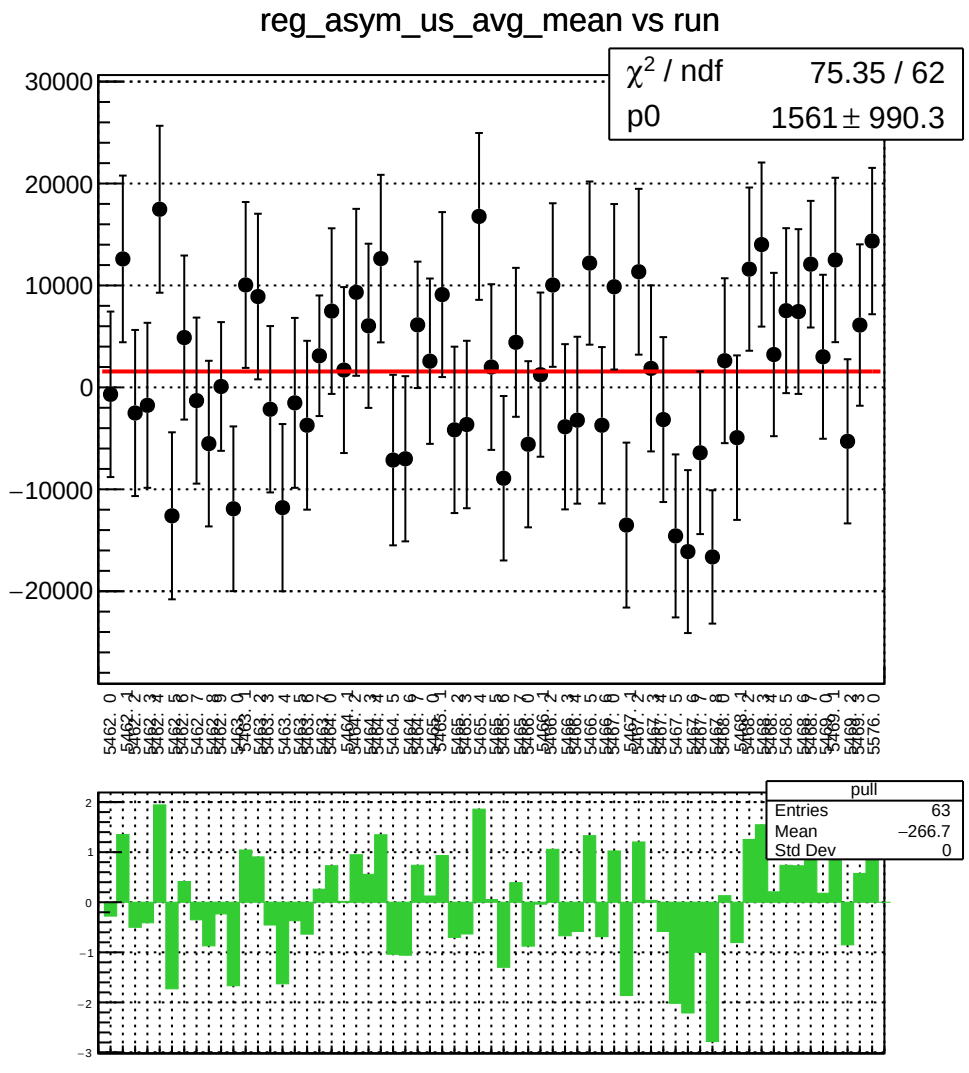
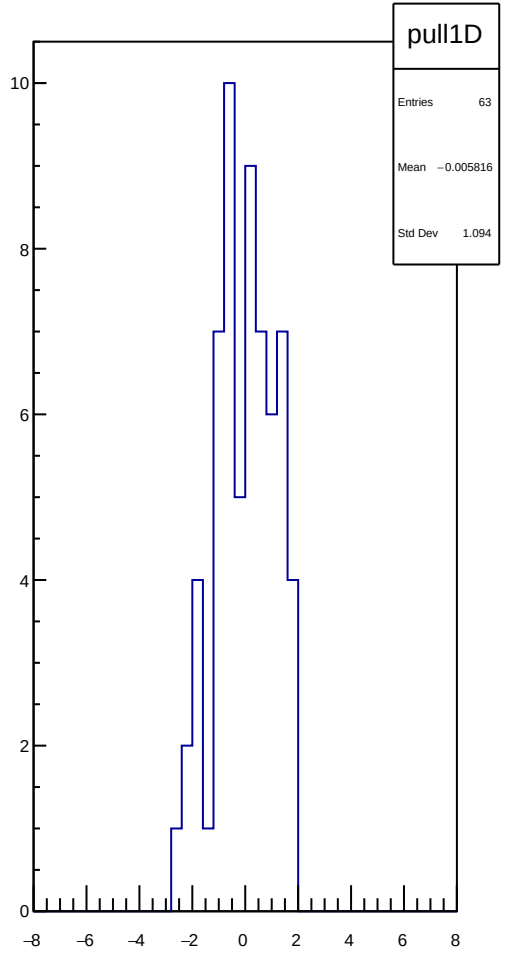
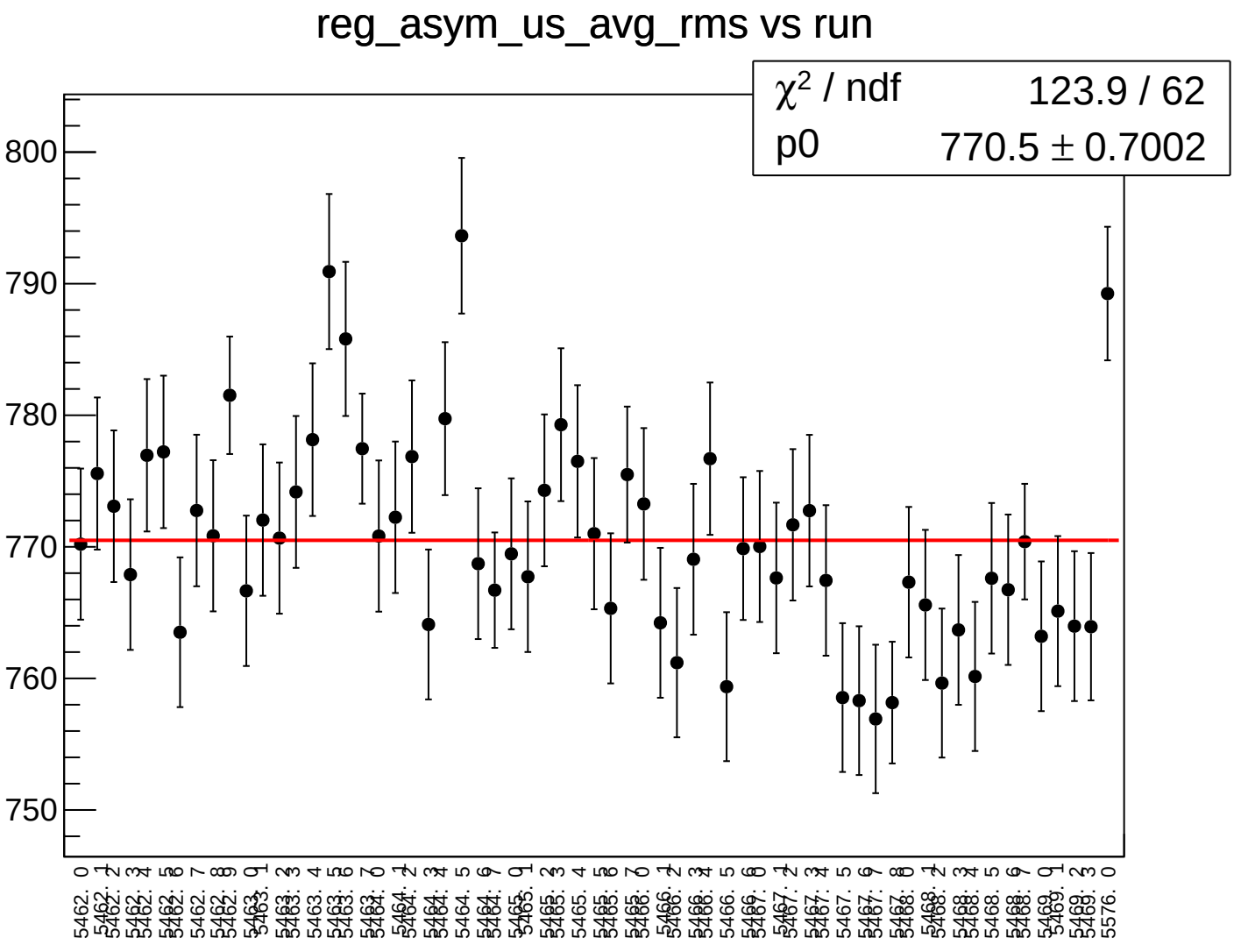
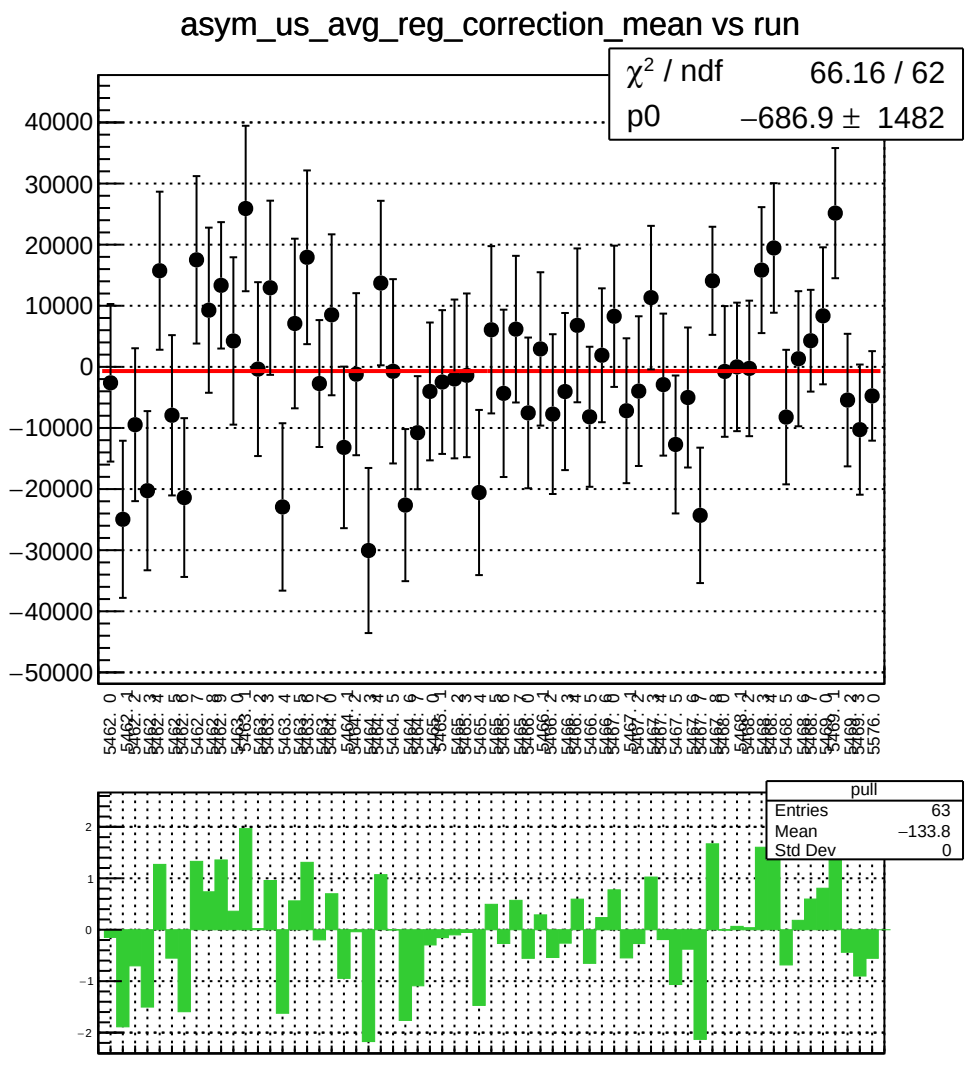
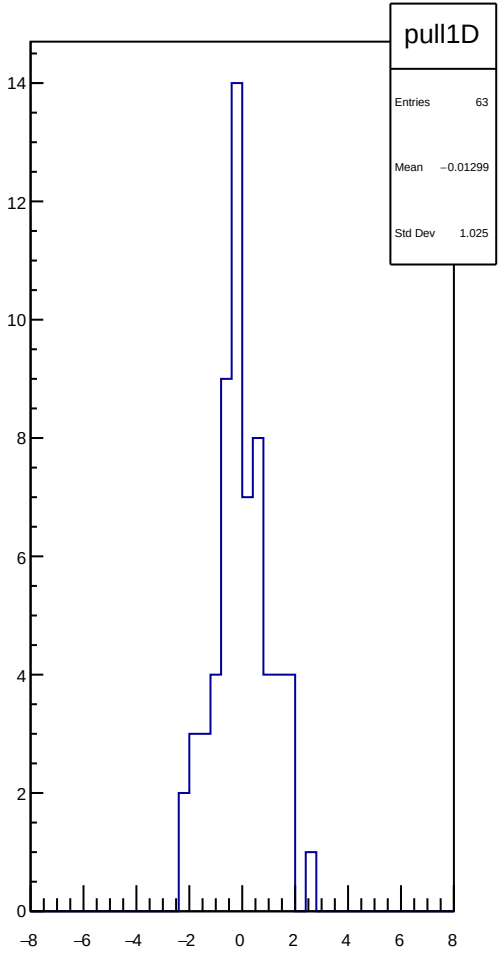
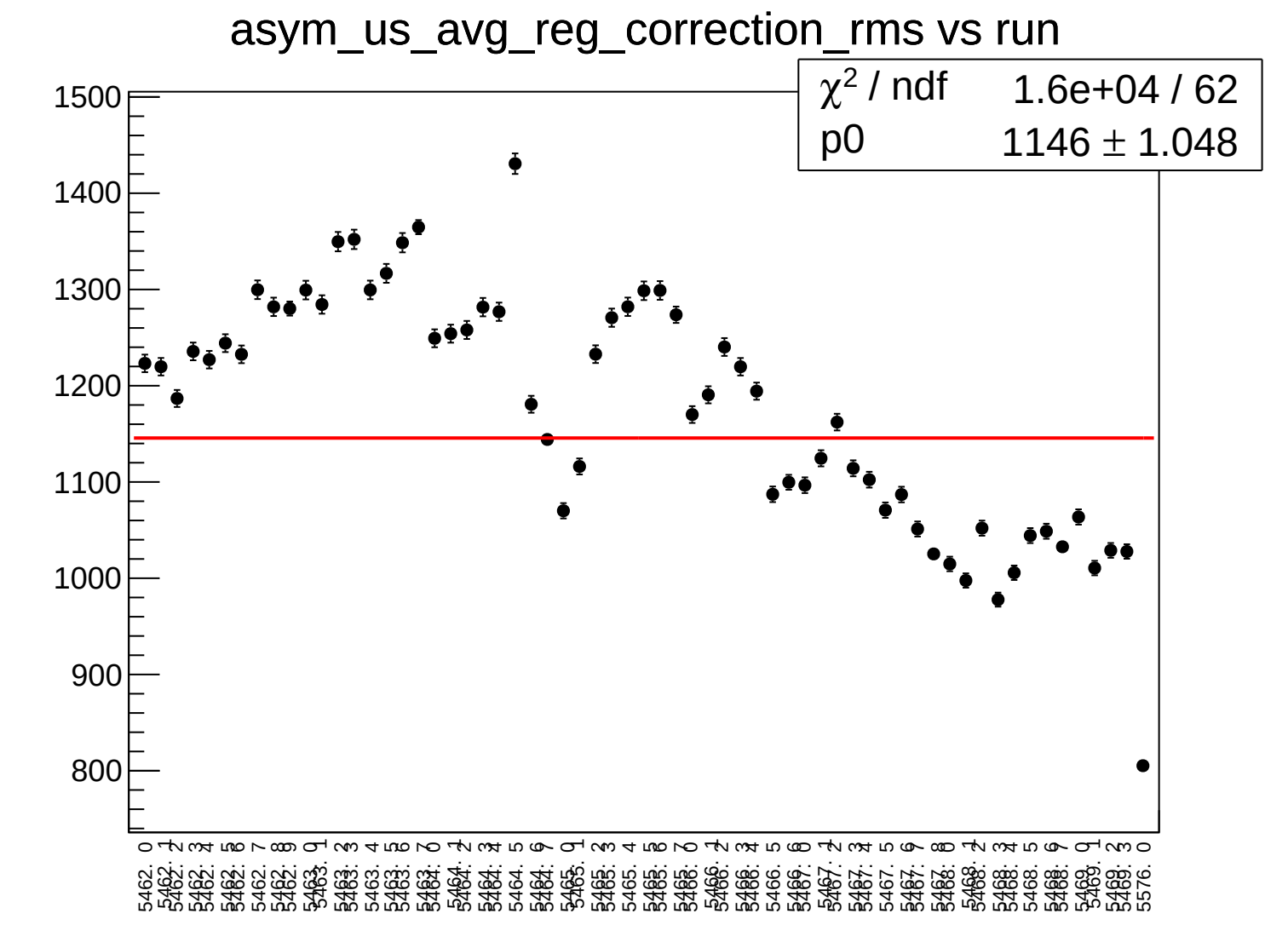

reg_asym_us_avg_mean vs run
χ² / ndf 75.35 / 62
p0 1561 ± 990.3
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −266.7
Std Dev 0
2
1
0
−1
−2
−3

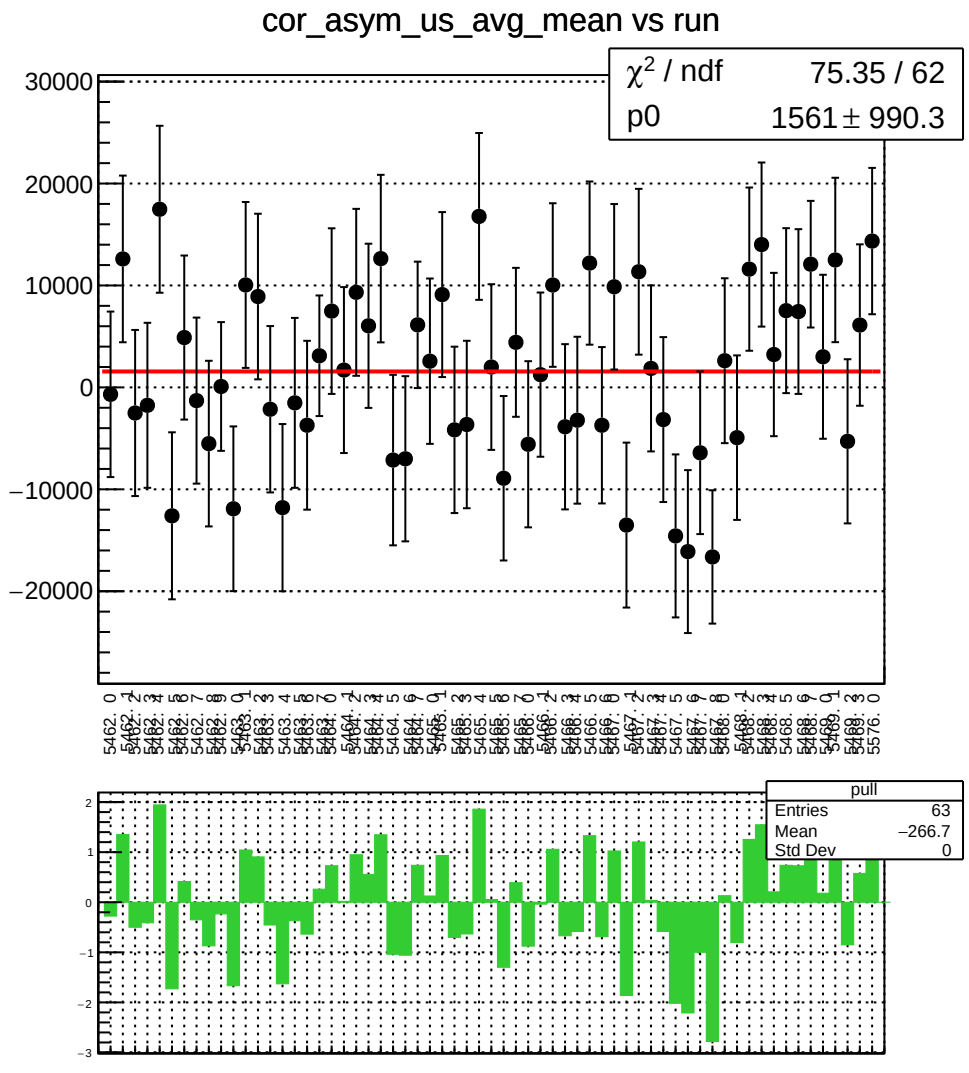

pull1D
Entries 63
Mean −0.005816
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

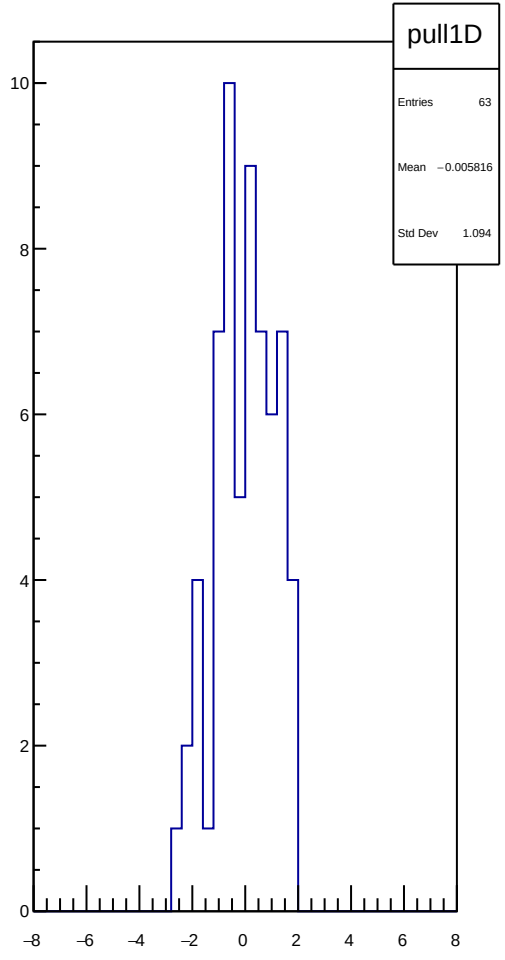

reg_asym_us_avg_rms vs run
χ^2 / ndf 123.9 / 62
p0 770.5 ± 0.7002
800
790
780
770
760
750

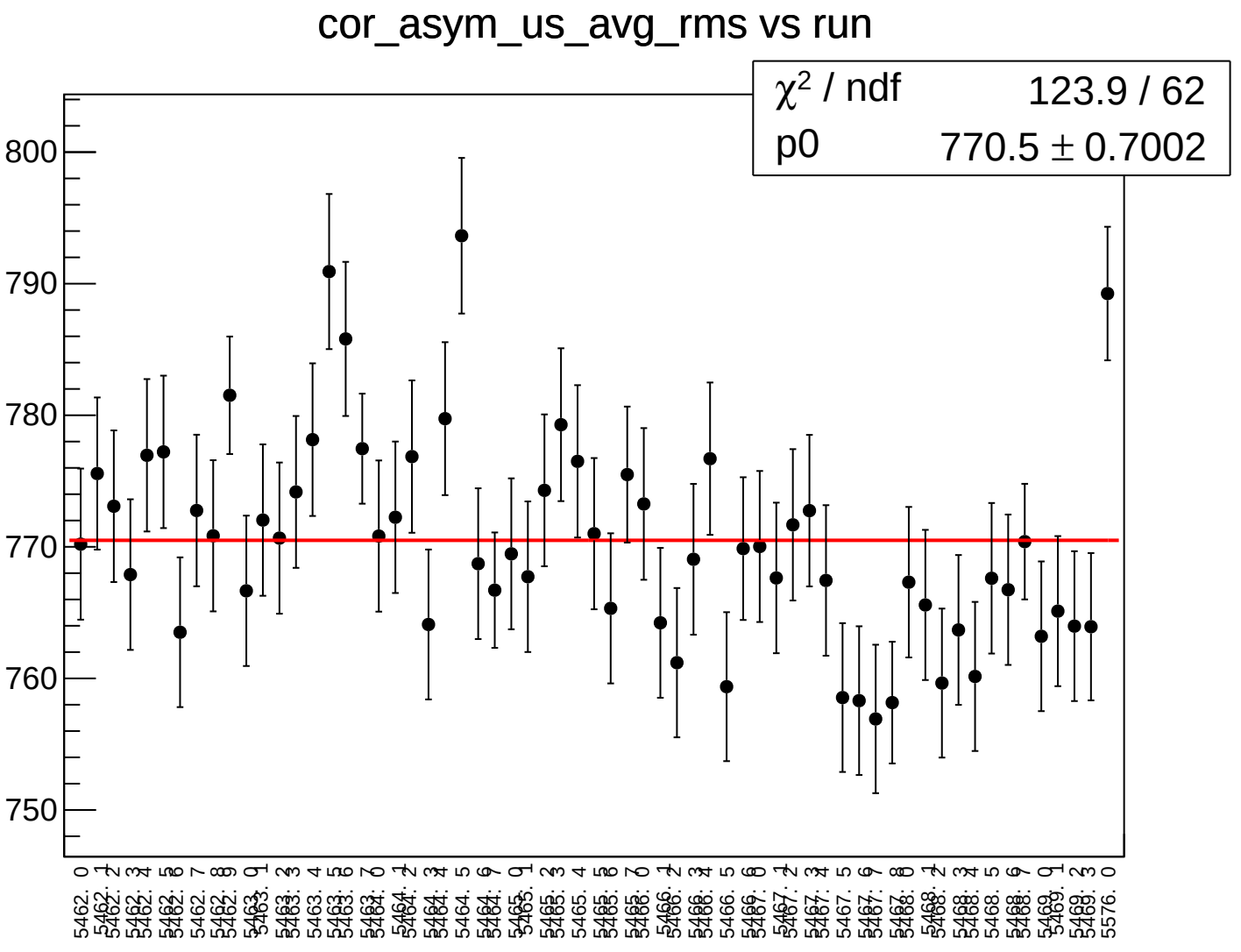

asym_us_avg_reg_correction_mean vs run
χ² / ndf 66.16 / 62
p0 −686.9 ± 1482
pull
Entries 63
Mean −133.8
Std Dev 0

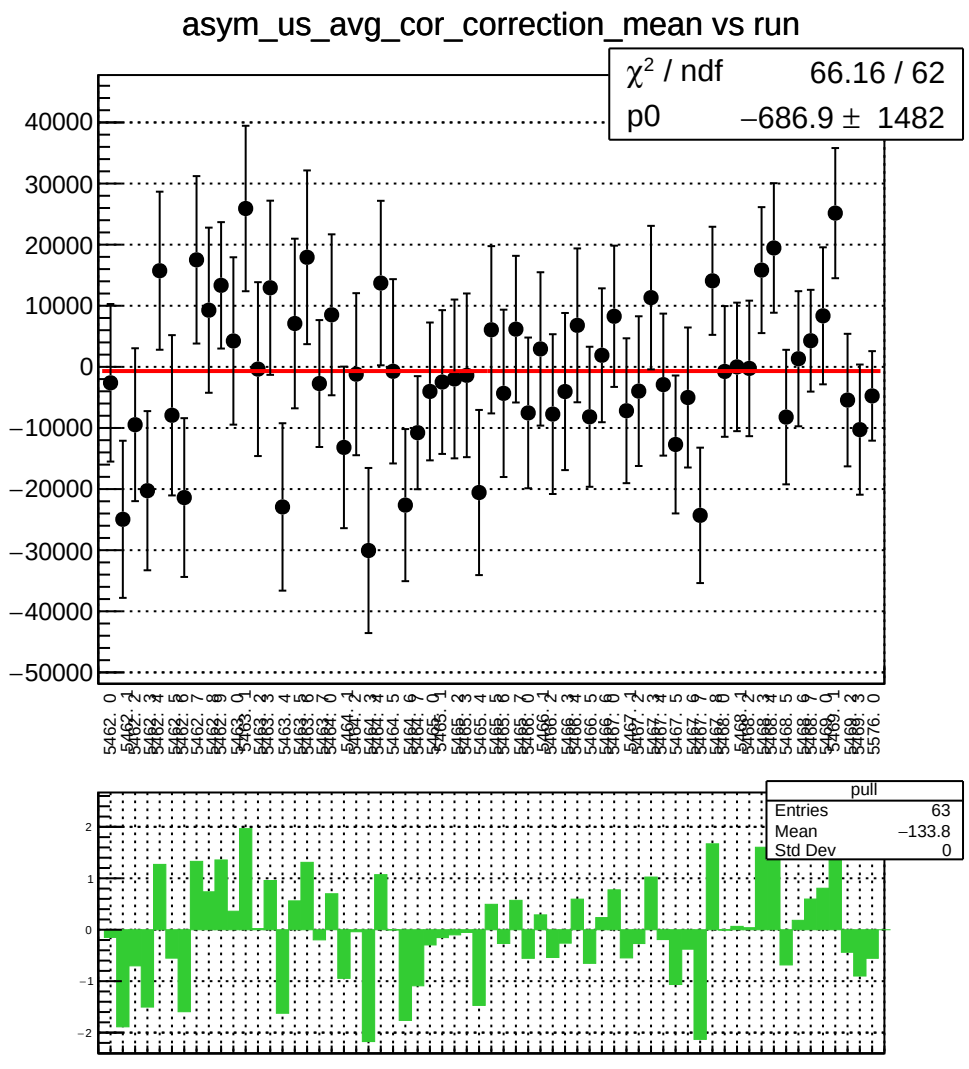

pull1D
Entries 63
Mean −0.01299
Std Dev 1.025

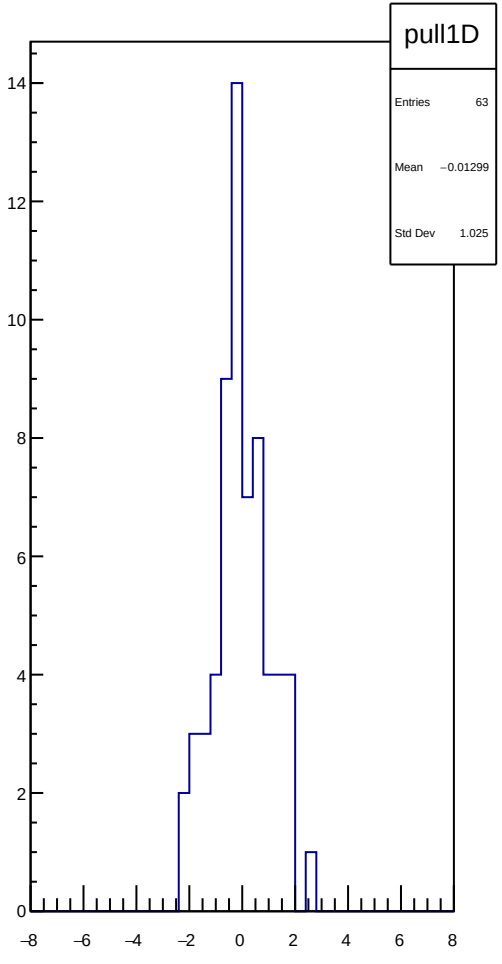

asym_us_avg_reg_correction_rms vs run
χ² / ndf 1.6e+04 / 62
p0 1146 ± 1.048
1500
1400
1300
1200
1100
1000
900
800

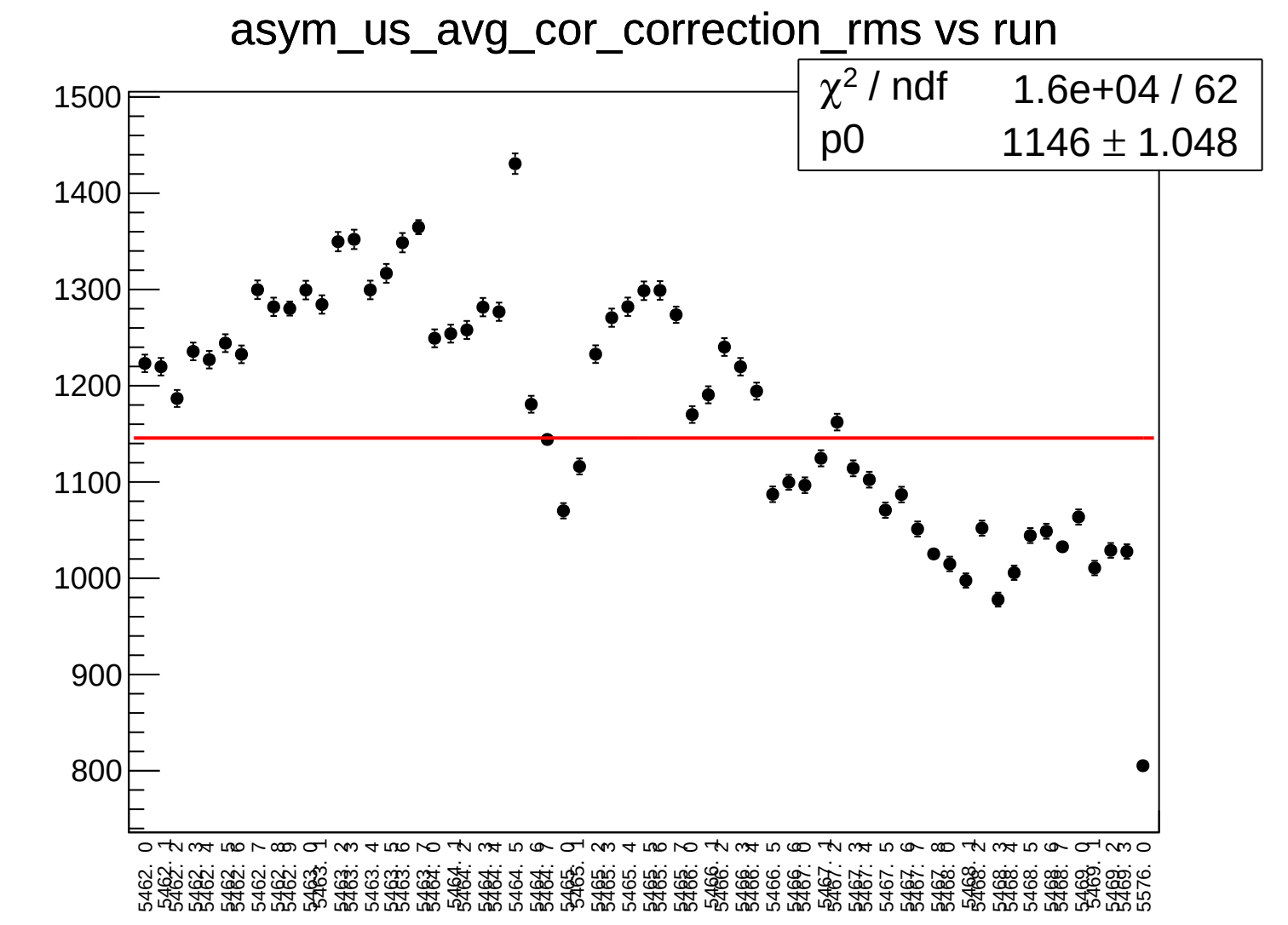

cor_asym_us_avg_mean vs run
χ² / ndf 75.35 / 62
p0 1561 ± 990.3
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −266.7
Std Dev 0
2
1
0
−1
−2
−3

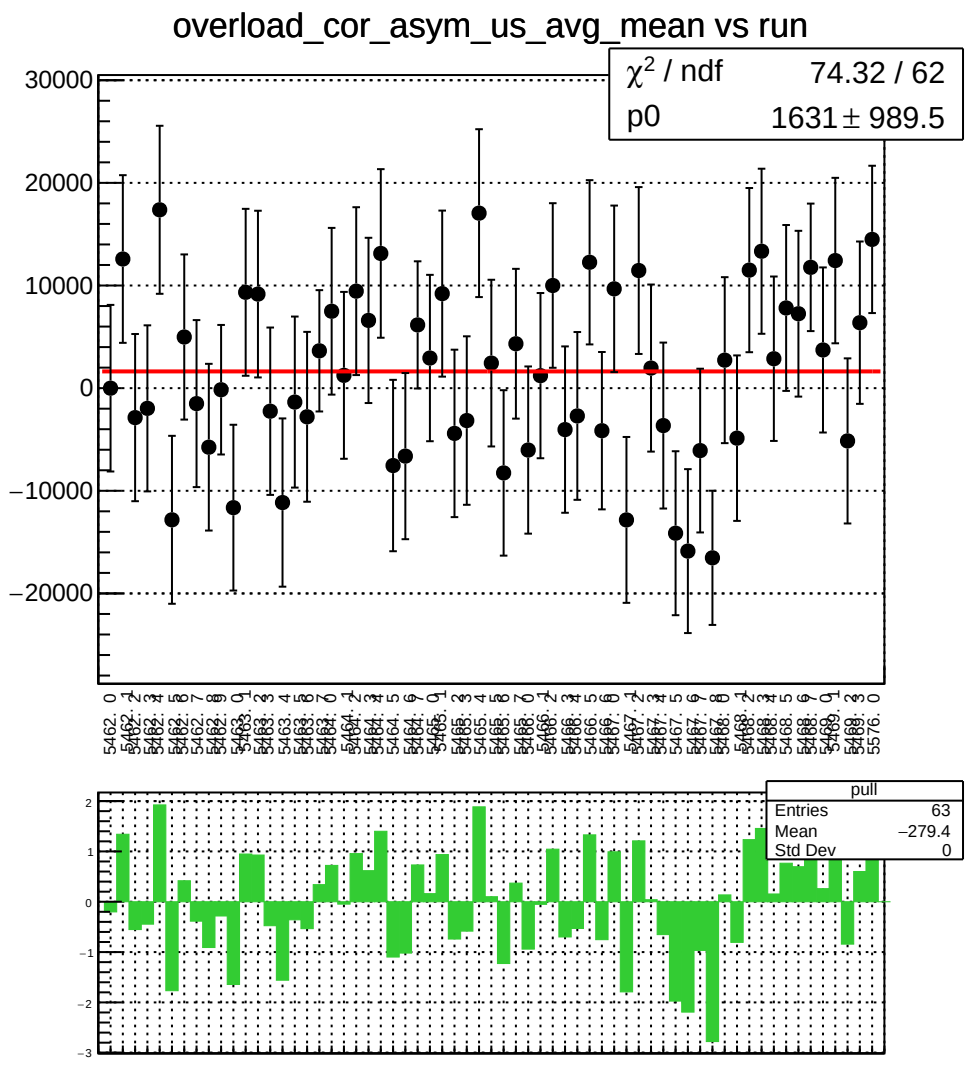

pull1D
Entries 63
Mean −0.005816
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

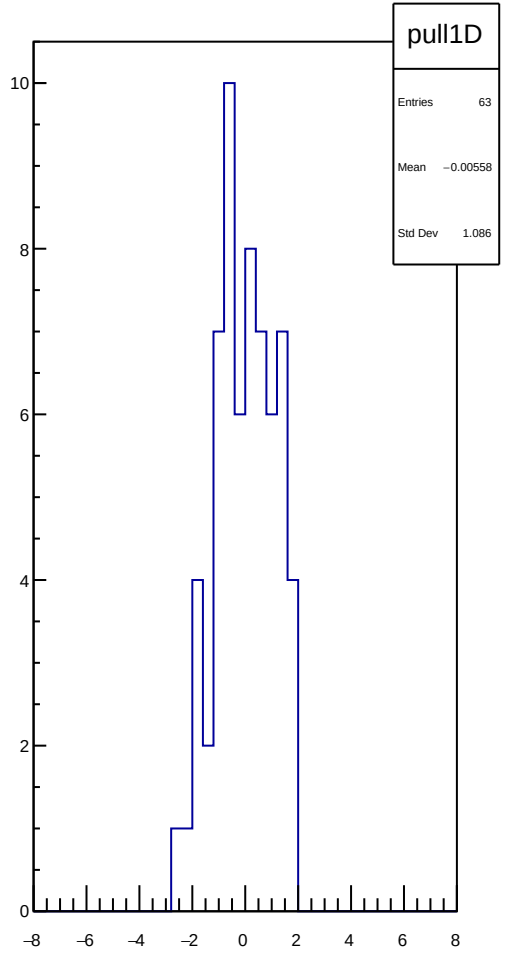

cor_asym_us_avg_rms vs run
χ² / ndf 123.9 / 62
p0 770.5 ± 0.7002
800
790
780
770
760
750

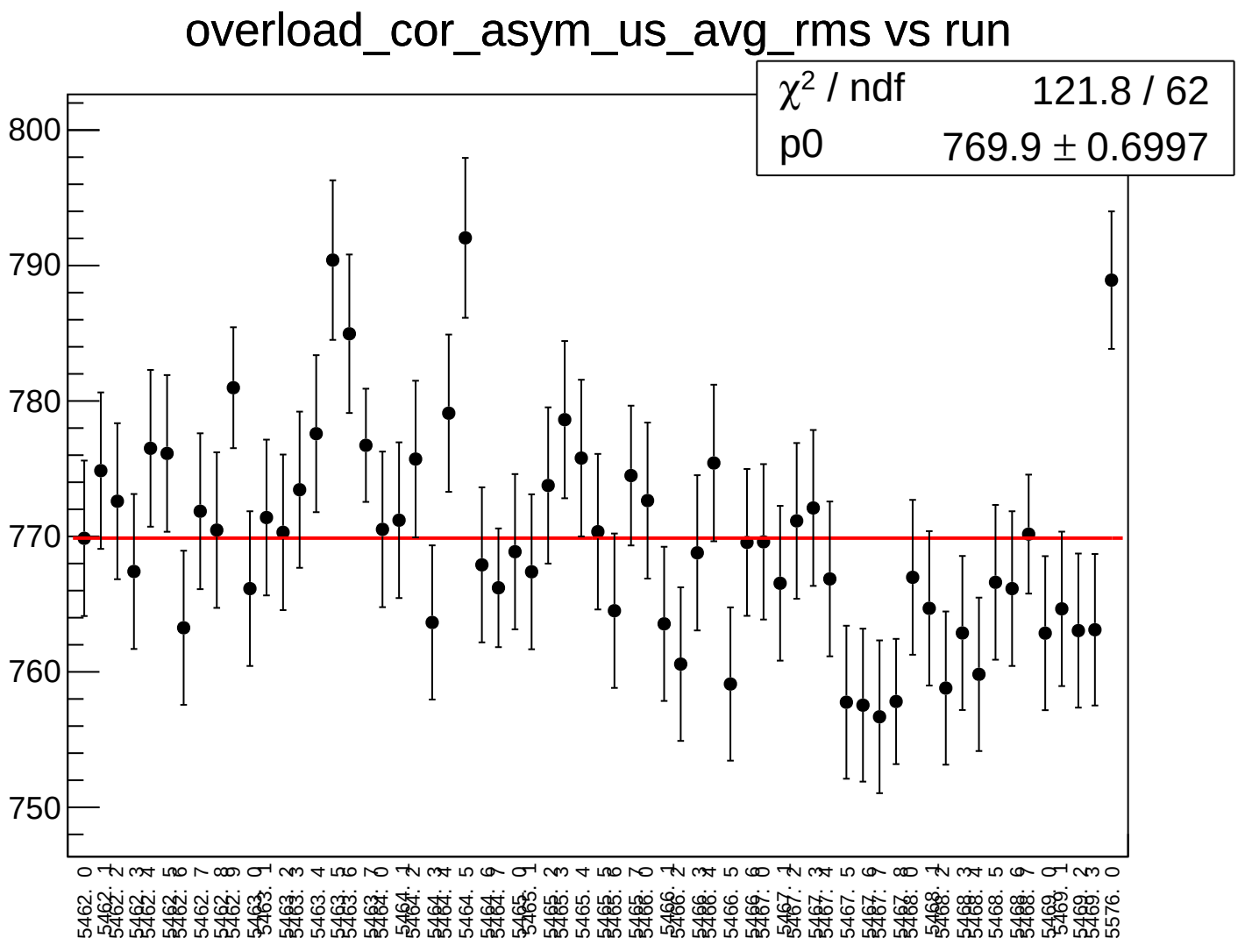

asym_us_avg_cor_correction_mean vs run
χ² / ndf 66.16 / 62
p0 −686.9 ± 1482
pull
Entries 63
Mean −133.8
Std Dev 0

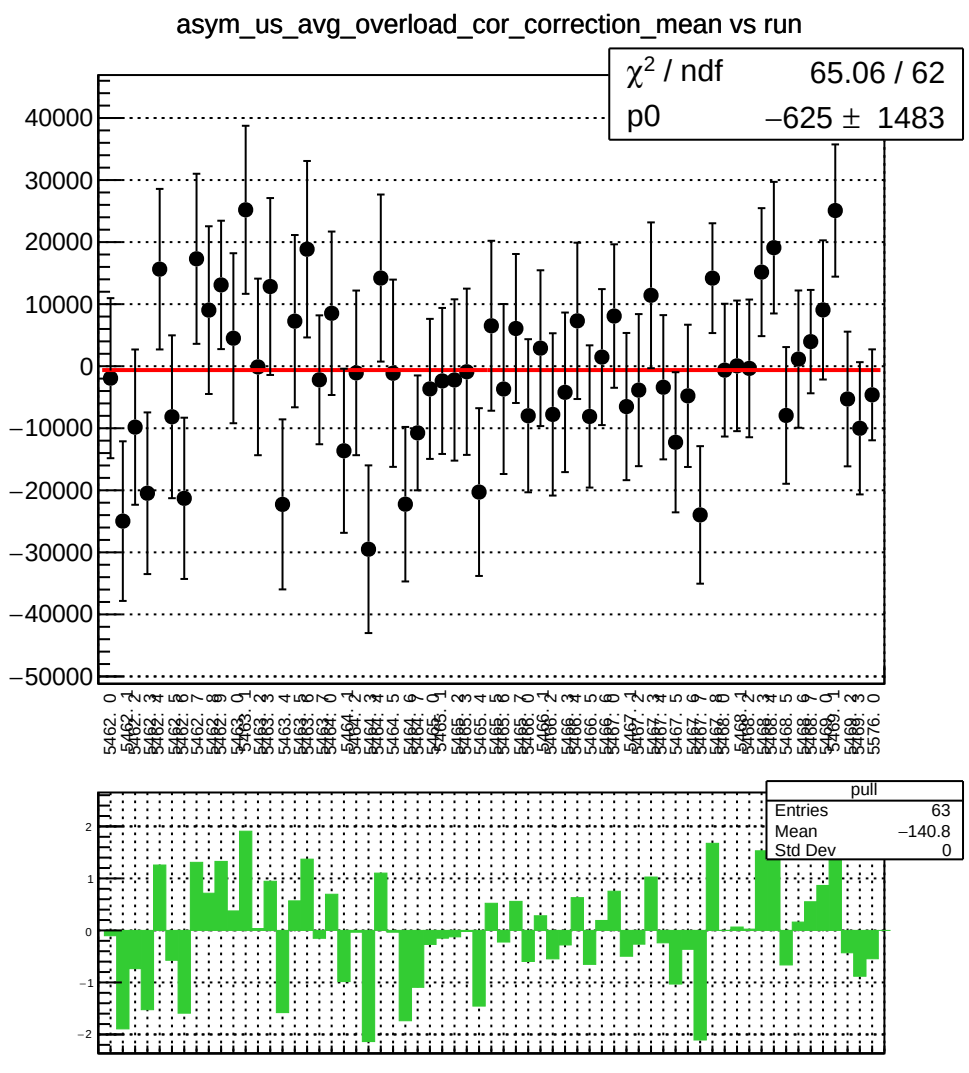

pull1D
Entries 63
Mean −0.01299
Std Dev 1.025

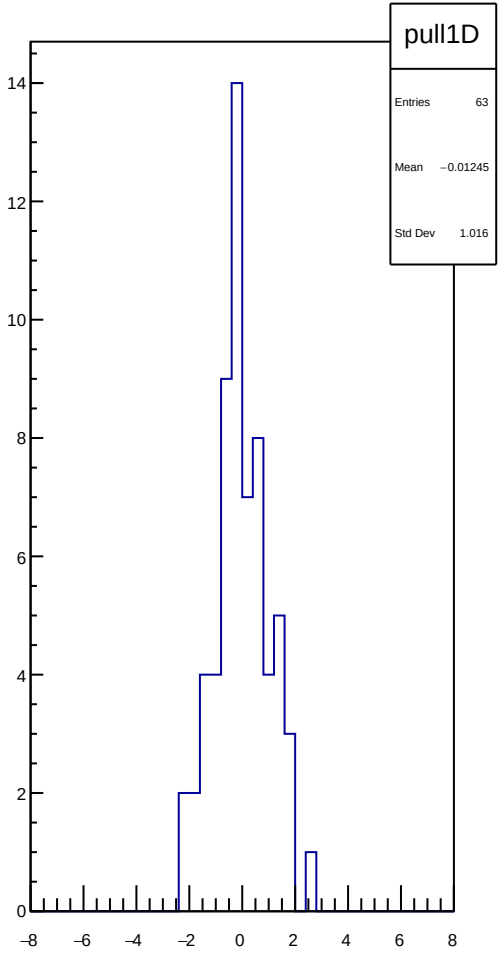

asym_us_avg_cor_correction_rms vs run
χ² / ndf 1.6e+04 / 62
p0 1146 ± 1.048
1500
1400
1300
1200
1100
1000
900
800

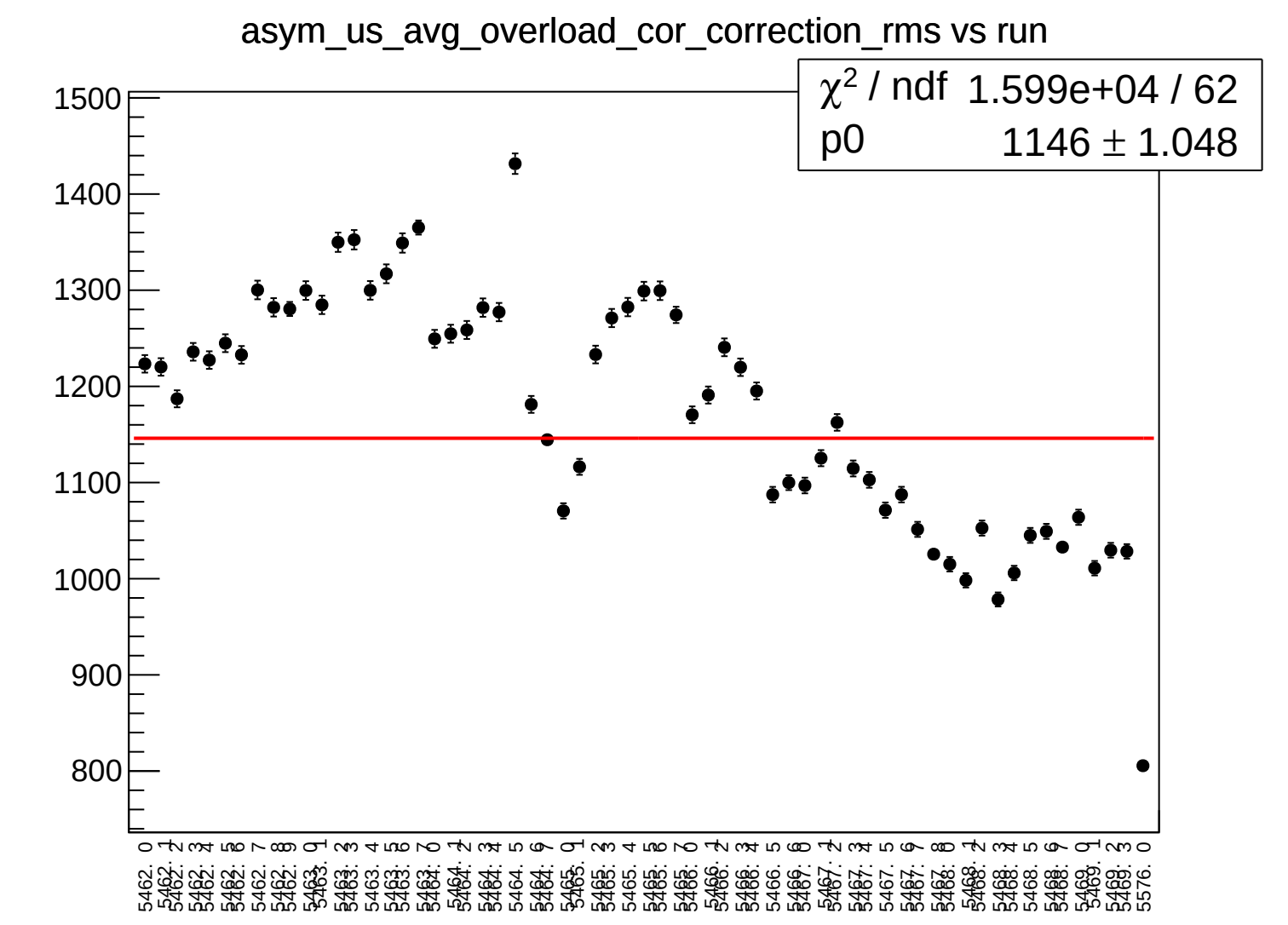

overload_cor_asym_us_avg_mean vs run
χ² / ndf 74.32 / 62
p0 1631 ± 989.5
pull
Entries 63
Mean −279.4
Std Dev 0

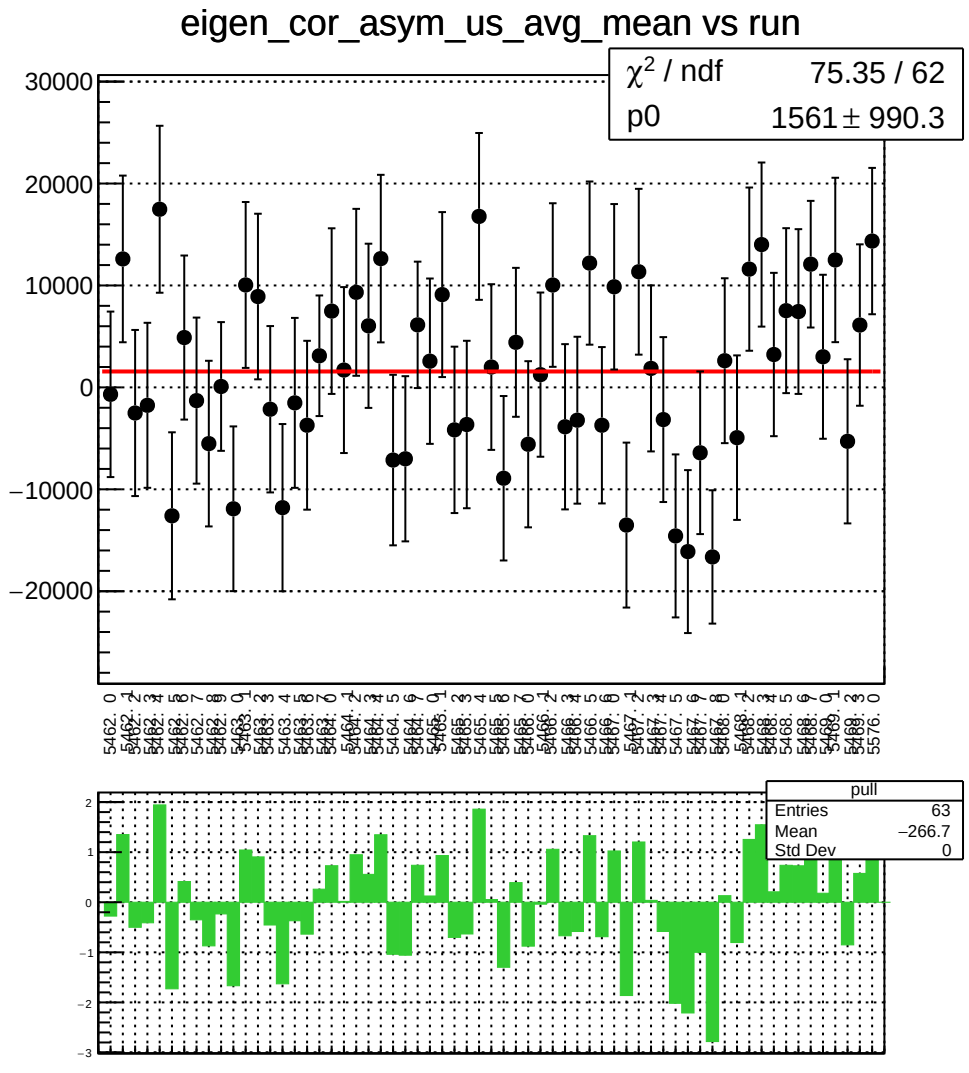

pull1D
Entries 63
Mean −0.00558
Std Dev 1.086

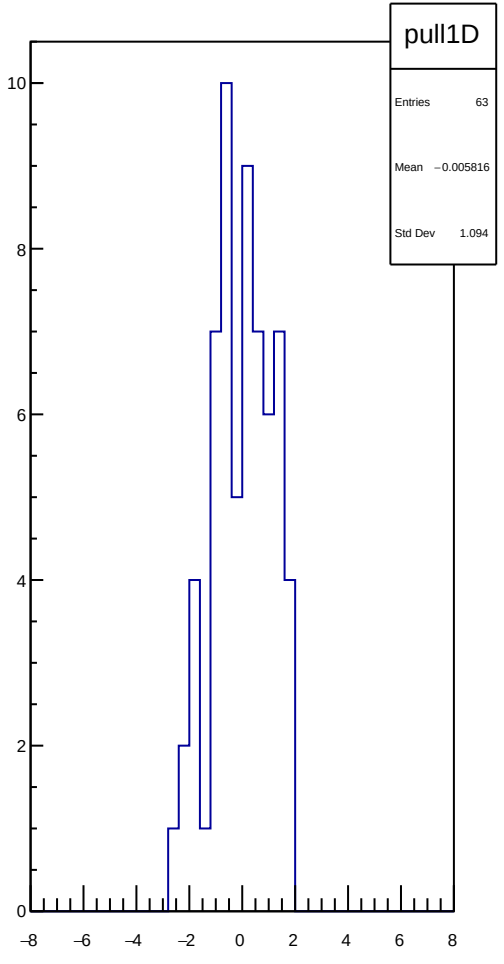

overload_cor_asym_us_avg_rms vs run
χ² / ndf 121.8 / 62
p0 769.9 ± 0.6997
800
790
780
770
760
750
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

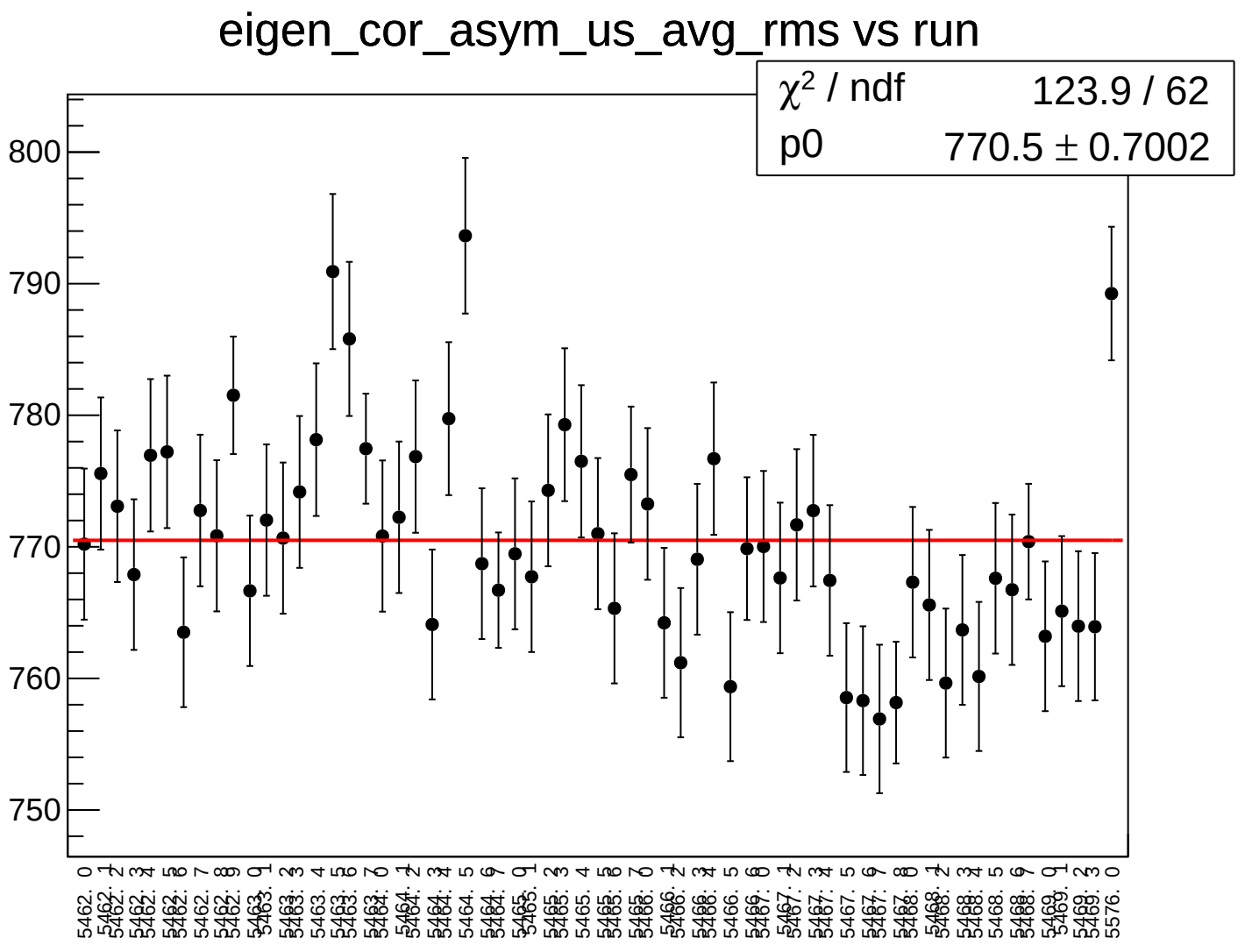

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 65.06 / 62
p0 −625 ± 1483
pull
Entries 63
Mean −140.8
Std Dev 0

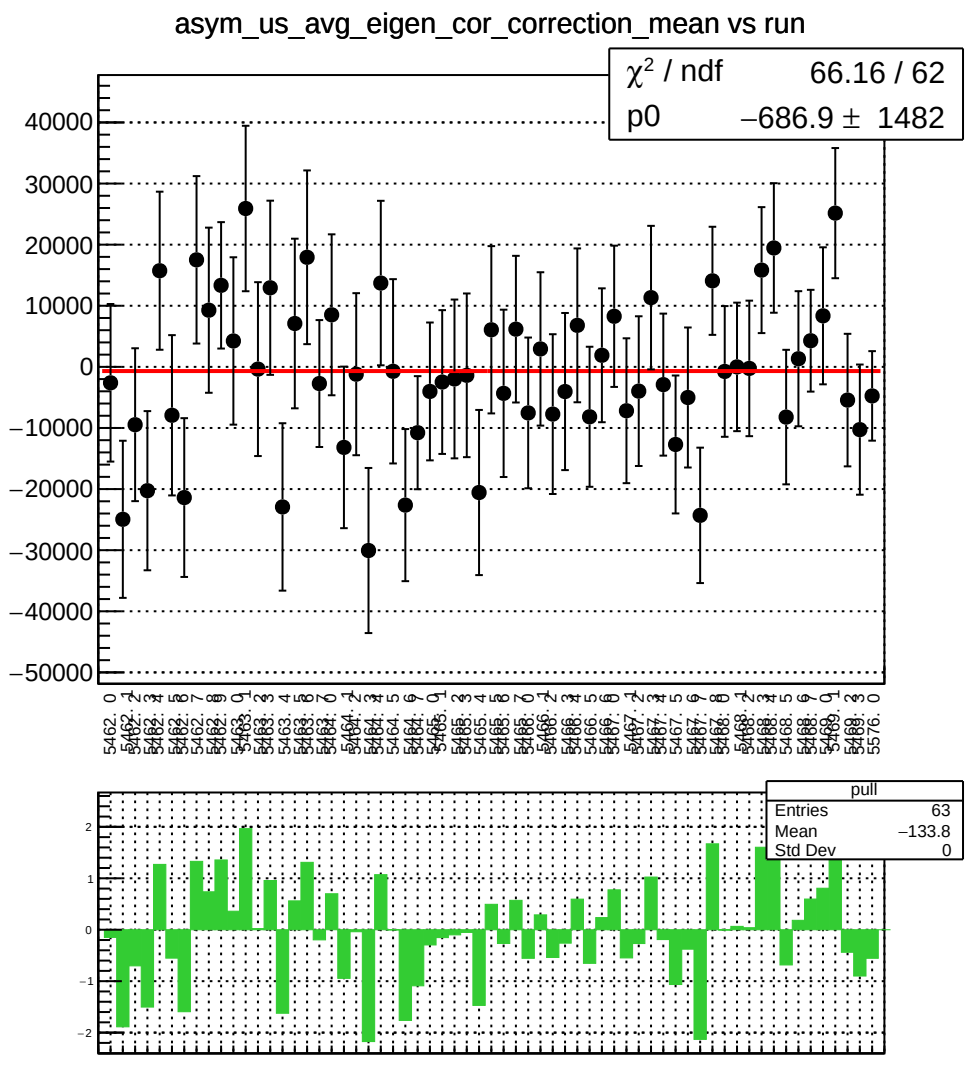

pull1D
Entries 63
Mean −0.01245
Std Dev 1.016

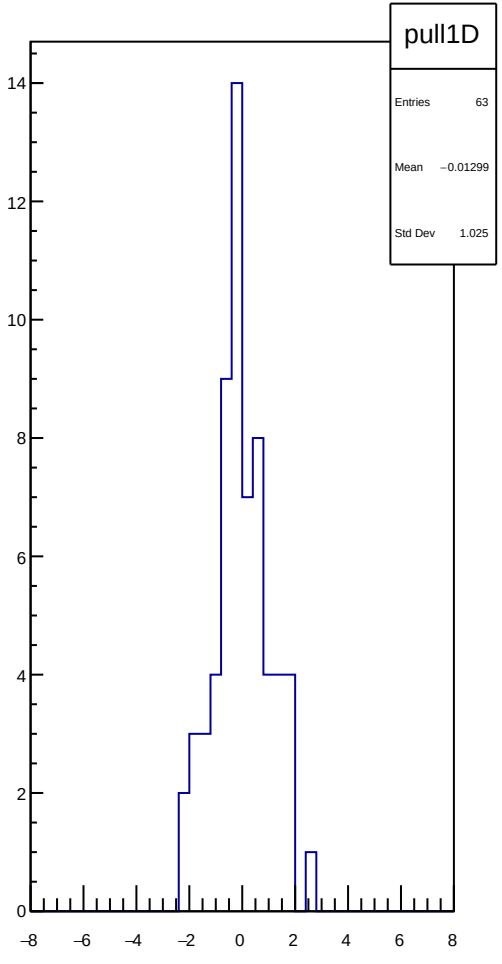

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 1.599e+04 / 62
p0 1146 ± 1.048
1500
1400
1300
1200
1100
1000
900
800

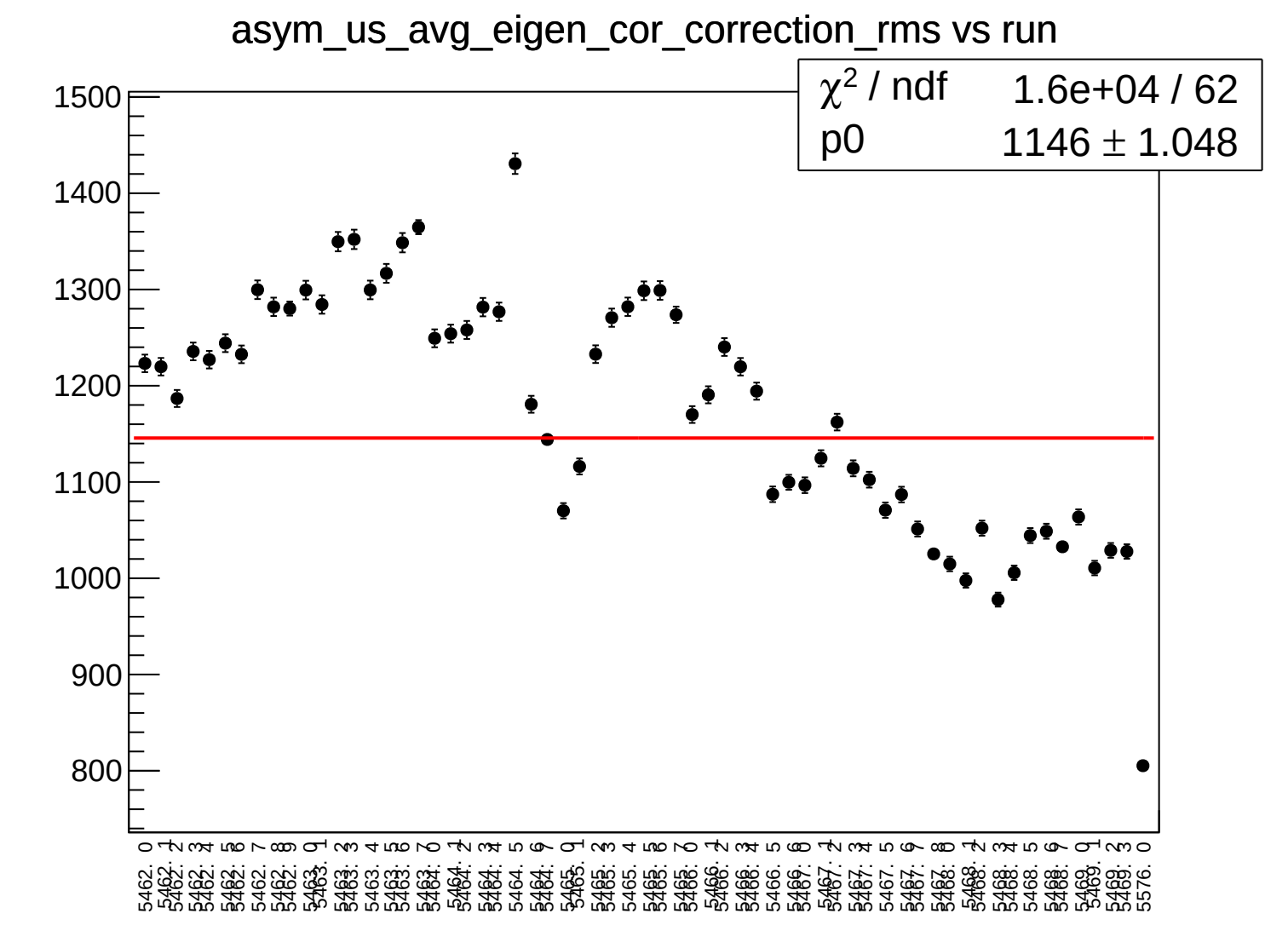

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 75.35 / 62
p0 1561 ± 990.3
pull
Entries 63
Mean −266.7
Std Dev 0

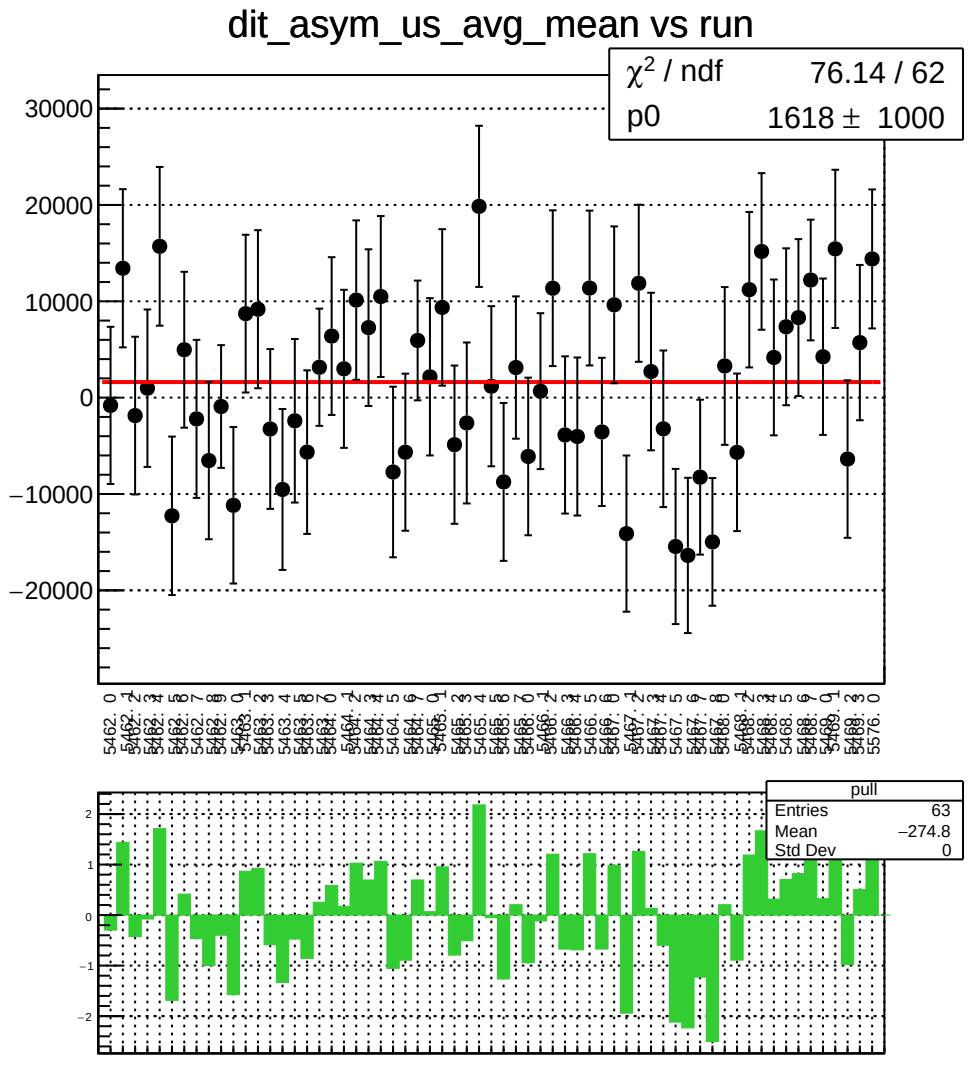

pull1D
Entries 63
Mean −0.005816
Std Dev 1.094

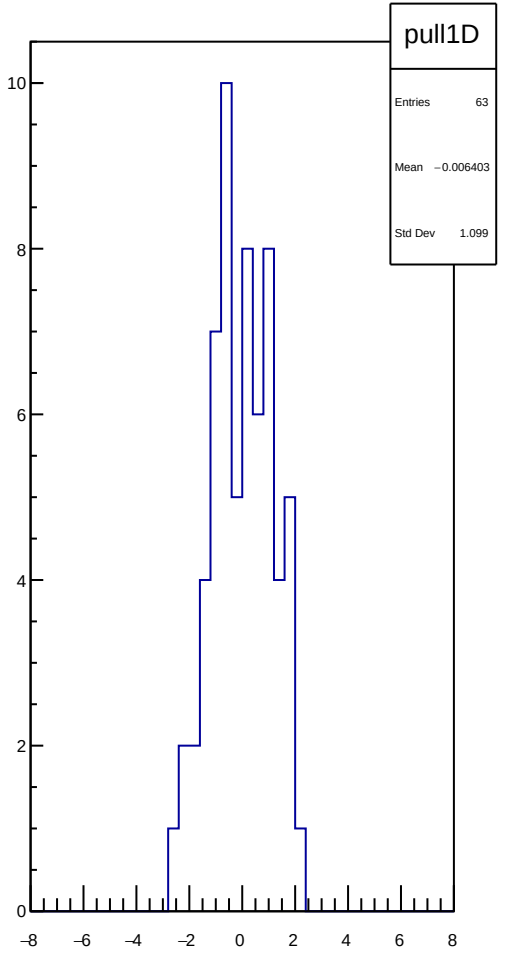

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 123.9 / 62
p0 770.5 ± 0.7002
800
790
780
770
760
750

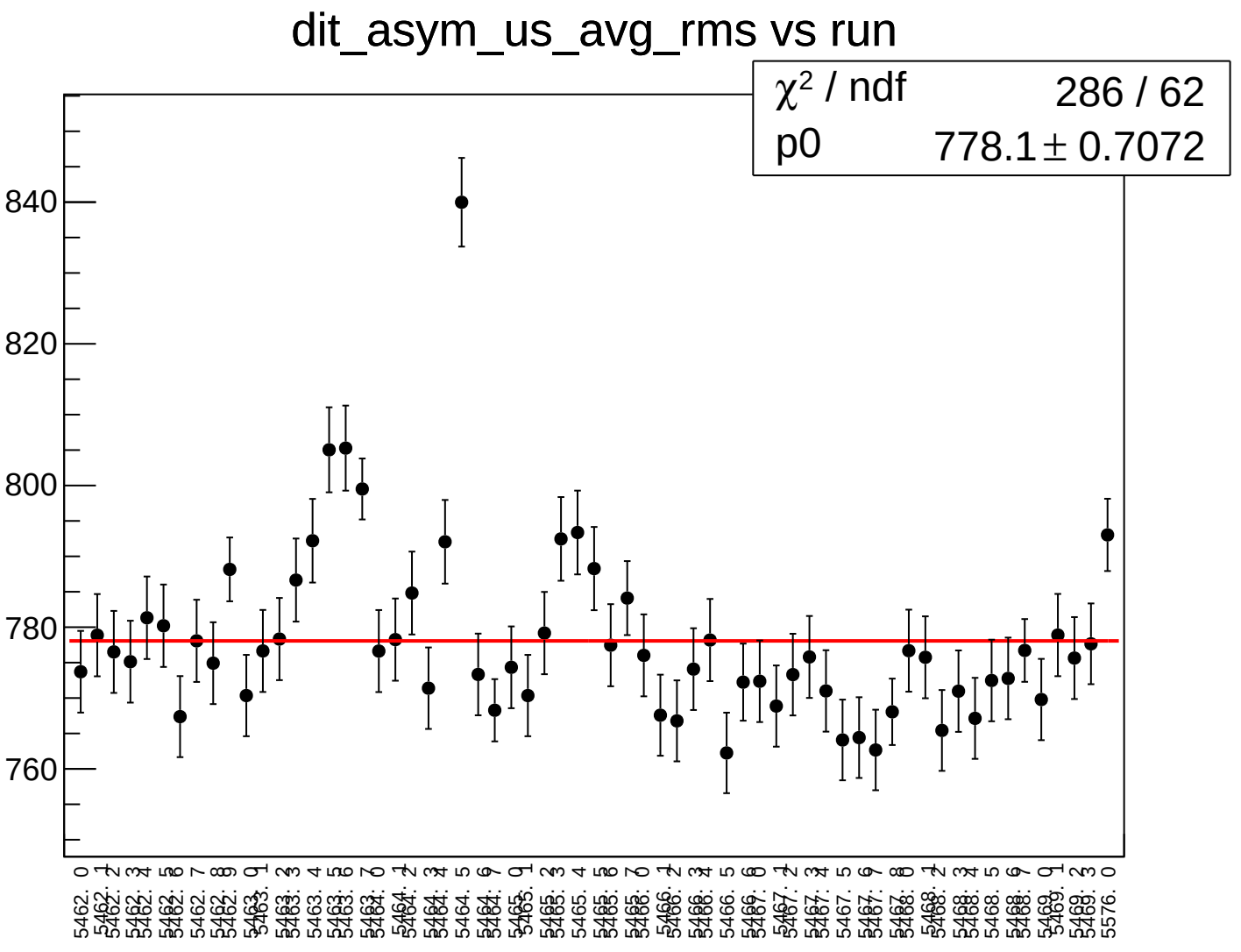

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.16 / 62
p0 −686.9 ± 1482
pull
Entries 63
Mean −133.8
Std Dev 0

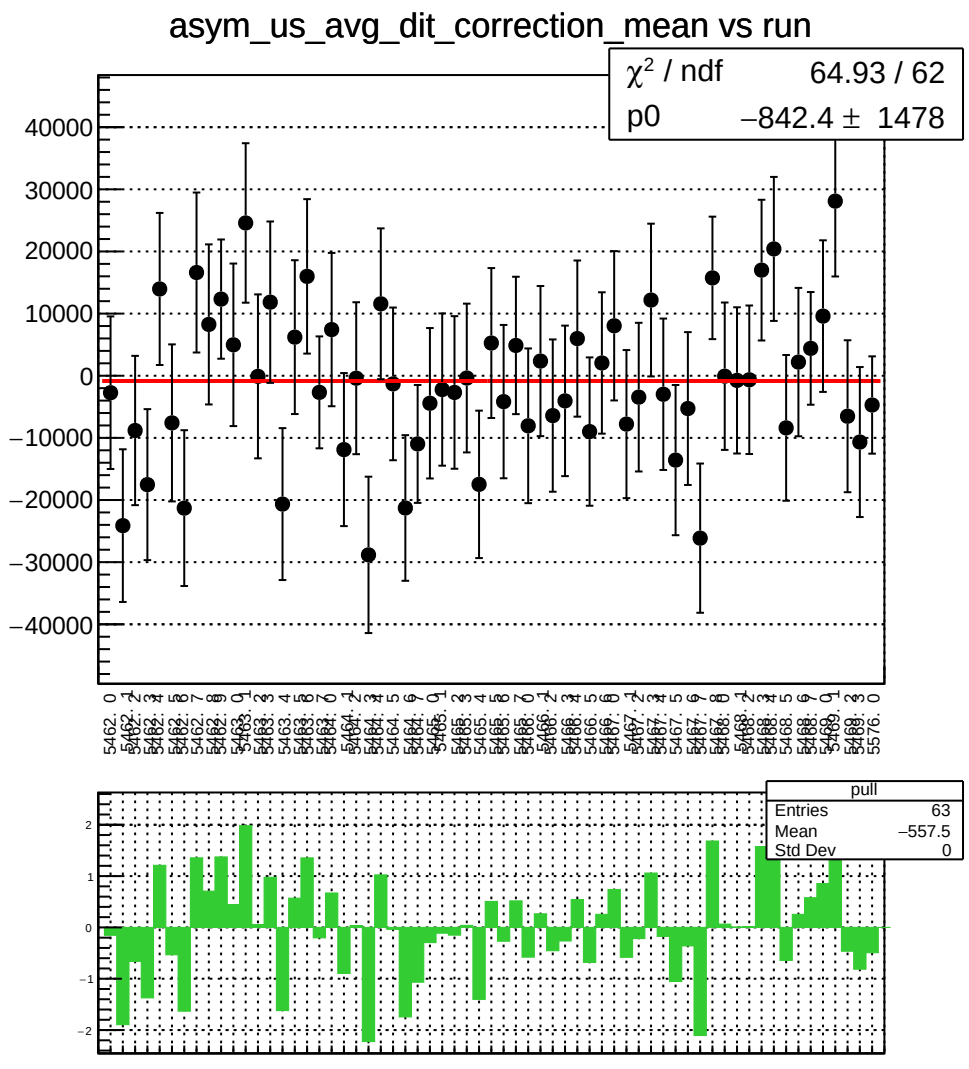

pull1D
Entries 63
Mean −0.01299
Std Dev 1.025

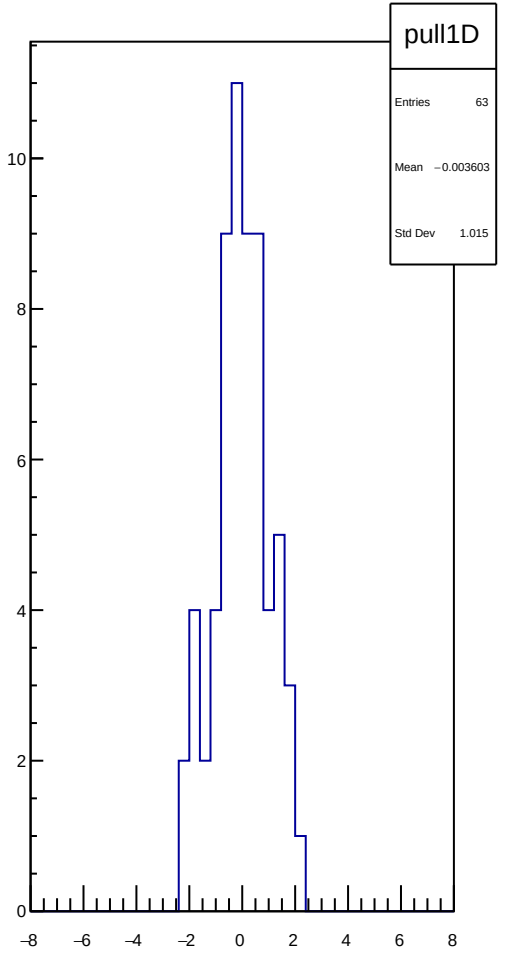

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.6e+04 / 62
p0 1146 ± 1.048
1500
1400
1300
1200
1100
1000
900
800

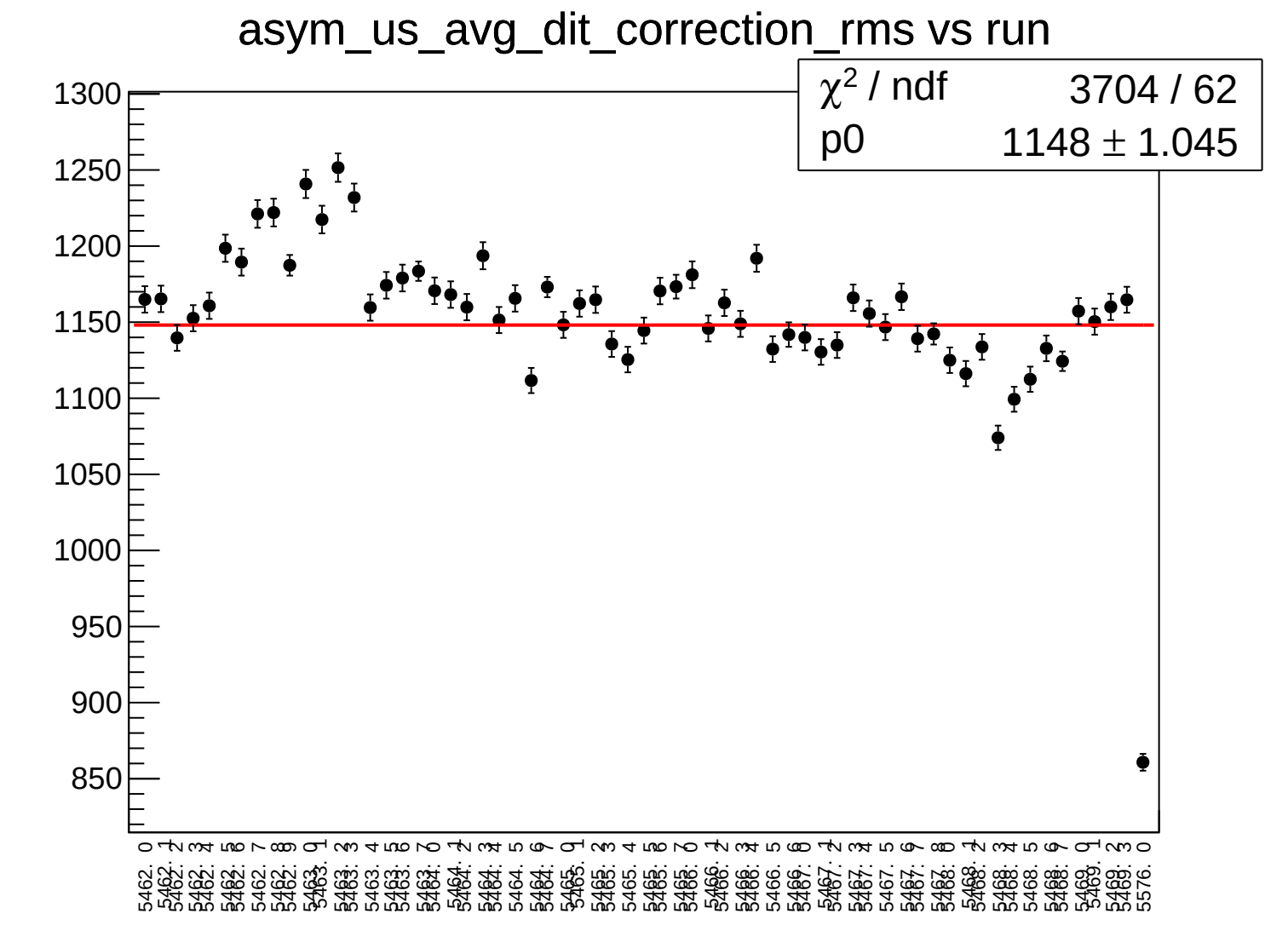

dit_asym_us_avg_mean vs run
χ² / ndf 76.14 / 62
p0 1618 ± 1000
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −274.8
Std Dev 0
2
1
0
−1
−2

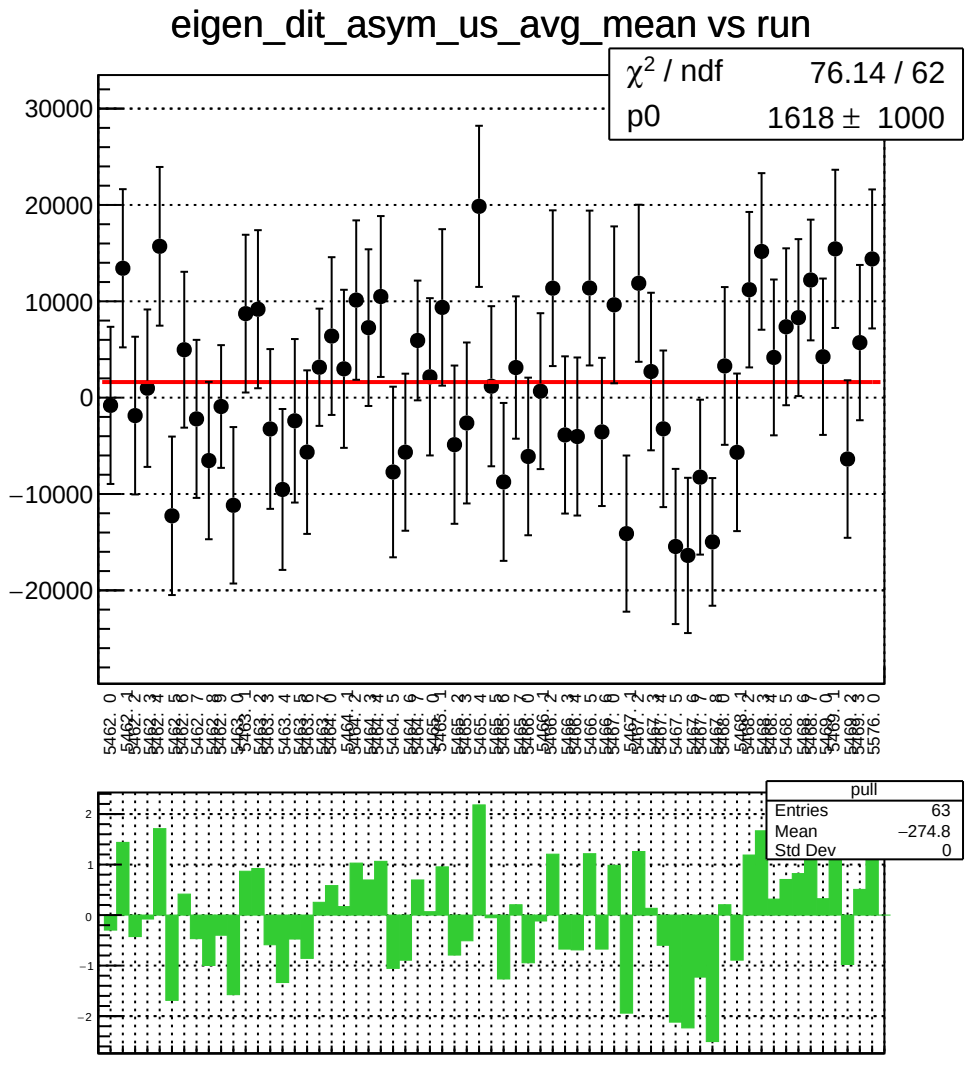

pull1D
Entries 63
Mean −0.006403
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

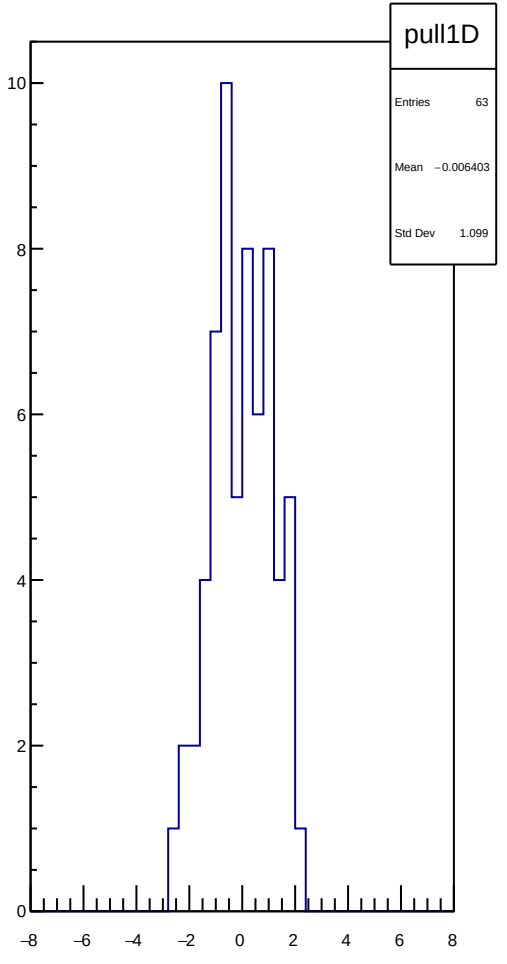

dit_asym_us_avg_rms vs run
χ² / ndf 286 / 62
p0 778.1 ± 0.7072
840
820
800
780
760

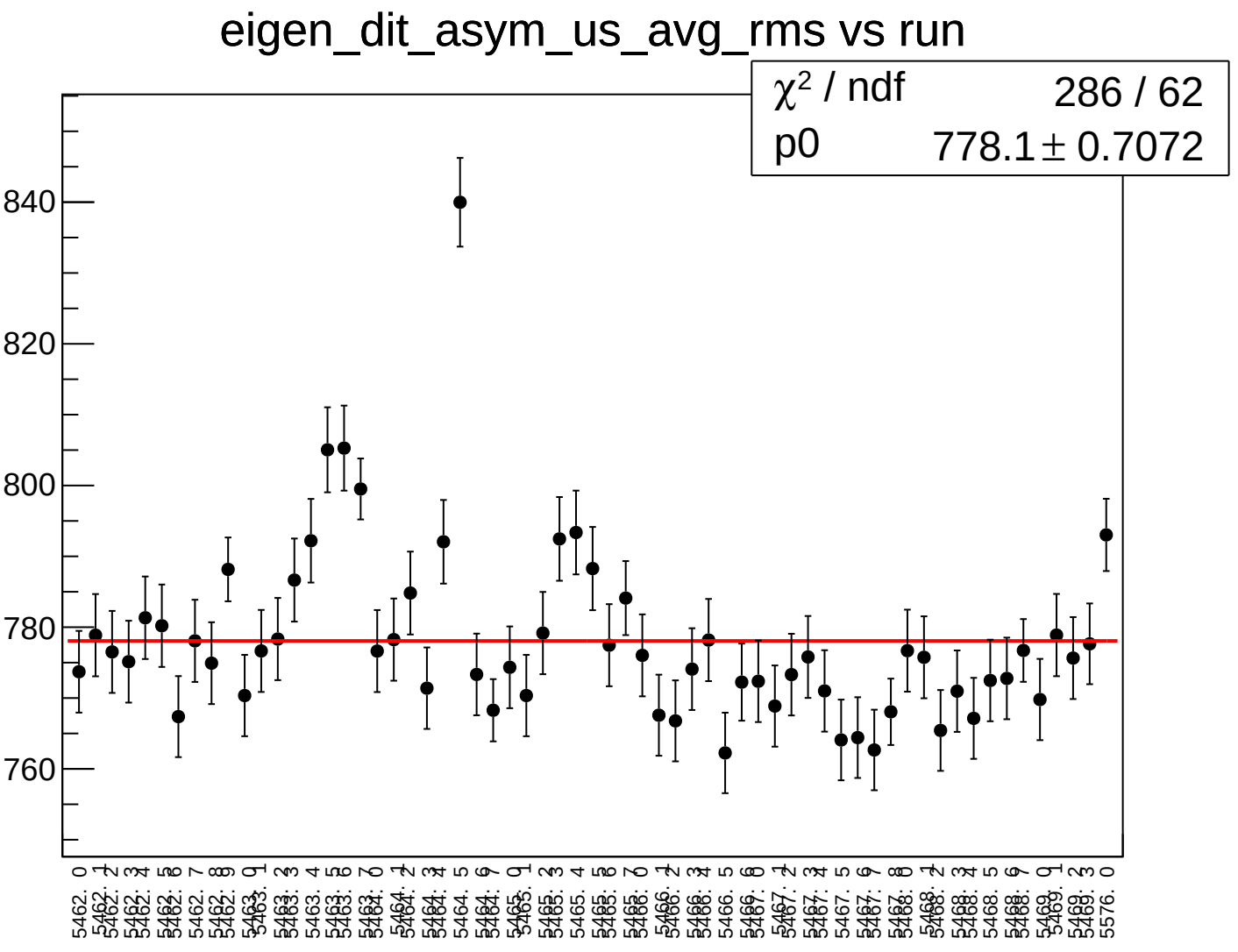

asym_us_avg_dit_correction_mean vs run
χ² / ndf 64.93 / 62
p0 −842.4 ± 1478
pull
Entries 63
Mean −557.5
Std Dev 0

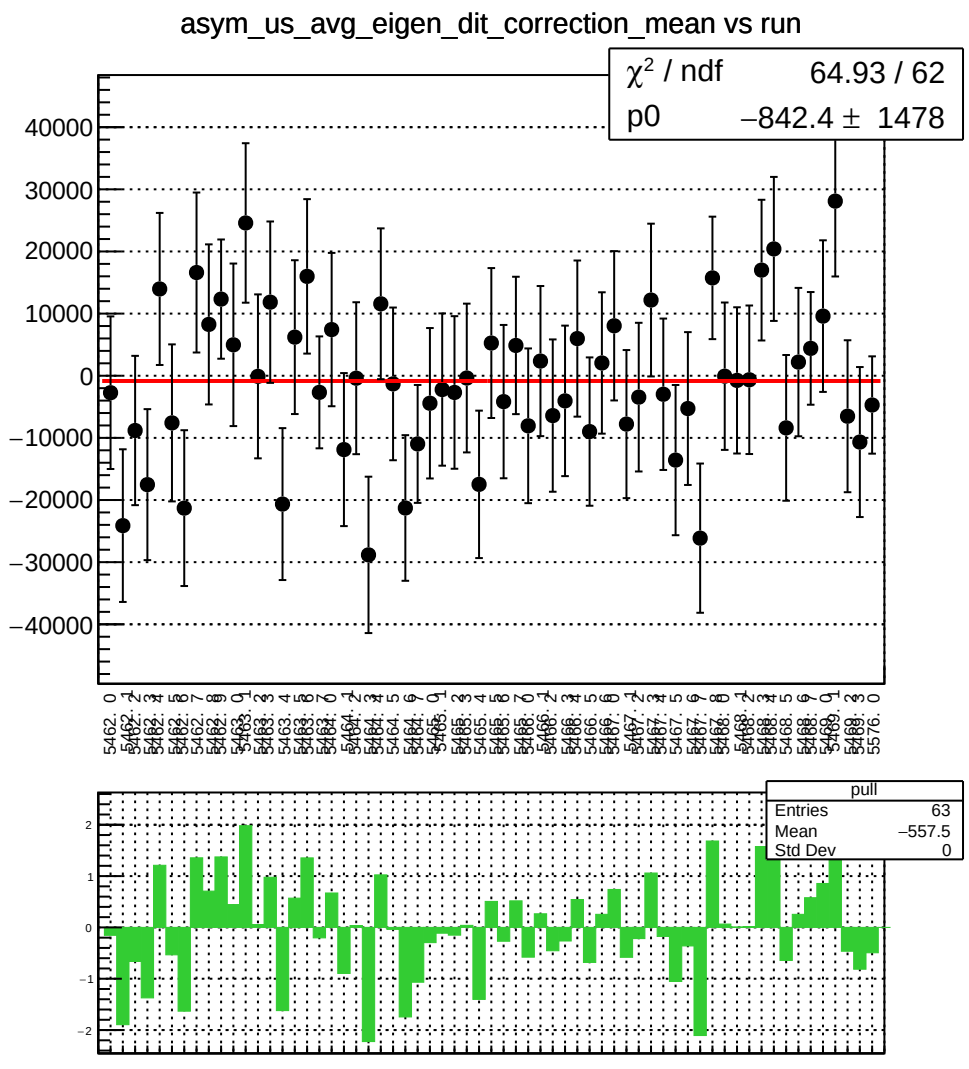

pull1D
Entries 63
Mean −0.003603
Std Dev 1.015

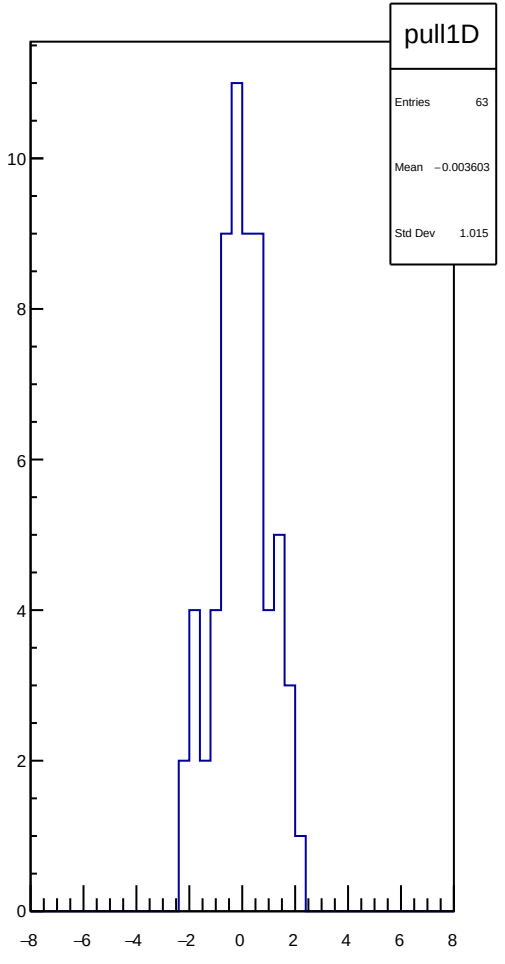

asym_us_avg_dit_correction_rms vs run
χ² / ndf 3704 / 62
p0 1148 ± 1.045
1300
1250
1200
1150
1100
1050
1000
950
900
850

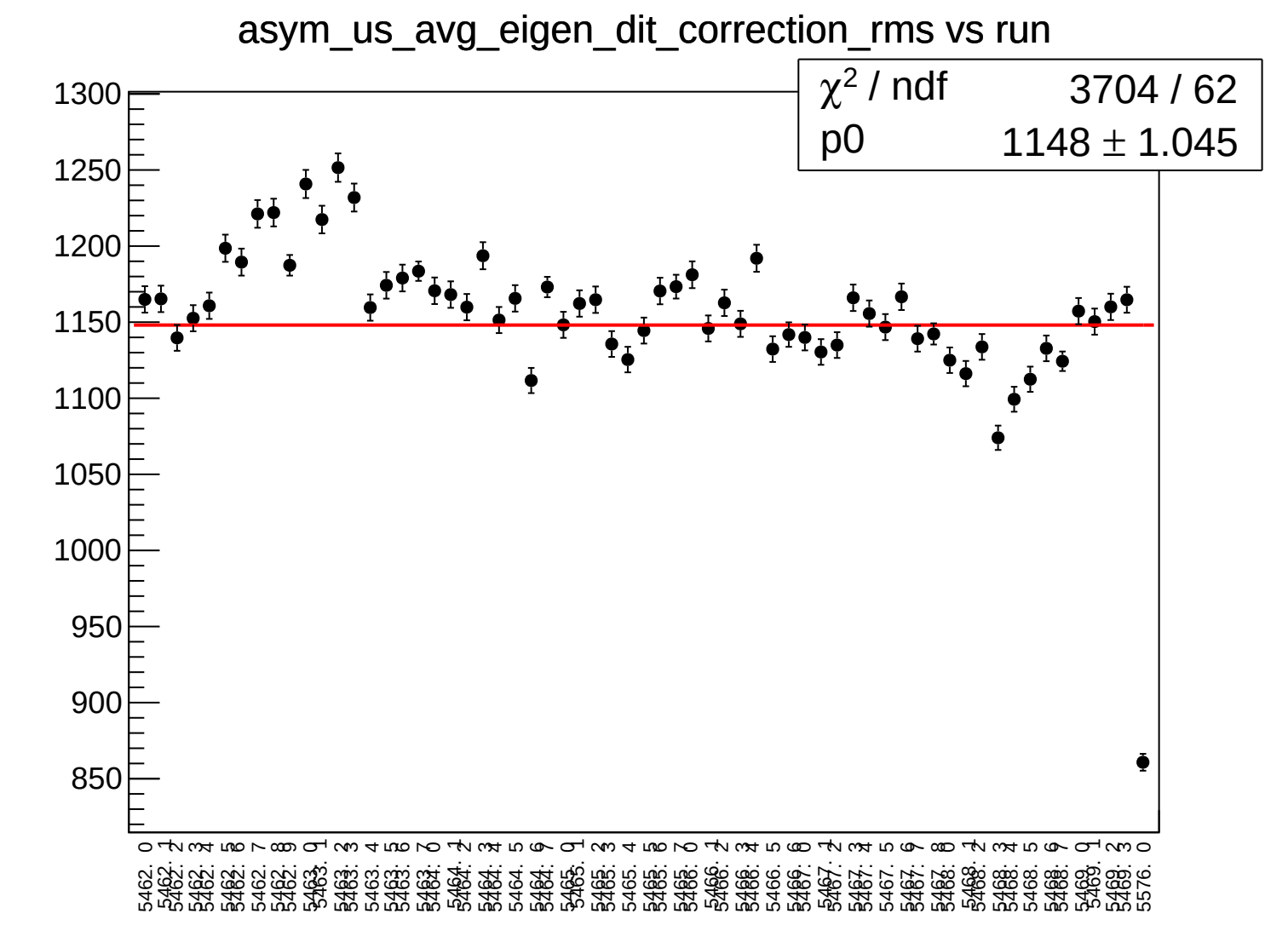

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 76.14 / 62
p0 1618 ± 1000
pull
Entries 63
Mean −274.8
Std Dev 0

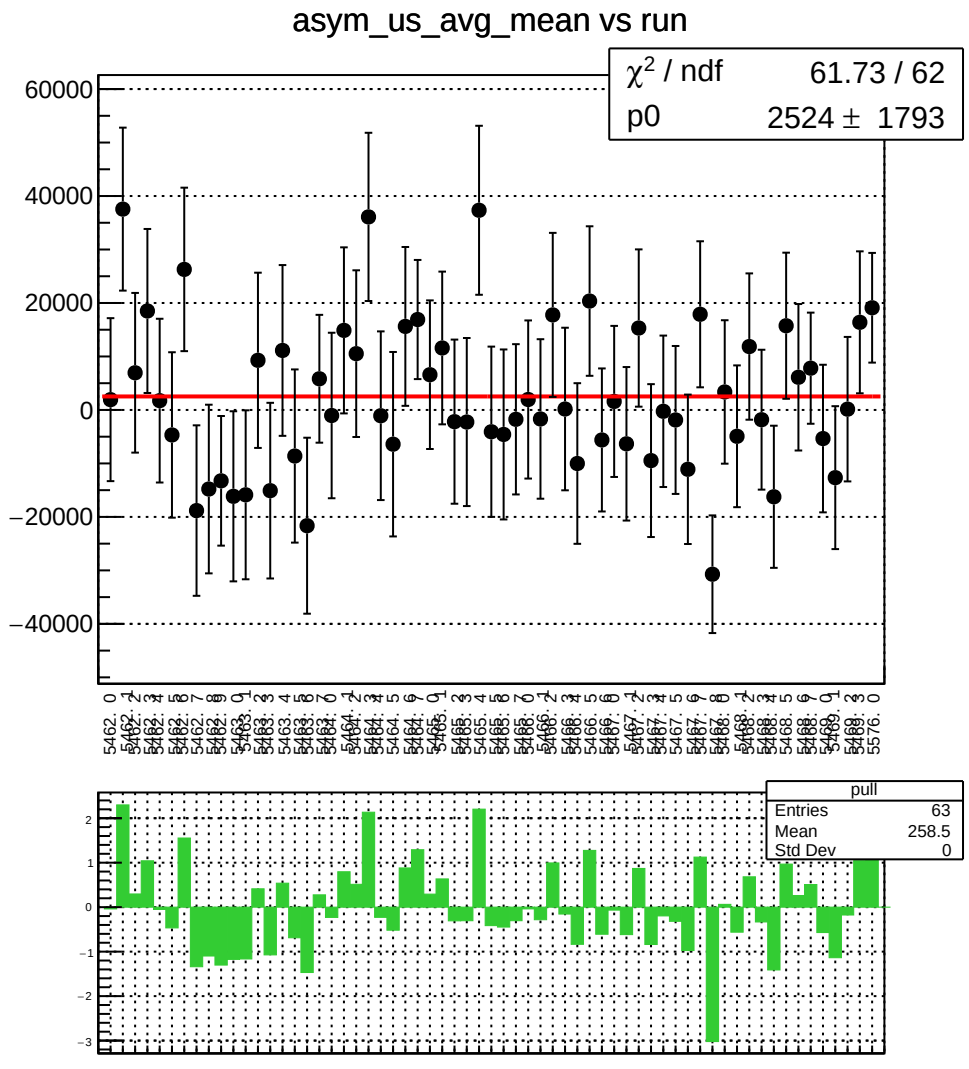

pull1D
Entries 63
Mean −0.006403
Std Dev 1.099

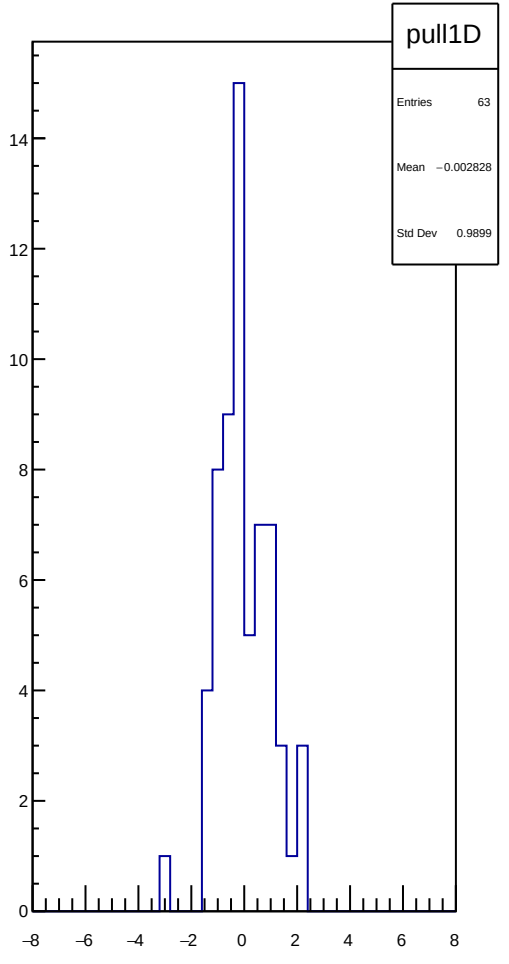

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 286 / 62
p0 778.1 ± 0.7072
840
820
800
780
760

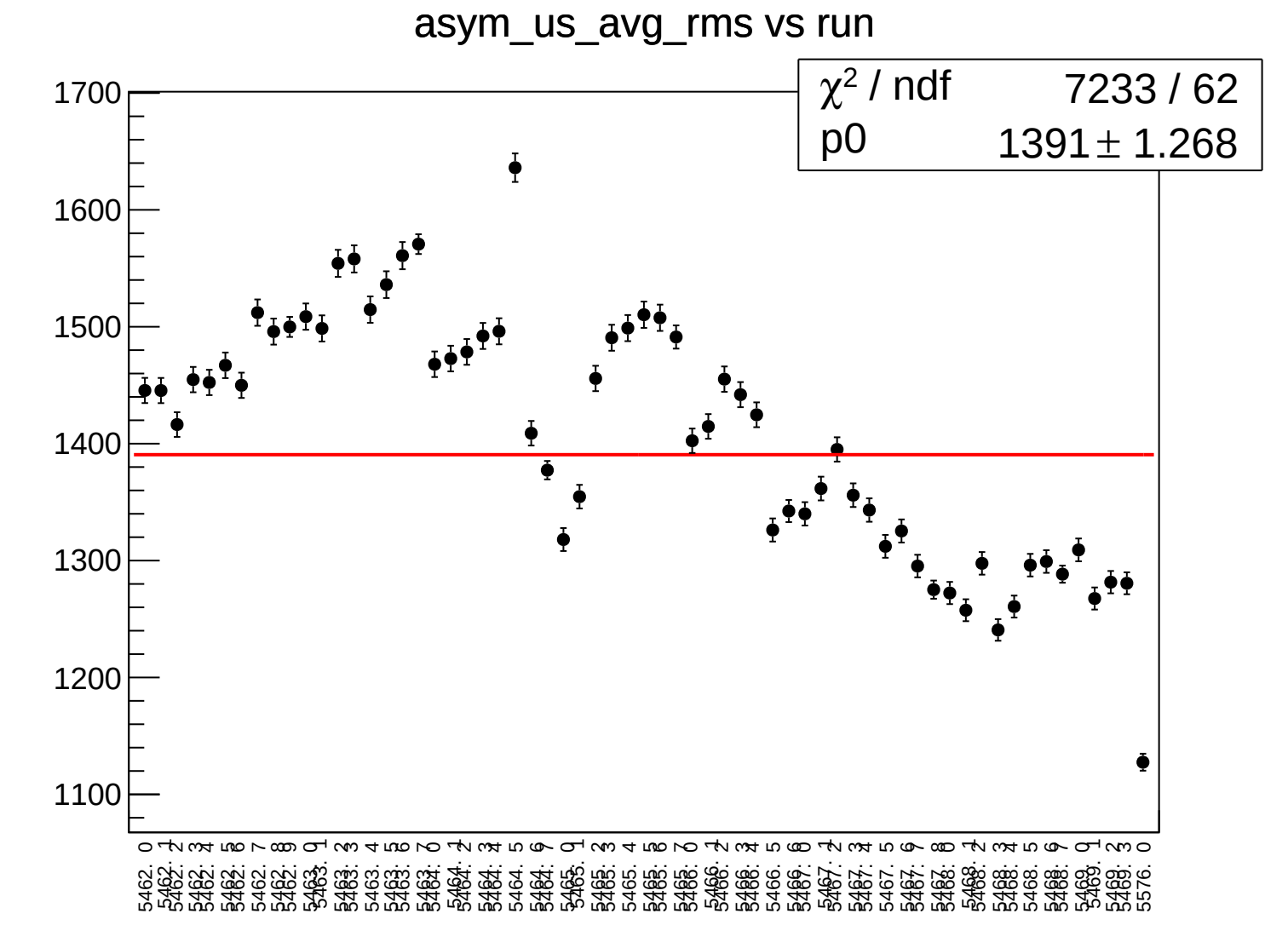

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.93 / 62
p0 −842.4 ± 1478
pull
Entries 63
Mean −557.5
Std Dev 0

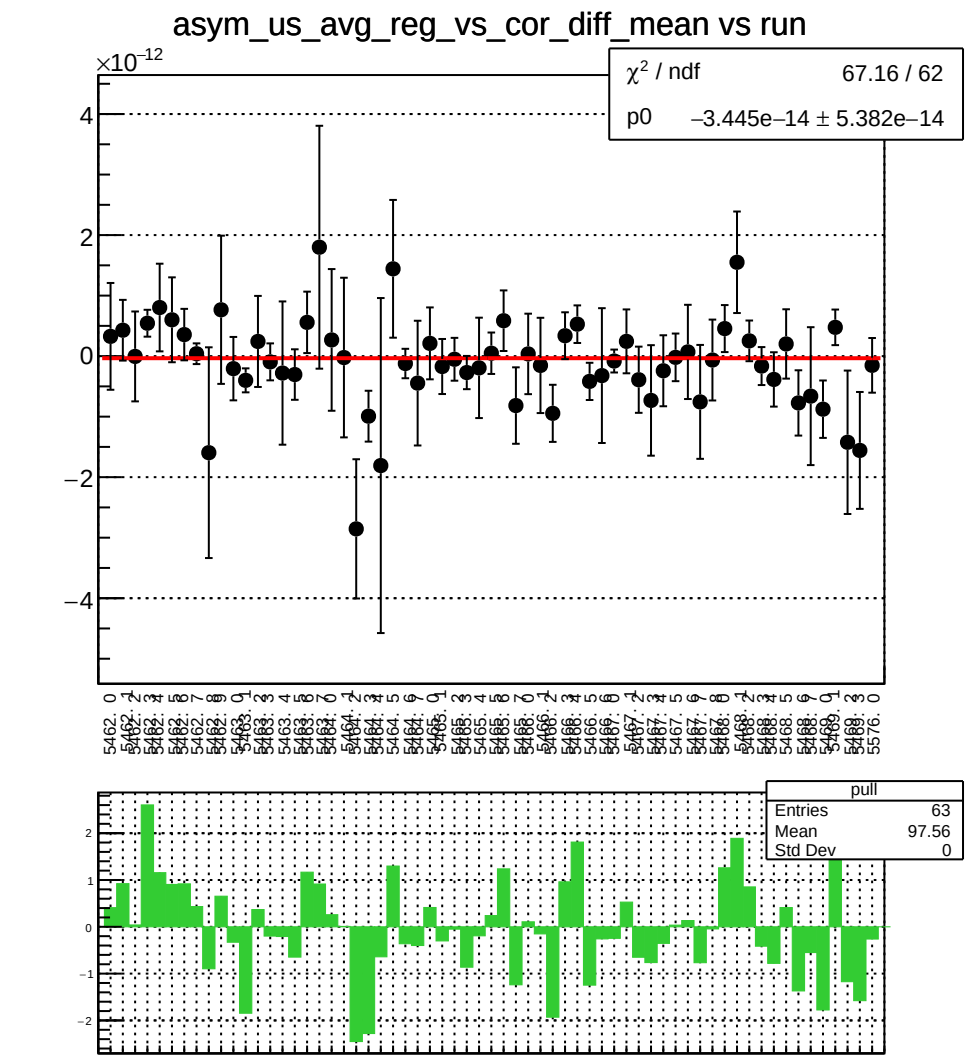

pull1D
Entries 63
Mean −0.003603
Std Dev 1.015

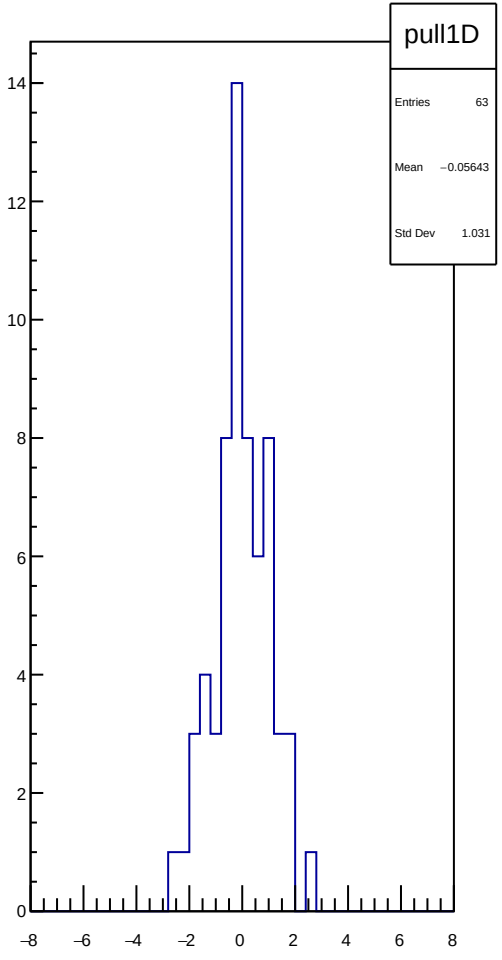

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 3704 / 62
p0 1148 ± 1.045
1300
1250
1200
1150
1100
1050
1000
950
900
850

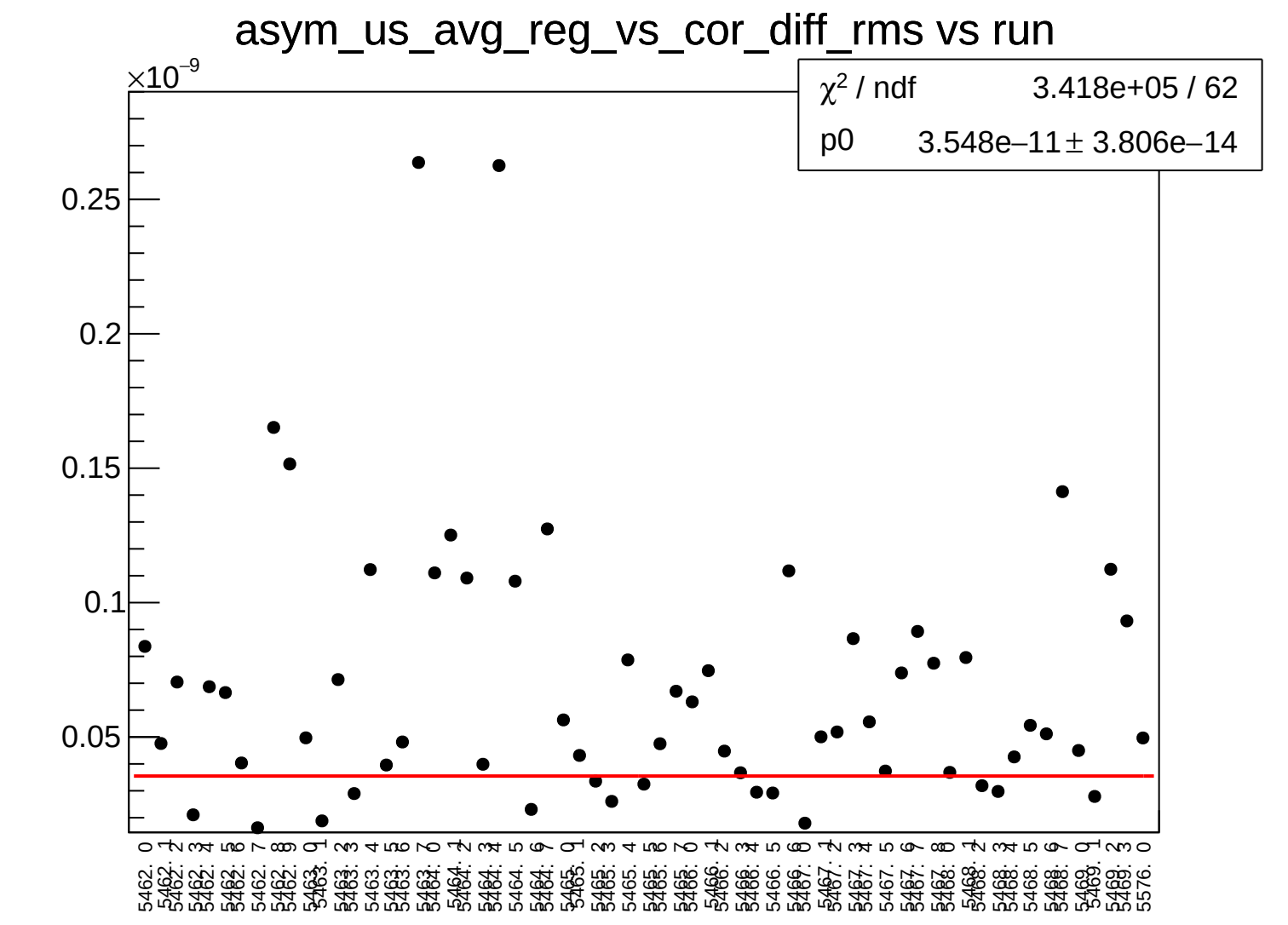

asym_us_avg_mean vs run
χ² / ndf 61.73 / 62
p0 2524 ± 1793
60000
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 258.5
Std Dev 0
2
1
0
−1
−2
−3

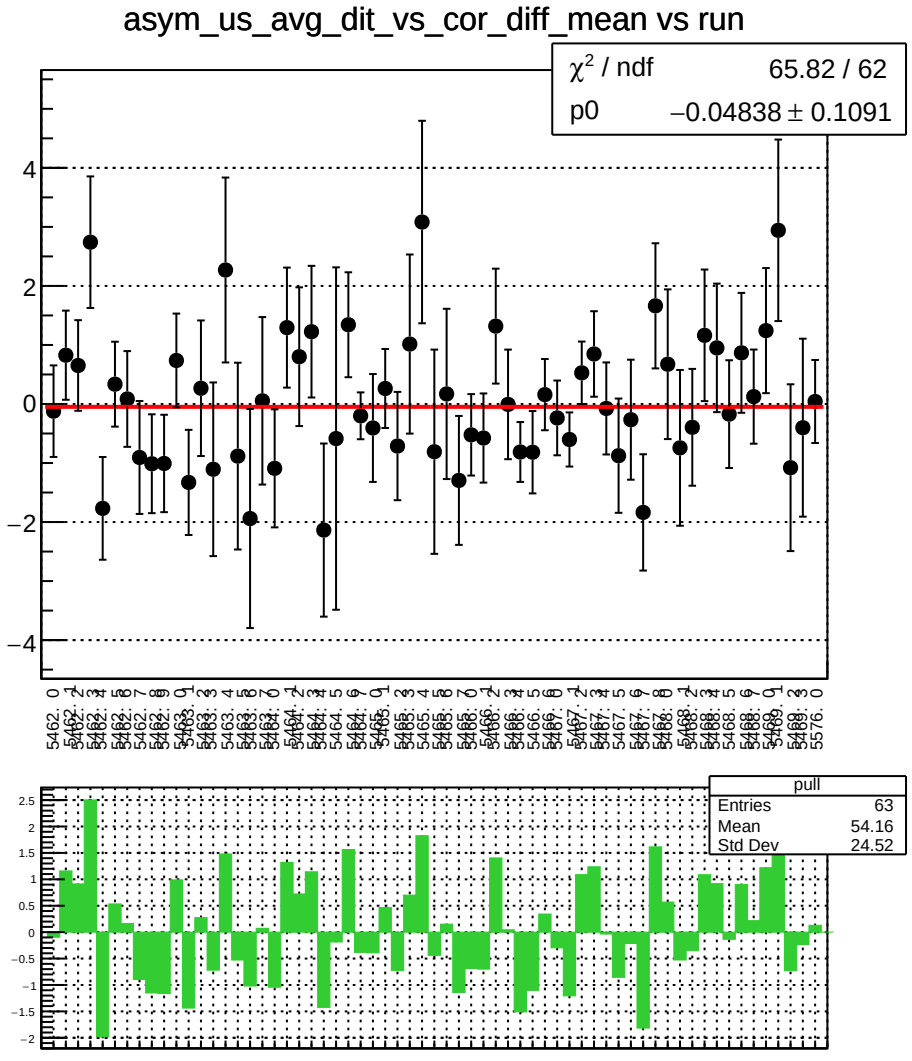

pull1D
Entries 63
Mean −0.002828
Std Dev 0.9899
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

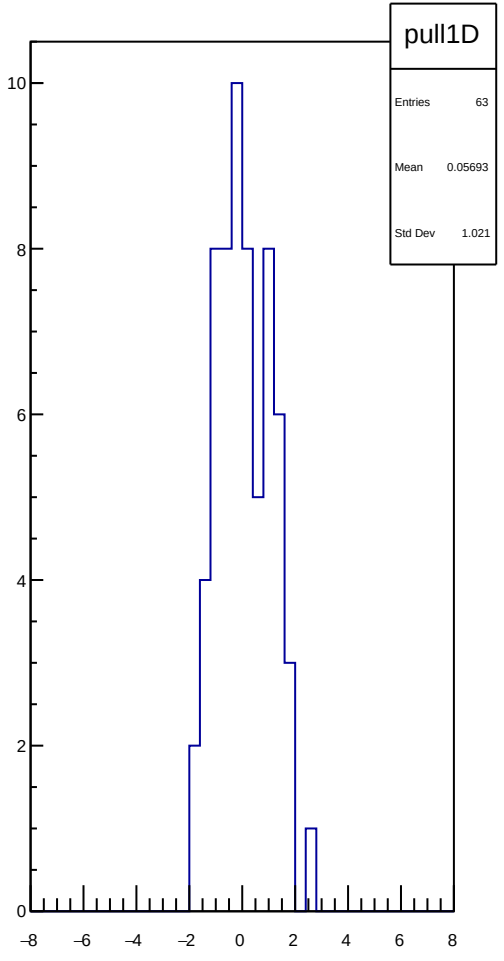

asym_us_avg_rms vs run
χ² / ndf 7233 / 62
p0 1391 ± 1.268
1700
1600
1500
1400
1300
1200
1100

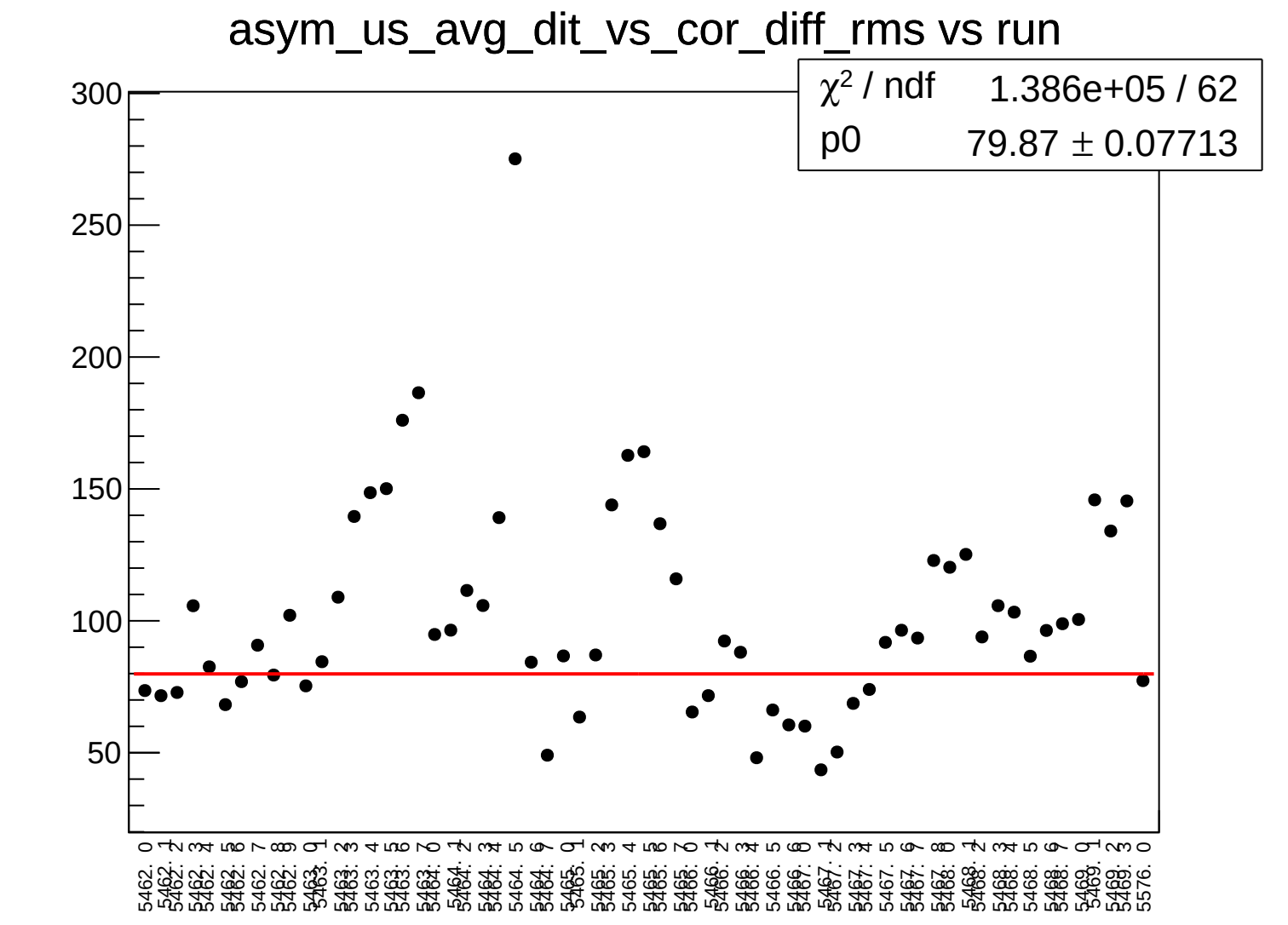

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.16 / 62
p0 −3.445e−14 ± 5.382e−14
pull
Entries 63
Mean 97.56
Std Dev 0

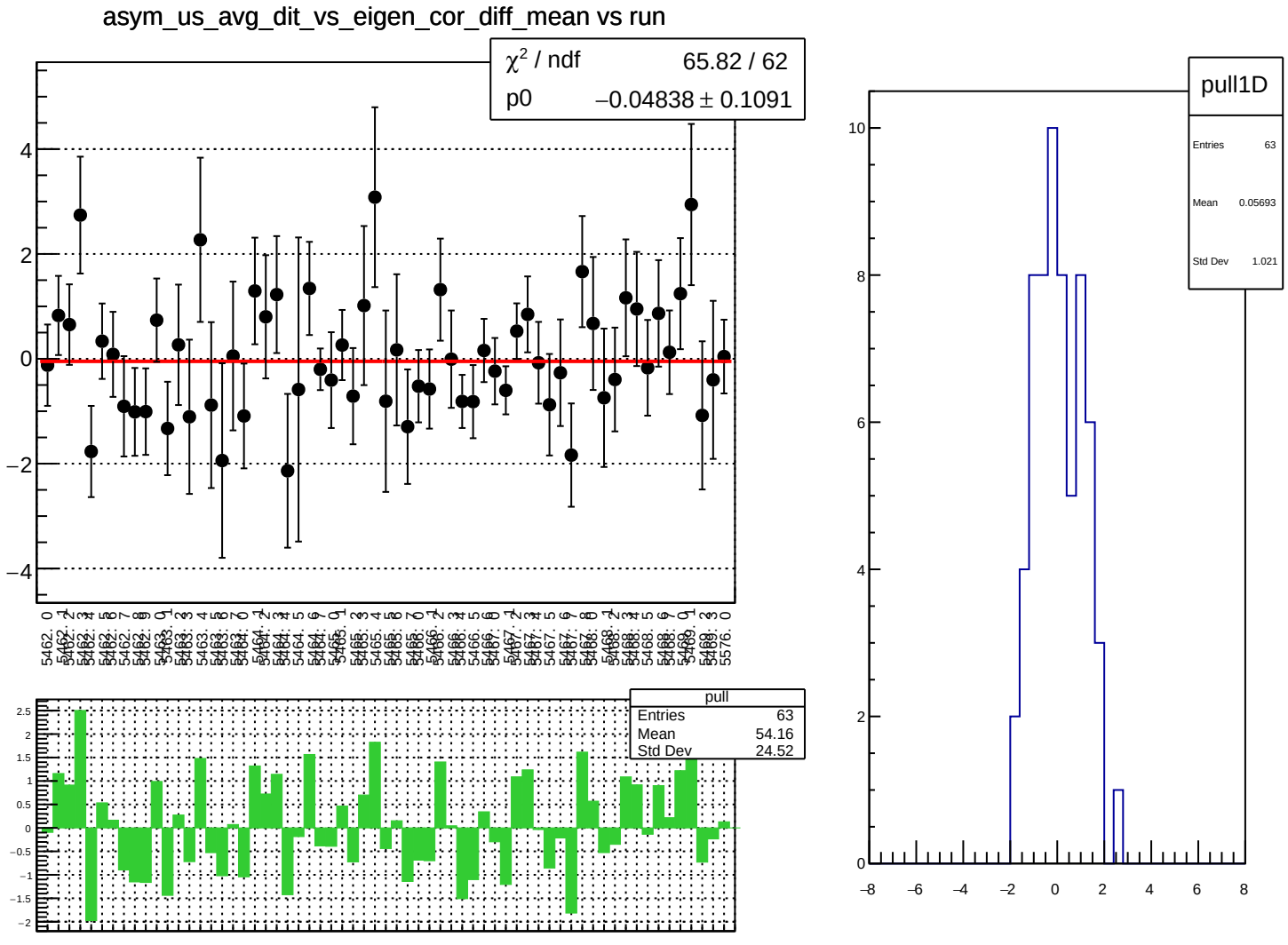

pull1D
Entries 63
Mean −0.05643
Std Dev 1.031

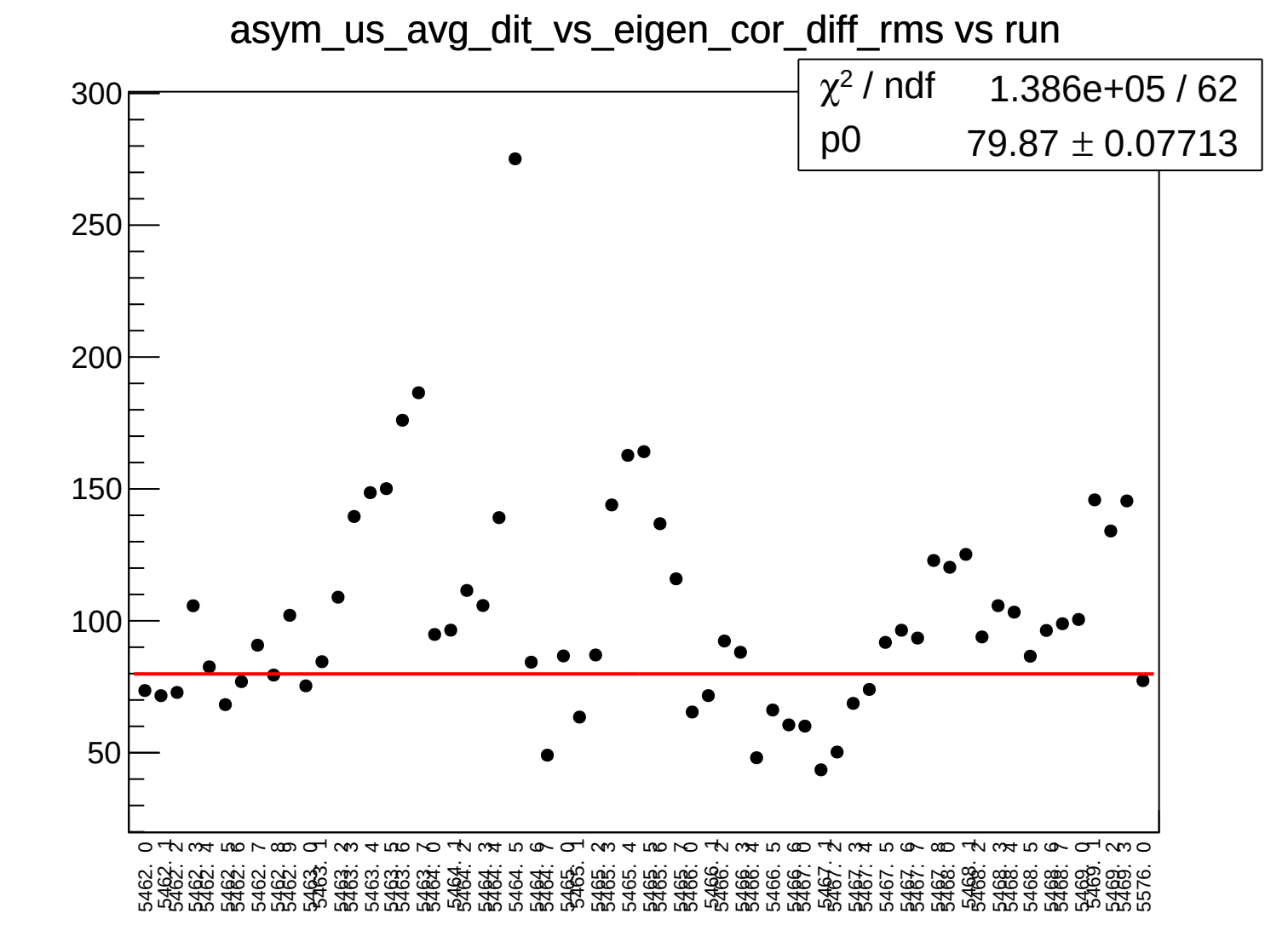

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.418e+05 / 62
p0 3.548e−11 ± 3.806e−14
0.25
0.2
0.15
0.1
0.05


asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.82 / 62
p0 −0.04838 ± 0.1091
pull
Entries 63
Mean 54.16
Std Dev 24.52

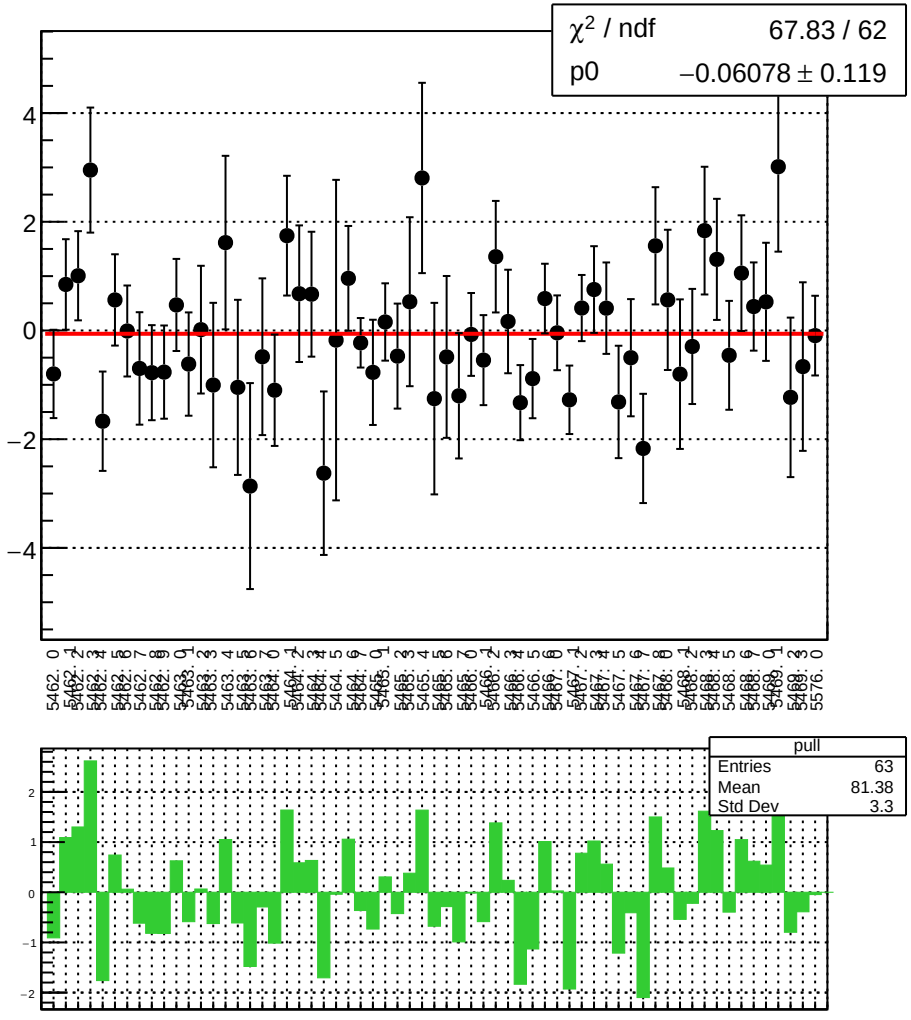

pull1D
Entries 63
Mean 0.05693
Std Dev 1.021

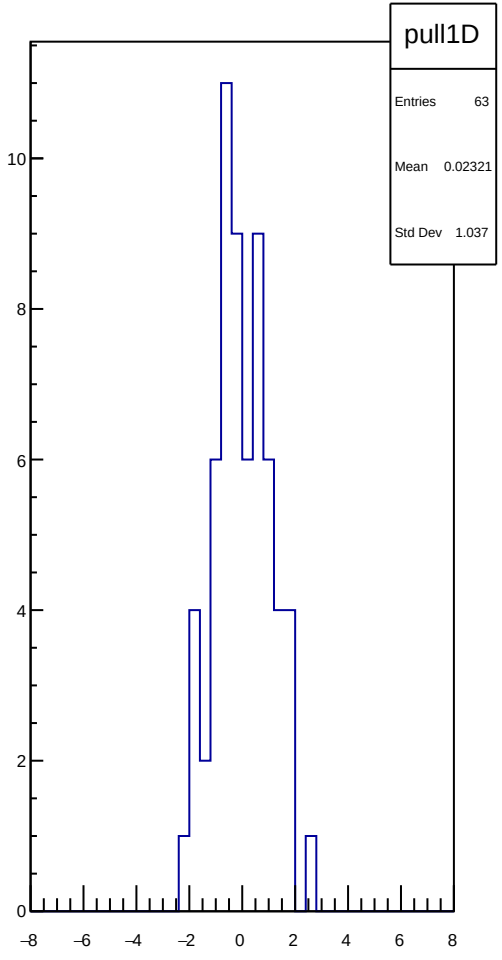

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.386e+05 / 62
p0 79.87 ± 0.07713
300
250
200
150
100
50

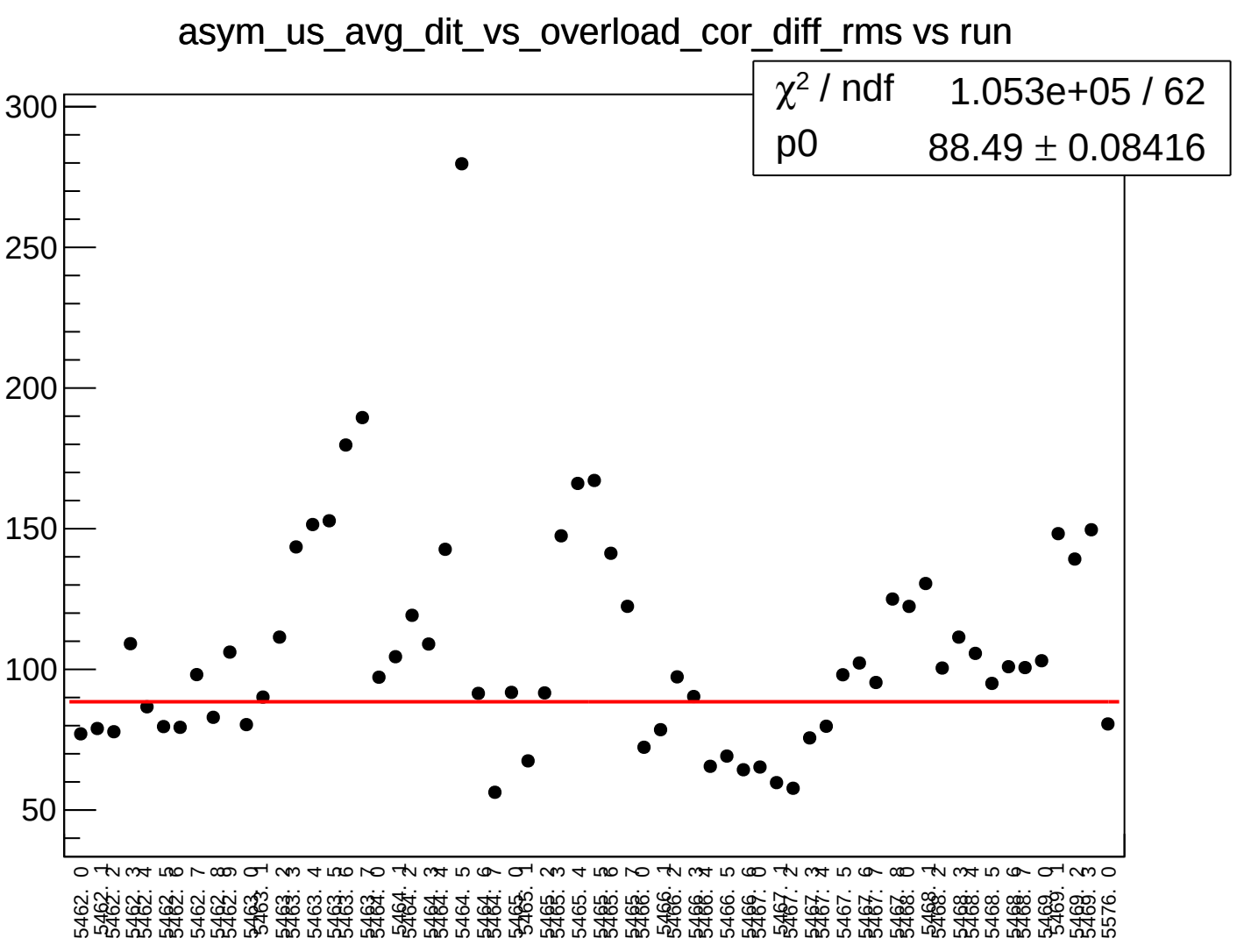

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.82 / 62
p0 −0.04838 ± 0.1091
pull
Entries 63
Mean 54.16
Std Dev 24.52
pull1D
Entries 63
Mean 0.05693
Std Dev 1.021

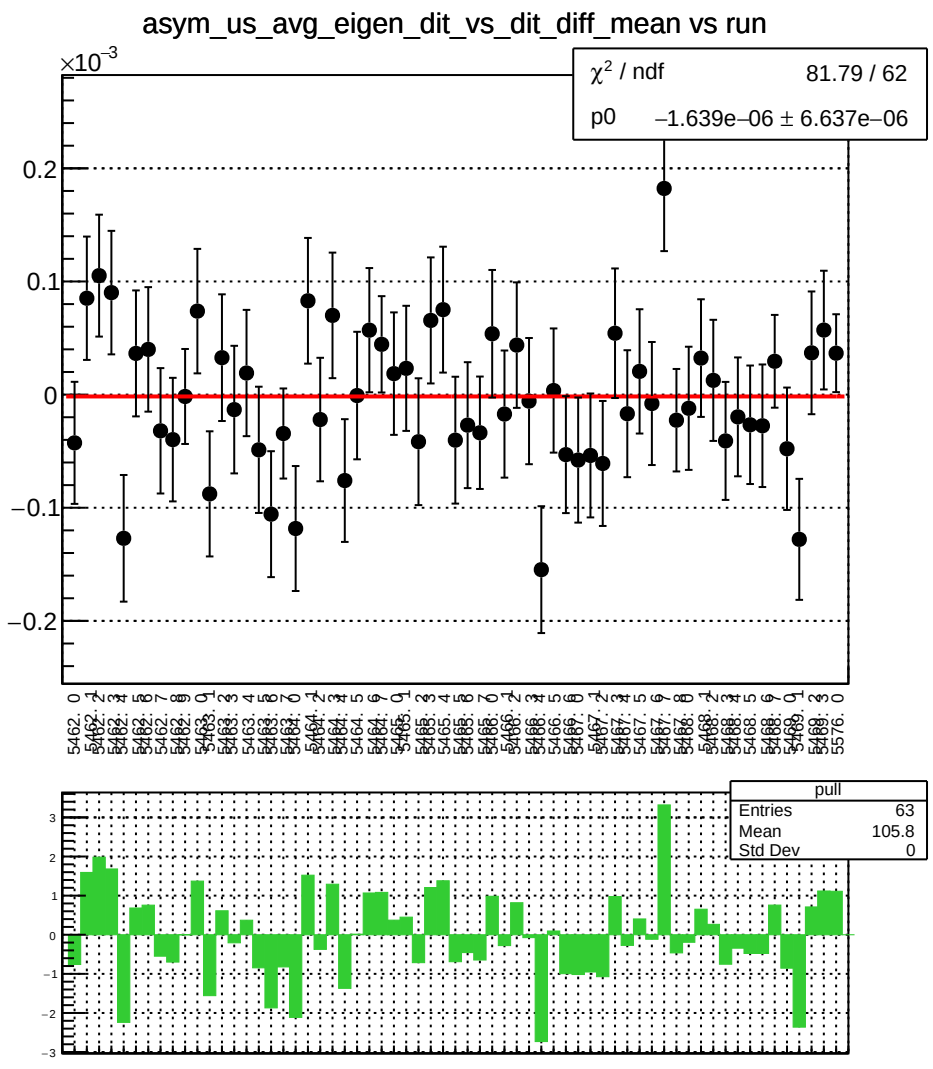

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.386e+05 / 62
p0 79.87 ± 0.07713
300
250
200
150
100
50

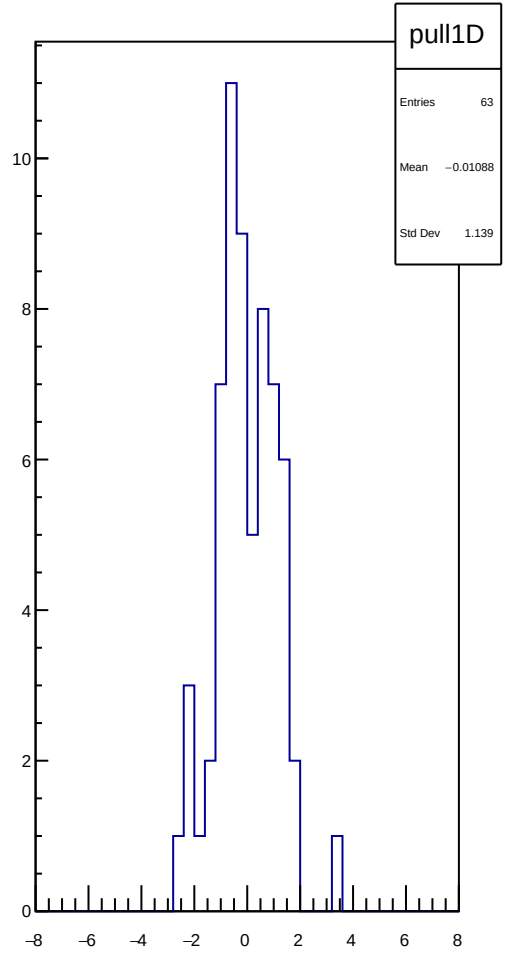
asym_us_avg_dit_vs_overload_cor_diff_mean vs run

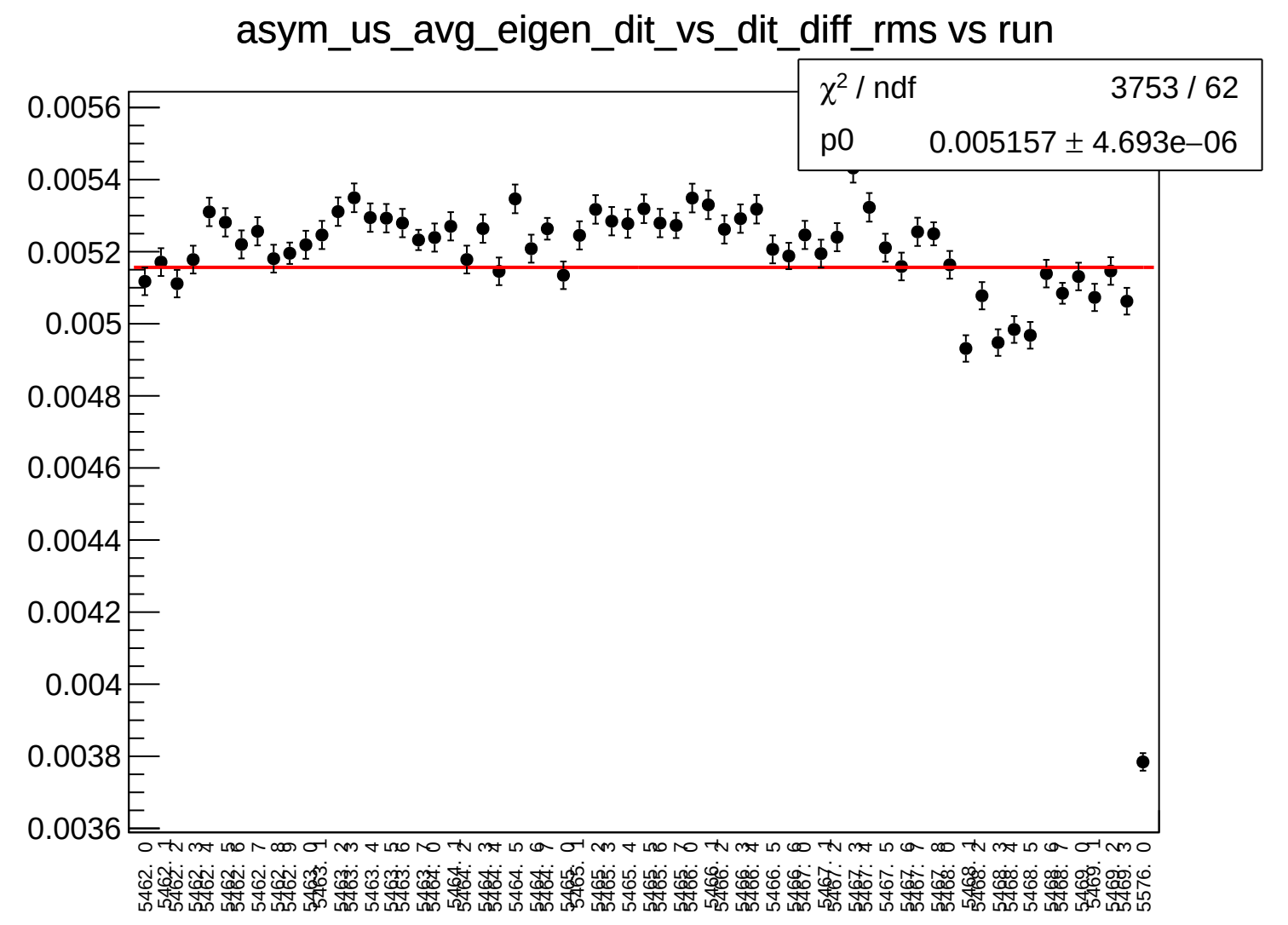


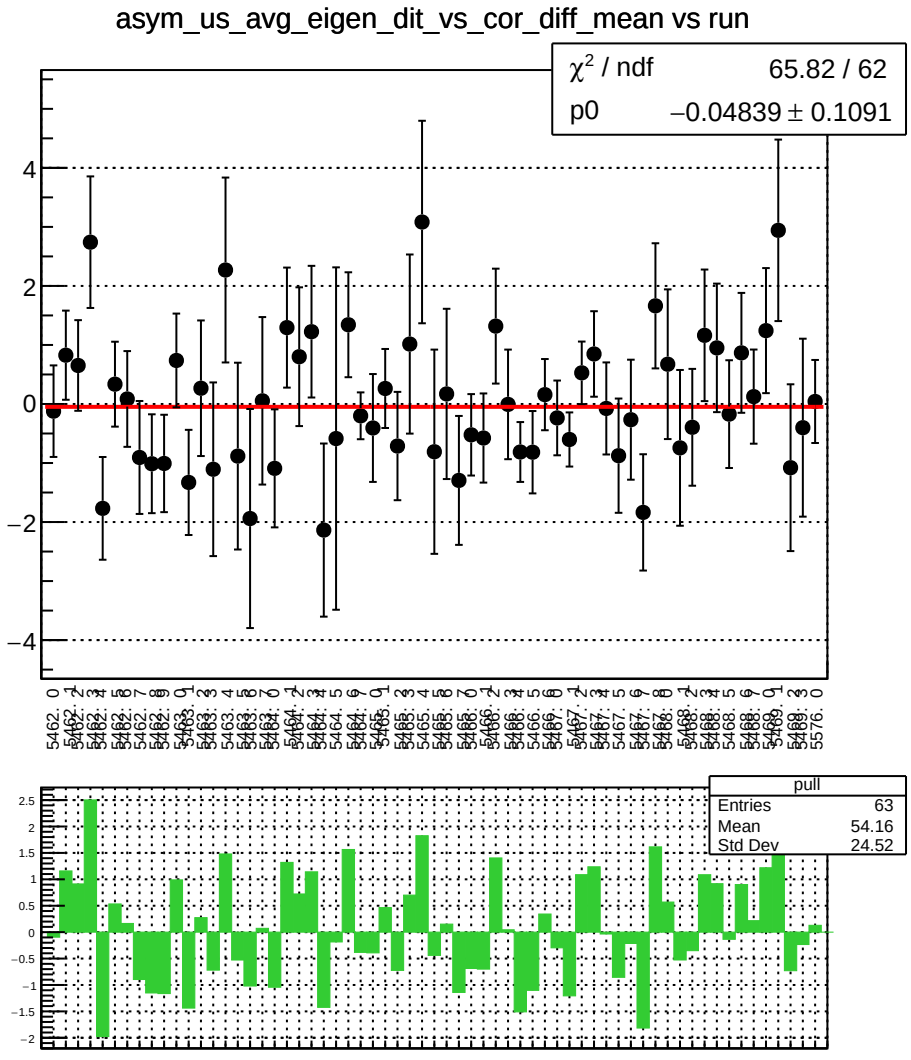


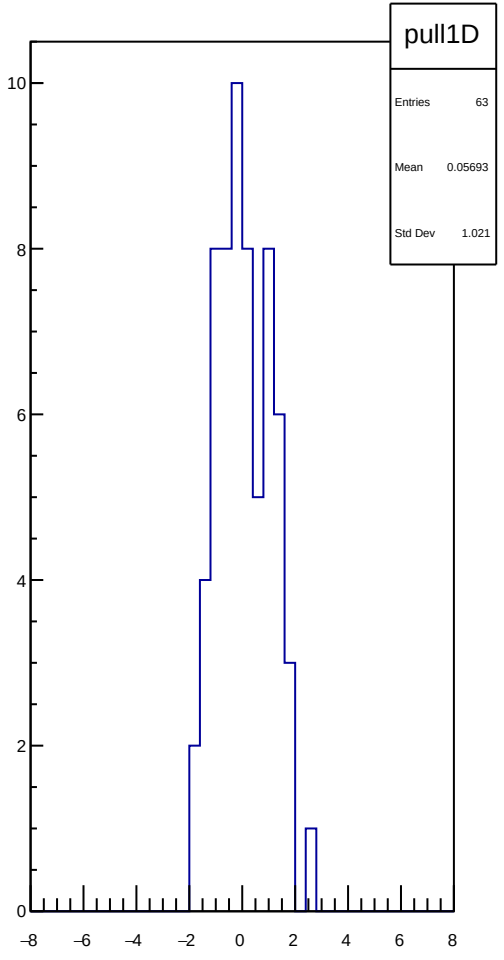

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.053e+05 / 62
p0 88.49 ± 0.08416
300
250
200
150
100
50

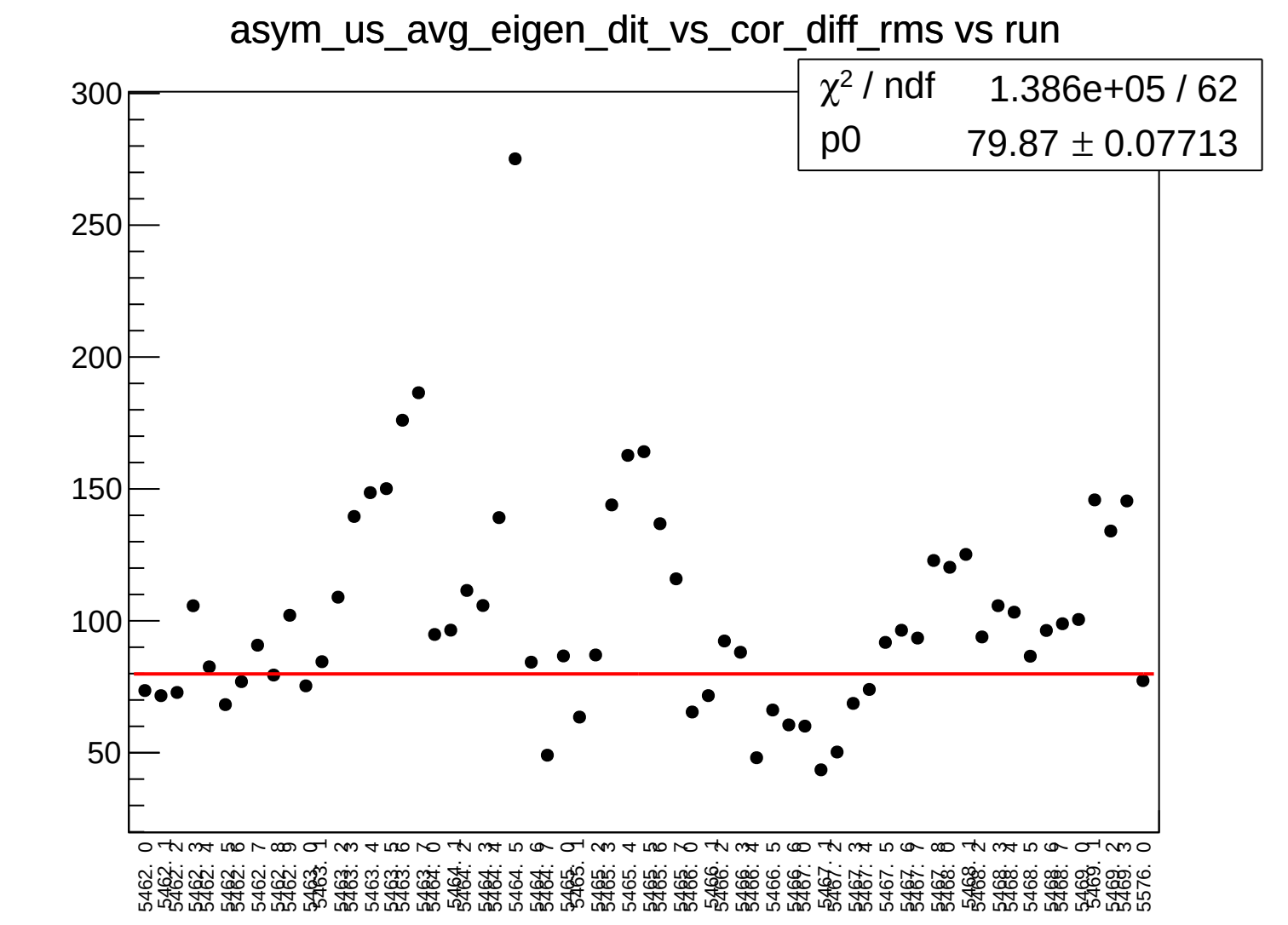

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.79 / 62
p0 −1.639e−06 ± 6.637e−06
pull
Entries 63
Mean 105.8
Std Dev 0

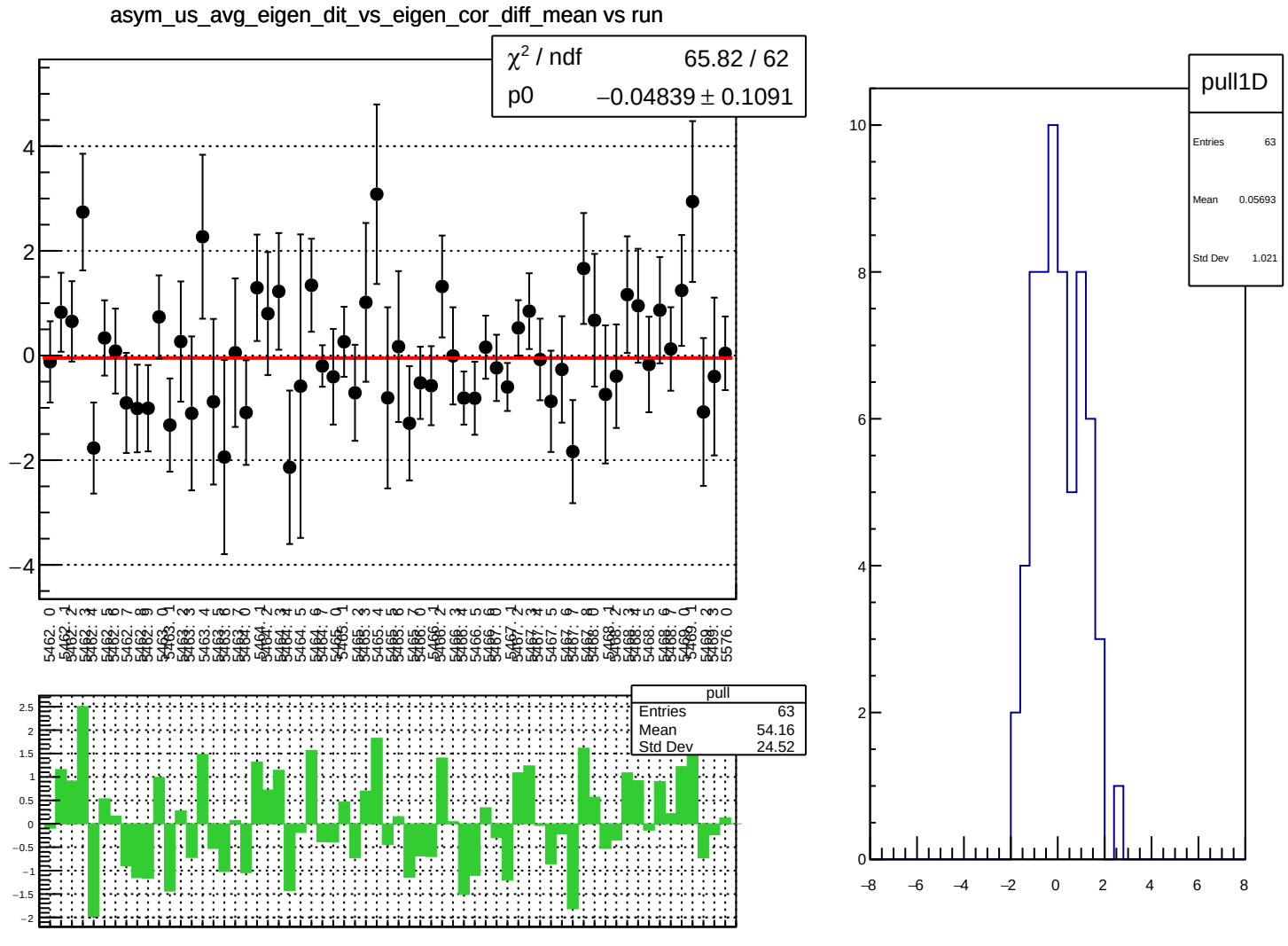

pull1D
Entries 63
Mean −0.01088
Std Dev 1.139

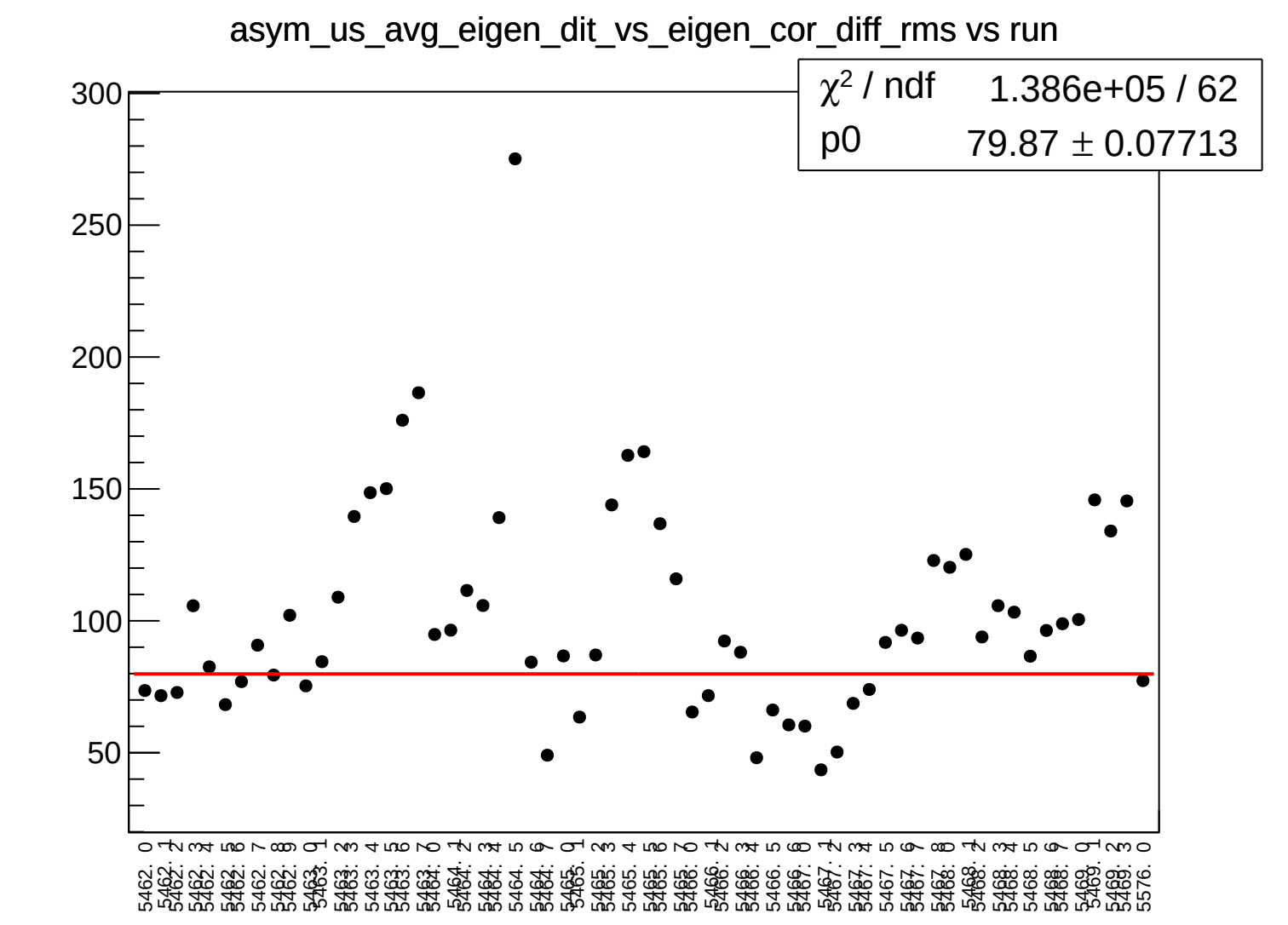

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3753 / 62
p0 0.005157 ± 4.693e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

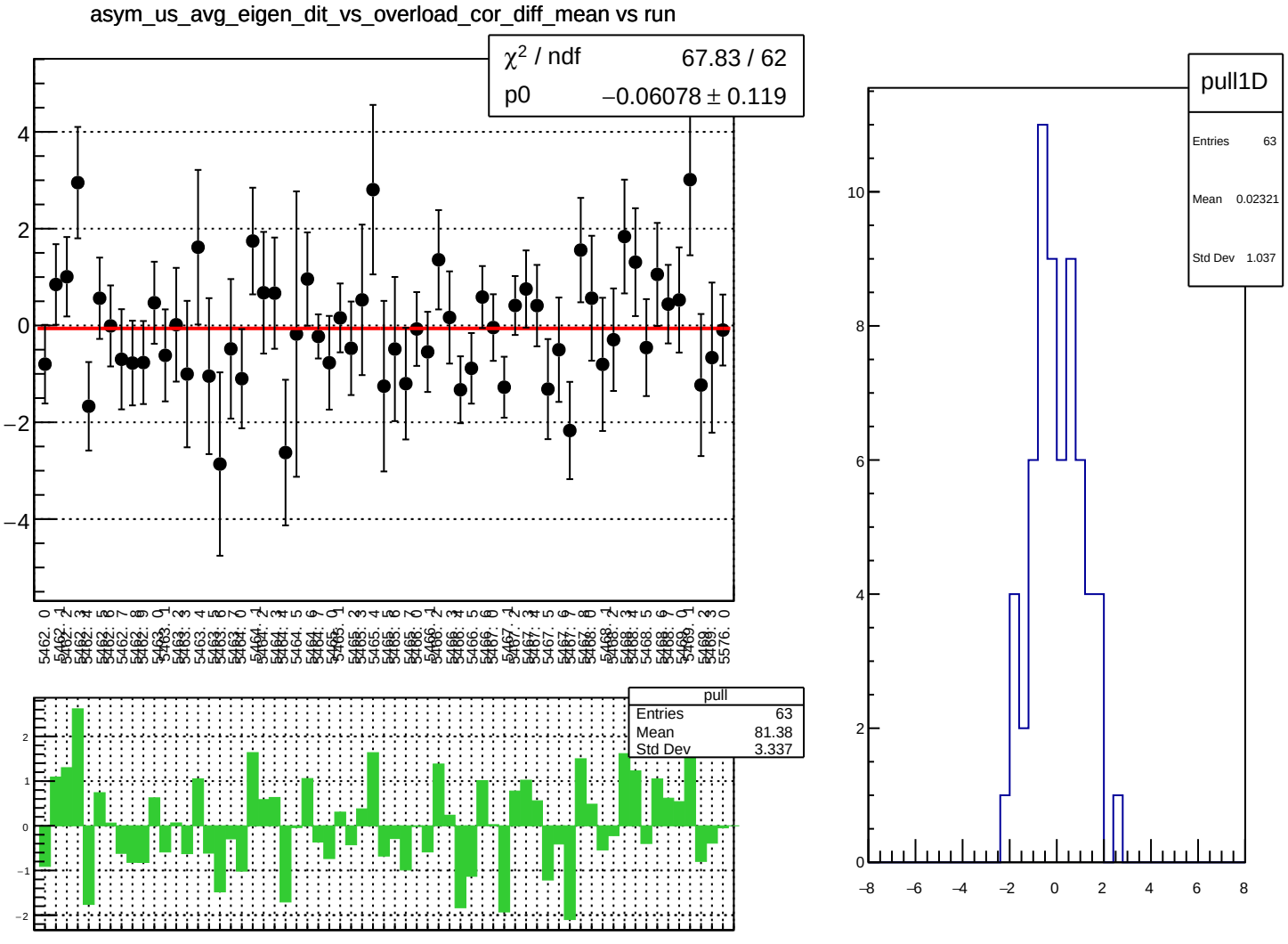

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.82 / 62
p0 −0.04839 ± 0.1091
pull
Entries 63
Mean 54.16
Std Dev 24.52

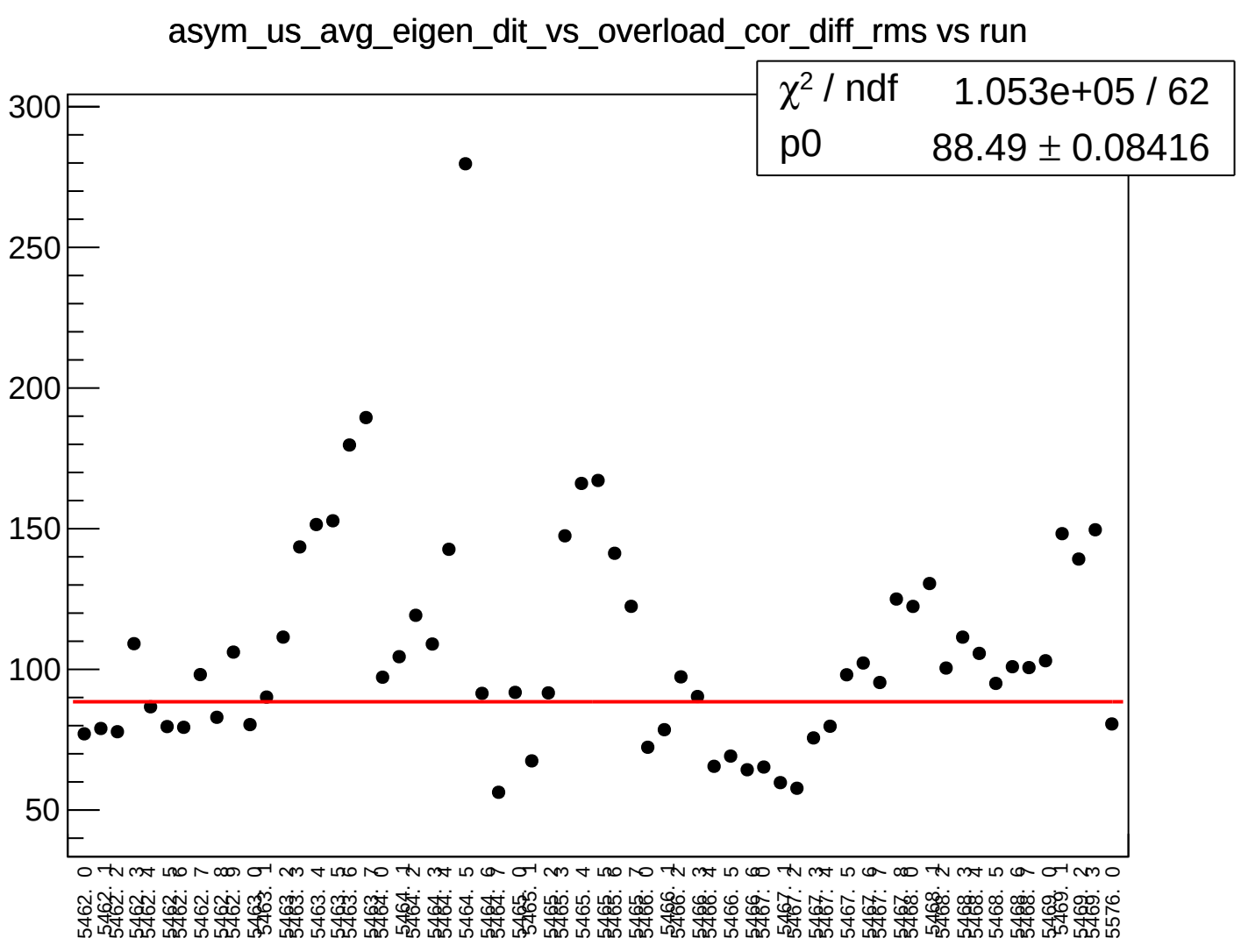

pull1D
Entries 63
Mean 0.05693
Std Dev 1.021

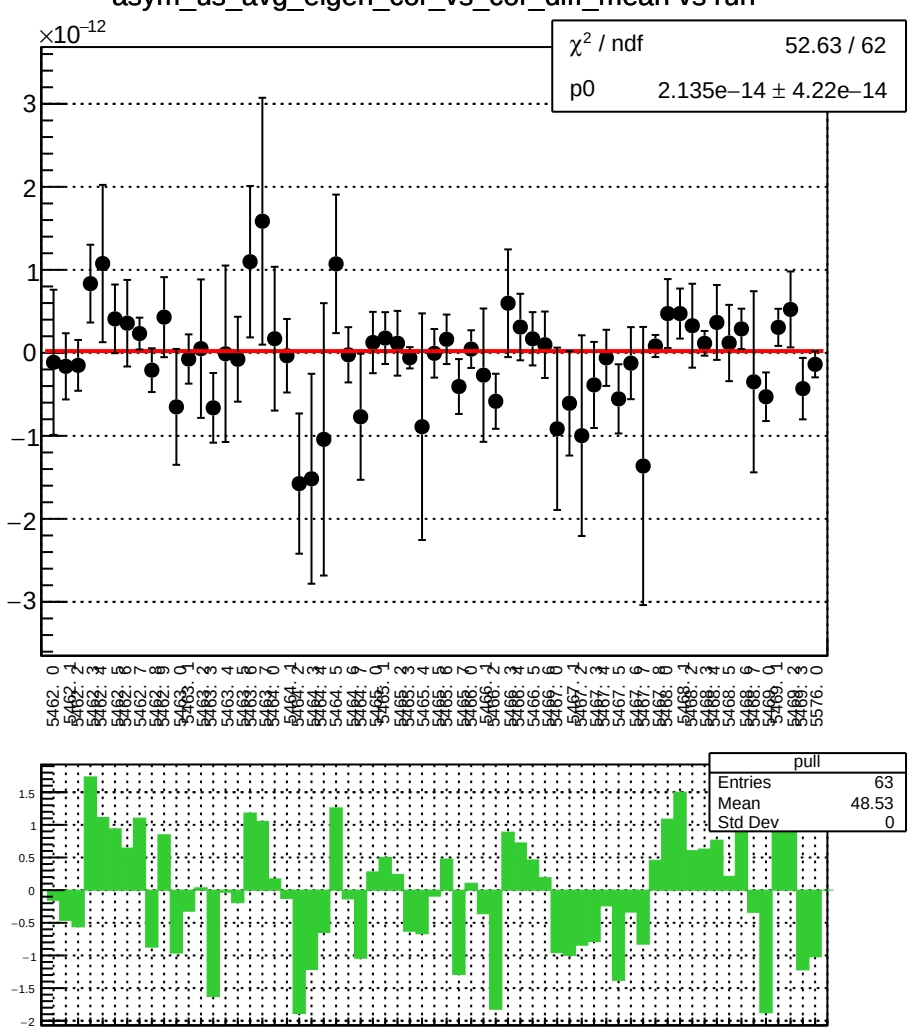

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.386e+05 / 62
p0 79.87 ± 0.07713
300
250
200
150
100
50

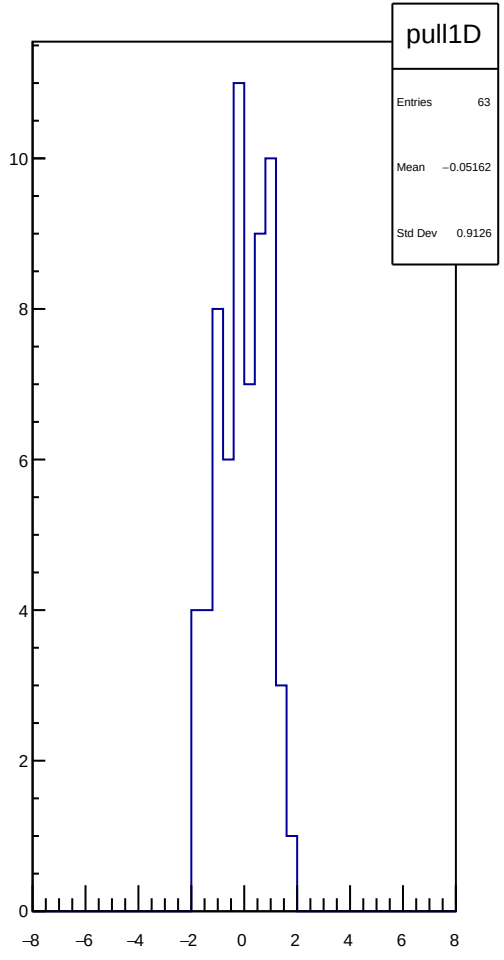

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.82 / 62
p0 −0.04839 ± 0.1091
pull
Entries 63
Mean 54.16
Std Dev 24.52
pull1D
Entries 63
Mean 0.05693
Std Dev 1.021

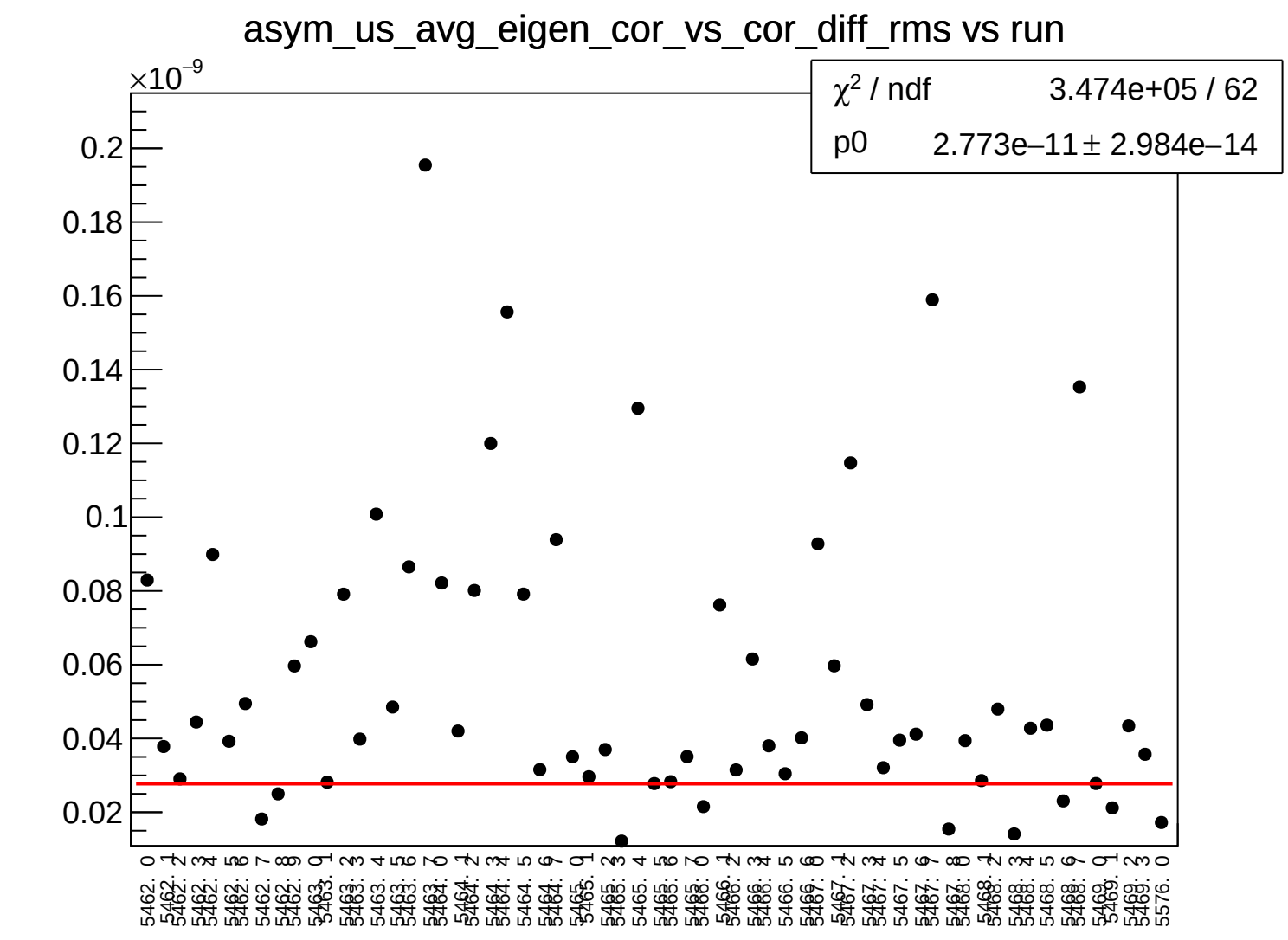

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.386e+05 / 62
p0 79.87 ± 0.07713
300
250
200
150
100
50

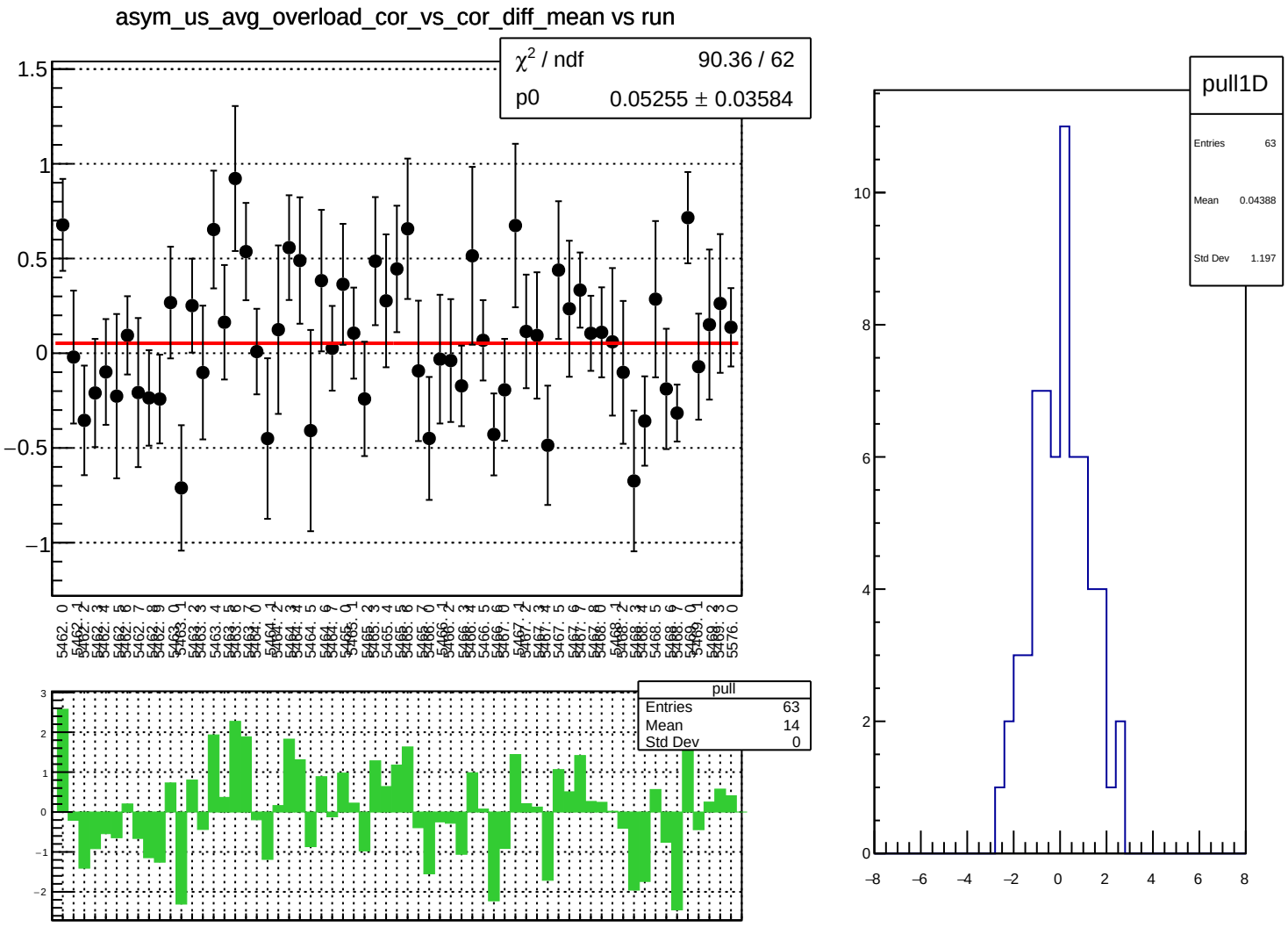

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 67.83 / 62
p0 −0.06078 ± 0.119
pull
Entries 63
Mean 81.38
Std Dev 3.337
pull1D
Entries 63
Mean 0.02321
Std Dev 1.037

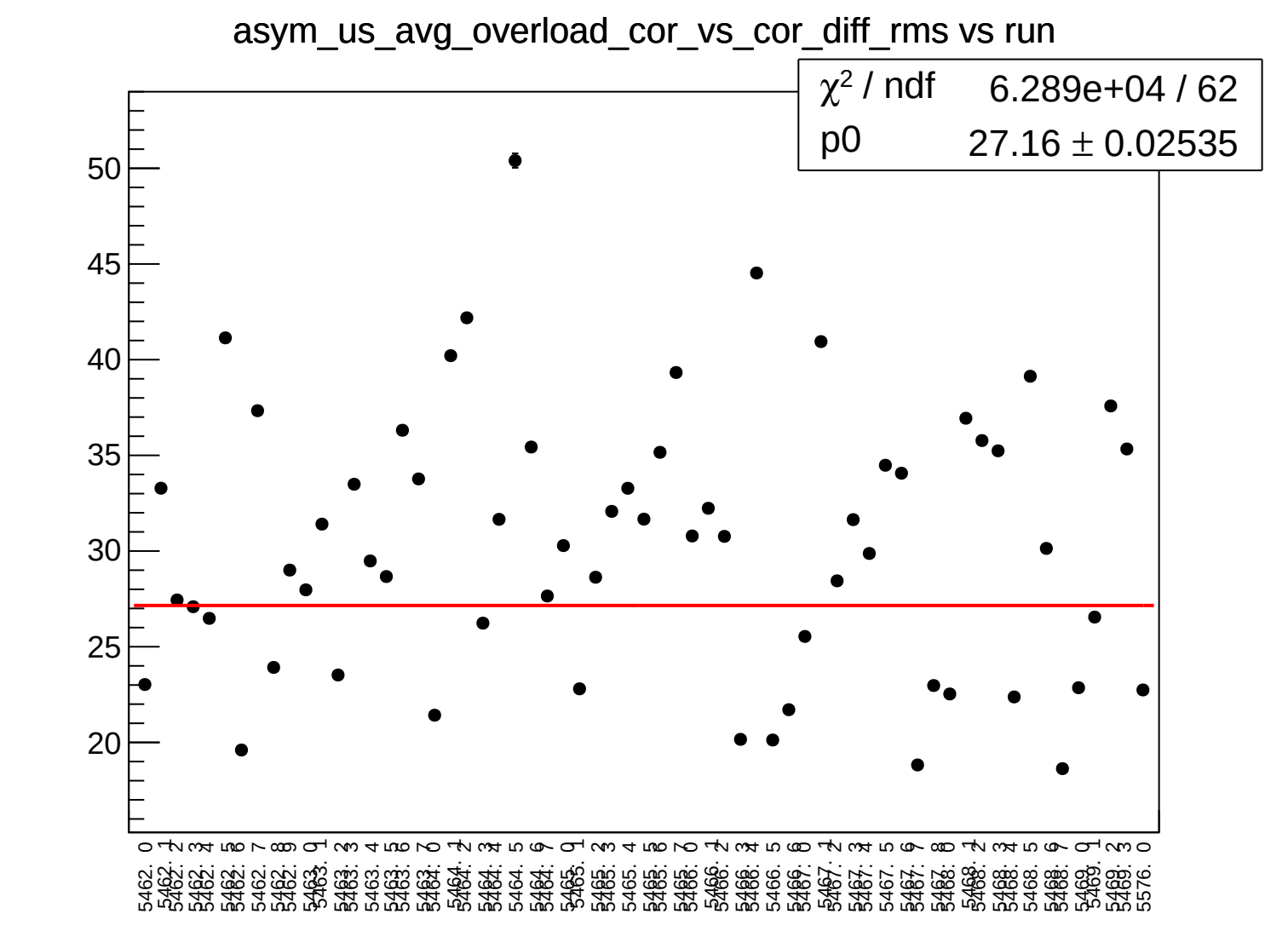

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.053e+05 / 62
p0 88.49 ± 0.08416
300
250
200
150
100
50

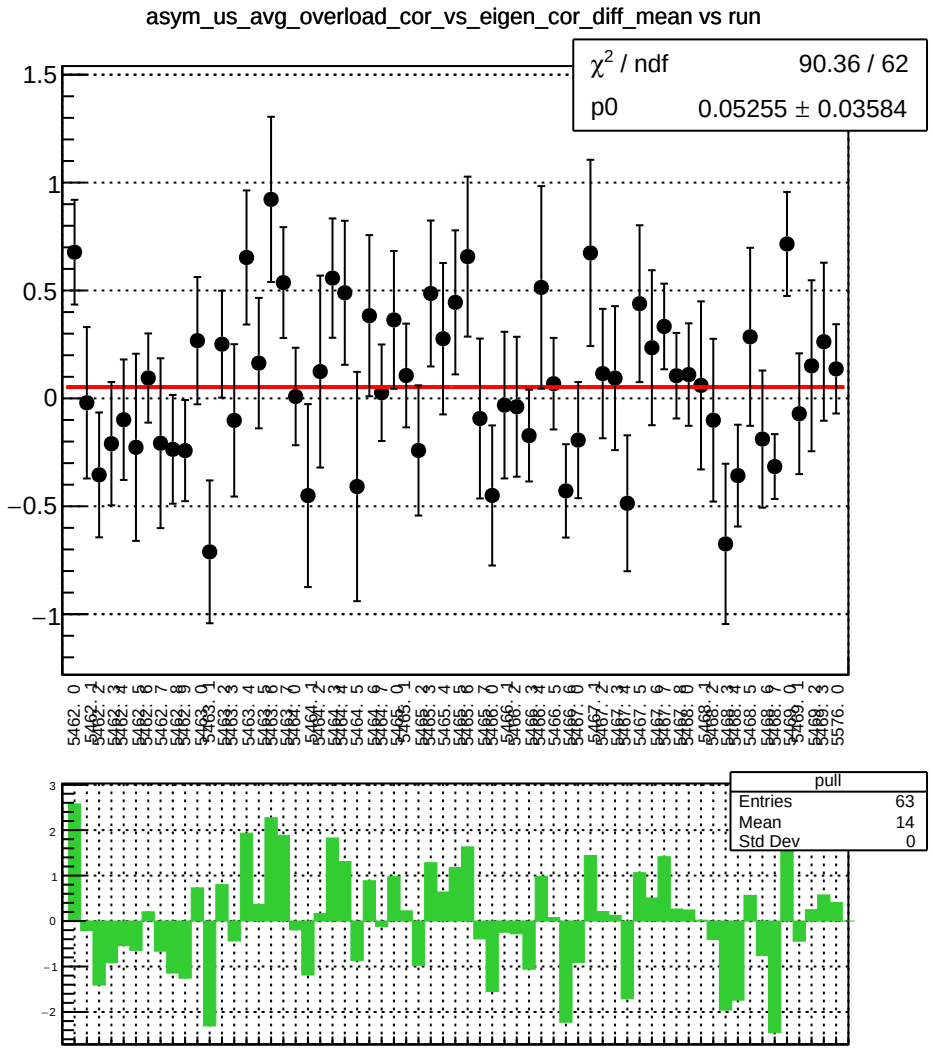

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.63 / 62
p0 2.135e−14 ± 4.22e−14
pull
Entries 63
Mean 48.53
Std Dev 0

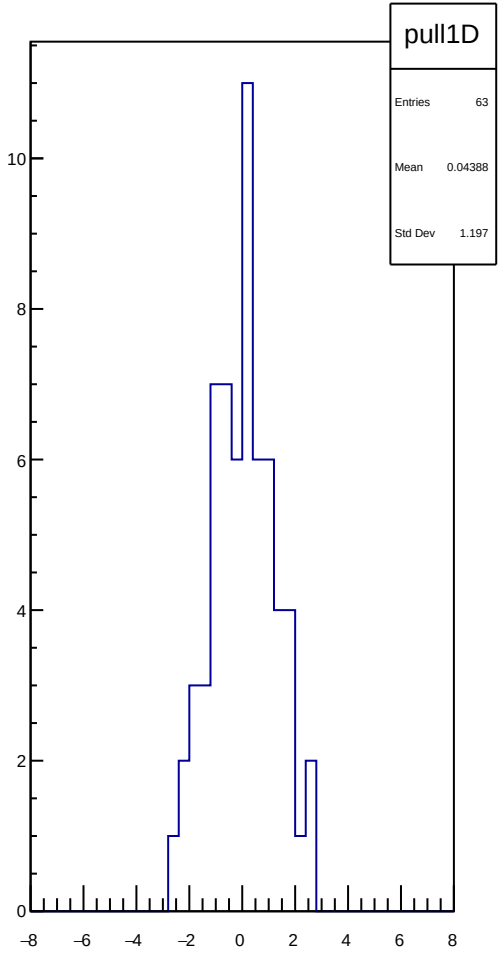

pull1D
Entries 63
Mean −0.05162
Std Dev 0.9126

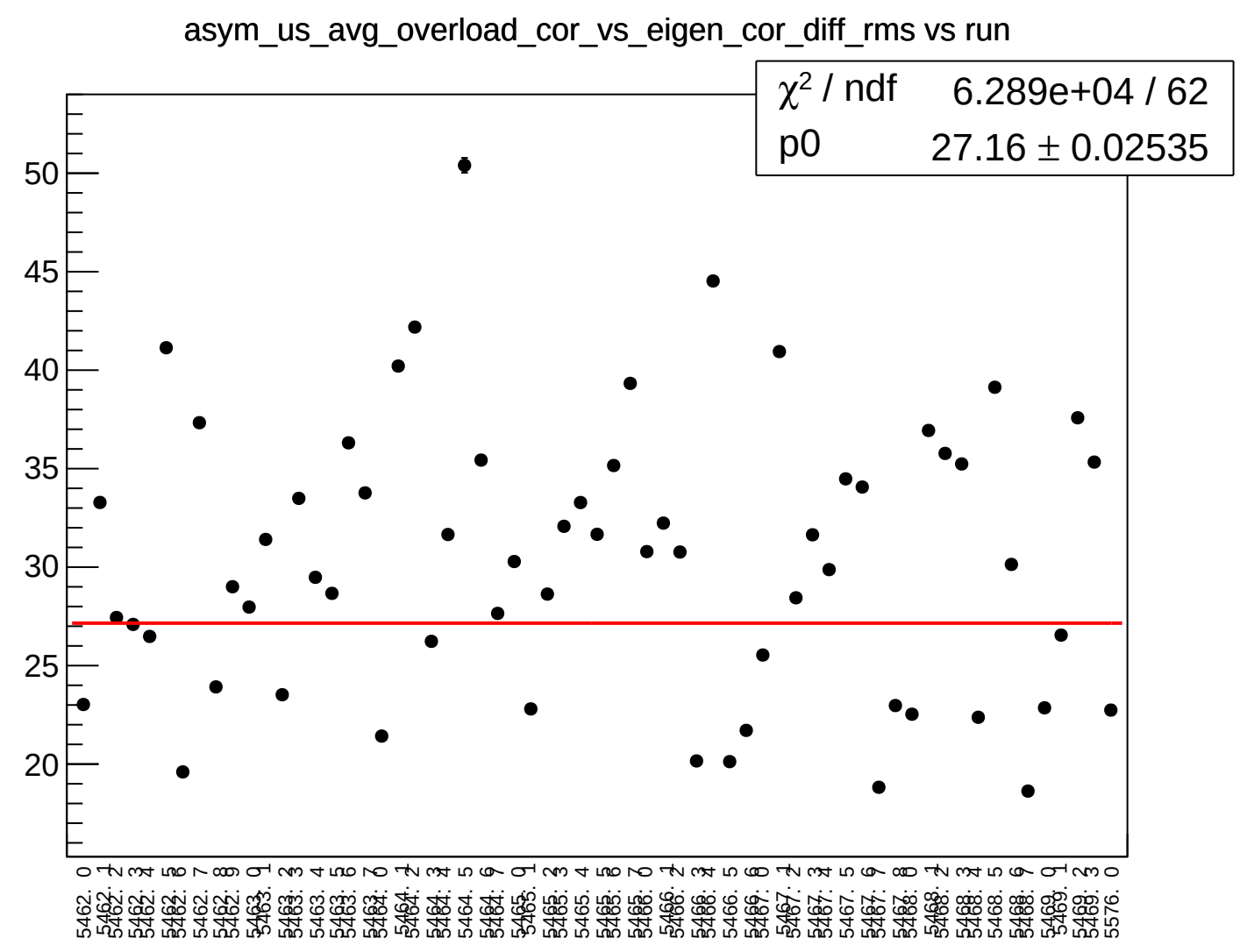

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.474e+05 / 62
p0 2.773e−11 ± 2.984e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

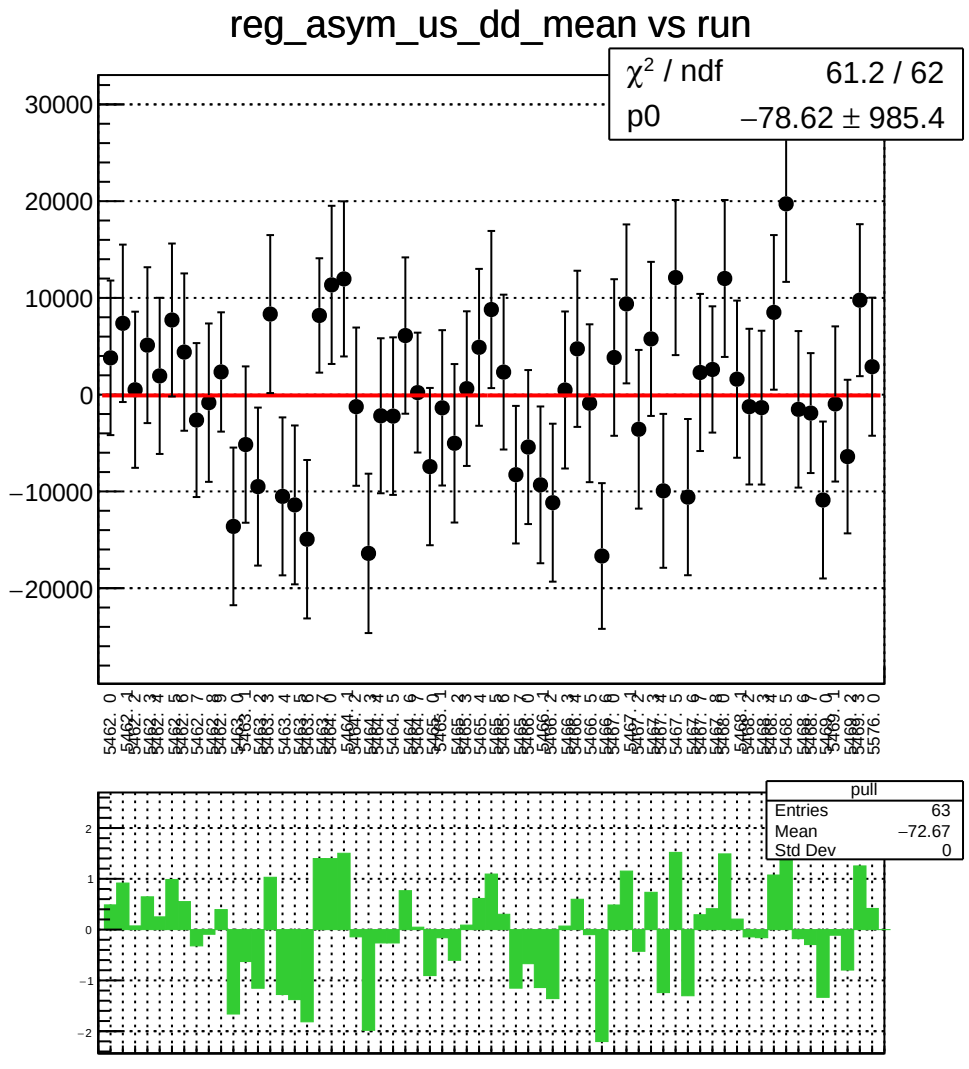

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 90.36 / 62
p0 0.05255 ± 0.03584
pull
Entries 63
Mean 14
Std Dev 0
pull1D
Entries 63
Mean 0.04388
Std Dev 1.197

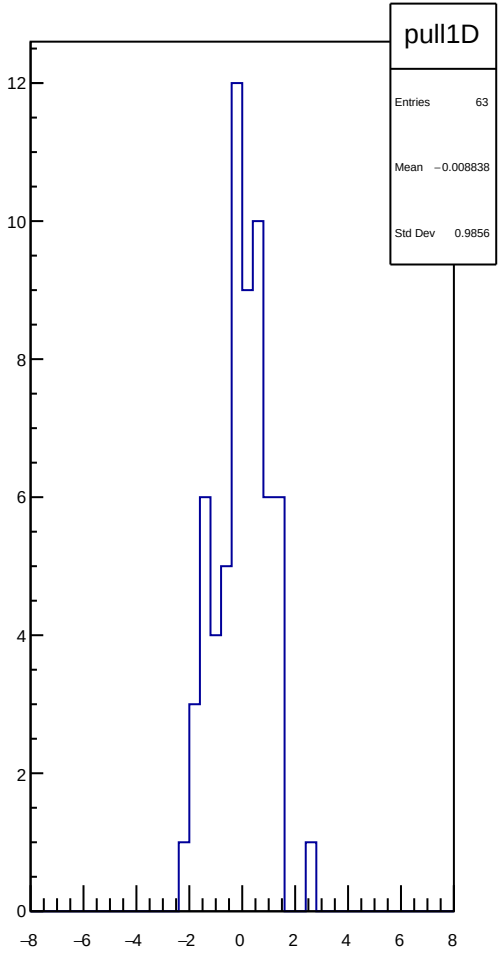

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.289e+04 / 62
p0 27.16 ± 0.02535
50
45
40
35
30
25
20

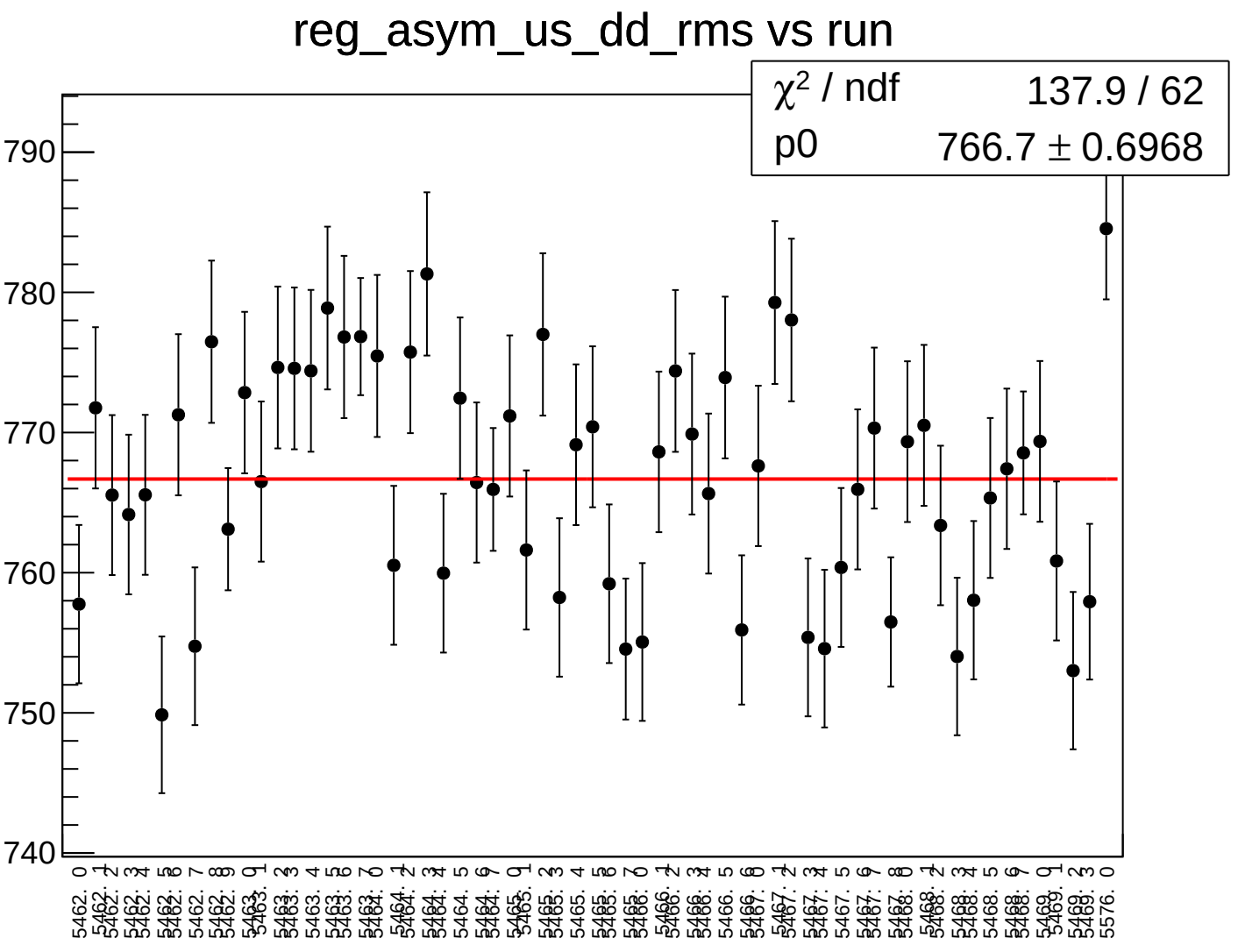

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.36 / 62
p0 0.05255 ± 0.03584
pull
Entries 63
Mean 14
Std Dev 0

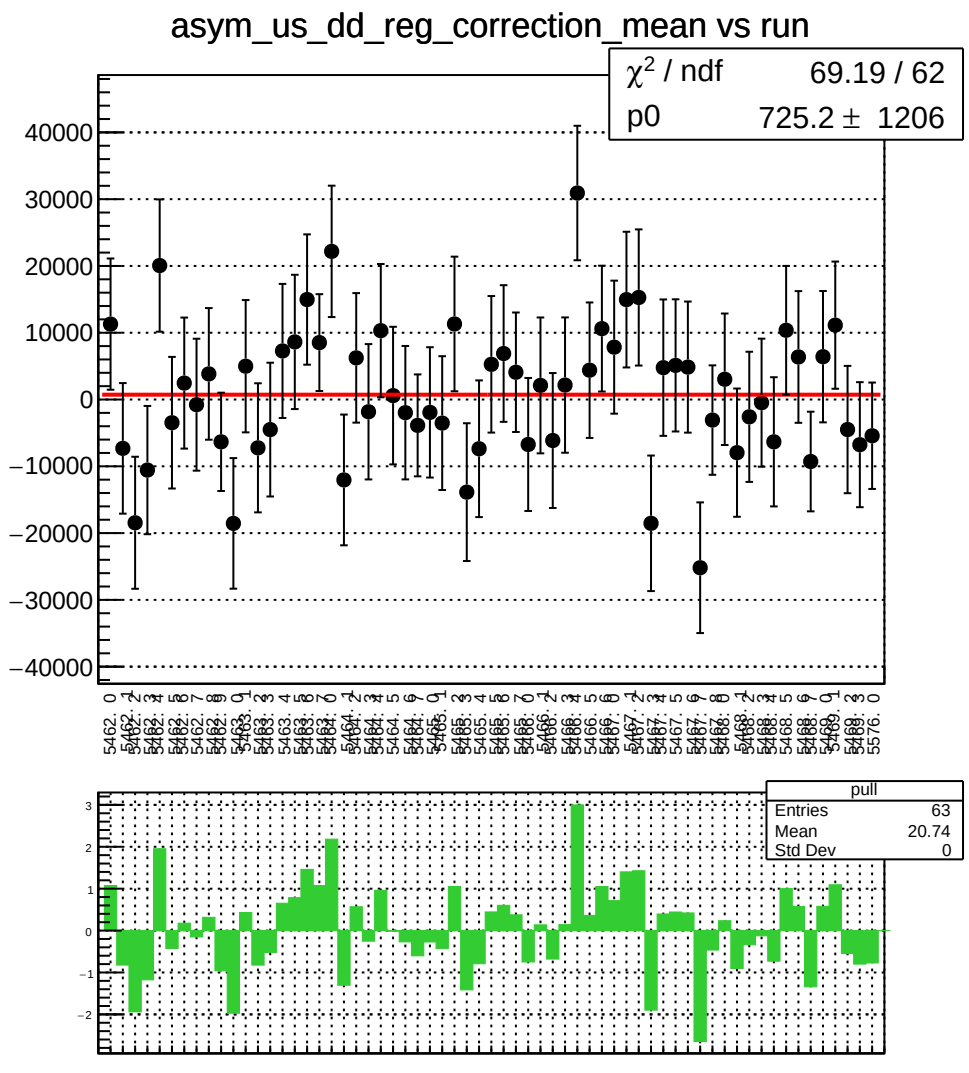

pull1D
Entries 63
Mean 0.04388
Std Dev 1.197

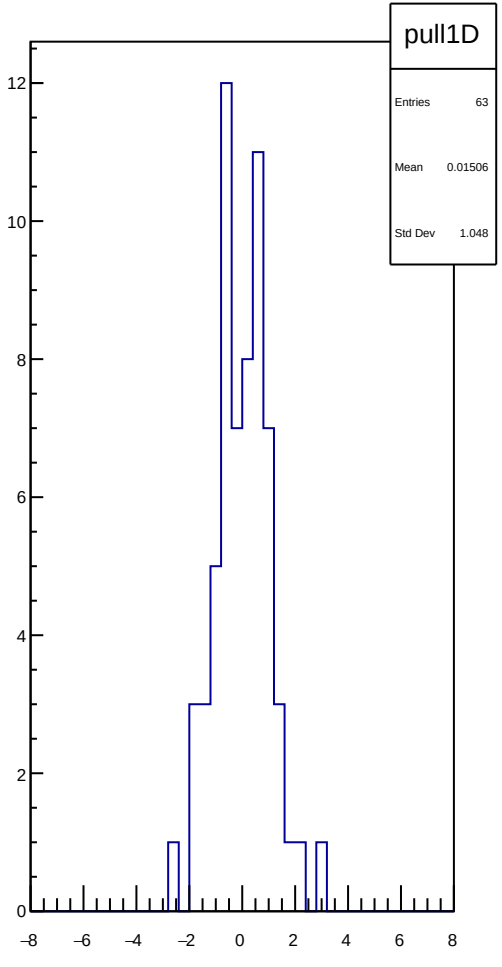

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.289e+04 / 62
p0 27.16 ± 0.02535
50
45
40
35
30
25
20

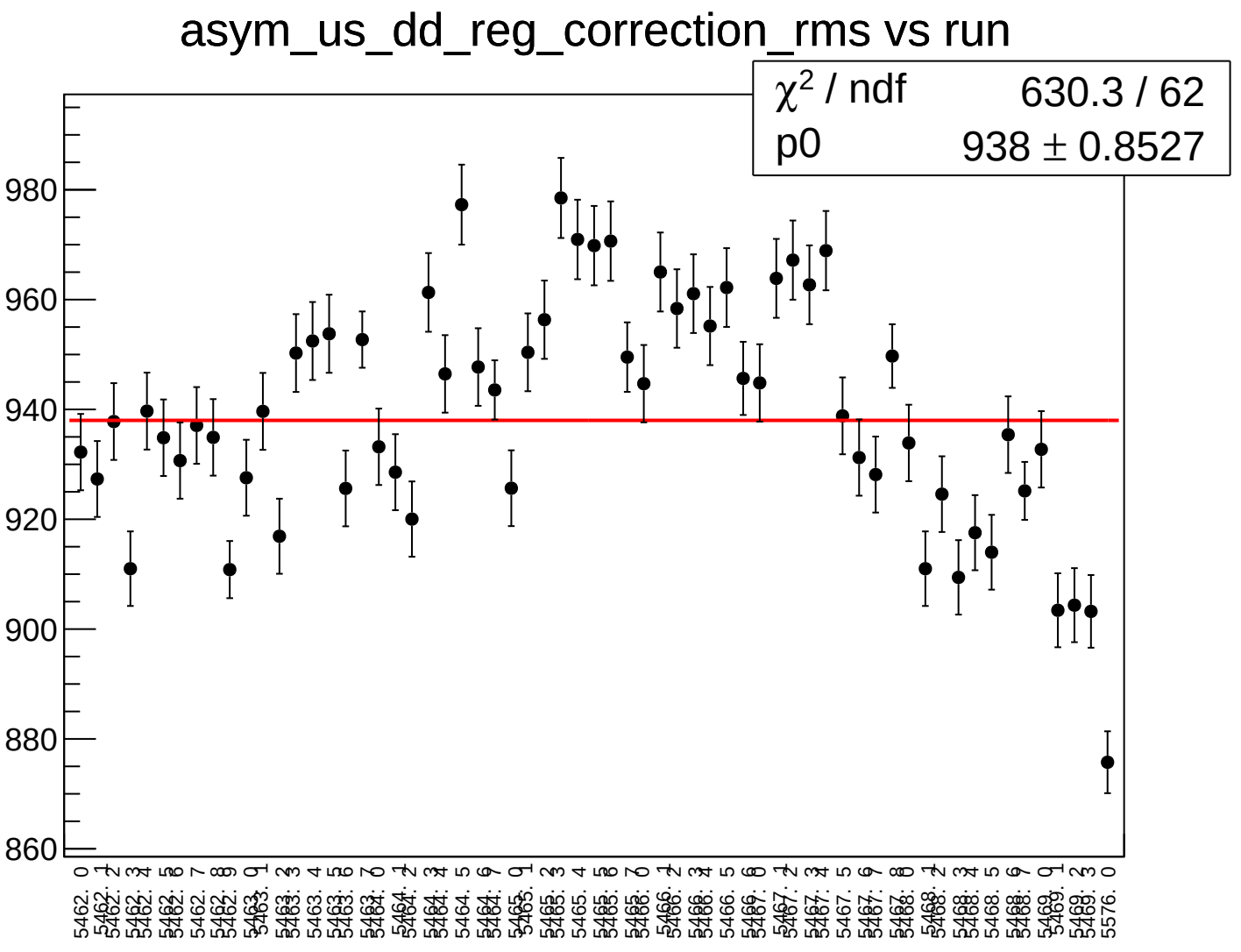

reg_asym_us_dd_mean vs run
χ² / ndf 61.2 / 62
p0 −78.62 ± 985.4
pull
Entries 63
Mean −72.67
Std Dev 0

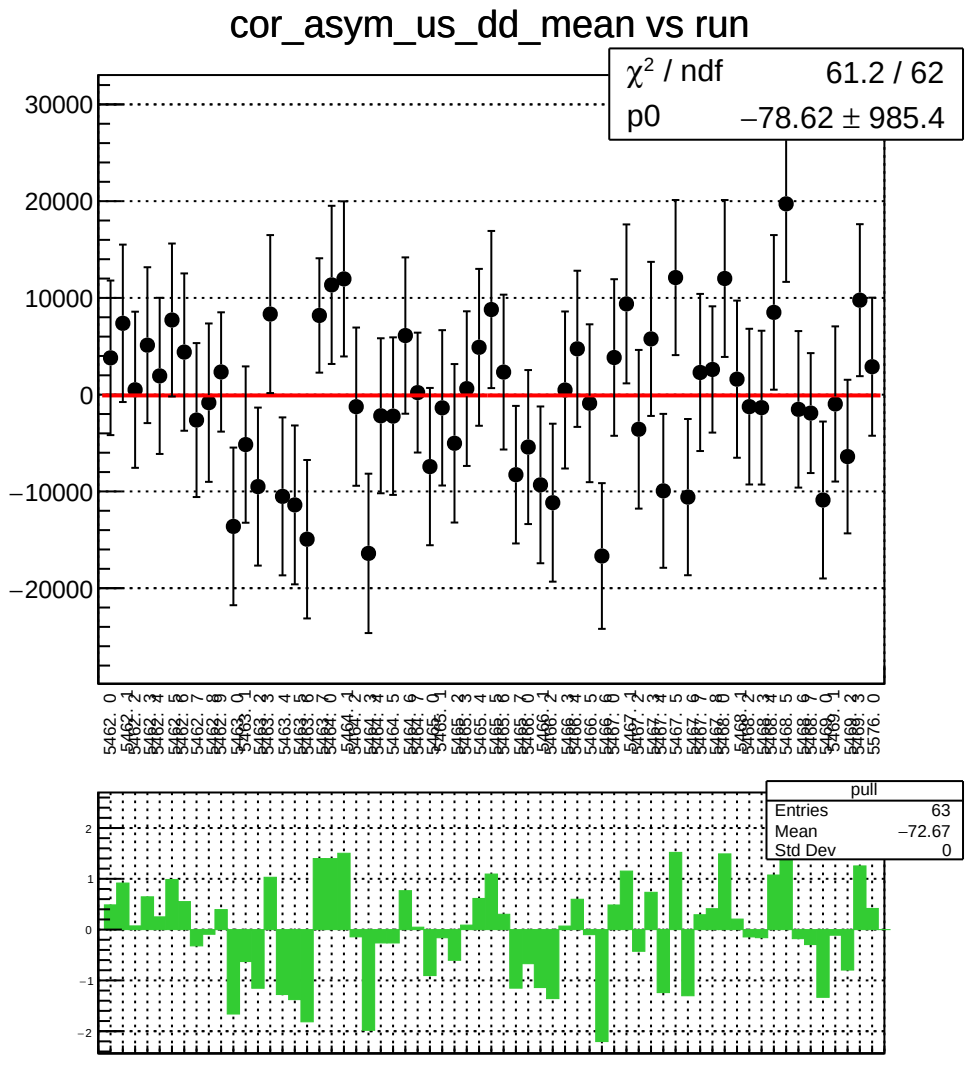

pull1D
Entries 63
Mean −0.008838
Std Dev 0.9856

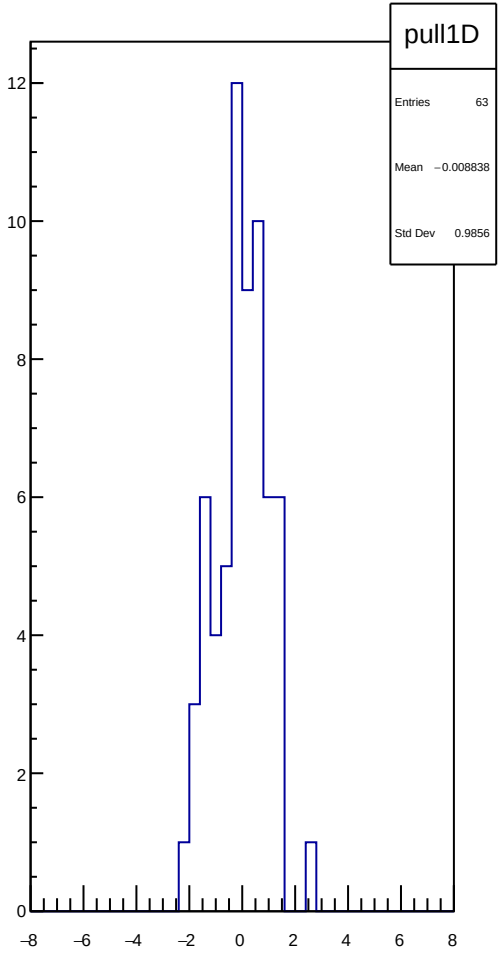

reg_asym_us_dd_rms vs run
χ² / ndf 137.9 / 62
p0 766.7 ± 0.6968
790
780
770
760
750
740

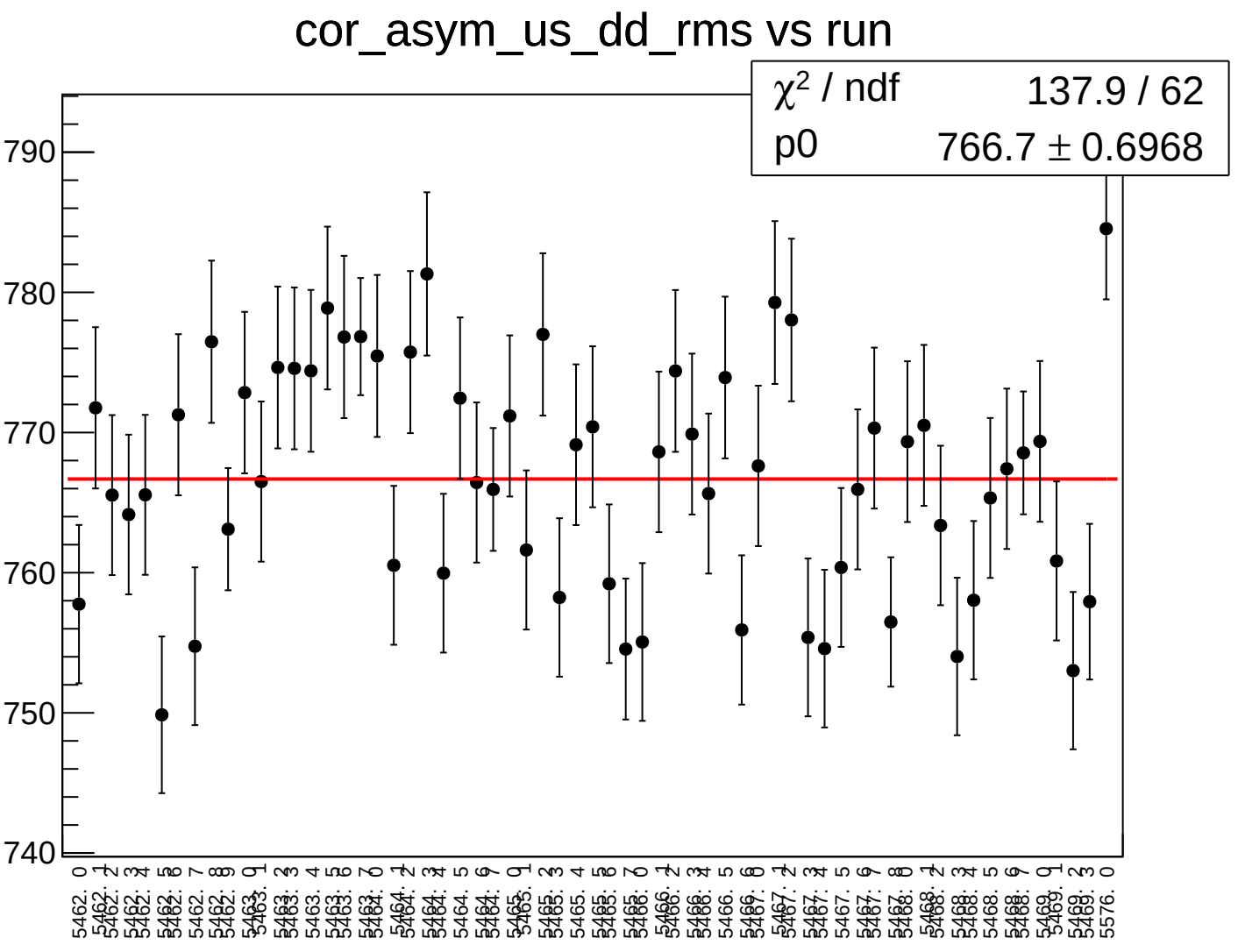

asym_us_dd_reg_correction_mean vs run
χ² / ndf 69.19 / 62
p0 725.2 ± 1206
pull
Entries 63
Mean 20.74
Std Dev 0

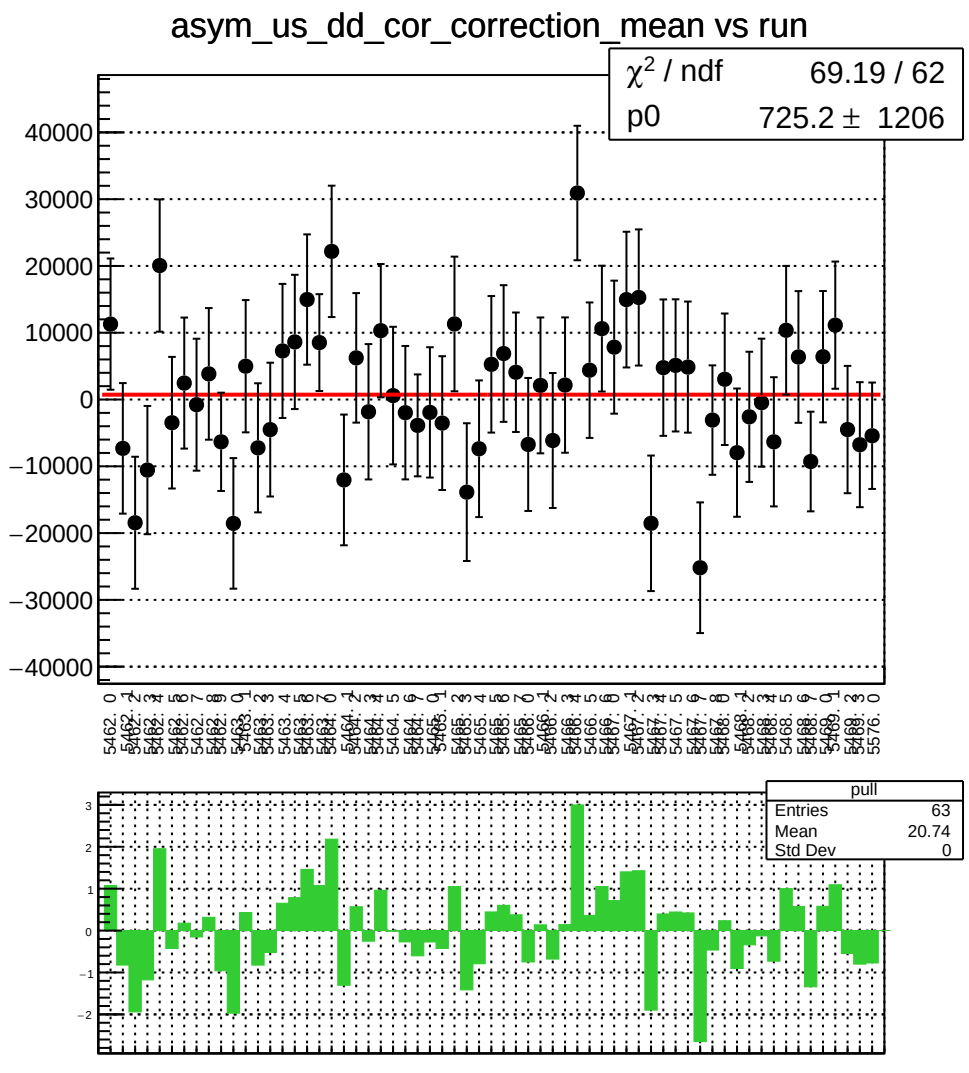

pull1D
Entries 63
Mean 0.01506
Std Dev 1.048

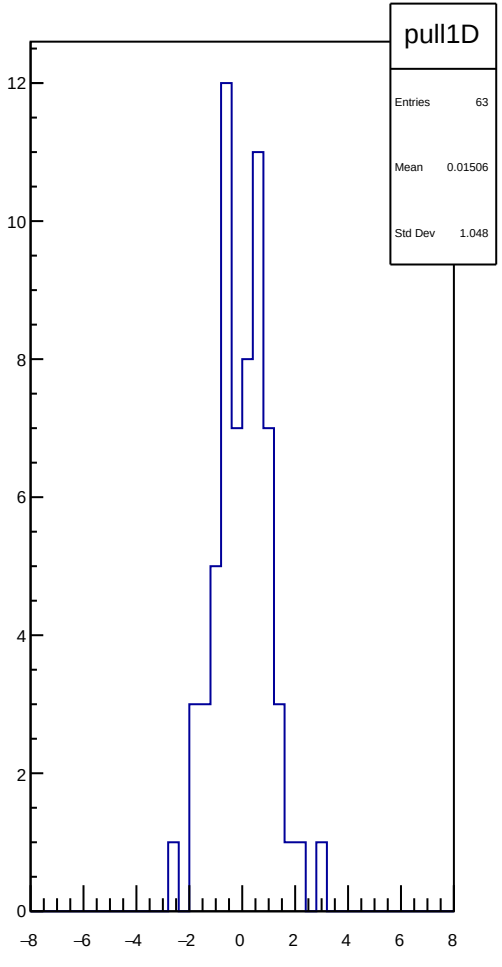

asym_us_dd_reg_correction_rms vs run
χ² / ndf 630.3 / 62
p0 938 ± 0.8527
980
960
940
920
900
880
860
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

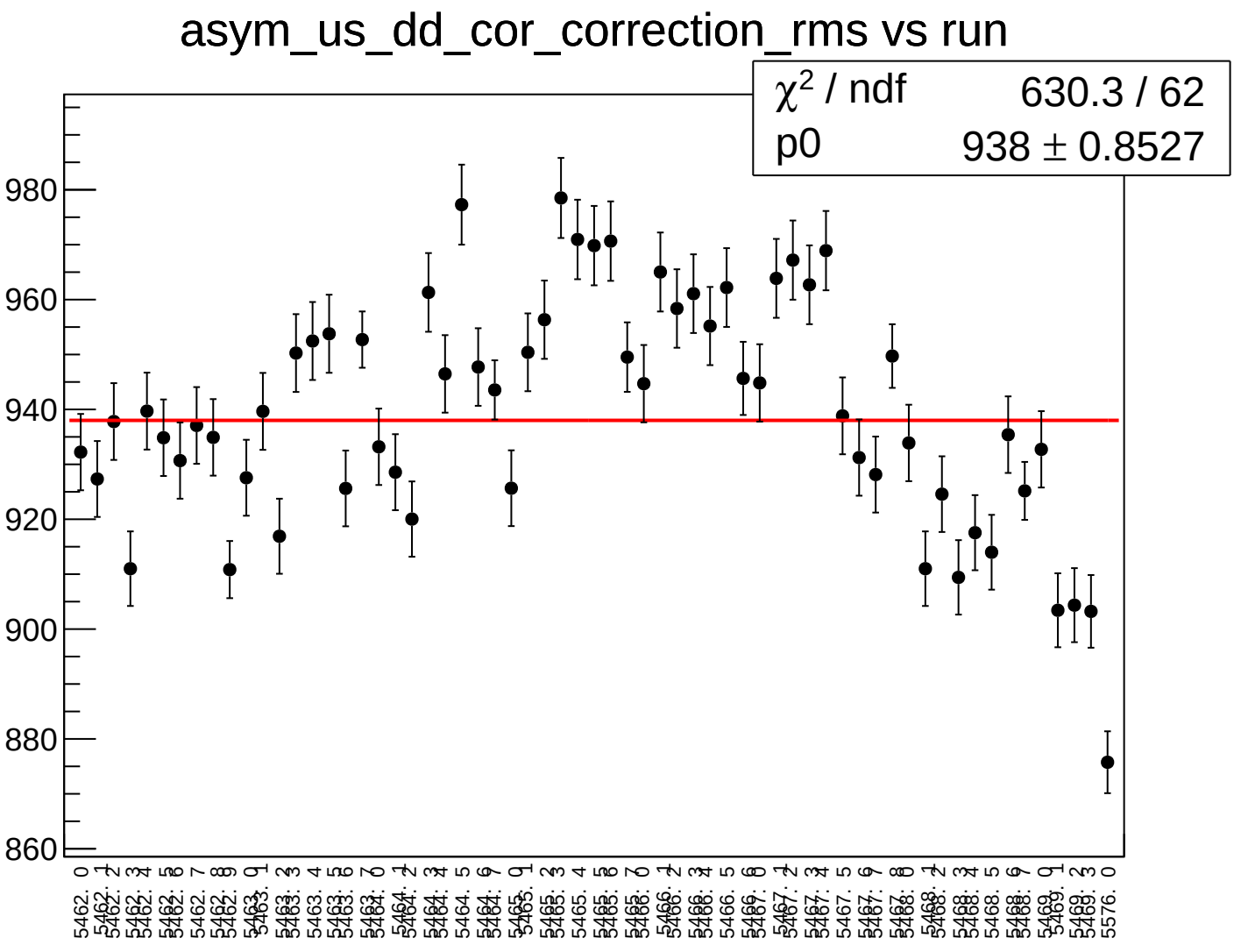

cor_asym_us_dd_mean vs run
χ² / ndf 61.2 / 62
p0 −78.62 ± 985.4
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −72.67
Std Dev 0
2
1
0
−1
−2

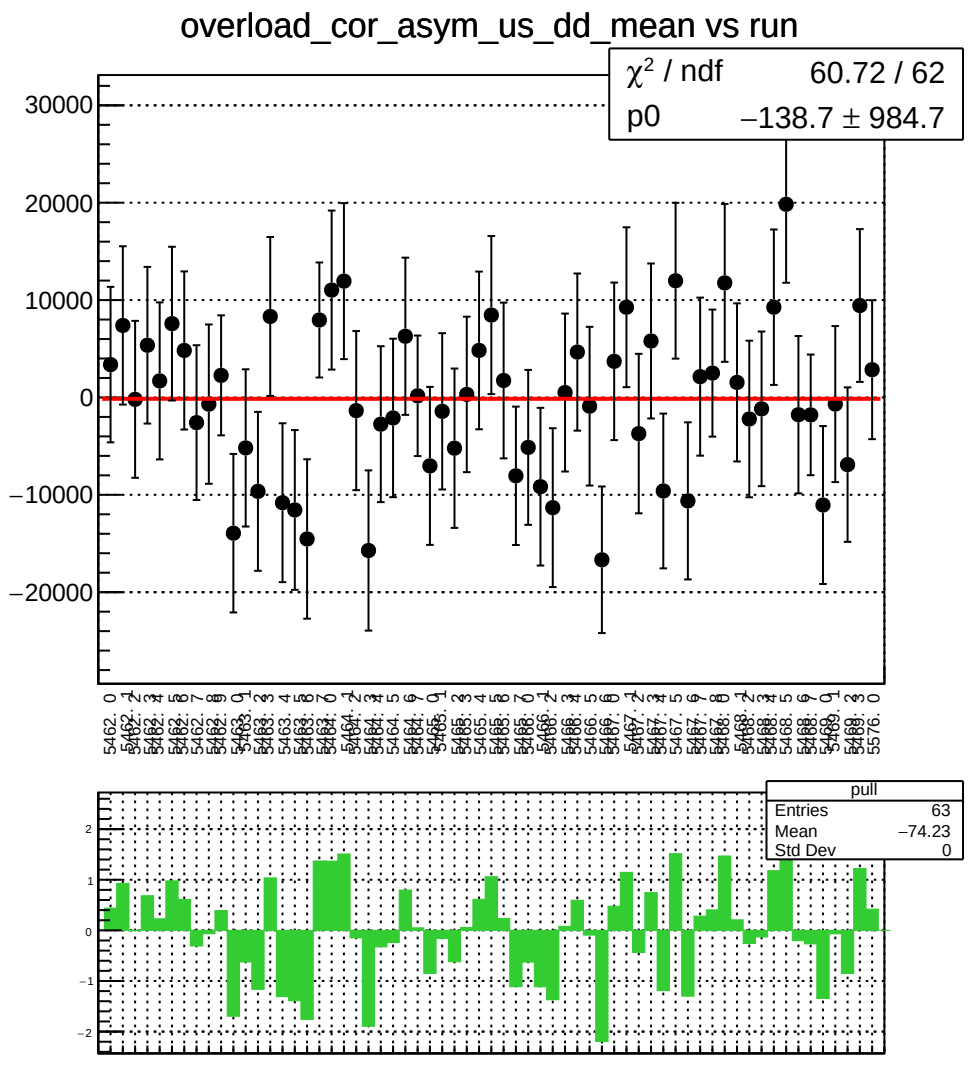

pull1D
Entries 63
Mean −0.008838
Std Dev 0.9856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

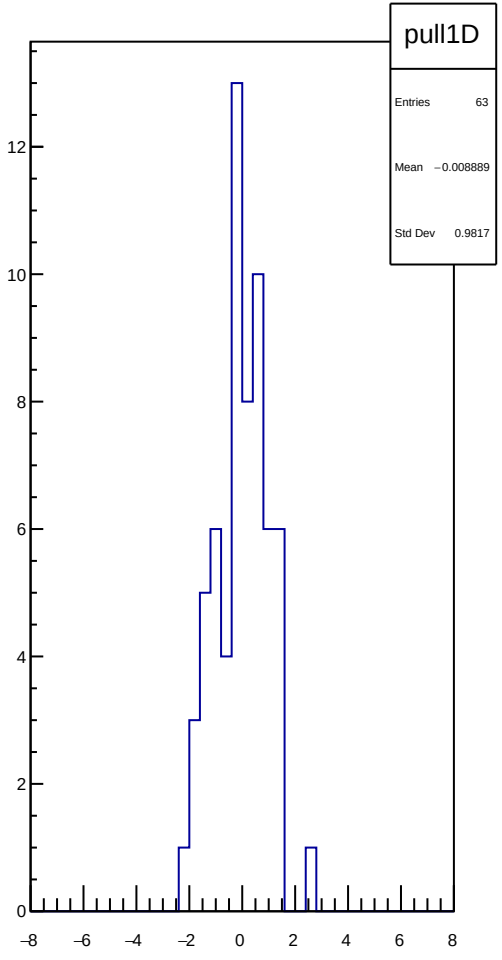

cor_asym_us_dd_rms vs run
χ² / ndf 137.9 / 62
p0 766.7 ± 0.6968
790
780
770
760
750
740

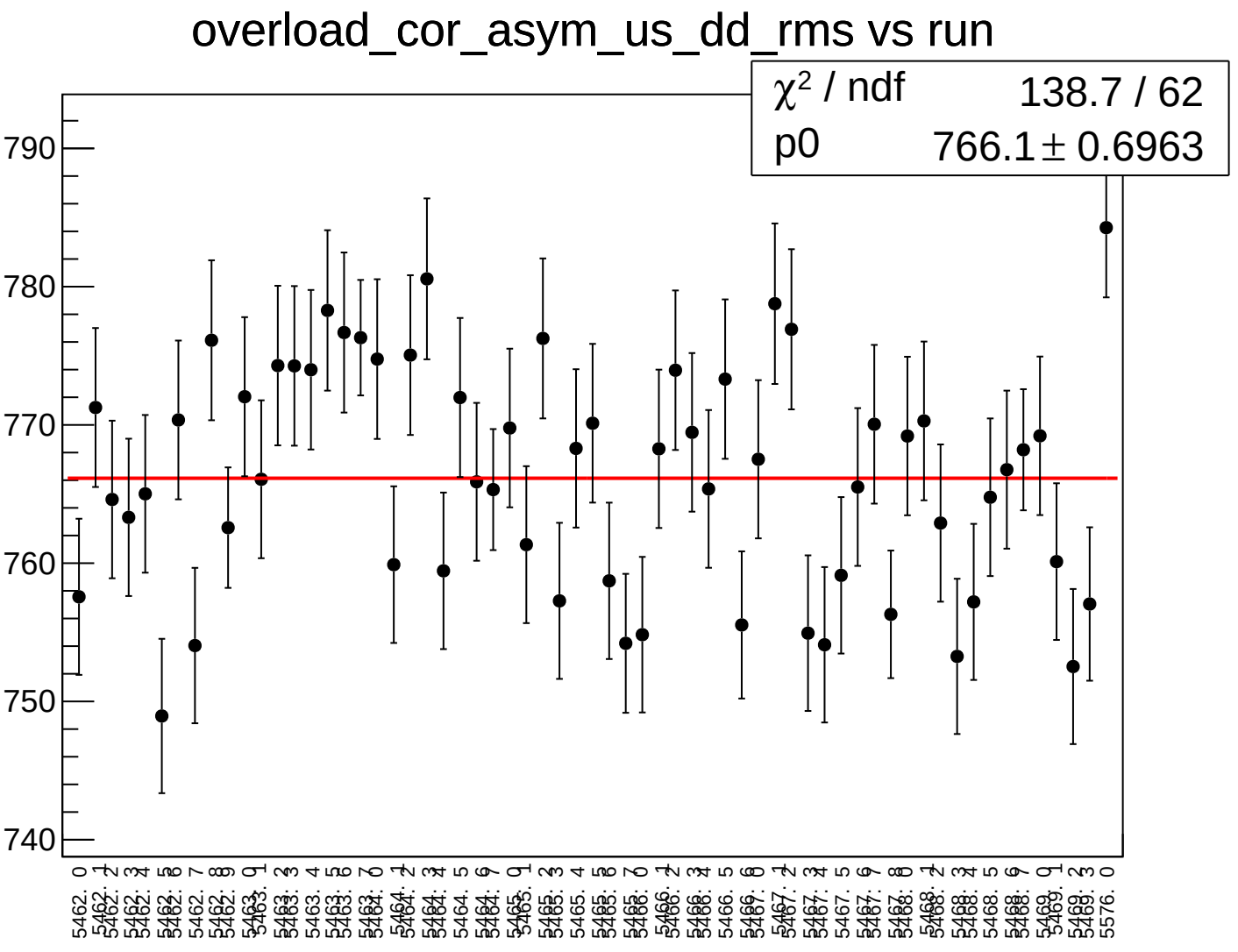

asym_us_dd_cor_correction_mean vs run
χ² / ndf 69.19 / 62
p0 725.2 ± 1206
pull
Entries 63
Mean 20.74
Std Dev 0

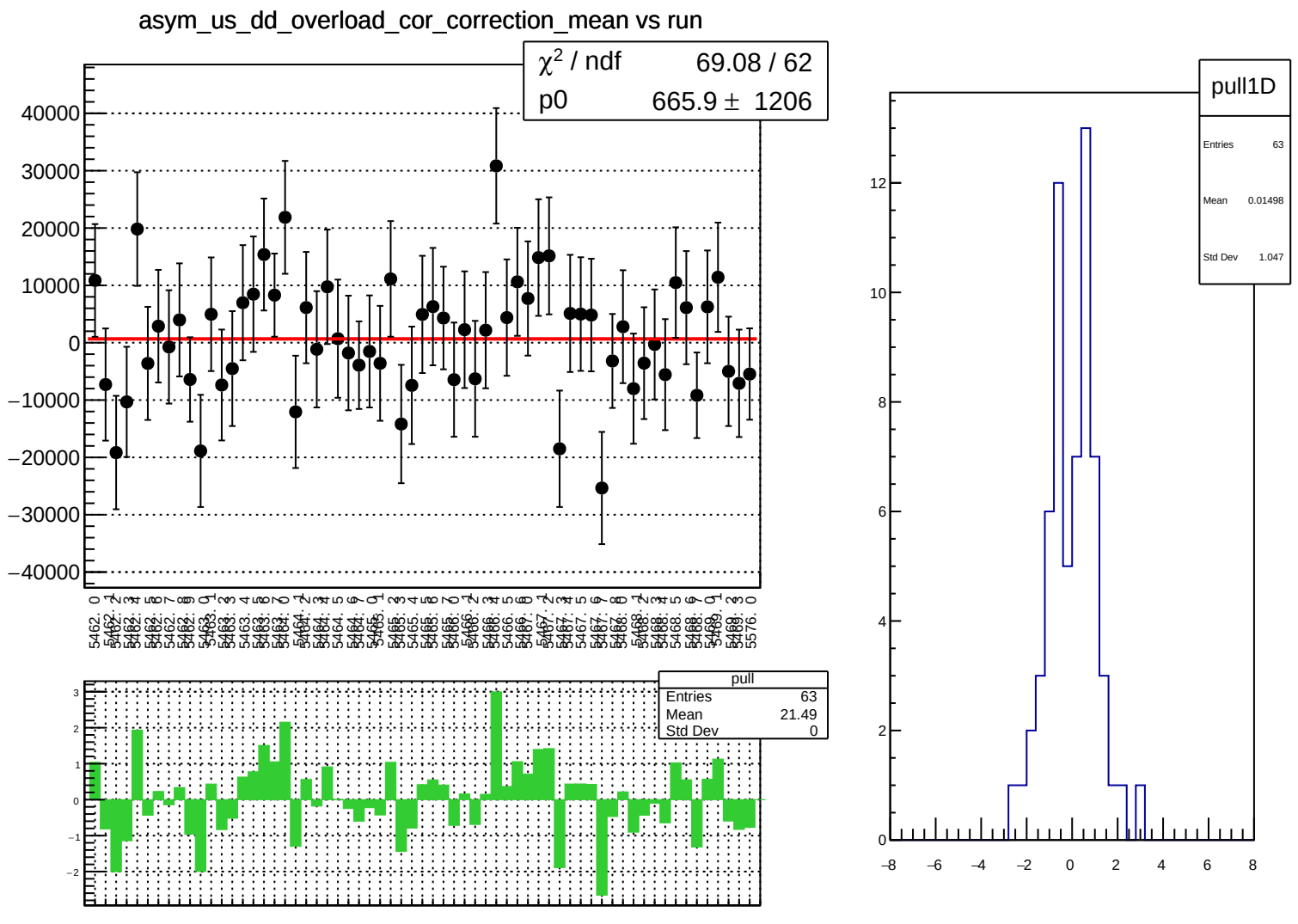

pull1D
Entries 63
Mean 0.01506
Std Dev 1.048

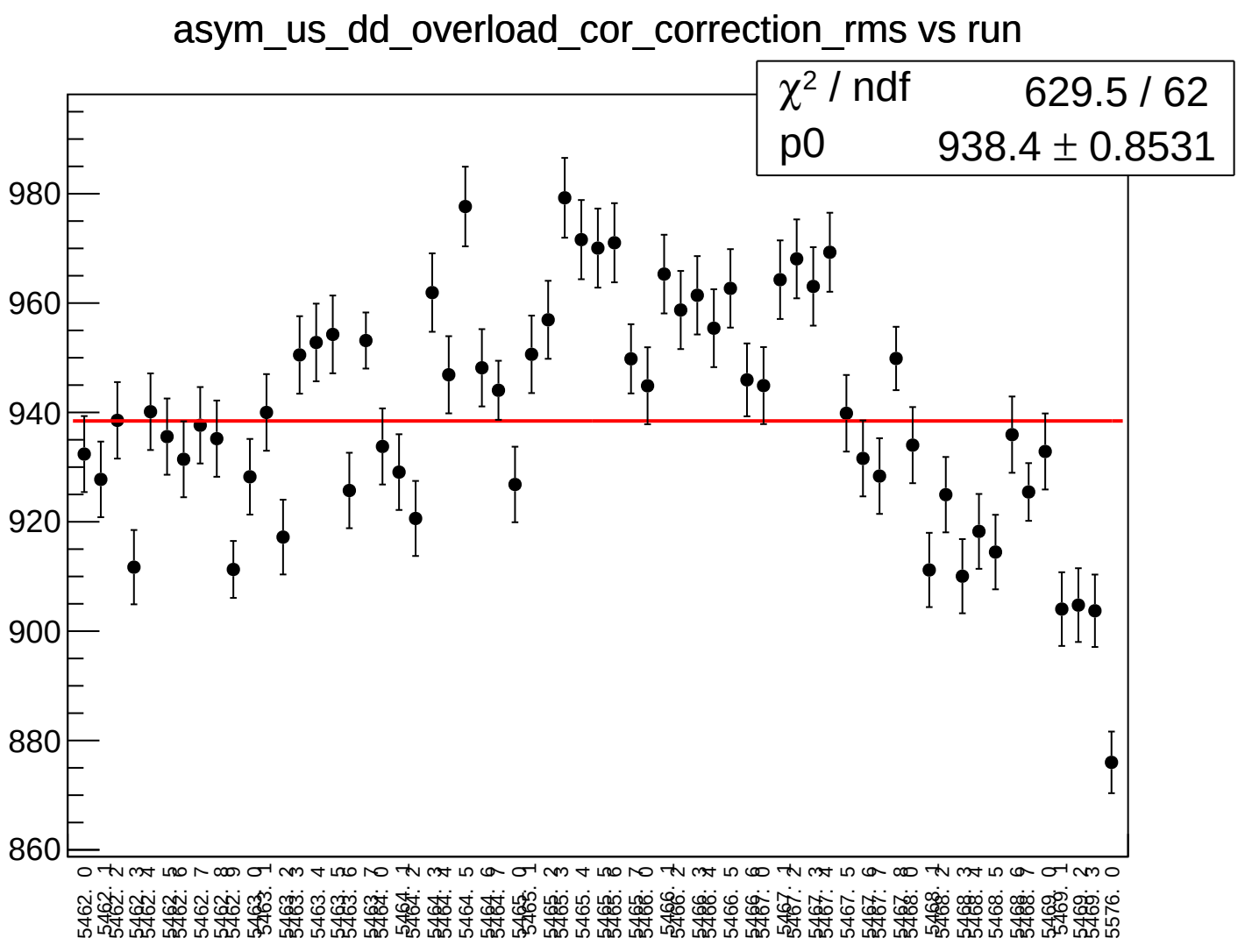

asym_us_dd_cor_correction_rms vs run
χ² / ndf 630.3 / 62
p0 938 ± 0.8527
980
960
940
920
900
880
860
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

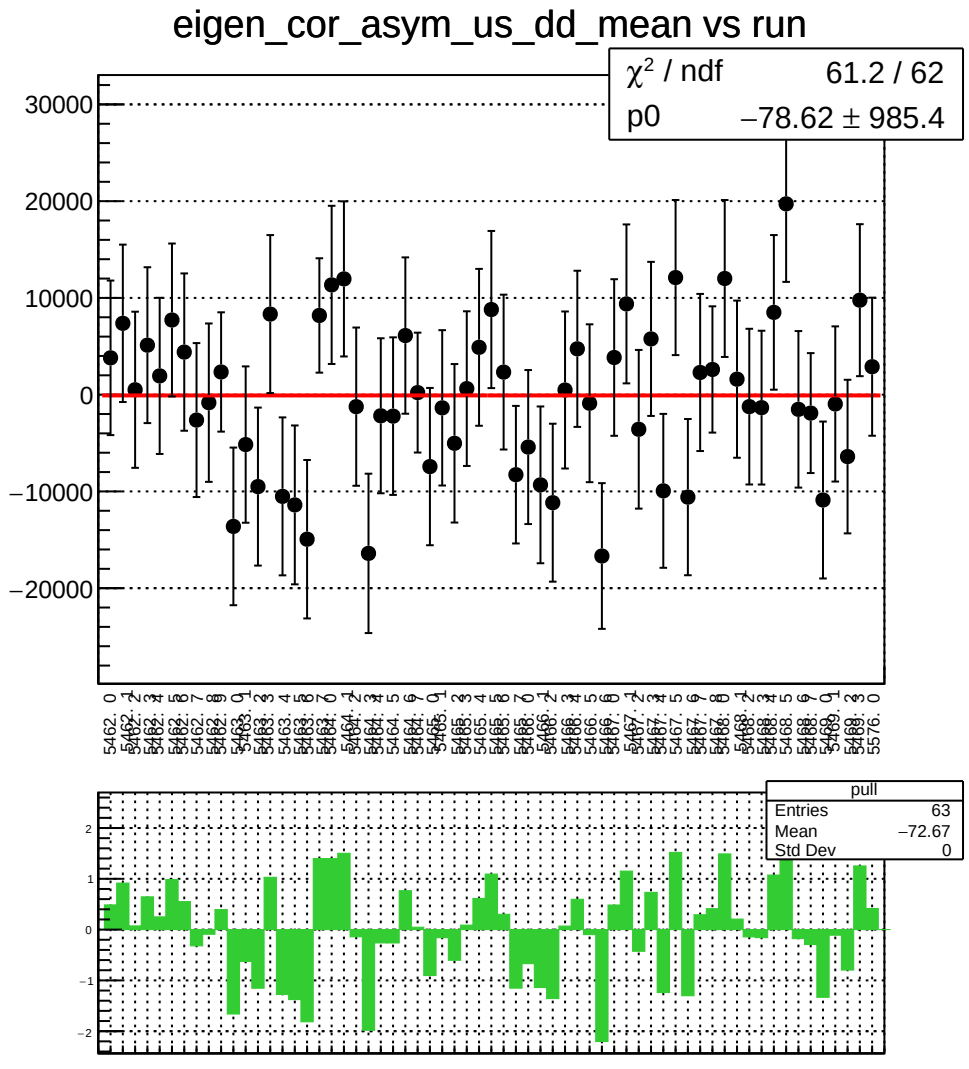

overload_cor_asym_us_dd_mean vs run
χ² / ndf 60.72 / 62
p0 −138.7 ± 984.7
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −74.23
Std Dev 0
2
1
0
−1
−2

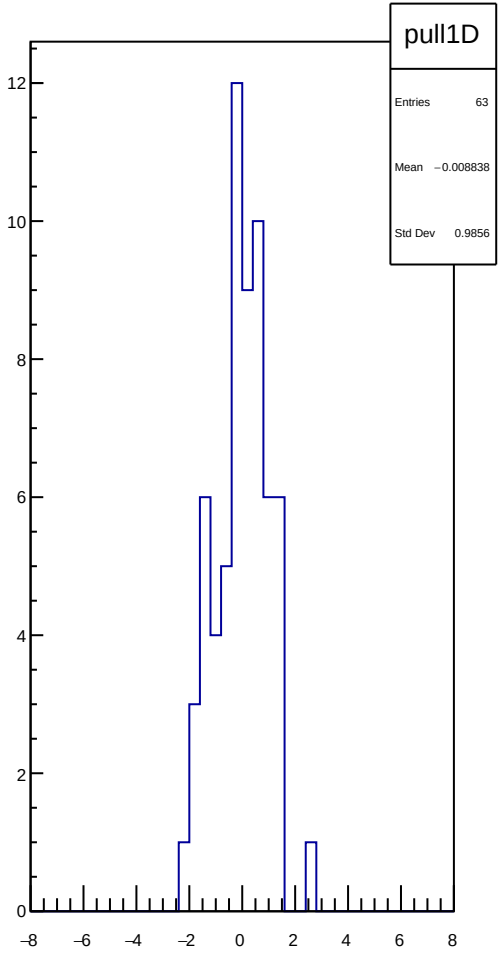

pull1D
Entries 63
Mean −0.008889
Std Dev 0.9817
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

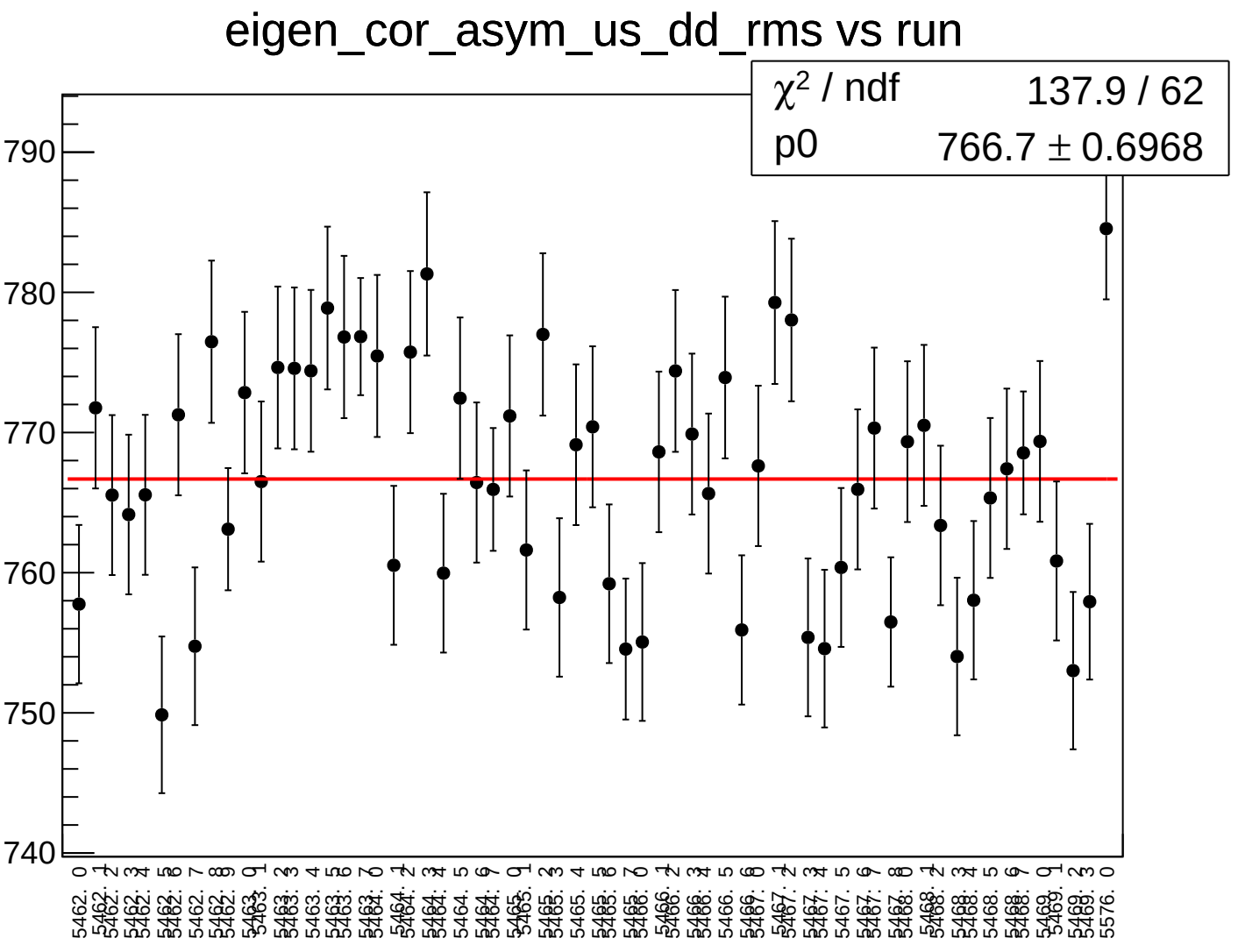

overload_cor_asym_us_dd_rms vs run
χ² / ndf 138.7 / 62
p0 766.1 ± 0.6963
790
780
770
760
750
740

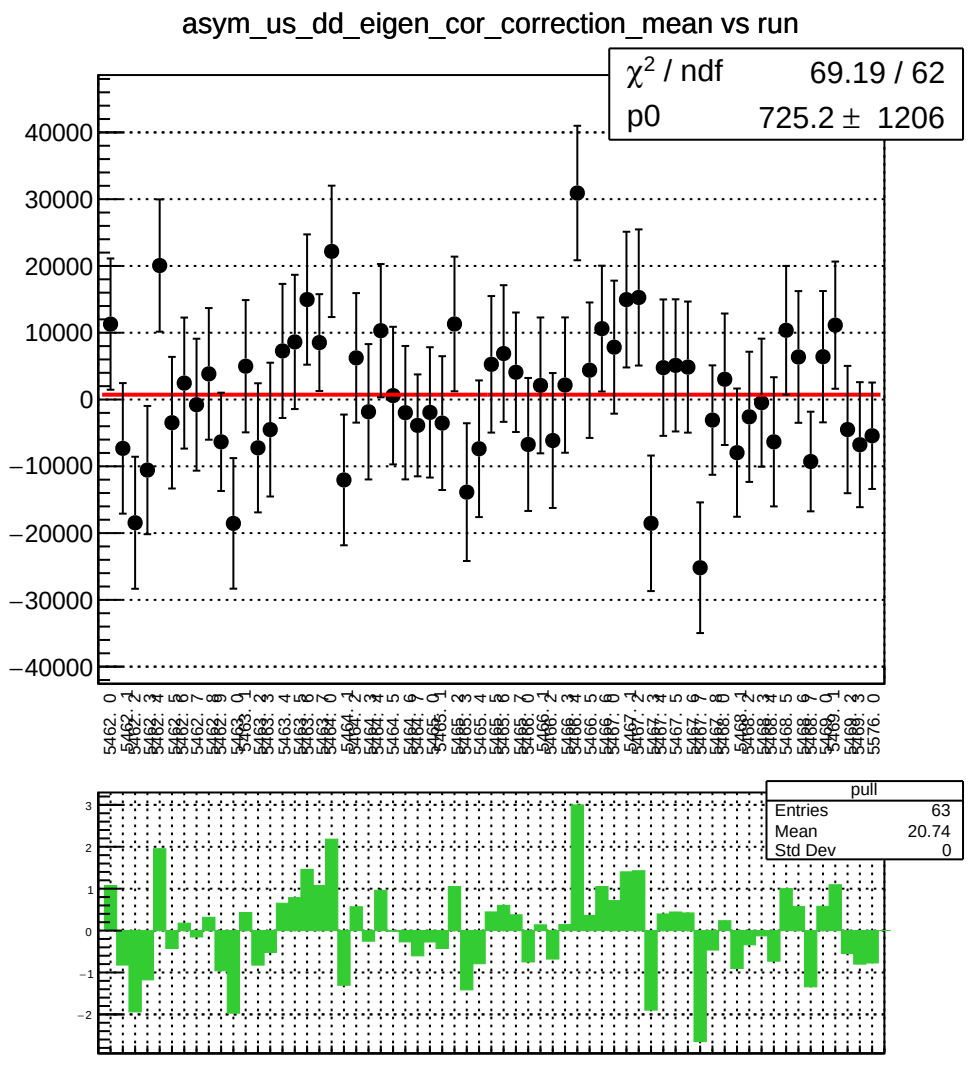

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 69.08 / 62
p0 665.9 ± 1206
pull
Entries 63
Mean 21.49
Std Dev 0
pull1D
Entries 63
Mean 0.01498
Std Dev 1.047

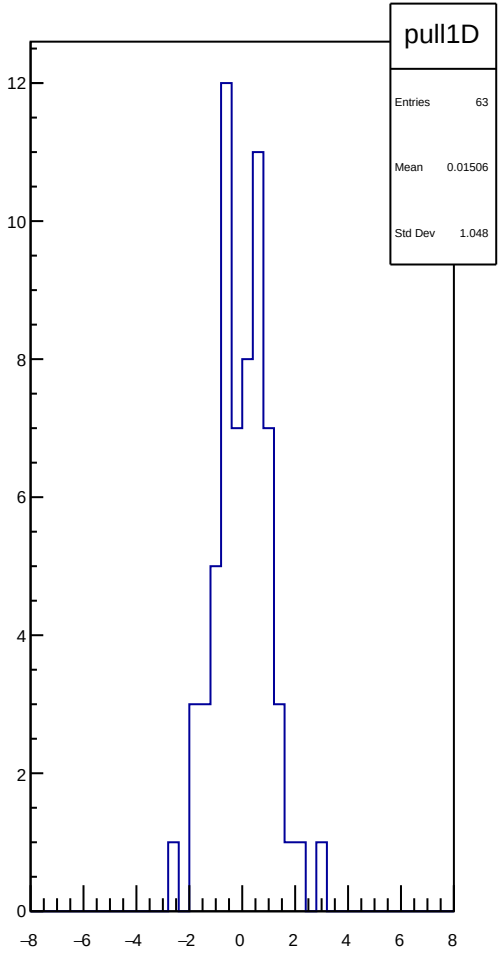

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 629.5 / 62
p0 938.4 ± 0.8531
980
960
940
920
900
880
860
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

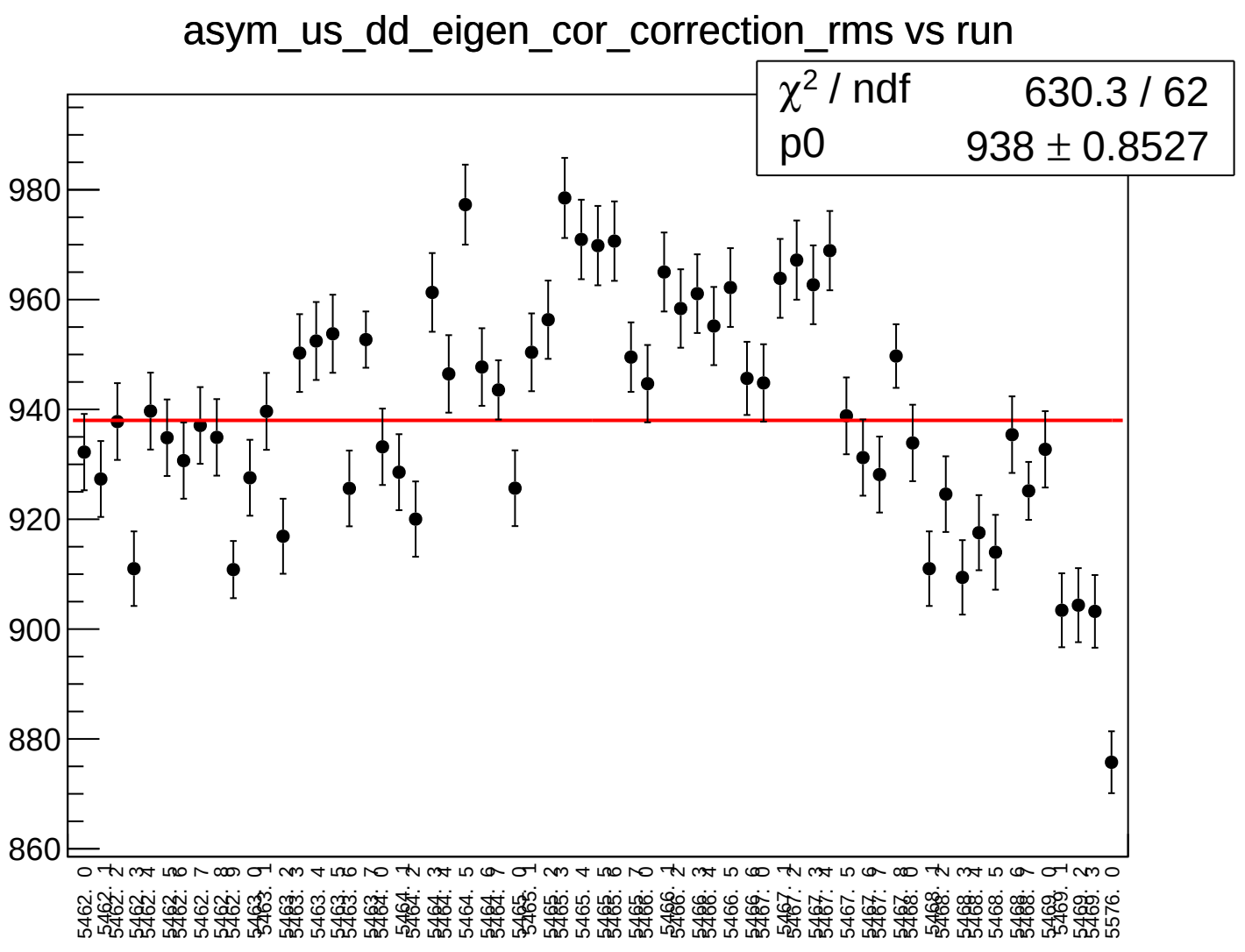

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 61.2 / 62
p0 −78.62 ± 985.4
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −72.67
Std Dev 0
2
1
0
−1
−2

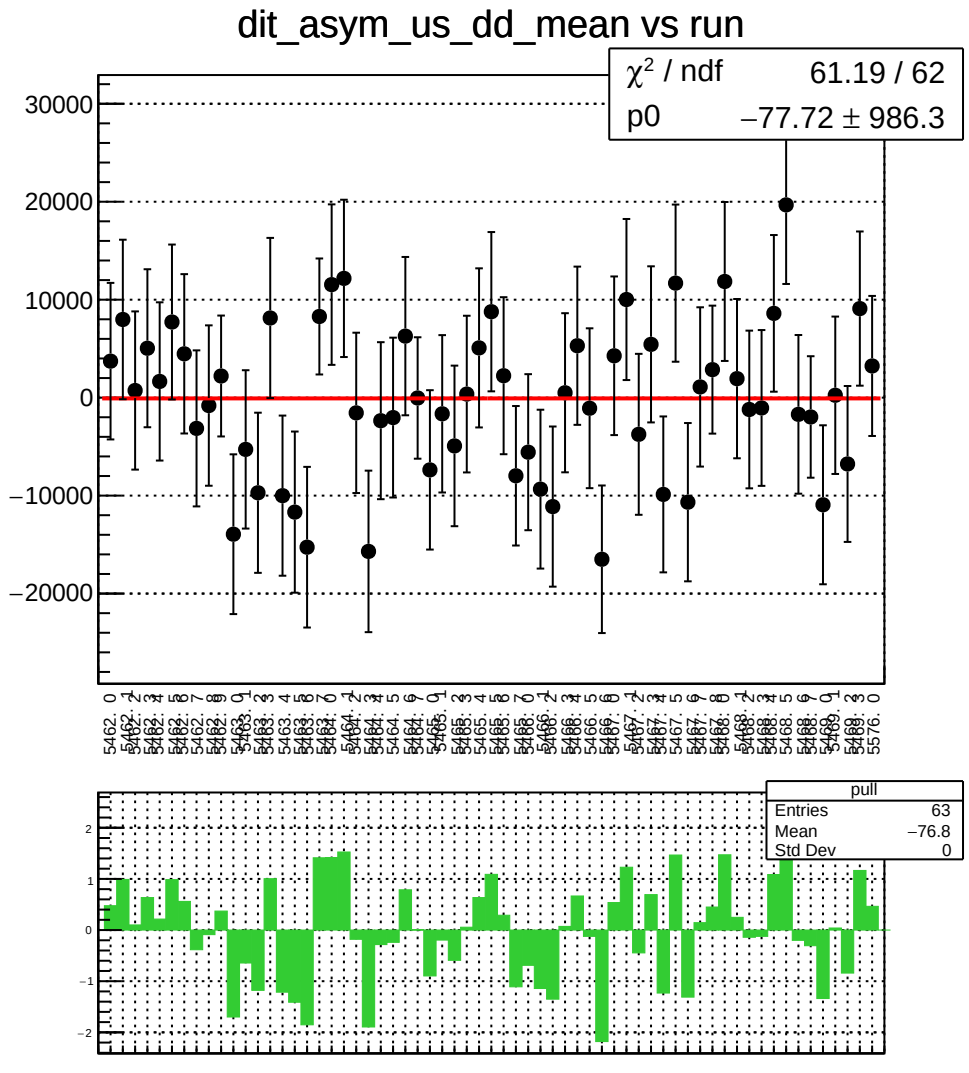

pull1D
Entries 63
Mean −0.008838
Std Dev 0.9856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

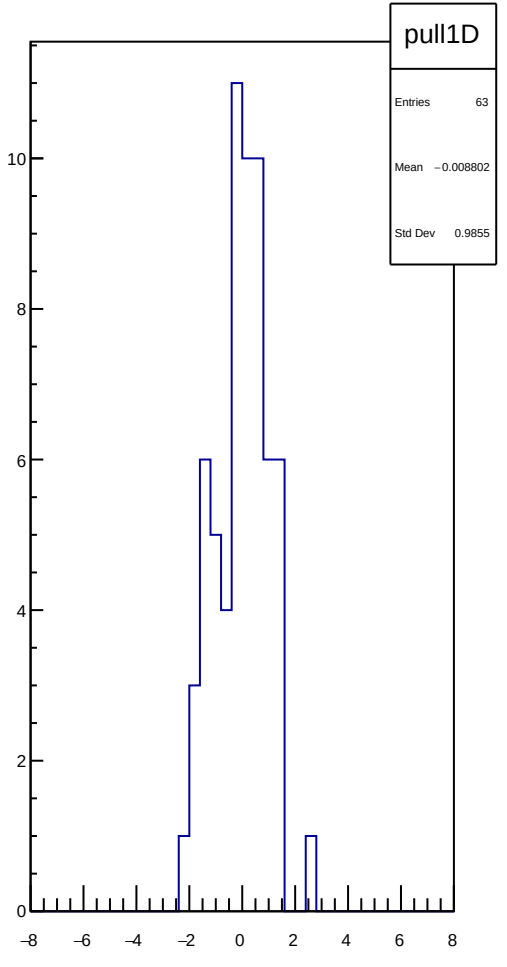

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 137.9 / 62
p0 766.7 ± 0.6968
790
780
770
760
750
740

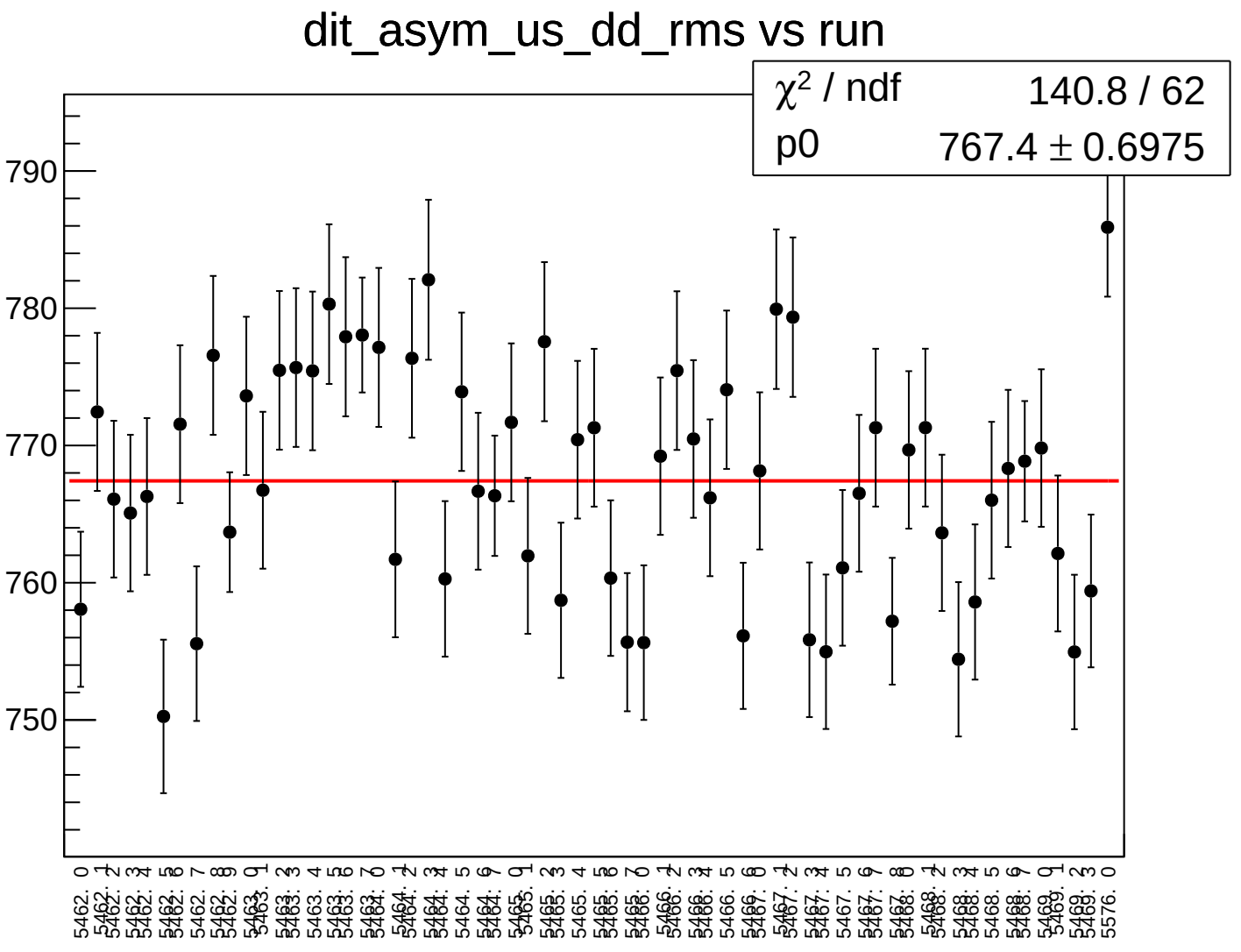

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.19 / 62
p0 725.2 ± 1206
pull
Entries 63
Mean 20.74
Std Dev 0

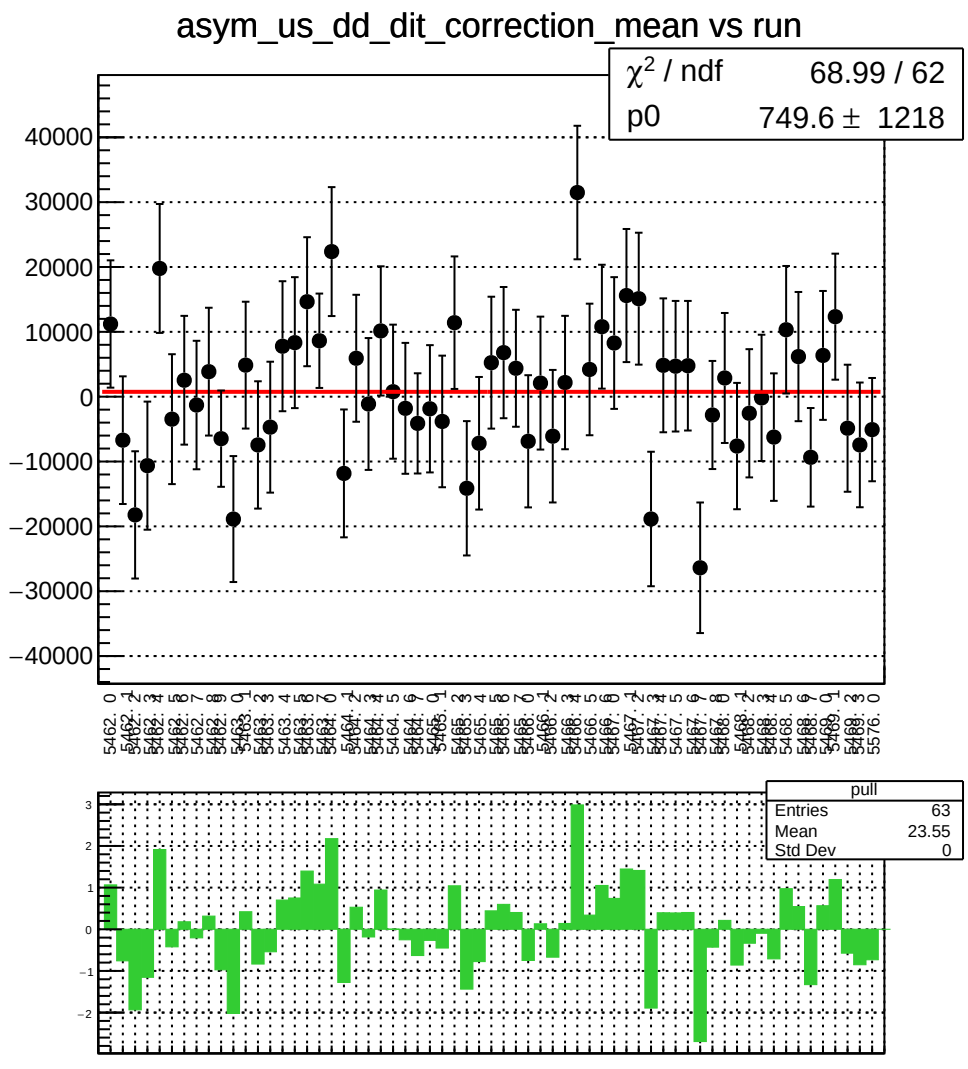

pull1D
Entries 63
Mean 0.01506
Std Dev 1.048

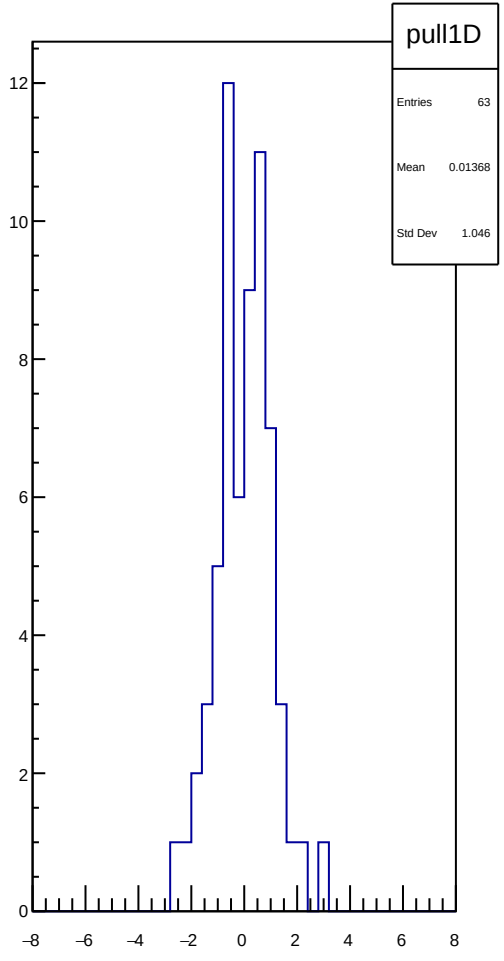

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 630.3 / 62
p0 938 ± 0.8527
980
960
940
920
900
880
860

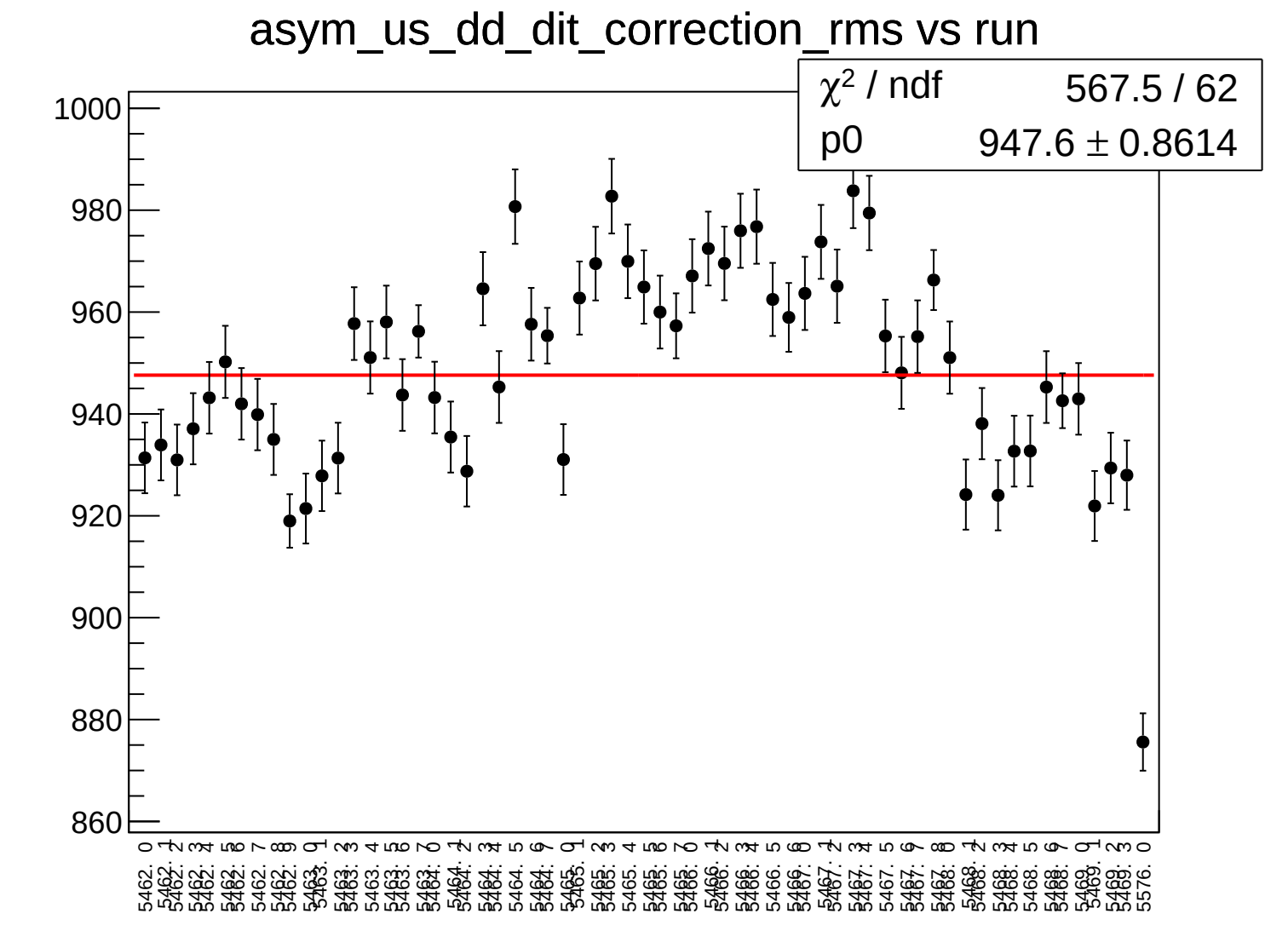

dit_asym_us_dd_mean vs run
χ² / ndf 61.19 / 62
p0 −77.72 ± 986.3
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −76.8
Std Dev 0
2
1
0
−1
−2

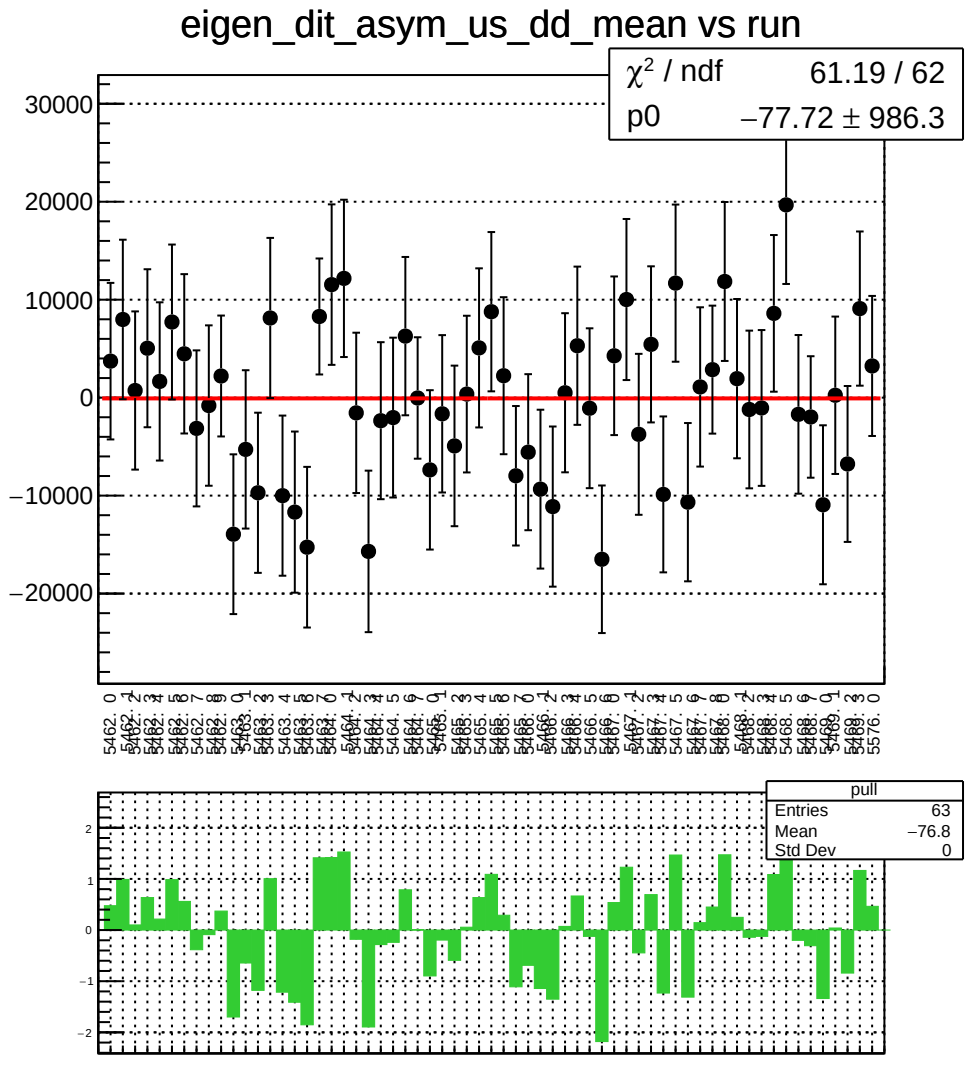

pull1D
Entries 63
Mean −0.008802
Std Dev 0.9855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

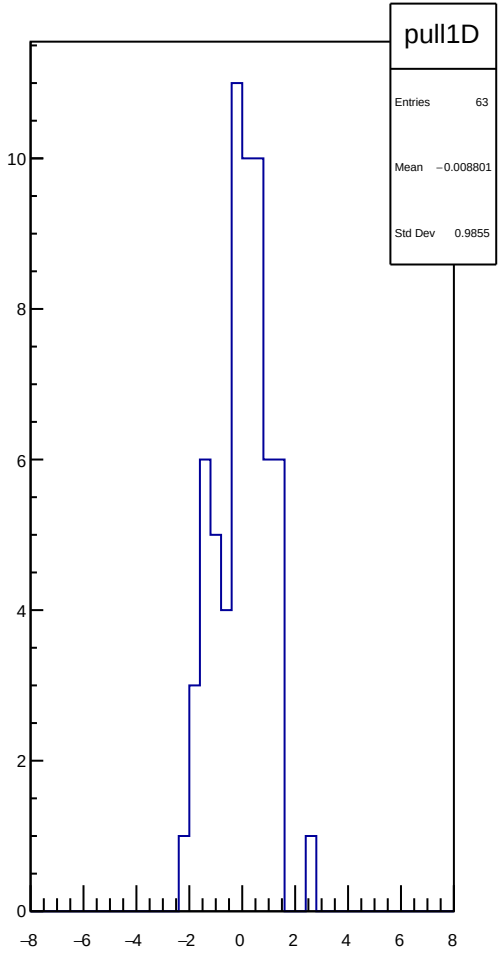

dit_asym_us_dd_rms vs run
χ² / ndf 140.8 / 62
p0 767.4 ± 0.6975
790
780
770
760
750

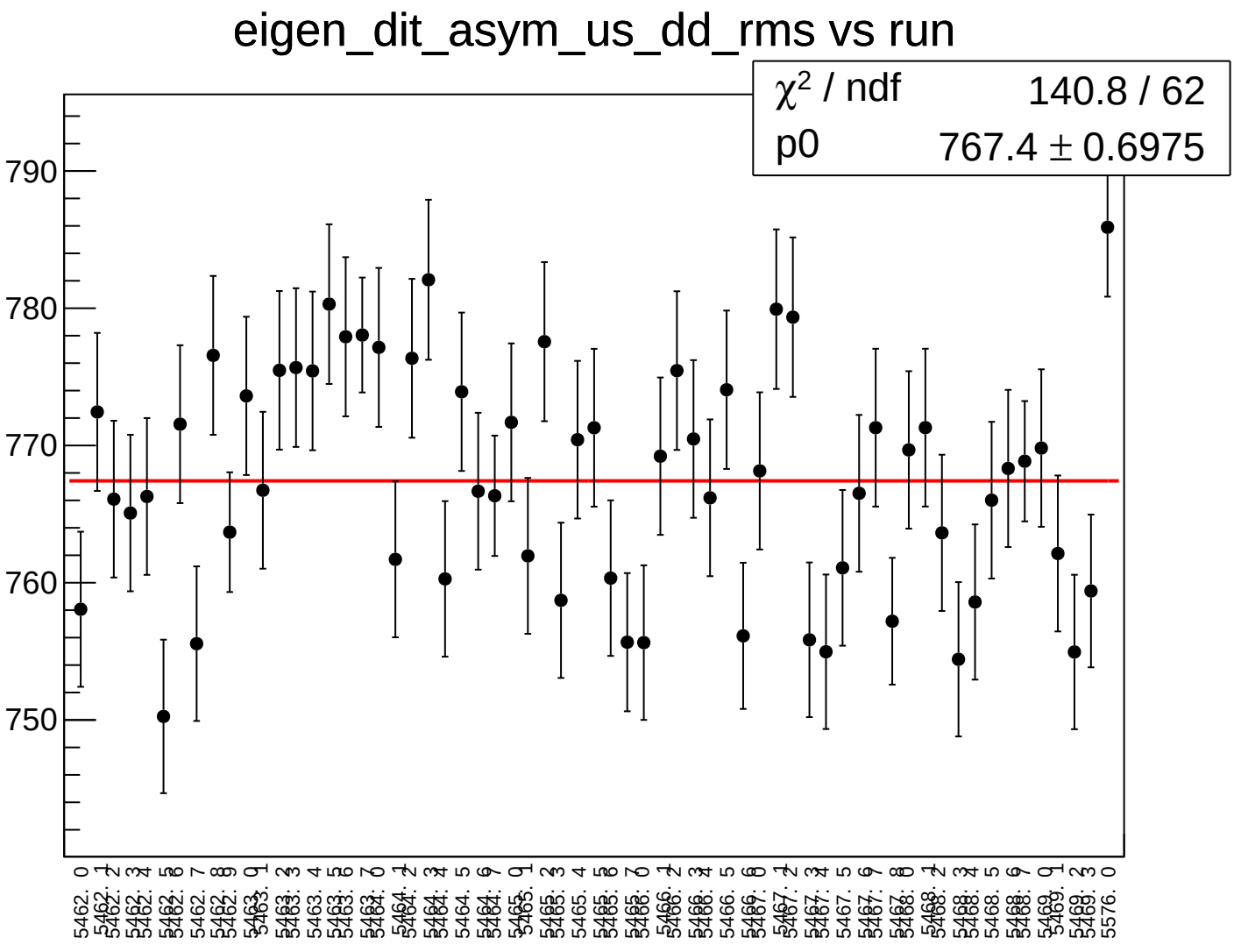

asym_us_dd_dit_correction_mean vs run
χ² / ndf 68.99 / 62
p0 749.6 ± 1218
pull
Entries 63
Mean 23.55
Std Dev 0


pull1D
Entries 63
Mean 0.01368
Std Dev 1.046


asym_us_dd_dit_correction_rms vs run
χ² / ndf 567.5 / 62
p0 947.6 ± 0.8614
1000
980
960
940
920
900
880
860


eigen_dit_asym_us_dd_mean vs run
χ² / ndf 61.19 / 62
p0 −77.72 ± 986.3
pull
Entries 63
Mean −76.8
Std Dev 0


pull1D
Entries 63
Mean −0.008801
Std Dev 0.9855


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 140.8 / 62
p0 767.4 ± 0.6975
790
780
770
760
750
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
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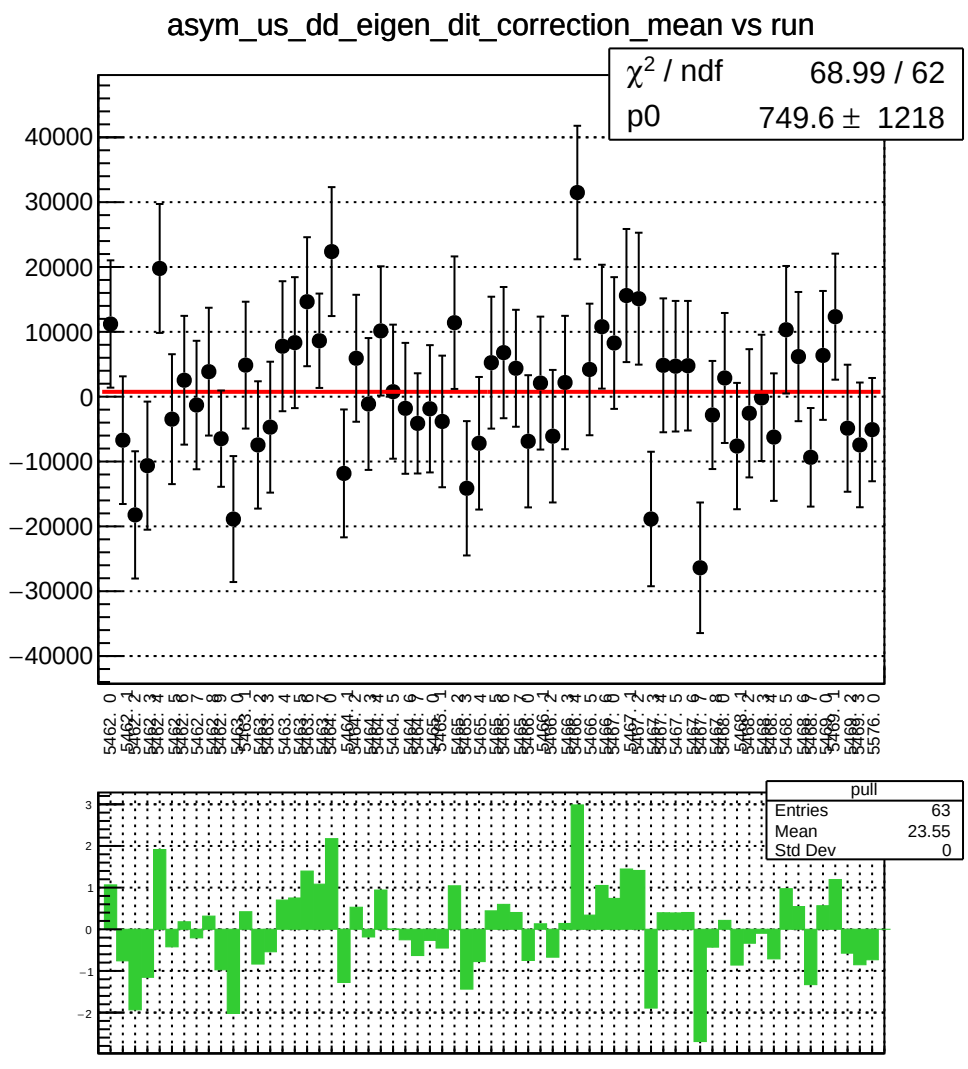
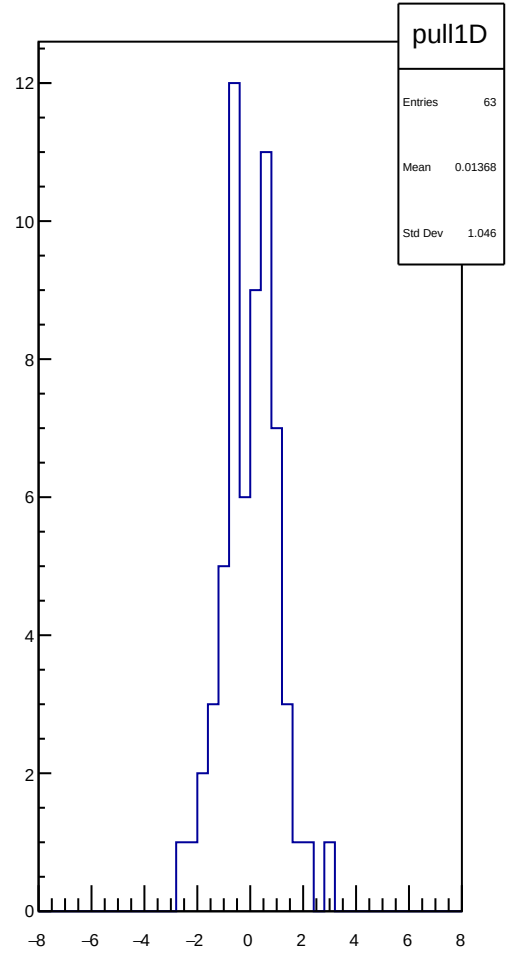
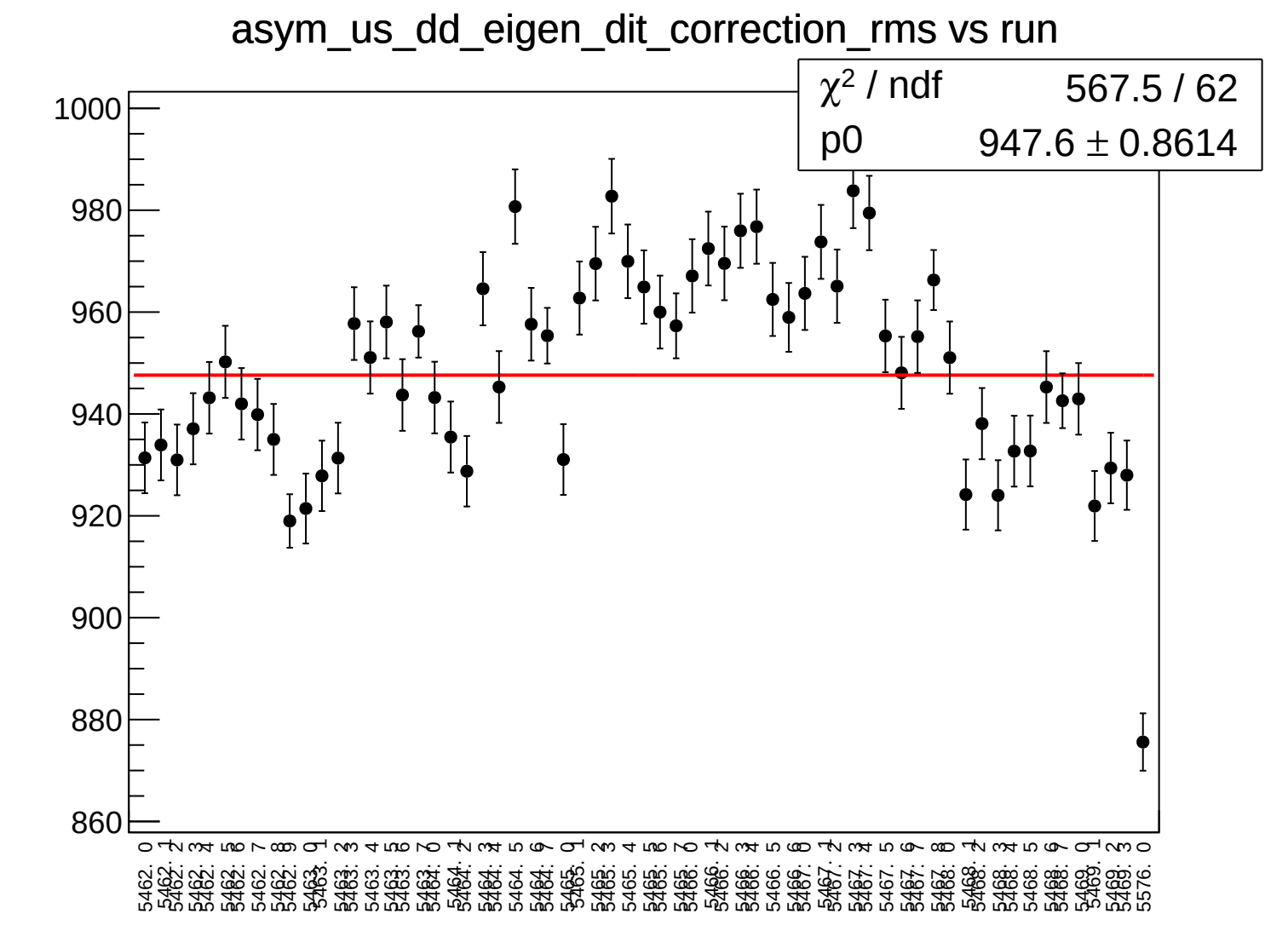
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.99 / 62
p0 749.6 ± 1218
pull
Entries 63
Mean 23.55
Std Dev 0


pull1D
Entries 63
Mean 0.01368
Std Dev 1.046


asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 567.5 / 62
p0 947.6 ± 0.8614
1000
980
960
940
920
900
880
860
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
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5466. 1
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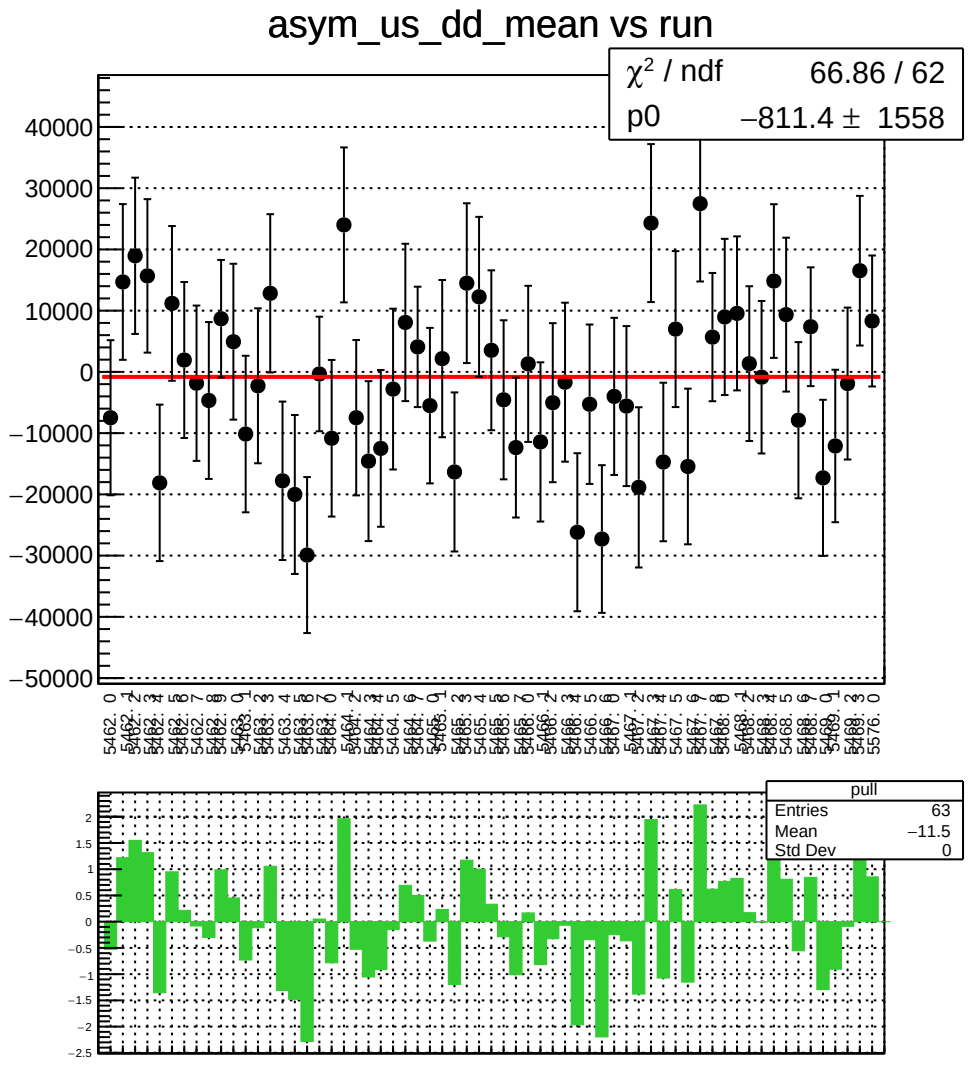
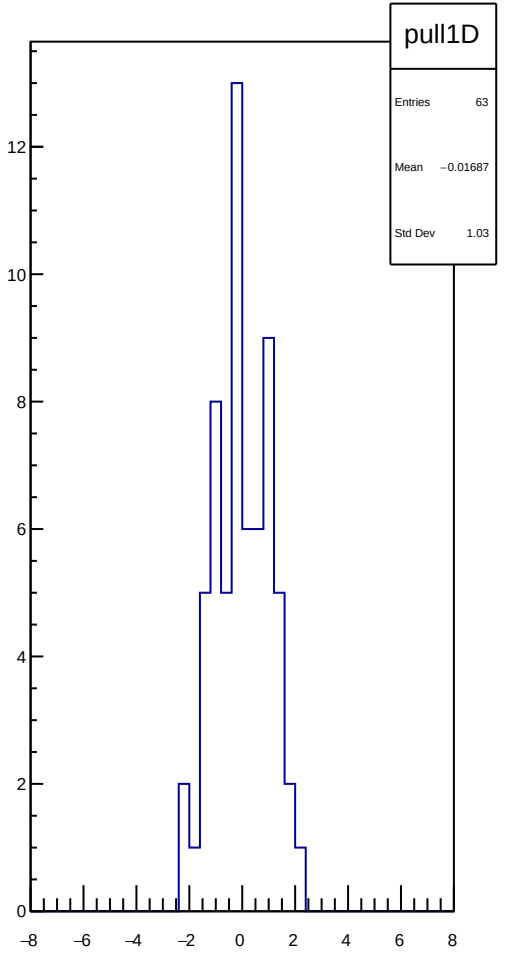
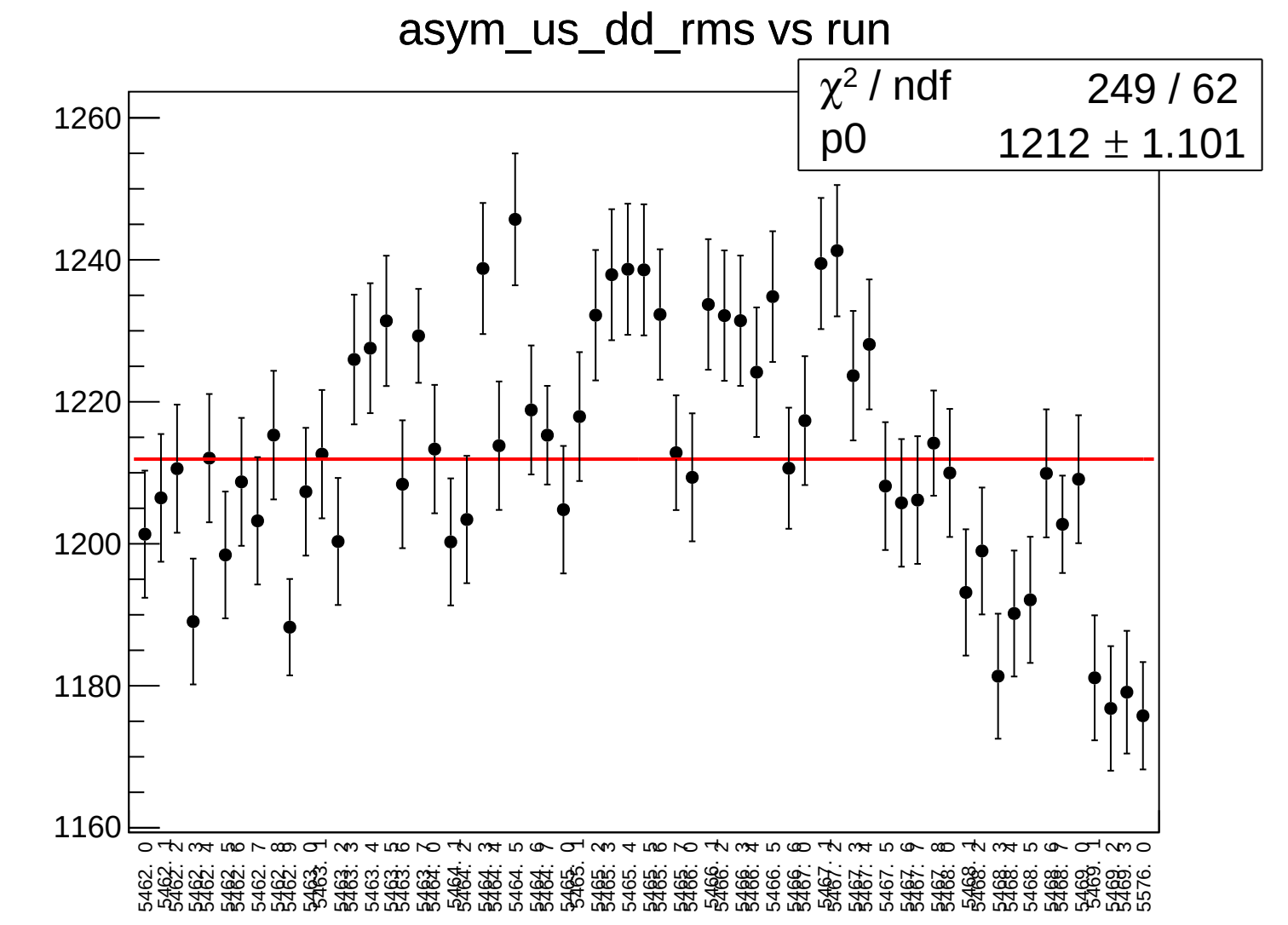
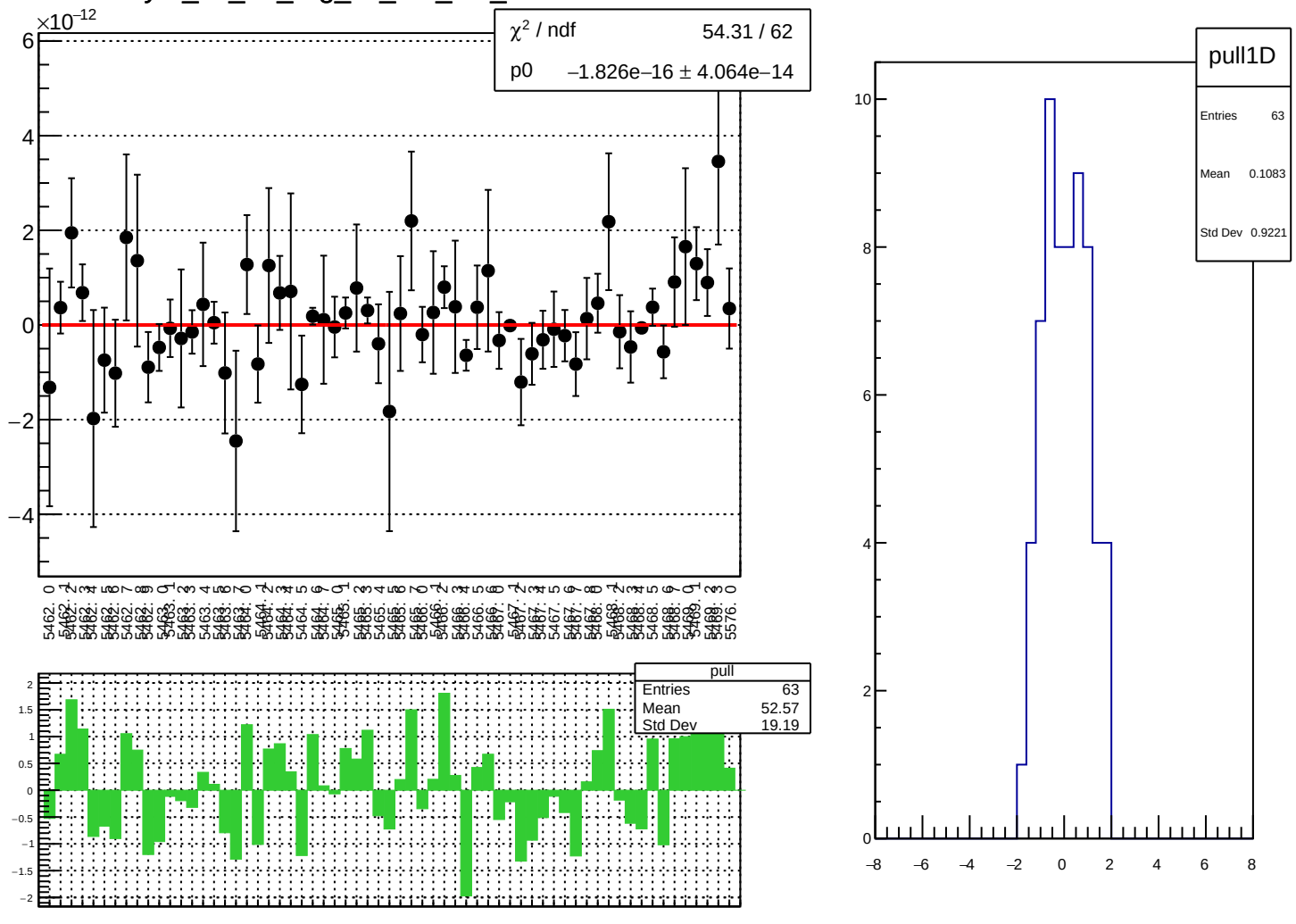
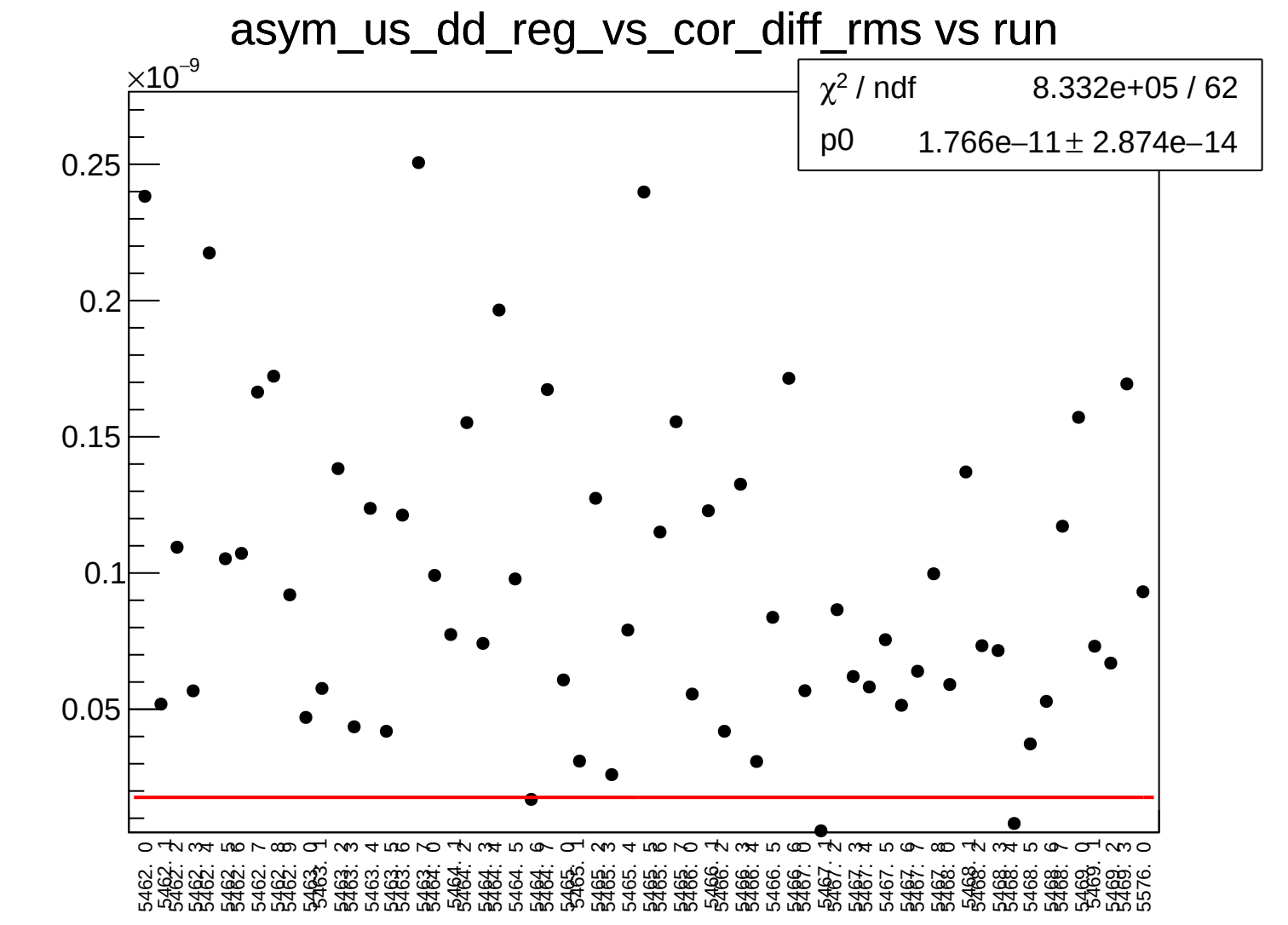
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

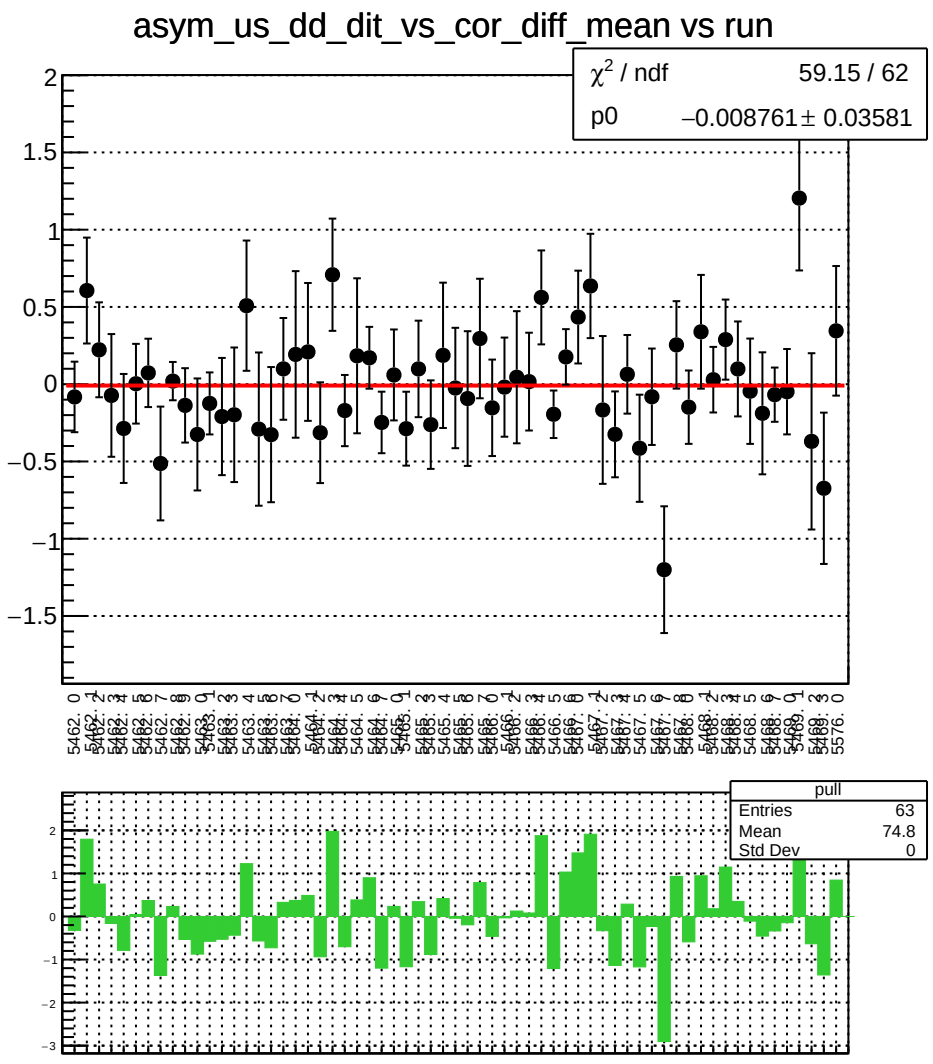

asym_us_dd_mean vs run
χ² / ndf 66.86 / 62
p0 −811.4 ± 1558
pull
Entries 63
Mean −11.5
Std Dev 0

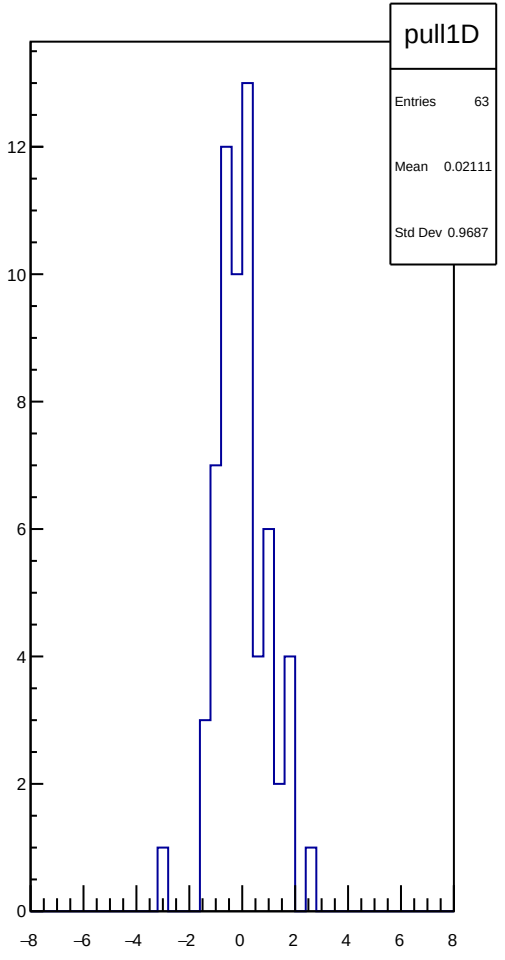

pull1D
Entries 63
Mean −0.01687
Std Dev 1.03

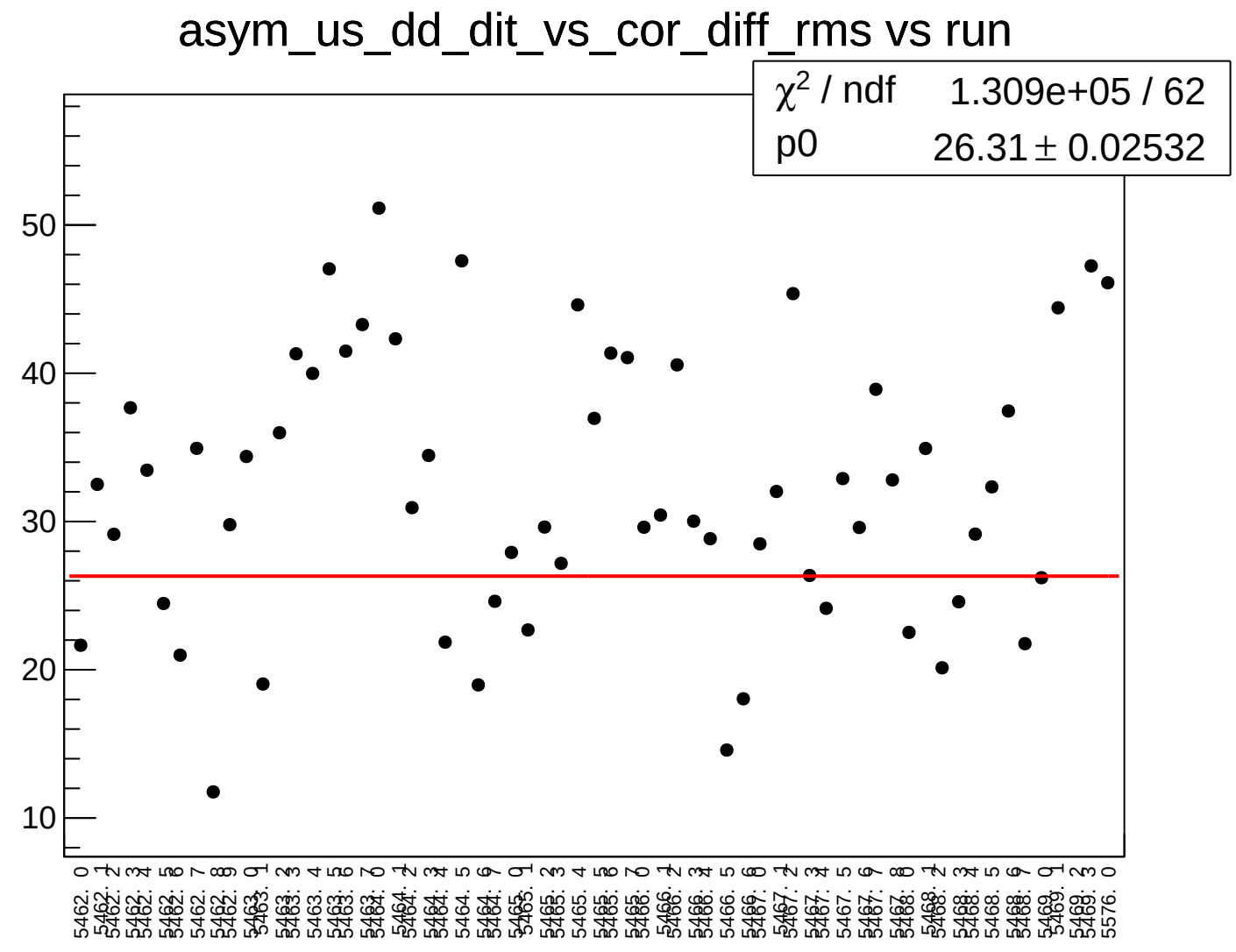

asym_us_dd_rms vs run
χ² / ndf 249 / 62
p0 1212 ± 1.101
1260
1240
1220
1200
1180
1160

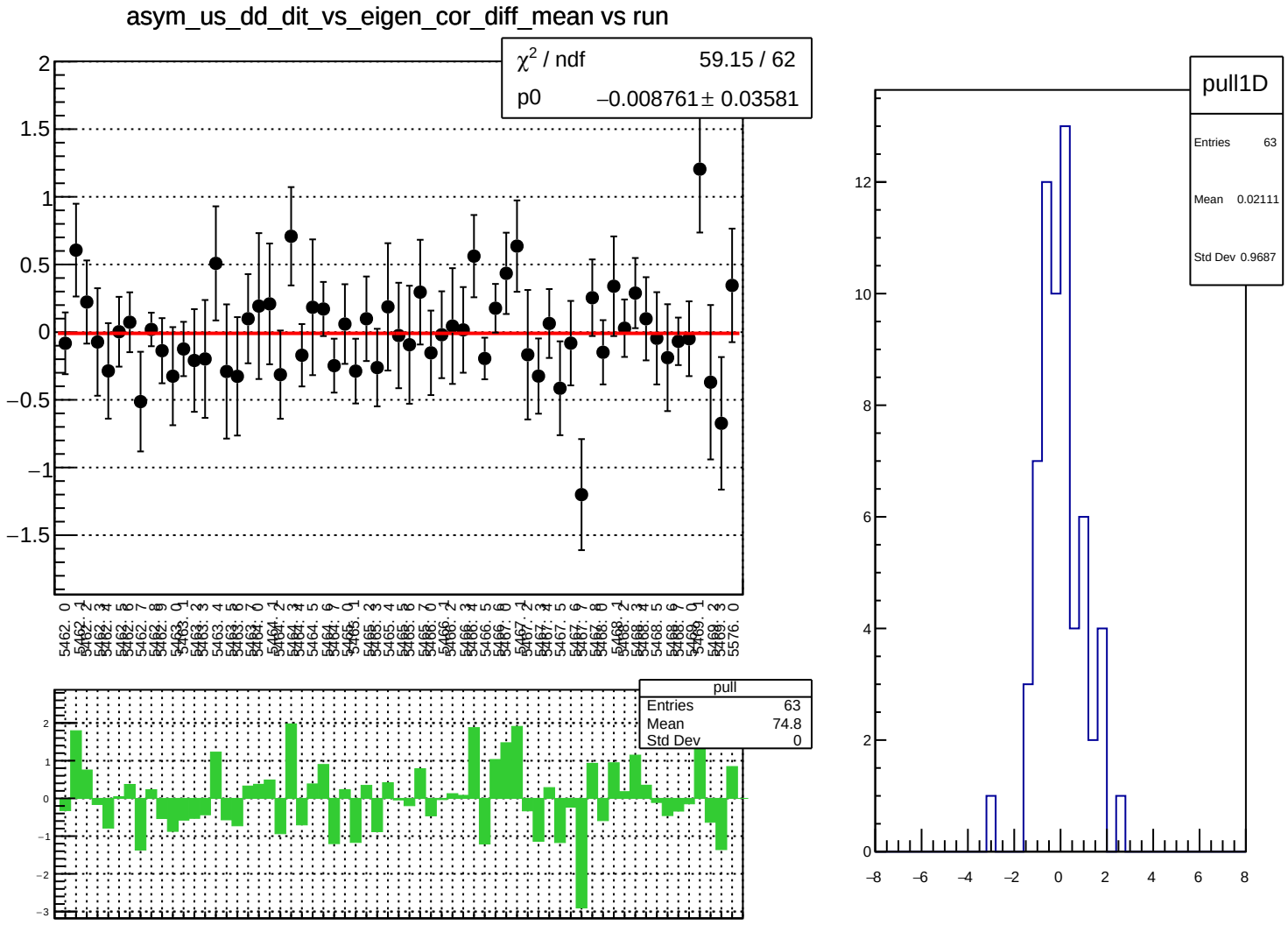

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.31 / 62
p0 −1.826e−16 ± 4.064e−14
pull
Entries 63
Mean 52.57
Std Dev 19.19
pull1D
Entries 63
Mean 0.1083
Std Dev 0.9221

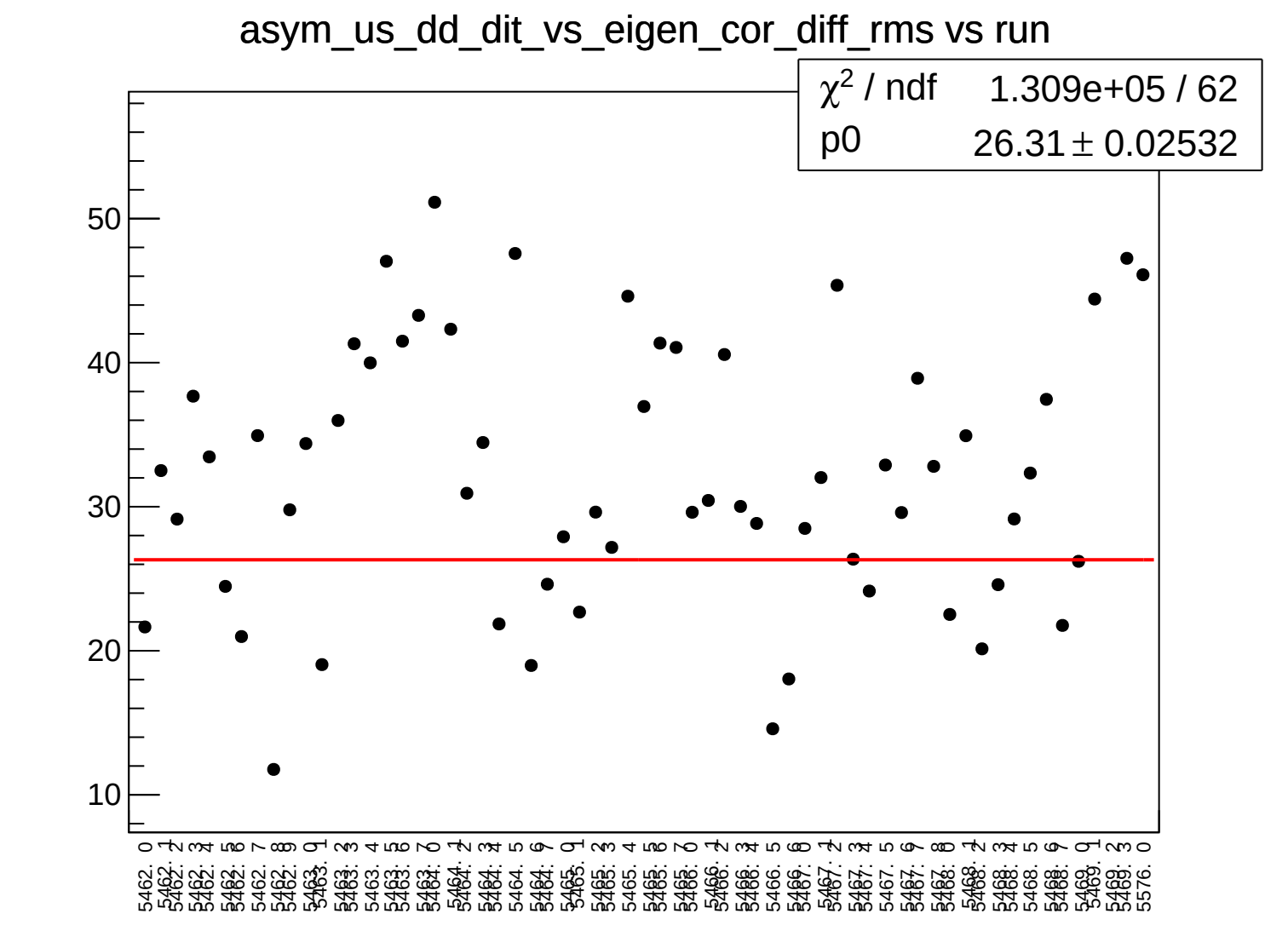

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.332e+05 / 62
p0 1.766e−11 ± 2.874e−14
0.25
0.2
0.15
0.1
0.05


asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.15 / 62
p0 −0.008761 ± 0.03581
pull
Entries 63
Mean 74.8
Std Dev 0


pull1D
Entries 63
Mean 0.02111
Std Dev 0.9687


asym_us_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.309e+05 / 62
p0 26.31 ± 0.02532
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.15 / 62
p0 −0.008761 ± 0.03581
pull
Entries 63
Mean 74.8
Std Dev 0
pull1D
Entries 63
Mean 0.02111
Std Dev 0.9687


asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.309e+05 / 62
p0 26.31 ± 0.02532
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
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5465. 7
5466. 1
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5466. 6
5466. 7
5467. 1
5467. 2
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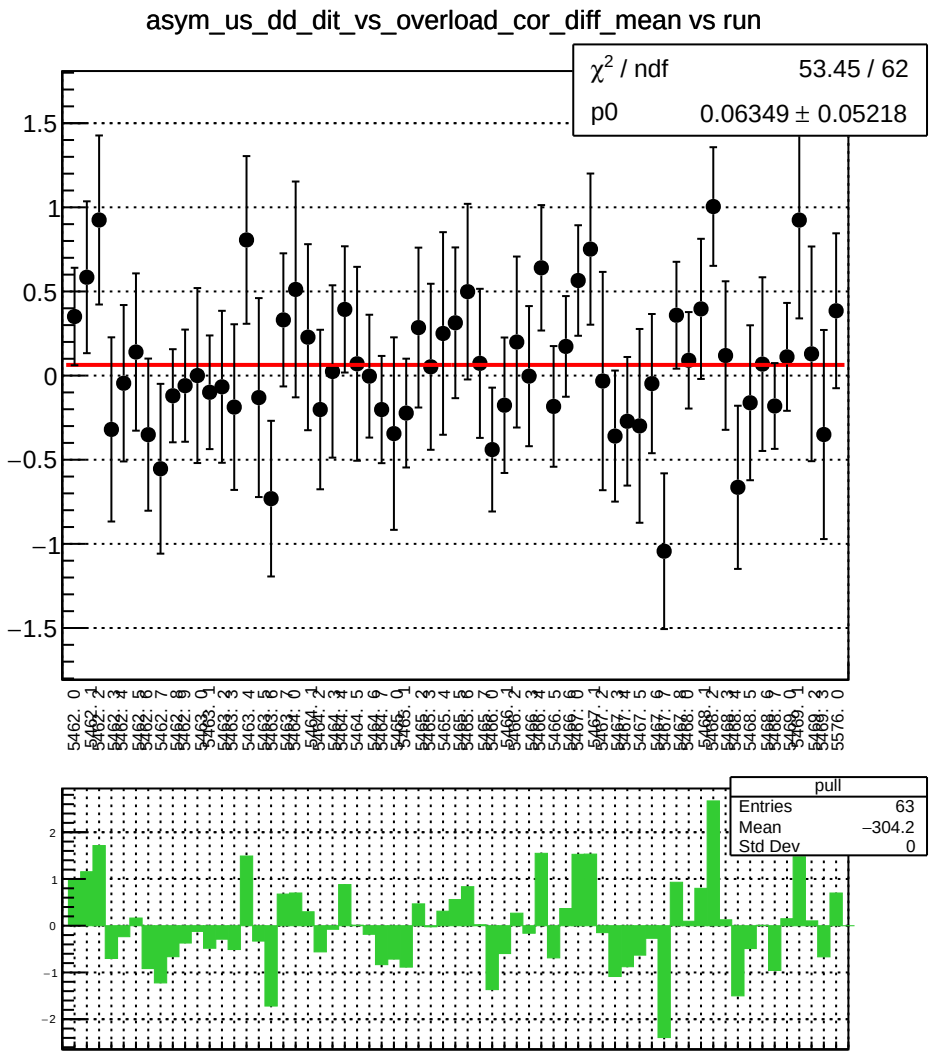
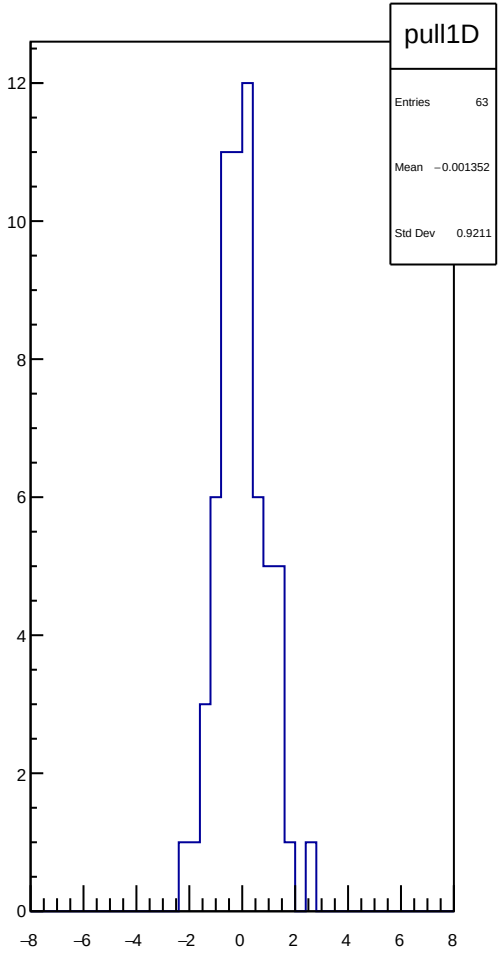
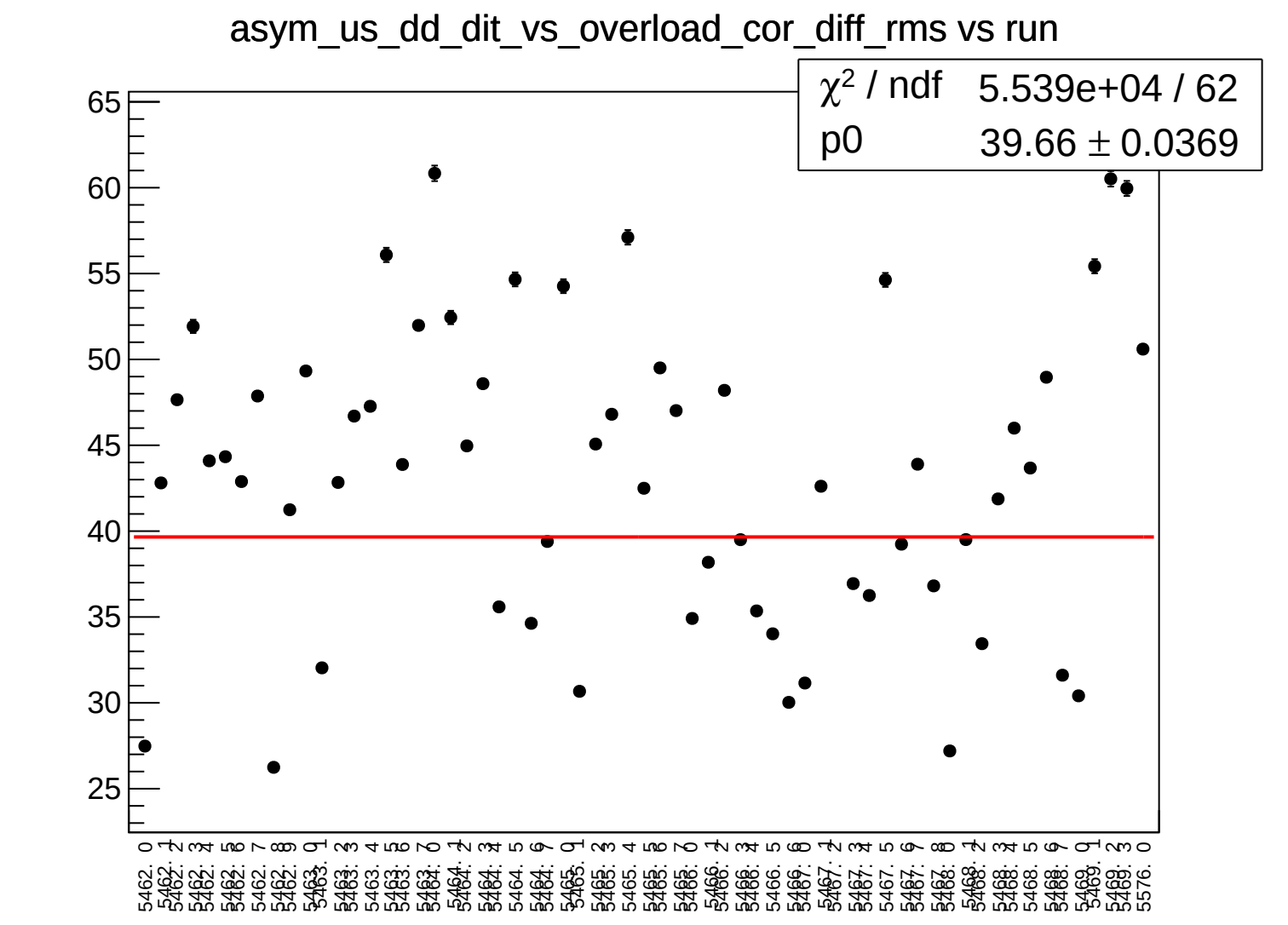
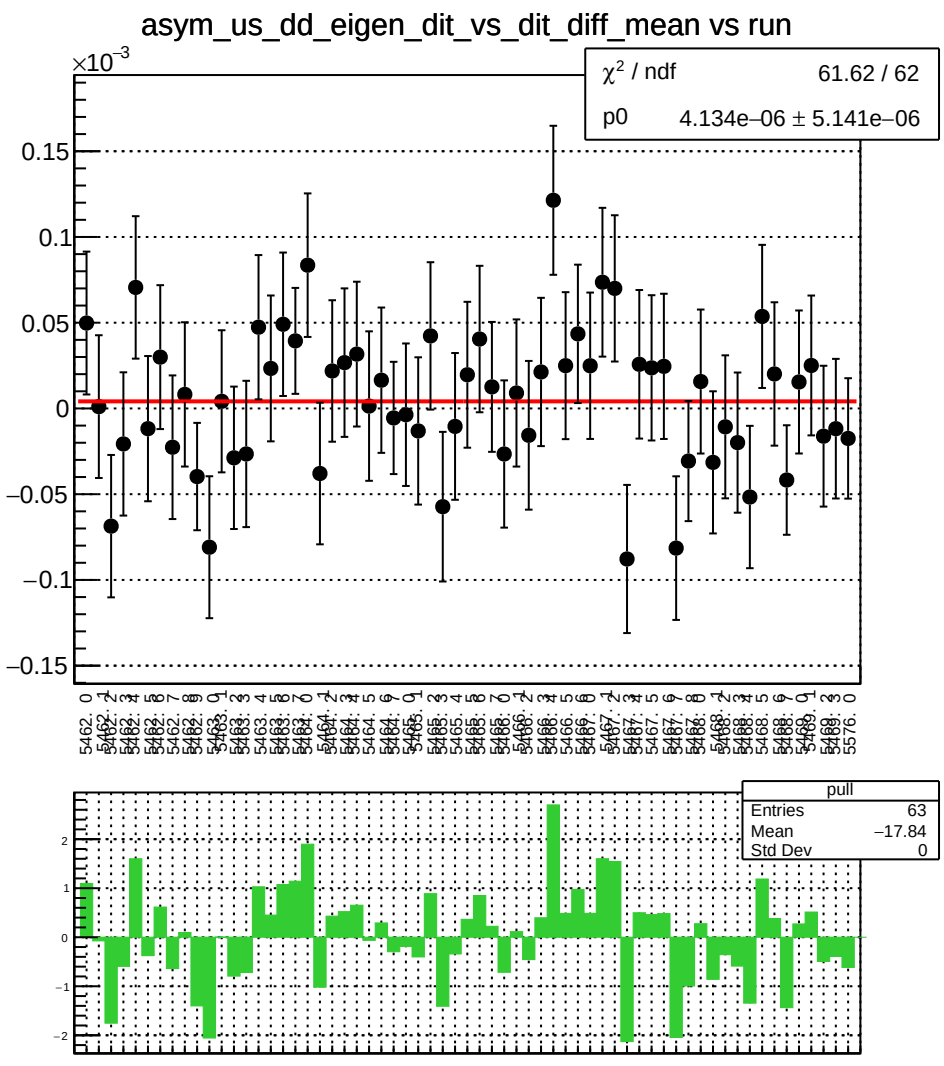
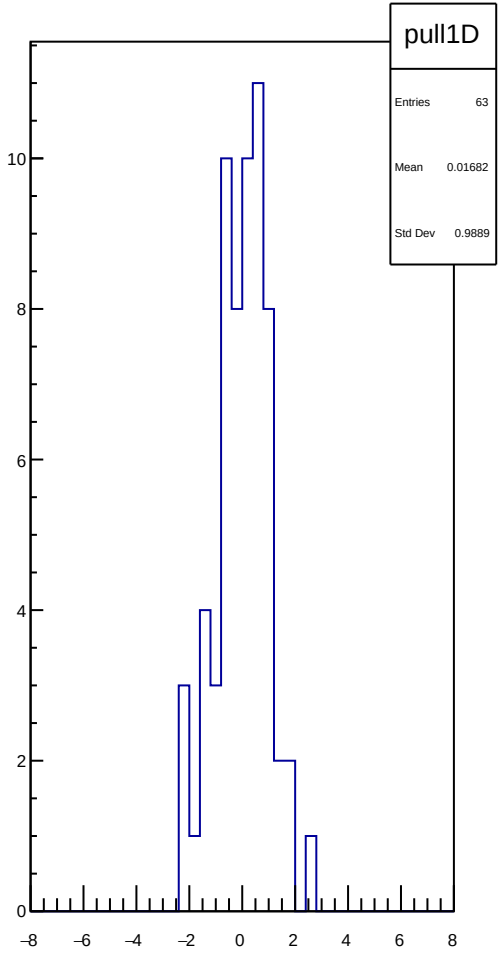
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

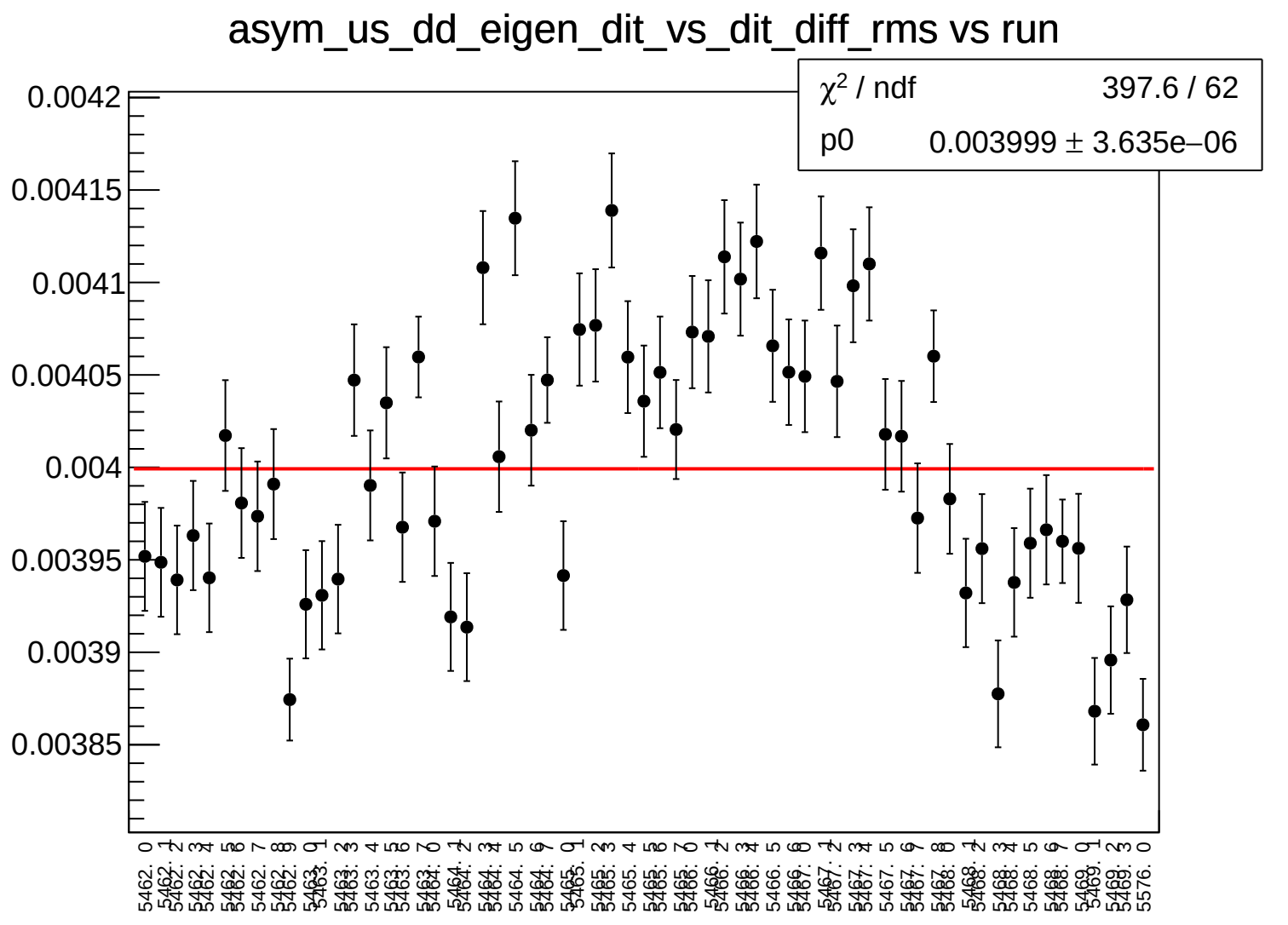

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 53.45 / 62
p0 0.06349 ± 0.05218
pull
Entries 63
Mean −304.2
Std Dev 0

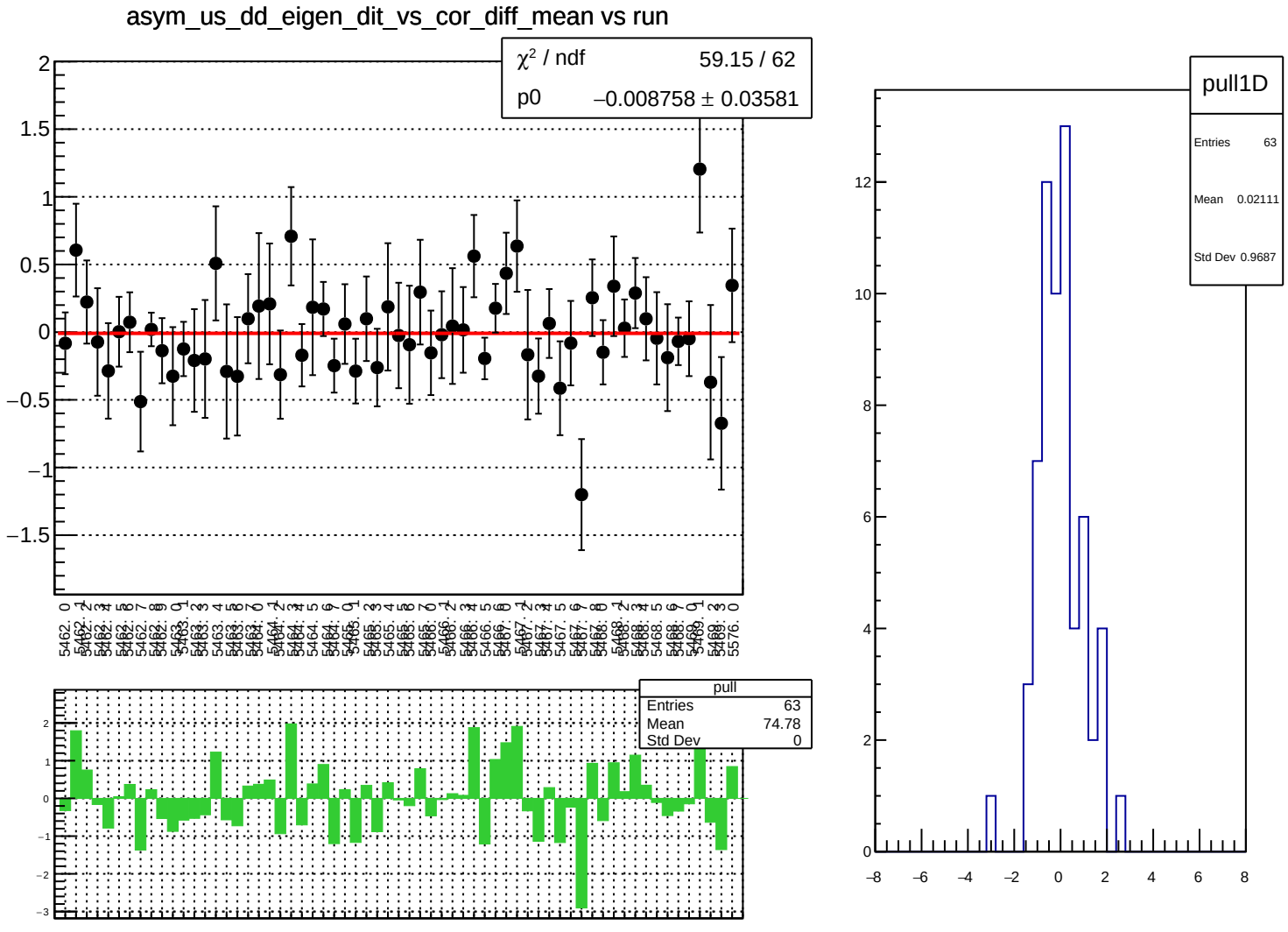

pull1D
Entries 63
Mean −0.001352
Std Dev 0.9211

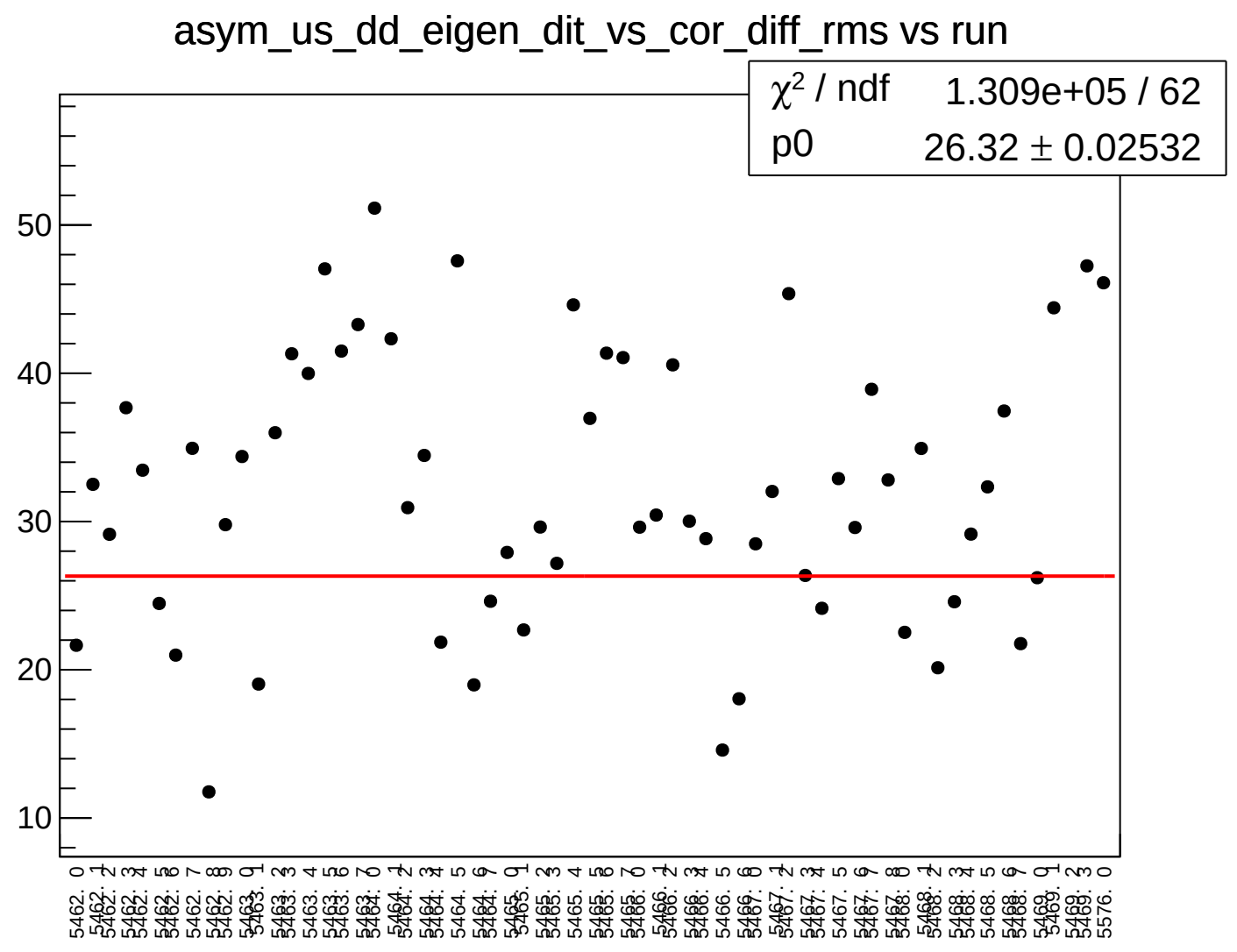

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.539e+04 / 62
p0 39.66 ± 0.0369
65
60
55
50
45
40
35
30
25


asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.62 / 62
p0 4.134e−06 ± 5.141e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 63
Mean −17.84
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01682
Std Dev 0.9889
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 397.6 / 62
p0 0.003999 ± 3.635e−06
0.0042
0.00415
0.0041
0.00405
0.004
0.00395
0.0039
0.00385


asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.15 / 62
p0 −0.008758 ± 0.03581
pull
Entries 63
Mean 74.78
Std Dev 0
pull1D
Entries 63
Mean 0.02111
Std Dev 0.9687


asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.309e+05 / 62
p0 26.32 ± 0.02532
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
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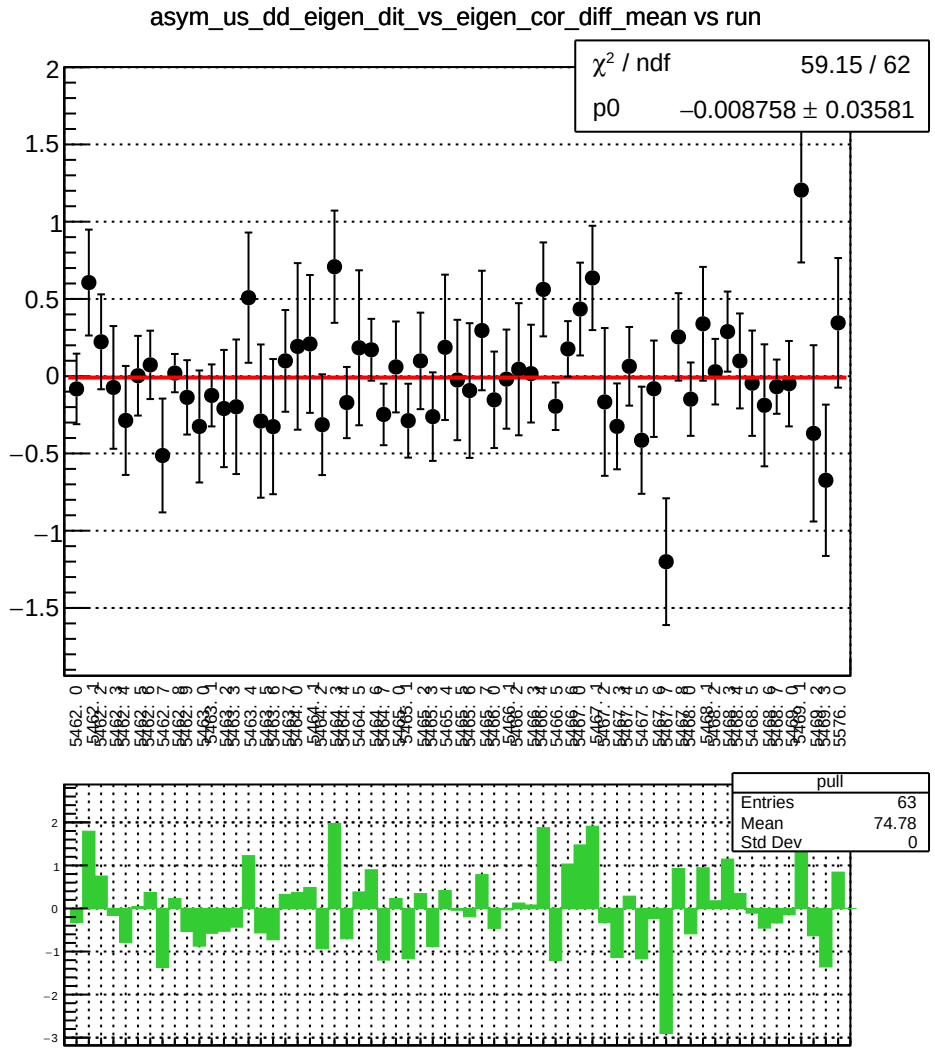
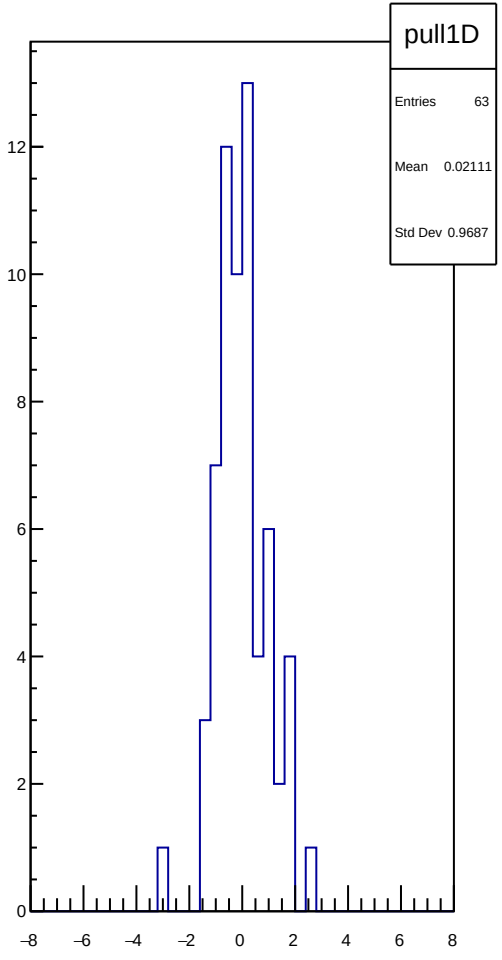
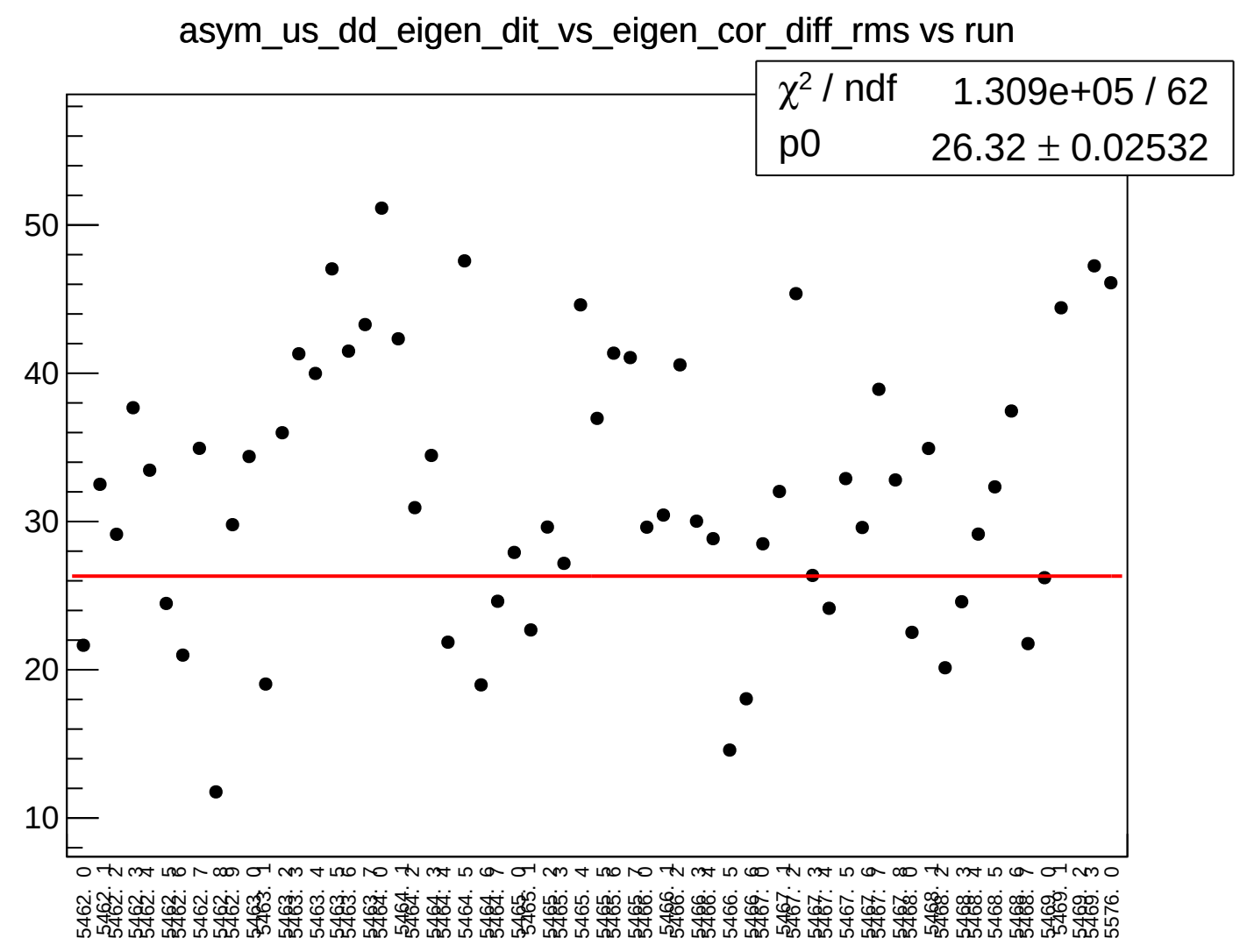
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.15 / 62
p0 −0.008758 ± 0.03581
pull
Entries 63
Mean 74.78
Std Dev 0


pull1D
Entries 63
Mean 0.02111
Std Dev 0.9687


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.309e+05 / 62
p0 26.32 ± 0.02532
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
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5468. 1
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5468. 6
5468. 7
5469. 1
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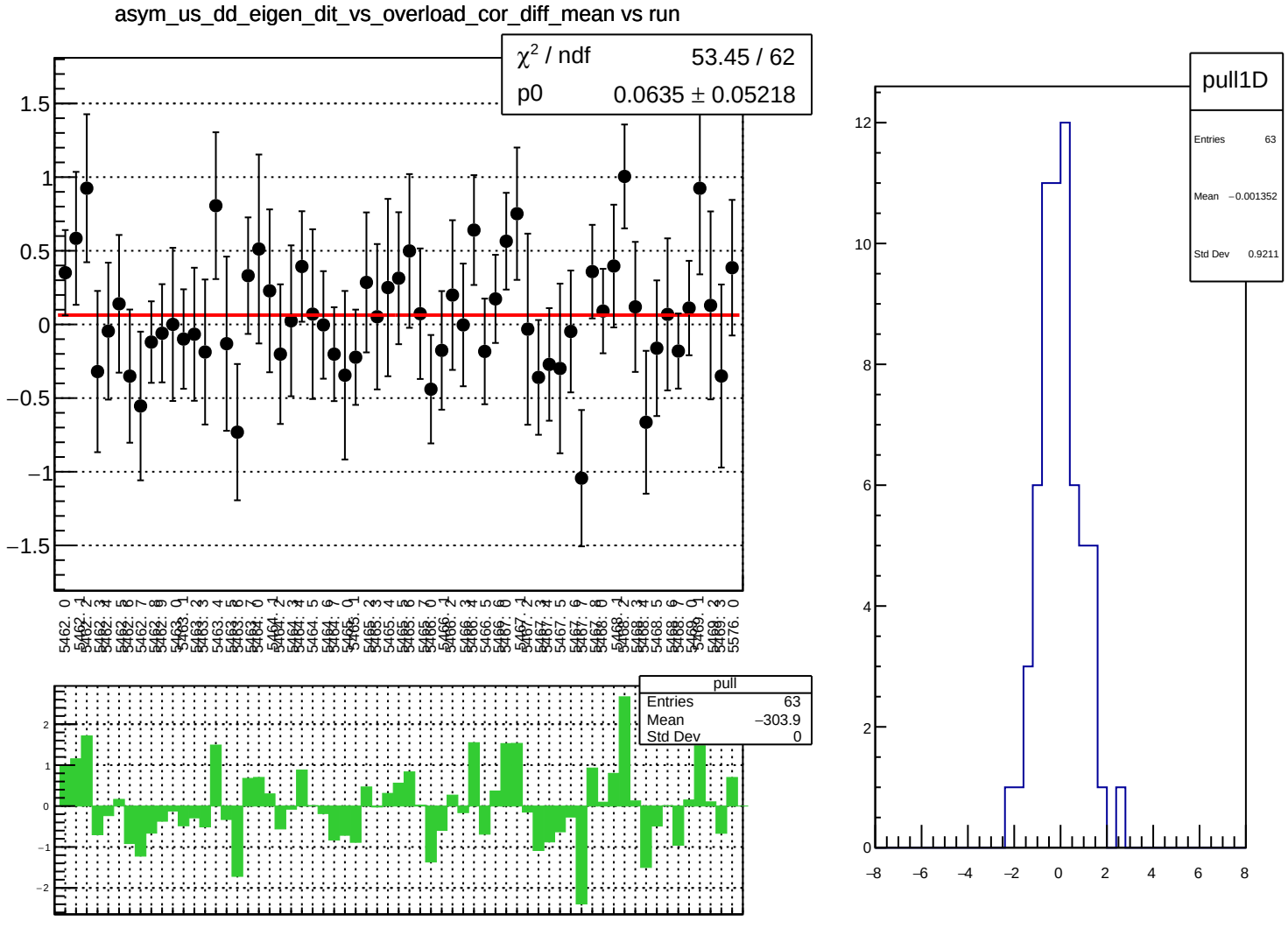
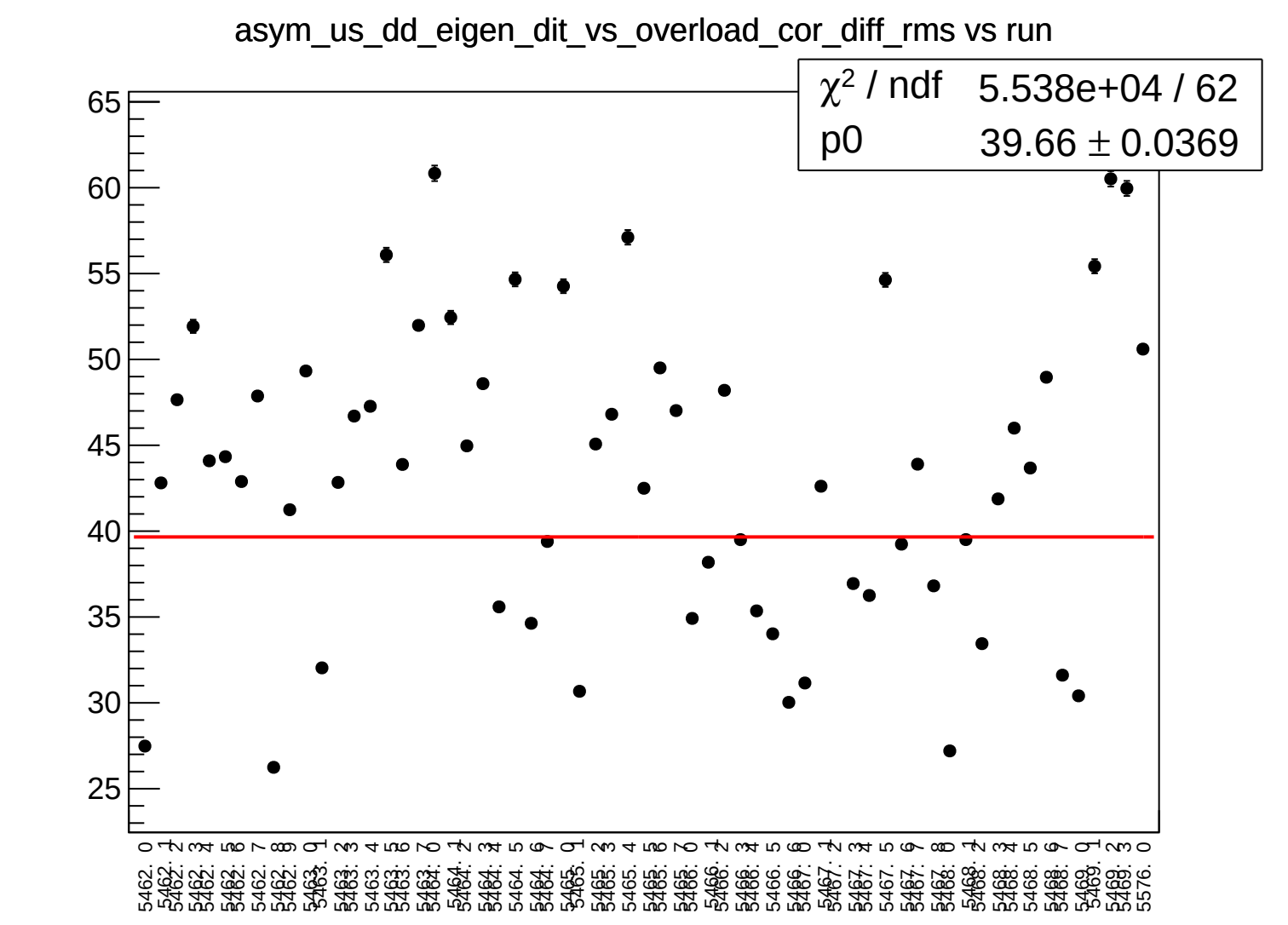
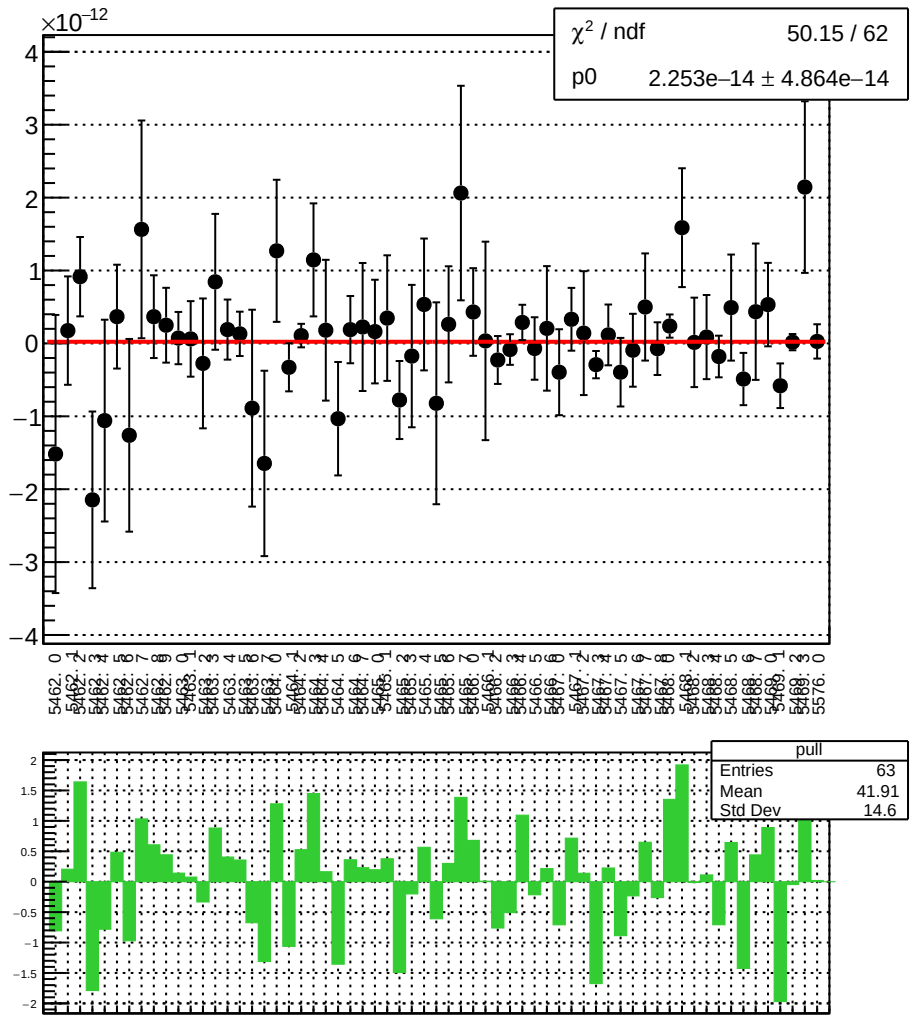
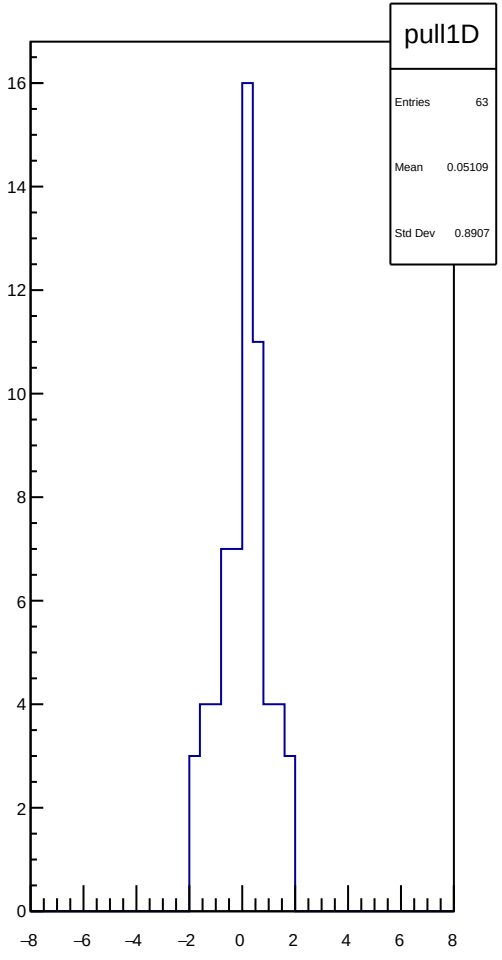
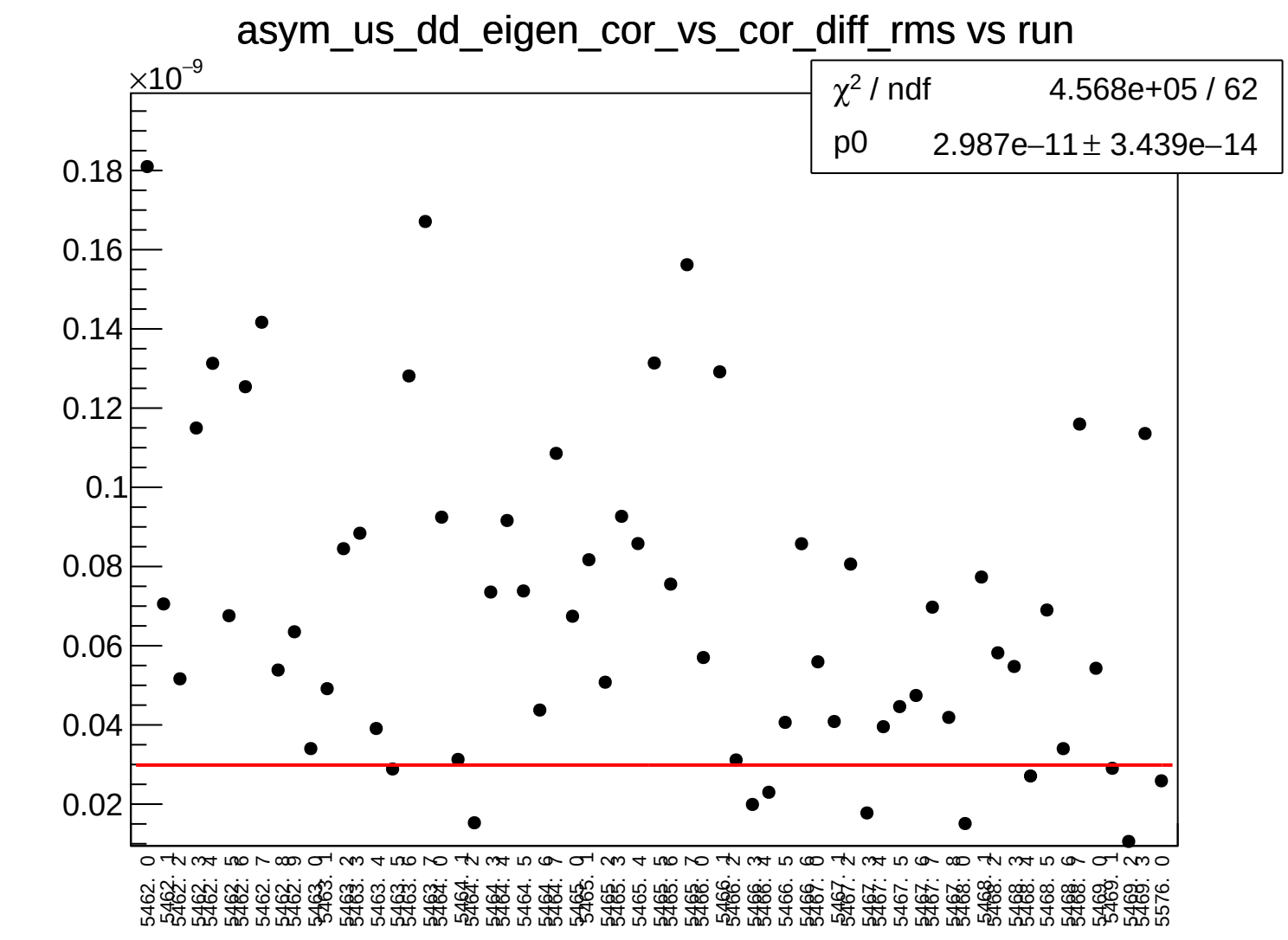
5469. 3
5576. 0


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 53.45 / 62
p0 0.0635 ± 0.05218
pull
Entries 63
Mean −303.9
Std Dev 0
pull1D
Entries 63
Mean −0.001352
Std Dev 0.9211

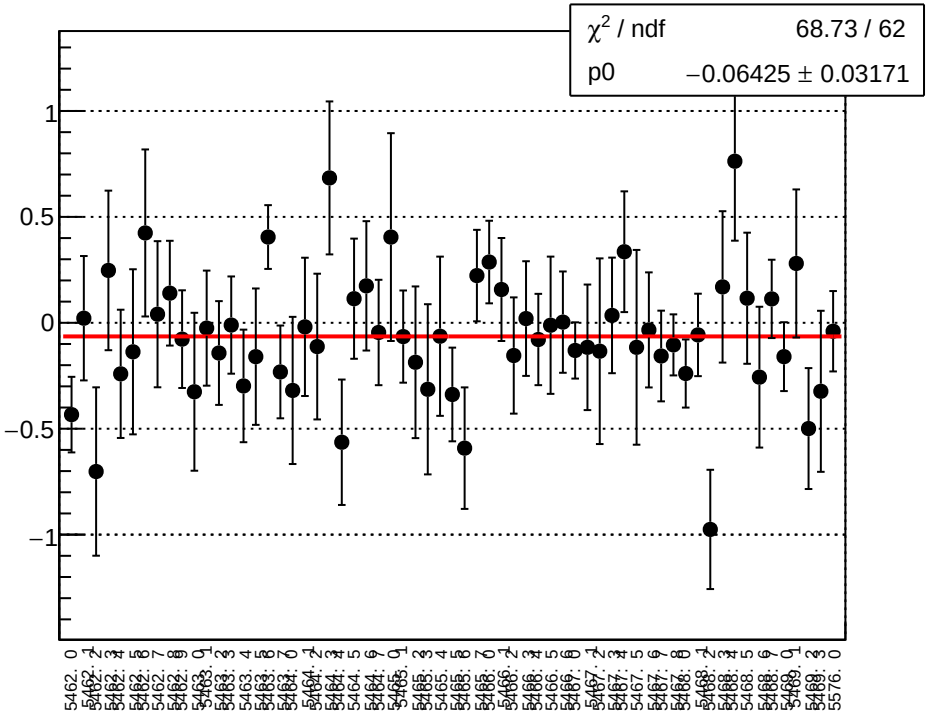

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.538e+04 / 62
p0 39.66 ± 0.0369
65
60
55
50
45
40
35
30
25

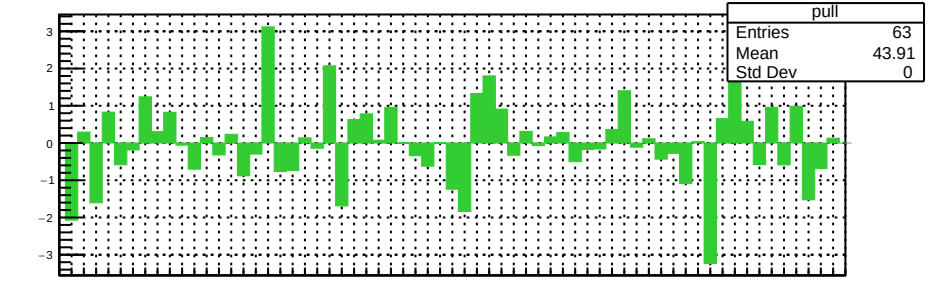

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.15 / 62
p0 2.253e−14 ± 4.864e−14
pull
Entries 63
Mean 41.91
Std Dev 14.6

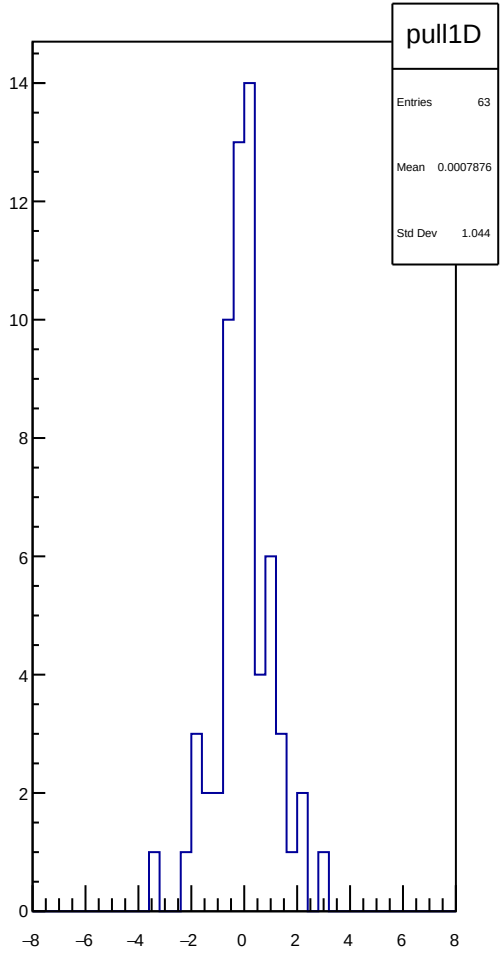

pull1D
Entries 63
Mean 0.05109
Std Dev 0.8907

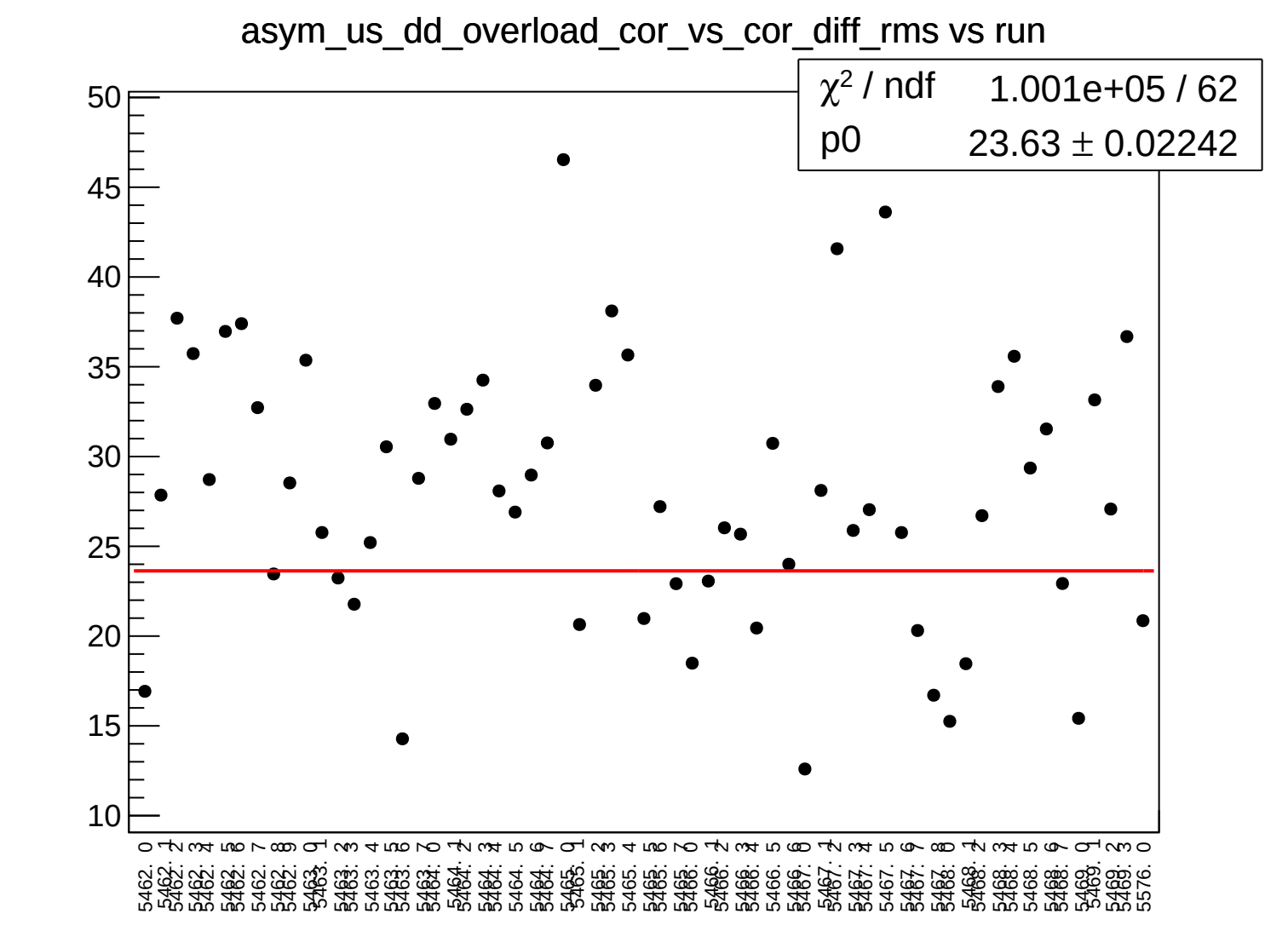

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.568e+05 / 62
p0 2.987e−11 ± 3.439e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

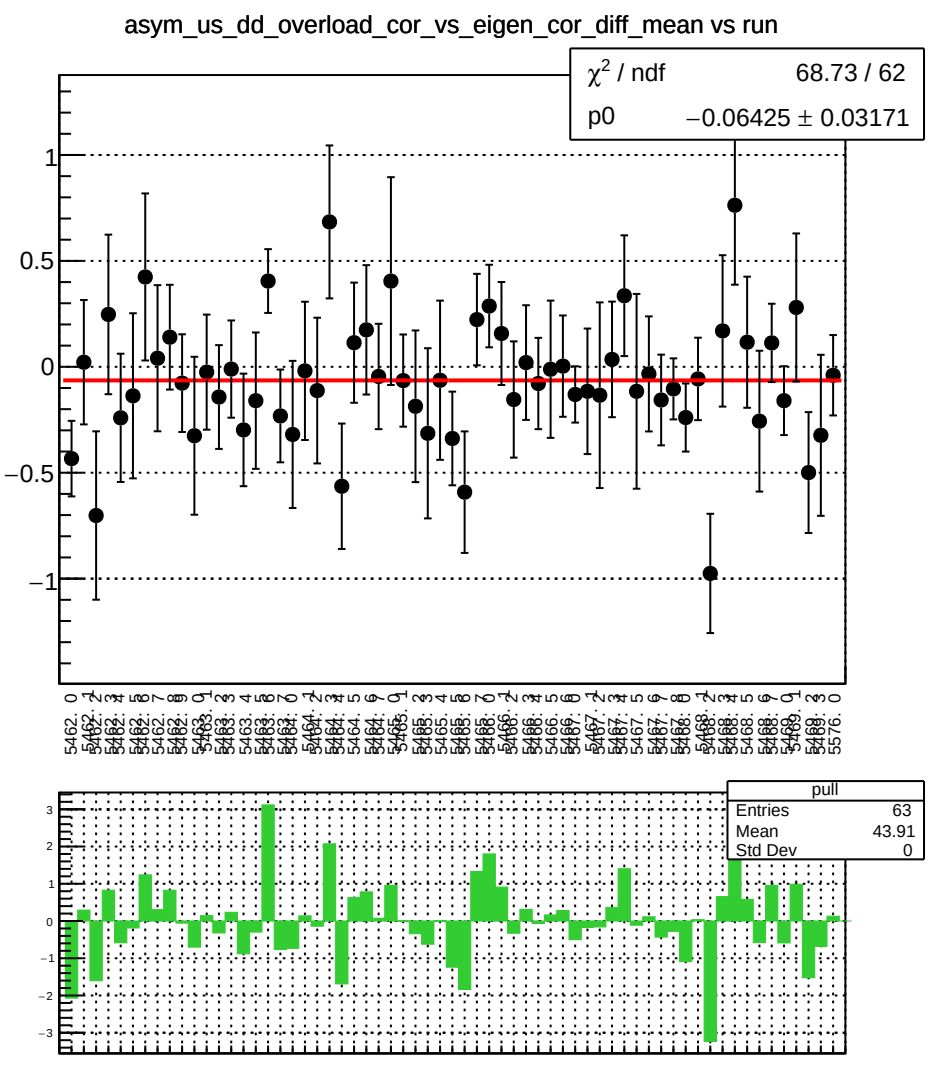
asym_us_dd_overload_cor_vs_cor_diff_mean vs run

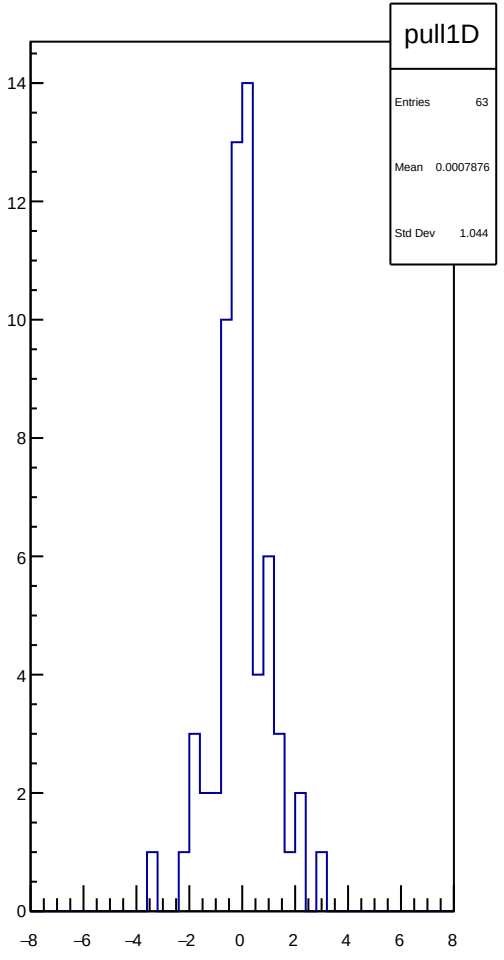


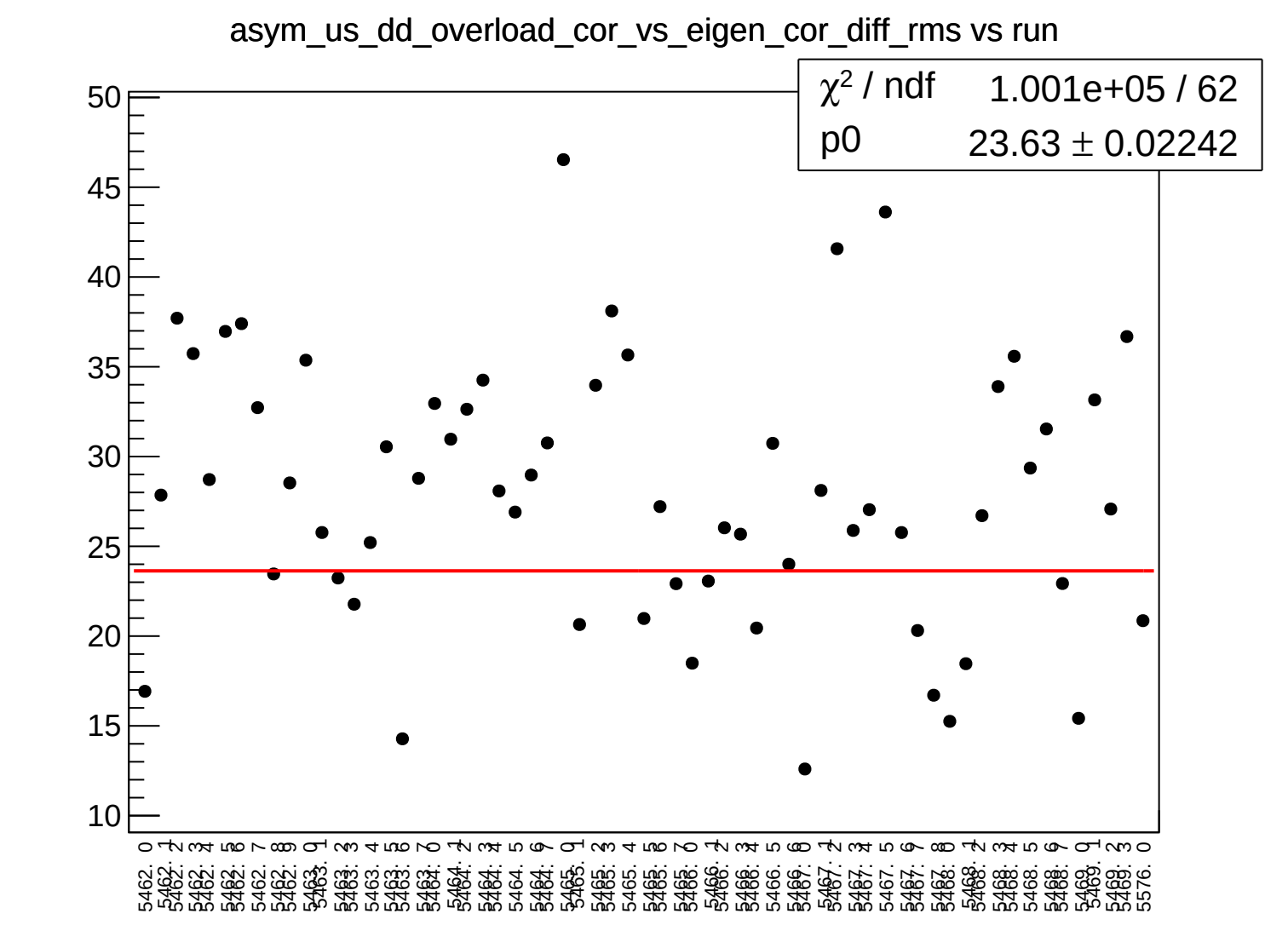


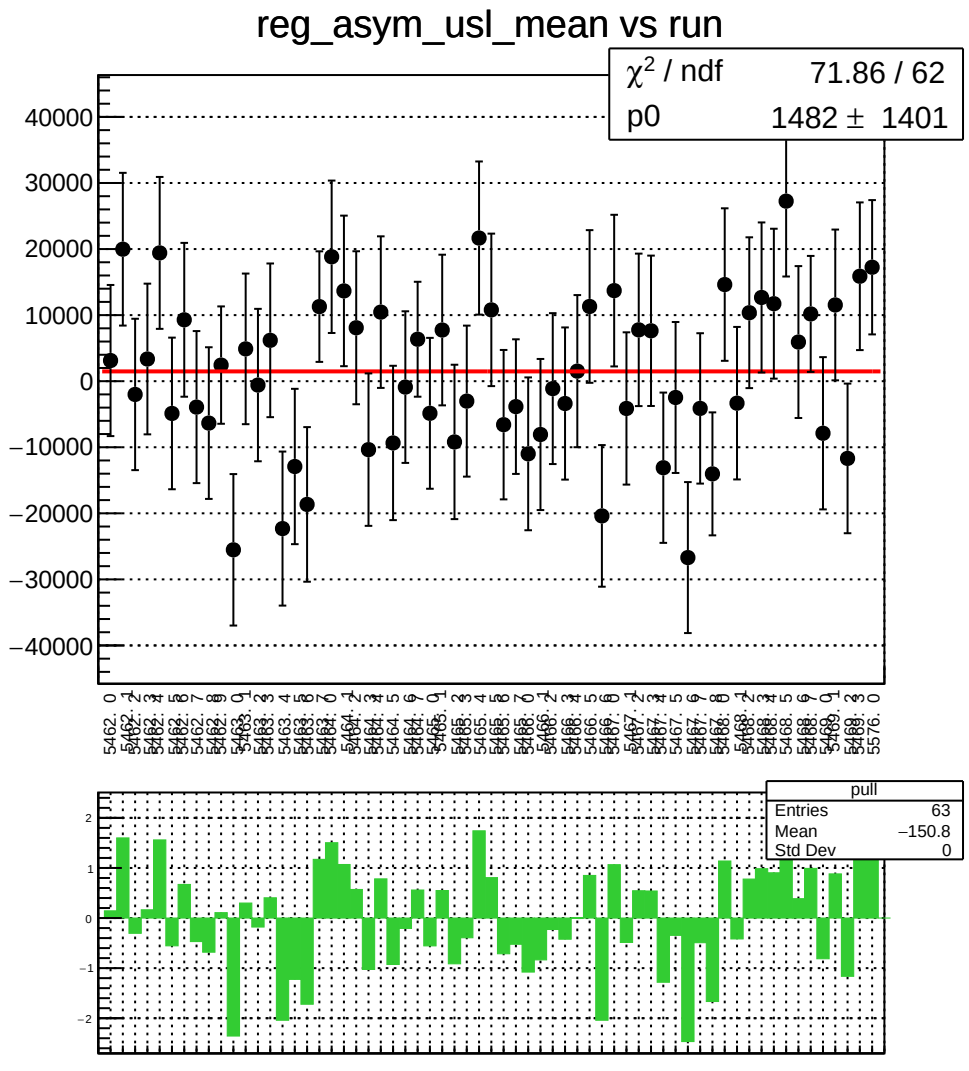


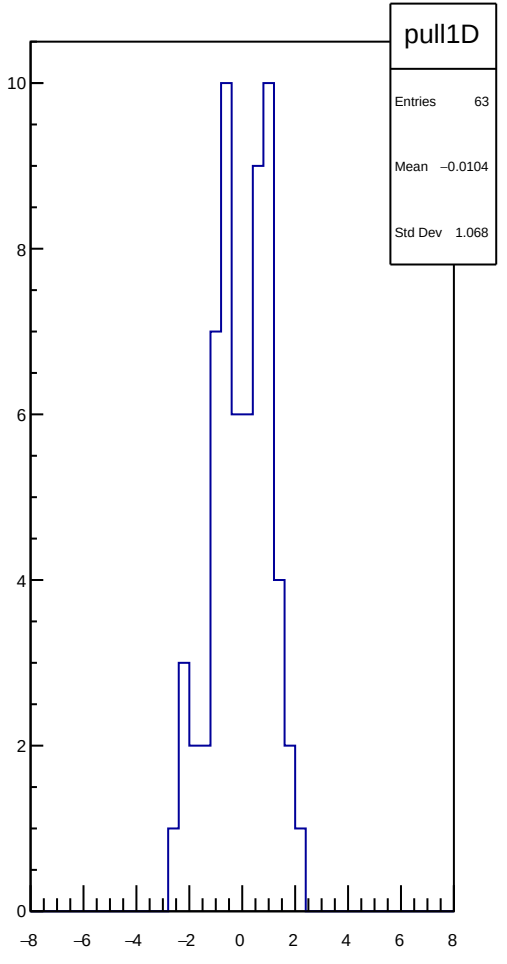

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 62
p0 23.63 ± 0.02242
50
45
40
35
30
25
20
15
10

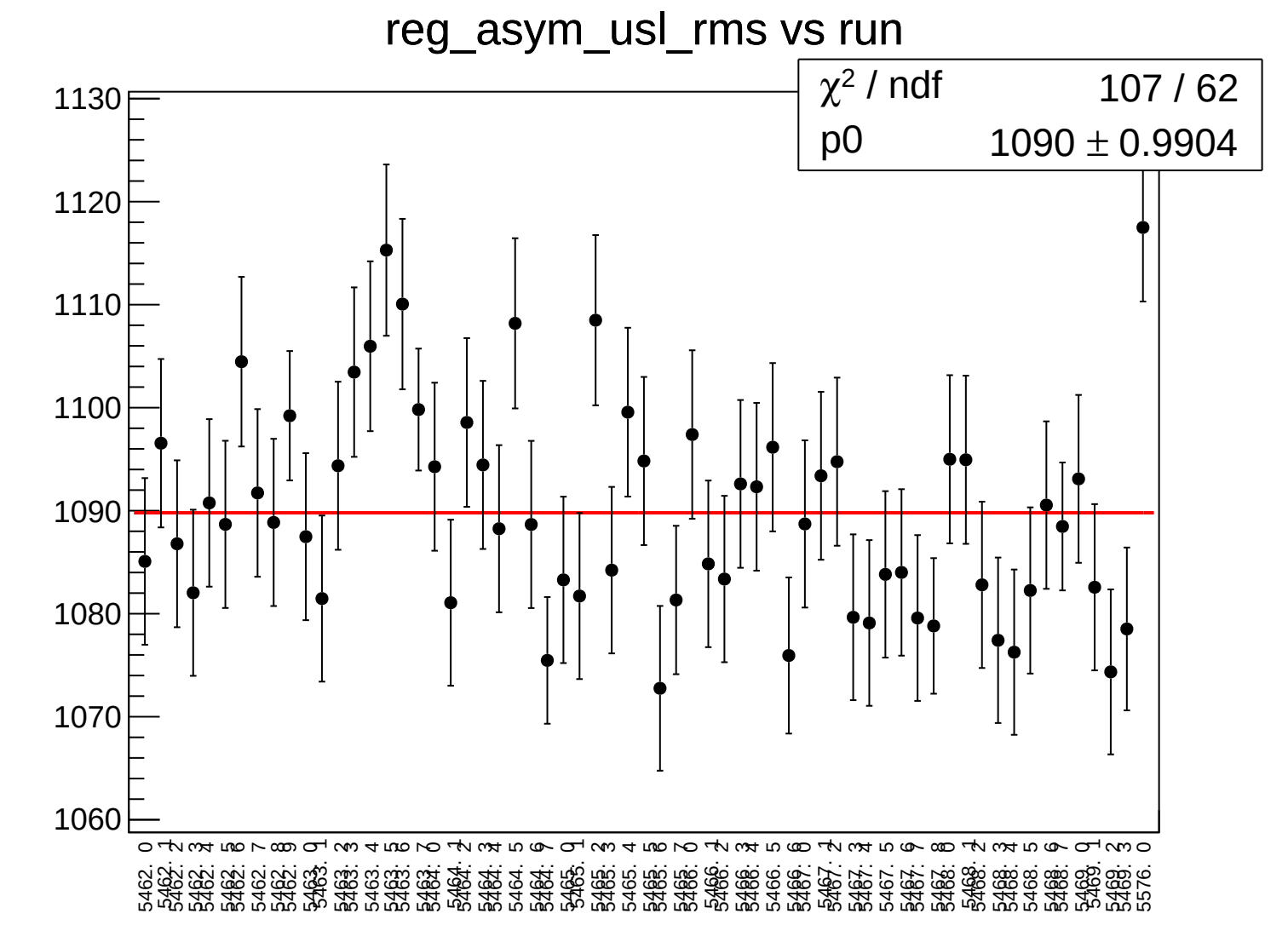

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.73 / 62
p0 −0.06425 ± 0.03171
pull
Entries 63
Mean 43.91
Std Dev 0

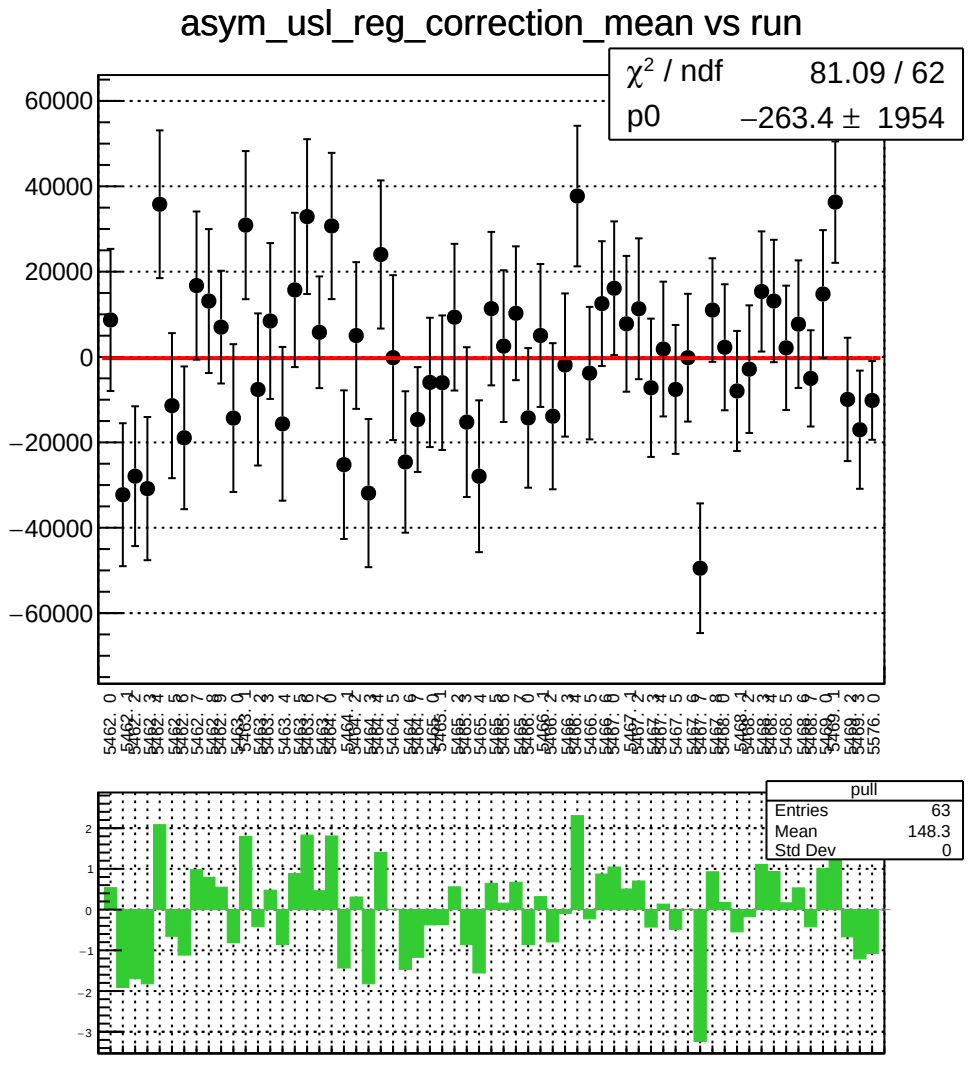

pull1D
Entries 63
Mean 0.0007876
Std Dev 1.044

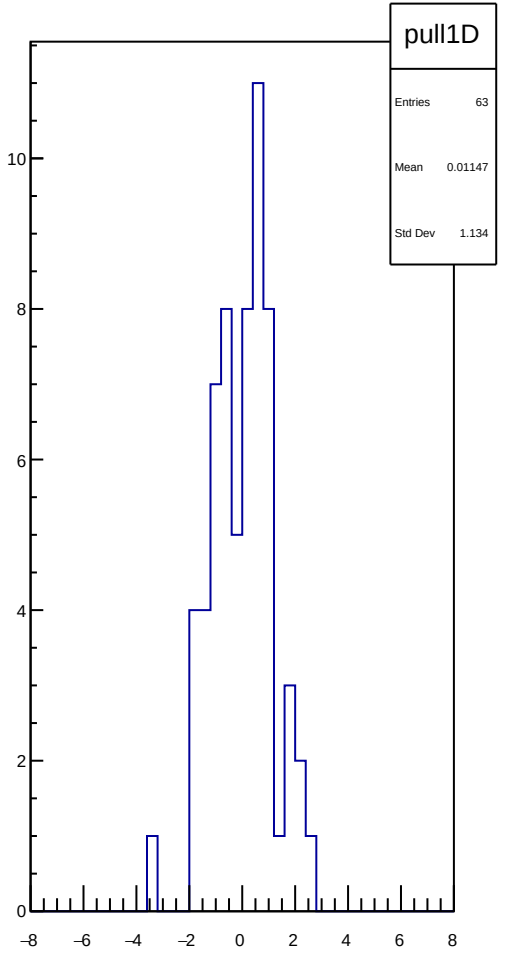

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 62
p0 23.63 ± 0.02242
50
45
40
35
30
25
20
15
10

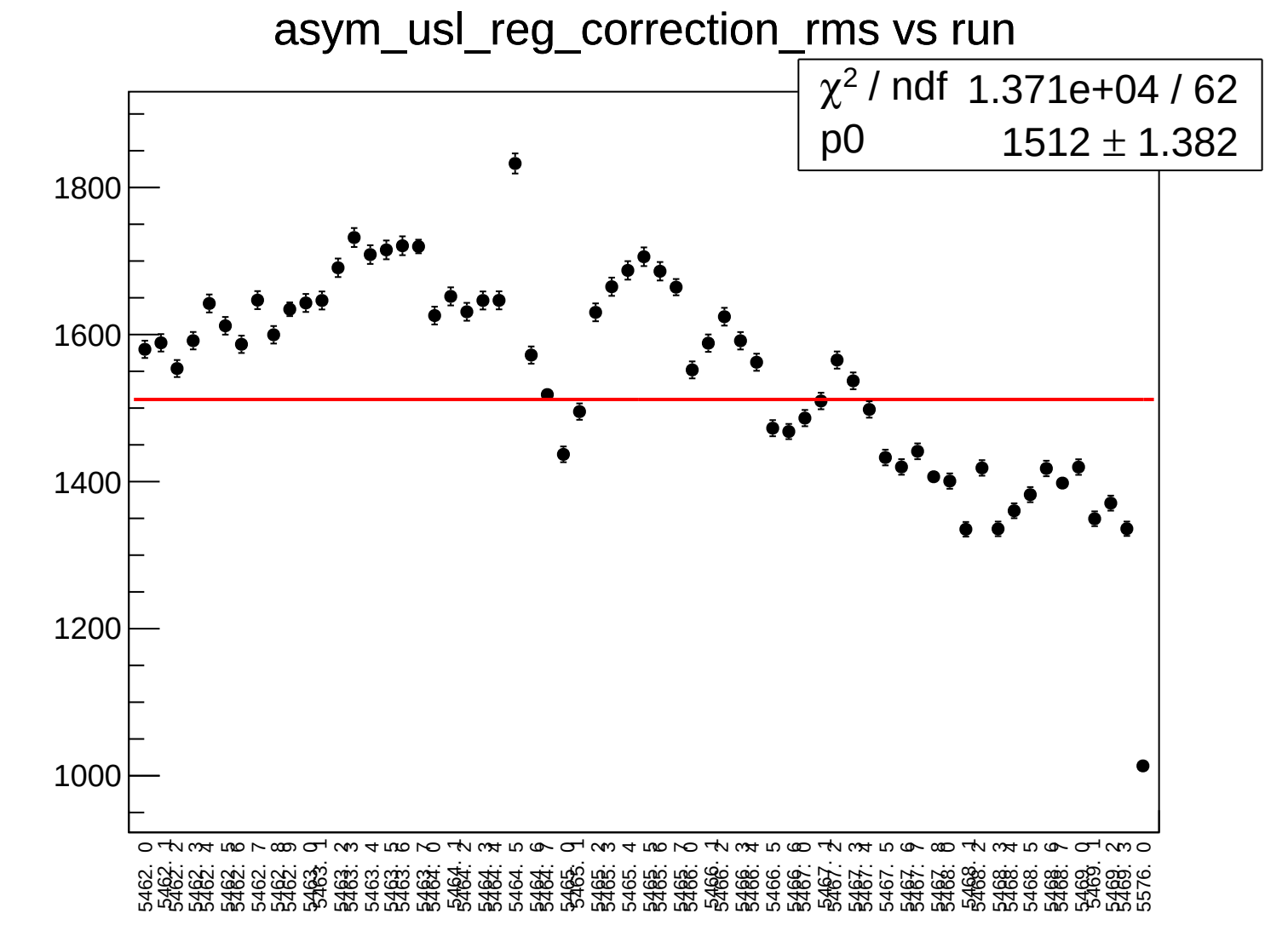

reg_asym_usl_mean vs run
χ² / ndf 71.86 / 62
p0 1482 ± 1401
pull
Entries 63
Mean −150.8
Std Dev 0


pull1D
Entries 63
Mean −0.0104
Std Dev 1.068


reg_asym_usl_rms vs run
χ² / ndf 107 / 62
p0 1090 ± 0.9904
1130
1120
1110
1100
1090
1080
1070
1060


asym_usl_reg_correction_mean vs run
χ² / ndf 81.09 / 62
p0 −263.4 ± 1954
pull
Entries 63
Mean 148.3
Std Dev 0


pull1D
Entries 63
Mean 0.01147
Std Dev 1.134


asym_usl_reg_correction_rms vs run
χ² / ndf 1.371e+04 / 62
p0 1512 ± 1.382
1800
1600
1400
1200
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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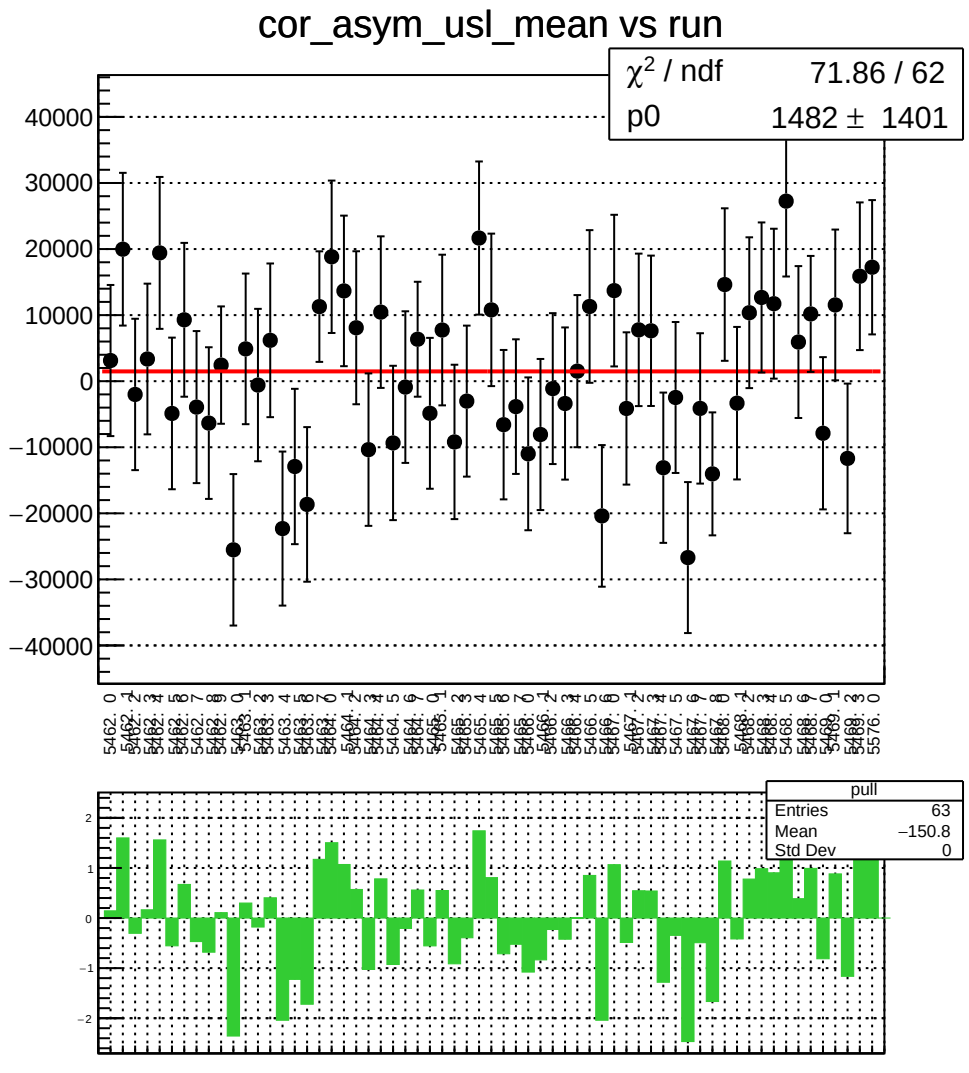
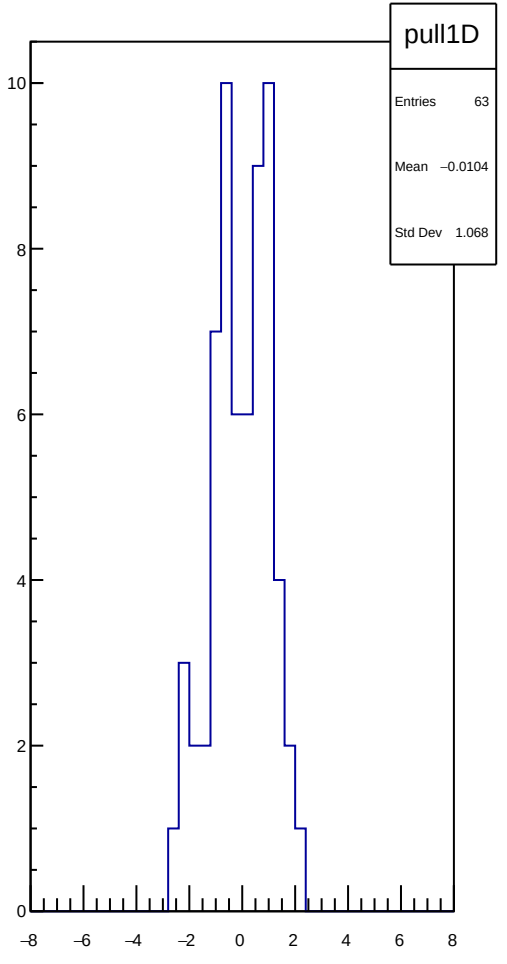
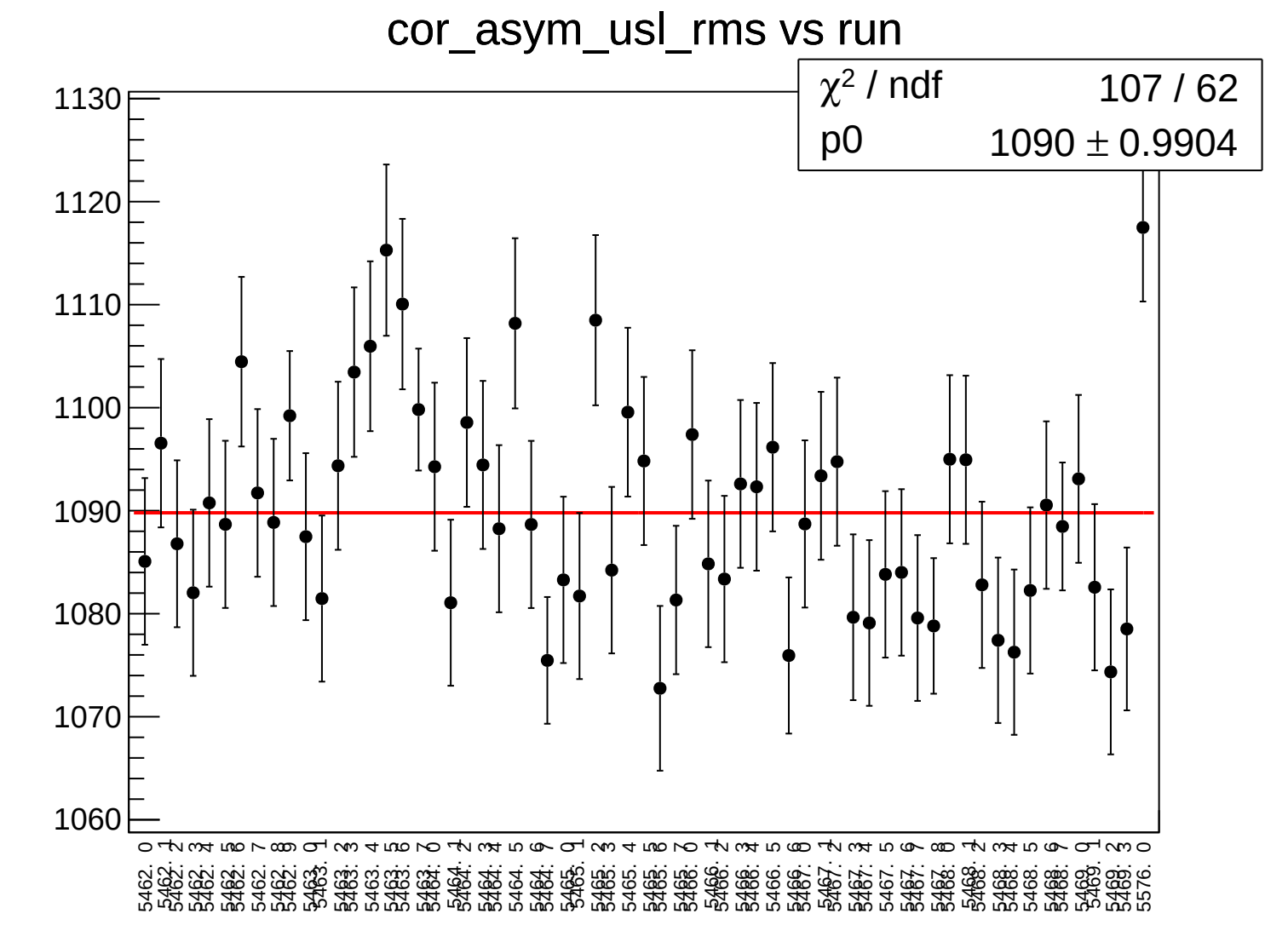
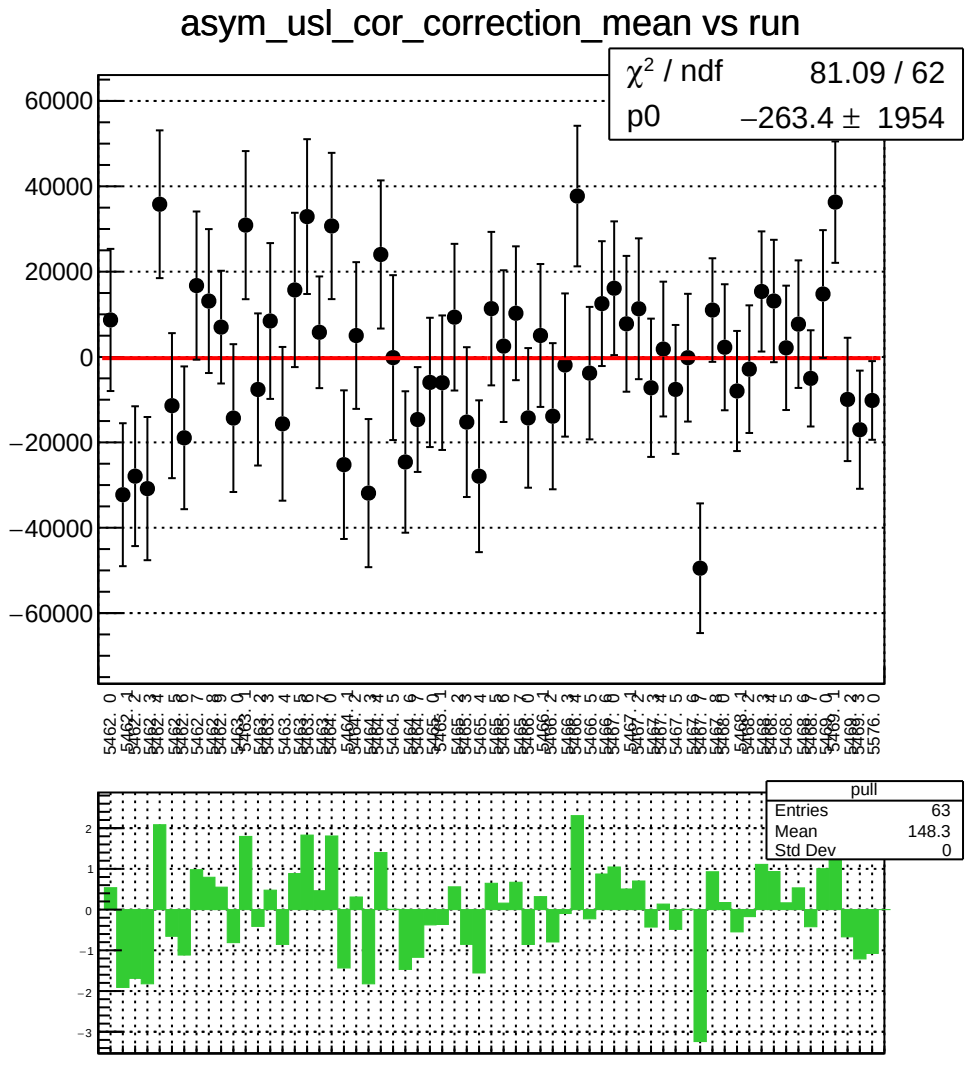
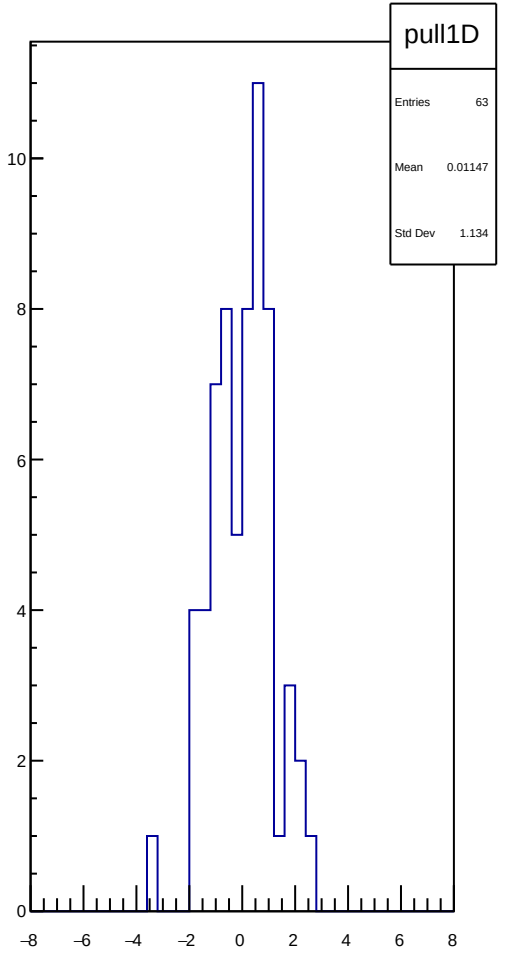
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

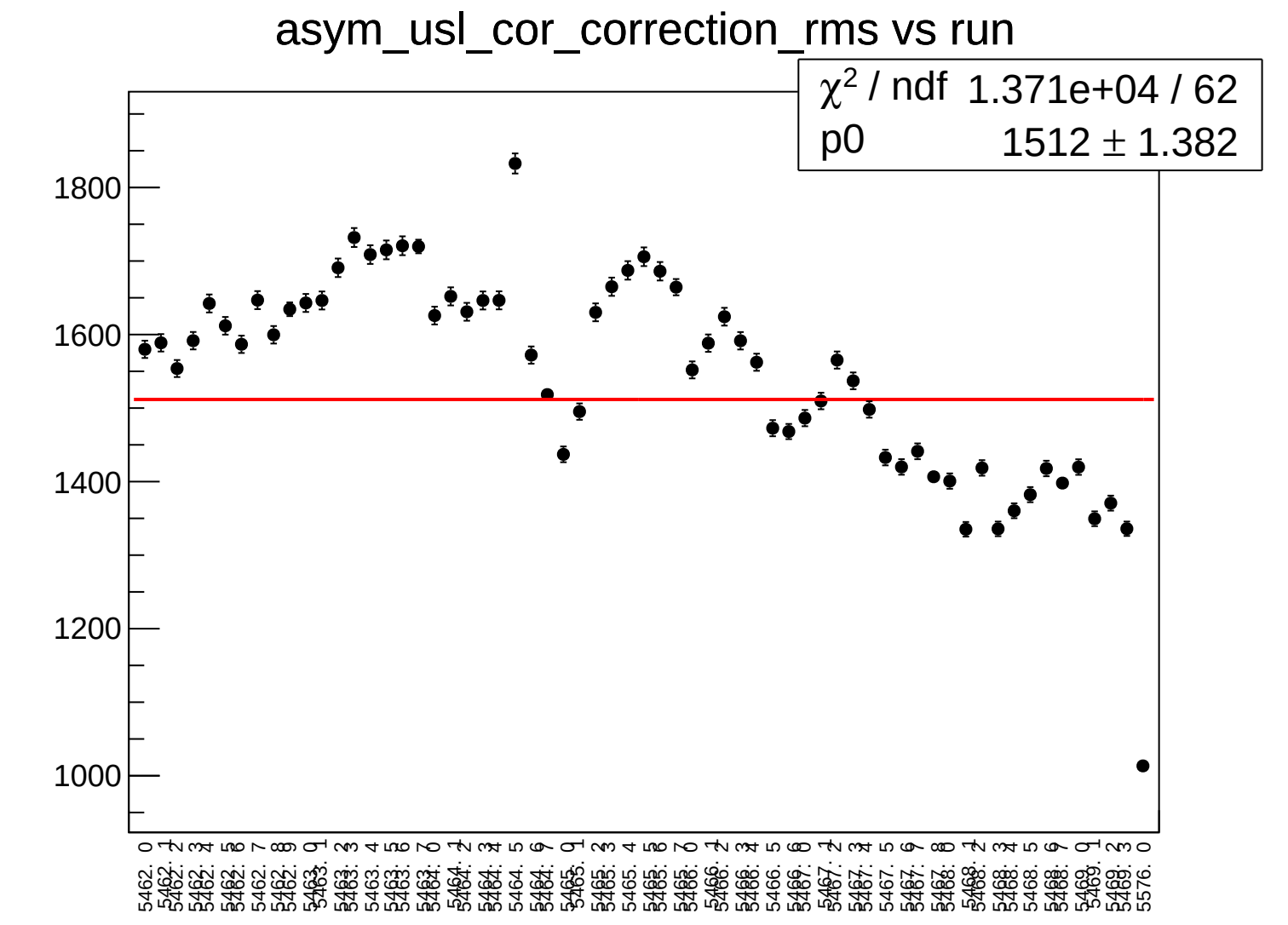

cor_asym_usl_mean vs run
χ² / ndf 71.86 / 62
p0 1482 ± 1401
pull
Entries 63
Mean −150.8
Std Dev 0

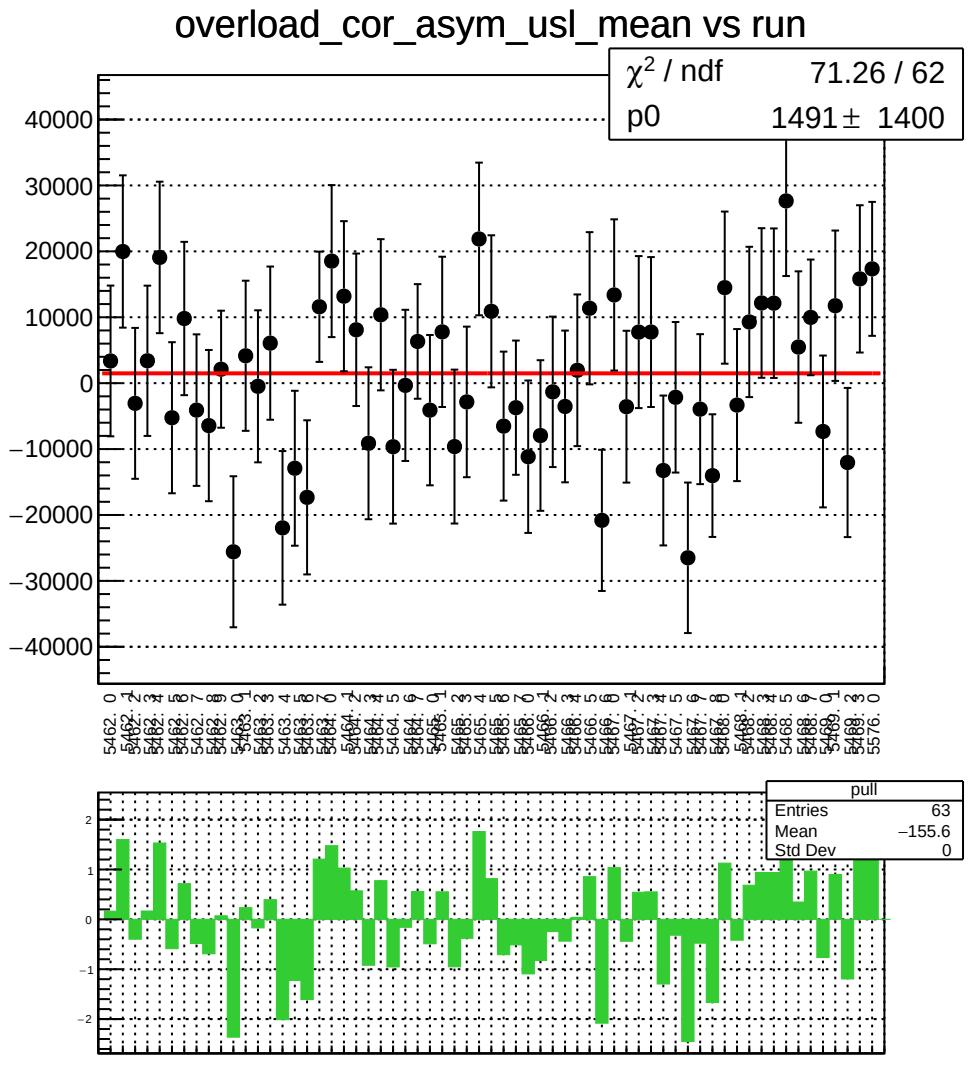

pull1D
Entries 63
Mean −0.0104
Std Dev 1.068

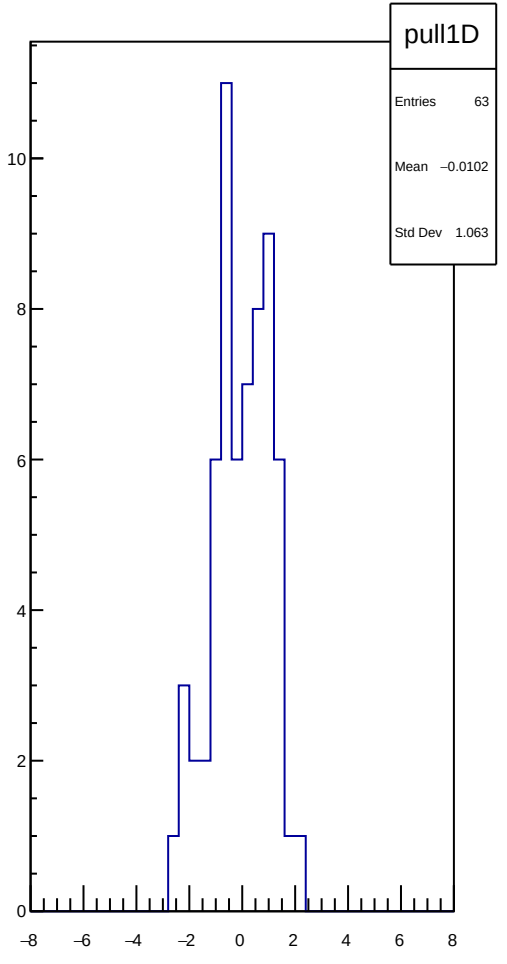

cor_asym_usl_rms vs run
χ² / ndf 107 / 62
p0 1090 ± 0.9904
1130
1120
1110
1100
1090
1080
1070
1060

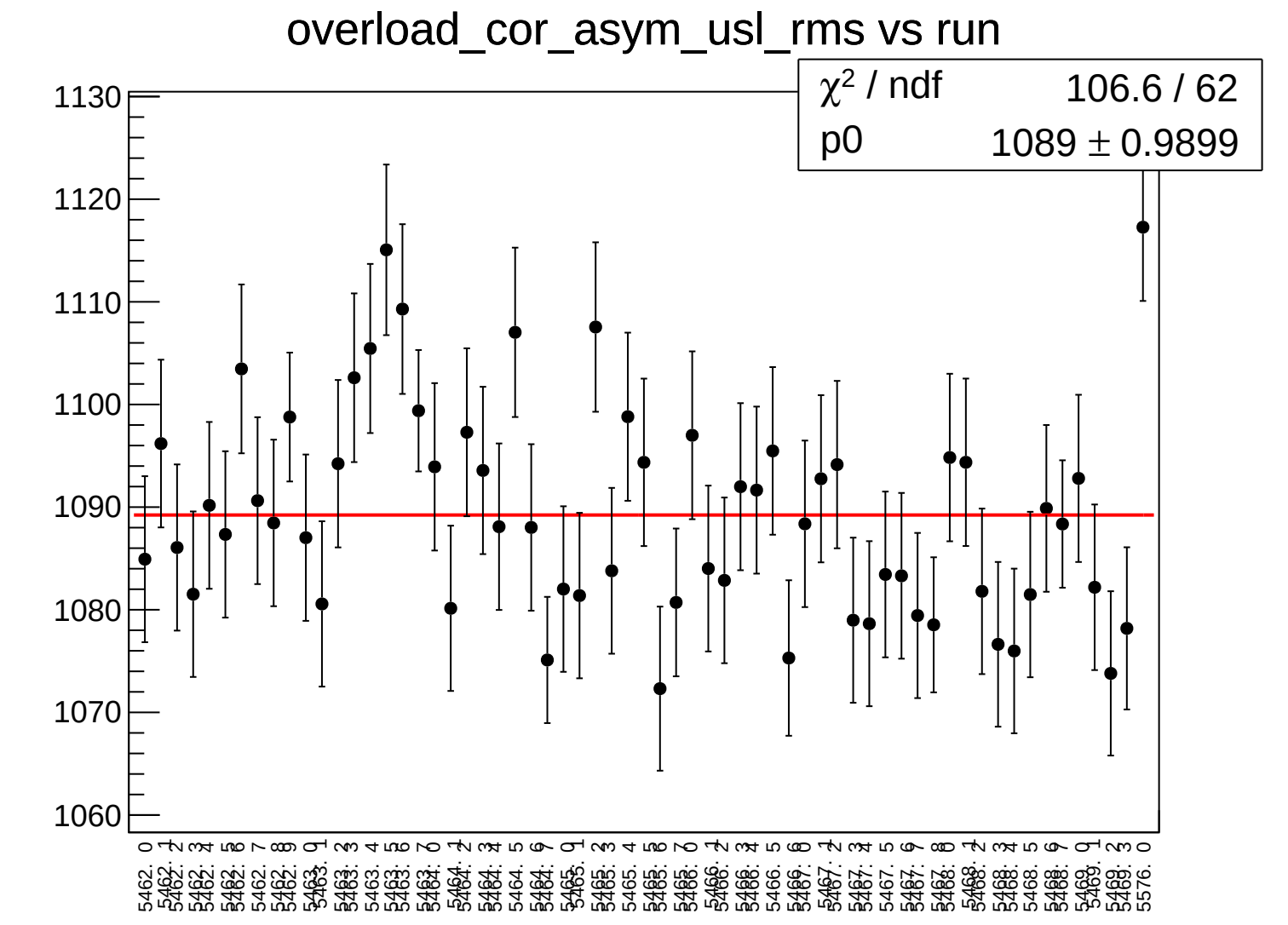

asym_usl_cor_correction_mean vs run
χ² / ndf 81.09 / 62
p0 −263.4 ± 1954
pull
Entries 63
Mean 148.3
Std Dev 0

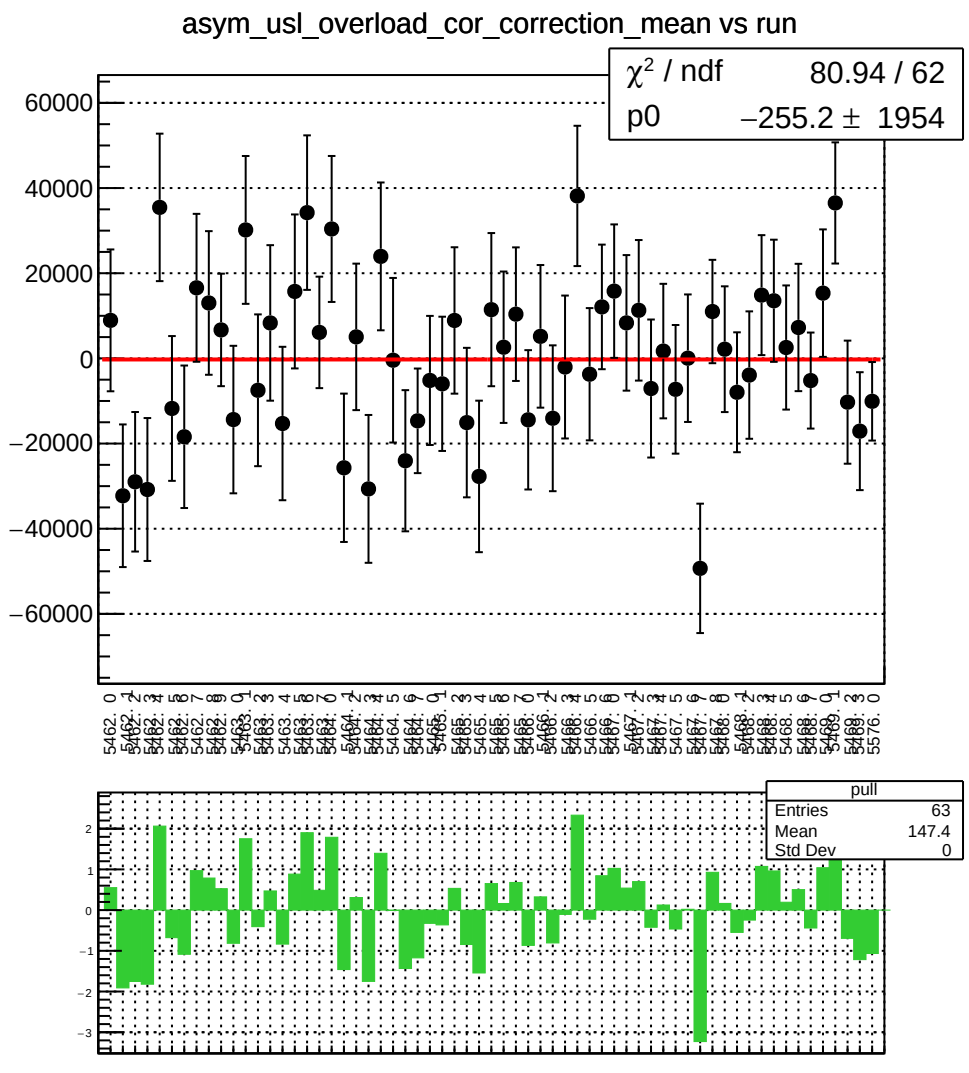

pull1D
Entries 63
Mean 0.01147
Std Dev 1.134

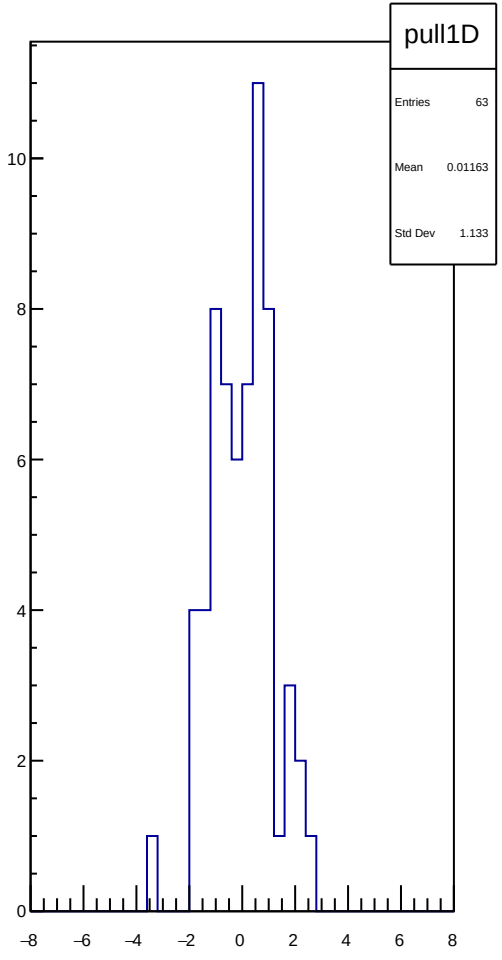

asym_usl_cor_correction_rms vs run
χ² / ndf 1.371e+04 / 62
p0 1512 ± 1.382
1800
1600
1400
1200
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

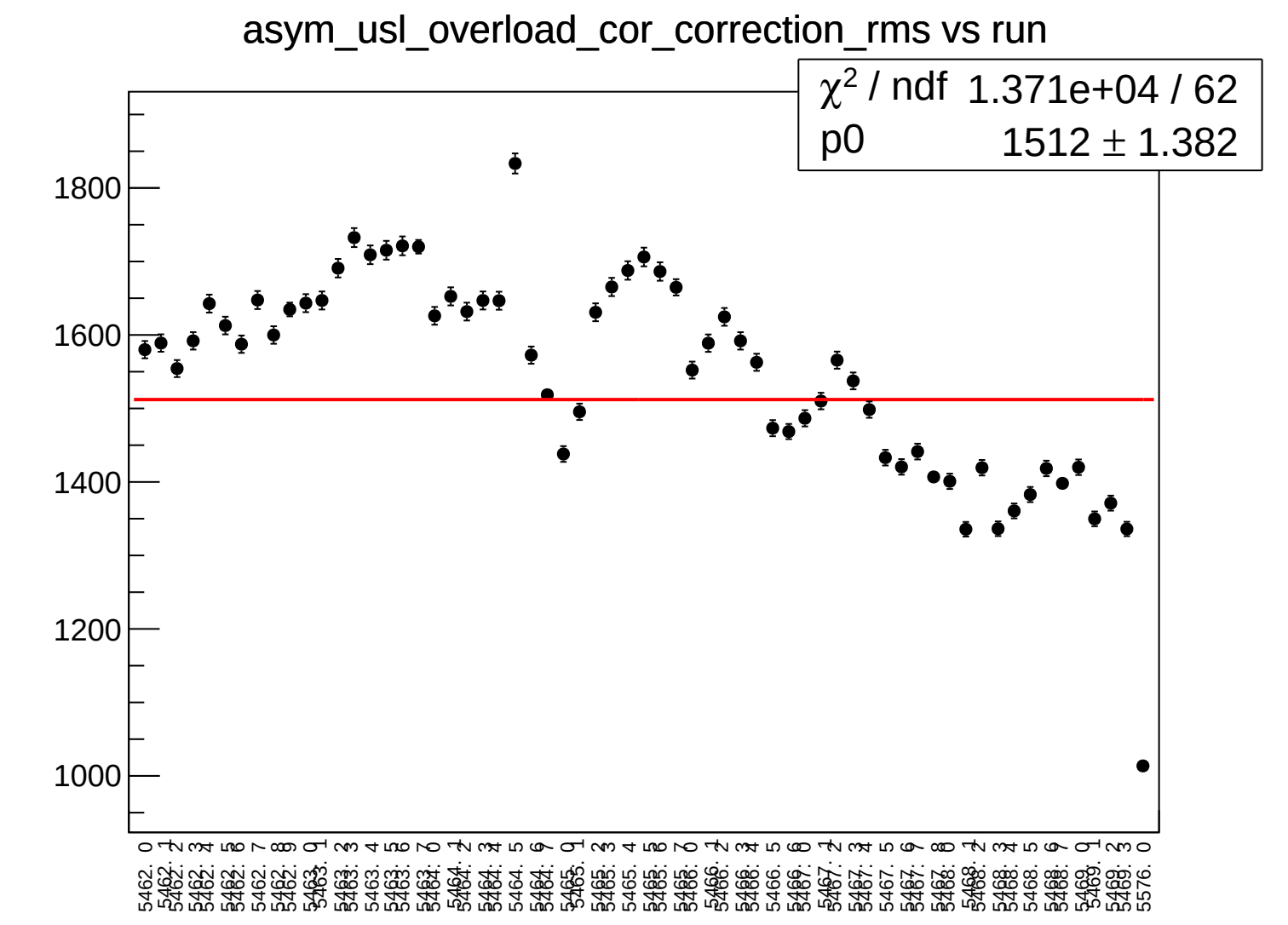

overload_cor_asym_usl_mean vs run
χ² / ndf 71.26 / 62
p0 1491 ± 1400
pull
Entries 63
Mean −155.6
Std Dev 0

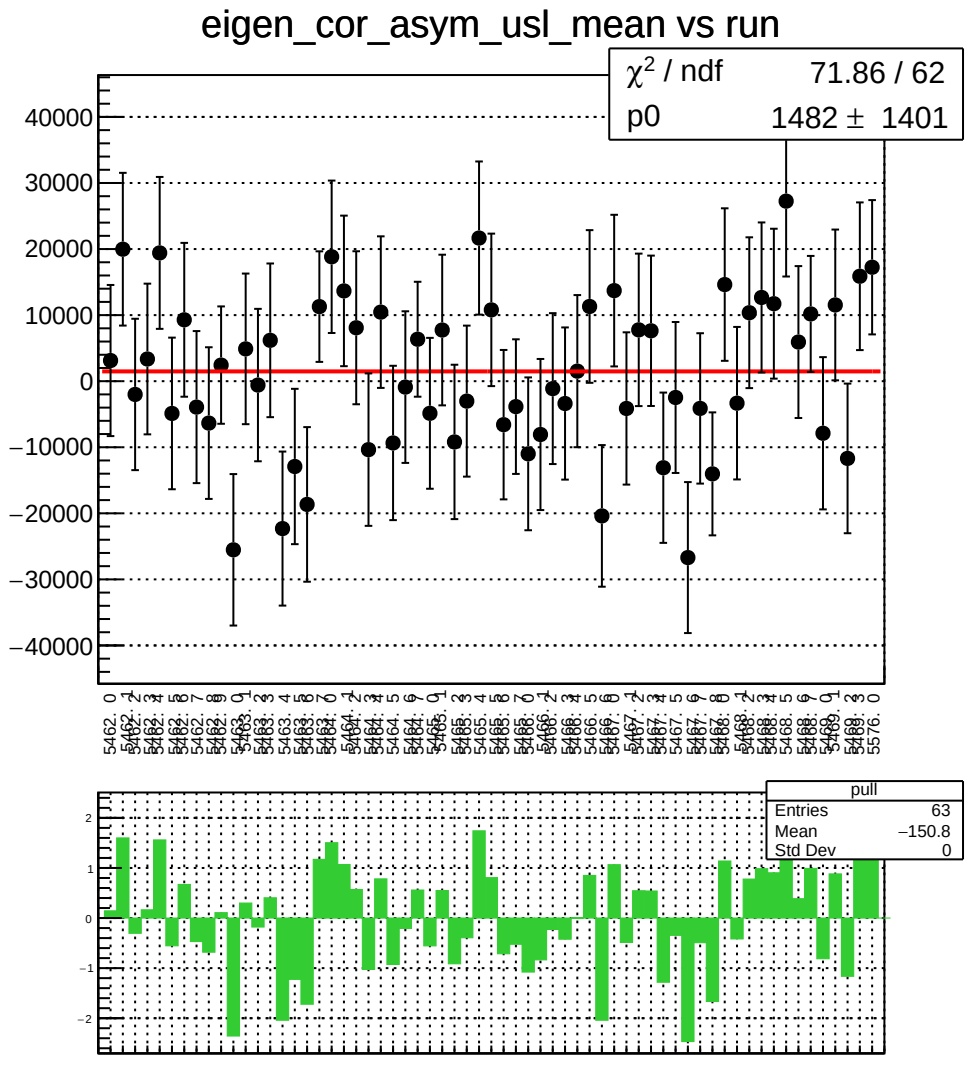

pull1D
Entries 63
Mean −0.0102
Std Dev 1.063

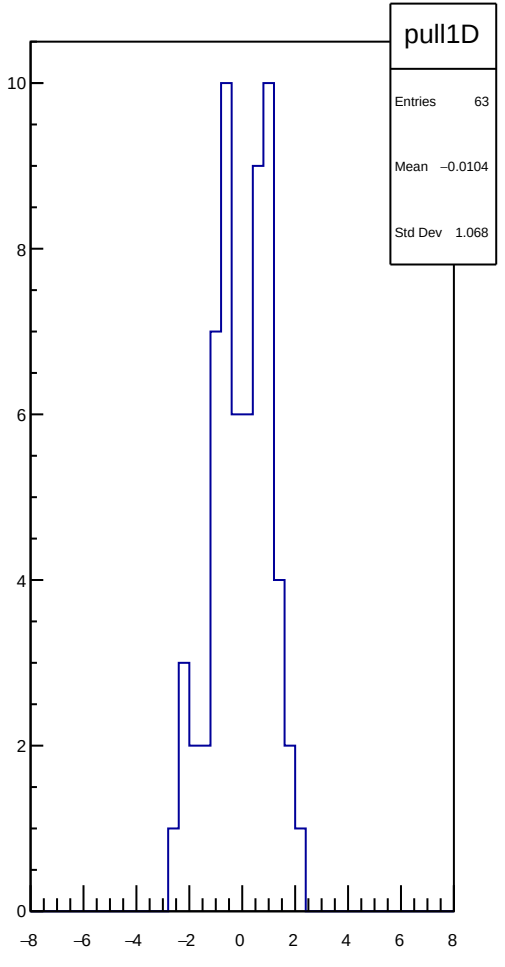

overload_cor_asym_usl_rms vs run
χ² / ndf 106.6 / 62
p0 1089 ± 0.9899
1130
1120
1110
1100
1090
1080
1070
1060

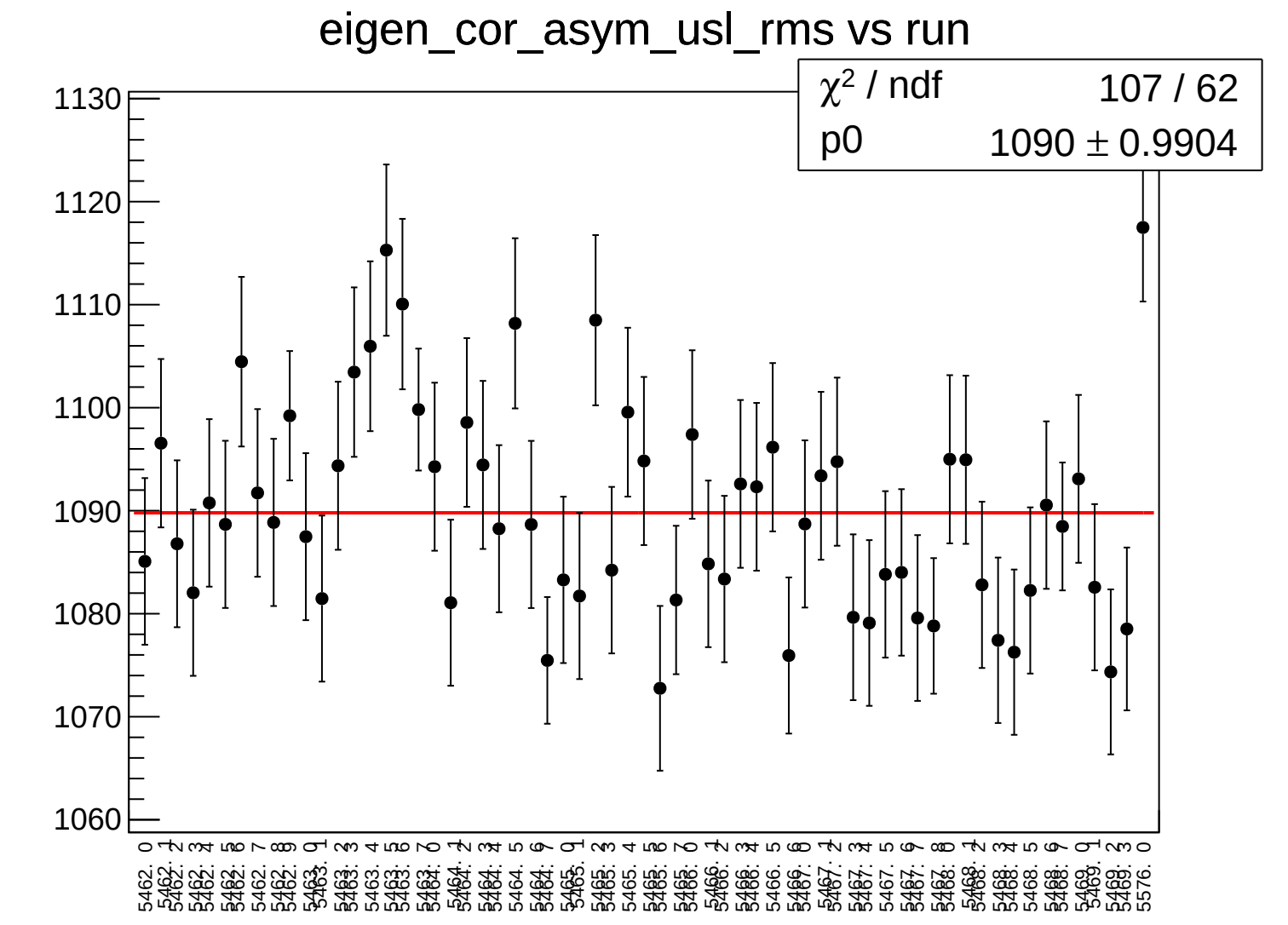

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 80.94 / 62
p0 −255.2 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 147.4
Std Dev 0
2
1
0
−1
−2
−3

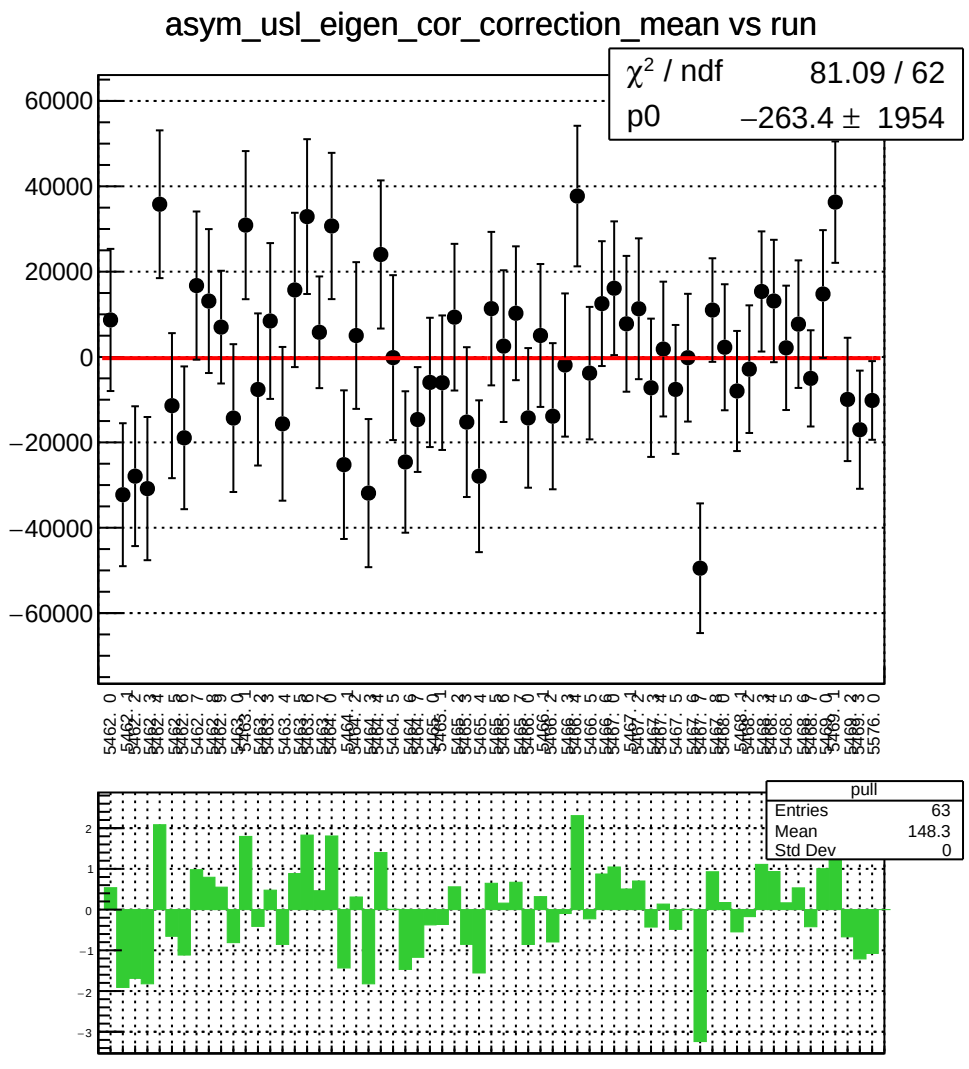

pull1D
Entries 63
Mean 0.01163
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

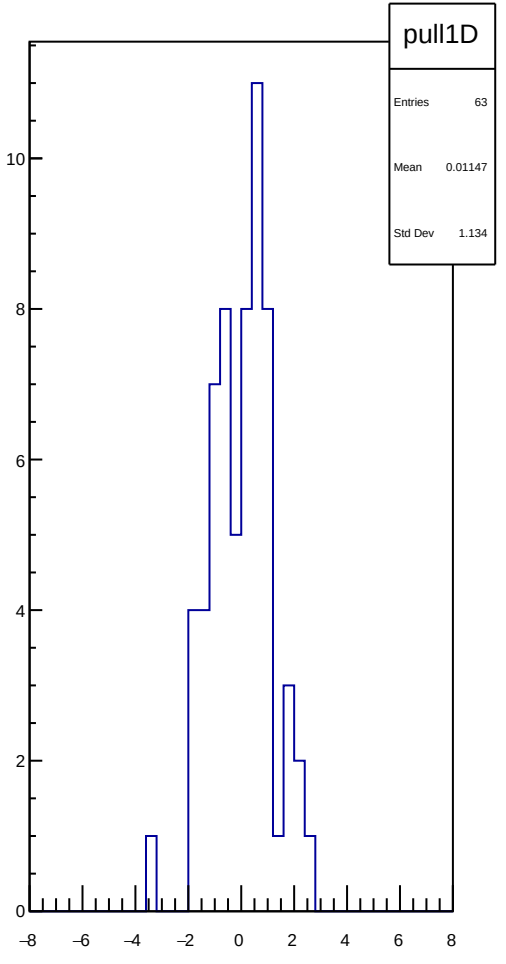

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 1.371e+04 / 62
p0 1512 ± 1.382
1800
1600
1400
1200
1000

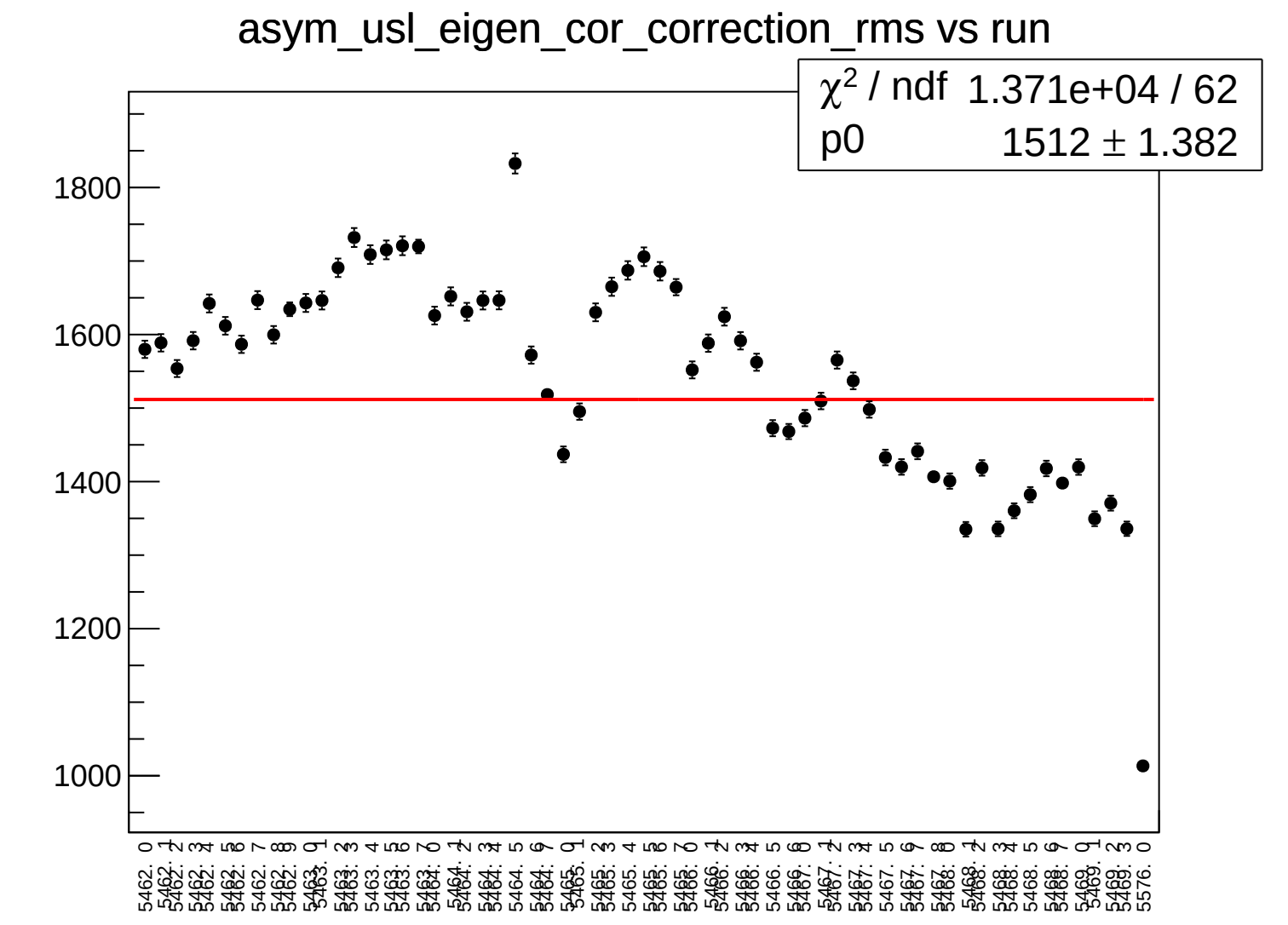

eigen_cor_asym_usl_mean vs run
χ^2 / ndf 71.86 / 62
p0 1482 ± 1401
pull
Entries 63
Mean −150.8
Std Dev 0

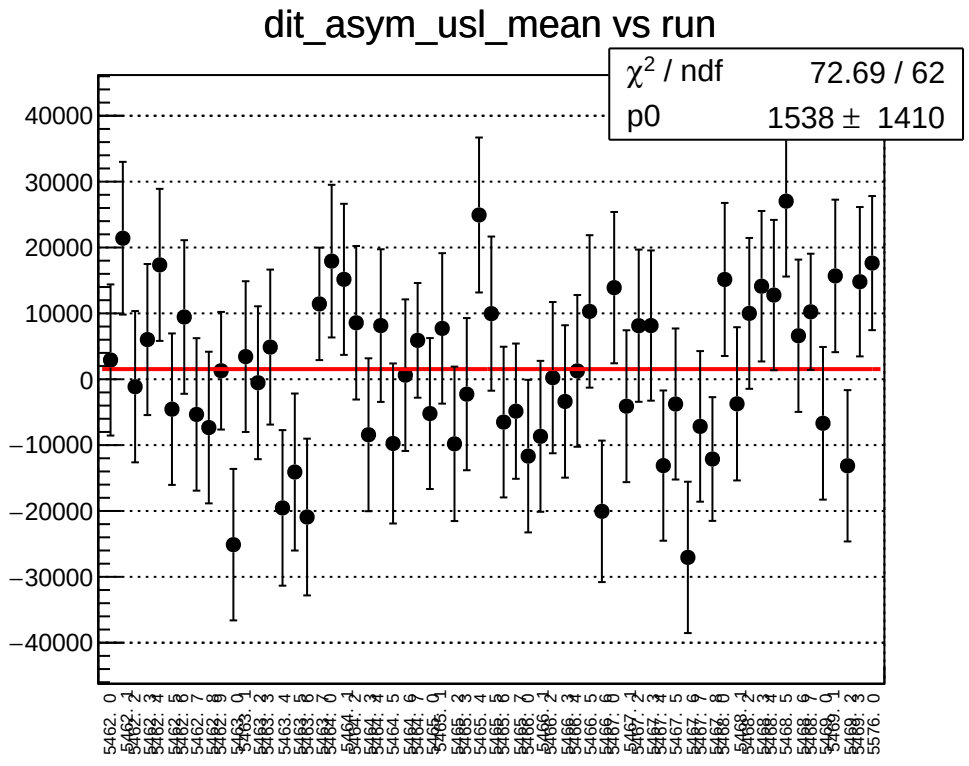

pull1D
Entries 63
Mean −0.0104
Std Dev 1.068

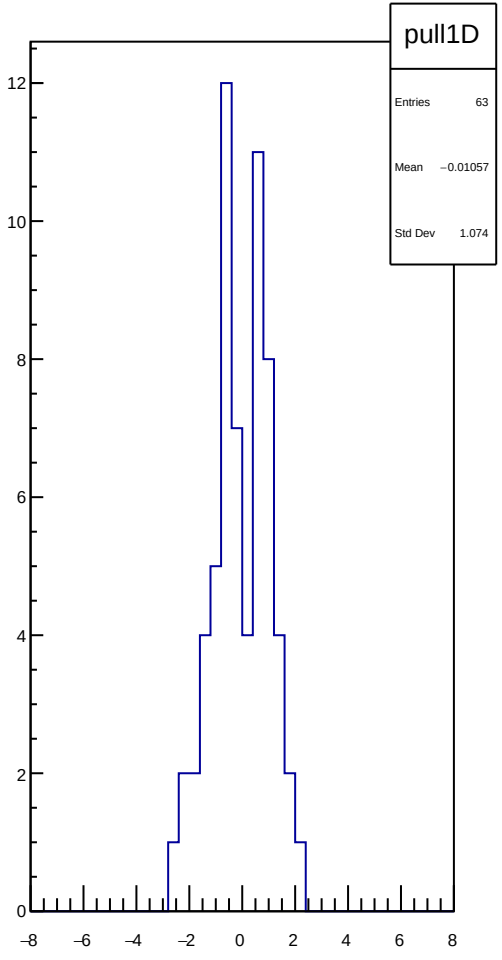

eigen_cor_asym_usl_rms vs run
χ² / ndf 107 / 62
p0 1090 ± 0.9904
1130
1120
1110
1100
1090
1080
1070
1060

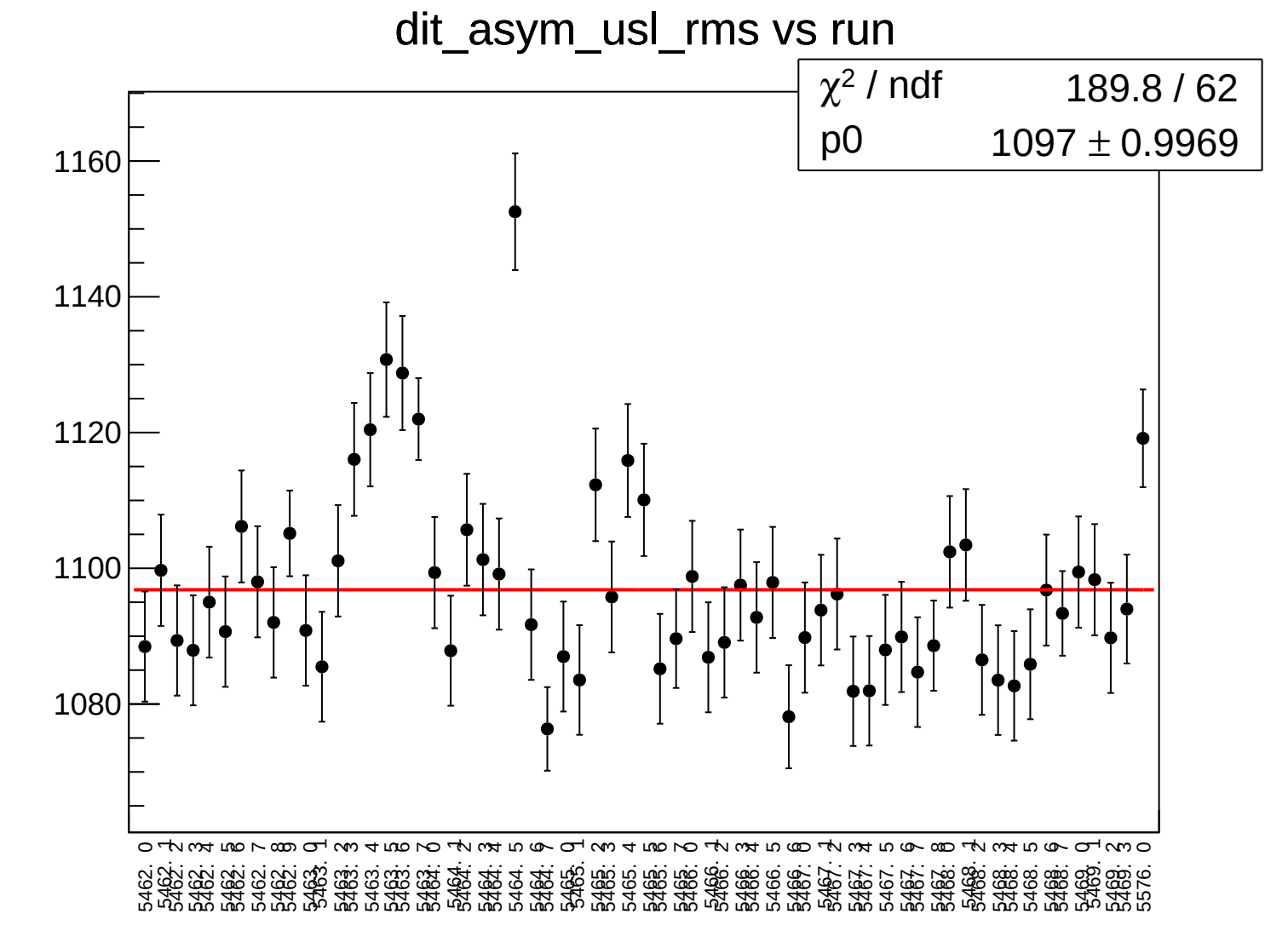

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 81.09 / 62
p0 −263.4 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 148.3
Std Dev 0
2
1
0
−1
−2
−3

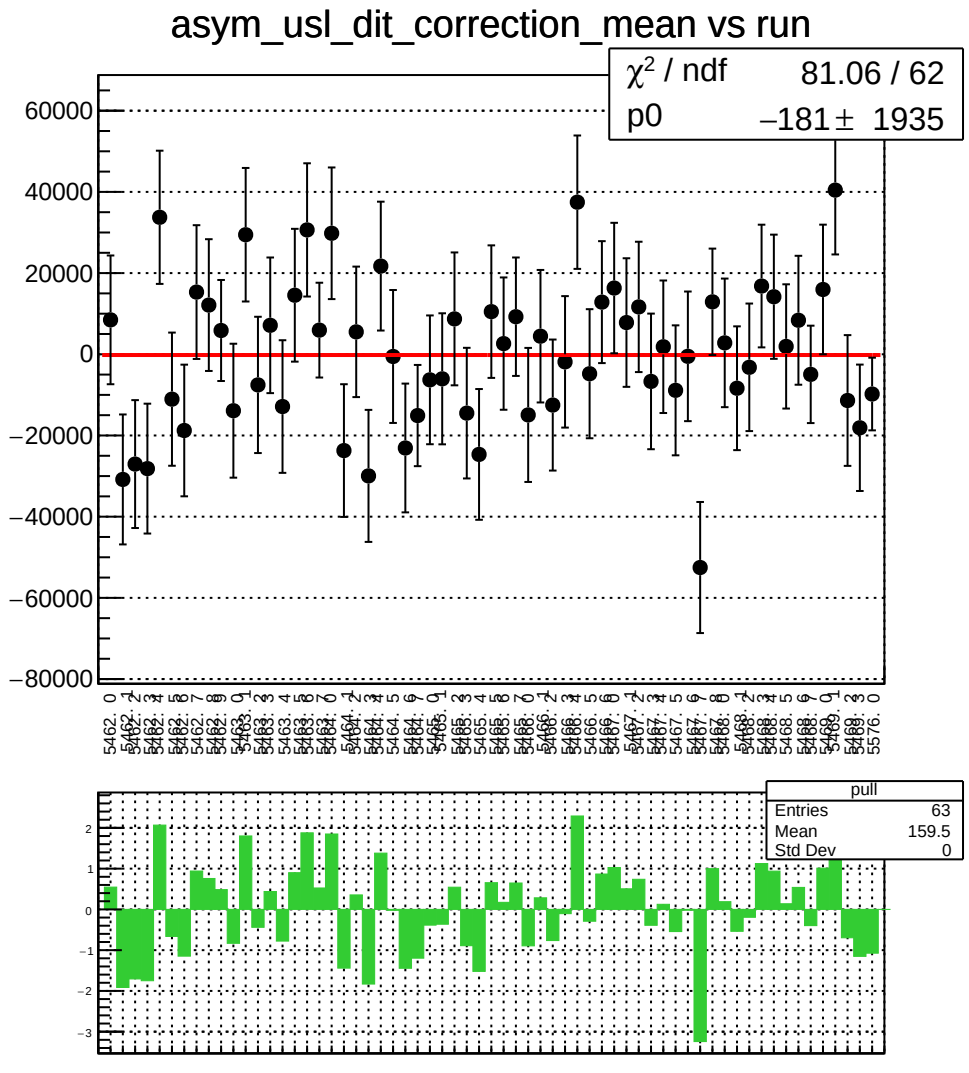

pull1D
Entries 63
Mean 0.01147
Std Dev 1.134
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

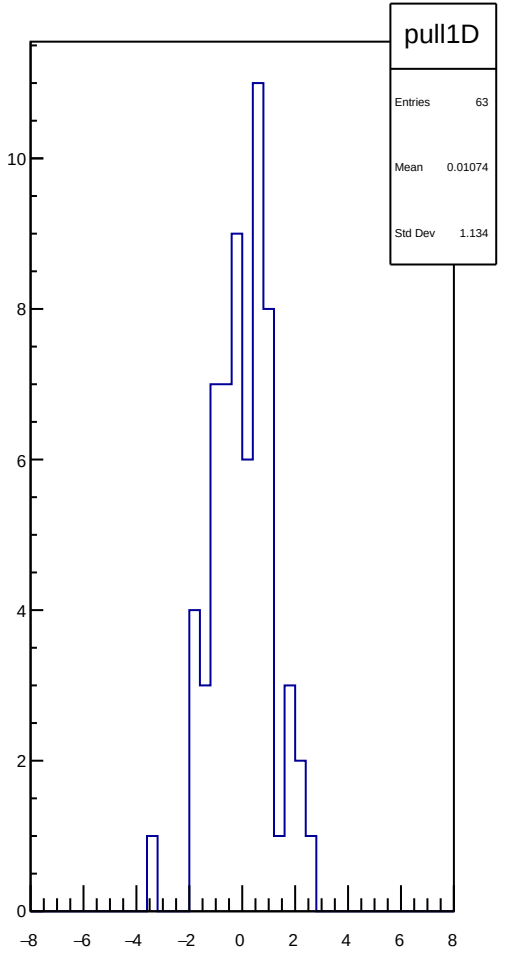

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 1.371e+04 / 62
p0 1512 ± 1.382
1800
1600
1400
1200
1000

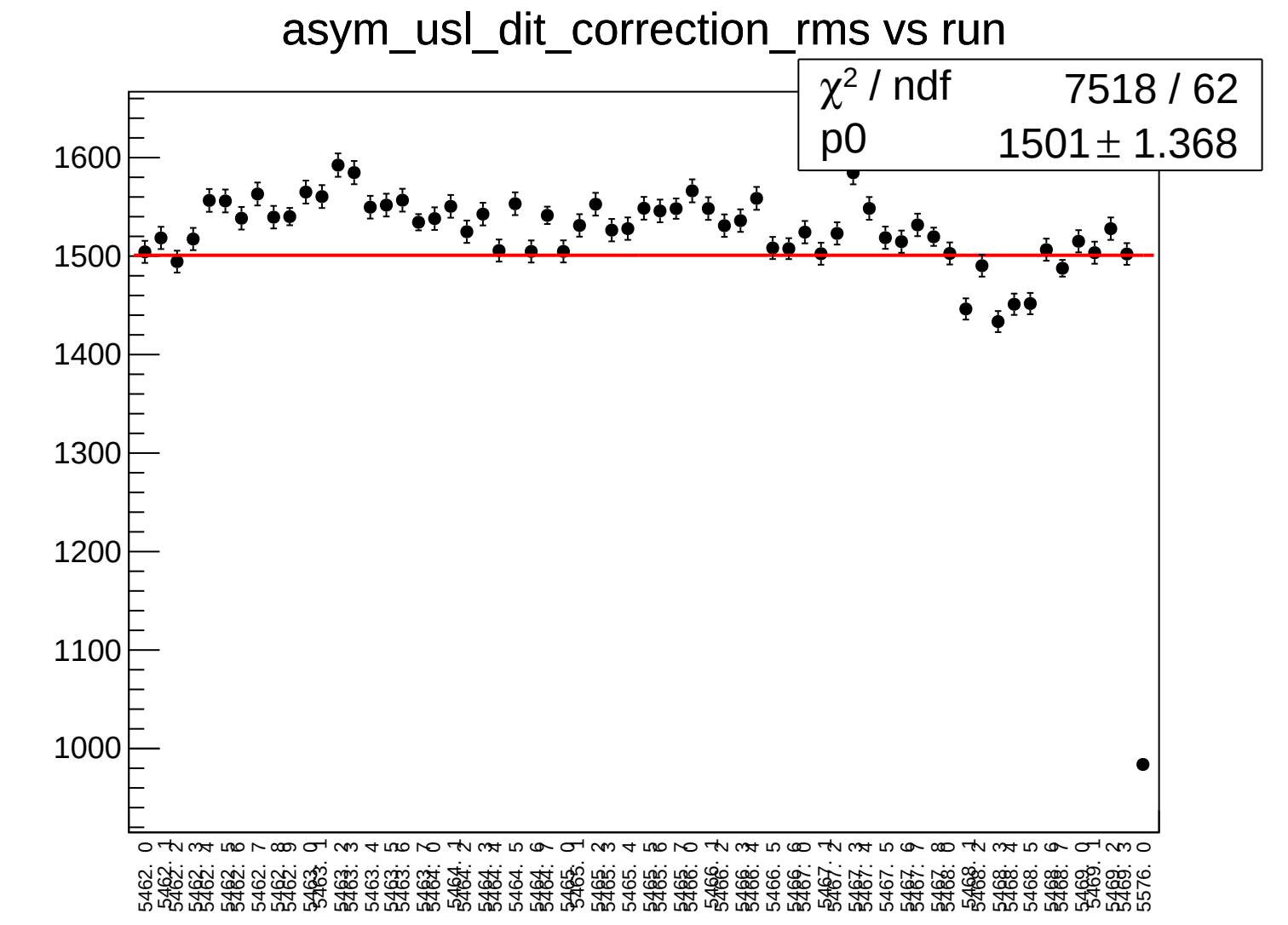

dit_asym_usl_mean vs run
χ² / ndf 72.69 / 62
p0 1538 ± 1410
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 63
Mean −165.2
Std Dev 0
2
1
0
−1
−2

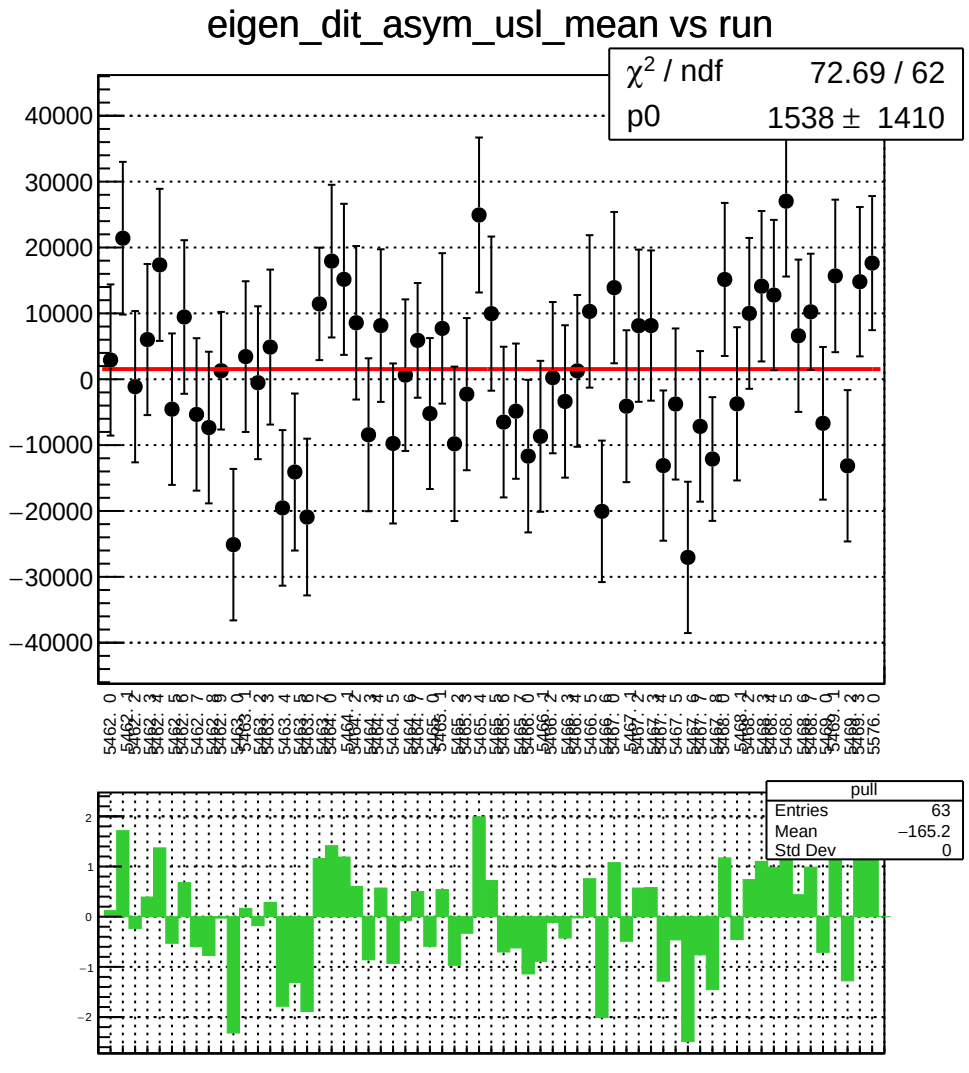

pull1D
Entries 63
Mean −0.01057
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

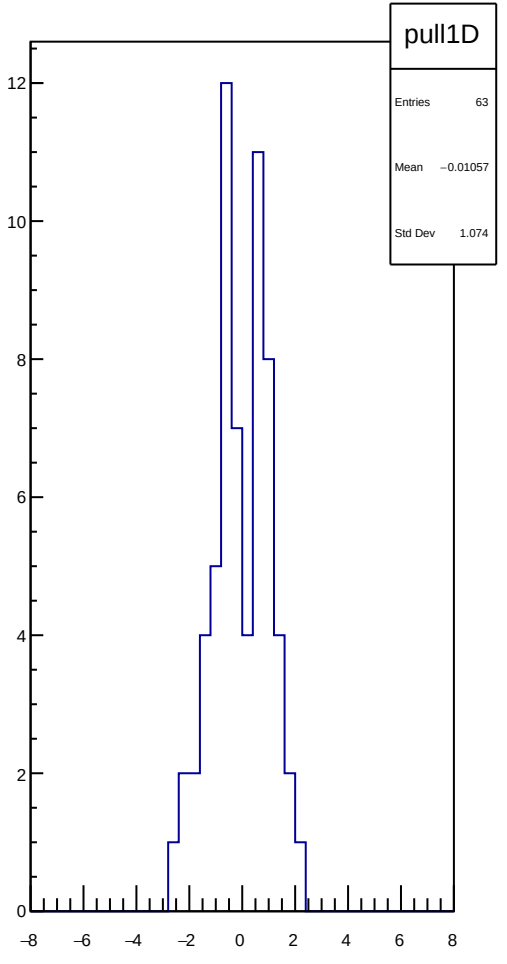

dit_asym_usl_rms vs run
χ² / ndf 189.8 / 62
p0 1097 ± 0.9969
1160
1140
1120
1100
1080

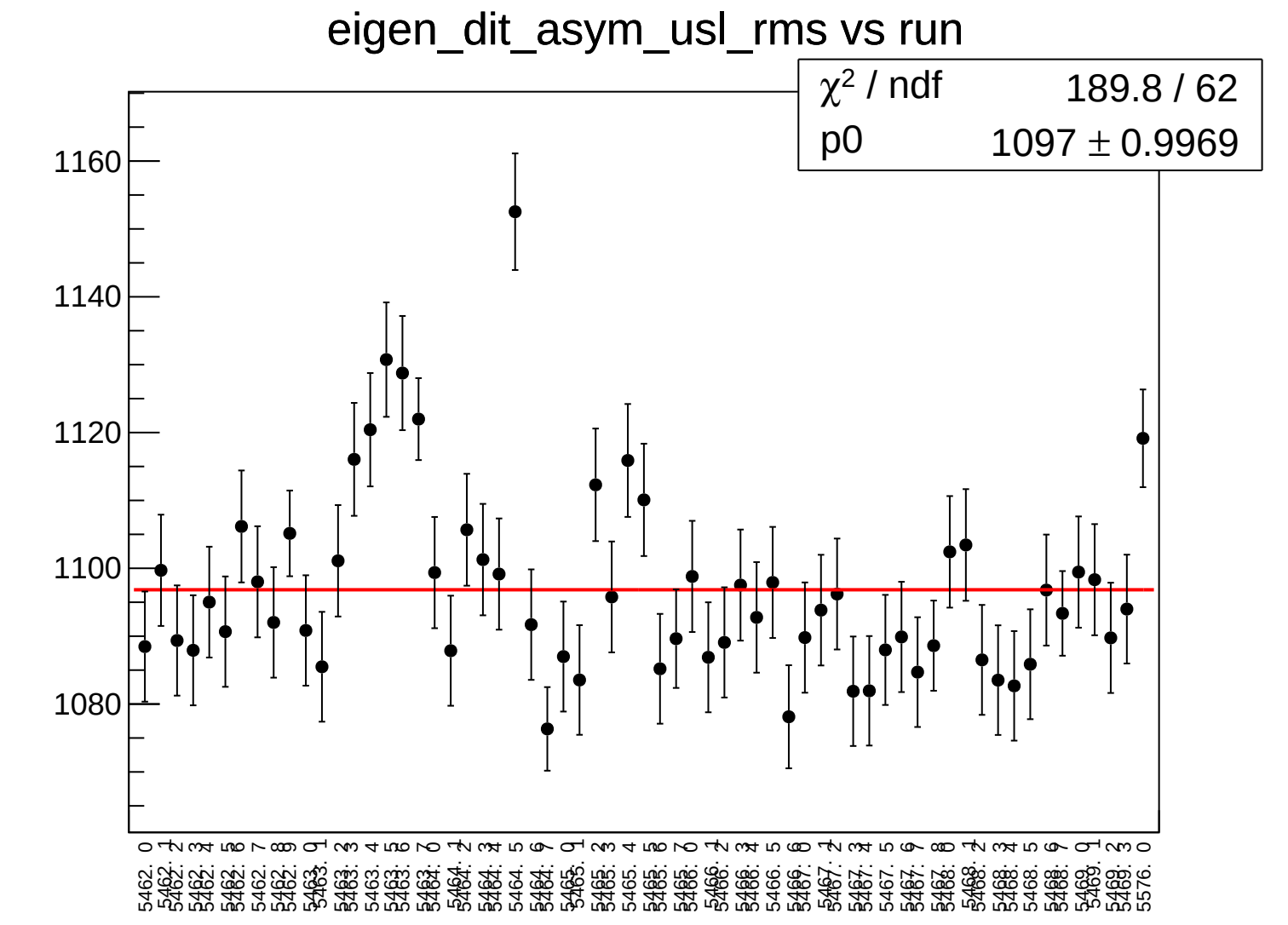

asym_usl_dit_correction_mean vs run
χ² / ndf 81.06 / 62
p0 −181 ± 1935
pull
Entries 63
Mean 159.5
Std Dev 0

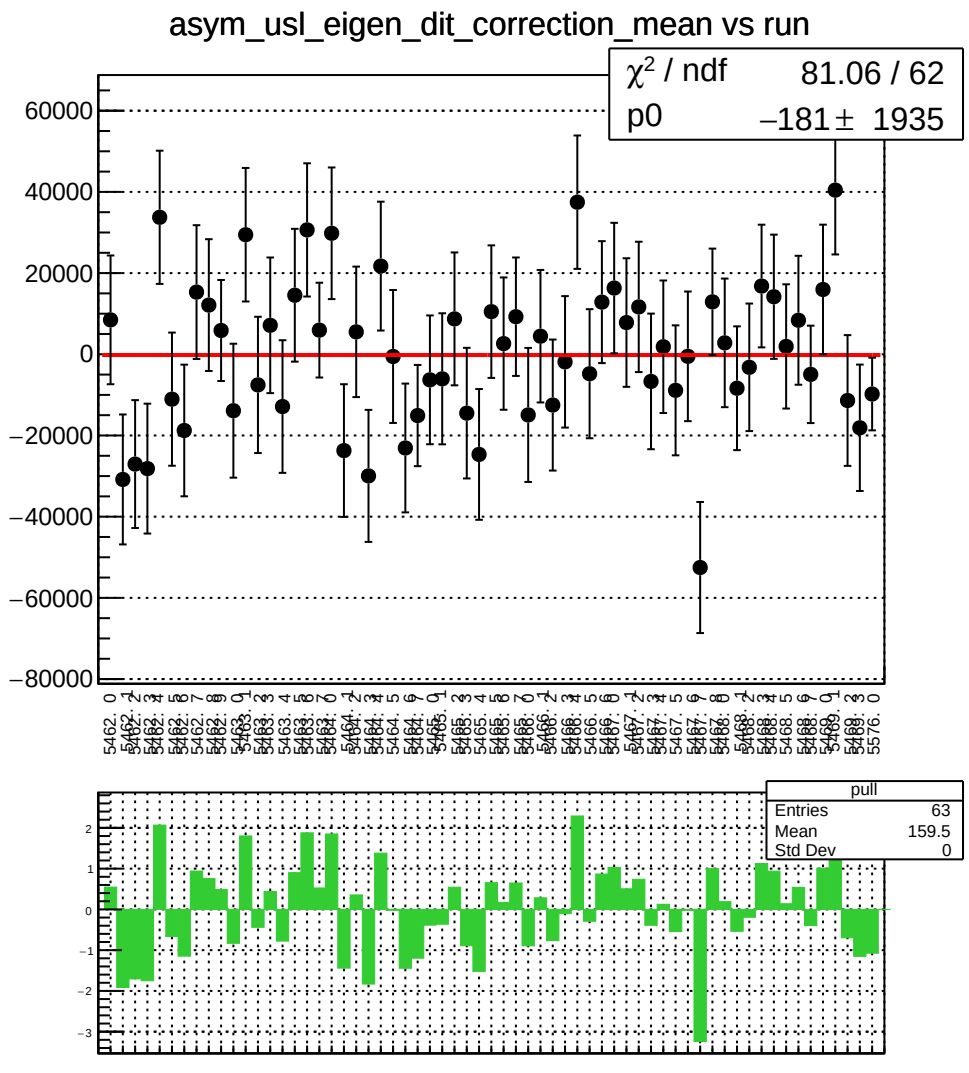

pull1D
Entries 63
Mean 0.01074
Std Dev 1.134

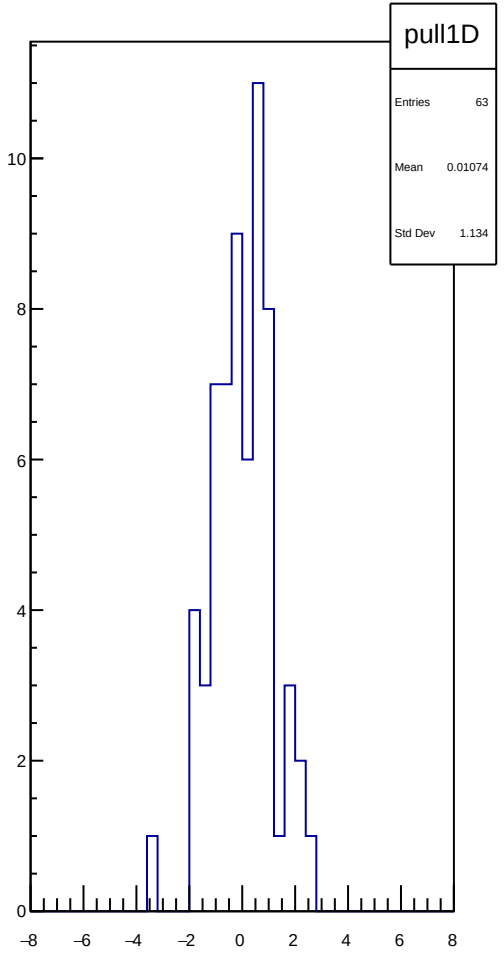

asym_usl_dit_correction_rms vs run
χ² / ndf 7518 / 62
p0 1501 ± 1.368
1600
1500
1400
1300
1200
1100
1000

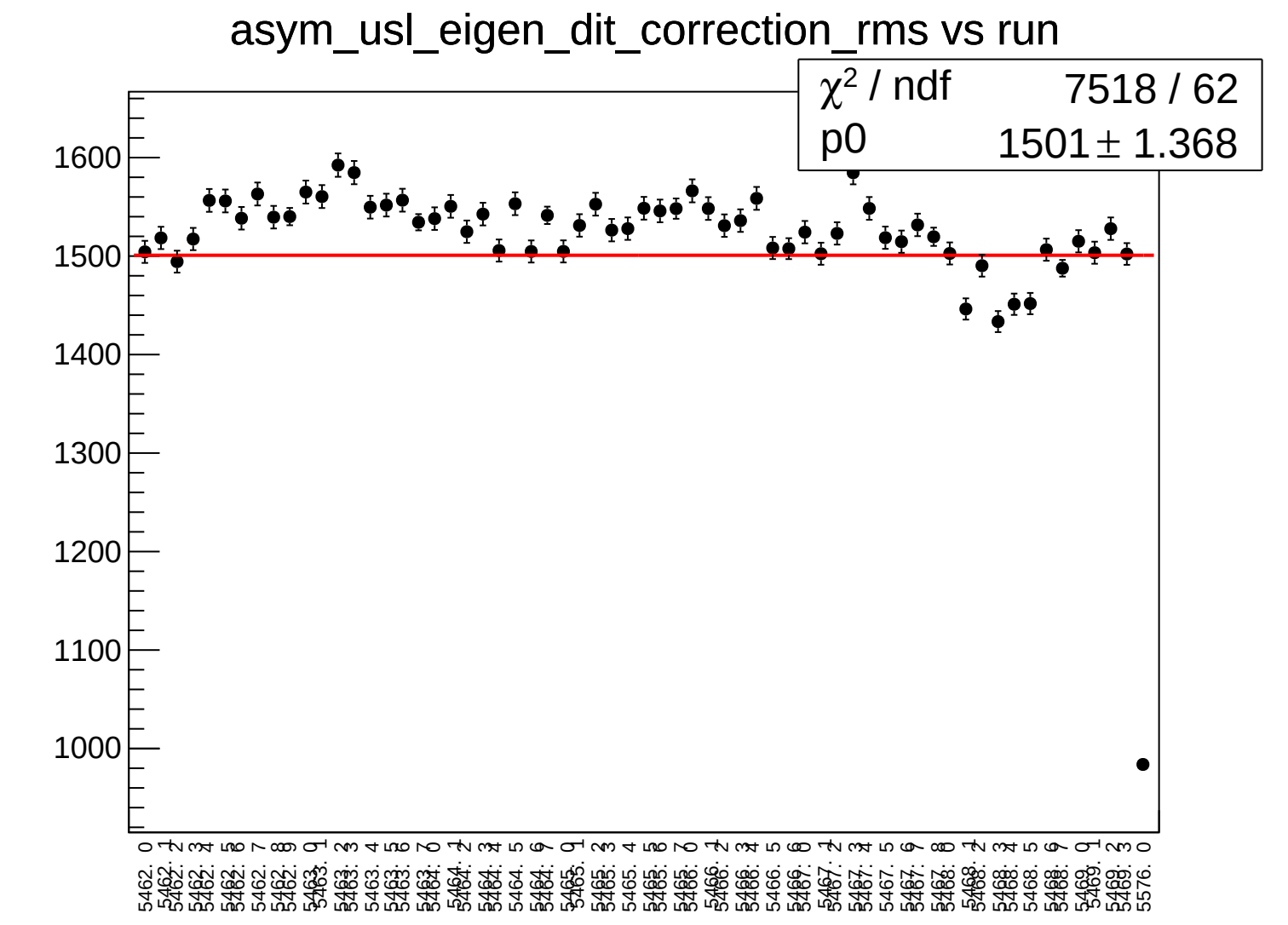

eigen_dit_asym_usl_mean vs run
χ² / ndf 72.69 / 62
p0 1538 ± 1410
pull
Entries 63
Mean −165.2
Std Dev 0

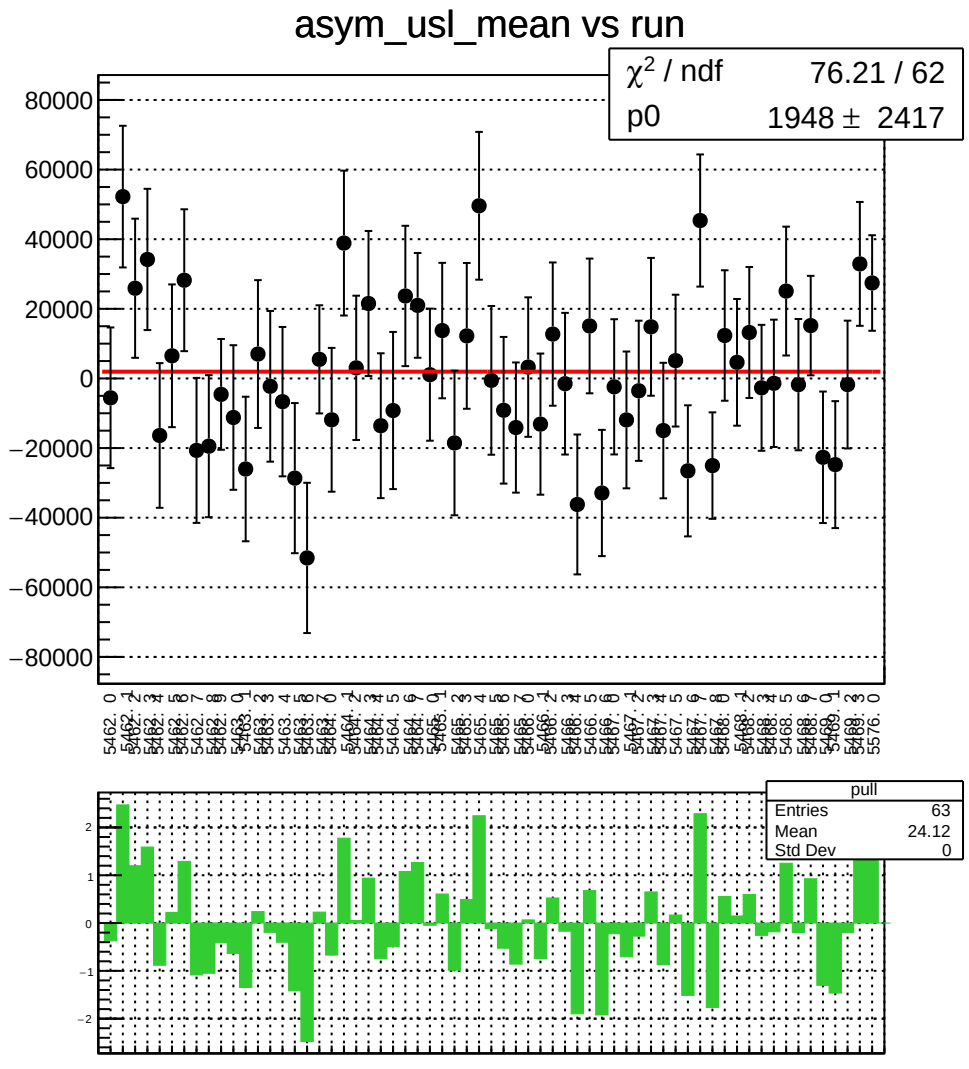

pull1D
Entries 63
Mean −0.01057
Std Dev 1.074

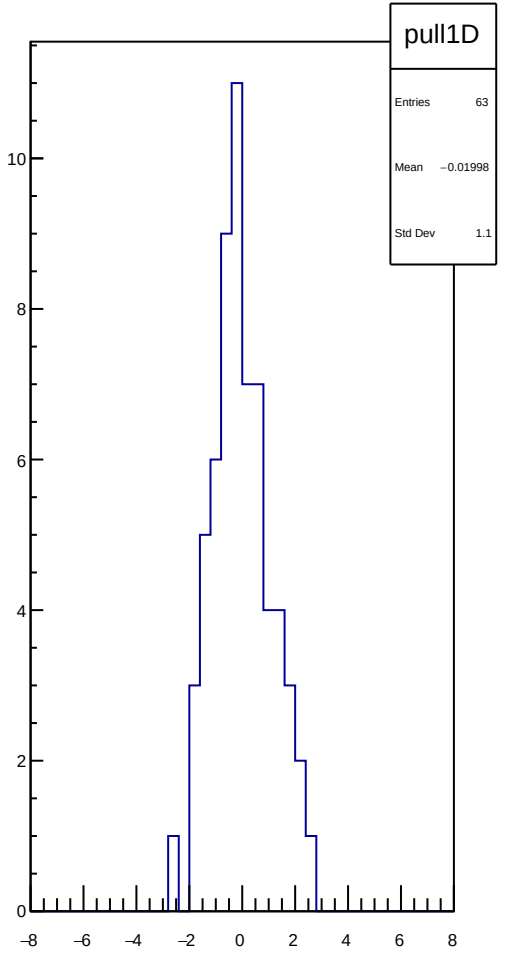

eigen_dit_asym_usl_rms vs run
χ² / ndf 189.8 / 62
p0 1097 ± 0.9969
1160
1140
1120
1100
1080

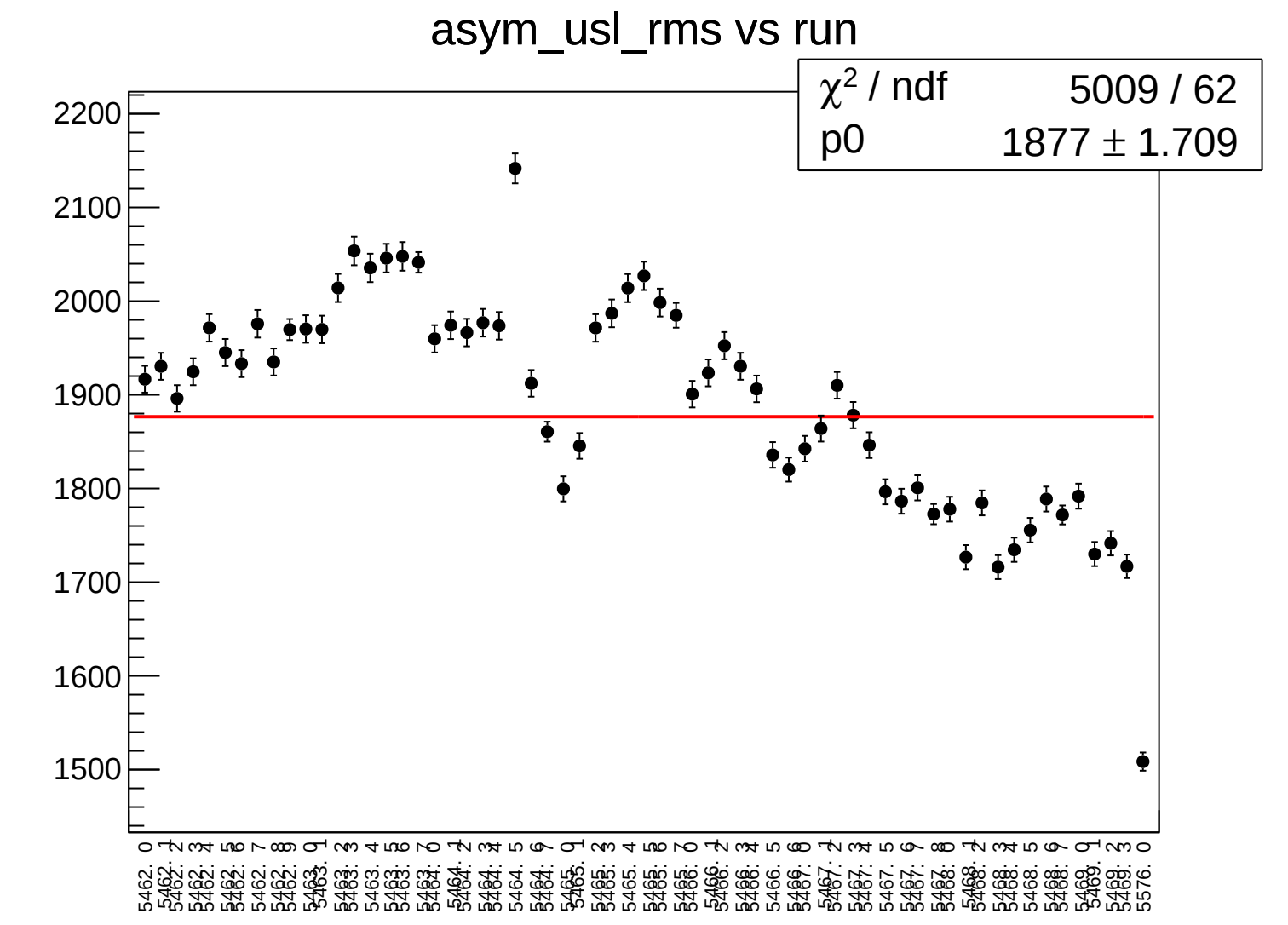

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 81.06 / 62
p0 −181 ± 1935
pull
Entries 63
Mean 159.5
Std Dev 0

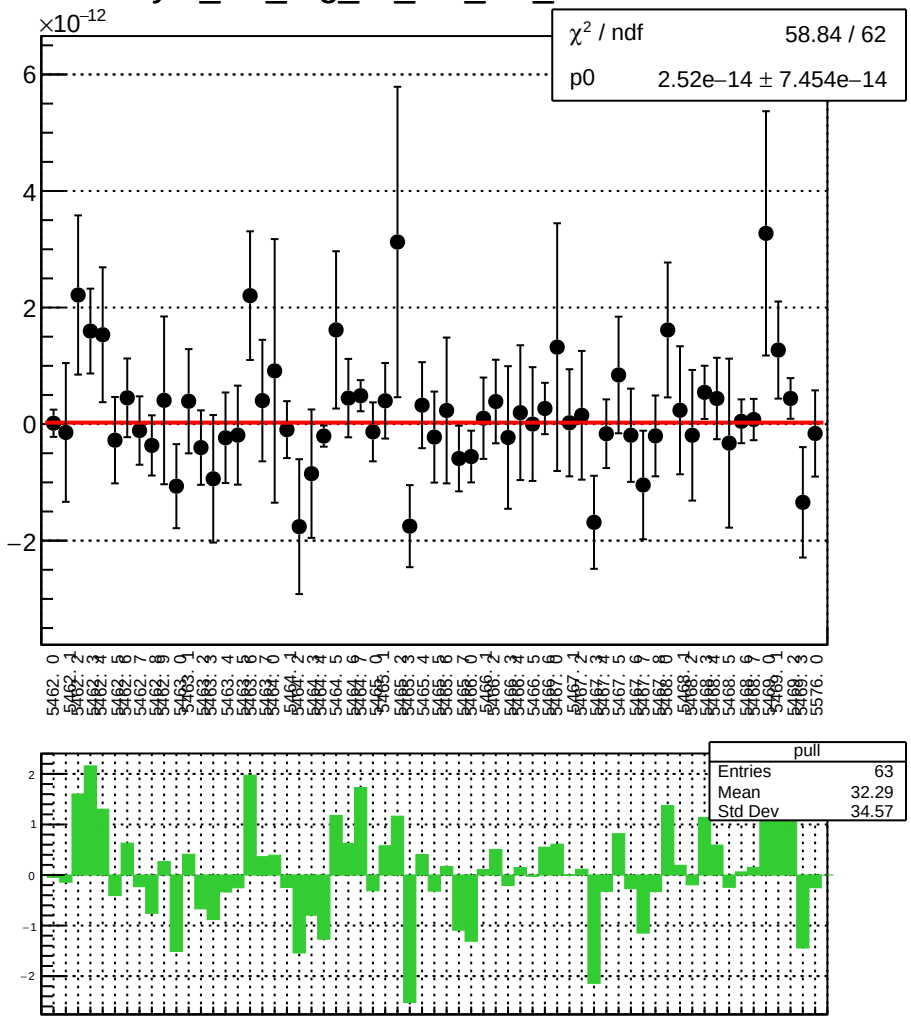

pull1D
Entries 63
Mean 0.01074
Std Dev 1.134

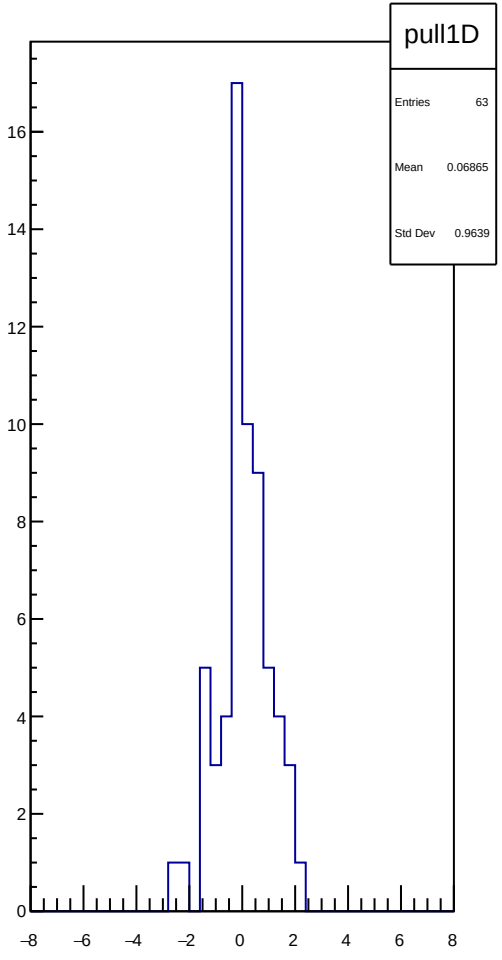

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 7518 / 62
p0 1501 ± 1.368
1600
1500
1400
1300
1200
1100
1000

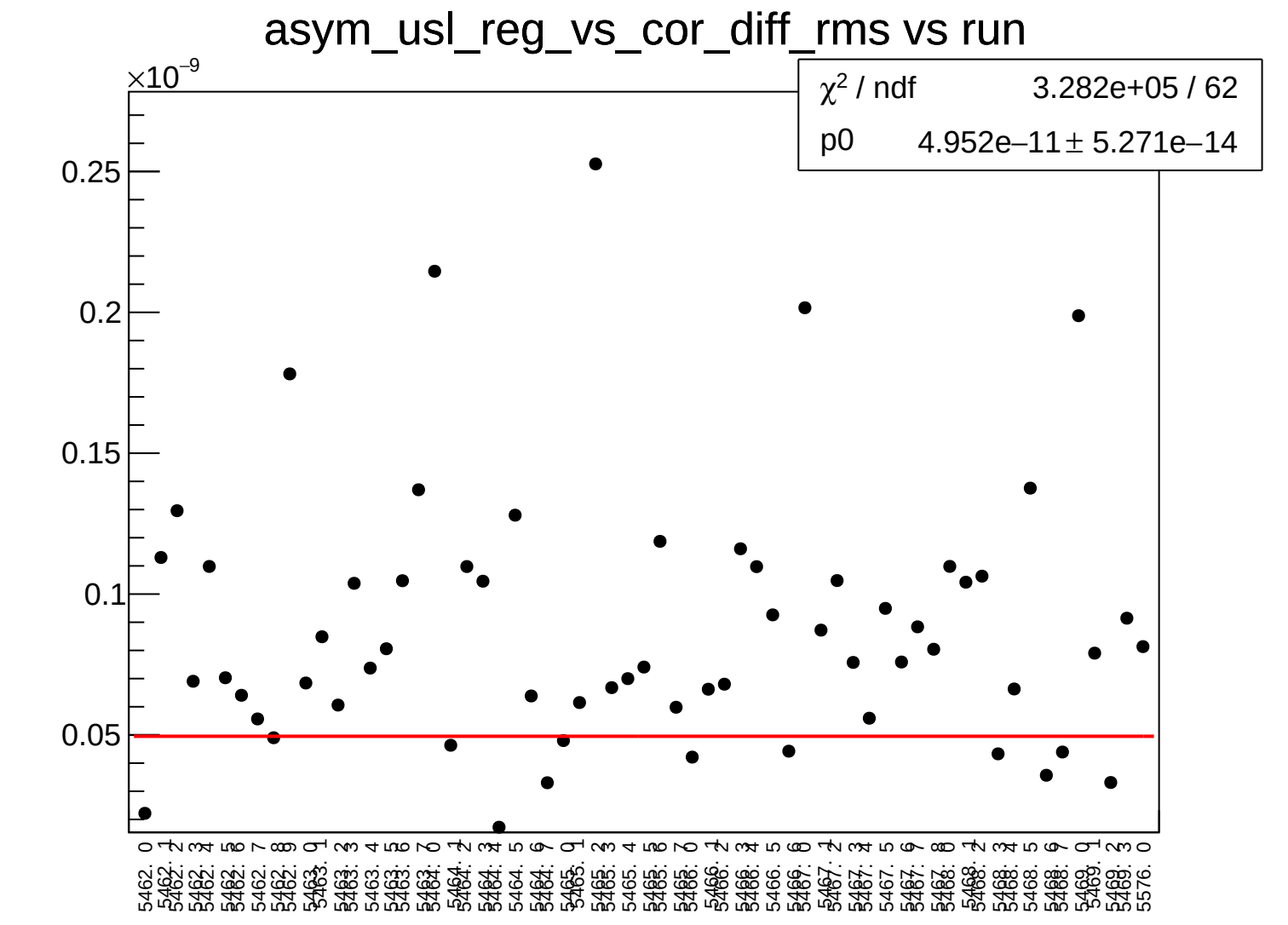

asym_usl_mean vs run
χ² / ndf 76.21 / 62
p0 1948 ± 2417
pull
Entries 63
Mean 24.12
Std Dev 0

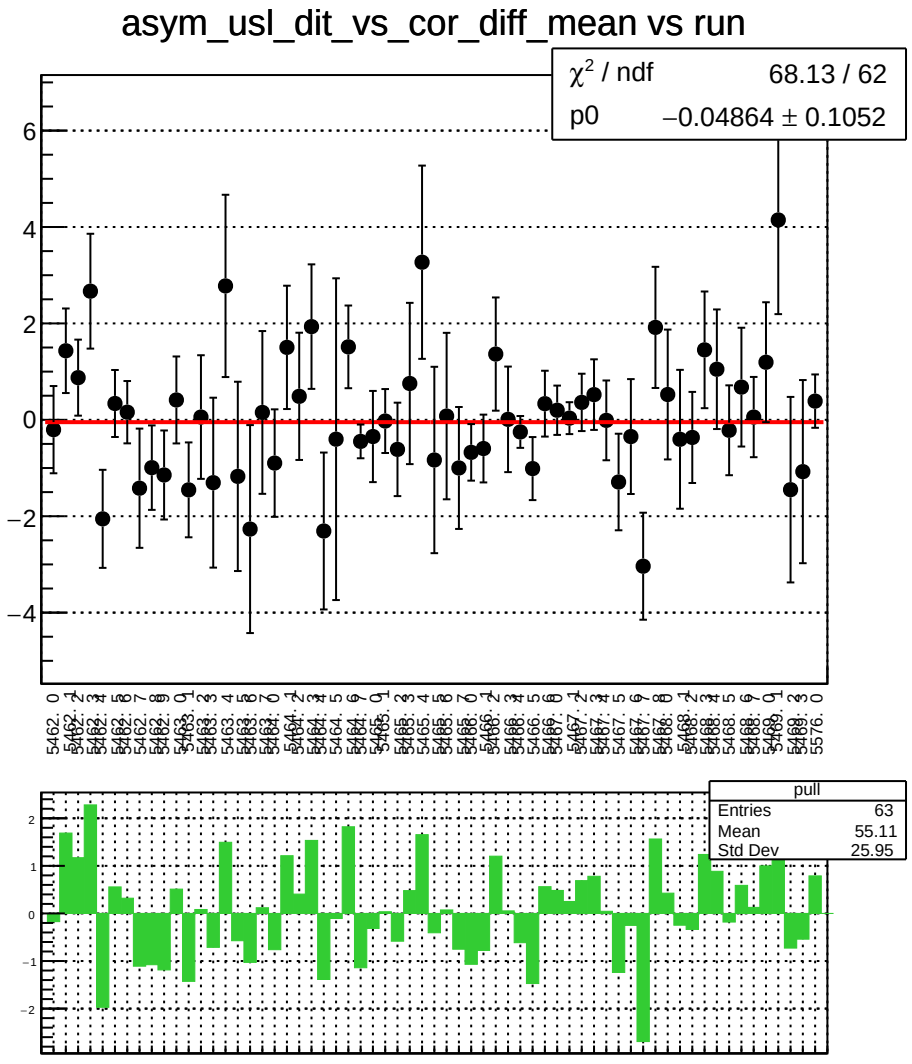

pull1D
Entries 63
Mean −0.01998
Std Dev 1.1

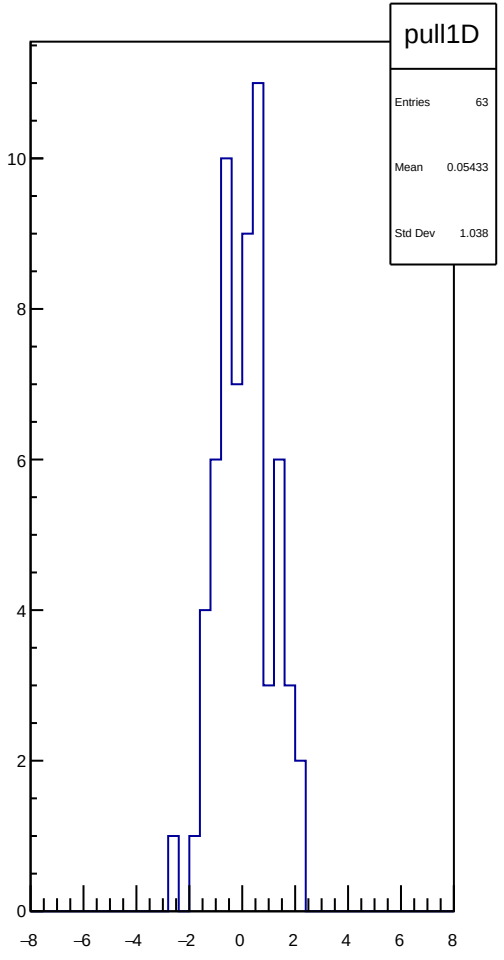

asym_usl_rms vs run
χ² / ndf 5009 / 62
p0 1877 ± 1.709
2200
2100
2000
1900
1800
1700
1600
1500

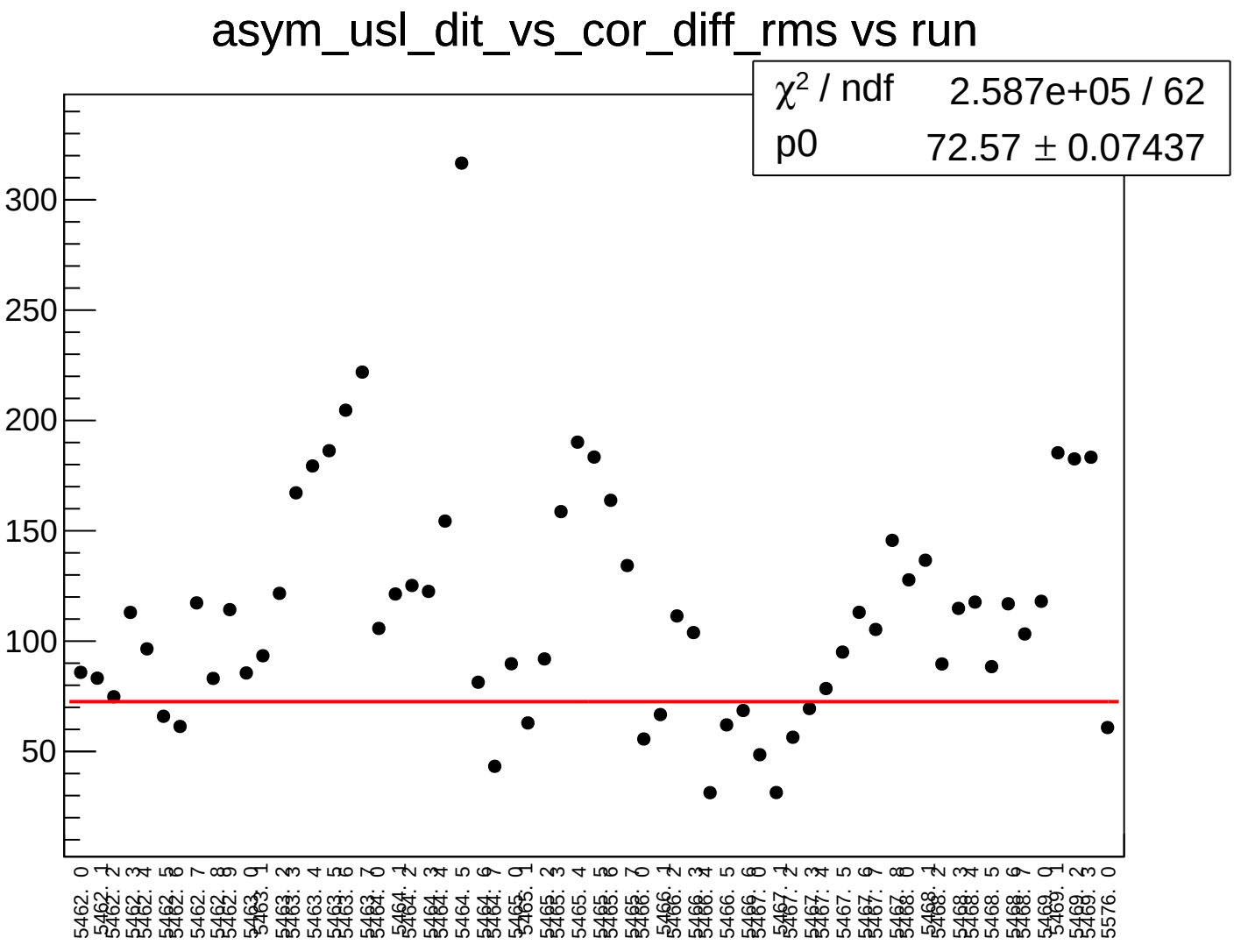

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.84 / 62
p0 2.52e−14 ± 7.454e−14
pull
Entries 63
Mean 32.29
Std Dev 34.57

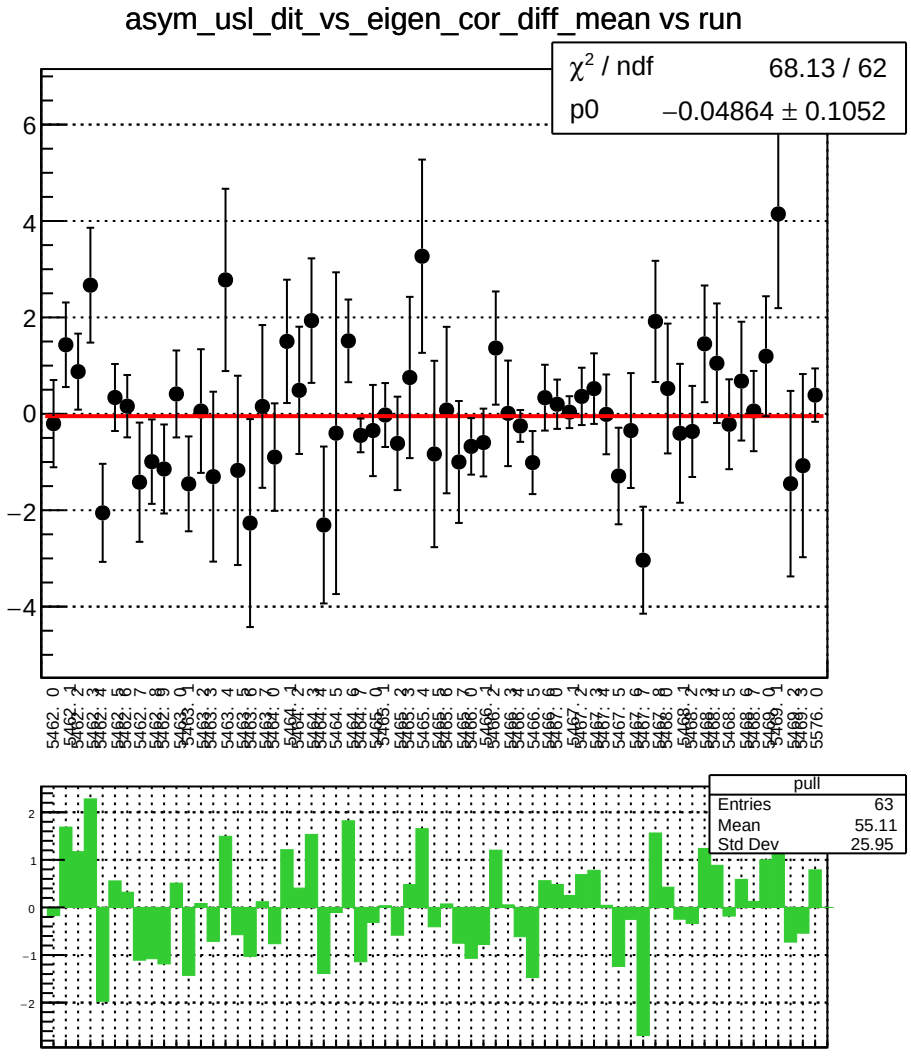

pull1D
Entries 63
Mean 0.06865
Std Dev 0.9639

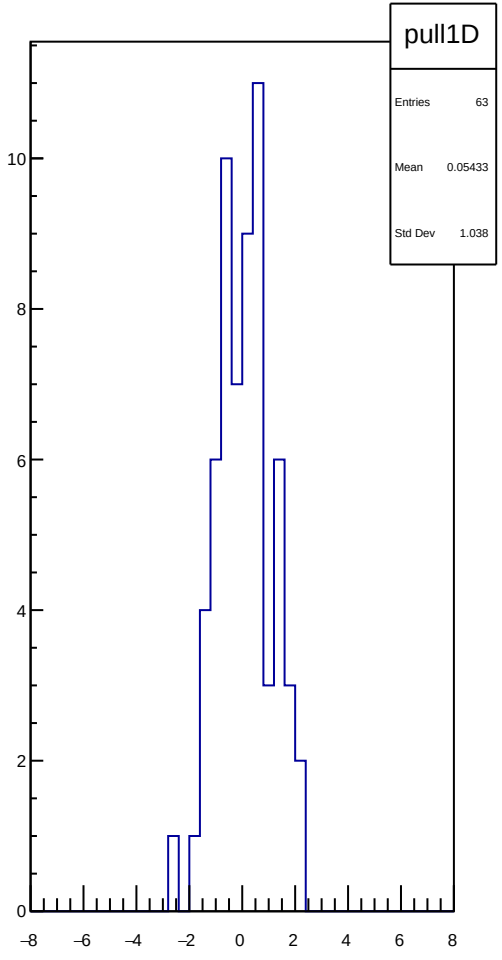

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.282e+05 / 62
p0 4.952e−11 ± 5.271e−14
0.25
0.2
0.15
0.1
0.05

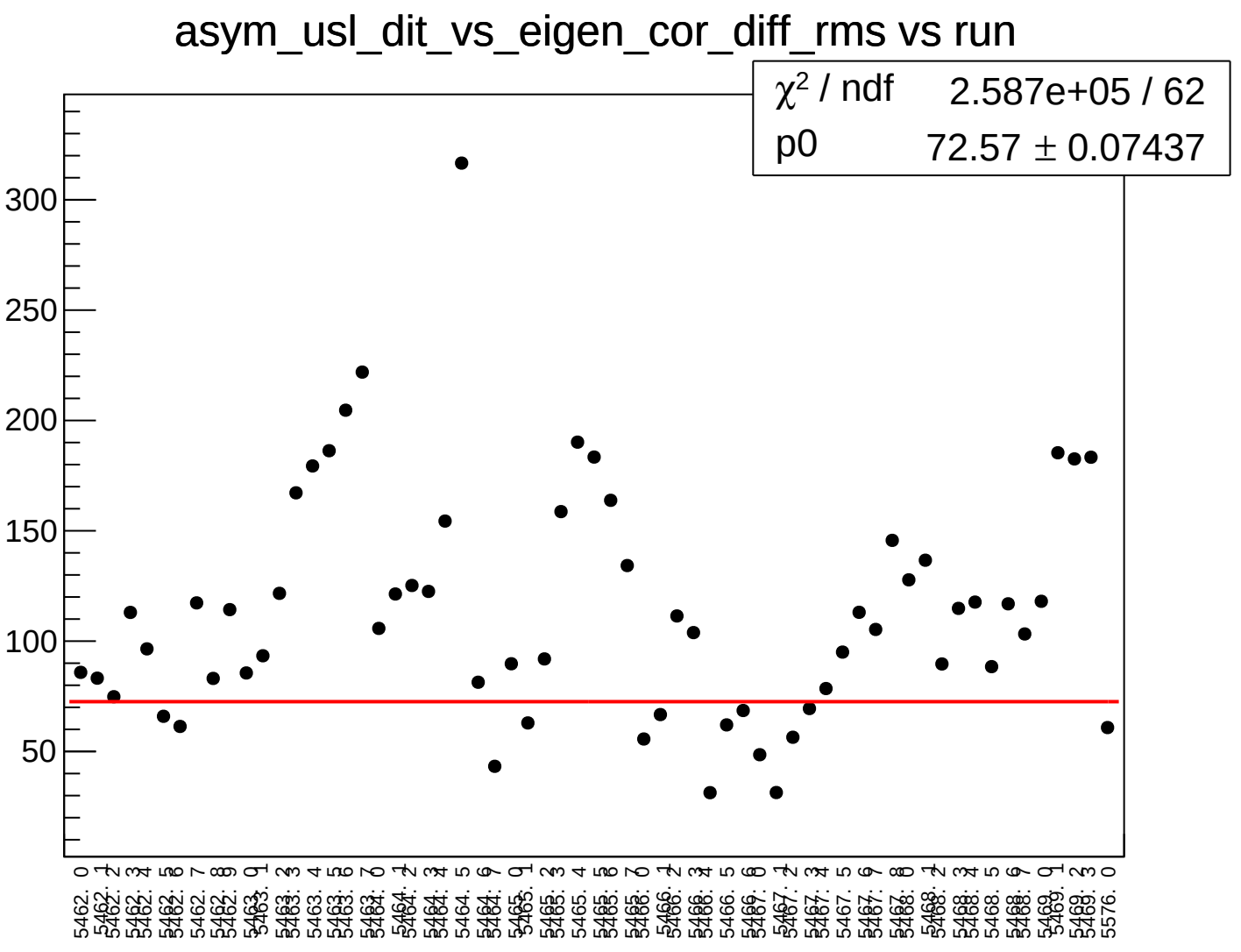

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 68.13 / 62
p0 −0.04864 ± 0.1052
pull
Entries 63
Mean 55.11
Std Dev 25.95

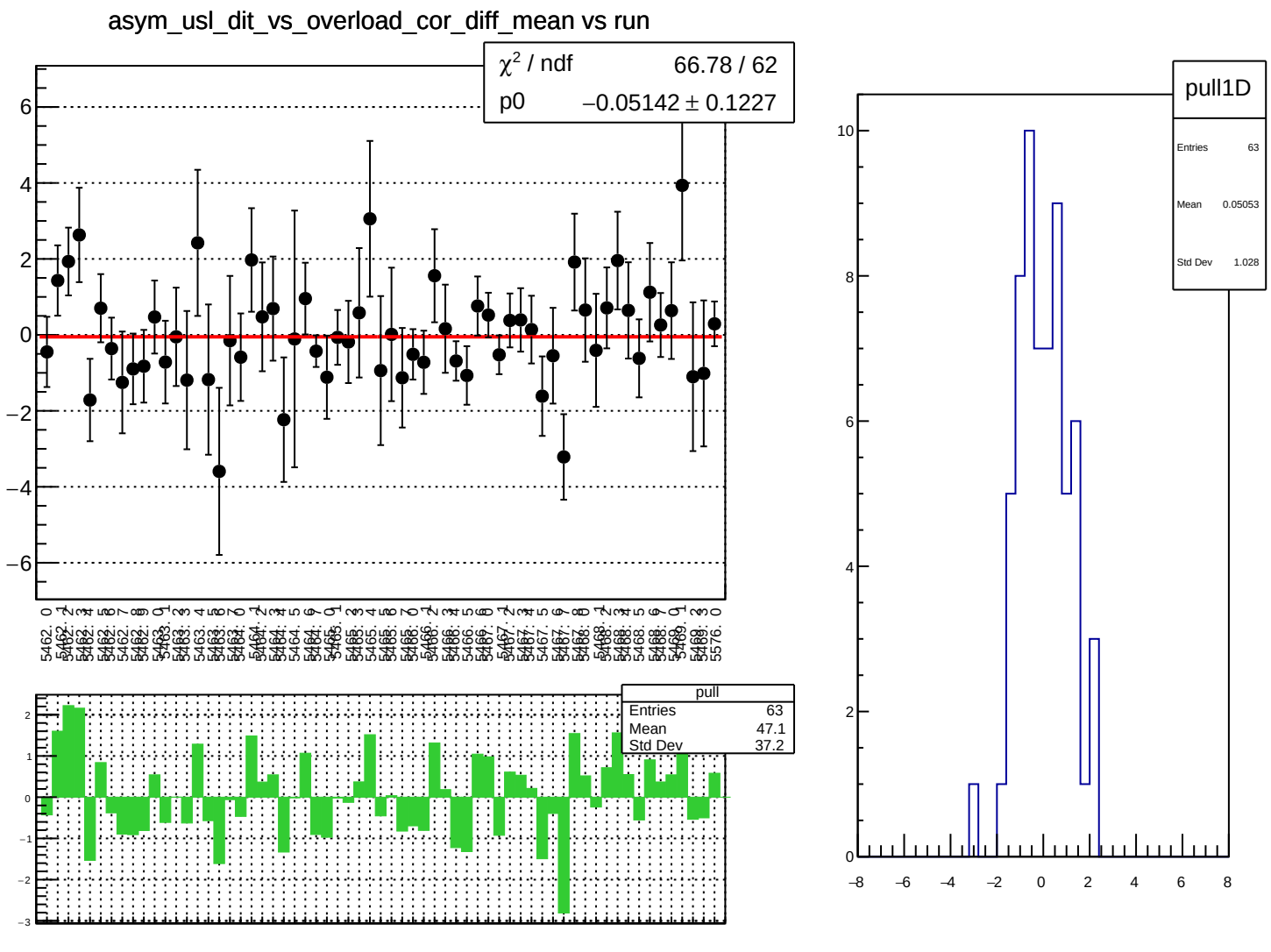

pull1D
Entries 63
Mean 0.05433
Std Dev 1.038

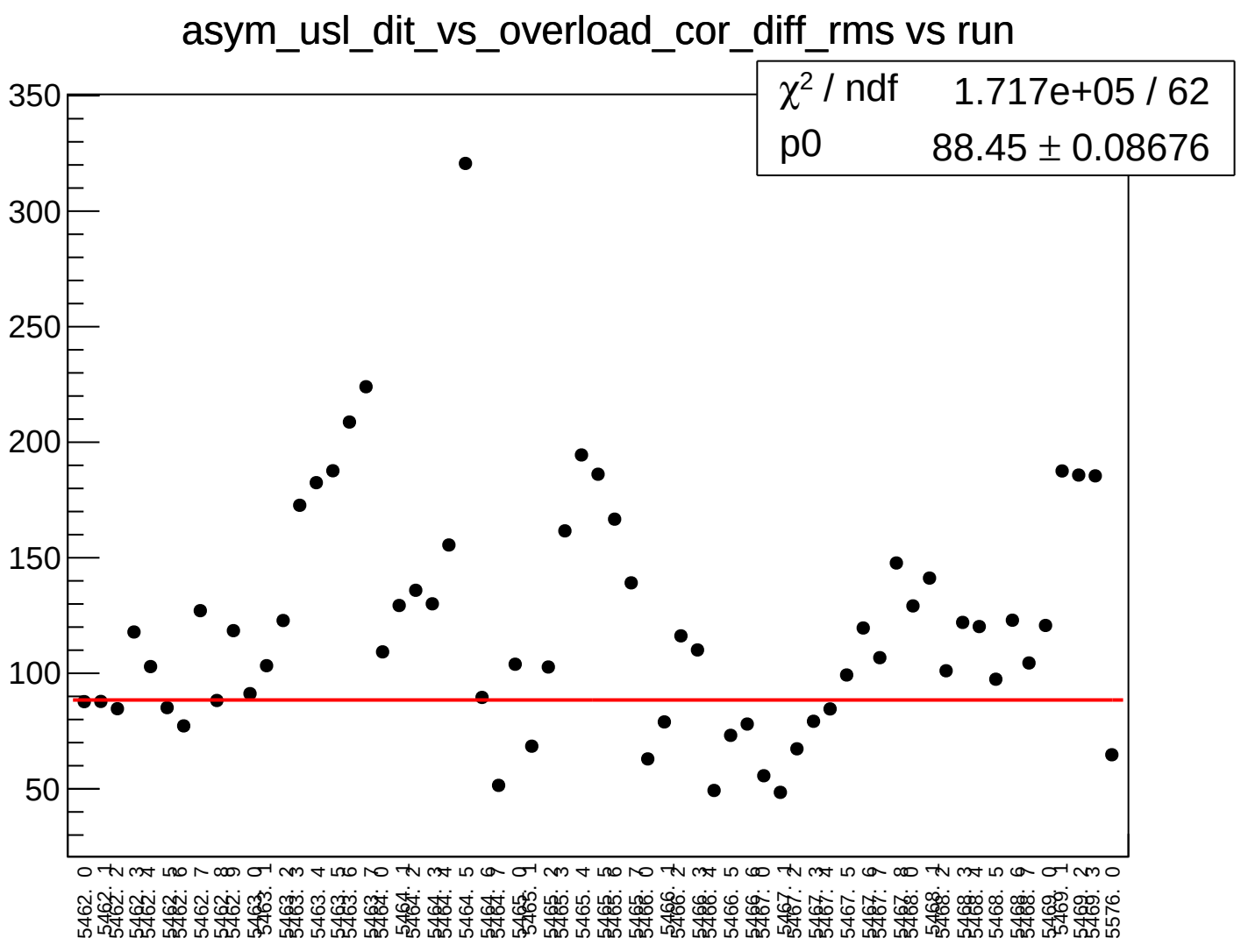

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 2.587e+05 / 62
p0 72.57 ± 0.07437
300
250
200
150
100
50

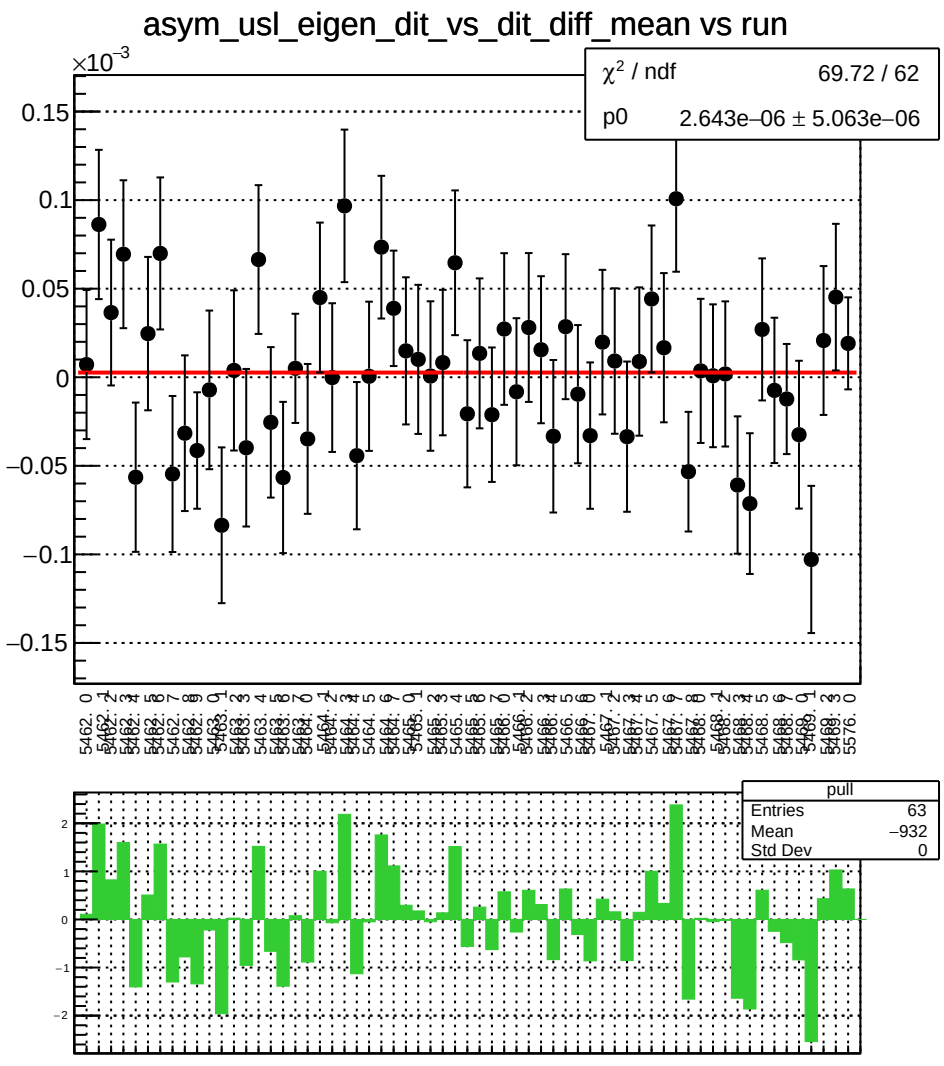

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 68.13 / 62
p0 −0.04864 ± 0.1052
pull
Entries 63
Mean 55.11
Std Dev 25.95

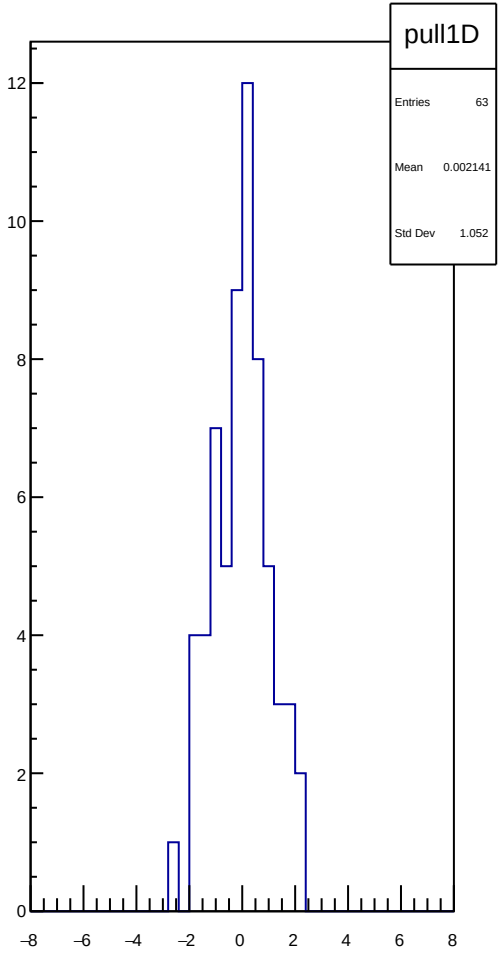

pull1D
Entries 63
Mean 0.05433
Std Dev 1.038

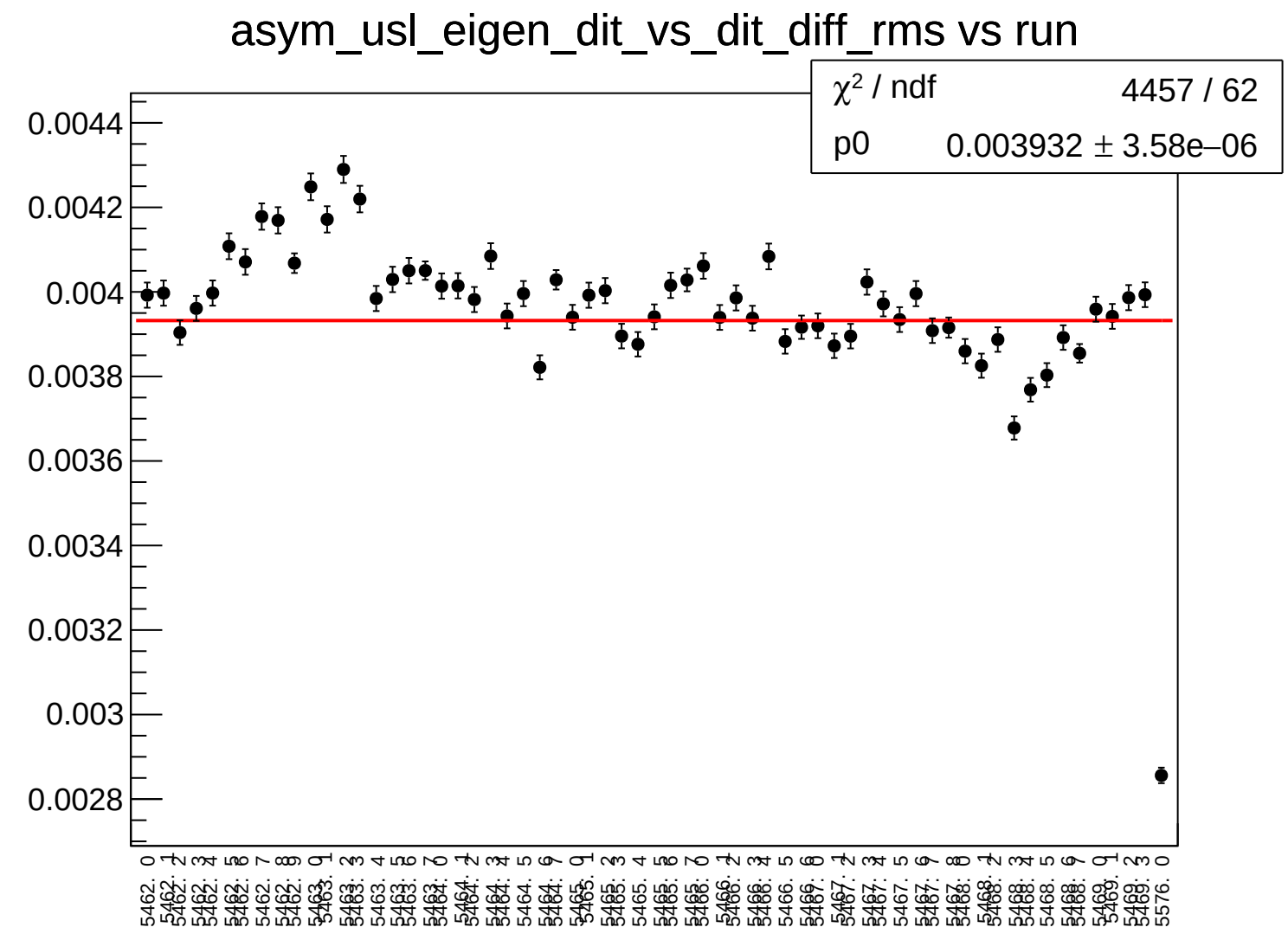

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.587e+05 / 62
p0 72.57 ± 0.07437
300
250
200
150
100
50

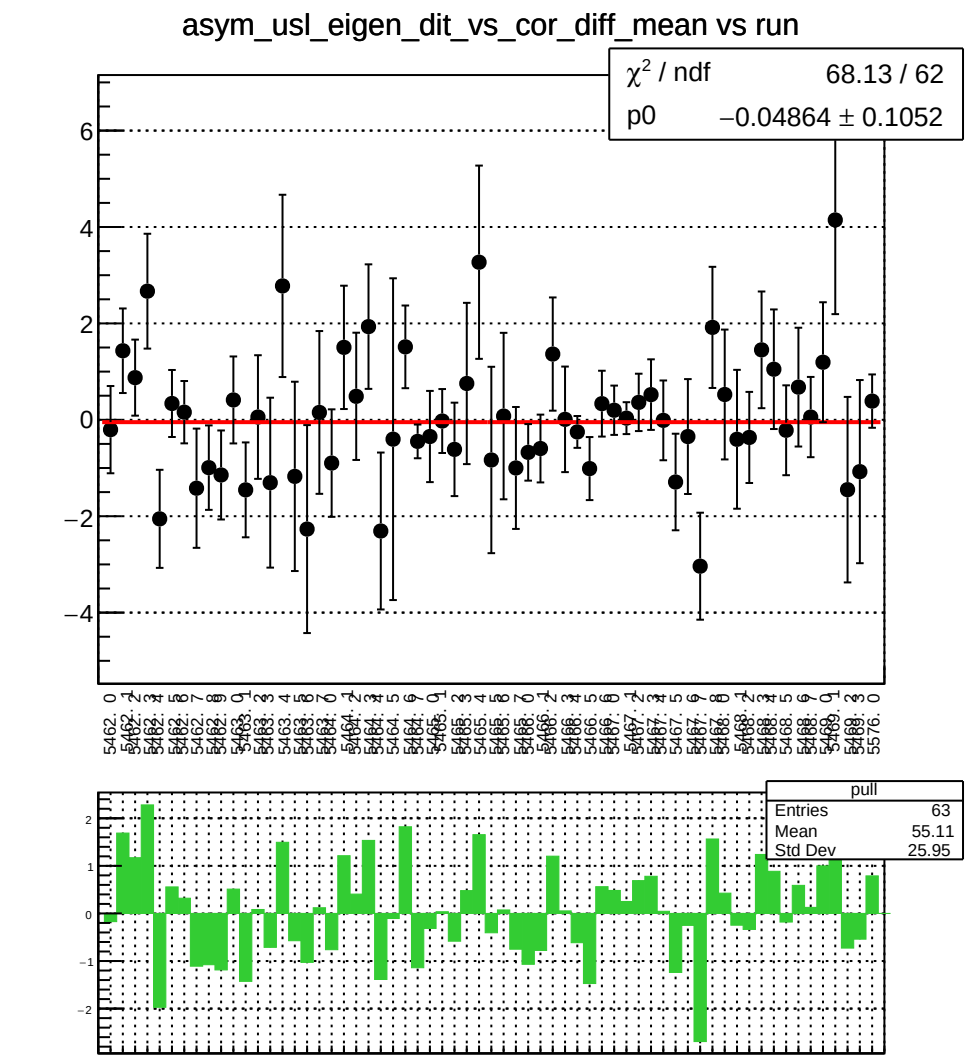

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 66.78 / 62
p0 −0.05142 ± 0.1227
pull
Entries 63
Mean 47.1
Std Dev 37.2
pull1D
Entries 63
Mean 0.05053
Std Dev 1.028

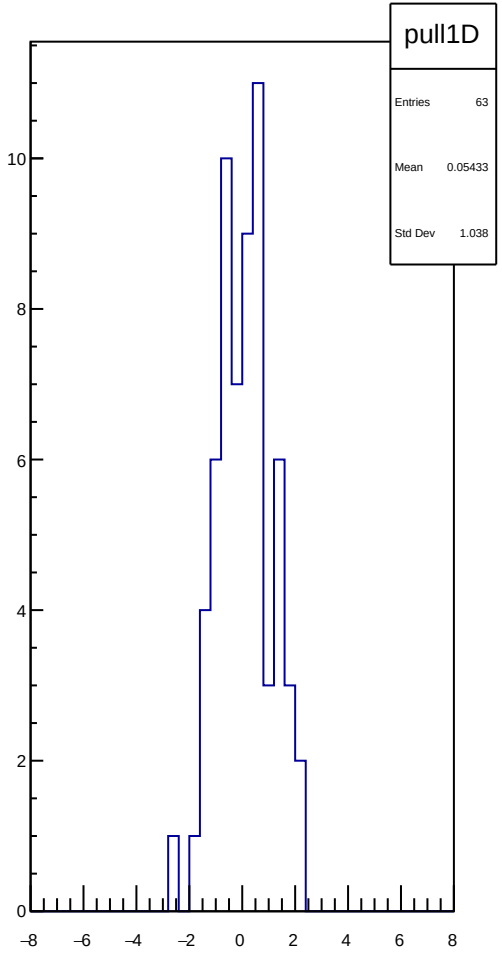

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.717e+05 / 62
p0 88.45 ± 0.08676
350
300
250
200
150
100
50

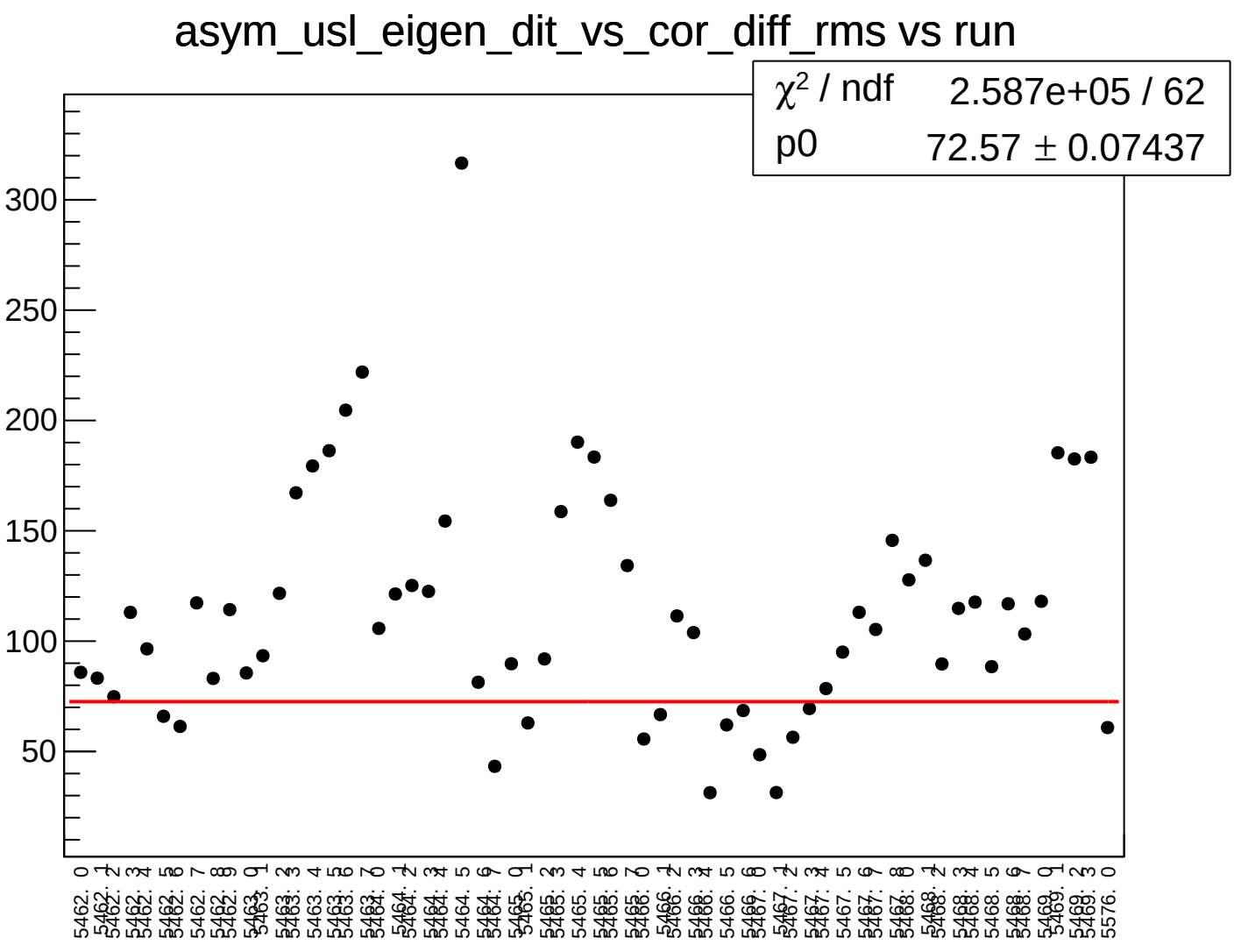

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.72 / 62
p0 2.643e−06 ± 5.063e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 63
Mean −932
Std Dev 0
2
1
0
−1
−2

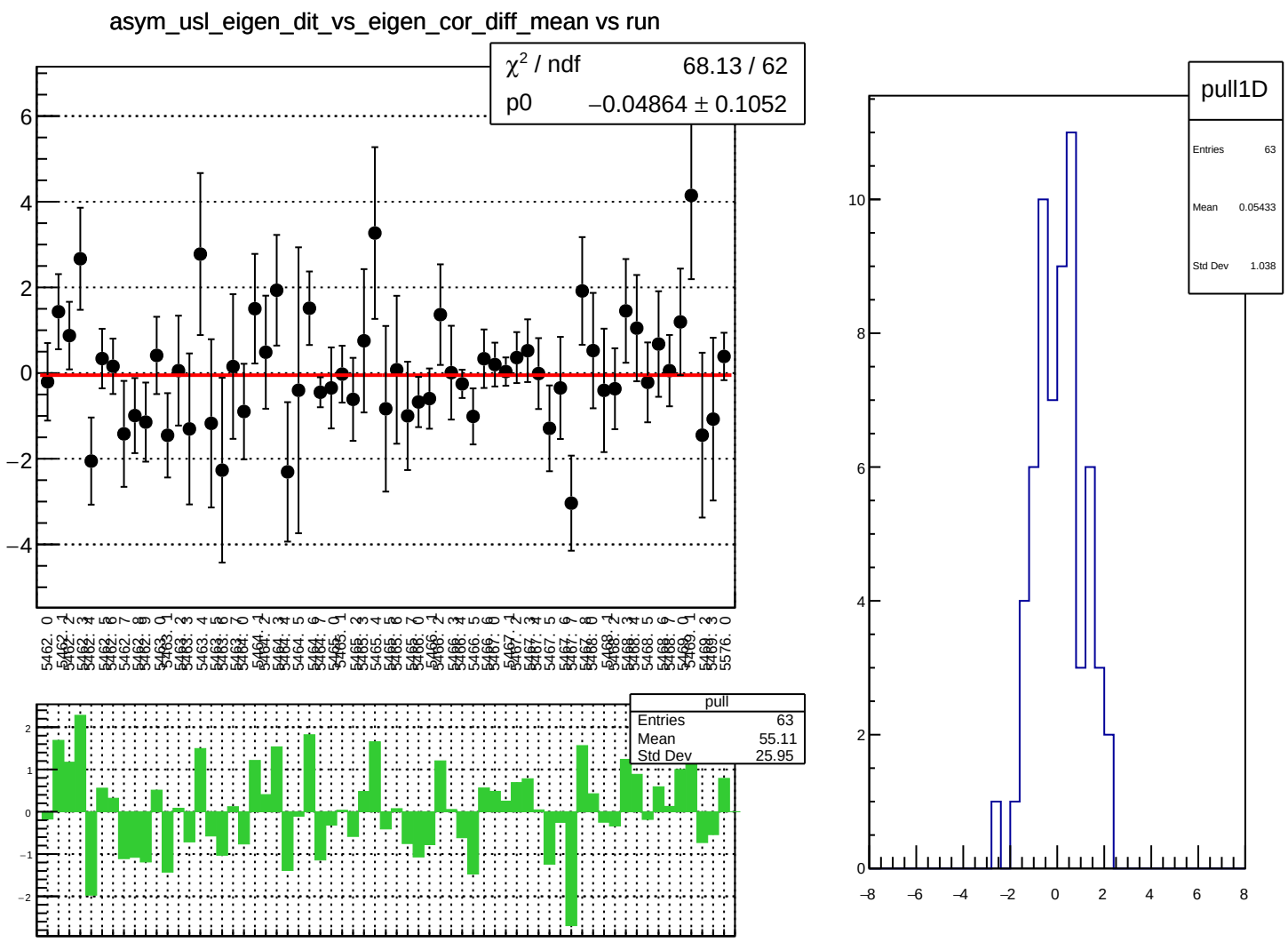

pull1D
Entries 63
Mean 0.002141
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

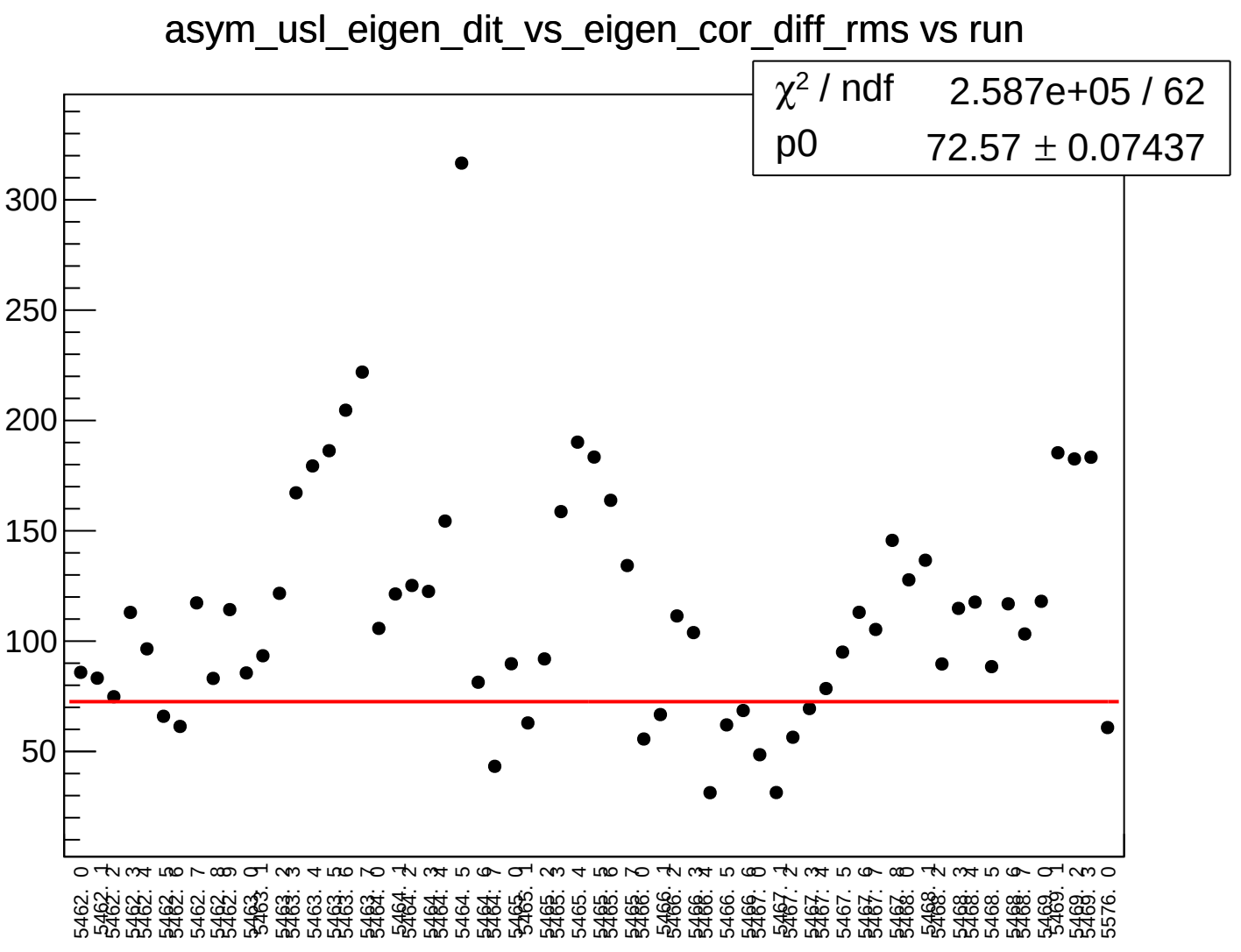

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4457 / 62
p0 0.003932 ± 3.58e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

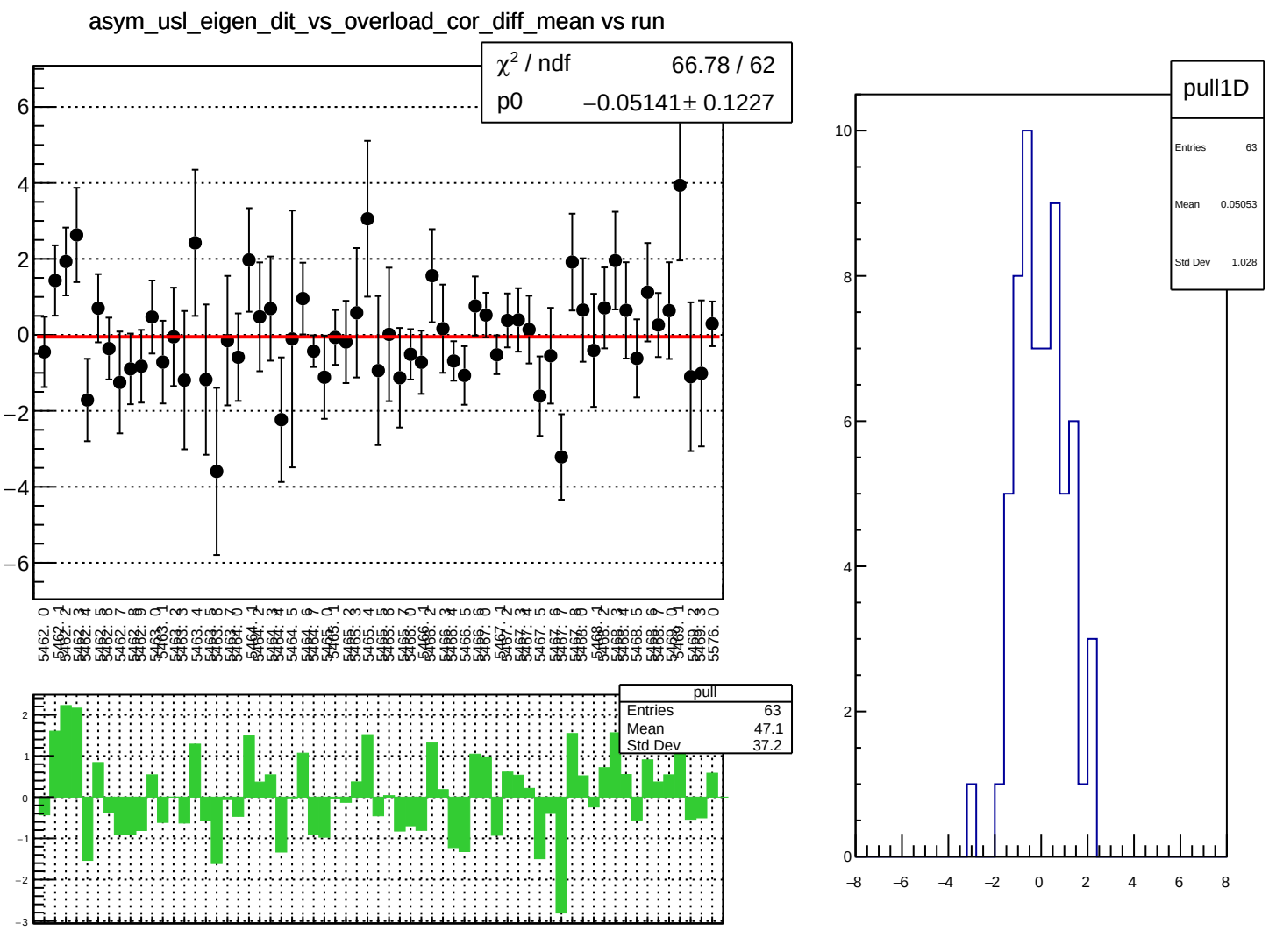

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.13 / 62
p0 −0.04864 ± 0.1052
pull
Entries 63
Mean 55.11
Std Dev 25.95

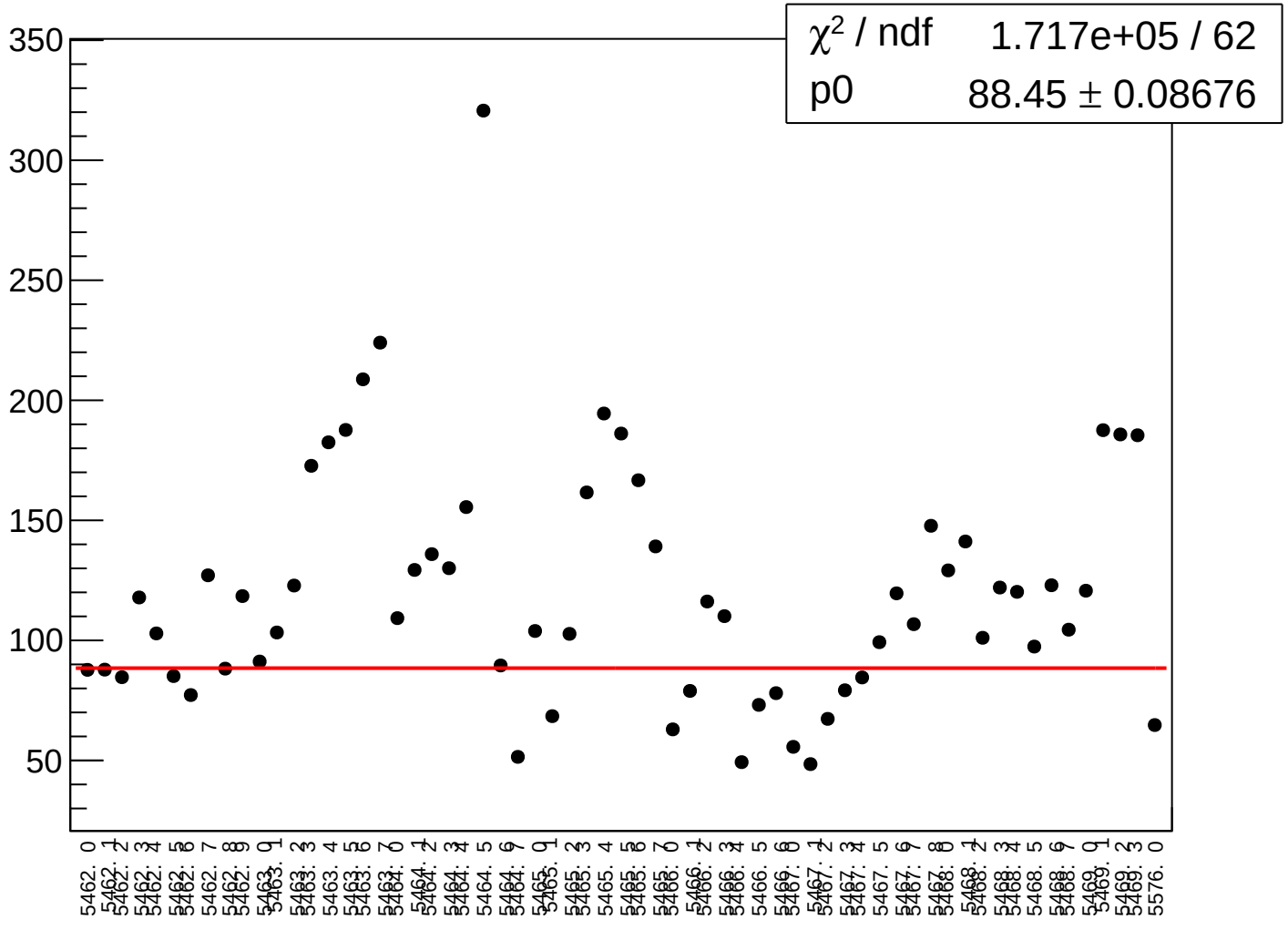

pull1D
Entries 63
Mean 0.05433
Std Dev 1.038

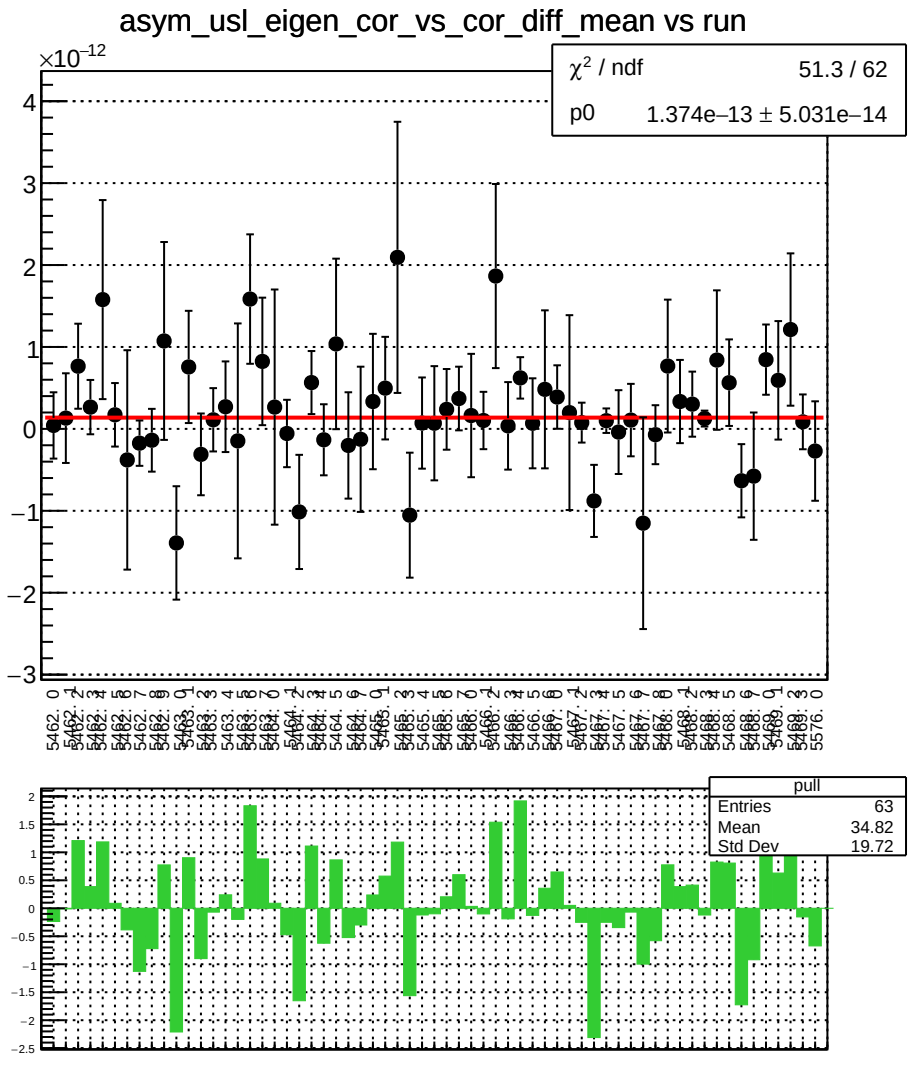

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.587e+05 / 62
p0 72.57 ± 0.07437
300
250
200
150
100
50

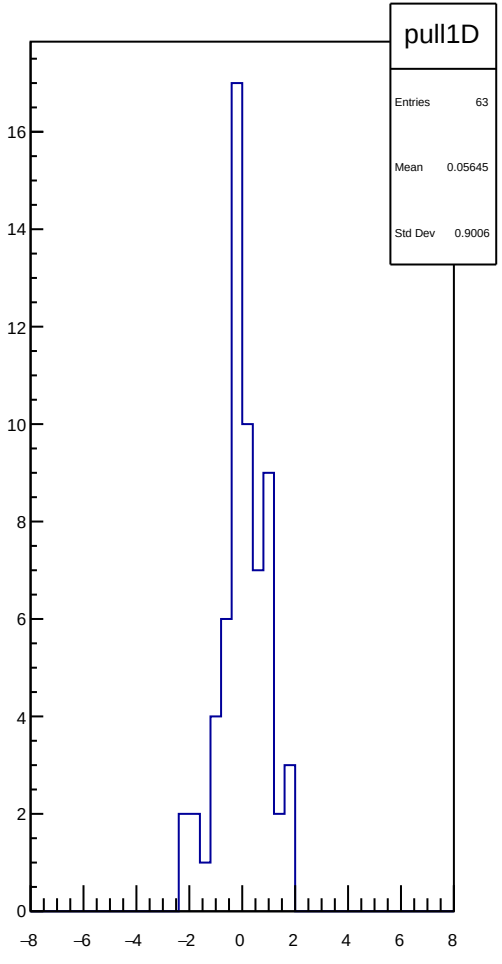

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.13 / 62
p0 −0.04864 ± 0.1052
pull
Entries 63
Mean 55.11
Std Dev 25.95
pull1D
Entries 63
Mean 0.05433
Std Dev 1.038

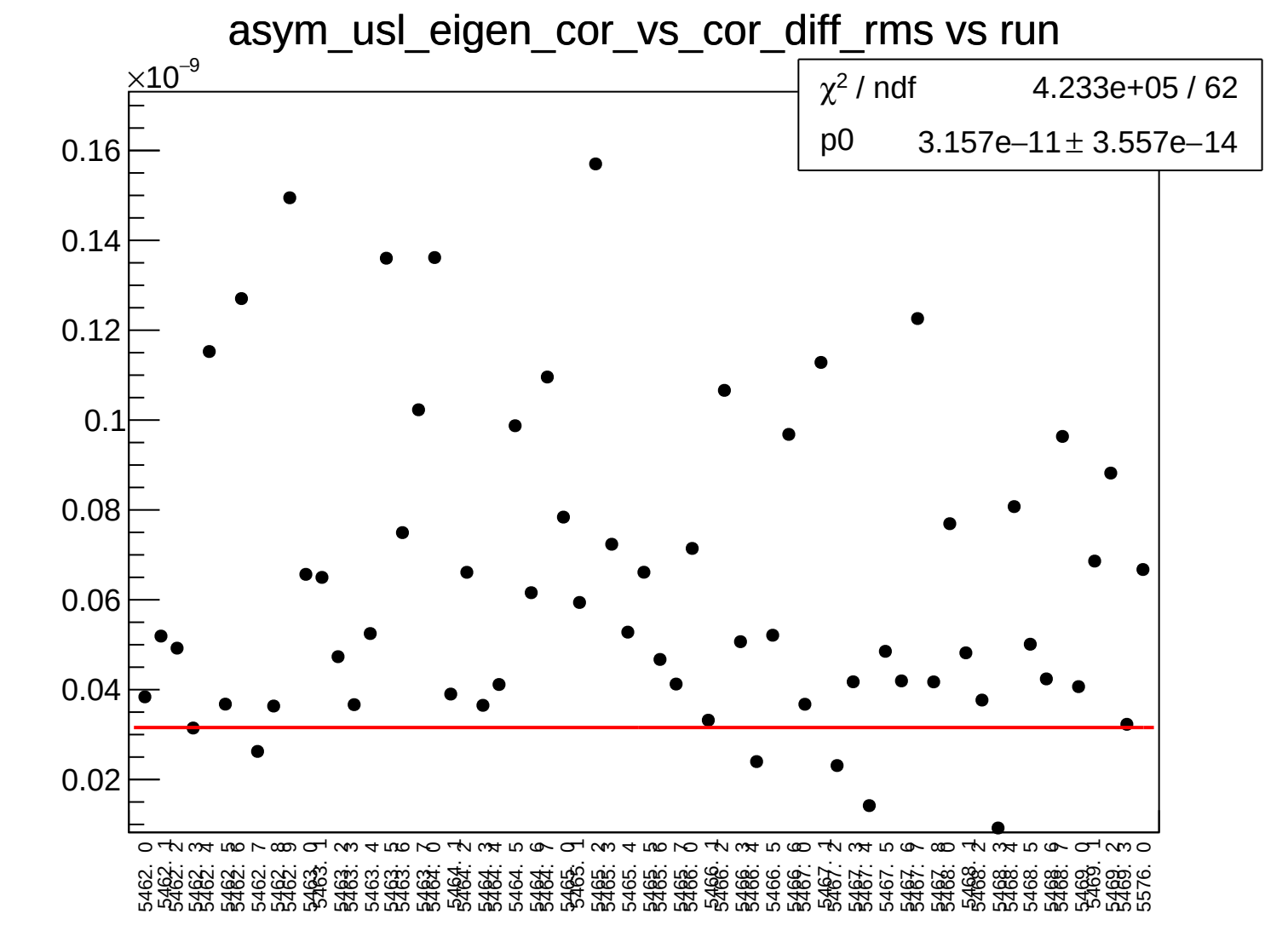

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.587e+05 / 62
p0 72.57 ± 0.07437
300
250
200
150
100
50

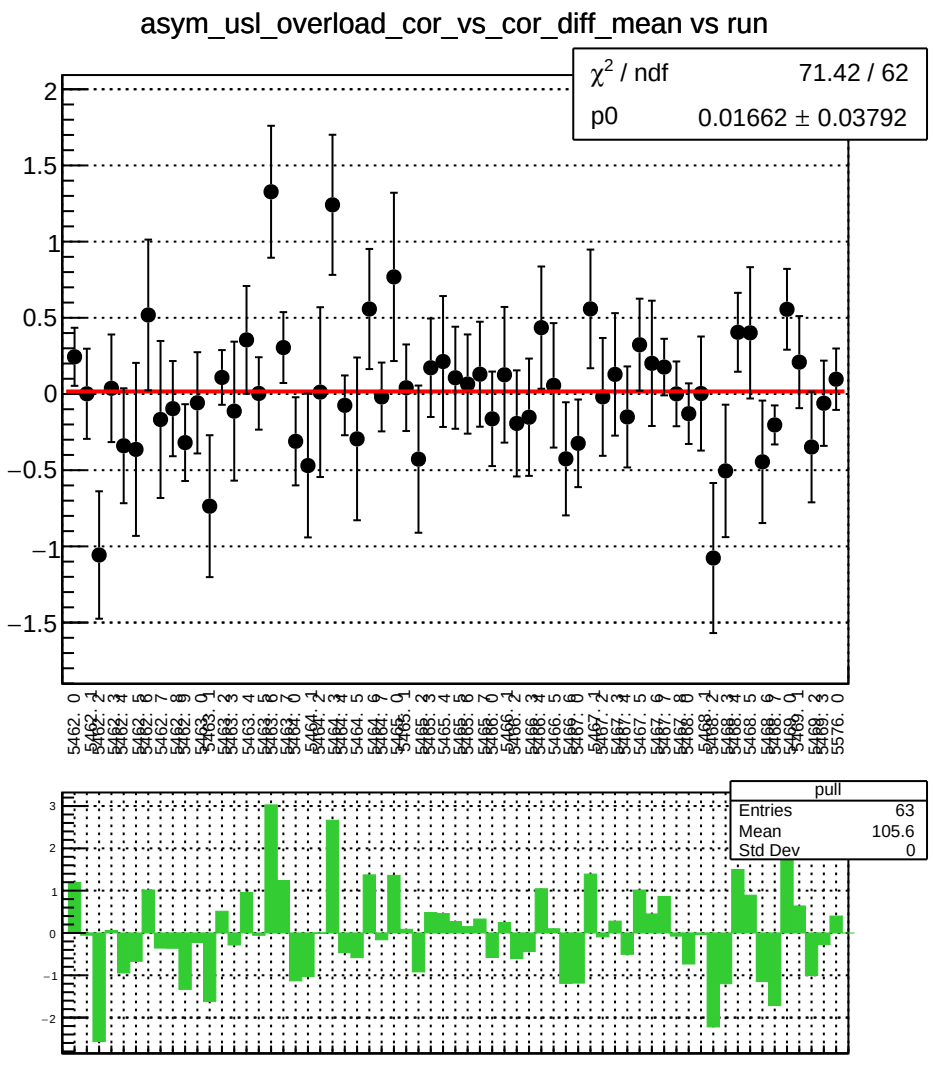

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 66.78 / 62
p0 −0.05141± 0.1227
pull
Entries 63
Mean 47.1
Std Dev 37.2
pull1D
Entries 63
Mean 0.05053
Std Dev 1.028

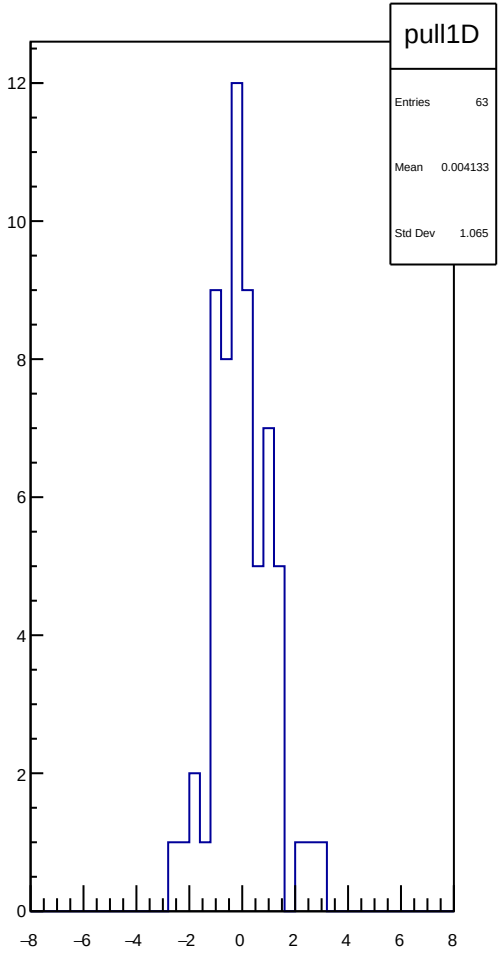

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.717e+05 / 62
p0 88.45 ± 0.08676
350
300
250
200
150
100
50

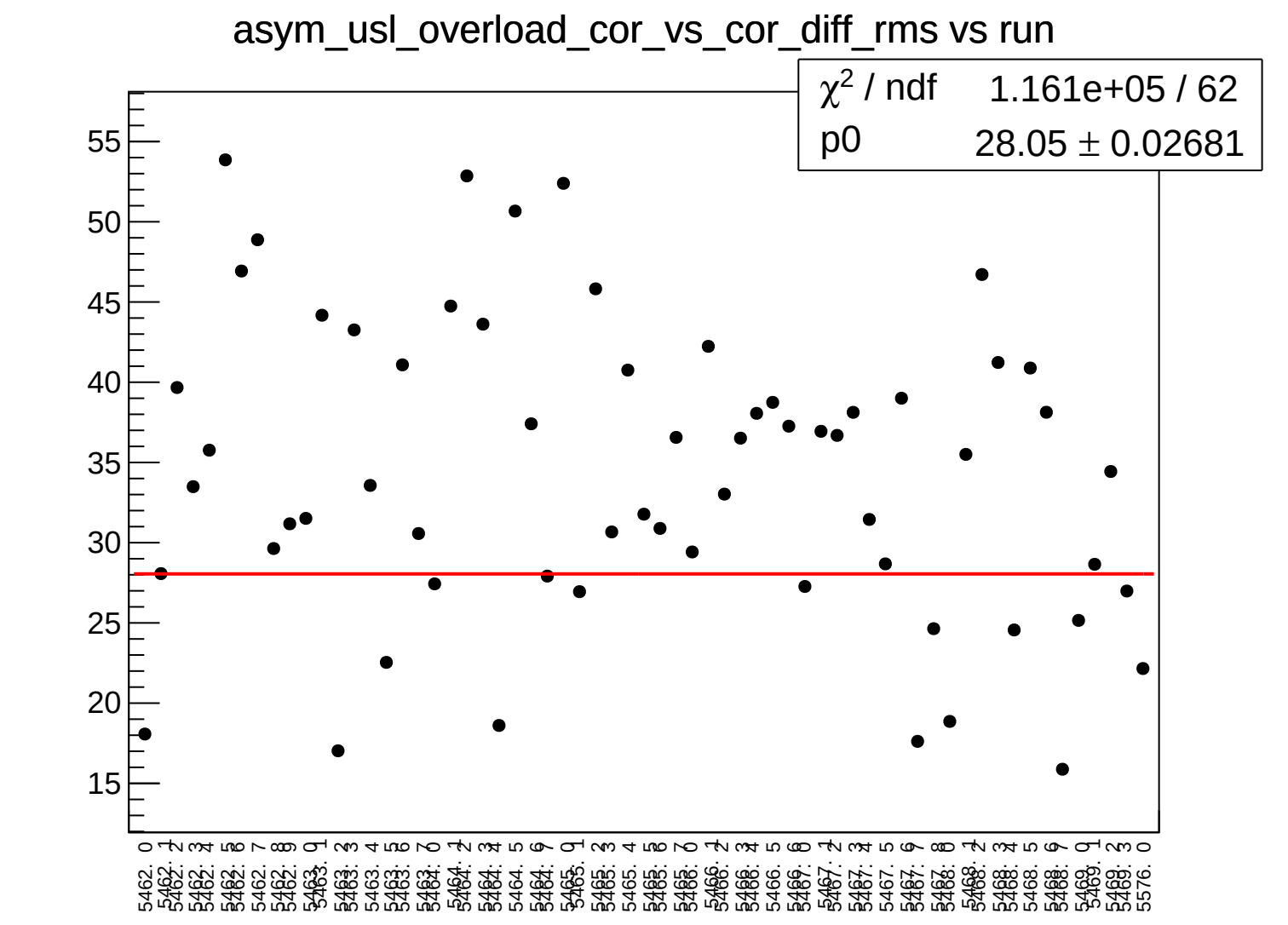

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.3 / 62
p0 1.374e−13 ± 5.031e−14
pull
Entries 63
Mean 34.82
Std Dev 19.72

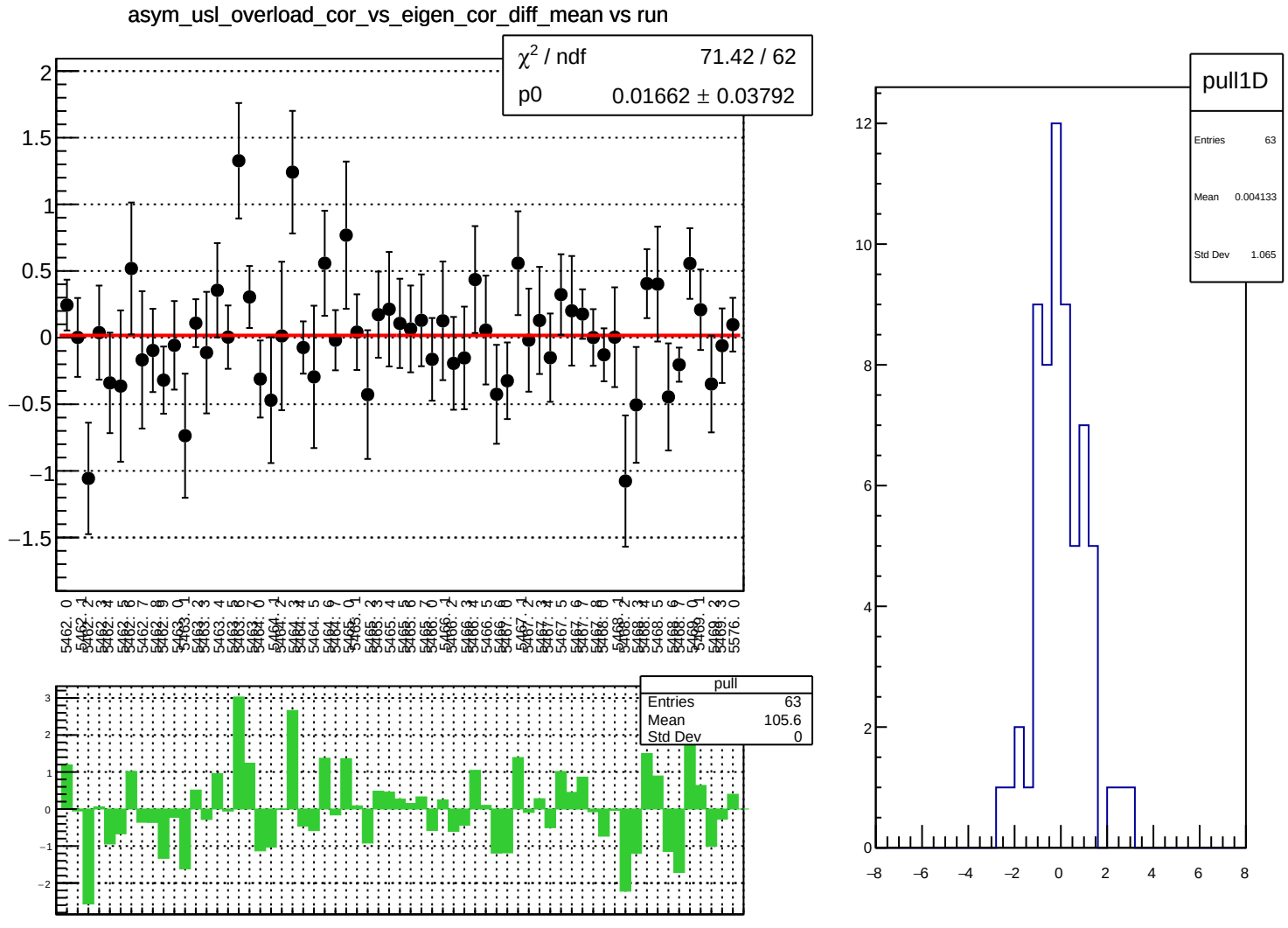

pull1D
Entries 63
Mean 0.05645
Std Dev 0.9006

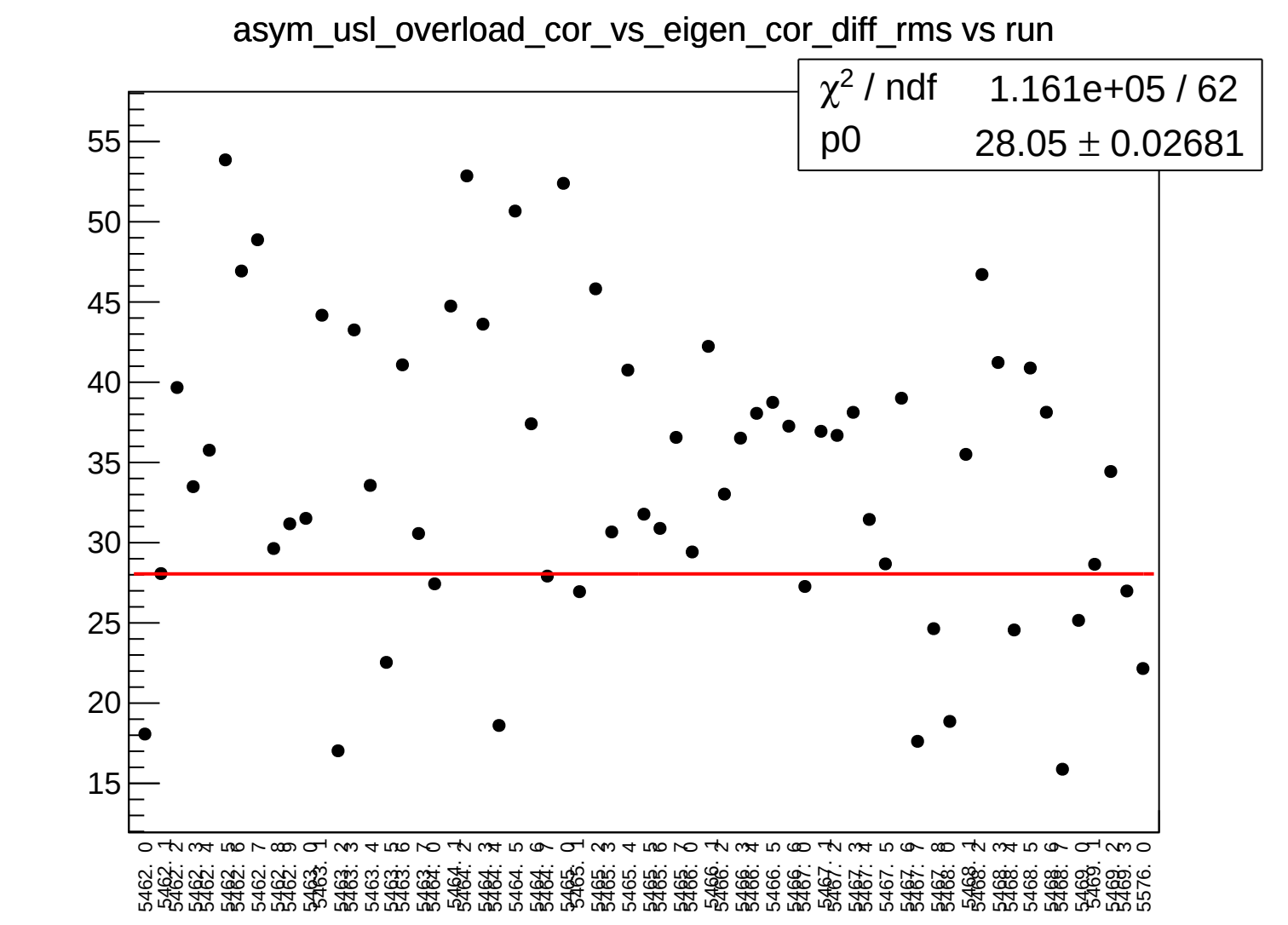

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.233e+05 / 62
p0 3.157e−11 ± 3.557e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

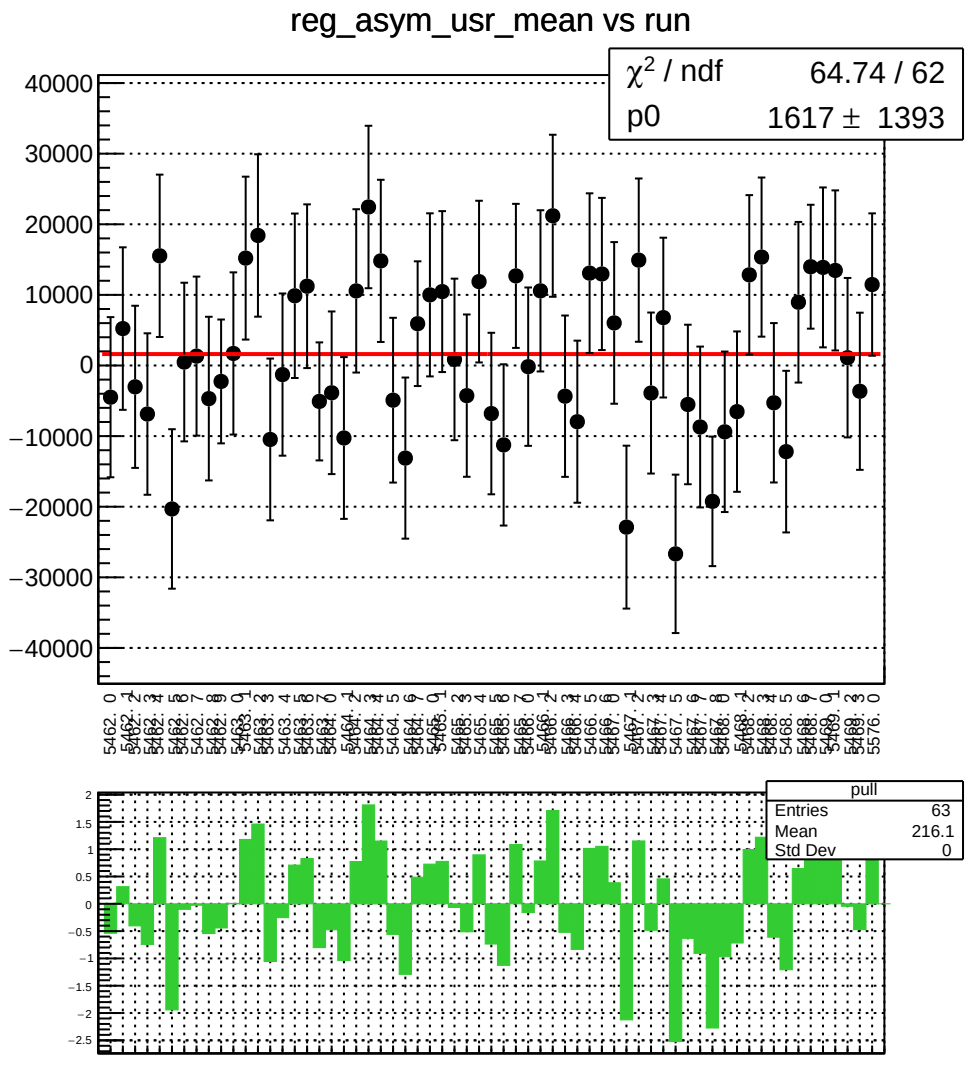

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 71.42 / 62
p0 0.01662 ± 0.03792
pull
Entries 63
Mean 105.6
Std Dev 0

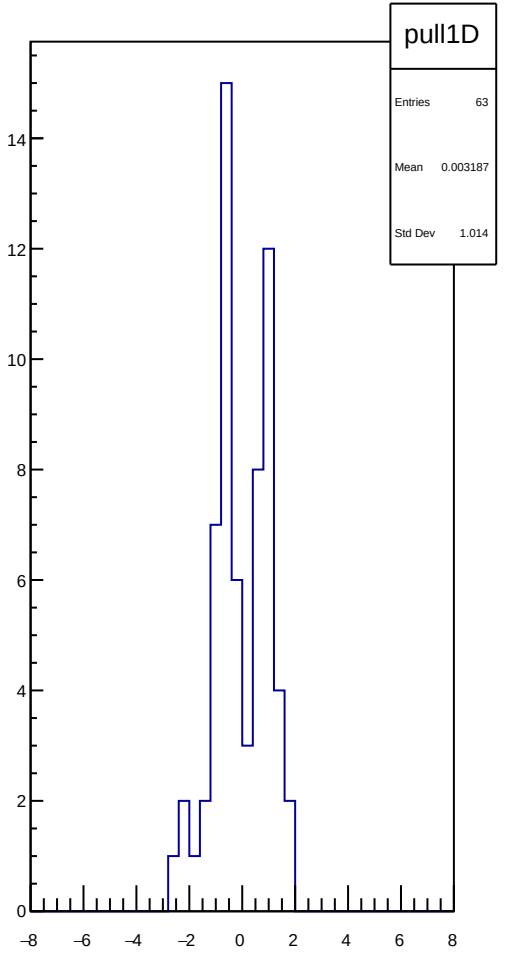

pull1D
Entries 63
Mean 0.004133
Std Dev 1.065

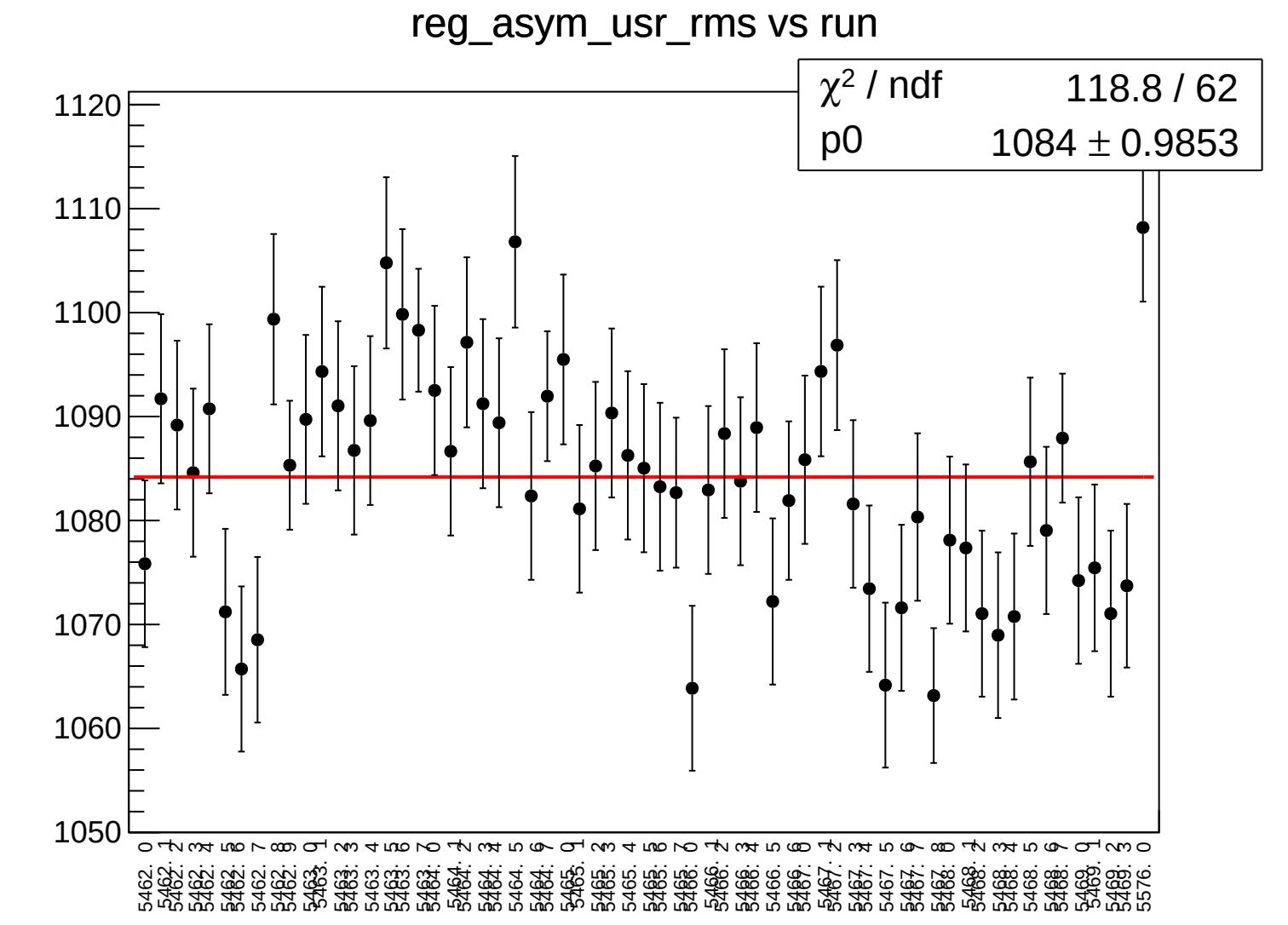

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 62
p0 28.05 ± 0.02681
55
50
45
40
35
30
25
20
15

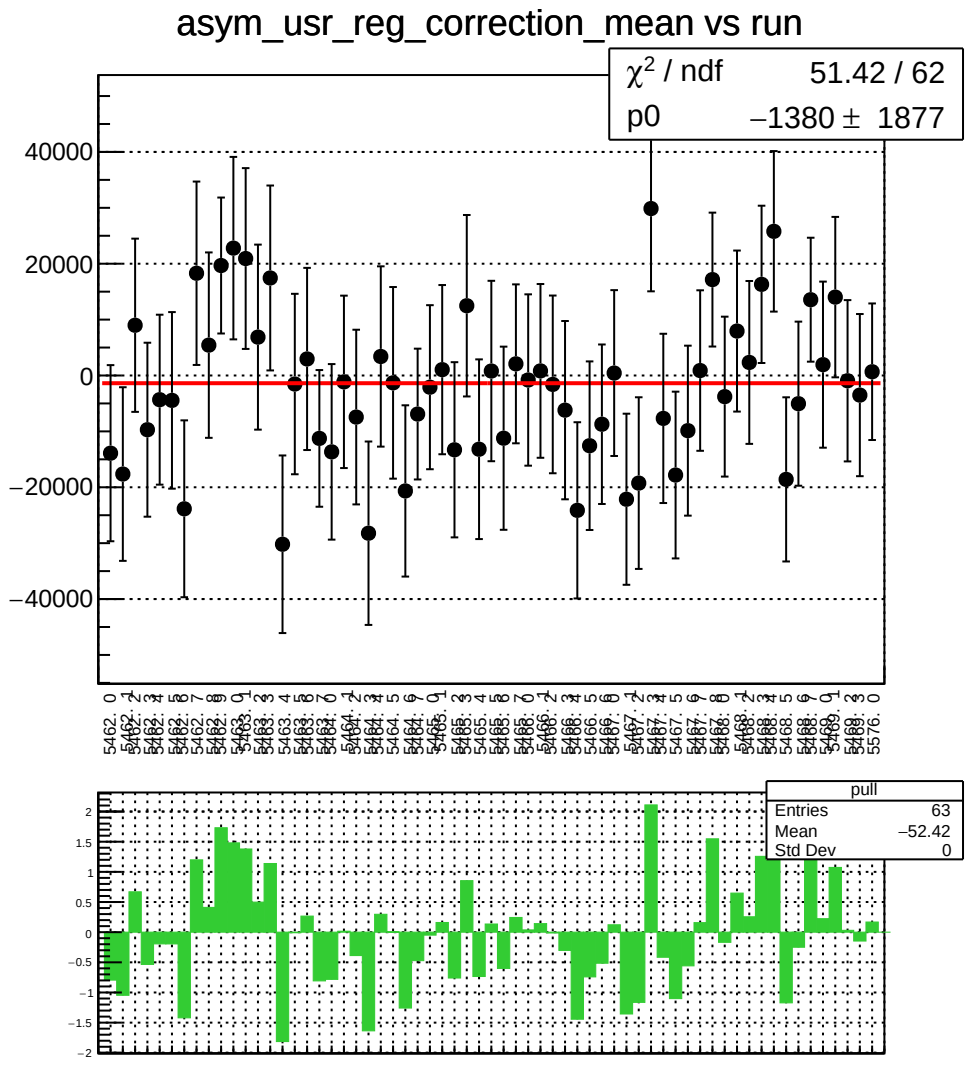

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.42 / 62
p0 0.01662 ± 0.03792
pull
Entries 63
Mean 105.6
Std Dev 0
pull1D
Entries 63
Mean 0.004133
Std Dev 1.065

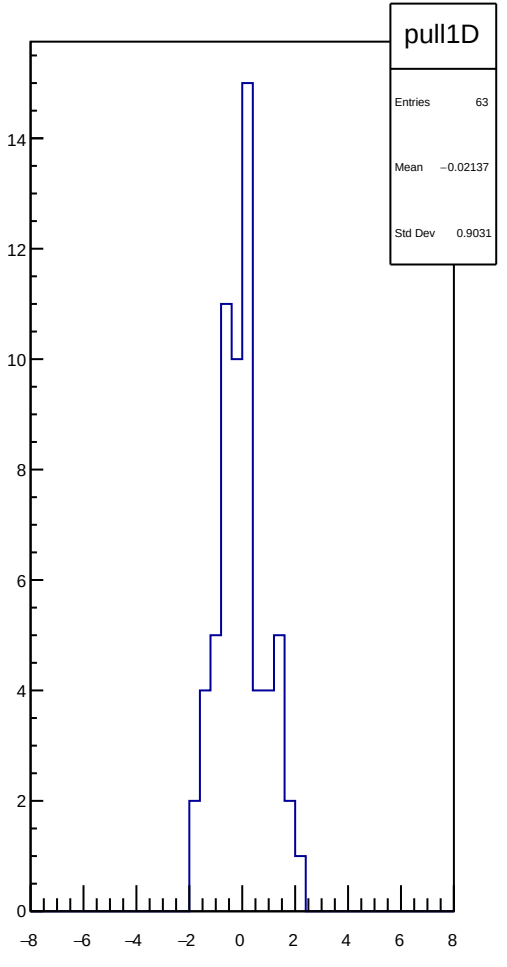

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 62
p0 28.05 ± 0.02681
55
50
45
40
35
30
25
20
15

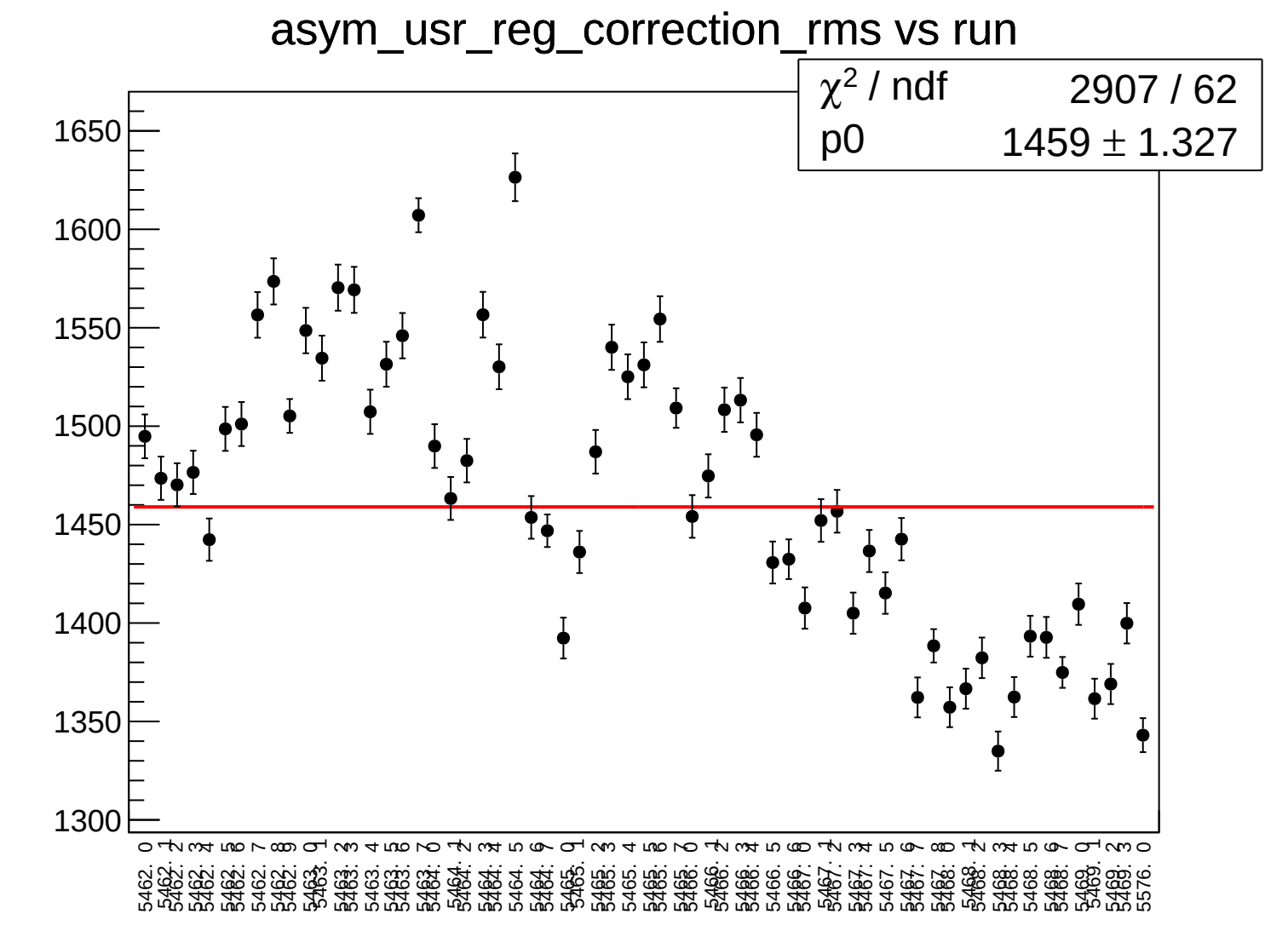

reg_asym_usr_mean vs run
χ^2 / ndf 64.74 / 62
p0 1617 ± 1393
pull
Entries 63
Mean 216.1
Std Dev 0

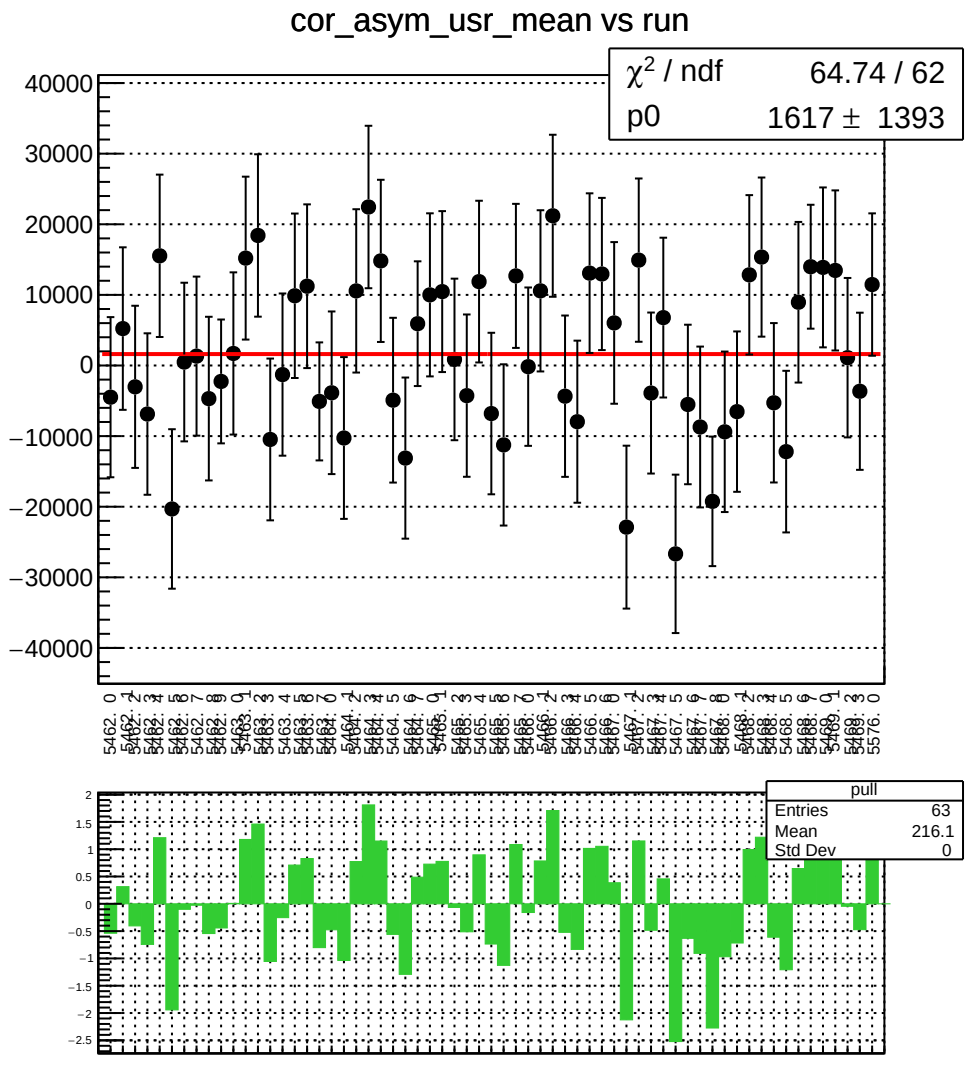

pull1D
Entries 63
Mean 0.003187
Std Dev 1.014

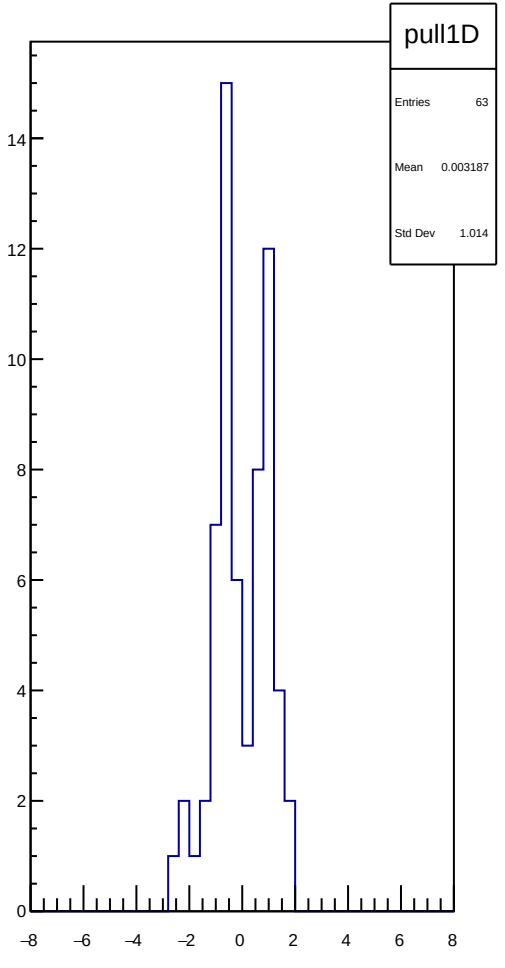

reg_asym_usr_rms vs run
χ² / ndf 118.8 / 62
p0 1084 ± 0.9853
1120
1110
1100
1090
1080
1070
1060
1050

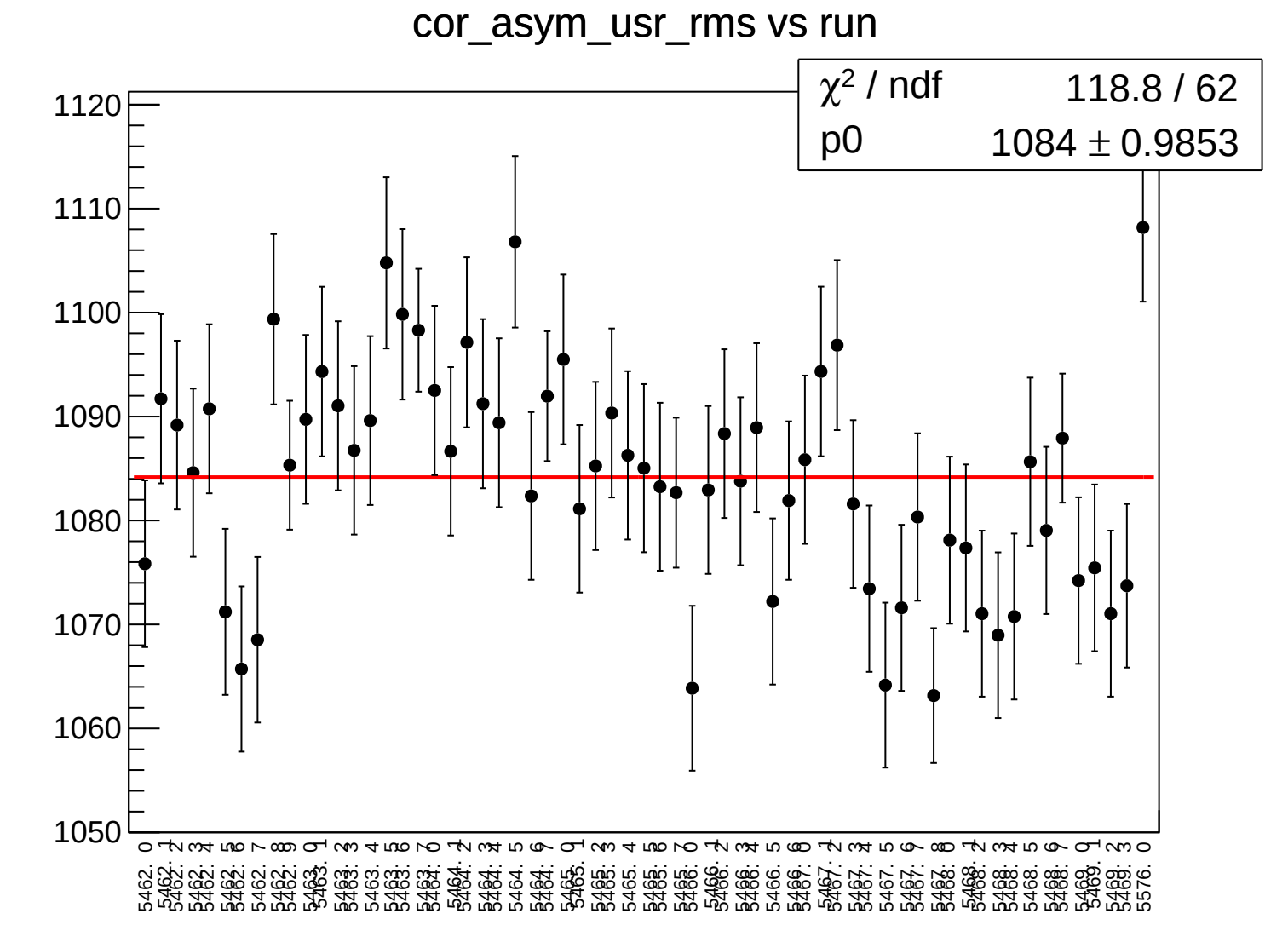

asym_usr_reg_correction_mean vs run
χ² / ndf 51.42 / 62
p0 −1380 ± 1877
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −52.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

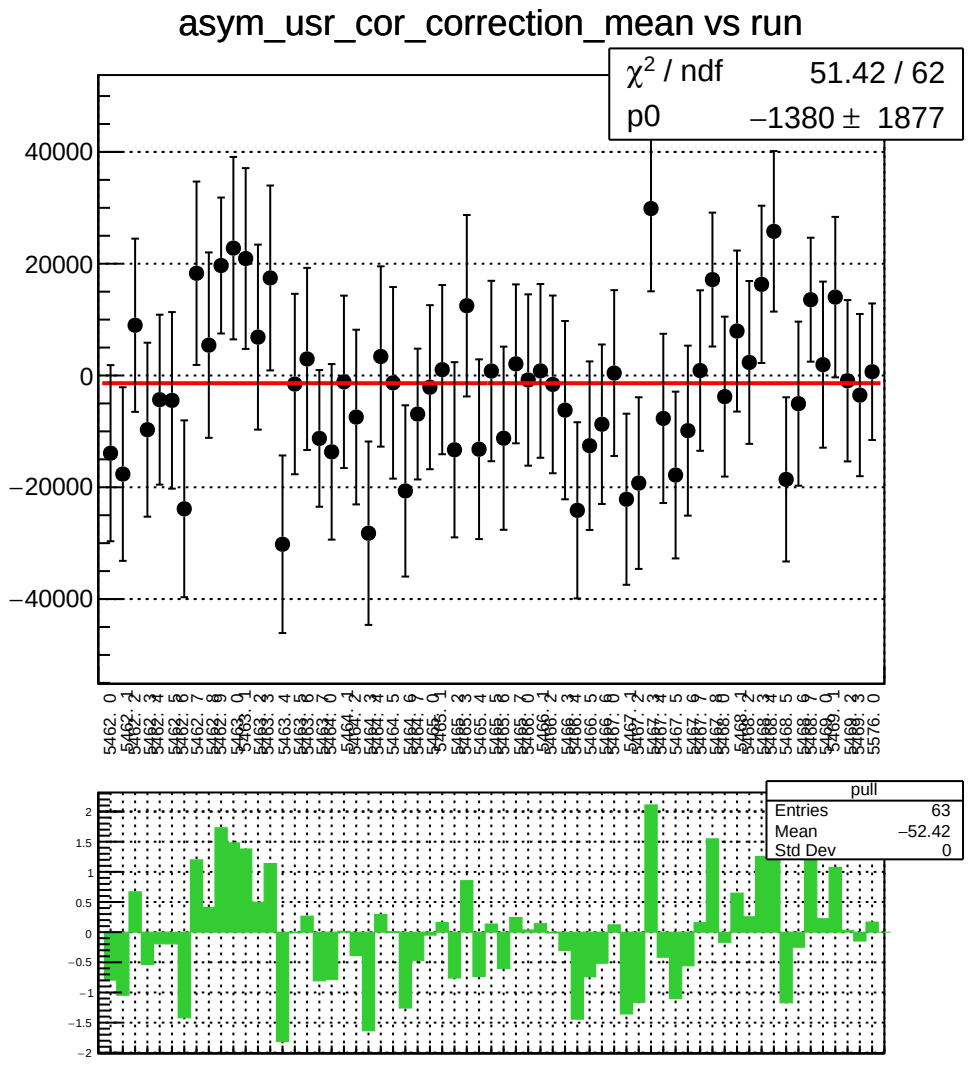

pull1D
Entries 63
Mean −0.02137
Std Dev 0.9031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

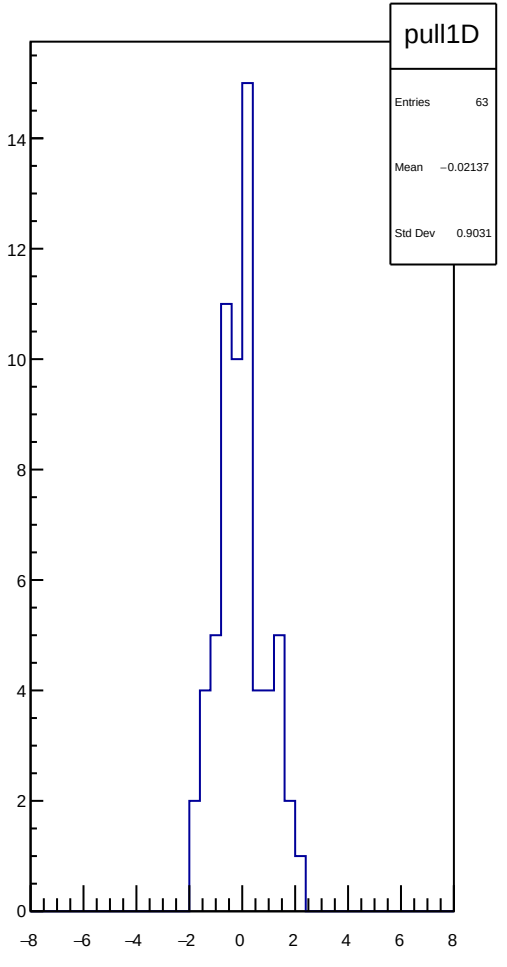

asym_usr_reg_correction_rms vs run
χ² / ndf 2907 / 62
p0 1459 ± 1.327
1650
1600
1550
1500
1450
1400
1350
1300

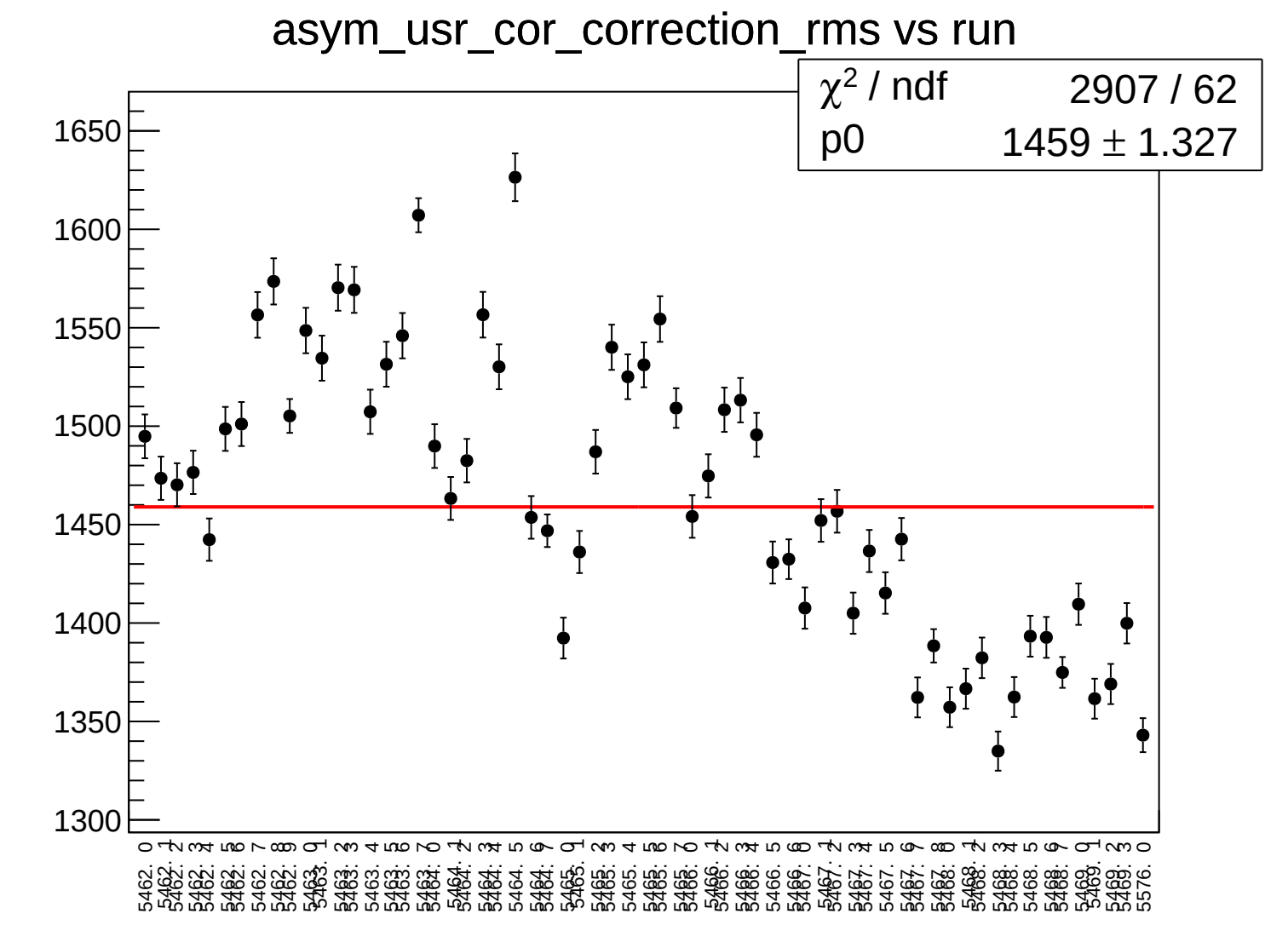

cor_asym_usr_mean vs run
χ^2 / ndf 64.74 / 62
p0 1617 ± 1393
pull
Entries 63
Mean 216.1
Std Dev 0

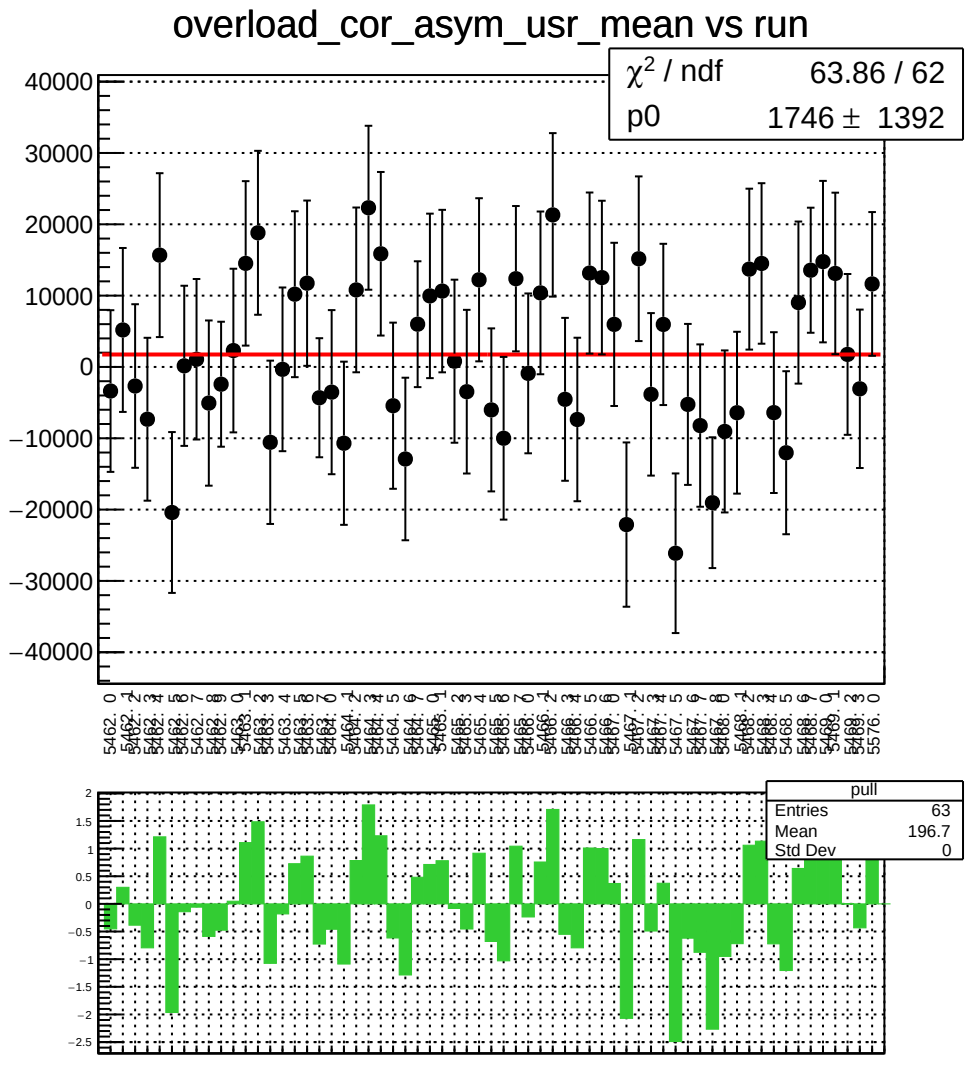

pull1D
Entries 63
Mean 0.003187
Std Dev 1.014

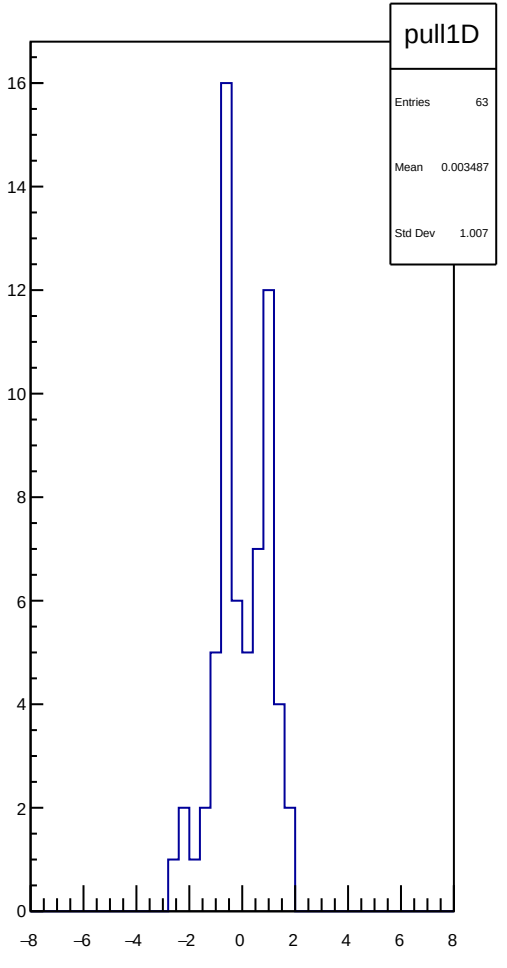

cor_asym_usr_rms vs run
χ² / ndf 118.8 / 62
p0 1084 ± 0.9853
1120
1110
1100
1090
1080
1070
1060
1050

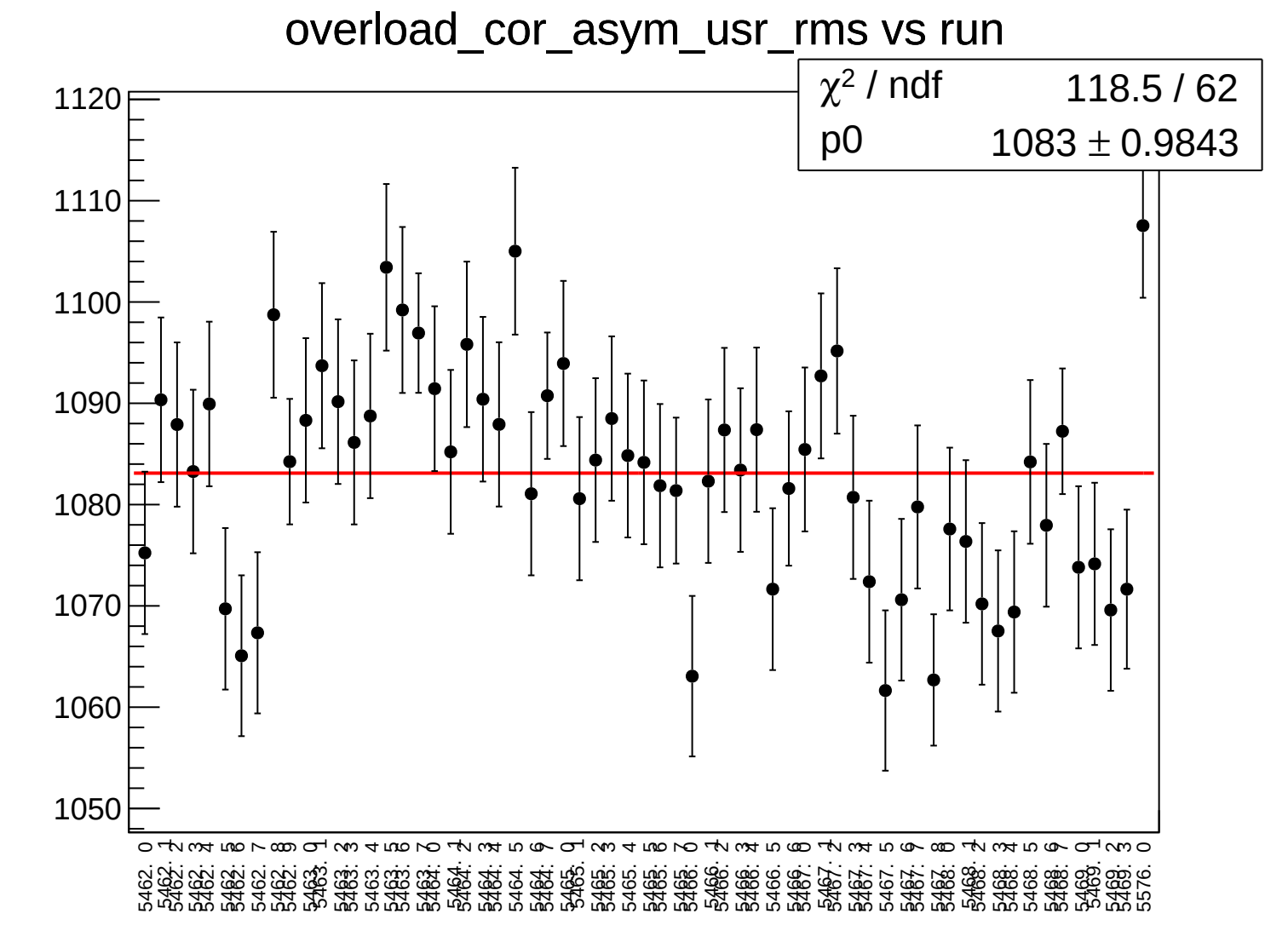

asym_usr_cor_correction_mean vs run
χ² / ndf 51.42 / 62
p0 −1380 ± 1877
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −52.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

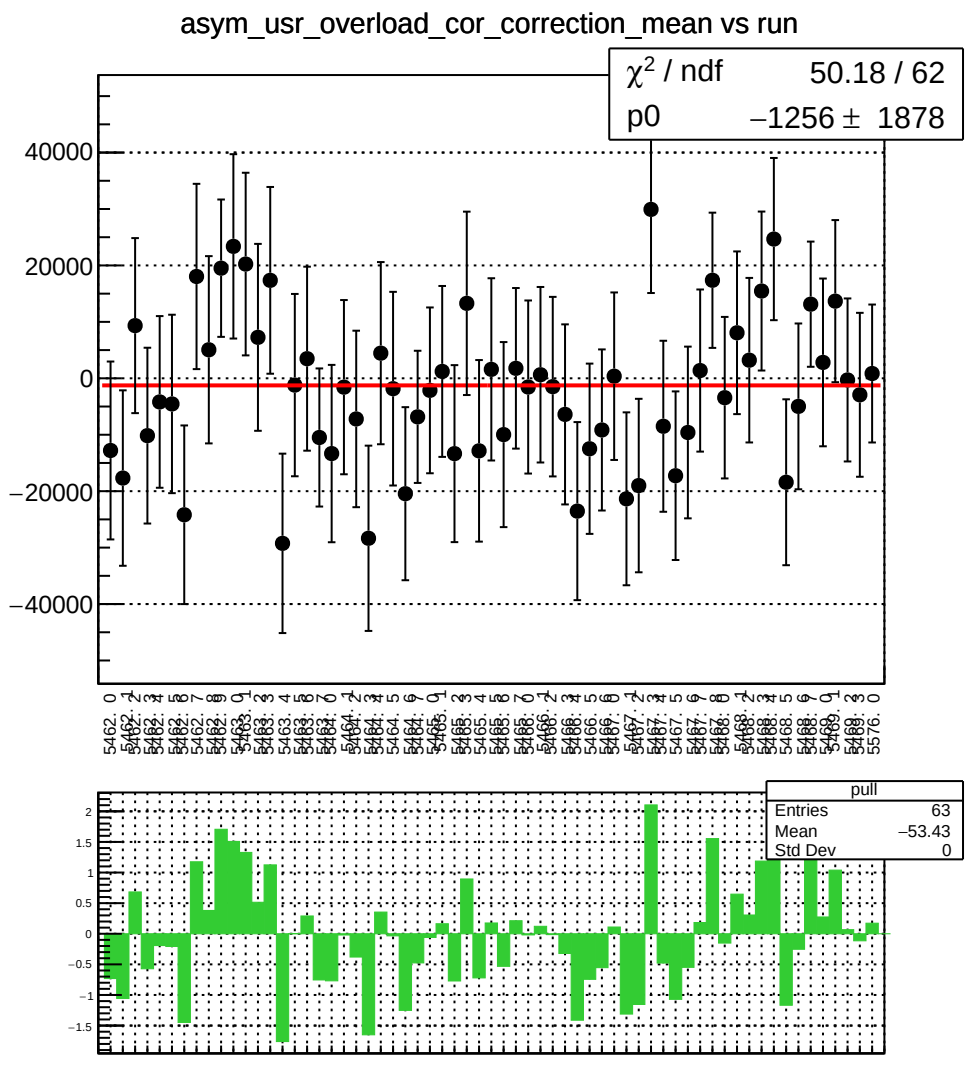

pull1D
Entries 63
Mean −0.02137
Std Dev 0.9031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

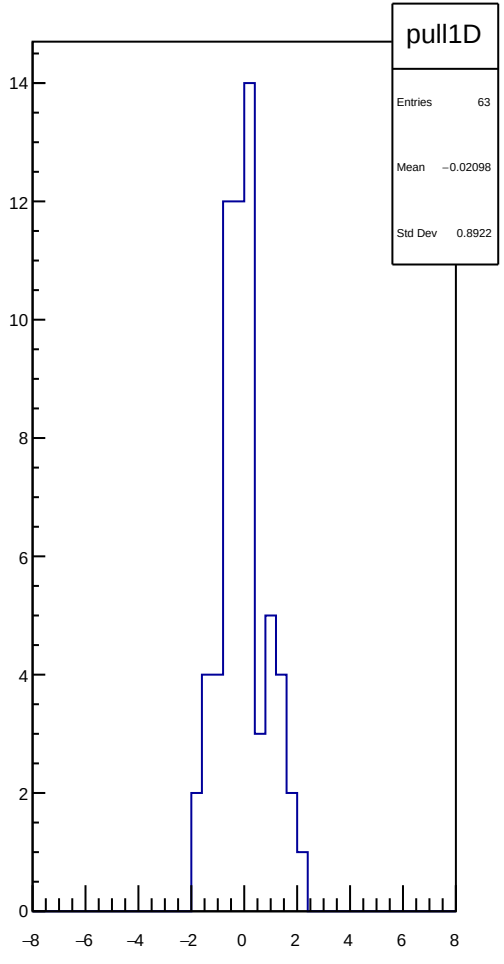

asym_usr_cor_correction_rms vs run
χ² / ndf 2907 / 62
p0 1459 ± 1.327
1650
1600
1550
1500
1450
1400
1350
1300

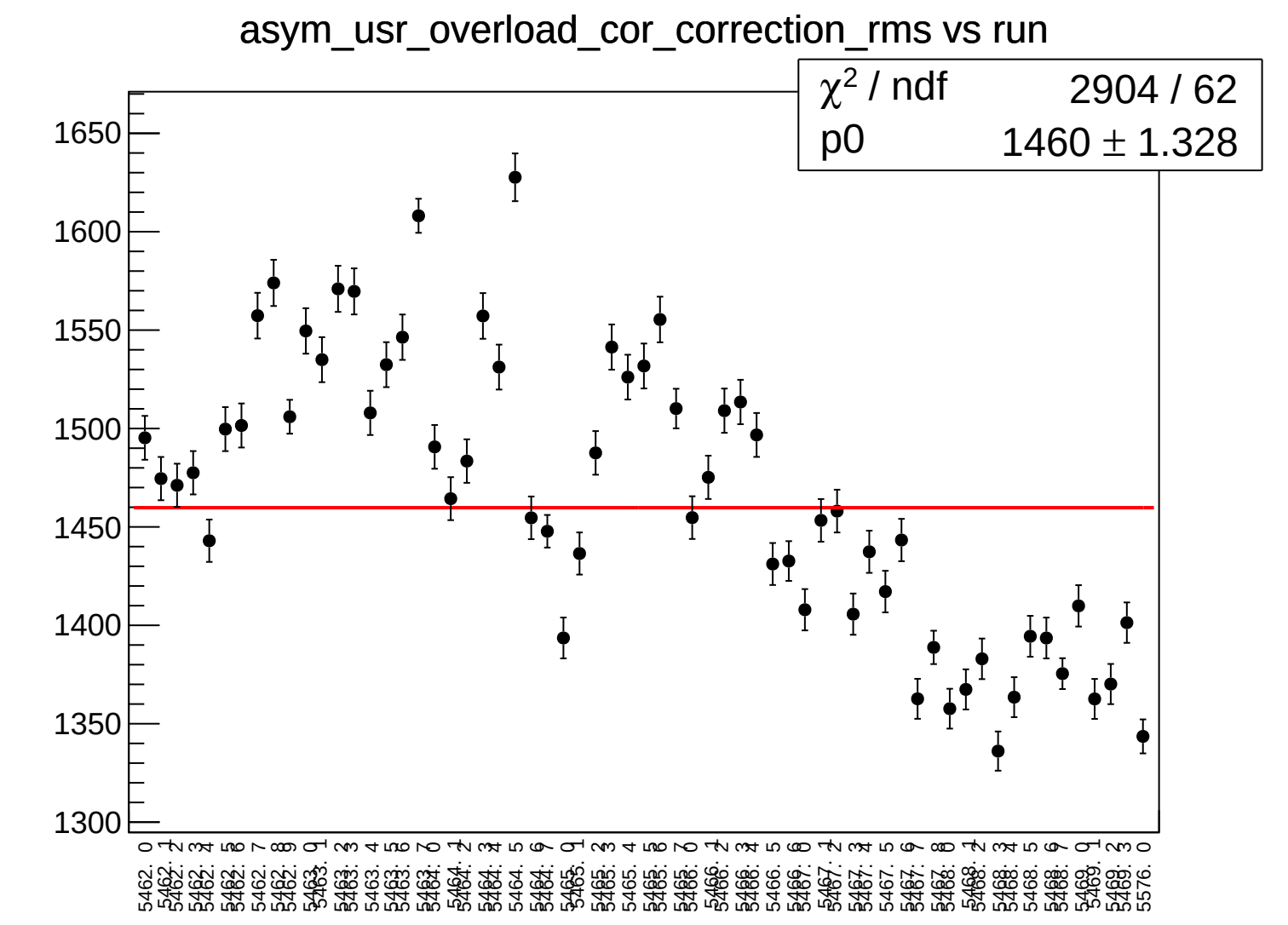

overload_cor_asym_usr_mean vs run
χ² / ndf 63.86 / 62
p0 1746 ± 1392
pull
Entries 63
Mean 196.7
Std Dev 0

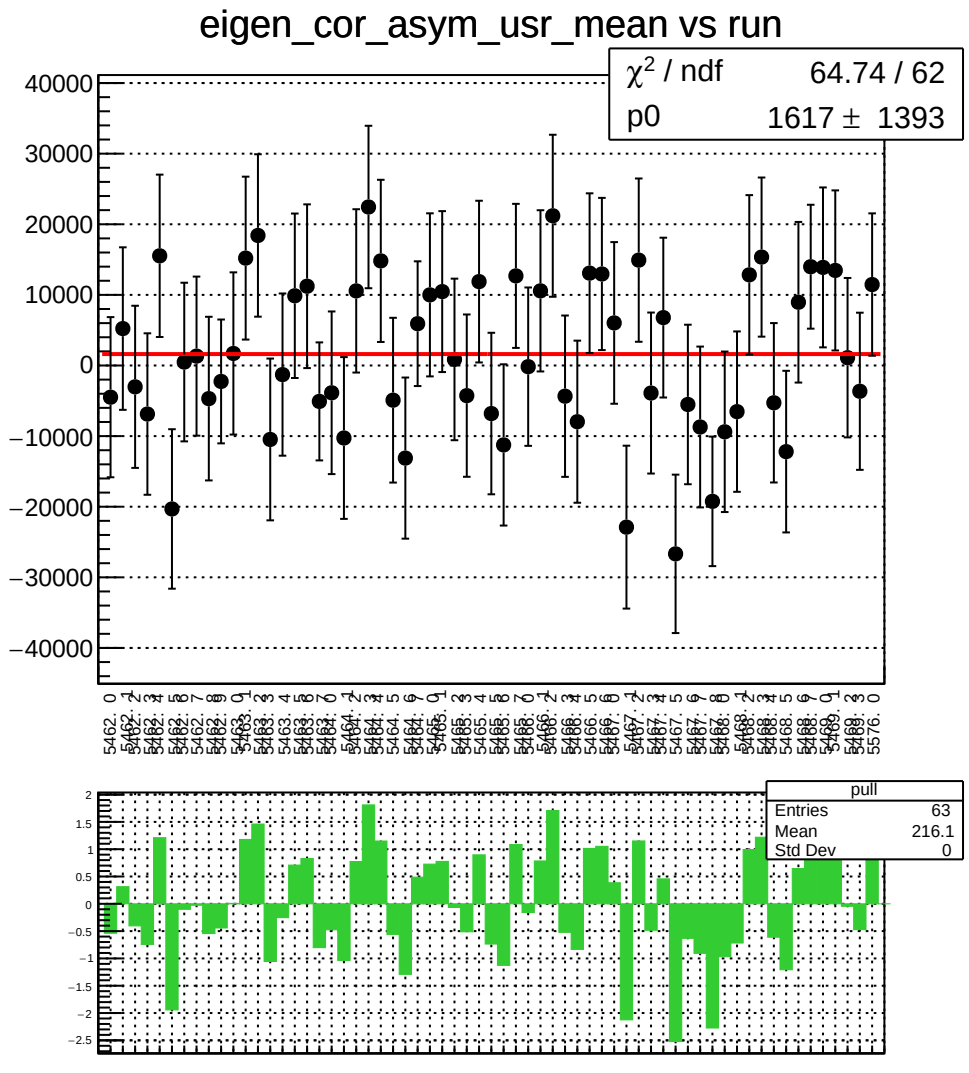

pull1D
Entries 63
Mean 0.003487
Std Dev 1.007

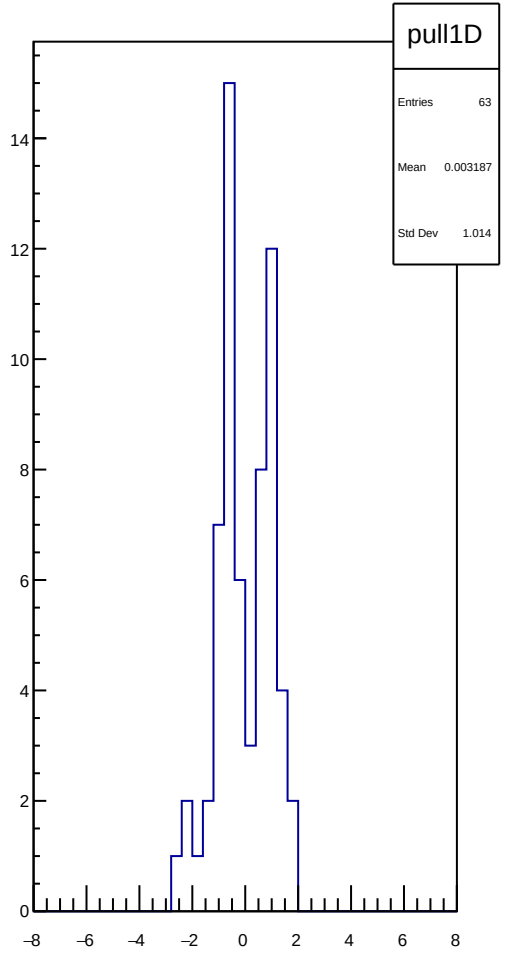

overload_cor_asym_usr_rms vs run
χ² / ndf 118.5 / 62
p0 1083 ± 0.9843
1120
1110
1100
1090
1080
1070
1060
1050

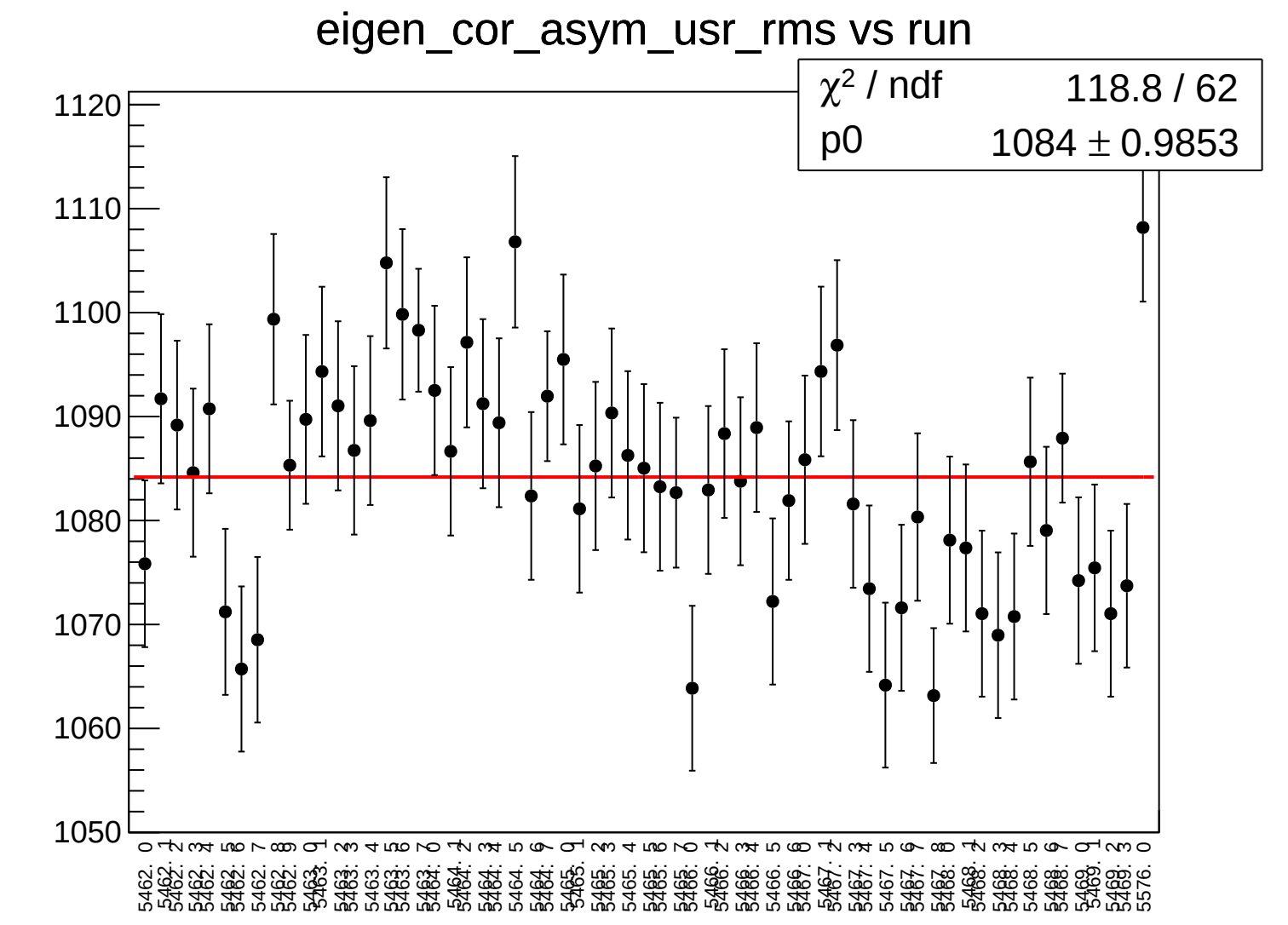

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 50.18 / 62
p0 −1256 ± 1878
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −53.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

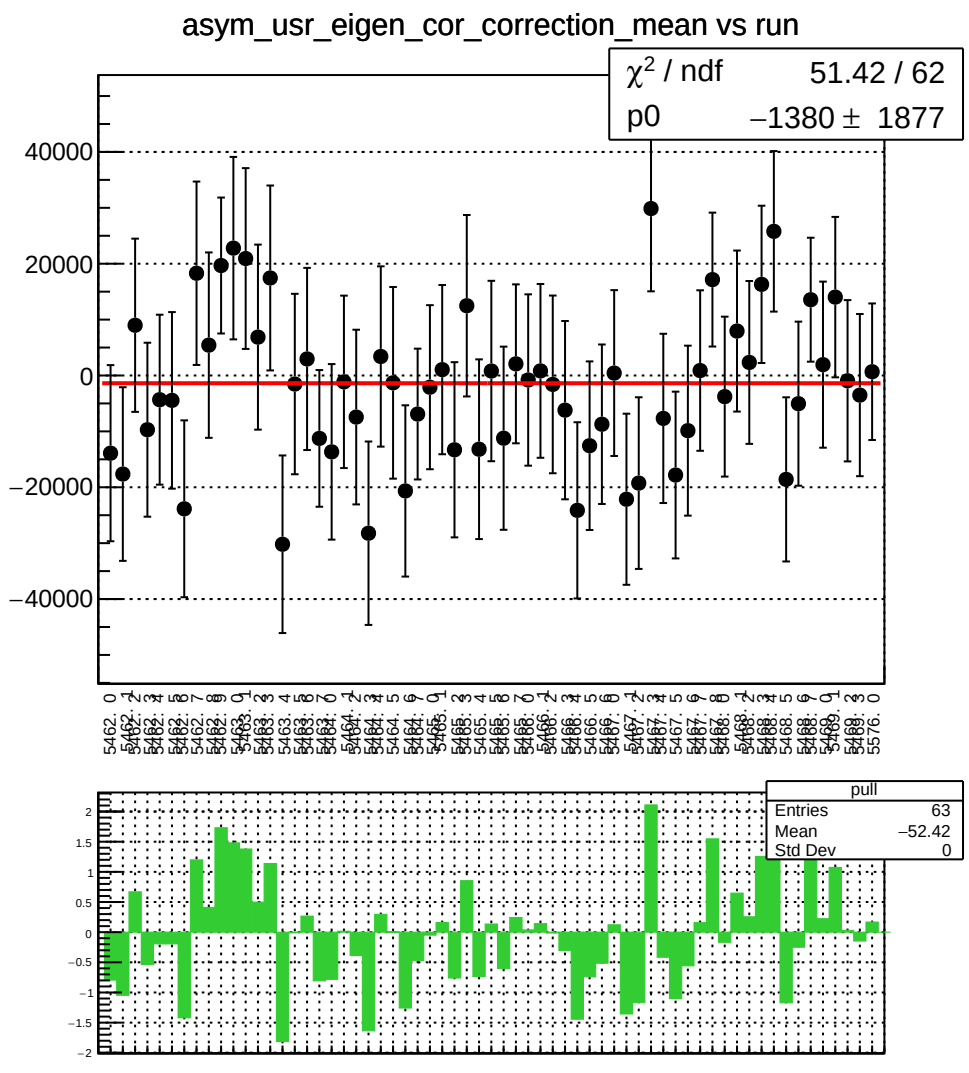

pull1D
Entries 63
Mean −0.02098
Std Dev 0.8922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

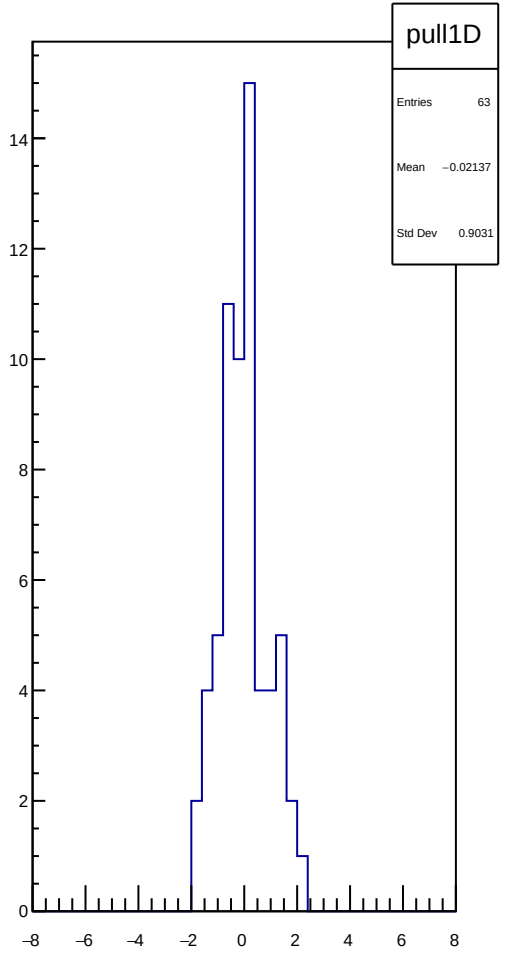

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2904 / 62
p0 1460 ± 1.328
1650
1600
1550
1500
1450
1400
1350
1300

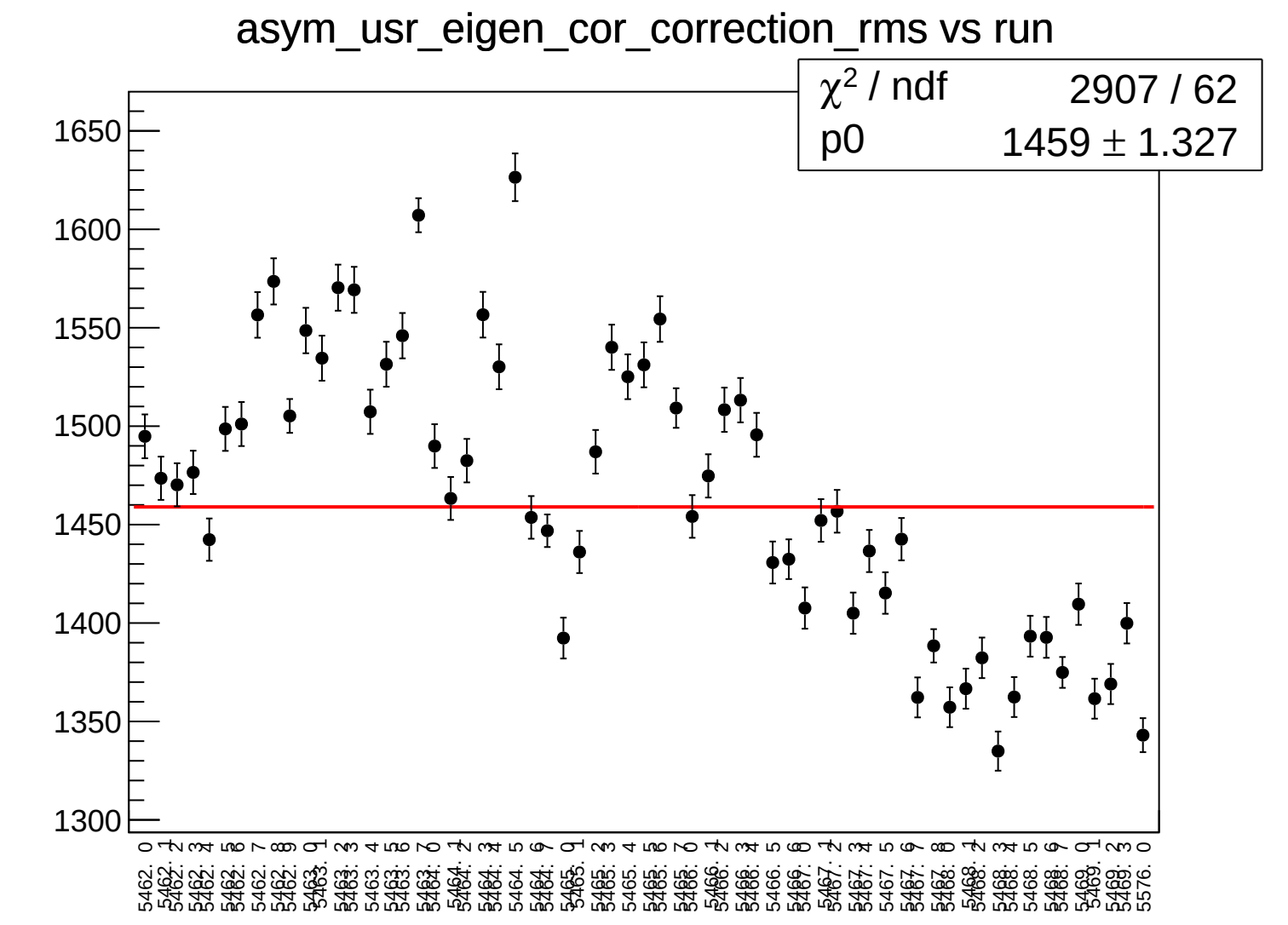

eigen_cor_asym_usr_mean vs run
χ² / ndf 64.74 / 62
p0 1617 ± 1393
pull
Entries 63
Mean 216.1
Std Dev 0

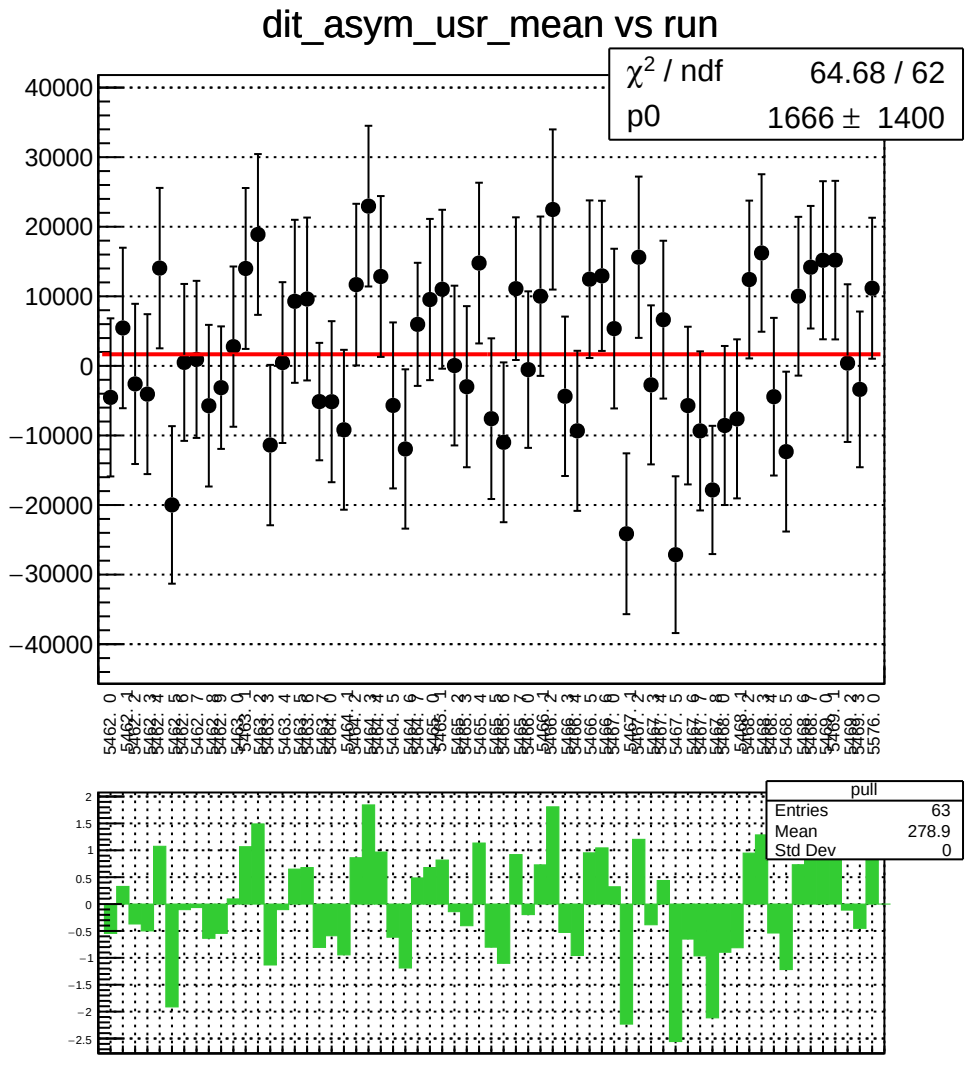

pull1D
Entries 63
Mean 0.003187
Std Dev 1.014

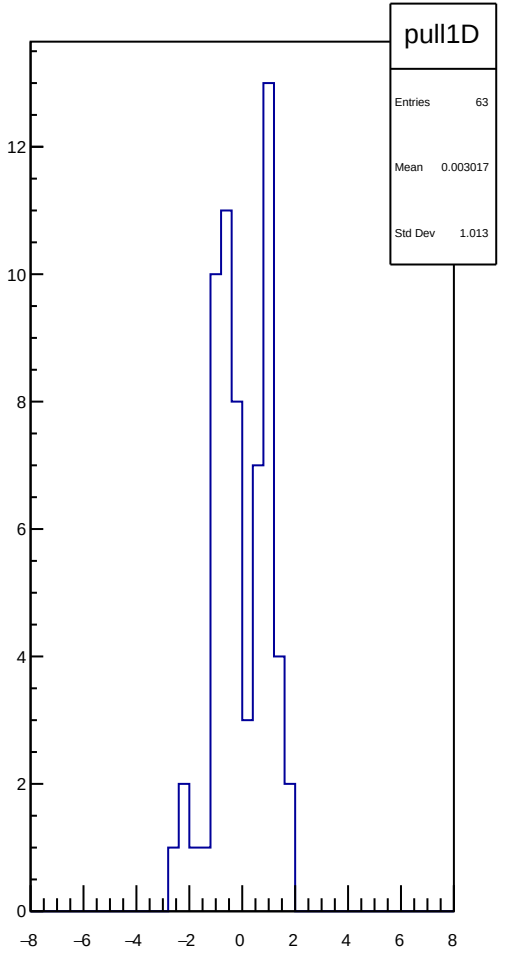

eigen_cor_asym_usr_rms vs run
χ² / ndf 118.8 / 62
p0 1084 ± 0.9853
1120
1110
1100
1090
1080
1070
1060
1050

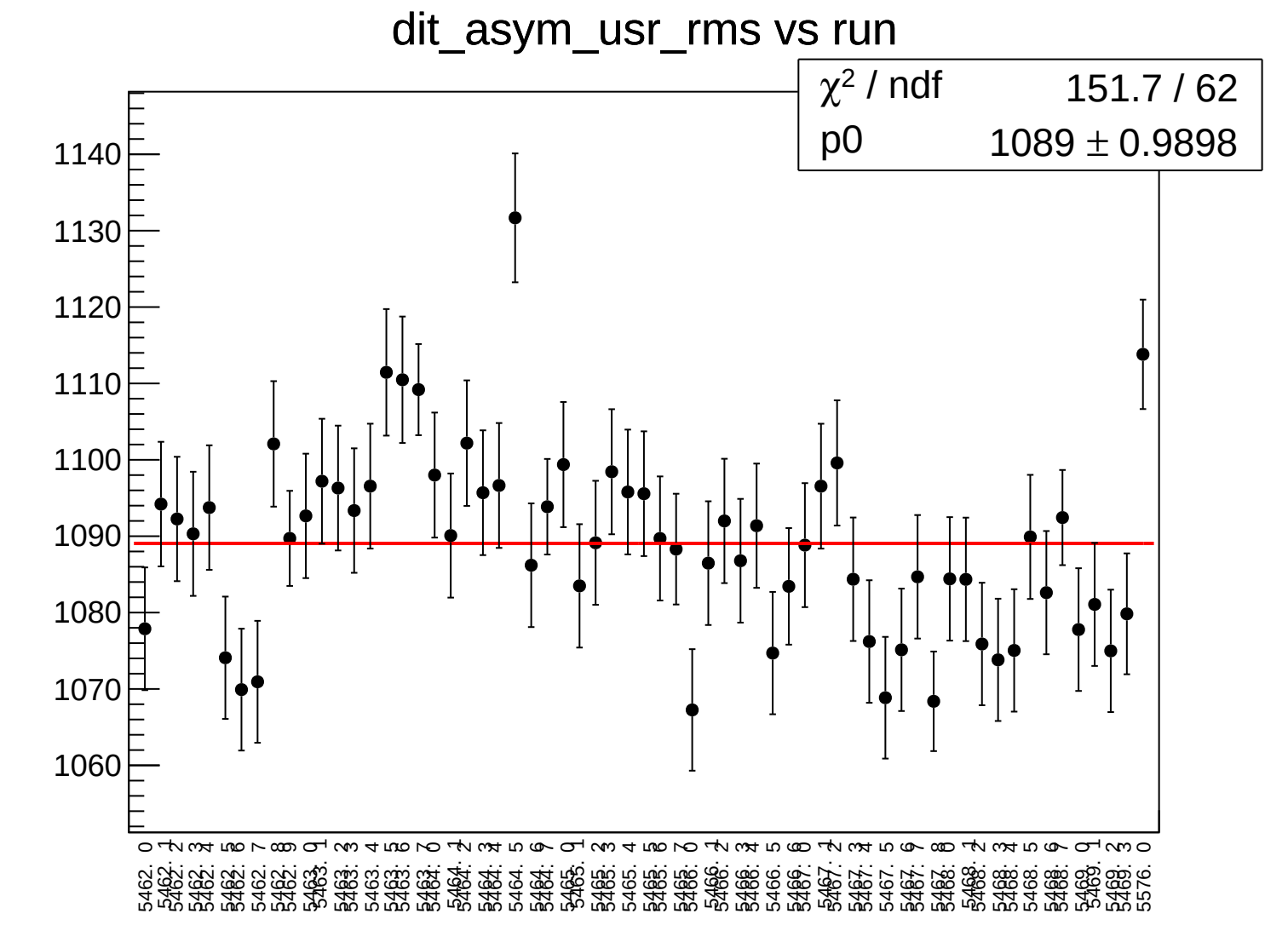

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 51.42 / 62
p0 −1380 ± 1877
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −52.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

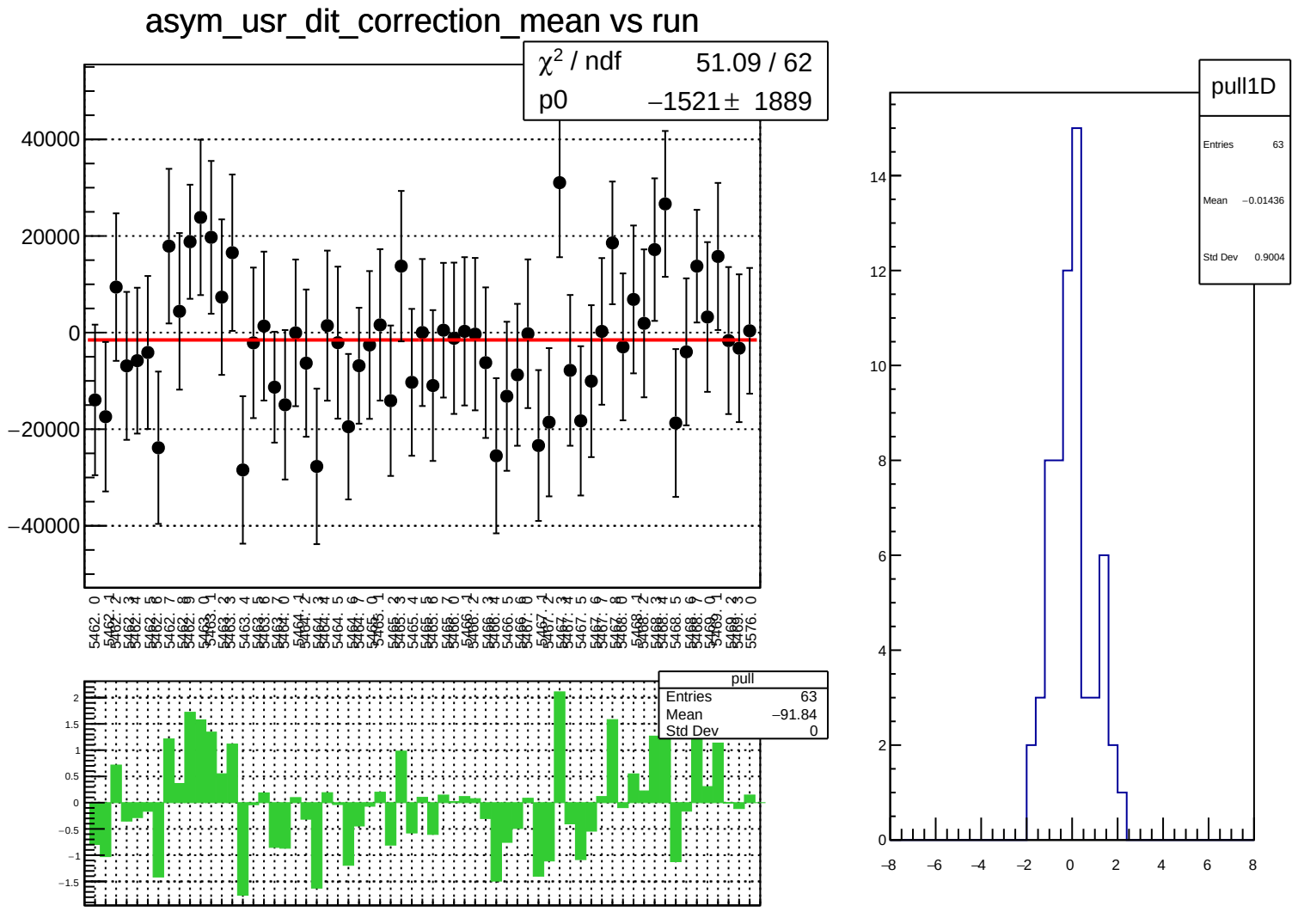

pull1D
Entries 63
Mean −0.02137
Std Dev 0.9031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

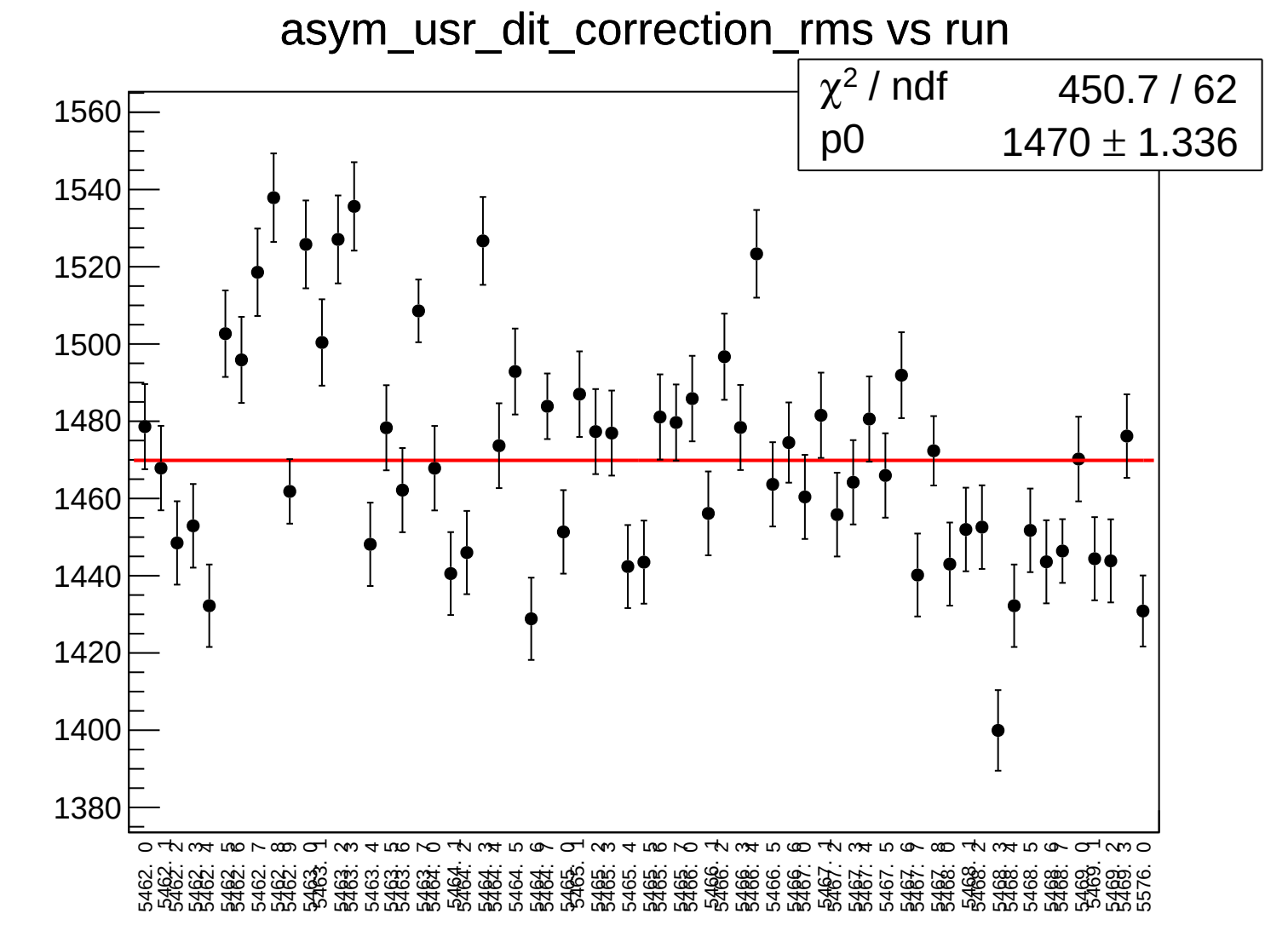

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2907 / 62
p0 1459 ± 1.327
1650
1600
1550
1500
1450
1400
1350
1300

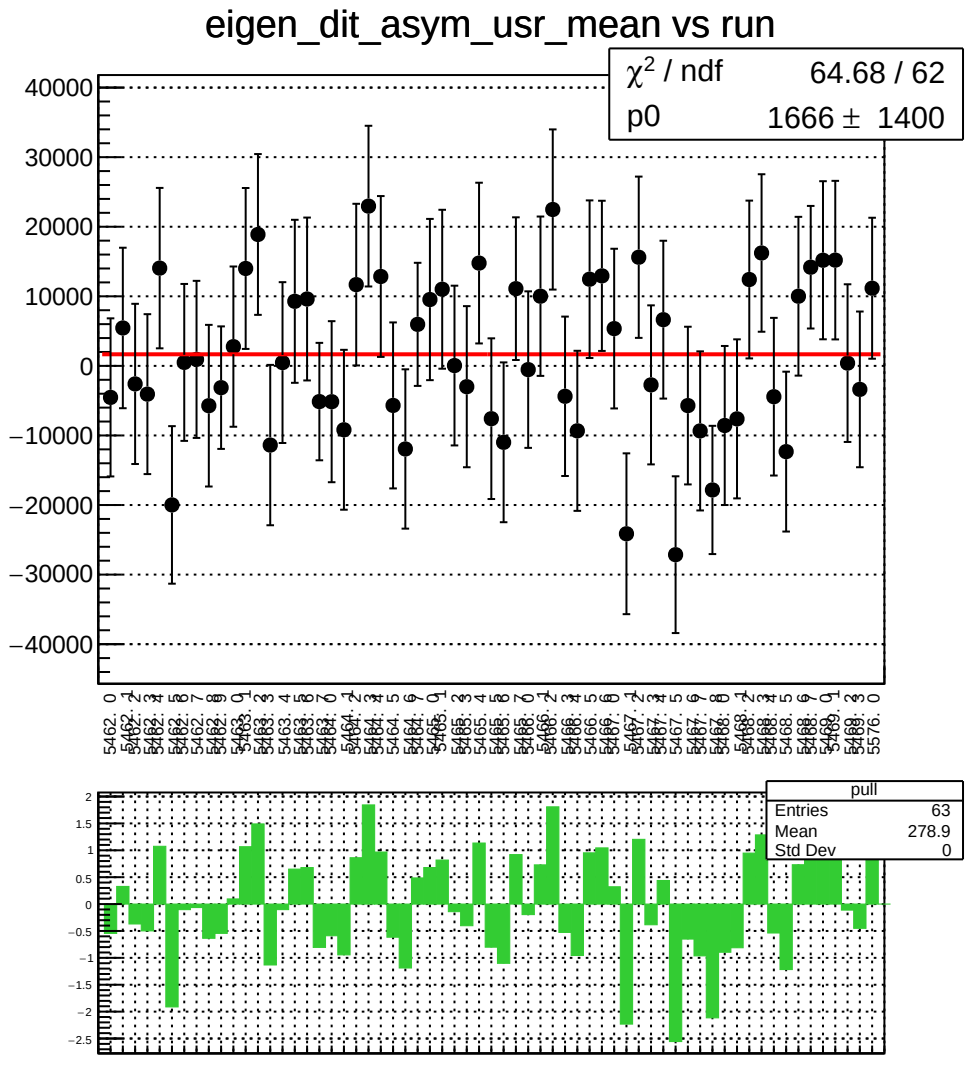

dit_asym_usr_mean vs run
χ² / ndf 64.68 / 62
p0 1666 ± 1400
pull
Entries 63
Mean 278.9
Std Dev 0

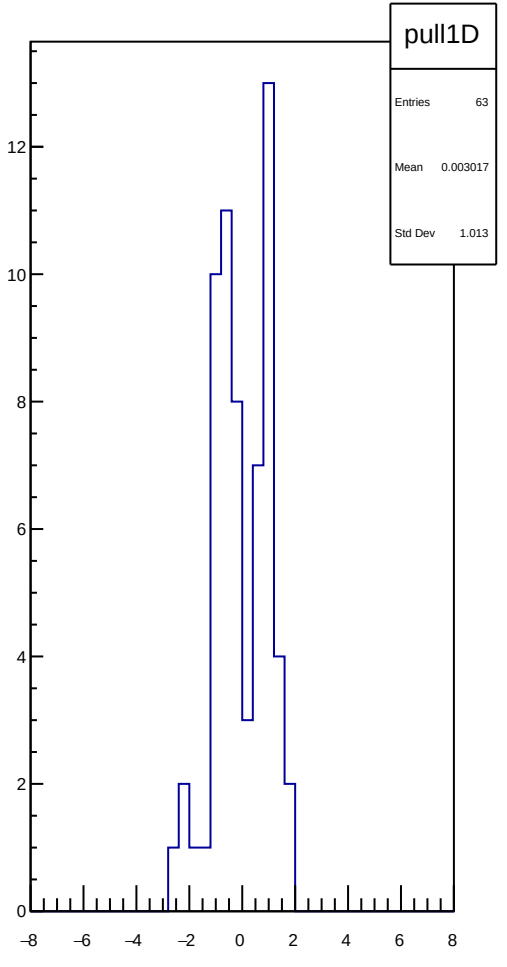

pull1D
Entries 63
Mean 0.003017
Std Dev 1.013

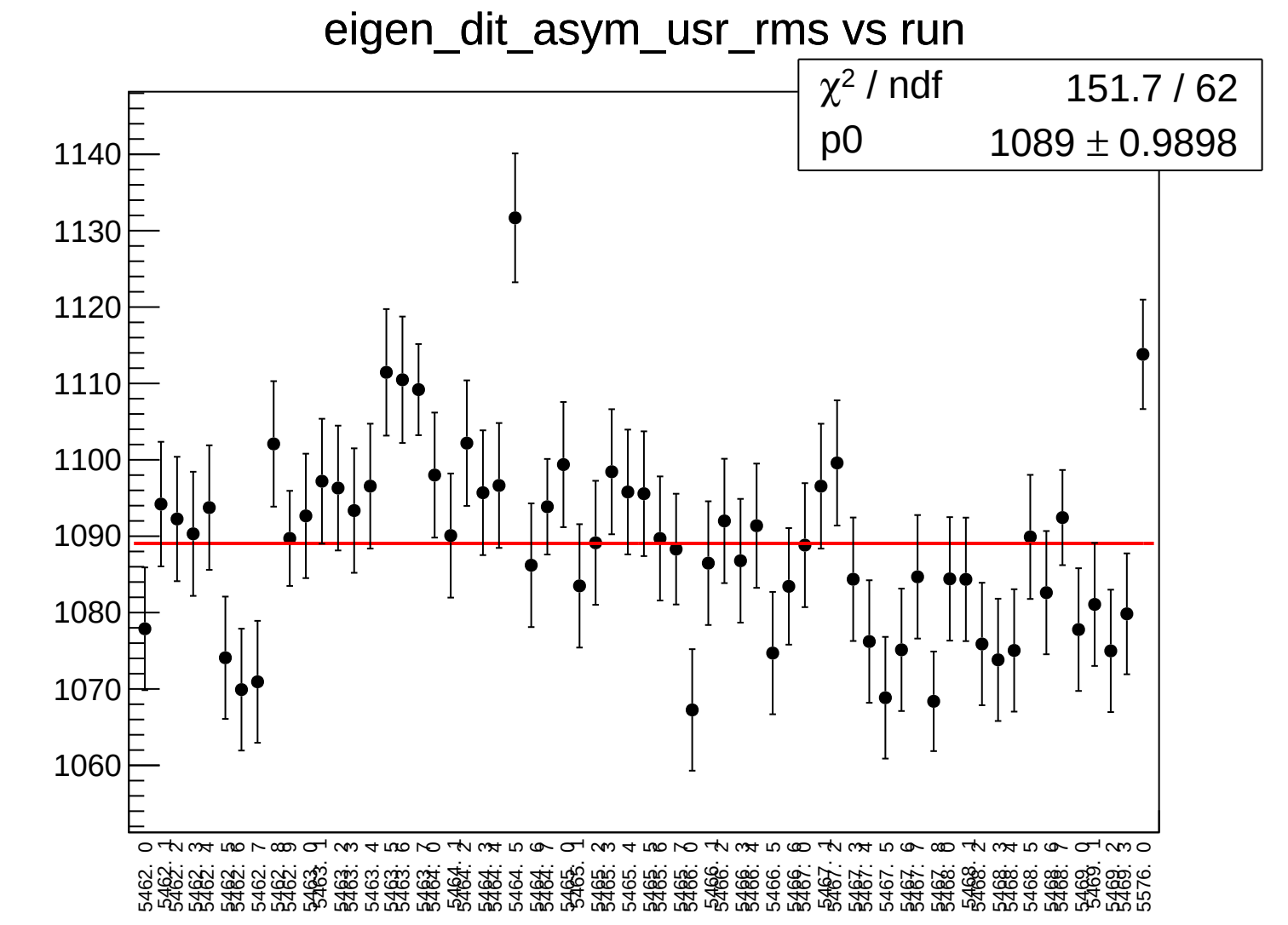

dit_asym_usr_rms vs run
χ² / ndf 151.7 / 62
p0 1089 ± 0.9898
1140
1130
1120
1110
1100
1090
1080
1070
1060

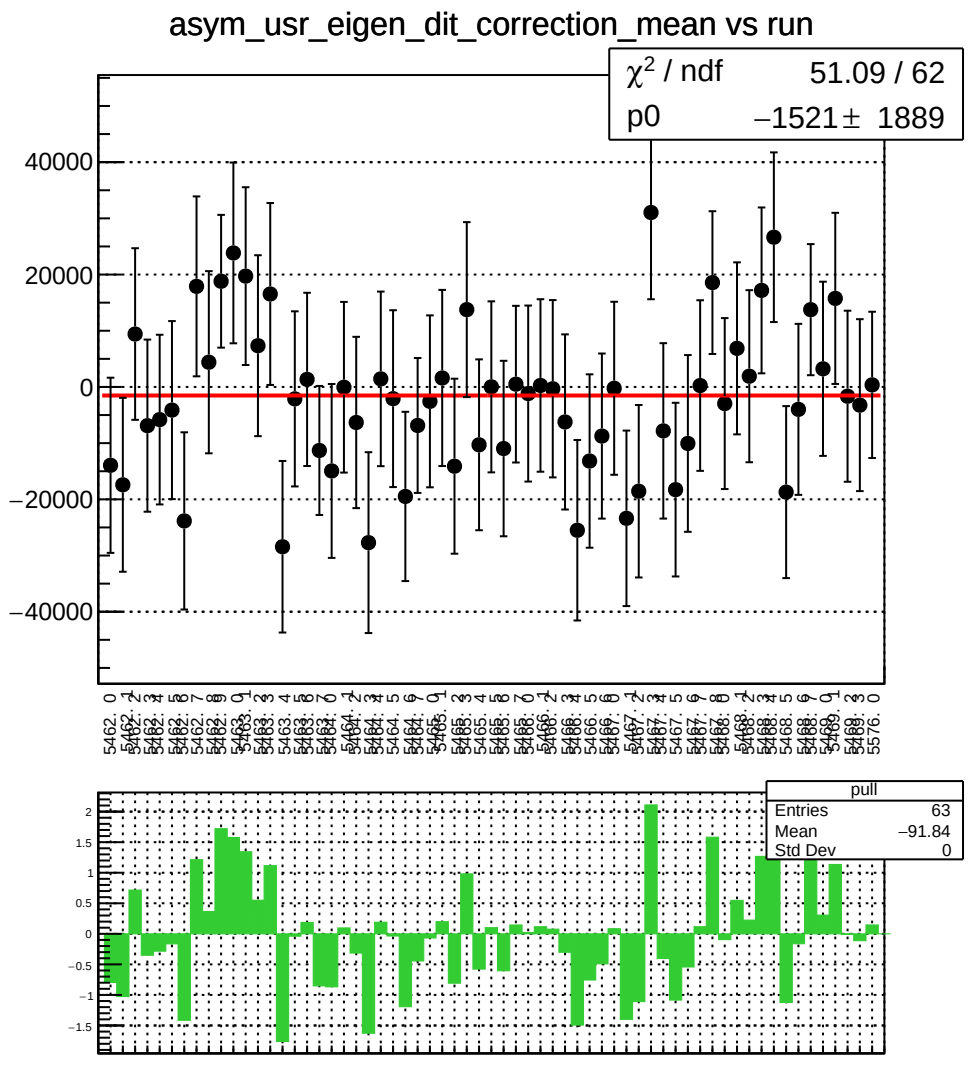

asym_usr_dit_correction_mean vs run
χ² / ndf 51.09 / 62
p0 −1521 ± 1889
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −91.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 63
Mean −0.01436
Std Dev 0.9004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

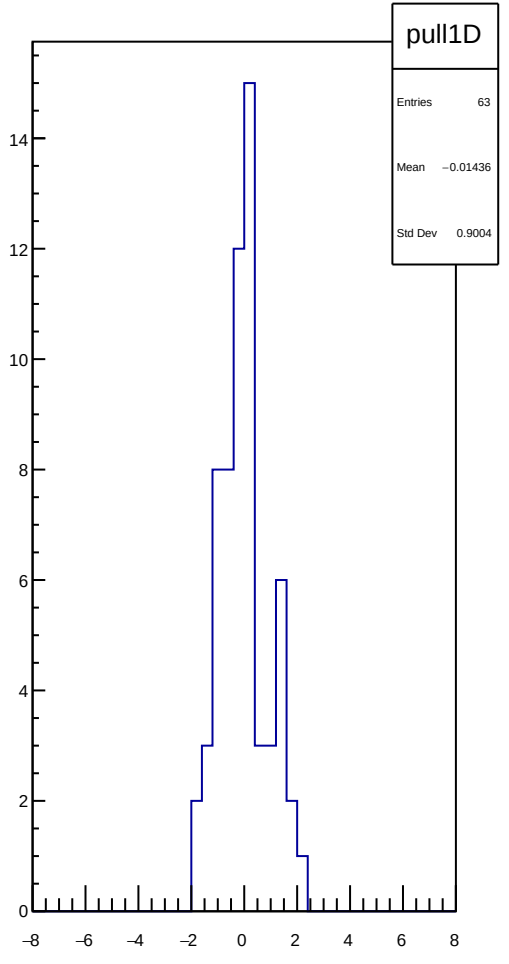

asym_usr_dit_correction_rms vs run
χ² / ndf 450.7 / 62
p0 1470 ± 1.336
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

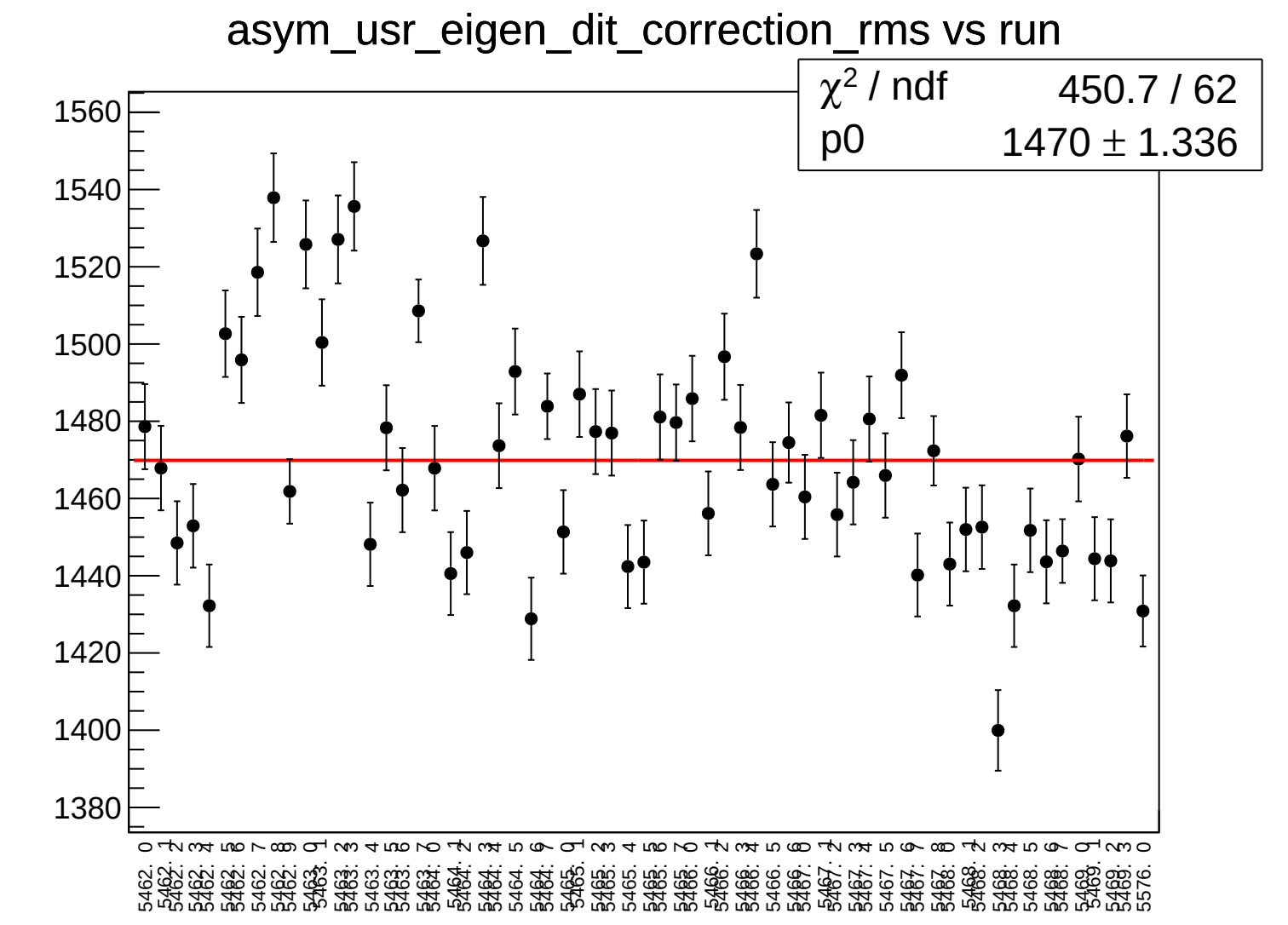

eigen_dit_asym_usr_mean vs run
χ² / ndf 64.68 / 62
p0 1666 ± 1400
pull
Entries 63
Mean 278.9
Std Dev 0

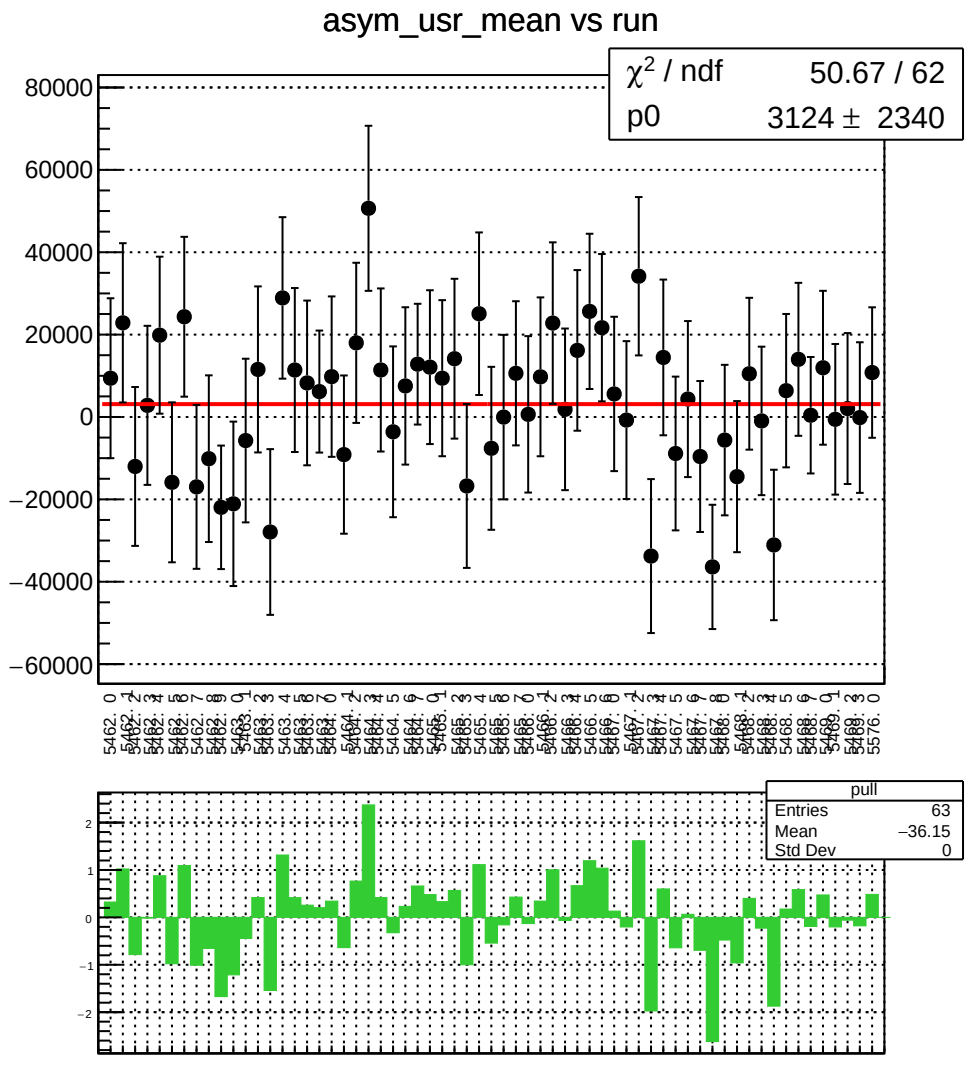

pull1D
Entries 63
Mean 0.003017
Std Dev 1.013

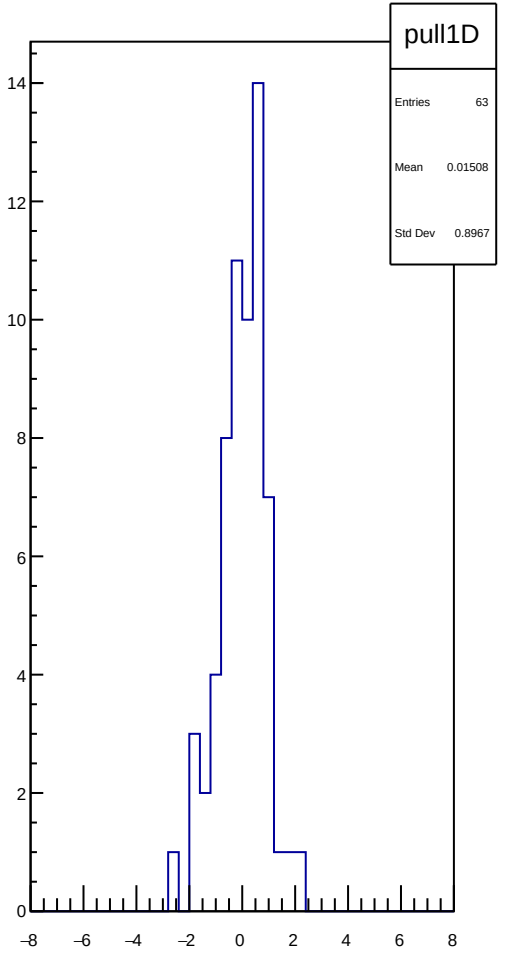

eigen_dit_asym_usr_rms vs run
χ² / ndf 151.7 / 62
p0 1089 ± 0.9898
1140
1130
1120
1110
1100
1090
1080
1070
1060

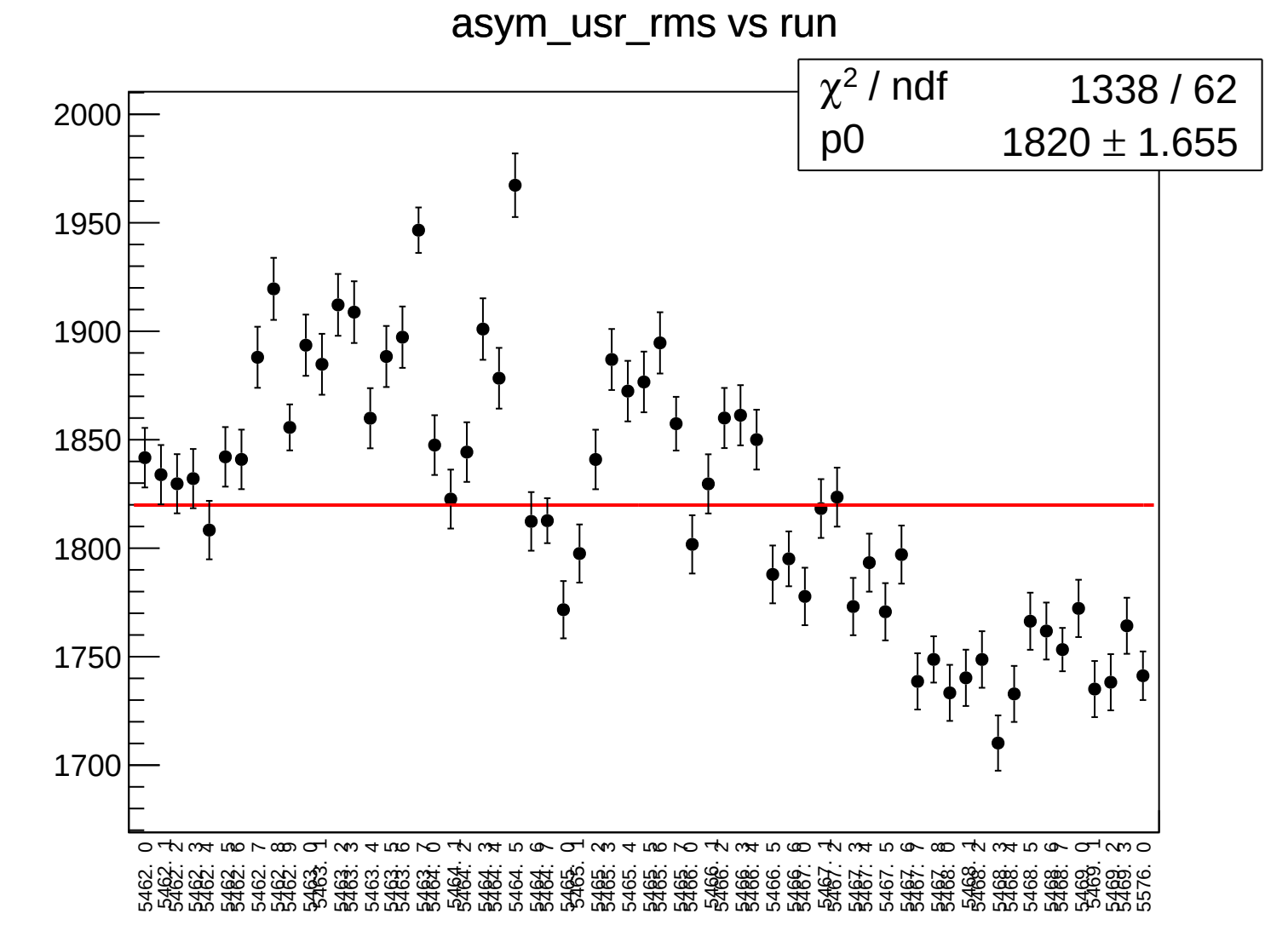

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 51.09 / 62
p0 −1521 ± 1889
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −91.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

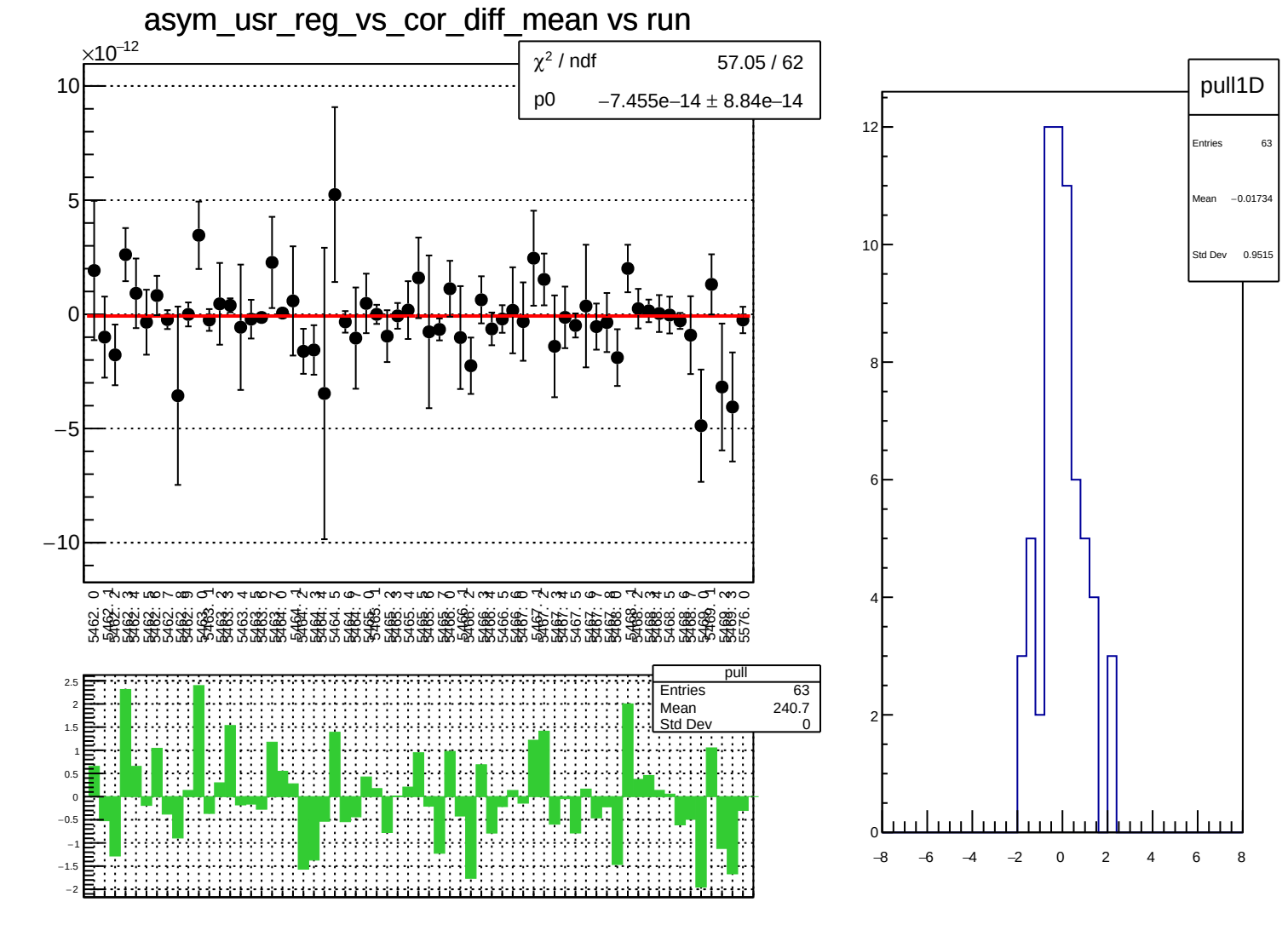

pull1D
Entries 63
Mean −0.01436
Std Dev 0.9004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

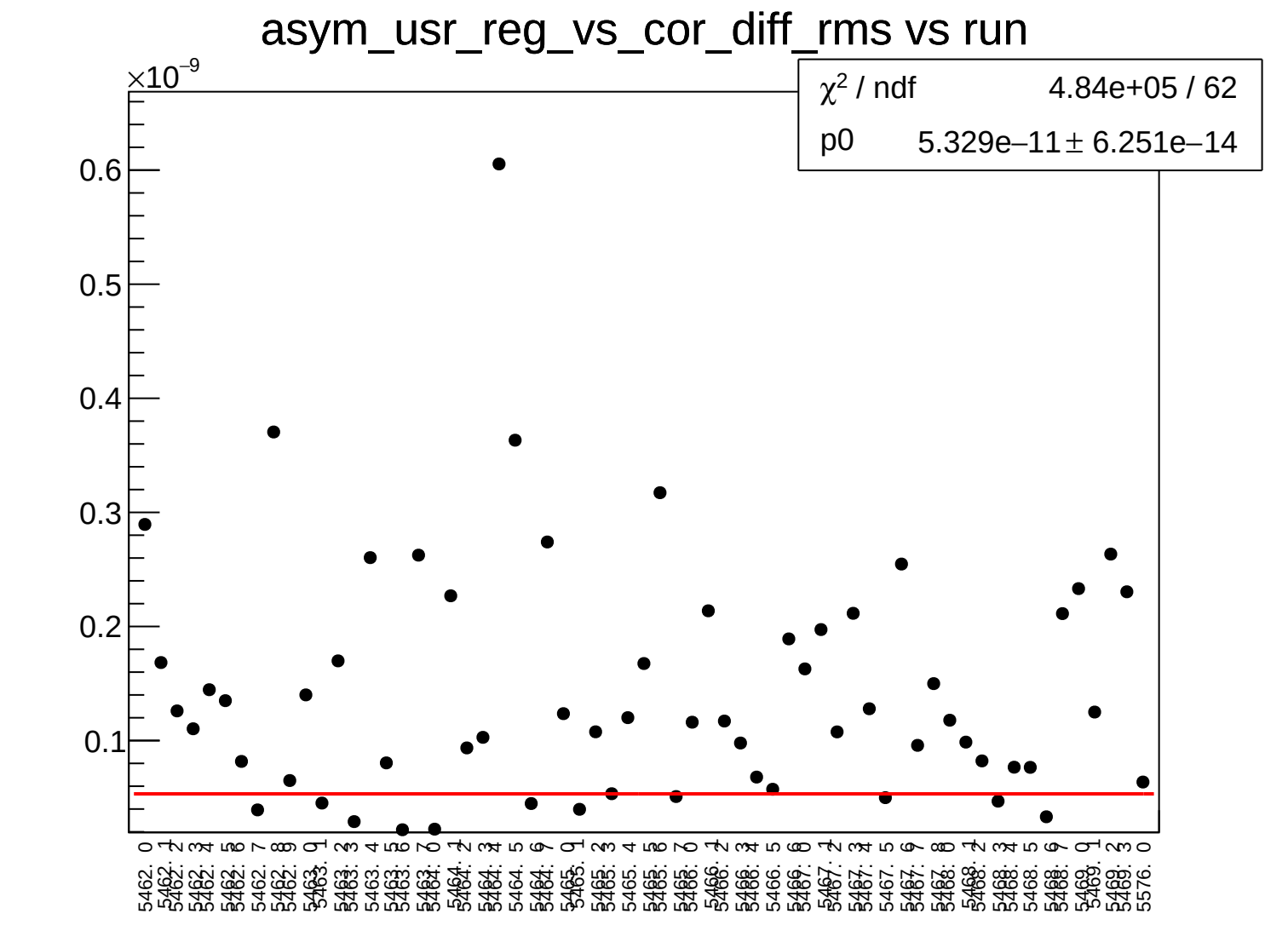

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 450.7 / 62
p0 1470 ± 1.336
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

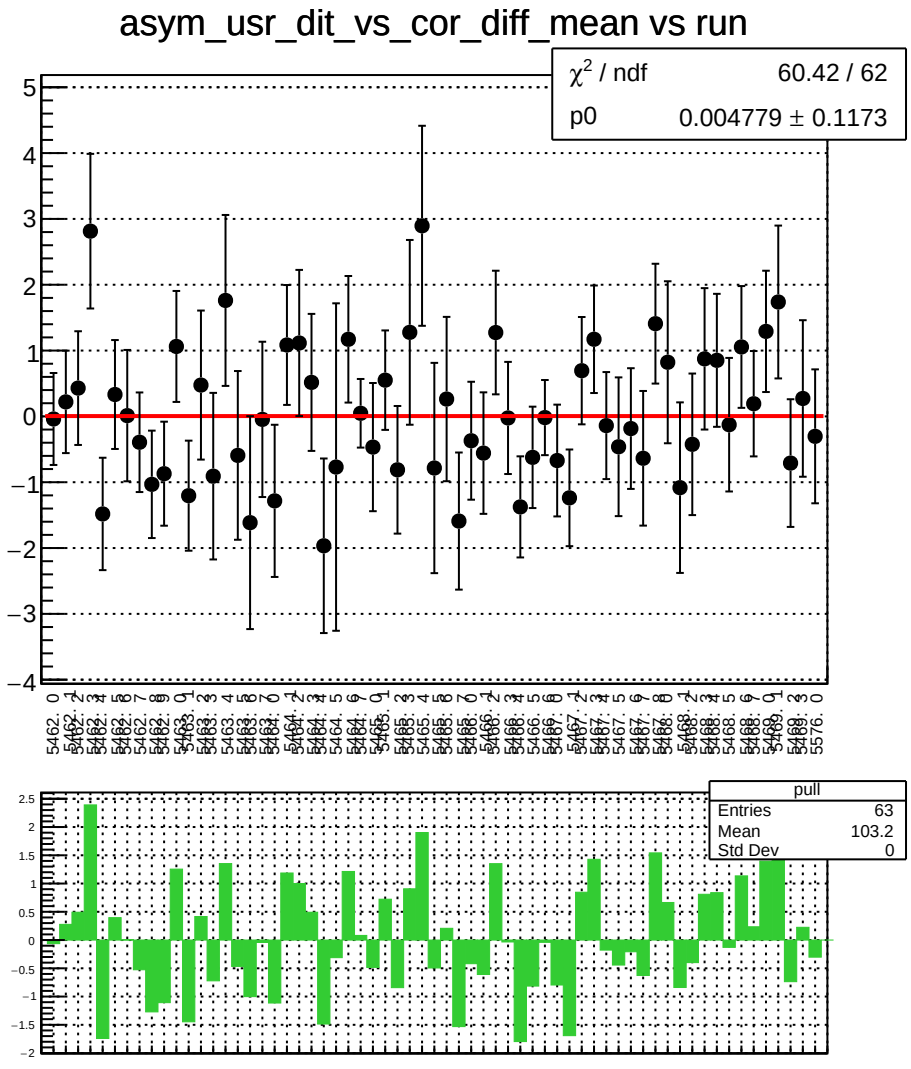

asym_usr_mean vs run
χ² / ndf 50.67 / 62
p0 3124 ± 2340
pull
Entries 63
Mean −36.15
Std Dev 0

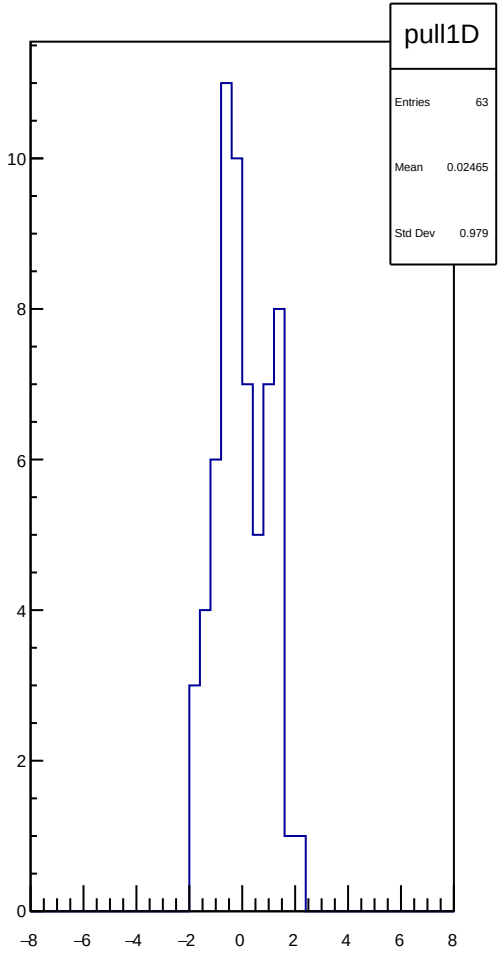

pull1D
Entries 63
Mean 0.01508
Std Dev 0.8967

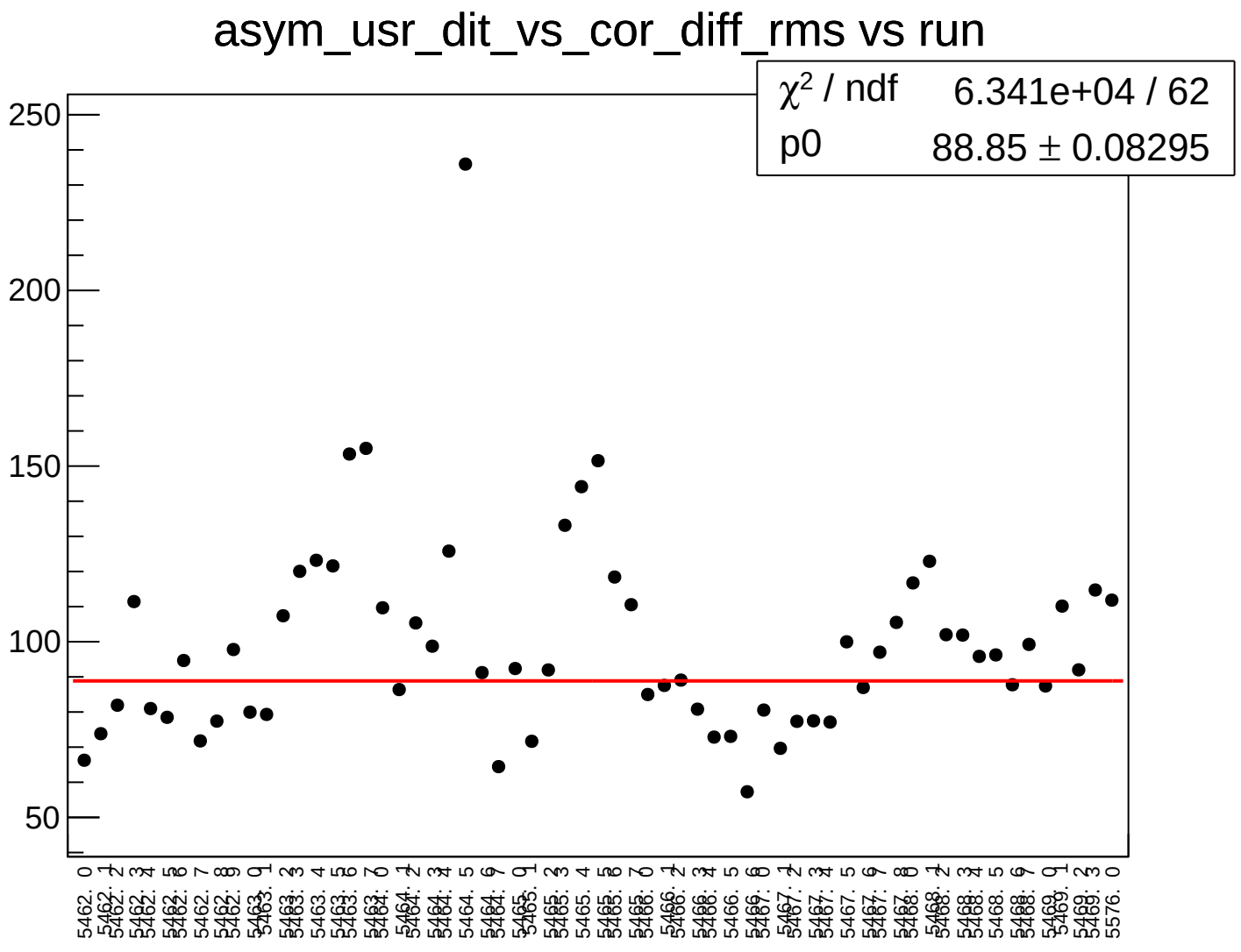

asym_usr_rms vs run
χ² / ndf 1338 / 62
p0 1820 ± 1.655
2000
1950
1900
1850
1800
1750
1700
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

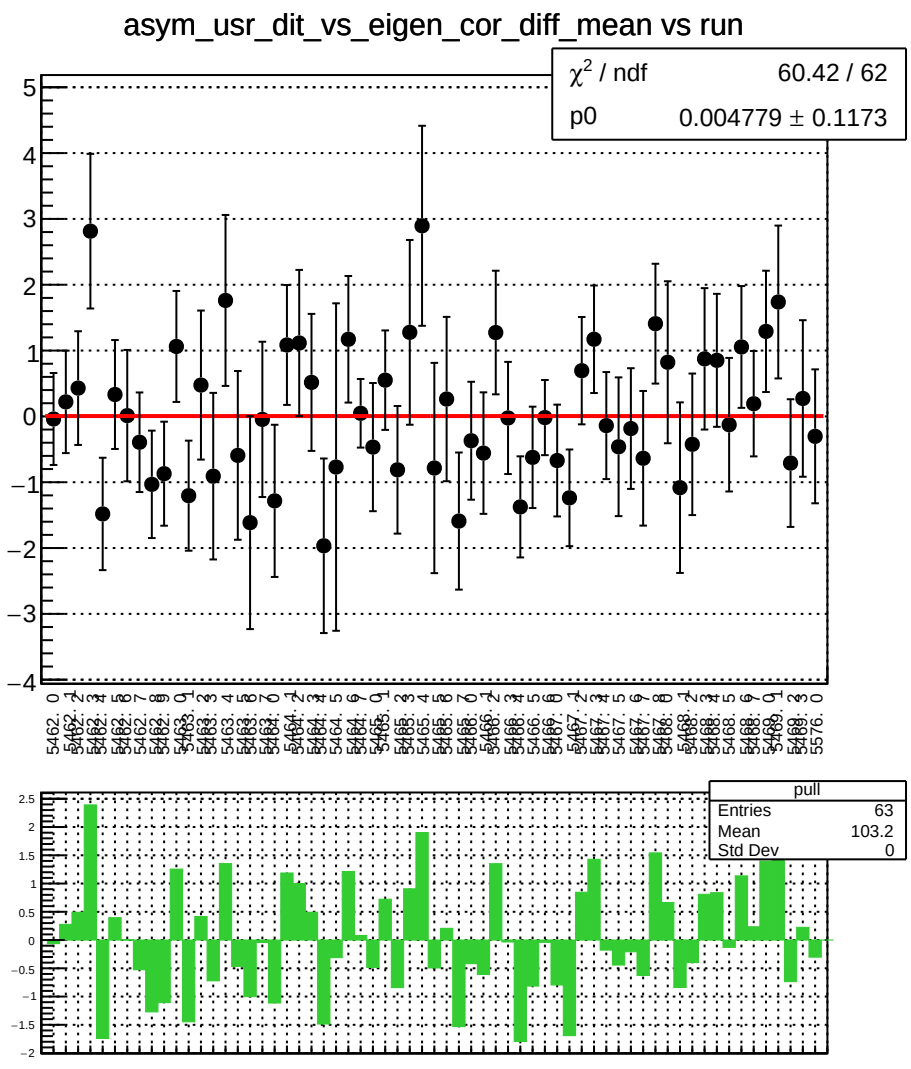

asym_usr_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 57.05 / 62
p0 −7.455e−14 ± 8.84e−14
pull
Entries 63
Mean 240.7
Std Dev 0
pull1D
Entries 63
Mean −0.01734
Std Dev 0.9515

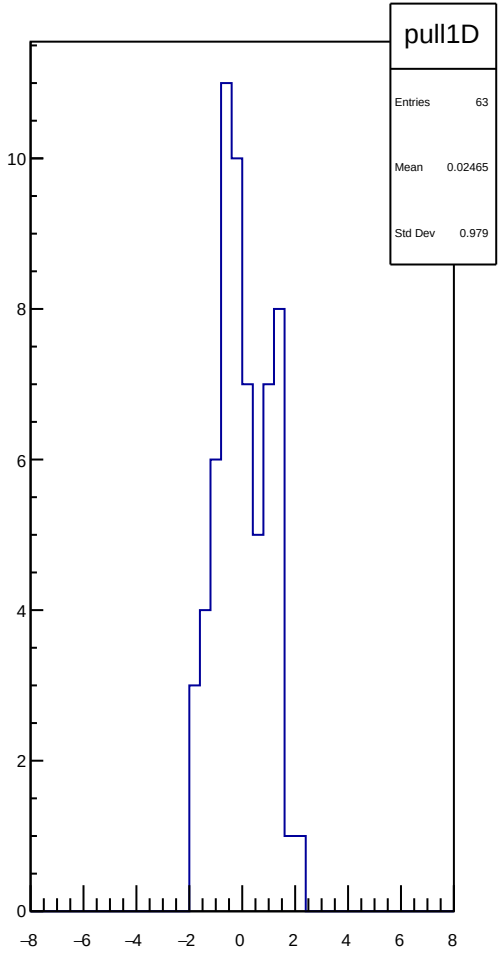

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.84e+05 / 62
p0 5.329e−11 ± 6.251e−14
0.6
0.5
0.4
0.3
0.2
0.1

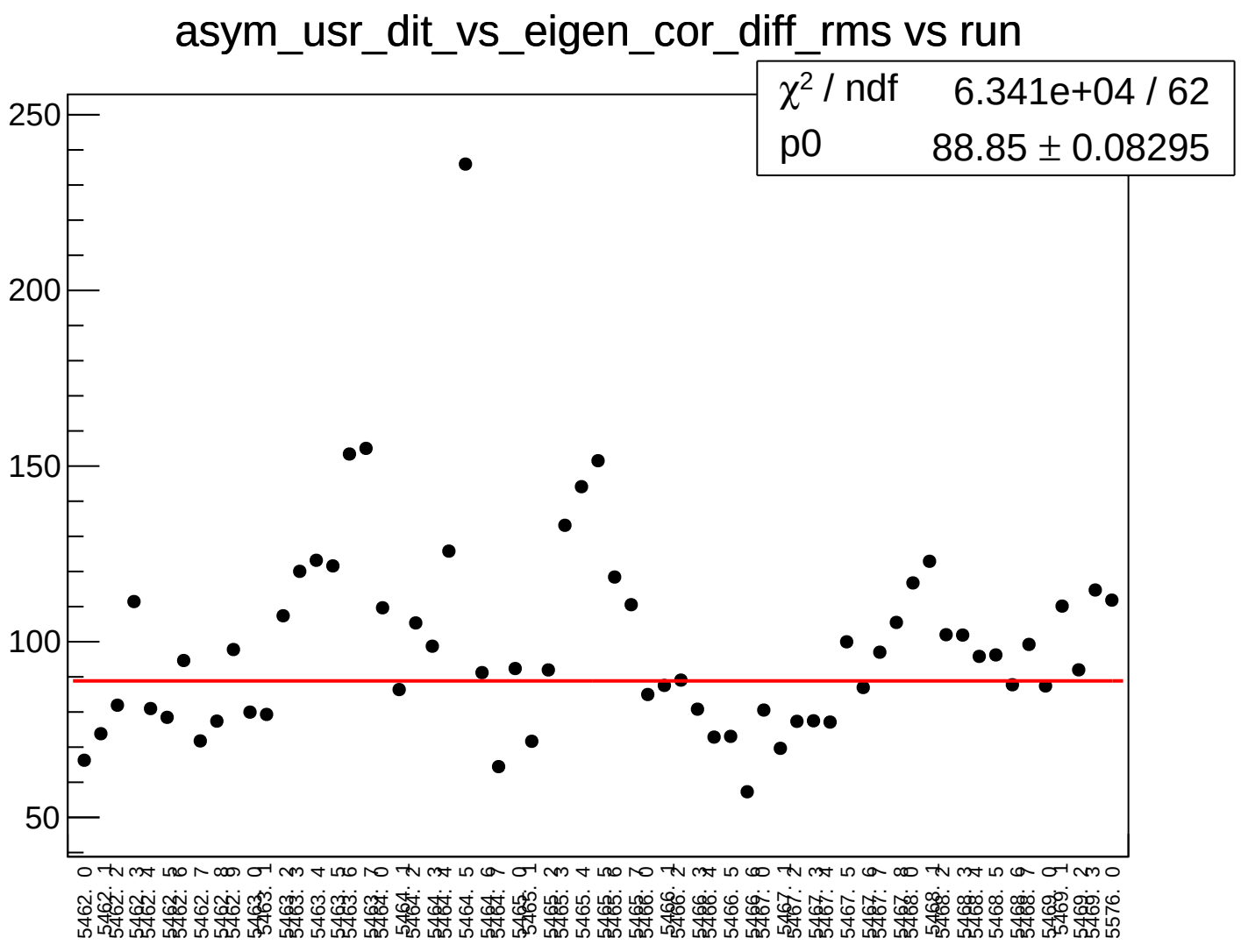

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 60.42 / 62
p0 0.004779 ± 0.1173
pull
Entries 63
Mean 103.2
Std Dev 0

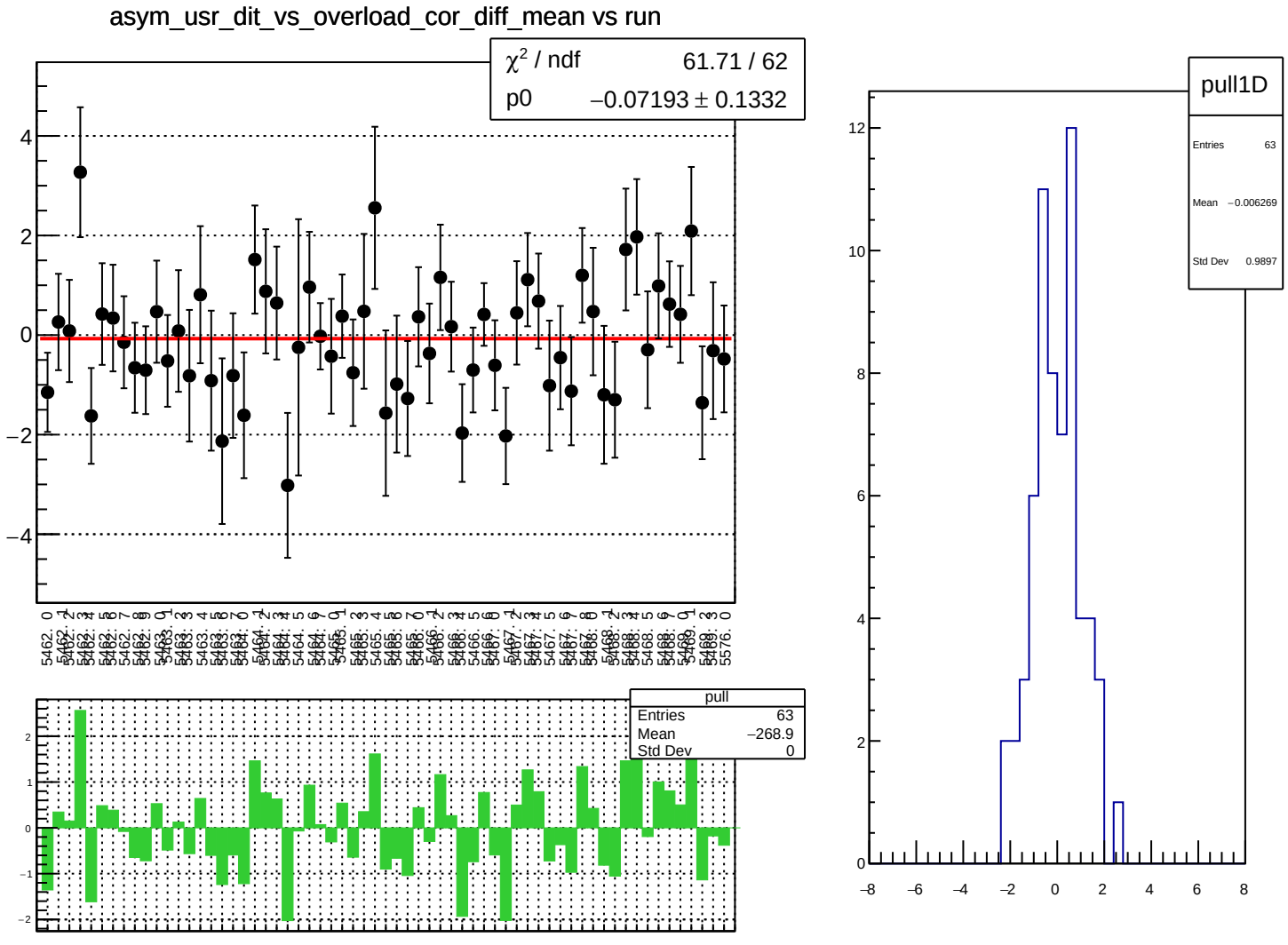

pull1D
Entries 63
Mean 0.02465
Std Dev 0.979

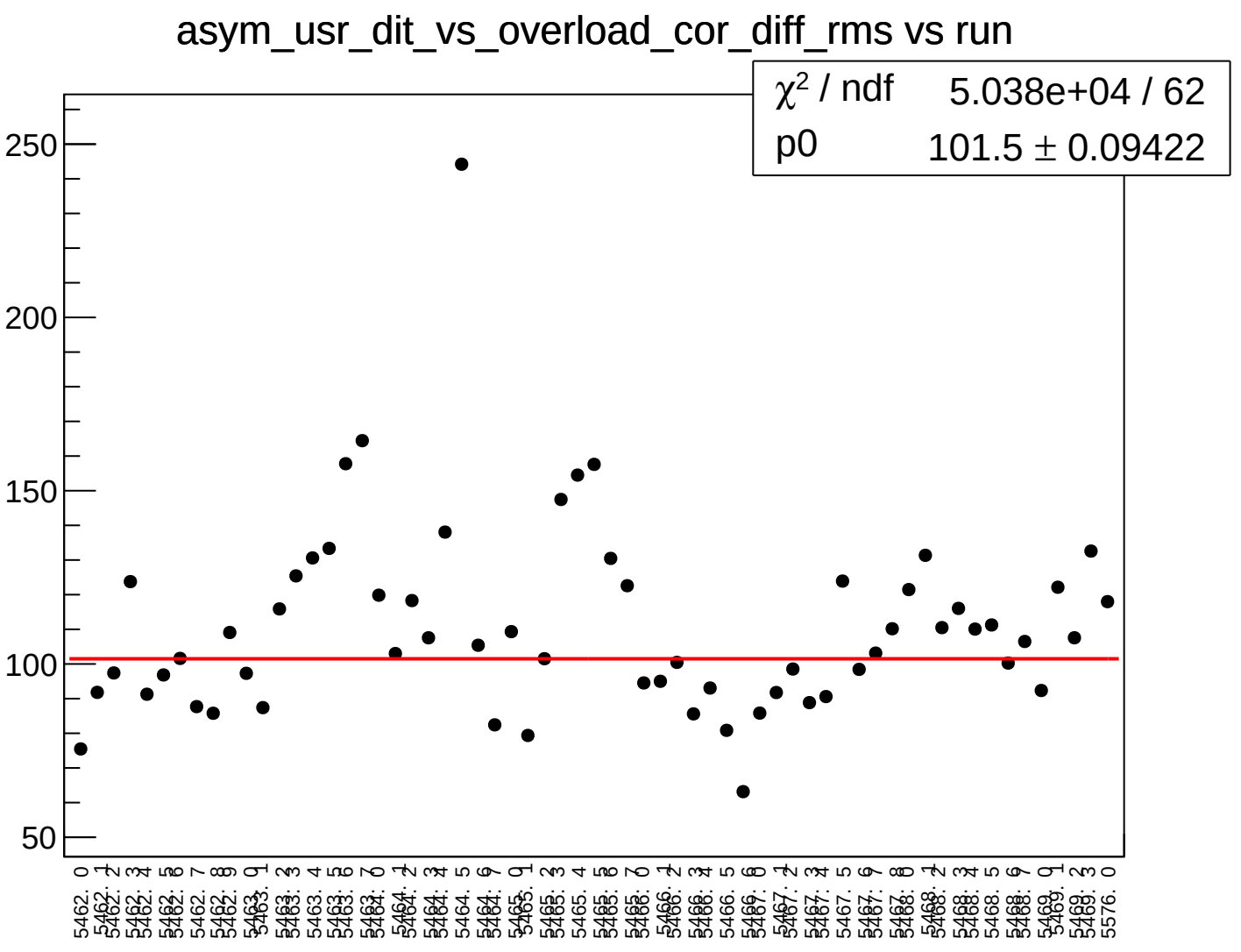

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 6.341e+04 / 62
p0 88.85 ± 0.08295
250
200
150
100
50

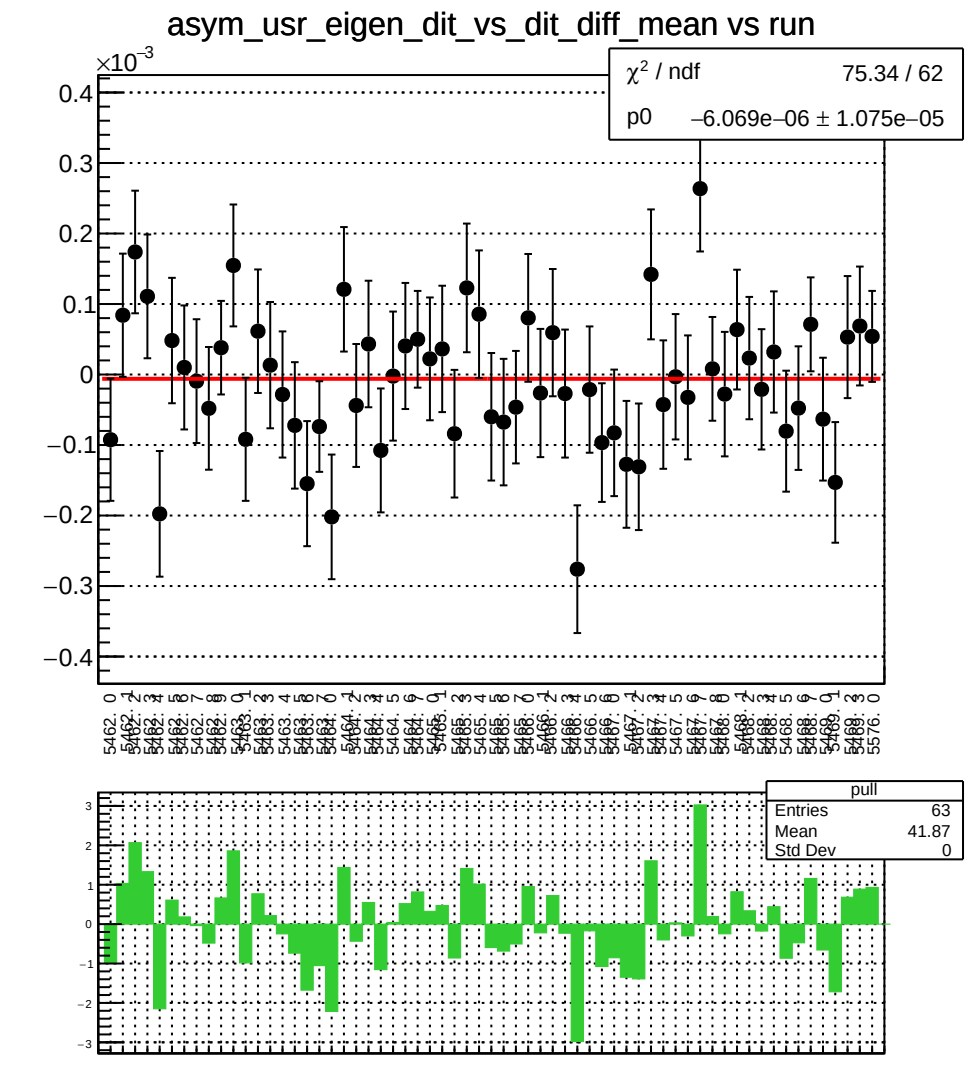

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.42 / 62
p0 0.004779 ± 0.1173
pull
Entries 63
Mean 103.2
Std Dev 0

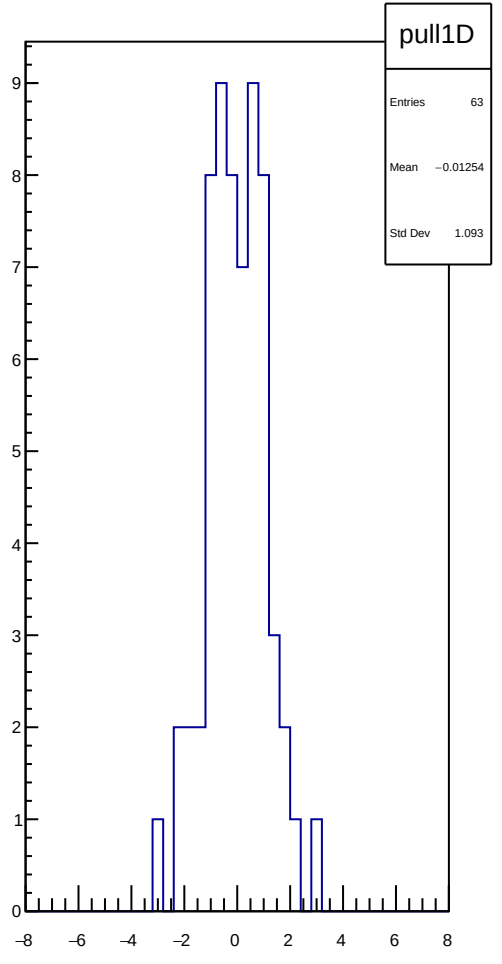

pull1D
Entries 63
Mean 0.02465
Std Dev 0.979

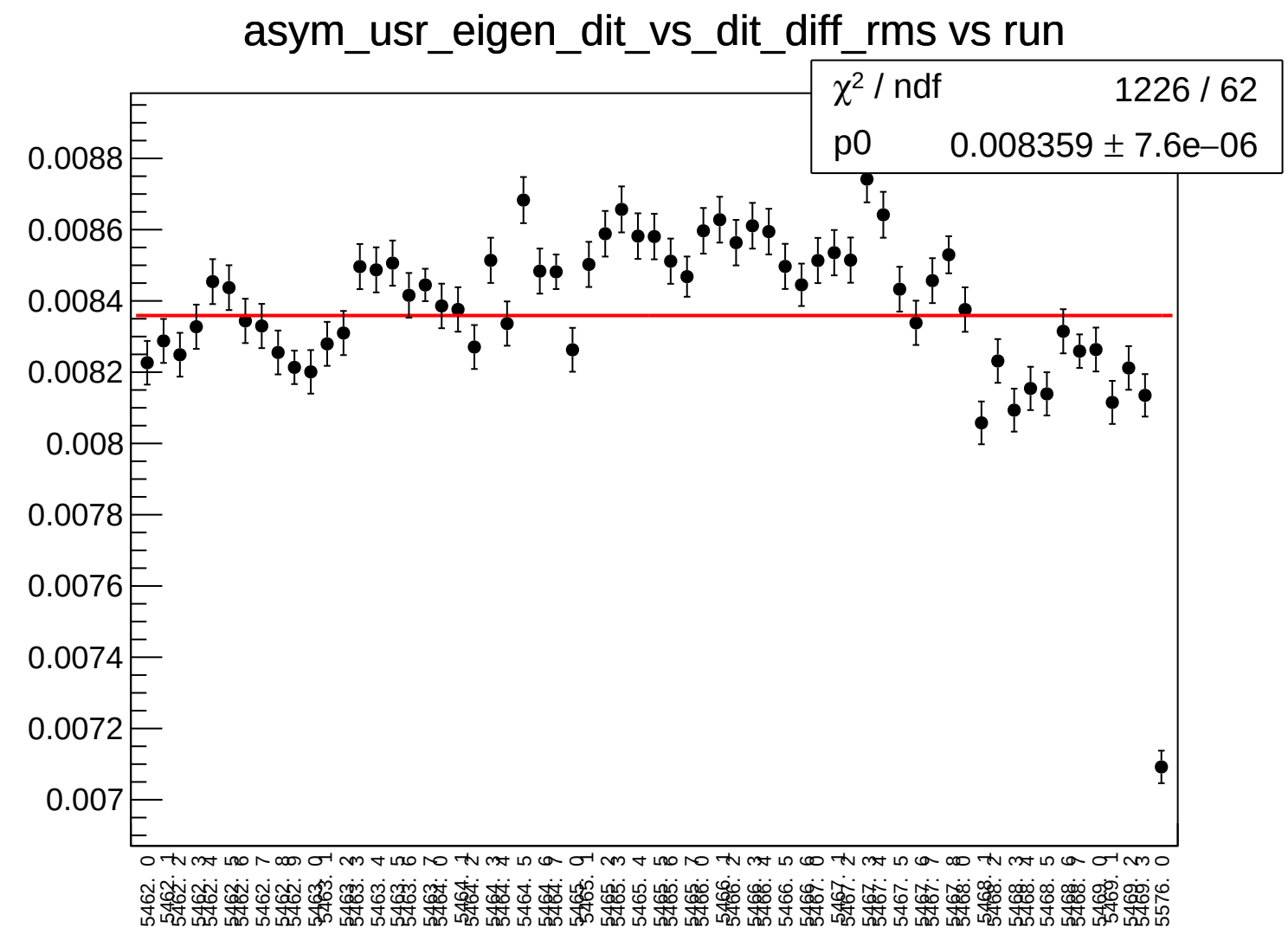

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.341e+04 / 62
p0 88.85 ± 0.08295
250
200
150
100
50
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

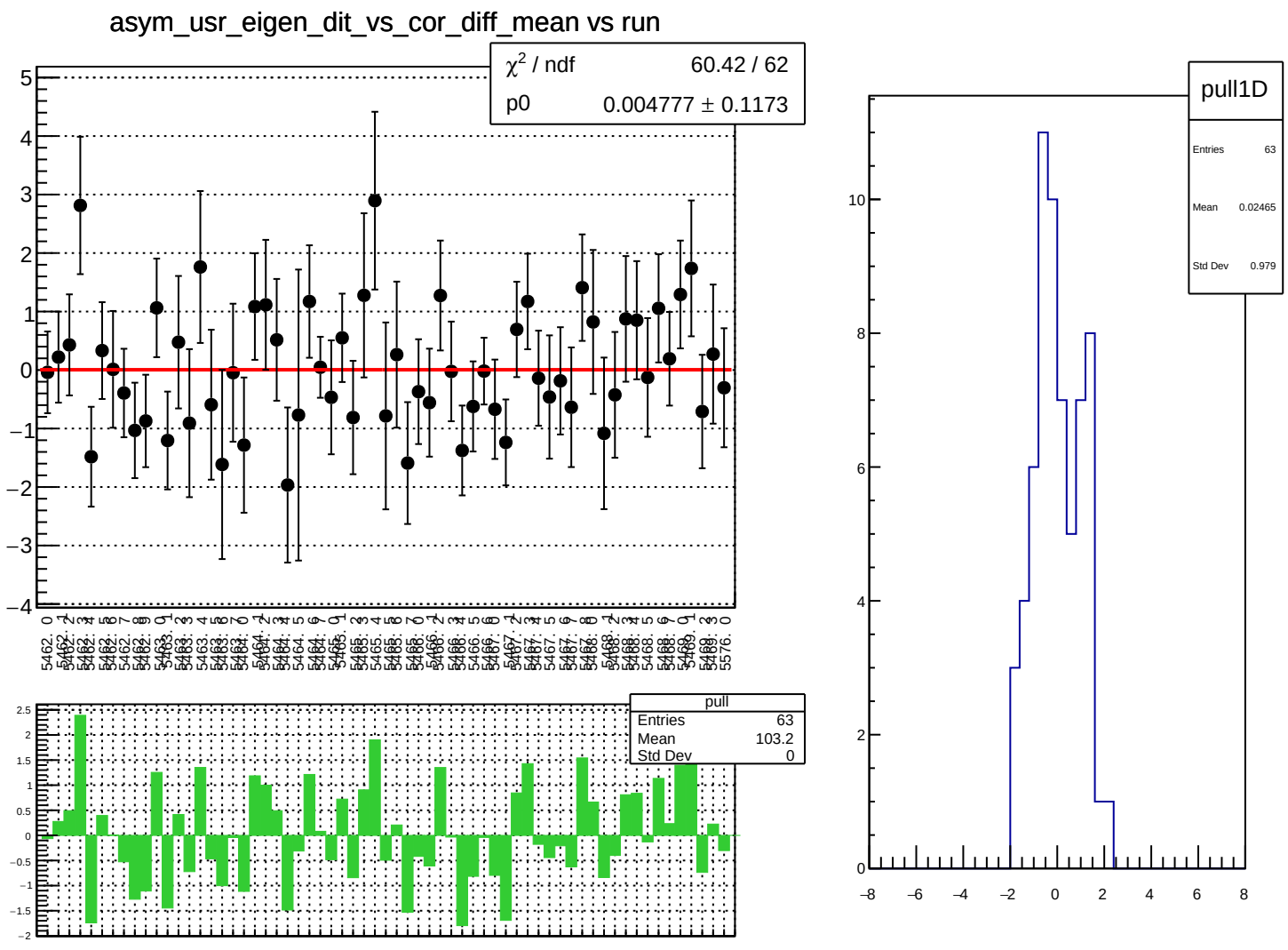

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.71 / 62
p0 −0.07193 ± 0.1332
pull
Entries 63
Mean −268.9
Std Dev 0
pull1D
Entries 63
Mean −0.006269
Std Dev 0.9897

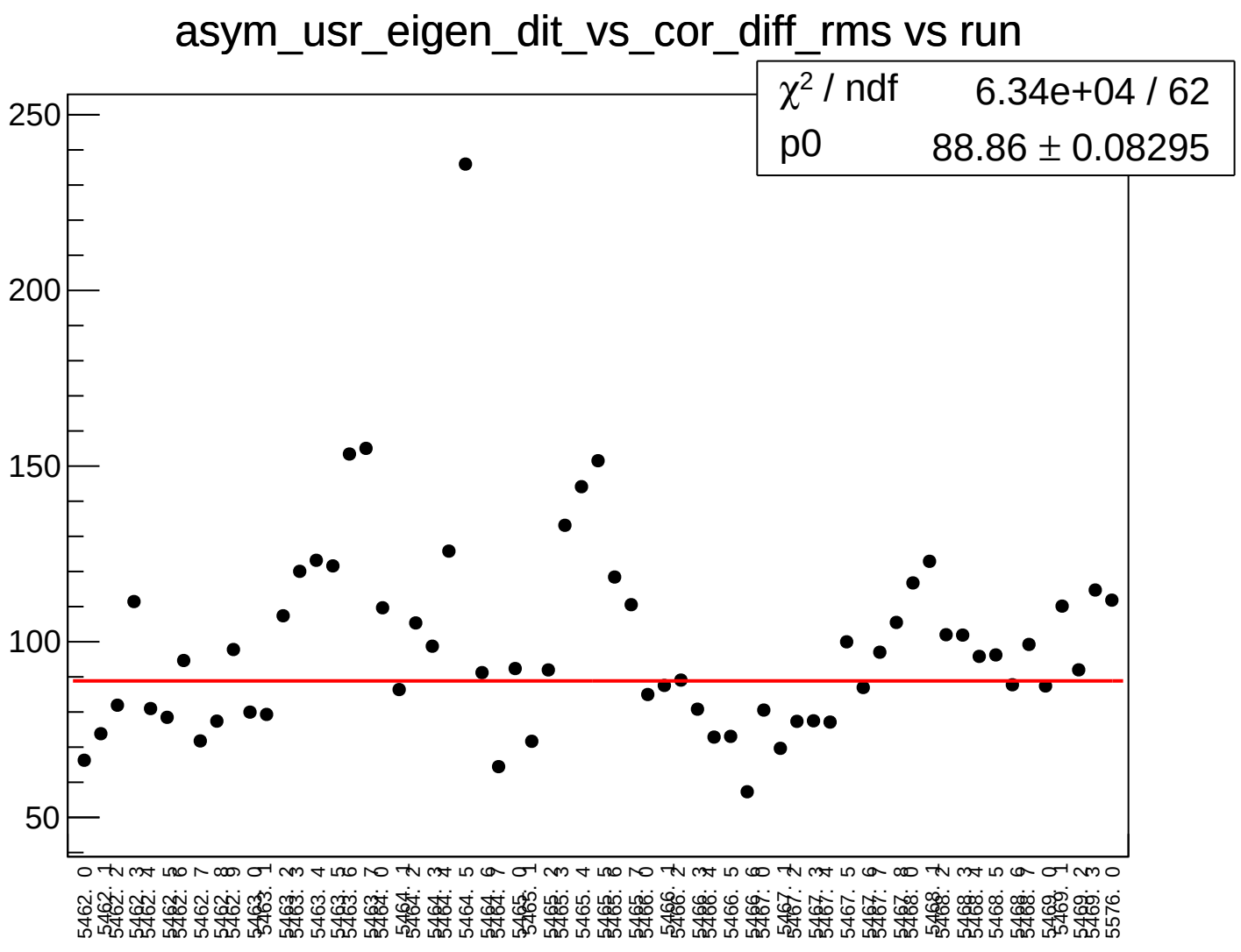

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.038e+04 / 62
p0 101.5 ± 0.09422
250
200
150
100
50

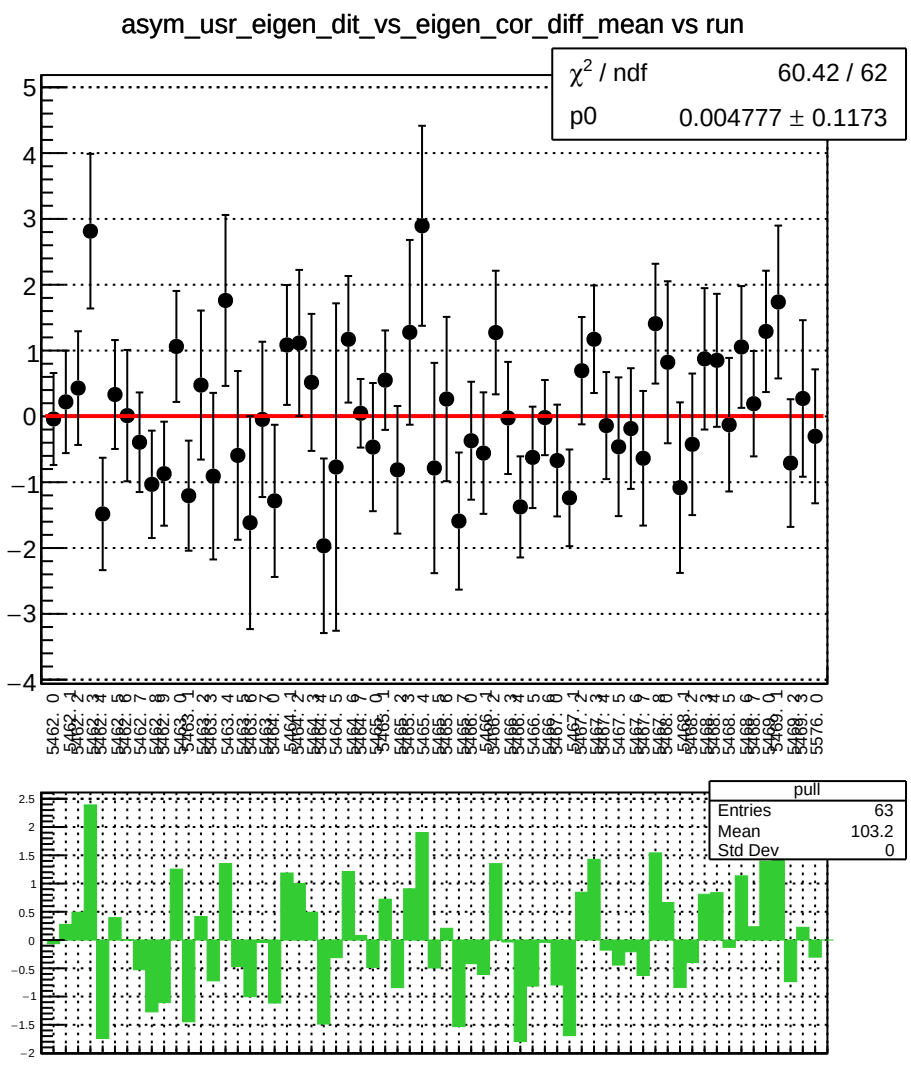

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.34 / 62
p0 −6.069e−06 ± 1.075e−05
pull
Entries 63
Mean 41.87
Std Dev 0

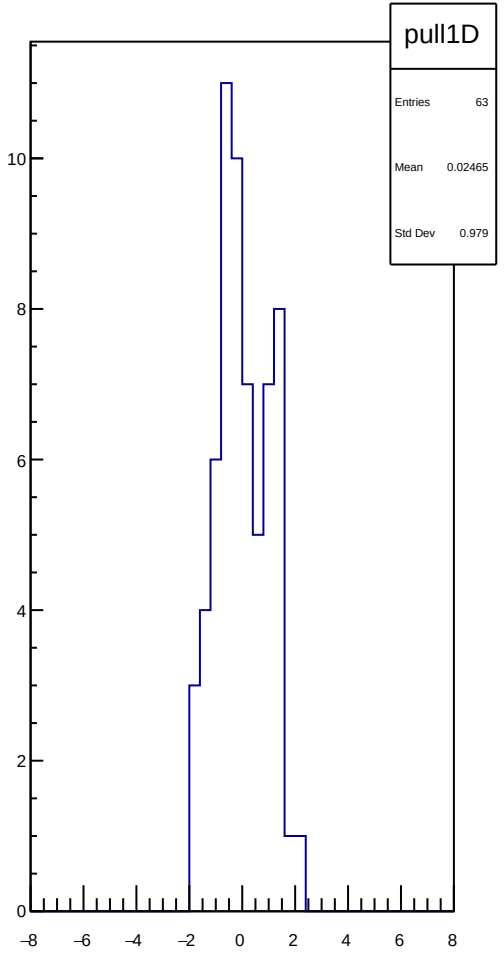

pull1D
Entries 63
Mean −0.01254
Std Dev 1.093

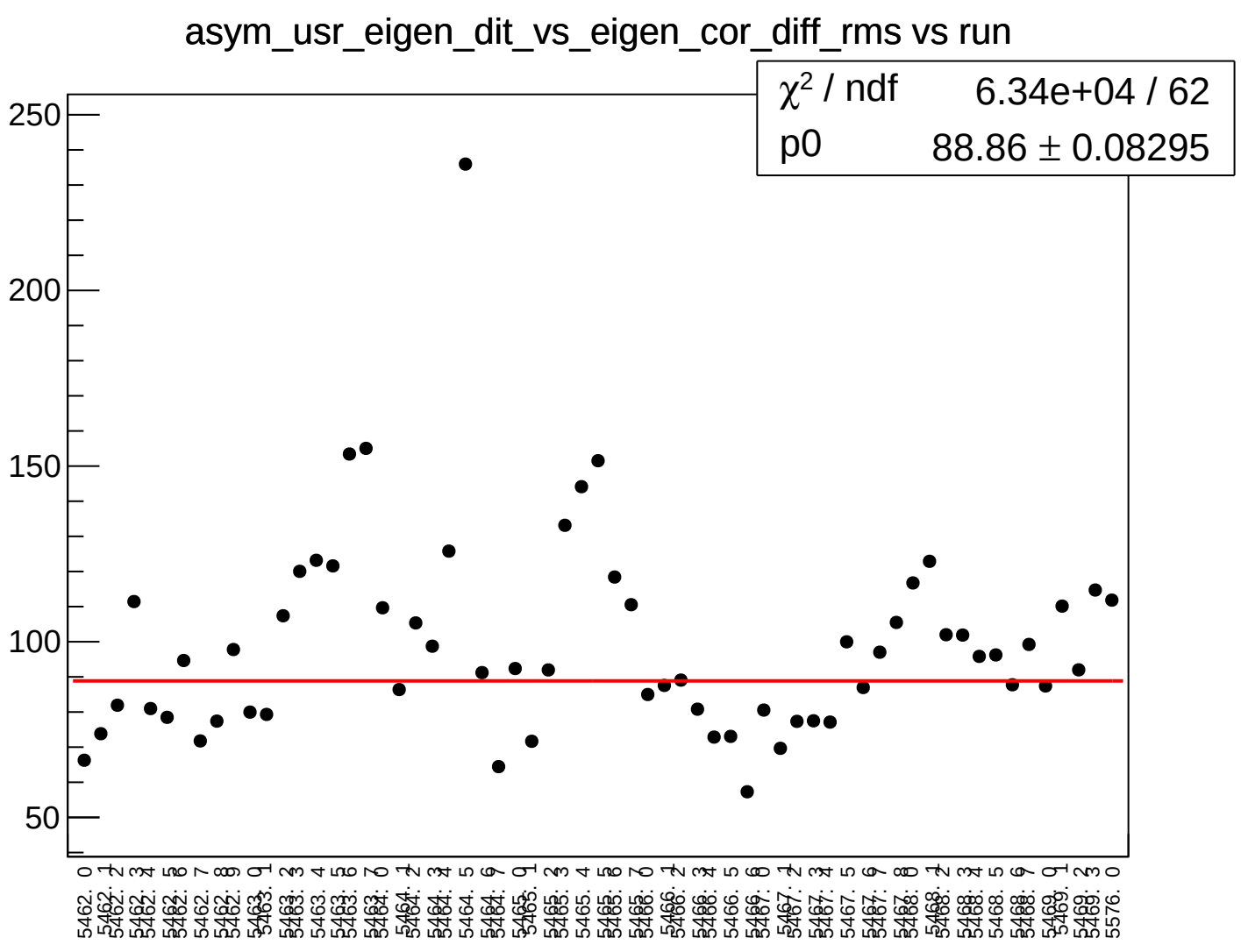

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1226 / 62
p0 0.008359 ± 7.6e−06
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007

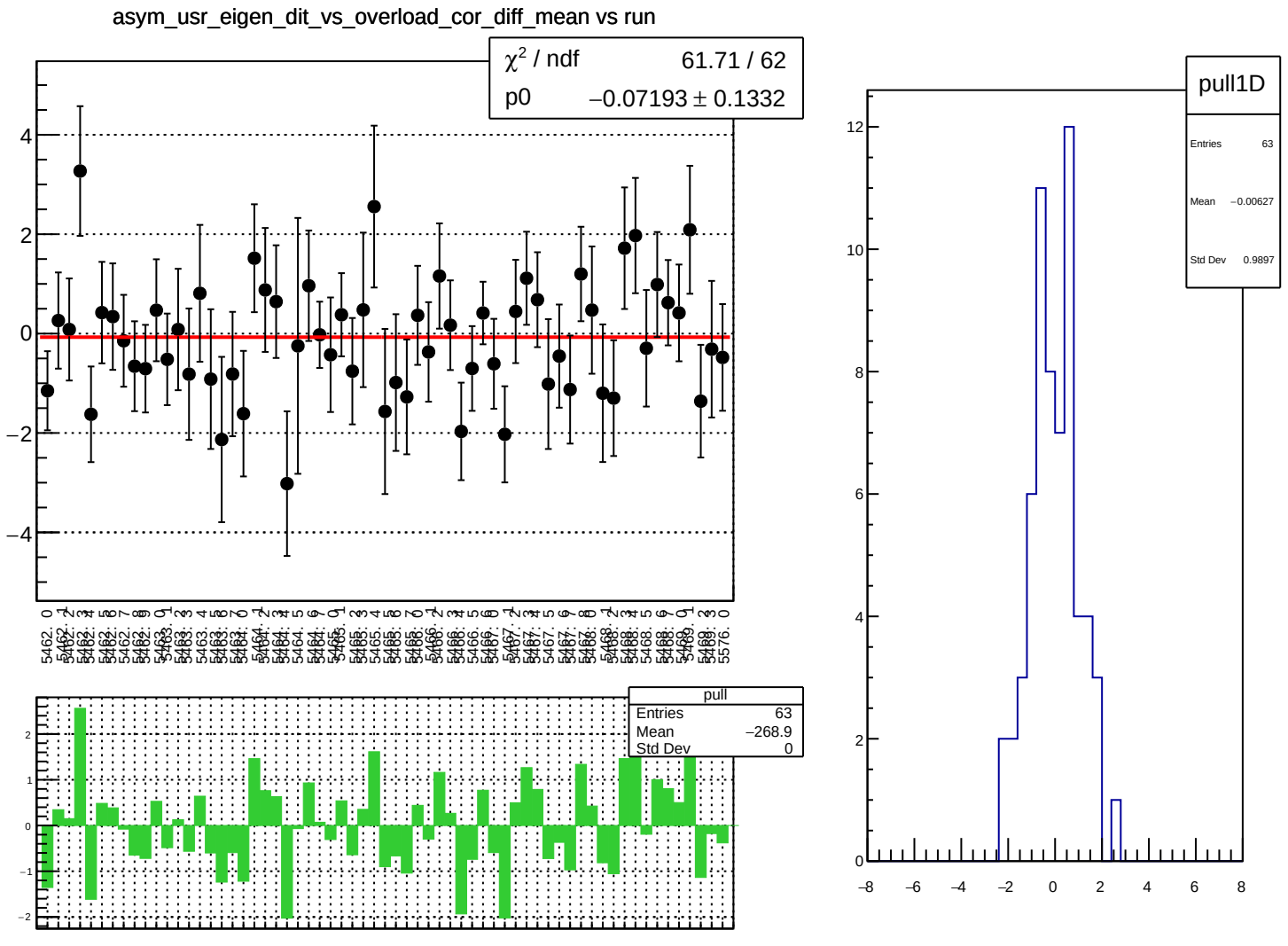

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.42 / 62
p0 0.004777 ± 0.1173
pull
Entries 63
Mean 103.2
Std Dev 0
pull1D
Entries 63
Mean 0.02465
Std Dev 0.979

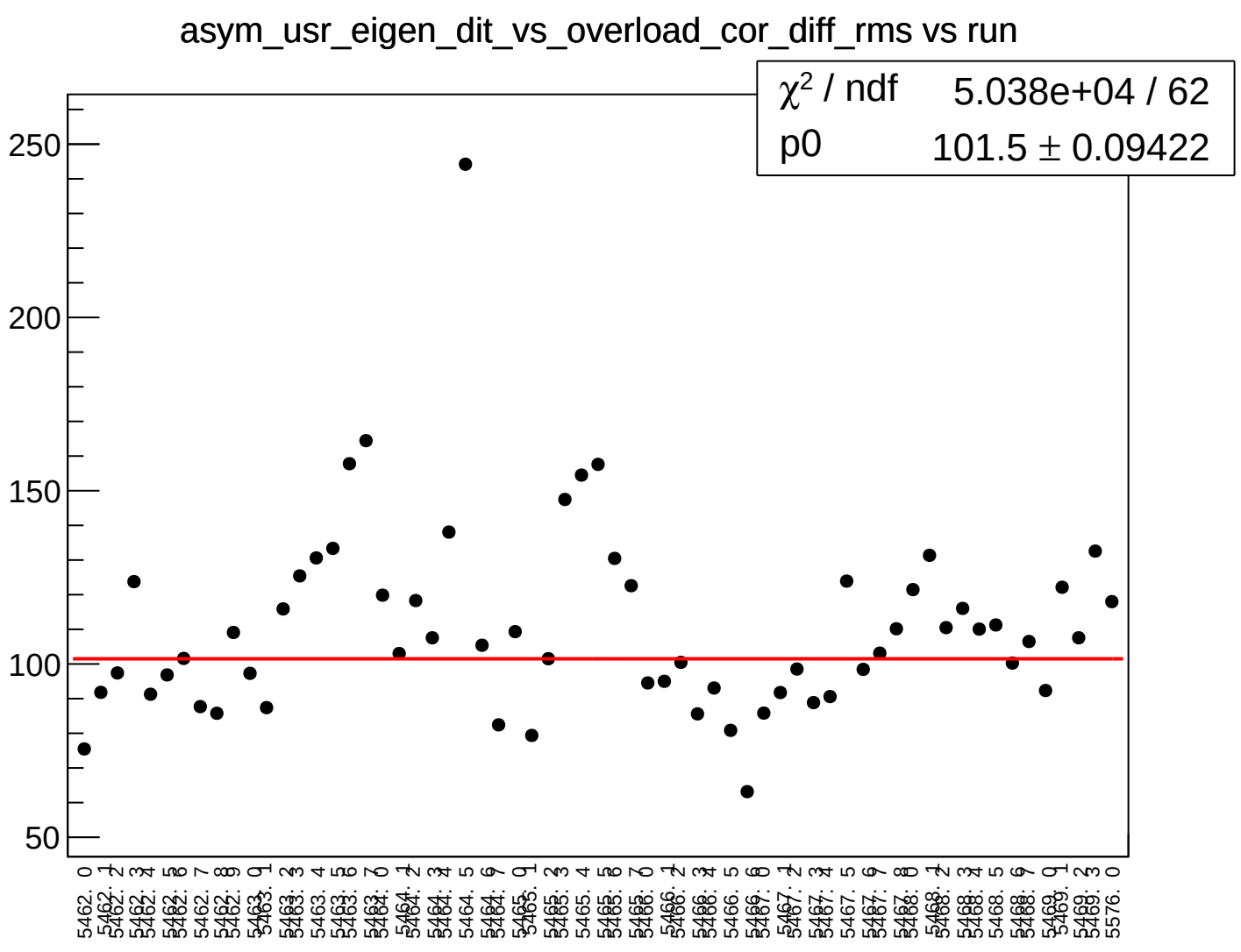

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.34e+04 / 62
p0 88.86 ± 0.08295
250
200
150
100
50

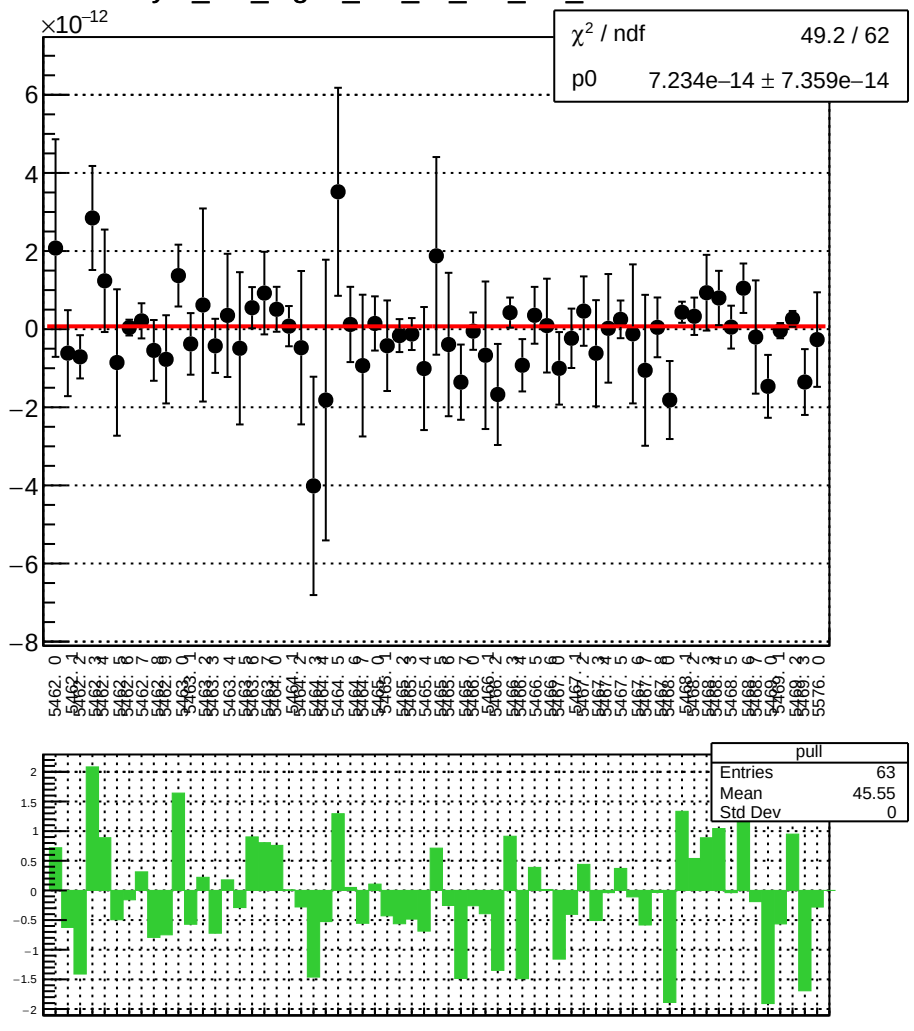

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.42 / 62
p0 0.004777 ± 0.1173
pull
Entries 63
Mean 103.2
Std Dev 0

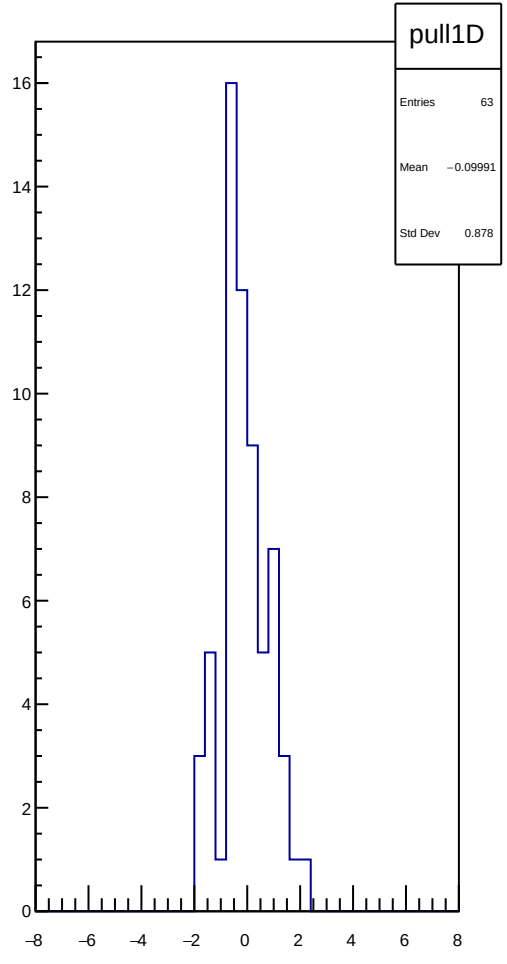

pull1D
Entries 63
Mean 0.02465
Std Dev 0.979

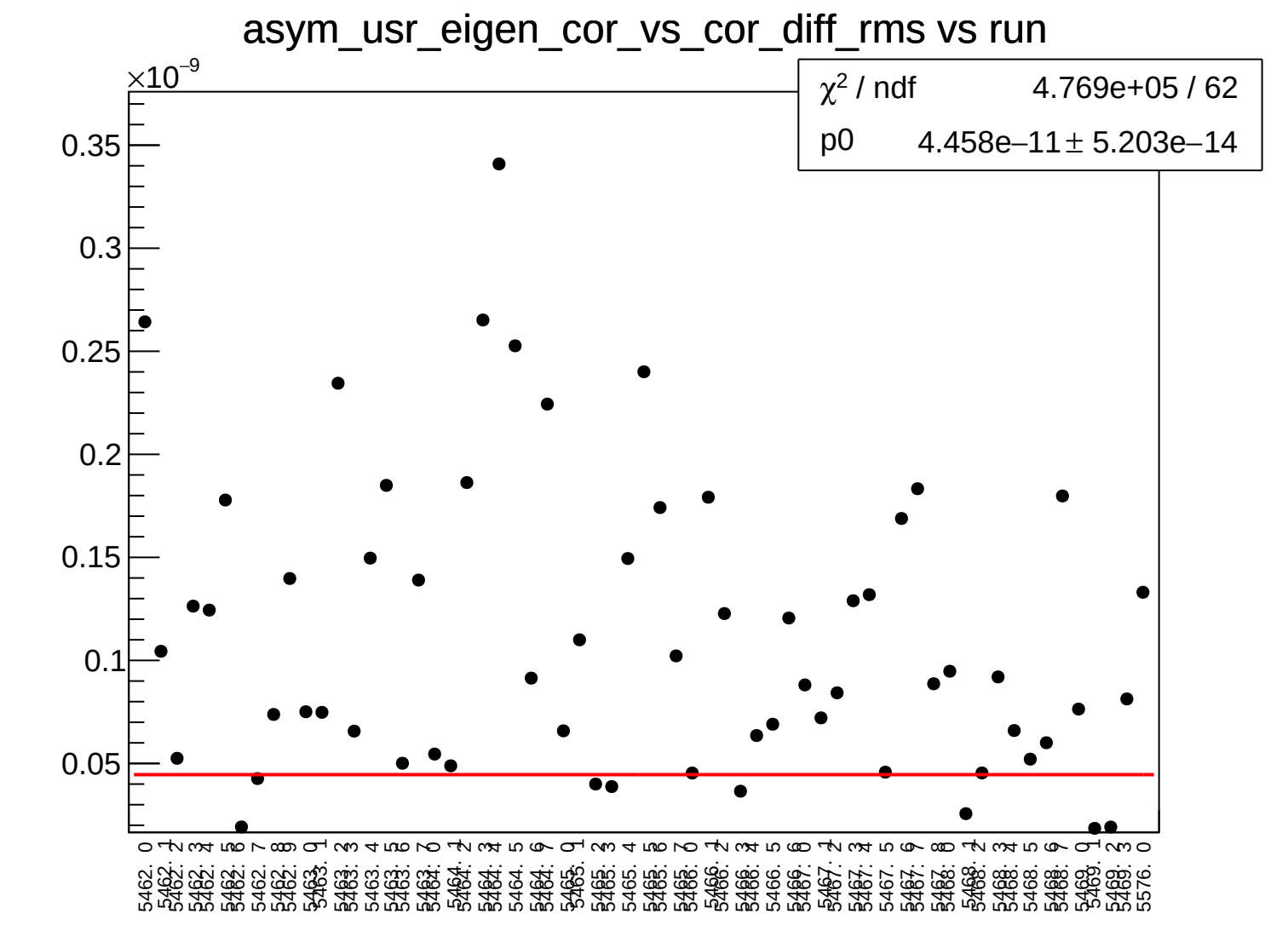

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.34e+04 / 62
p0 88.86 ± 0.08295
250
200
150
100
50
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

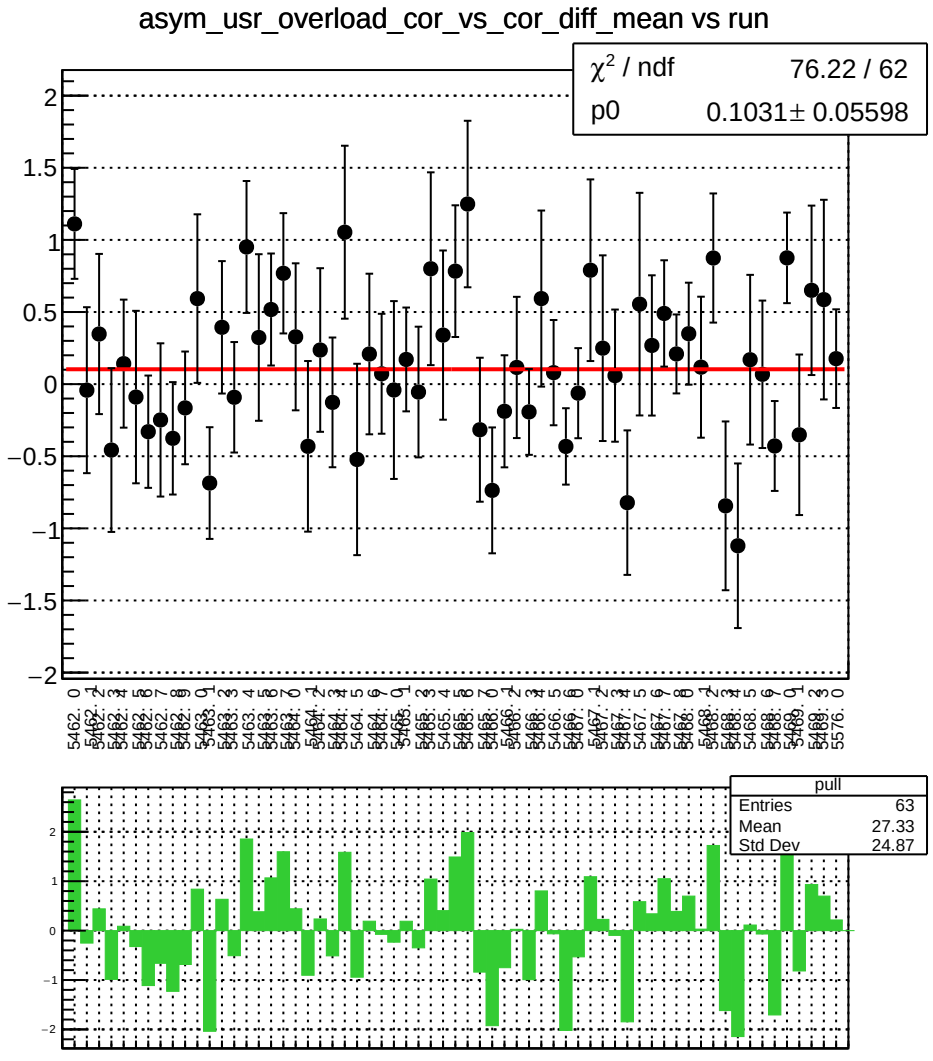

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.71 / 62
p0 −0.07193 ± 0.1332
pull
Entries 63
Mean −268.9
Std Dev 0
pull1D
Entries 63
Mean −0.00627
Std Dev 0.9897

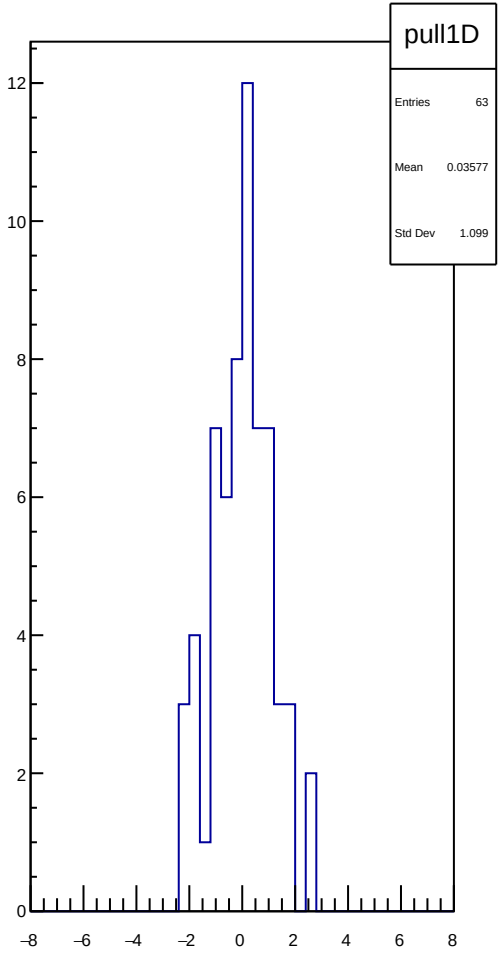

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.038e+04 / 62
p0 101.5 ± 0.09422
250
200
150
100
50

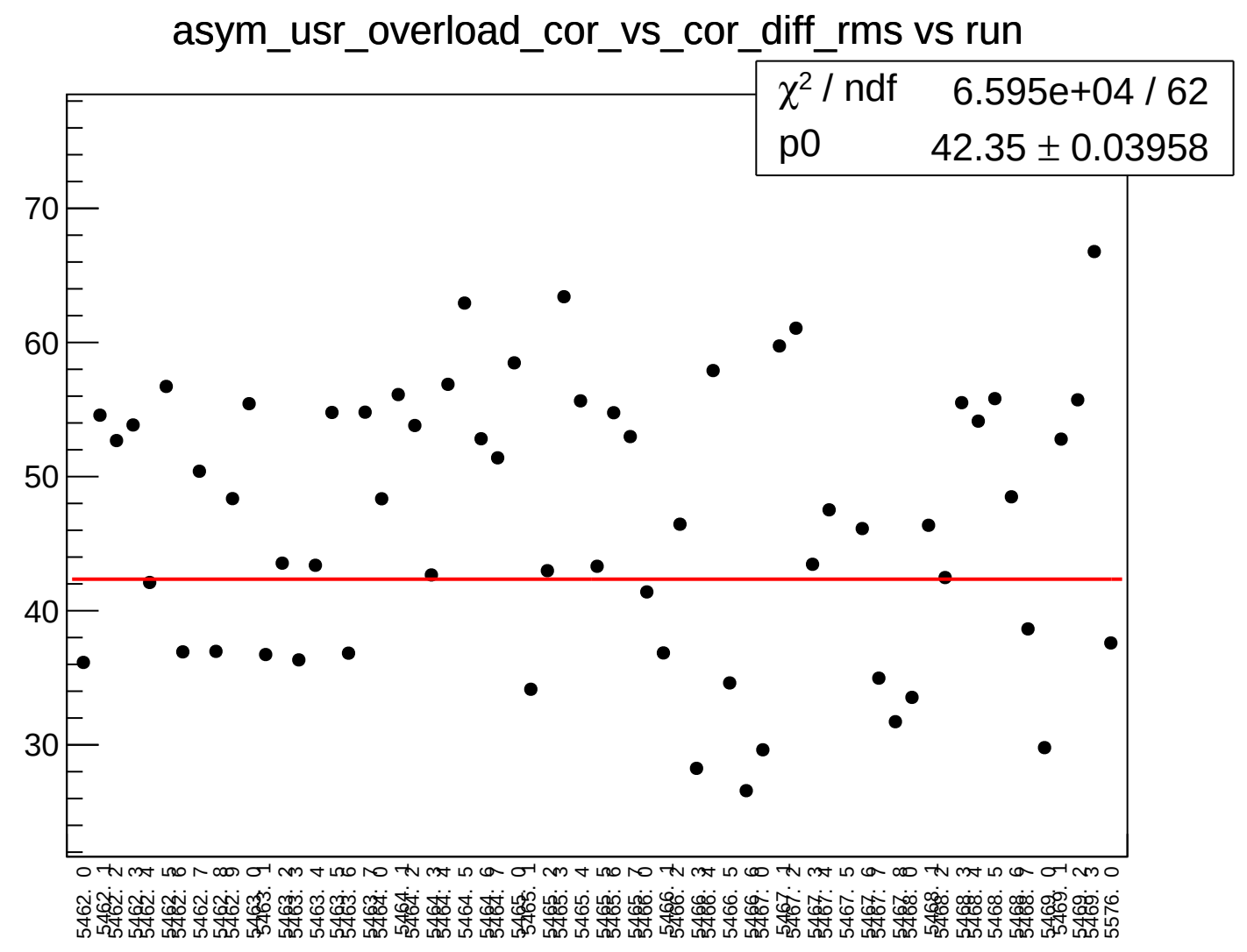

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.2 / 62
p0 7.234e−14 ± 7.359e−14
pull
Entries 63
Mean 45.55
Std Dev 0

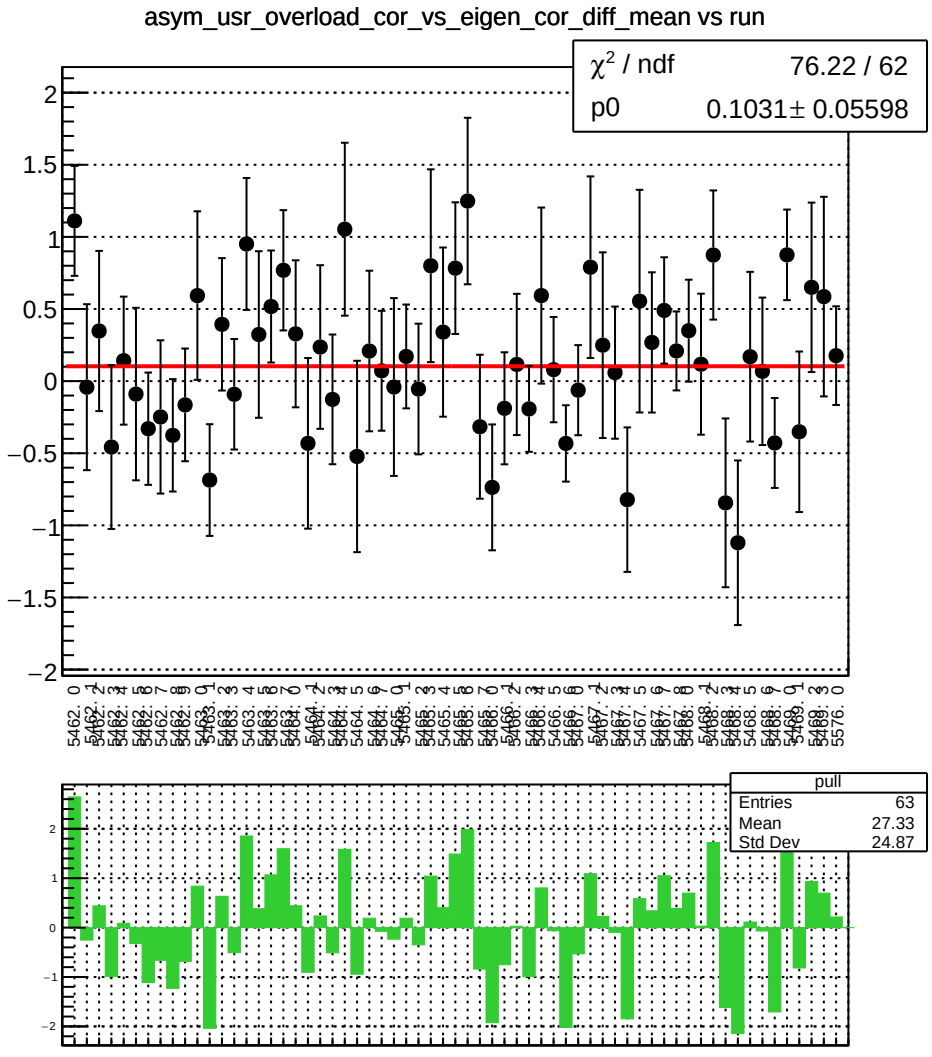

pull1D
Entries 63
Mean −0.09991
Std Dev 0.878

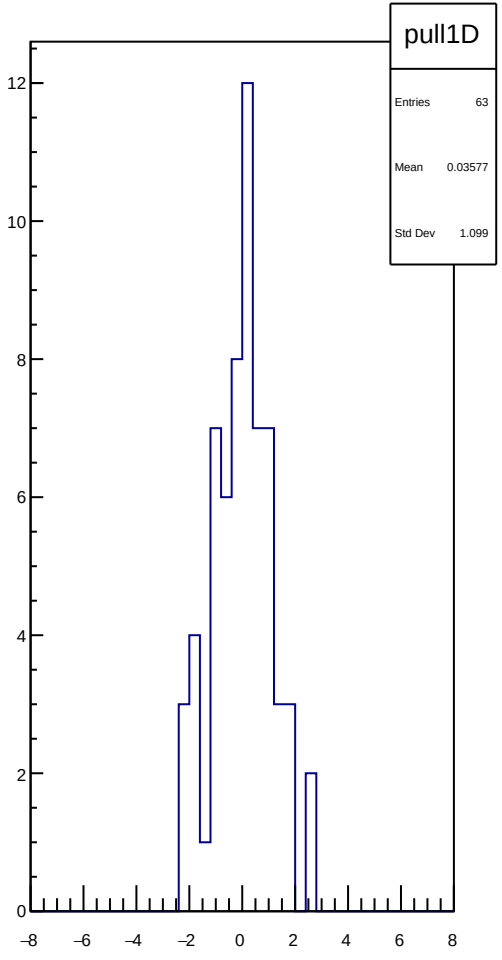

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.769e+05 / 62
p0 4.458e−11 ± 5.203e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

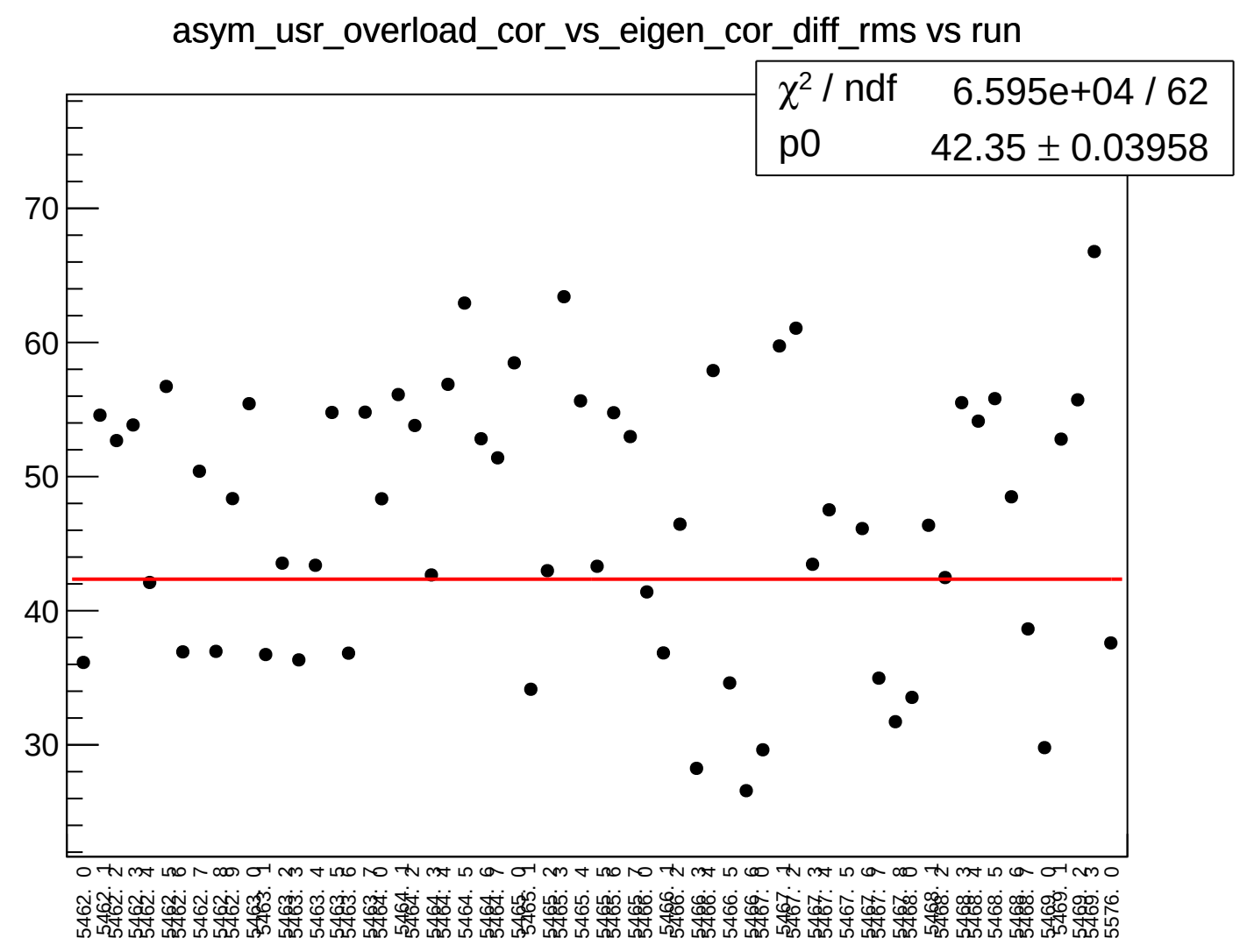

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 76.22 / 62
p0 0.1031± 0.05598
pull
Entries 63
Mean 27.33
Std Dev 24.87

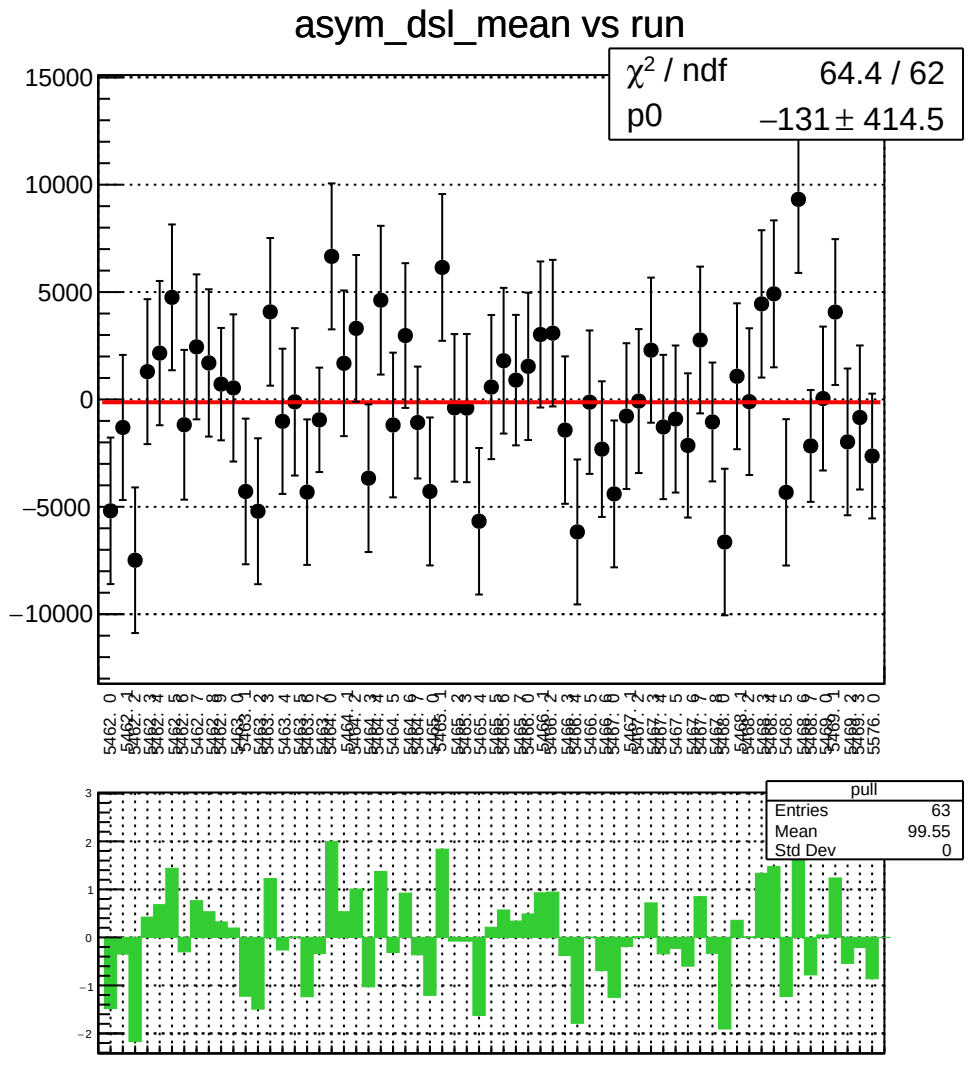

pull1D
Entries 63
Mean 0.03577
Std Dev 1.099

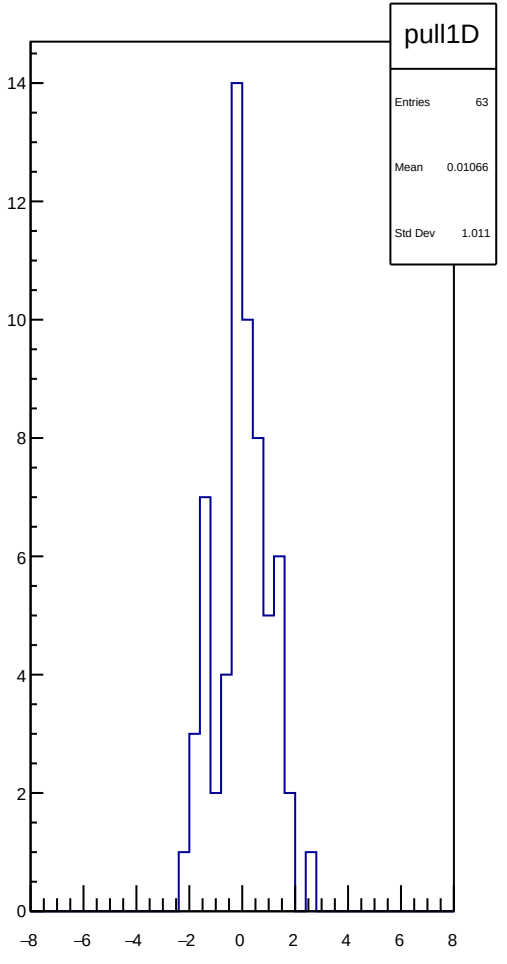

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.595e+04 / 62
p0 42.35 ± 0.03958
70
60
50
40
30

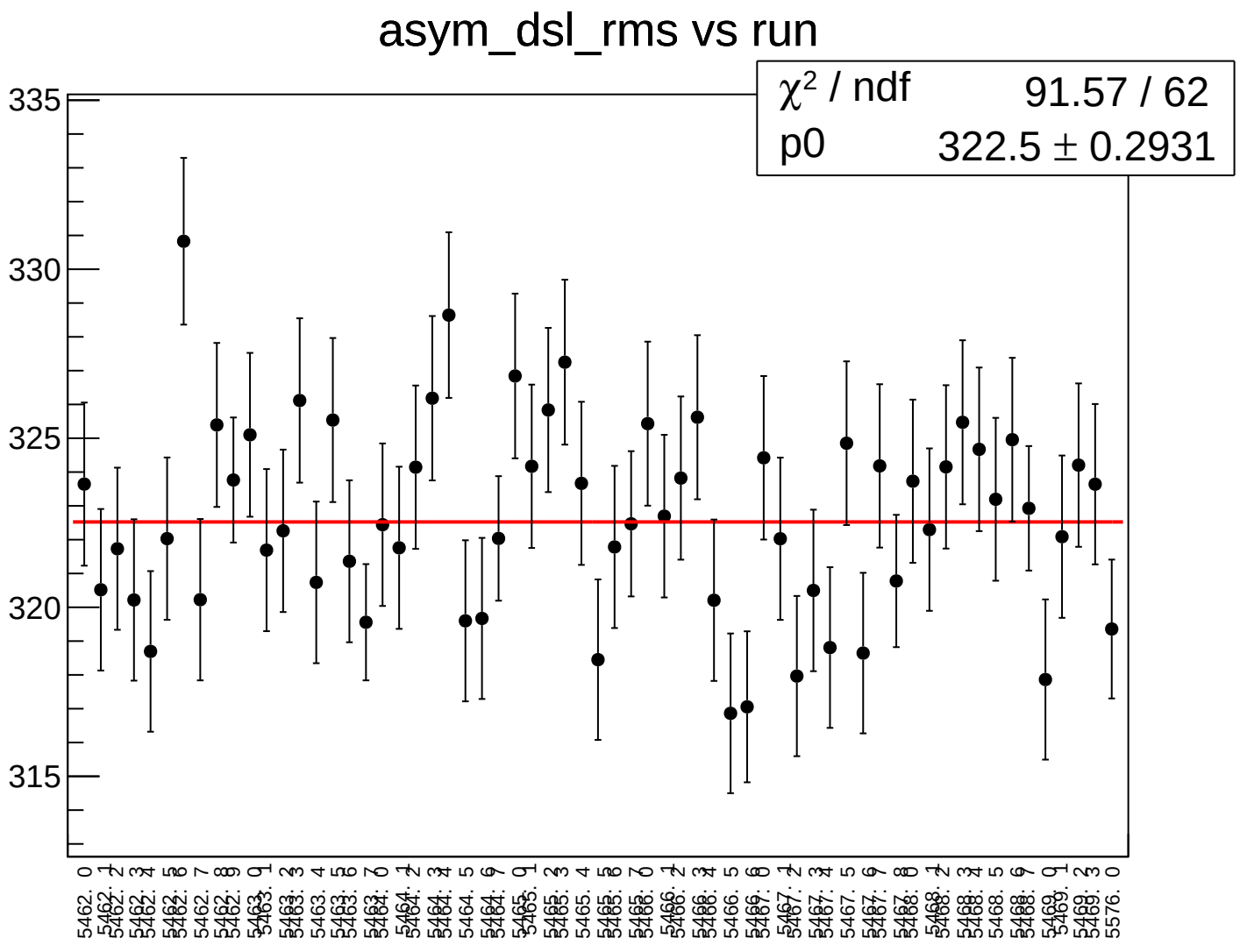

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.22 / 62
p0 0.1031± 0.05598
pull
Entries 63
Mean 27.33
Std Dev 24.87

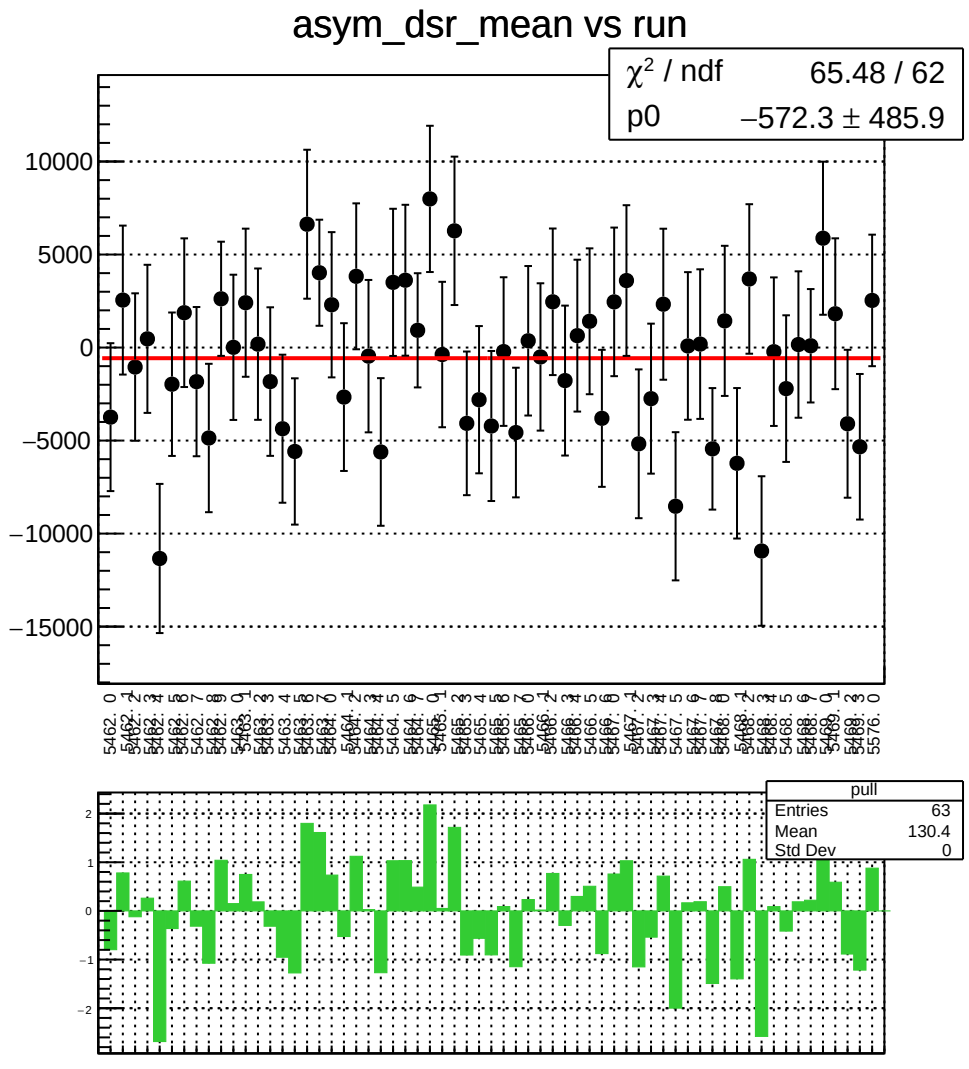

pull1D
Entries 63
Mean 0.03577
Std Dev 1.099

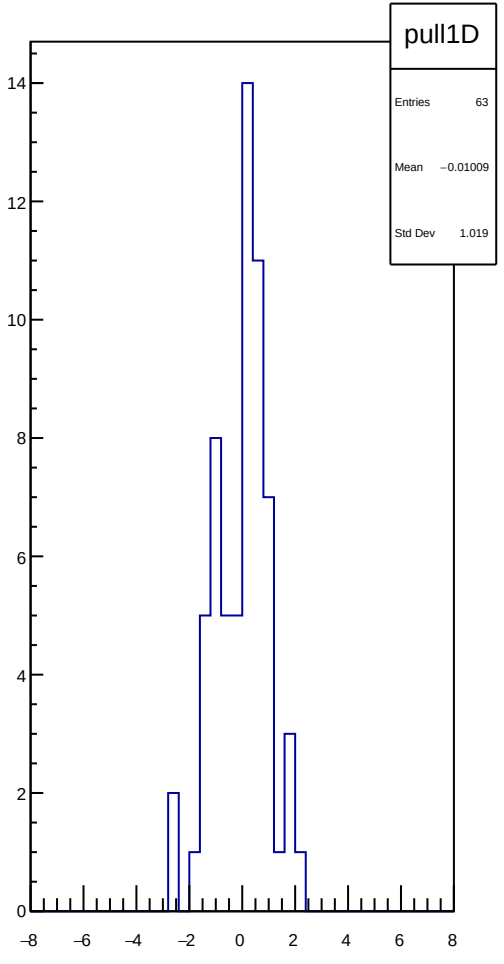

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.595e+04 / 62
p0 42.35 ± 0.03958
70
60
50
40
30

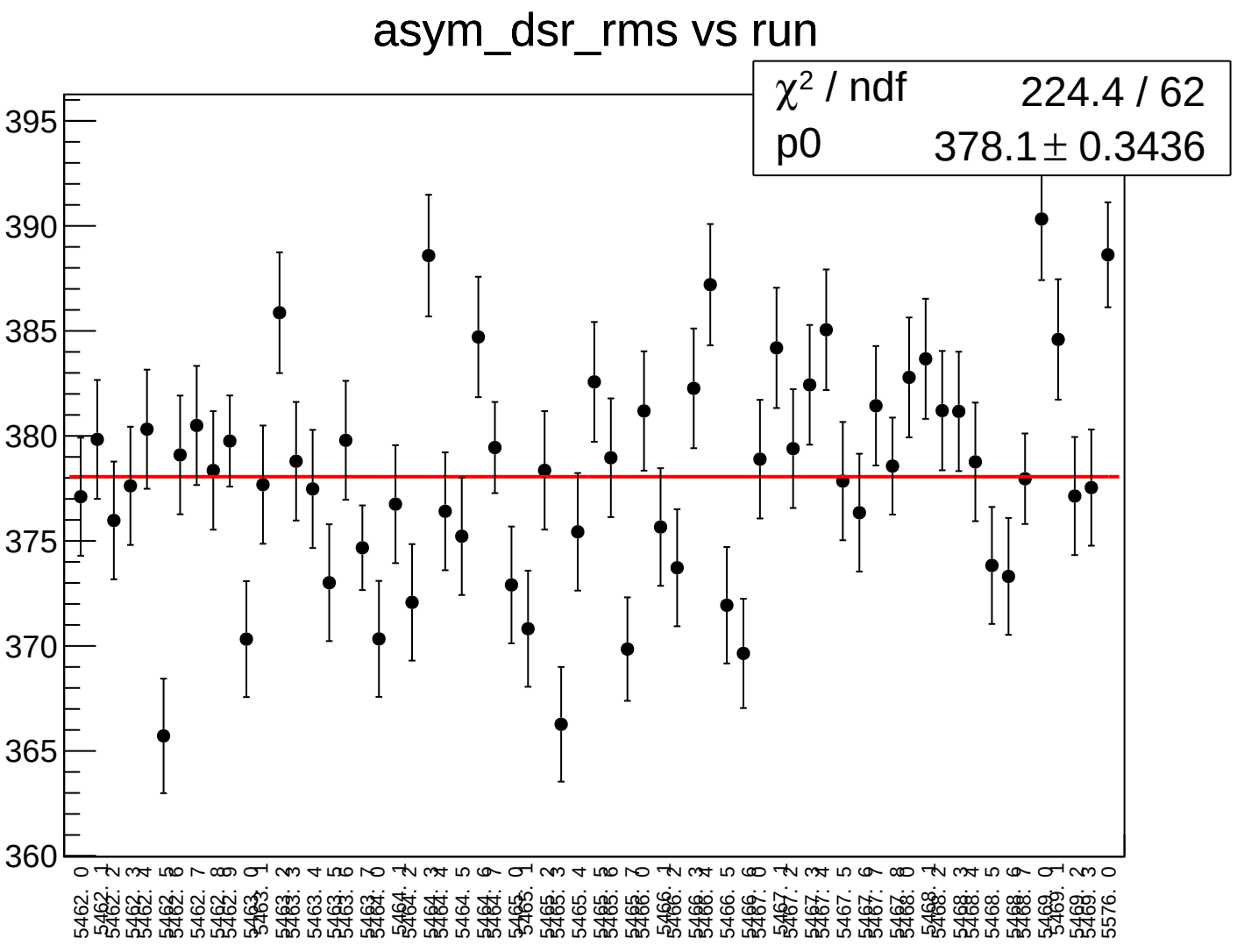

asym_dsl_mean vs run
χ² / ndf 64.4 / 62
p0 −131 ± 414.5
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 99.55
Std Dev 0
3
2
1
0
−1
−2

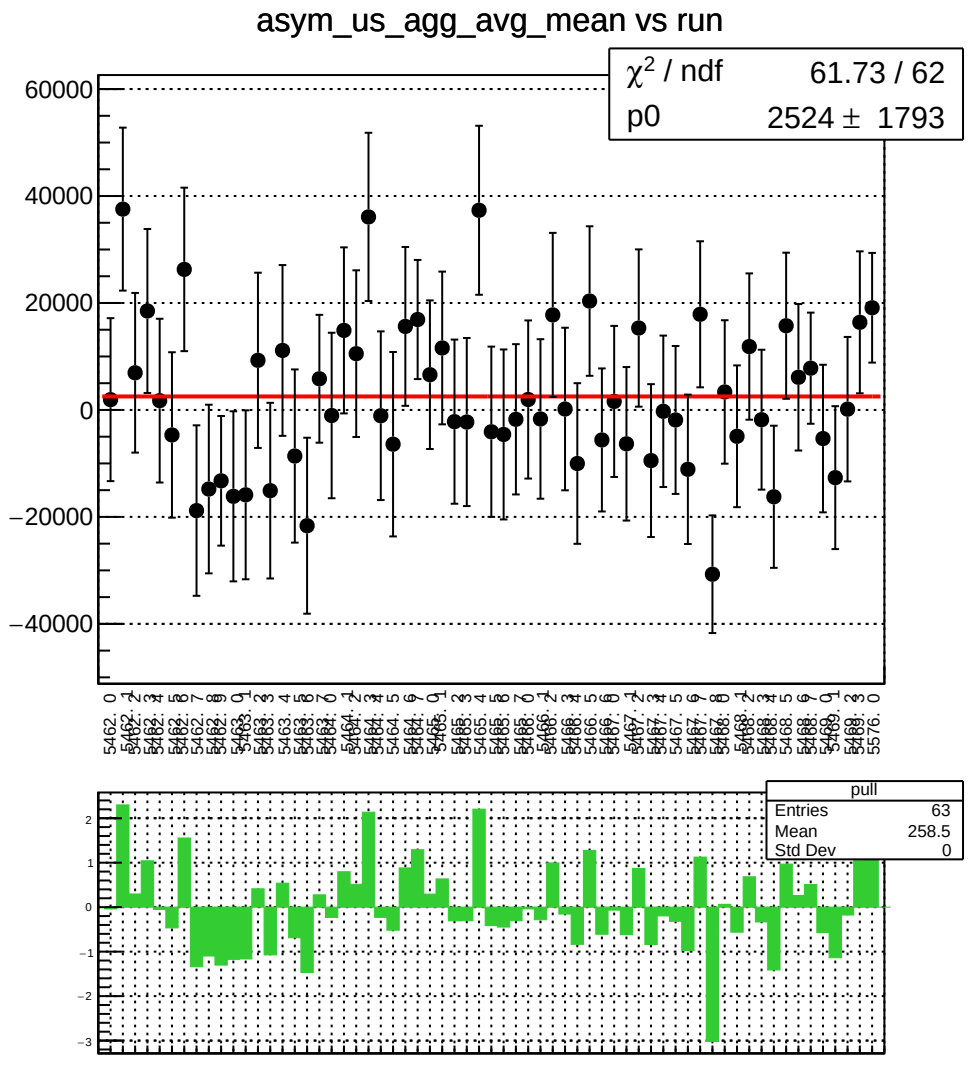

pull1D
Entries 63
Mean 0.01066
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

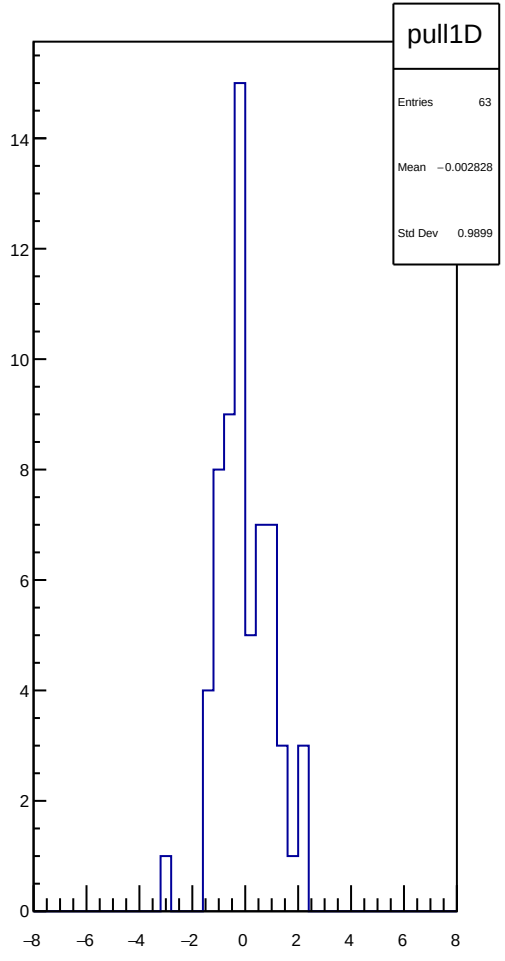

asym_dsl_rms vs run
χ² / ndf 91.57 / 62
p0 322.5 ± 0.2931
335
330
325
320
315

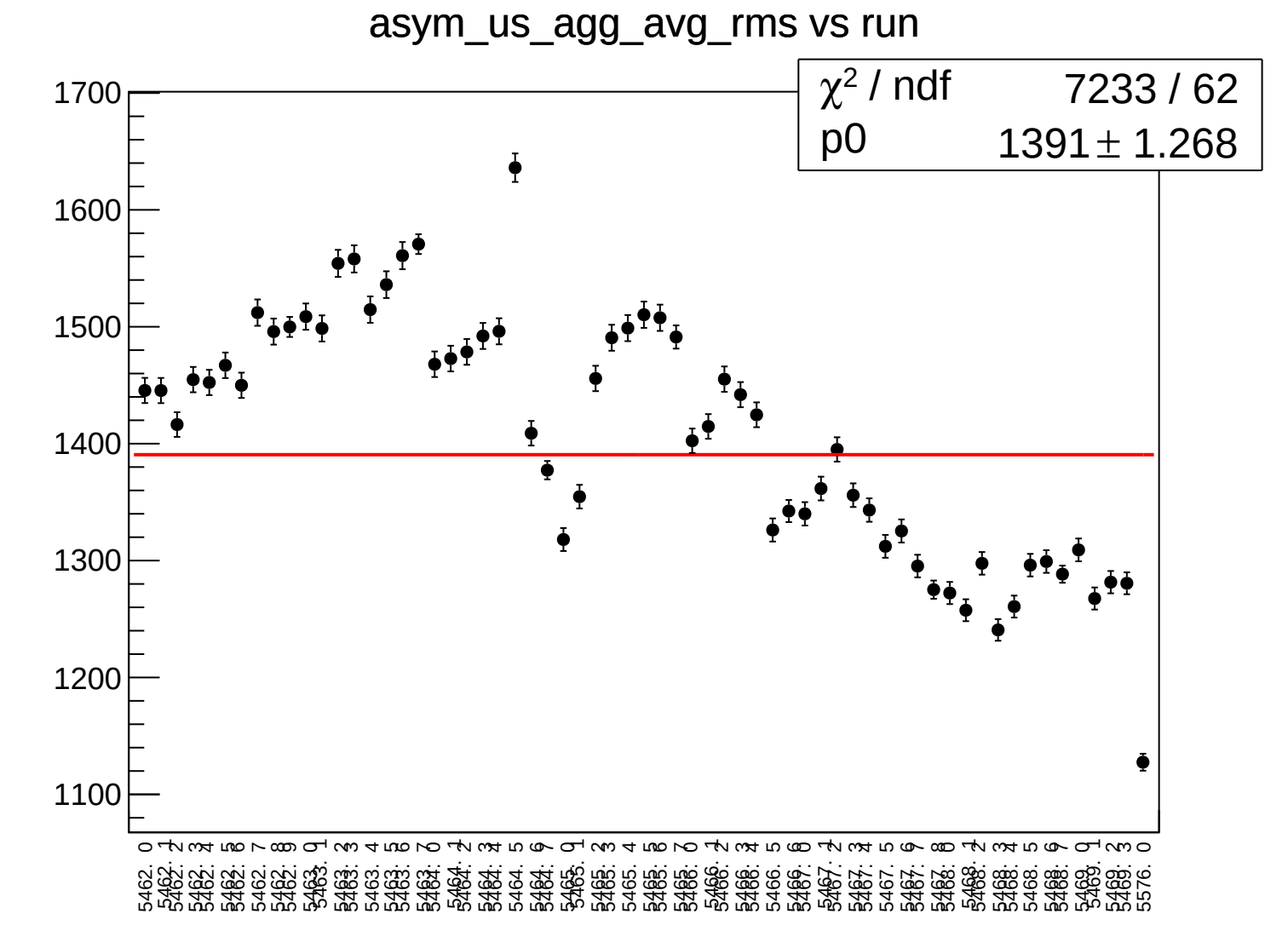

asym_dsr_mean vs run
χ² / ndf 65.48 / 62
p0 −572.3 ± 485.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 130.4
Std Dev 0
2
1
0
−1
−2

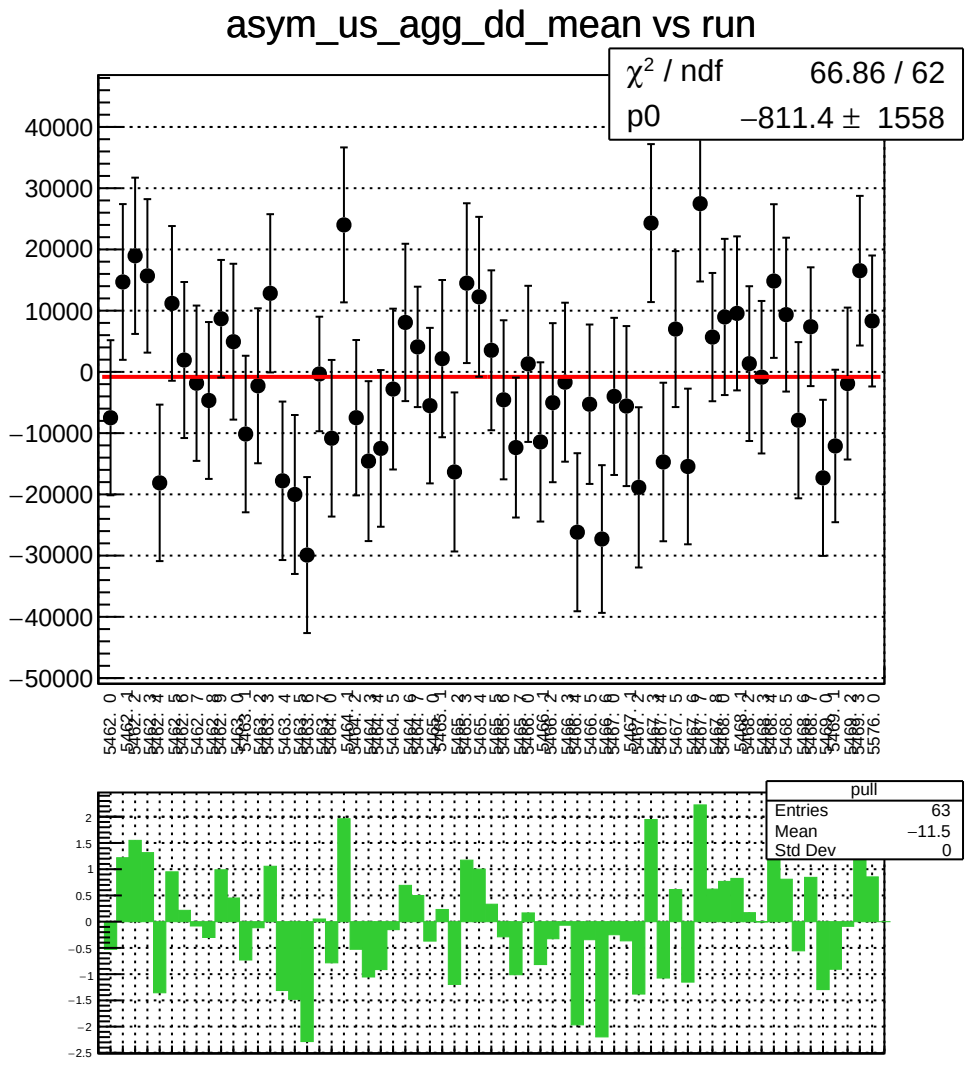

pull1D
Entries 63
Mean −0.01009
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

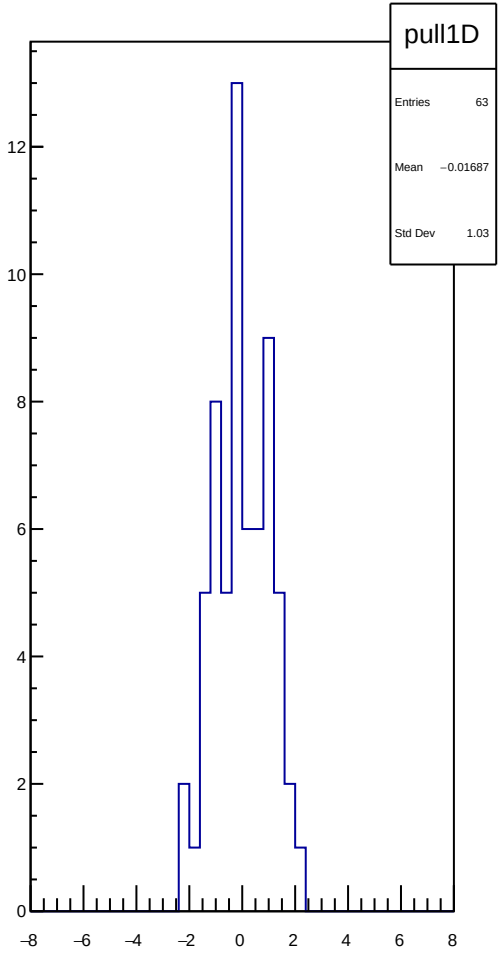

asym_dsr_rms vs run
χ² / ndf 224.4 / 62
p0 378.1 ± 0.3436
395
390
385
380
375
370
365
360

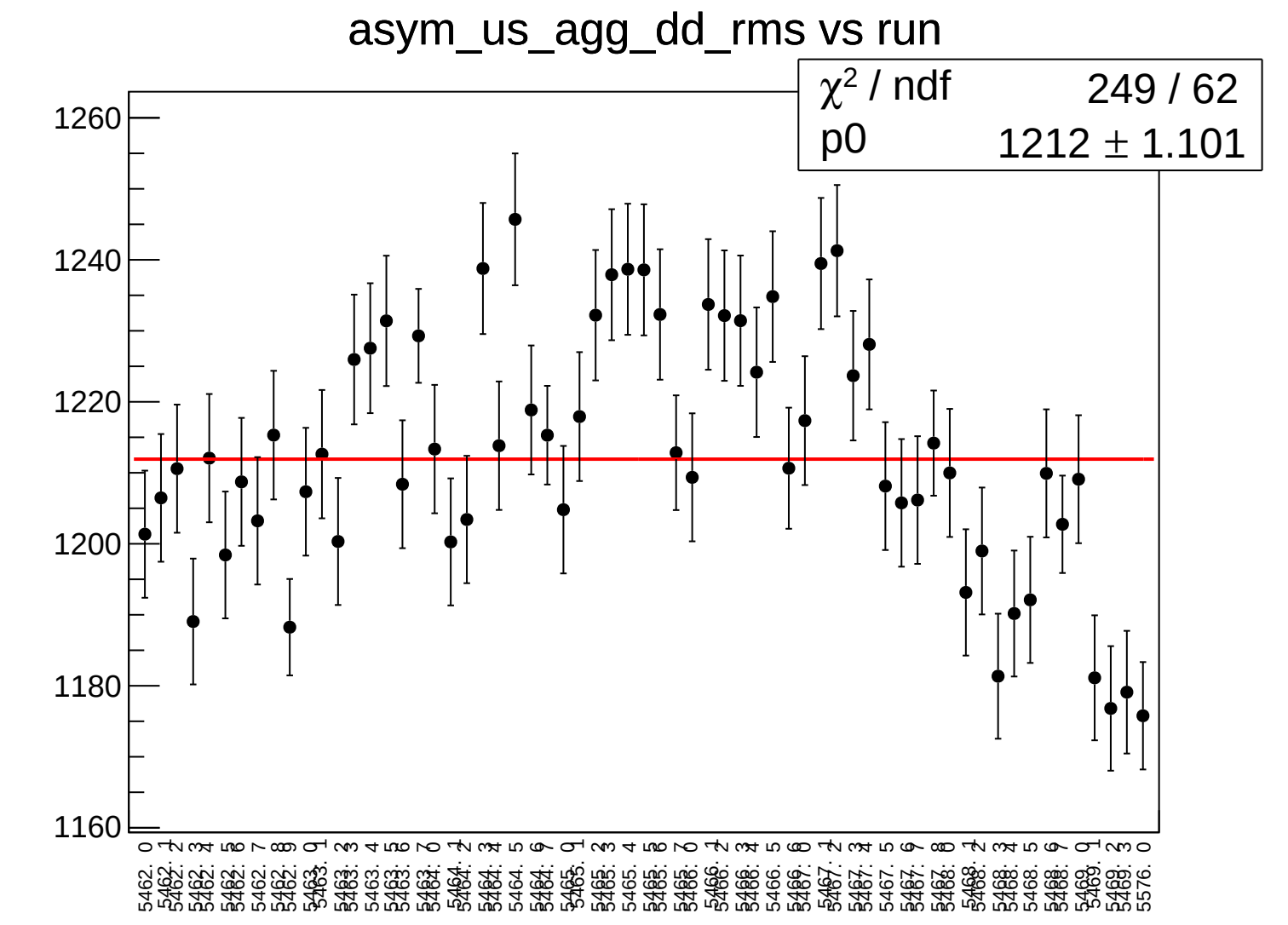

asym_us_agg_avg_mean vs run
χ² / ndf 61.73 / 62
p0 2524 ± 1793
60000
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 258.5
Std Dev 0
2
1
0
−1
−2
−3

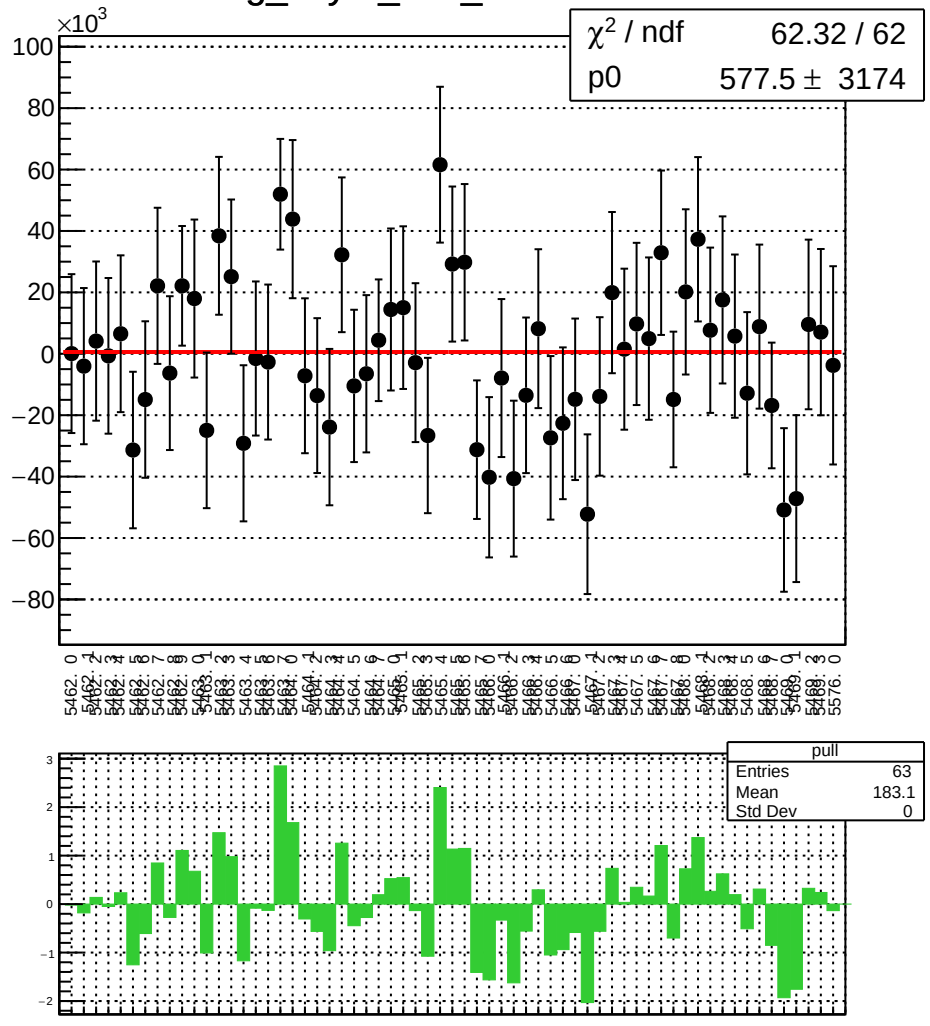

pull1D
Entries 63
Mean −0.002828
Std Dev 0.9899
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

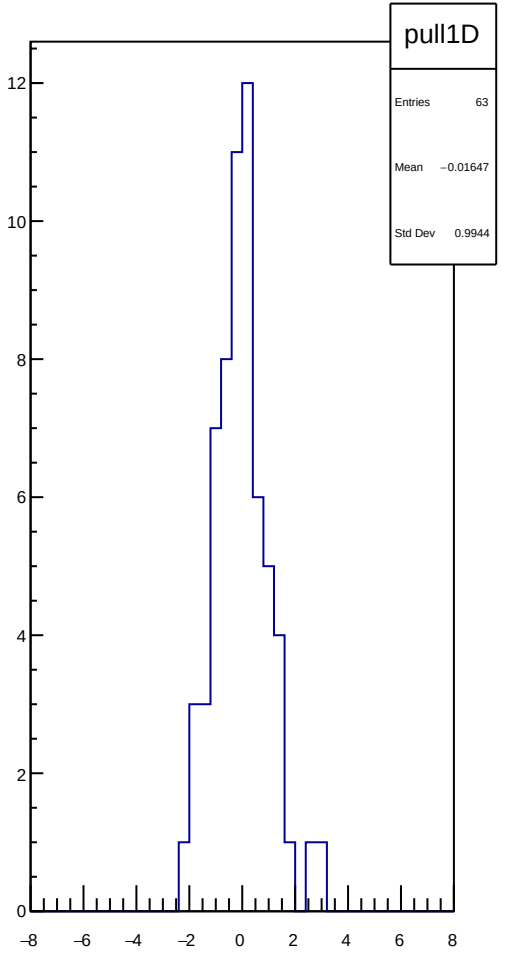

asym_us_agg_avg_rms vs run
χ² / ndf 7233 / 62
p0 1391 ± 1.268
1700
1600
1500
1400
1300
1200
1100

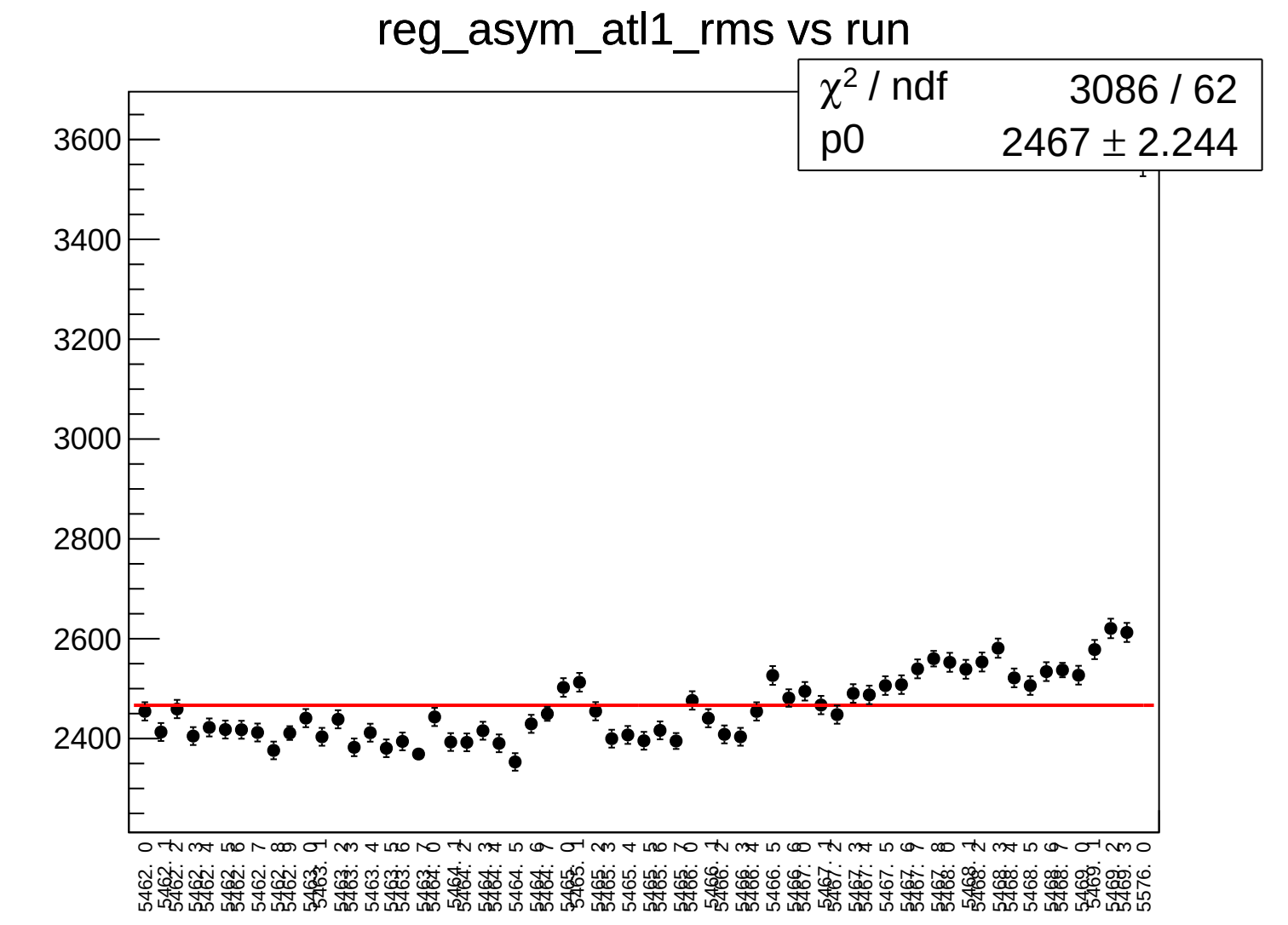

asym_us_agg_dd_mean vs run
χ² / ndf 66.86 / 62
p0 −811.4 ± 1558
pull
Entries 63
Mean −11.5
Std Dev 0

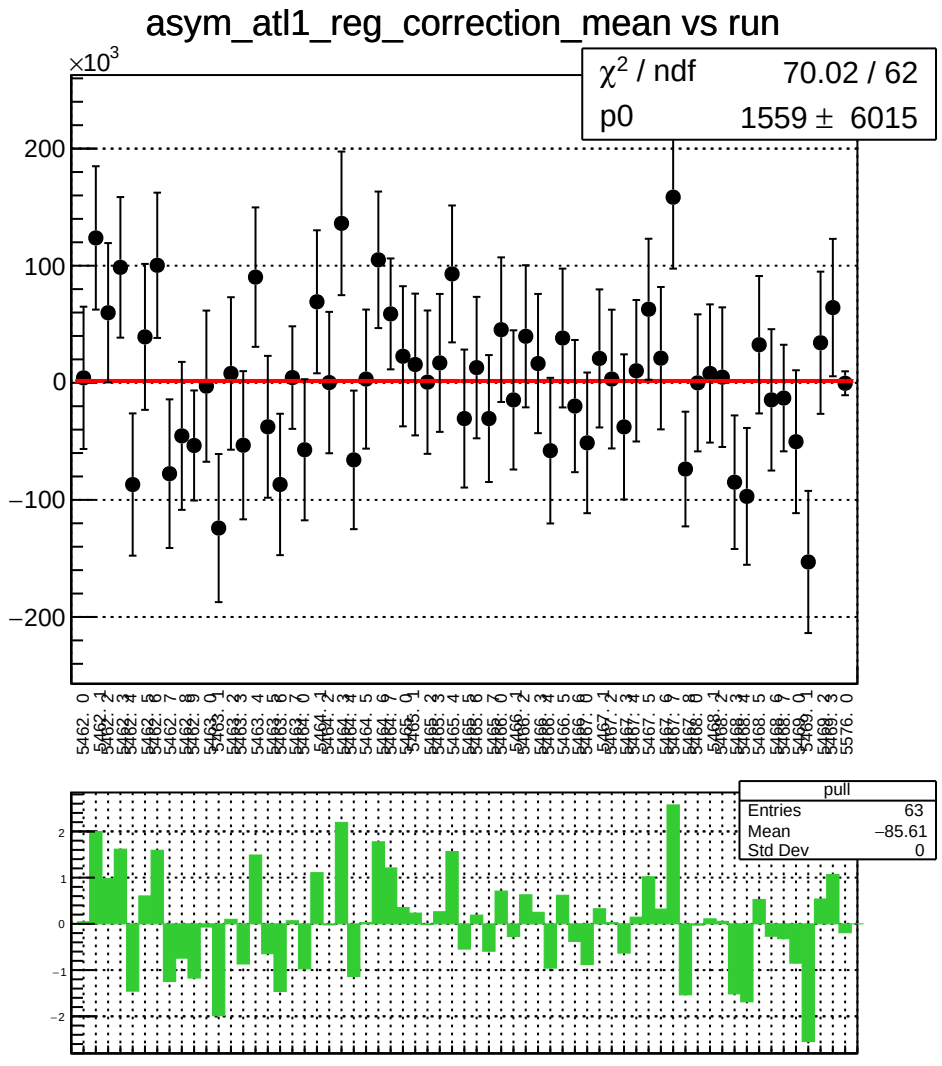

pull1D
Entries 63
Mean −0.01687
Std Dev 1.03

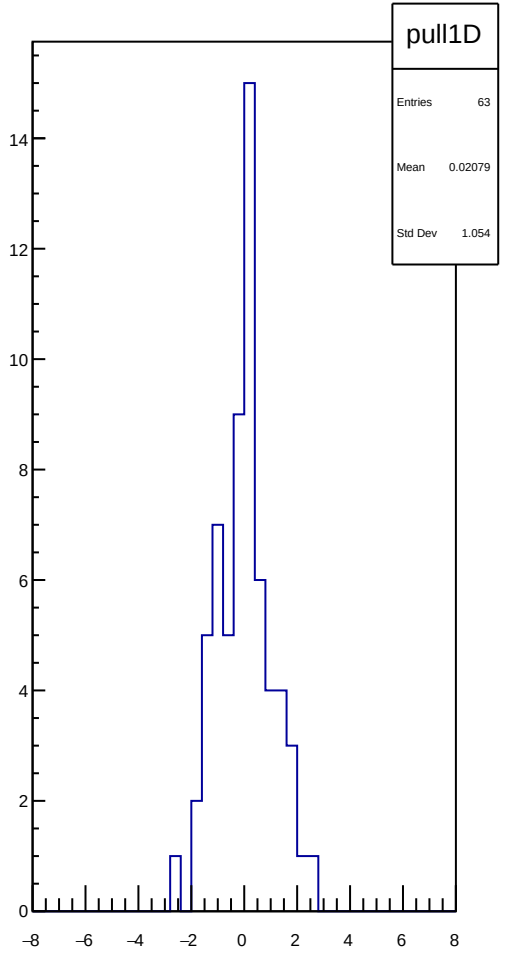

asym_us_agg_dd_rms vs run
χ² / ndf 249 / 62
p0 1212 ± 1.101
1260
1240
1220
1200
1180
1160

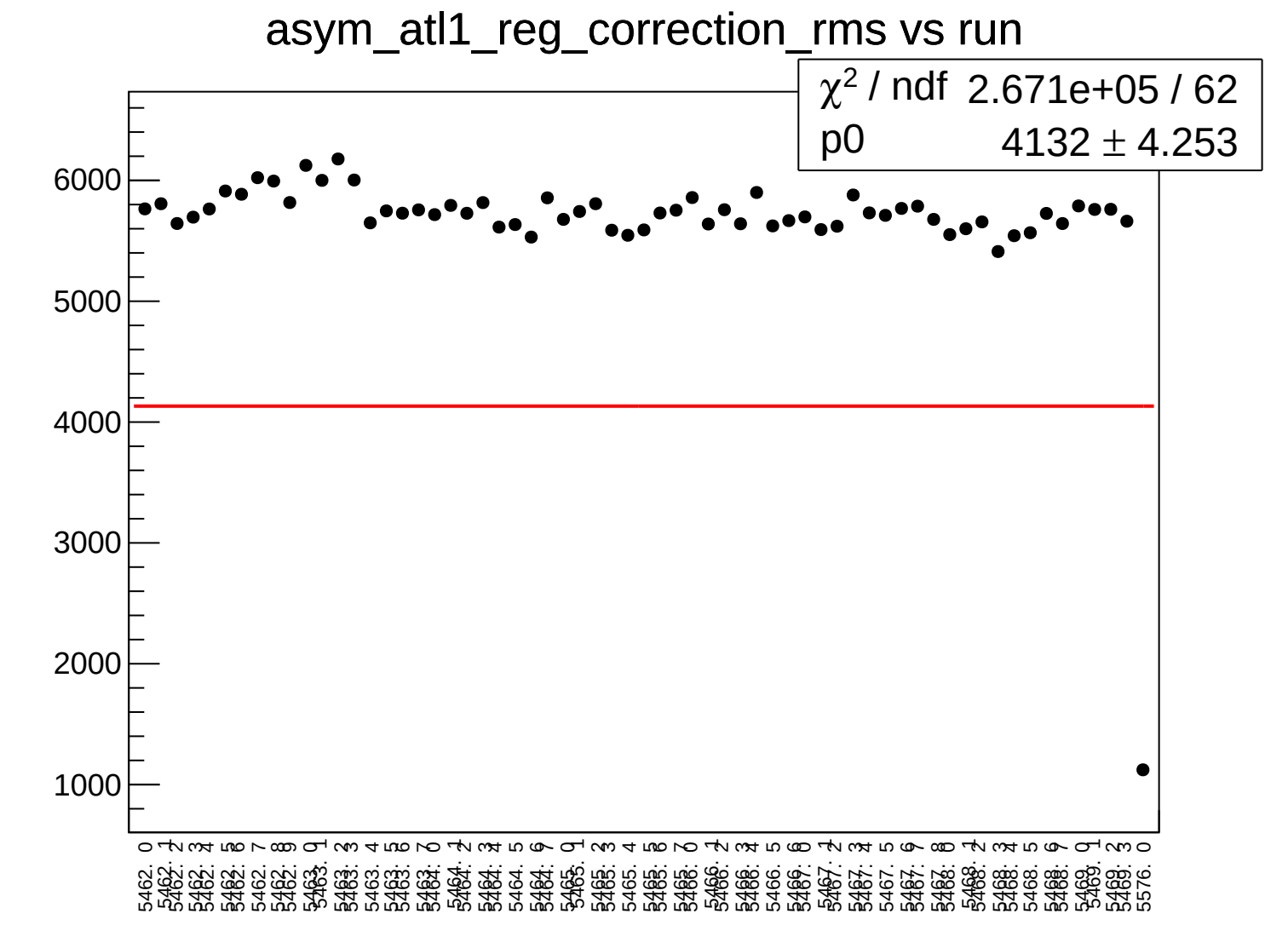

reg_asym_atl1_mean vs run
×10^3
χ^2 / ndf 62.32 / 62
p0 577.5 ± 3174
pull
Entries 63
Mean 183.1
Std Dev 0

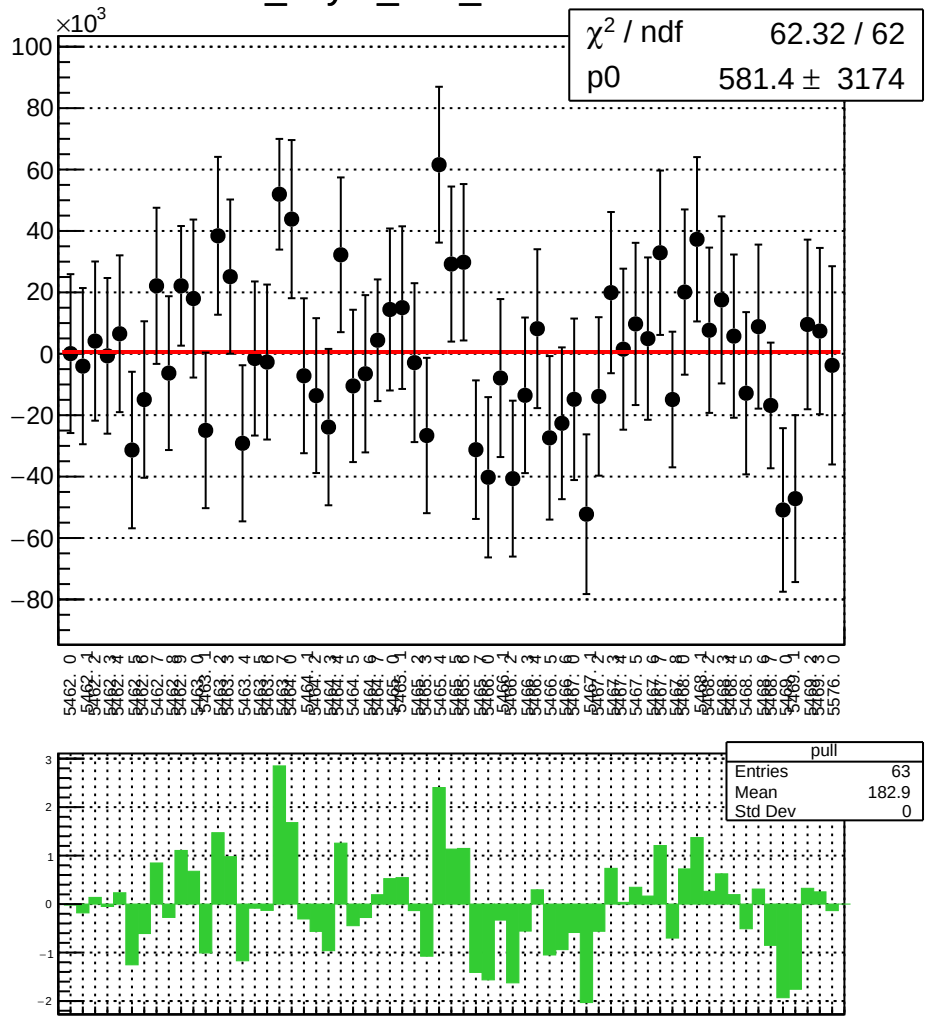

pull1D
Entries 63
Mean −0.01647
Std Dev 0.9944

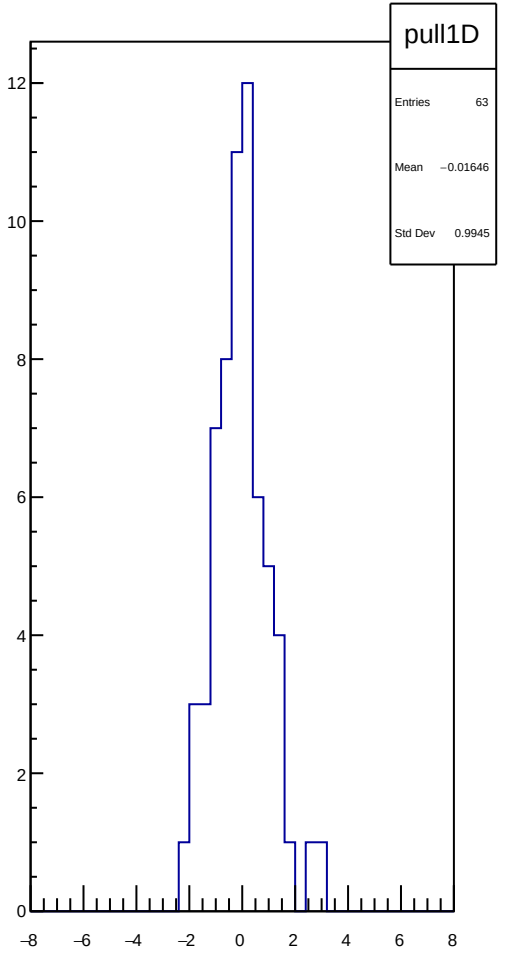

reg_asym_atl1_rms vs run
χ² / ndf 3086 / 62
p0 2467 ± 2.244
3600
3400
3200
3000
2800
2600
2400

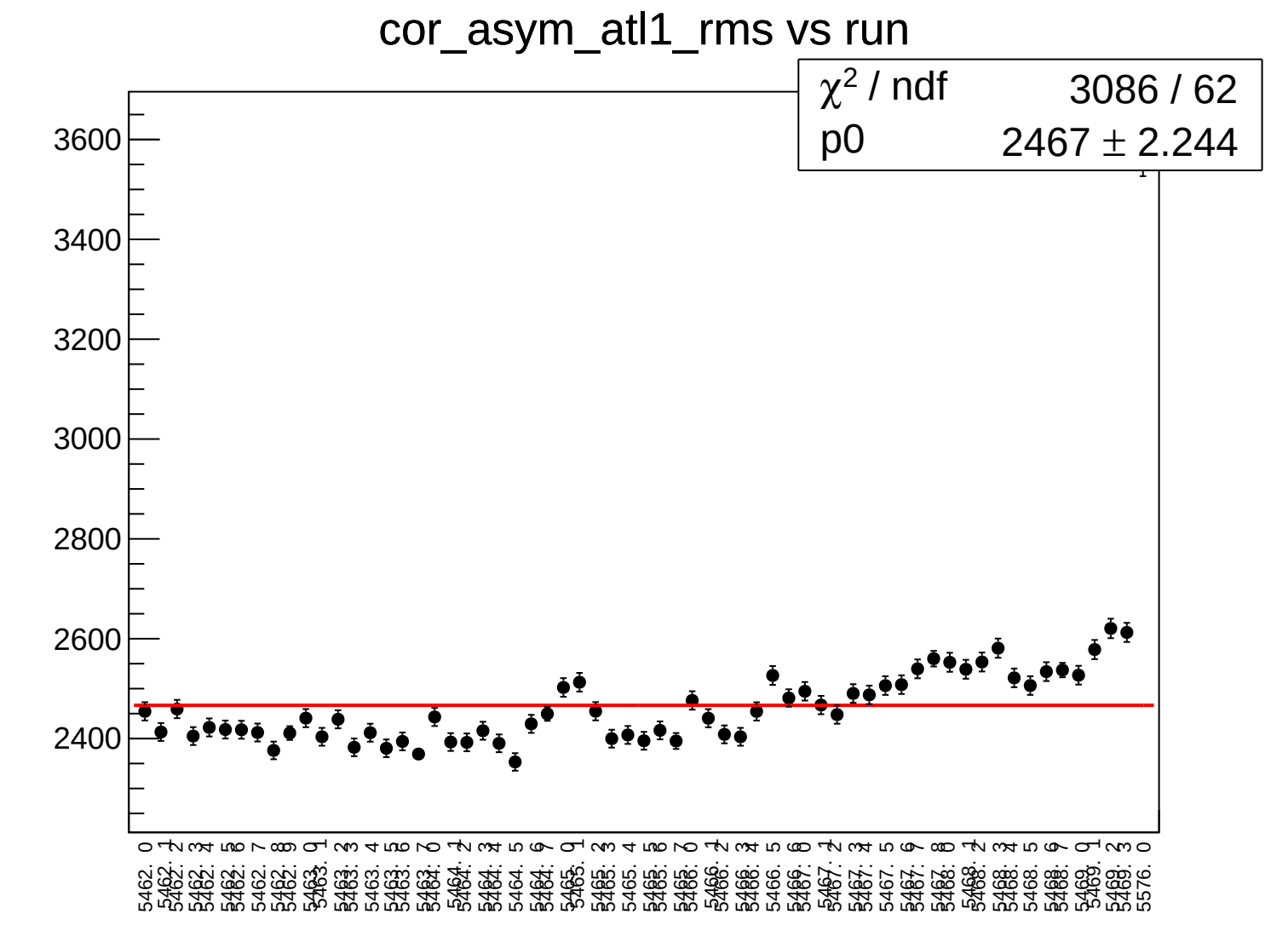

asym_atl1_reg_correction_mean vs run
×10^3
χ^2 / ndf 70.02 / 62
p0 1559 ± 6015
200
100
0
−100
−200
pull
Entries 63
Mean −85.61
Std Dev 0
2
1
0
−1
−2

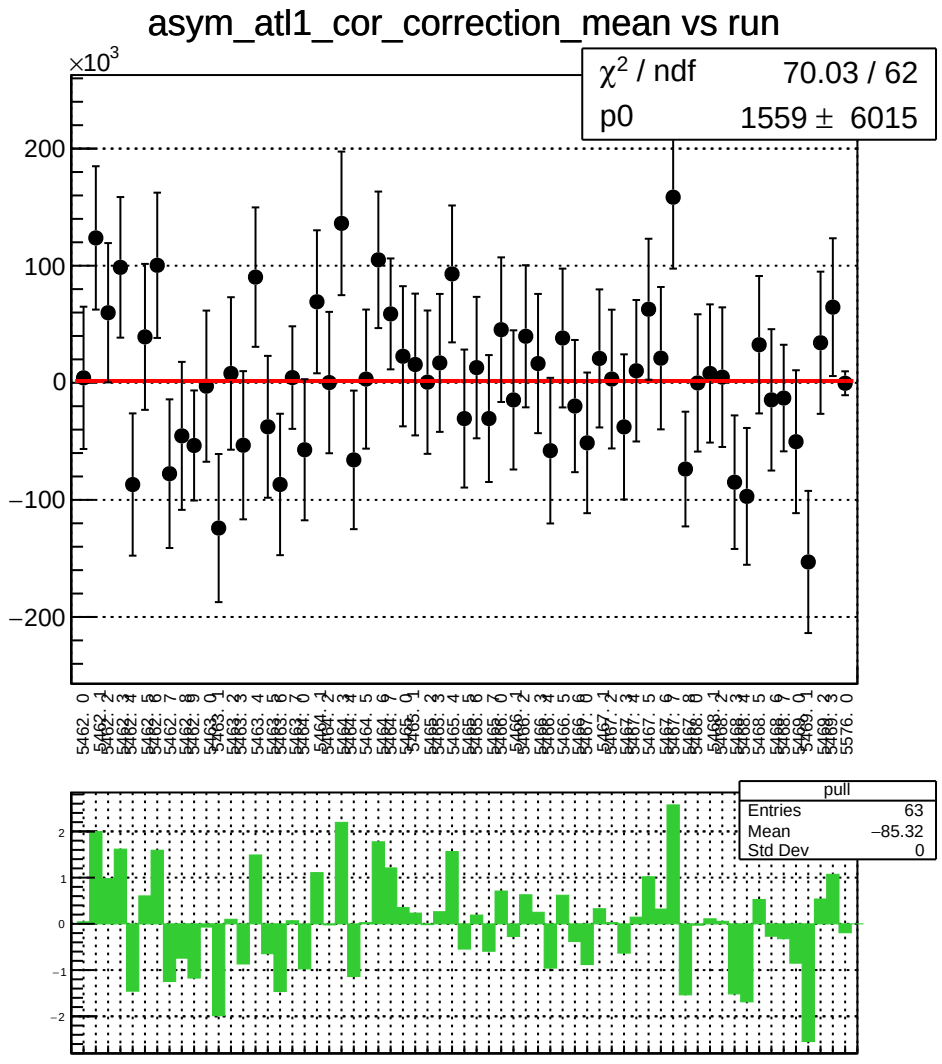

pull1D
Entries 63
Mean 0.02079
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

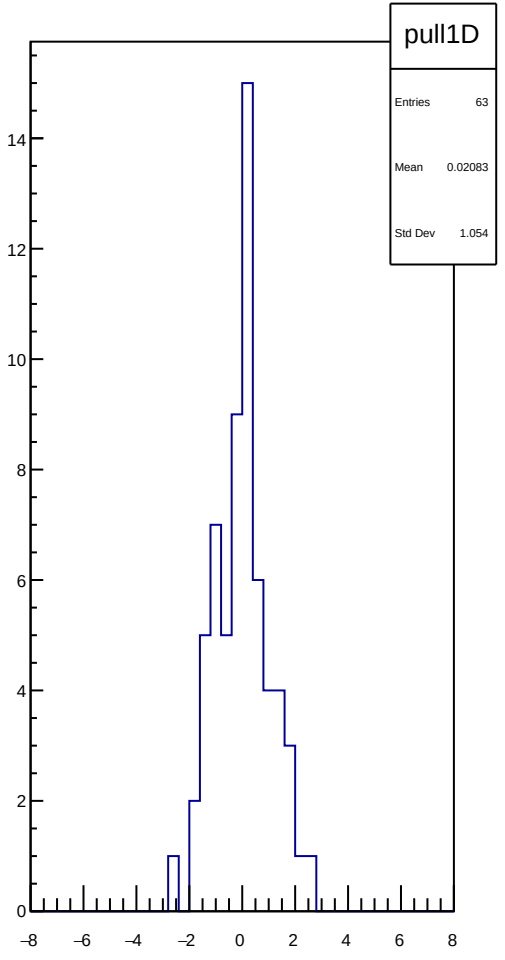

asym_atl1_reg_correction_rms vs run
χ² / ndf 2.671e+05 / 62
p0 4132 ± 4.253
6000
5000
4000
3000
2000
1000

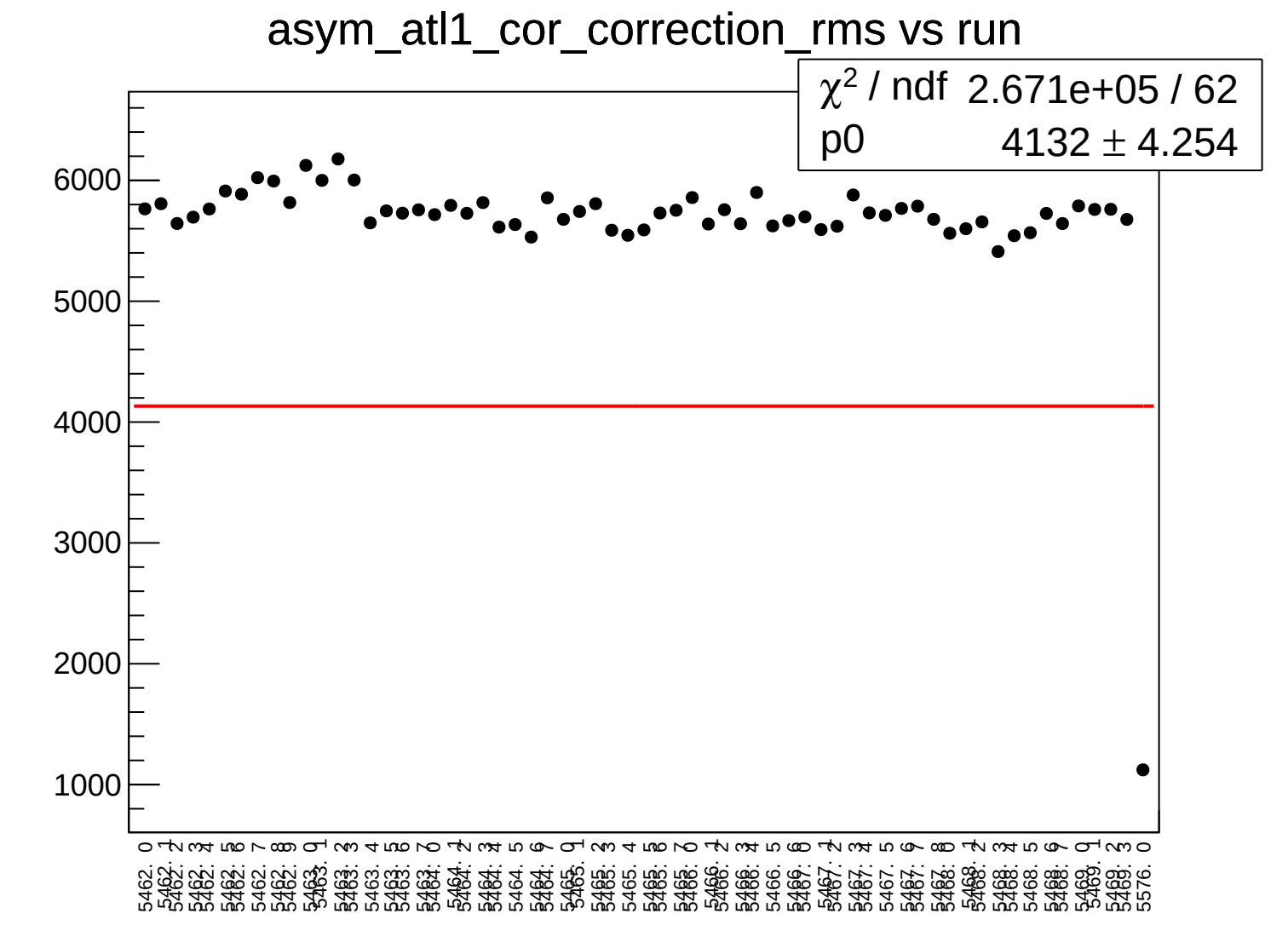

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 62.32 / 62
p0 581.4 ± 3174
pull
Entries 63
Mean 182.9
Std Dev 0

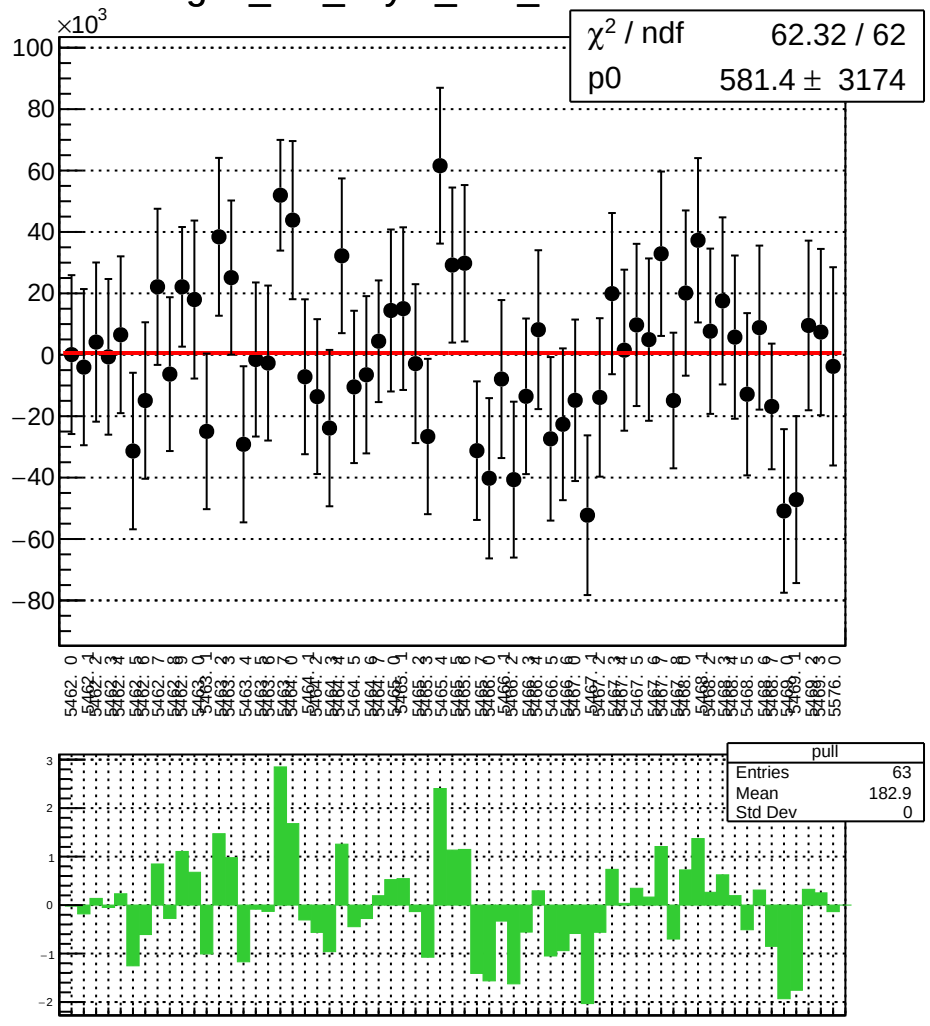

pull1D
Entries 63
Mean −0.01646
Std Dev 0.9945

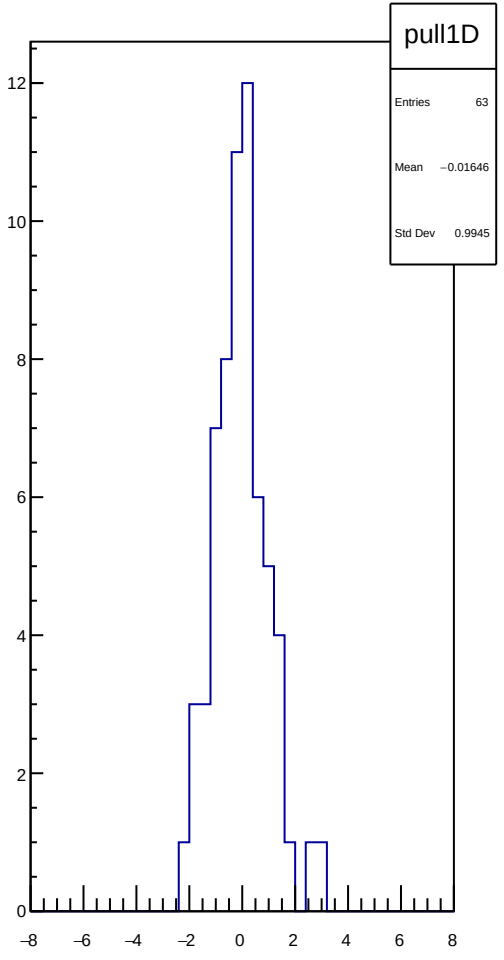

cor_asym_atl1_rms vs run
χ² / ndf 3086 / 62
p0 2467 ± 2.244
3600
3400
3200
3000
2800
2600
2400

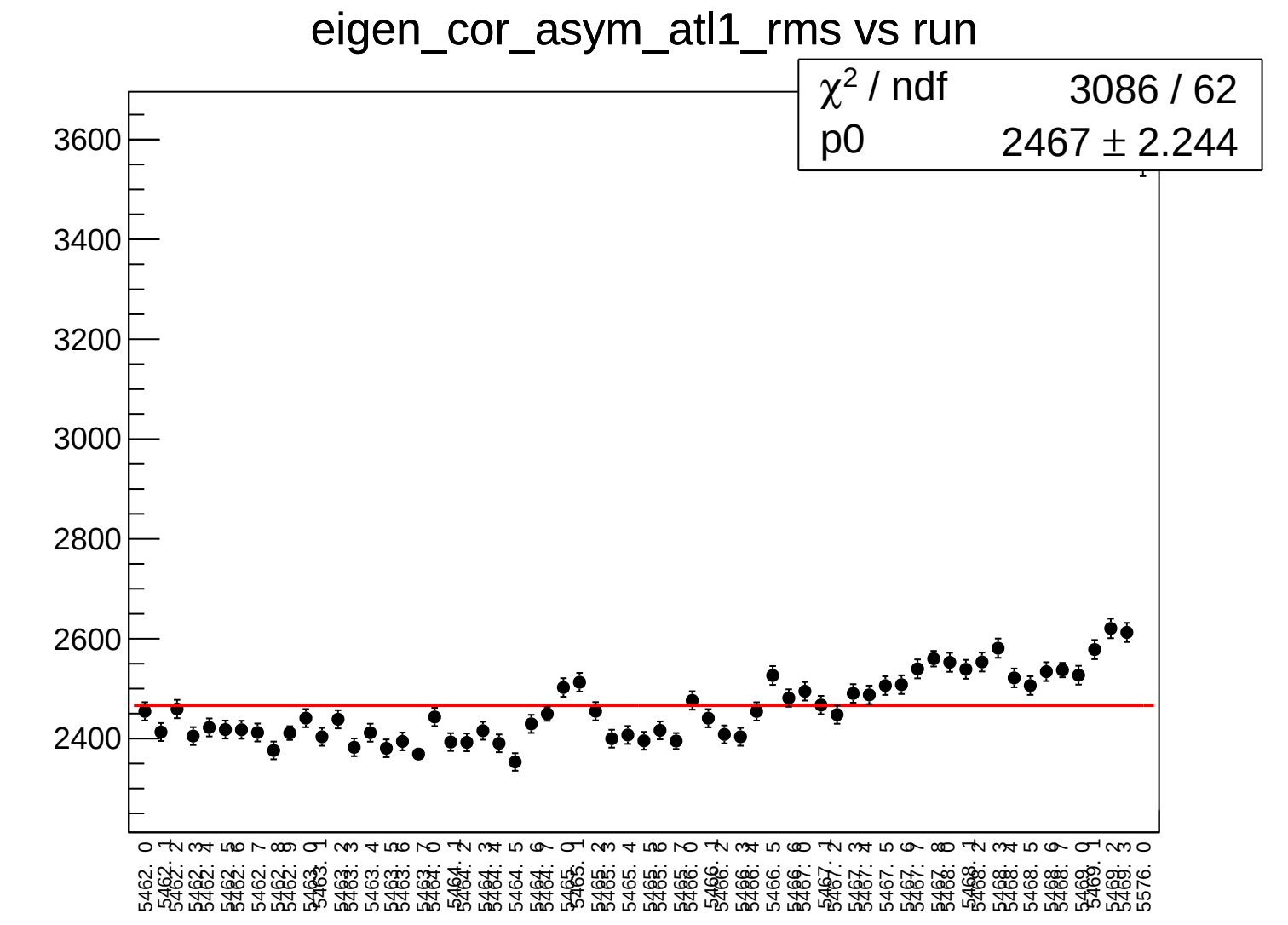

asym_atl1_cor_correction_mean vs run
×10^3
χ² / ndf 70.03 / 62
p0 1559 ± 6015
200
100
0
−100
−200
pull
Entries 63
Mean −85.32
Std Dev 0
2
1
0
−1
−2

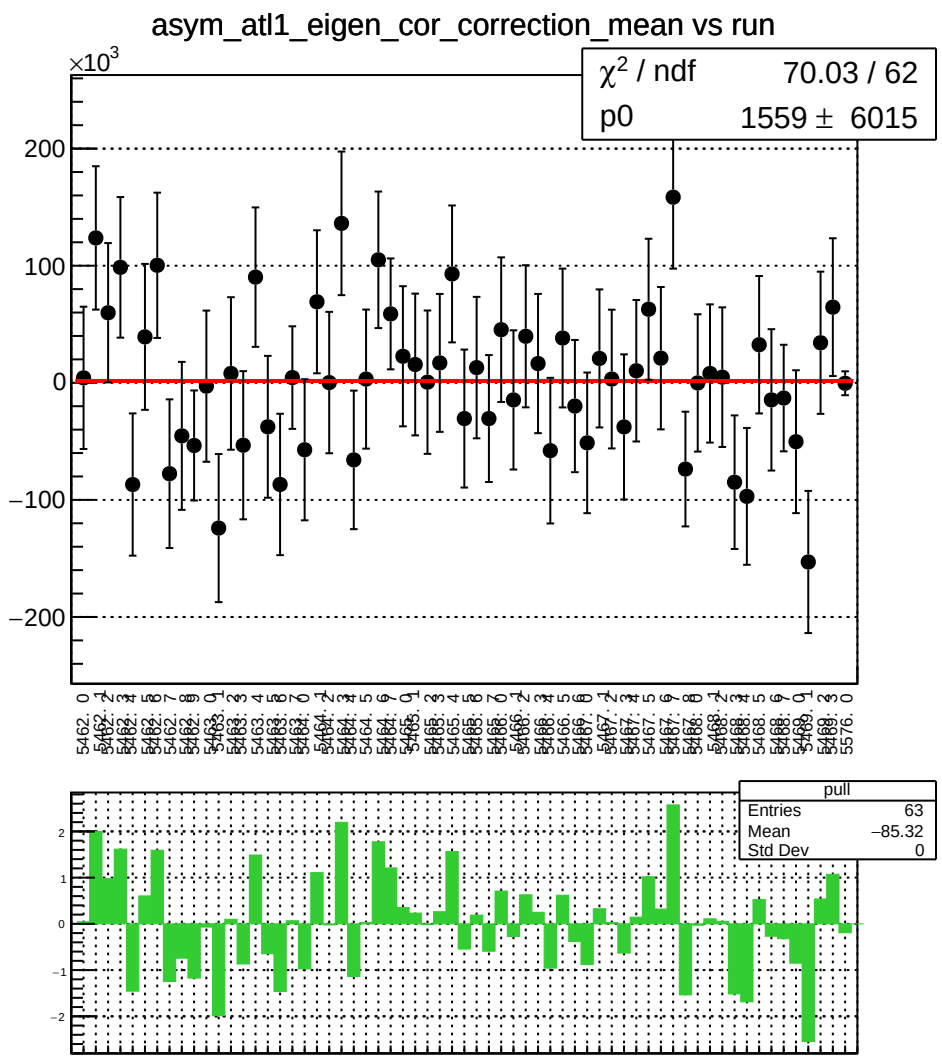

pull1D
Entries 63
Mean 0.02083
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

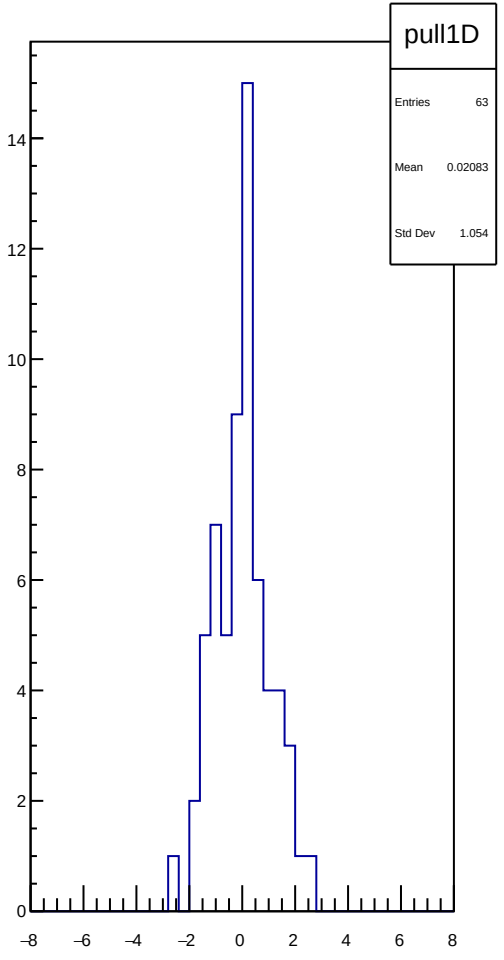

asym_atl1_cor_correction_rms vs run
χ² / ndf 2.671e+05 / 62
p0 4132 ± 4.254
6000
5000
4000
3000
2000
1000

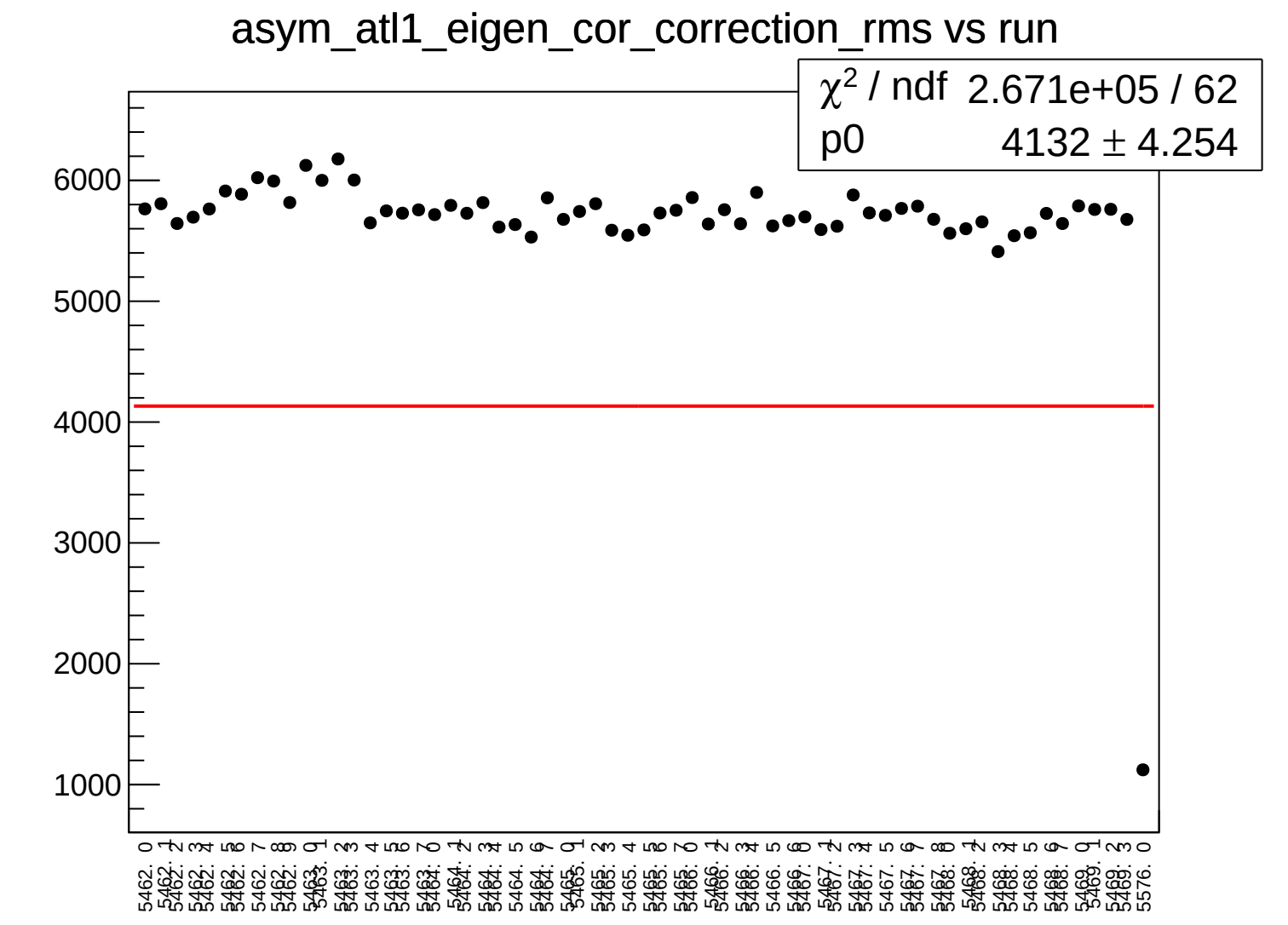

eigen_cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 62.32 / 62
p0 581.4 ± 3174
pull
Entries 63
Mean 182.9
Std Dev 0


pull1D
Entries 63
Mean −0.01646
Std Dev 0.9945


eigen_cor_asym_atl1_rms vs run
χ² / ndf 3086 / 62
p0 2467 ± 2.244
3600
3400
3200
3000
2800
2600
2400


asym_atl1_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 70.03 / 62
p0 1559 ± 6015
200
100
0
−100
−200
pull
Entries 63
Mean −85.32
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.02083
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 2.671e+05 / 62
p0 4132 ± 4.254
6000
5000
4000
3000
2000
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
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5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
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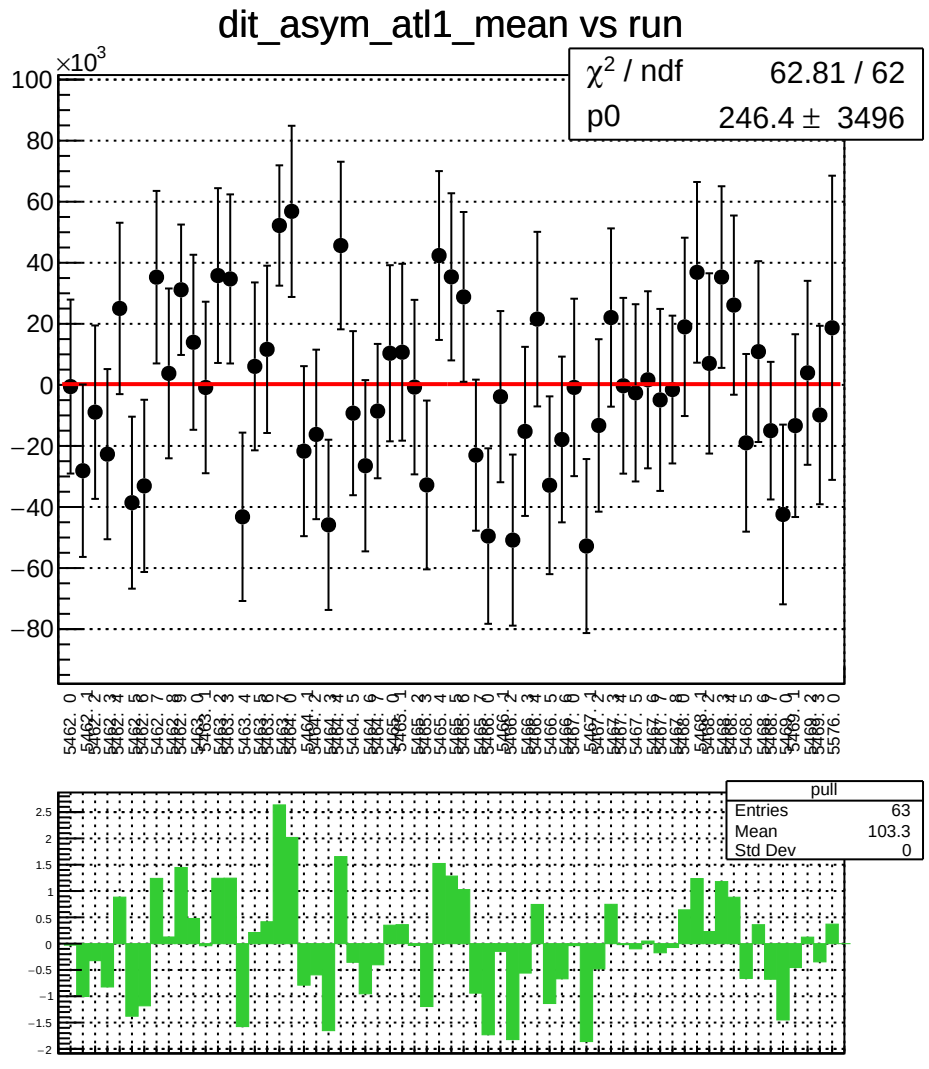
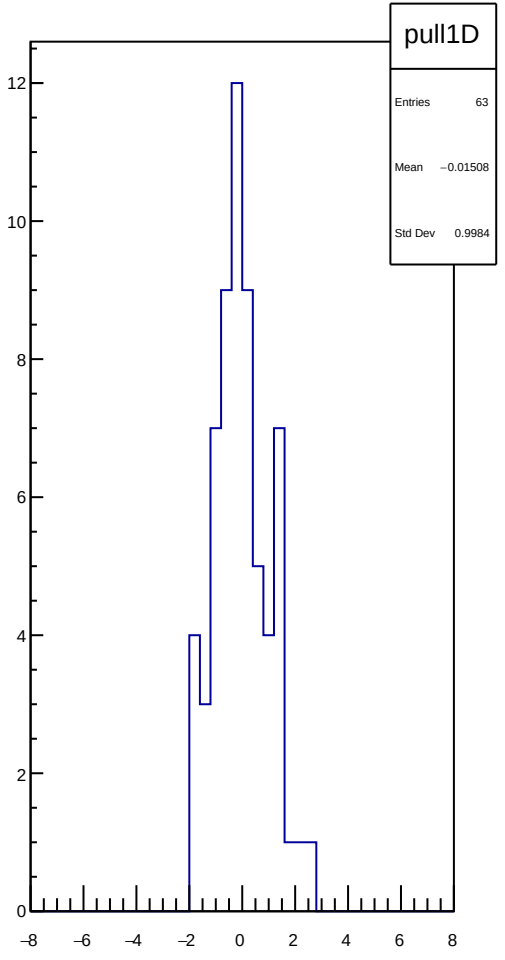
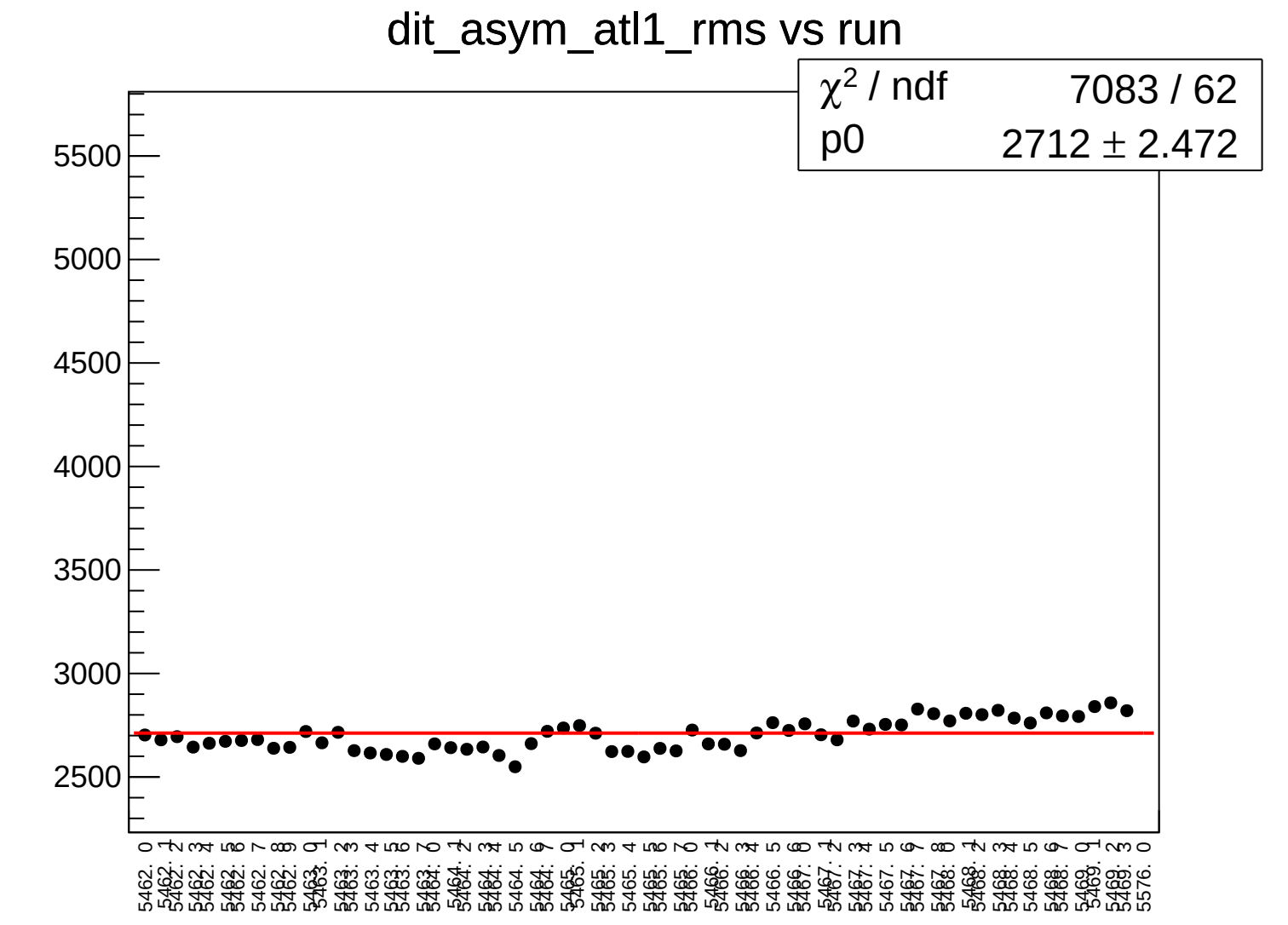
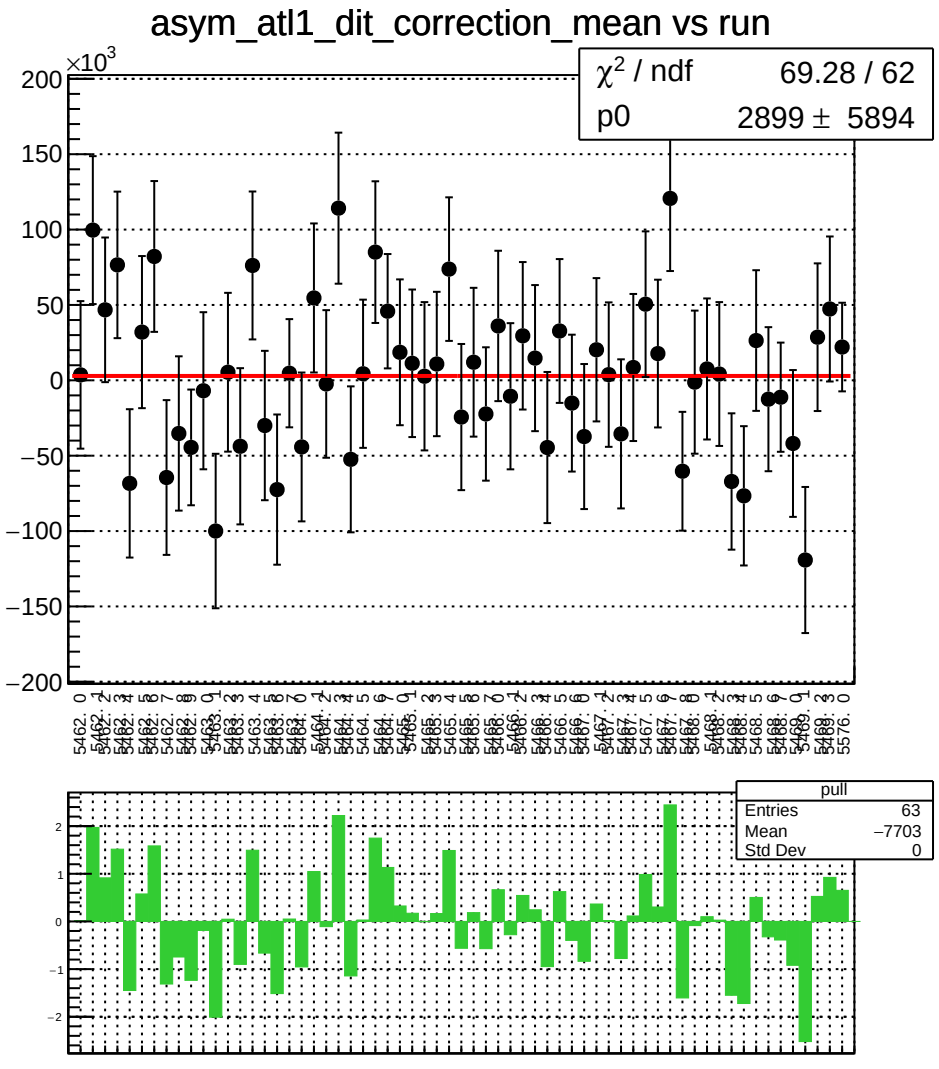
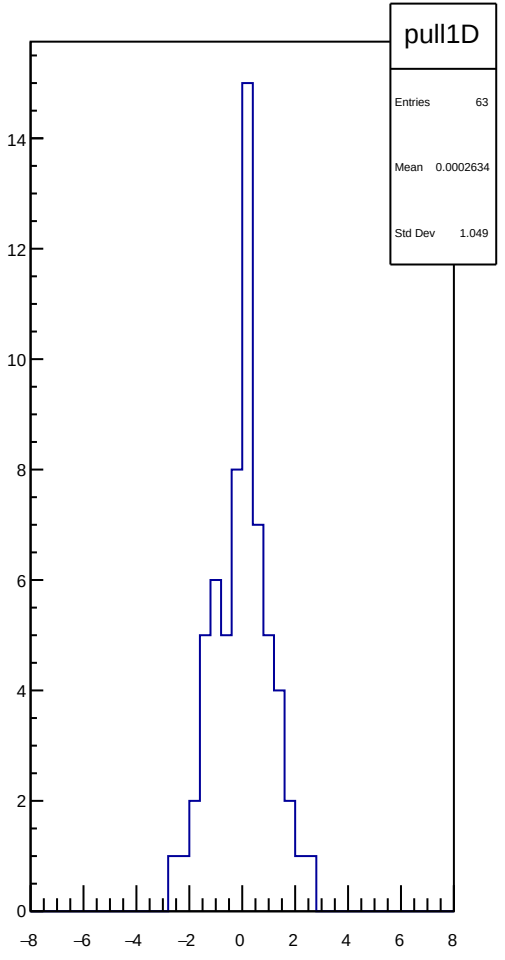
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

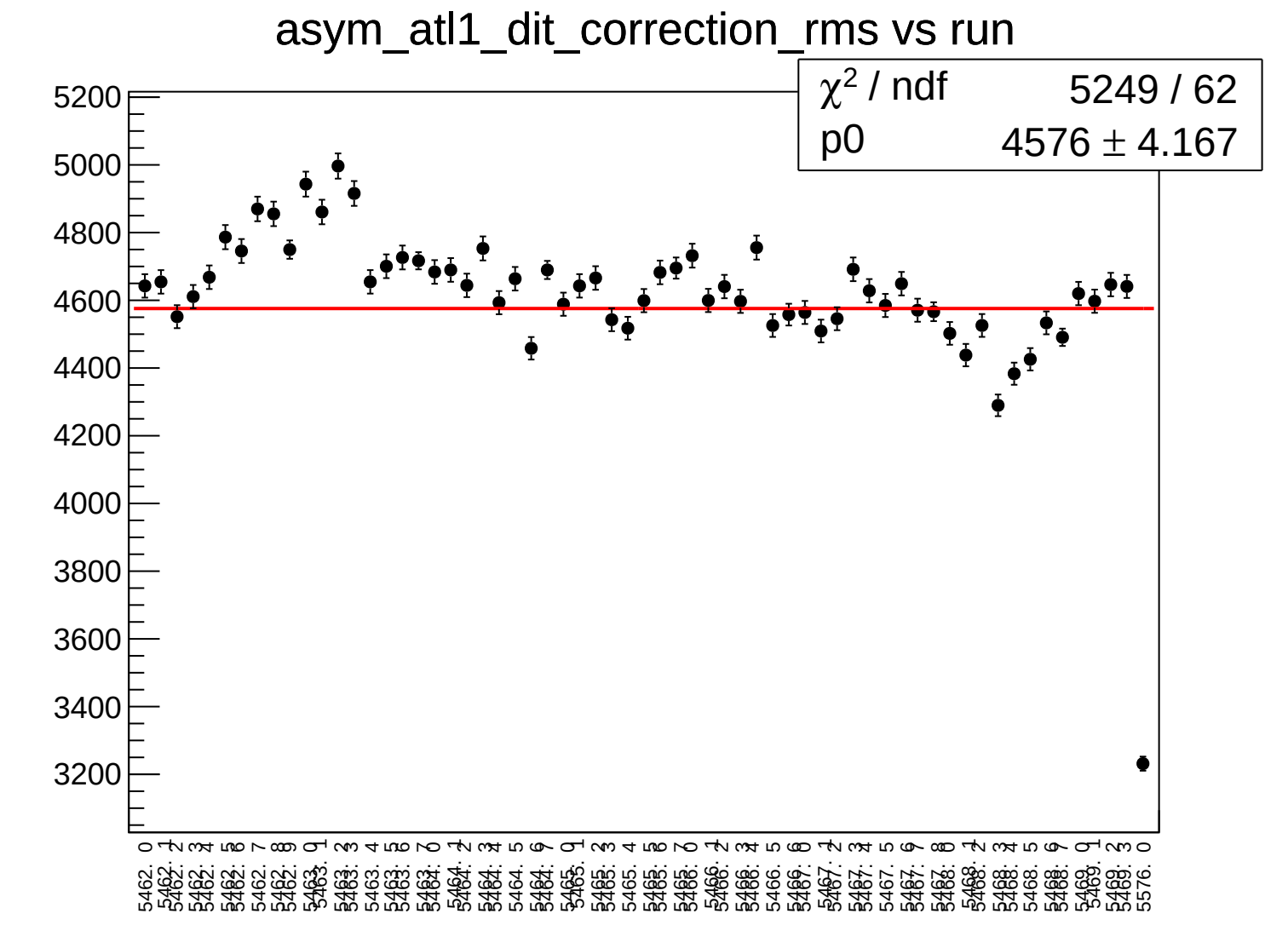

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 62.81 / 62
p0 246.4 ± 3496
pull
Entries 63
Mean 103.3
Std Dev 0

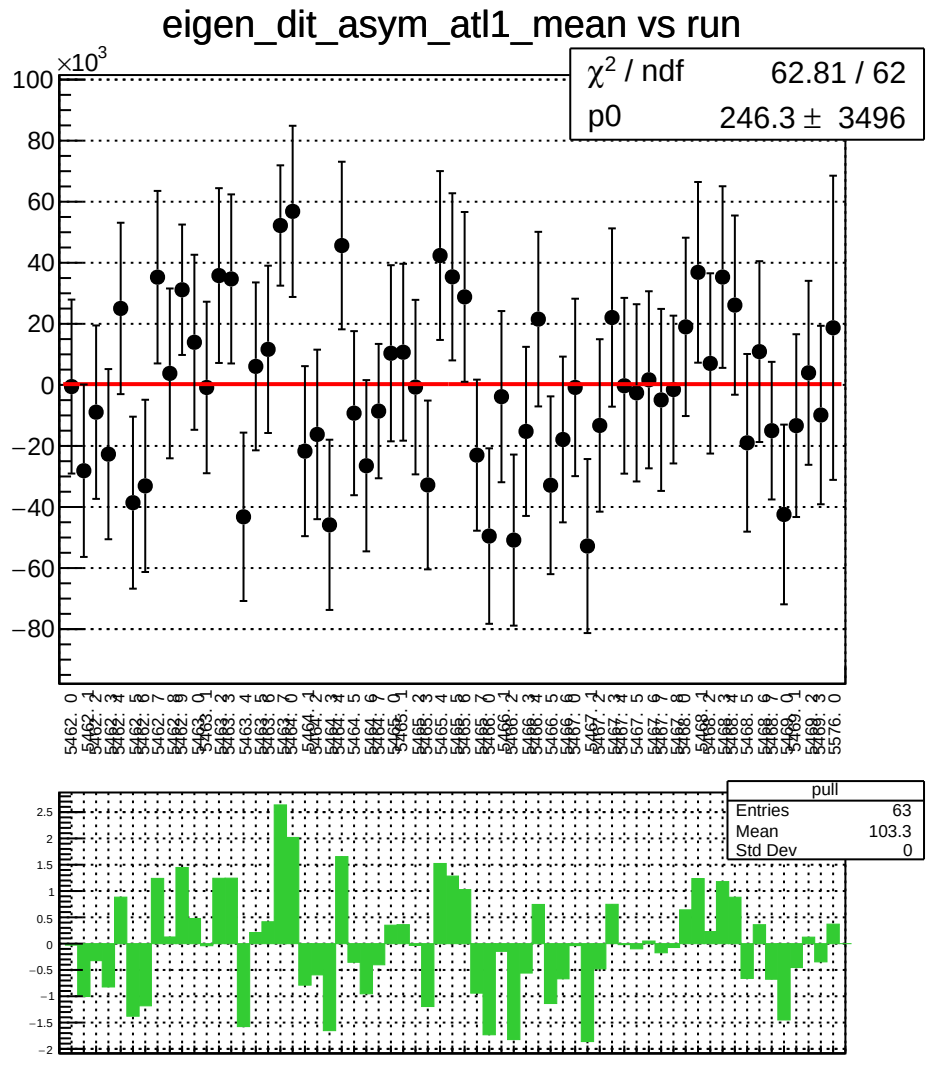

pull1D
Entries 63
Mean −0.01508
Std Dev 0.9984

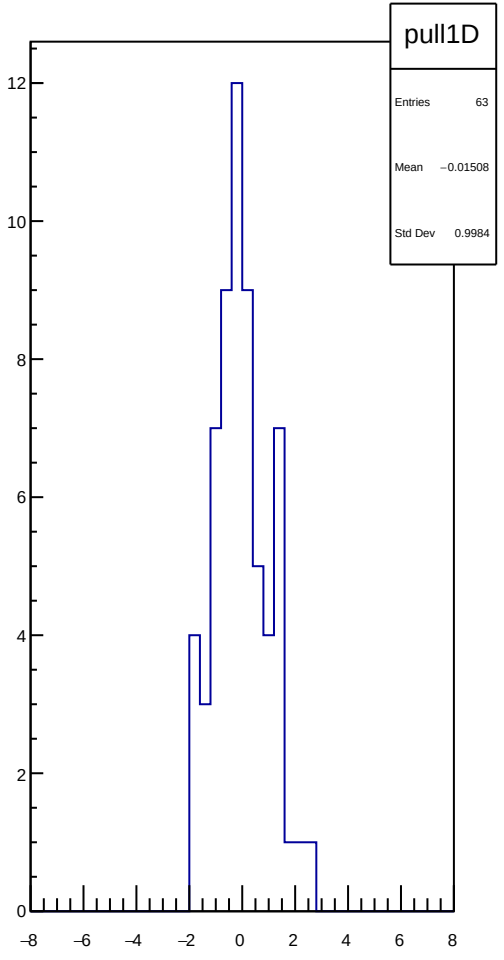

dit_asym_atl1_rms vs run
χ² / ndf 7083 / 62
p0 2712 ± 2.472
5500
5000
4500
4000
3500
3000
2500

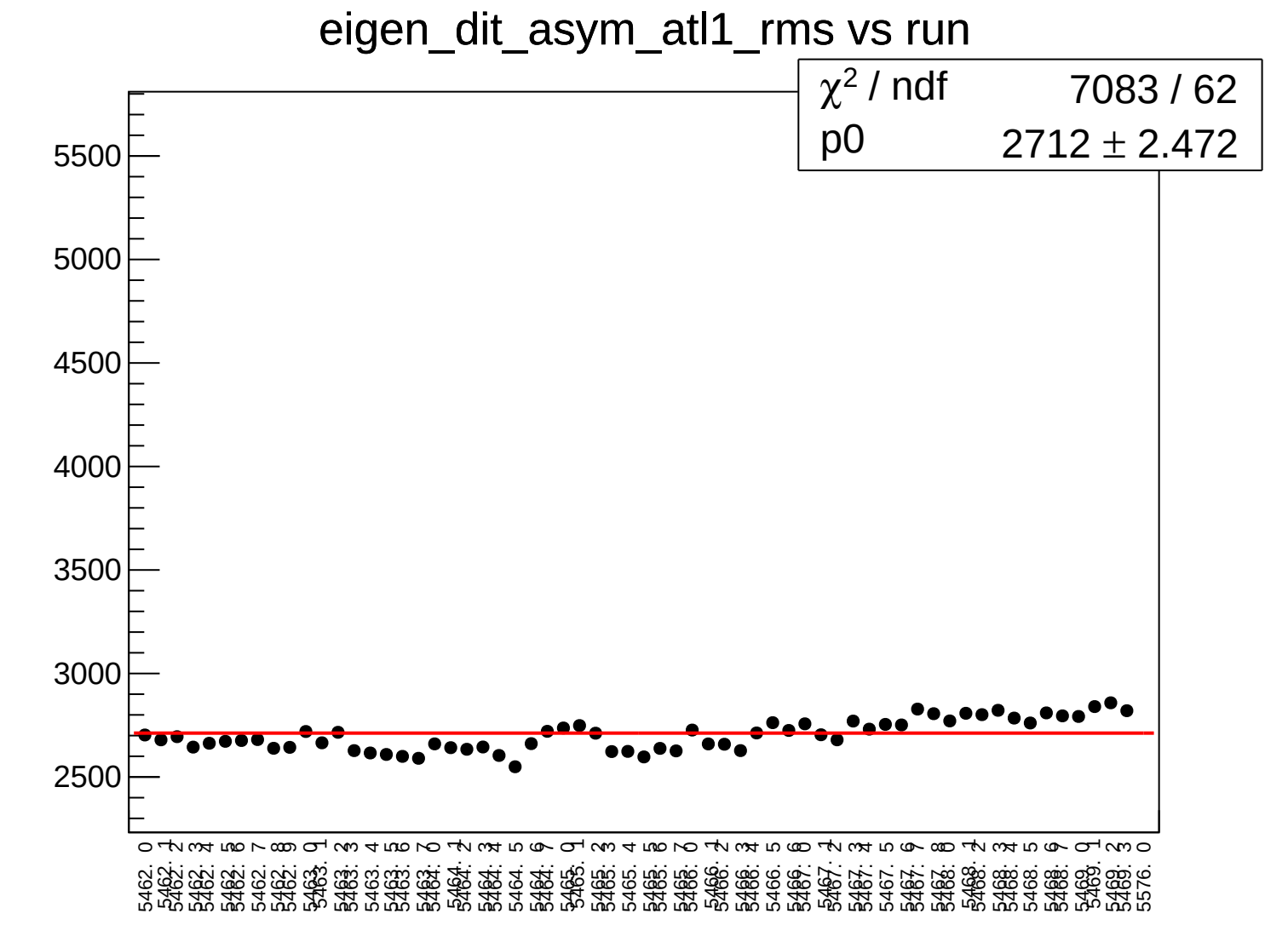

asym_atl1_dit_correction_mean vs run
×10^3
χ² / ndf 69.28 / 62
p0 2899 ± 5894
pull
Entries 63
Mean −7703
Std Dev 0

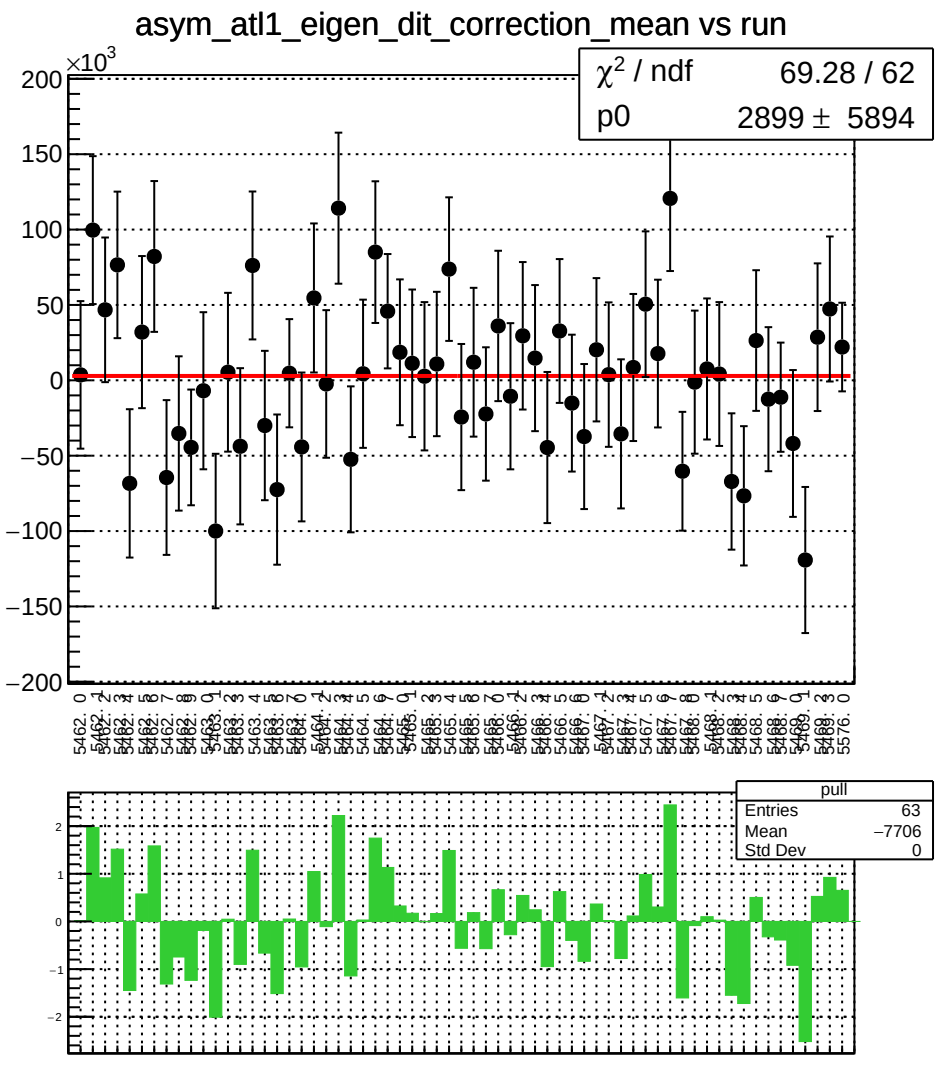

pull1D
Entries 63
Mean 0.0002634
Std Dev 1.049

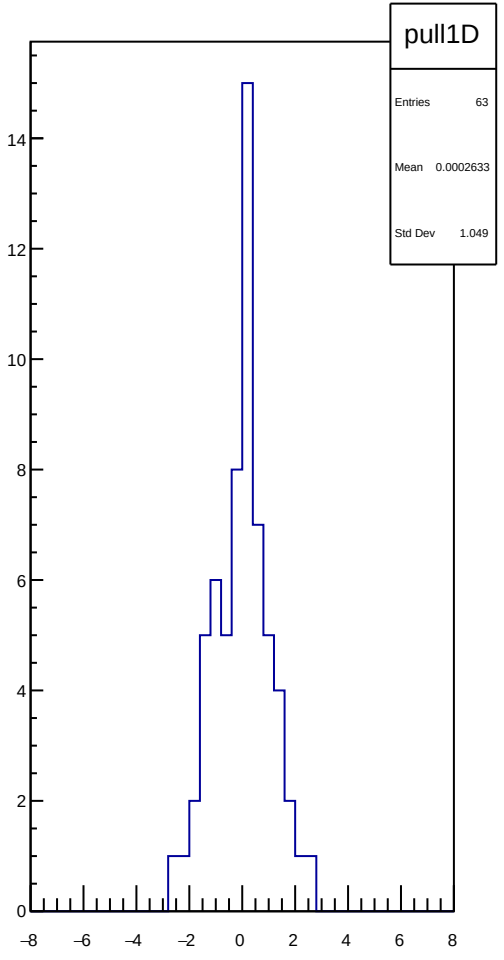

asym_atl1_dit_correction_rms vs run
χ² / ndf 5249 / 62
p0 4576 ± 4.167
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

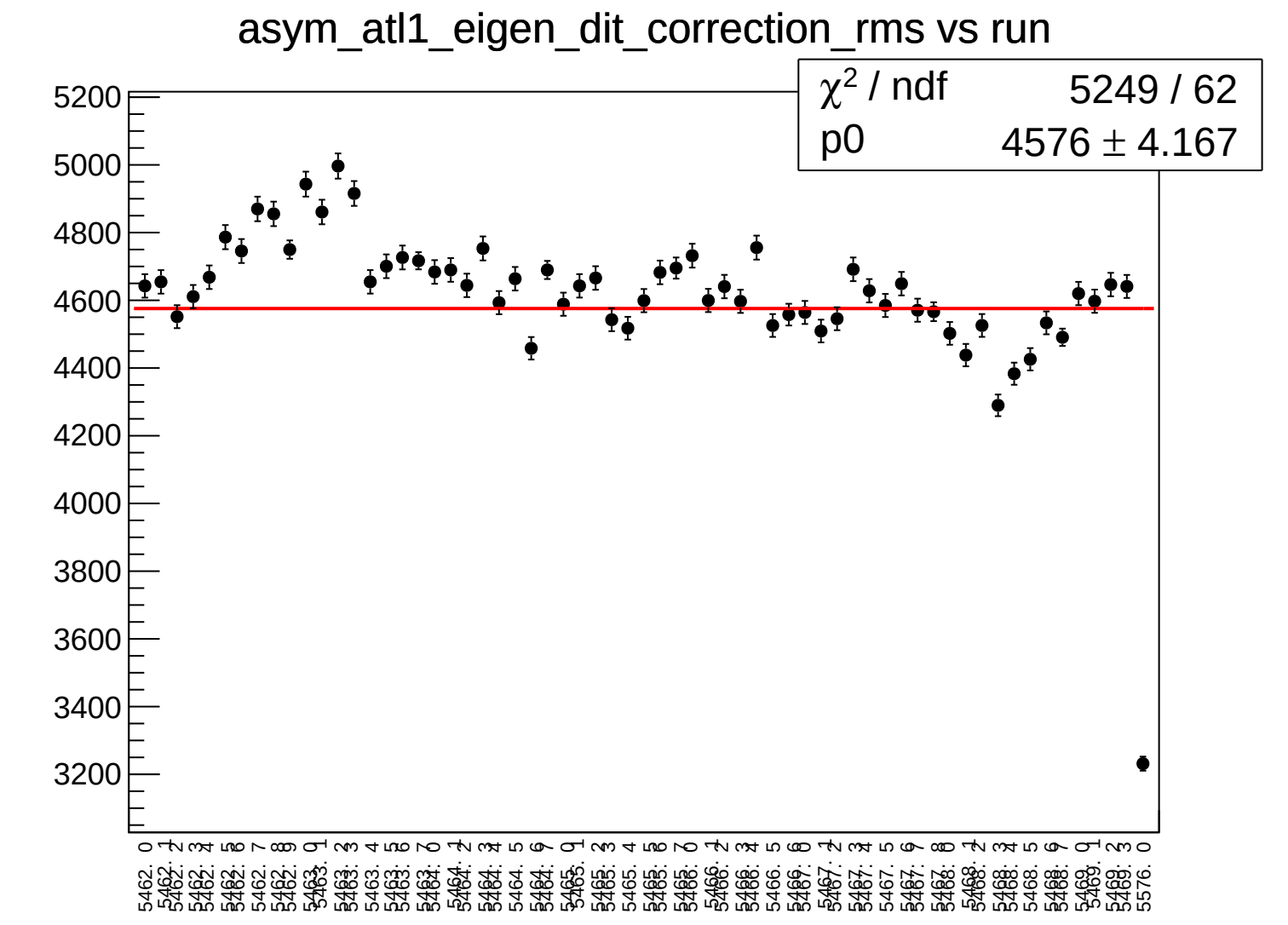

eigen_dit_asym_atl1_mean vs run
χ² / ndf 62.81 / 62
p0 246.3 ± 3496
×10³
pull
Entries 63
Mean 103.3
Std Dev 0

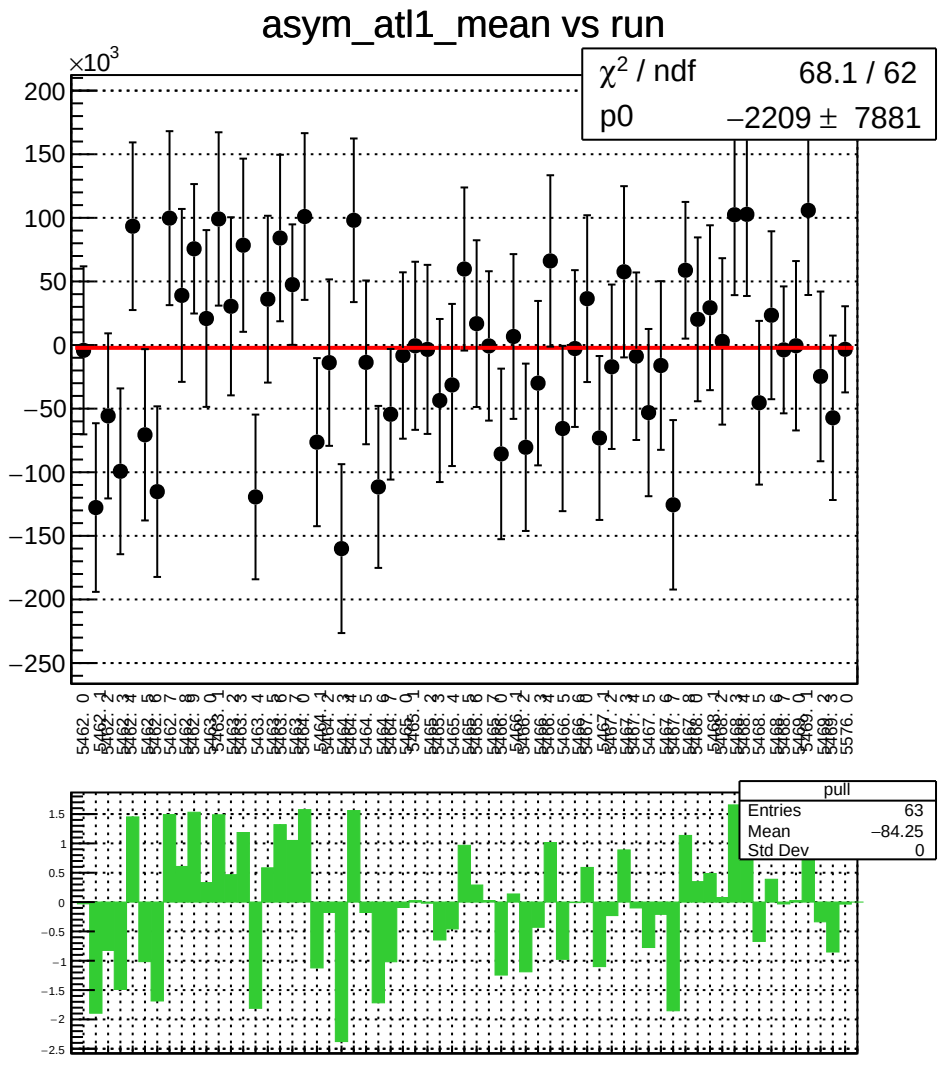

pull1D
Entries 63
Mean −0.01508
Std Dev 0.9984

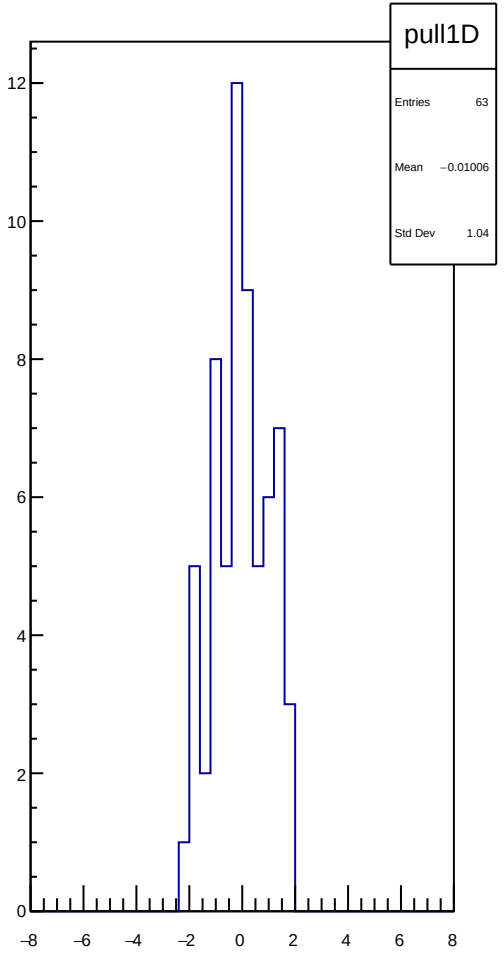

eigen_dit_asym_atl1_rms vs run
χ² / ndf 7083 / 62
p0 2712 ± 2.472
5500
5000
4500
4000
3500
3000
2500

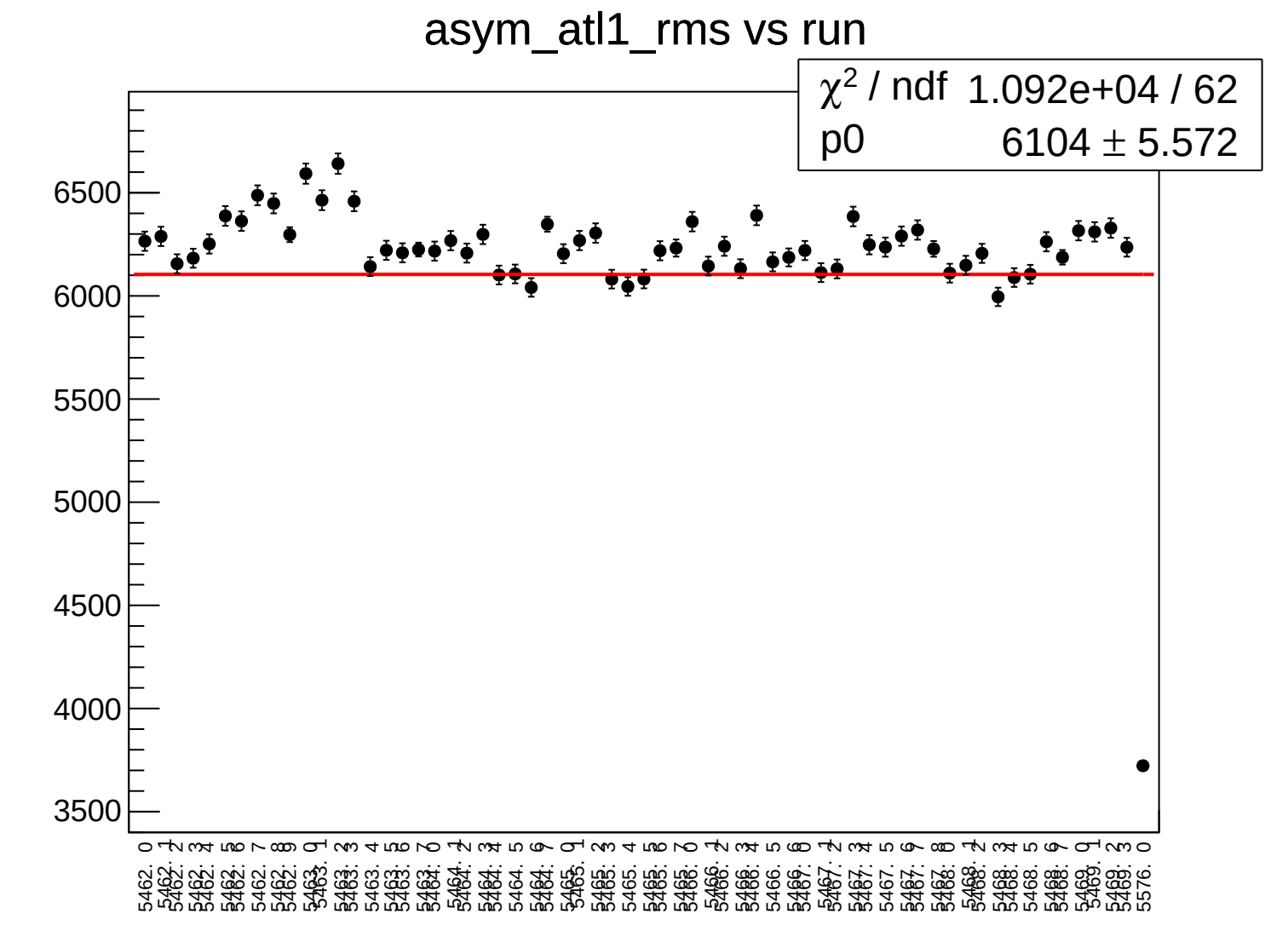

asym_atl1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 69.28 / 62
p0 2899 ± 5894
pull
Entries 63
Mean −7706
Std Dev 0

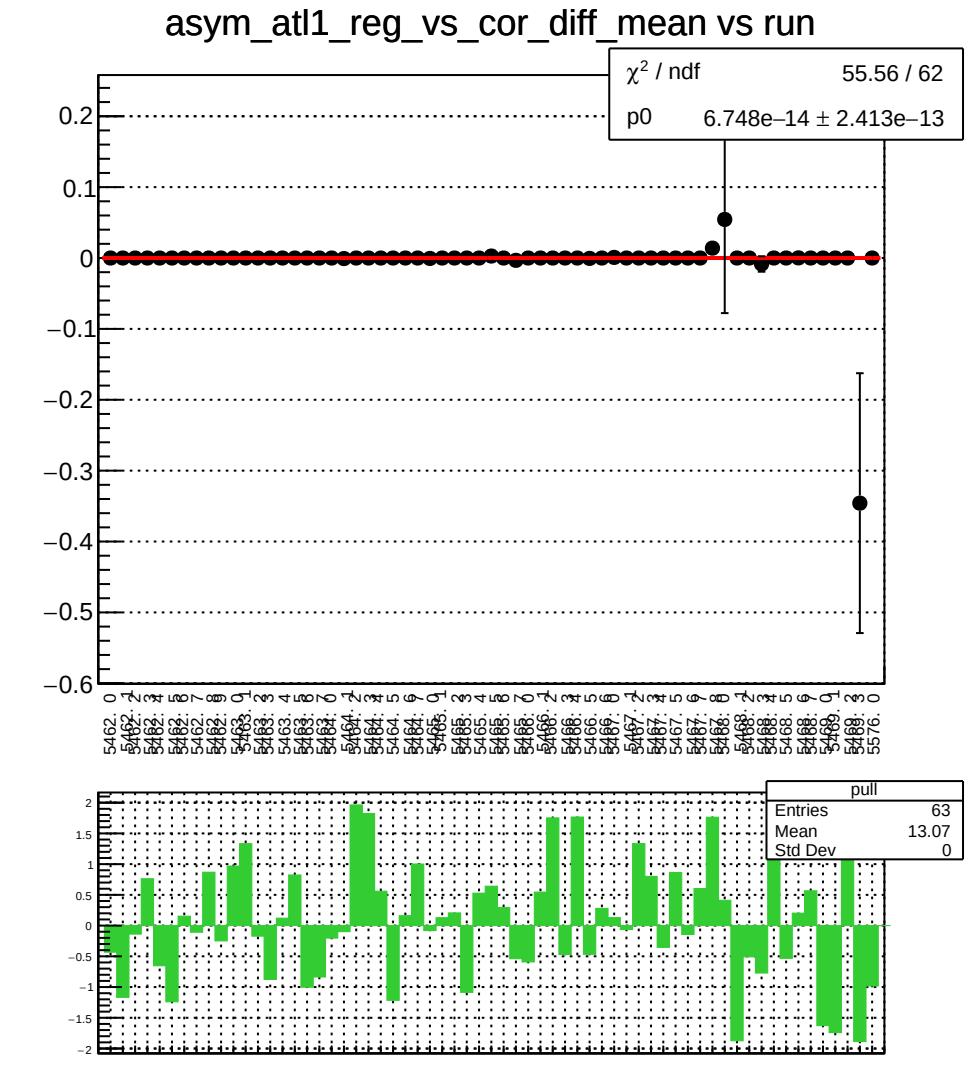

pull1D
Entries 63
Mean 0.0002633
Std Dev 1.049

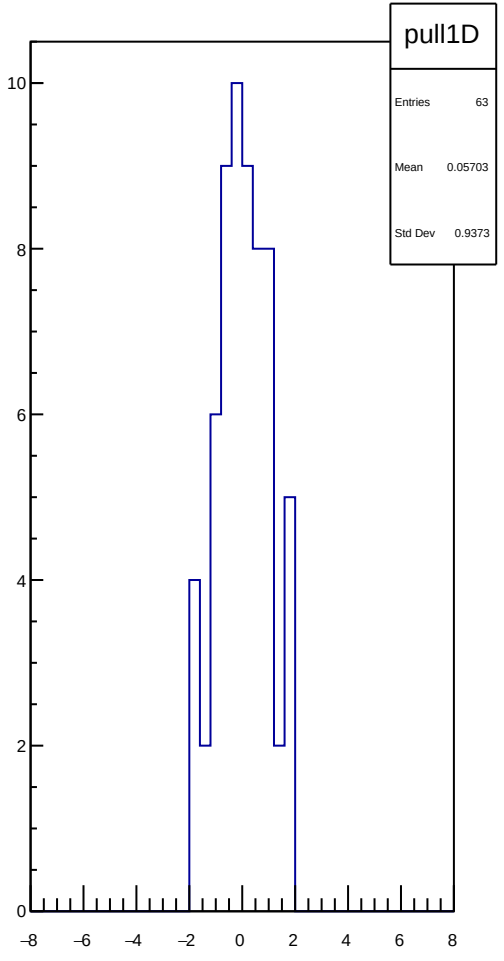

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 5249 / 62
p0 4576 ± 4.167
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

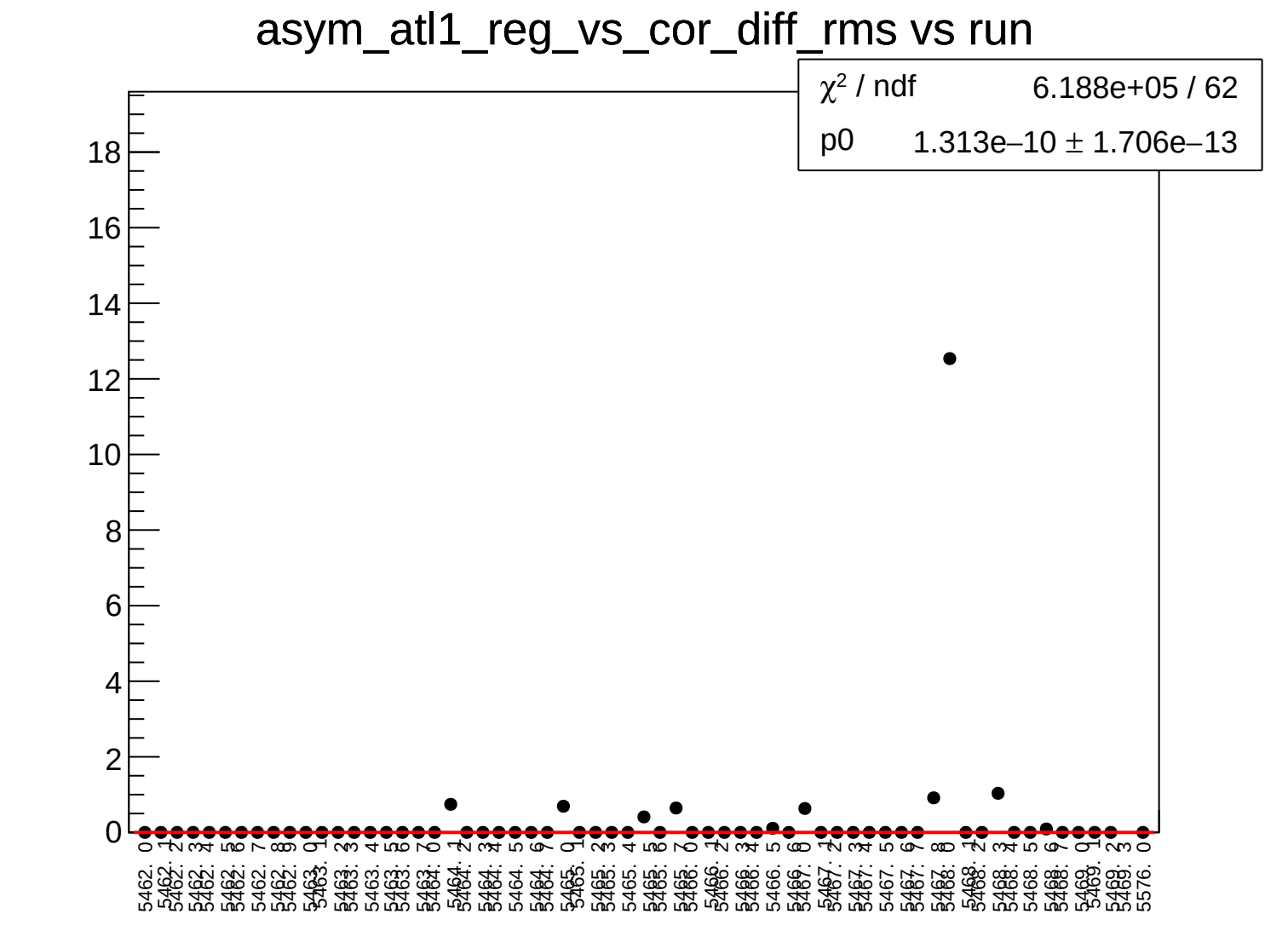

asym_atl1_mean vs run
×10^3
χ^2 / ndf 68.1 / 62
p0 −2209 ± 7881
pull
Entries 63
Mean −84.25
Std Dev 0

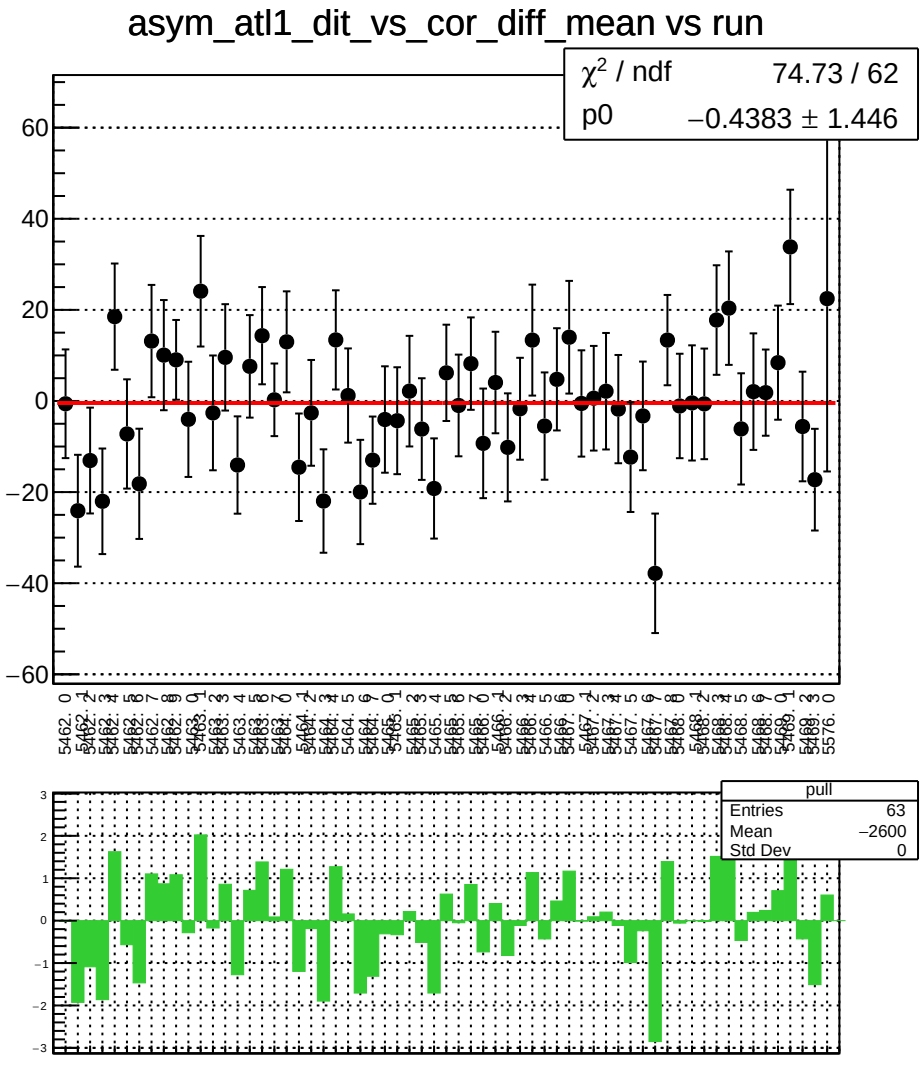

pull1D
Entries 63
Mean −0.01006
Std Dev 1.04

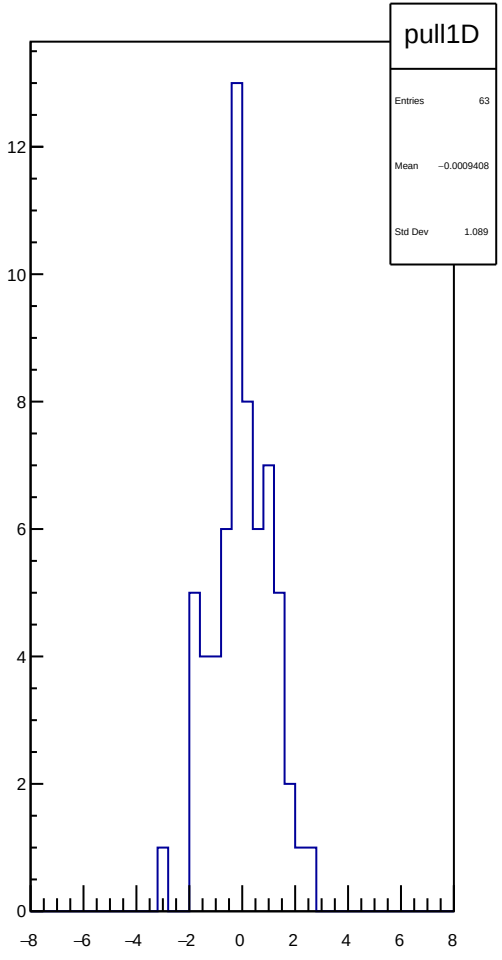

asym_atl1_rms vs run
χ² / ndf 1.092e+04 / 62
p0 6104 ± 5.572
6500
6000
5500
5000
4500
4000
3500

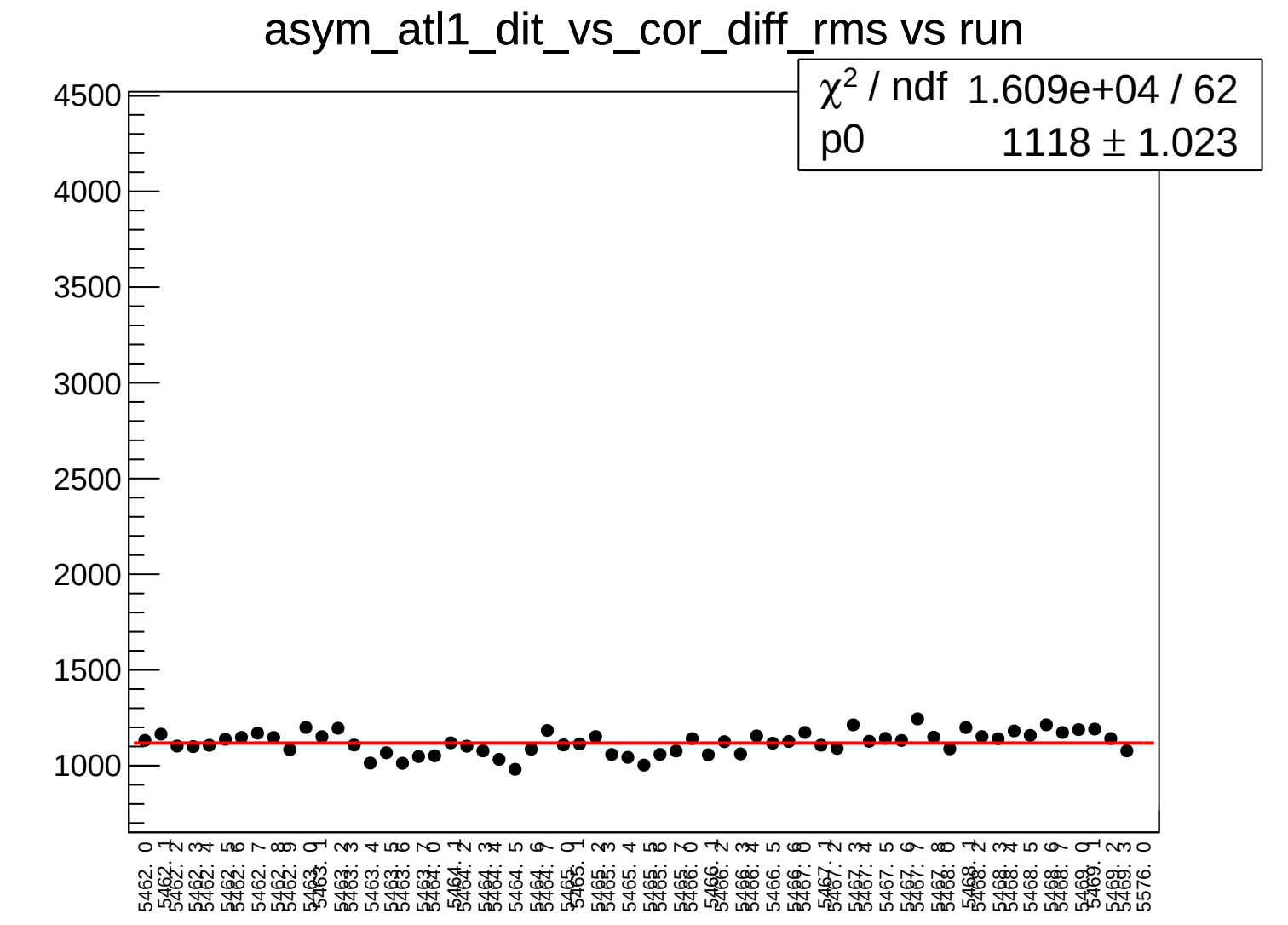

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 55.56 / 62
p0 6.748e−14 ± 2.413e−13
pull
Entries 63
Mean 13.07
Std Dev 0

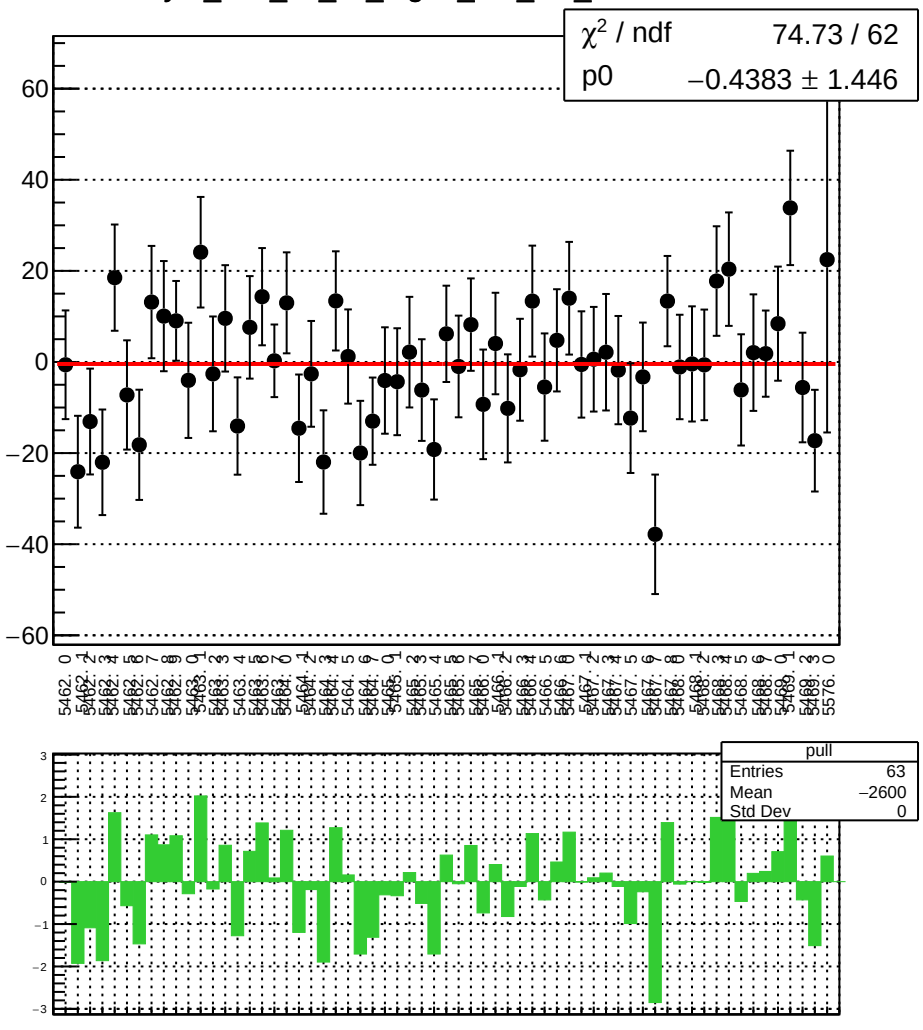

pull1D
Entries 63
Mean 0.05703
Std Dev 0.9373

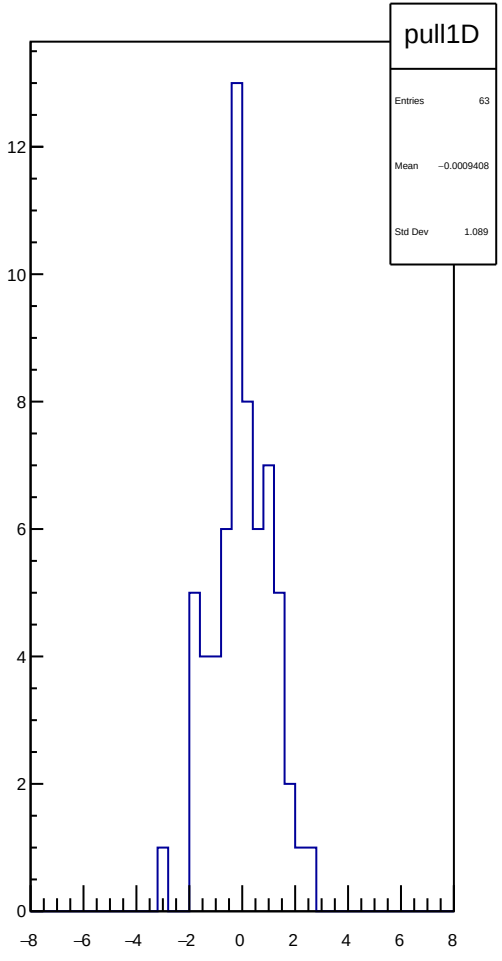

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.188e+05 / 62
p0 1.313e−10 ± 1.706e−13
18
16
14
12
10
8
6
4
2
0

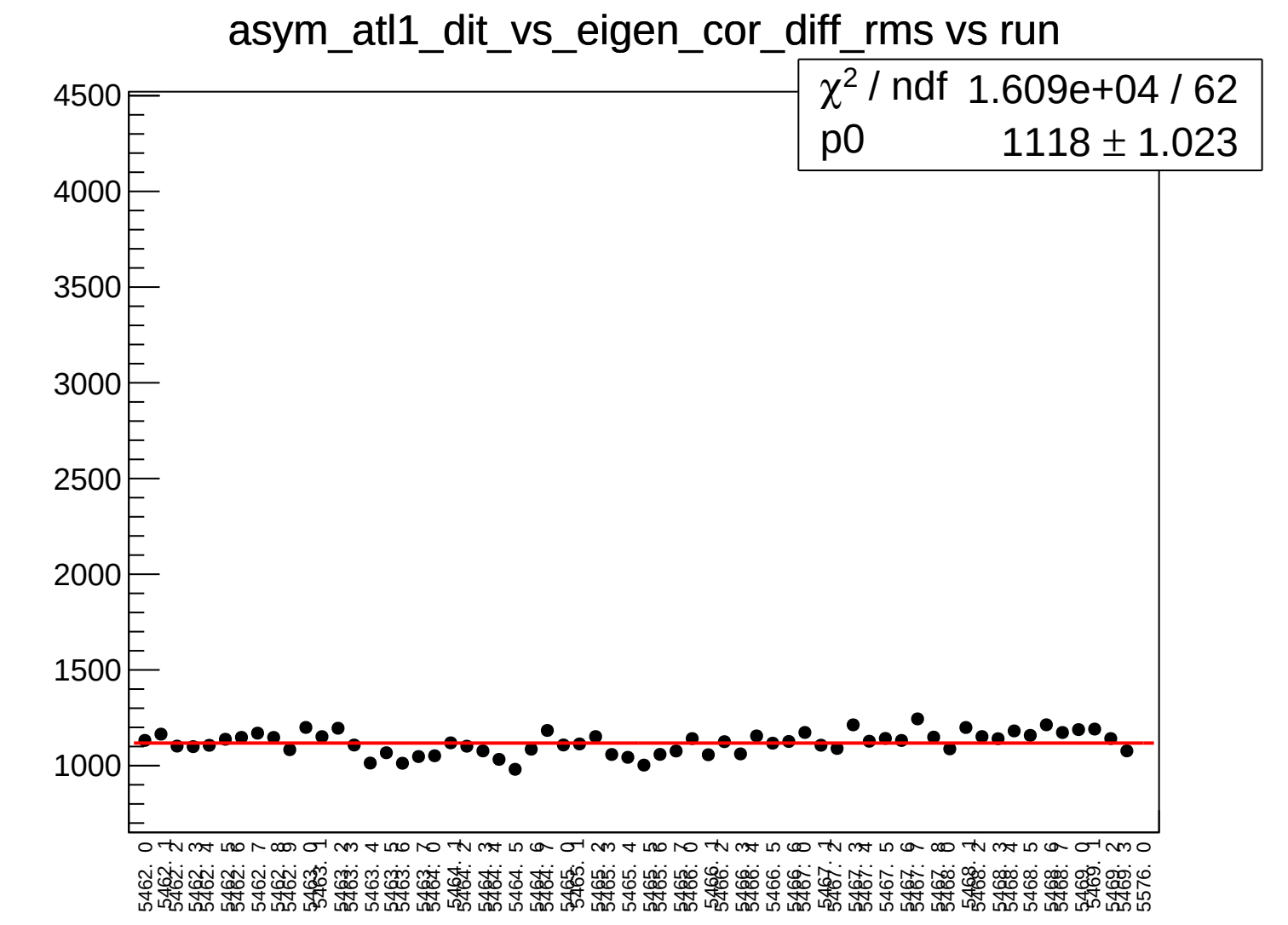

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 74.73 / 62
p0 −0.4383 ± 1.446
pull
Entries 63
Mean −2600
Std Dev 0

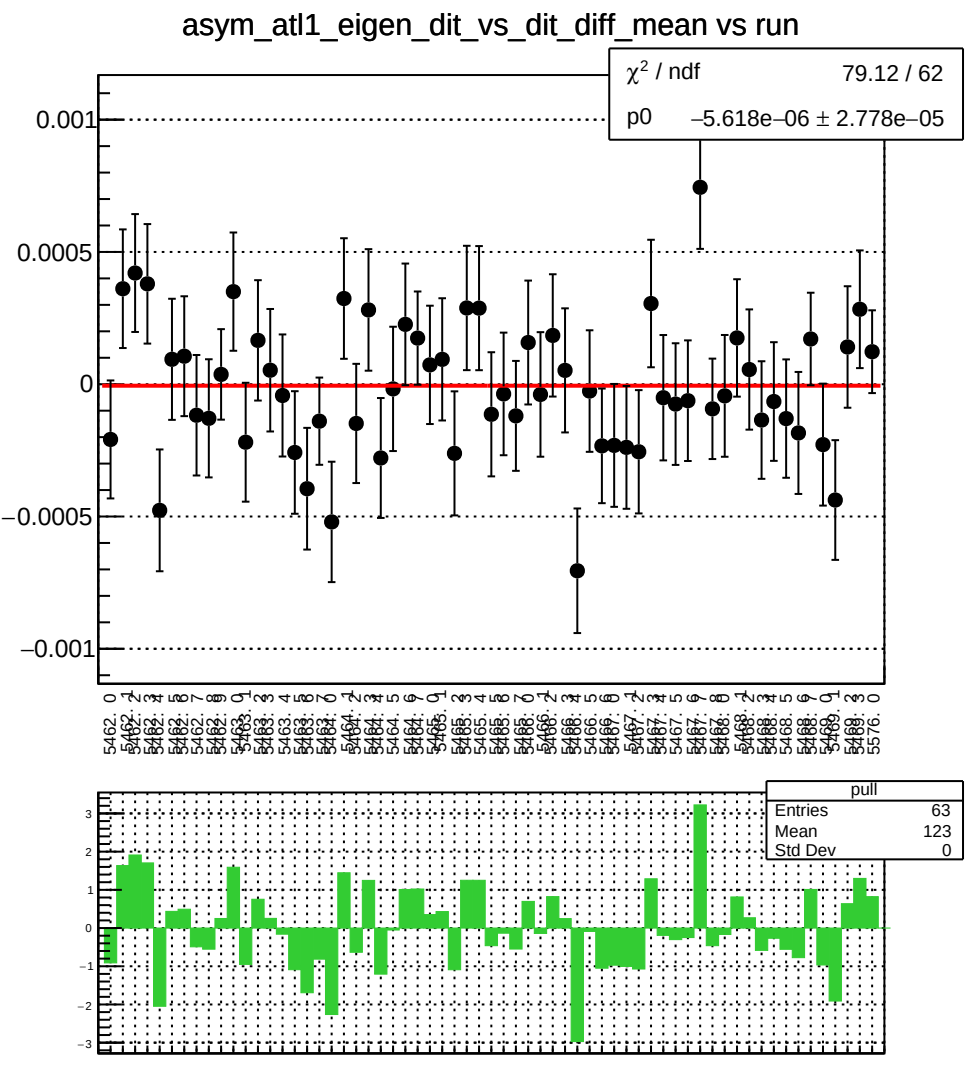

pull1D
Entries 63
Mean −0.0009408
Std Dev 1.089

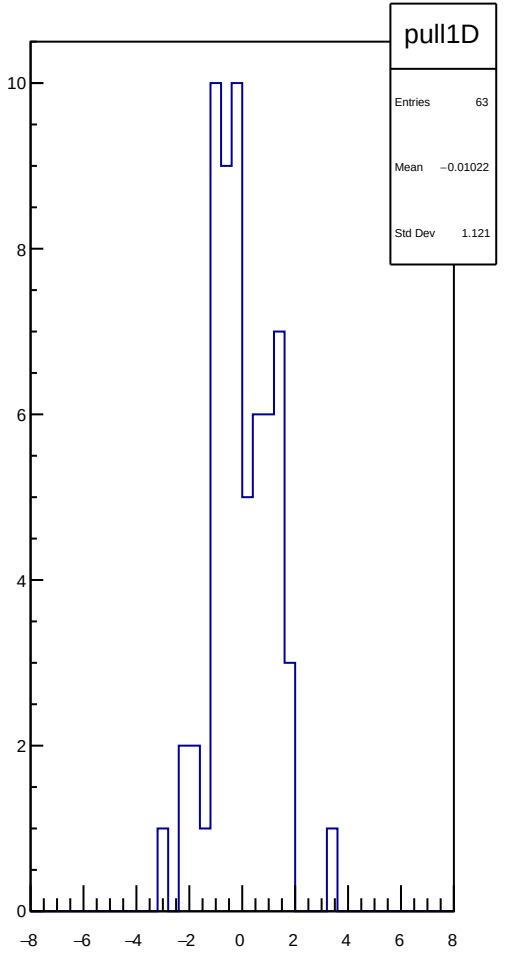

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.609e+04 / 62
p0 1118 ± 1.023
4500
4000
3500
3000
2500
2000
1500
1000

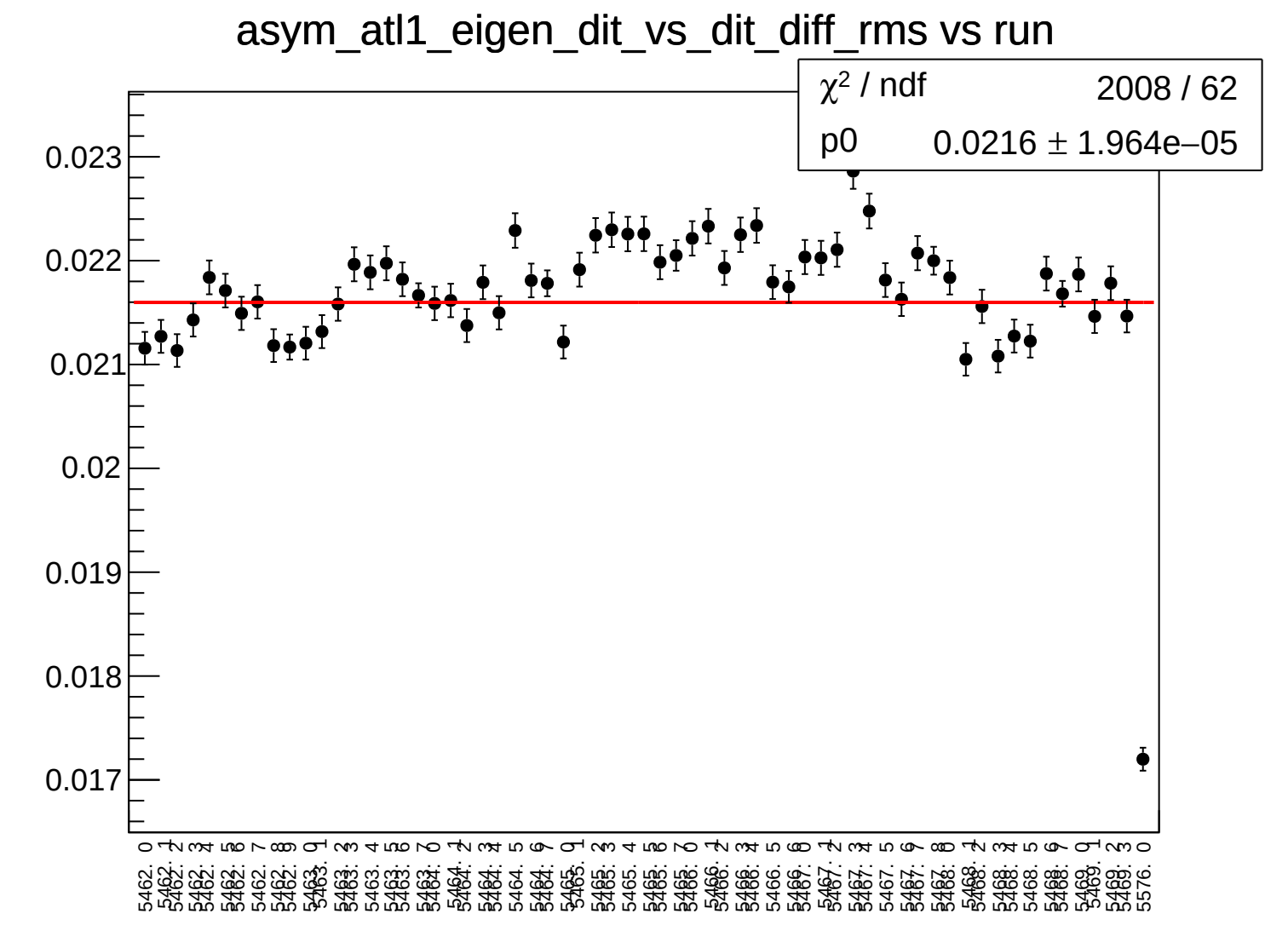

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.73 / 62
p0 −0.4383 ± 1.446
pull
Entries 63
Mean −2600
Std Dev 0

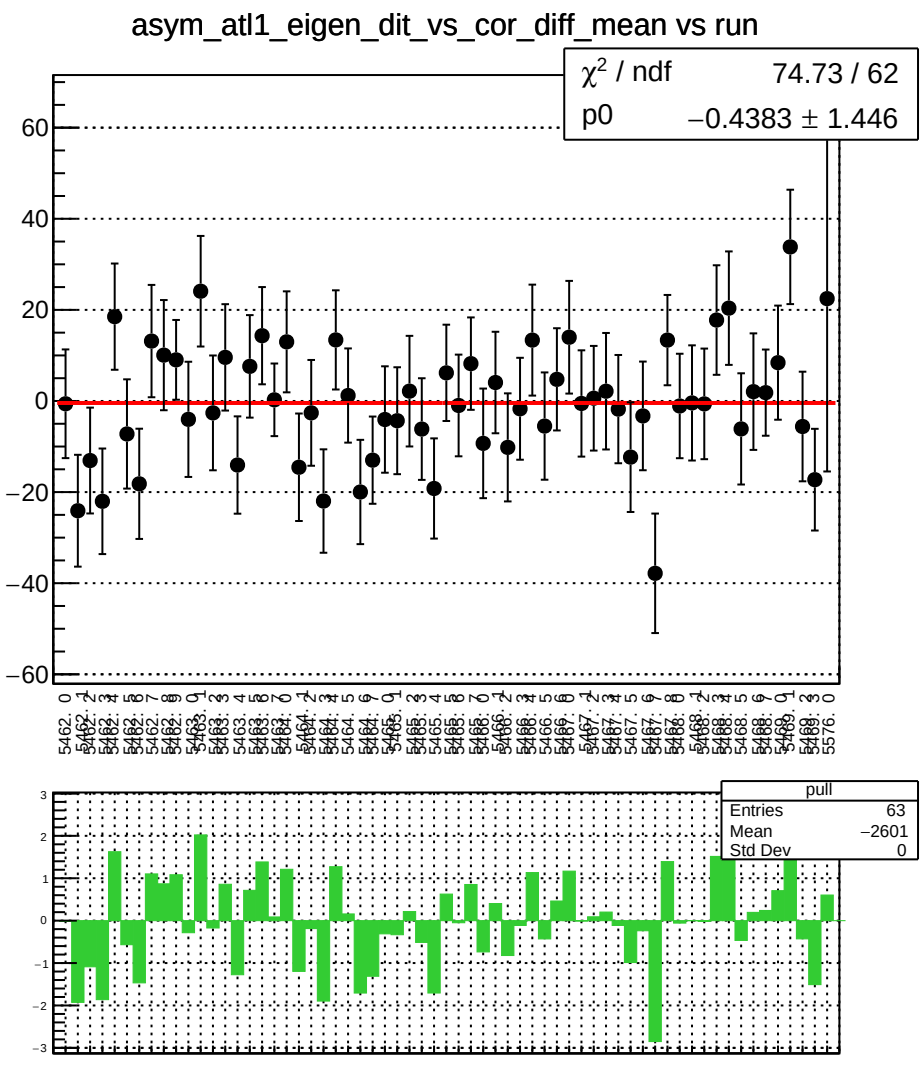

pull1D
Entries 63
Mean −0.0009408
Std Dev 1.089

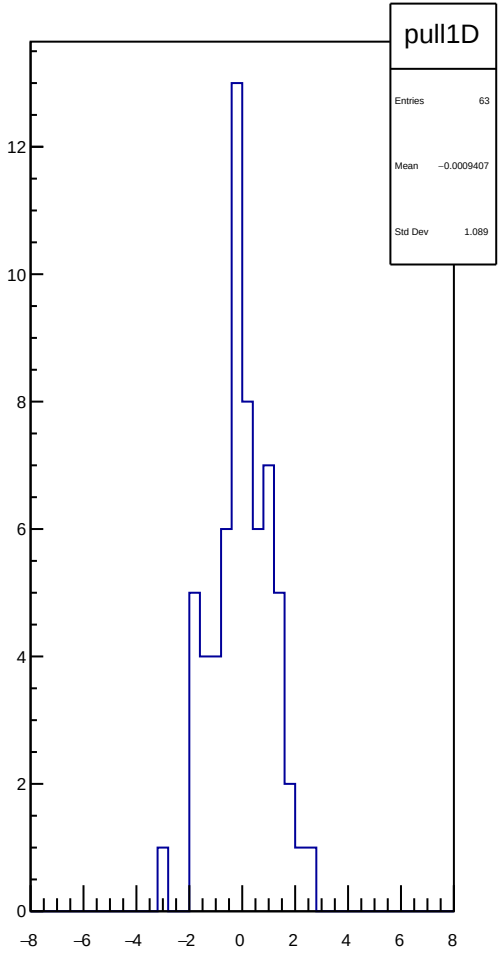

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.609e+04 / 62
p0 1118 ± 1.023
4500
4000
3500
3000
2500
2000
1500
1000

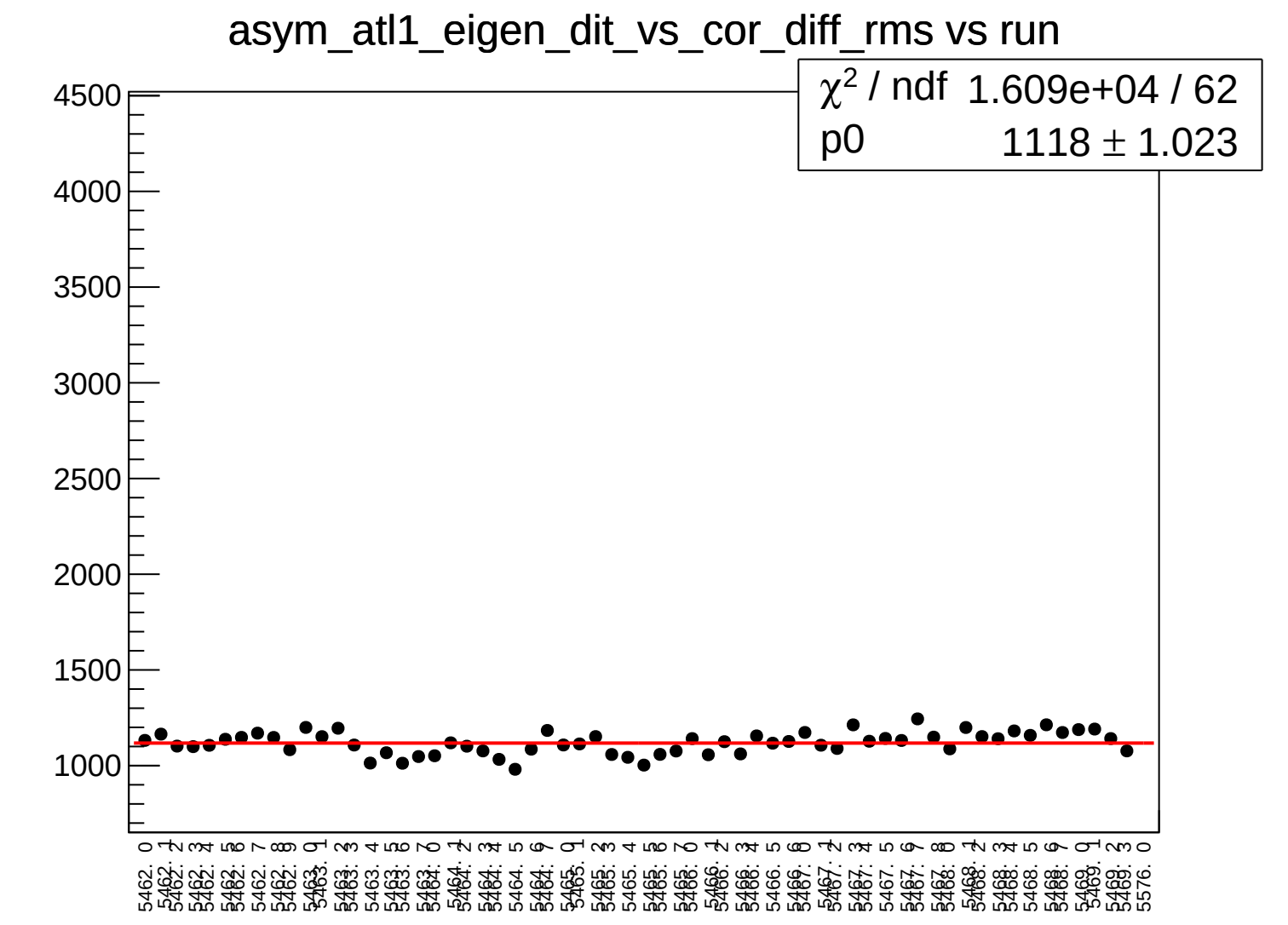

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 79.12 / 62
p0 −5.618e−06 ± 2.778e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 63
Mean 123
Std Dev 0

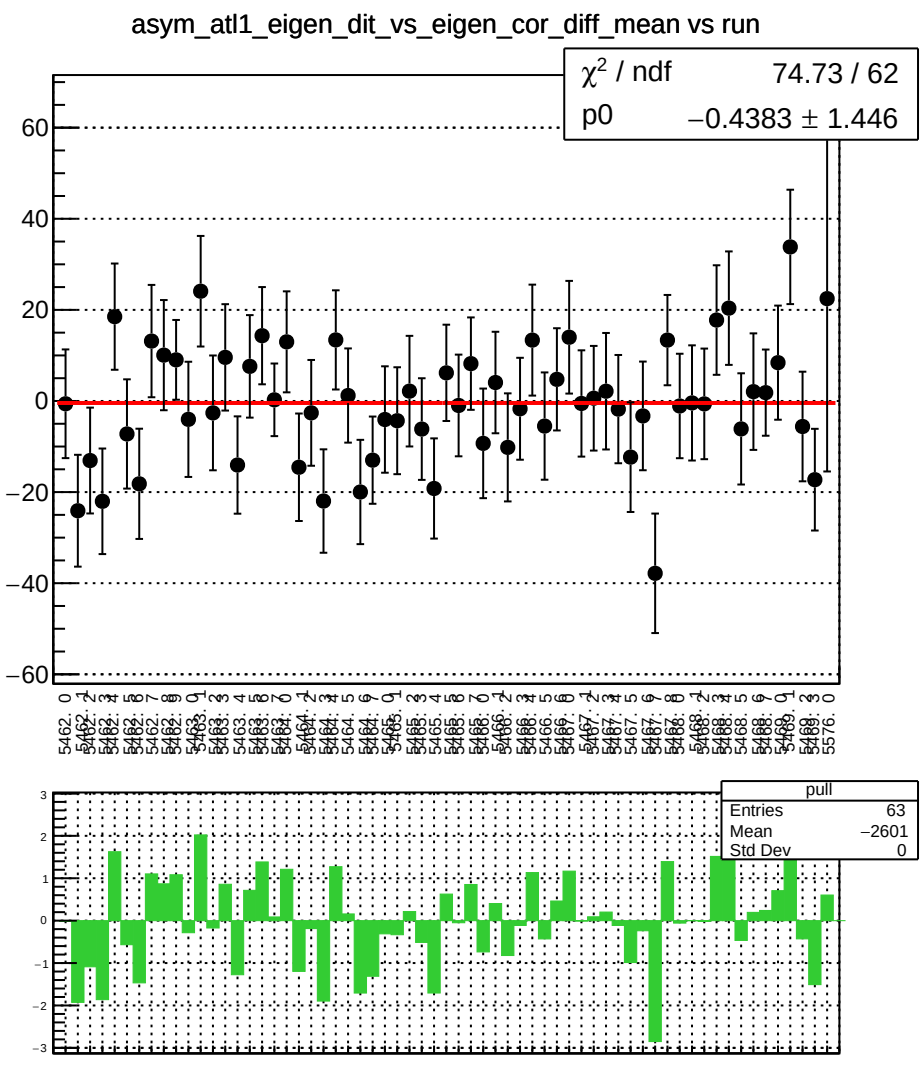

pull1D
Entries 63
Mean −0.01022
Std Dev 1.121

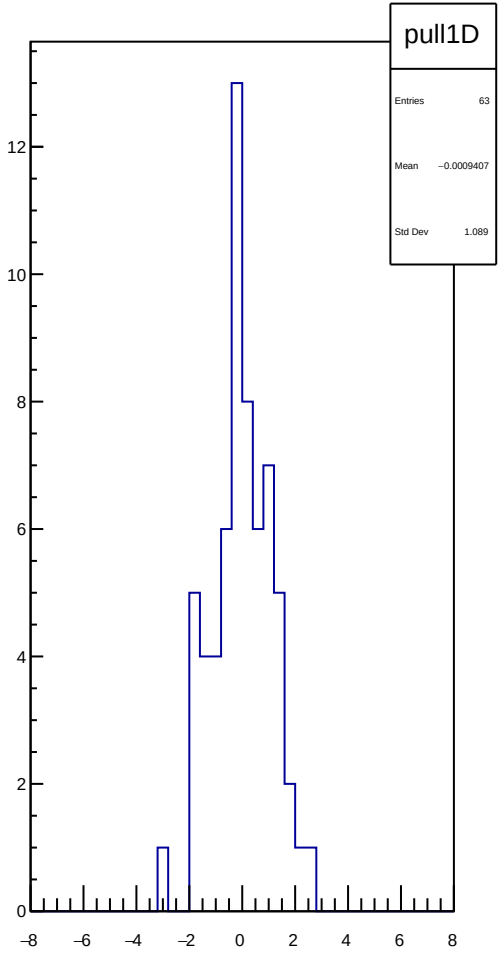

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2008 / 62
p0 0.0216 ± 1.964e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

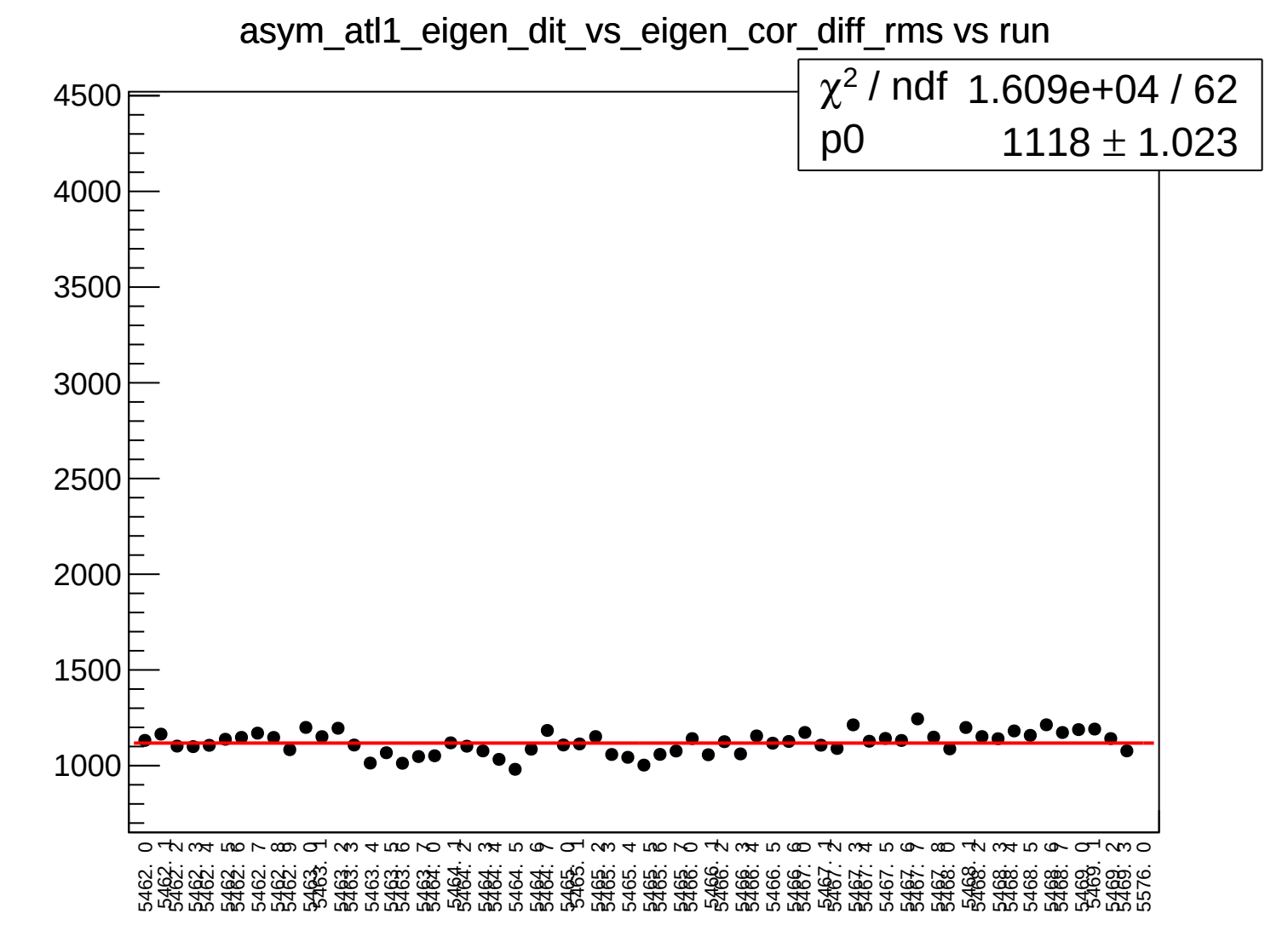

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.73 / 62
p0 −0.4383 ± 1.446
pull
Entries 63
Mean −2601
Std Dev 0

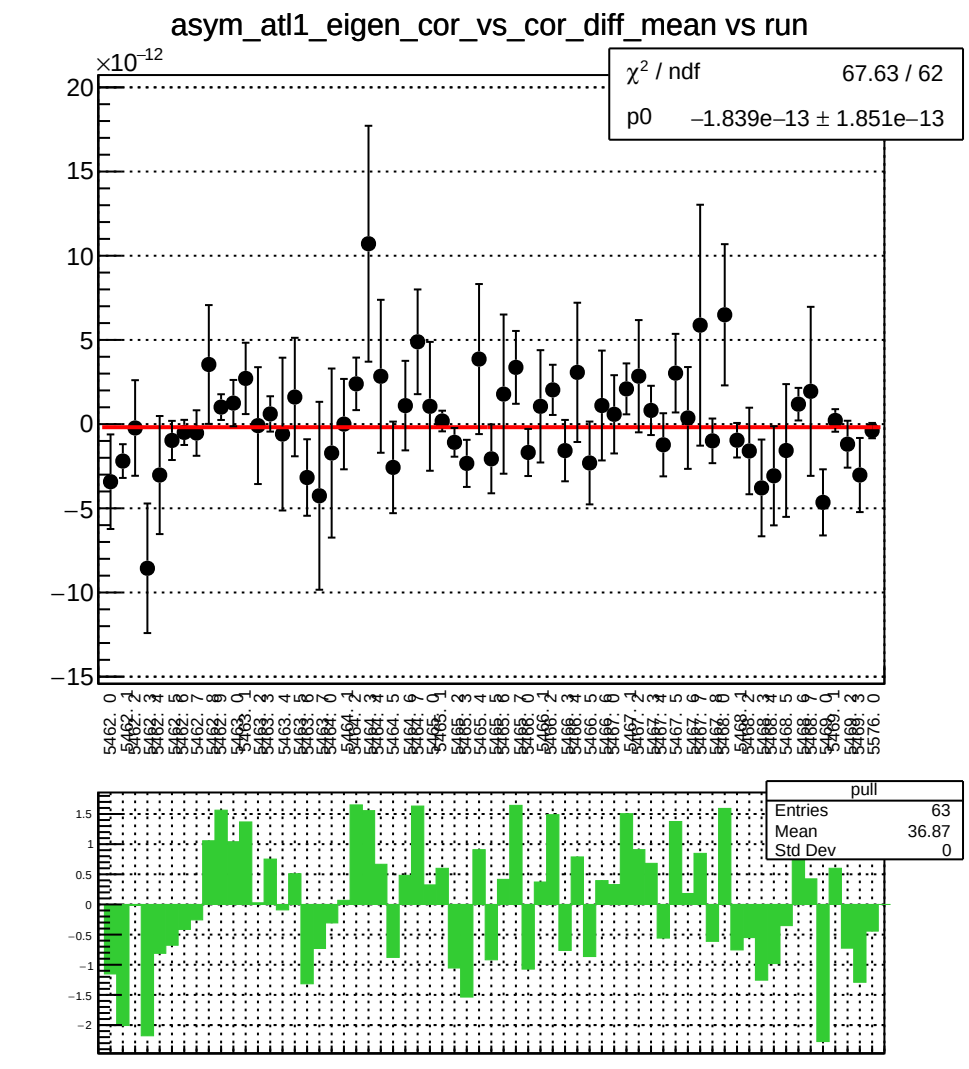

pull1D
Entries 63
Mean −0.0009407
Std Dev 1.089

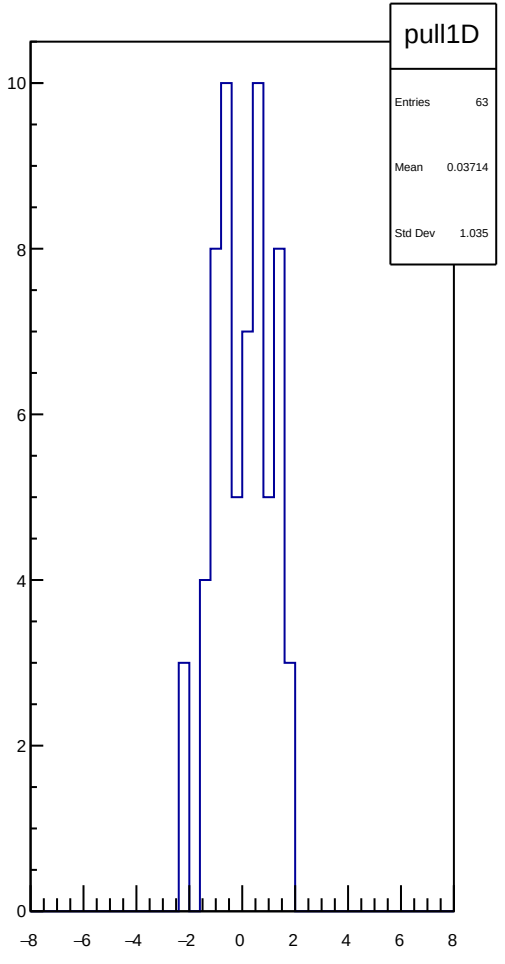

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.609e+04 / 62
p0 1118 ± 1.023
4500
4000
3500
3000
2500
2000
1500
1000

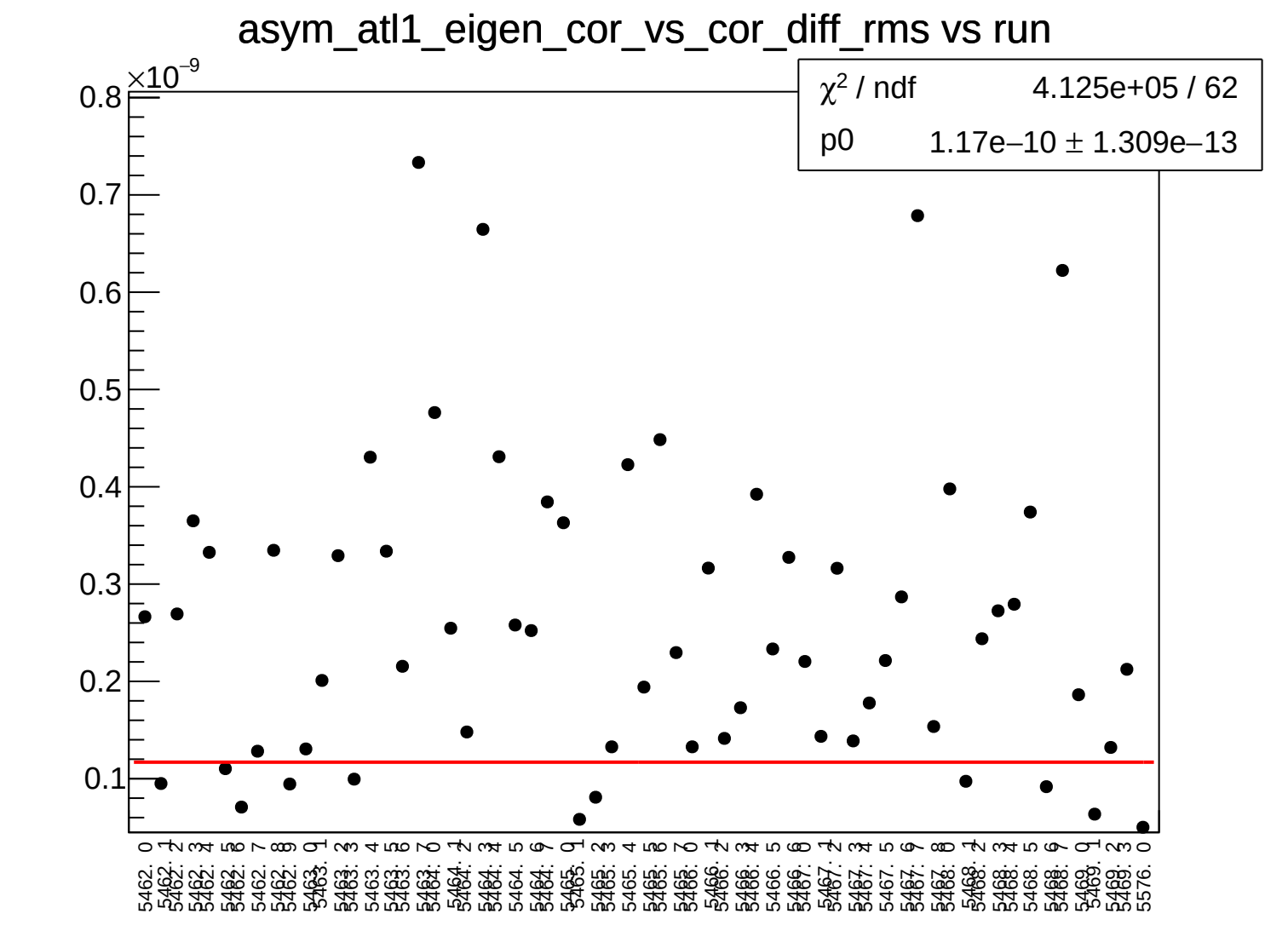

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.73 / 62
p0 −0.4383 ± 1.446
pull
Entries 63
Mean −2601
Std Dev 0

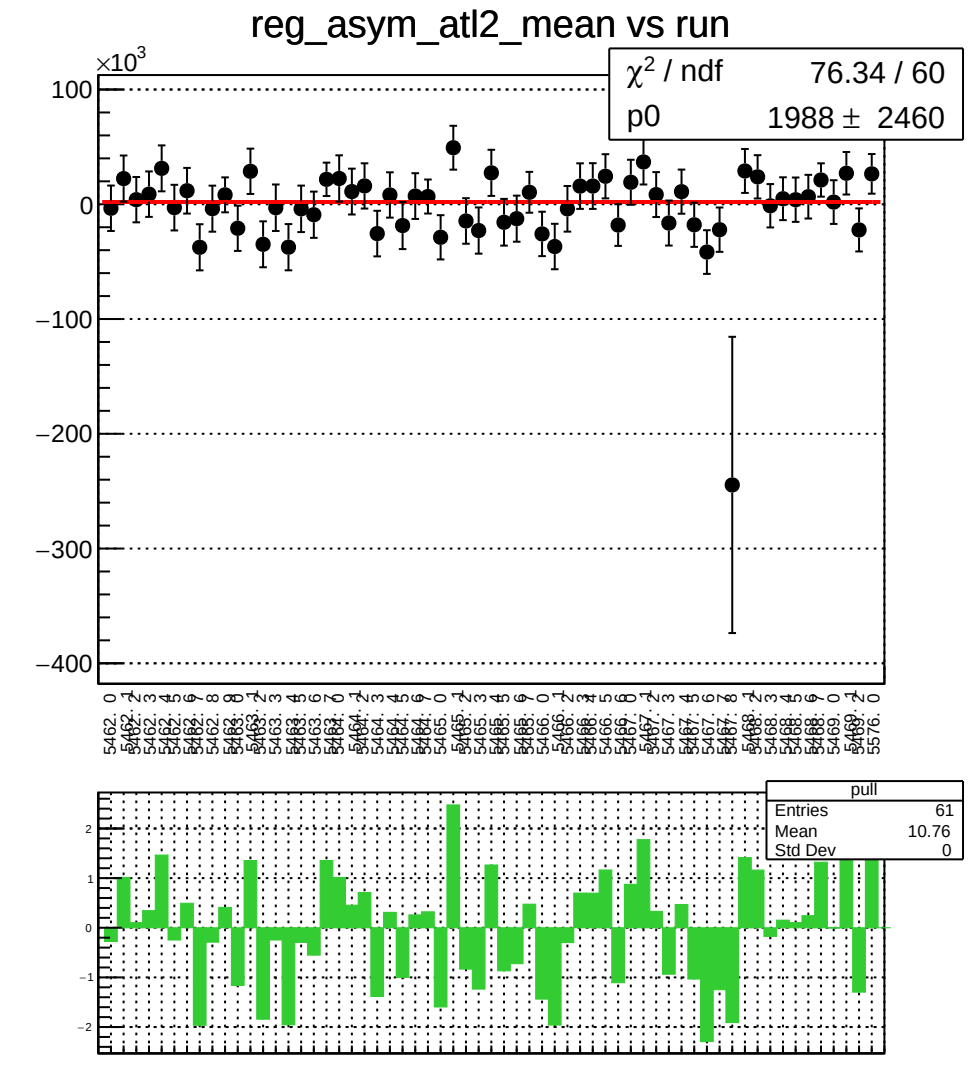

pull1D
Entries 63
Mean −0.0009407
Std Dev 1.089

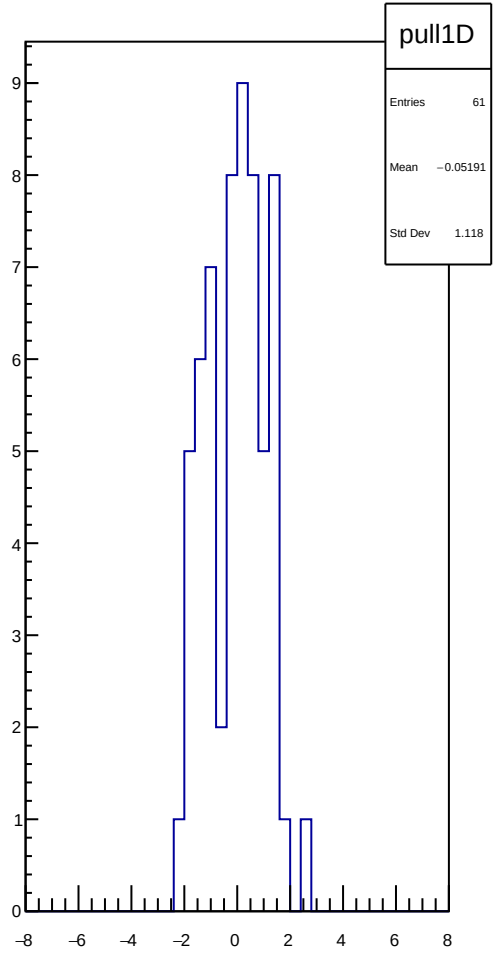

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.609e+04 / 62
p0 1118 ± 1.023
4500
4000
3500
3000
2500
2000
1500
1000

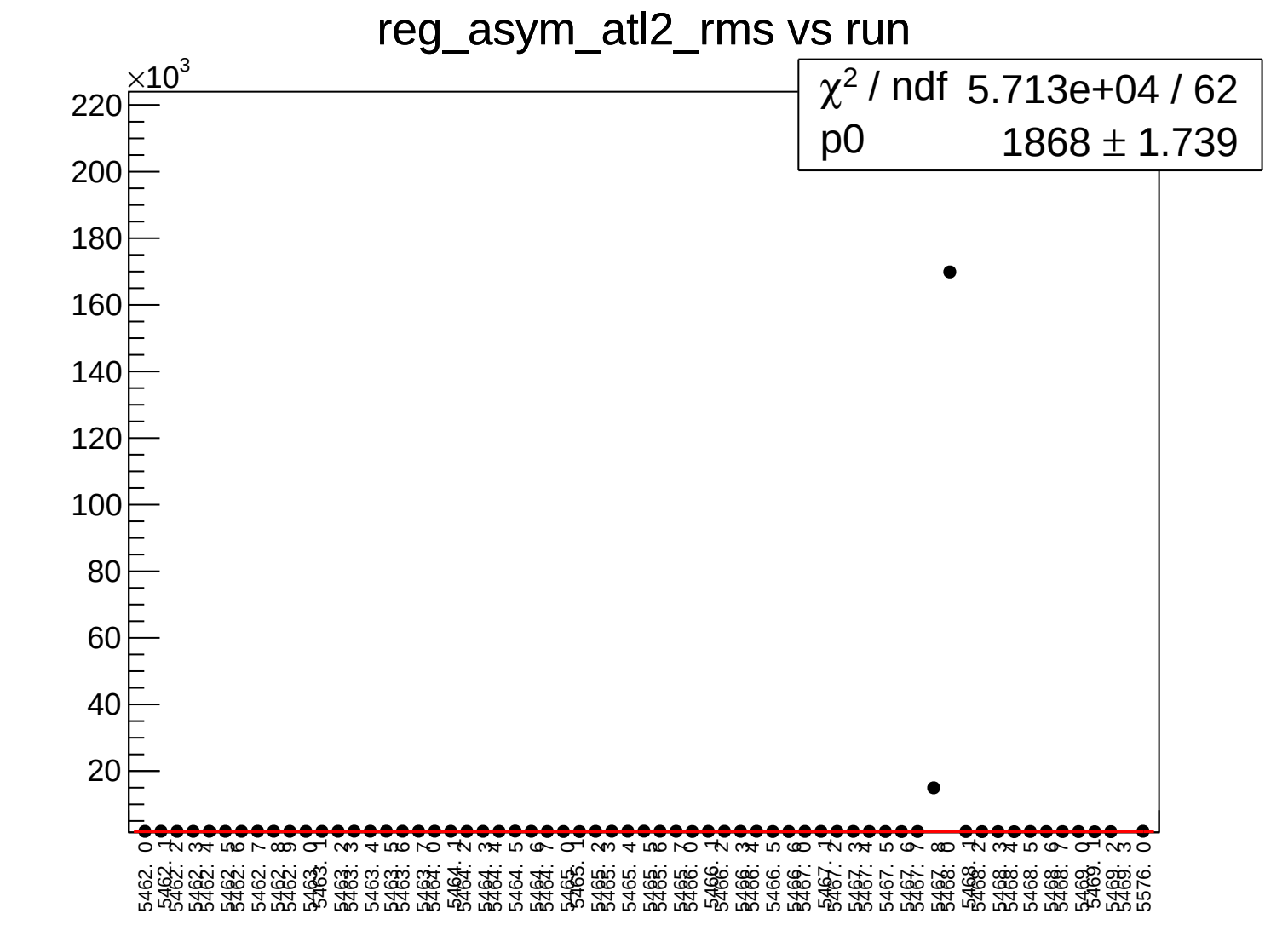

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.63 / 62
p0 −1.839e−13 ± 1.851e−13
pull
Entries 63
Mean 36.87
Std Dev 0

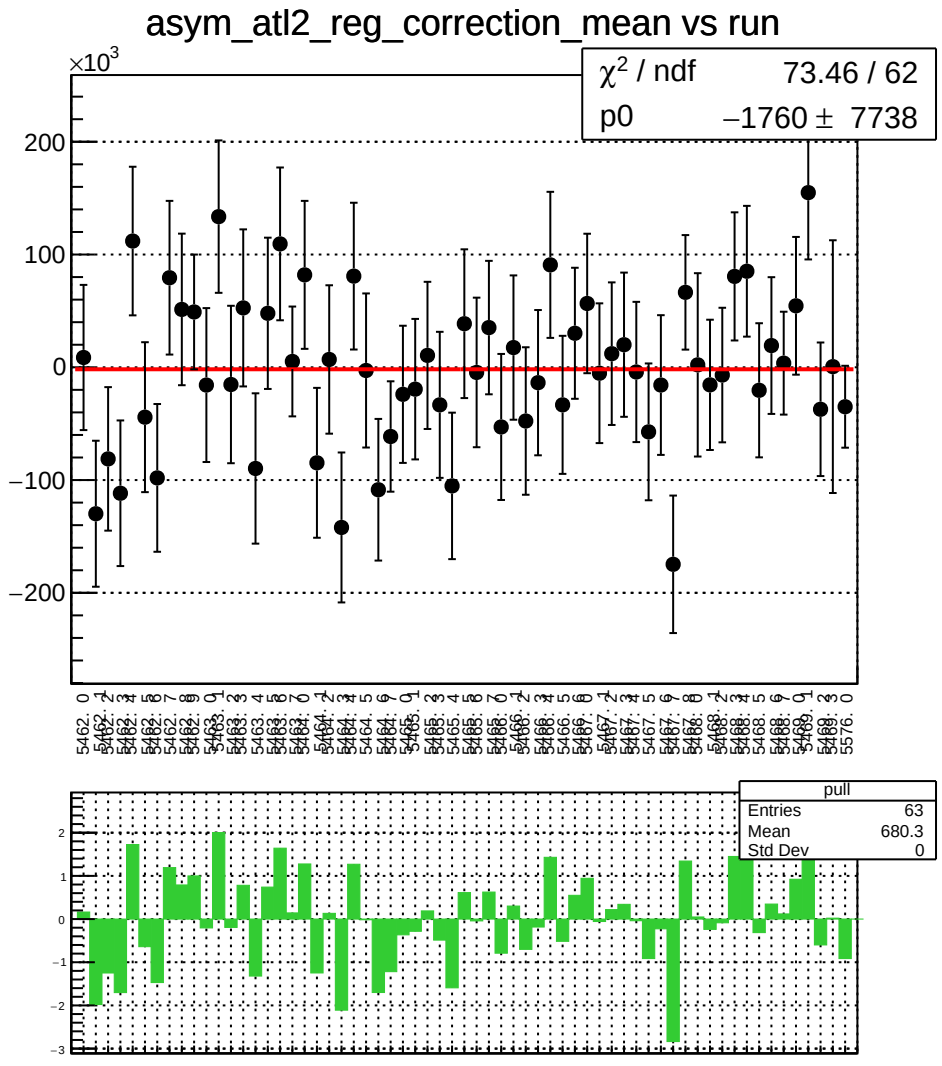

pull1D
Entries 63
Mean 0.03714
Std Dev 1.035

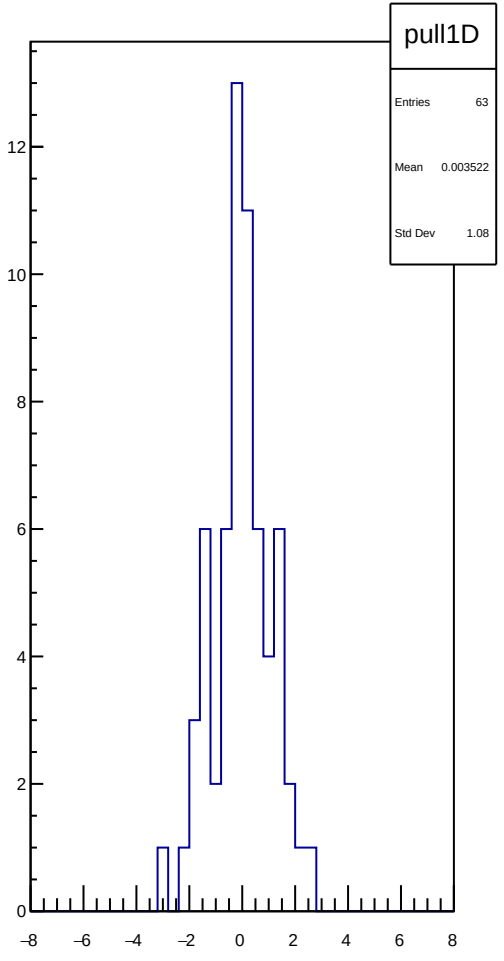

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
χ² / ndf 4.125e+05 / 62
p0 1.17e−10 ± 1.309e−13

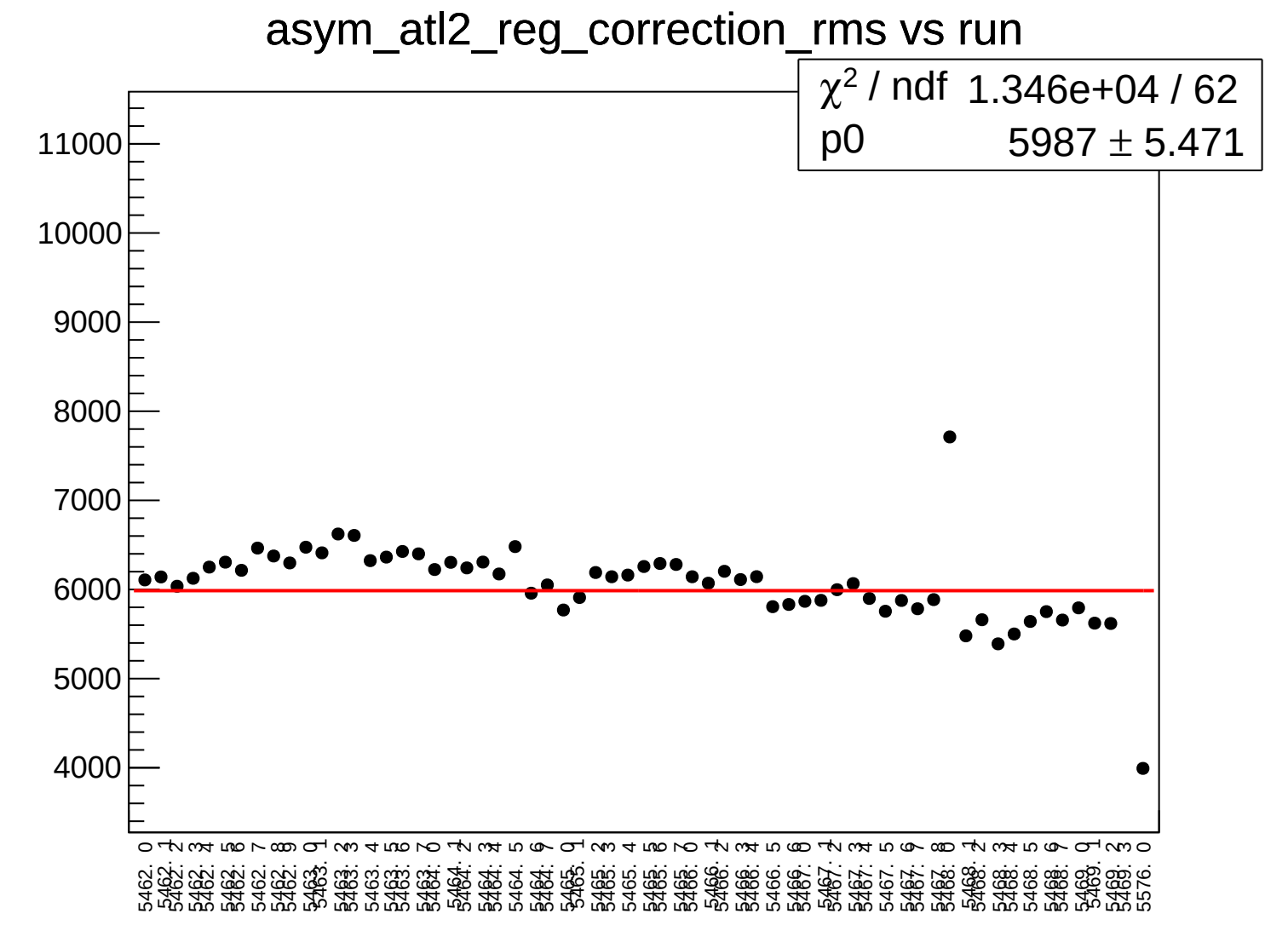

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 76.34 / 60
p0 1988 ± 2460
pull
Entries 61
Mean 10.76
Std Dev 0

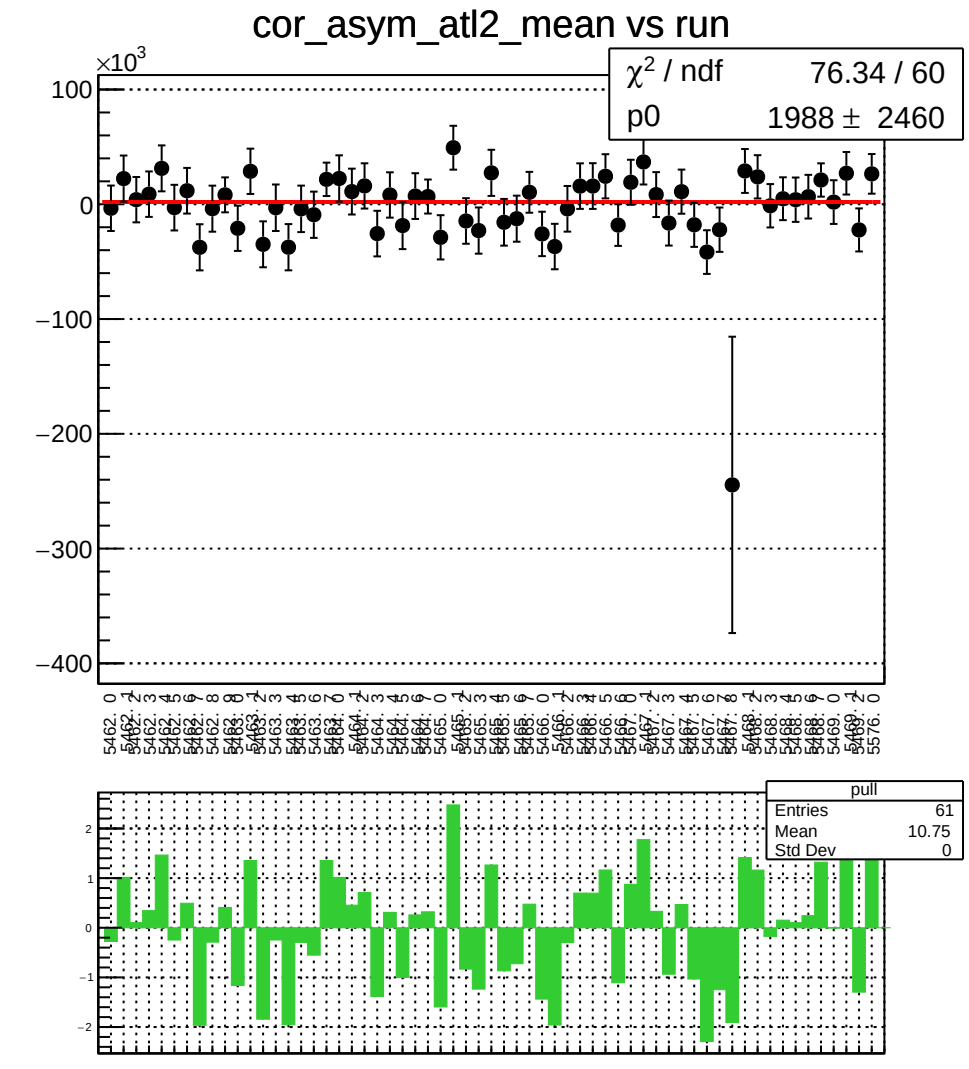

pull1D
Entries 61
Mean −0.05191
Std Dev 1.118

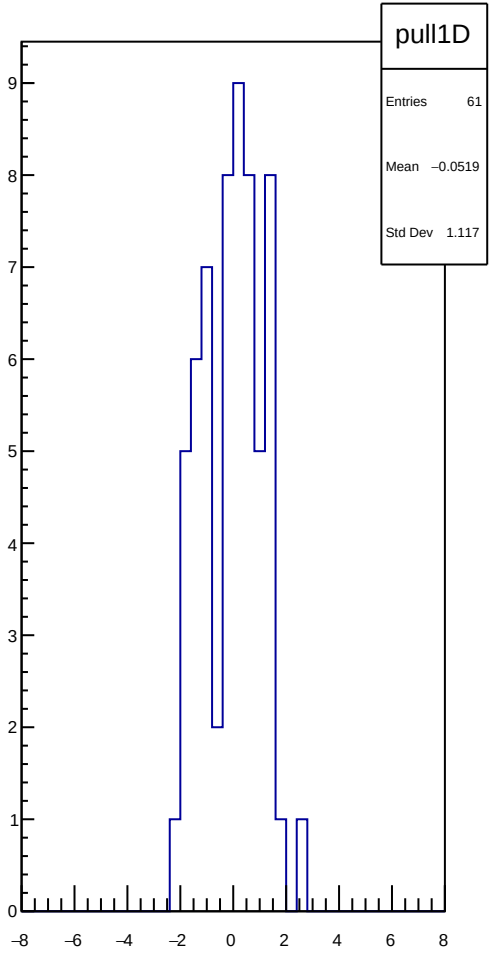

reg_asym_atl2_rms vs run
×10^3
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 5.713e+04 / 62
p0 1868 ± 1.739
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 9
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

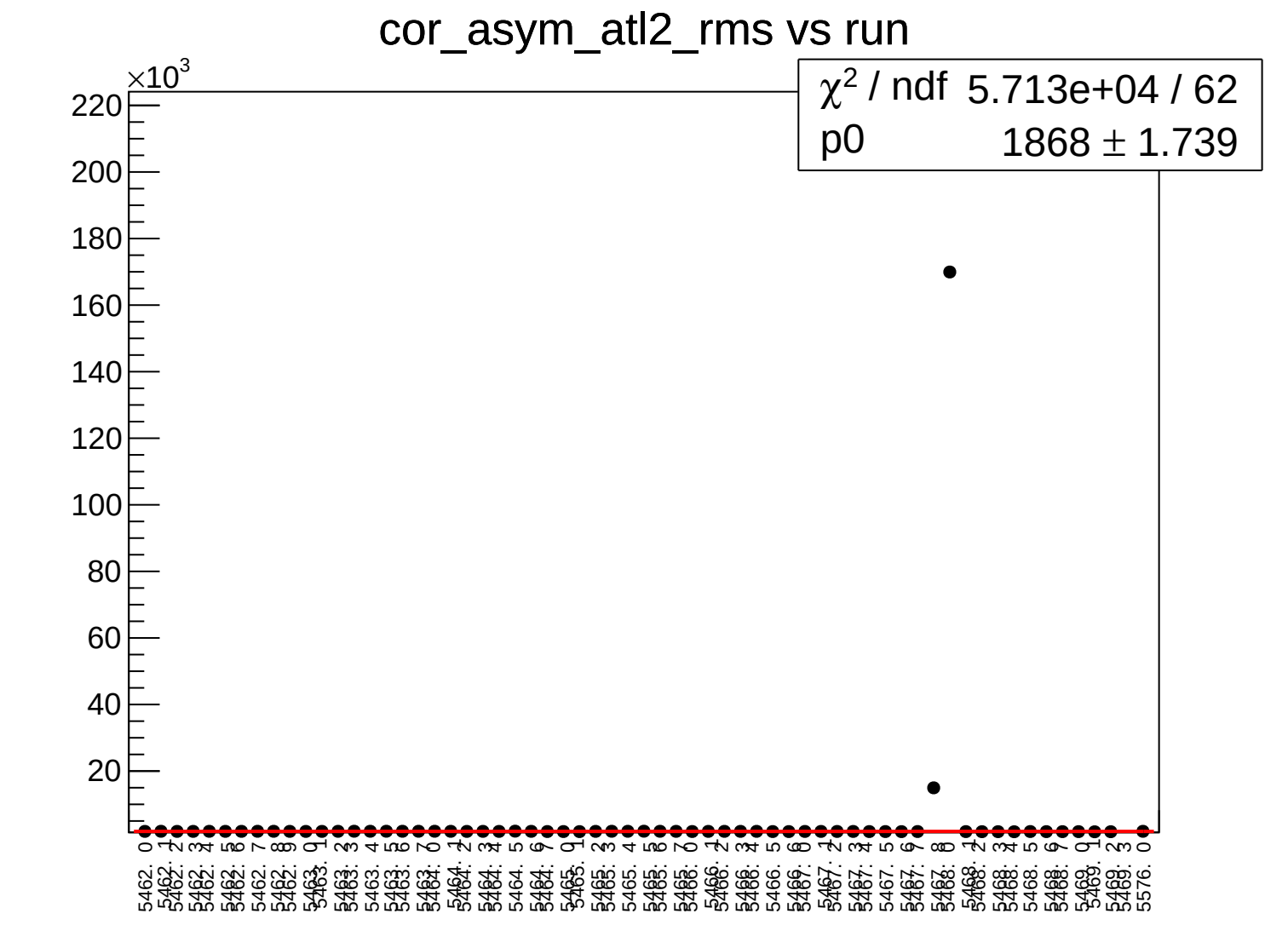

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 73.46 / 62
p0 −1760 ± 7738
200
100
0
−100
−200
pull
Entries 63
Mean 680.3
Std Dev 0
2
1
0
−1
−2
−3

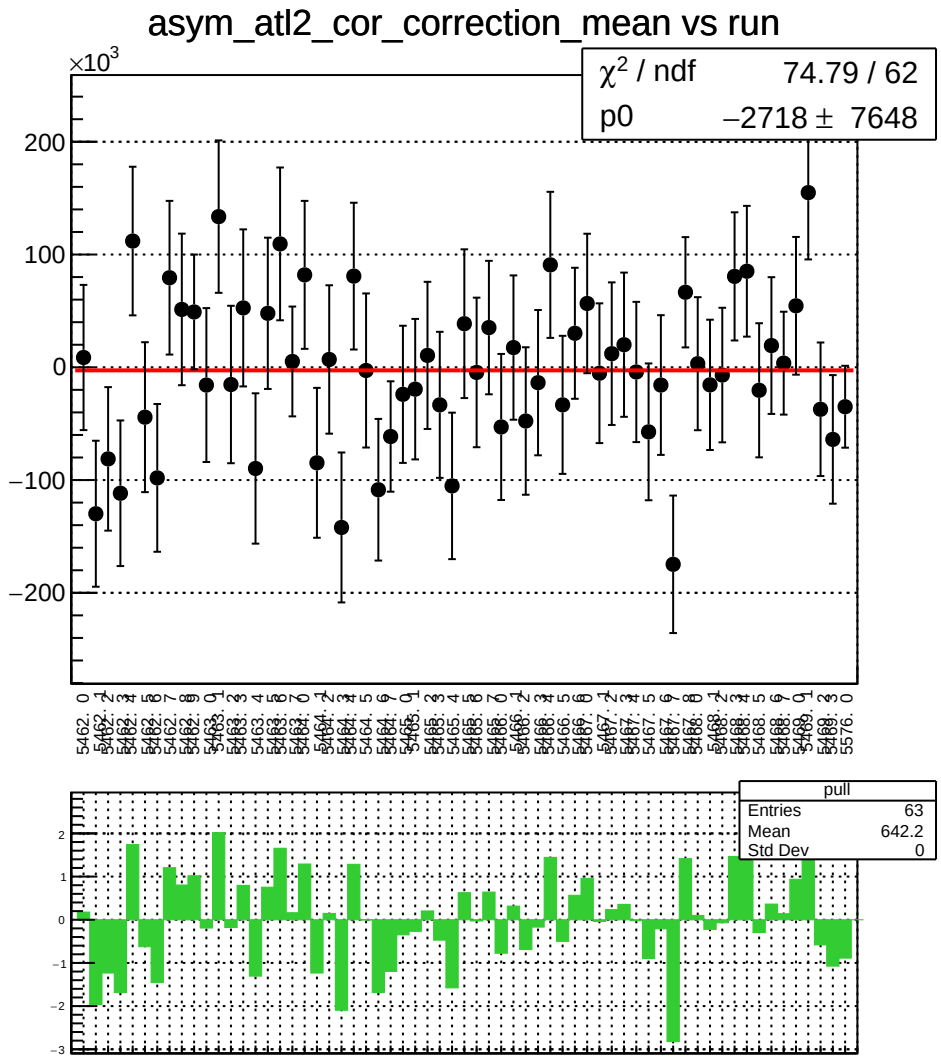

pull1D
Entries 63
Mean 0.003522
Std Dev 1.08
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

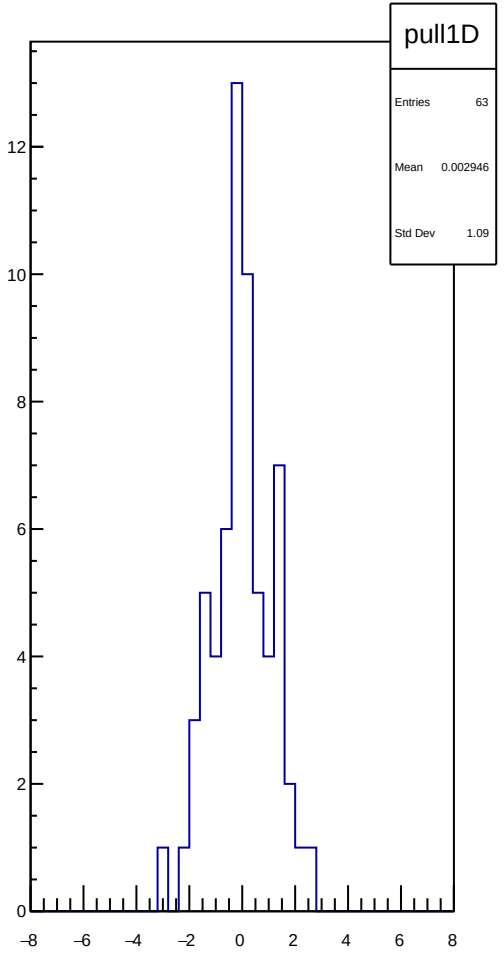

asym_atl2_reg_correction_rms vs run
χ² / ndf 1.346e+04 / 62
p0 5987 ± 5.471
11000
10000
9000
8000
7000
6000
5000
4000

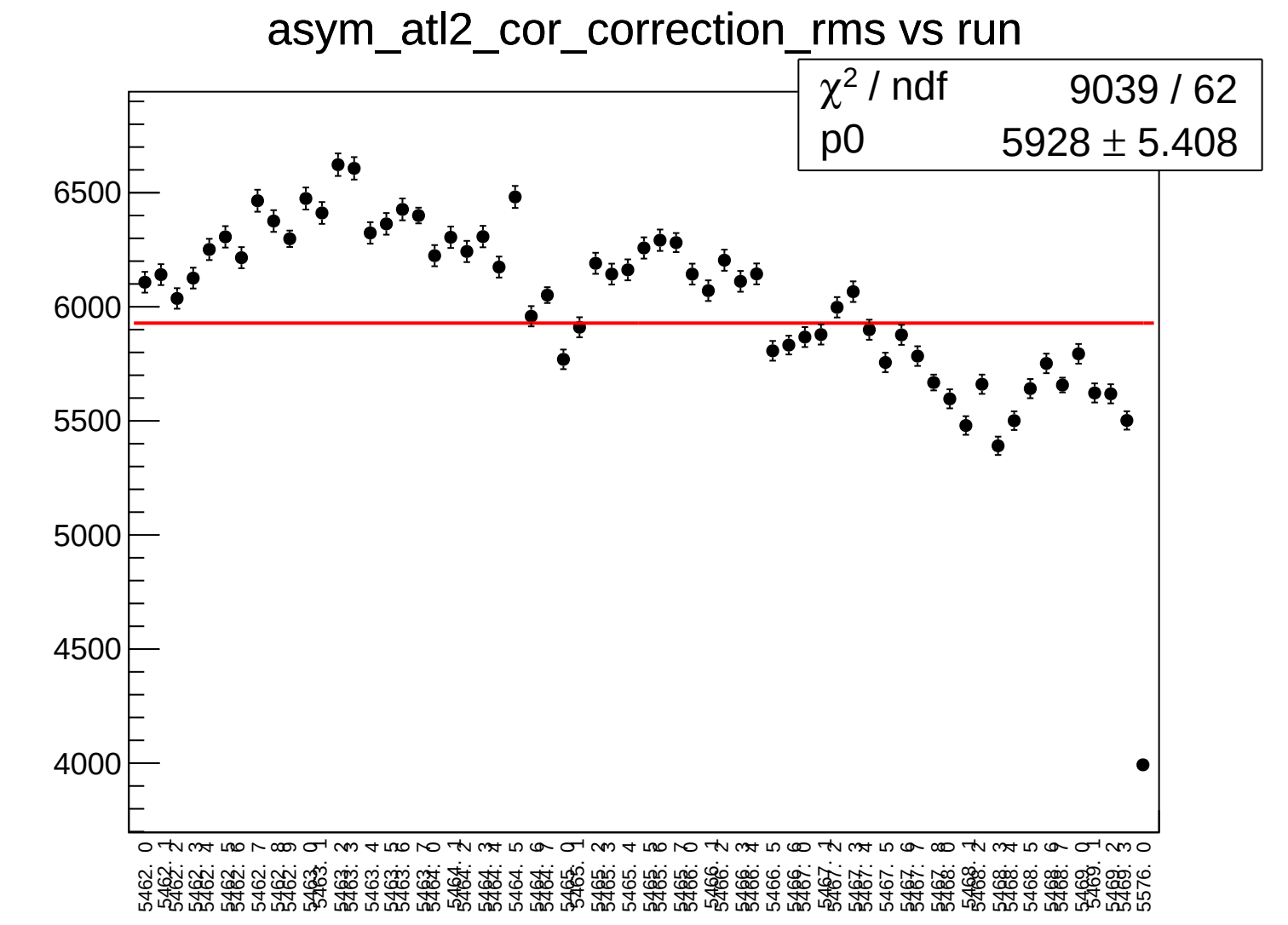

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 76.34 / 60
p0 1988 ± 2460
pull
Entries 61
Mean 10.75
Std Dev 0

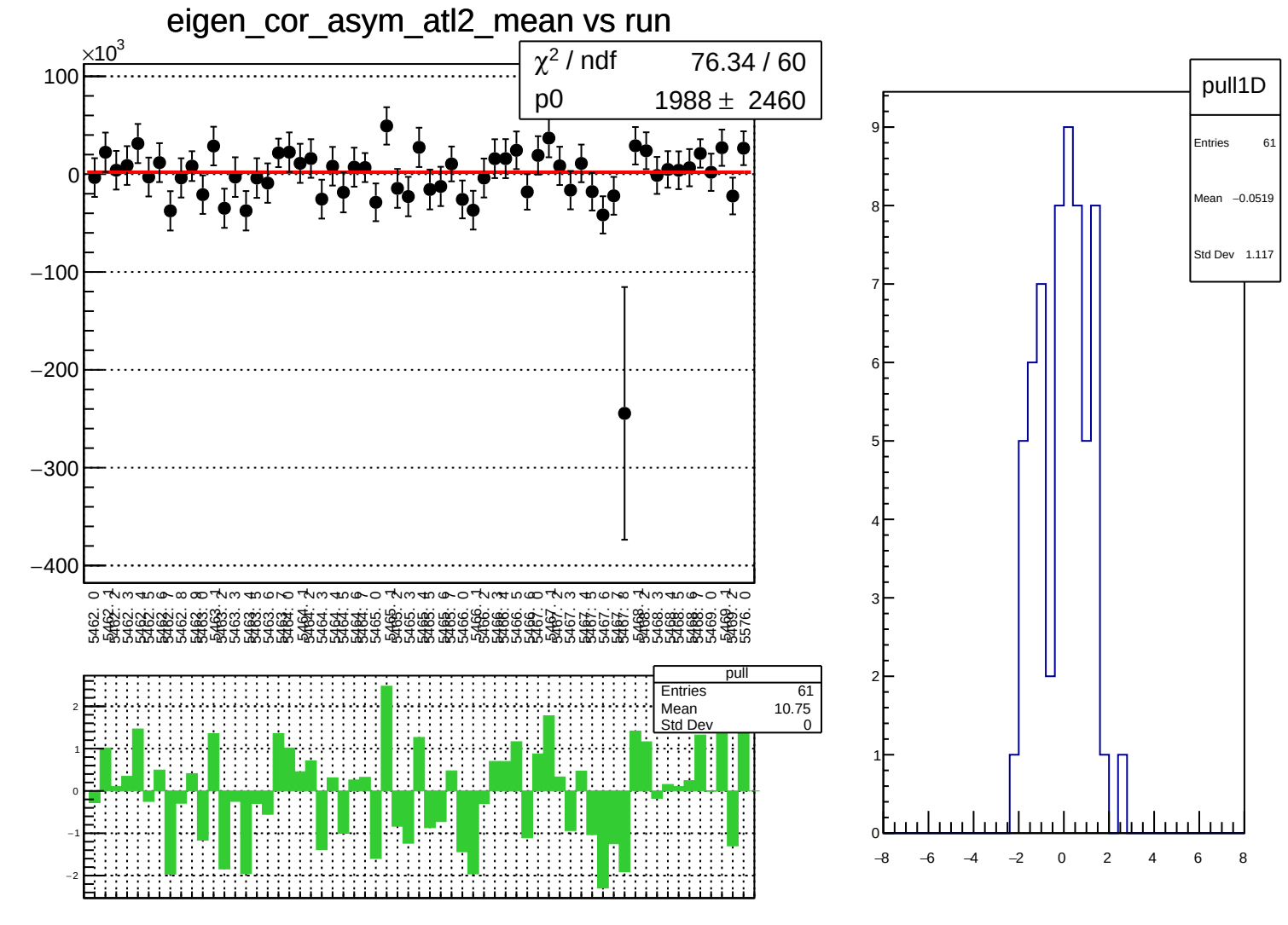

pull1D
Entries 61
Mean −0.0519
Std Dev 1.117

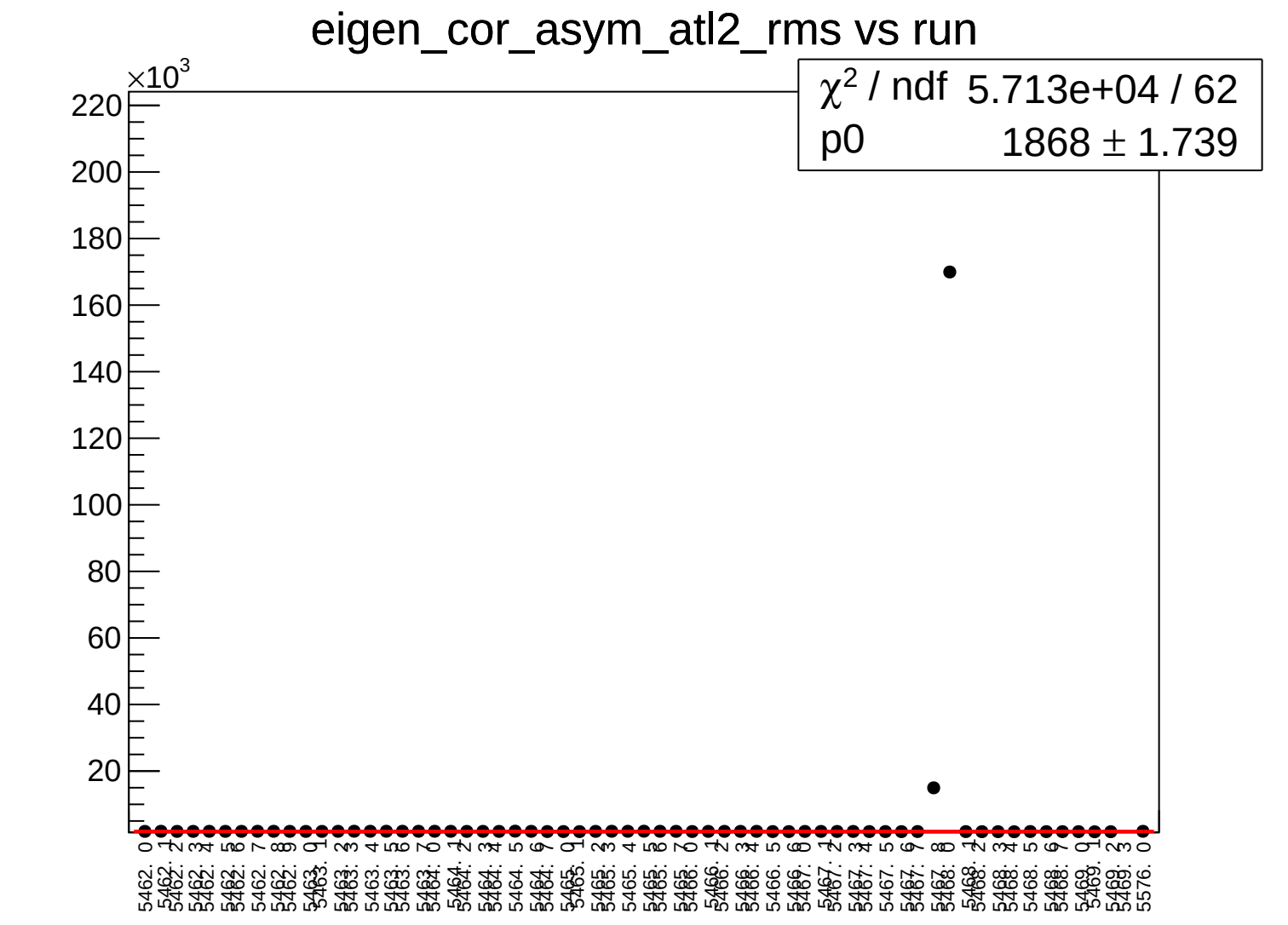

cor_asym_atl2_rms vs run
×10^3
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 5.713e+04 / 62
p0 1868 ± 1.739

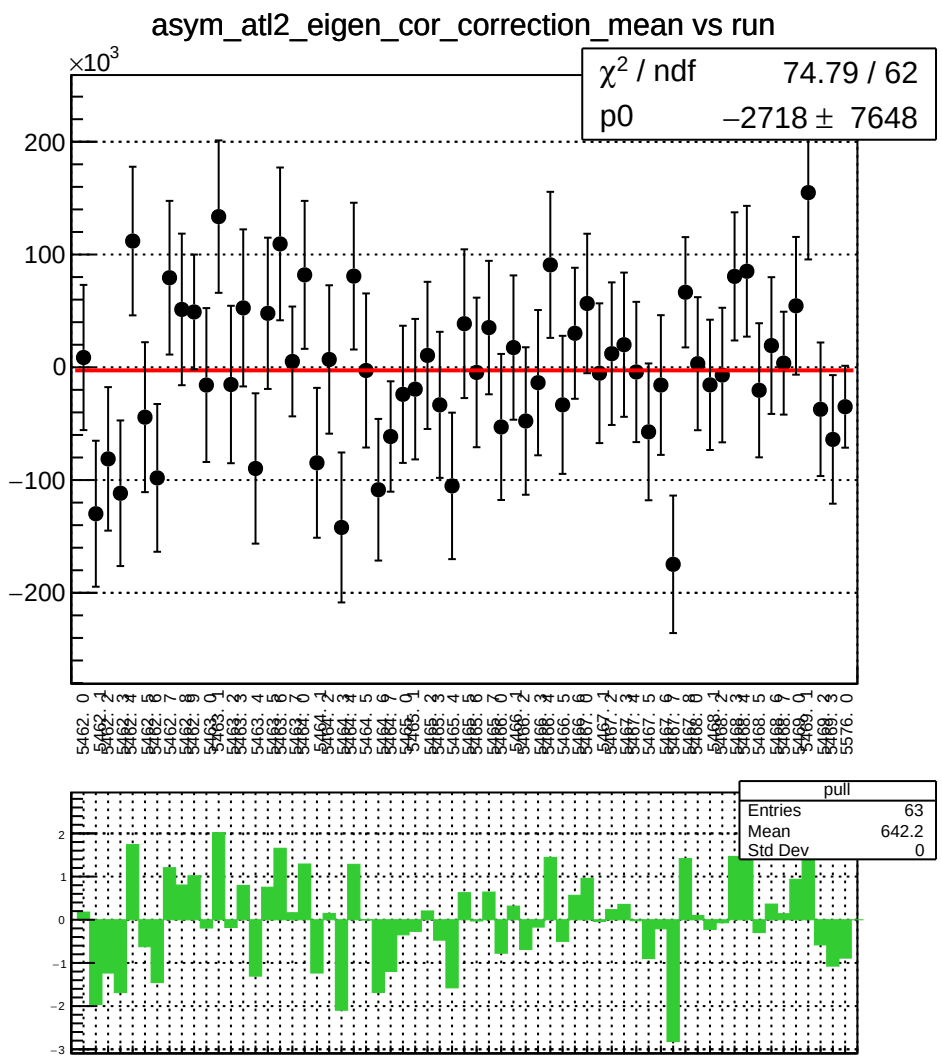

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 74.79 / 62
p0 −2718 ± 7648
200
100
0
−100
−200
pull
Entries 63
Mean 642.2
Std Dev 0
2
1
0
−1
−2
−3

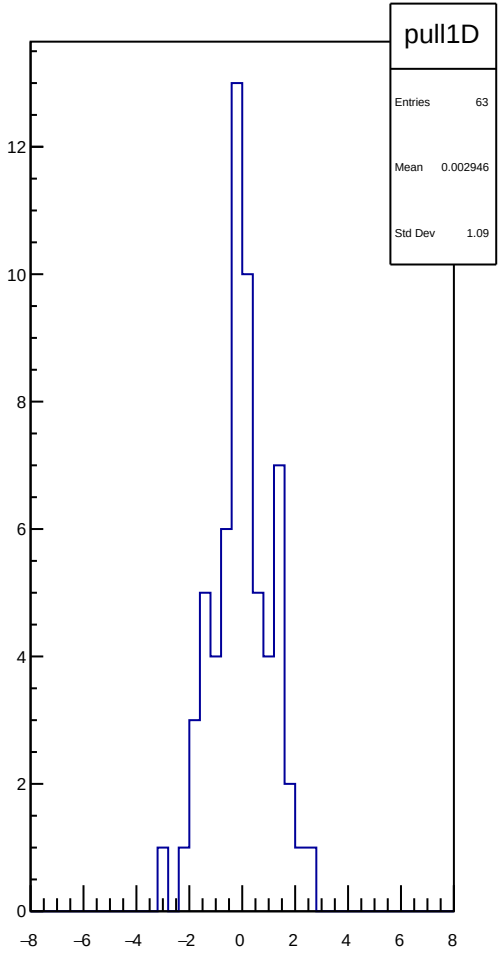

pull1D
Entries 63
Mean 0.002946
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

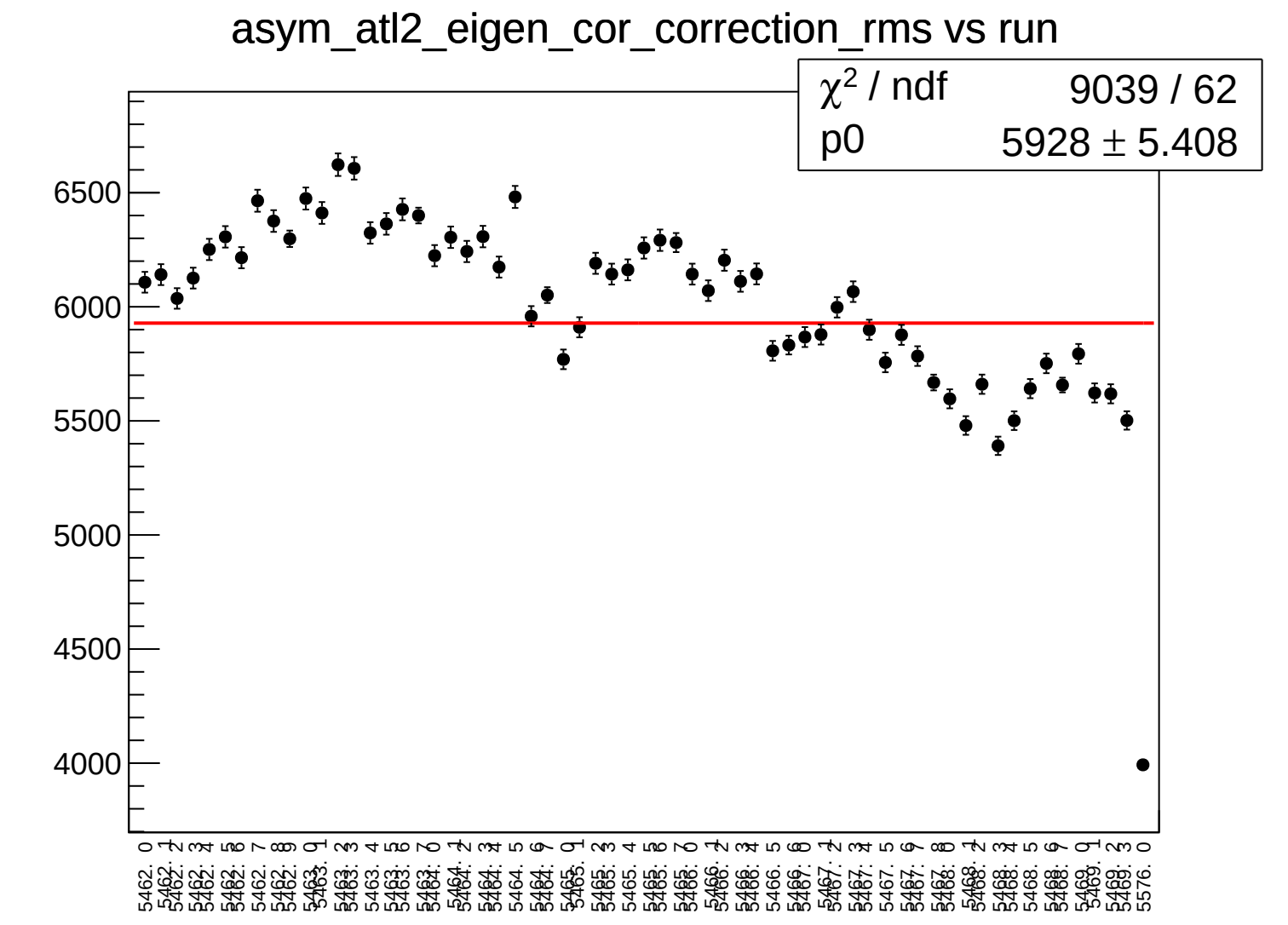

asym_atl2_cor_correction_rms vs run
χ² / ndf 9039 / 62
p0 5928 ± 5.408
6500
6000
5500
5000
4500
4000

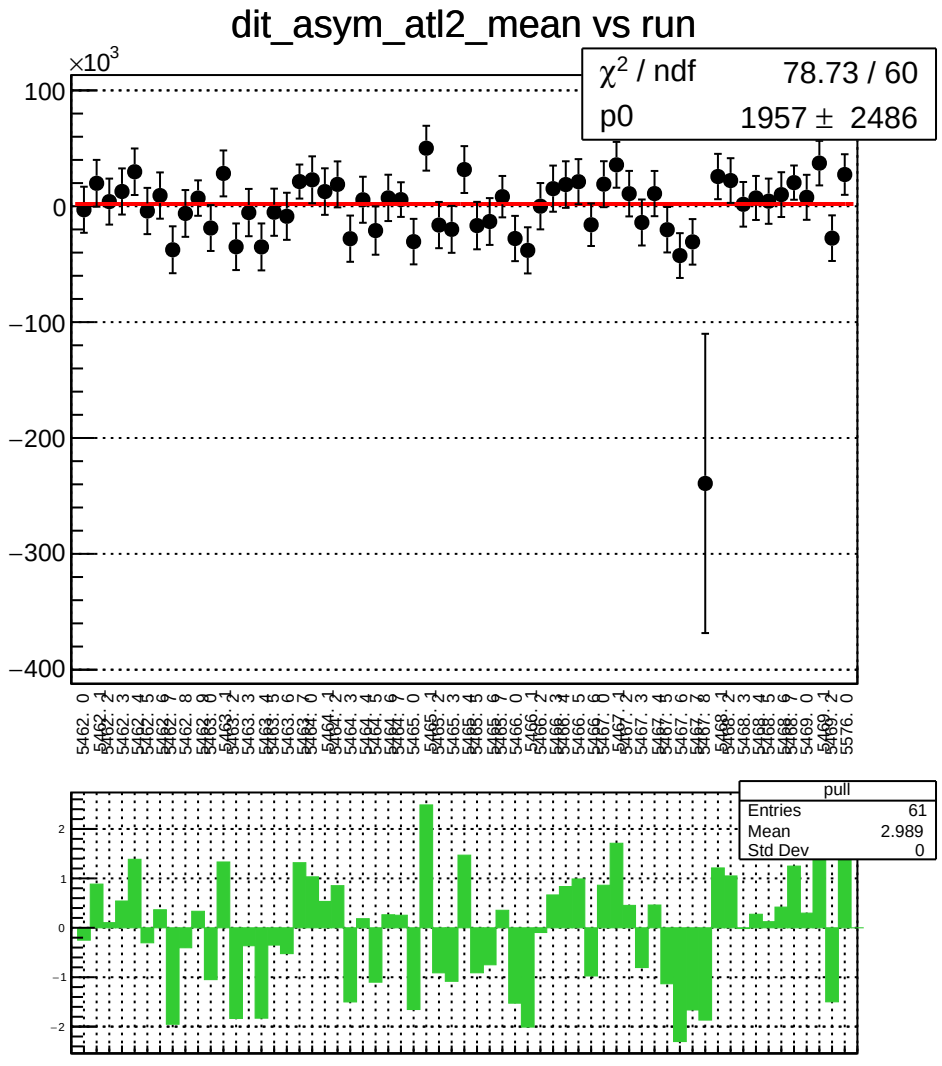

eigen_cor_asym_atl2_mean vs run
χ² / ndf 76.34 / 60
p0 1988 ± 2460
×10³
pull
Entries 61
Mean 10.75
Std Dev 0
pull1D
Entries 61
Mean −0.0519
Std Dev 1.117

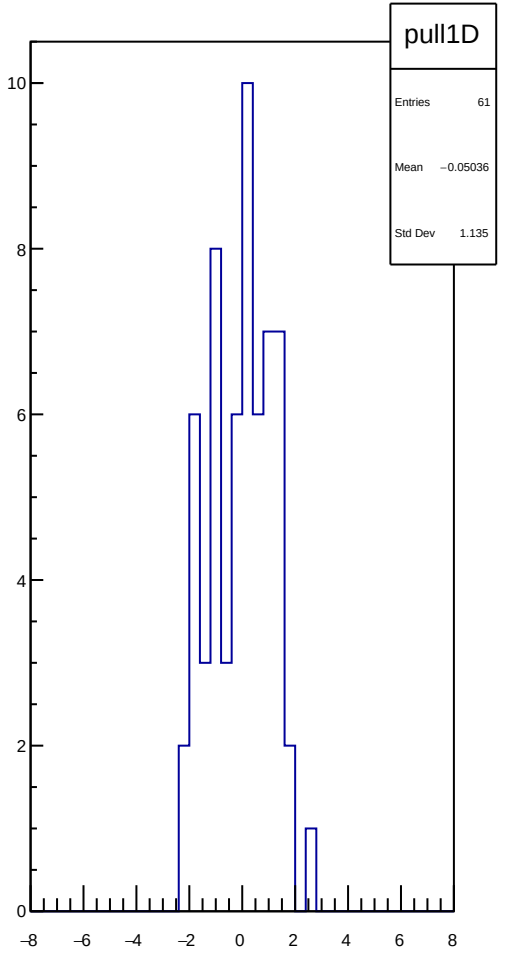

eigen_cor_asym_atl2_rms vs run
×10^3
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 5.713e+04 / 62
p0 1868 ± 1.739

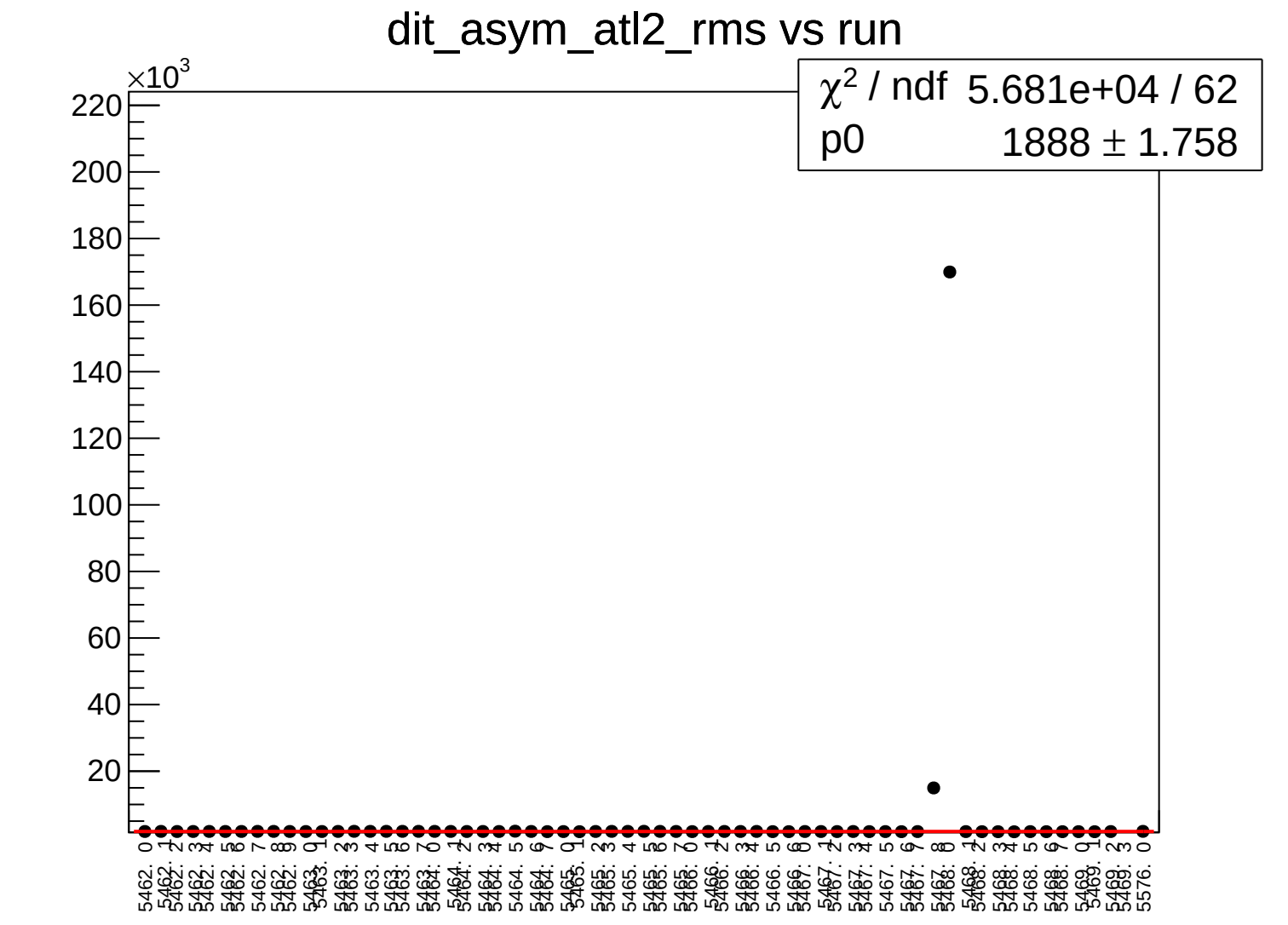

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 74.79 / 62
p0 −2718 ± 7648
200
100
0
−100
−200
pull
Entries 63
Mean 642.2
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 63
Mean 0.002946
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 9039 / 62
p0 5928 ± 5.408
6500
6000
5500
5000
4500
4000


dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 78.73 / 60
p0 1957 ± 2486
pull
Entries 61
Mean 2.989
Std Dev 0


pull1D
Entries 61
Mean −0.05036
Std Dev 1.135


dit_asym_atl2_rms vs run
×10^3
χ^2 / ndf 5.681e+04 / 62
p0 1888 ± 1.758
220
200
180
160
140
120
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5464. 9
5465. 0
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5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
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5467. 0
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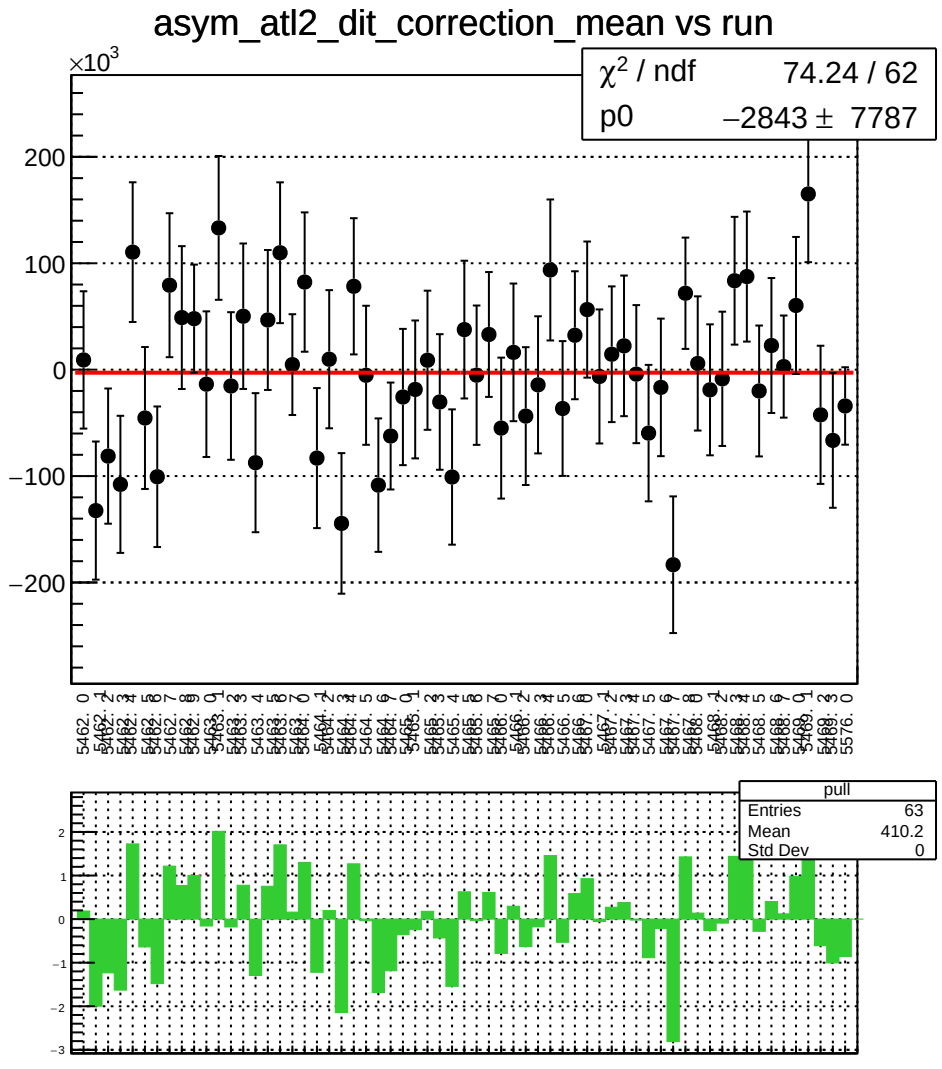
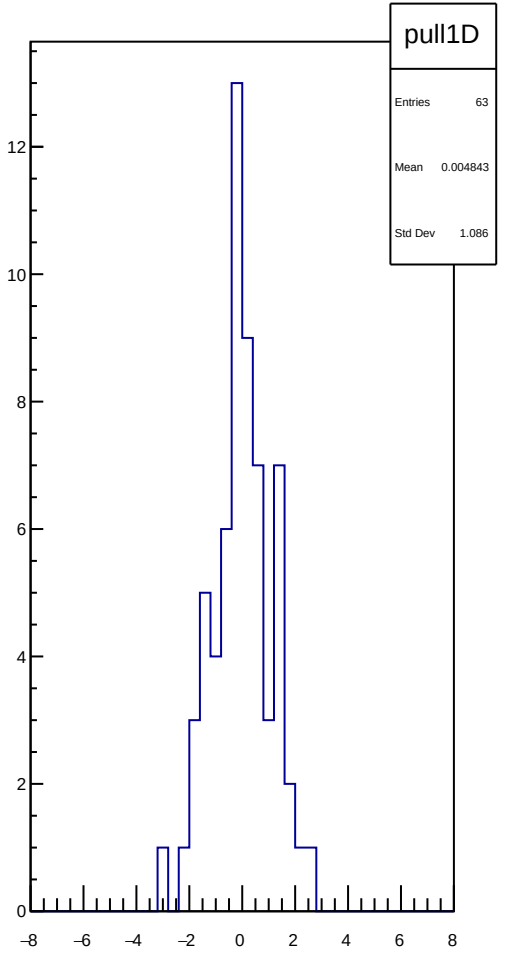
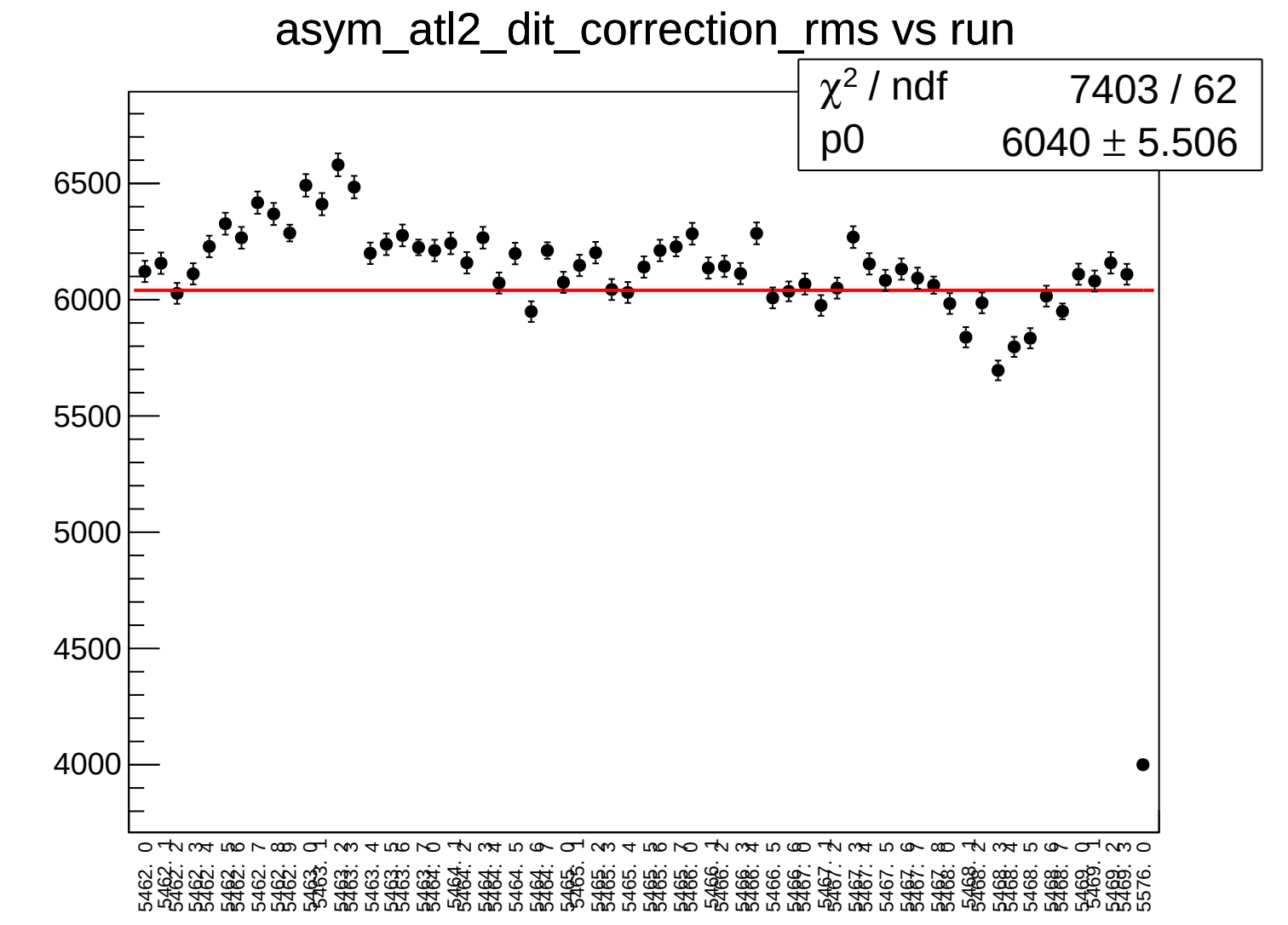
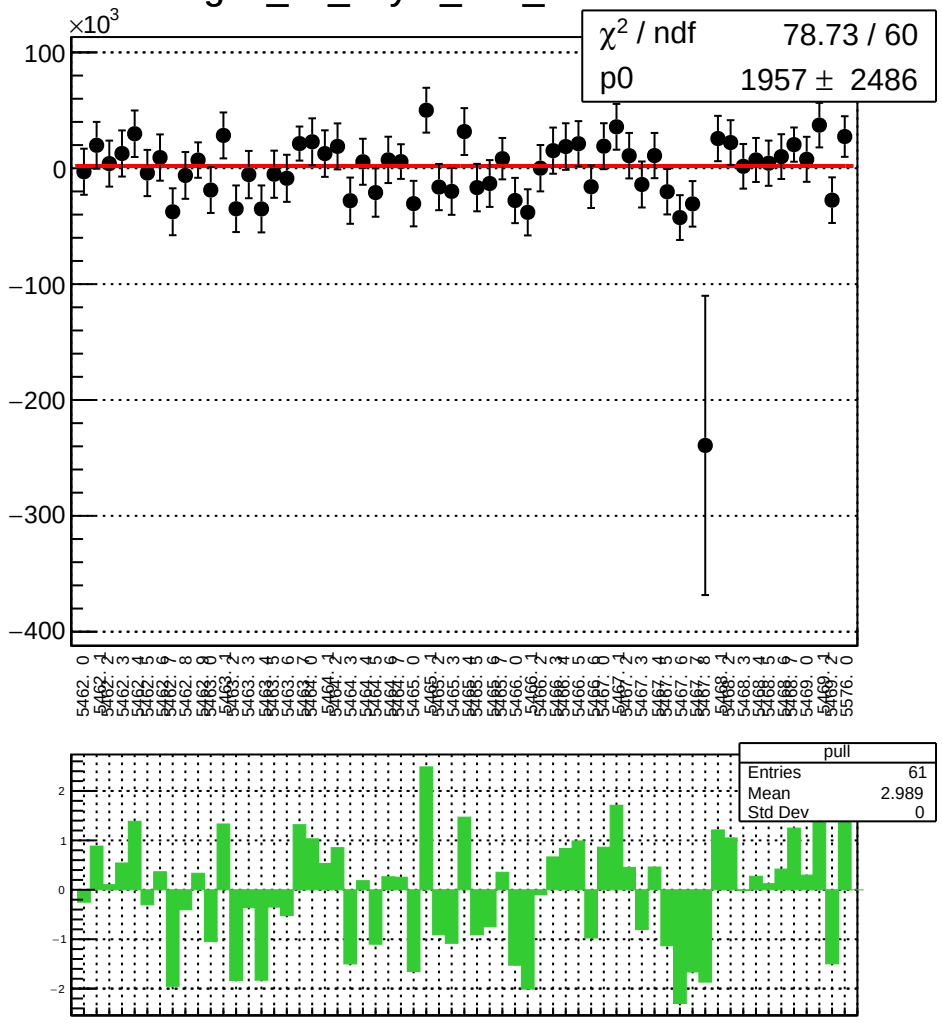
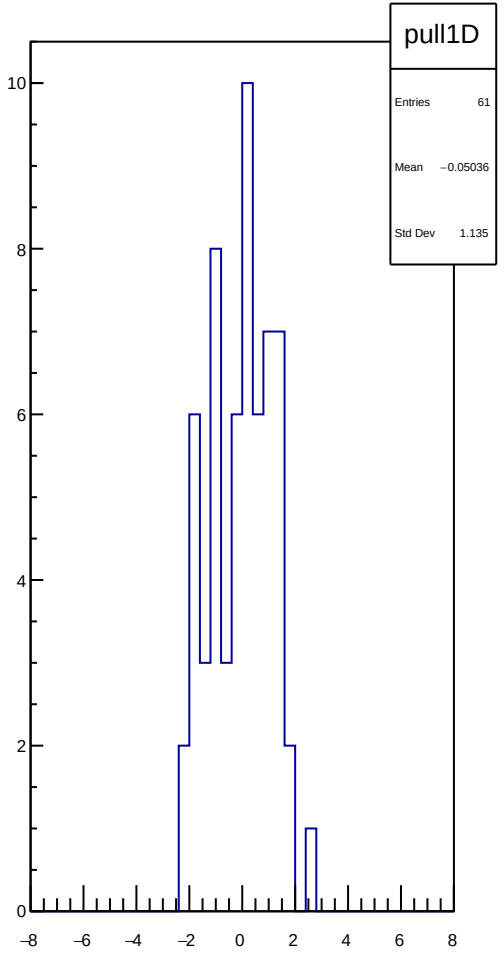
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5468. 9
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

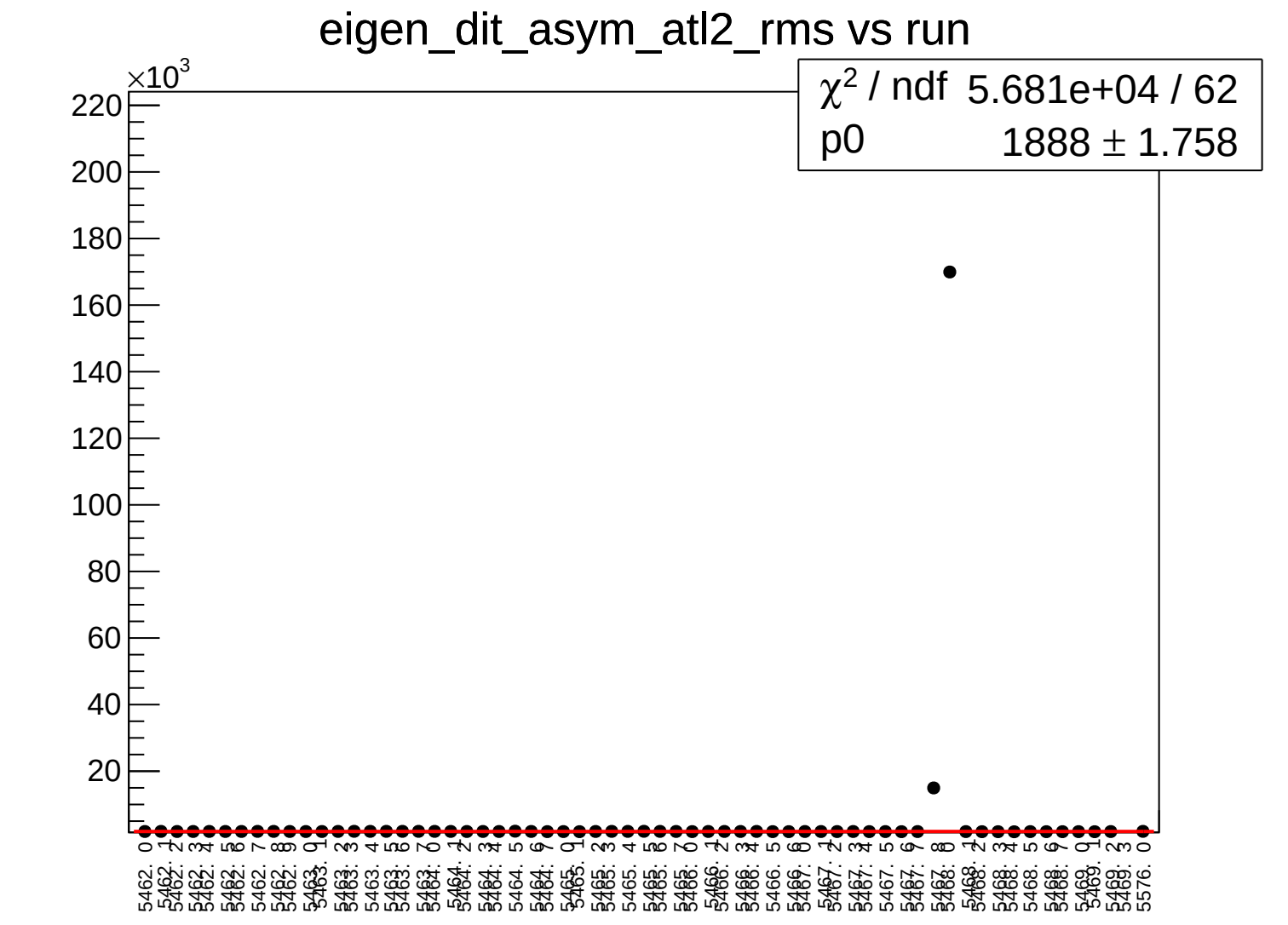

asym_atl2_dit_correction_mean vs run
χ² / ndf 74.24 / 62
p0 −2843 ± 7787
×10³
pull
Entries 63
Mean 410.2
Std Dev 0


pull1D
Entries 63
Mean 0.004843
Std Dev 1.086


asym_atl2_dit_correction_rms vs run
χ² / ndf 7403 / 62
p0 6040 ± 5.506
6500
6000
5500
5000
4500
4000


eigen_dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 78.73 / 60
p0 1957 ± 2486
pull
Entries 61
Mean 2.989
Std Dev 0


pull1D
Entries 61
Mean −0.05036
Std Dev 1.135


eigen_dit_asym_atl2_rms vs run
×10^3
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 5.681e+04 / 62
p0 1888 ± 1.758
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
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5463. 2
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5463. 7
5464. 0
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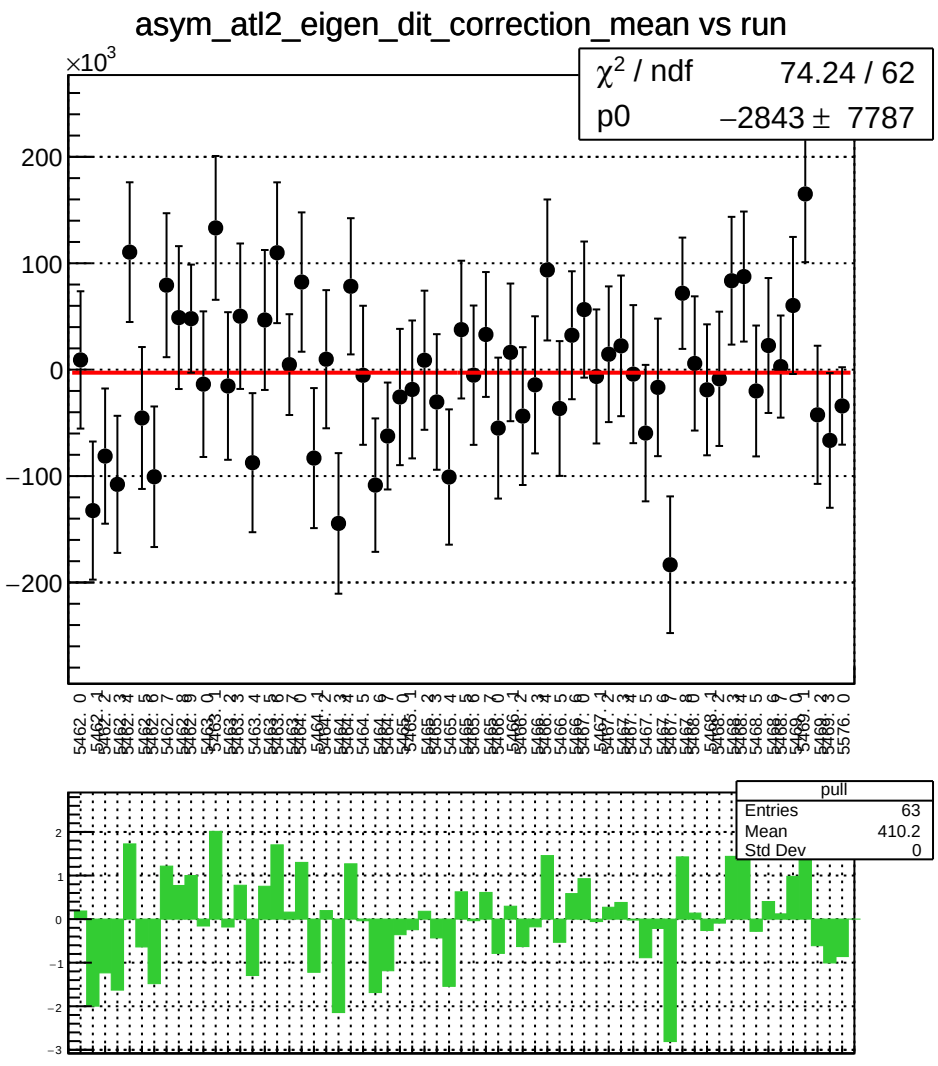
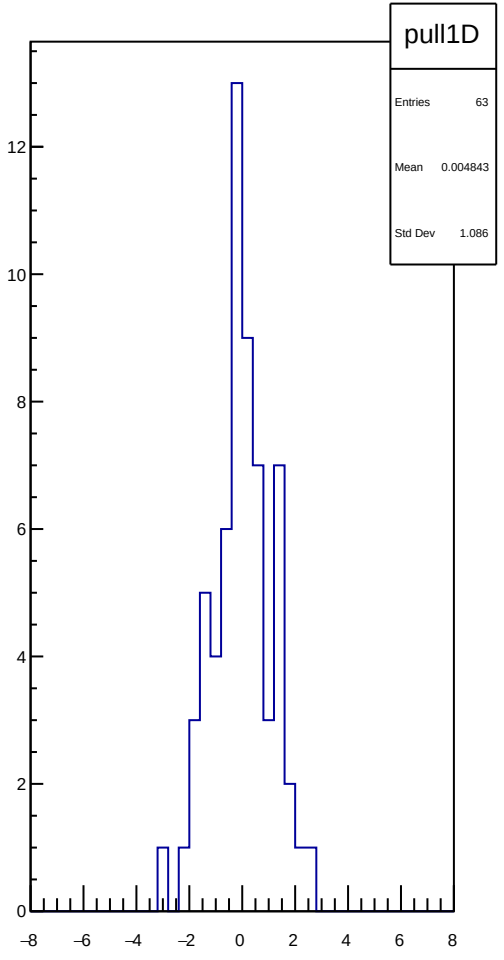
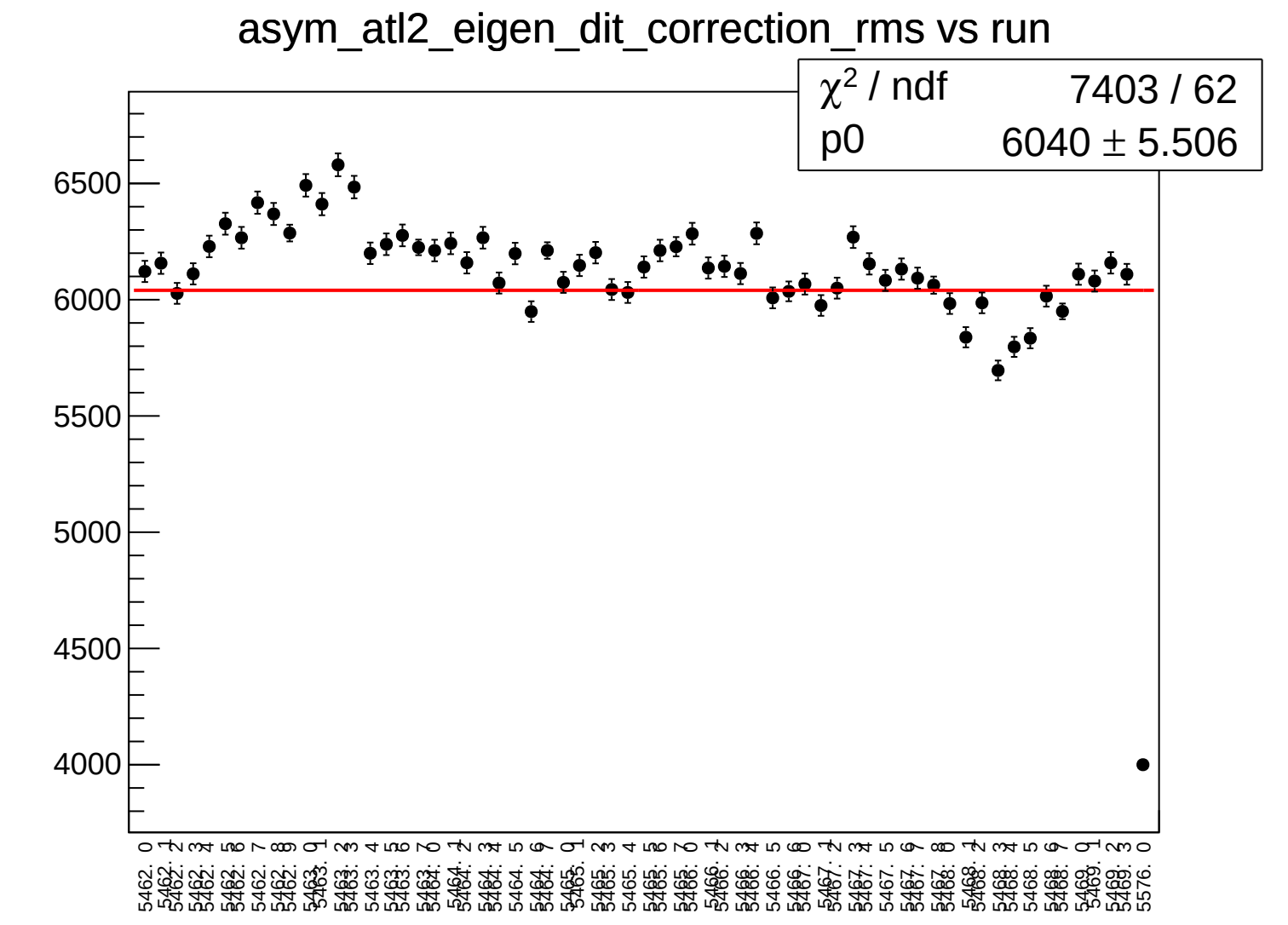
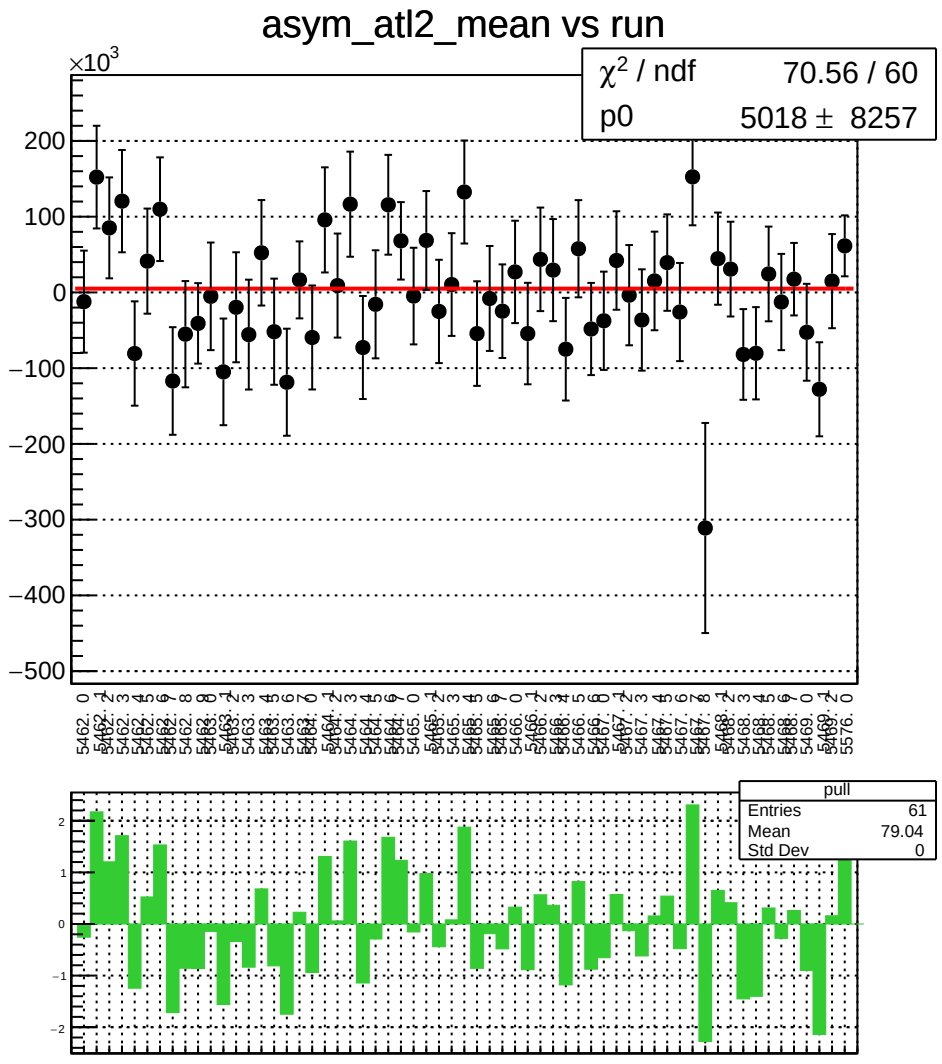
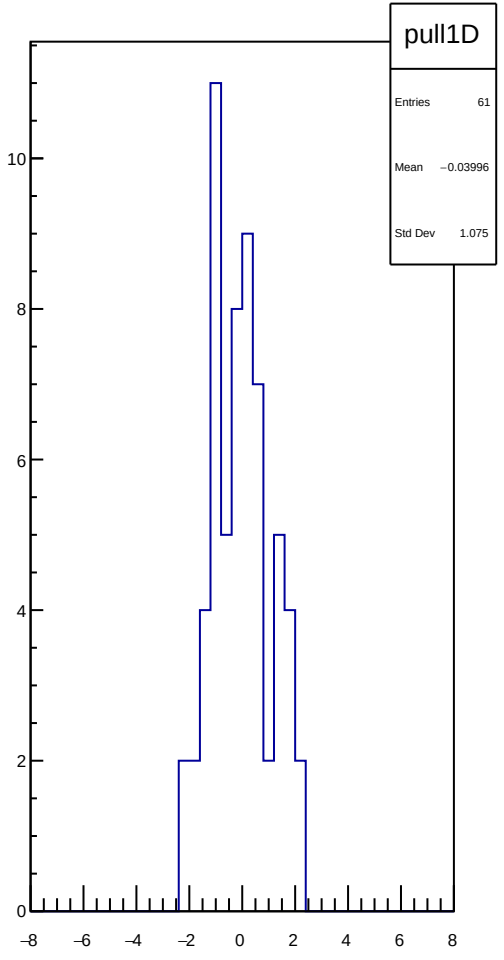
5469. 3
5576. 0

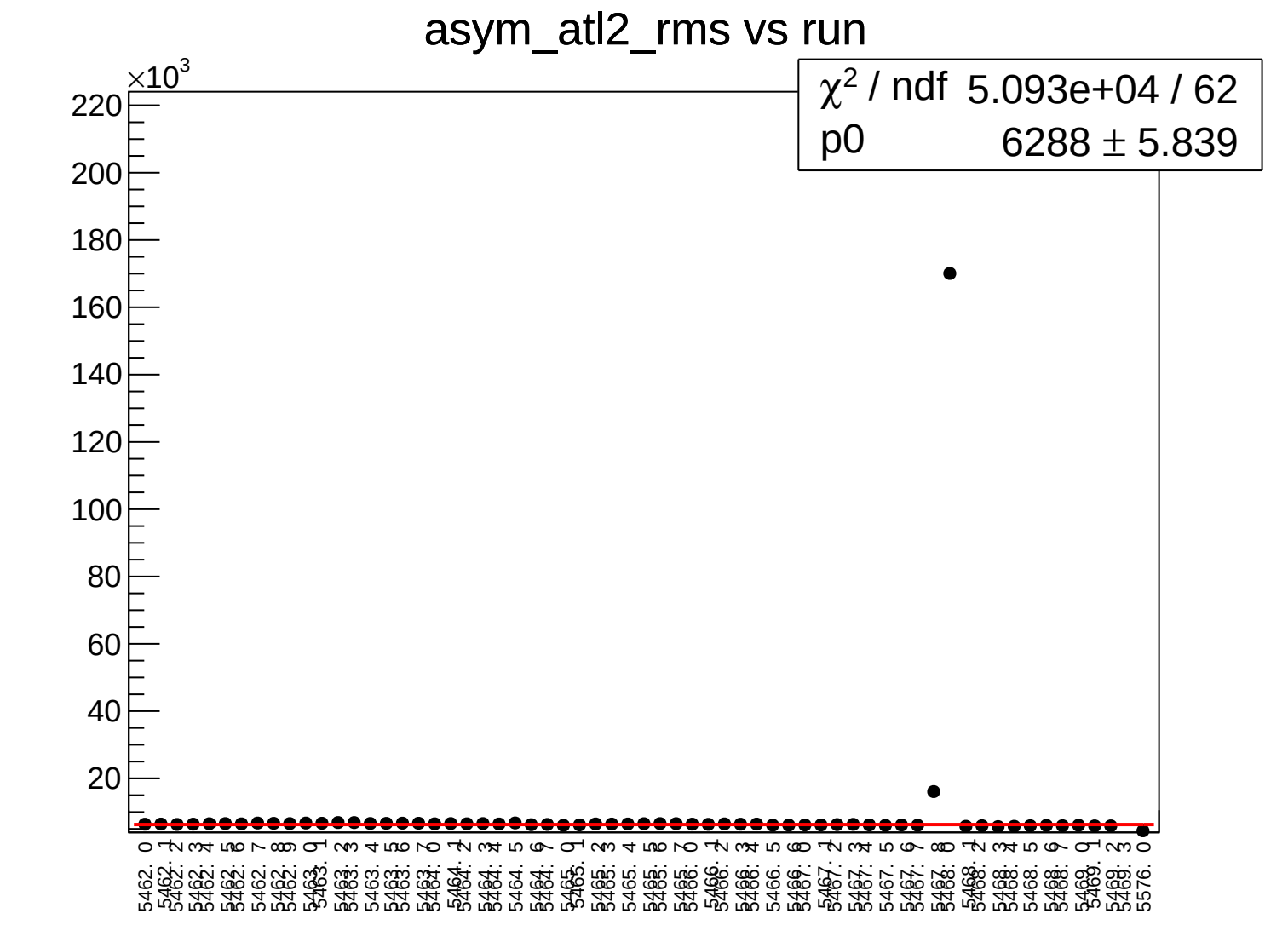

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 74.24 / 62
p0 −2843 ± 7787
200
100
0
−100
−200
pull
Entries 63
Mean 410.2
Std Dev 0
2
1
0
−1
−2
−3

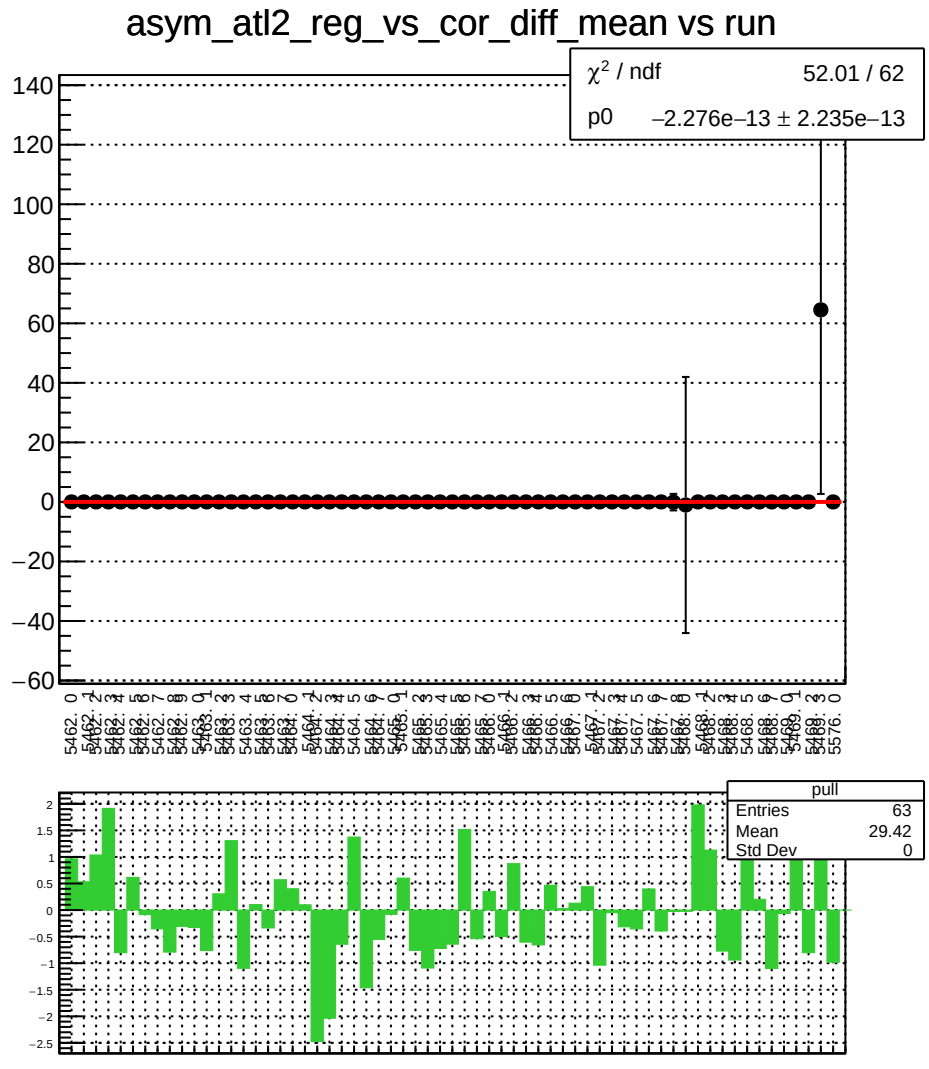

pull1D
Entries 63
Mean 0.004843
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

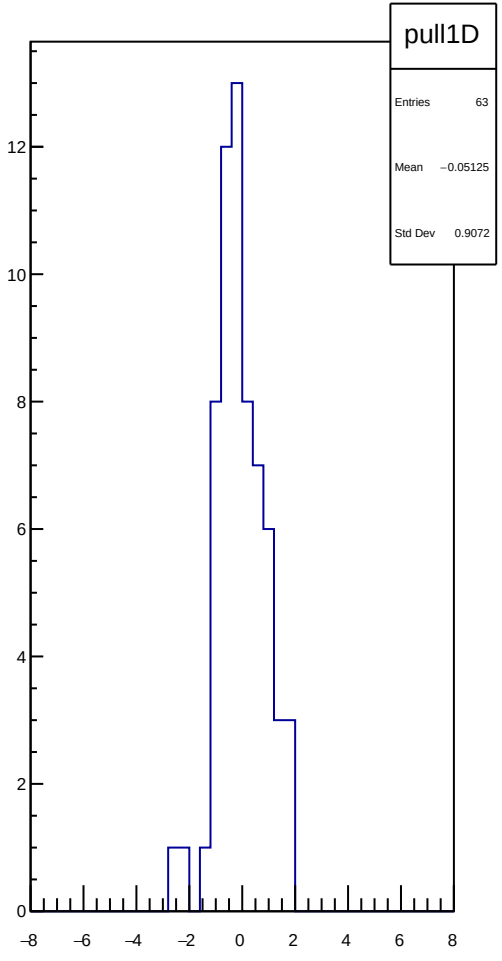

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 7403 / 62
p0 6040 ± 5.506
6500
6000
5500
5000
4500
4000

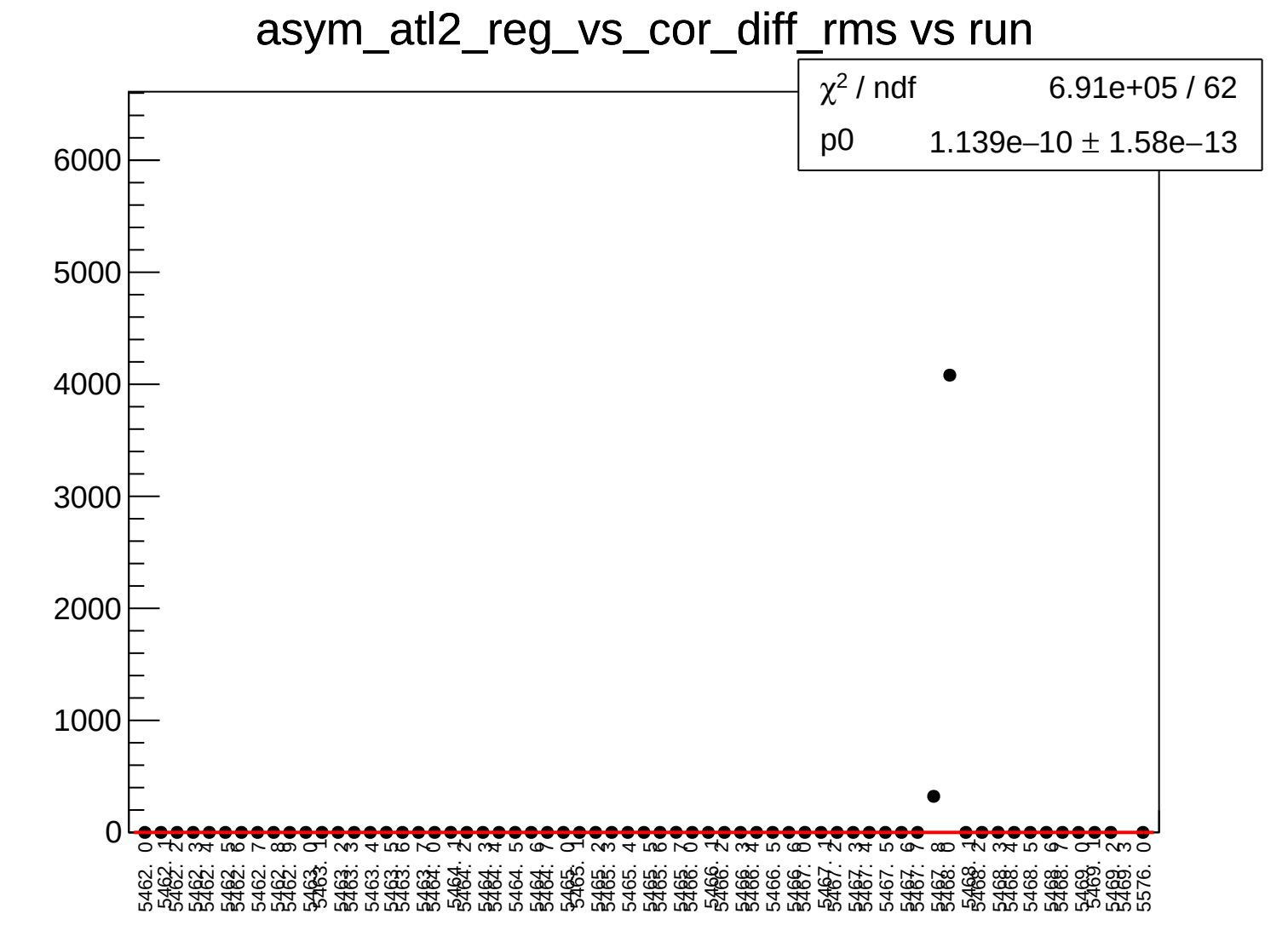

asym_atl2_mean vs run
×10^3
χ² / ndf 70.56 / 60
p0 5018 ± 8257
200
100
0
−100
−200
−300
−400
−500
pull
Entries 61
Mean 79.04
Std Dev 0
2
1
0
−1
−2

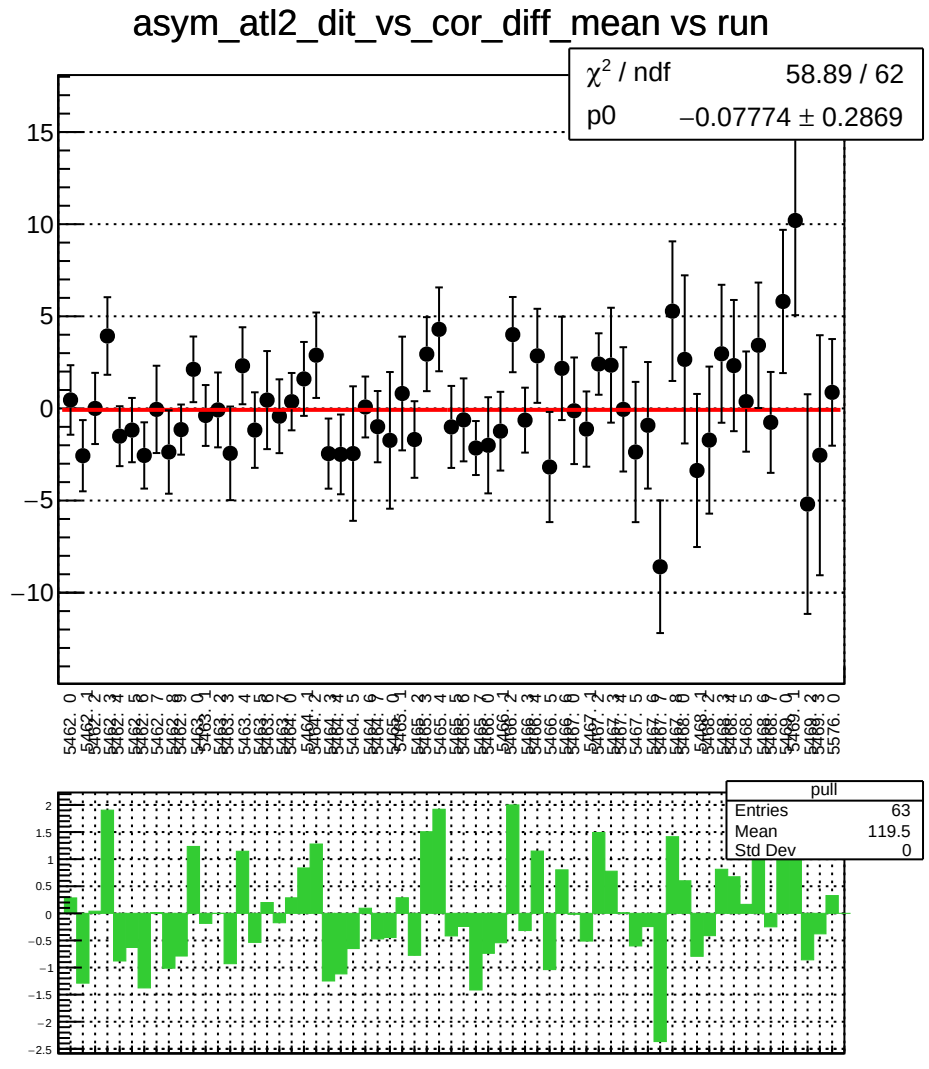

pull1D
Entries 61
Mean −0.03996
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

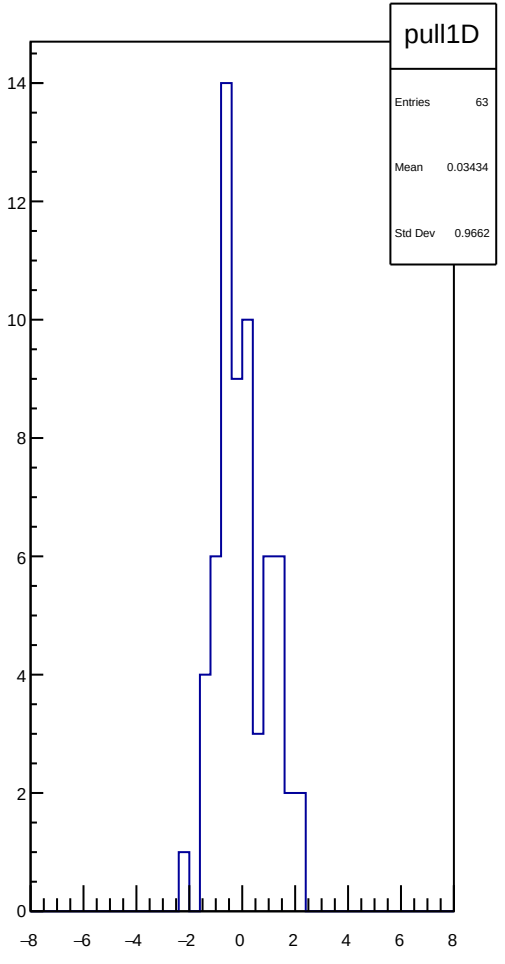

asym_atl2_rms vs run
×10^3
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 5.093e+04 / 62
p0 6288 ± 5.839
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

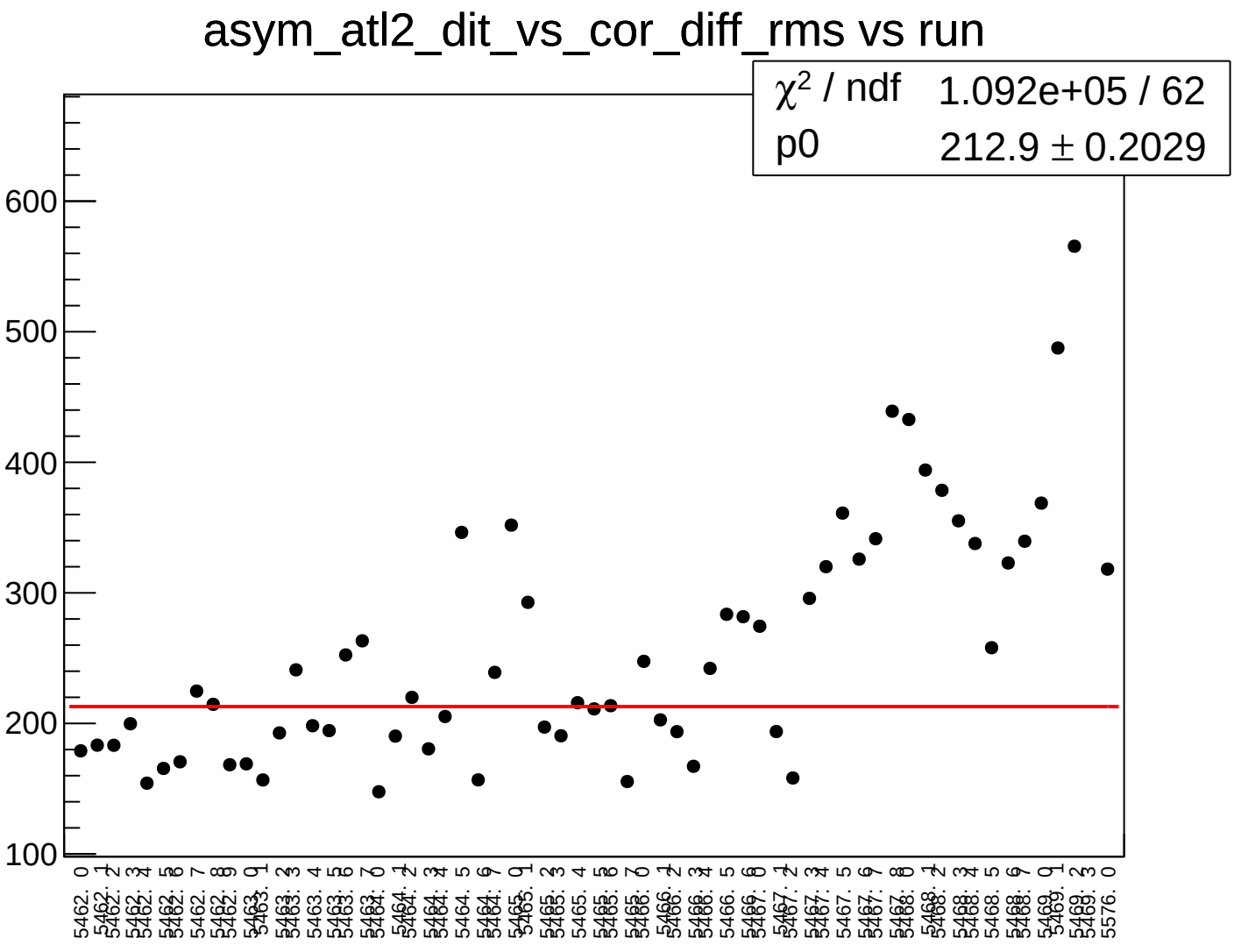

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 52.01 / 62
p0 −2.276e−13 ± 2.235e−13
pull
Entries 63
Mean 29.42
Std Dev 0

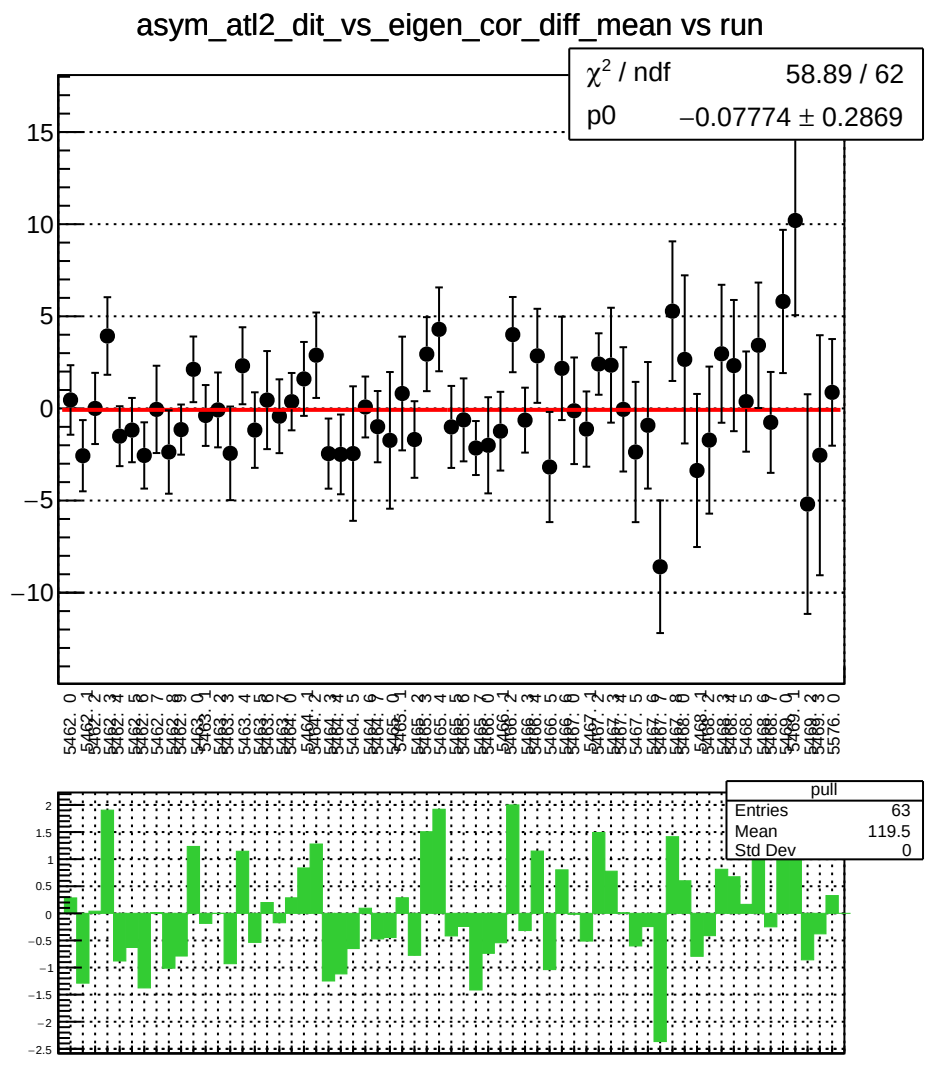

pull1D
Entries 63
Mean −0.05125
Std Dev 0.9072

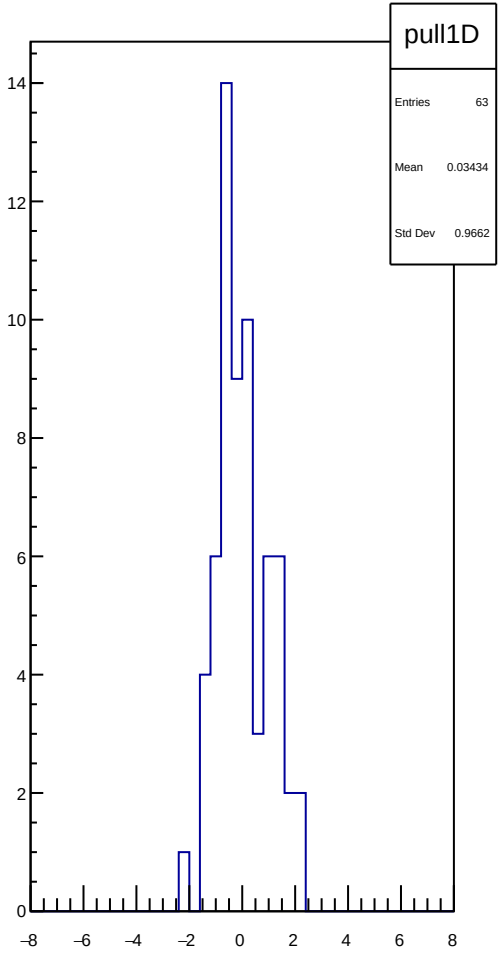

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.91e+05 / 62
p0 1.139e−10 ± 1.58e−13
6000
5000
4000
3000
2000
1000
0

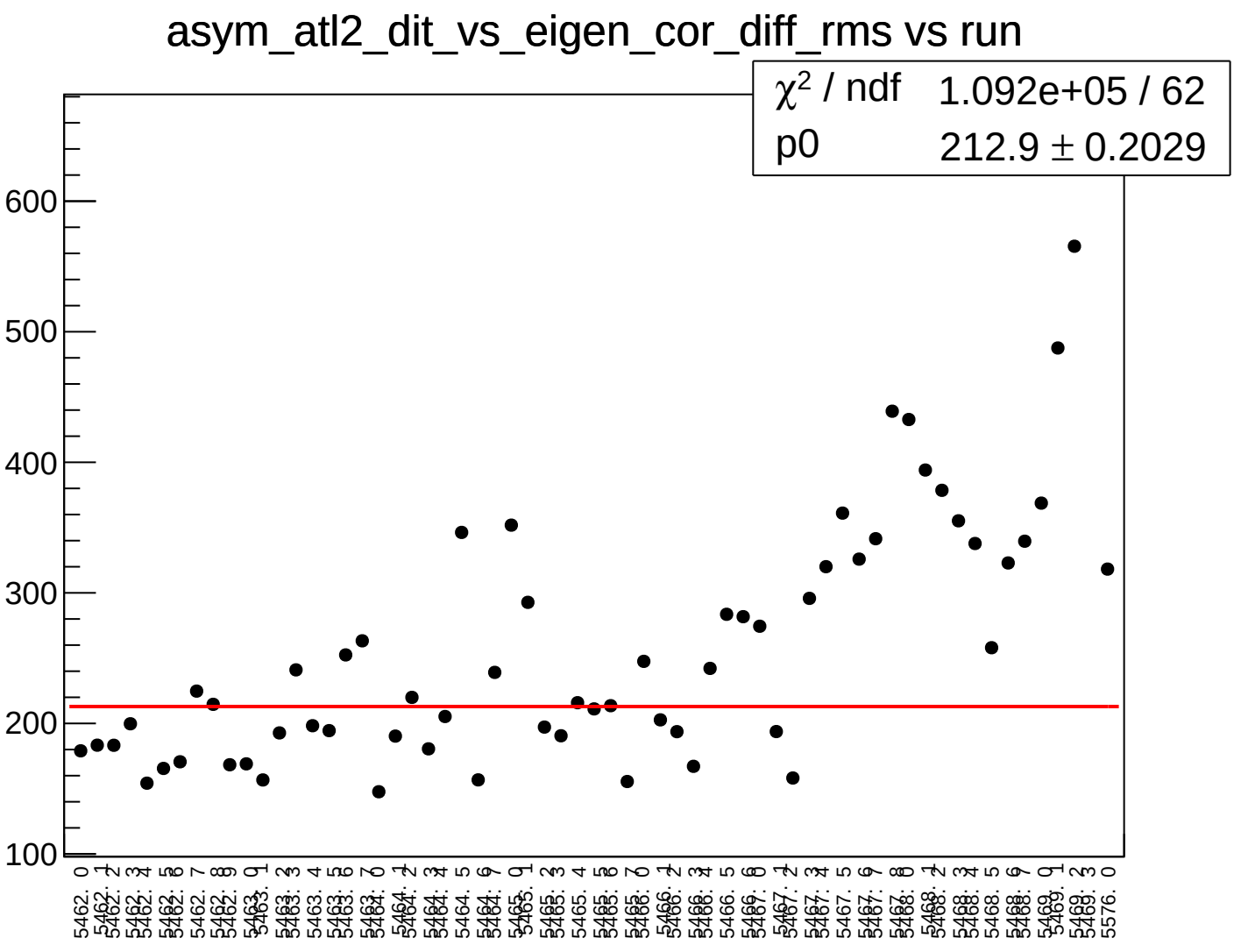

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 58.89 / 62
p0 −0.07774 ± 0.2869
pull
Entries 63
Mean 119.5
Std Dev 0

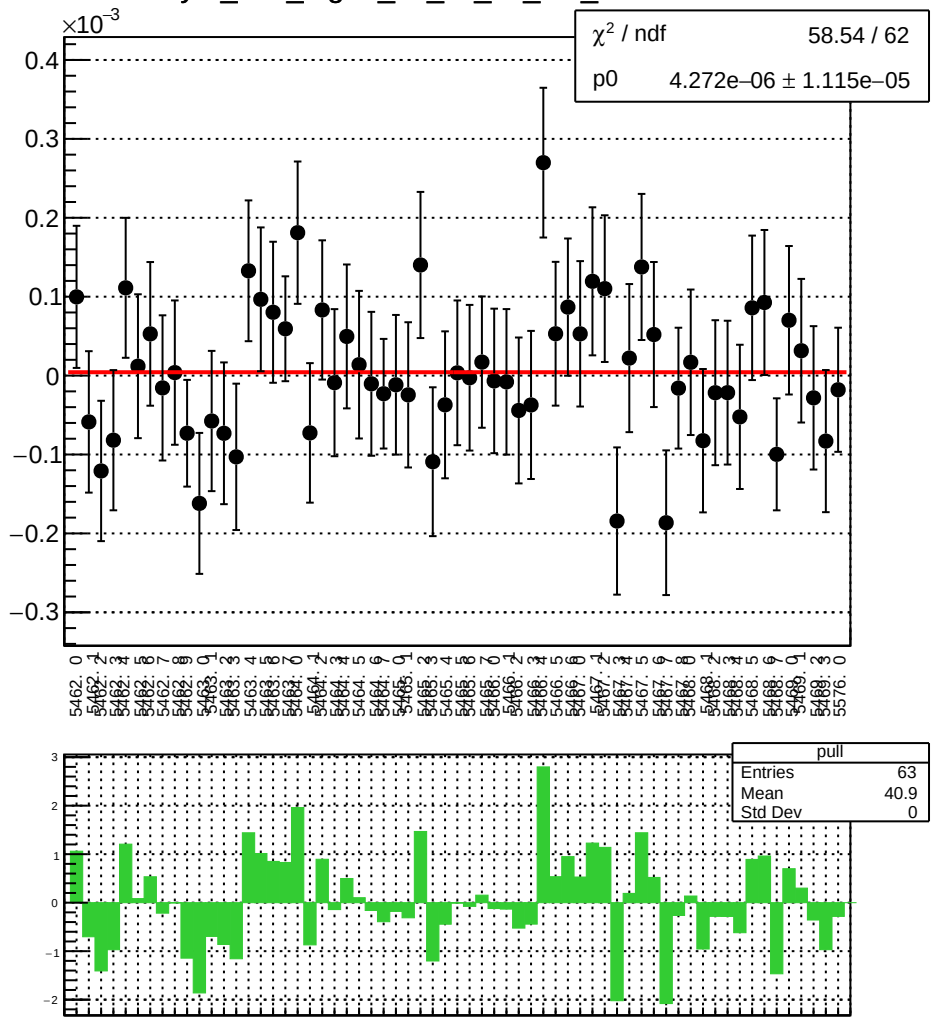

pull1D
Entries 63
Mean 0.03434
Std Dev 0.9662

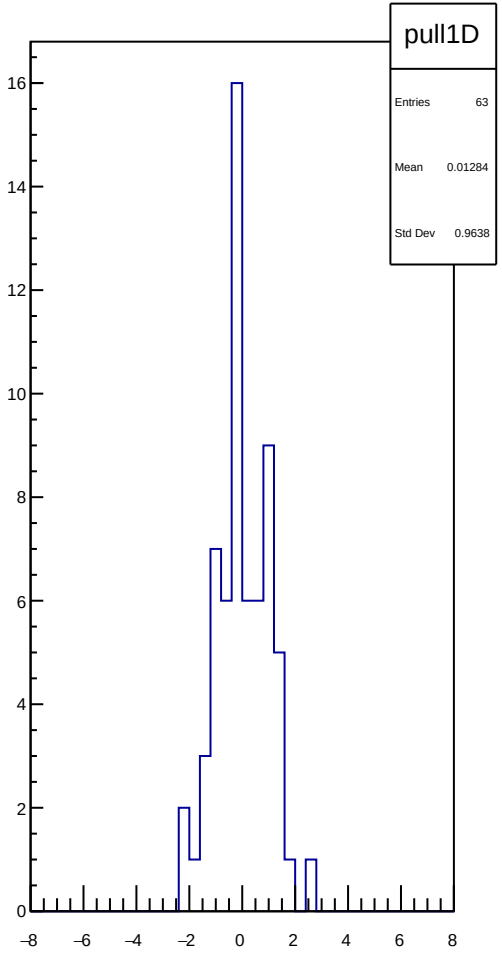

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.092e+05 / 62
p0 212.9 ± 0.2029
600
500
400
300
200
100

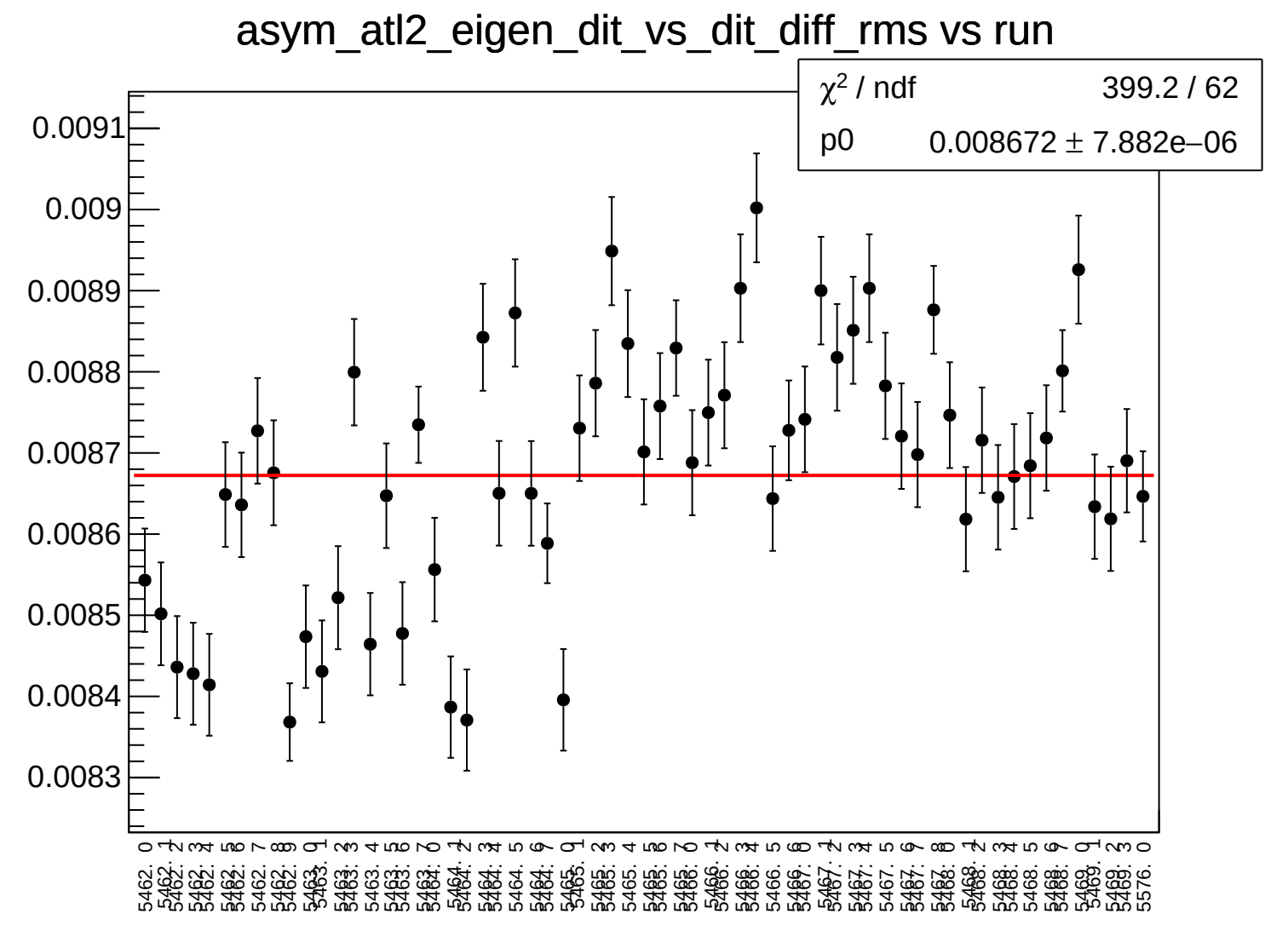

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.89 / 62
p0 −0.07774 ± 0.2869
pull
Entries 63
Mean 119.5
Std Dev 0

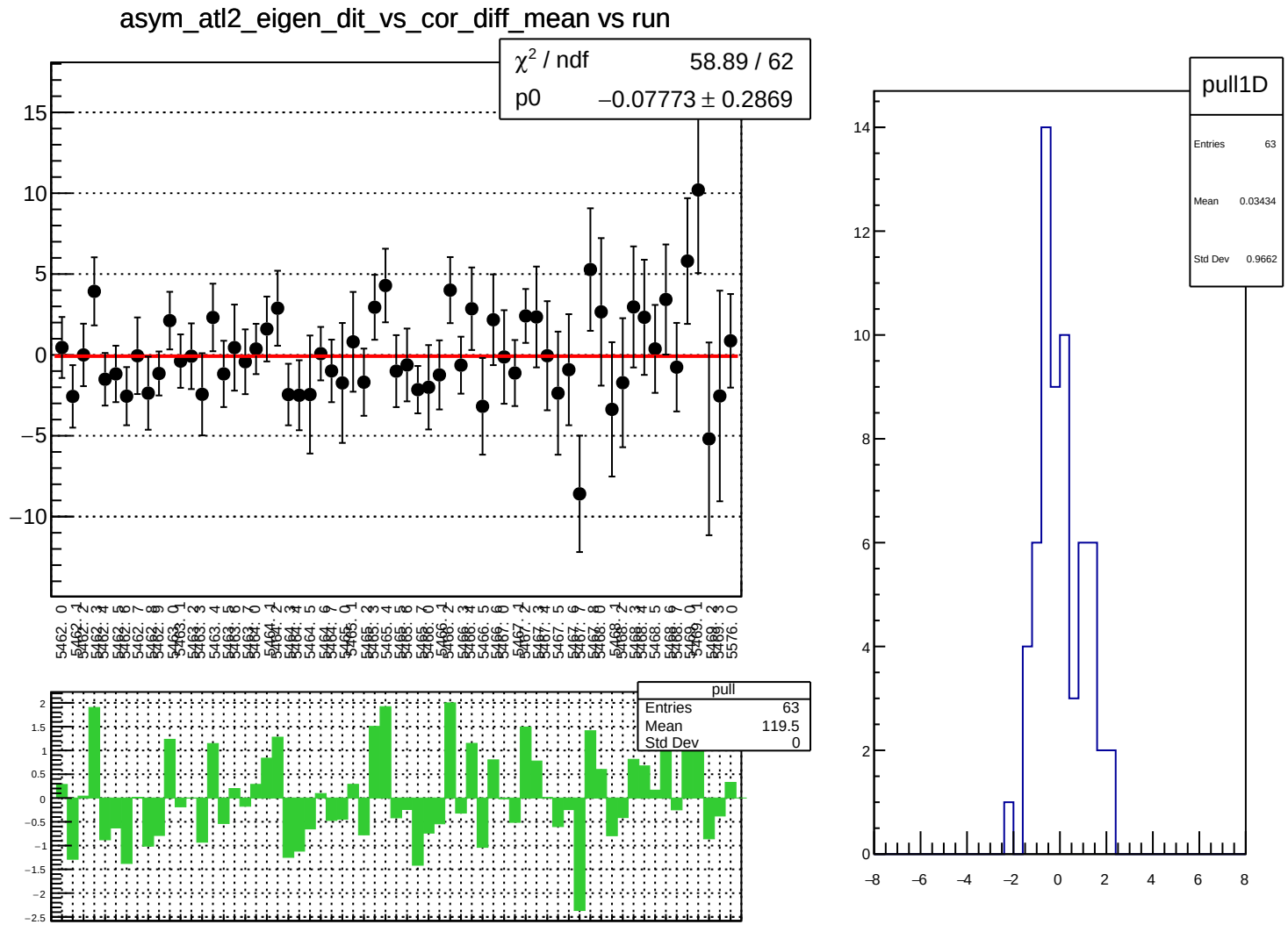

pull1D
Entries 63
Mean 0.03434
Std Dev 0.9662

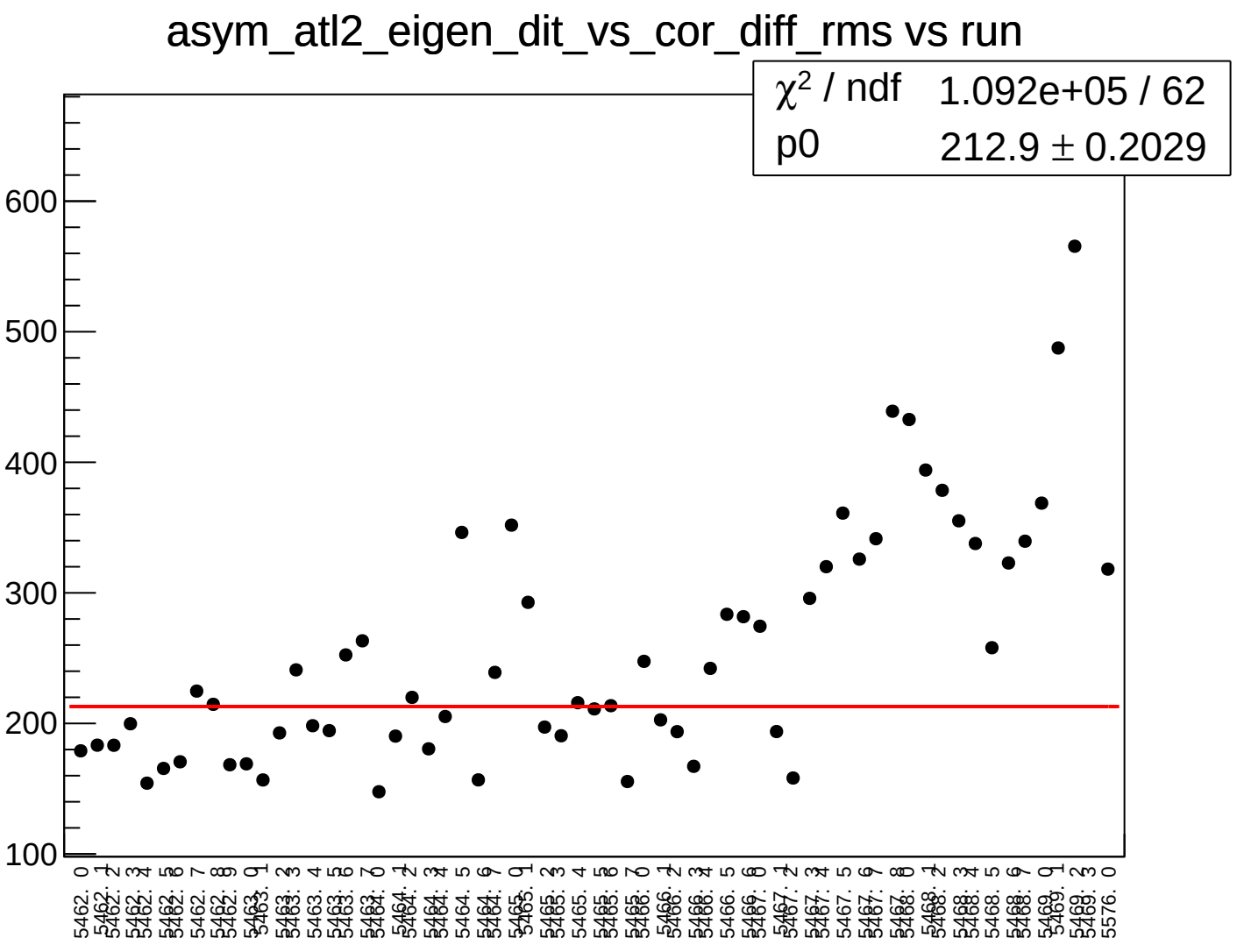

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.092e+05 / 62
p0 212.9 ± 0.2029
600
500
400
300
200
100

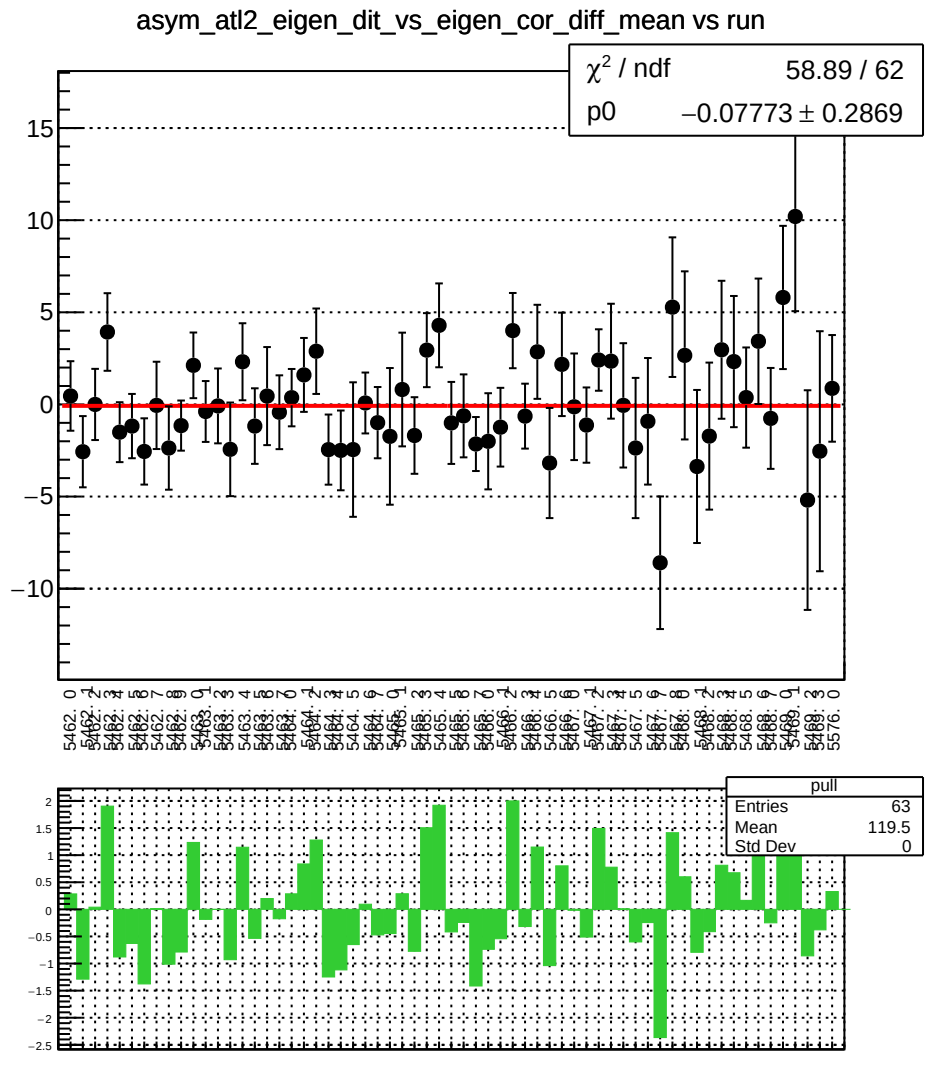

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.54 / 62
p0 4.272e−06 ± 1.115e−05
pull
Entries 63
Mean 40.9
Std Dev 0

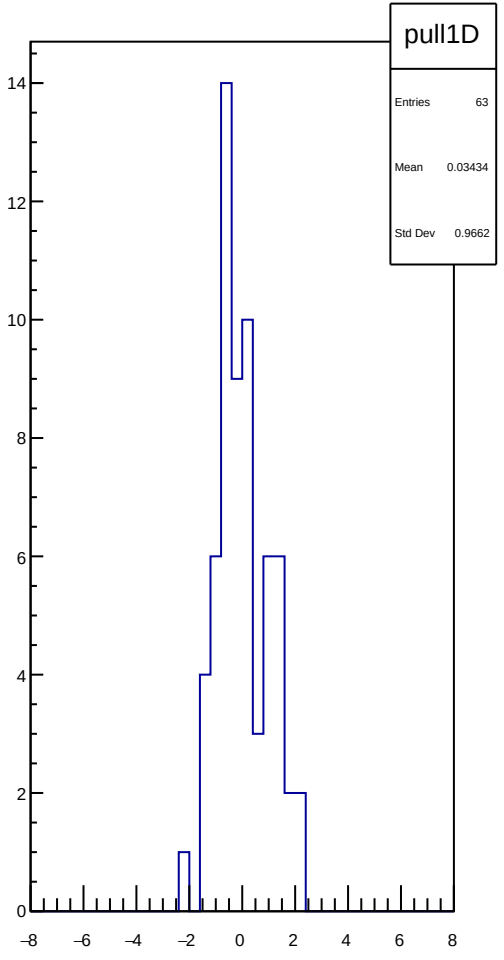

pull1D
Entries 63
Mean 0.01284
Std Dev 0.9638

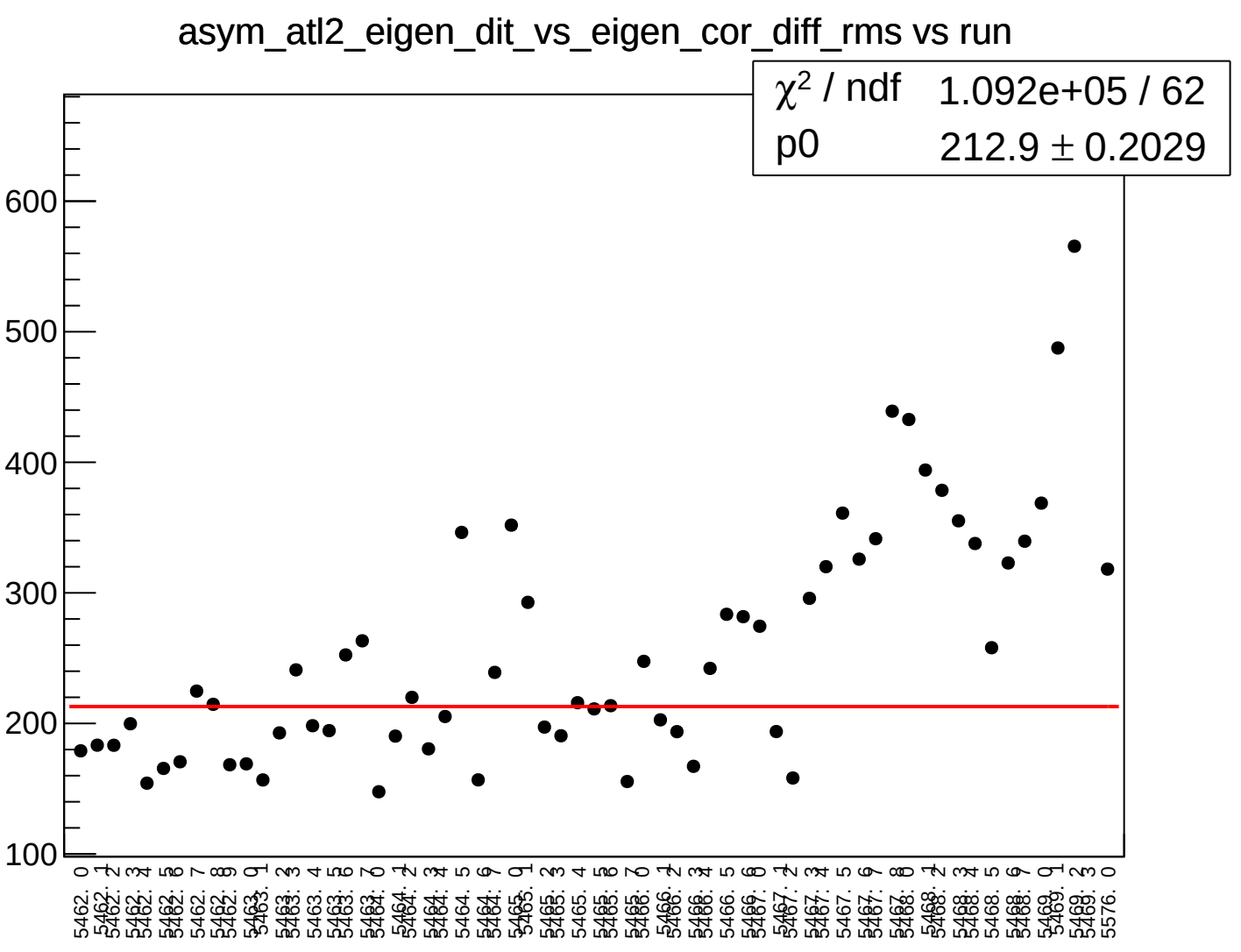

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 399.2 / 62
p0 0.008672 ± 7.882e−06
0.0091
0.009
0.0089
0.0088
0.0087
0.0086
0.0085
0.0084
0.0083

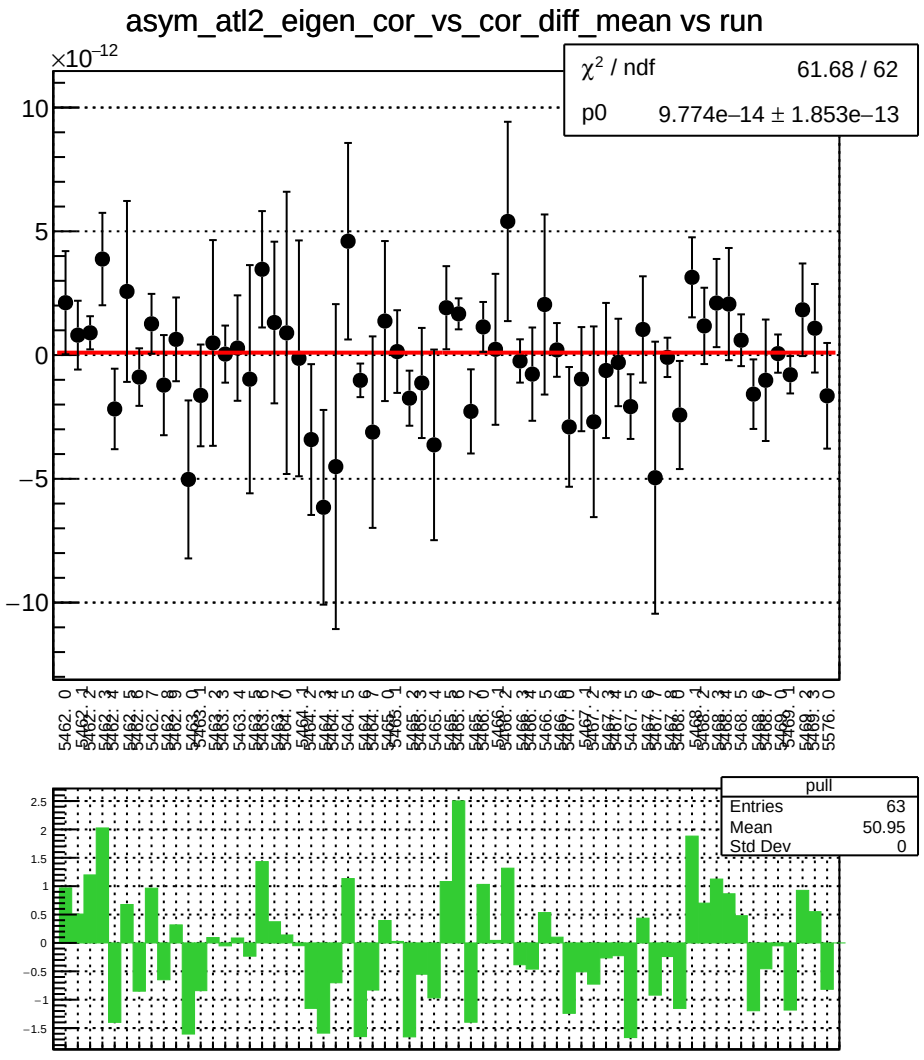

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.89 / 62
p0 −0.07773 ± 0.2869
pull
Entries 63
Mean 119.5
Std Dev 0
pull1D
Entries 63
Mean 0.03434
Std Dev 0.9662

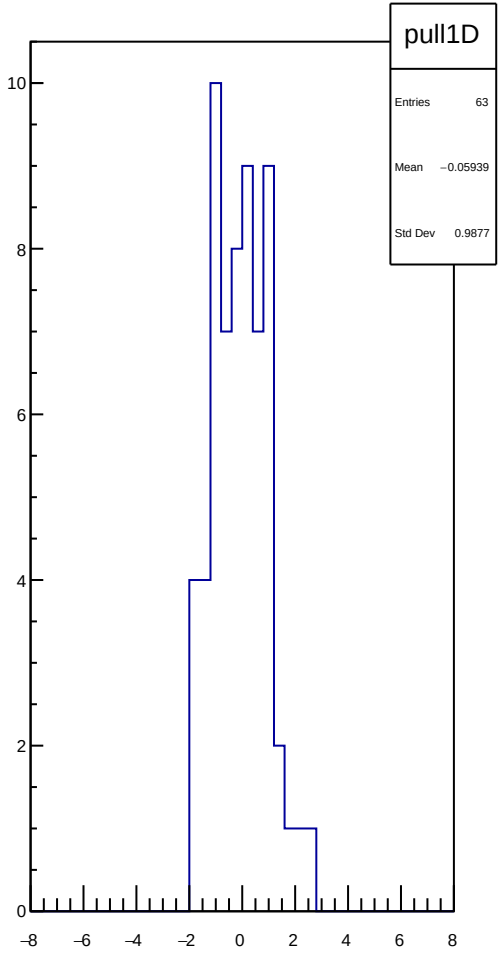

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.092e+05 / 62
p0 212.9 ± 0.2029
600
500
400
300
200
100

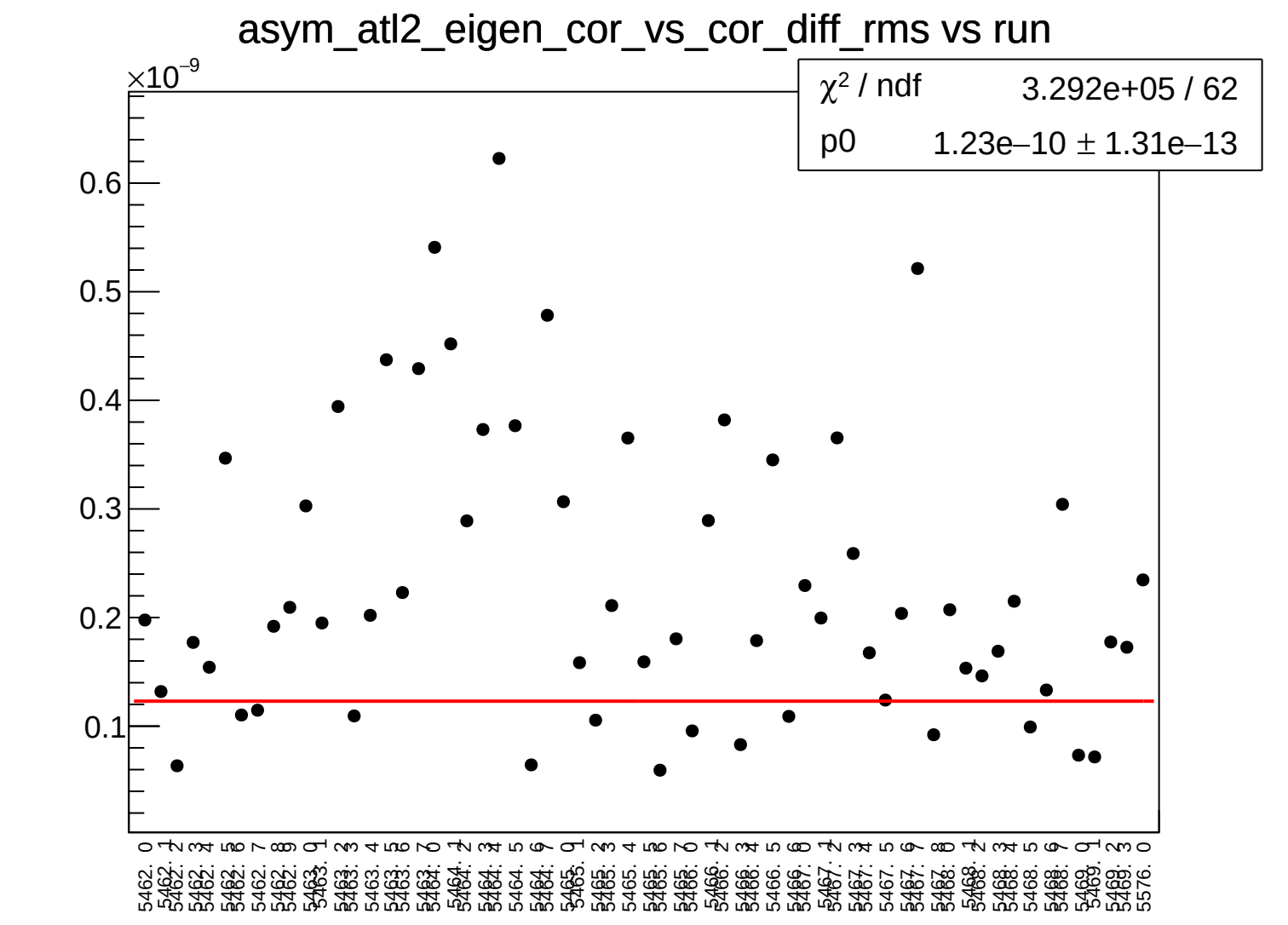

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.89 / 62
p0 −0.07773 ± 0.2869
pull
Entries 63
Mean 119.5
Std Dev 0

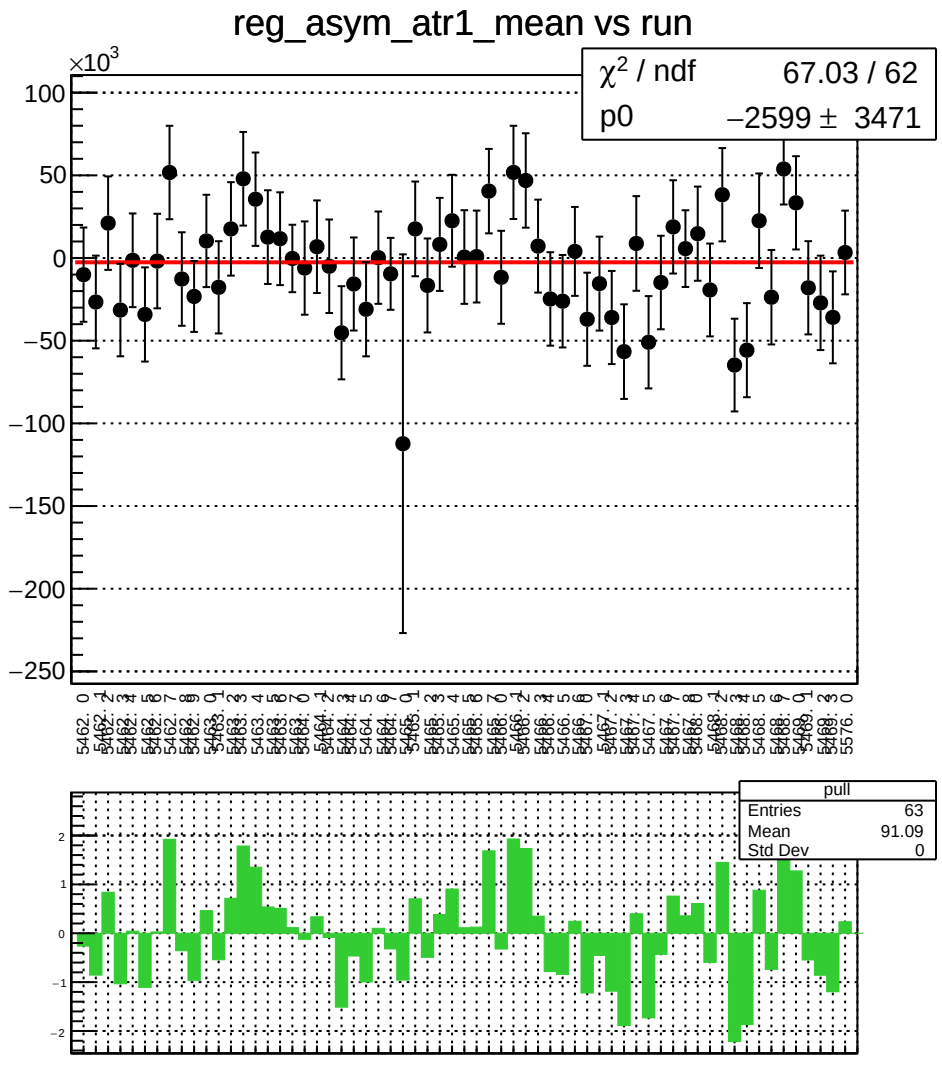

pull1D
Entries 63
Mean 0.03434
Std Dev 0.9662

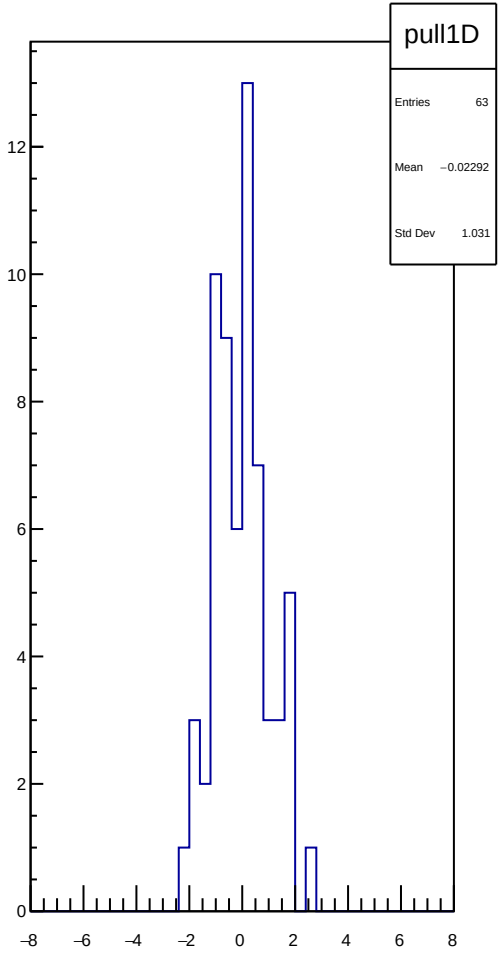

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.092e+05 / 62
p0 212.9 ± 0.2029
600
500
400
300
200
100

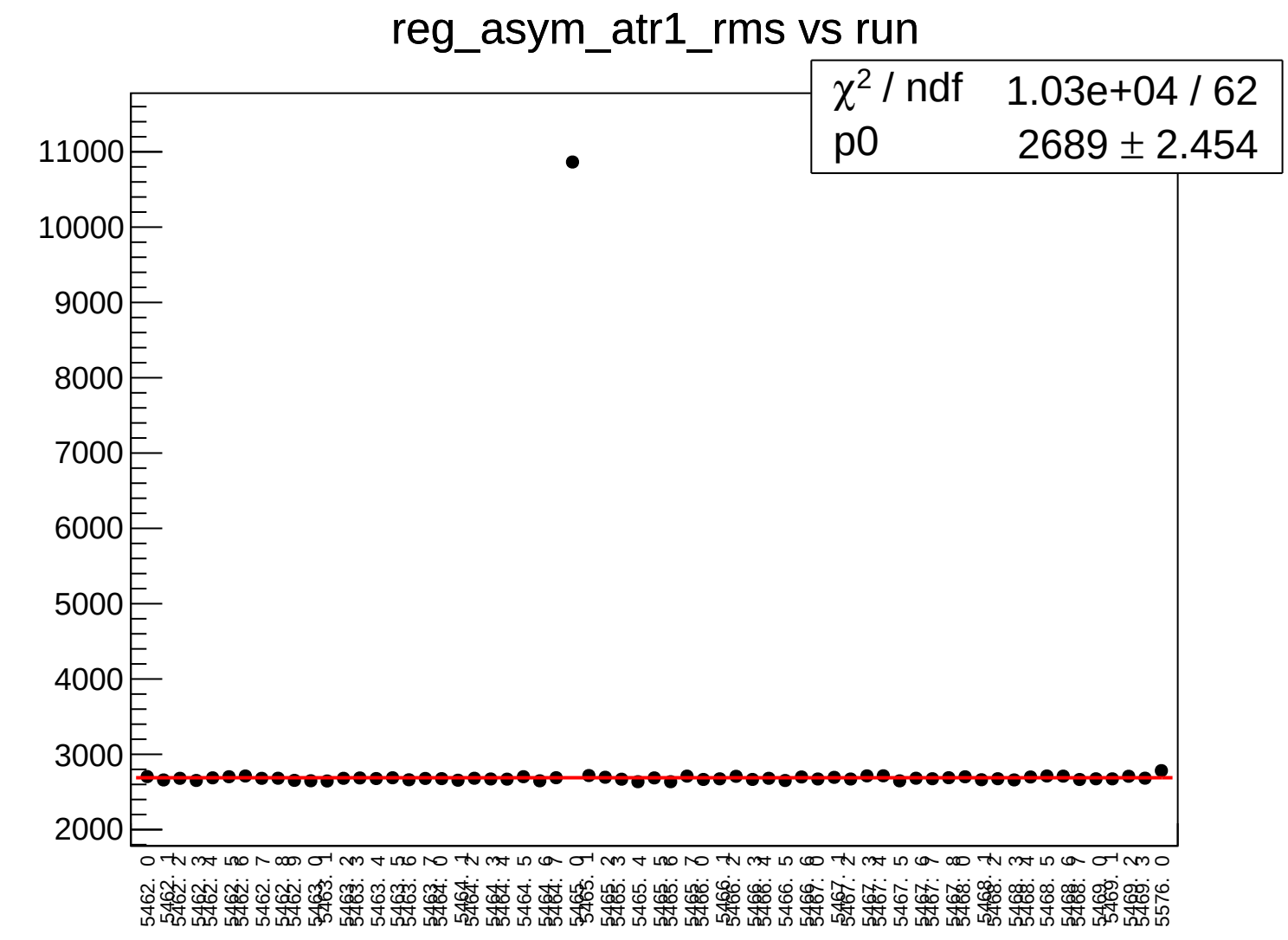

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.68 / 62
p0 9.774e−14 ± 1.853e−13
pull
Entries 63
Mean 50.95
Std Dev 0

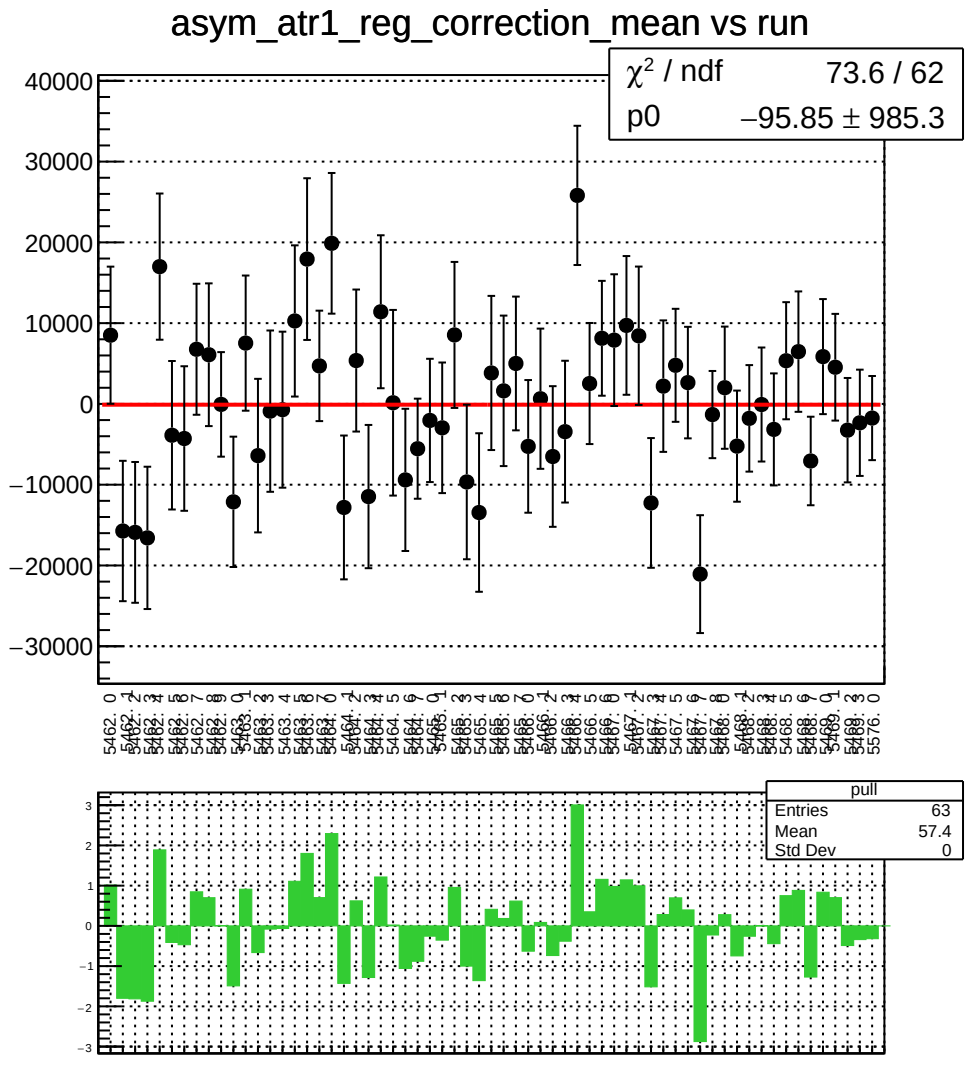

pull1D
Entries 63
Mean −0.05939
Std Dev 0.9877

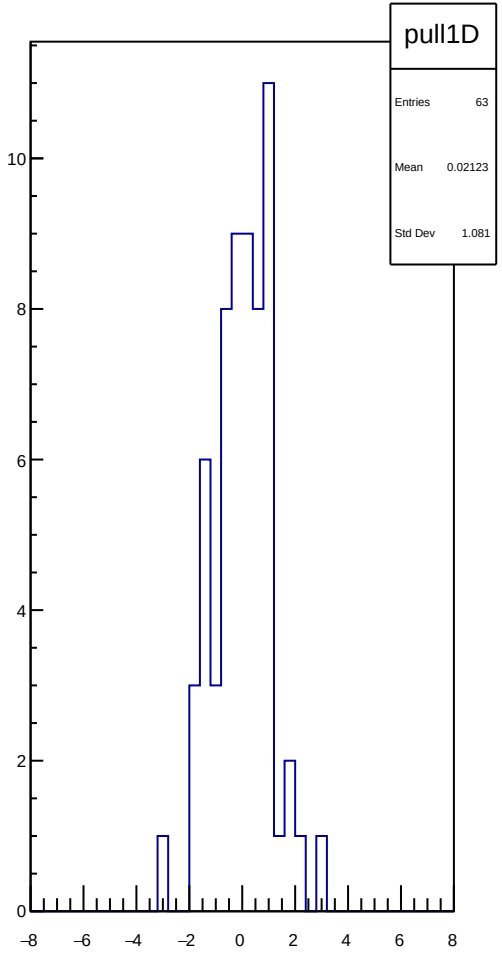

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.292e+05 / 62
p0 1.23e−10 ± 1.31e−13
0.6
0.5
0.4
0.3
0.2
0.1

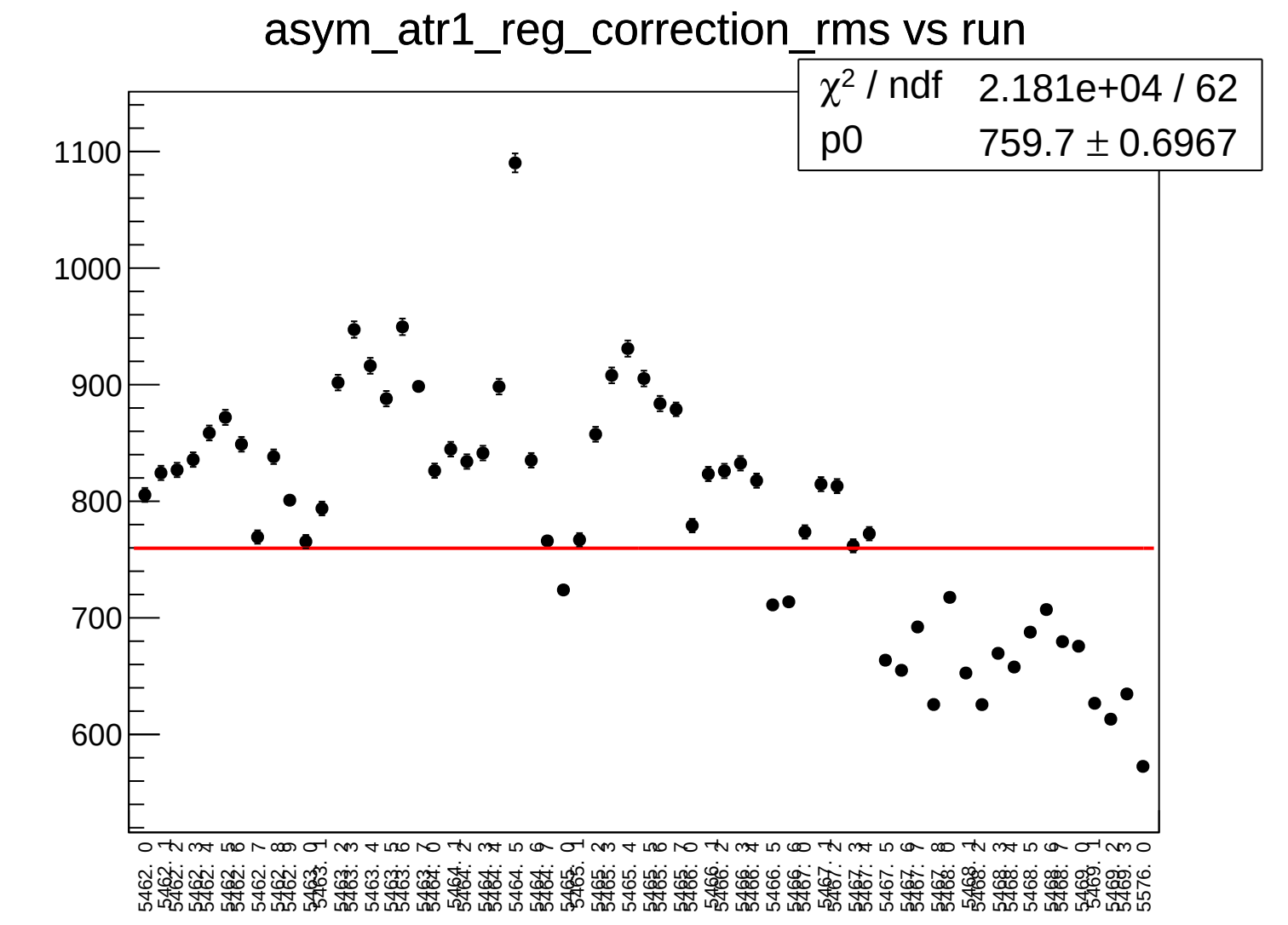

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 67.03 / 62
p0 −2599 ± 3471
pull
Entries 63
Mean 91.09
Std Dev 0

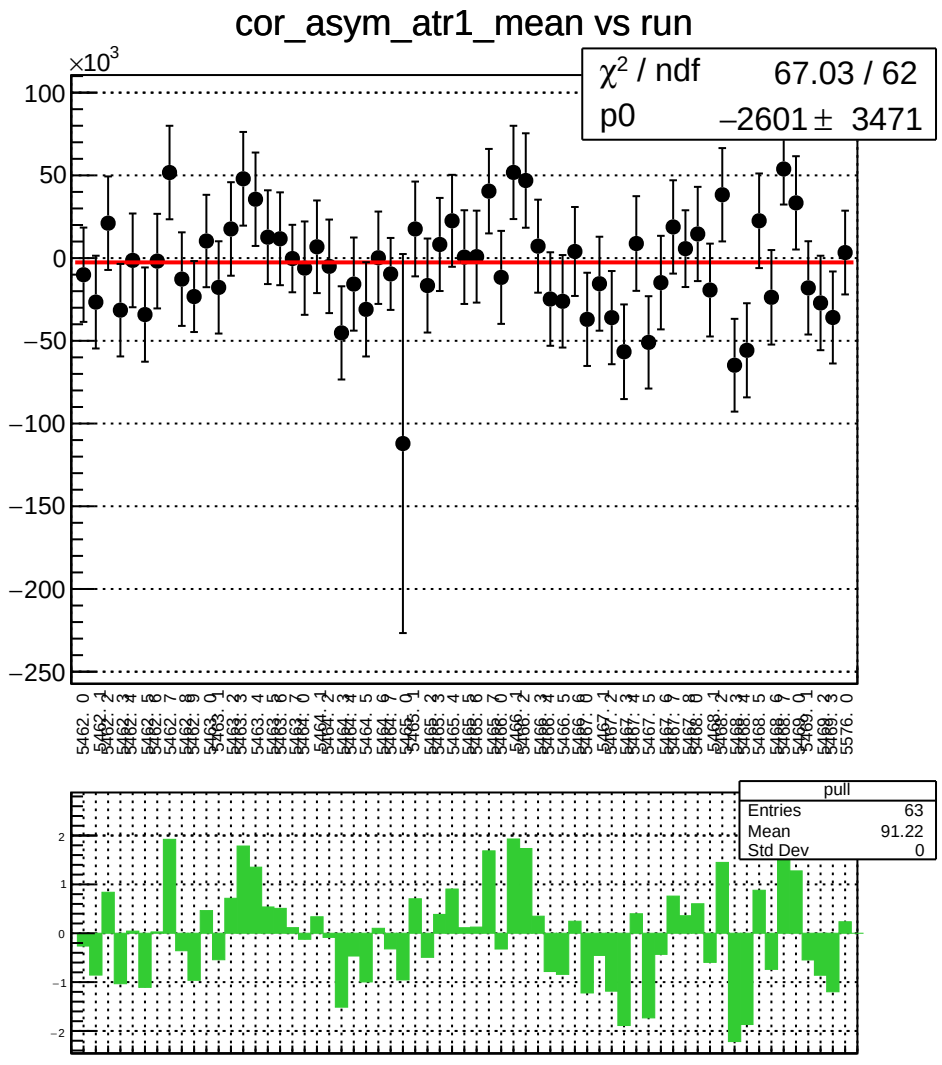

pull1D
Entries 63
Mean −0.02292
Std Dev 1.031

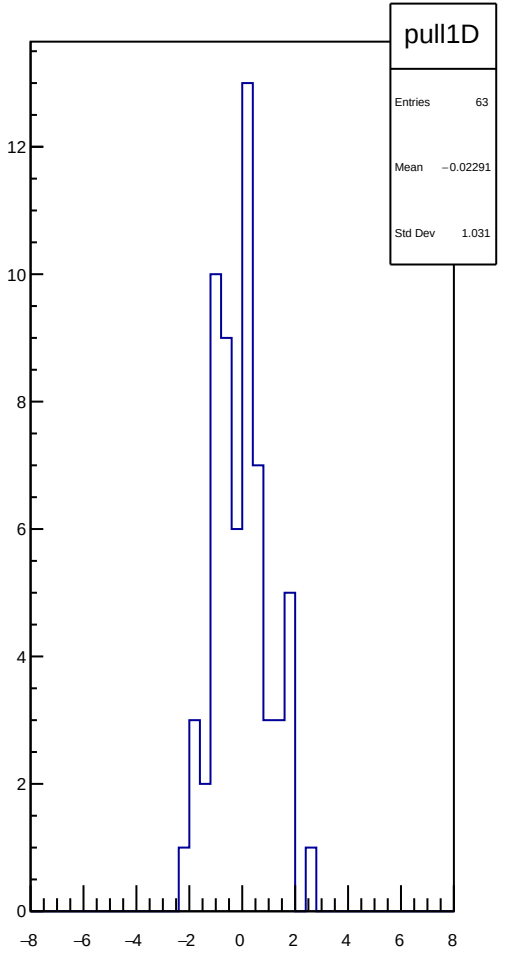

reg_asym_atr1_rms vs run
χ^2 / ndf 1.03e+04 / 62
p0 2689 ± 2.454
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

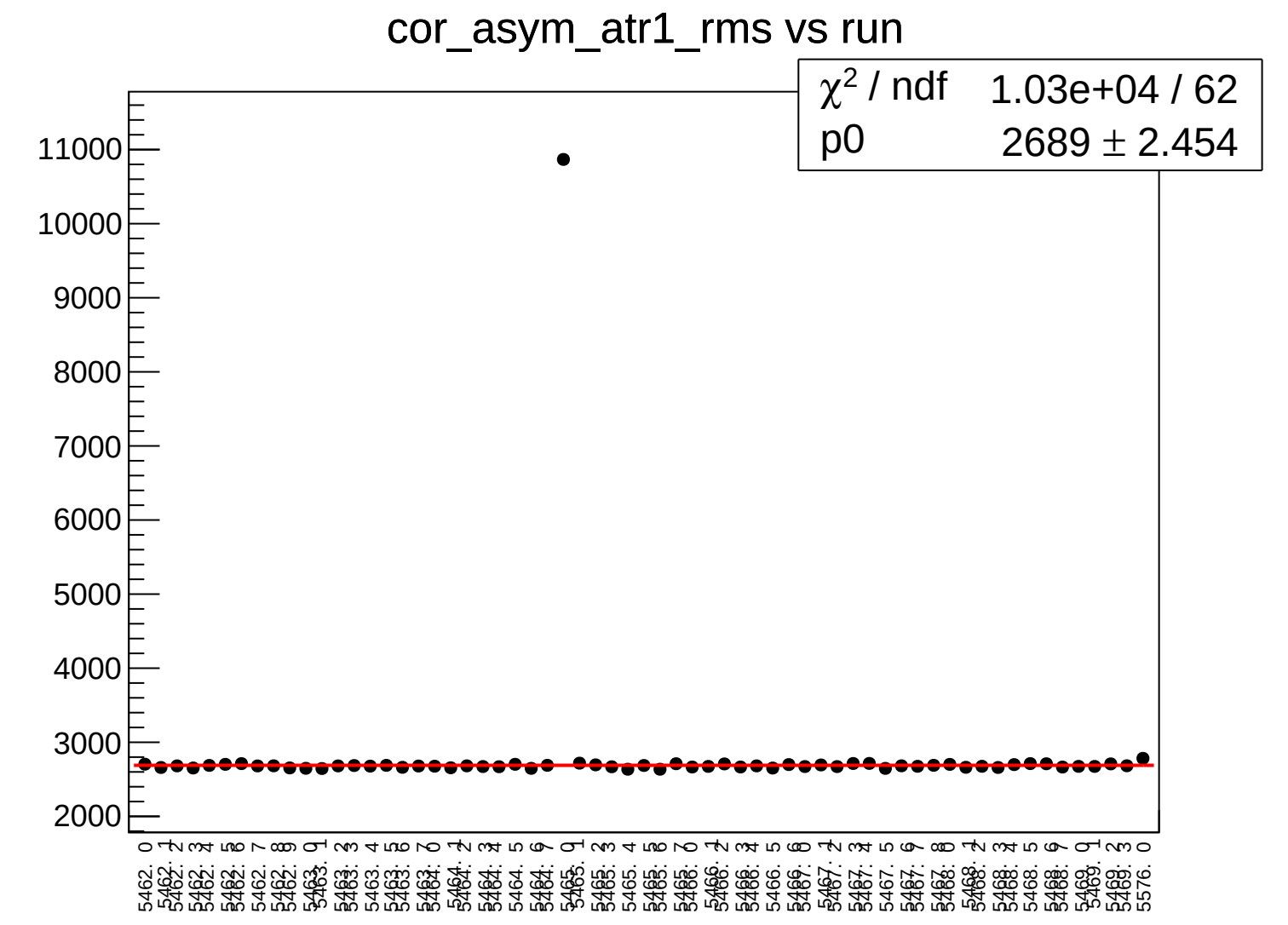

asym_atr1_reg_correction_mean vs run
χ² / ndf 73.6 / 62
p0 −95.85 ± 985.3
pull
Entries 63
Mean 57.4
Std Dev 0

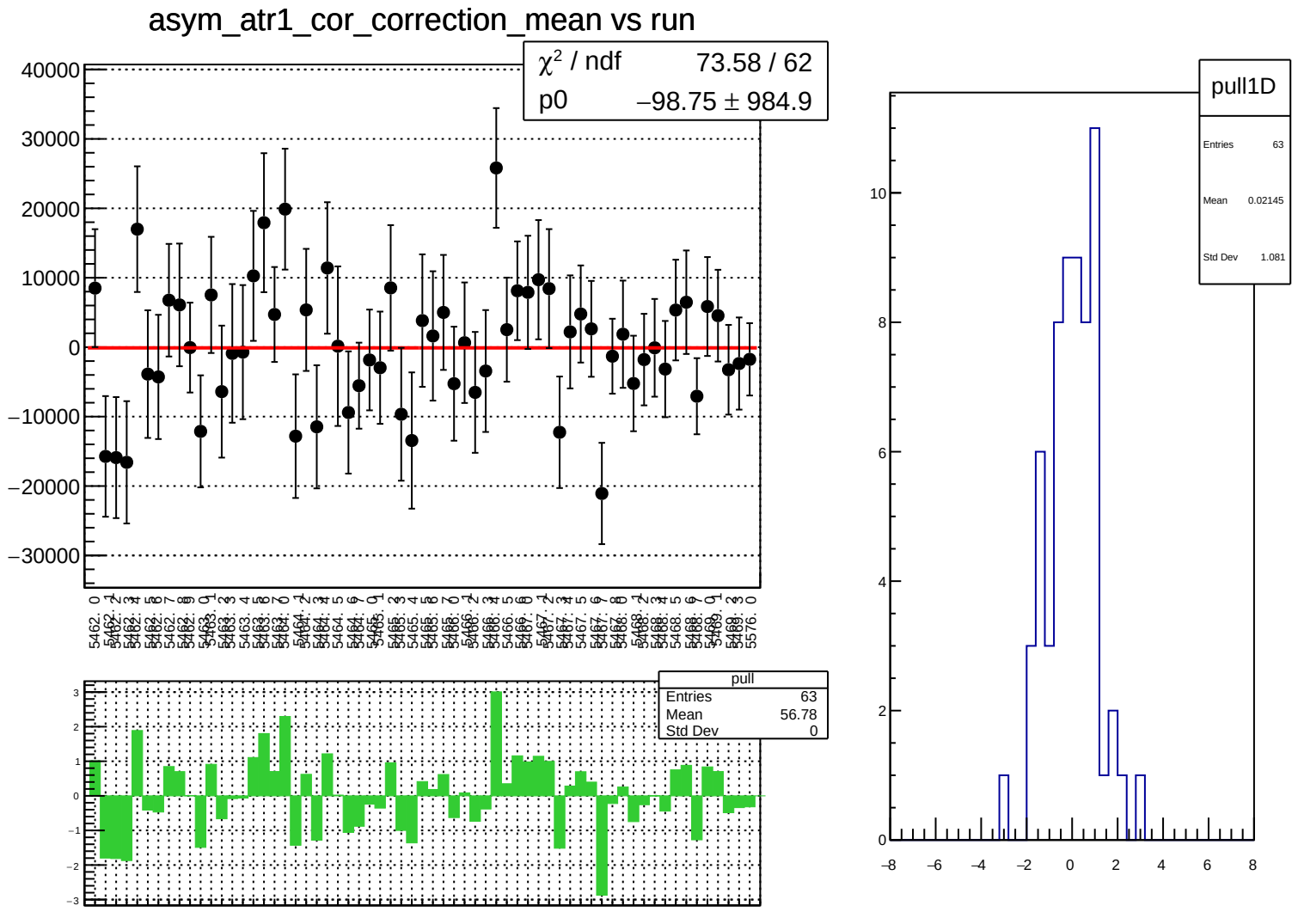

pull1D
Entries 63
Mean 0.02123
Std Dev 1.081

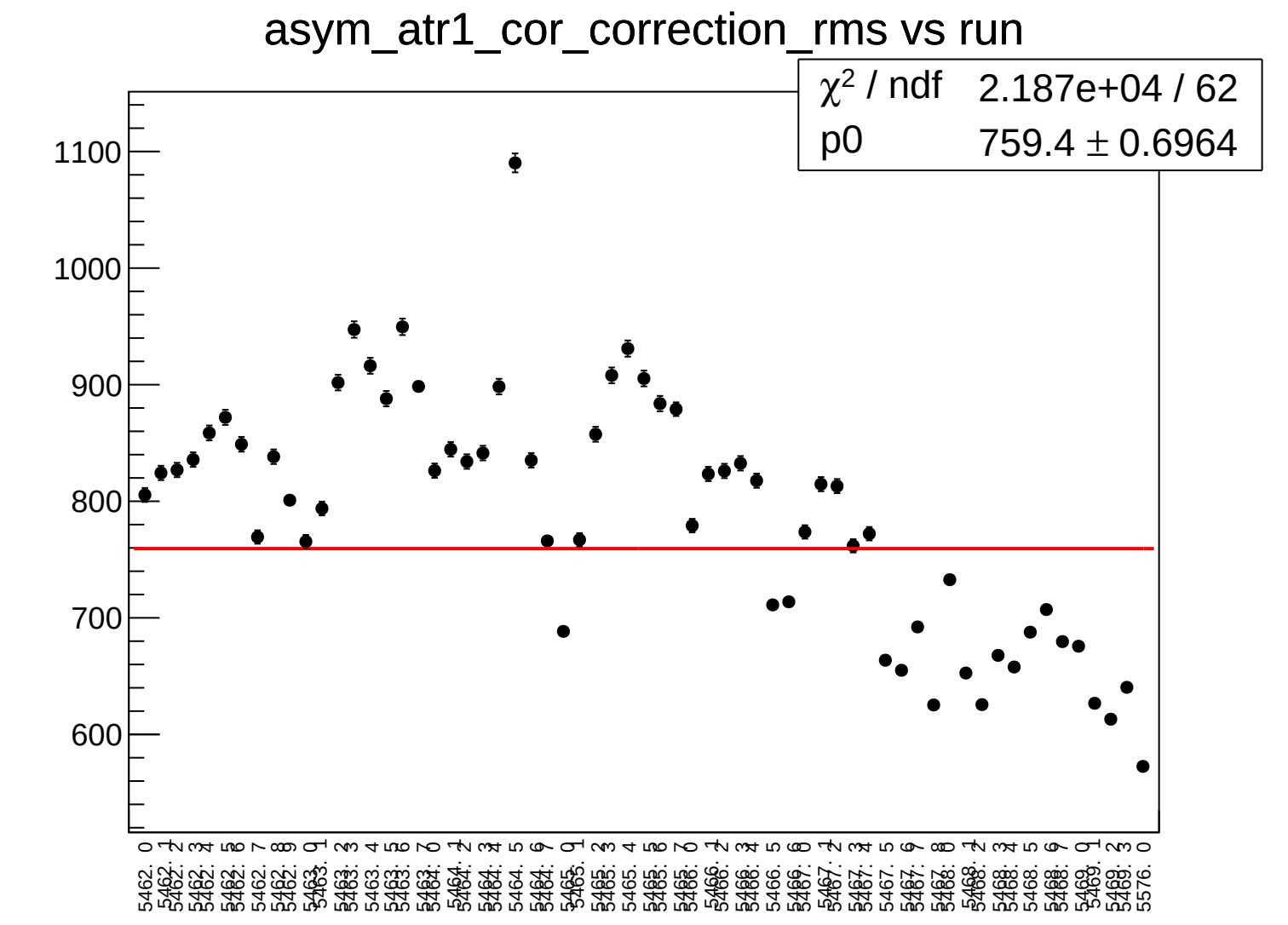

asym_atr1_reg_correction_rms vs run
χ² / ndf 2.181e+04 / 62
p0 759.7 ± 0.6967
1100
1000
900
800
700
600
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

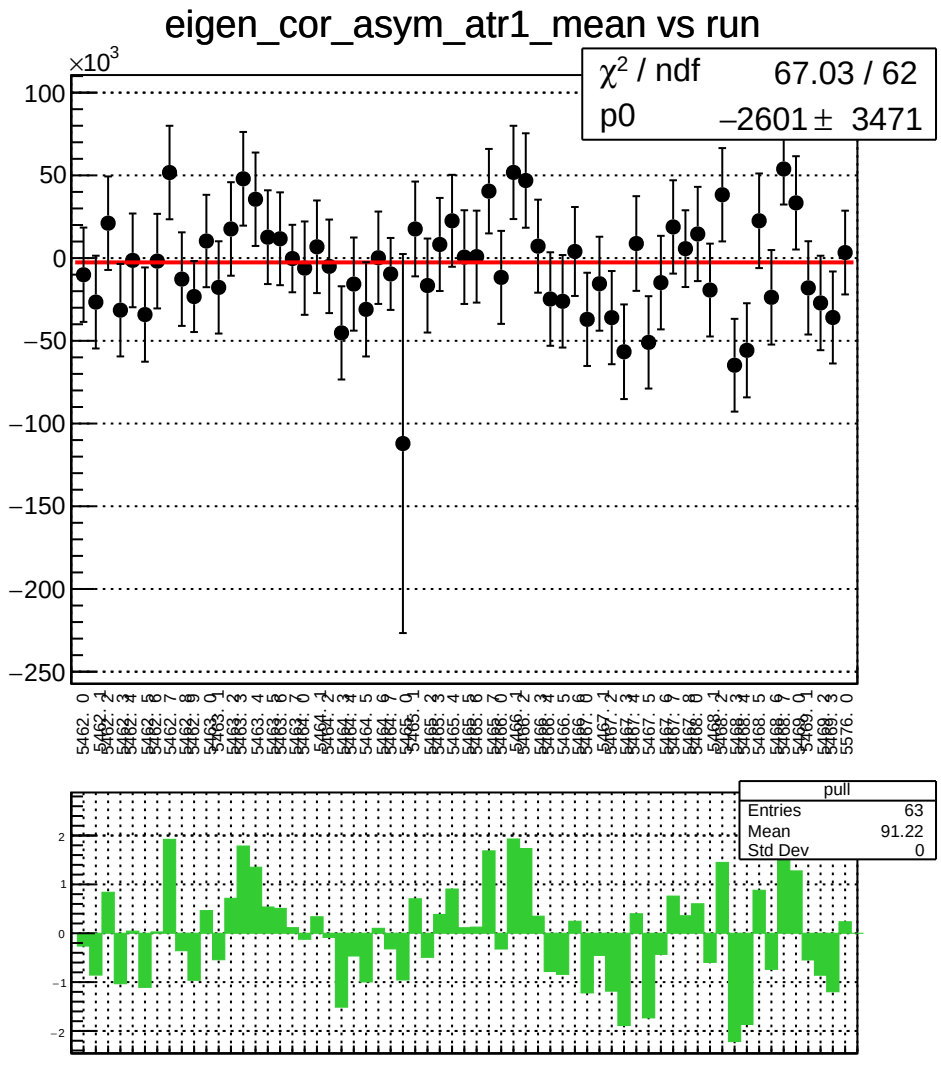

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 67.03 / 62
p0 −2601 ± 3471
pull
Entries 63
Mean 91.22
Std Dev 0

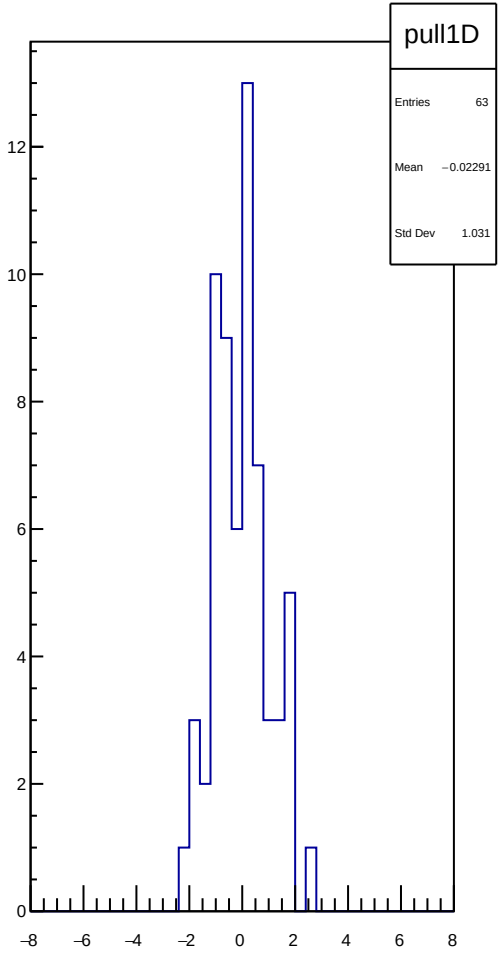

pull1D
Entries 63
Mean −0.02291
Std Dev 1.031

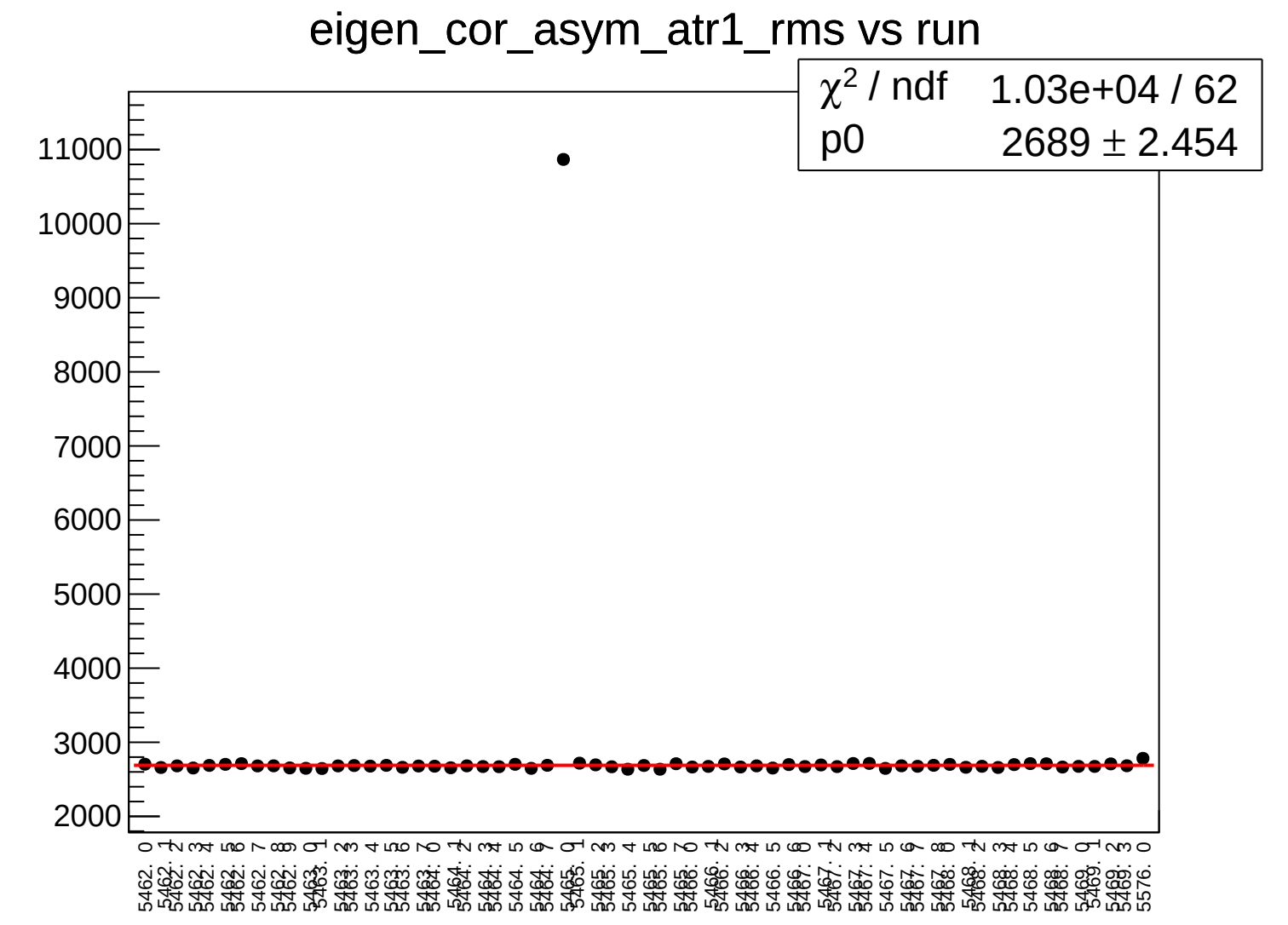

cor_asym_atr1_rms vs run
χ² / ndf 1.03e+04 / 62
p0 2689 ± 2.454
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

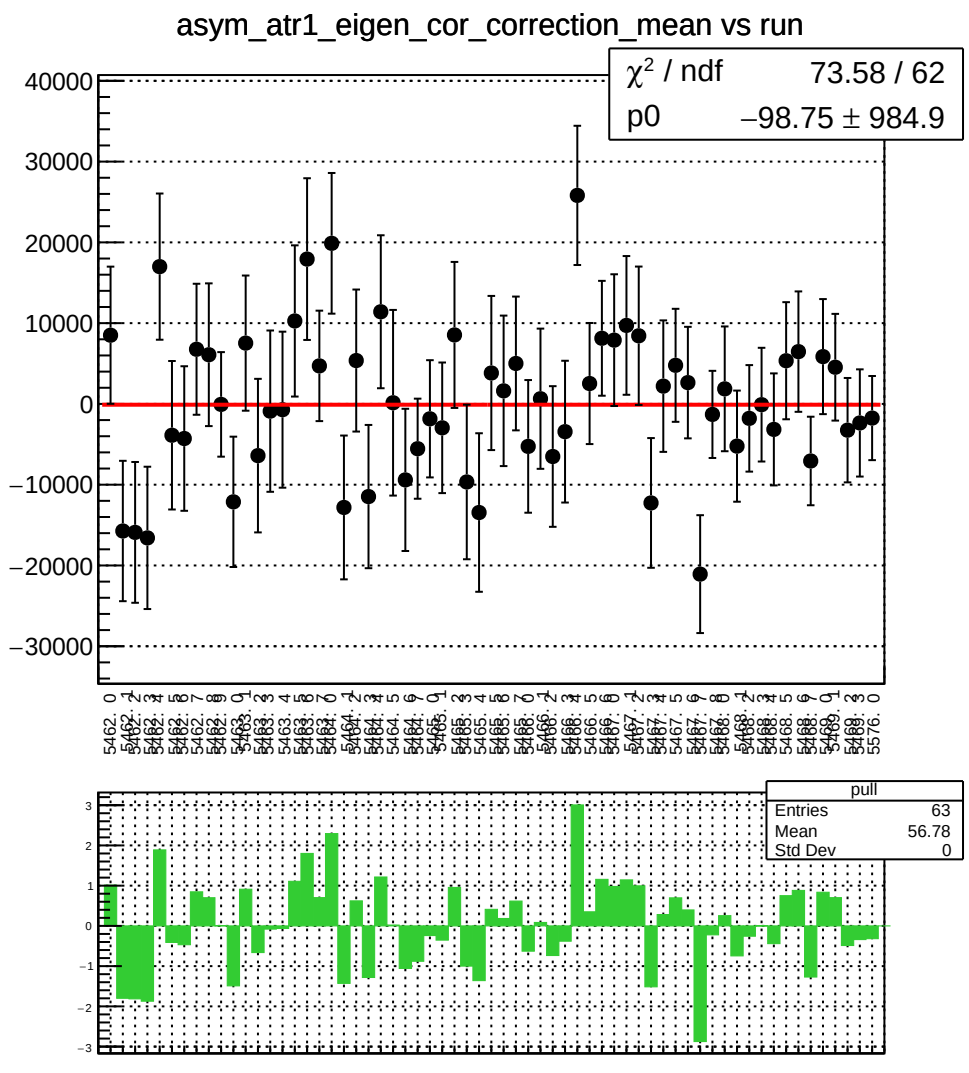

asym_atr1_cor_correction_mean vs run
χ² / ndf 73.58 / 62
p0 −98.75 ± 984.9
pull
Entries 63
Mean 56.78
Std Dev 0
pull1D
Entries 63
Mean 0.02145
Std Dev 1.081

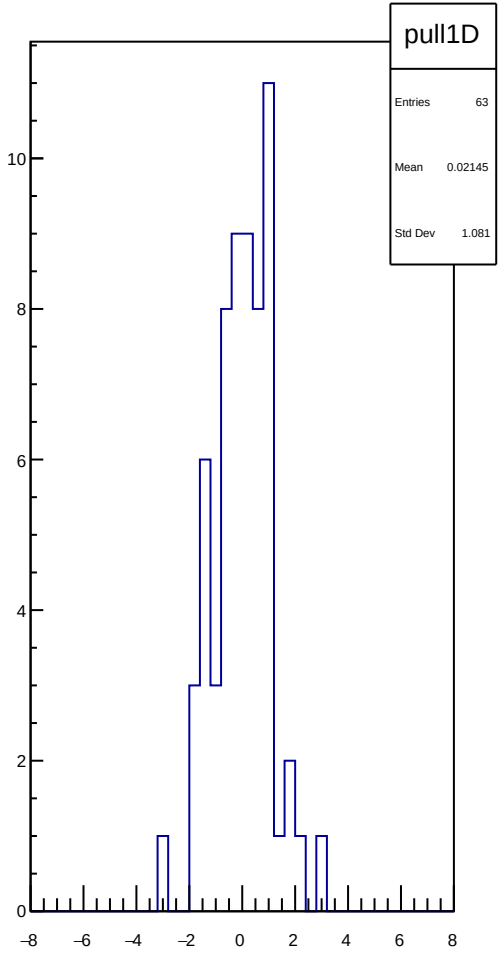

asym_atr1_cor_correction_rms vs run
χ² / ndf 2.187e+04 / 62
p0 759.4 ± 0.6964
1100
1000
900
800
700
600

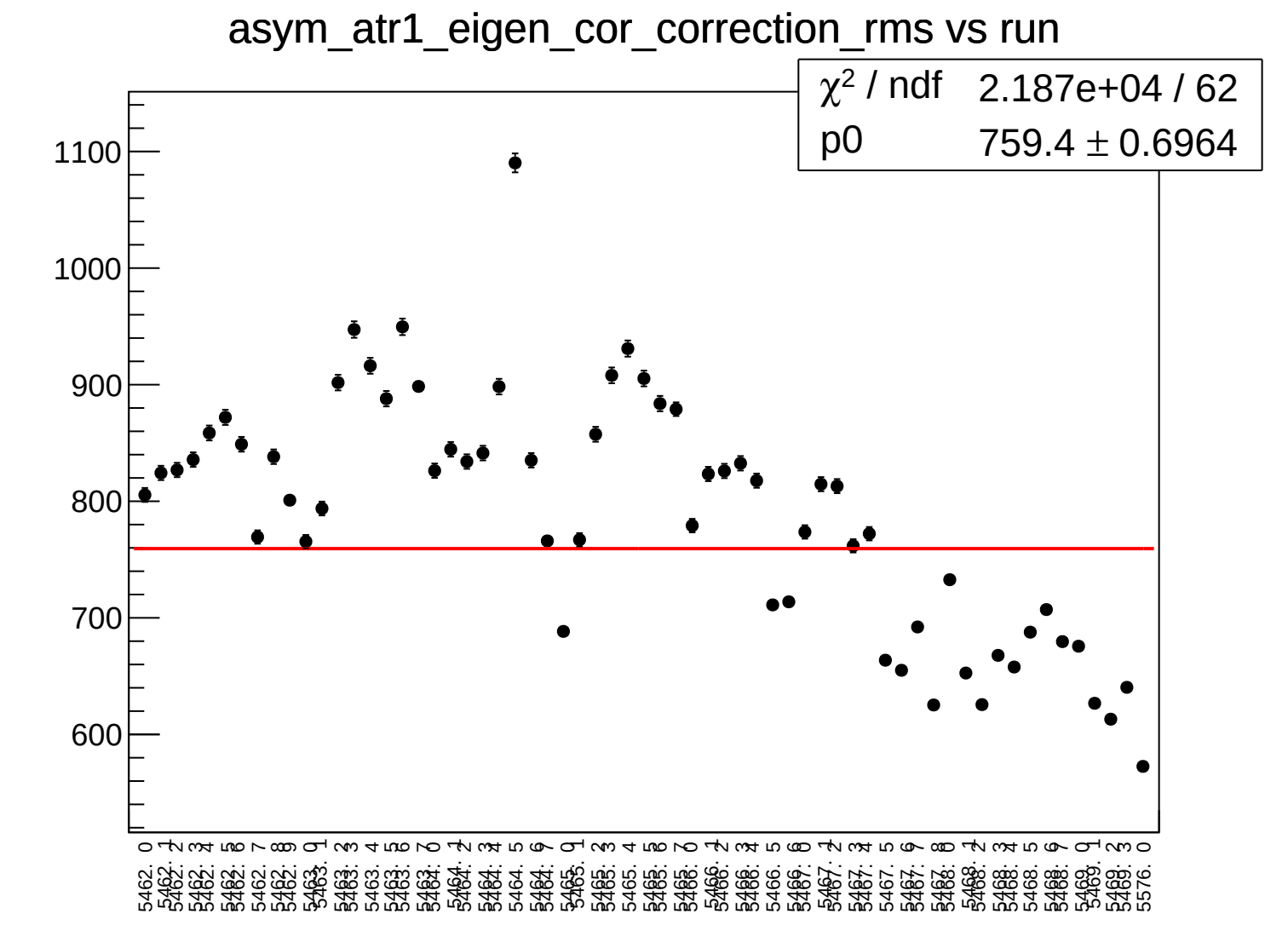

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 67.03 / 62
p0 −2601 ± 3471
pull
Entries 63
Mean 91.22
Std Dev 0


pull1D
Entries 63
Mean −0.02291
Std Dev 1.031


eigen_cor_asym_atr1_rms vs run
χ² / ndf 1.03e+04 / 62
p0 2689 ± 2.454
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 73.58 / 62
p0 −98.75 ± 984.9
pull
Entries 63
Mean 56.78
Std Dev 0


pull1D
Entries 63
Mean 0.02145
Std Dev 1.081


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 2.187e+04 / 62
p0 759.4 ± 0.6964
1100
1000
900
800
700
600
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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5466. 2
5466. 3
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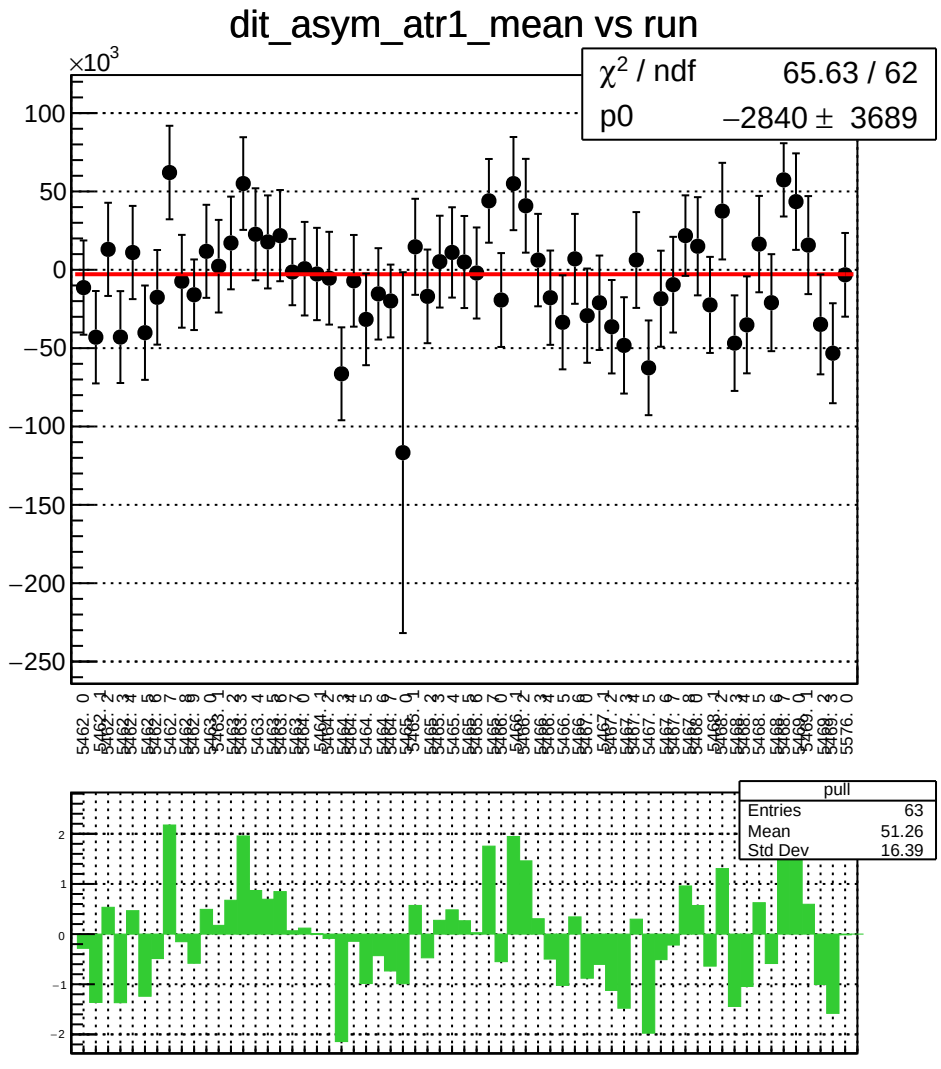
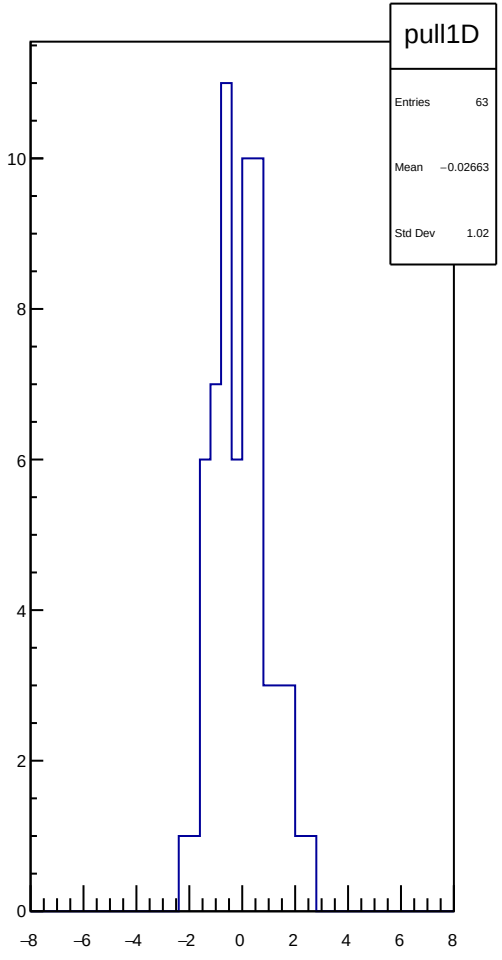
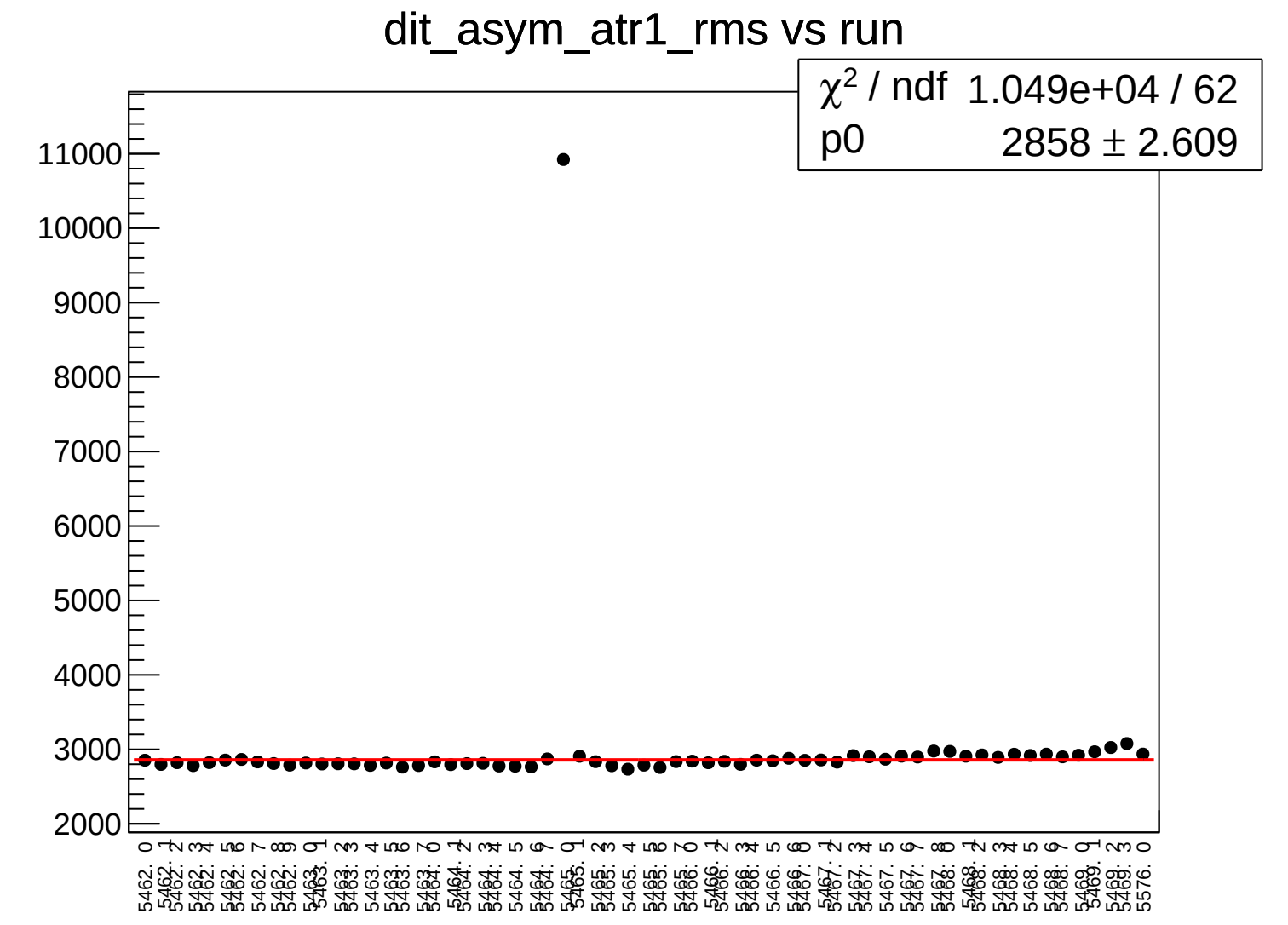
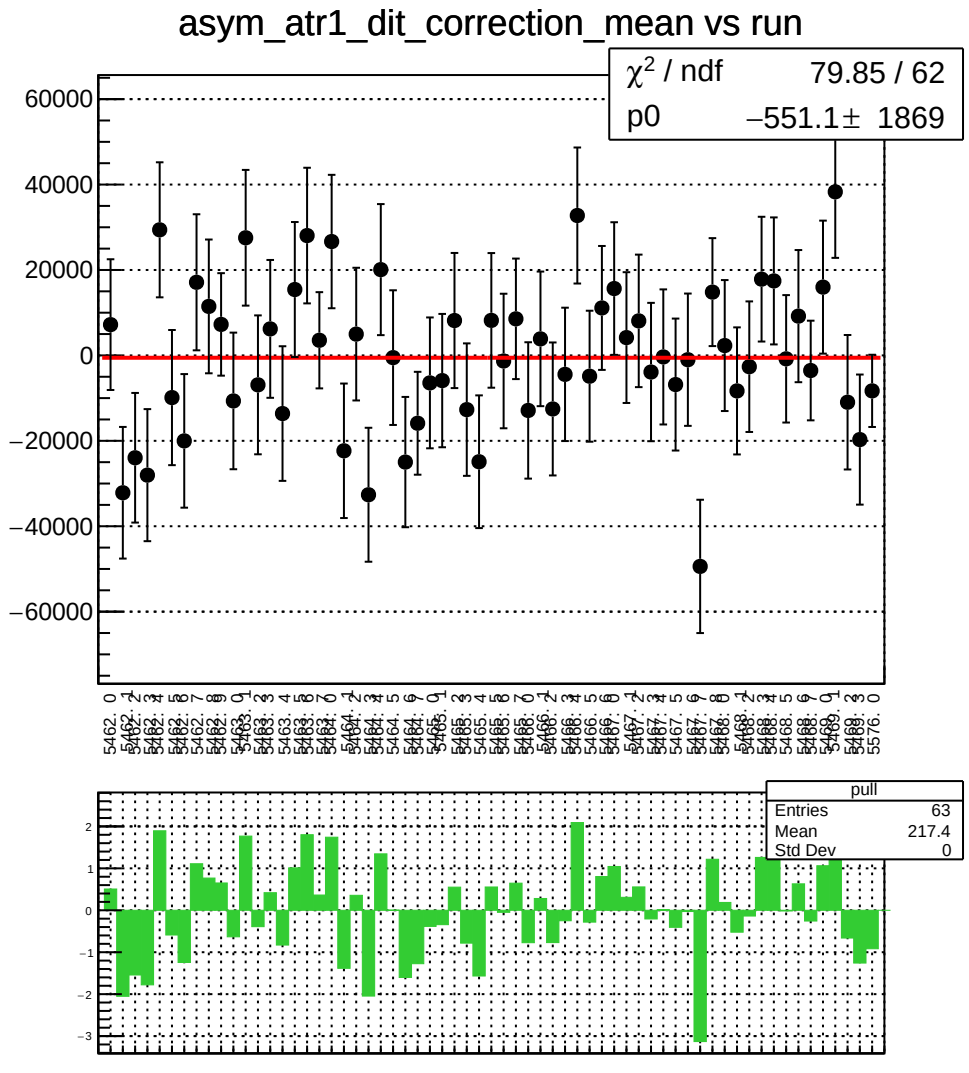
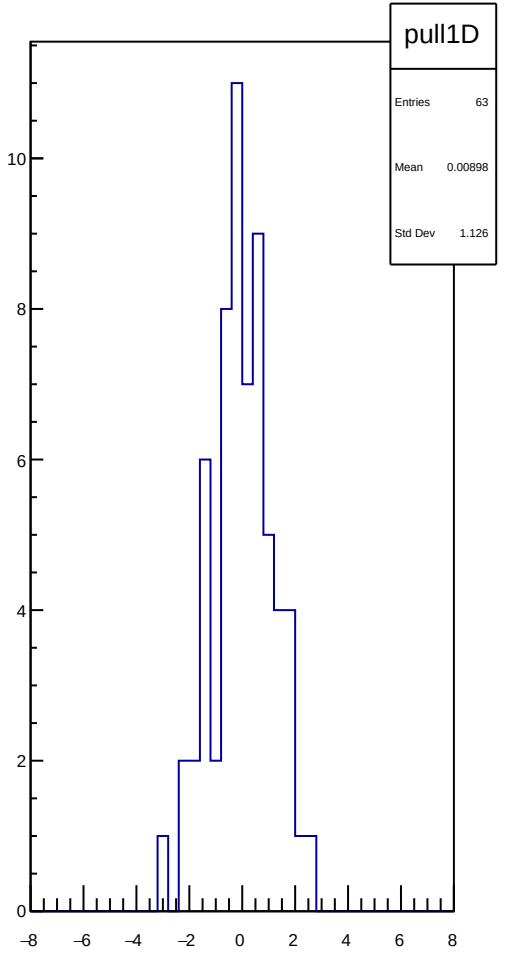
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

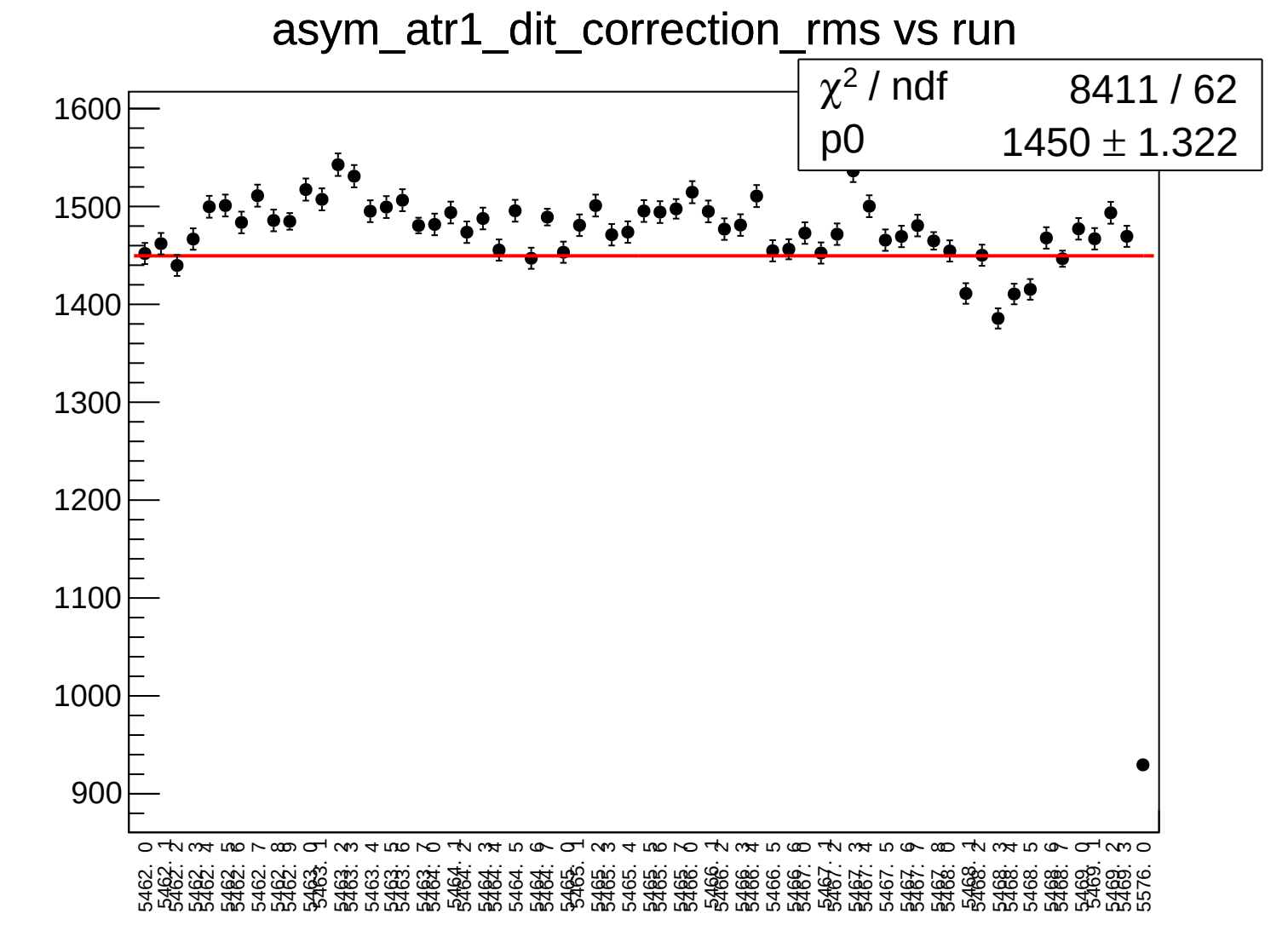

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 65.63 / 62
p0 −2840 ± 3689
pull
Entries 63
Mean 51.26
Std Dev 16.39

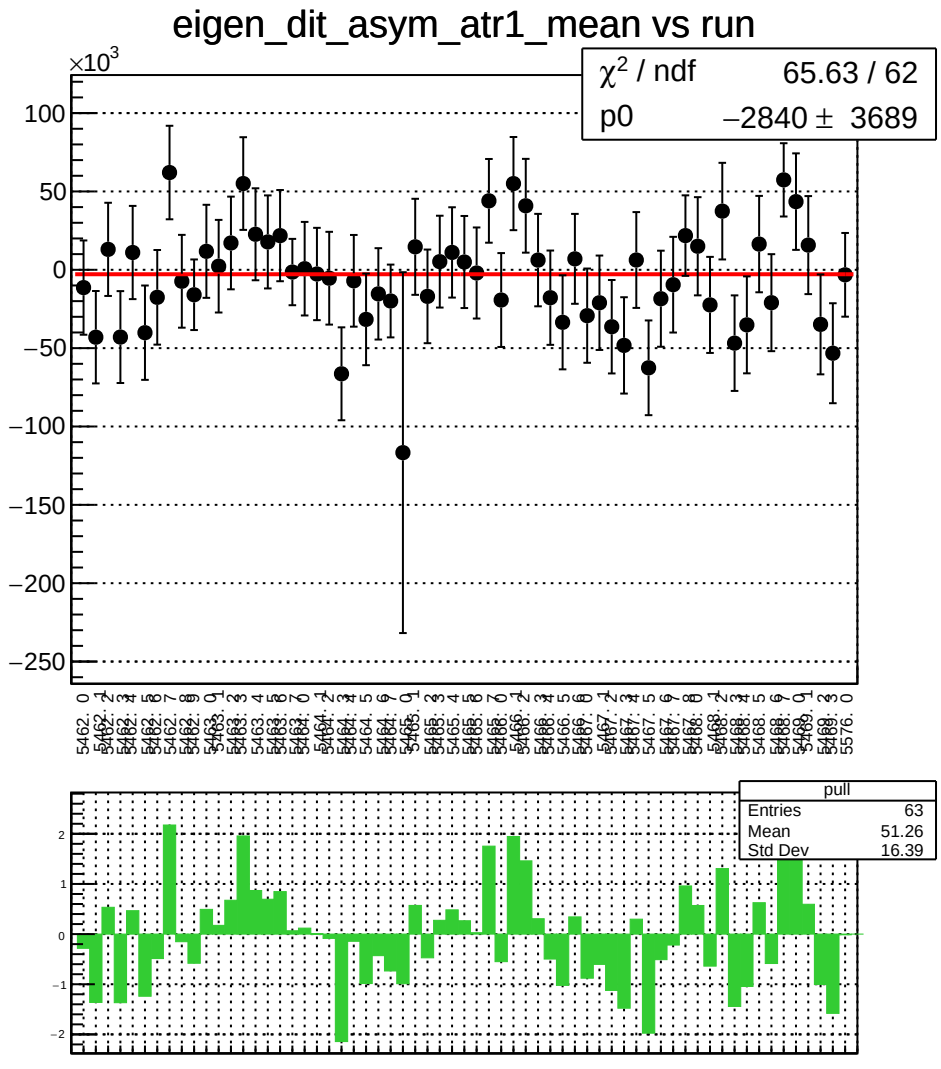

pull1D
Entries 63
Mean −0.02663
Std Dev 1.02

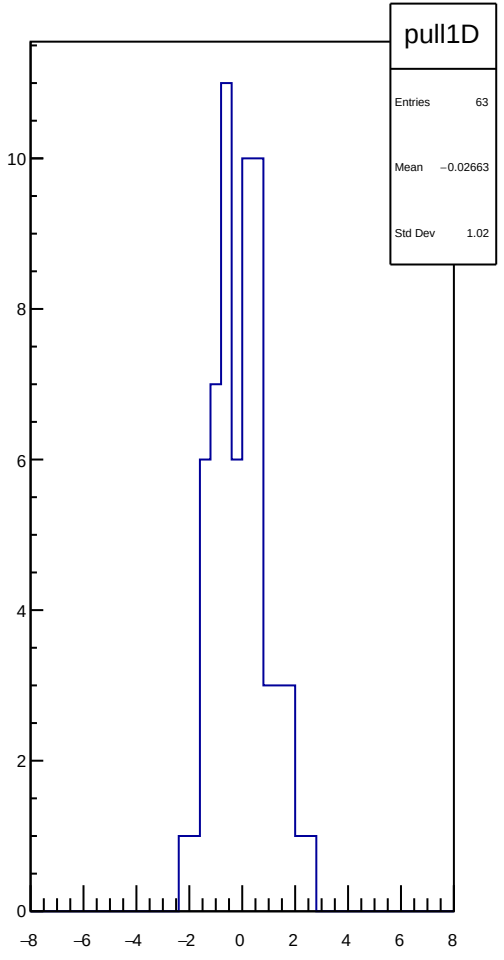

dit_asym_atr1_rms vs run
χ² / ndf 1.049e+04 / 62
p0 2858 ± 2.609
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

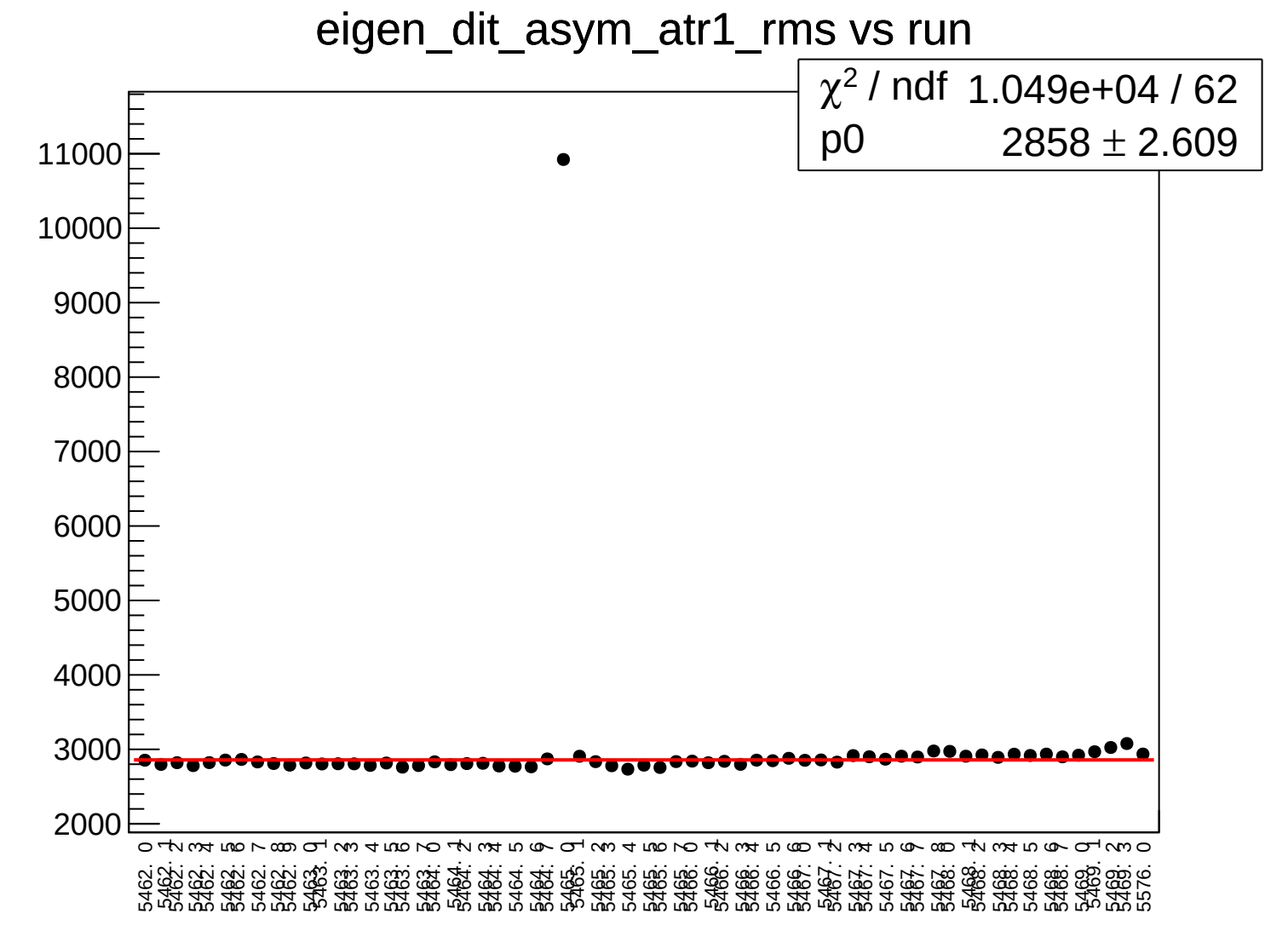

asym_atr1_dit_correction_mean vs run
χ² / ndf 79.85 / 62
p0 −551.1± 1869
pull
Entries 63
Mean 217.4
Std Dev 0


pull1D
Entries 63
Mean 0.00898
Std Dev 1.126


asym_atr1_dit_correction_rms vs run
χ² / ndf 8411 / 62
p0 1450 ± 1.322
1600
1500
1400
1300
1200
1100
1000
900


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 65.63 / 62
p0 −2840 ± 3689
100
50
0
−50
−100
−150
−200
−250
pull
Entries 63
Mean 51.26
Std Dev 16.39
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.02663
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ^2 / ndf 1.049e+04 / 62
p0 2858 ± 2.609
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
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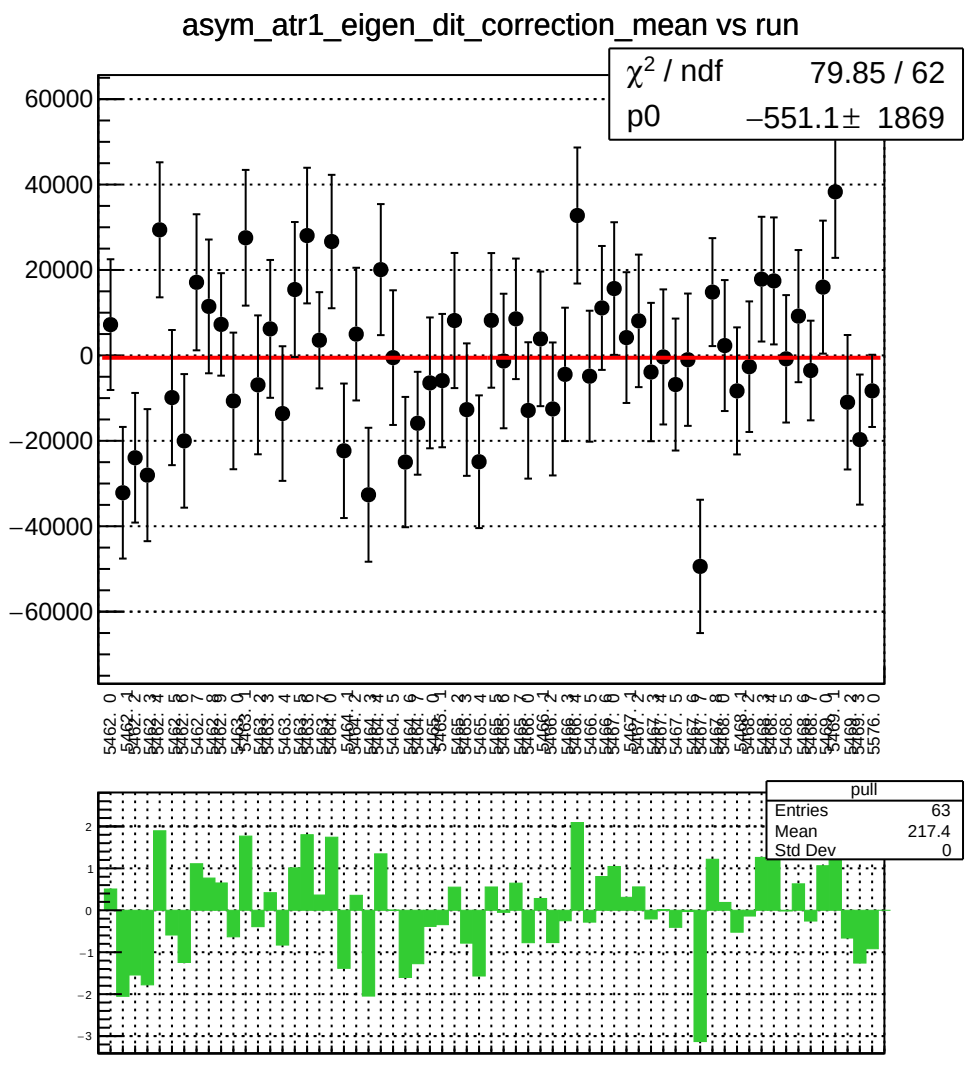
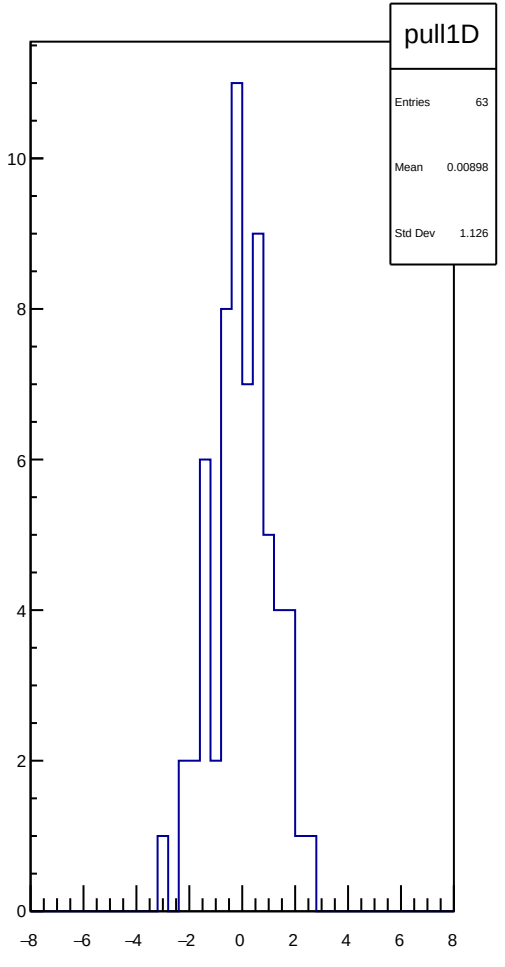
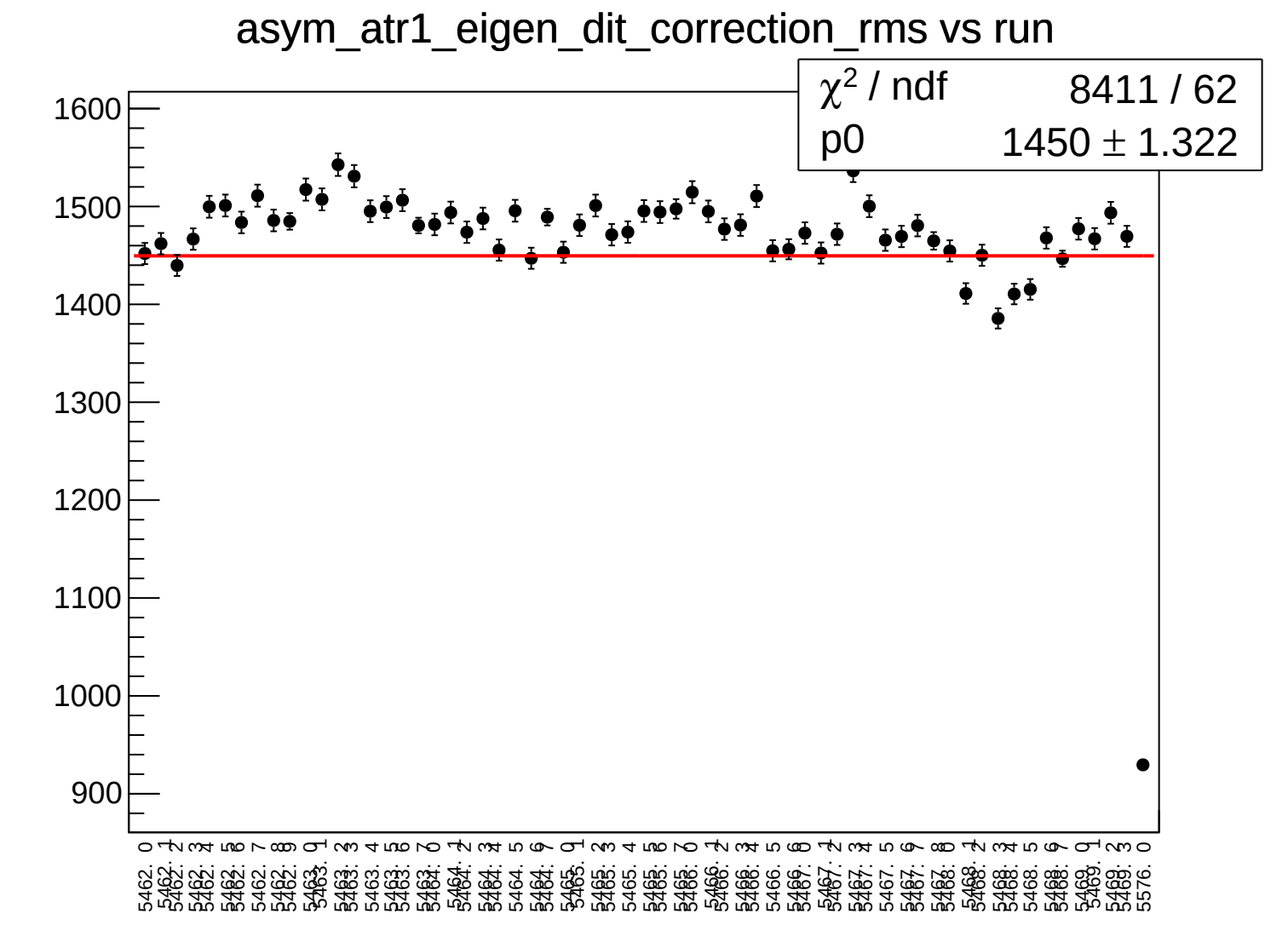
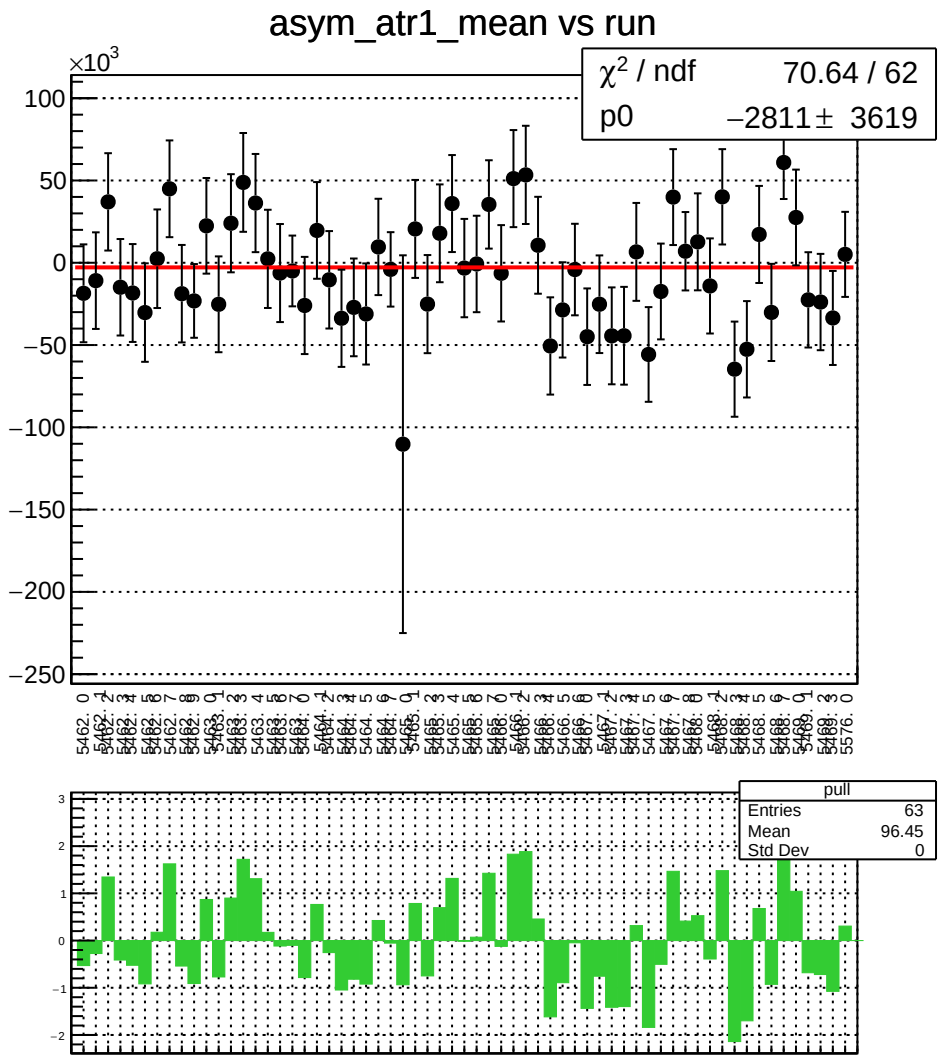
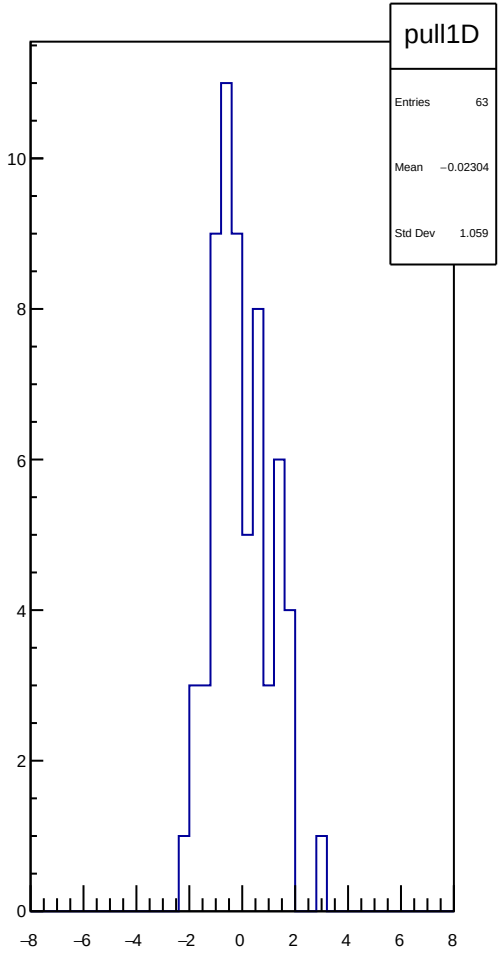
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

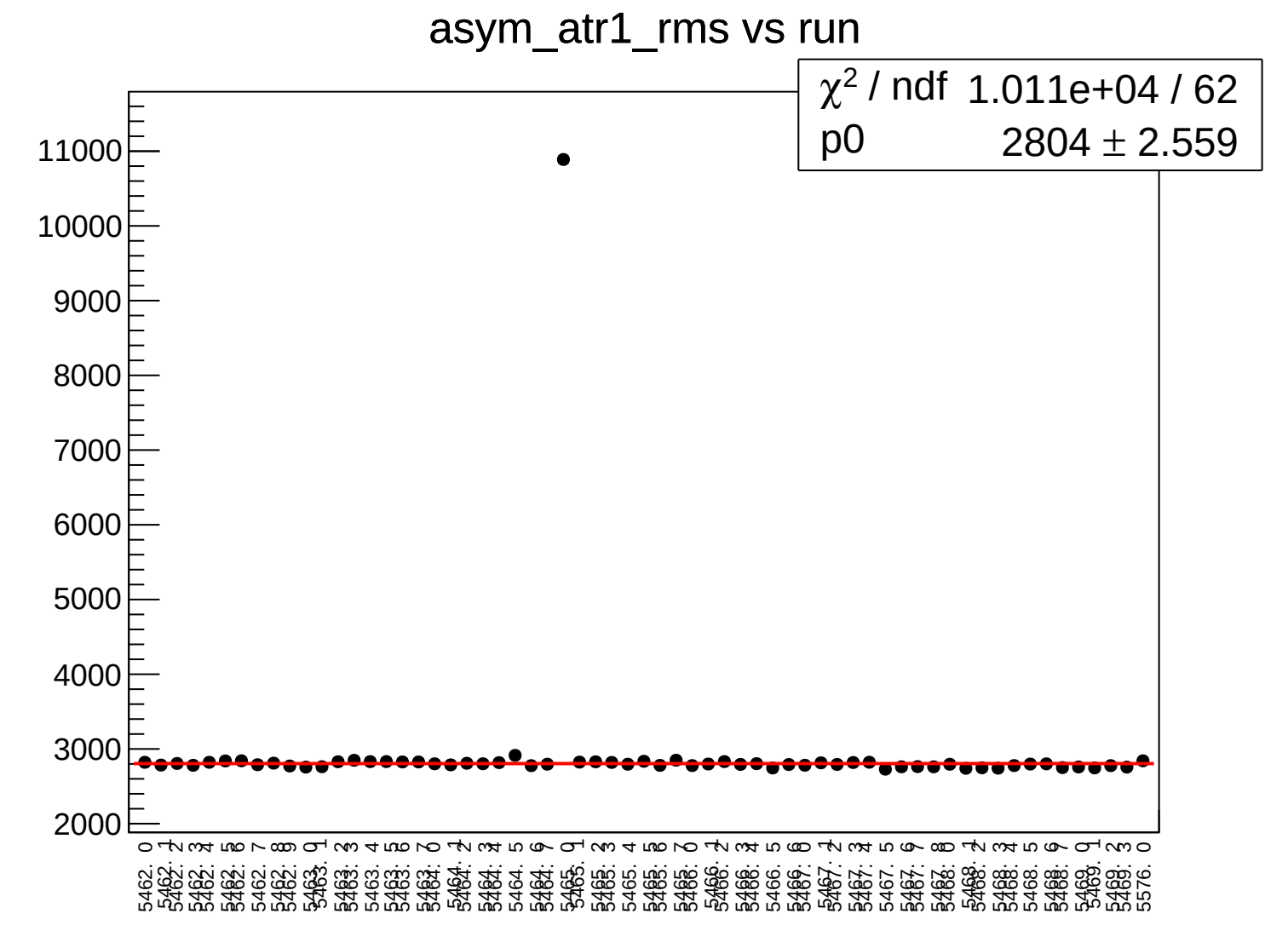

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 79.85 / 62
p0 −551.1± 1869
pull
Entries 63
Mean 217.4
Std Dev 0

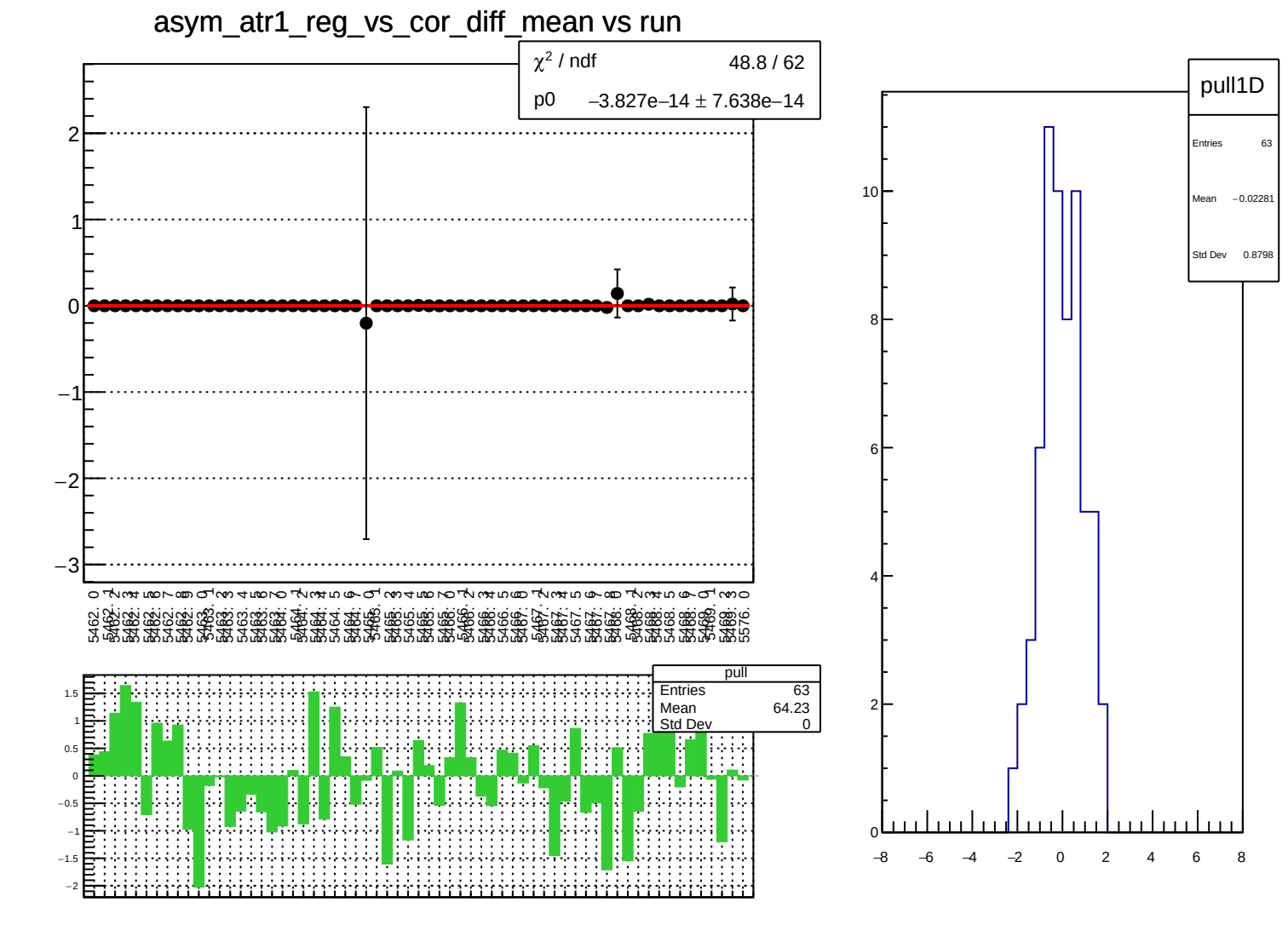

pull1D
Entries 63
Mean 0.00898
Std Dev 1.126

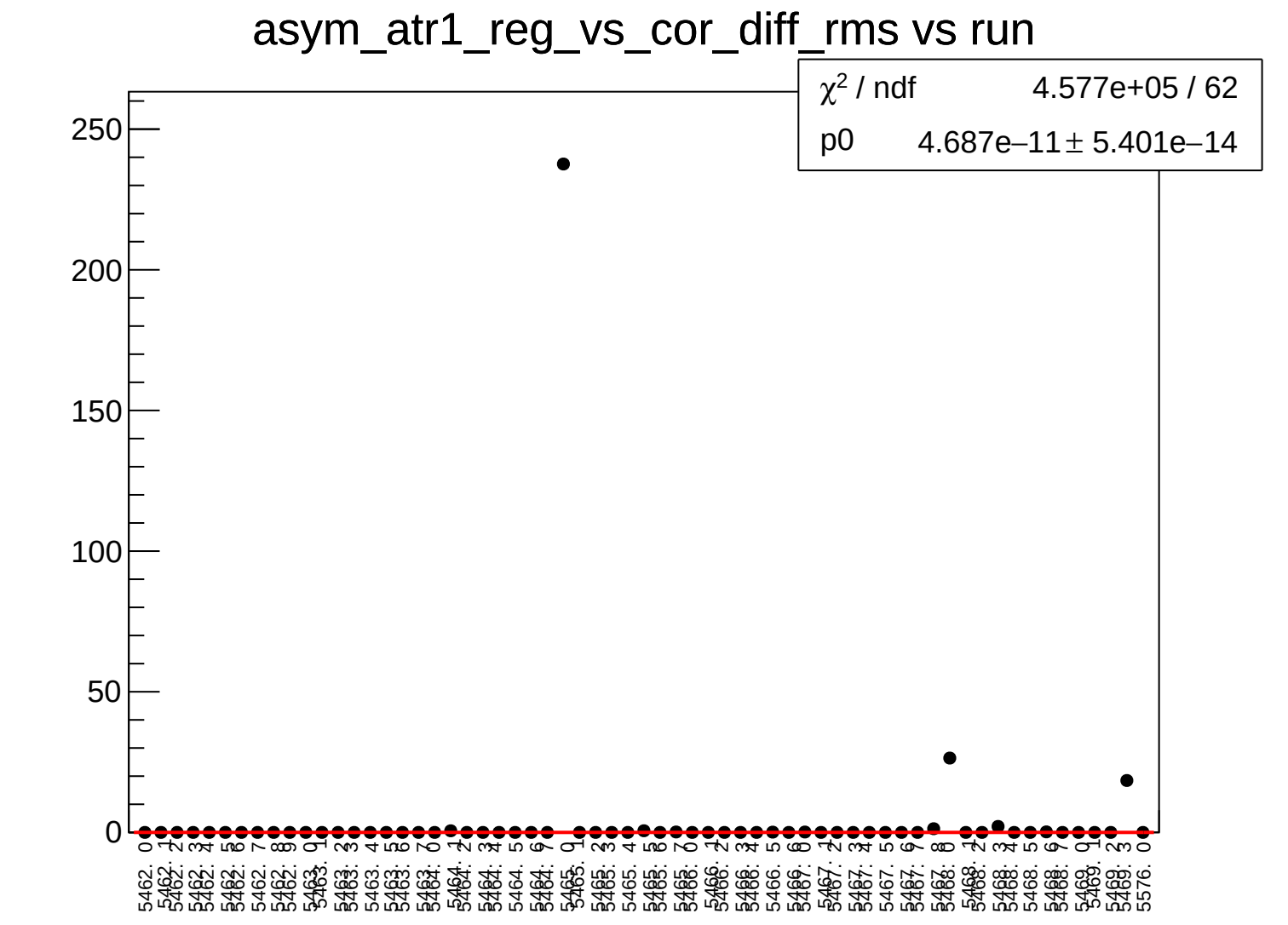

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 8411 / 62
p0 1450 ± 1.322
1600
1500
1400
1300
1200
1100
1000
900

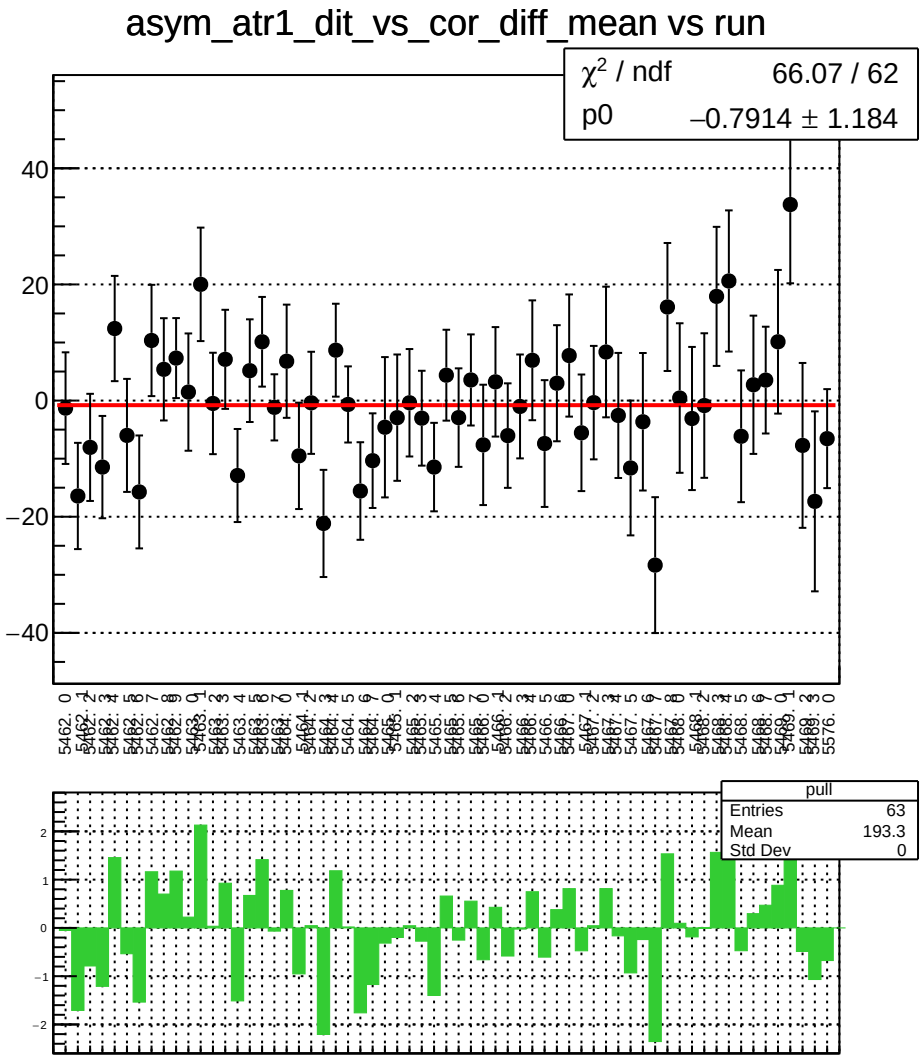

asym_atr1_mean vs run
×10^3
χ² / ndf 70.64 / 62
p0 −2811 ± 3619
pull
Entries 63
Mean 96.45
Std Dev 0

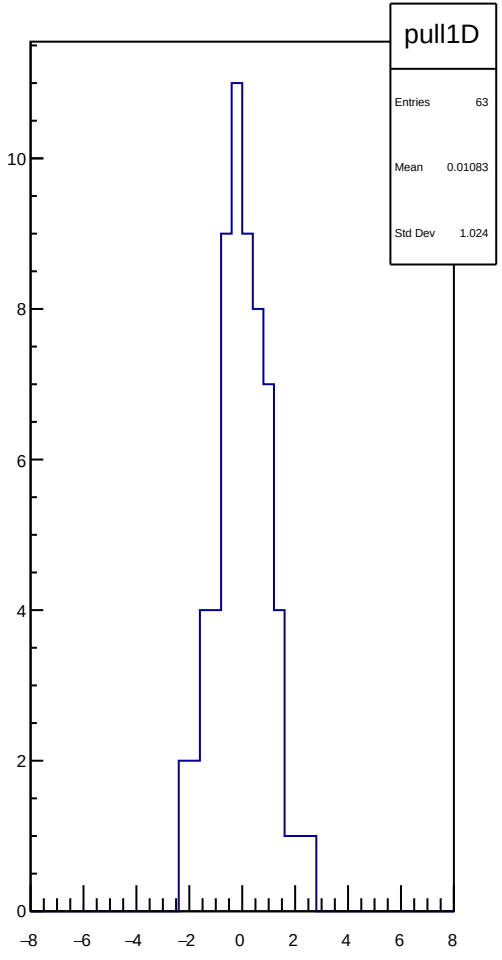

pull1D
Entries 63
Mean −0.02304
Std Dev 1.059

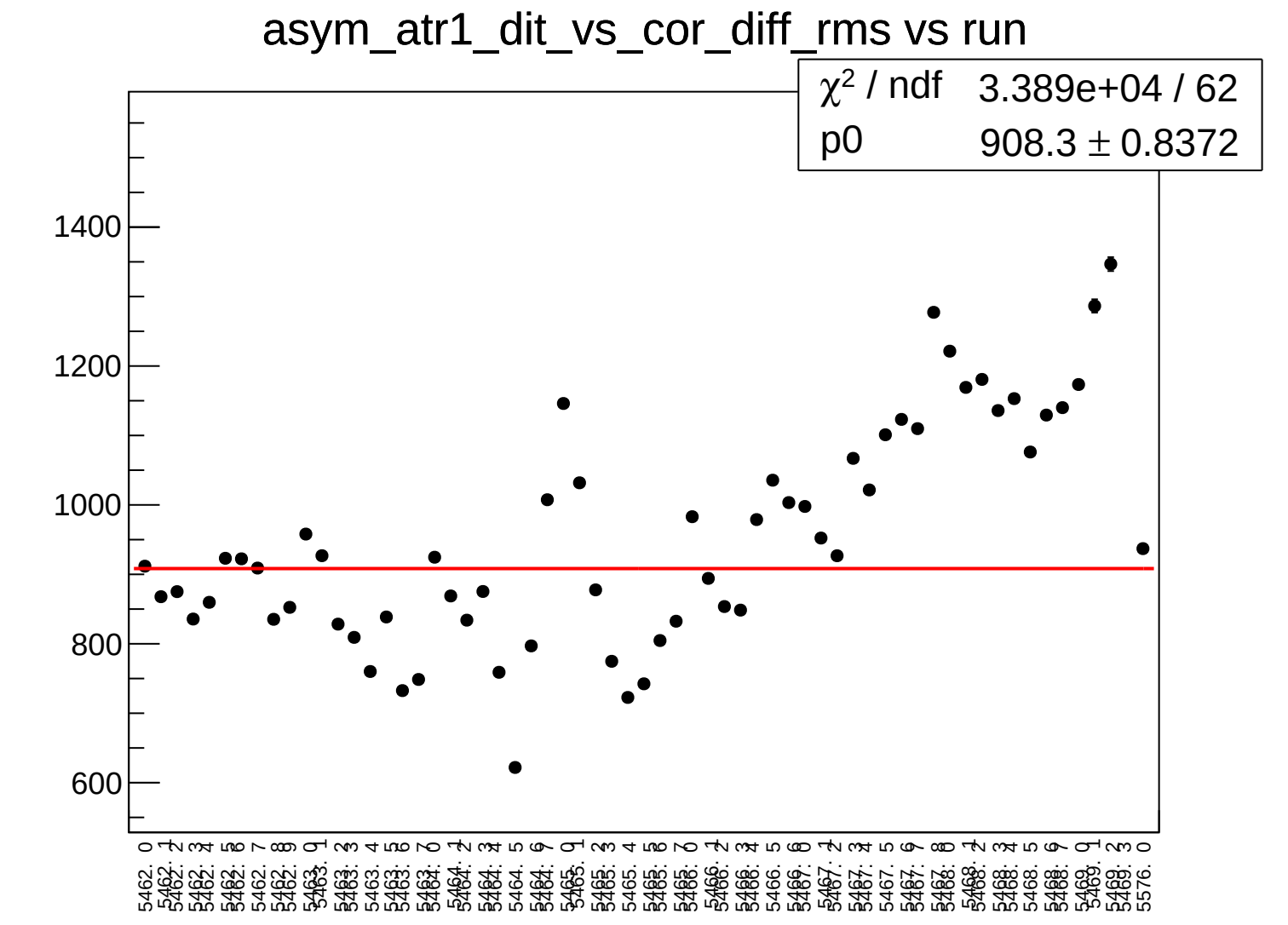

asym_atr1_rms vs run
χ² / ndf 1.011e+04 / 62
p0 2804 ± 2.559
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

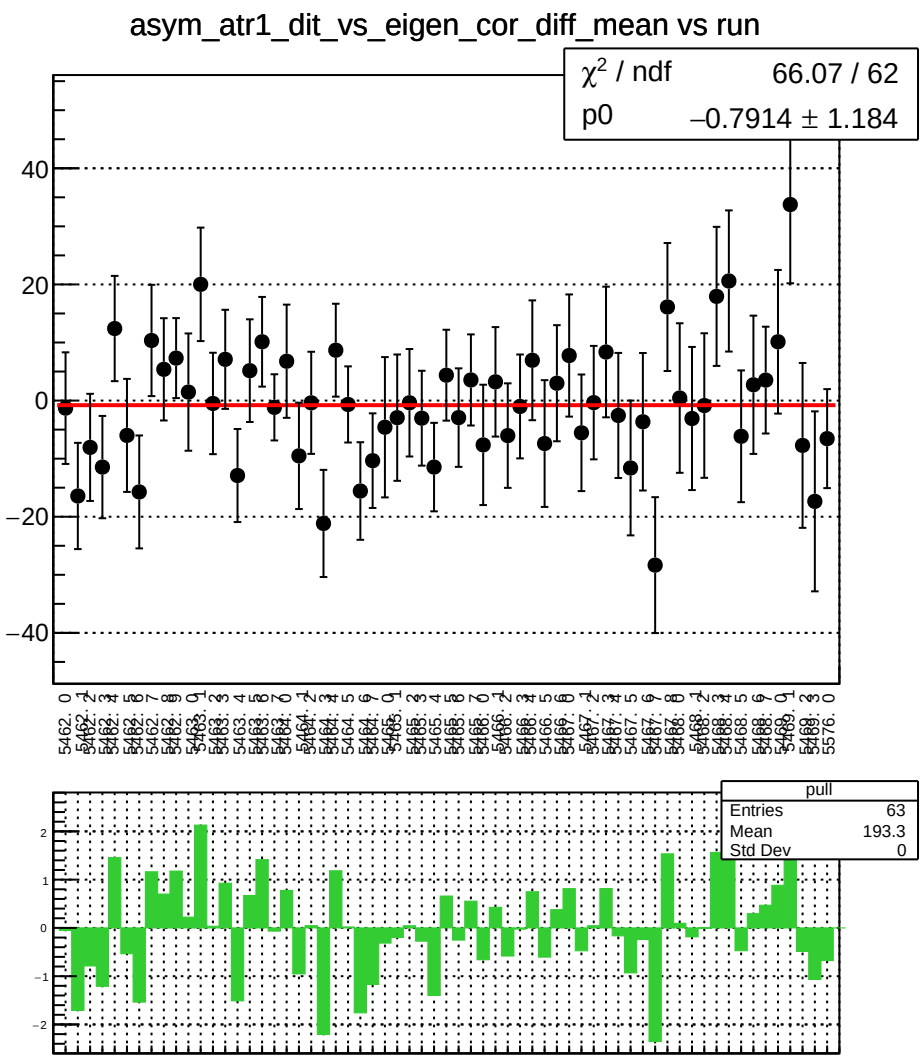

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 62
p0 −3.827e−14 ± 7.638e−14
pull
Entries 63
Mean 64.23
Std Dev 0
pull1D
Entries 63
Mean −0.02281
Std Dev 0.8798

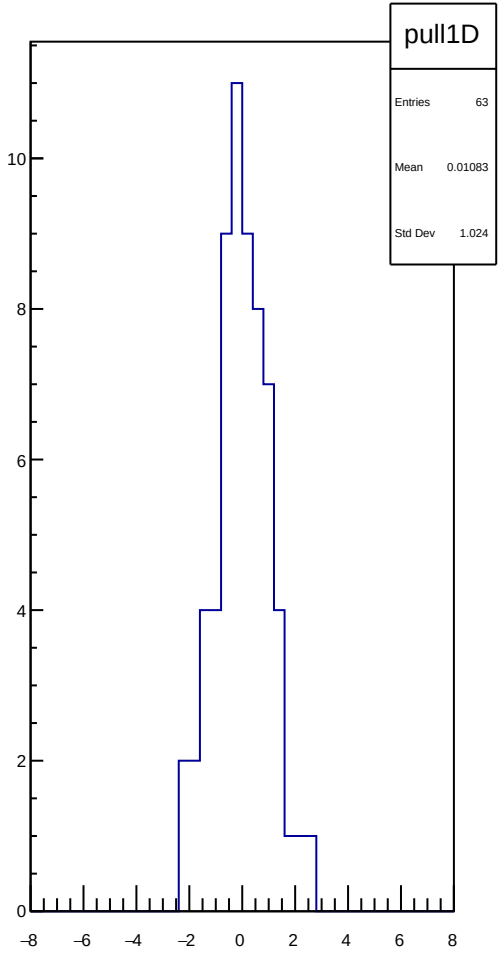

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 4.577e+05 / 62
p0 4.687e−11 ± 5.401e−14
250
200
150
100
50
0

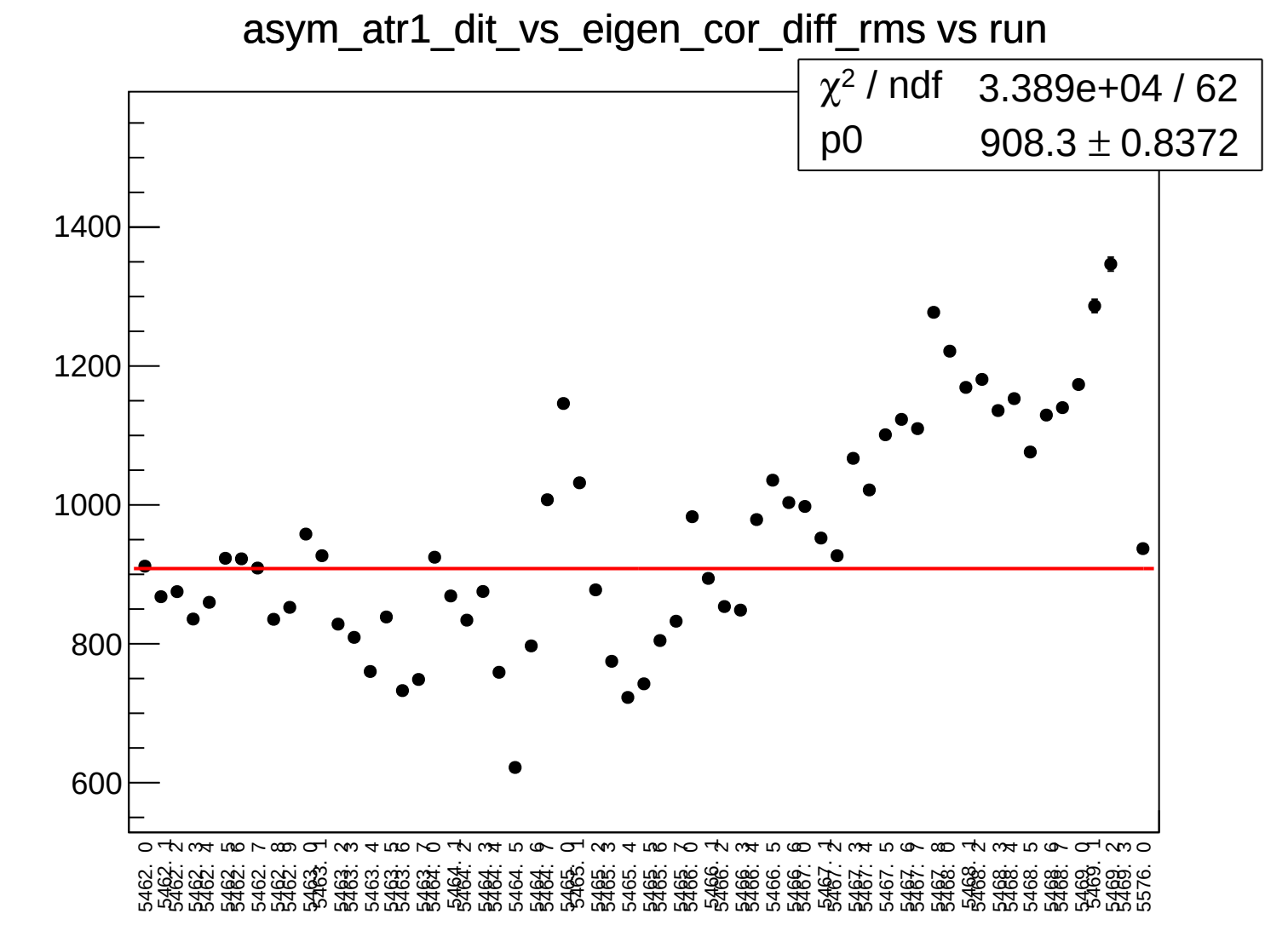

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 66.07 / 62
p0 −0.7914 ± 1.184
pull
Entries 63
Mean 193.3
Std Dev 0

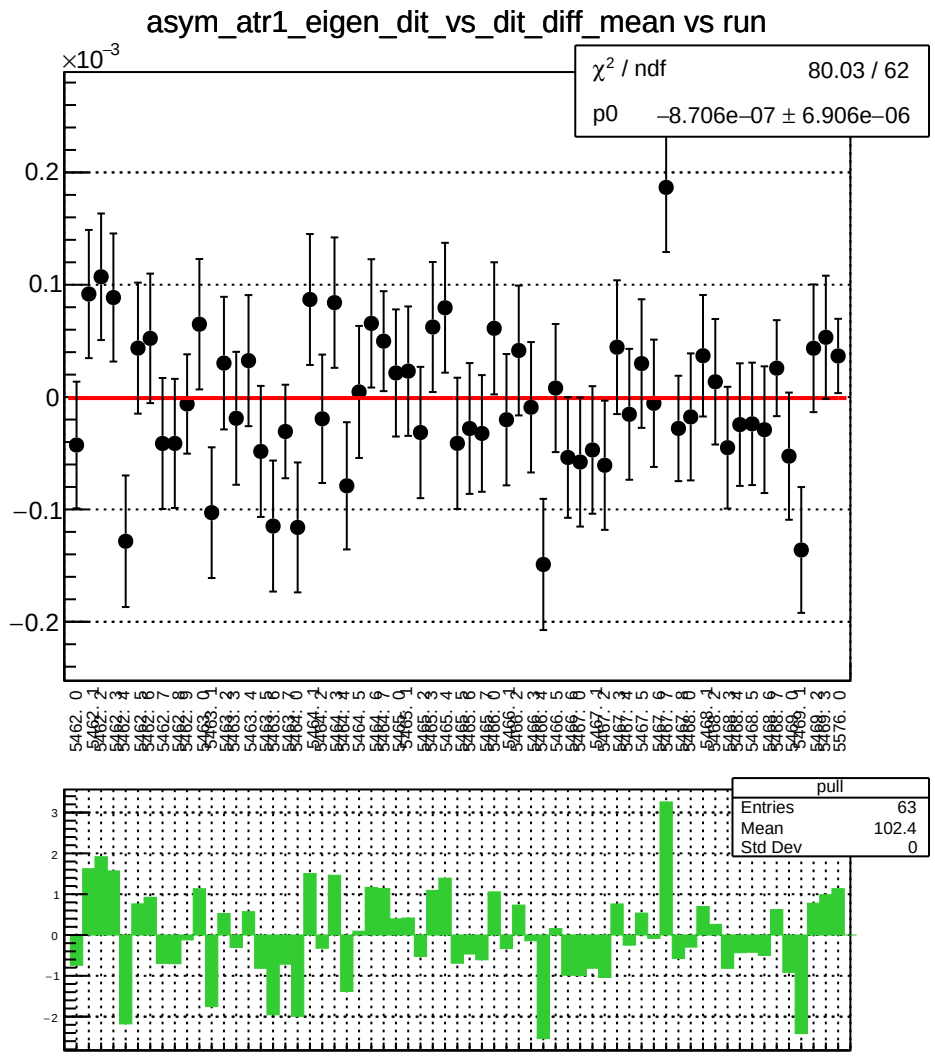

pull1D
Entries 63
Mean 0.01083
Std Dev 1.024

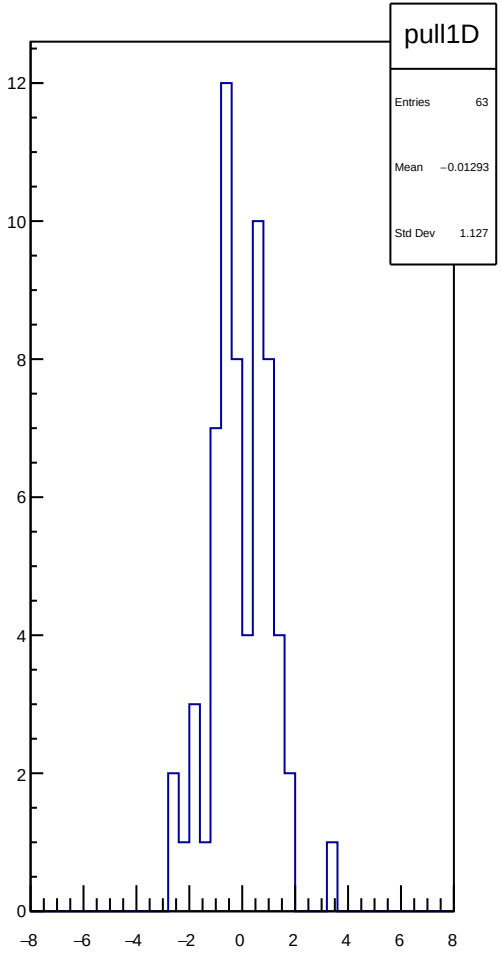

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 3.389e+04 / 62
p0 908.3 ± 0.8372
1400
1200
1000
800
600

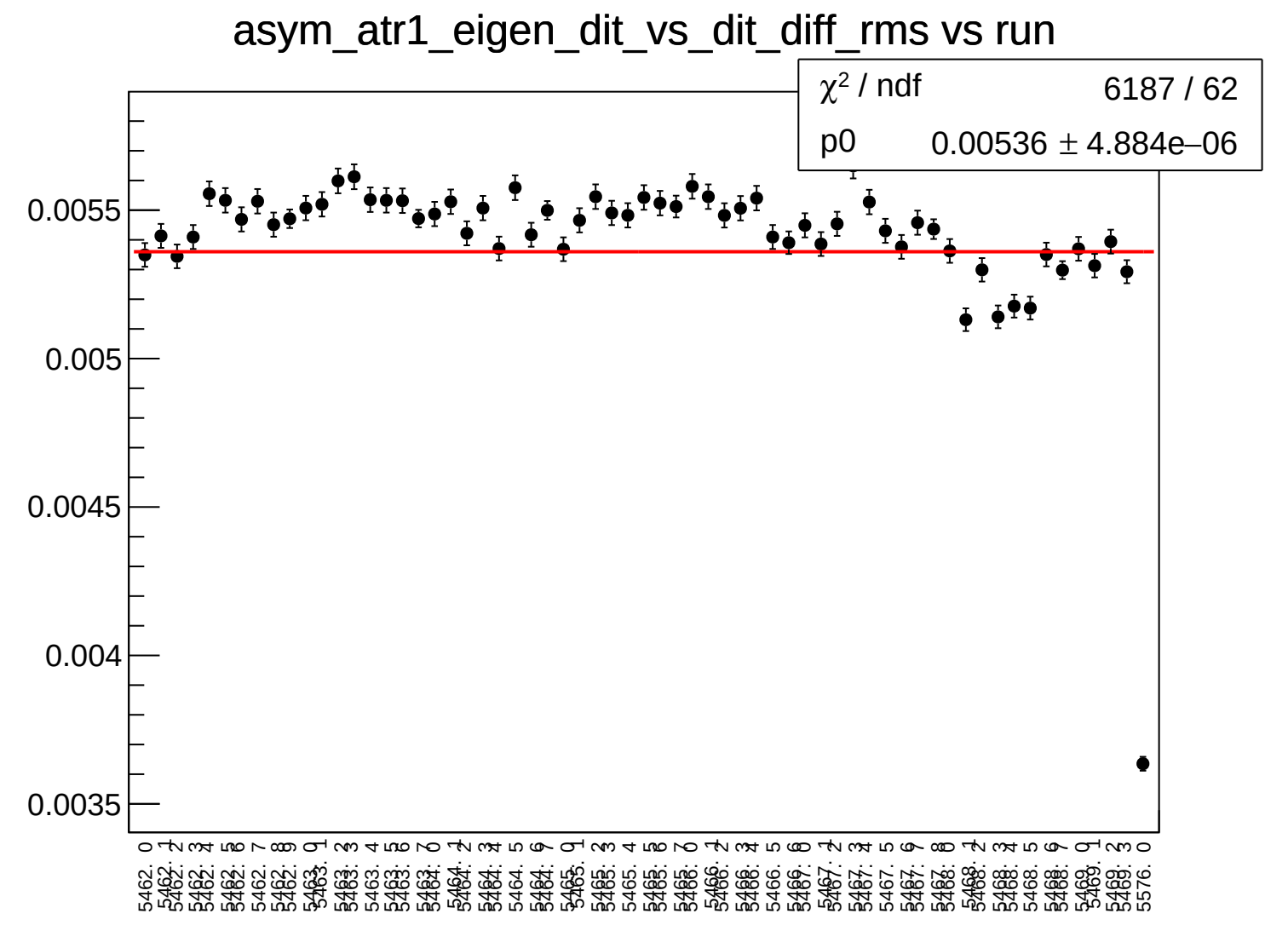

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.07 / 62
p0 −0.7914 ± 1.184
pull
Entries 63
Mean 193.3
Std Dev 0

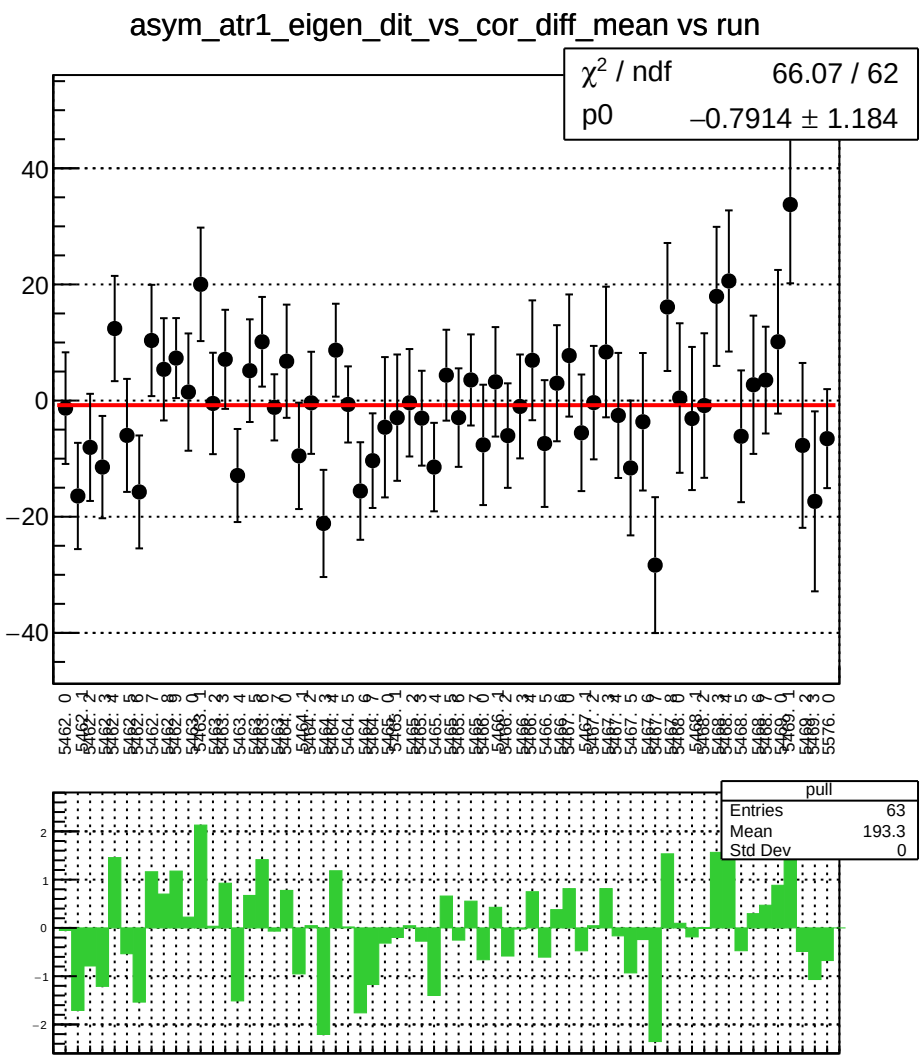

pull1D
Entries 63
Mean 0.01083
Std Dev 1.024

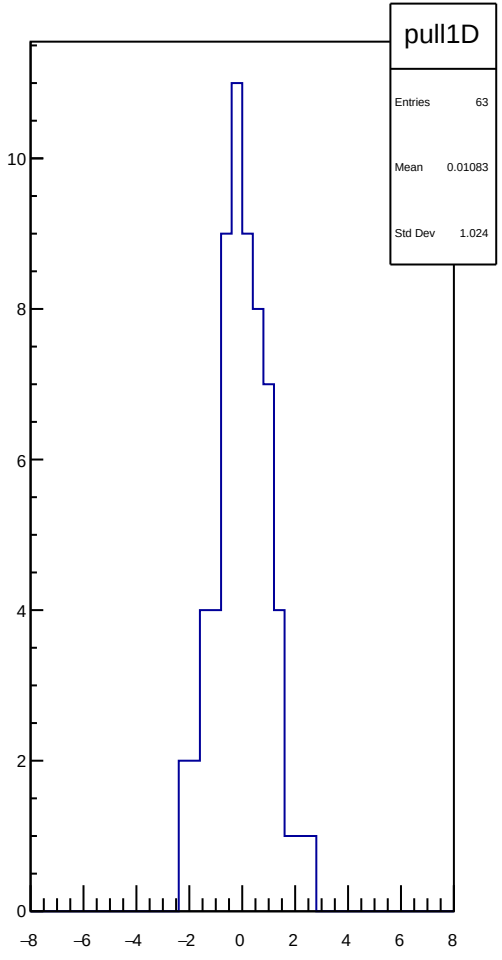

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.389e+04 / 62
p0 908.3 ± 0.8372
1400
1200
1000
800
600

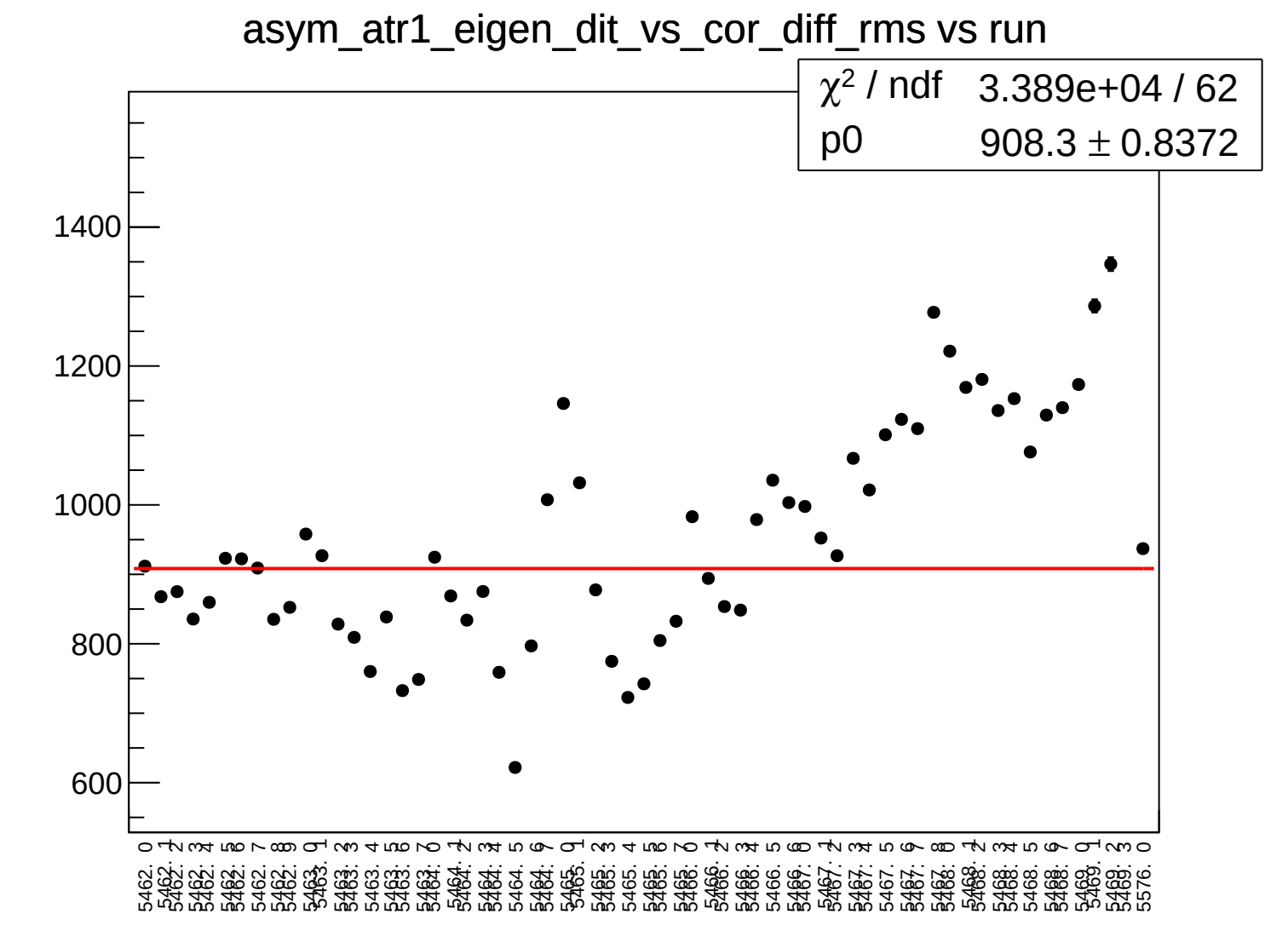

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.03 / 62
p0 −8.706e−07 ± 6.906e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 63
Mean 102.4
Std Dev 0
3
2
1
0
−1
−2

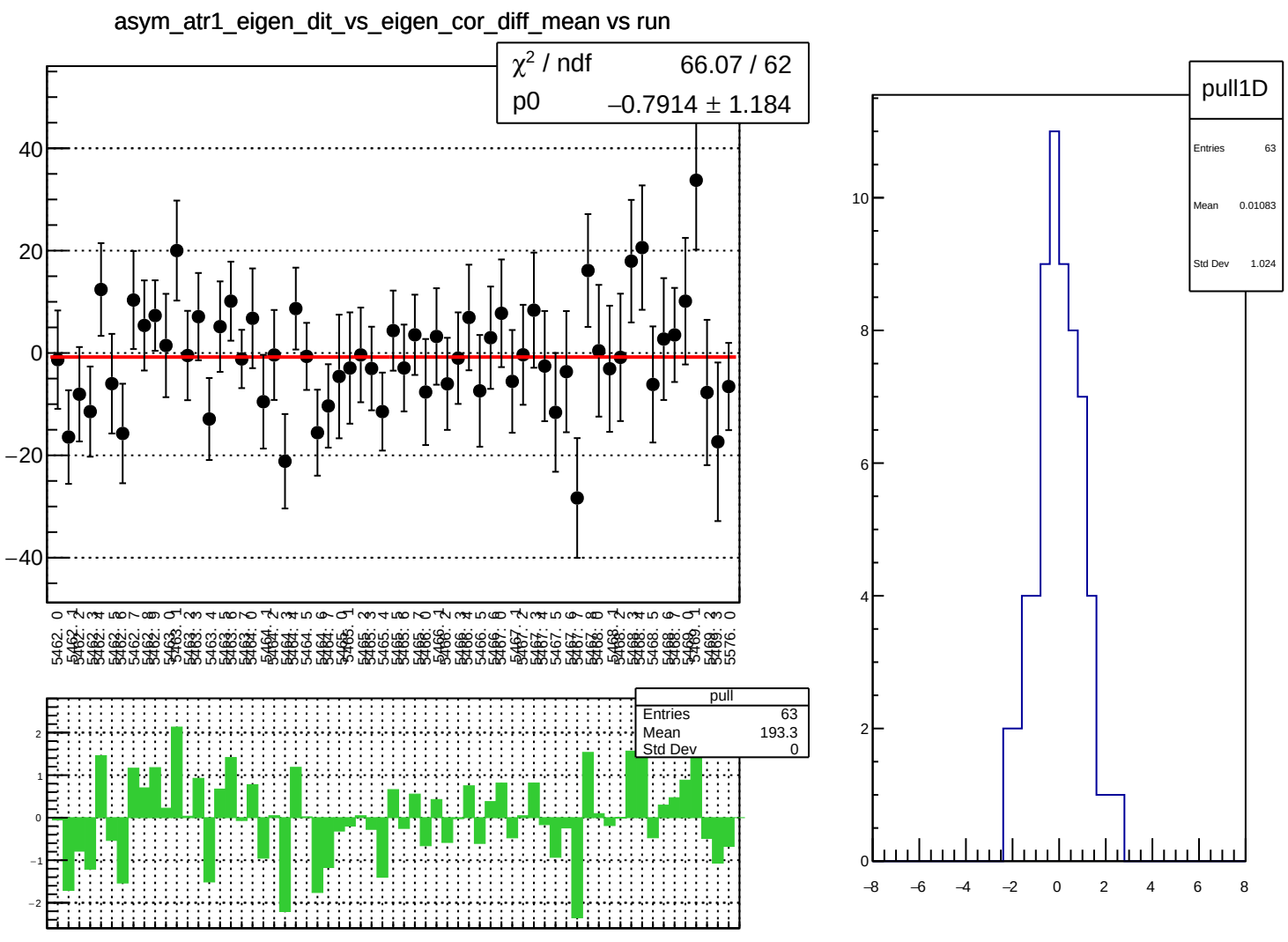

pull1D
Entries 63
Mean −0.01293
Std Dev 1.127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

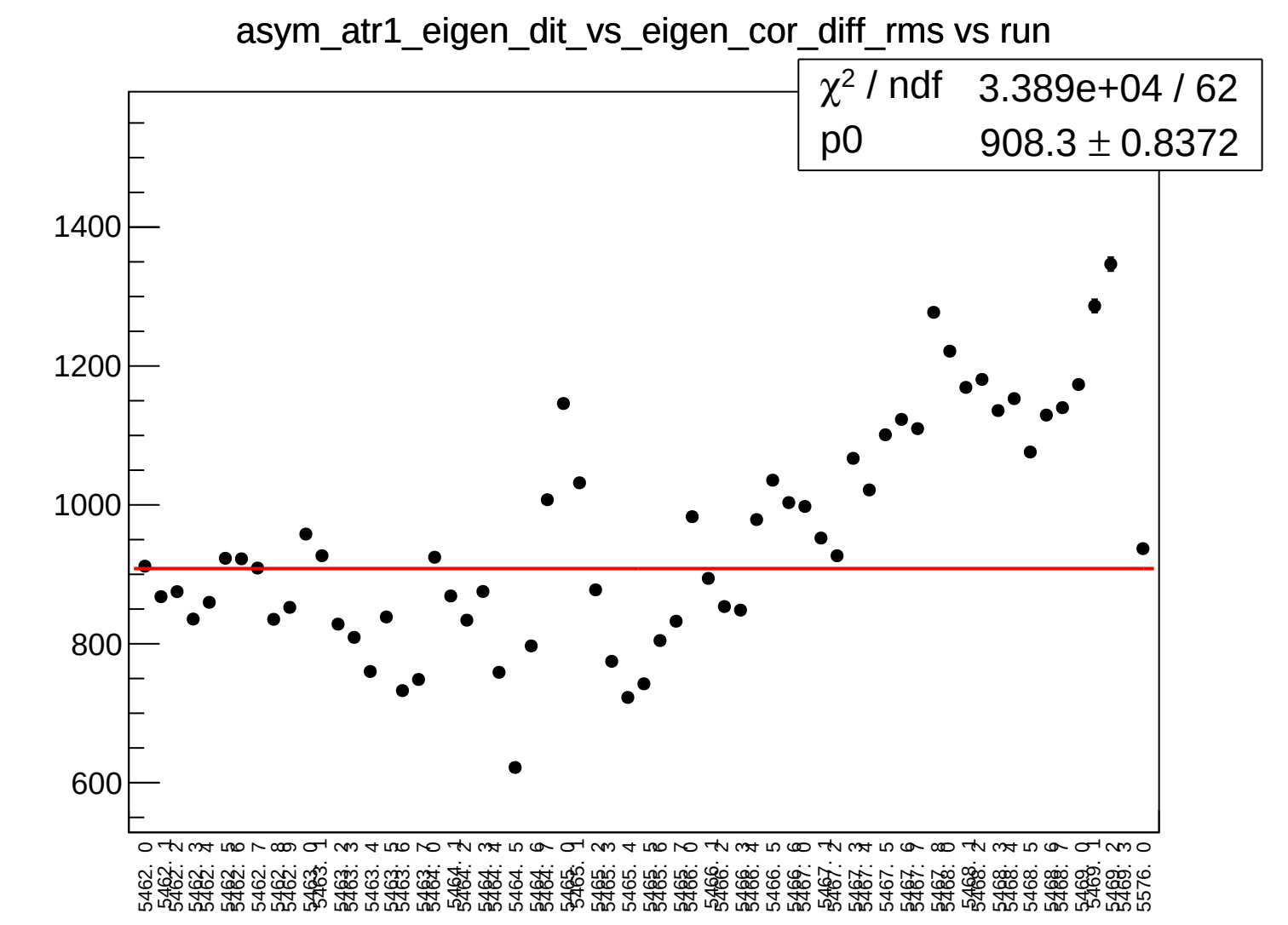

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6187 / 62
p0 0.00536 ± 4.884e–06
0.0055
0.005
0.0045
0.004
0.0035

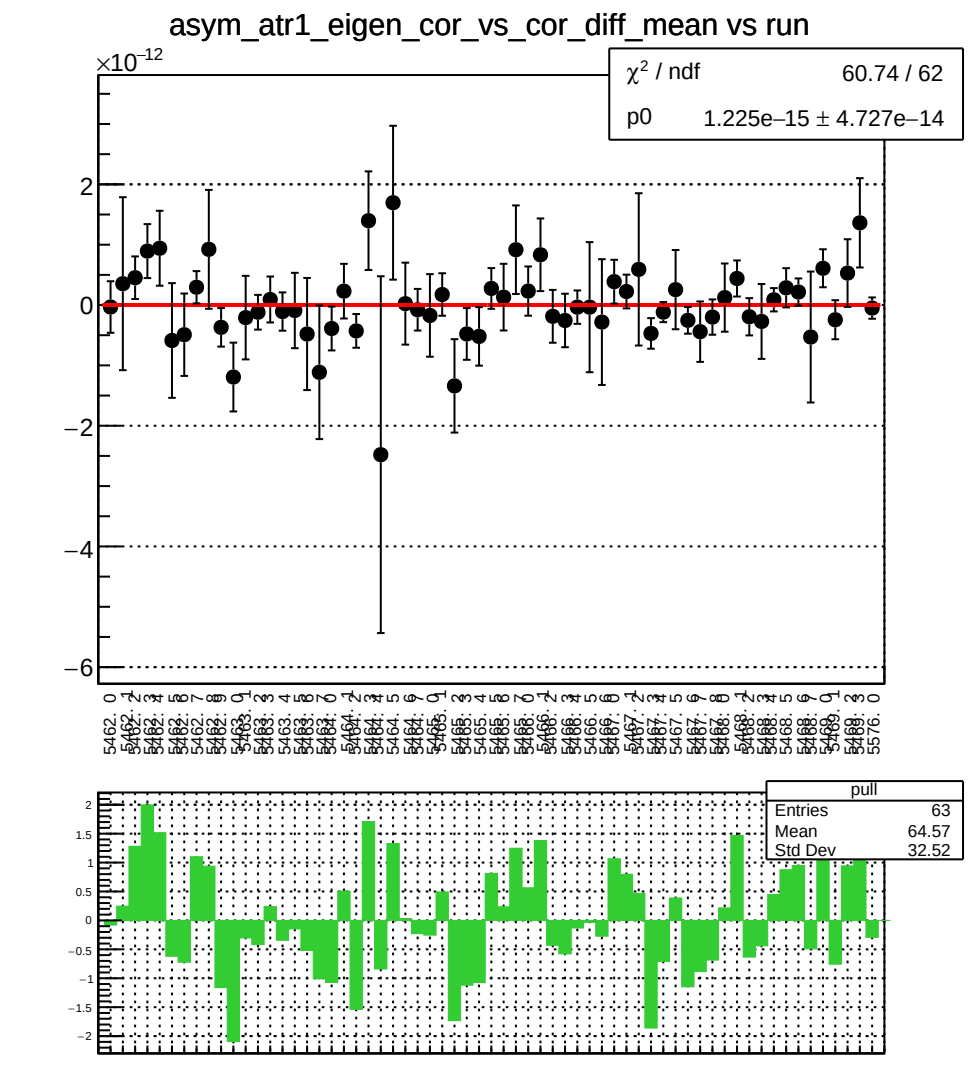

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.07 / 62
p0 −0.7914 ± 1.184
pull
Entries 63
Mean 193.3
Std Dev 0

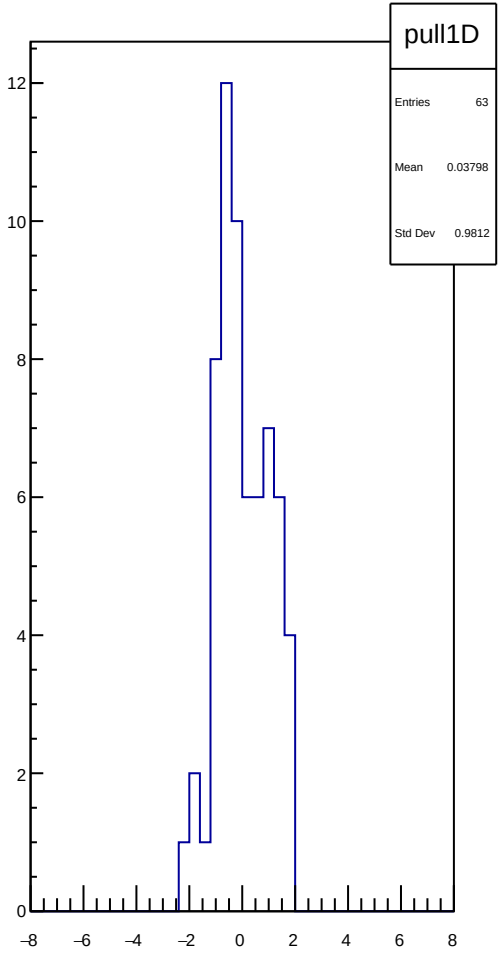

pull1D
Entries 63
Mean 0.01083
Std Dev 1.024

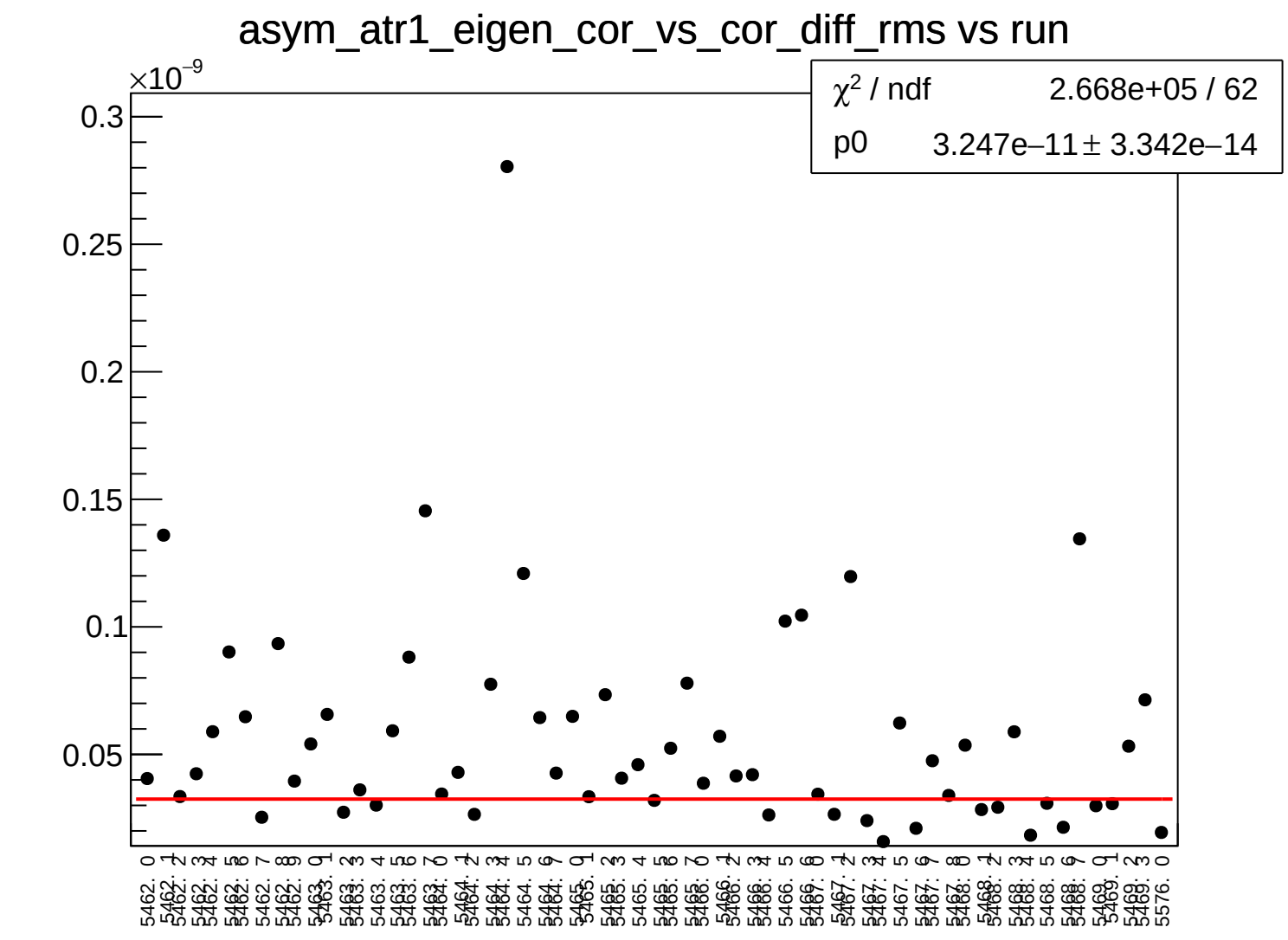

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.389e+04 / 62
p0 908.3 ± 0.8372
1400
1200
1000
800
600

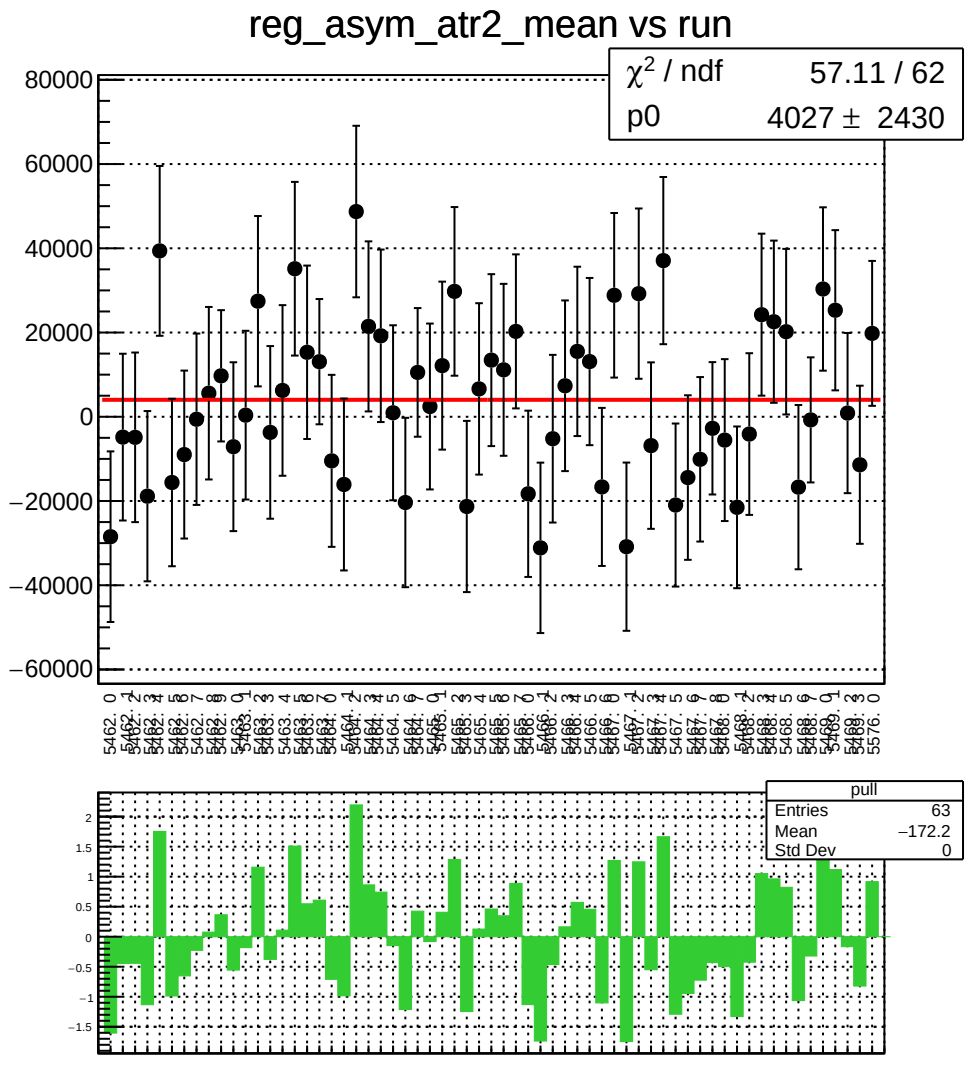

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.07 / 62
p0 −0.7914 ± 1.184
pull
Entries 63
Mean 193.3
Std Dev 0
pull1D
Entries 63
Mean 0.01083
Std Dev 1.024

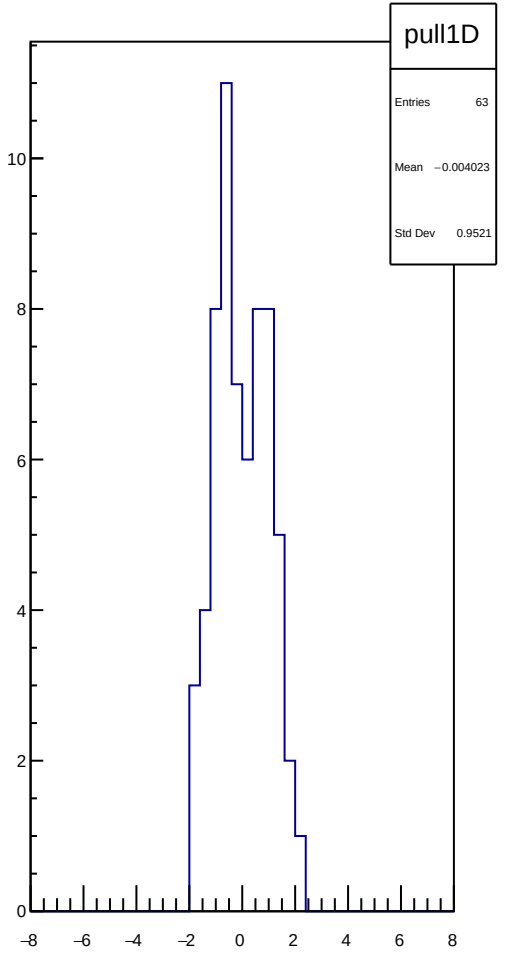

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.389e+04 / 62
p0 908.3 ± 0.8372
1400
1200
1000
800
600

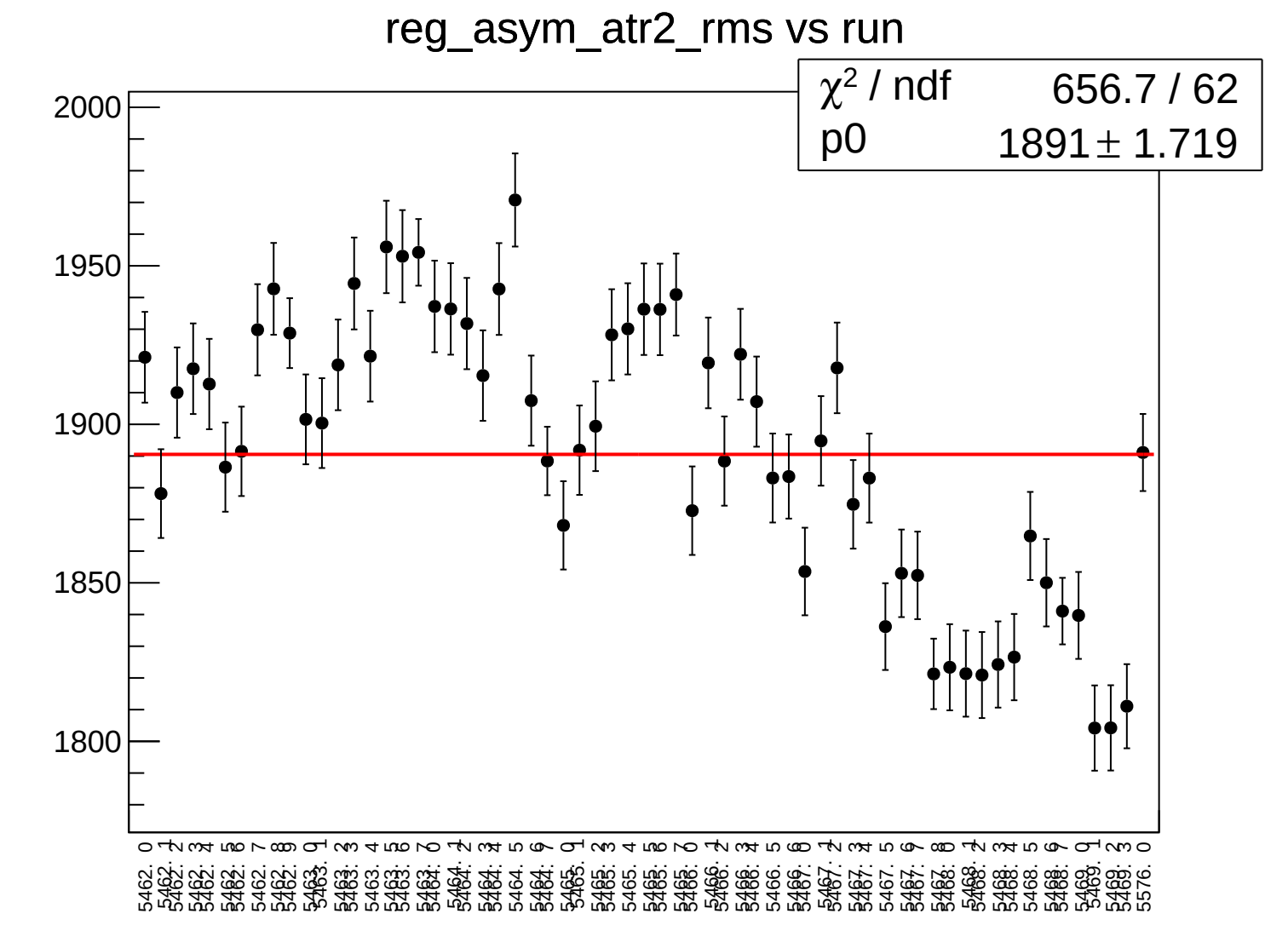

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 60.74 / 62
p0 1.225e−15 ± 4.727e−14
pull
Entries 63
Mean 64.57
Std Dev 32.52

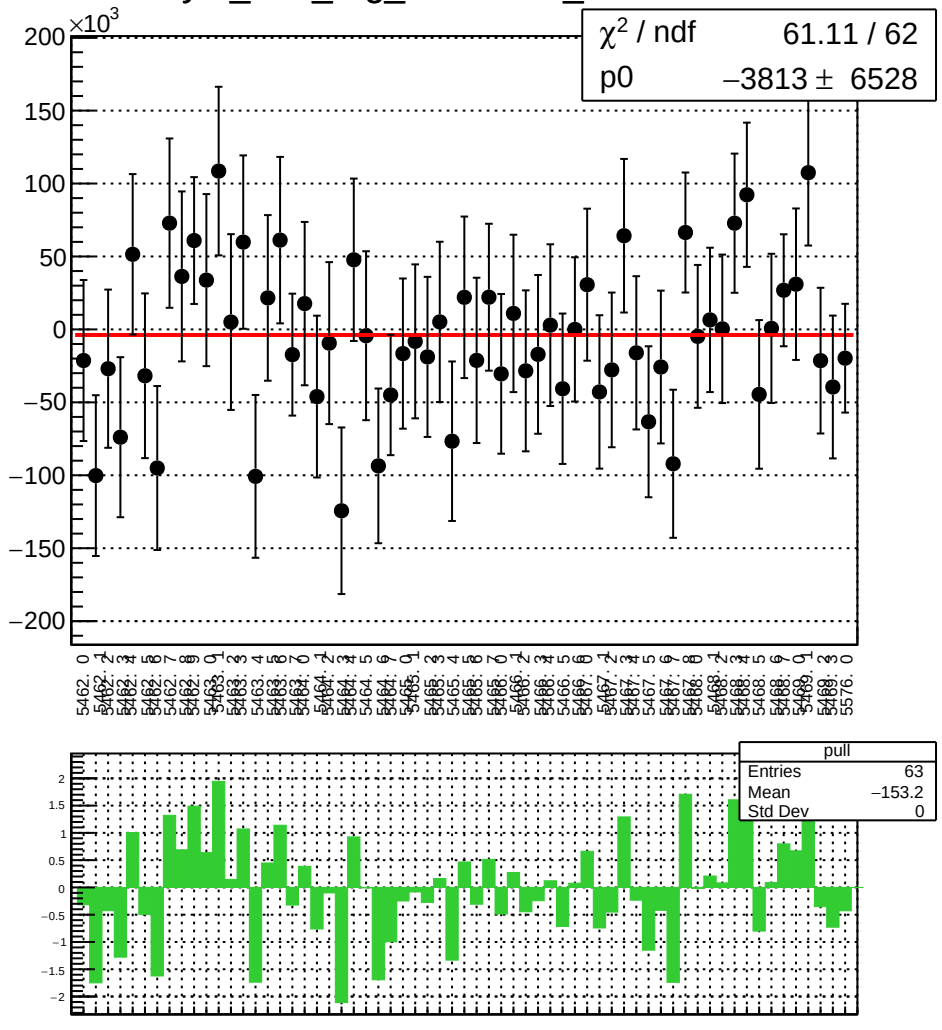

pull1D
Entries 63
Mean 0.03798
Std Dev 0.9812

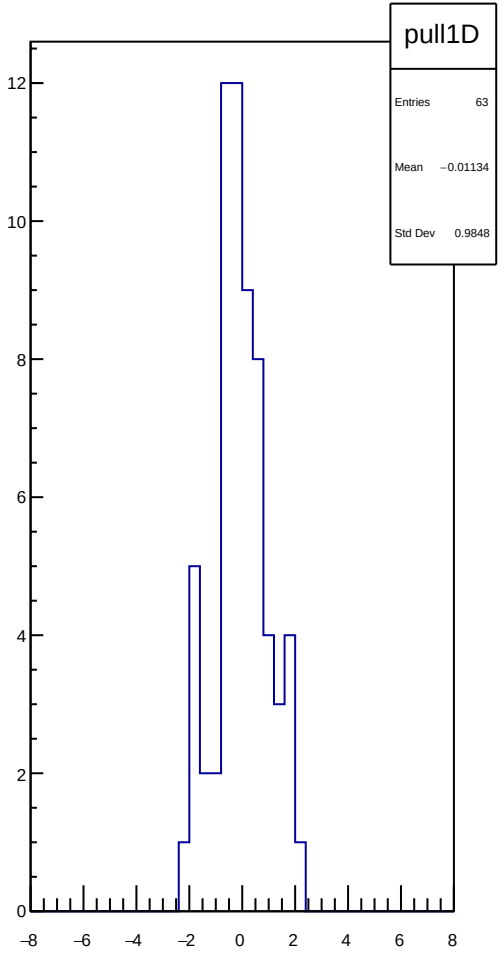

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.668e+05 / 62
p0 3.247e−11 ± 3.342e−14
0.3
0.25
0.2
0.15
0.1
0.05

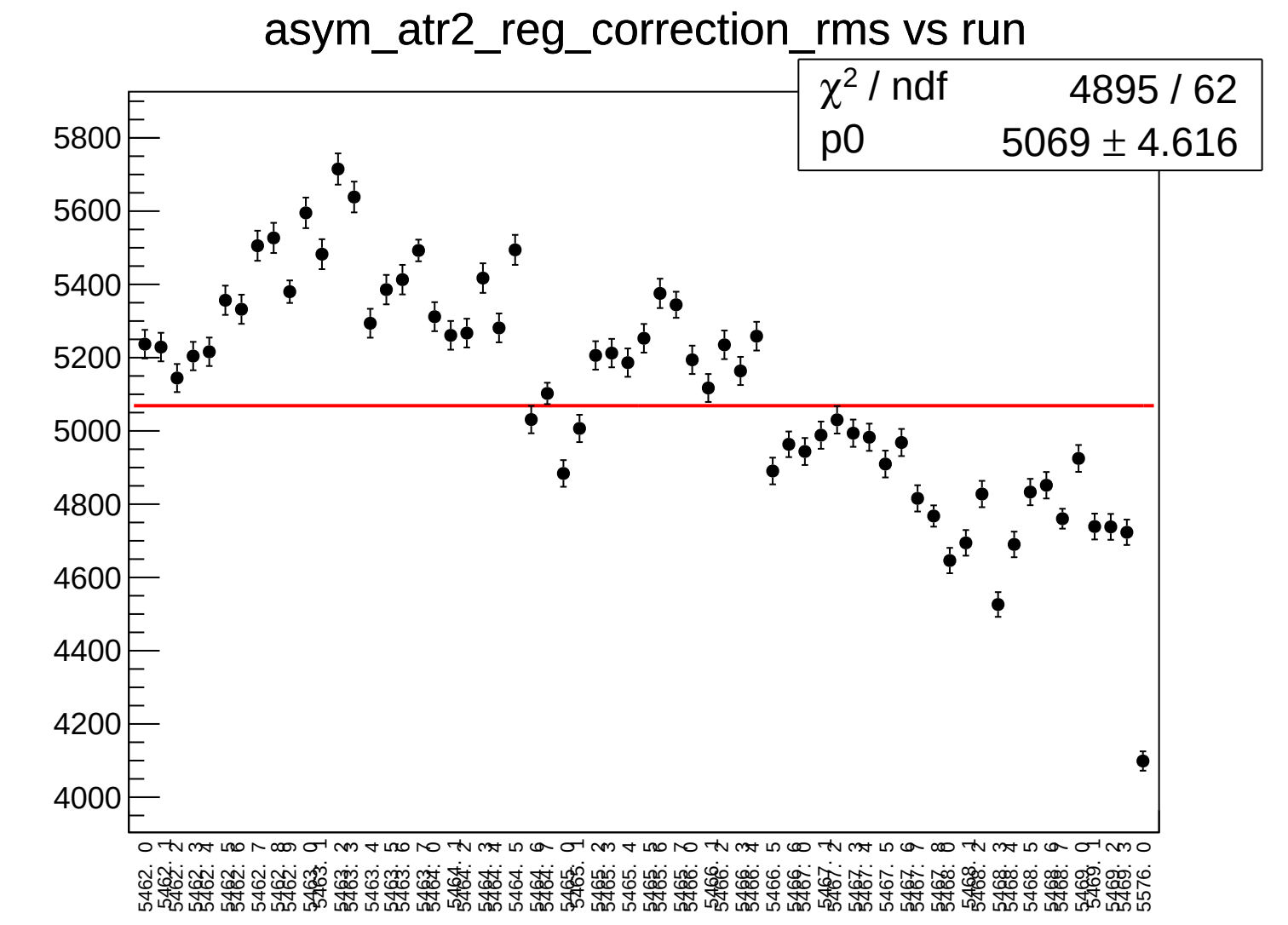

reg_asym_atr2_mean vs run
χ² / ndf 57.11 / 62
p0 4027 ± 2430
pull
Entries 63
Mean −172.2
Std Dev 0

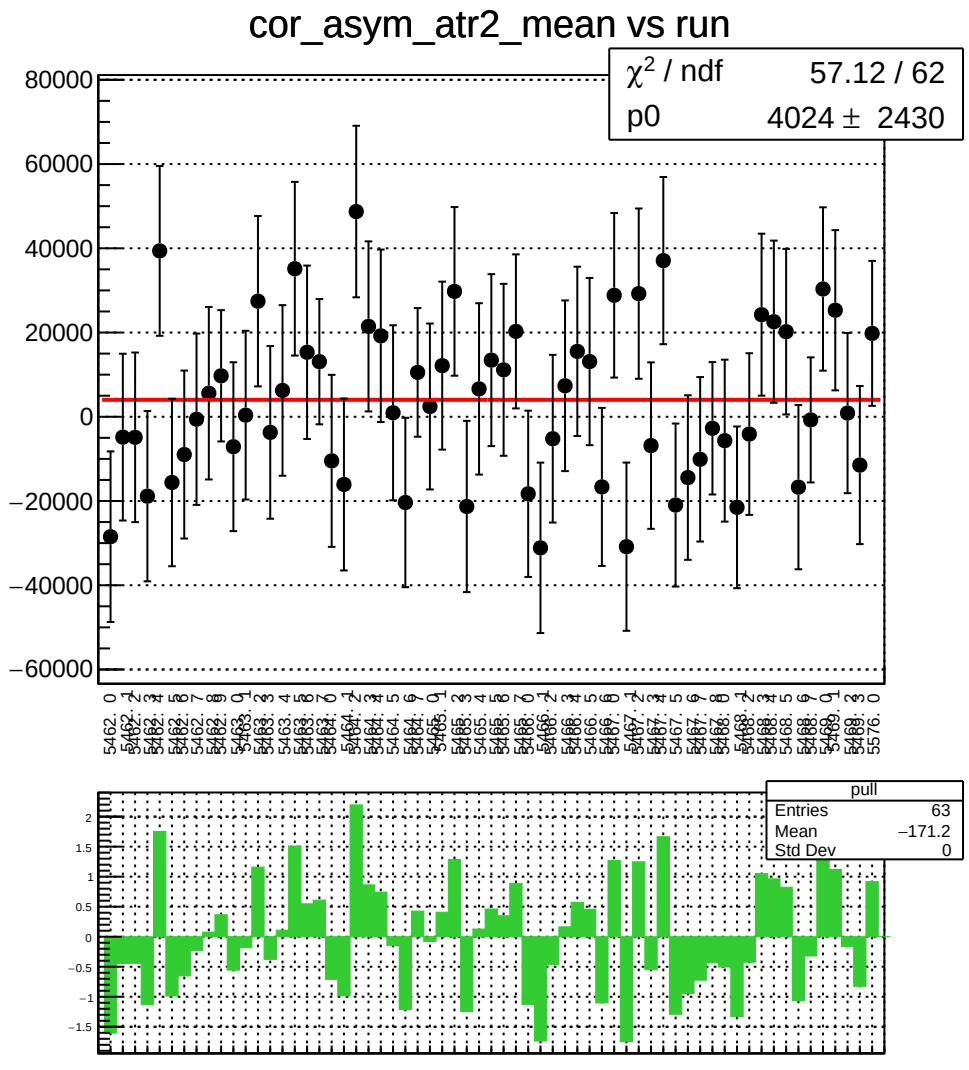

pull1D
Entries 63
Mean −0.004023
Std Dev 0.9521

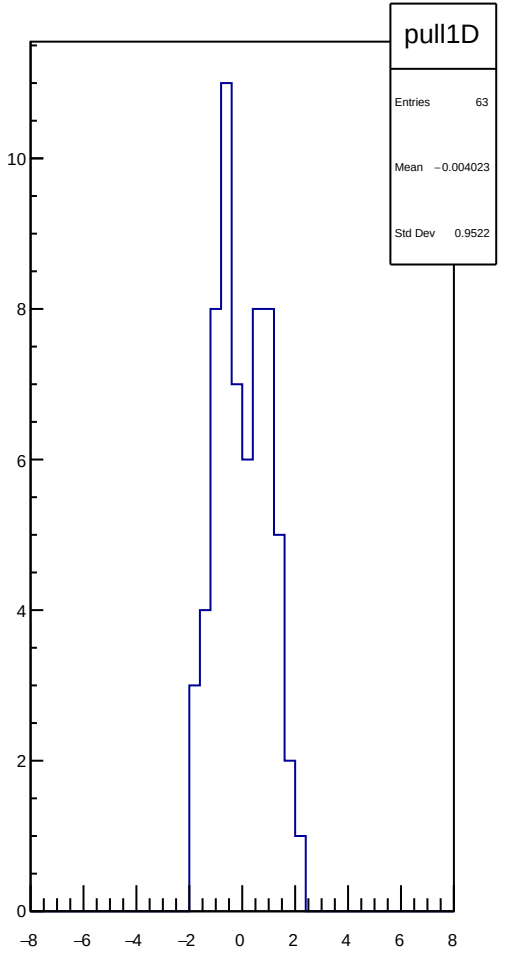

reg_asym_atr2_rms vs run
χ² / ndf 656.7 / 62
p0 1891 ± 1.719
2000
1950
1900
1850
1800

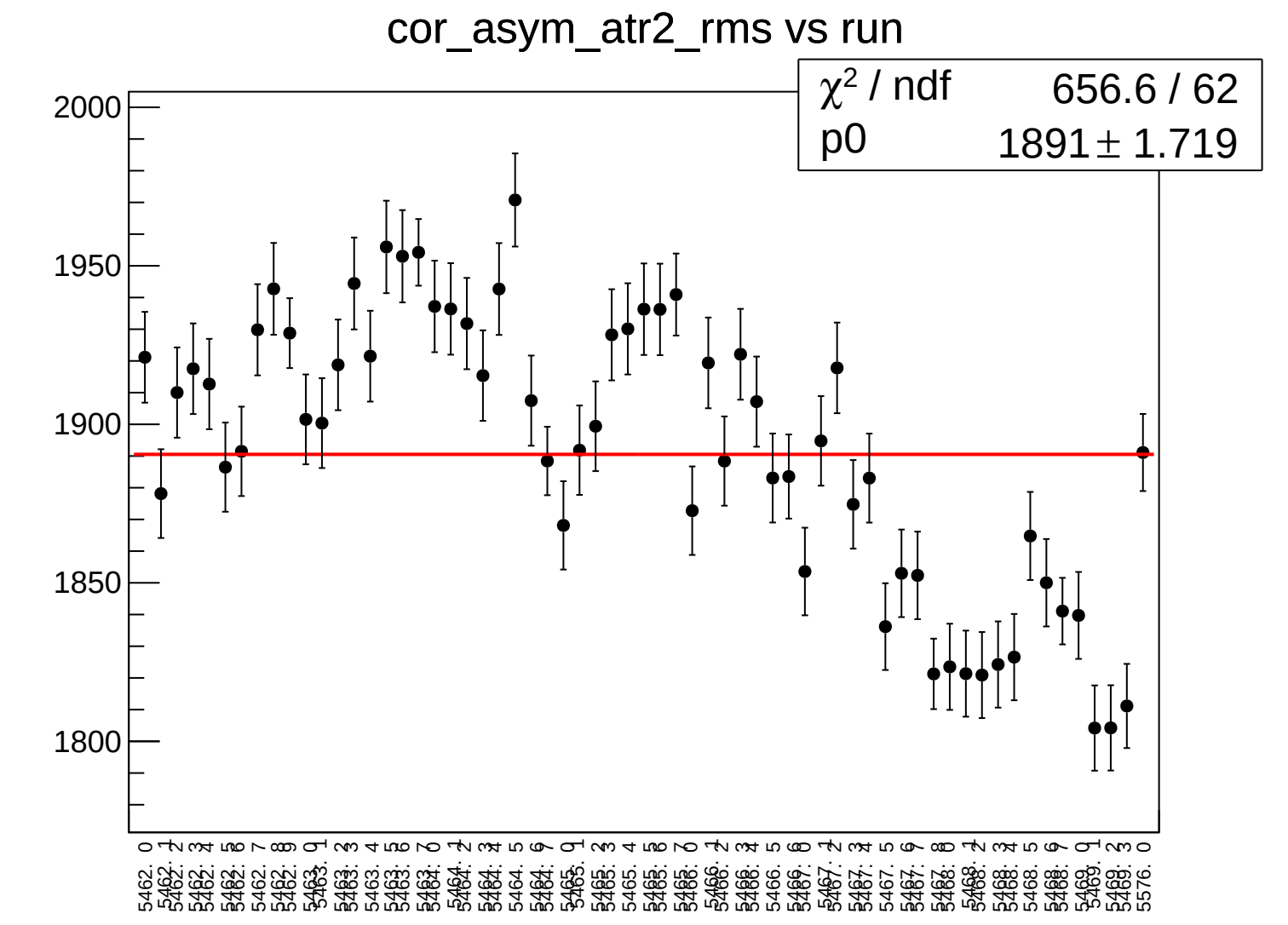

asym_atr2_reg_correction_mean vs run
χ² / ndf 61.11 / 62
p0 −3813 ± 6528
×10³
pull
Entries 63
Mean −153.2
Std Dev 0

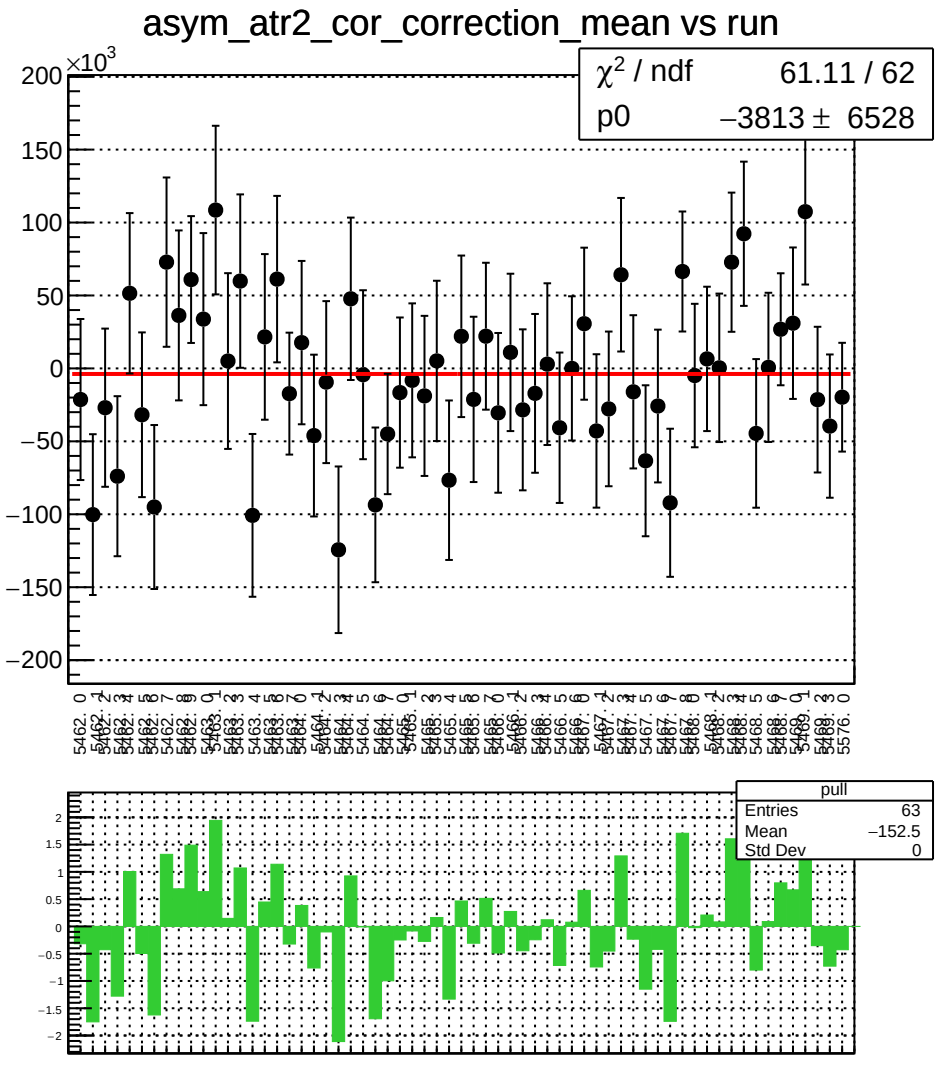

pull1D
Entries 63
Mean −0.01134
Std Dev 0.9848

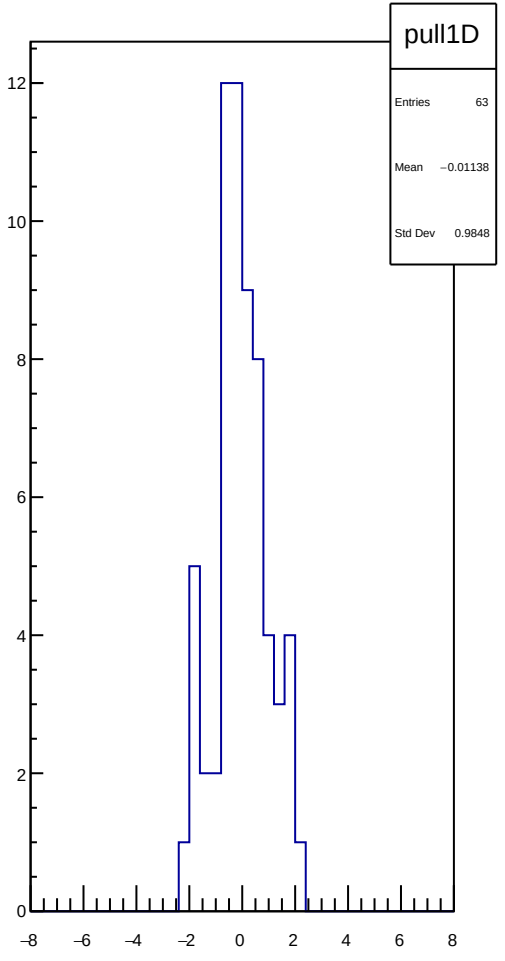

asym_atr2_reg_correction_rms vs run
χ² / ndf 4895 / 62
p0 5069 ± 4.616
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

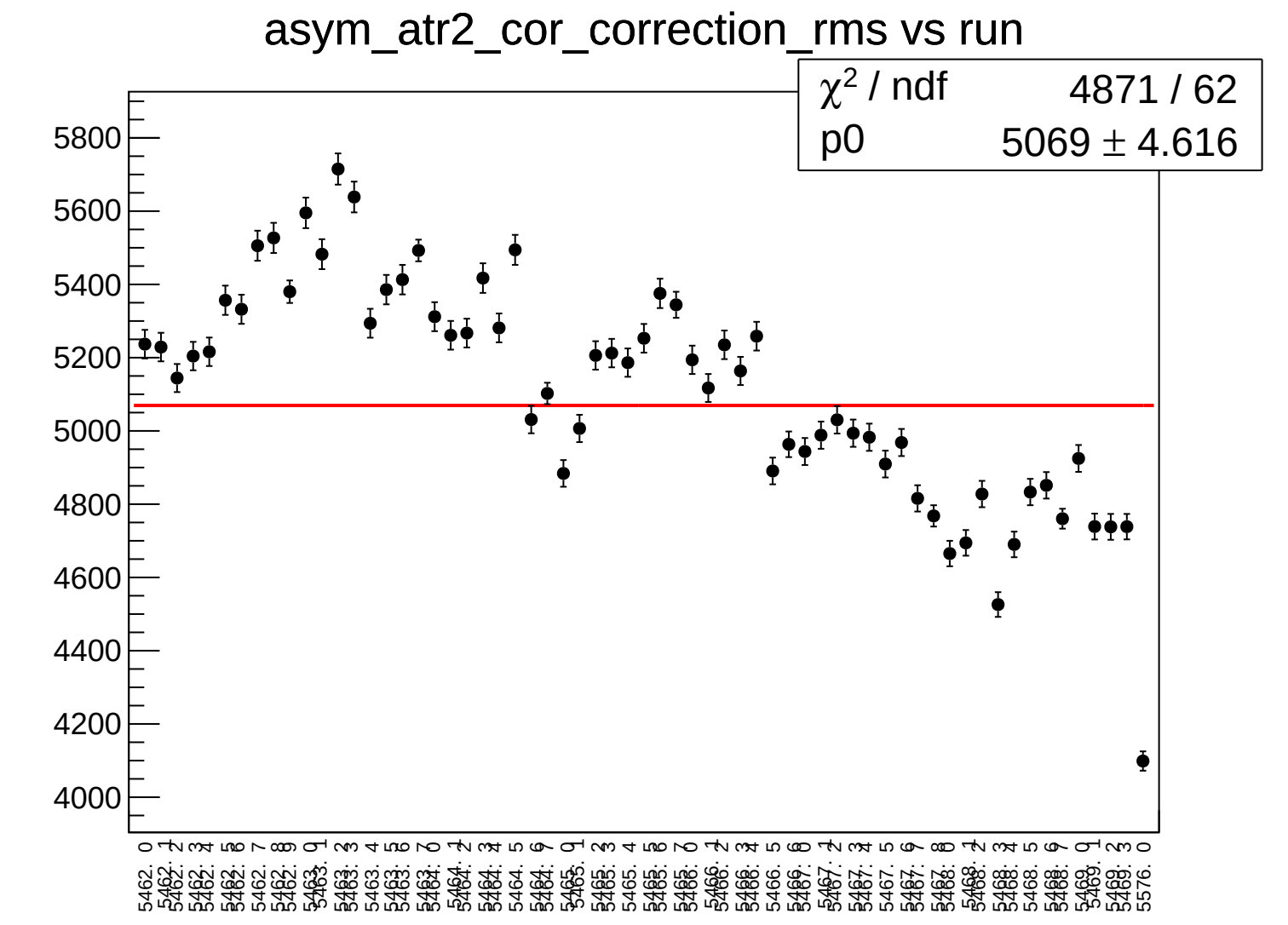

cor_asym_atr2_mean vs run
χ² / ndf 57.12 / 62
p0 4024 ± 2430
pull
Entries 63
Mean −171.2
Std Dev 0

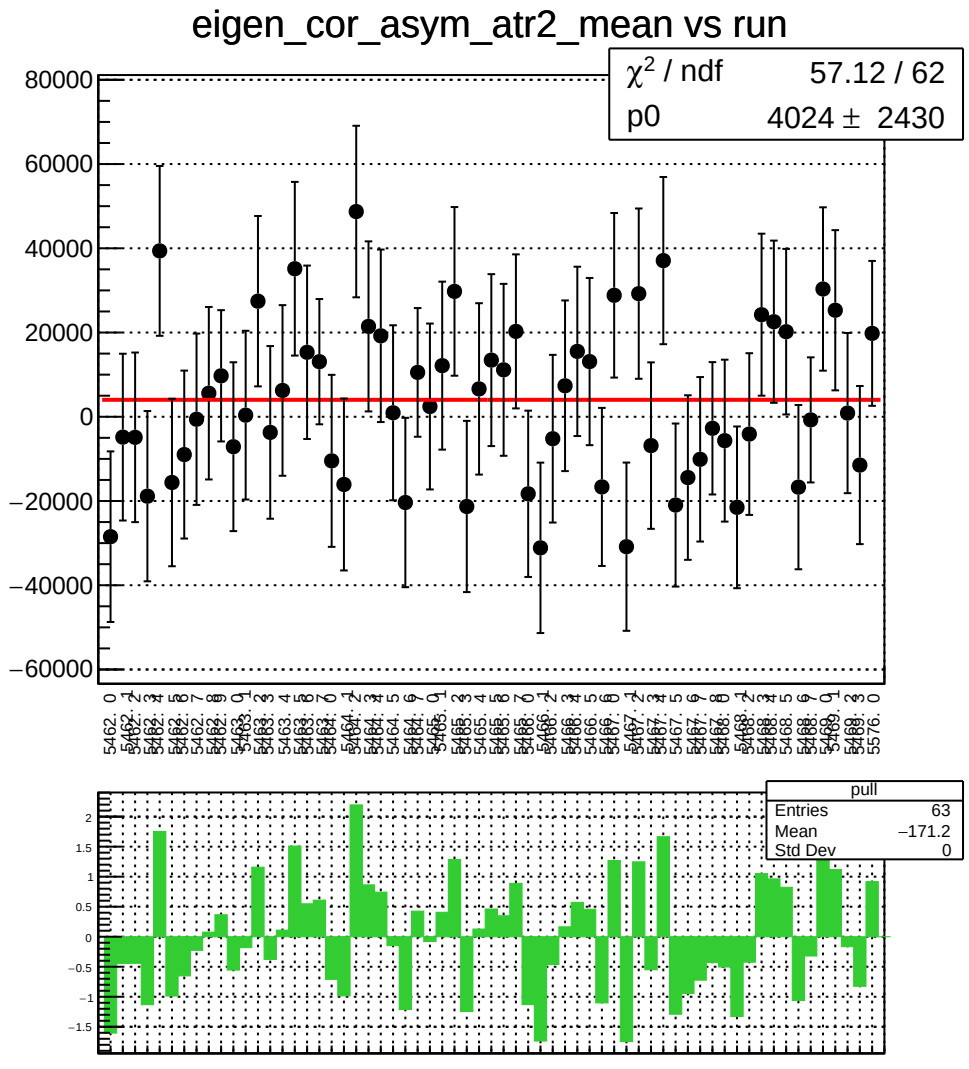

pull1D
Entries 63
Mean −0.004023
Std Dev 0.9522

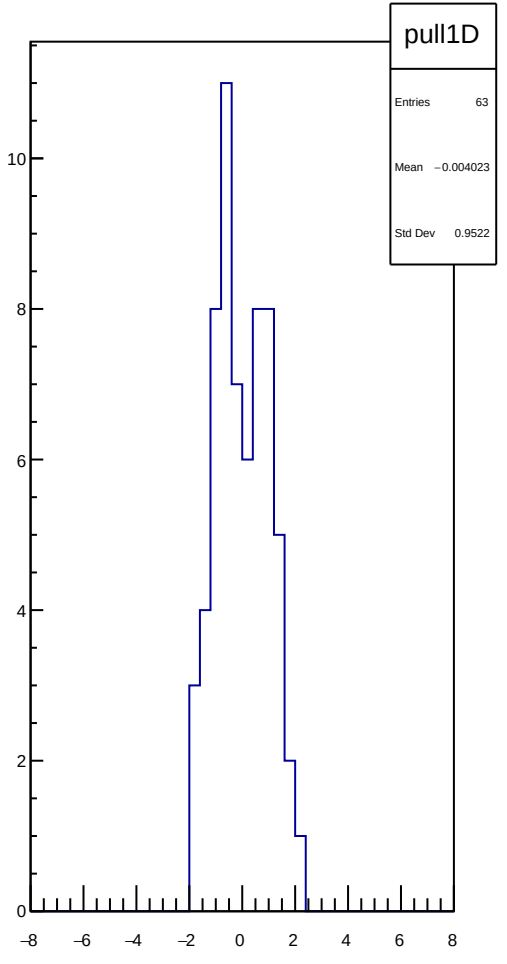

cor_asym_atr2_rms vs run
χ² / ndf 656.6 / 62
p0 1891 ± 1.719
2000
1950
1900
1850
1800

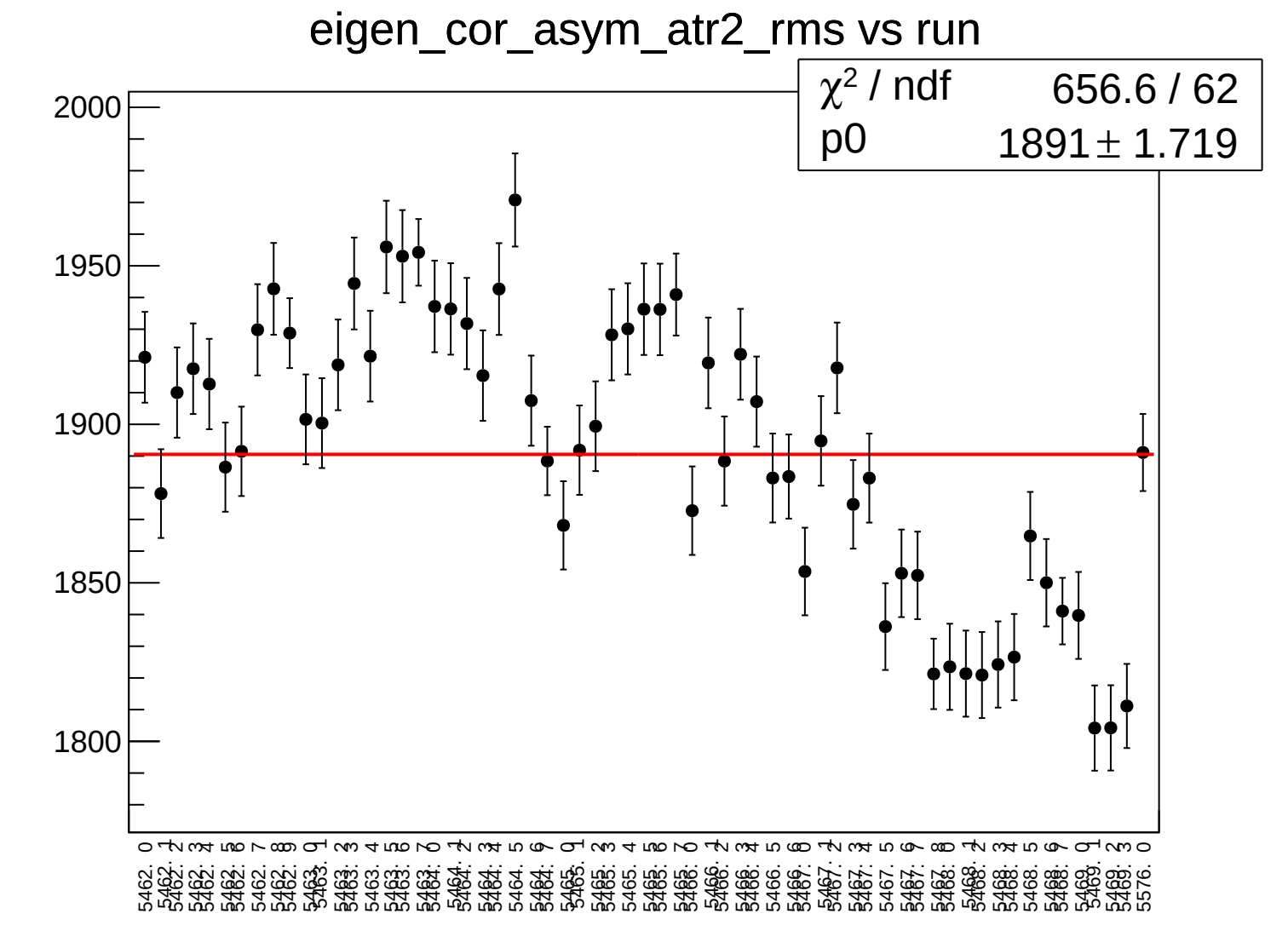

asym_atr2_cor_correction_mean vs run
χ² / ndf 61.11 / 62
p0 −3813 ± 6528
×10³
pull
Entries 63
Mean −152.5
Std Dev 0

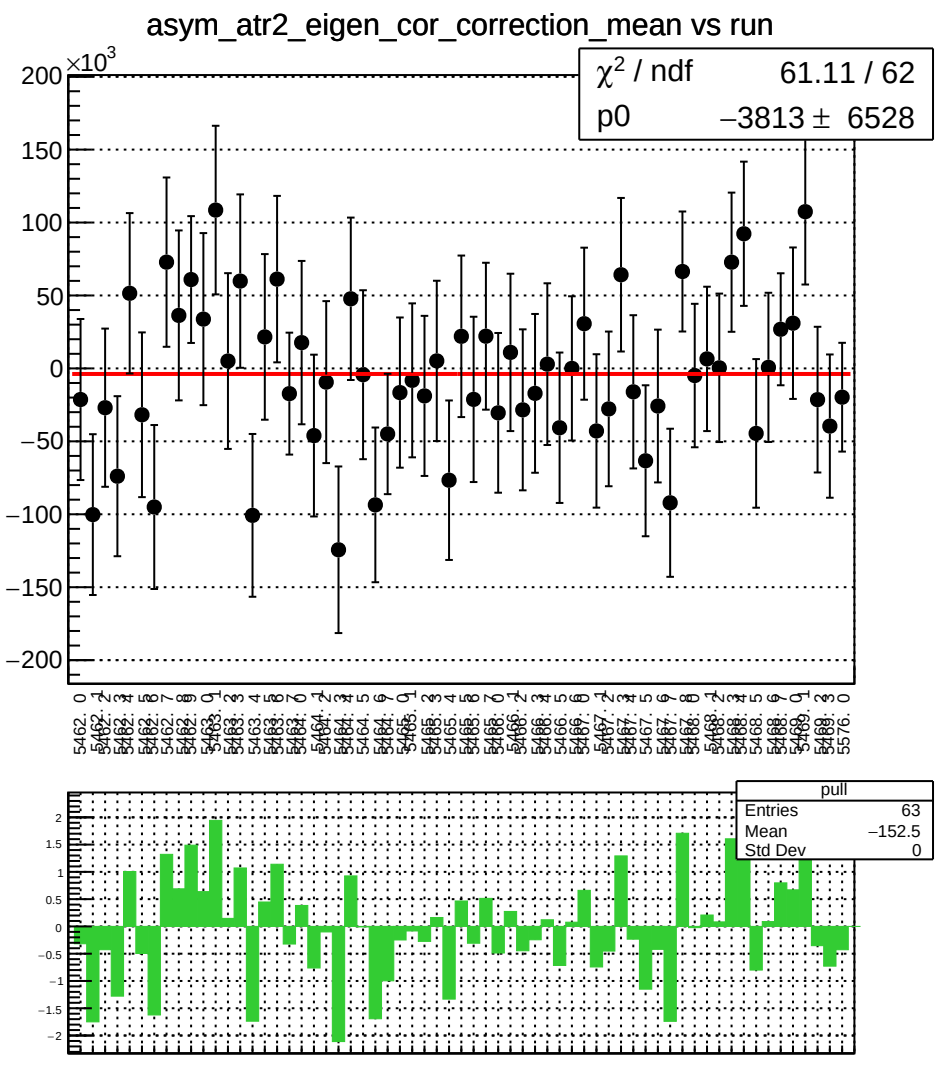

pull1D
Entries 63
Mean −0.01138
Std Dev 0.9848

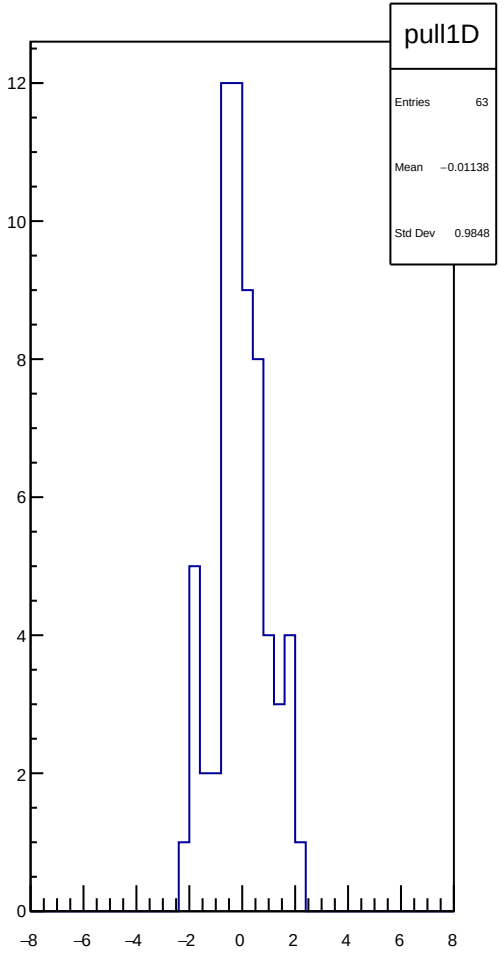

asym_atr2_cor_correction_rms vs run
χ² / ndf 4871 / 62
p0 5069 ± 4.616
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

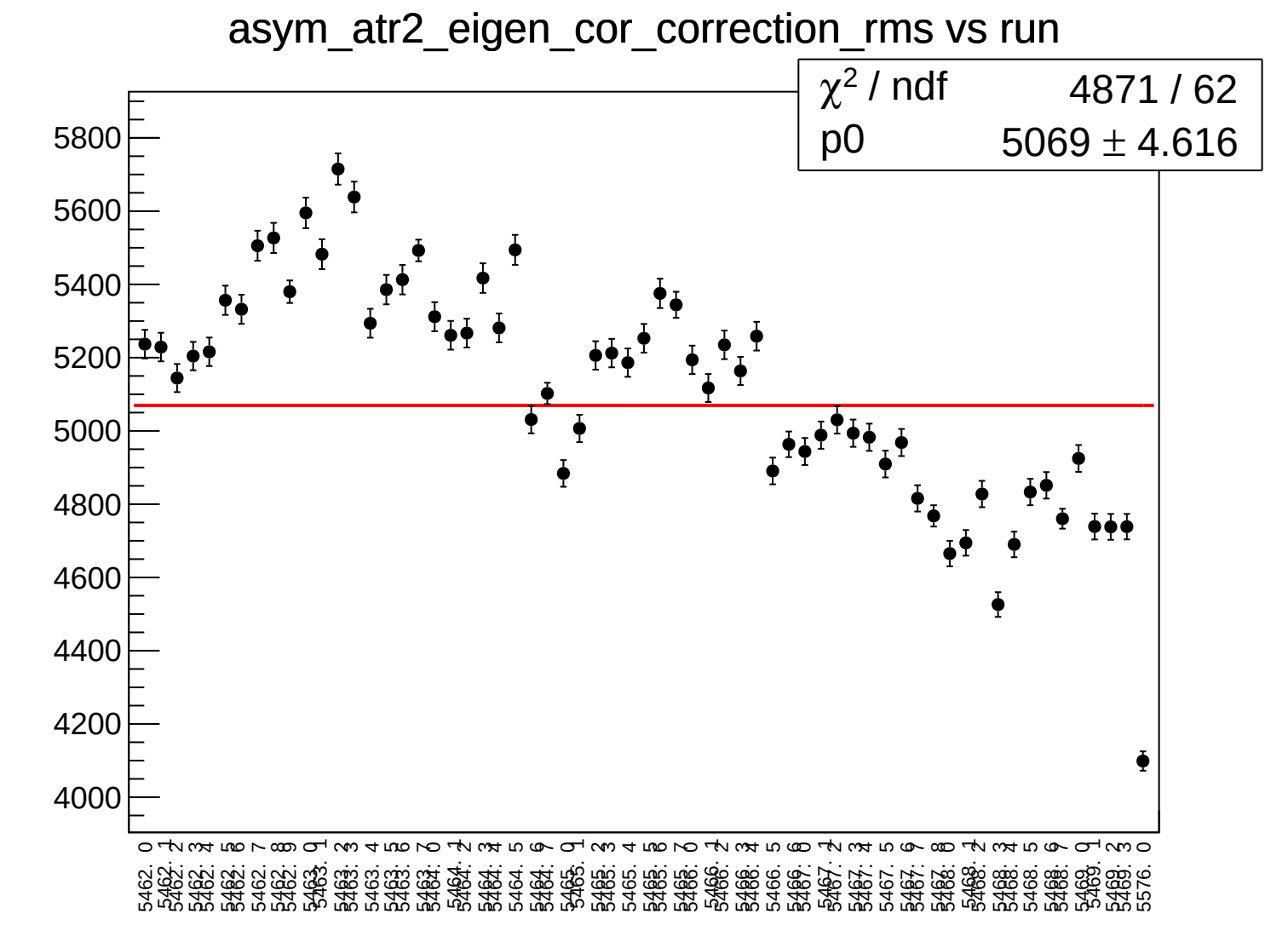

eigen_cor_asym_atr2_mean vs run
χ² / ndf 57.12 / 62
p0 4024 ± 2430
pull
Entries 63
Mean −171.2
Std Dev 0

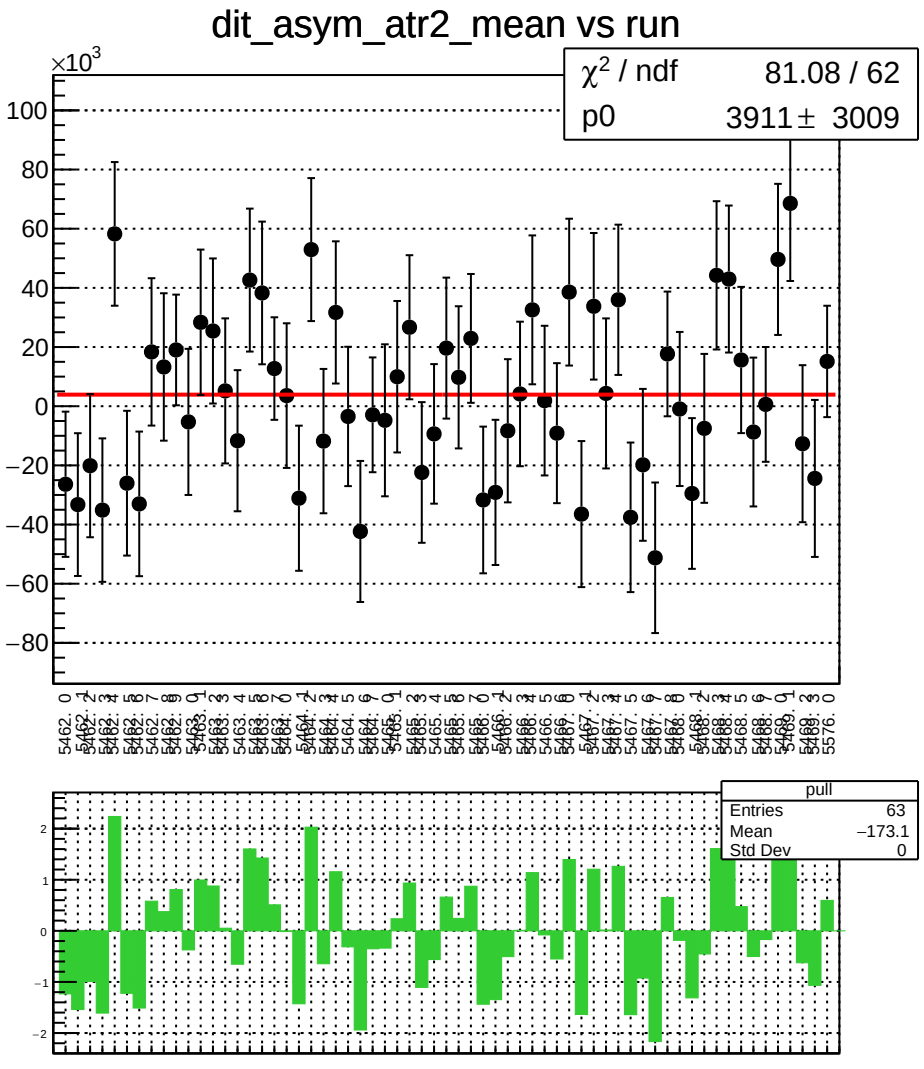

pull1D
Entries 63
Mean −0.004023
Std Dev 0.9522

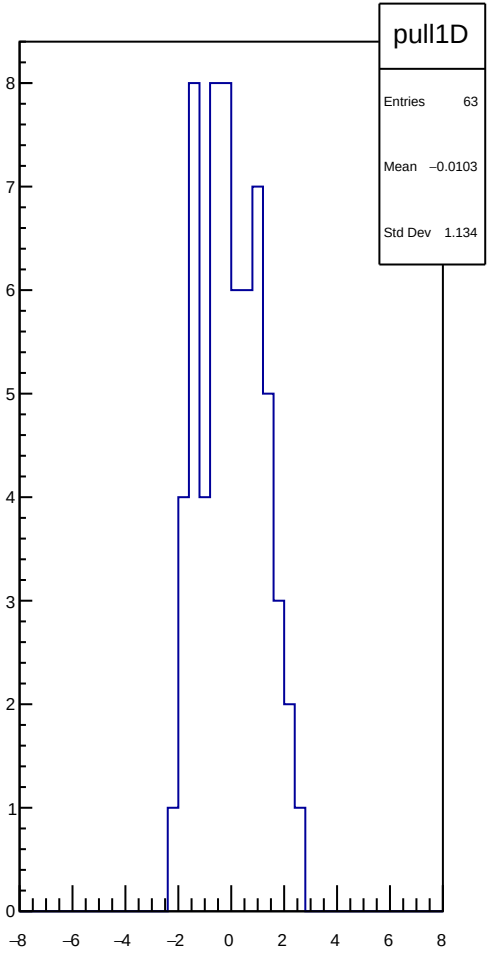

eigen_cor_asym_atr2_rms vs run
χ² / ndf 656.6 / 62
p0 1891 ± 1.719
2000
1950
1900
1850
1800

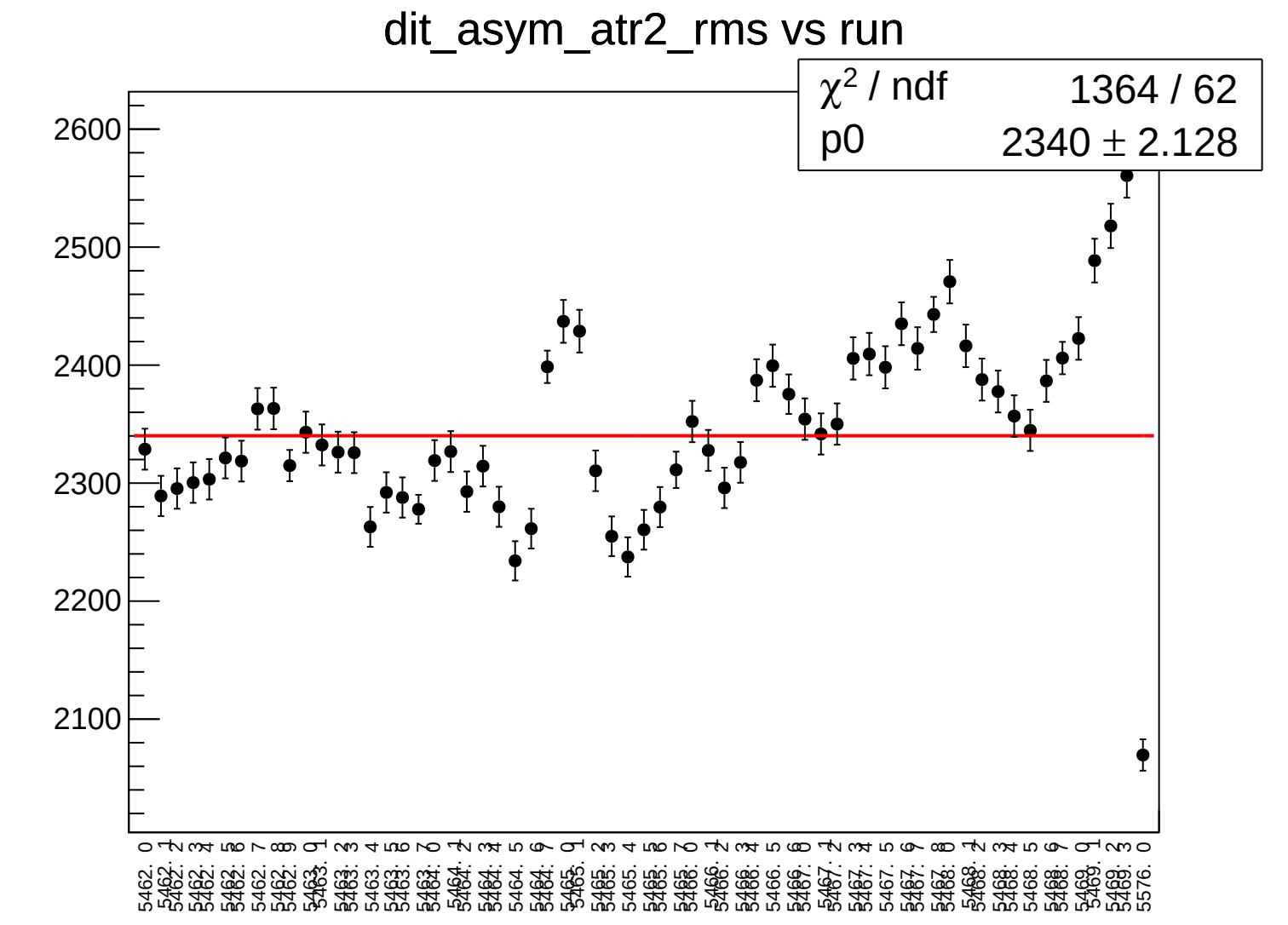

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 61.11 / 62
p0 −3813 ± 6528
pull
Entries 63
Mean −152.5
Std Dev 0


pull1D
Entries 63
Mean −0.01138
Std Dev 0.9848


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 4871 / 62
p0 5069 ± 4.616
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 81.08 / 62
p0 3911 ± 3009
pull
Entries 63
Mean −173.1
Std Dev 0


pull1D
Entries 63
Mean −0.0103
Std Dev 1.134


dit_asym_atr2_rms vs run
χ² / ndf 1364 / 62
p0 2340 ± 2.128
2600
2500
2400
2300
2200
2100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
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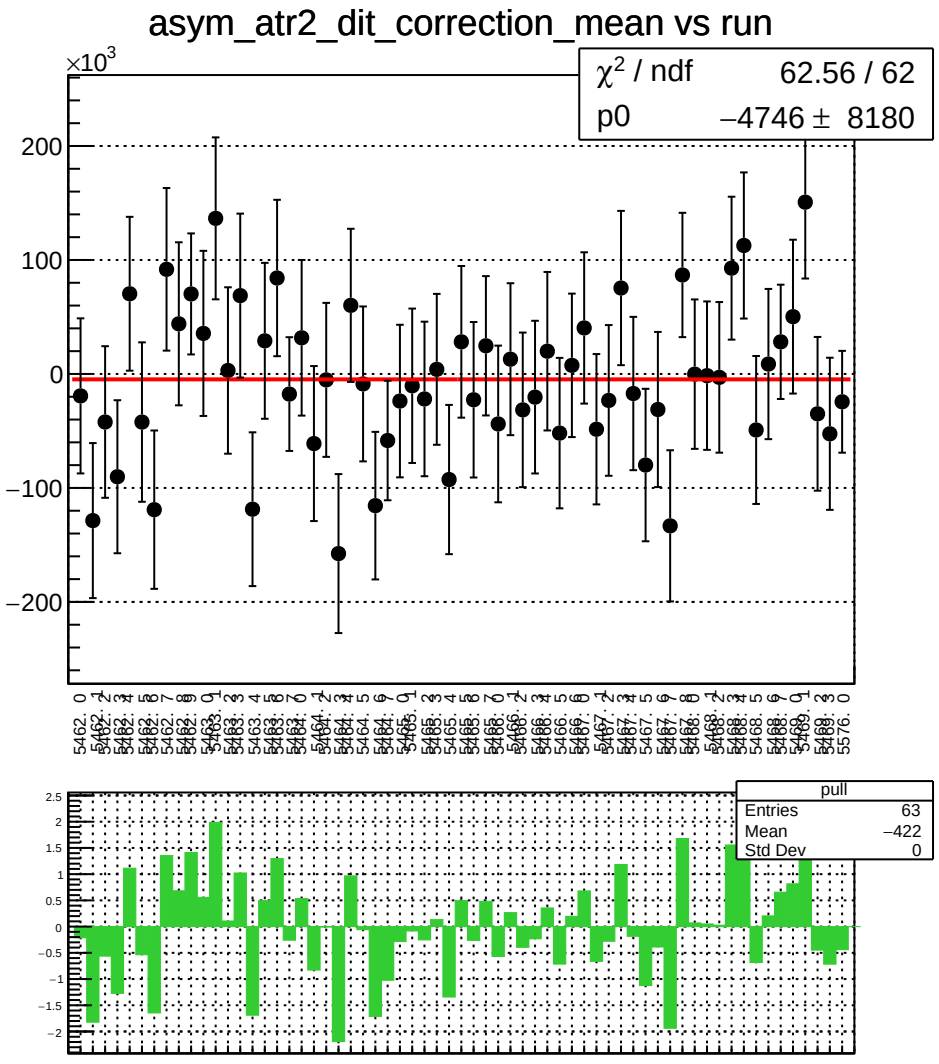
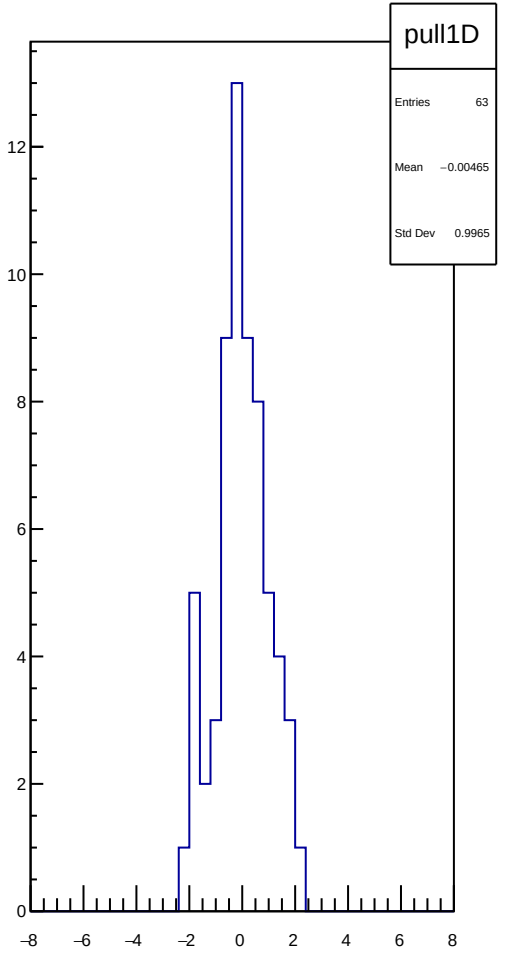
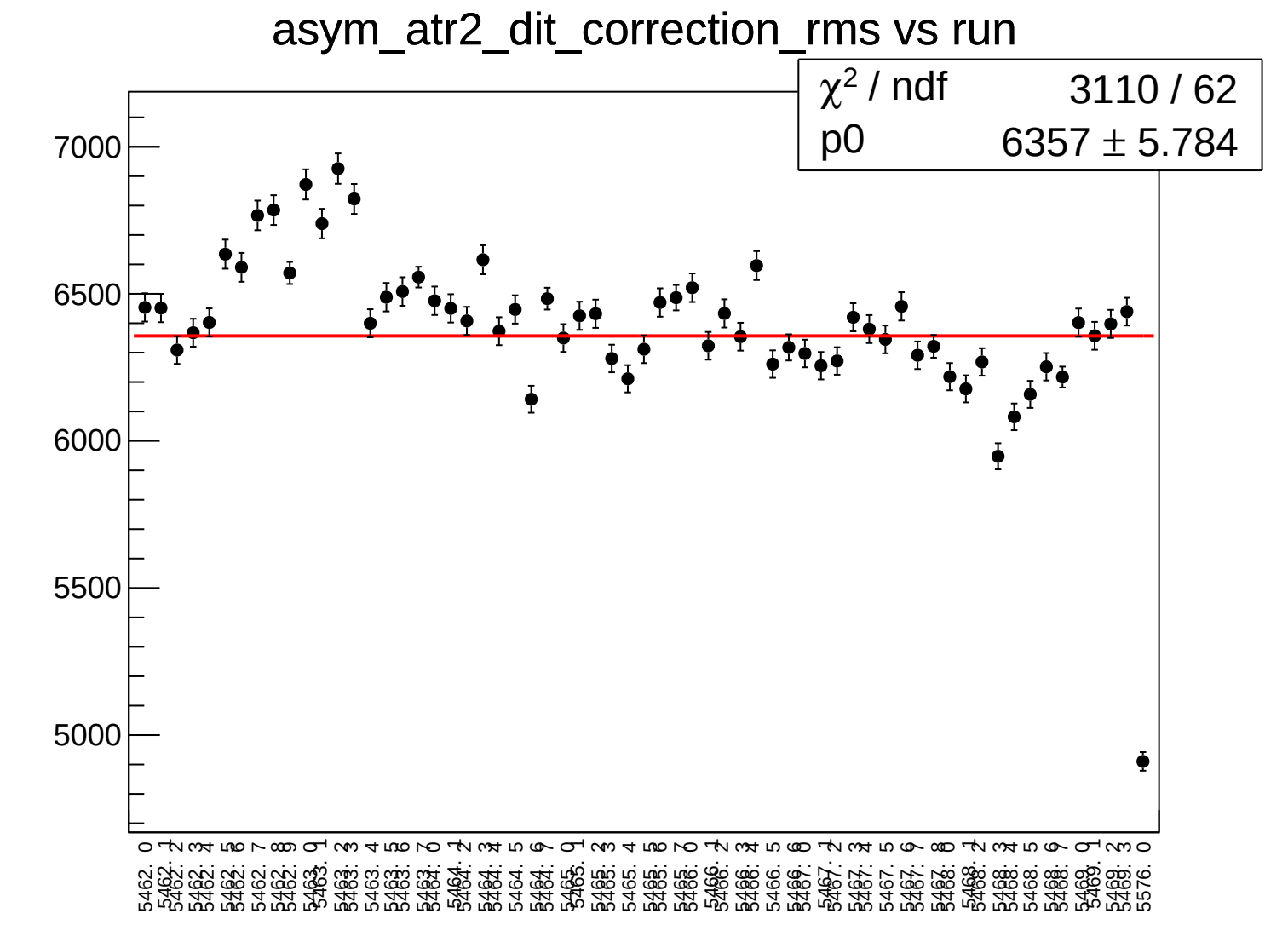
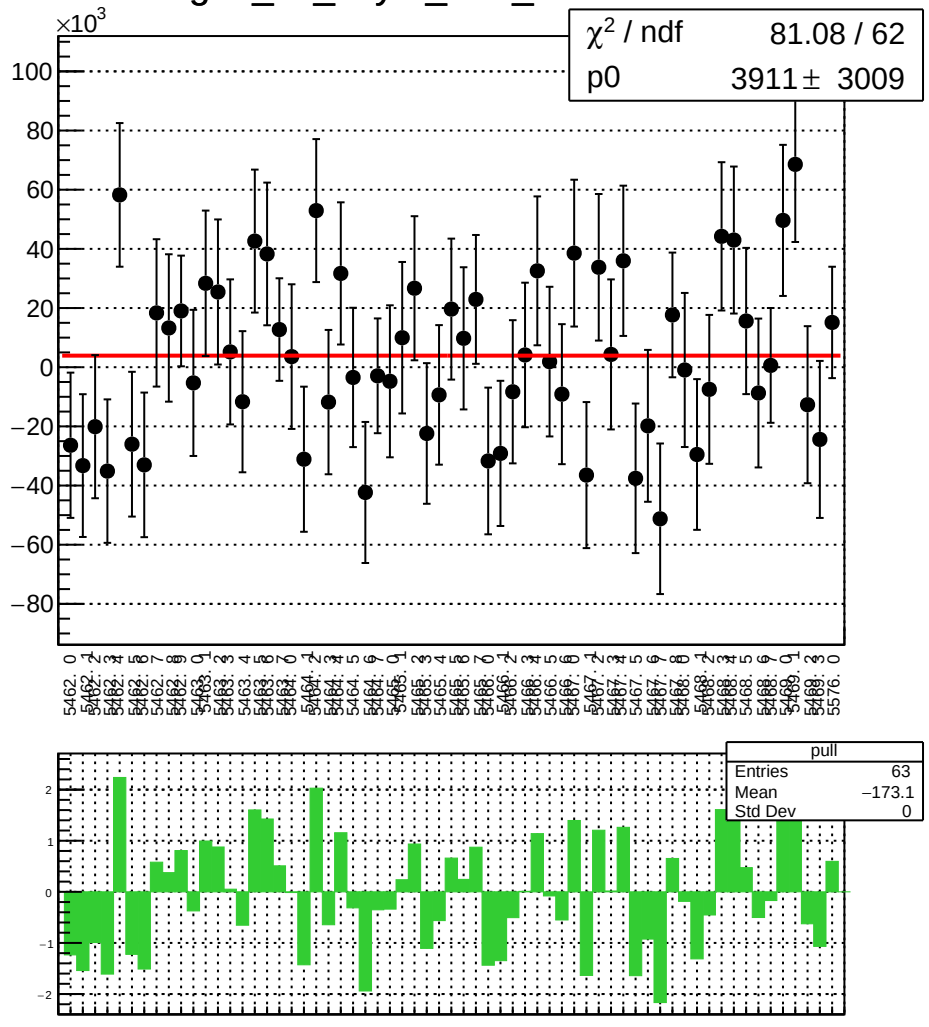
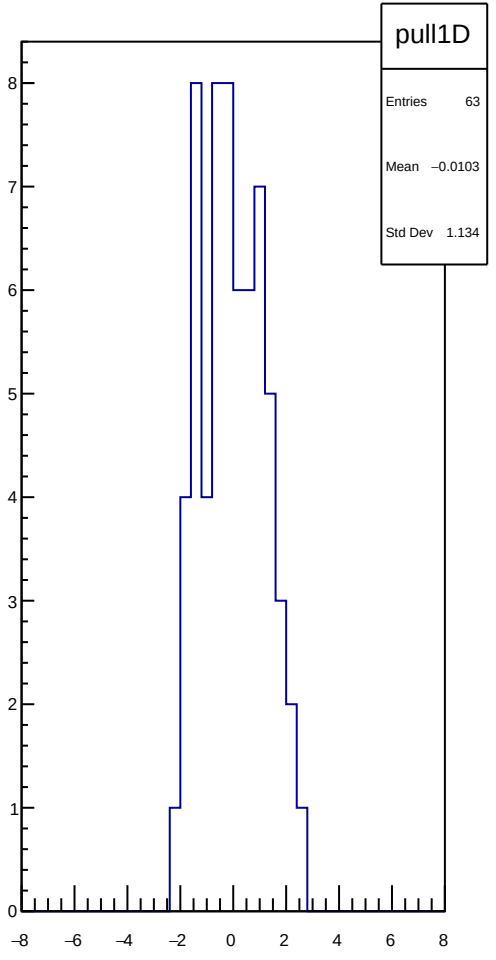
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

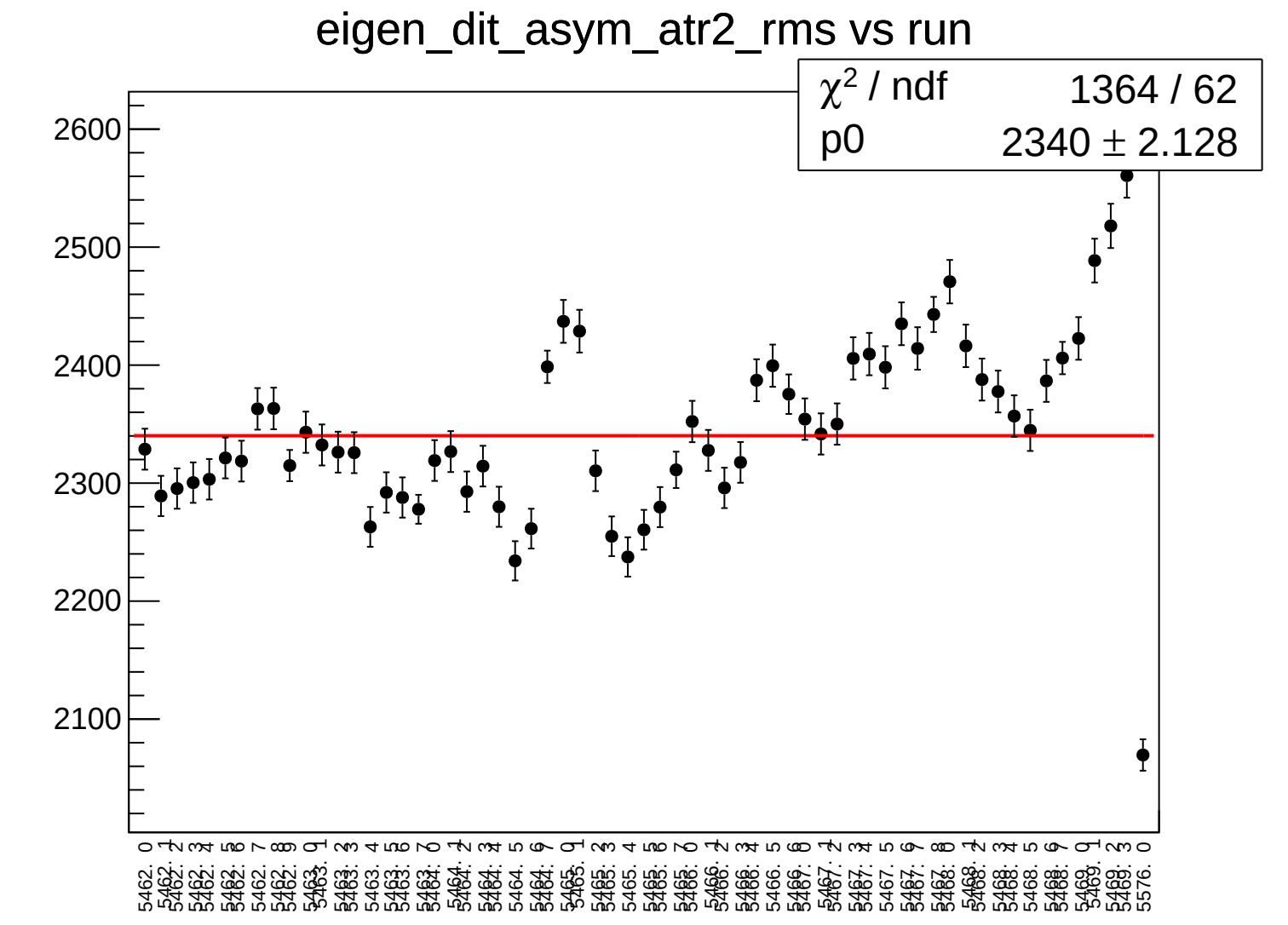

asym_atr2_dit_correction_mean vs run
χ² / ndf 62.56 / 62
p0 −4746 ± 8180
×10³
pull
Entries 63
Mean −422
Std Dev 0

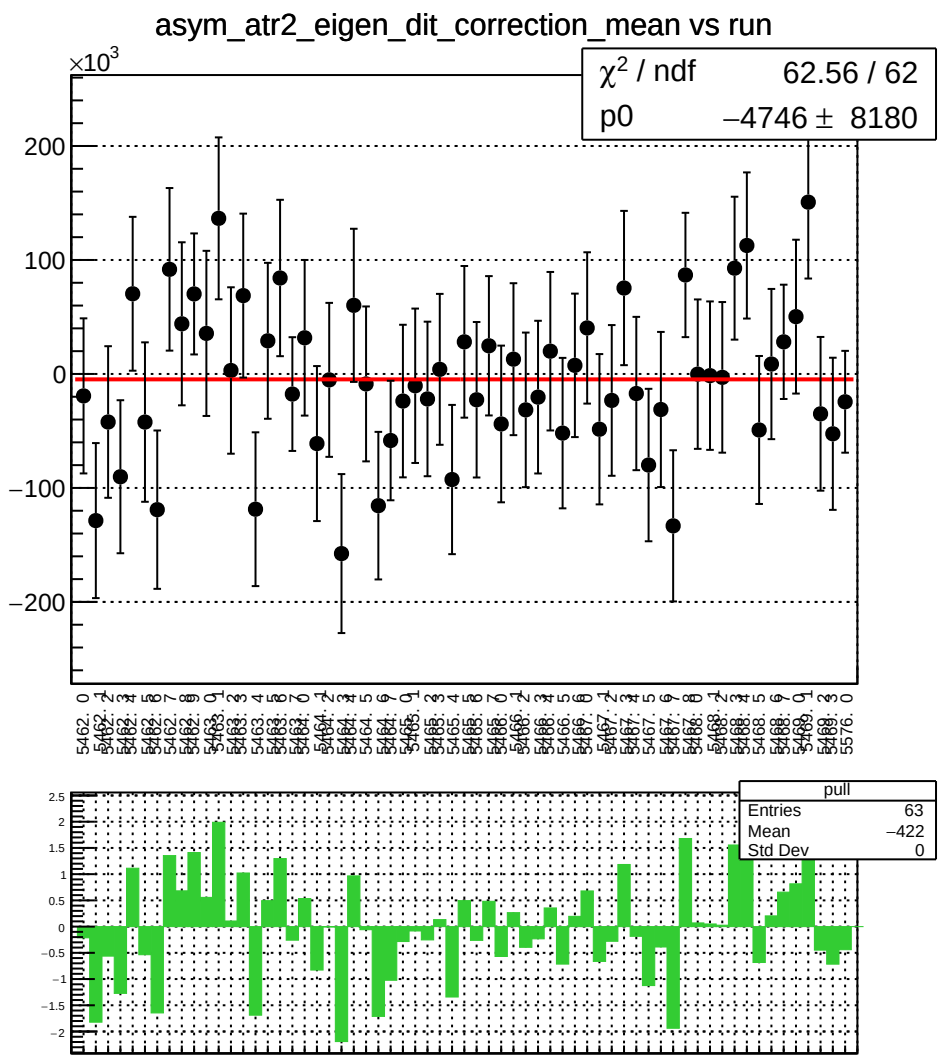

pull1D
Entries 63
Mean −0.00465
Std Dev 0.9965

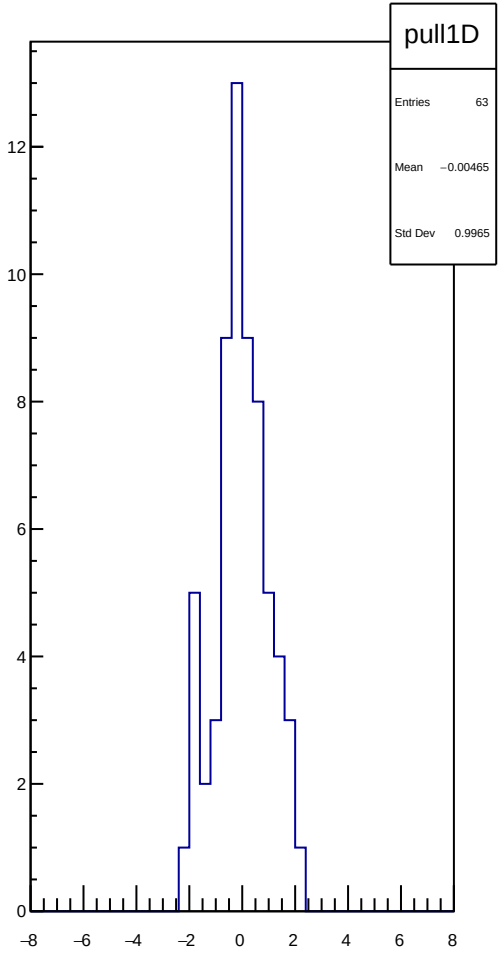

asym_atr2_dit_correction_rms vs run
χ² / ndf 3110 / 62
p0 6357 ± 5.784
7000
6500
6000
5500
5000

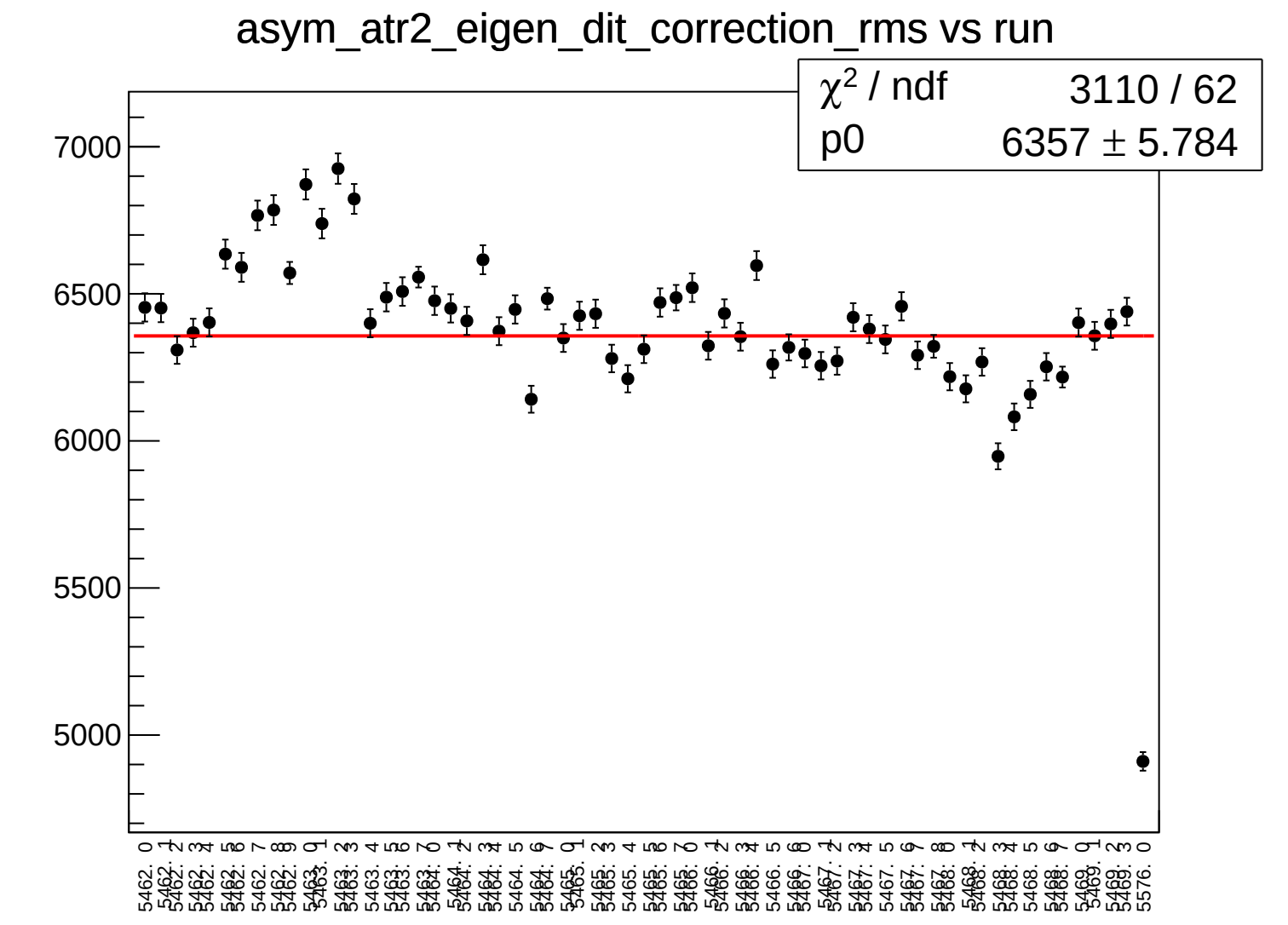

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 81.08 / 62
p0 3911 ± 3009
pull
Entries 63
Mean −173.1
Std Dev 0

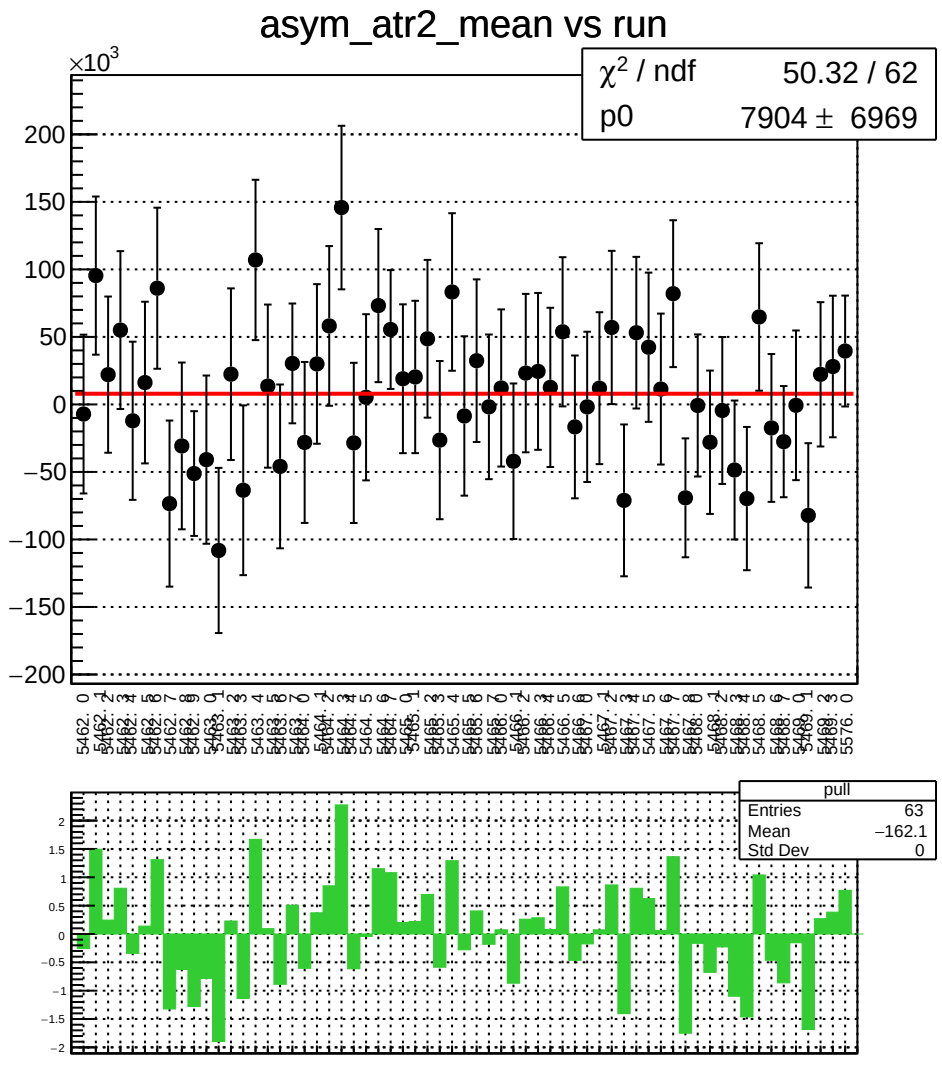

pull1D
Entries 63
Mean −0.0103
Std Dev 1.134

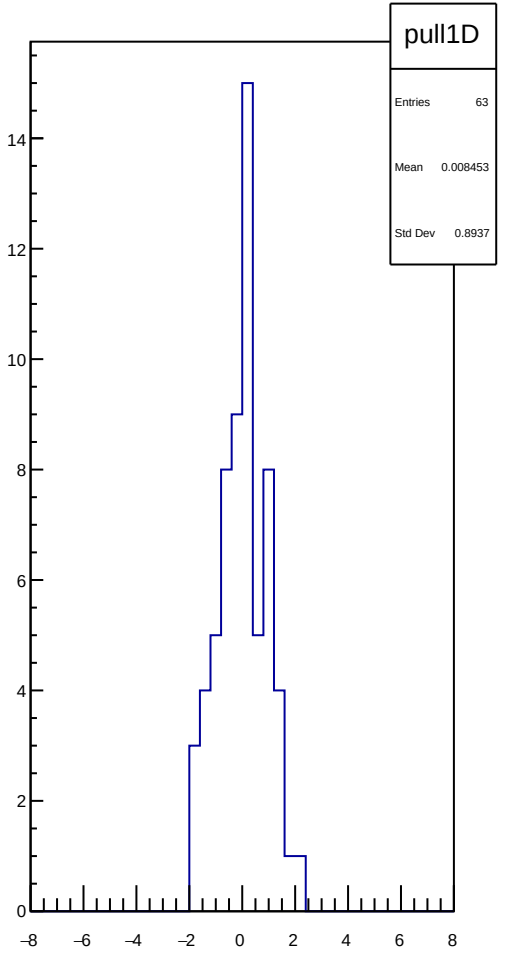

eigen_dit_asym_atr2_rms vs run
χ² / ndf 1364 / 62
p0 2340 ± 2.128
2600
2500
2400
2300
2200
2100

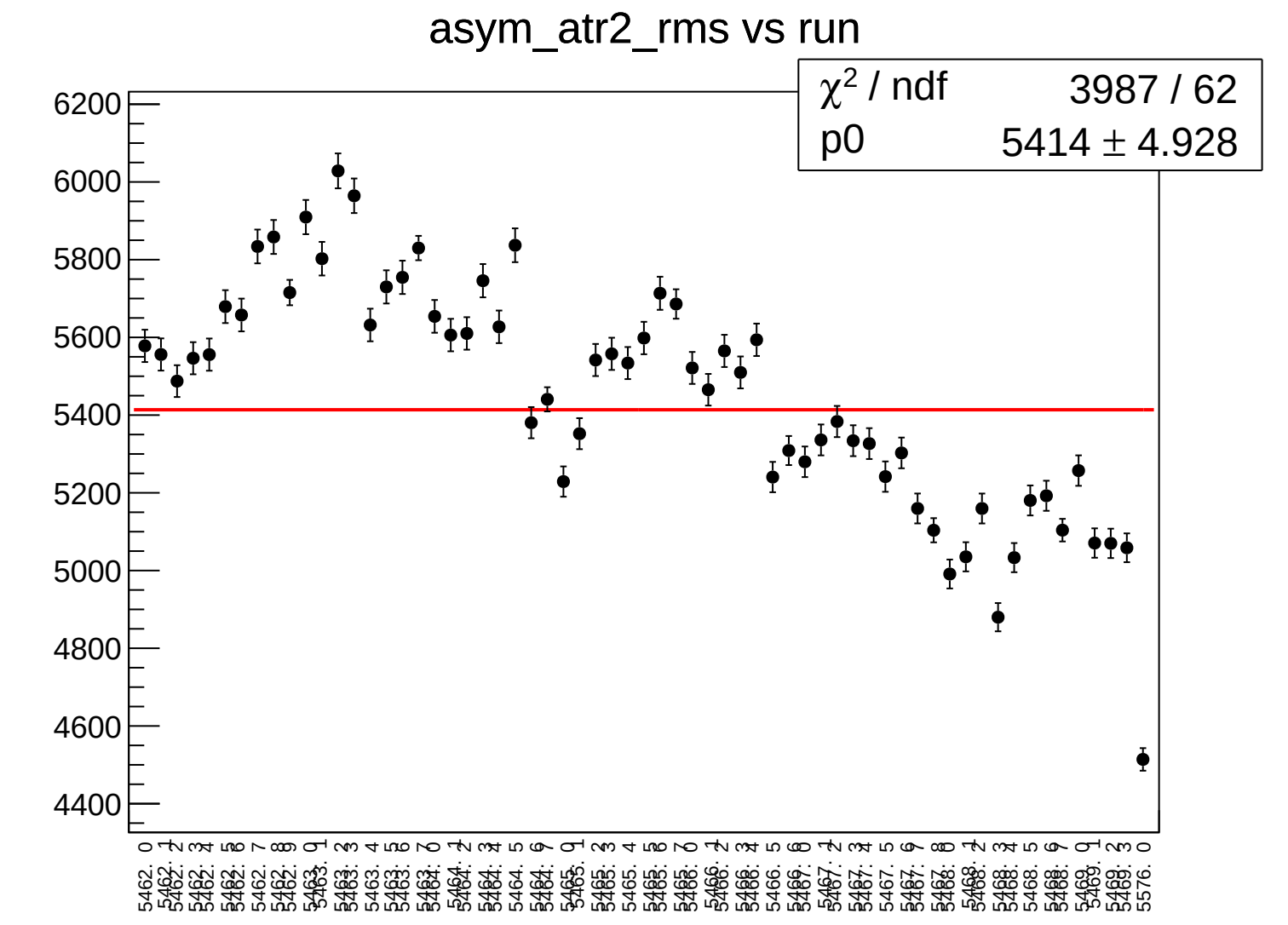

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 62.56 / 62
p0 −4746 ± 8180
200
100
0
−100
−200
pull
Entries 63
Mean −422
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

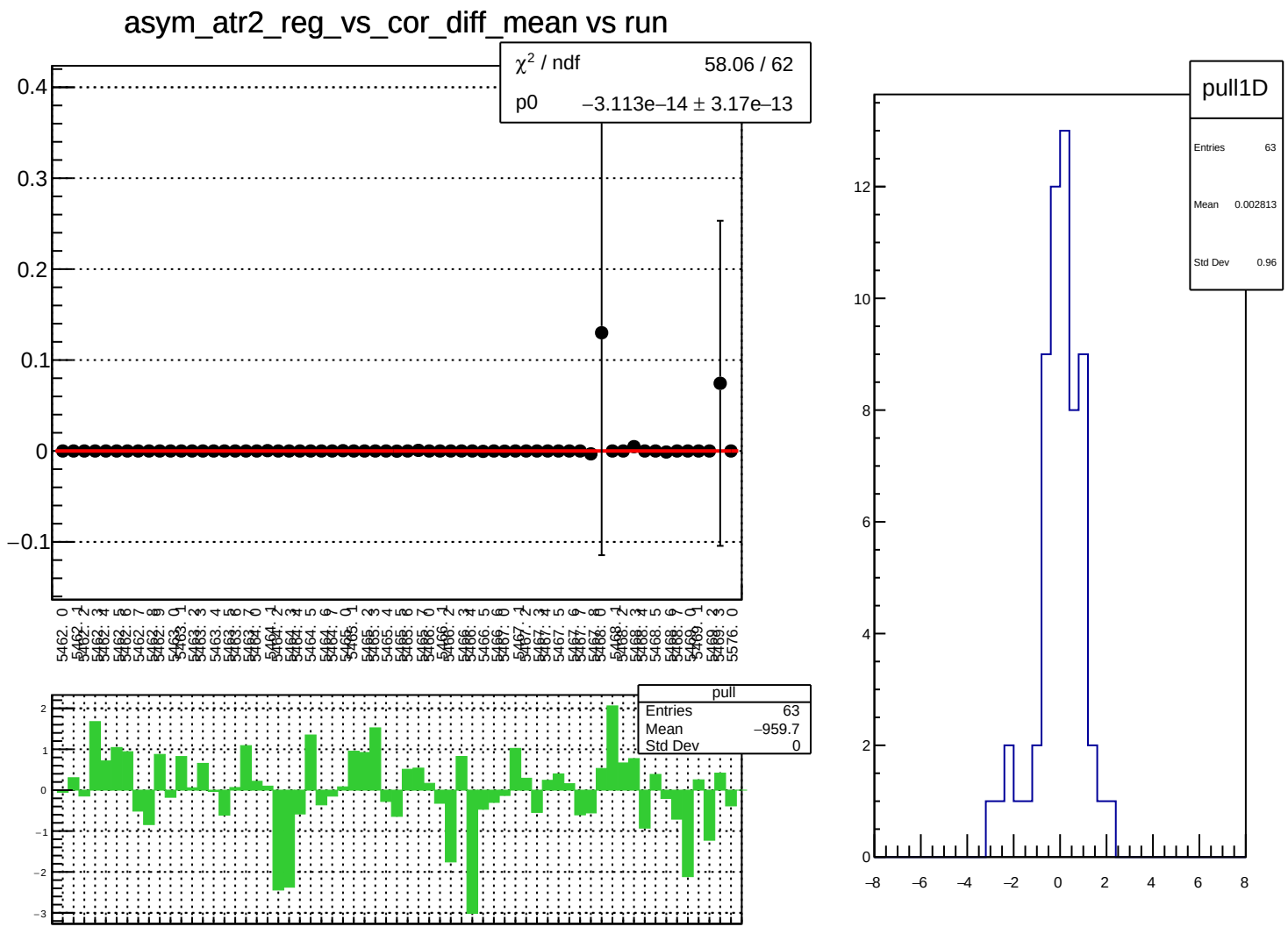

pull1D
Entries 63
Mean −0.00465
Std Dev 0.9965
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

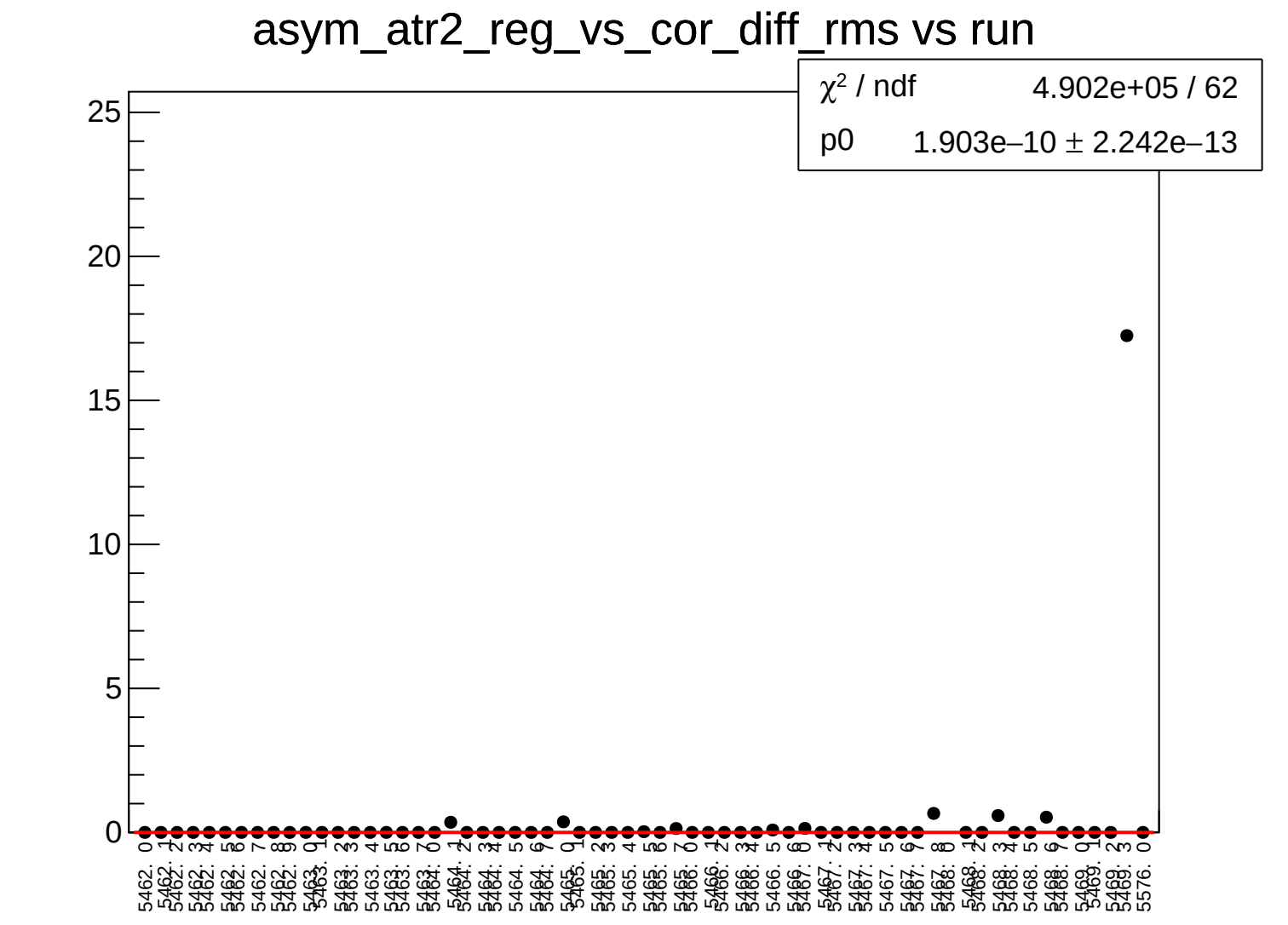

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 3110 / 62
p0 6357 ± 5.784
7000
6500
6000
5500
5000

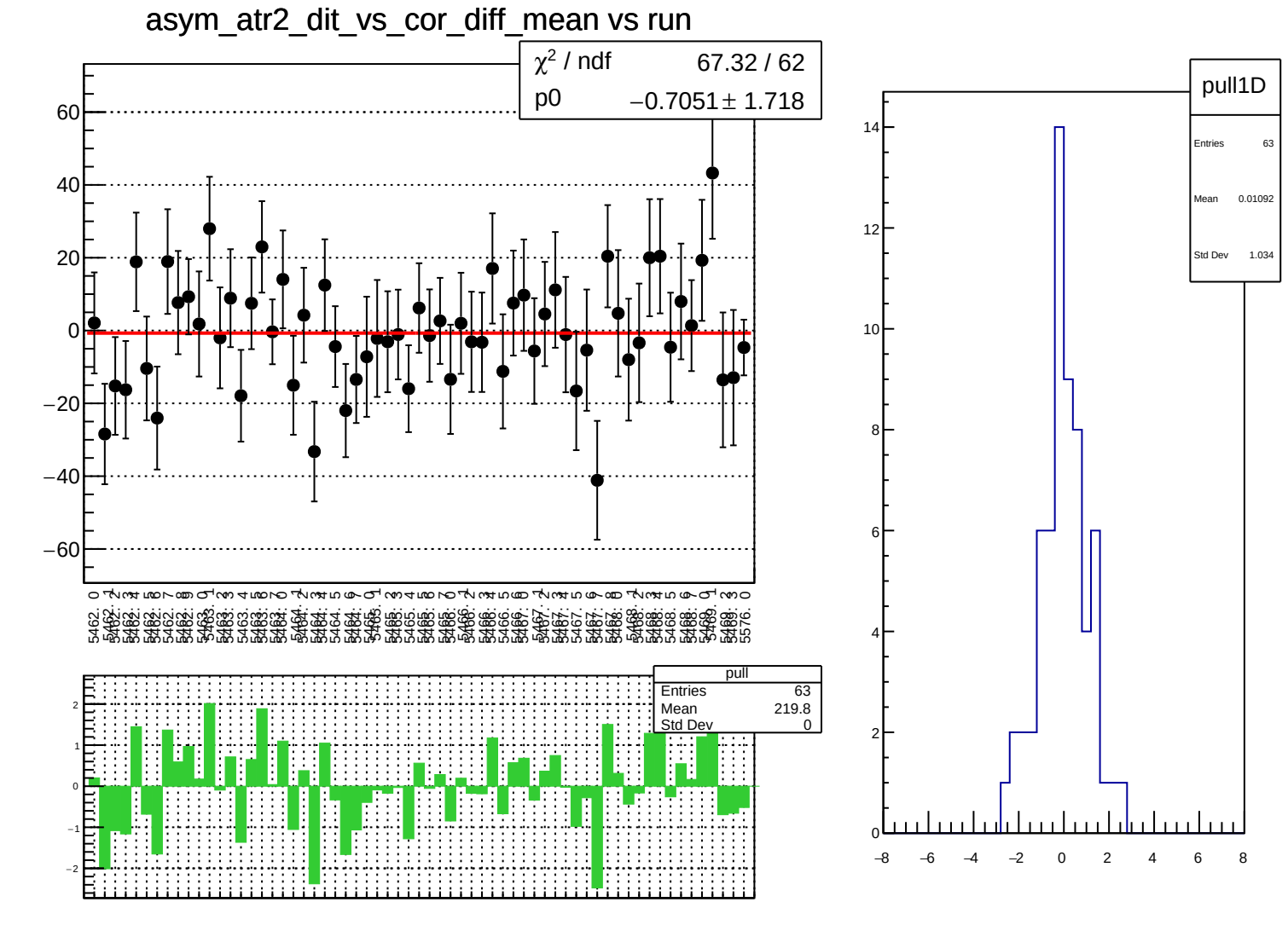

asym_atr2_mean vs run
×10^3
χ^2 / ndf 50.32 / 62
p0 7904 ± 6969
pull
Entries 63
Mean −162.1
Std Dev 0

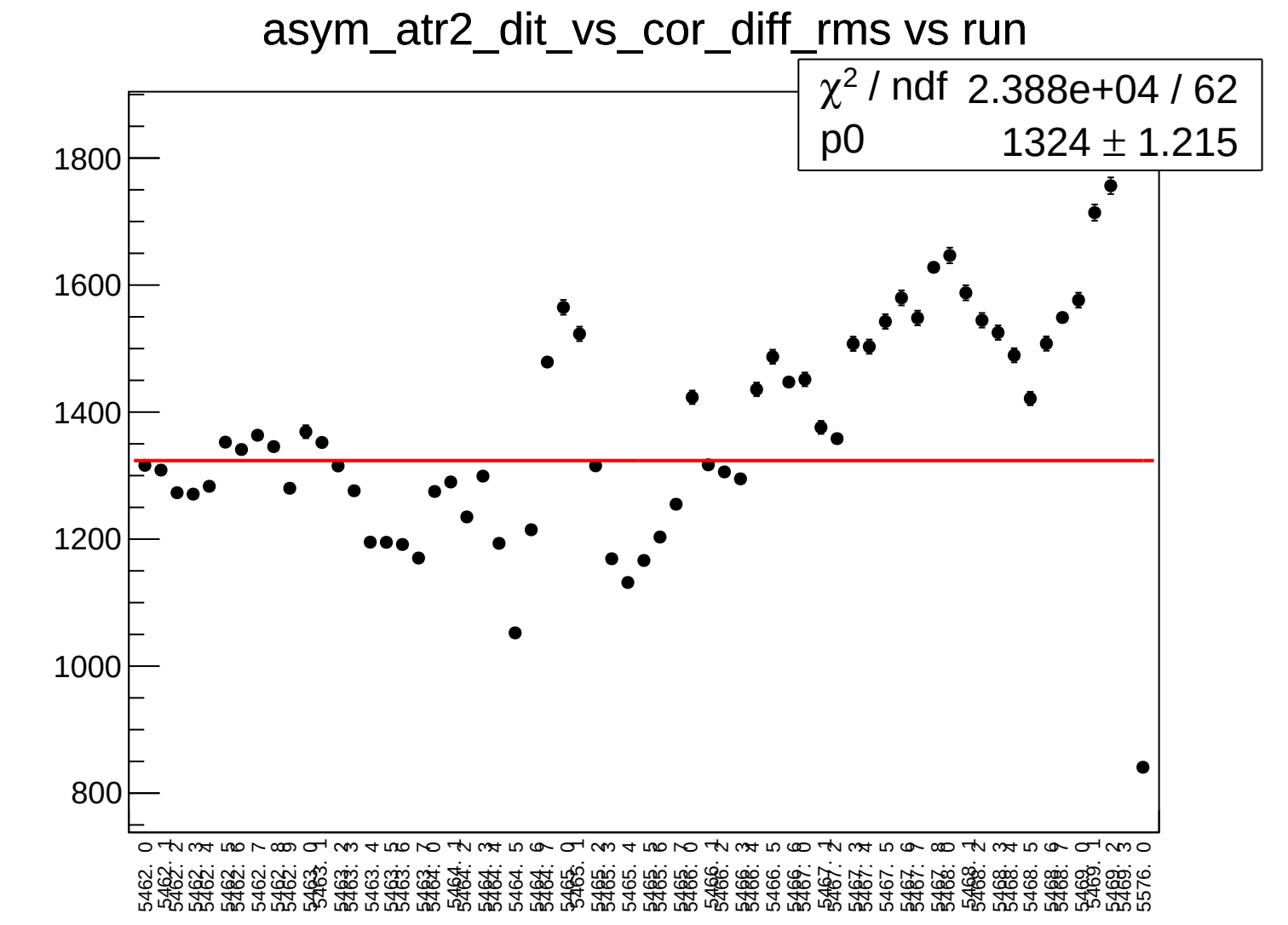

pull1D
Entries 63
Mean 0.008453
Std Dev 0.8937

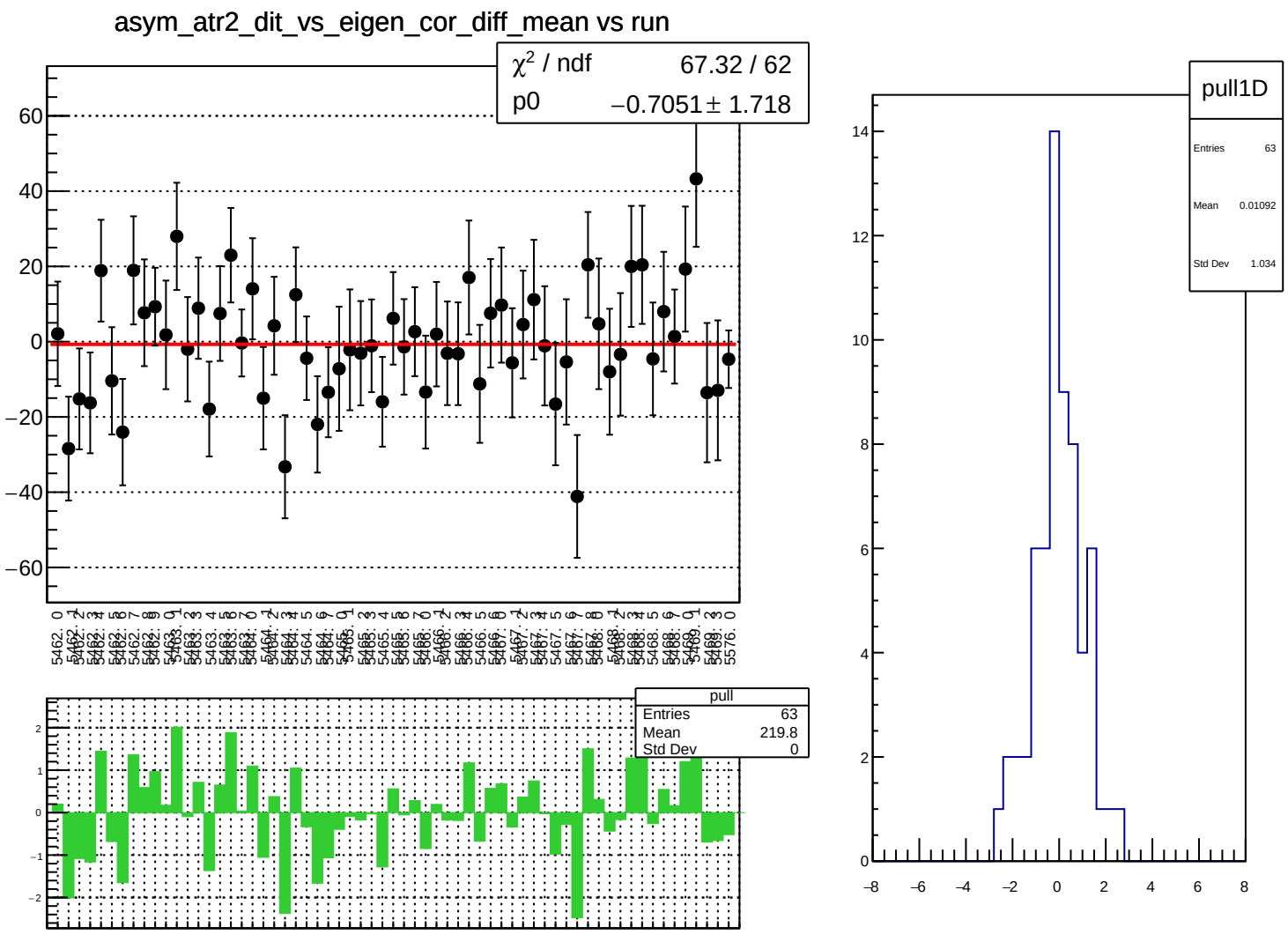

asym_atr2_rms vs run
χ² / ndf 3987 / 62
p0 5414 ± 4.928
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

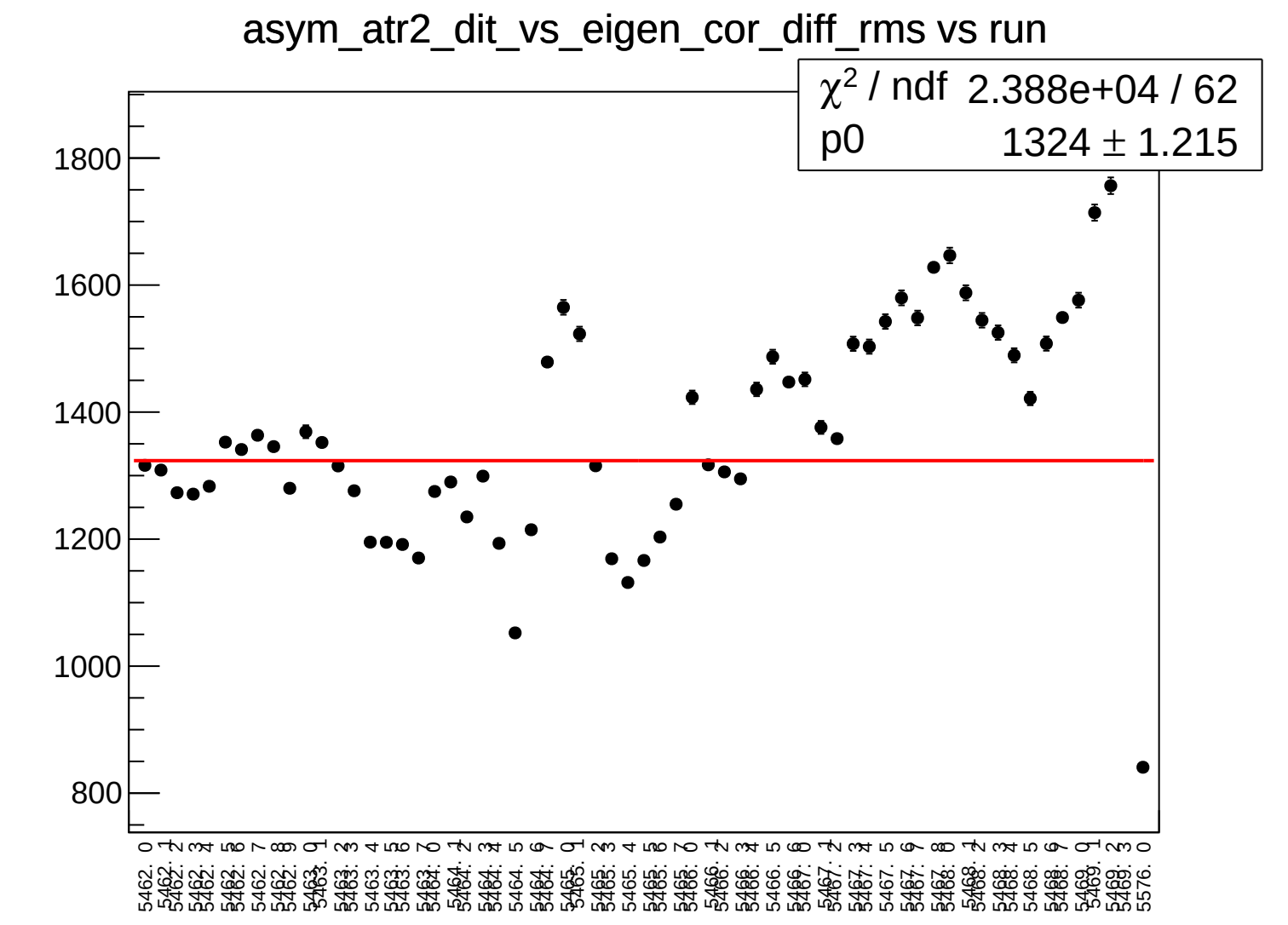

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 58.06 / 62
p0 −3.113e−14 ± 3.17e−13
pull
Entries 63
Mean −959.7
Std Dev 0
pull1D
Entries 63
Mean 0.002813
Std Dev 0.96

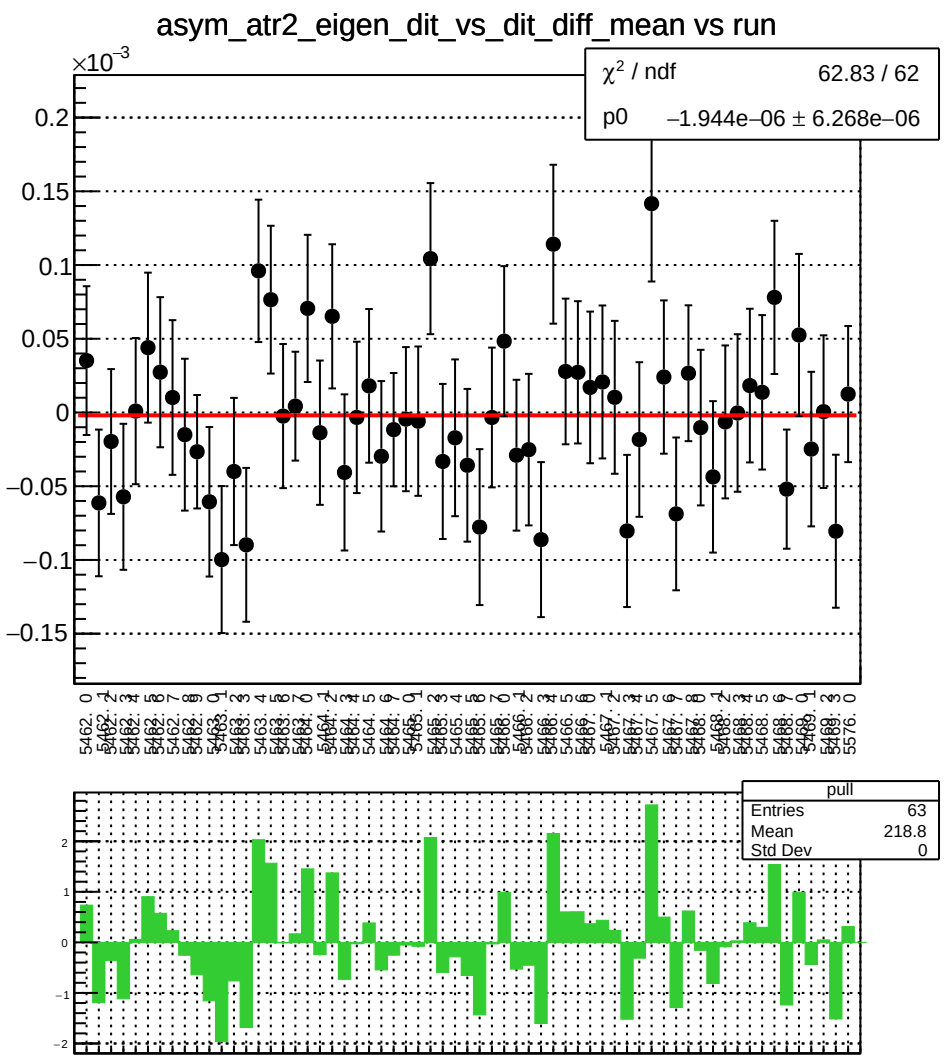

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.902e+05 / 62
p0 1.903e−10 ± 2.242e−13
25
20
15
10
5
0

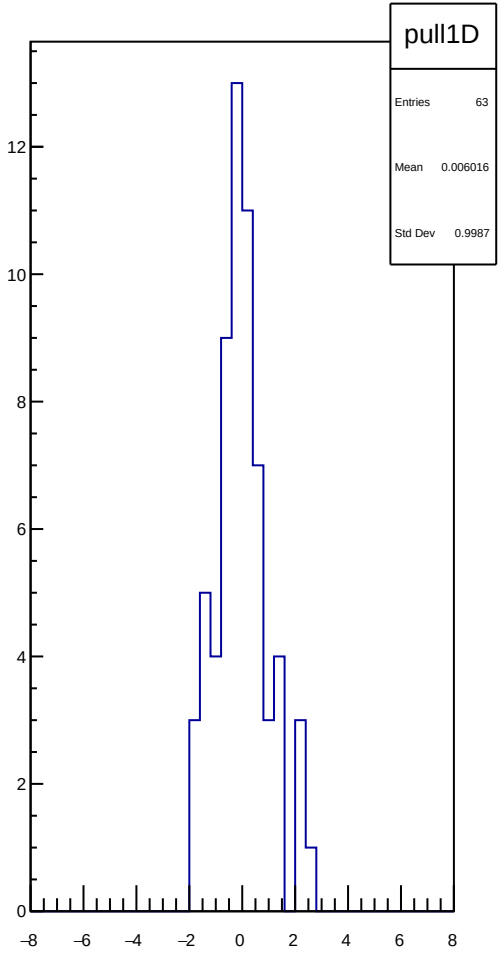

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 67.32 / 62
p0 −0.7051 ± 1.718
pull
Entries 63
Mean 219.8
Std Dev 0
pull1D
Entries 63
Mean 0.01092
Std Dev 1.034

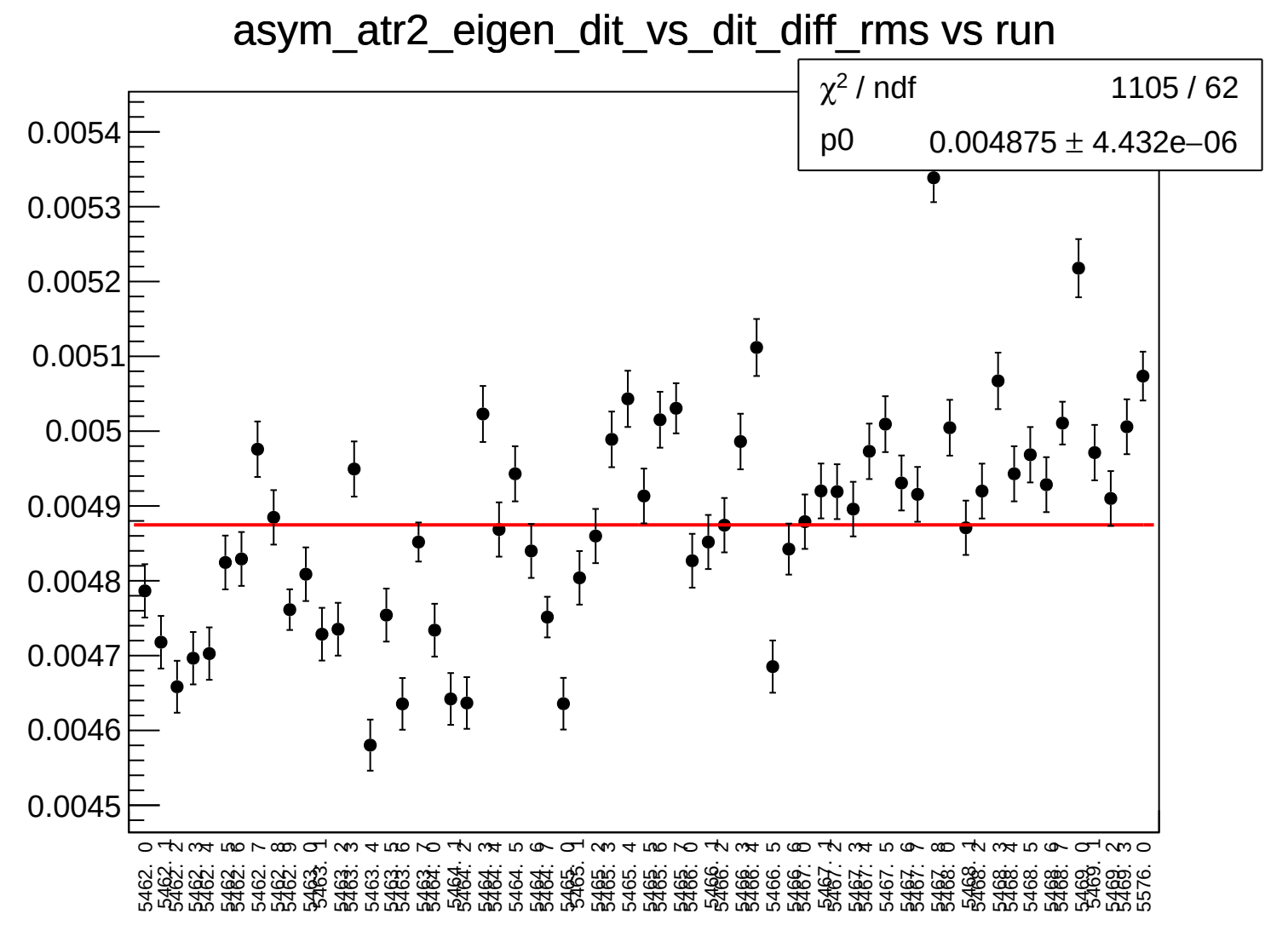

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.388e+04 / 62
p0 1324 ± 1.215
1800
1600
1400
1200
1000
800

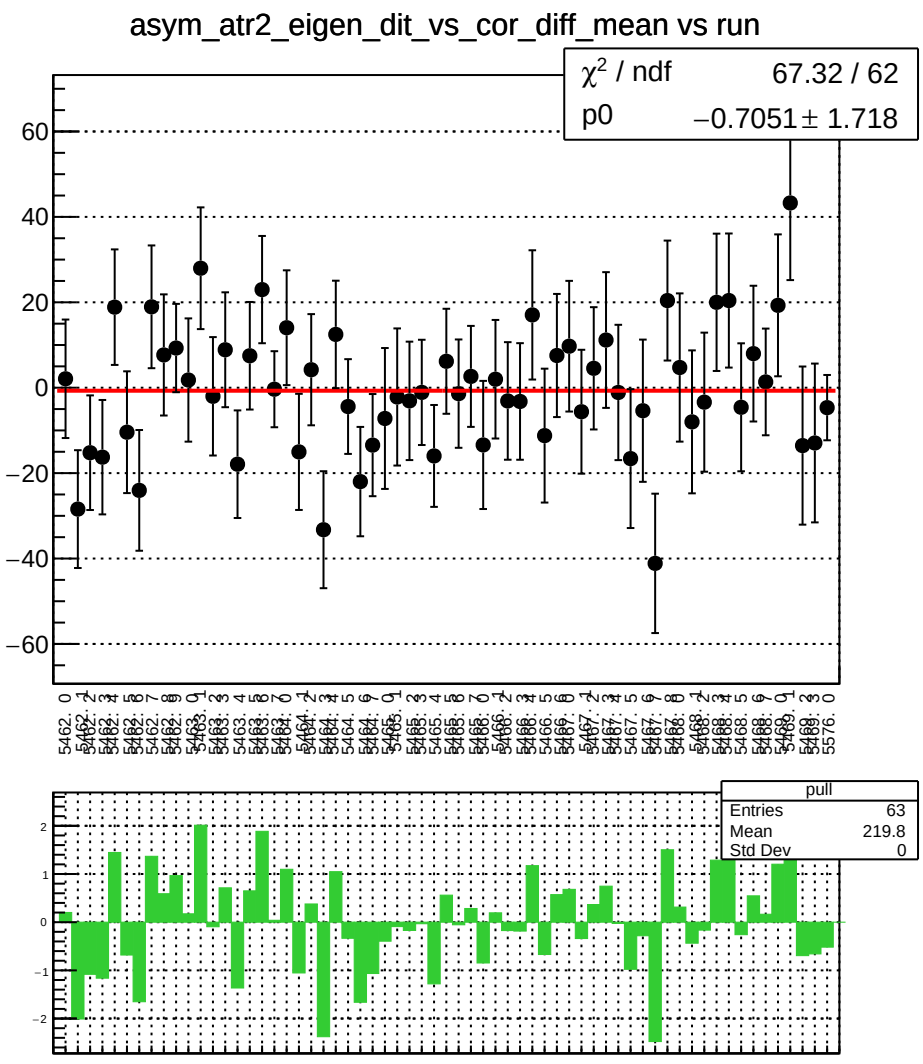

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.32 / 62
p0 −0.7051 ± 1.718
pull
Entries 63
Mean 219.8
Std Dev 0
pull1D
Entries 63
Mean 0.01092
Std Dev 1.034

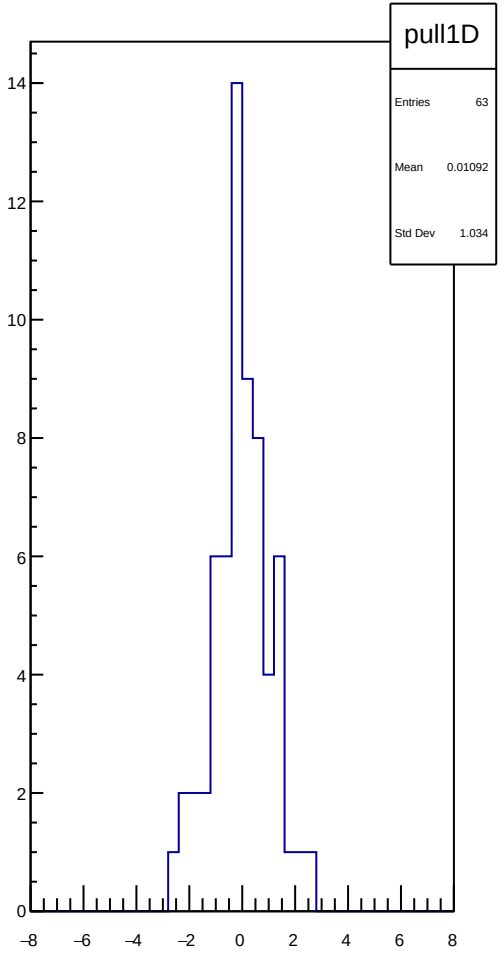

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.388e+04 / 62
p0 1324 ± 1.215
1800
1600
1400
1200
1000
800
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

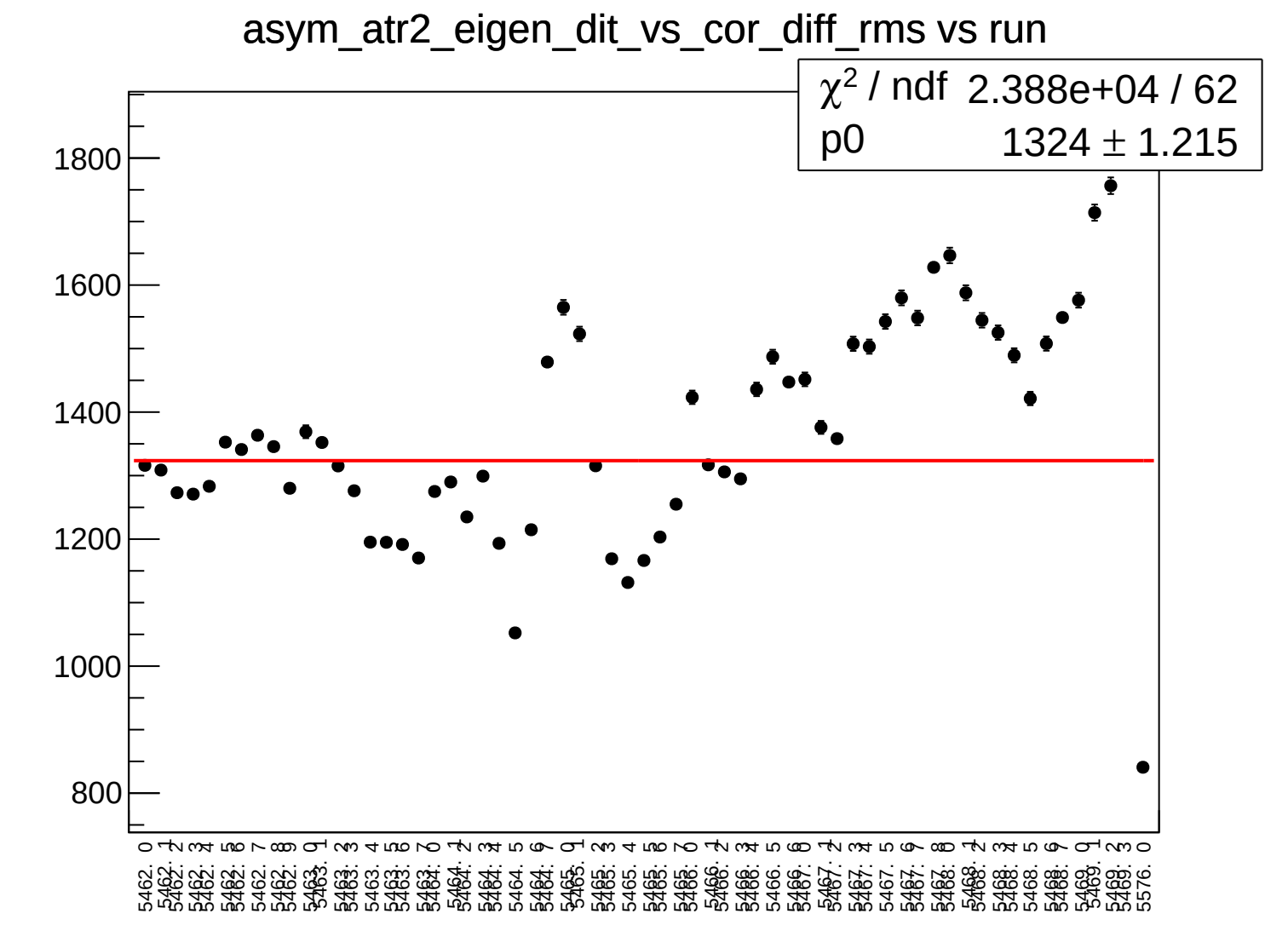

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.83 / 62
p0 −1.944e−06 ± 6.268e−06
pull
Entries 63
Mean 218.8
Std Dev 0

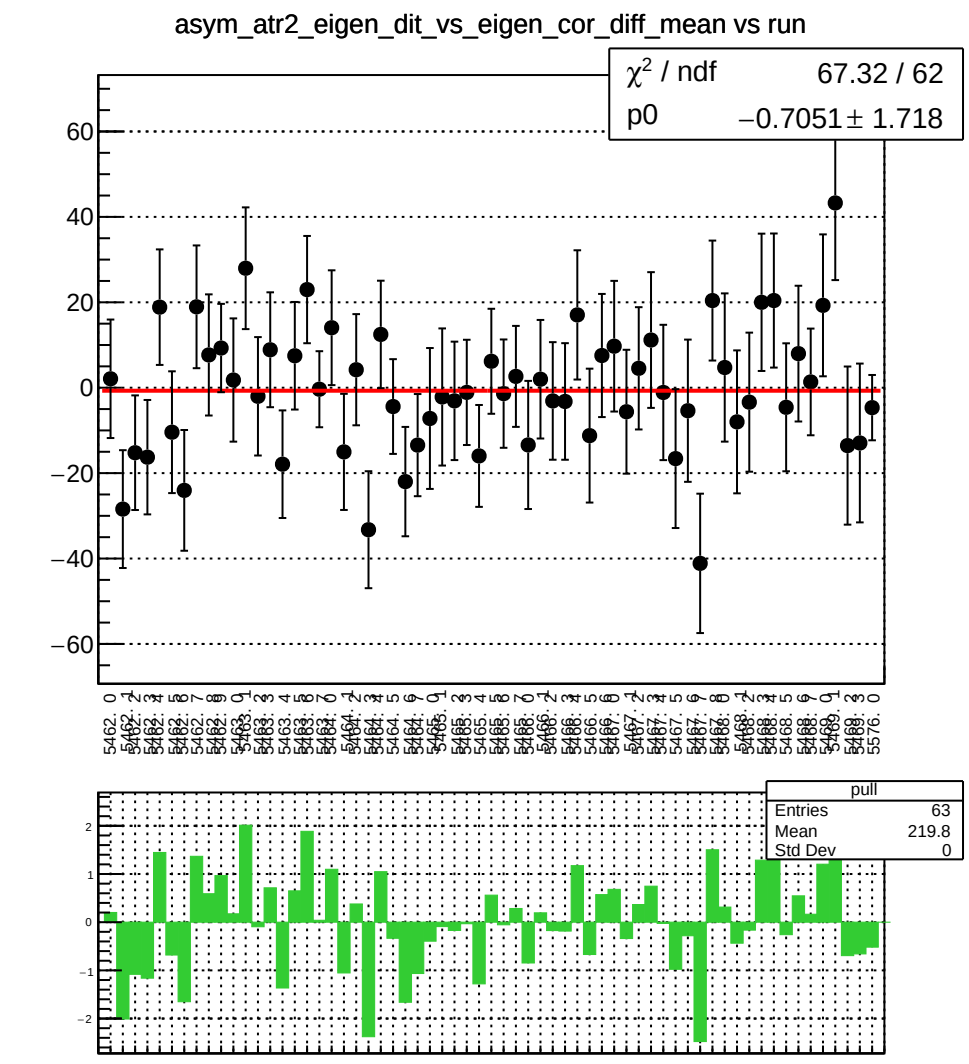

pull1D
Entries 63
Mean 0.006016
Std Dev 0.9987

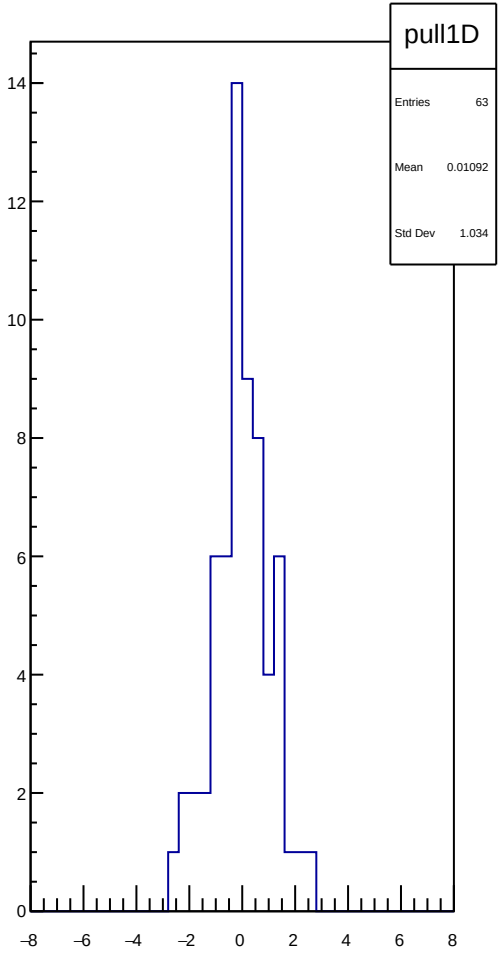

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1105 / 62
p0 0.004875 ± 4.432e−06
0.0054
0.0053
0.0052
0.0051
0.005
0.0049
0.0048
0.0047
0.0046
0.0045

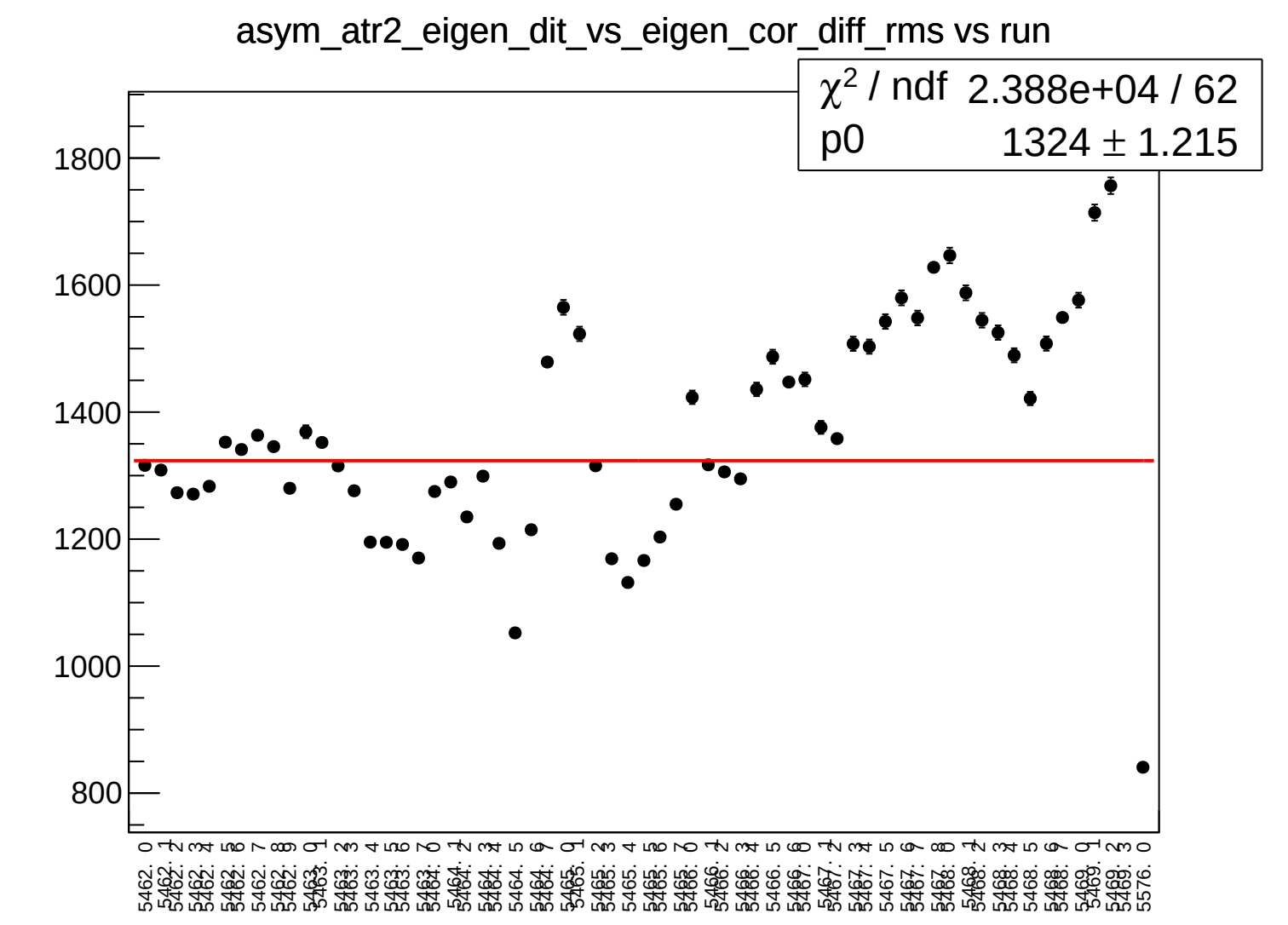

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.32 / 62
p0 −0.7051 ± 1.718
pull
Entries 63
Mean 219.8
Std Dev 0

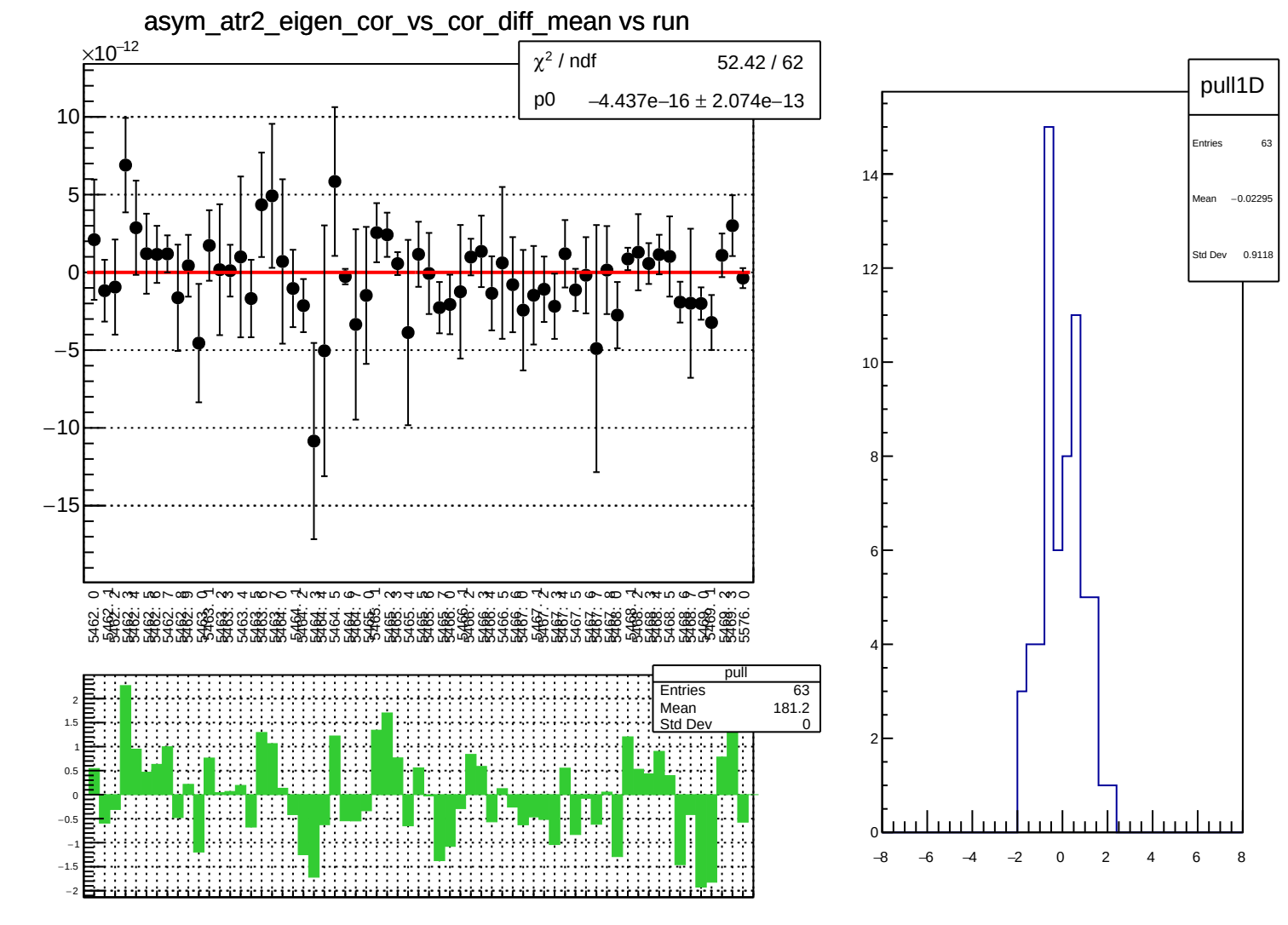

pull1D
Entries 63
Mean 0.01092
Std Dev 1.034

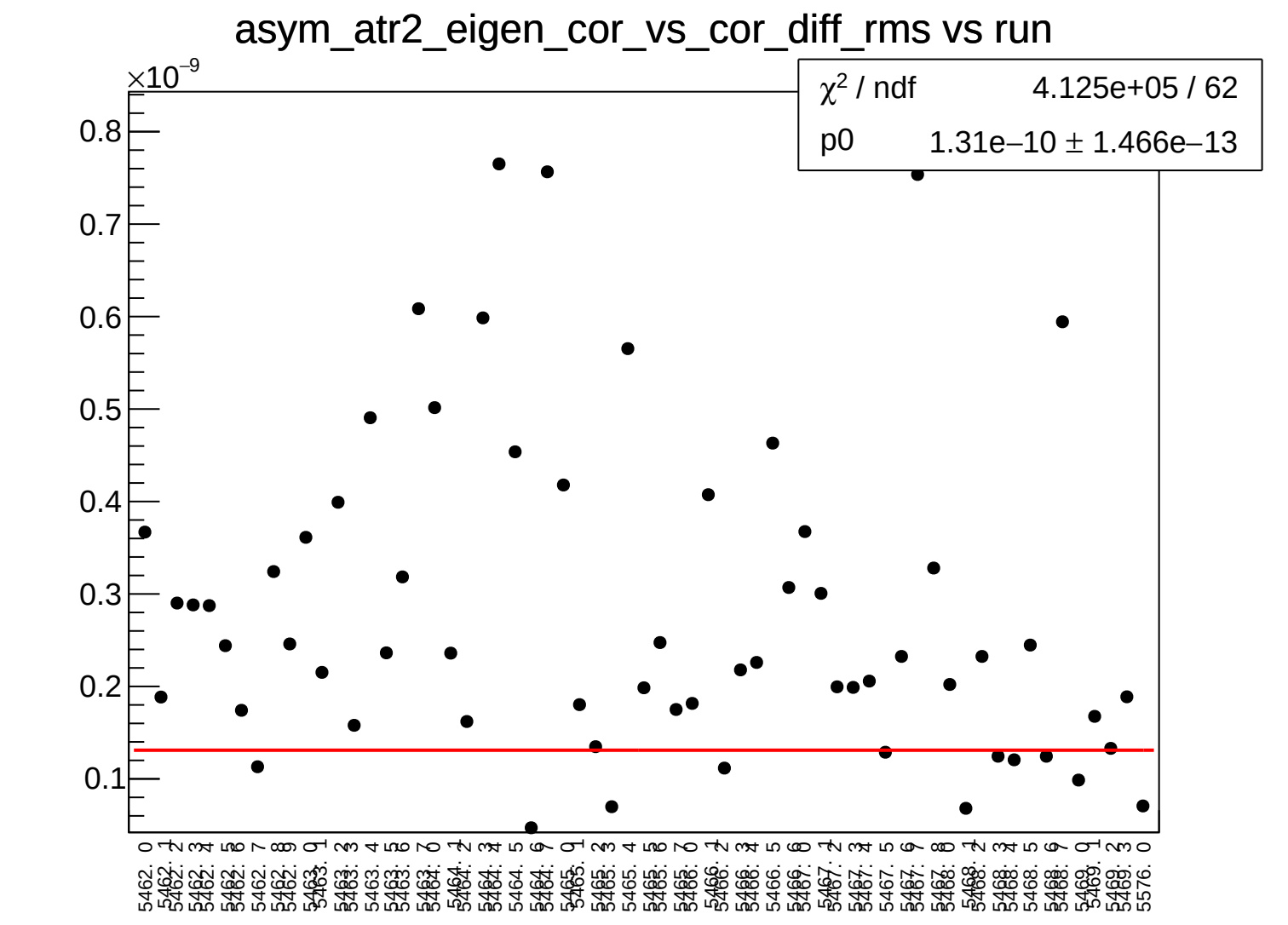

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.388e+04 / 62
p0 1324 ± 1.215
1800
1600
1400
1200
1000
800

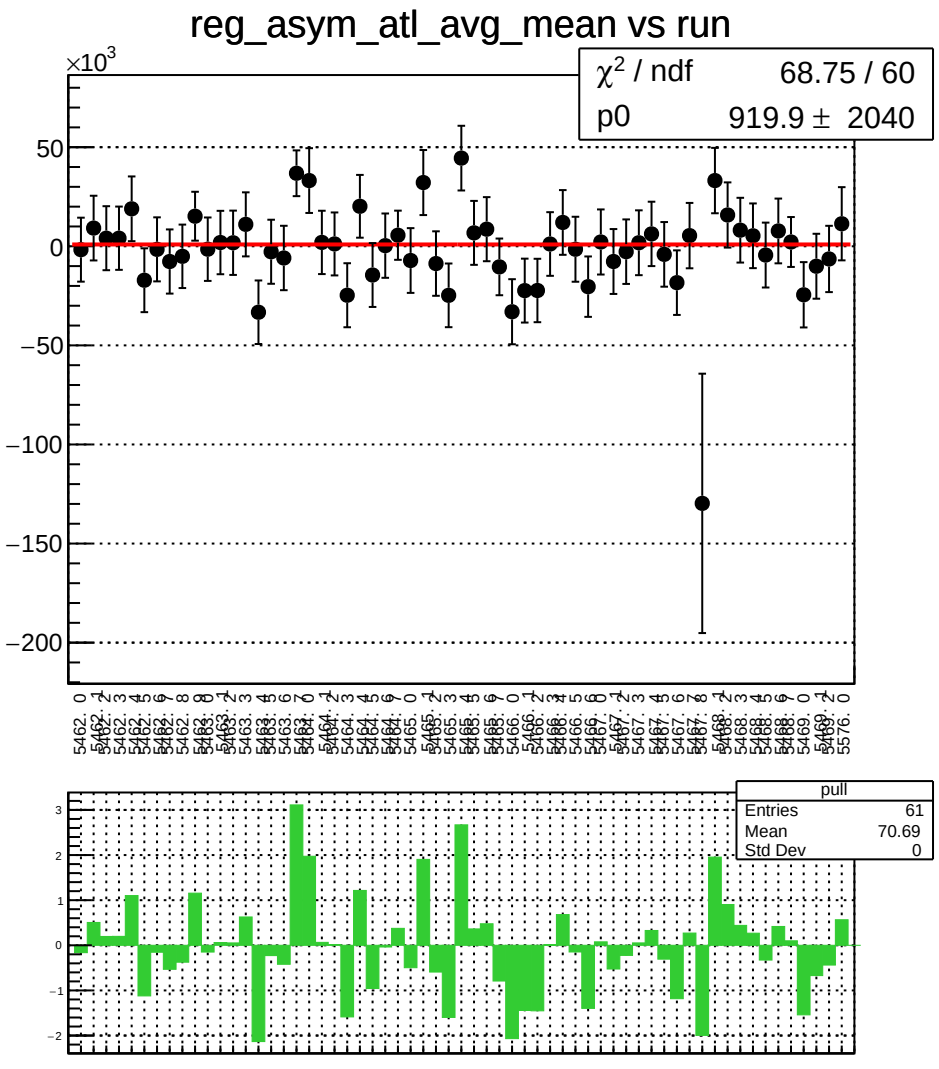

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.32 / 62
p0 −0.7051 ± 1.718
pull
Entries 63
Mean 219.8
Std Dev 0

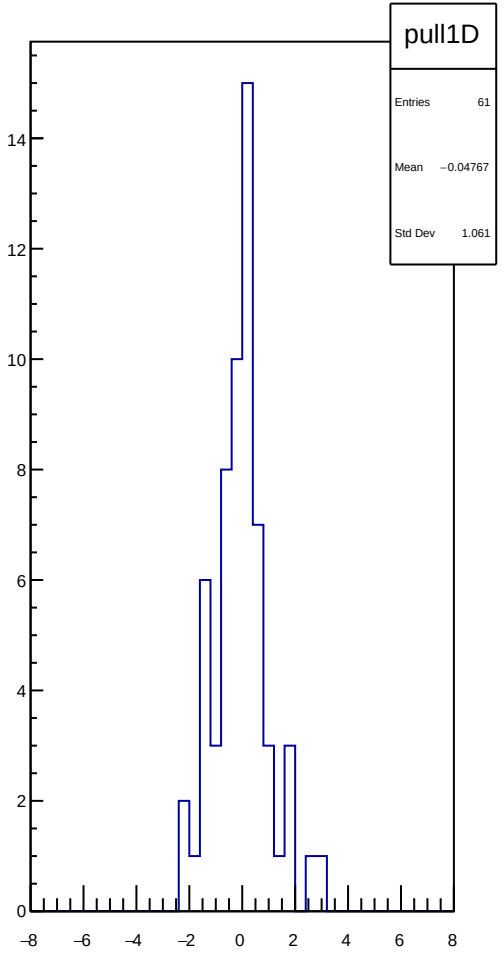

pull1D
Entries 63
Mean 0.01092
Std Dev 1.034

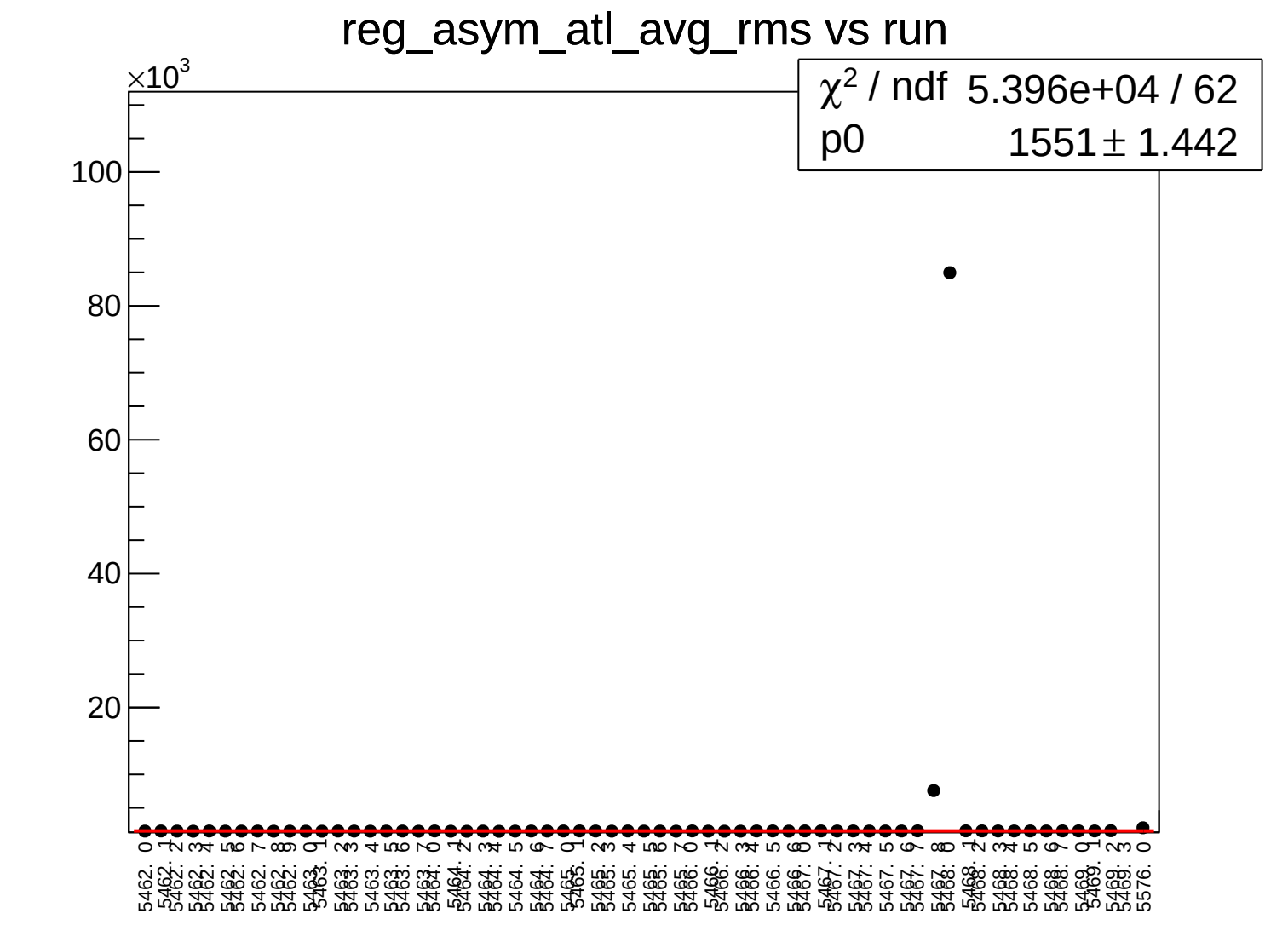

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.388e+04 / 62
p0 1324 ± 1.215
1800
1600
1400
1200
1000
800

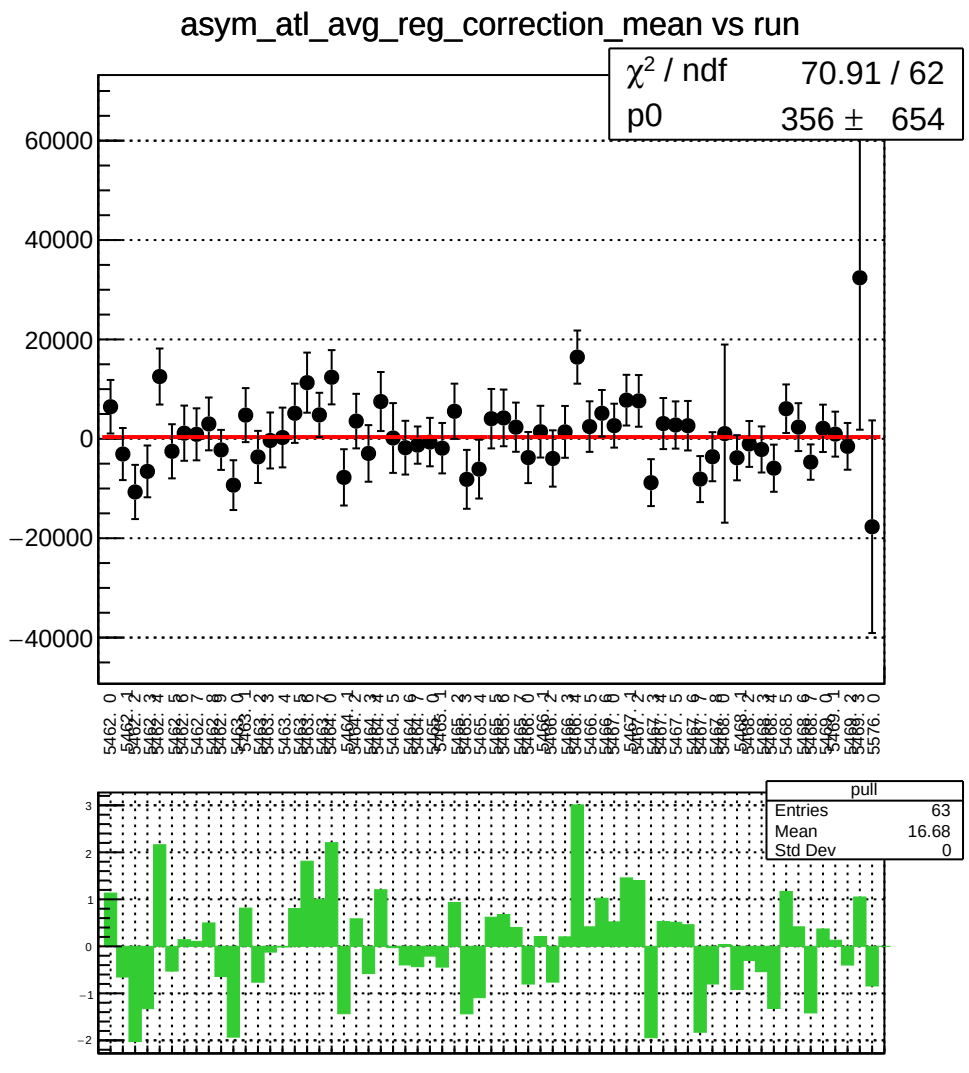

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.42 / 62
p0 −4.437e−16 ± 2.074e−13
pull
Entries 63
Mean 181.2
Std Dev 0
pull1D
Entries 63
Mean −0.02295
Std Dev 0.9118

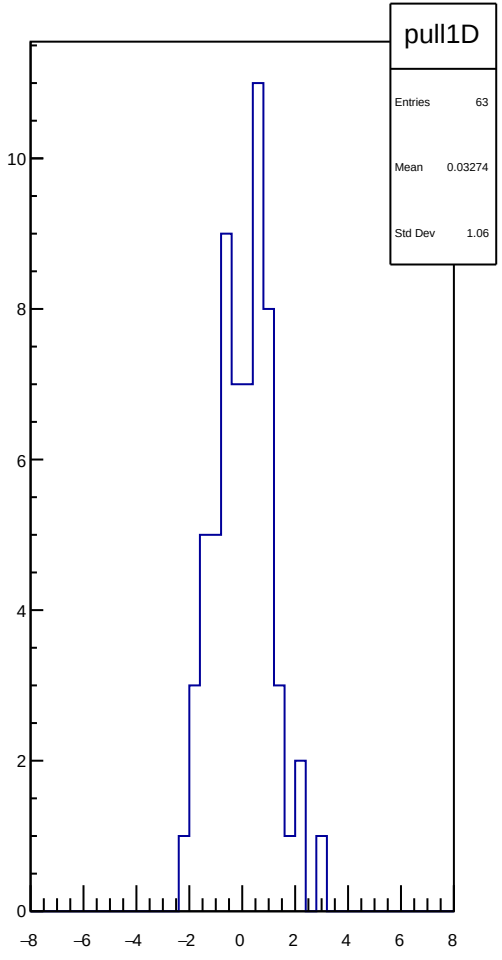

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.125e+05 / 62
p0 1.31e−10 ± 1.466e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

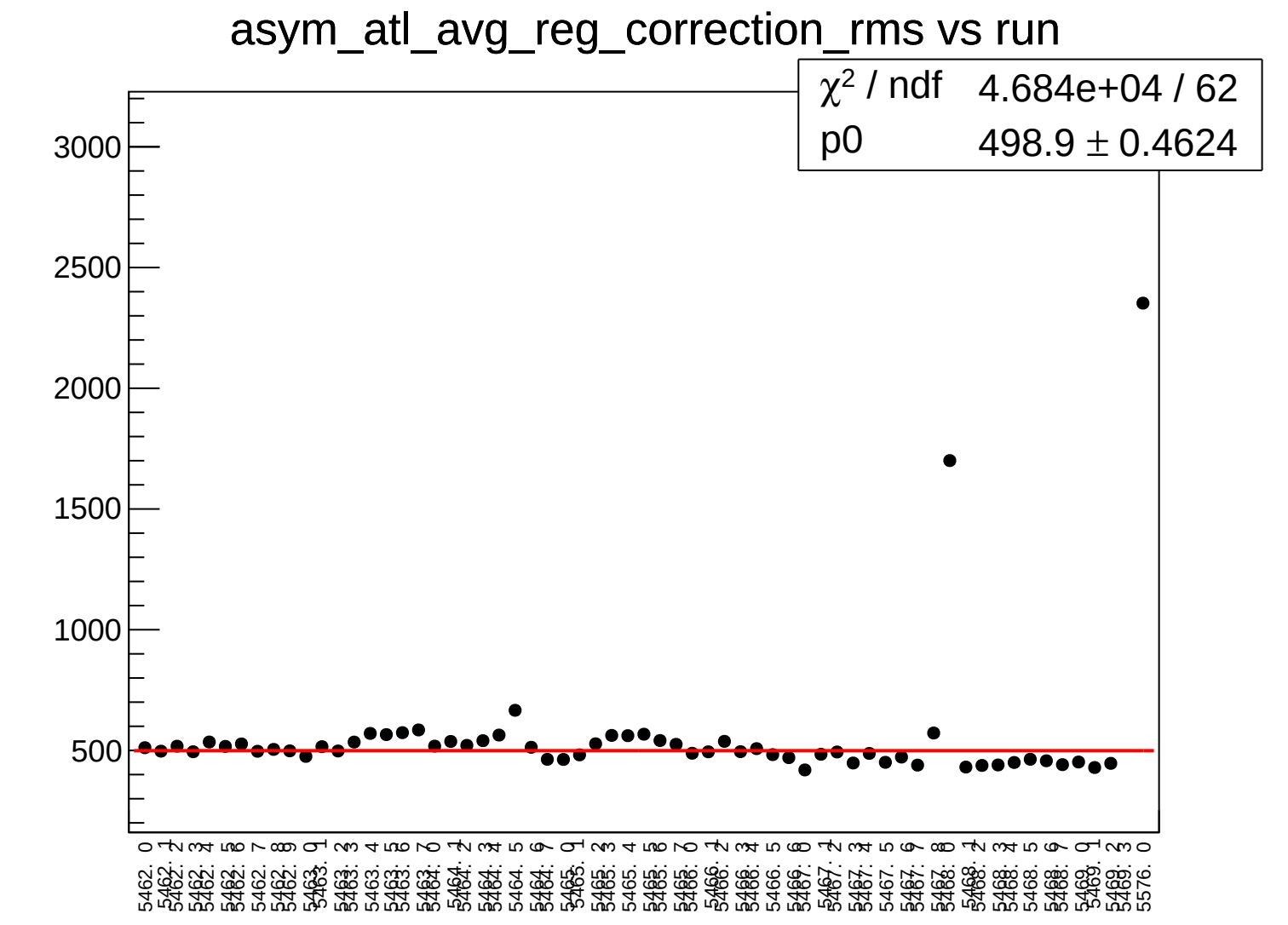

reg_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 68.75 / 60
p0 919.9 ± 2040
pull
Entries 61
Mean 70.69
Std Dev 0

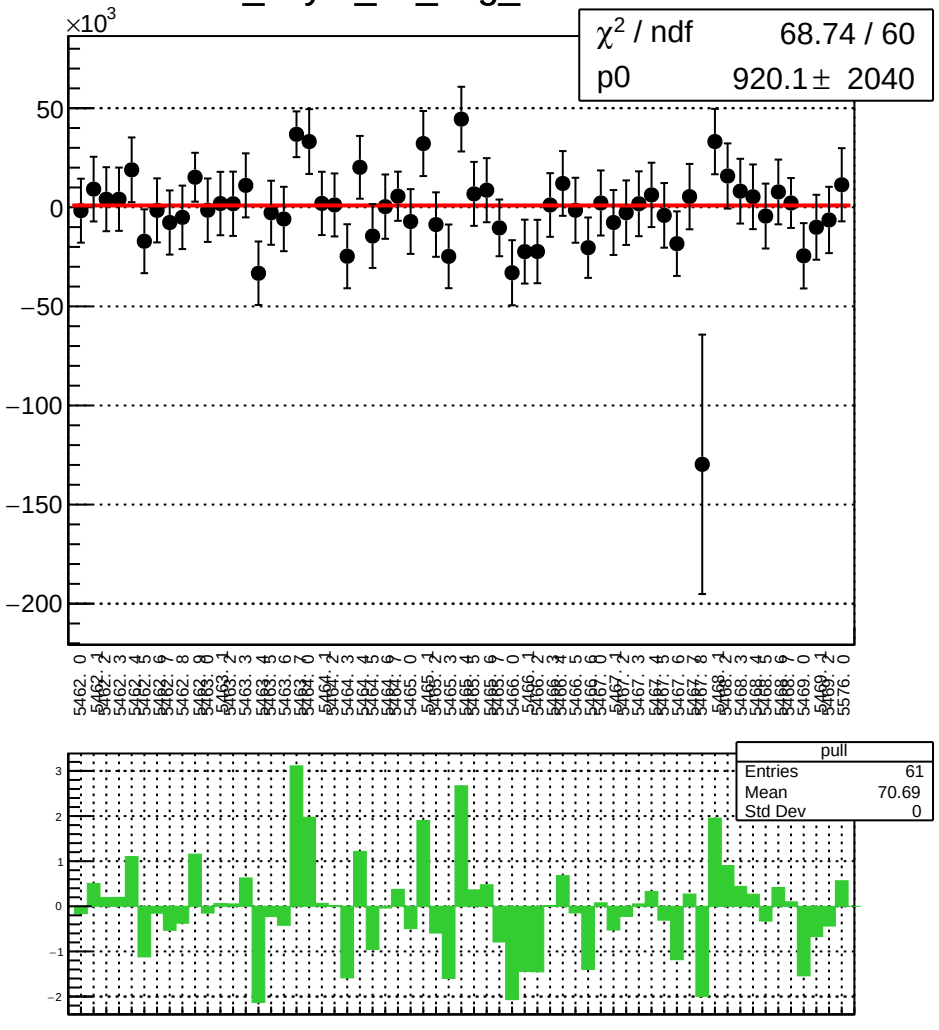

pull1D
Entries 61
Mean −0.04767
Std Dev 1.061

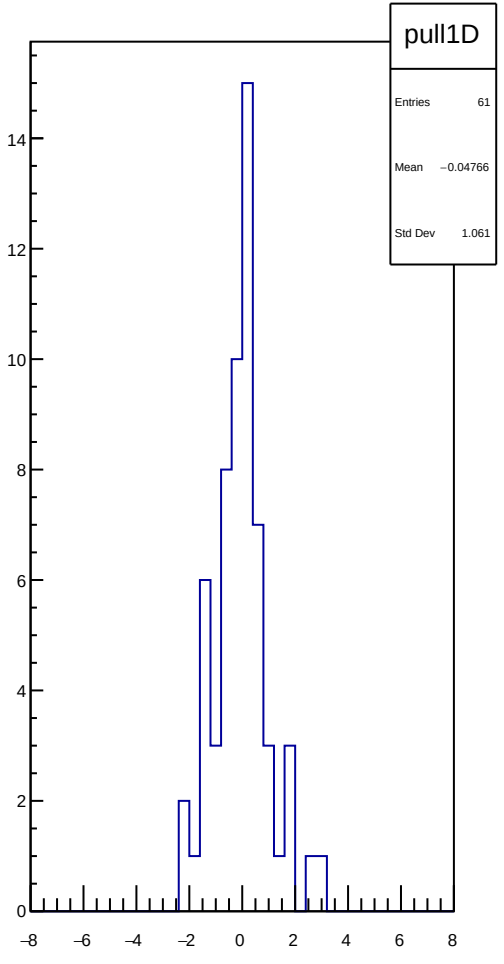

reg_asym_atl_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.396e+04 / 62
p0 1551 ± 1.442

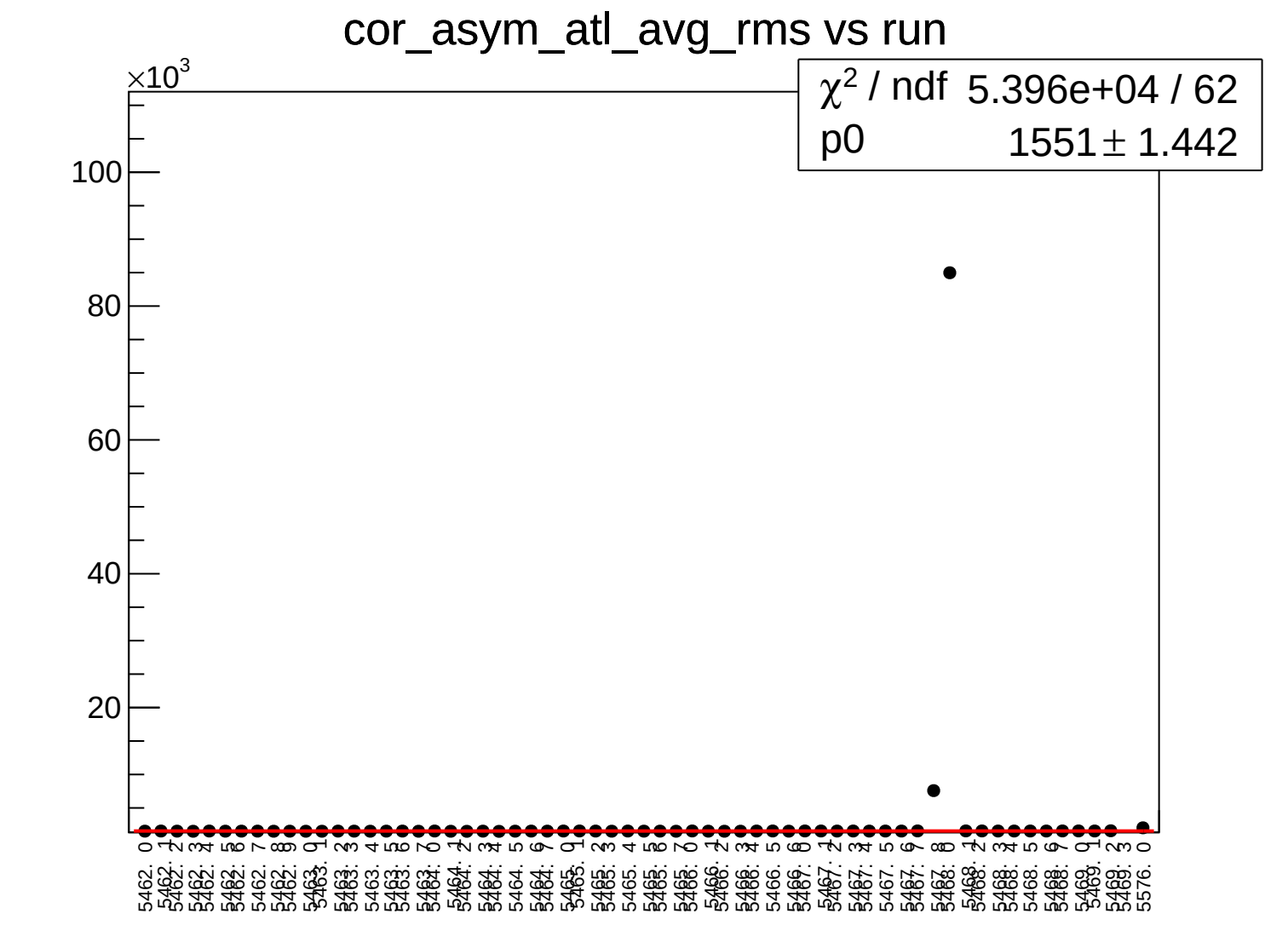

asym_atl_avg_reg_correction_mean vs run
χ² / ndf 70.91 / 62
p0 356 ± 654
60000
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 16.68
Std Dev 0
3
2
1
0
−1
−2

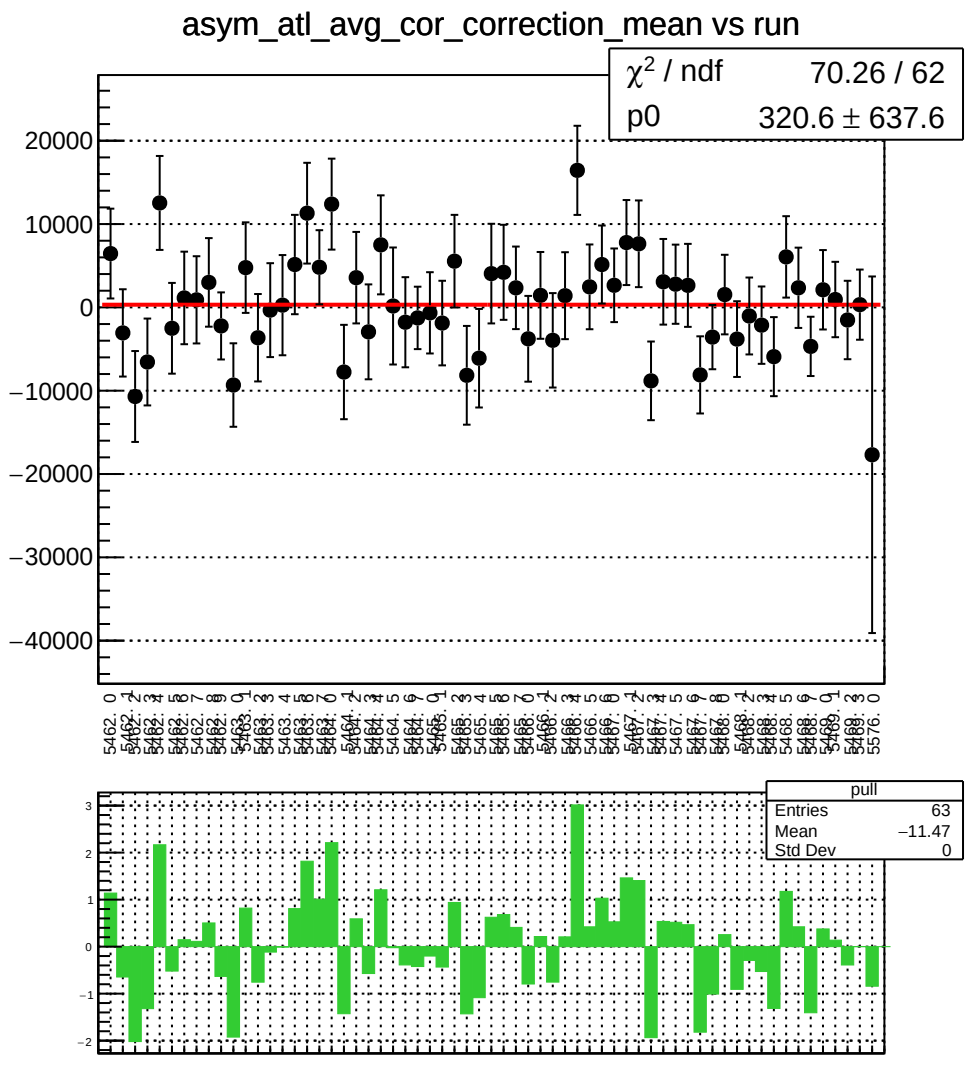

pull1D
Entries 63
Mean 0.03274
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

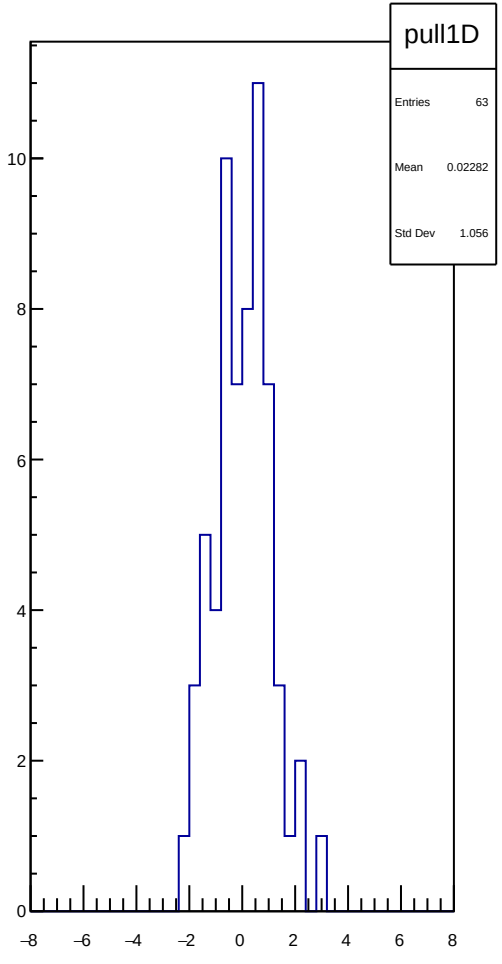

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 4.684e+04 / 62
p0 498.9 ± 0.4624
3000
2500
2000
1500
1000
500

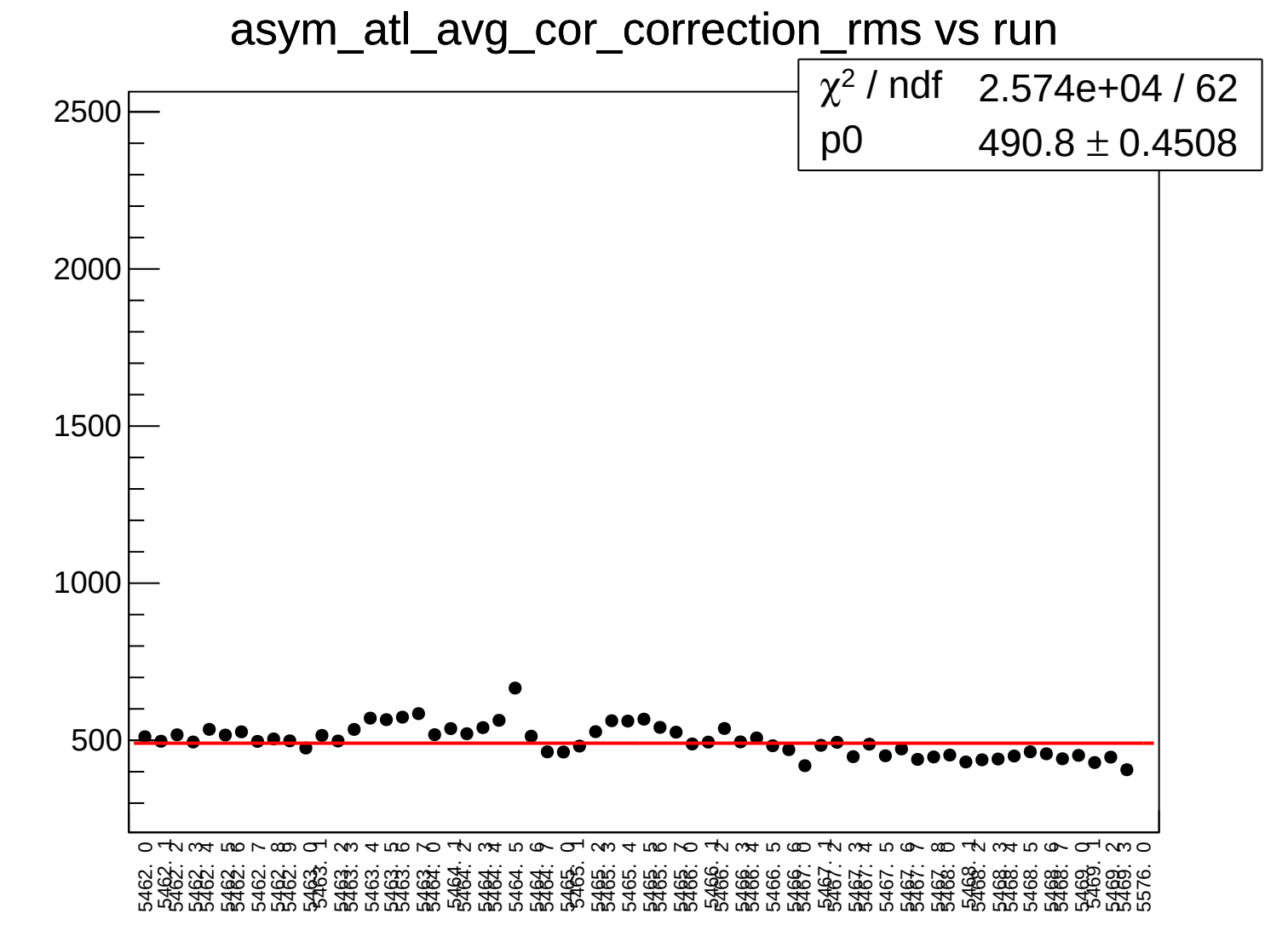

cor_asym_atl_avg_mean vs run
χ² / ndf 68.74 / 60
p0 920.1 ± 2040
pull
Entries 61
Mean 70.69
Std Dev 0

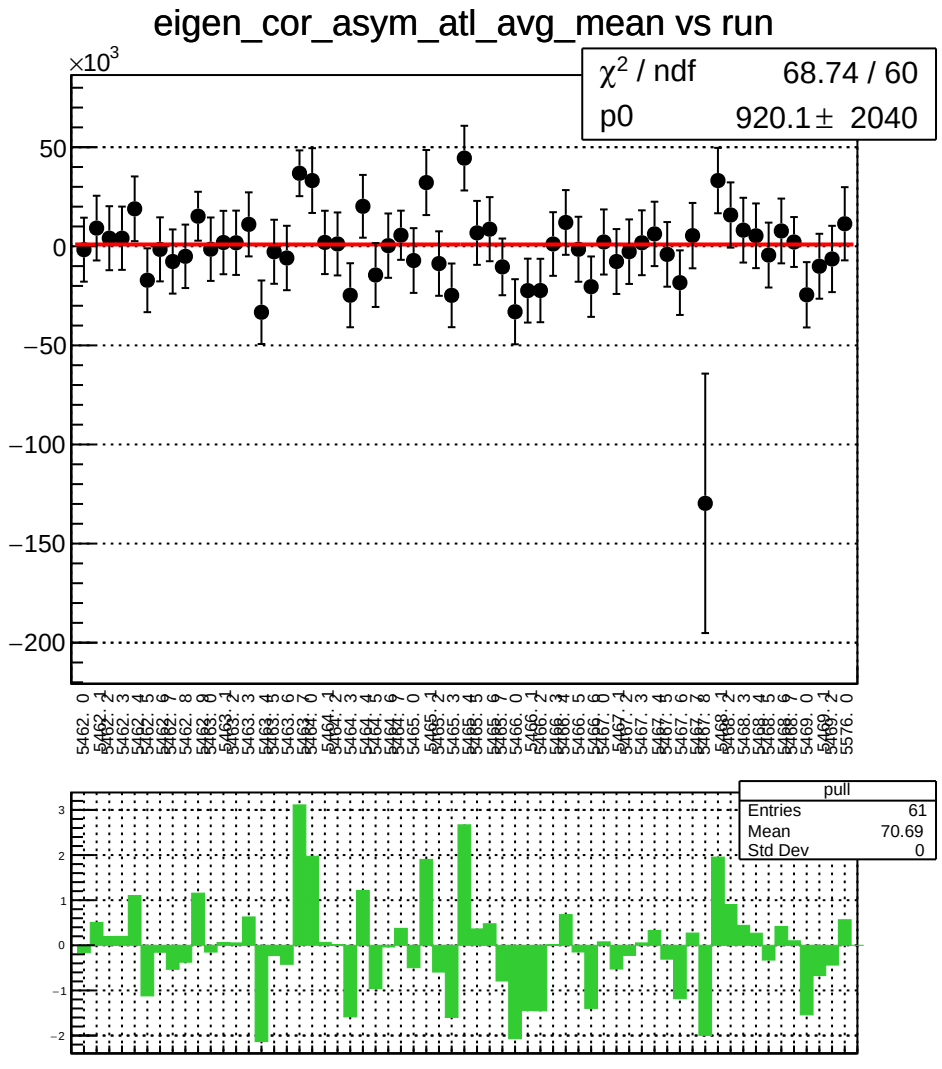

pull1D
Entries 61
Mean −0.04766
Std Dev 1.061

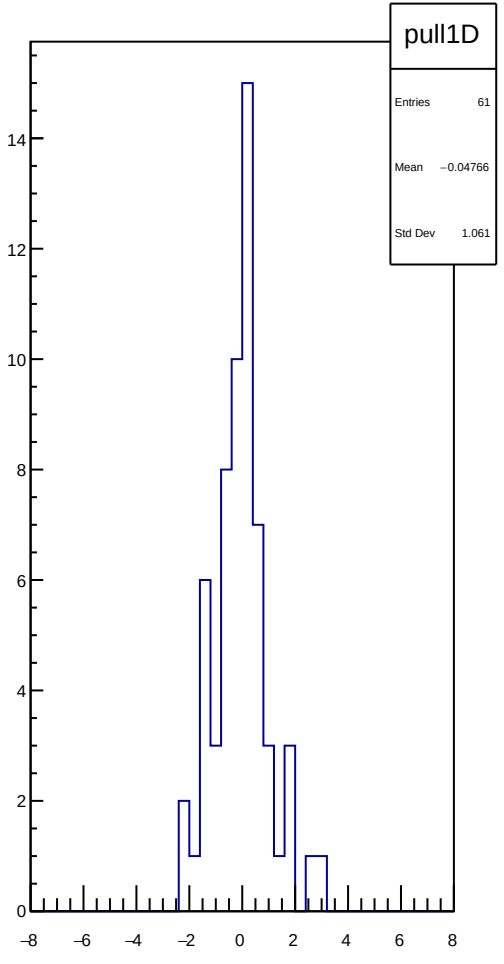

cor_asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.396e+04 / 62
p0 1551 ± 1.442
100
80
60
40
20

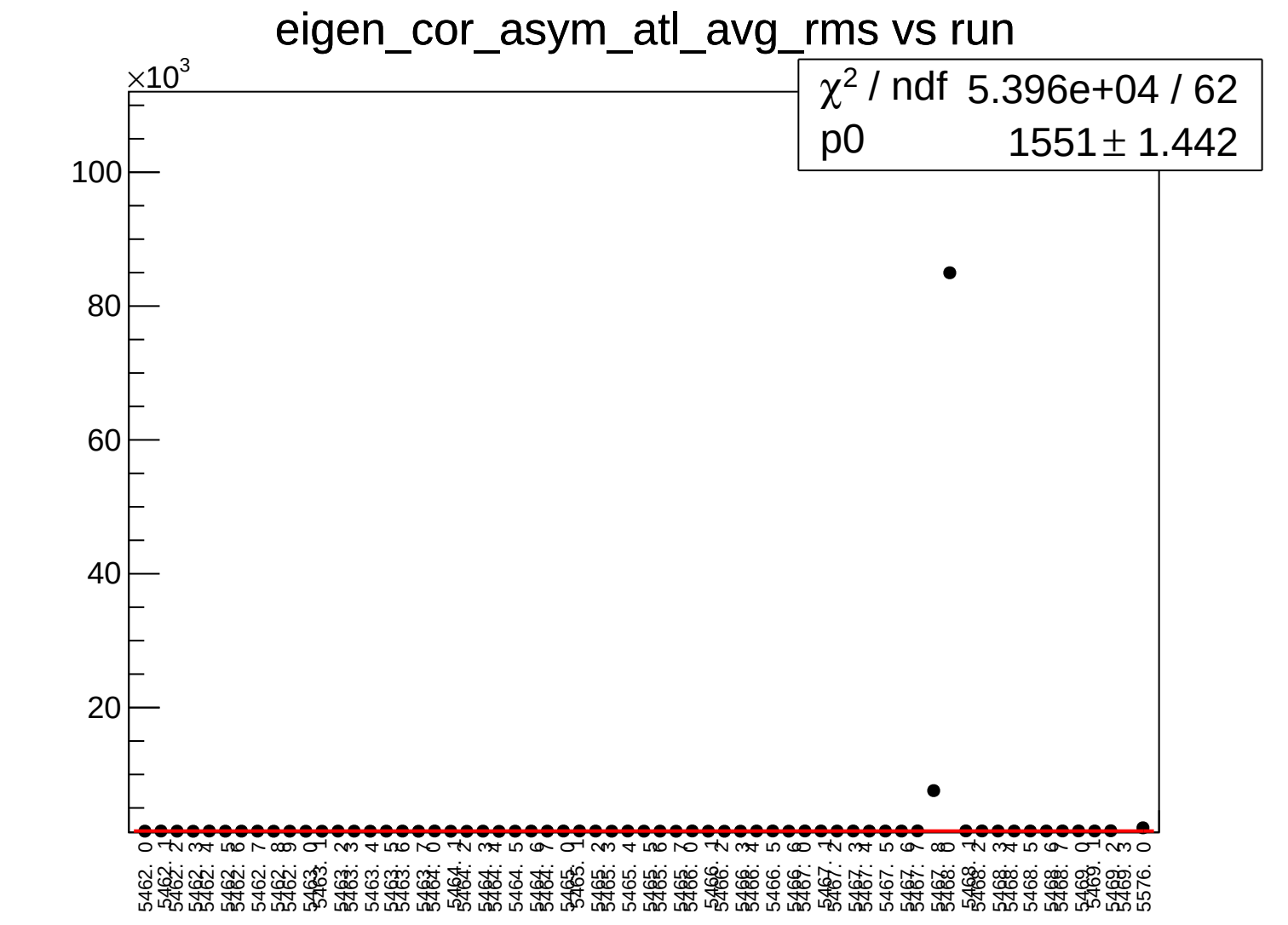

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 70.26 / 62
p0 320.6 ± 637.6
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 63
Mean −11.47
Std Dev 0
3
2
1
0
−1
−2

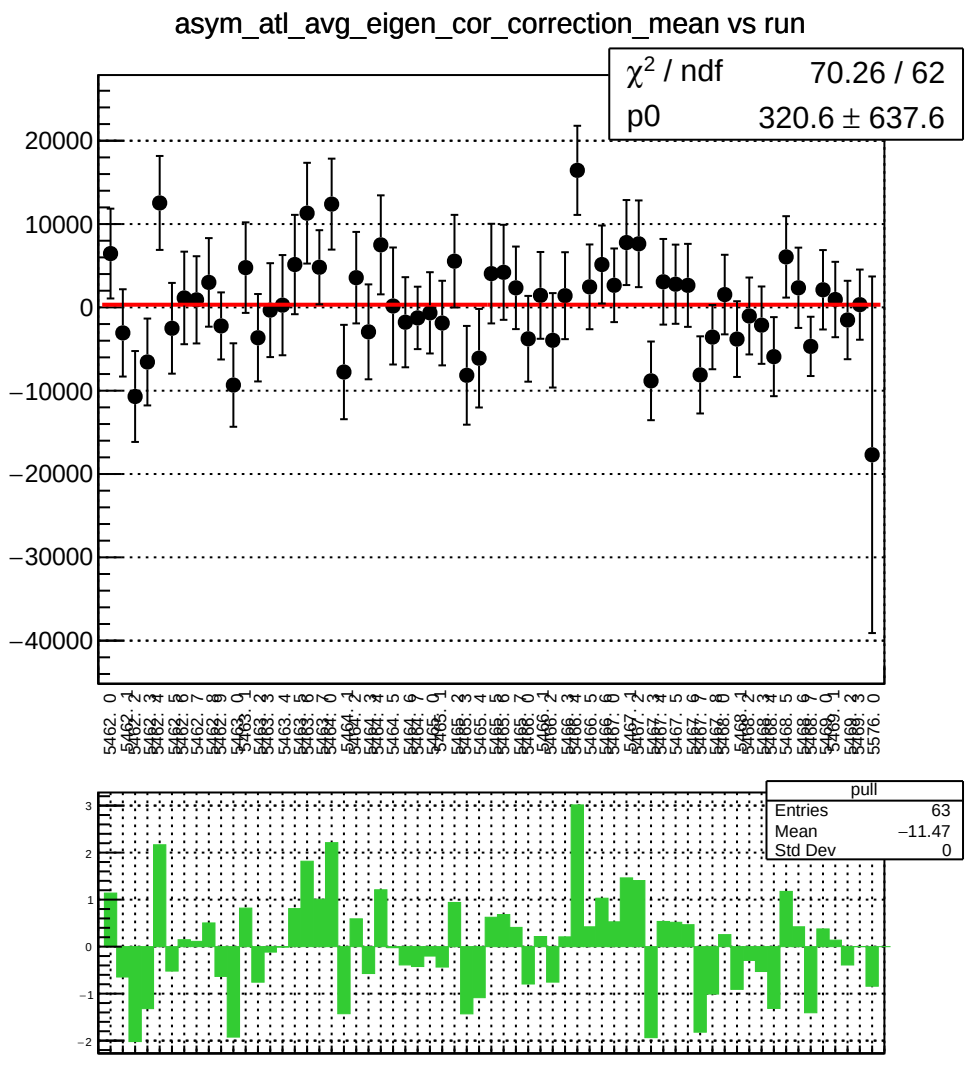

pull1D
Entries 63
Mean 0.02282
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

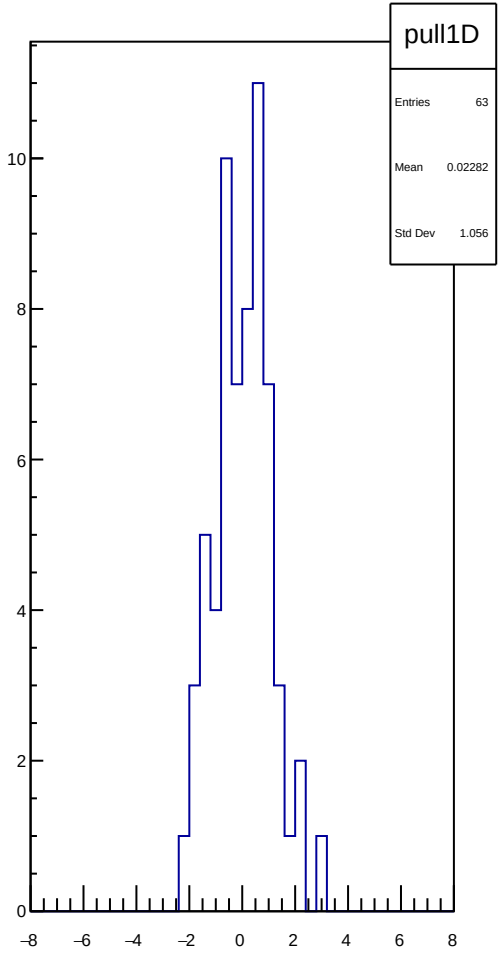

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2.574e+04 / 62
p0 490.8 ± 0.4508
2500
2000
1500
1000
500

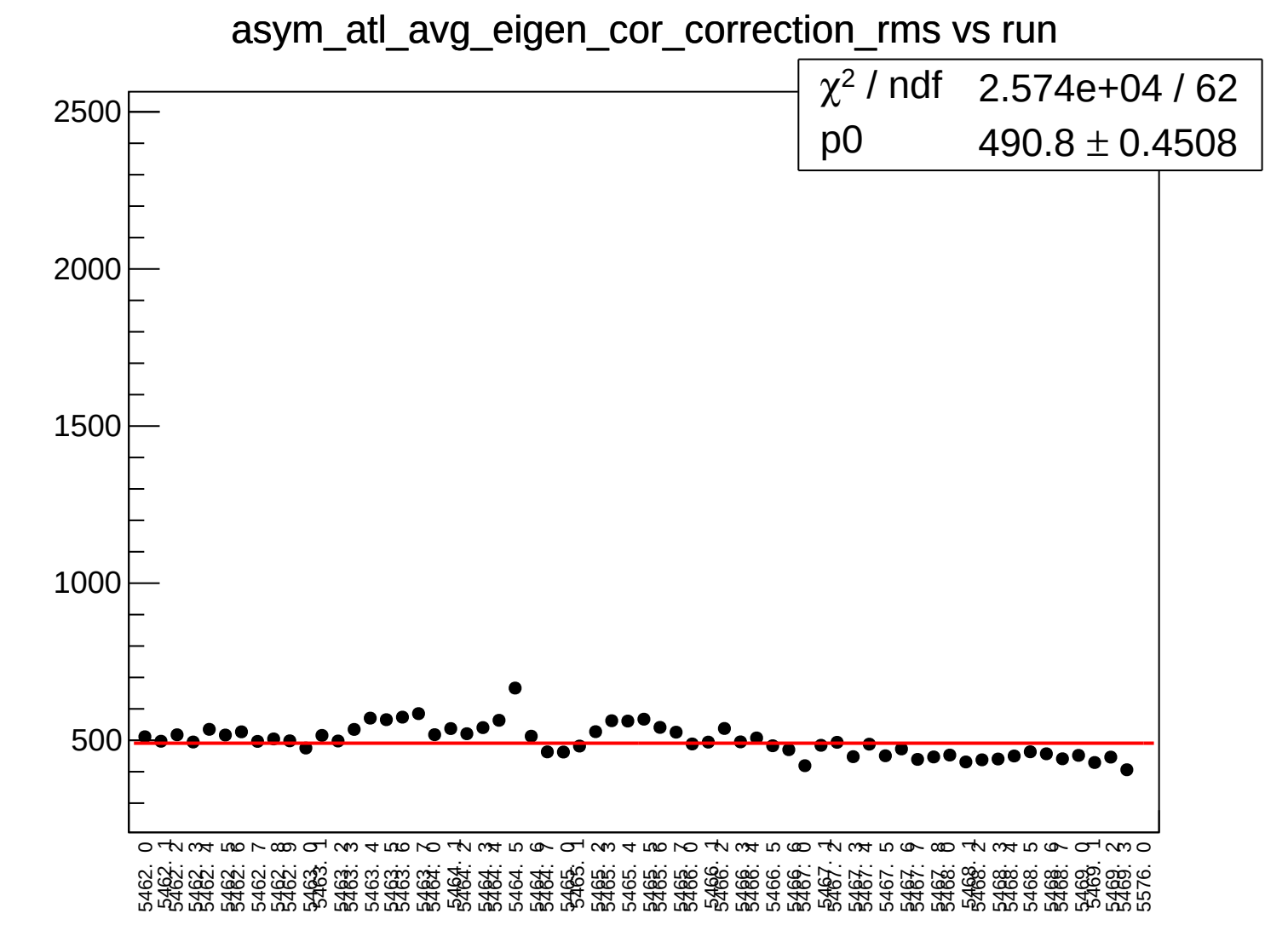

eigen_cor_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 68.74 / 60
p0 920.1 ± 2040
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 70.69
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 61
Mean −0.04766
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.396e+04 / 62
p0 1551 ± 1.442
100
80
60
40
20


asym_atl_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.26 / 62
p0 320.6 ± 637.6
pull
Entries 63
Mean −11.47
Std Dev 0


pull1D
Entries 63
Mean 0.02282
Std Dev 1.056


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.574e+04 / 62
p0 490.8 ± 0.4508
2500
2000
1500
1000
500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
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5464. 7
5464. 9
5465. 1
5465. 2
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5467. 1
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5467. 7
5467. 8
5468. 1
5468. 2
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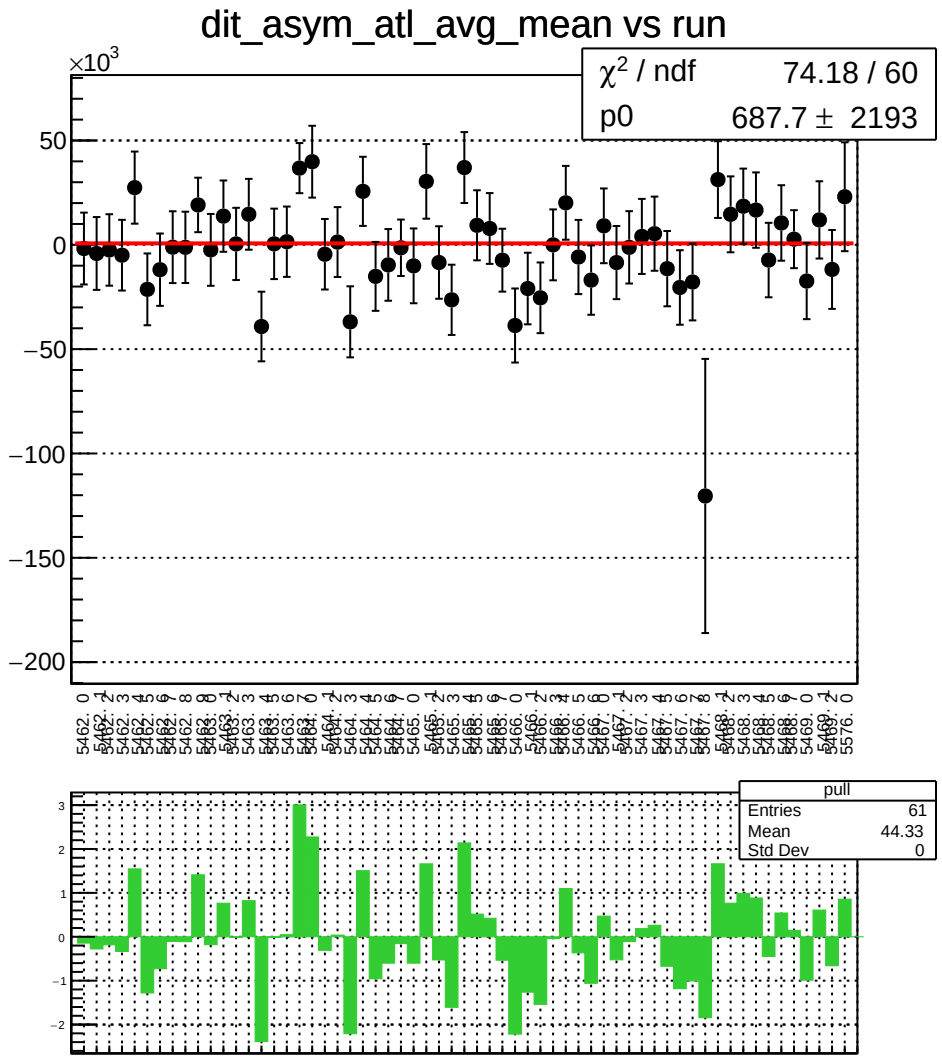
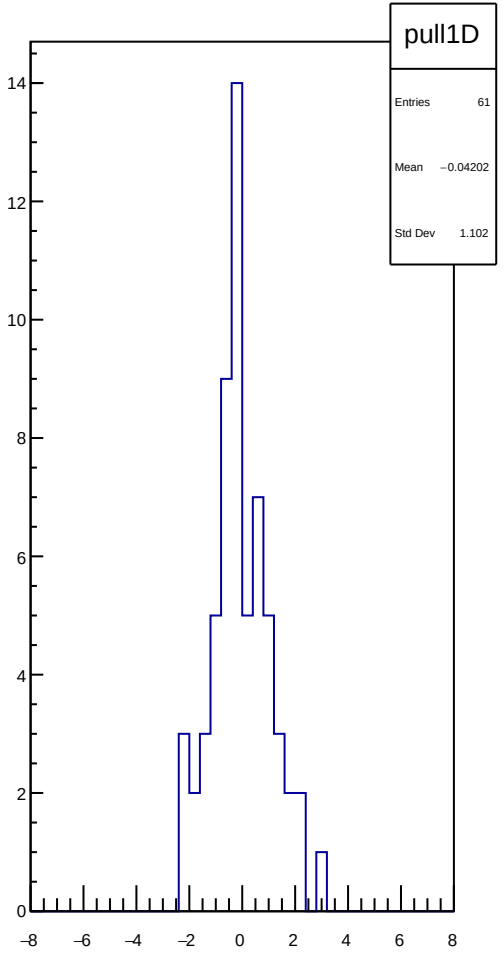
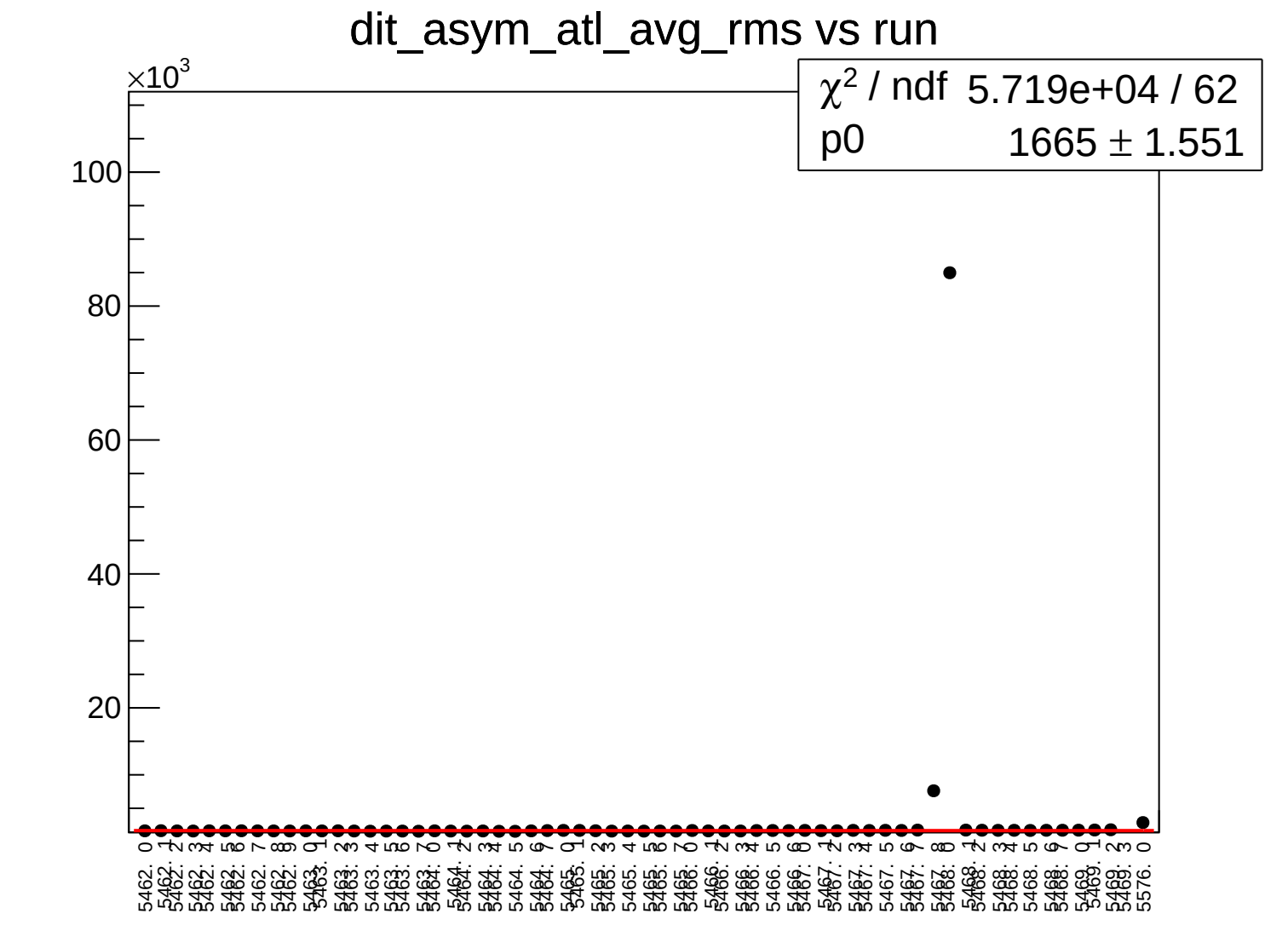
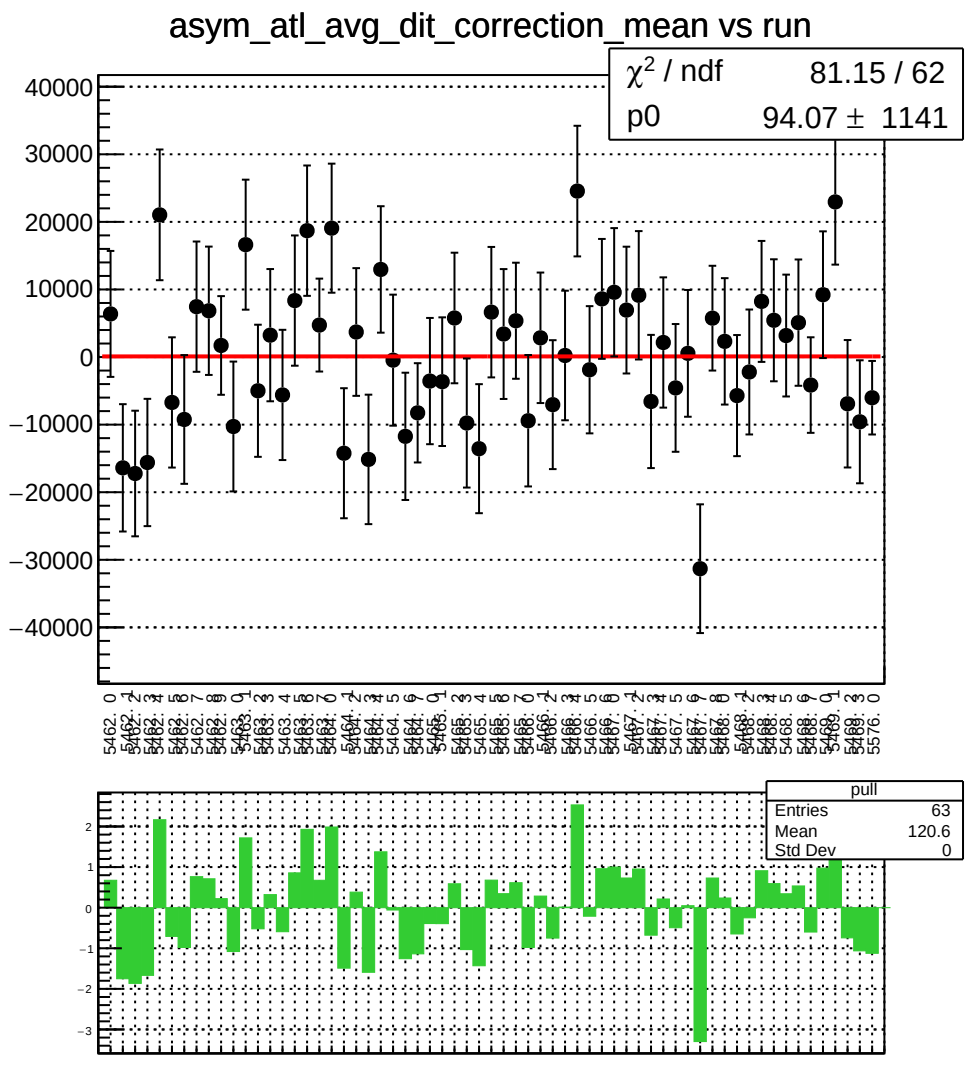
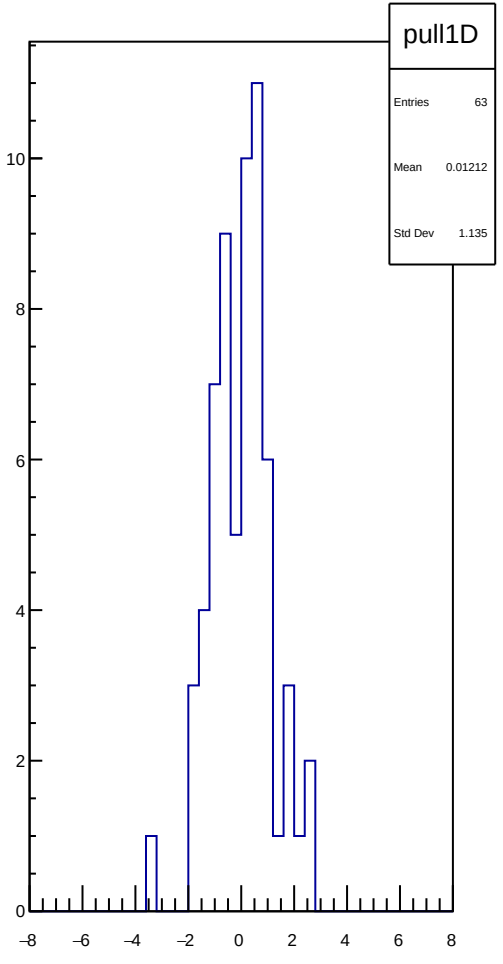
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

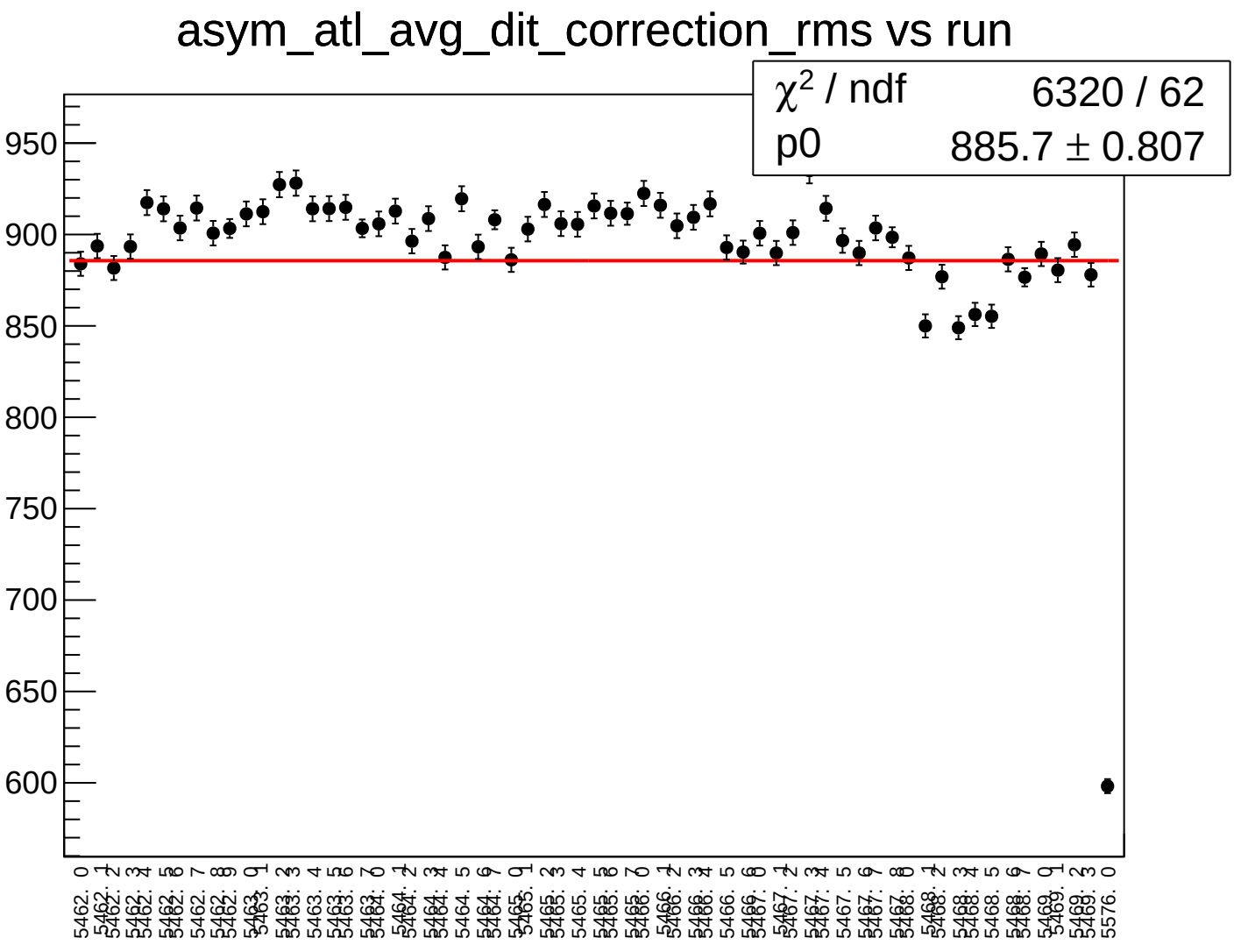

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 74.18 / 60
p0 687.7 ± 2193
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 44.33
Std Dev 0
3
2
1
0
−1
−2

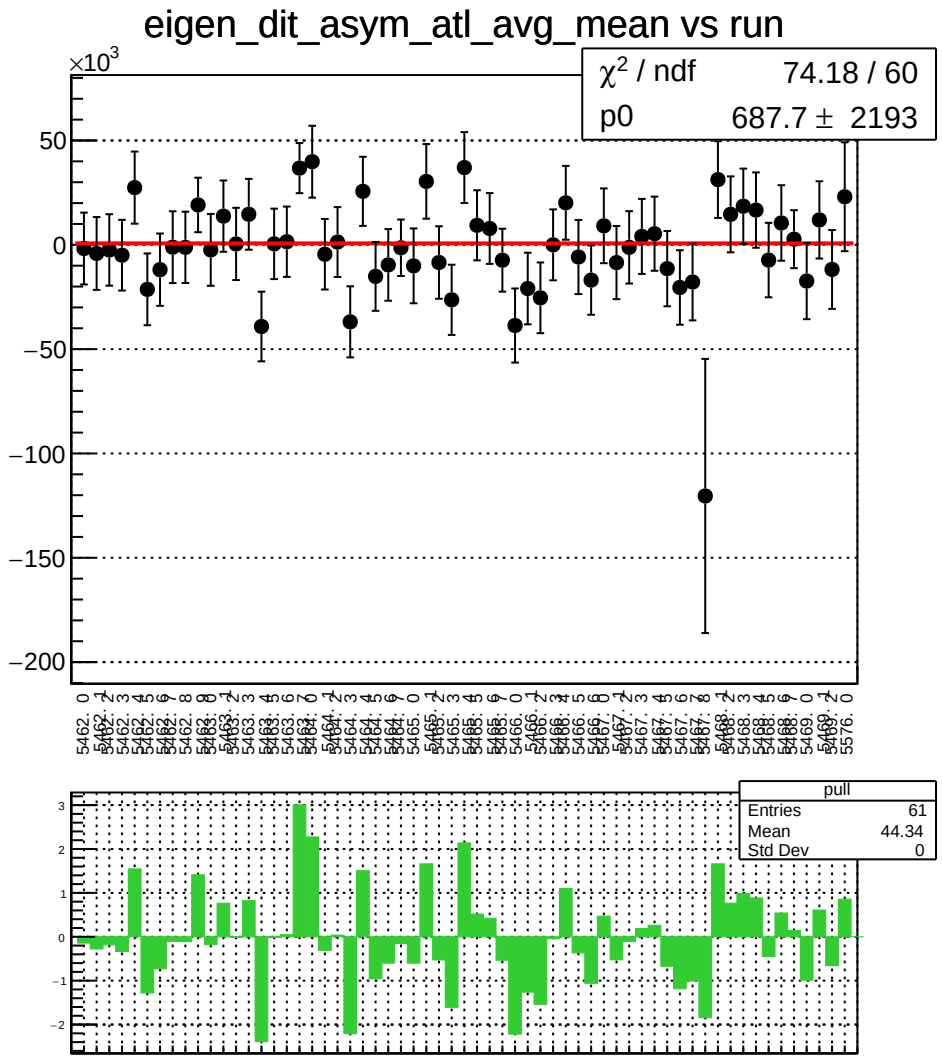

pull1D
Entries 61
Mean −0.04202
Std Dev 1.102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

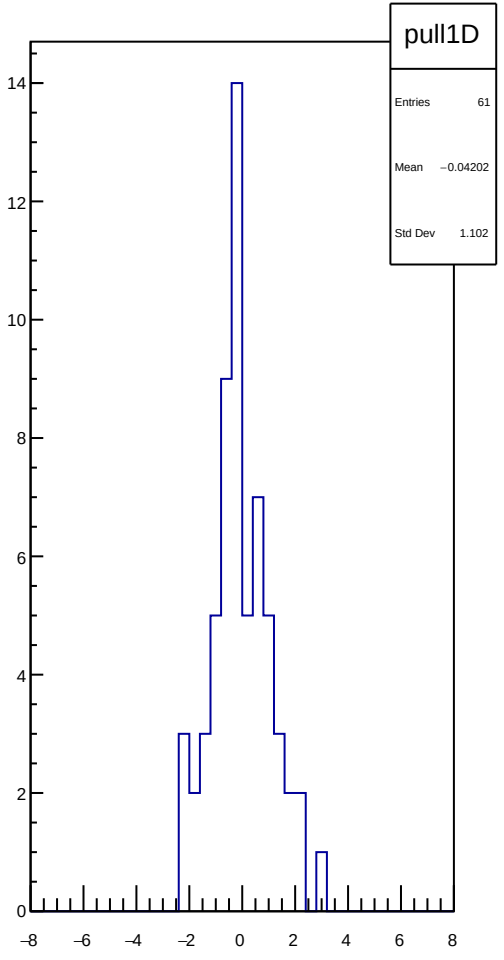

dit_asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.719e+04 / 62
p0 1665 ± 1.551
100
80
60
40
20

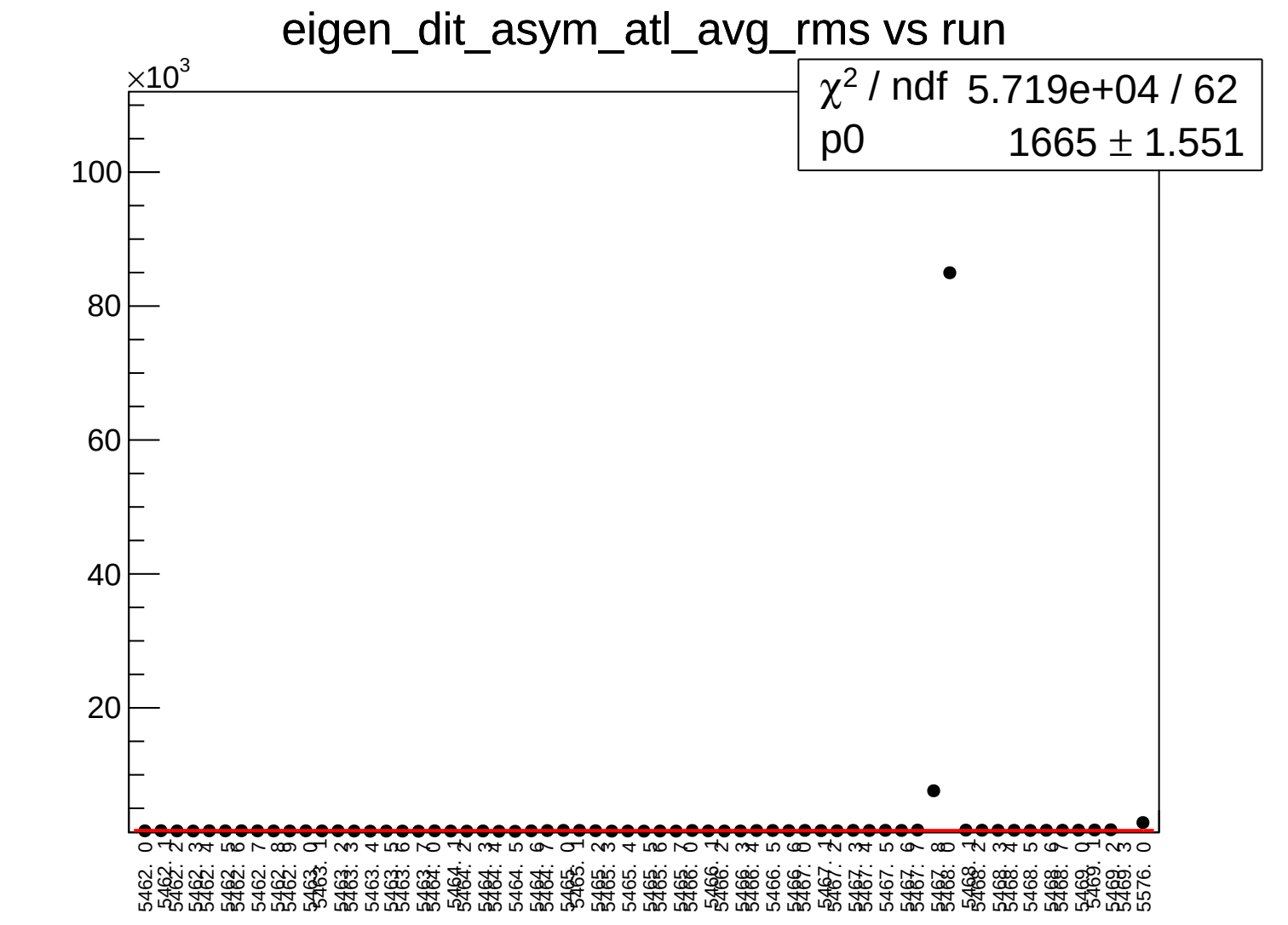

asym_atl_avg_dit_correction_mean vs run
χ² / ndf 81.15 / 62
p0 94.07 ± 1141
pull
Entries 63
Mean 120.6
Std Dev 0

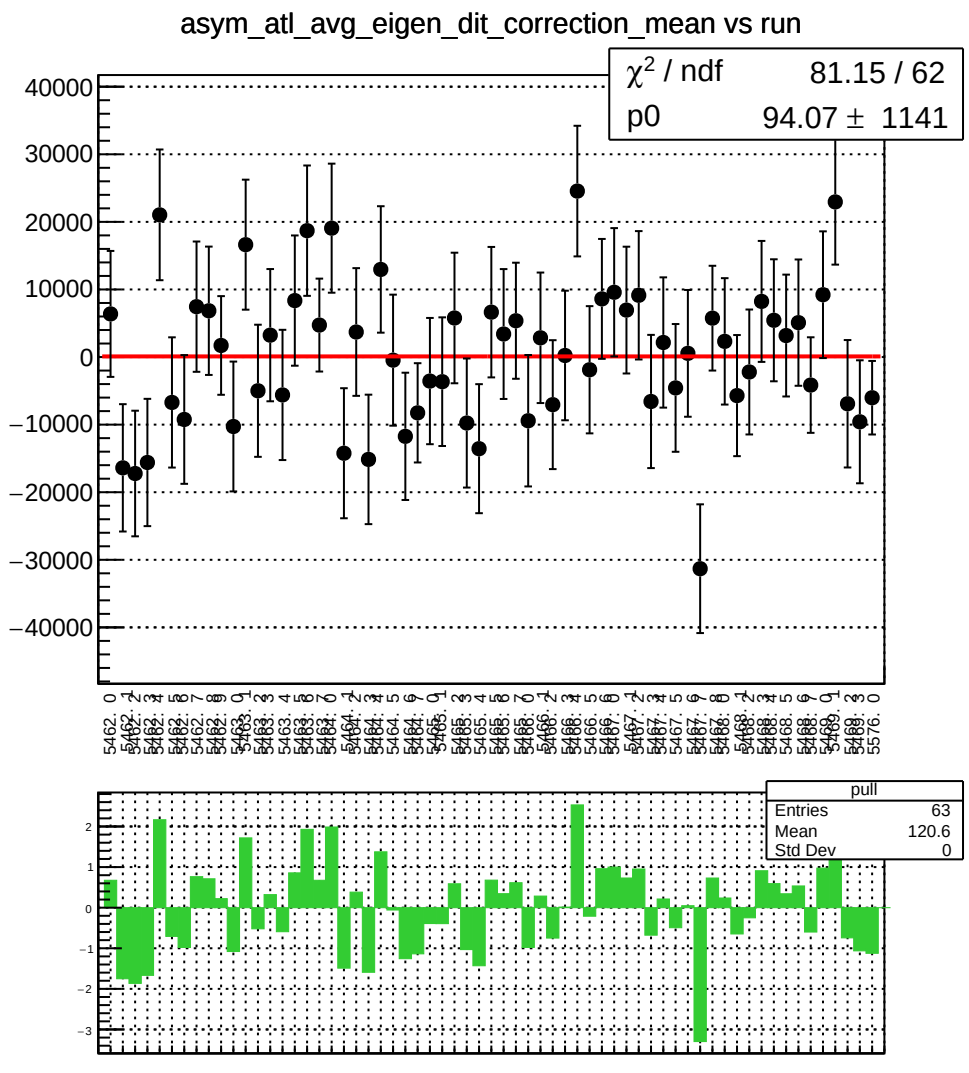

pull1D
Entries 63
Mean 0.01212
Std Dev 1.135

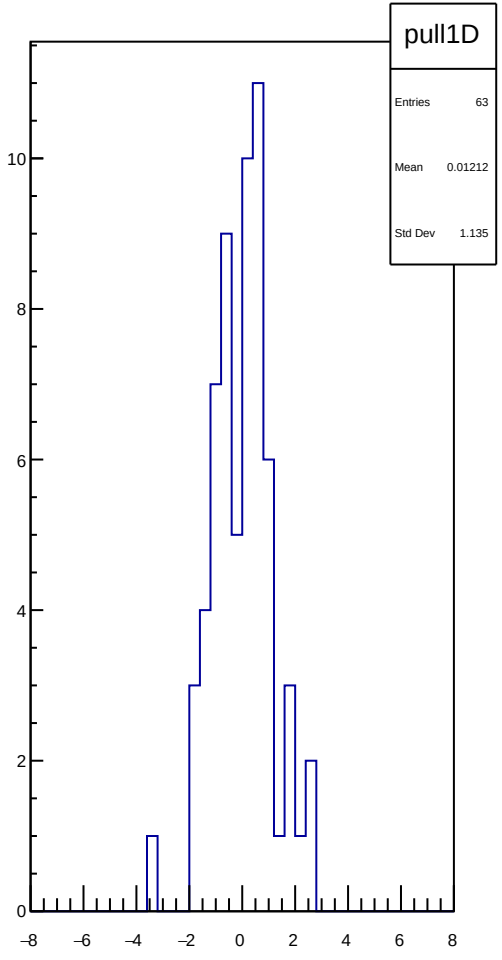

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 6320 / 62
p0 885.7 ± 0.807
950
900
850
800
750
700
650
600

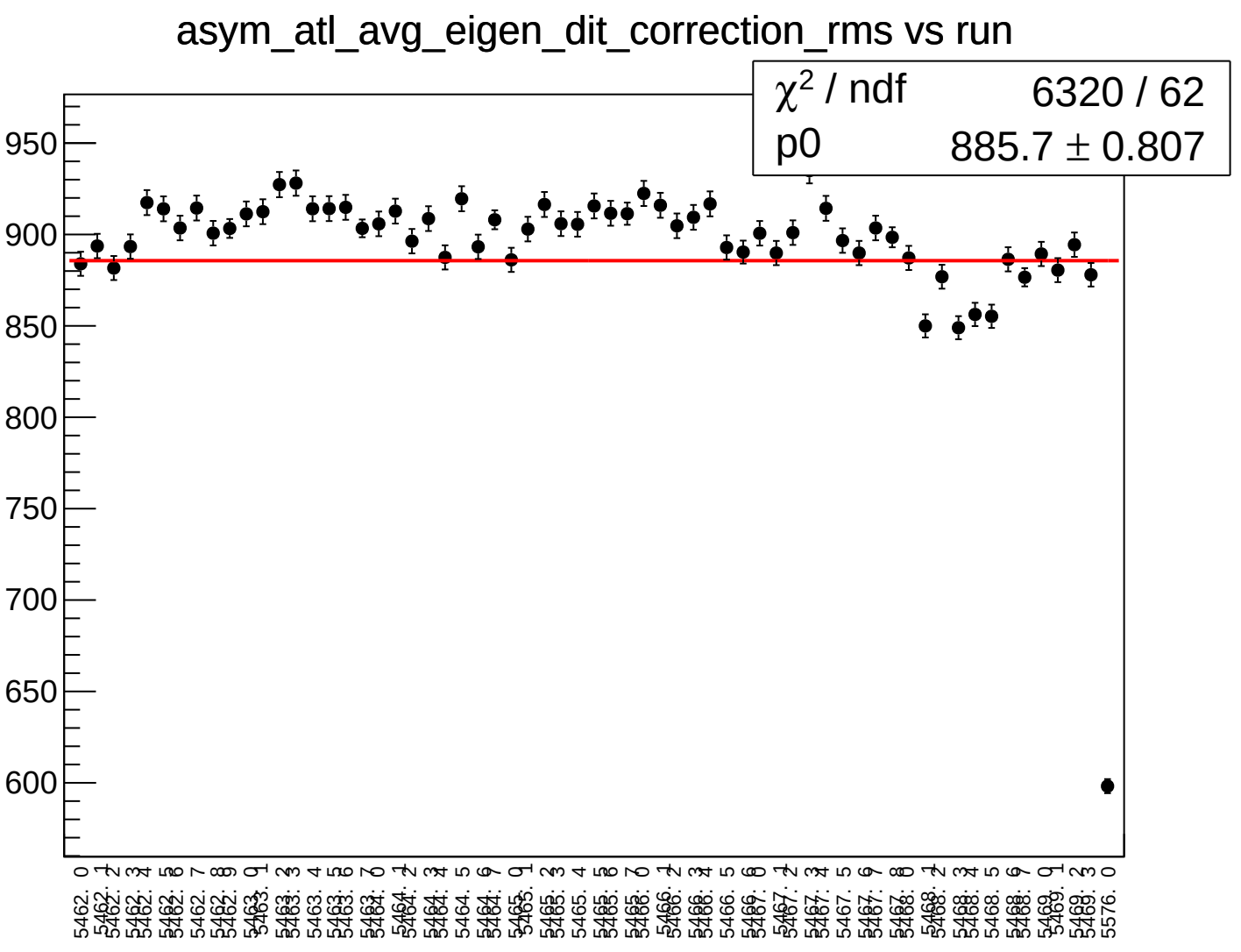

eigen_dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 74.18 / 60
p0 687.7 ± 2193
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 44.34
Std Dev 0
3
2
1
0
−1
−2

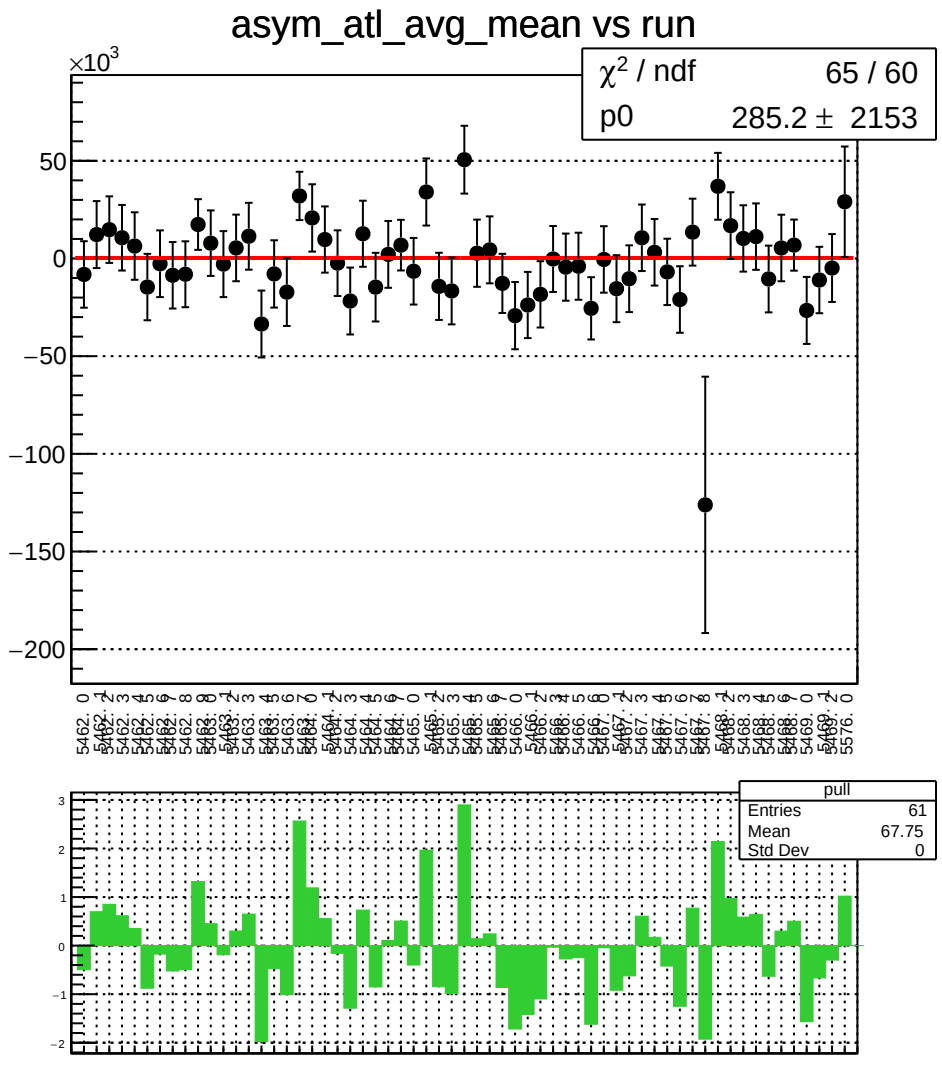

pull1D
Entries 61
Mean −0.04202
Std Dev 1.102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

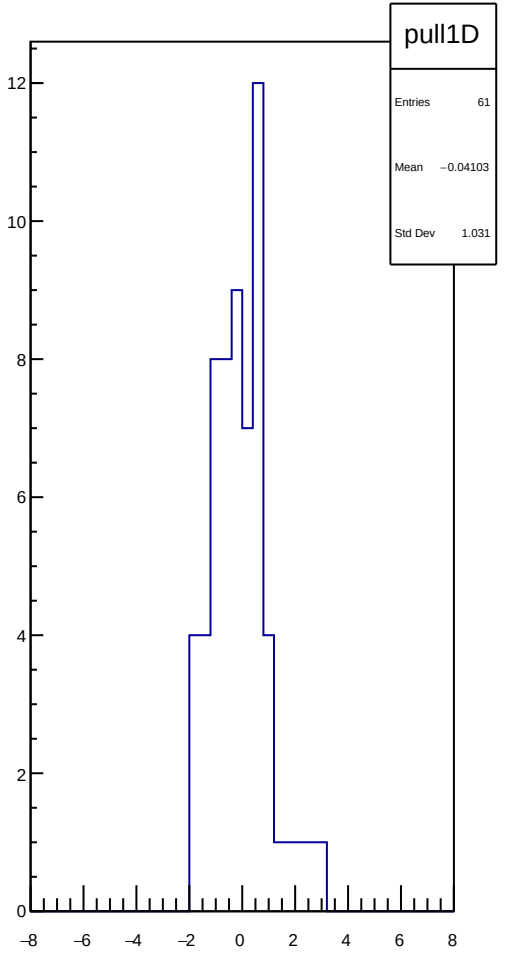

eigen_dit_asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.719e+04 / 62
p0 1665 ± 1.551
100
80
60
40
20

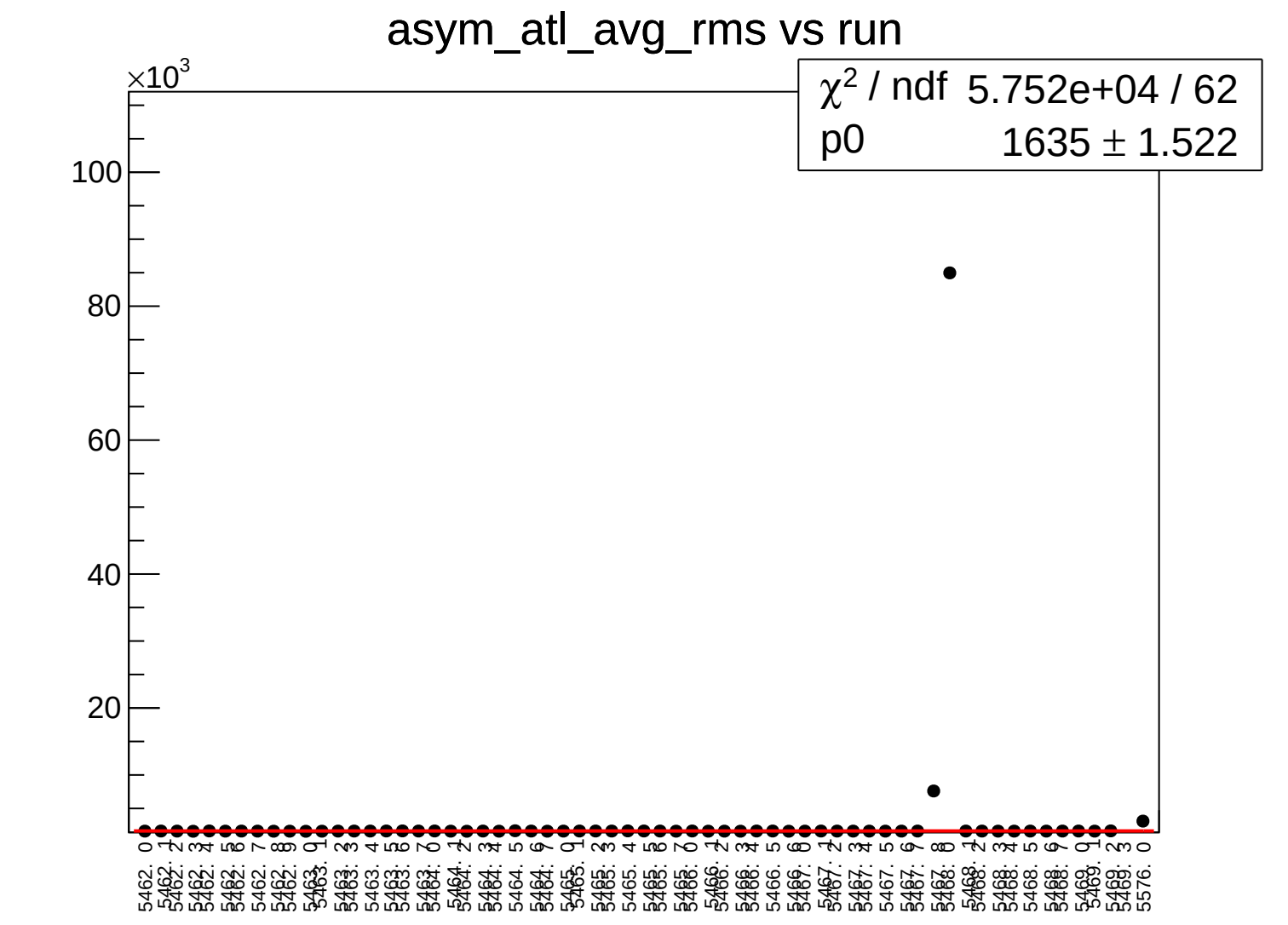

asym_atl_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.15 / 62
p0 94.07 ± 1141
pull
Entries 63
Mean 120.6
Std Dev 0

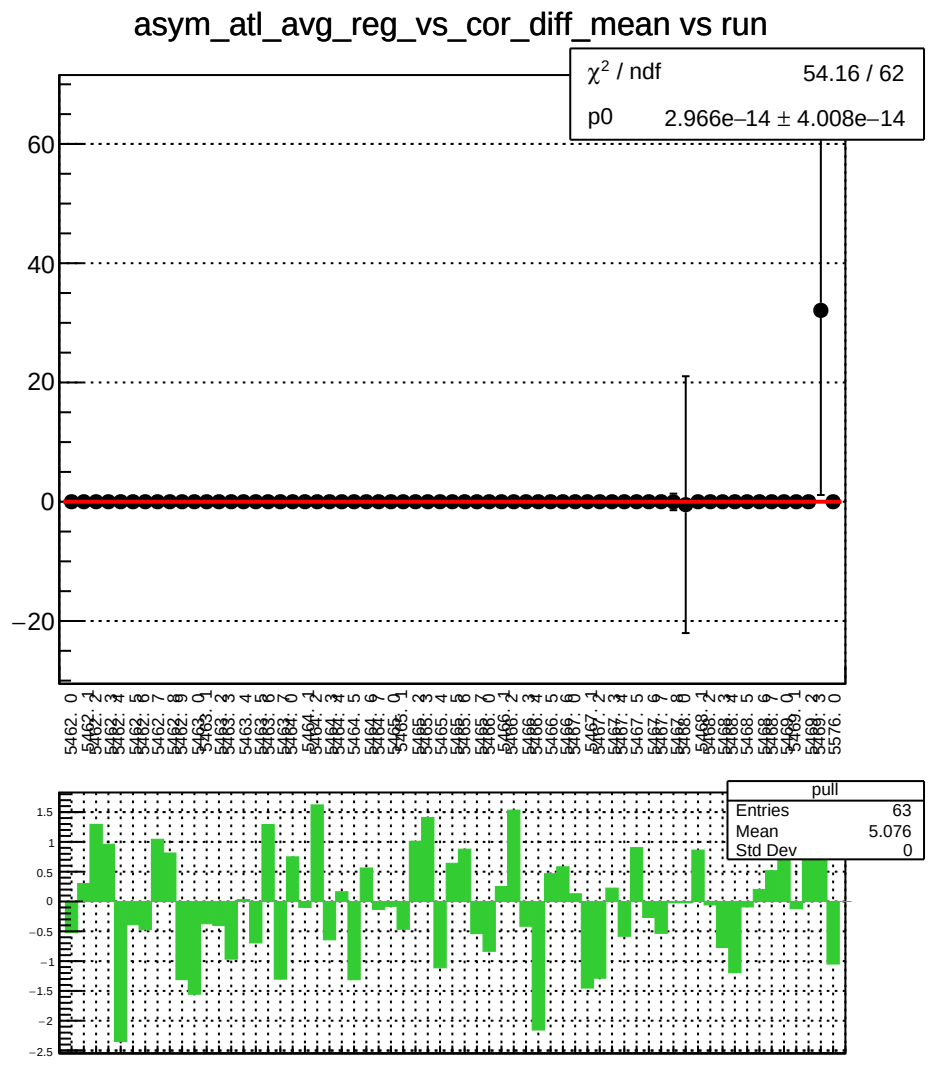

pull1D
Entries 63
Mean 0.01212
Std Dev 1.135

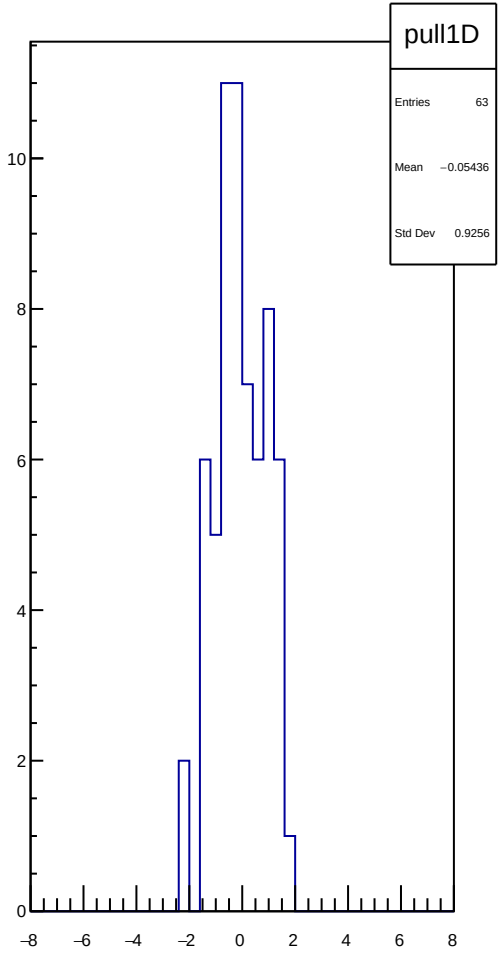

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 6320 / 62
p0 885.7 ± 0.807
950
900
850
800
750
700
650
600

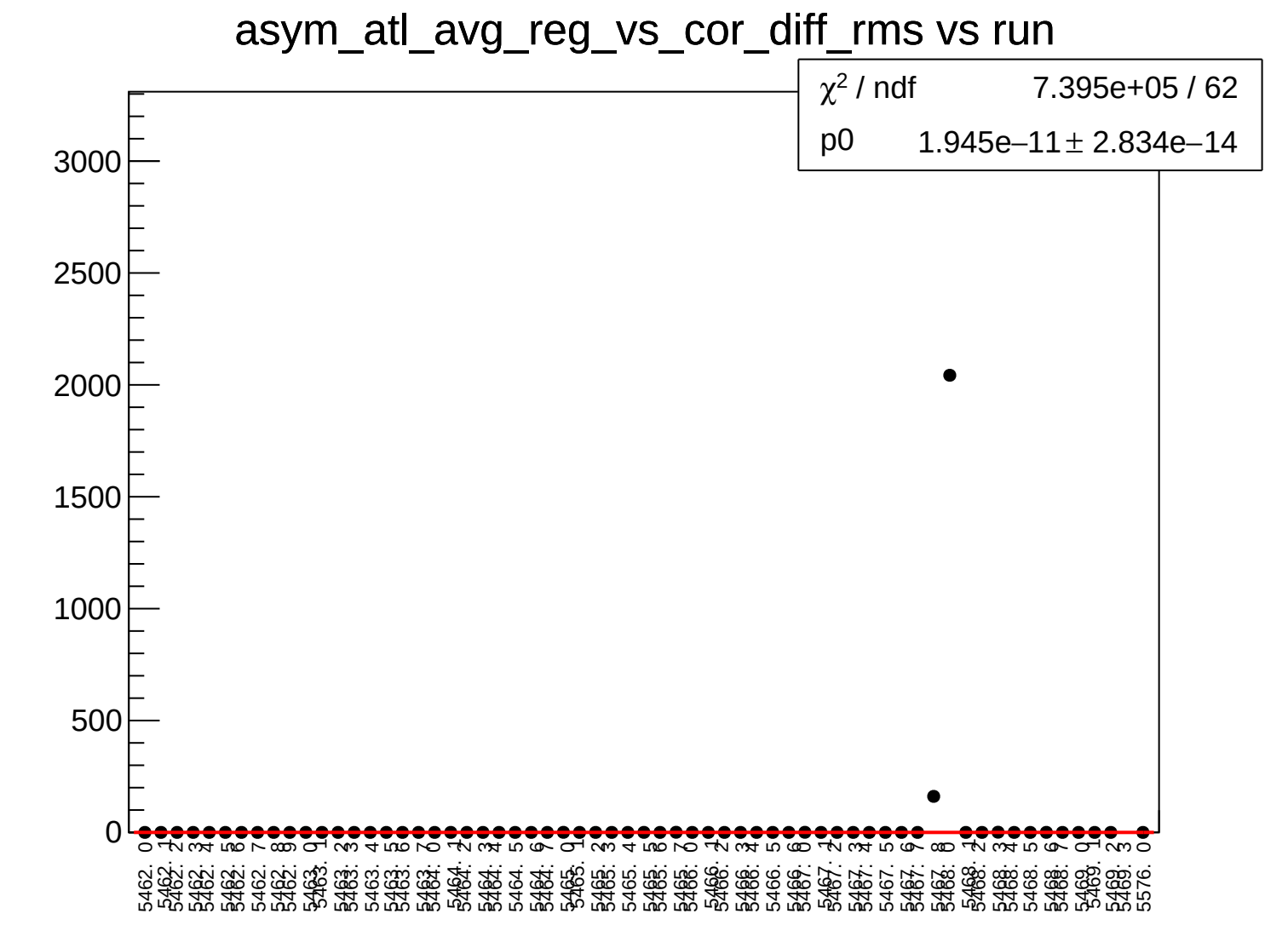

asym_atl_avg_mean vs run
×10^3
χ² / ndf 65 / 60
p0 285.2 ± 2153
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 67.75
Std Dev 0
3
2
1
0
−1
−2

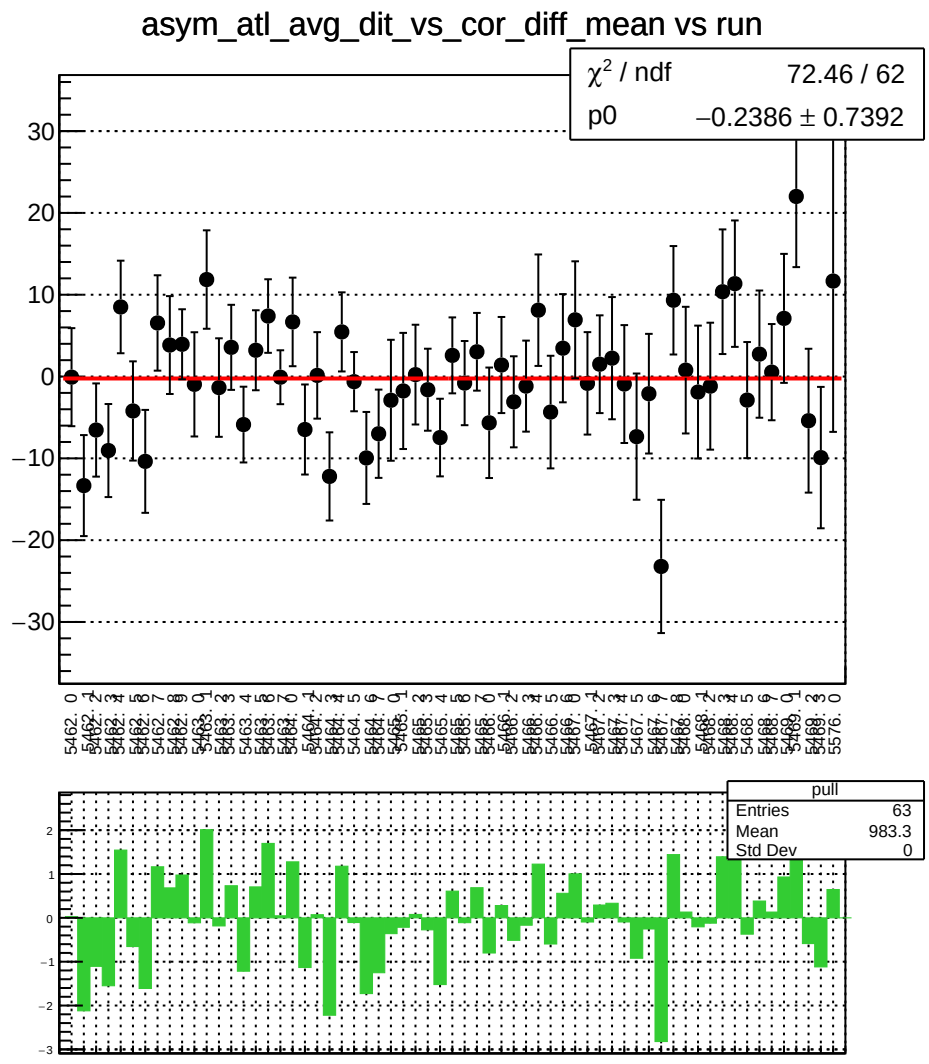

pull1D
Entries 61
Mean −0.04103
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

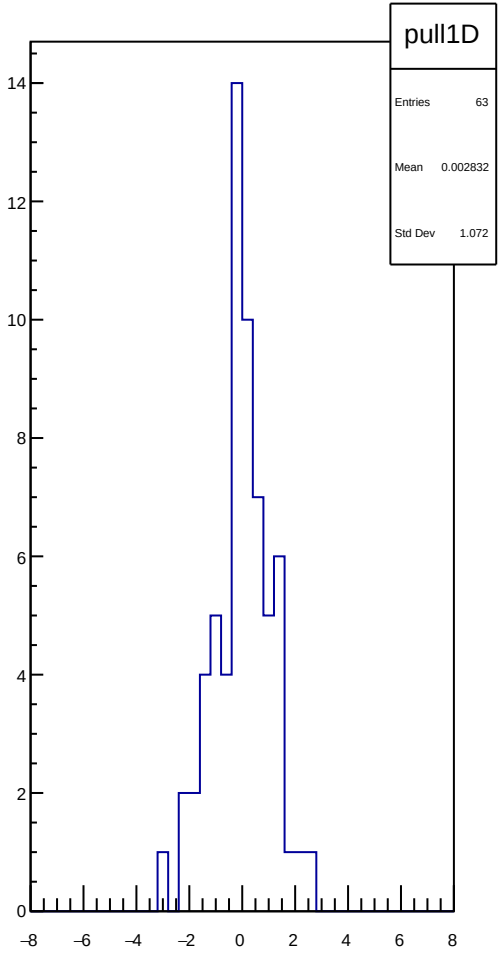

asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.752e+04 / 62
p0 1635 ± 1.522
100
80
60
40
20

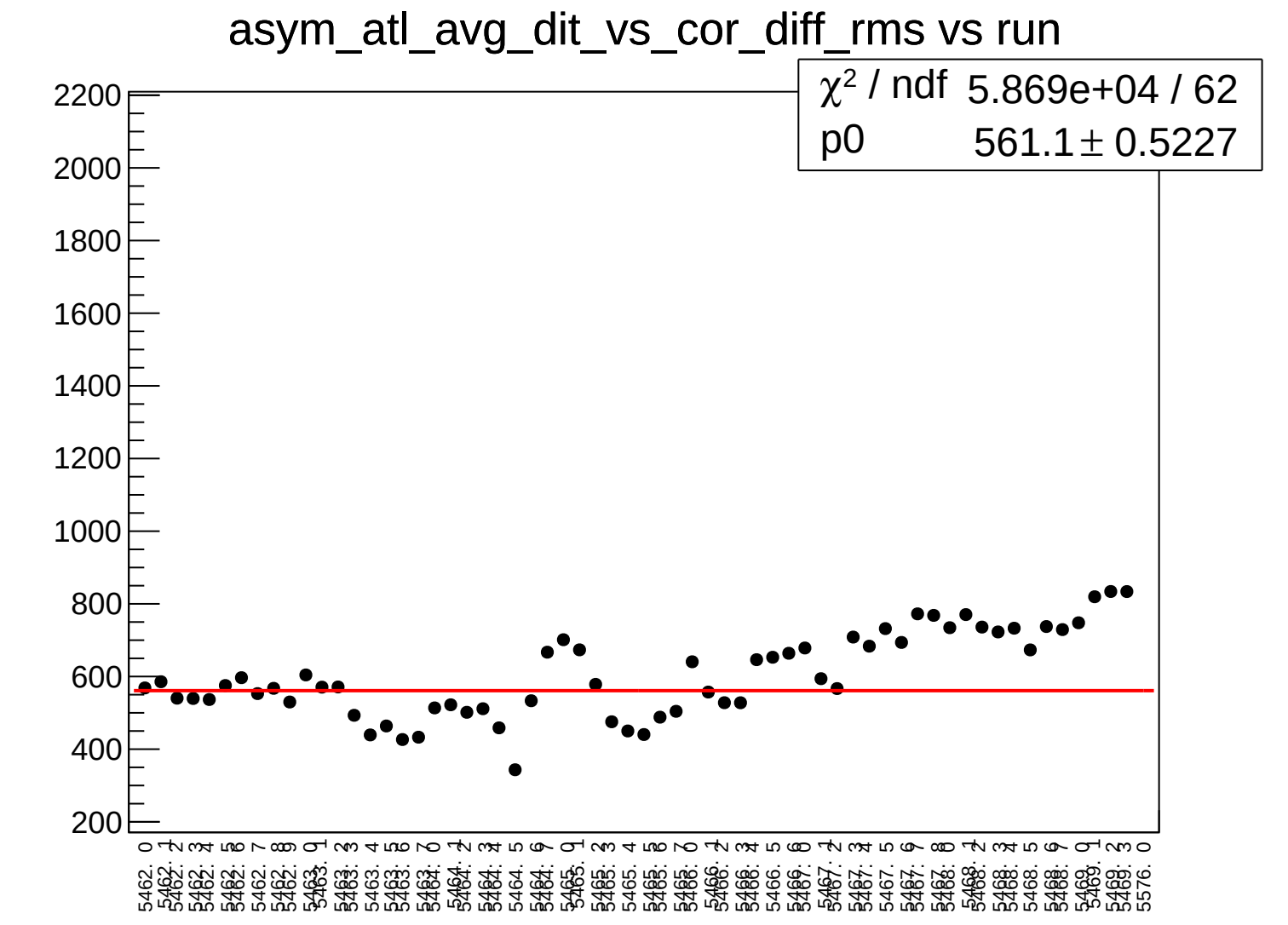

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.16 / 62
p0 2.966e−14 ± 4.008e−14
pull
Entries 63
Mean 5.076
Std Dev 0

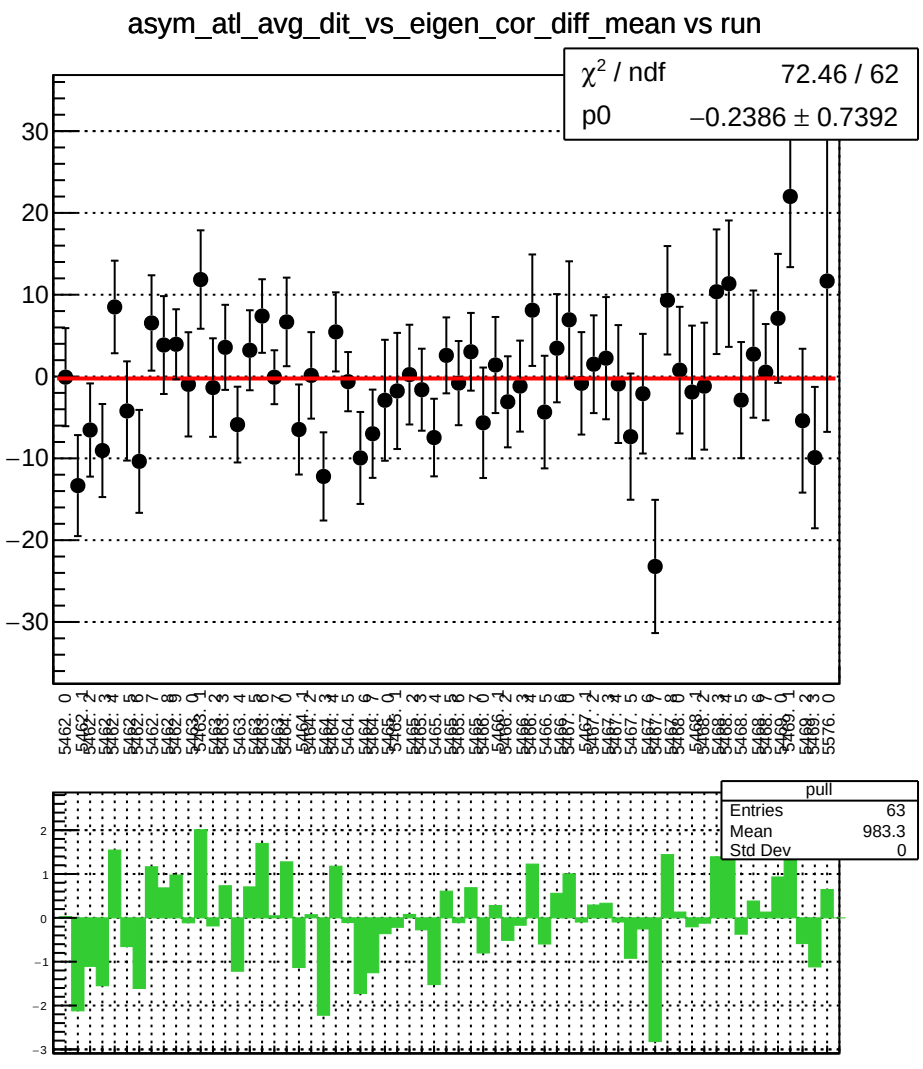

pull1D
Entries 63
Mean −0.05436
Std Dev 0.9256

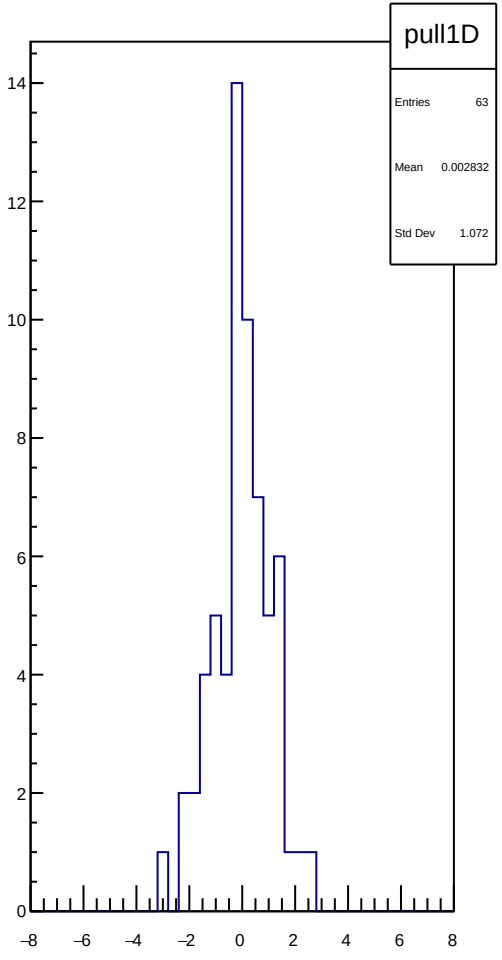

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.395e+05 / 62
p0 1.945e−11 ± 2.834e−14
3000
2500
2000
1500
1000
500
0

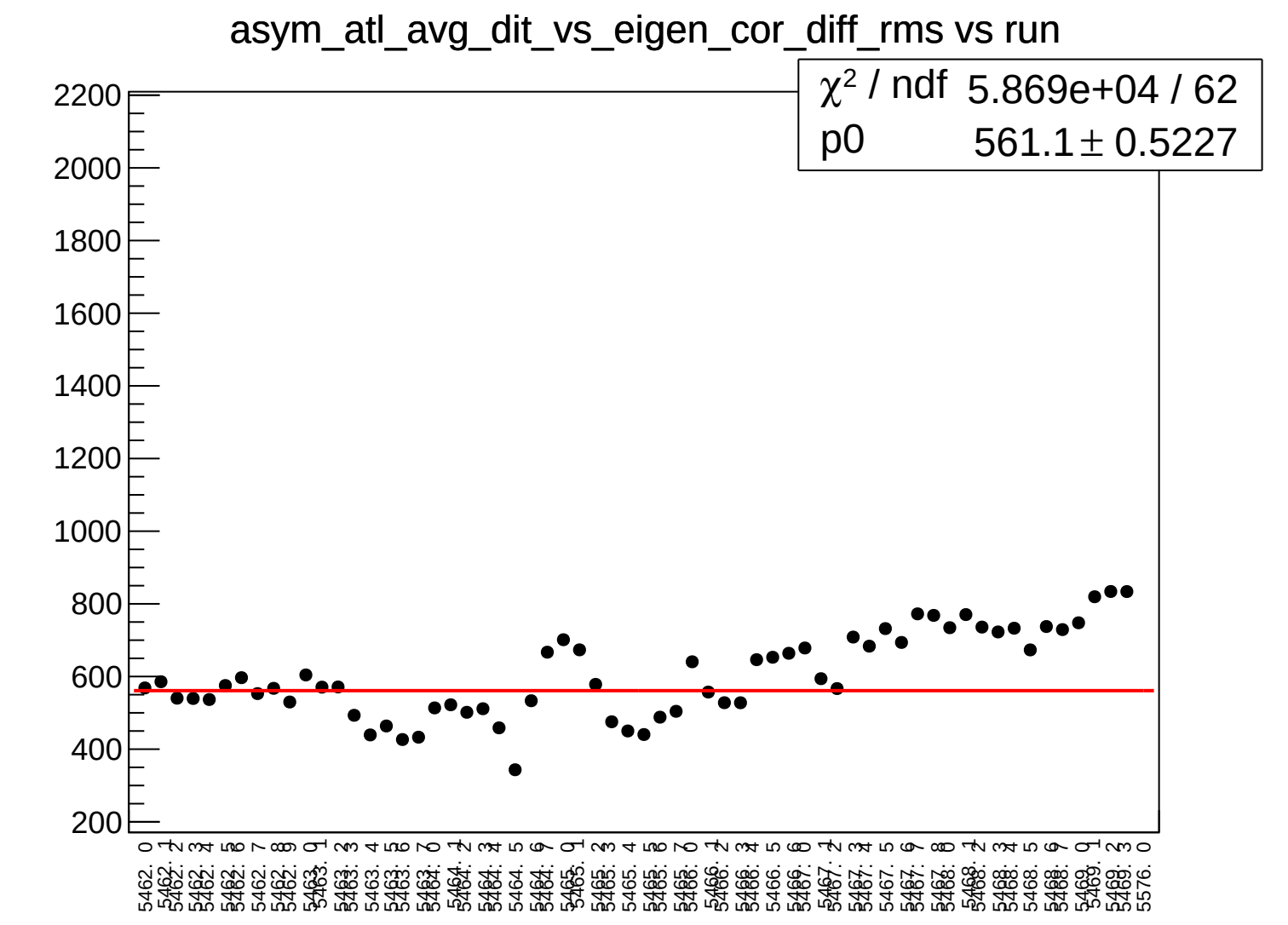

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.46 / 62
p0 −0.2386 ± 0.7392
pull
Entries 63
Mean 983.3
Std Dev 0

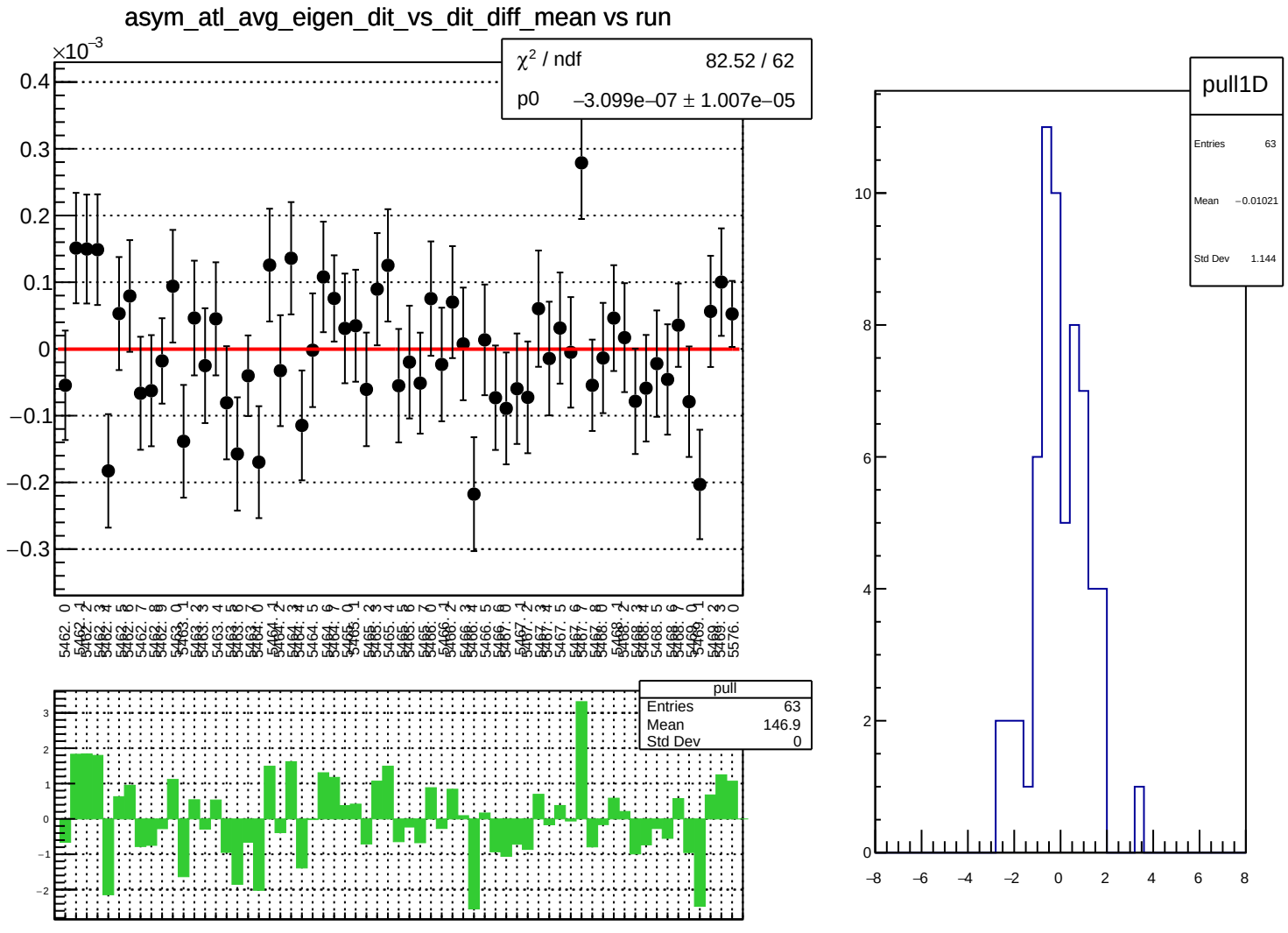

pull1D
Entries 63
Mean 0.002832
Std Dev 1.072

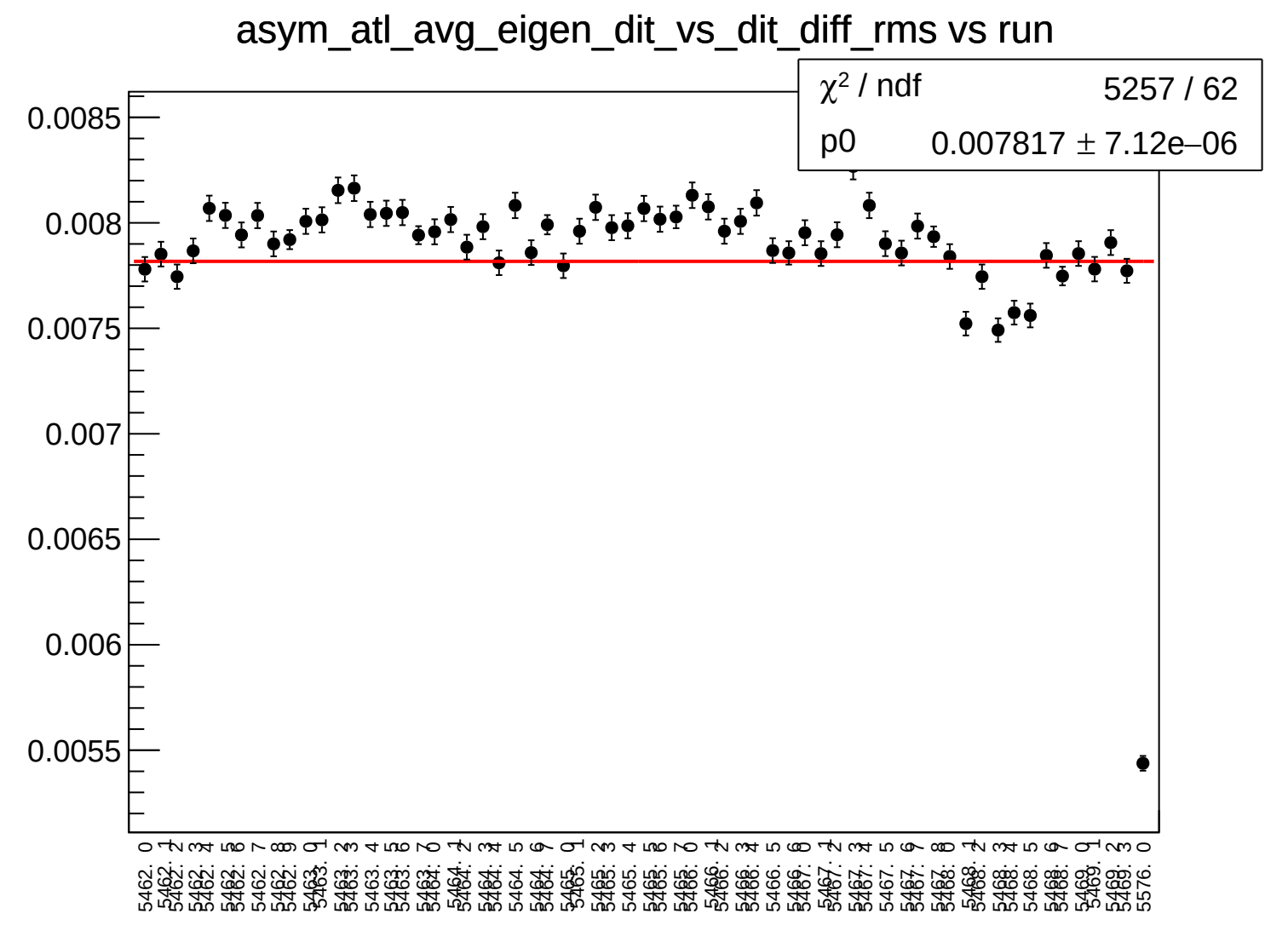

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 62
p0 561.1 ± 0.5227
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

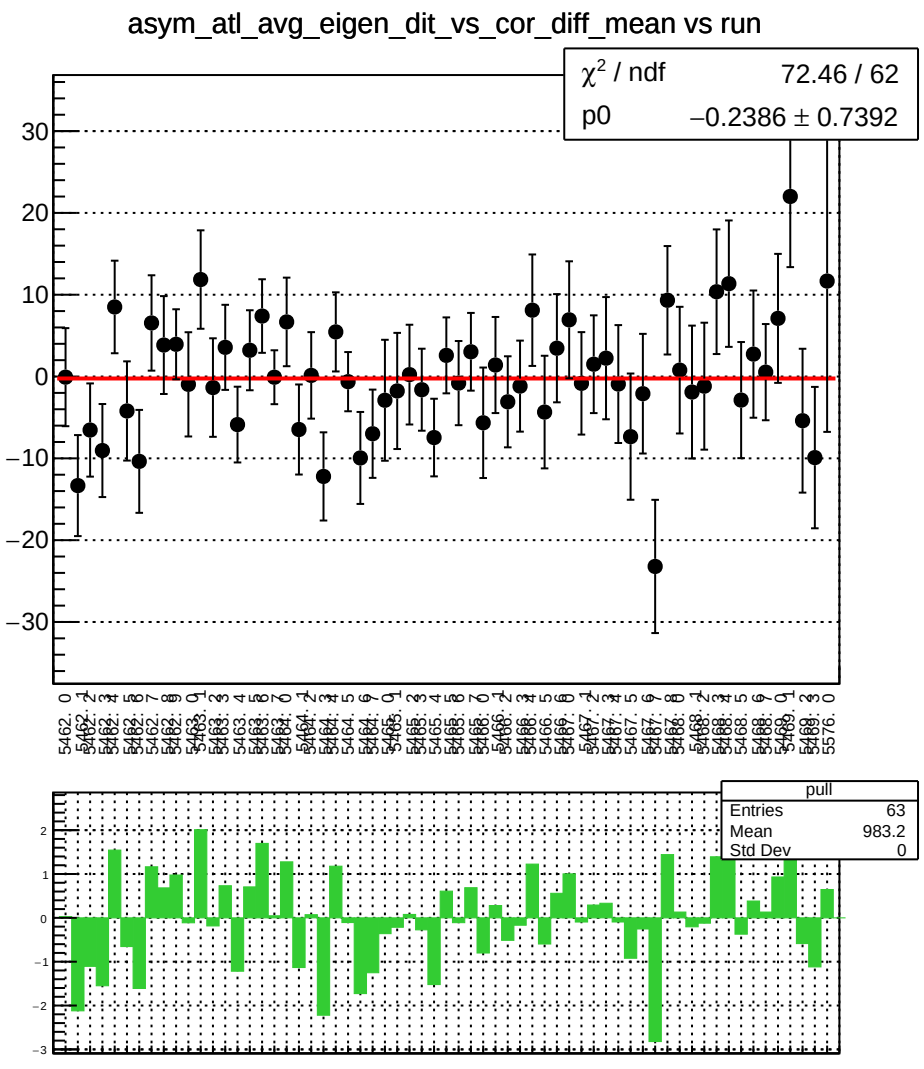

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.46 / 62
p0 −0.2386 ± 0.7392
pull
Entries 63
Mean 983.3
Std Dev 0

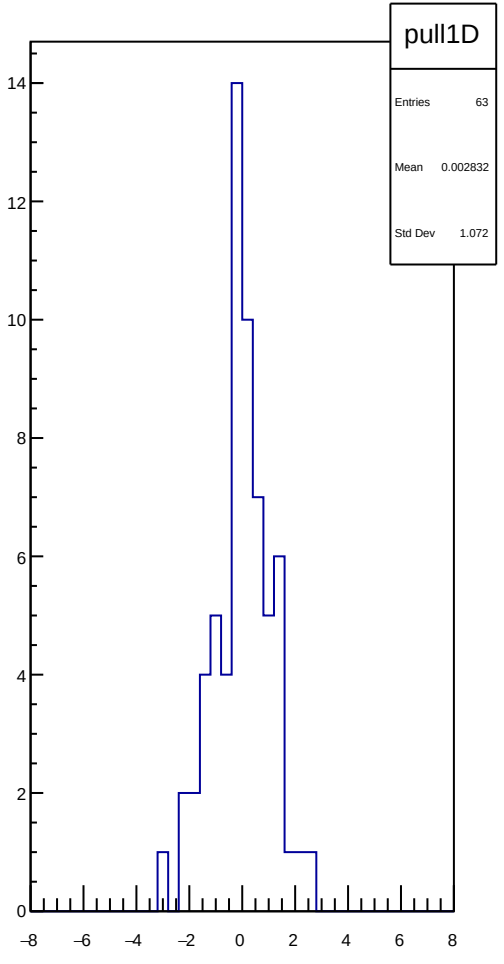

pull1D
Entries 63
Mean 0.002832
Std Dev 1.072

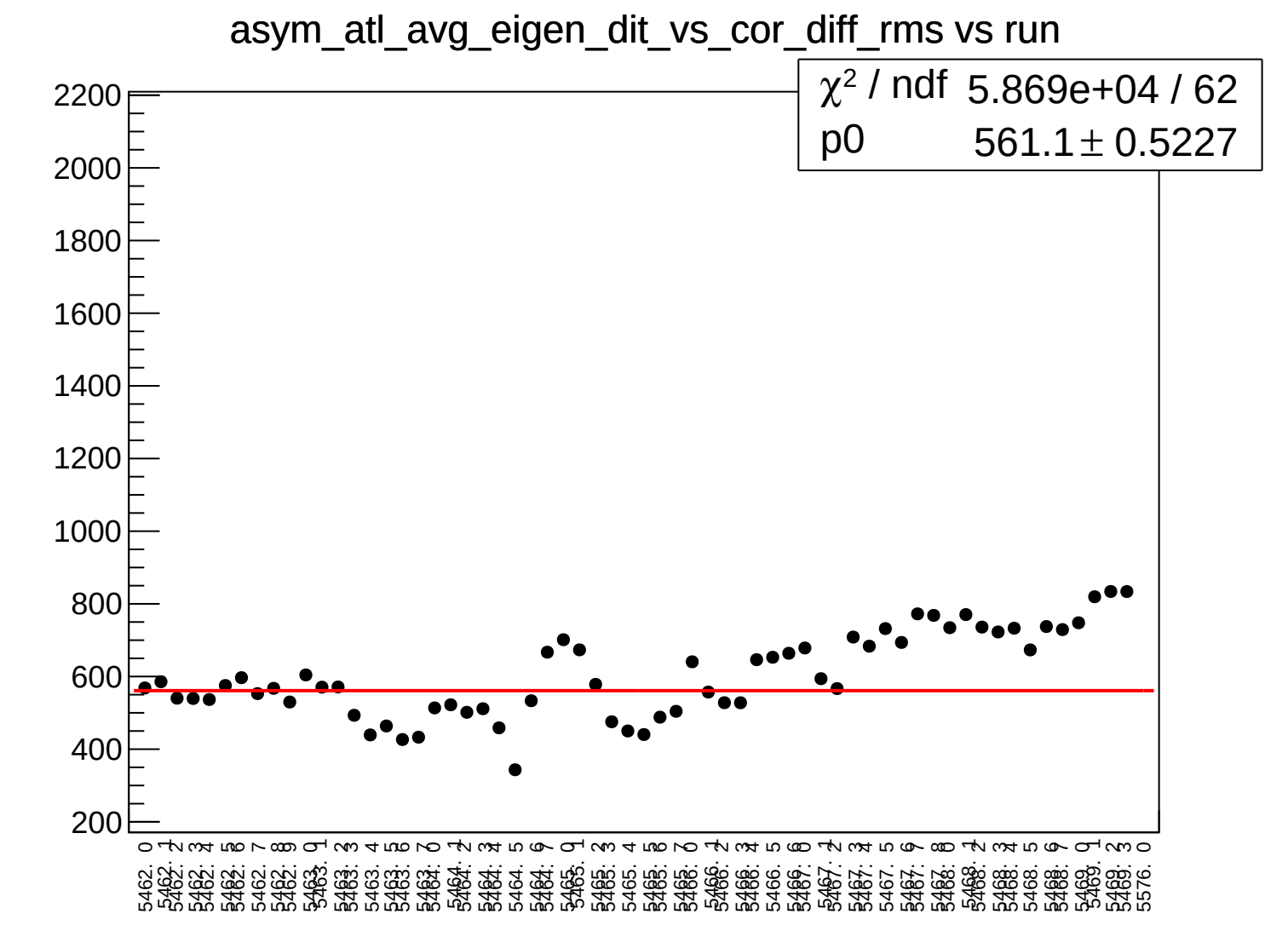

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 62
p0 561.1 ± 0.5227
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

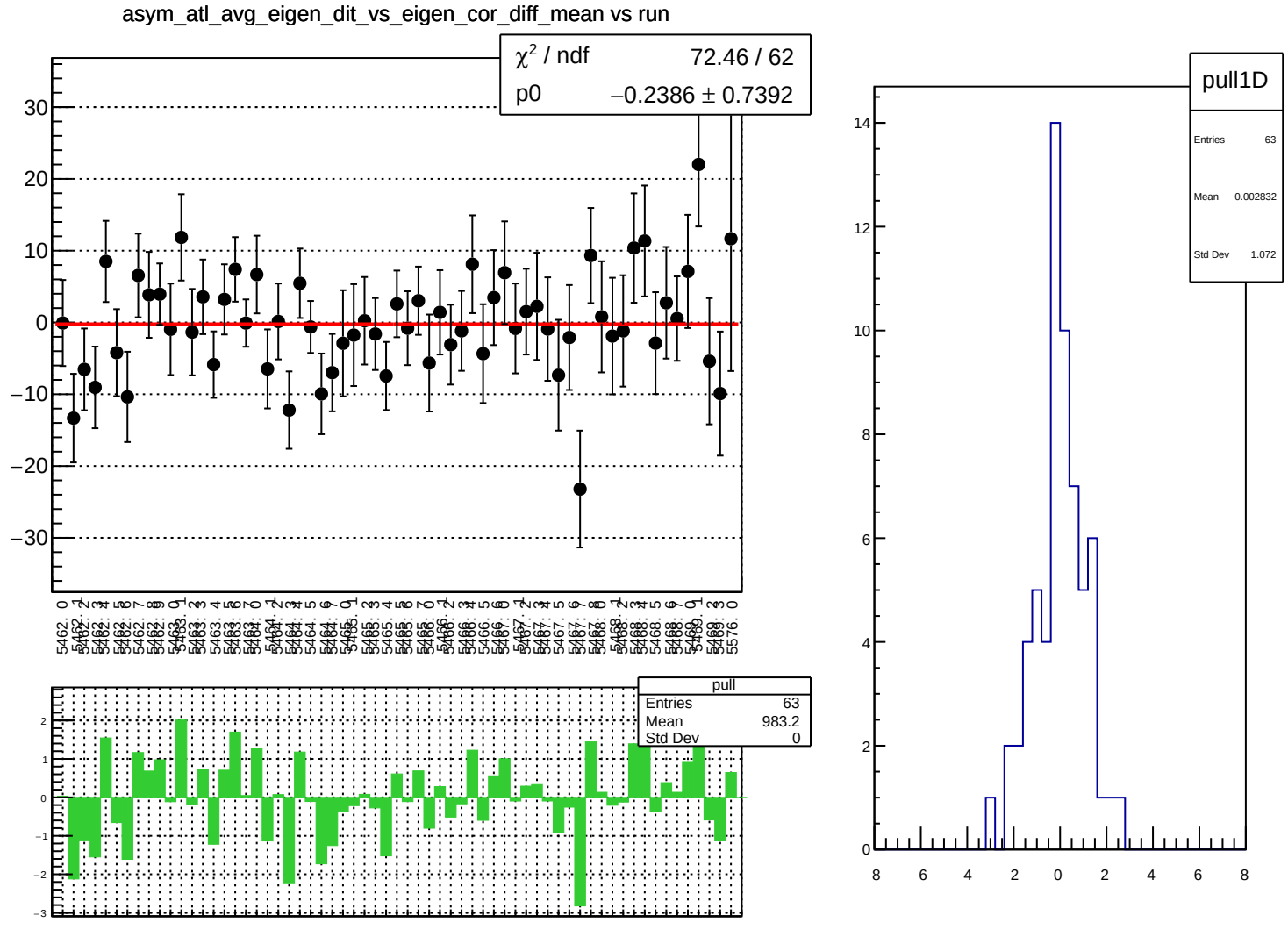

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 82.52 / 62
p0 −3.099e−07 ± 1.007e−05
pull
Entries 63
Mean 146.9
Std Dev 0
pull1D
Entries 63
Mean −0.01021
Std Dev 1.144

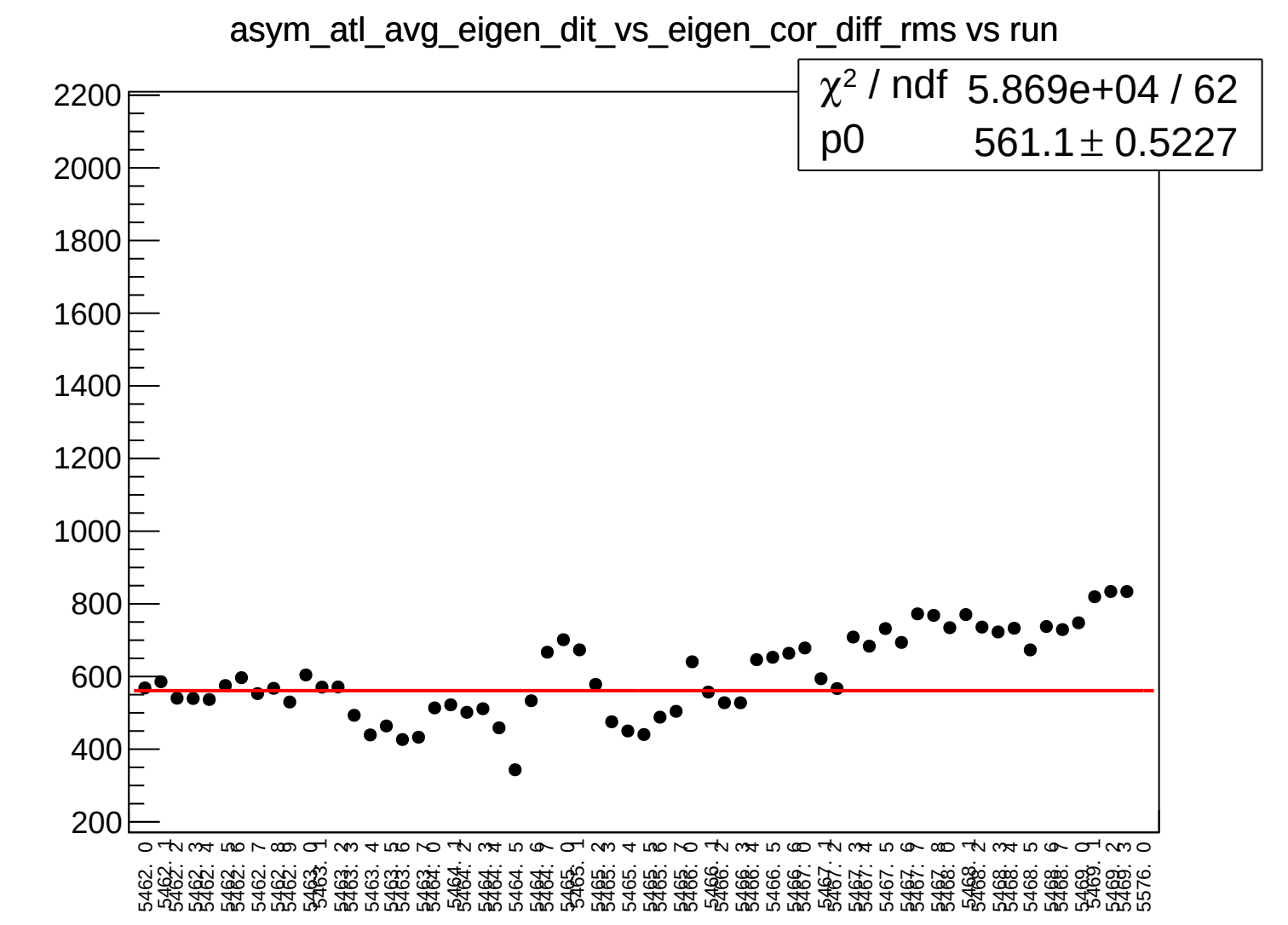

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5257 / 62
p0 0.007817 ± 7.12e–06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

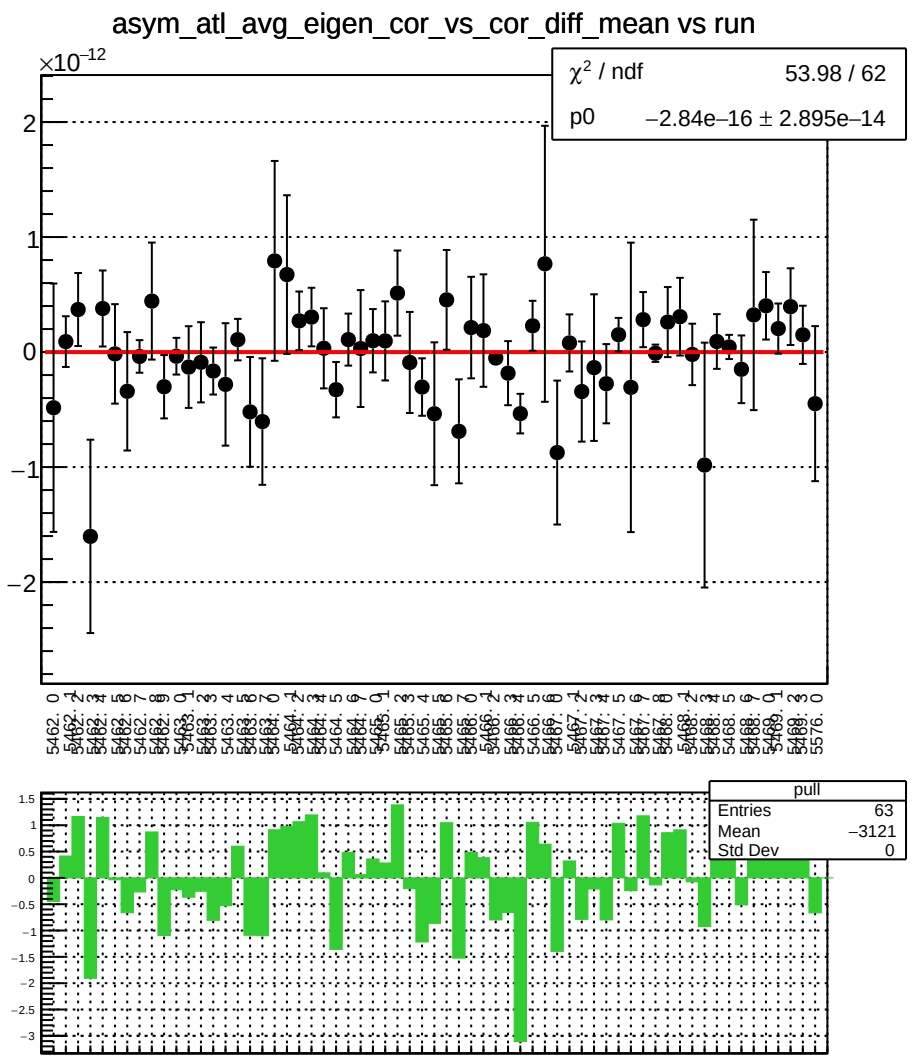

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.46 / 62
p0 −0.2386 ± 0.7392
pull
Entries 63
Mean 983.2
Std Dev 0

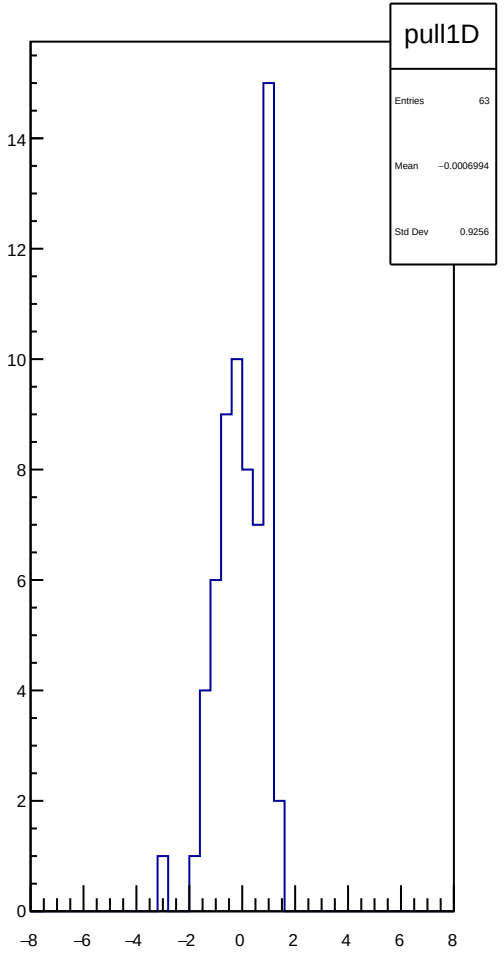

pull1D
Entries 63
Mean 0.002832
Std Dev 1.072

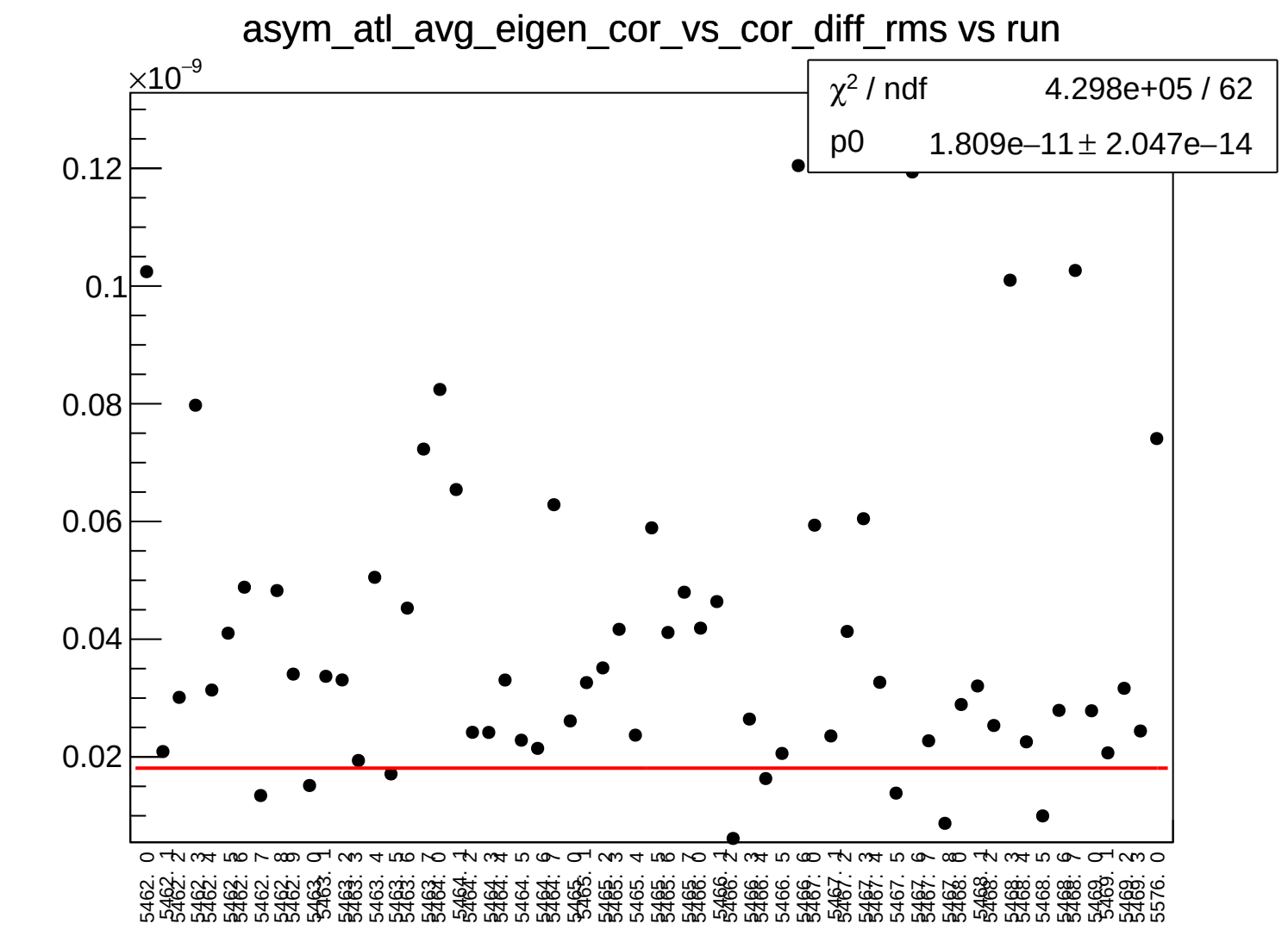

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 62
p0 561.1 ± 0.5227
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

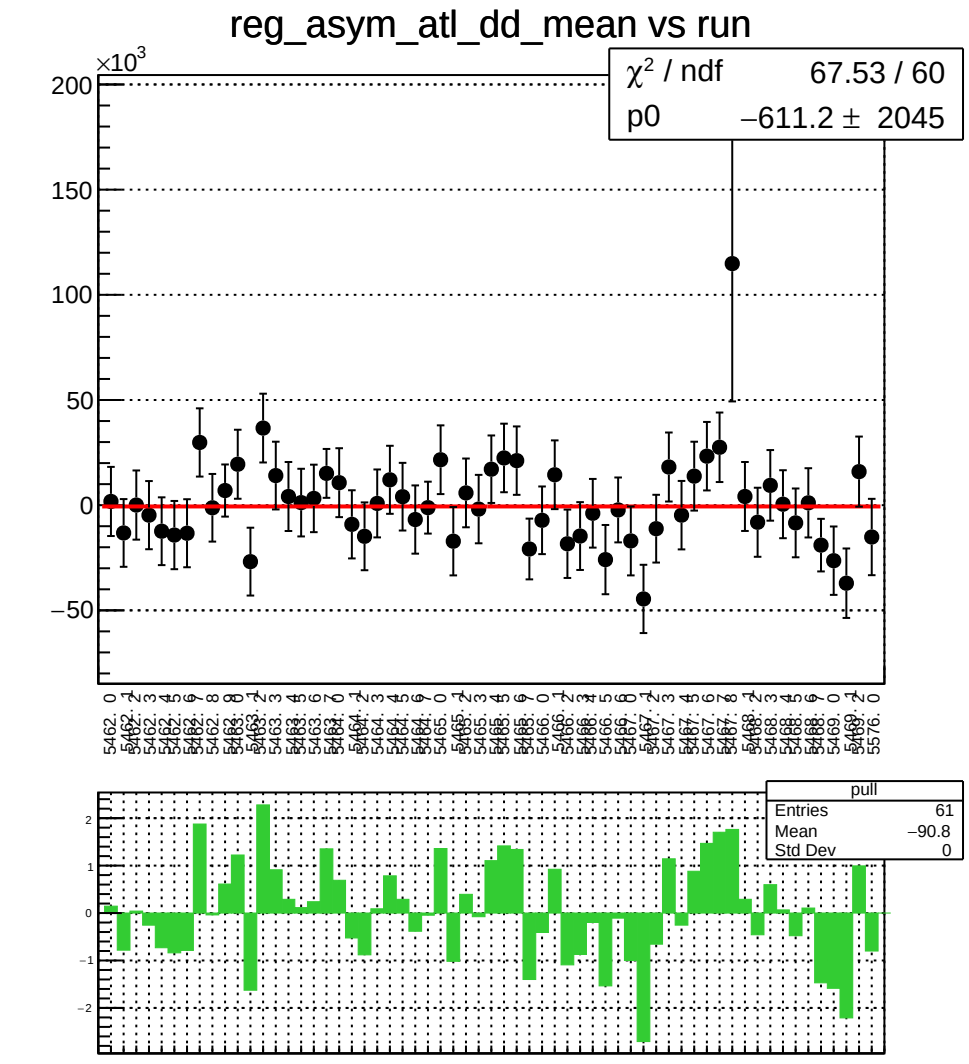

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.46 / 62
p0 −0.2386 ± 0.7392
pull
Entries 63
Mean 983.2
Std Dev 0
pull1D
Entries 63
Mean 0.002832
Std Dev 1.072

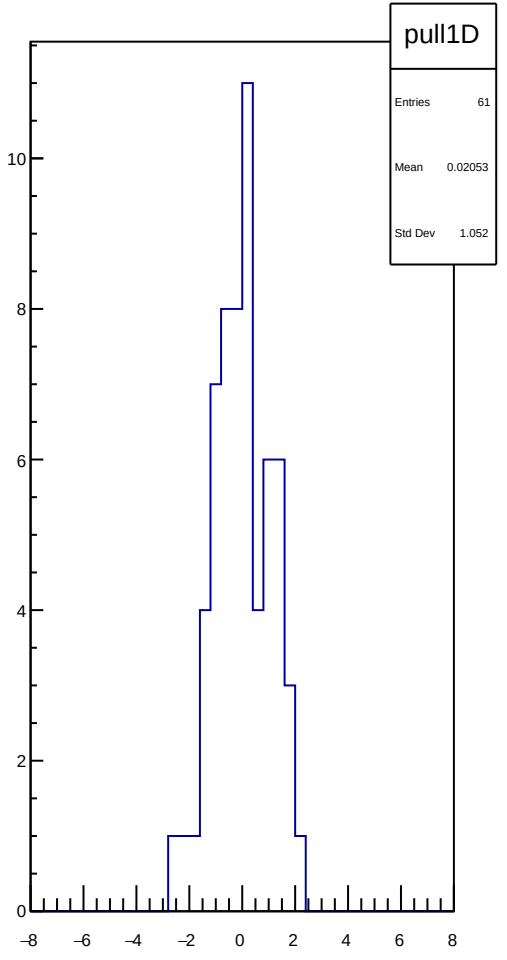

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 62
p0 561.1 ± 0.5227
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

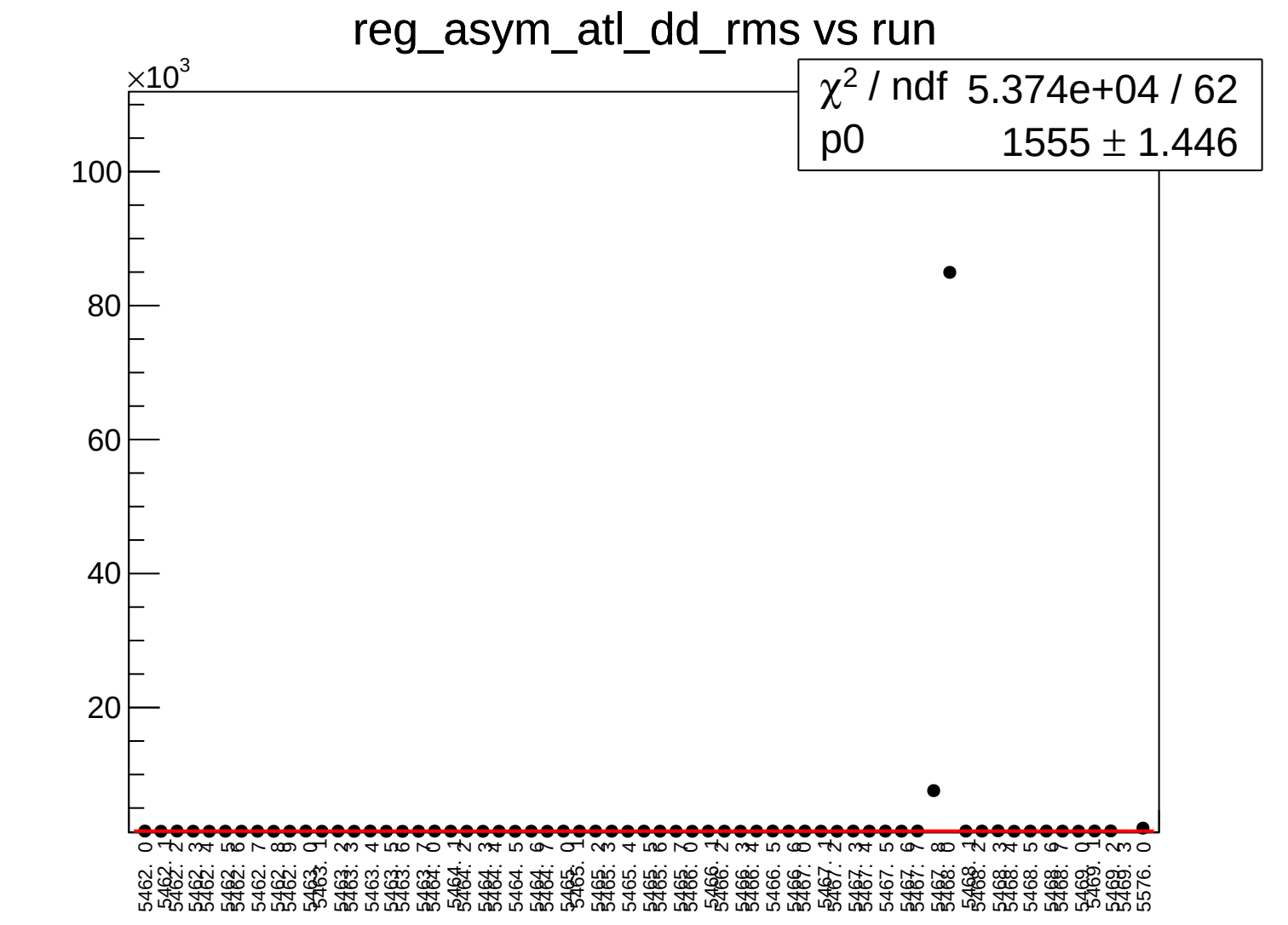

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.98 / 62
p0 −2.84e−16 ± 2.895e−14
pull
Entries 63
Mean −3121
Std Dev 0

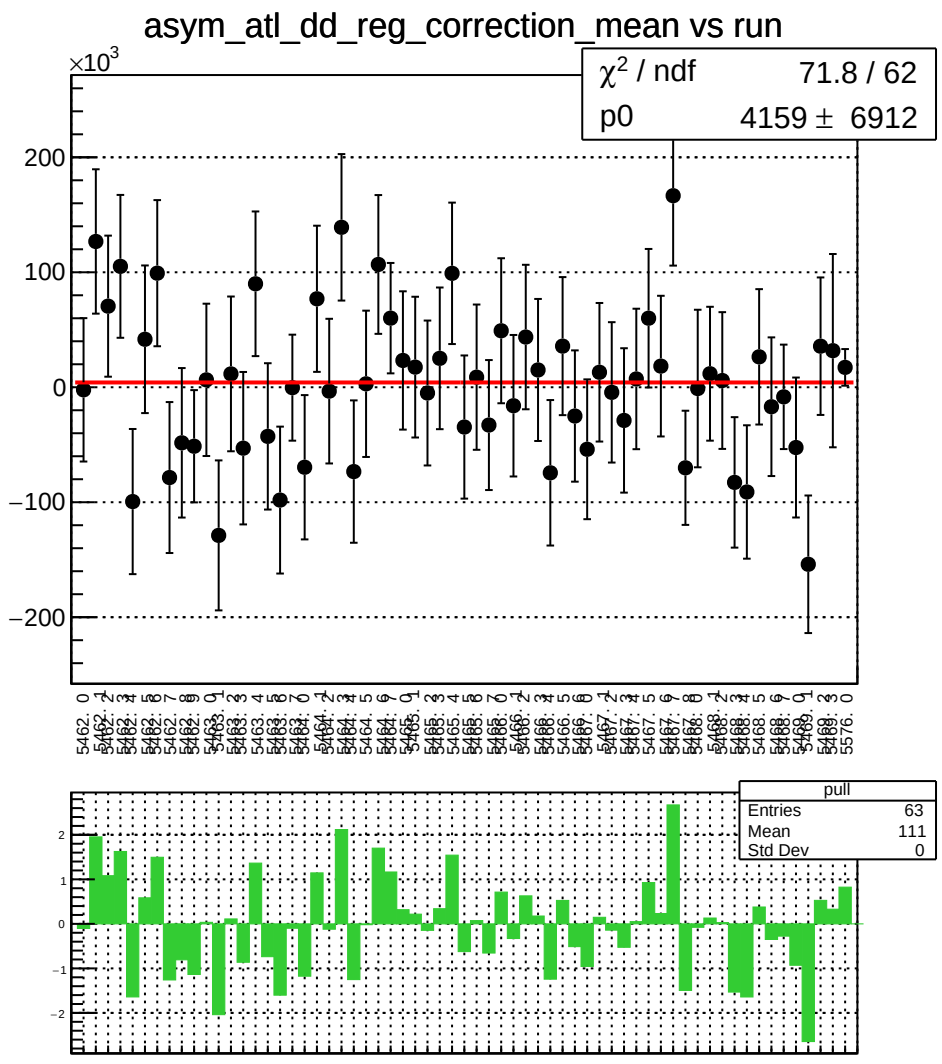

pull1D
Entries 63
Mean −0.0006994
Std Dev 0.9256

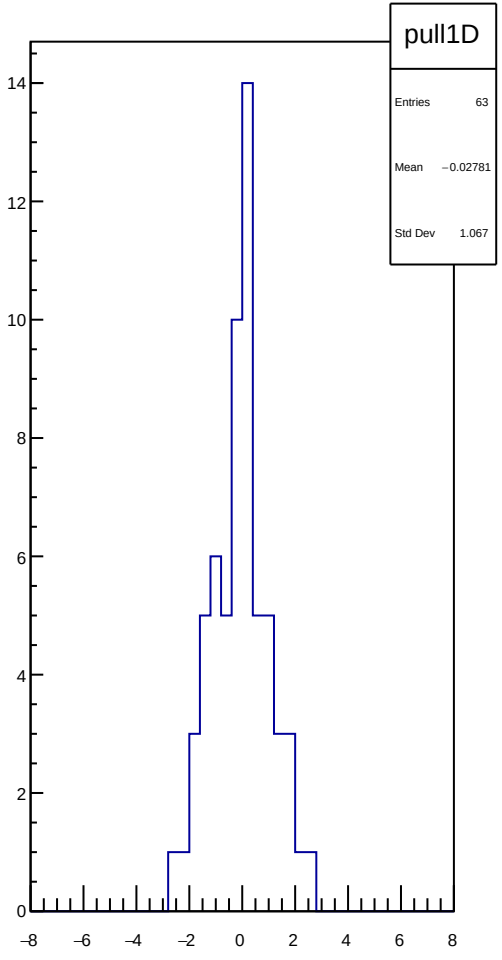

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.298e+05 / 62
p0 1.809e−11 ± 2.047e−14
0.12
0.1
0.08
0.06
0.04
0.02

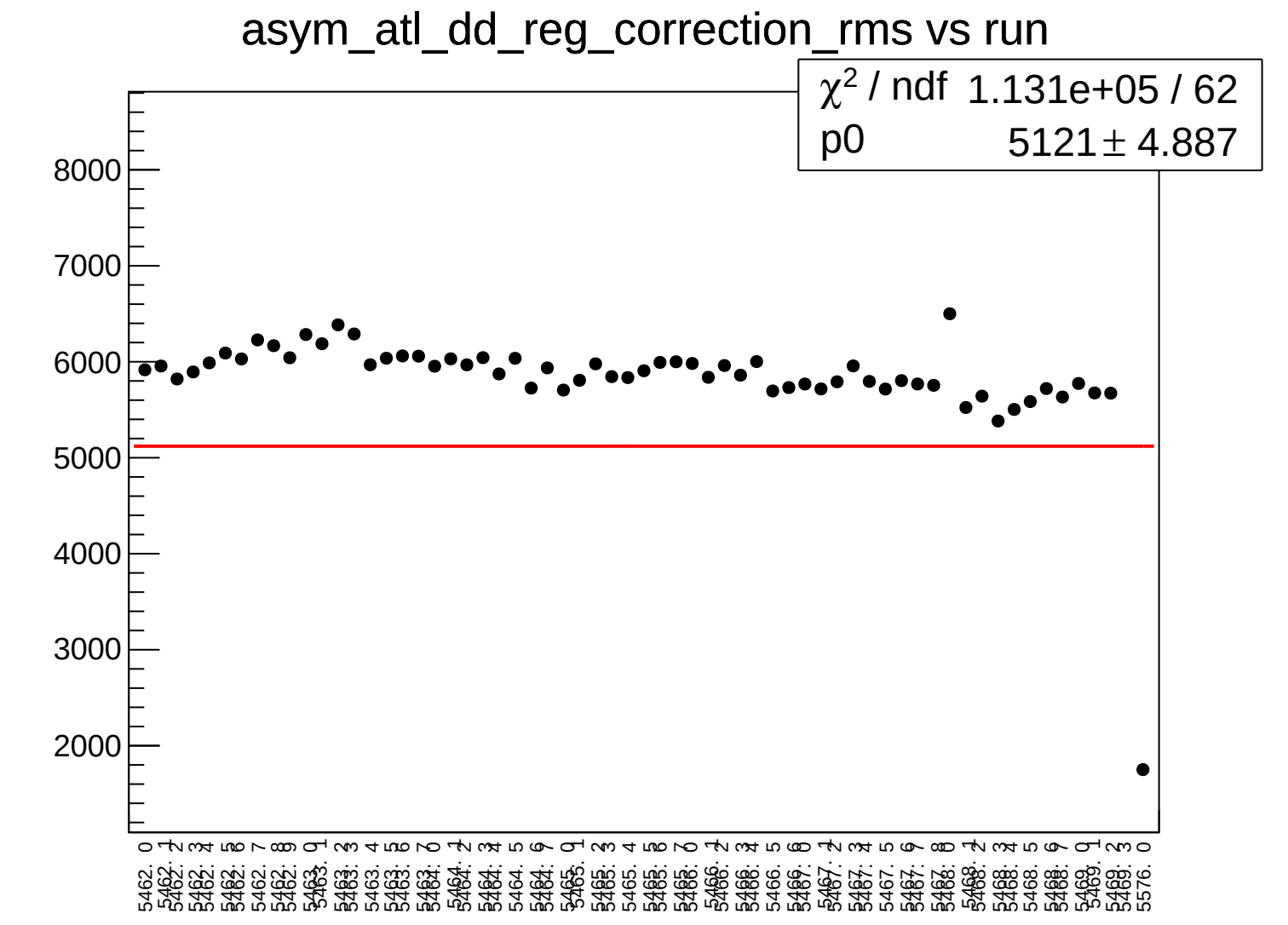

reg_asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.53 / 60
p0 −611.2 ± 2045
200
150
100
50
0
−50
pull
Entries 61
Mean −90.8
Std Dev 0
2
1
0
−1
−2

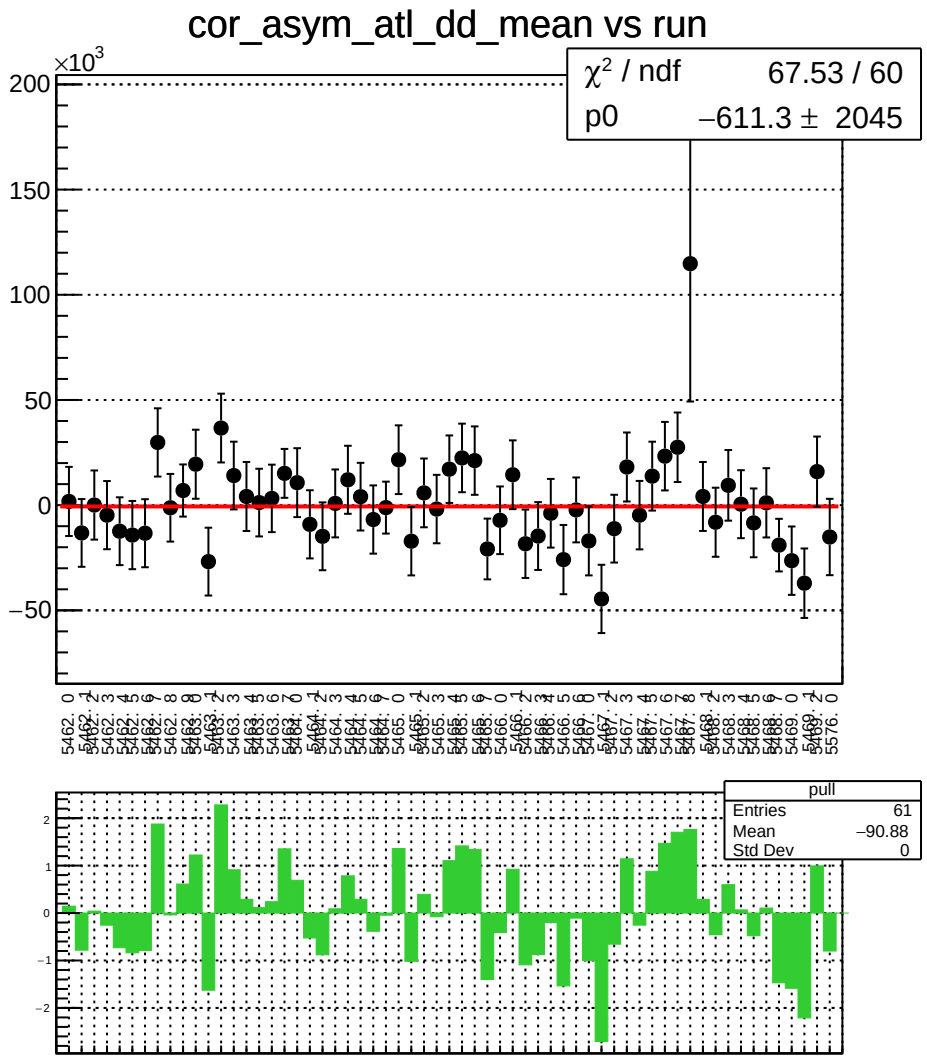

pull1D
Entries 61
Mean 0.02053
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

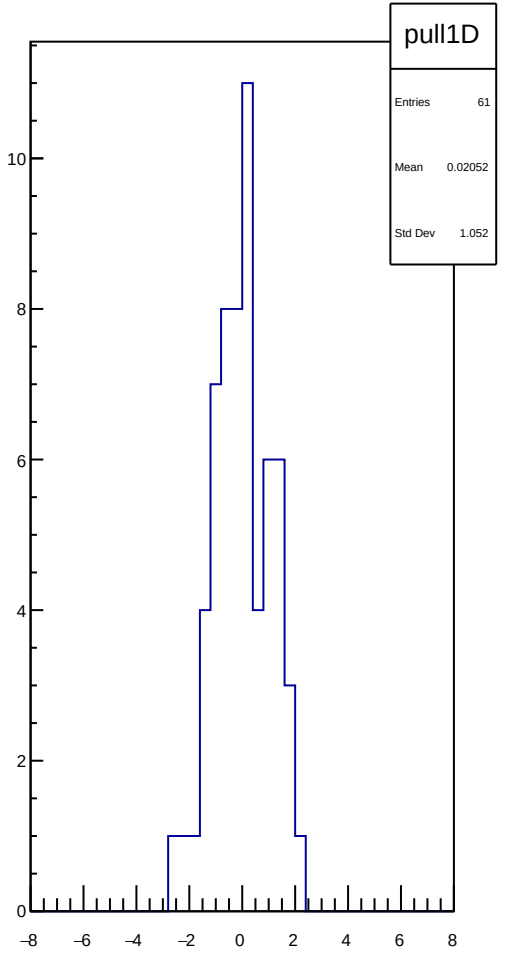

reg_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 5.374e+04 / 62
p0 1555 ± 1.446
100
80
60
40
20

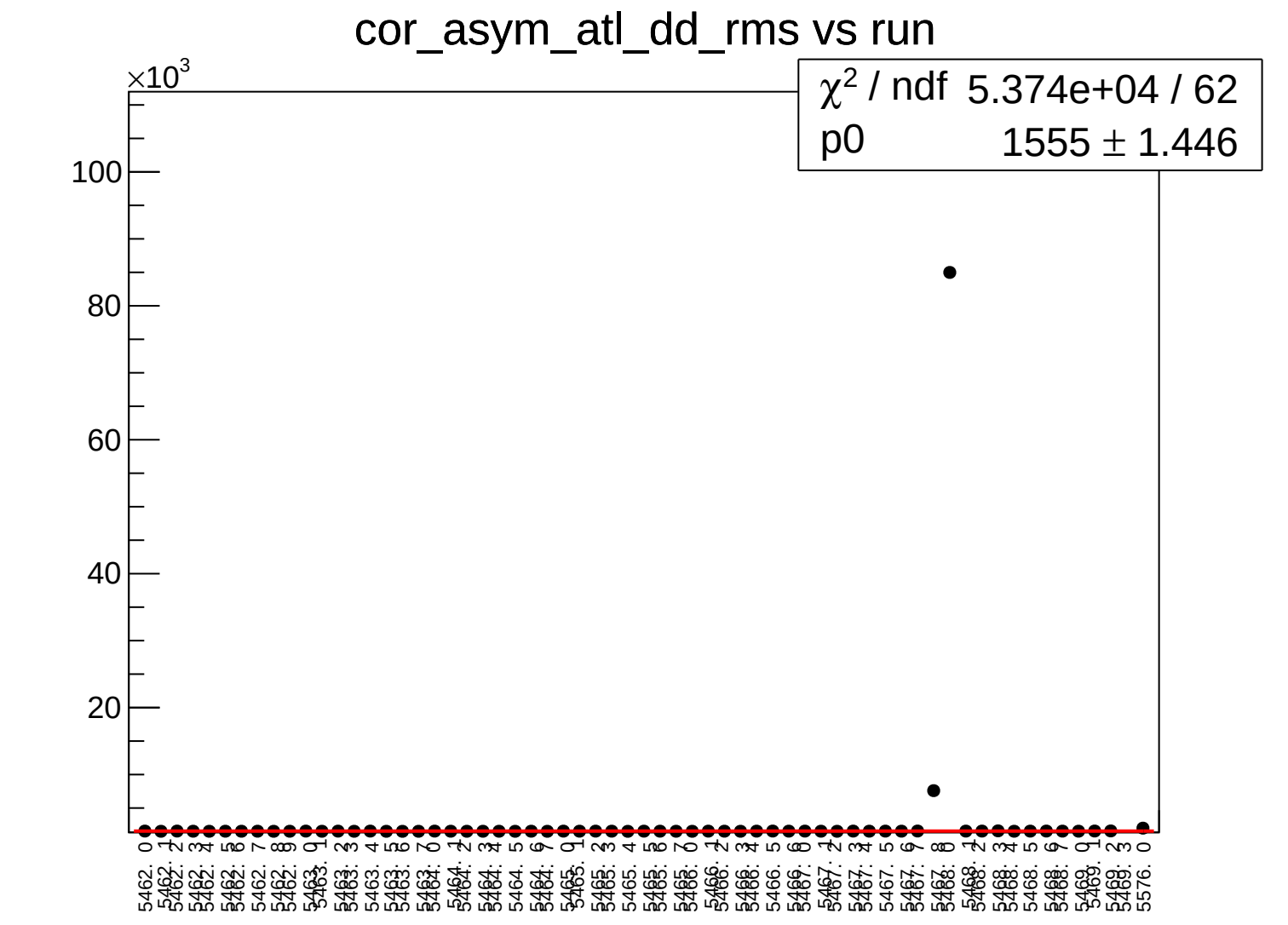

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 71.8 / 62
p0 4159 ± 6912
200
100
0
−100
−200
pull
Entries 63
Mean 111
Std Dev 0
2
1
0
−1
−2

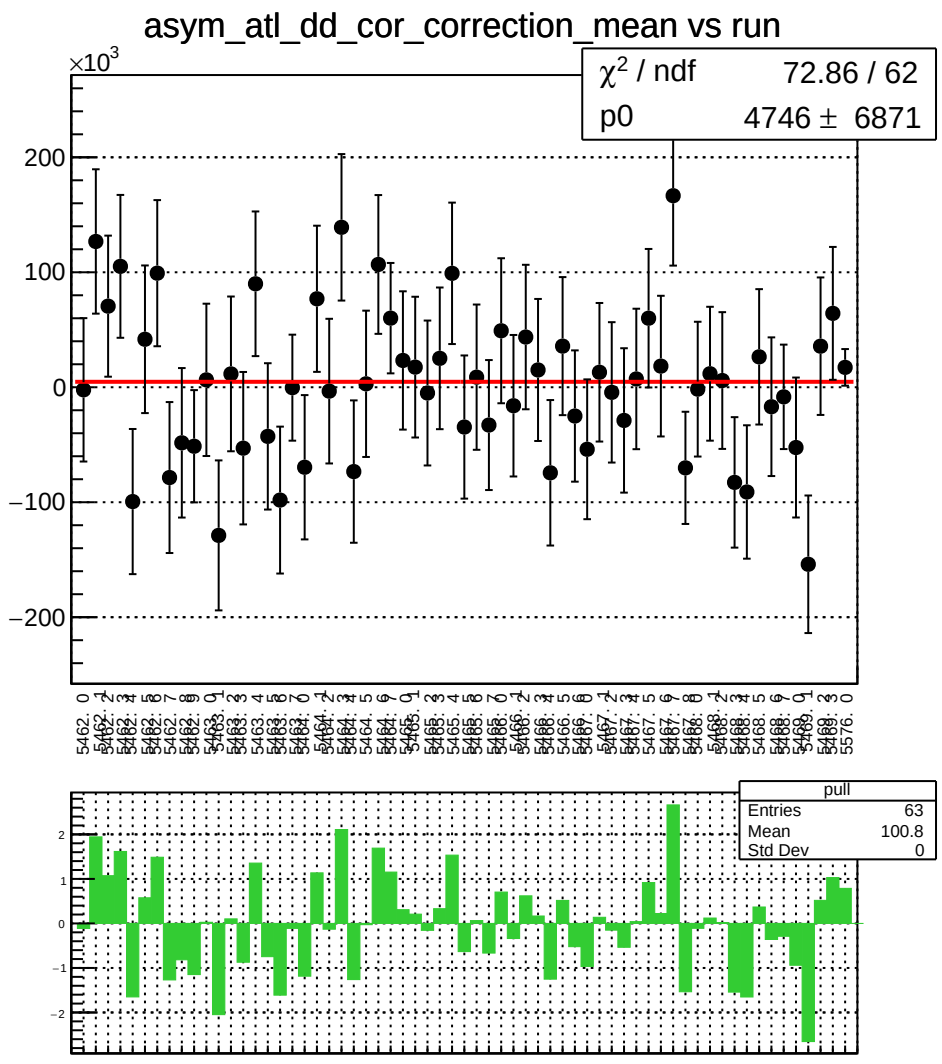

pull1D
Entries 63
Mean −0.02781
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

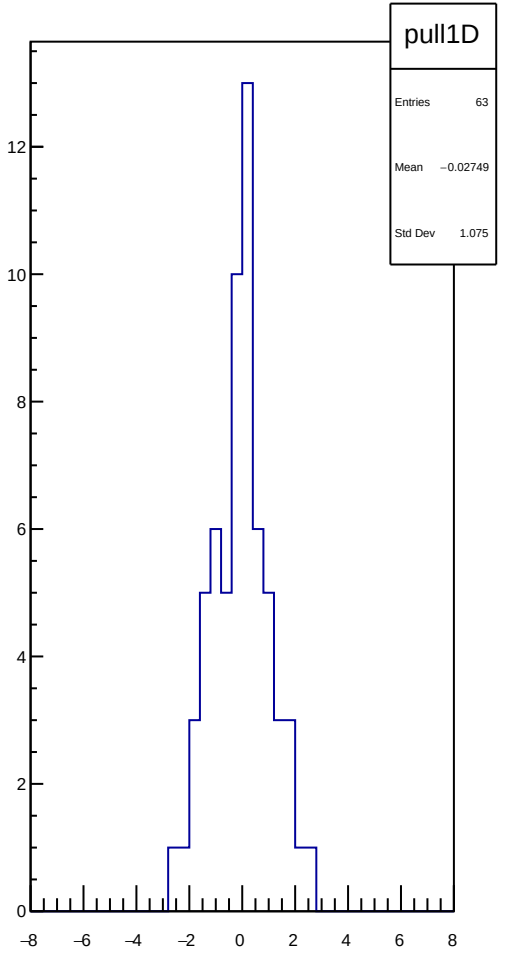

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1.131e+05 / 62
p0 5121 ± 4.887
8000
7000
6000
5000
4000
3000
2000

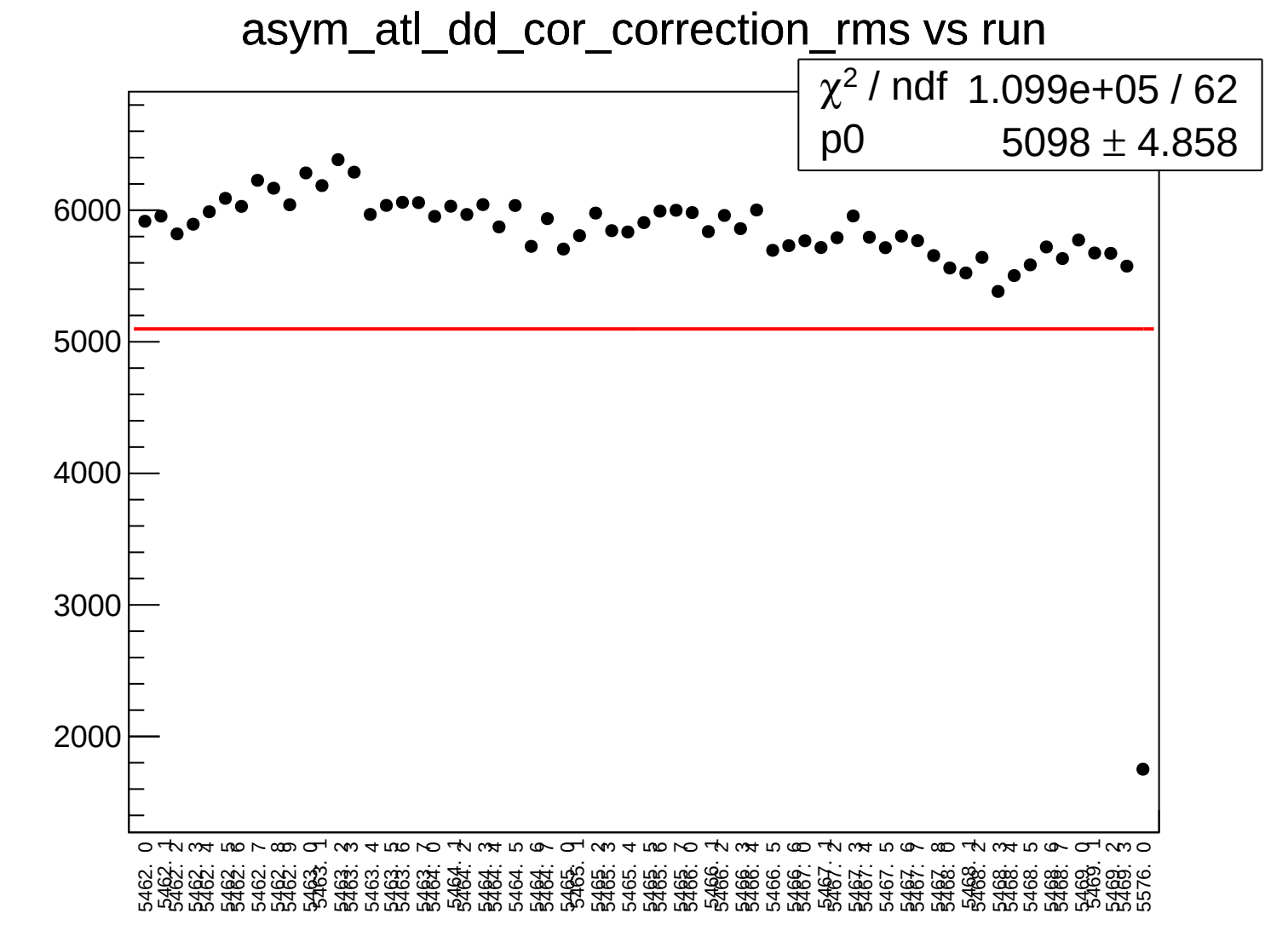

cor_asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.53 / 60
p0 −611.3 ± 2045
pull
Entries 61
Mean −90.88
Std Dev 0

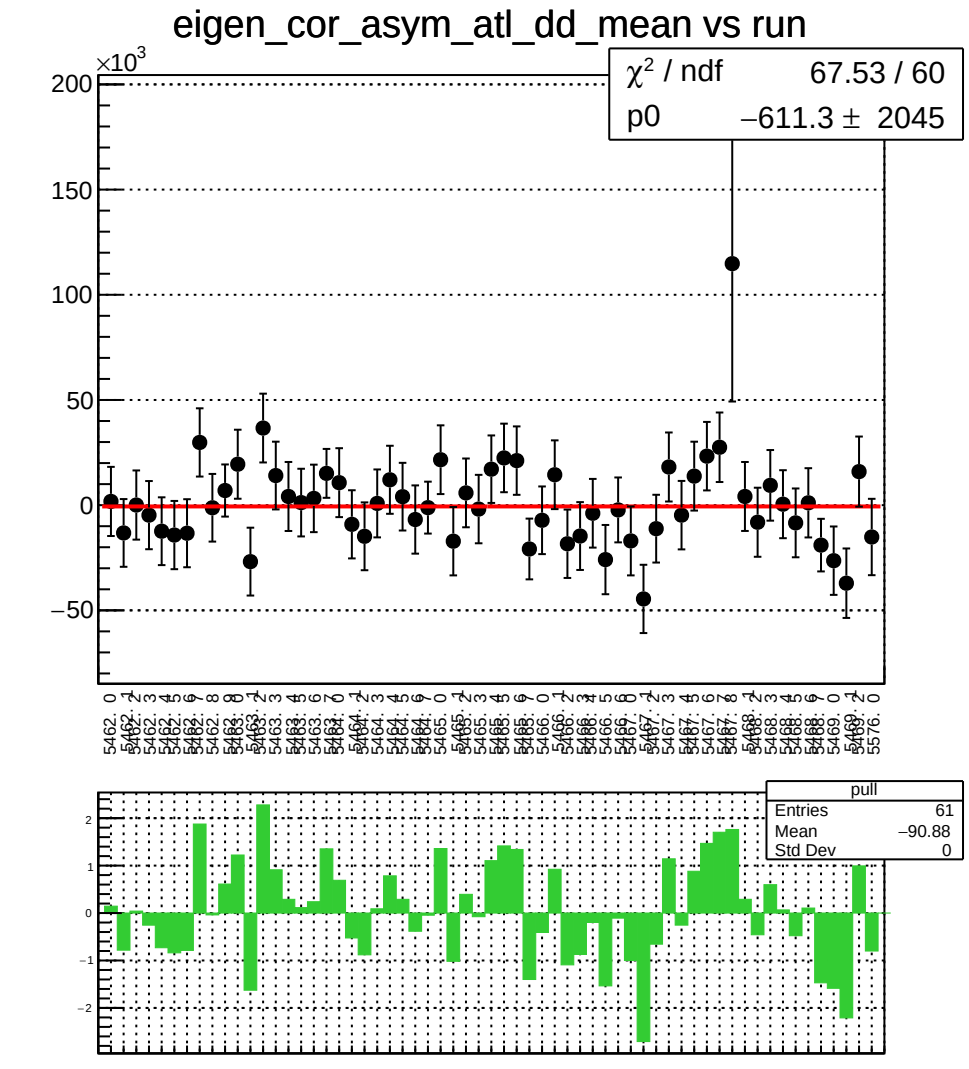

pull1D
Entries 61
Mean 0.02052
Std Dev 1.052

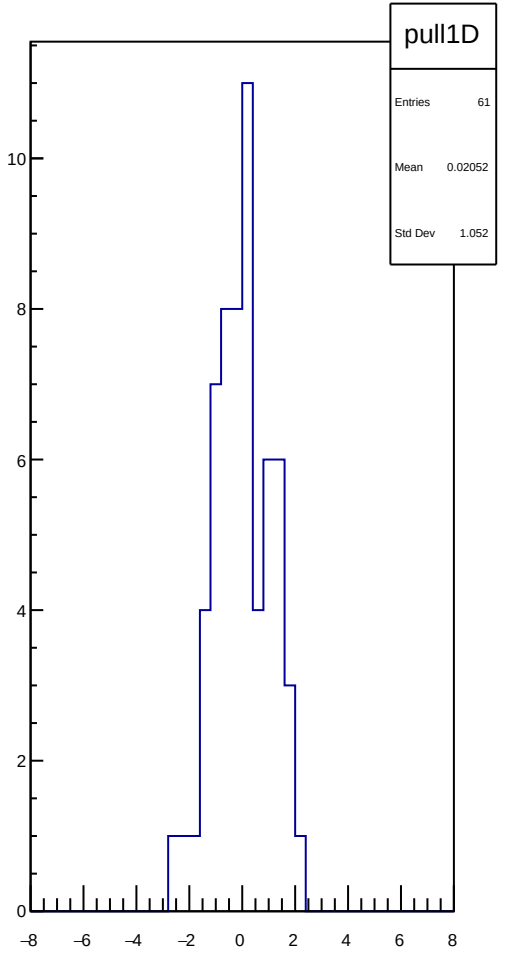

cor_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 5.374e+04 / 62
p0 1555 ± 1.446
100
80
60
40
20

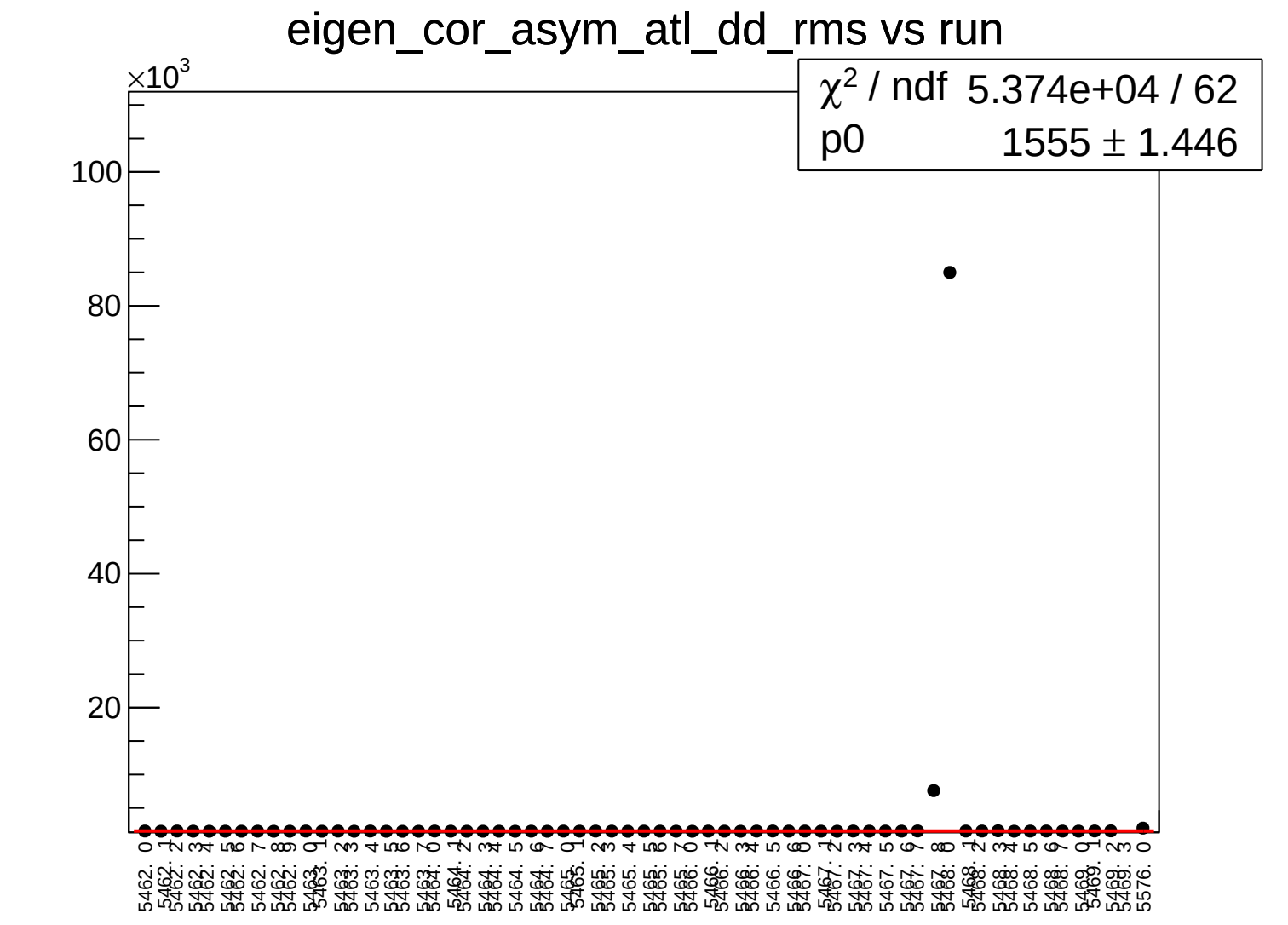

asym_atl_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 72.86 / 62
p0 4746 ± 6871
200
100
0
−100
−200
pull
Entries 63
Mean 100.8
Std Dev 0
2
1
0
−1
−2

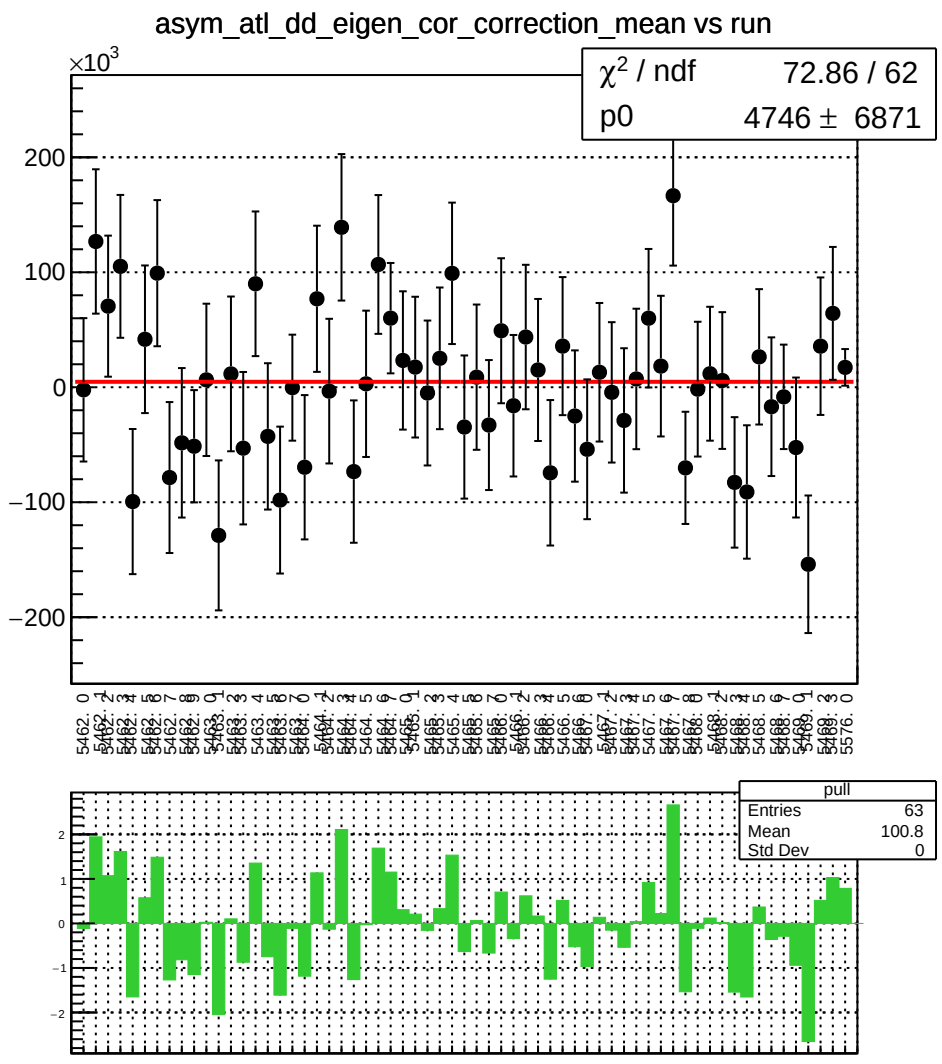

pull1D
Entries 63
Mean −0.02749
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

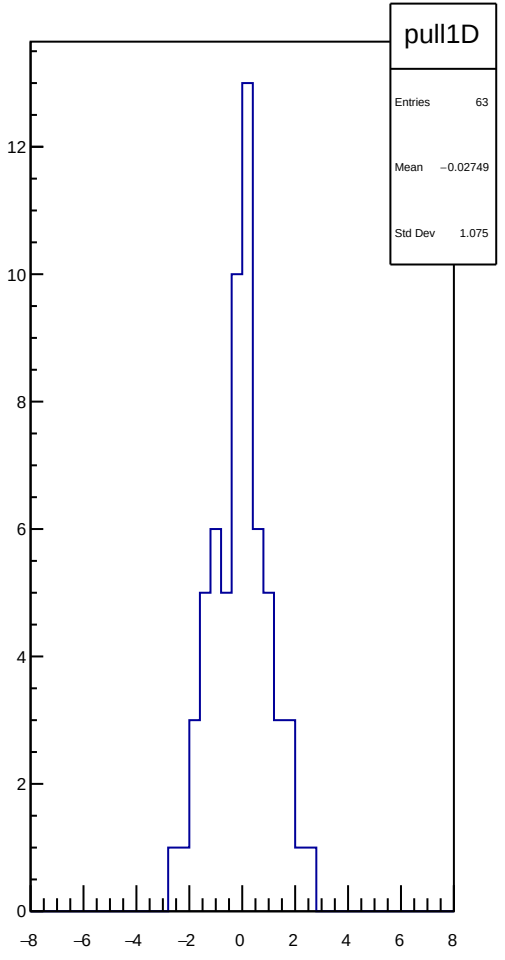

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1.099e+05 / 62
p0 5098 ± 4.858
6000
5000
4000
3000
2000

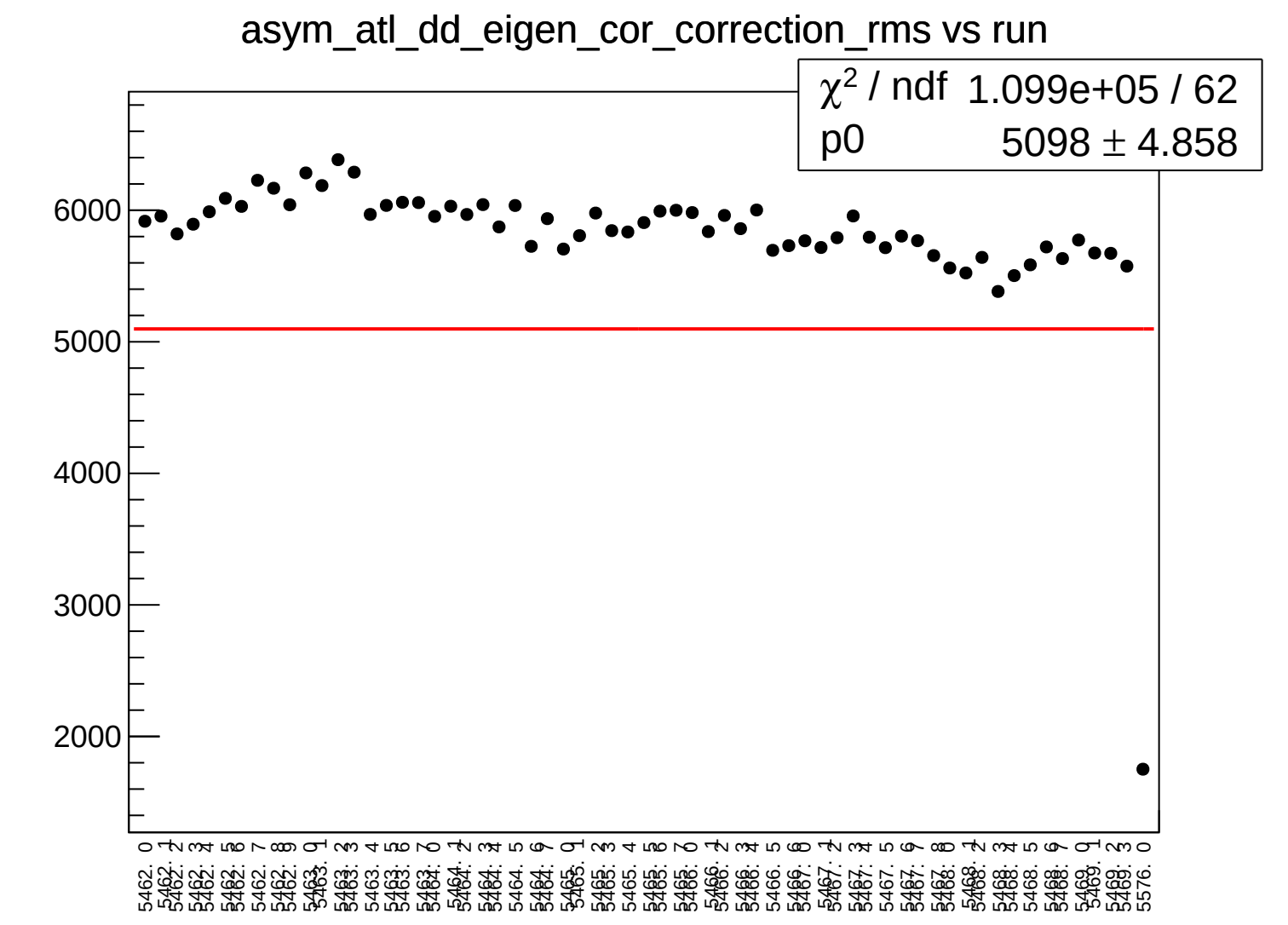

eigen_cor_asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.53 / 60
p0 −611.3 ± 2045
200
150
100
50
0
−50
pull
Entries 61
Mean −90.88
Std Dev 0
2
1
0
−1
−2

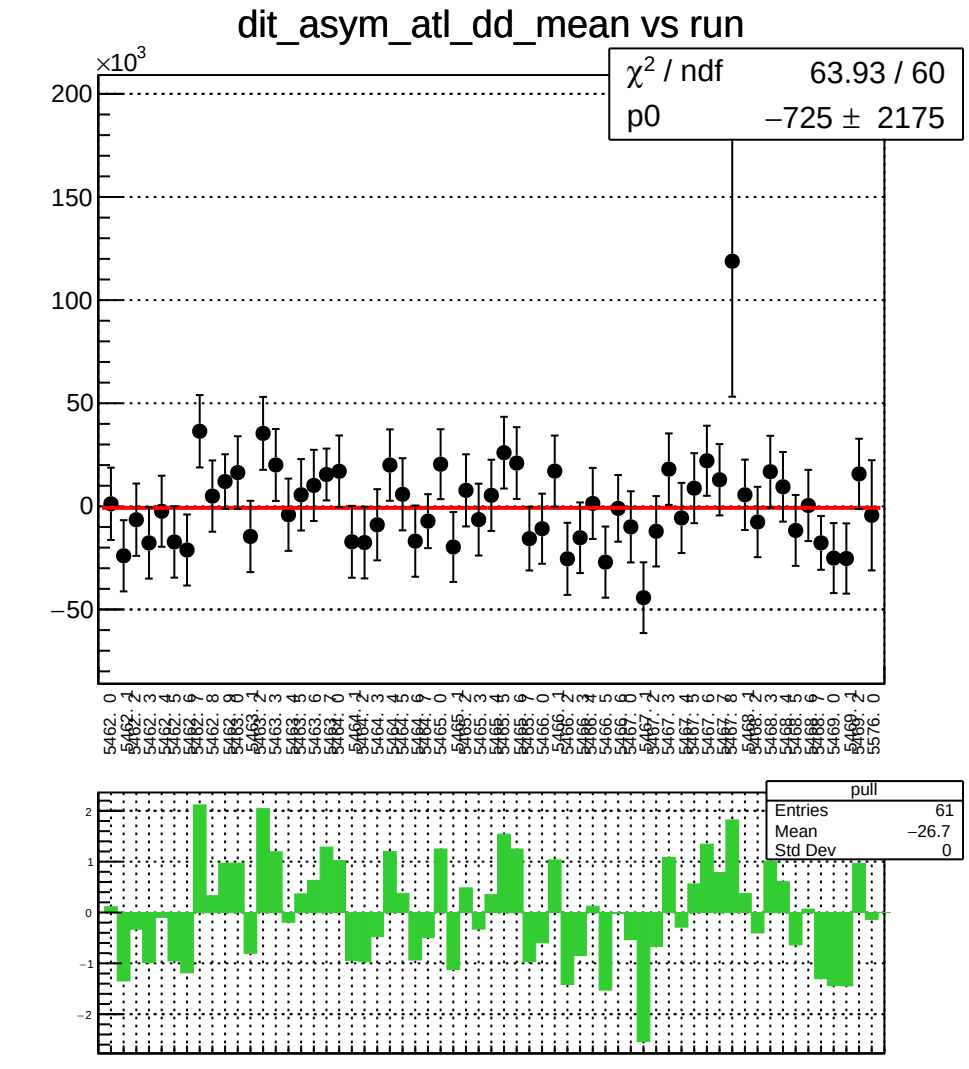

pull1D
Entries 61
Mean 0.02052
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

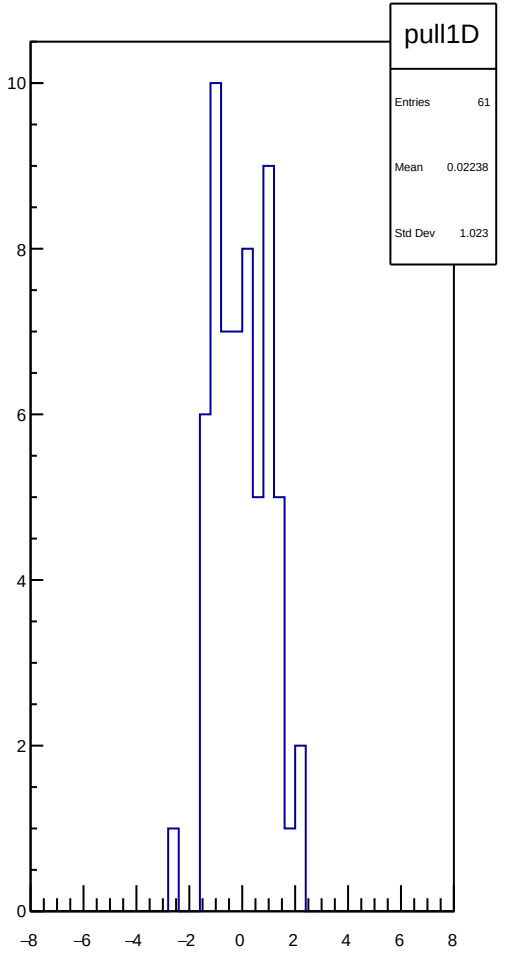

eigen_cor_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 5.374e+04 / 62
p0 1555 ± 1.446
100
80
60
40
20

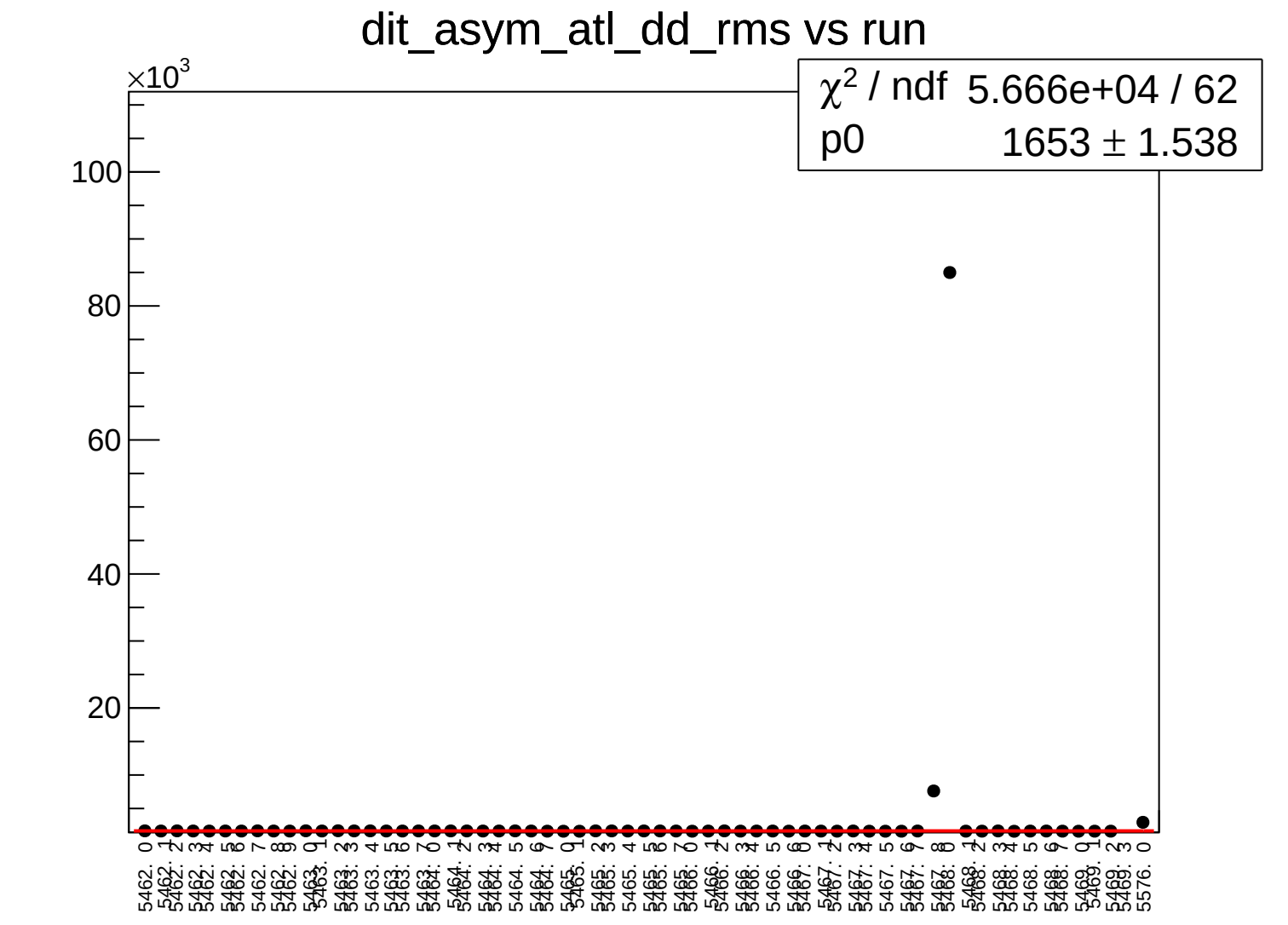

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 72.86 / 62
p0 4746 ± 6871
200
100
0
−100
−200
pull
Entries 63
Mean 100.8
Std Dev 0
2
1
0
−1
−2

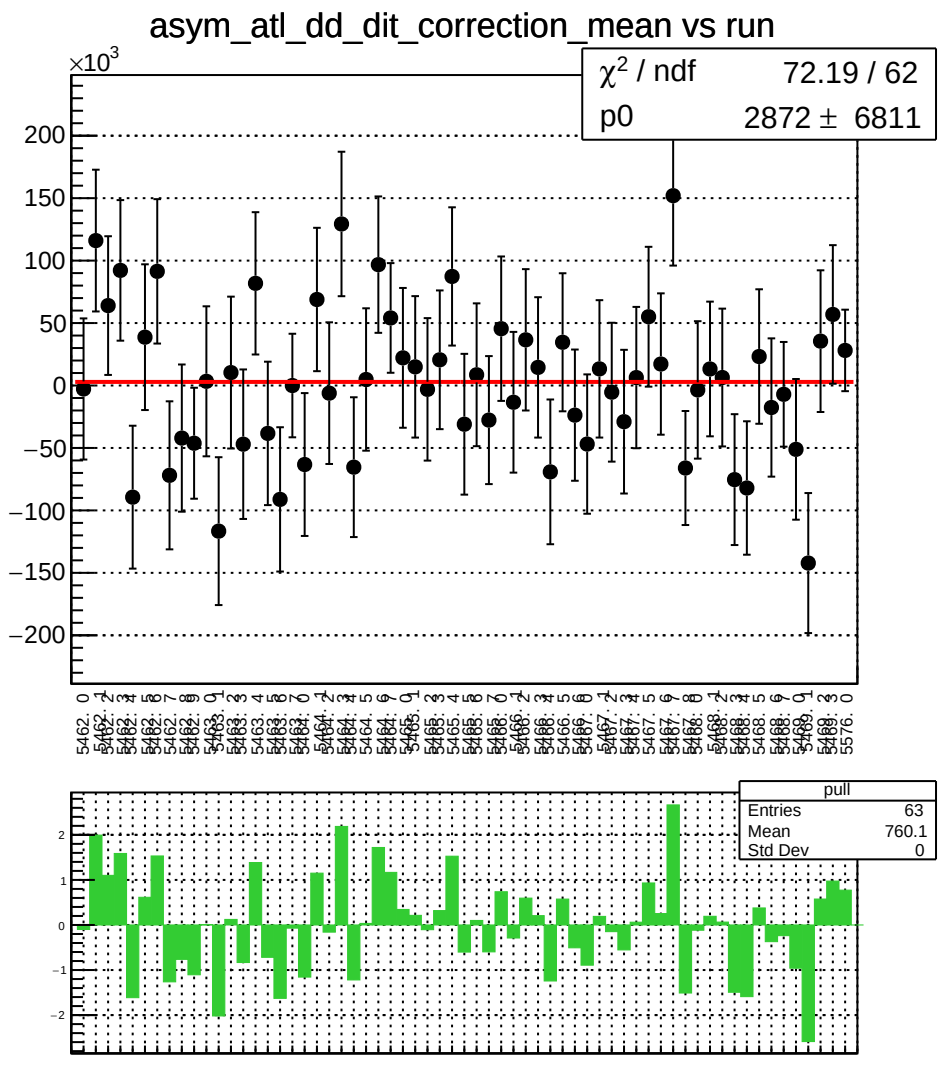

pull1D
Entries 63
Mean −0.02749
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

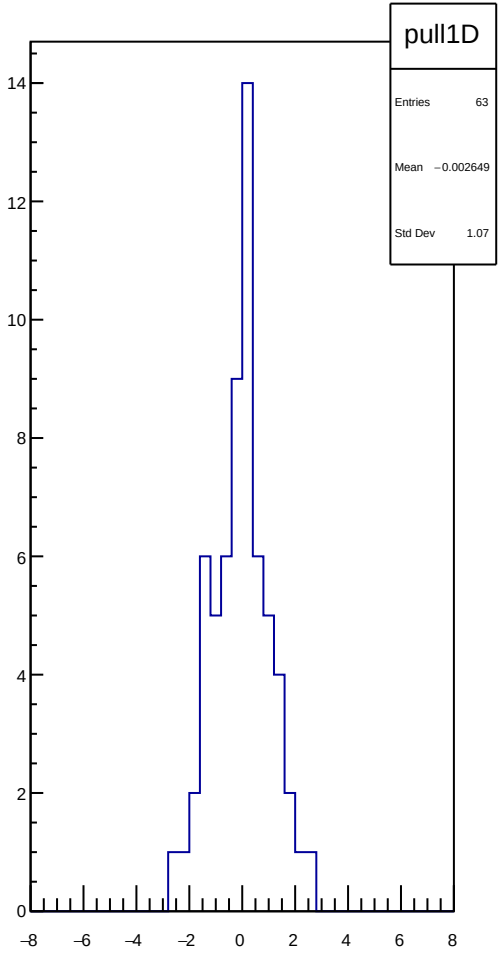

asym_atl_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 1.099e+05 / 62
p0 5098 ± 4.858
6000
5000
4000
3000
2000

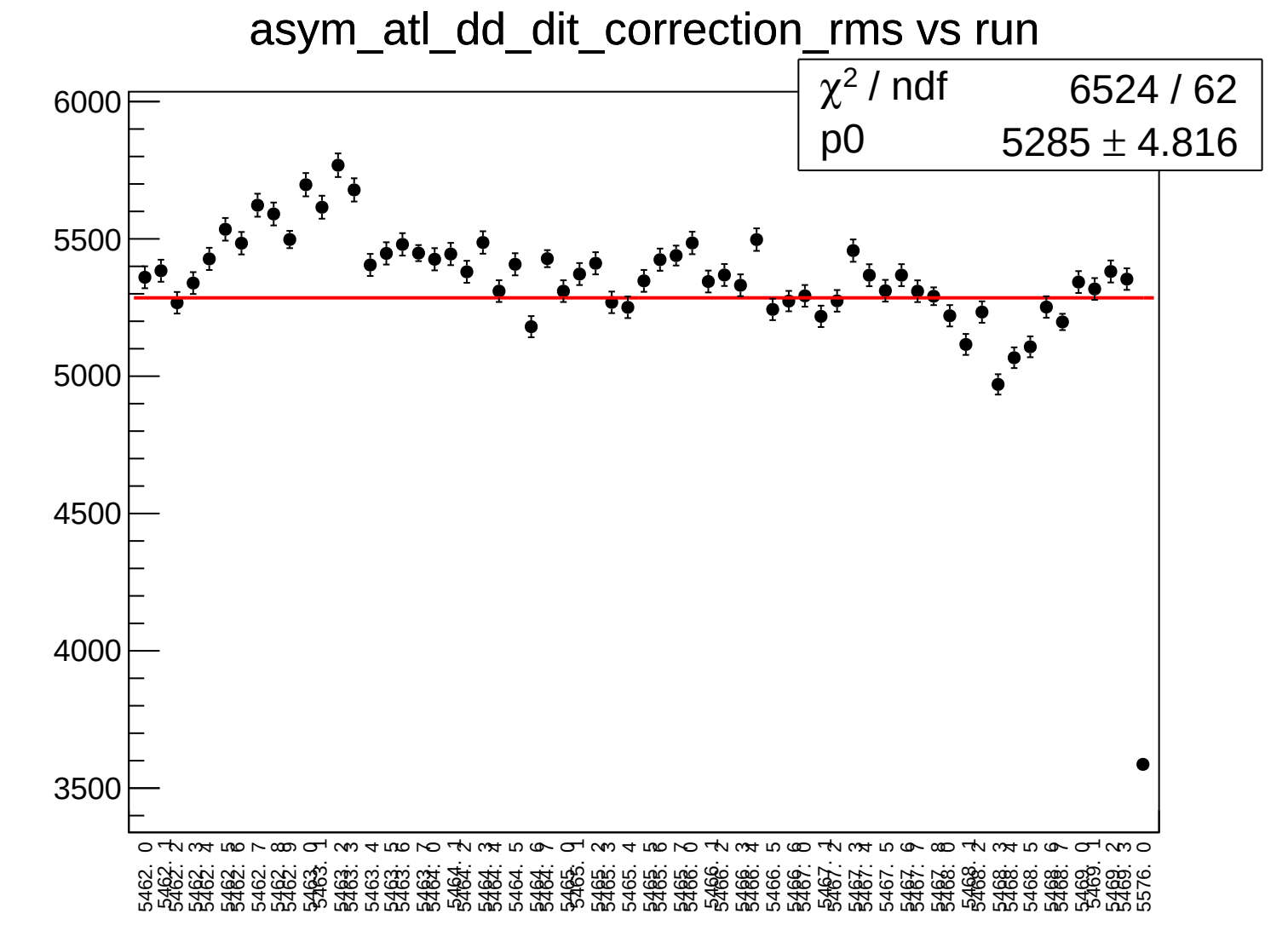

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 63.93 / 60
p0 −725 ± 2175
pull
Entries 61
Mean −26.7
Std Dev 0

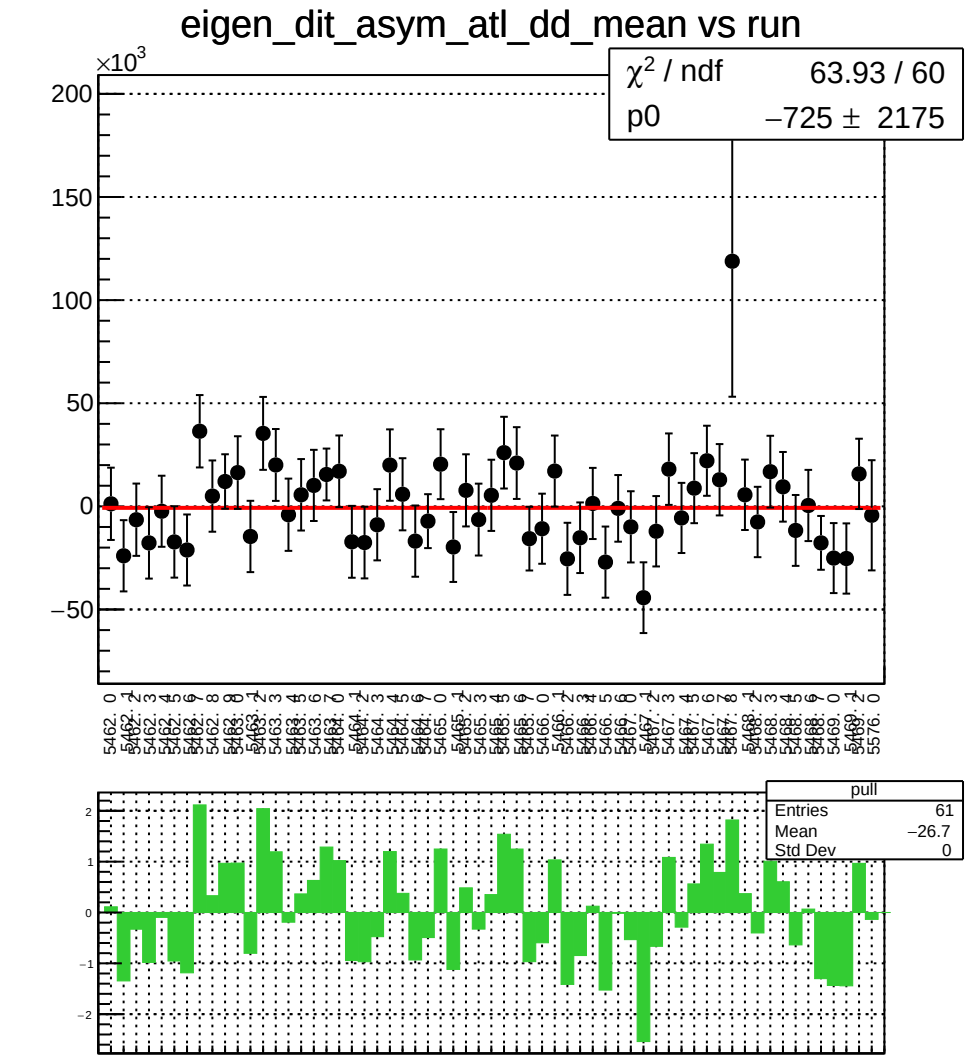

pull1D
Entries 61
Mean 0.02238
Std Dev 1.023

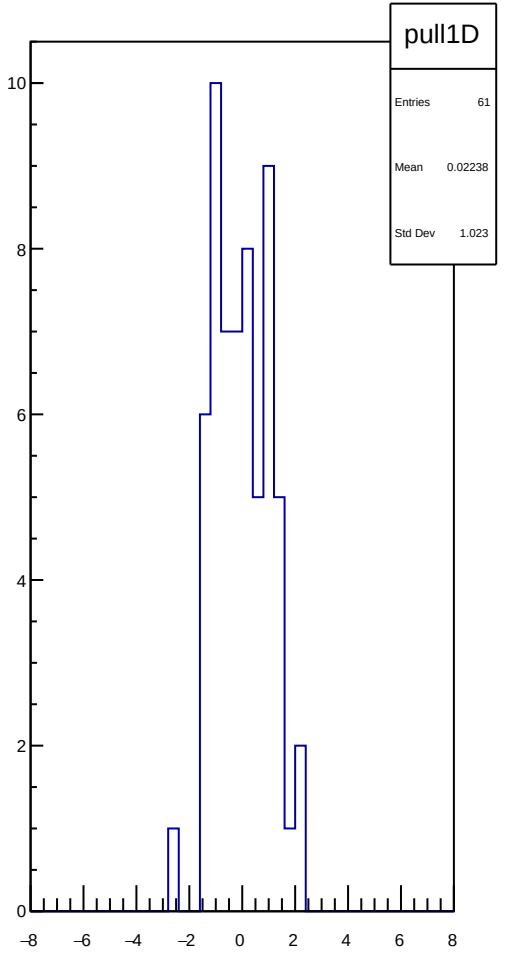

dit_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 5.666e+04 / 62
p0 1653 ± 1.538
100
80
60
40
20

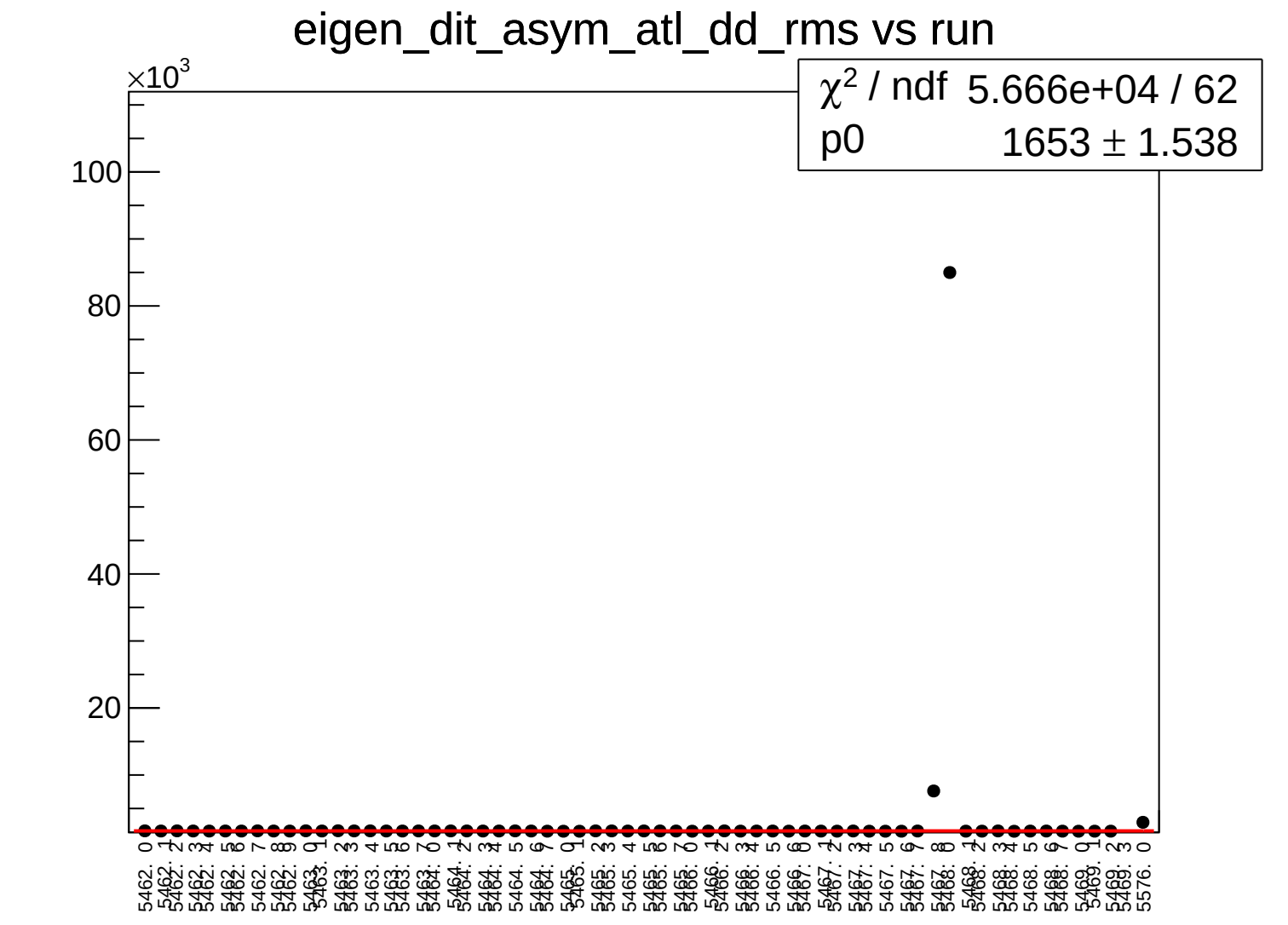

asym_atl_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 72.19 / 62
p0 2872 ± 6811
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 63
Mean 760.1
Std Dev 0
2
1
0
−1
−2

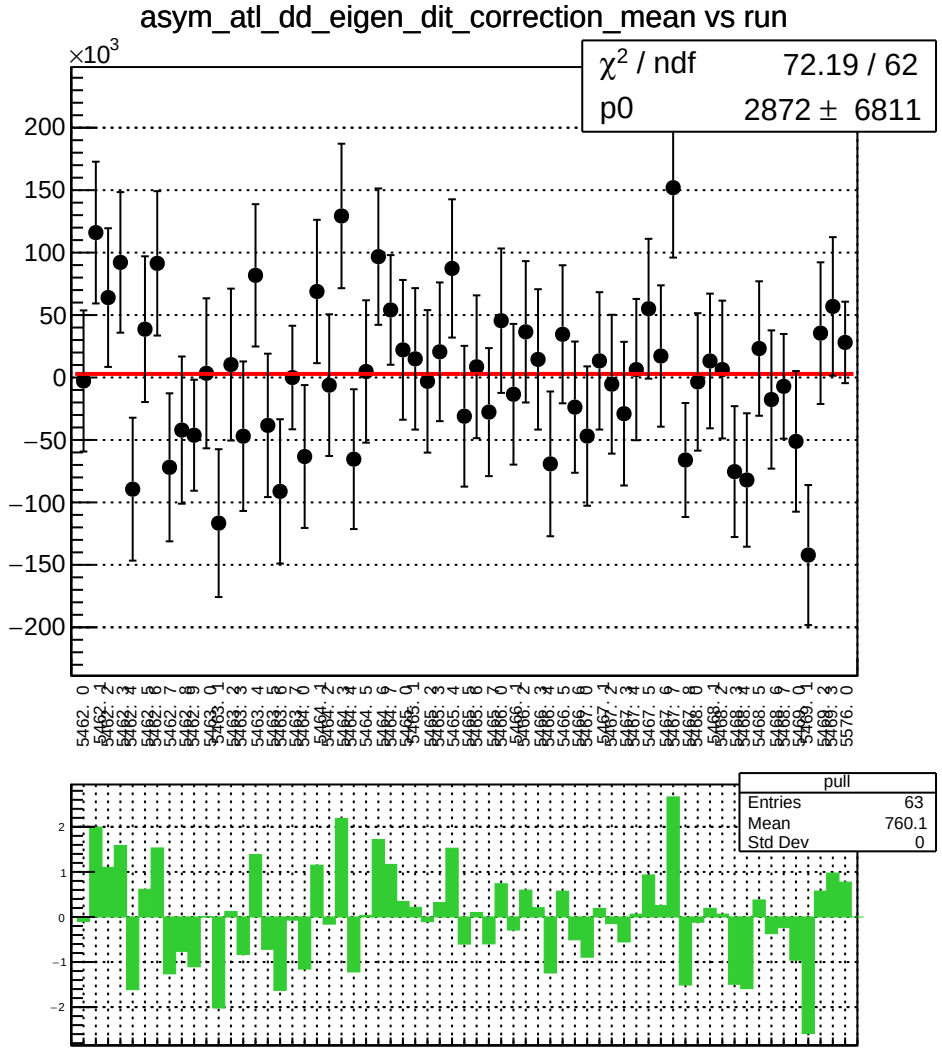

pull1D
Entries 63
Mean −0.002649
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

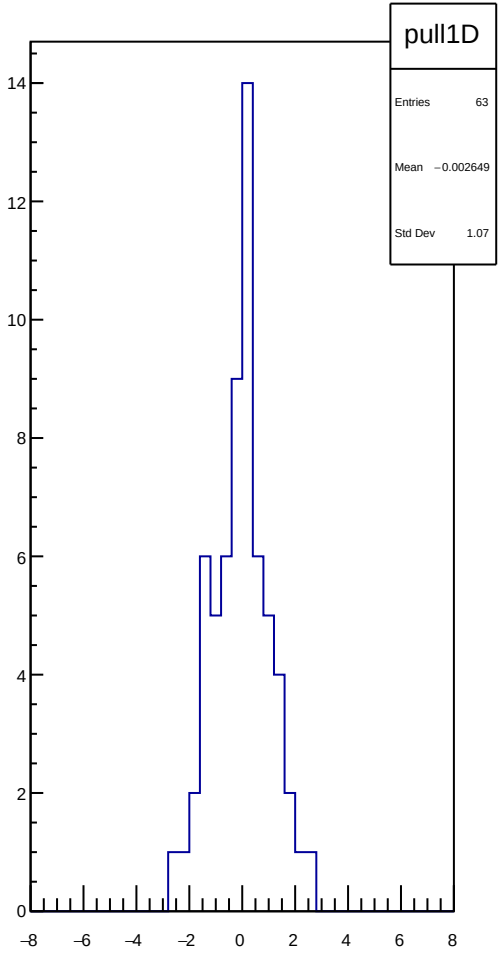

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 6524 / 62
p0 5285 ± 4.816
6000
5500
5000
4500
4000
3500

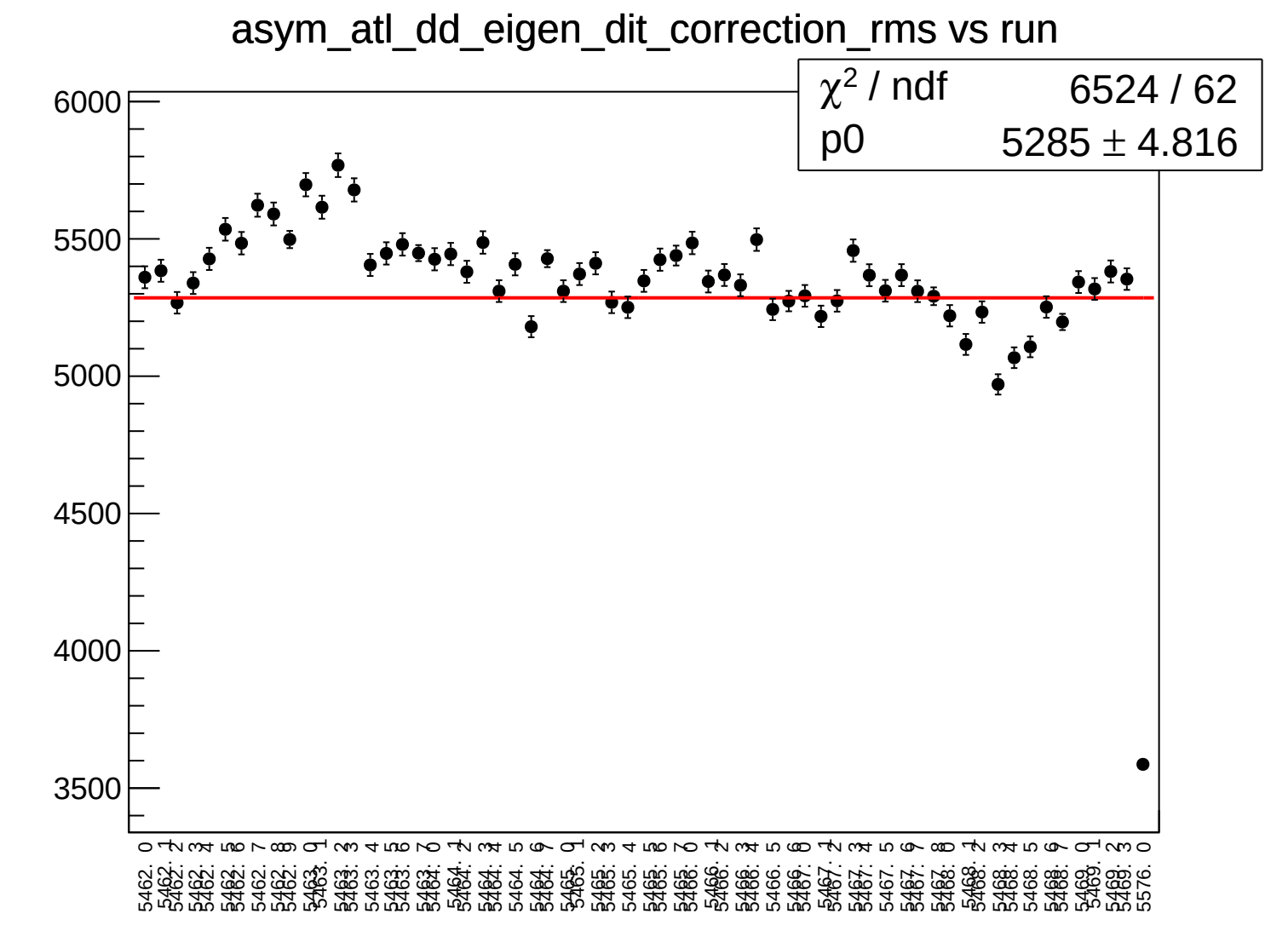

eigen_dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 63.93 / 60
p0 −725 ± 2175
200
150
100
50
0
−50
pull
Entries 61
Mean −26.7
Std Dev 0
2
1
0
−1
−2

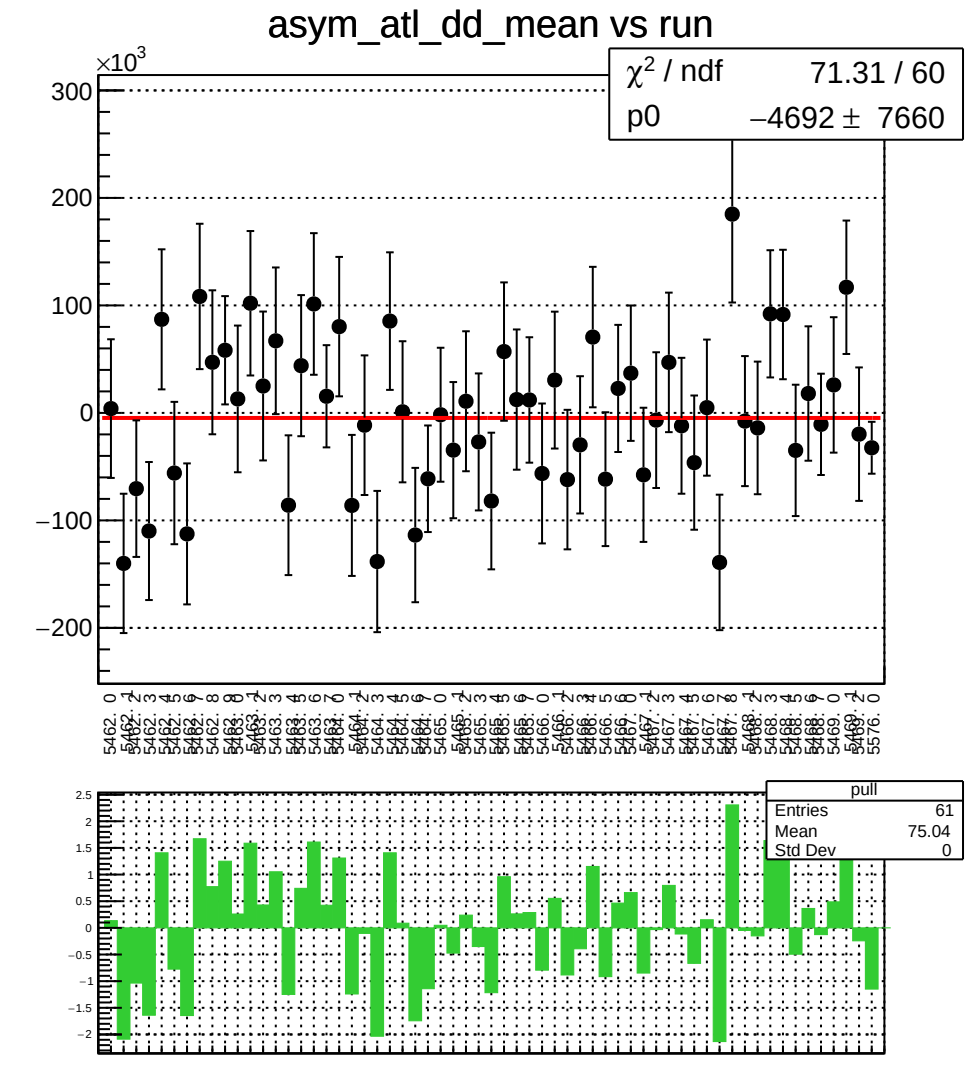

pull1D
Entries 61
Mean 0.02238
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

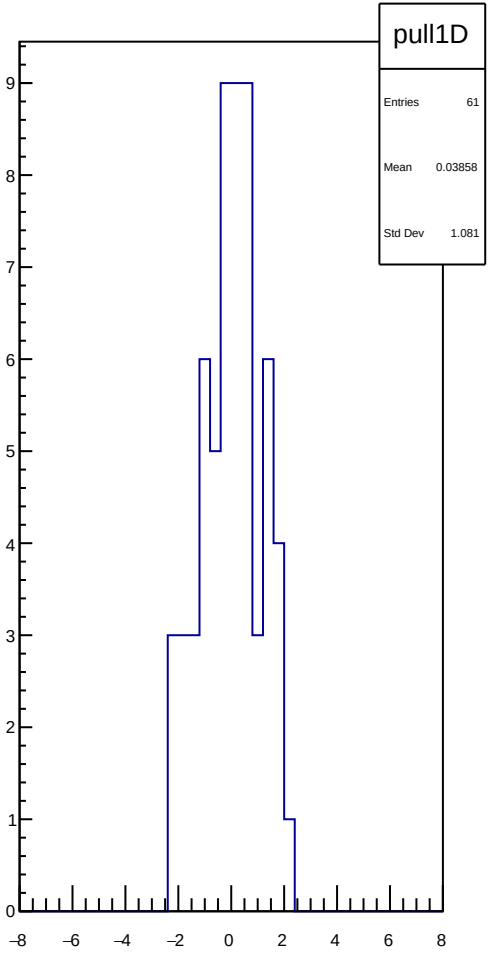

eigen_dit_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 5.666e+04 / 62
p0 1653 ± 1.538
100
80
60
40
20

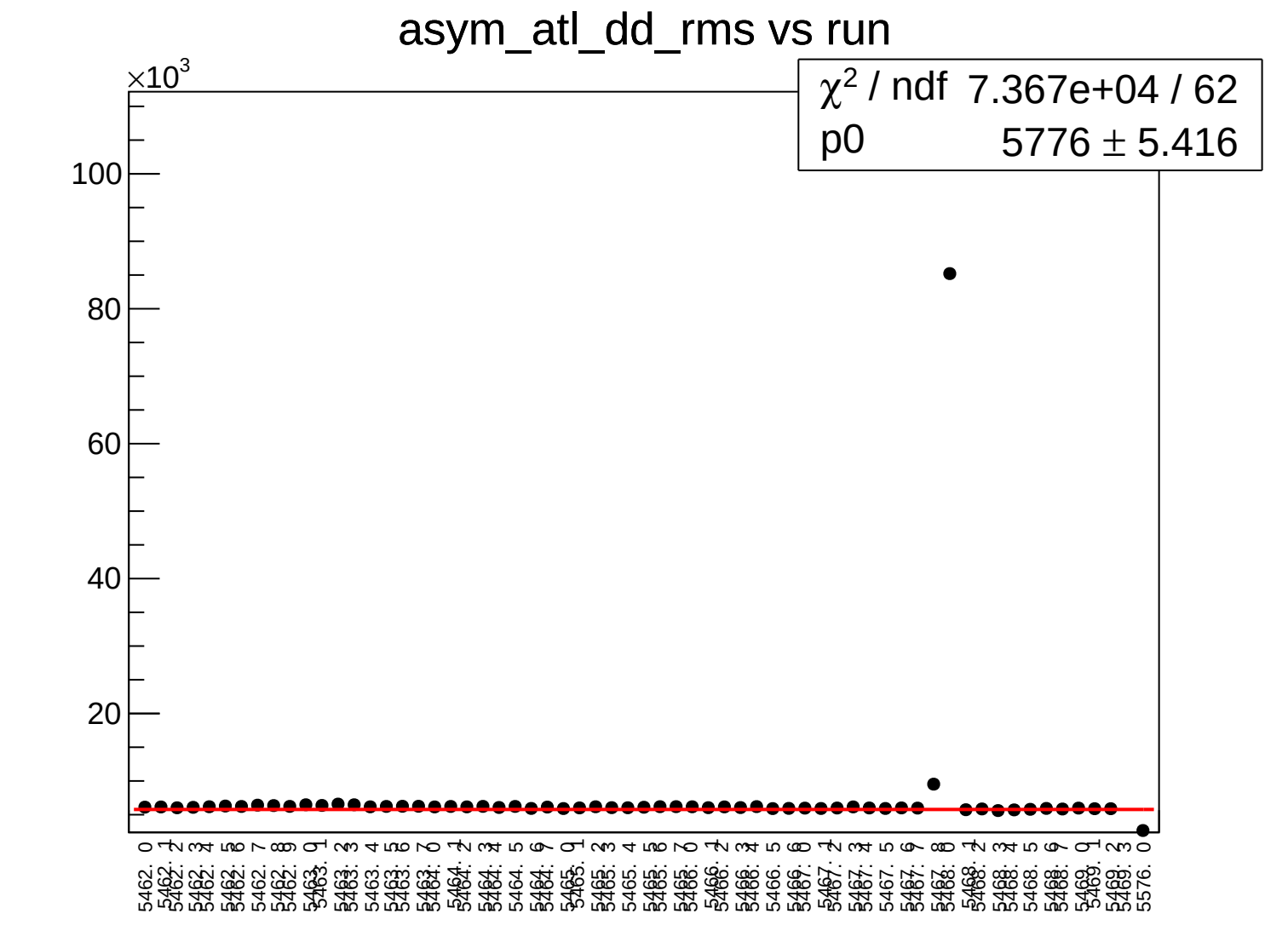

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 72.19 / 62
p0 2872 ± 6811
pull
Entries 63
Mean 760.1
Std Dev 0

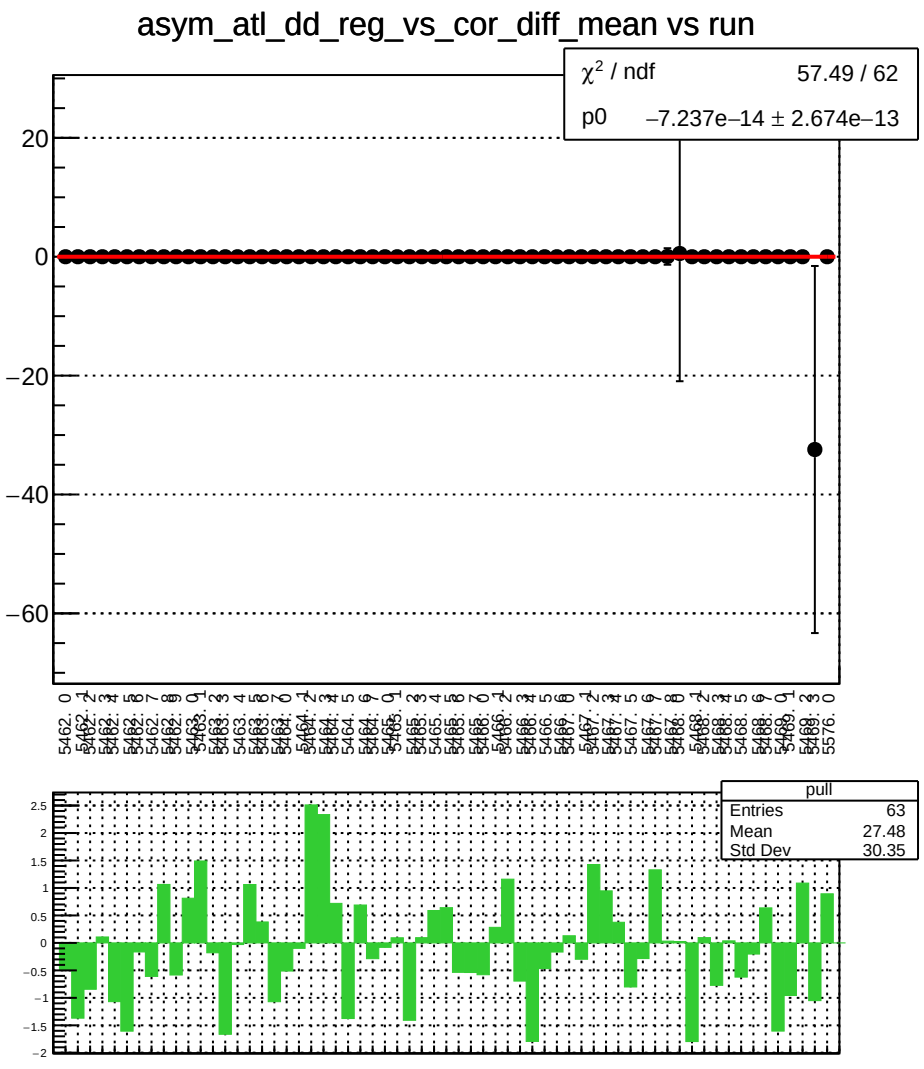

pull1D
Entries 63
Mean −0.002649
Std Dev 1.07

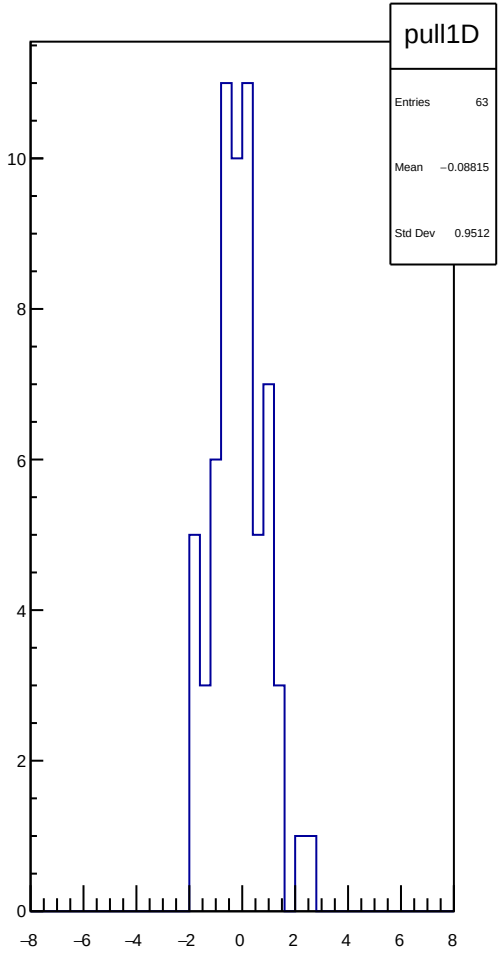

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 6524 / 62
p0 5285 ± 4.816
6000
5500
5000
4500
4000
3500

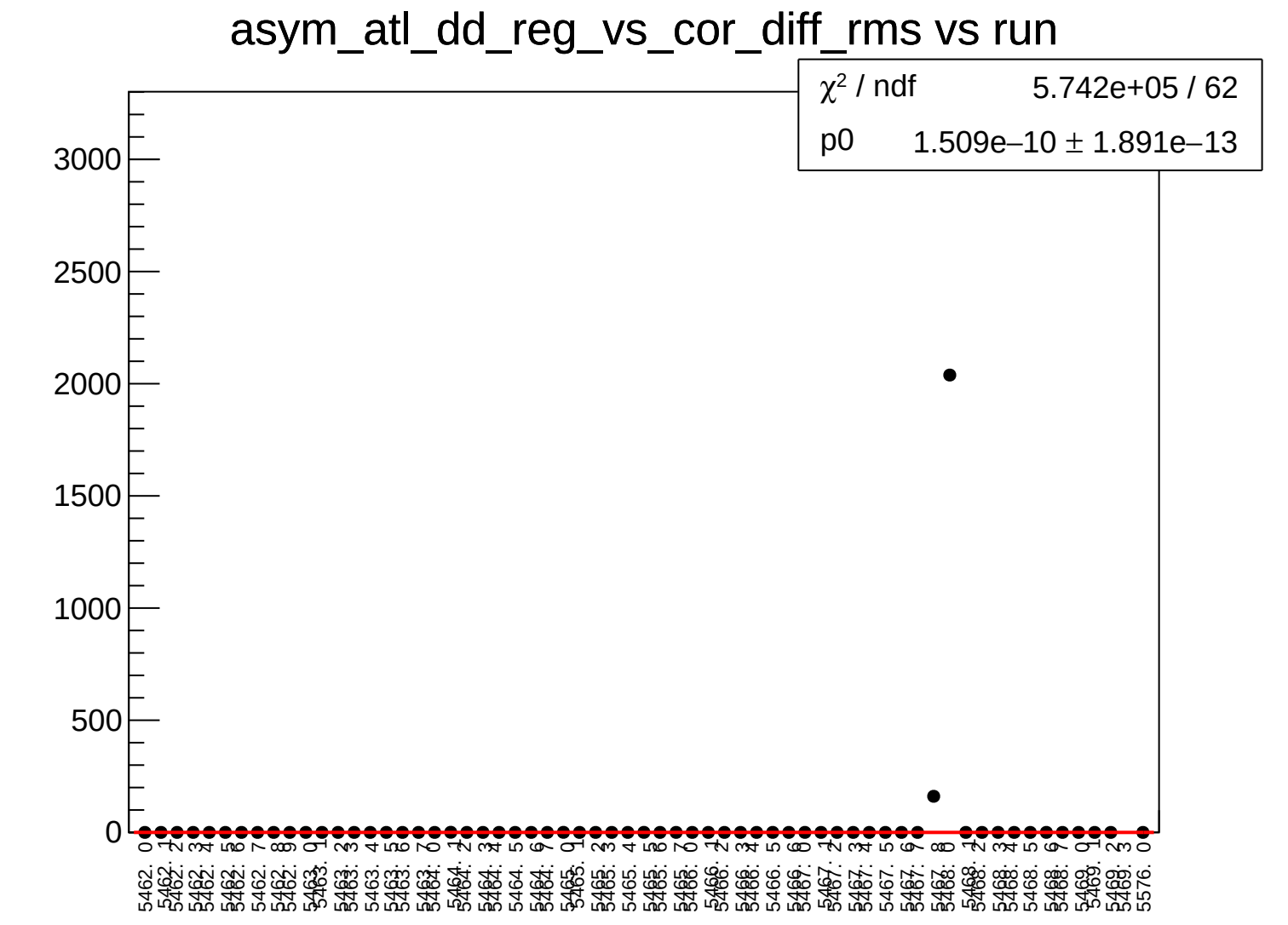

asym_atl_dd_mean vs run
×10^3
χ² / ndf 71.31 / 60
p0 −4692 ± 7660
300
200
100
0
−100
−200
pull
Entries 61
Mean 75.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

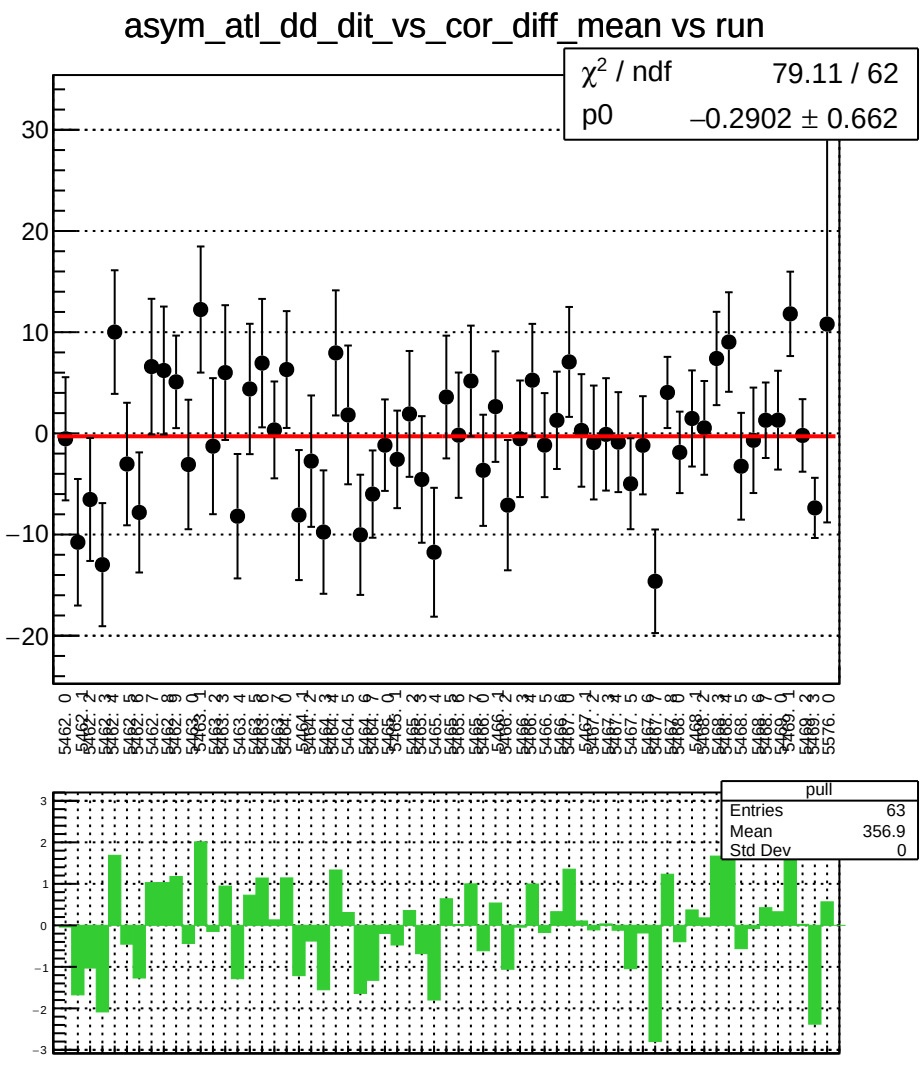

pull1D
Entries 61
Mean 0.03858
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

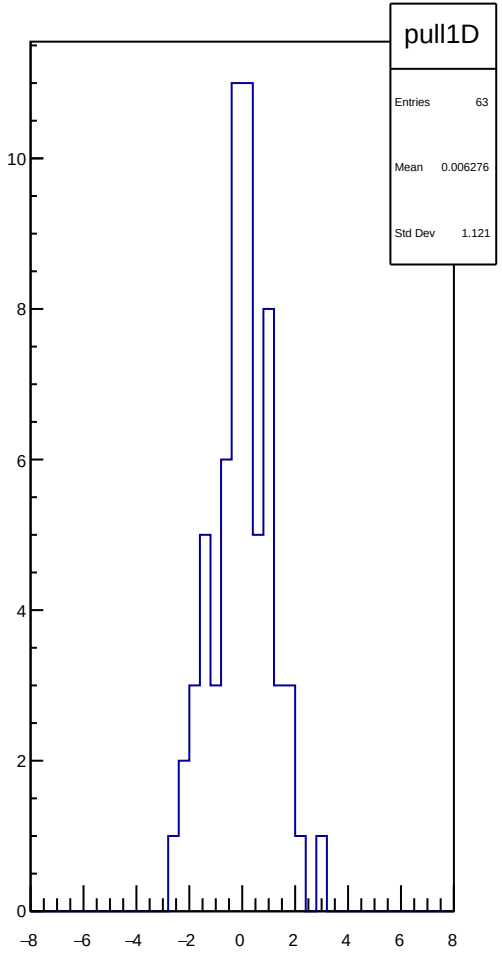

asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 7.367e+04 / 62
p0 5776 ± 5.416
100
80
60
40
20

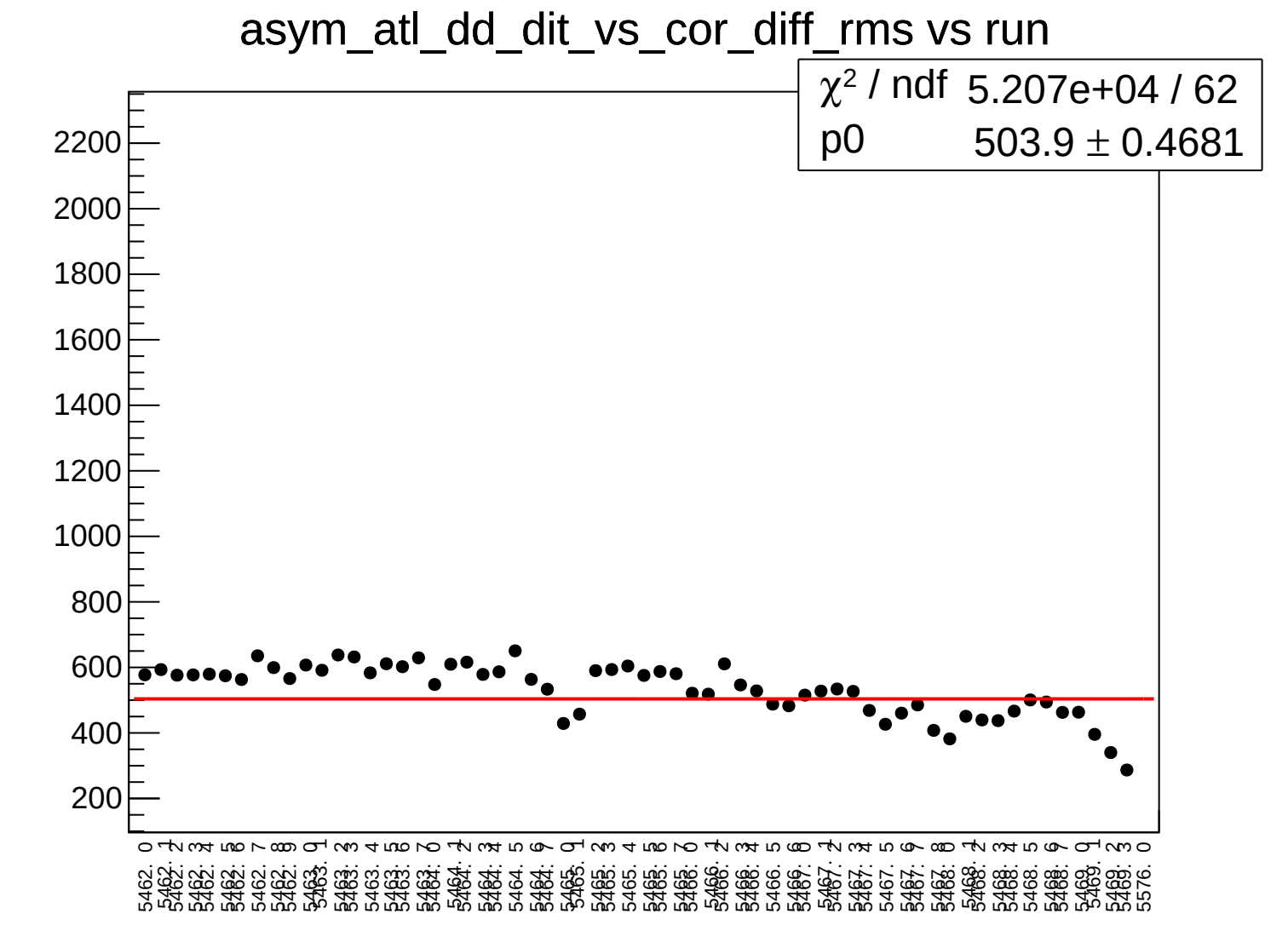

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.49 / 62
p0 −7.237e−14 ± 2.674e−13
pull
Entries 63
Mean 27.48
Std Dev 30.35

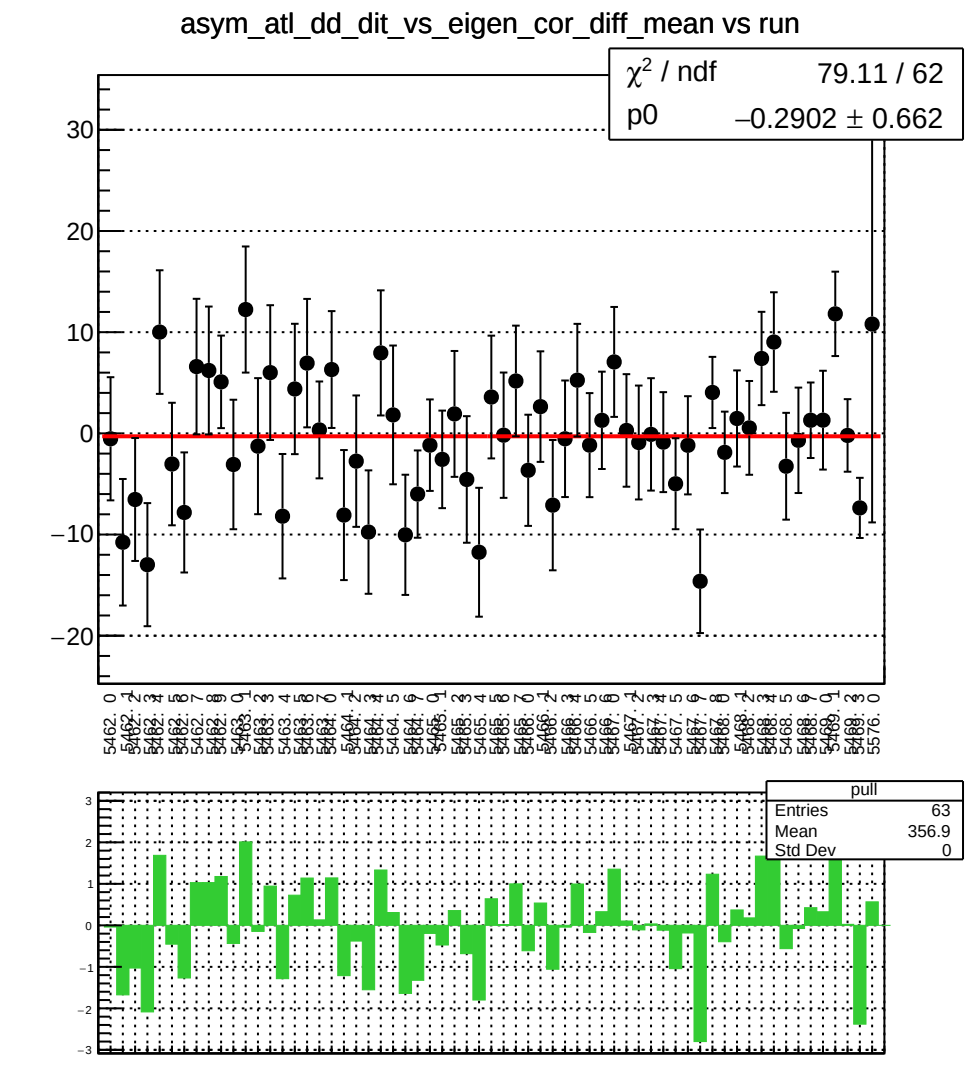

pull1D
Entries 63
Mean −0.08815
Std Dev 0.9512

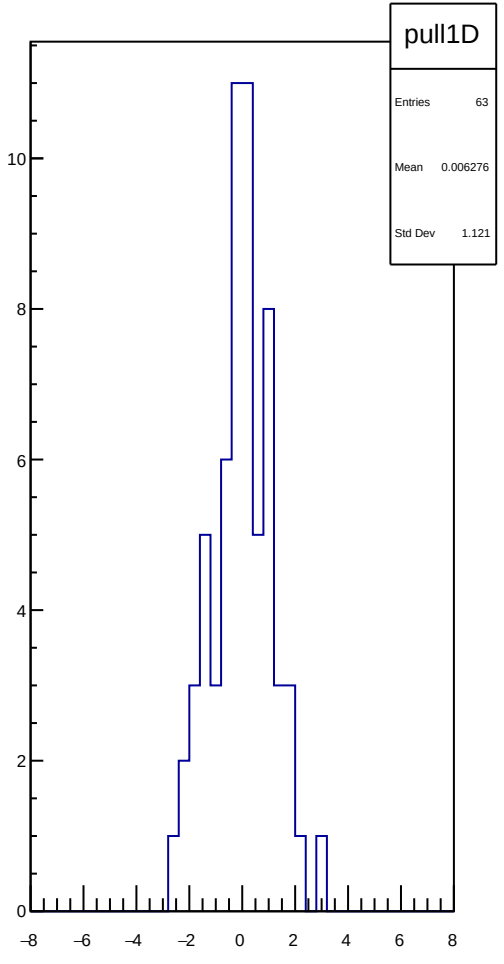

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.742e+05 / 62
p0 1.509e−10 ± 1.891e−13
3000
2500
2000
1500
1000
500
0

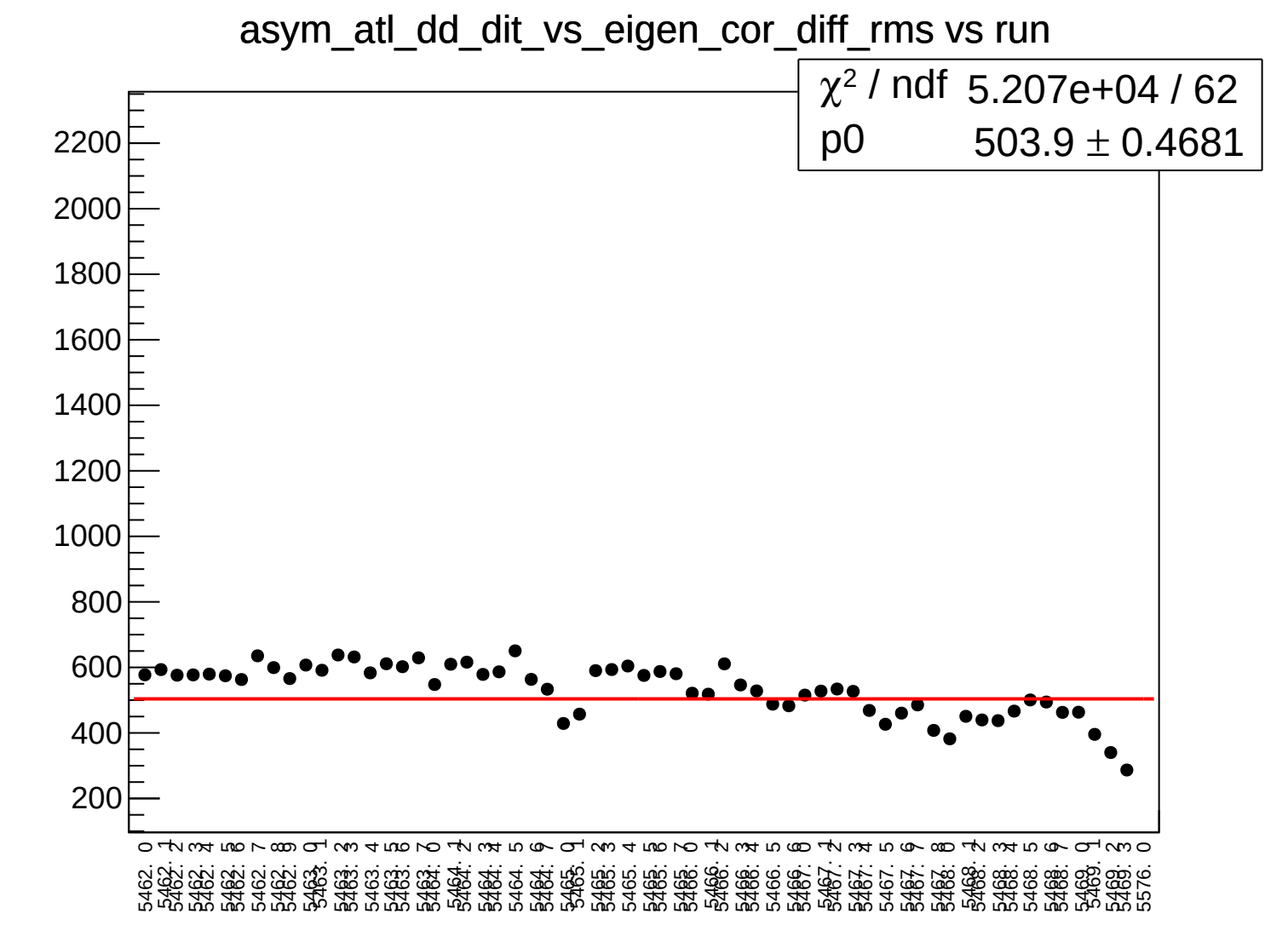

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.11 / 62
p0 −0.2902 ± 0.662
pull
Entries 63
Mean 356.9
Std Dev 0

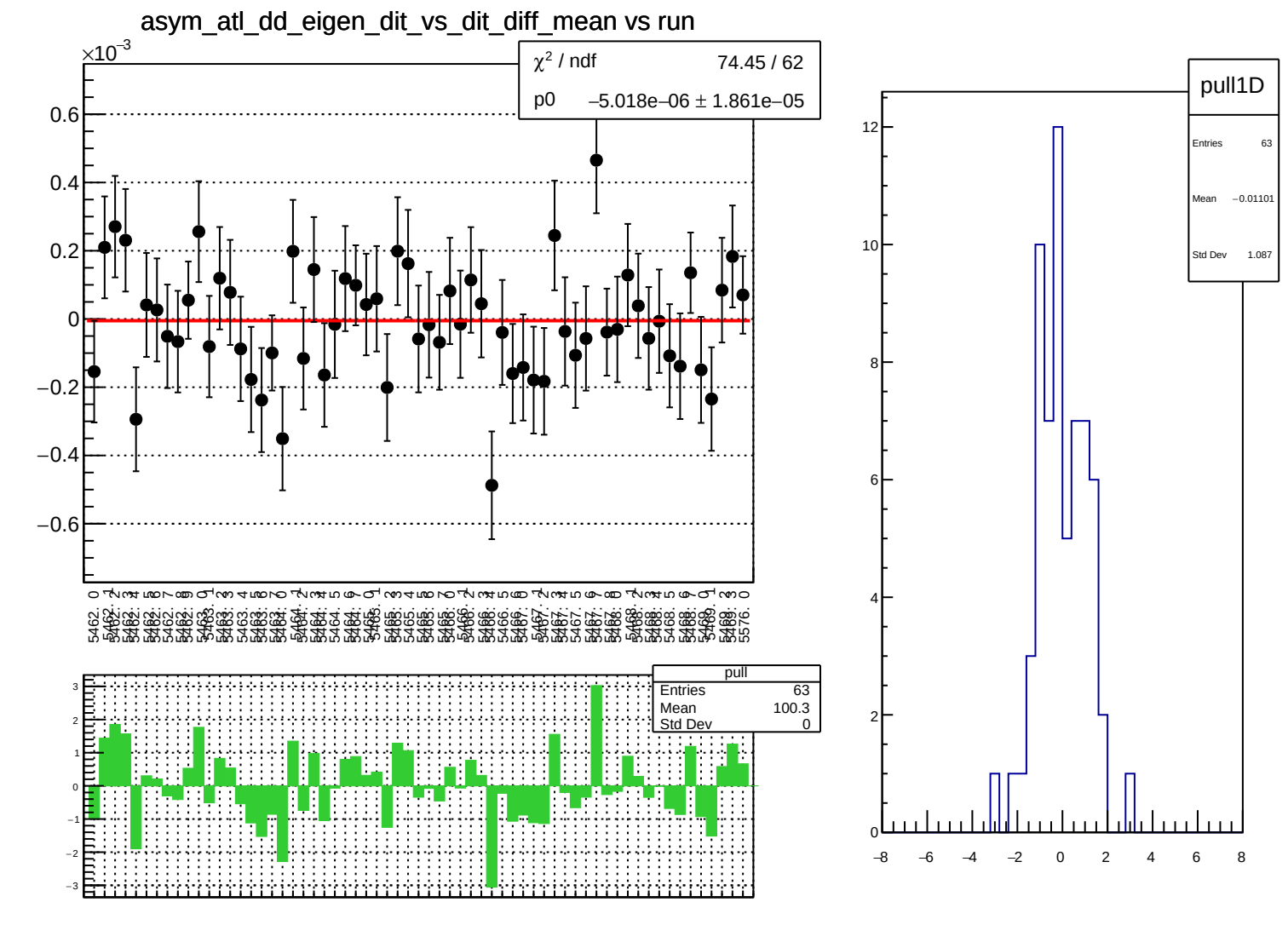

pull1D
Entries 63
Mean 0.006276
Std Dev 1.121

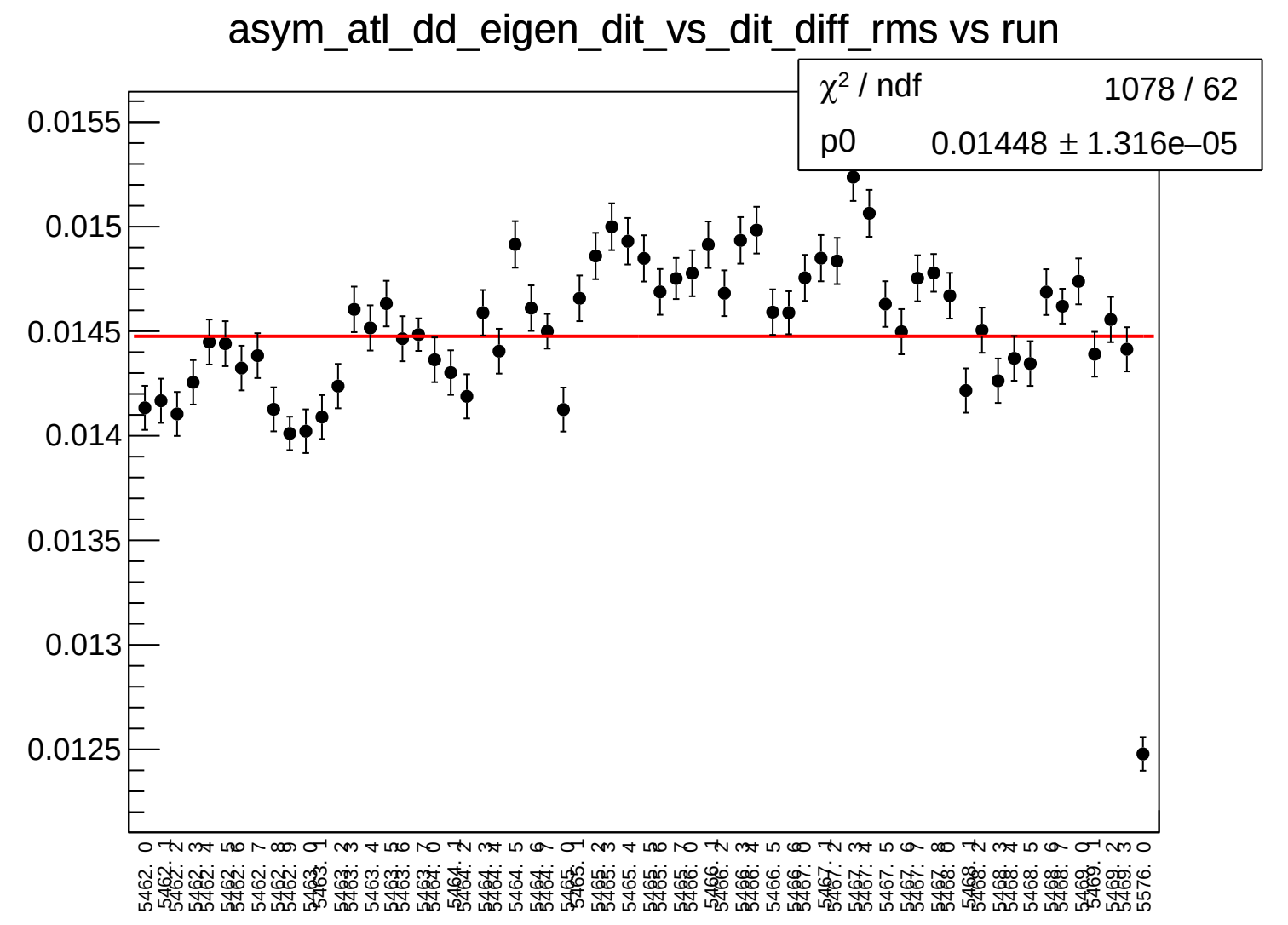

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.207e+04 / 62
p0 503.9 ± 0.4681
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

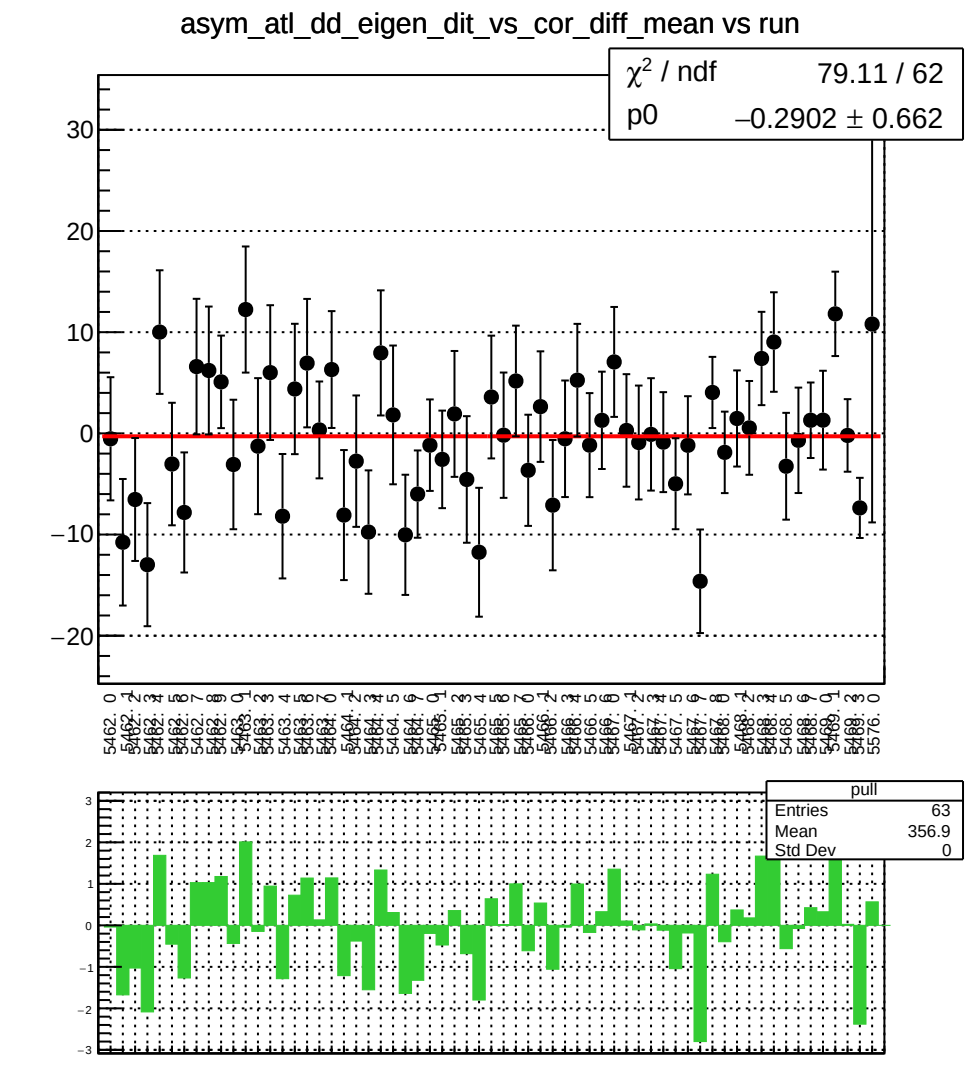

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.11 / 62
p0 −0.2902 ± 0.662
pull
Entries 63
Mean 356.9
Std Dev 0

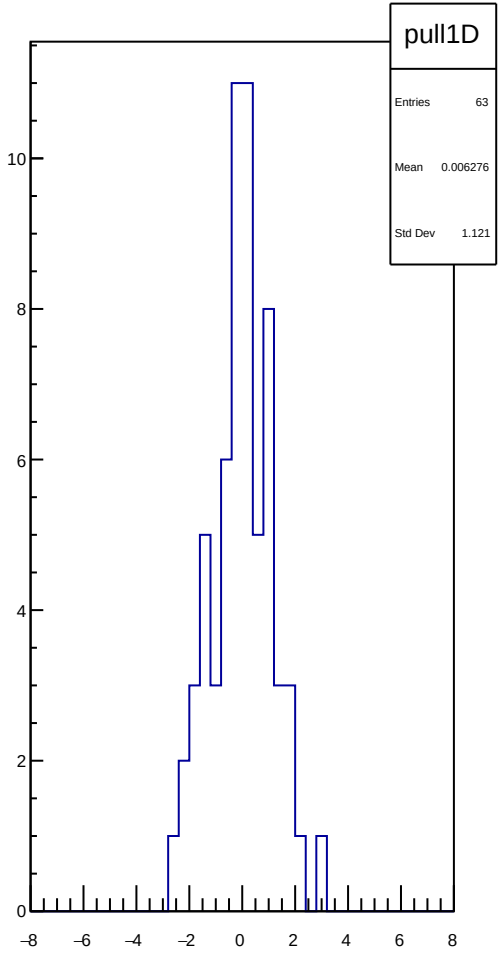

pull1D
Entries 63
Mean 0.006276
Std Dev 1.121

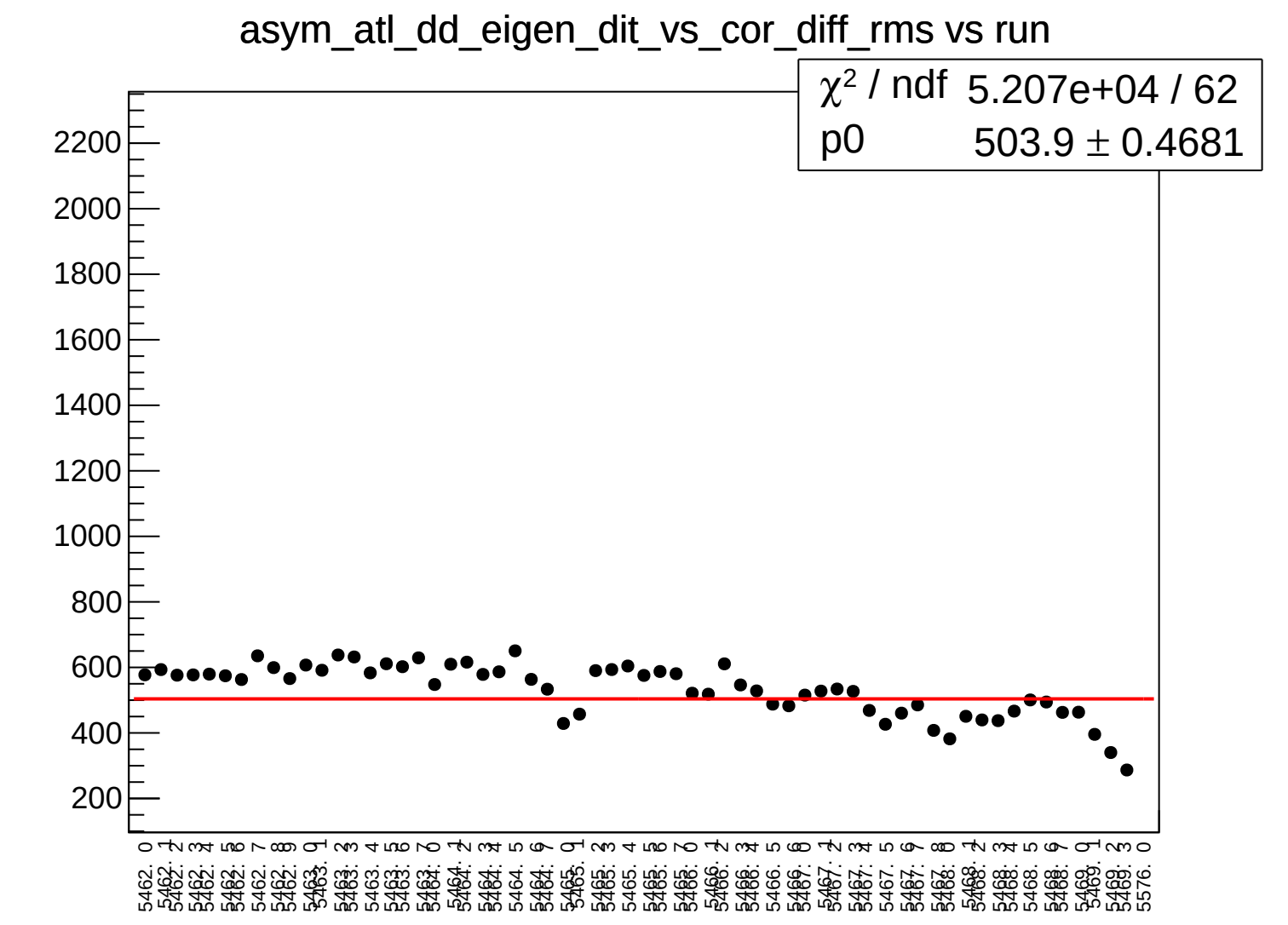

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.207e+04 / 62
p0 503.9 ± 0.4681
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

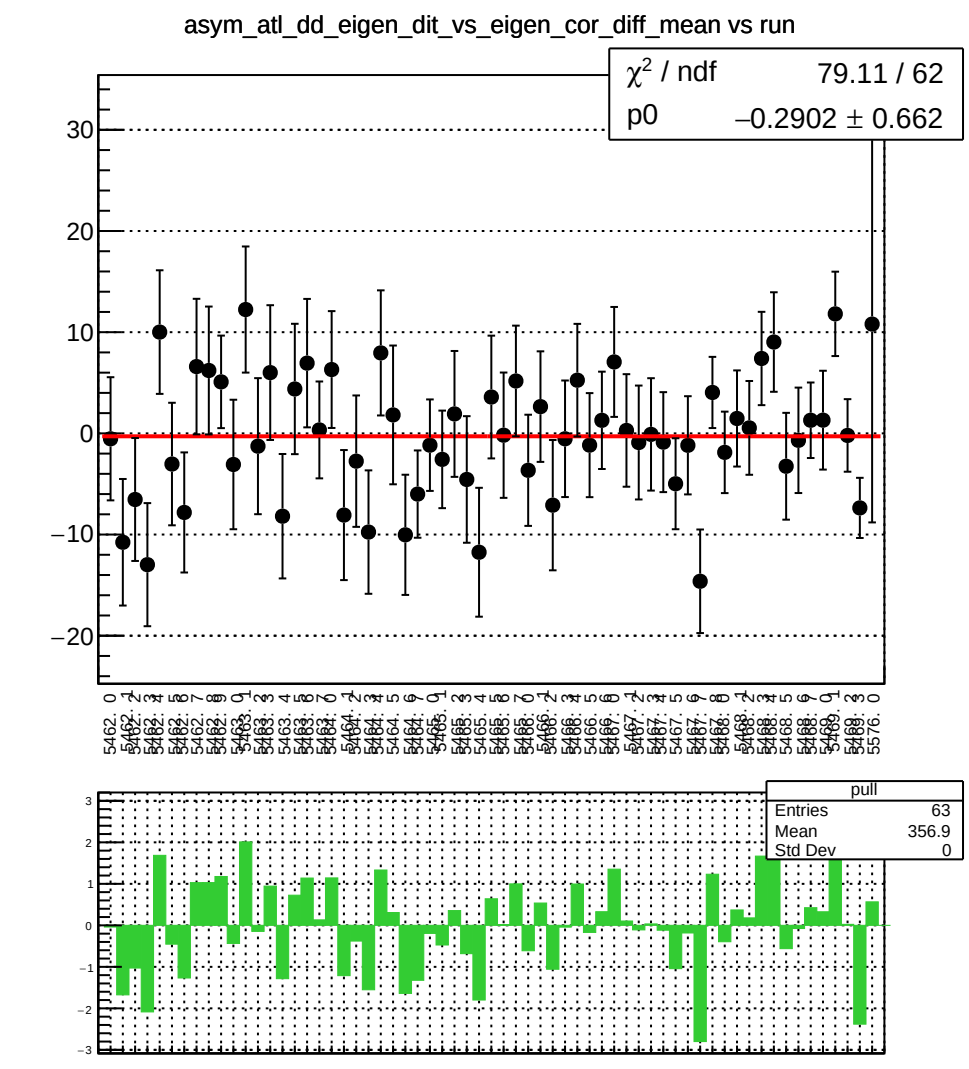

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.45 / 62
p0 −5.018e−06 ± 1.861e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 63
Mean 100.3
Std Dev 0
pull1D
Entries 63
Mean −0.01101
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

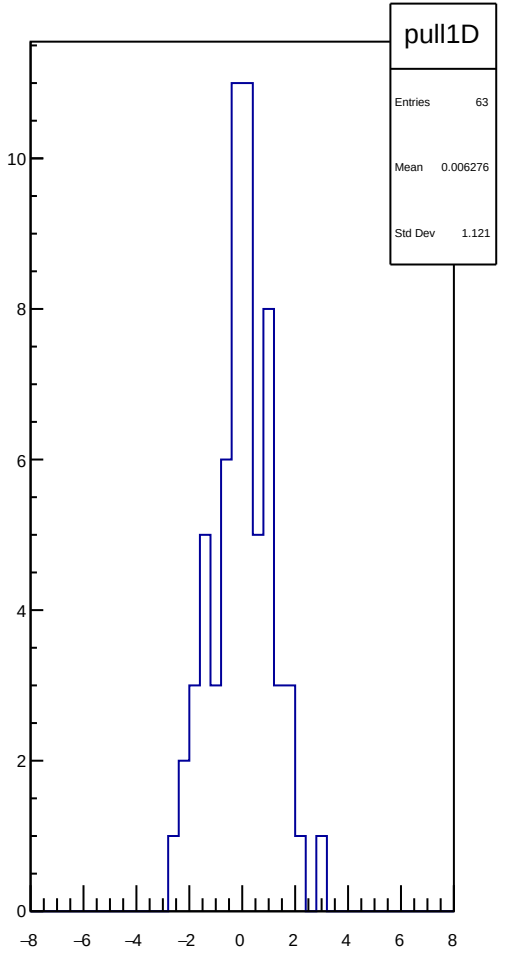

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1078 / 62
p0 0.01448 ± 1.316e−05
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125

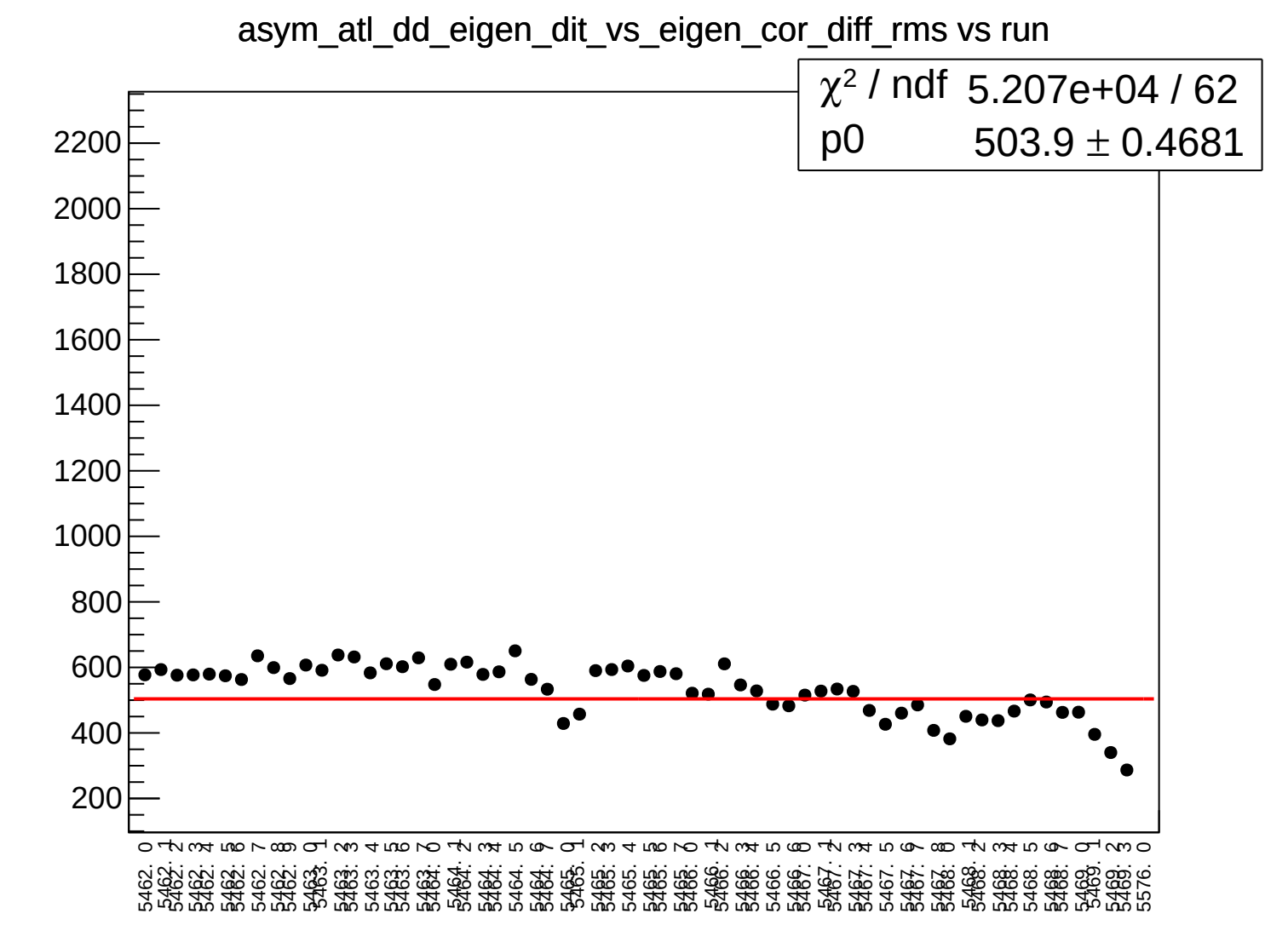

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.11 / 62
p0 −0.2902 ± 0.662
pull
Entries 63
Mean 356.9
Std Dev 0

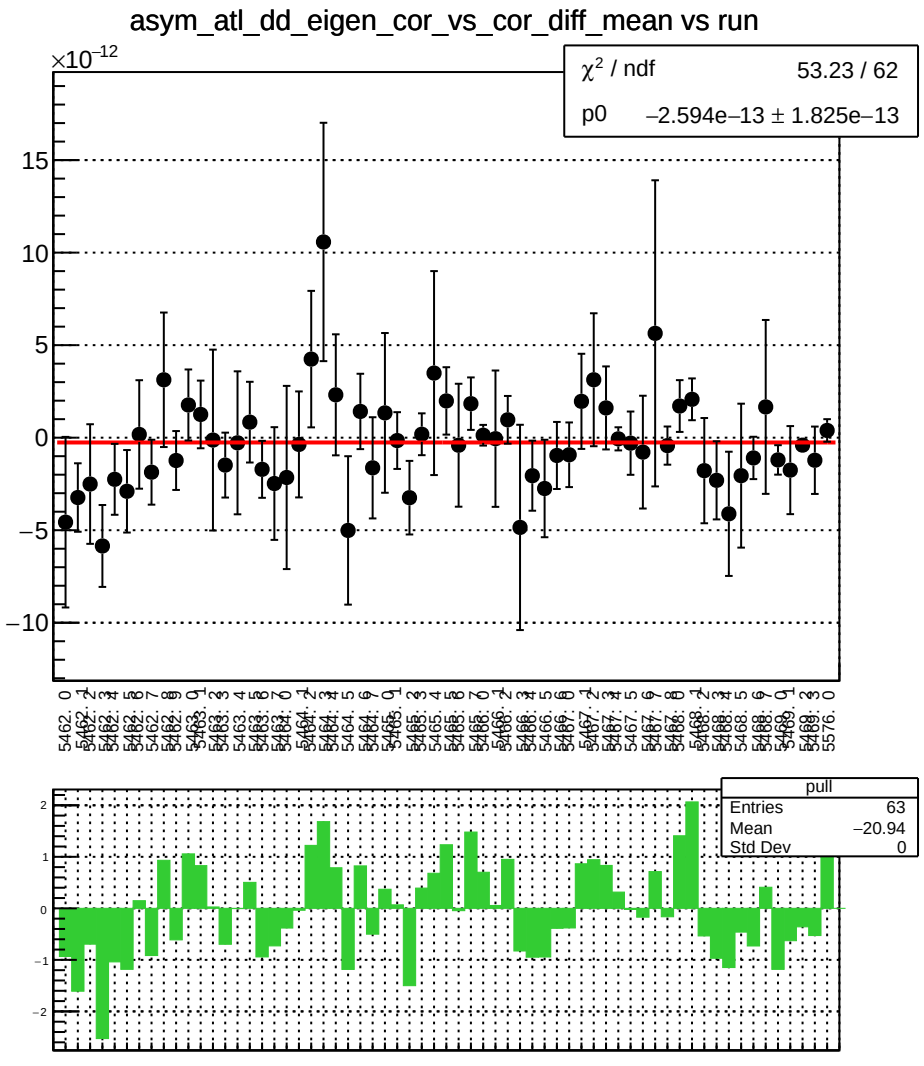

pull1D
Entries 63
Mean 0.006276
Std Dev 1.121

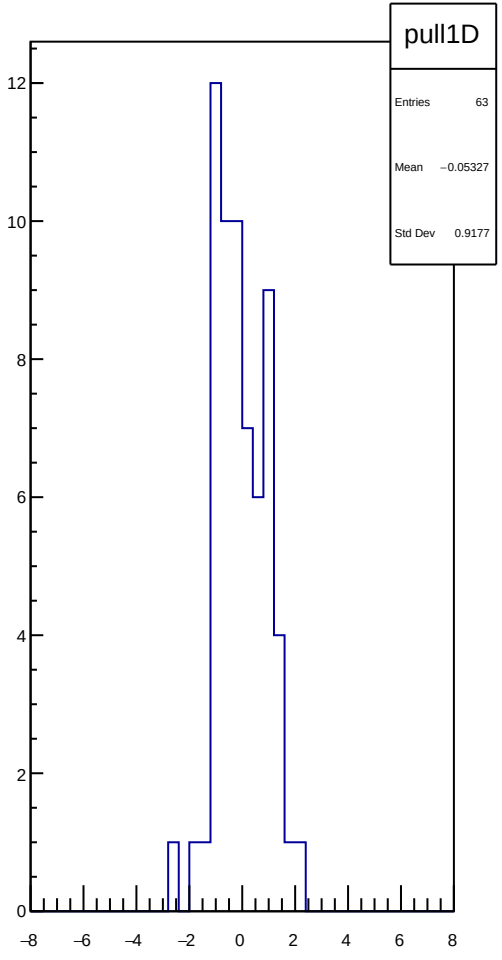

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.207e+04 / 62
p0 503.9 ± 0.4681
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

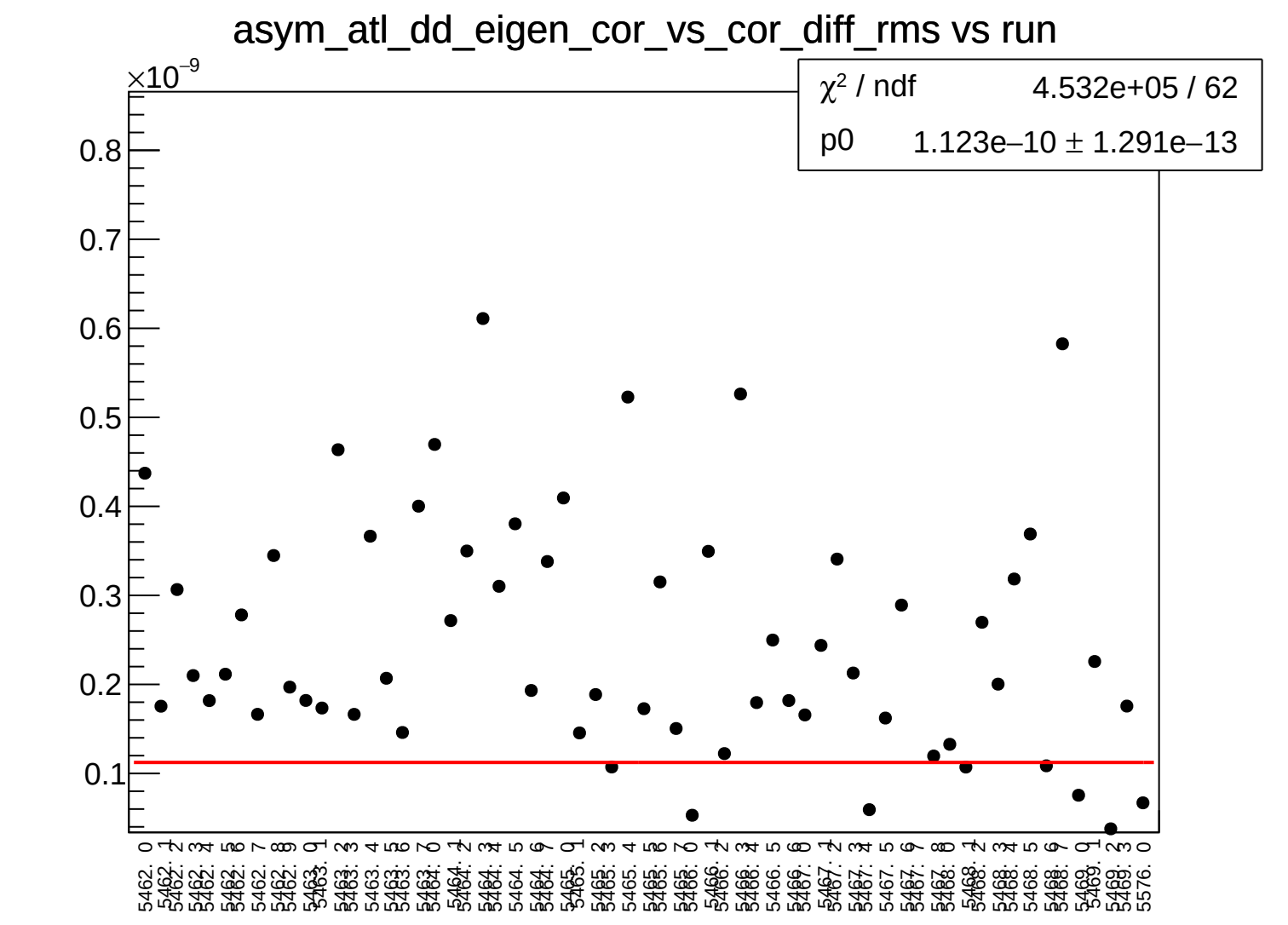

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.11 / 62
p0 −0.2902 ± 0.662
pull
Entries 63
Mean 356.9
Std Dev 0

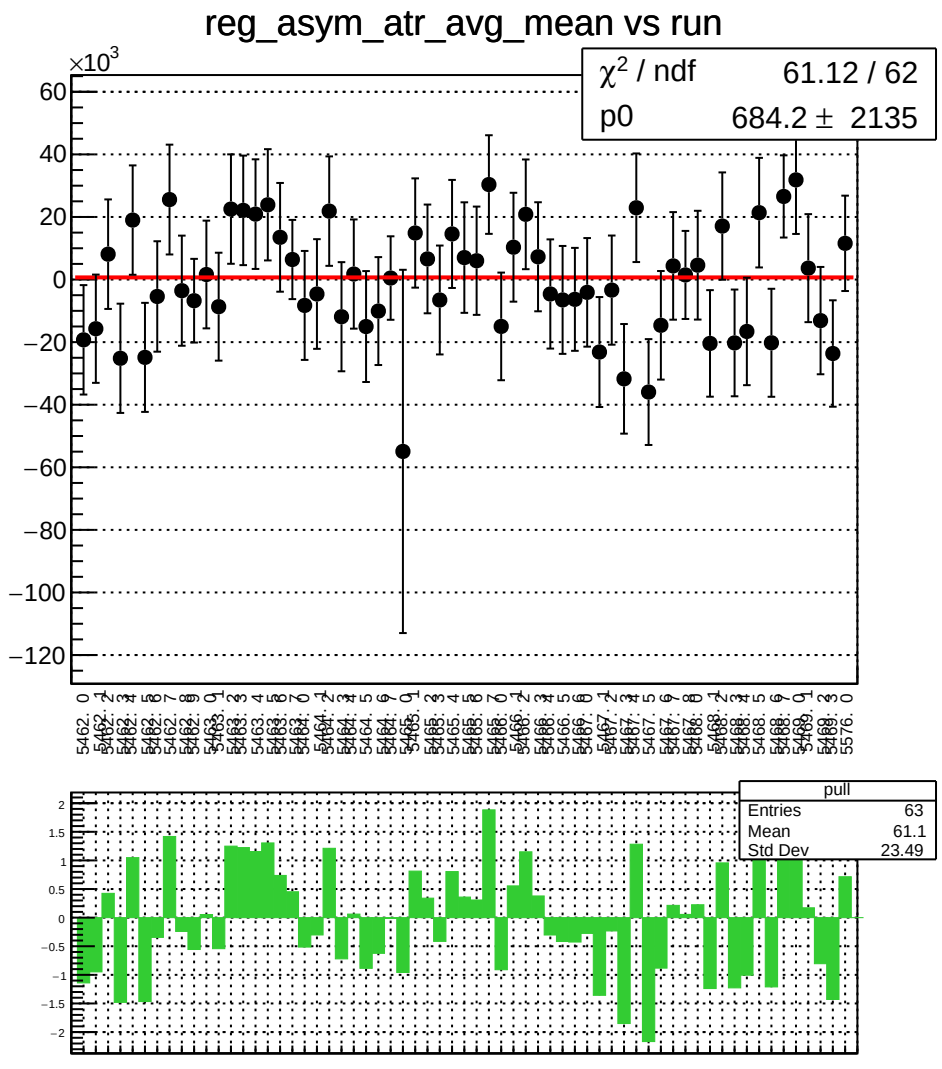

pull1D
Entries 63
Mean 0.006276
Std Dev 1.121

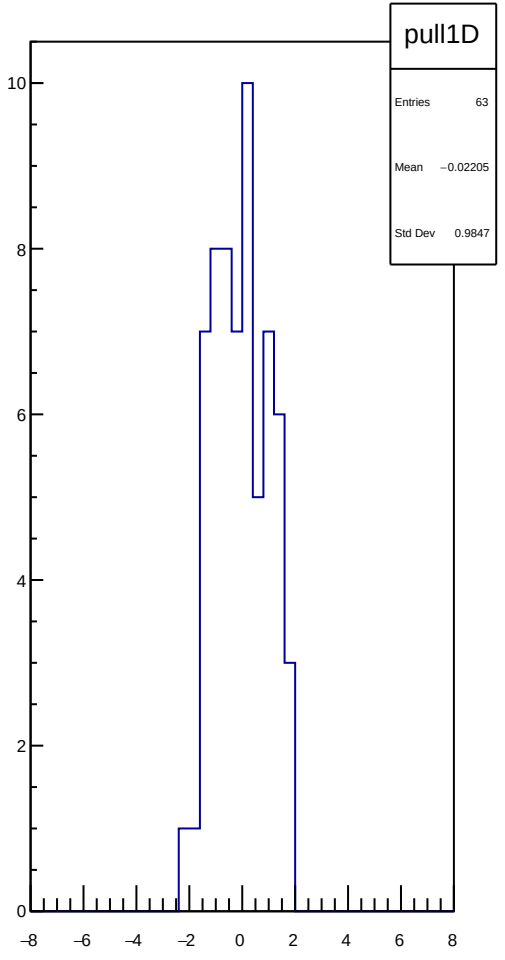

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.207e+04 / 62
p0 503.9 ± 0.4681
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

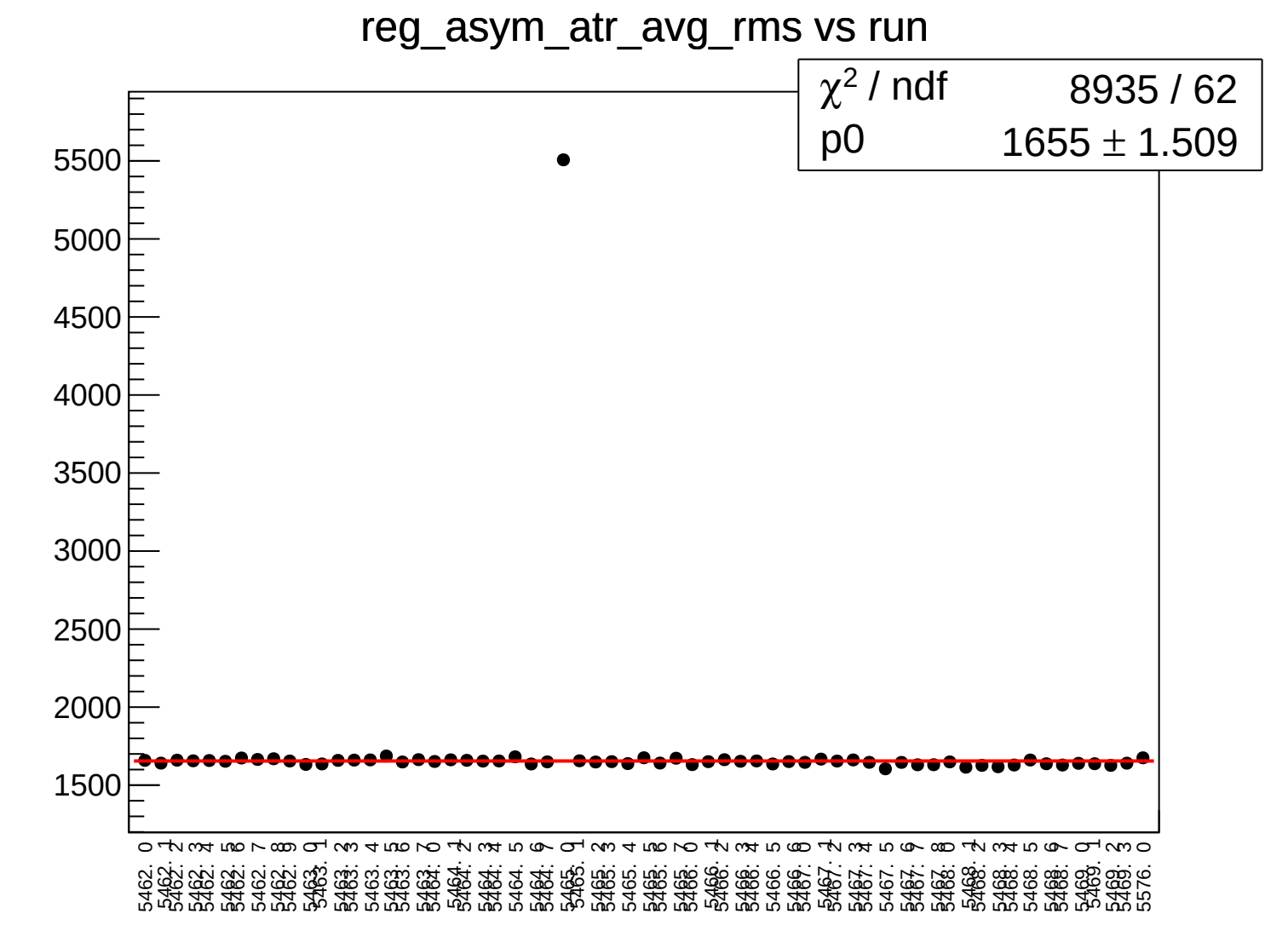

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.23 / 62
p0 −2.594e−13 ± 1.825e−13
pull
Entries 63
Mean −20.94
Std Dev 0

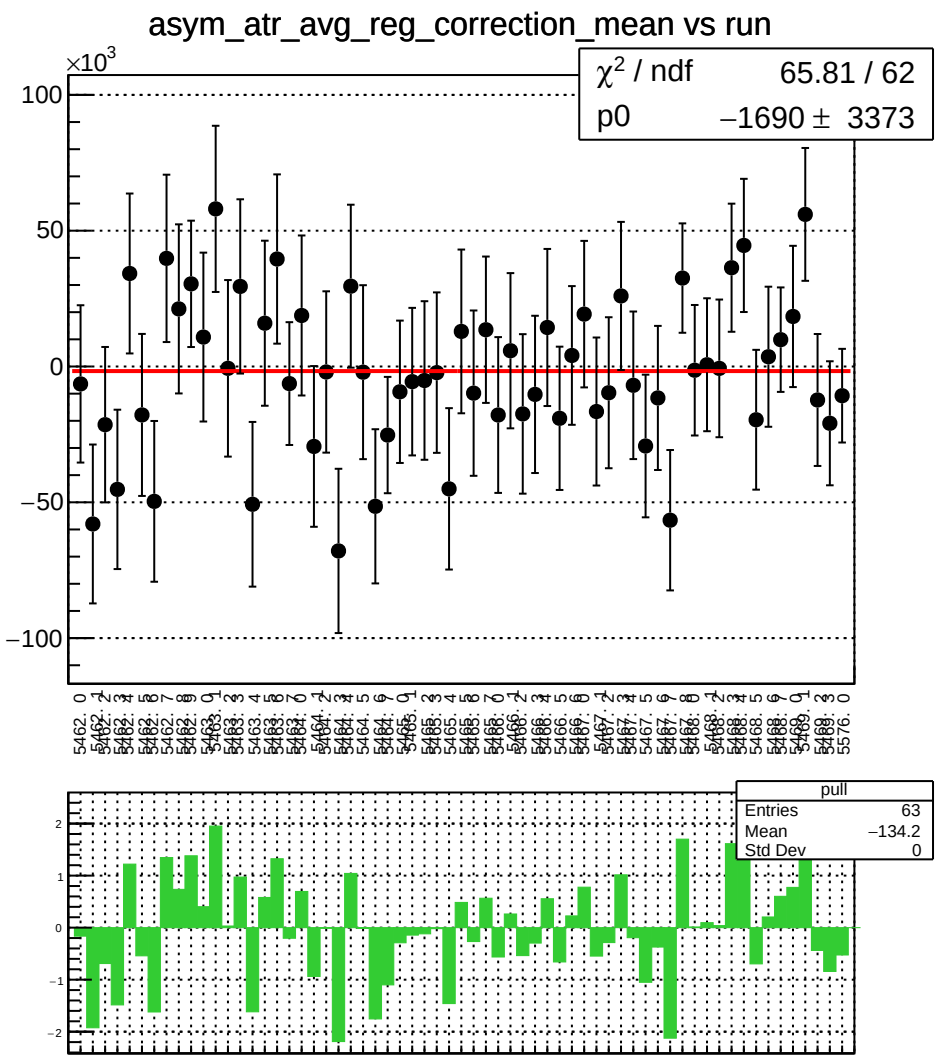

pull1D
Entries 63
Mean −0.05327
Std Dev 0.9177

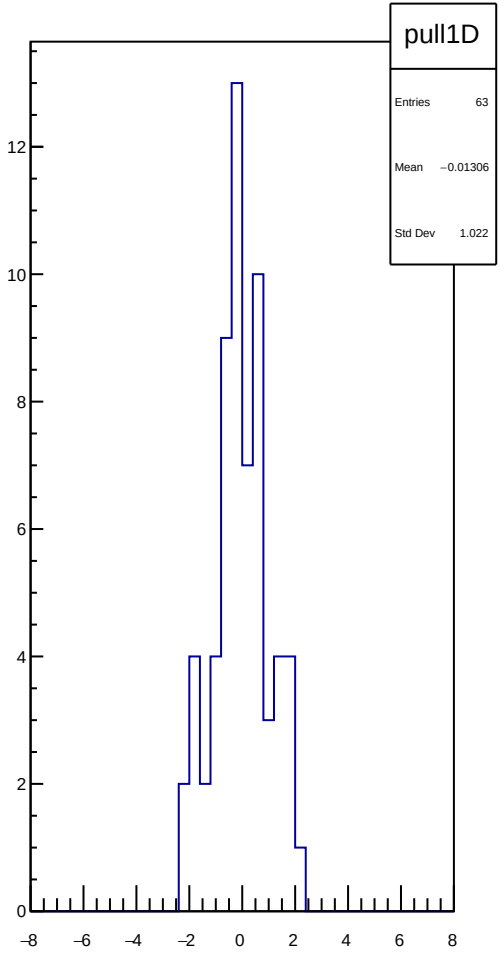

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.532e+05 / 62
p0 1.123e−10 ± 1.291e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

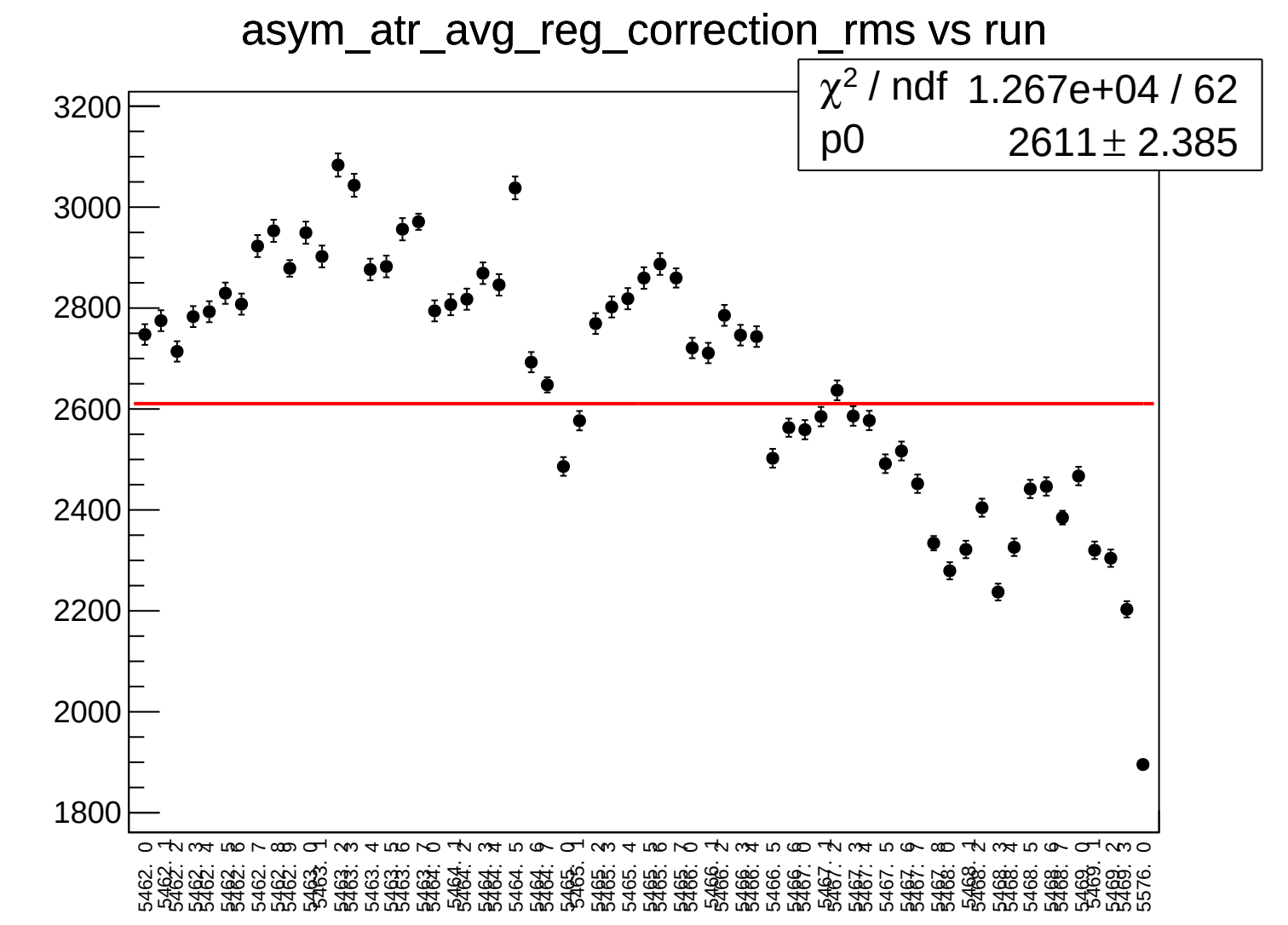

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 61.12 / 62
p0 684.2 ± 2135
pull
Entries 63
Mean 61.1
Std Dev 23.49

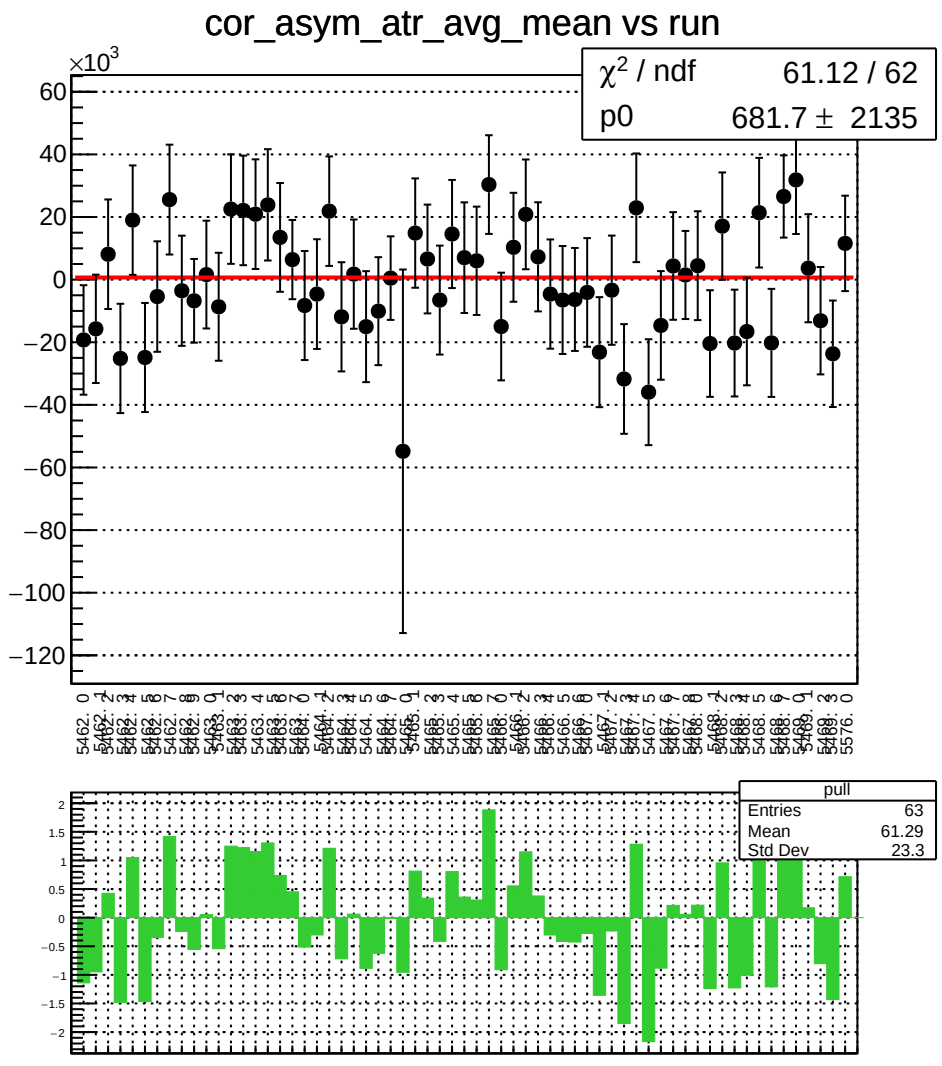

pull1D
Entries 63
Mean −0.02205
Std Dev 0.9847

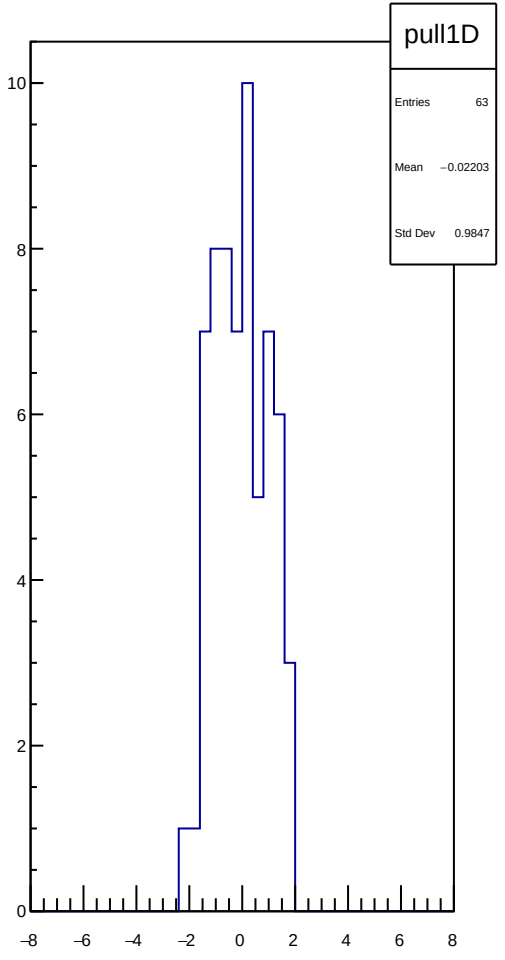

reg_asym_atr_avg_rms vs run
χ^2 / ndf 8935 / 62
p0 1655 ± 1.509
5500
5000
4500
4000
3500
3000
2500
2000
1500

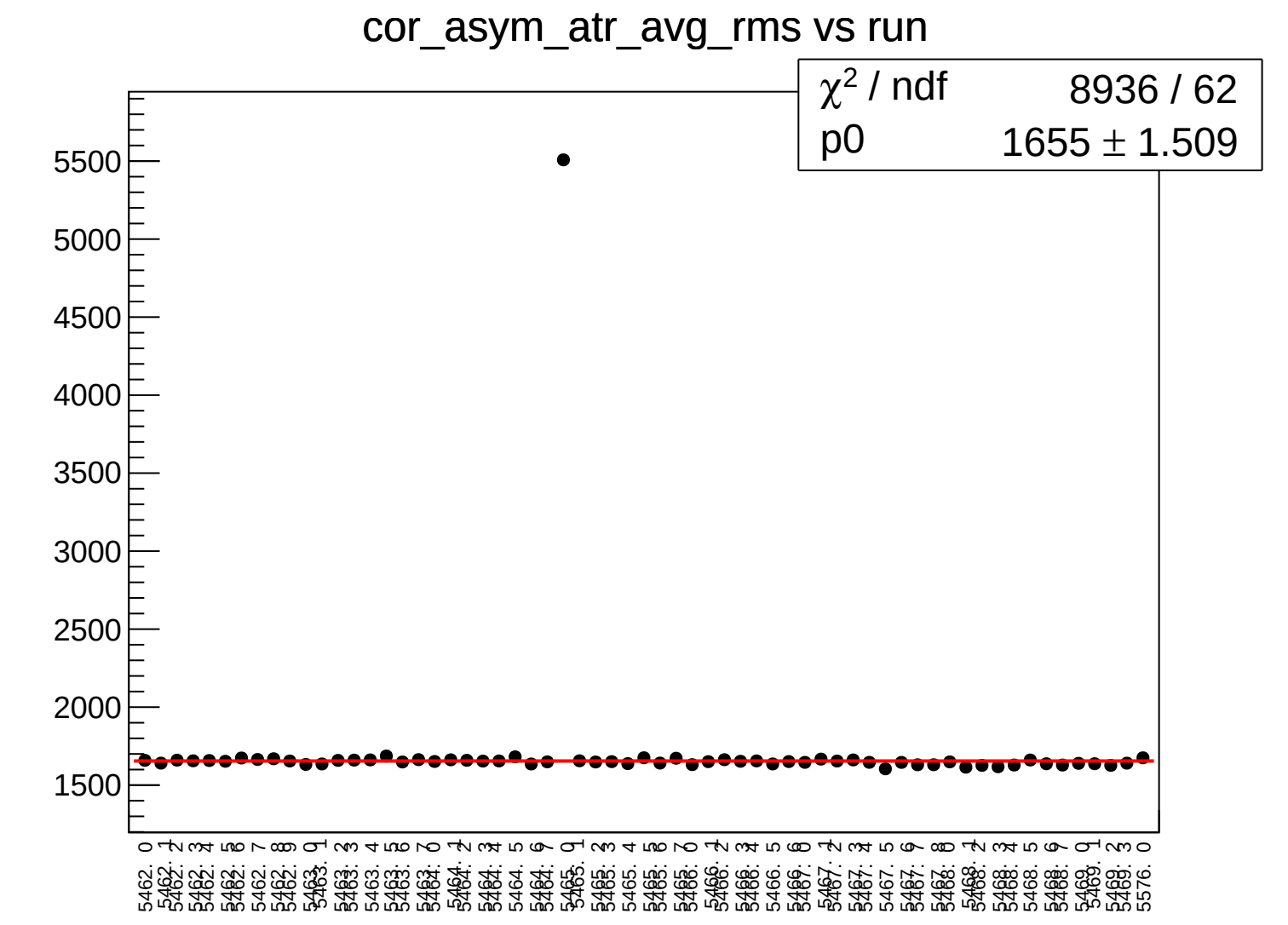

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.81 / 62
p0 −1690 ± 3373
100
50
0
−50
−100
pull
Entries 63
Mean −134.2
Std Dev 0
2
1
0
−1
−2

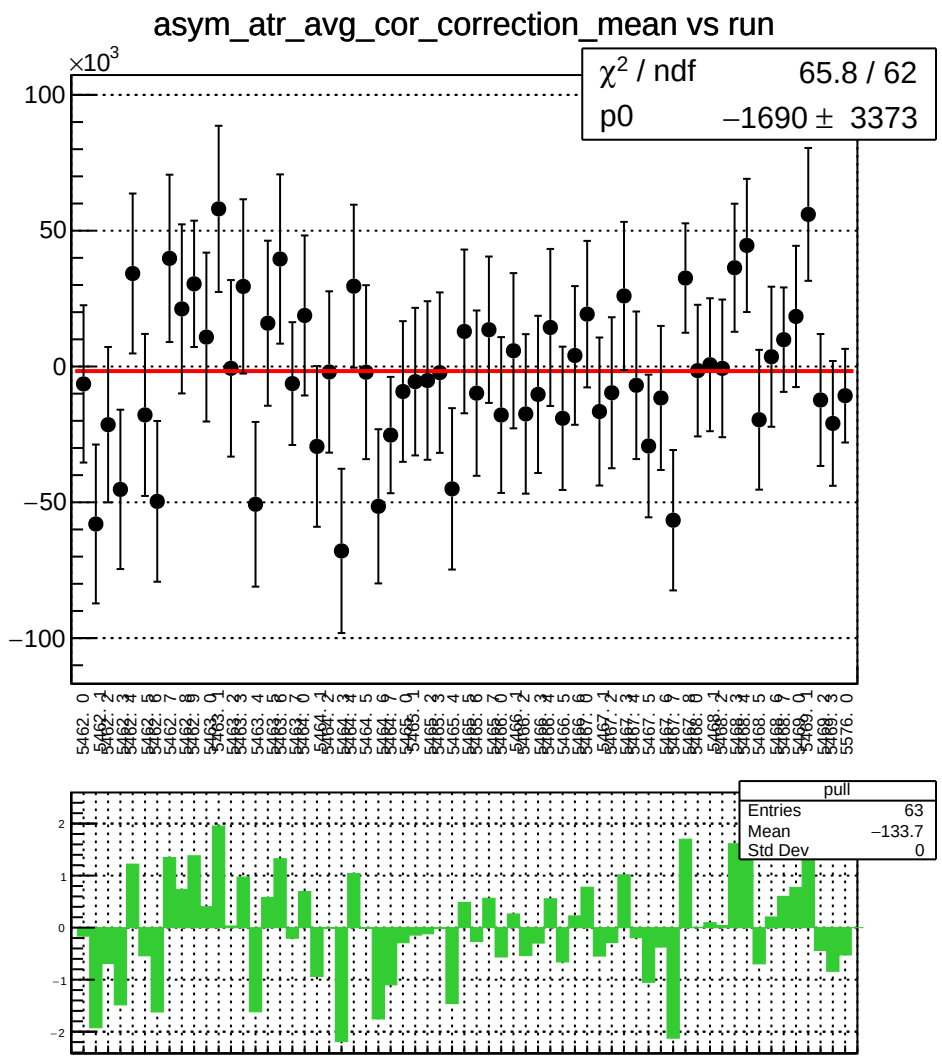

pull1D
Entries 63
Mean −0.01306
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

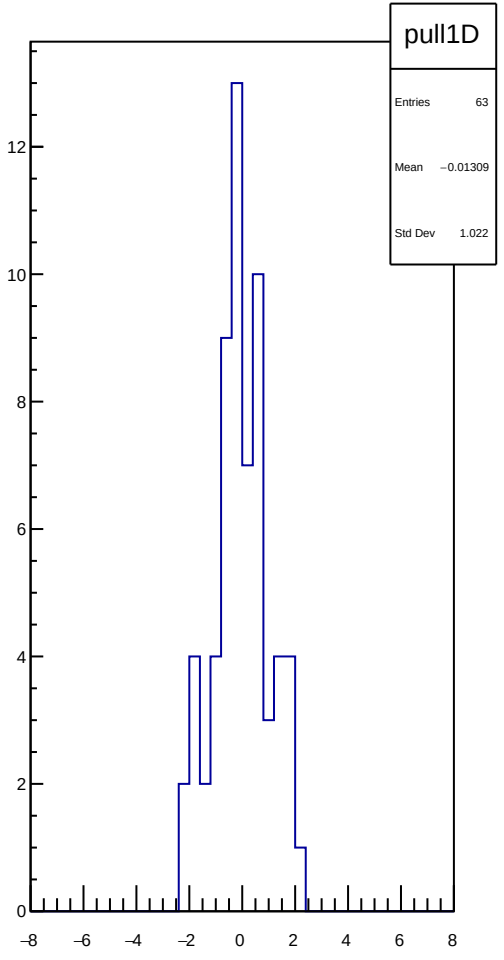

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1.267e+04 / 62
p0 2611 ± 2.385
3200
3000
2800
2600
2400
2200
2000
1800

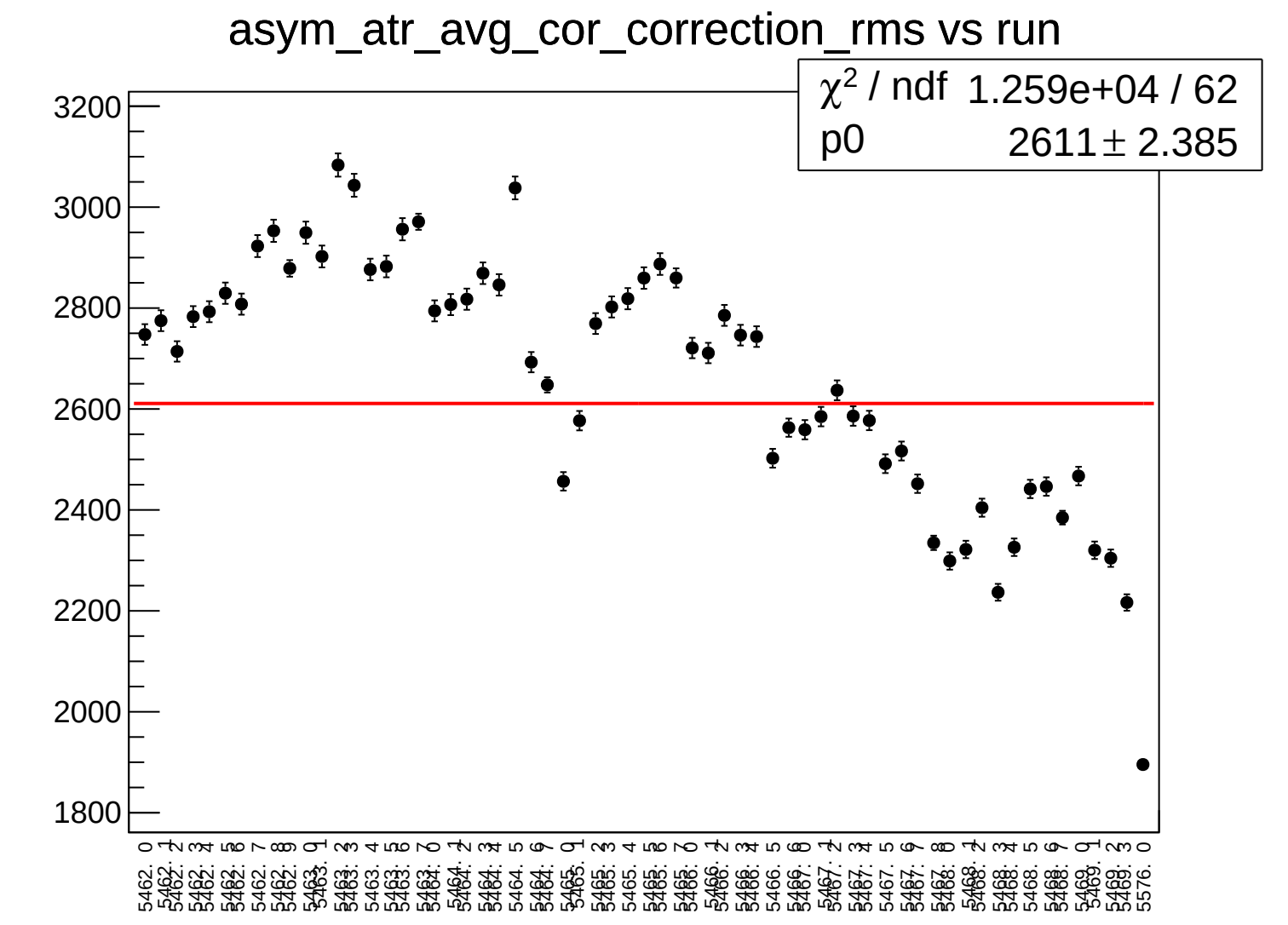

cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 61.12 / 62
p0 681.7 ± 2135
pull
Entries 63
Mean 61.29
Std Dev 23.3

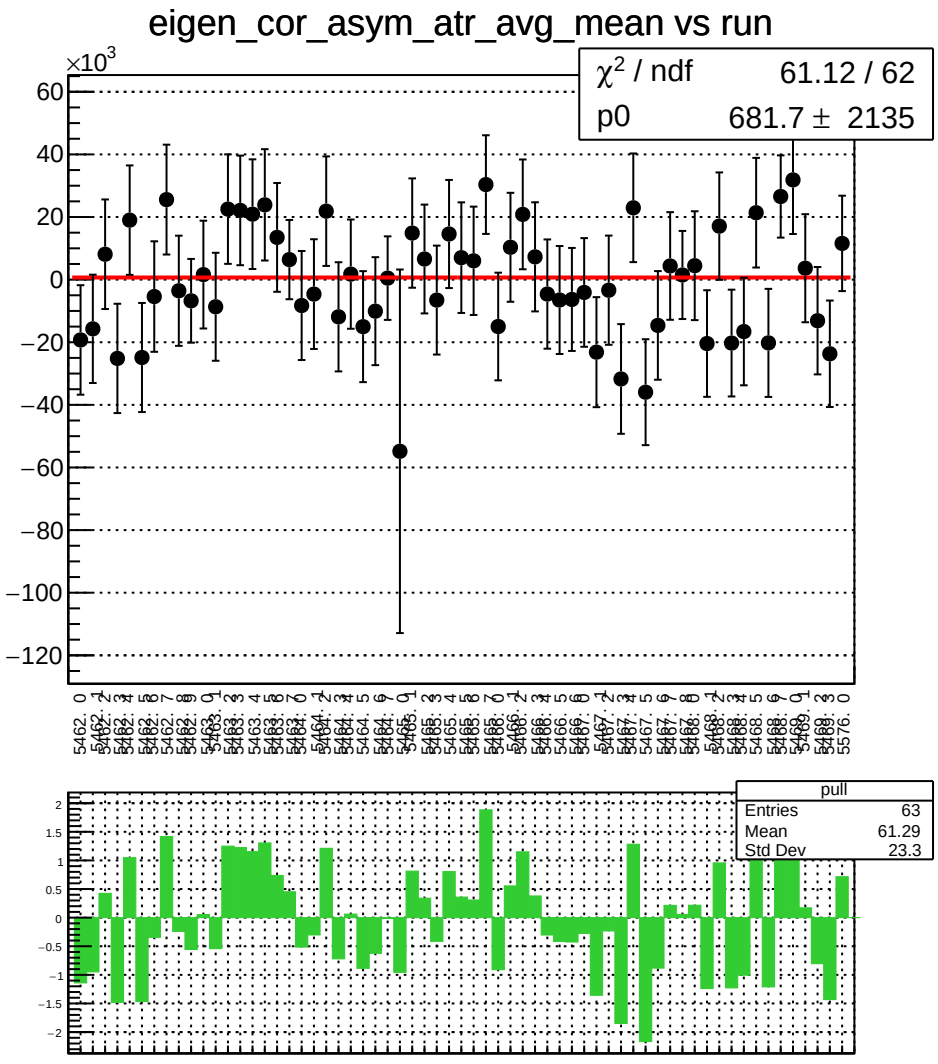

pull1D
Entries 63
Mean −0.02203
Std Dev 0.9847

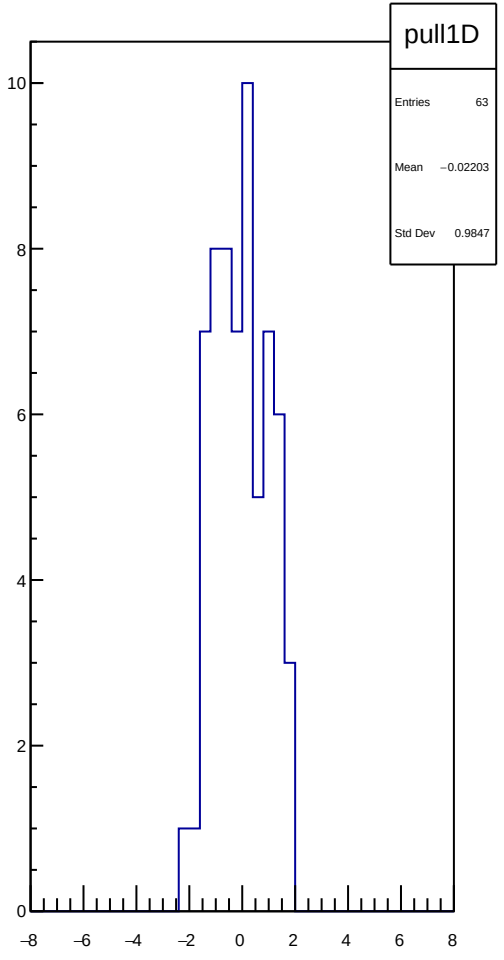

cor_asym_atr_avg_rms vs run
χ² / ndf 8936 / 62
p0 1655 ± 1.509
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

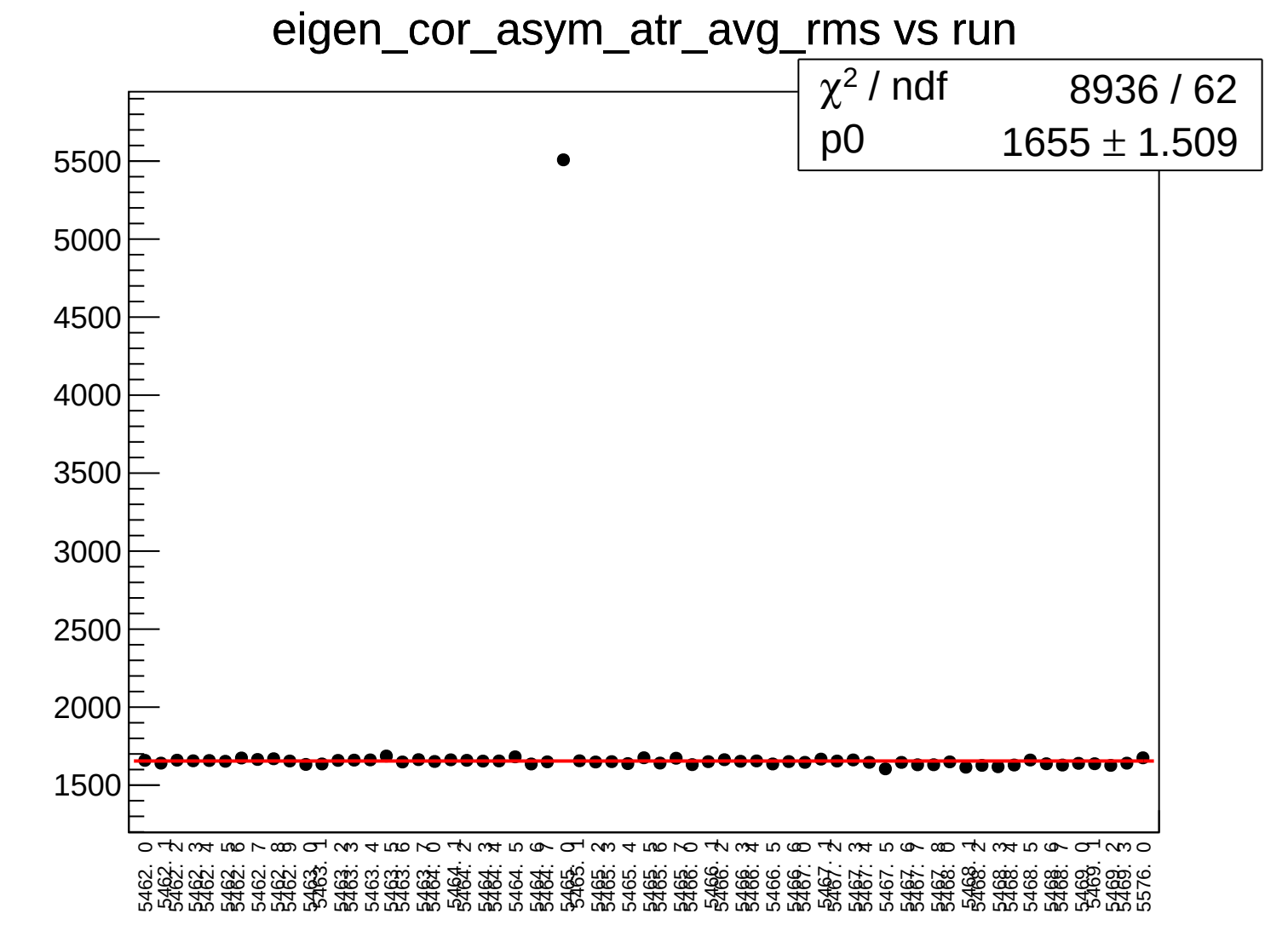

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.8 / 62
p0 −1690 ± 3373
pull
Entries 63
Mean −133.7
Std Dev 0

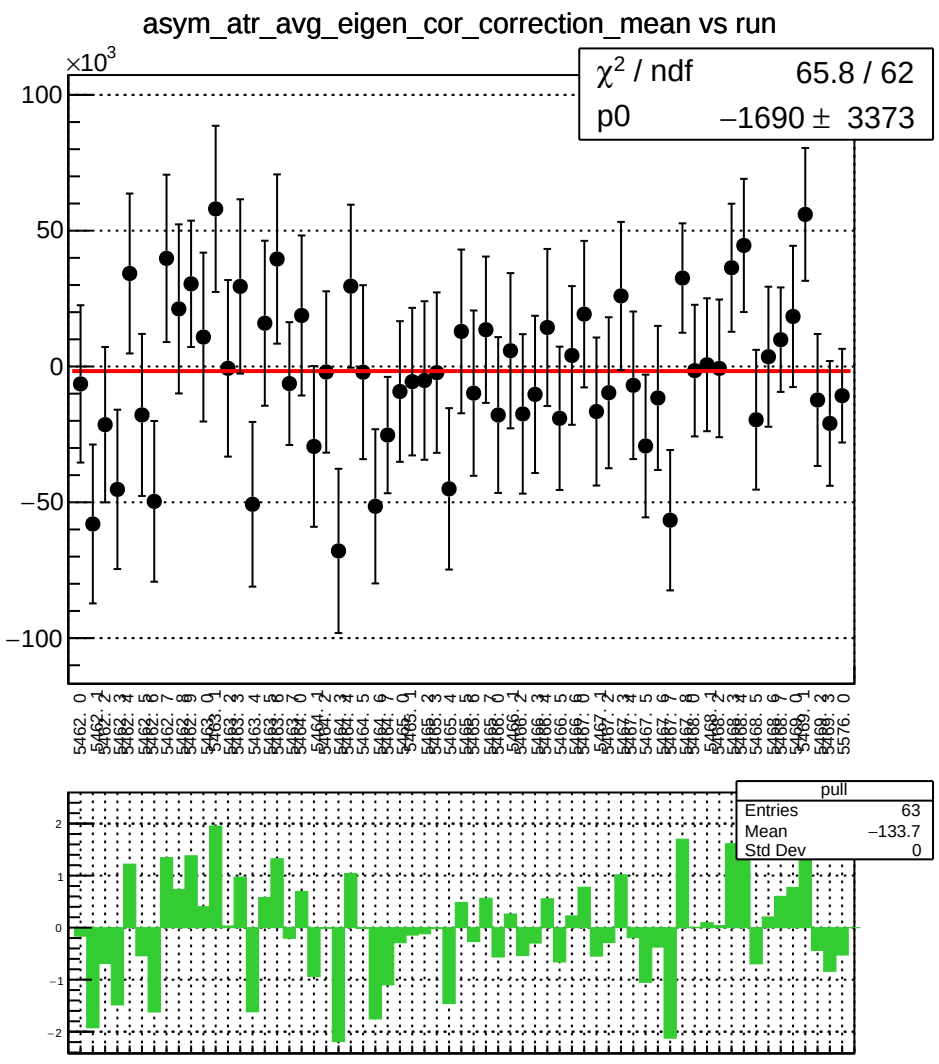

pull1D
Entries 63
Mean −0.01309
Std Dev 1.022

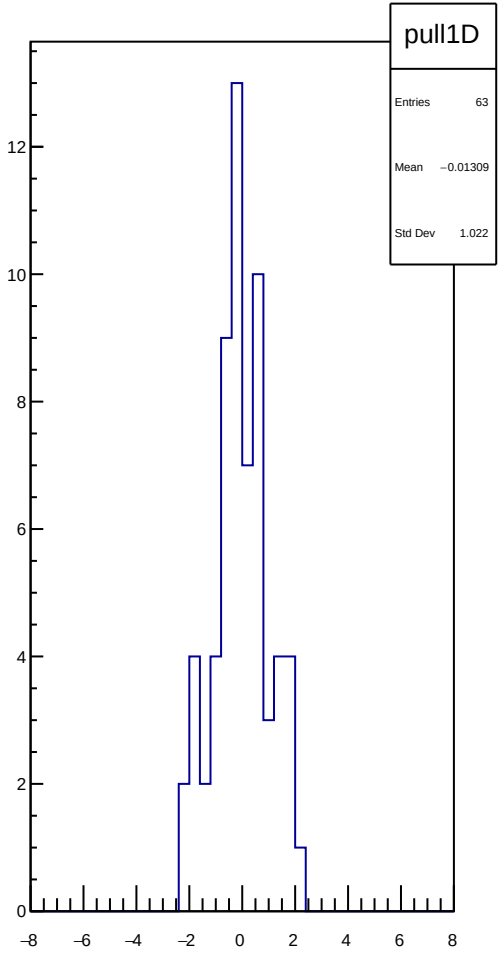

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1.259e+04 / 62
p0 2611 ± 2.385
3200
3000
2800
2600
2400
2200
2000
1800

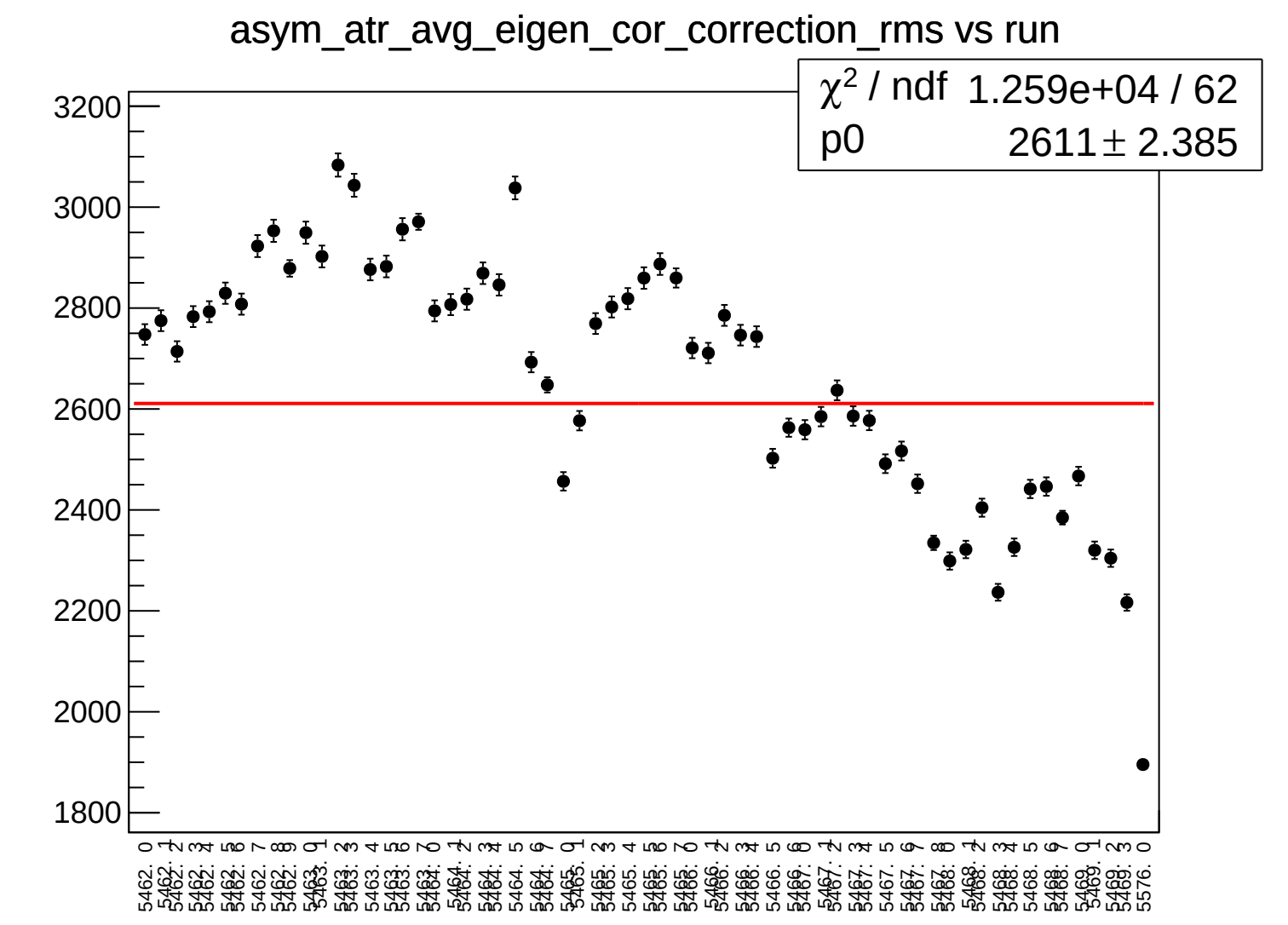

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 61.12 / 62
p0 681.7 ± 2135
×10³
pull
Entries 63
Mean 61.29
Std Dev 23.3

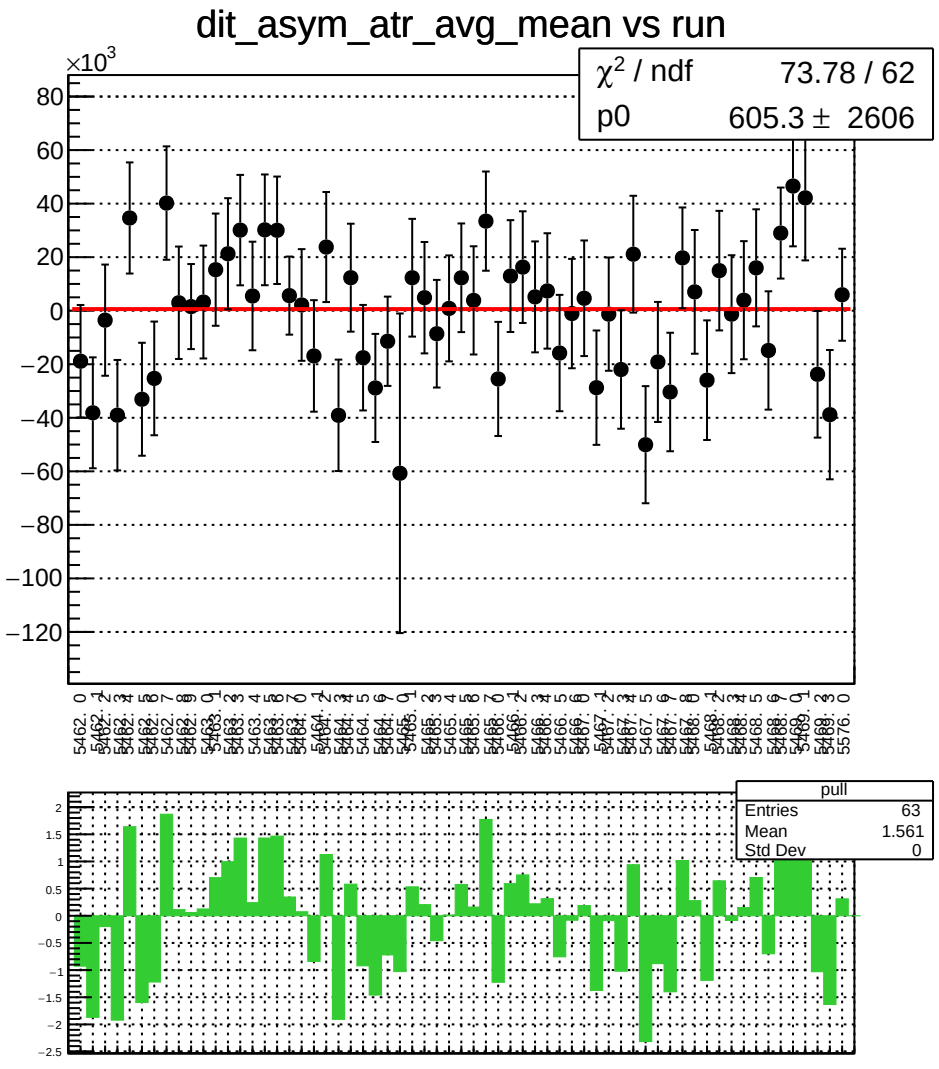

pull1D
Entries 63
Mean −0.02203
Std Dev 0.9847

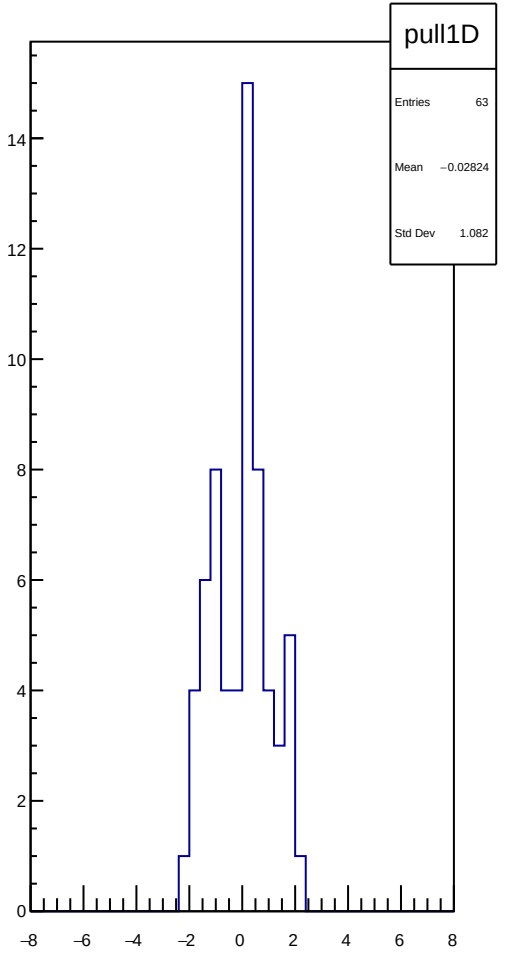

eigen_cor_asym_atr_avg_rms vs run
χ^2 / ndf 8936 / 62
p0 1655 ± 1.509
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

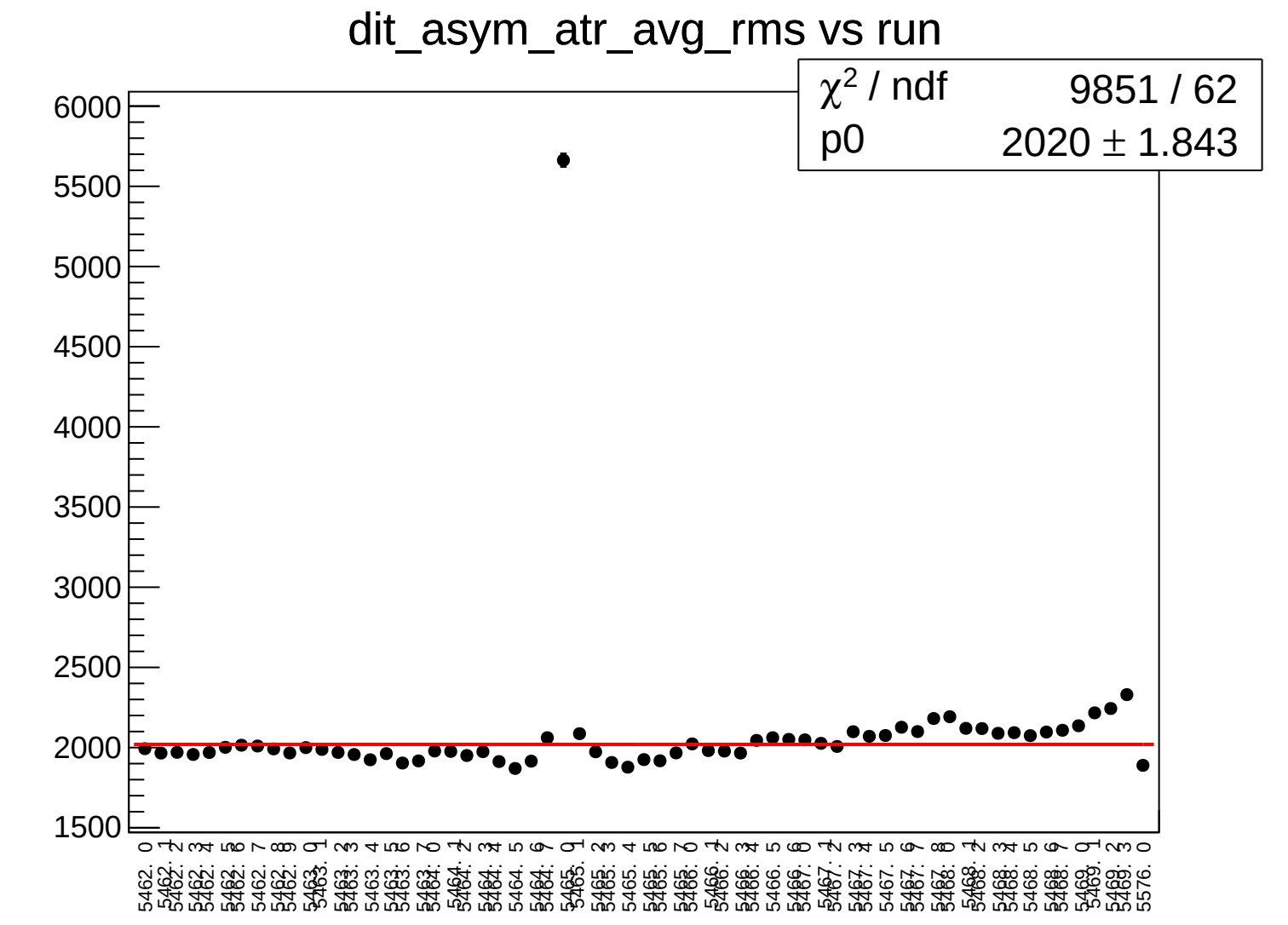

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.8 / 62
p0 −1690 ± 3373
100
50
0
−50
−100
pull
Entries 63
Mean −133.7
Std Dev 0
2
1
0
−1
−2

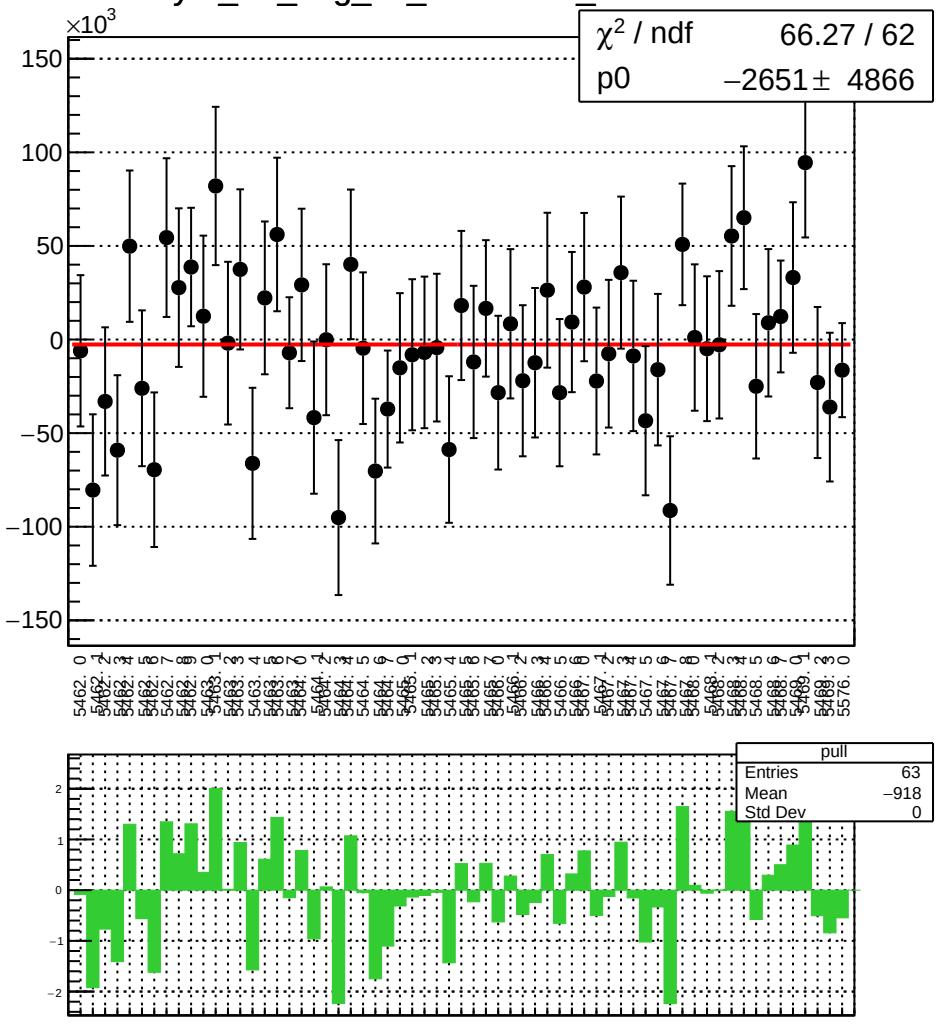

pull1D
Entries 63
Mean −0.01309
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

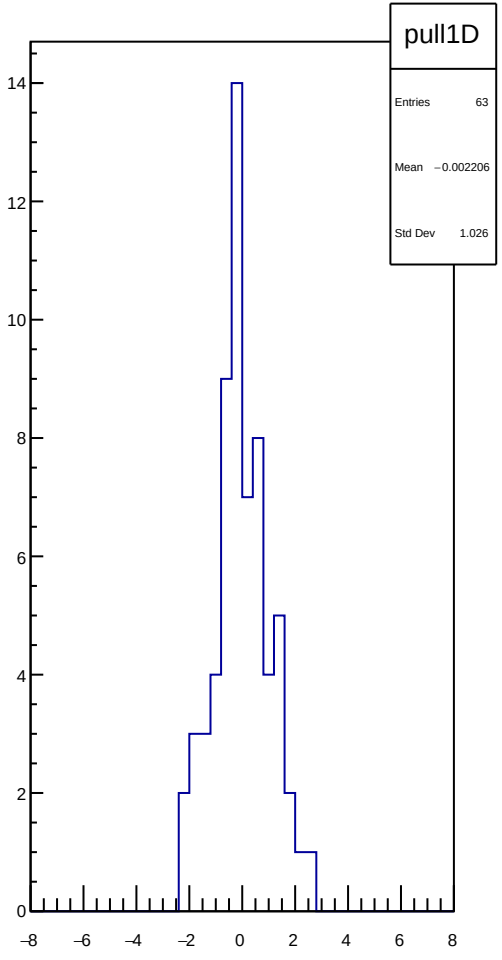

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.259e+04 / 62
p0 2611 ± 2.385
3200
3000
2800
2600
2400
2200
2000
1800

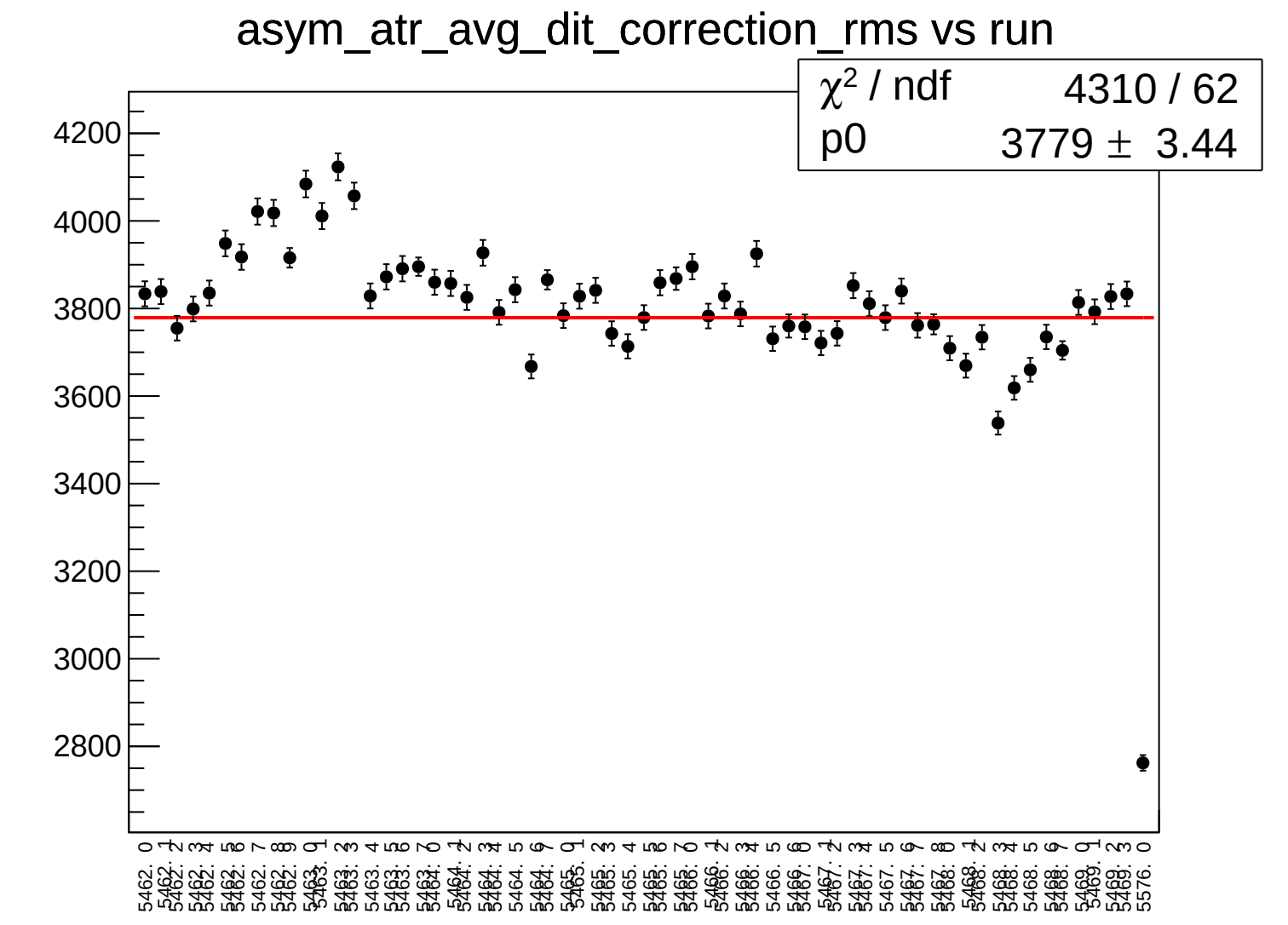

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 73.78 / 62
p0 605.3 ± 2606
pull
Entries 63
Mean 1.561
Std Dev 0

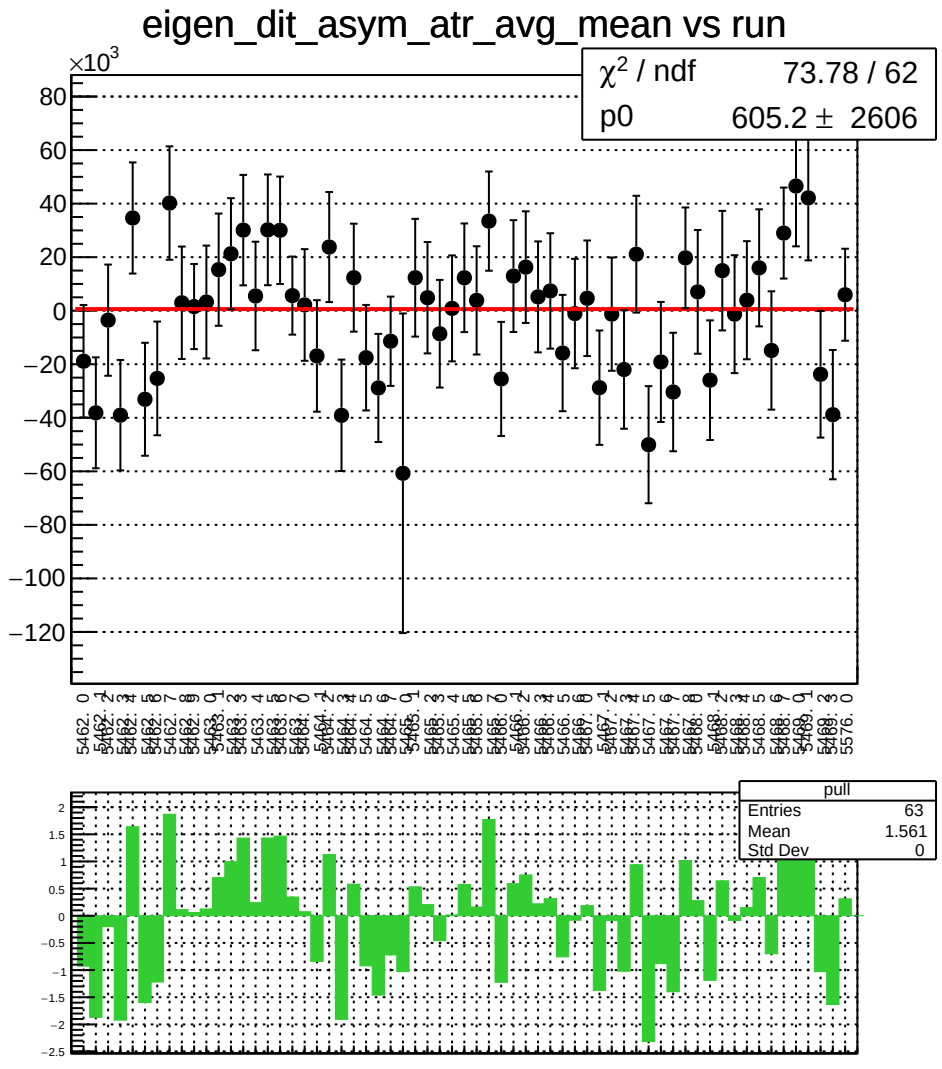

pull1D
Entries 63
Mean −0.02824
Std Dev 1.082

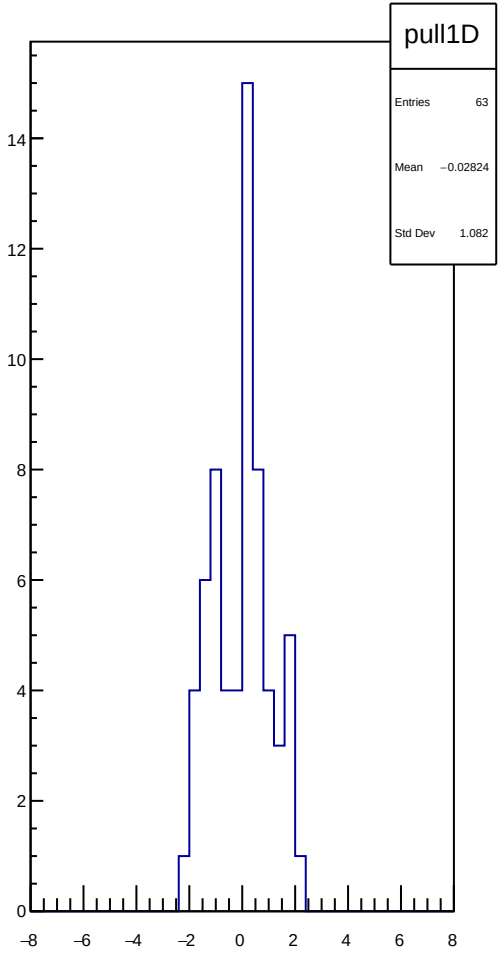

dit_asym_atr_avg_rms vs run
χ² / ndf 9851 / 62
p0 2020 ± 1.843
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

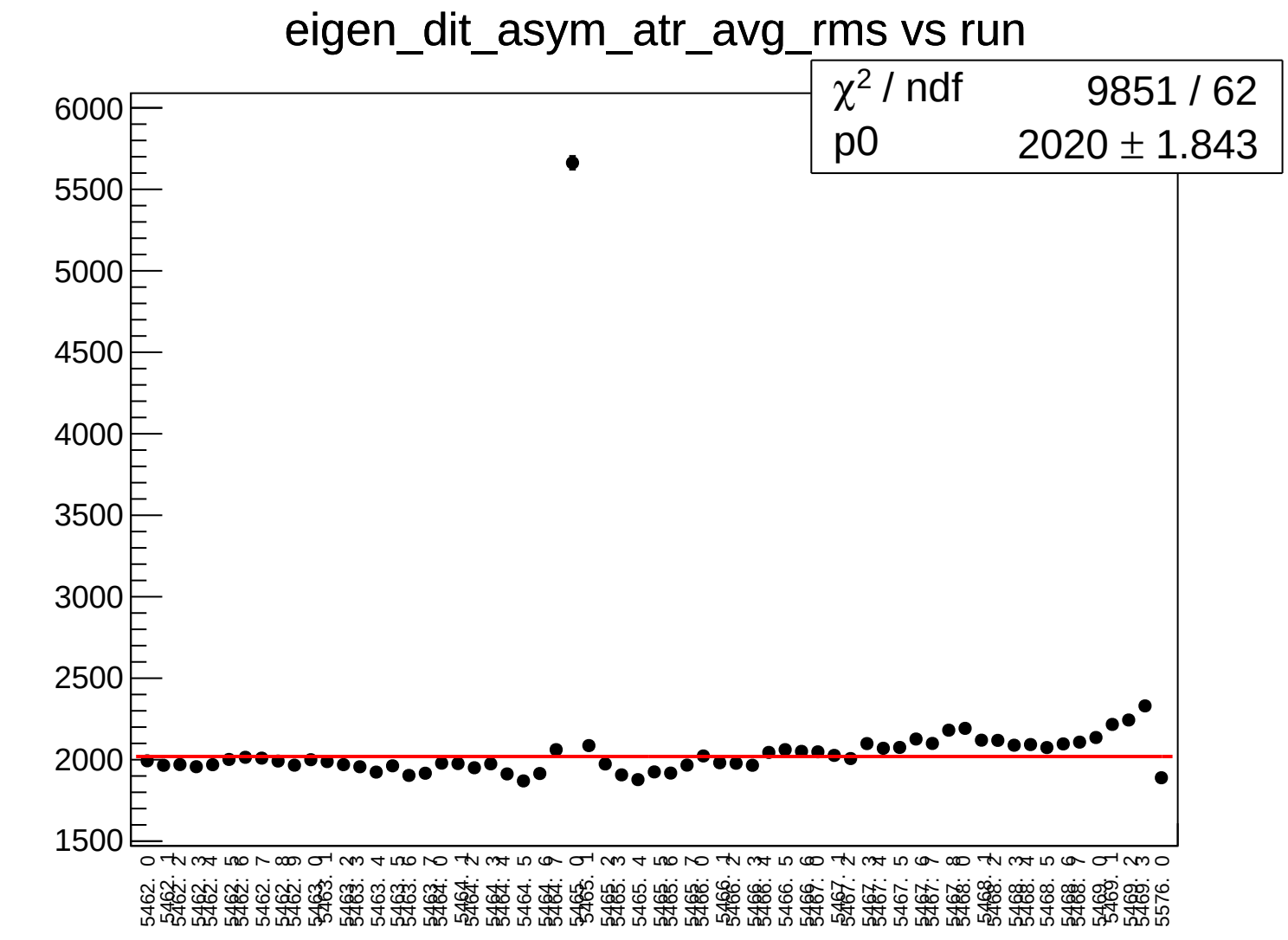

asym_atr_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 66.27 / 62
p0 −2651 ± 4866
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −918
Std Dev 0
2
1
0
−1
−2

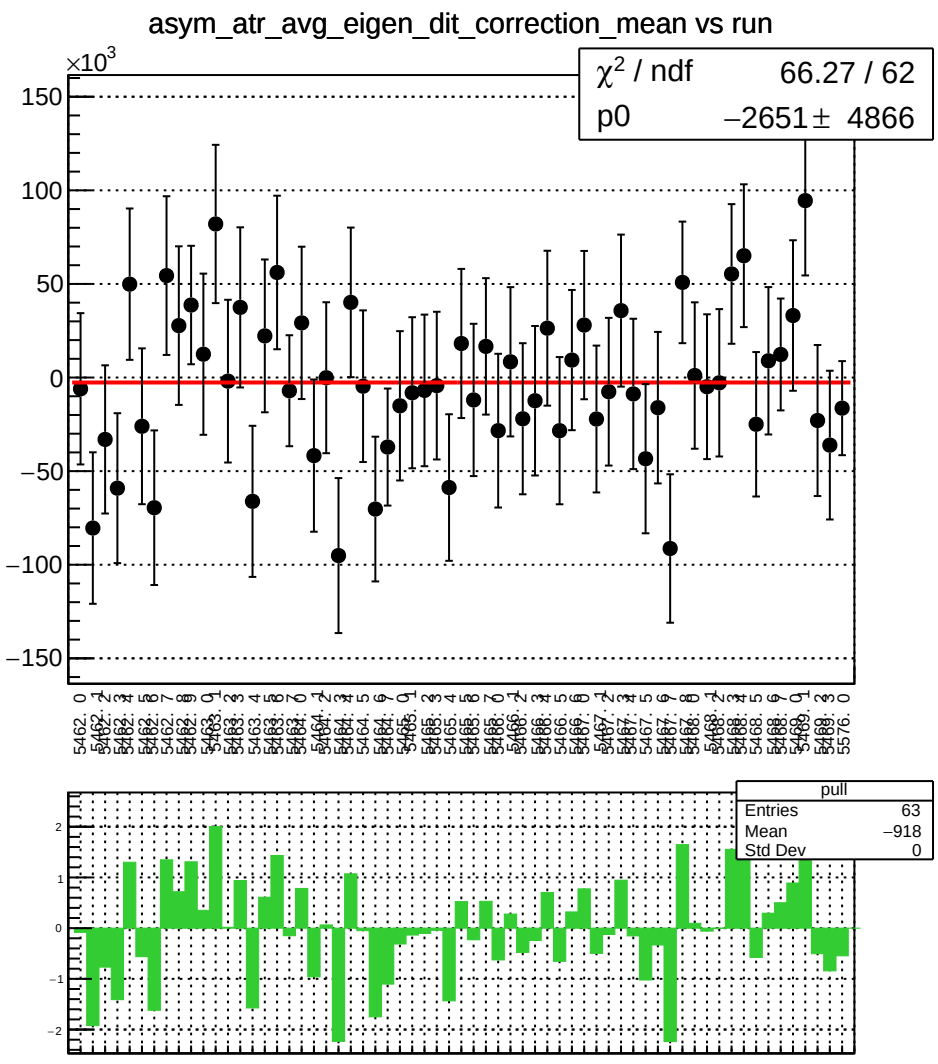

pull1D
Entries 63
Mean −0.002206
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

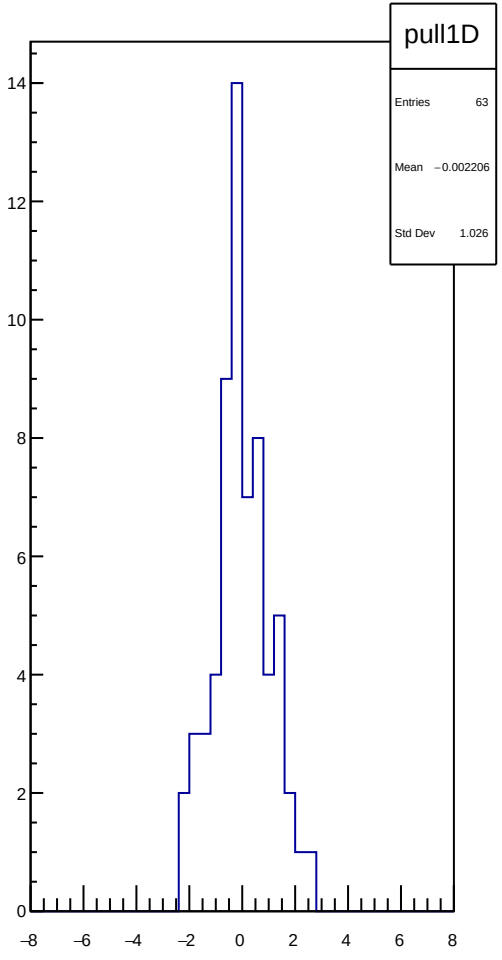

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 4310 / 62
p0 3779 ± 3.44
4200
4000
3800
3600
3400
3200
3000
2800

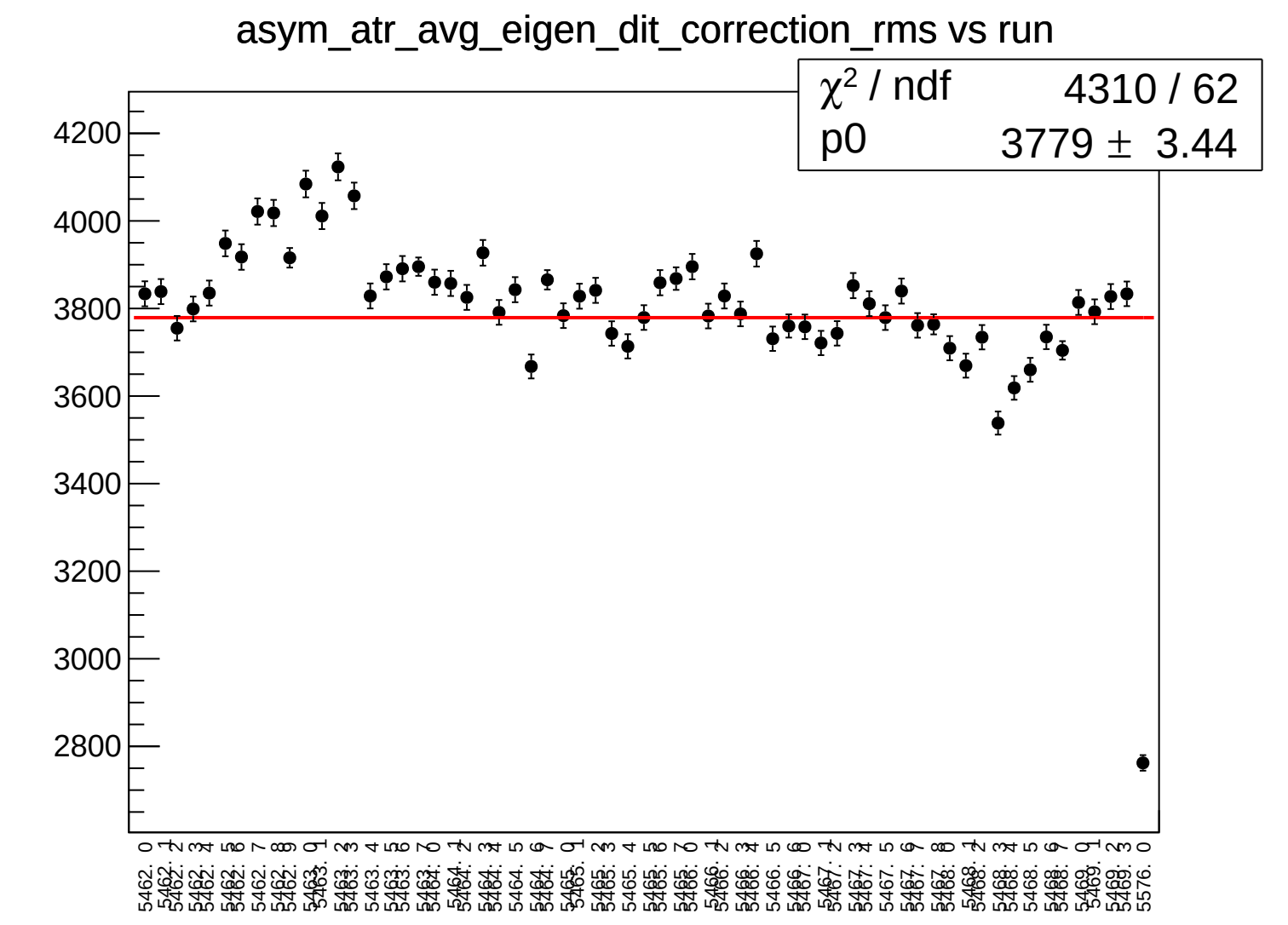

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 73.78 / 62
p0 605.2 ± 2606
×10³
pull
Entries 63
Mean 1.561
Std Dev 0

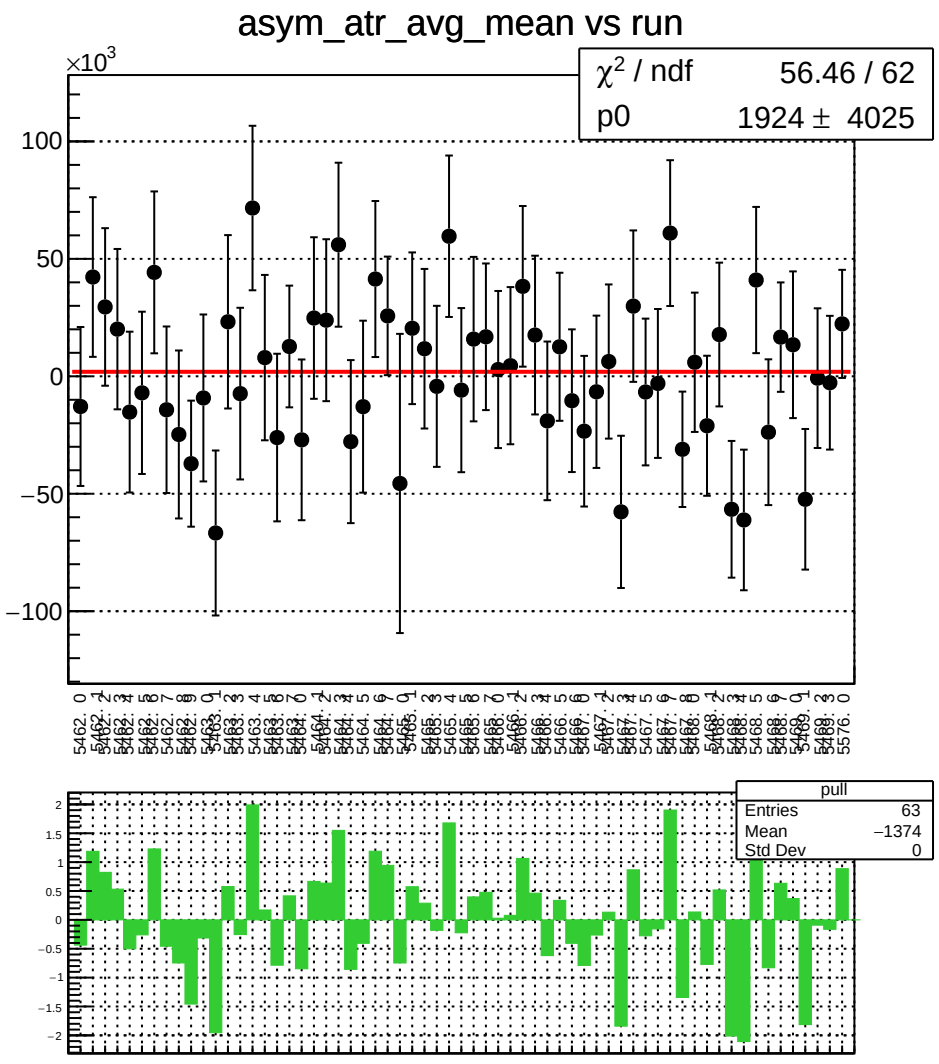

pull1D
Entries 63
Mean −0.02824
Std Dev 1.082

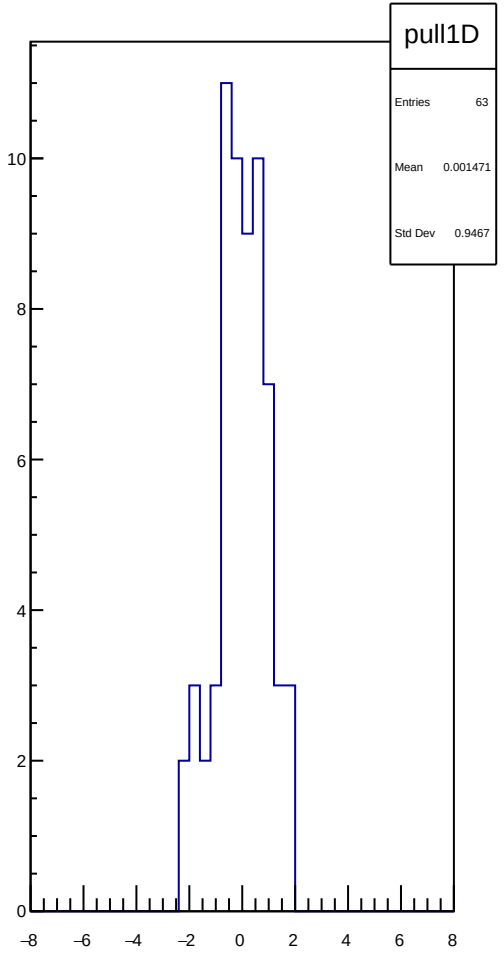

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 9851 / 62
p0 2020 ± 1.843
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

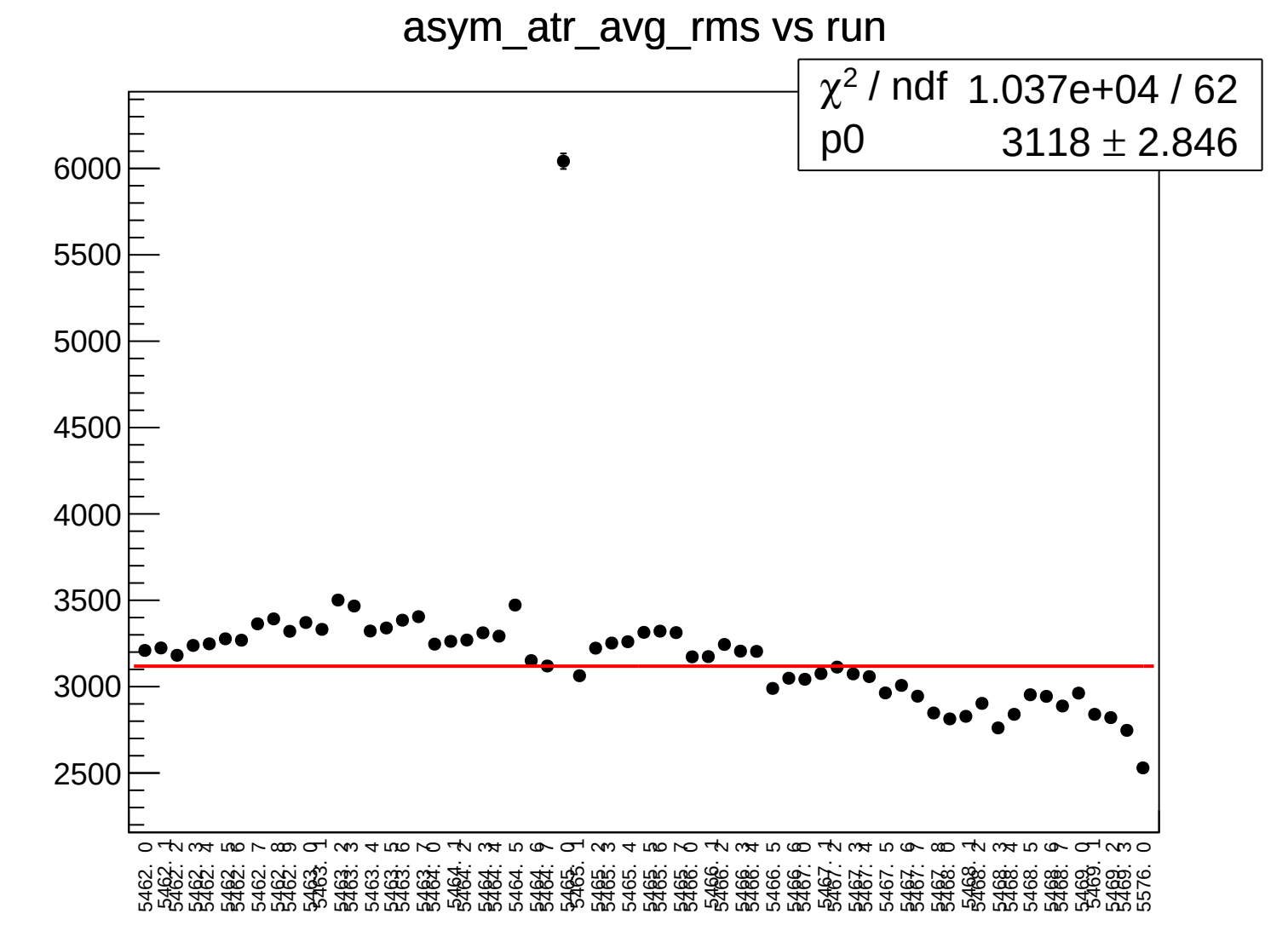

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 66.27 / 62
p0 −2651 ± 4866
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −918
Std Dev 0
2
1
0
−1
−2

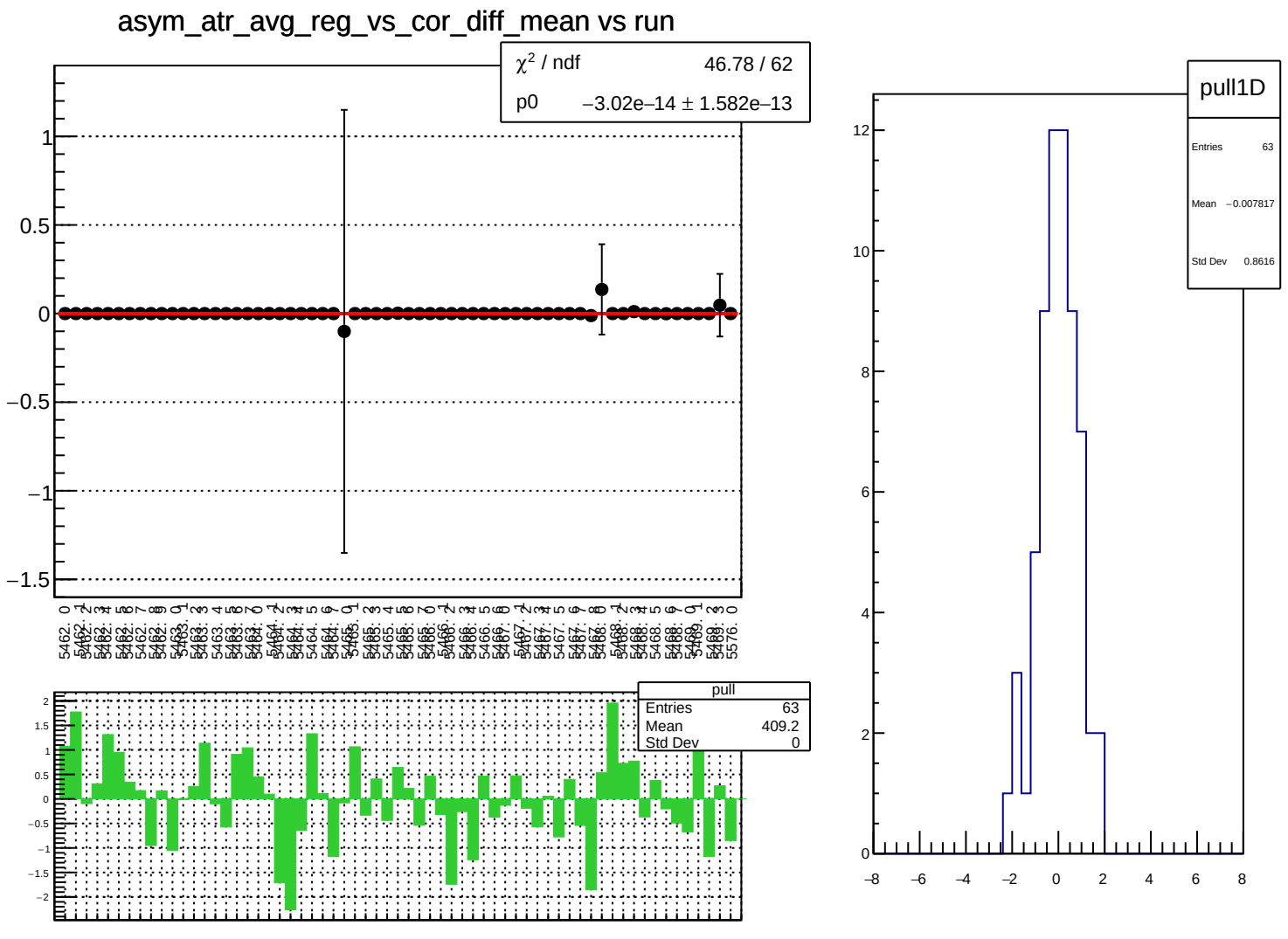

pull1D
Entries 63
Mean −0.002206
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

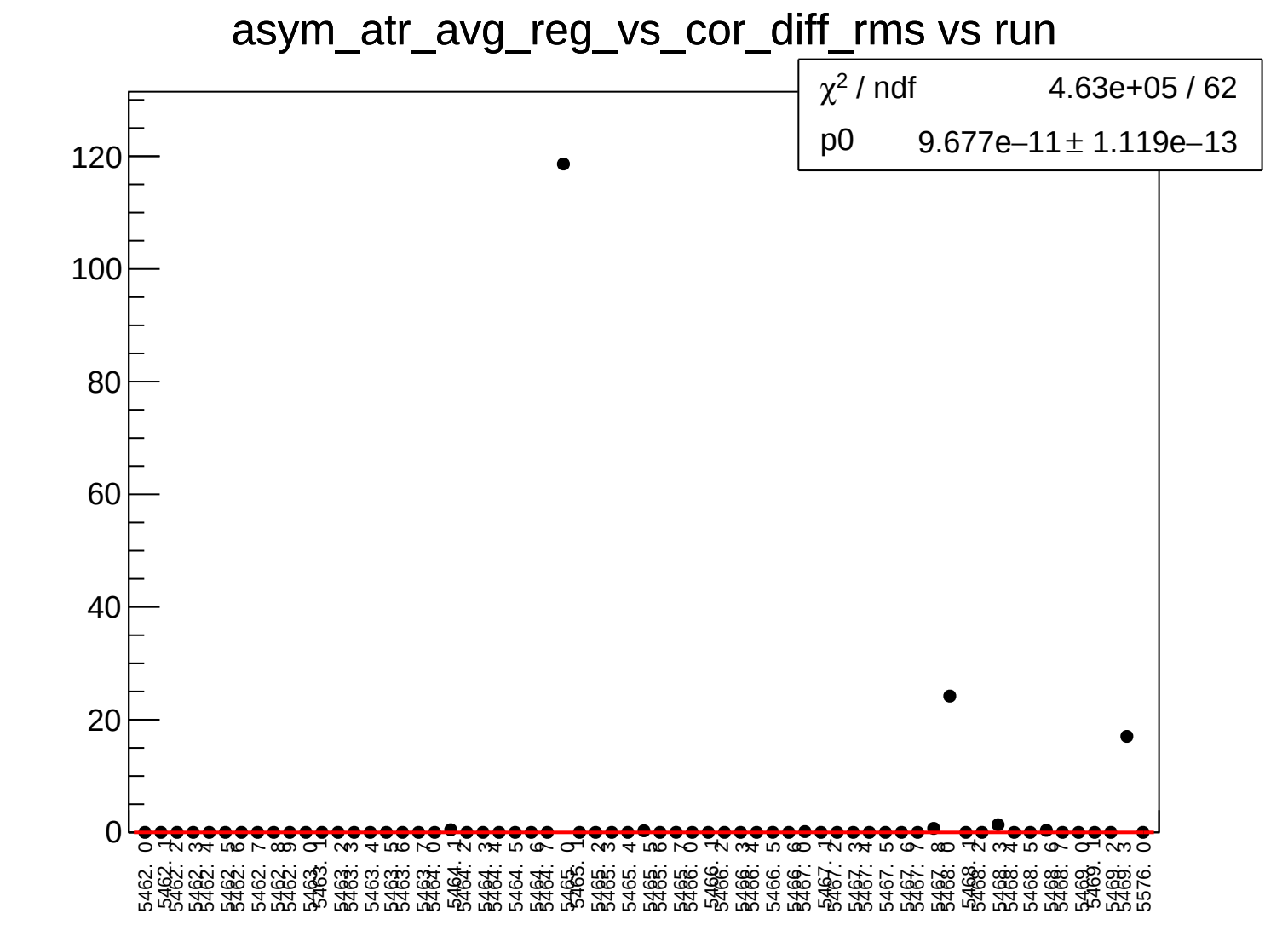

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 4310 / 62
p0 3779 ± 3.44
4200
4000
3800
3600
3400
3200
3000
2800

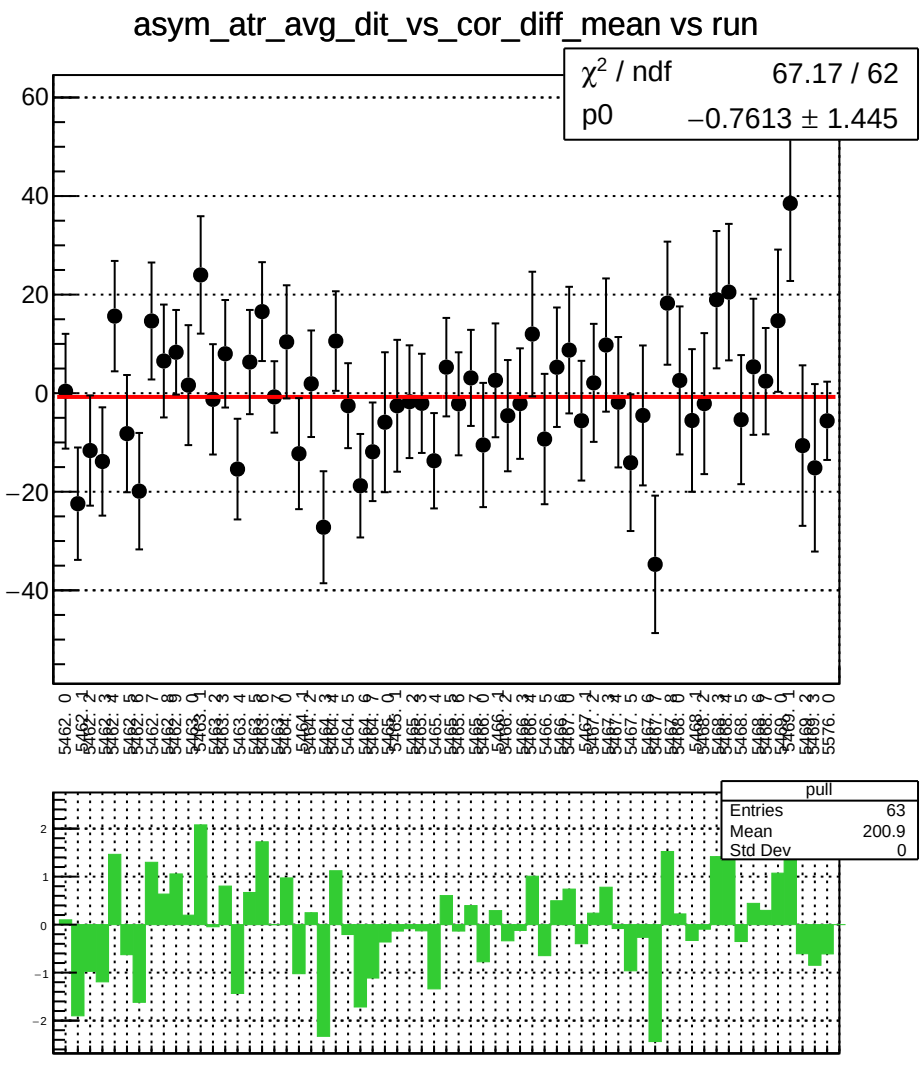

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 56.46 / 62
p0 1924 ± 4025
100
50
0
−50
−100
pull
Entries 63
Mean −1374
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

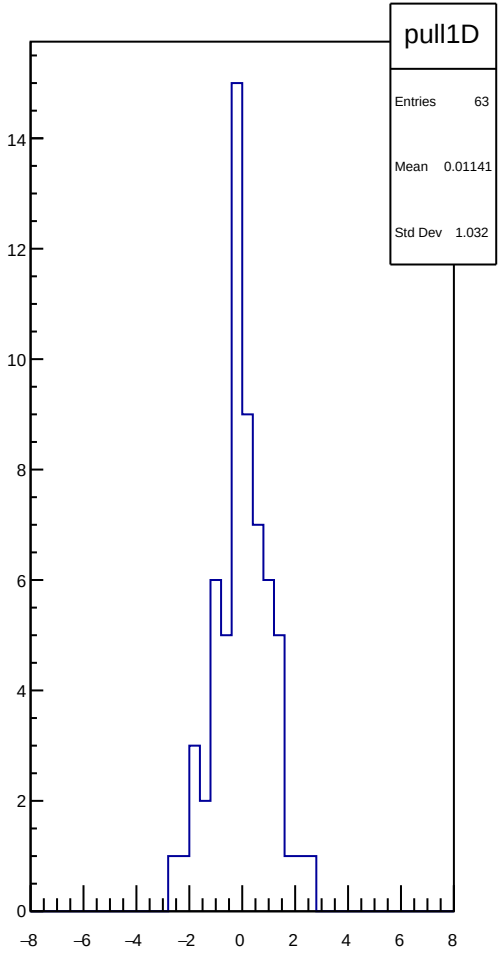

pull1D
Entries 63
Mean 0.001471
Std Dev 0.9467
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

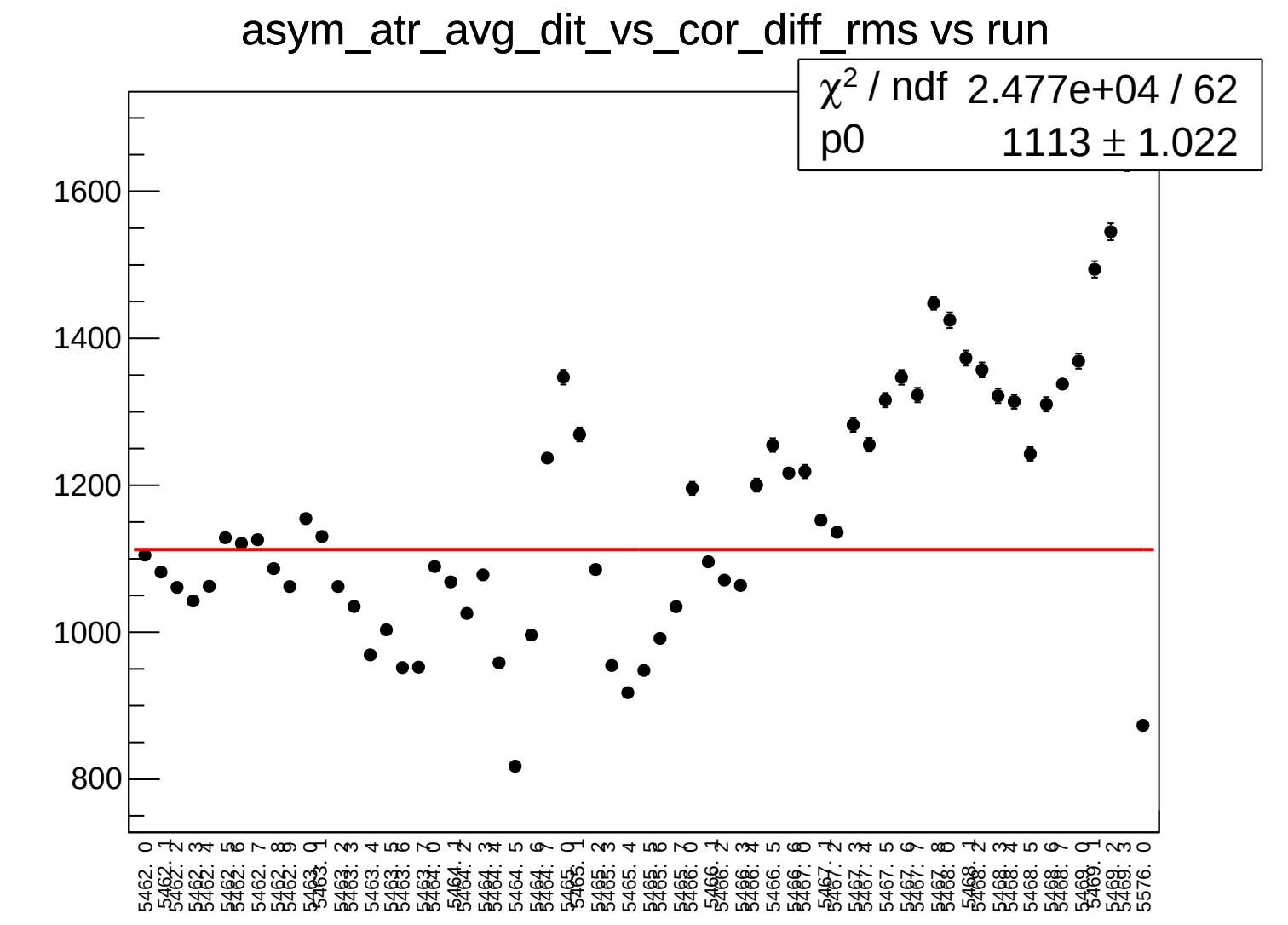

asym_atr_avg_rms vs run
χ² / ndf 1.037e+04 / 62
p0 3118 ± 2.846
6000
5500
5000
4500
4000
3500
3000
2500

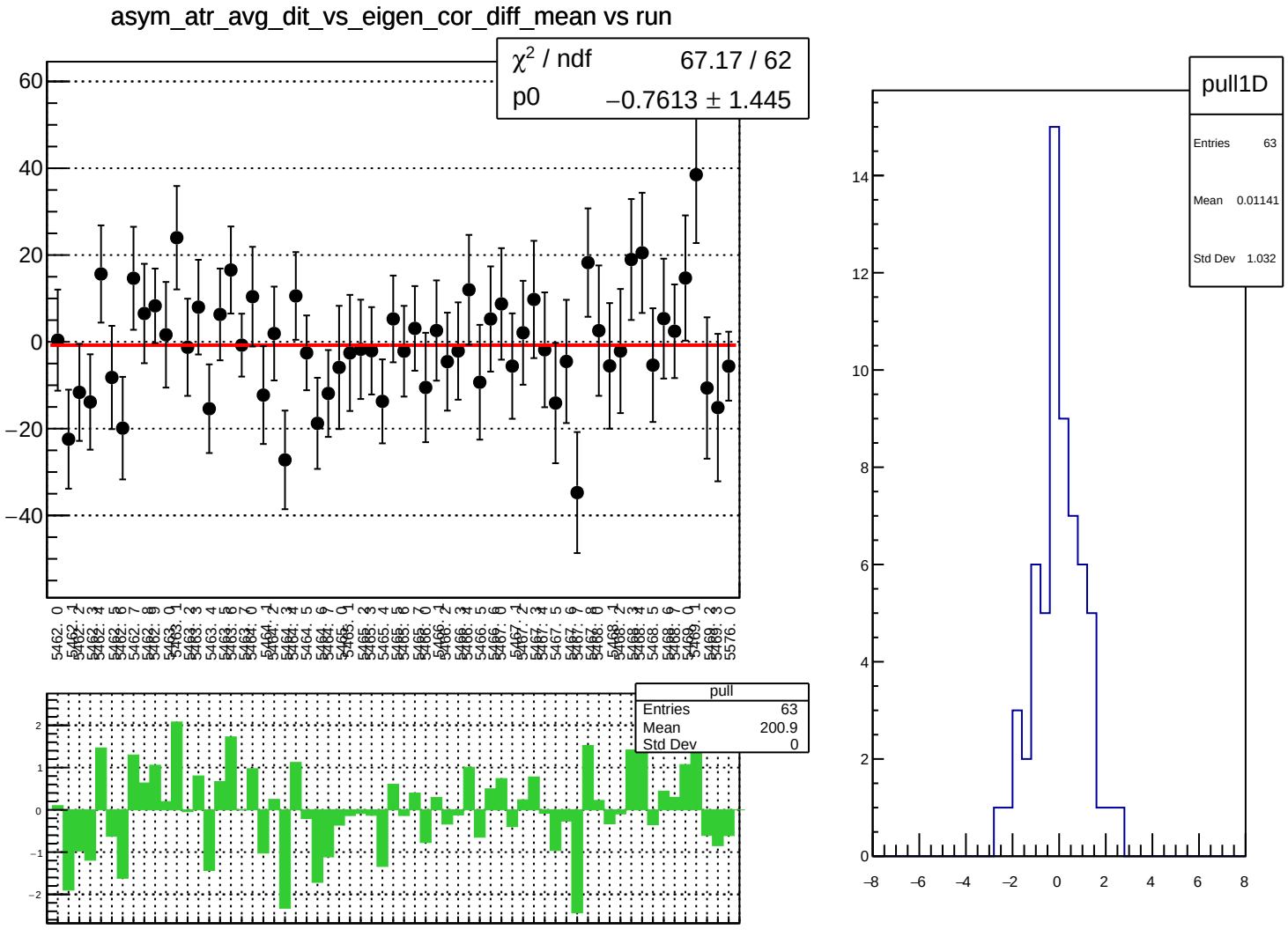

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.78 / 62
p0 −3.02e−14 ± 1.582e−13
pull
Entries 63
Mean 409.2
Std Dev 0
pull1D
Entries 63
Mean −0.007817
Std Dev 0.8616

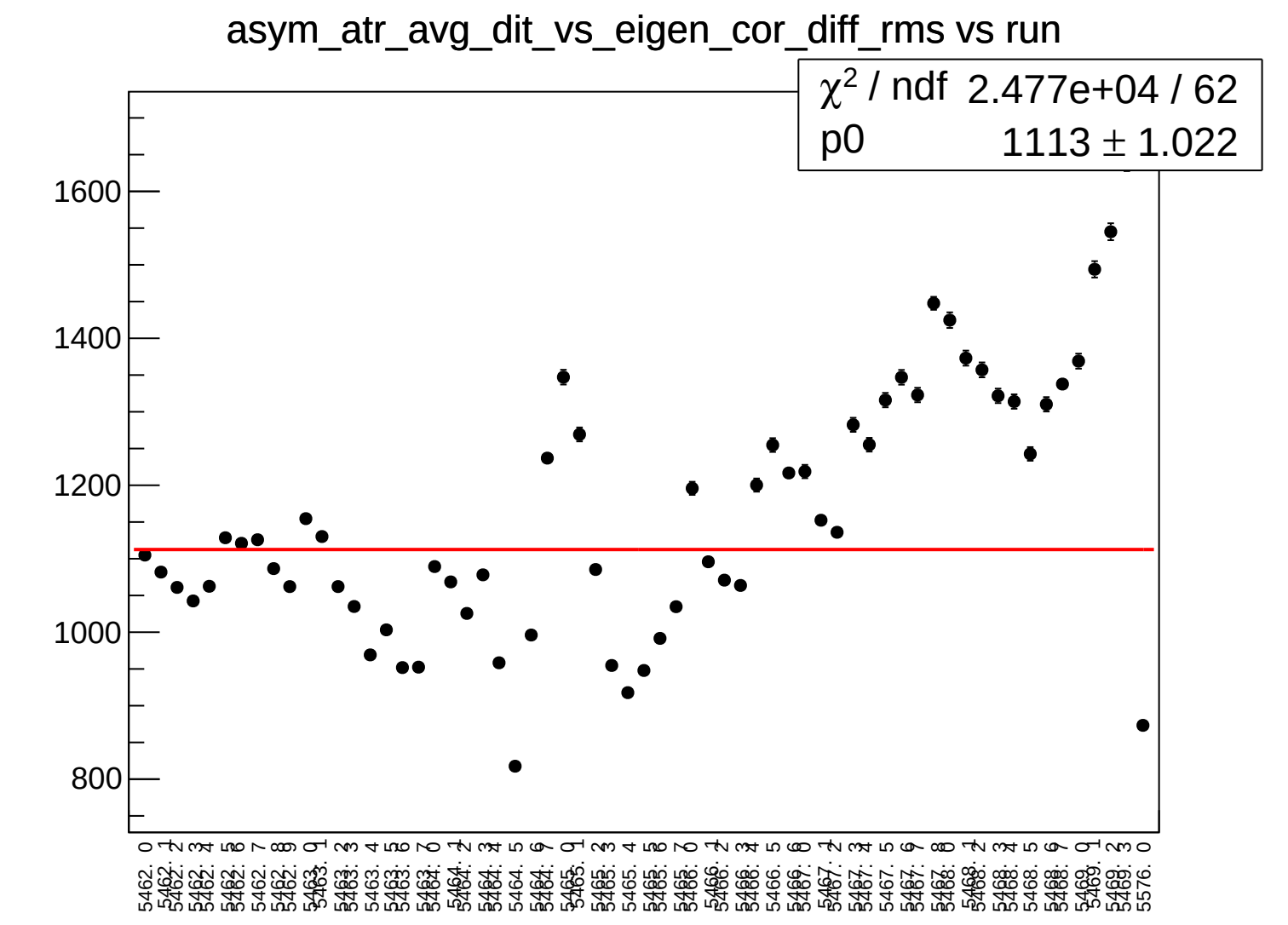

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.63e+05 / 62
p0 9.677e−11 ± 1.119e−13
120
100
80
60
40
20
0

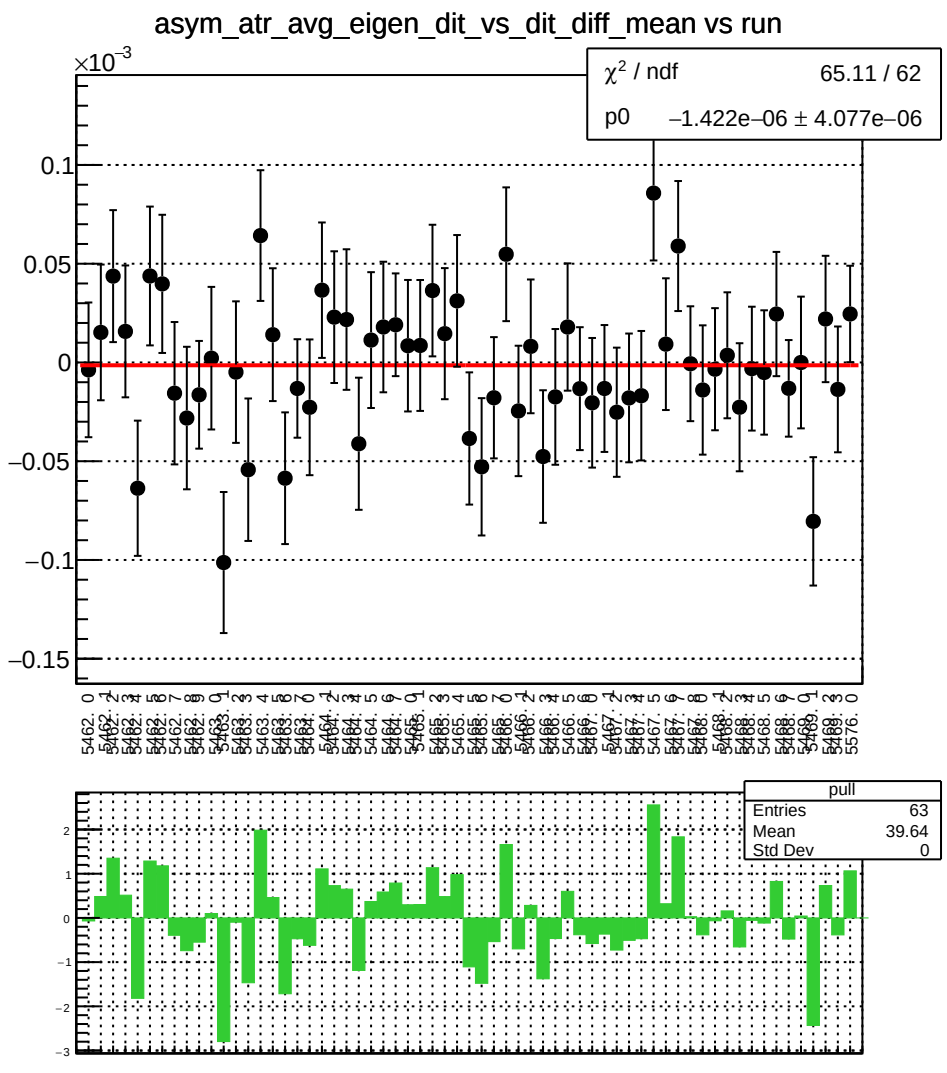

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.17 / 62
p0 −0.7613 ± 1.445
pull
Entries 63
Mean 200.9
Std Dev 0

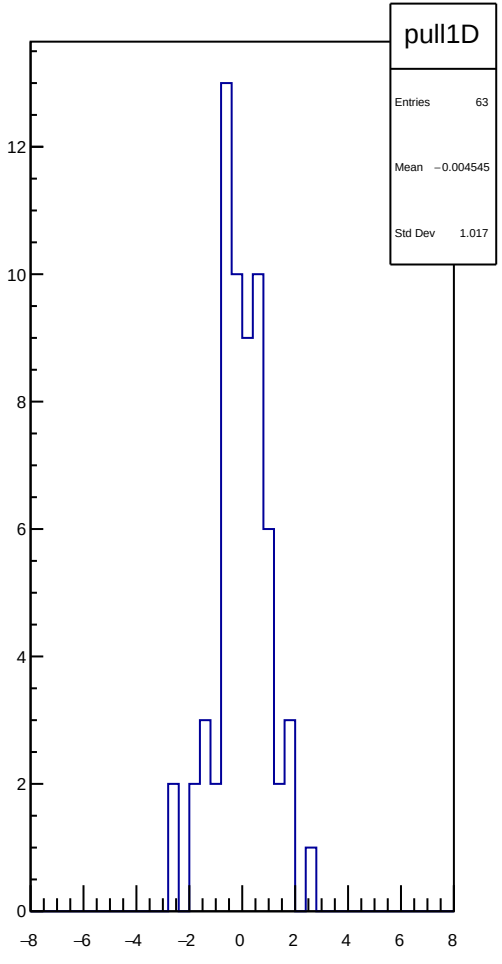

pull1D
Entries 63
Mean 0.01141
Std Dev 1.032

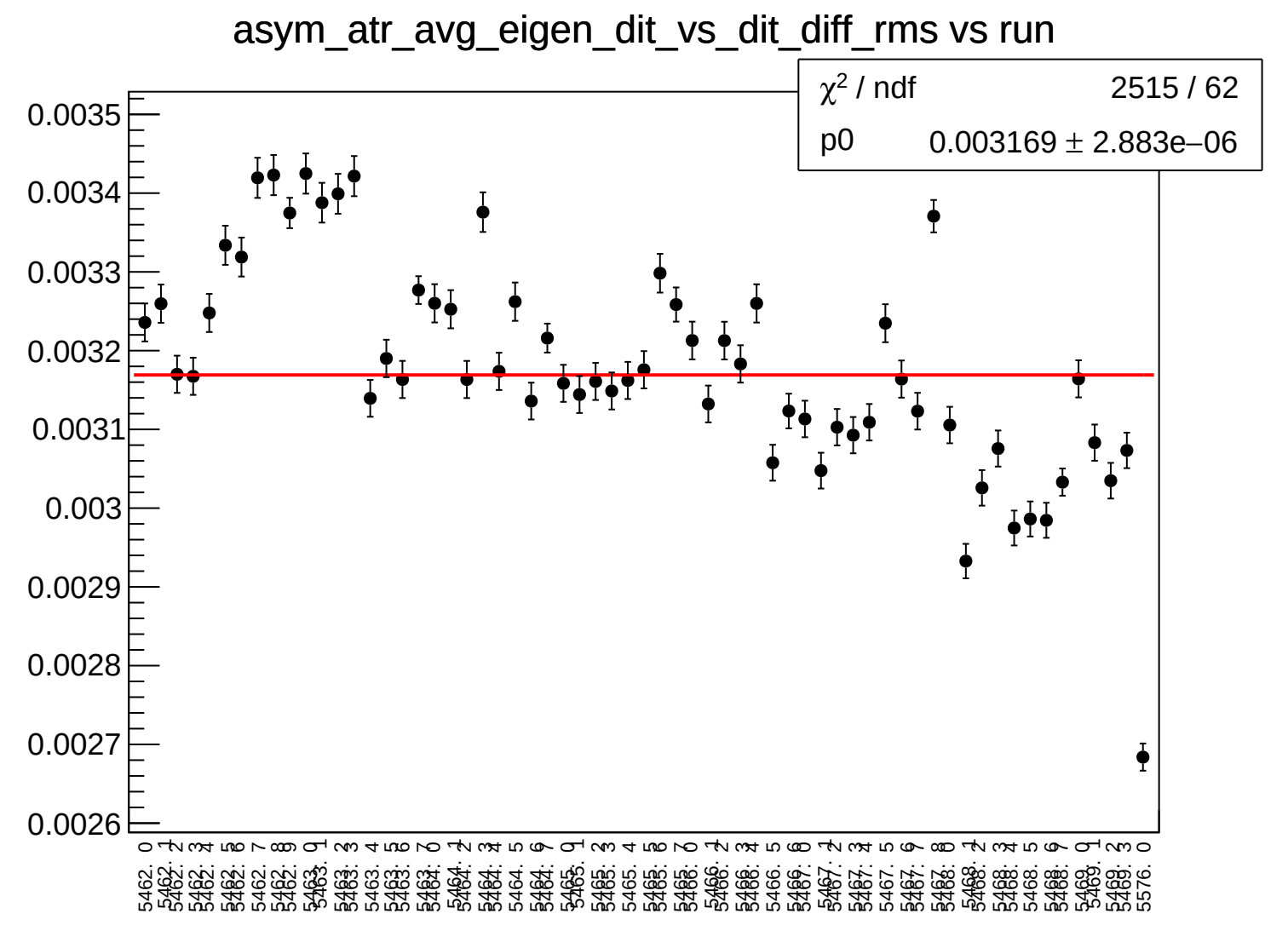

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.477e+04 / 62
p0 1113 ± 1.022
1600
1400
1200
1000
800

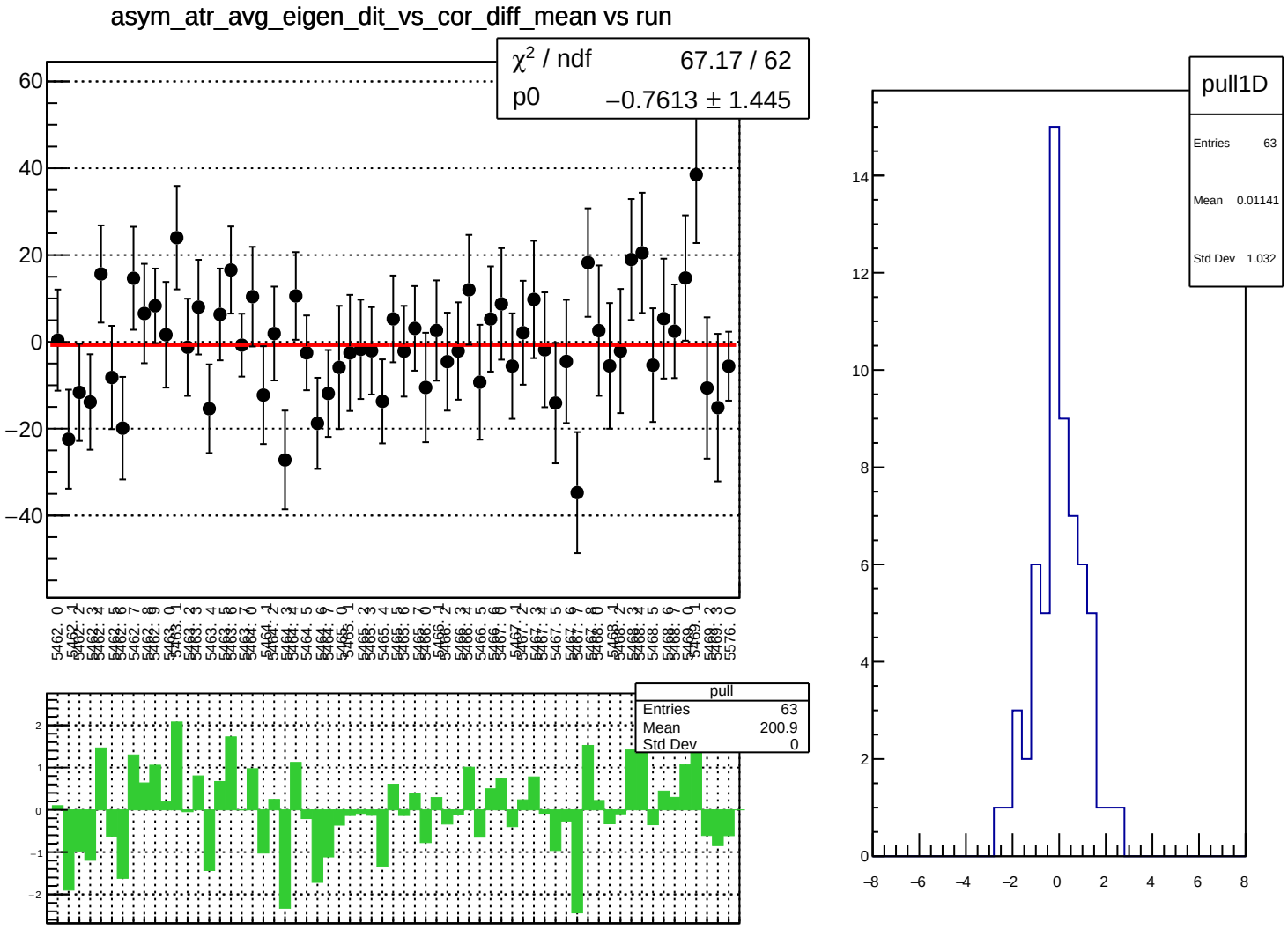

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.17 / 62
p0 −0.7613 ± 1.445
pull
Entries 63
Mean 200.9
Std Dev 0
pull1D
Entries 63
Mean 0.01141
Std Dev 1.032

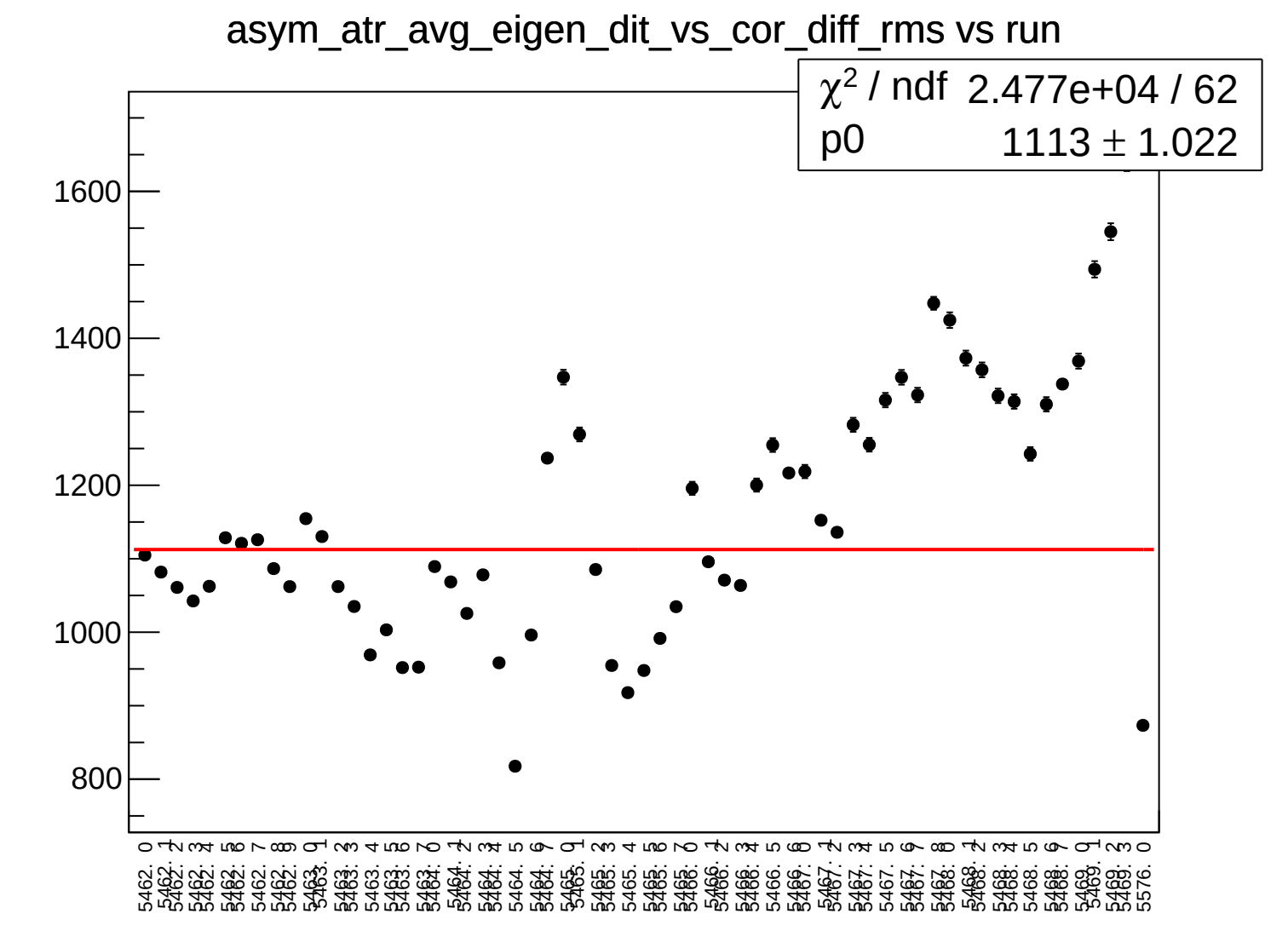

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.477e+04 / 62
p0 1113 ± 1.022
1600
1400
1200
1000
800

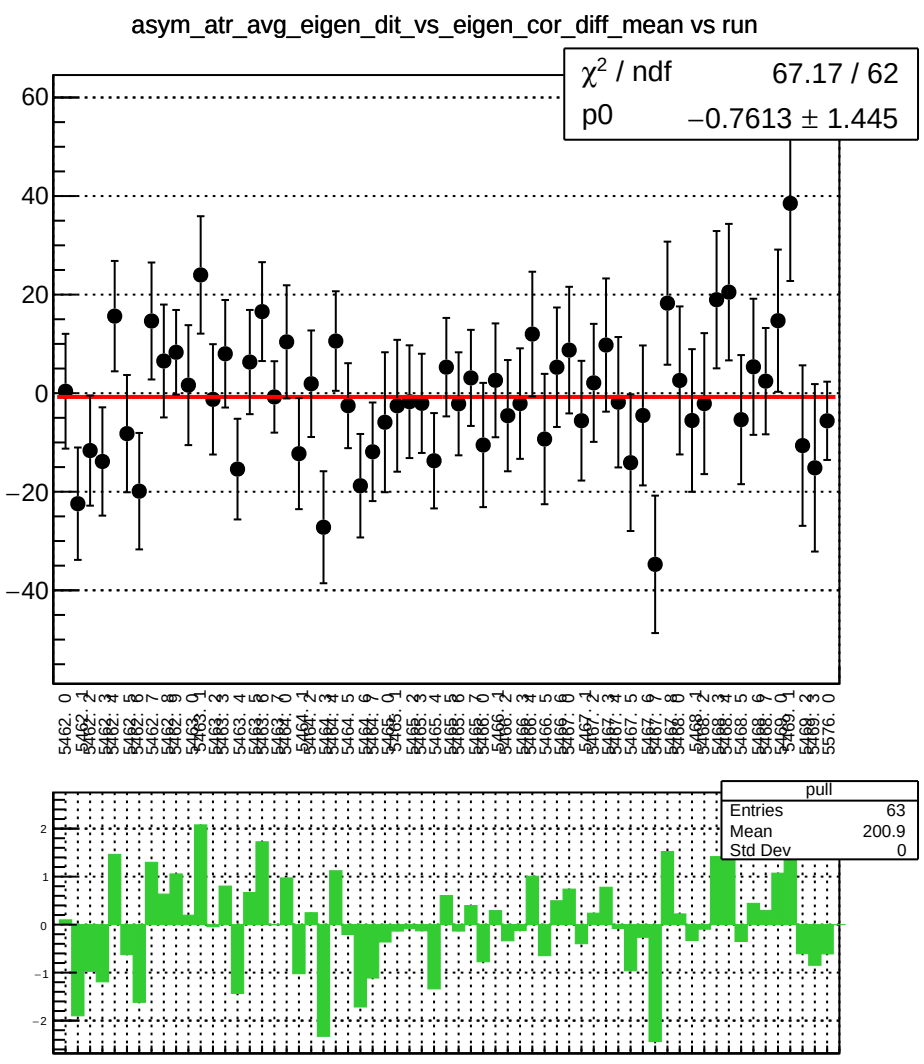

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.11 / 62
p0 −1.422e−06 ± 4.077e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 63
Mean 39.64
Std Dev 0
2
1
0
−1
−2
−3

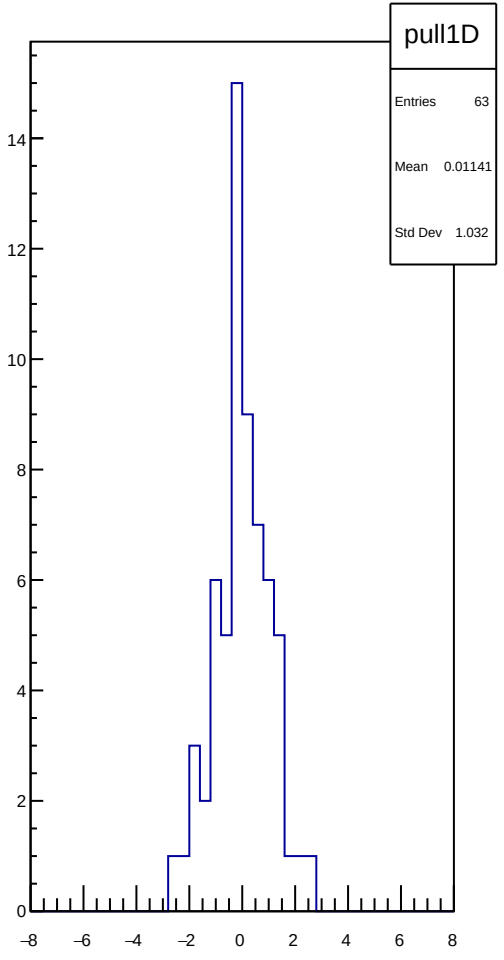

pull1D
Entries 63
Mean −0.004545
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

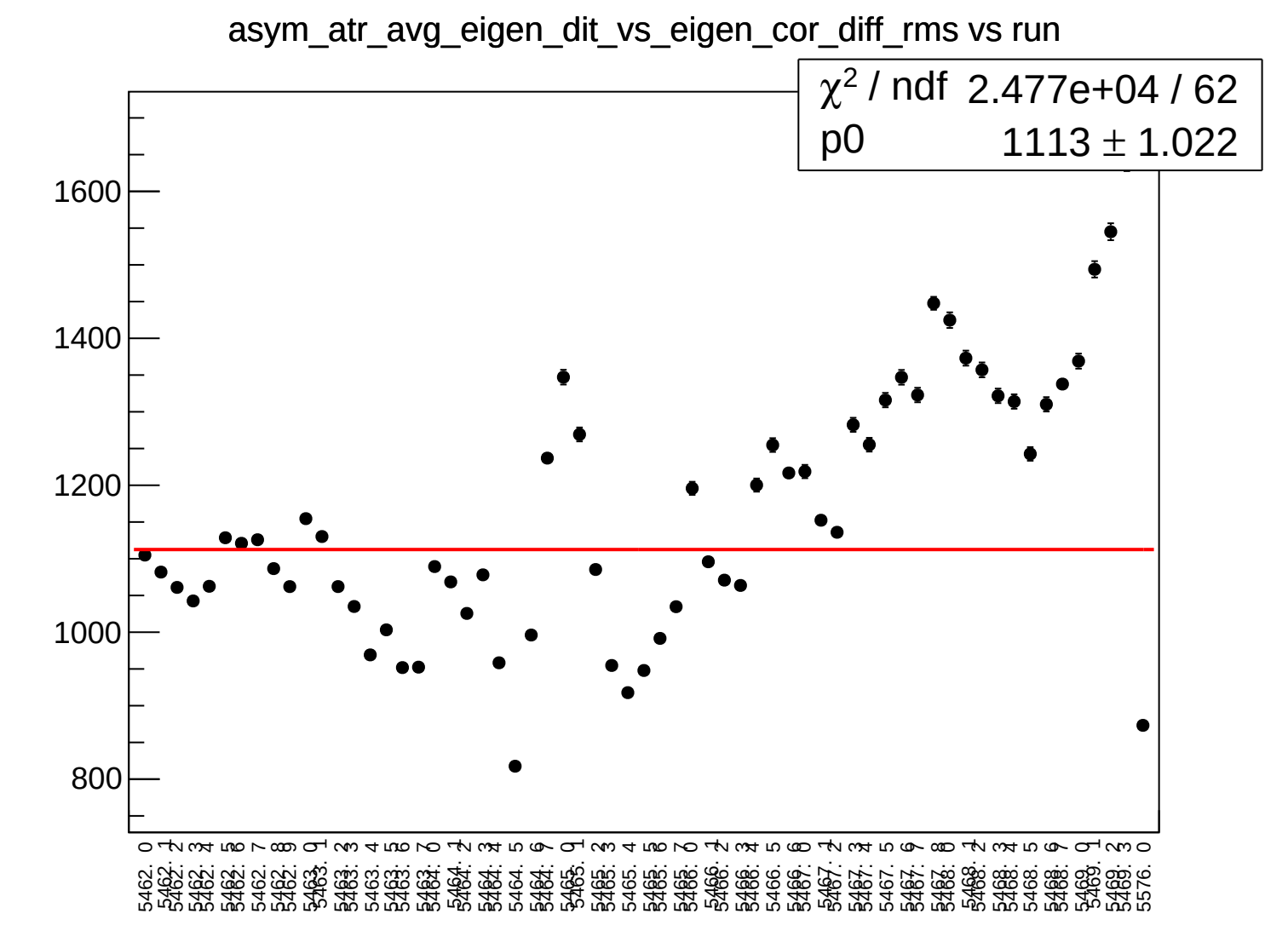

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2515 / 62
p0 0.003169 ± 2.883e−06
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026

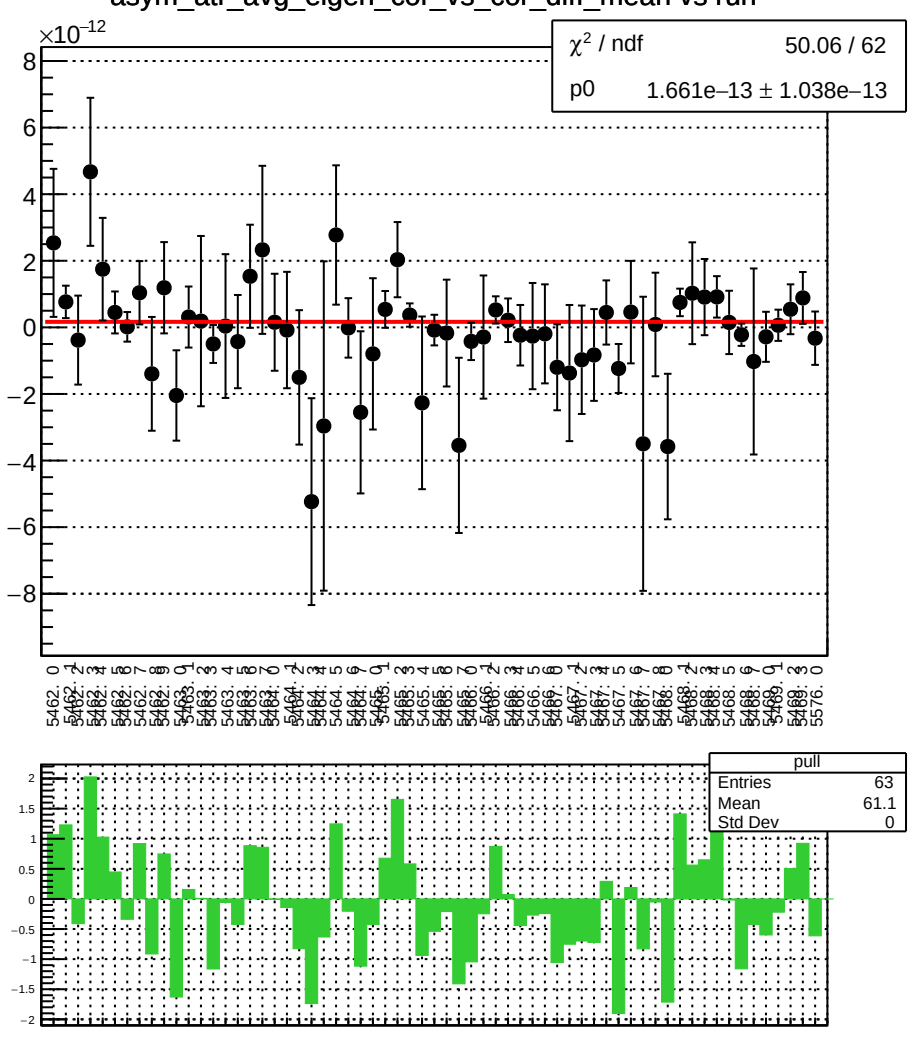

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.17 / 62
p0 −0.7613 ± 1.445
pull
Entries 63
Mean 200.9
Std Dev 0
pull1D
Entries 63
Mean 0.01141
Std Dev 1.032

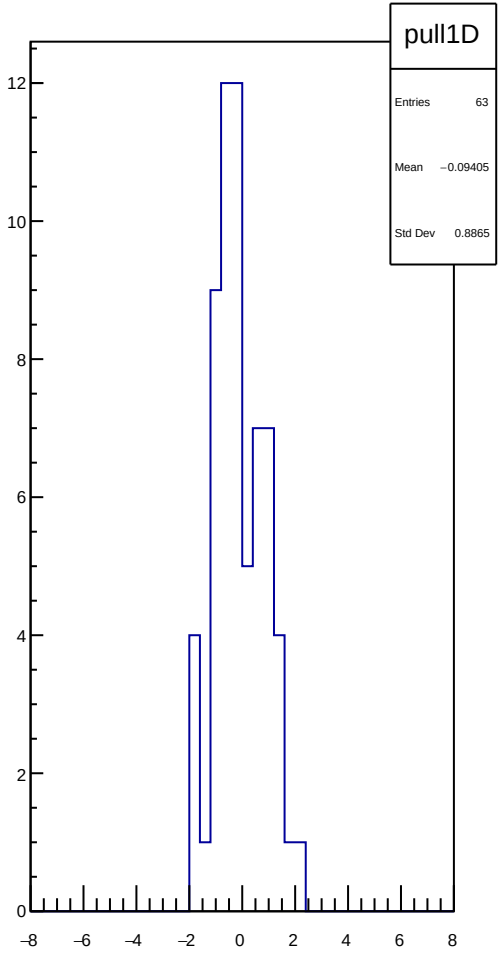

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.477e+04 / 62
p0 1113 ± 1.022
1600
1400
1200
1000
800

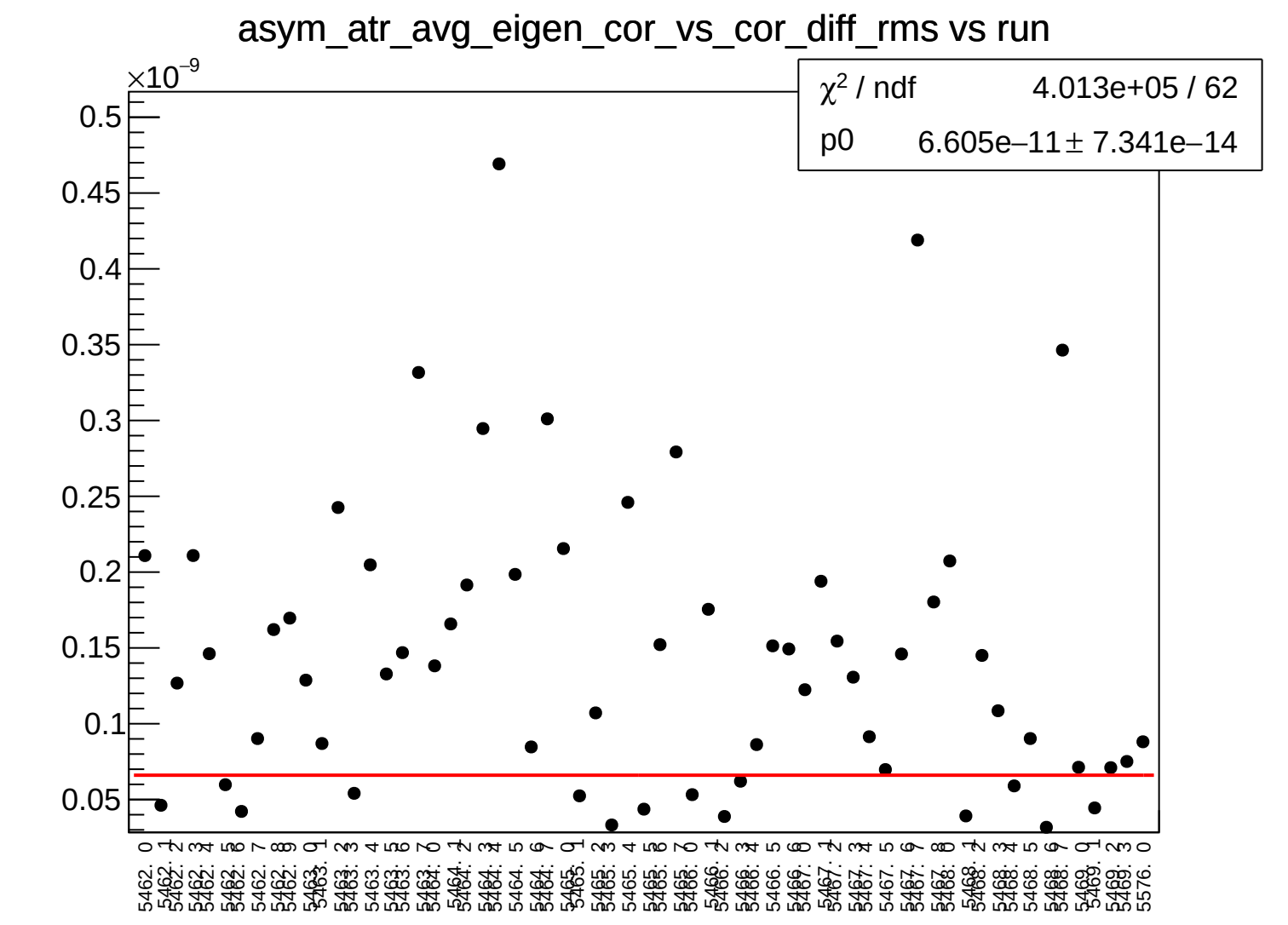

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.17 / 62
p0 −0.7613 ± 1.445
pull
Entries 63
Mean 200.9
Std Dev 0

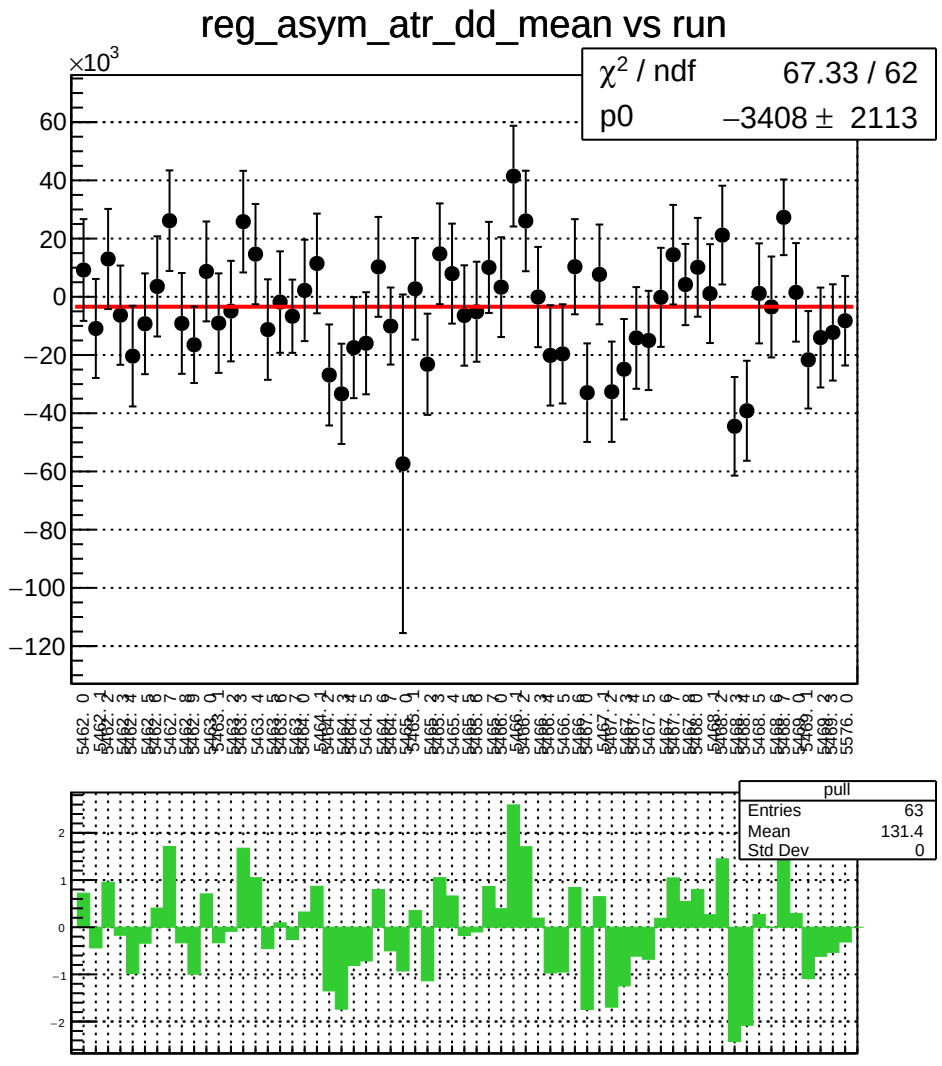

pull1D
Entries 63
Mean 0.01141
Std Dev 1.032

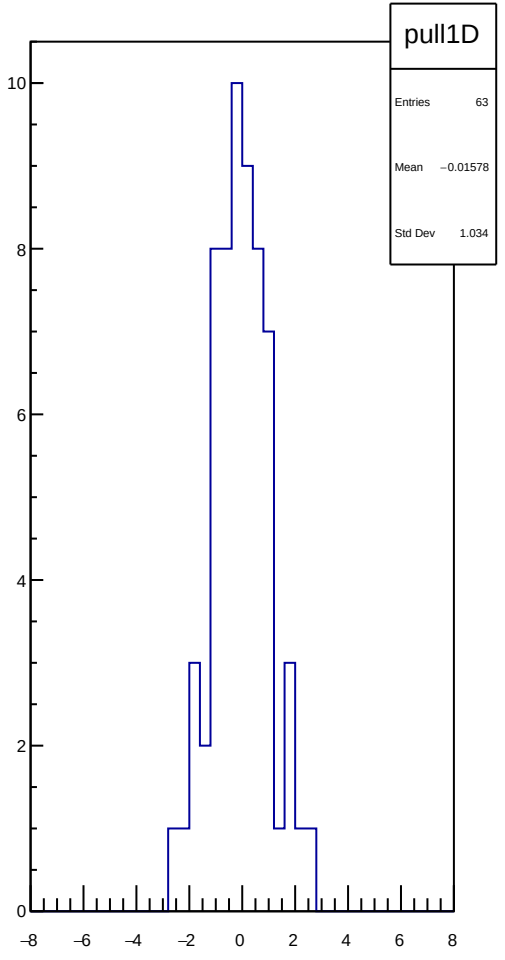

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.477e+04 / 62
p0 1113 ± 1.022
1600
1400
1200
1000
800

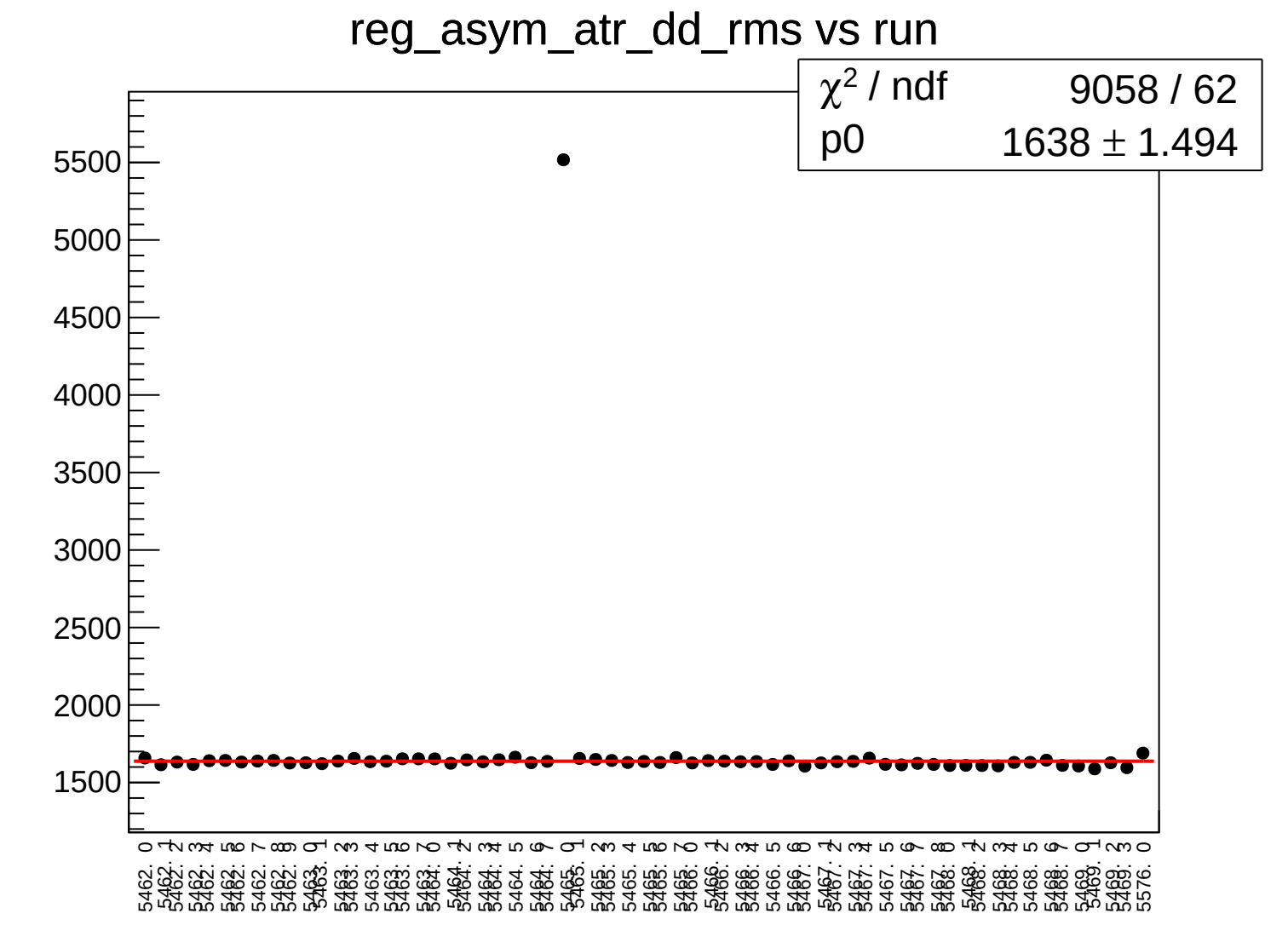

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.06 / 62
p0 1.661e−13 ± 1.038e−13
pull
Entries 63
Mean 61.1
Std Dev 0

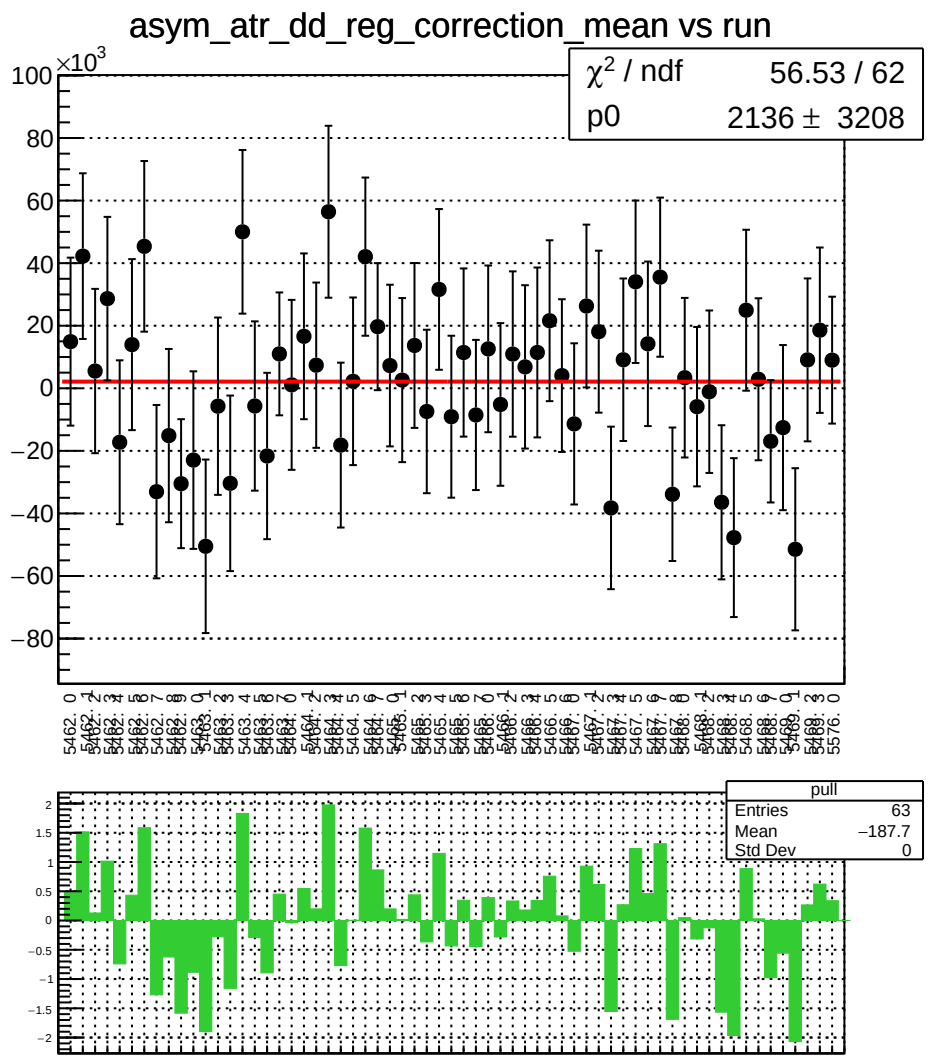

pull1D
Entries 63
Mean −0.09405
Std Dev 0.8865

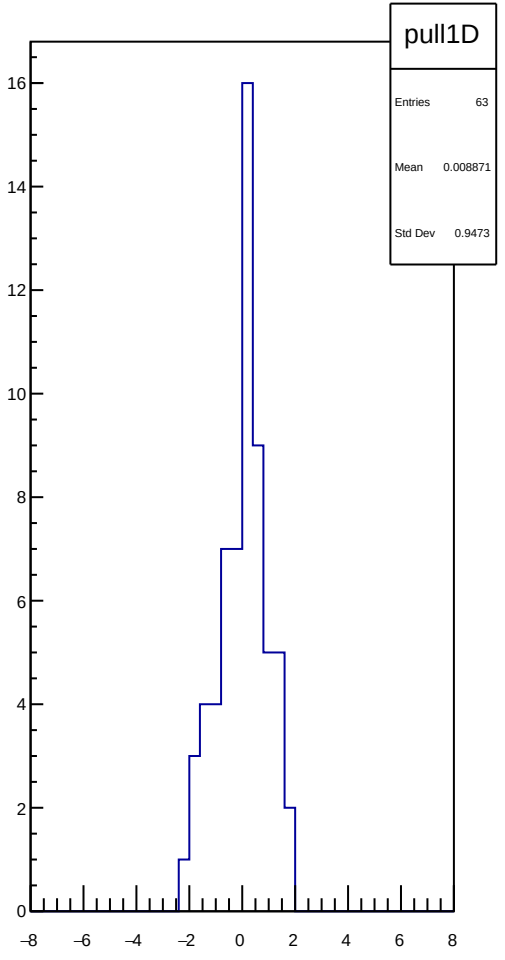

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.013e+05 / 62
p0 6.605e−11 ± 7.341e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

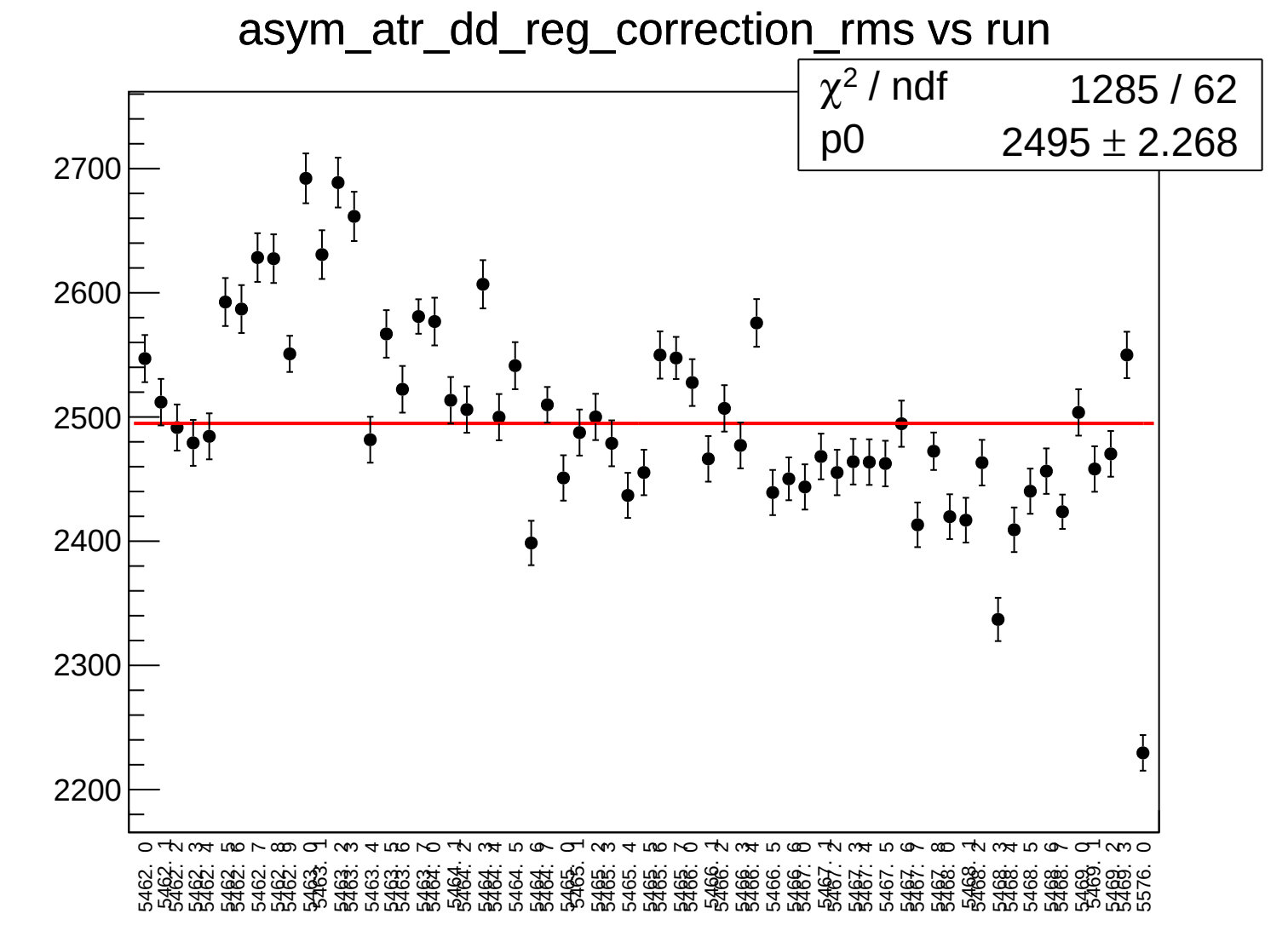

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.33 / 62
p0 −3408 ± 2113
pull
Entries 63
Mean 131.4
Std Dev 0

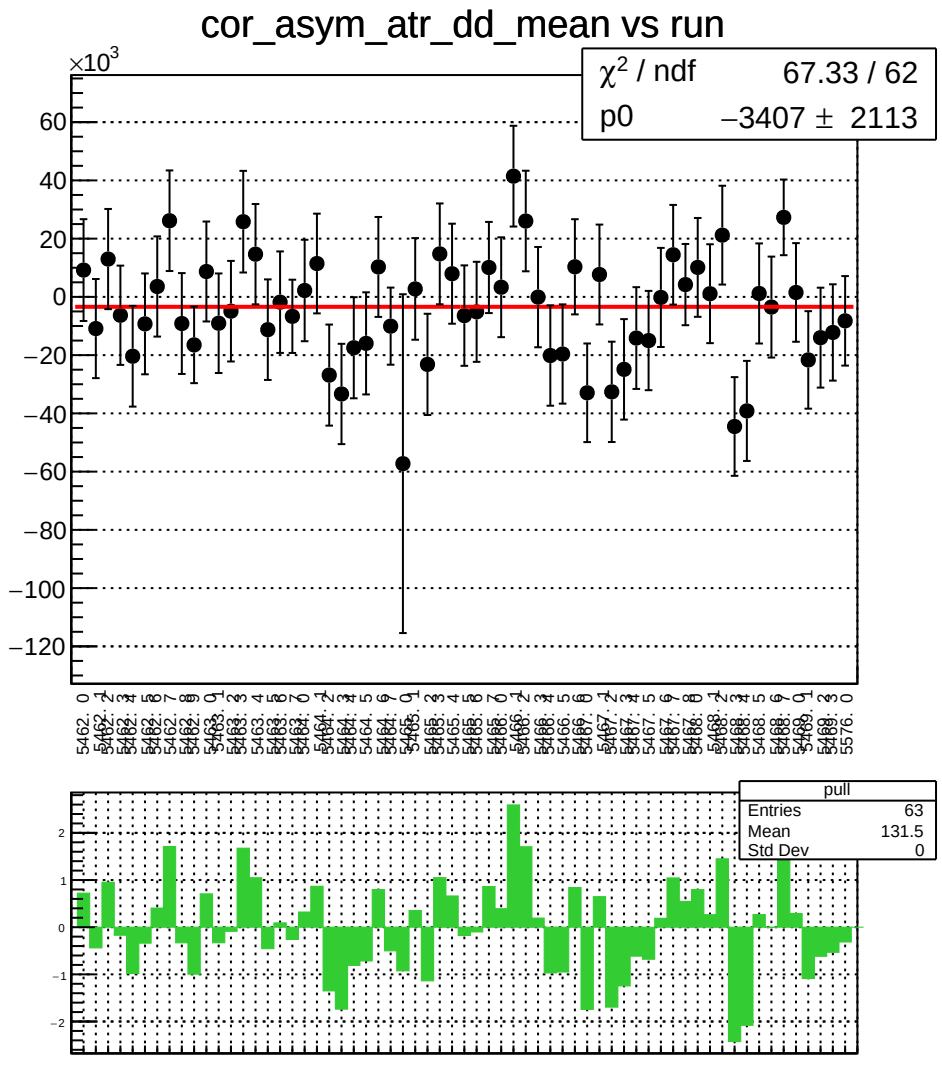

pull1D
Entries 63
Mean −0.01578
Std Dev 1.034

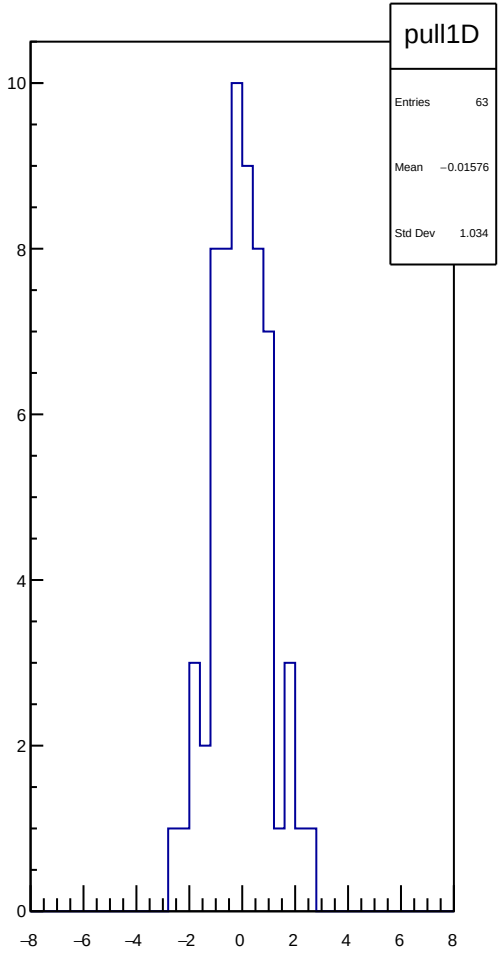

reg_asym_atr_dd_rms vs run
χ^2 / ndf 9058 / 62
p0 1638 ± 1.494
5500
5000
4500
4000
3500
3000
2500
2000
1500

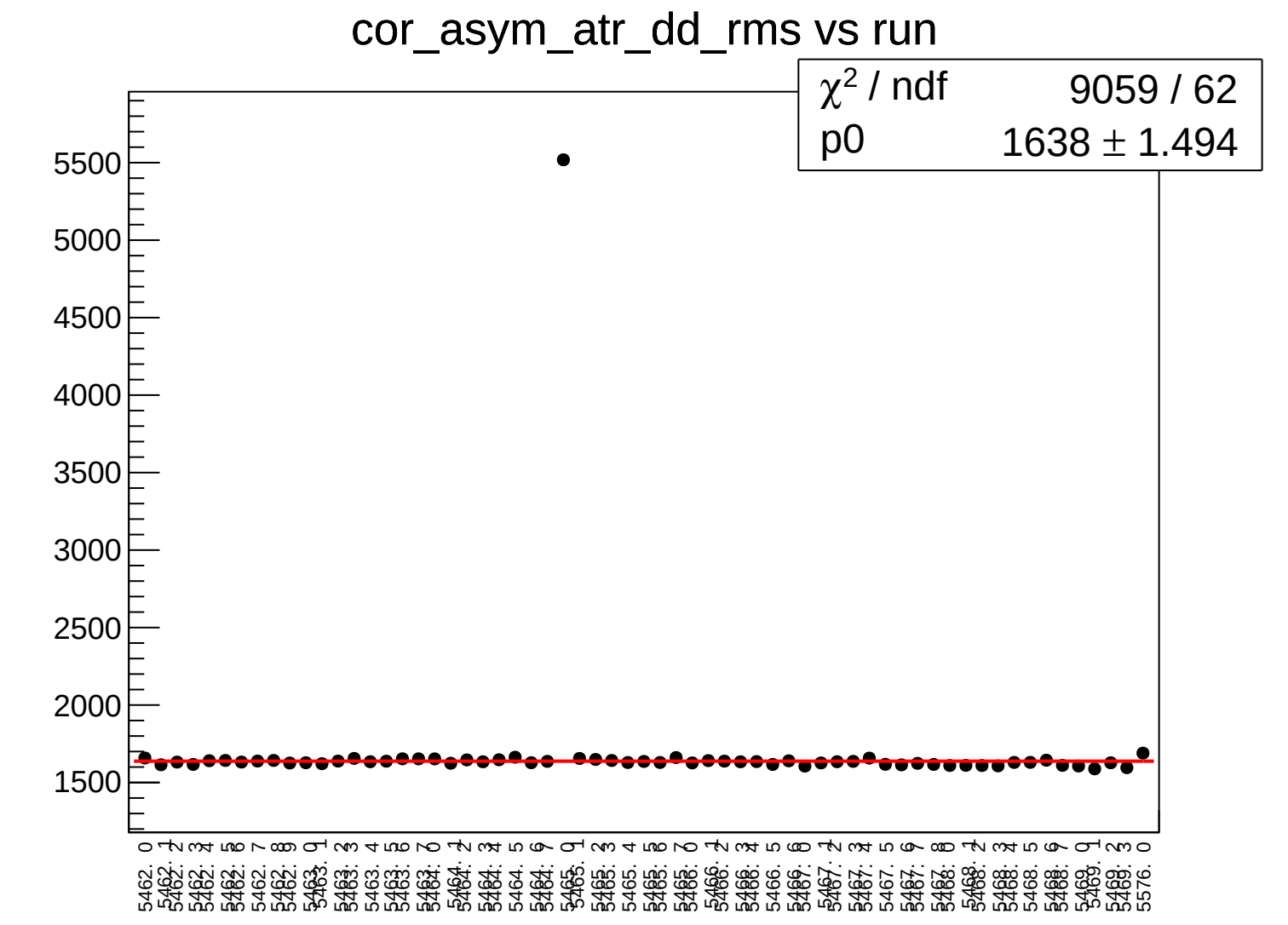

asym_atr_dd_reg_correction_mean vs run
χ² / ndf 56.53 / 62
p0 2136 ± 3208
×10³
pull
Entries 63
Mean −187.7
Std Dev 0

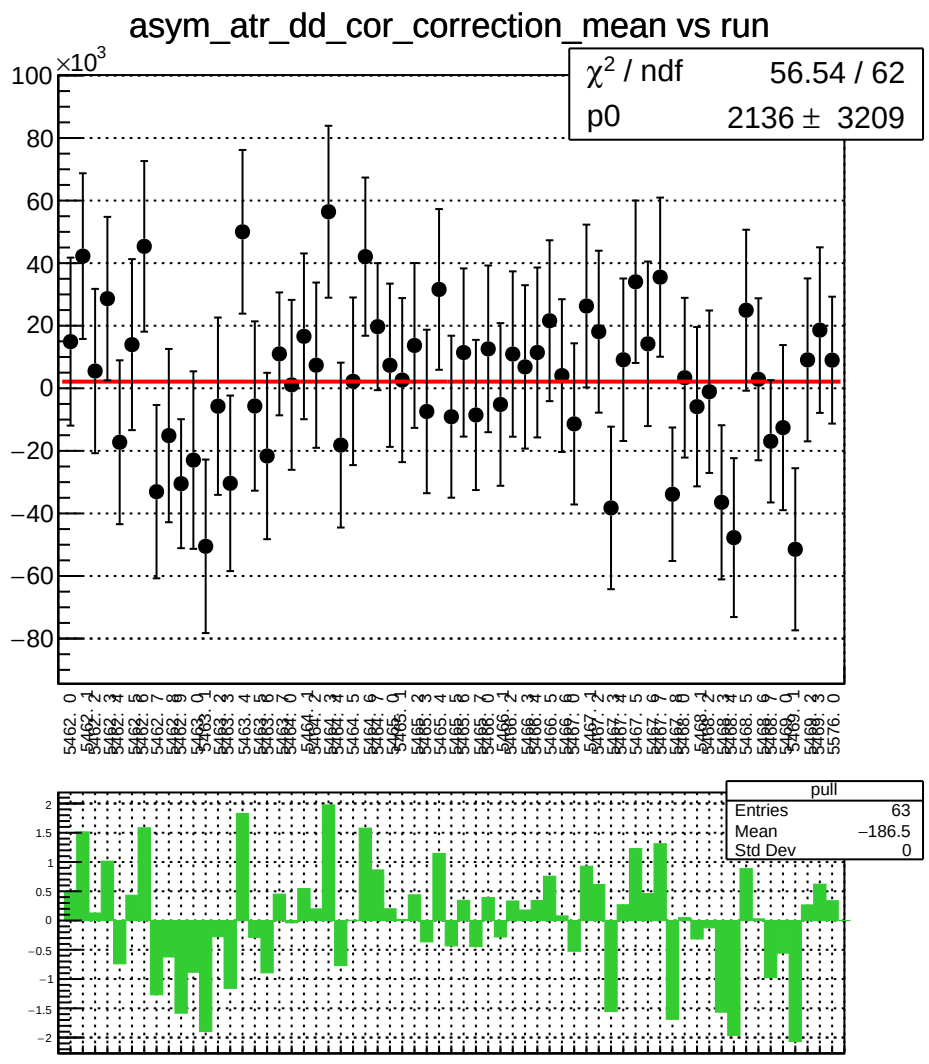

pull1D
Entries 63
Mean 0.008871
Std Dev 0.9473

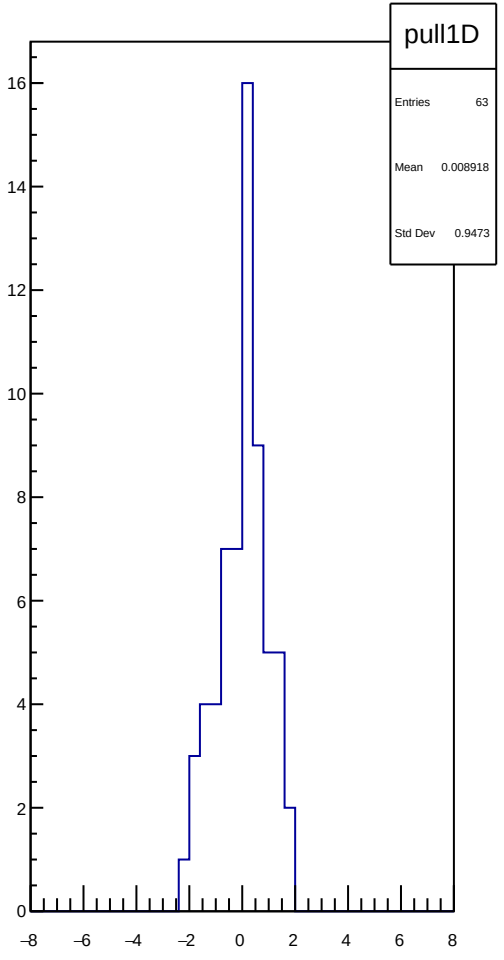

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 1285 / 62
p0 2495 ± 2.268
2700
2600
2500
2400
2300
2200

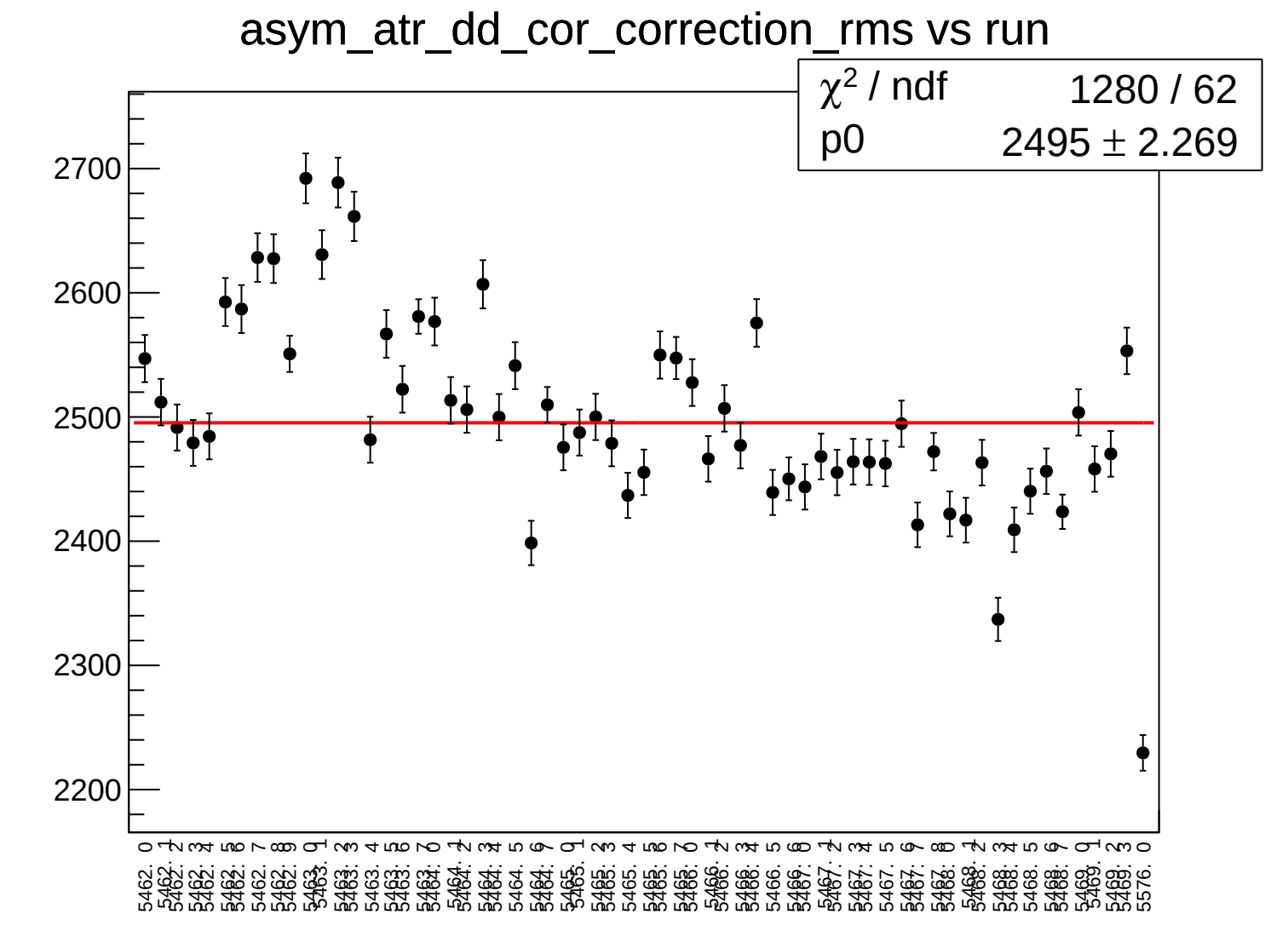

cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.33 / 62
p0 −3407 ± 2113
pull
Entries 63
Mean 131.5
Std Dev 0

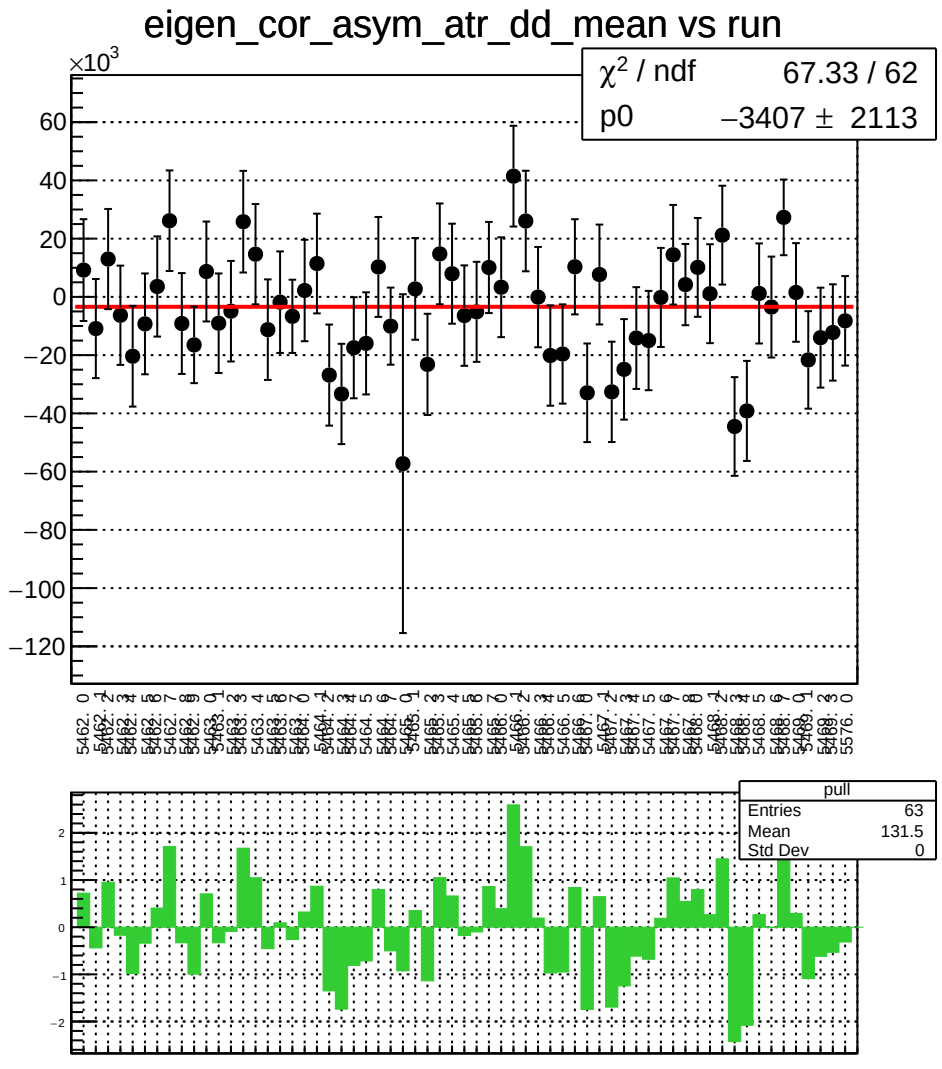

pull1D
Entries 63
Mean −0.01576
Std Dev 1.034

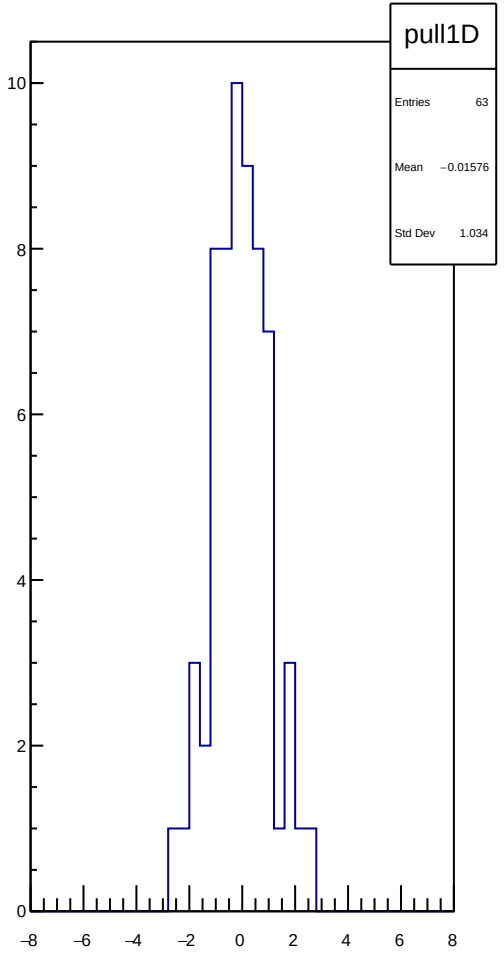

cor_asym_atr_dd_rms vs run
χ^2 / ndf 9059 / 62
p0 1638 ± 1.494
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

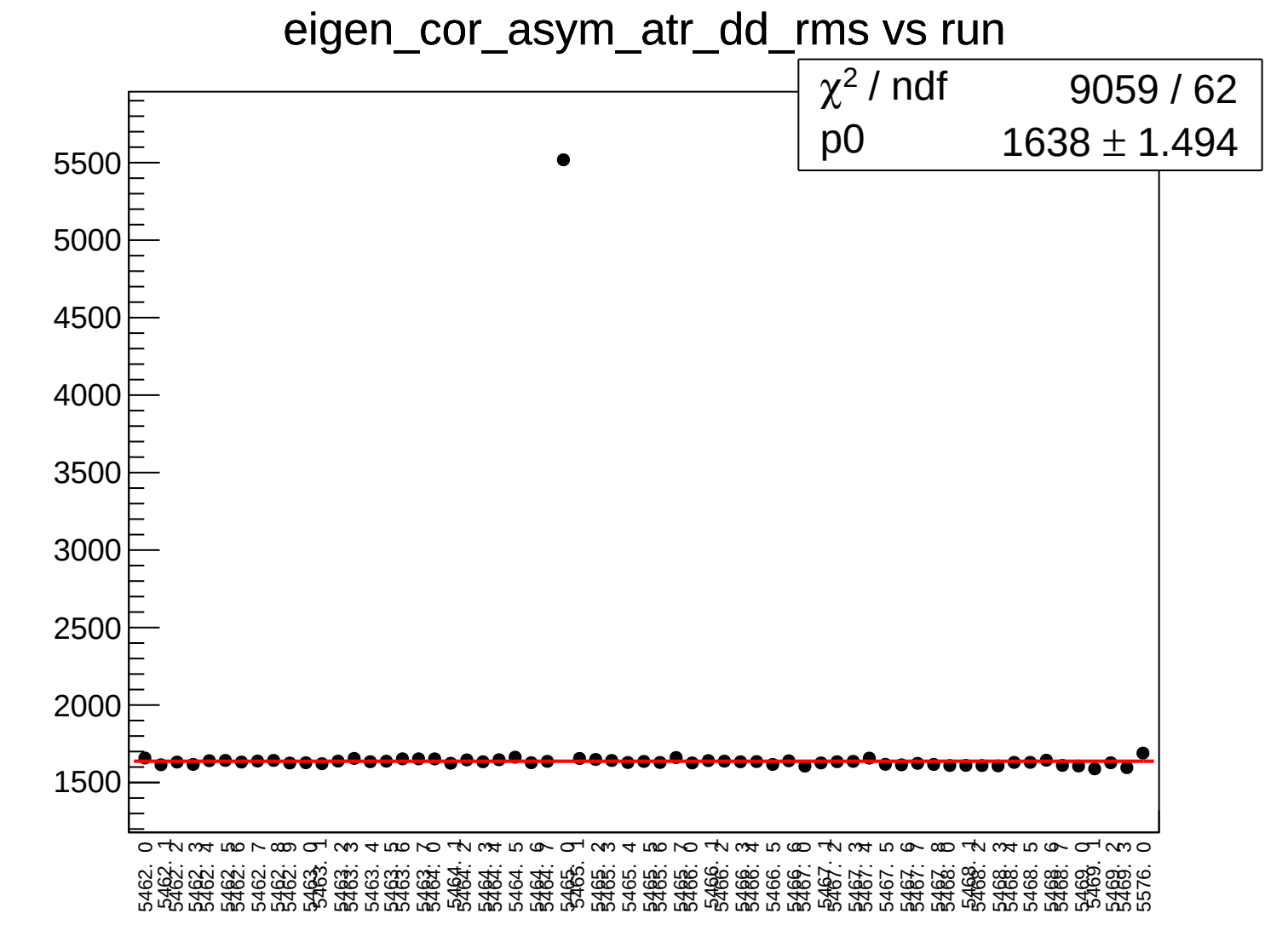

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 56.54 / 62
p0 2136 ± 3209
×10³
pull
Entries 63
Mean −186.5
Std Dev 0

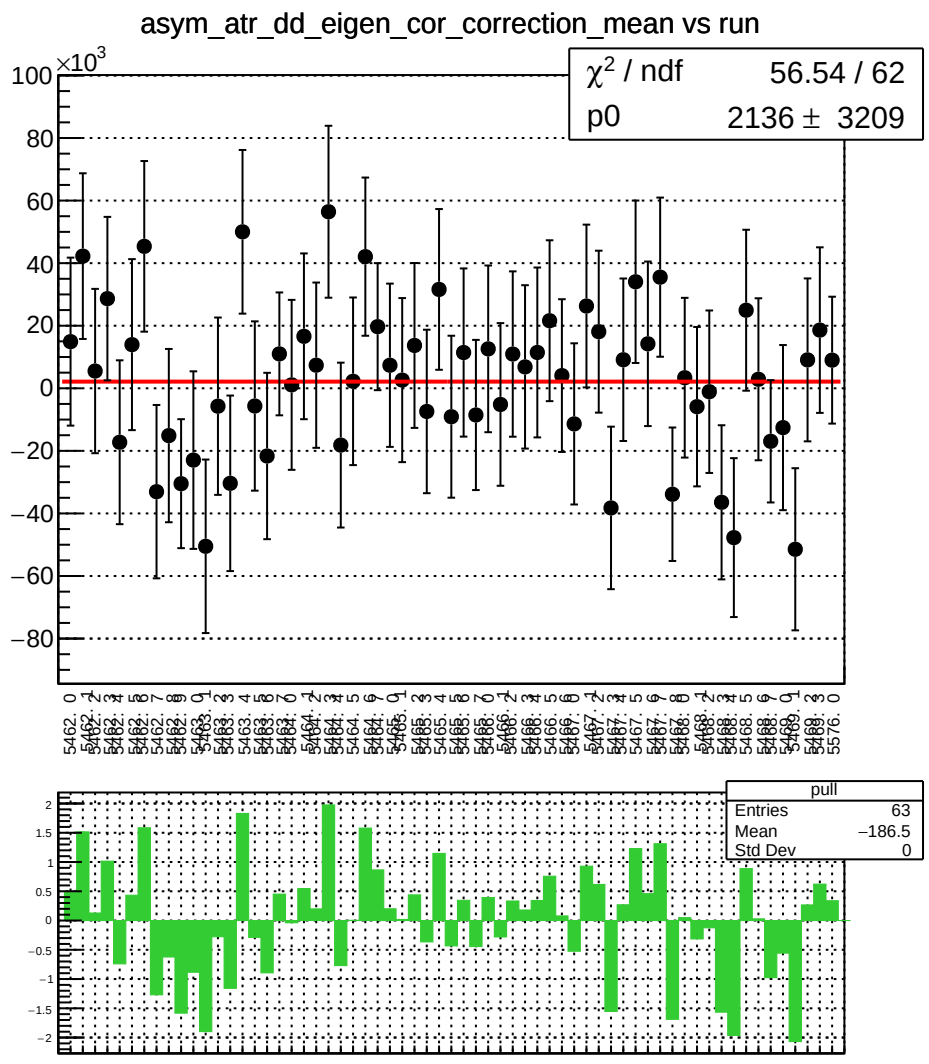

pull1D
Entries 63
Mean 0.008918
Std Dev 0.9473

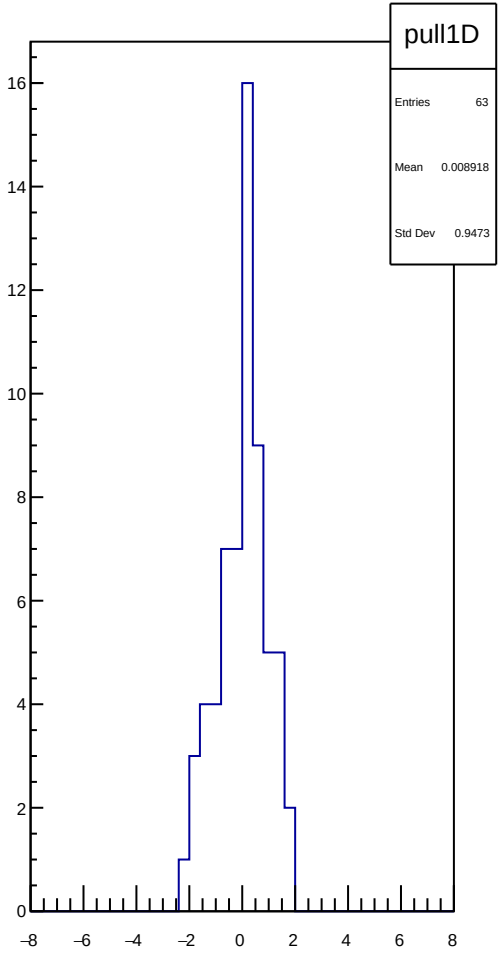

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 1280 / 62
p0 2495 ± 2.269
2700
2600
2500
2400
2300
2200

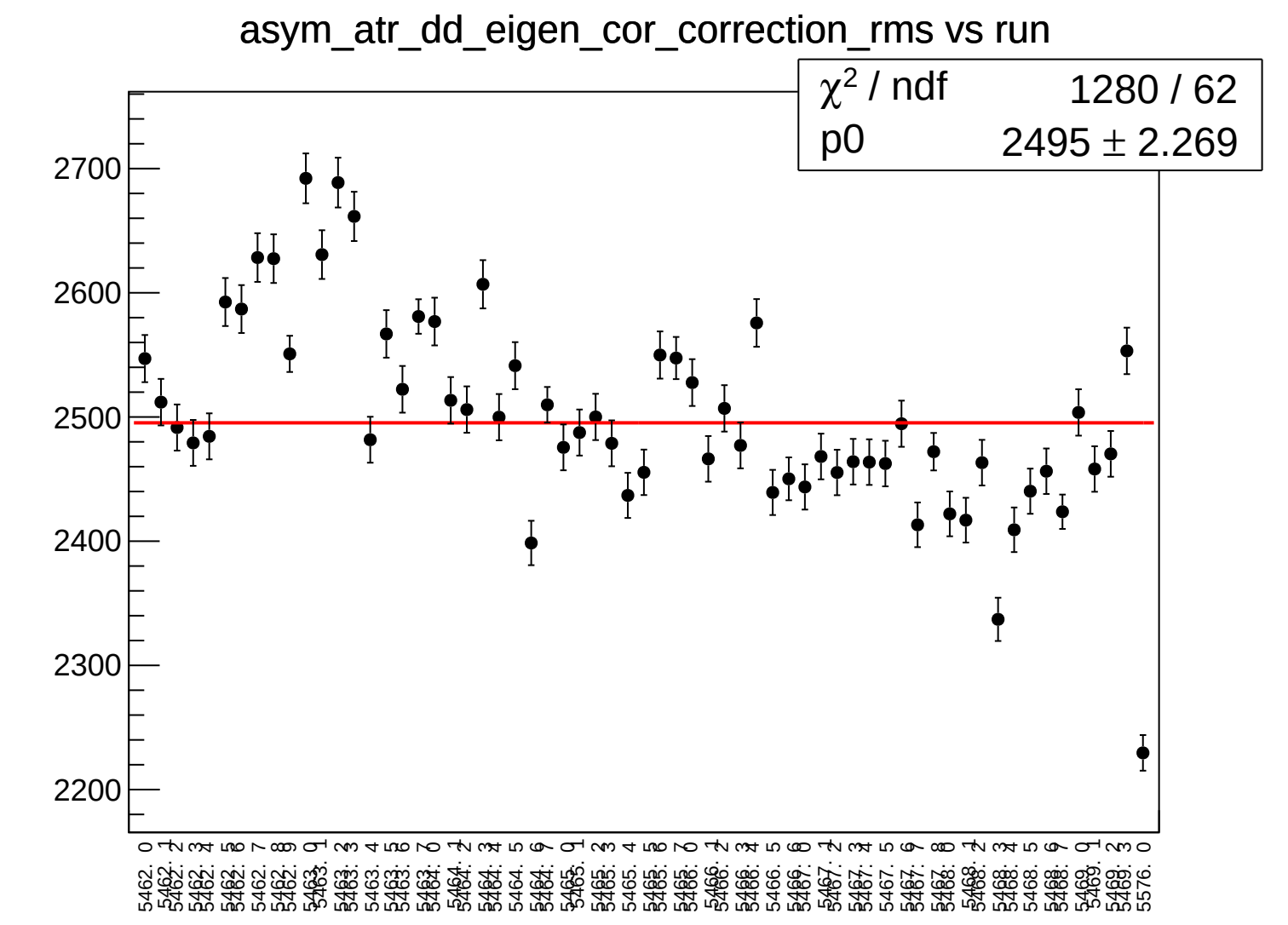

eigen_cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.33 / 62
p0 −3407 ± 2113
pull
Entries 63
Mean 131.5
Std Dev 0

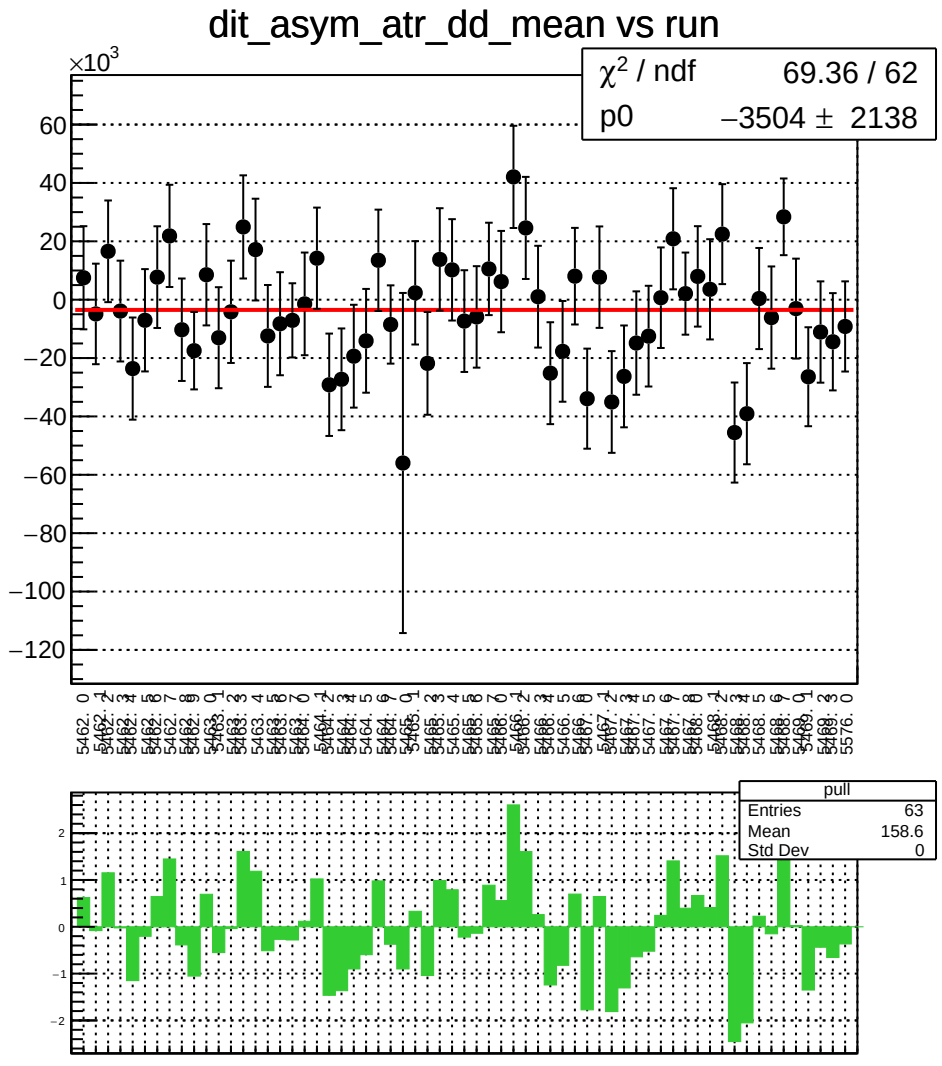

pull1D
Entries 63
Mean −0.01576
Std Dev 1.034

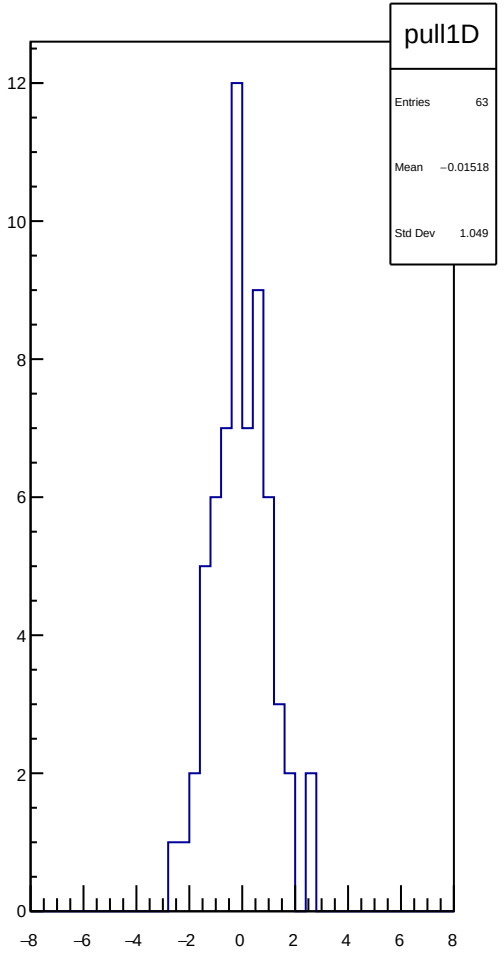

eigen_cor_asym_atr_dd_rms vs run
χ^2 / ndf 9059 / 62
p0 1638 ± 1.494
5500
5000
4500
4000
3500
3000
2500
2000
1500

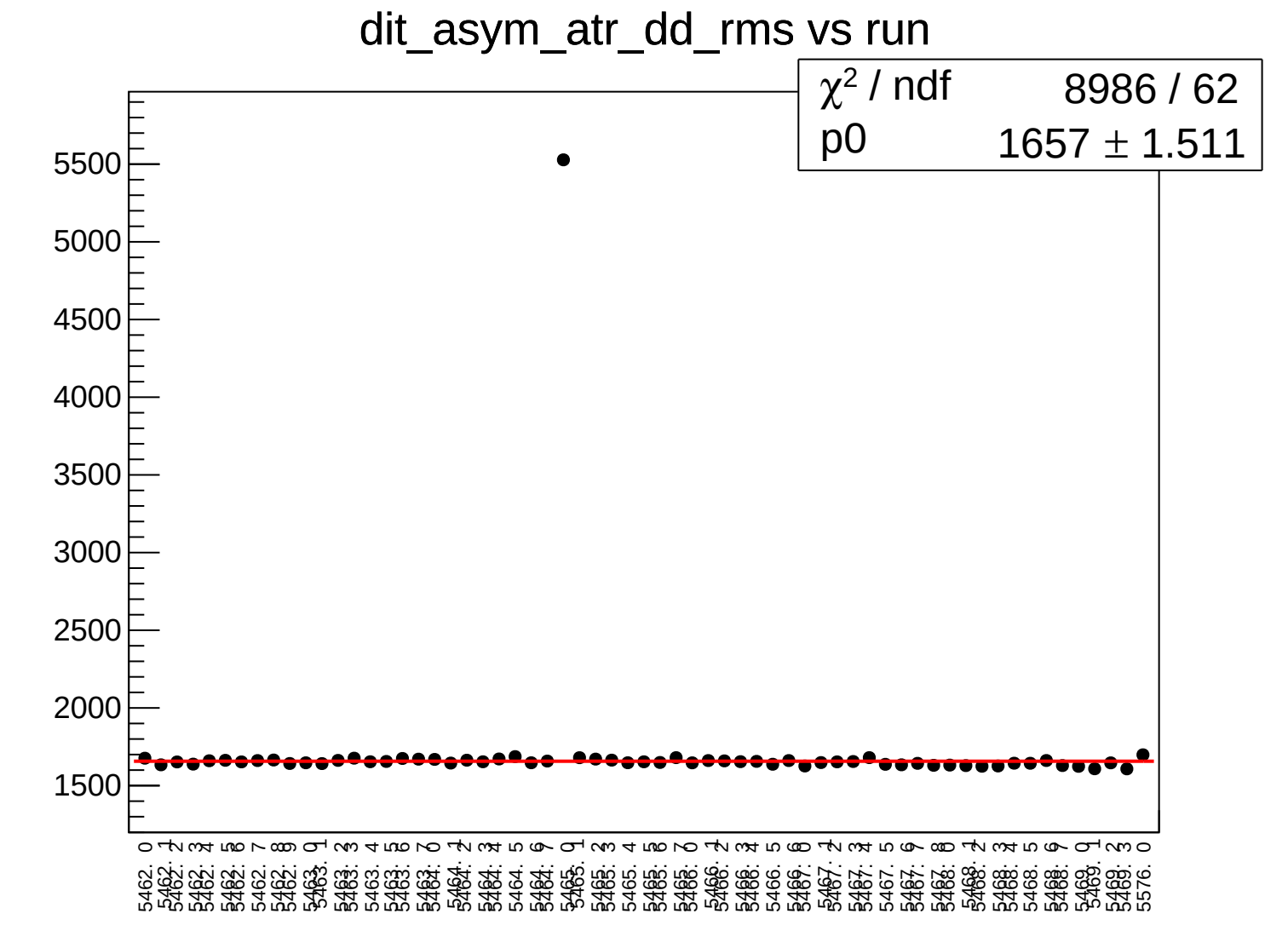

asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.54 / 62
p0 2136 ± 3209
×10³
pull
Entries 63
Mean −186.5
Std Dev 0

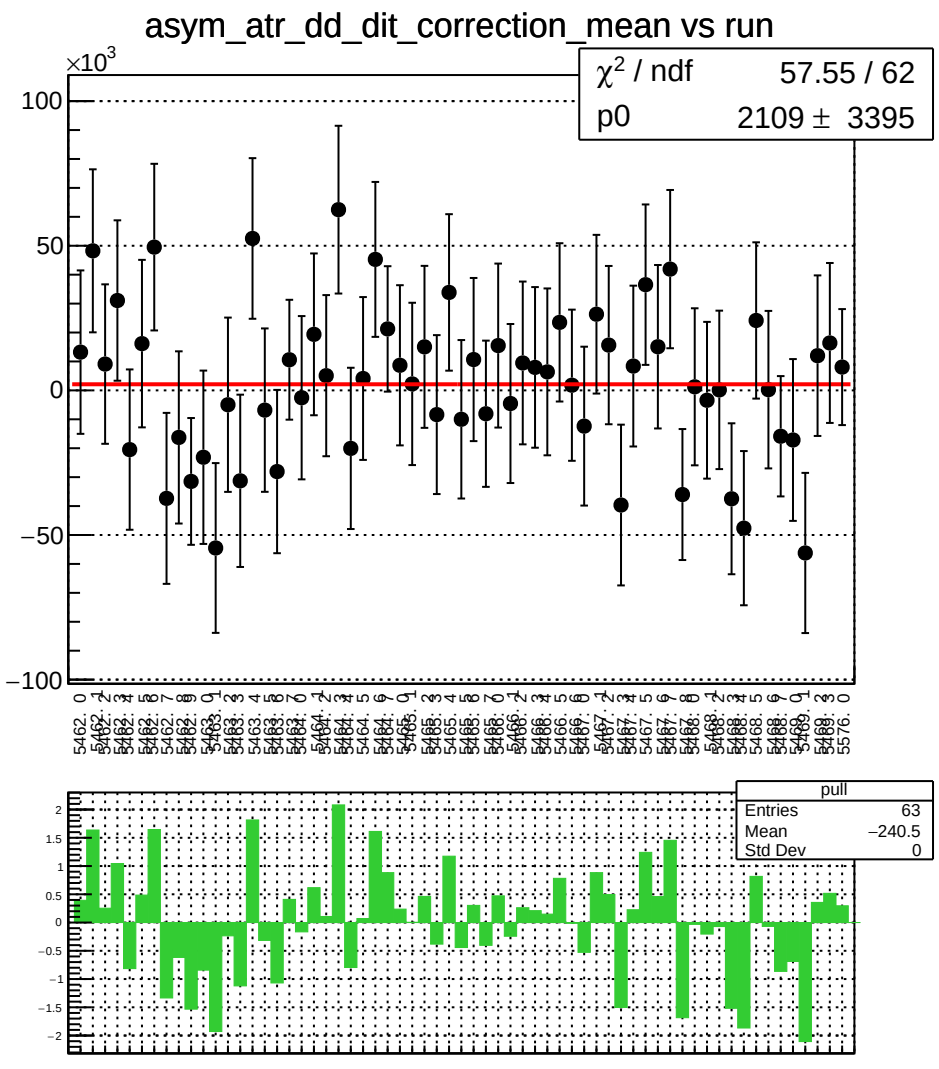

pull1D
Entries 63
Mean 0.008918
Std Dev 0.9473

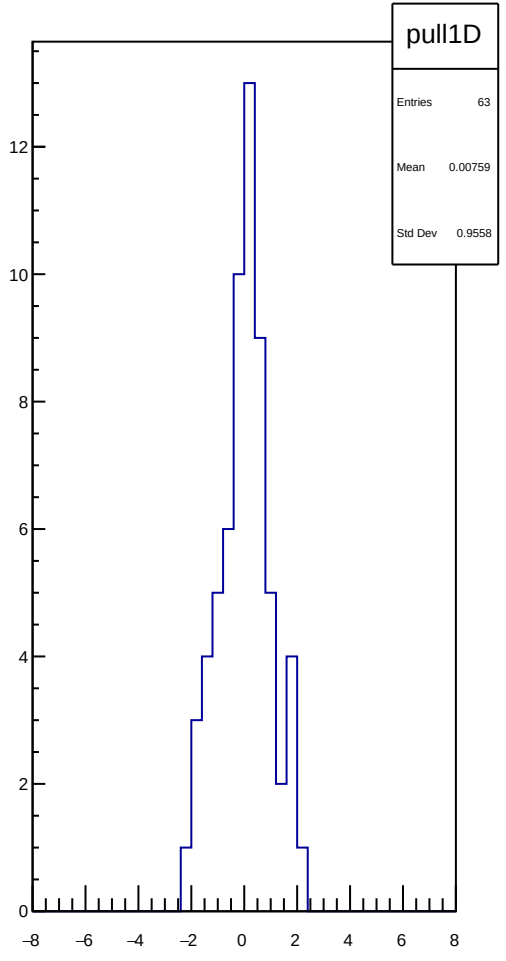

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 1280 / 62
p0 2495 ± 2.269
2700
2600
2500
2400
2300
2200

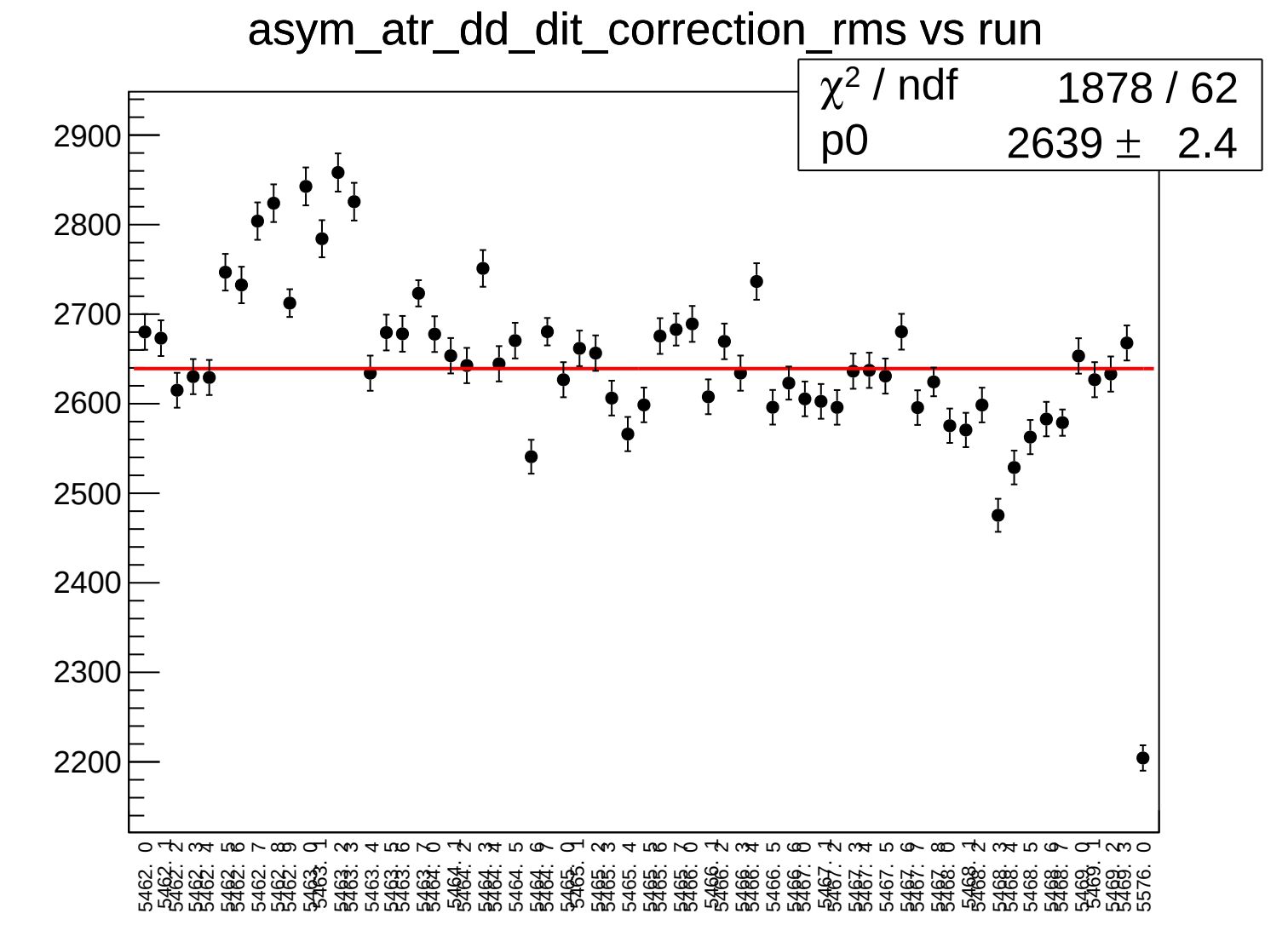

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.36 / 62
p0 −3504 ± 2138
pull
Entries 63
Mean 158.6
Std Dev 0

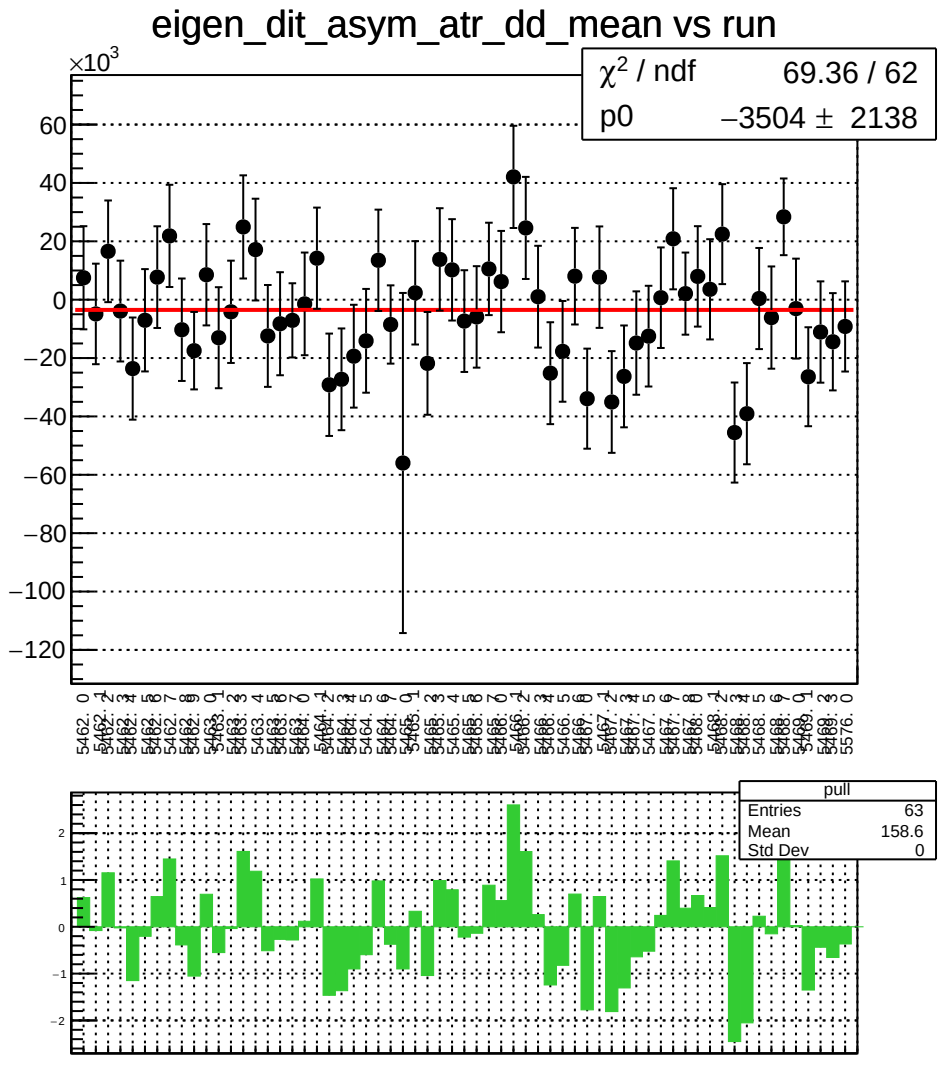

pull1D
Entries 63
Mean −0.01518
Std Dev 1.049

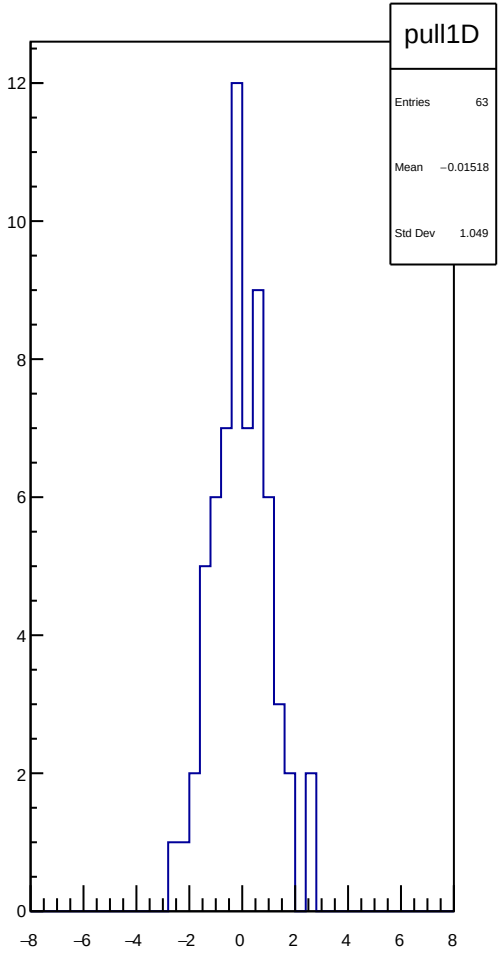

dit_asym_atr_dd_rms vs run
χ² / ndf 8986 / 62
p0 1657 ± 1.511
5500
5000
4500
4000
3500
3000
2500
2000
1500

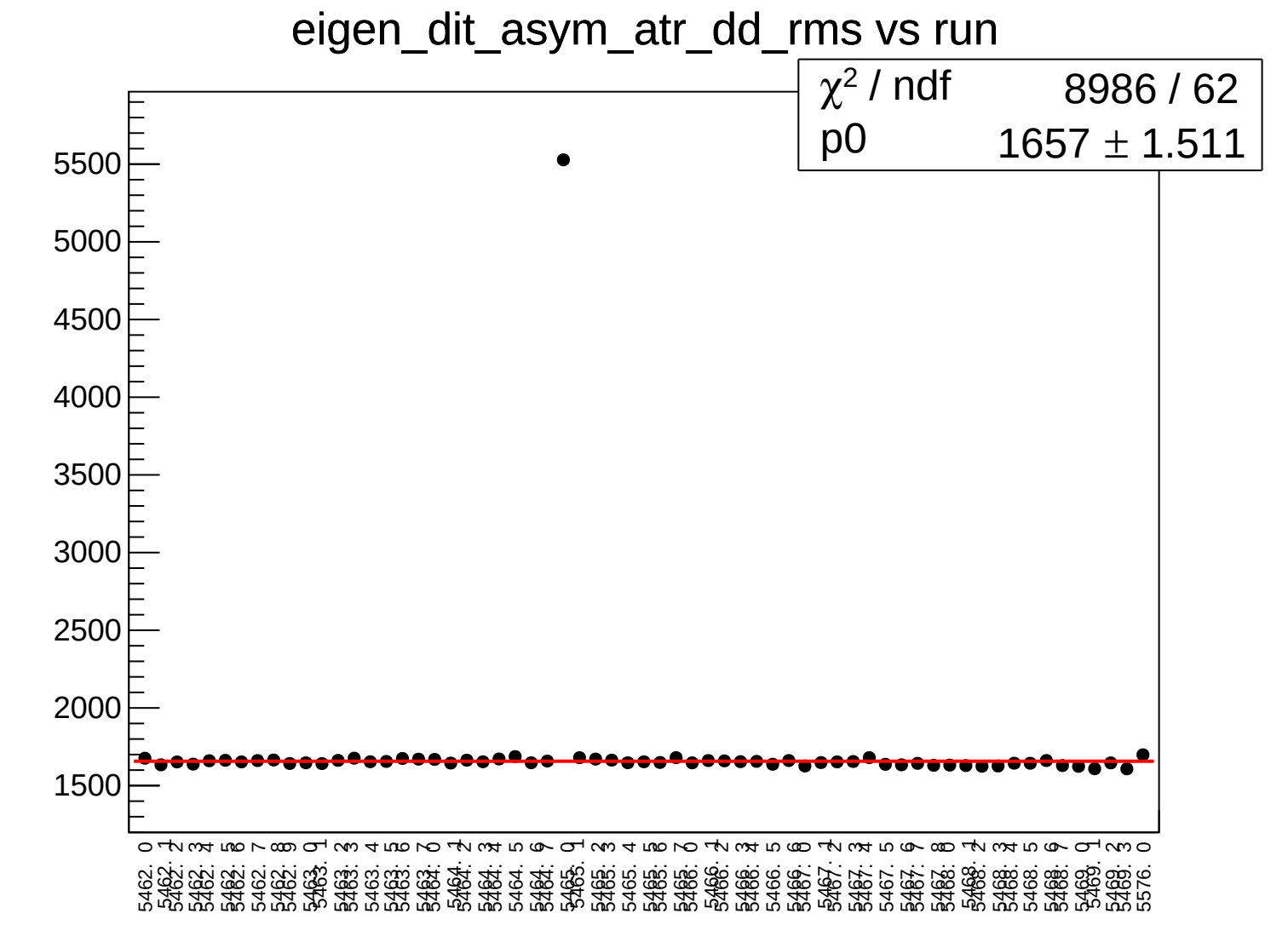

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.55 / 62
p0 2109 ± 3395
100
50
0
−50
−100
pull
Entries 63
Mean −240.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

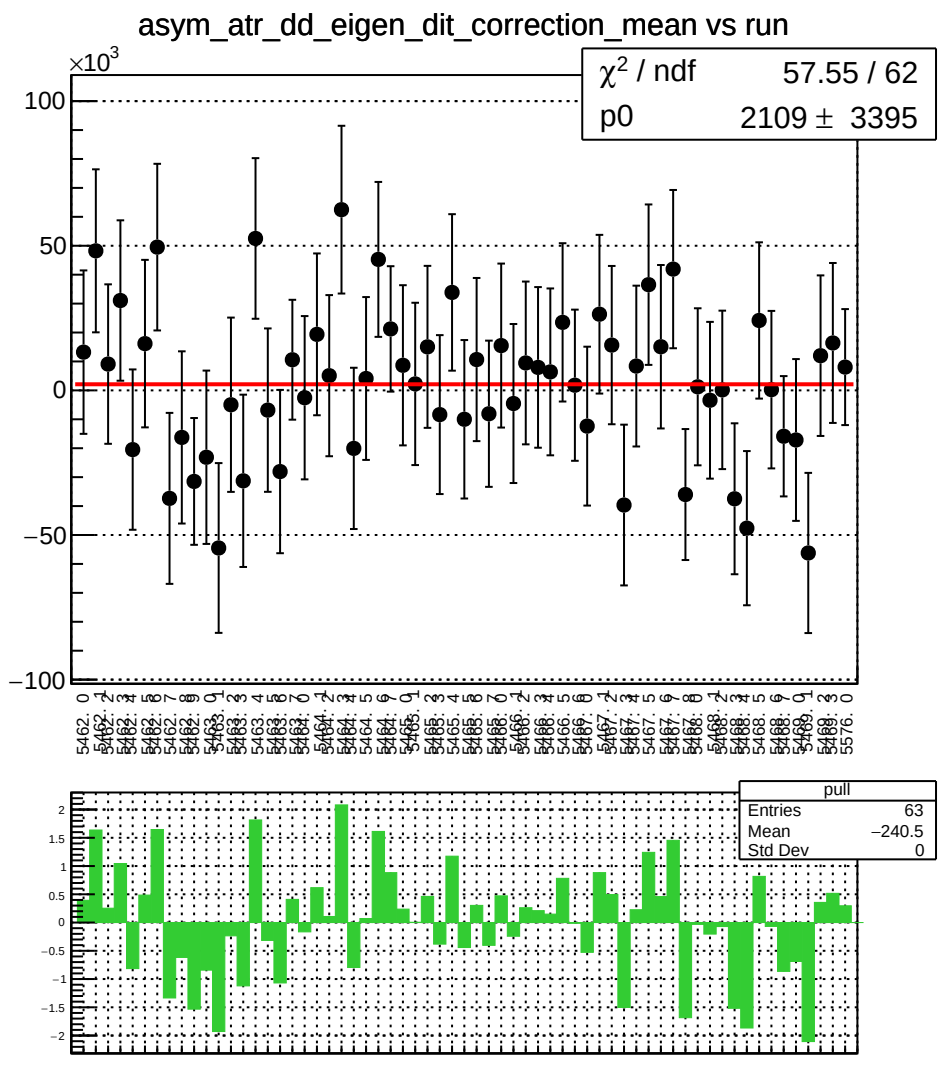

pull1D
Entries 63
Mean 0.00759
Std Dev 0.9558
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

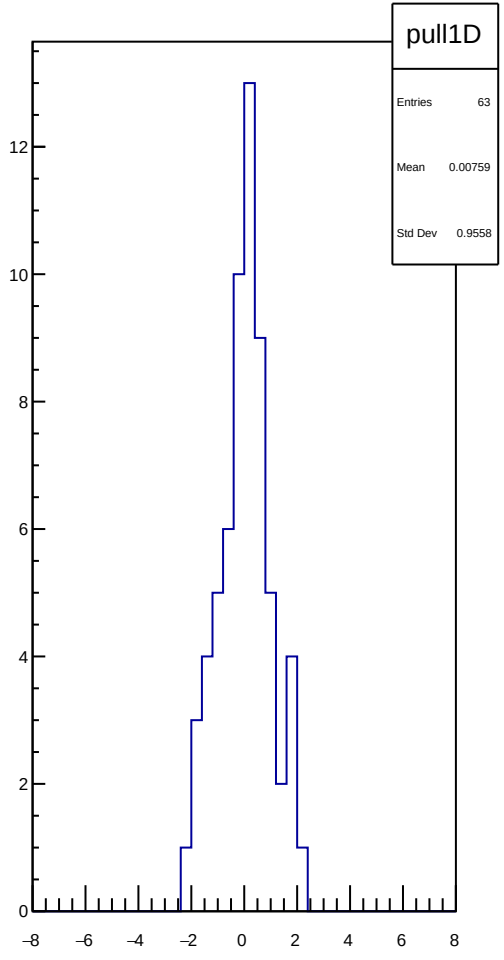

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 1878 / 62
p0 2639 ± 2.4
2900
2800
2700
2600
2500
2400
2300
2200

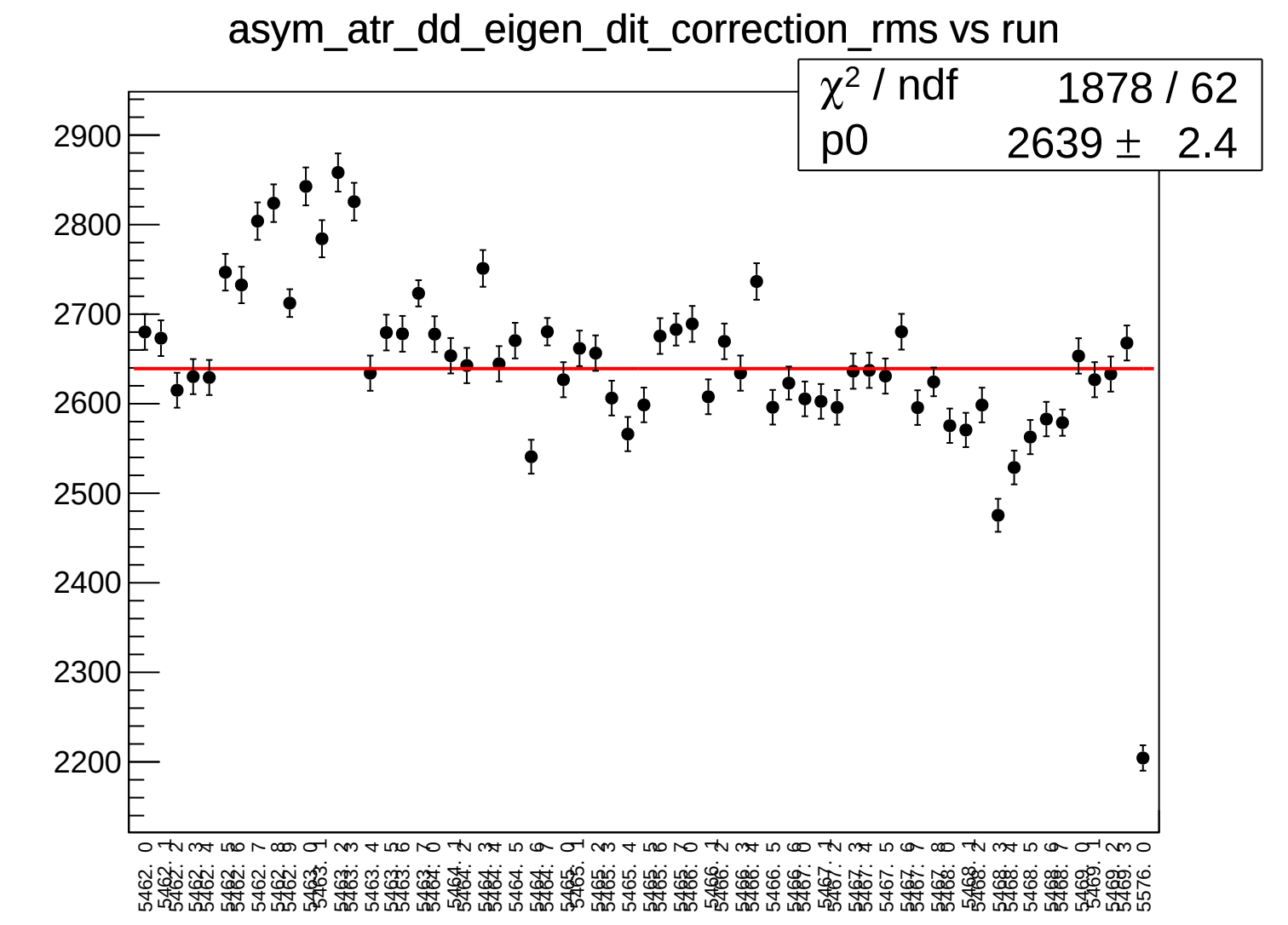

eigen_dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.36 / 62
p0 −3504 ± 2138
pull
Entries 63
Mean 158.6
Std Dev 0

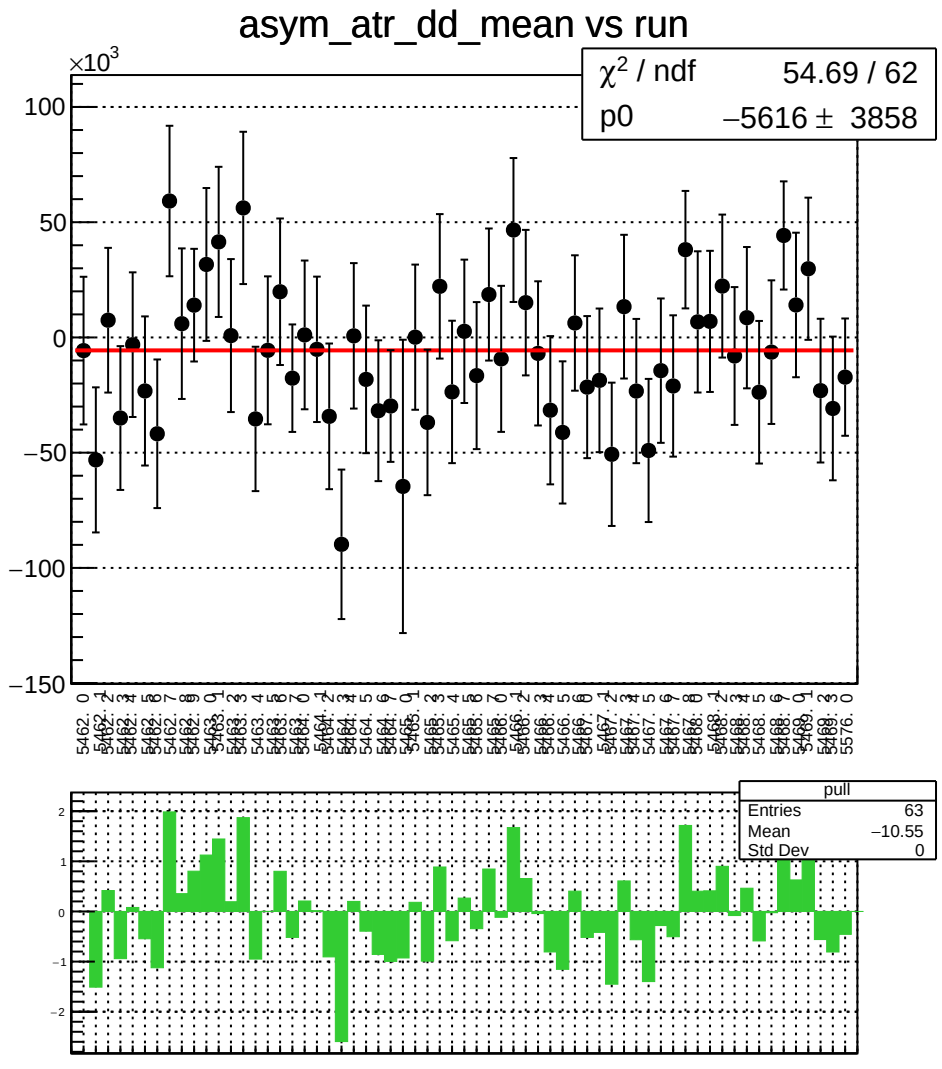

pull1D
Entries 63
Mean −0.01518
Std Dev 1.049

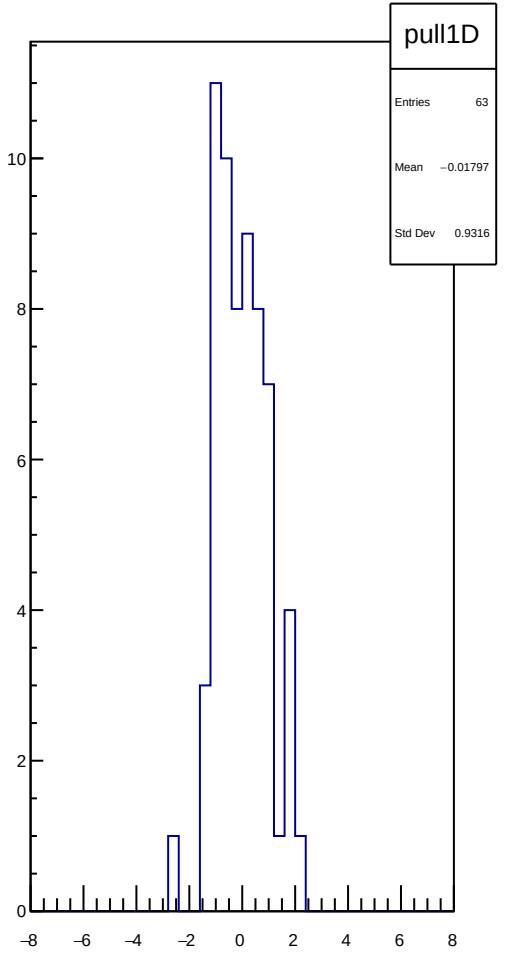

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 8986 / 62
p0 1657 ± 1.511
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

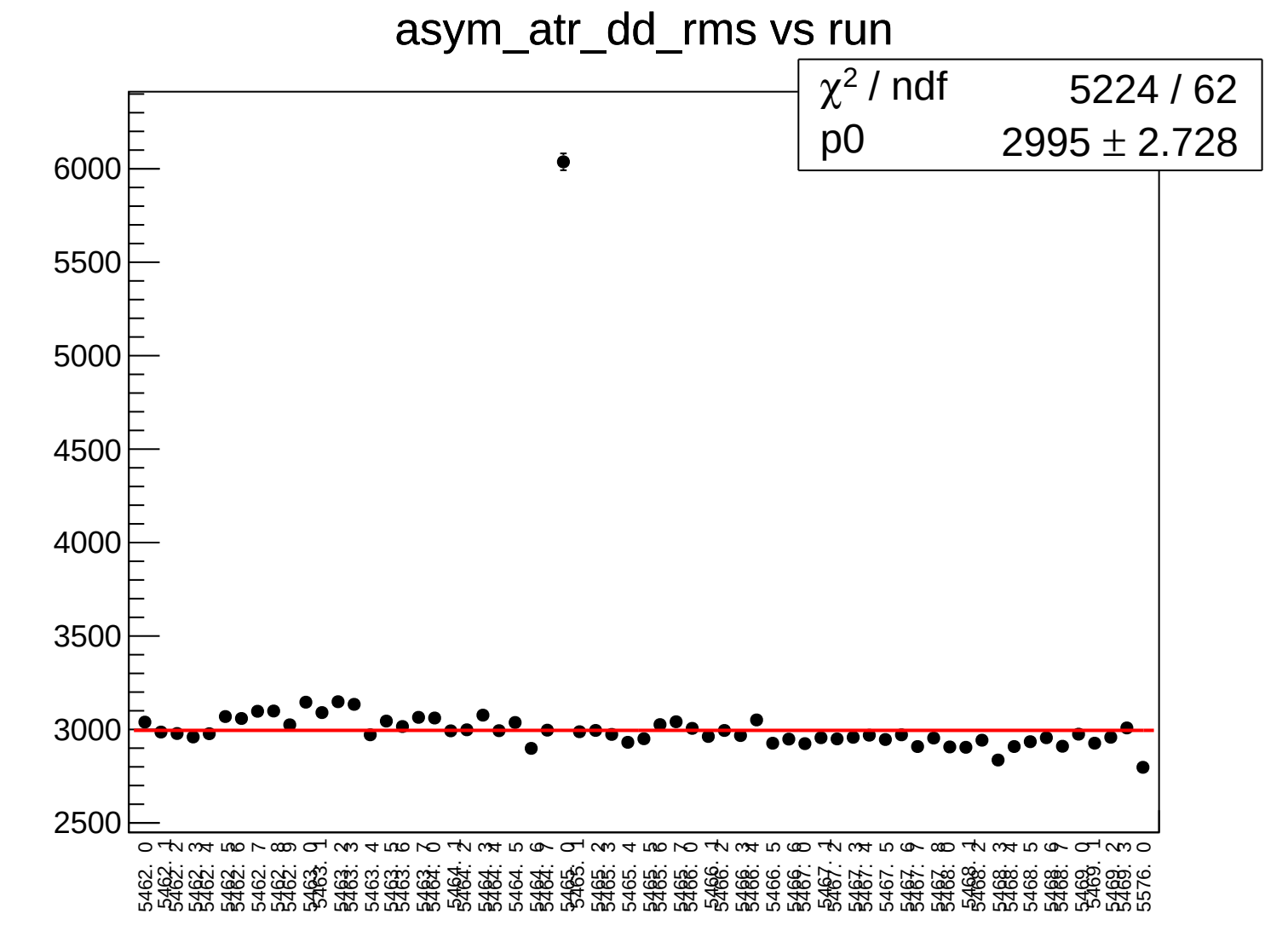

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.55 / 62
p0 2109 ± 3395
100
50
0
−50
−100
pull
Entries 63
Mean −240.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

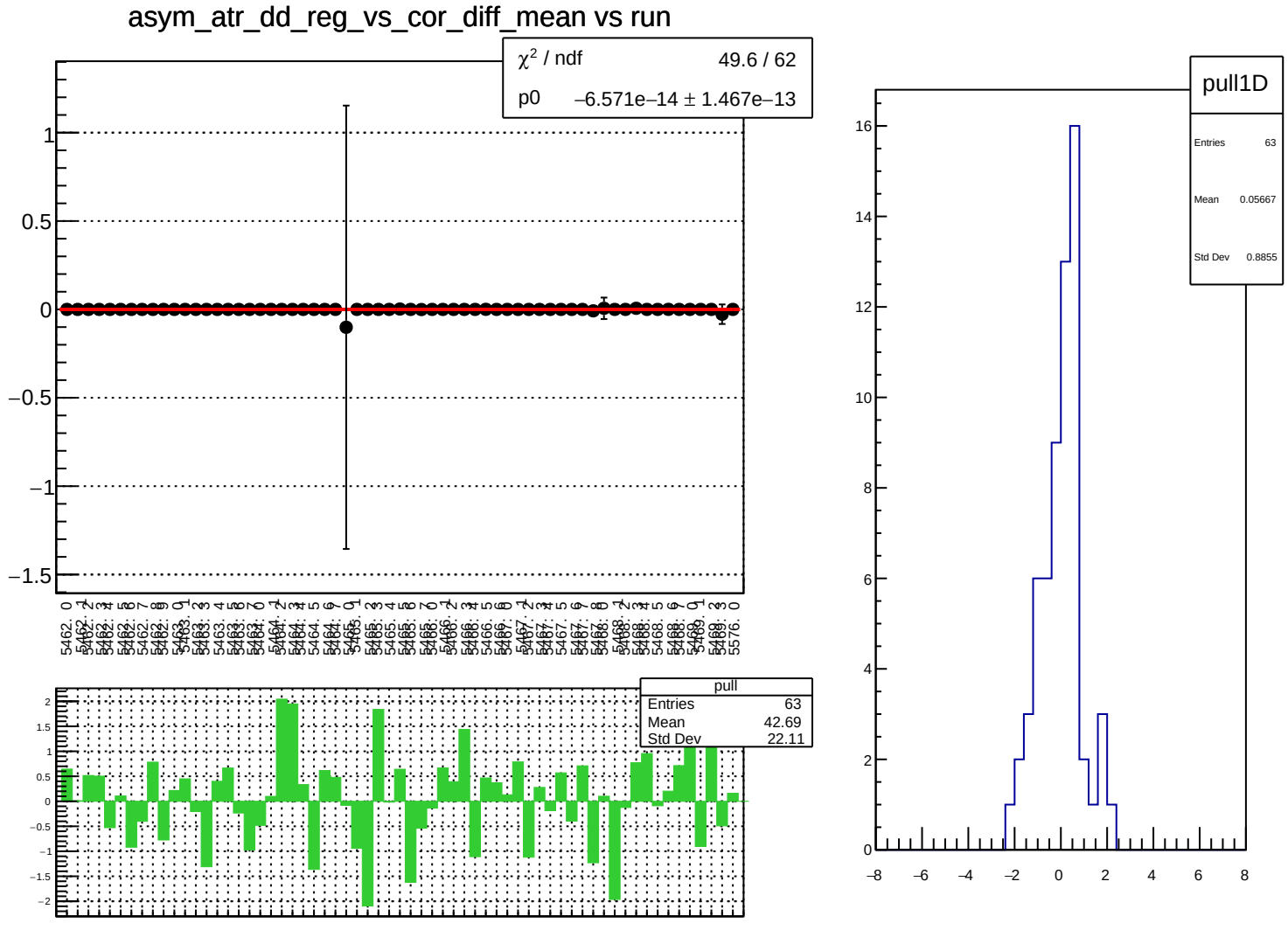

pull1D
Entries 63
Mean 0.00759
Std Dev 0.9558
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

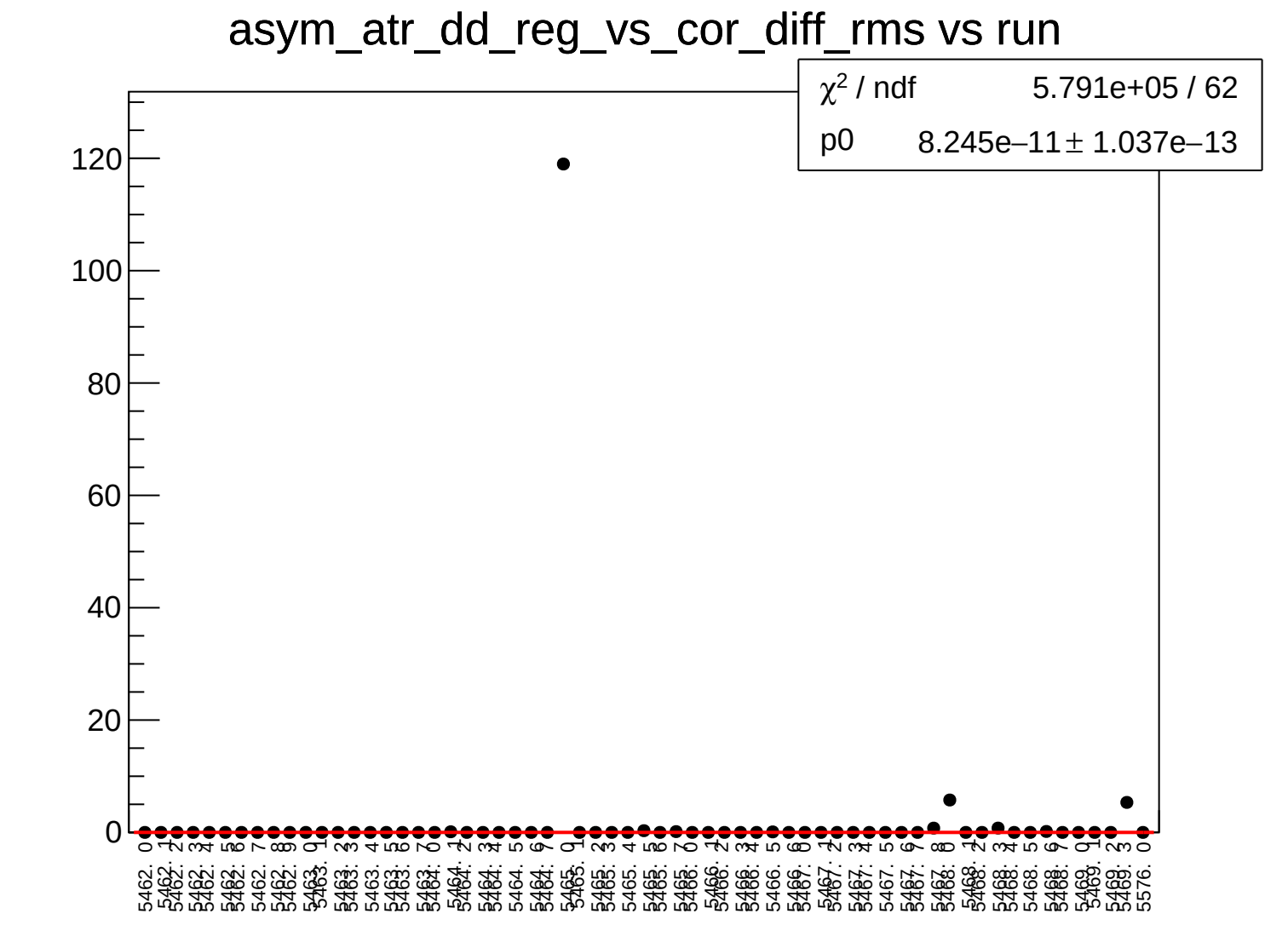

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 1878 / 62
p0 2639 ± 2.4
2900
2800
2700
2600
2500
2400
2300
2200

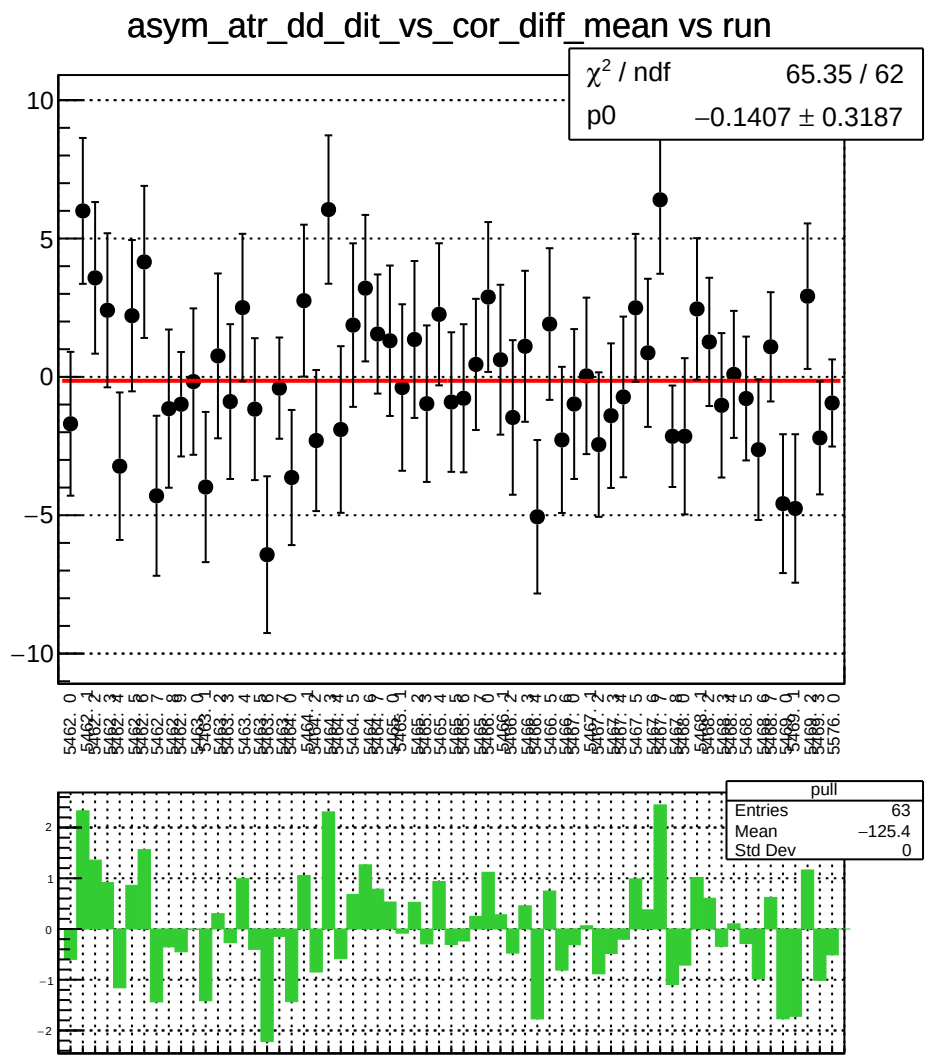

asym_atr_dd_mean vs run
×10^3
χ² / ndf 54.69 / 62
p0 −5616 ± 3858
100
50
0
−50
−100
−150
pull
Entries 63
Mean −10.55
Std Dev 0
2
1
0
−1
−2

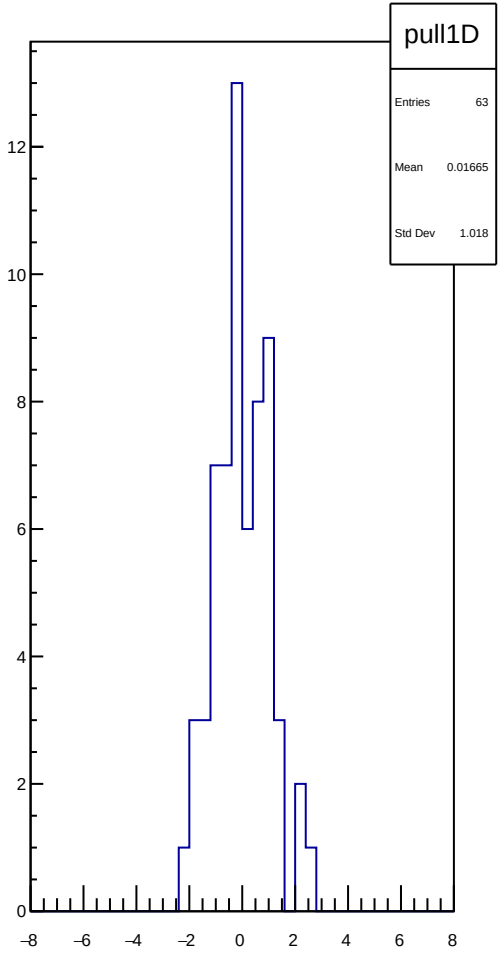

pull1D
Entries 63
Mean −0.01797
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

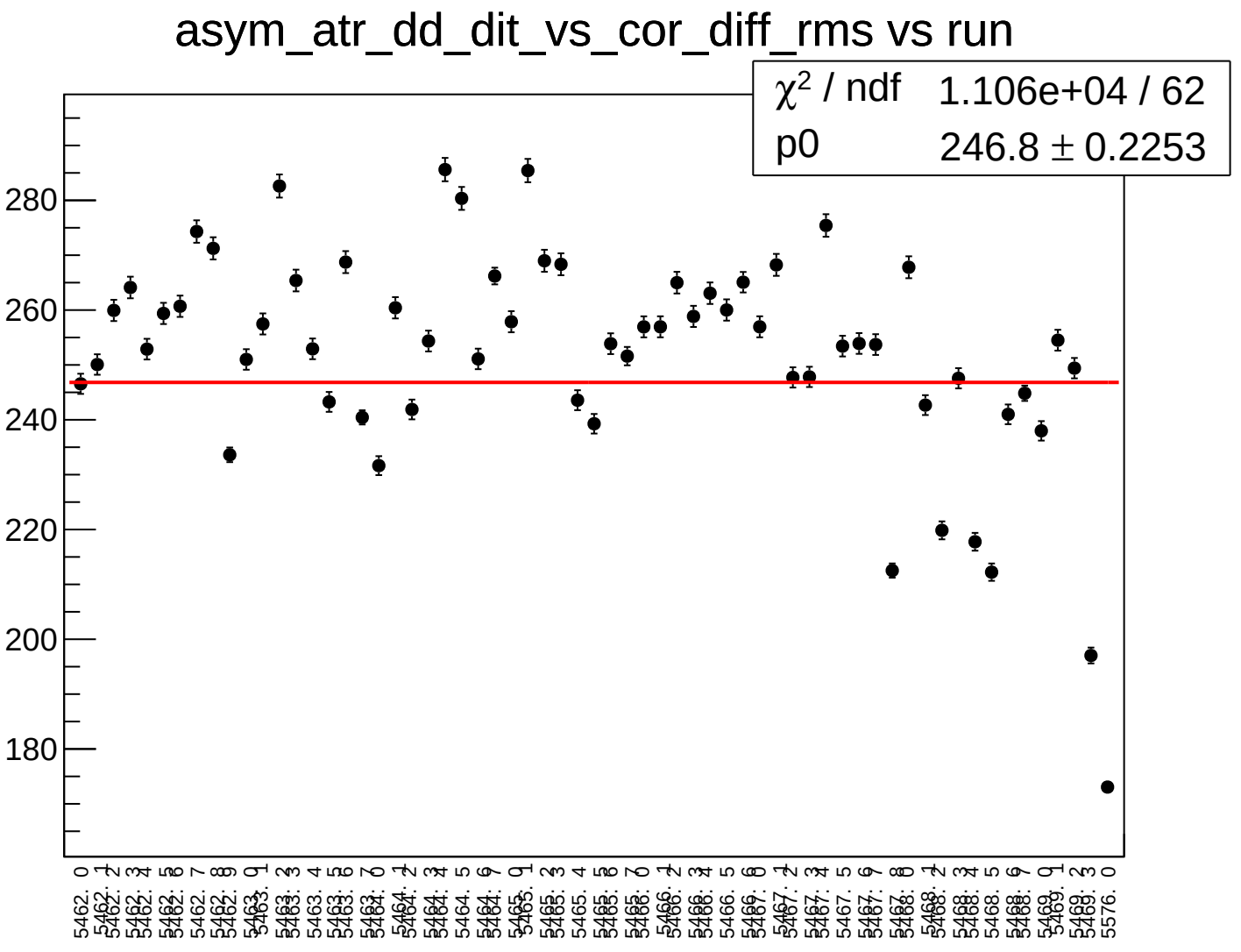

asym_atr_dd_rms vs run
χ² / ndf 5224 / 62
p0 2995 ± 2.728
6000
5500
5000
4500
4000
3500
3000
2500

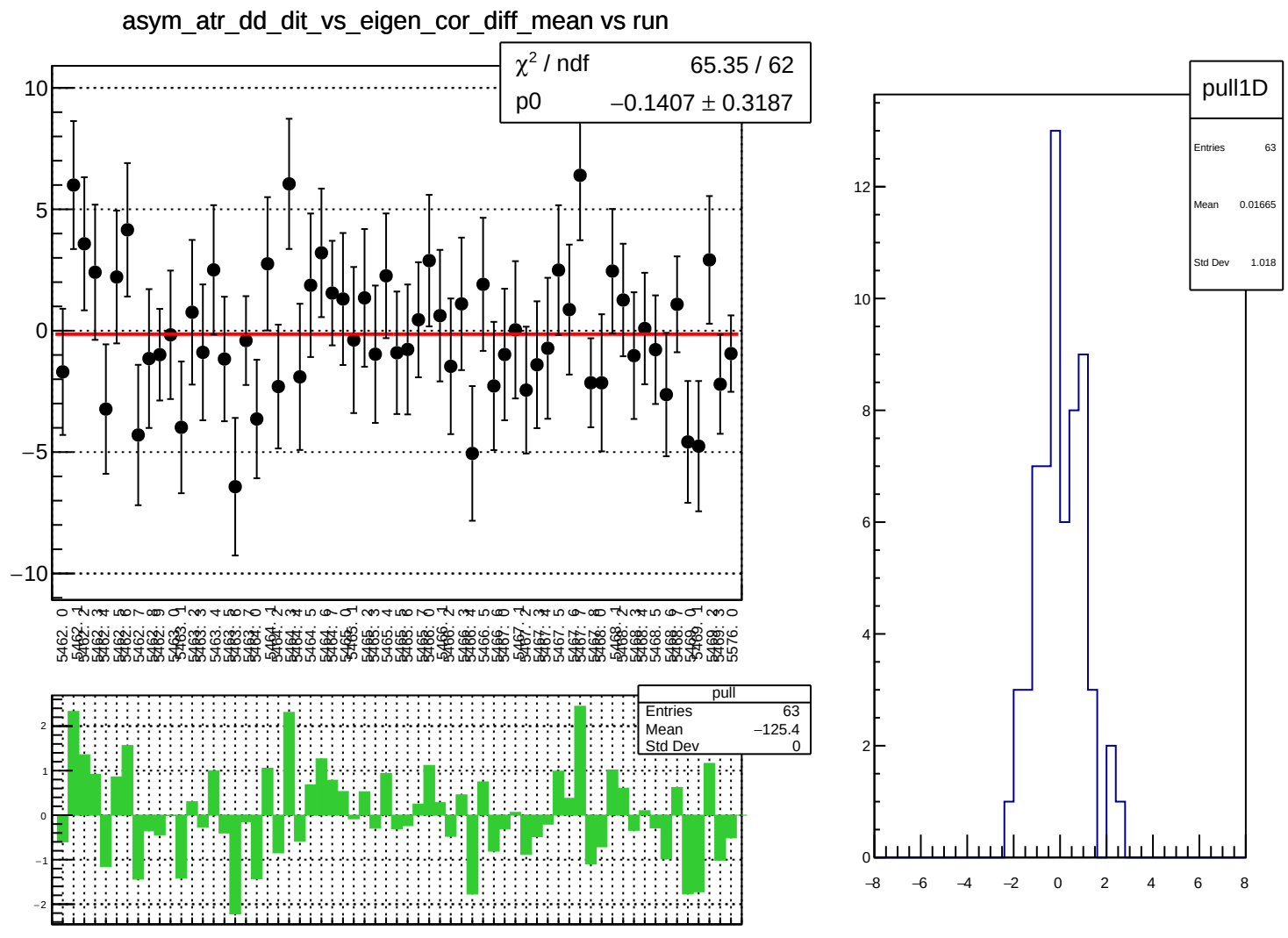

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 62
p0 −6.571e−14 ± 1.467e−13
pull
Entries 63
Mean 42.69
Std Dev 22.11
pull1D
Entries 63
Mean 0.05667
Std Dev 0.8855

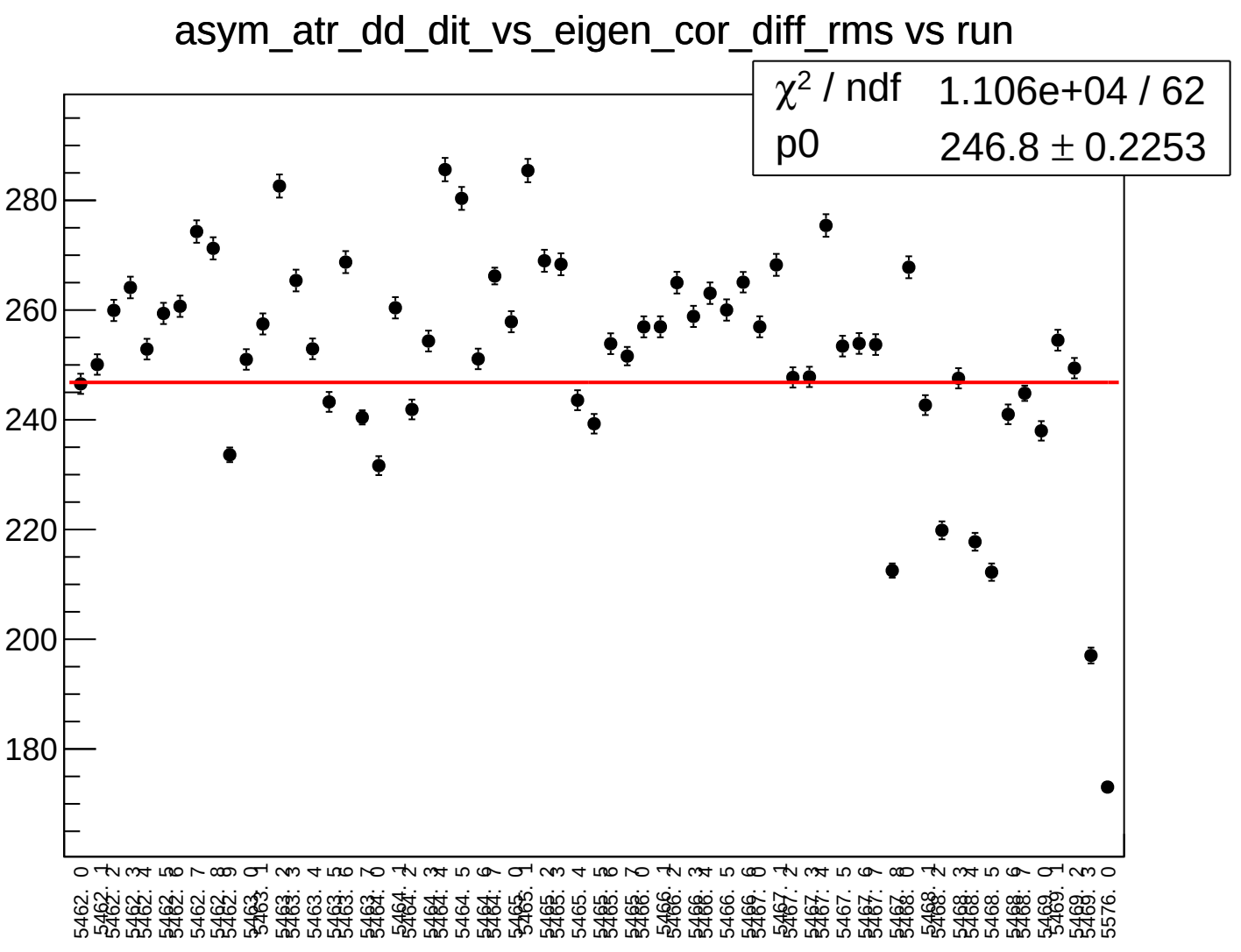

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.791e+05 / 62
p0 8.245e−11 ± 1.037e−13
120
100
80
60
40
20
0

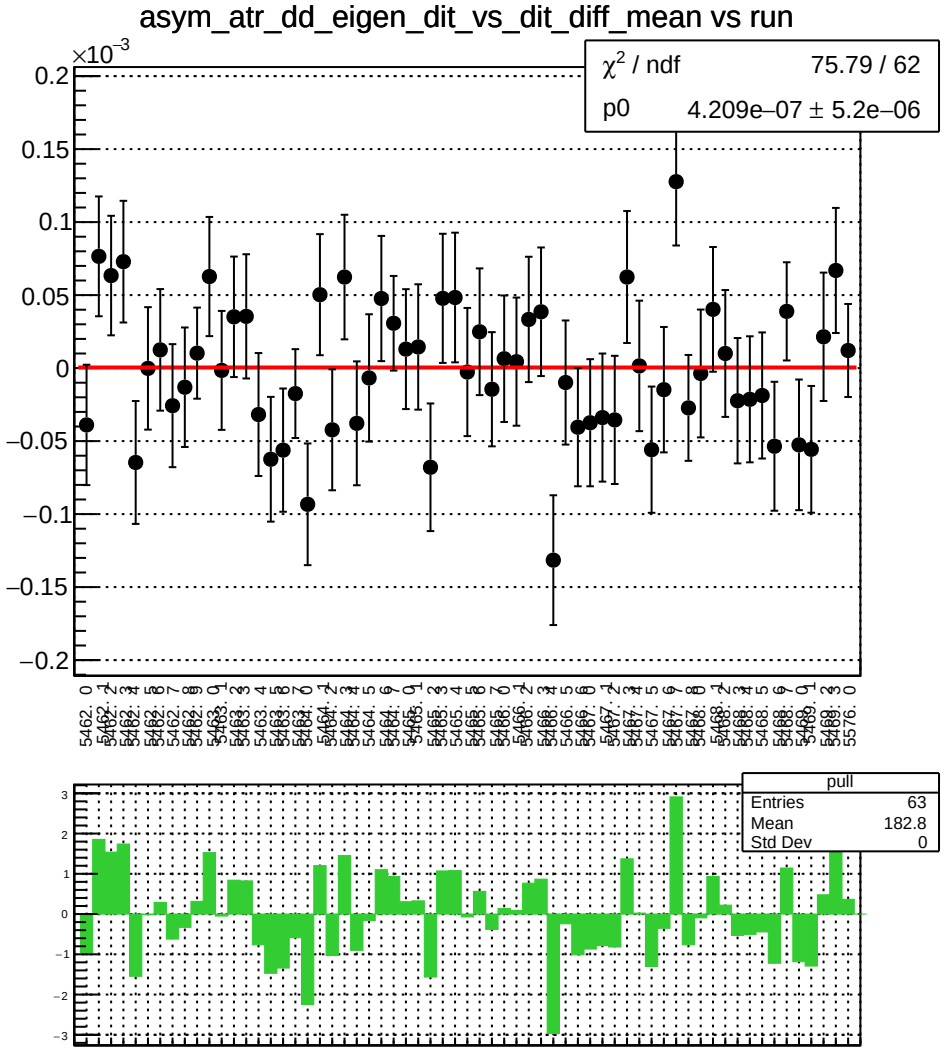

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.35 / 62
p0 −0.1407 ± 0.3187
pull
Entries 63
Mean −125.4
Std Dev 0

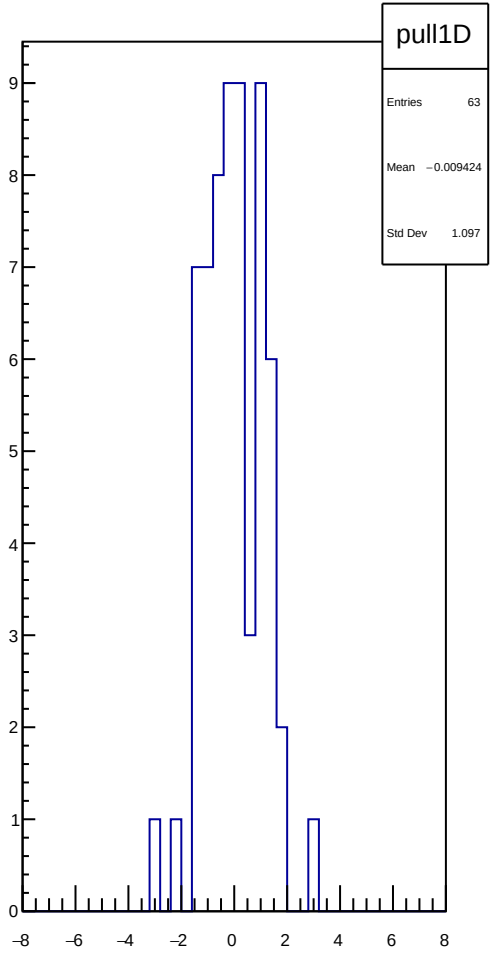

pull1D
Entries 63
Mean 0.01665
Std Dev 1.018

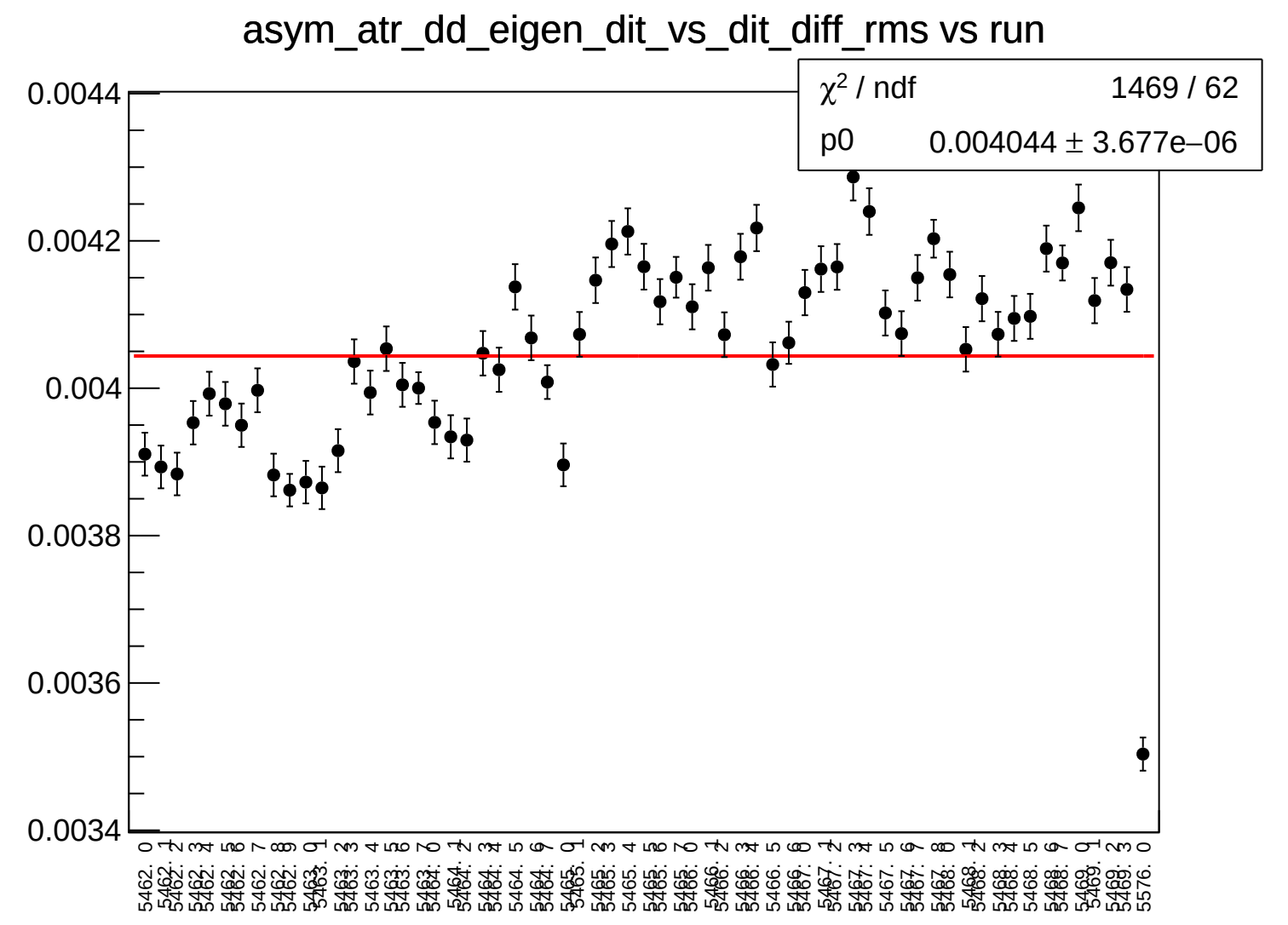

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.106e+04 / 62
p0 246.8 ± 0.2253
280
260
240
220
200
180

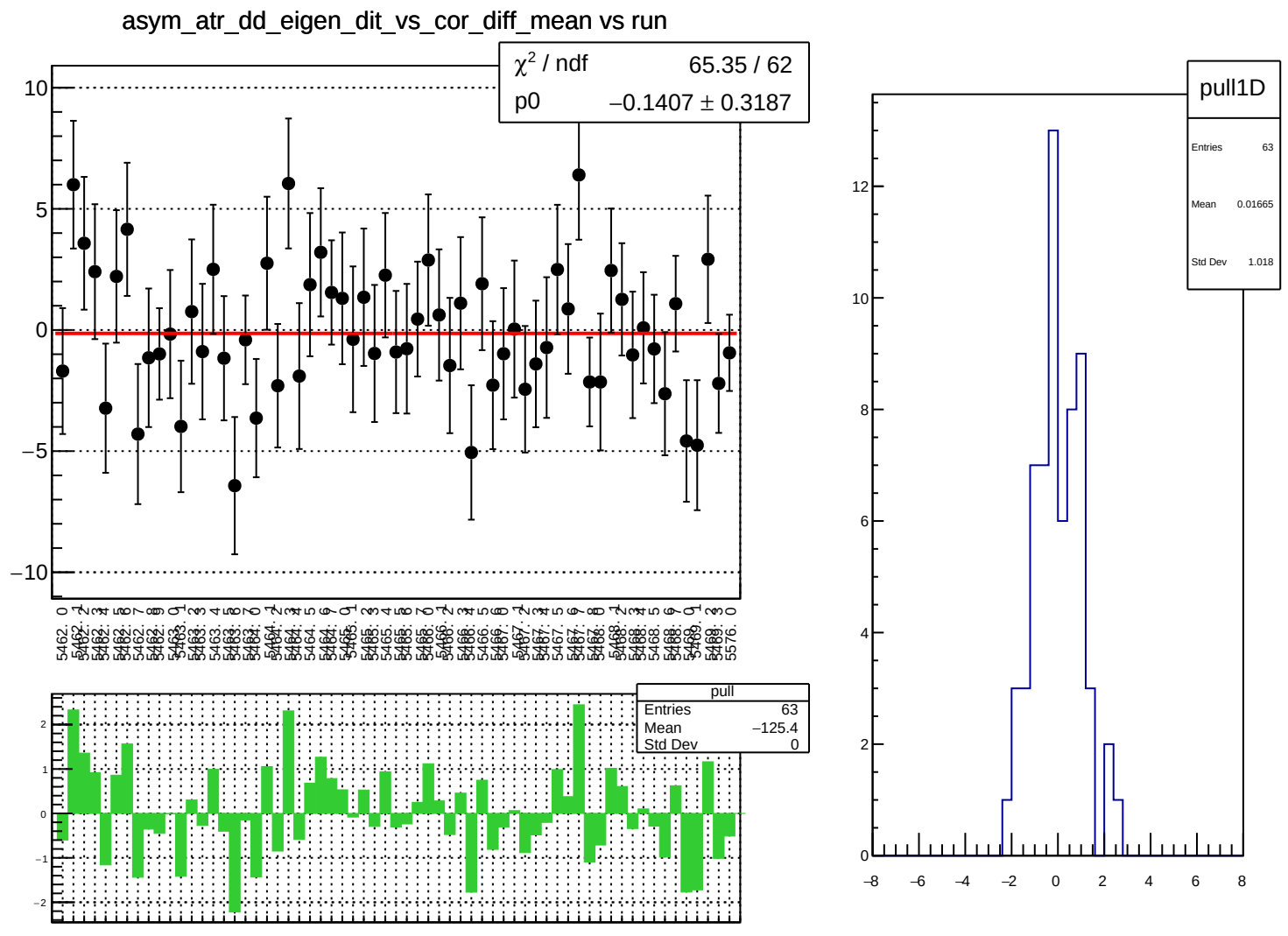

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.35 / 62
p0 −0.1407 ± 0.3187
pull
Entries 63
Mean −125.4
Std Dev 0
pull1D
Entries 63
Mean 0.01665
Std Dev 1.018

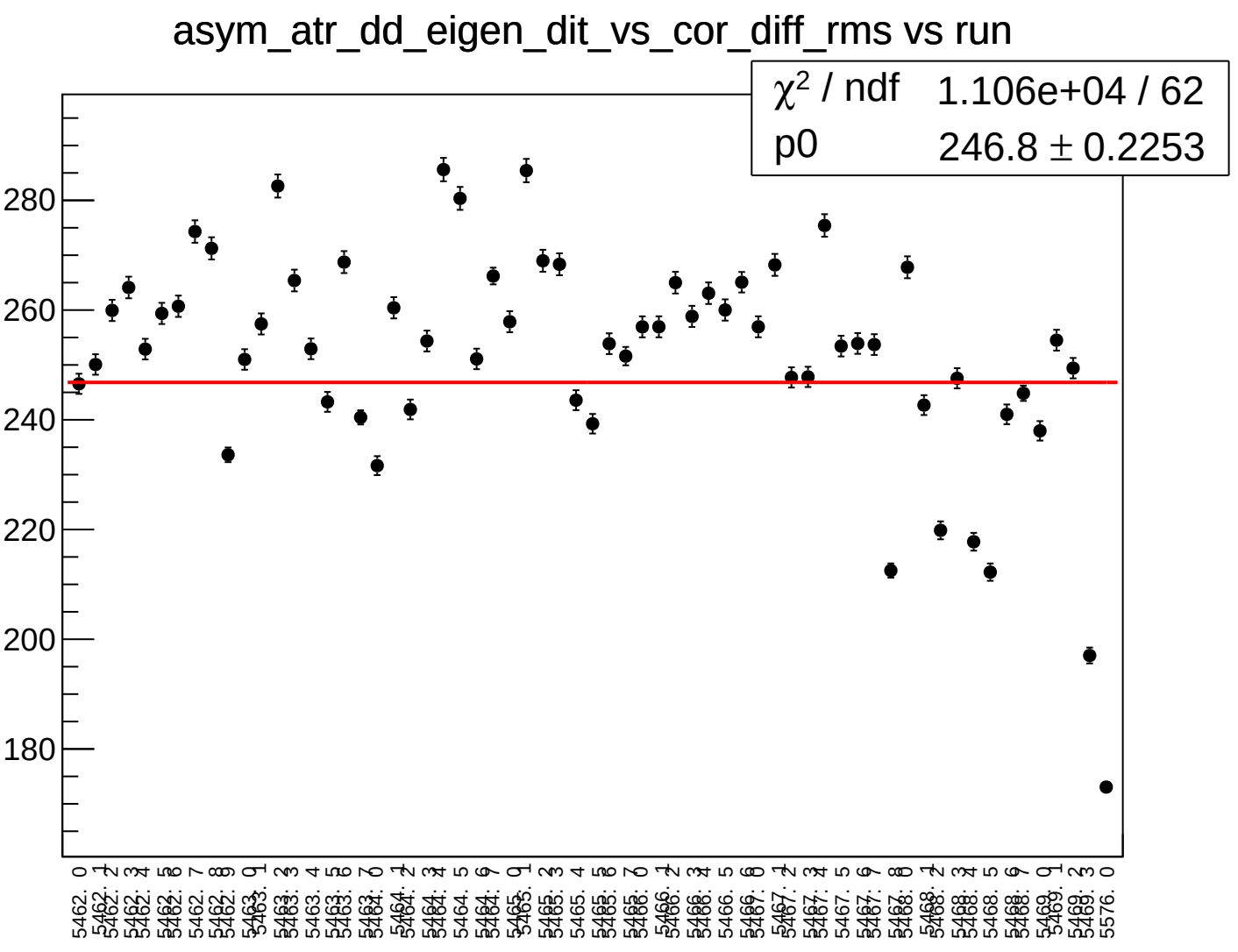

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.106e+04 / 62
p0 246.8 ± 0.2253
280
260
240
220
200
180

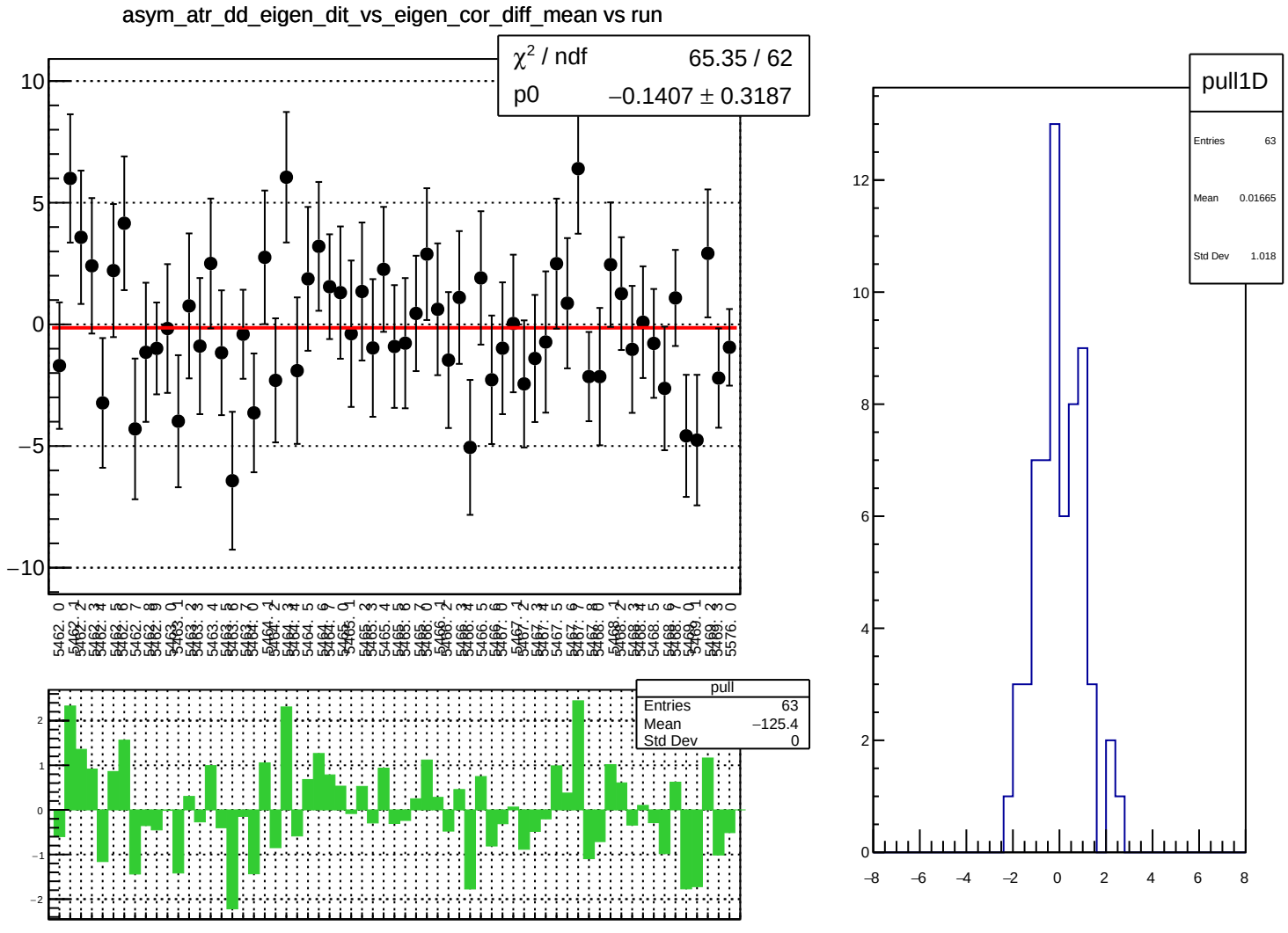

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.79 / 62
p0 4.209e–07 ± 5.2e–06
pull
Entries 63
Mean 182.8
Std Dev 0

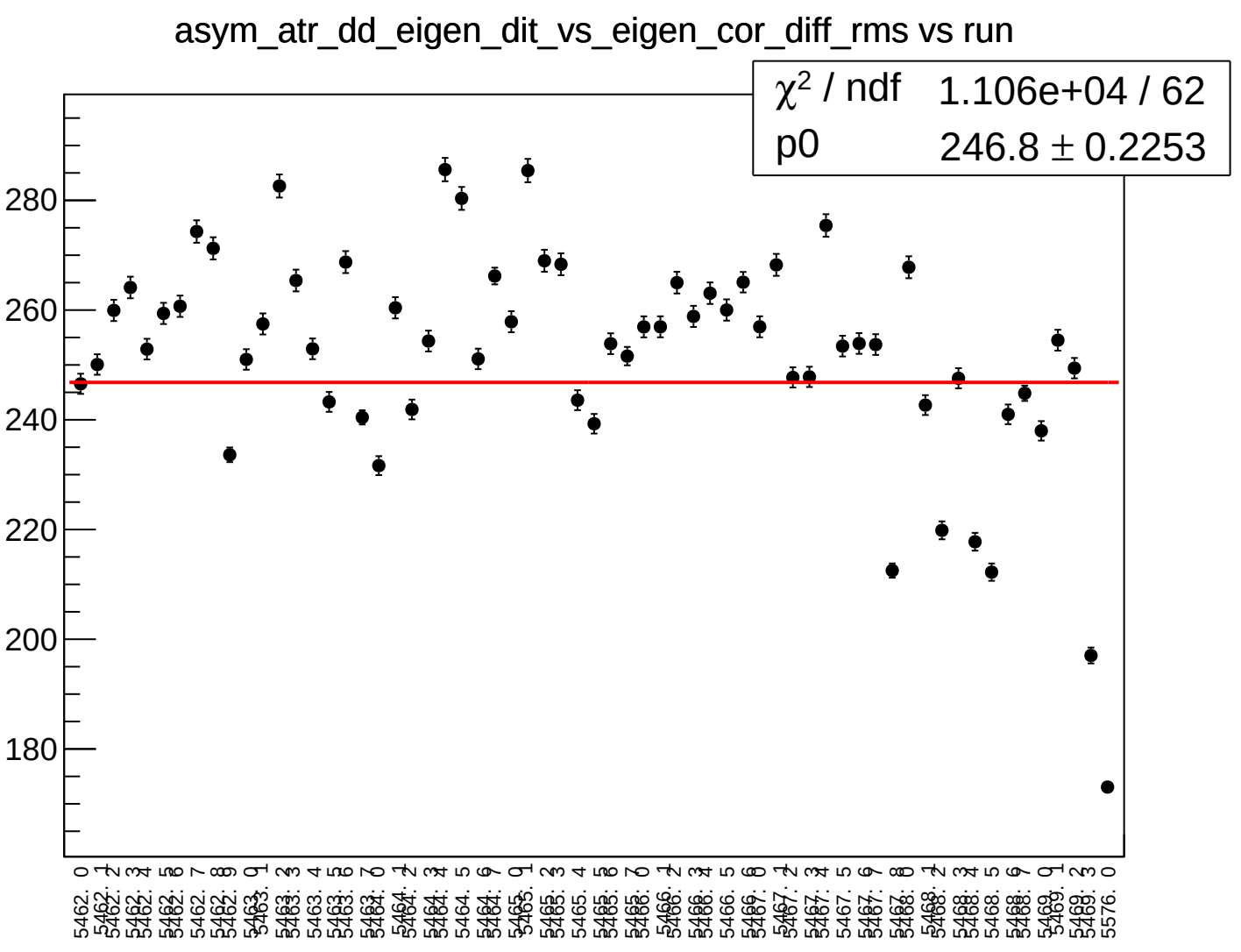

pull1D
Entries 63
Mean −0.009424
Std Dev 1.097

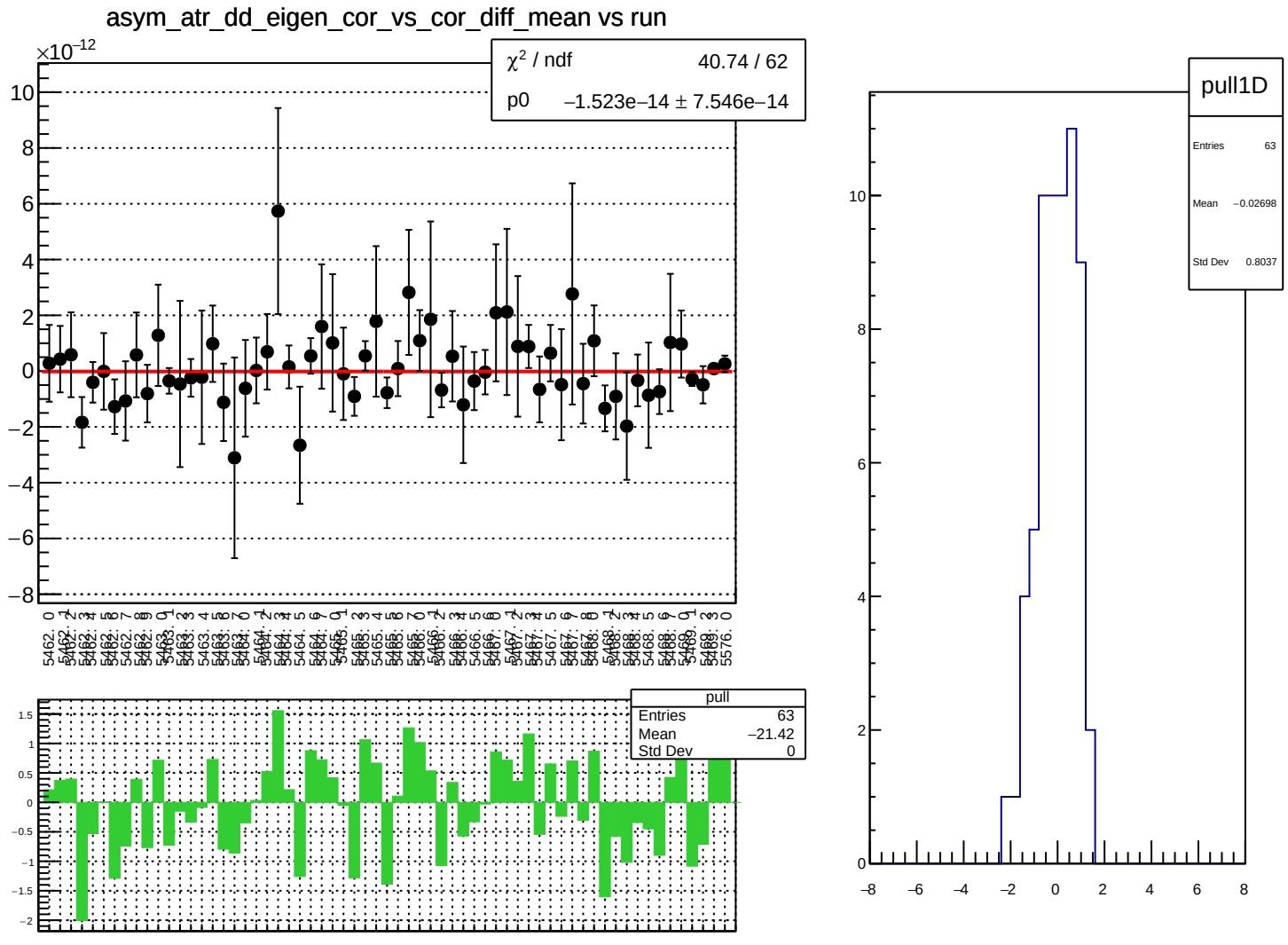

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1469 / 62
p0 0.004044 ± 3.677e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

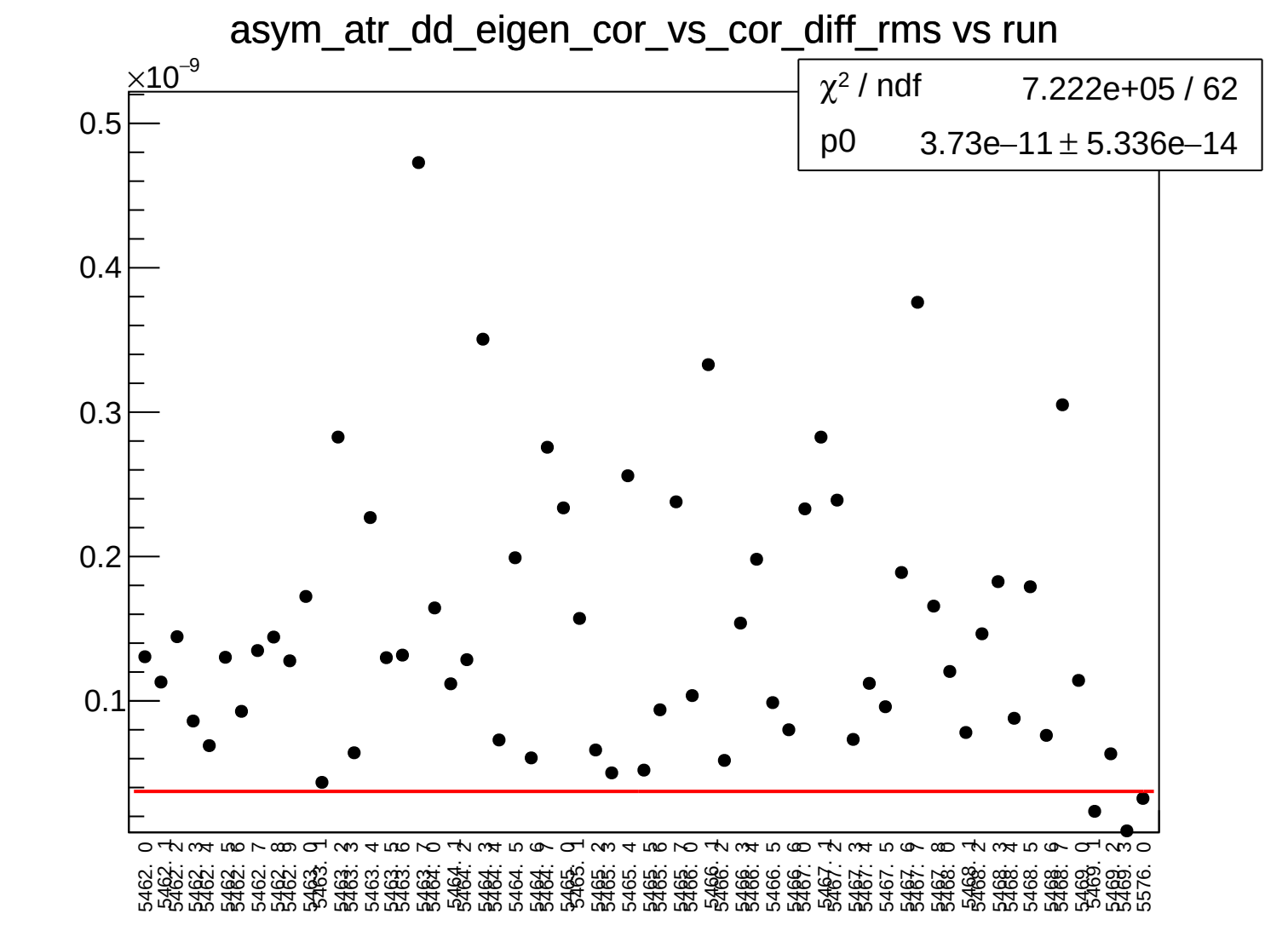

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.35 / 62
p0 −0.1407 ± 0.3187
pull
Entries 63
Mean −125.4
Std Dev 0
pull1D
Entries 63
Mean 0.01665
Std Dev 1.018

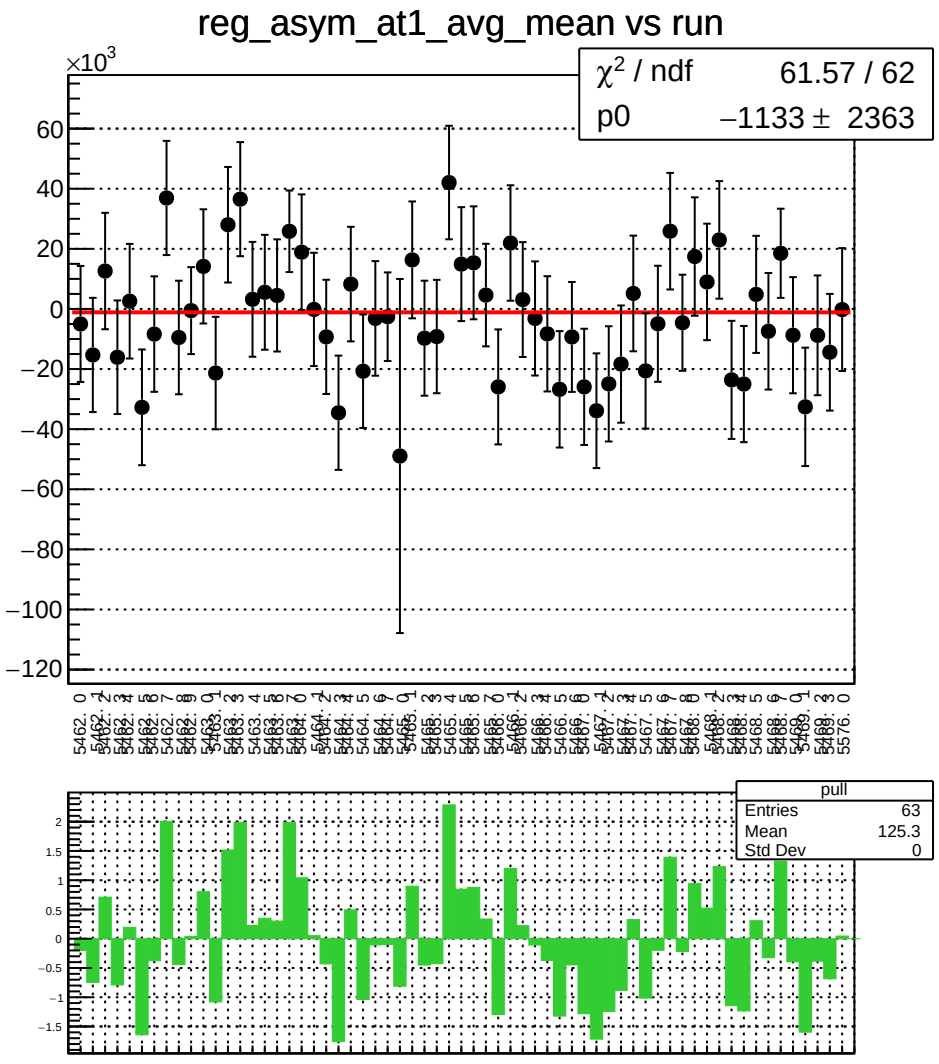

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.106e+04 / 62
p0 246.8 ± 0.2253
280
260
240
220
200
180

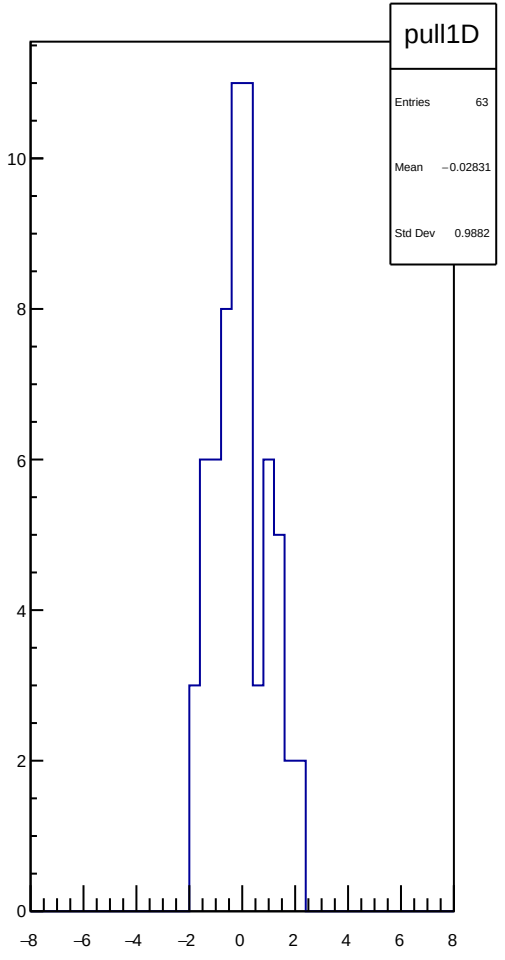

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.35 / 62
p0 −0.1407 ± 0.3187
pull
Entries 63
Mean −125.4
Std Dev 0
pull1D
Entries 63
Mean 0.01665
Std Dev 1.018

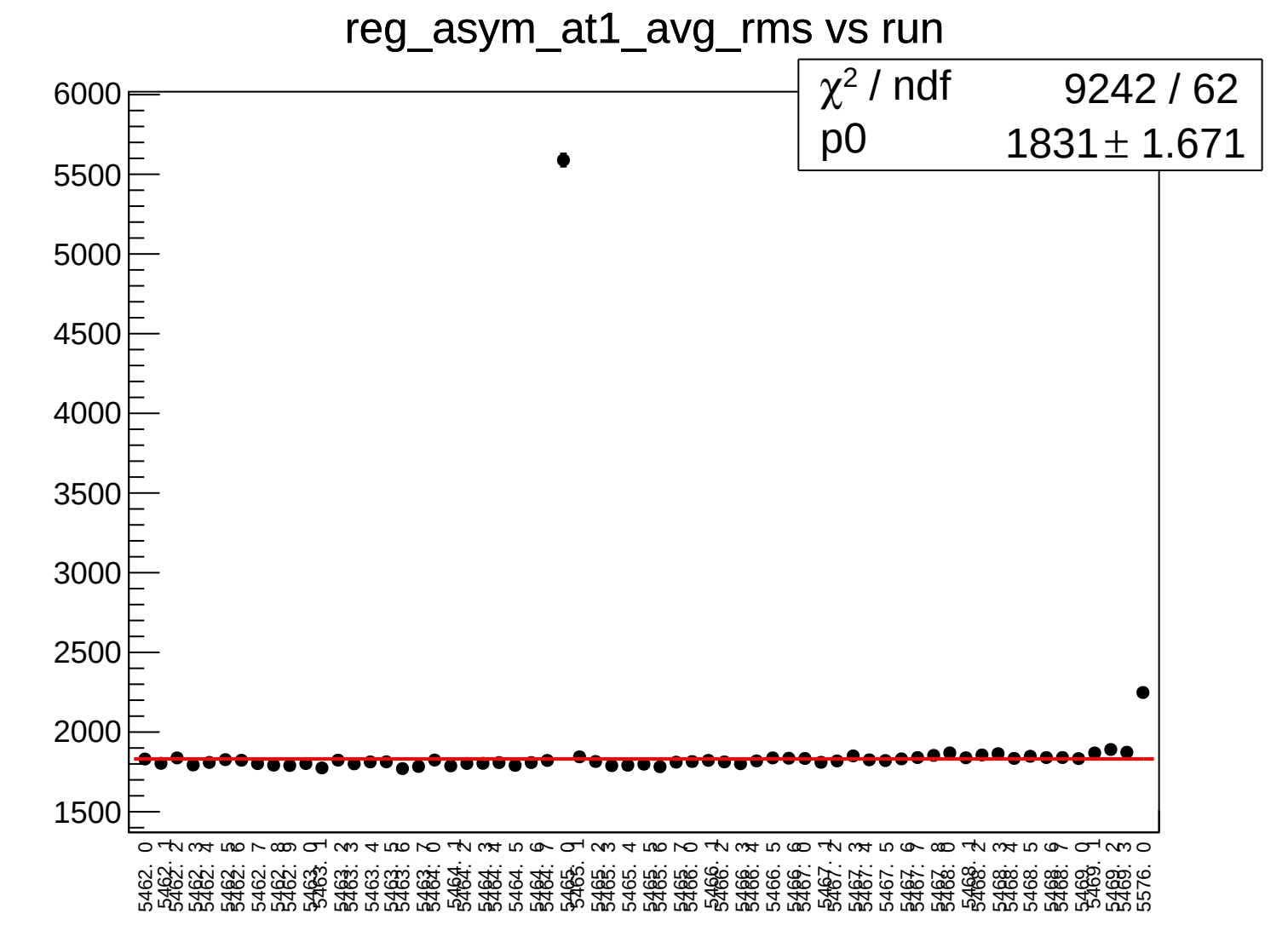

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.106e+04 / 62
p0 246.8 ± 0.2253
280
260
240
220
200
180

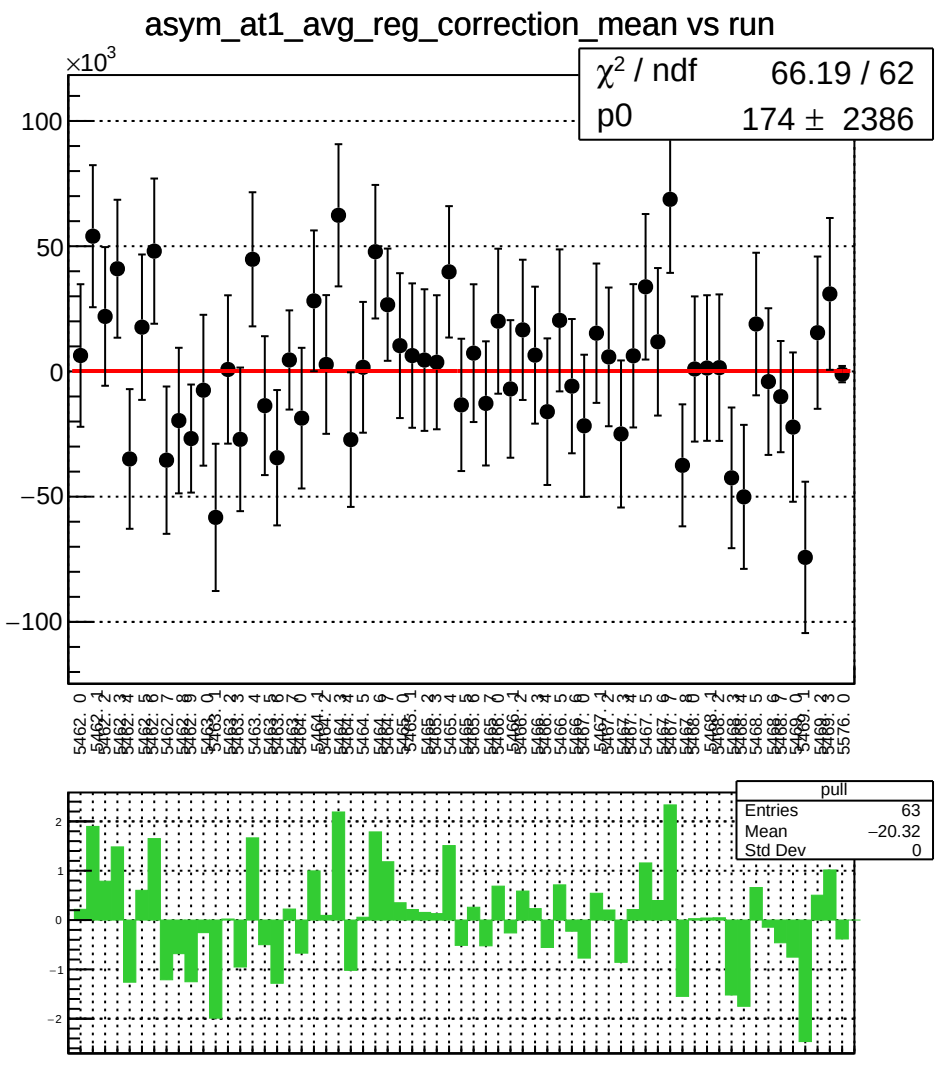

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.74 / 62
p0 −1.523e−14 ± 7.546e−14
pull
Entries 63
Mean −21.42
Std Dev 0
pull1D
Entries 63
Mean −0.02698
Std Dev 0.8037

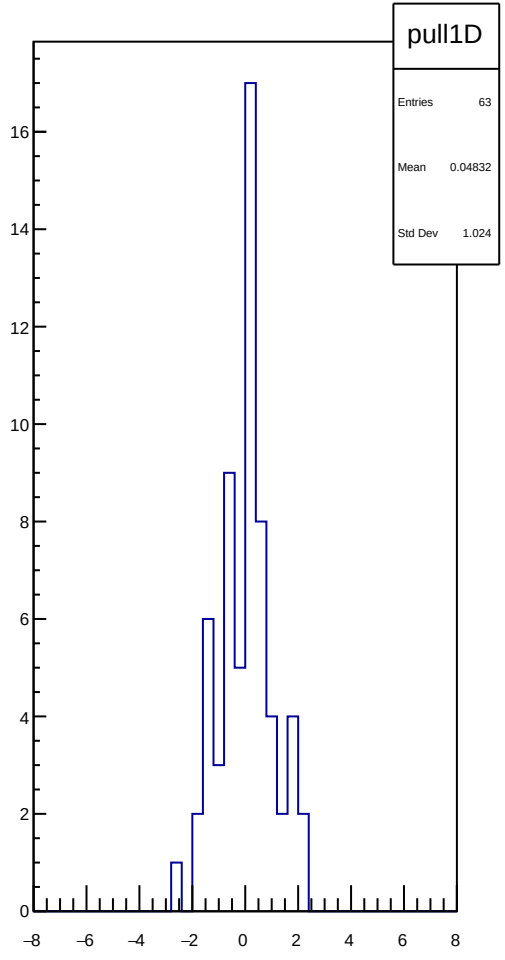

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.222e+05 / 62
p0 3.73e−11 ± 5.336e−14
0.5
0.4
0.3
0.2
0.1

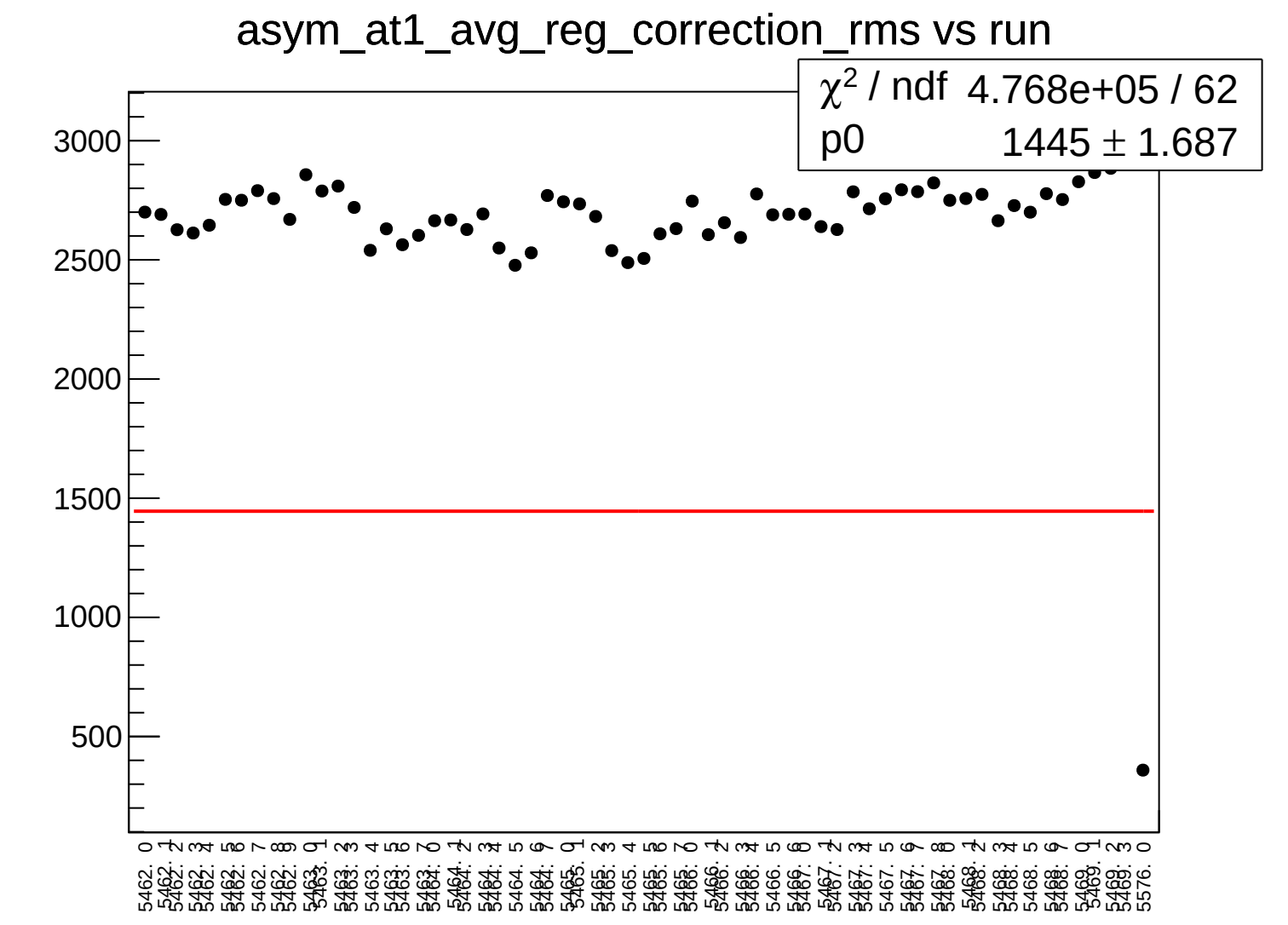

reg_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 61.57 / 62
p0 −1133 ± 2363
pull
Entries 63
Mean 125.3
Std Dev 0

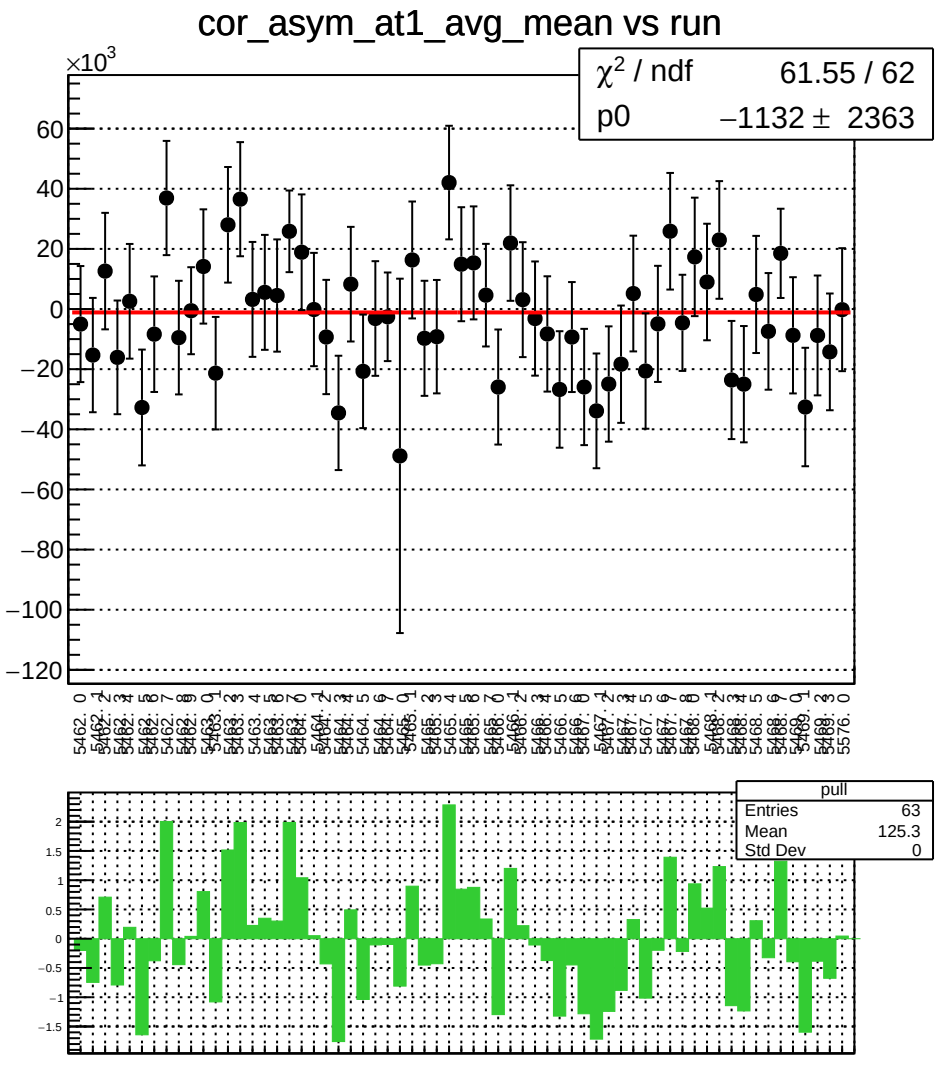

pull1D
Entries 63
Mean −0.02831
Std Dev 0.9882

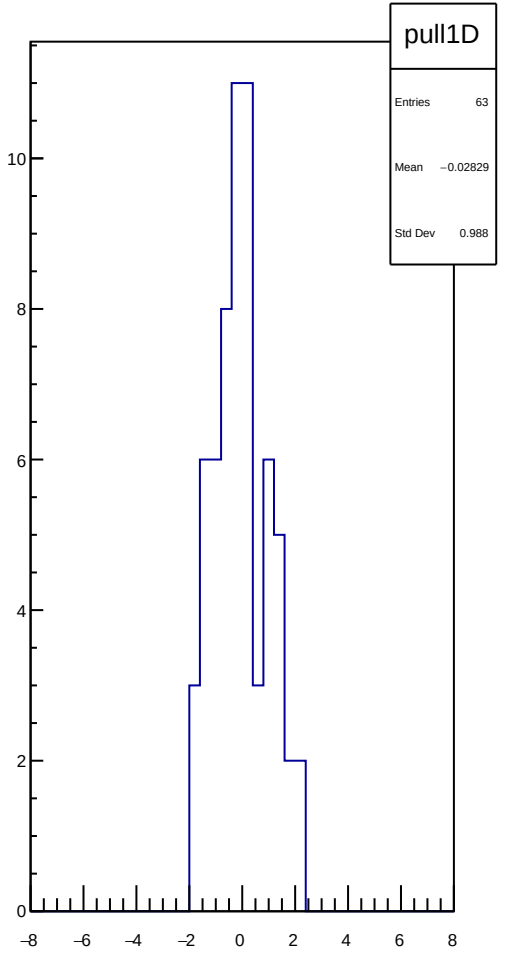

reg_asym_at1_avg_rms vs run
χ² / ndf 9242 / 62
p0 1831 ± 1.671
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

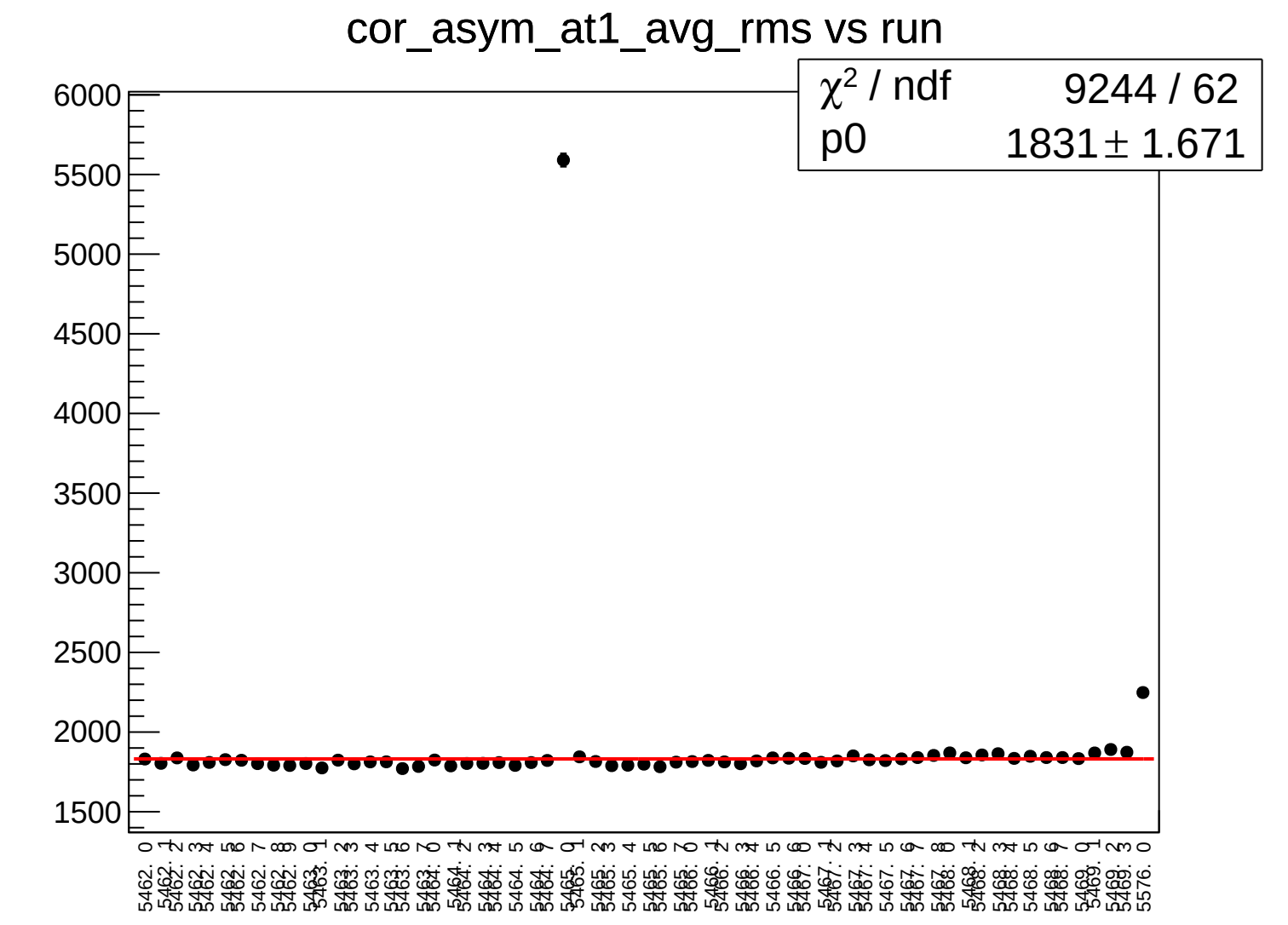

asym_at1_avg_reg_correction_mean vs run
×10^3
χ² / ndf 66.19 / 62
p0 174 ± 2386
100
50
0
−50
−100
pull
Entries 63
Mean −20.32
Std Dev 0
2
1
0
−1
−2

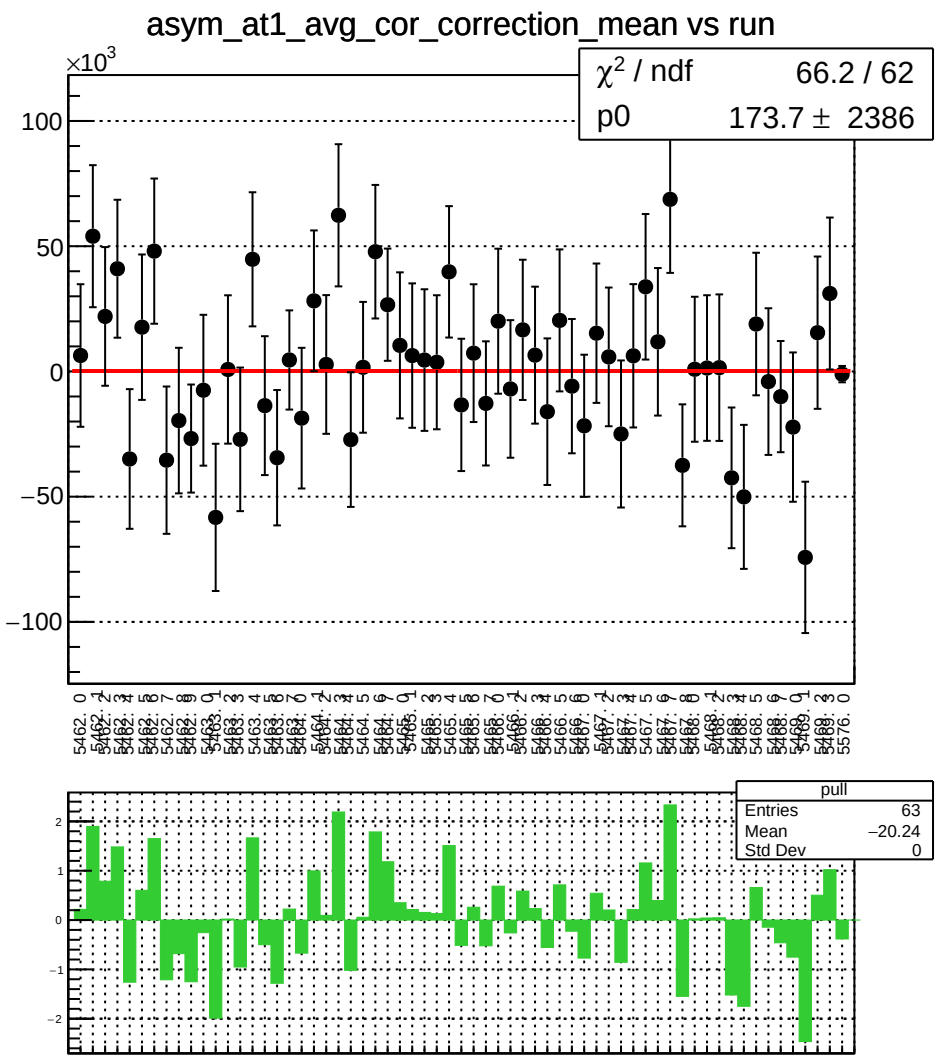

pull1D
Entries 63
Mean 0.04832
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

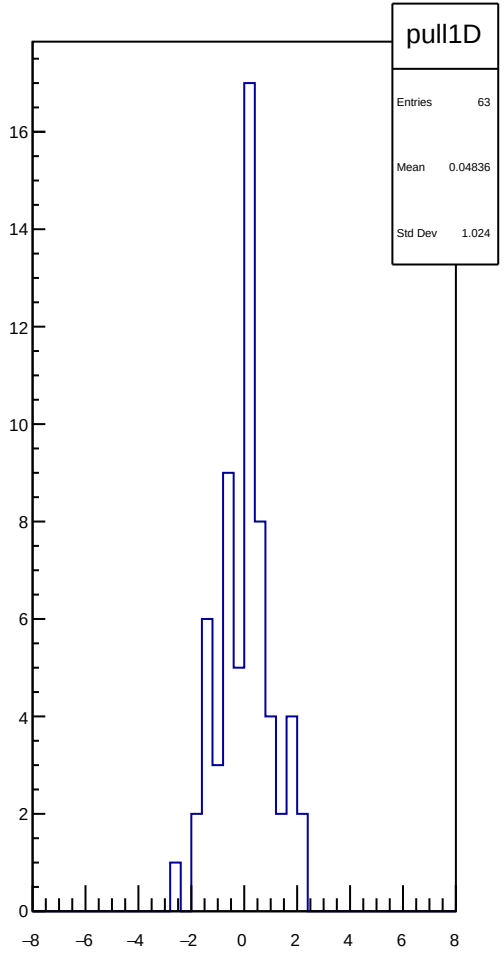

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 4.768e+05 / 62
p0 1445 ± 1.687
3000
2500
2000
1500
1000
500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

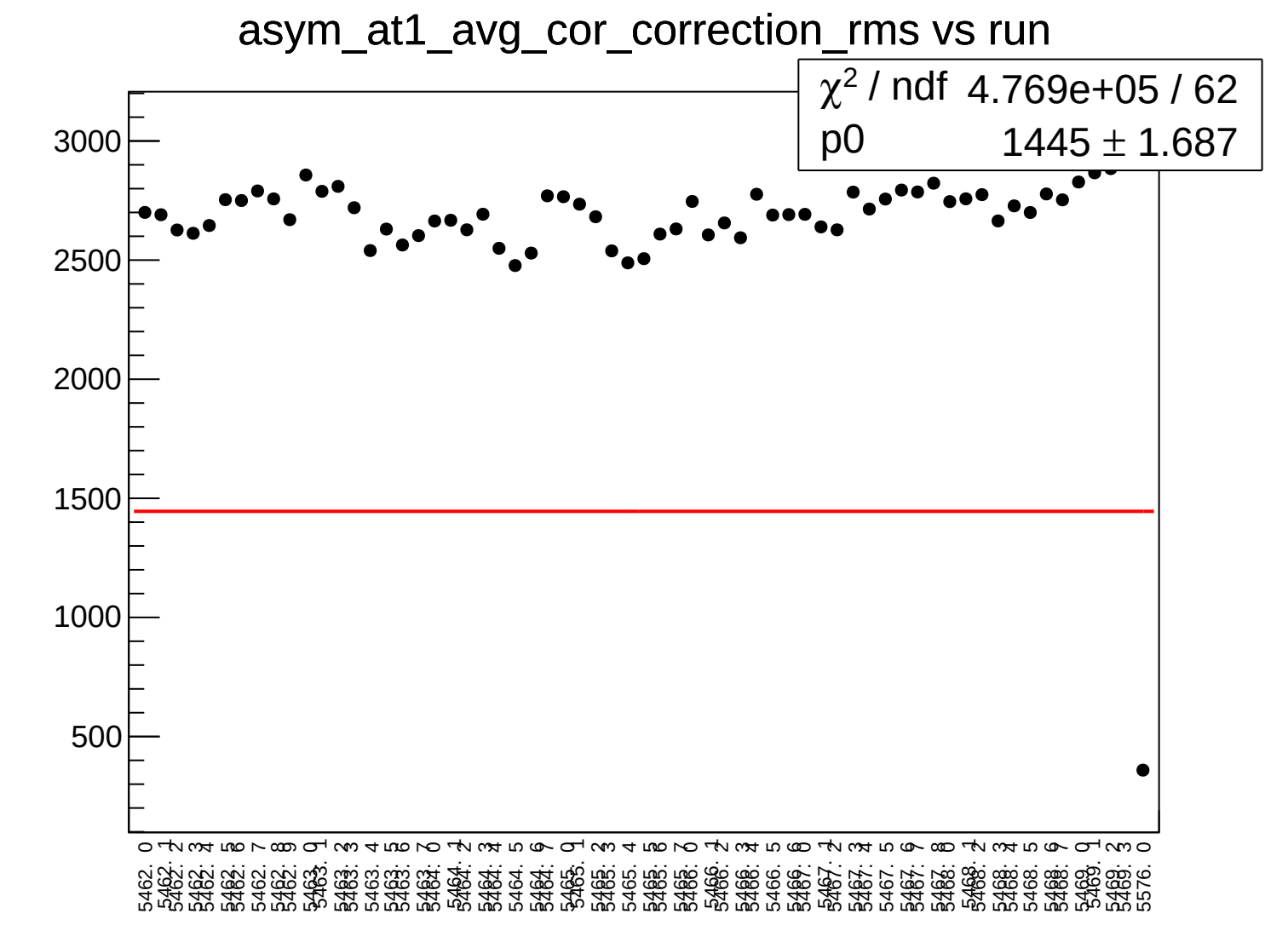

cor_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 61.55 / 62
p0 −1132 ± 2363
pull
Entries 63
Mean 125.3
Std Dev 0

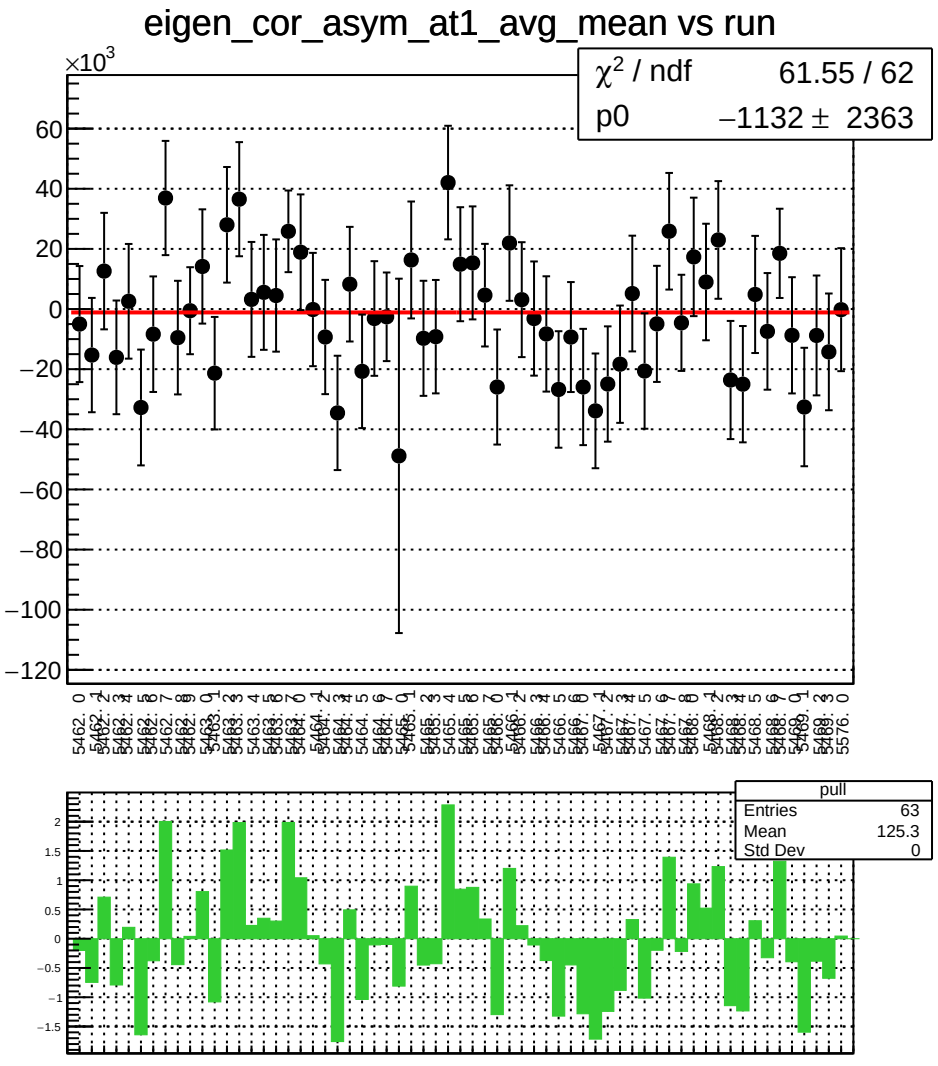

pull1D
Entries 63
Mean −0.02829
Std Dev 0.988

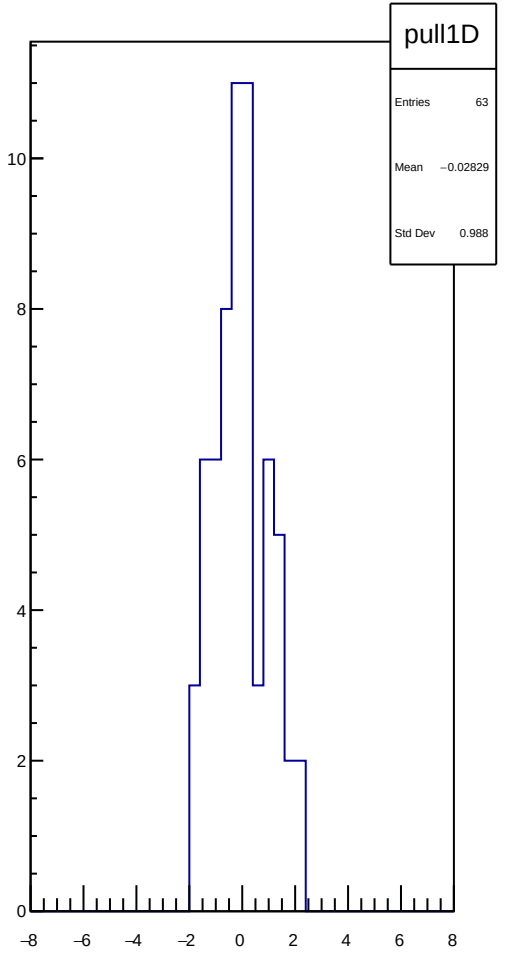

cor_asym_at1_avg_rms vs run
χ² / ndf 9244 / 62
p0 1831 ± 1.671
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

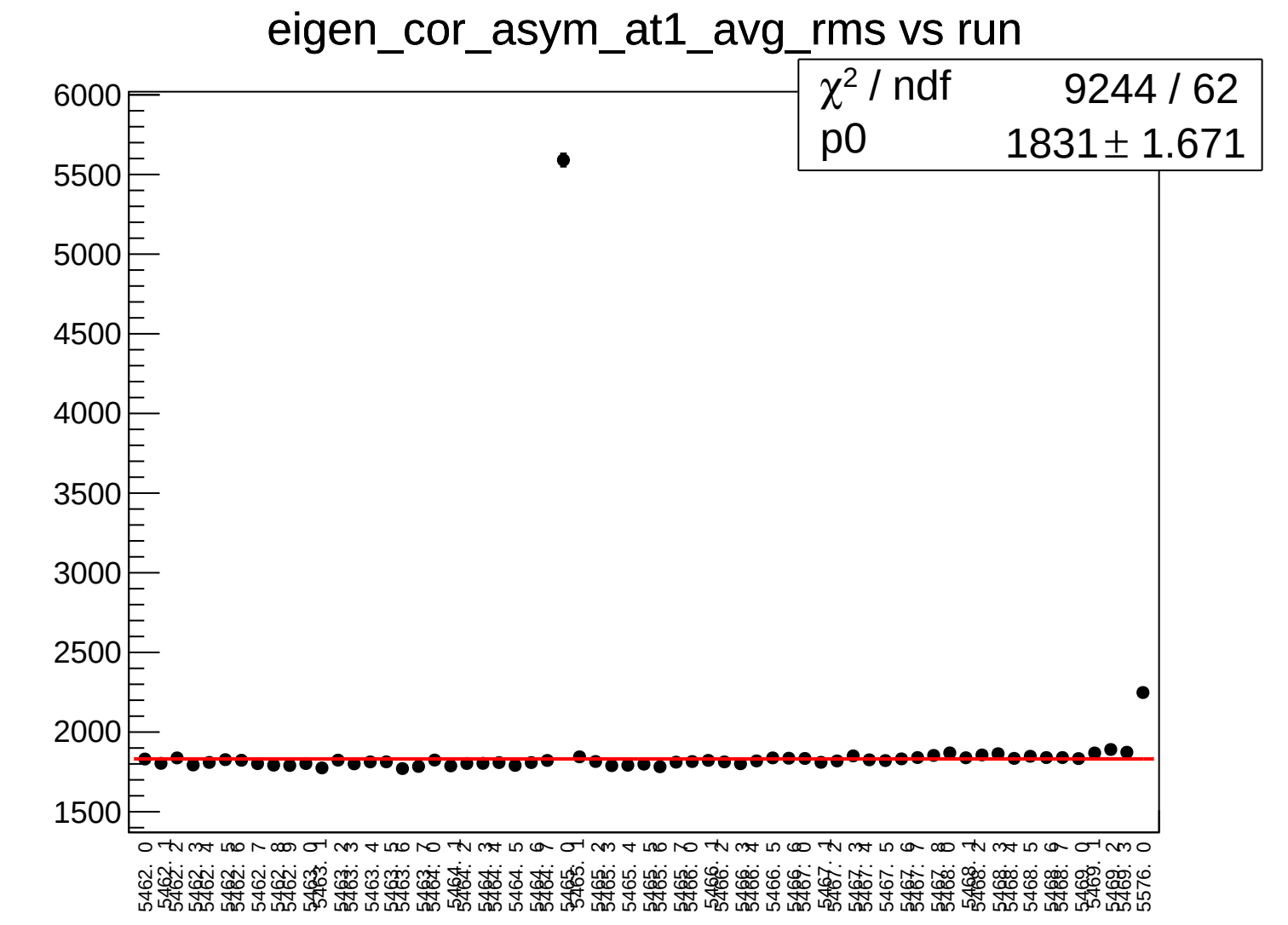

asym_at1_avg_cor_correction_mean vs run
×10^3
χ² / ndf 66.2 / 62
p0 173.7 ± 2386
100
50
0
−50
−100
pull
Entries 63
Mean −20.24
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.04836
Std Dev 1.024
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
χ² / ndf 4.769e+05 / 62
p0 1445 ± 1.687
3000
2500
2000
1500
1000
500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 61.55 / 62
p0 −1132 ± 2363
×10³
pull
Entries 63
Mean 125.3
Std Dev 0


pull1D
Entries 63
Mean −0.02829
Std Dev 0.988


eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 9244 / 62
p0 1831 ± 1.671
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
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5465. 7
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5466. 2
5466. 3
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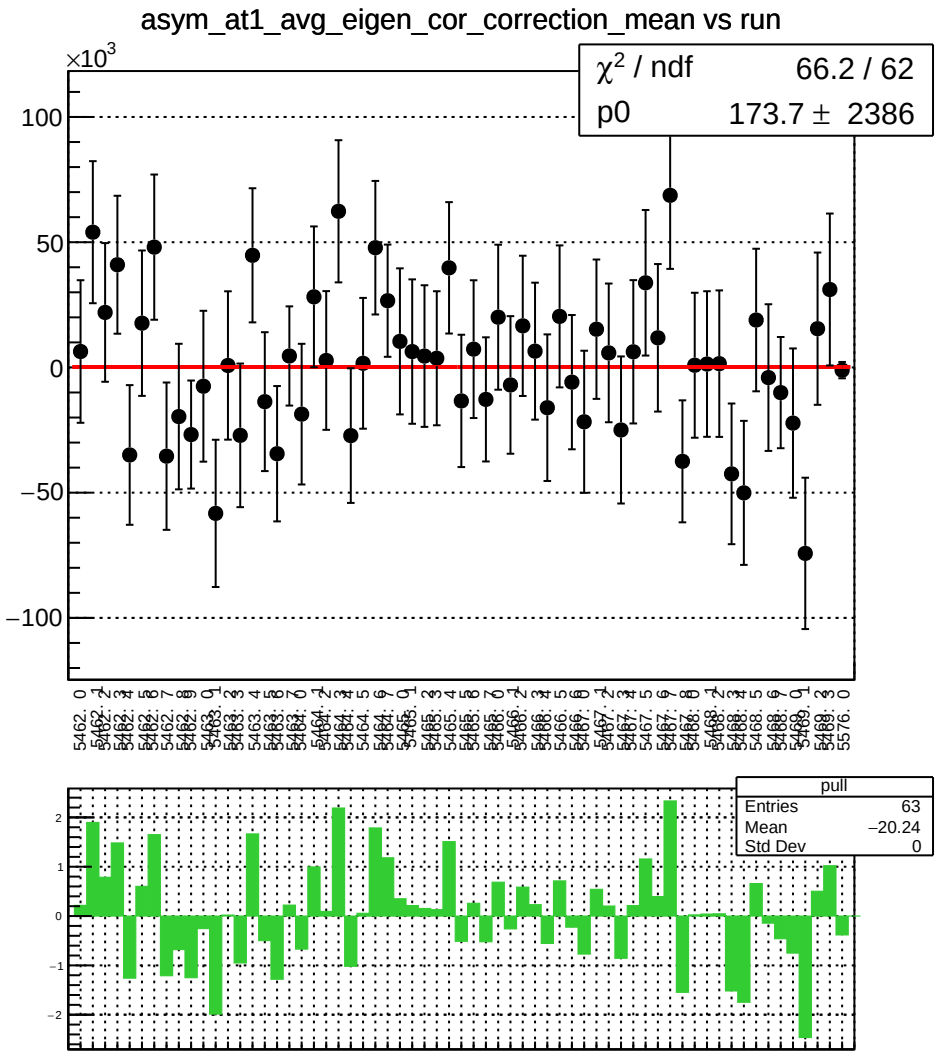
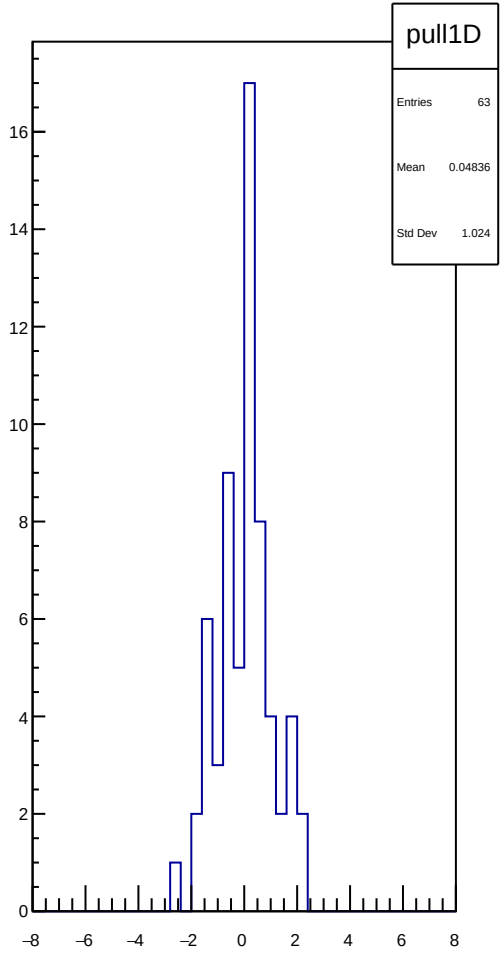
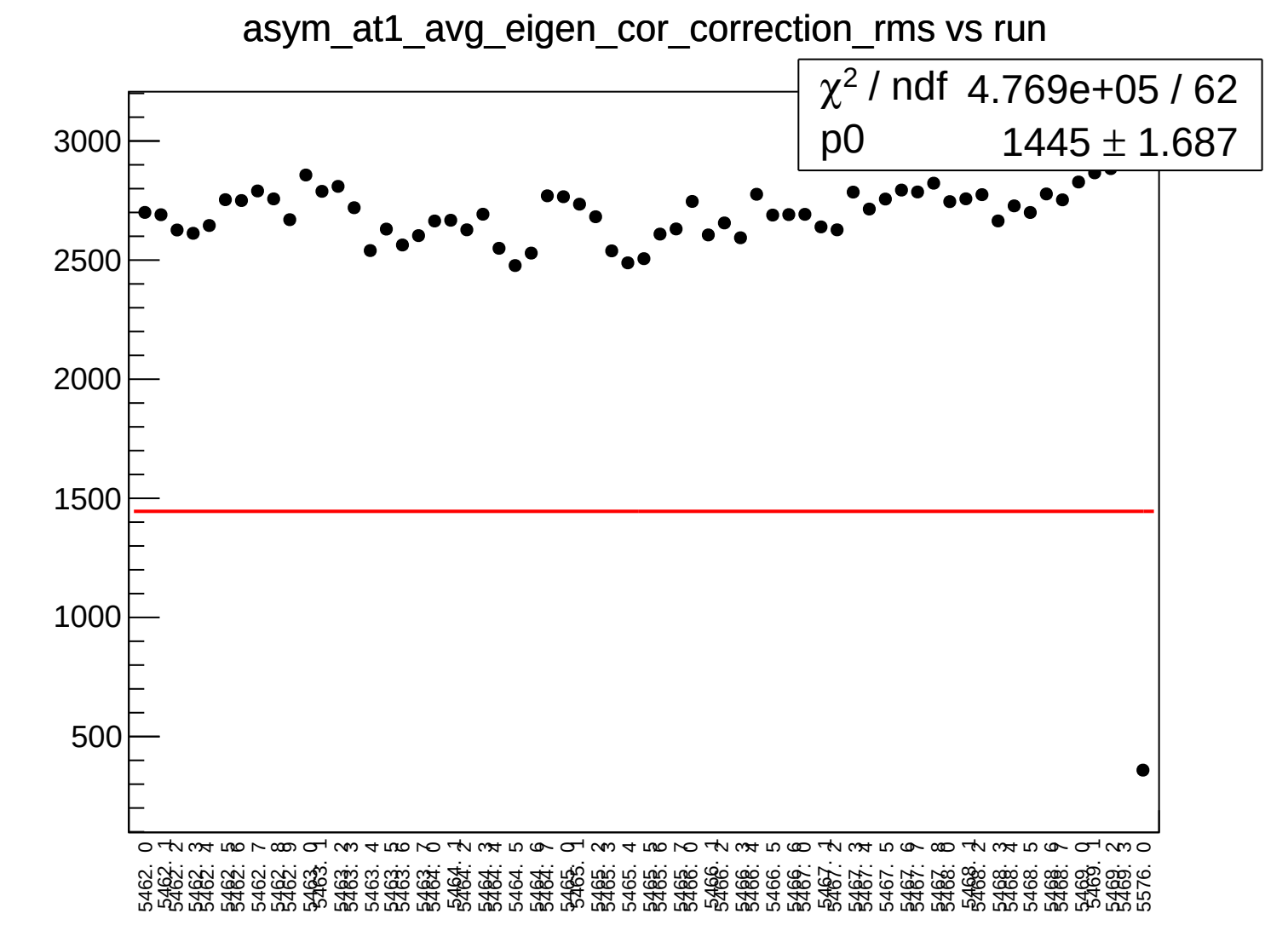
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_at1_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.2 / 62
p0 173.7 ± 2386
100
50
0
−50
−100
pull
Entries 63
Mean −20.24
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.04836
Std Dev 1.024
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 4.769e+05 / 62
p0 1445 ± 1.687
3000
2500
2000
1500
1000
500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
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5463. 6
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5464. 0
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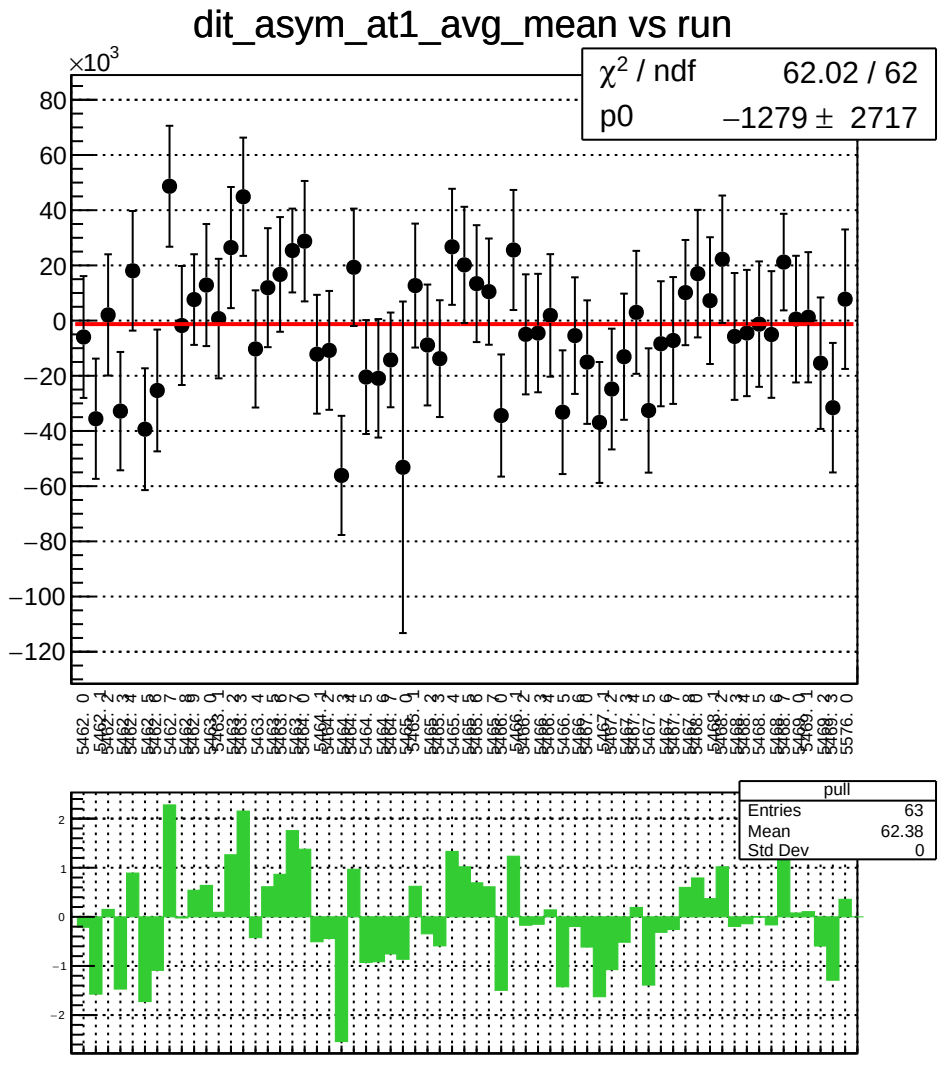
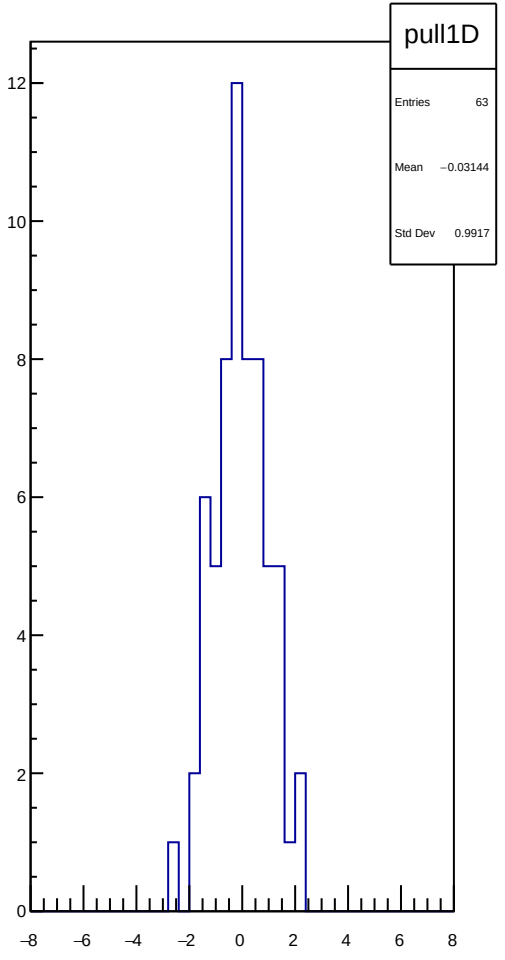
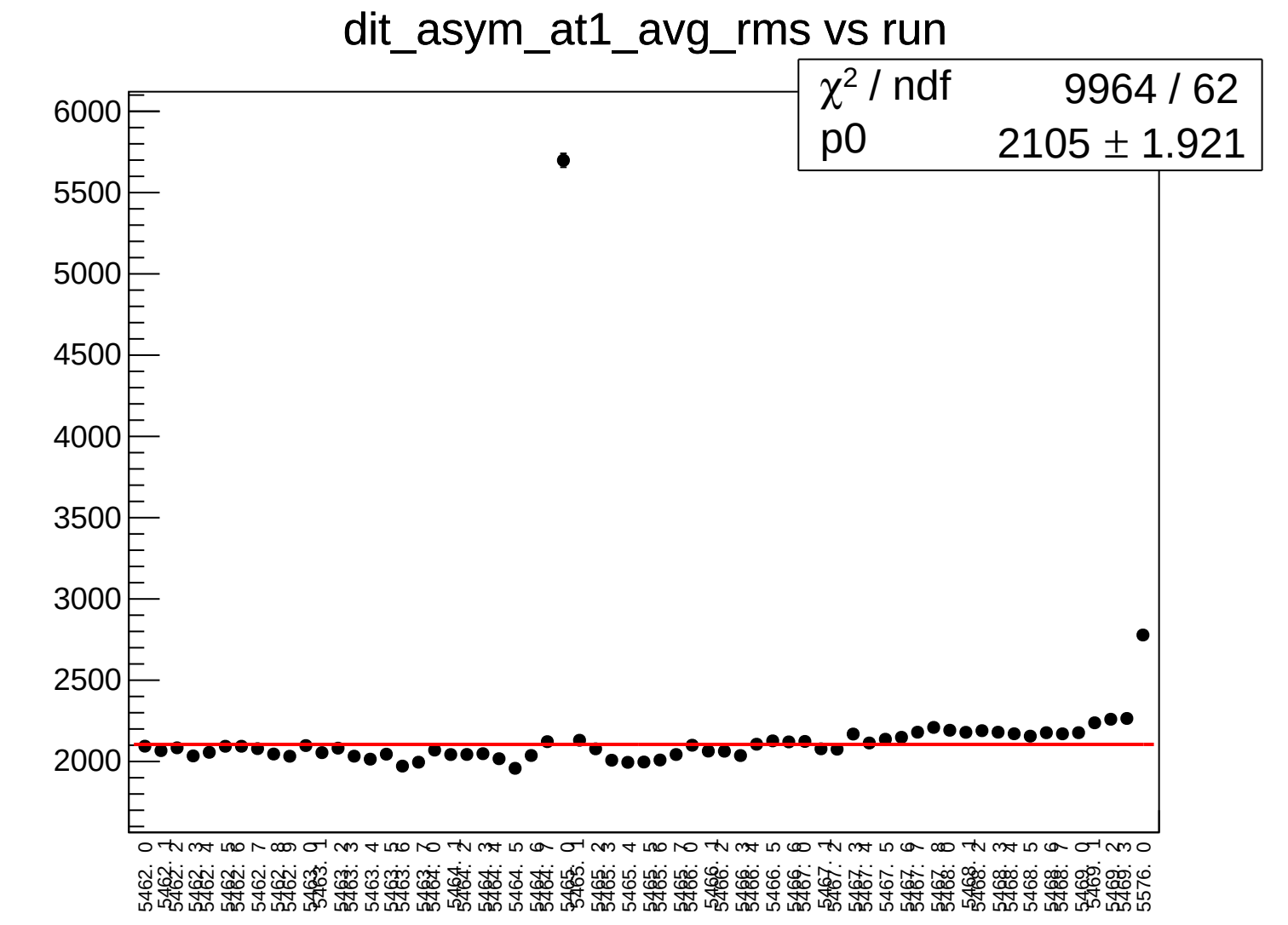
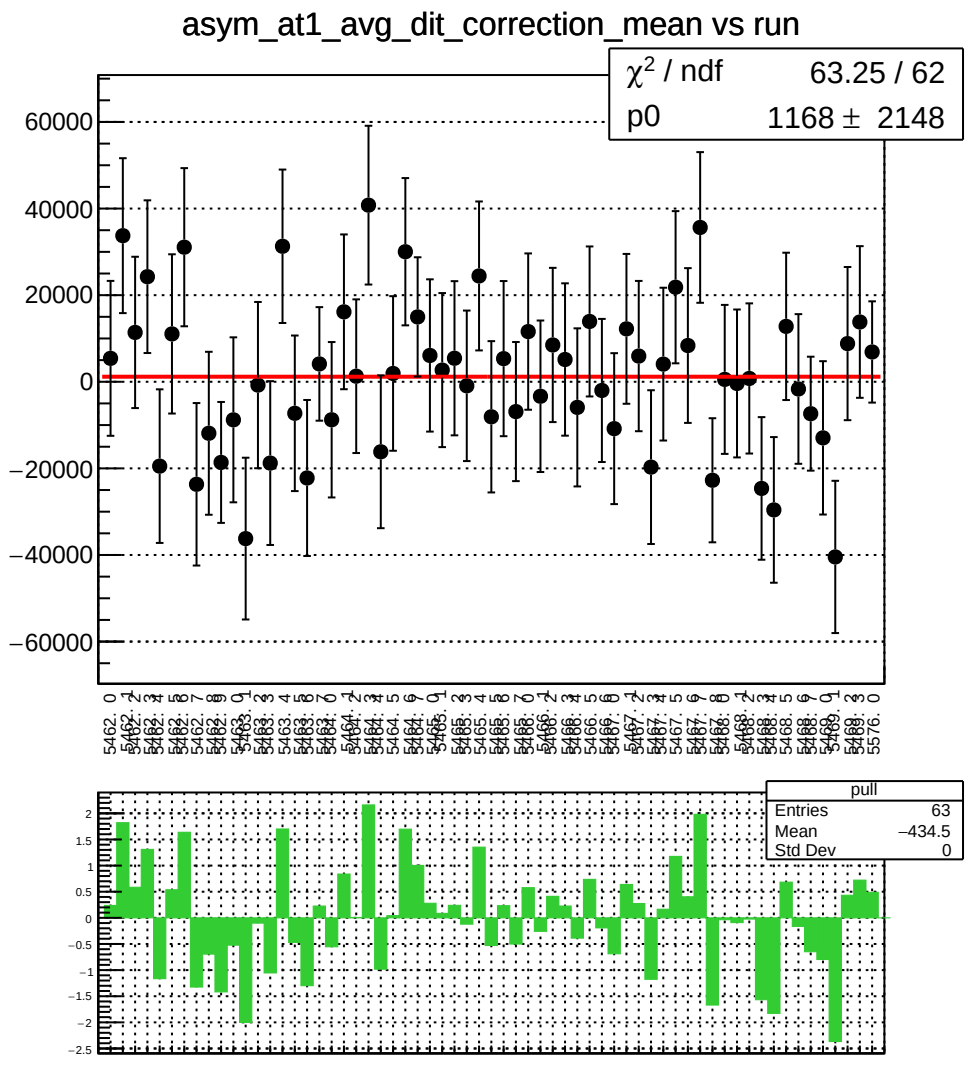
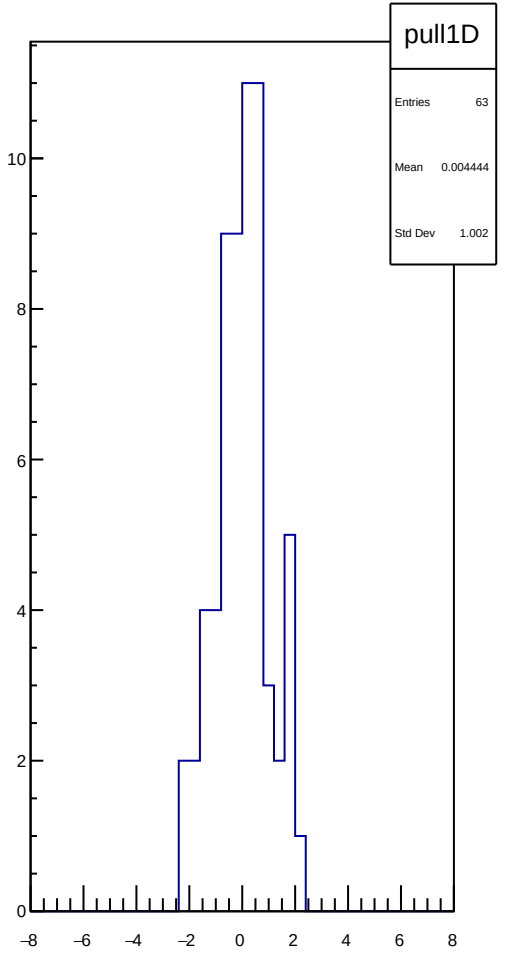
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

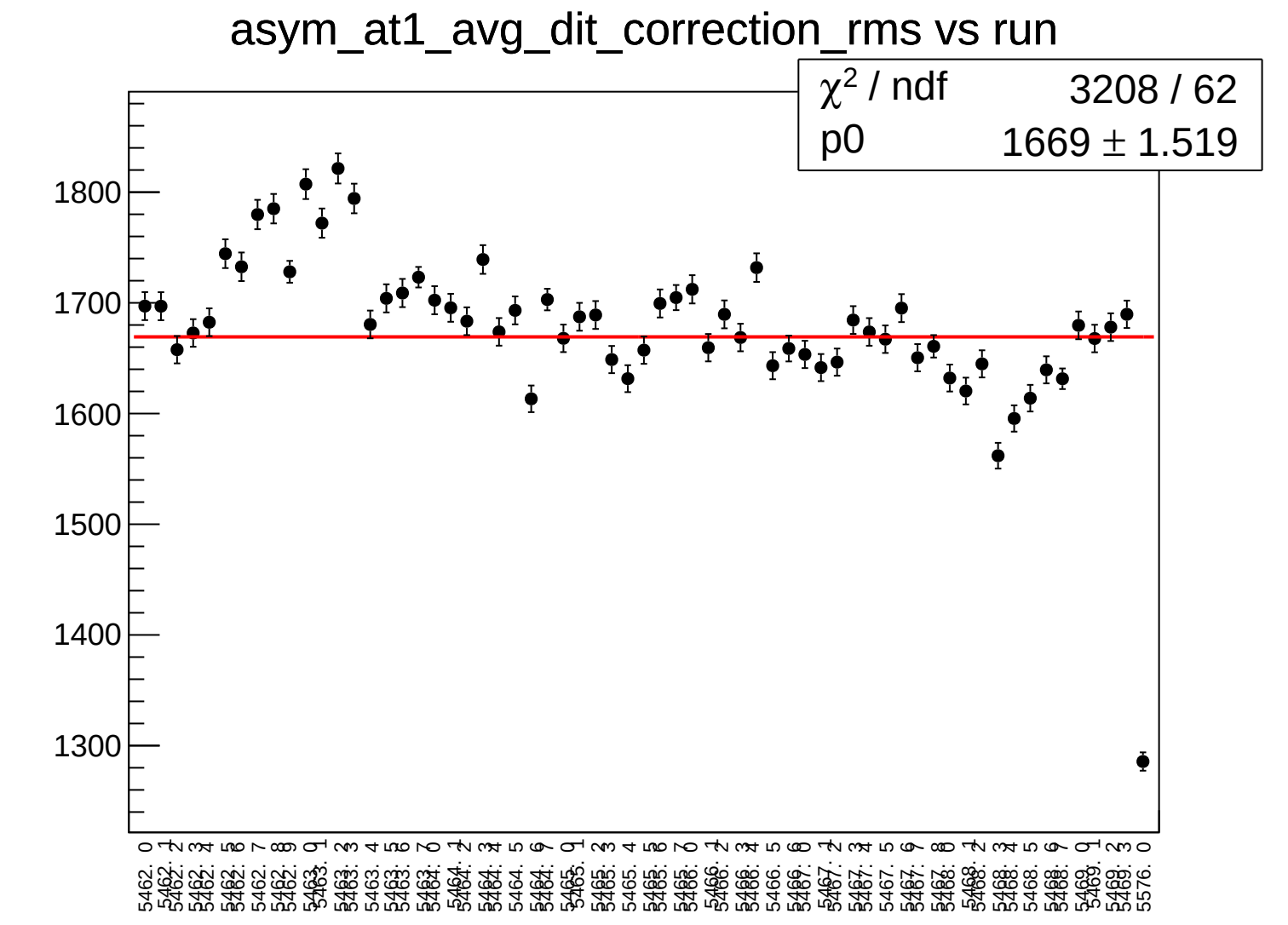

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 62.02 / 62
p0 −1279 ± 2717
pull
Entries 63
Mean 62.38
Std Dev 0

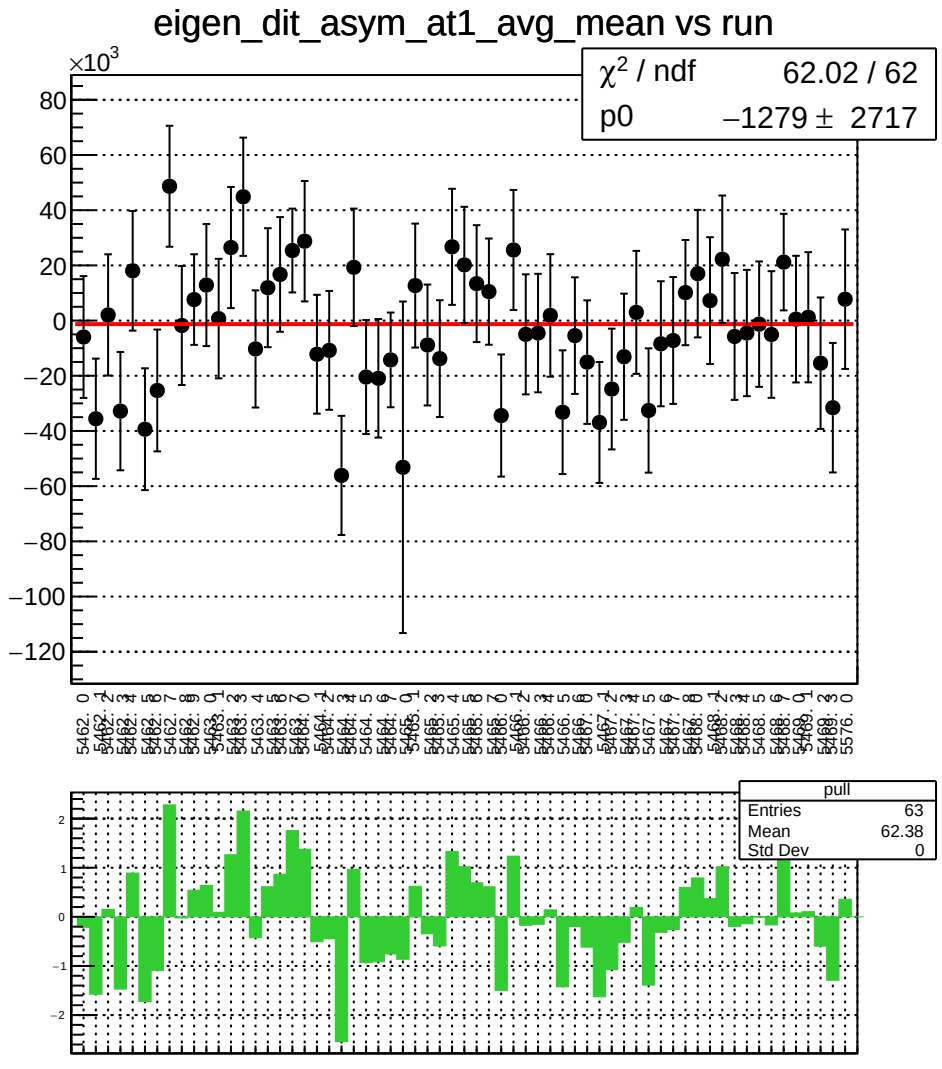

pull1D
Entries 63
Mean −0.03144
Std Dev 0.9917

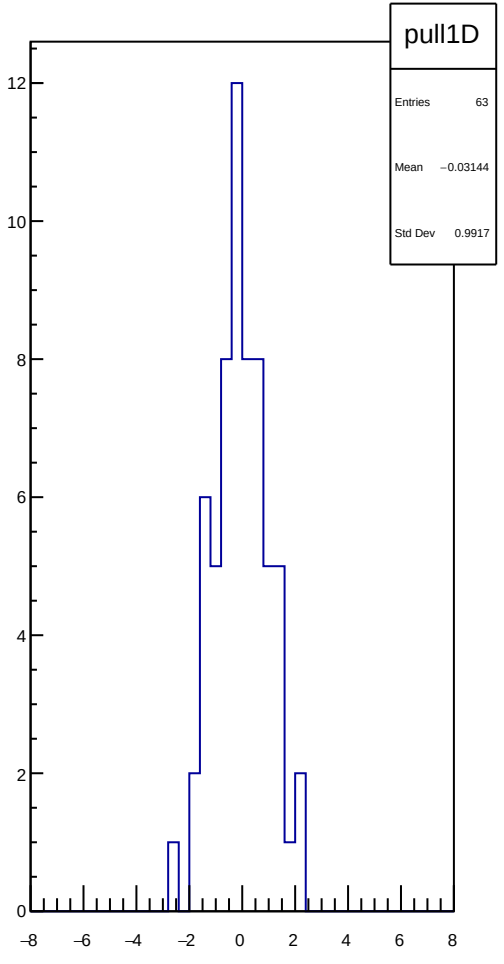

dit_asym_at1_avg_rms vs run
χ² / ndf 9964 / 62
p0 2105 ± 1.921
6000
5500
5000
4500
4000
3500
3000
2500
2000

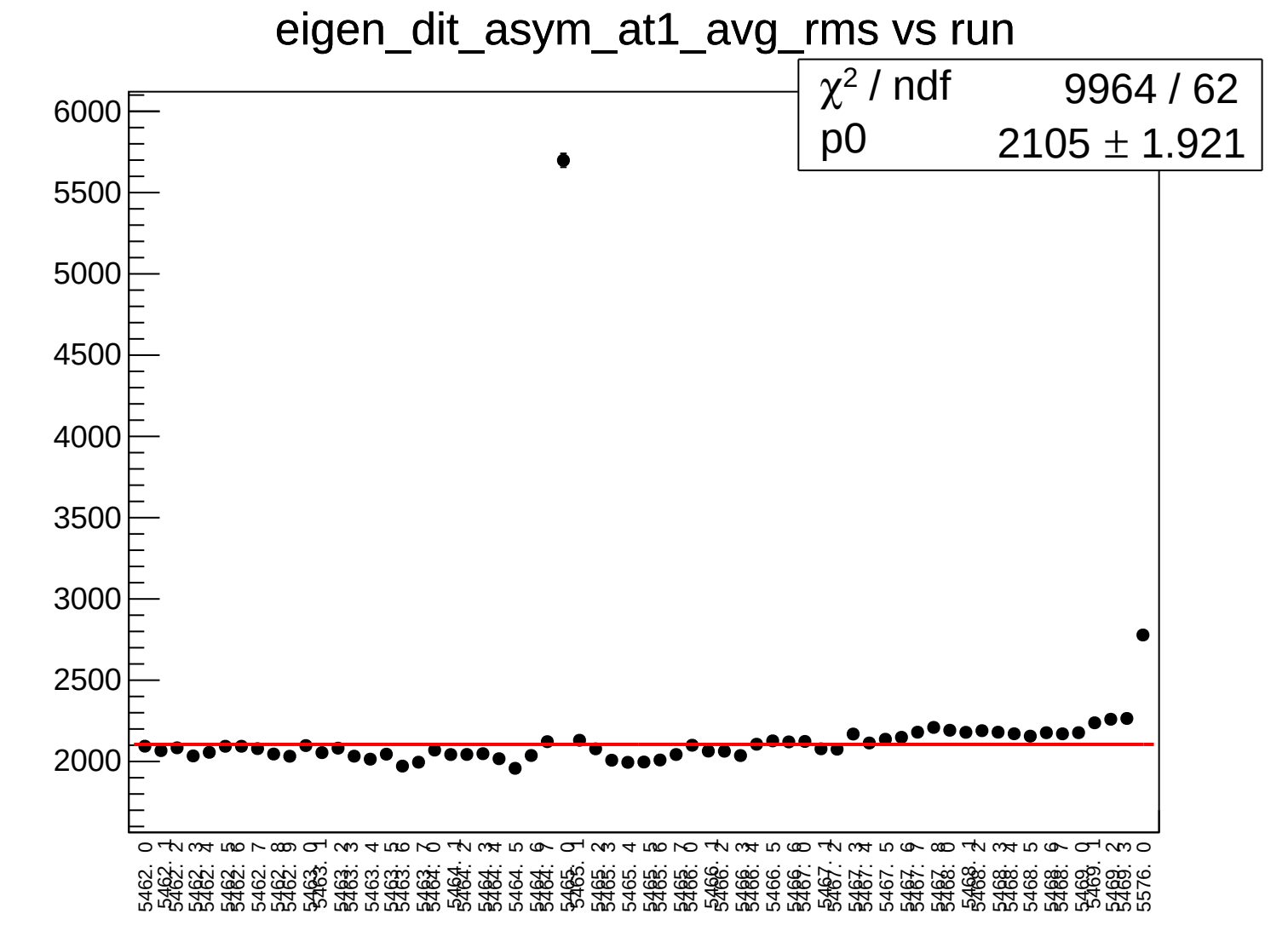

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 63.25 / 62
p0 1168 ± 2148
pull
Entries 63
Mean −434.5
Std Dev 0

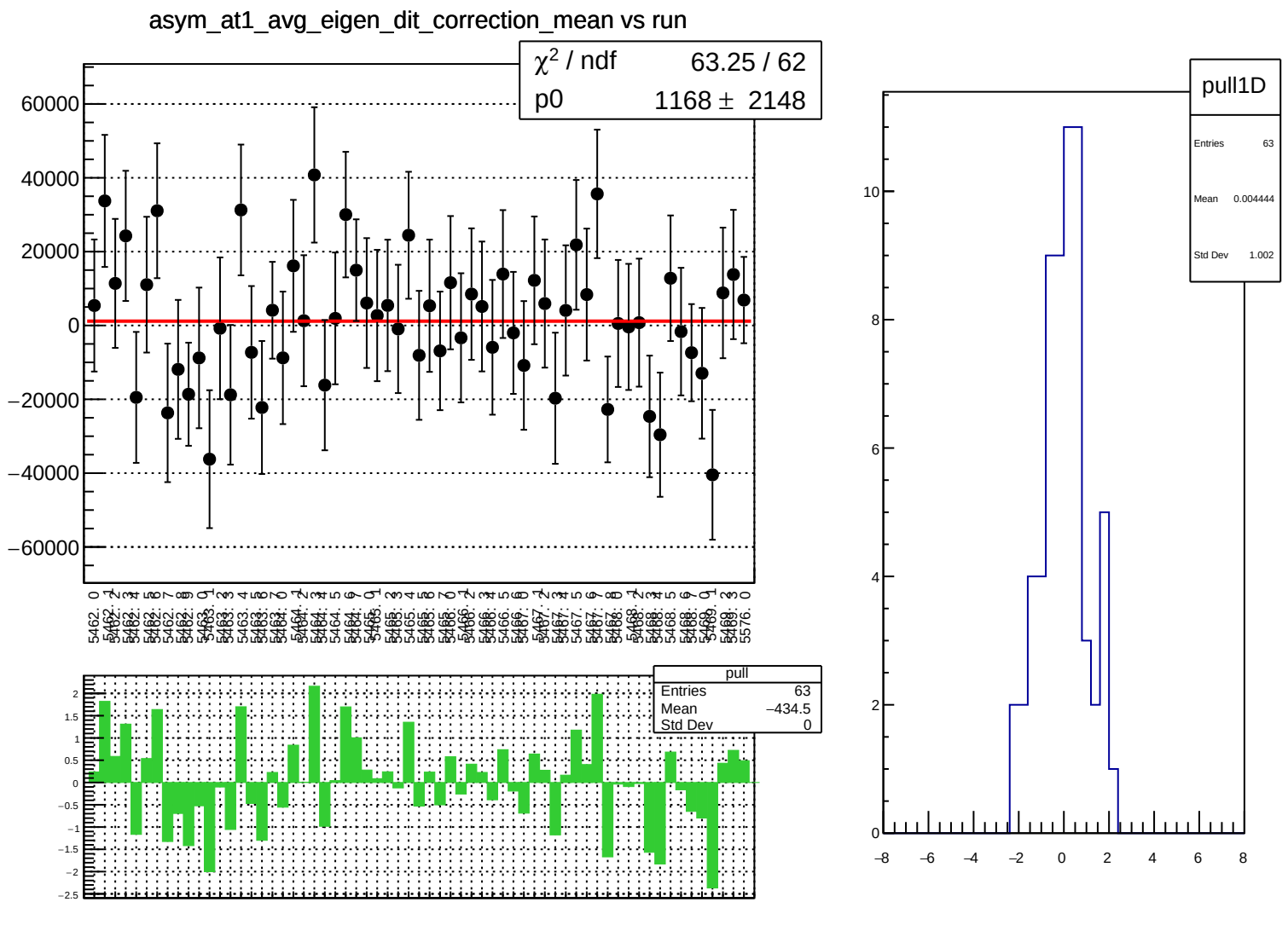

pull1D
Entries 63
Mean 0.004444
Std Dev 1.002

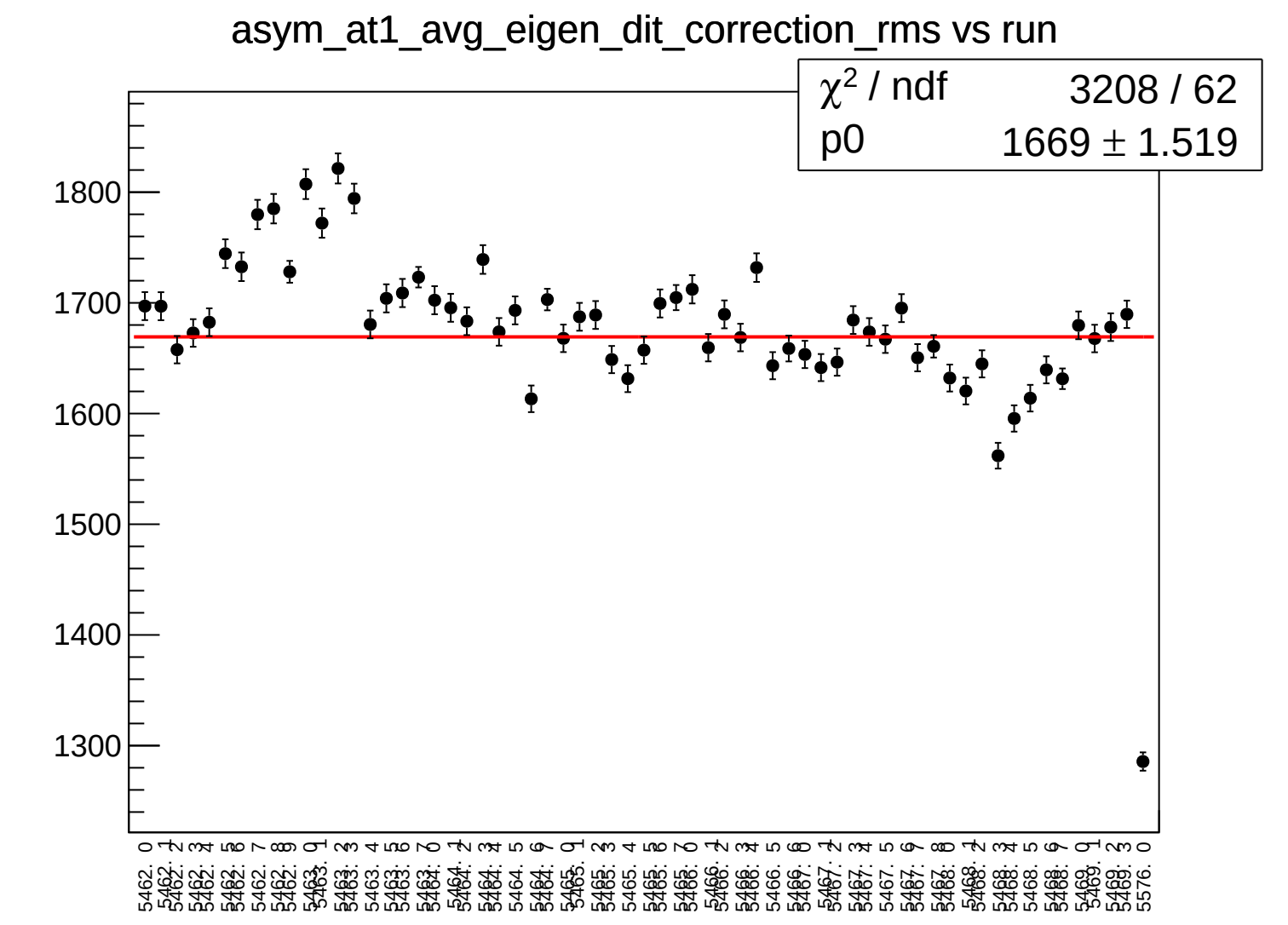

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 3208 / 62
p0 1669 ± 1.519
1800
1700
1600
1500
1400
1300

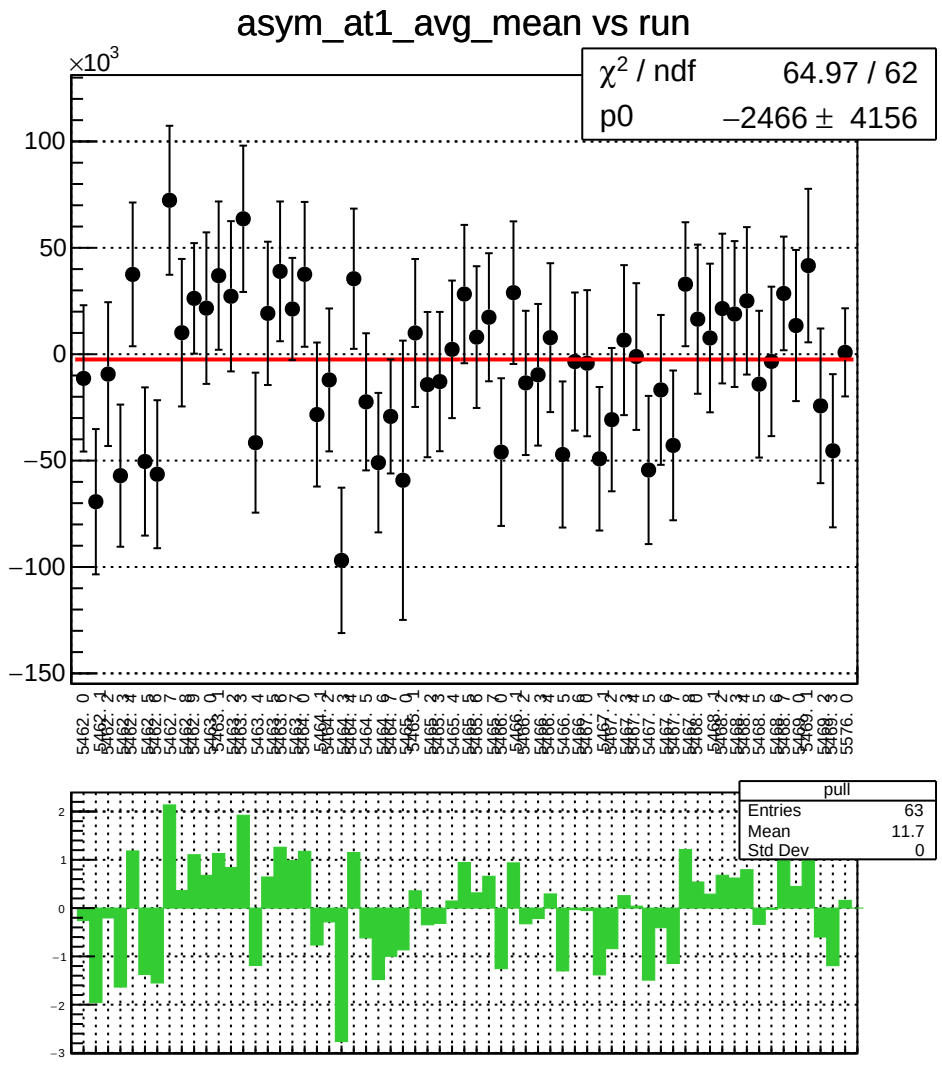

eigen_dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 62.02 / 62
p0 −1279 ± 2717
pull
Entries 63
Mean 62.38
Std Dev 0

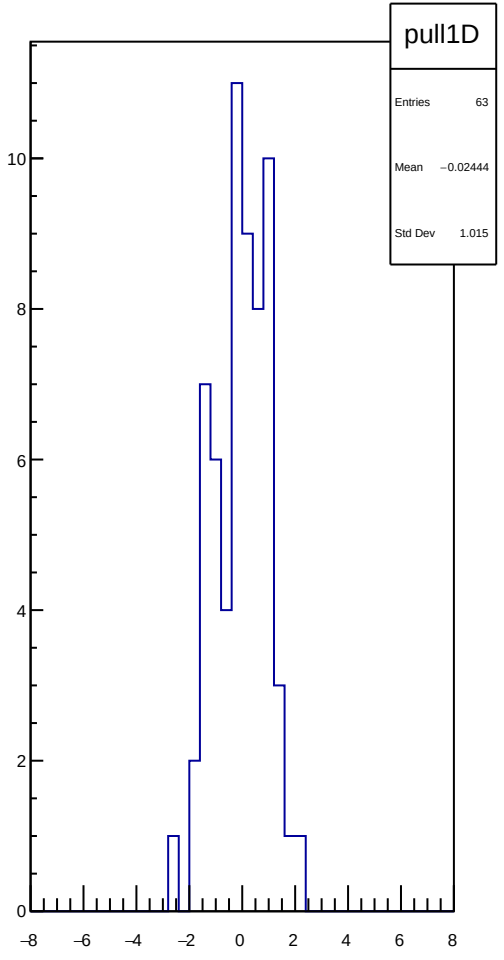

pull1D
Entries 63
Mean −0.03144
Std Dev 0.9917

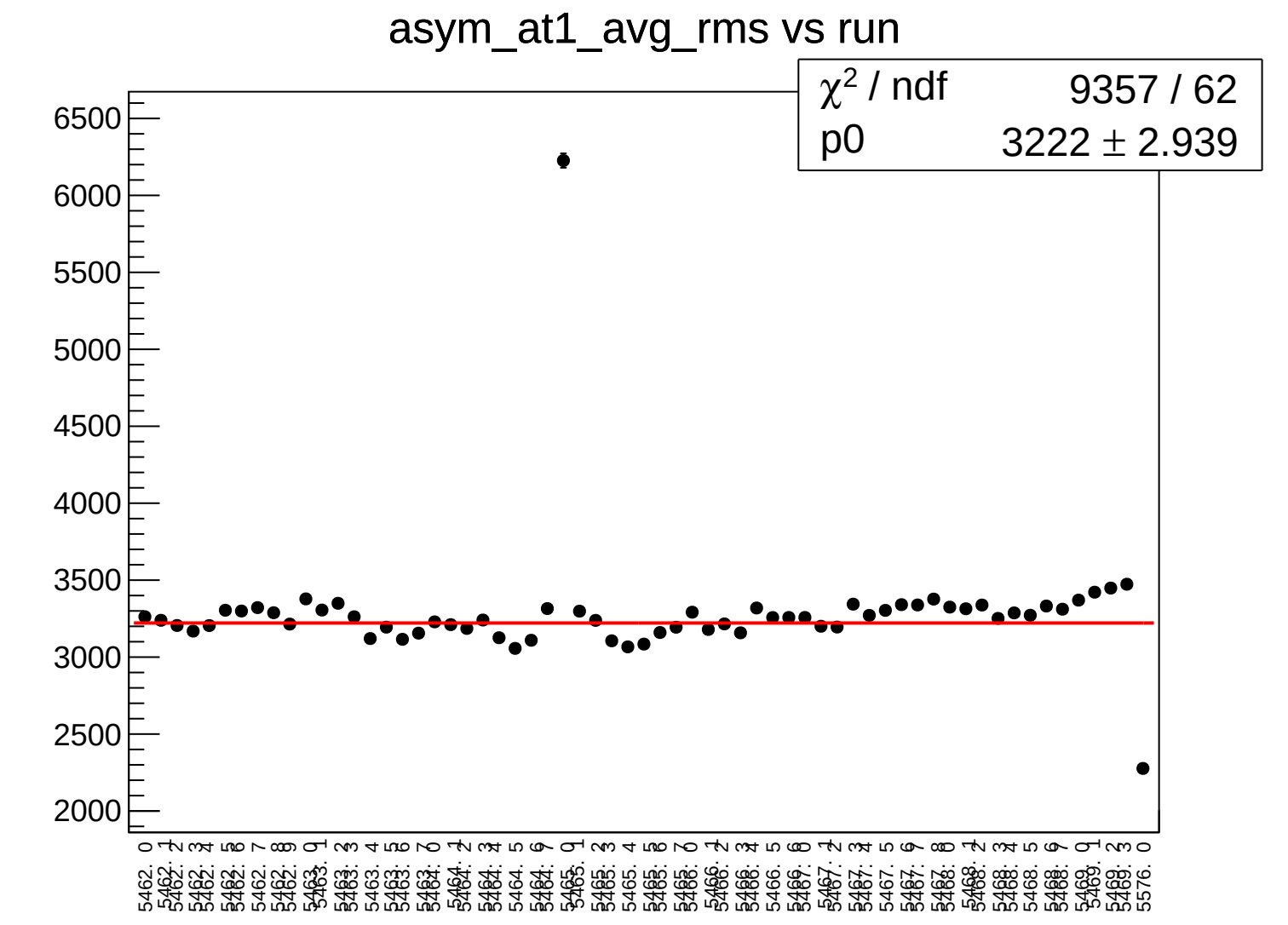

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 9964 / 62
p0 2105 ± 1.921
6000
5500
5000
4500
4000
3500
3000
2500
2000

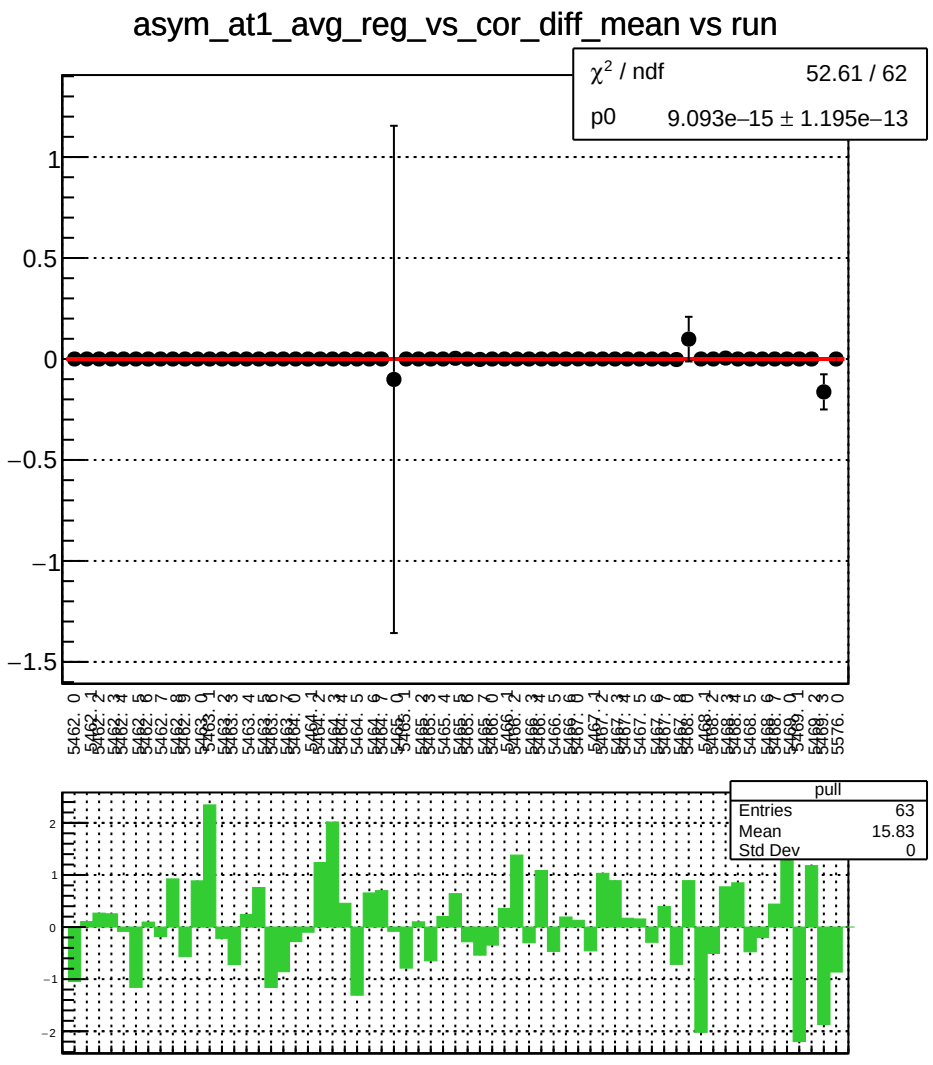

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.25 / 62
p0 1168 ± 2148
pull
Entries 63
Mean −434.5
Std Dev 0
pull1D
Entries 63
Mean 0.004444
Std Dev 1.002

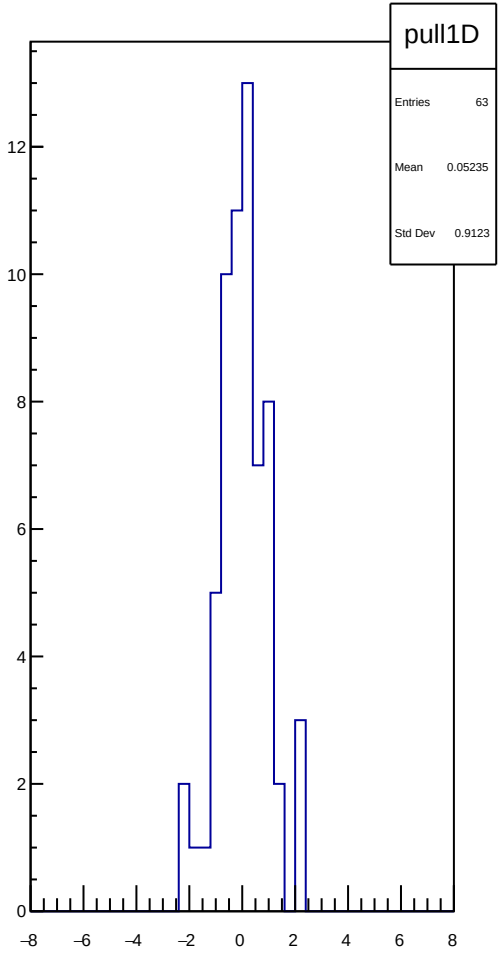

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3208 / 62
p0 1669 ± 1.519
1800
1700
1600
1500
1400
1300

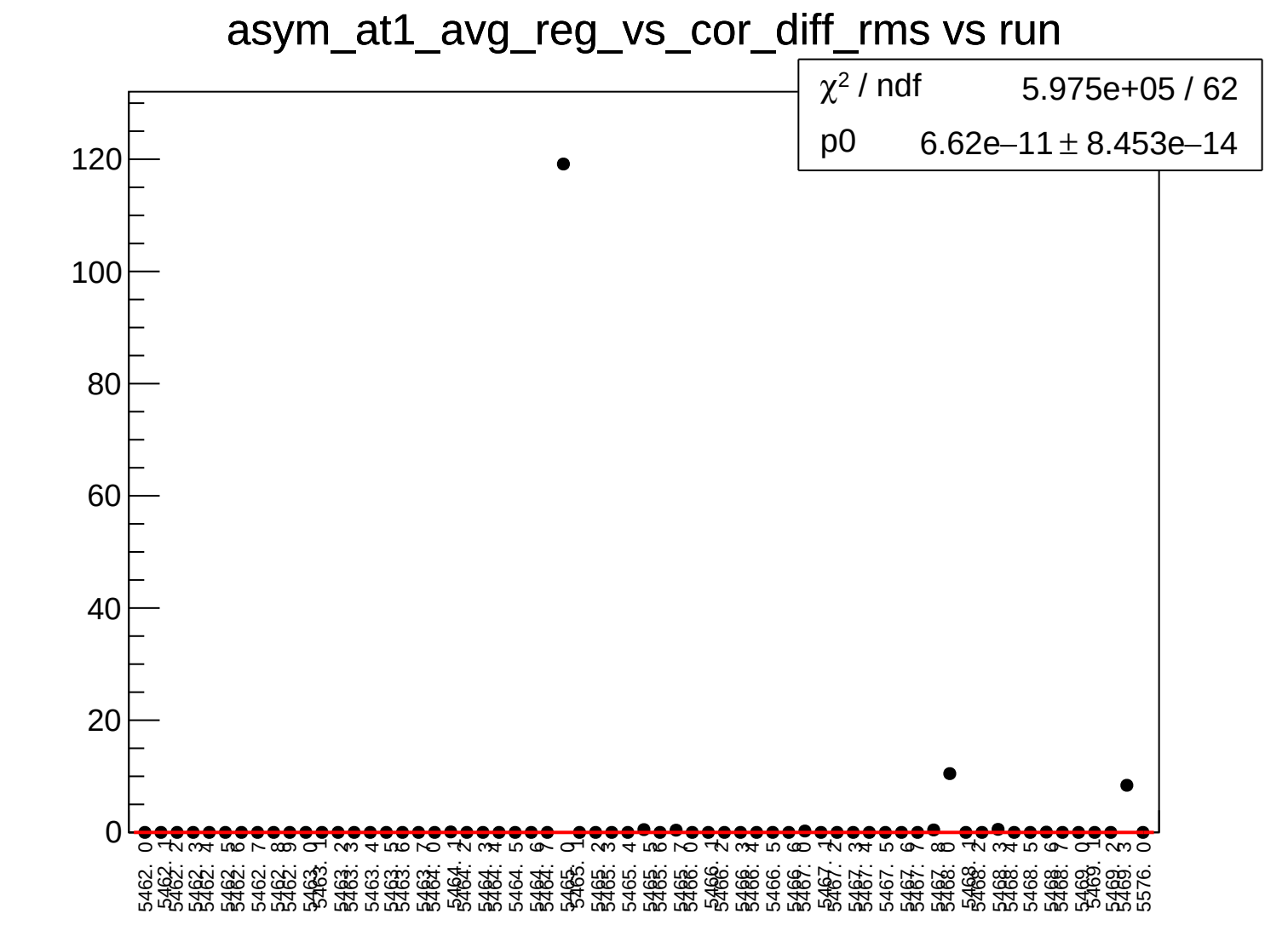

asym_at1_avg_mean vs run
×10^3
χ² / ndf 64.97 / 62
p0 −2466 ± 4156
100
50
0
−50
−100
−150
pull
Entries 63
Mean 11.7
Std Dev 0
2
1
0
−1
−2
−3

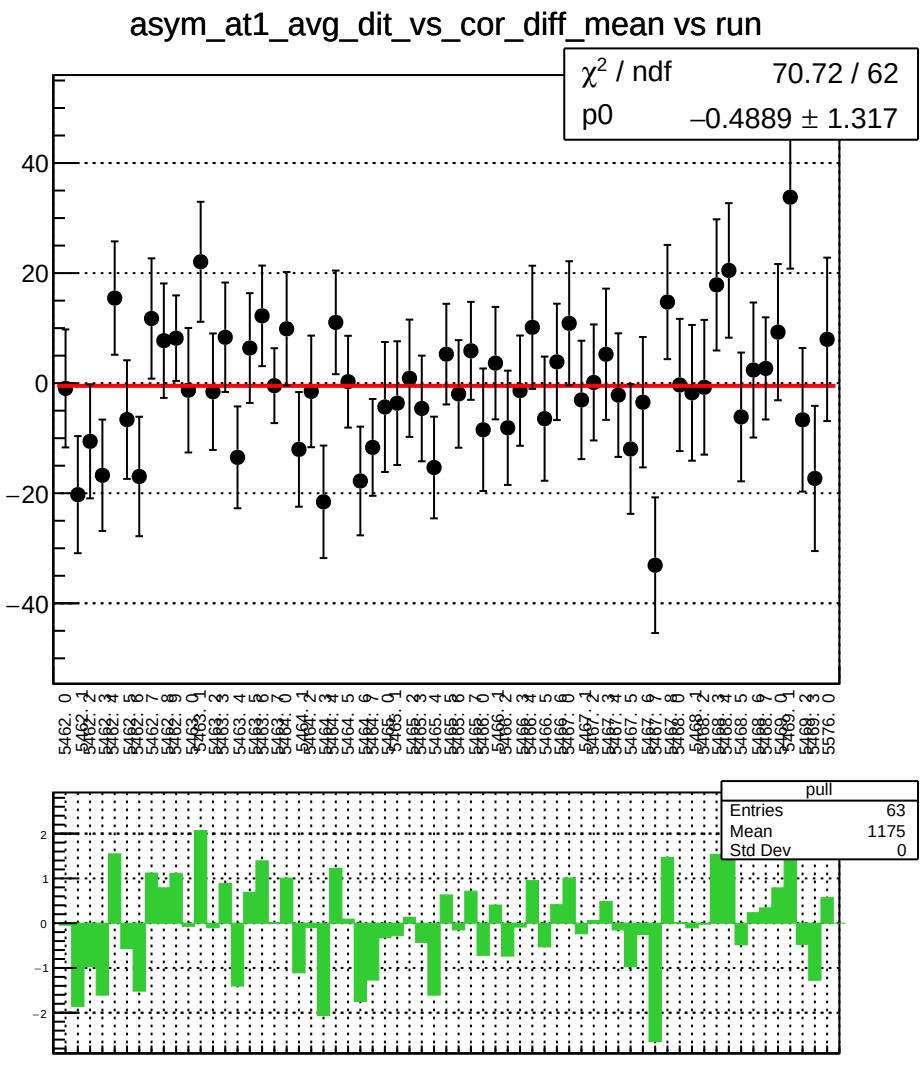

pull1D
Entries 63
Mean −0.02444
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

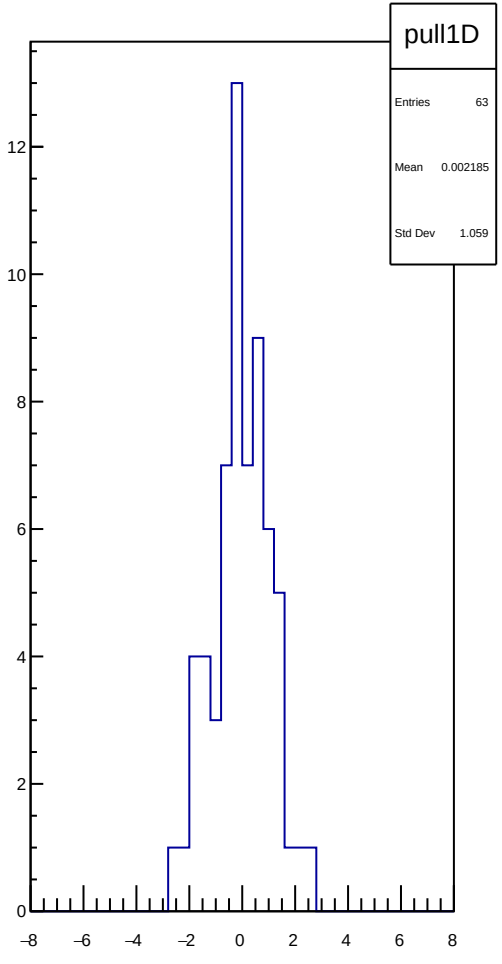

asym_at1_avg_rms vs run
χ² / ndf 9357 / 62
p0 3222 ± 2.939
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000

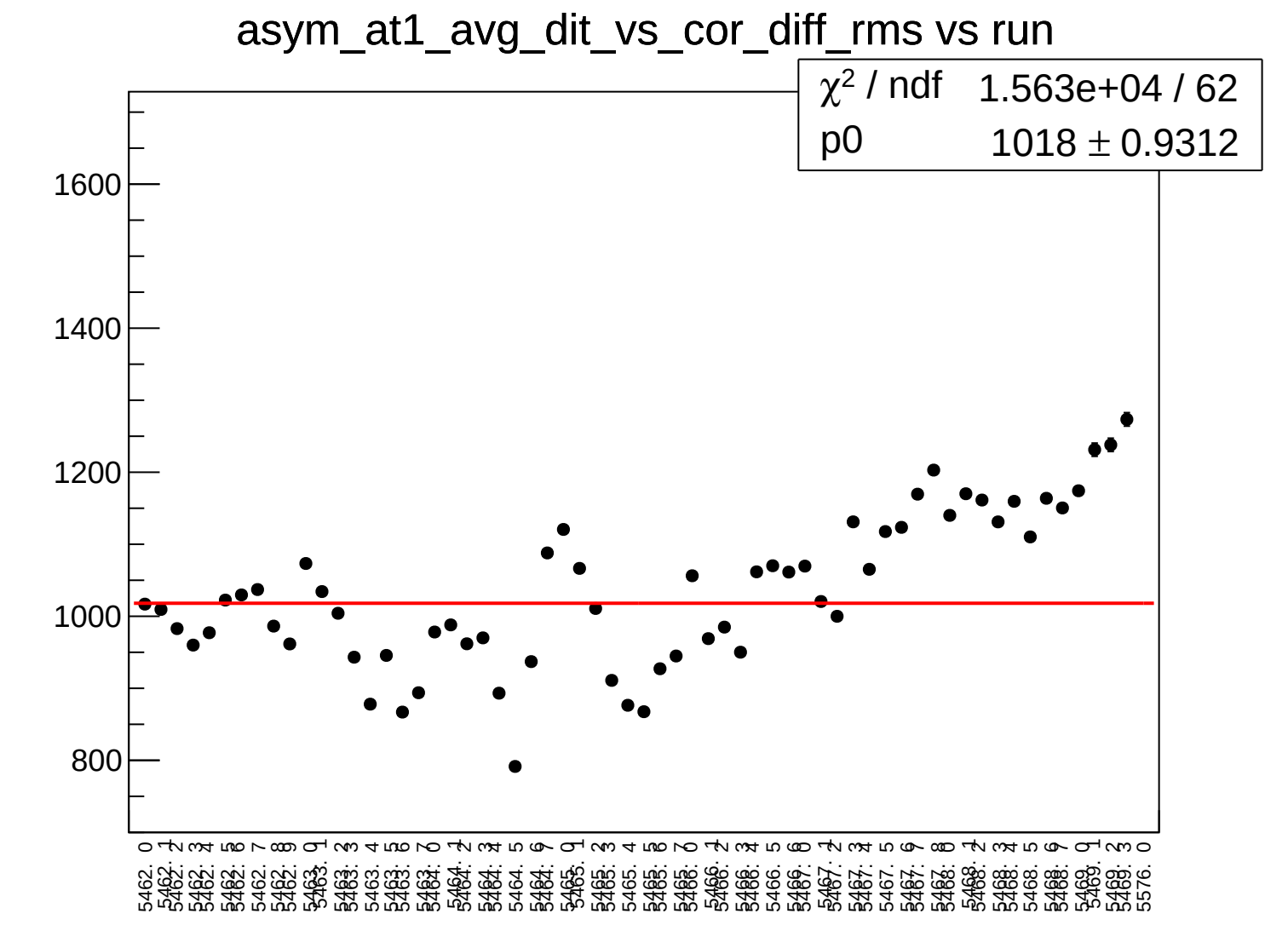

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.61 / 62
p0 9.093e−15 ± 1.195e−13
pull
Entries 63
Mean 15.83
Std Dev 0

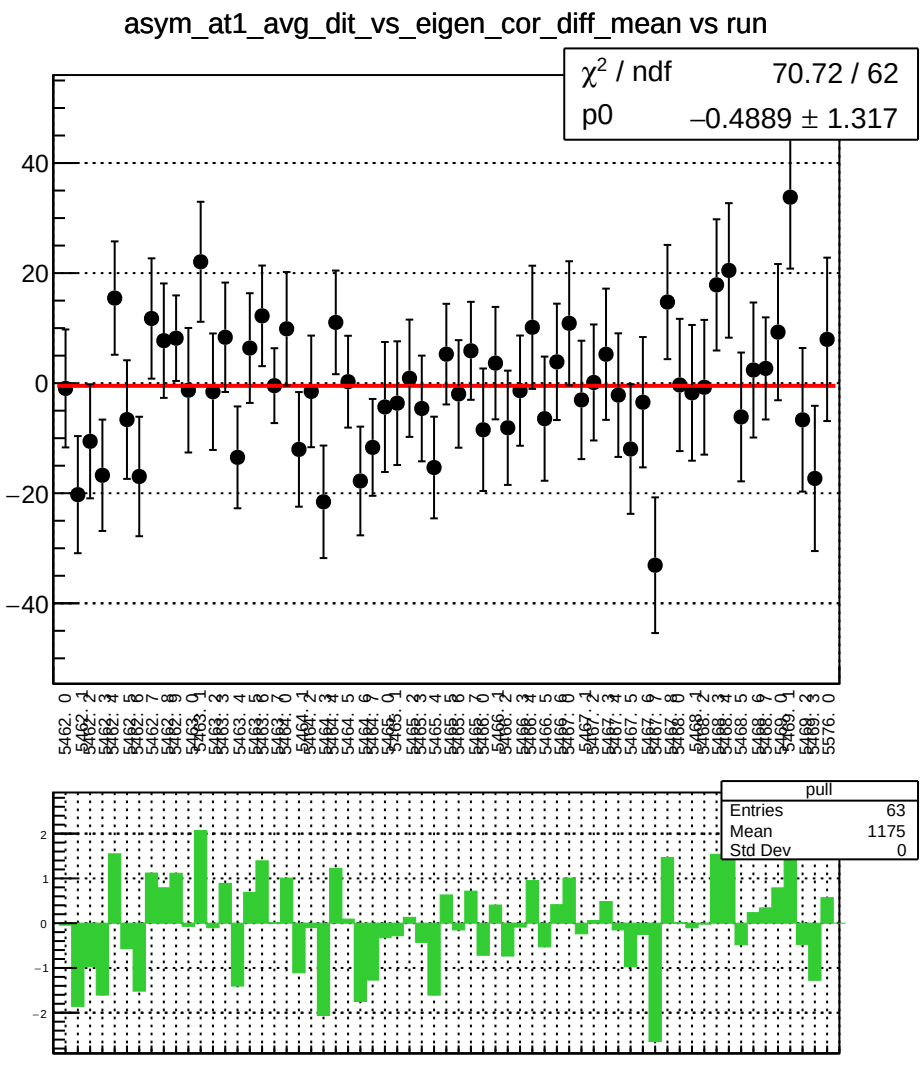

pull1D
Entries 63
Mean 0.05235
Std Dev 0.9123

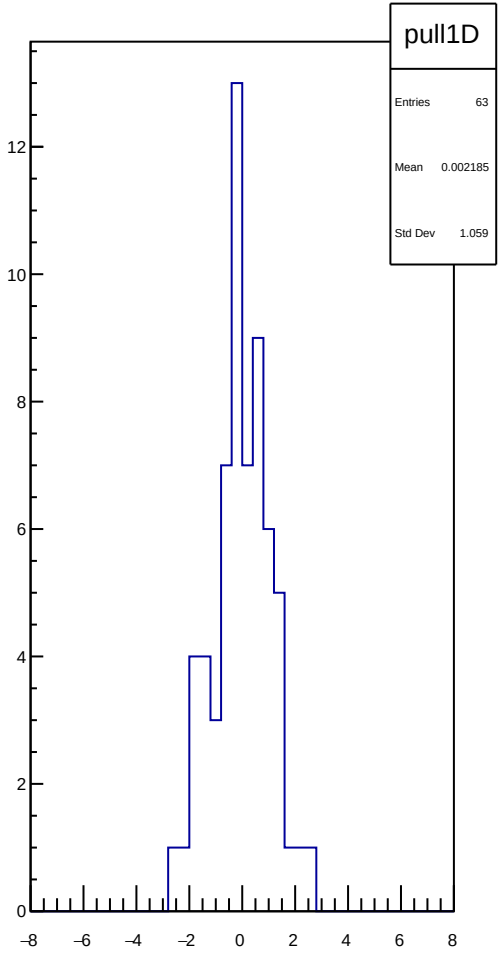

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.975e+05 / 62
p0 6.62e−11 ± 8.453e−14
120
100
80
60
40
20
0

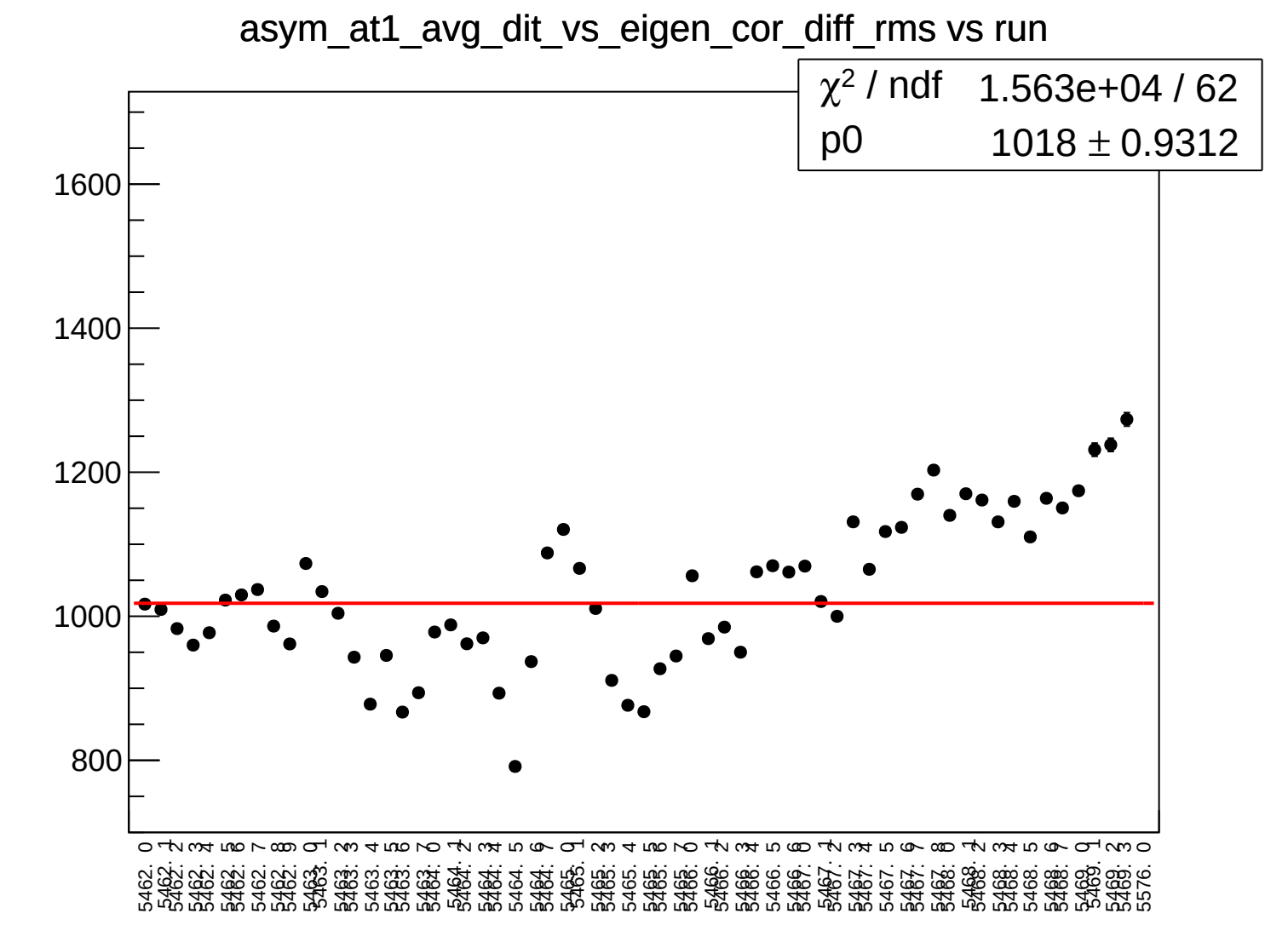

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.72 / 62
p0 −0.4889 ± 1.317
pull
Entries 63
Mean 1175
Std Dev 0

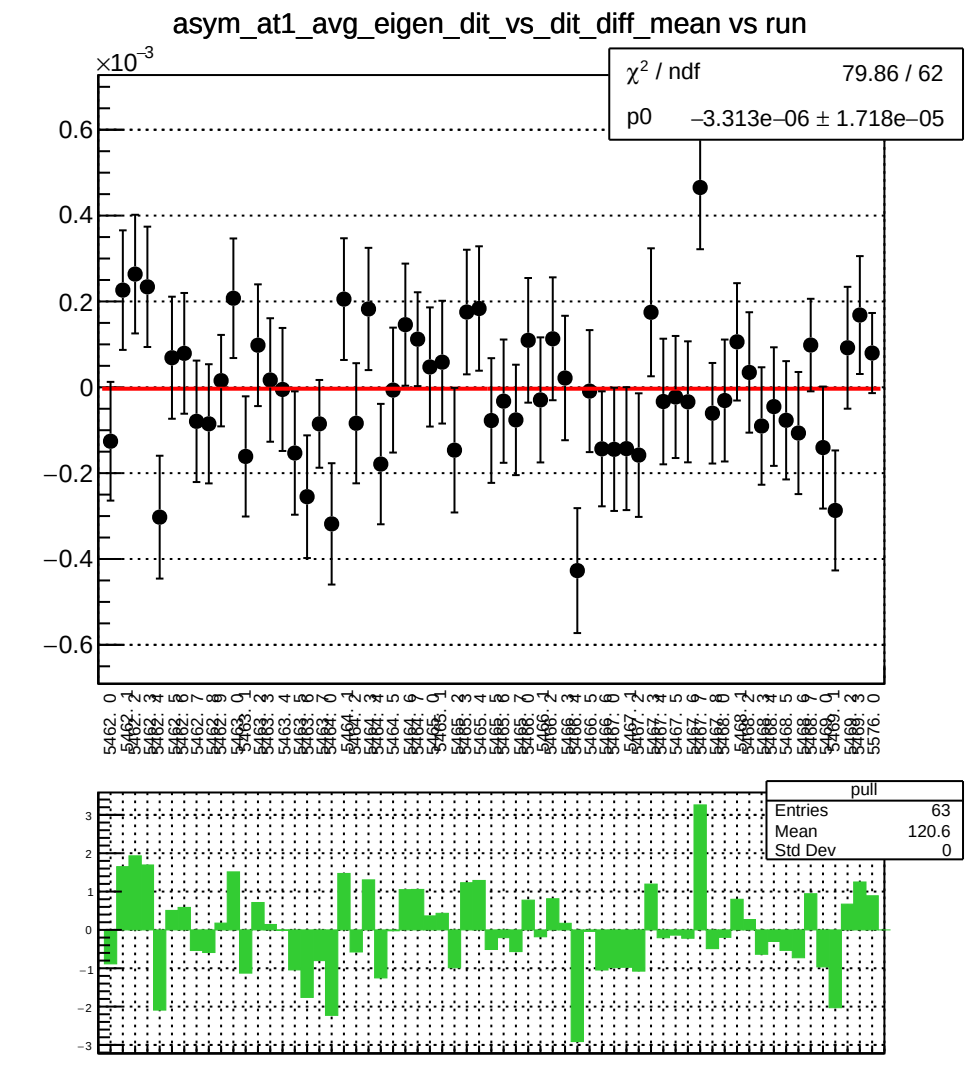

pull1D
Entries 63
Mean 0.002185
Std Dev 1.059

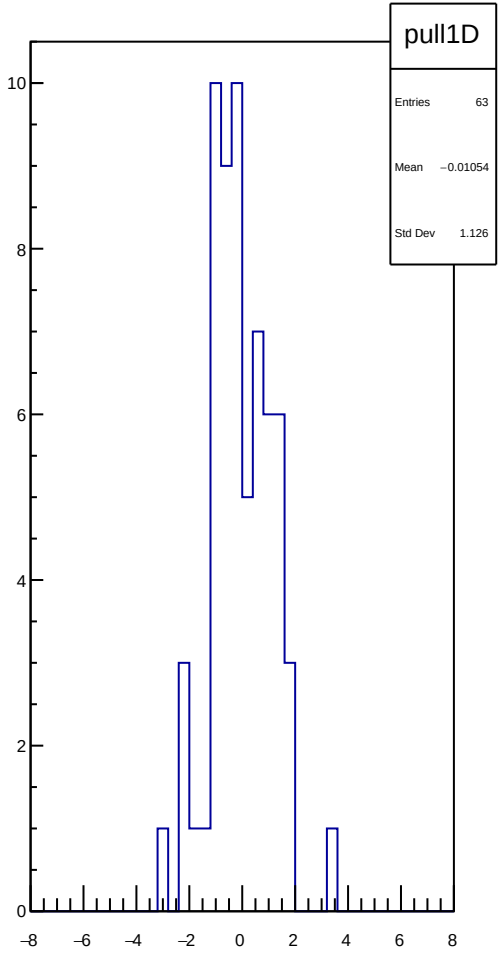

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.563e+04 / 62
p0 1018 ± 0.9312
1600
1400
1200
1000
800

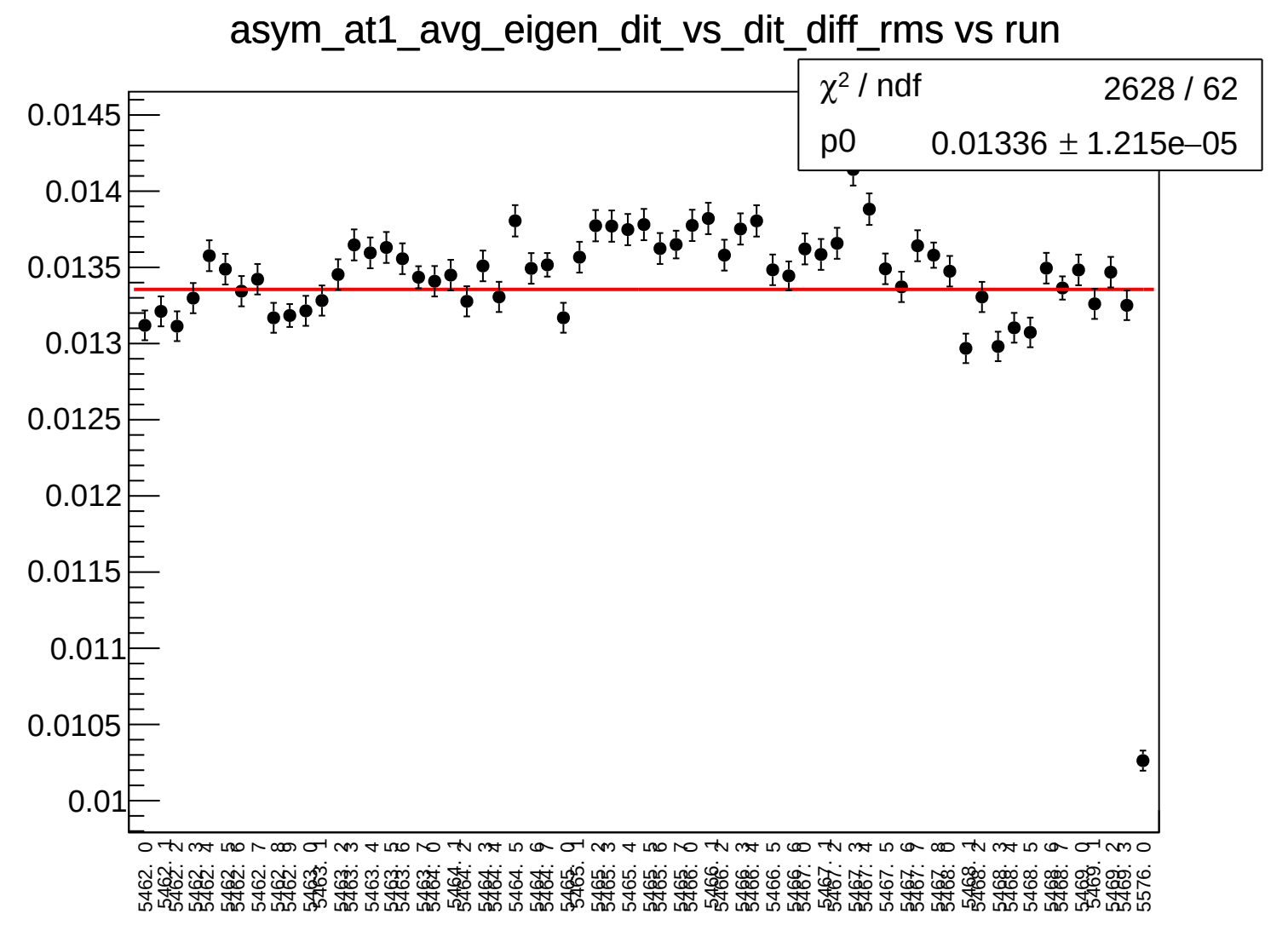

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.72 / 62
p0 −0.4889 ± 1.317
pull
Entries 63
Mean 1175
Std Dev 0


pull1D
Entries 63
Mean 0.002185
Std Dev 1.059


asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.563e+04 / 62
p0 1018 ± 0.9312
1600
1400
1200
1000
800


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.86 / 62
p0 −3.313e−06 ± 1.718e−05
pull
Entries 63
Mean 120.6
Std Dev 0


pull1D
Entries 63
Mean −0.01054
Std Dev 1.126


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2628 / 62
p0 0.01336 ± 1.215e−05
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
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5463. 2
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5463. 4
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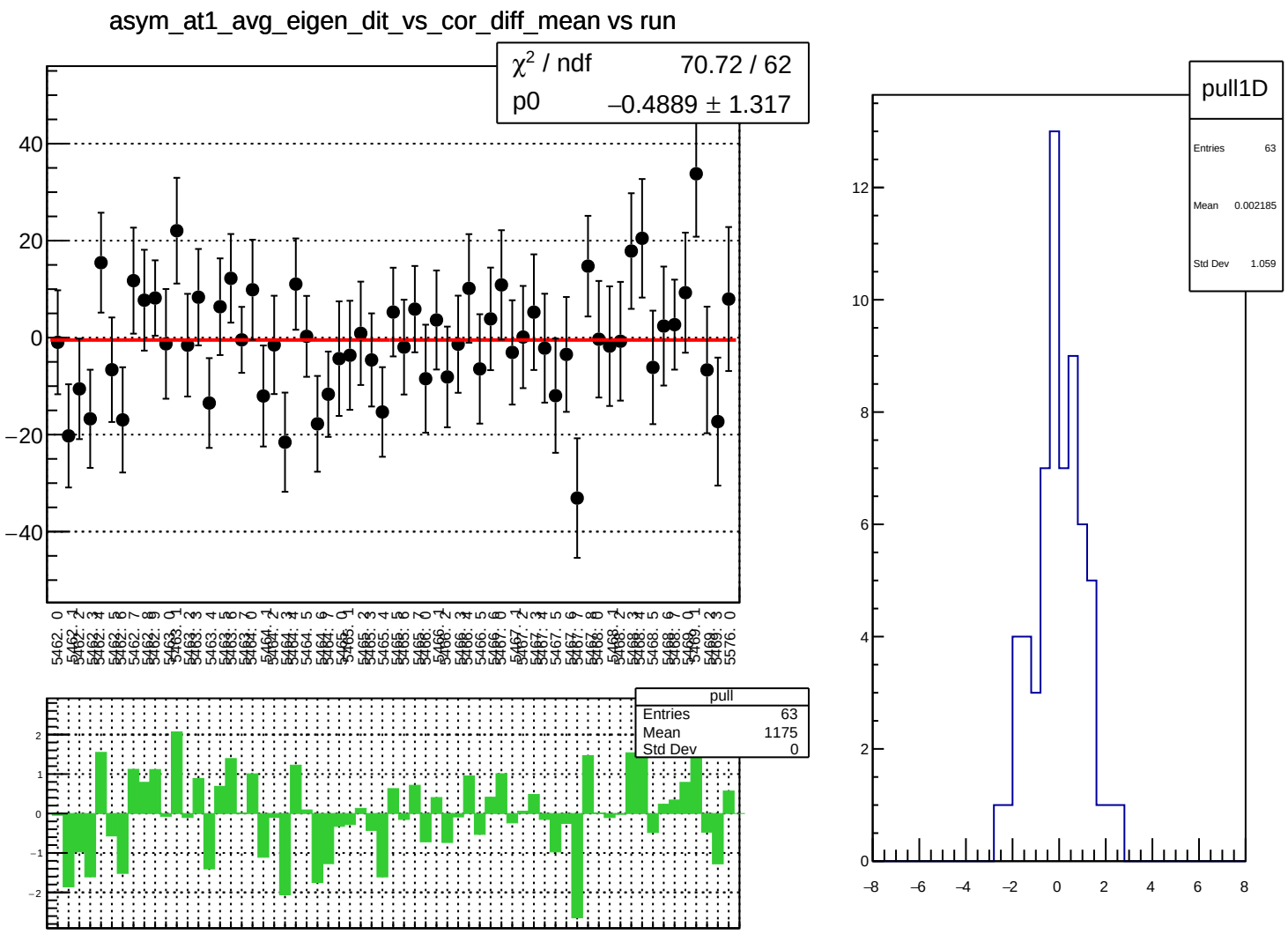
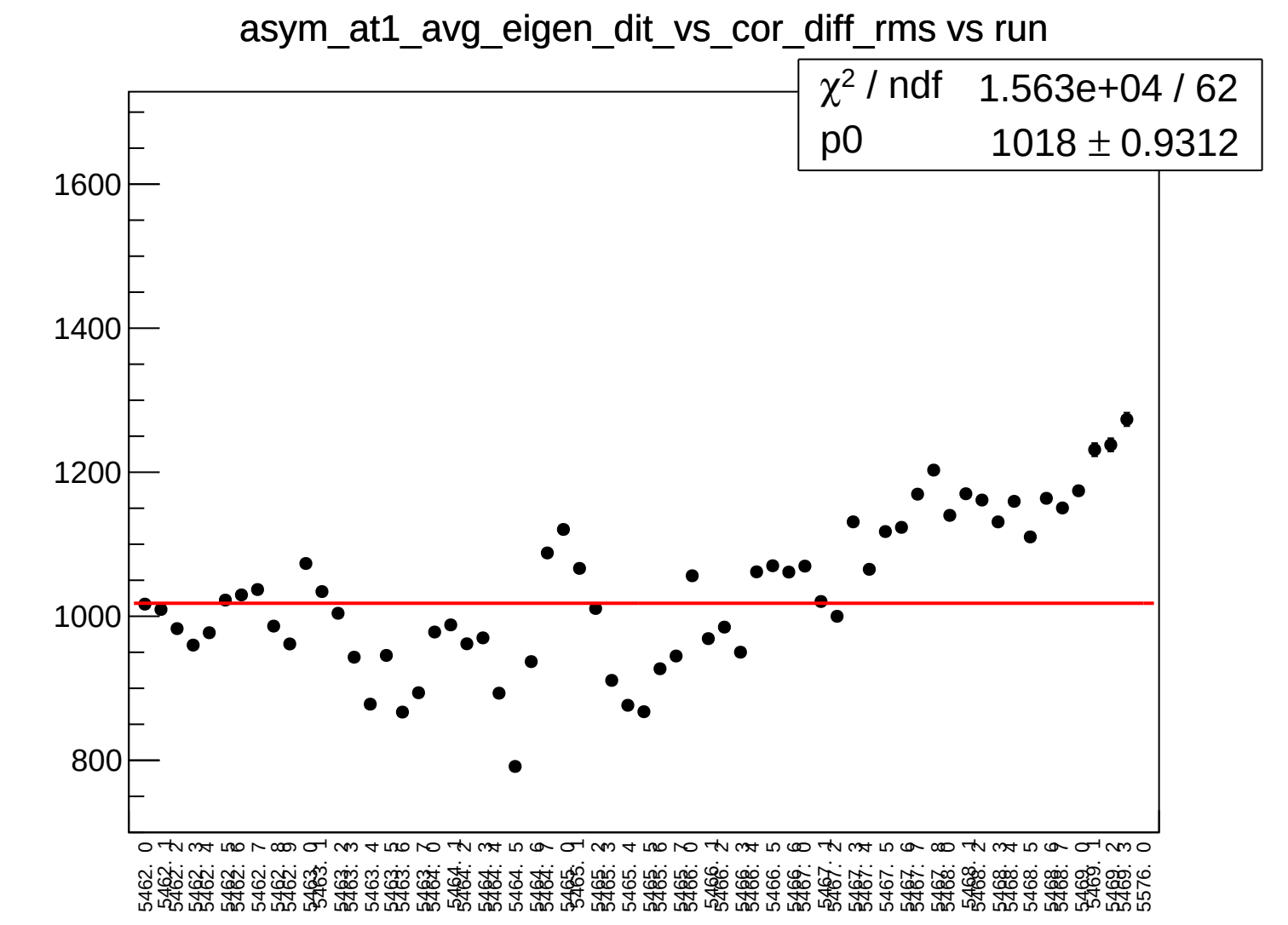
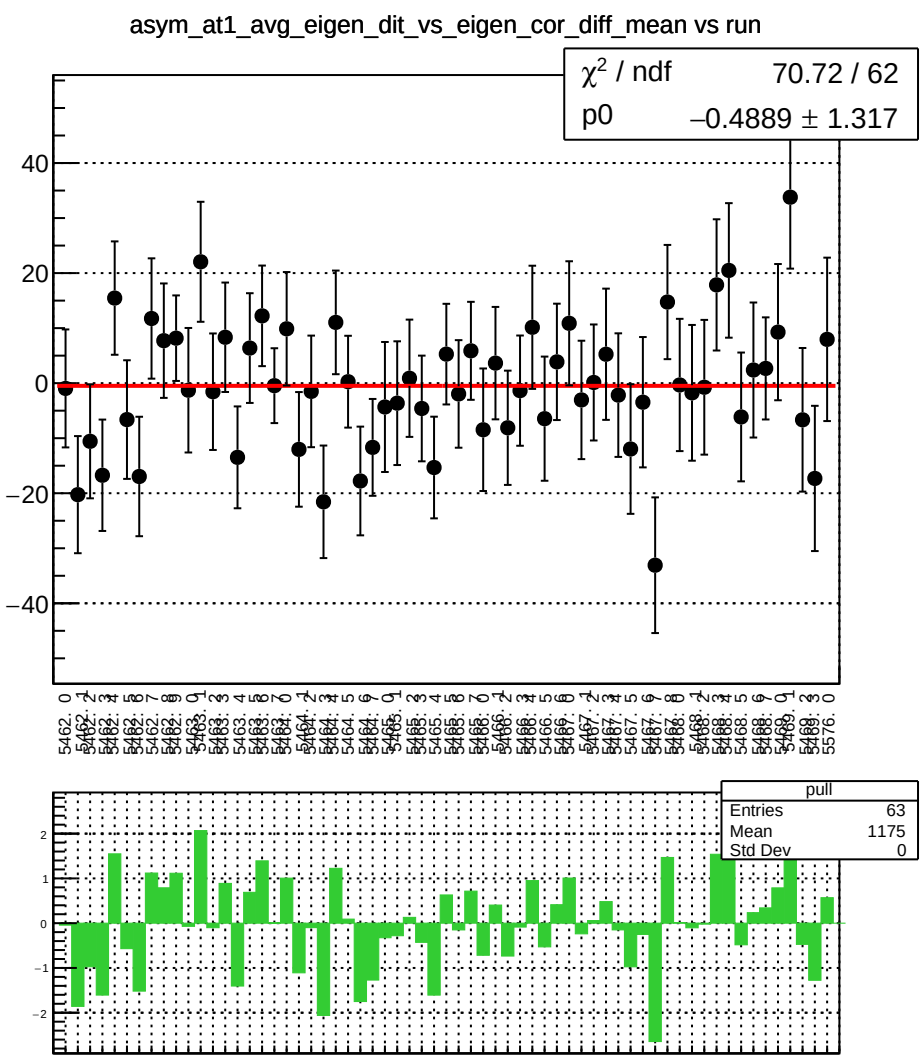
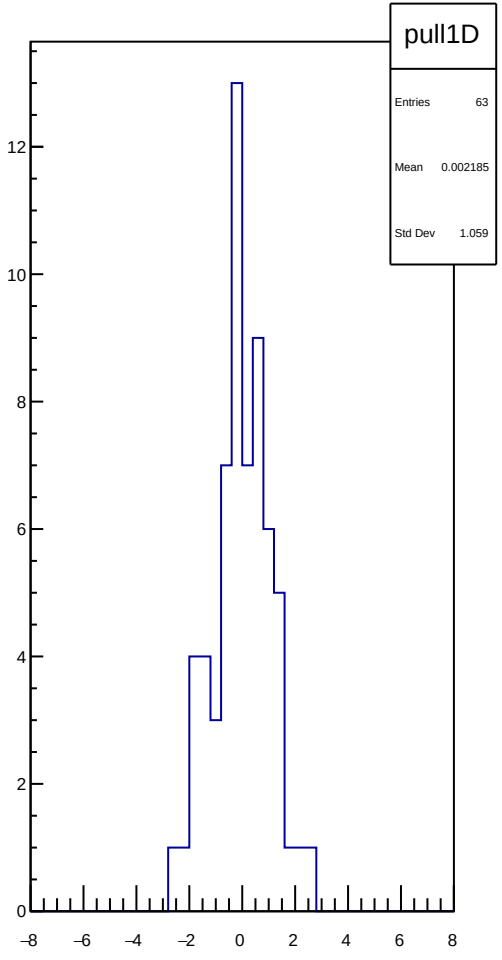
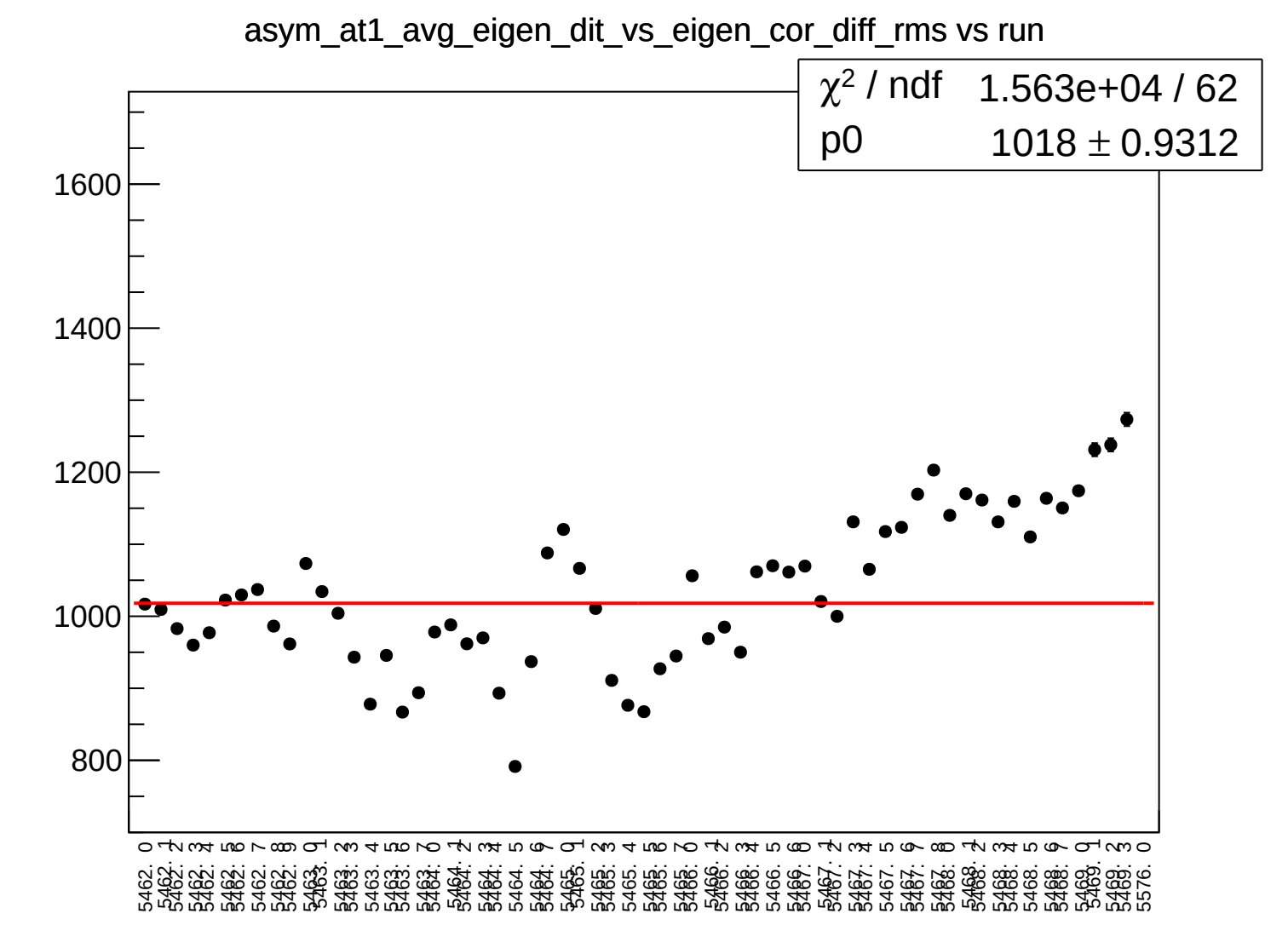
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

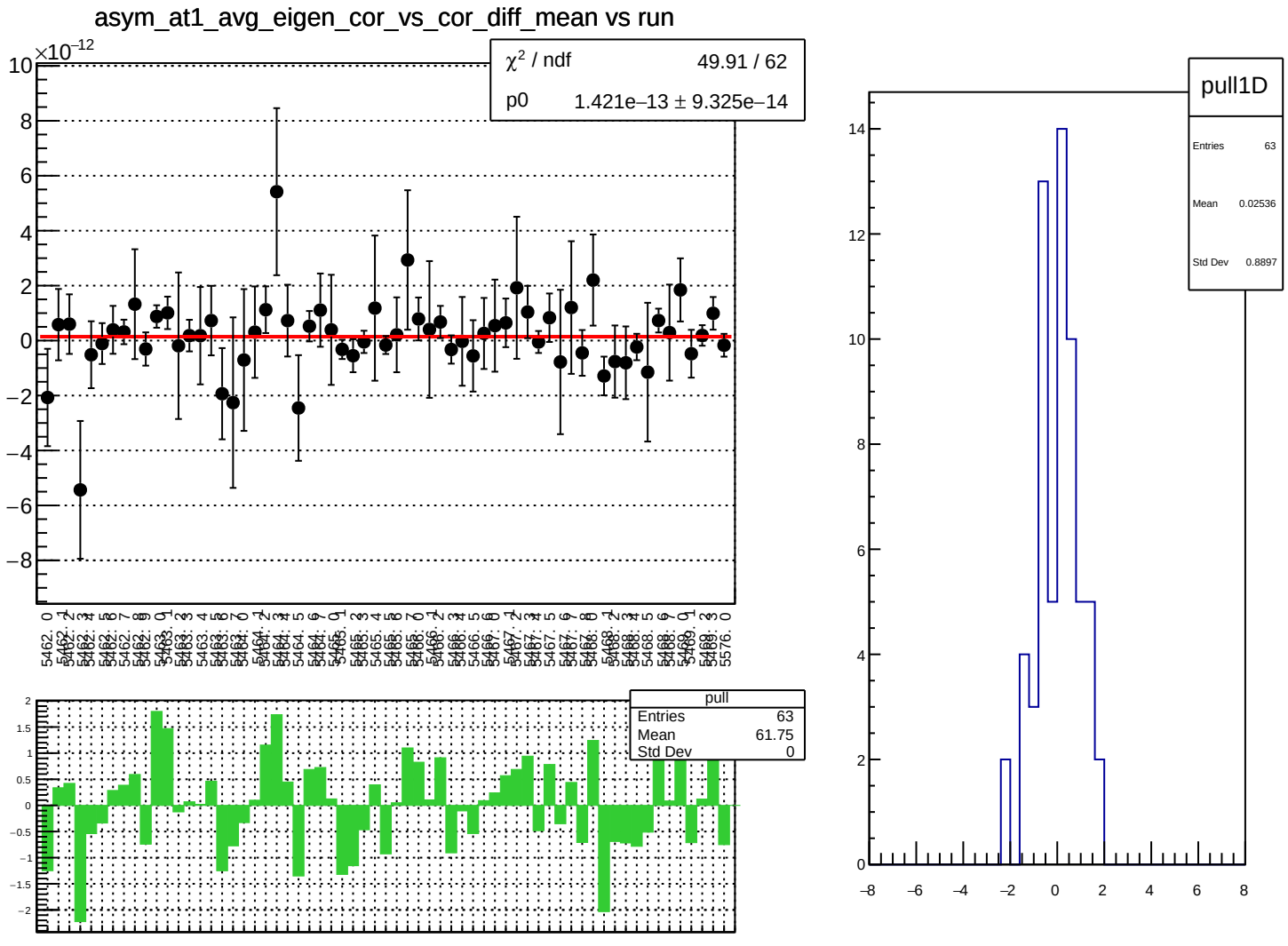

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.72 / 62
p0 −0.4889 ± 1.317
pull
Entries 63
Mean 1175
Std Dev 0
pull1D
Entries 63
Mean 0.002185
Std Dev 1.059

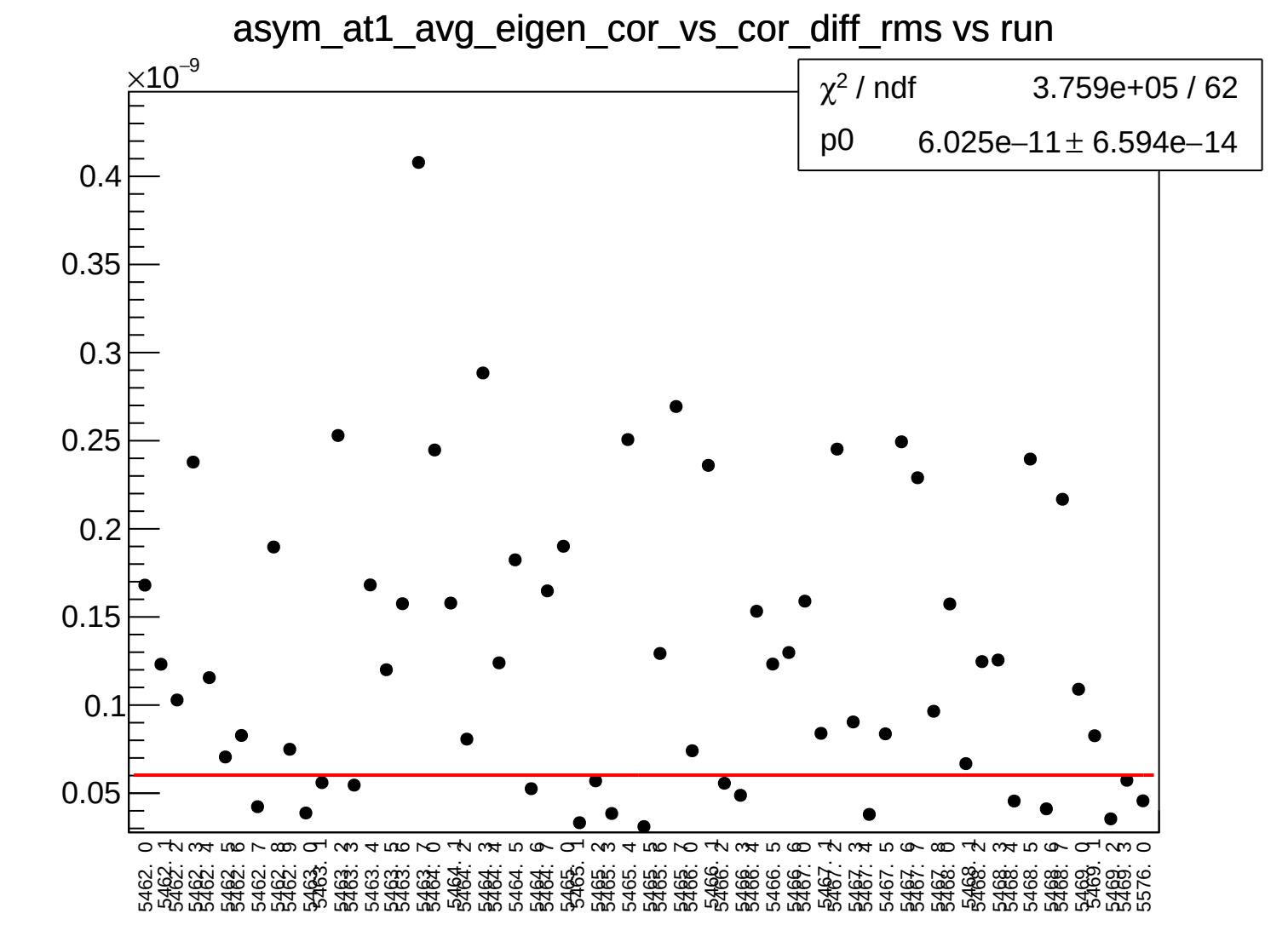

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.563e+04 / 62
p0 1018 ± 0.9312
1600
1400
1200
1000
800


asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.72 / 62
p0 −0.4889 ± 1.317
pull
Entries 63
Mean 1175
Std Dev 0


pull1D
Entries 63
Mean 0.002185
Std Dev 1.059


asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.563e+04 / 62
p0 1018 ± 0.9312
1600
1400
1200
1000
800


asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.91 / 62
p0 1.421e−13 ± 9.325e−14
pull
Entries 63
Mean 61.75
Std Dev 0
pull1D
Entries 63
Mean 0.02536
Std Dev 0.8897


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.759e+05 / 62
p0 6.025e−11 ± 6.594e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
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5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
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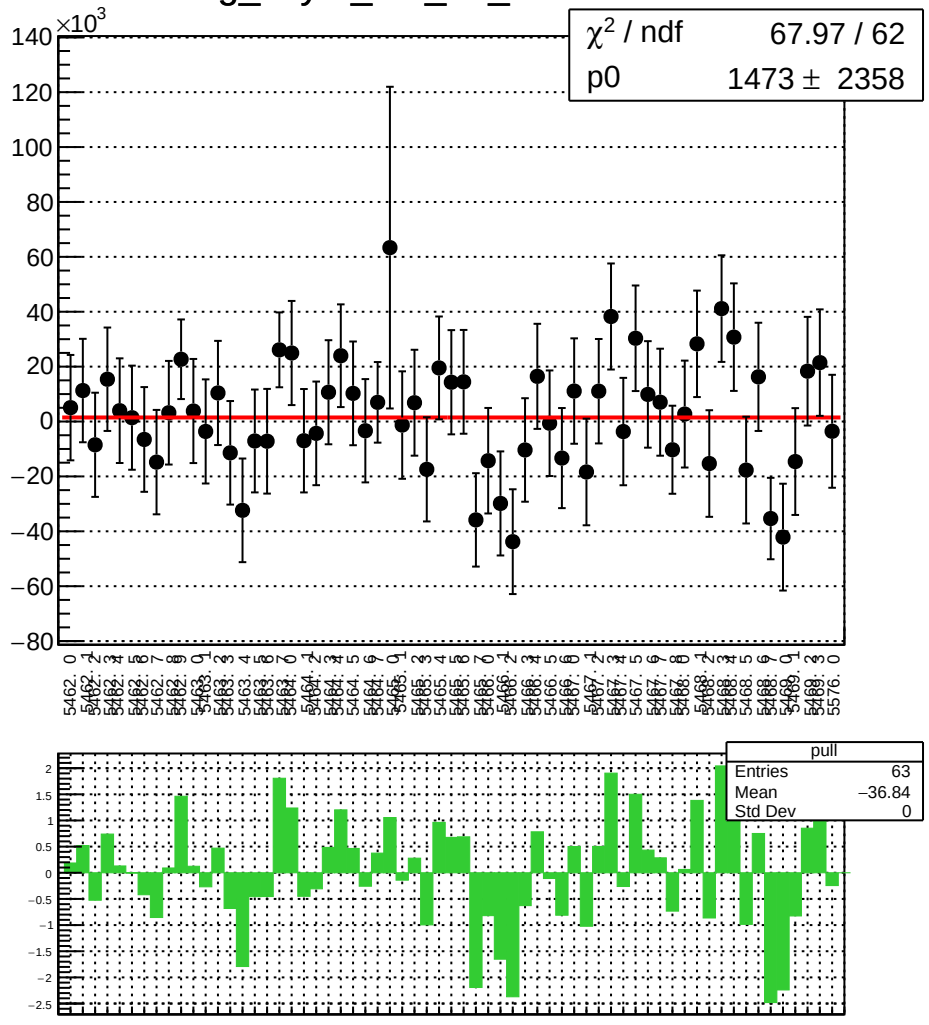
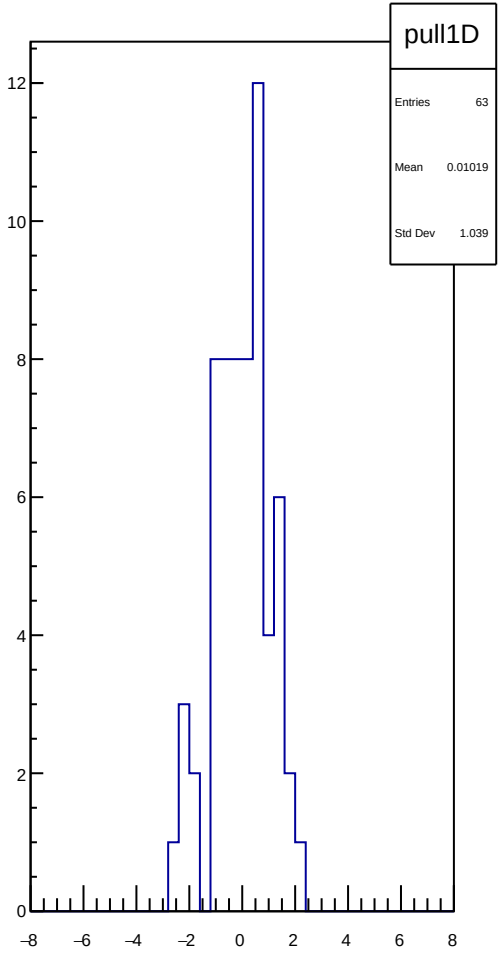
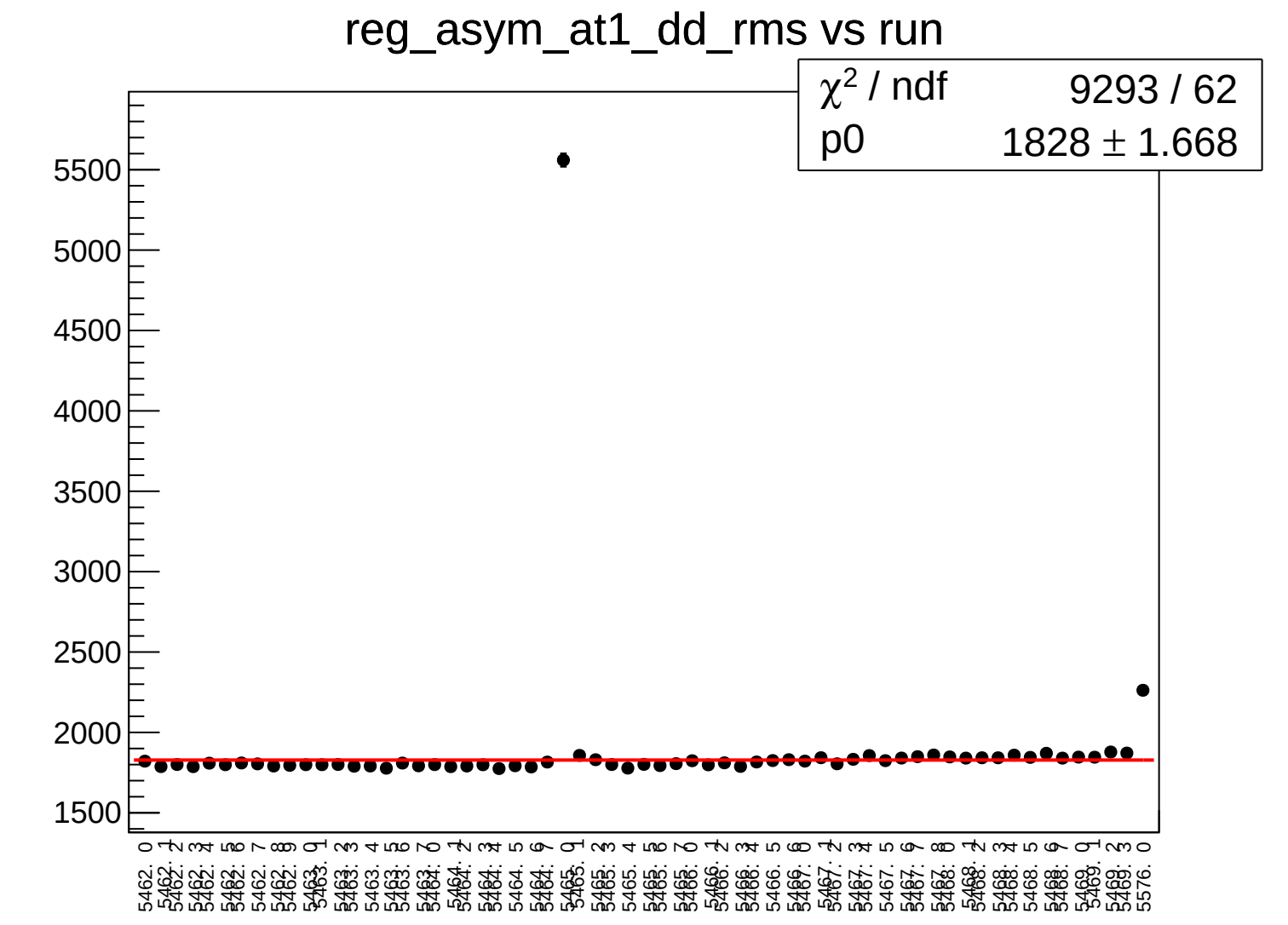
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


reg_asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.97 / 62
p0 1473 ± 2358
pull
Entries 63
Mean −36.84
Std Dev 0


pull1D
Entries 63
Mean 0.01019
Std Dev 1.039


reg_asym_at1_dd_rms vs run
χ^2 / ndf 9293 / 62
p0 1828 ± 1.668
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
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5464. 2
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5465. 1
5465. 2
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5465. 6
5465. 7
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5466. 2
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5466. 7
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5467. 2
5467. 3
5467. 4
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5467. 6
5467. 7
5467. 8
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5468. 1
5468. 2
5468. 3
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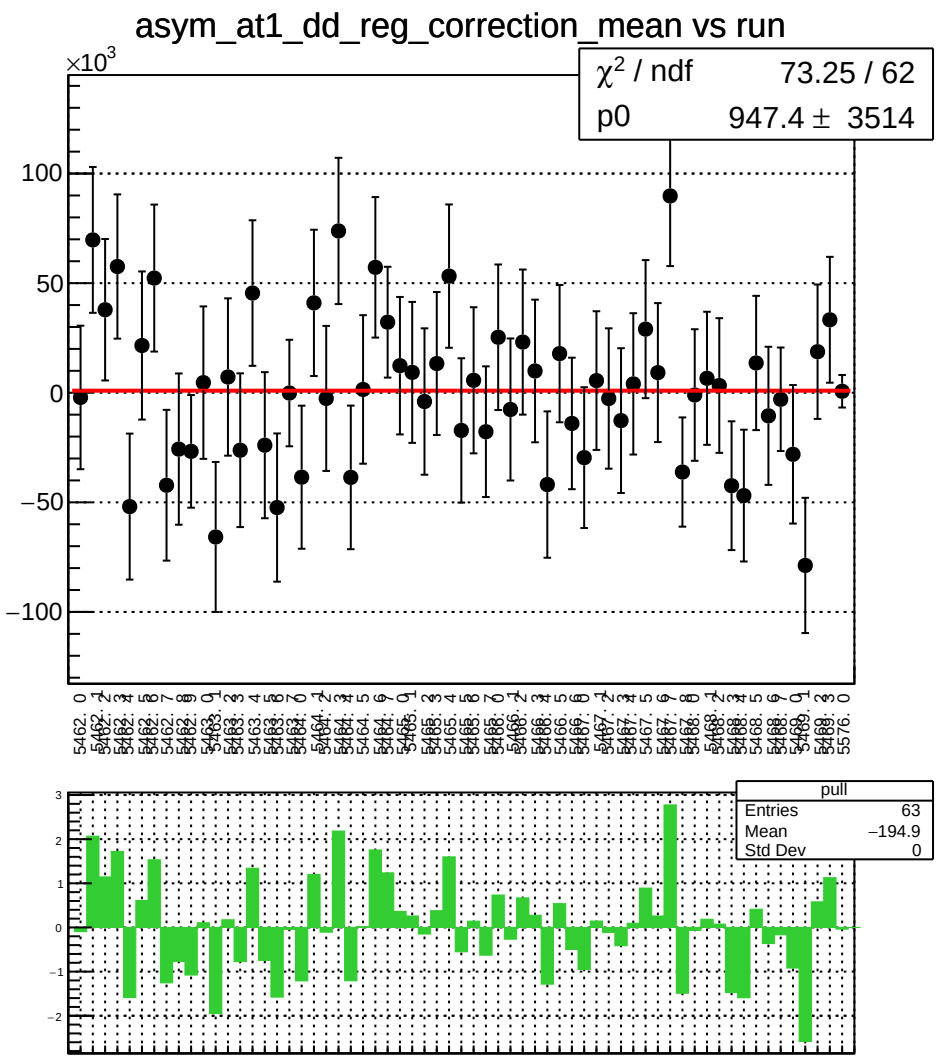
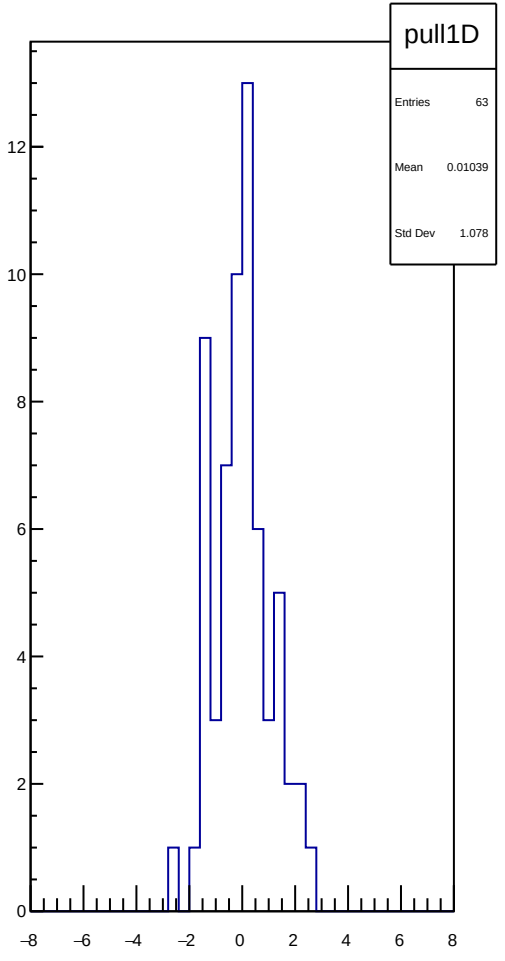
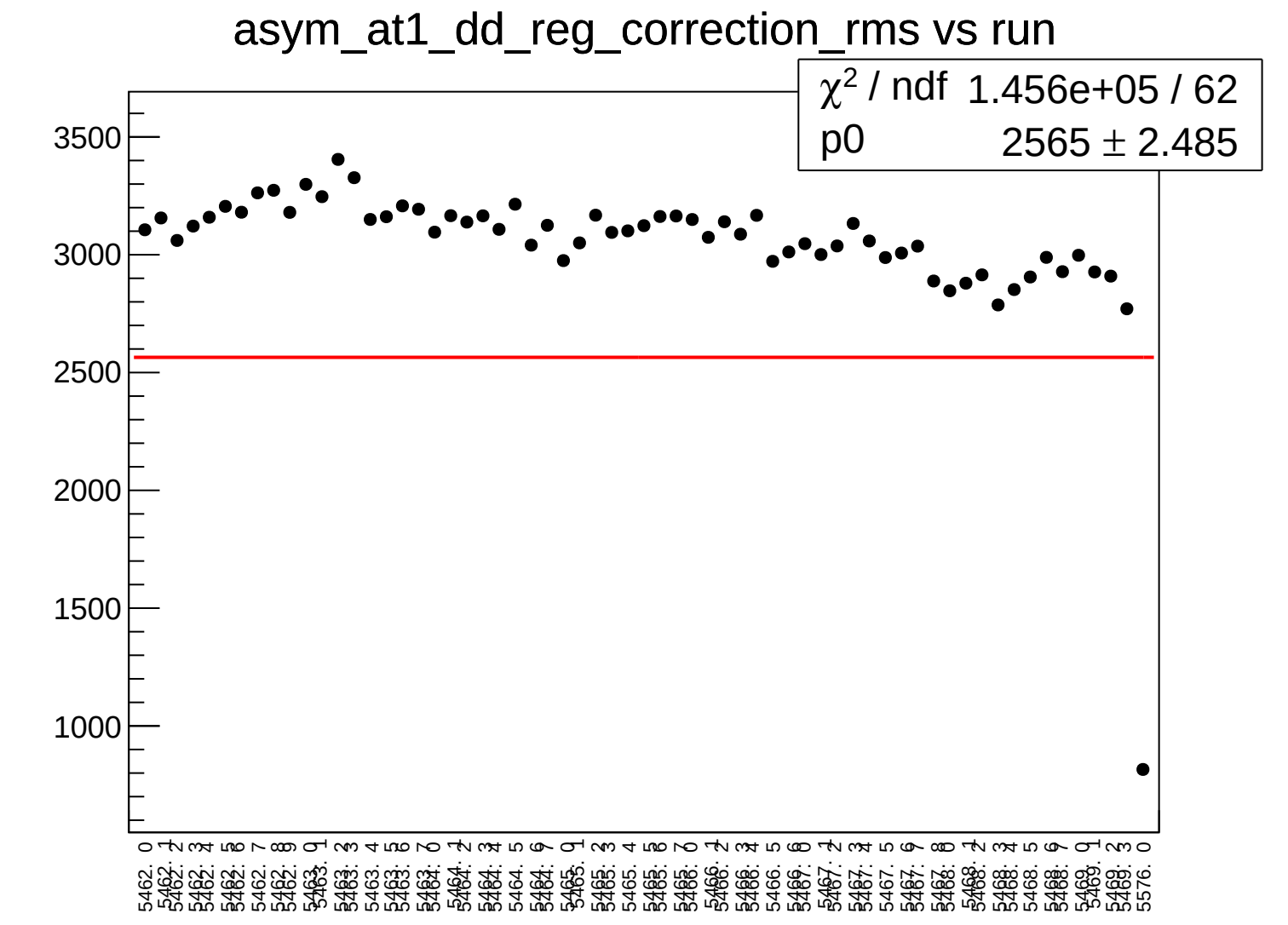
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_at1_dd_reg_correction_mean vs run
×10^3
χ² / ndf 73.25 / 62
p0 947.4 ± 3514
100
50
0
−50
−100
pull
Entries 63
Mean −194.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01039
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_correction_rms vs run
χ² / ndf 1.456e+05 / 62
p0 2565 ± 2.485
3500
3000
2500
2000
1500
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
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5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
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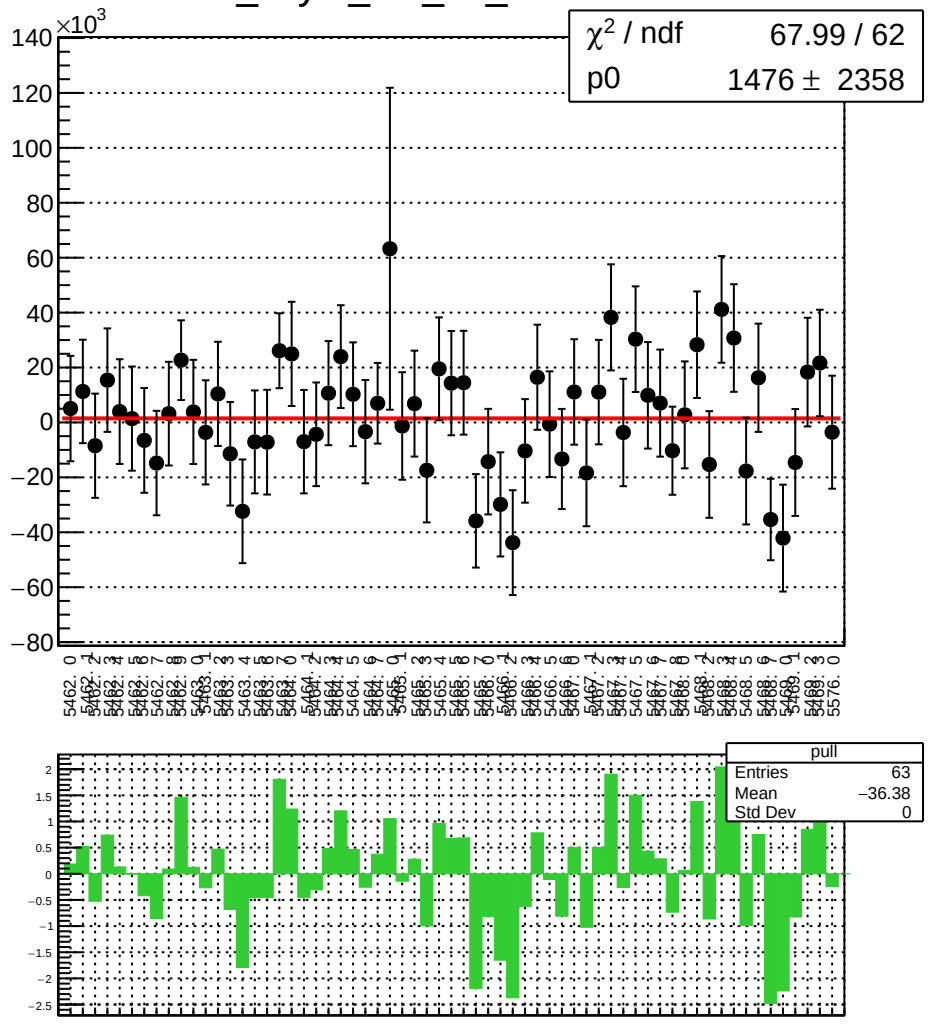
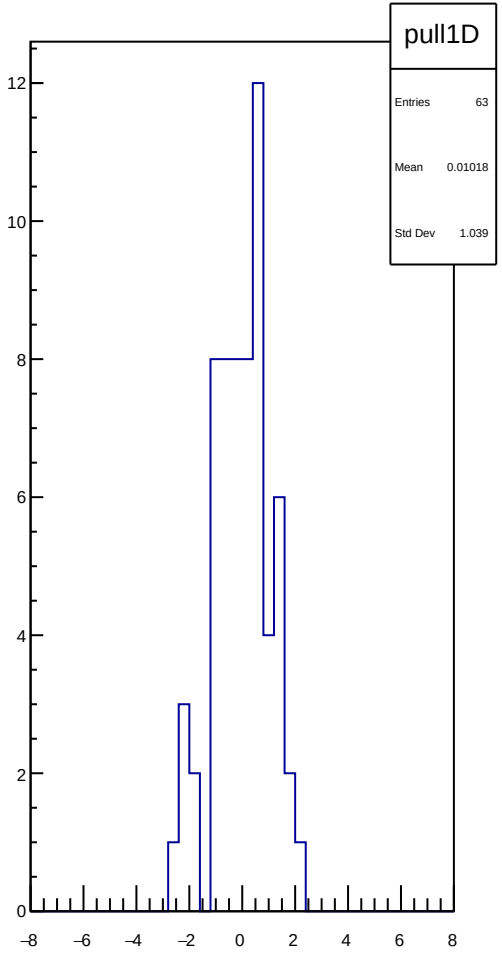
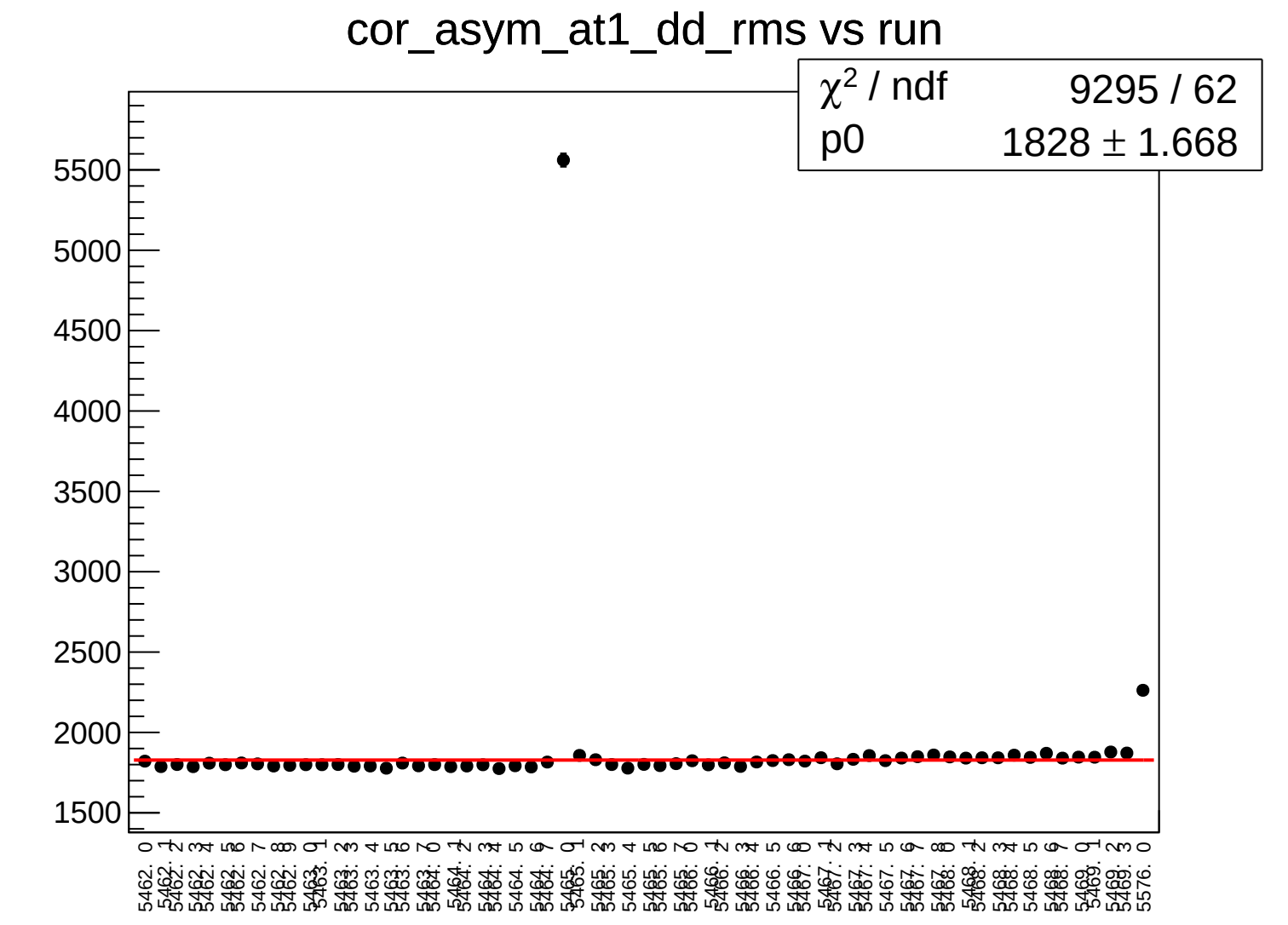
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


cor_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 67.99 / 62
p0 1476 ± 2358
pull
Entries 63
Mean −36.38
Std Dev 0


pull1D
Entries 63
Mean 0.01018
Std Dev 1.039


cor_asym_at1_dd_rms vs run
χ^2 / ndf 9295 / 62
p0 1828 ± 1.668
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
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5464. 3
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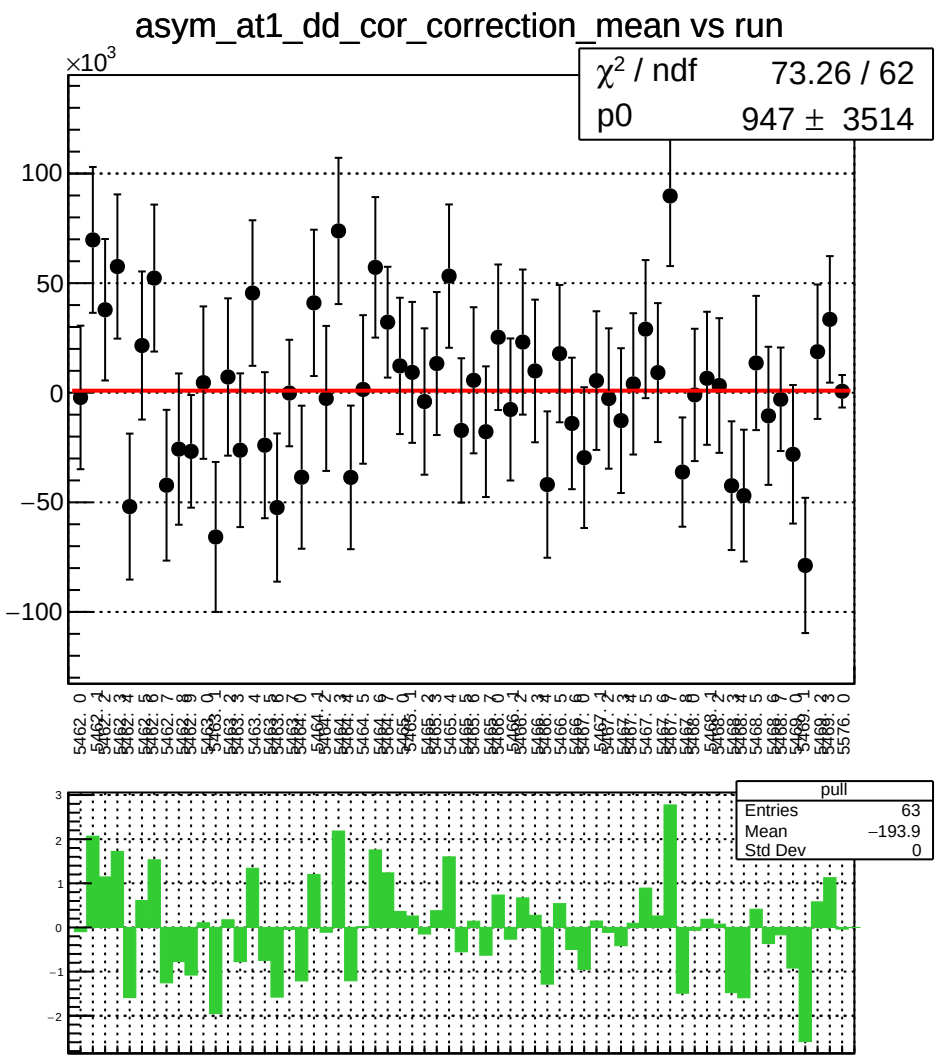
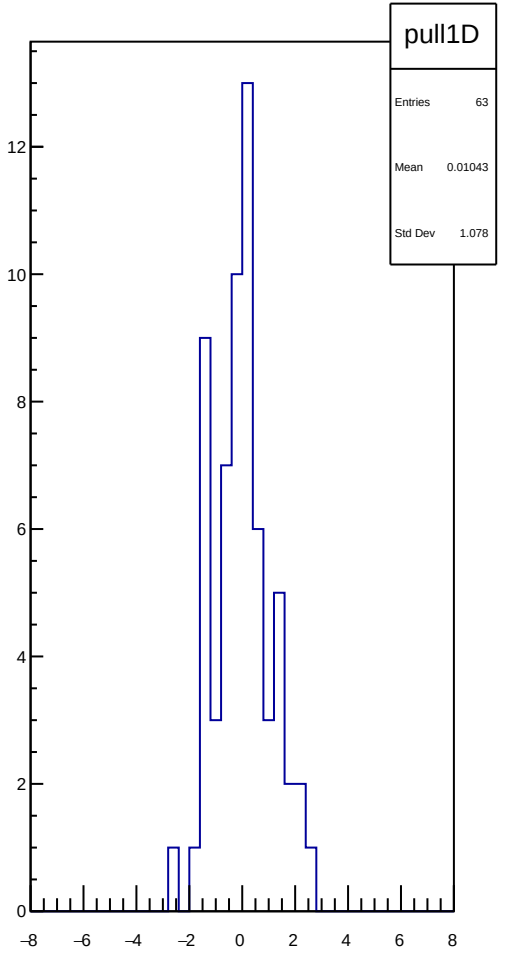
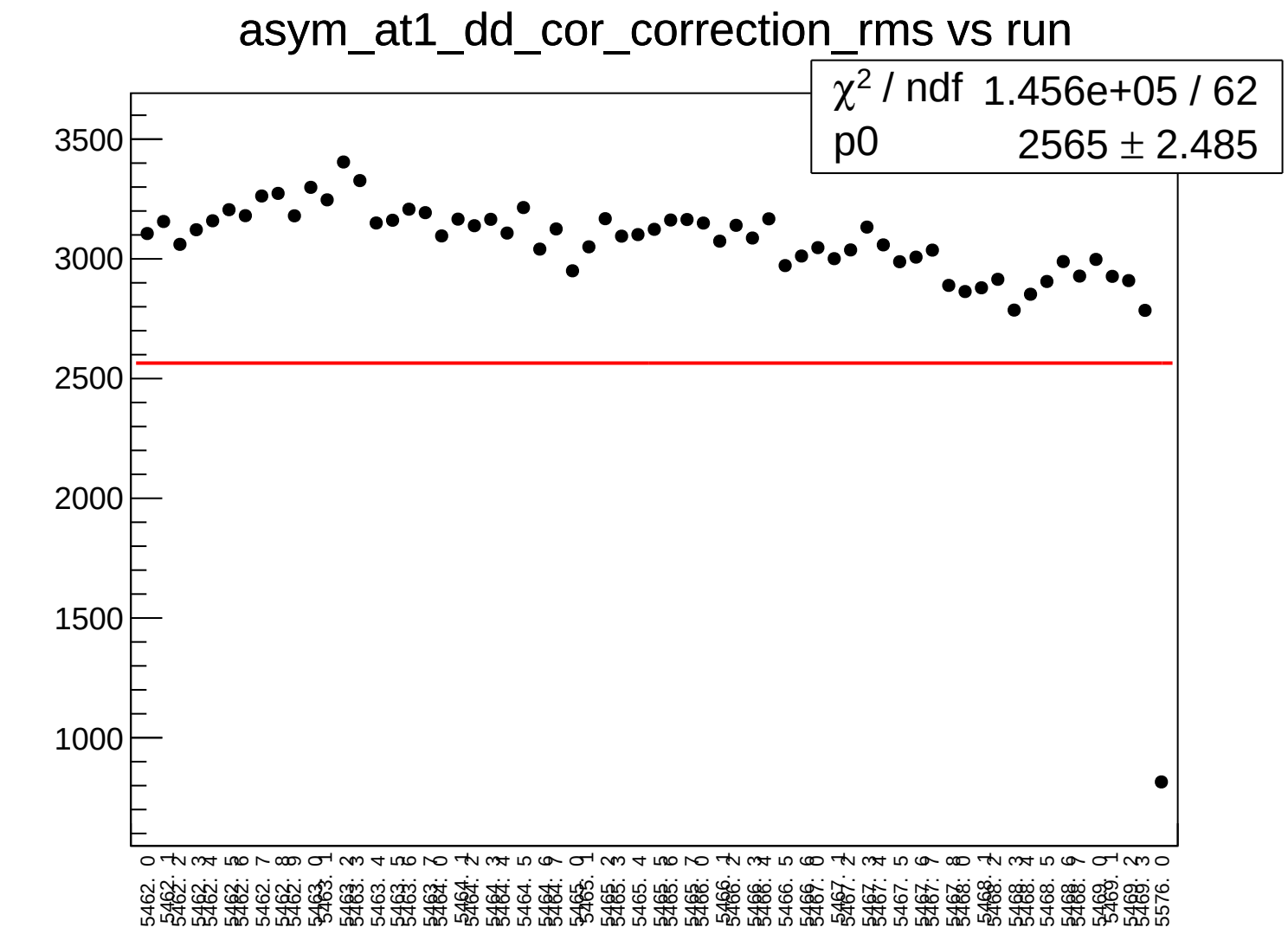
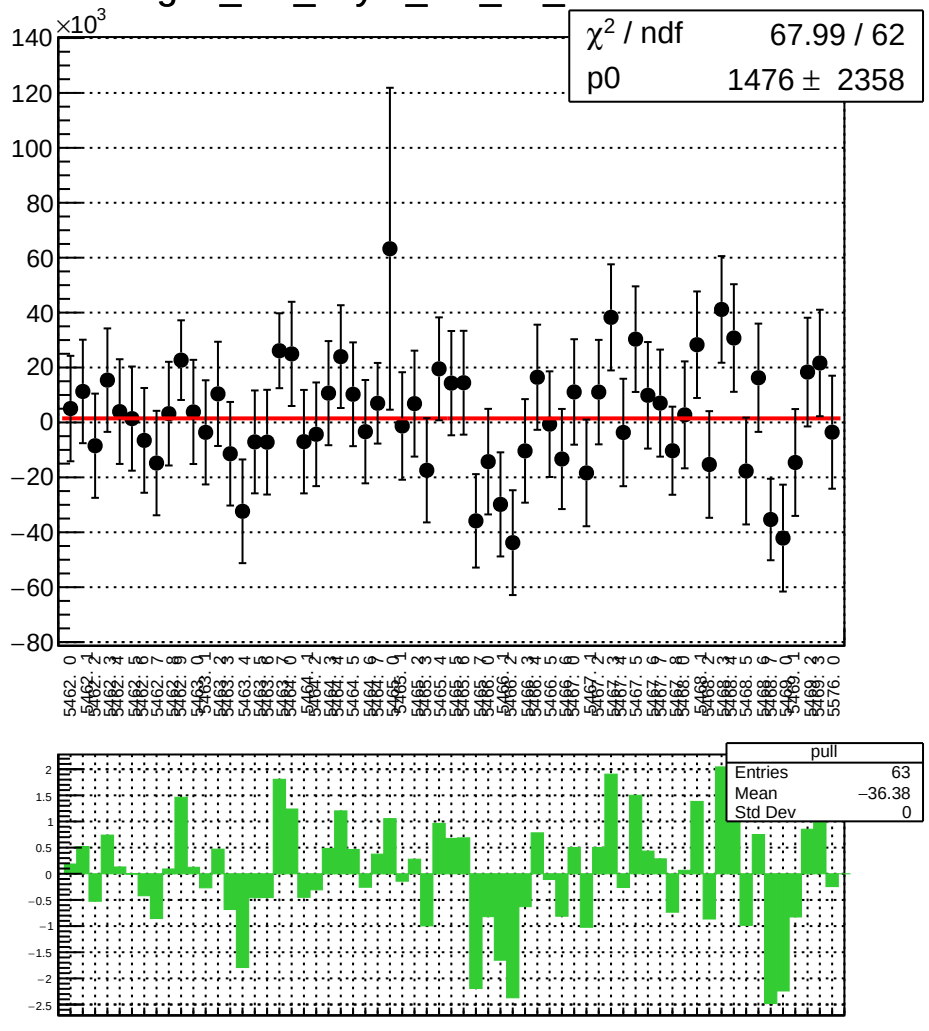
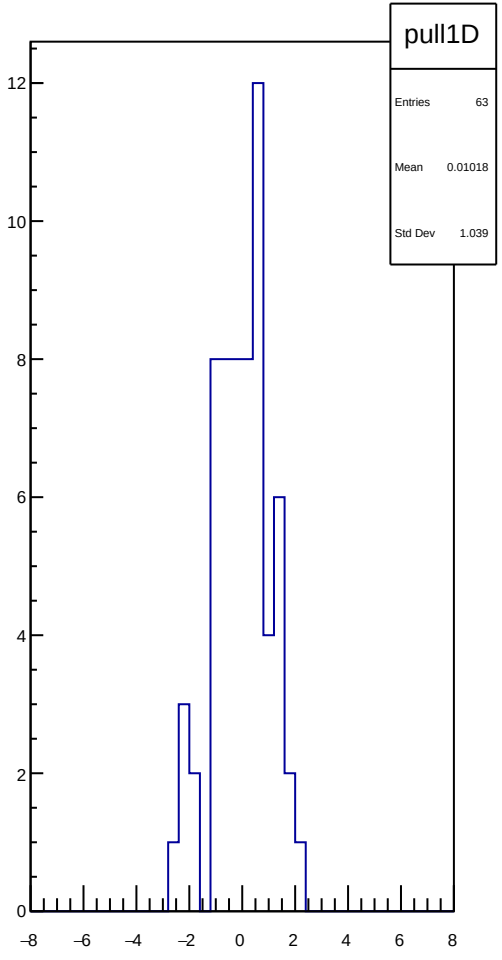
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

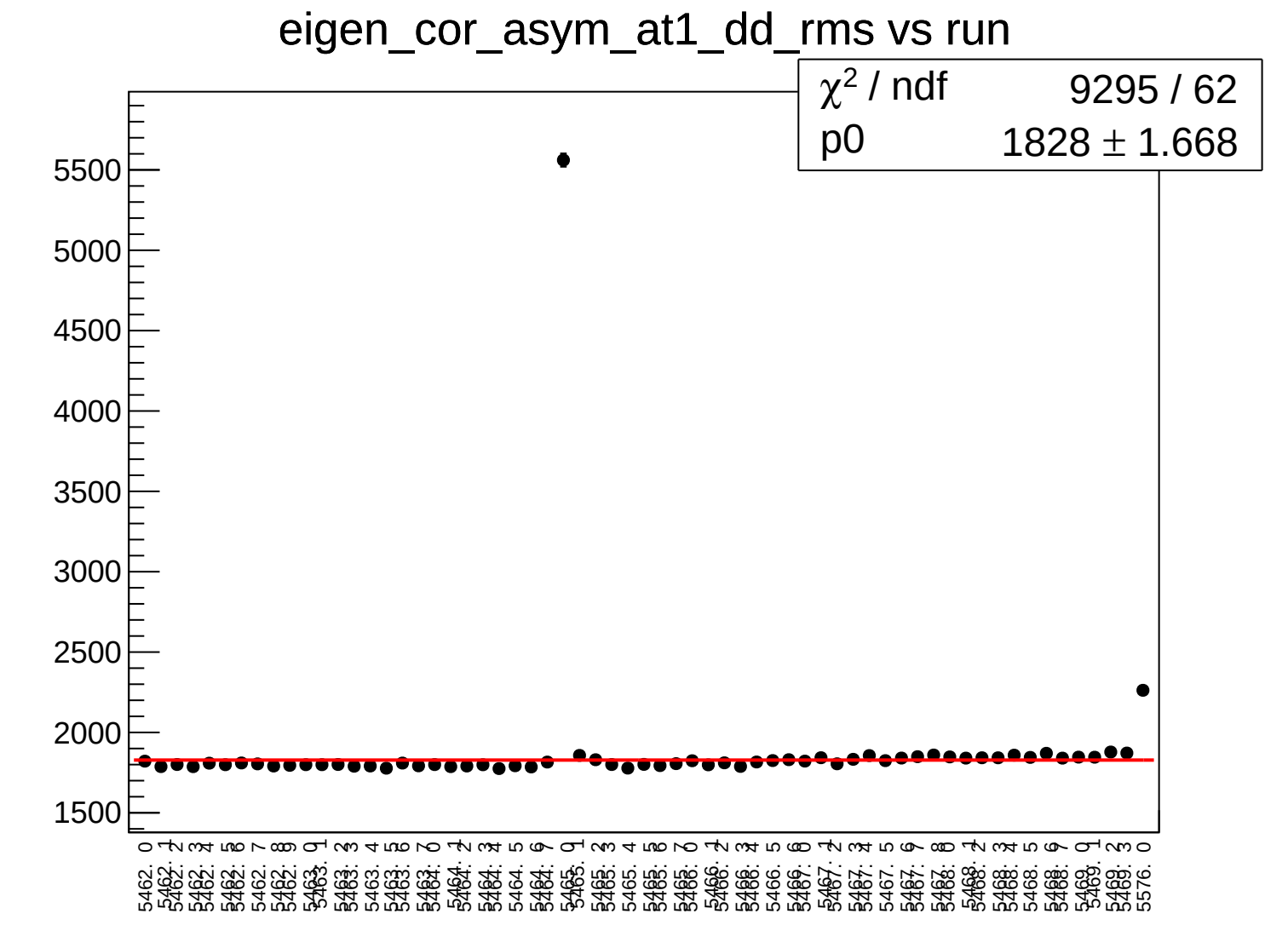

asym_at1_dd_cor_correction_mean vs run
×10^3
χ² / ndf 73.26 / 62
p0 947 ± 3514
100
50
0
−50
−100
pull
Entries 63
Mean −193.9
Std Dev 0
3
2
1
0
−1
−2

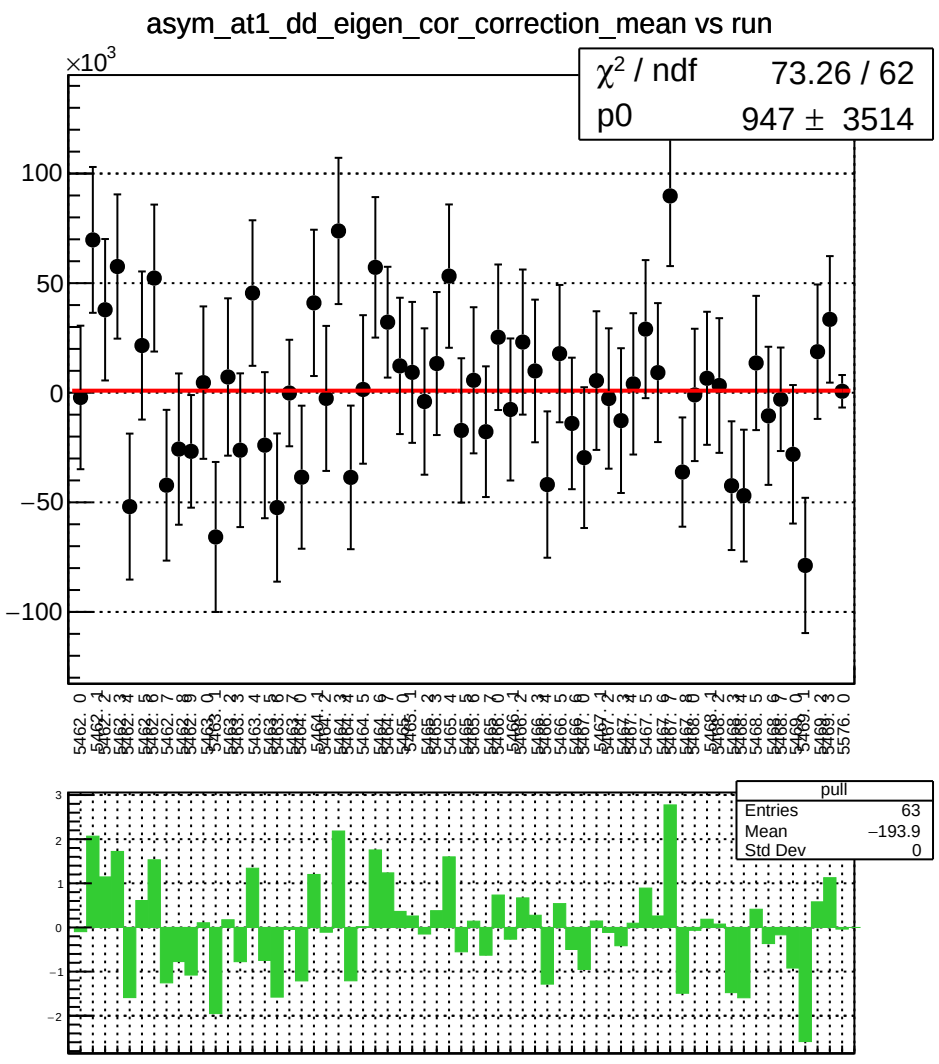

pull1D
Entries 63
Mean 0.01043
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

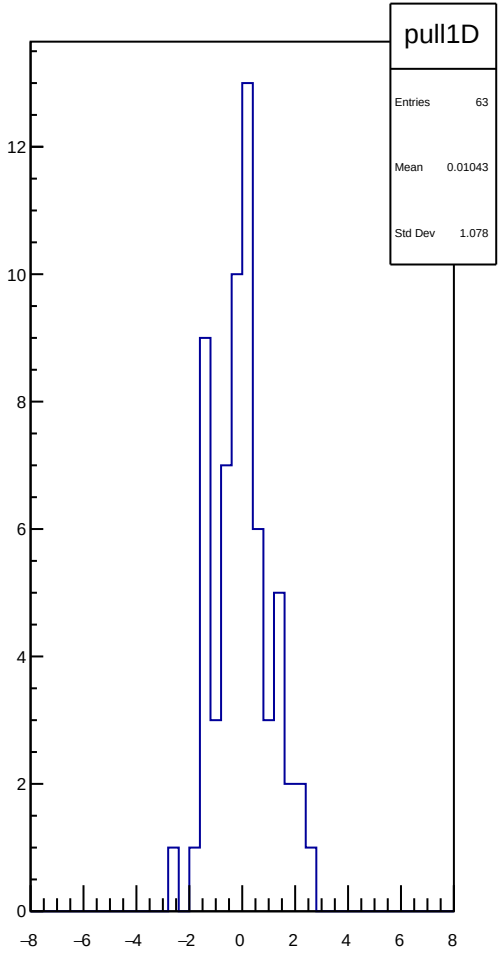

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 1.456e+05 / 62
p0 2565 ± 2.485
3500
3000
2500
2000
1500
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

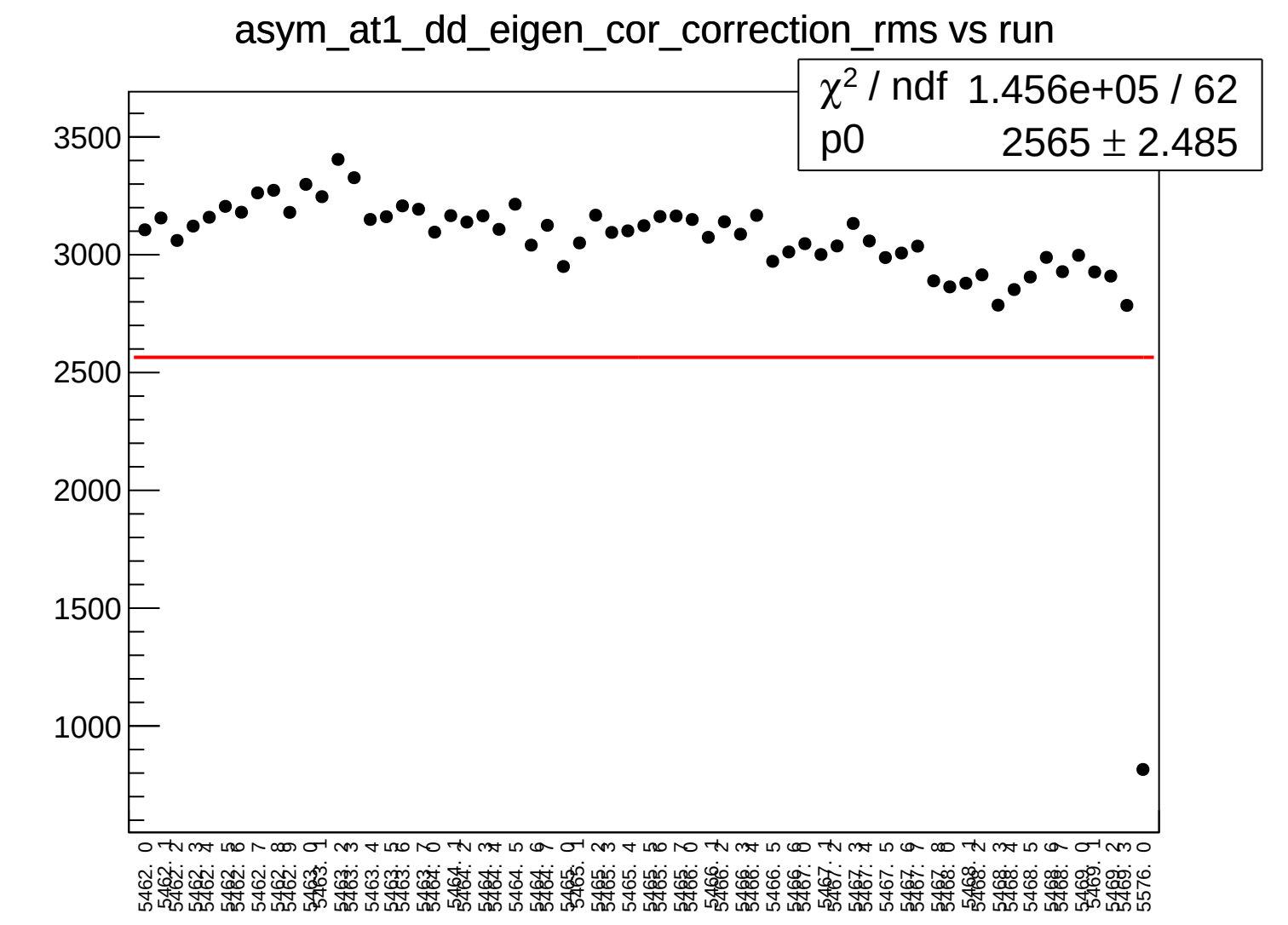

eigen_cor_asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.99 / 62
p0 1476 ± 2358
pull
Entries 63
Mean −36.38
Std Dev 0

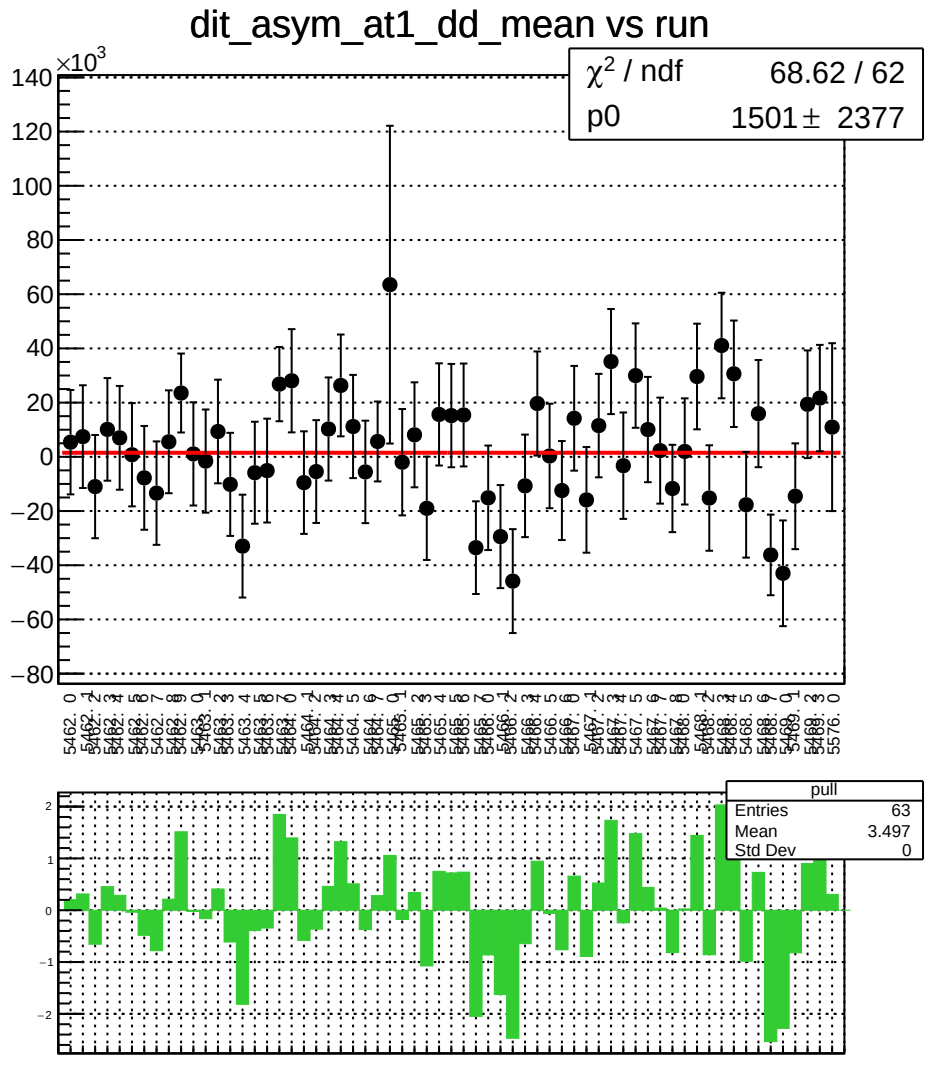

pull1D
Entries 63
Mean 0.01018
Std Dev 1.039

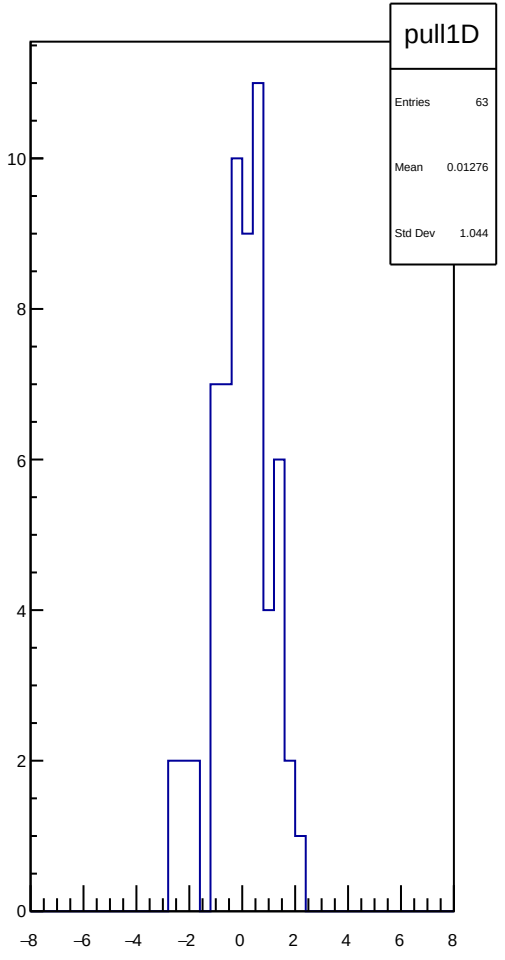

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 9295 / 62
p0 1828 ± 1.668
5500
5000
4500
4000
3500
3000
2500
2000
1500

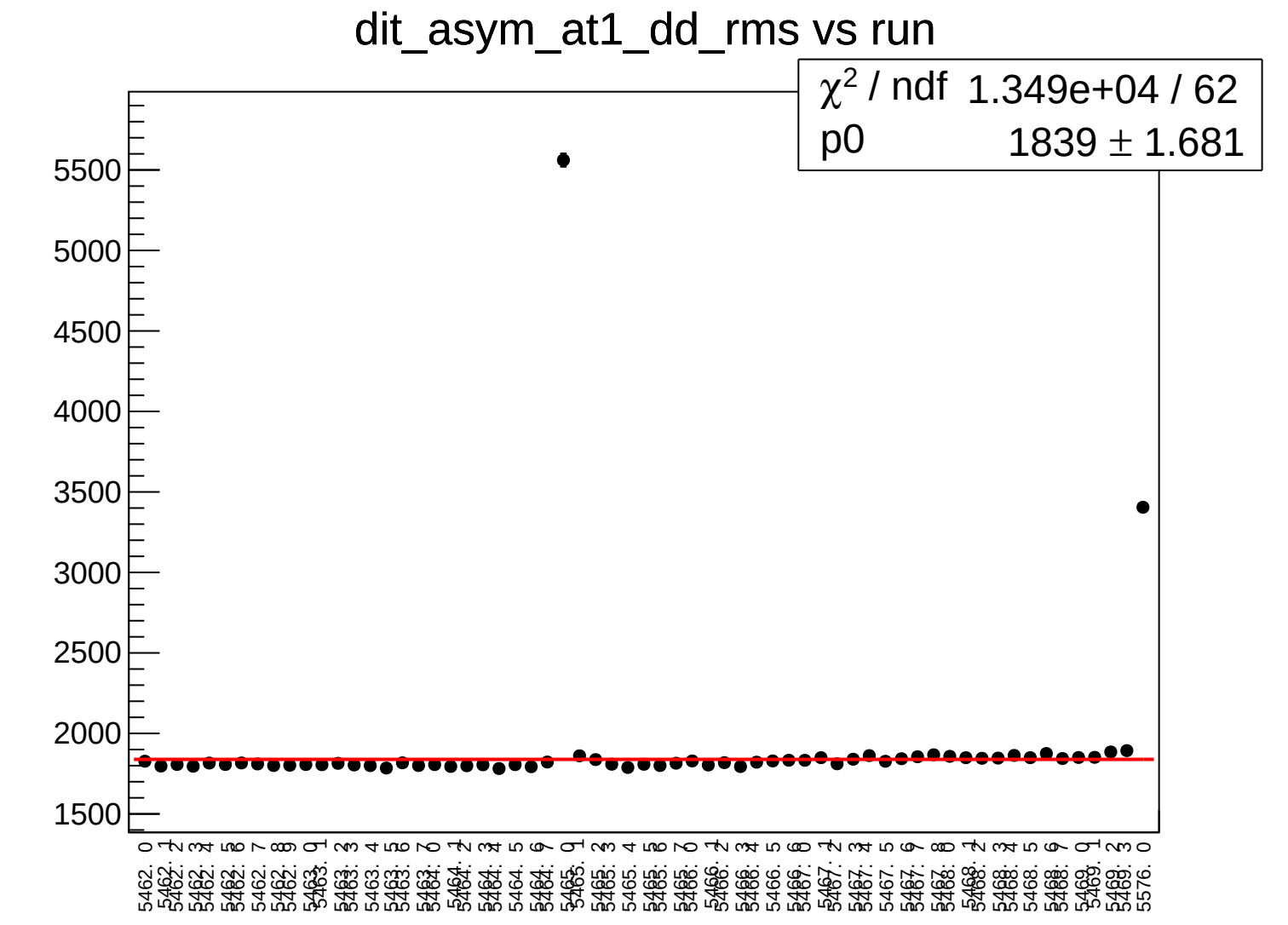

asym_at1_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 73.26 / 62
p0 947 ± 3514
100
50
0
−50
−100
pull
Entries 63
Mean −193.9
Std Dev 0
3
2
1
0
−1
−2

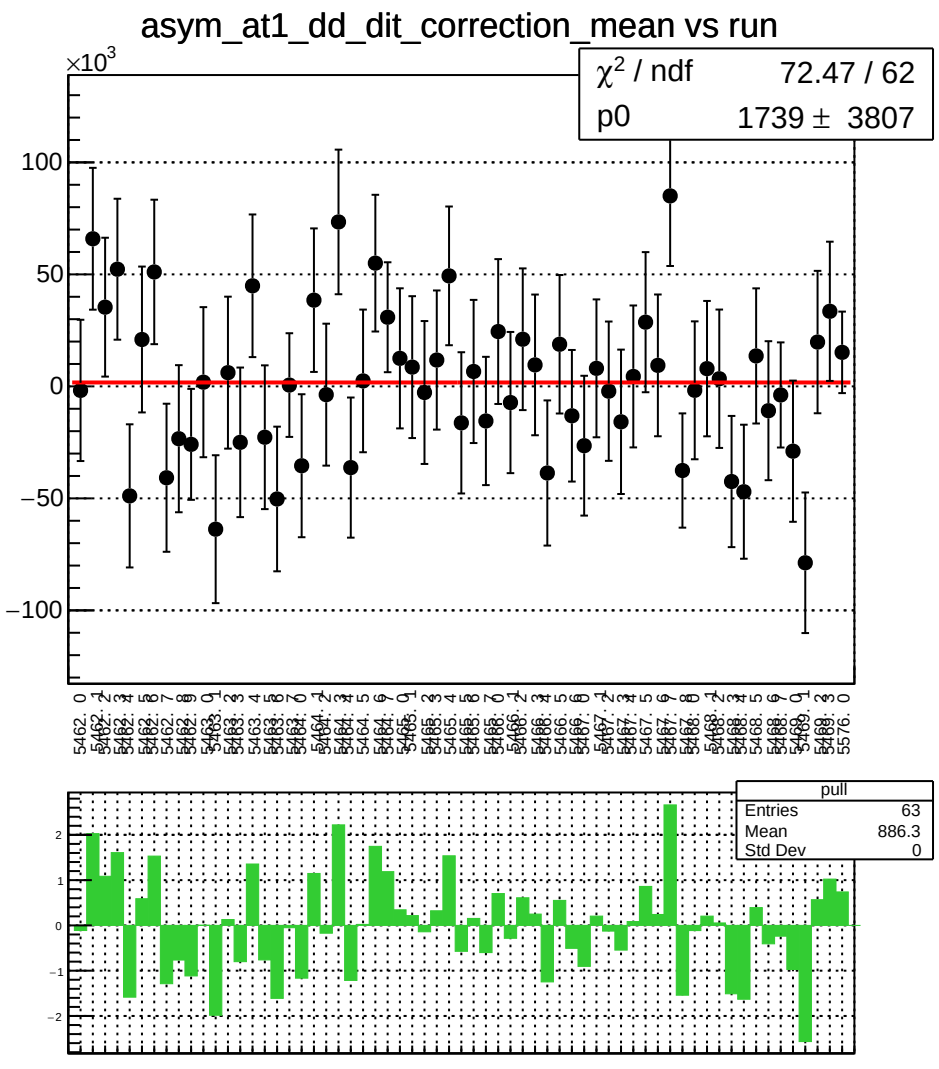

pull1D
Entries 63
Mean 0.01043
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

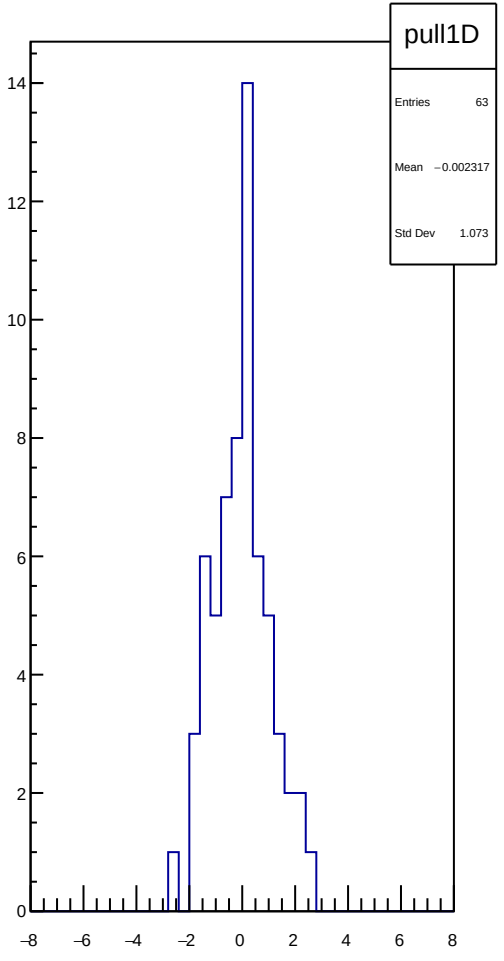

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.456e+05 / 62
p0 2565 ± 2.485
3500
3000
2500
2000
1500
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

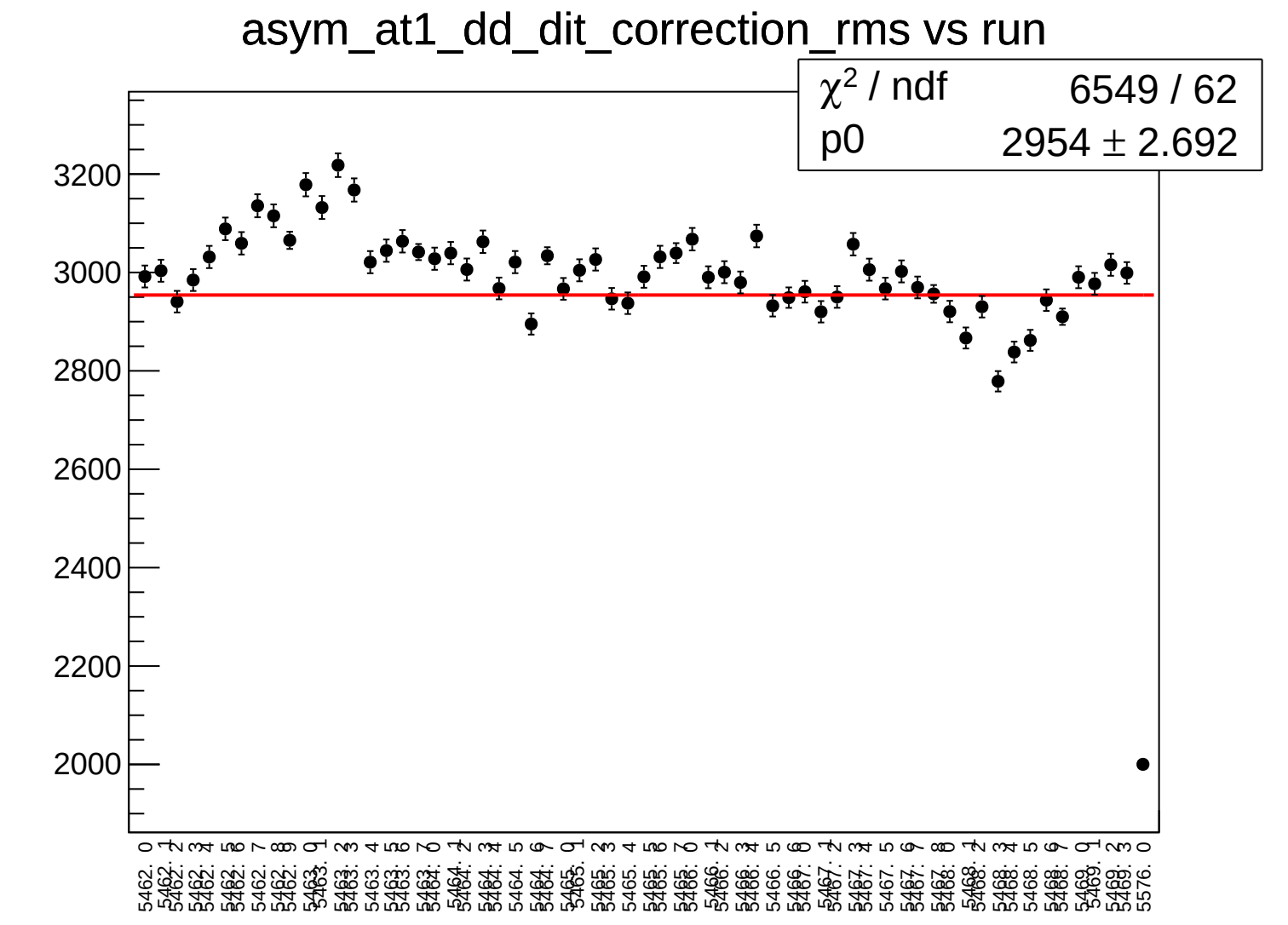

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 68.62 / 62
p0 1501 ± 2377
pull
Entries 63
Mean 3.497
Std Dev 0

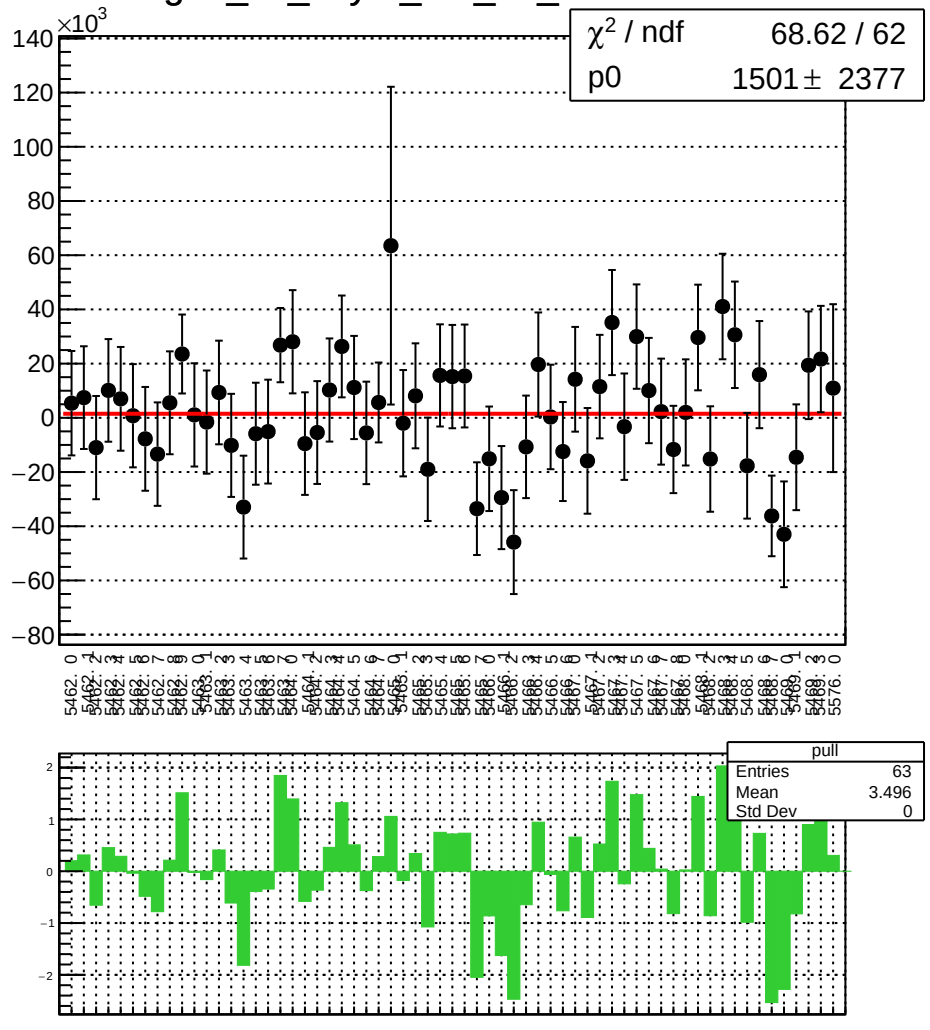

pull1D
Entries 63
Mean 0.01276
Std Dev 1.044

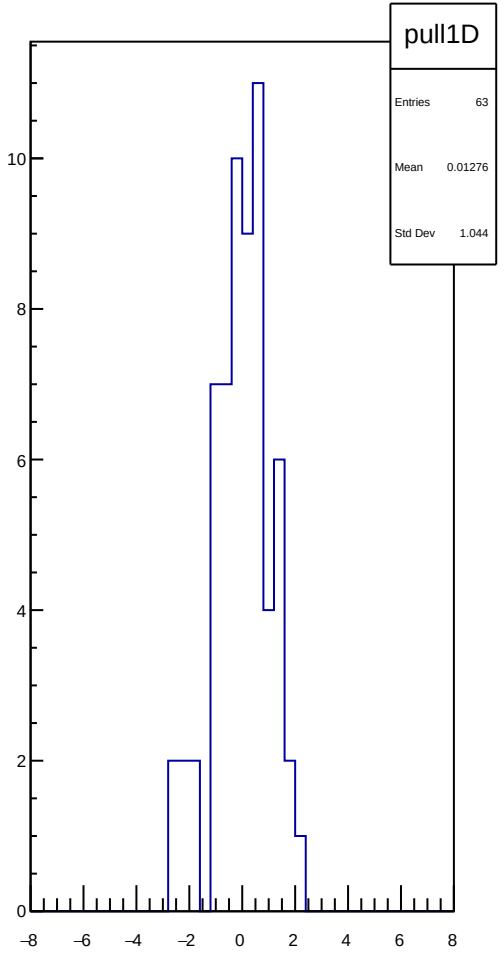

dit_asym_at1_dd_rms vs run
χ² / ndf 1.349e+04 / 62
p0 1839 ± 1.681
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

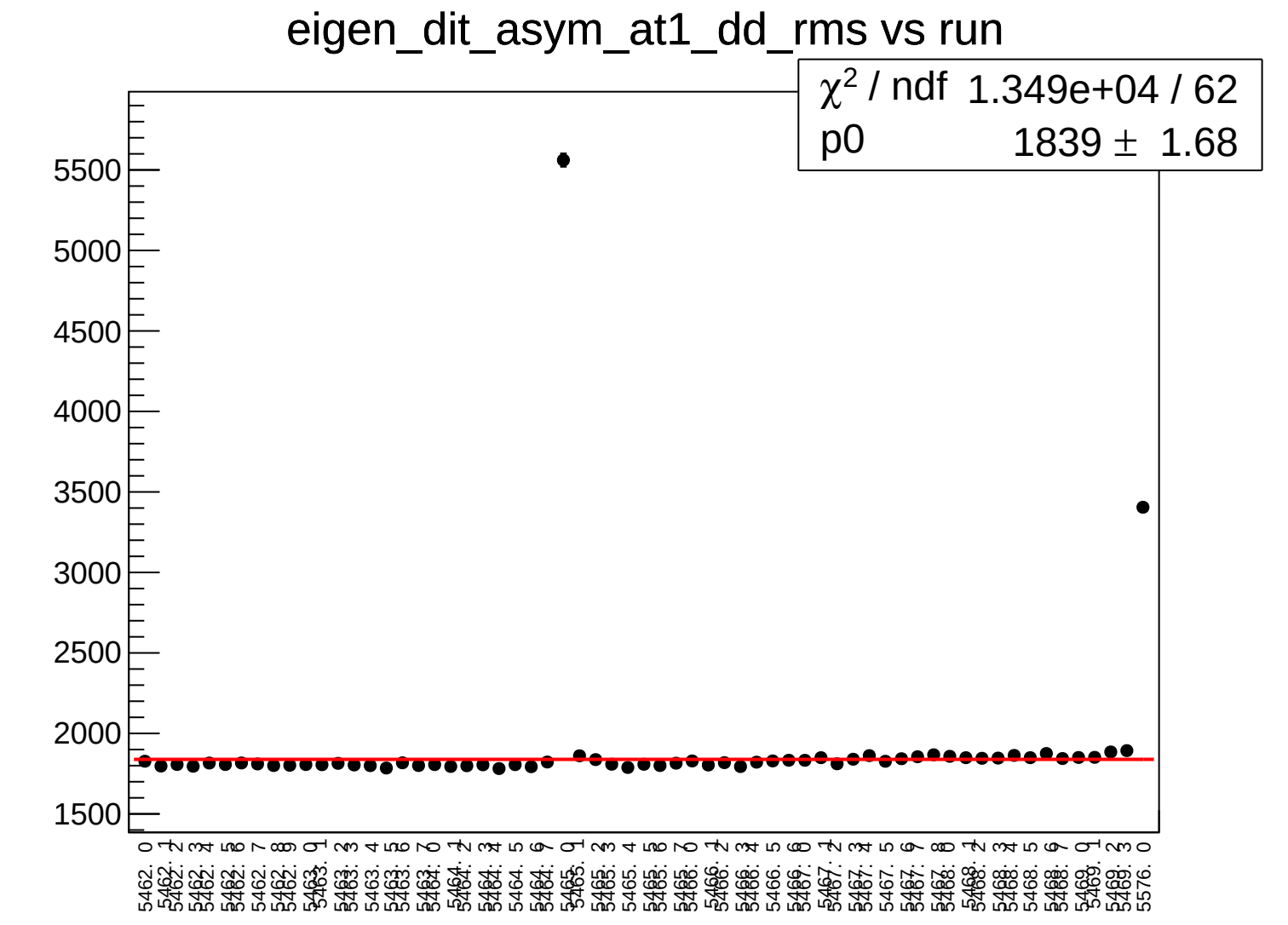

asym_at1_dd_dit_correction_mean vs run
×10^3
χ² / ndf 72.47 / 62
p0 1739 ± 3807
100
50
0
−50
−100
pull
Entries 63
Mean 886.3
Std Dev 0
2
1
0
−1
−2

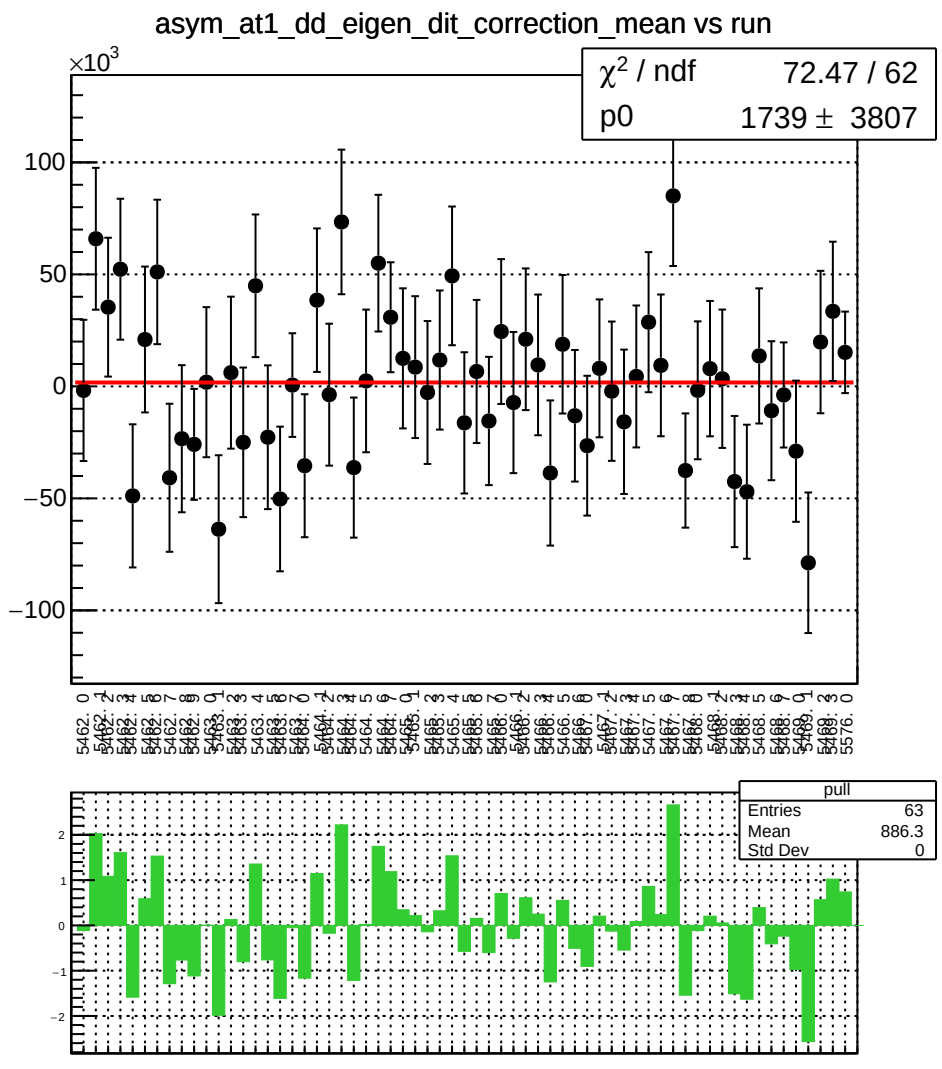

pull1D
Entries 63
Mean −0.002317
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

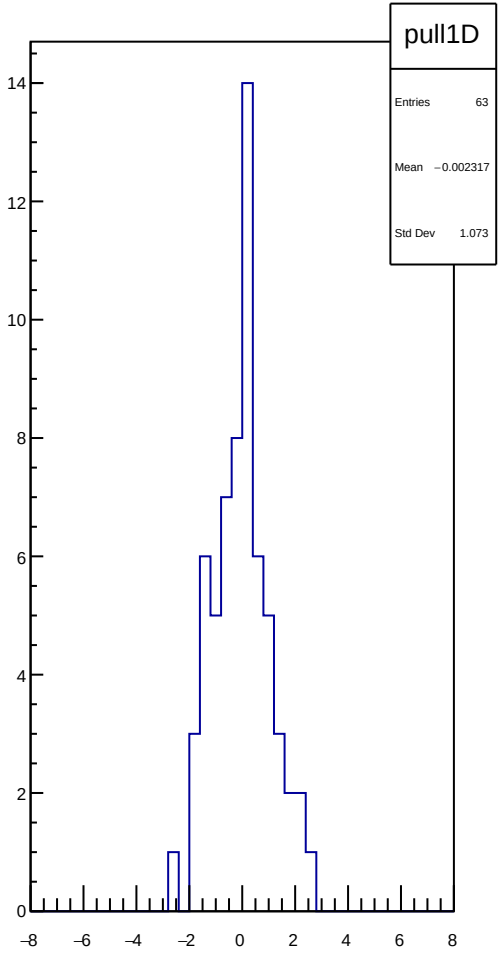

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 6549 / 62
p0 2954 ± 2.692
3200
3000
2800
2600
2400
2200
2000

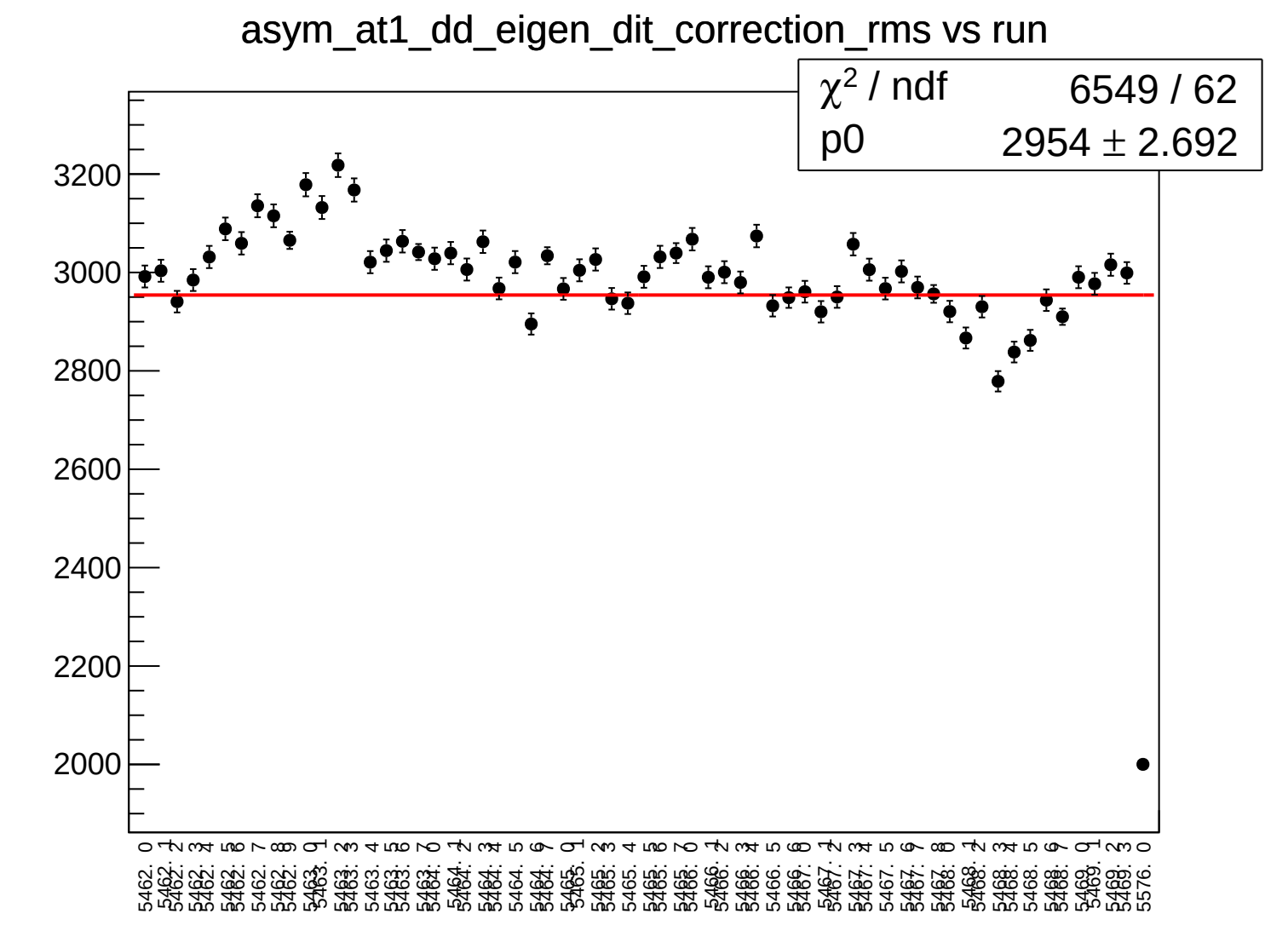

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 68.62 / 62
p0 1501 ± 2377
pull
Entries 63
Mean 3.496
Std Dev 0

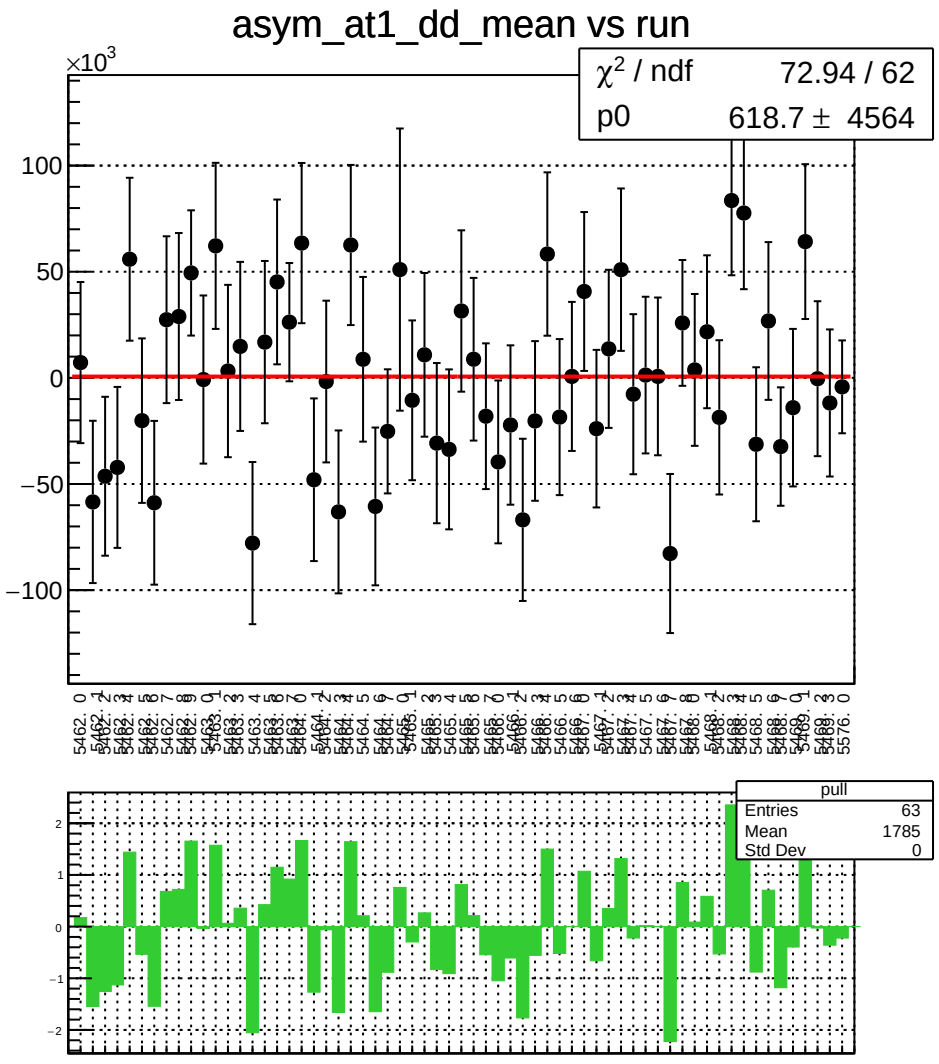

pull1D
Entries 63
Mean 0.01276
Std Dev 1.044

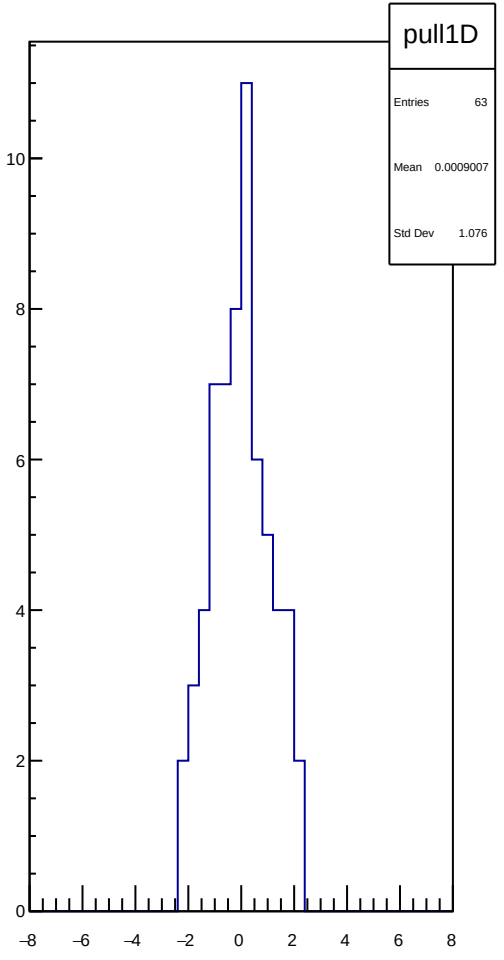

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 1.349e+04 / 62
p0 1839 ± 1.68
5500
5000
4500
4000
3500
3000
2500
2000
1500

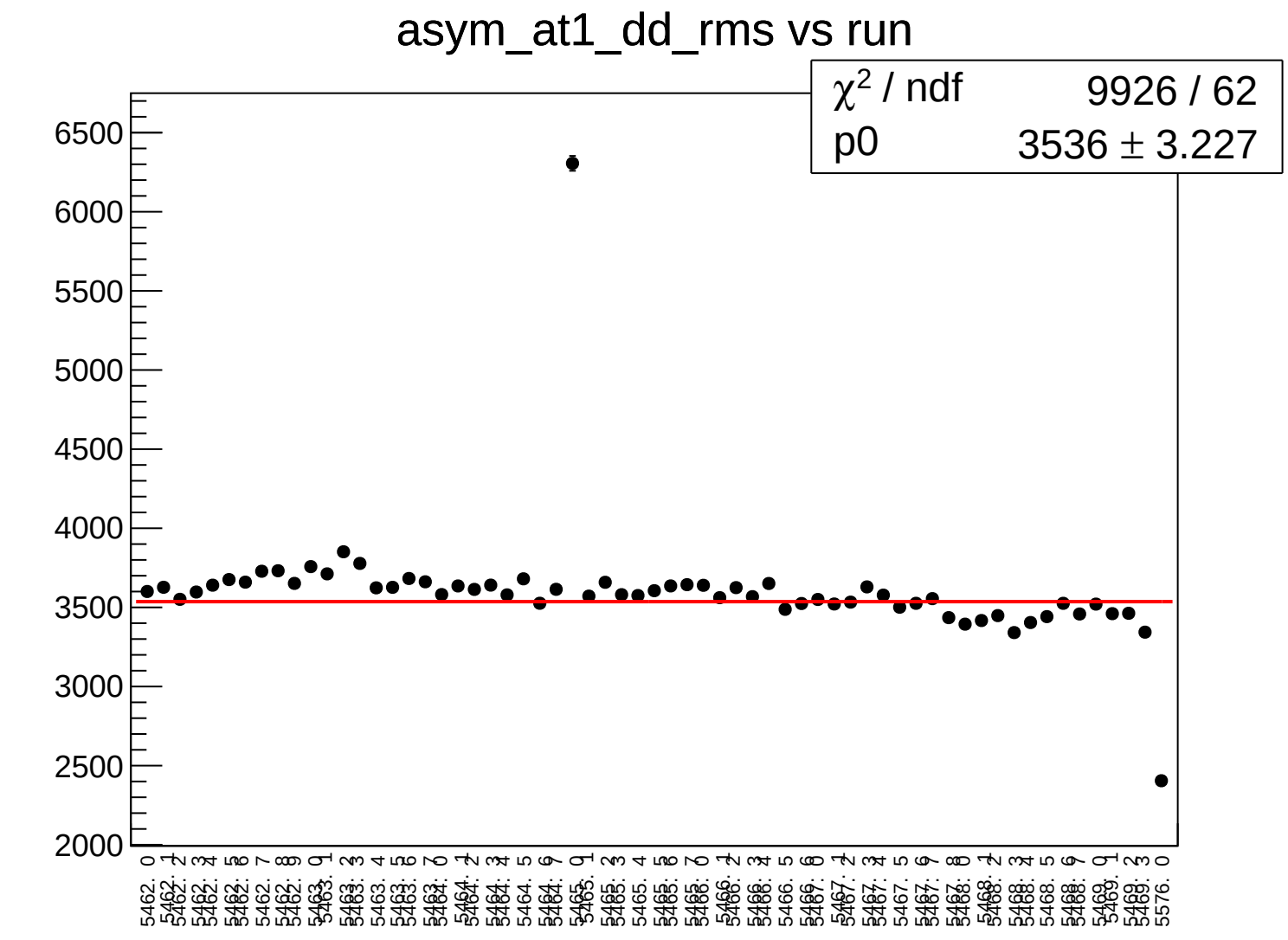

asym_at1_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 72.47 / 62
p0 1739 ± 3807
100
50
0
−50
−100
pull
Entries 63
Mean 886.3
Std Dev 0
2
1
0
−1
−2

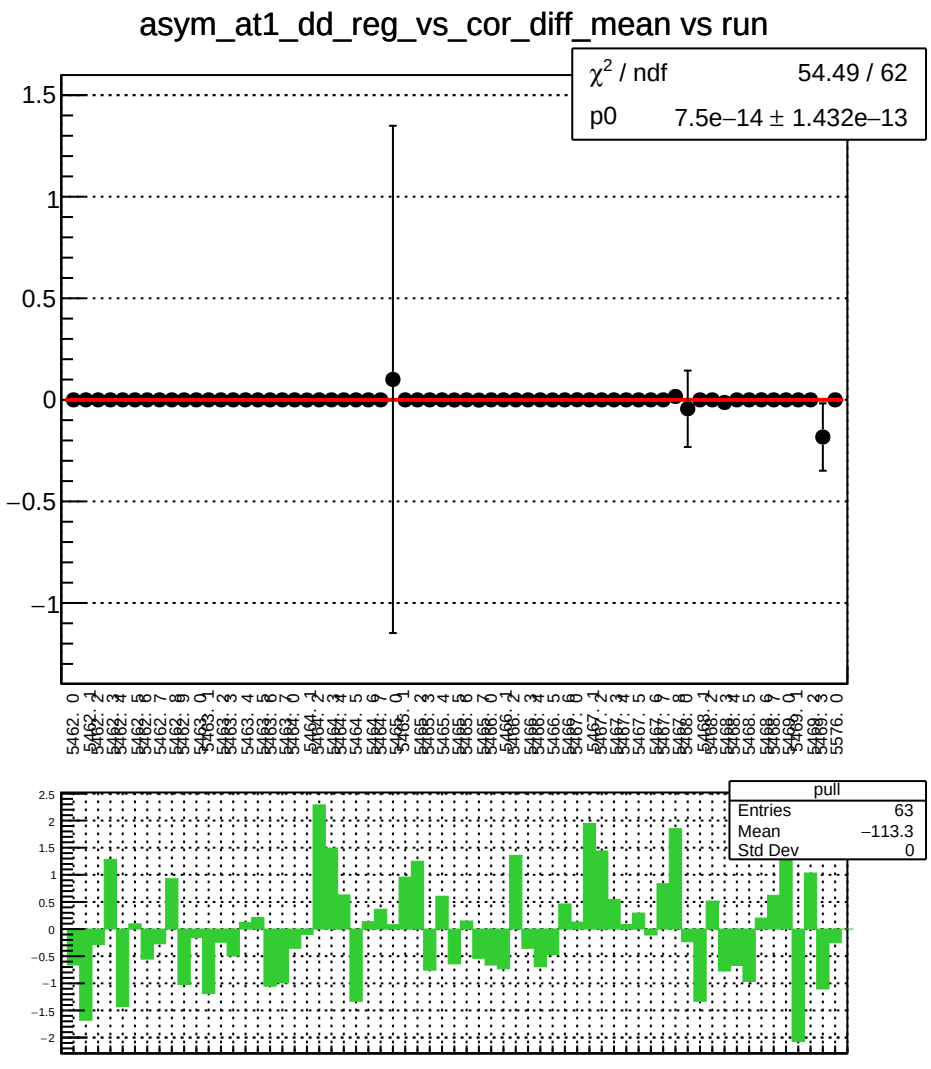

pull1D
Entries 63
Mean −0.002317
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

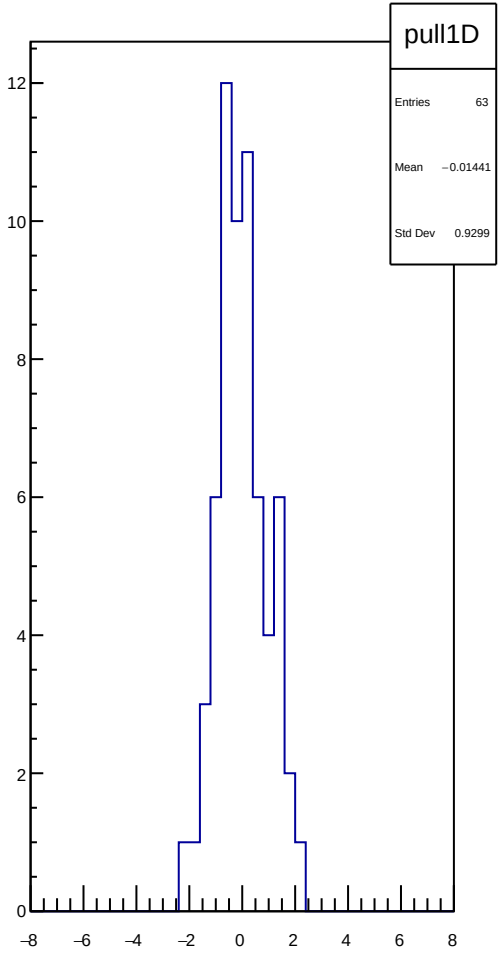

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6549 / 62
p0 2954 ± 2.692
3200
3000
2800
2600
2400
2200
2000

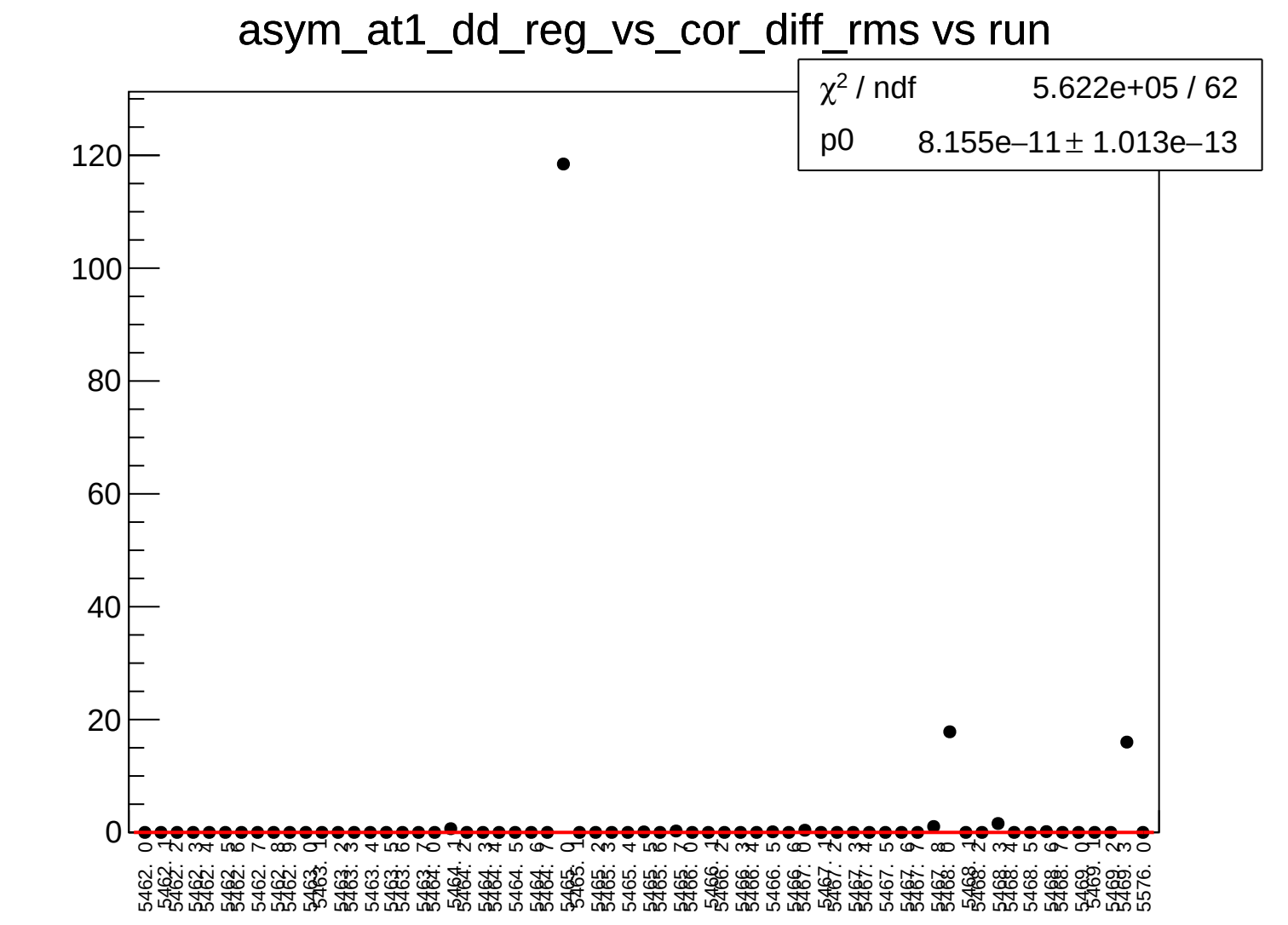

asym_at1_dd_mean vs run
×10^3
χ² / ndf 72.94 / 62
p0 618.7 ± 4564
100
50
0
−50
−100
pull
Entries 63
Mean 1785
Std Dev 0
2
1
0
−1
−2

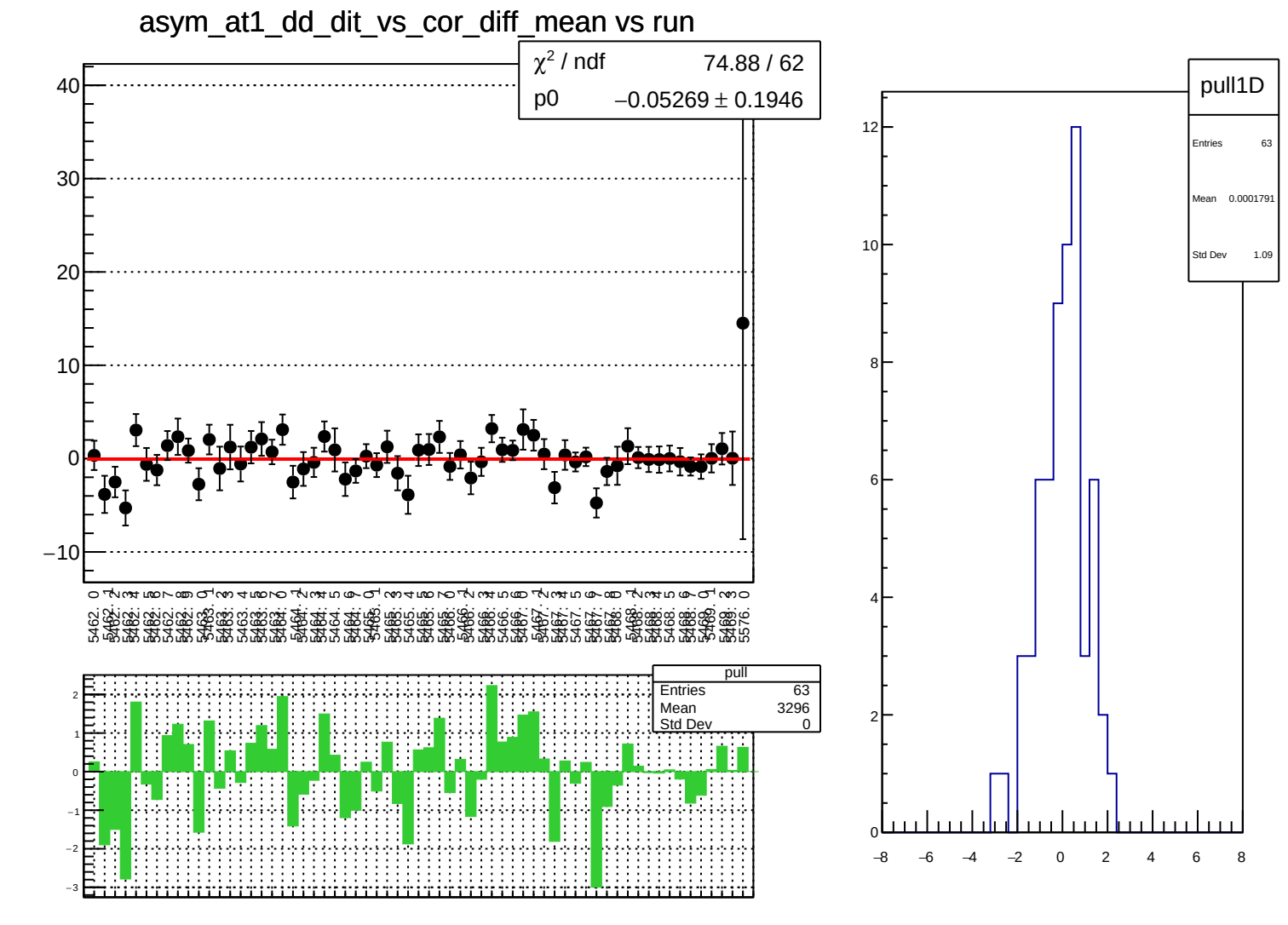

pull1D
Entries 63
Mean 0.0009007
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

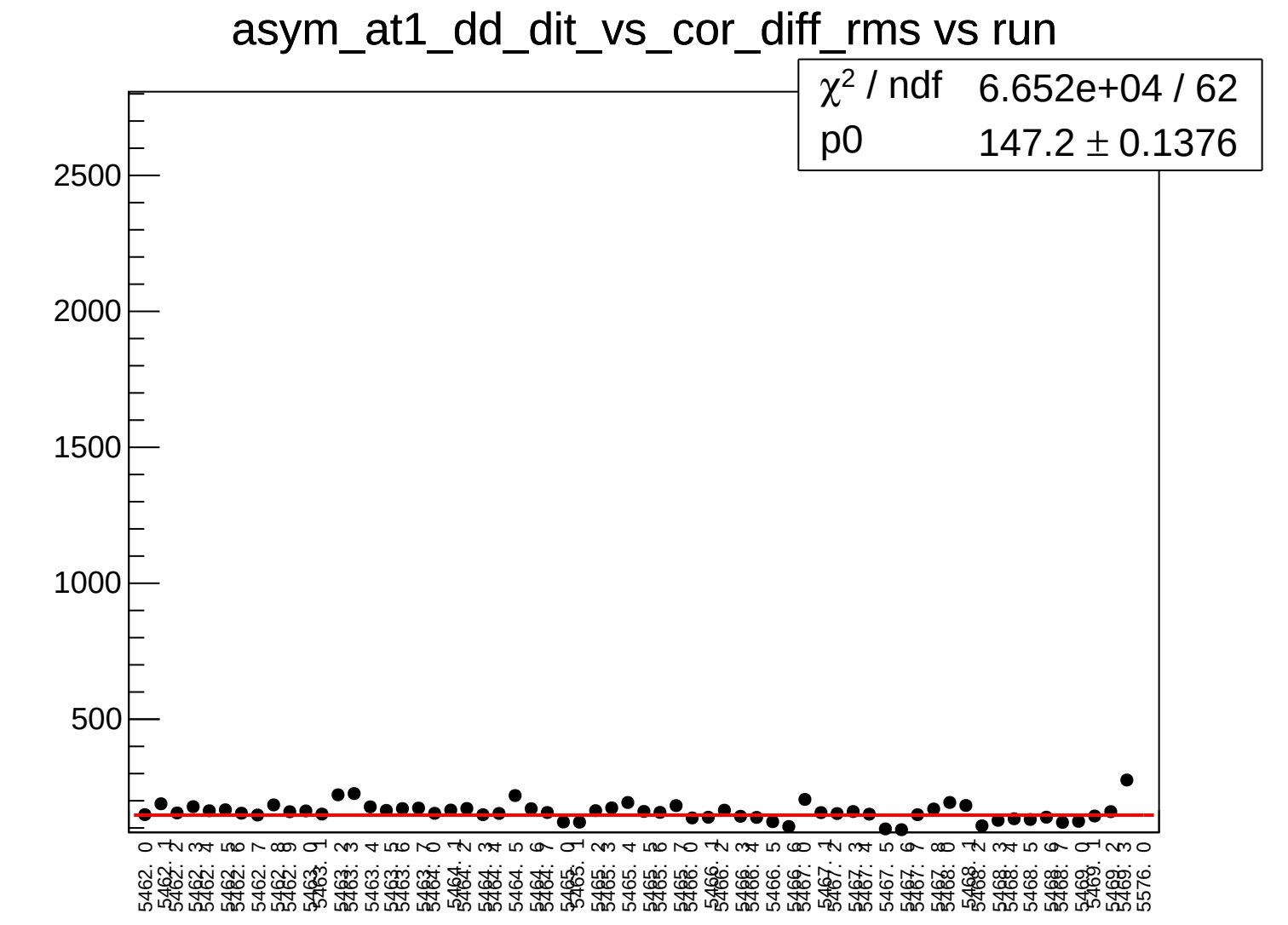

asym_at1_dd_rms vs run
χ² / ndf 9926 / 62
p0 3536 ± 3.227
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000

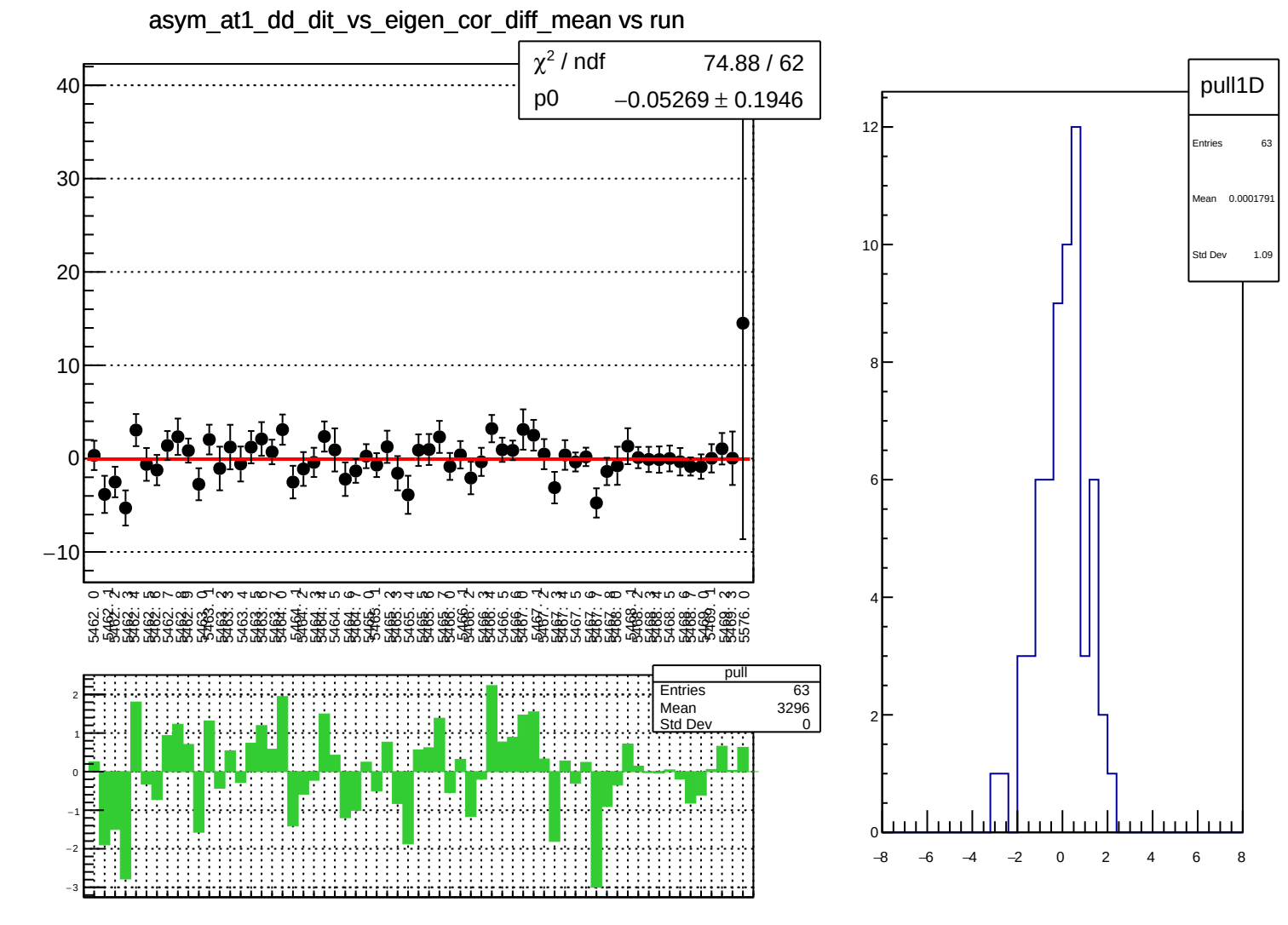

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.49 / 62
p0 7.5e−14 ± 1.432e−13
pull
Entries 63
Mean −113.3
Std Dev 0

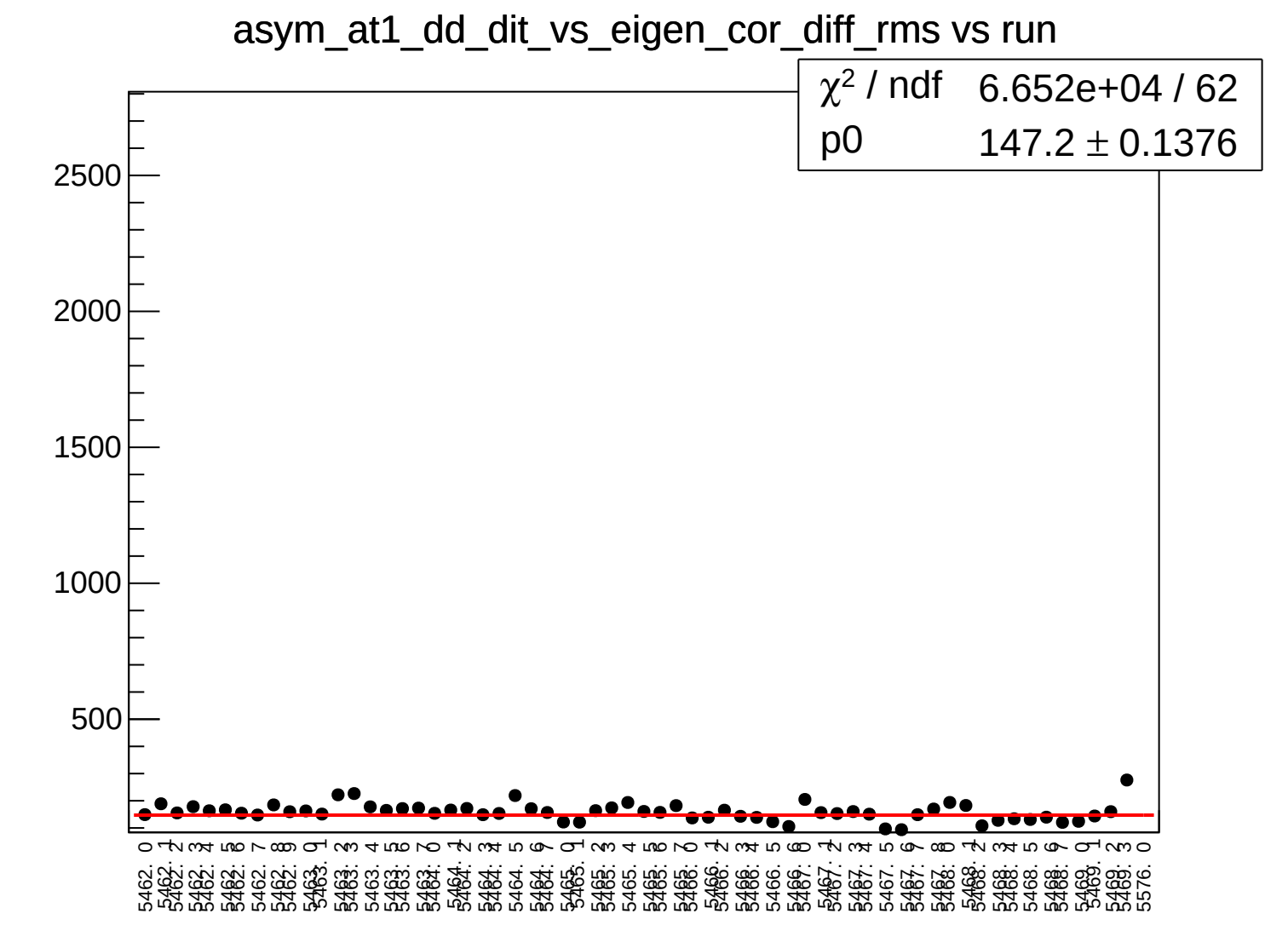

pull1D
Entries 63
Mean −0.01441
Std Dev 0.9299

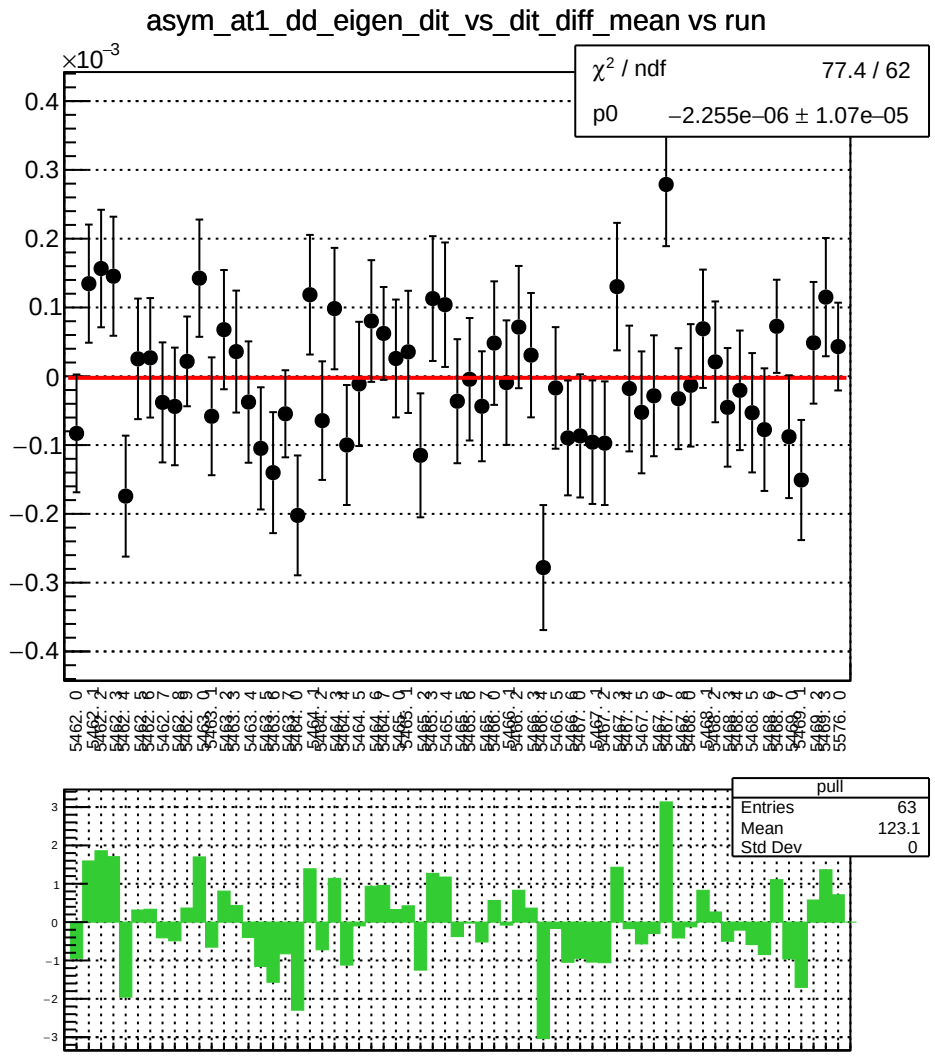

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.622e+05 / 62
p0 8.155e−11 ± 1.013e−13
120
100
80
60
40
20
0

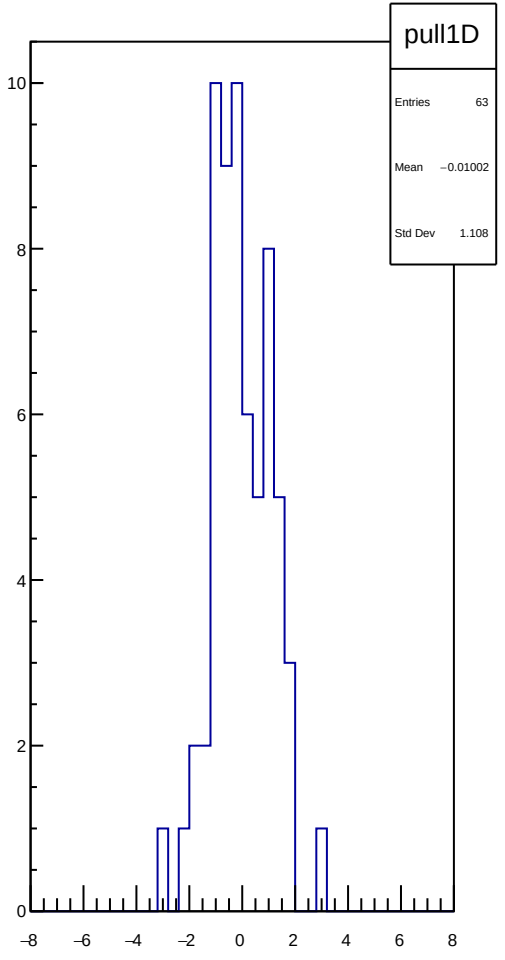

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.88 / 62
p0 −0.05269 ± 0.1946
pull
Entries 63
Mean 3296
Std Dev 0
pull1D
Entries 63
Mean 0.0001791
Std Dev 1.09

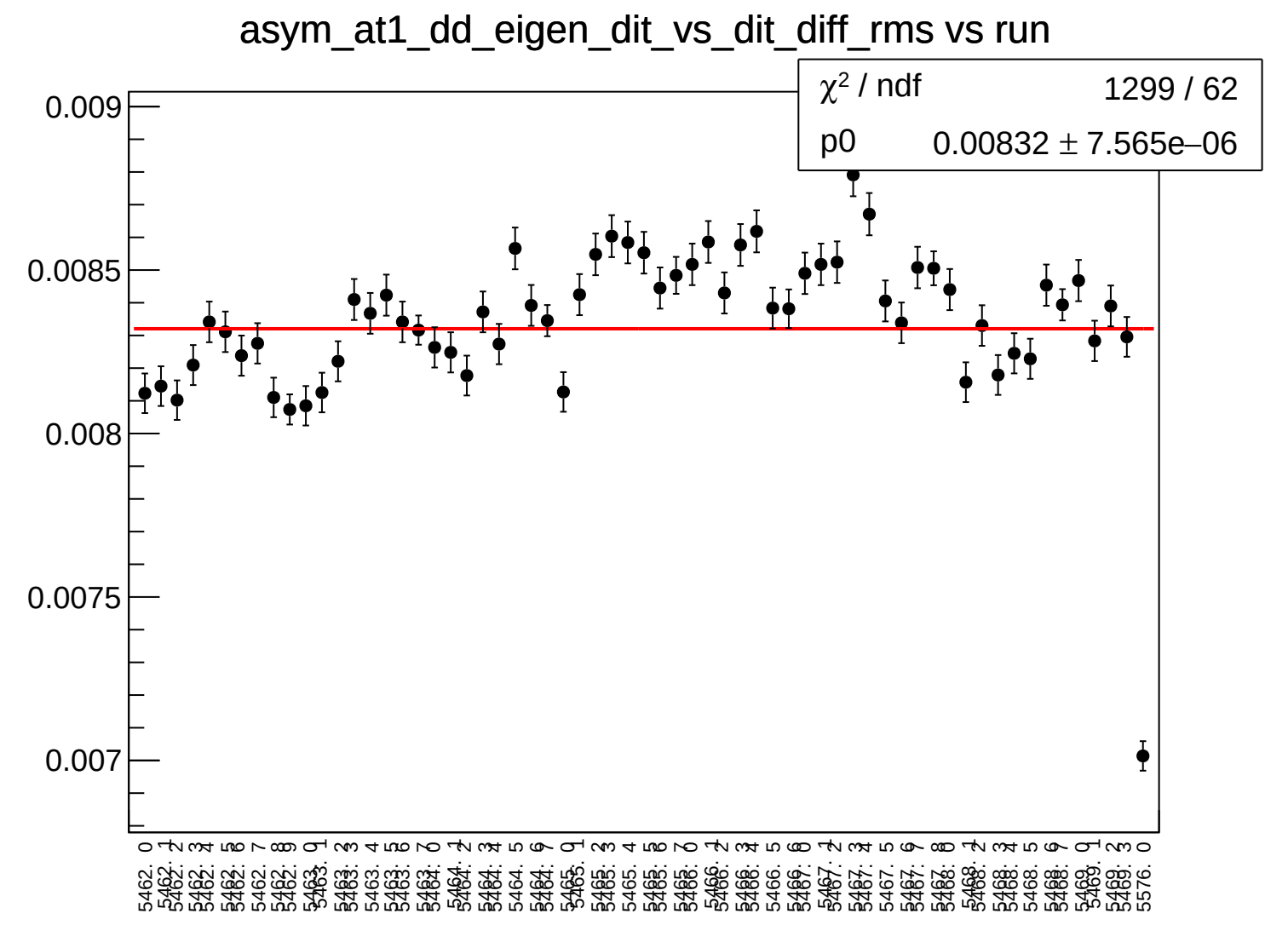

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.652e+04 / 62
p0 147.2 ± 0.1376
2500
2000
1500
1000
500

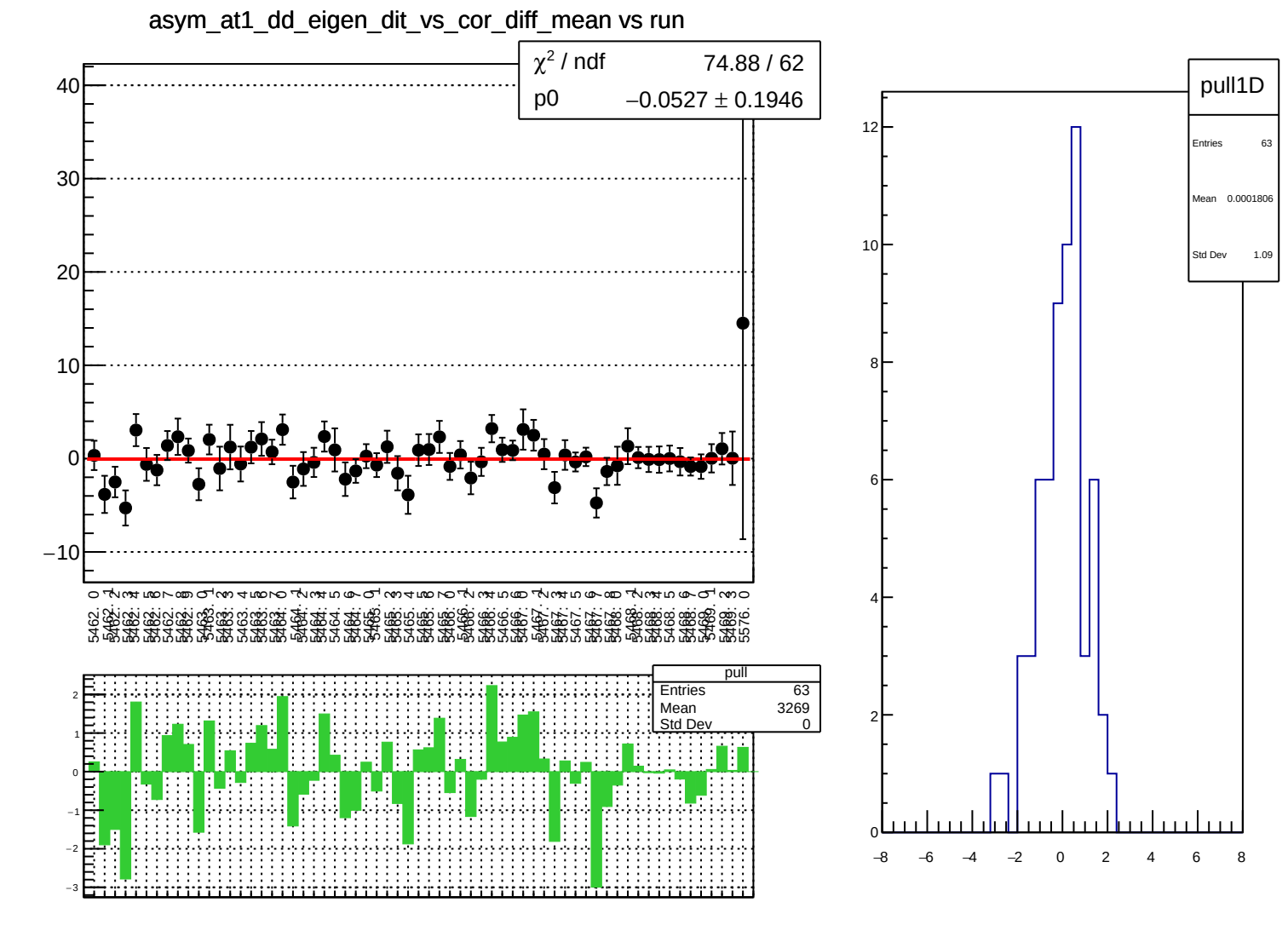

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.88 / 62
p0 −0.05269 ± 0.1946
pull
Entries 63
Mean 3296
Std Dev 0
pull1D
Entries 63
Mean 0.0001791
Std Dev 1.09

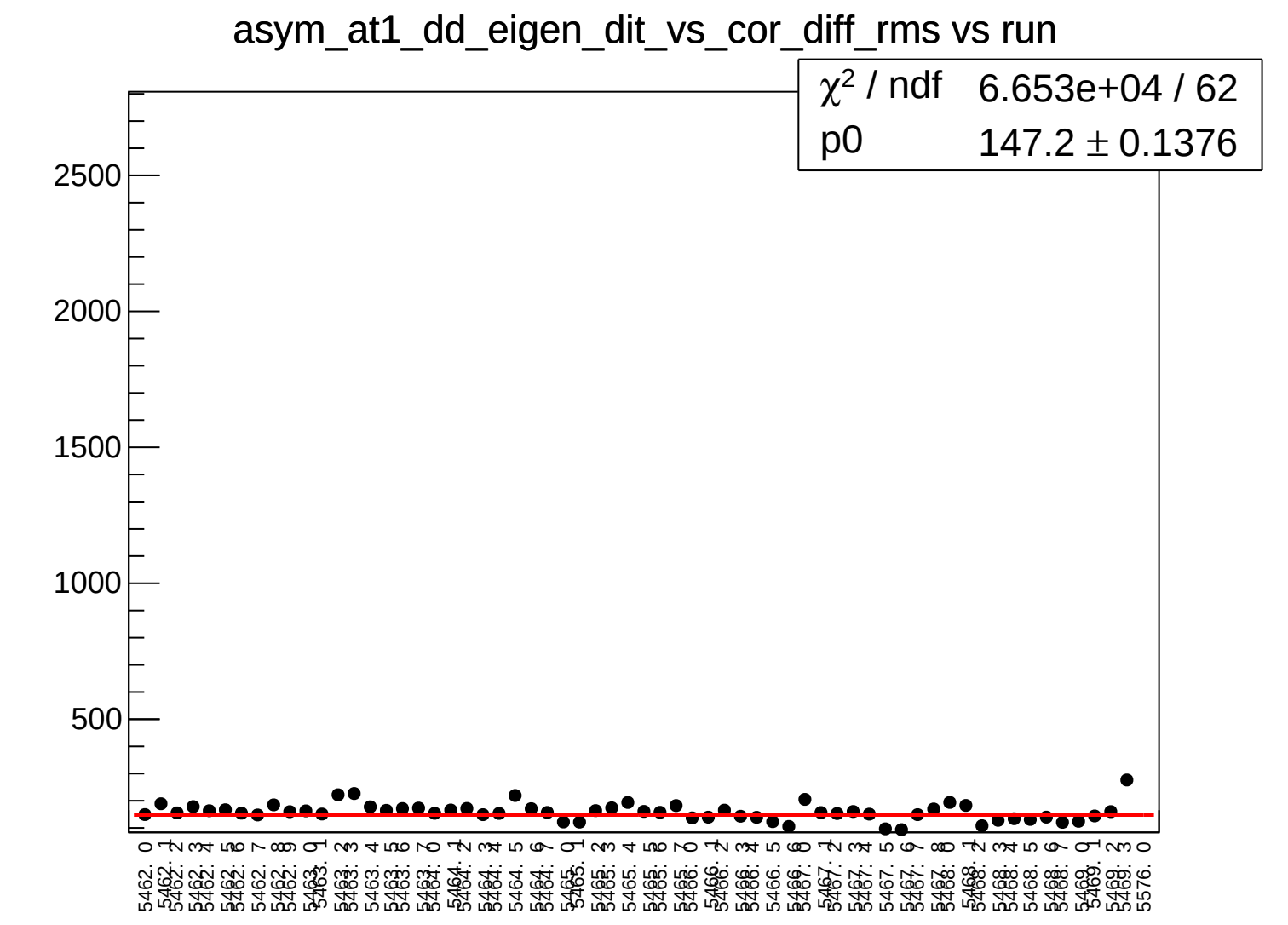

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.652e+04 / 62
p0 147.2 ± 0.1376
2500
2000
1500
1000
500

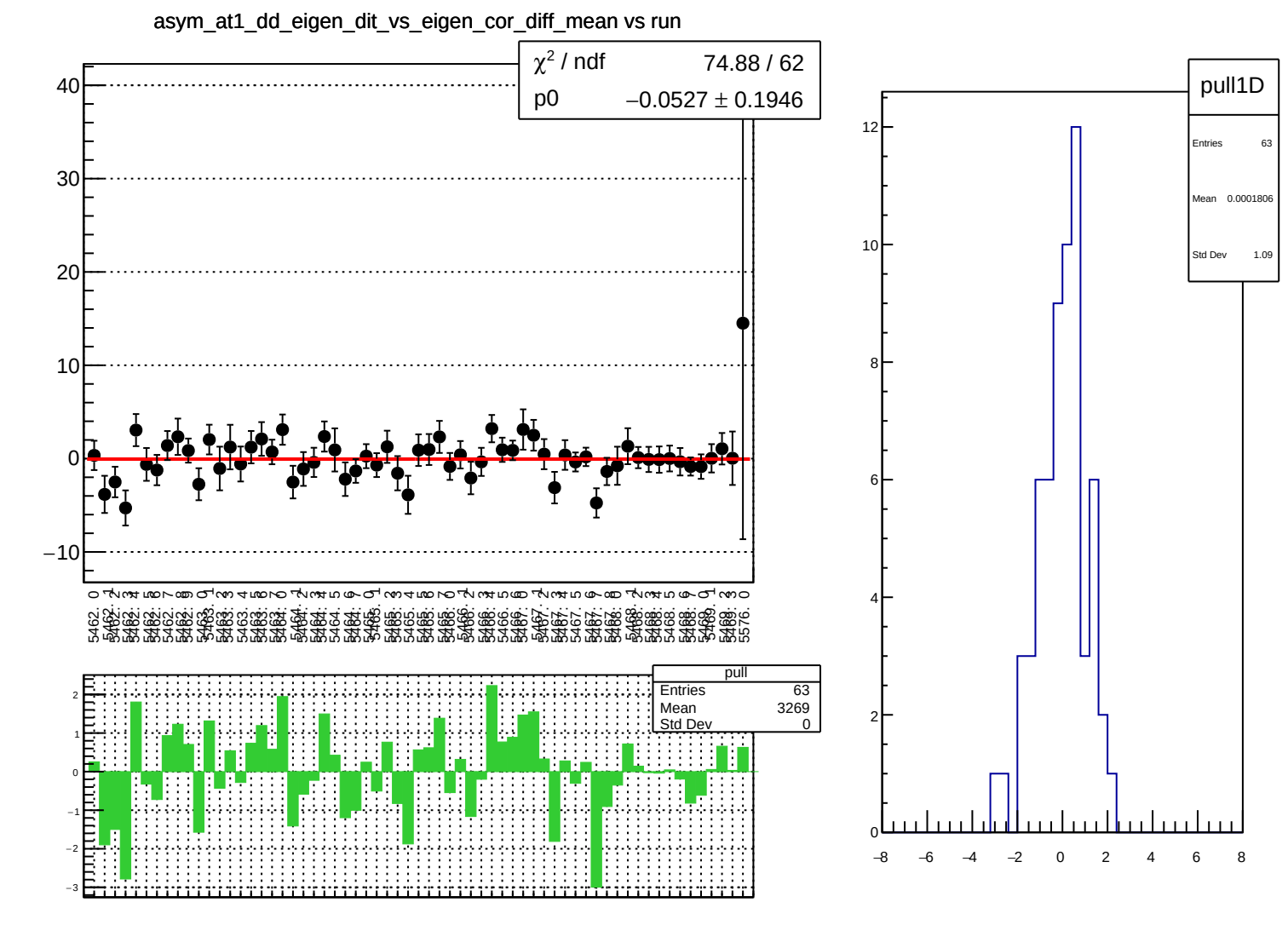

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.4 / 62
p0 −2.255e−06 ± 1.07e−05
pull
Entries 63
Mean 123.1
Std Dev 0

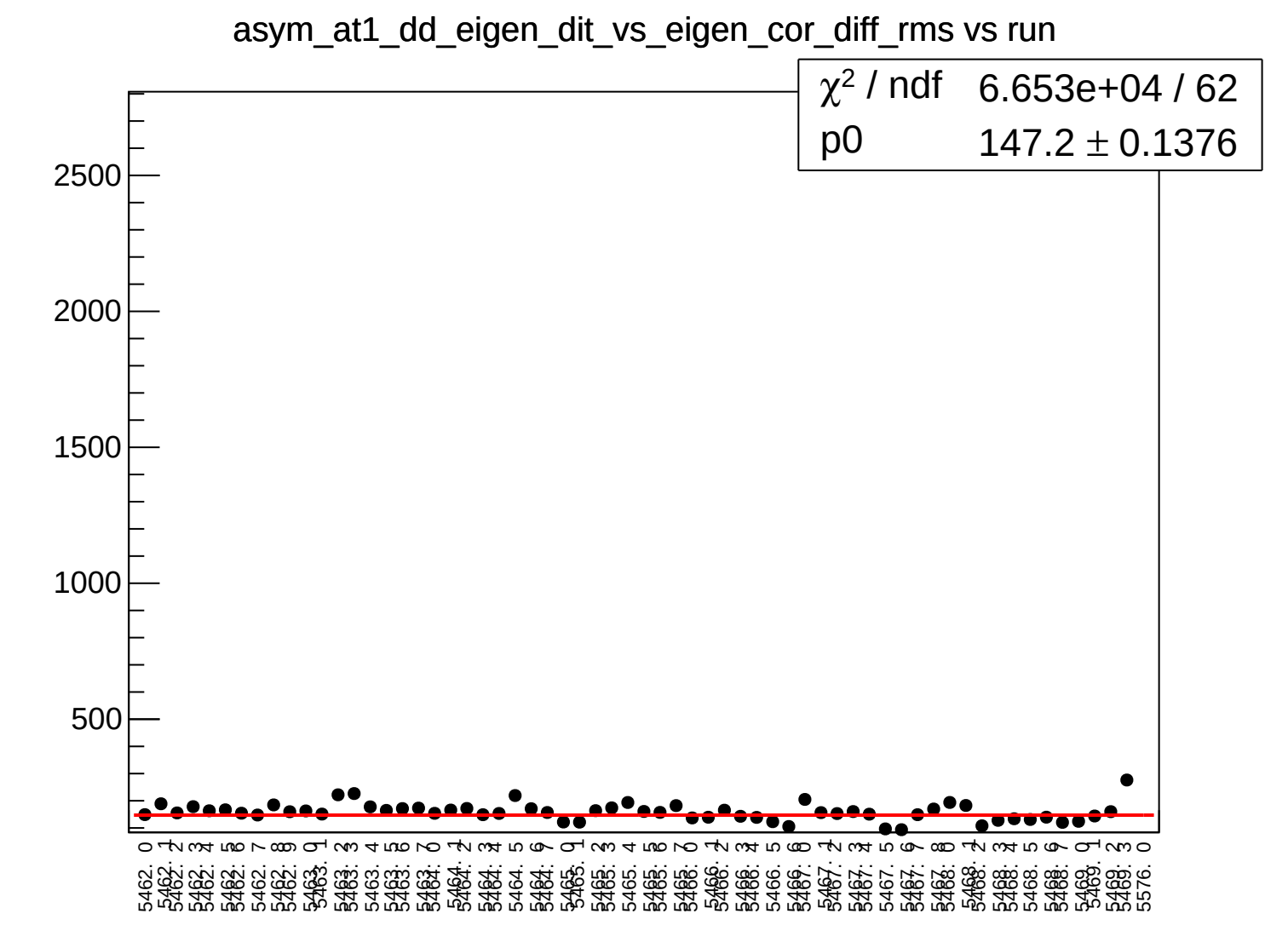

pull1D
Entries 63
Mean −0.01002
Std Dev 1.108

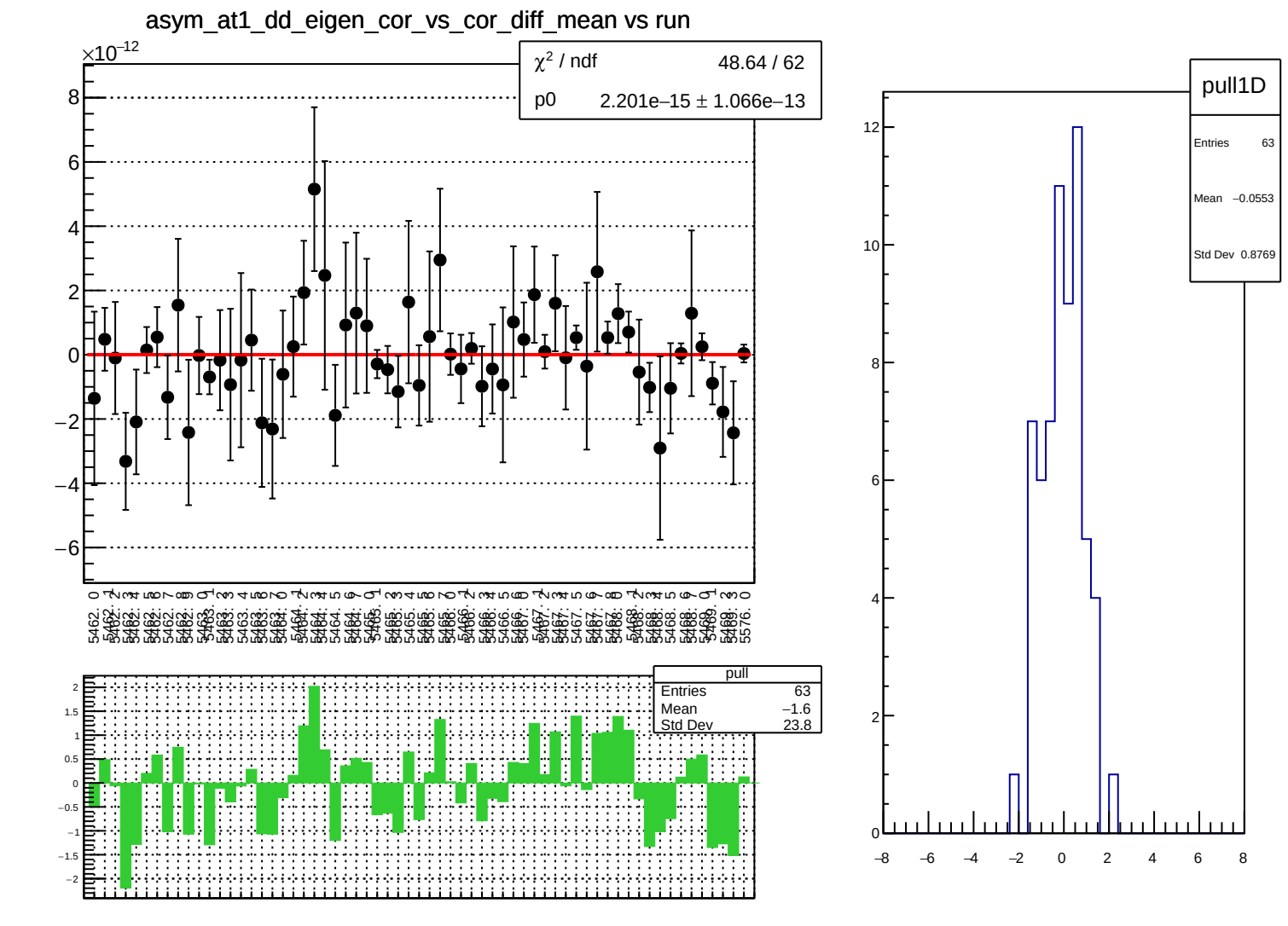

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1299 / 62
p0 0.00832 ± 7.565e−06
0.009
0.0085
0.008
0.0075
0.007

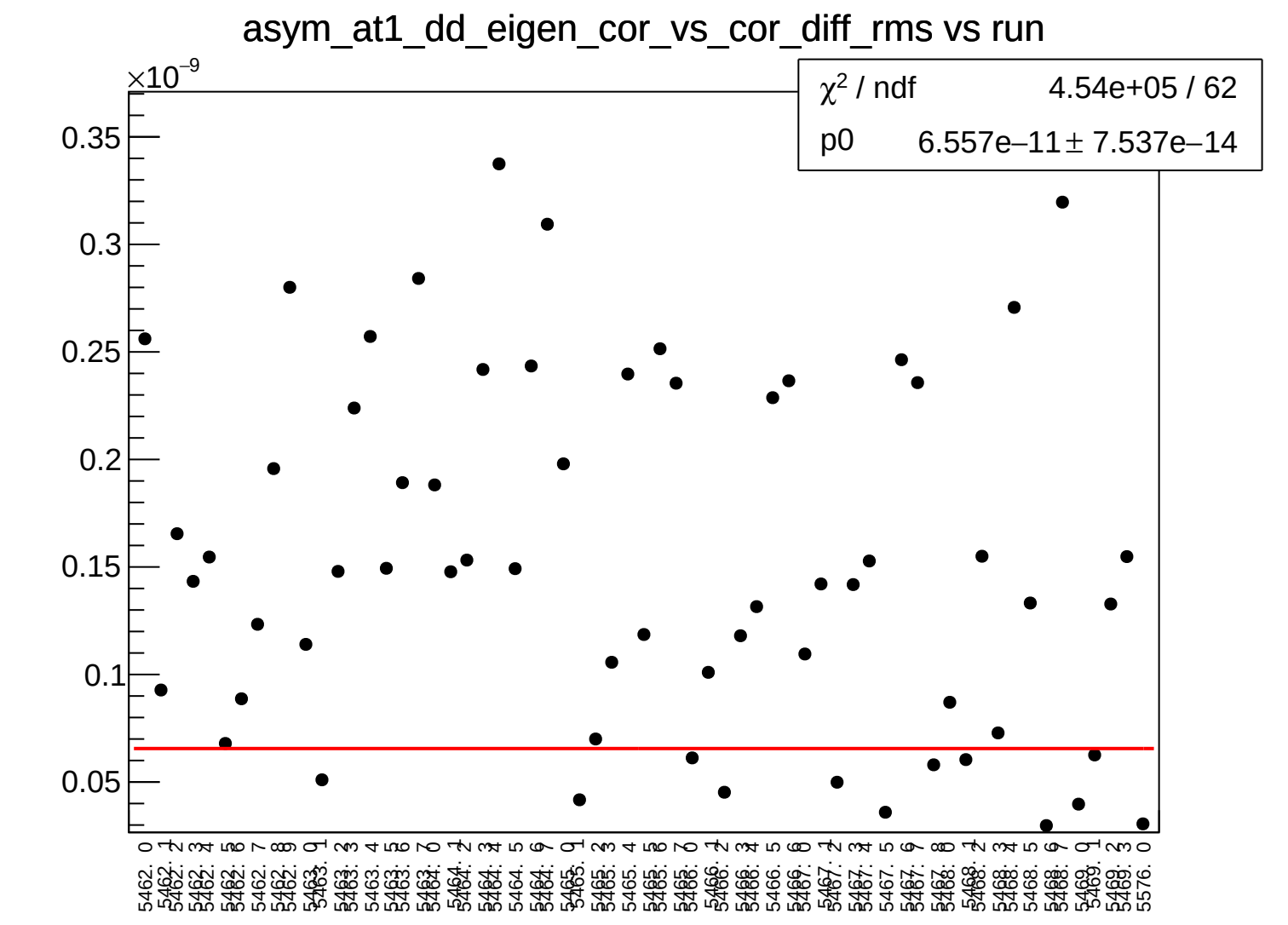

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.88 / 62
p0 −0.0527 ± 0.1946
pull
Entries 63
Mean 3269
Std Dev 0
pull1D
Entries 63
Mean 0.0001806
Std Dev 1.09

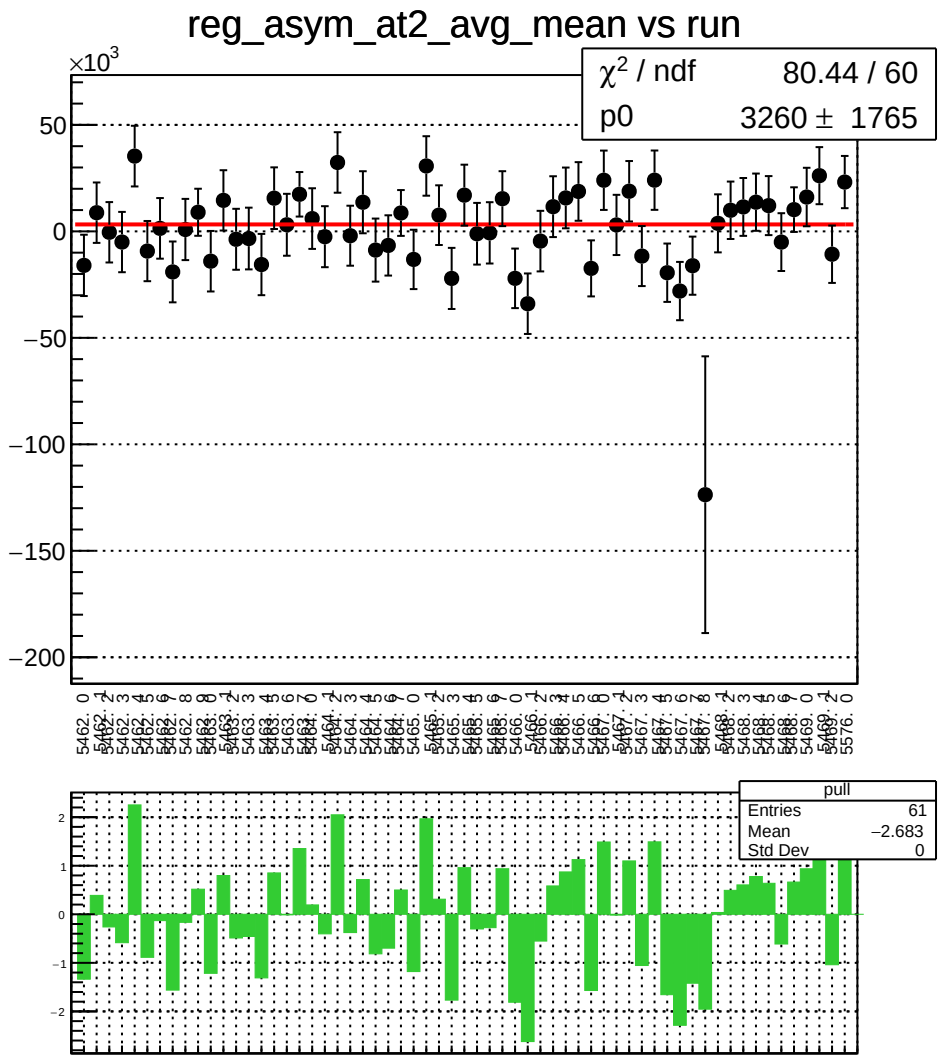

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.653e+04 / 62
p0 147.2 ± 0.1376
2500
2000
1500
1000
500

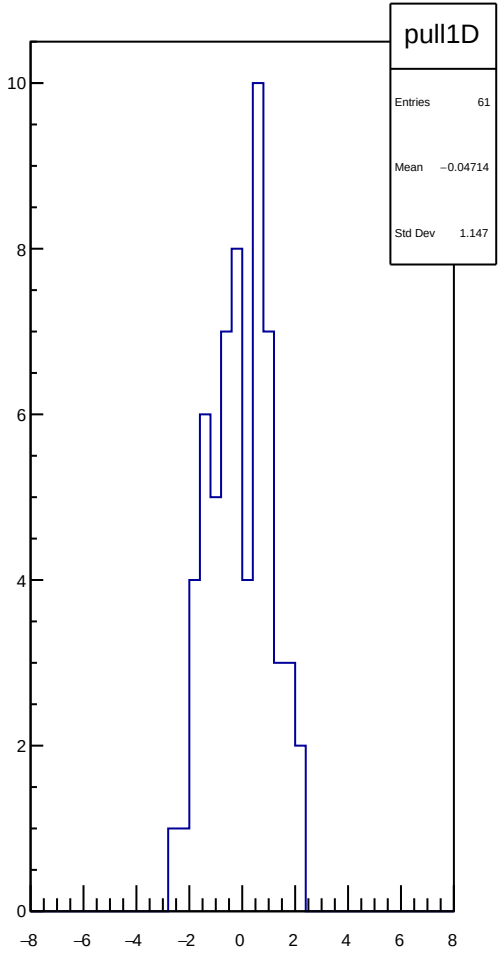

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.88 / 62
p0 −0.0527 ± 0.1946
pull
Entries 63
Mean 3269
Std Dev 0
pull1D
Entries 63
Mean 0.0001806
Std Dev 1.09

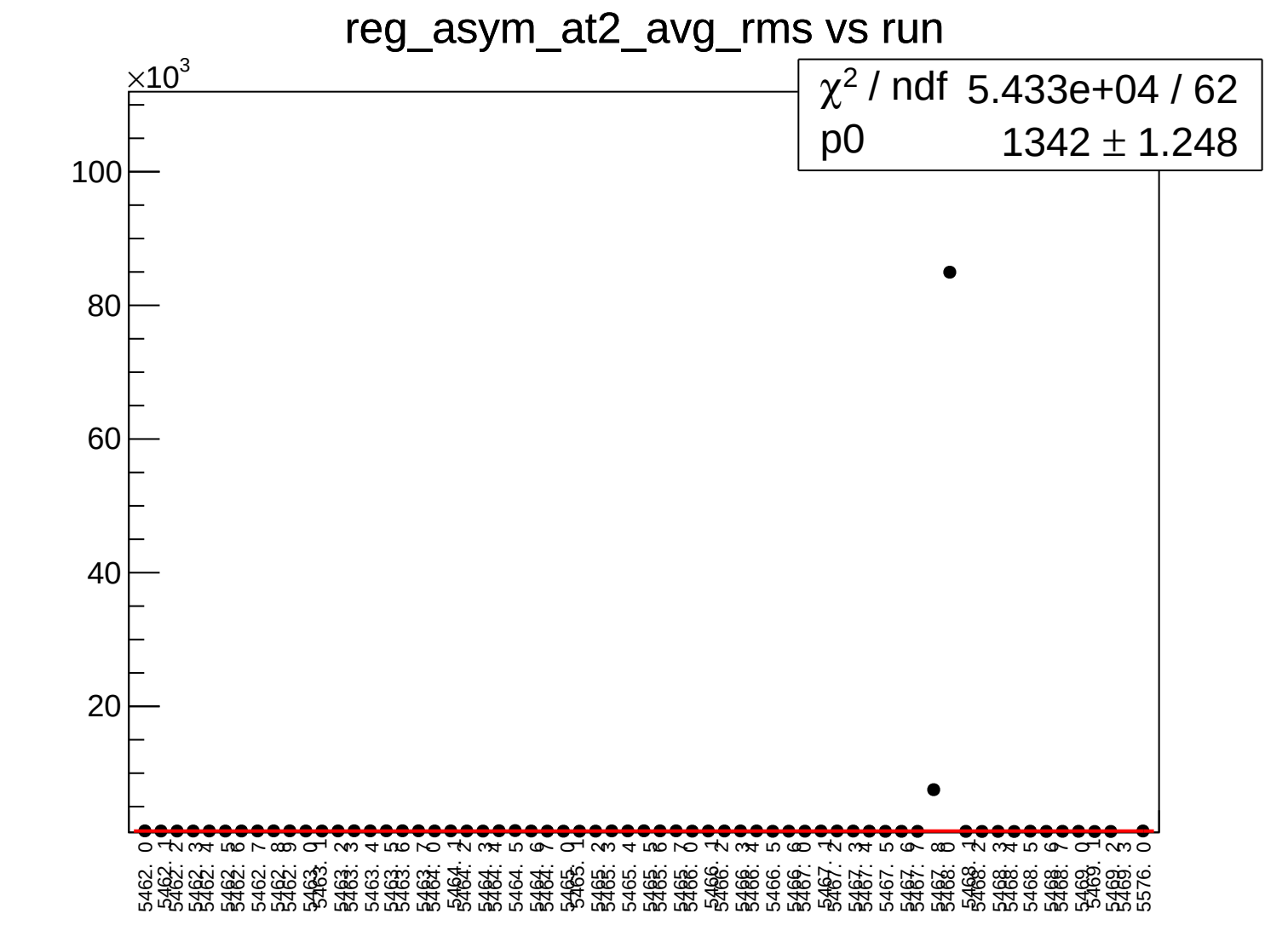

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.653e+04 / 62
p0 147.2 ± 0.1376
2500
2000
1500
1000
500

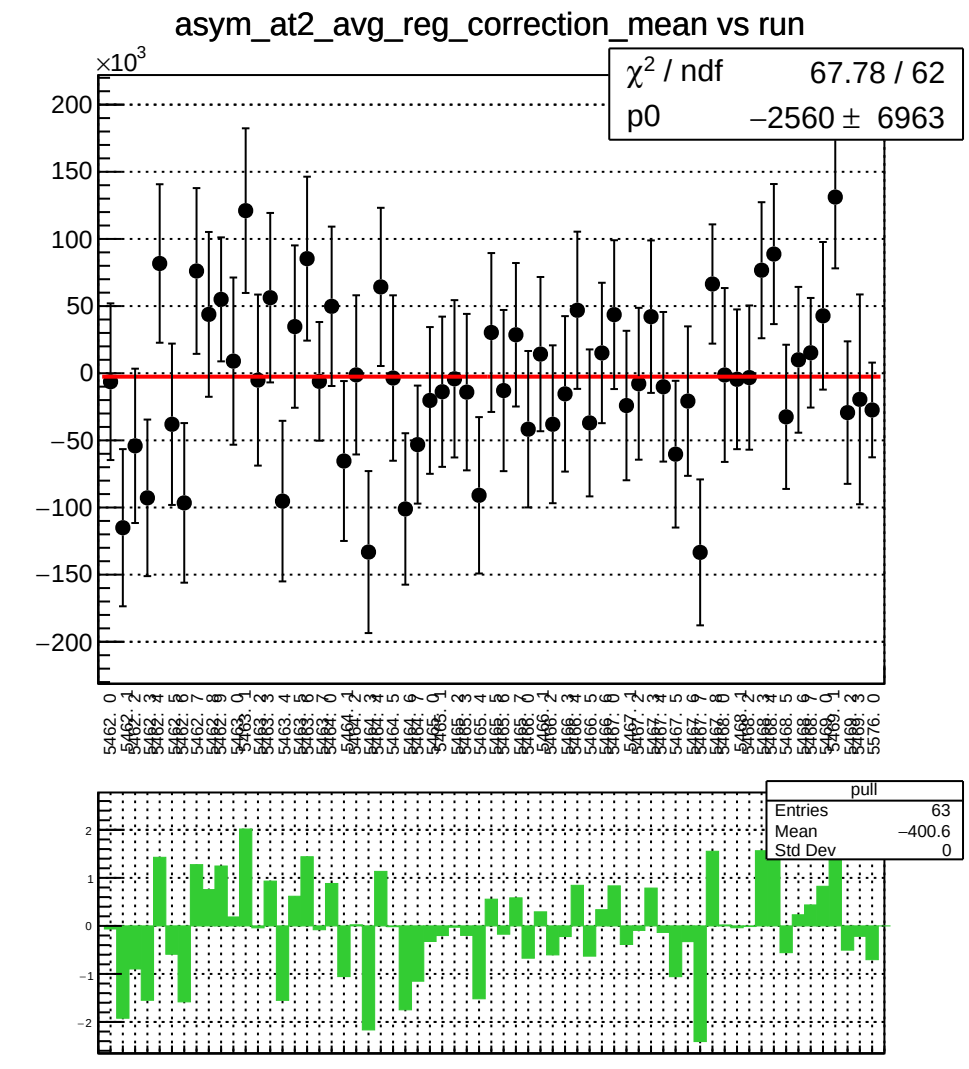

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.64 / 62
p0 2.201e−15 ± 1.066e−13
pull
Entries 63
Mean −1.6
Std Dev 23.8
pull1D
Entries 63
Mean −0.0553
Std Dev 0.8769

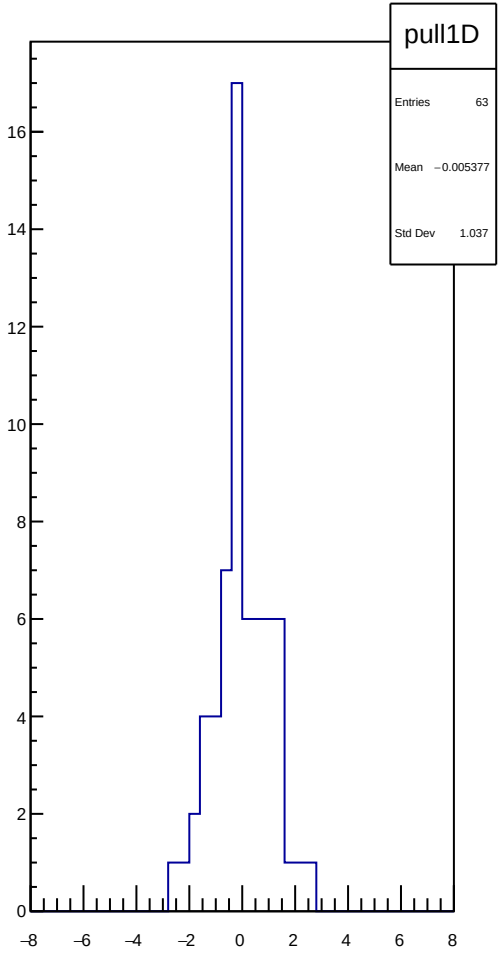

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.54e+05 / 62
p0 6.557e−11 ± 7.537e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

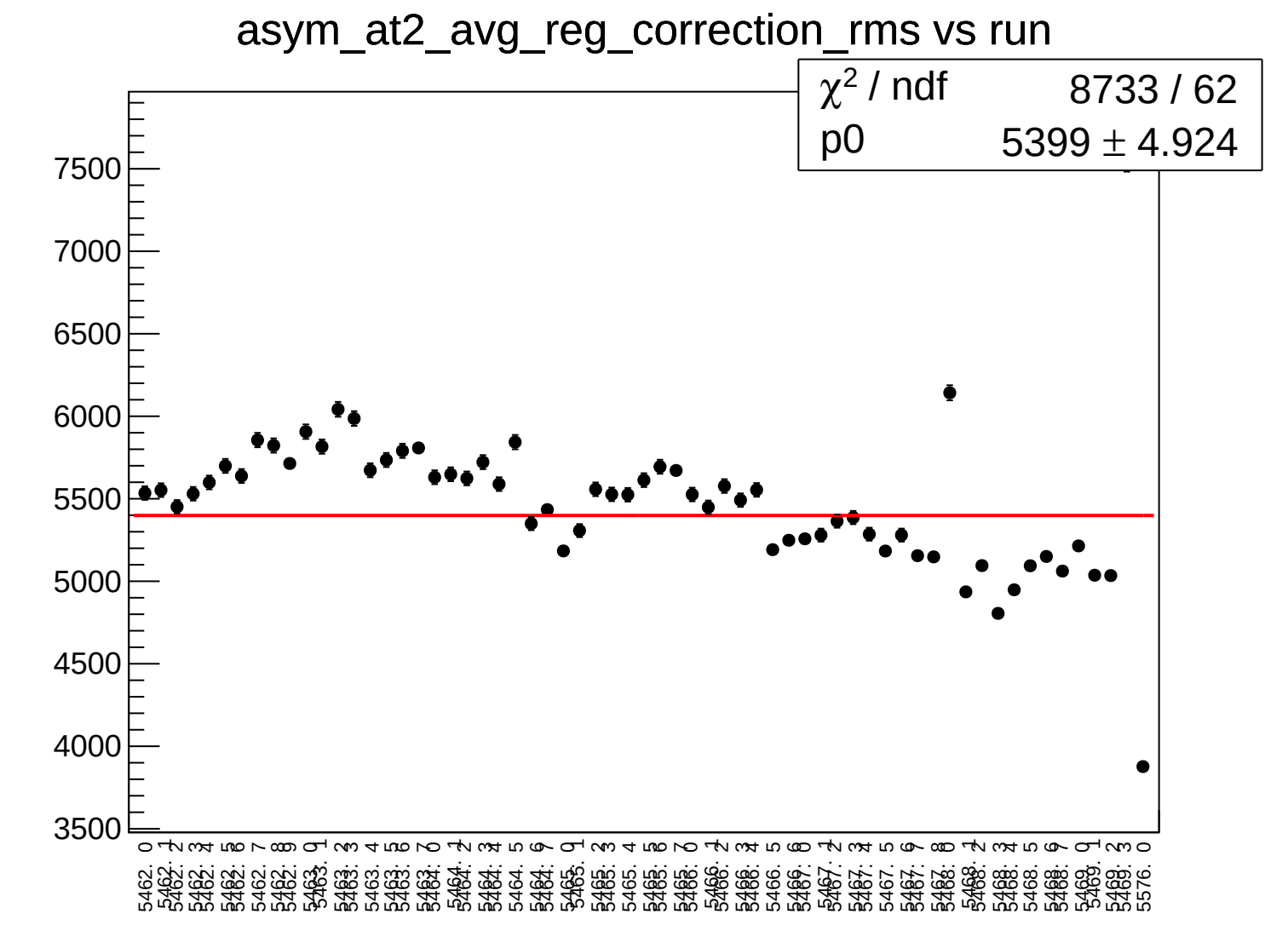

reg_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 80.44 / 60
p0 3260 ± 1765
50
0
−50
−100
−150
−200
pull
Entries 61
Mean −2.683
Std Dev 0
2
1
0
−1
−2

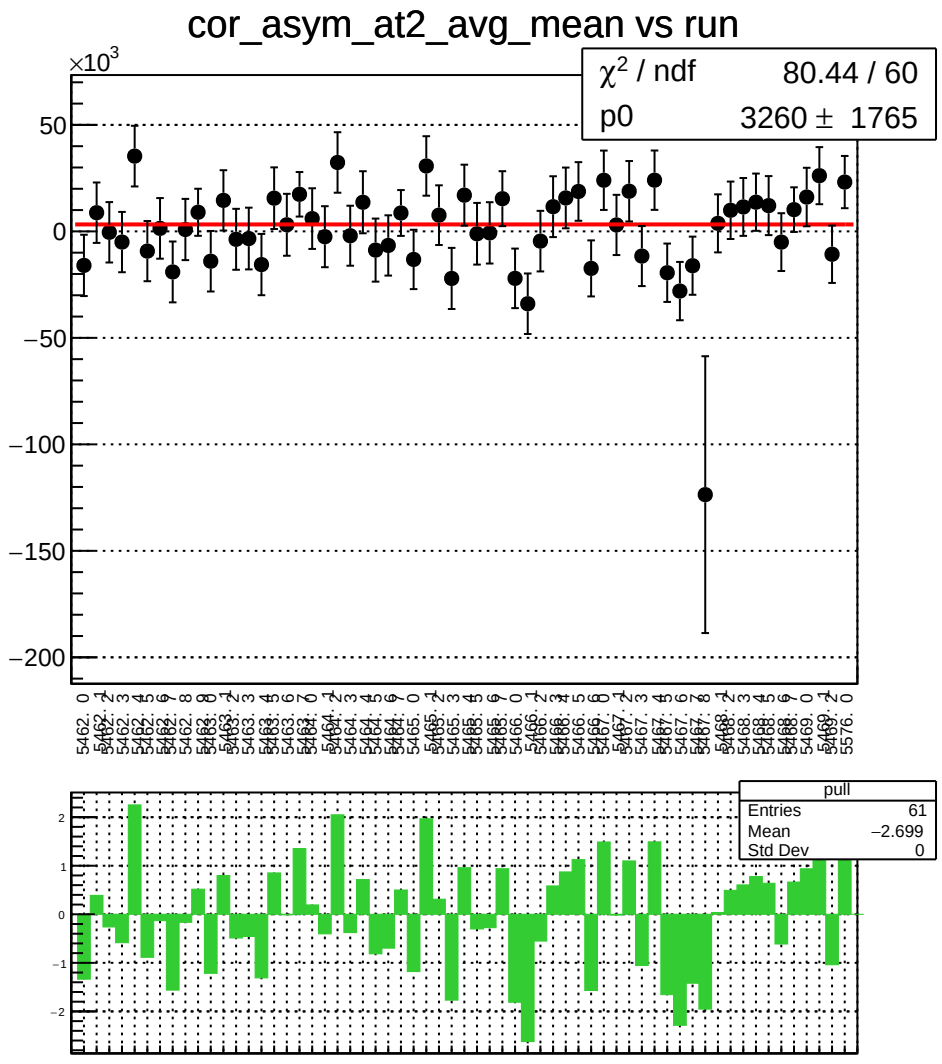

pull1D
Entries 61
Mean −0.04714
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

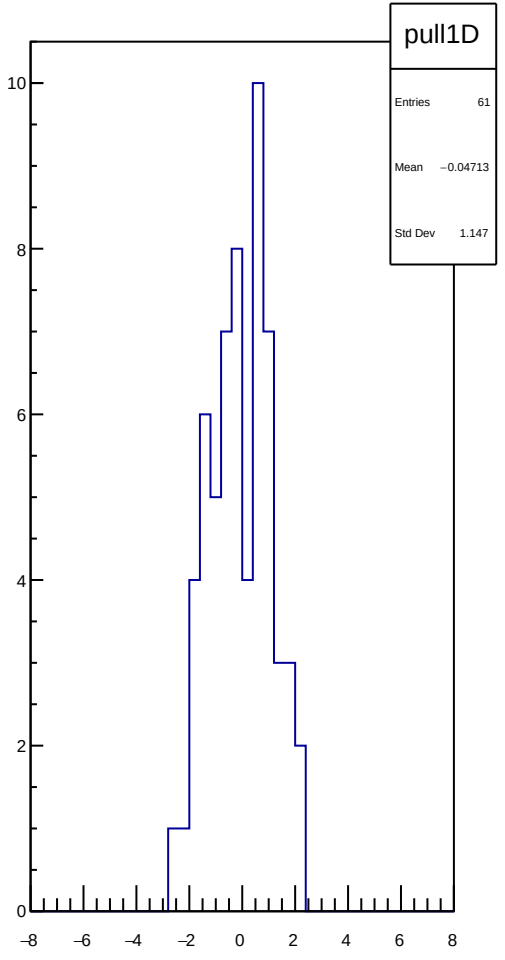

reg_asym_at2_avg_rms vs run
×10^3
χ^2 / ndf 5.433e+04 / 62
p0 1342 ± 1.248
100
80
60
40
20

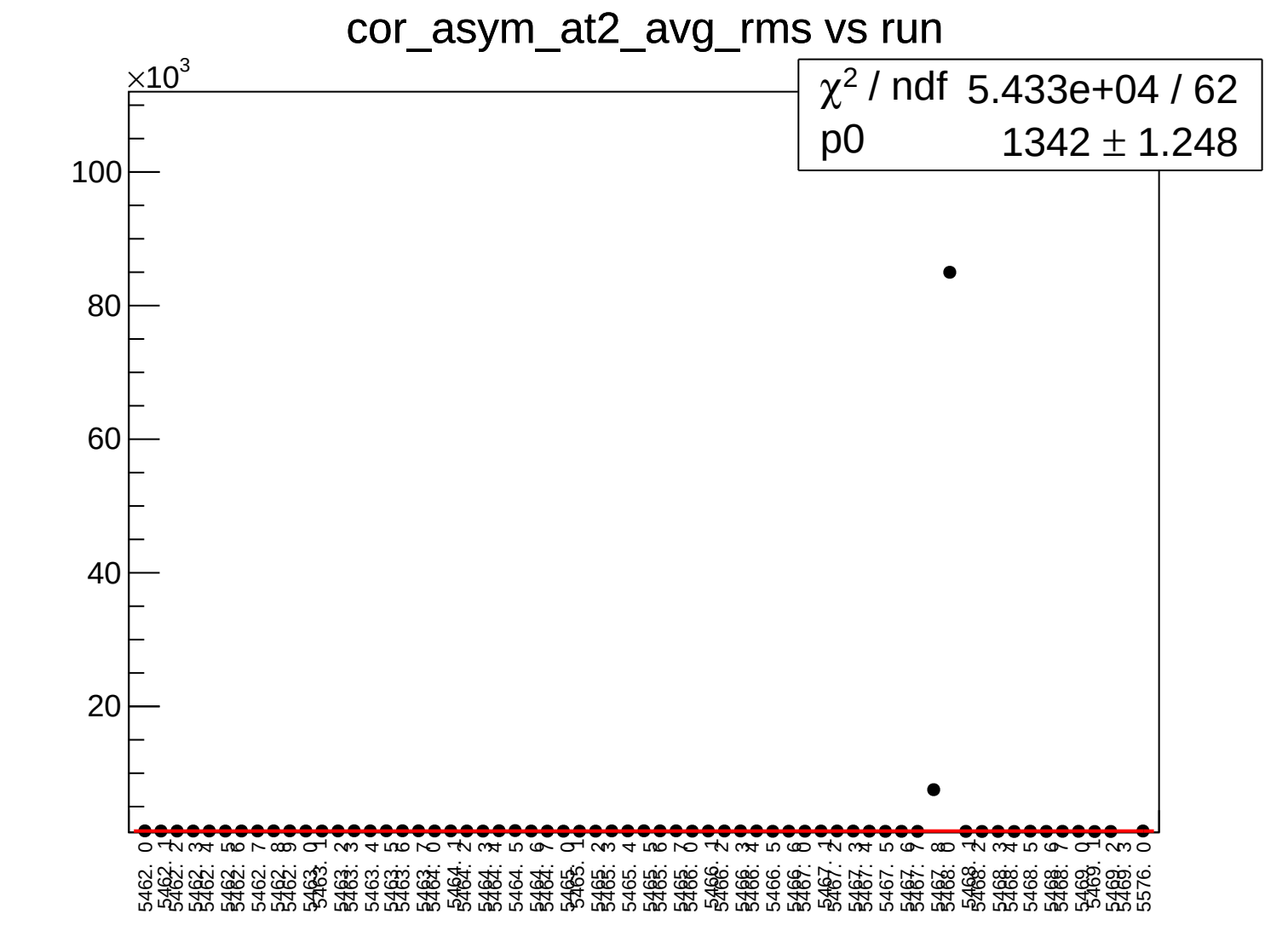

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 67.78 / 62
p0 −2560 ± 6963
pull
Entries 63
Mean −400.6
Std Dev 0

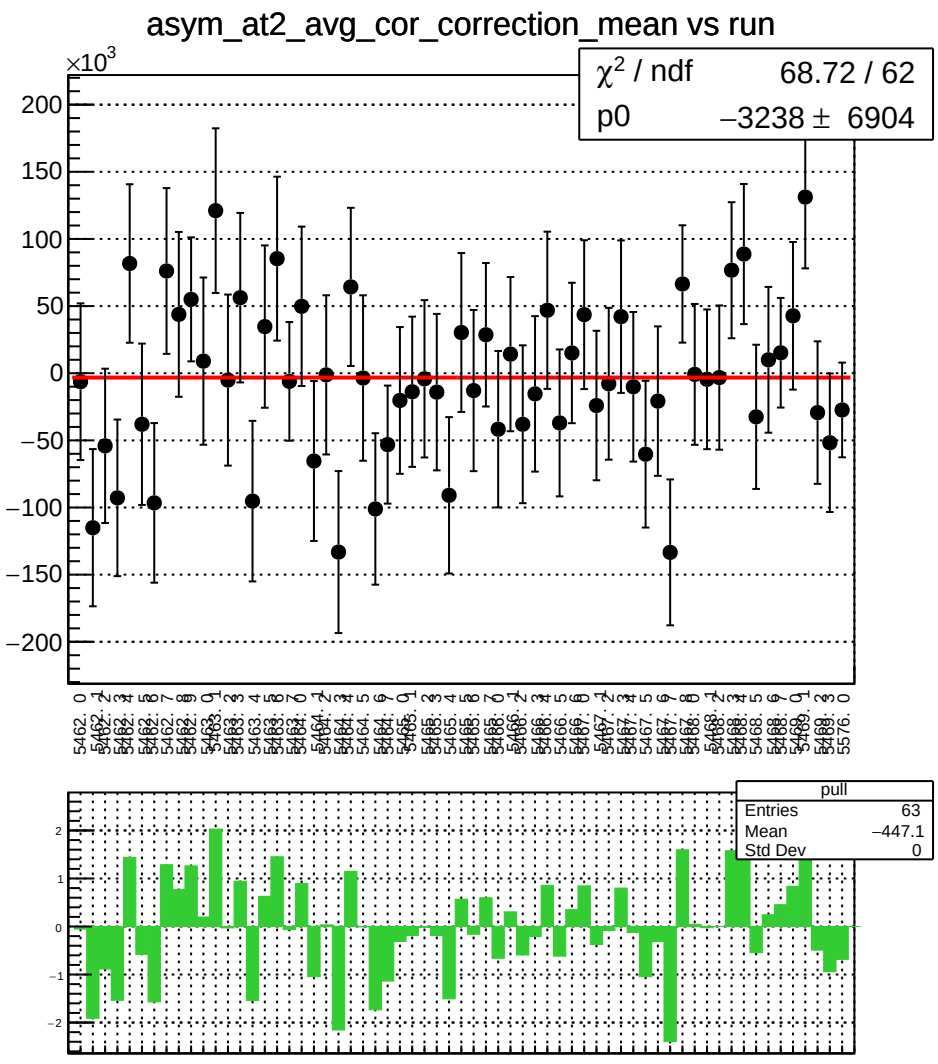

pull1D
Entries 63
Mean −0.005377
Std Dev 1.037

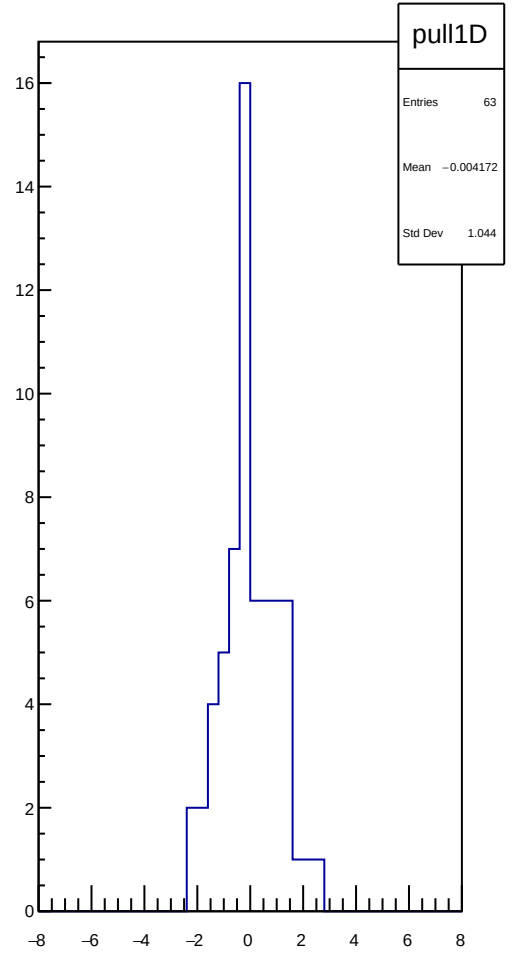

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 8733 / 62
p0 5399 ± 4.924
7500
7000
6500
6000
5500
5000
4500
4000
3500

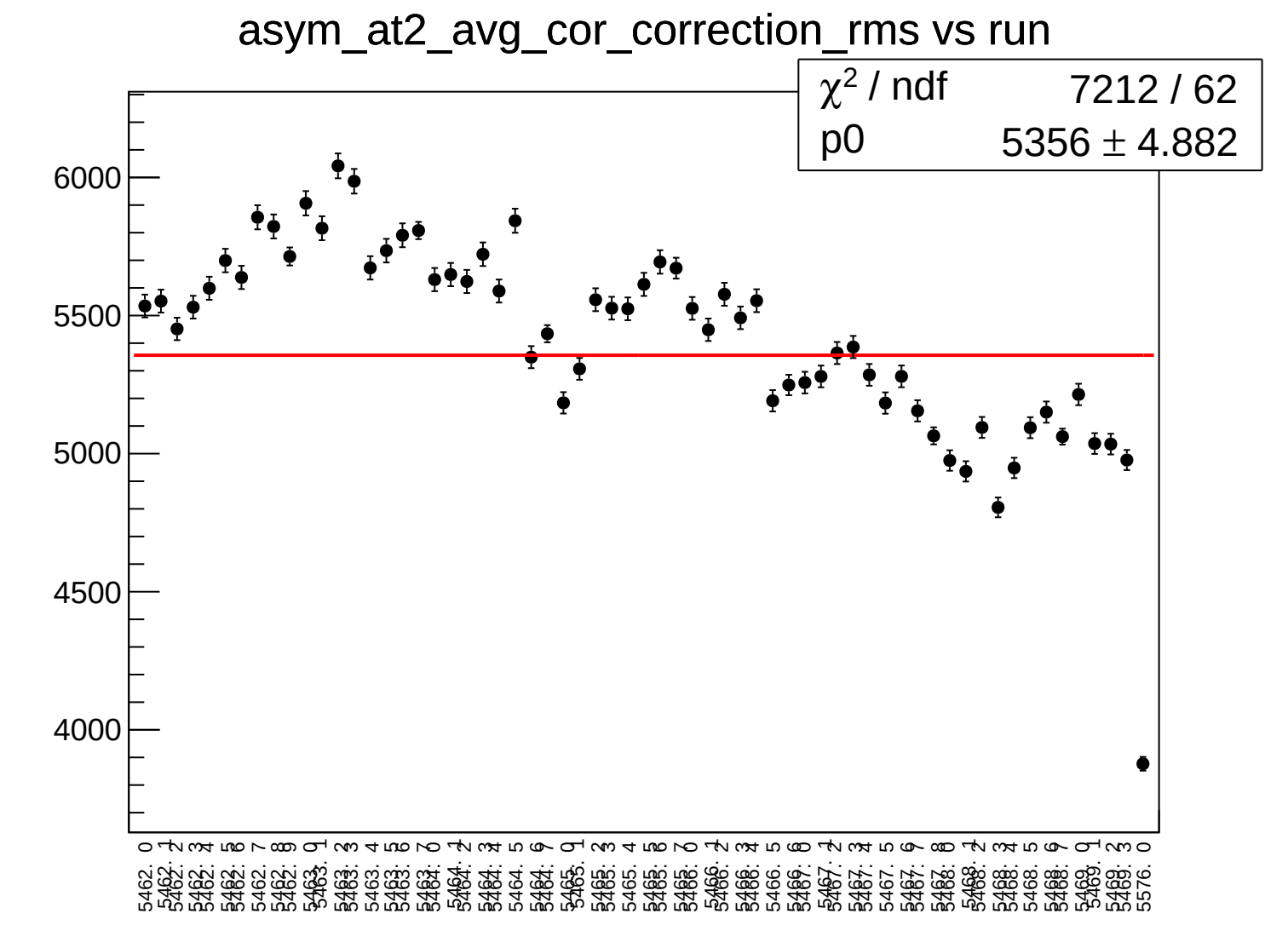

cor_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 80.44 / 60
p0 3260 ± 1765
pull
Entries 61
Mean −2.699
Std Dev 0

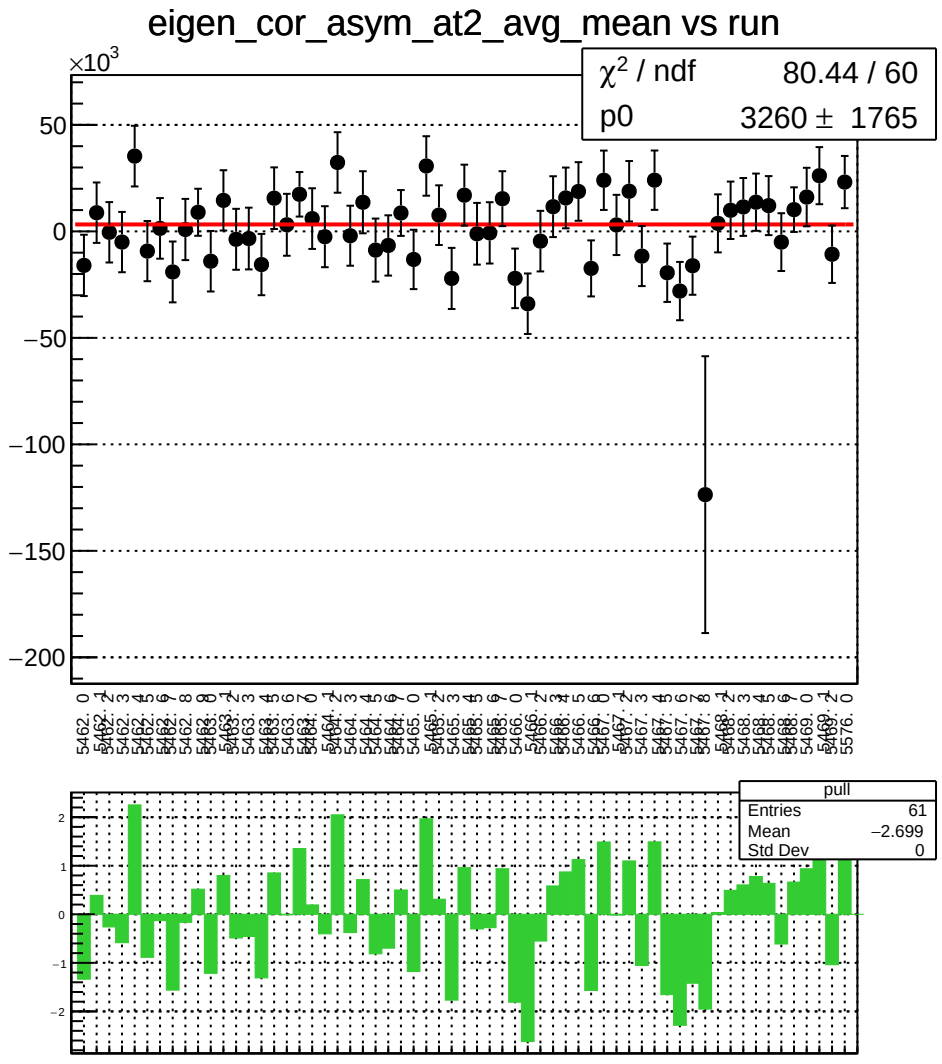

pull1D
Entries 61
Mean −0.04713
Std Dev 1.147

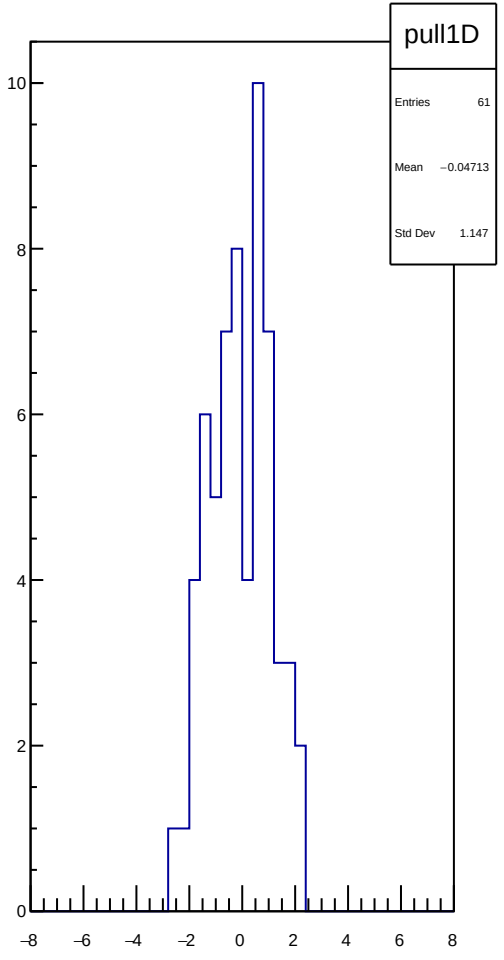

cor_asym_at2_avg_rms vs run
×10^3
χ^2 / ndf 5.433e+04 / 62
p0 1342 ± 1.248
100
80
60
40
20

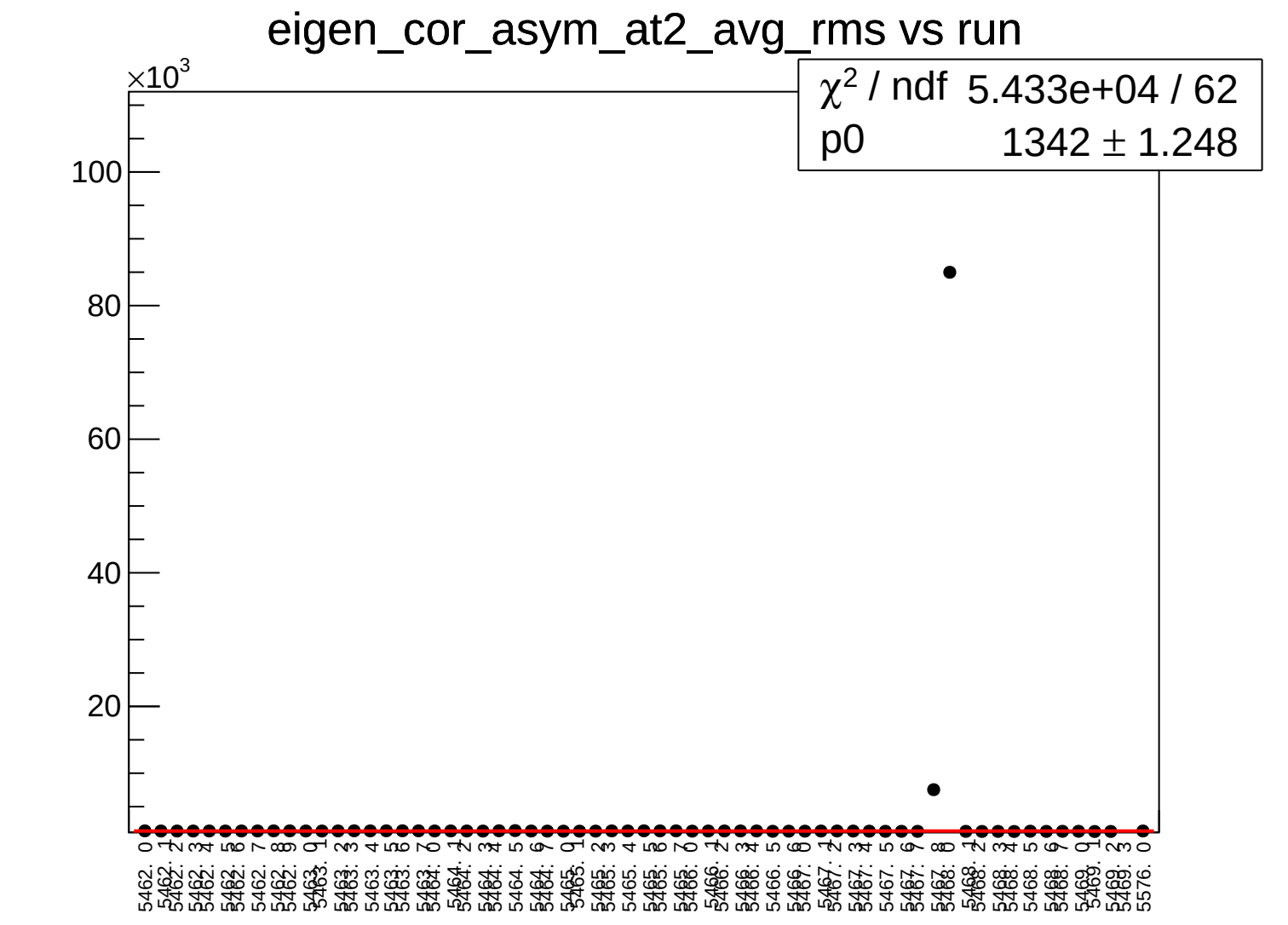

asym_at2_avg_cor_correction_mean vs run
χ² / ndf 68.72 / 62
p0 −3238 ± 6904
×10³
pull
Entries 63
Mean −447.1
Std Dev 0

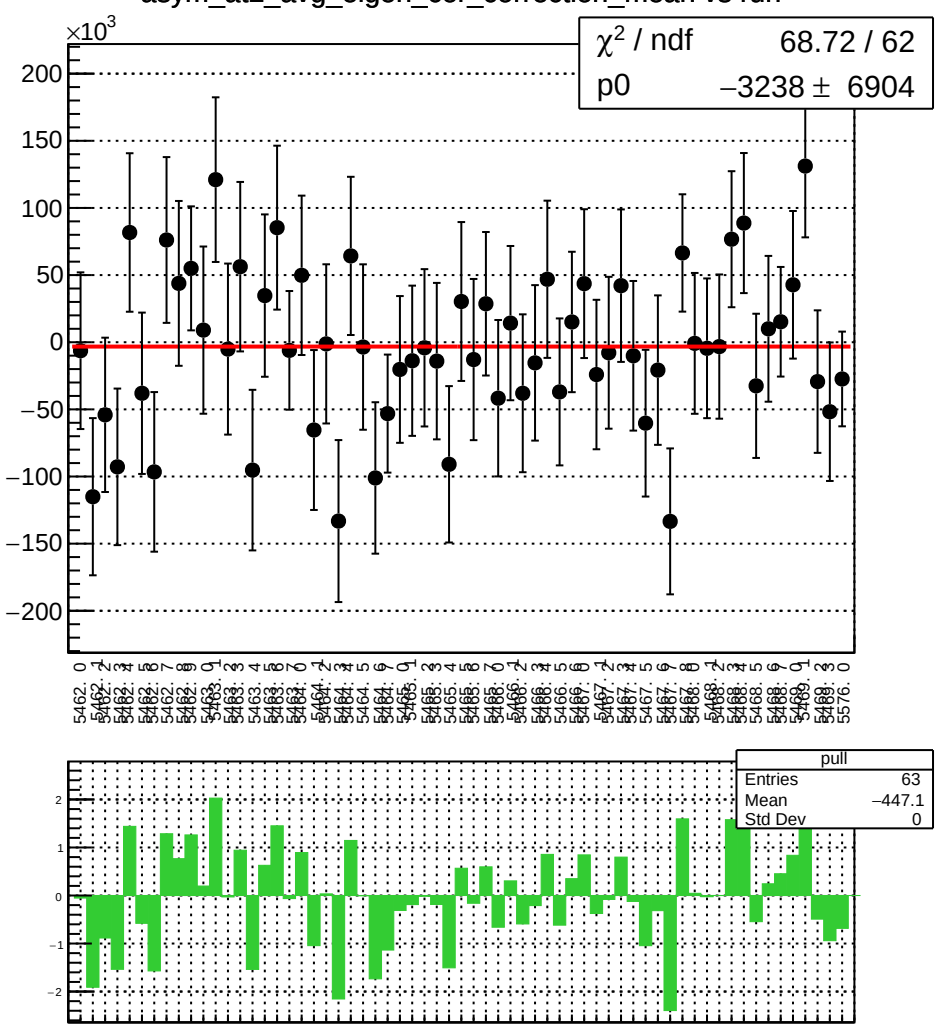

pull1D
Entries 63
Mean −0.004172
Std Dev 1.044

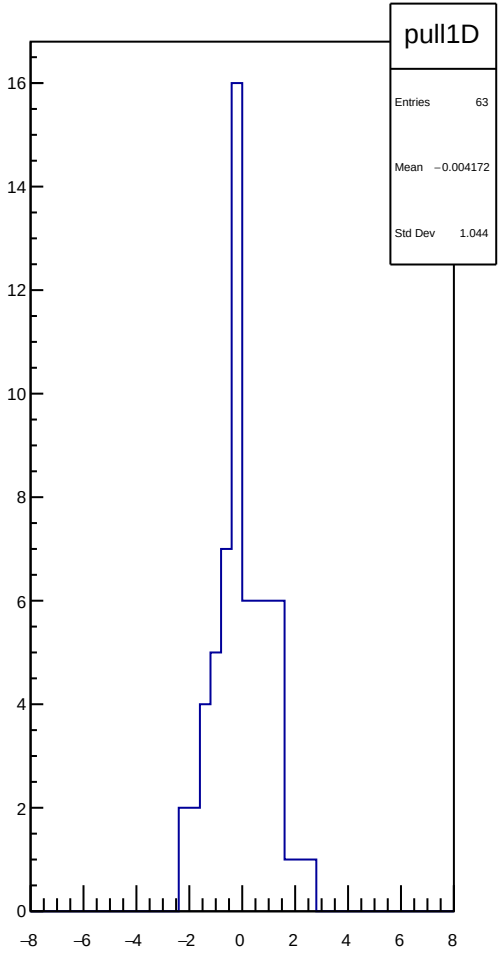

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 7212 / 62
p0 5356 ± 4.882
6000
5500
5000
4500
4000

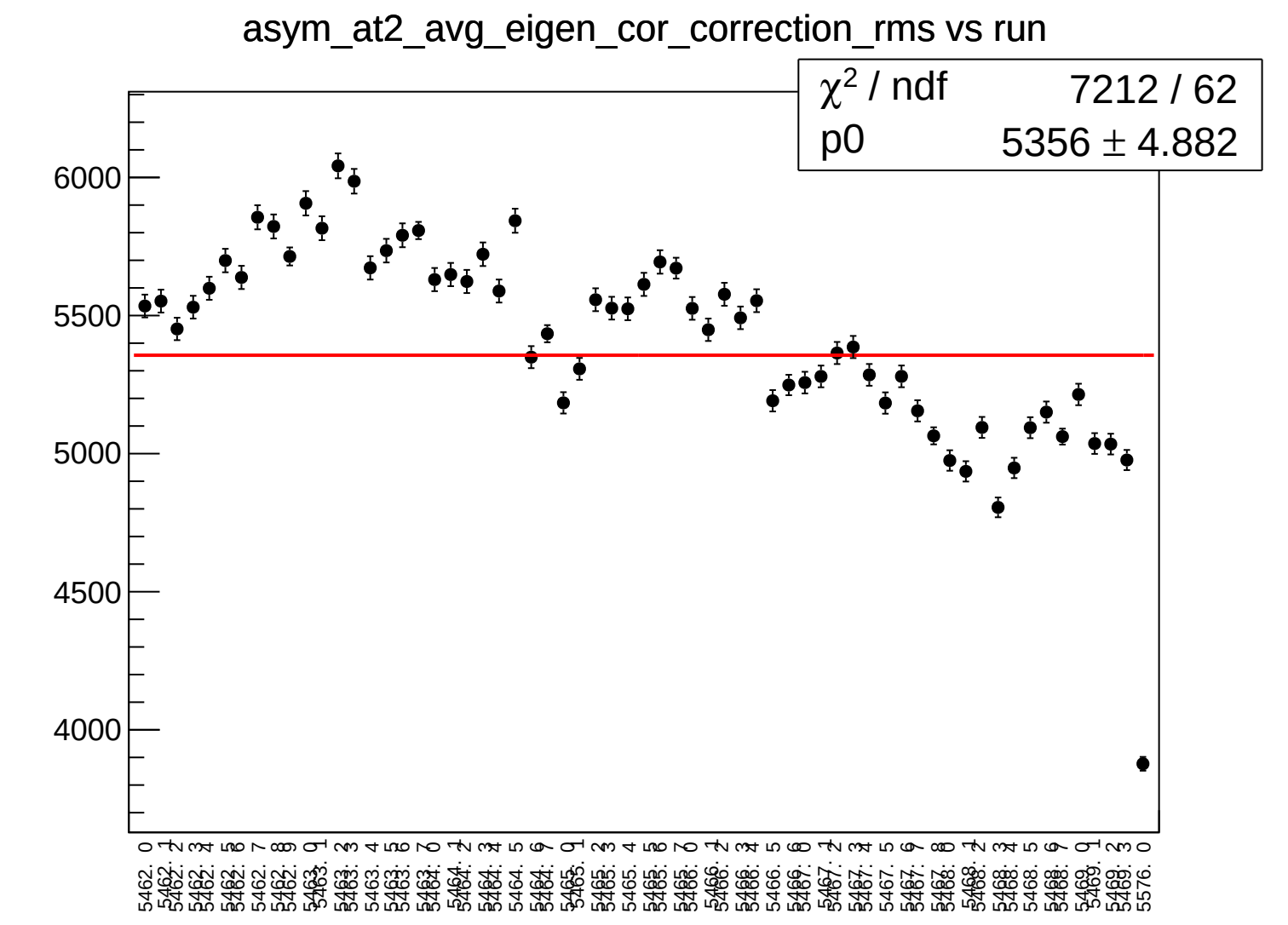

eigen_cor_asym_at2_avg_mean vs run
×10^3
χ² / ndf 80.44 / 60
p0 3260 ± 1765
50
0
−50
−100
−150
−200
pull
Entries 61
Mean −2.699
Std Dev 0
2
1
0
−1
−2

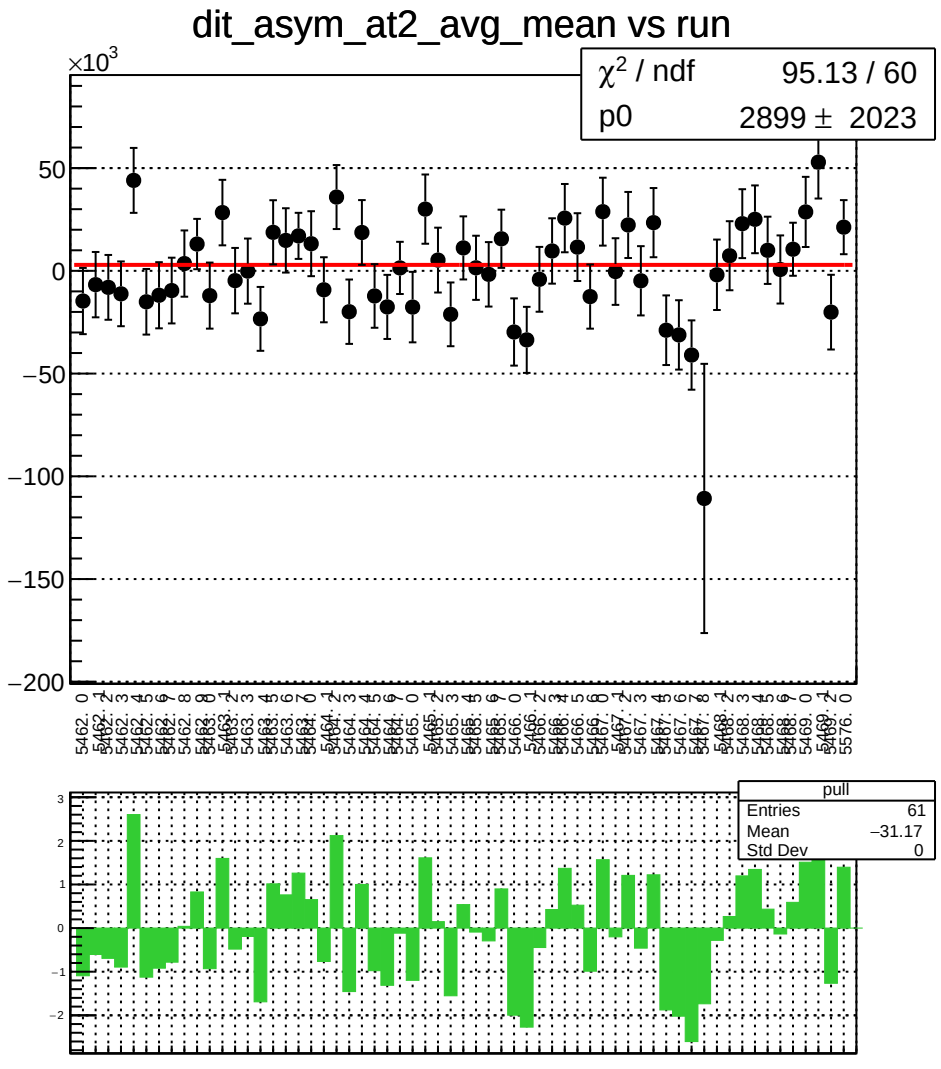

pull1D
Entries 61
Mean −0.04713
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

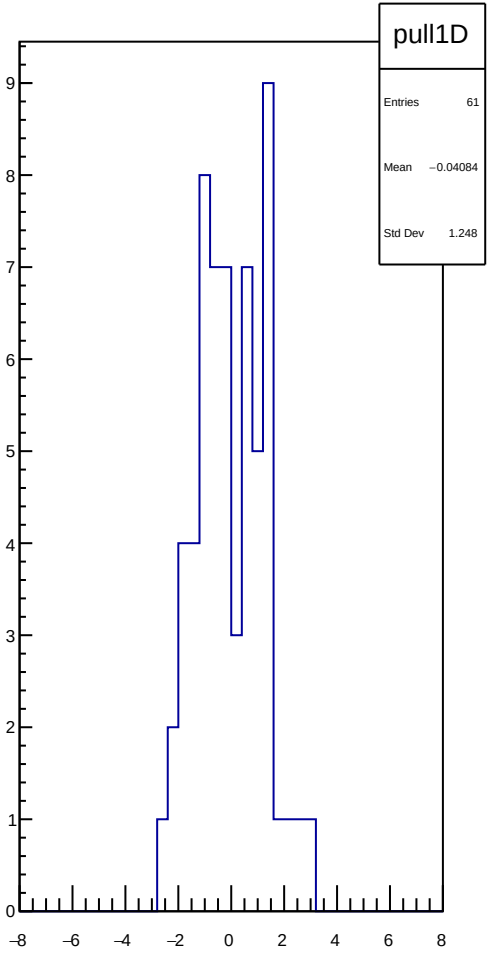

eigen_cor_asym_at2_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.433e+04 / 62
p0 1342 ± 1.248

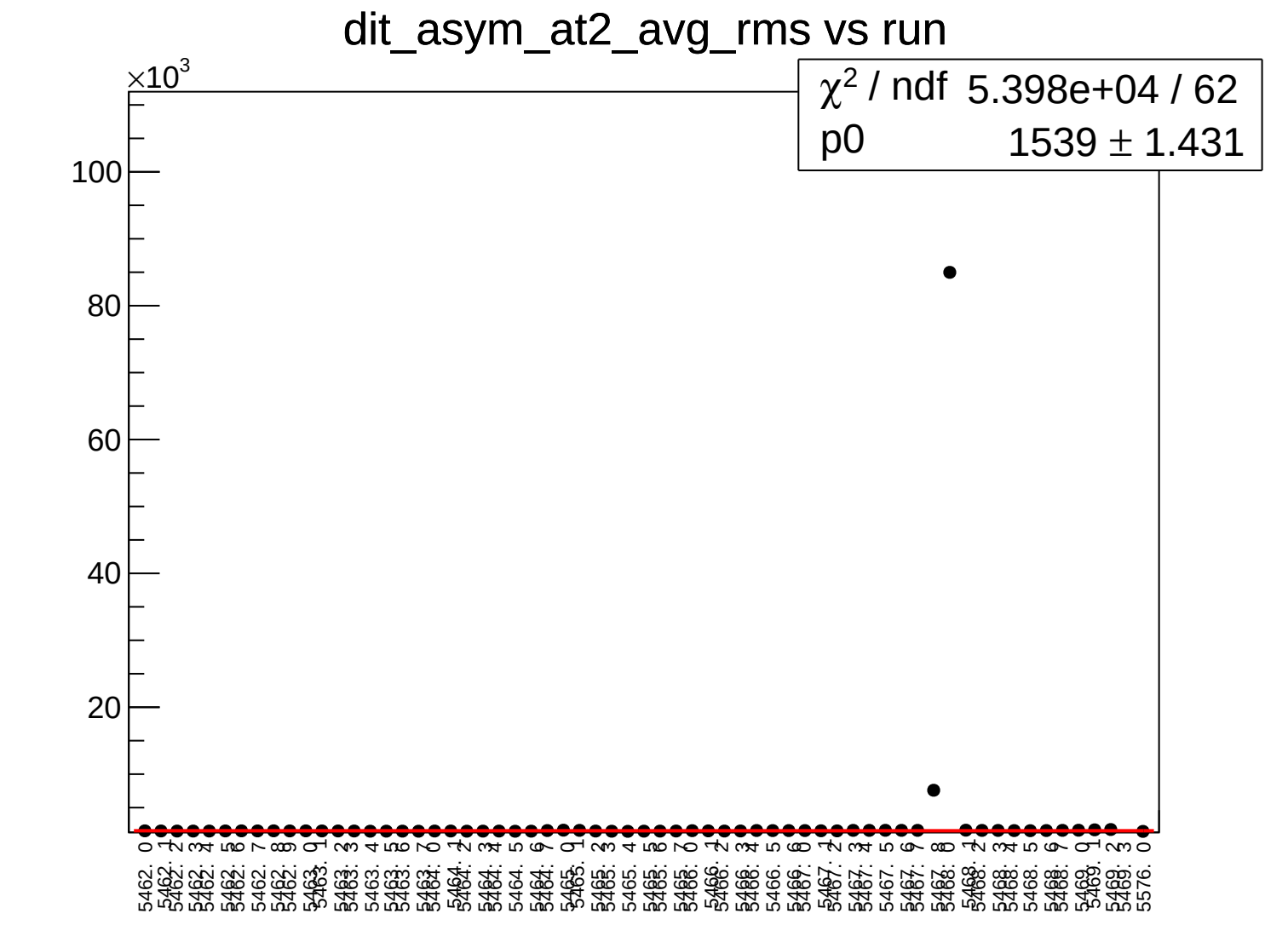

asym_at2_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.72 / 62
p0 −3238 ± 6904
pull
Entries 63
Mean −447.1
Std Dev 0

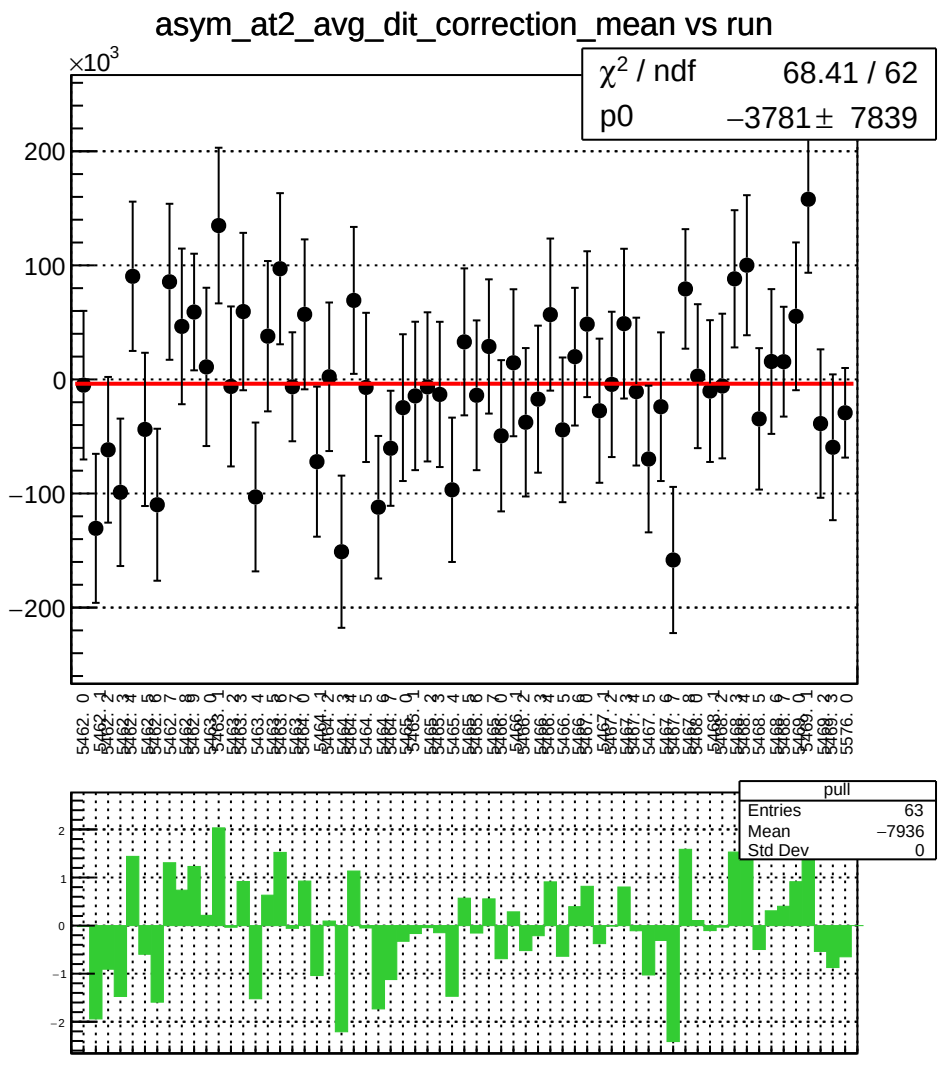

pull1D
Entries 63
Mean −0.004172
Std Dev 1.044

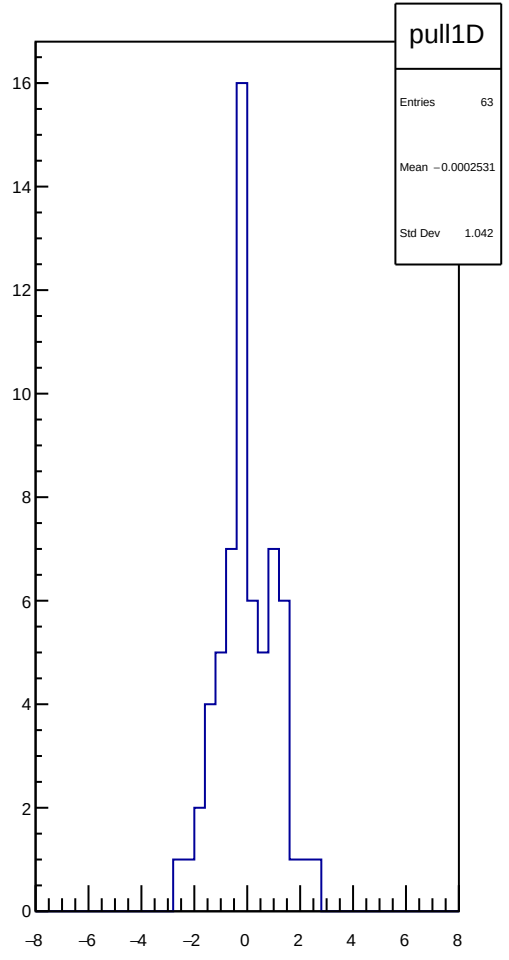

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7212 / 62
p0 5356 ± 4.882
6000
5500
5000
4500
4000

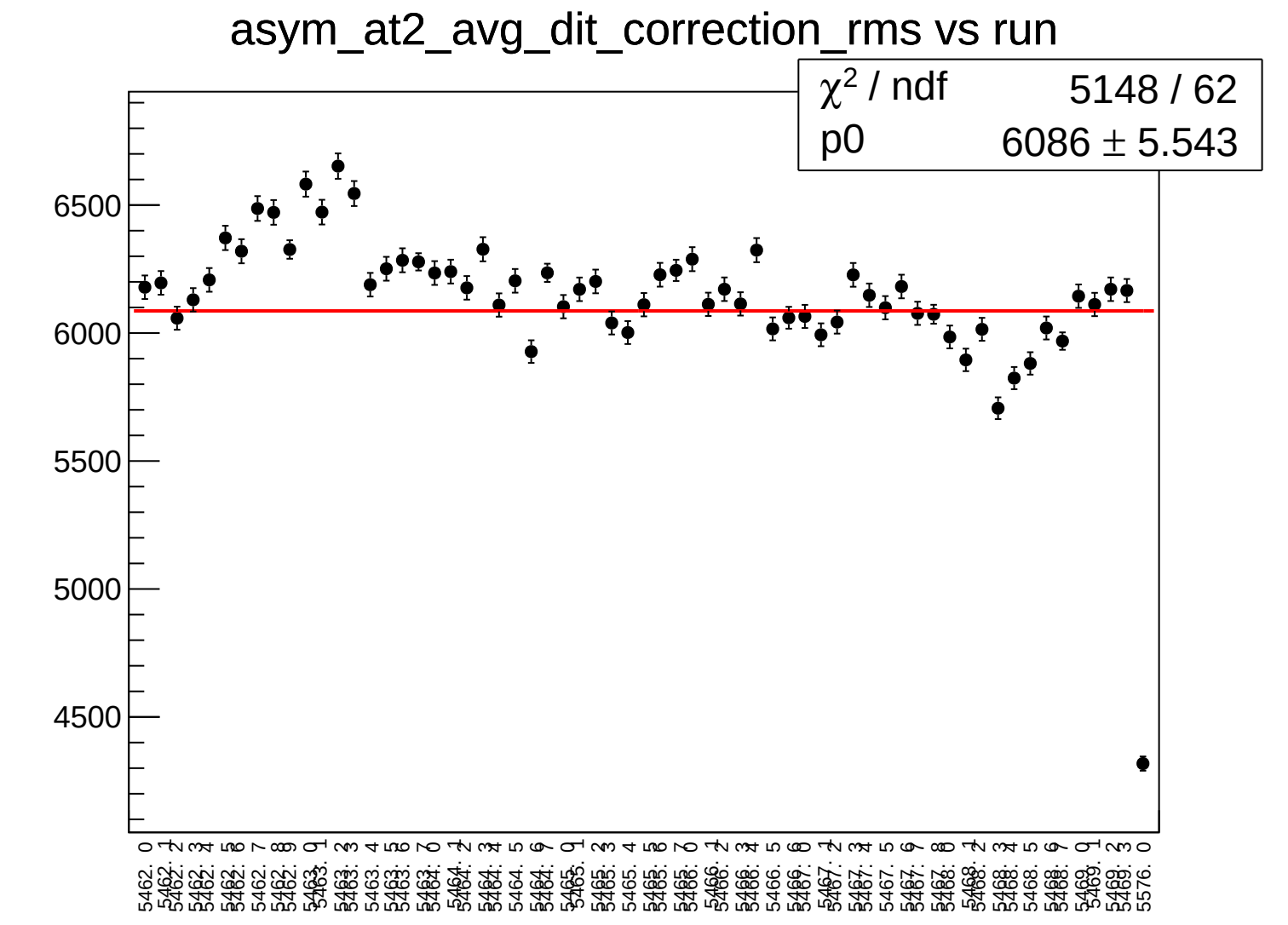

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 95.13 / 60
p0 2899 ± 2023
50
0
−50
−100
−150
−200
pull
Entries 61
Mean −31.17
Std Dev 0
3
2
1
0
−1
−2

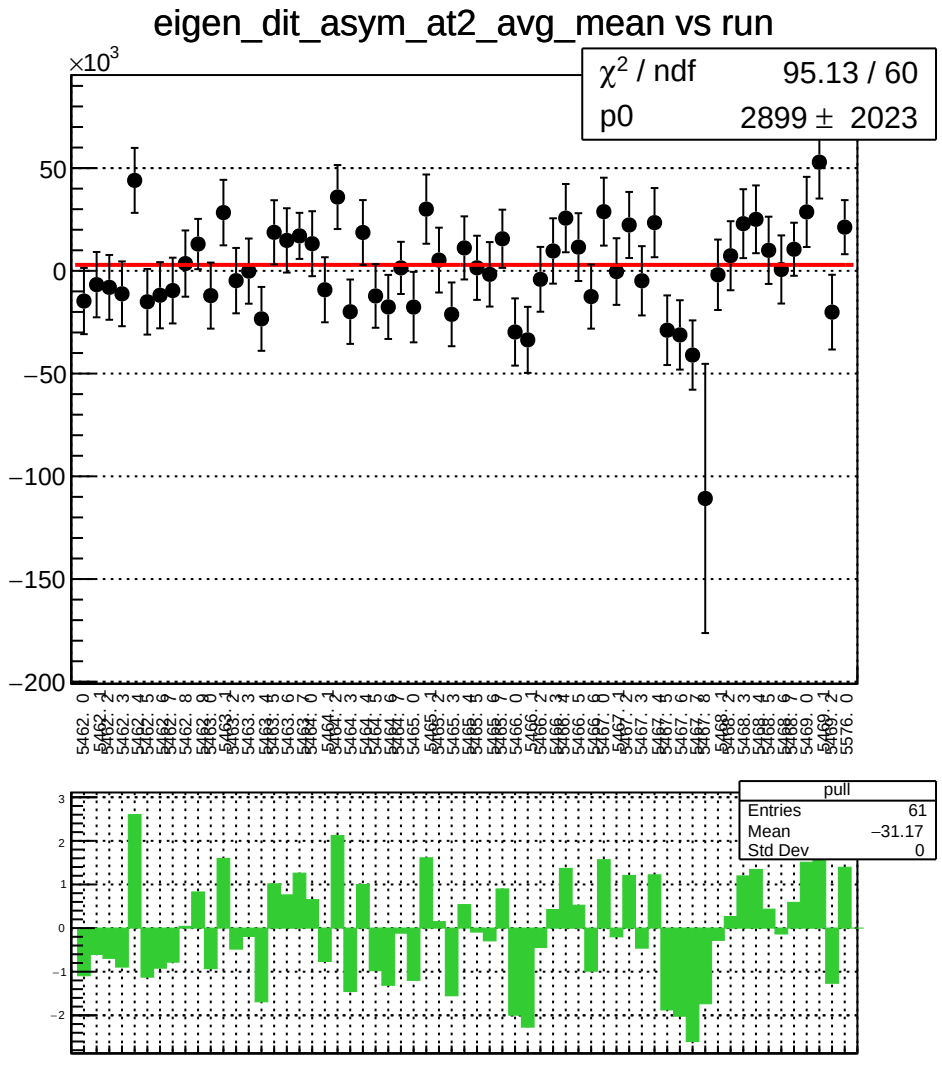

pull1D
Entries 61
Mean −0.04084
Std Dev 1.248
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

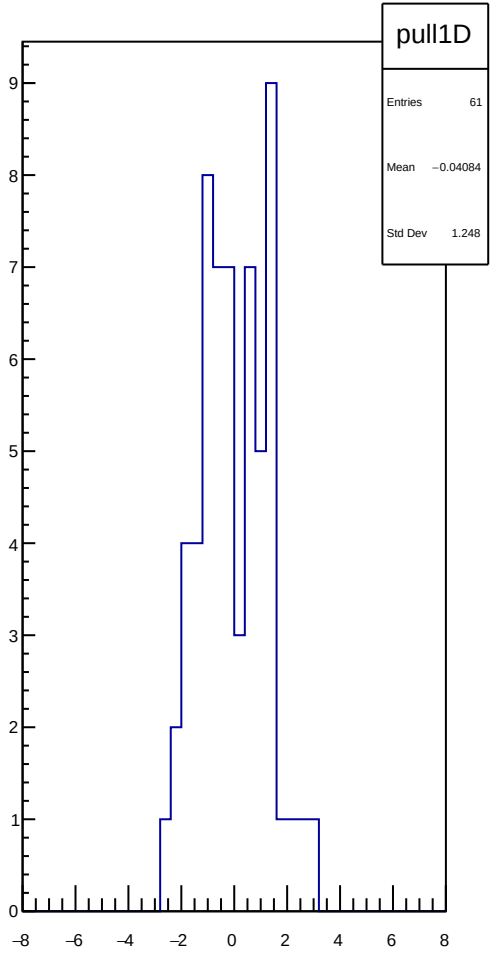

dit_asym_at2_avg_rms vs run
×10^3
χ^2 / ndf 5.398e+04 / 62
p0 1539 ± 1.431
100
80
60
40
20

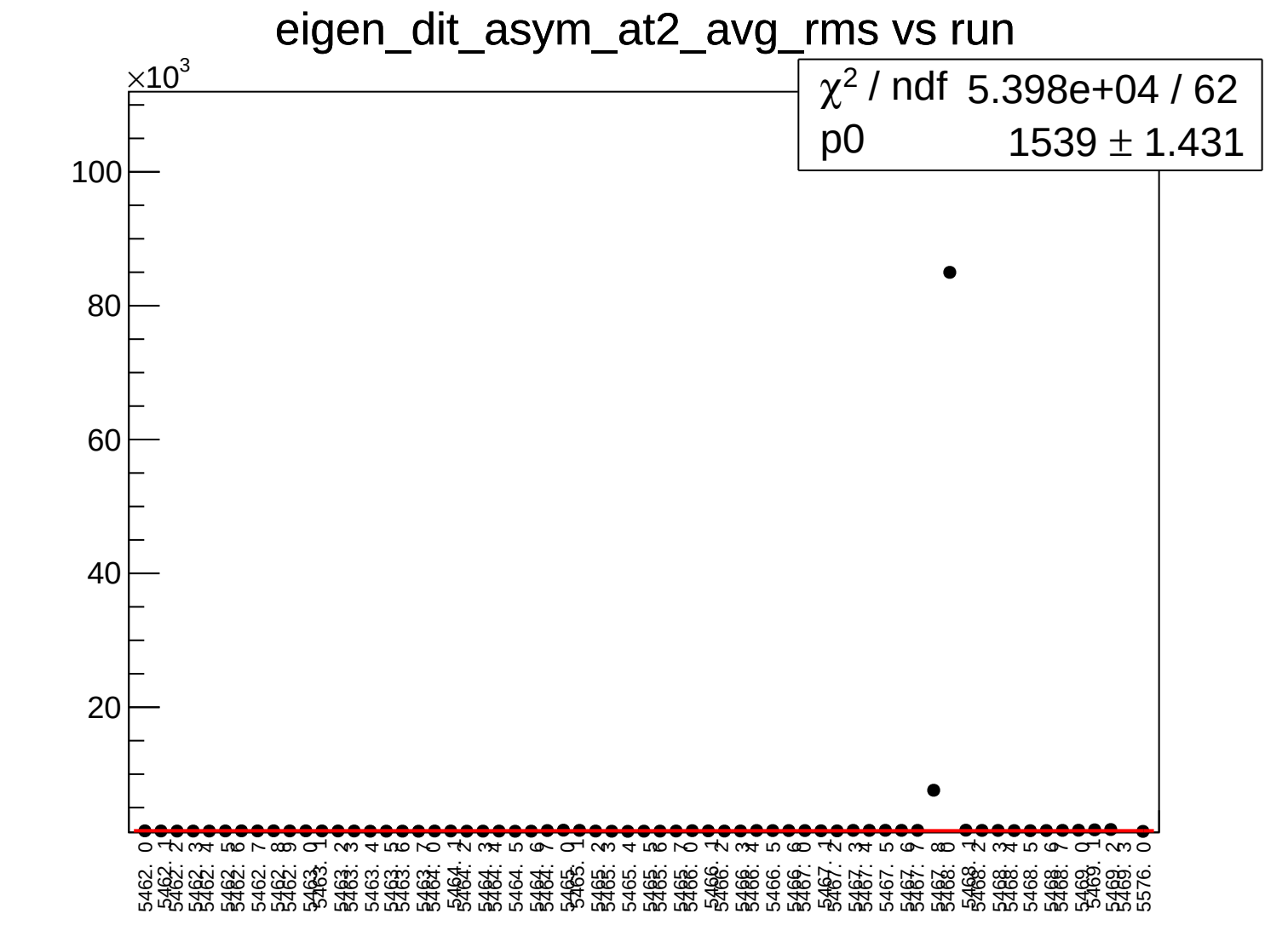

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 68.41 / 62
p0 −3781 ± 7839
200
100
0
−100
−200
pull
Entries 63
Mean −7936
Std Dev 0
2
1
0
−1
−2

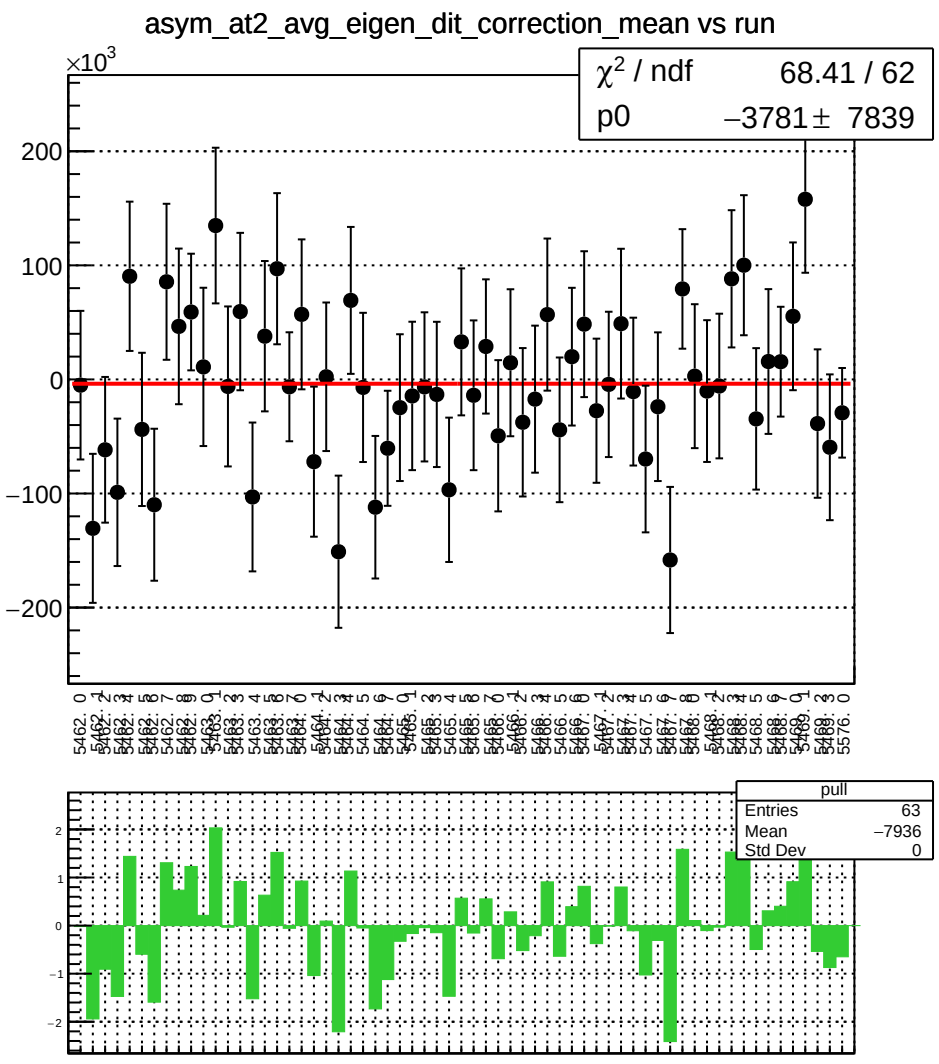

pull1D
Entries 63
Mean −0.0002531
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

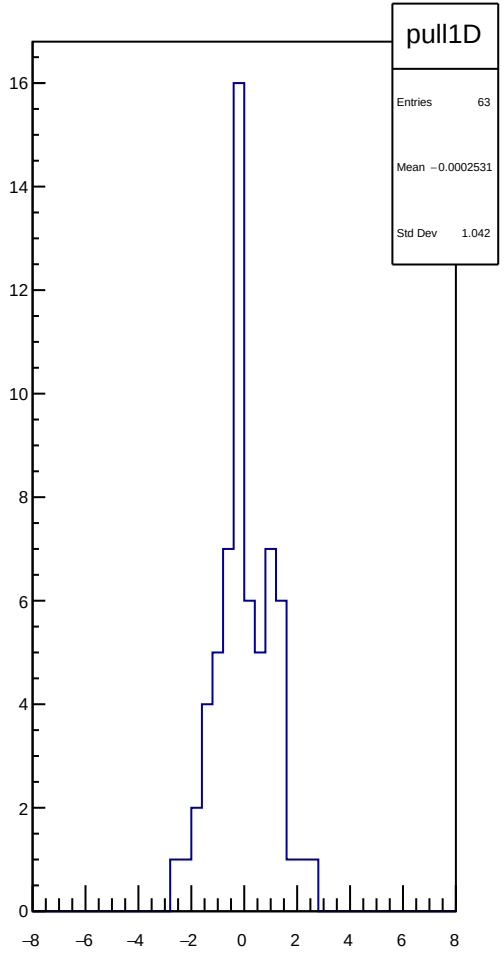

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 5148 / 62
p0 6086 ± 5.543
6500
6000
5500
5000
4500

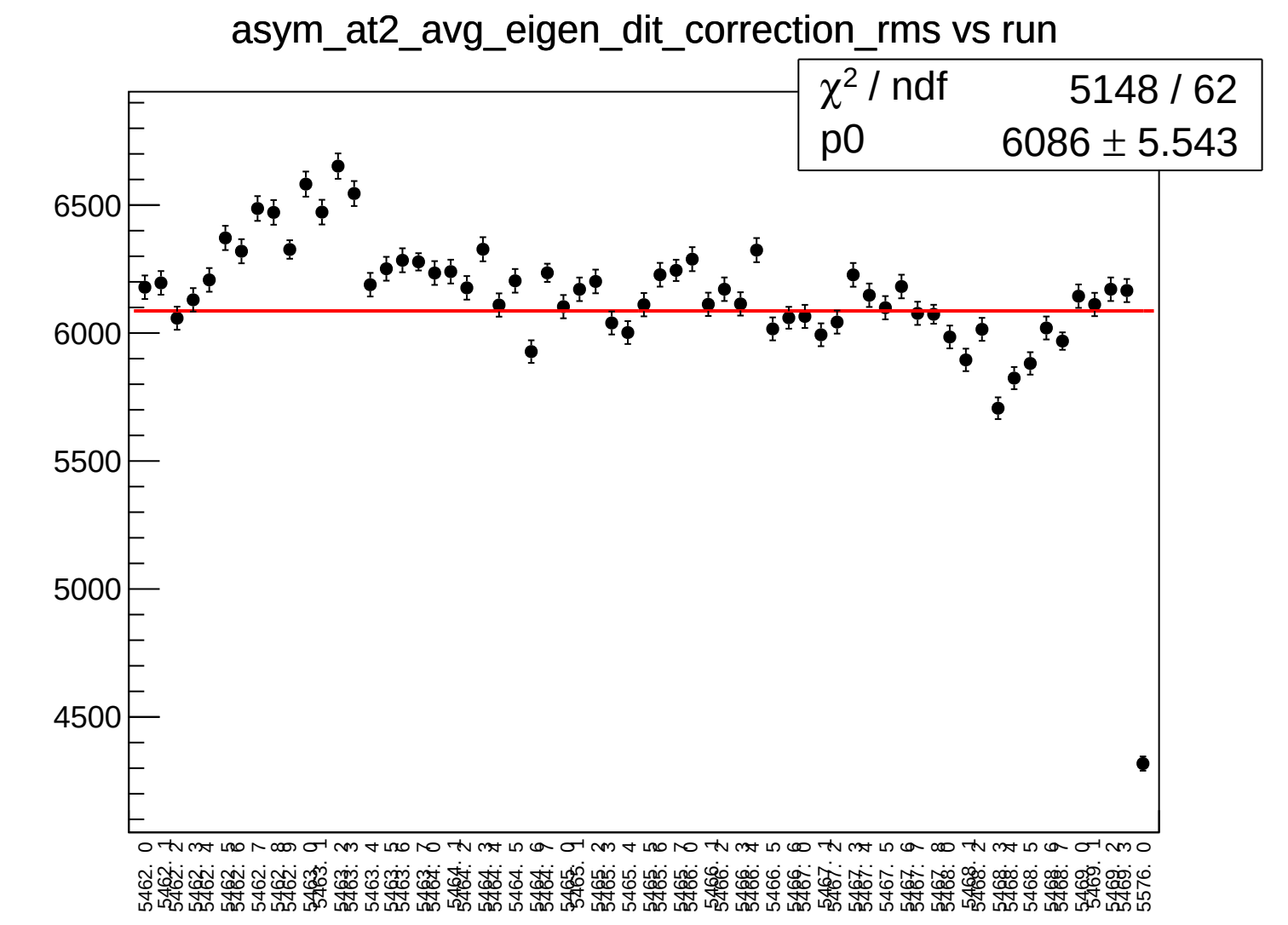

eigen_dit_asym_at2_avg_mean vs run
χ^2 / ndf 95.13 / 60
p0 2899 ± 2023
×10^3
pull
Entries 61
Mean −31.17
Std Dev 0

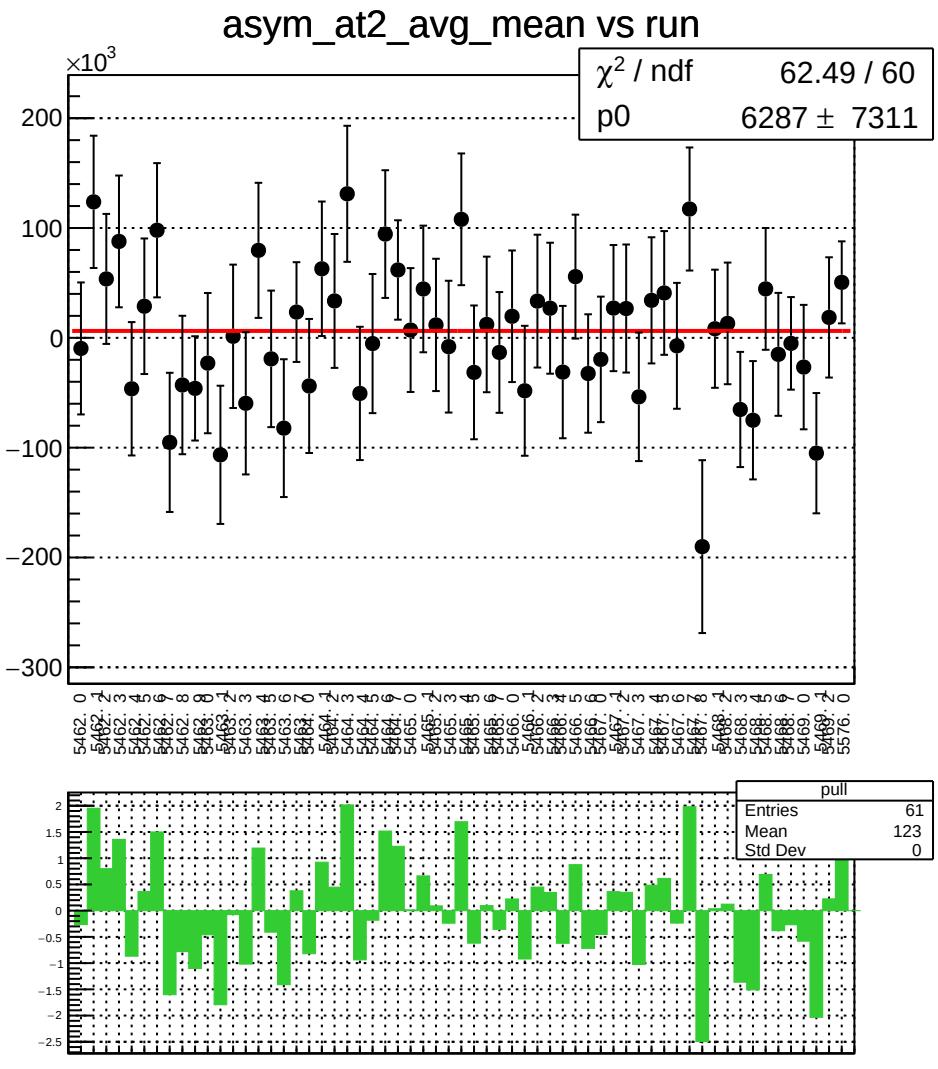

pull1D
Entries 61
Mean −0.04084
Std Dev 1.248

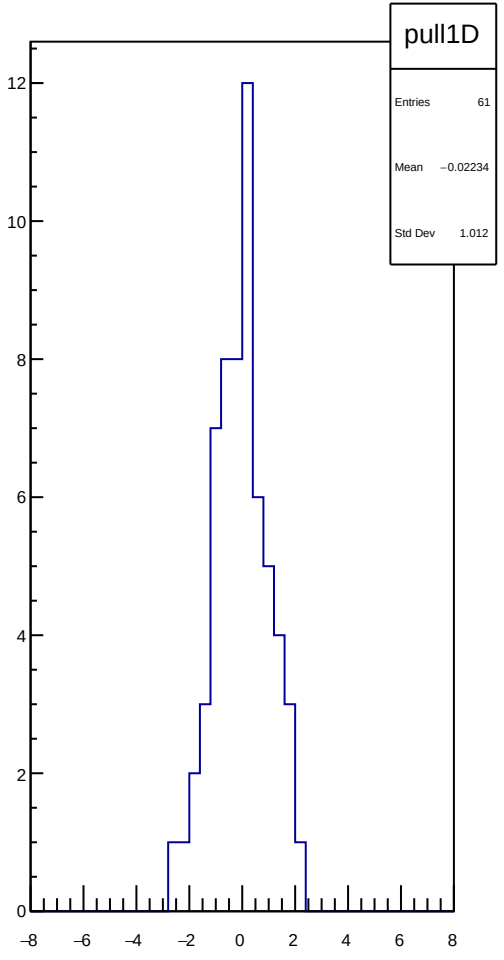

eigen_dit_asym_at2_avg_rms vs run
×10^3
χ^2 / ndf 5.398e+04 / 62
p0 1539 ± 1.431
100
80
60
40
20

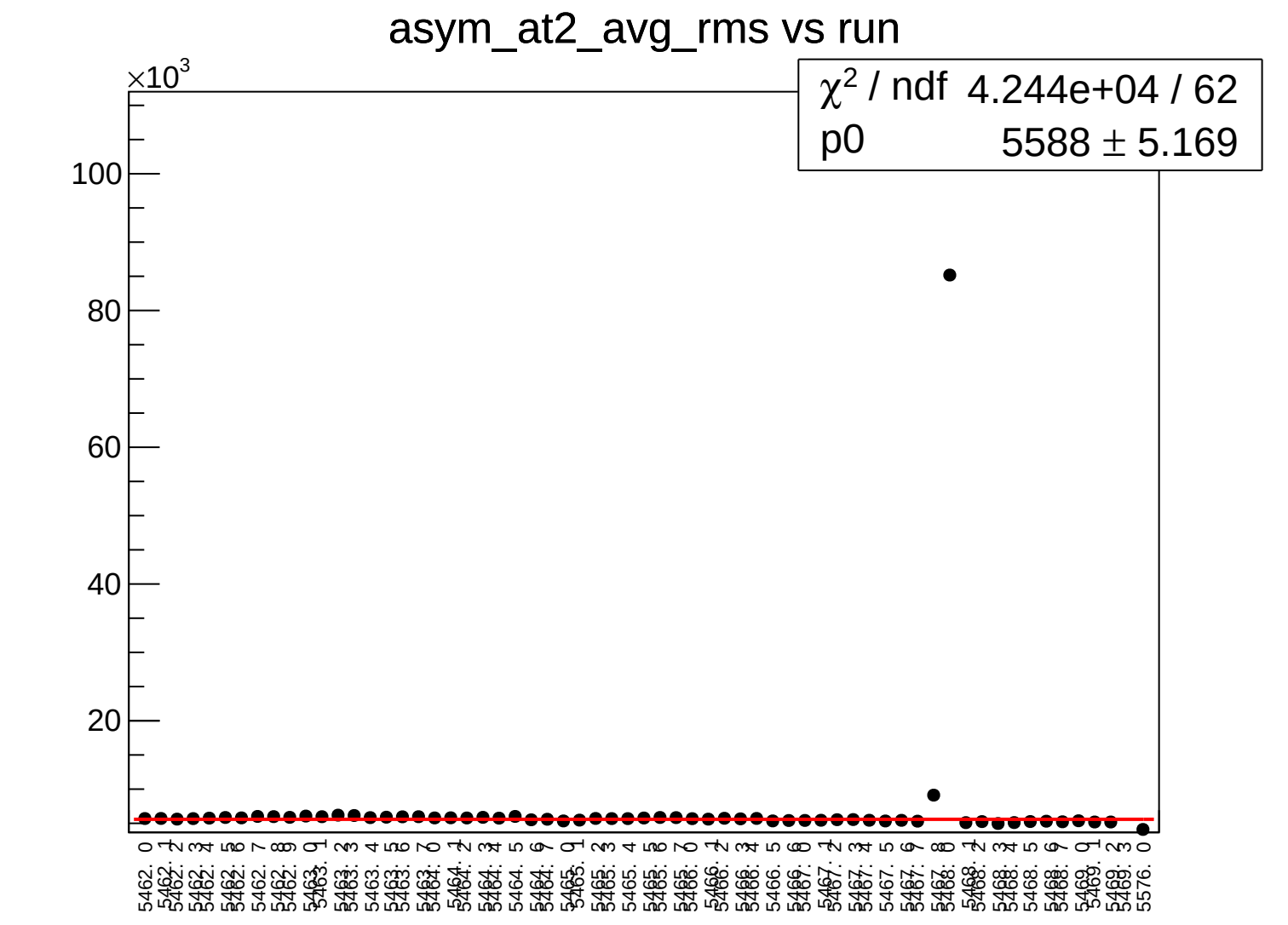

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.41 / 62
p0 −3781 ± 7839
200
100
0
−100
−200
pull
Entries 63
Mean −7936
Std Dev 0
2
1
0
−1
−2

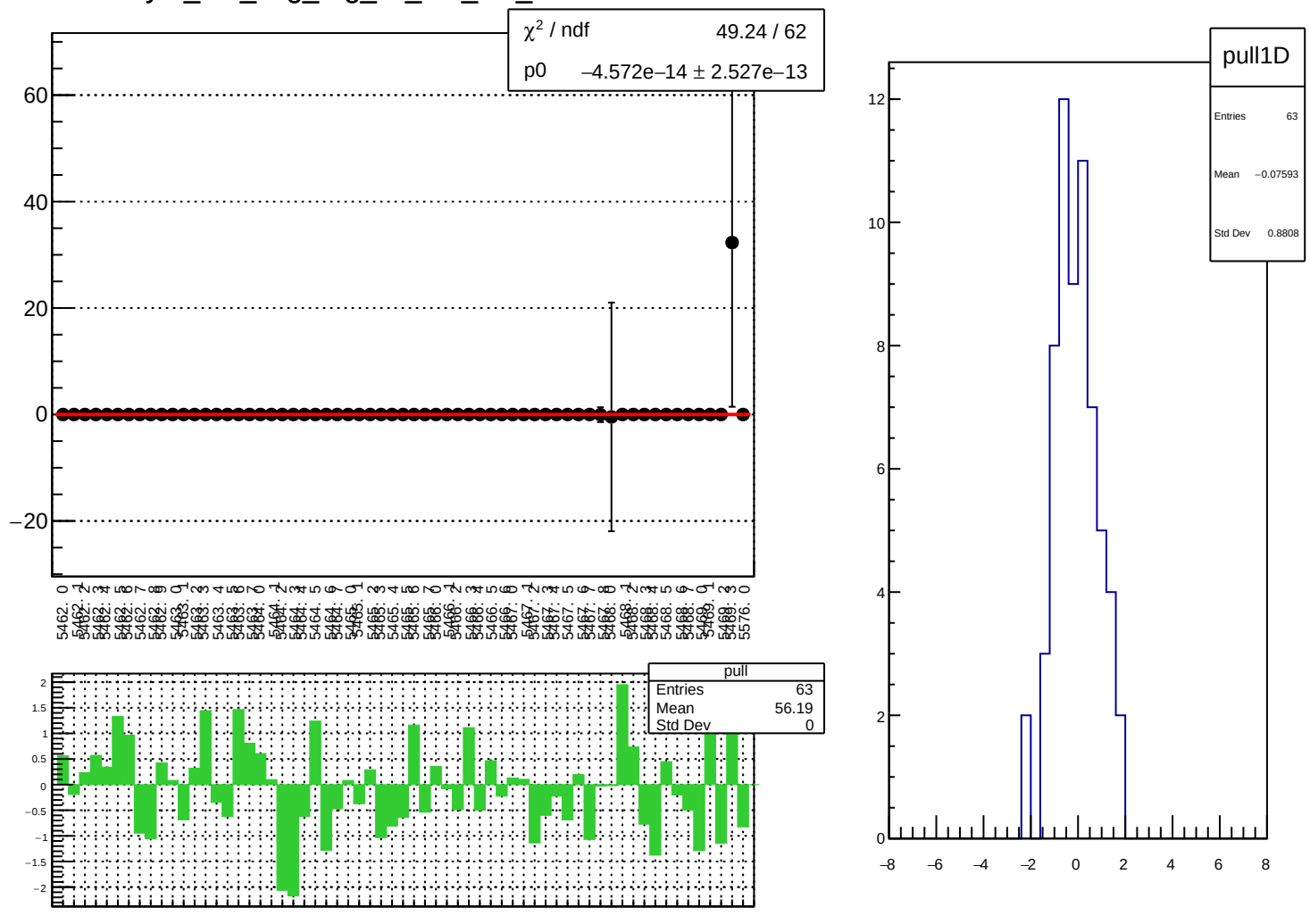

pull1D
Entries 63
Mean −0.0002531
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

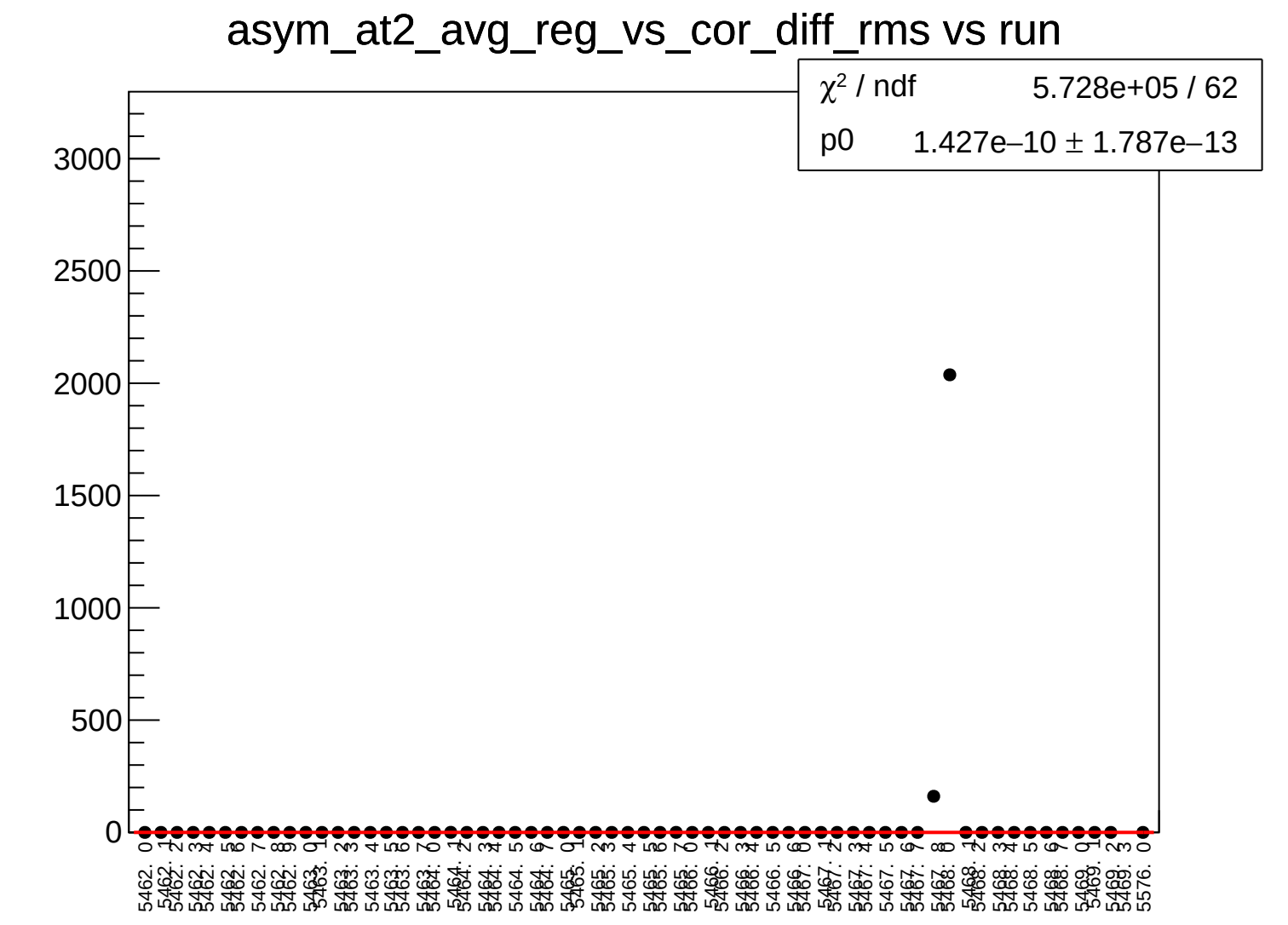

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5148 / 62
p0 6086 ± 5.543
6500
6000
5500
5000
4500

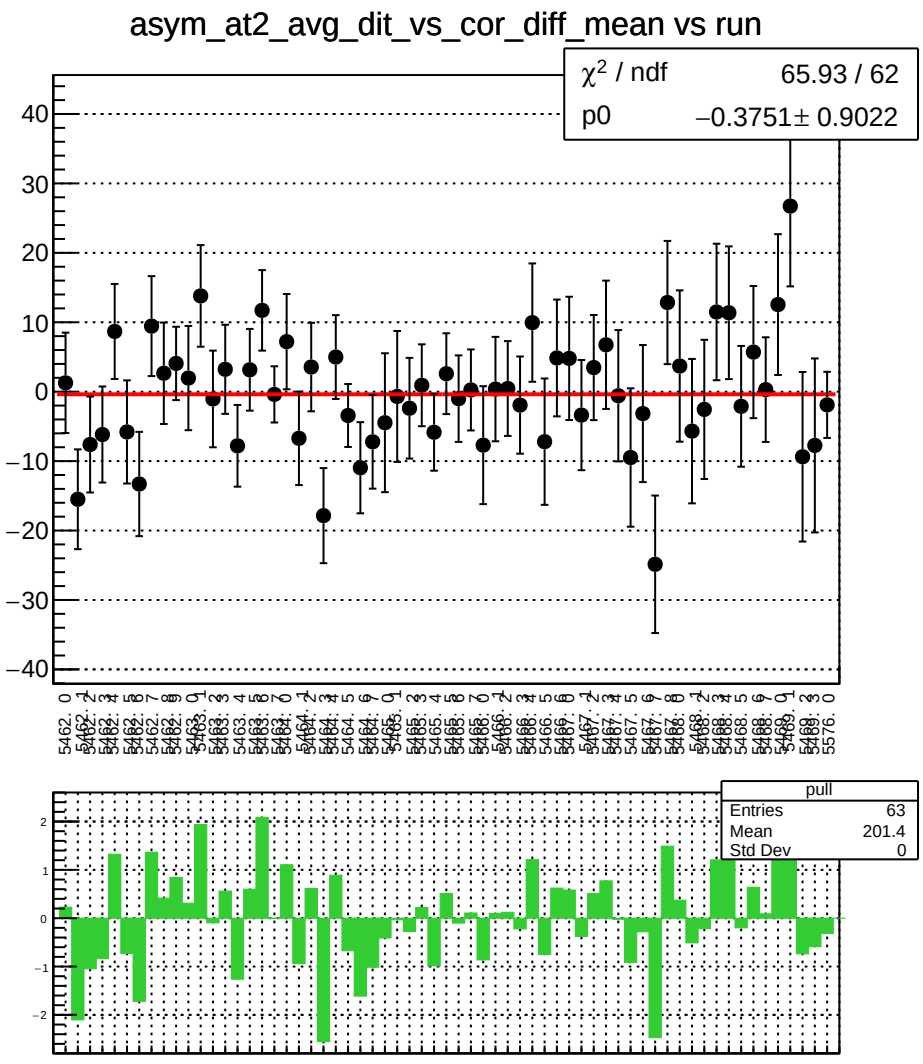

asym_at2_avg_mean vs run
×10^3
χ² / ndf 62.49 / 60
p0 6287 ± 7311
pull
Entries 61
Mean 123
Std Dev 0

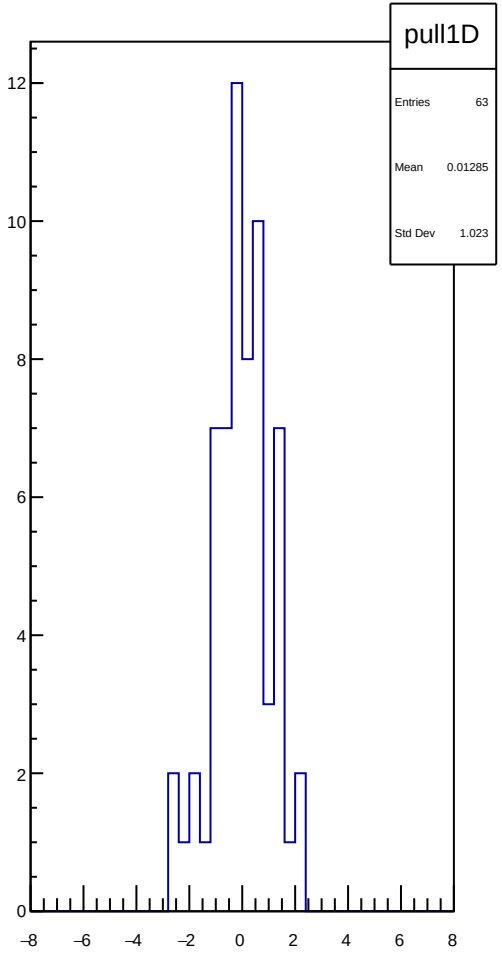

pull1D
Entries 61
Mean −0.02234
Std Dev 1.012

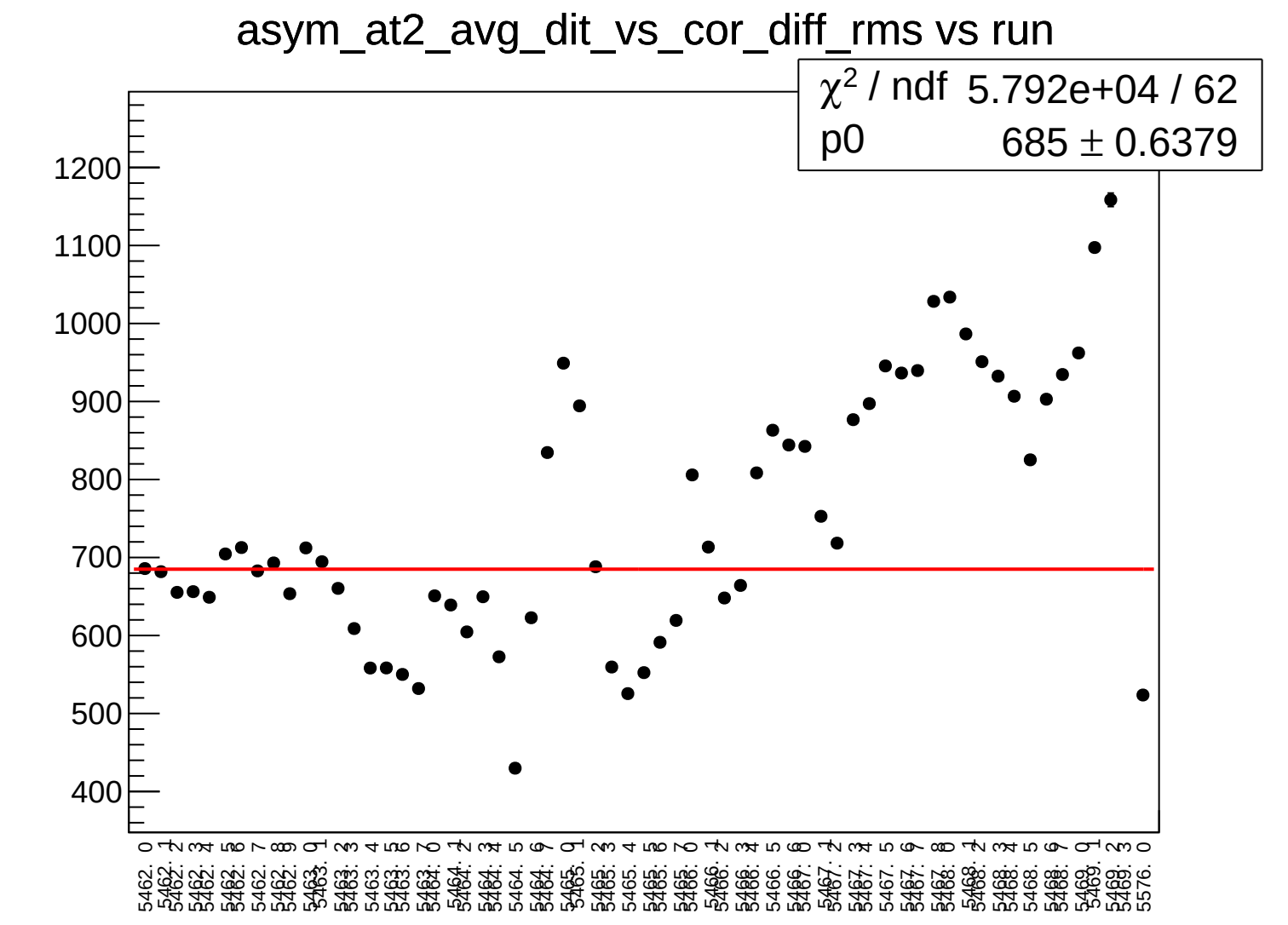

asym_at2_avg_rms vs run
×10^3
χ^2 / ndf 4.244e+04 / 62
p0 5588 ± 5.169
100
80
60
40
20

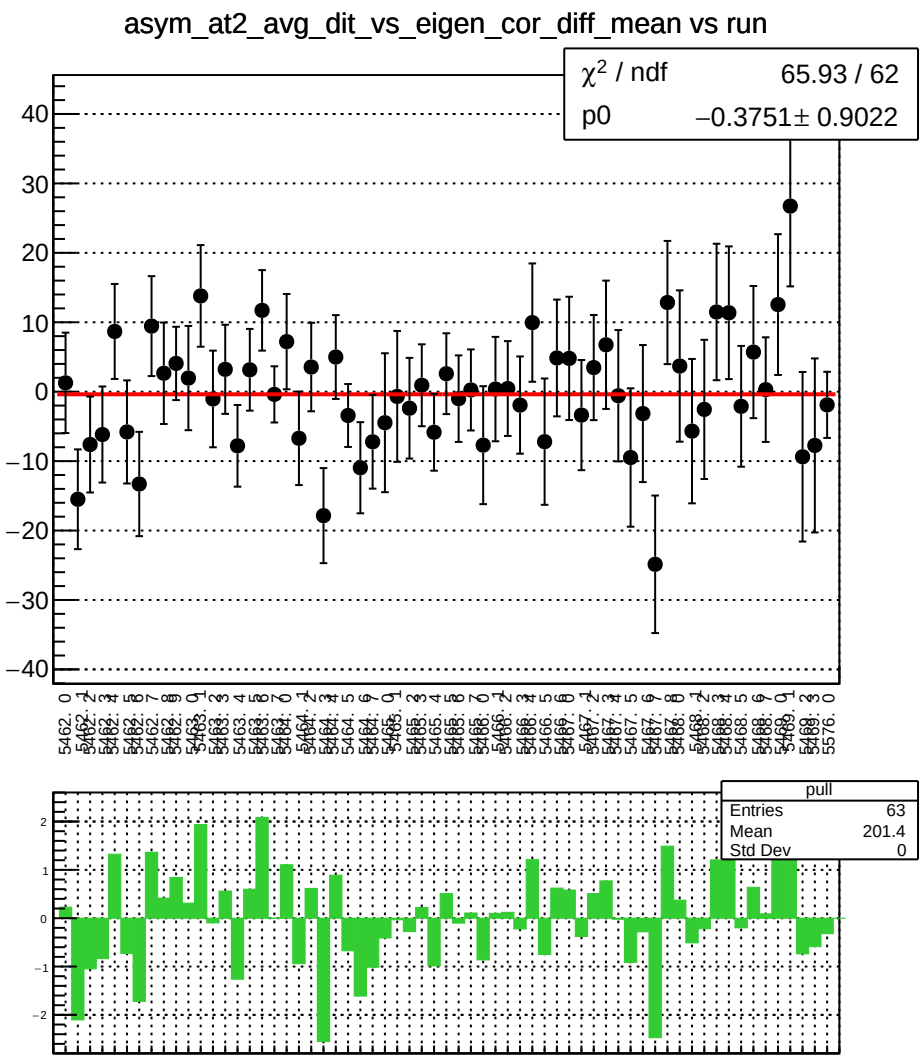

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.24 / 62
p0 −4.572e−14 ± 2.527e−13
pull
Entries 63
Mean 56.19
Std Dev 0
pull1D
Entries 63
Mean −0.07593
Std Dev 0.8808

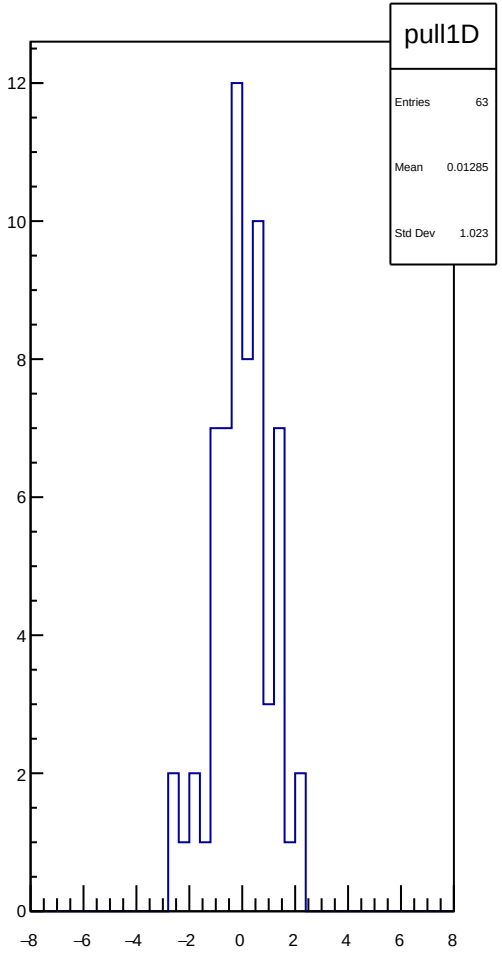

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.728e+05 / 62
p0 1.427e−10 ± 1.787e−13
3000
2500
2000
1500
1000
500
0

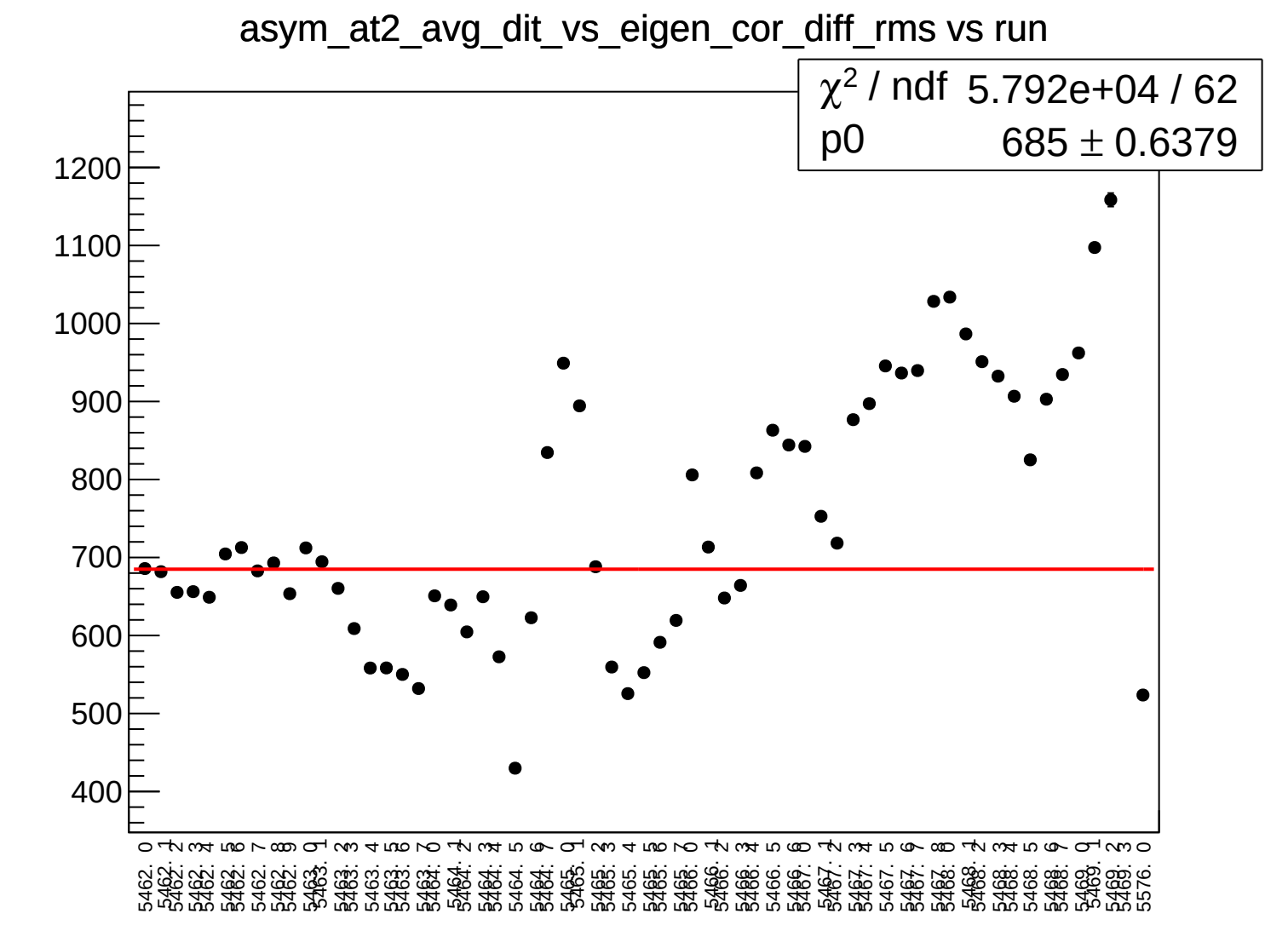

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.93 / 62
p0 −0.3751± 0.9022
pull
Entries 63
Mean 201.4
Std Dev 0

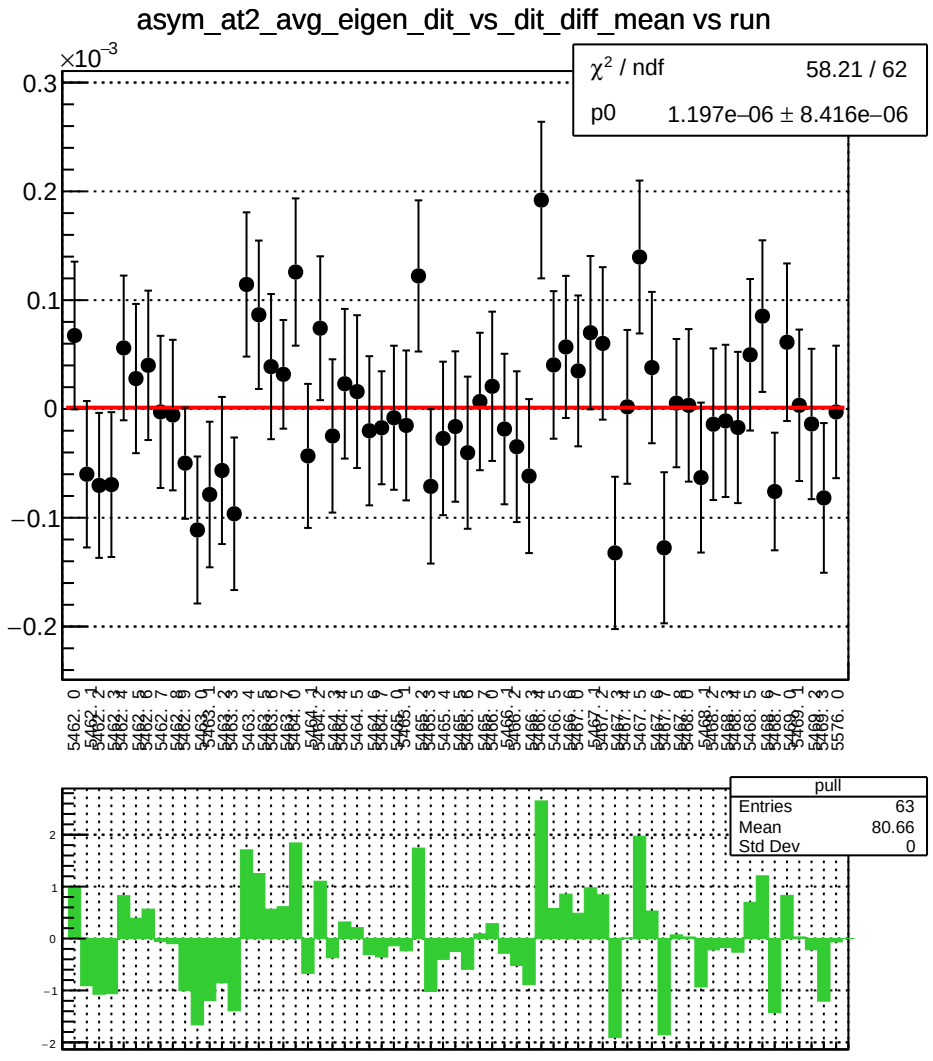

pull1D
Entries 63
Mean 0.01285
Std Dev 1.023

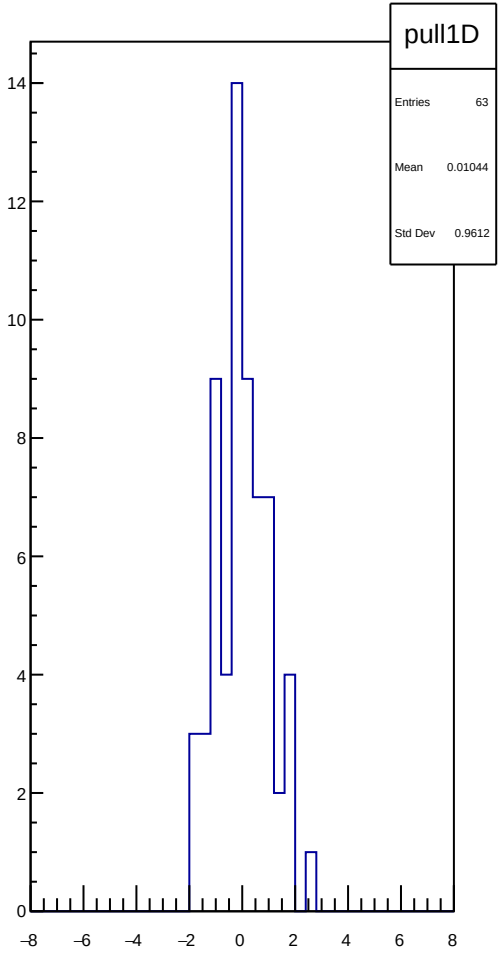

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.792e+04 / 62
p0 685 ± 0.6379
1200
1100
1000
900
800
700
600
500
400

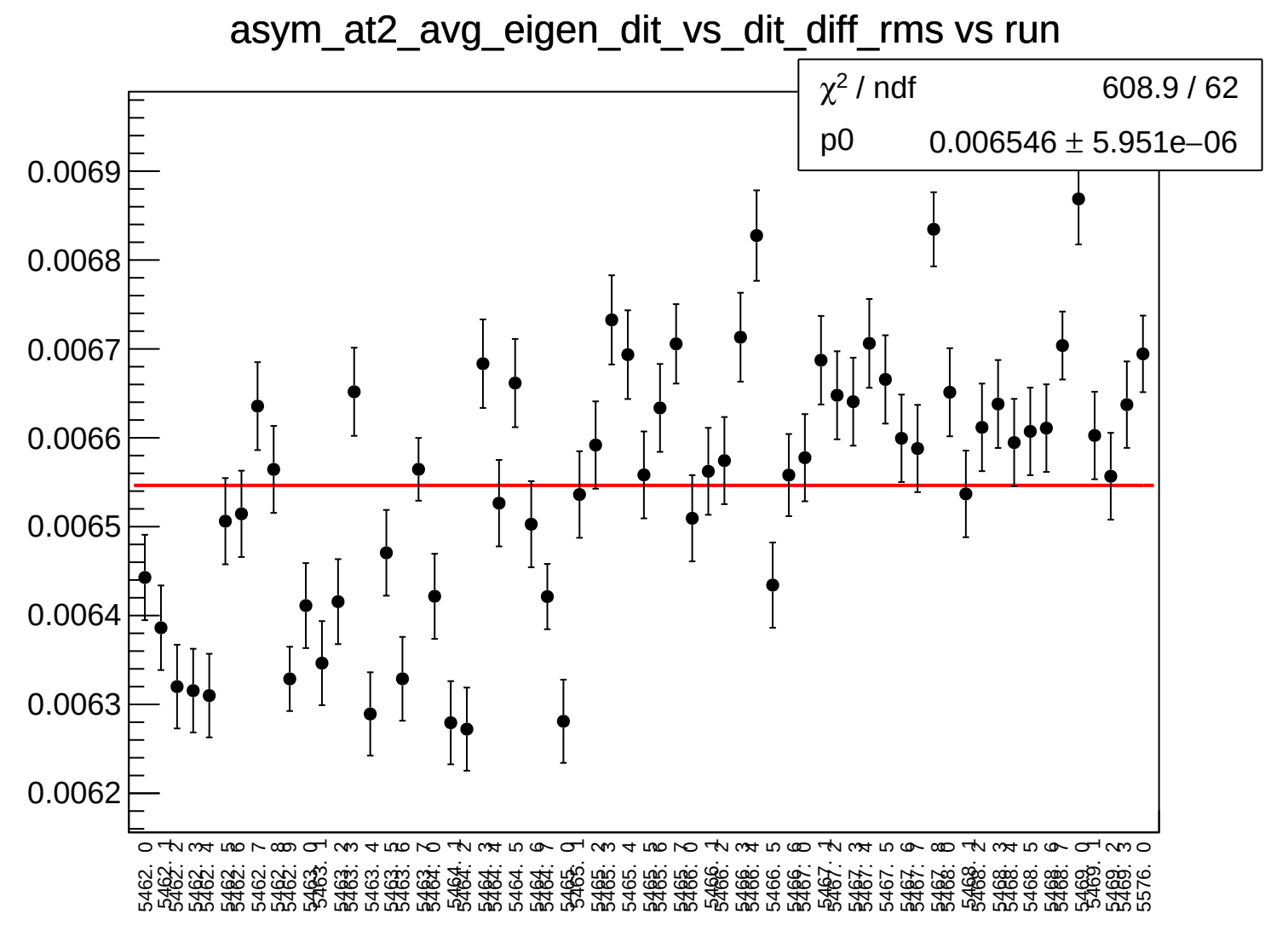

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.93 / 62
p0 −0.3751± 0.9022
pull
Entries 63
Mean 201.4
Std Dev 0

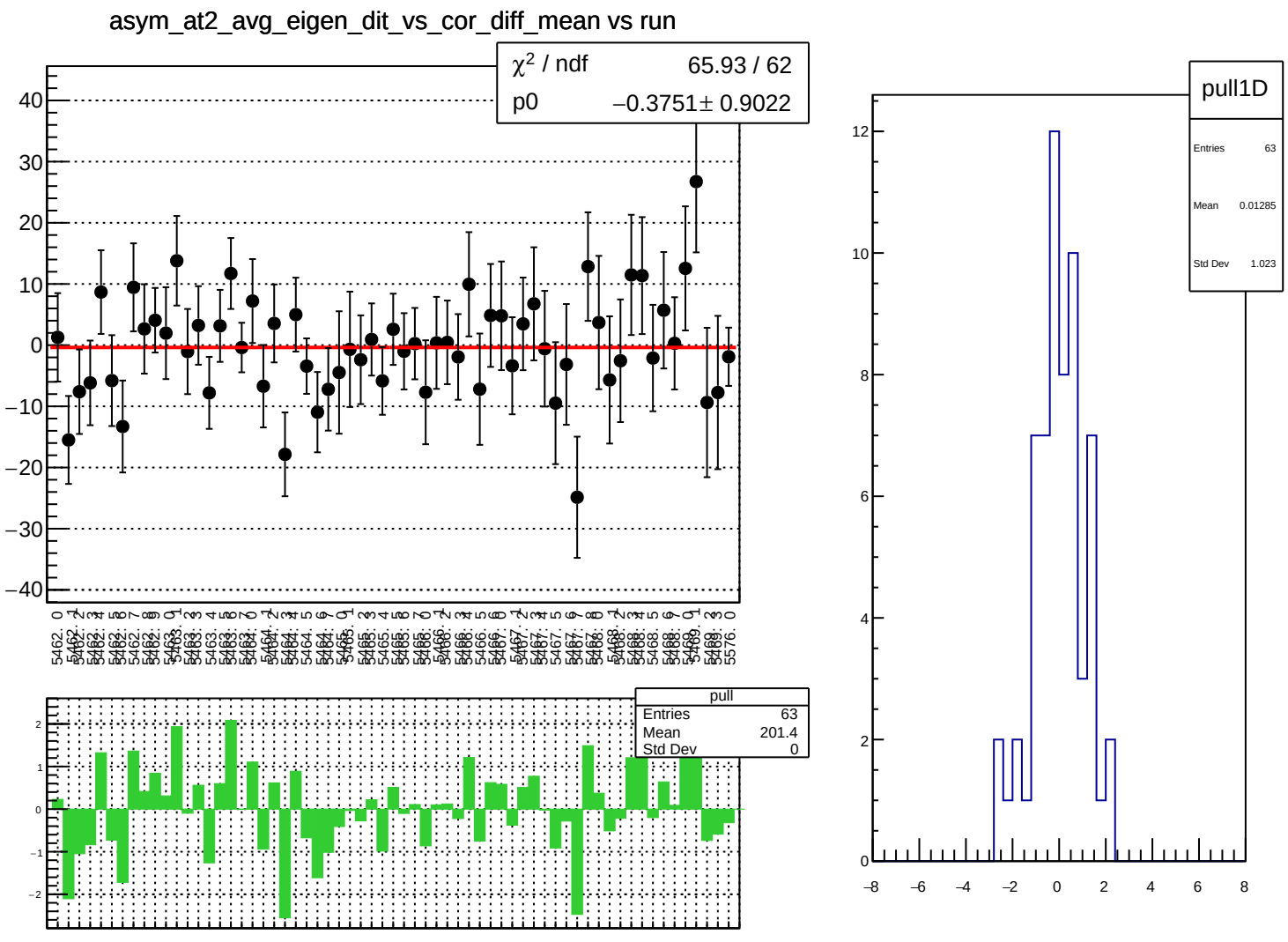

pull1D
Entries 63
Mean 0.01285
Std Dev 1.023

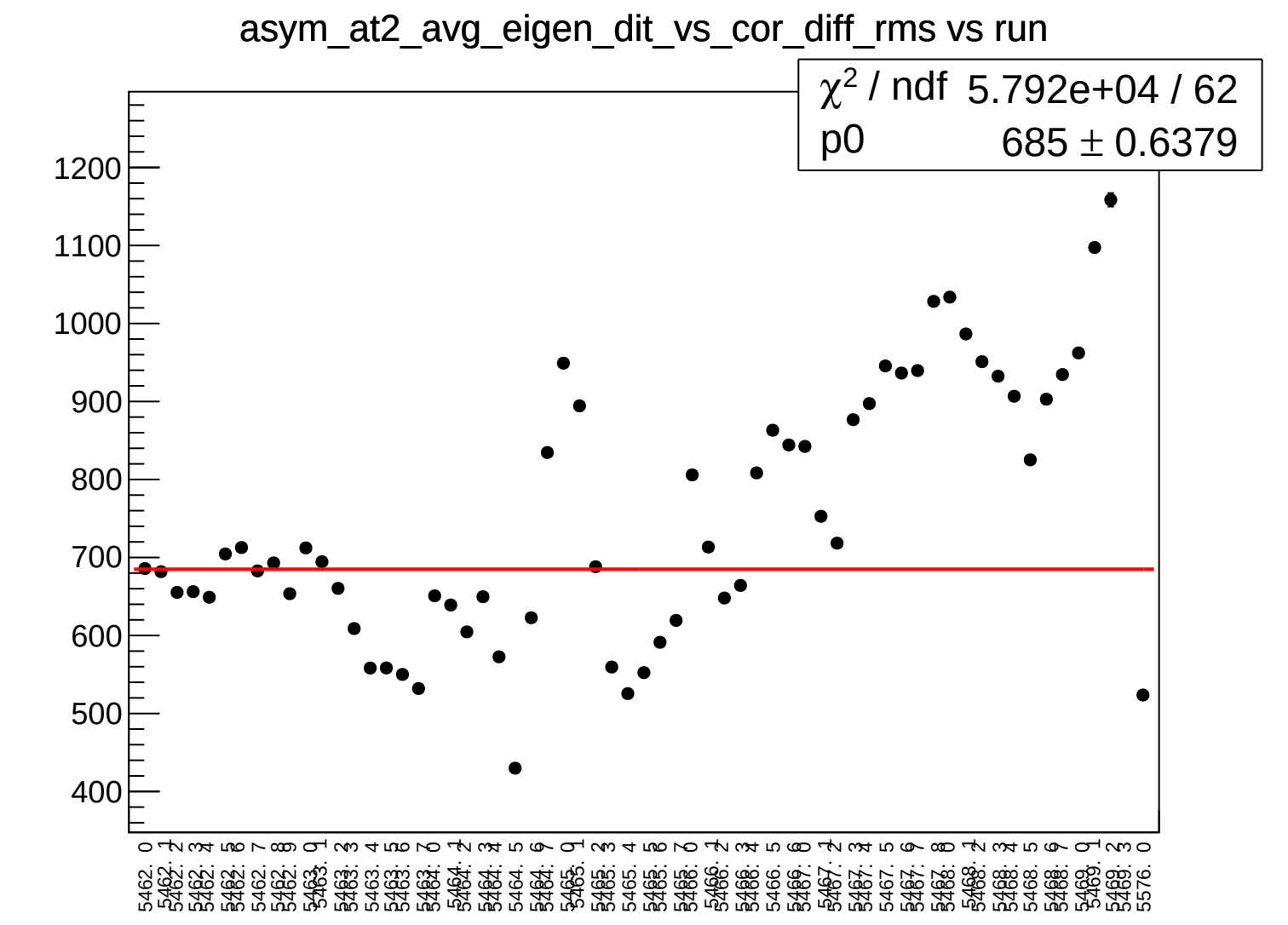

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.792e+04 / 62
p0 685 ± 0.6379
1200
1100
1000
900
800
700
600
500
400

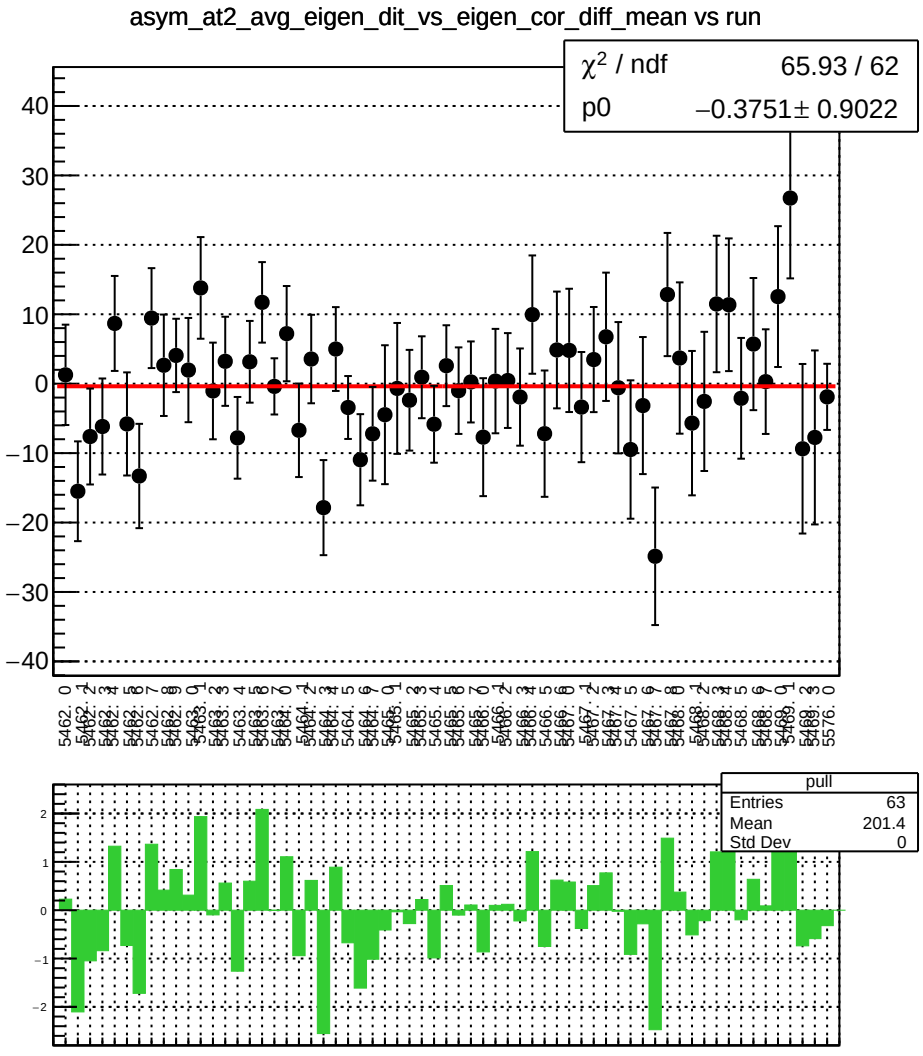

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.21 / 62
p0 1.197e−06 ± 8.416e−06
pull
Entries 63
Mean 80.66
Std Dev 0

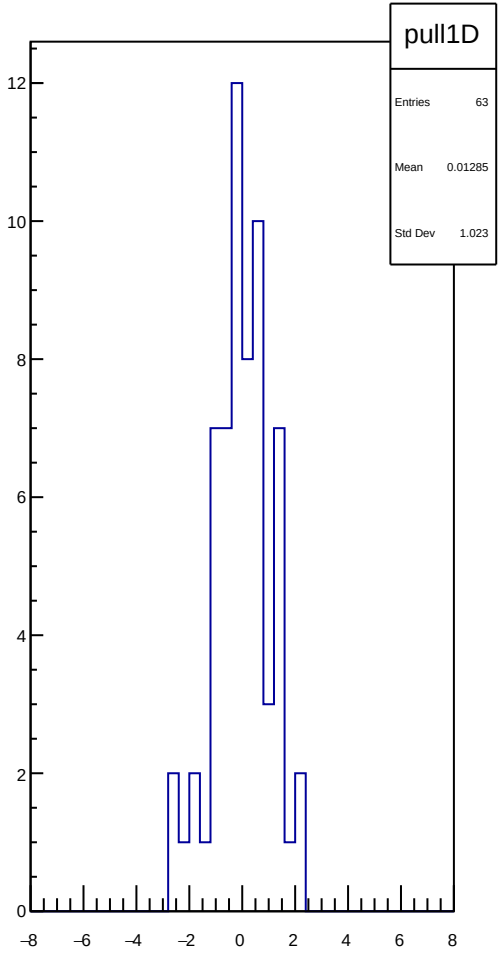

pull1D
Entries 63
Mean 0.01044
Std Dev 0.9612

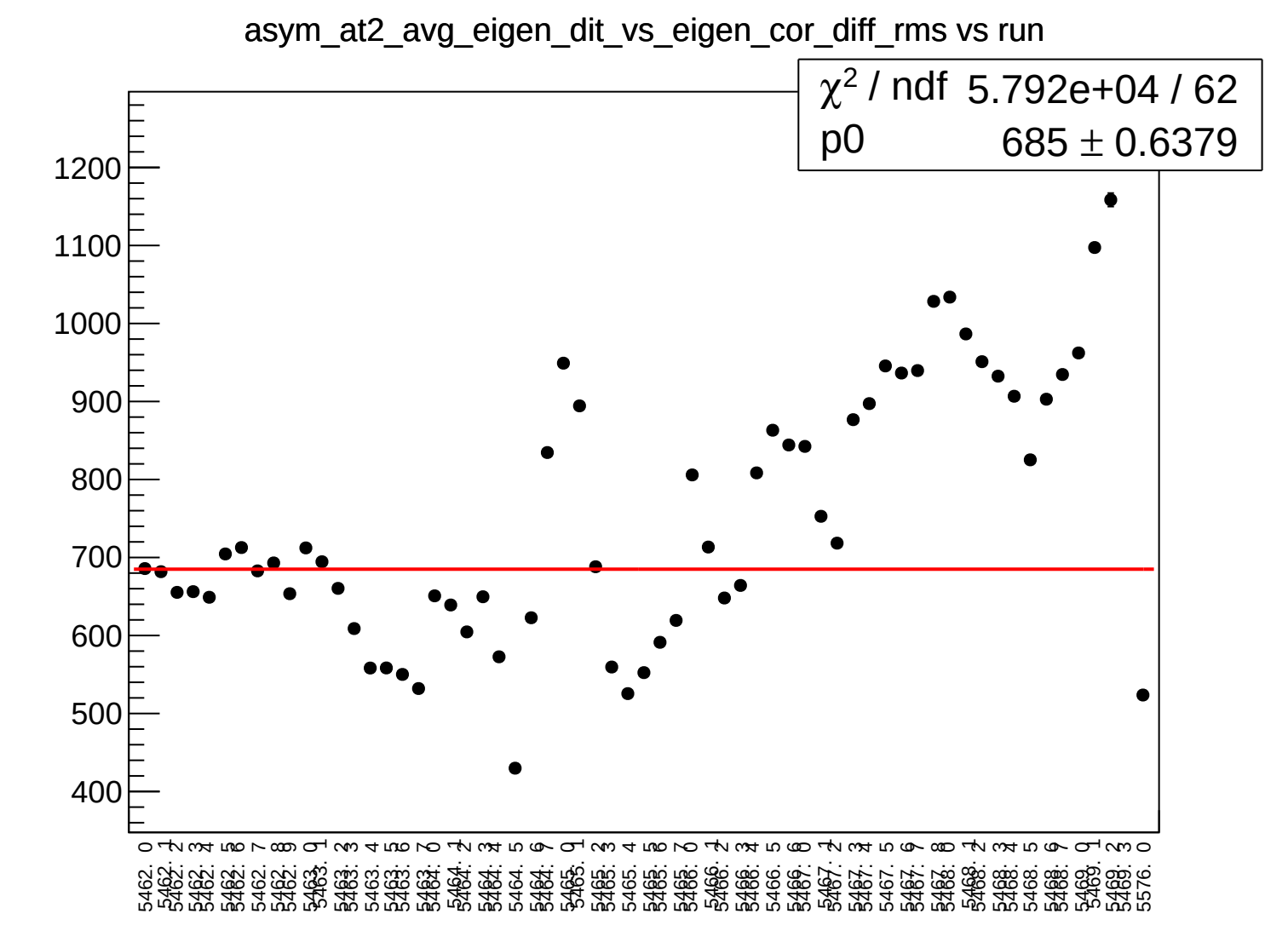

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 608.9 / 62
p0 0.006546 ± 5.951e−06
0.0069
0.0068
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062

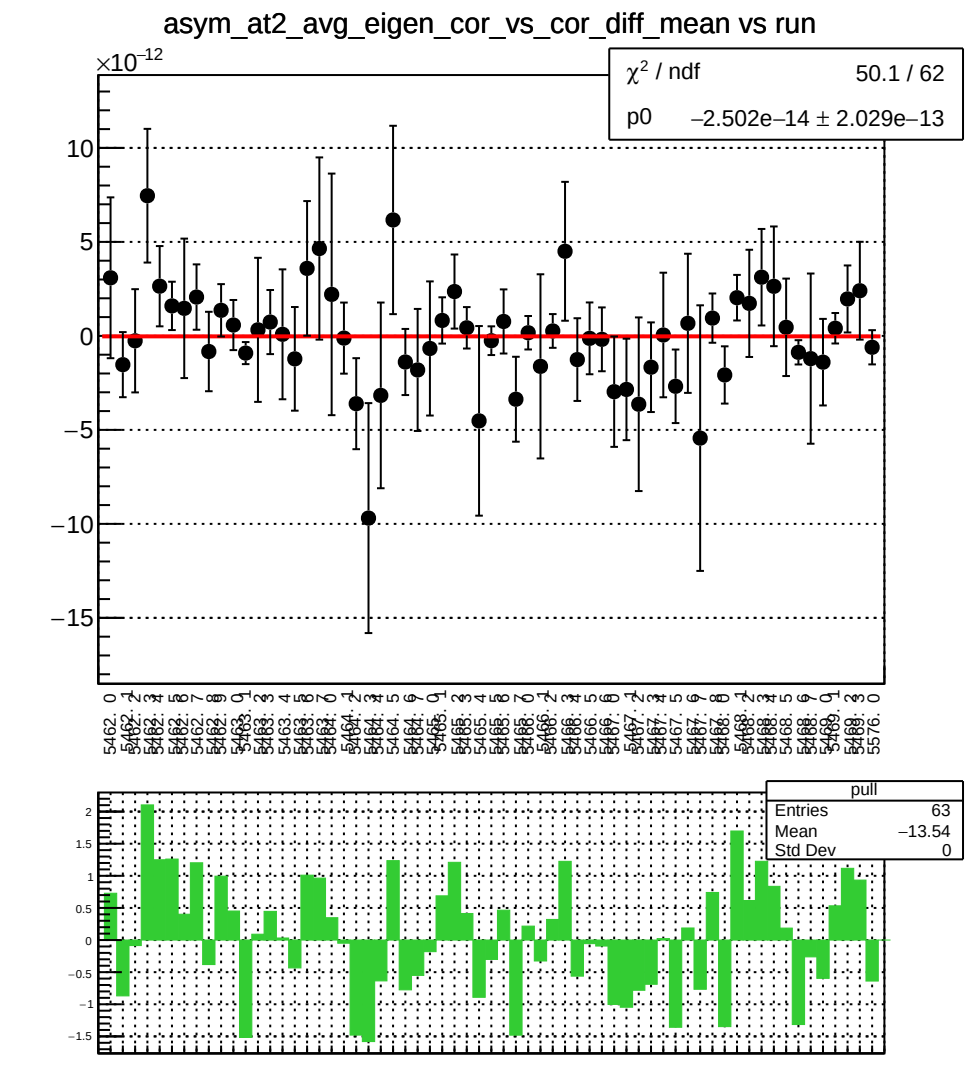

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.93 / 62
p0 −0.3751± 0.9022
pull
Entries 63
Mean 201.4
Std Dev 0
pull1D
Entries 63
Mean 0.01285
Std Dev 1.023

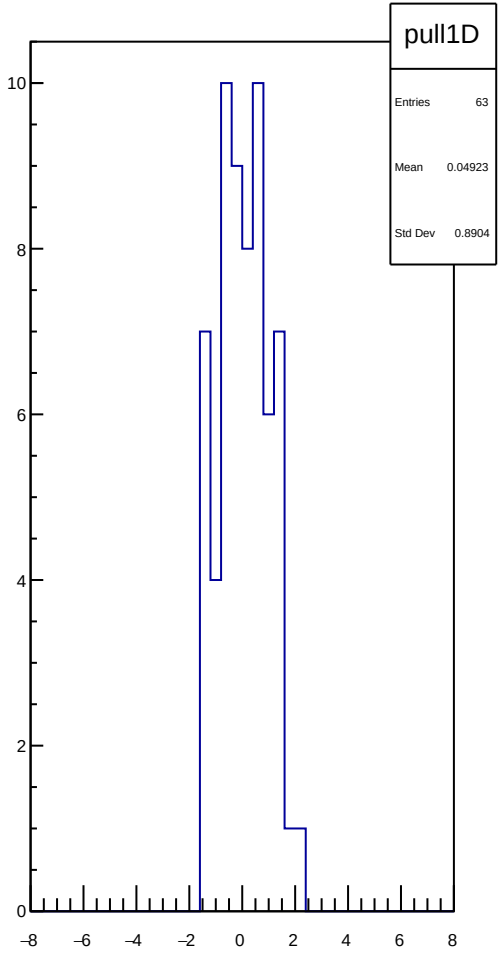

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.792e+04 / 62
p0 685 ± 0.6379
1200
1100
1000
900
800
700
600
500
400

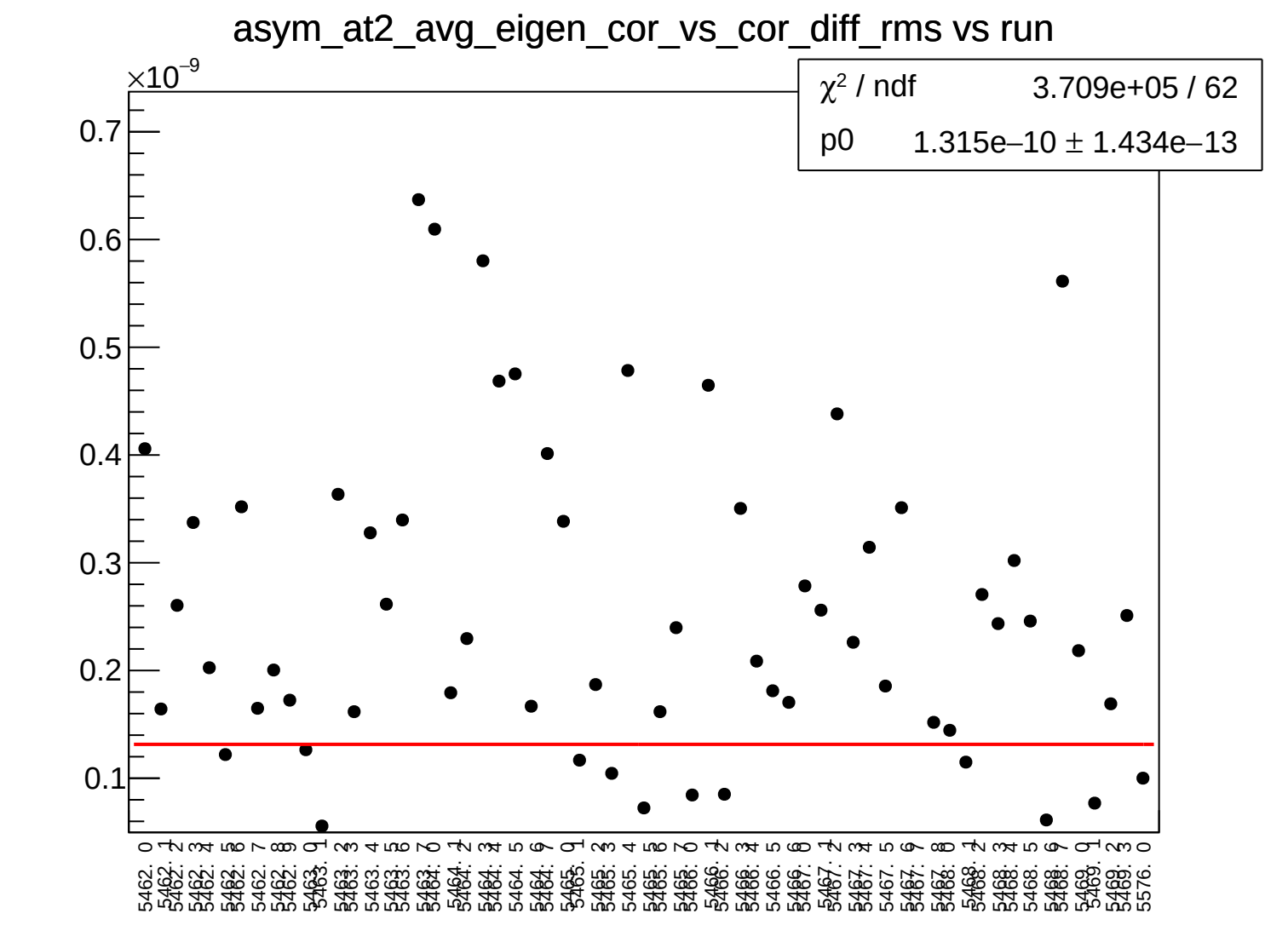

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.93 / 62
p0 −0.3751± 0.9022
pull
Entries 63
Mean 201.4
Std Dev 0

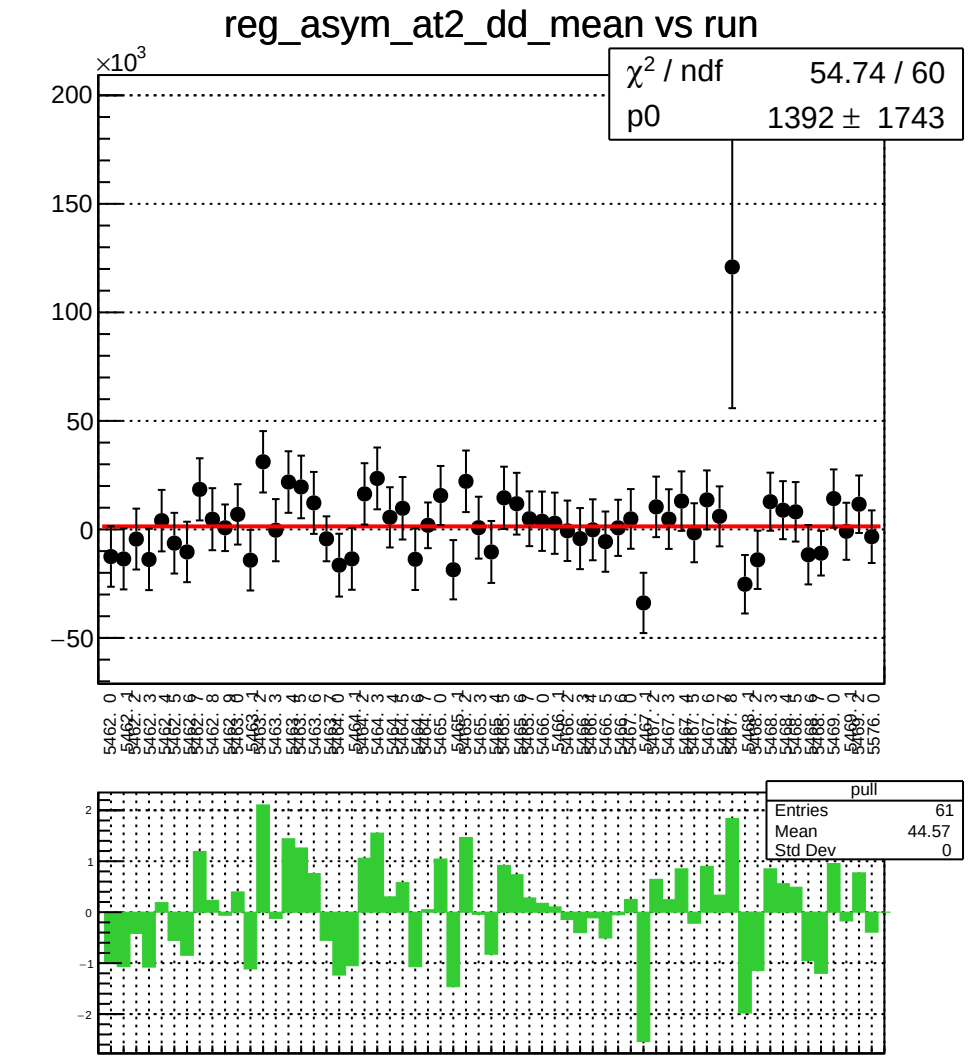

pull1D
Entries 63
Mean 0.01285
Std Dev 1.023

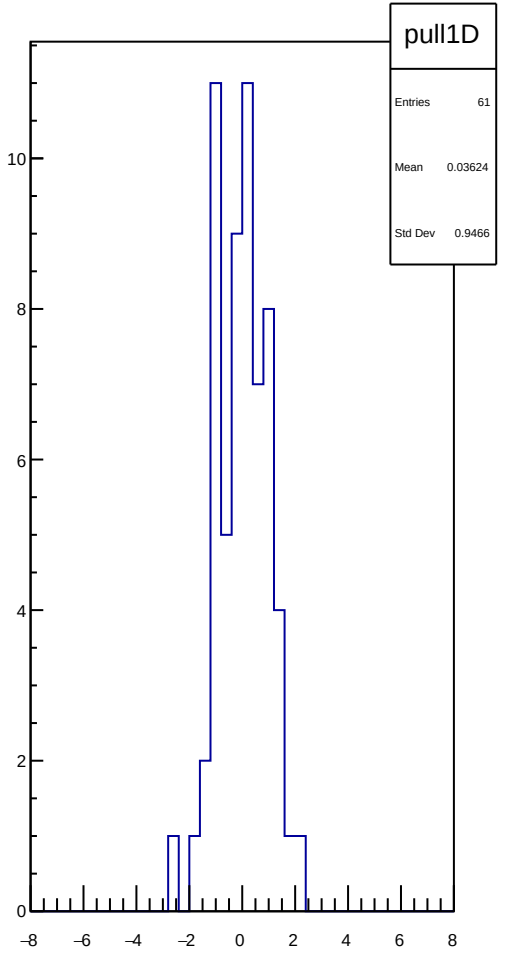

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.792e+04 / 62
p0 685 ± 0.6379
1200
1100
1000
900
800
700
600
500
400

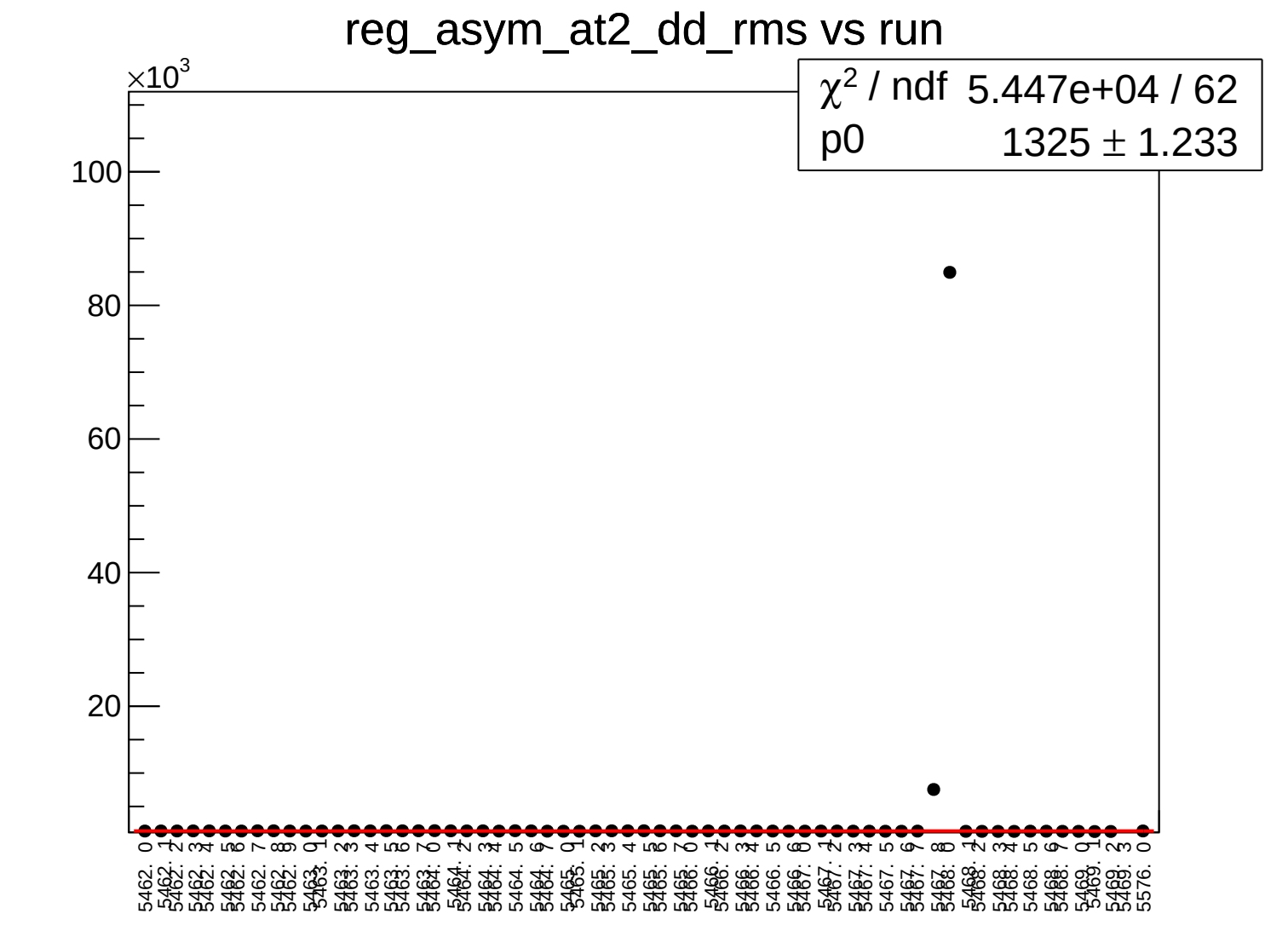

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 50.1 / 62
p0 −2.502e−14 ± 2.029e−13
pull
Entries 63
Mean −13.54
Std Dev 0

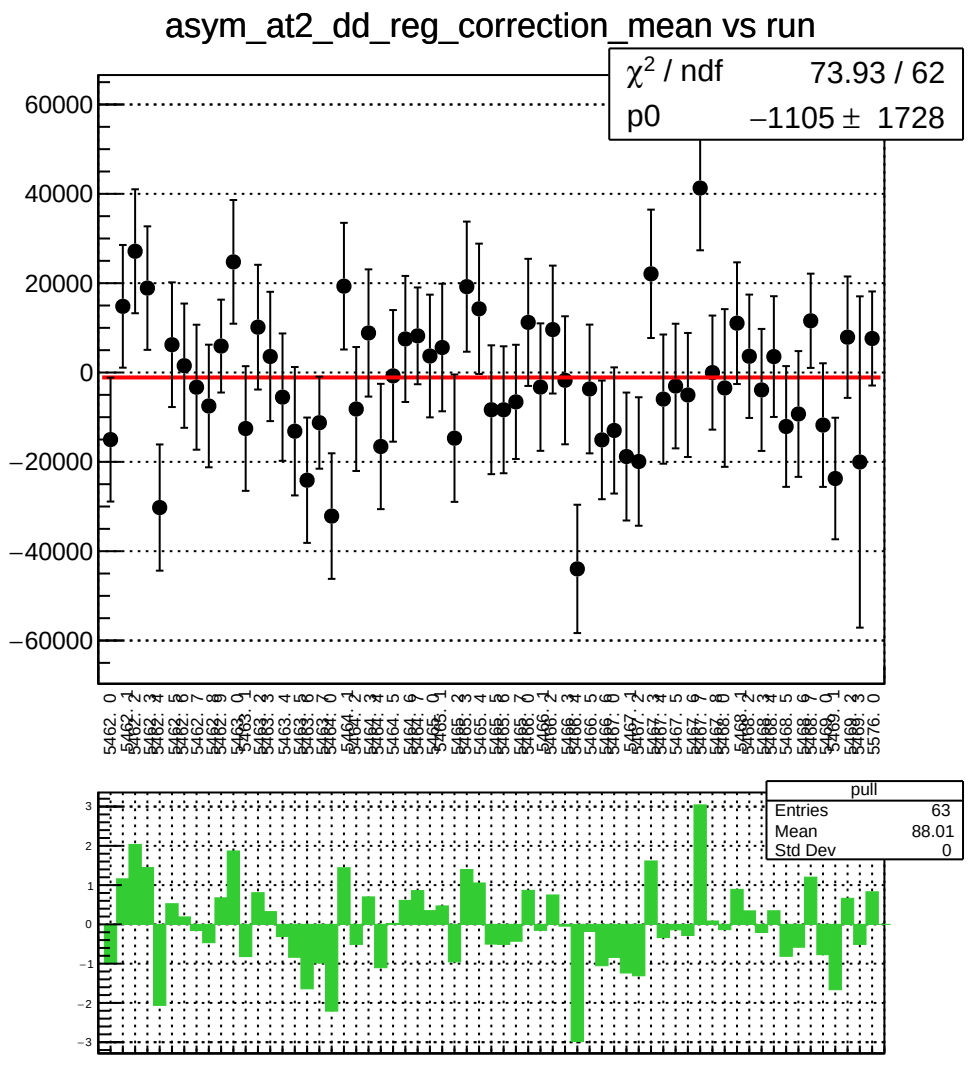

pull1D
Entries 63
Mean 0.04923
Std Dev 0.8904

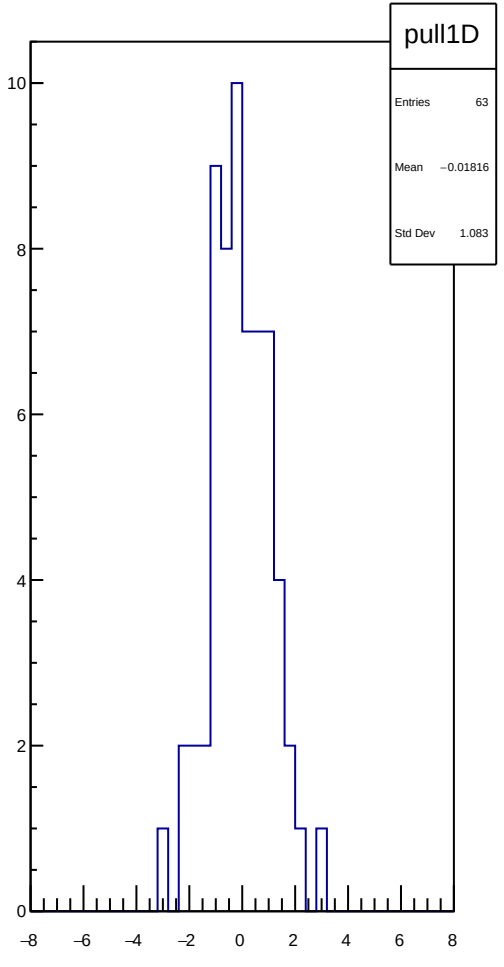

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.709e+05 / 62
p0 1.315e−10 ± 1.434e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

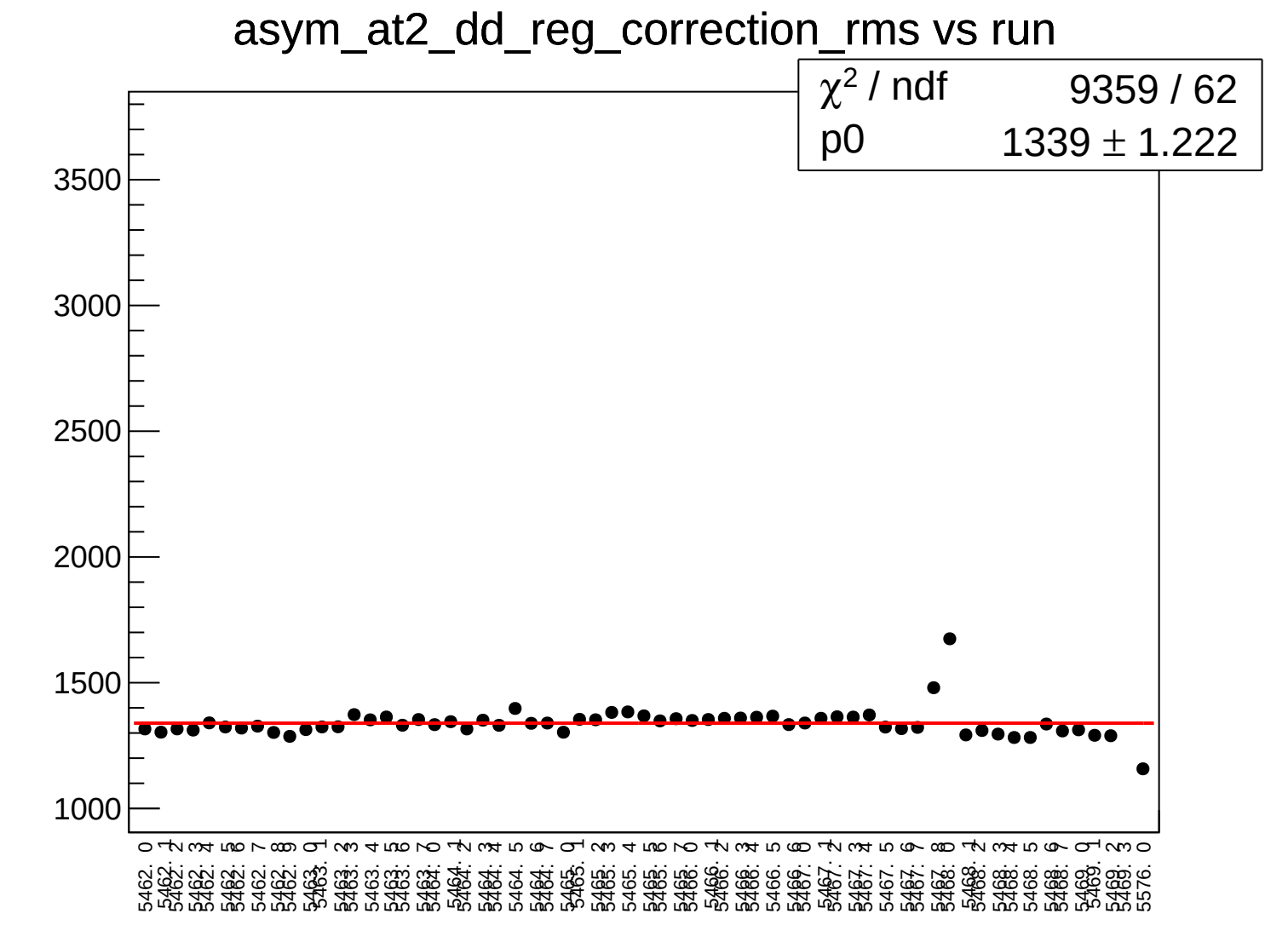

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 54.74 / 60
p0 1392 ± 1743
200
150
100
50
0
−50
pull
Entries 61
Mean 44.57
Std Dev 0
2
1
0
−1
−2

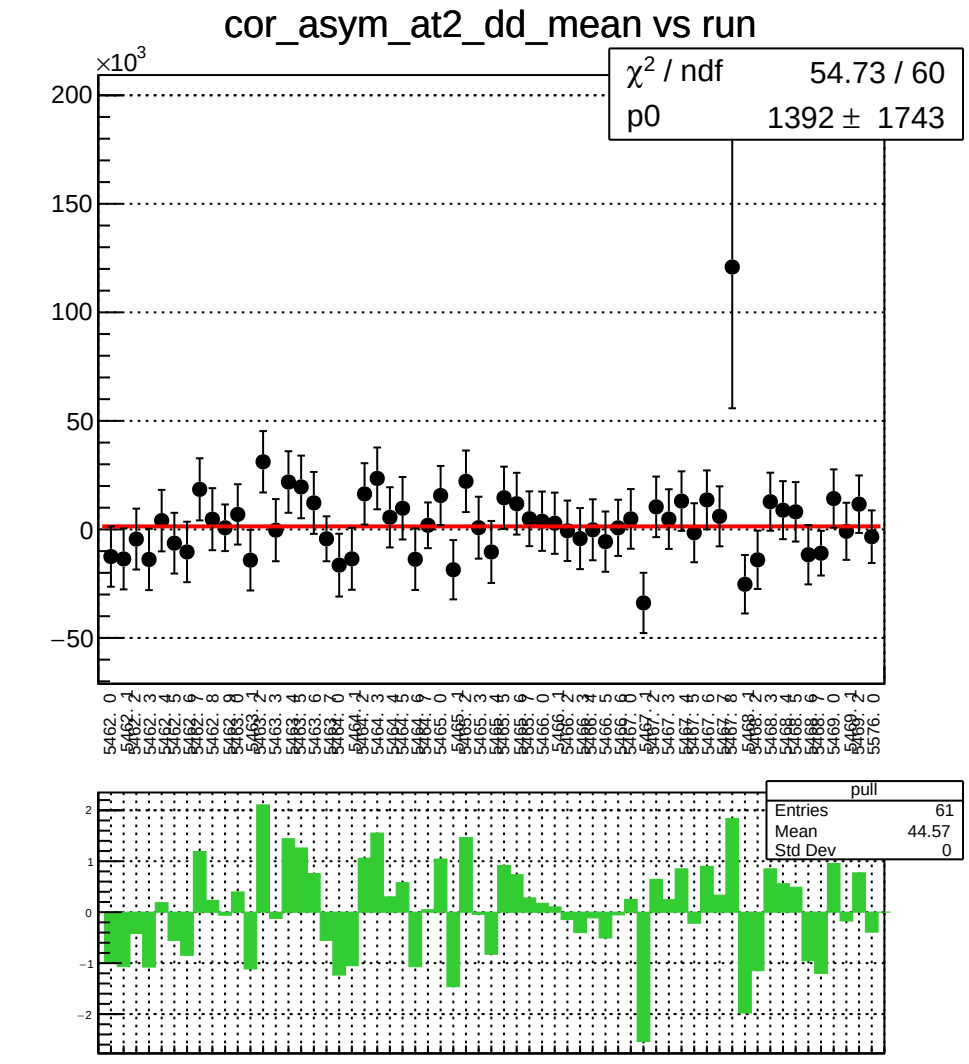

pull1D
Entries 61
Mean 0.03624
Std Dev 0.9466
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

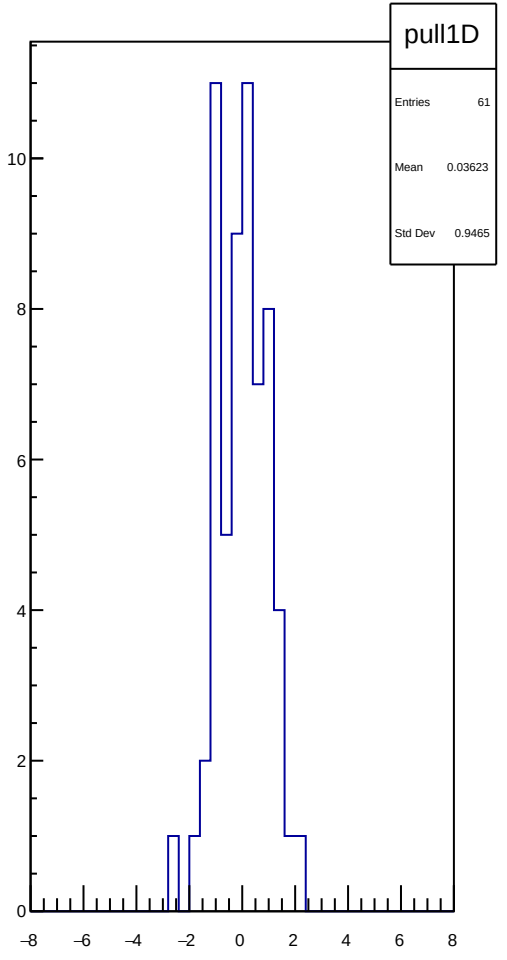

reg_asym_at2_dd_rms vs run
×10^3
χ^2 / ndf 5.447e+04 / 62
p0 1325 ± 1.233
100
80
60
40
20

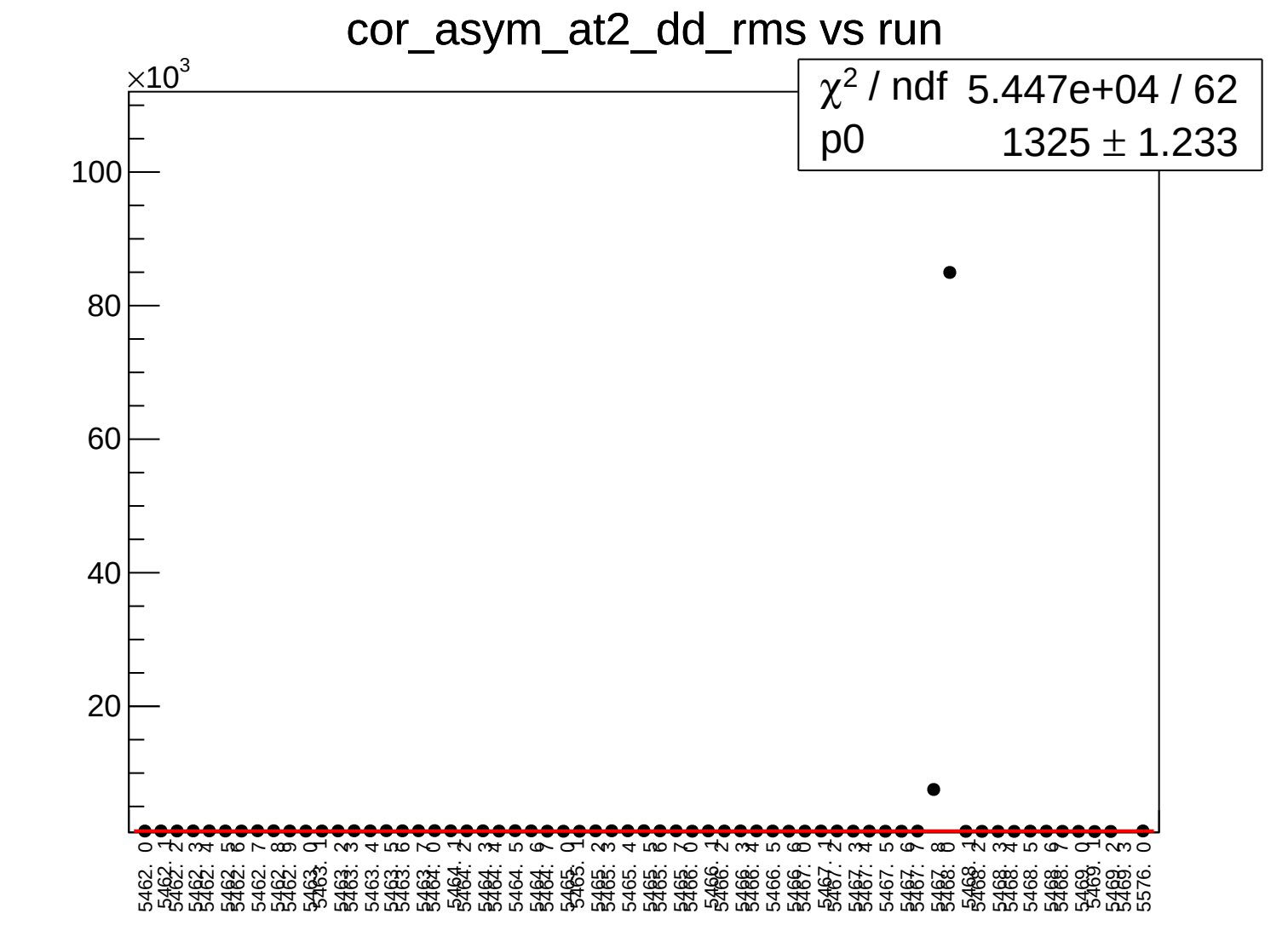

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 73.93 / 62
p0 −1105 ± 1728
pull
Entries 63
Mean 88.01
Std Dev 0

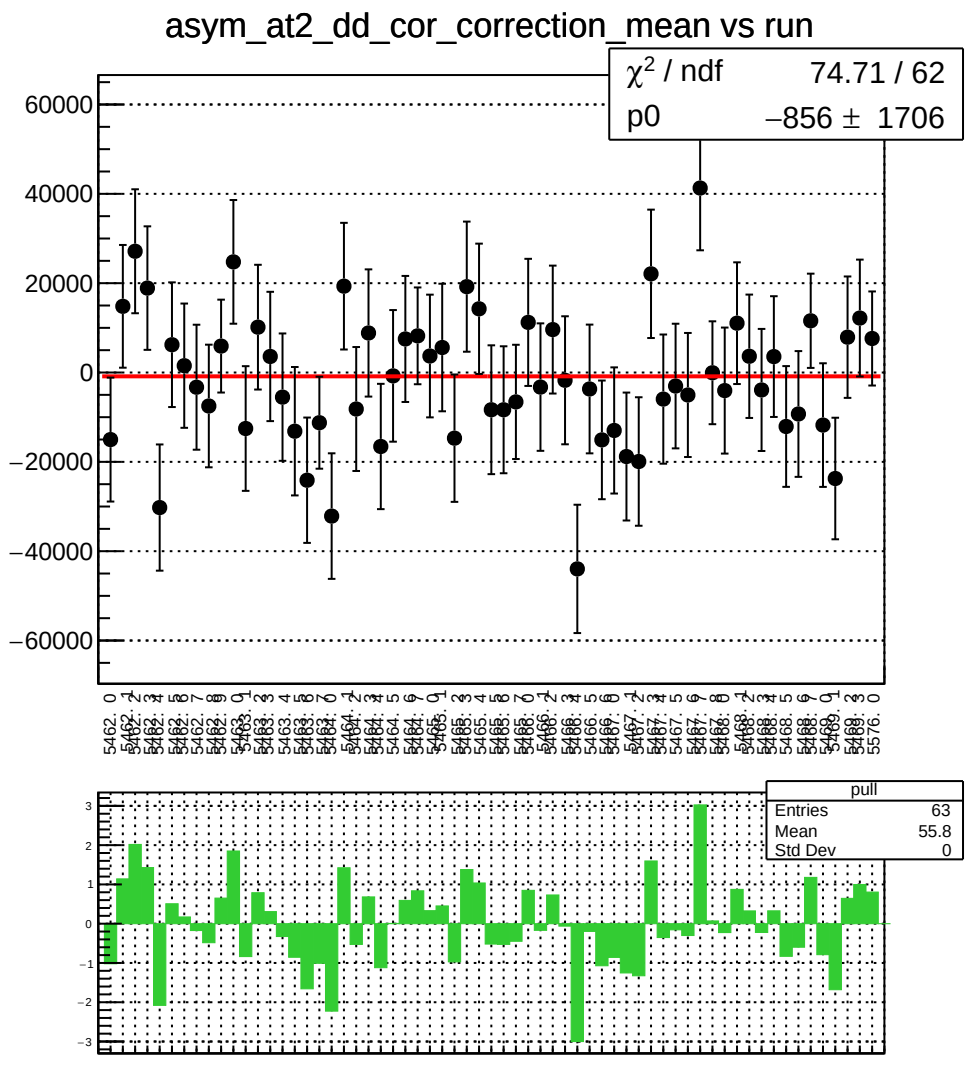

pull1D
Entries 63
Mean −0.01816
Std Dev 1.083

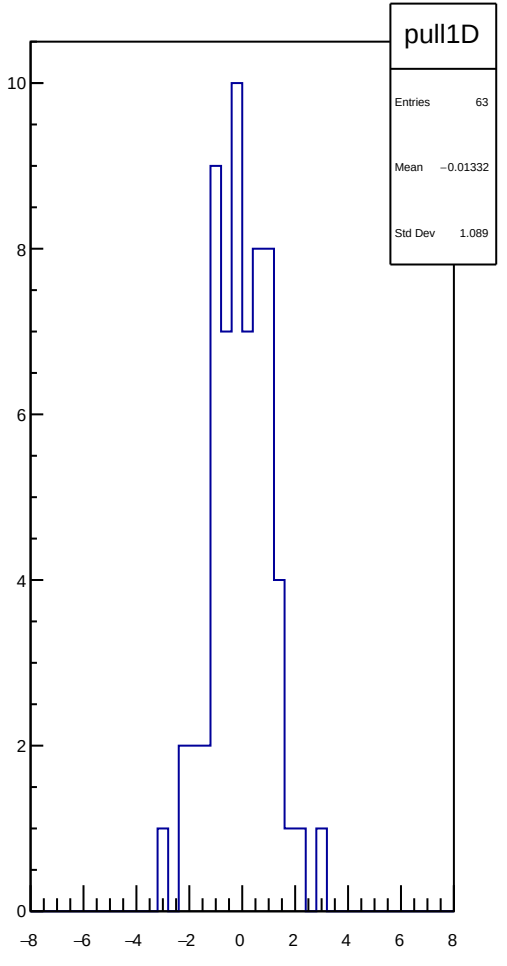

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 9359 / 62
p0 1339 ± 1.222
3500
3000
2500
2000
1500
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

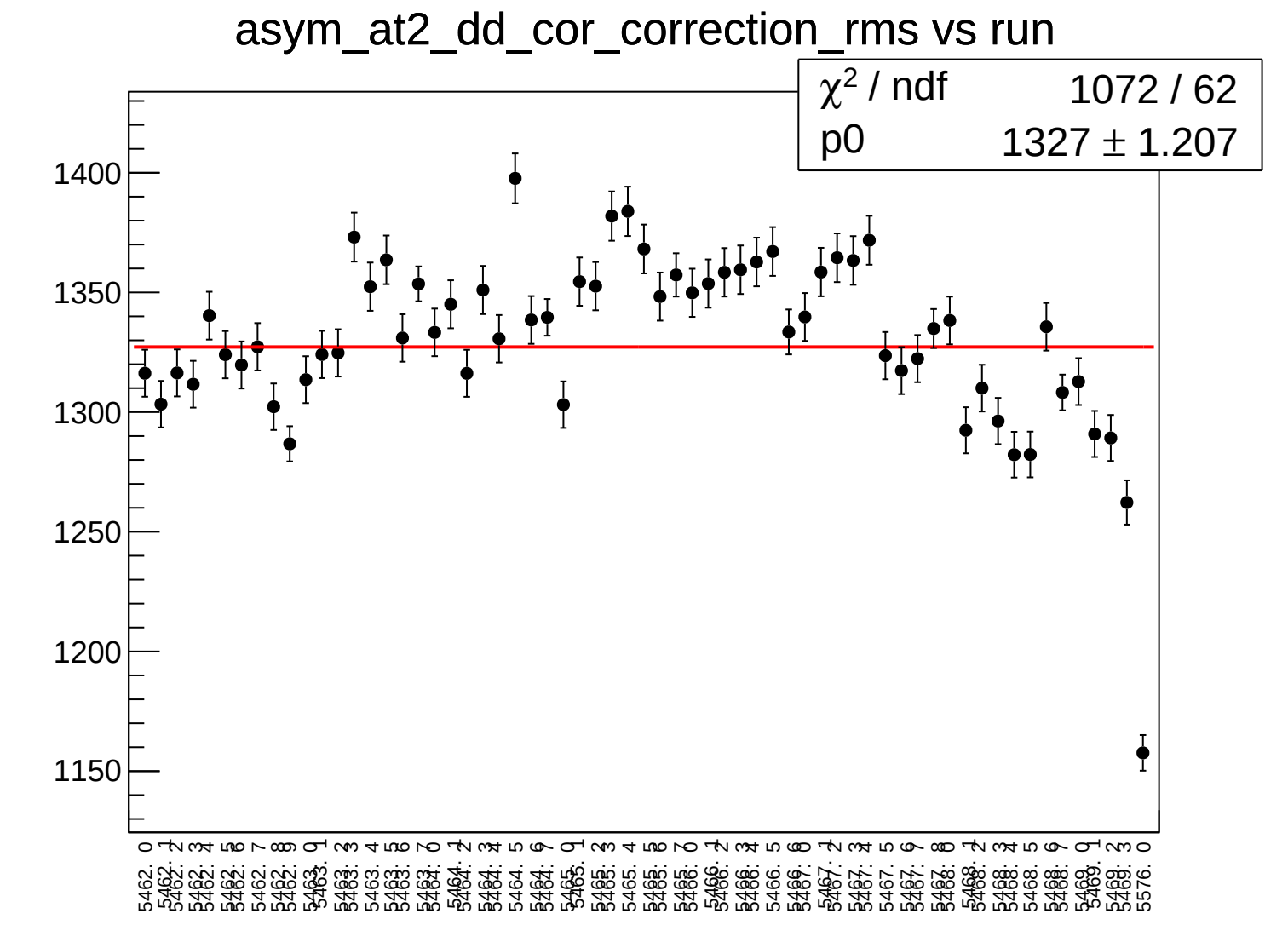

cor_asym_at2_dd_mean vs run
×10^3
χ² / ndf 54.73 / 60
p0 1392 ± 1743
200
150
100
50
0
−50
pull
Entries 61
Mean 44.57
Std Dev 0
2
1
0
−1
−2

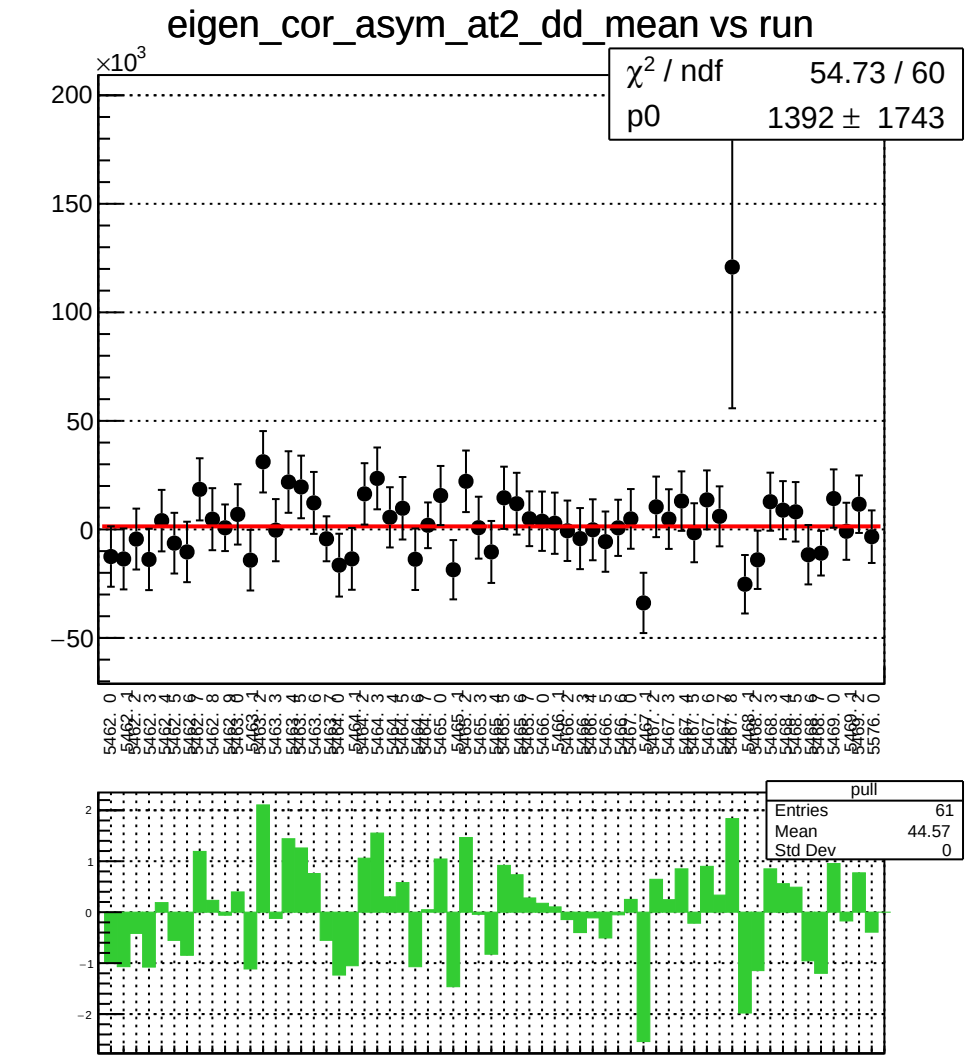

pull1D
Entries 61
Mean 0.03623
Std Dev 0.9465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

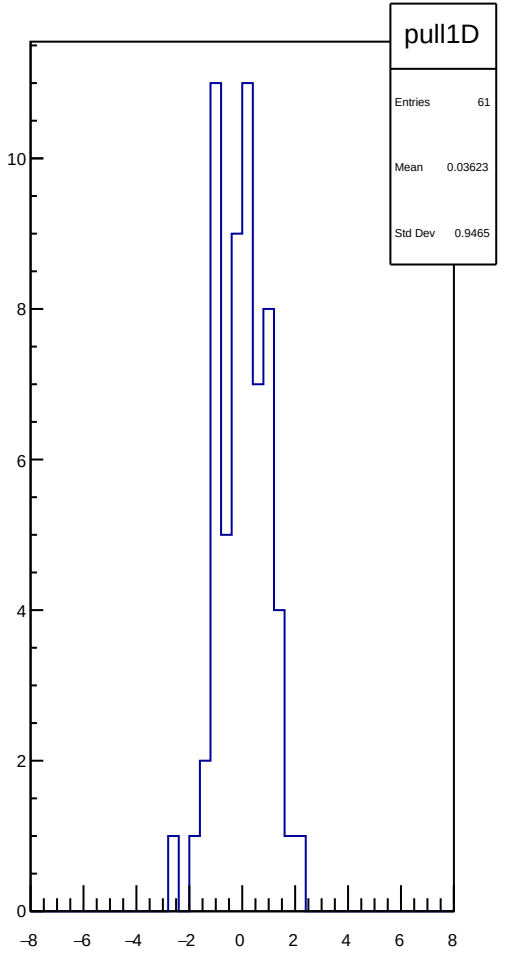

cor_asym_at2_dd_rms vs run
×10^3
χ^2 / ndf 5.447e+04 / 62
p0 1325 ± 1.233
100
80
60
40
20

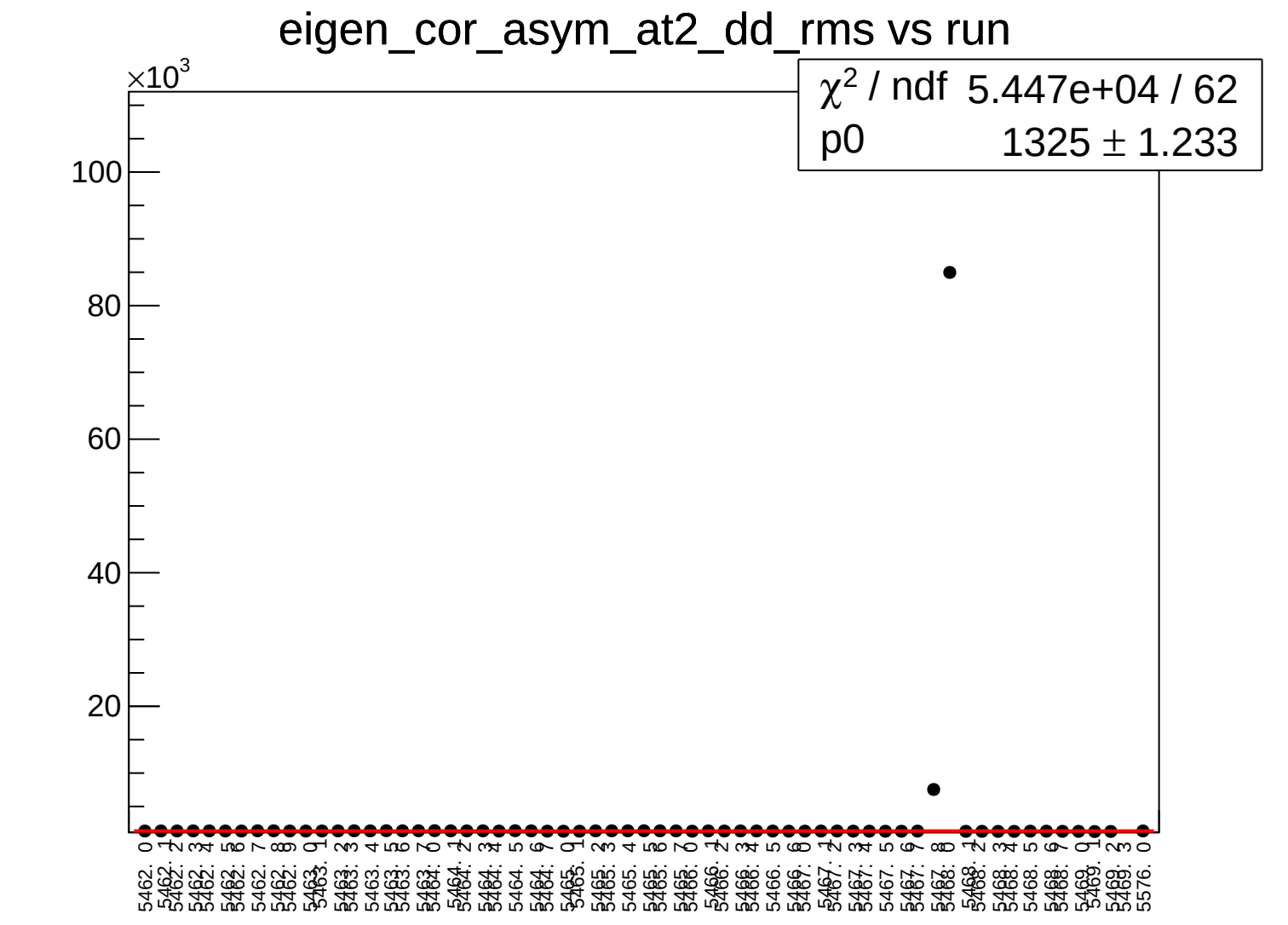

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 74.71 / 62
p0 −856 ± 1706
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 55.8
Std Dev 0
3
2
1
0
−1
−2
−3

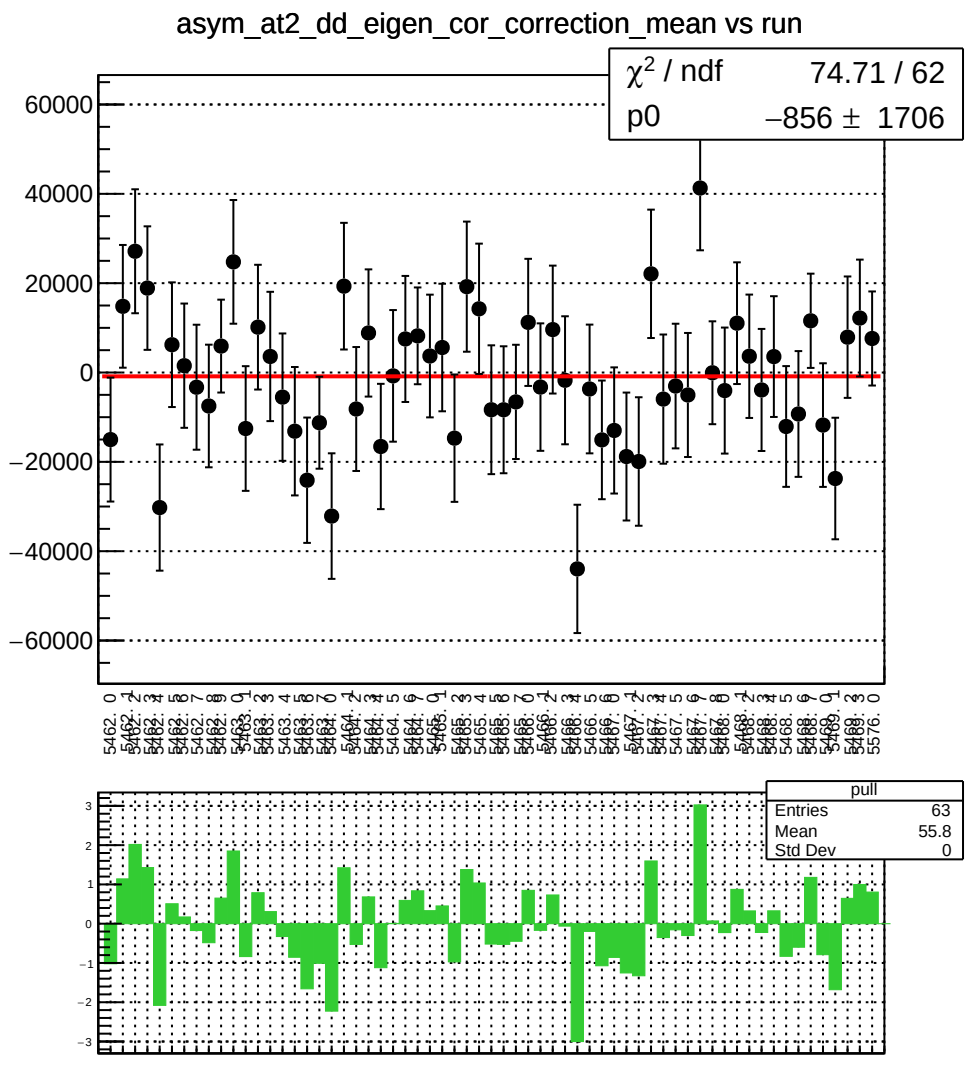

pull1D
Entries 63
Mean −0.01332
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

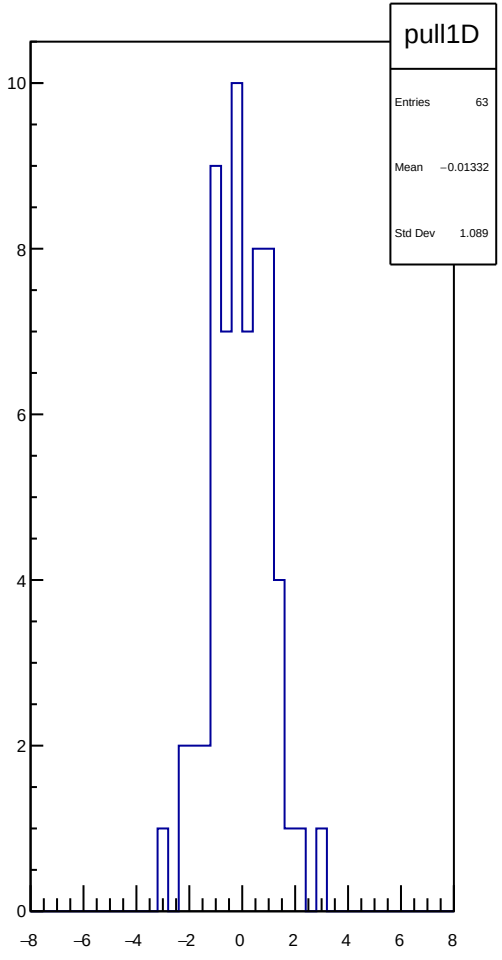

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1072 / 62
p0 1327 ± 1.207
1400
1350
1300
1250
1200
1150
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

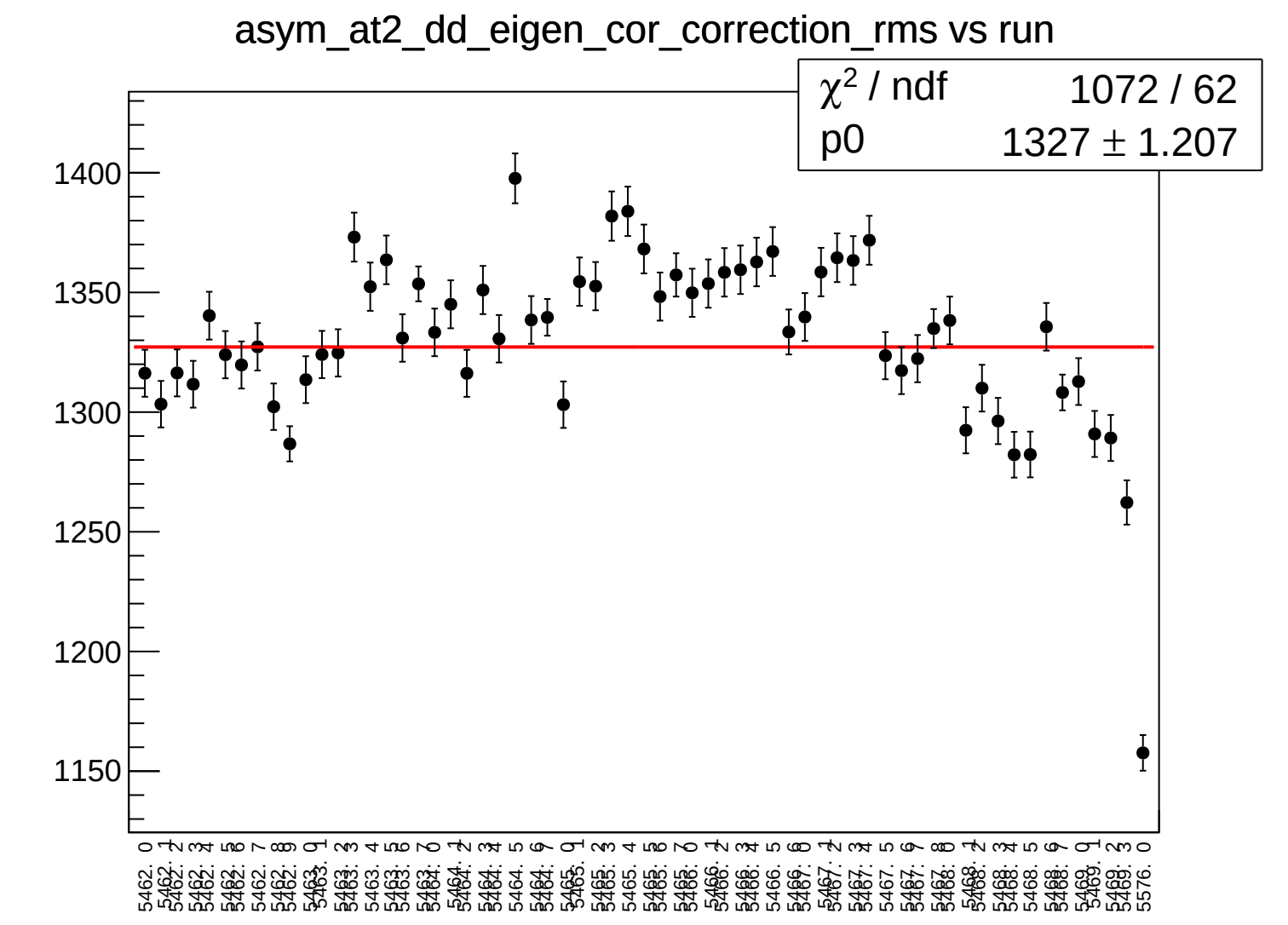

eigen_cor_asym_at2_dd_mean vs run
×10^3
χ² / ndf 54.73 / 60
p0 1392 ± 1743
200
150
100
50
0
−50
pull
Entries 61
Mean 44.57
Std Dev 0
2
1
0
−1
−2

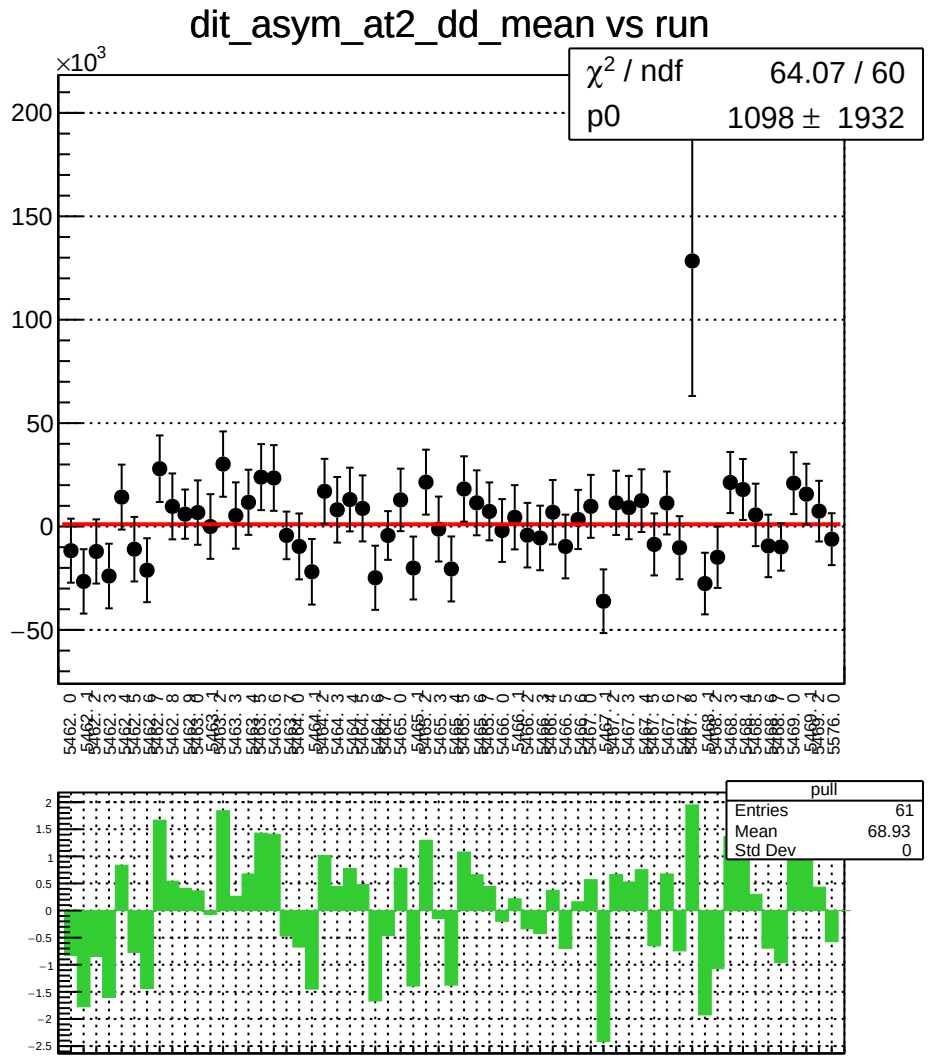

pull1D
Entries 61
Mean 0.03623
Std Dev 0.9465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

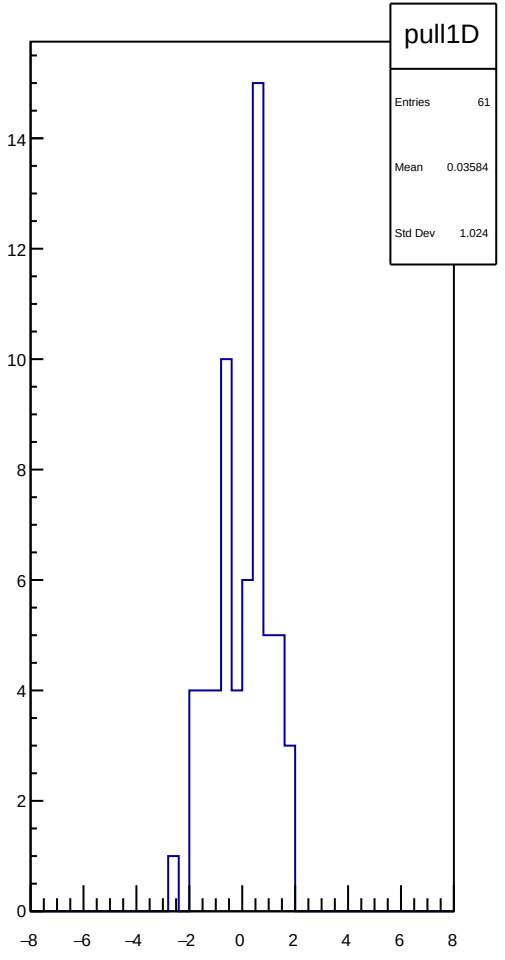

eigen_cor_asym_at2_dd_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.447e+04 / 62
p0 1325 ± 1.233

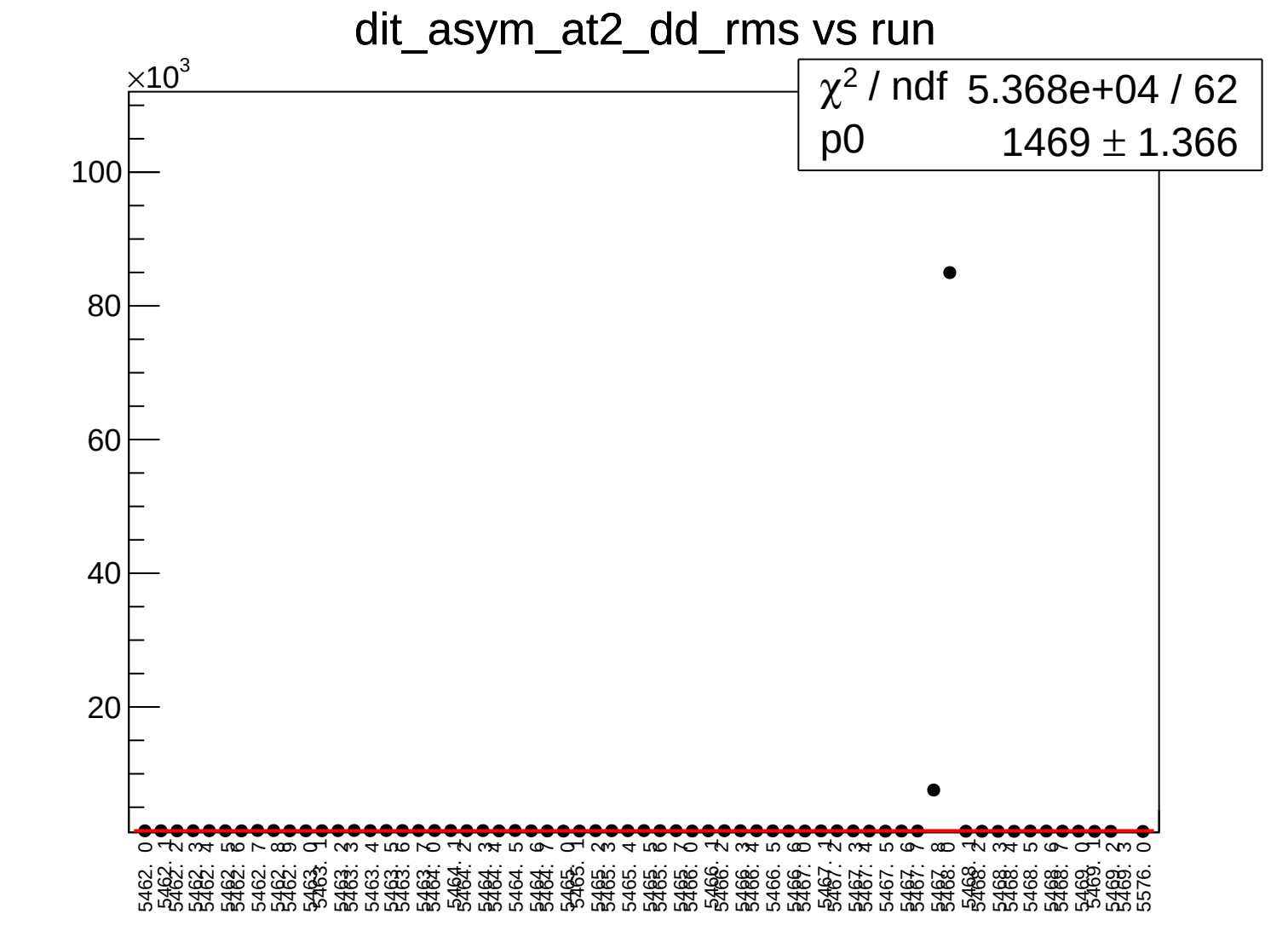

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.71 / 62
p0 −856 ± 1706
pull
Entries 63
Mean 55.8
Std Dev 0

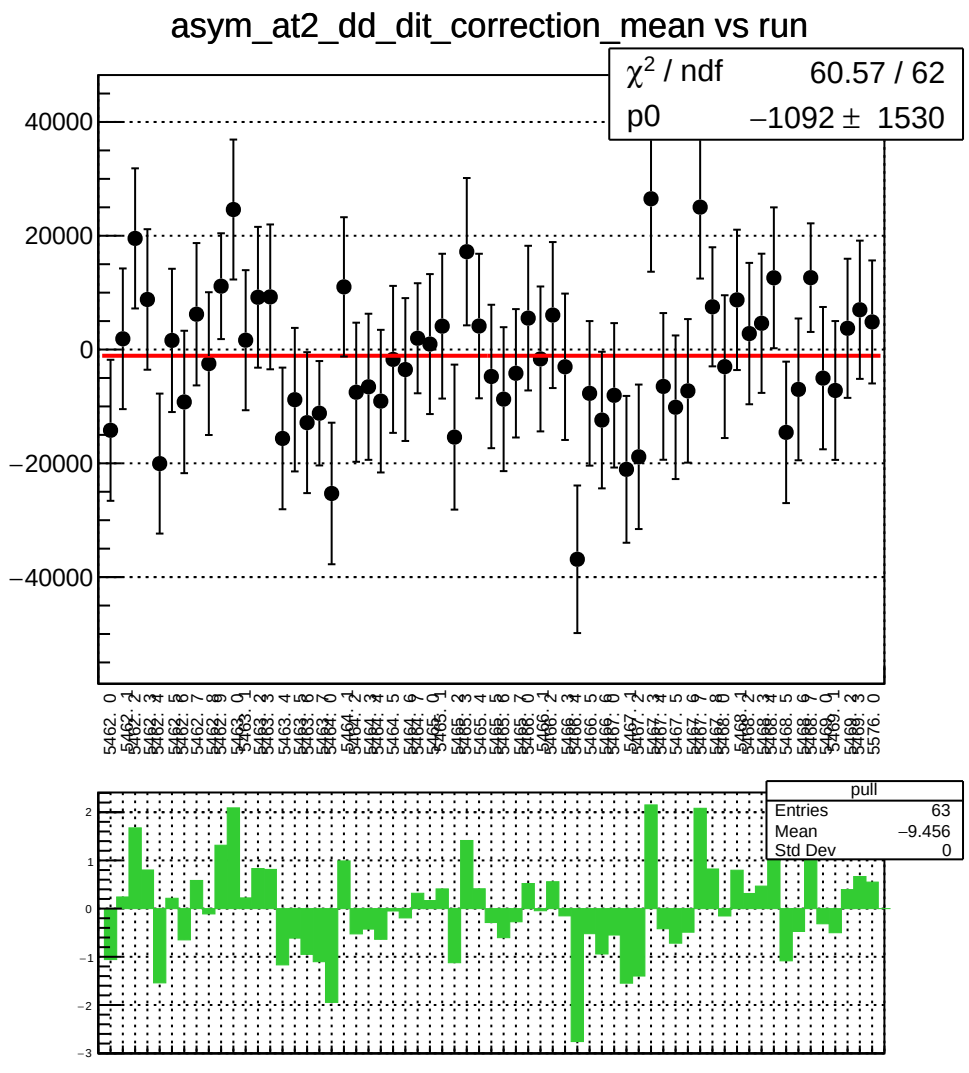

pull1D
Entries 63
Mean −0.01332
Std Dev 1.089

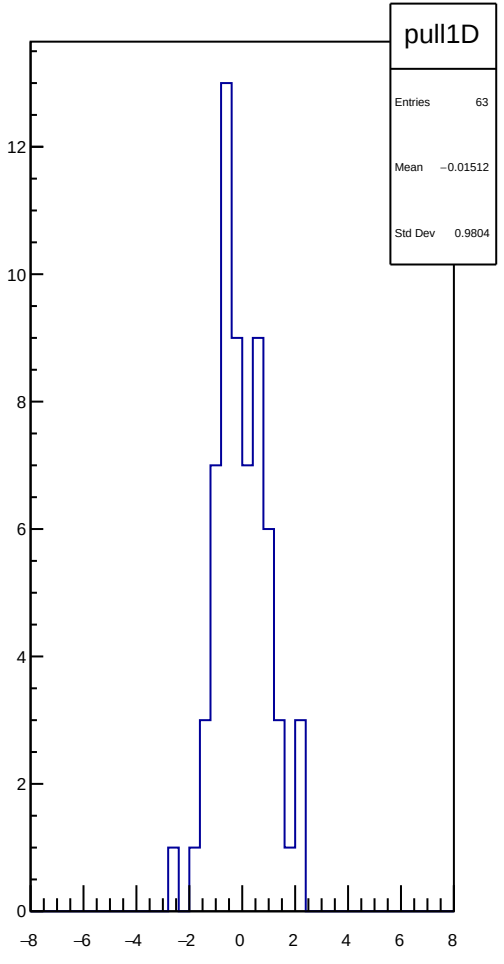

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1072 / 62
p0 1327 ± 1.207
1400
1350
1300
1250
1200
1150

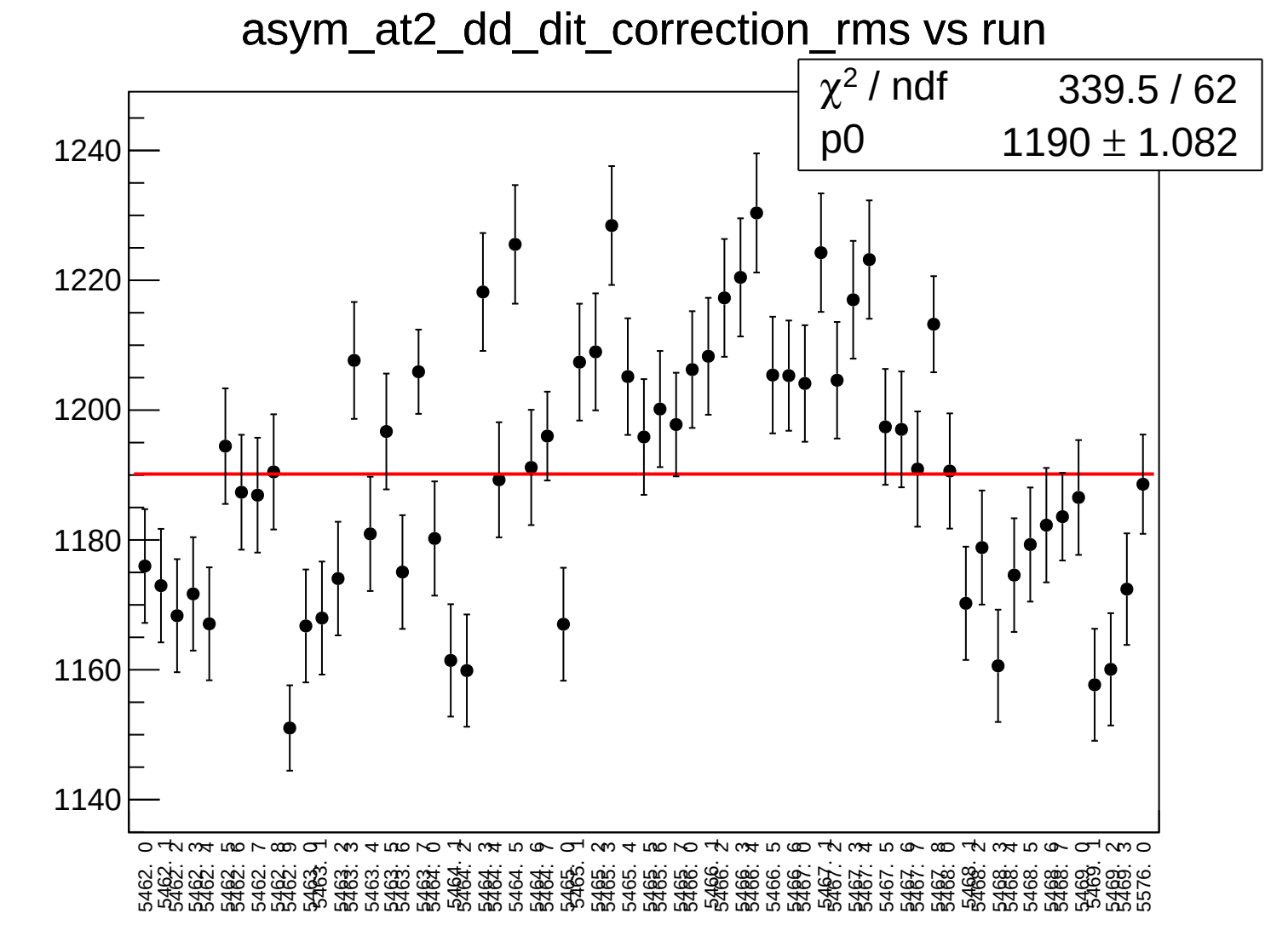

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 64.07 / 60
p0 1098 ± 1932
pull
Entries 61
Mean 68.93
Std Dev 0

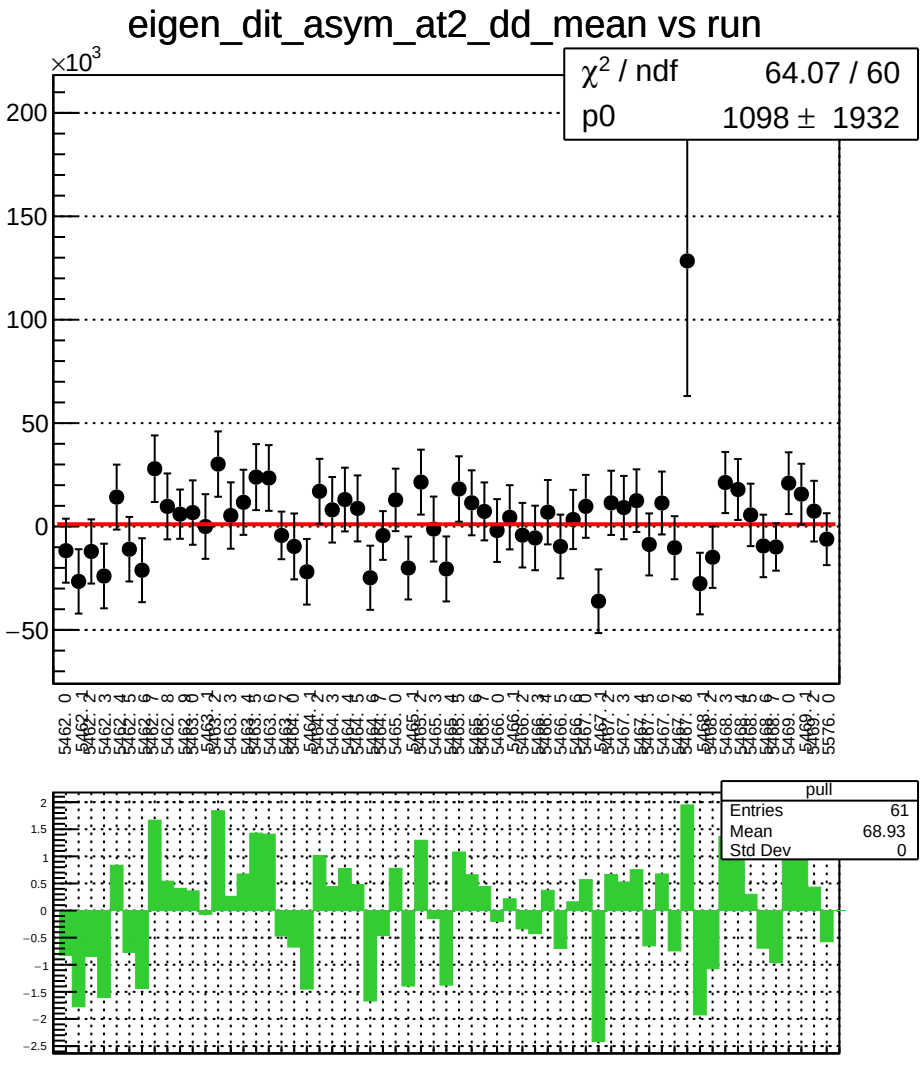

pull1D
Entries 61
Mean 0.03584
Std Dev 1.024

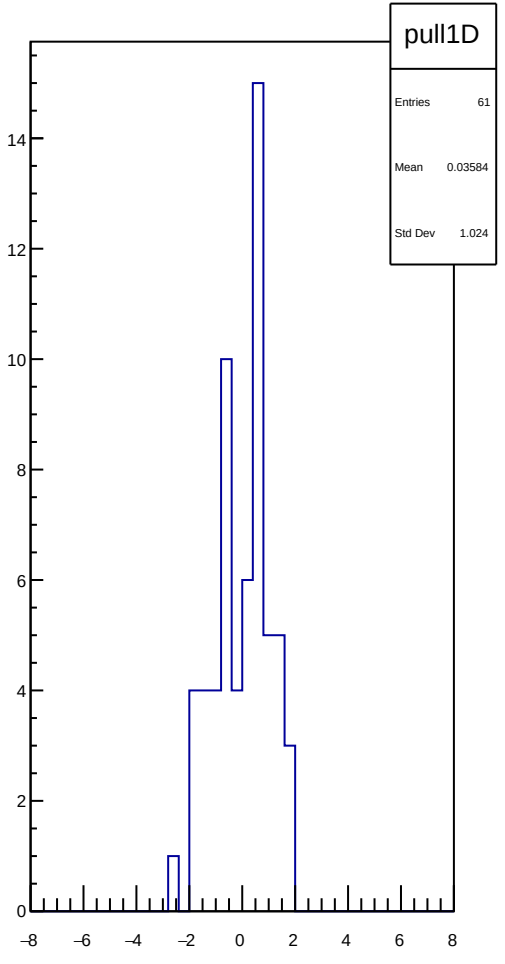

dit_asym_at2_dd_rms vs run
×10^3
χ^2 / ndf 5.368e+04 / 62
p0 1469 ± 1.366
100
80
60
40
20

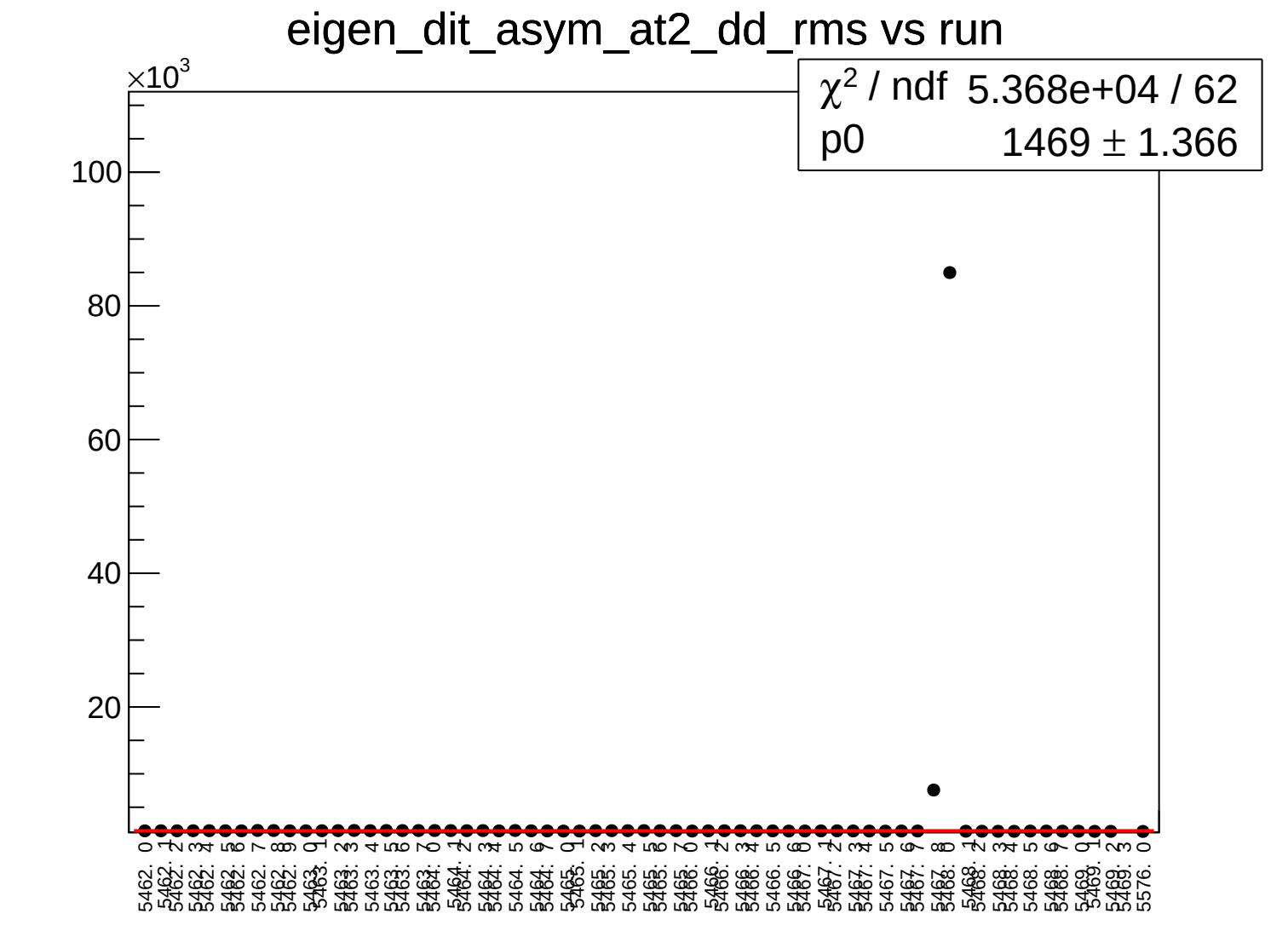

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 60.57 / 62
p0 −1092 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −9.456
Std Dev 0
2
1
0
−1
−2
−3

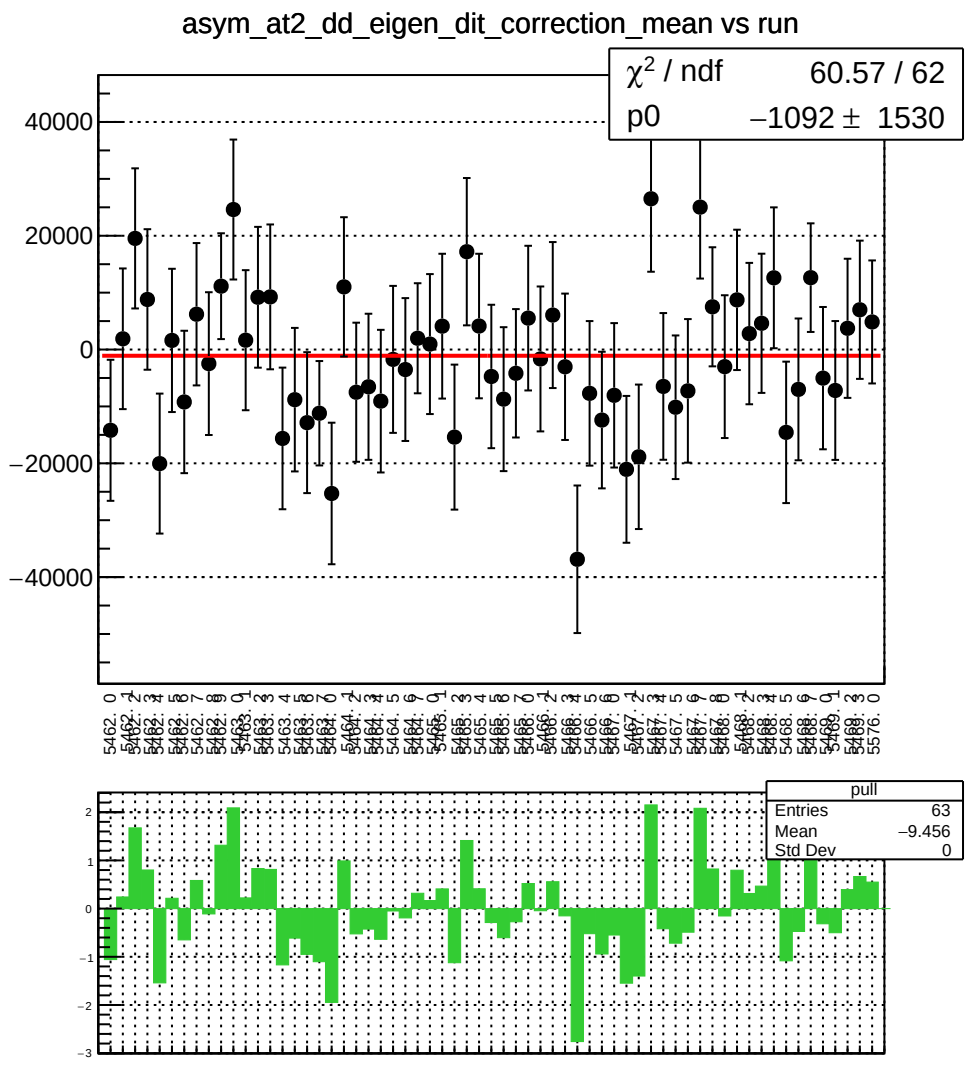

pull1D
Entries 63
Mean −0.01512
Std Dev 0.9804
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

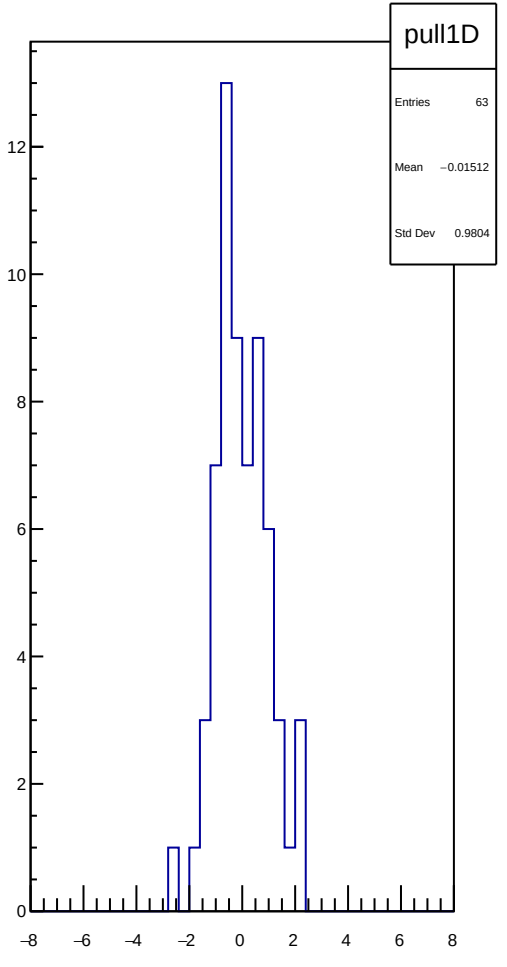

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 339.5 / 62
p0 1190 ± 1.082
1240
1220
1200
1180
1160
1140

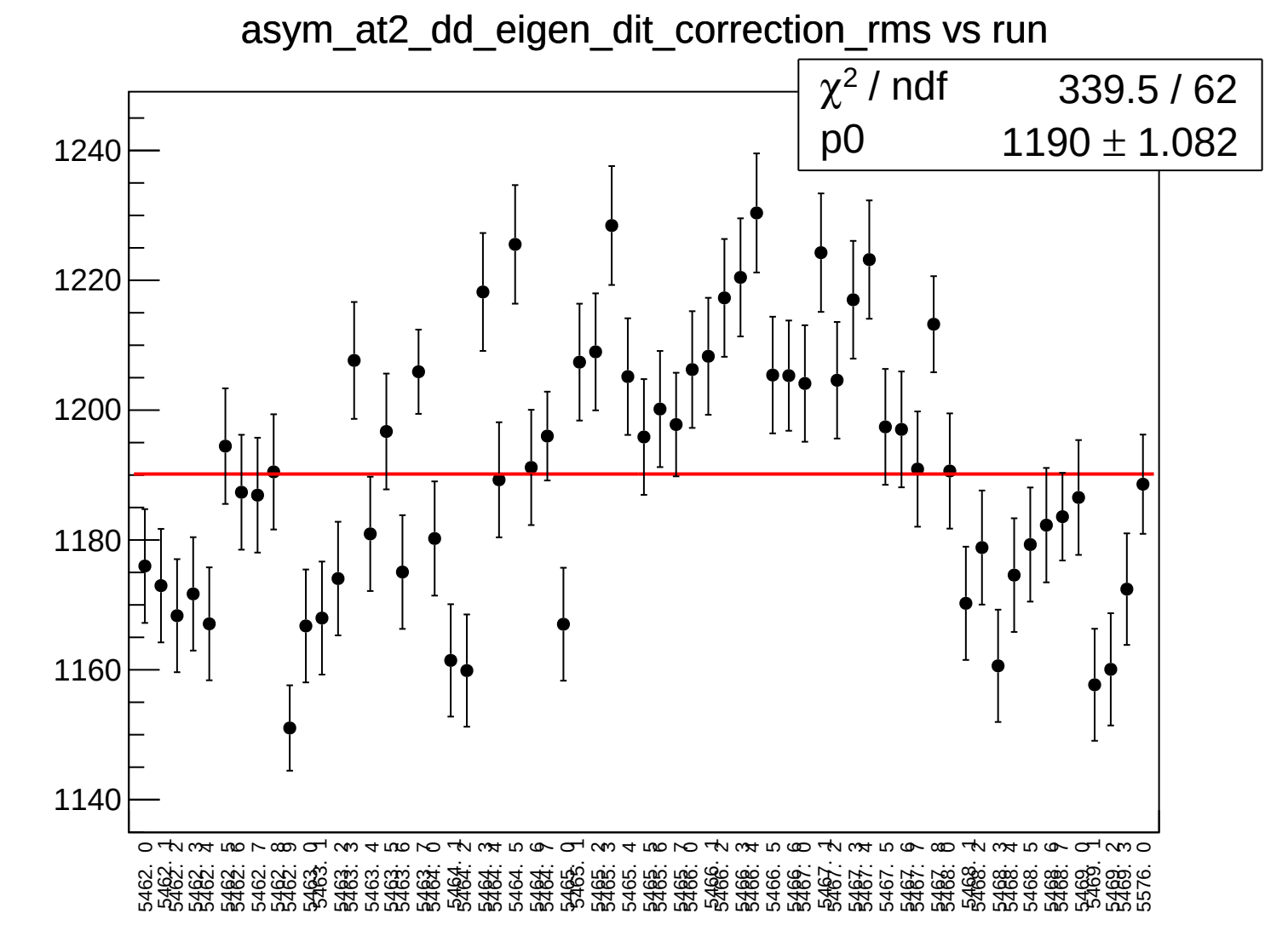

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 64.07 / 60
p0 1098 ± 1932
pull
Entries 61
Mean 68.93
Std Dev 0

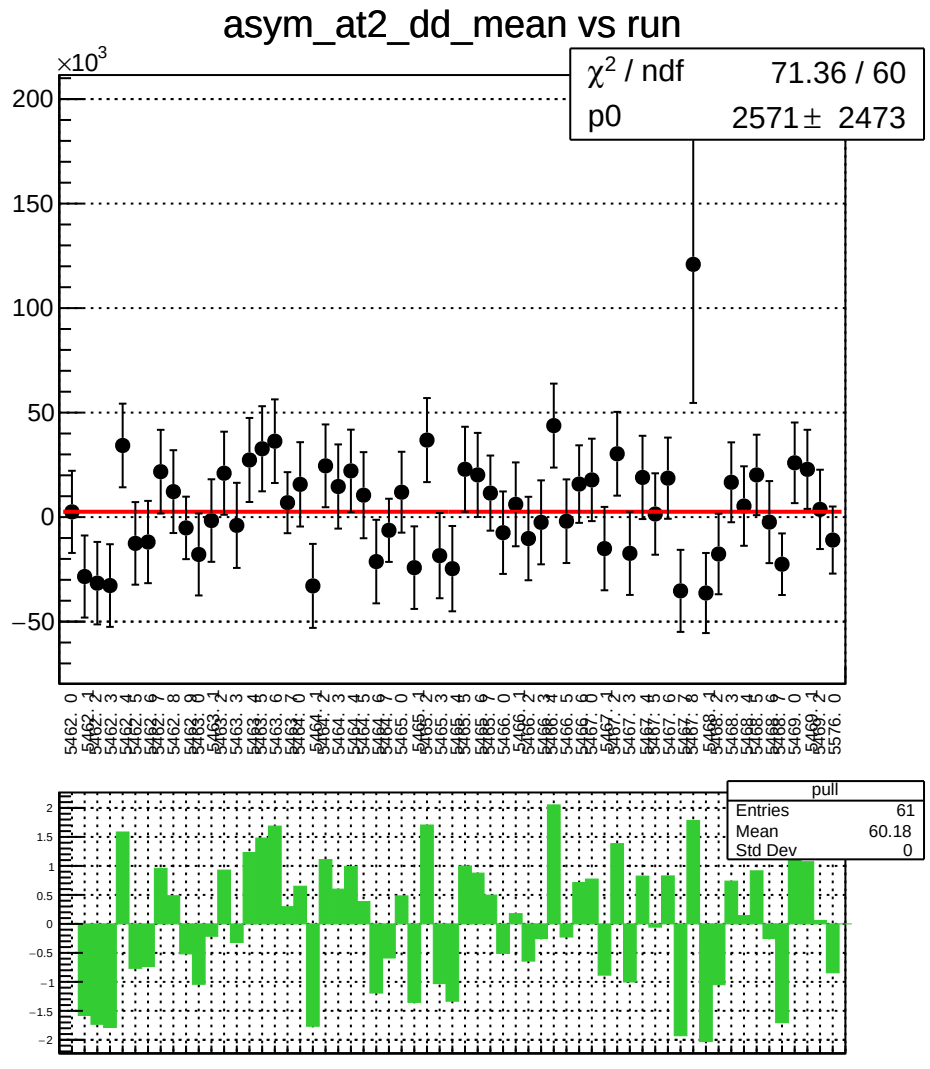

pull1D
Entries 61
Mean 0.03584
Std Dev 1.024

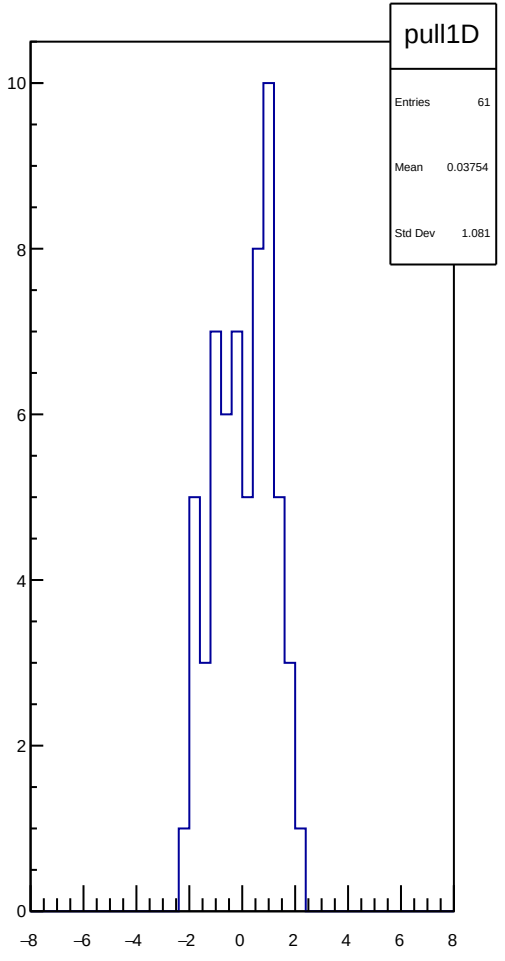

eigen_dit_asym_at2_dd_rms vs run
×10^3
χ^2 / ndf 5.368e+04 / 62
p0 1469 ± 1.366
100
80
60
40
20

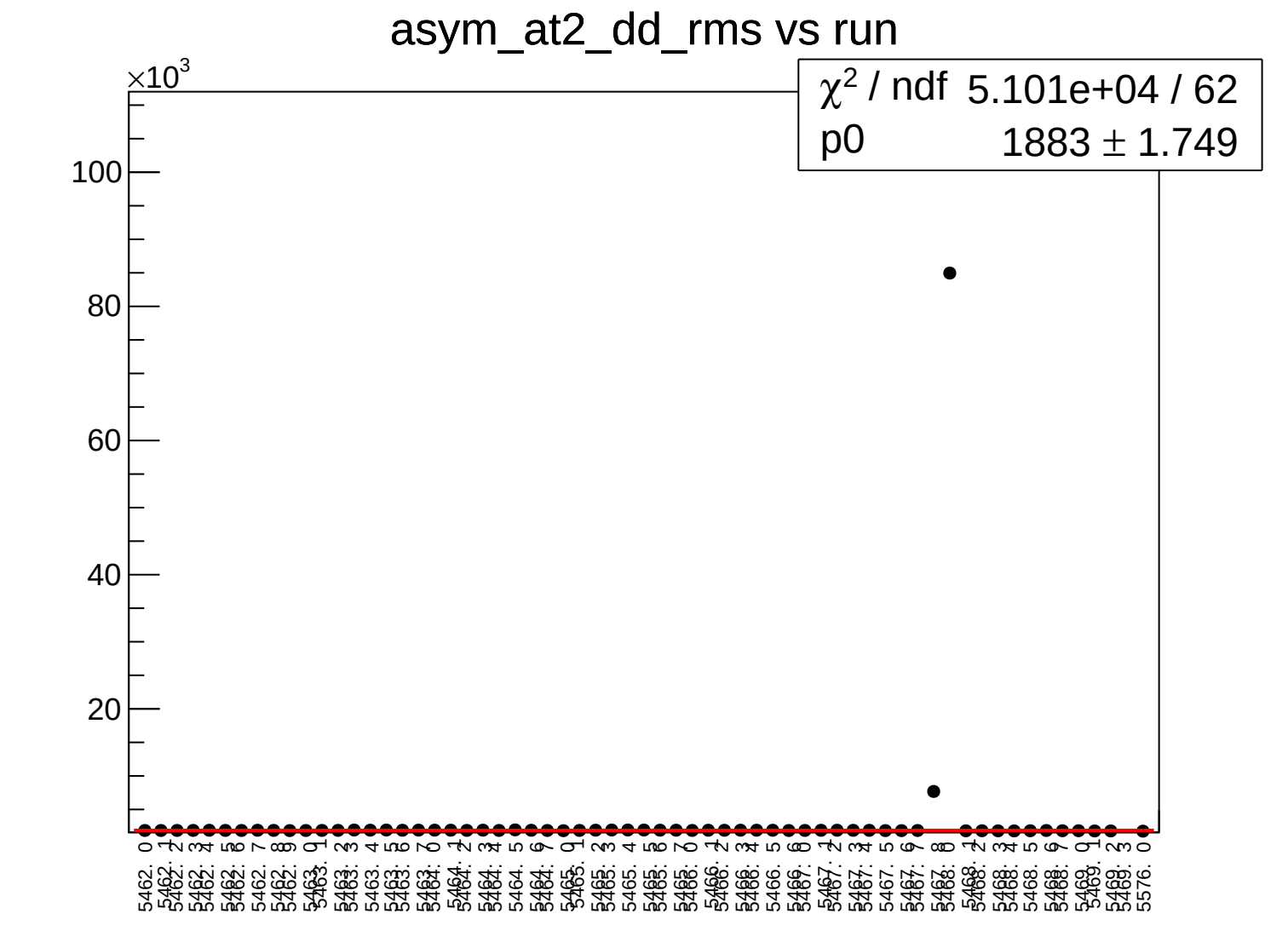

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.57 / 62
p0 −1092 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −9.456
Std Dev 0
2
1
0
−1
−2
−3

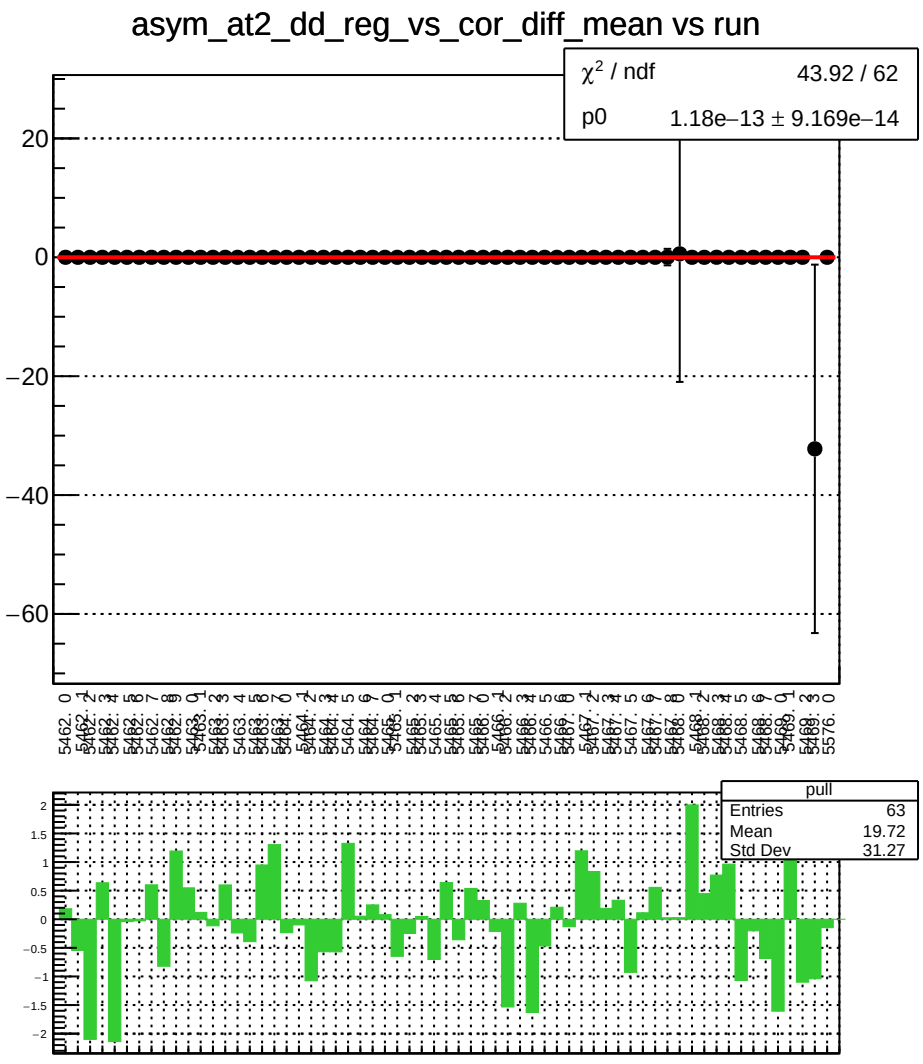

pull1D
Entries 63
Mean −0.01512
Std Dev 0.9804
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

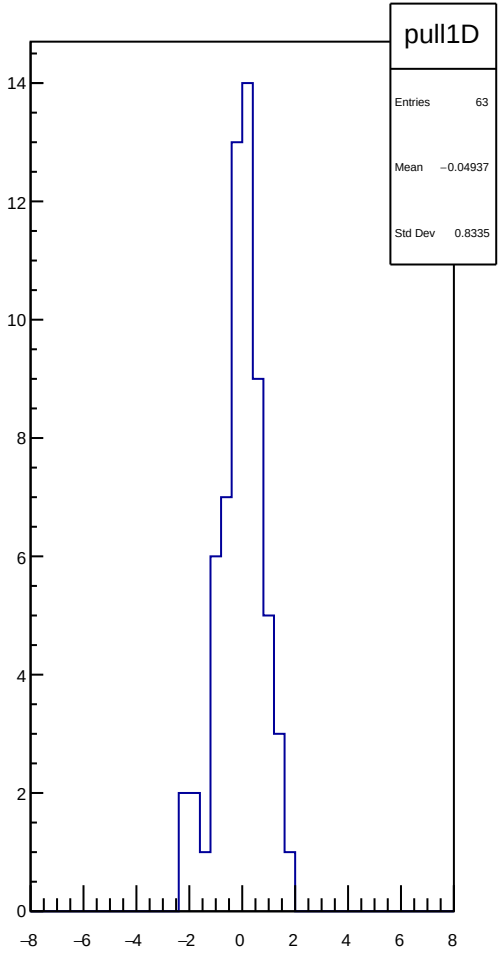

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 339.5 / 62
p0 1190 ± 1.082
1240
1220
1200
1180
1160
1140

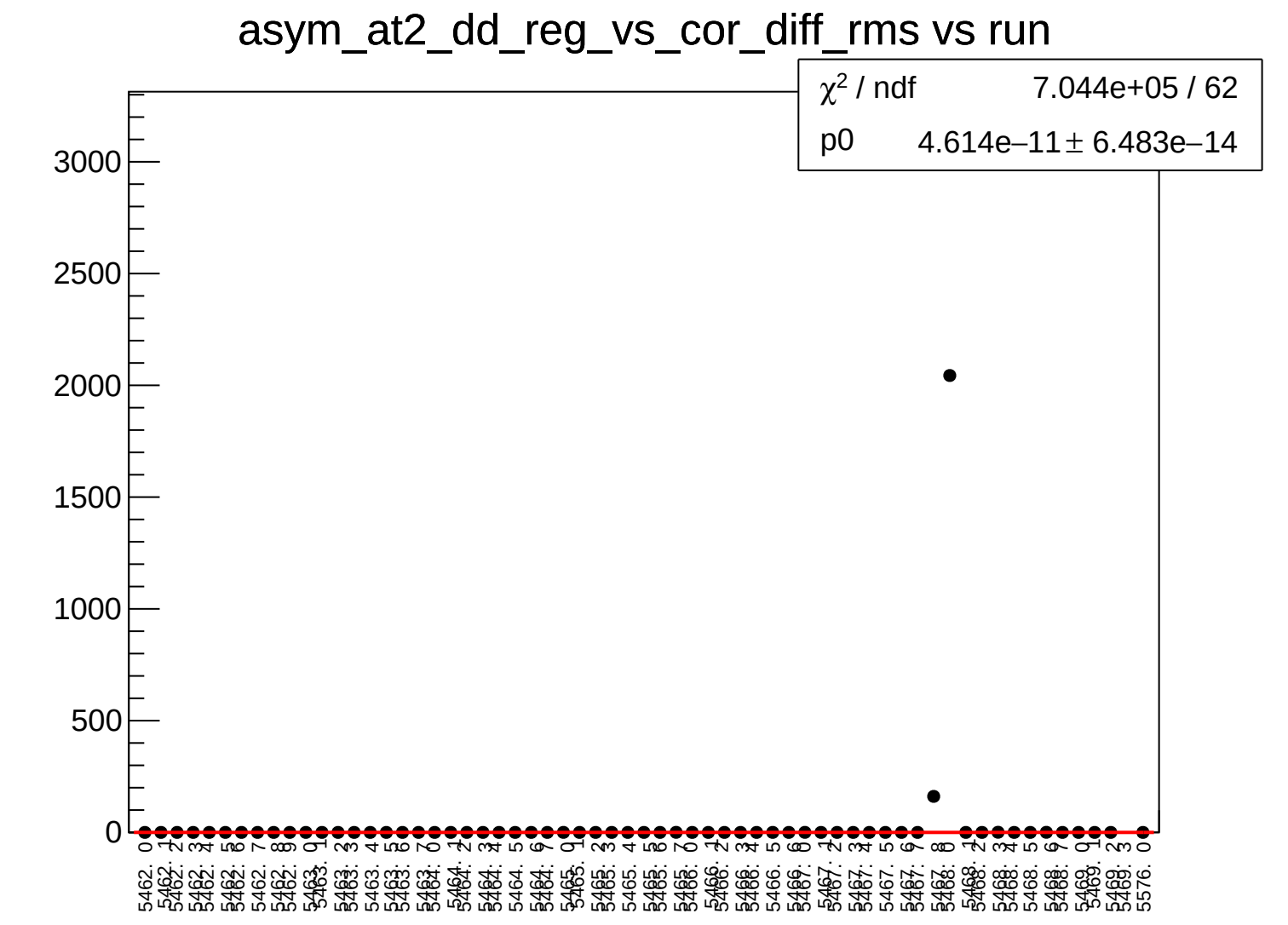

asym_at2_dd_mean vs run
×10^3
χ² / ndf 71.36 / 60
p0 2571 ± 2473
200
150
100
50
0
−50
pull
Entries 61
Mean 60.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

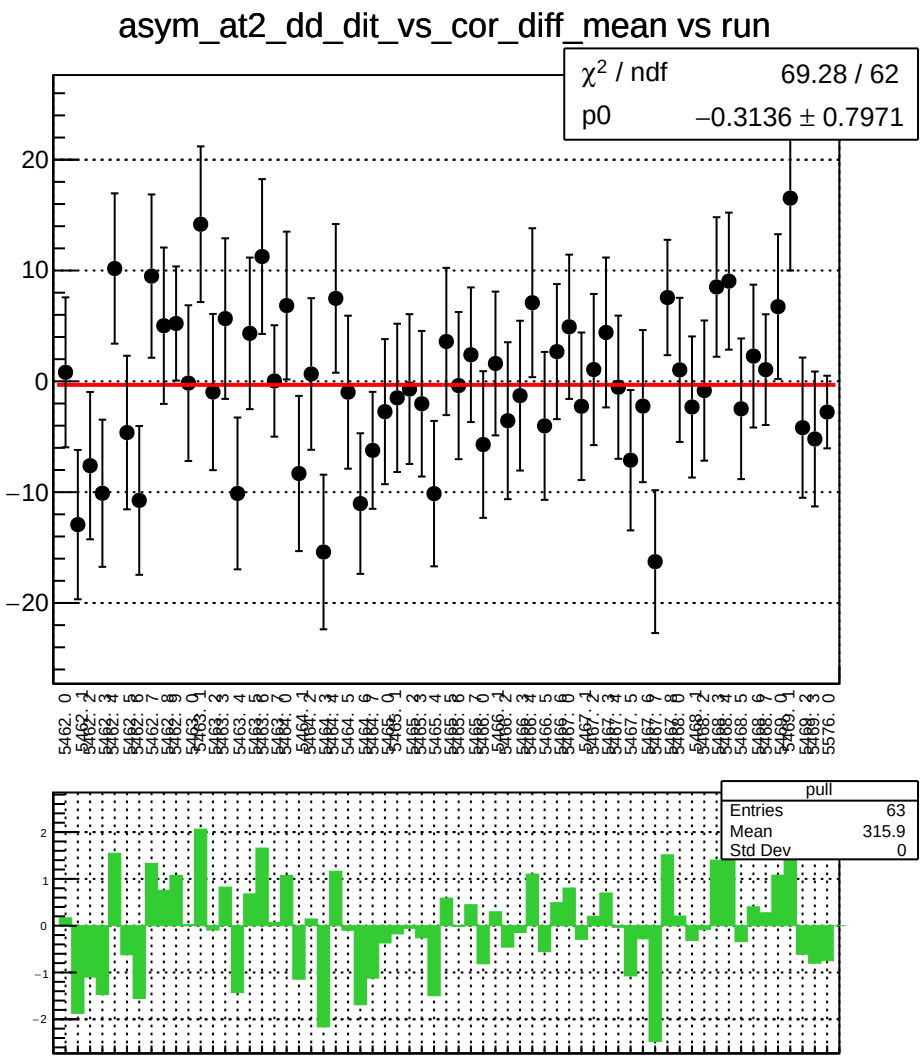

pull1D
Entries 61
Mean 0.03754
Std Dev 1.081
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

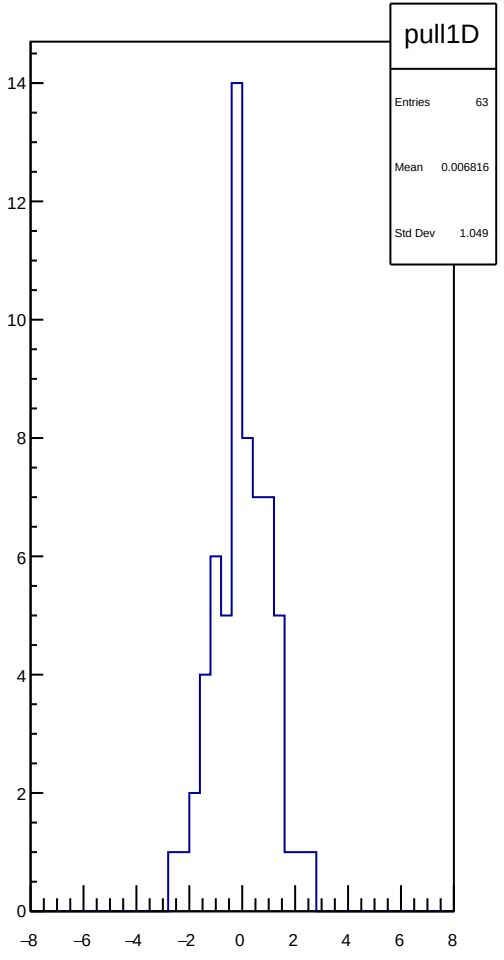

asym_at2_dd_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.101e+04 / 62
p0 1883 ± 1.749

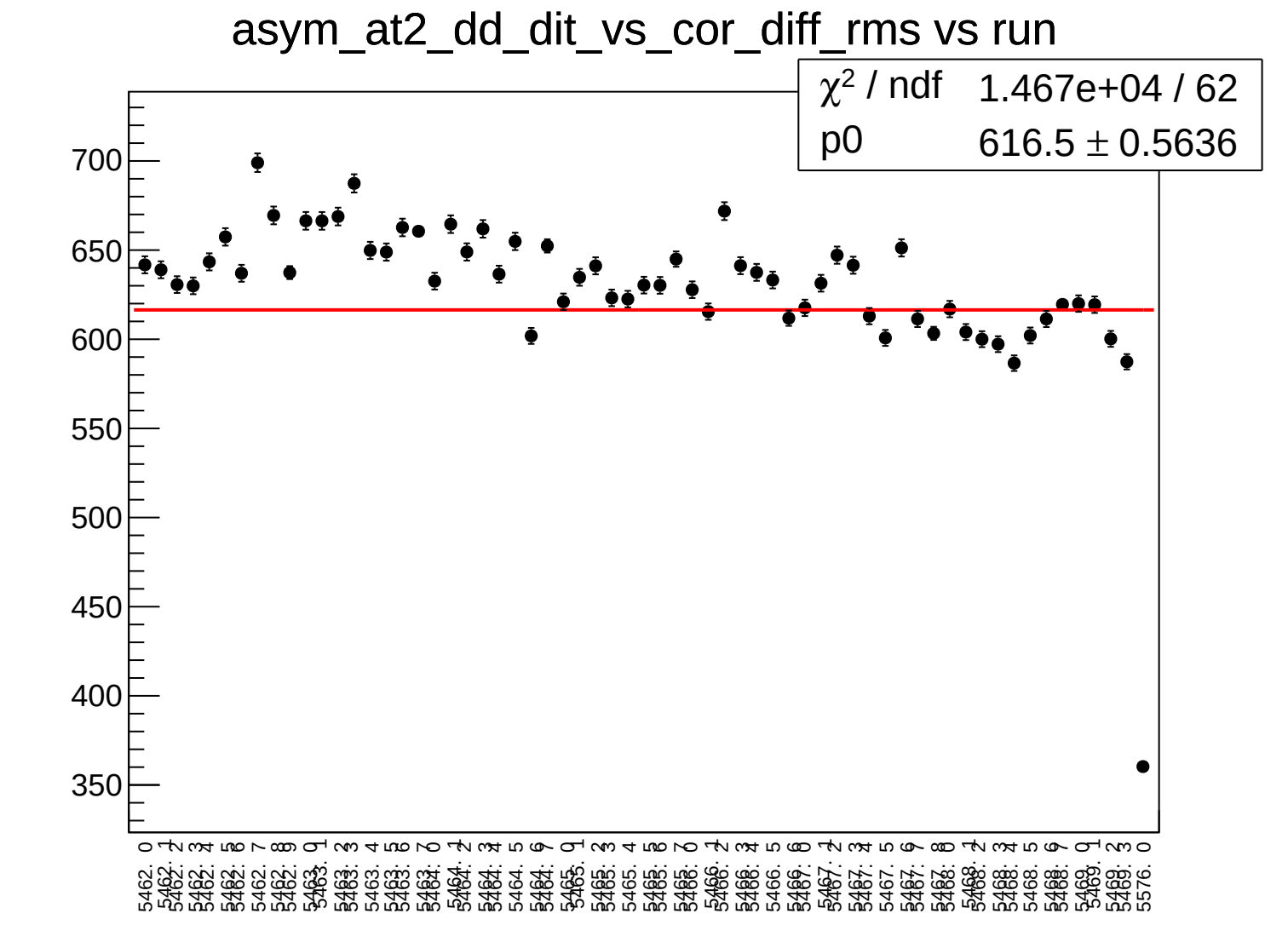

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.92 / 62
p0 1.18e−13 ± 9.169e−14
pull
Entries 63
Mean 19.72
Std Dev 31.27

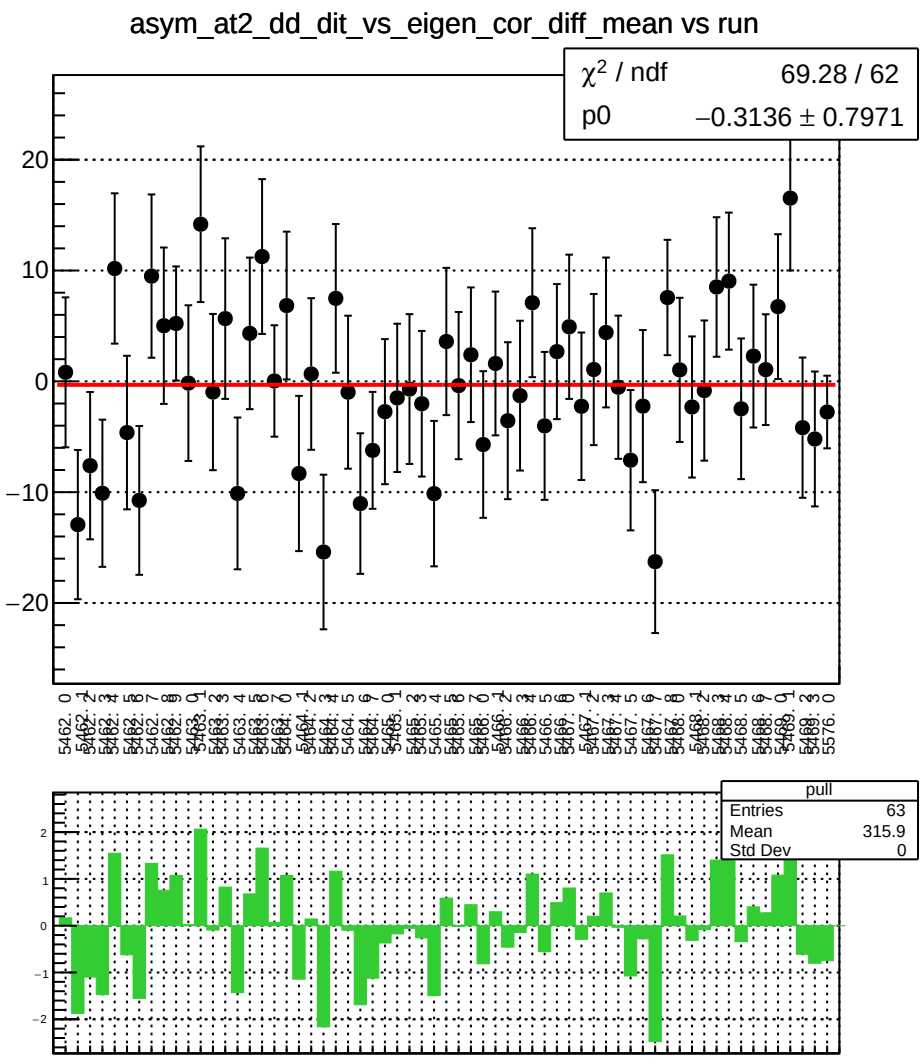

pull1D
Entries 63
Mean −0.04937
Std Dev 0.8335

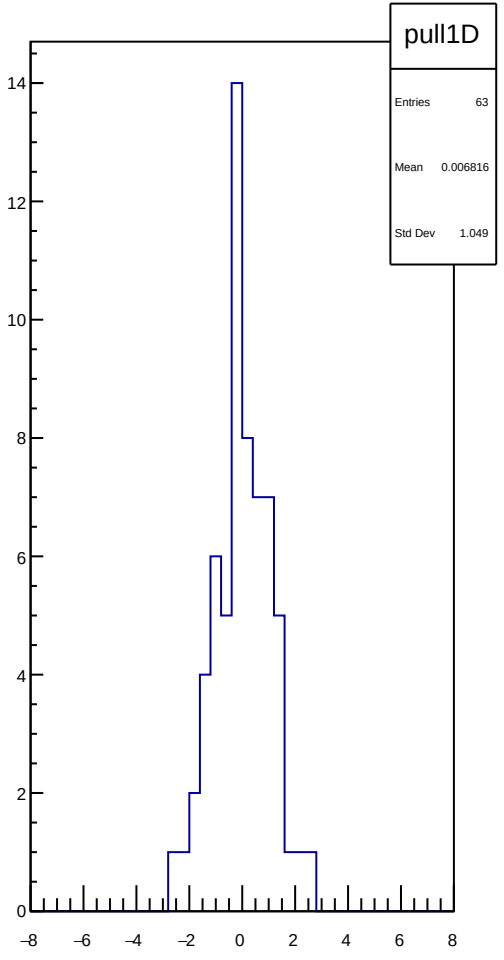

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.044e+05 / 62
p0 4.614e−11 ± 6.483e−14
3000
2500
2000
1500
1000
500
0

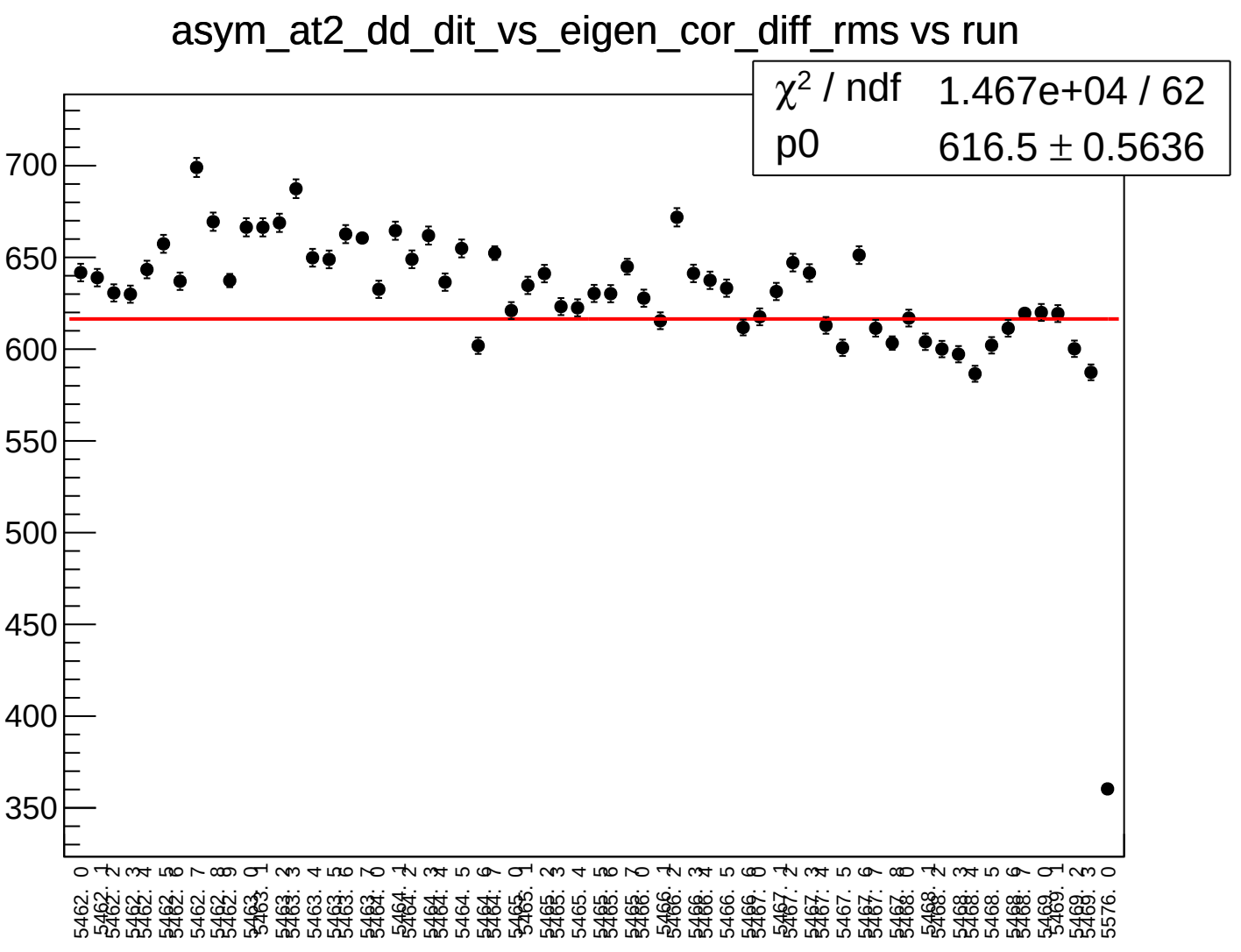

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.28 / 62
p0 −0.3136 ± 0.7971
pull
Entries 63
Mean 315.9
Std Dev 0

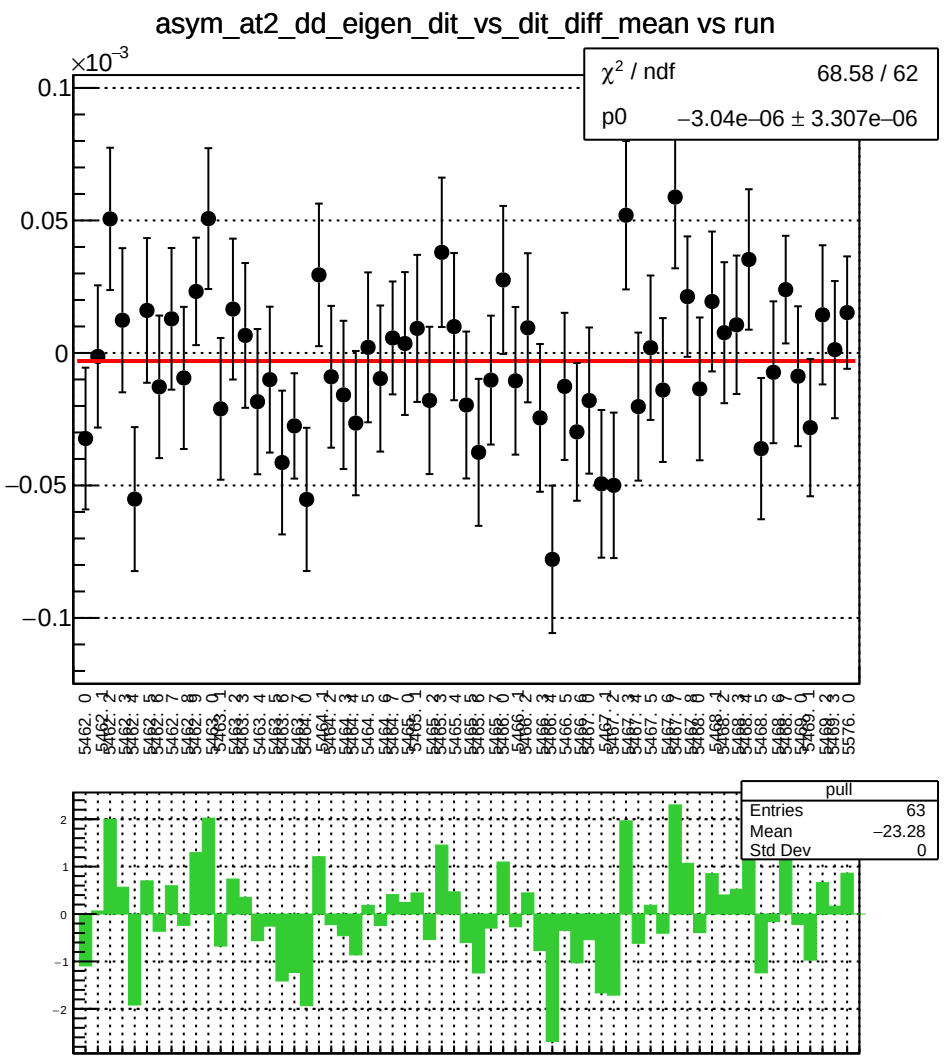

pull1D
Entries 63
Mean 0.006816
Std Dev 1.049

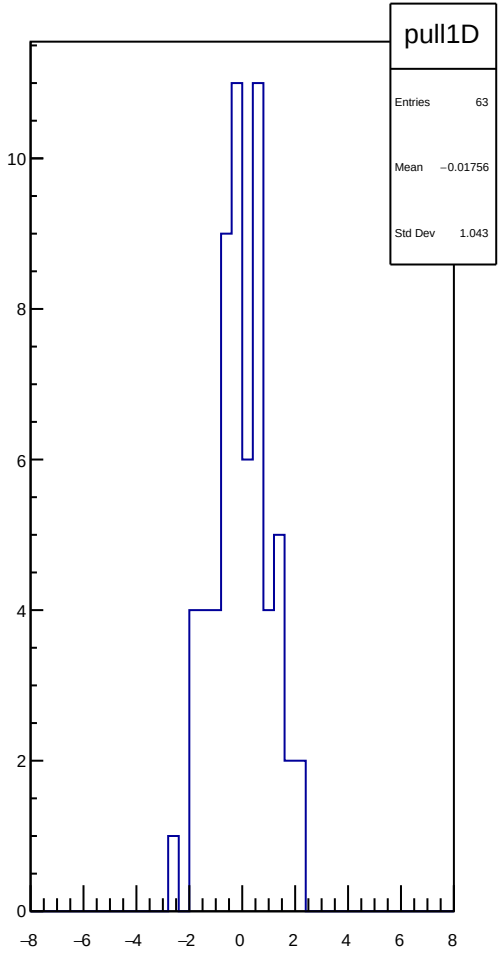

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.467e+04 / 62
p0 616.5 ± 0.5636
700
650
600
550
500
450
400
350

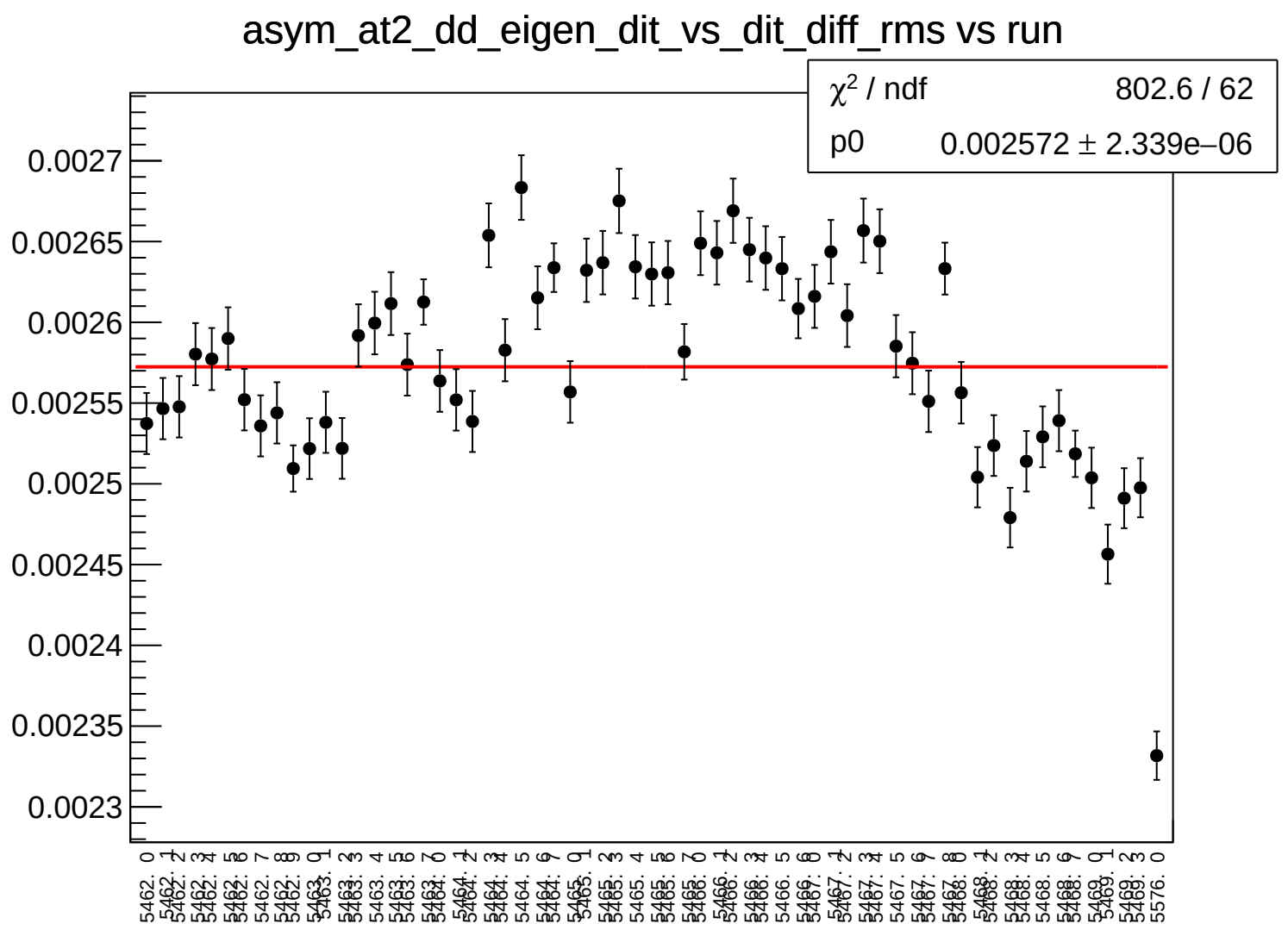

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.28 / 62
p0 −0.3136 ± 0.7971
pull
Entries 63
Mean 315.9
Std Dev 0

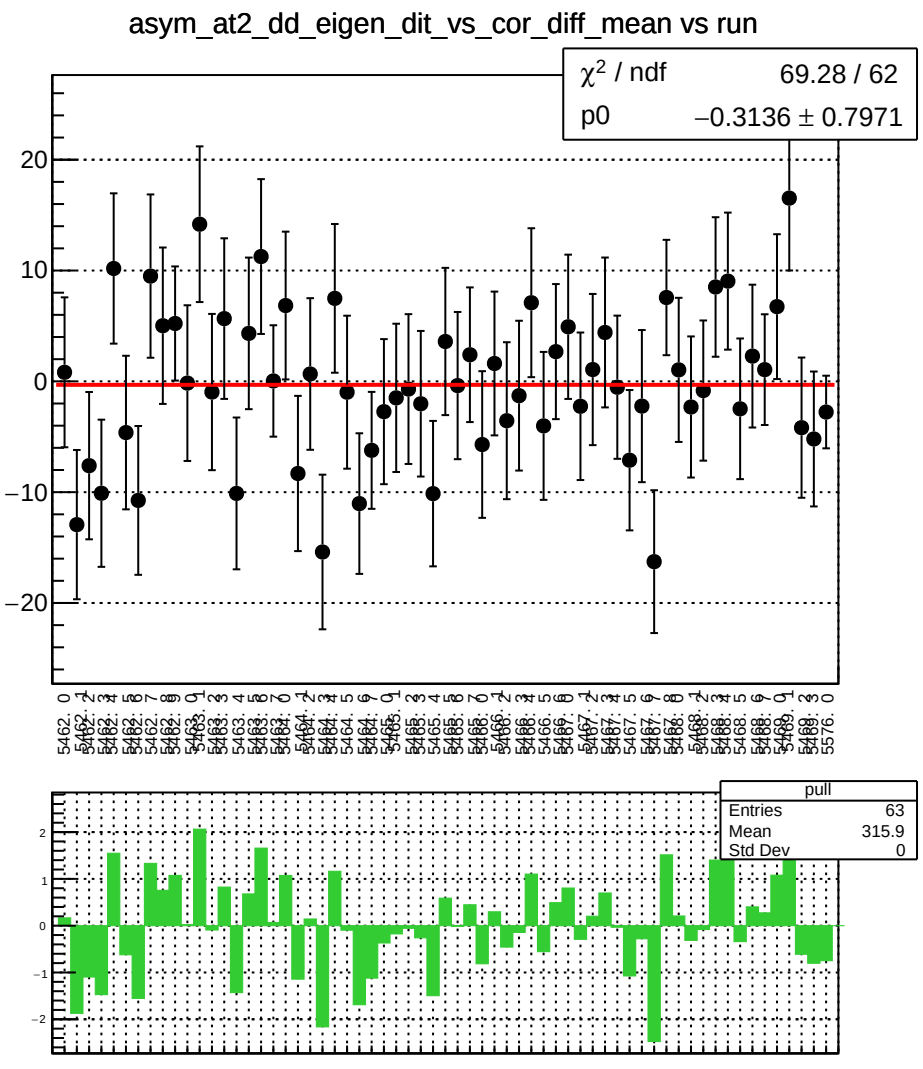

pull1D
Entries 63
Mean 0.006816
Std Dev 1.049

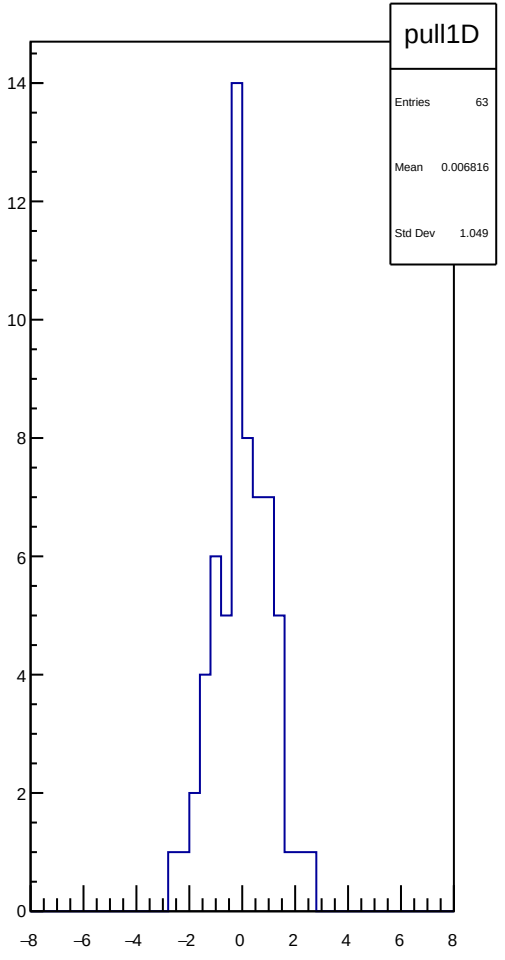

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.467e+04 / 62
p0 616.5 ± 0.5636
700
650
600
550
500
450
400
350

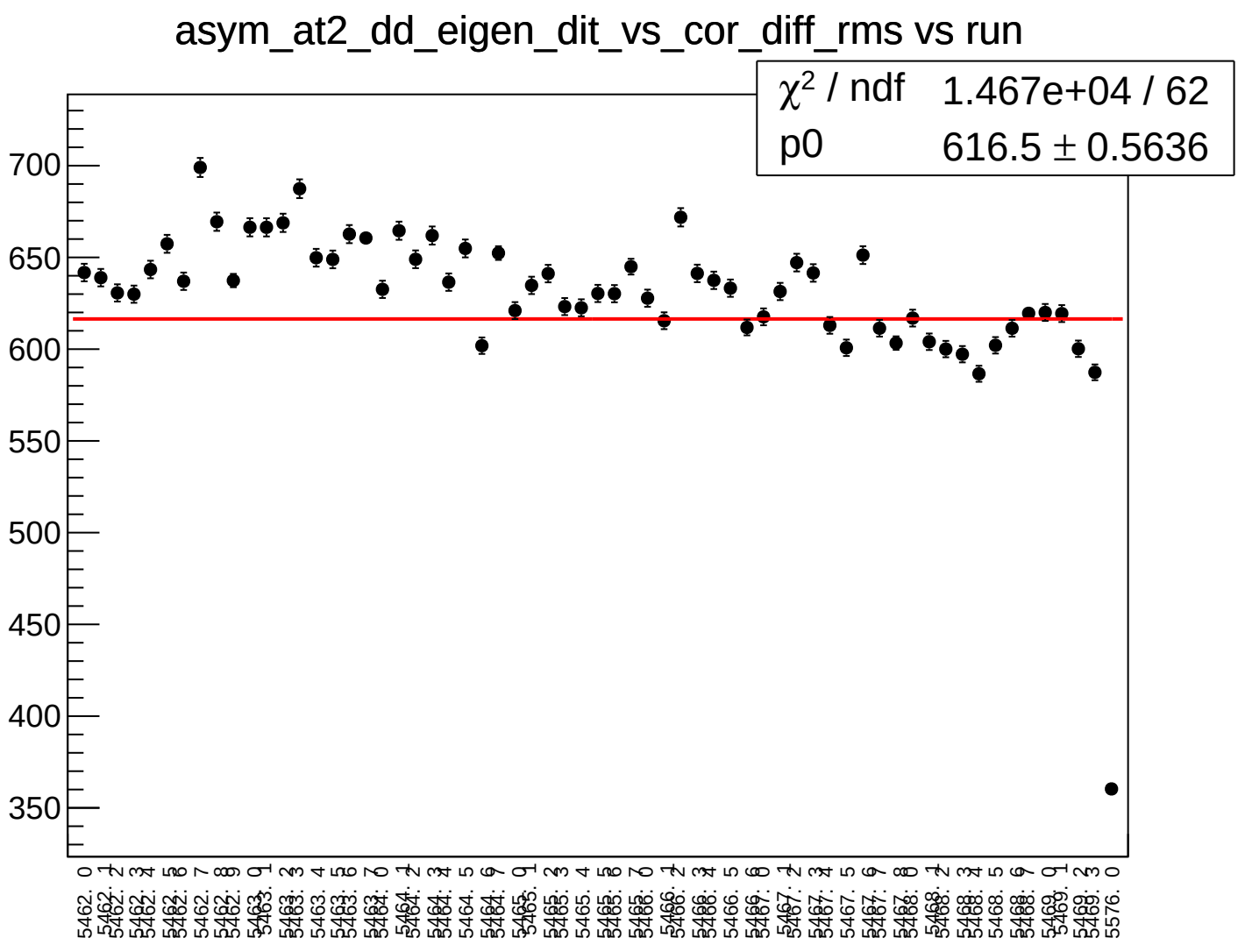

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.58 / 62
p0 −3.04e−06 ± 3.307e−06
pull
Entries 63
Mean −23.28
Std Dev 0

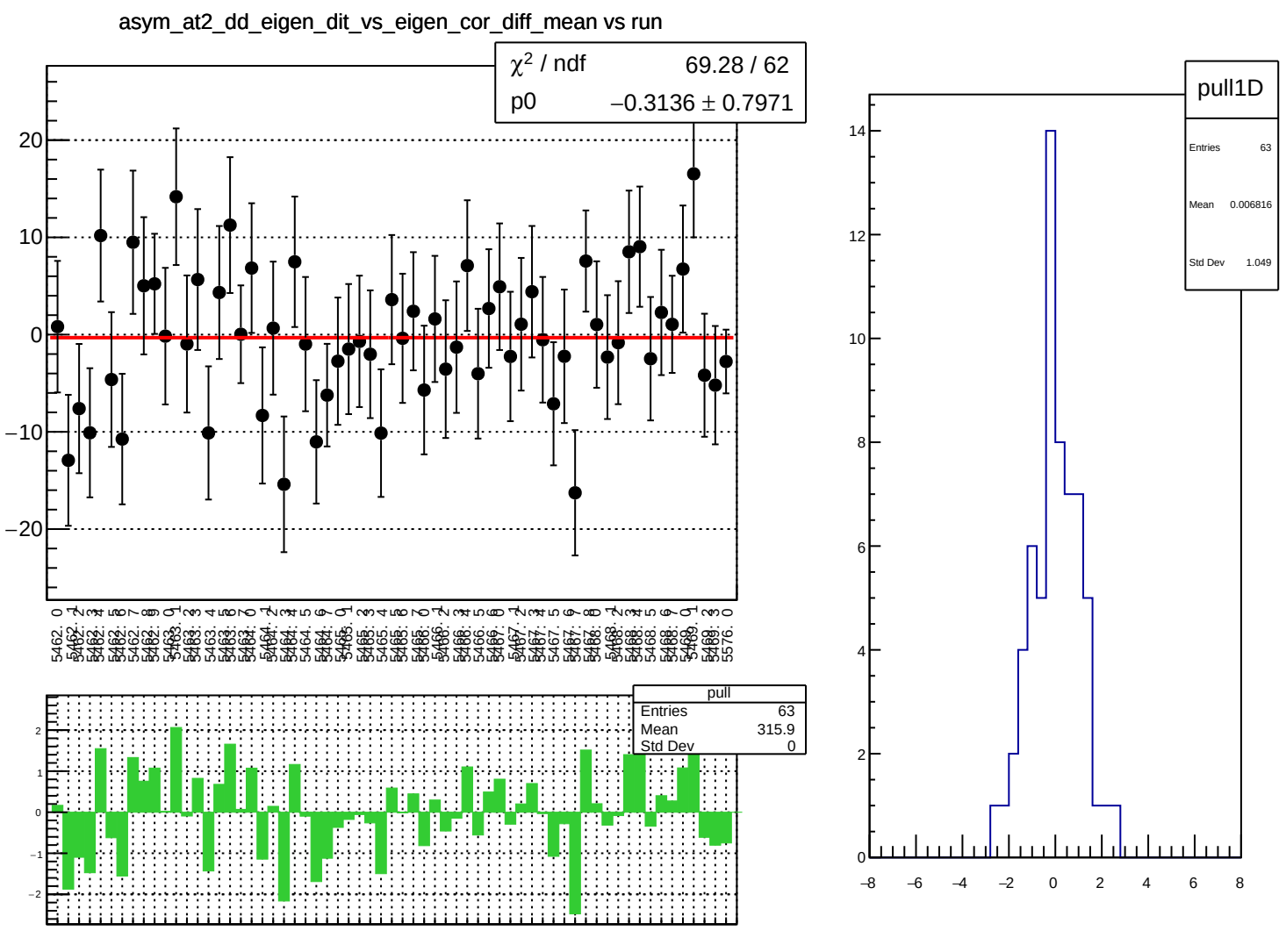

pull1D
Entries 63
Mean −0.01756
Std Dev 1.043

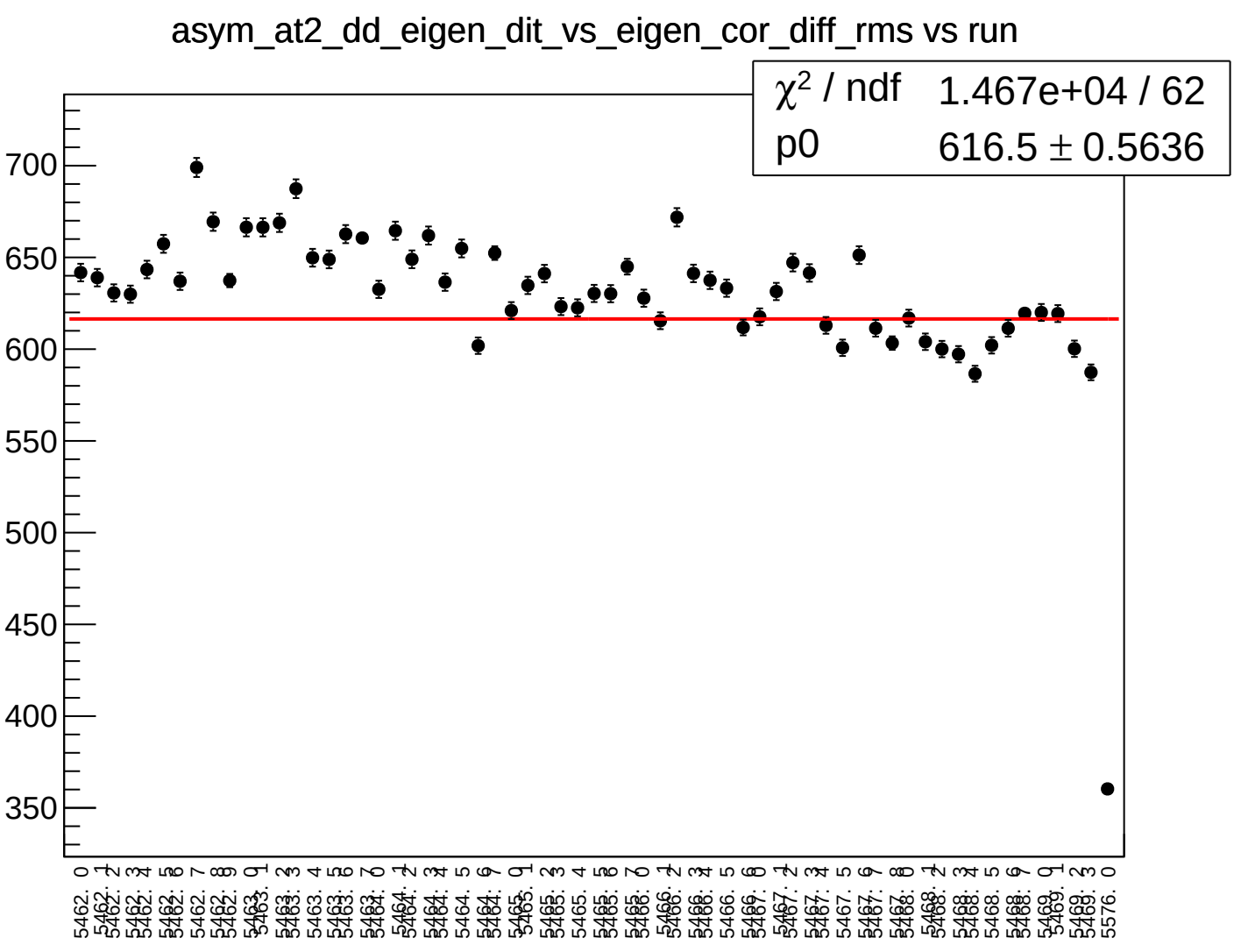

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 802.6 / 62
p0 0.002572 ± 2.339e−06
0.0027
0.00265
0.0026
0.00255
0.0025
0.00245
0.0024
0.00235
0.0023

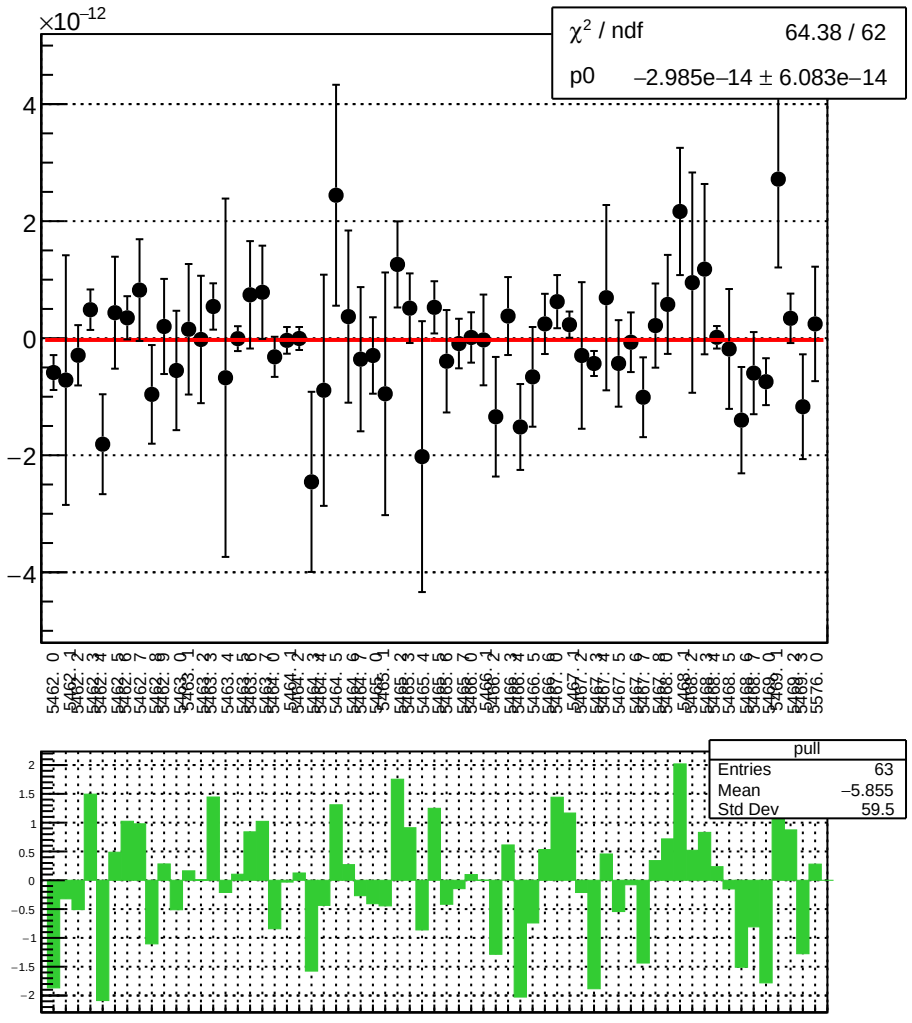

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.28 / 62
p0 −0.3136 ± 0.7971
pull
Entries 63
Mean 315.9
Std Dev 0

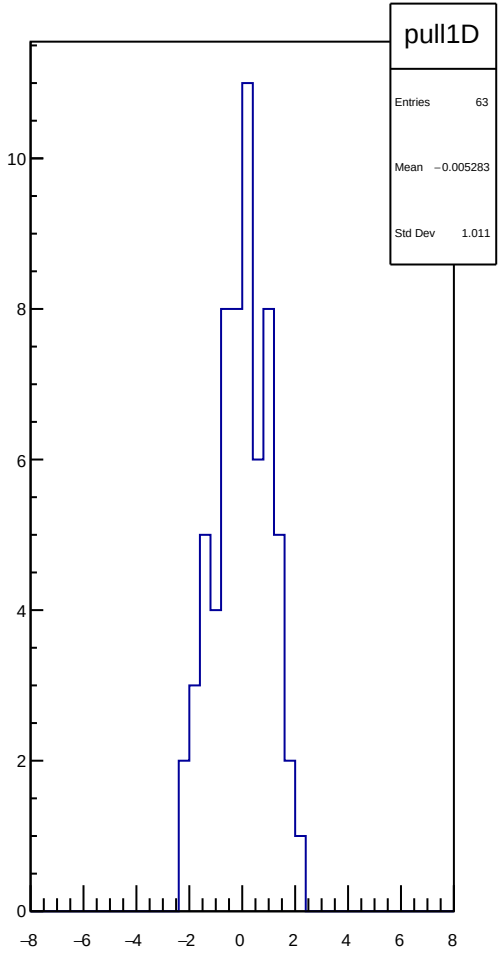

pull1D
Entries 63
Mean 0.006816
Std Dev 1.049

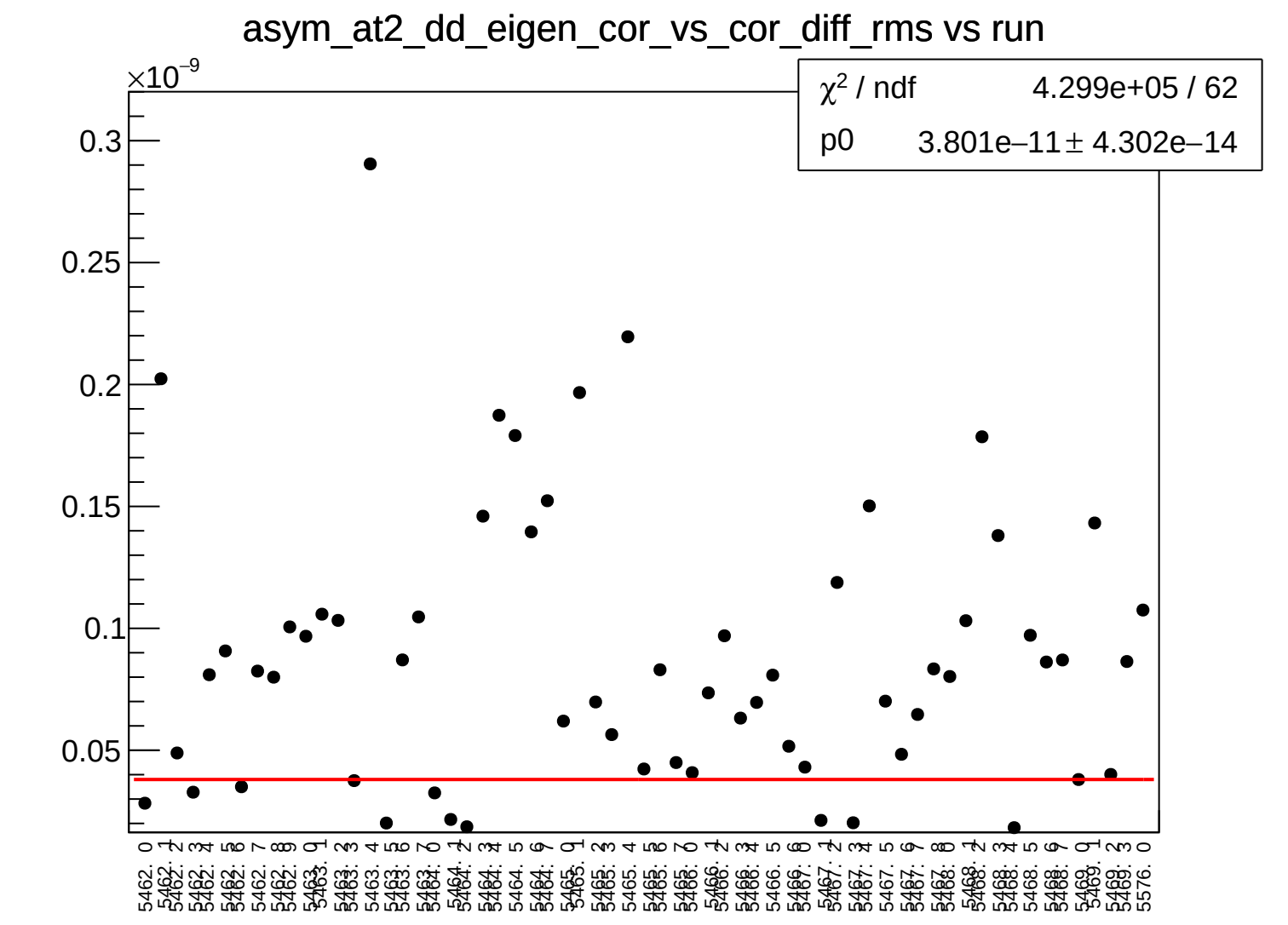

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.467e+04 / 62
p0 616.5 ± 0.5636
700
650
600
550
500
450
400
350

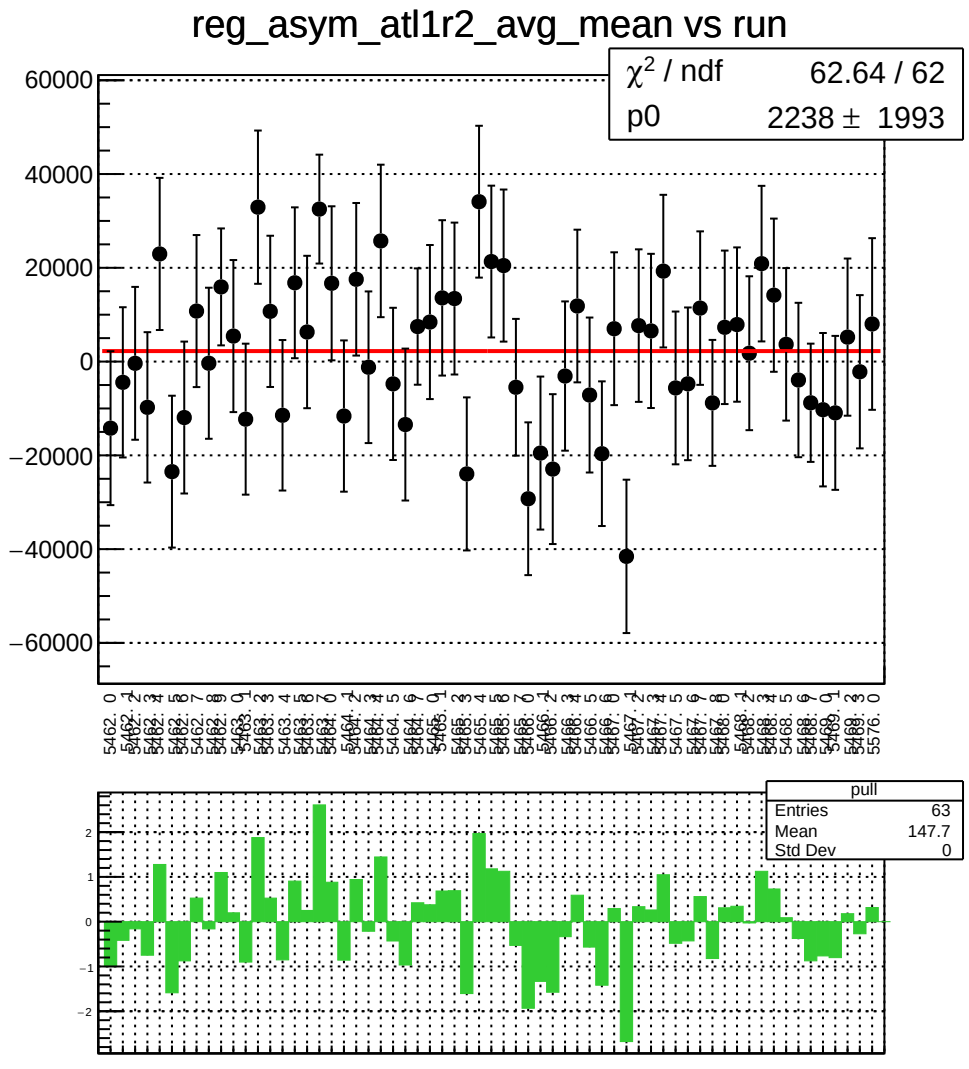

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.28 / 62
p0 −0.3136 ± 0.7971
pull
Entries 63
Mean 315.9
Std Dev 0
pull1D
Entries 63
Mean 0.006816
Std Dev 1.049

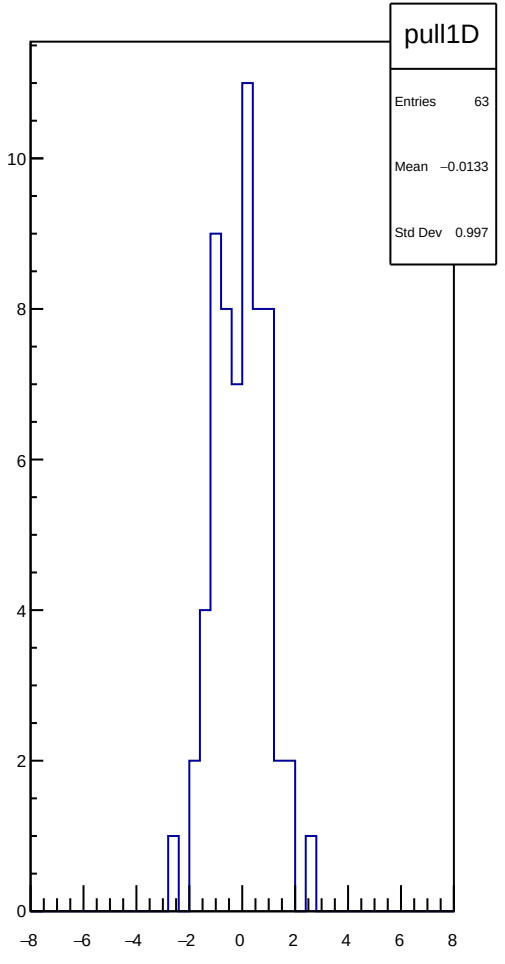

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.467e+04 / 62
p0 616.5 ± 0.5636
700
650
600
550
500
450
400
350

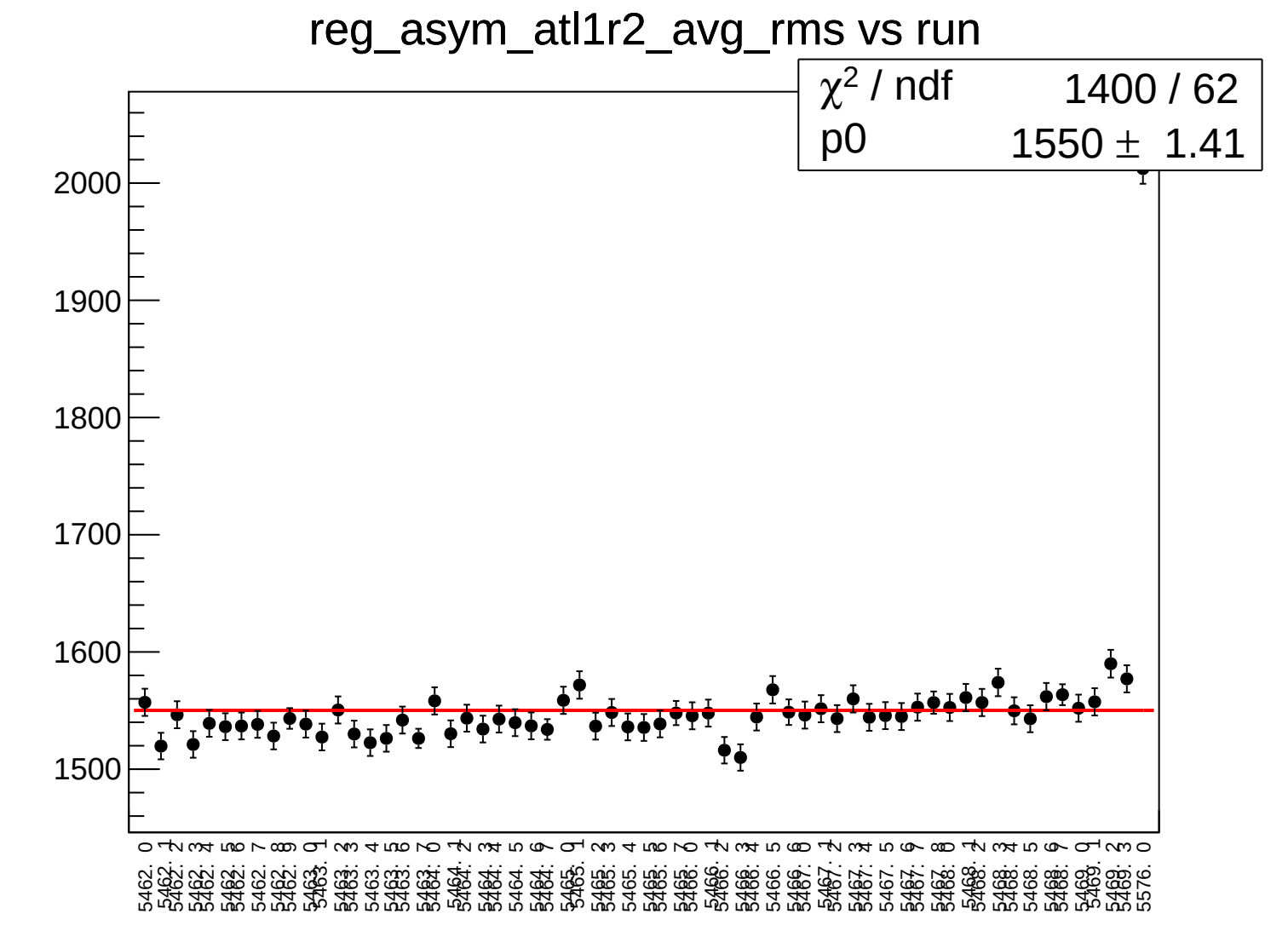

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.38 / 62
p0 −2.985e−14 ± 6.083e−14
pull
Entries 63
Mean −5.855
Std Dev 59.5

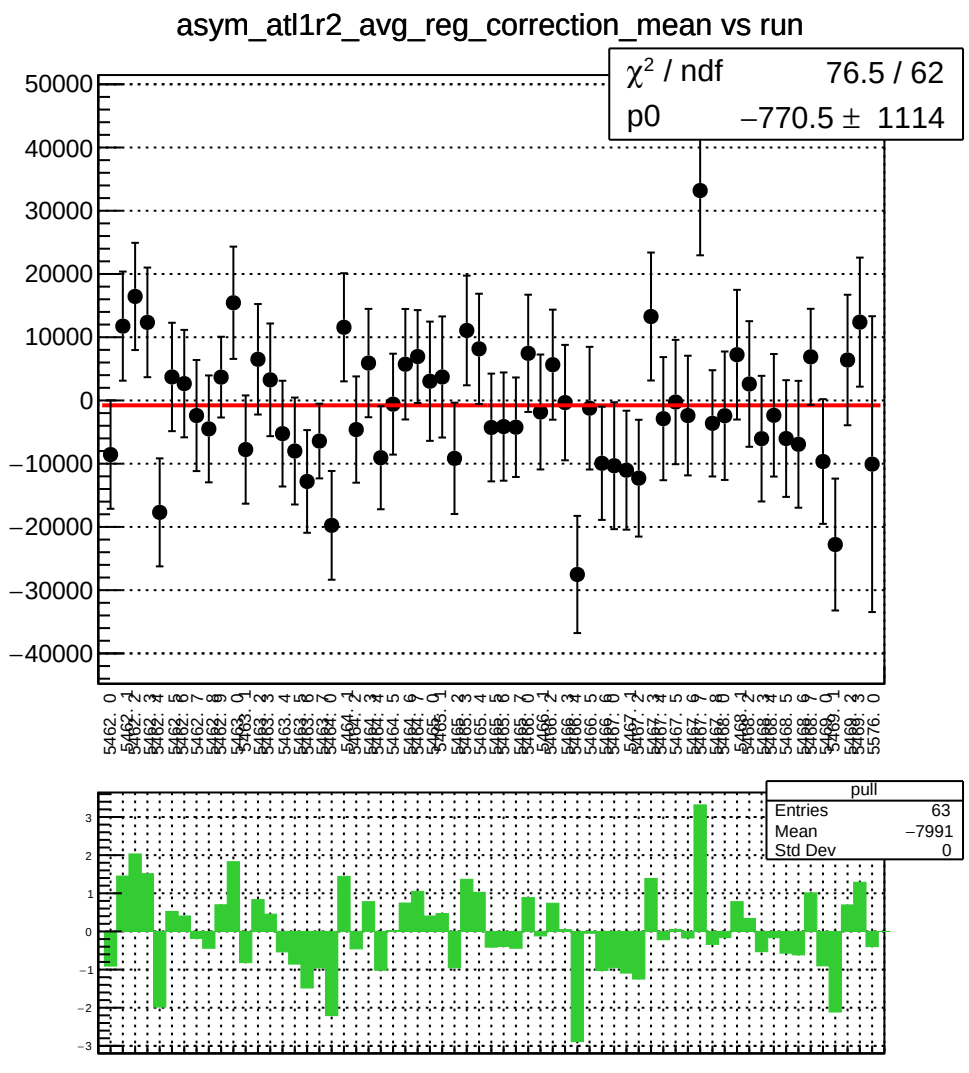

pull1D
Entries 63
Mean −0.005283
Std Dev 1.011

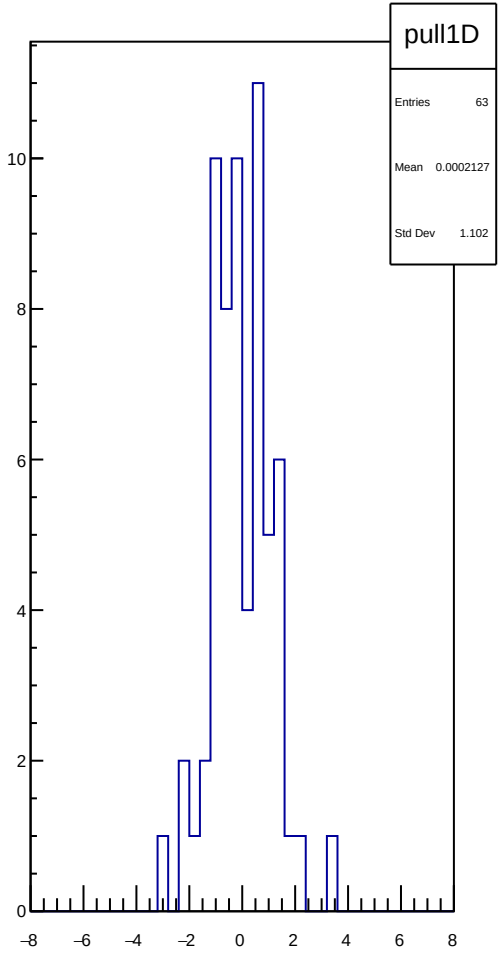

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.299e+05 / 62
p0 3.801e−11 ± 4.302e−14
0.3
0.25
0.2
0.15
0.1
0.05

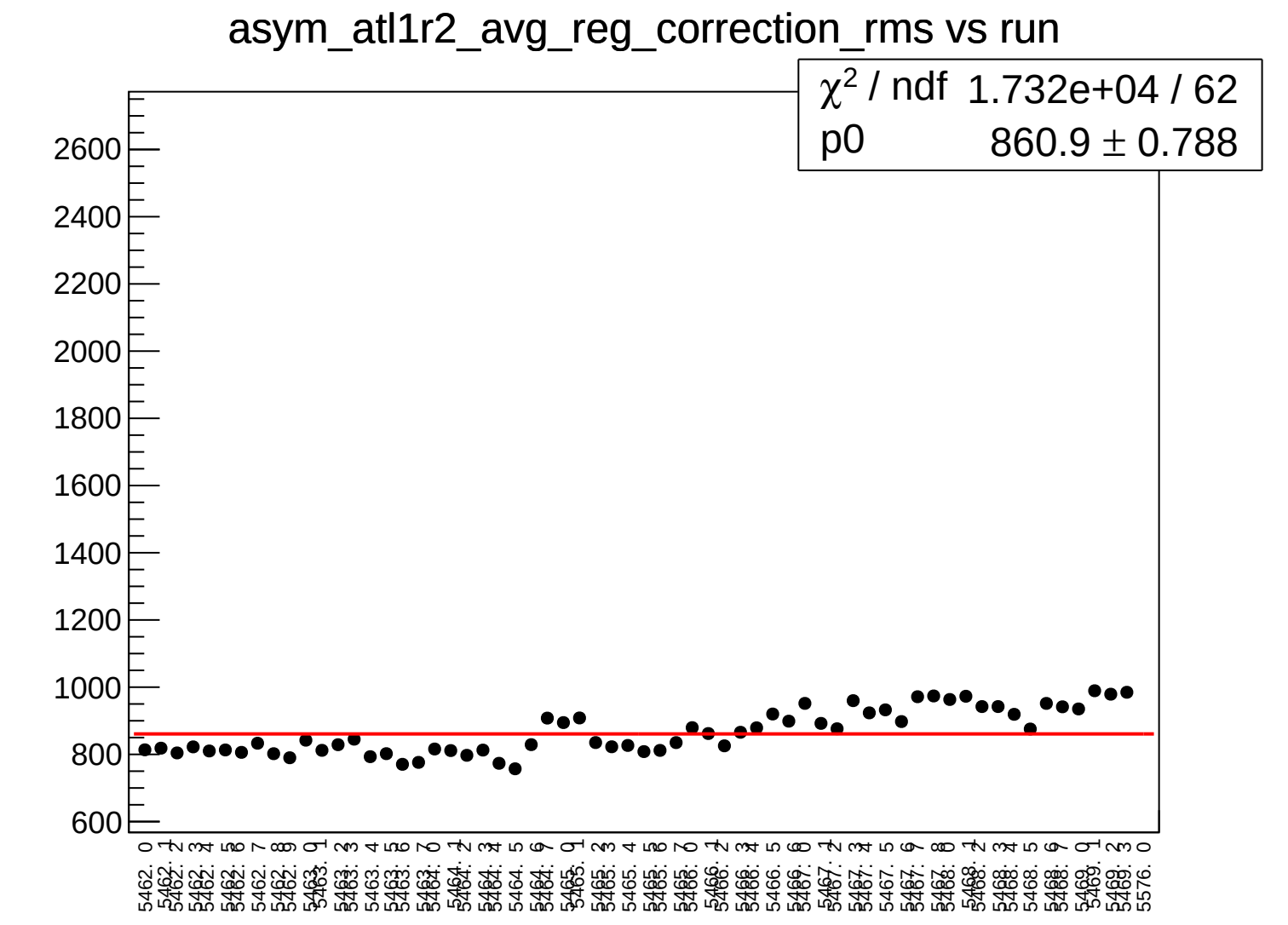

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 62.64 / 62
p0 2238 ± 1993
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 147.7
Std Dev 0
2
1
0
−1
−2

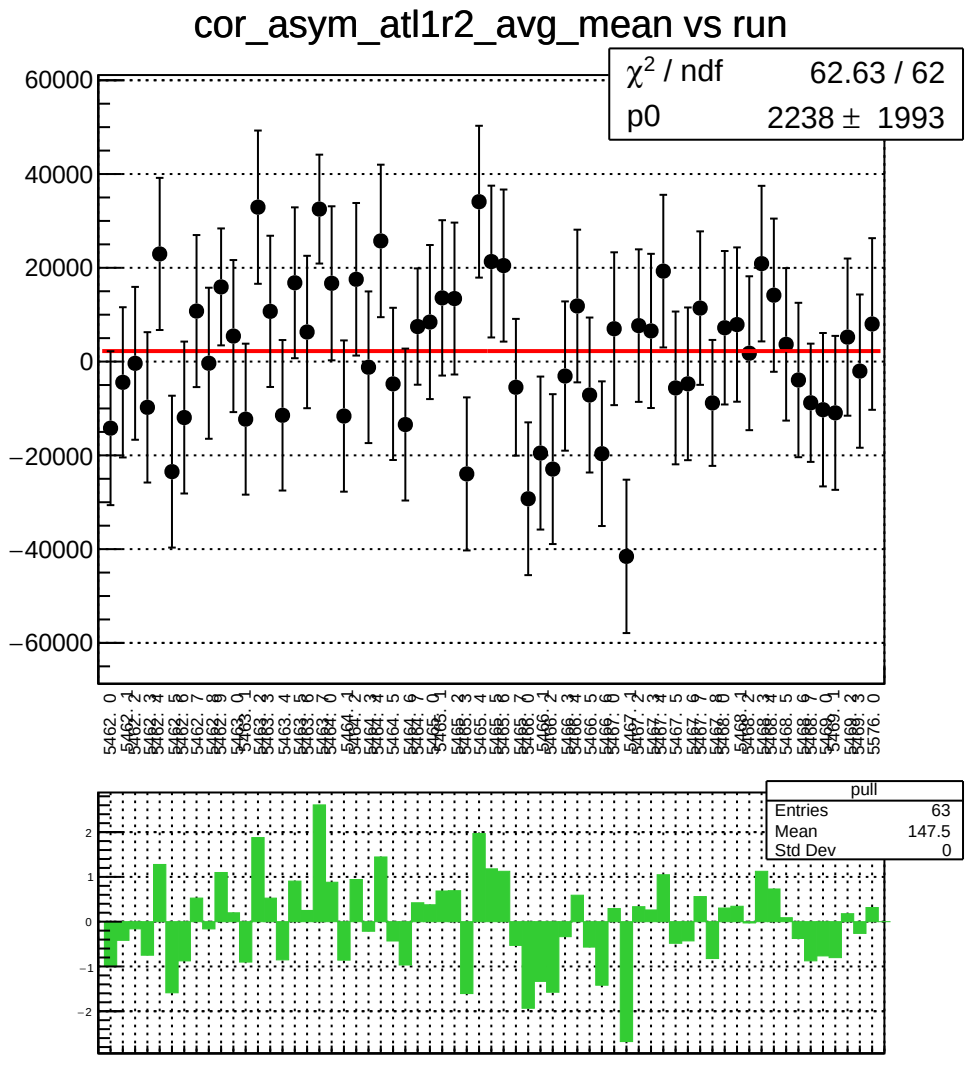

pull1D
Entries 63
Mean −0.0133
Std Dev 0.997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

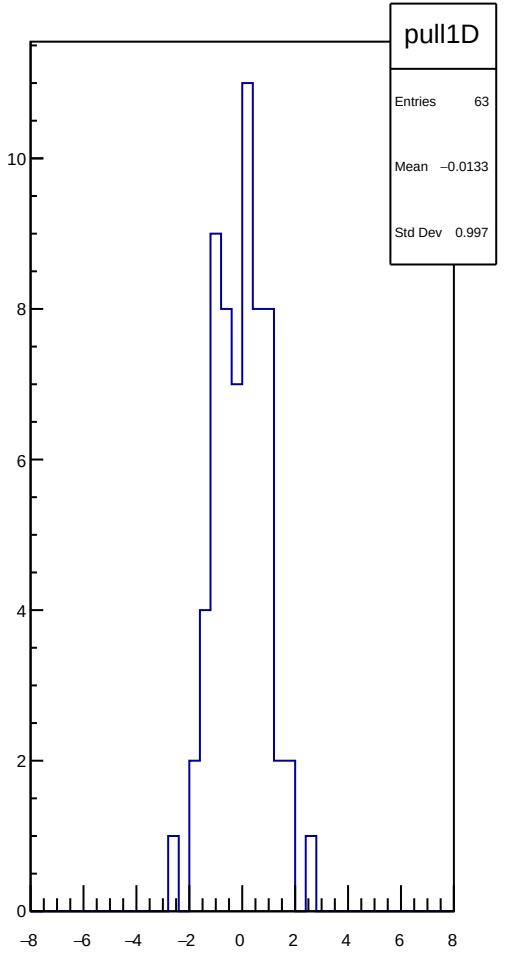

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1400 / 62
p0 1550 ± 1.41
2000
1900
1800
1700
1600
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

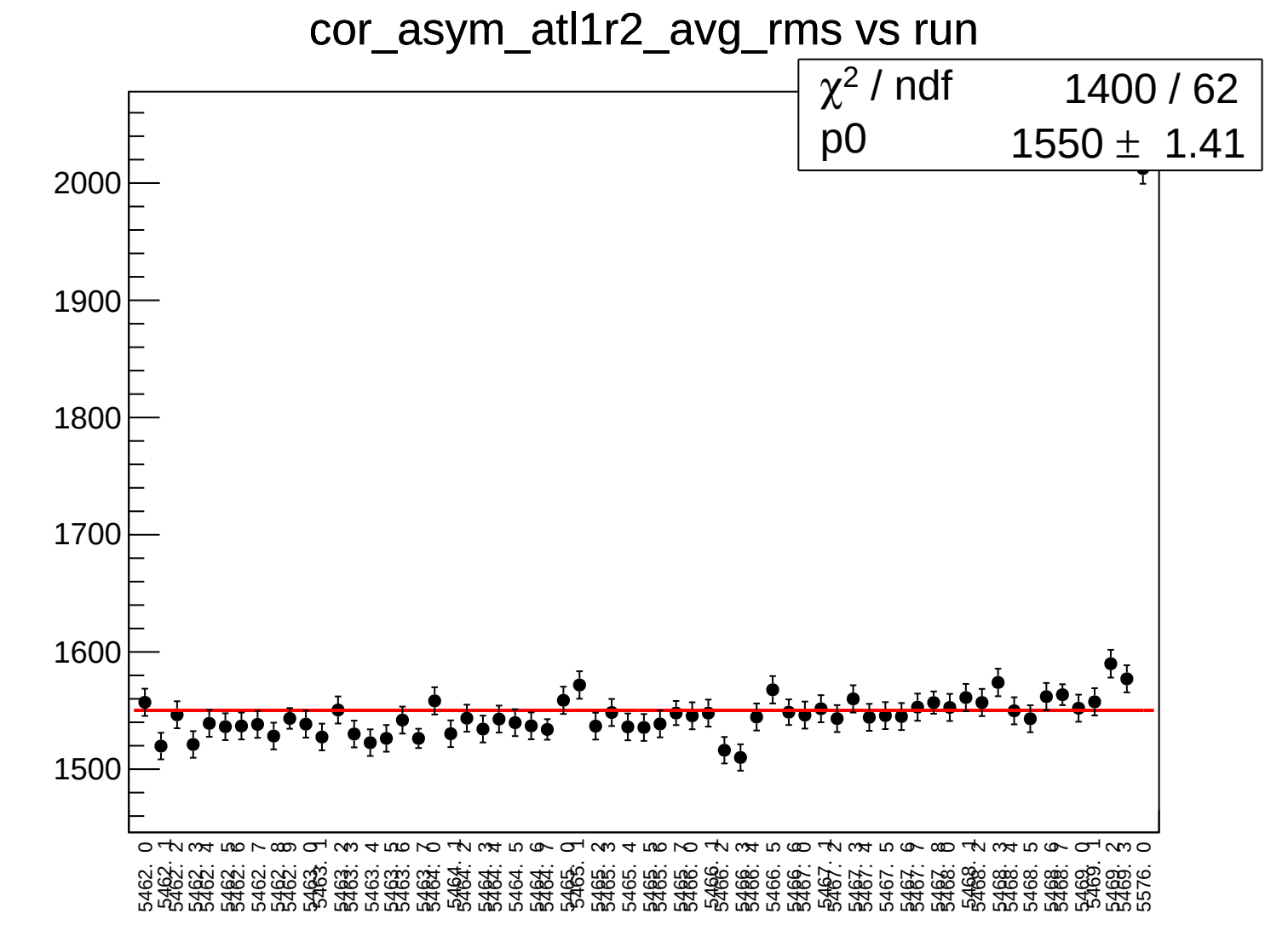

asym_atl1r2_avg_reg_correction_mean vs run
χ² / ndf 76.5 / 62
p0 −770.5 ± 1114
pull
Entries 63
Mean −7991
Std Dev 0

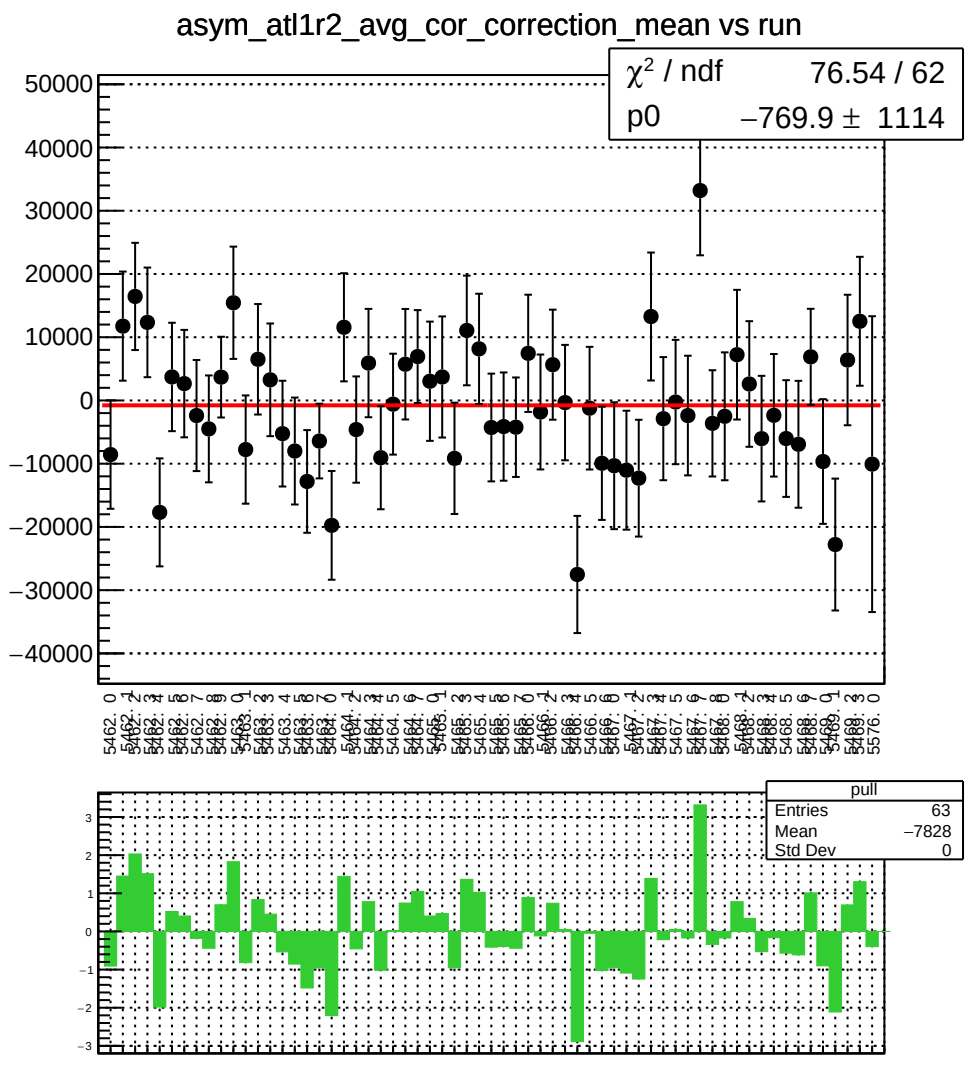

pull1D
Entries 63
Mean 0.0002127
Std Dev 1.102

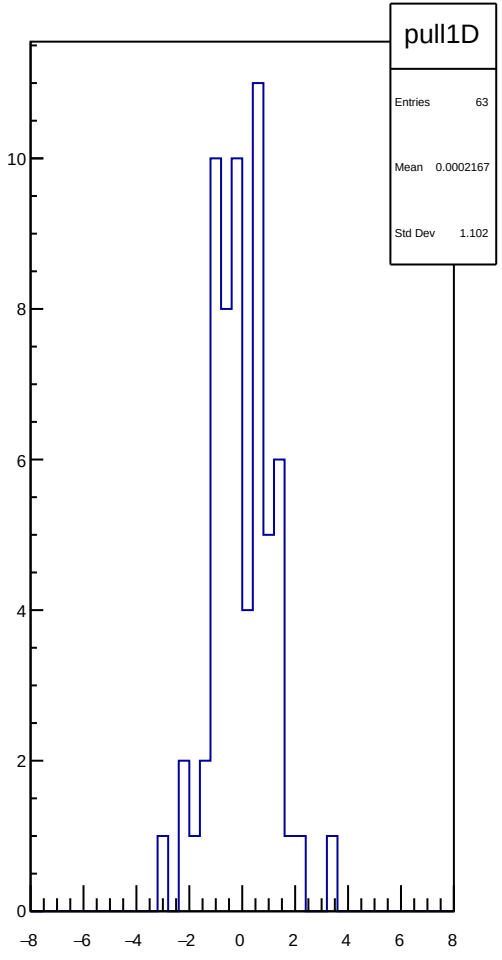

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 1.732e+04 / 62
p0 860.9 ± 0.788
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600

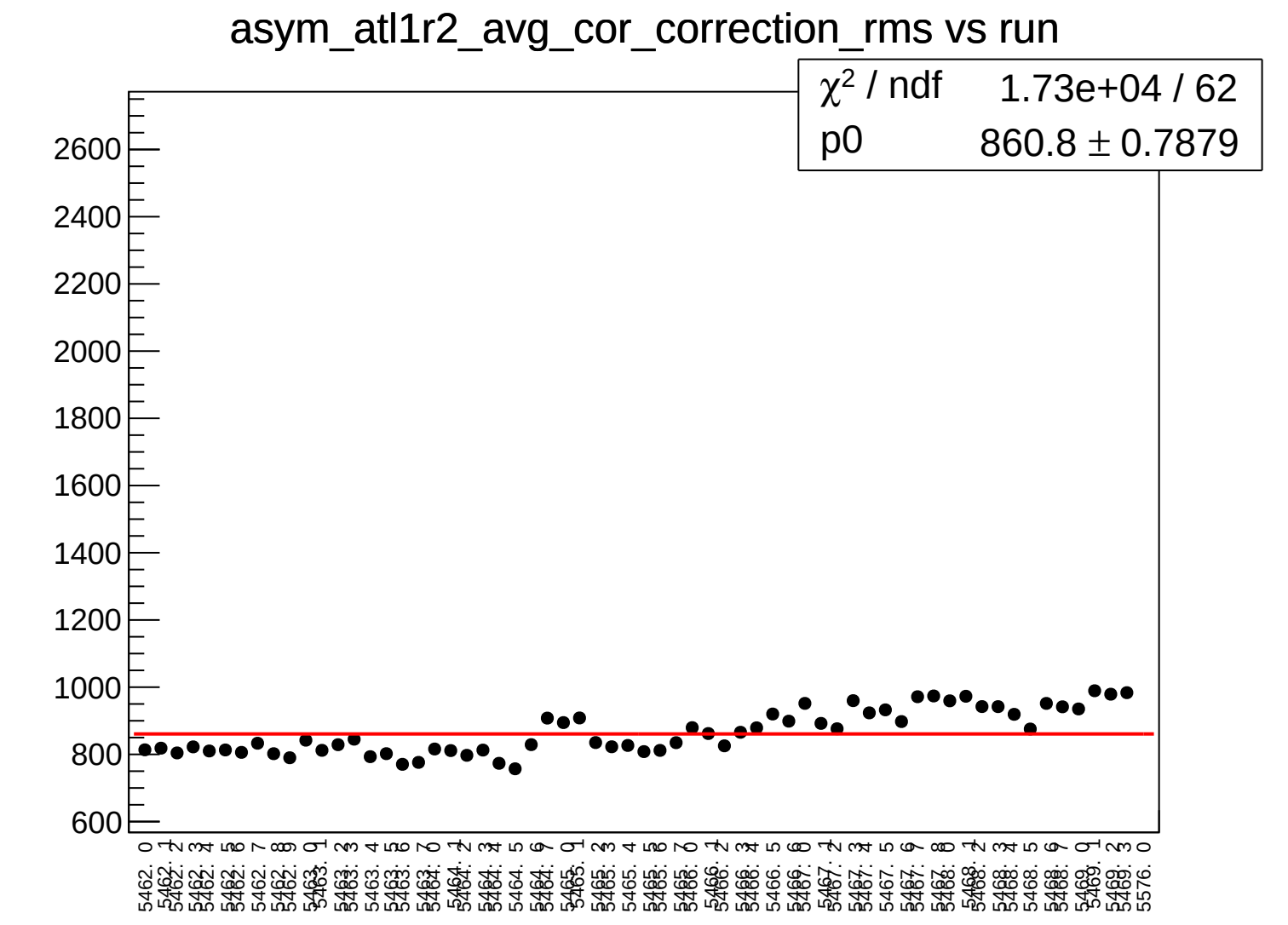

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 62.63 / 62
p0 2238 ± 1993
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 147.5
Std Dev 0
2
1
0
−1
−2

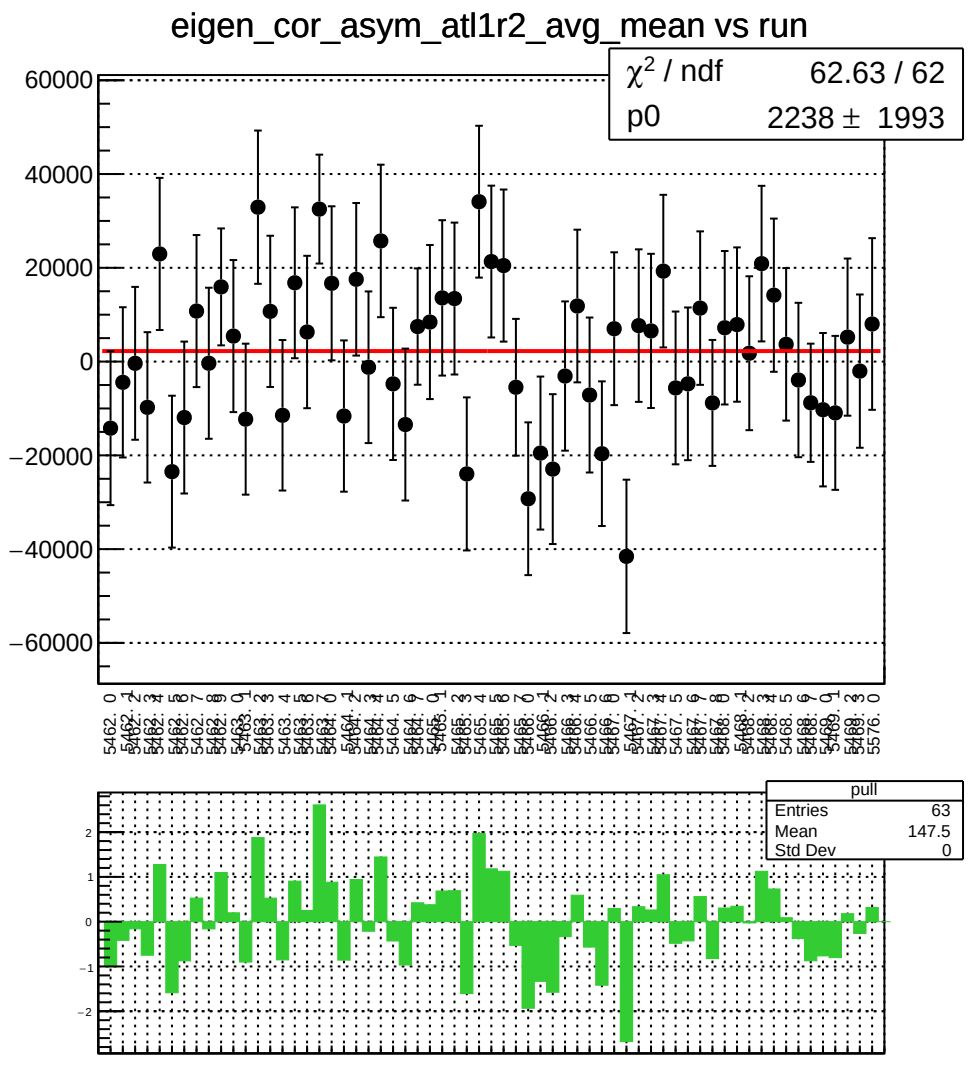

pull1D
Entries 63
Mean −0.0133
Std Dev 0.997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

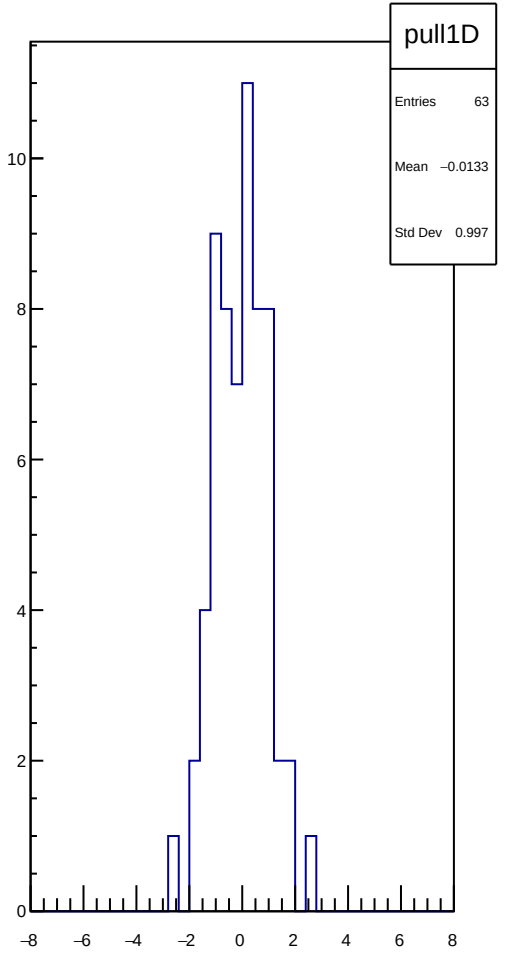

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 1400 / 62
p0 1550 ± 1.41
2000
1900
1800
1700
1600
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

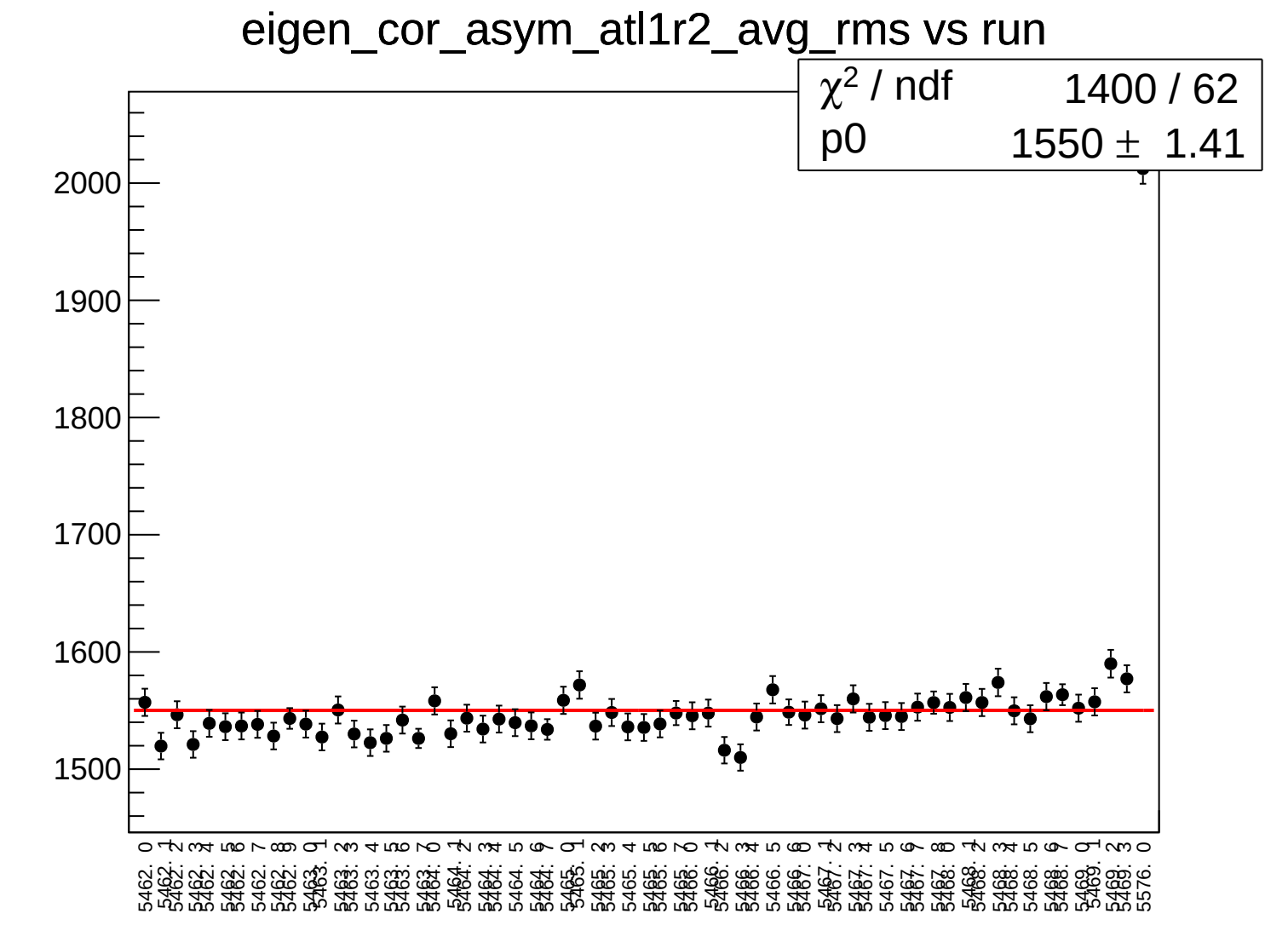

asym_atl1r2_avg_cor_correction_mean vs run
χ² / ndf 76.54 / 62
p0 −769.9 ± 1114
pull
Entries 63
Mean −7828
Std Dev 0

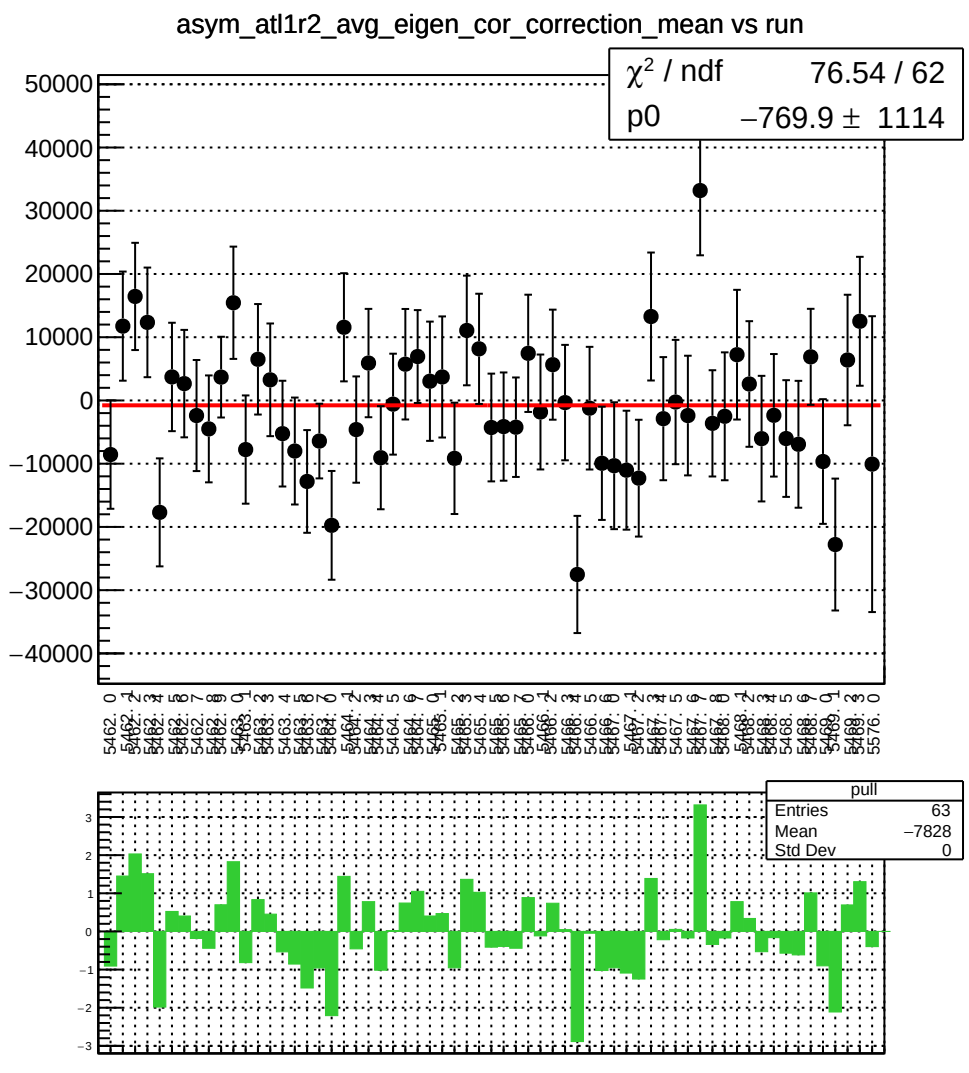

pull1D
Entries 63
Mean 0.0002167
Std Dev 1.102

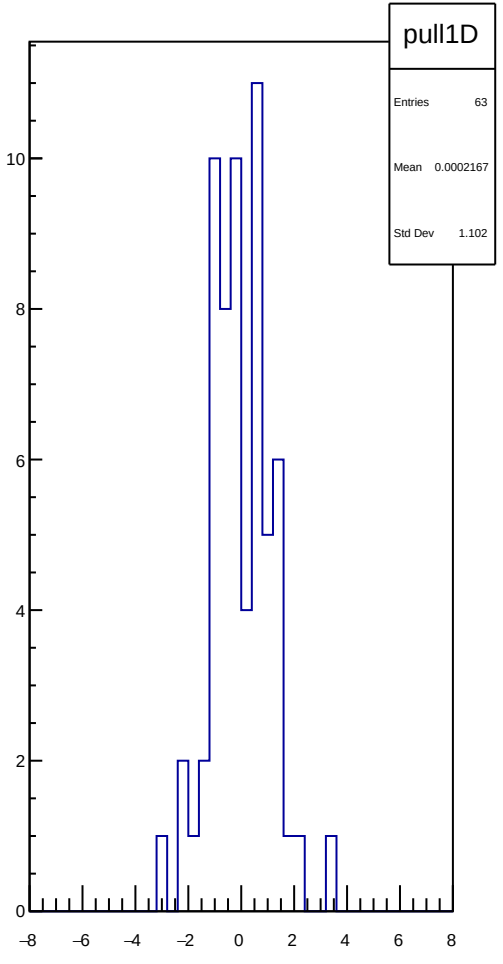

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 1.73e+04 / 62
p0 860.8 ± 0.7879
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600

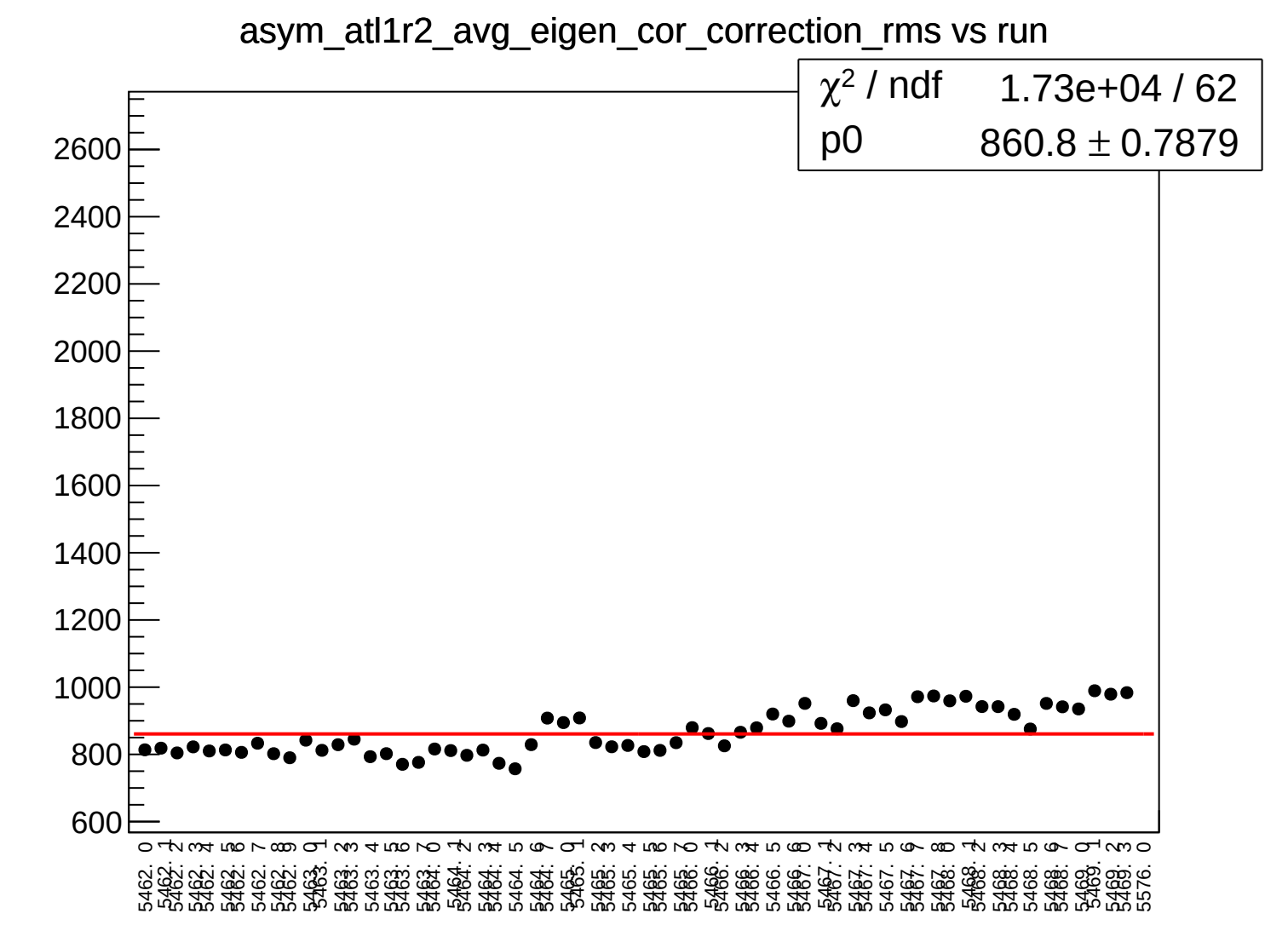

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 62.63 / 62
p0 2238 ± 1993
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 147.5
Std Dev 0
2
1
0
−1
−2

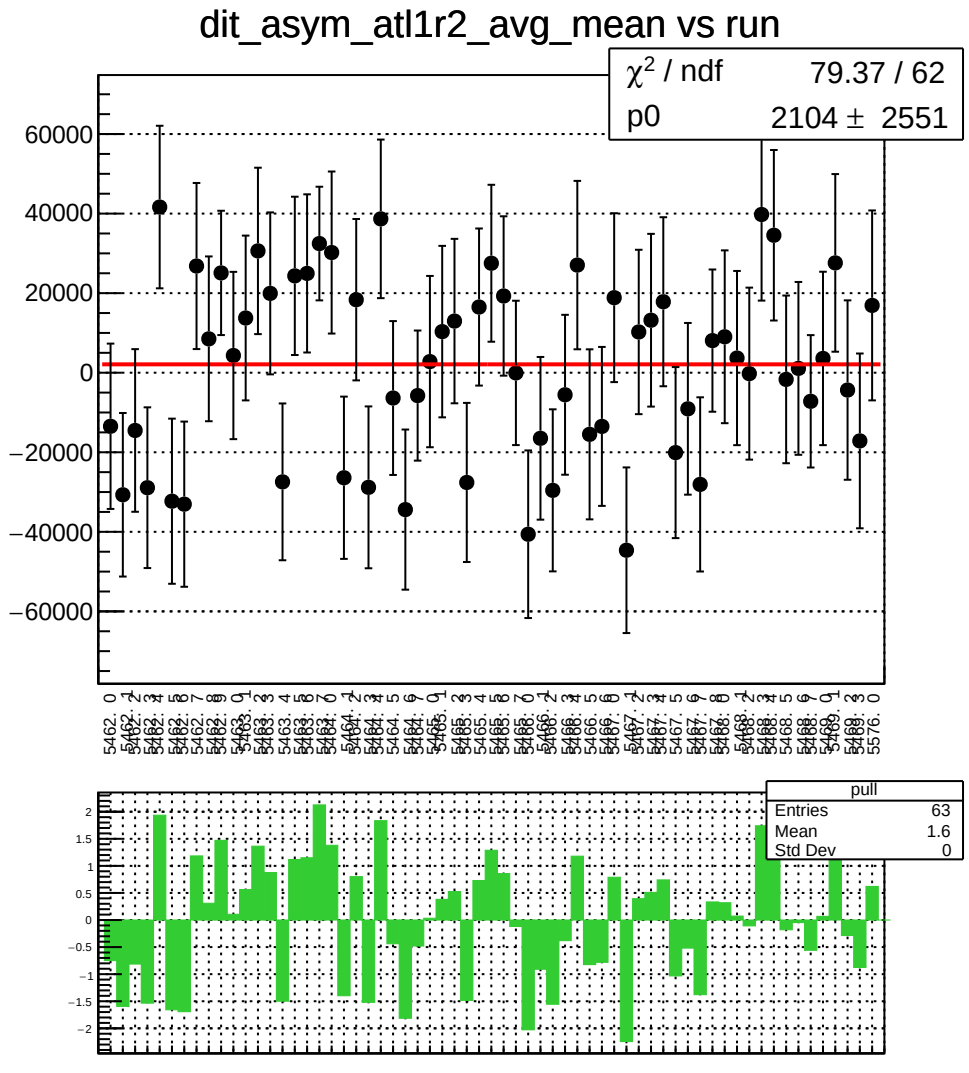

pull1D
Entries 63
Mean −0.0133
Std Dev 0.997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

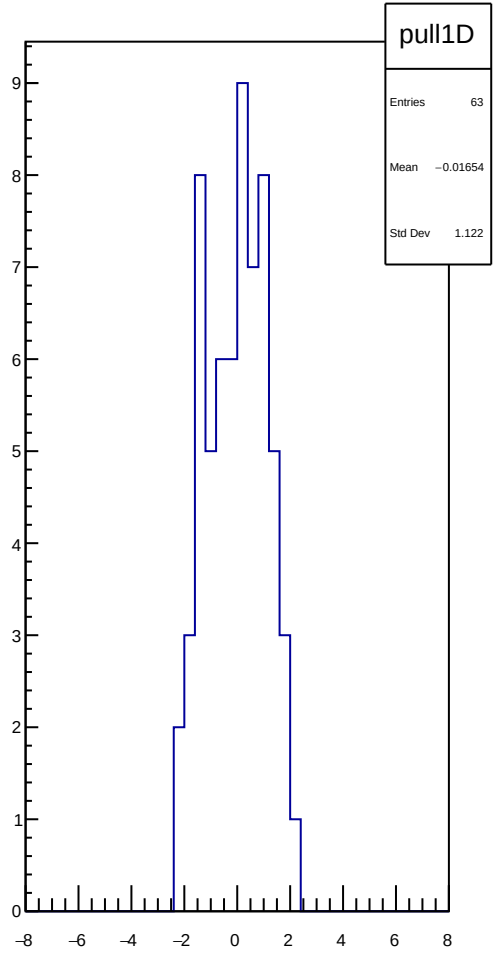

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 1400 / 62
p0 1550 ± 1.41
2000
1900
1800
1700
1600
1500

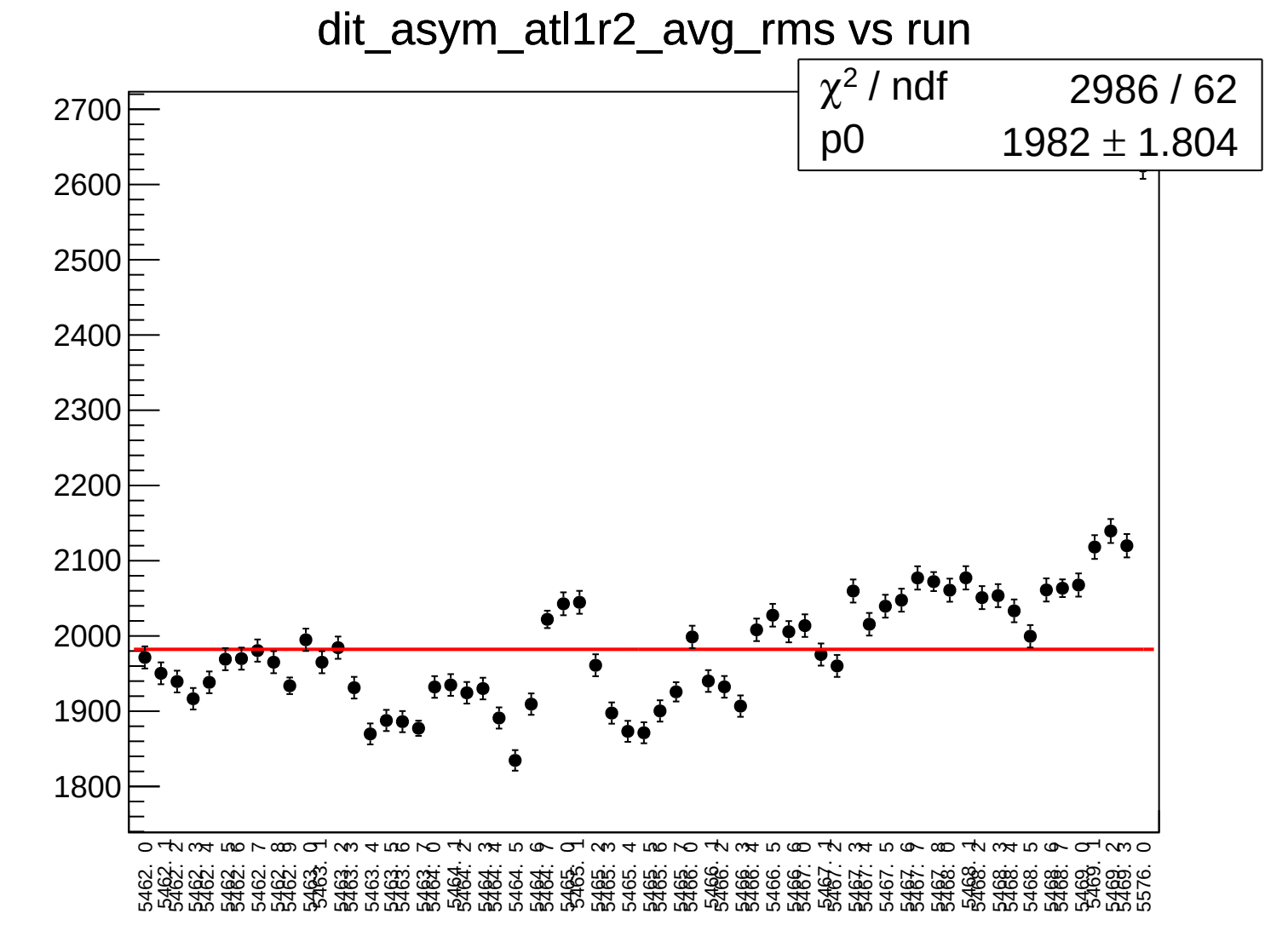

asym_atl1r2_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.54 / 62
p0 −769.9 ± 1114
pull
Entries 63
Mean −7828
Std Dev 0

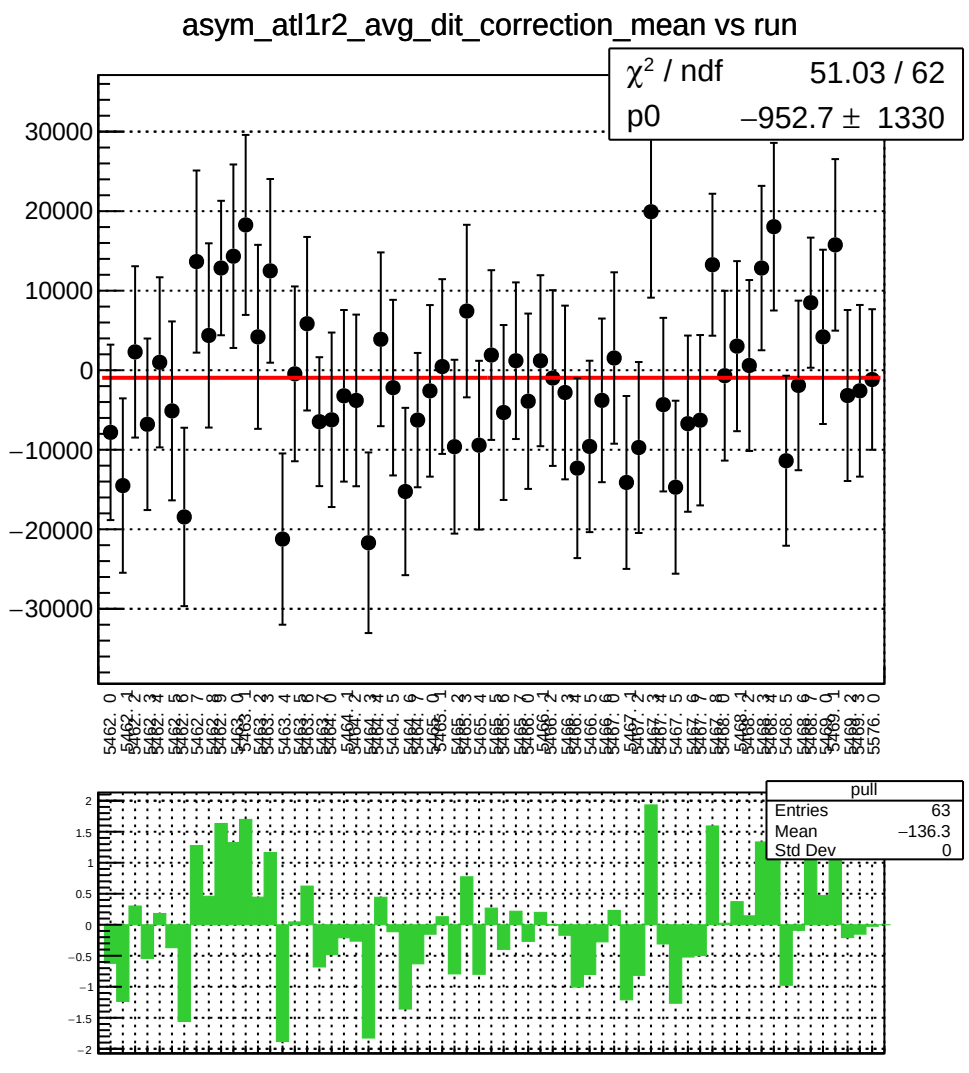

pull1D
Entries 63
Mean 0.0002167
Std Dev 1.102

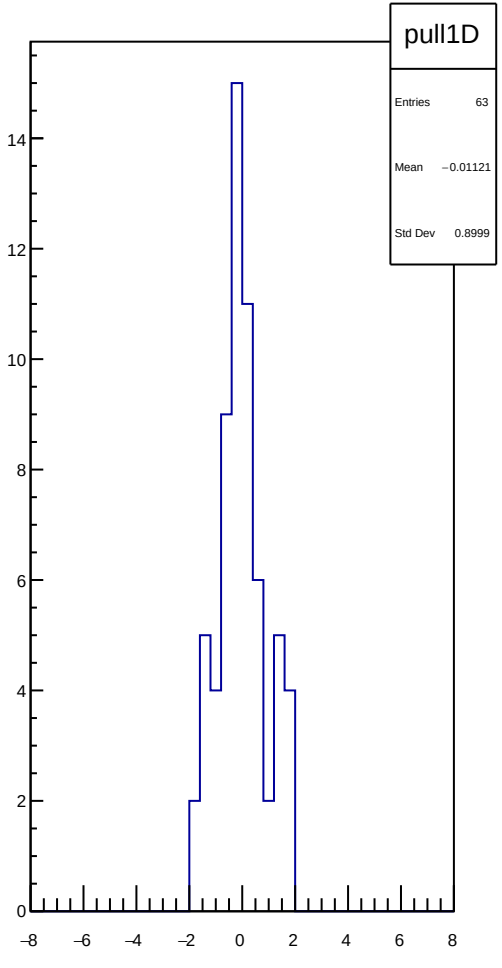

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.73e+04 / 62
p0 860.8 ± 0.7879
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600

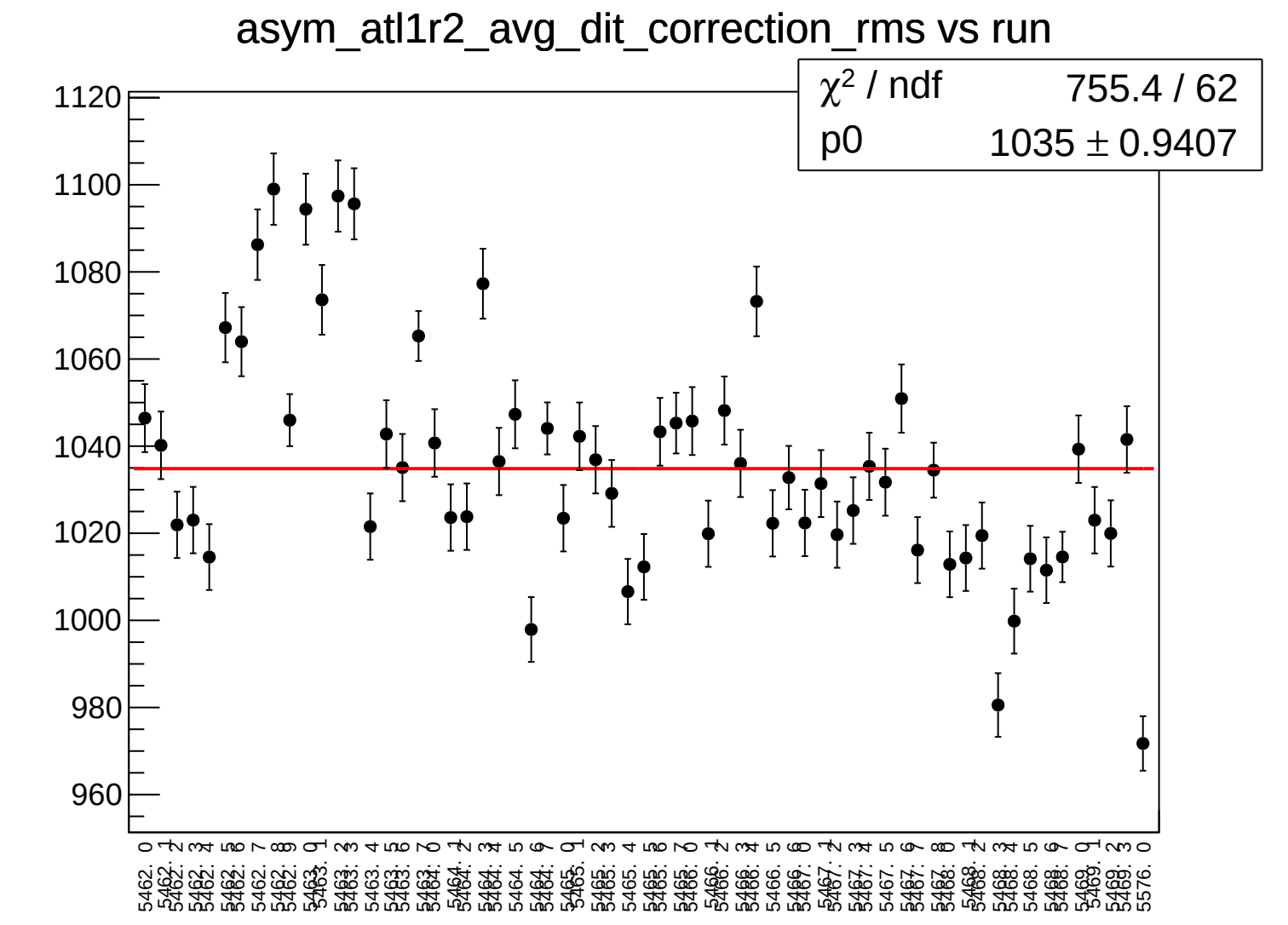

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 79.37 / 62
p0 2104 ± 2551
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 1.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

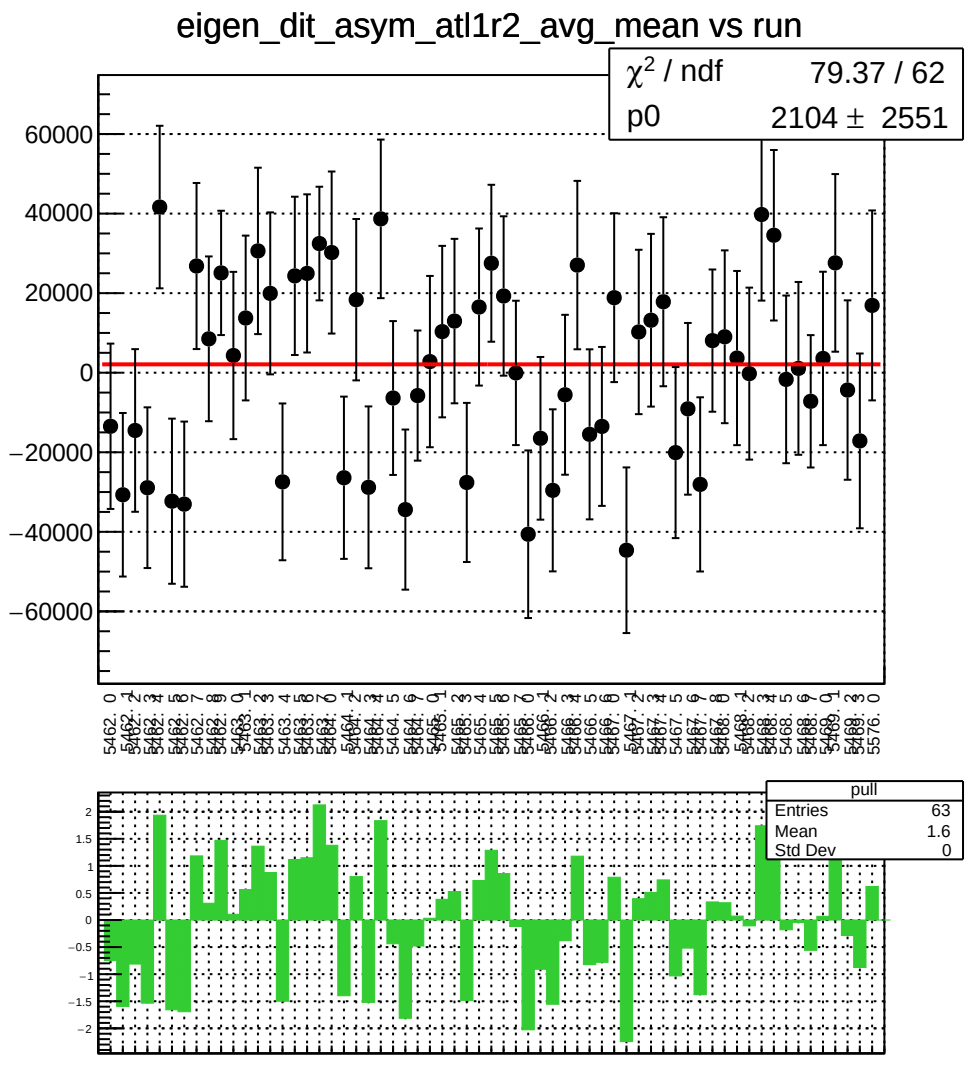

pull1D
Entries 63
Mean −0.01654
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

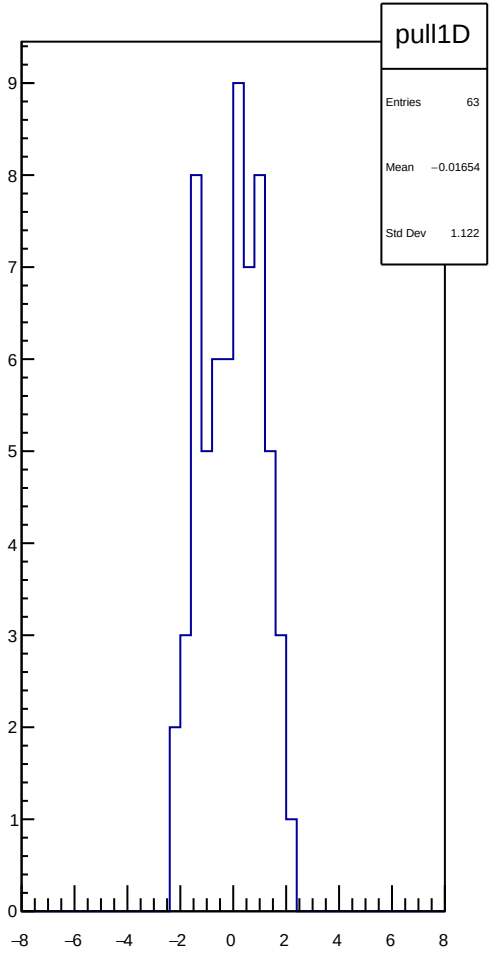

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 2986 / 62
p0 1982 ± 1.804
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800

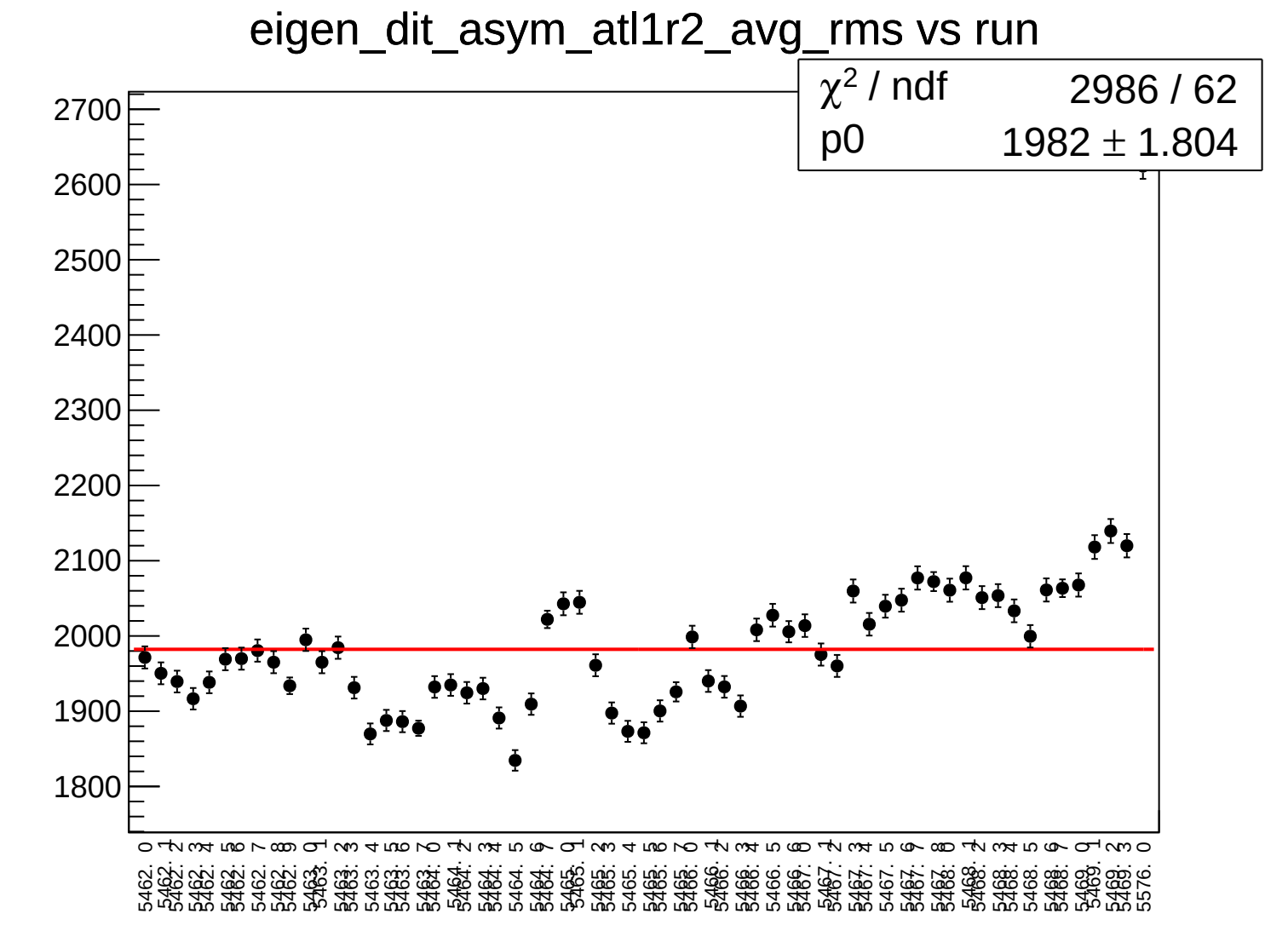

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 51.03 / 62
p0 −952.7 ± 1330
pull
Entries 63
Mean −136.3
Std Dev 0

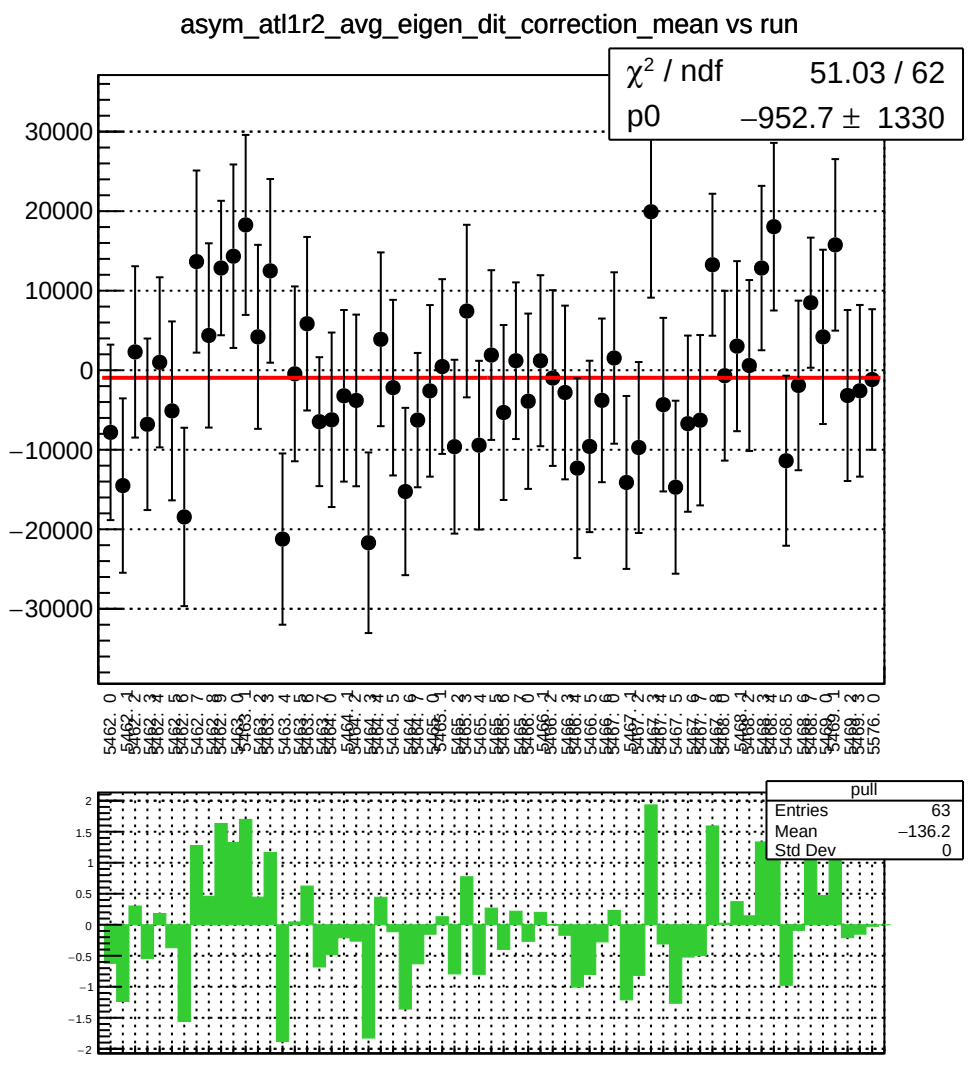

pull1D
Entries 63
Mean −0.01121
Std Dev 0.8999

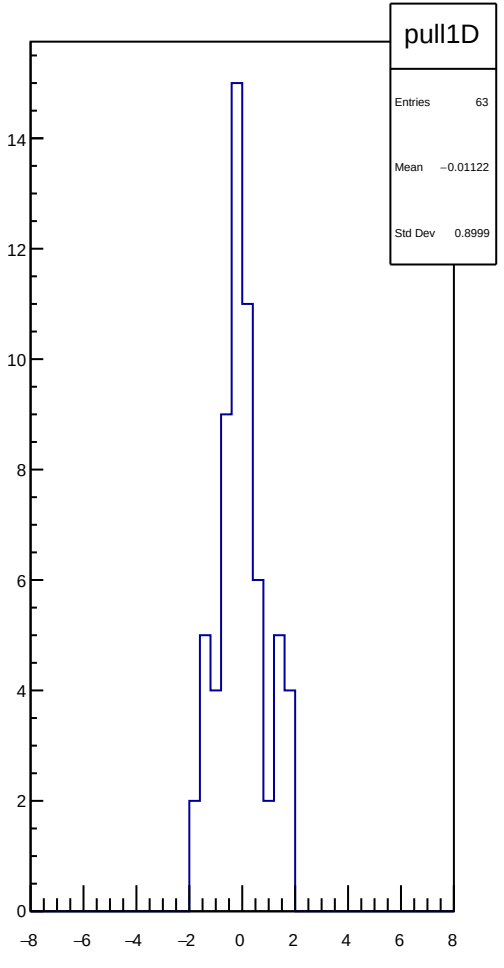

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 755.4 / 62
p0 1035 ± 0.9407
1120
1100
1080
1060
1040
1020
1000
980
960

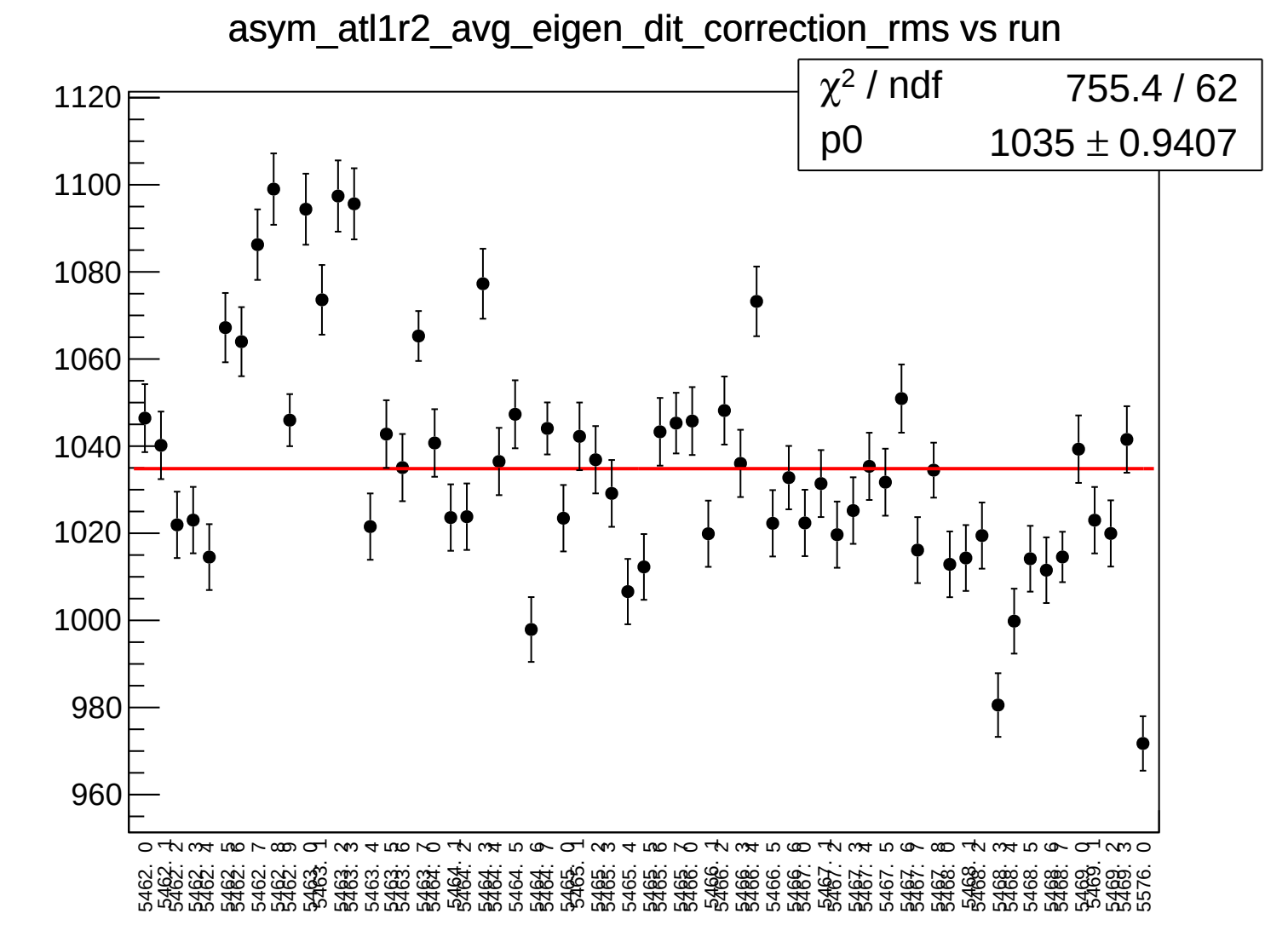

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 79.37 / 62
p0 2104 ± 2551
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 1.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

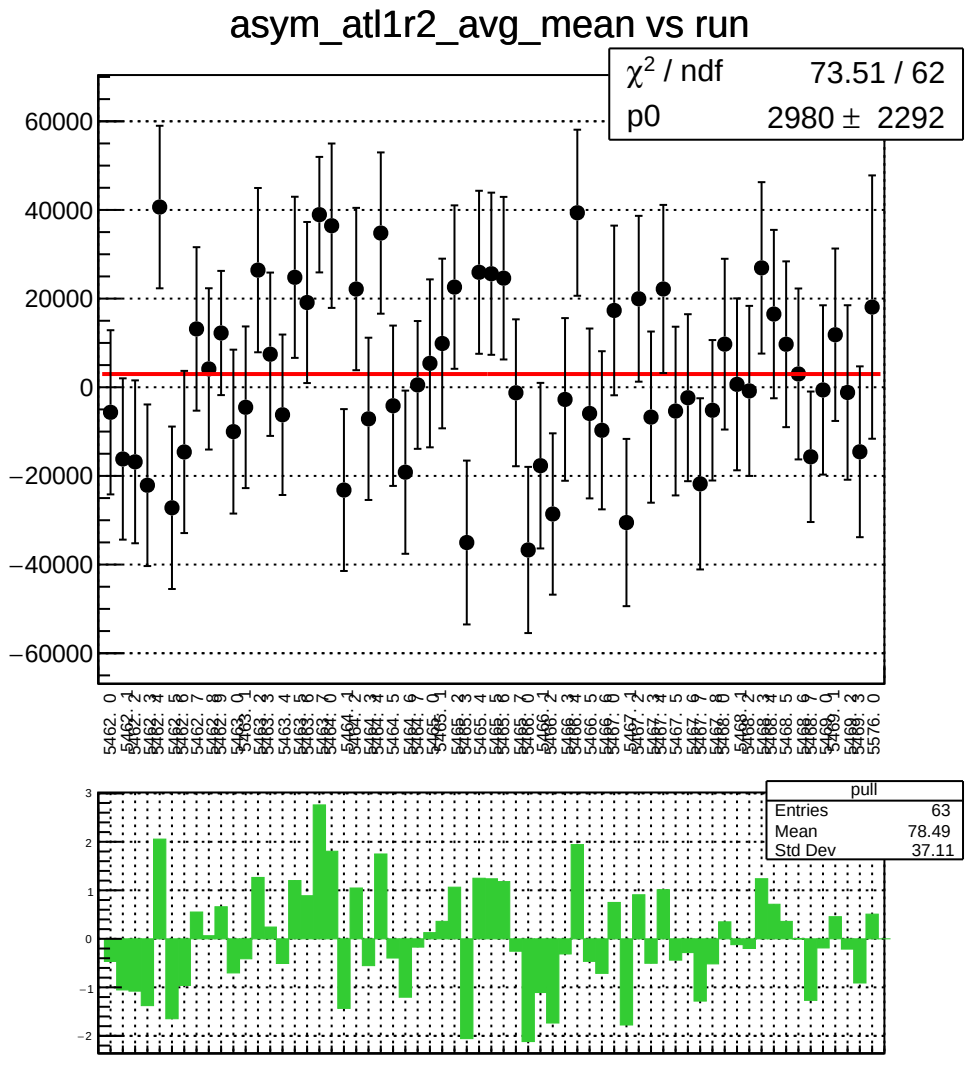

pull1D
Entries 63
Mean −0.01654
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

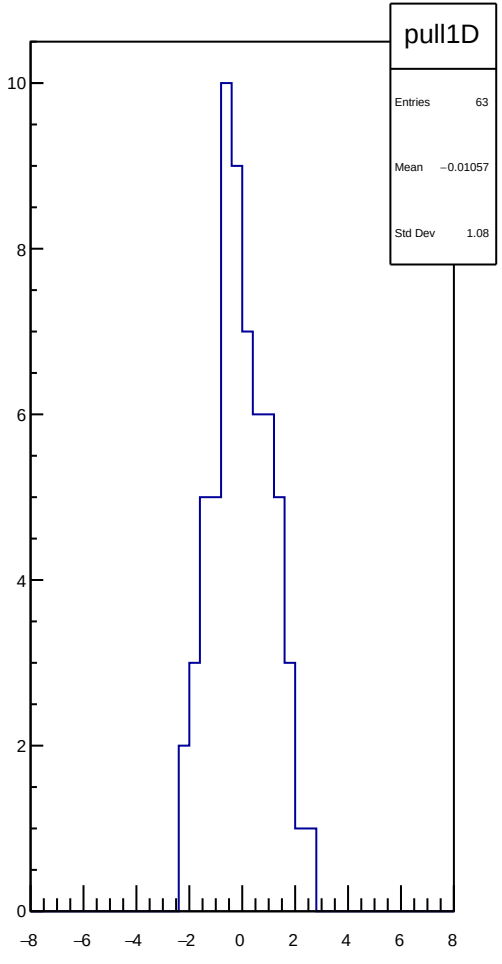

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 2986 / 62
p0 1982 ± 1.804
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800

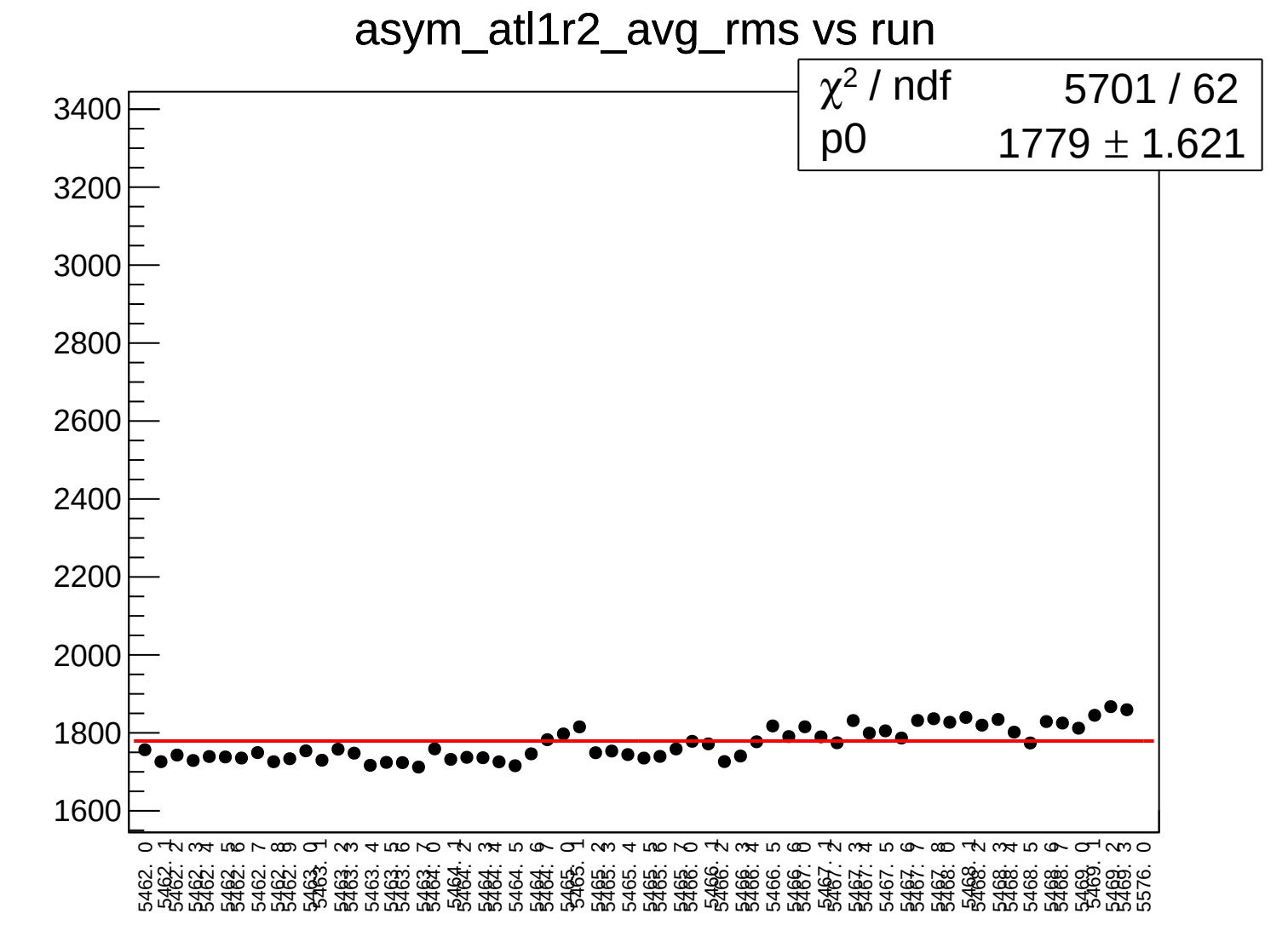

asym_atl1r2_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.03 / 62
p0 −952.7 ± 1330
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −136.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

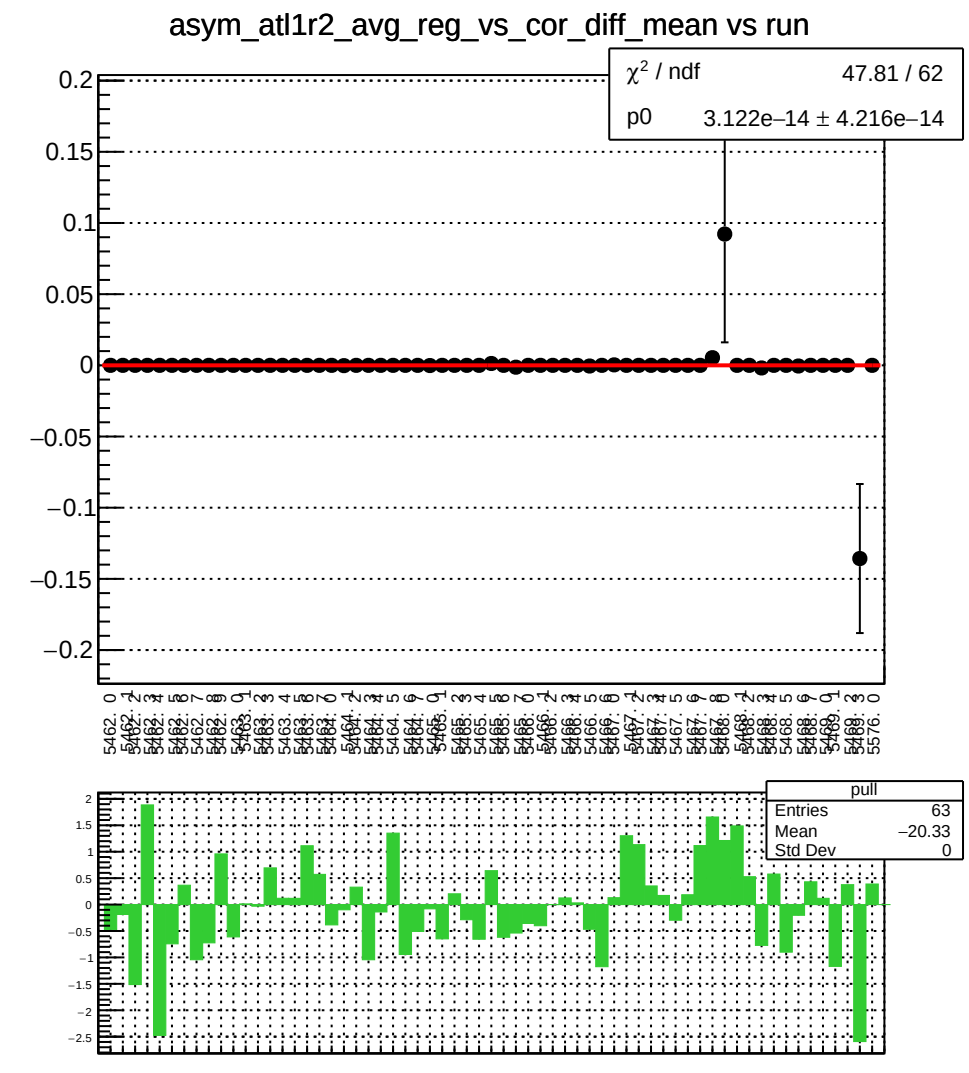

pull1D
Entries 63
Mean −0.01122
Std Dev 0.8999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

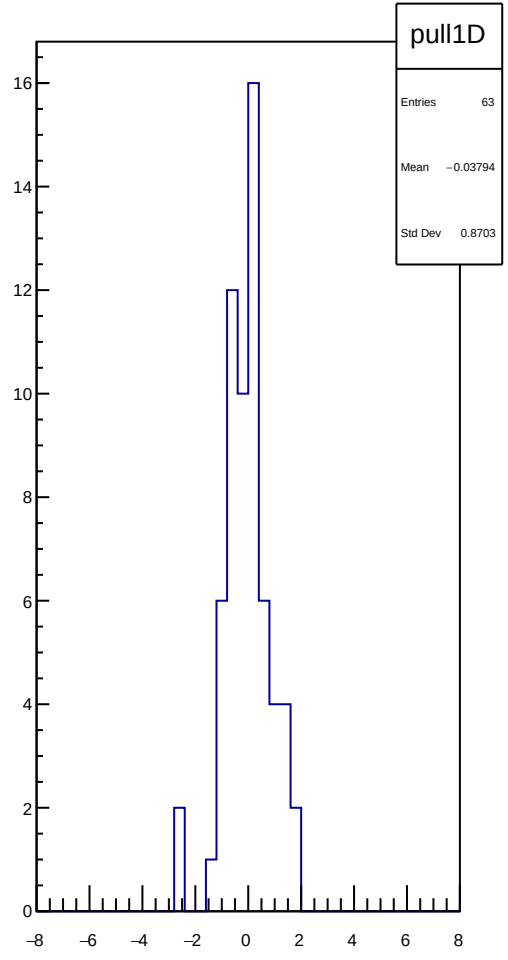

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 755.4 / 62
p0 1035 ± 0.9407
1120
1100
1080
1060
1040
1020
1000
980
960

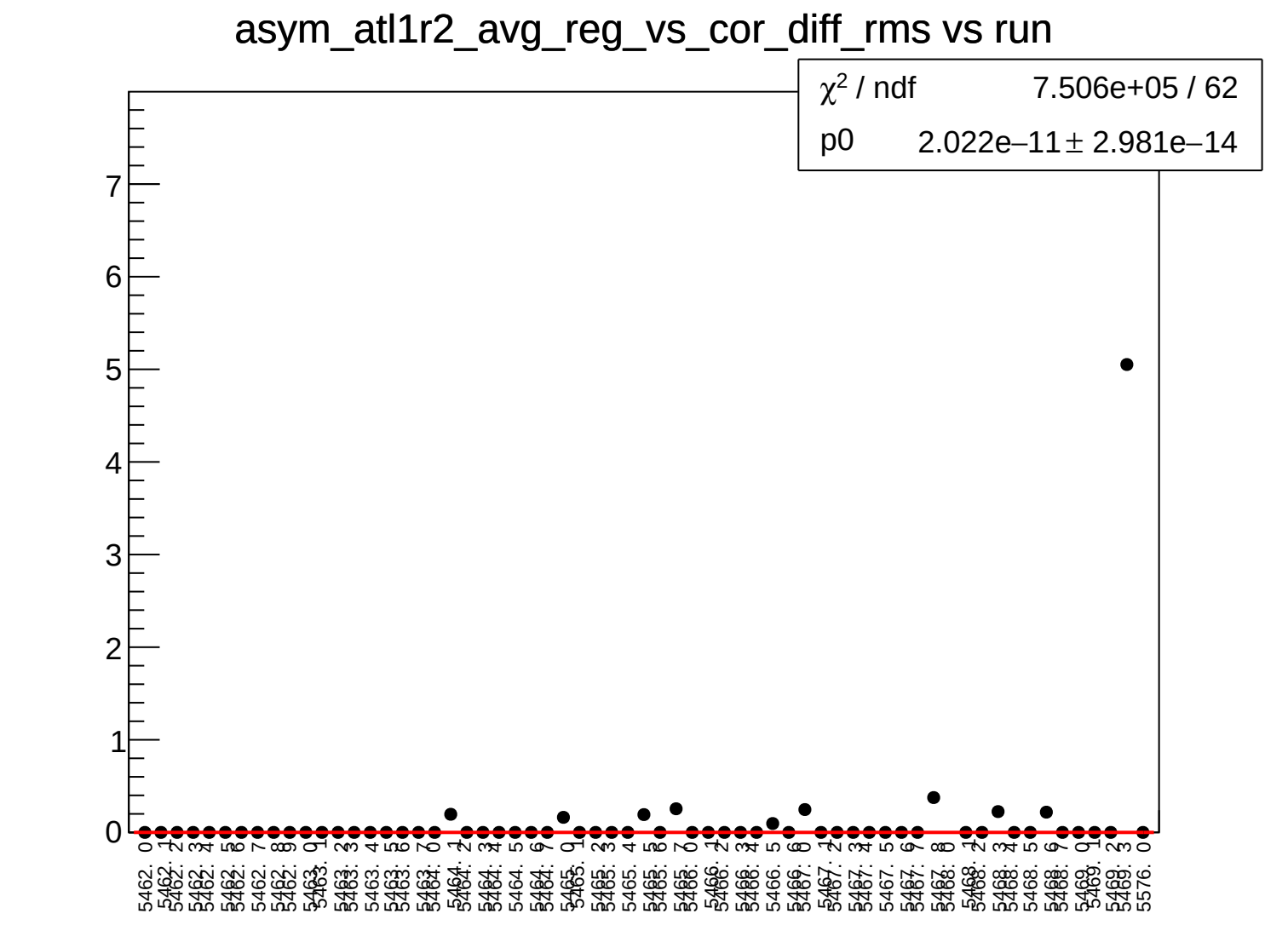

asym_atl1r2_avg_mean vs run
χ² / ndf 73.51 / 62
p0 2980 ± 2292
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 78.49
Std Dev 37.11
3
2
1
0
−1
−2

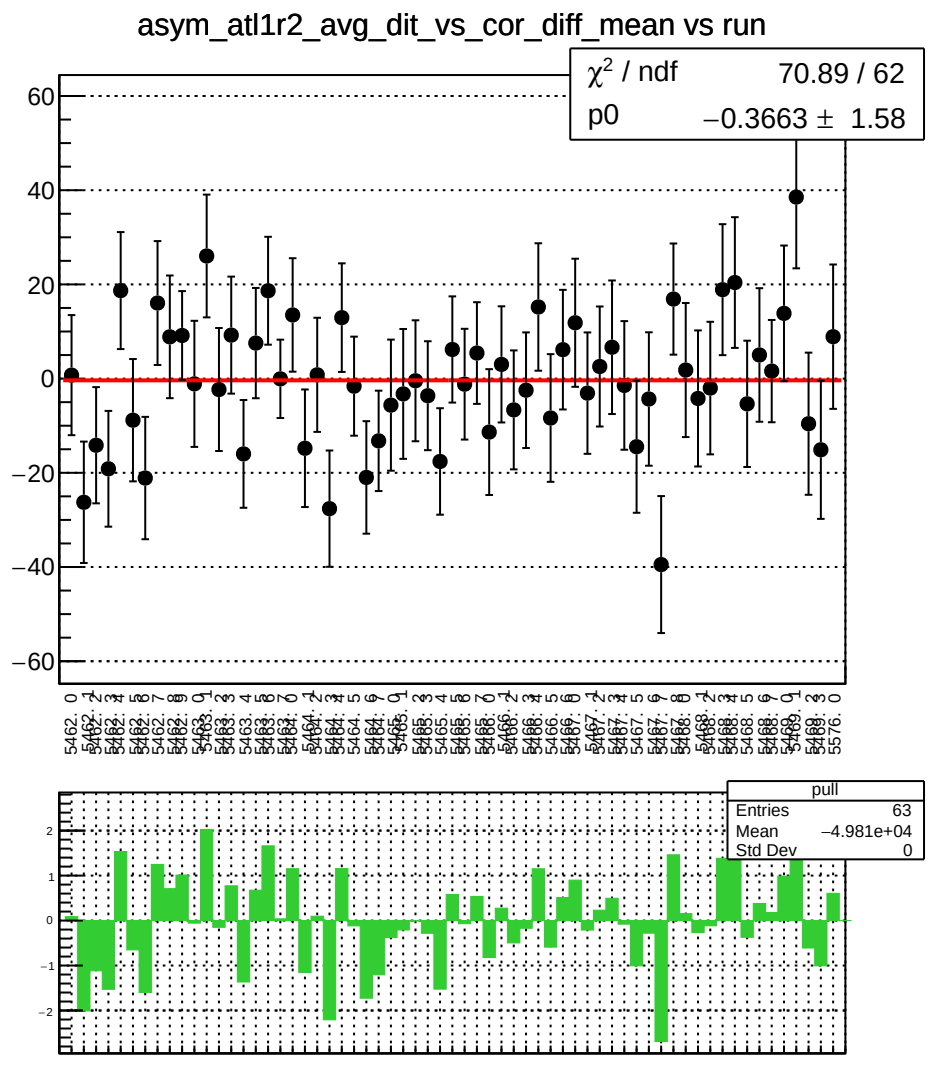

pull1D
Entries 63
Mean −0.01057
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

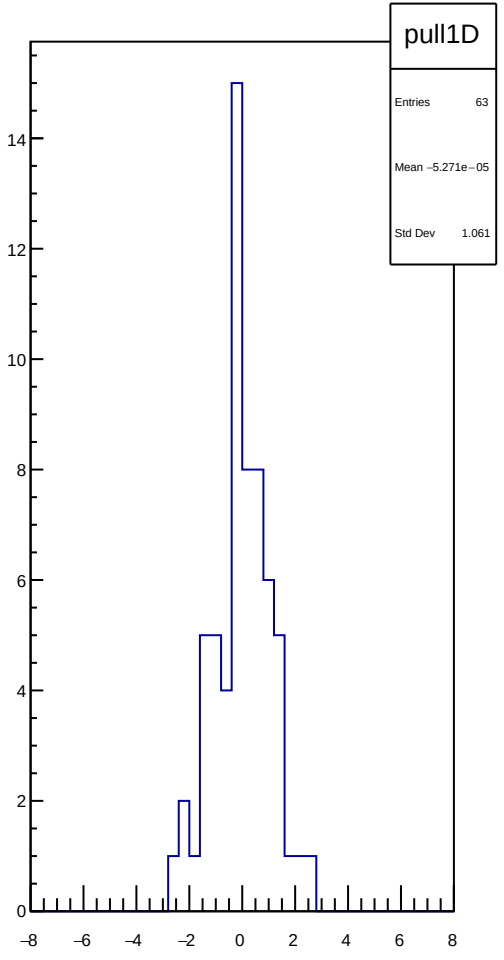

asym_atl1r2_avg_rms vs run
χ² / ndf 5701 / 62
p0 1779 ± 1.621
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

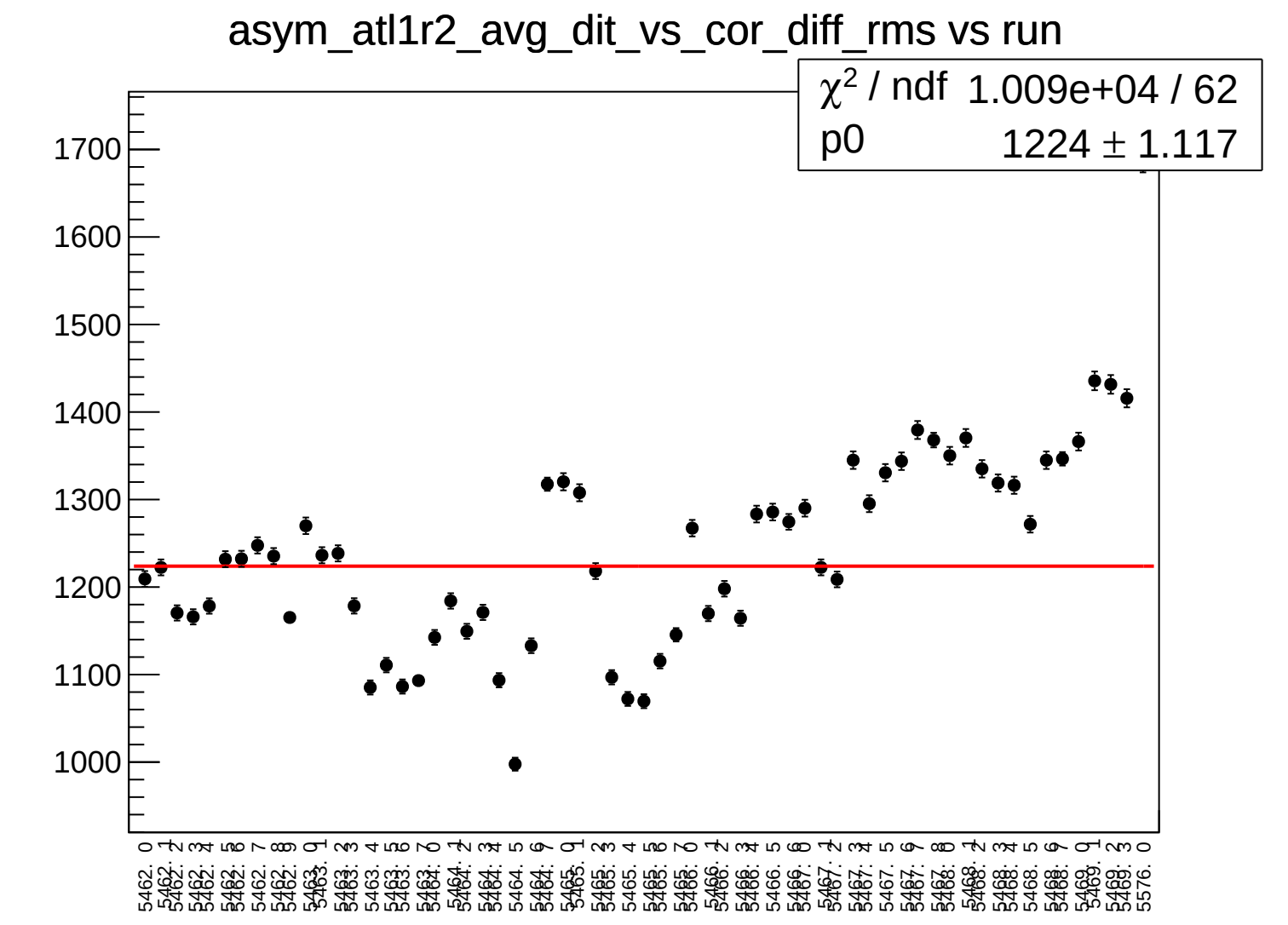

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.81 / 62
p0 3.122e−14 ± 4.216e−14
pull
Entries 63
Mean −20.33
Std Dev 0

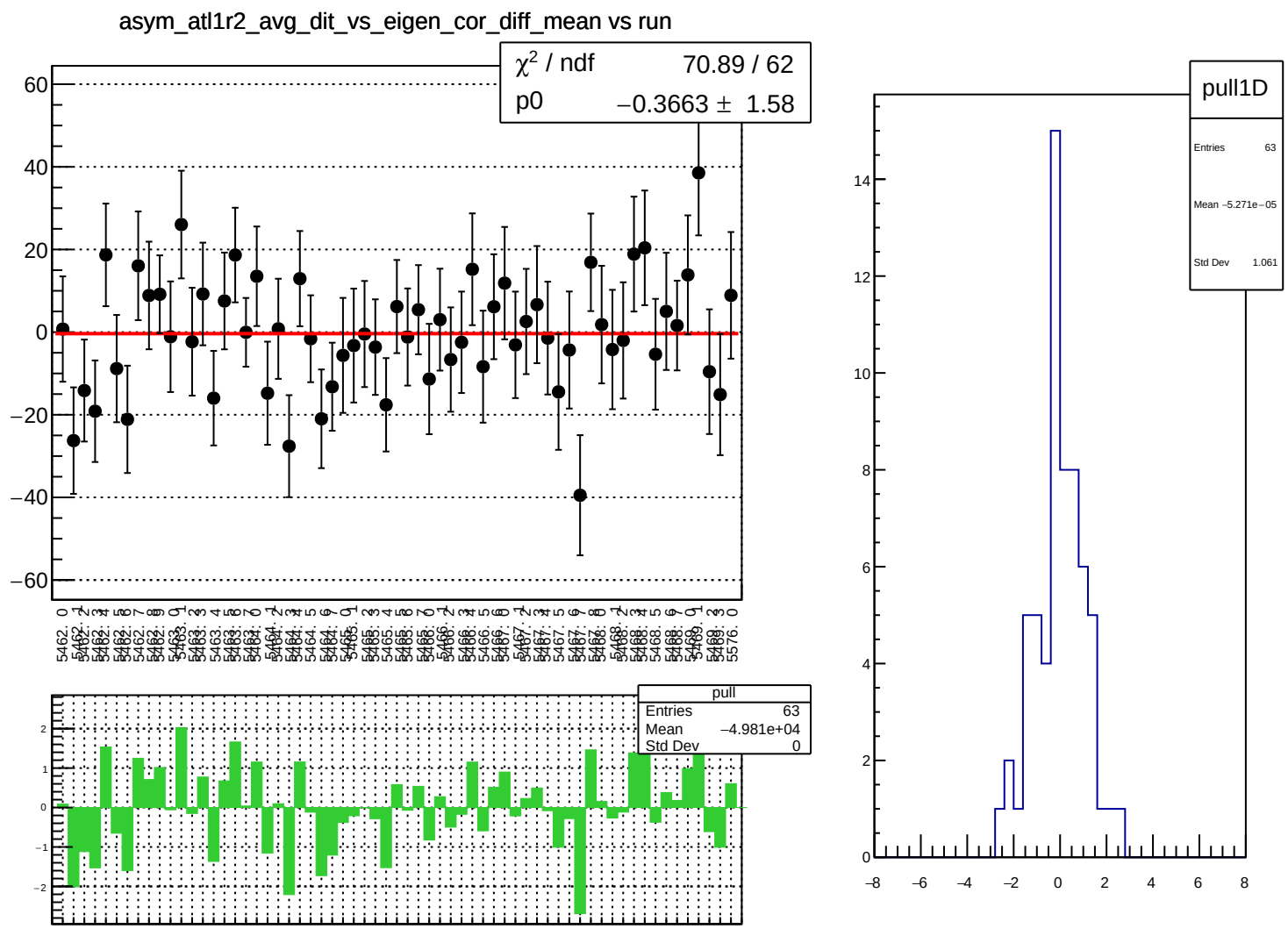

pull1D
Entries 63
Mean −0.03794
Std Dev 0.8703

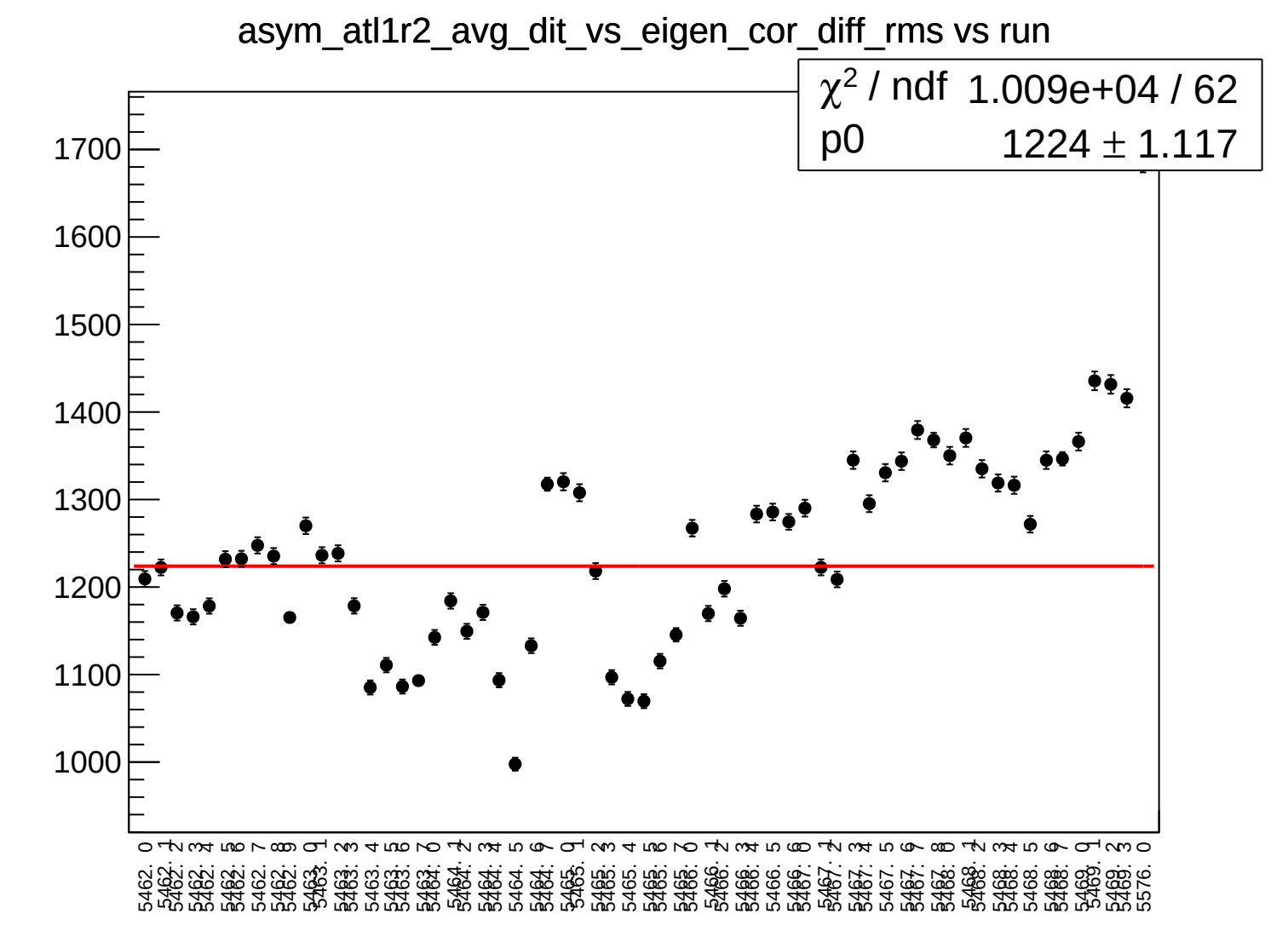

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.506e+05 / 62
p0 2.022e−11 ± 2.981e−14
0
1
2
3
4
5
6
7

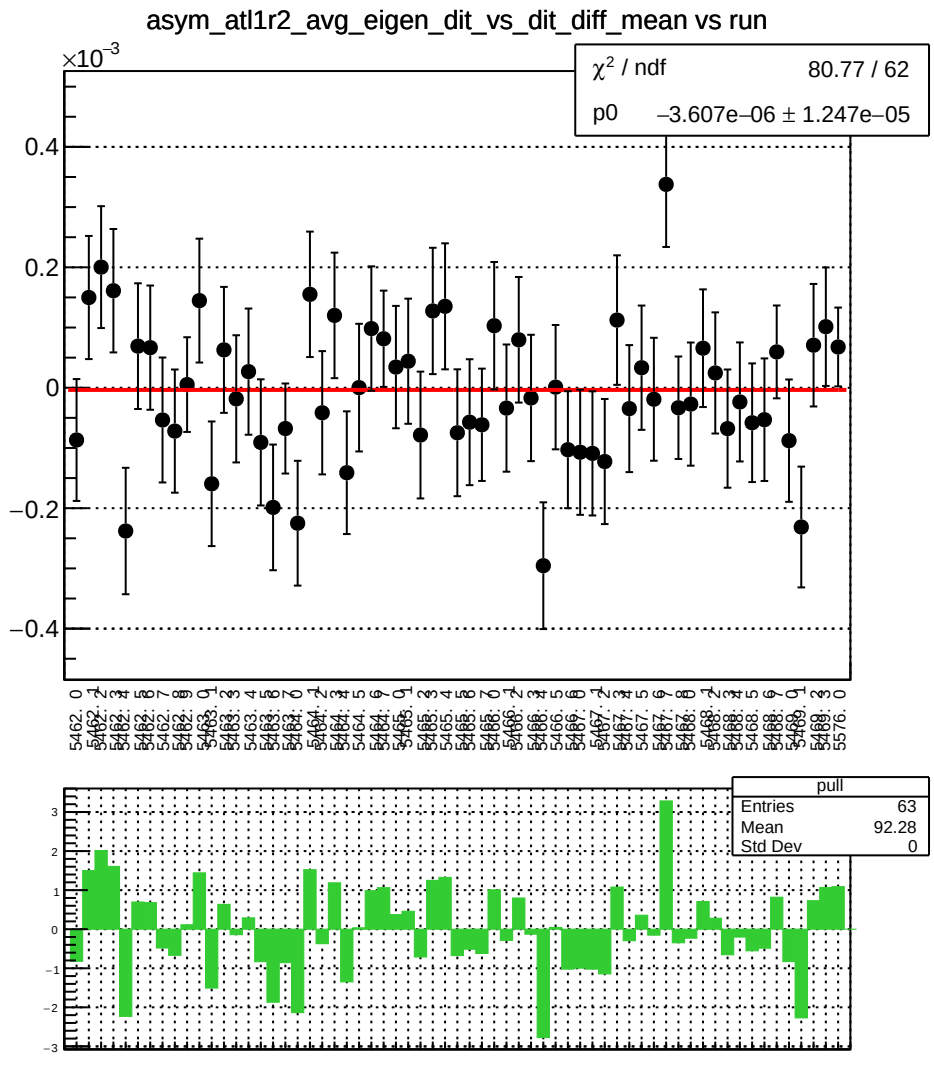

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.89 / 62
p0 −0.3663 ± 1.58
pull
Entries 63
Mean −4.981e+04
Std Dev 0

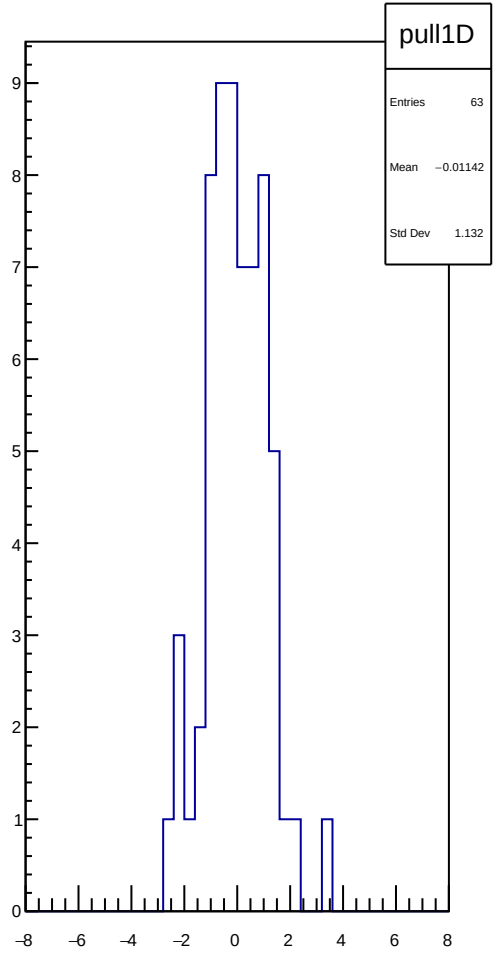

pull1D
Entries 63
Mean −5.271e−05
Std Dev 1.061

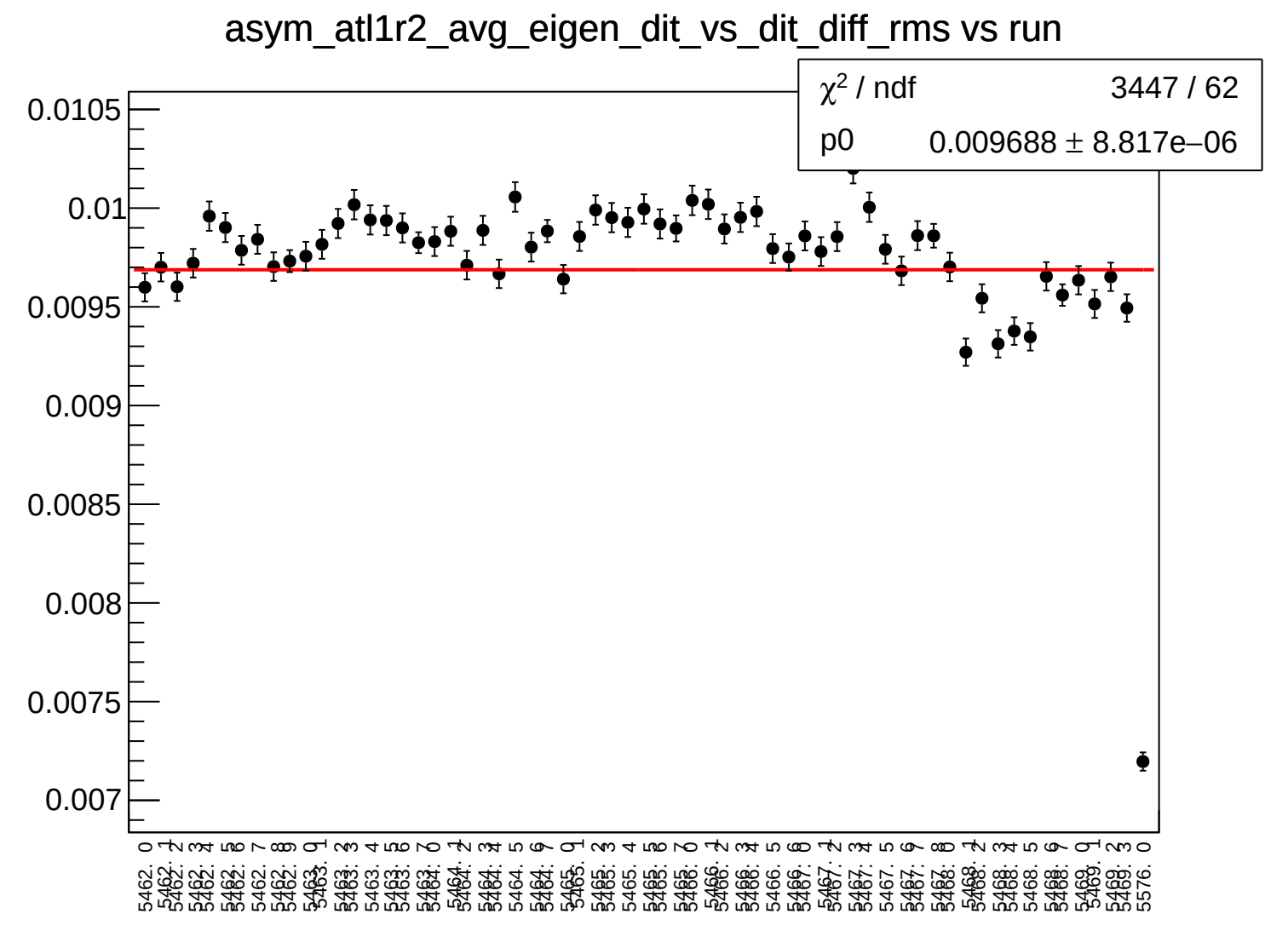

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.009e+04 / 62
p0 1224 ± 1.117
1700
1600
1500
1400
1300
1200
1100
1000

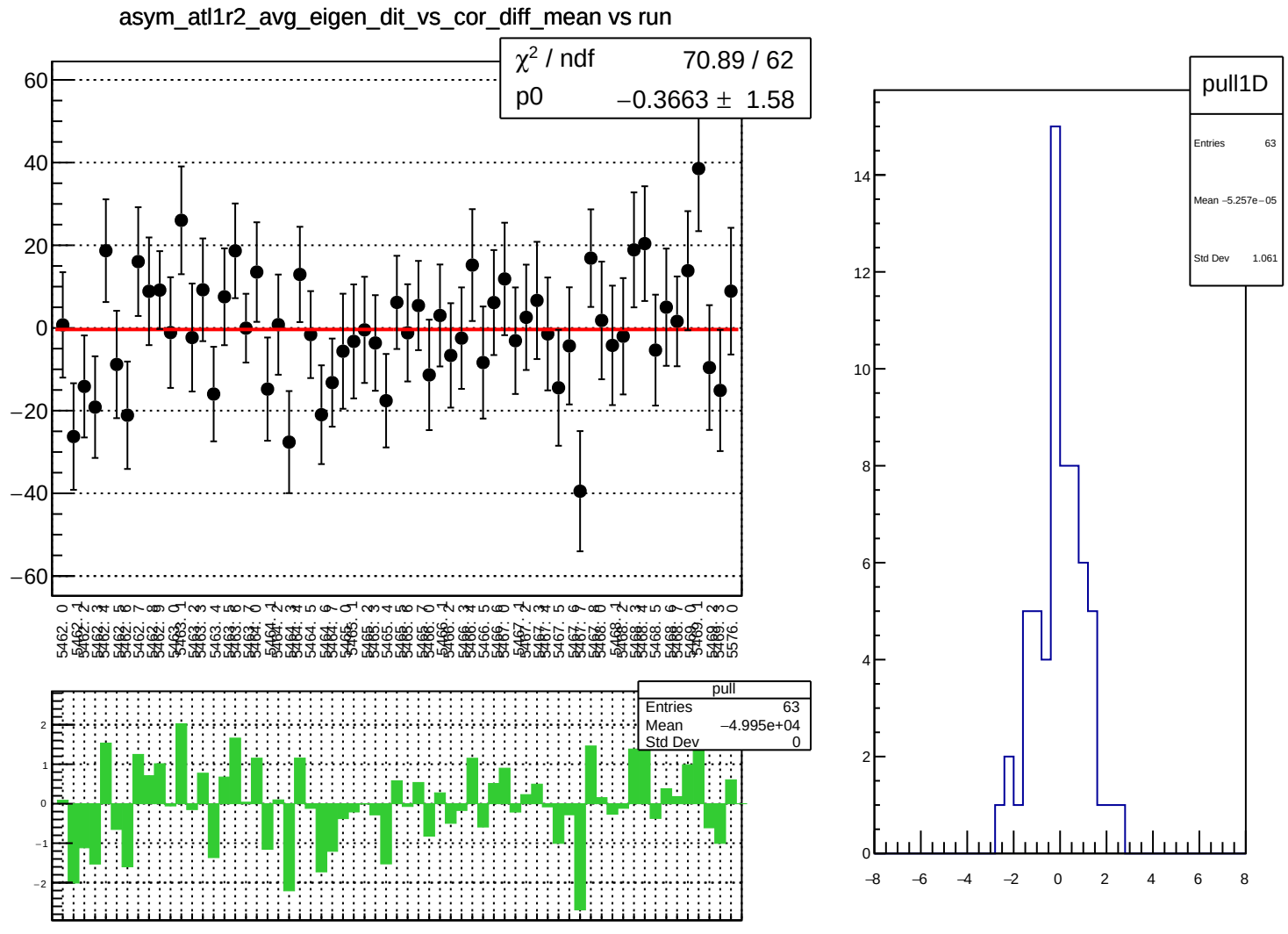

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.89 / 62
p0 −0.3663 ± 1.58
pull
Entries 63
Mean −4.981e+04
Std Dev 0
pull1D
Entries 63
Mean −5.271e−05
Std Dev 1.061

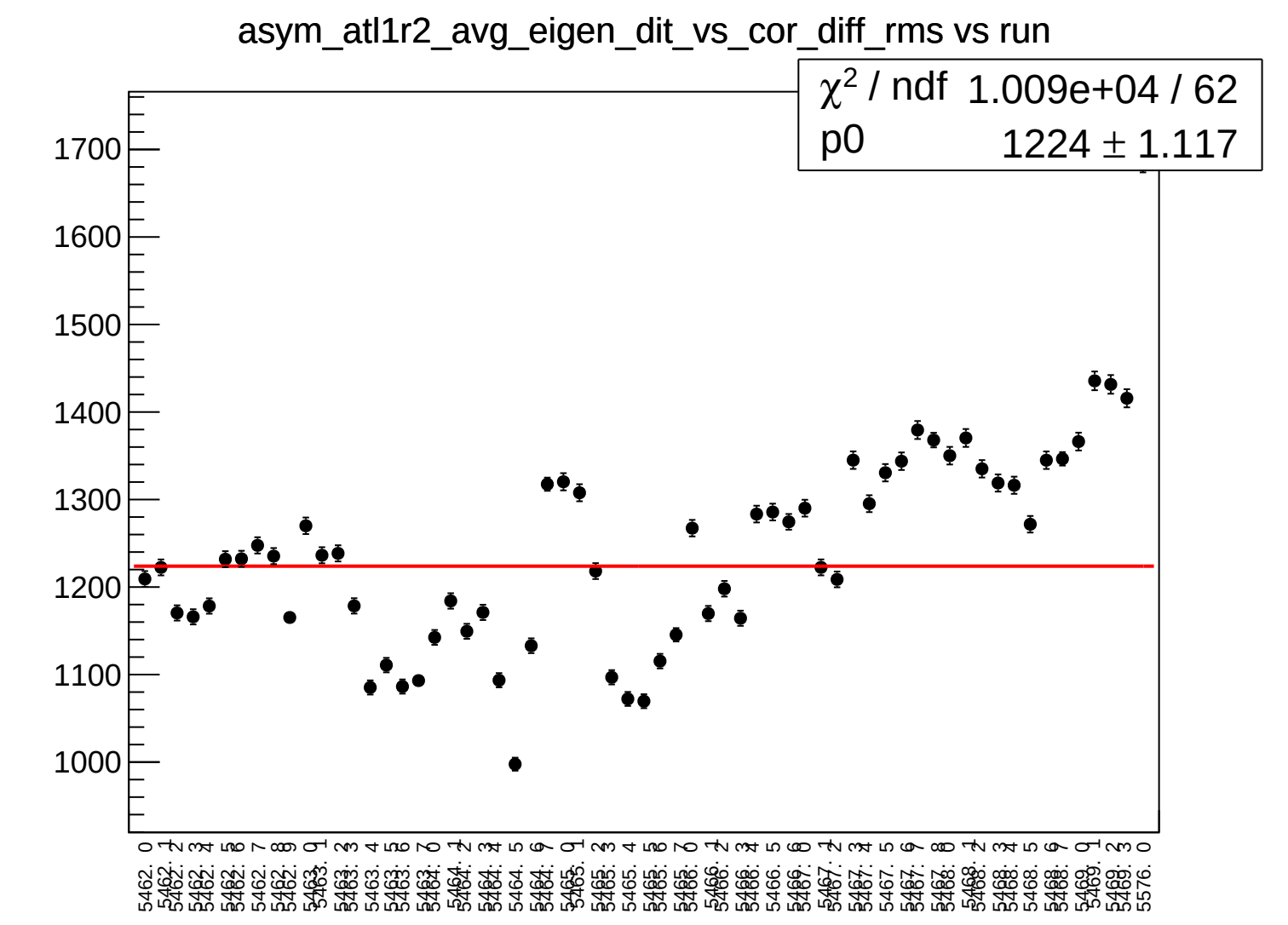

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.009e+04 / 62
p0 1224 ± 1.117
1700
1600
1500
1400
1300
1200
1100
1000

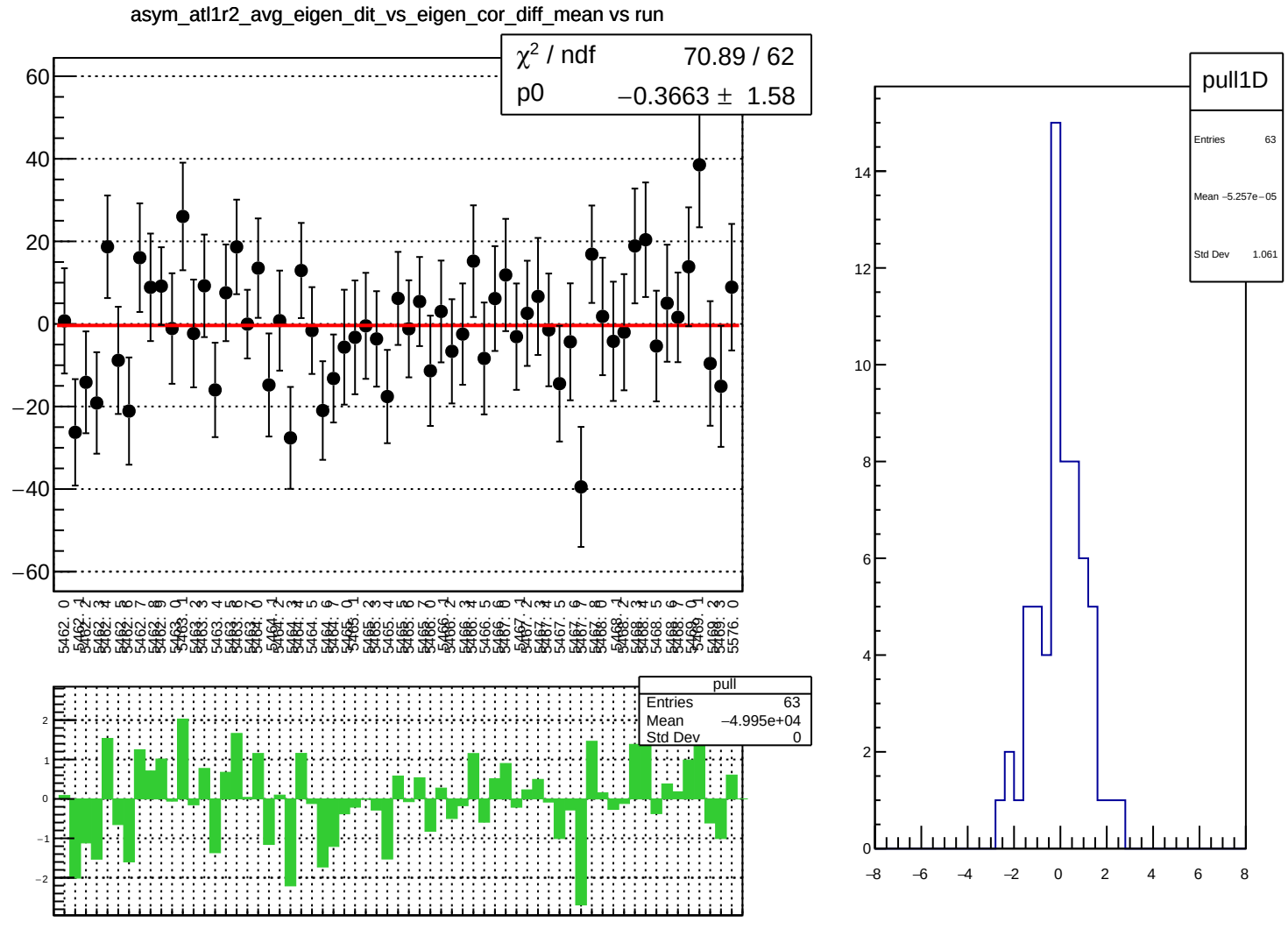

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.77 / 62
p0 −3.607e−06 ± 1.247e−05
pull
Entries 63
Mean 92.28
Std Dev 0

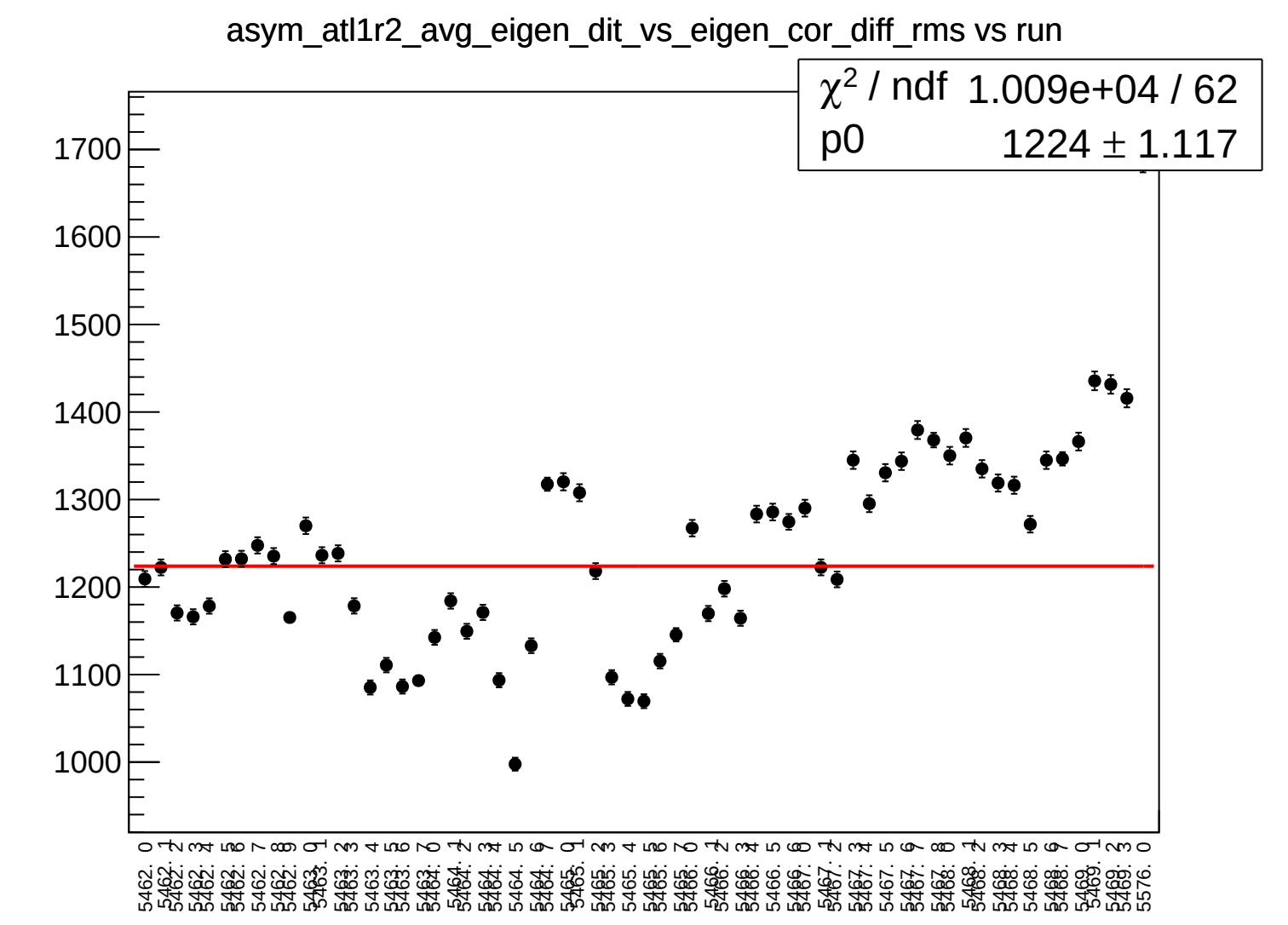

pull1D
Entries 63
Mean −0.01142
Std Dev 1.132

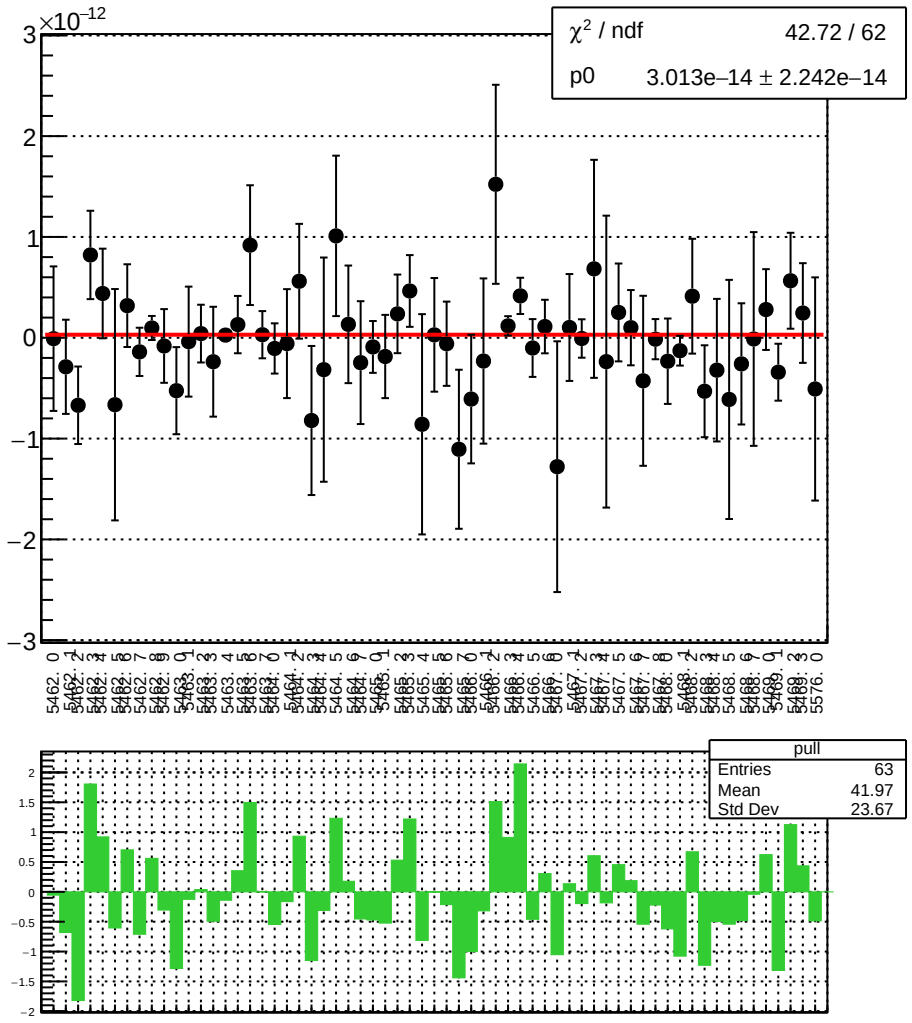

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3447 / 62
p0 0.009688 ± 8.817e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007

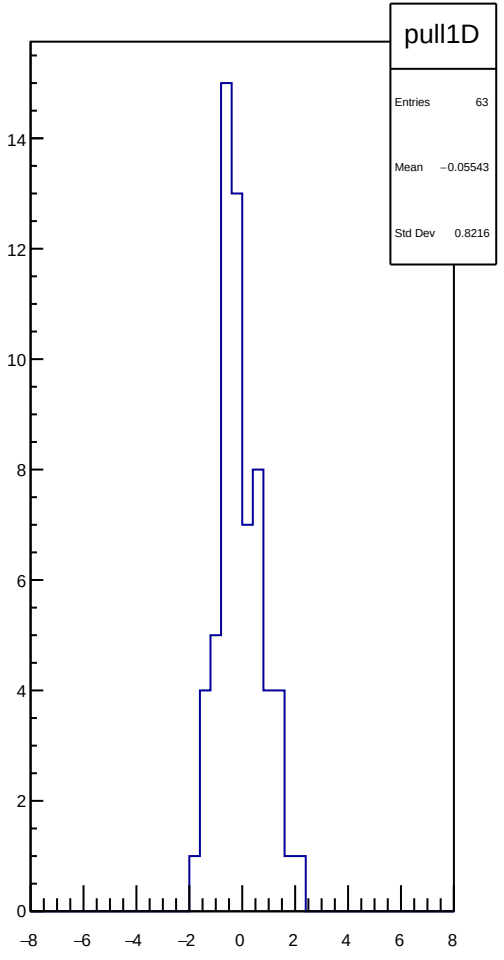

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.89 / 62
p0 −0.3663 ± 1.58
pull
Entries 63
Mean −4.995e+04
Std Dev 0
pull1D
Entries 63
Mean −5.257e−05
Std Dev 1.061

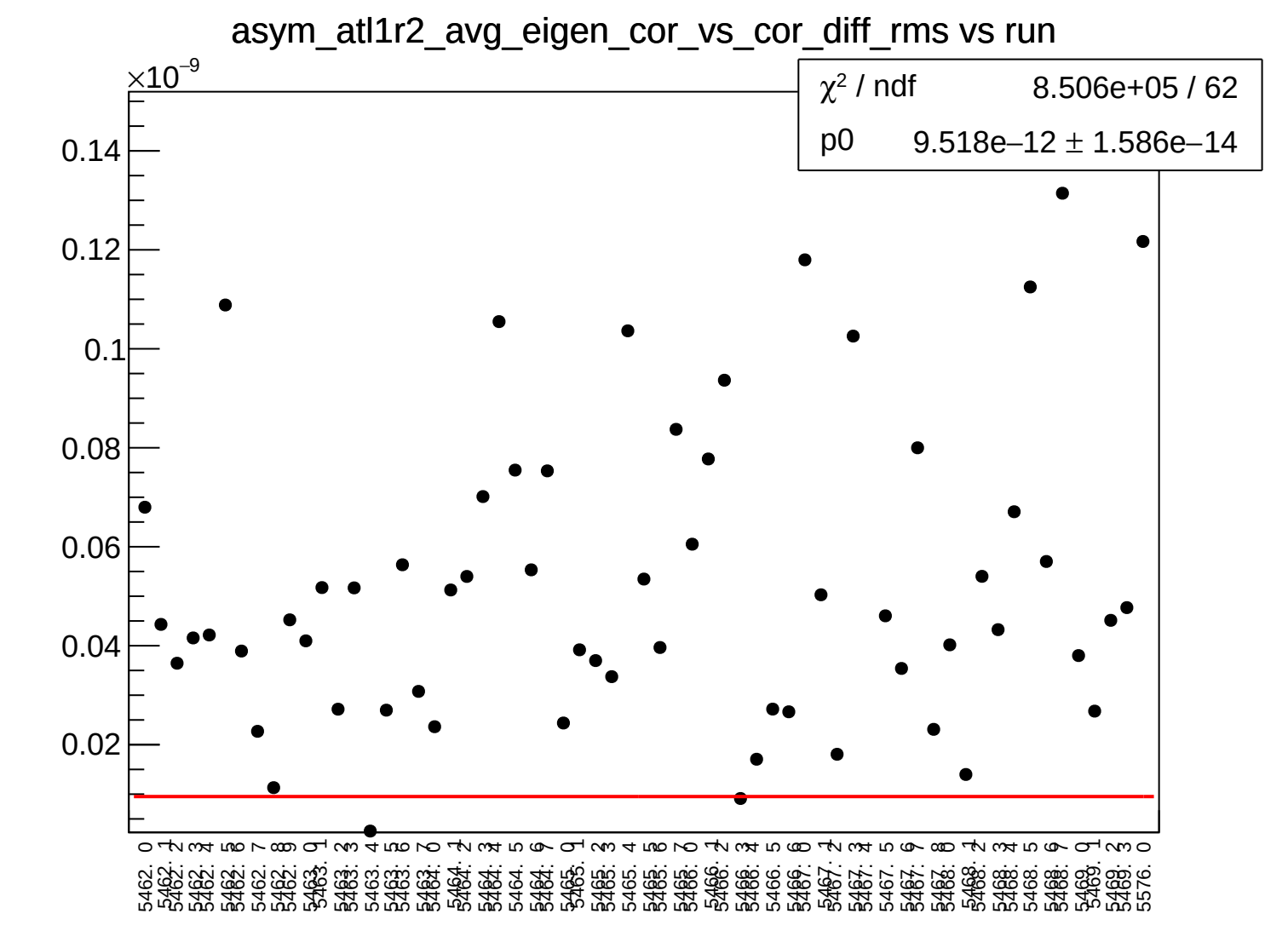

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.009e+04 / 62
p0 1224 ± 1.117
1700
1600
1500
1400
1300
1200
1100
1000

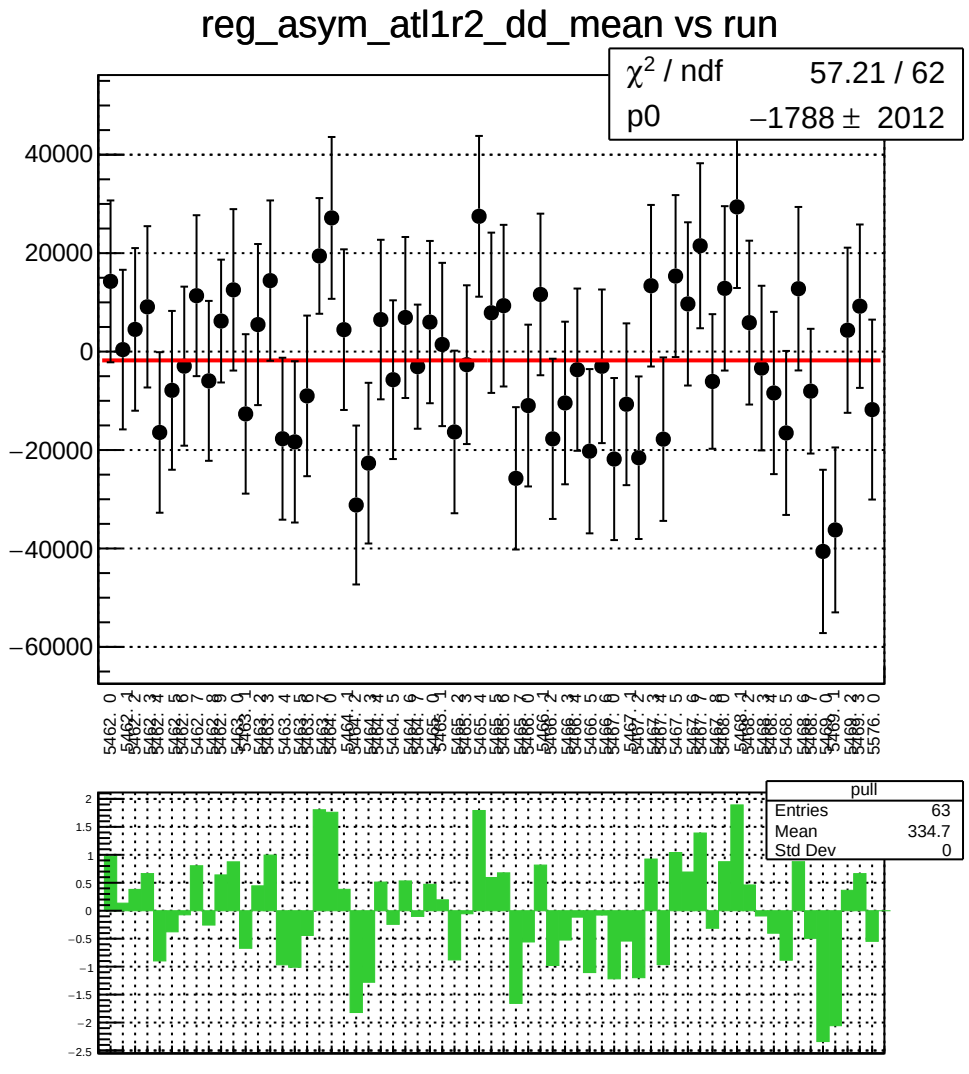

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.89 / 62
p0 −0.3663 ± 1.58
pull
Entries 63
Mean −4.995e+04
Std Dev 0
pull1D
Entries 63
Mean −5.257e−05
Std Dev 1.061

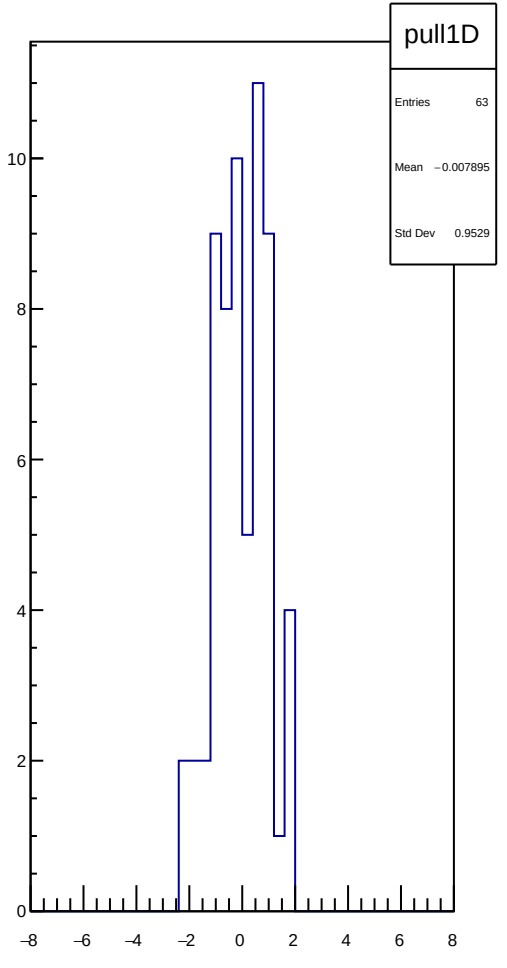

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.009e+04 / 62
p0 1224 ± 1.117
1700
1600
1500
1400
1300
1200
1100
1000

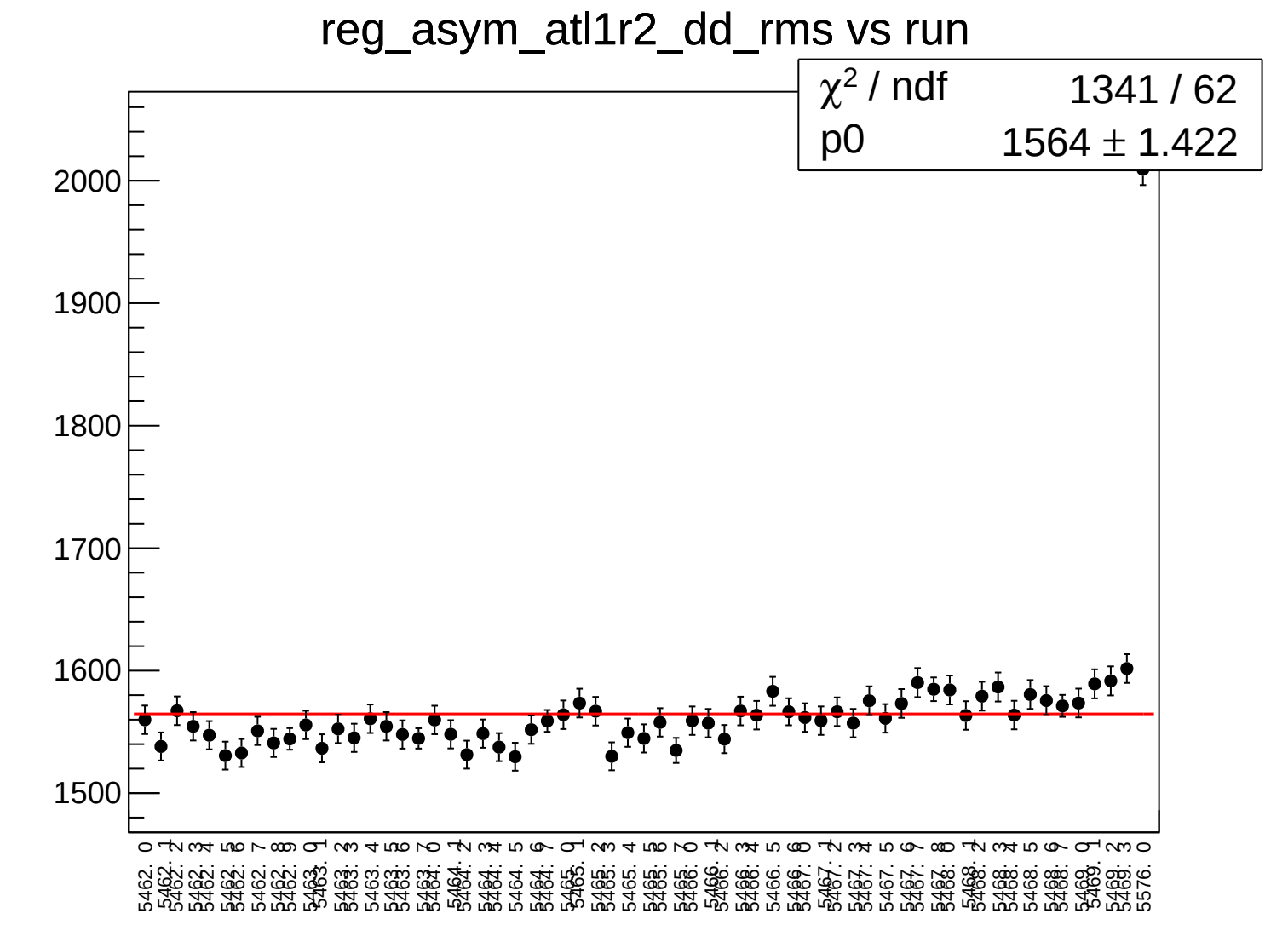

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.72 / 62
p0 3.013e−14 ± 2.242e−14
pull
Entries 63
Mean 41.97
Std Dev 23.67

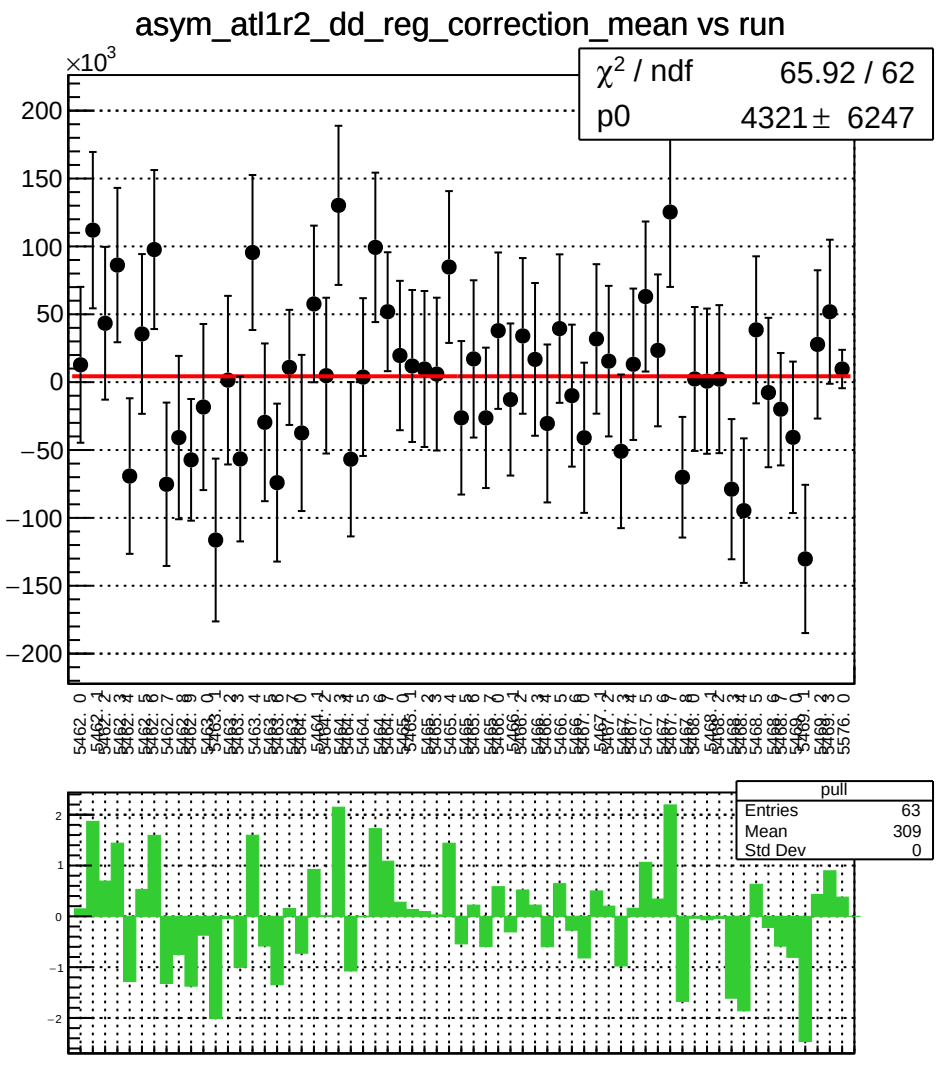

pull1D
Entries 63
Mean −0.05543
Std Dev 0.8216

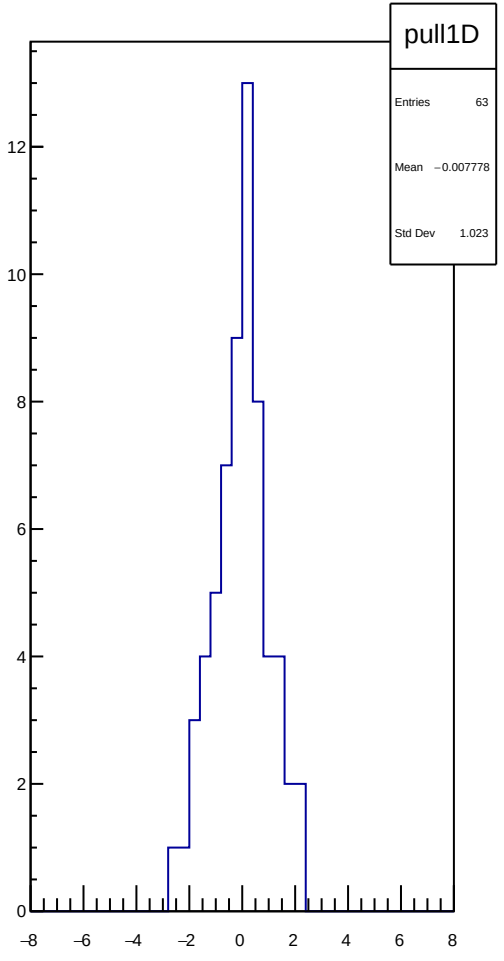

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.506e+05 / 62
p0 9.518e−12 ± 1.586e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

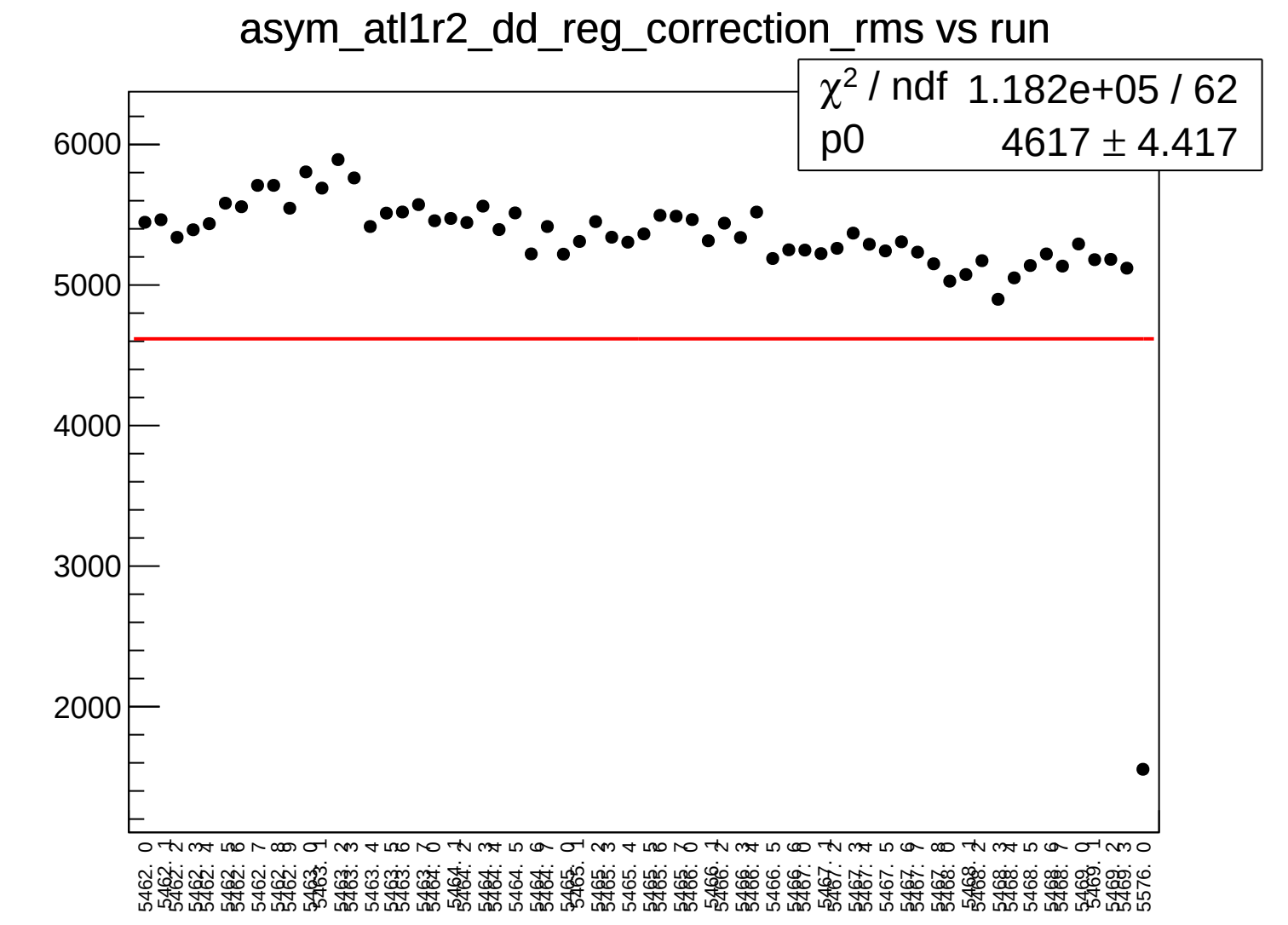

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 57.21 / 62
p0 −1788 ± 2012
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 334.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

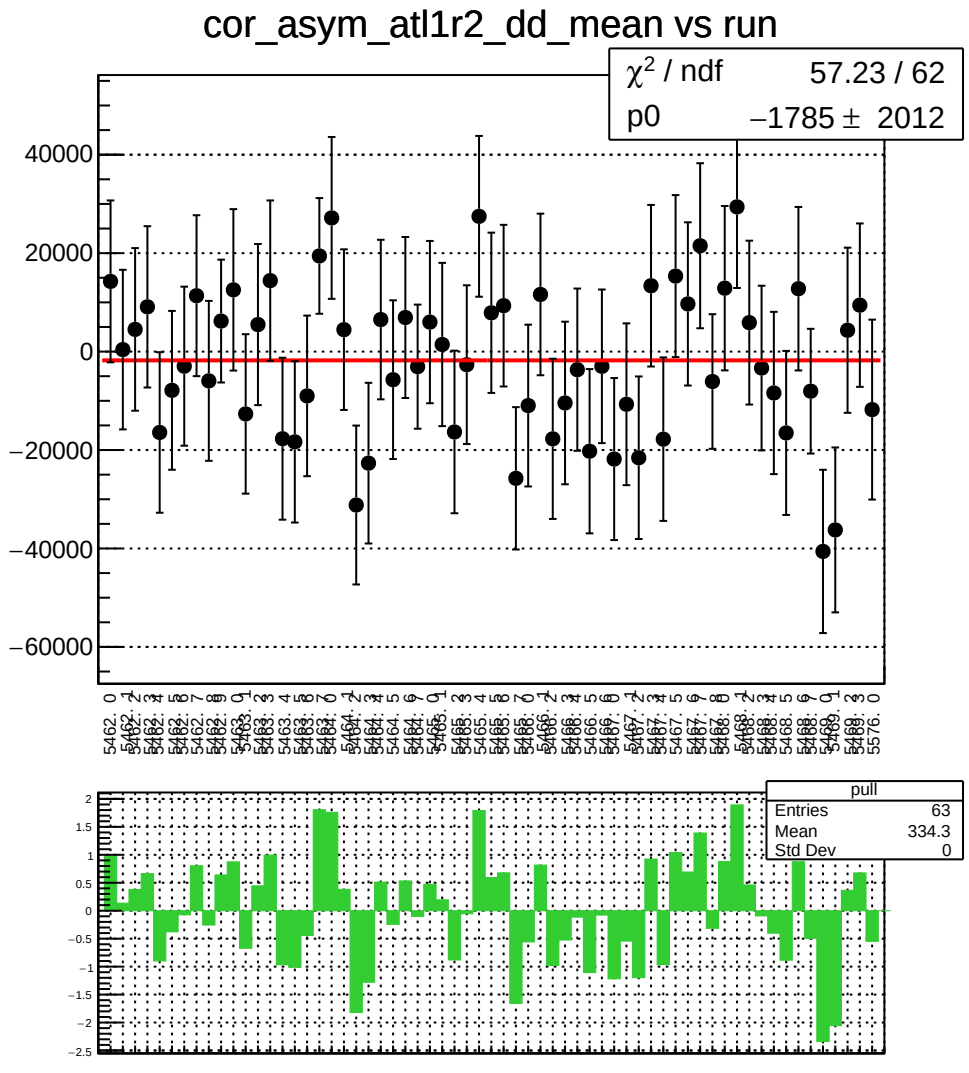

pull1D
Entries 63
Mean −0.007895
Std Dev 0.9529
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

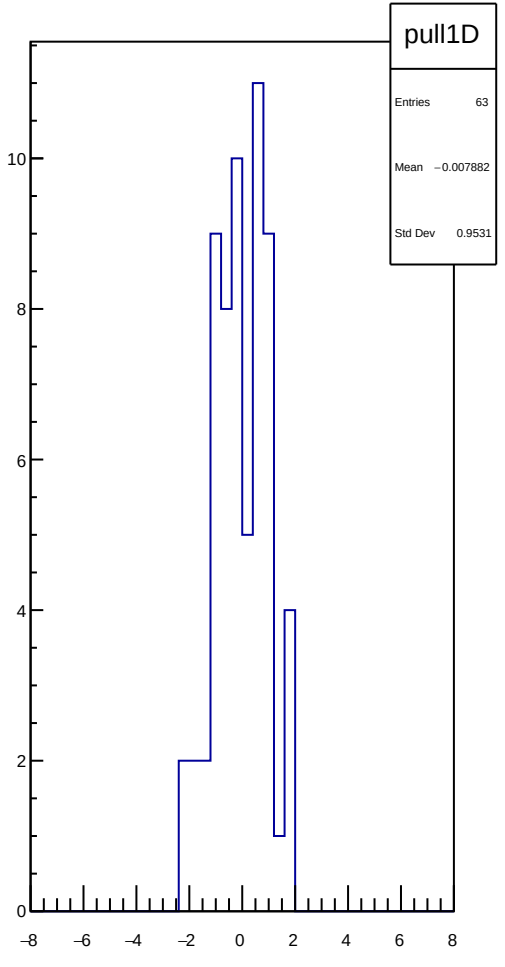

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 1341 / 62
p0 1564 ± 1.422
2000
1900
1800
1700
1600
1500

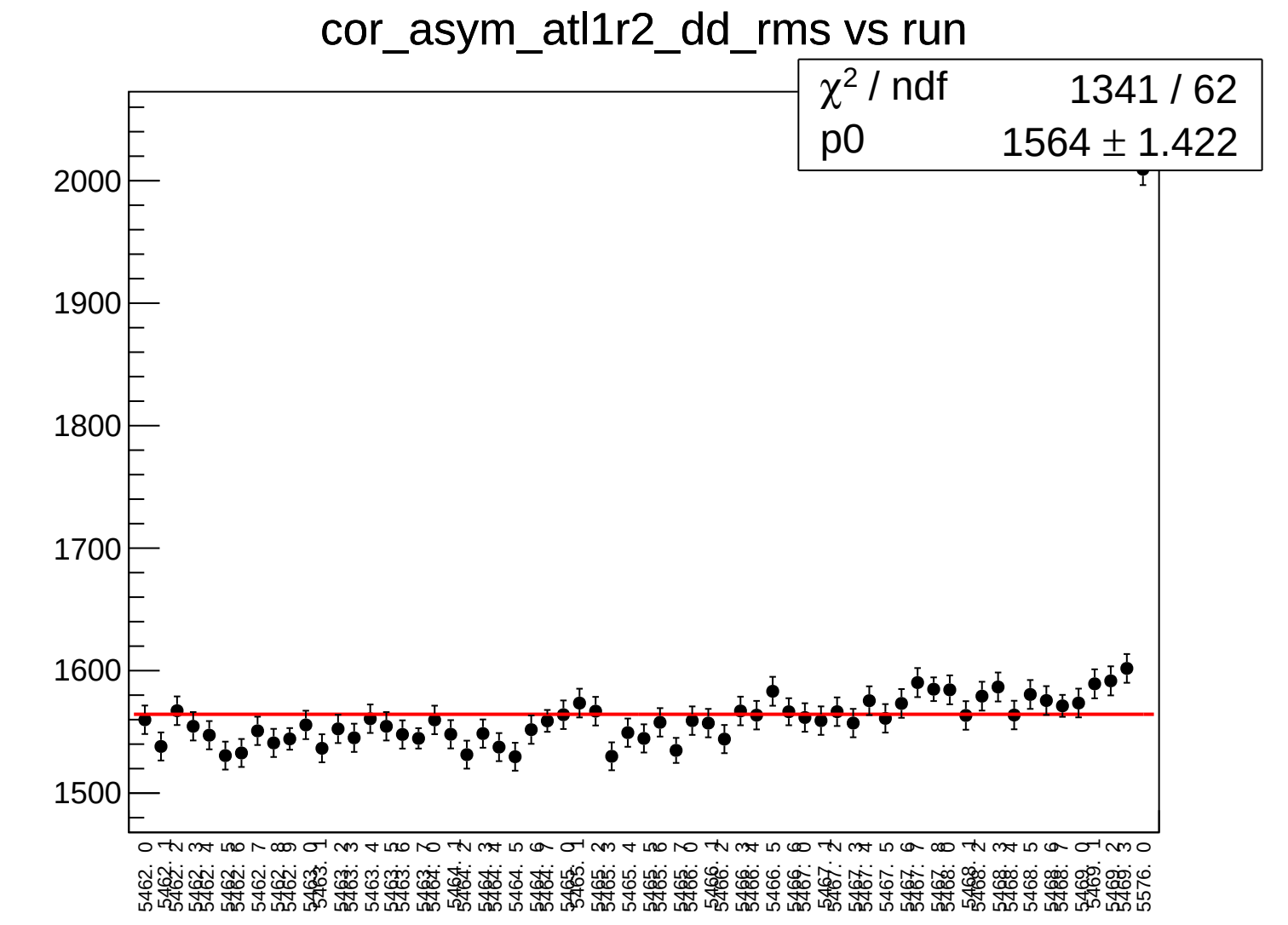

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.92 / 62
p0 4321 ± 6247
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 63
Mean 309
Std Dev 0
2
1
0
−1
−2

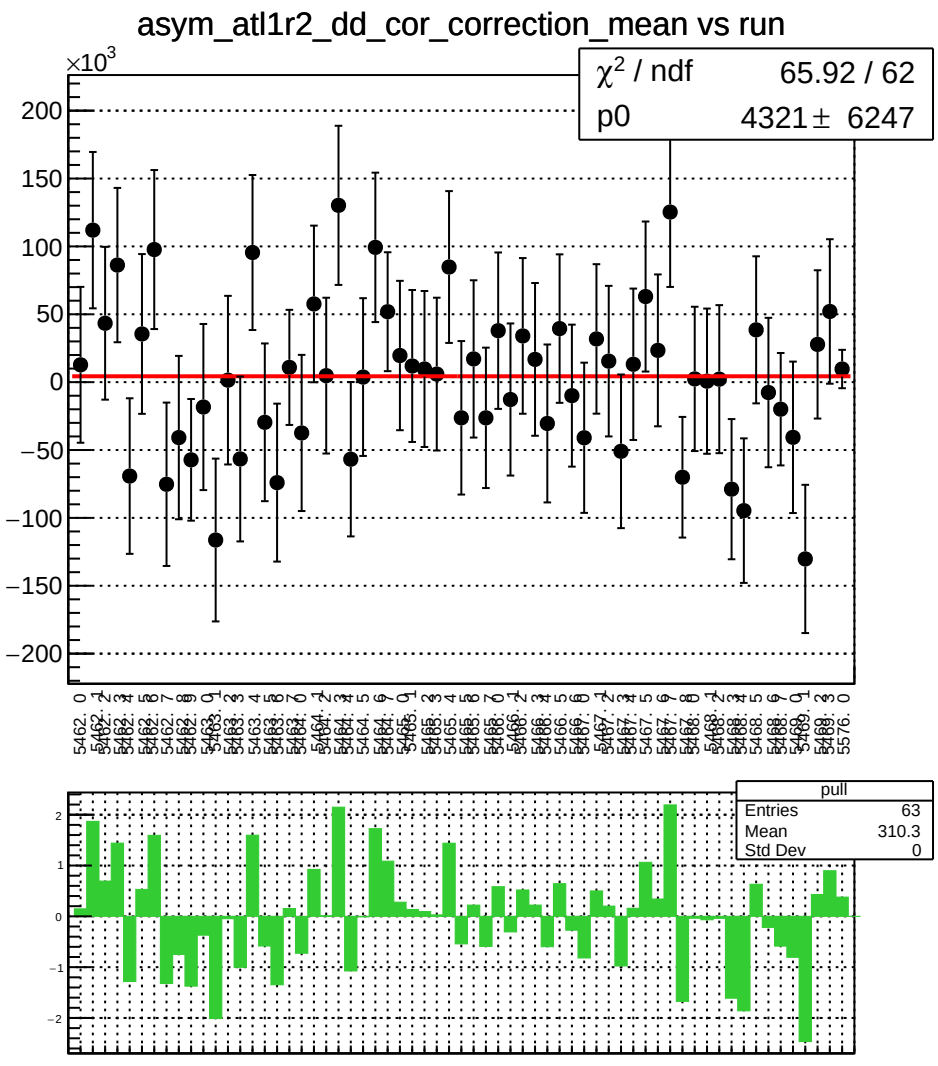

pull1D
Entries 63
Mean −0.007778
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

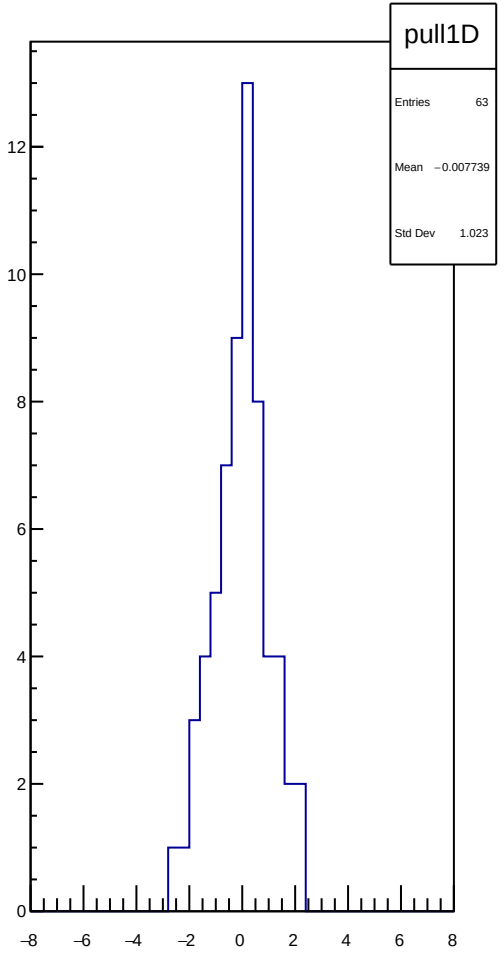

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 1.182e+05 / 62
p0 4617 ± 4.417
6000
5000
4000
3000
2000

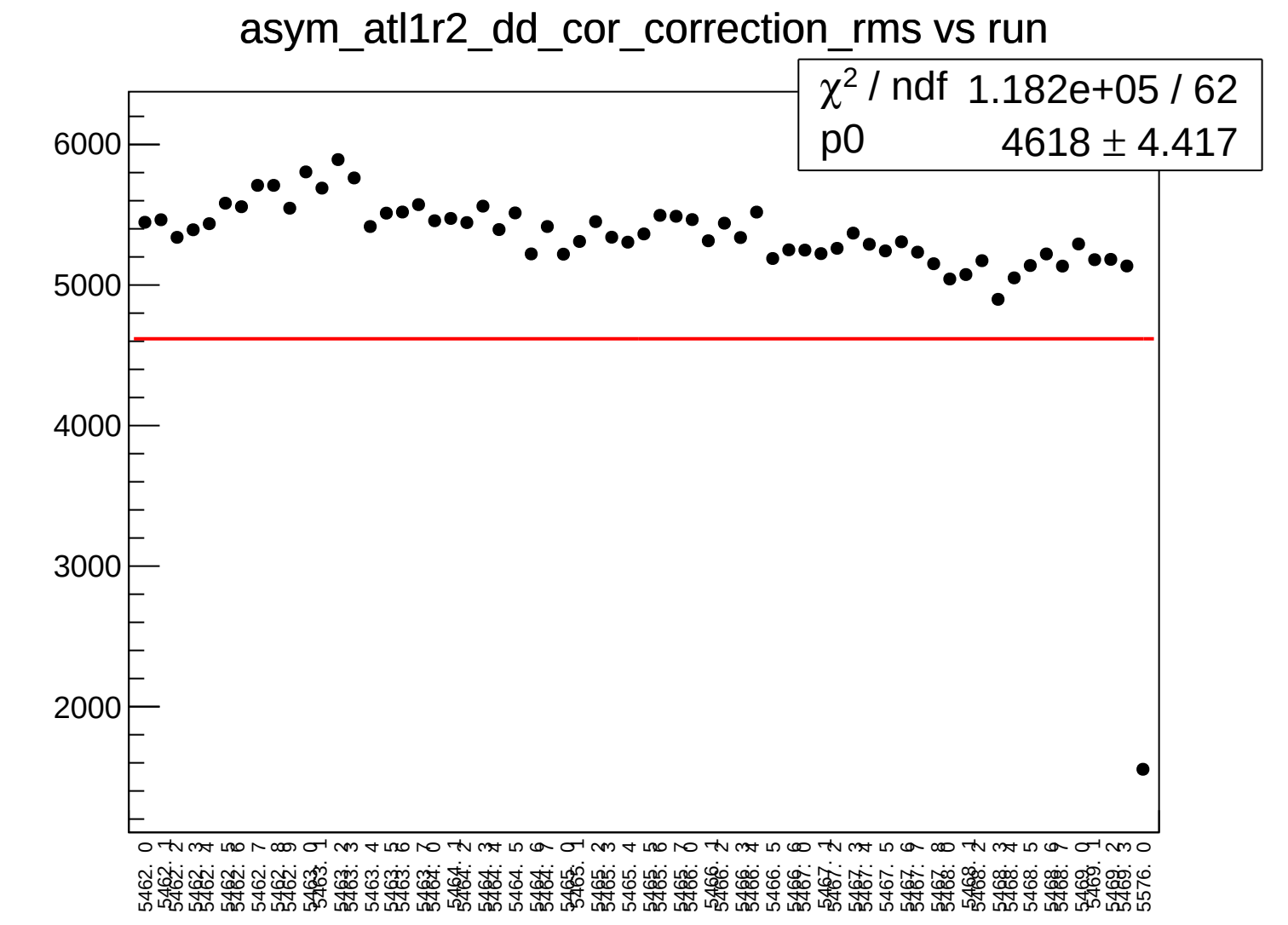

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 57.23 / 62
p0 −1785 ± 2012
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 334.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

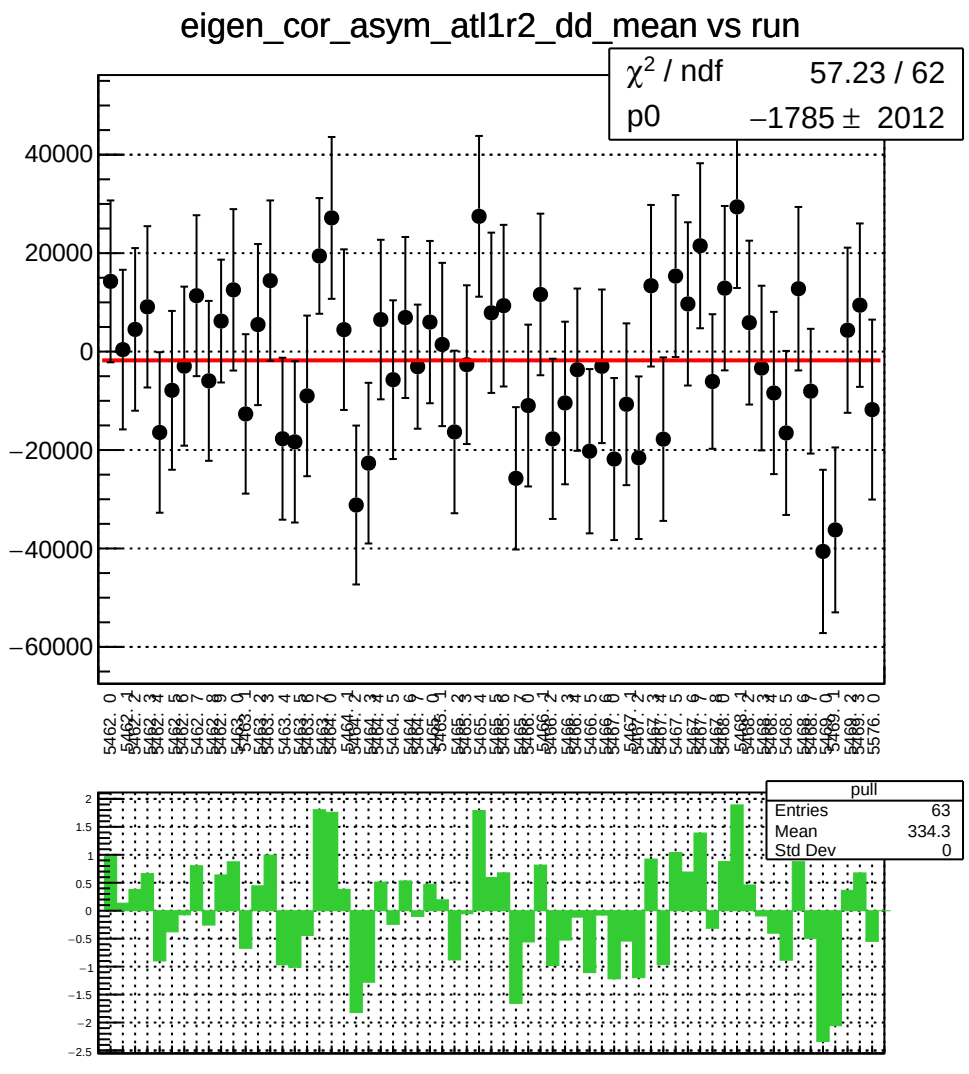

pull1D
Entries 63
Mean −0.007882
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

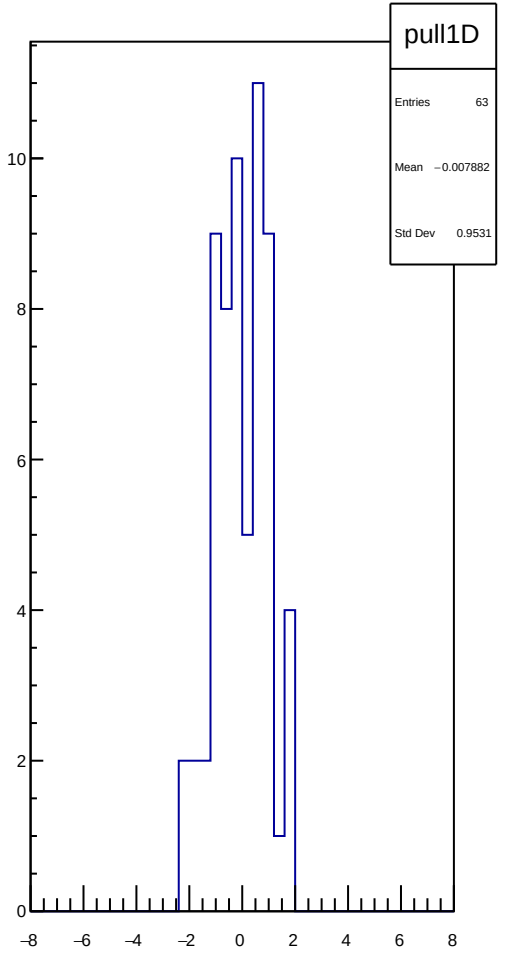

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 1341 / 62
p0 1564 ± 1.422
2000
1900
1800
1700
1600
1500

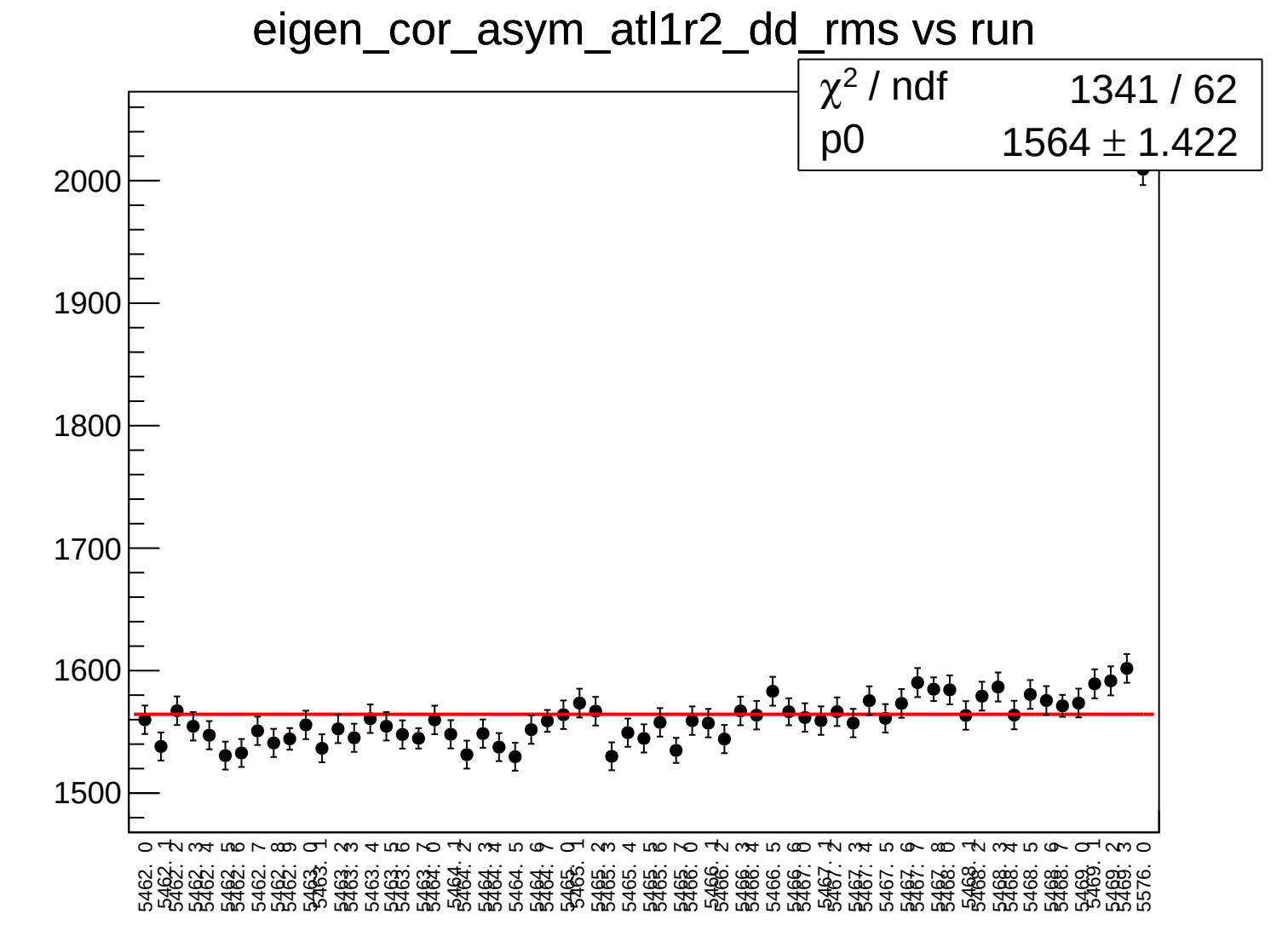

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.92 / 62
p0 4321 ± 6247
pull
Entries 63
Mean 310.3
Std Dev 0

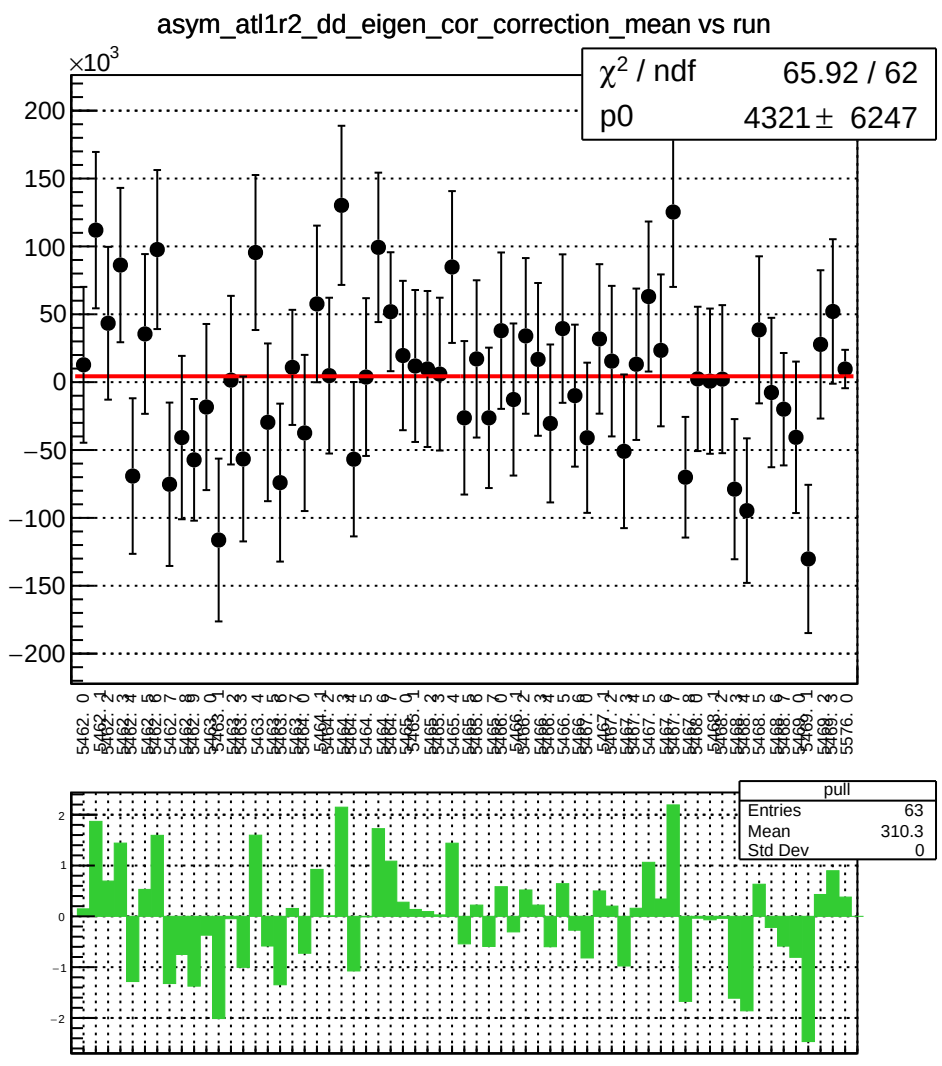

pull1D
Entries 63
Mean −0.007739
Std Dev 1.023

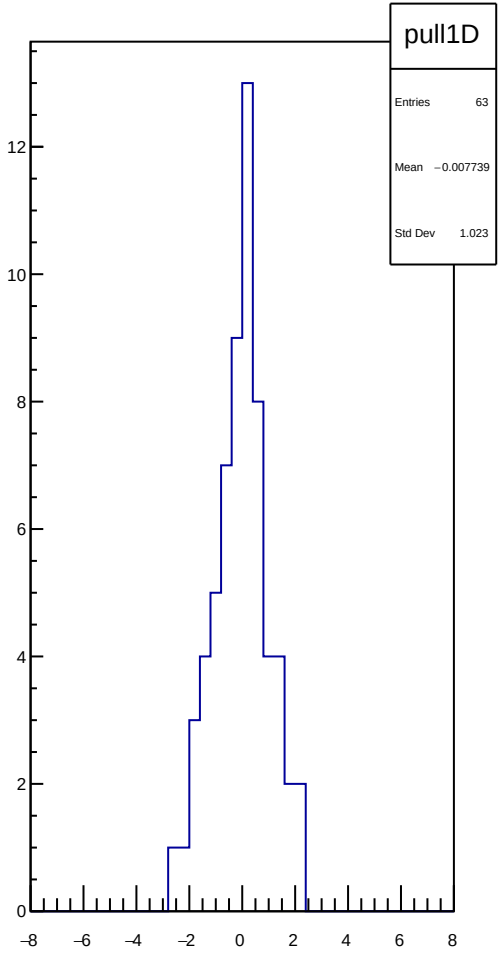

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 1.182e+05 / 62
p0 4618 ± 4.417
6000
5000
4000
3000
2000

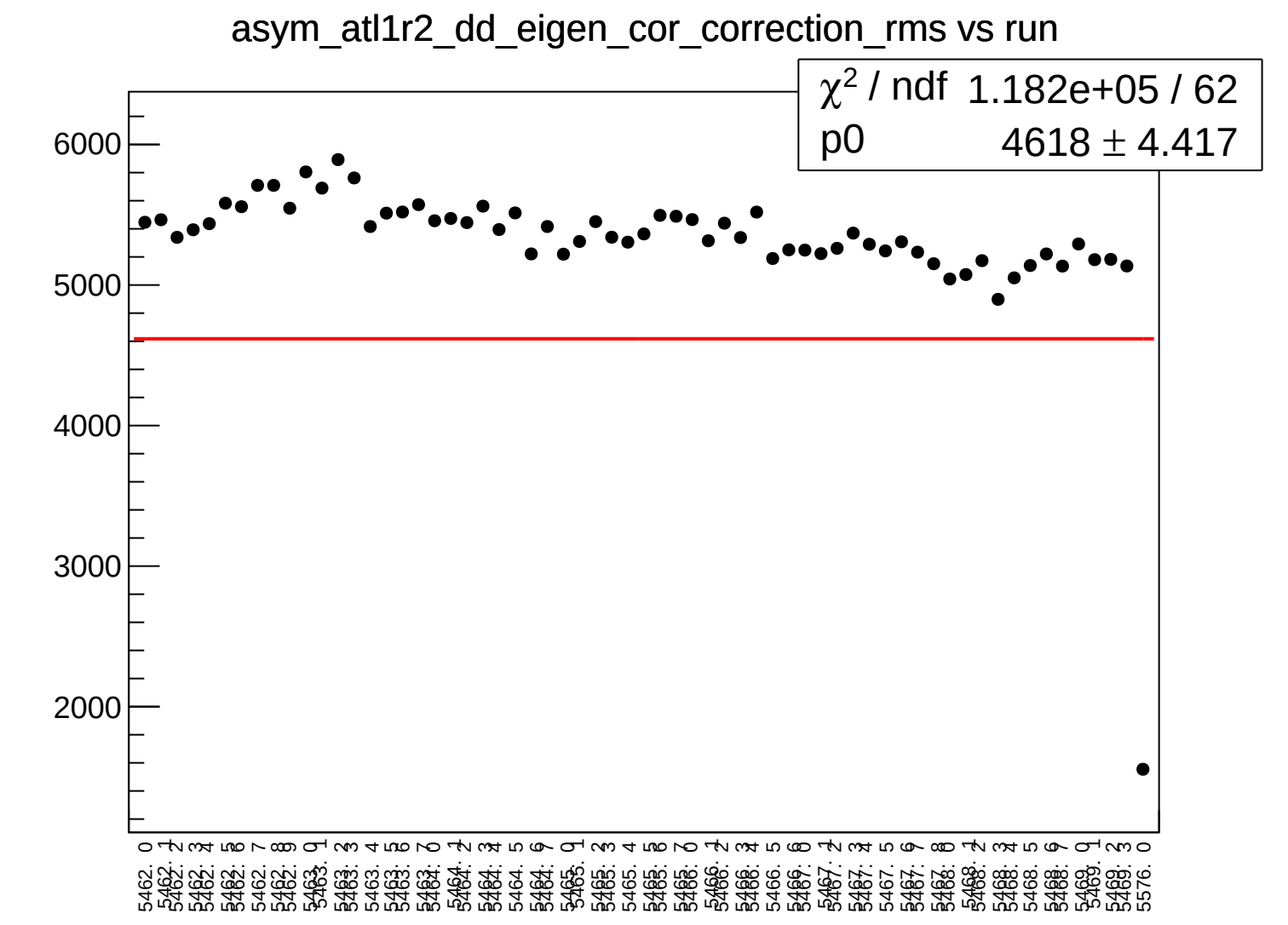

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 57.23 / 62
p0 −1785 ± 2012
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 334.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

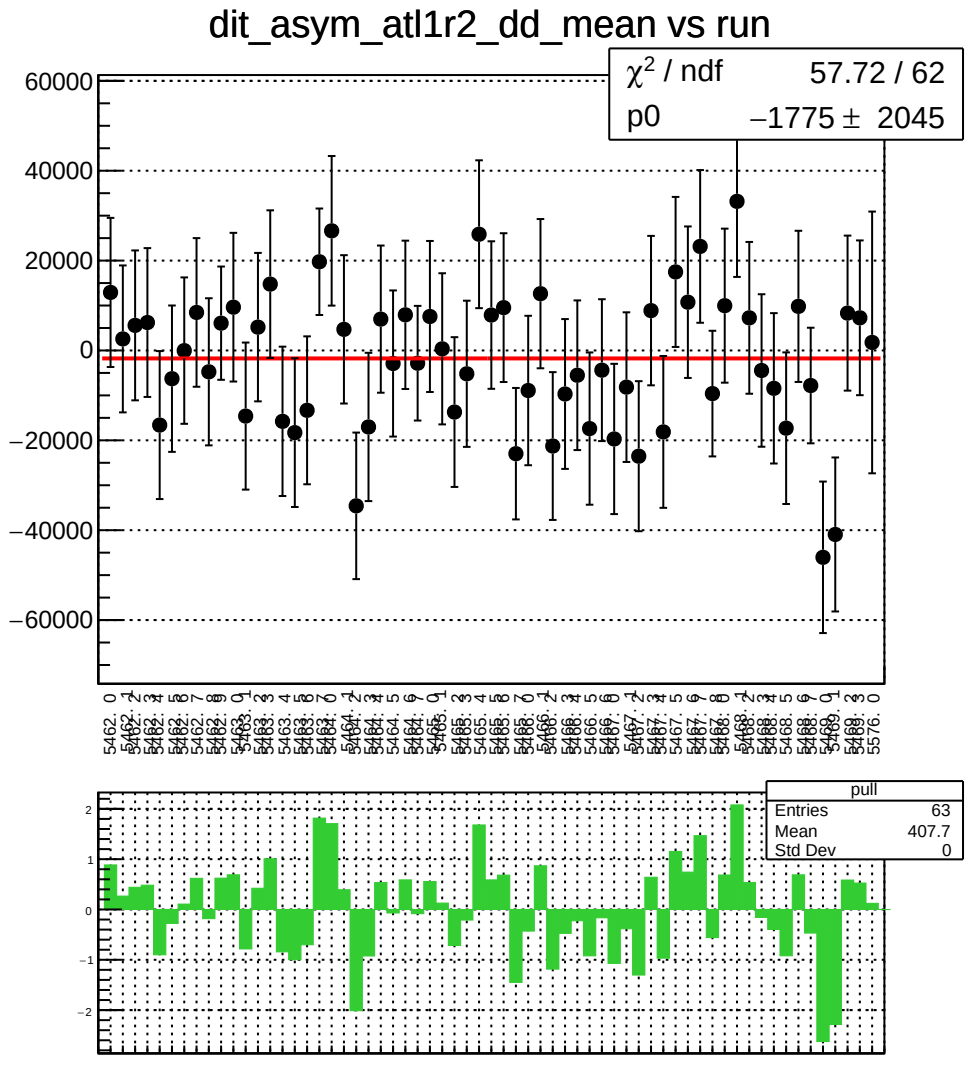

pull1D
Entries 63
Mean −0.007882
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

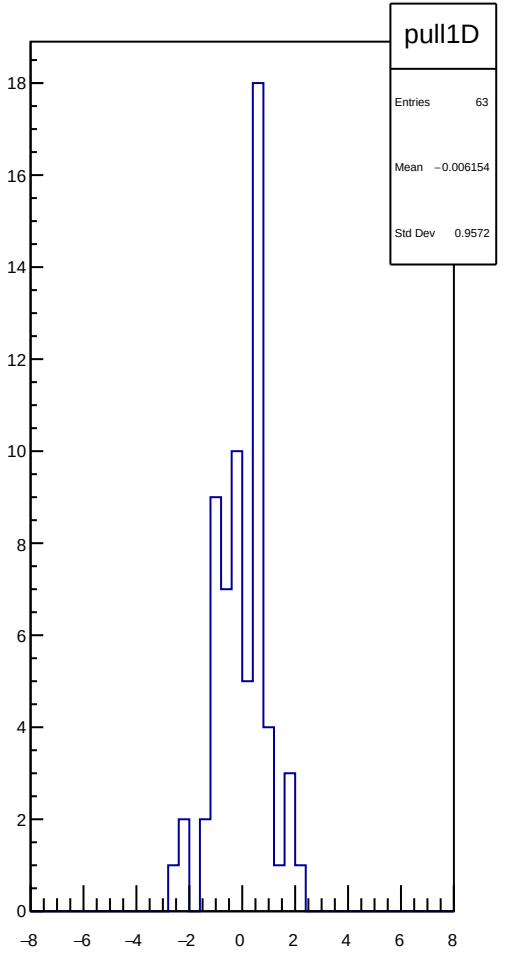

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 1341 / 62
p0 1564 ± 1.422
2000
1900
1800
1700
1600
1500

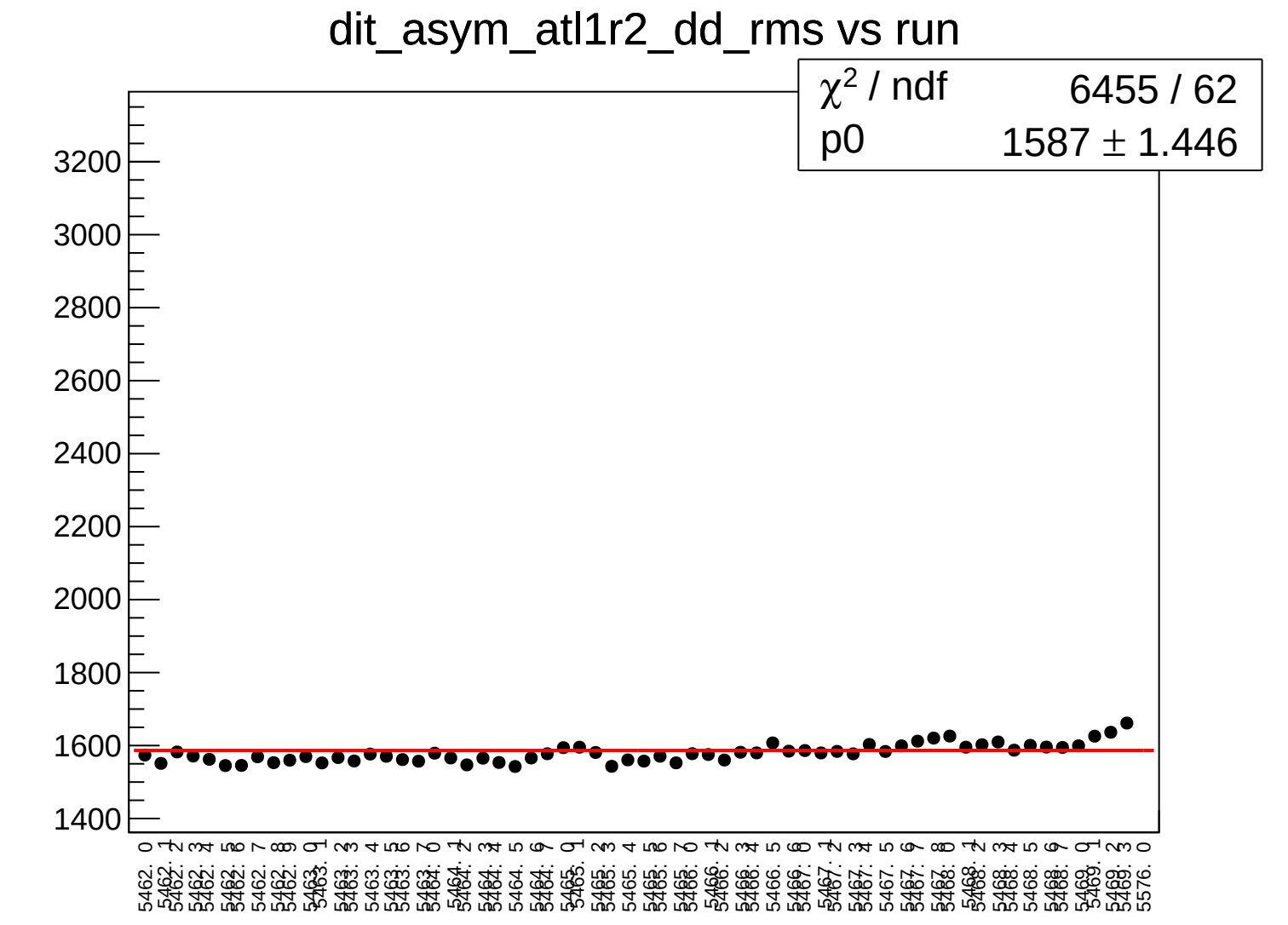

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.92 / 62
p0 4321 ± 6247
pull
Entries 63
Mean 310.3
Std Dev 0

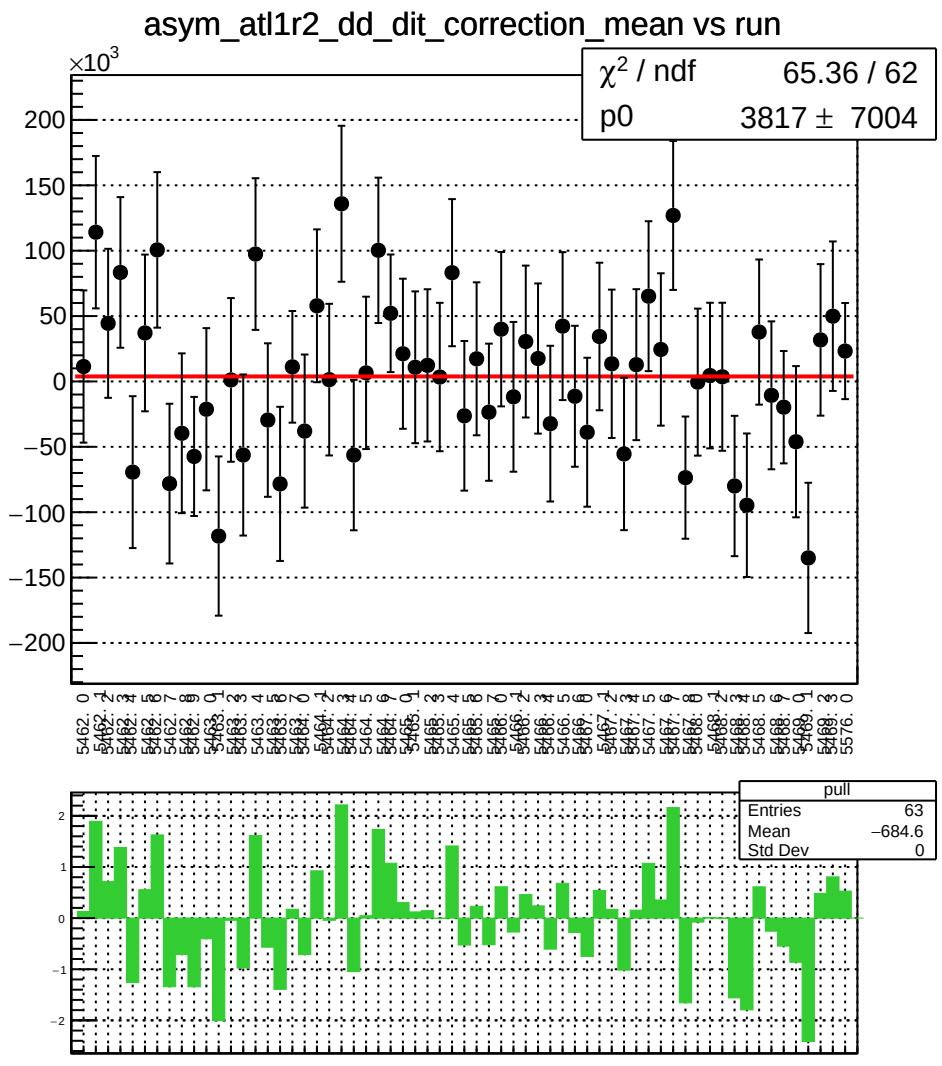

pull1D
Entries 63
Mean −0.007739
Std Dev 1.023

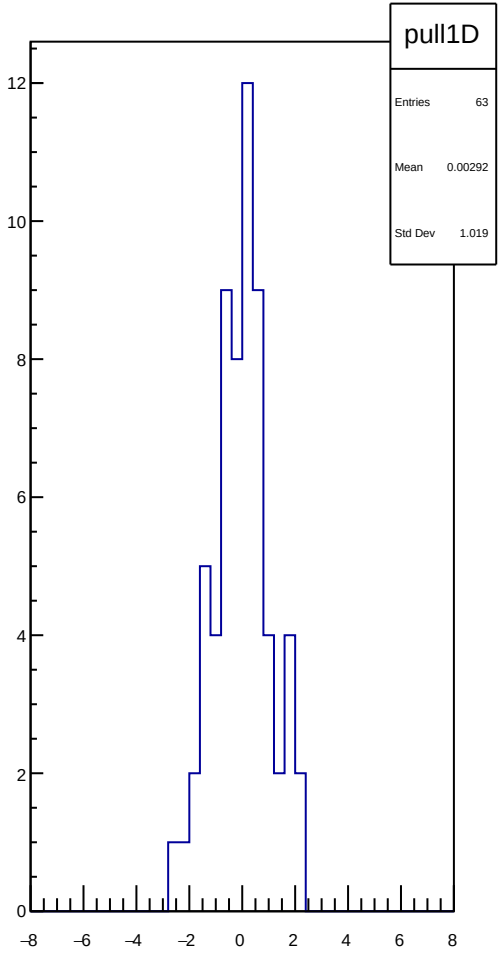

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.182e+05 / 62
p0 4618 ± 4.417
6000
5000
4000
3000
2000

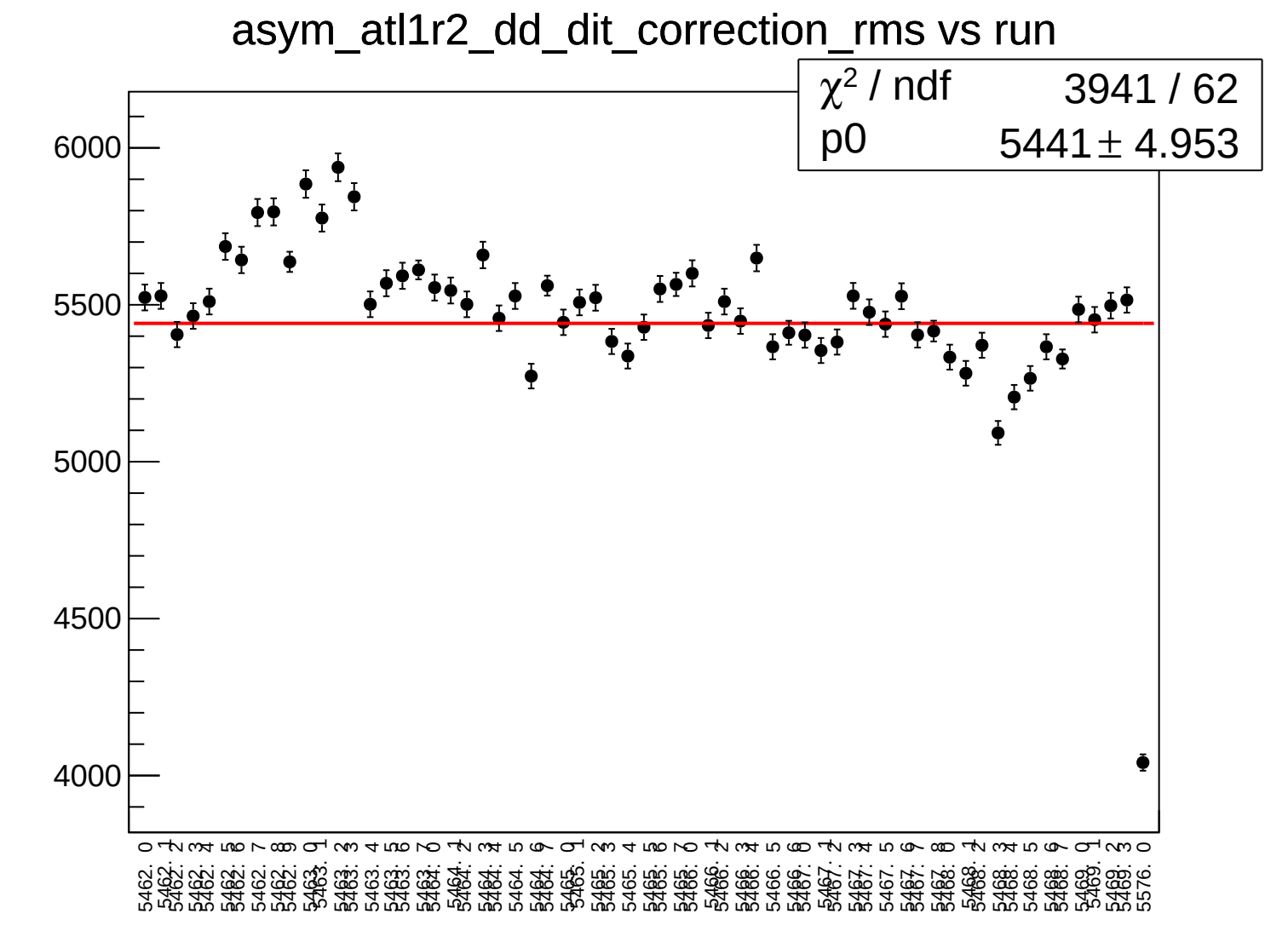

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 57.72 / 62
p0 −1775 ± 2045
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 407.7
Std Dev 0
2
1
0
−1
−2

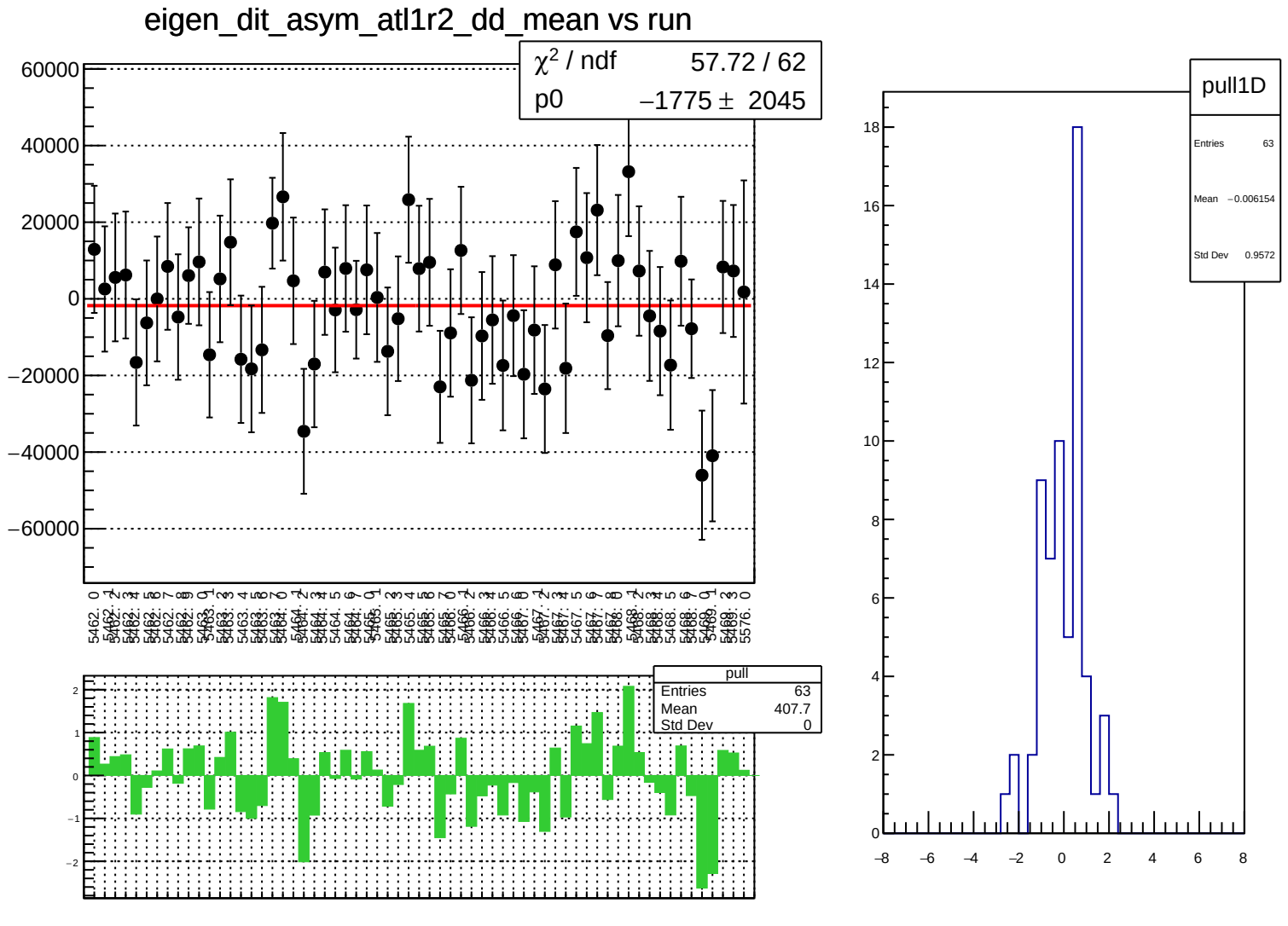

pull1D
Entries 63
Mean −0.006154
Std Dev 0.9572
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

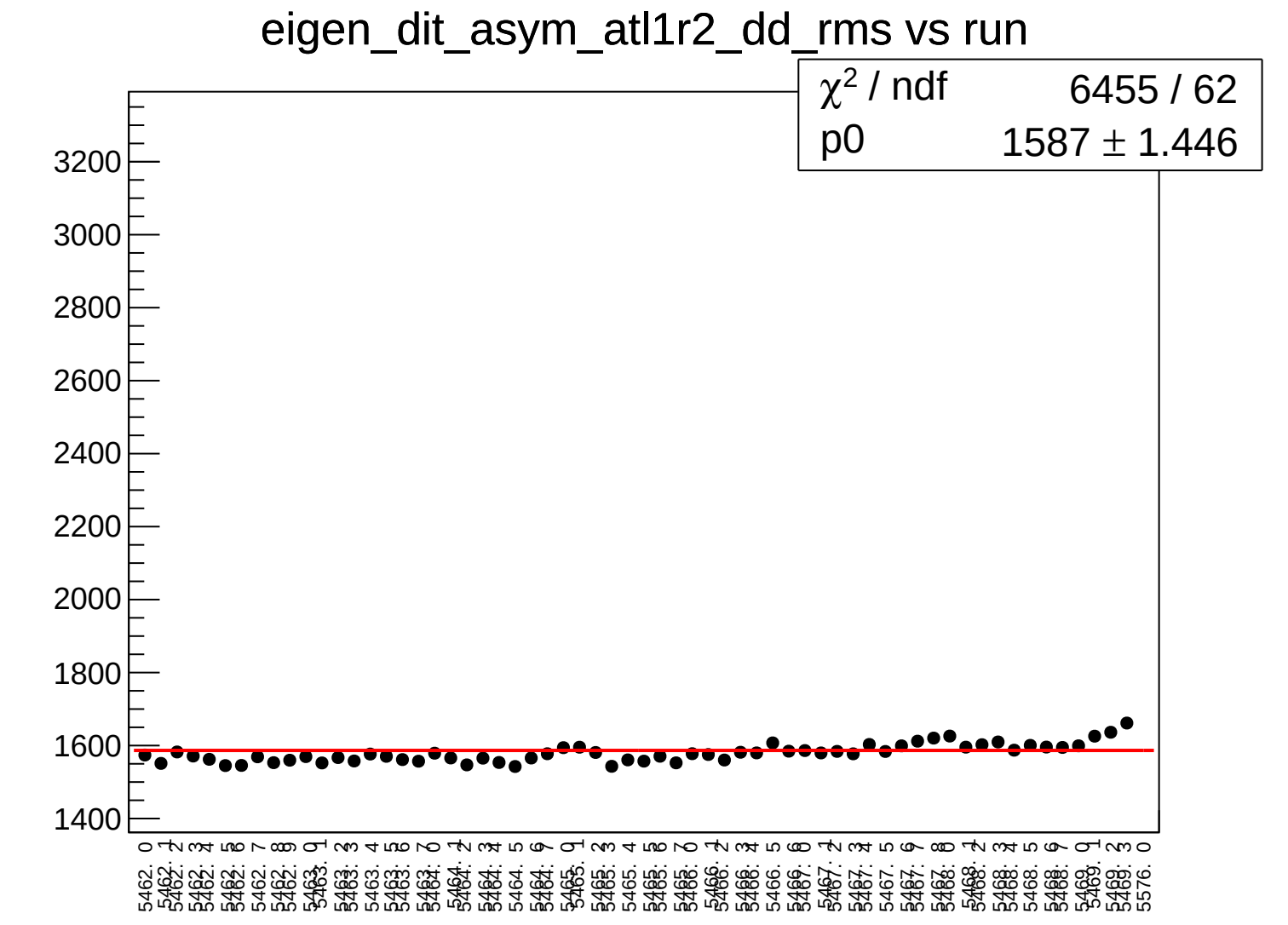

dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 6455 / 62
p0 1587 ± 1.446
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

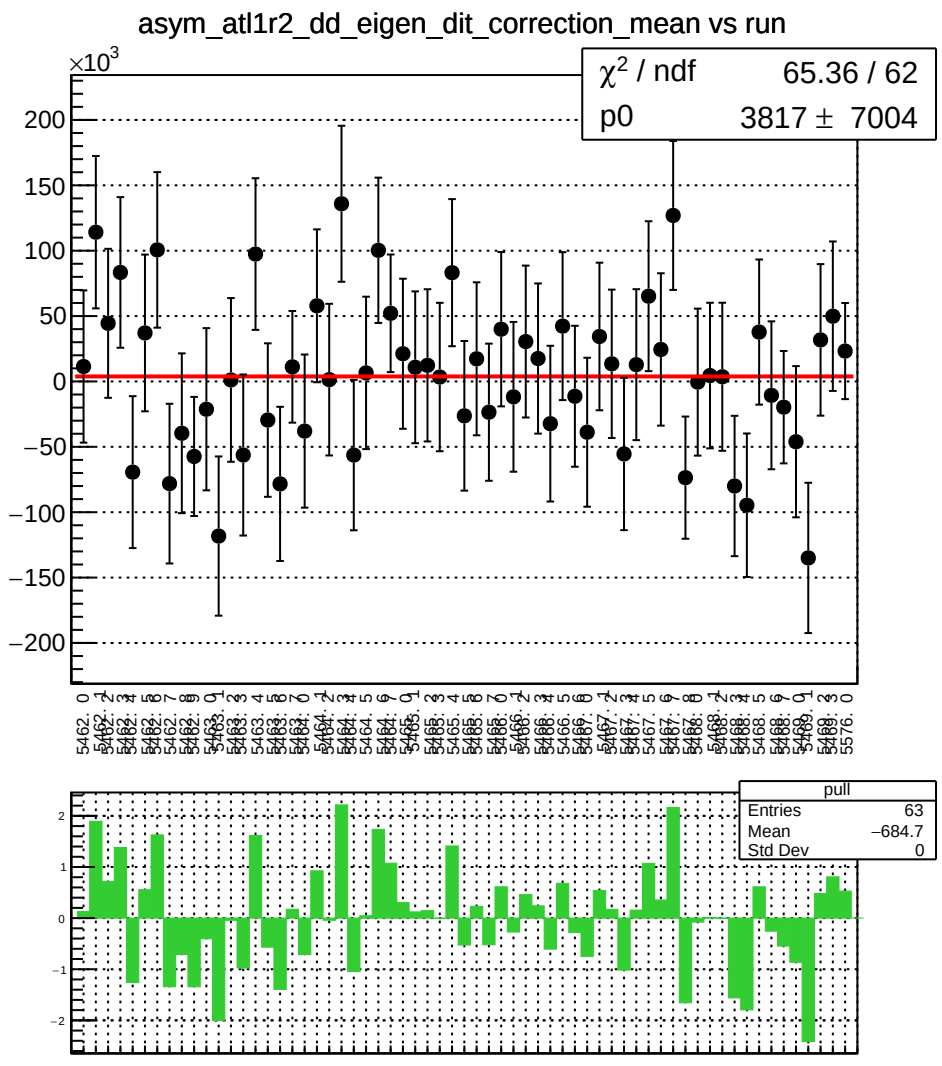

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 65.36 / 62
p0 3817 ± 7004
pull
Entries 63
Mean −684.6
Std Dev 0

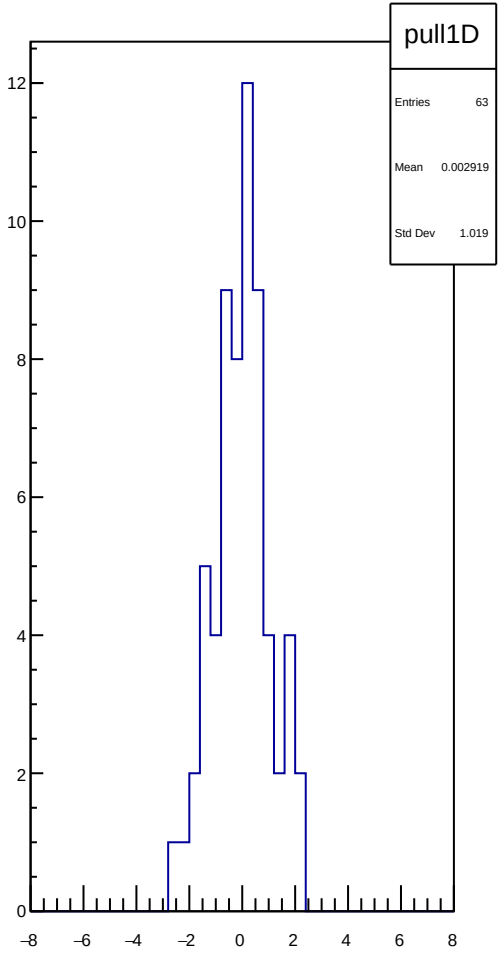

pull1D
Entries 63
Mean 0.00292
Std Dev 1.019

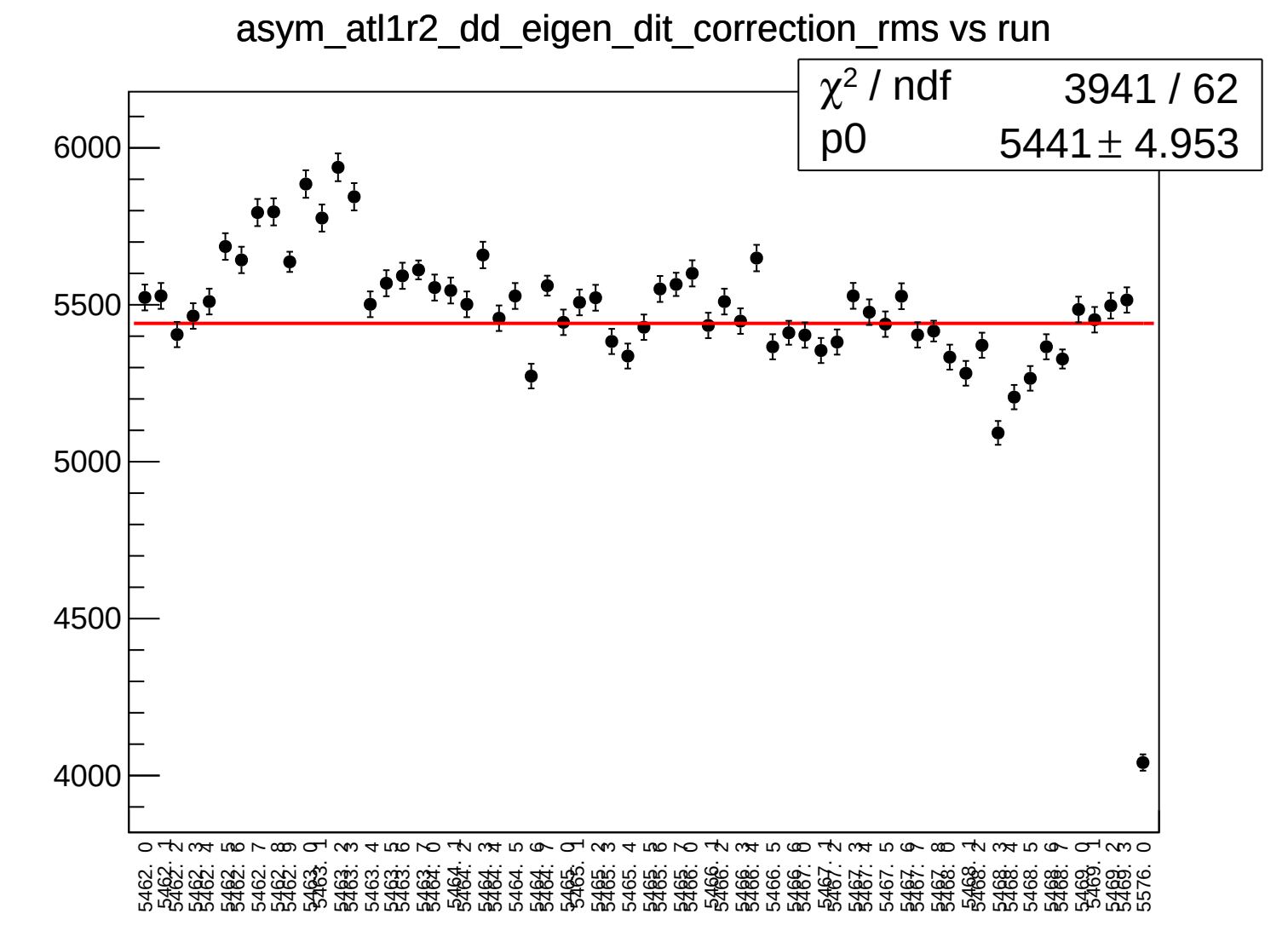

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 3941 / 62
p0 5441 ± 4.953
6000
5500
5000
4500
4000

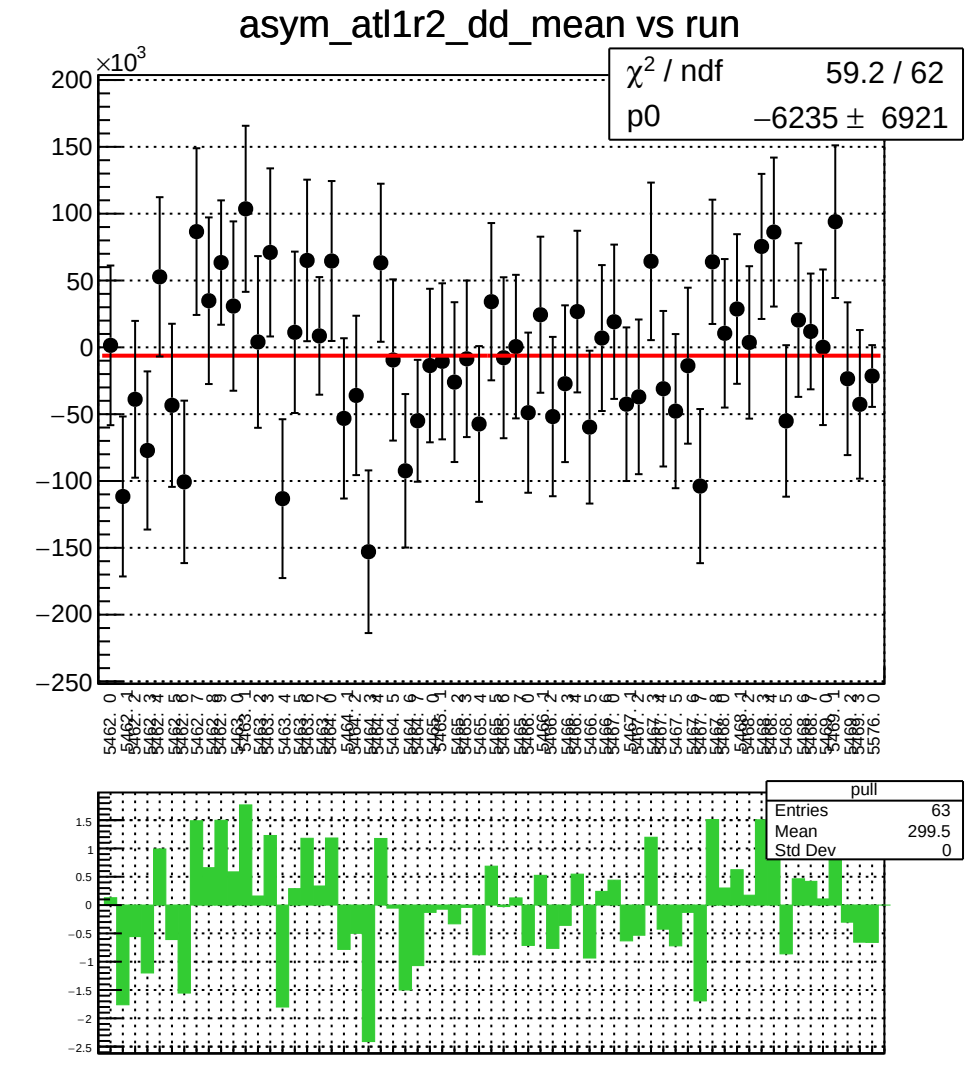

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 57.72 / 62
p0 −1775 ± 2045
pull
Entries 63
Mean 407.7
Std Dev 0
pull1D
Entries 63
Mean −0.006154
Std Dev 0.9572

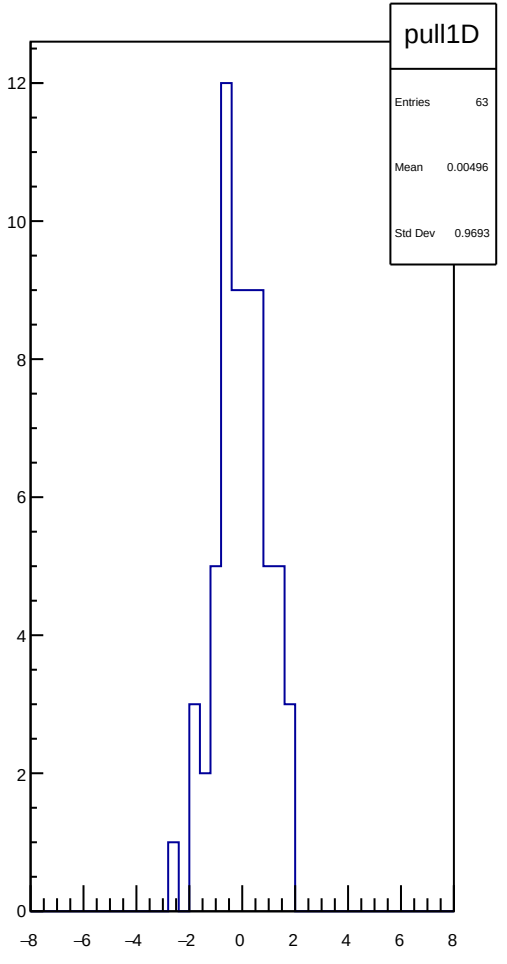

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 6455 / 62
p0 1587 ± 1.446
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

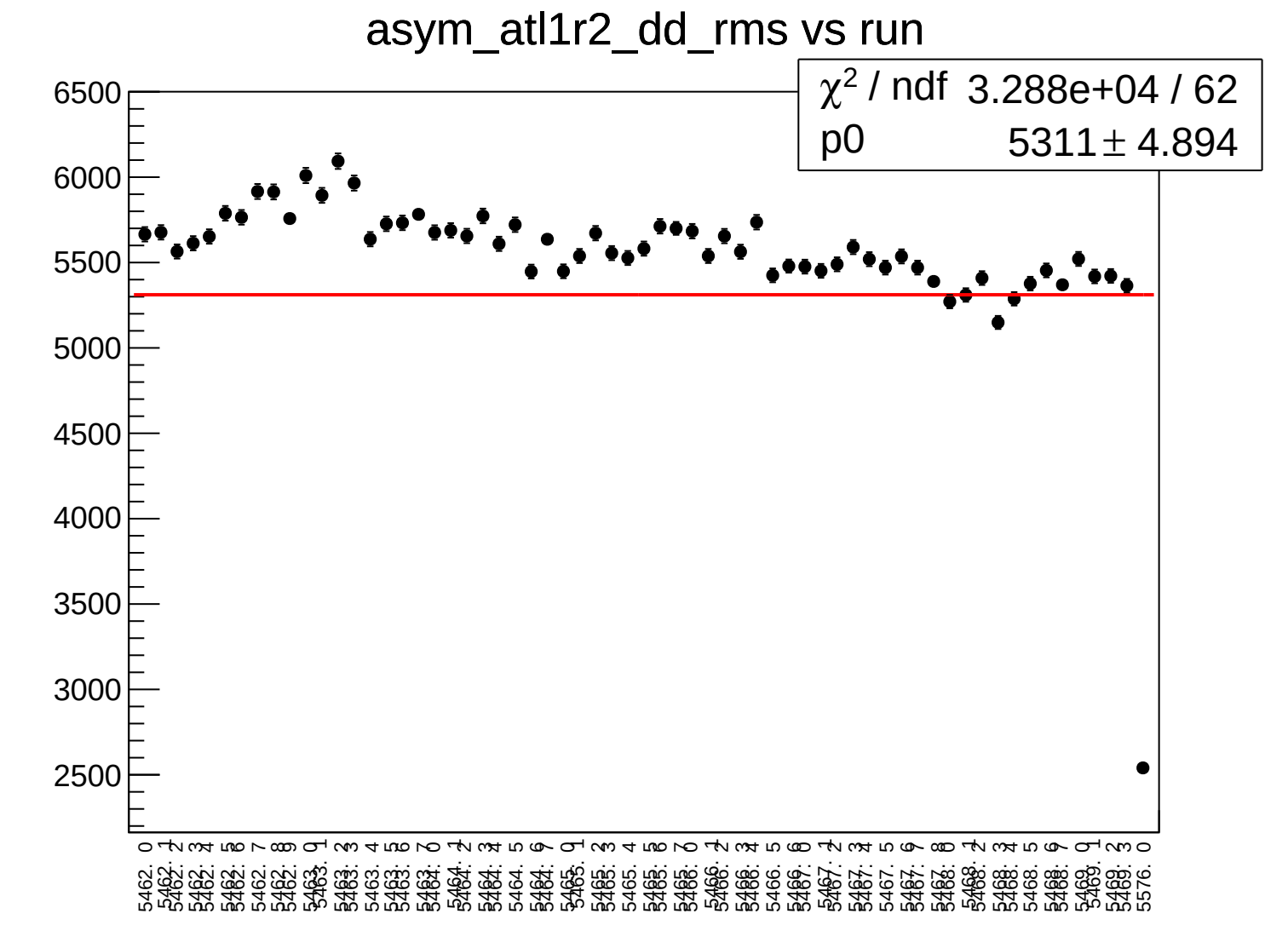

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.36 / 62
p0 3817 ± 7004
pull
Entries 63
Mean −684.7
Std Dev 0

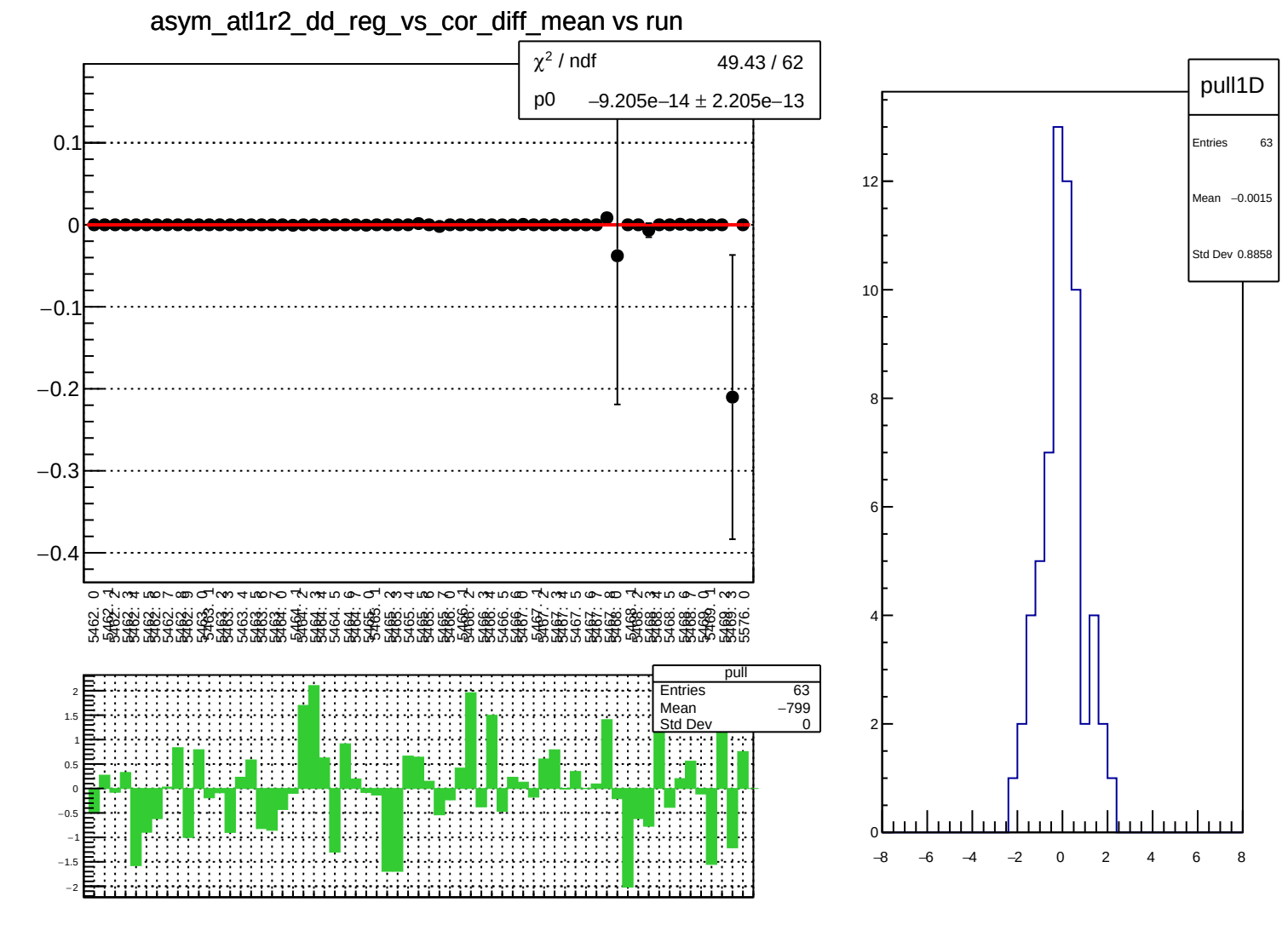

pull1D
Entries 63
Mean 0.002919
Std Dev 1.019

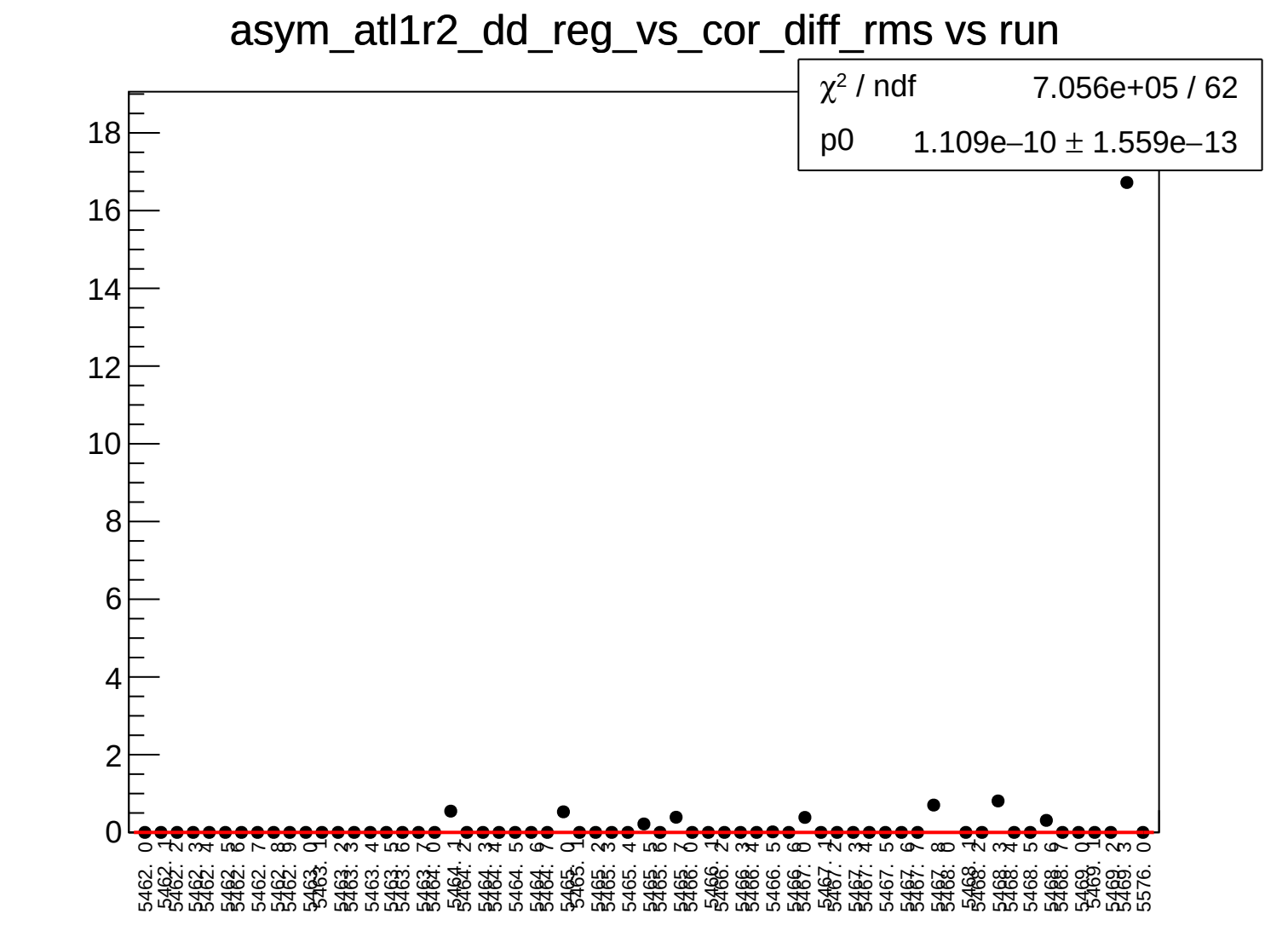

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3941 / 62
p0 5441 ± 4.953
6000
5500
5000
4500
4000

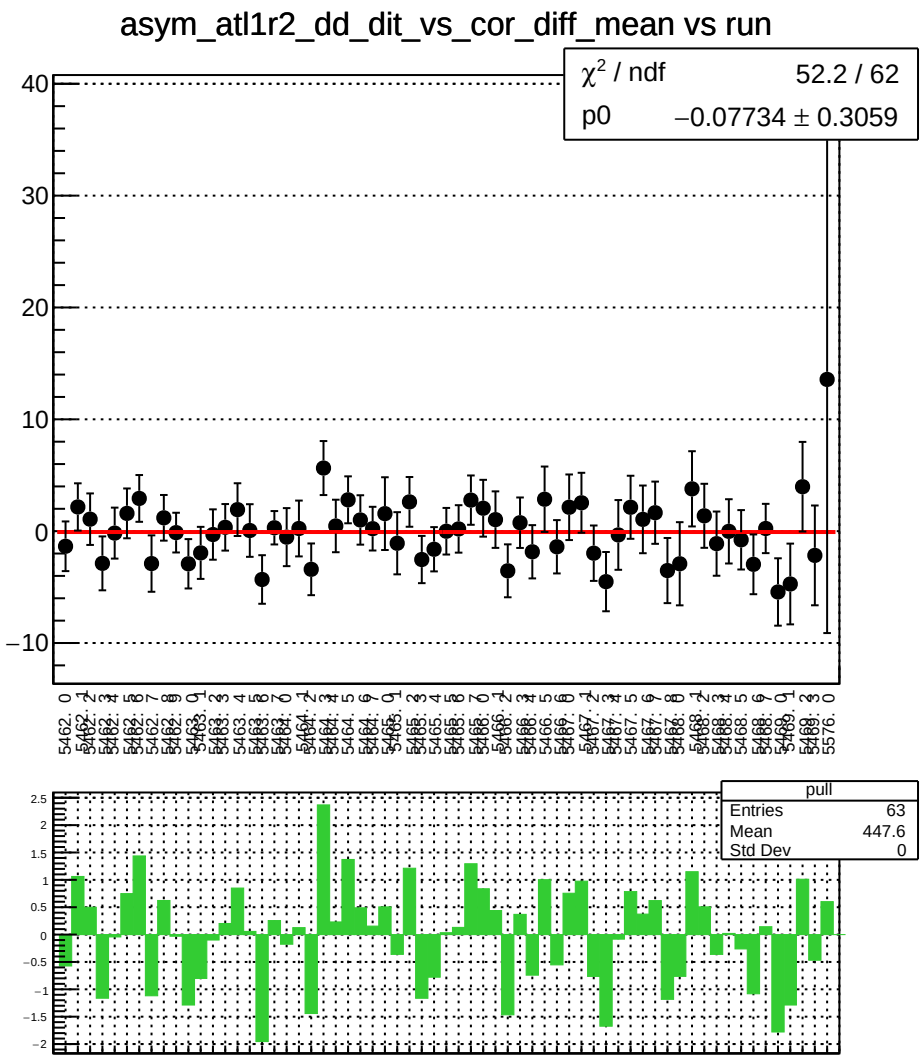

asym_atl1r2_dd_mean vs run
χ² / ndf 59.2 / 62
p0 −6235 ± 6921
pull
Entries 63
Mean 299.5
Std Dev 0

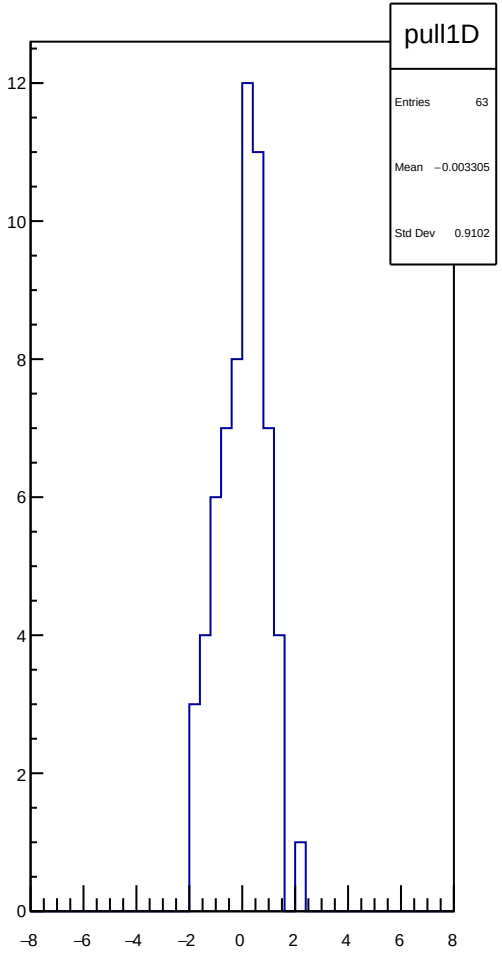

pull1D
Entries 63
Mean 0.00496
Std Dev 0.9693

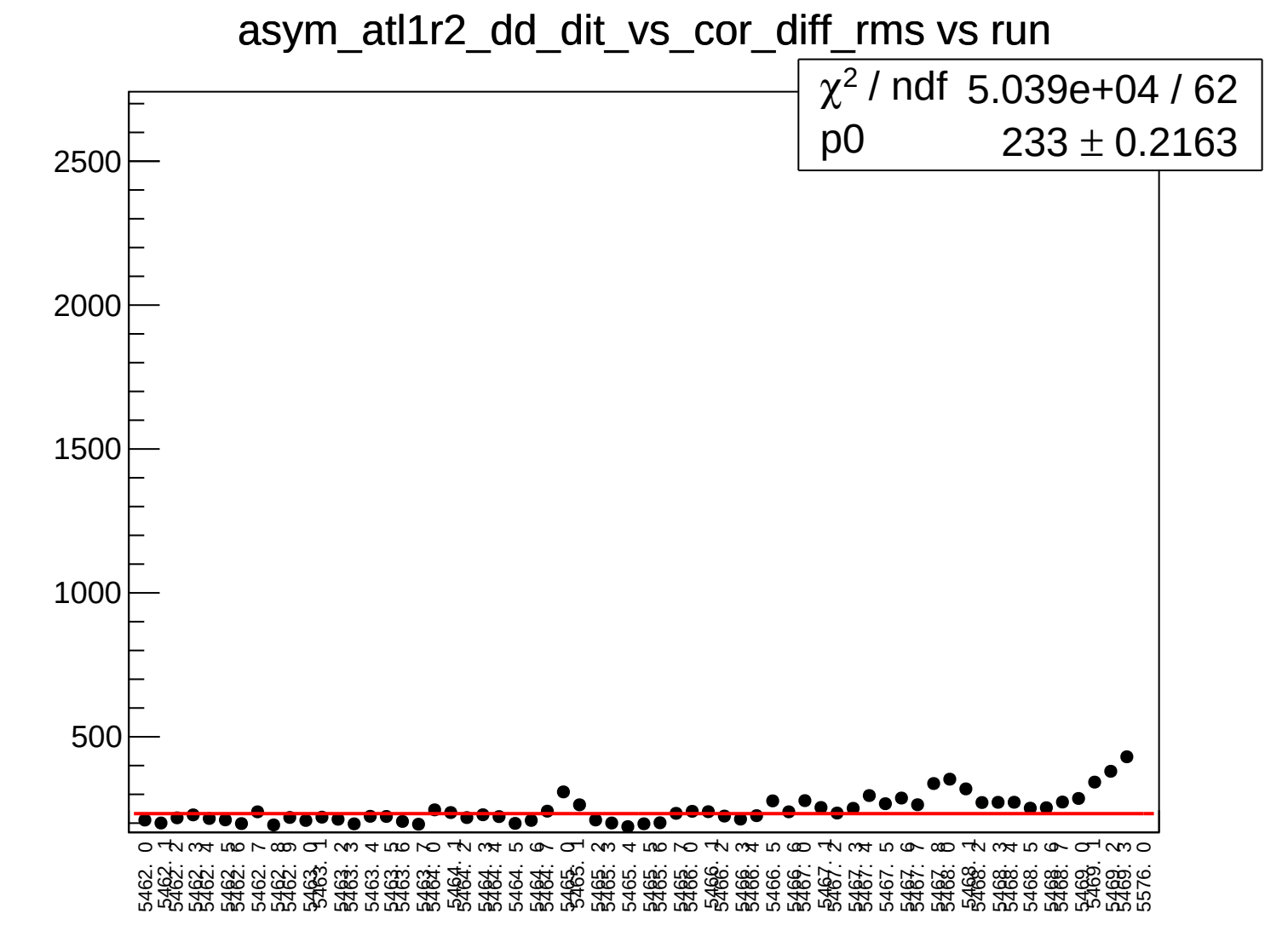

asym_atl1r2_dd_rms vs run
χ² / ndf 3.288e+04 / 62
p0 5311 ± 4.894
6500
6000
5500
5000
4500
4000
3500
3000
2500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

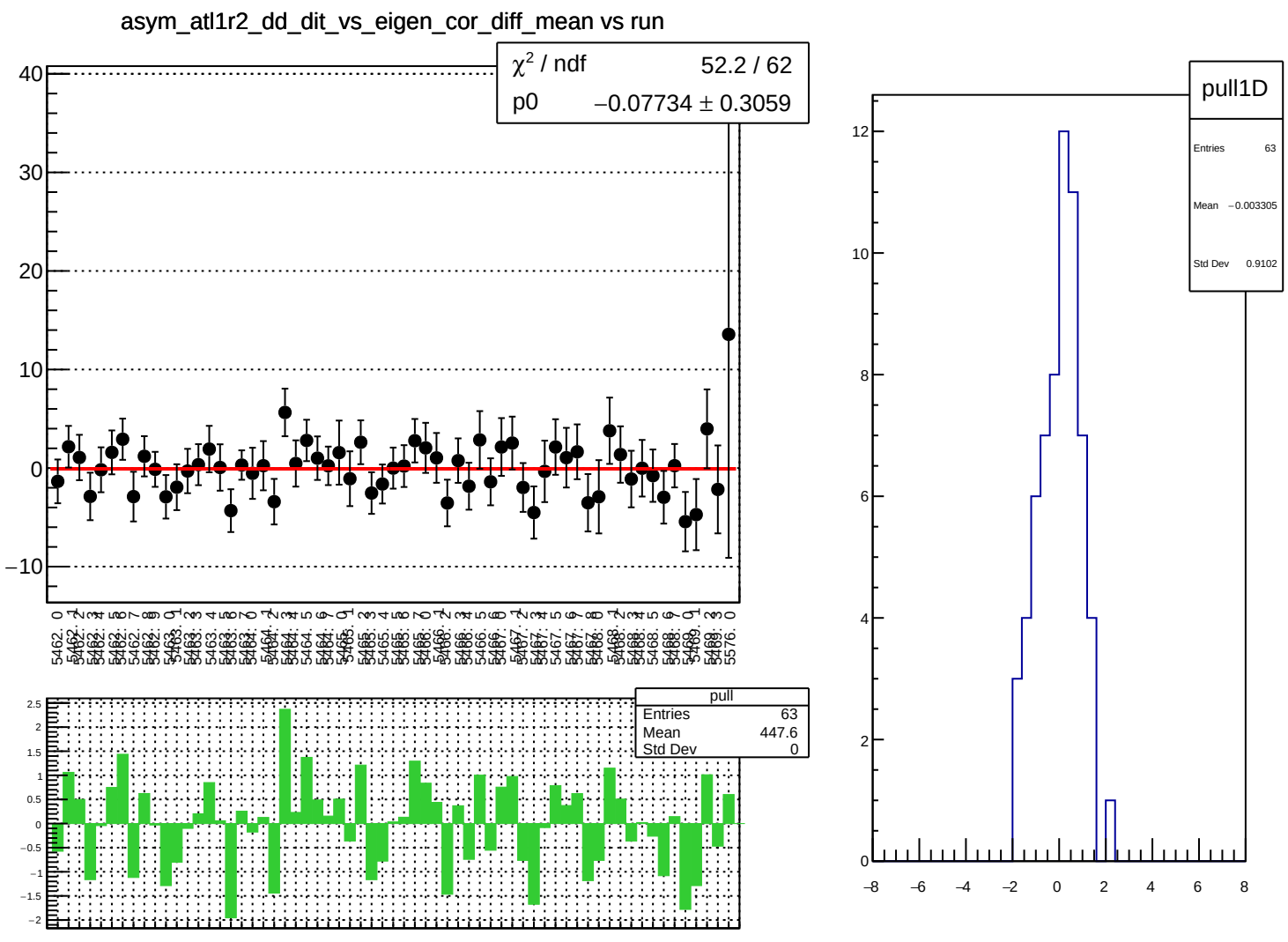

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.43 / 62
p0 −9.205e−14 ± 2.205e−13
pull
Entries 63
Mean −799
Std Dev 0
pull1D
Entries 63
Mean −0.0015
Std Dev 0.8858

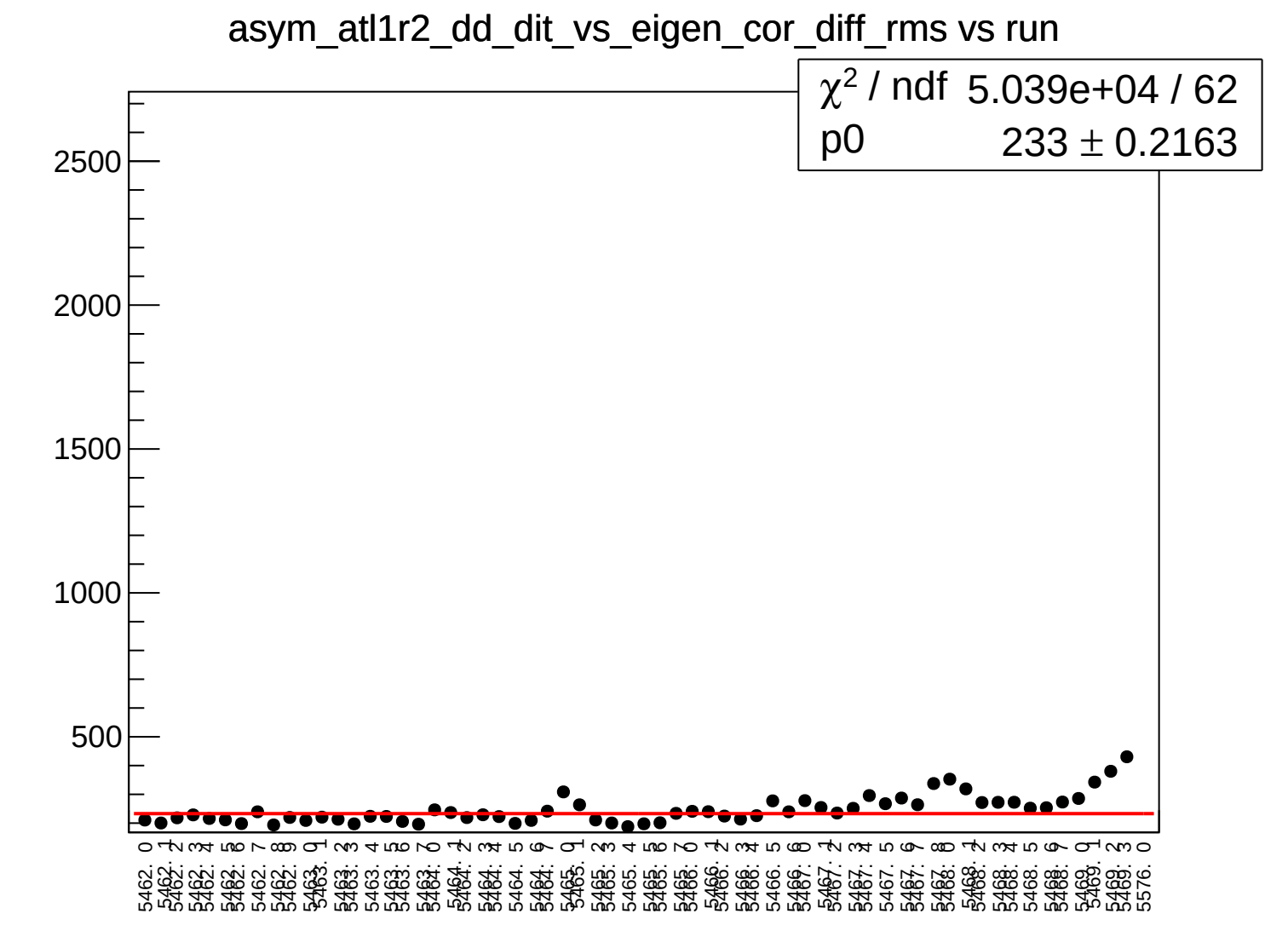

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.056e+05 / 62
p0 1.109e−10 ± 1.559e−13
18
16
14
12
10
8
6
4
2
0

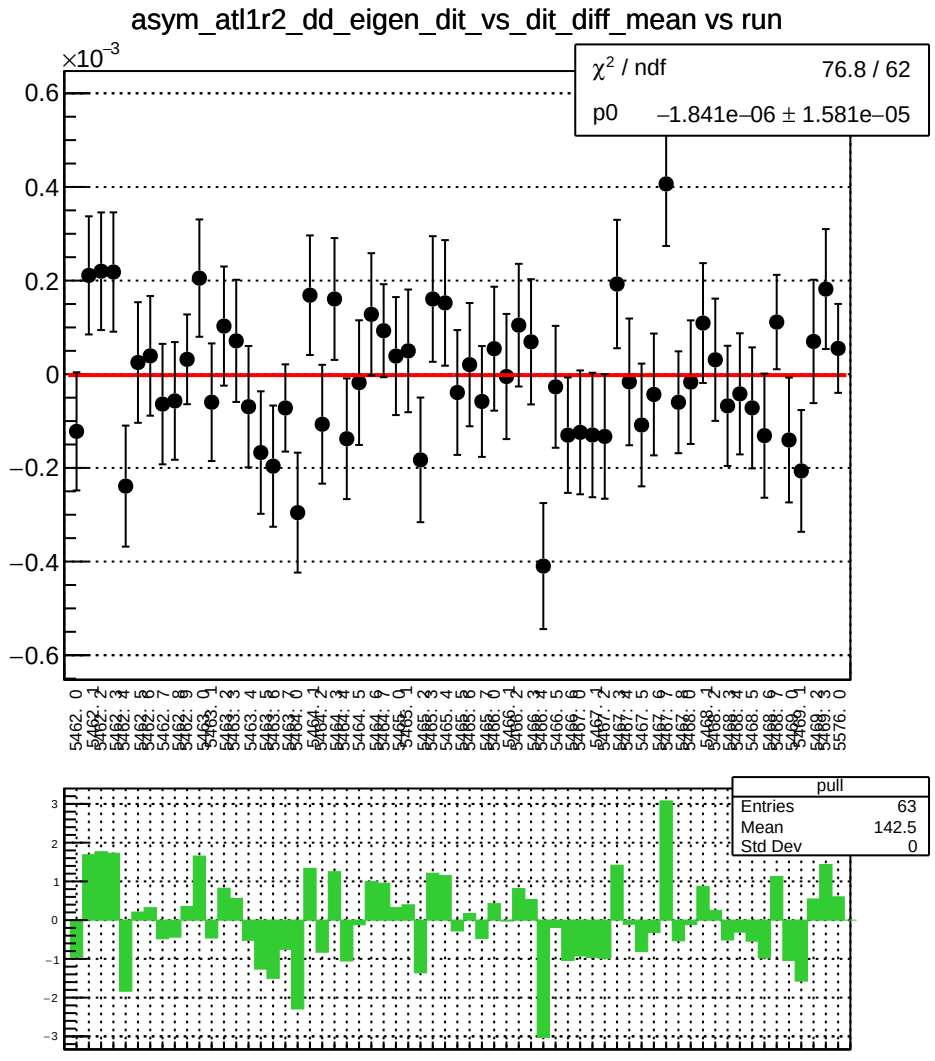

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.2 / 62
p0 −0.07734 ± 0.3059
pull
Entries 63
Mean 447.6
Std Dev 0

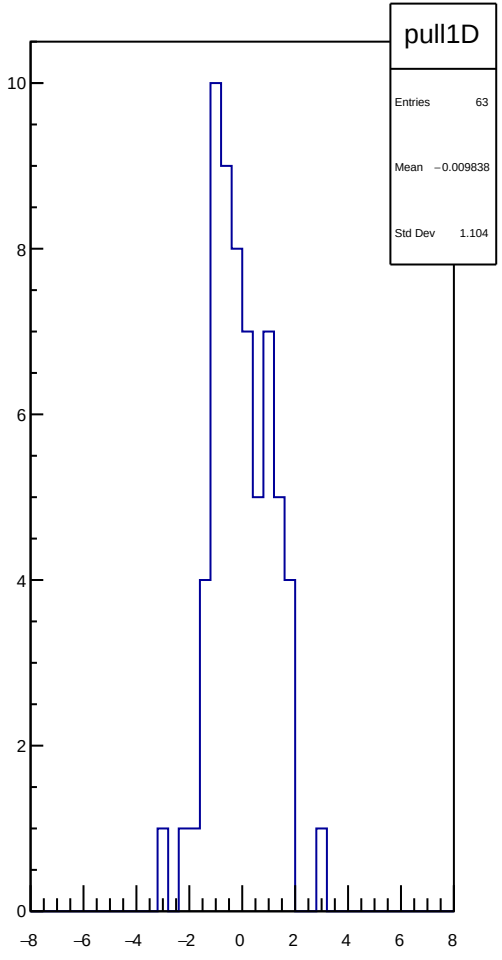

pull1D
Entries 63
Mean −0.003305
Std Dev 0.9102

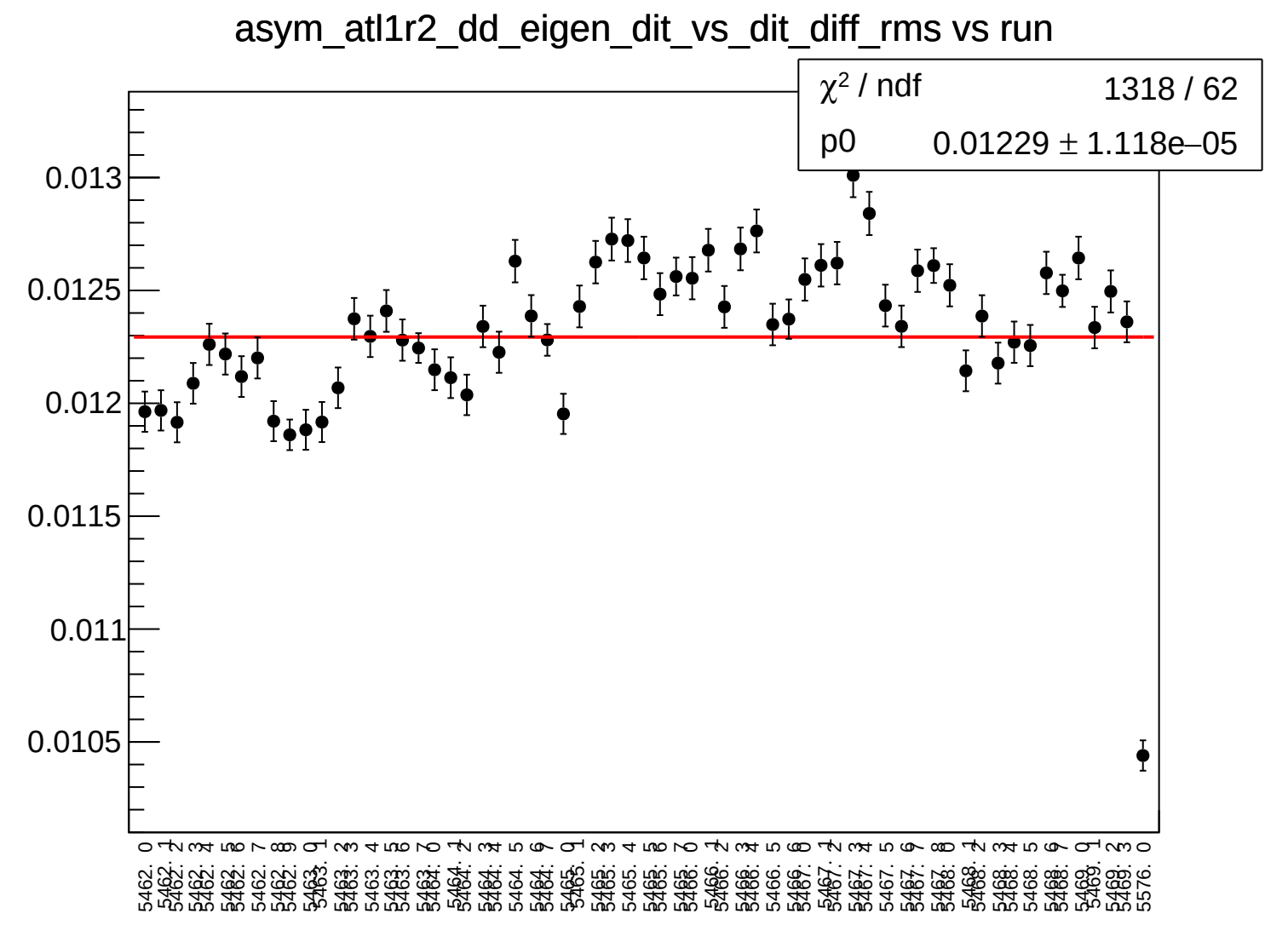

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.039e+04 / 62
p0 233 ± 0.2163
2500
2000
1500
1000
500

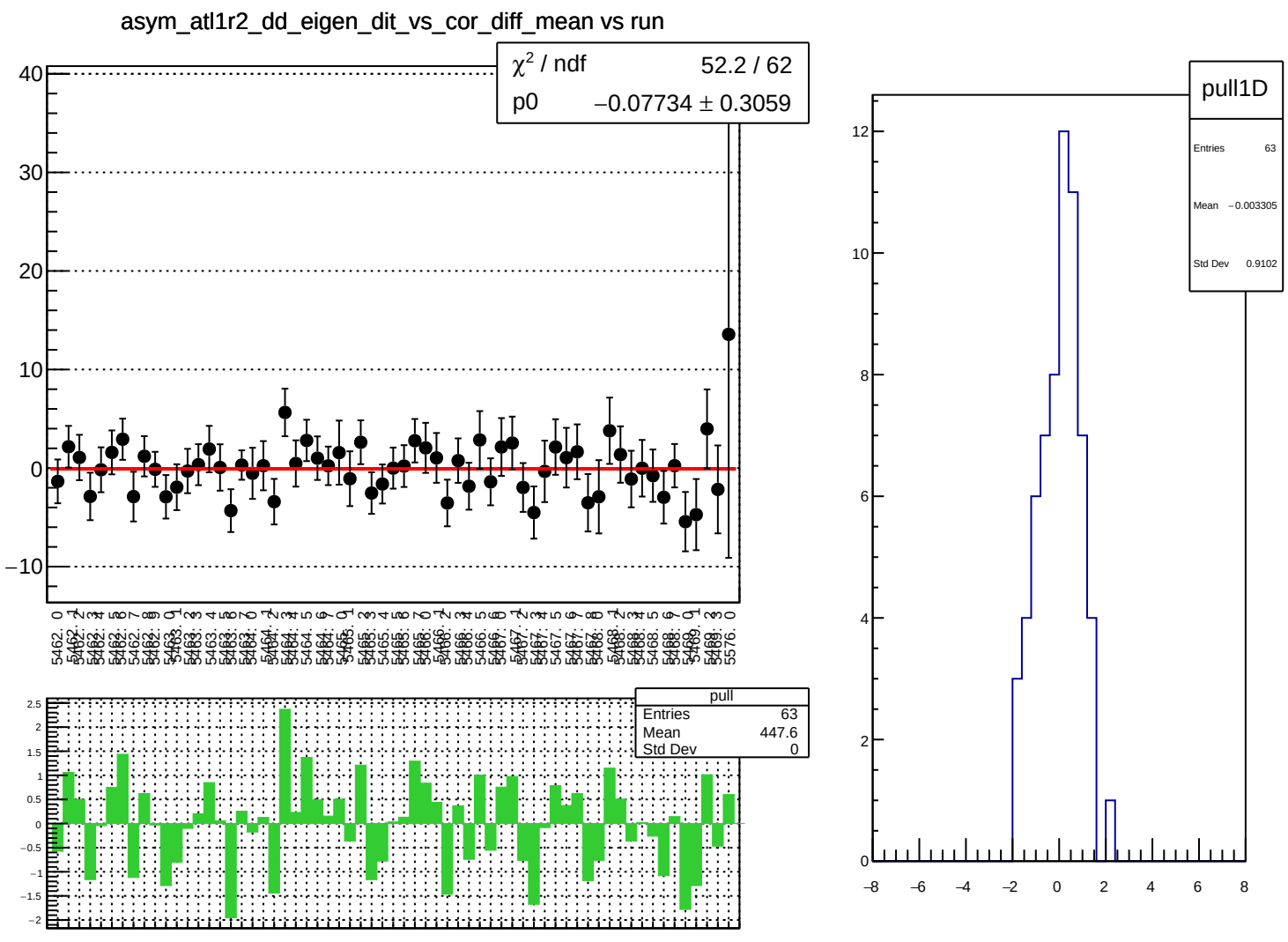

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.2 / 62
p0 −0.07734 ± 0.3059
pull
Entries 63
Mean 447.6
Std Dev 0
pull1D
Entries 63
Mean −0.003305
Std Dev 0.9102

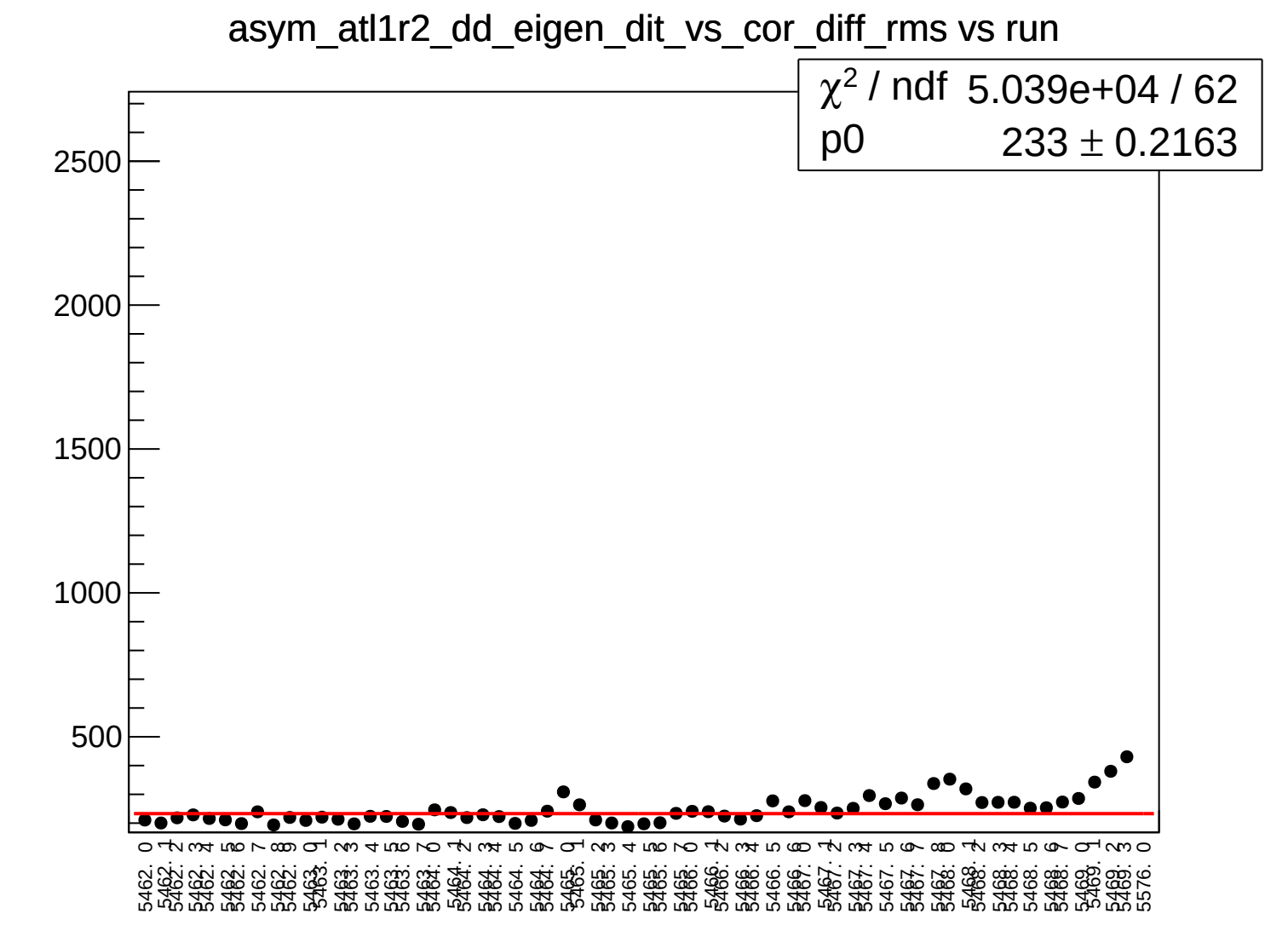

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.039e+04 / 62
p0 233 ± 0.2163
2500
2000
1500
1000
500

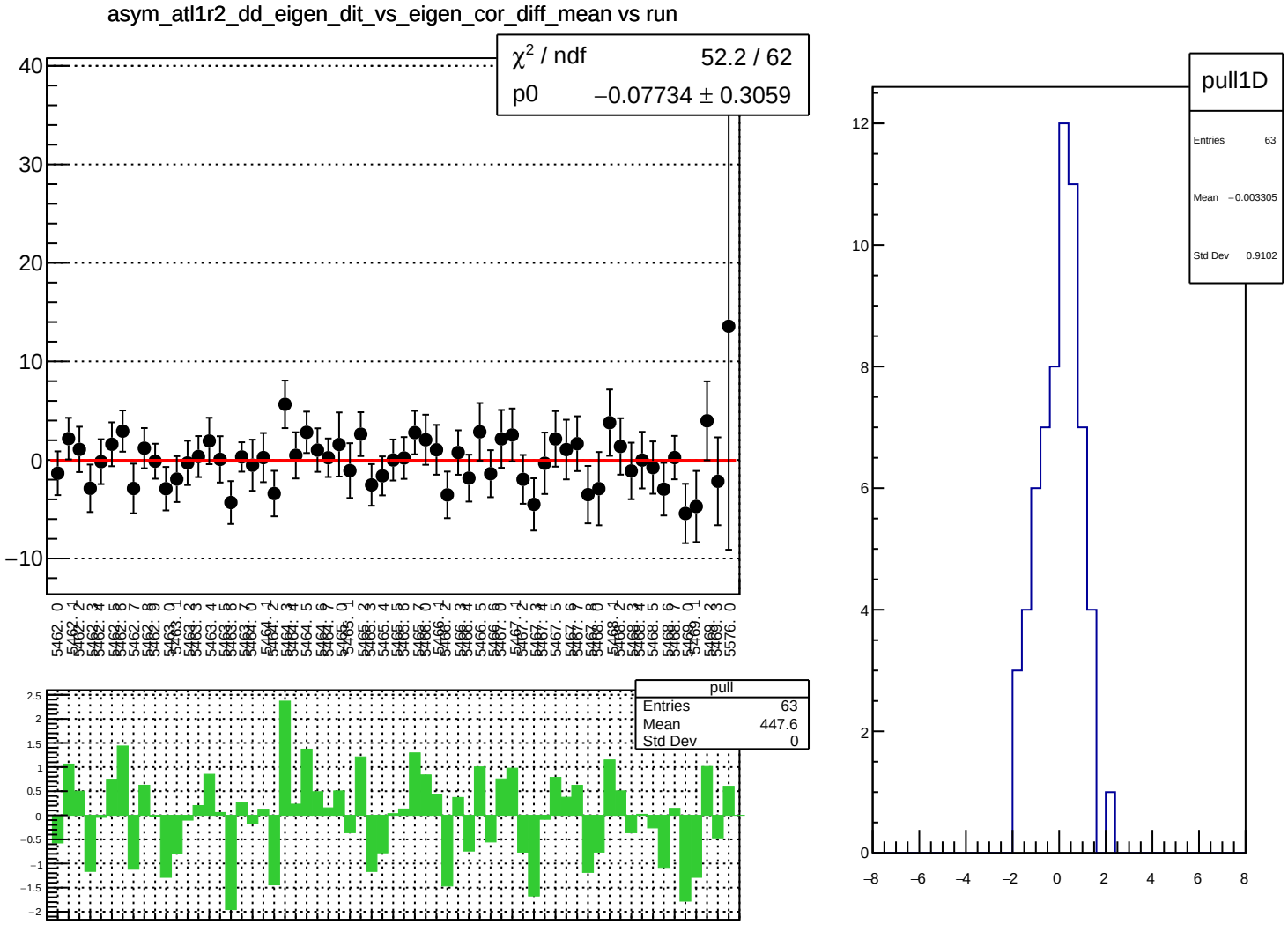

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.8 / 62
p0 −1.841e−06 ± 1.581e−05
pull
Entries 63
Mean 142.5
Std Dev 0

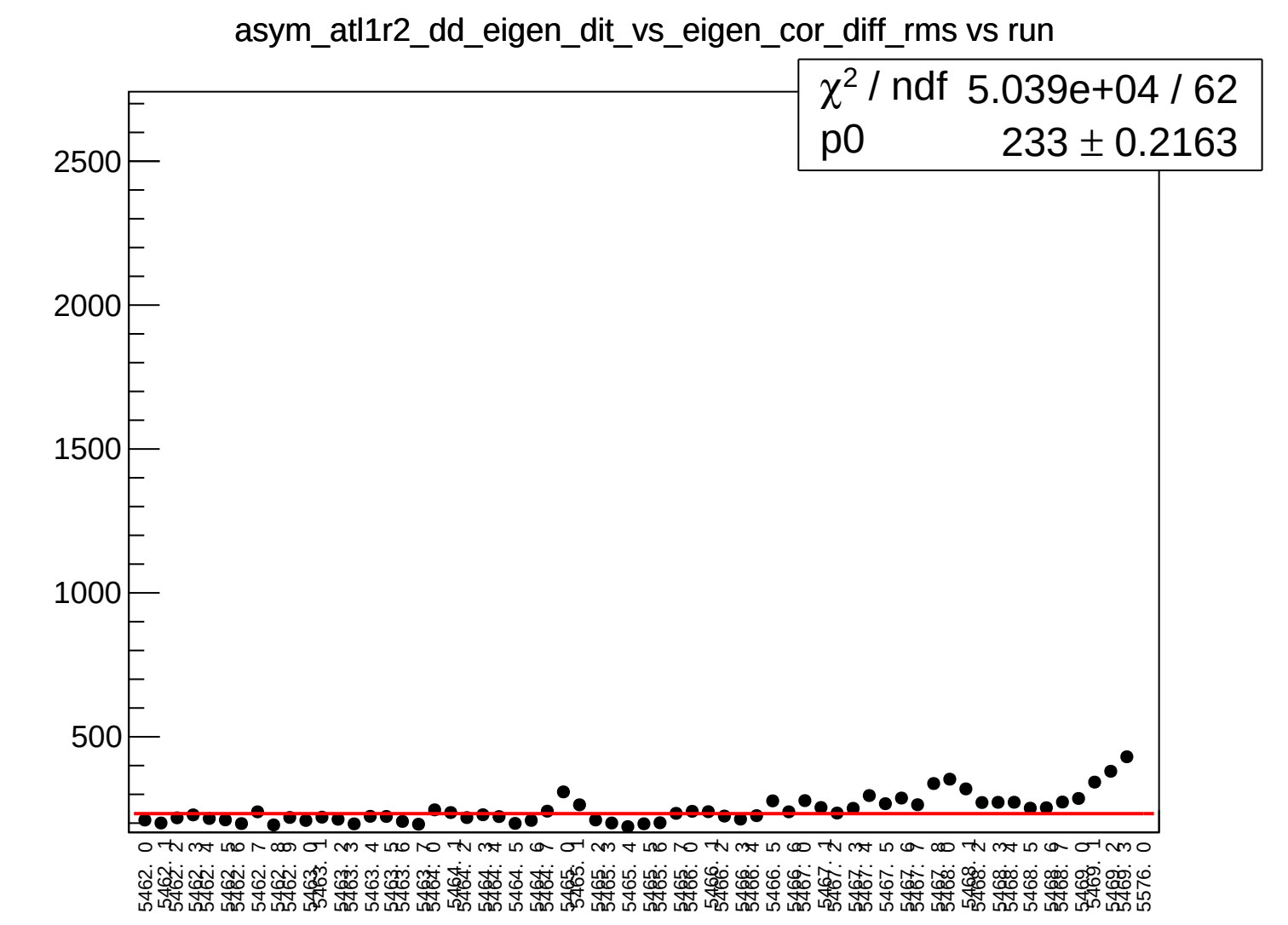

pull1D
Entries 63
Mean −0.009838
Std Dev 1.104

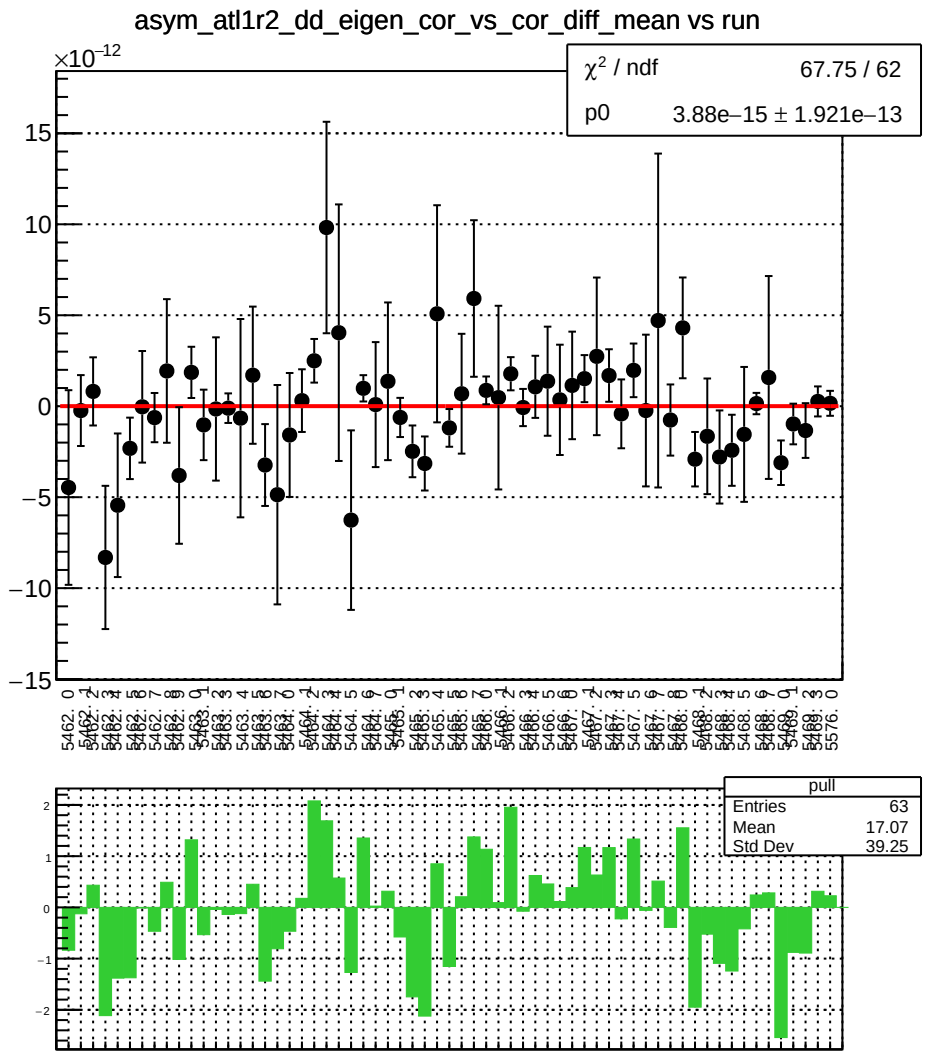

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1318 / 62
p0 0.01229 ± 1.118e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105

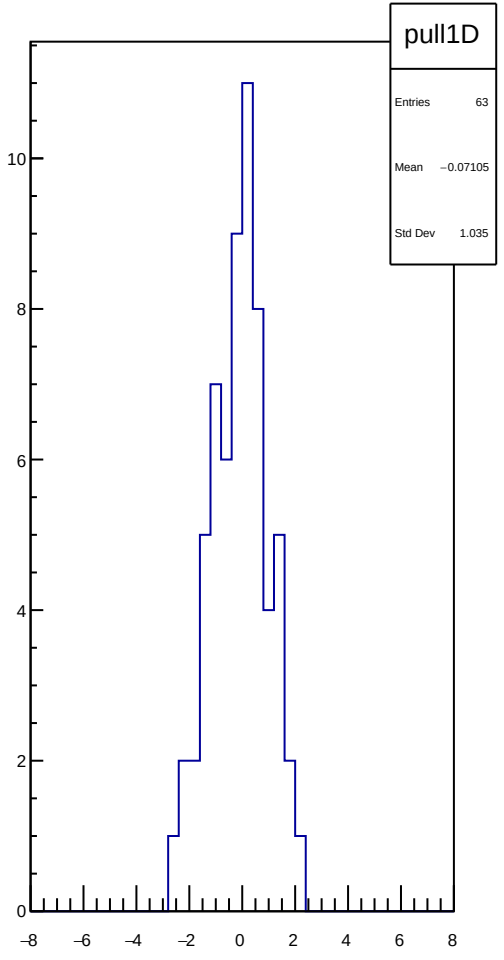

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.2 / 62
p0 −0.07734 ± 0.3059
pull
Entries 63
Mean 447.6
Std Dev 0
pull1D
Entries 63
Mean −0.003305
Std Dev 0.9102

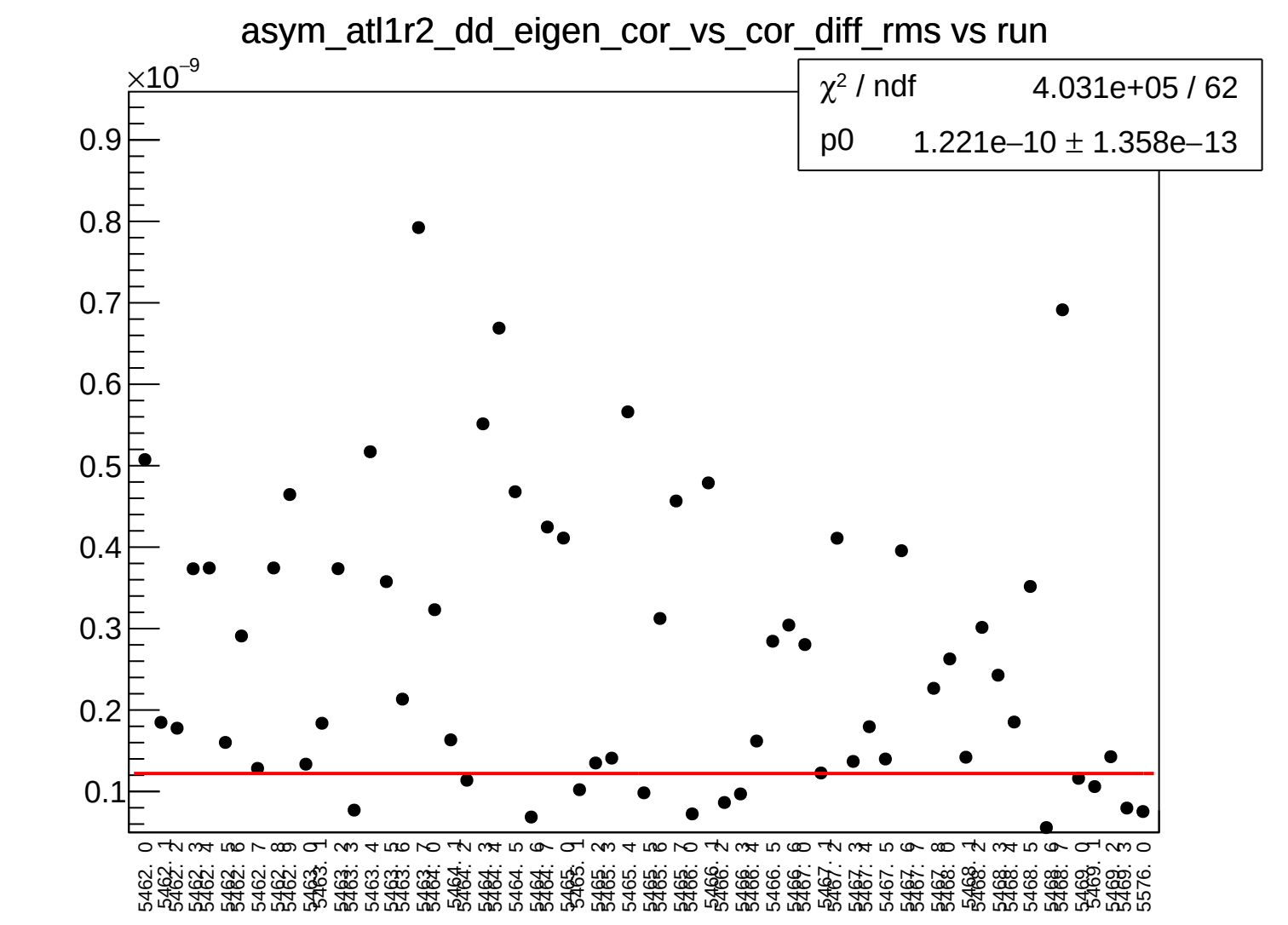

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.039e+04 / 62
p0 233 ± 0.2163
2500
2000
1500
1000
500


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.2 / 62
p0 −0.07734 ± 0.3059
pull
Entries 63
Mean 447.6
Std Dev 0
pull1D
Entries 63
Mean −0.003305
Std Dev 0.9102


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.039e+04 / 62
p0 233 ± 0.2163
2500
2000
1500
1000
500


asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.75 / 62
p0 3.88e−15 ± 1.921e−13
pull
Entries 63
Mean 17.07
Std Dev 39.25


pull1D
Entries 63
Mean −0.07105
Std Dev 1.035


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.031e+05 / 62
p0 1.221e−10 ± 1.358e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
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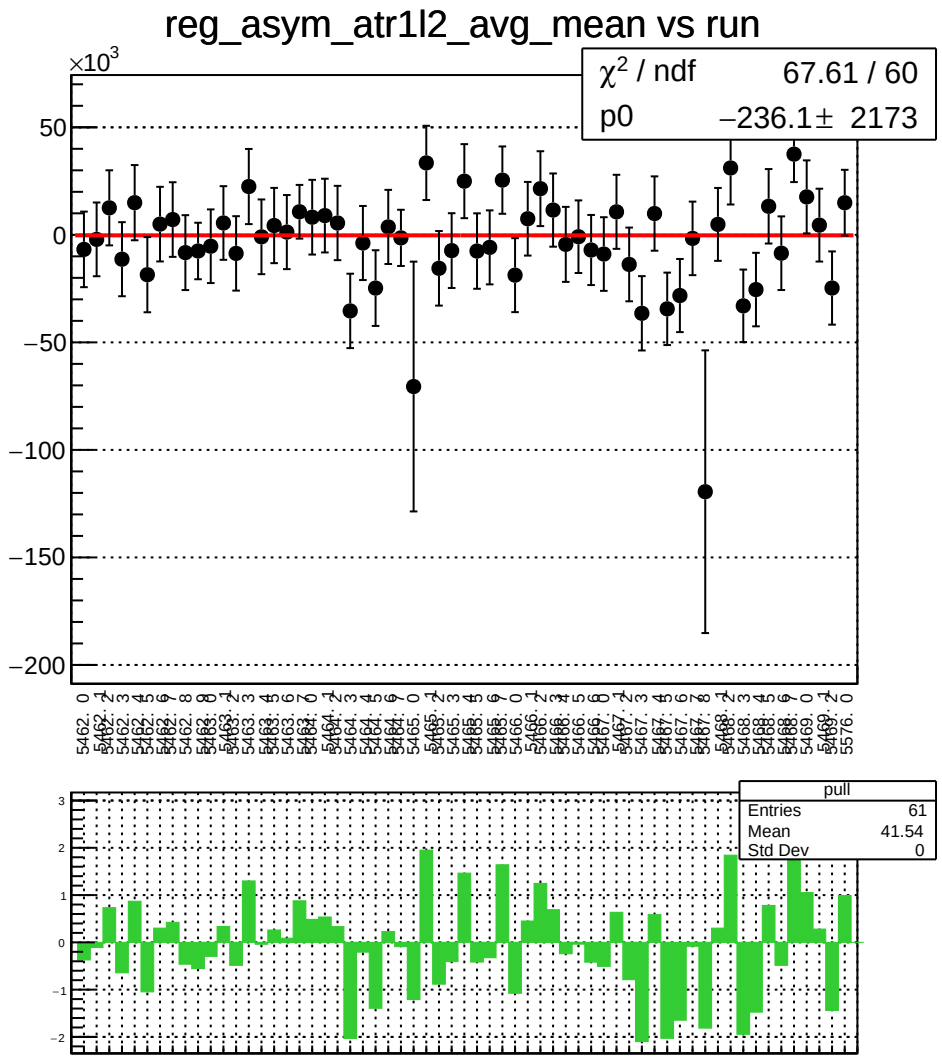
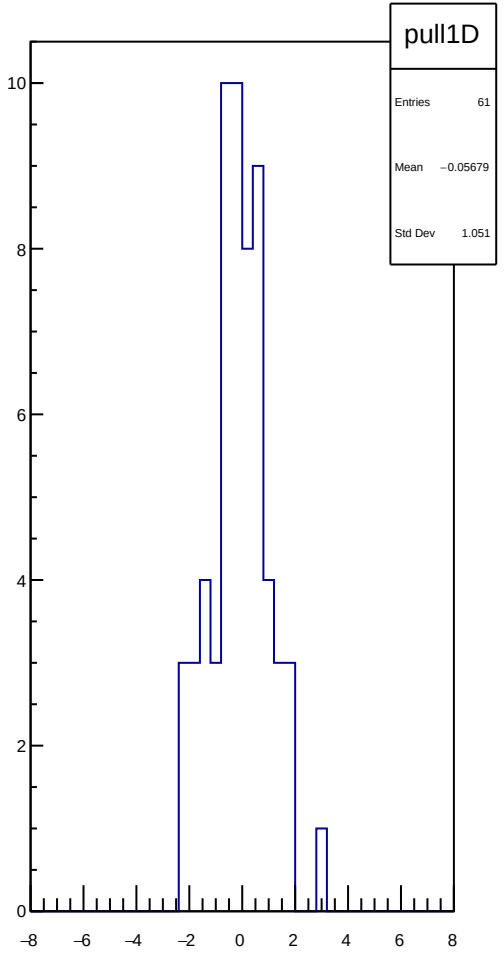
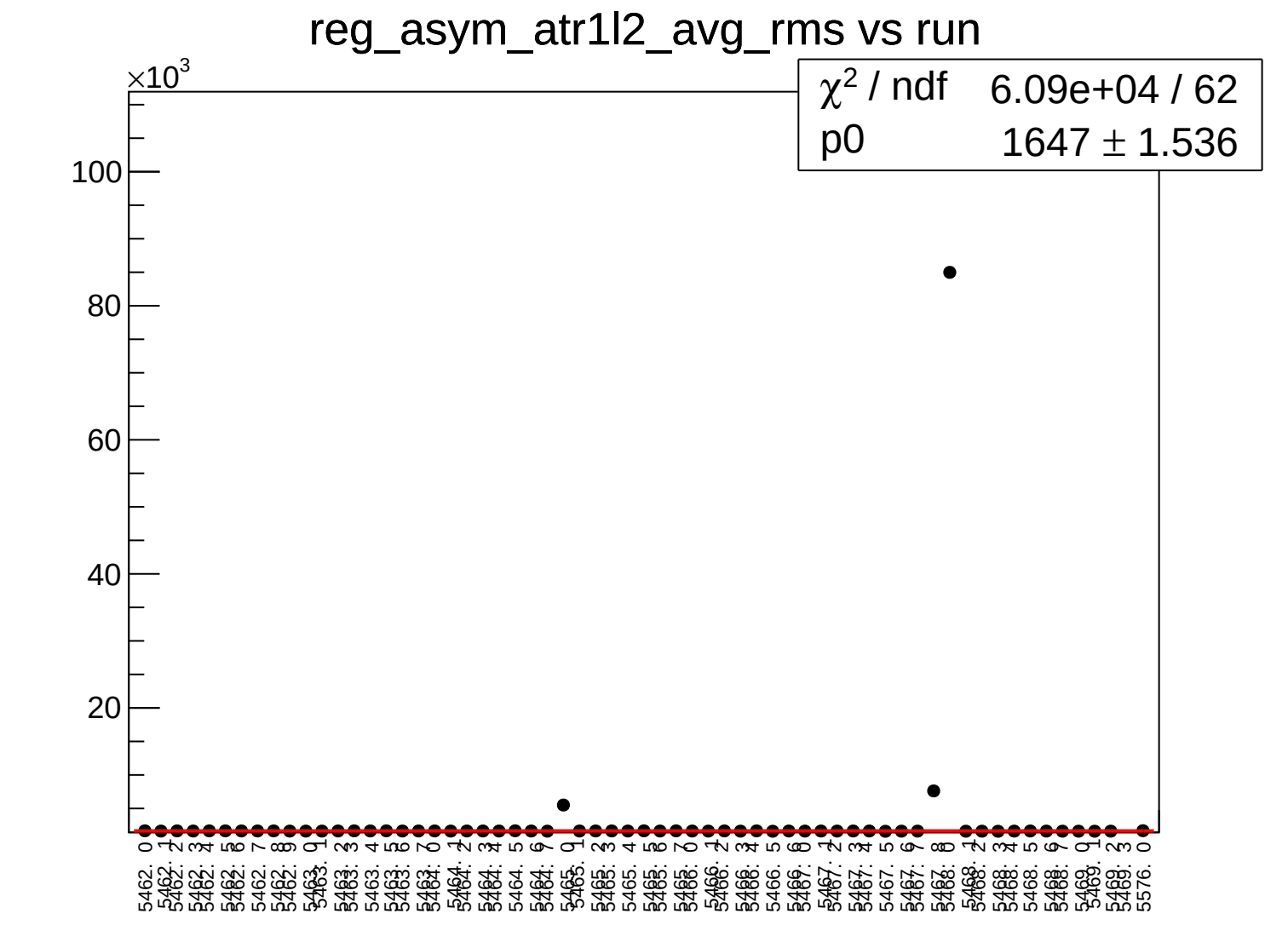
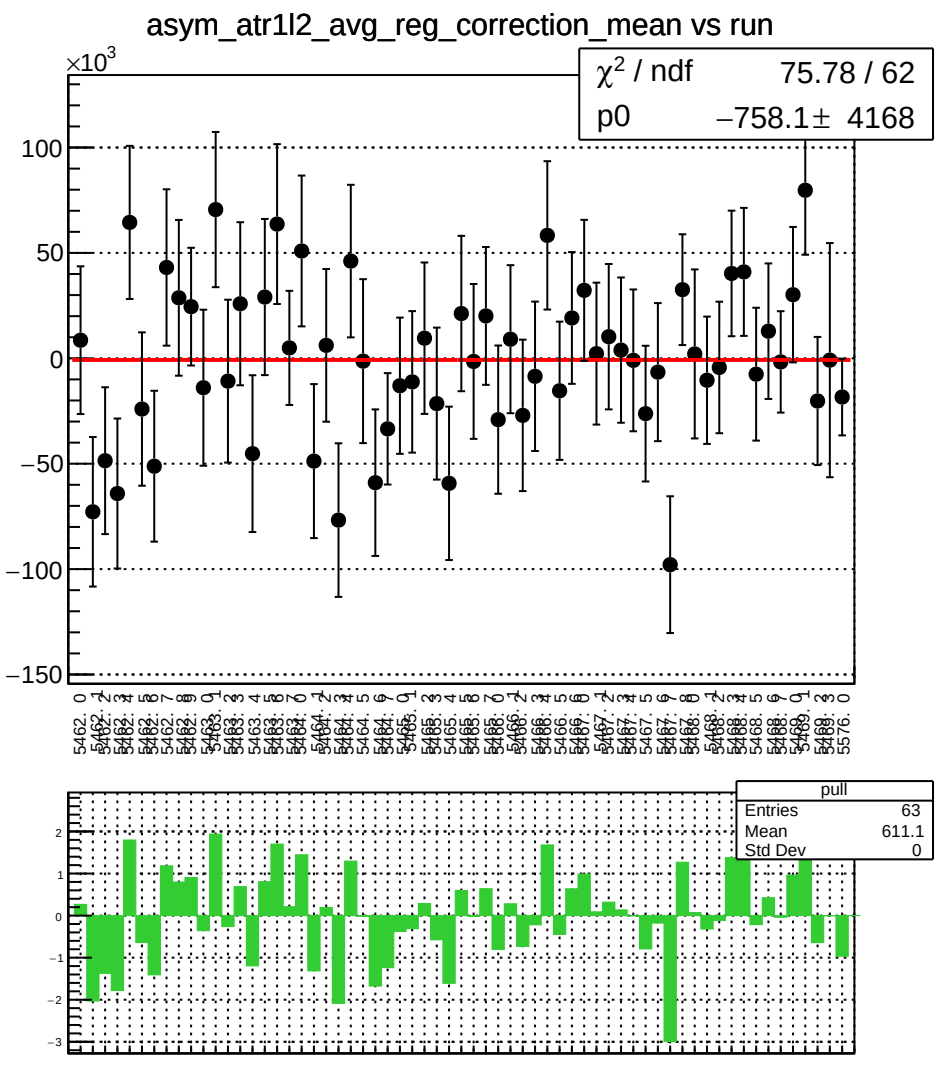
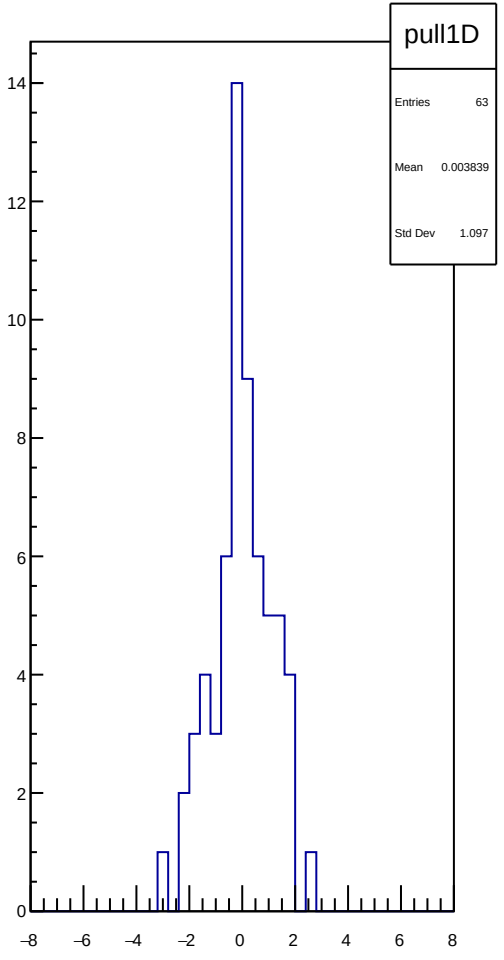
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

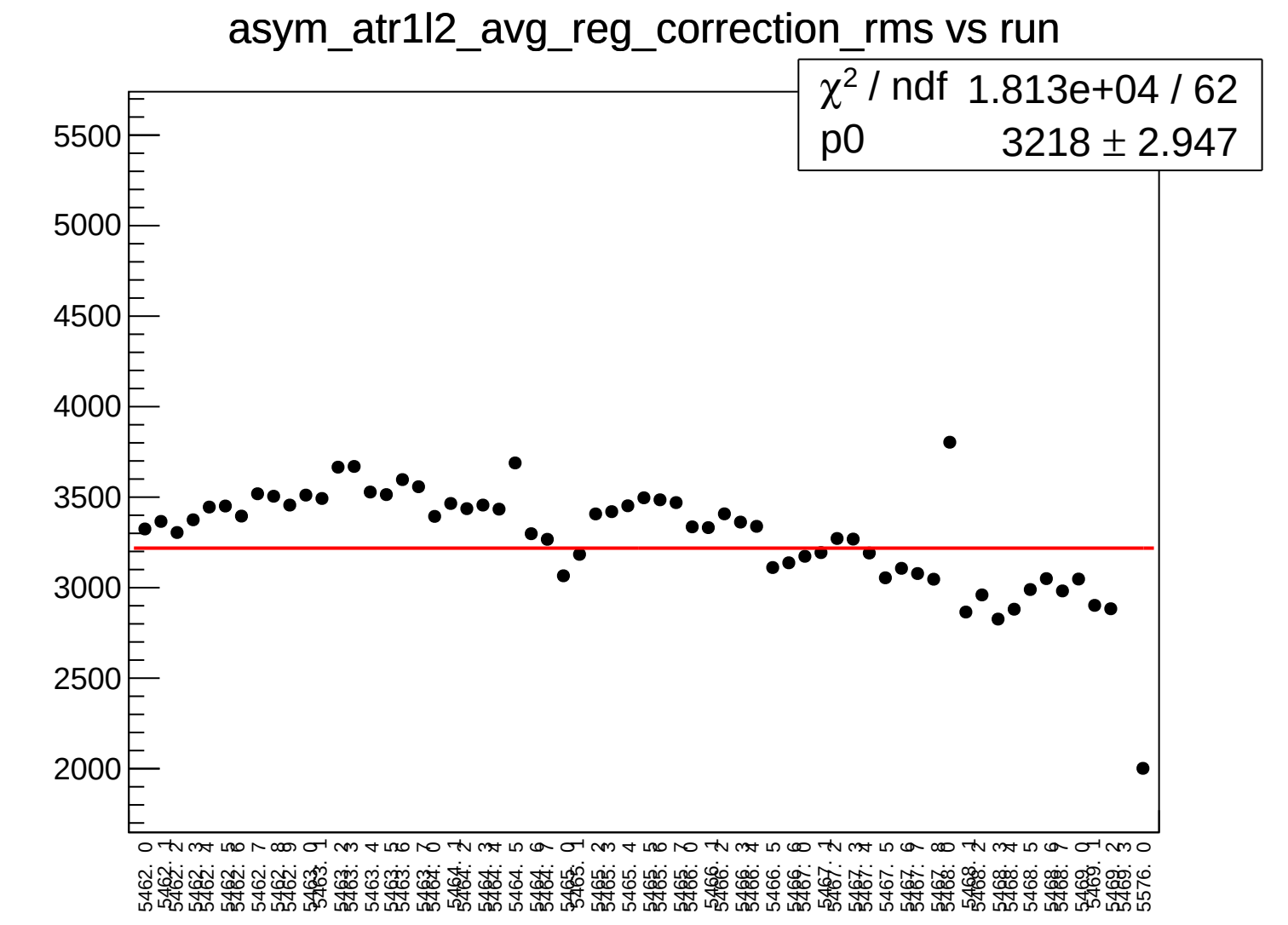

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 67.61 / 60
p0 −236.1± 2173
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 41.54
Std Dev 0
3
2
1
0
−1
−2

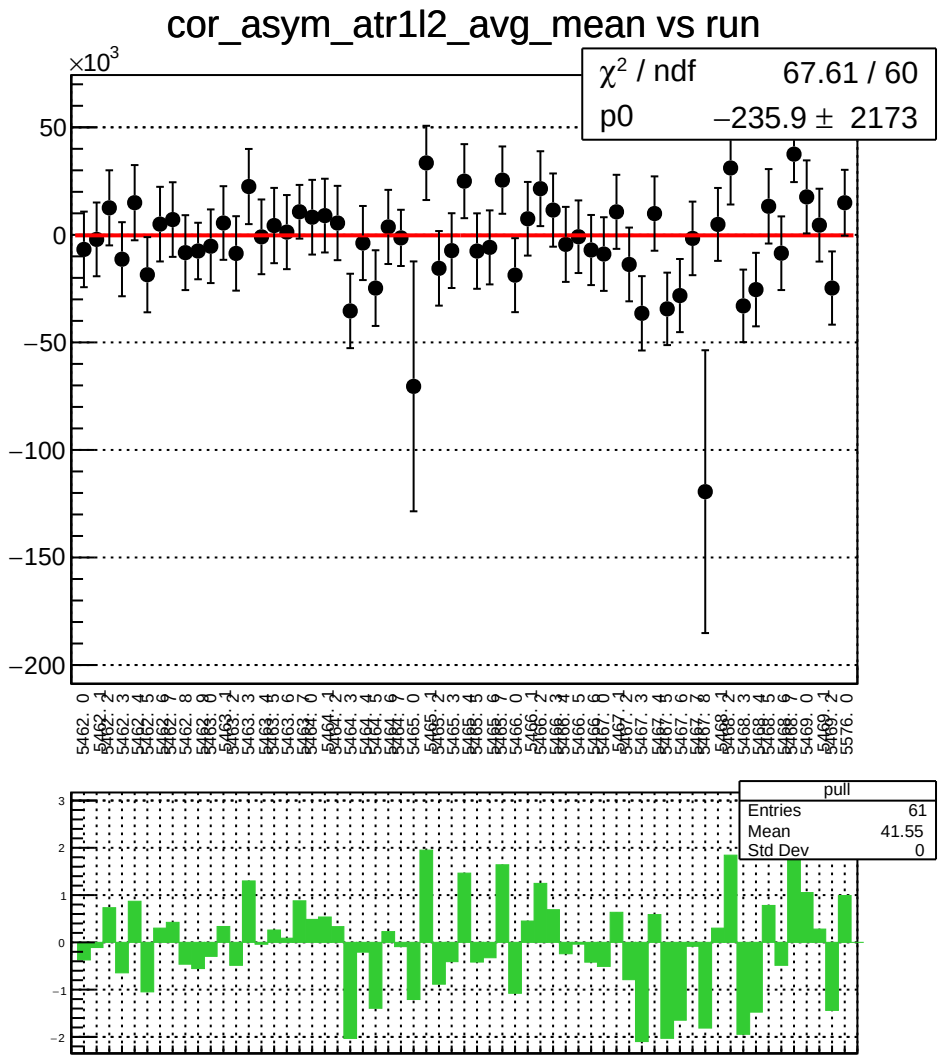

pull1D
Entries 61
Mean −0.05679
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

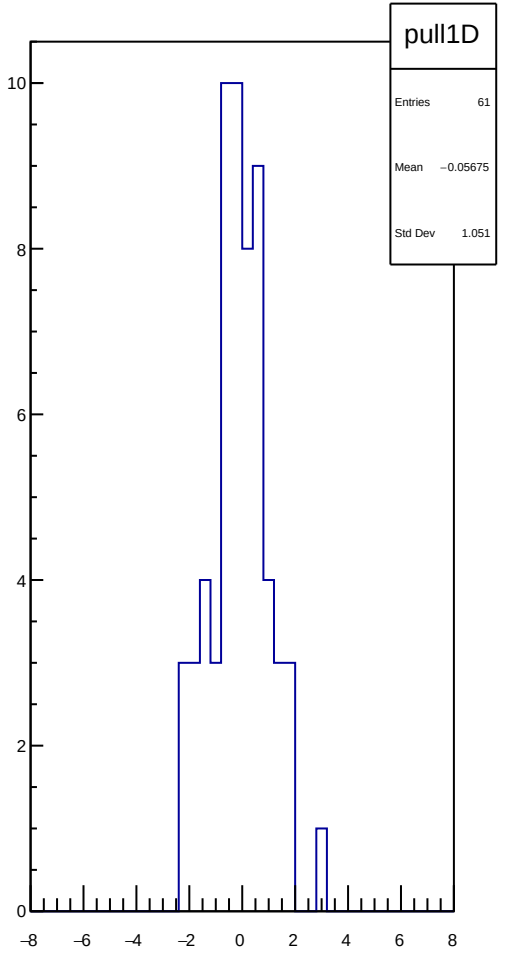

reg_asym_atr1l2_avg_rms vs run
×10^3
χ² / ndf 6.09e+04 / 62
p0 1647 ± 1.536
100
80
60
40
20

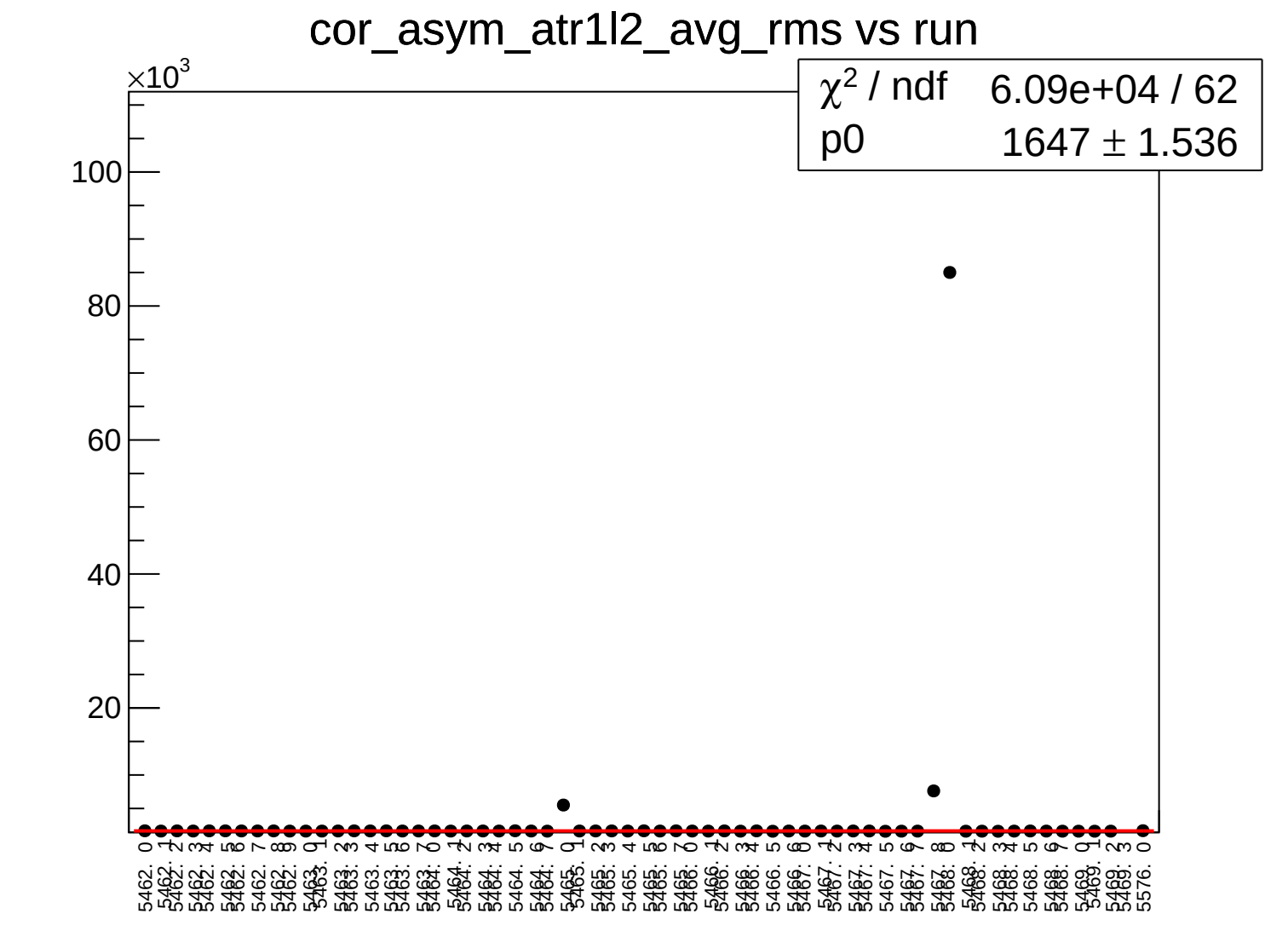

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 75.78 / 62
p0 −758.1± 4168
100
50
0
−50
−100
−150
pull
Entries 63
Mean 611.1
Std Dev 0
2
1
0
−1
−2
−3

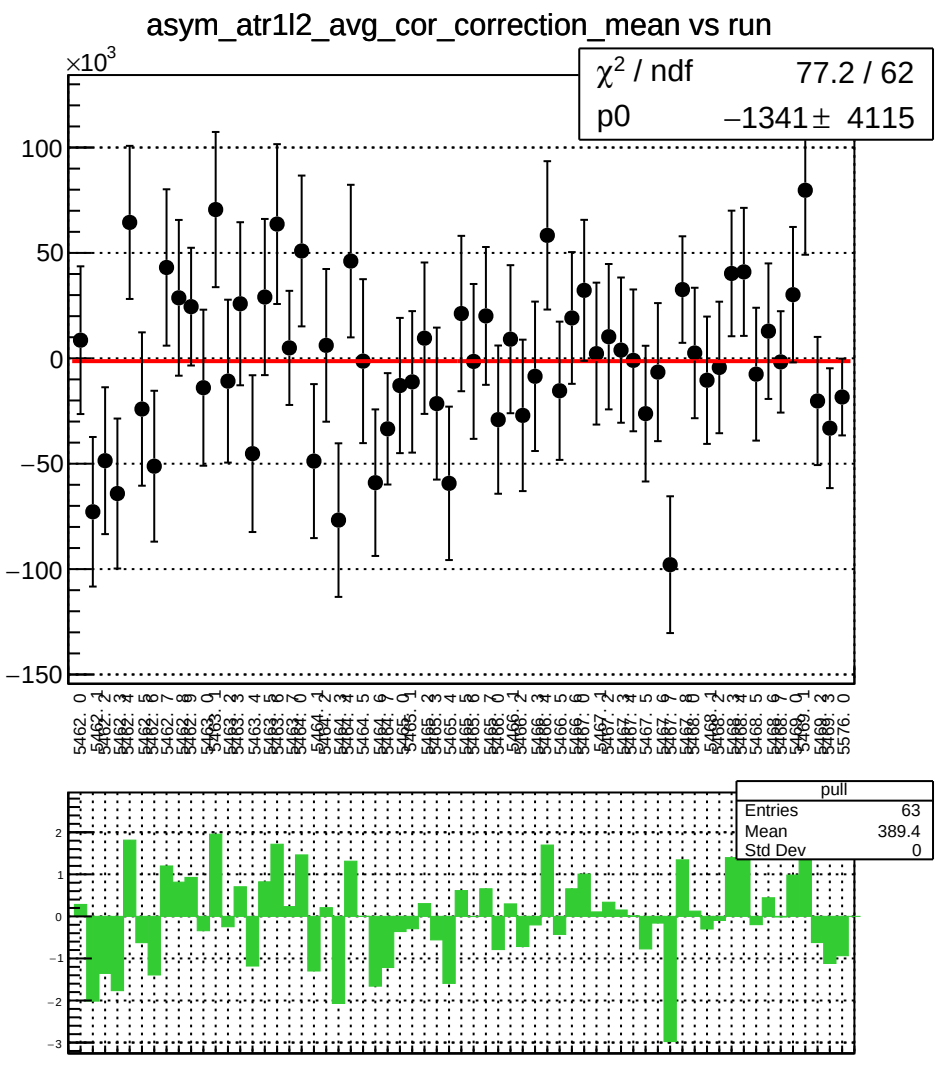

pull1D
Entries 63
Mean 0.003839
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

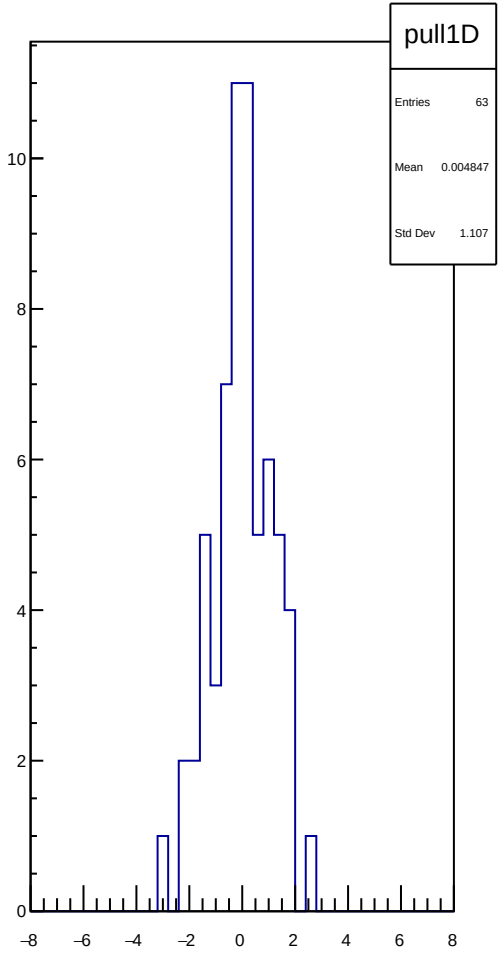

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1.813e+04 / 62
p0 3218 ± 2.947
5500
5000
4500
4000
3500
3000
2500
2000

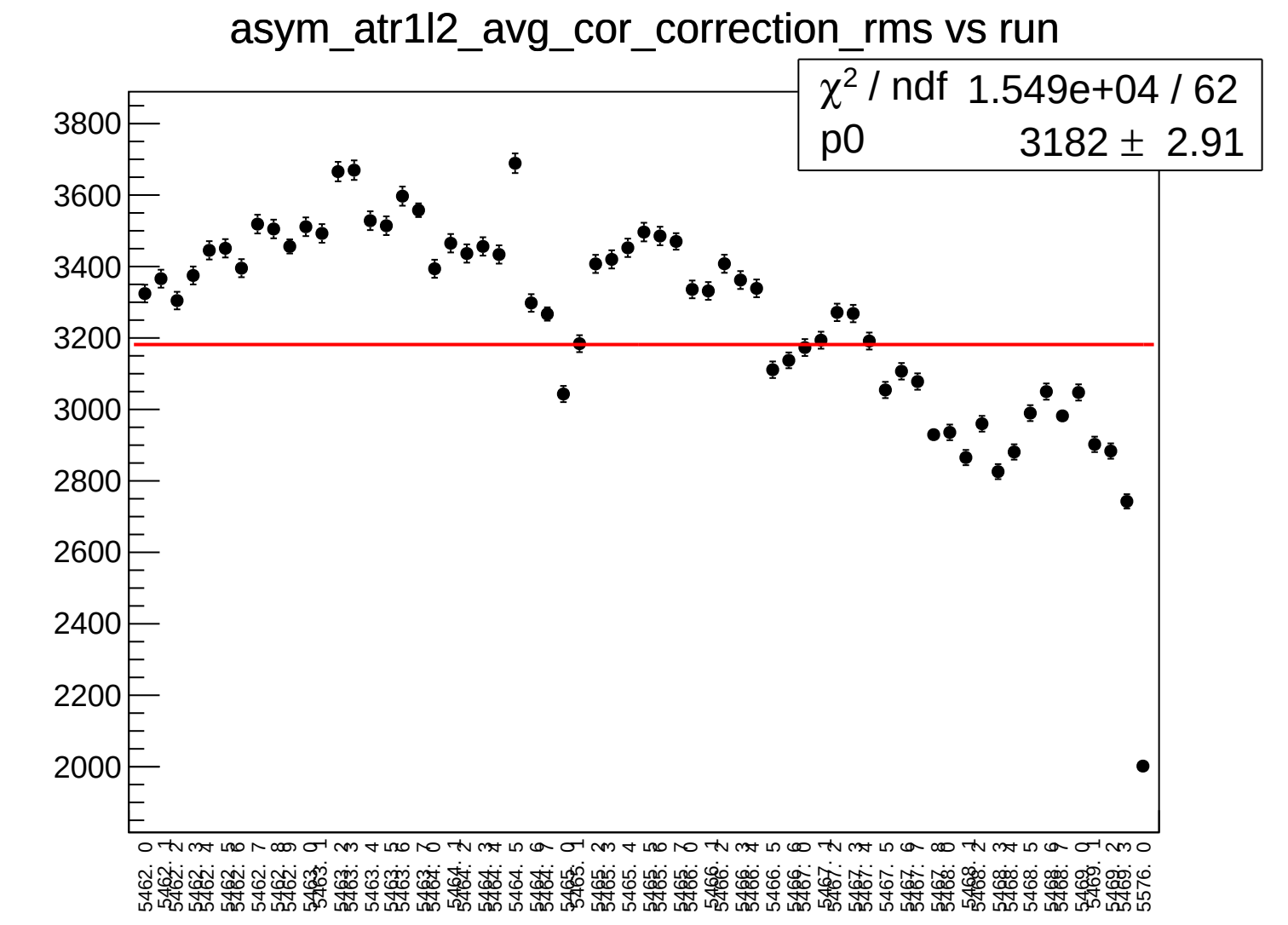

cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 67.61 / 60
p0 −235.9 ± 2173
pull
Entries 61
Mean 41.55
Std Dev 0

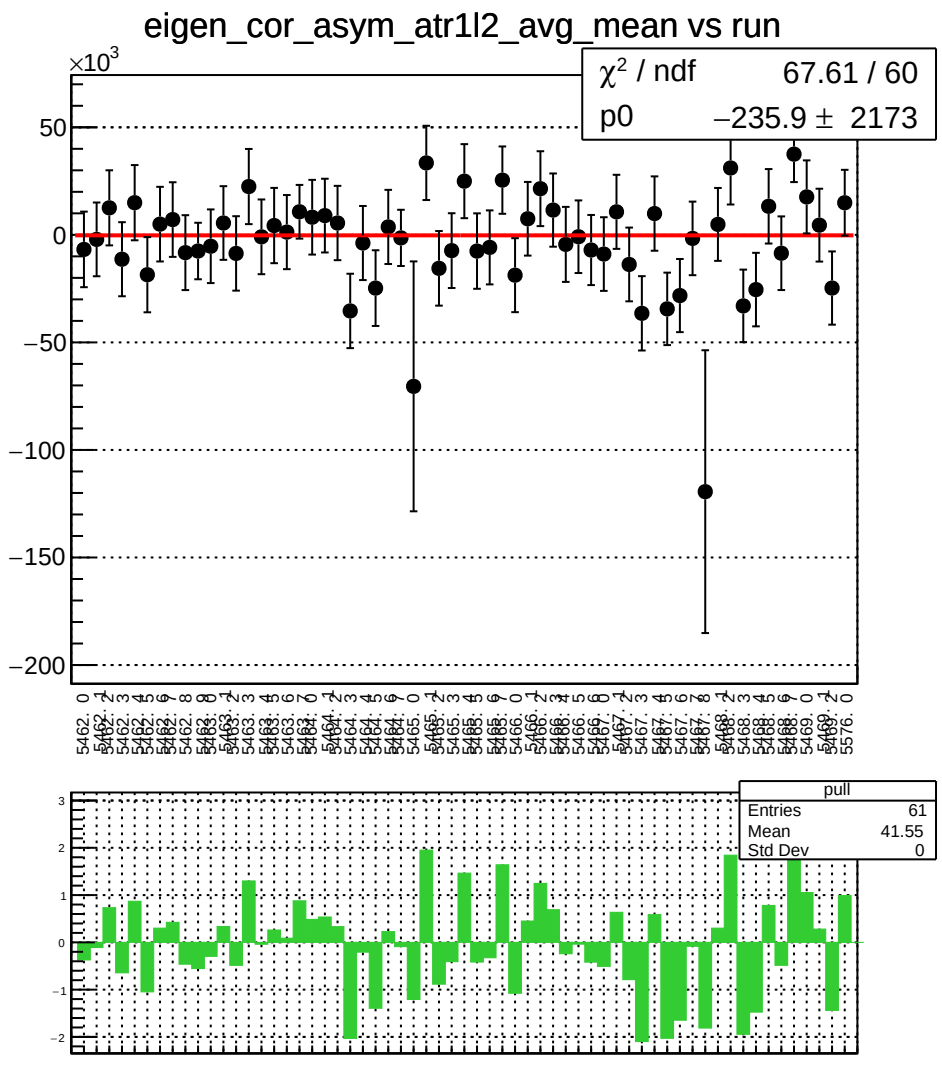

pull1D
Entries 61
Mean −0.05675
Std Dev 1.051

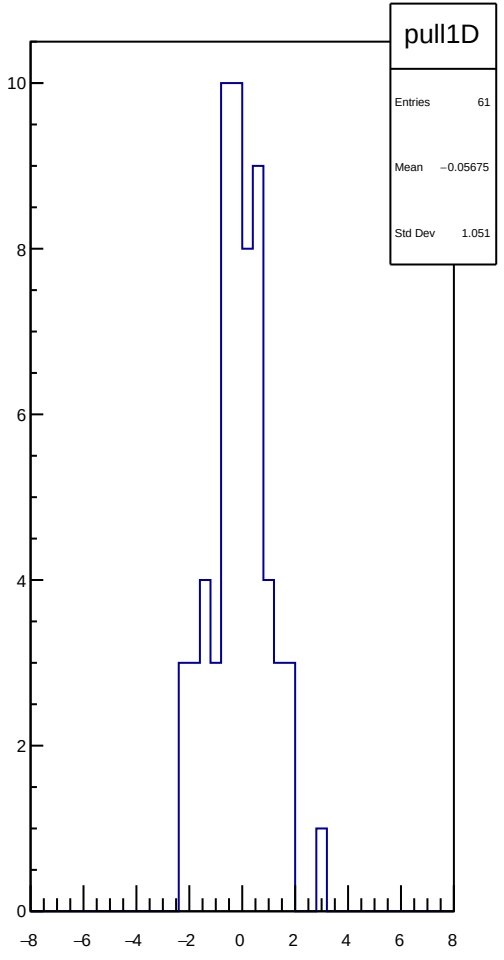

cor_asym_atr1l2_avg_rms vs run
×10^3
χ^2 / ndf 6.09e+04 / 62
p0 1647 ± 1.536
100
80
60
40
20

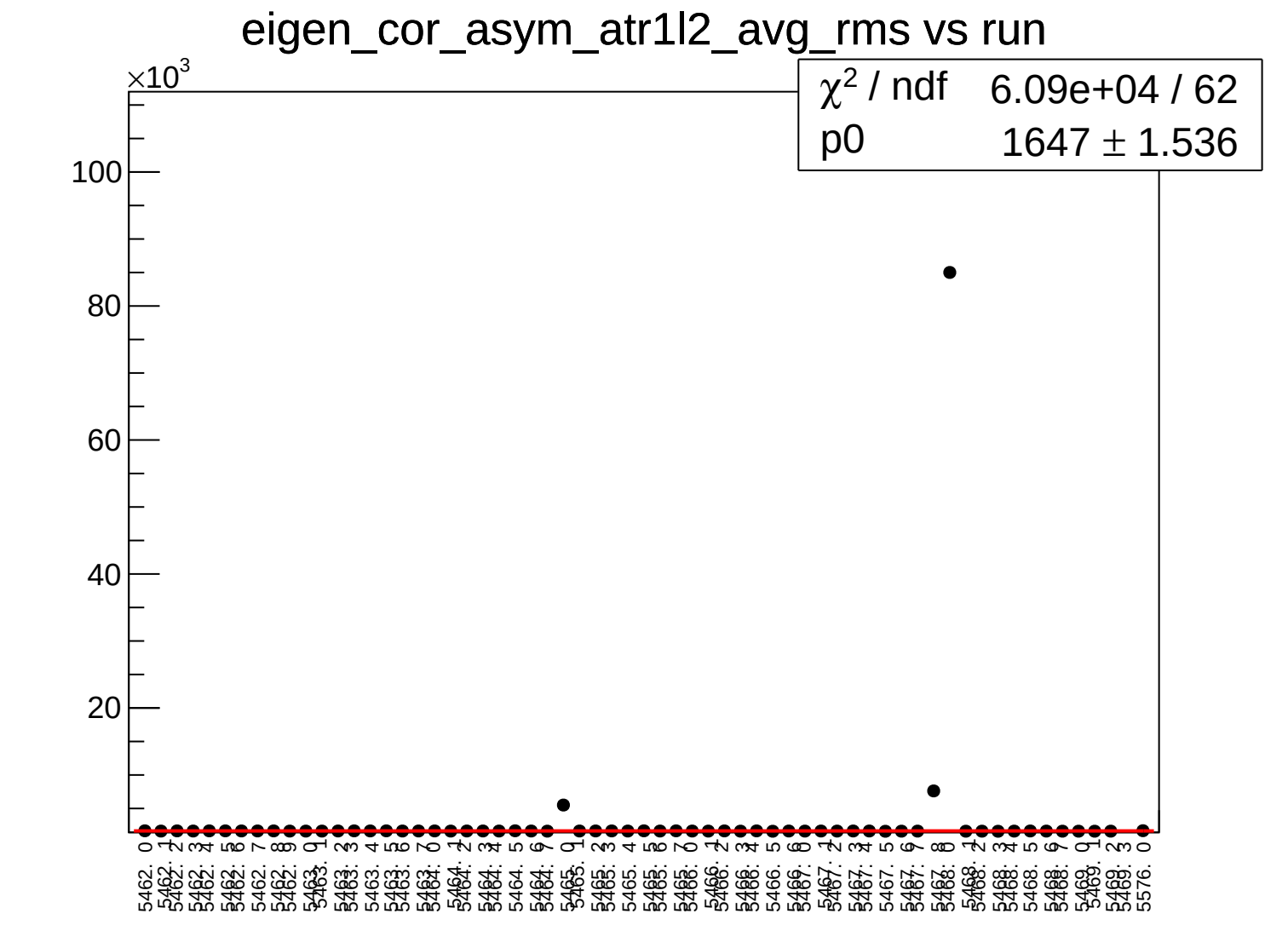

asym_atr1l2_avg_cor_correction_mean vs run
χ² / ndf 77.2 / 62
p0 −1341 ± 4115
×10³
pull
Entries 63
Mean 389.4
Std Dev 0

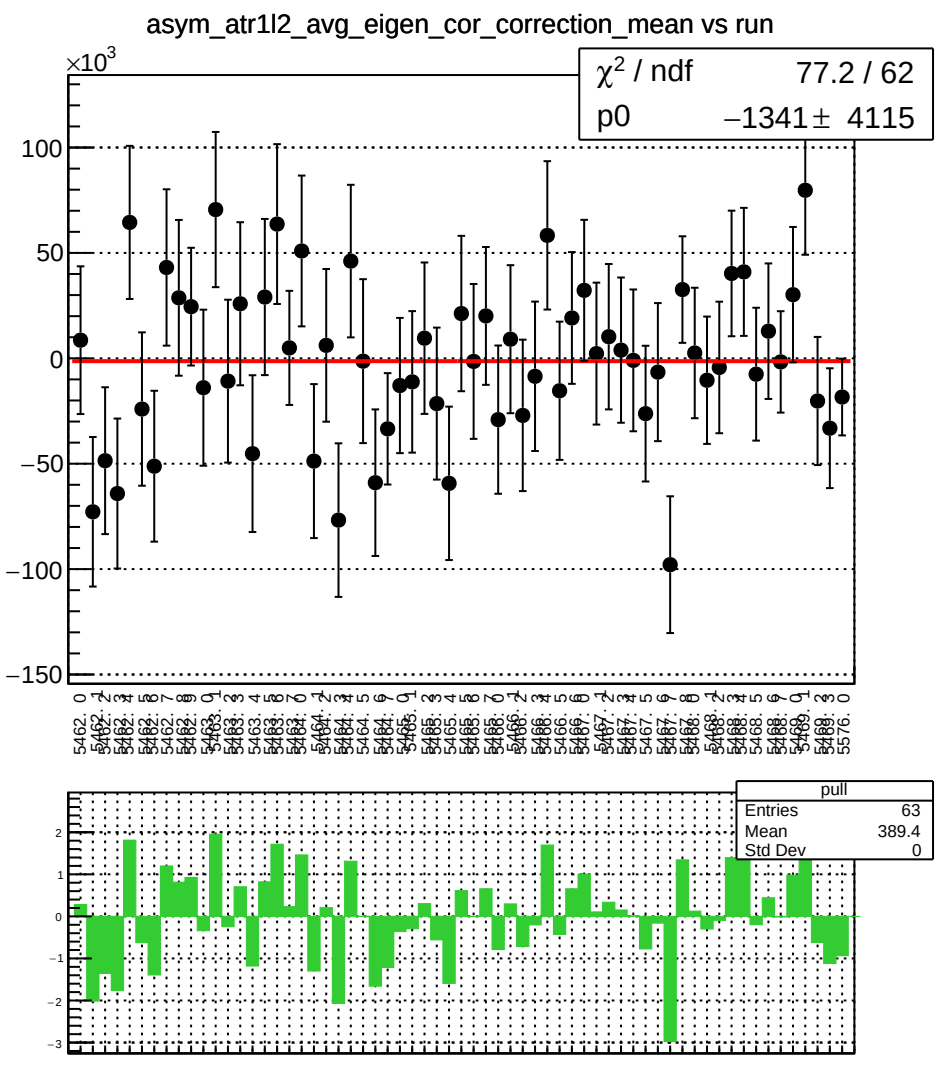

pull1D
Entries 63
Mean 0.004847
Std Dev 1.107

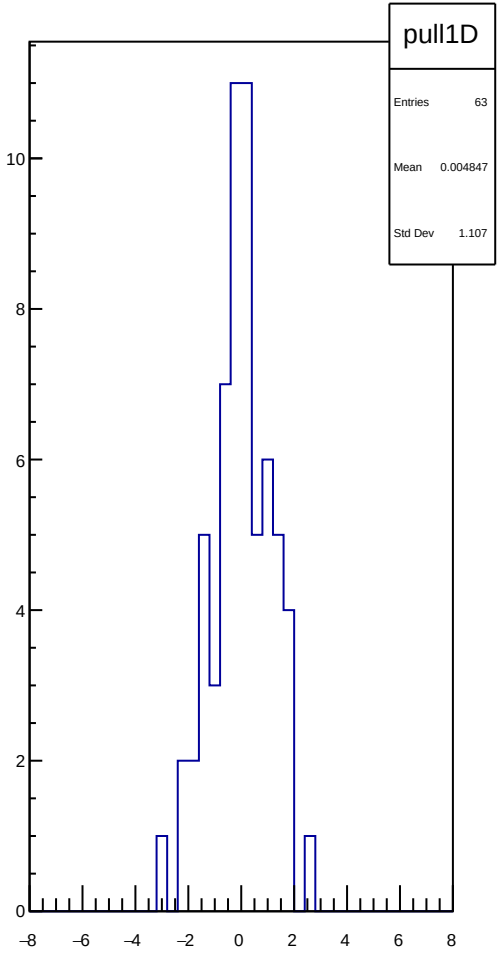

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1.549e+04 / 62
p0 3182 ± 2.91
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

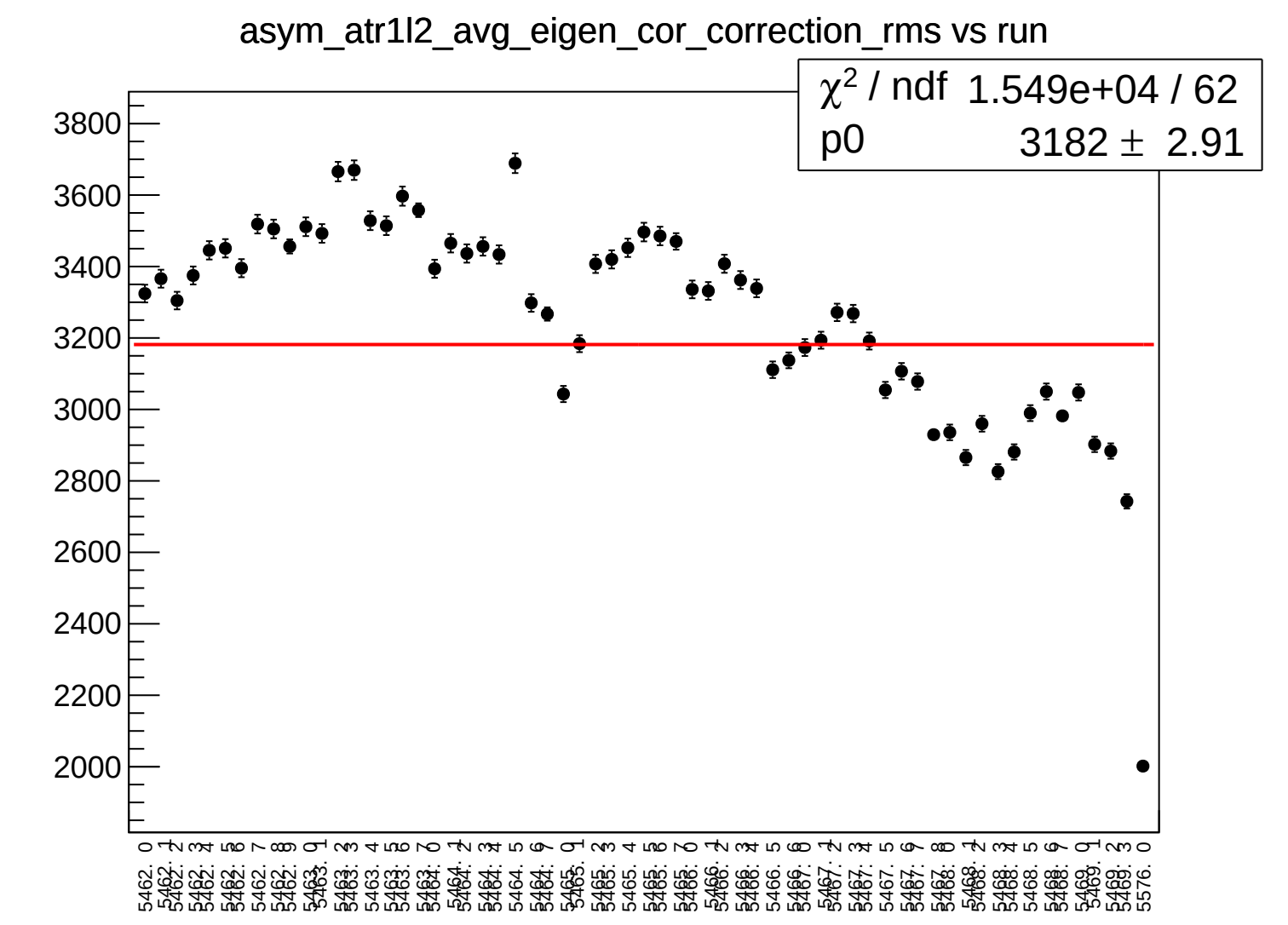

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 67.61 / 60
p0 −235.9 ± 2173
pull
Entries 61
Mean 41.55
Std Dev 0

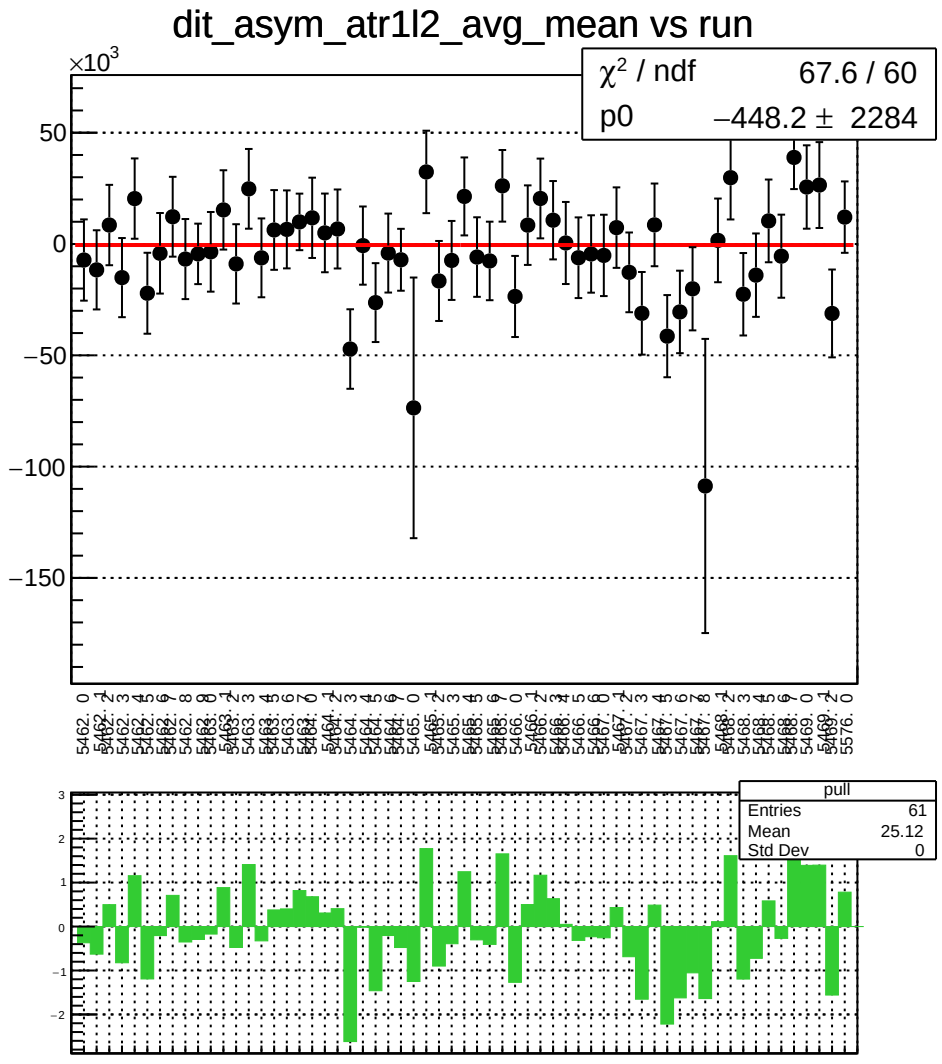

pull1D
Entries 61
Mean −0.05675
Std Dev 1.051

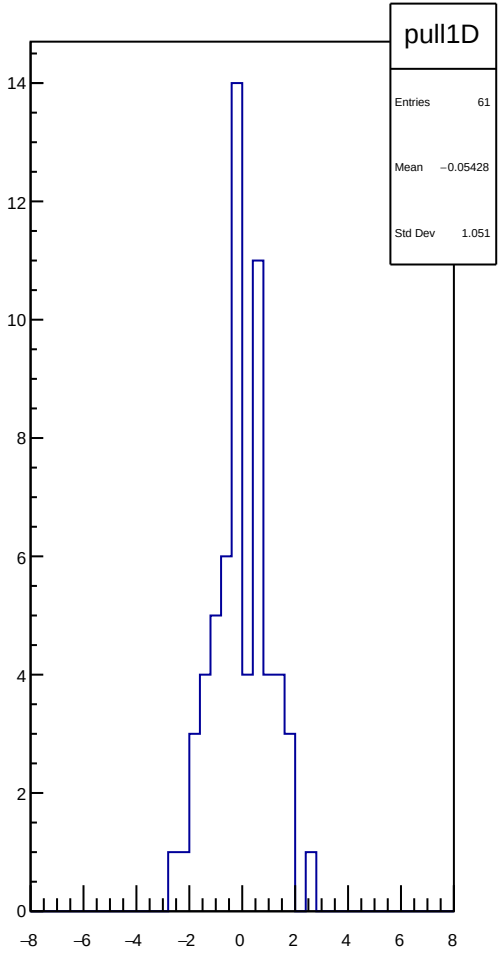

eigen_cor_asym_atr1l2_avg_rms vs run
×10^3
χ^2 / ndf 6.09e+04 / 62
p0 1647 ± 1.536
100
80
60
40
20

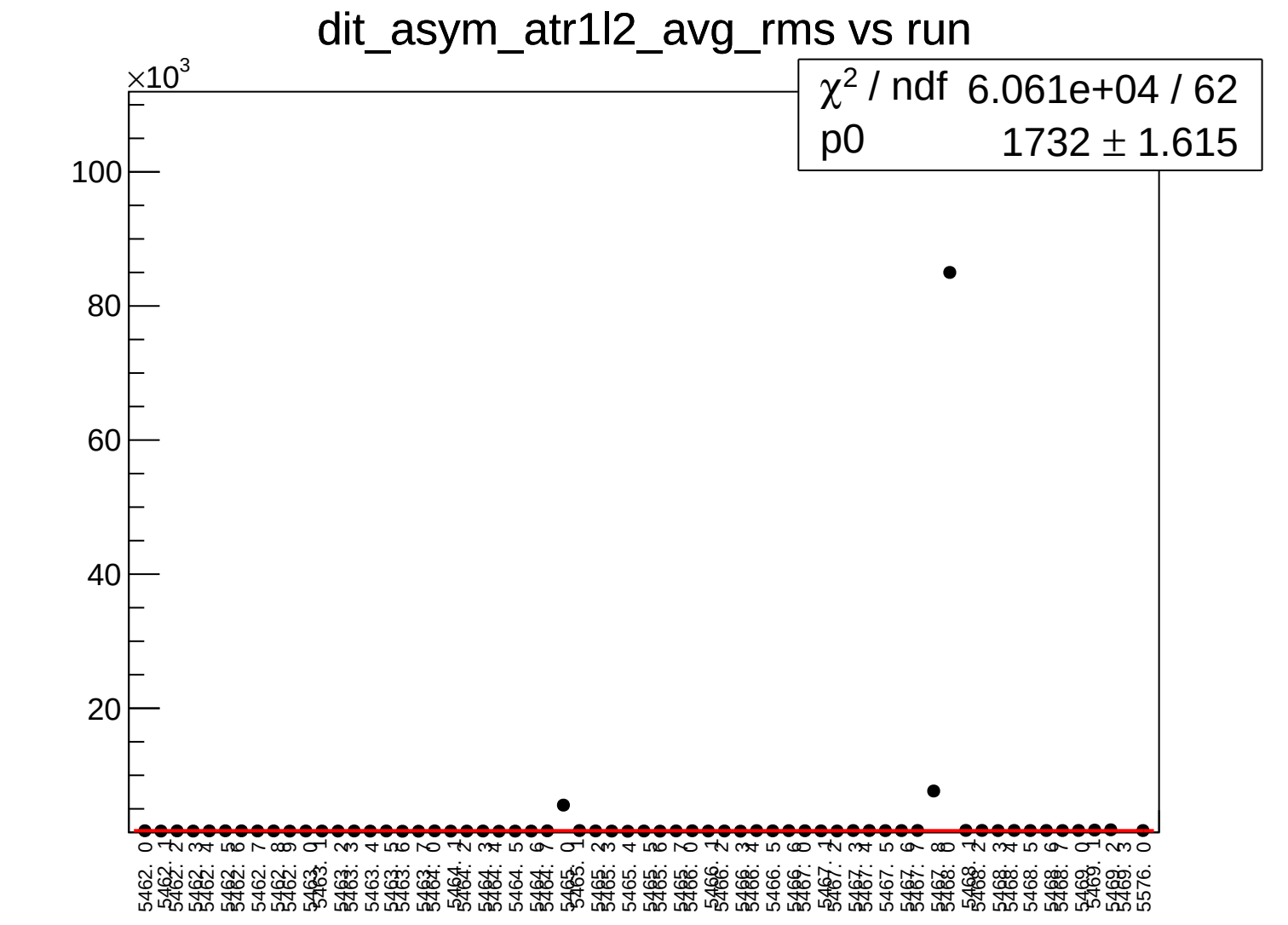

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 77.2 / 62
p0 −1341 ± 4115
100
50
0
−50
−100
−150
pull
Entries 63
Mean 389.4
Std Dev 0
2
1
0
−1
−2
−3

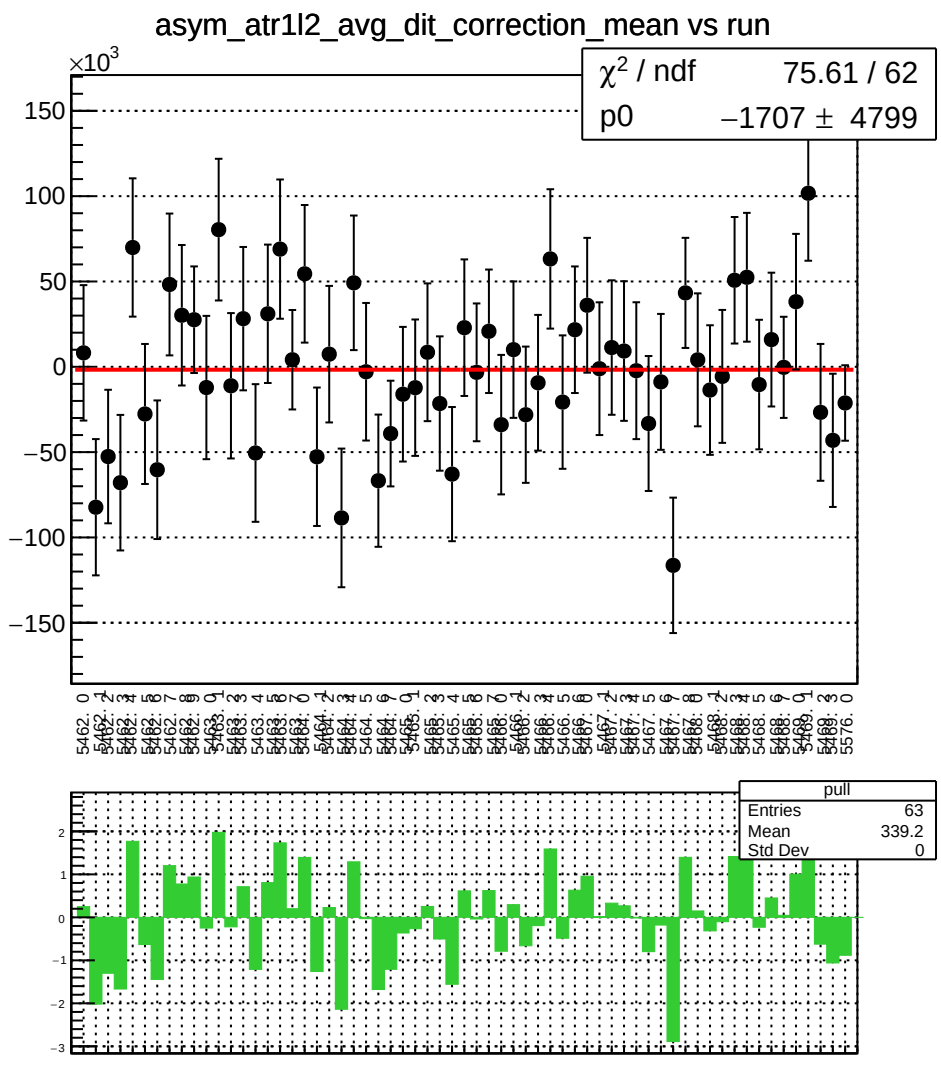

pull1D
Entries 63
Mean 0.004847
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

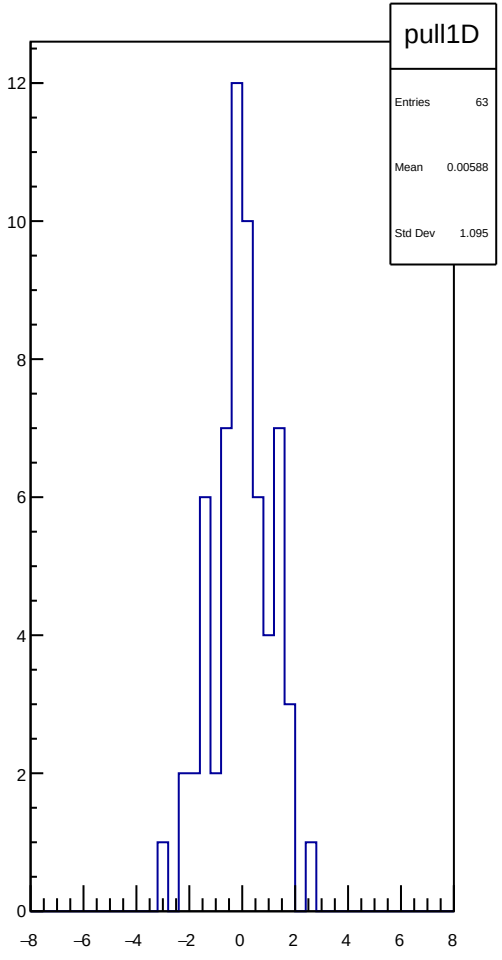

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.549e+04 / 62
p0 3182 ± 2.91
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

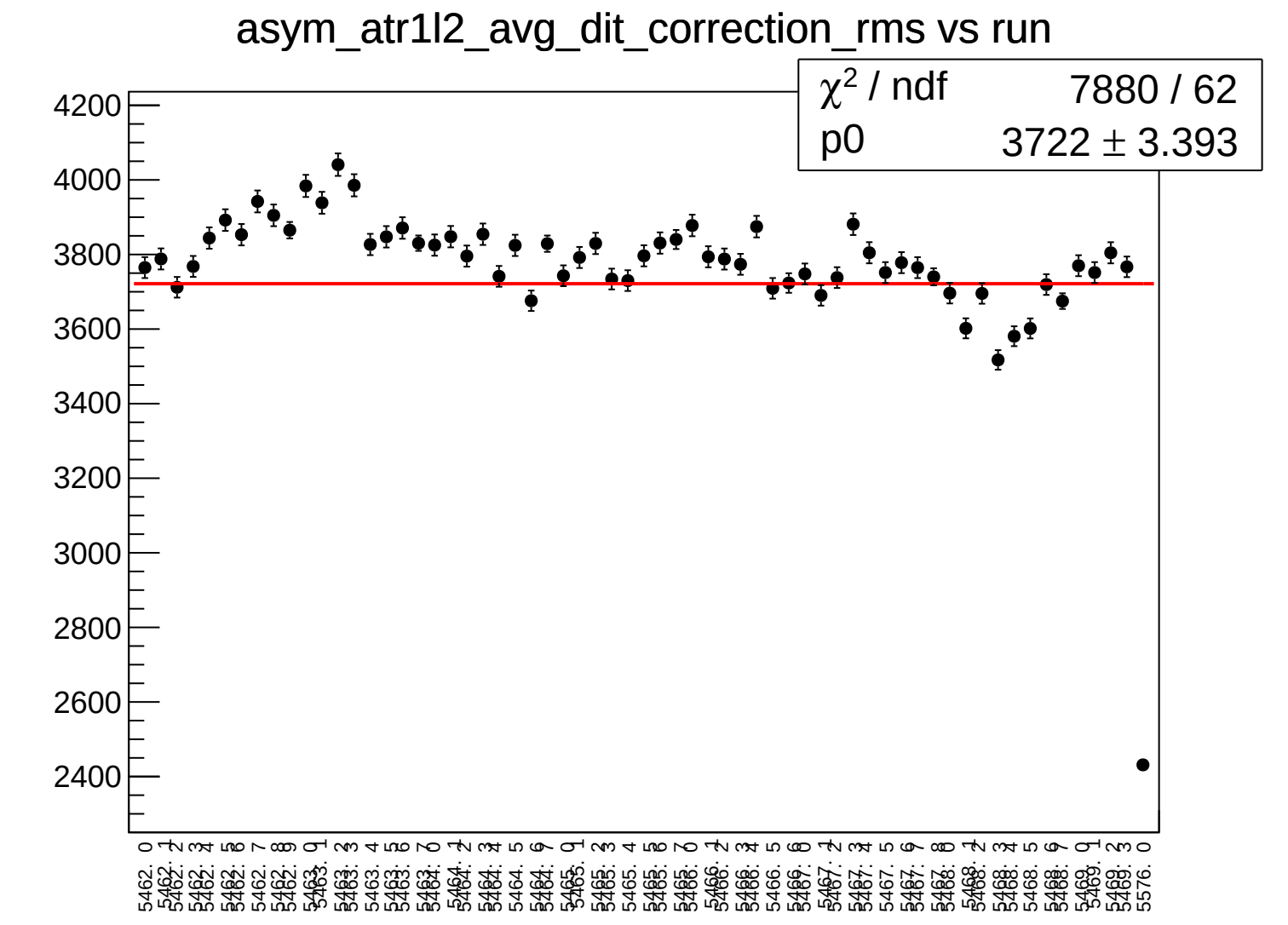

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 67.6 / 60
p0 −448.2 ± 2284
×10³
50
0
−50
−100
−150
pull
Entries 61
Mean 25.12
Std Dev 0
3
2
1
0
−1
−2

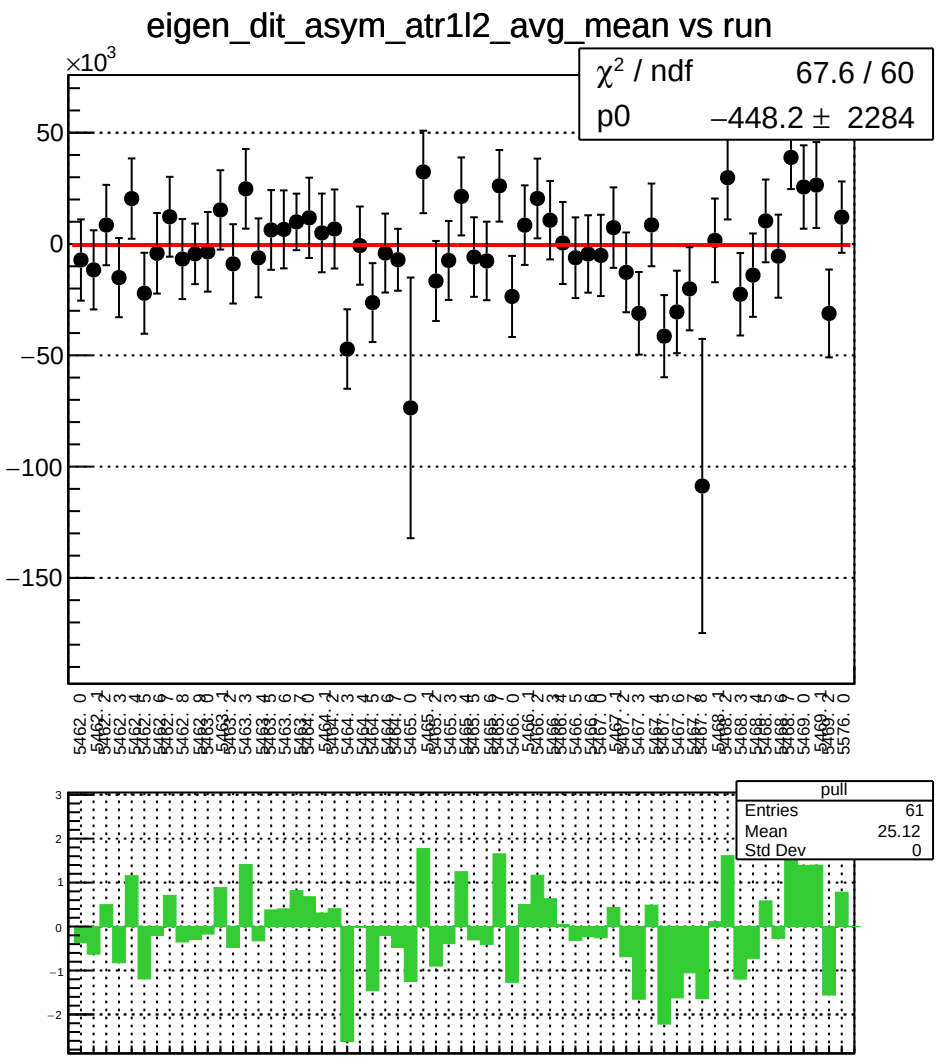

pull1D
Entries 61
Mean −0.05428
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

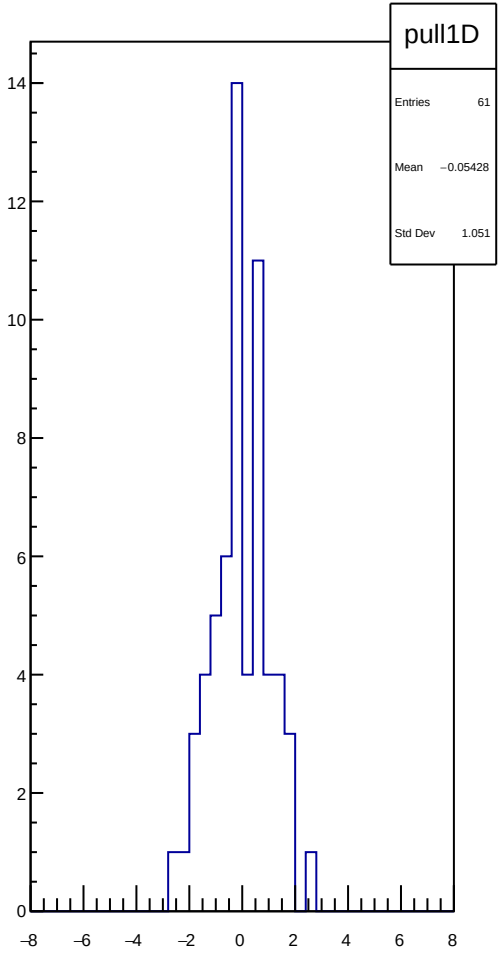

dit_asym_atr1l2_avg_rms vs run
×10^3
χ² / ndf 6.061e+04 / 62
p0 1732 ± 1.615
100
80
60
40
20

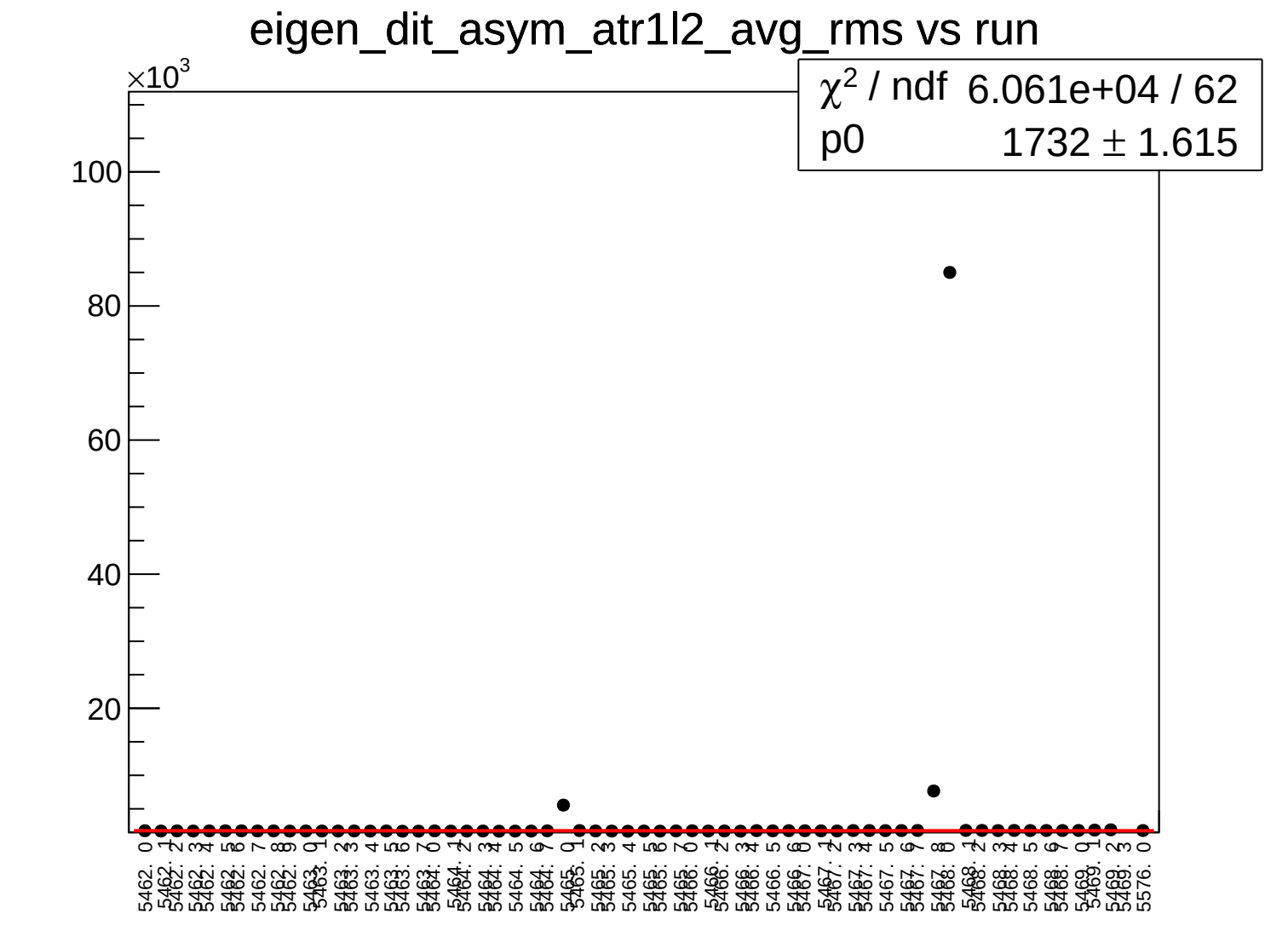

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 75.61 / 62
p0 −1707 ± 4799
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 339.2
Std Dev 0
2
1
0
−1
−2
−3

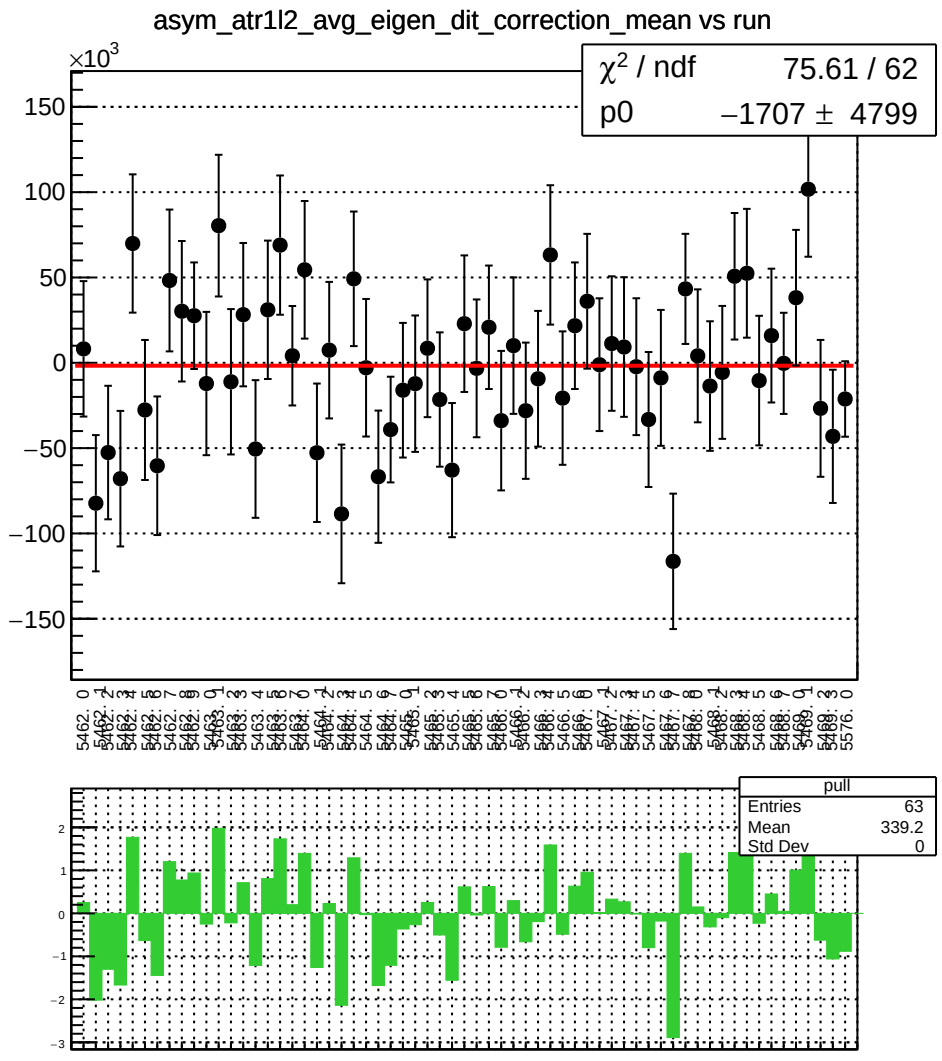

pull1D
Entries 63
Mean 0.00588
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

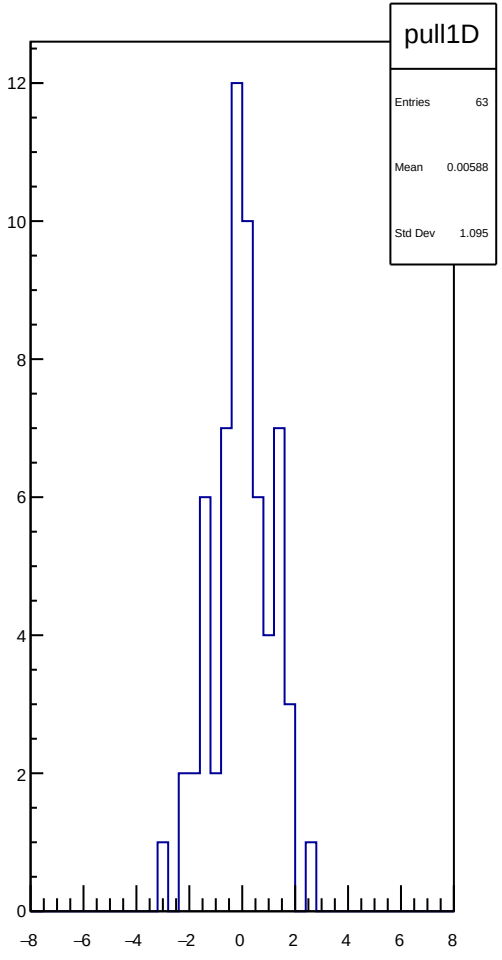

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 7880 / 62
p0 3722 ± 3.393
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

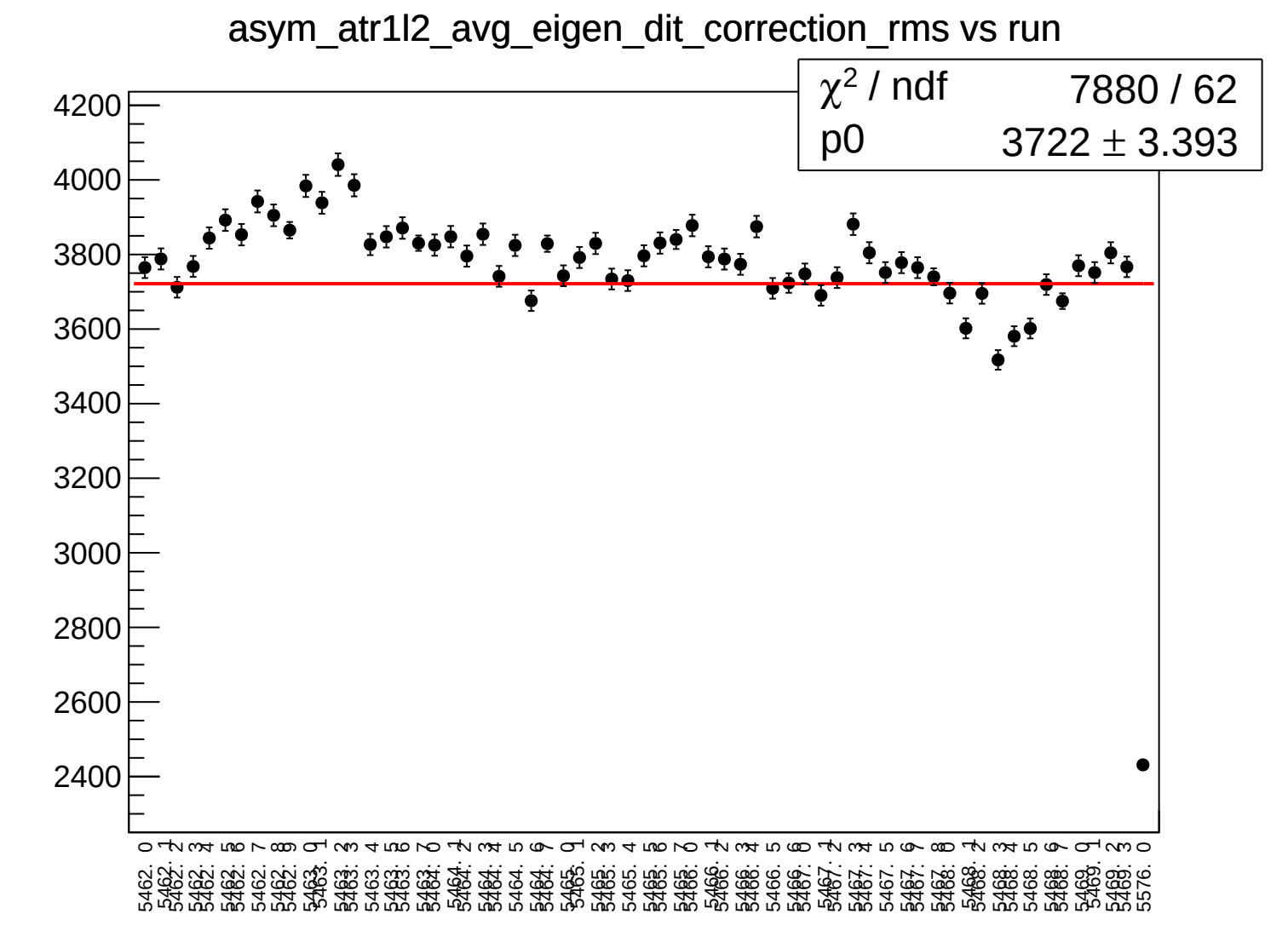

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 67.6 / 60
p0 −448.2 ± 2284
pull
Entries 61
Mean 25.12
Std Dev 0

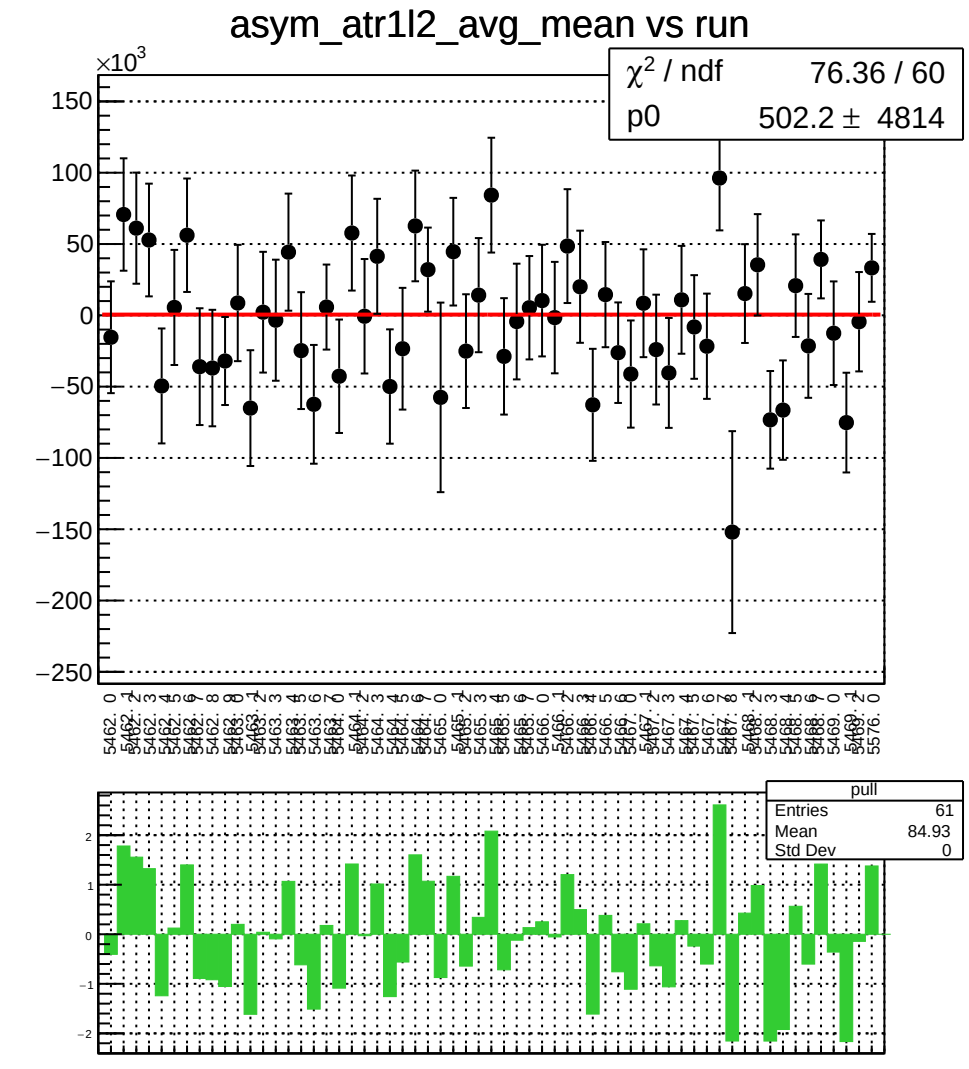

pull1D
Entries 61
Mean −0.05428
Std Dev 1.051

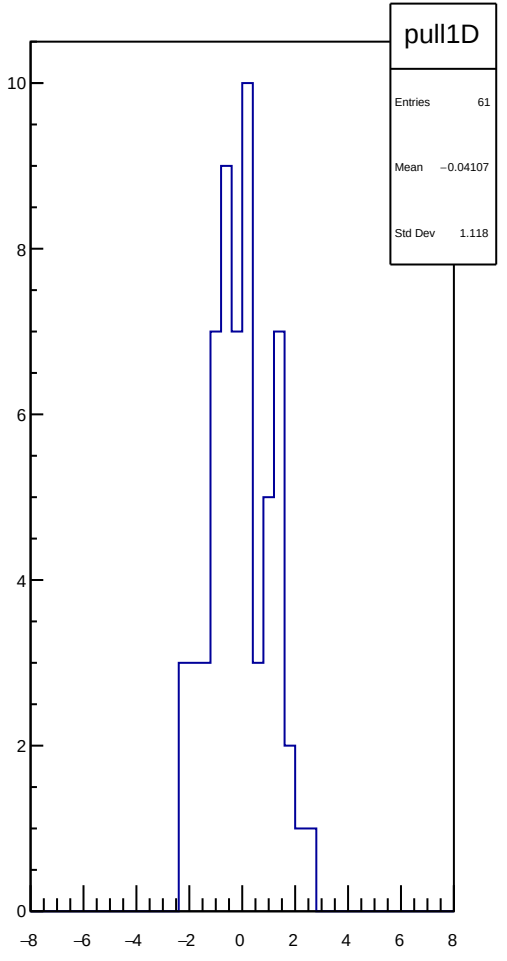

eigen_dit_asym_atr1l2_avg_rms vs run
×10^3
χ^2 / ndf 6.061e+04 / 62
p0 1732 ± 1.615
100
80
60
40
20

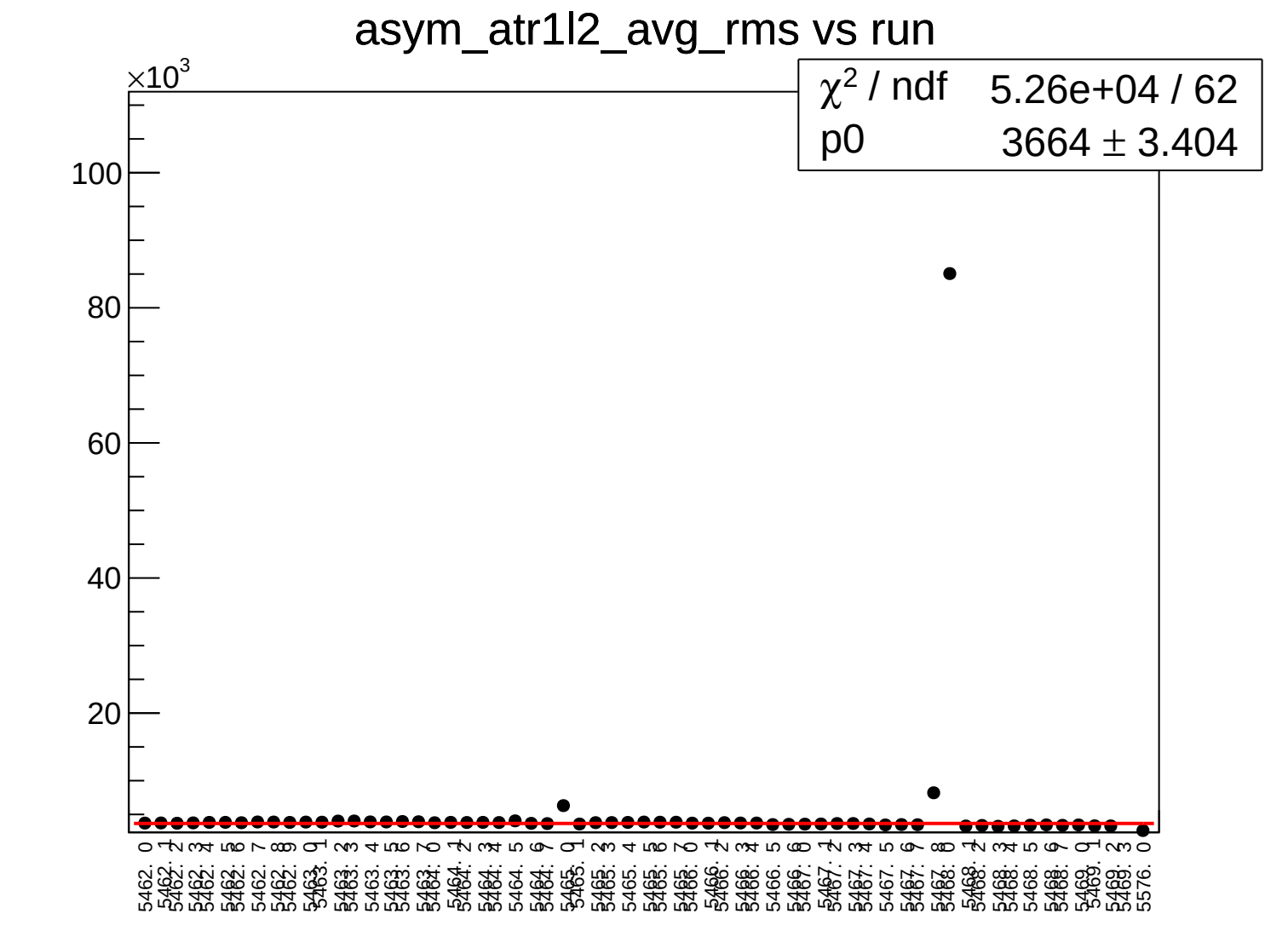

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 75.61 / 62
p0 −1707 ± 4799
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 339.2
Std Dev 0
2
1
0
−1
−2
−3

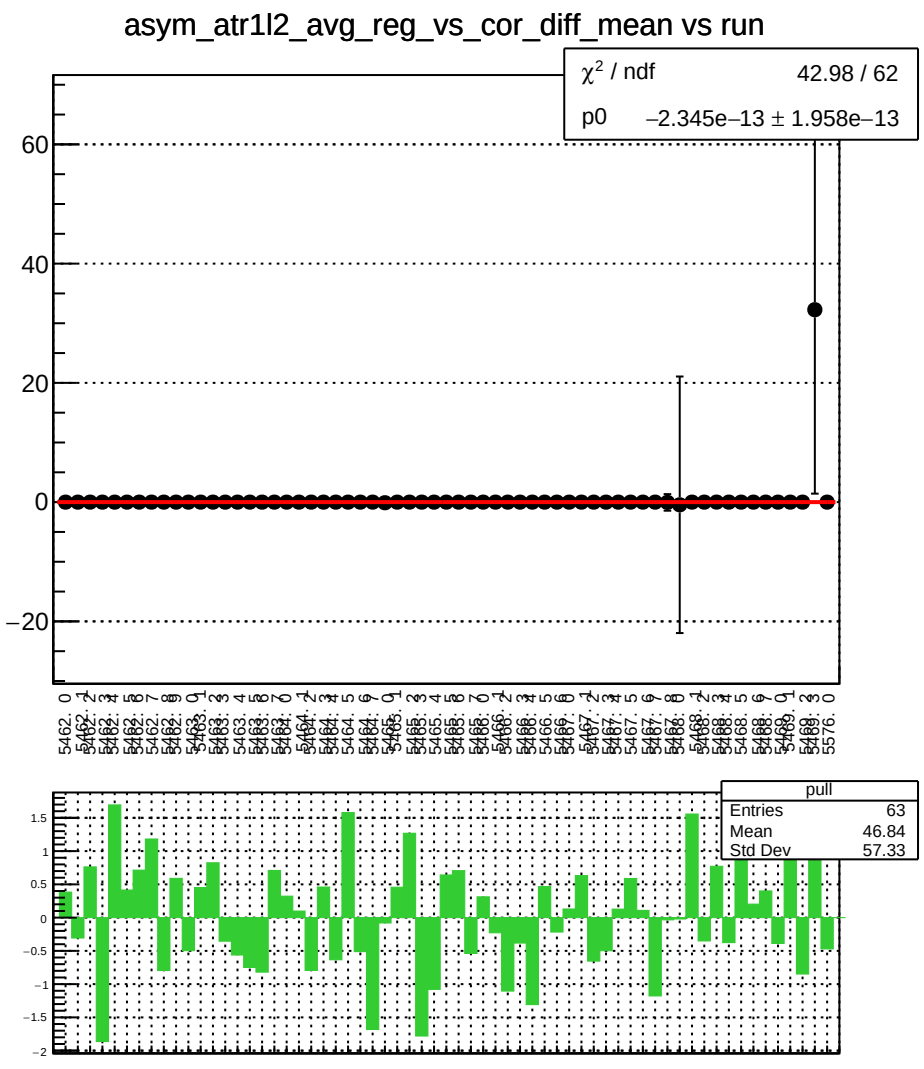

pull1D
Entries 63
Mean 0.00588
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

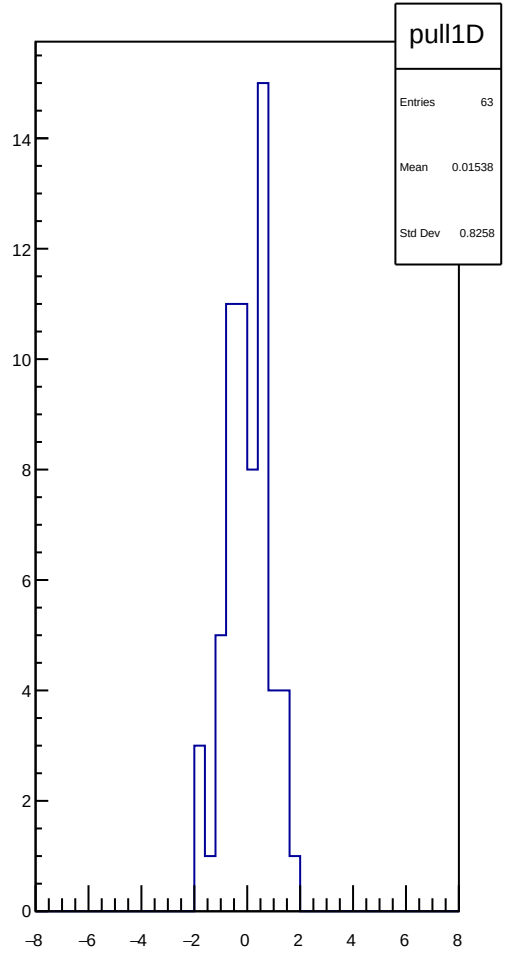

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7880 / 62
p0 3722 ± 3.393
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

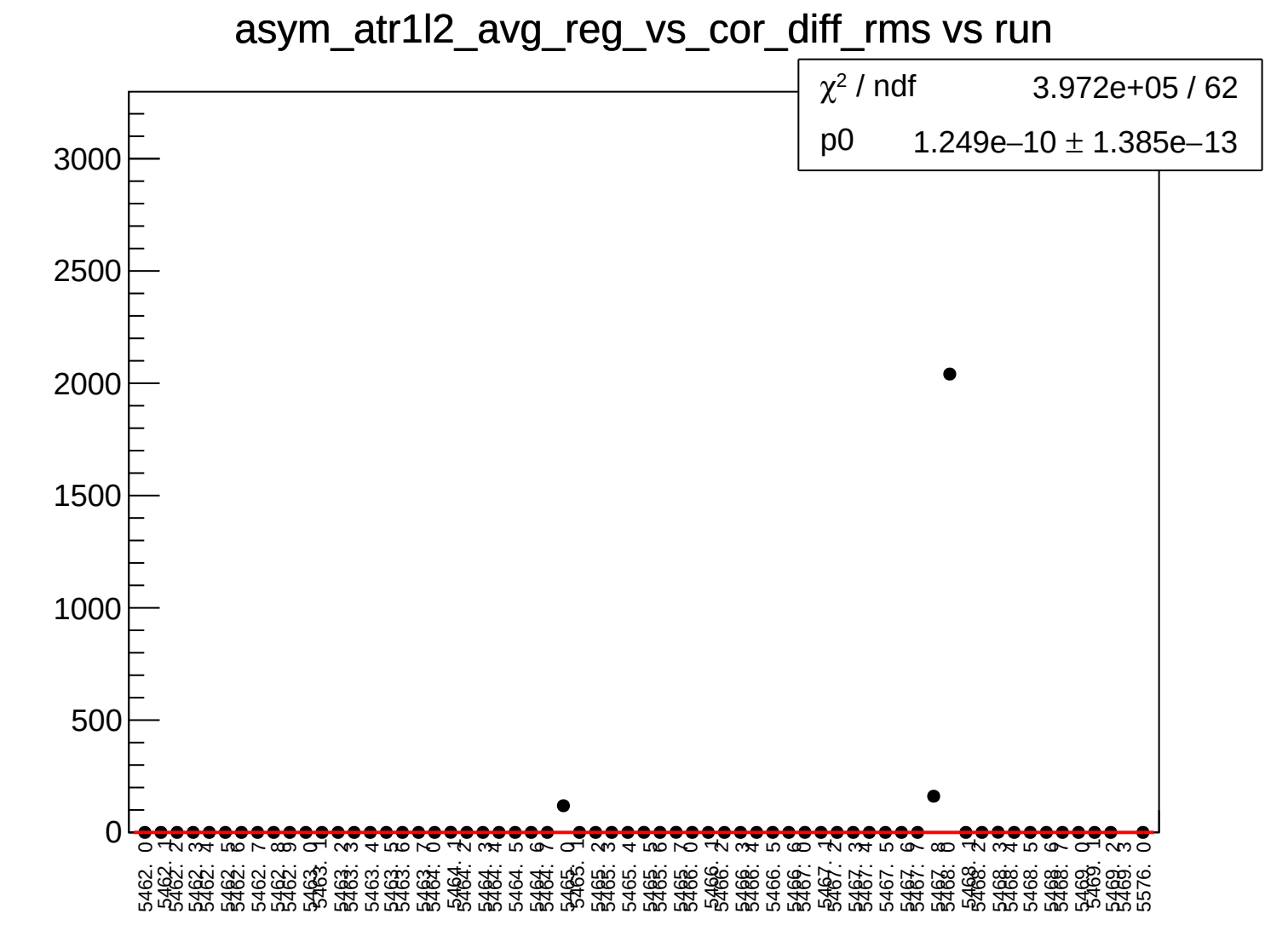

asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 76.36 / 60
p0 502.2 ± 4814
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 61
Mean 84.93
Std Dev 0
2
1
0
−1
−2

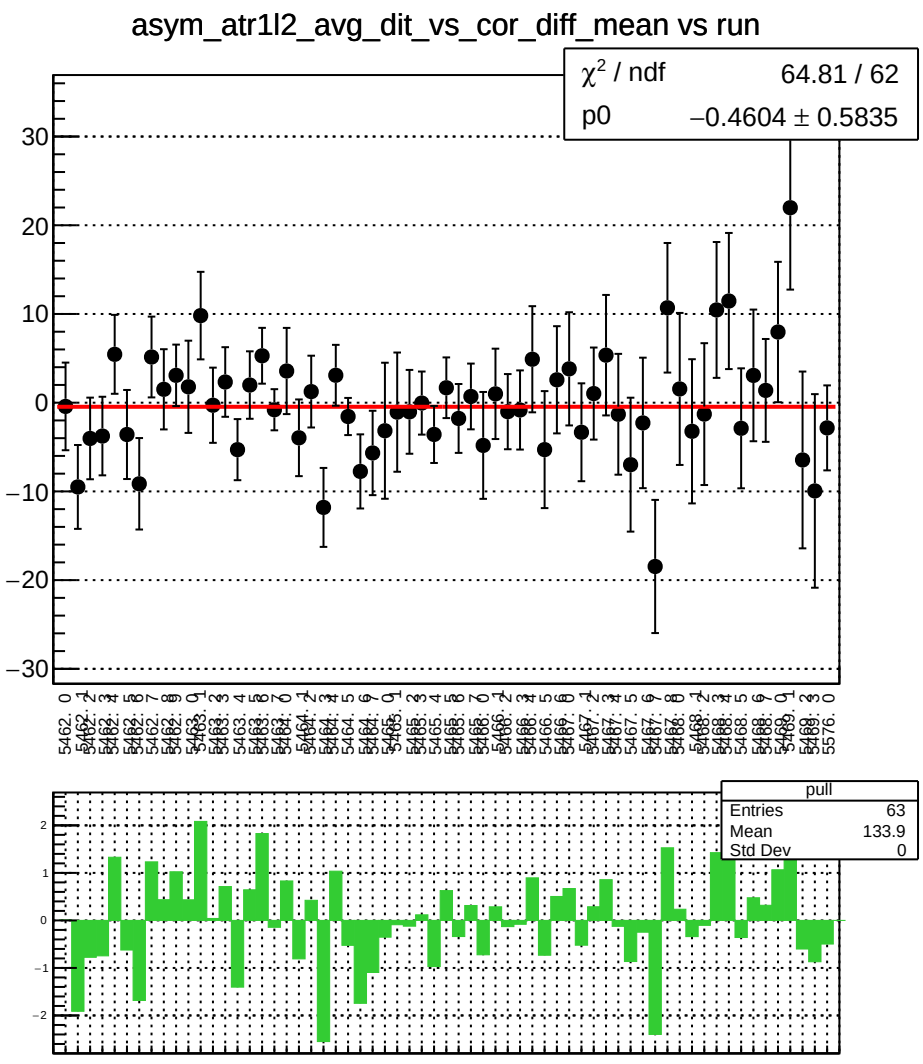

pull1D
Entries 61
Mean −0.04107
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

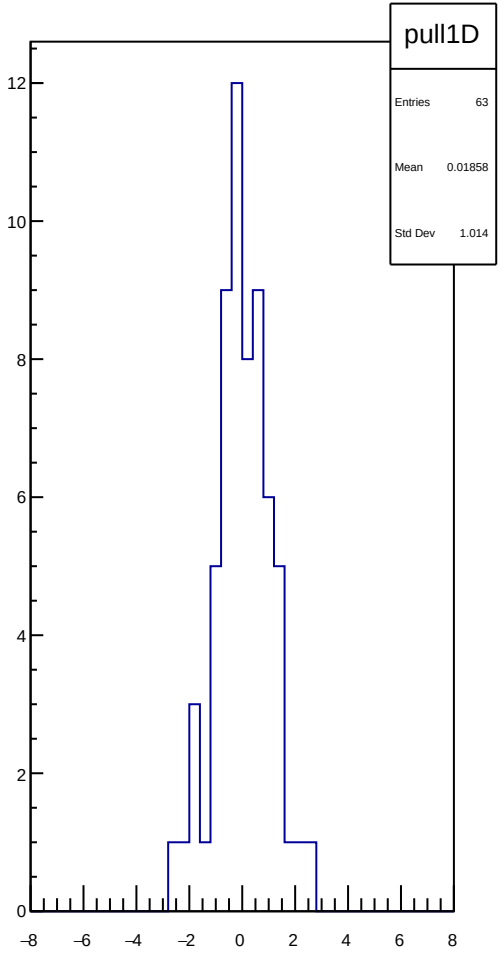

asym_atr1l2_avg_rms vs run
×10^3
χ^2 / ndf 5.26e+04 / 62
p0 3664 ± 3.404
100
80
60
40
20

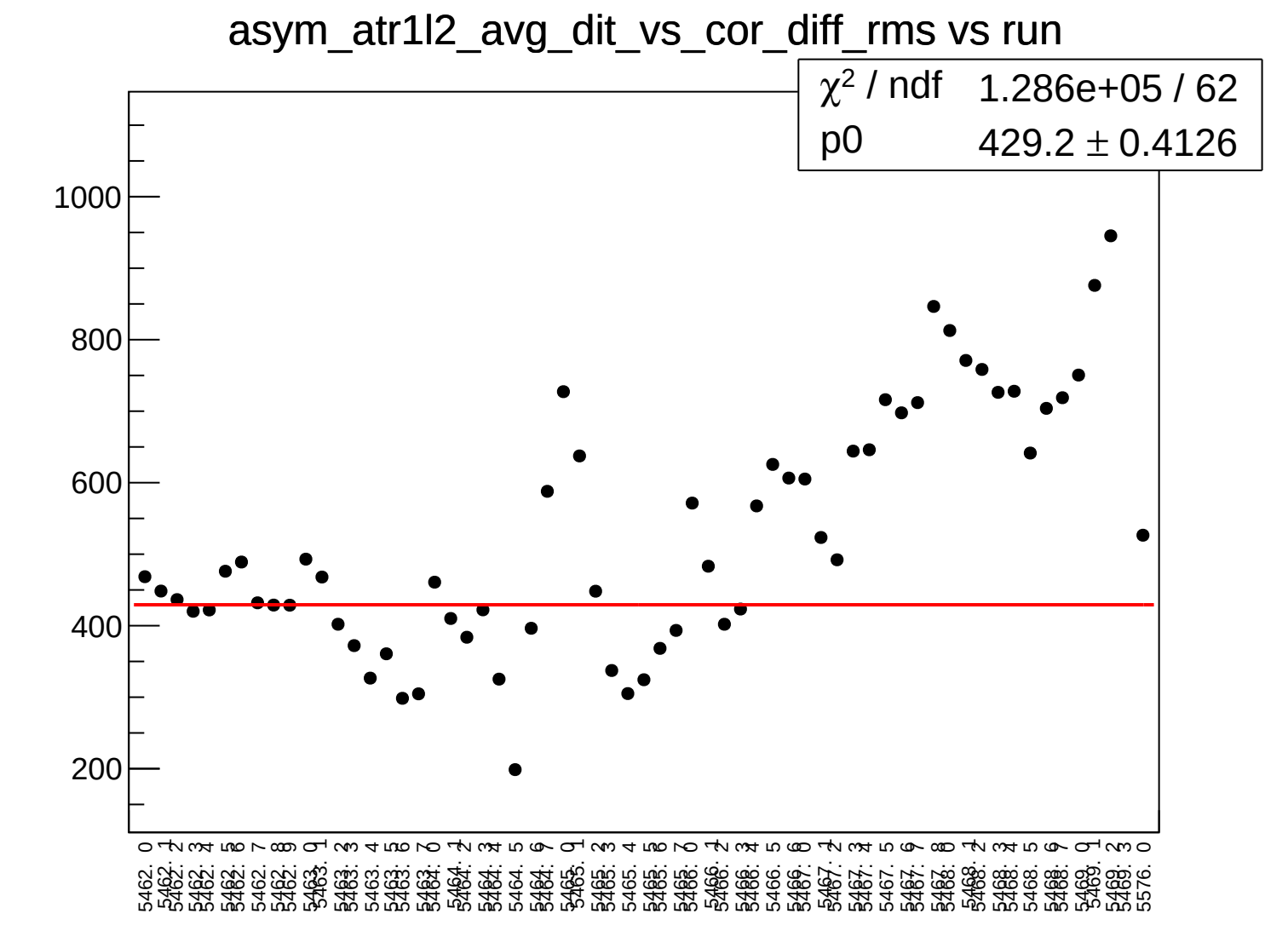

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.98 / 62
p0 −2.345e−13 ± 1.958e−13
pull
Entries 63
Mean 46.84
Std Dev 57.33

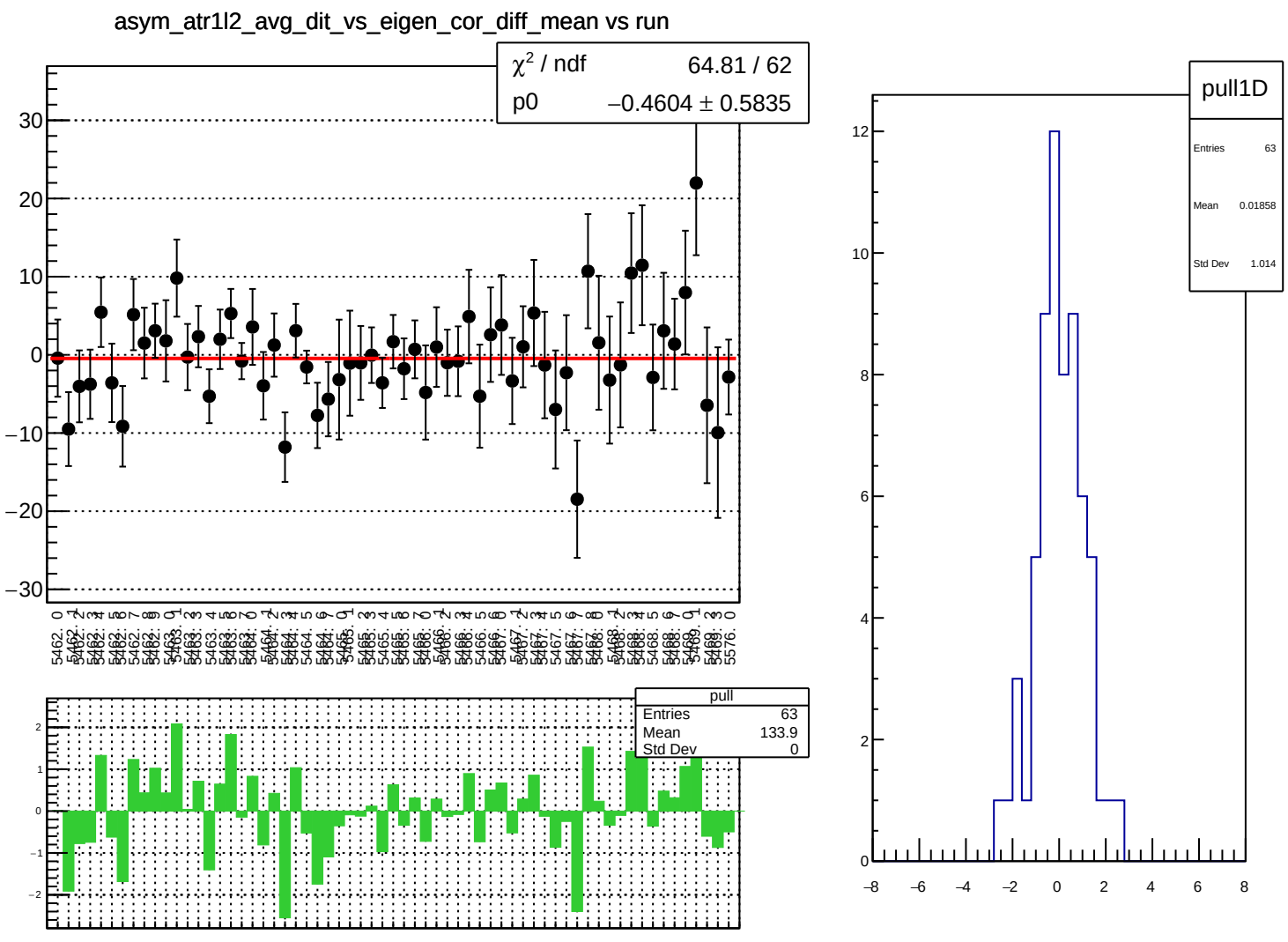

pull1D
Entries 63
Mean 0.01538
Std Dev 0.8258

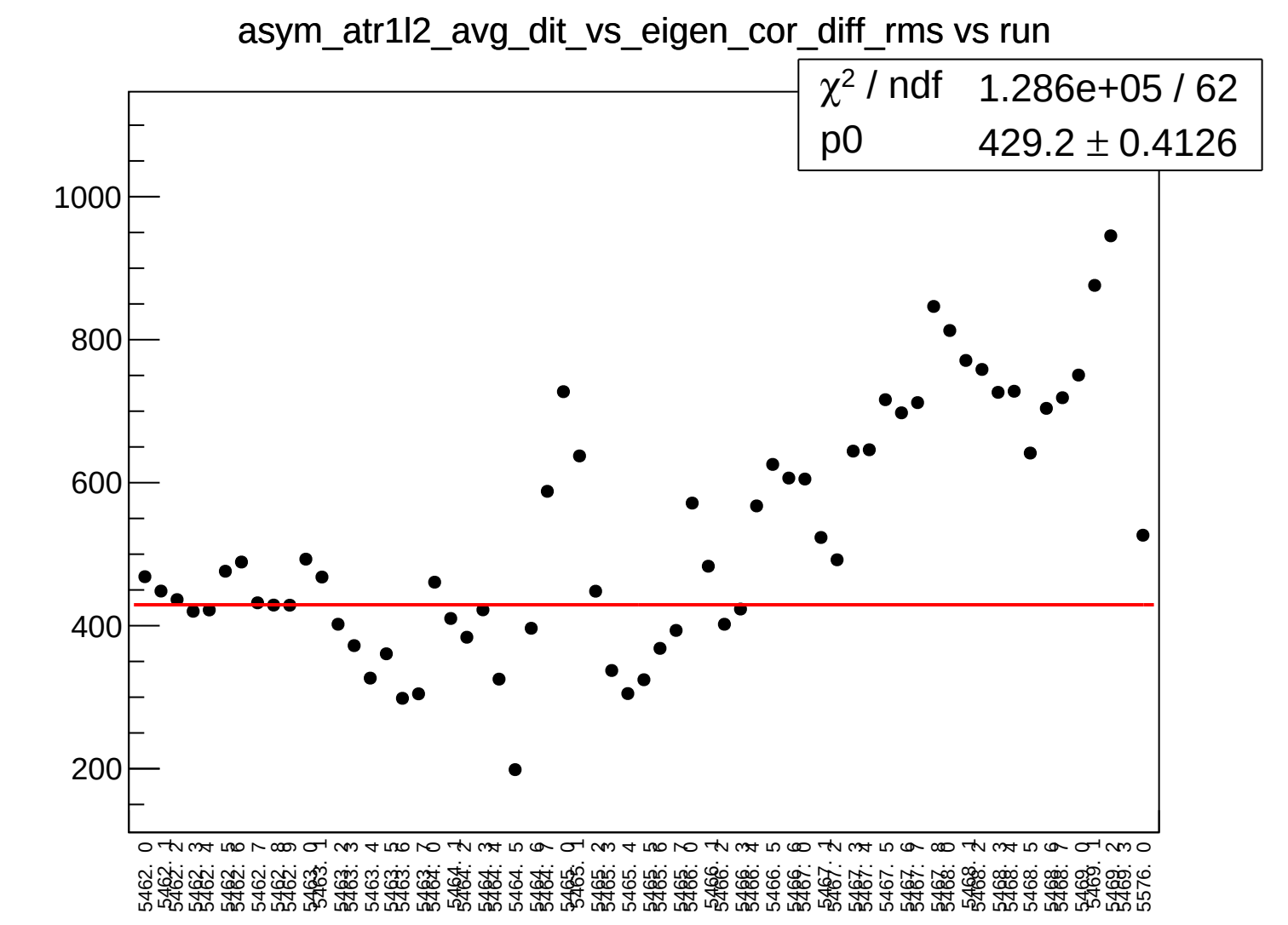

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.972e+05 / 62
p0 1.249e−10 ± 1.385e−13
3000
2500
2000
1500
1000
500
0

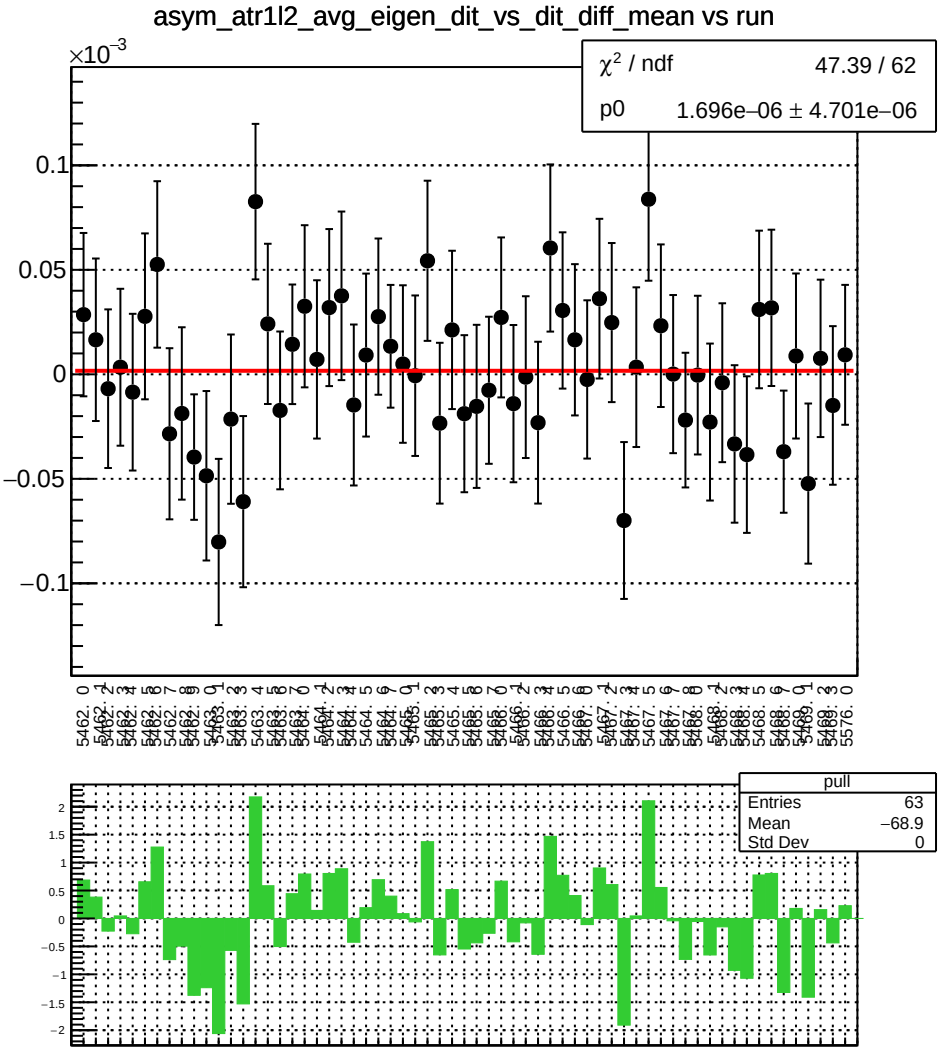

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.81 / 62
p0 −0.4604 ± 0.5835
pull
Entries 63
Mean 133.9
Std Dev 0

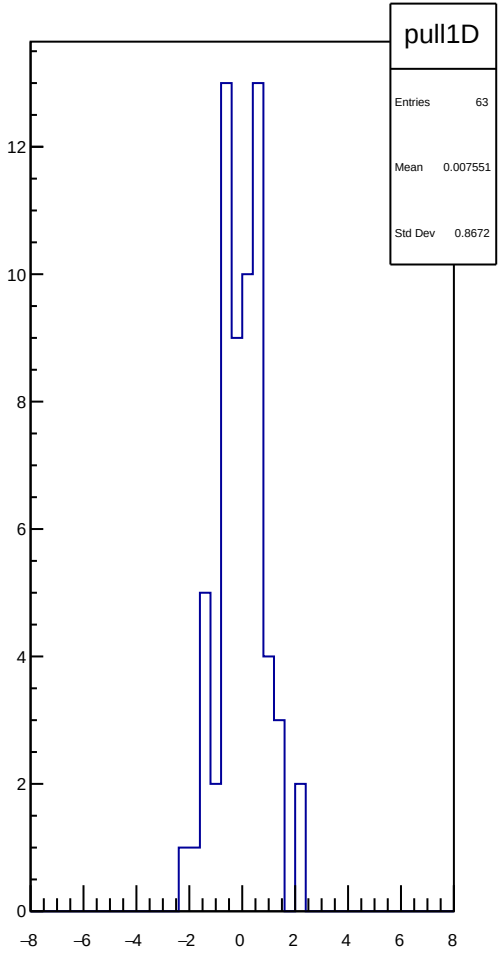

pull1D
Entries 63
Mean 0.01858
Std Dev 1.014

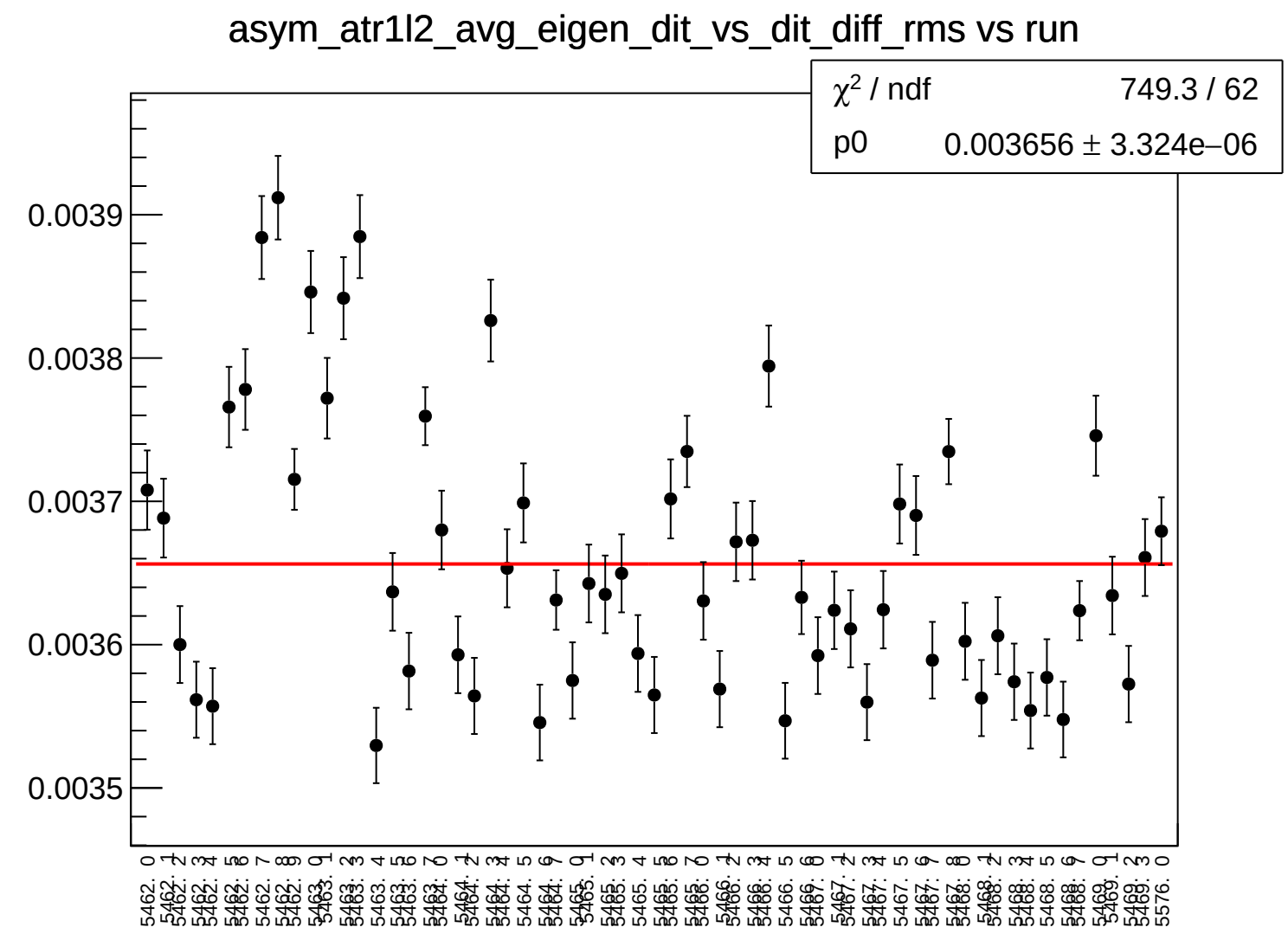

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 62
p0 429.2 ± 0.4126
1000
800
600
400
200

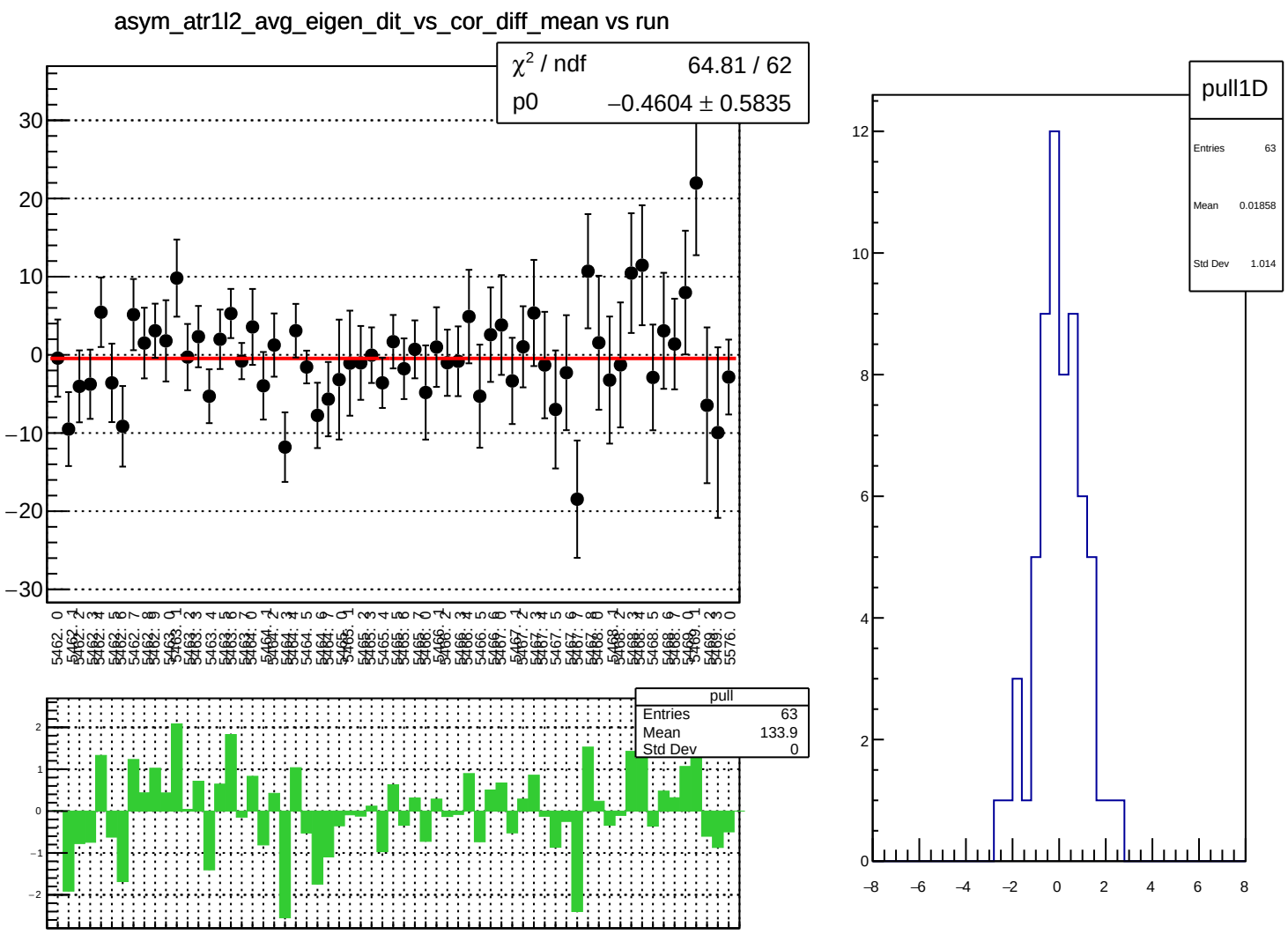

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.81 / 62
p0 −0.4604 ± 0.5835
pull
Entries 63
Mean 133.9
Std Dev 0
pull1D
Entries 63
Mean 0.01858
Std Dev 1.014

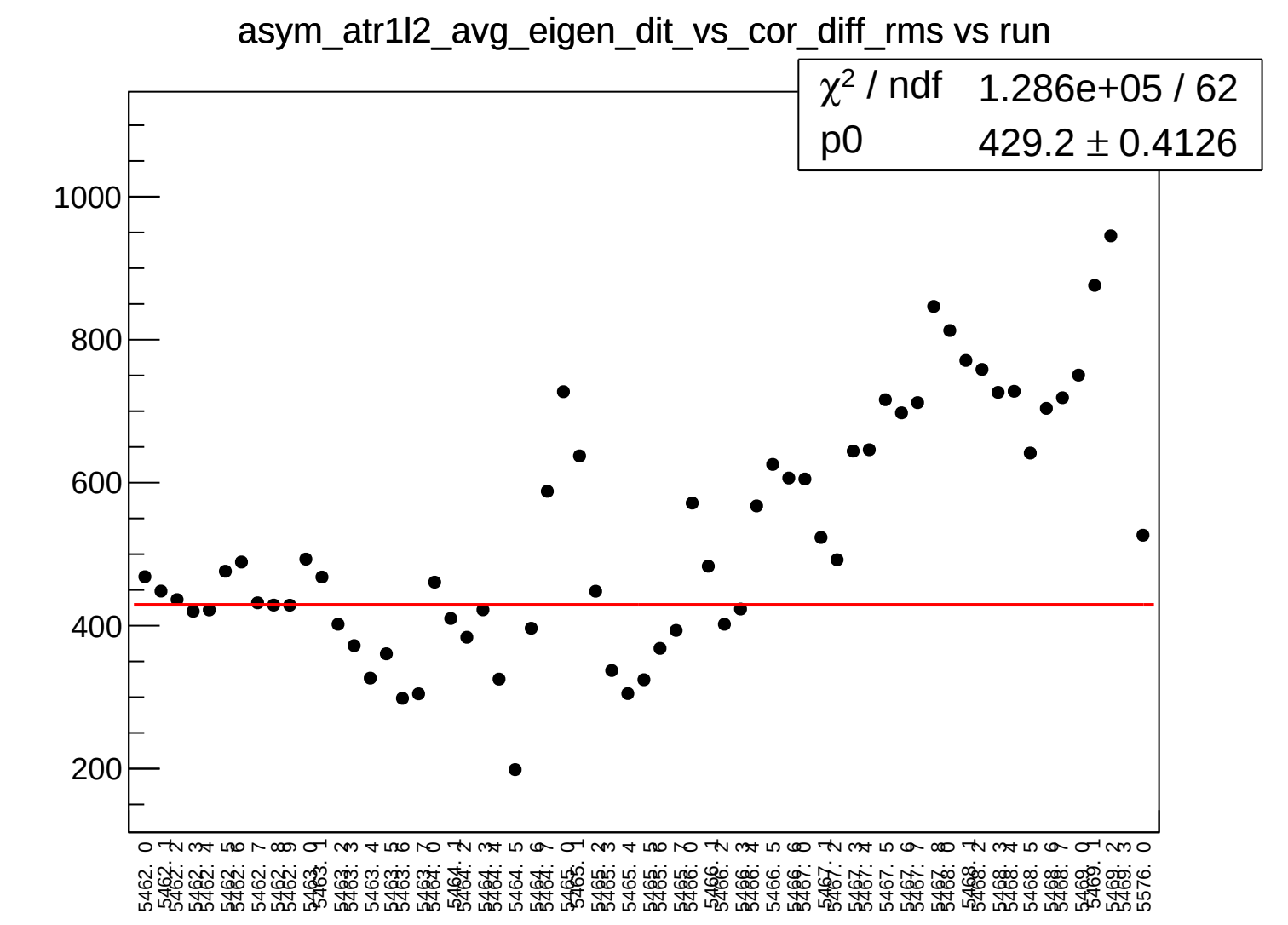

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 62
p0 429.2 ± 0.4126
1000
800
600
400
200

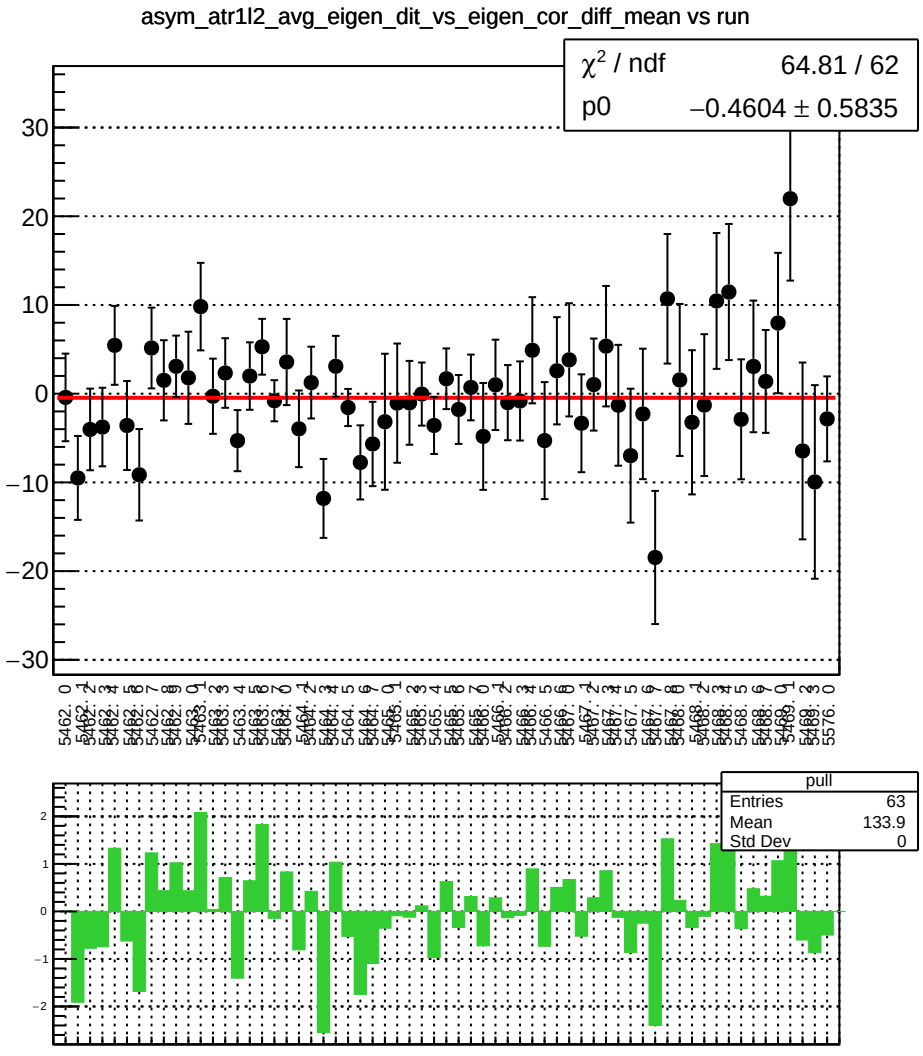

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.39 / 62
p0 1.696e−06 ± 4.701e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean −68.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

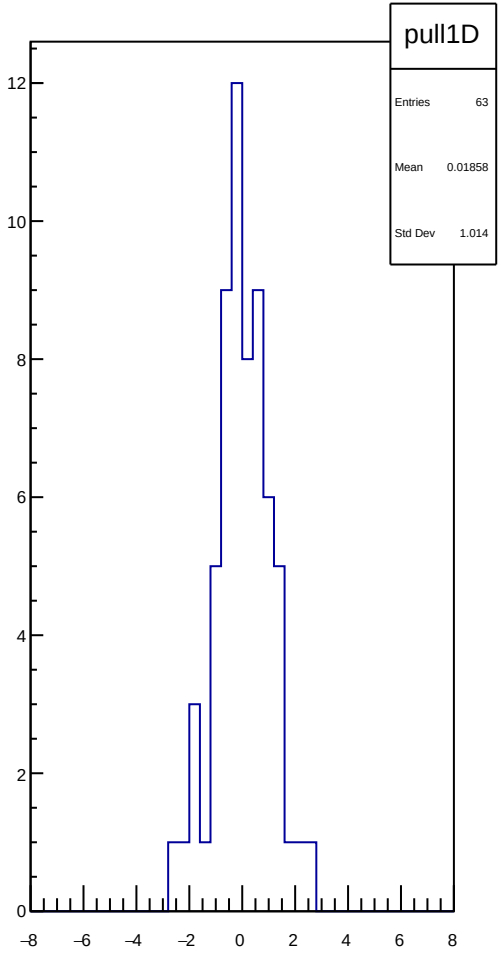

pull1D
Entries 63
Mean 0.007551
Std Dev 0.8672
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

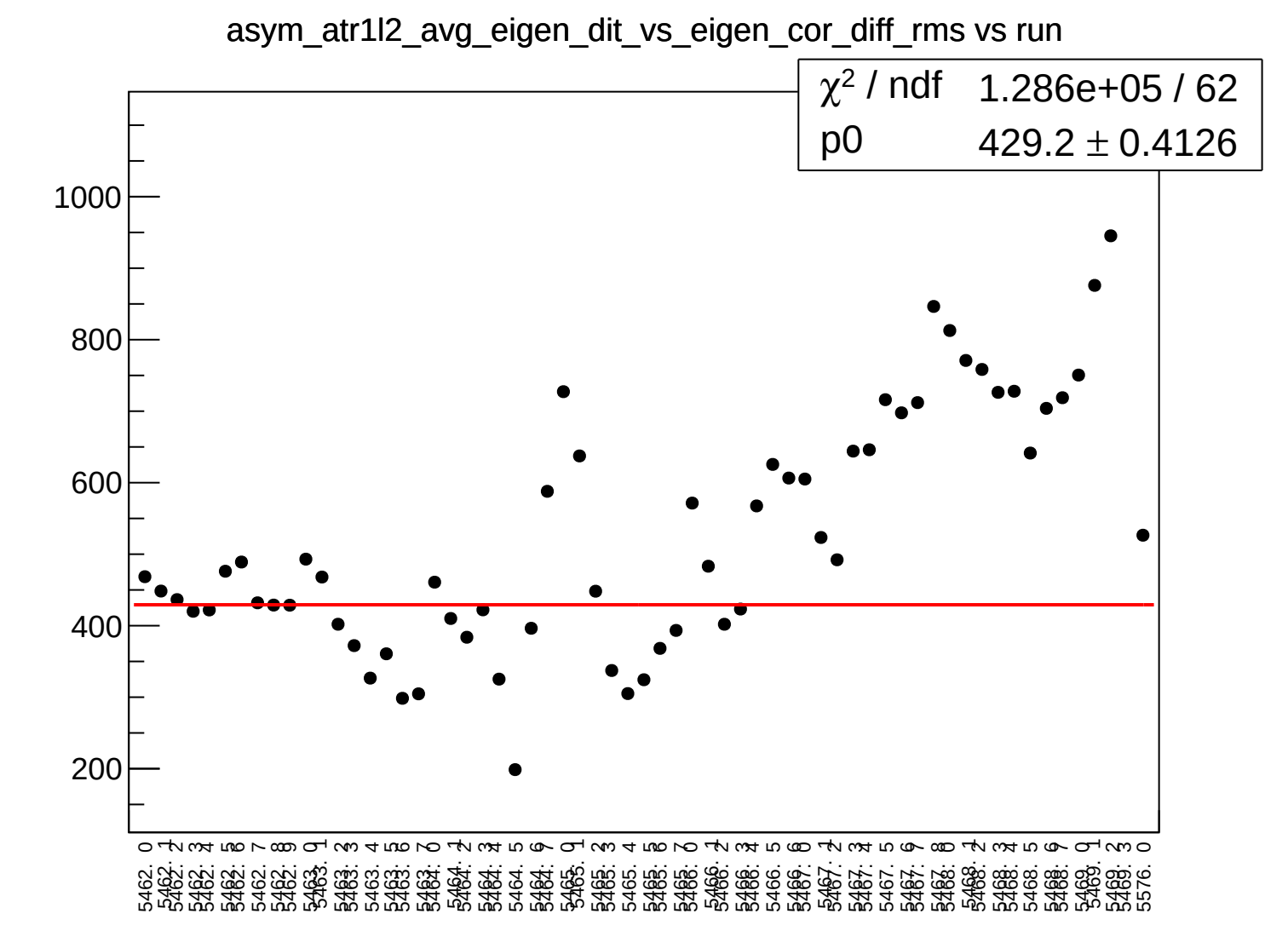

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 749.3 / 62
p0 0.003656 ± 3.324e−06
0.0039
0.0038
0.0037
0.0036
0.0035

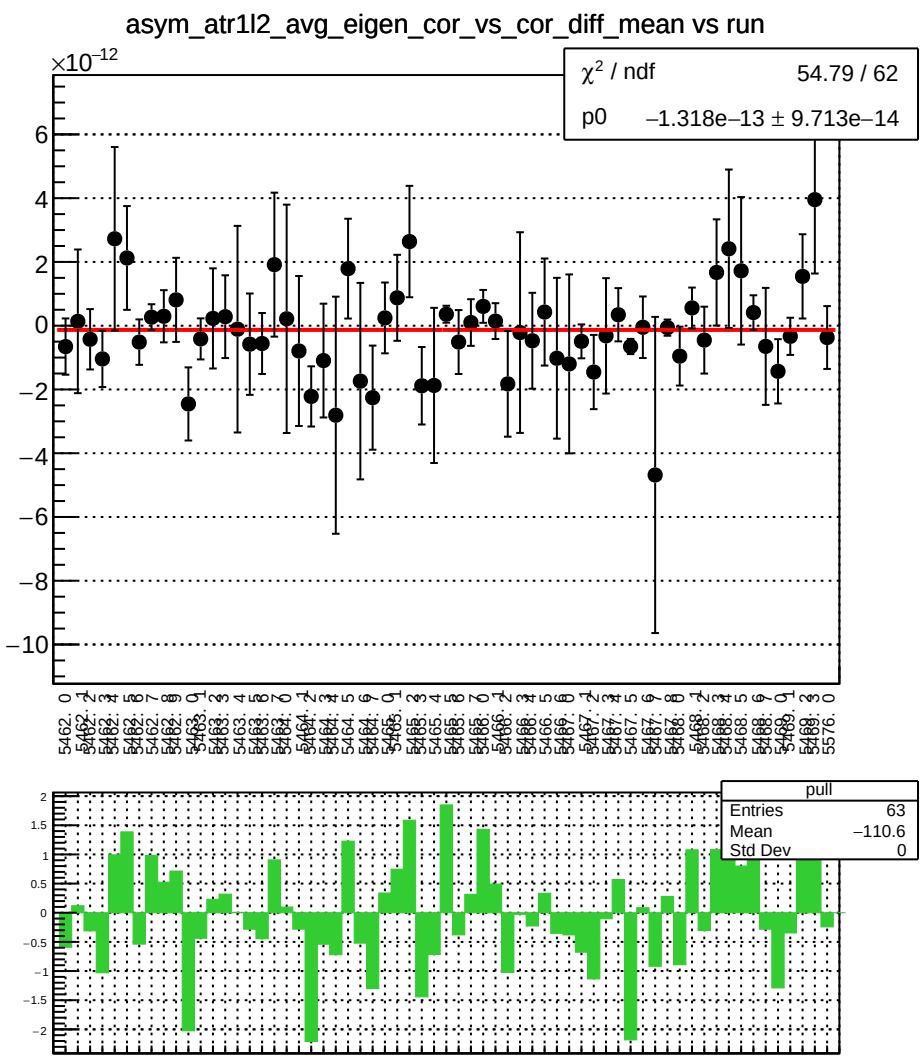

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.81 / 62
p0 −0.4604 ± 0.5835
pull
Entries 63
Mean 133.9
Std Dev 0
pull1D
Entries 63
Mean 0.01858
Std Dev 1.014

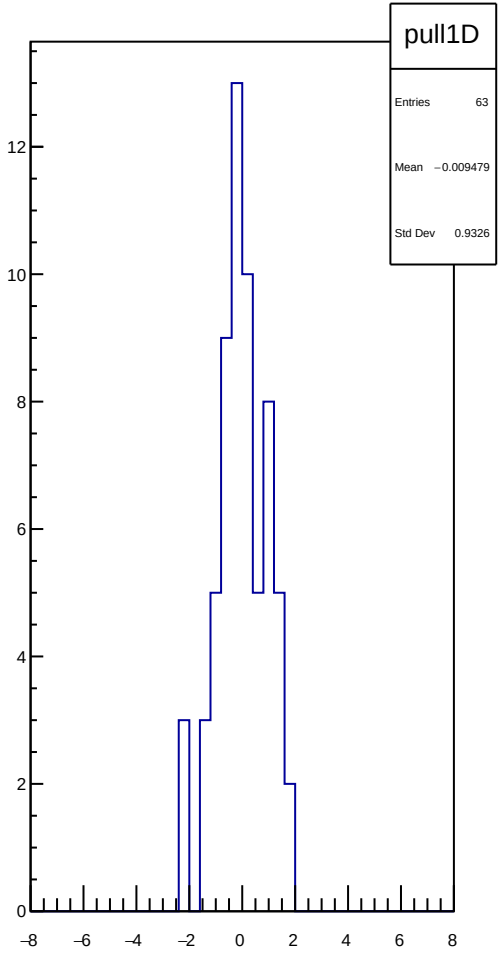

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 62
p0 429.2 ± 0.4126
1000
800
600
400
200

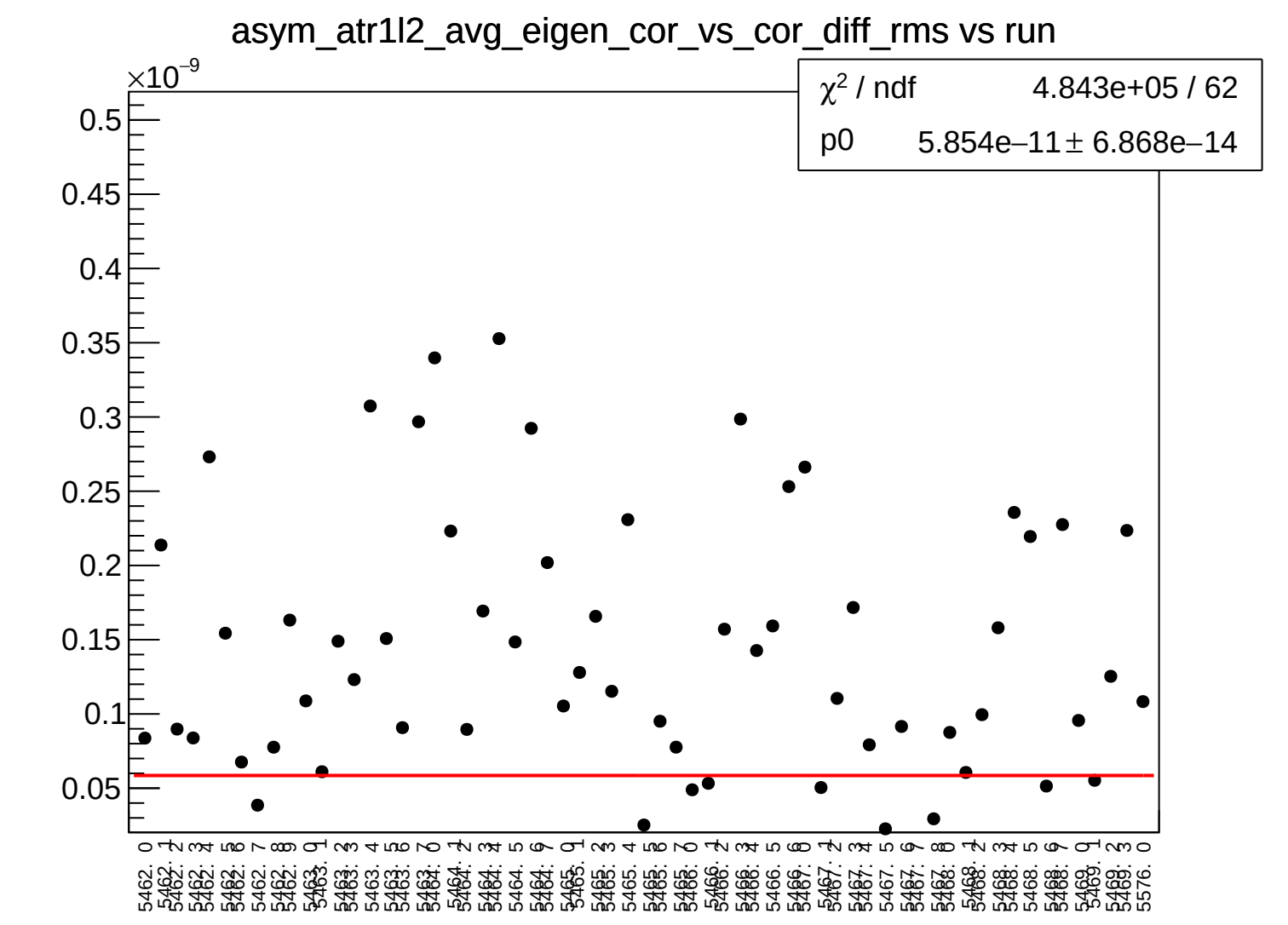

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.81 / 62
p0 −0.4604 ± 0.5835
pull
Entries 63
Mean 133.9
Std Dev 0

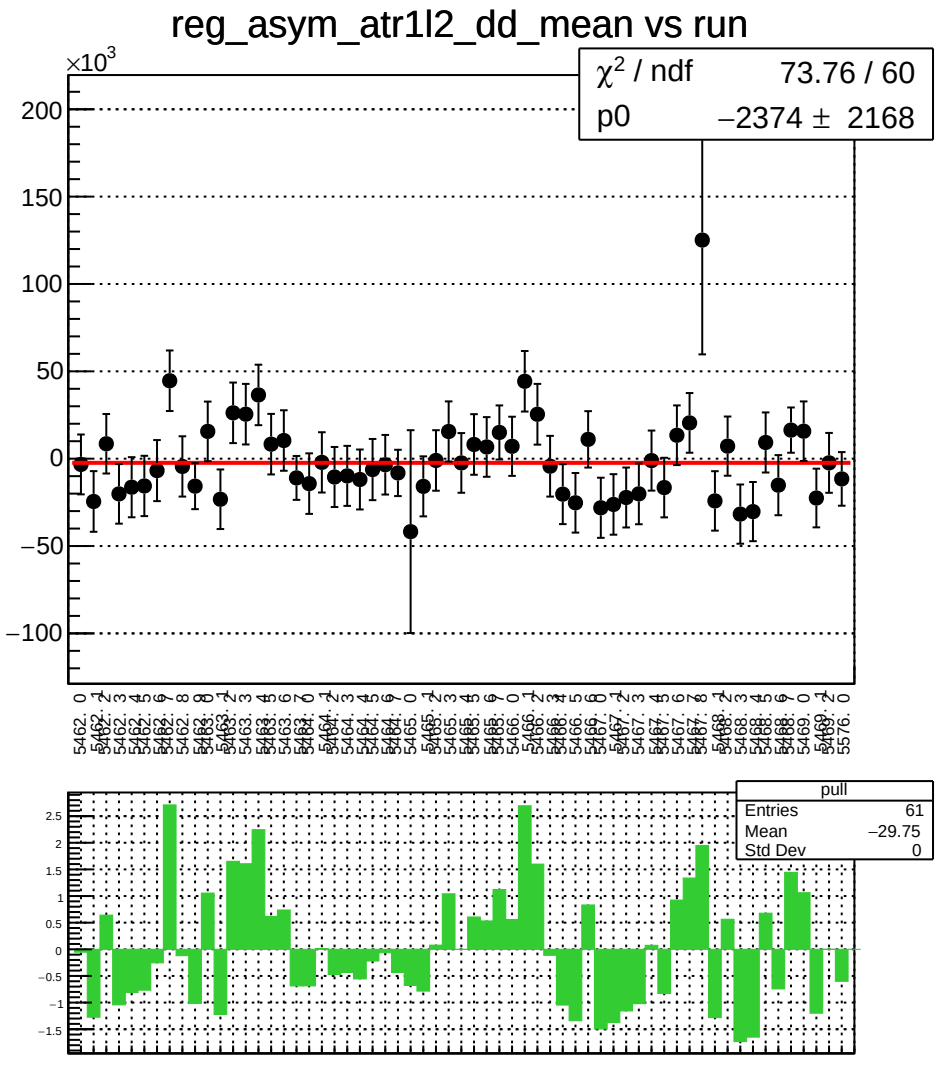

pull1D
Entries 63
Mean 0.01858
Std Dev 1.014

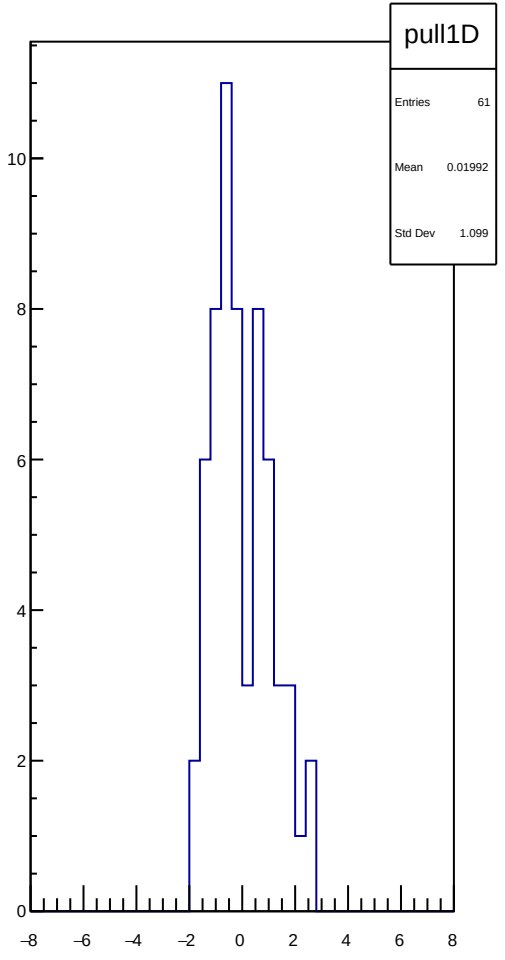

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 62
p0 429.2 ± 0.4126
1000
800
600
400
200

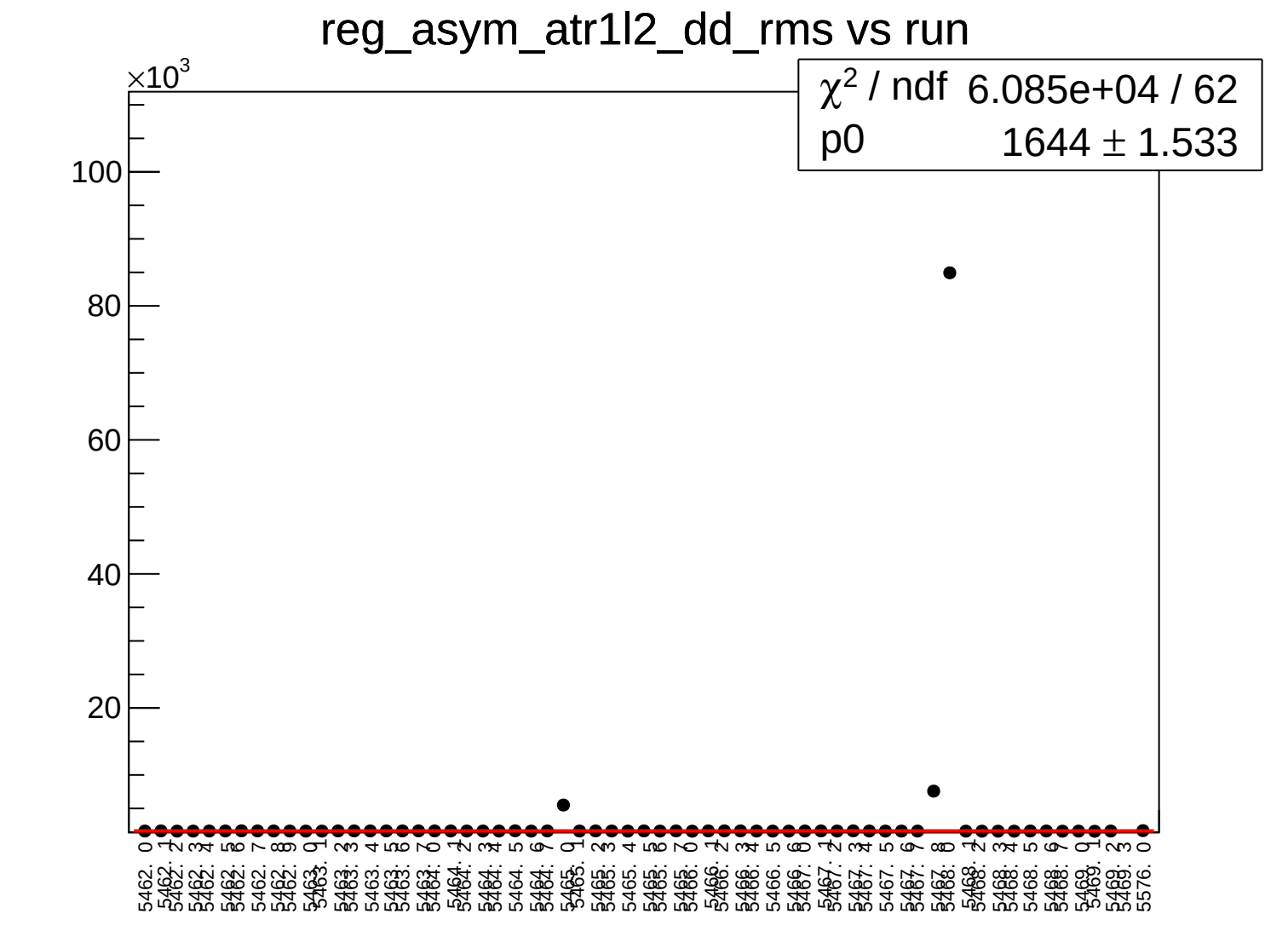

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.79 / 62
p0 −1.318e−13 ± 9.713e−14
pull
Entries 63
Mean −110.6
Std Dev 0

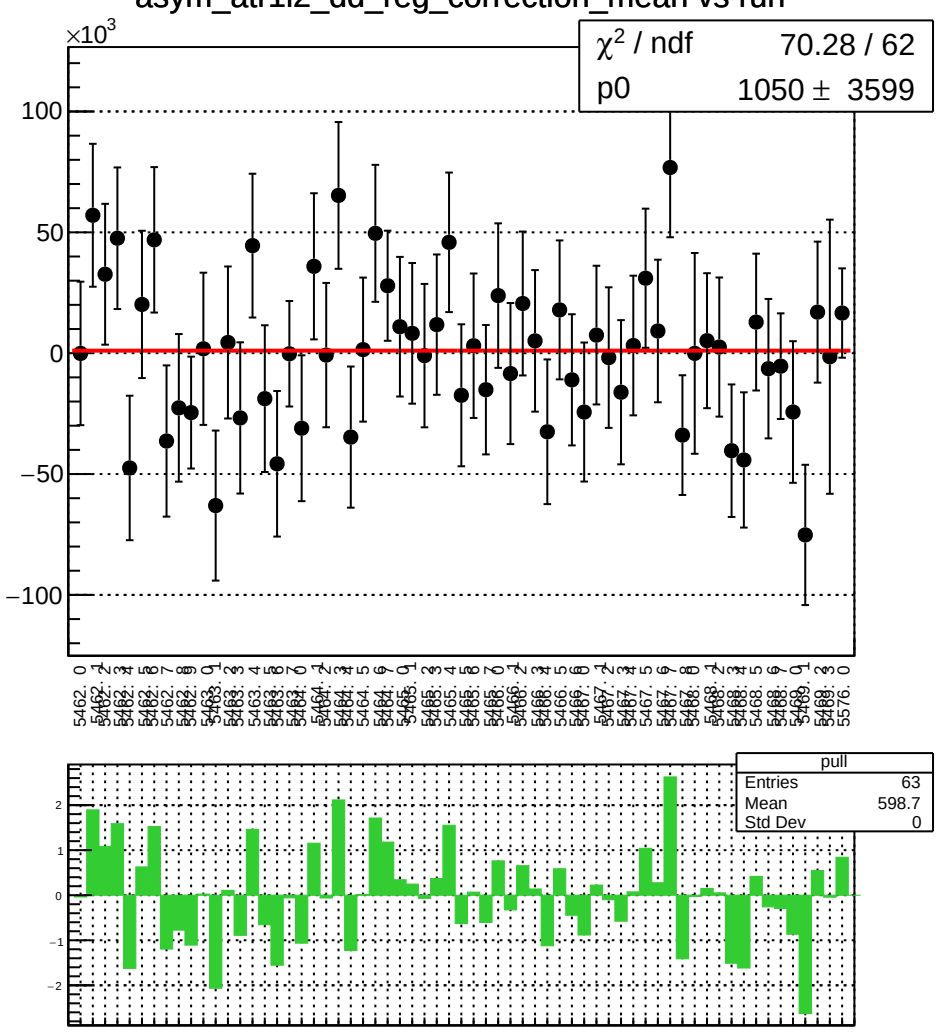

pull1D
Entries 63
Mean −0.009479
Std Dev 0.9326

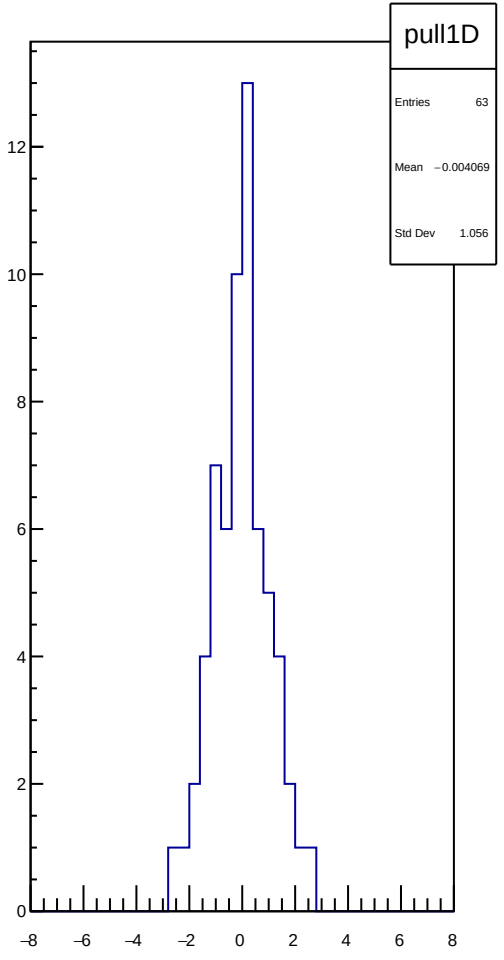

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.843e+05 / 62
p0 5.854e−11 ± 6.868e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

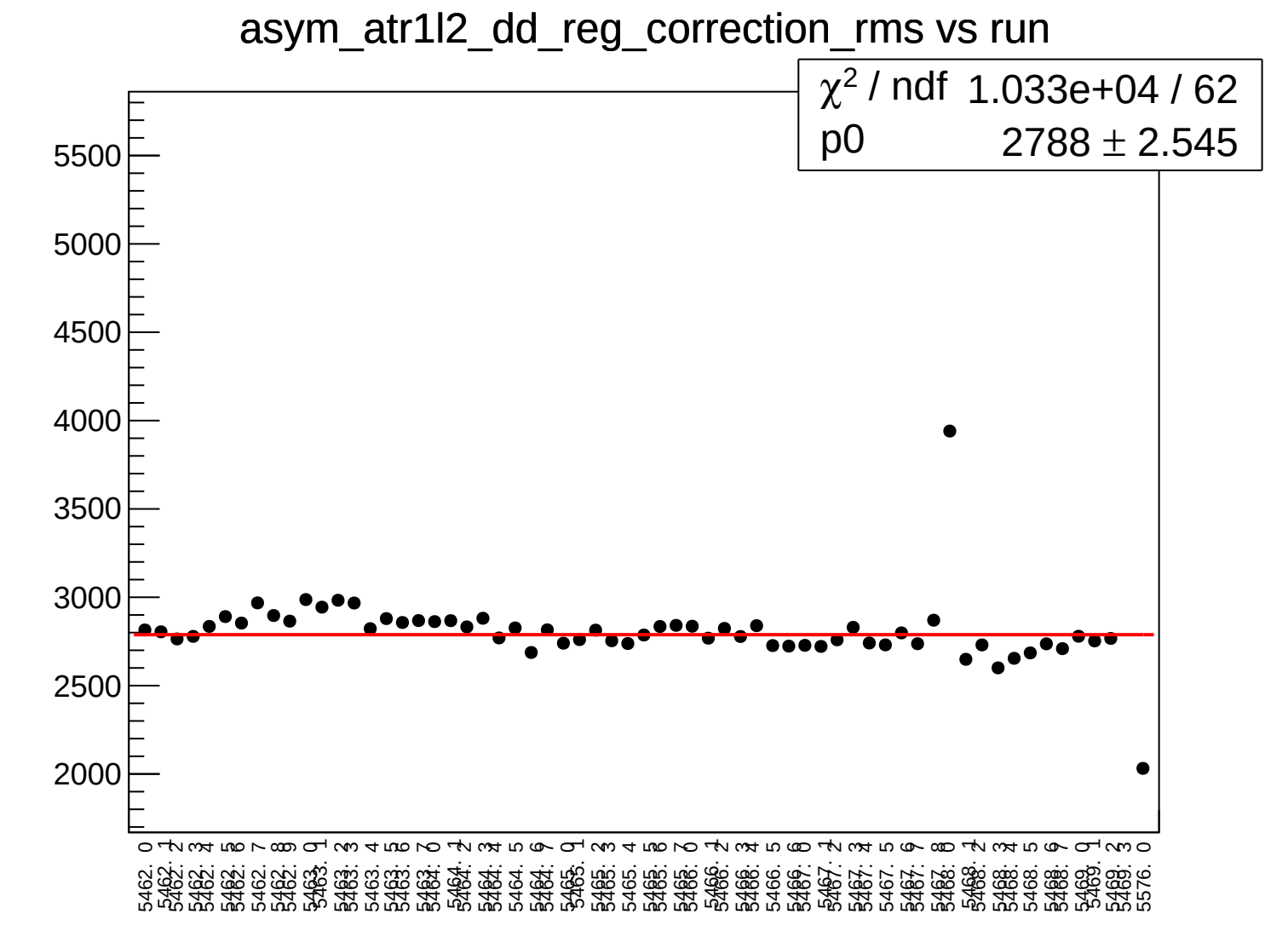

reg_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 73.76 / 60
p0 −2374 ± 2168
pull
Entries 61
Mean −29.75
Std Dev 0

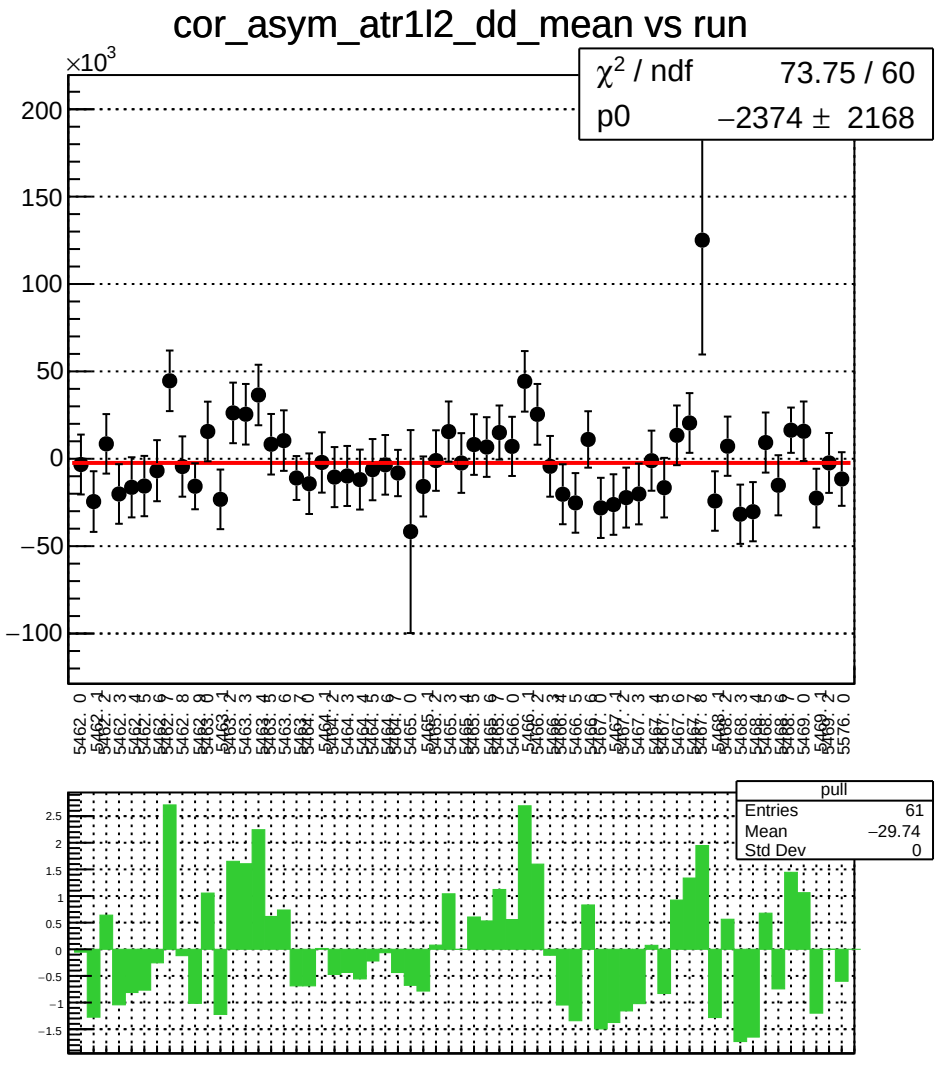

pull1D
Entries 61
Mean 0.01992
Std Dev 1.099

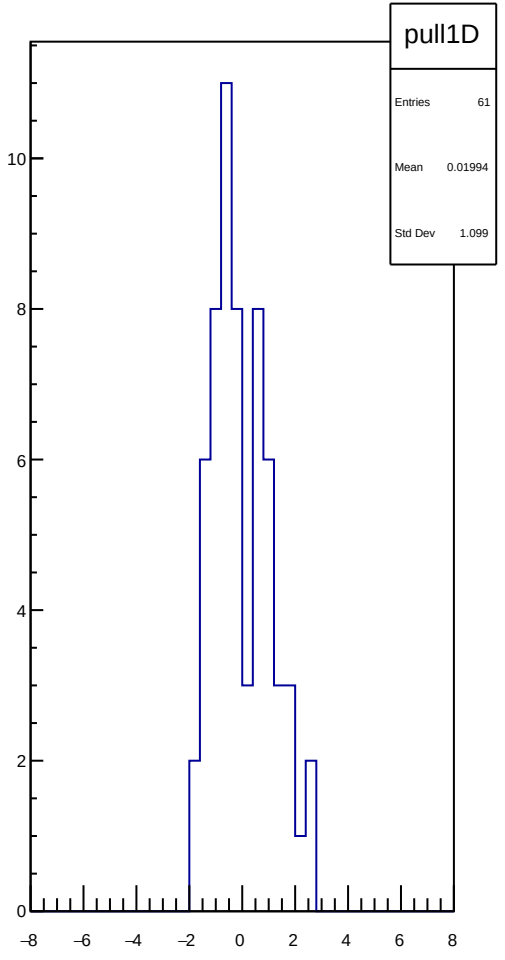

reg_asym_atr1l2_dd_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 6.085e+04 / 62
p0 1644 ± 1.533

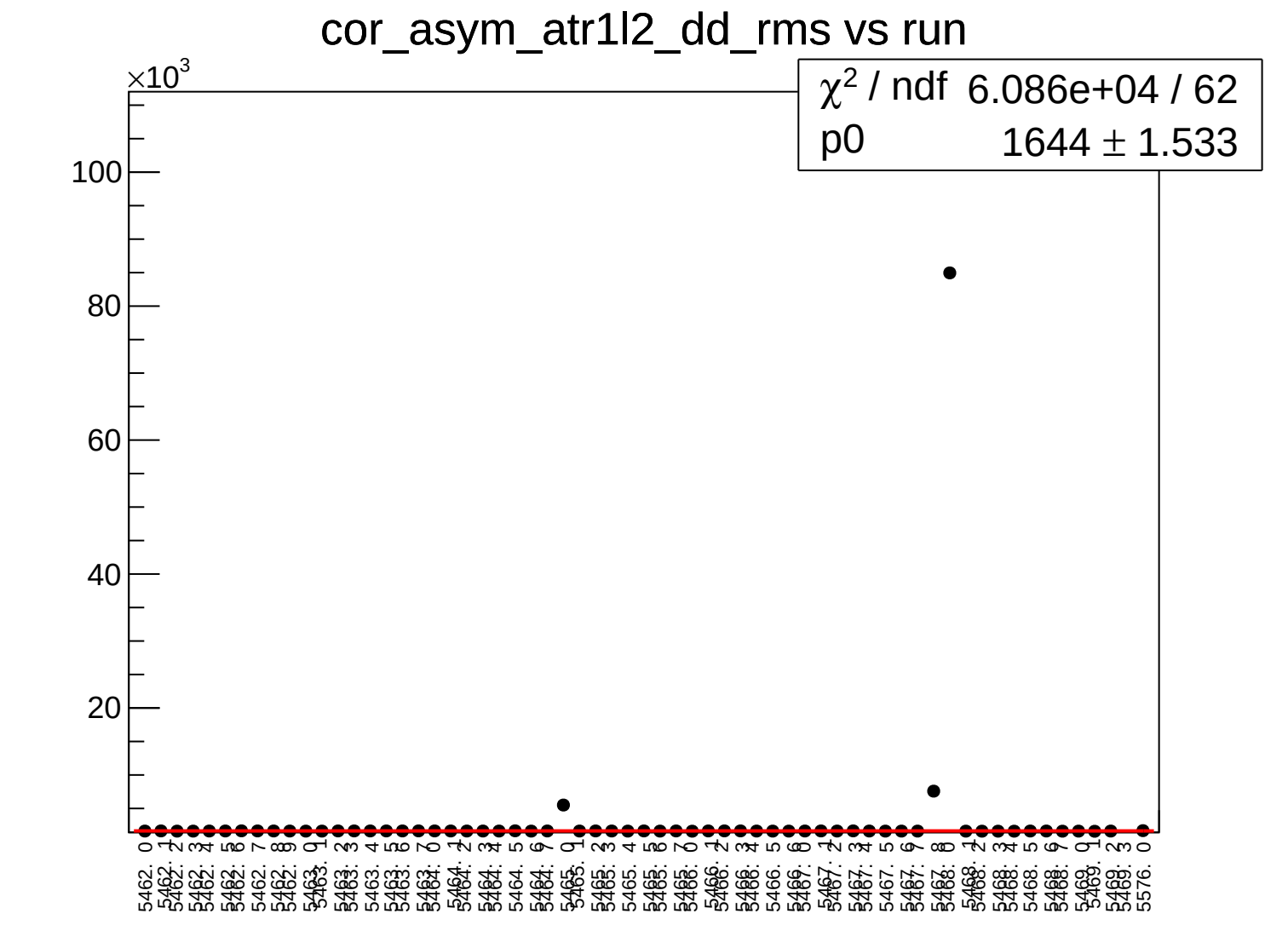

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 70.28 / 62
p0 1050 ± 3599
pull
Entries 63
Mean 598.7
Std Dev 0

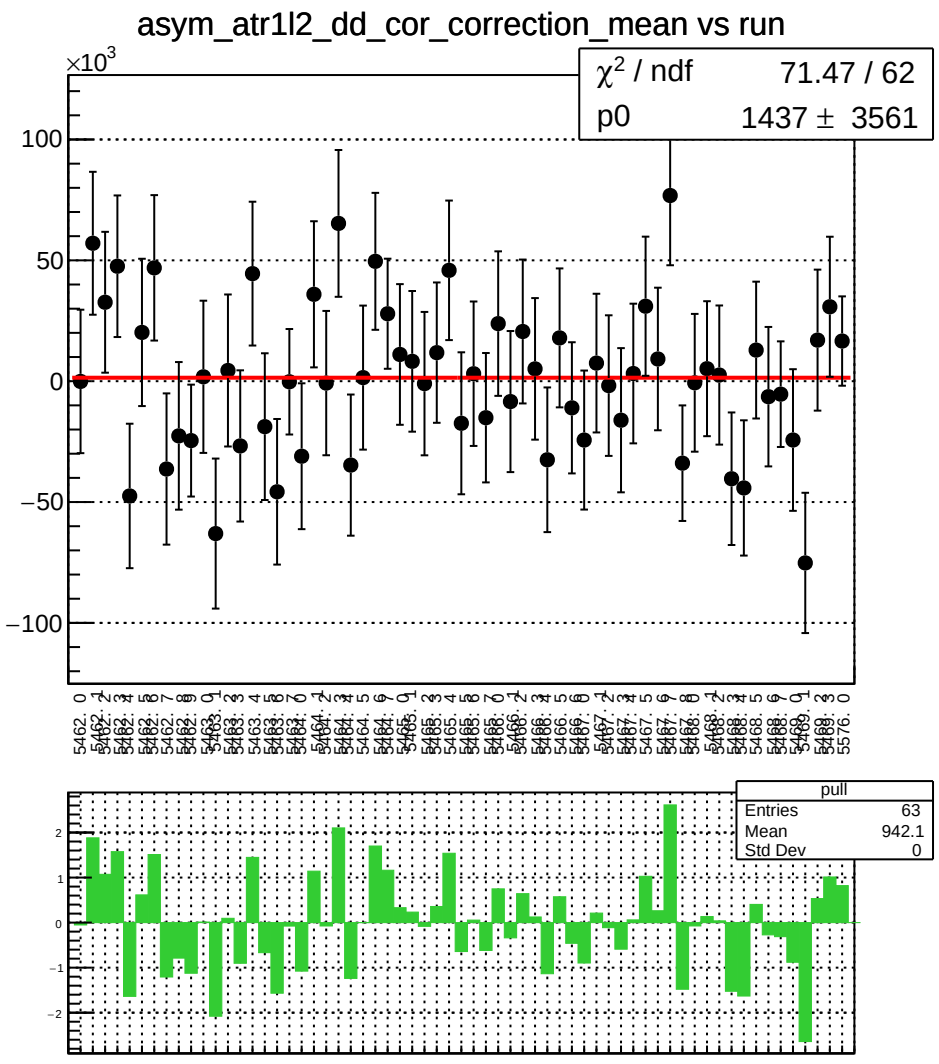

pull1D
Entries 63
Mean −0.004069
Std Dev 1.056

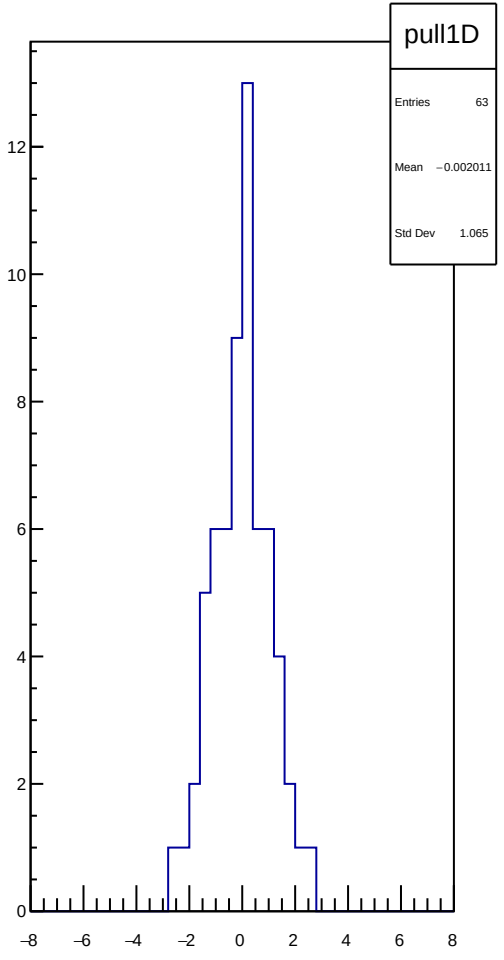

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1.033e+04 / 62
p0 2788 ± 2.545
5500
5000
4500
4000
3500
3000
2500
2000

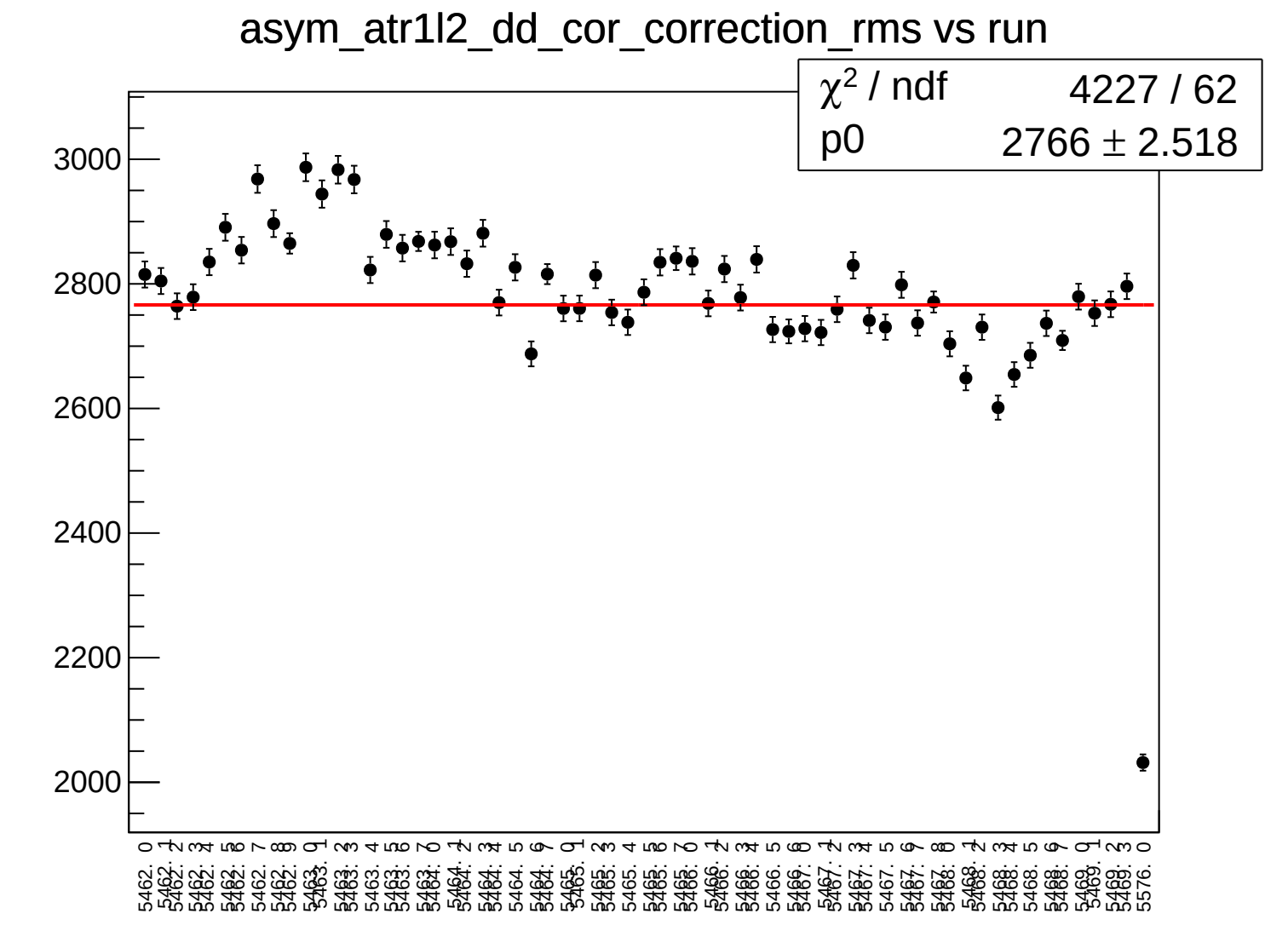

cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 73.75 / 60
p0 −2374 ± 2168
pull
Entries 61
Mean −29.74
Std Dev 0

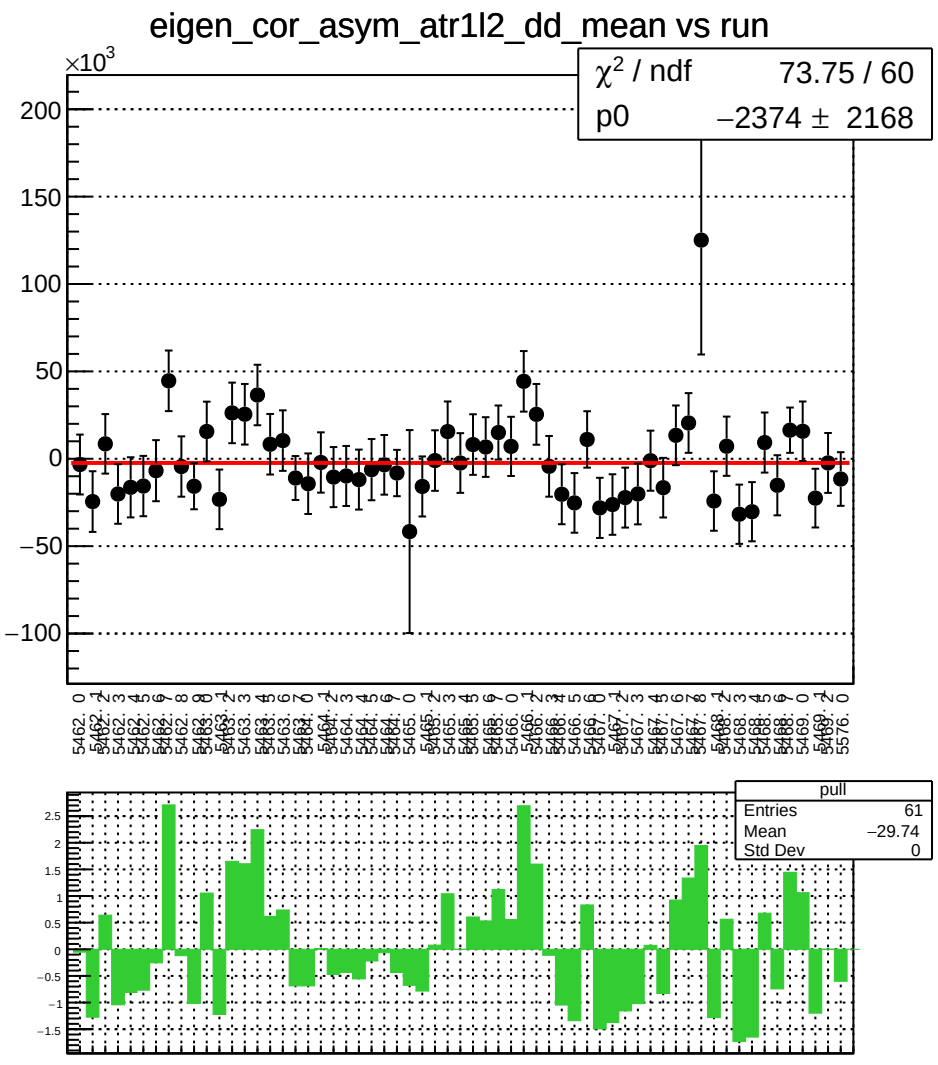

pull1D
Entries 61
Mean 0.01994
Std Dev 1.099

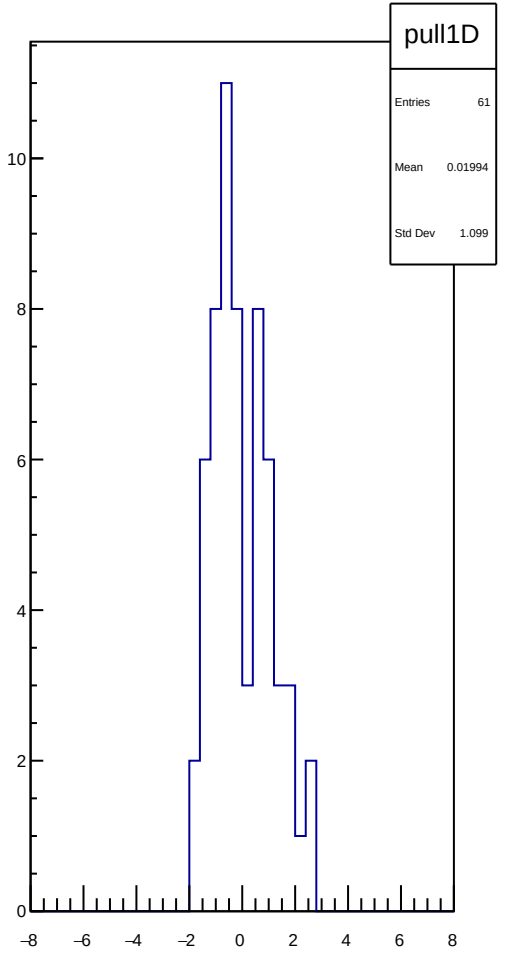

cor_asym_atr1l2_dd_rms vs run
×10^3
χ^2 / ndf 6.086e+04 / 62
p0 1644 ± 1.533
100
80
60
40
20

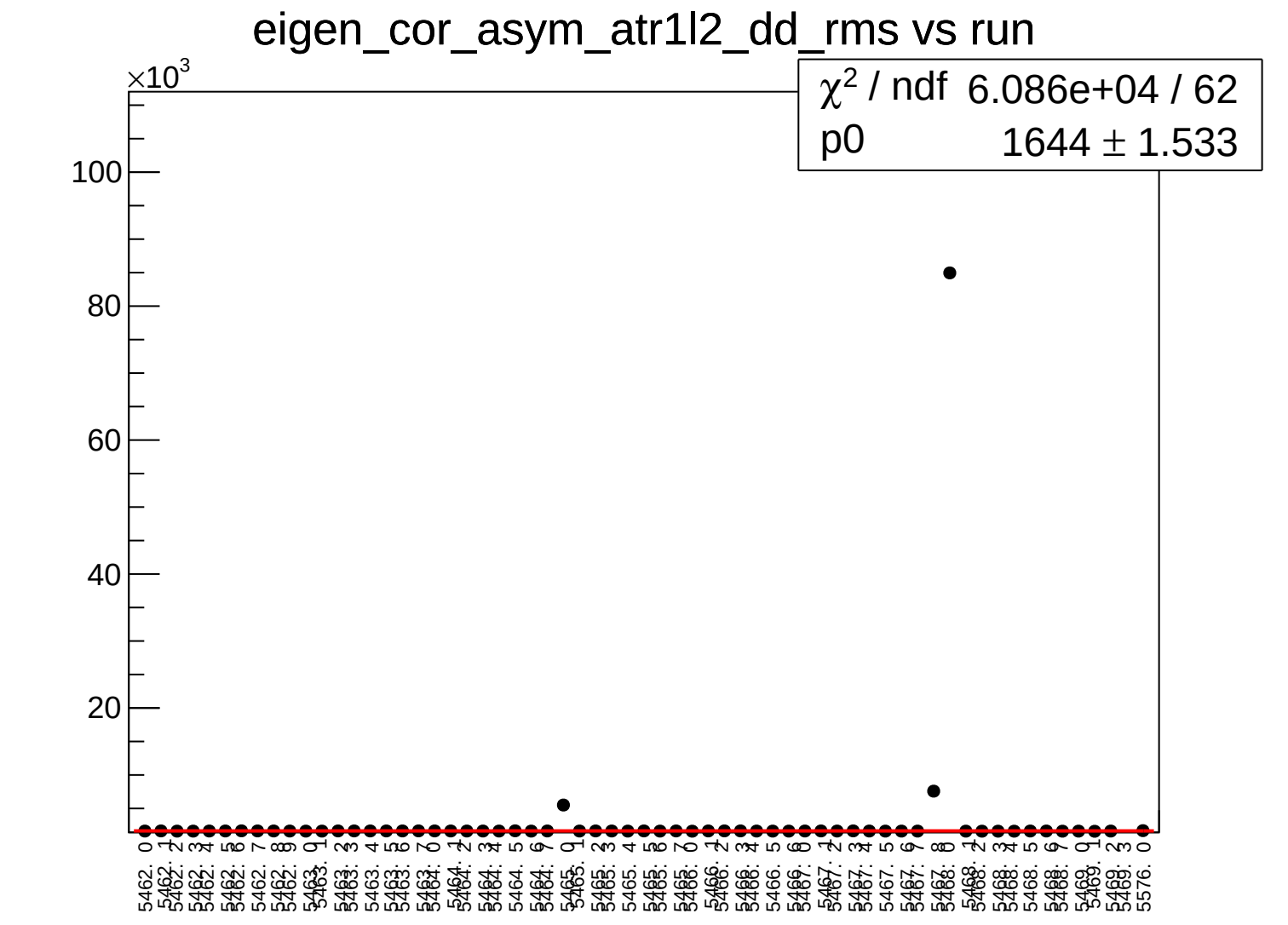

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 71.47 / 62
p0 1437 ± 3561
100
50
0
−50
−100
pull
Entries 63
Mean 942.1
Std Dev 0
2
1
0
−1
−2

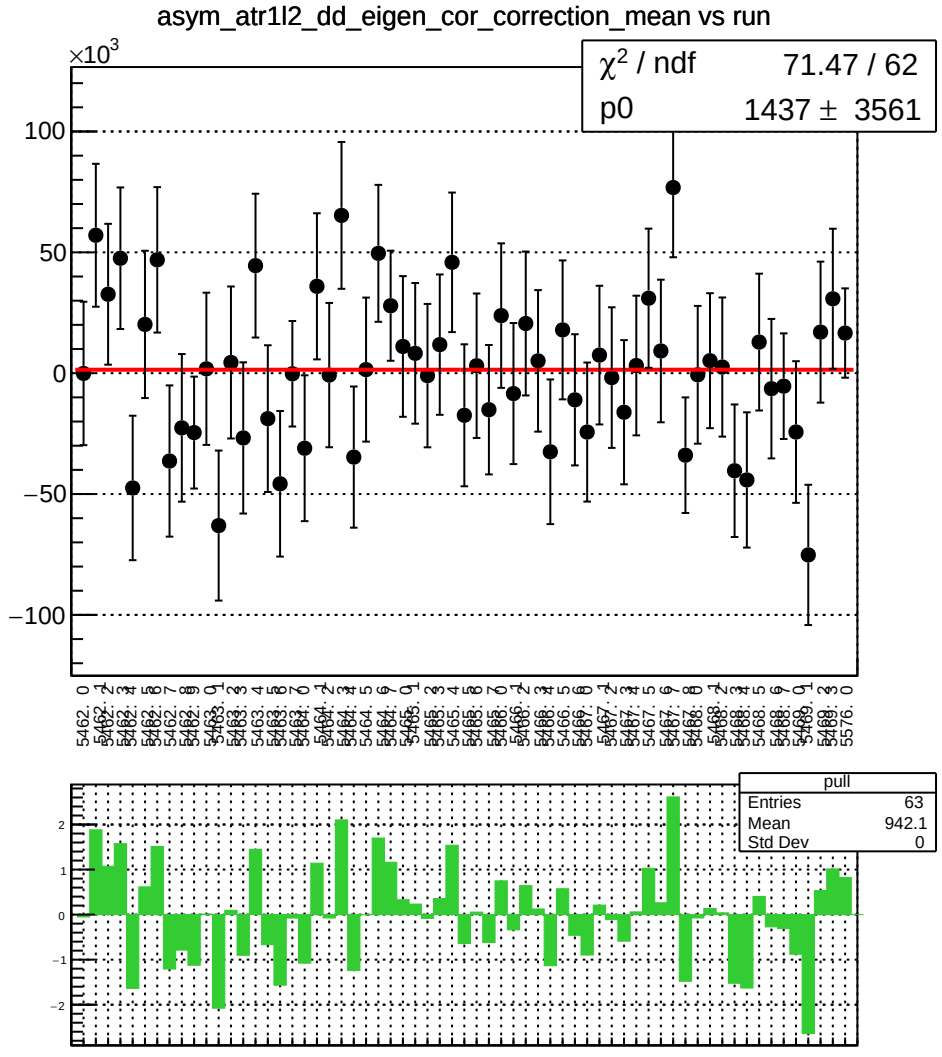

pull1D
Entries 63
Mean −0.002011
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

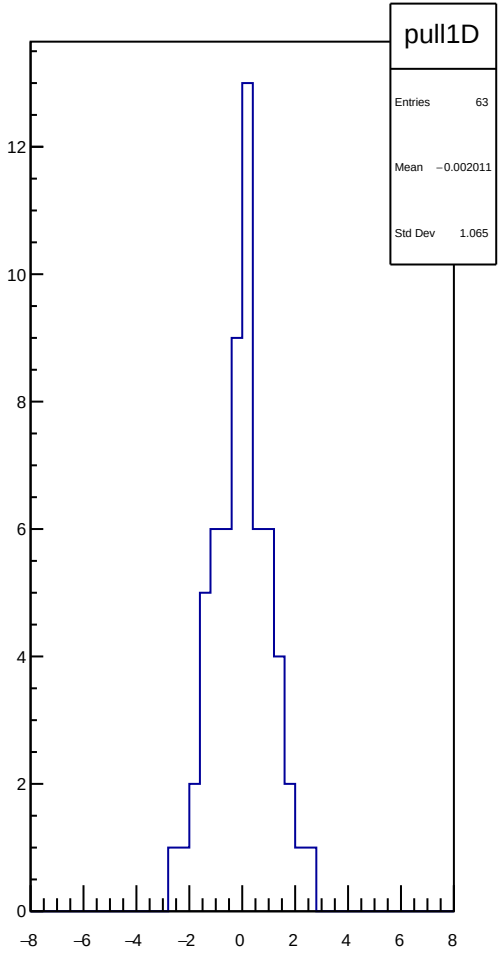

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 4227 / 62
p0 2766 ± 2.518
3000
2800
2600
2400
2200
2000

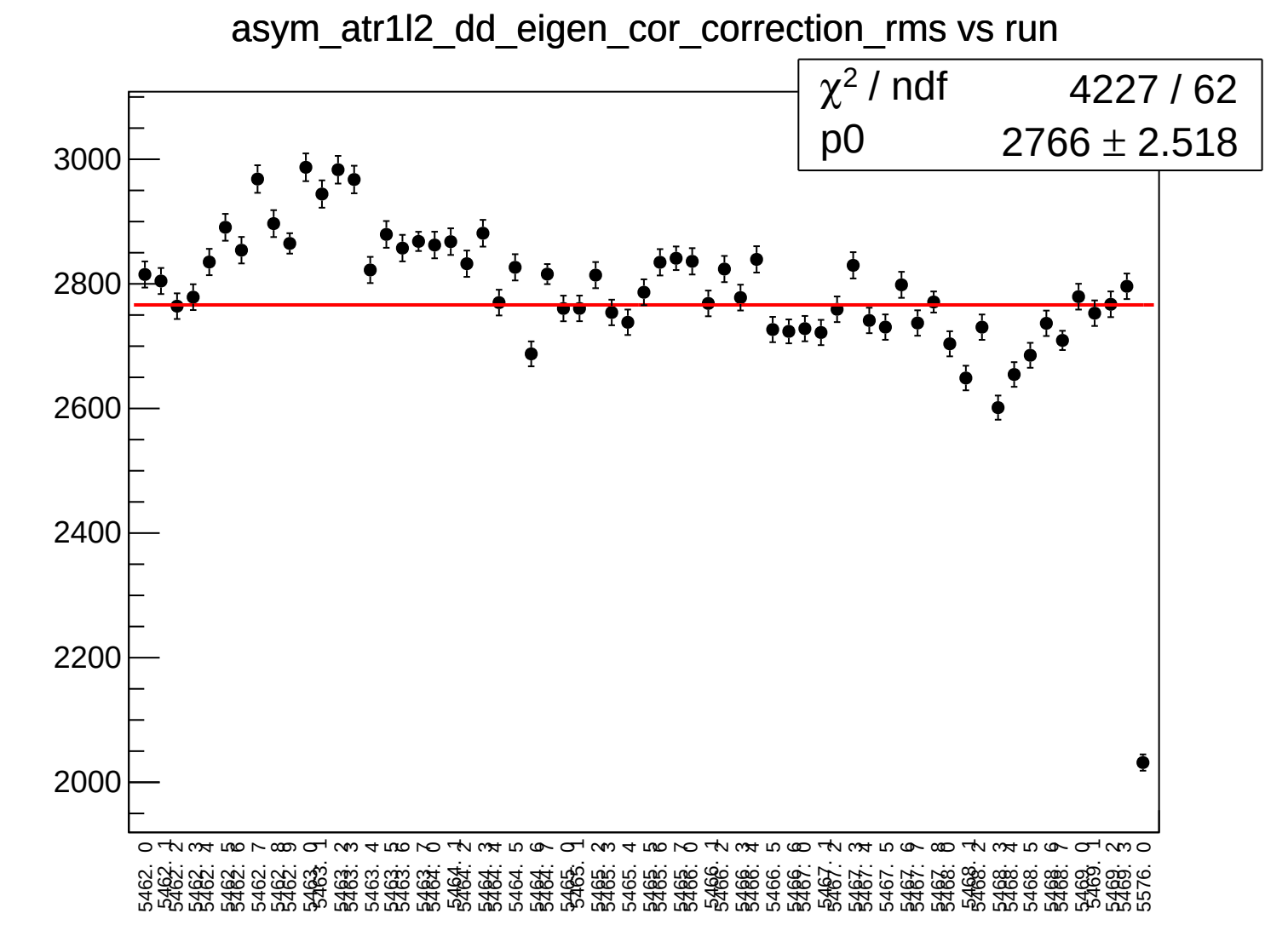

eigen_cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 73.75 / 60
p0 −2374 ± 2168
200
150
100
50
0
−50
−100
pull
Entries 61
Mean −29.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

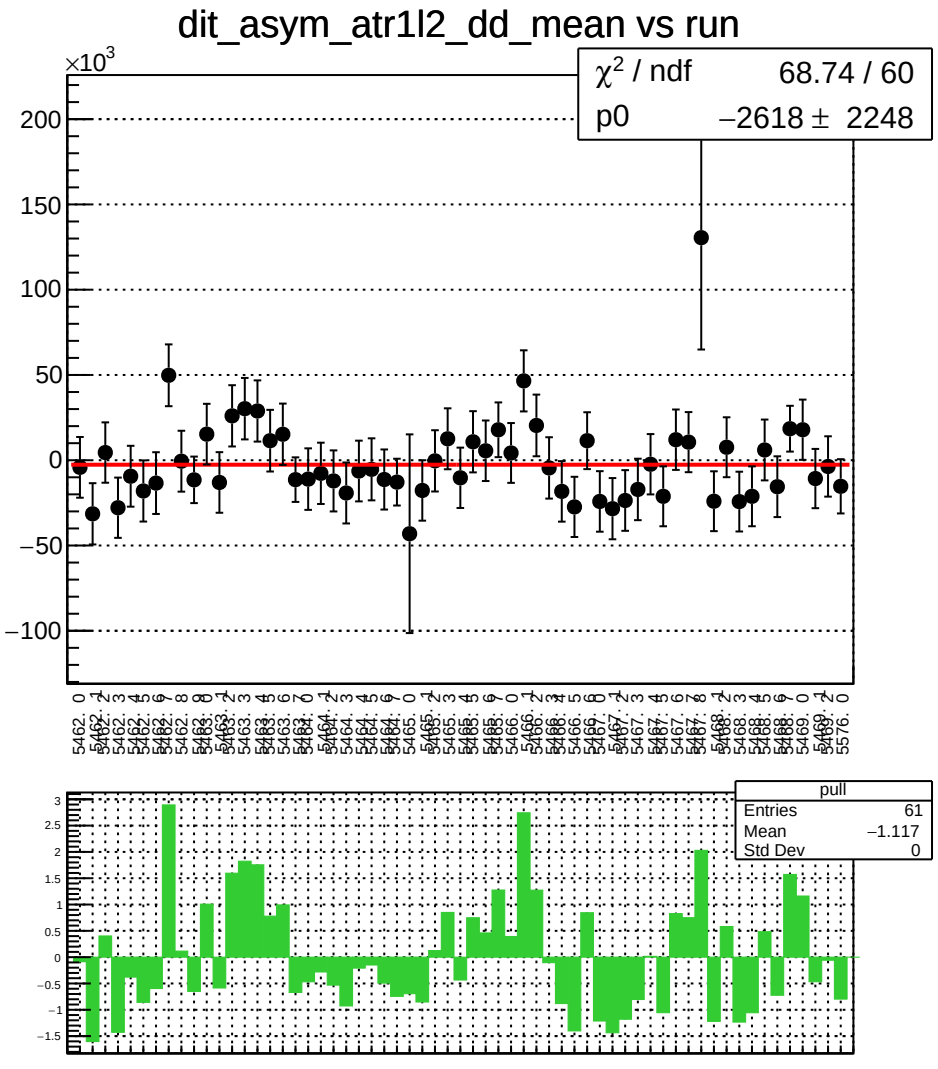

pull1D
Entries 61
Mean 0.01994
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

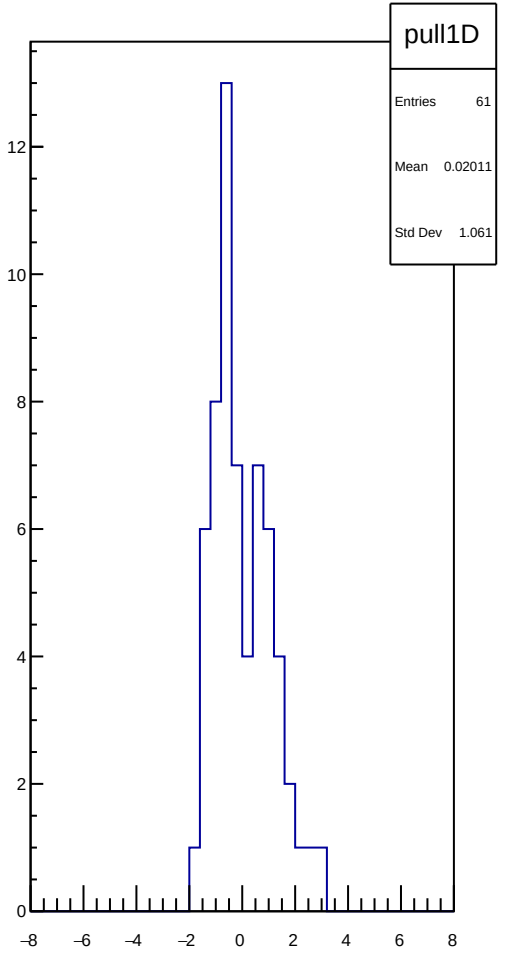

eigen_cor_asym_atr1l2_dd_rms vs run
×10^3
χ^2 / ndf 6.086e+04 / 62
p0 1644 ± 1.533
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

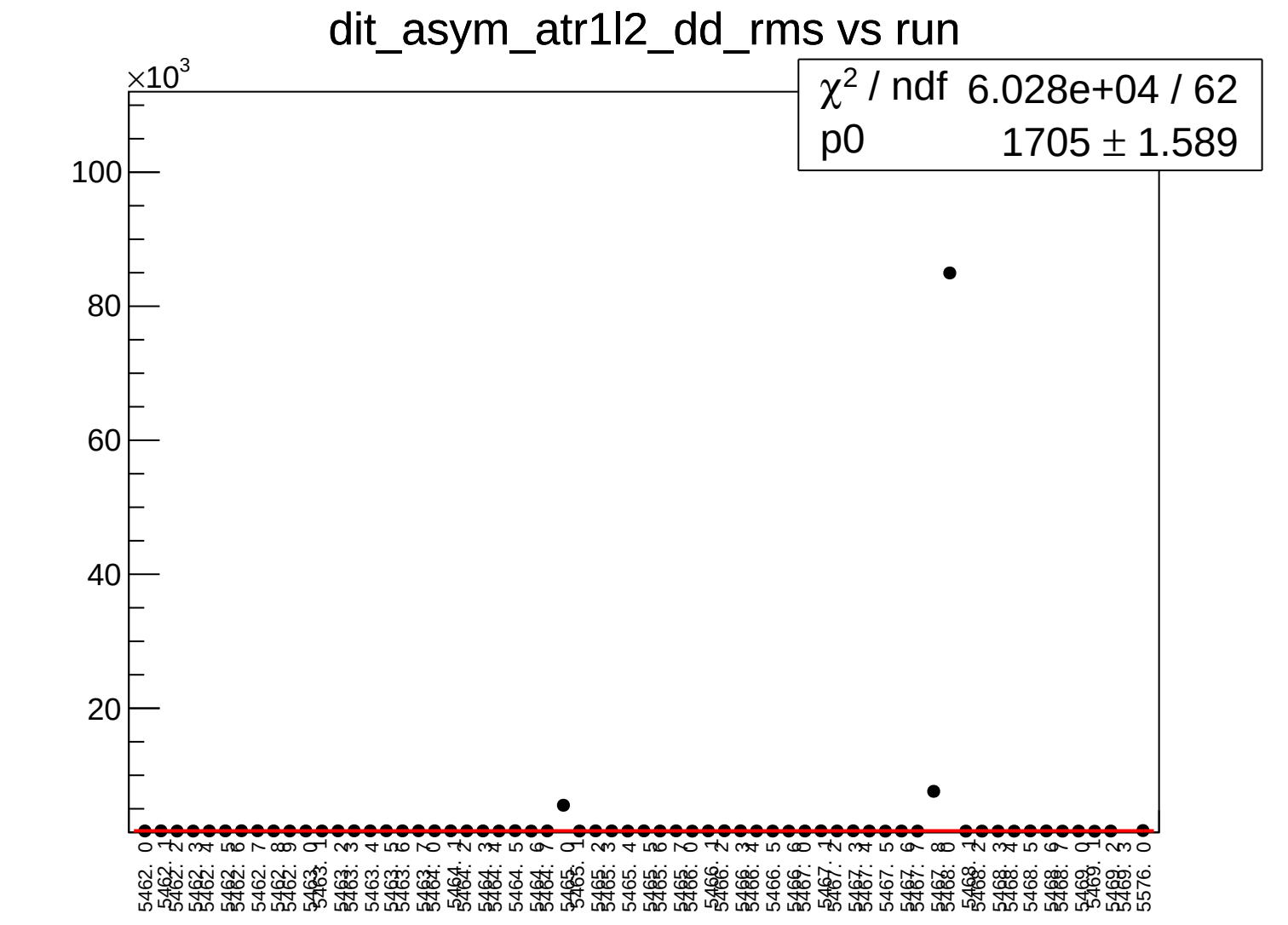

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 71.47 / 62
p0 1437 ± 3561
100
50
0
−50
−100
pull
Entries 63
Mean 942.1
Std Dev 0
2
1
0
−1
−2

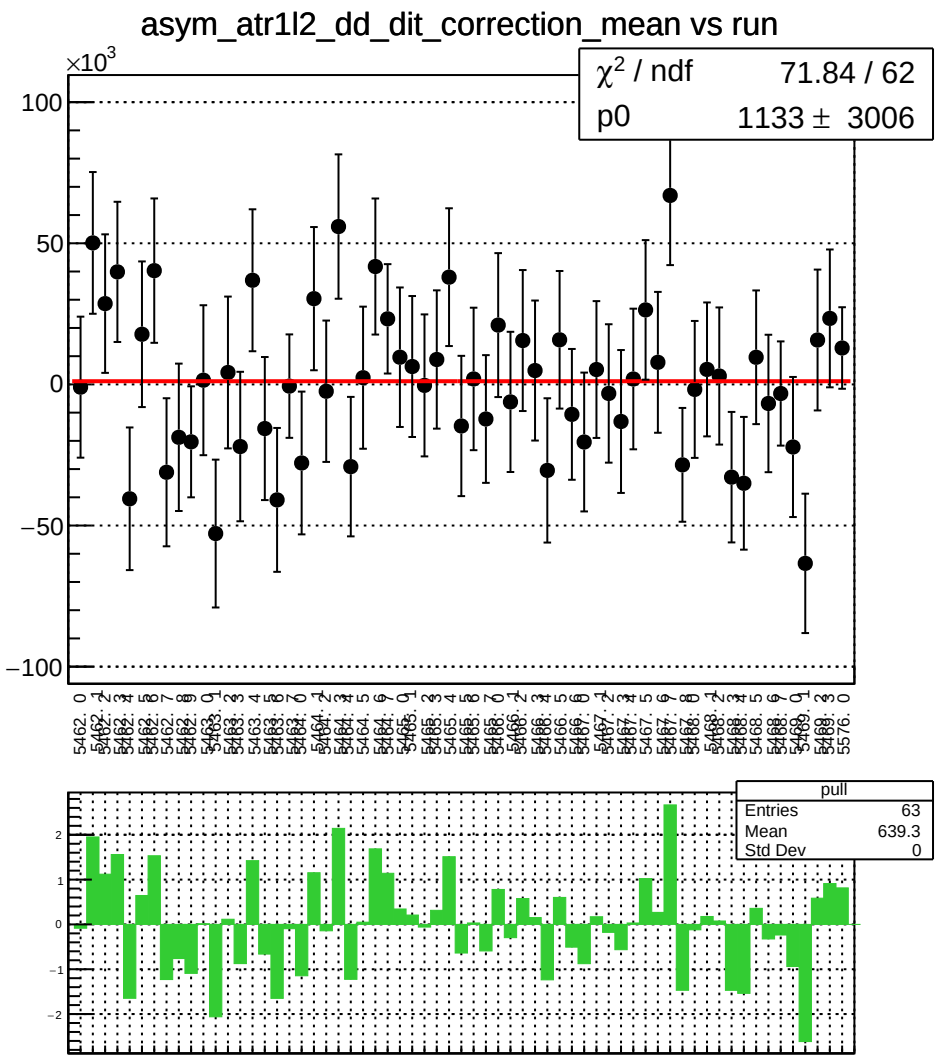

pull1D
Entries 63
Mean −0.002011
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

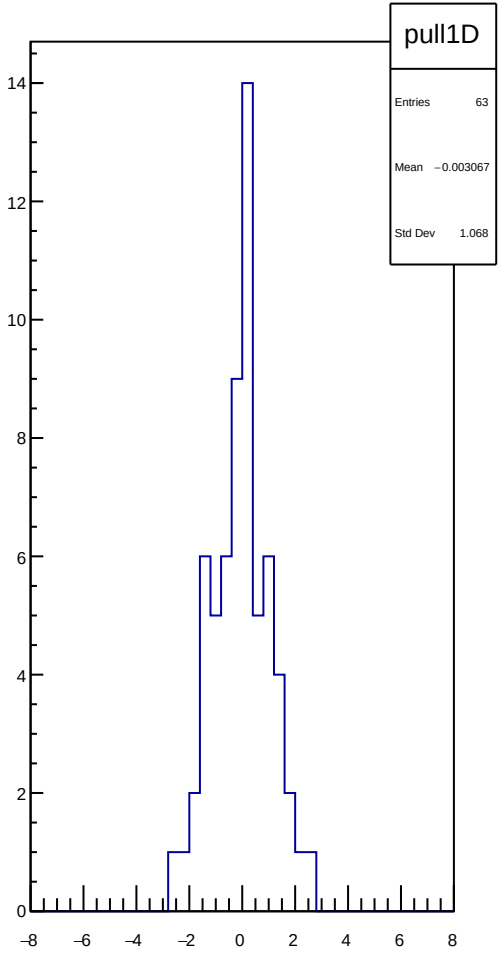

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4227 / 62
p0 2766 ± 2.518
3000
2800
2600
2400
2200
2000

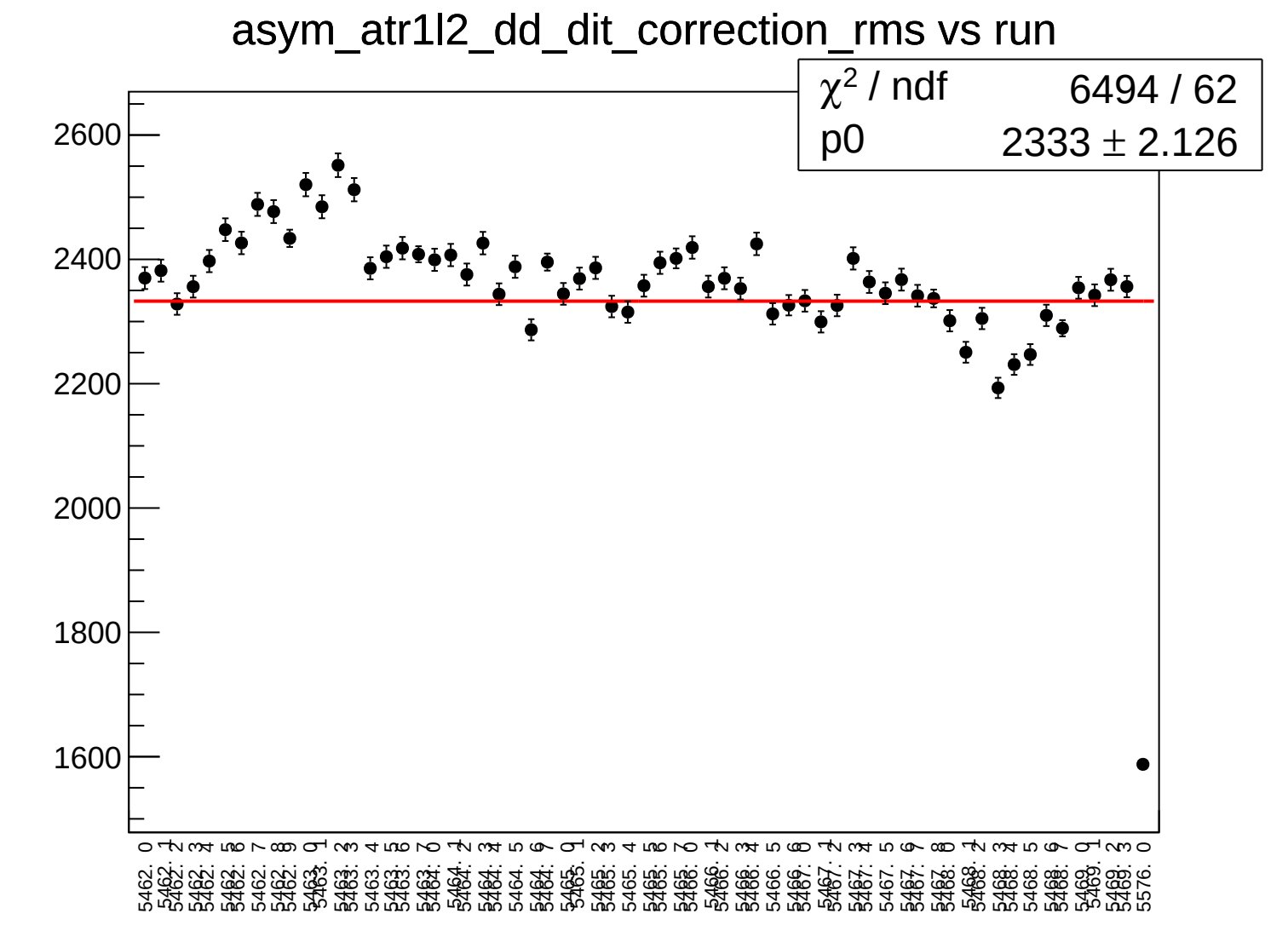

dit_asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 68.74 / 60
p0 −2618 ± 2248
pull
Entries 61
Mean −1.117
Std Dev 0

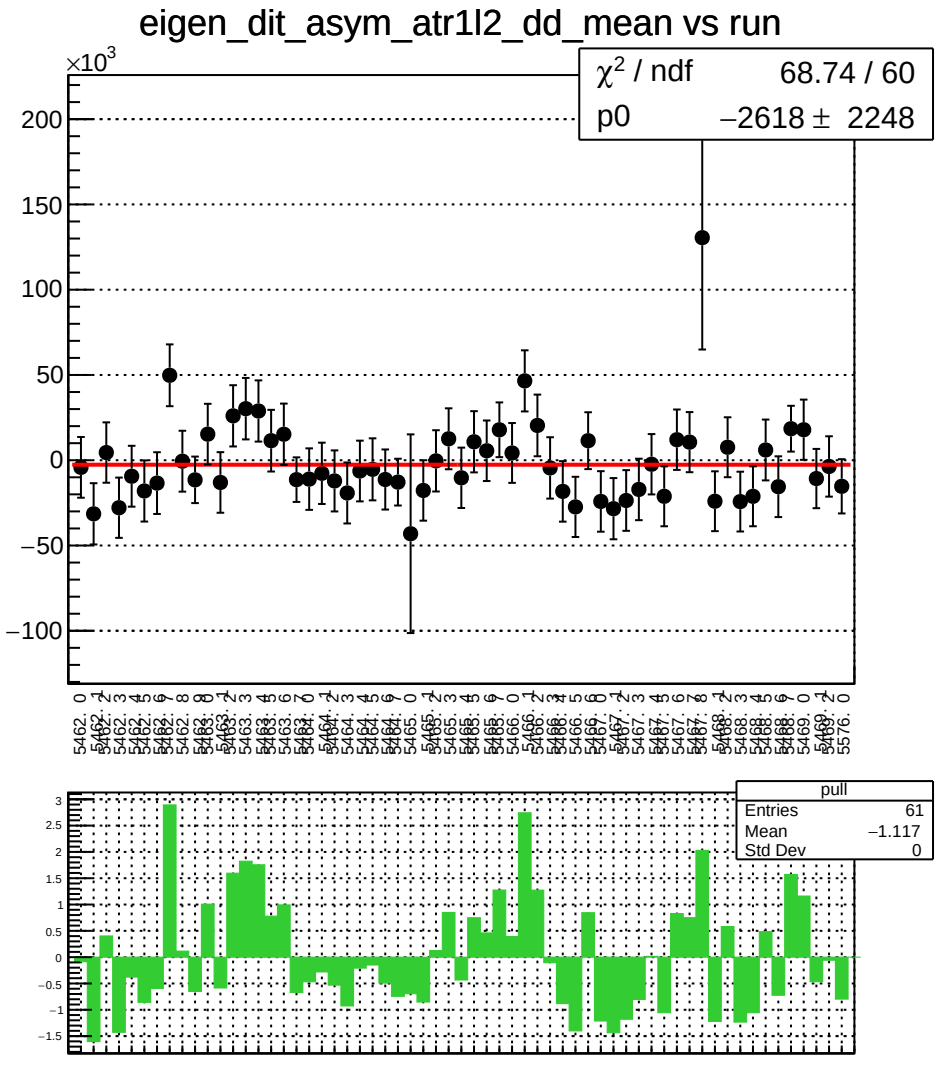

pull1D
Entries 61
Mean 0.02011
Std Dev 1.061

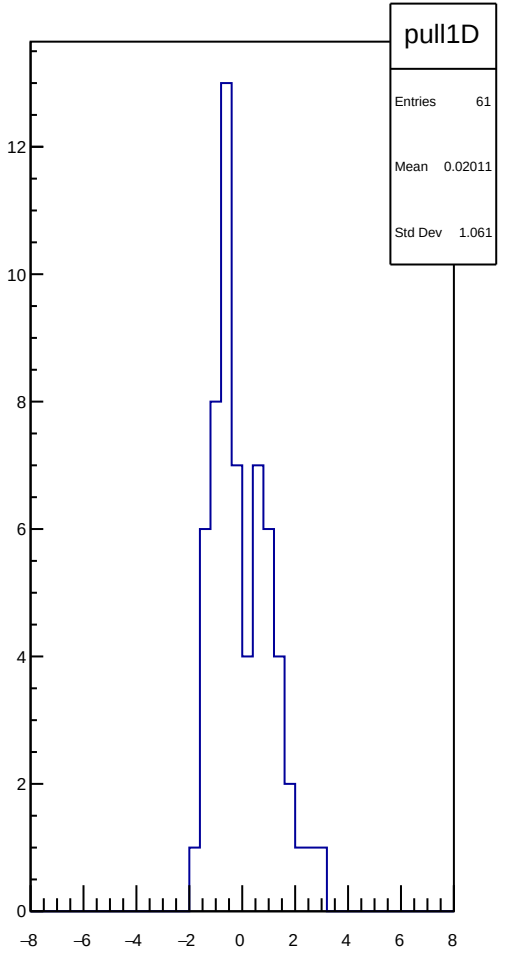

dit_asym_atr1l2_dd_rms vs run
×10^3
χ^2 / ndf 6.028e+04 / 62
p0 1705 ± 1.589
100
80
60
40
20

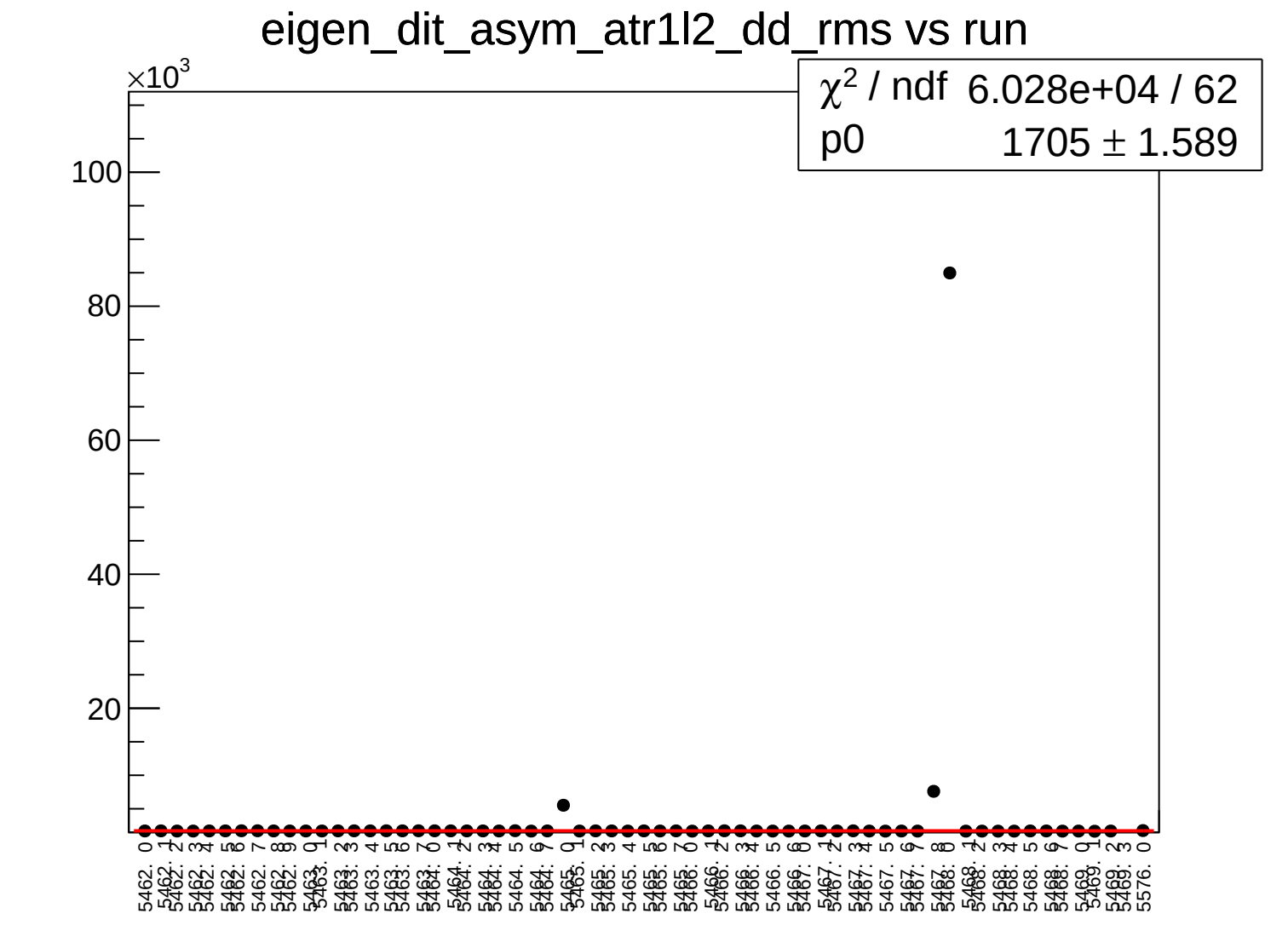

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 71.84 / 62
p0 1133 ± 3006
pull
Entries 63
Mean 639.3
Std Dev 0

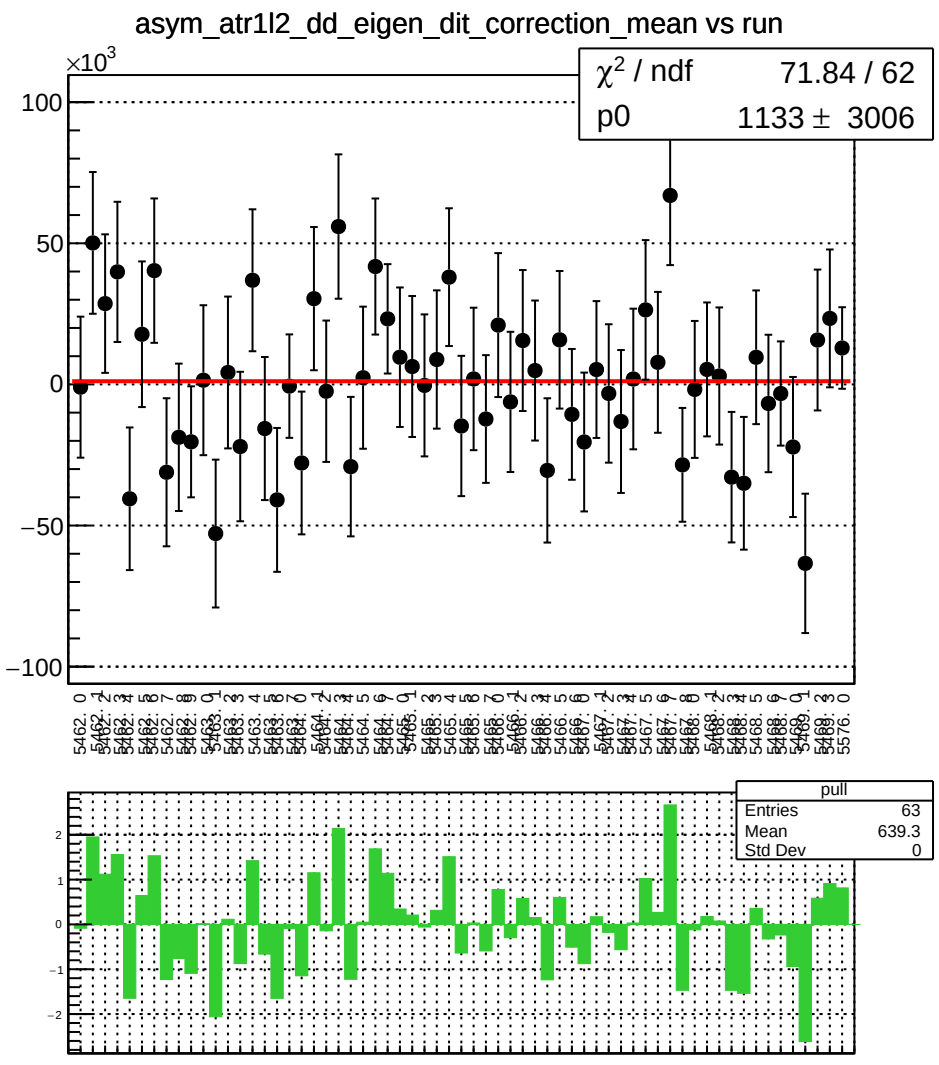

pull1D
Entries 63
Mean −0.003067
Std Dev 1.068

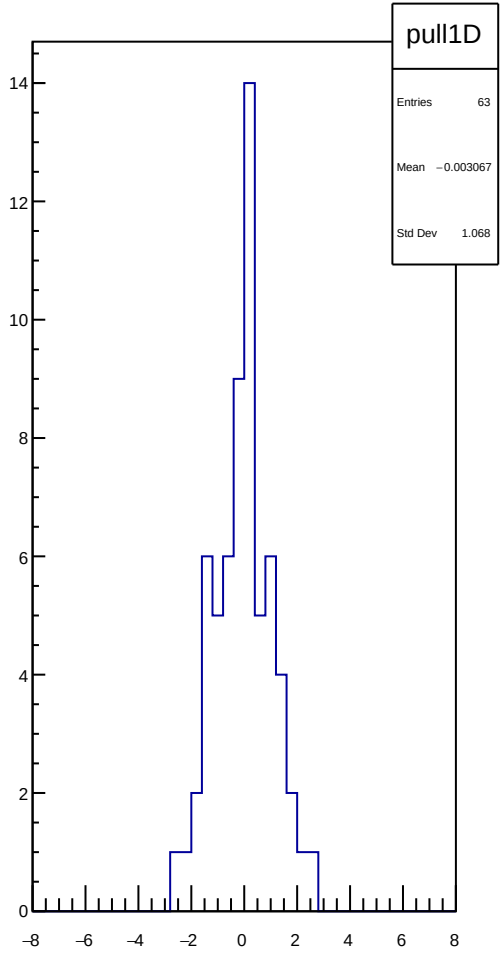

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 6494 / 62
p0 2333 ± 2.126
2600
2400
2200
2000
1800
1600

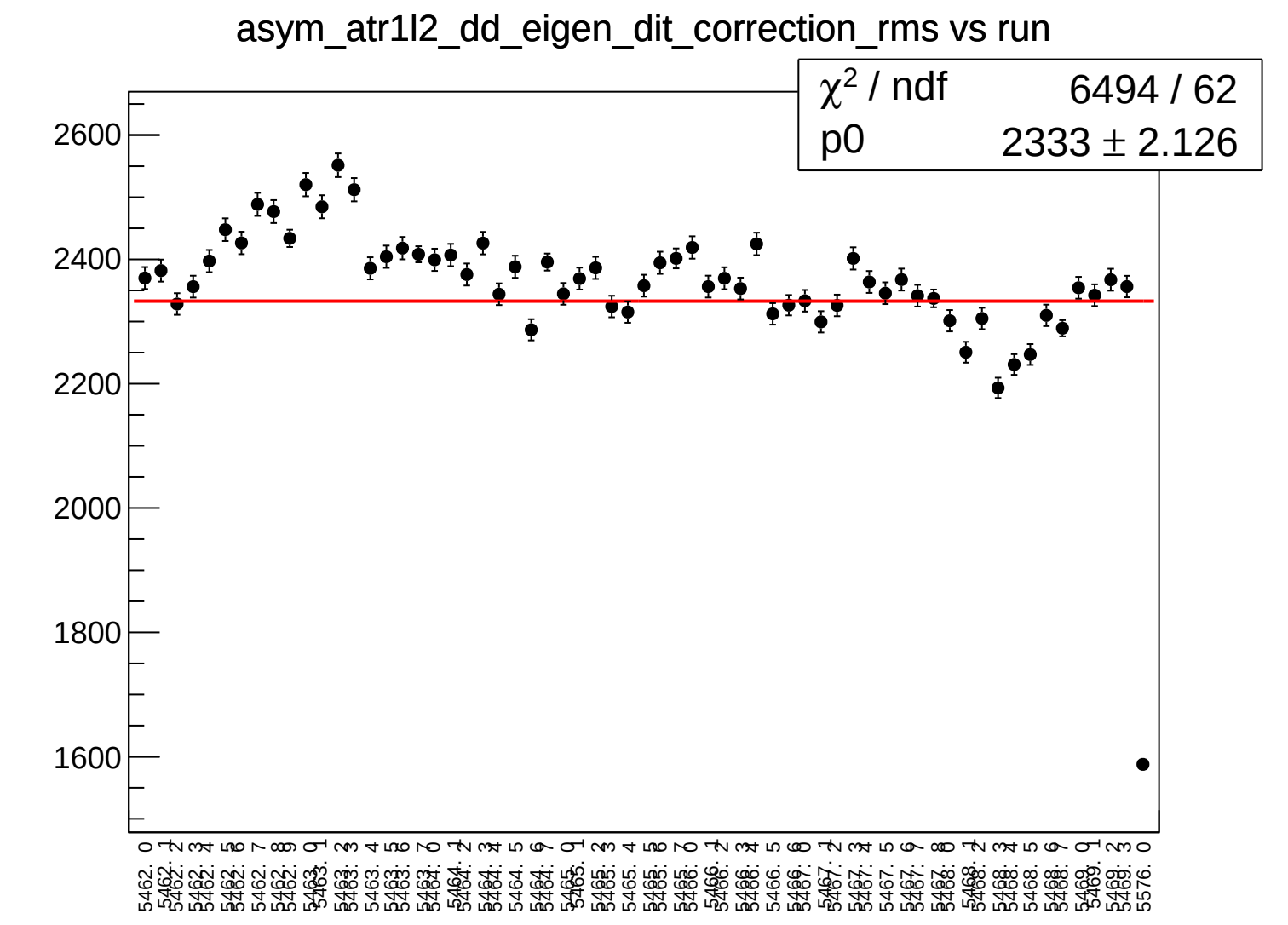

eigen_dit_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 68.74 / 60
p0 −2618 ± 2248
pull
Entries 61
Mean −1.117
Std Dev 0

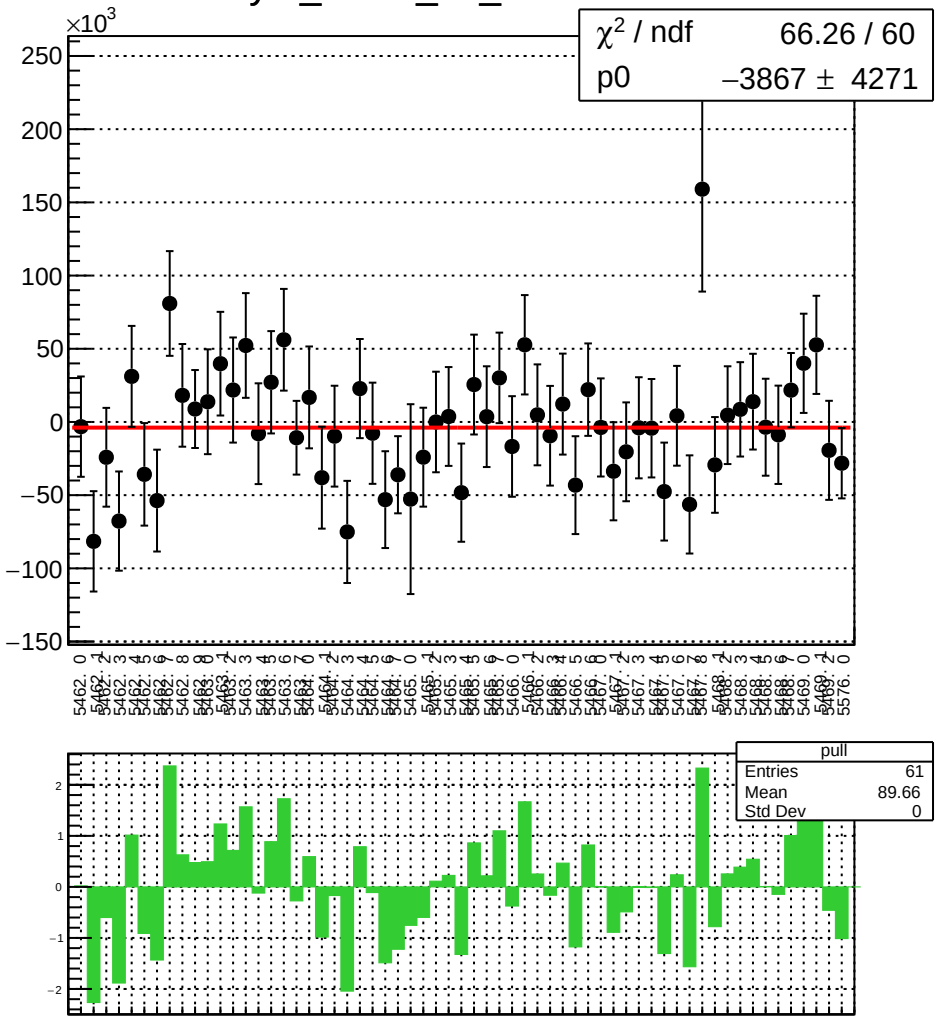

pull1D
Entries 61
Mean 0.02011
Std Dev 1.061

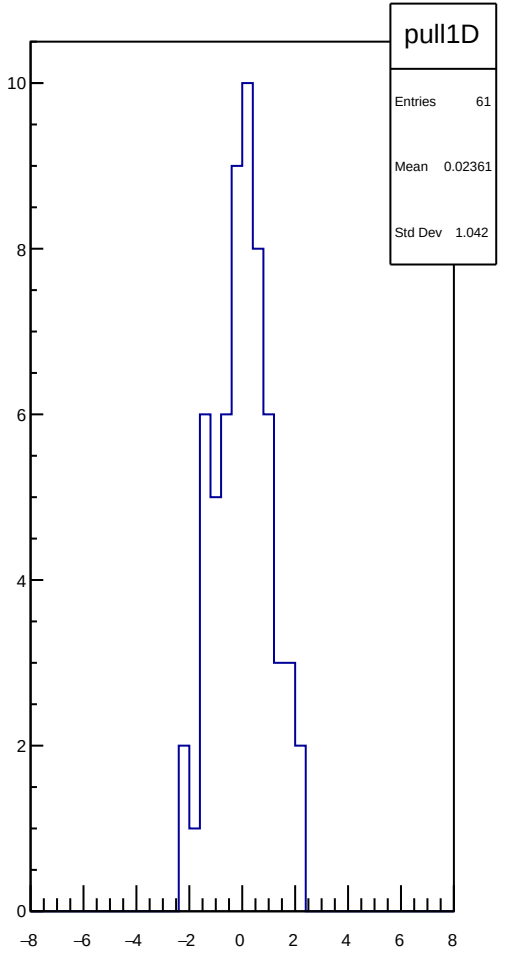

eigen_dit_asym_atr1l2_dd_rms vs run
×10^3
χ^2 / ndf 6.028e+04 / 62
p0 1705 ± 1.589
100
80
60
40
20

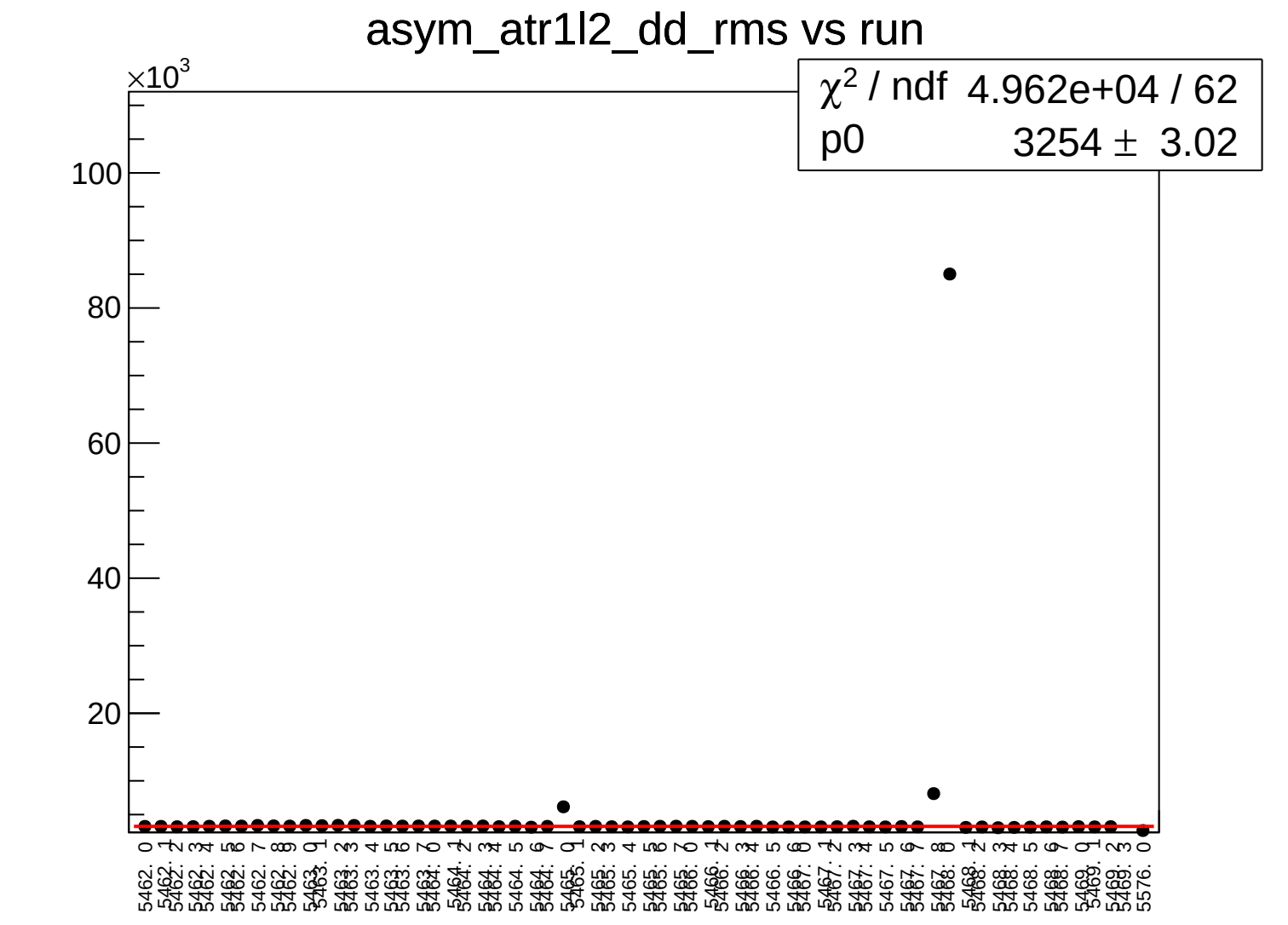

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 71.84 / 62
p0 1133 ± 3006
100
50
0
−50
−100
pull
Entries 63
Mean 639.3
Std Dev 0
2
1
0
−1
−2

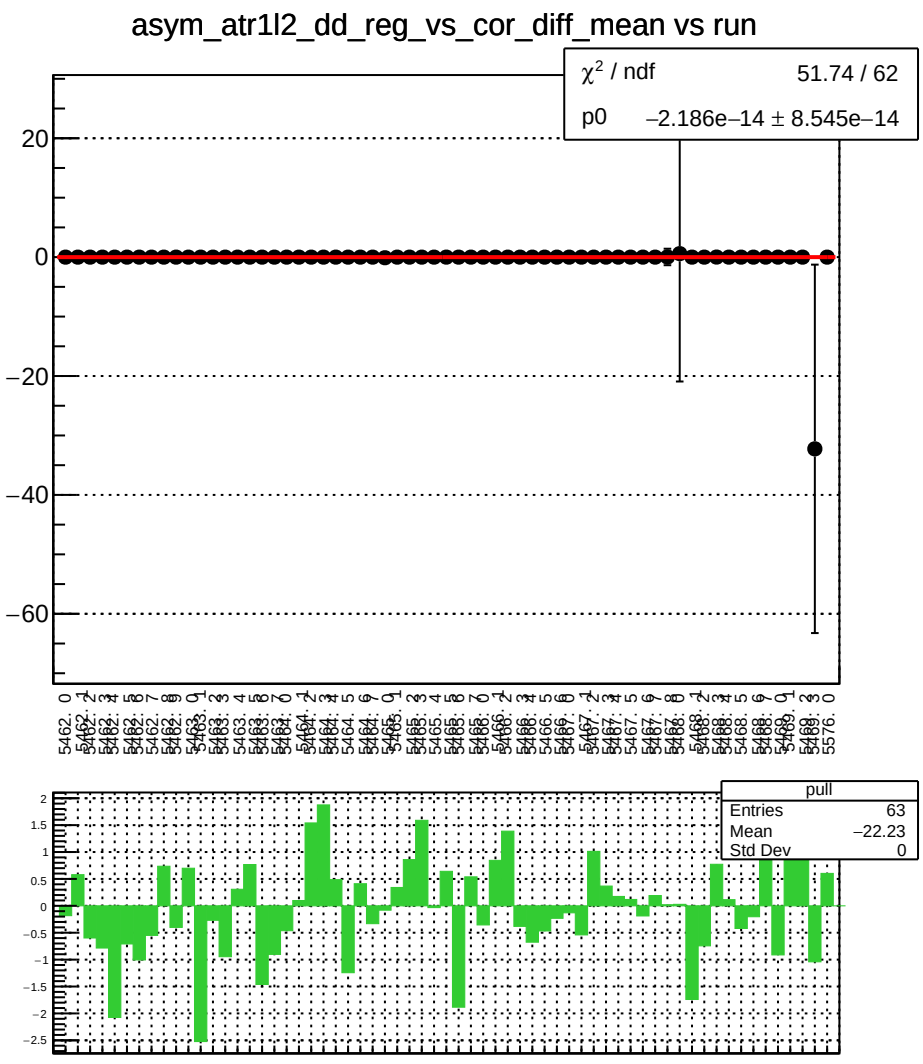

pull1D
Entries 63
Mean −0.003067
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

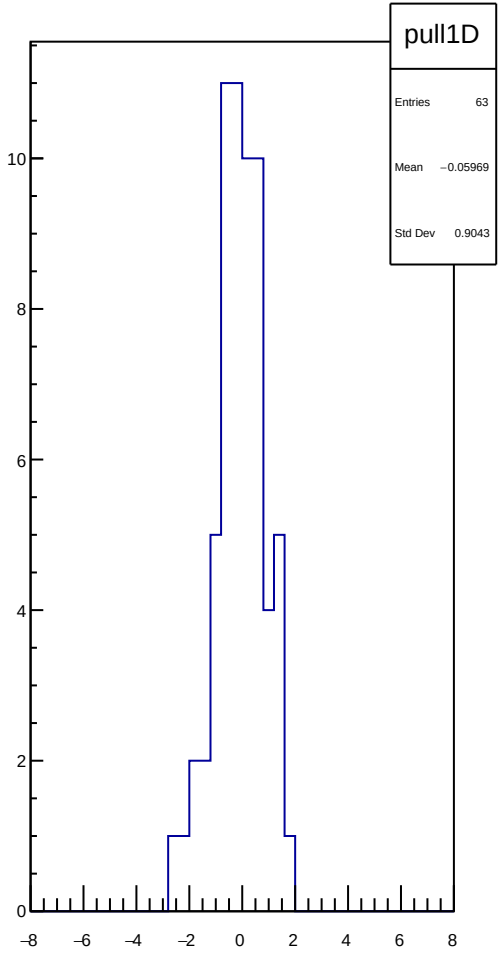

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6494 / 62
p0 2333 ± 2.126
2600
2400
2200
2000
1800
1600

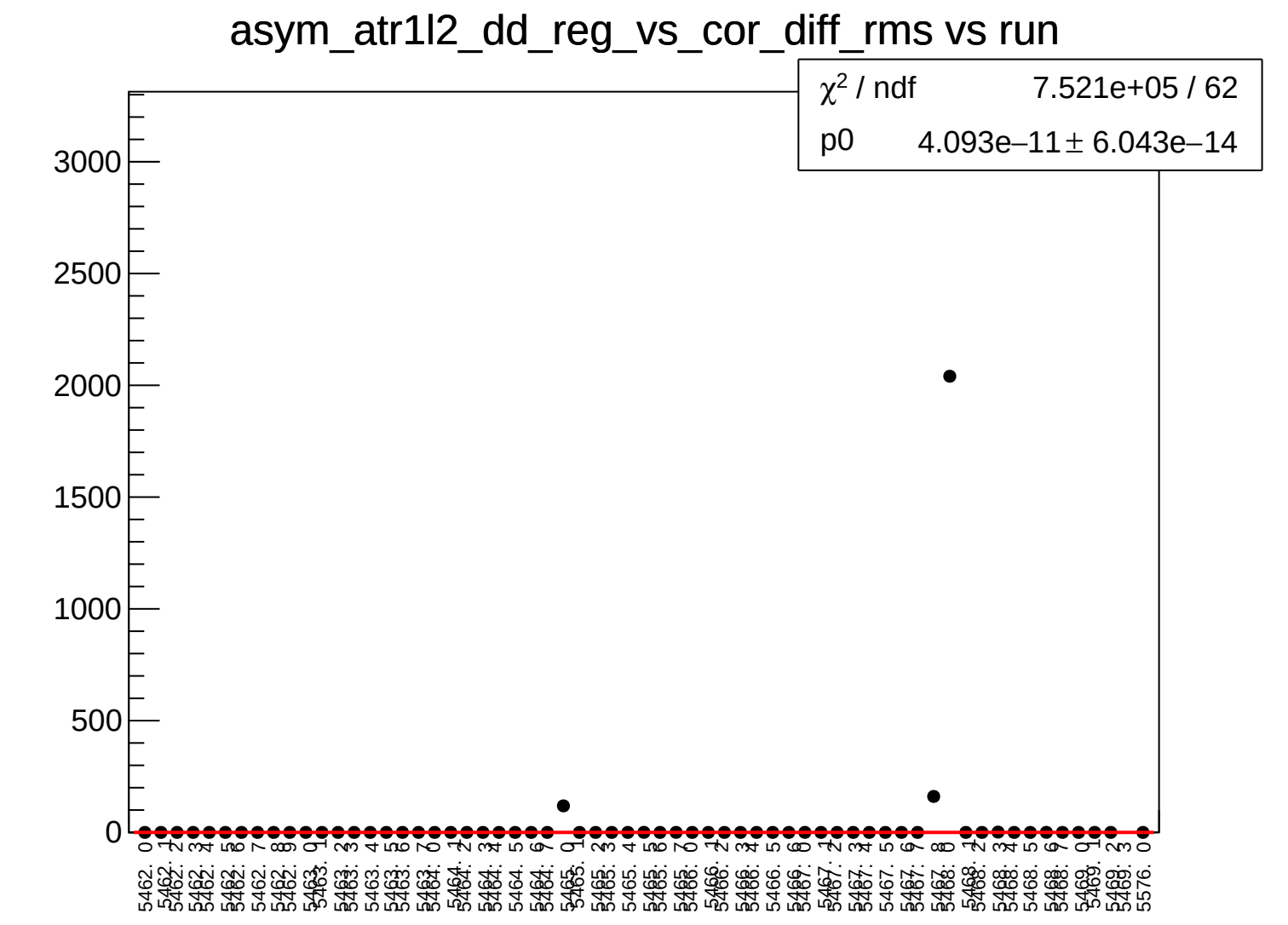

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 66.26 / 60
p0 −3867 ± 4271
pull
Entries 61
Mean 89.66
Std Dev 0

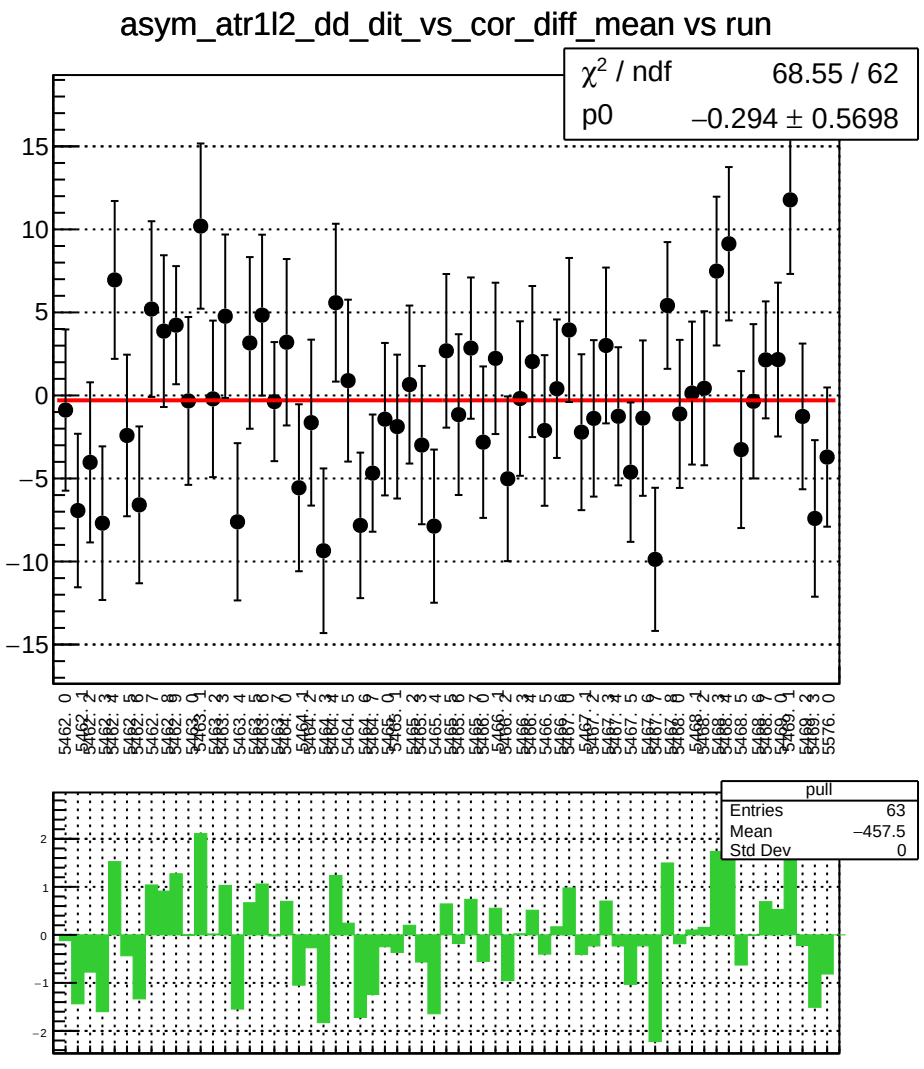

pull1D
Entries 61
Mean 0.02361
Std Dev 1.042

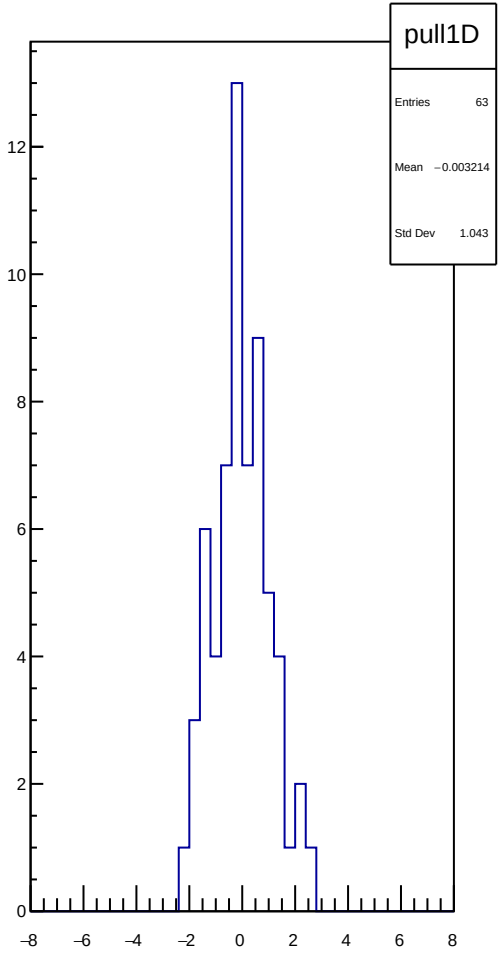

asym_atr1l2_dd_rms vs run
×10^3
χ^2 / ndf 4.962e+04 / 62
p0 3254 ± 3.02
100
80
60
40
20

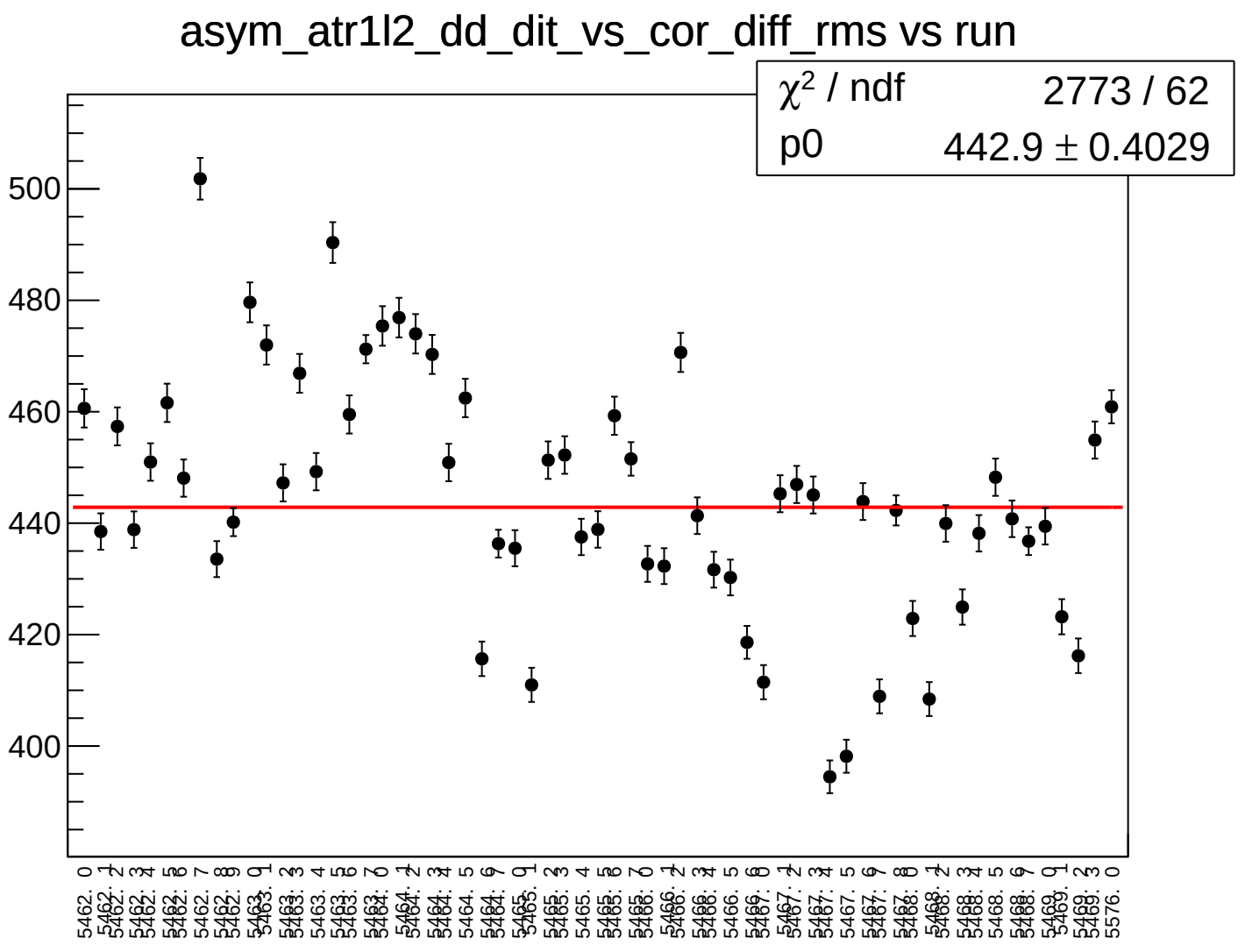

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.74 / 62
p0 −2.186e−14 ± 8.545e−14
pull
Entries 63
Mean −22.23
Std Dev 0

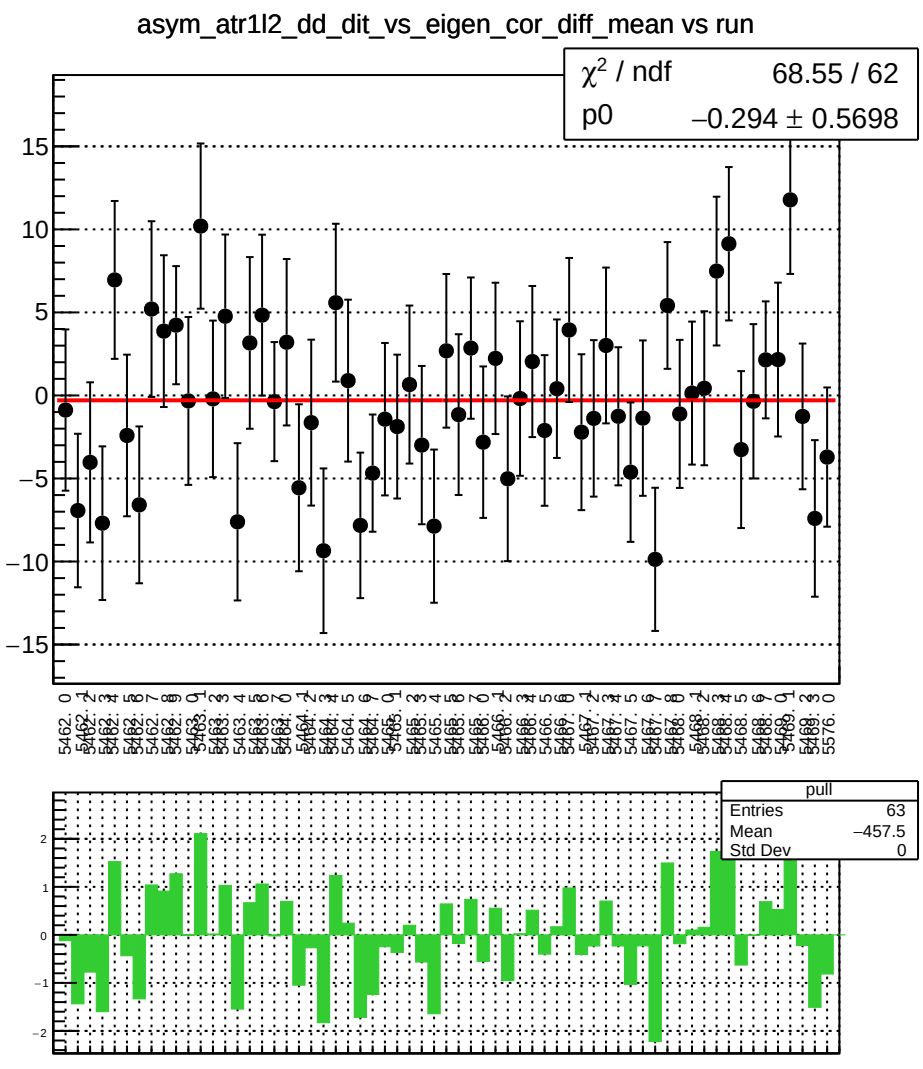

pull1D
Entries 63
Mean −0.05969
Std Dev 0.9043

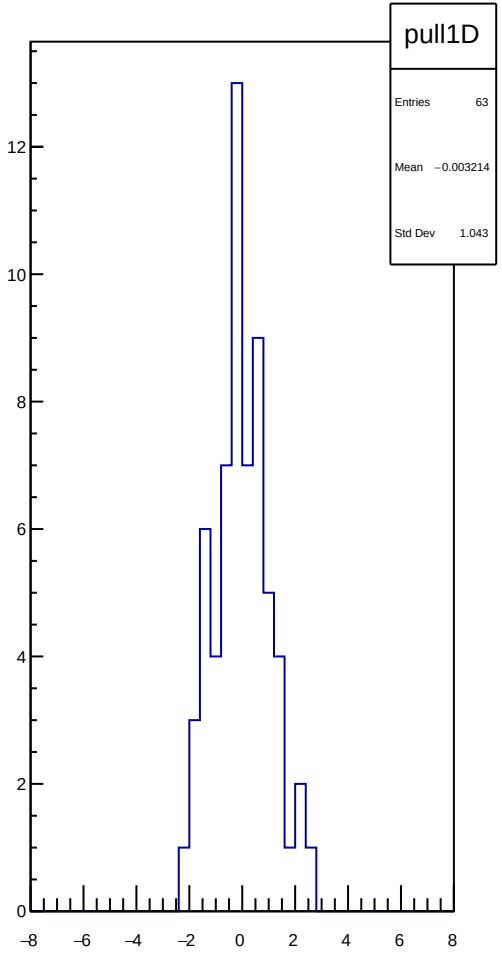

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.521e+05 / 62
p0 4.093e−11 ± 6.043e−14
3000
2500
2000
1500
1000
500
0

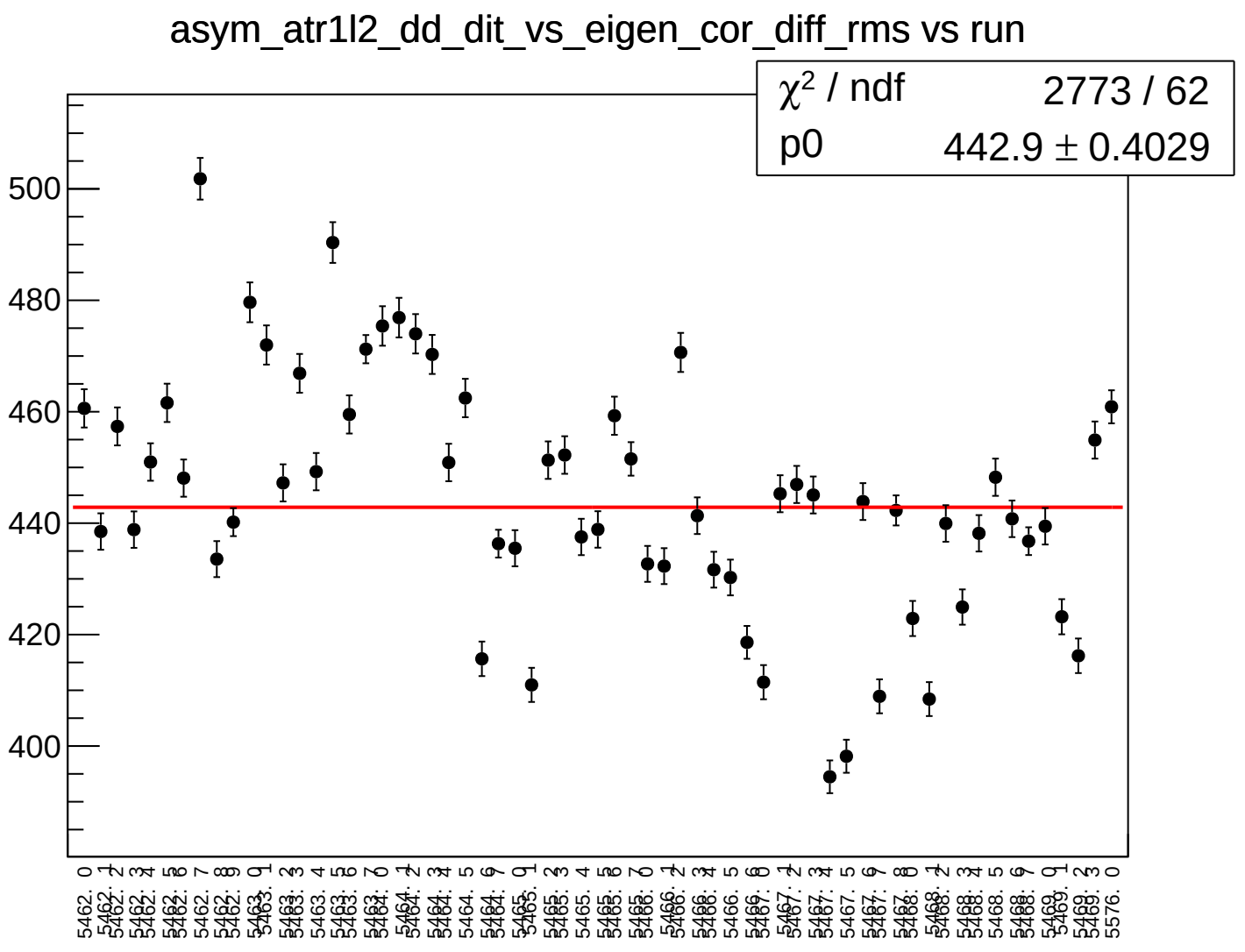

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.55 / 62
p0 −0.294 ± 0.5698
pull
Entries 63
Mean −457.5
Std Dev 0

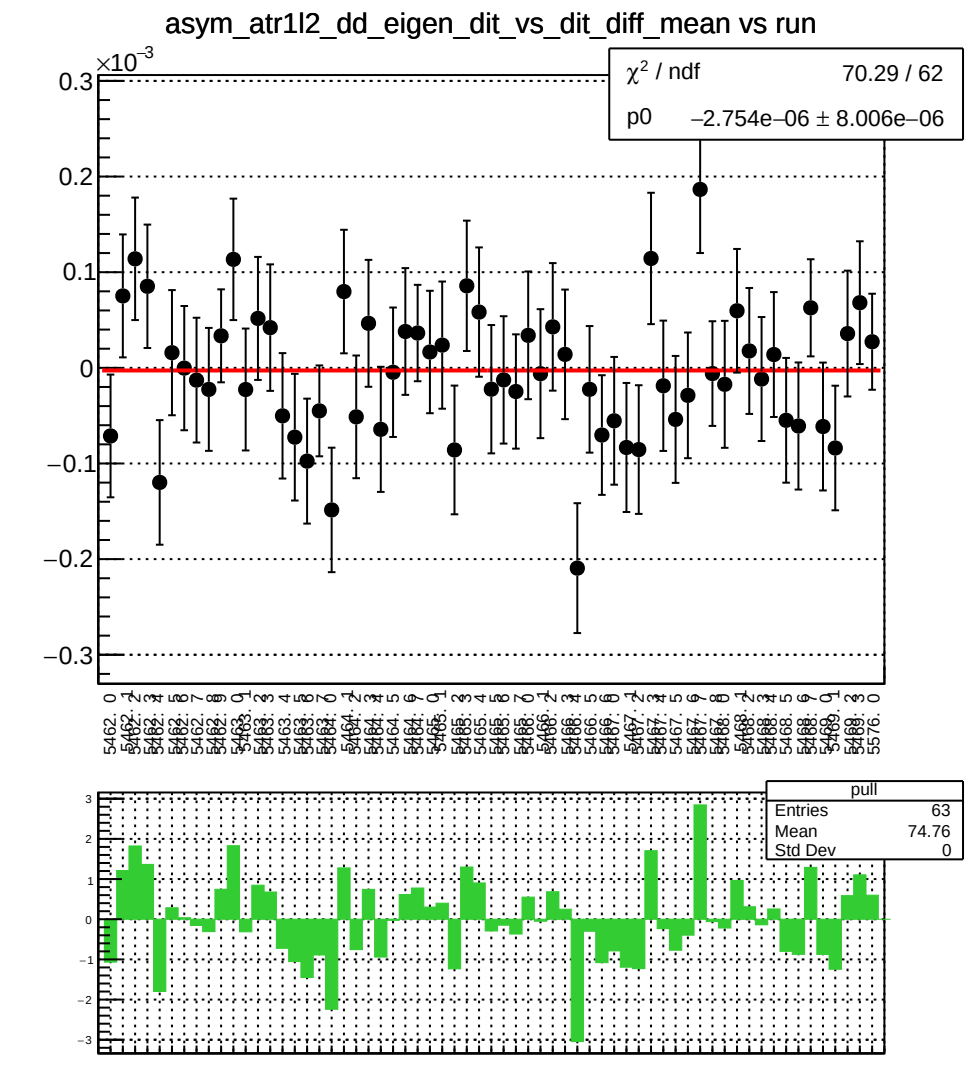

pull1D
Entries 63
Mean −0.003214
Std Dev 1.043

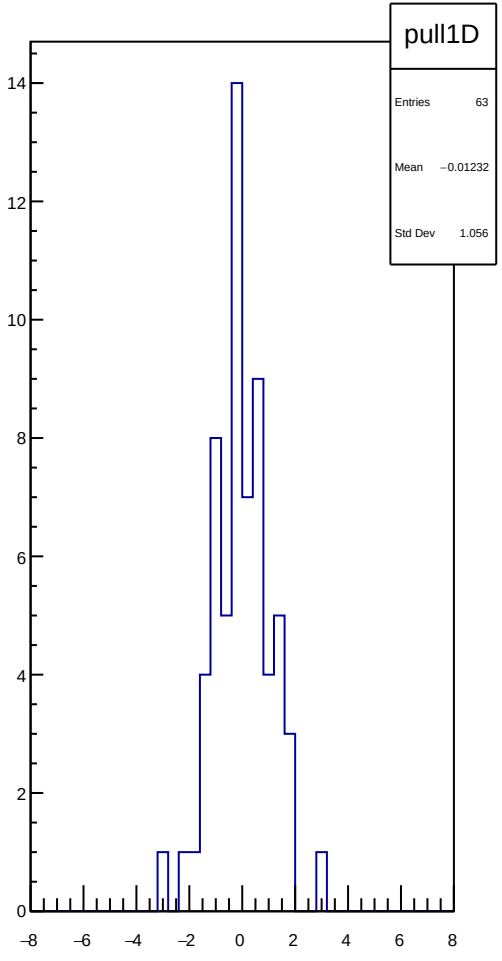

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2773 / 62
p0 442.9 ± 0.4029
500
480
460
440
420
400

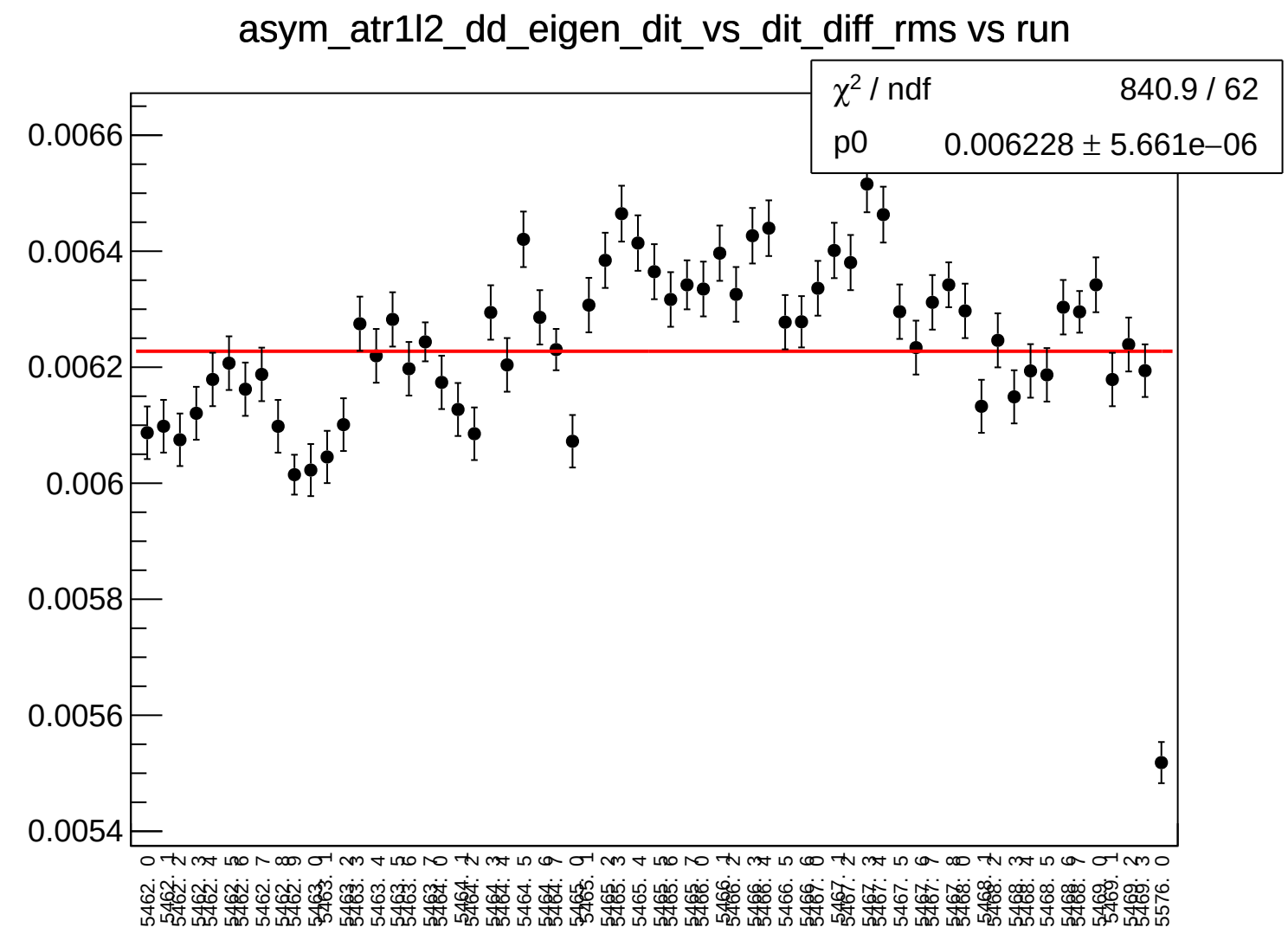

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.55 / 62
p0 −0.294 ± 0.5698
pull
Entries 63
Mean −457.5
Std Dev 0

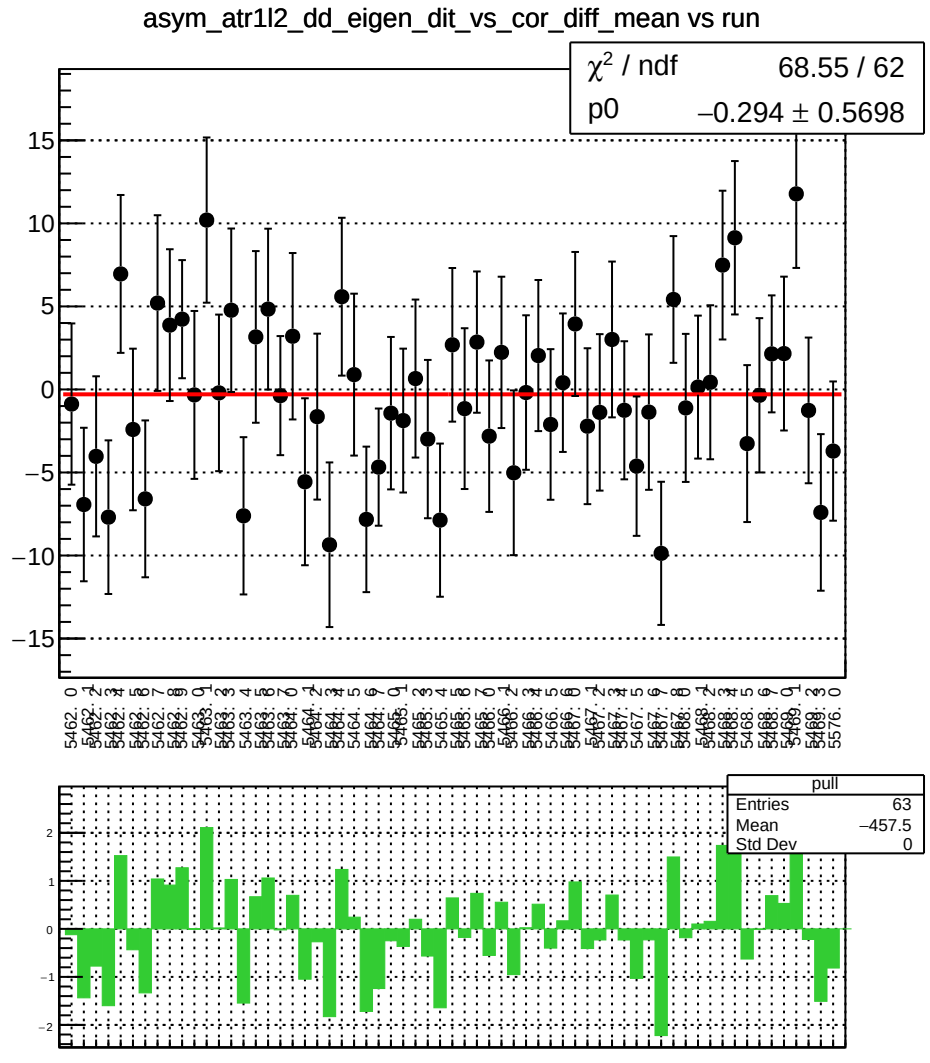

pull1D
Entries 63
Mean −0.003214
Std Dev 1.043

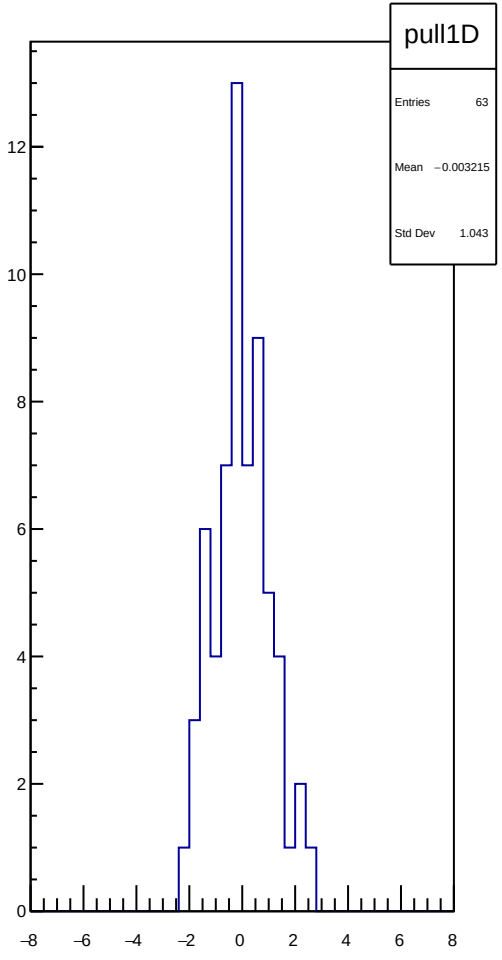

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2773 / 62
p0 442.9 ± 0.4029
500
480
460
440
420
400

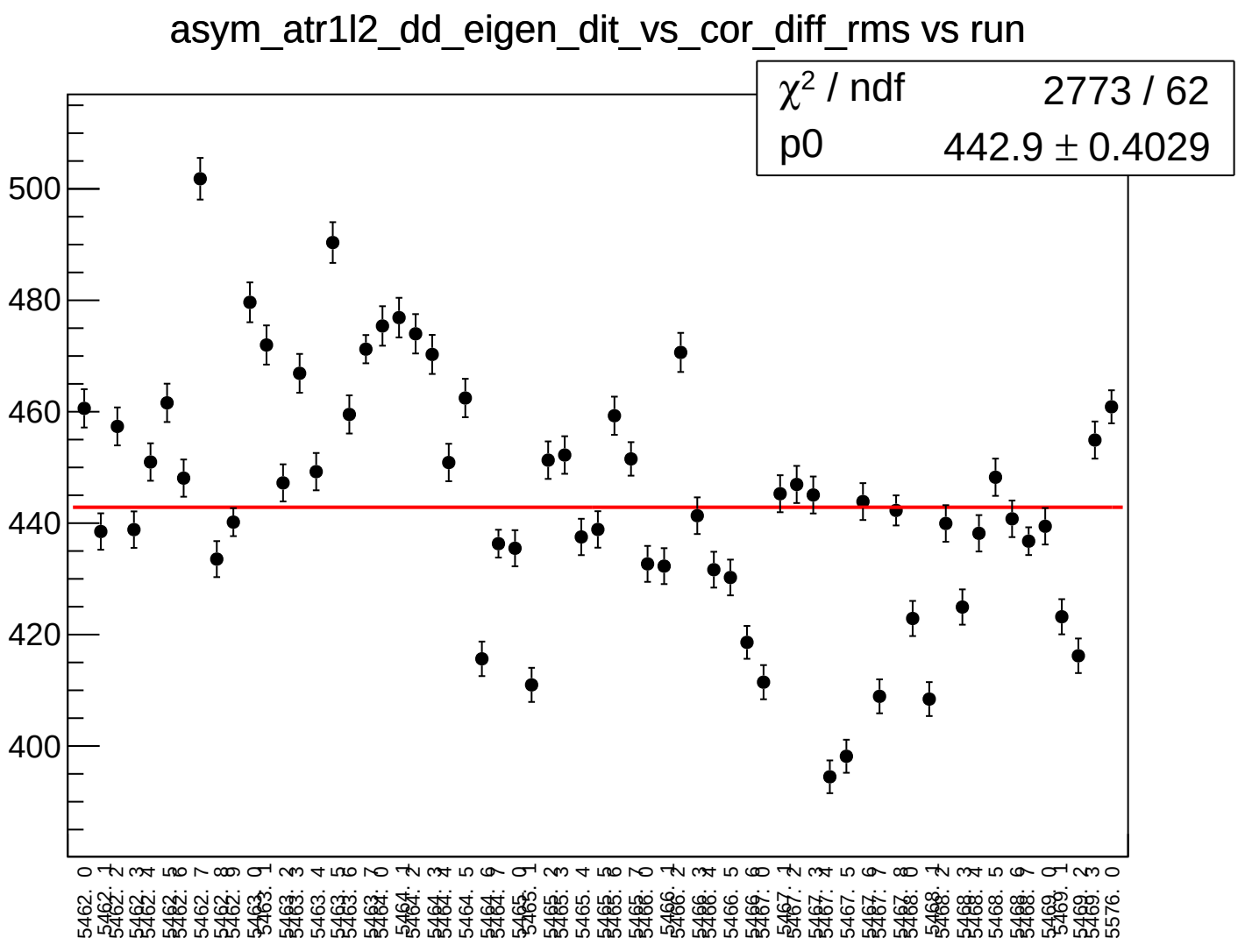

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.29 / 62
p0 −2.754e−06 ± 8.006e−06
pull
Entries 63
Mean 74.76
Std Dev 0

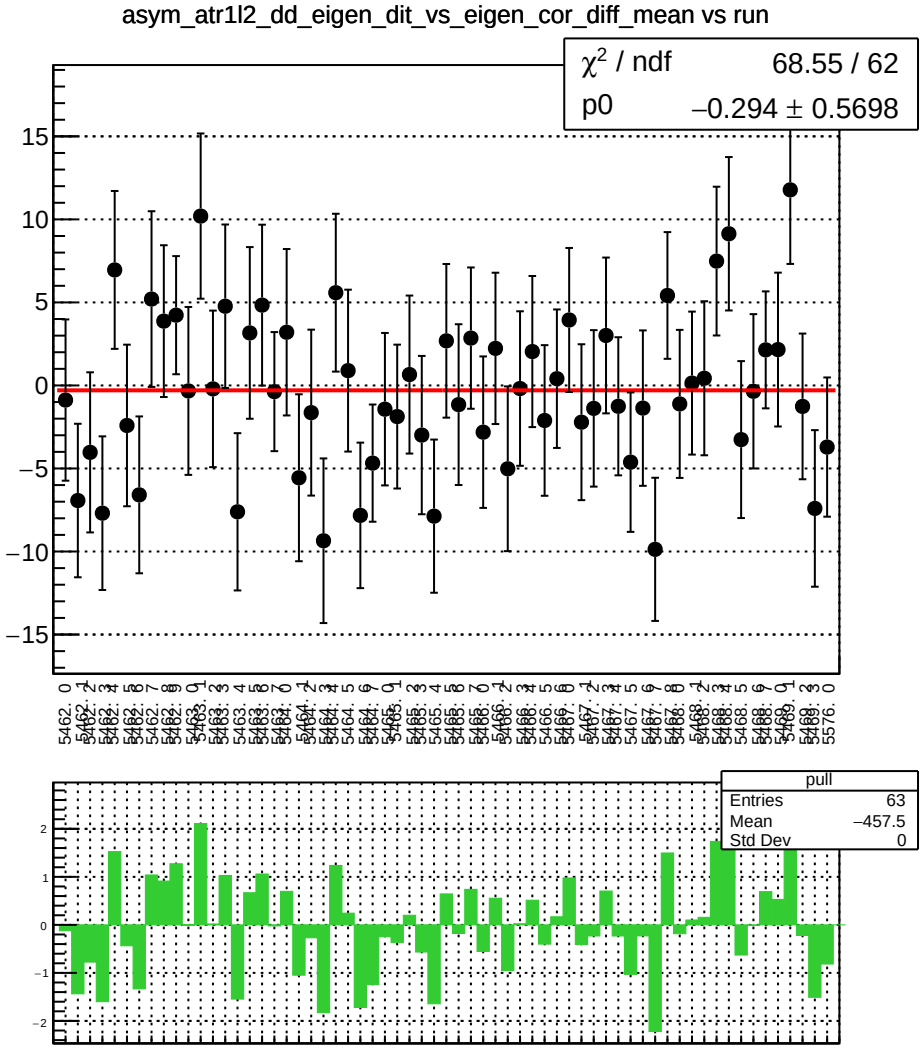

pull1D
Entries 63
Mean −0.01232
Std Dev 1.056

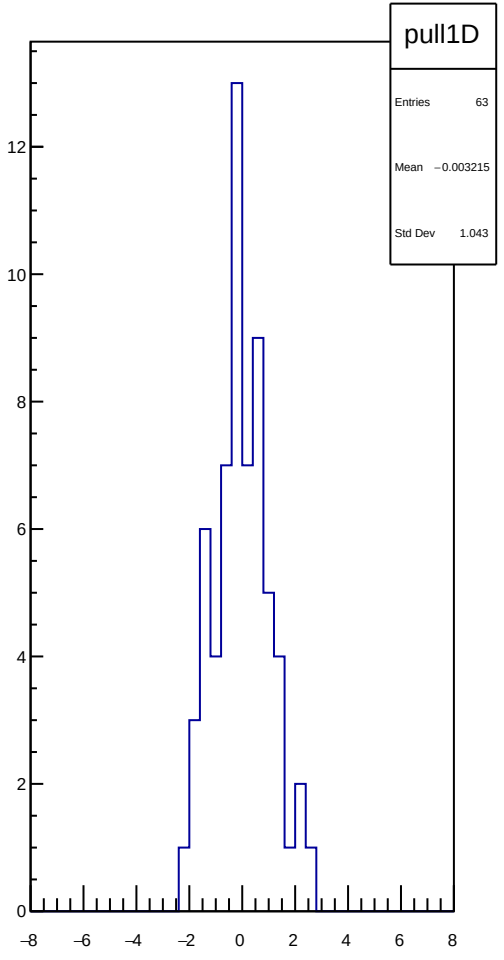

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 840.9 / 62
p0 0.006228 ± 5.661e−06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054

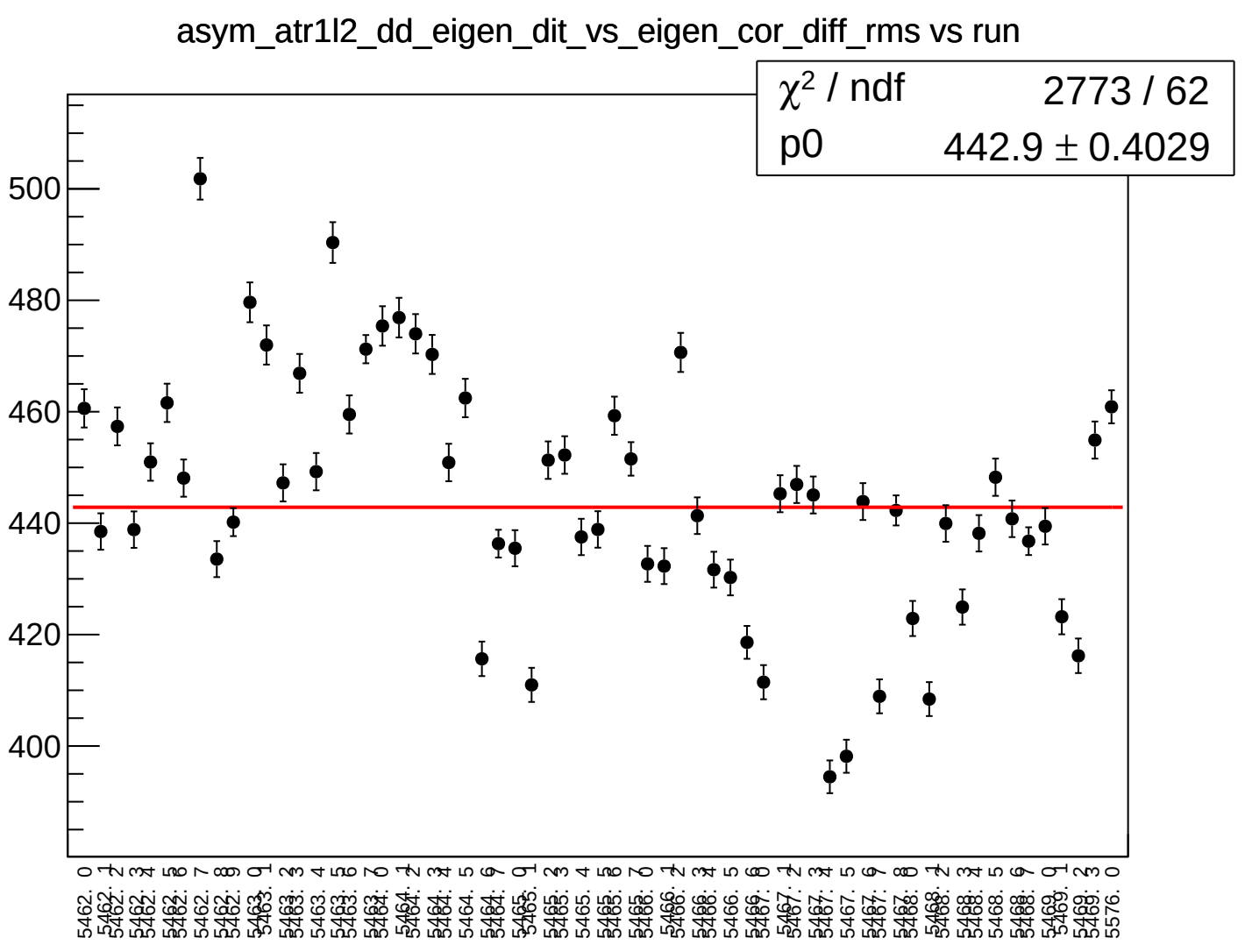

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.55 / 62
p0 −0.294 ± 0.5698
pull
Entries 63
Mean −457.5
Std Dev 0

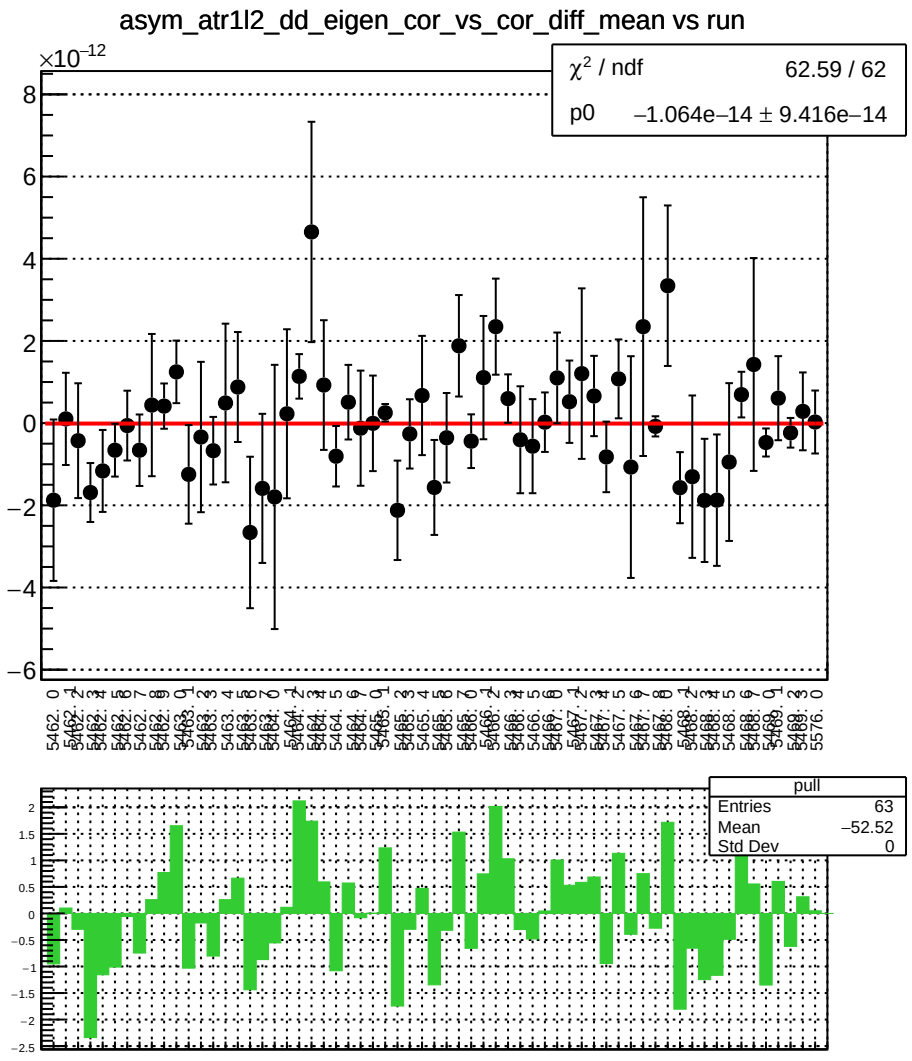

pull1D
Entries 63
Mean −0.003215
Std Dev 1.043

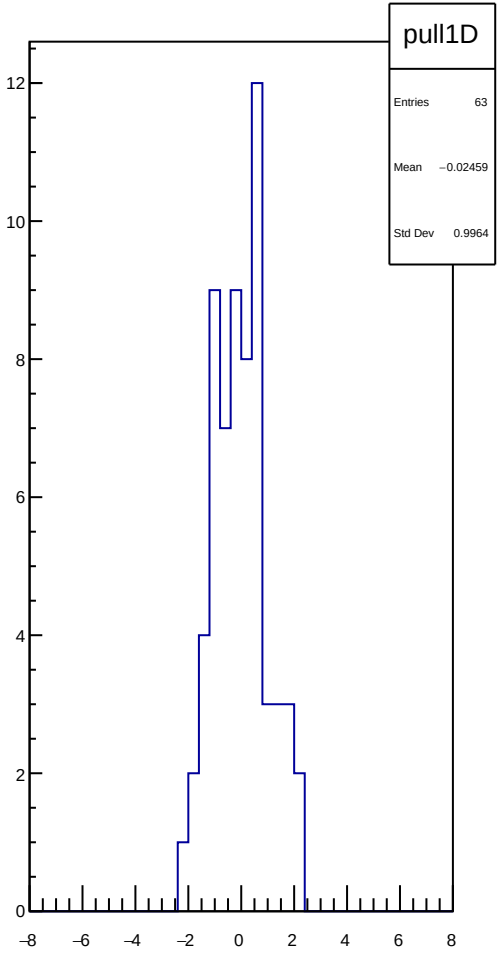

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2773 / 62
p0 442.9 ± 0.4029
500
480
460
440
420
400

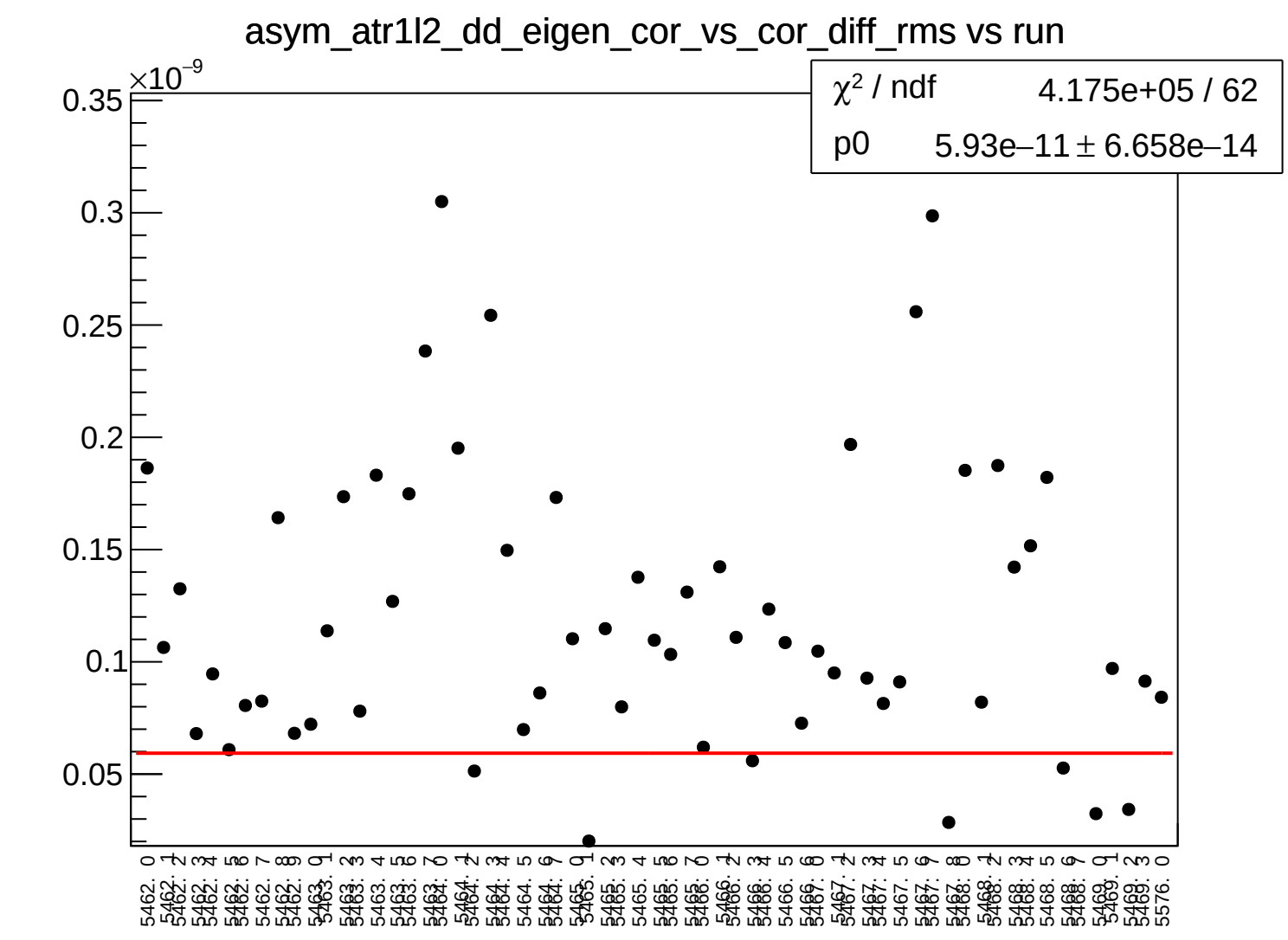

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.55 / 62
p0 −0.294 ± 0.5698
pull
Entries 63
Mean −457.5
Std Dev 0

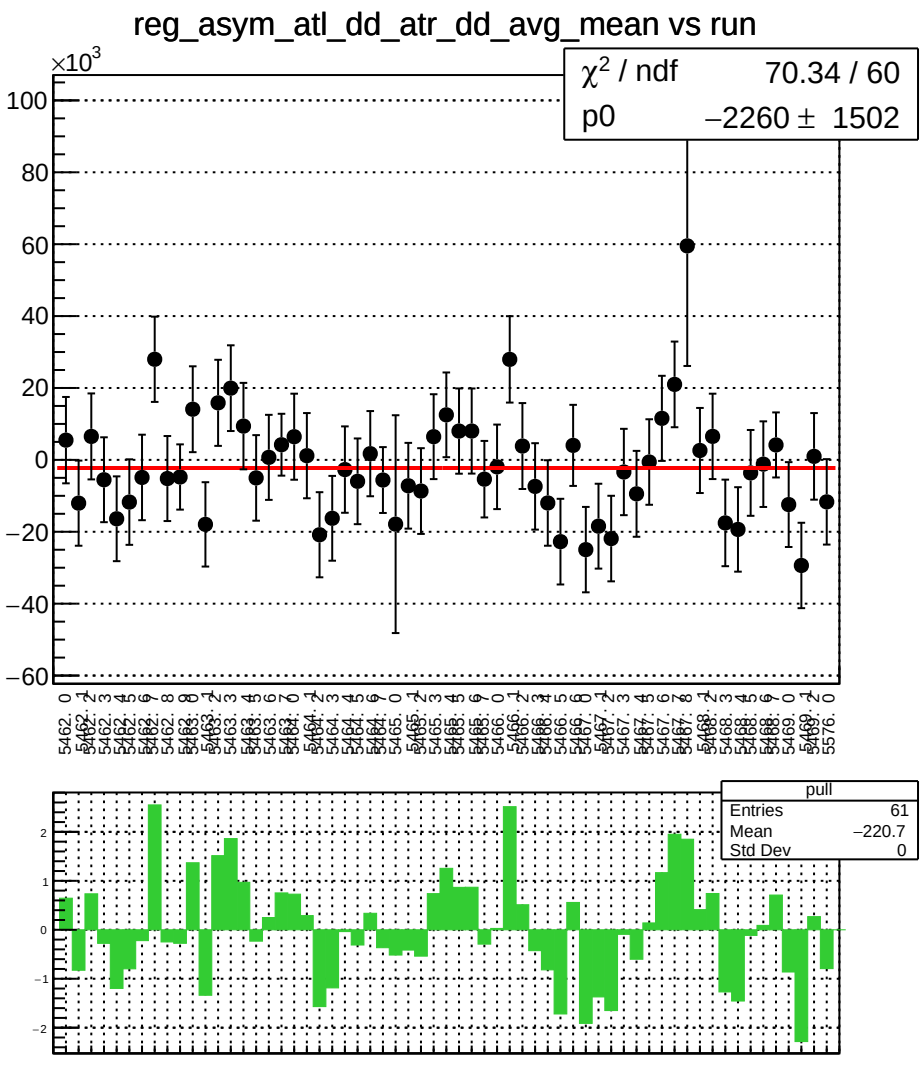

pull1D
Entries 63
Mean −0.003215
Std Dev 1.043

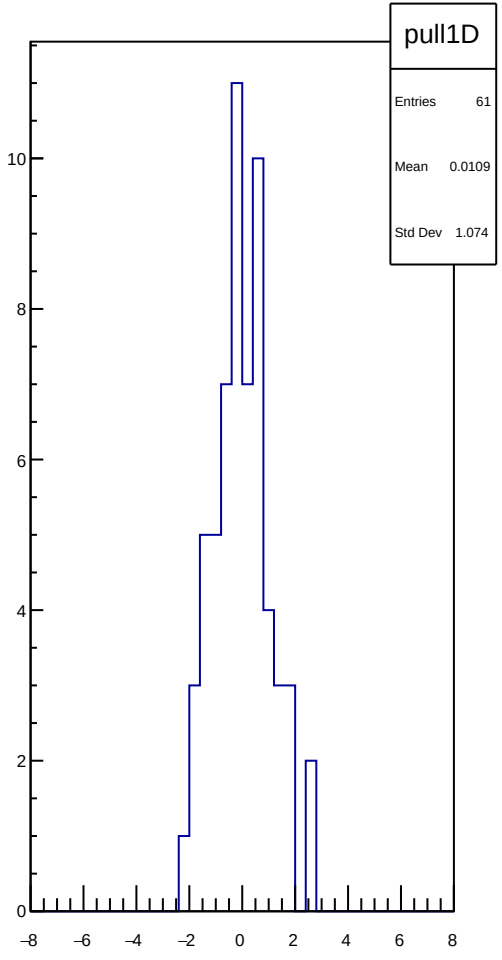

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2773 / 62
p0 442.9 ± 0.4029
500
480
460
440
420
400

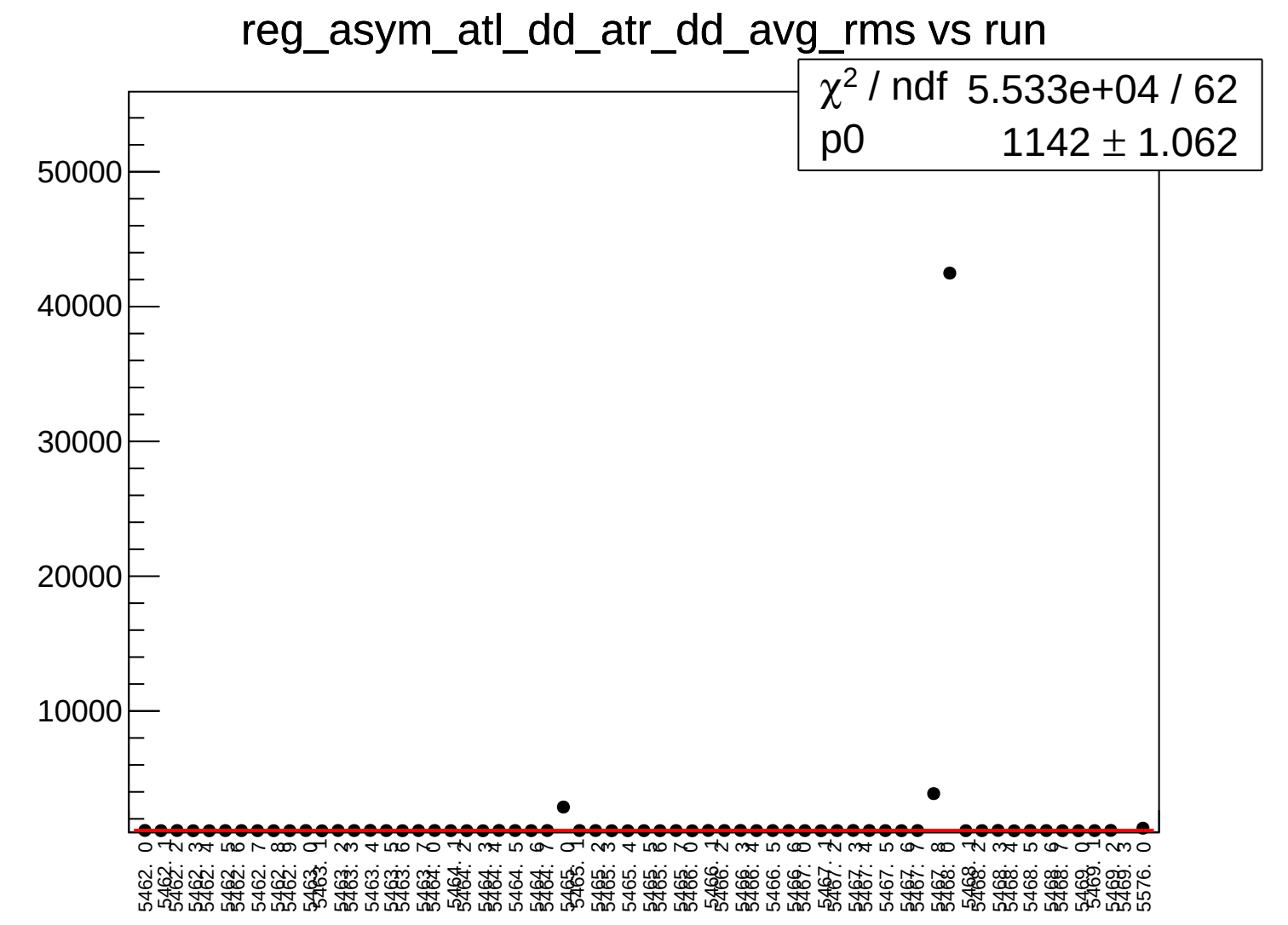

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.59 / 62
p0 −1.064e−14 ± 9.416e−14
pull
Entries 63
Mean −52.52
Std Dev 0

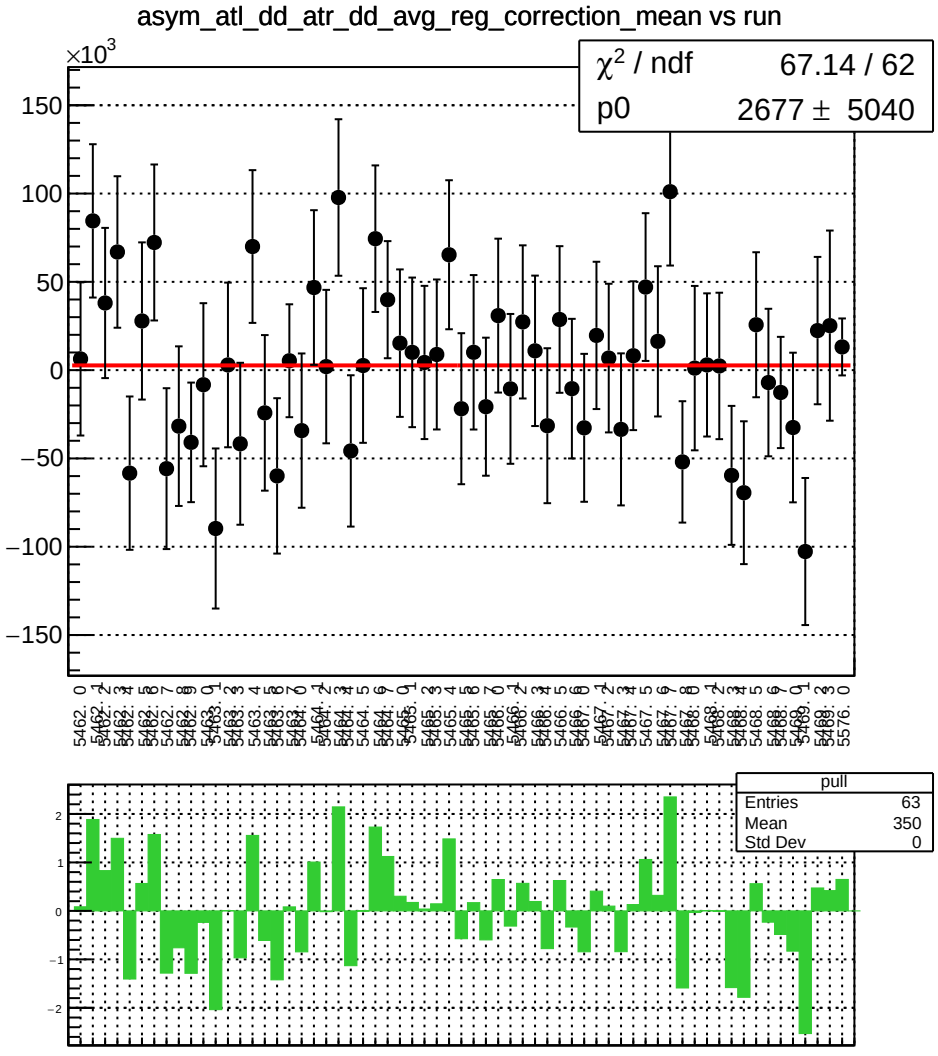

pull1D
Entries 63
Mean −0.02459
Std Dev 0.9964

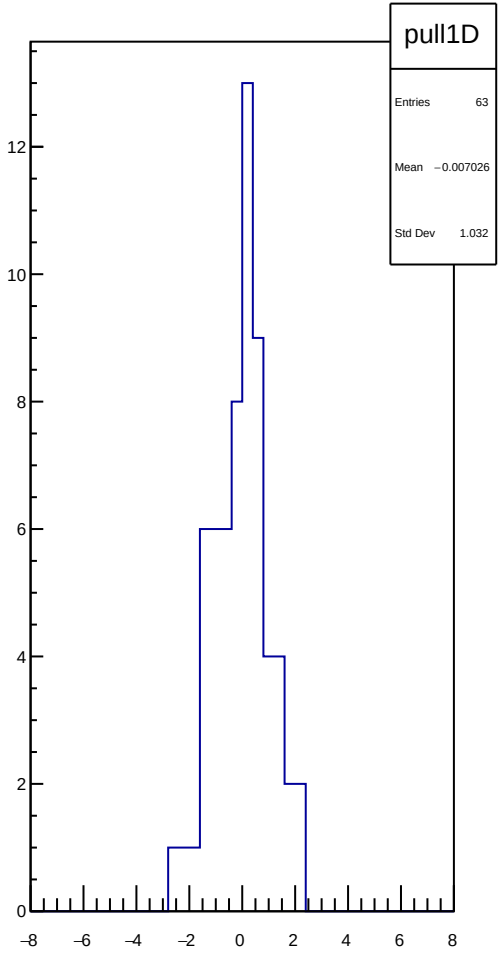

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.175e+05 / 62
p0 5.93e−11 ± 6.658e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

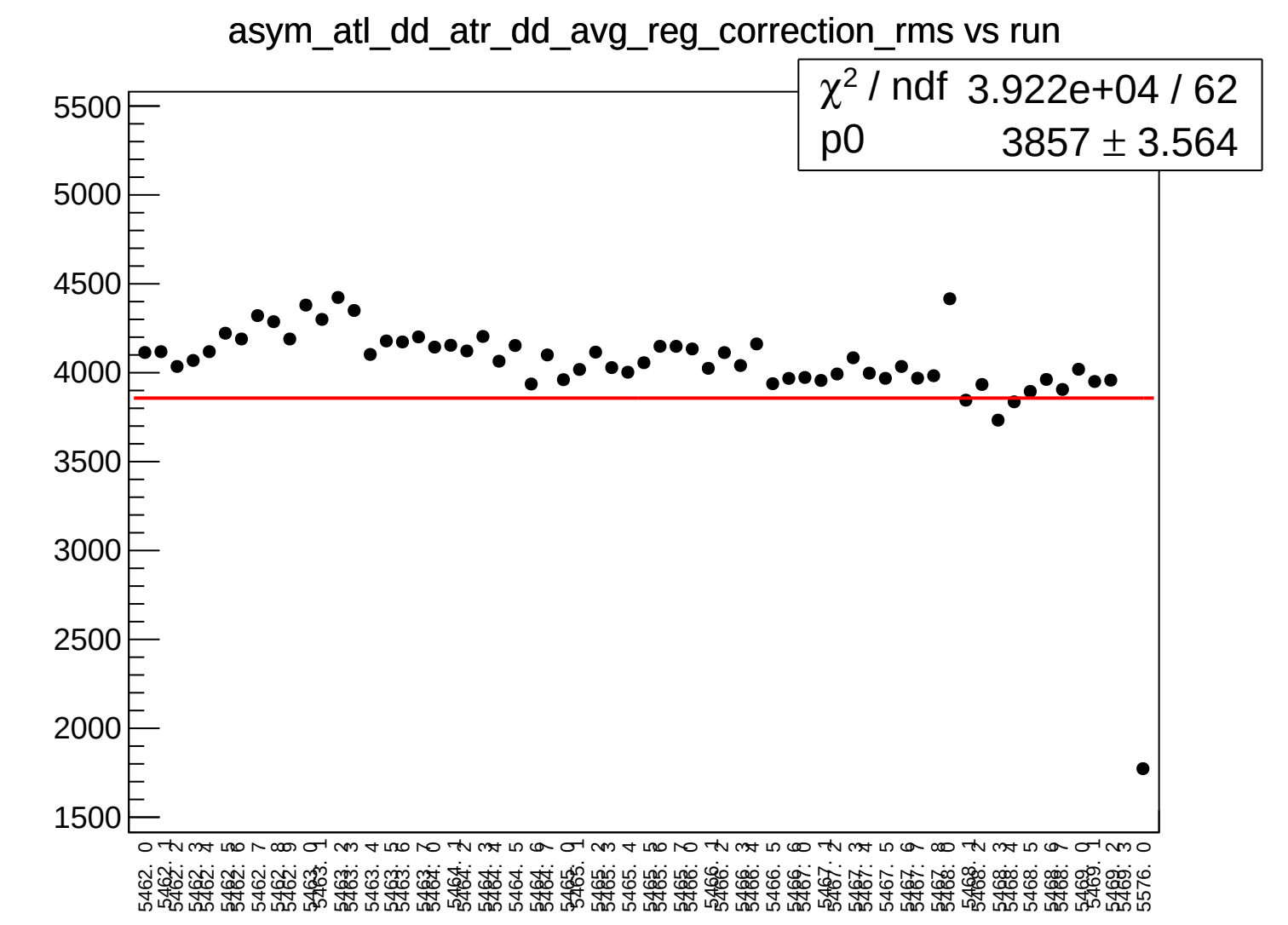

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.34 / 60
p0 −2260 ± 1502
100
80
60
40
20
0
−20
−40
−60
pull
Entries 61
Mean −220.7
Std Dev 0
2
1
0
−1
−2

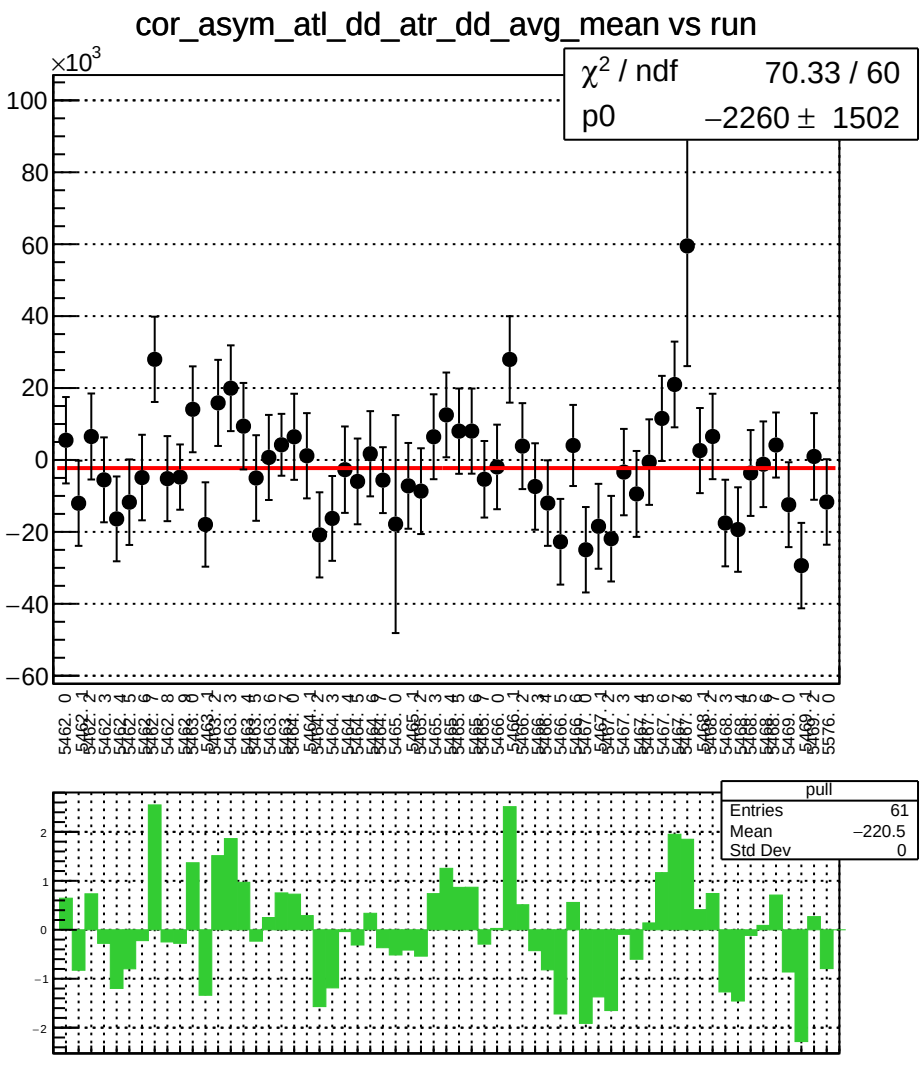

pull1D
Entries 61
Mean 0.0109
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

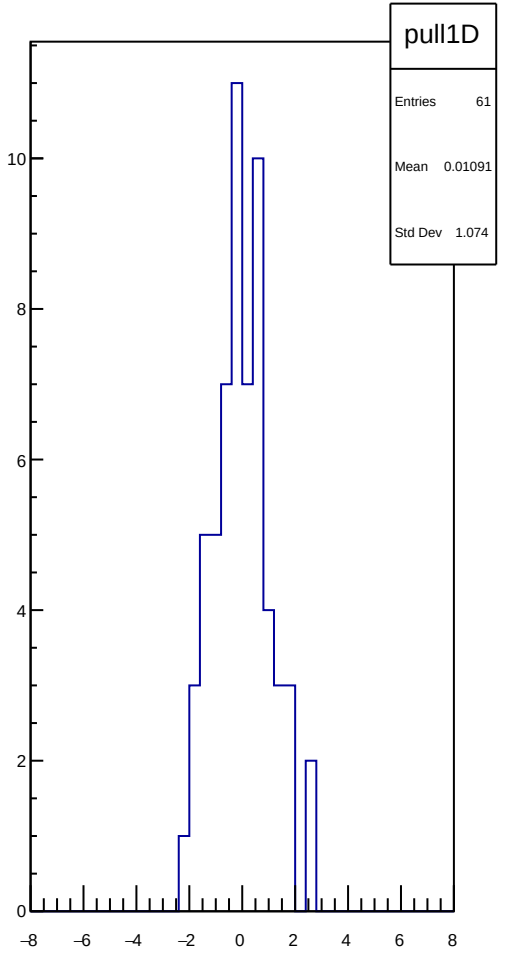

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000

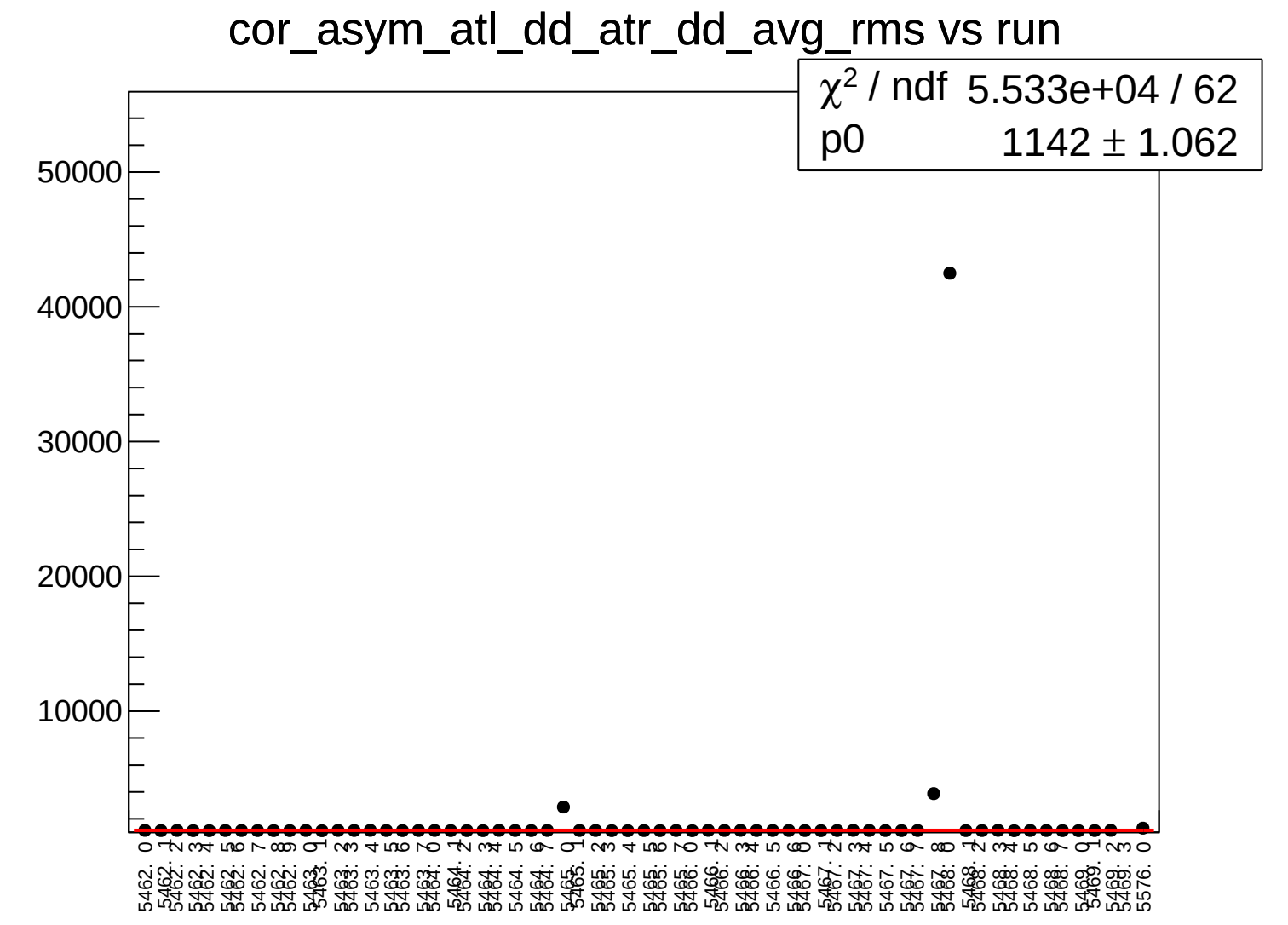

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 67.14 / 62
p0 2677 ± 5040
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 350
Std Dev 0
2
1
0
−1
−2

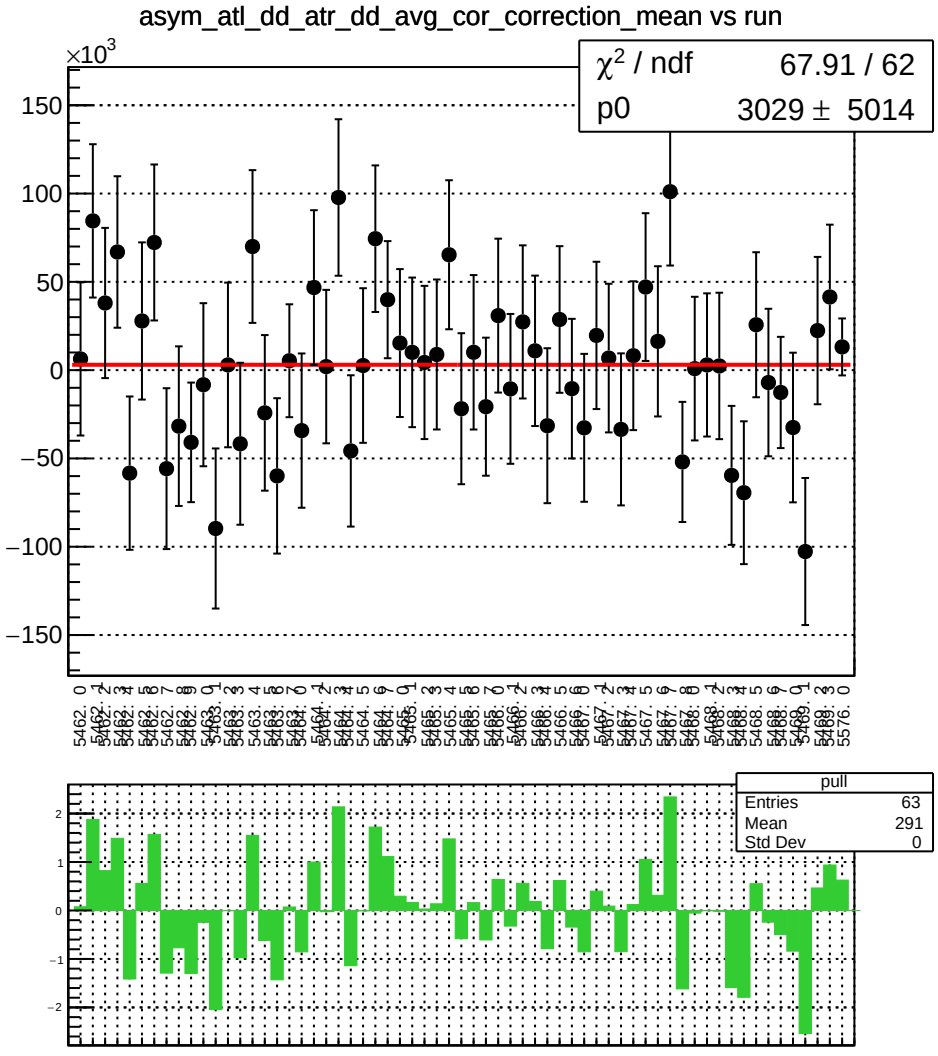

pull1D
Entries 63
Mean −0.007026
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

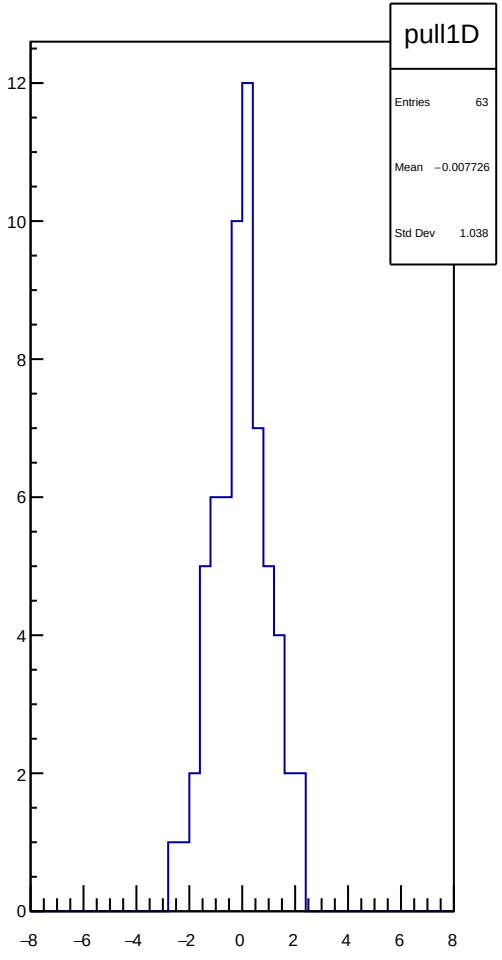

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.922e+04 / 62
p0 3857 ± 3.564
5500
5000
4500
4000
3500
3000
2500
2000
1500

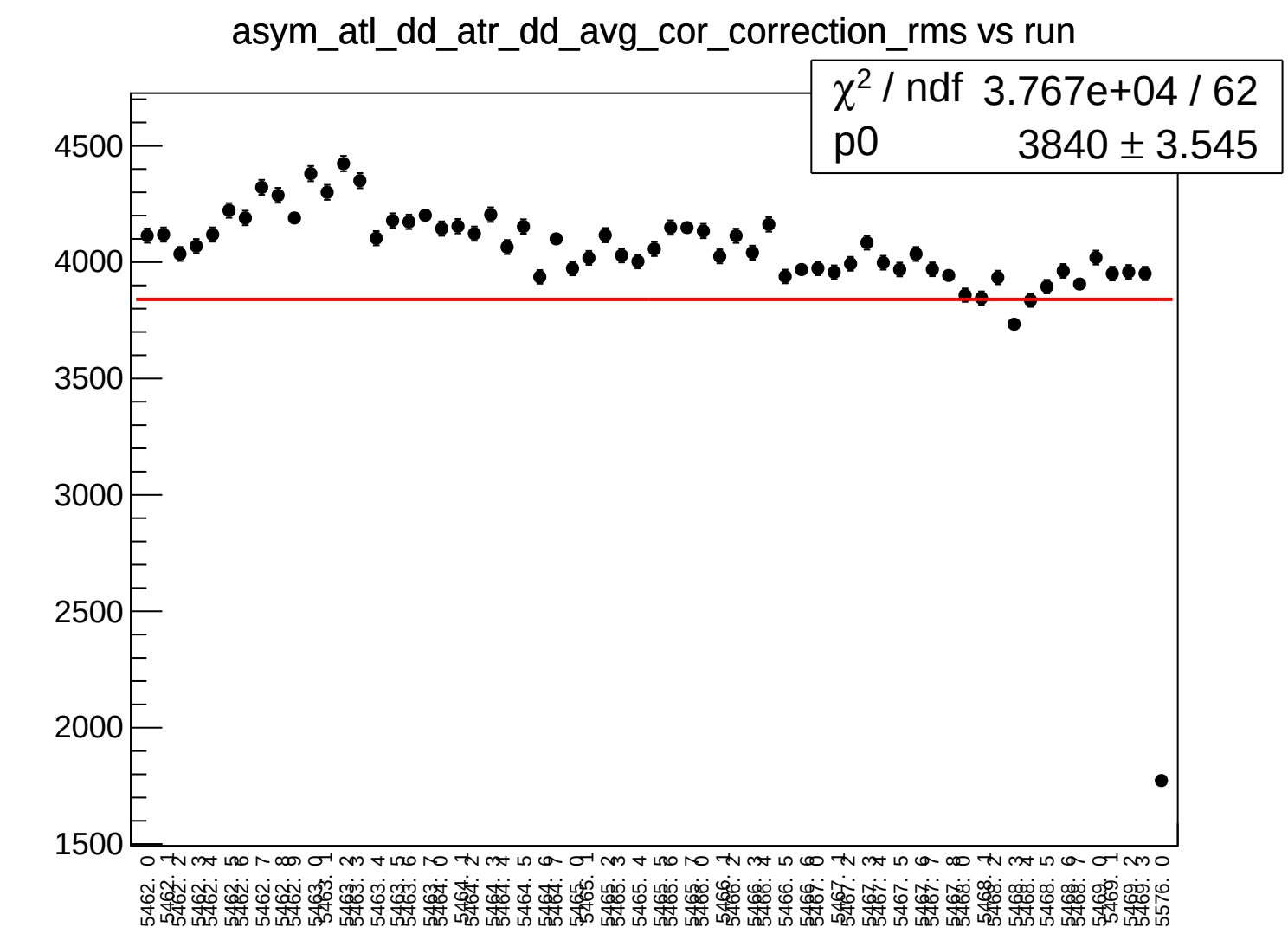

cor_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0

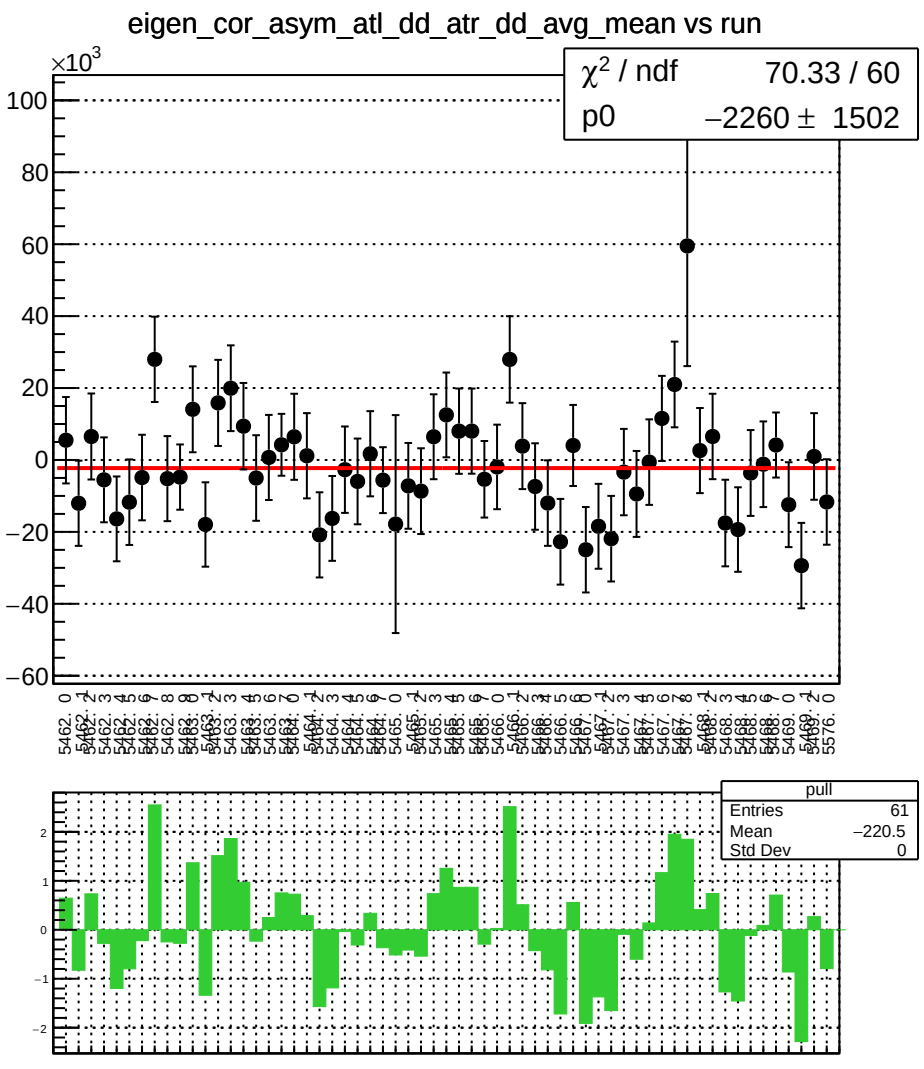

pull1D
Entries 61
Mean 0.01091
Std Dev 1.074

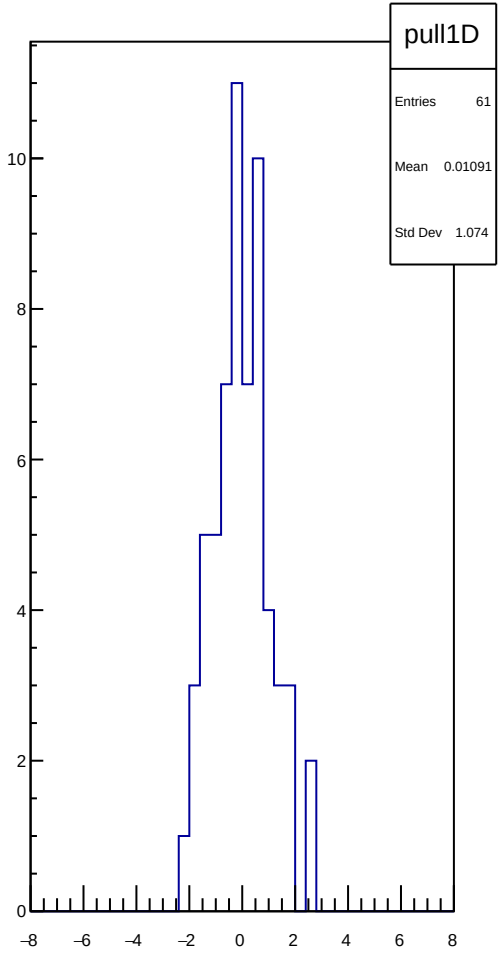

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

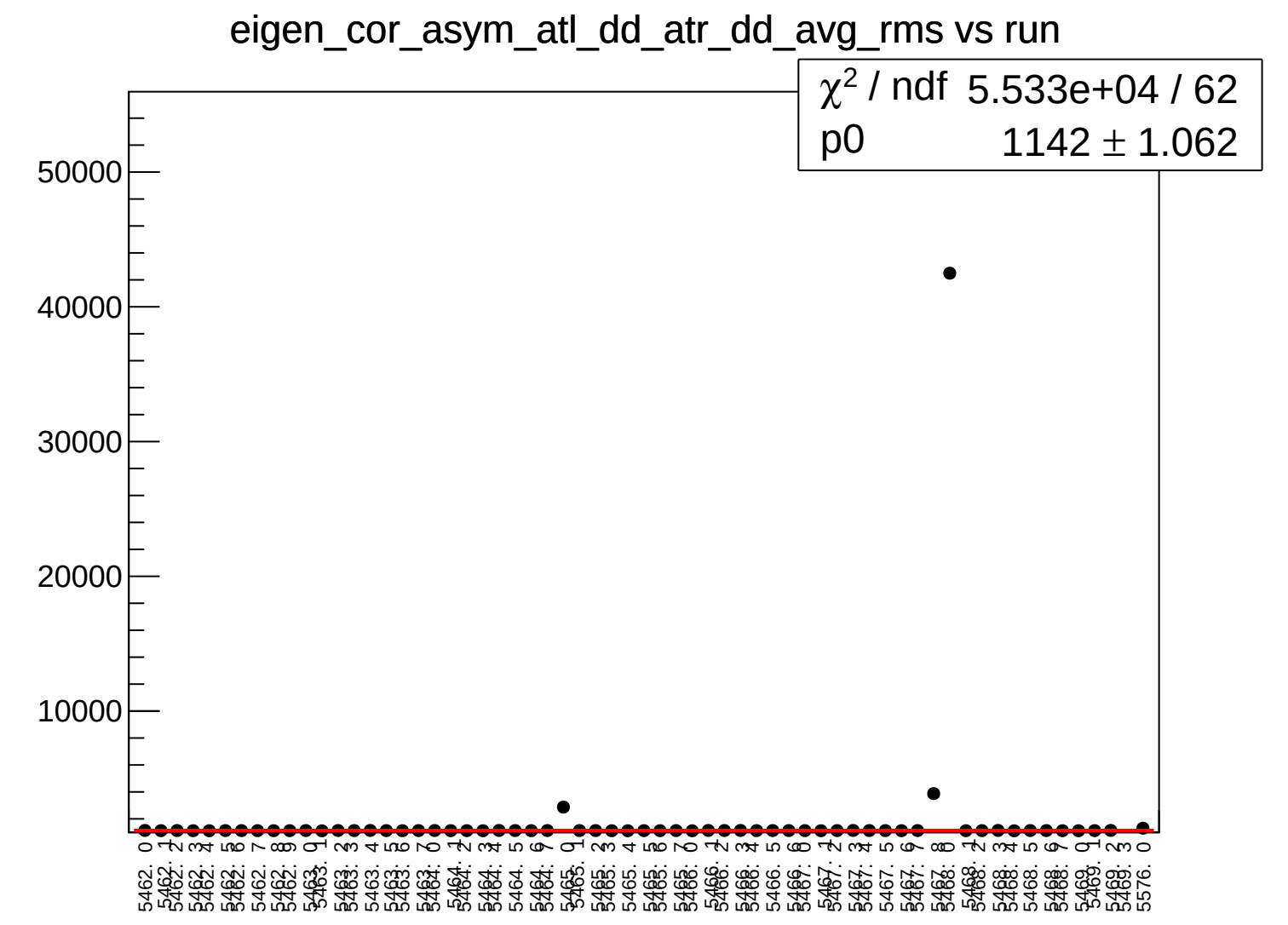

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
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 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0


pull1D
Entries 61
Mean 0.01091
Std Dev 1.074


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
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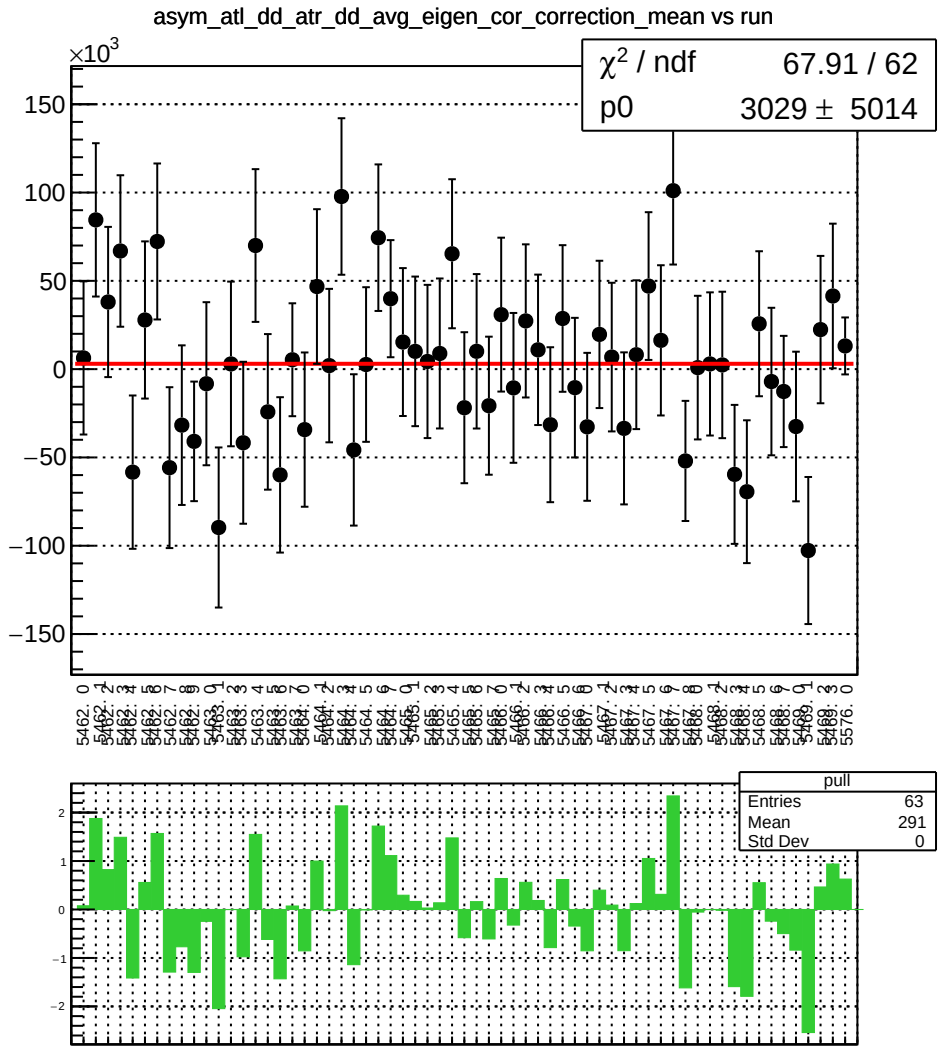
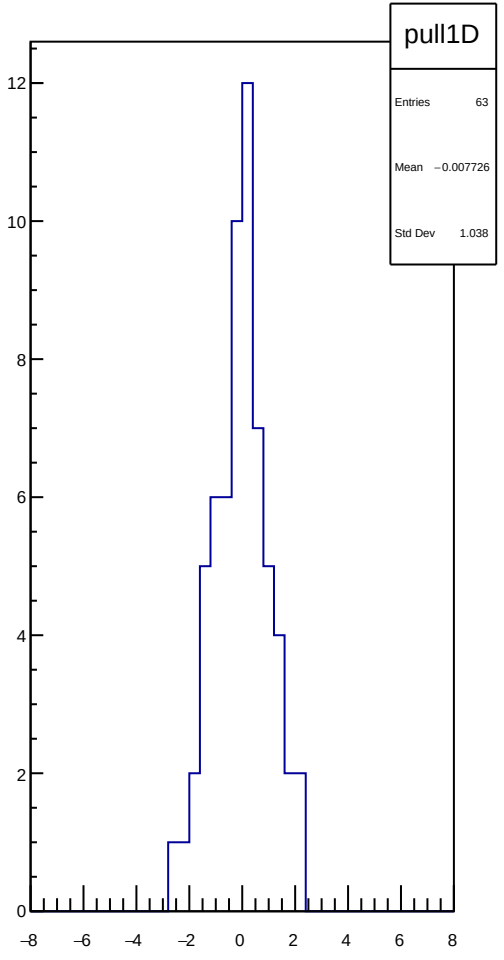
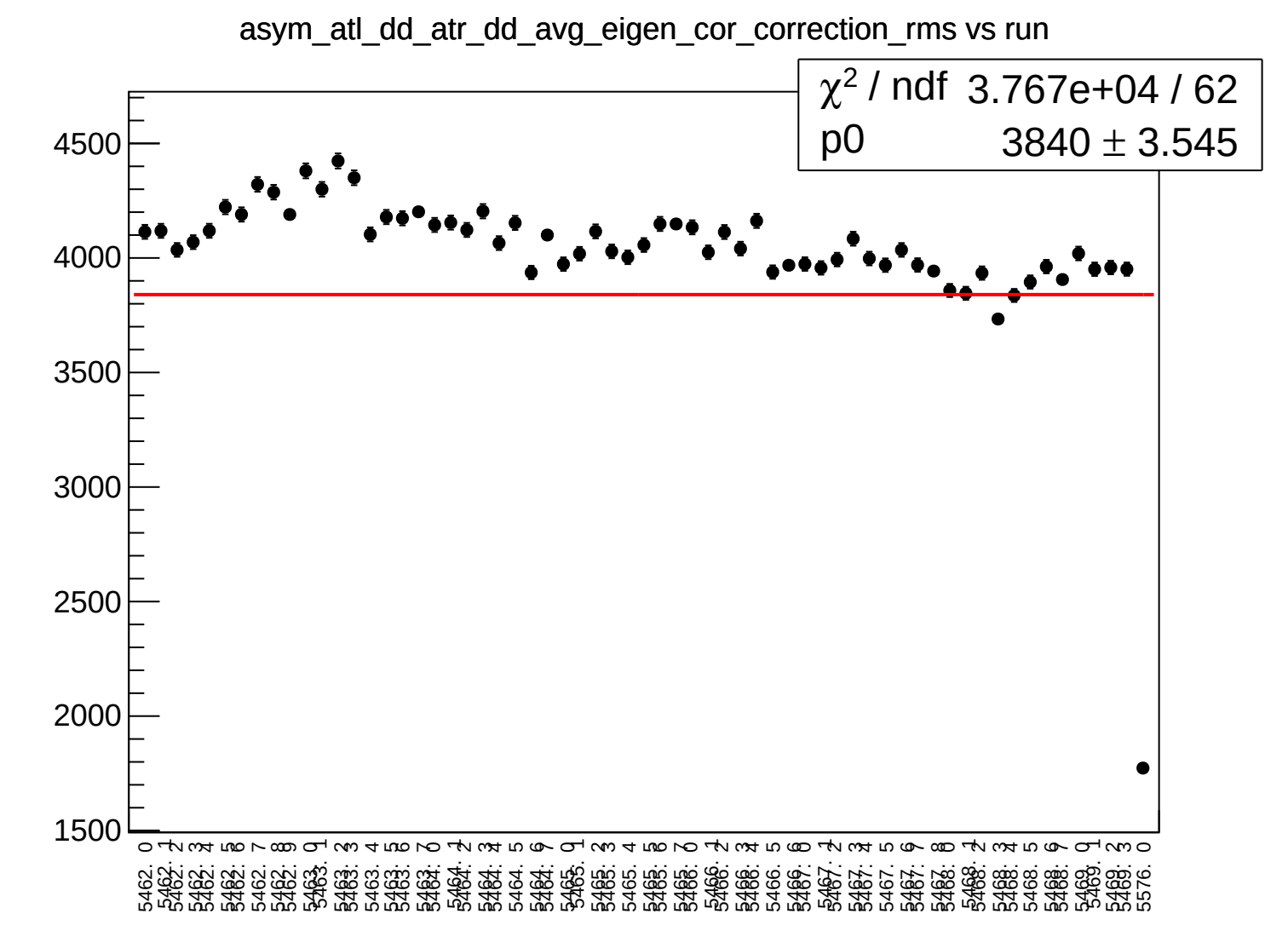
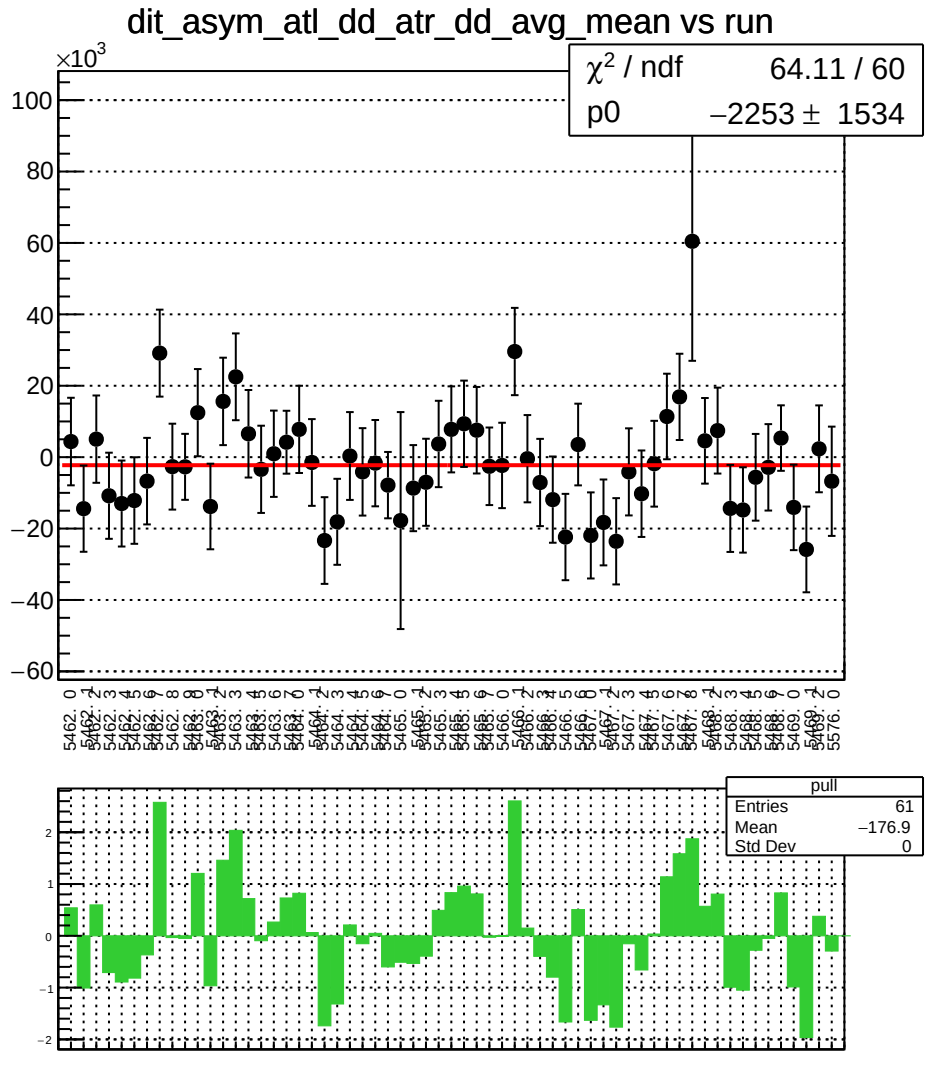
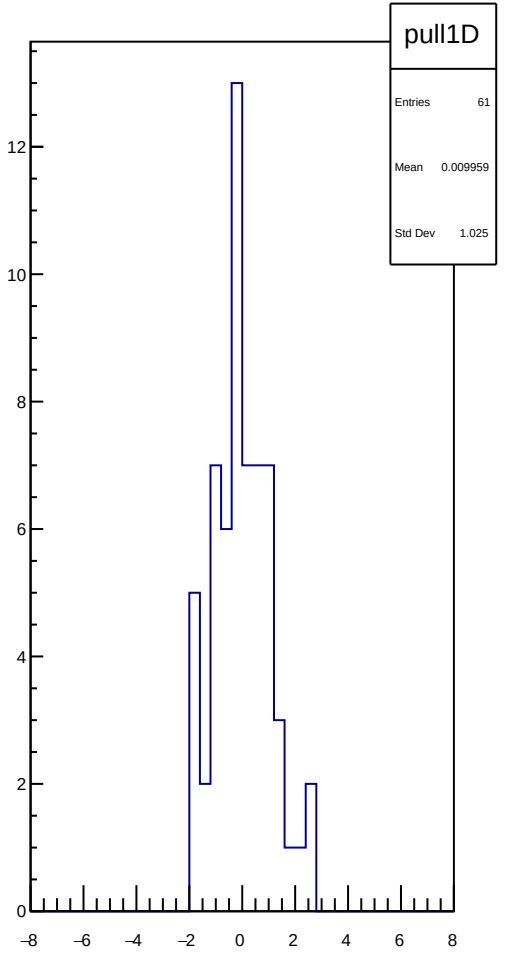
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

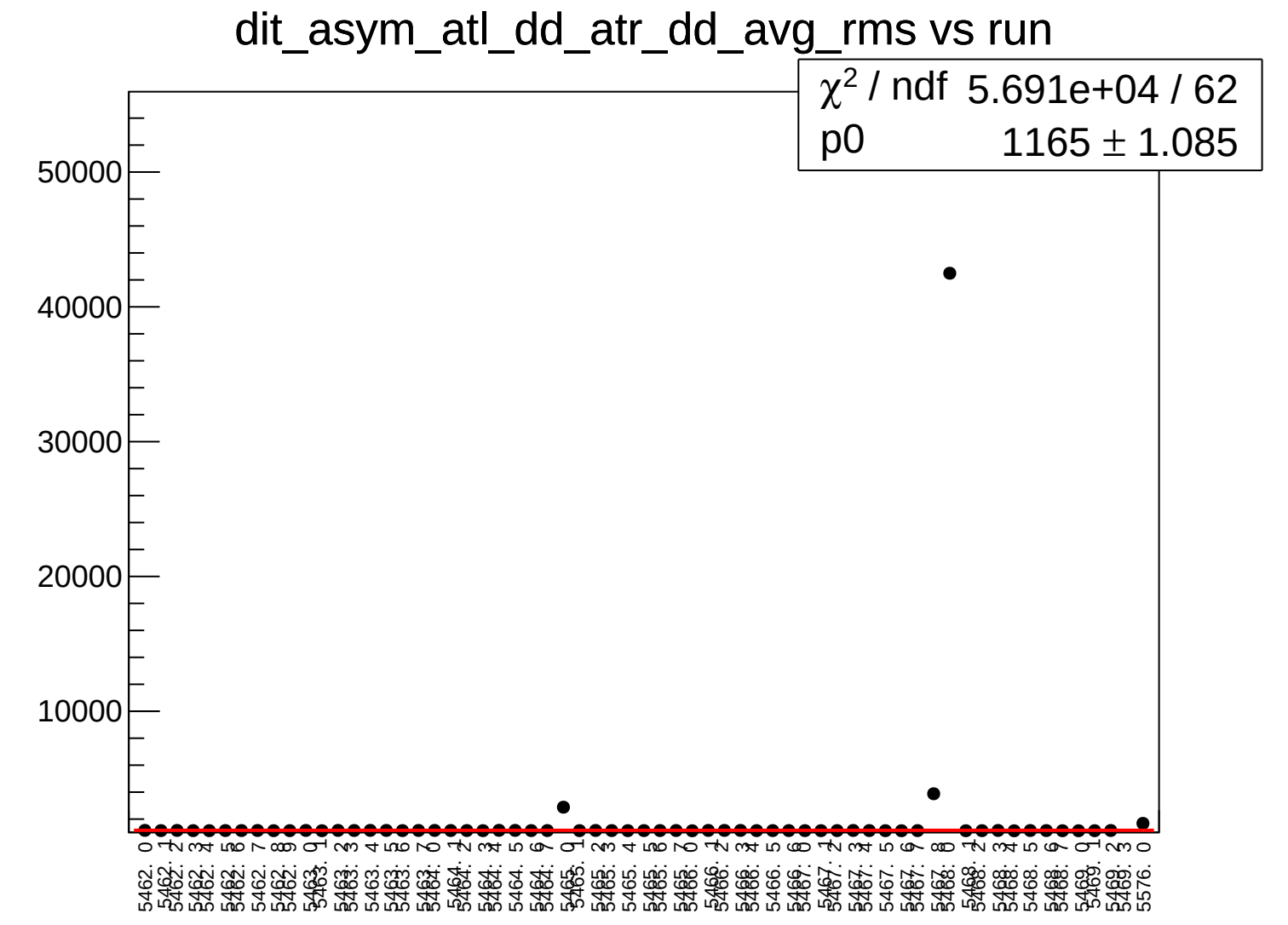

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2

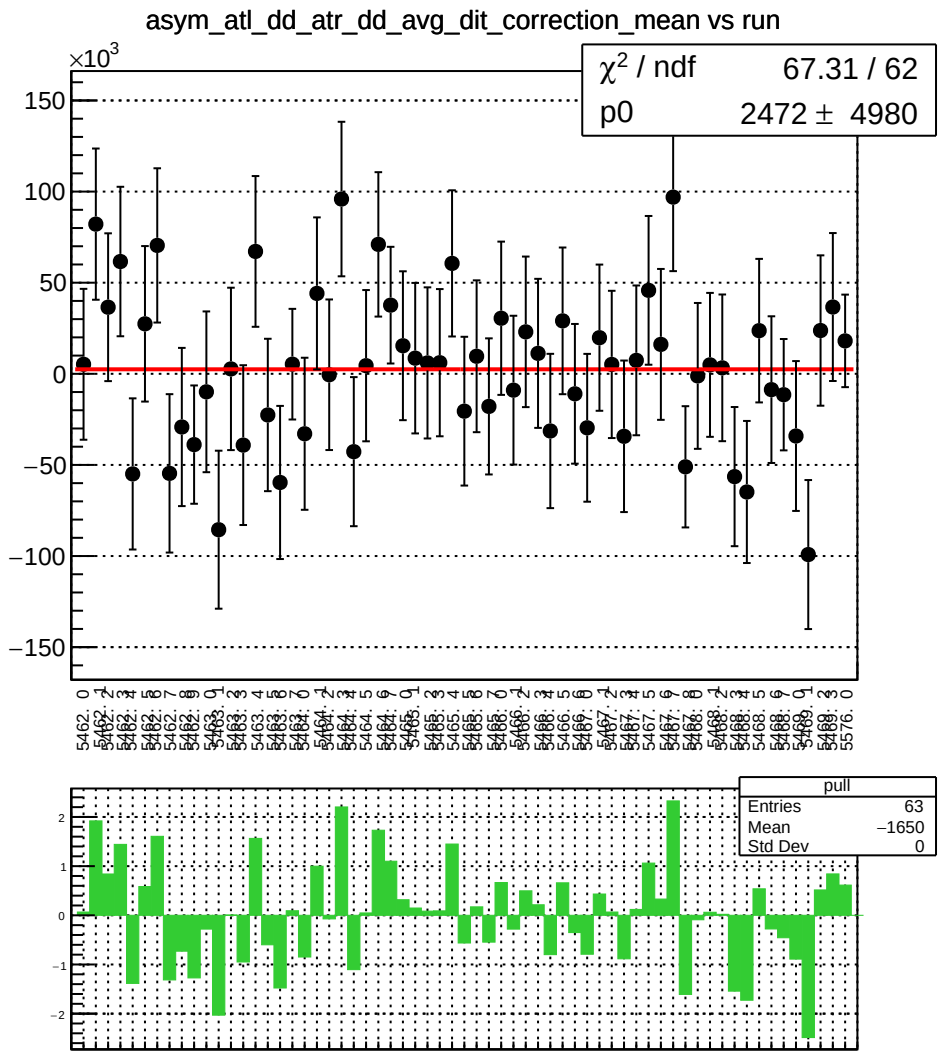

pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

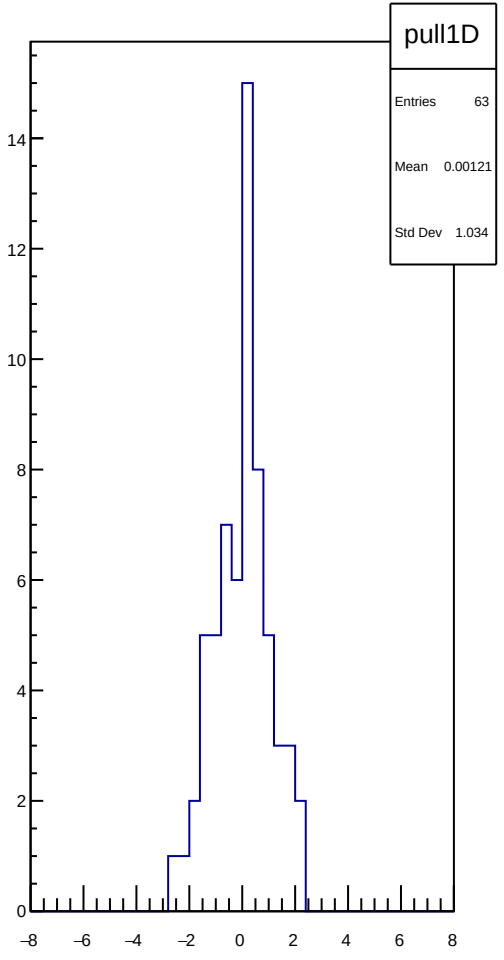

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500

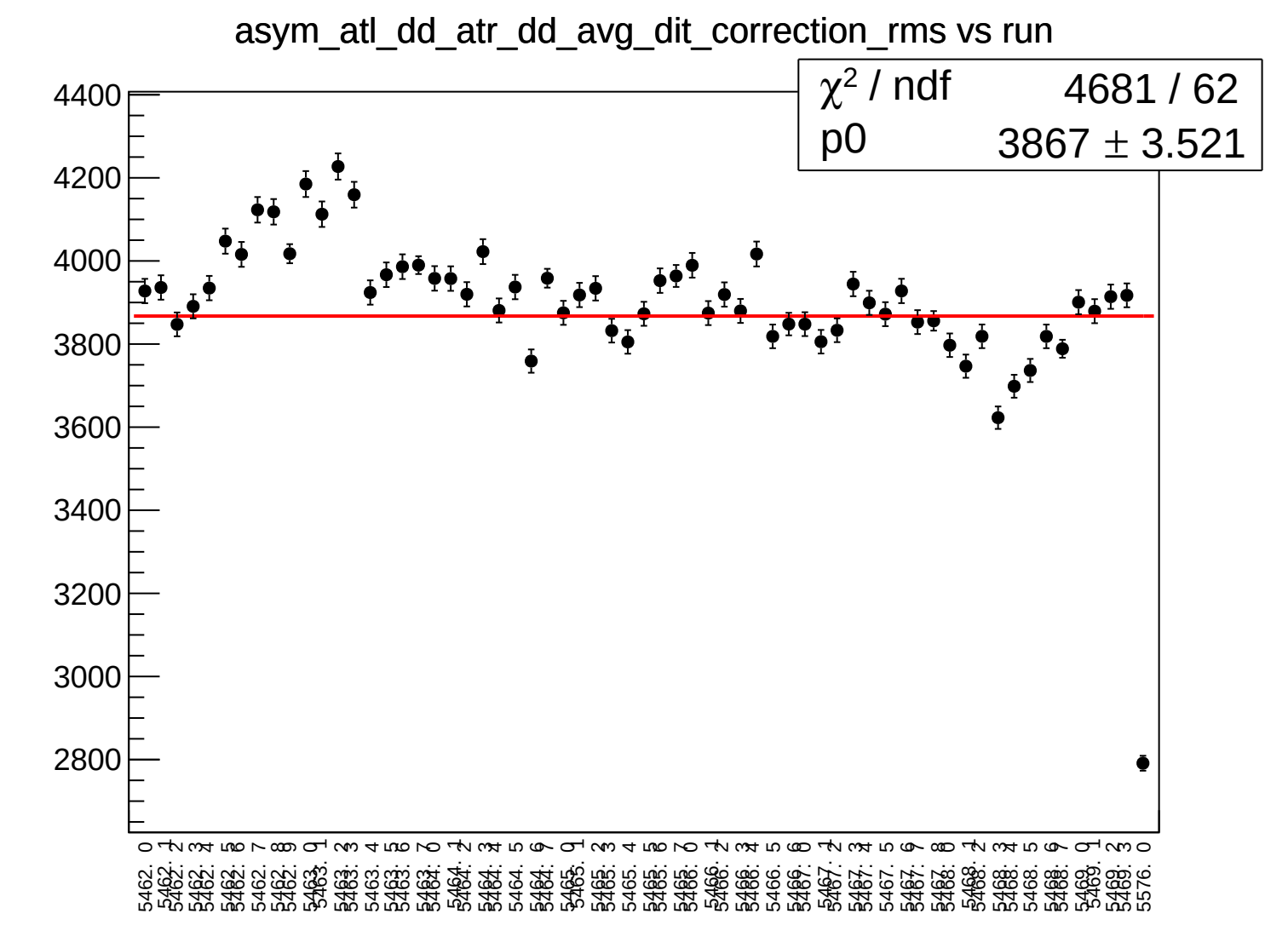

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0

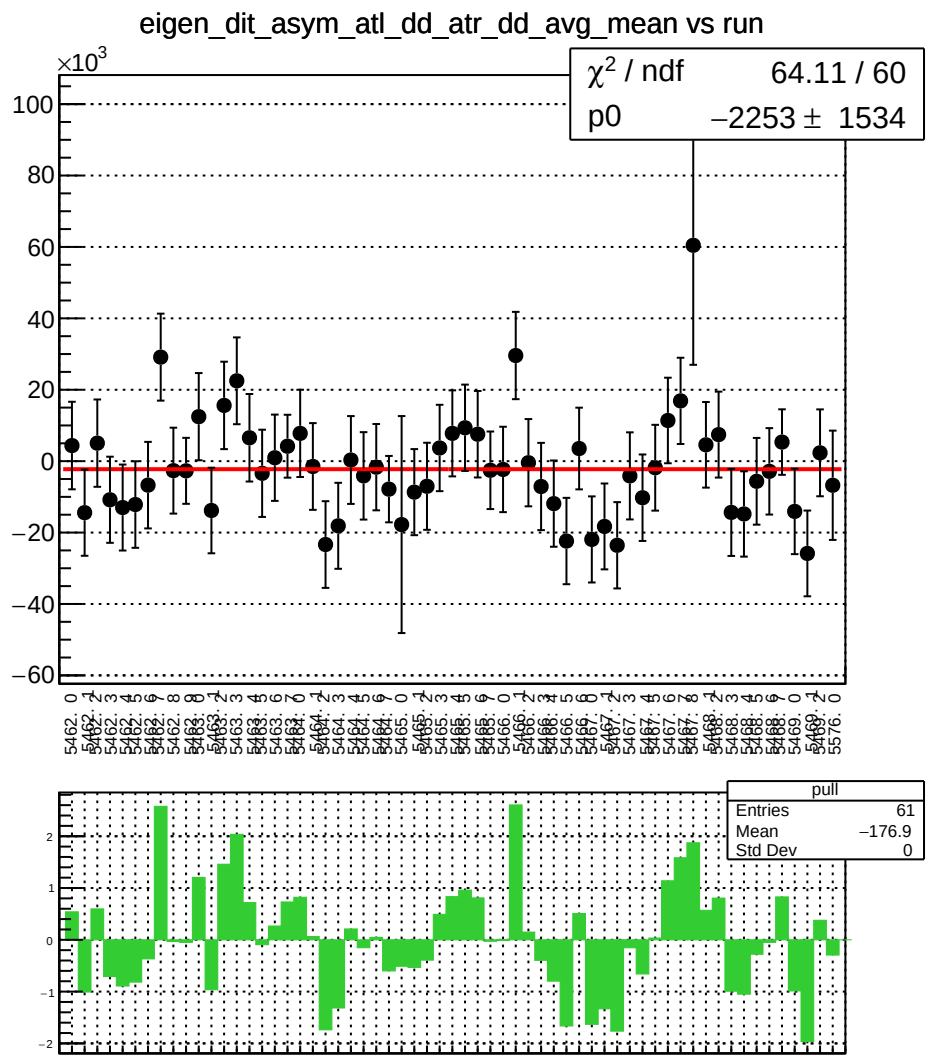

pull1D
Entries 61
Mean 0.009959
Std Dev 1.025

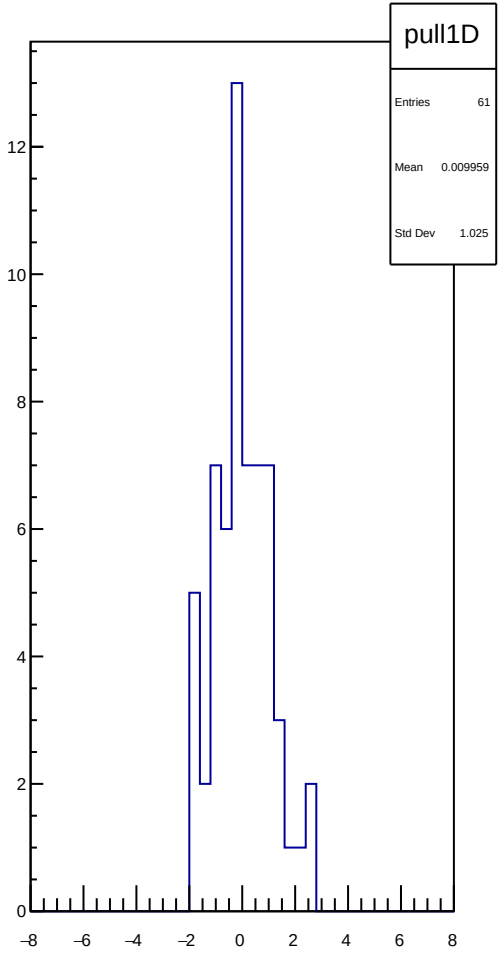

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

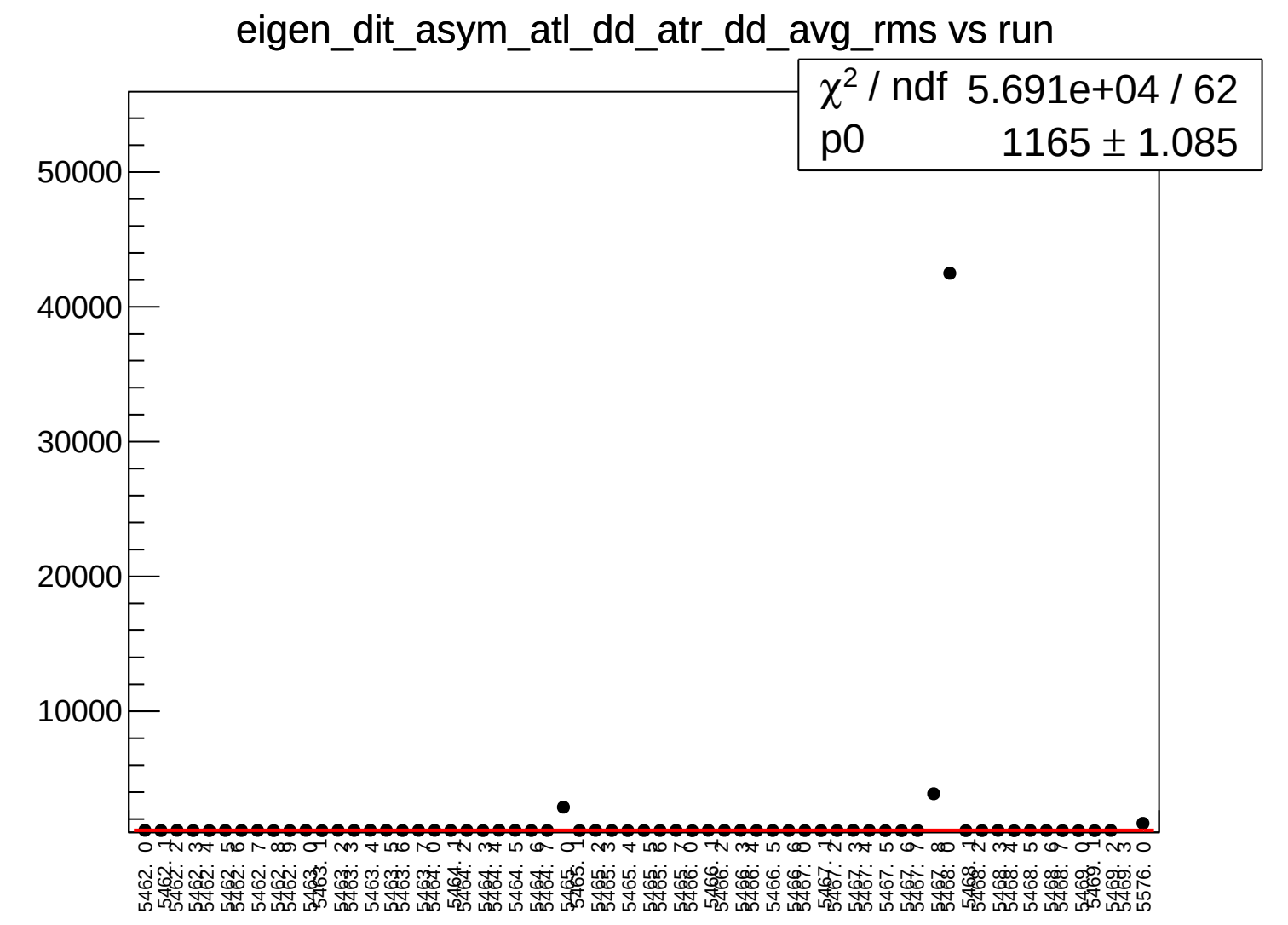

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2

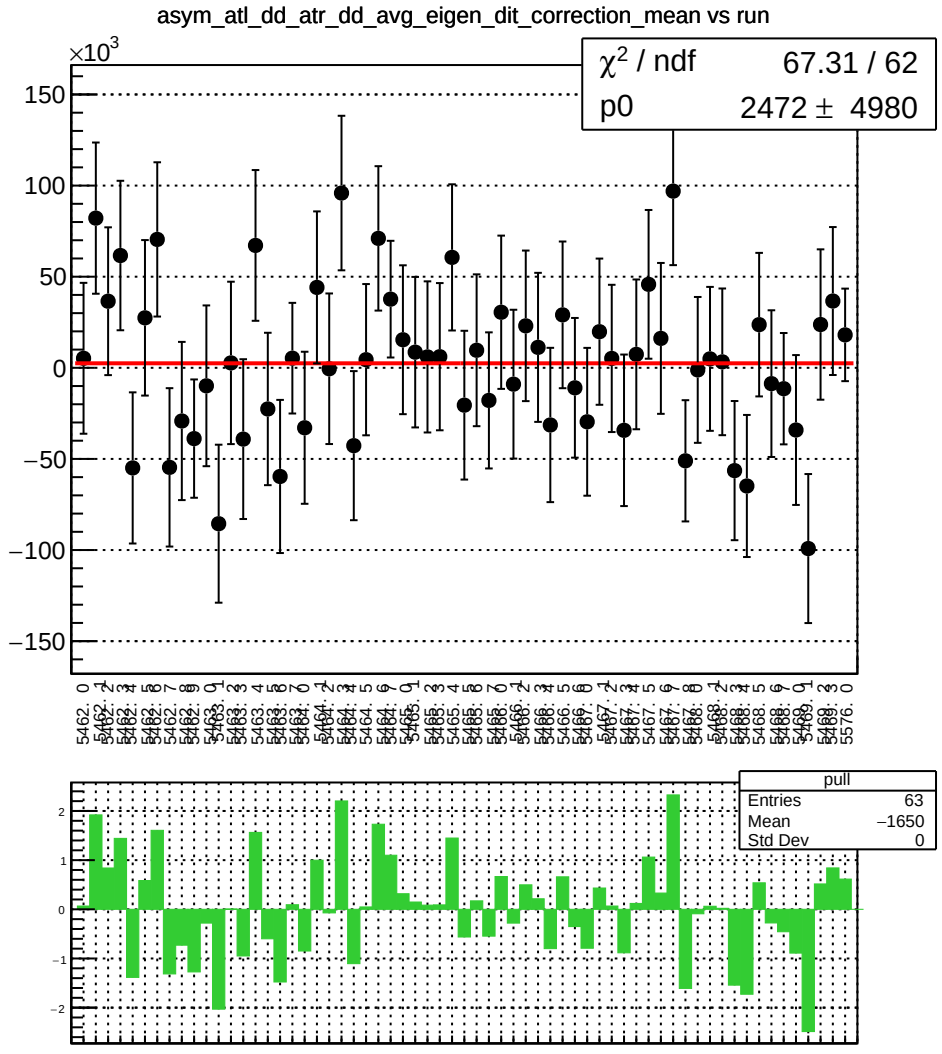

pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

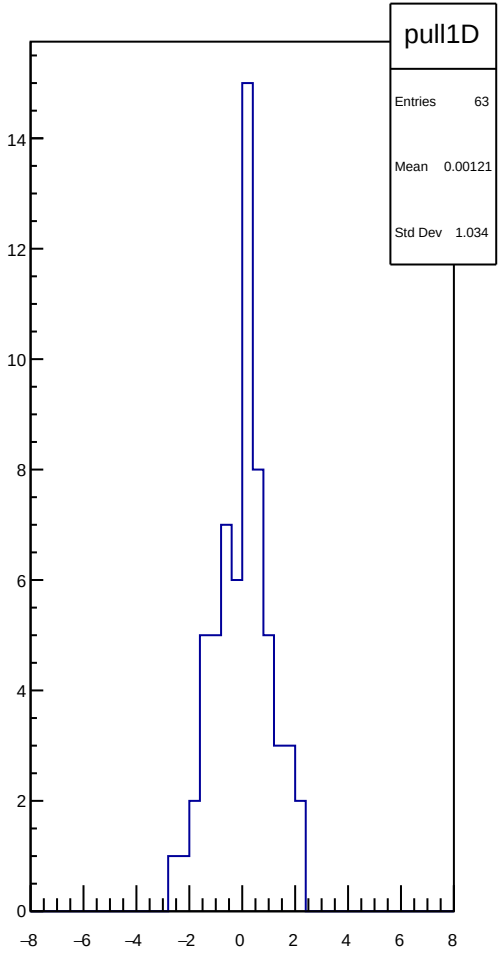

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 4681 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800

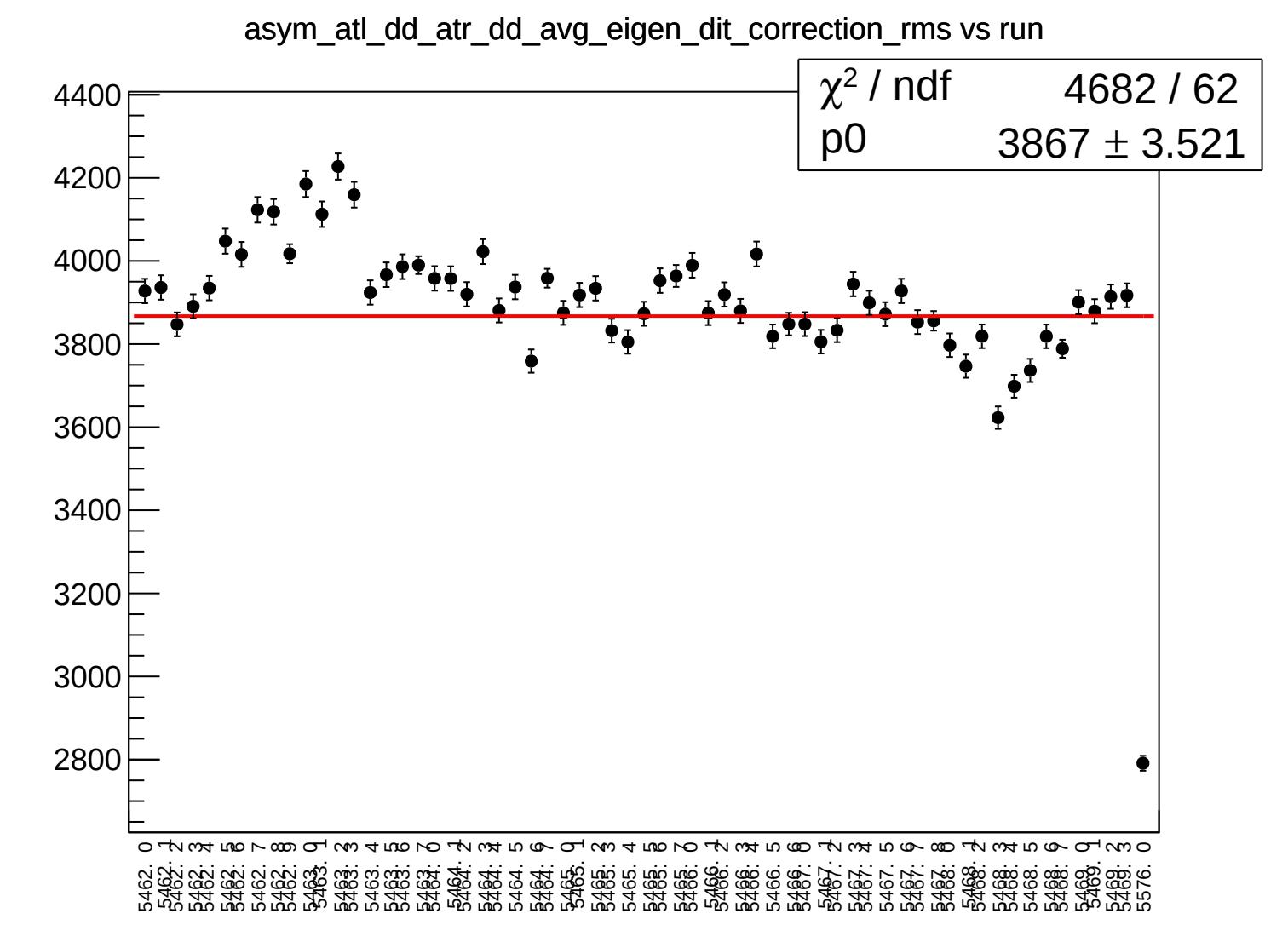

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0

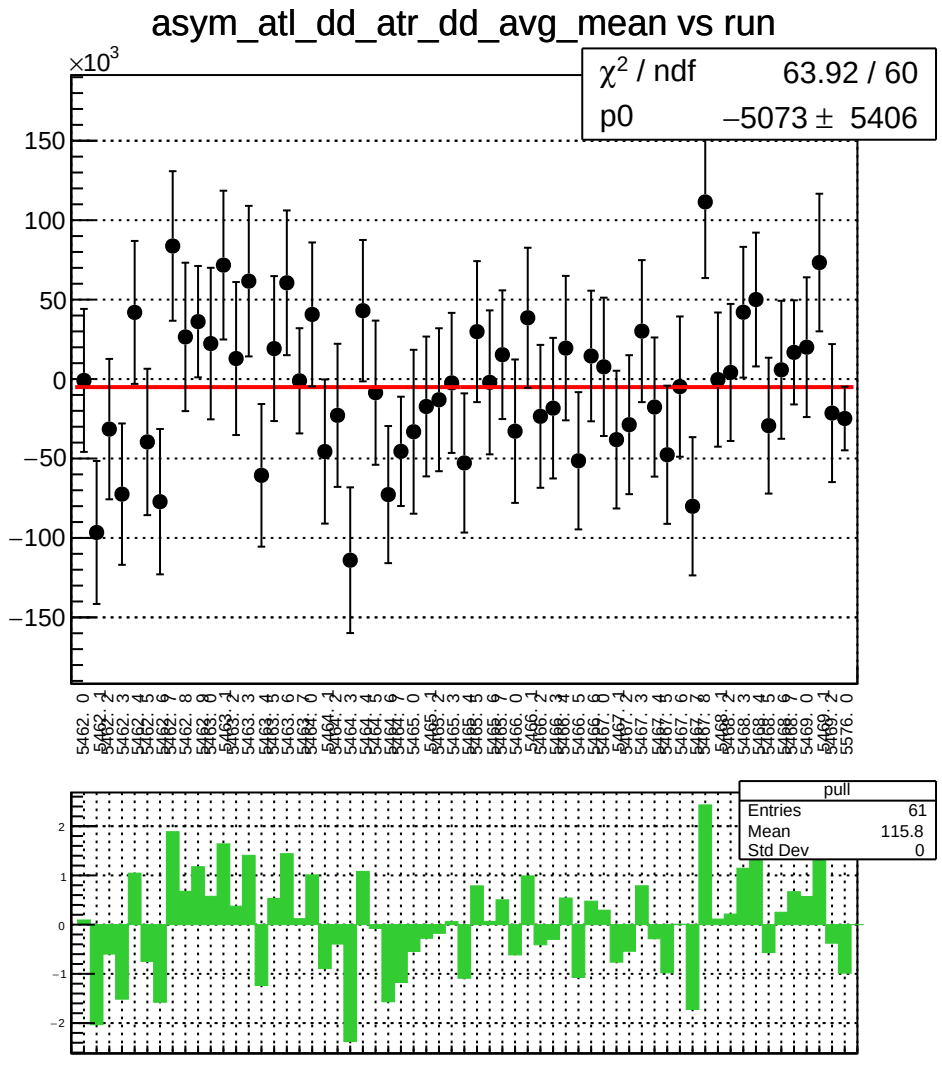

pull1D
Entries 61
Mean 0.009959
Std Dev 1.025

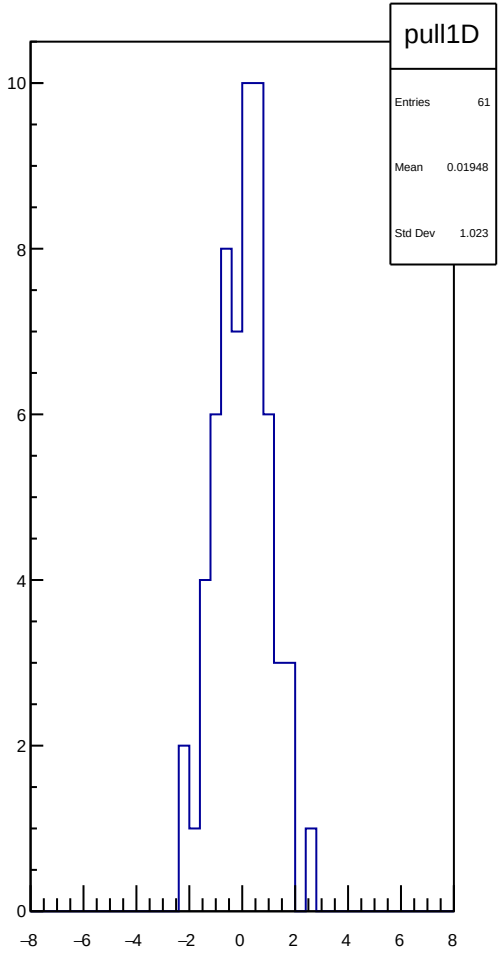

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000

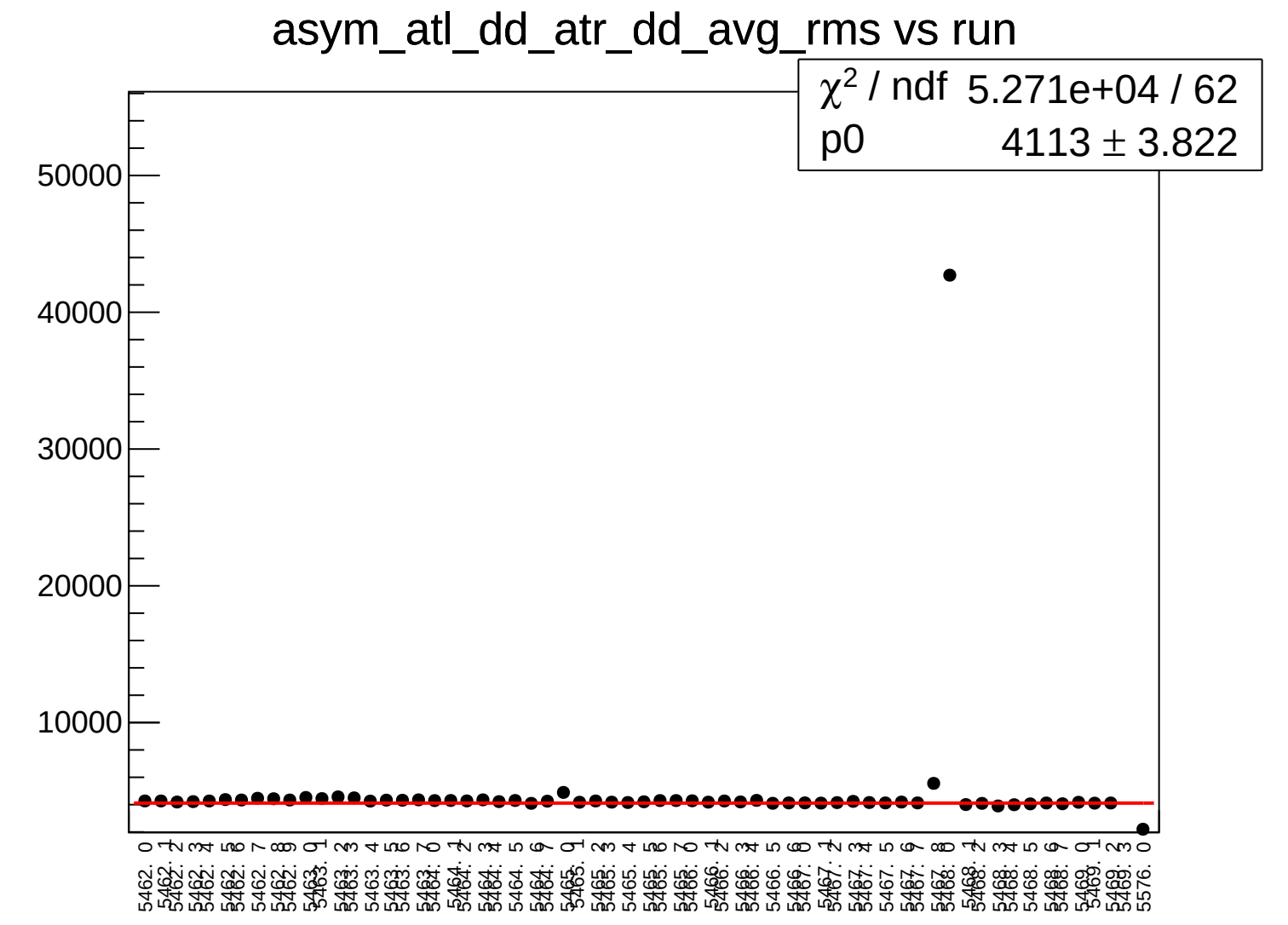

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2

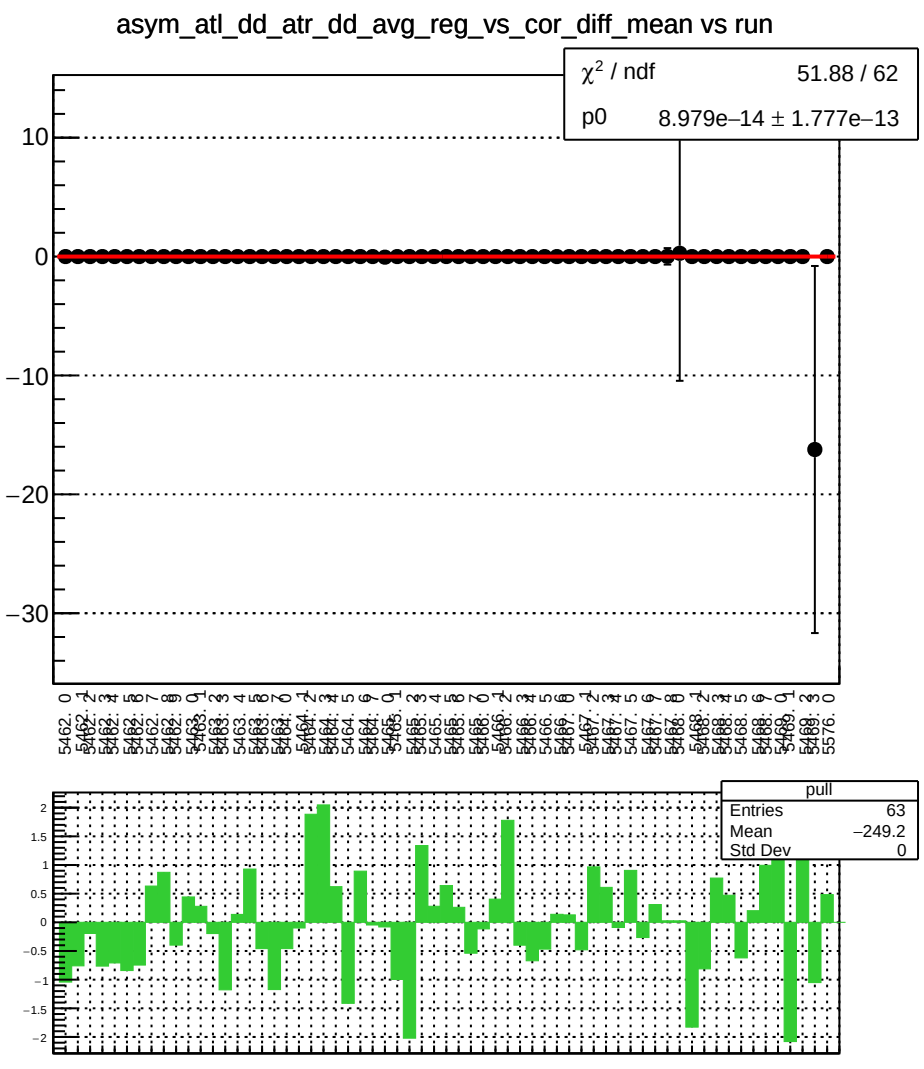

pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

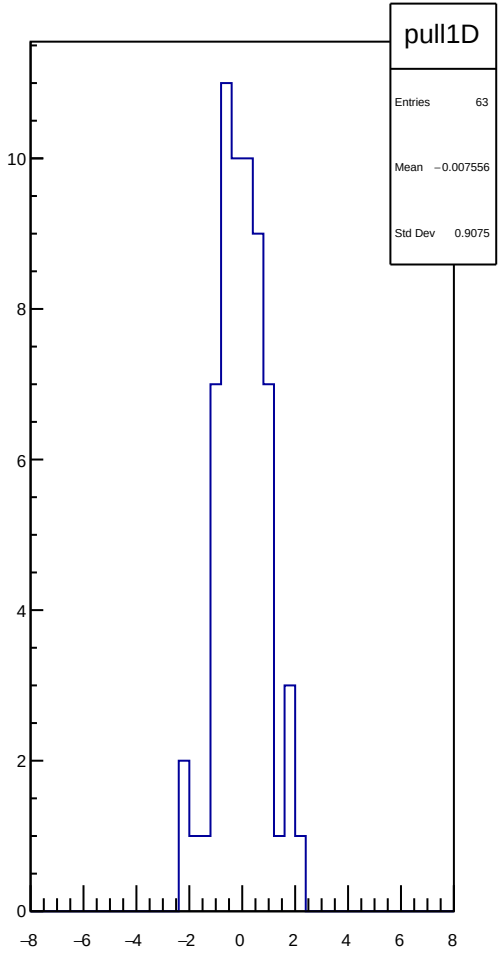

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4682 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800

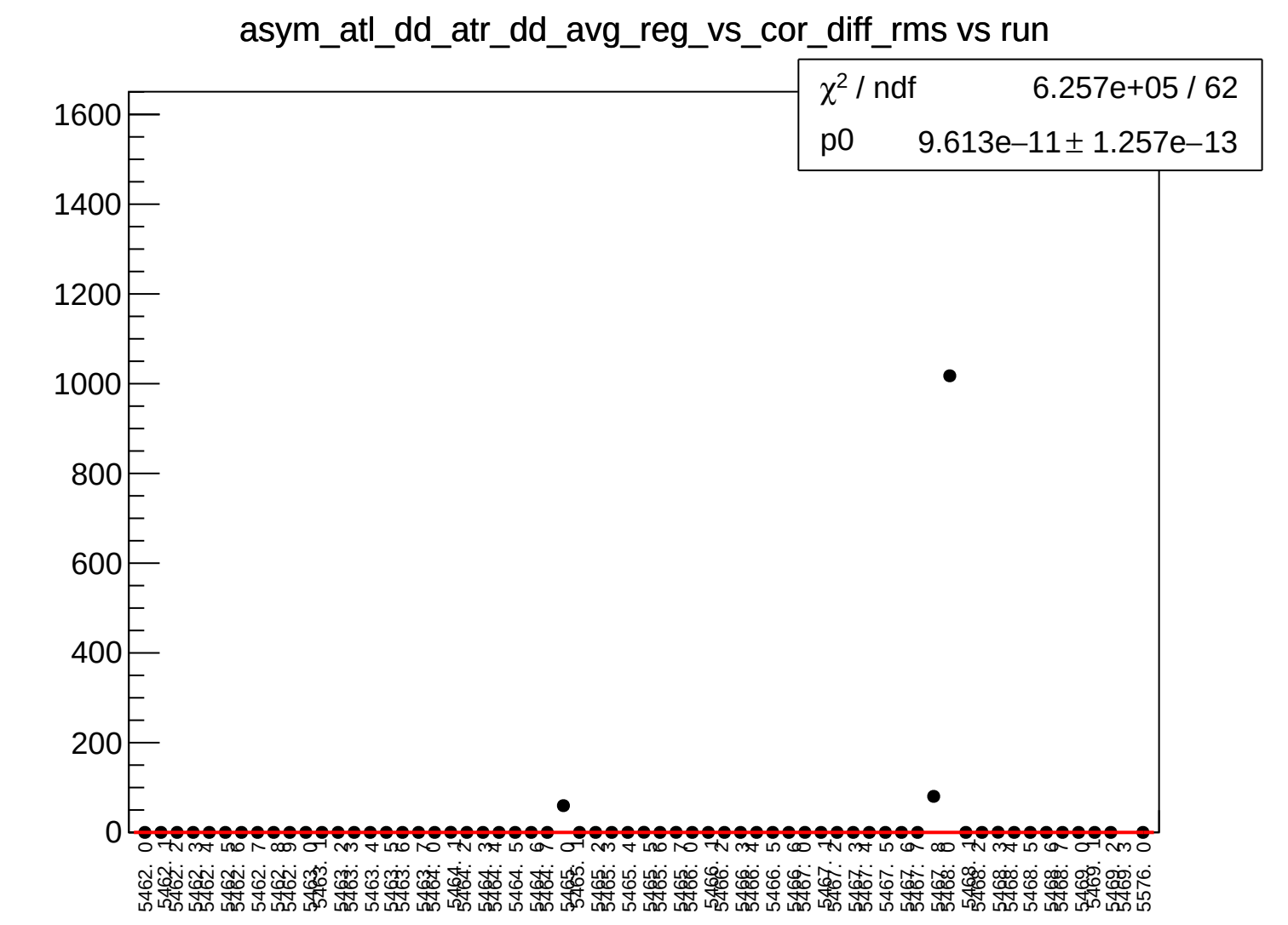

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 63.92 / 60
p0 −5073 ± 5406
×10³
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 115.8
Std Dev 0
2
1
0
−1
−2

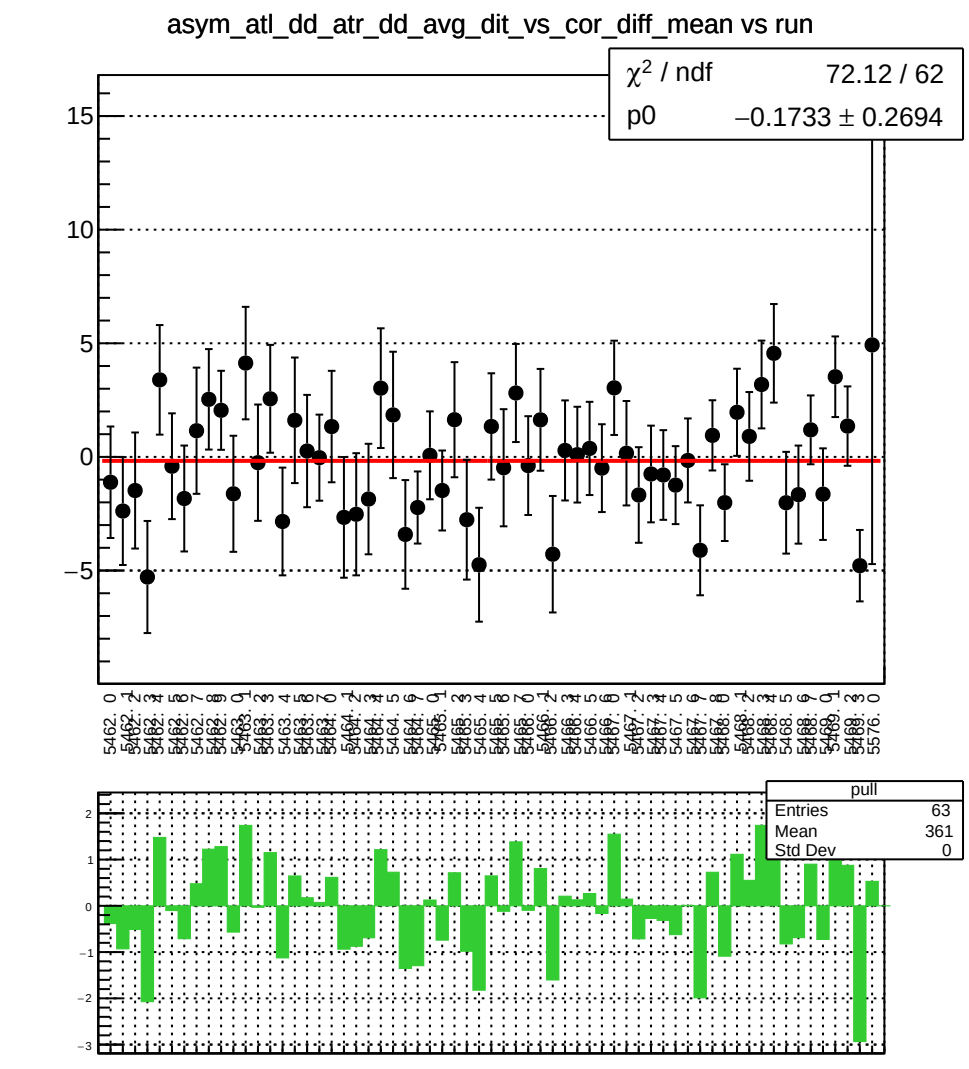

pull1D
Entries 61
Mean 0.01948
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

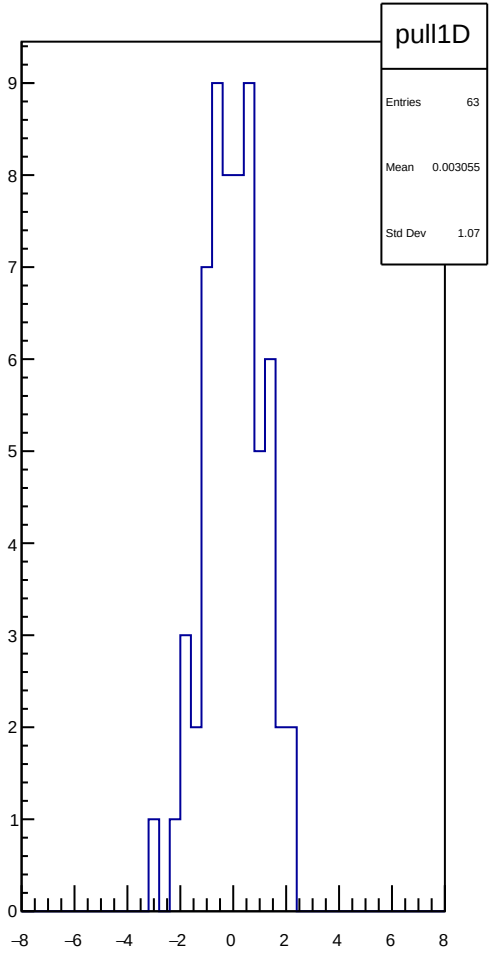

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5.271e+04 / 62
p0 4113 ± 3.822
50000
40000
30000
20000
10000

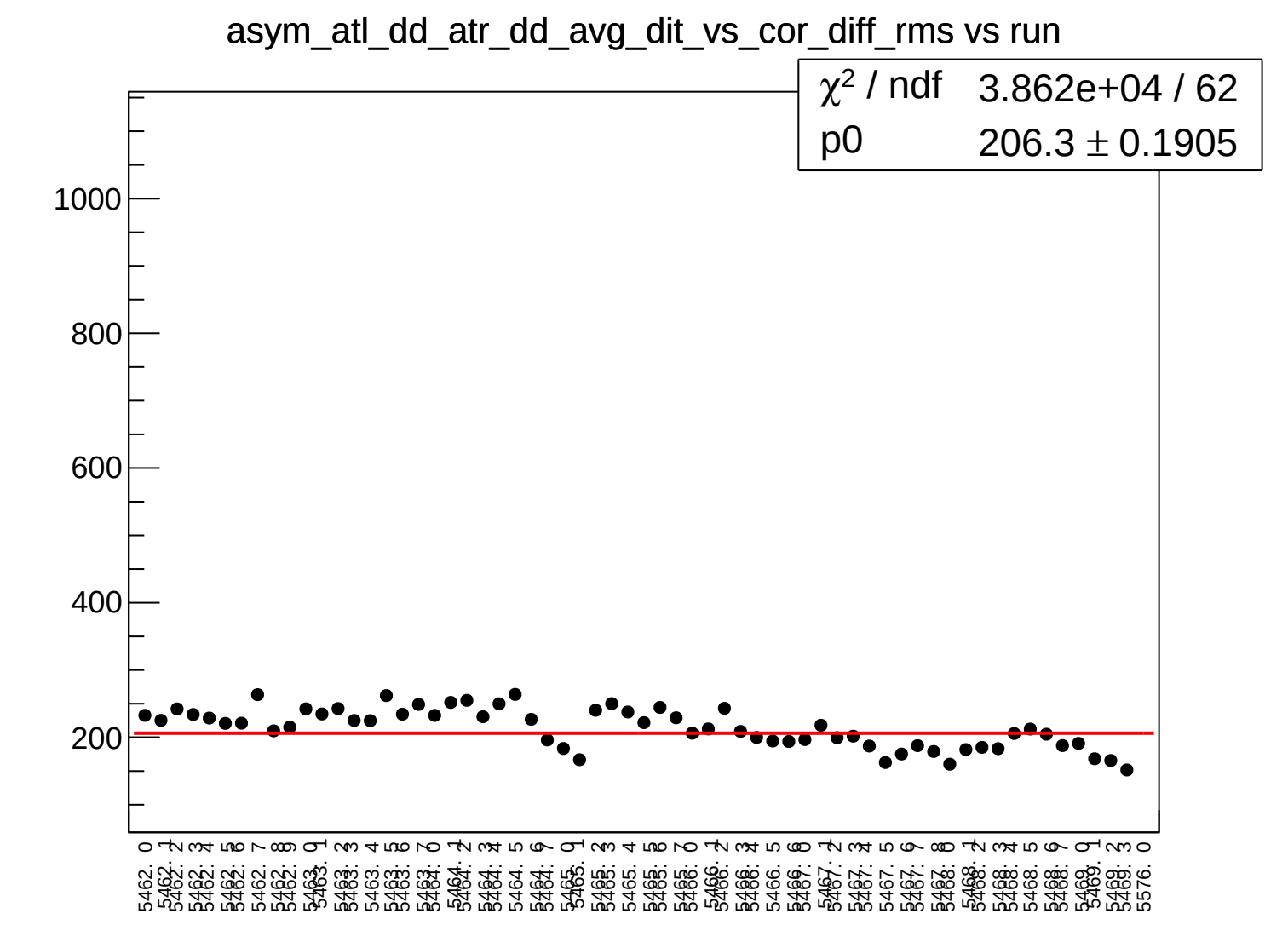

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.88 / 62
p0 8.979e−14 ± 1.777e−13
pull
Entries 63
Mean −249.2
Std Dev 0

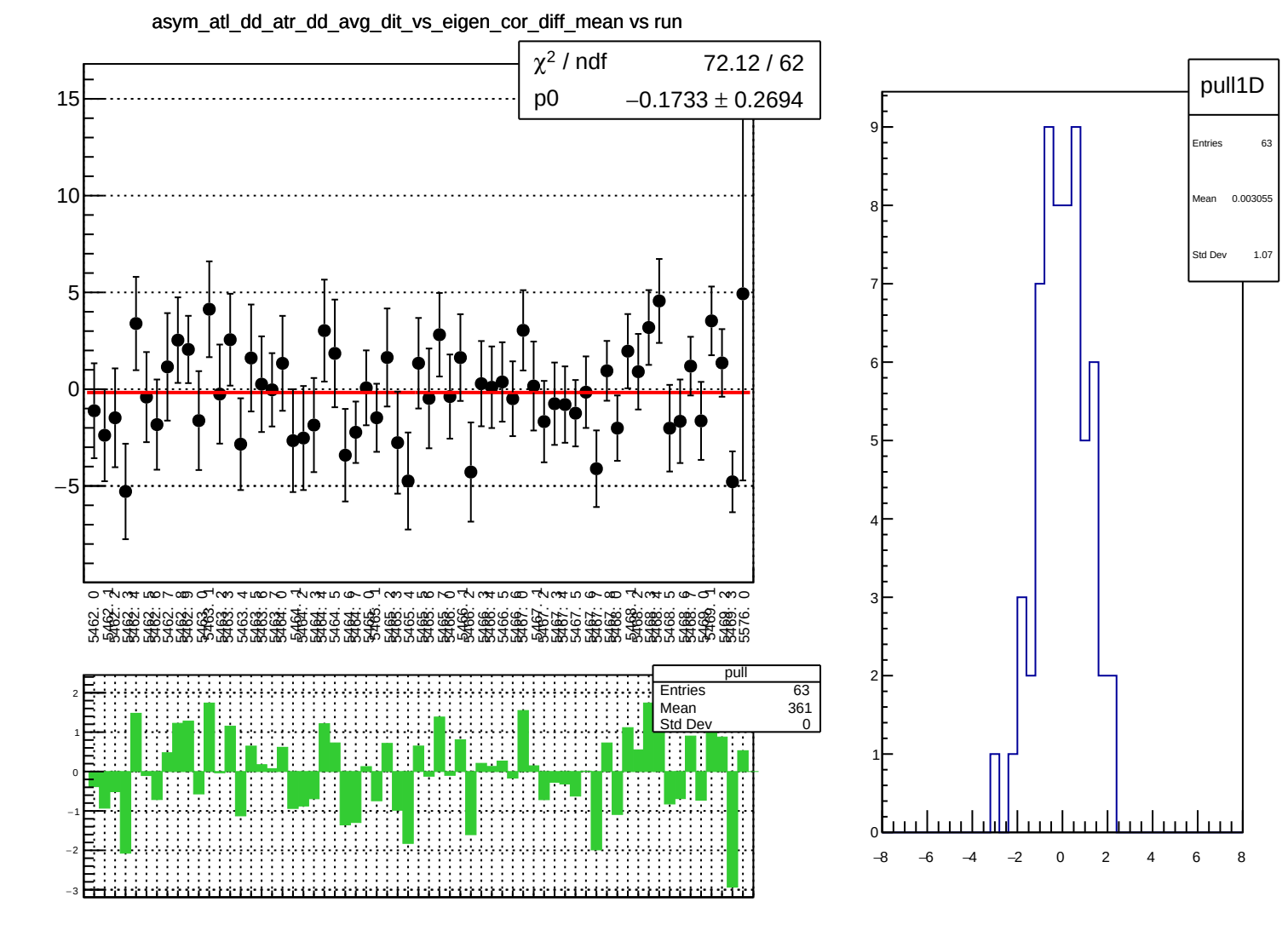

pull1D
Entries 63
Mean −0.007556
Std Dev 0.9075

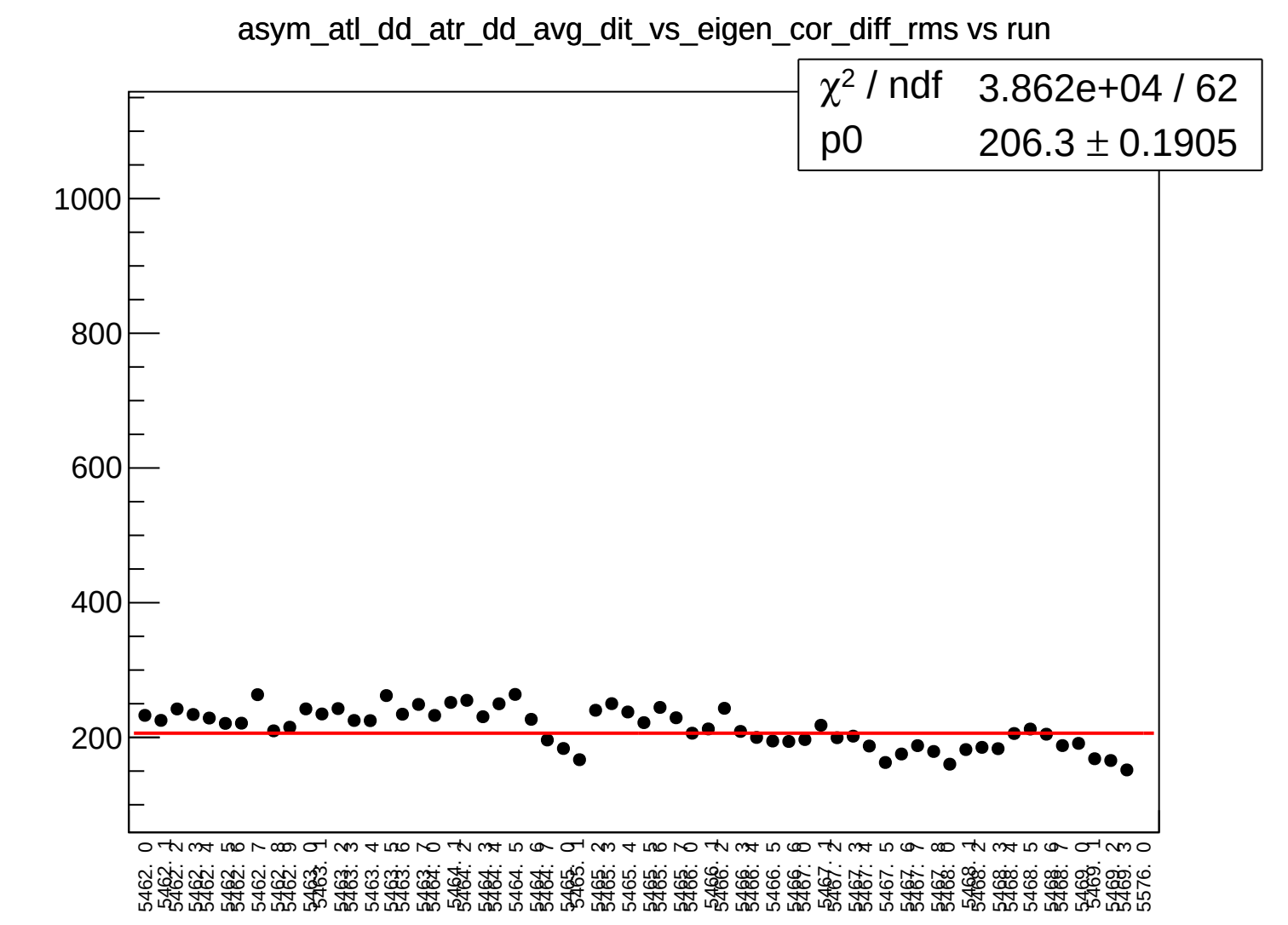

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.257e+05 / 62
p0 9.613e−11 ± 1.257e−13
1600
1400
1200
1000
800
600
400
200
0

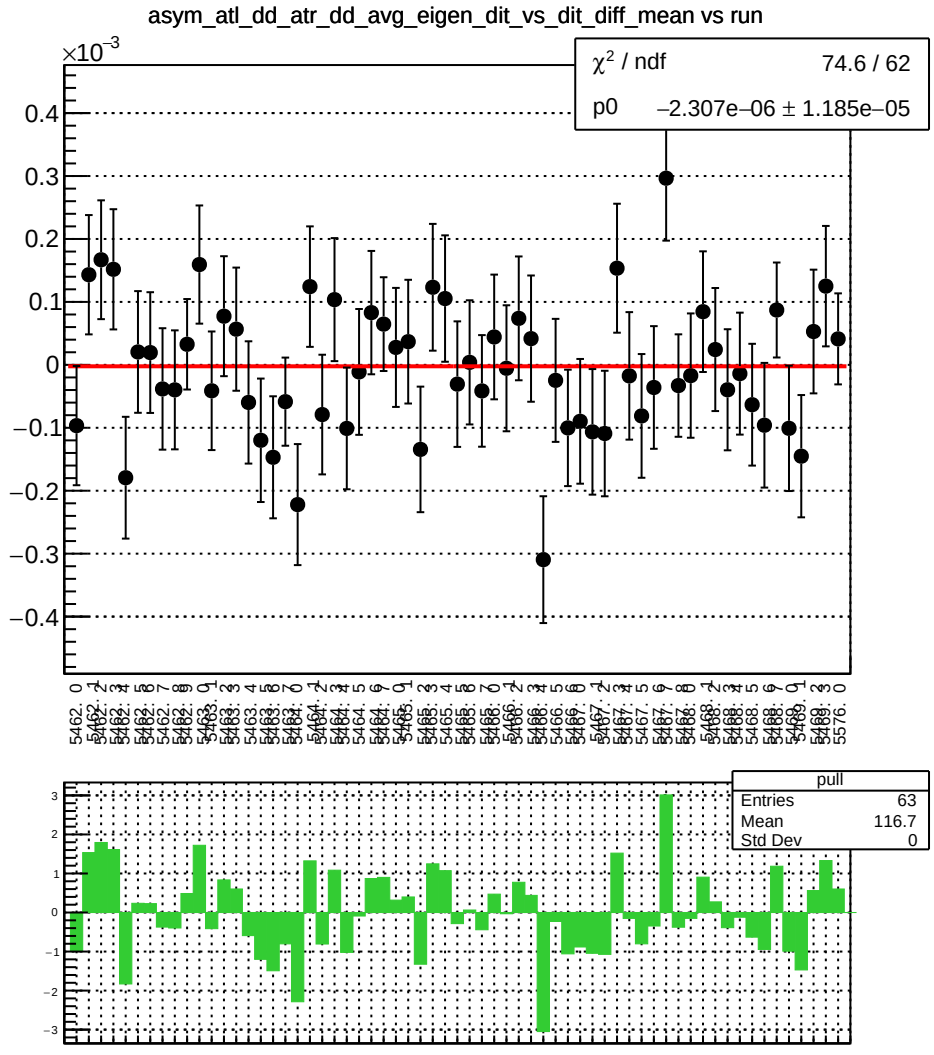

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0

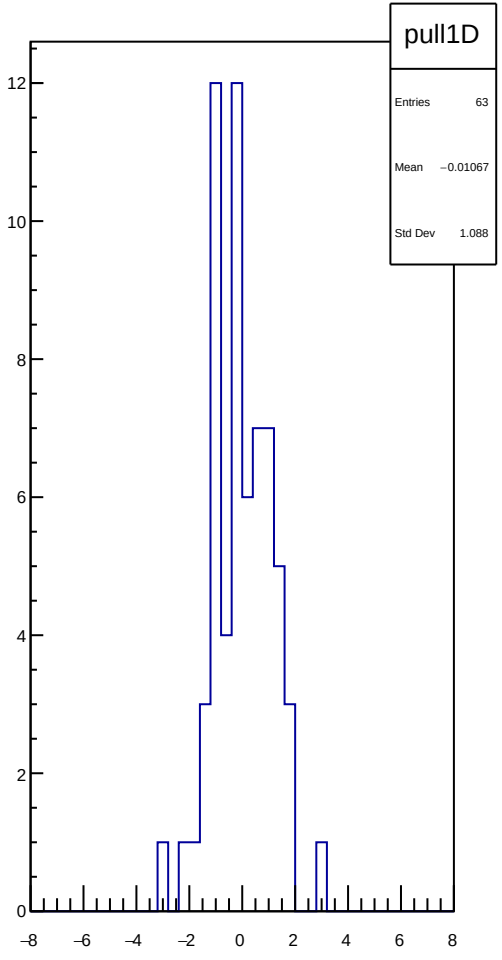

pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

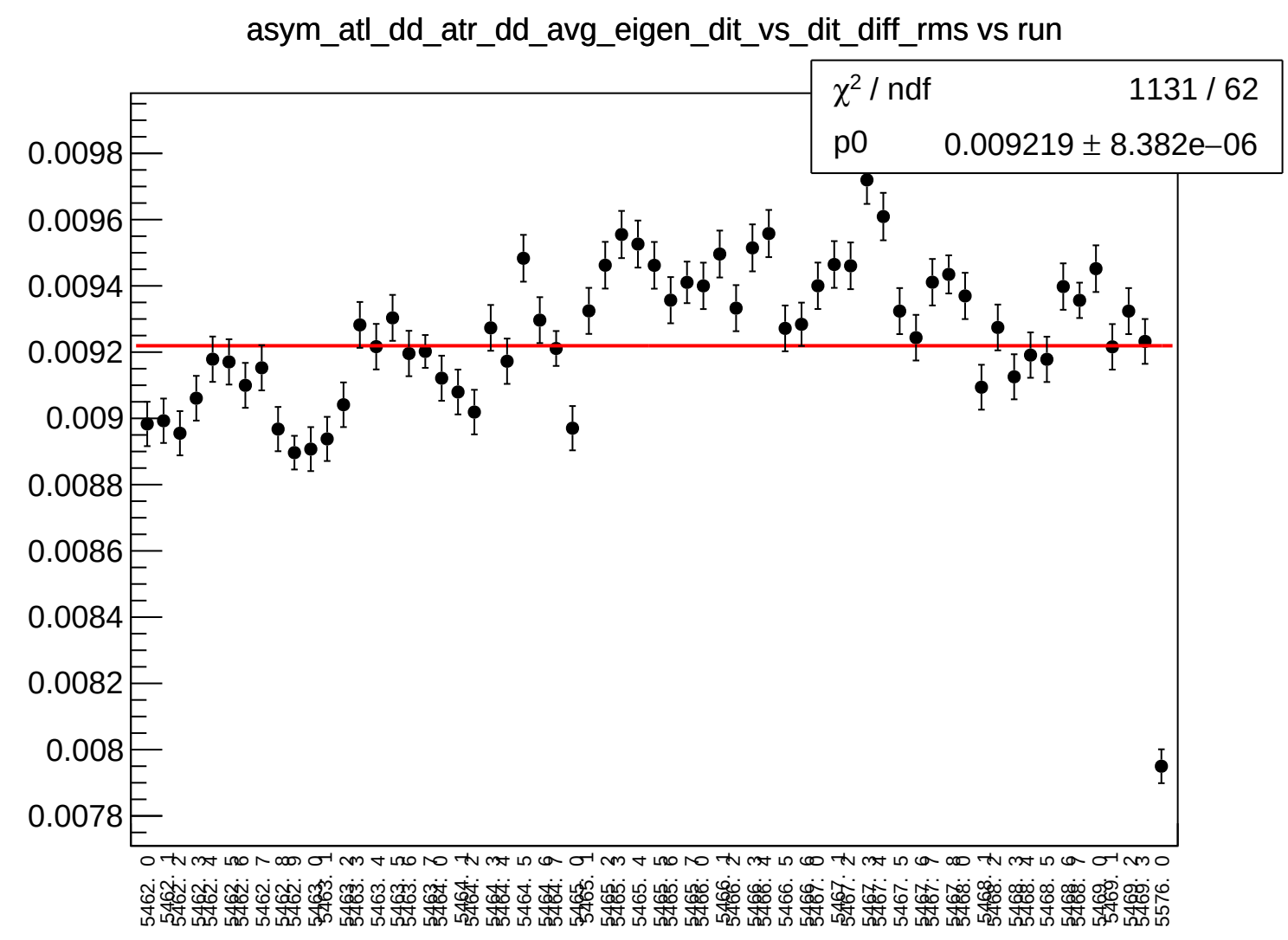

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.6 / 62
p0 −2.307e−06 ± 1.185e−05
pull
Entries 63
Mean 116.7
Std Dev 0


pull1D
Entries 63
Mean −0.01067
Std Dev 1.088


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1131 / 62
p0 0.009219 ± 8.382e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
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5463. 6
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5464. 7
5464. 9
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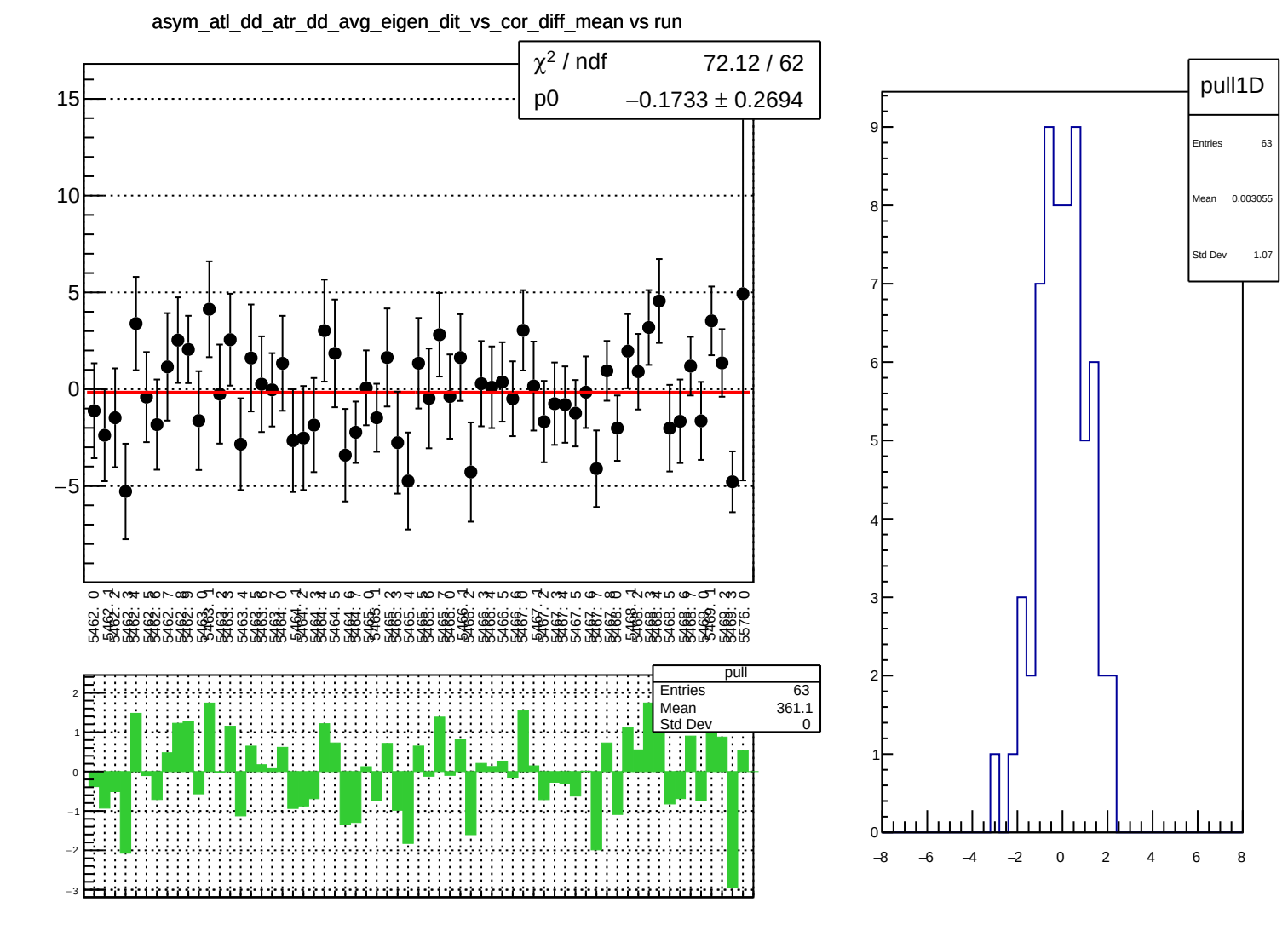
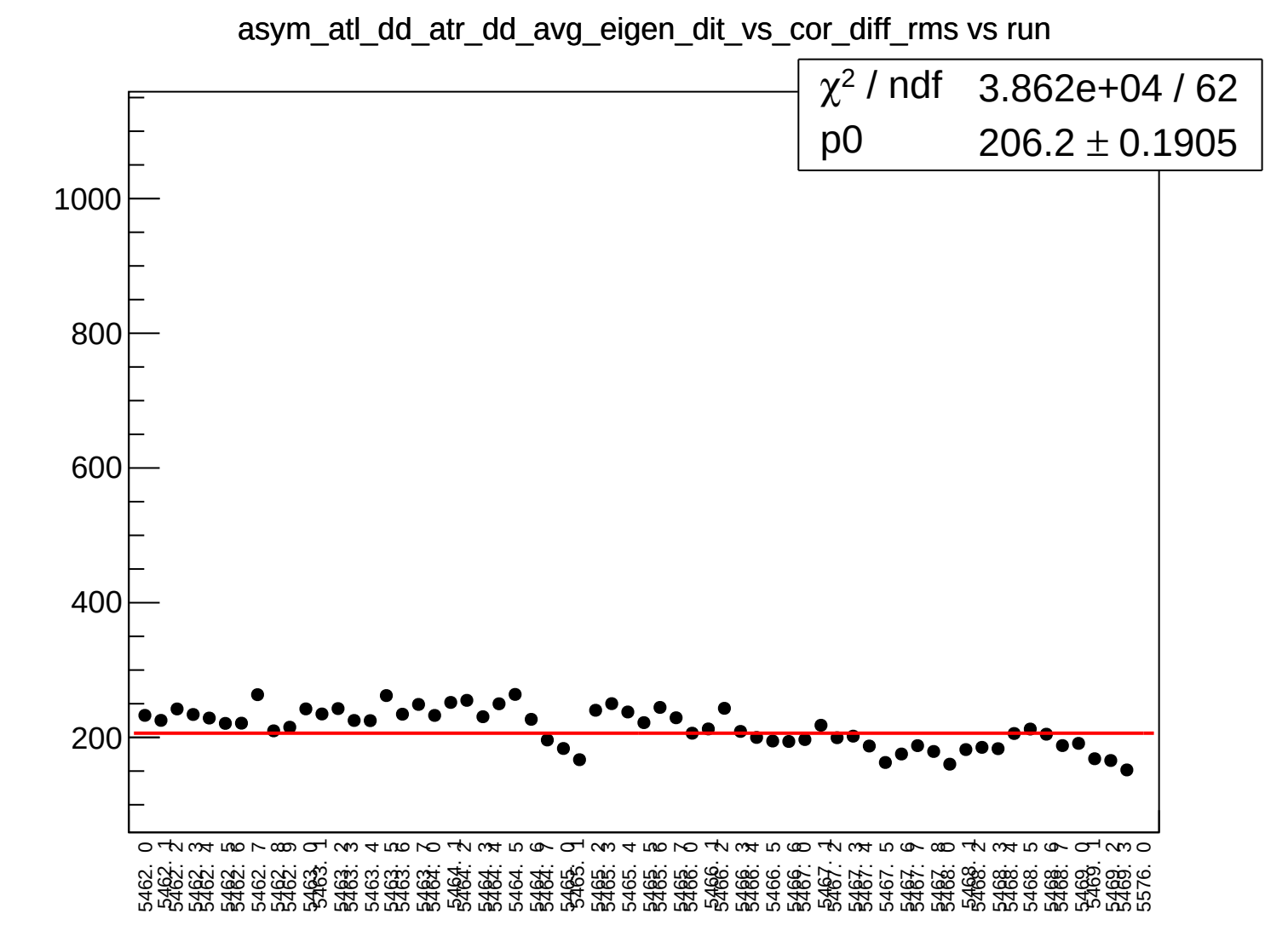
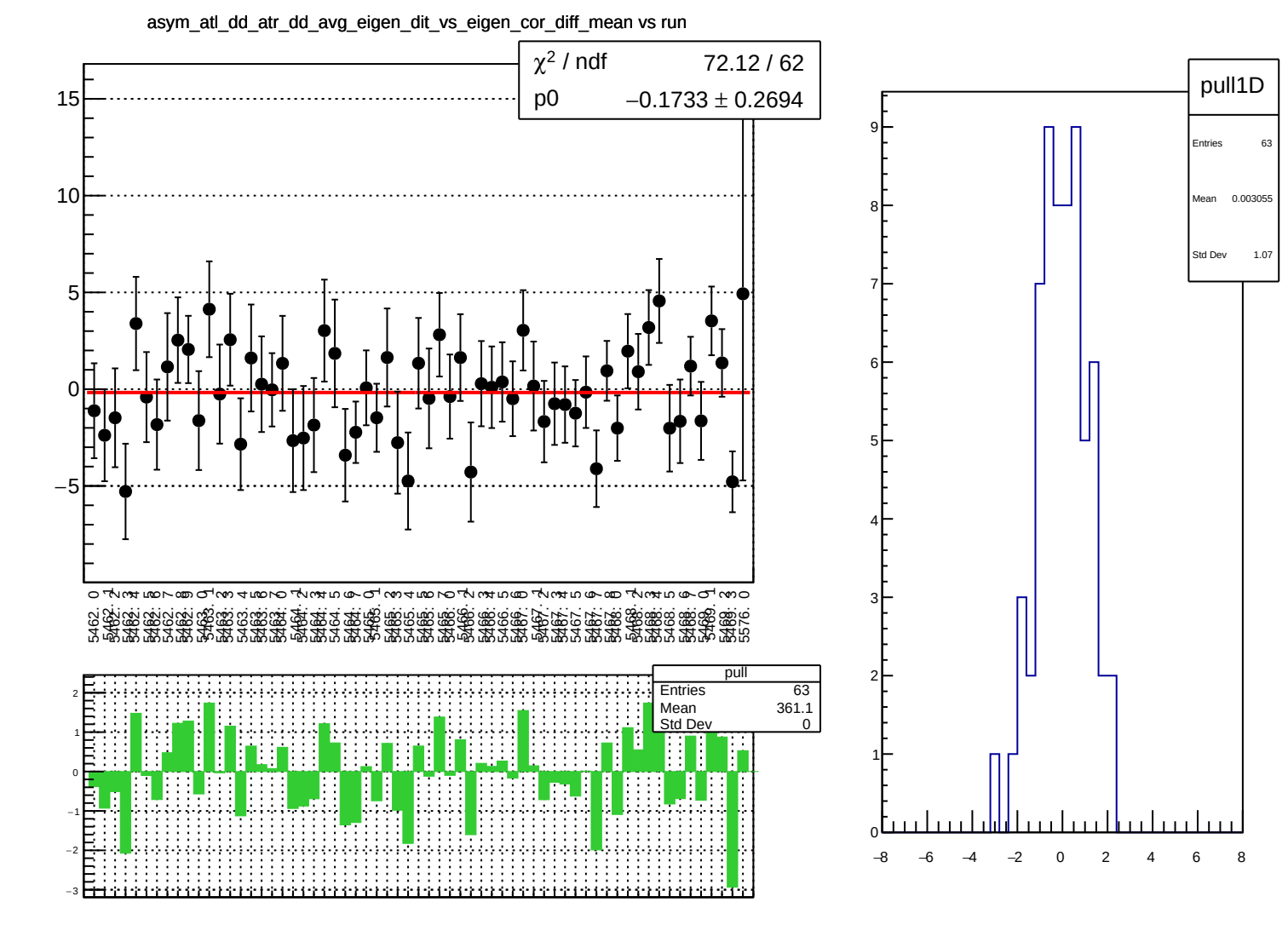
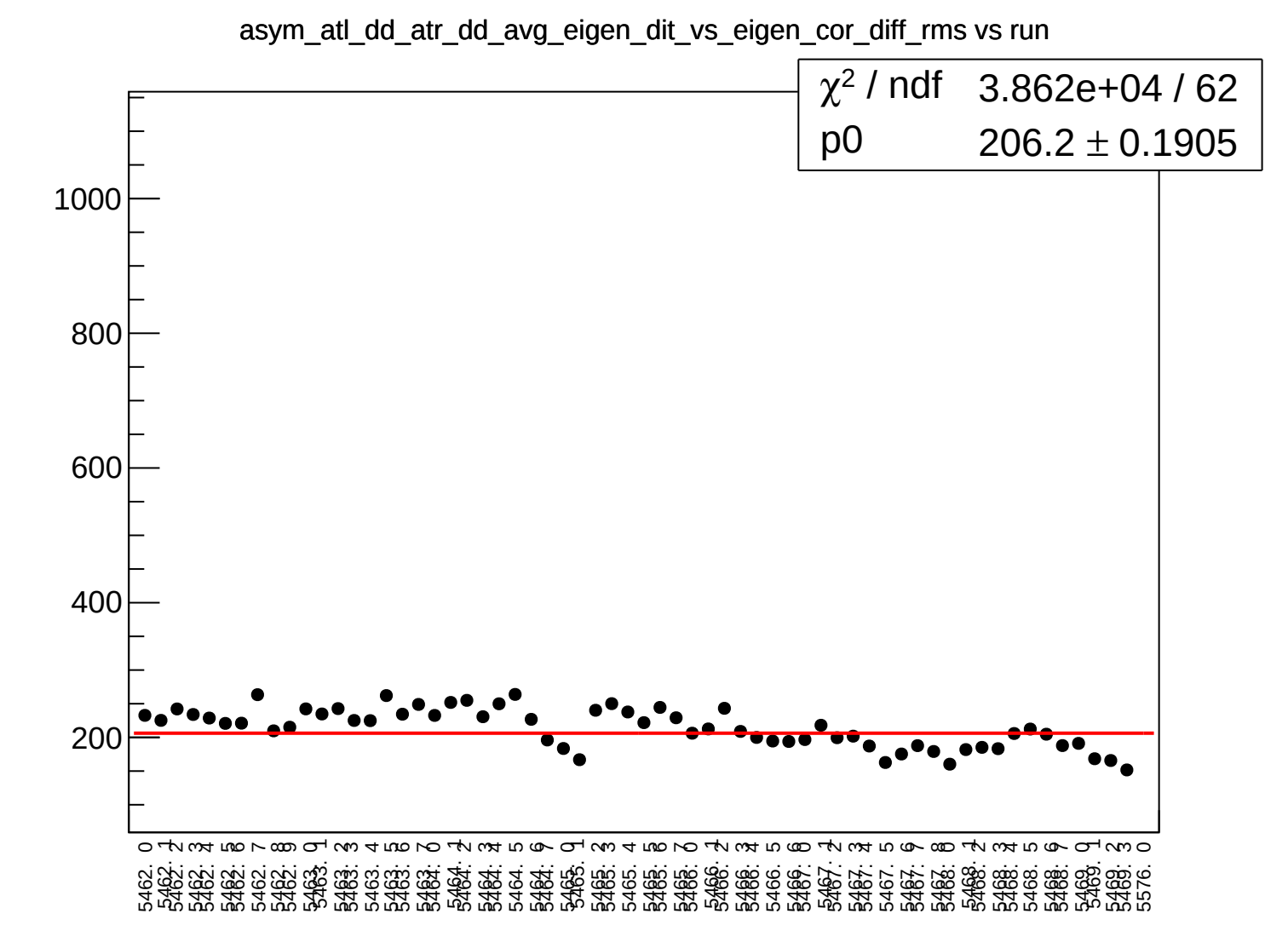
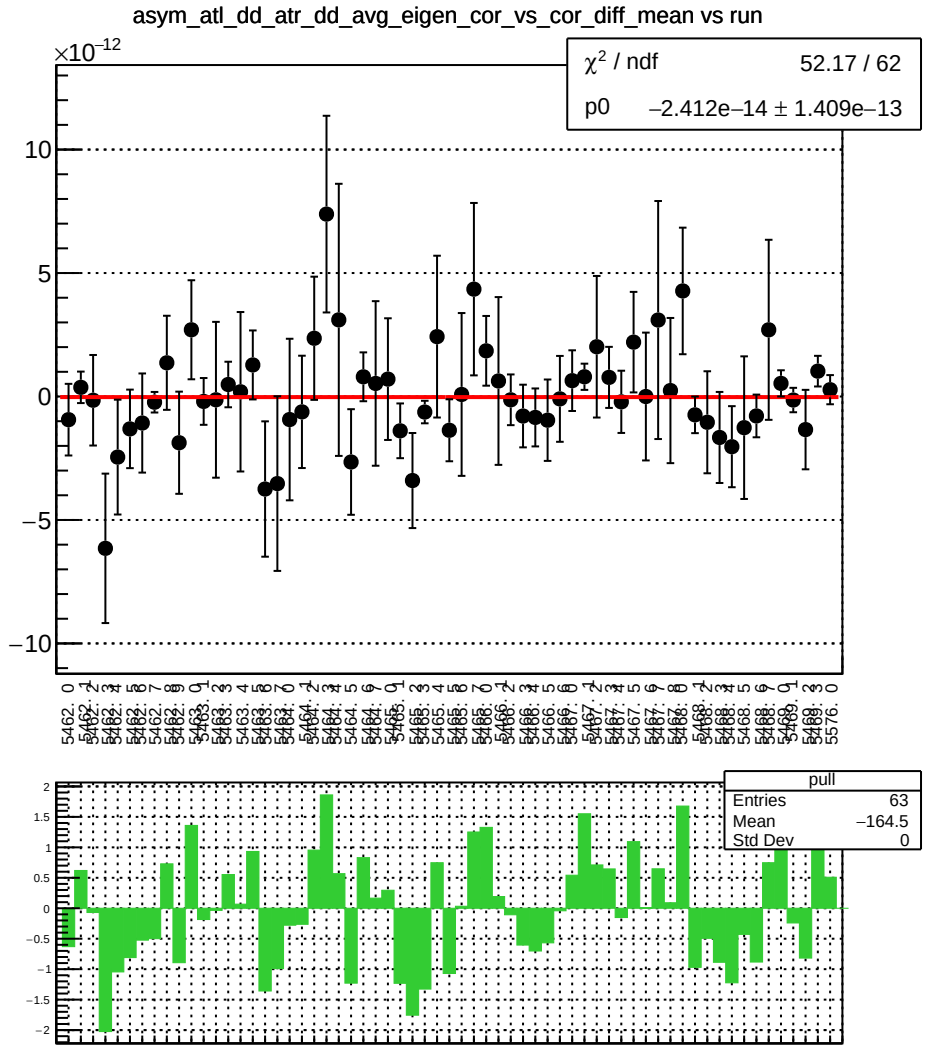
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

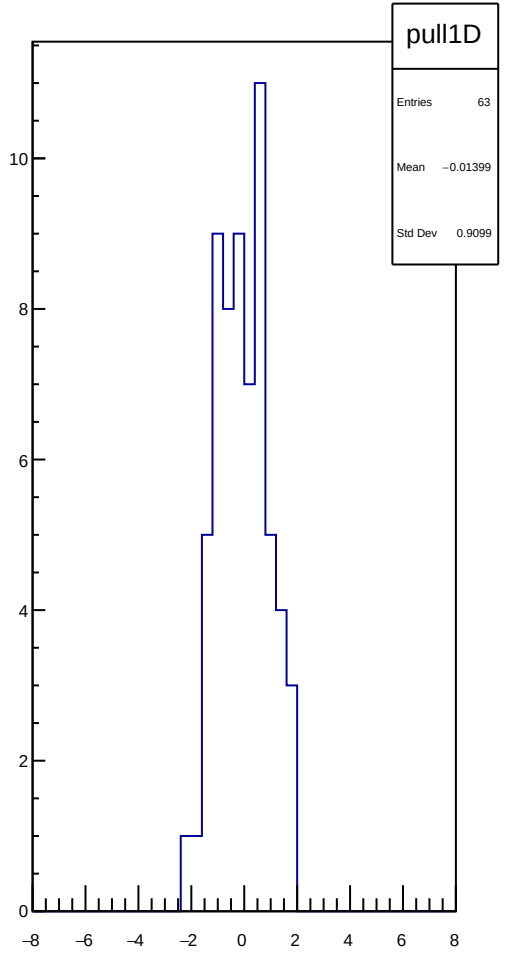

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

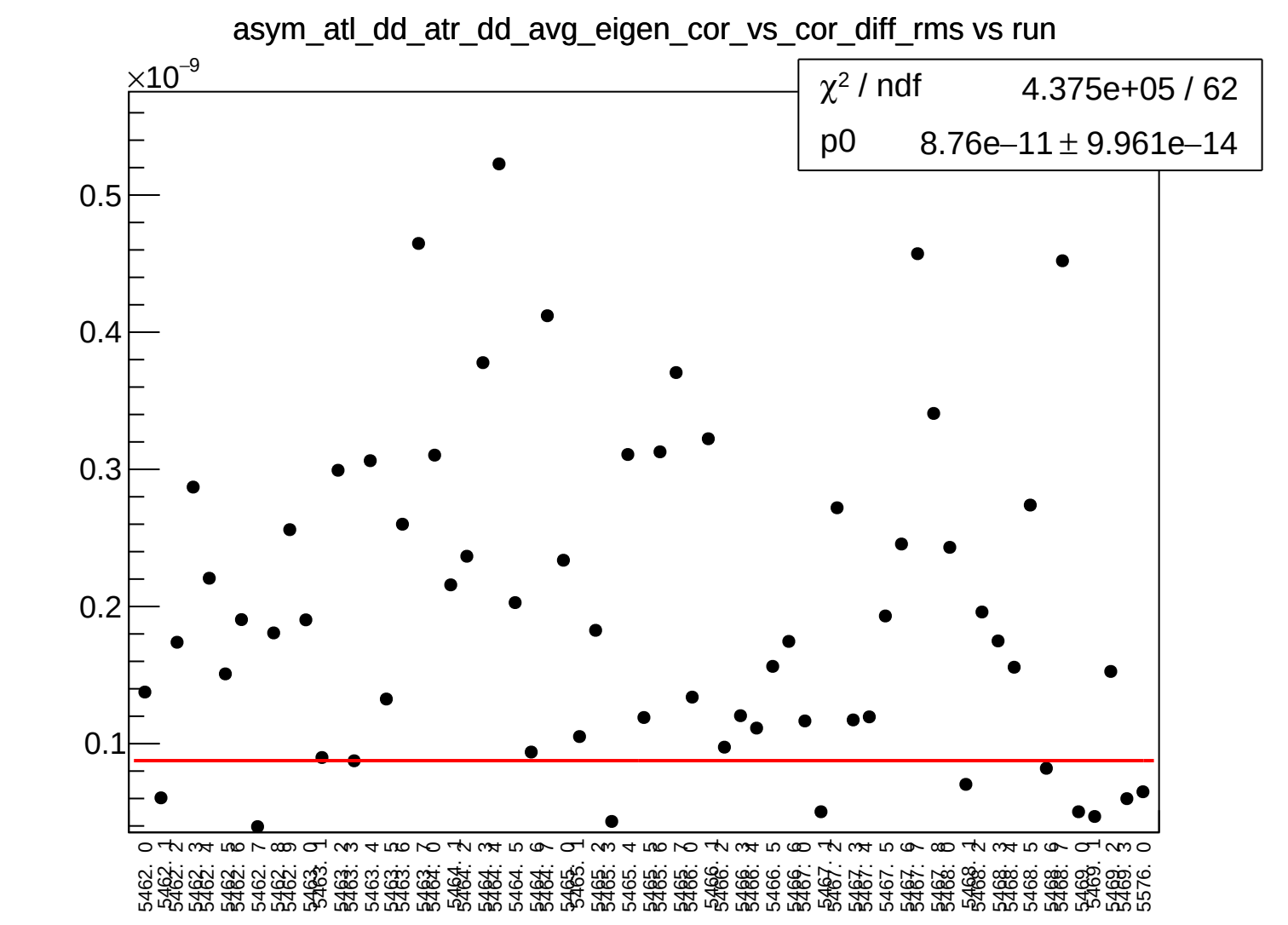

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

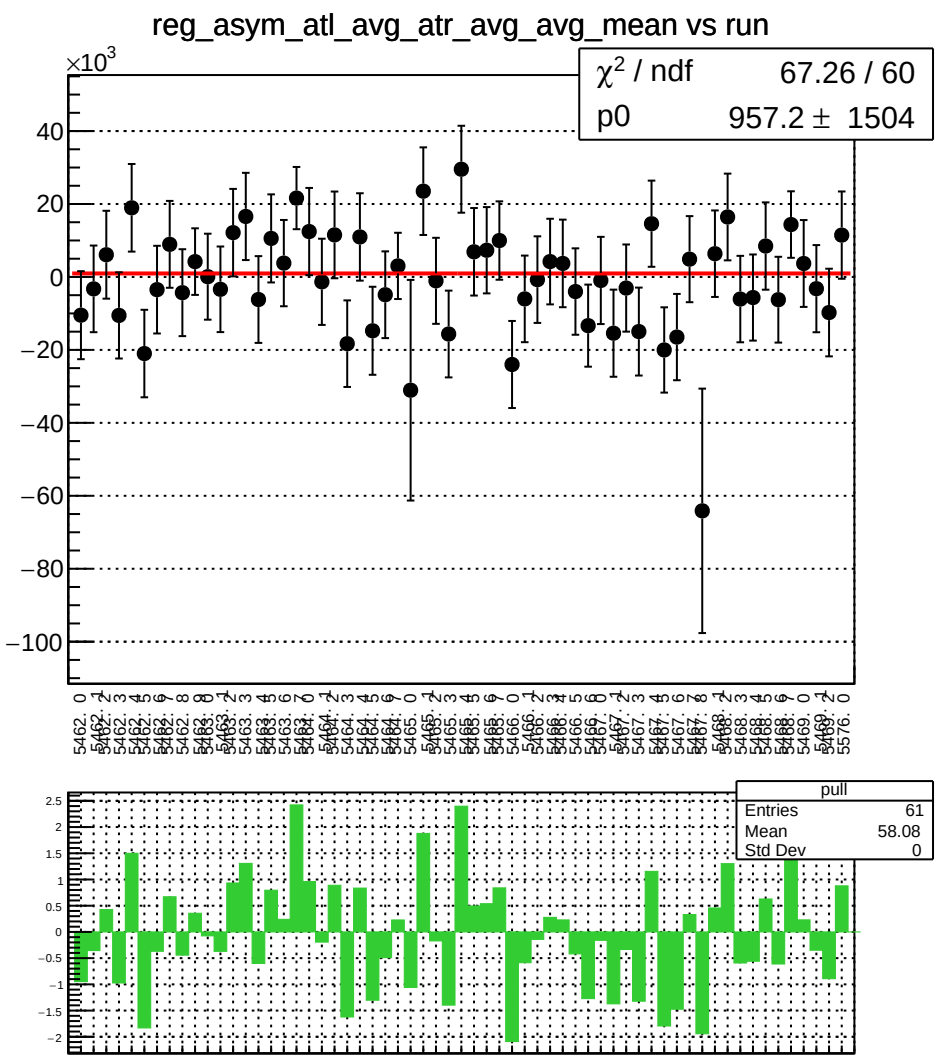

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

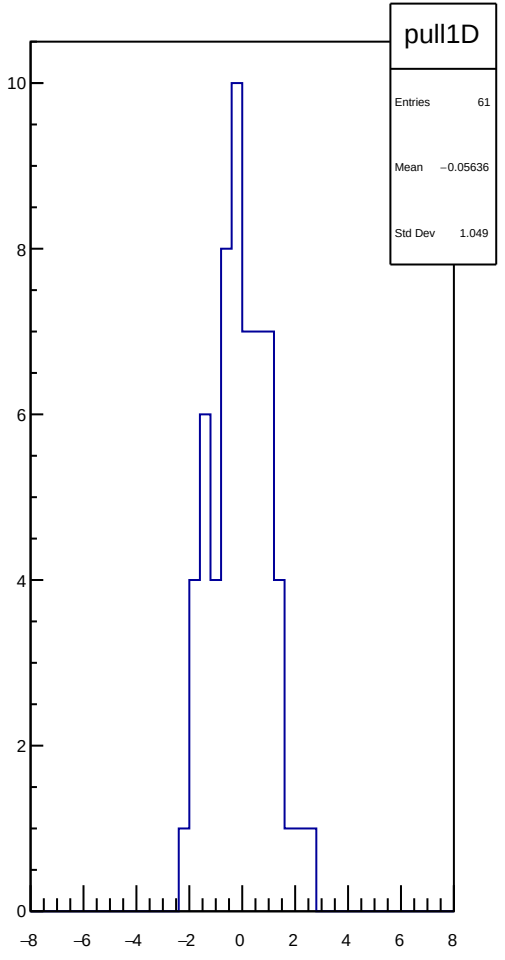

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

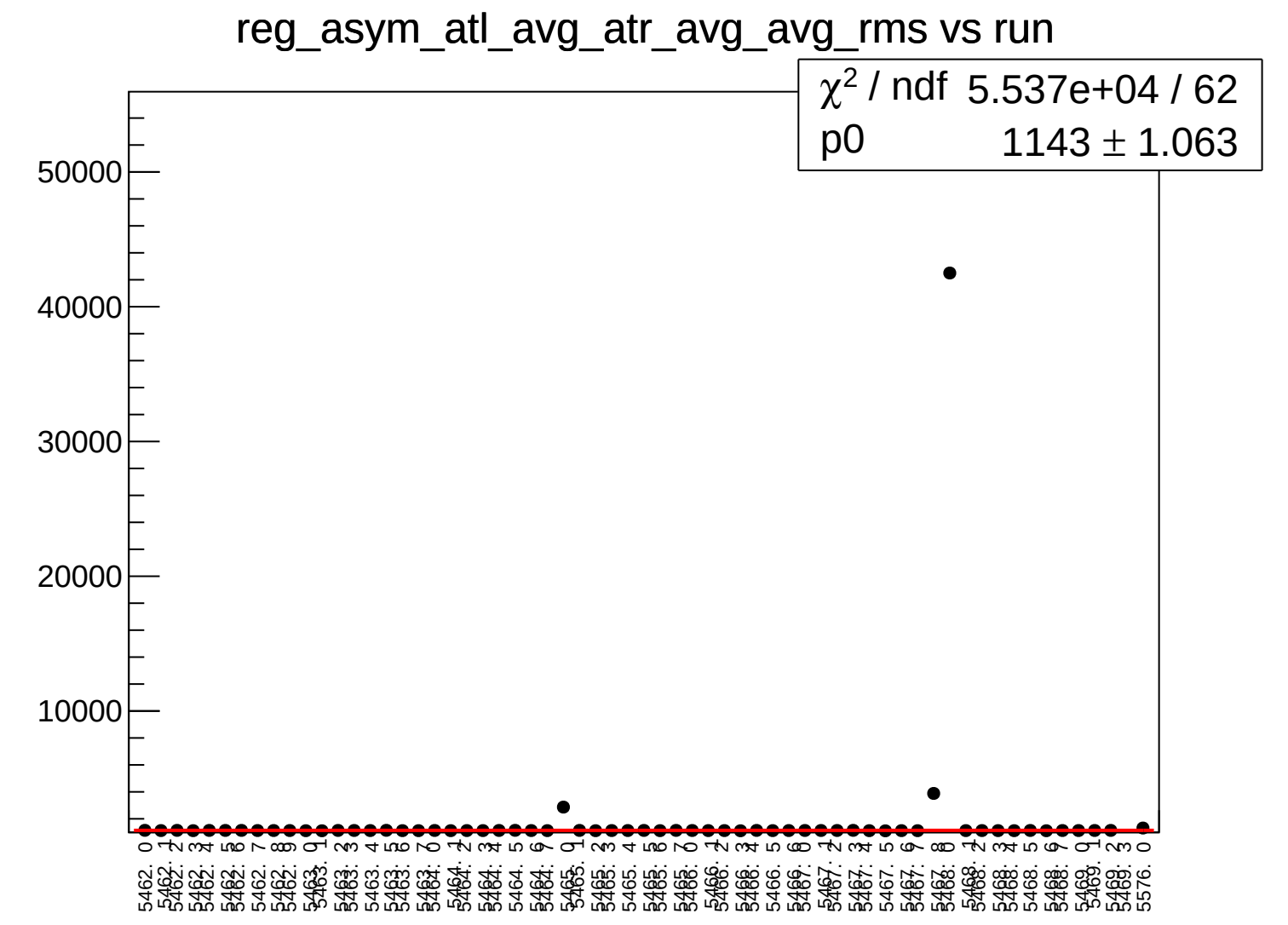

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.17 / 62
p0 −2.412e−14 ± 1.409e−13
pull
Entries 63
Mean −164.5
Std Dev 0

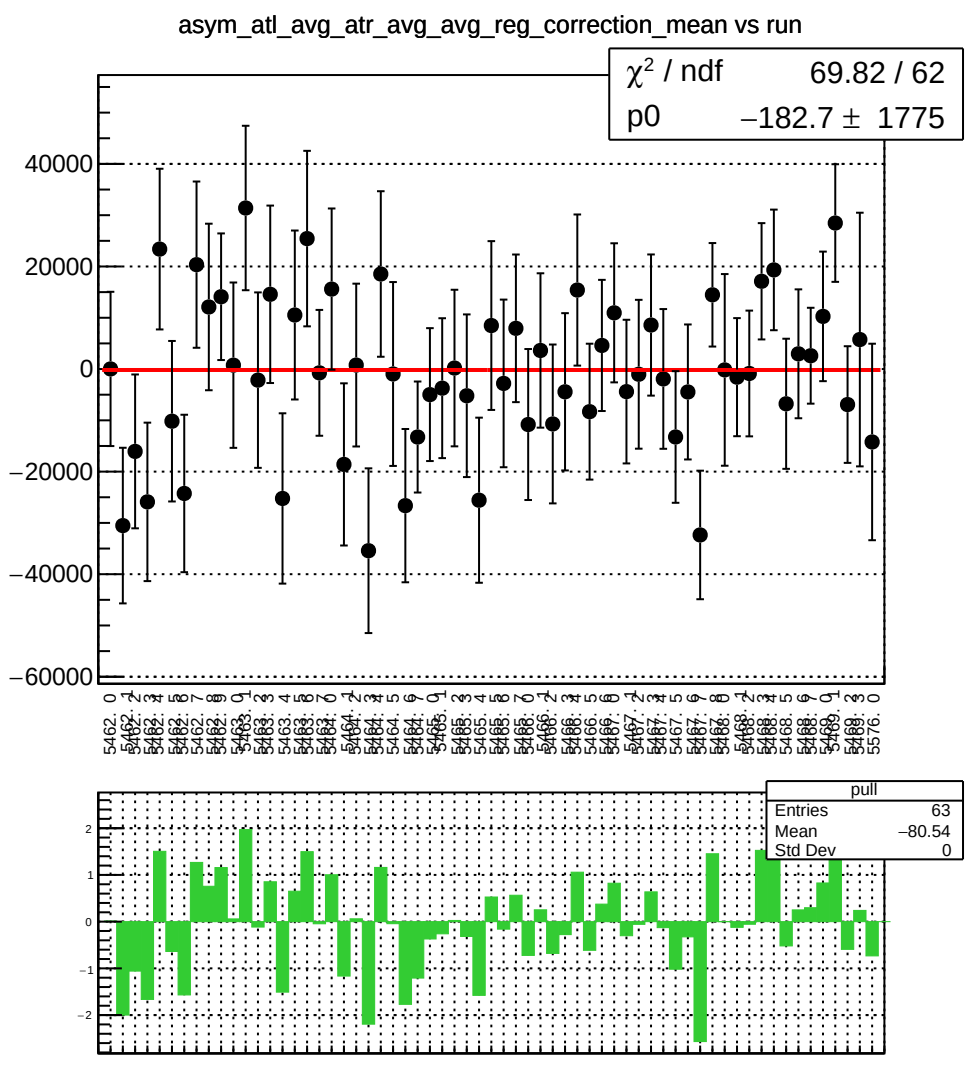

pull1D
Entries 63
Mean −0.01399
Std Dev 0.9099

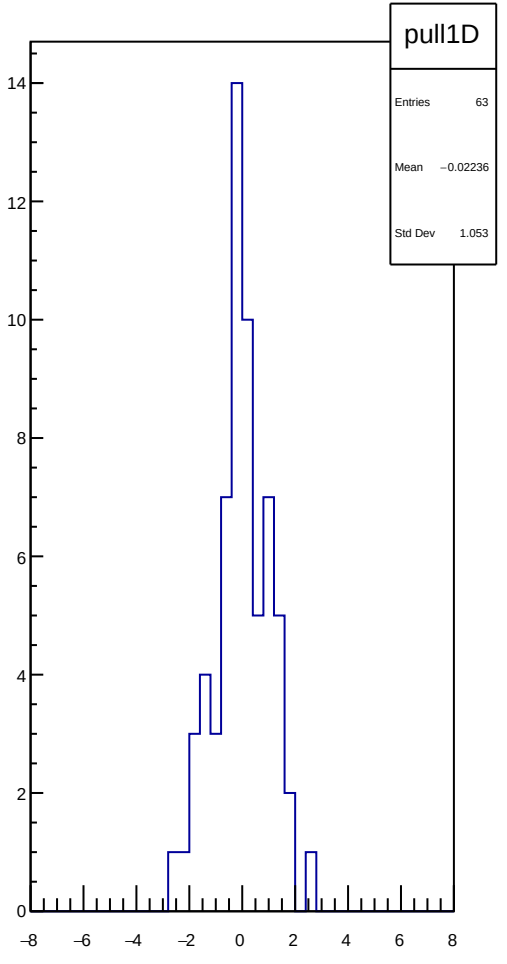

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.375e+05 / 62
p0 8.76e−11 ± 9.961e−14
0.5
0.4
0.3
0.2
0.1

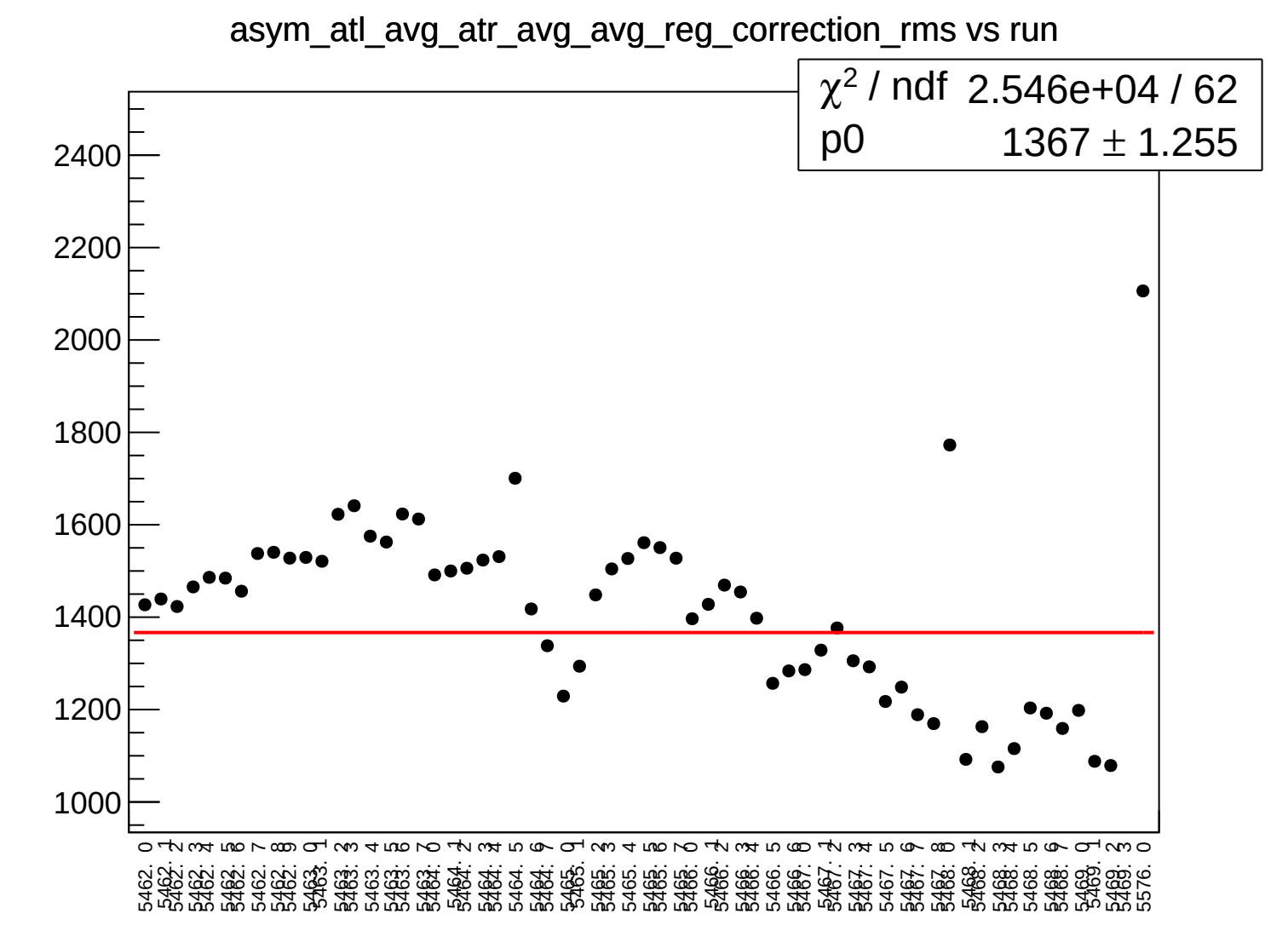

reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 67.26 / 60
p0 957.2 ± 1504
pull
Entries 61
Mean 58.08
Std Dev 0

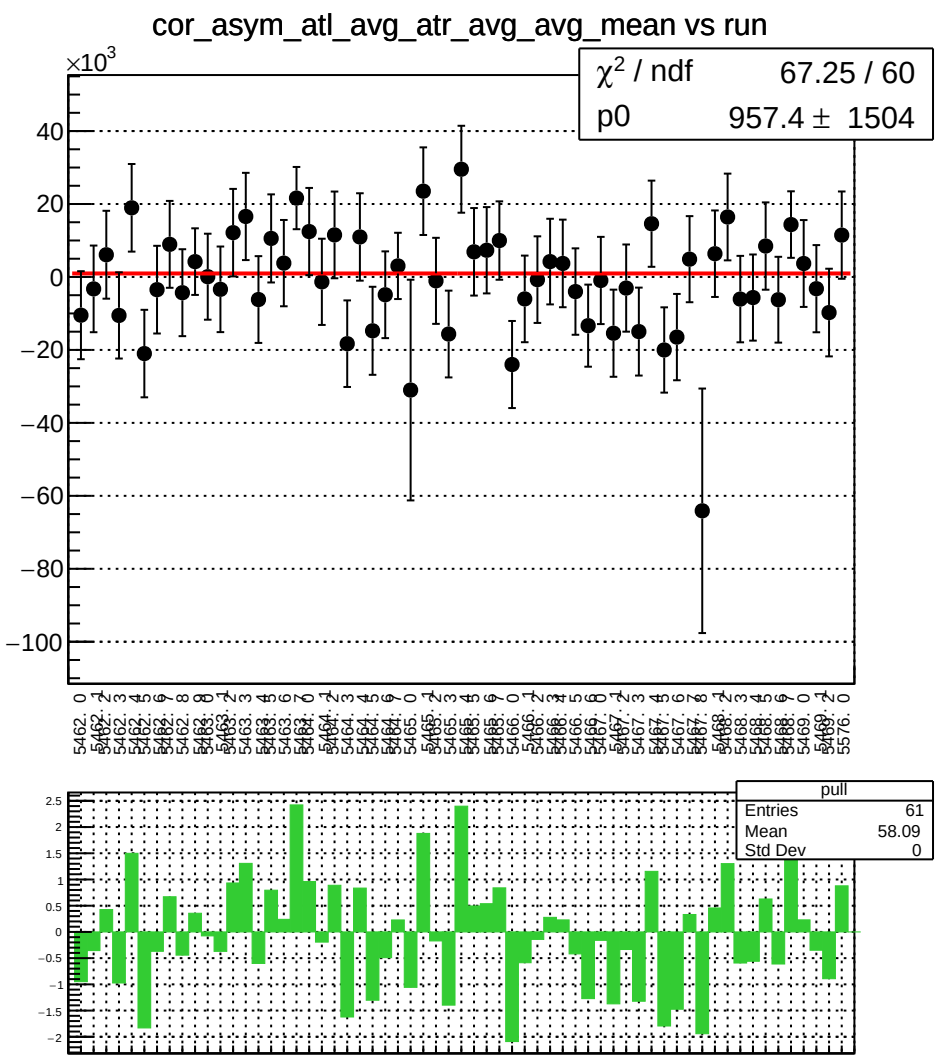

pull1D
Entries 61
Mean −0.05636
Std Dev 1.049

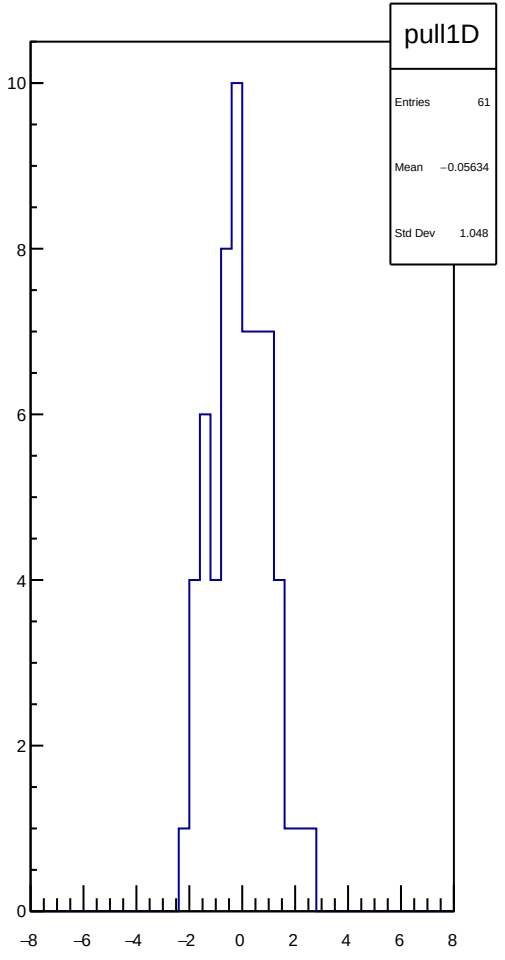

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.537e+04 / 62
p0 1143 ± 1.063
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

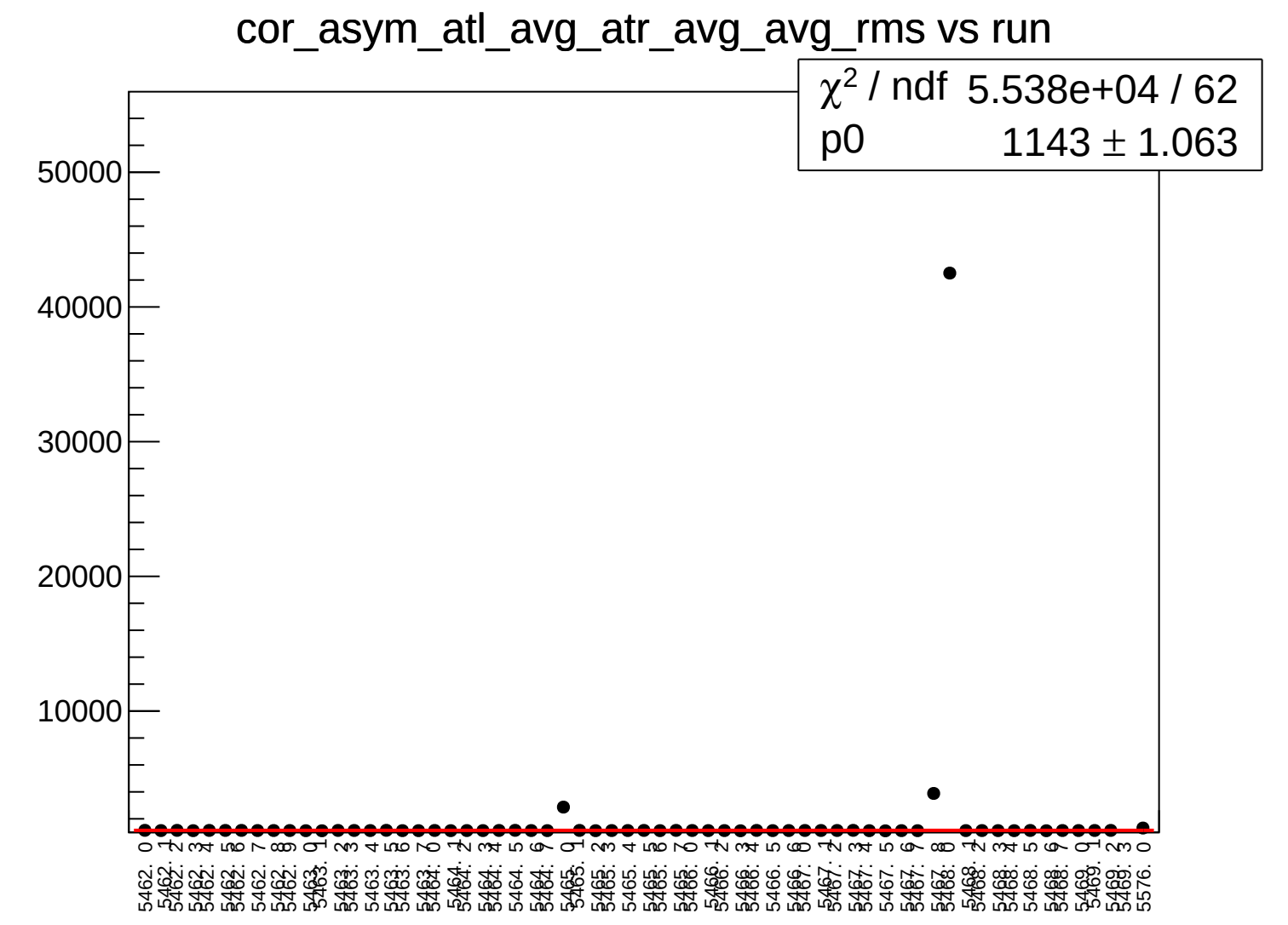

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
χ² / ndf 69.82 / 62
p0 −182.7 ± 1775
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean −80.54
Std Dev 0
2
1
0
−1
−2

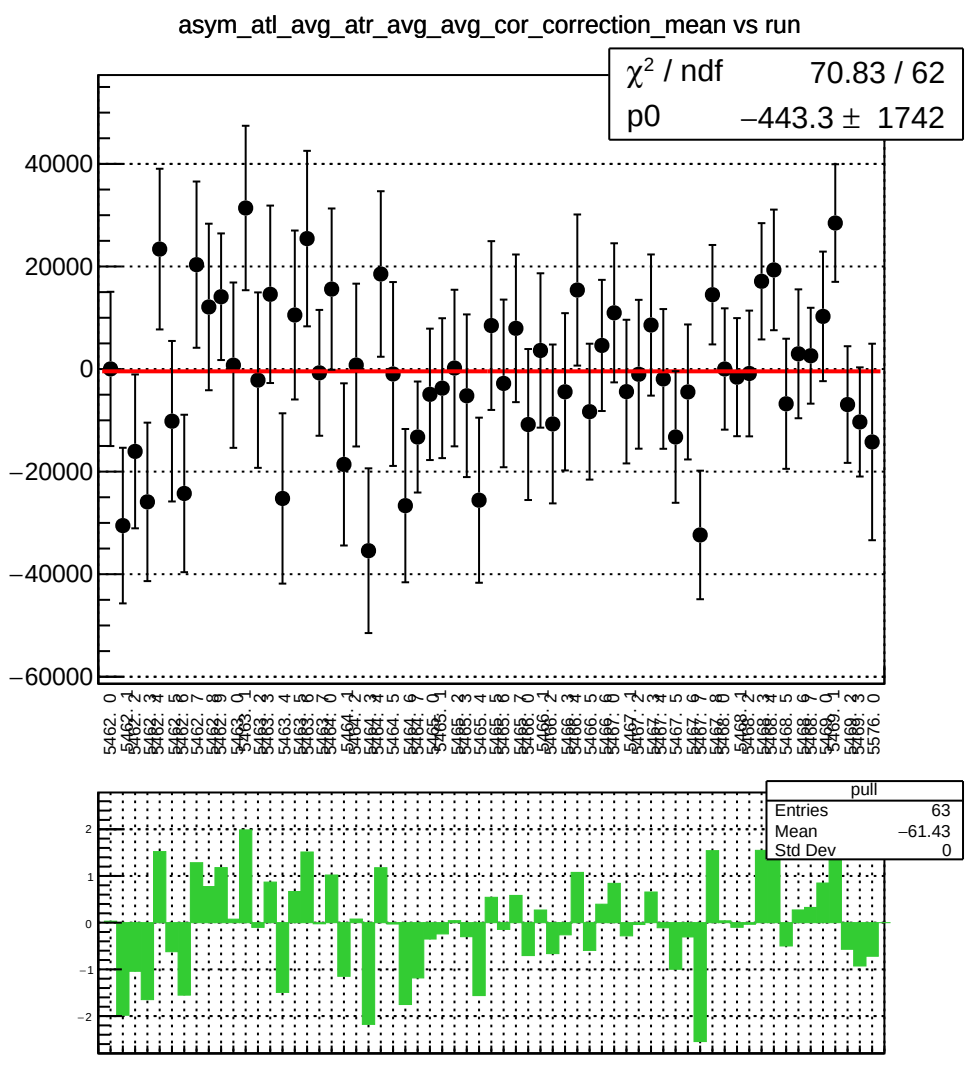

pull1D
Entries 63
Mean −0.02236
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

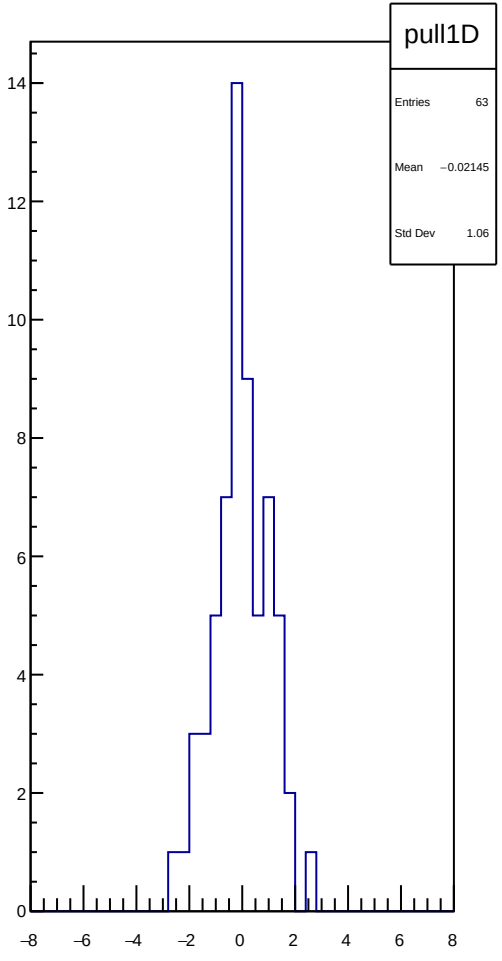

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.546e+04 / 62
p0 1367 ± 1.255
2400
2200
2000
1800
1600
1400
1200
1000

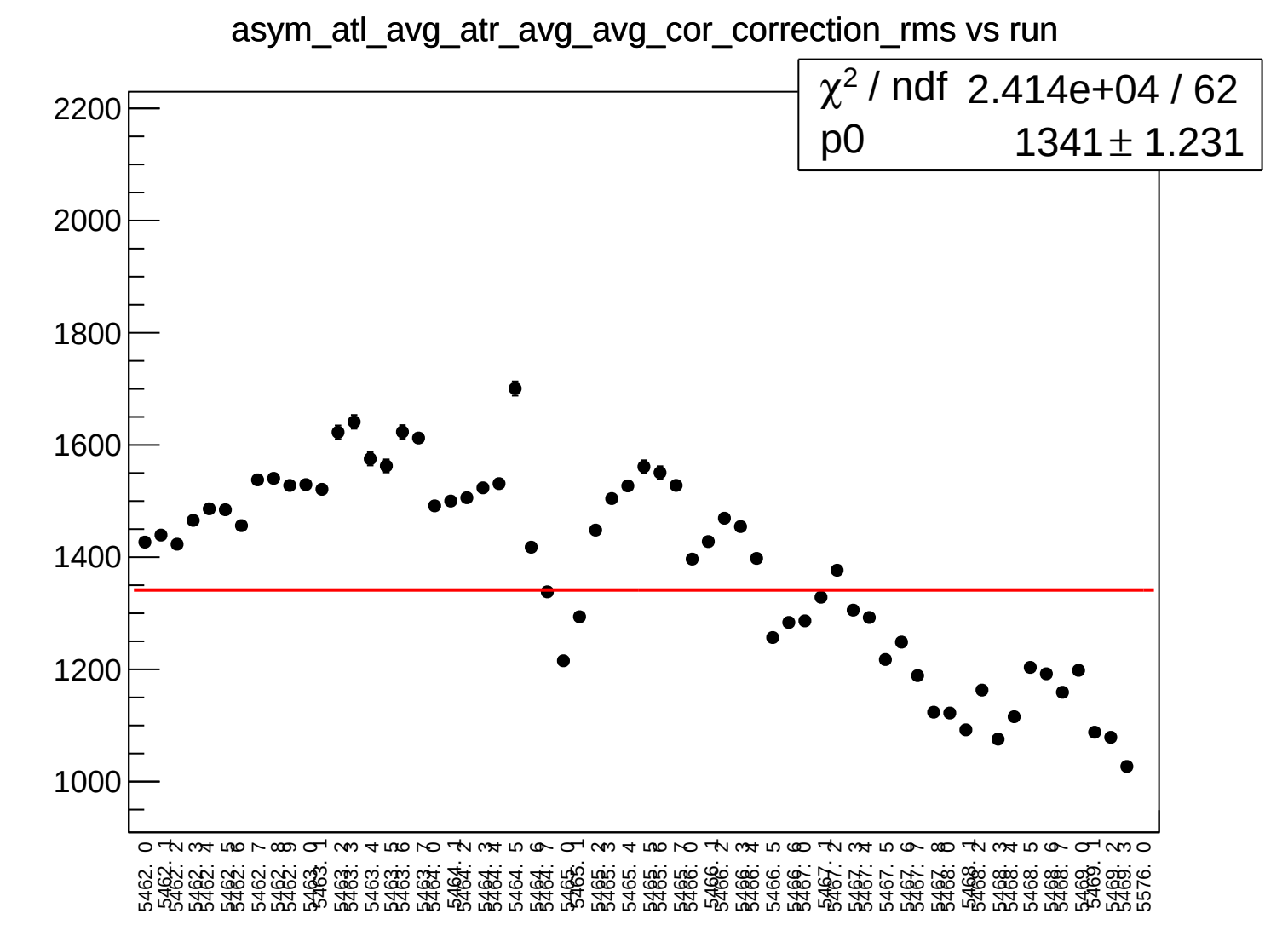

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.25 / 60
p0 957.4 ± 1504
pull
Entries 61
Mean 58.09
Std Dev 0

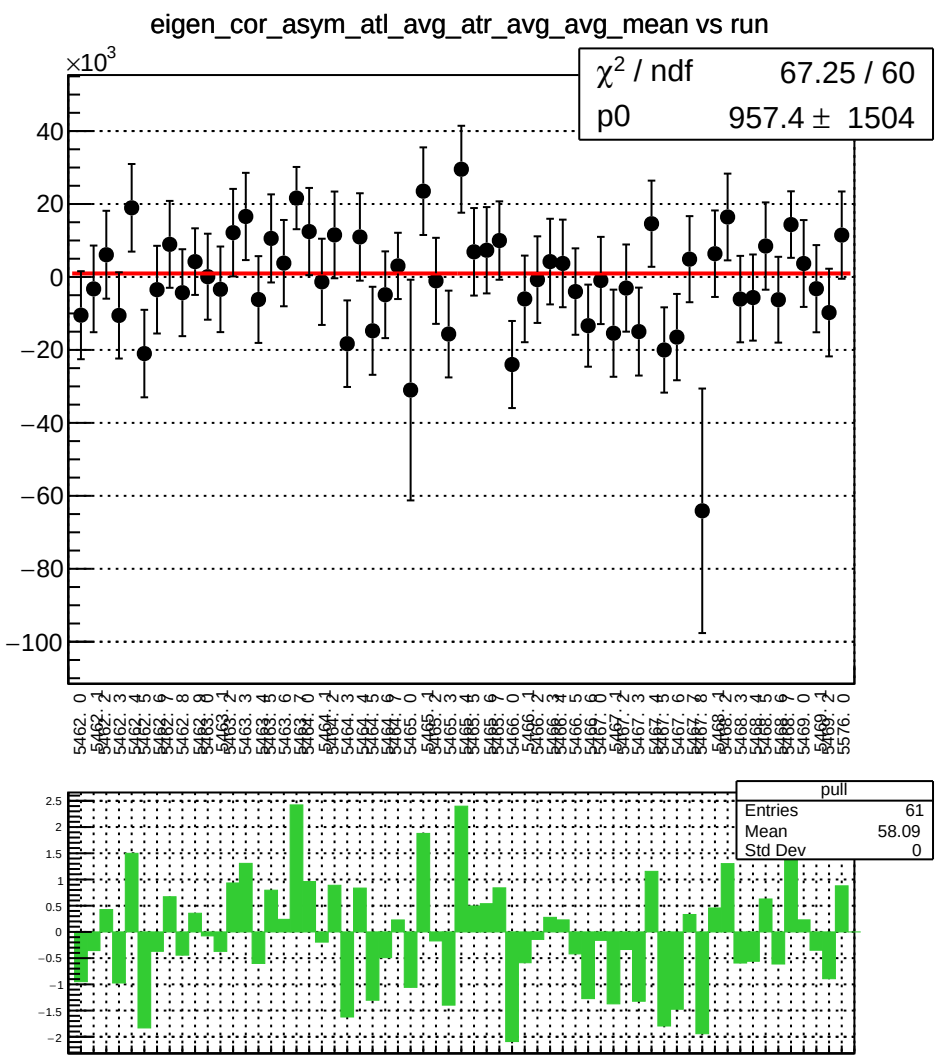

pull1D
Entries 61
Mean −0.05634
Std Dev 1.048

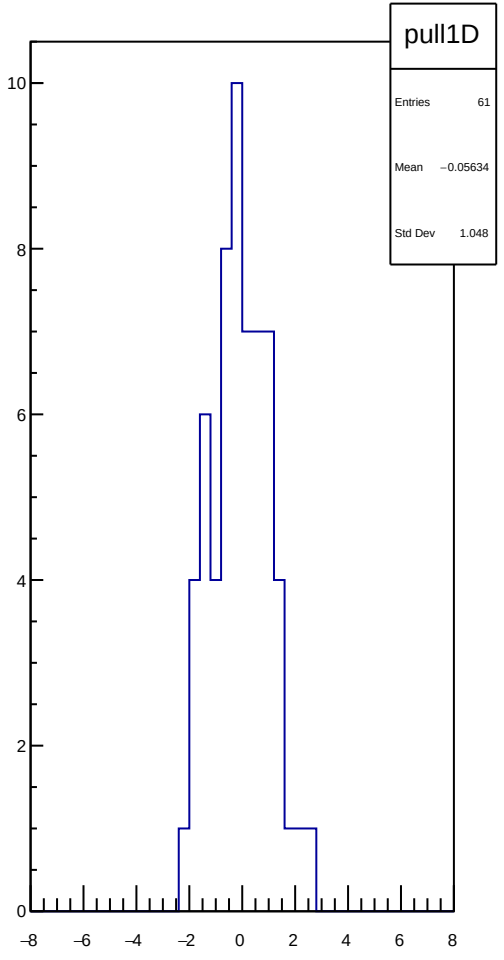

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.538e+04 / 62
p0 1143 ± 1.063
50000
40000
30000
20000
10000
5462. 0
5576. 0

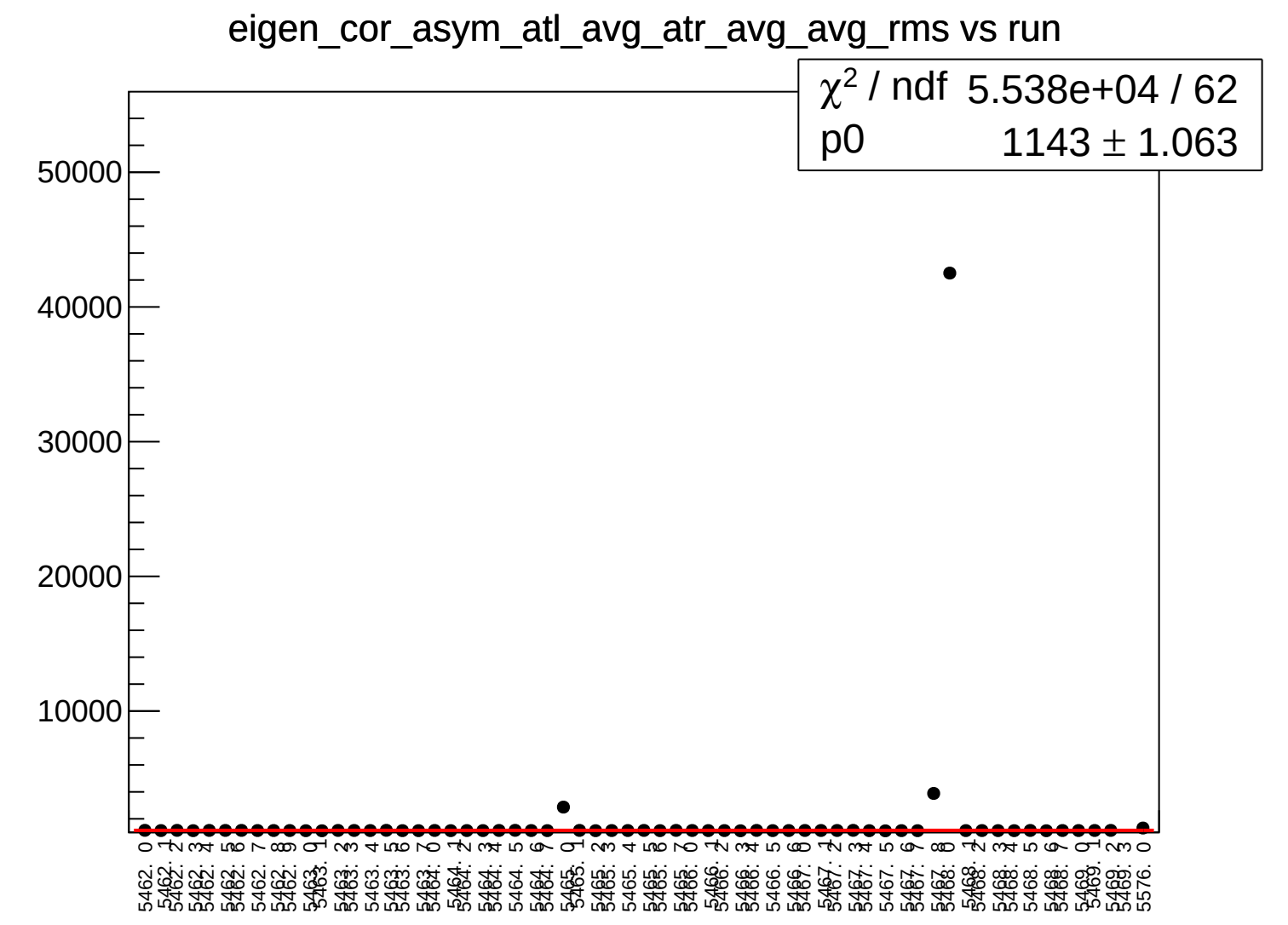

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
χ² / ndf 70.83 / 62
p0 −443.3 ± 1742
pull
Entries 63
Mean −61.43
Std Dev 0

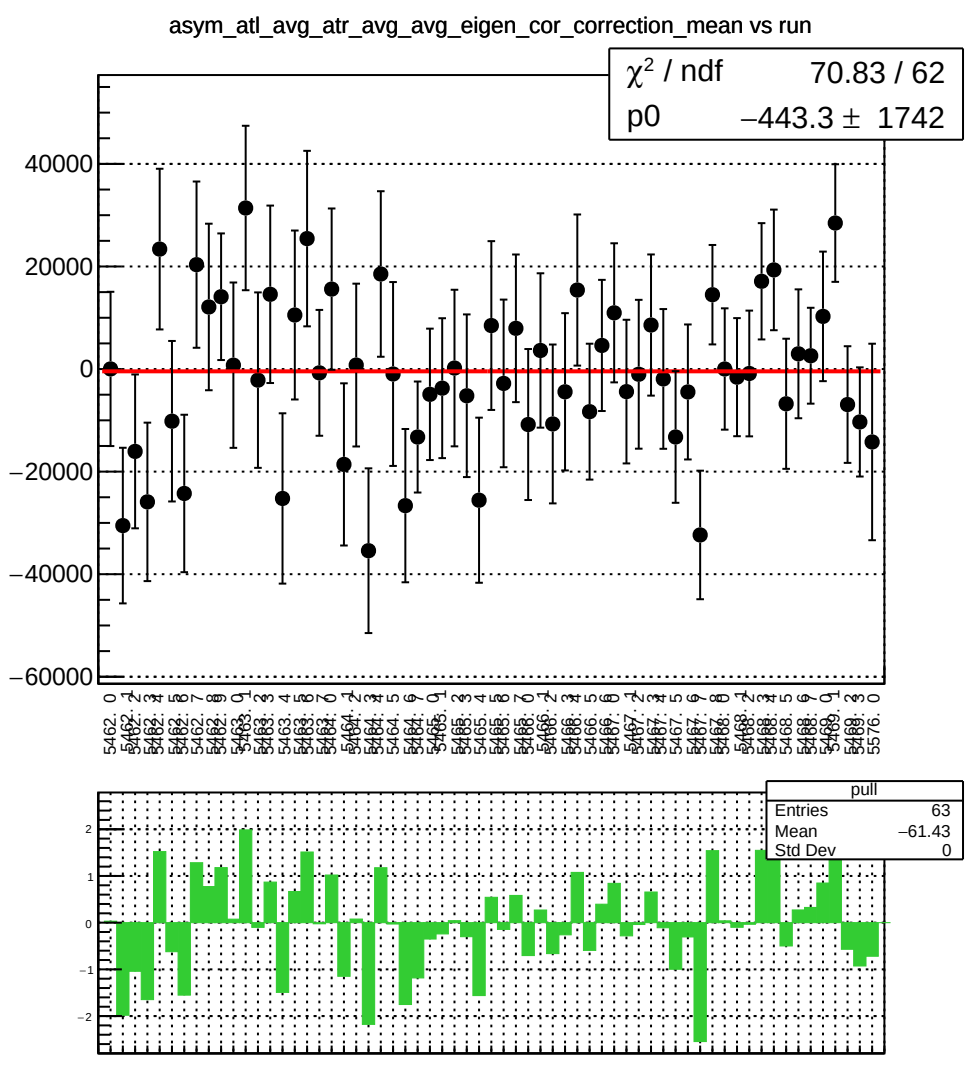

pull1D
Entries 63
Mean −0.02145
Std Dev 1.06

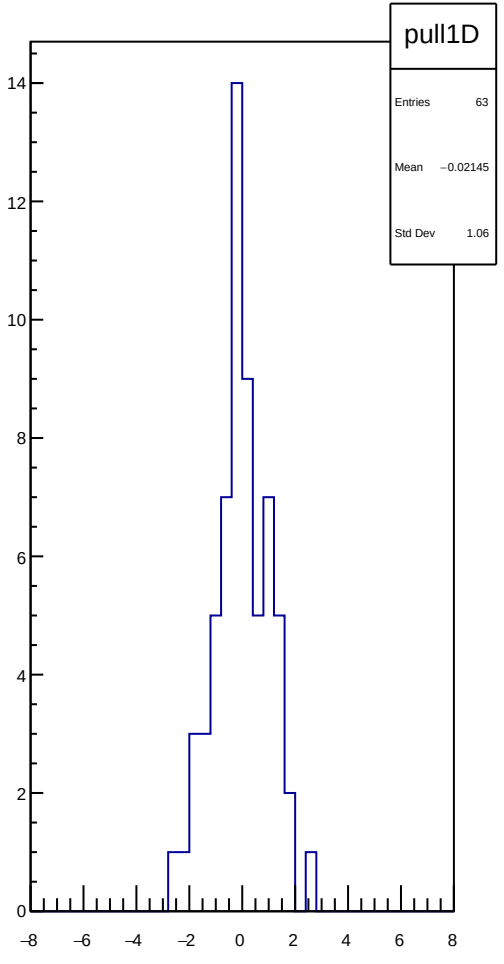

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.414e+04 / 62
p0 1341 ± 1.231
2200
2000
1800
1600
1400
1200
1000

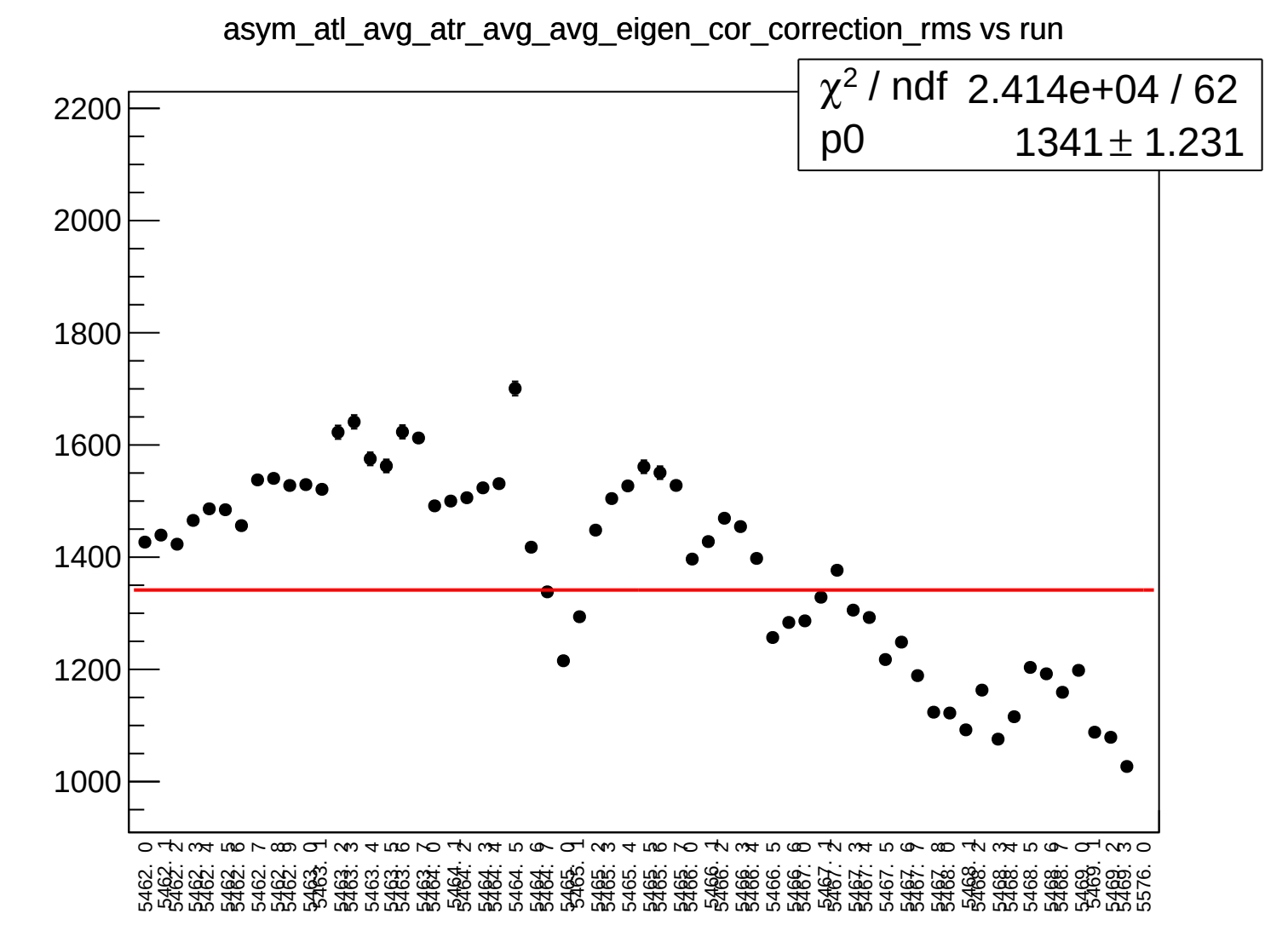

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.25 / 60
p0 957.4 ± 1504
×10³
pull
Entries 61
Mean 58.09
Std Dev 0

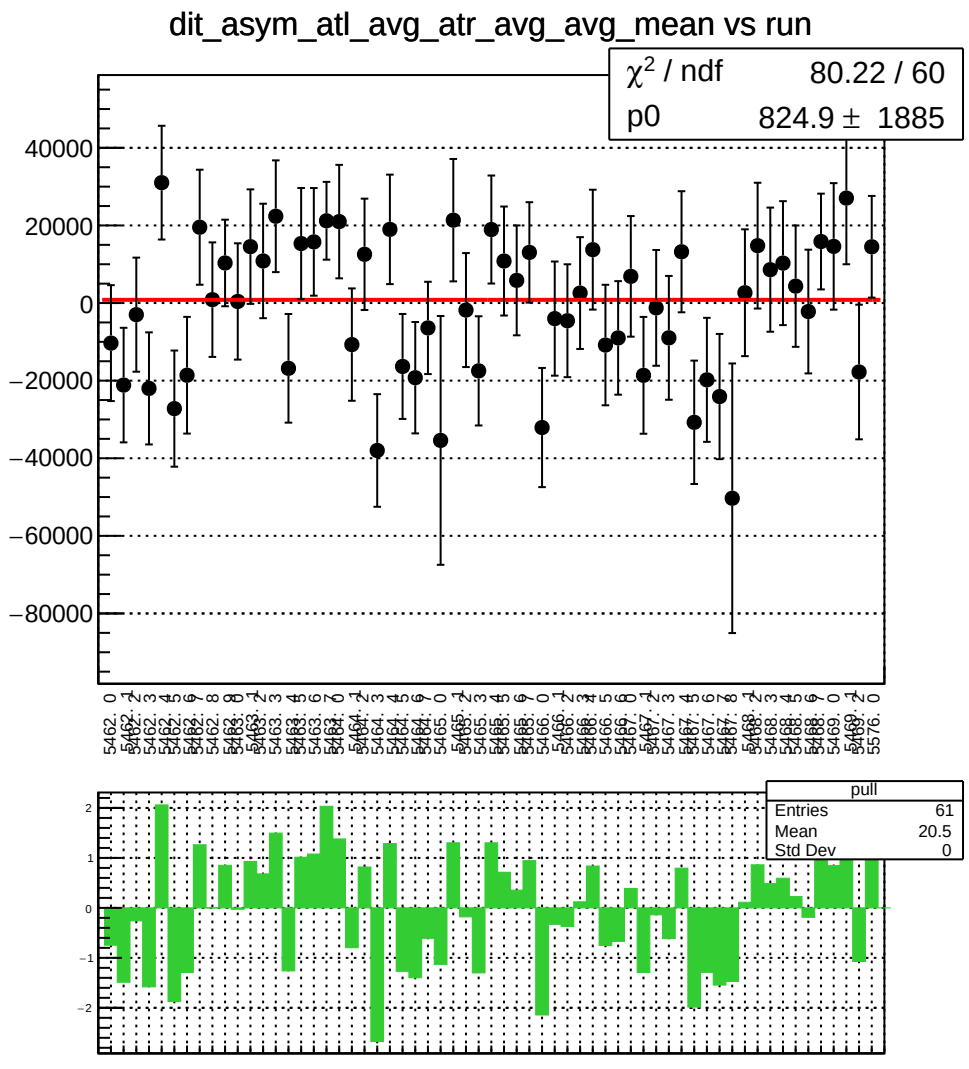

pull1D
Entries 61
Mean −0.05634
Std Dev 1.048

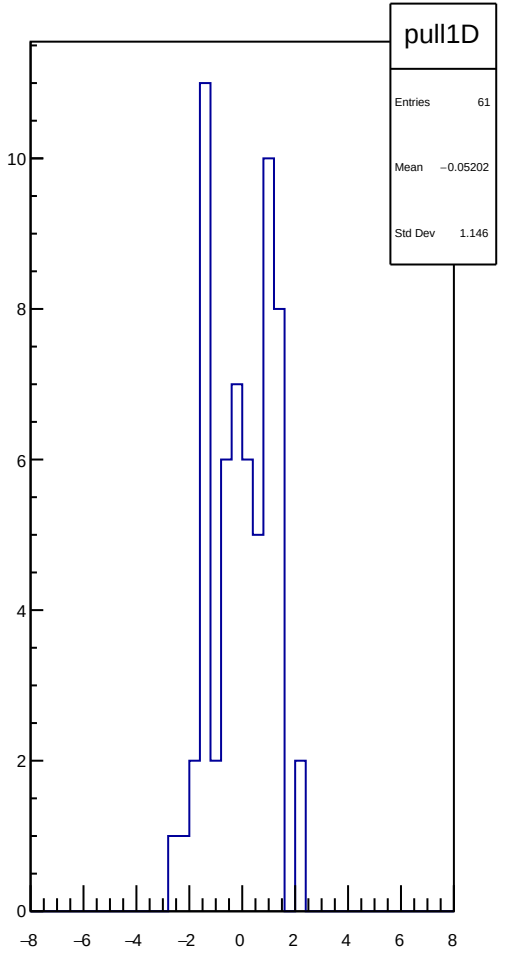

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.538e+04 / 62
p0 1143 ± 1.063
50000
40000
30000
20000
10000

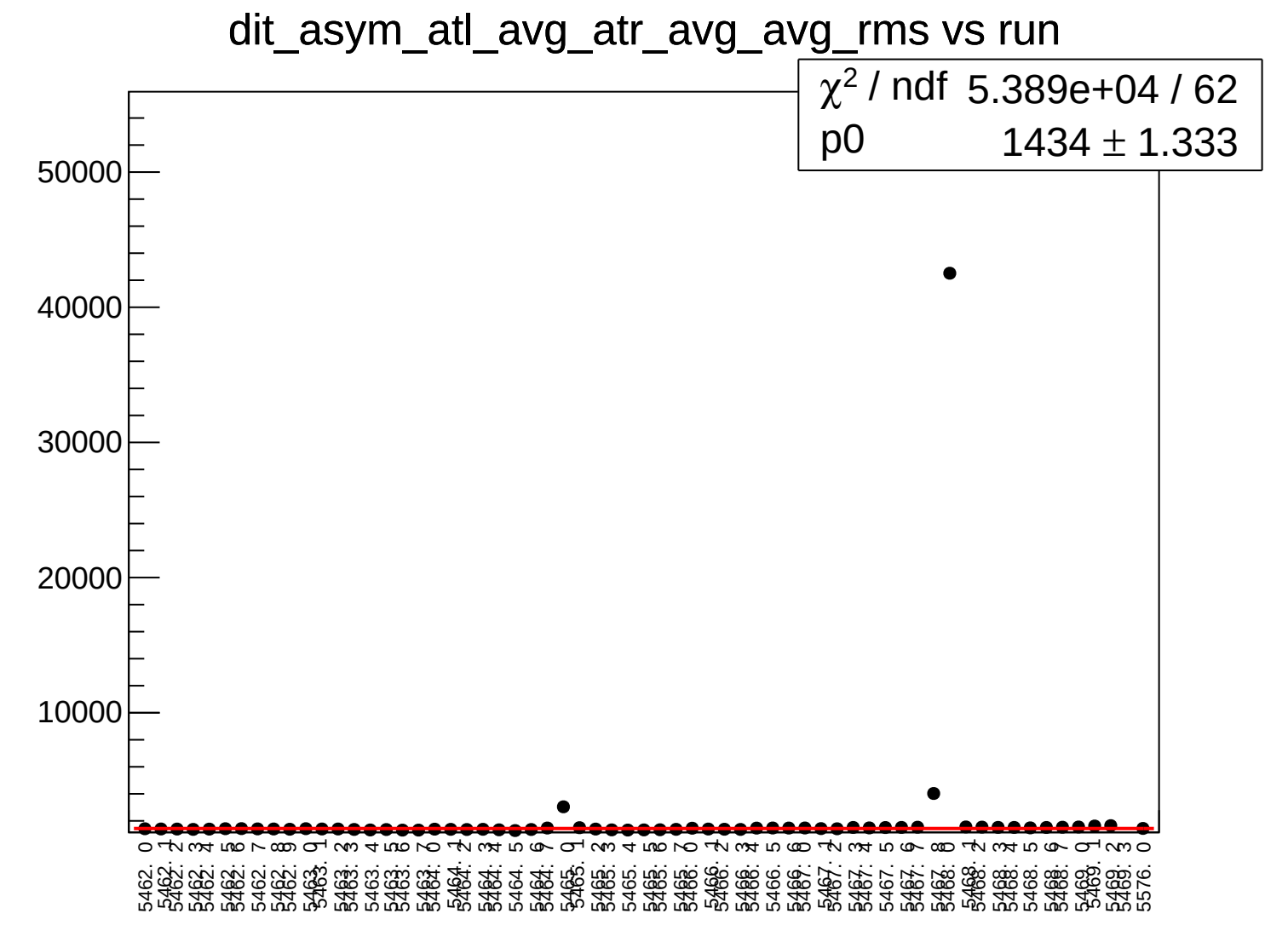

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.83 / 62
p0 −443.3 ± 1742
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean −61.43
Std Dev 0
2
1
0
−1
−2

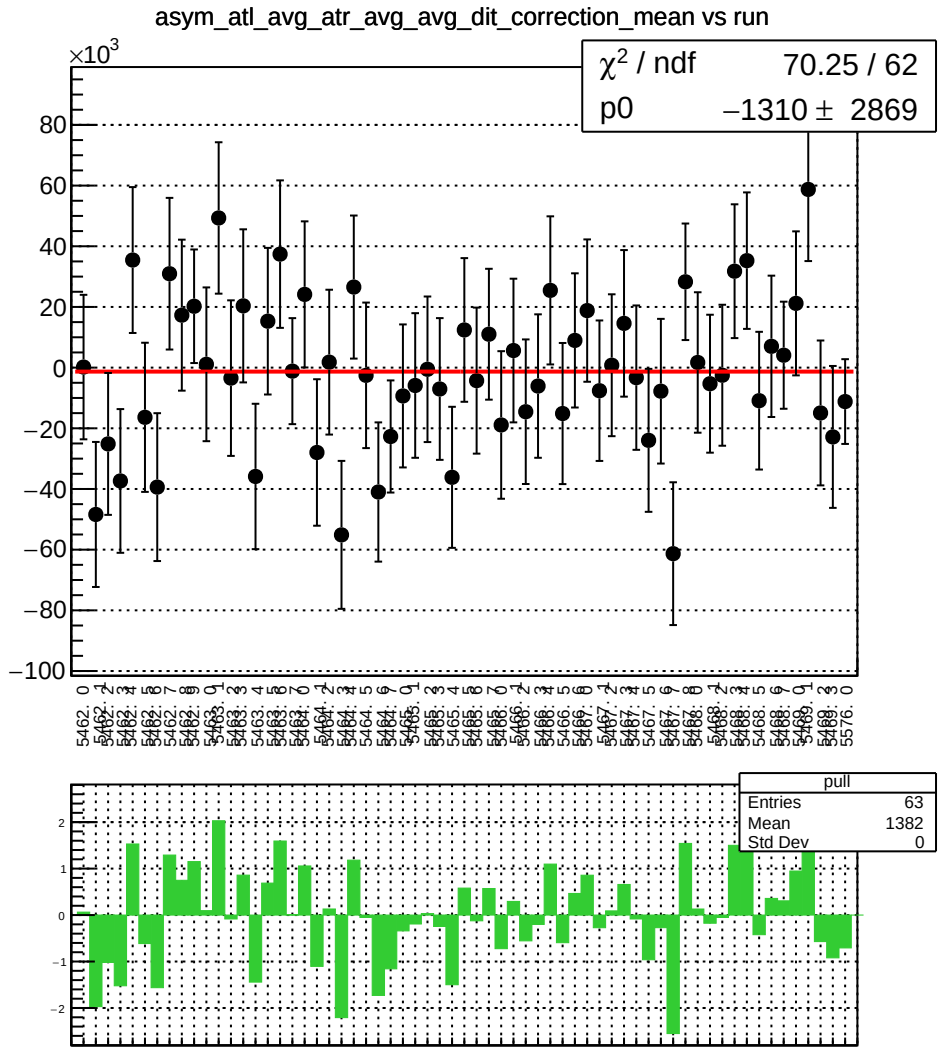

pull1D
Entries 63
Mean −0.02145
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

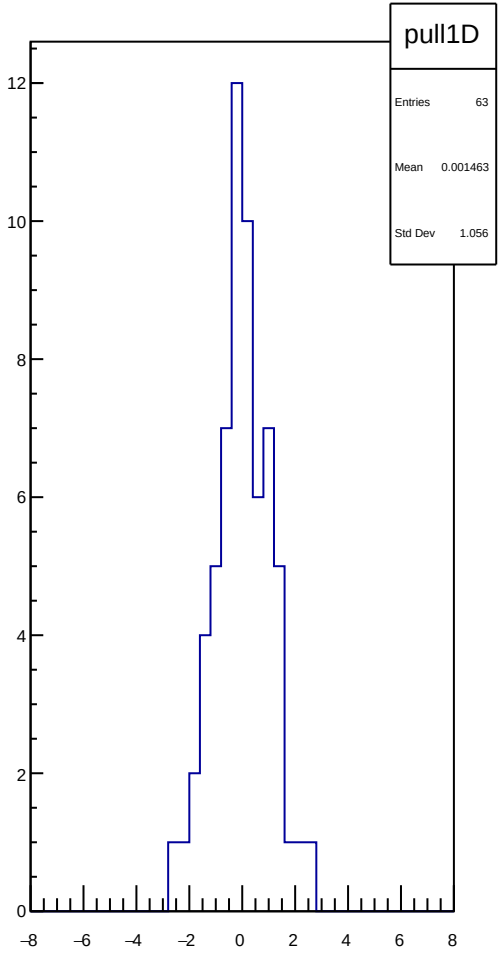

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.414e+04 / 62
p0 1341 ± 1.231
2200
2000
1800
1600
1400
1200
1000

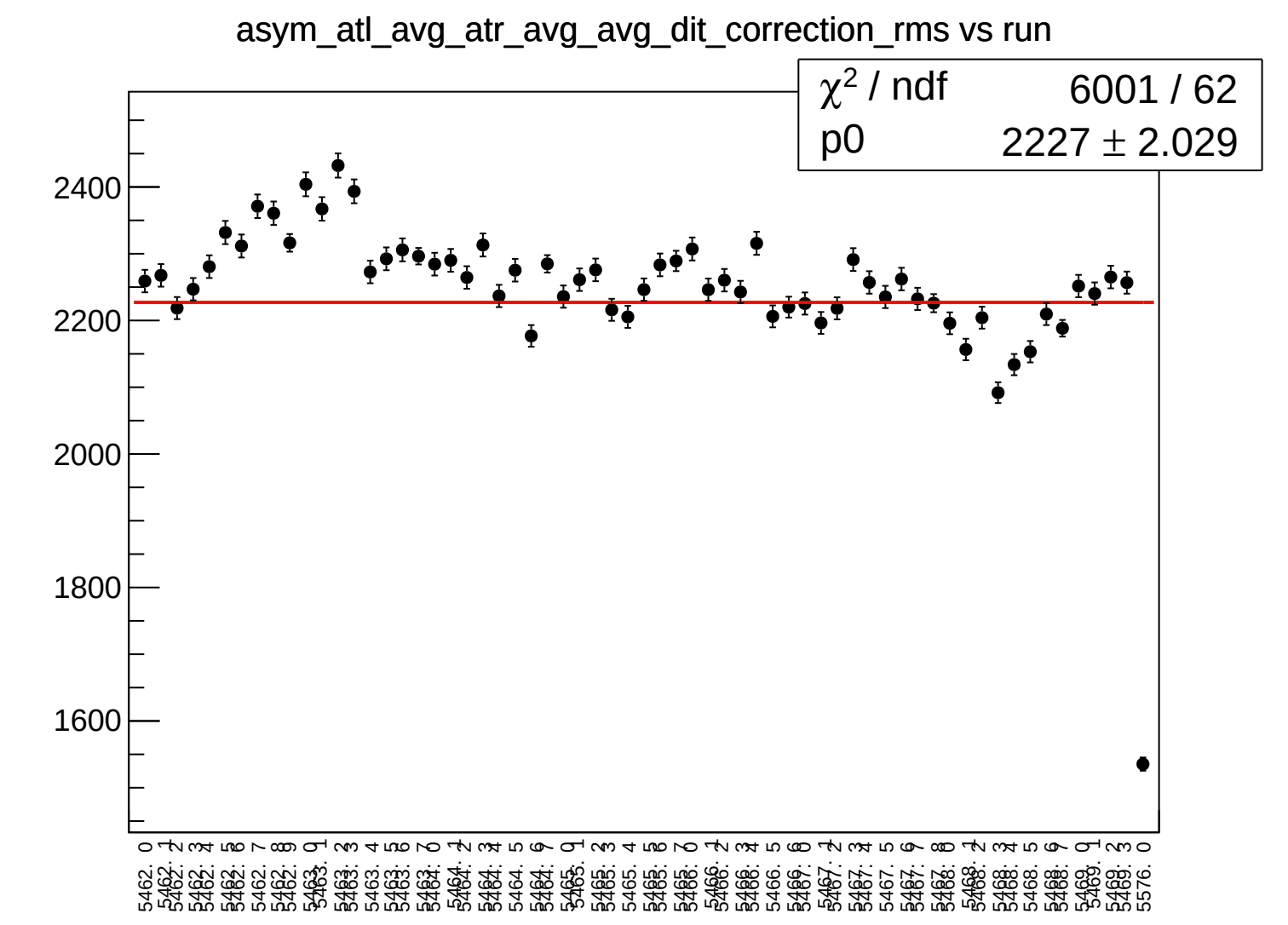

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 80.22 / 60
p0 824.9 ± 1885
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 61
Mean 20.5
Std Dev 0
2
1
0
−1
−2

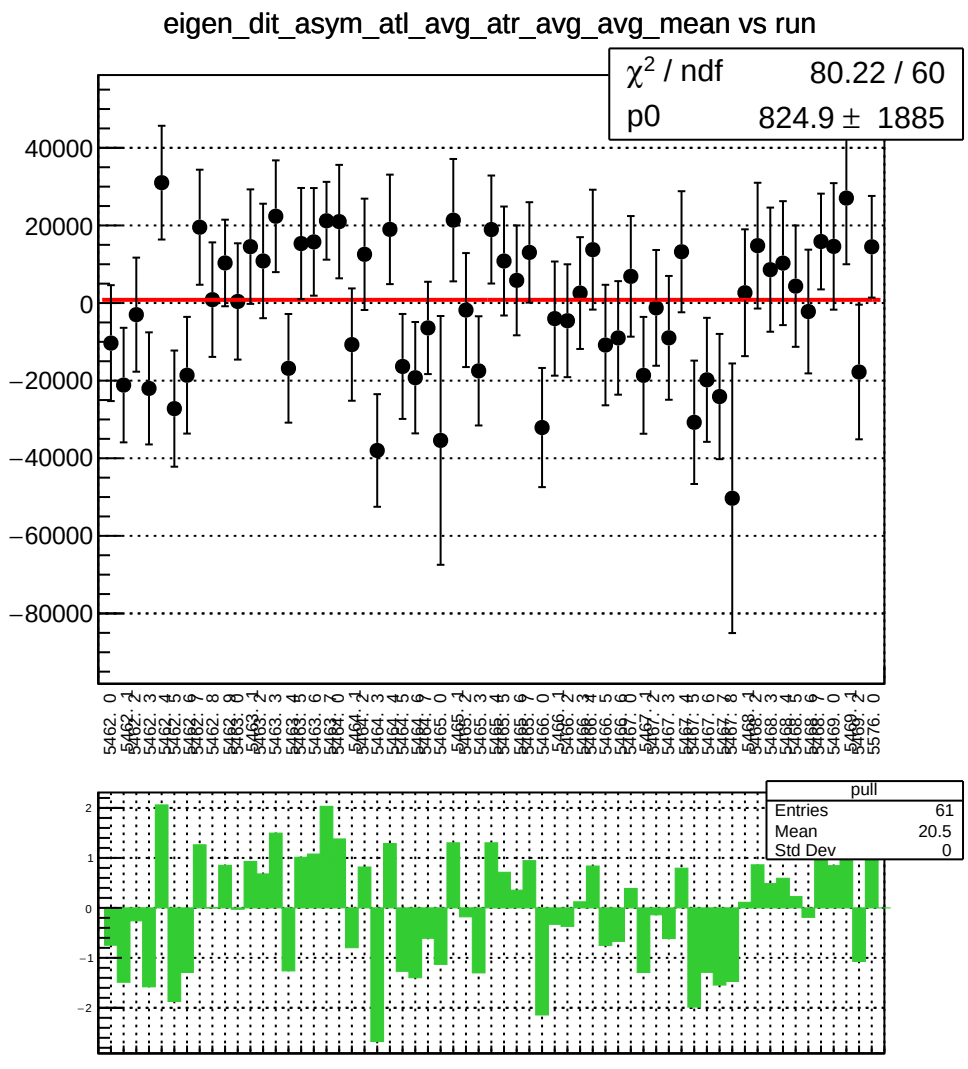

pull1D
Entries 61
Mean −0.05202
Std Dev 1.146
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

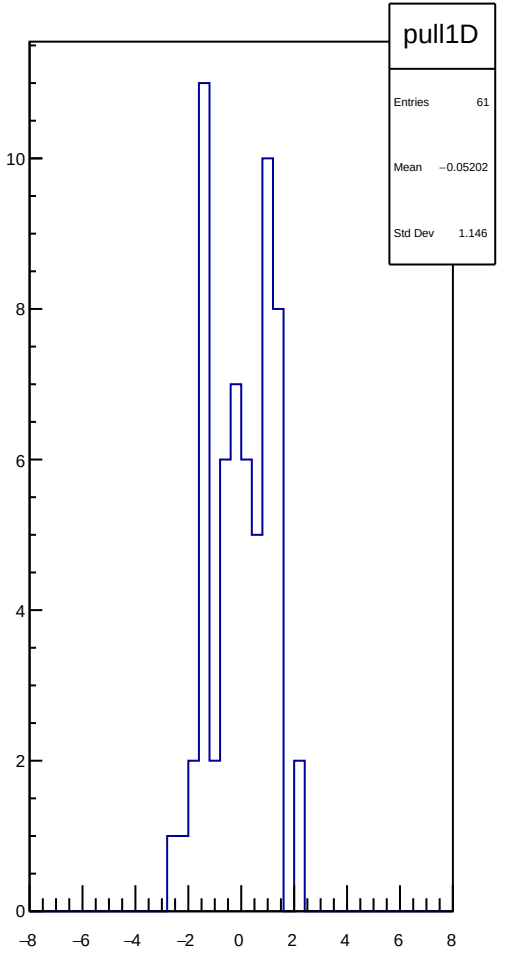

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.389e+04 / 62
p0 1434 ± 1.333
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

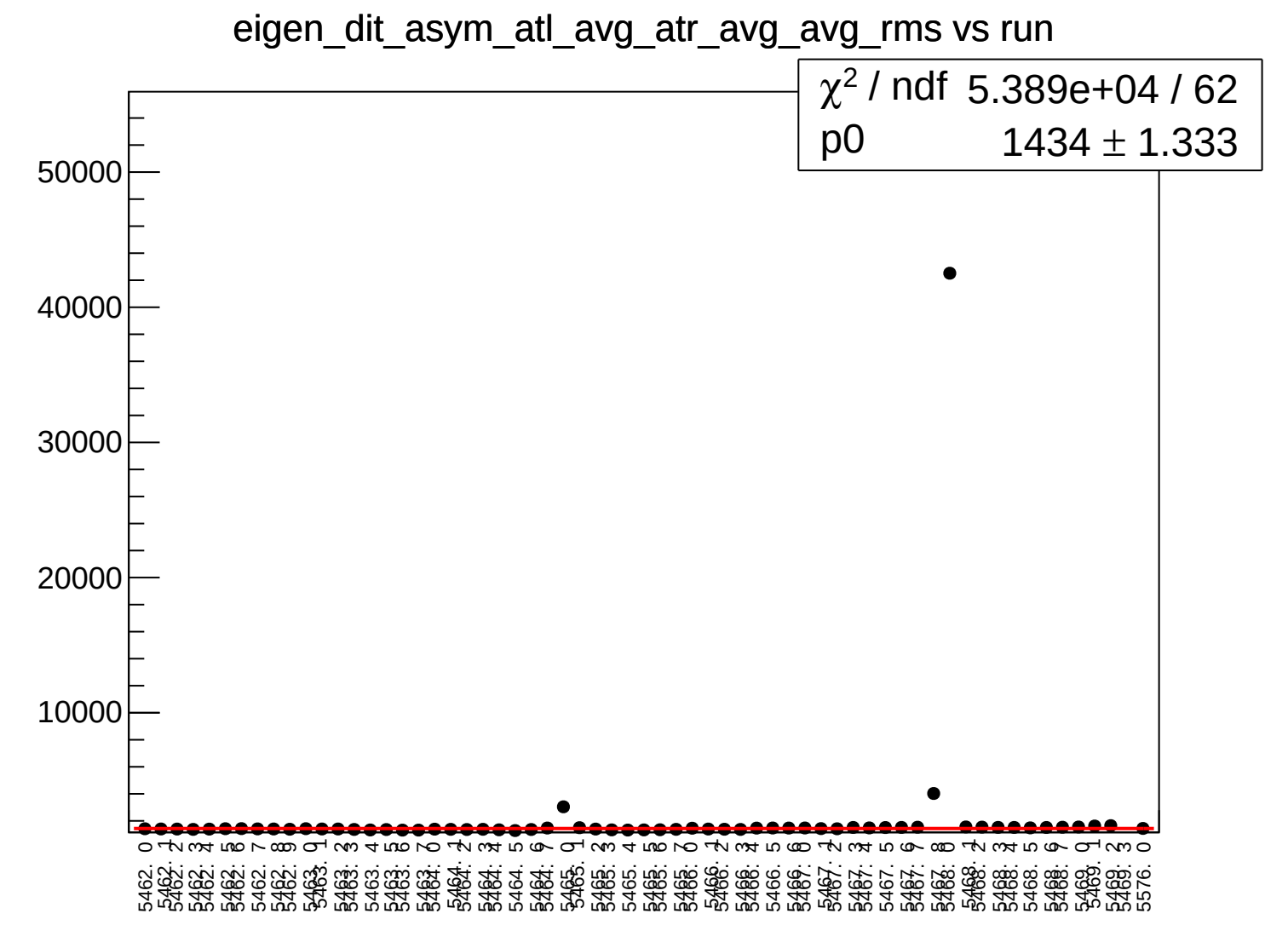

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 70.25 / 62
p0 −1310 ± 2869
pull
Entries 63
Mean 1382
Std Dev 0

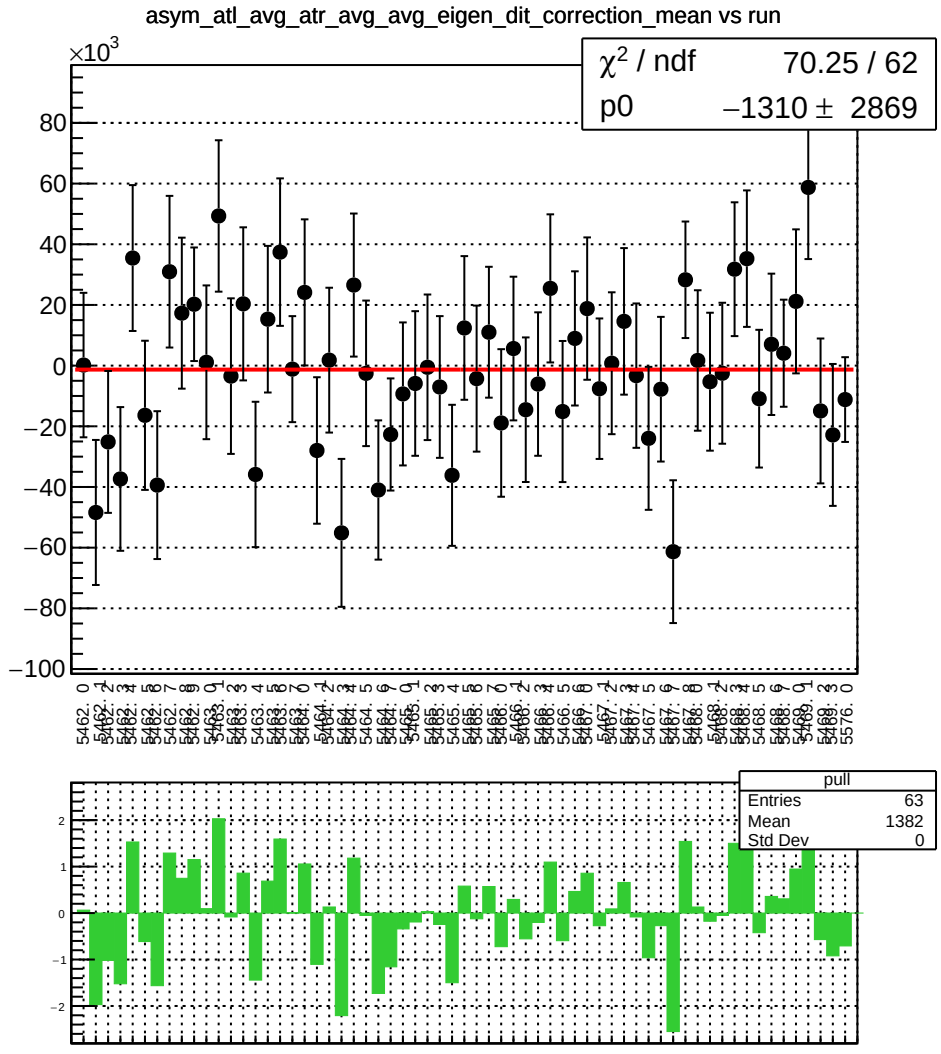

pull1D
Entries 63
Mean 0.001463
Std Dev 1.056

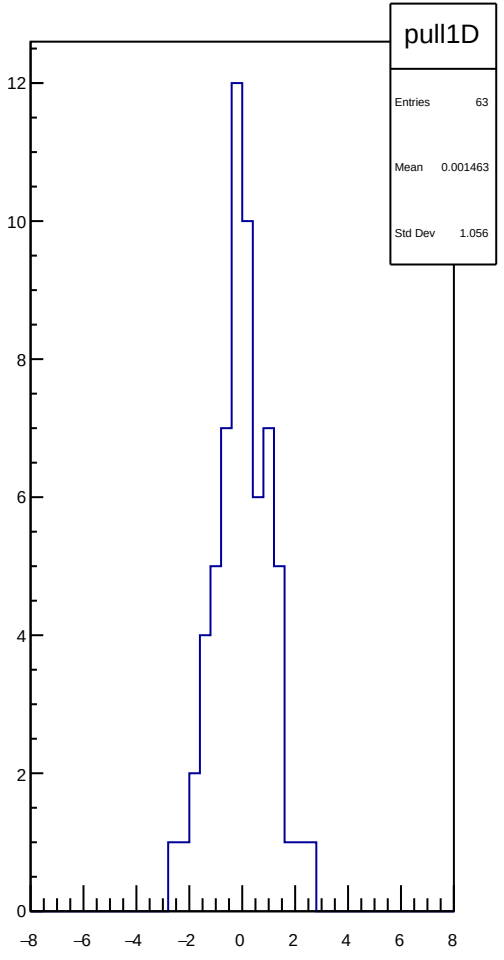

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 6001 / 62
p0 2227 ± 2.029
2400
2200
2000
1800
1600

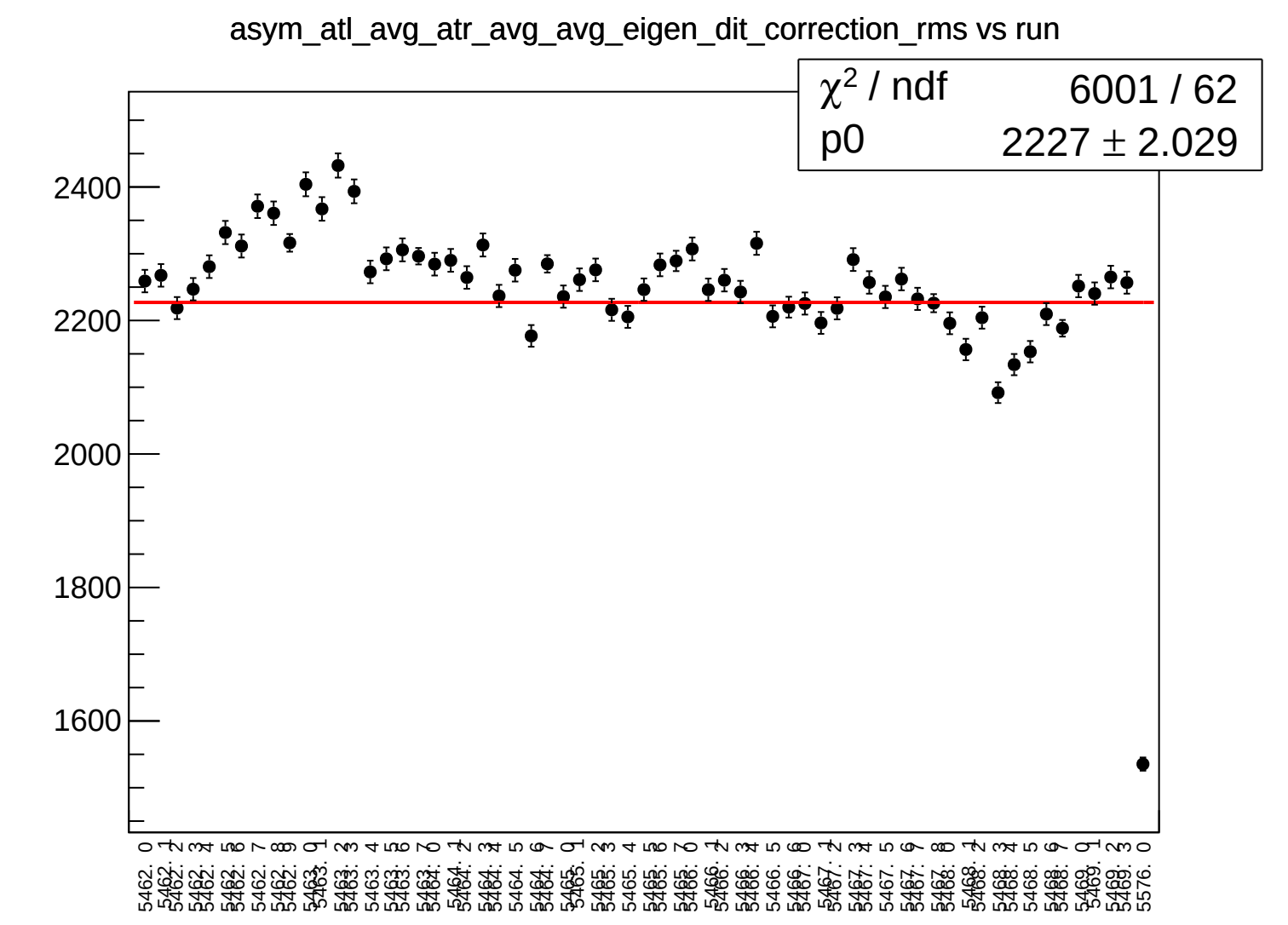

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 80.22 / 60
p0 824.9 ± 1885
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 61
Mean 20.5
Std Dev 0
2
1
0
−1
−2

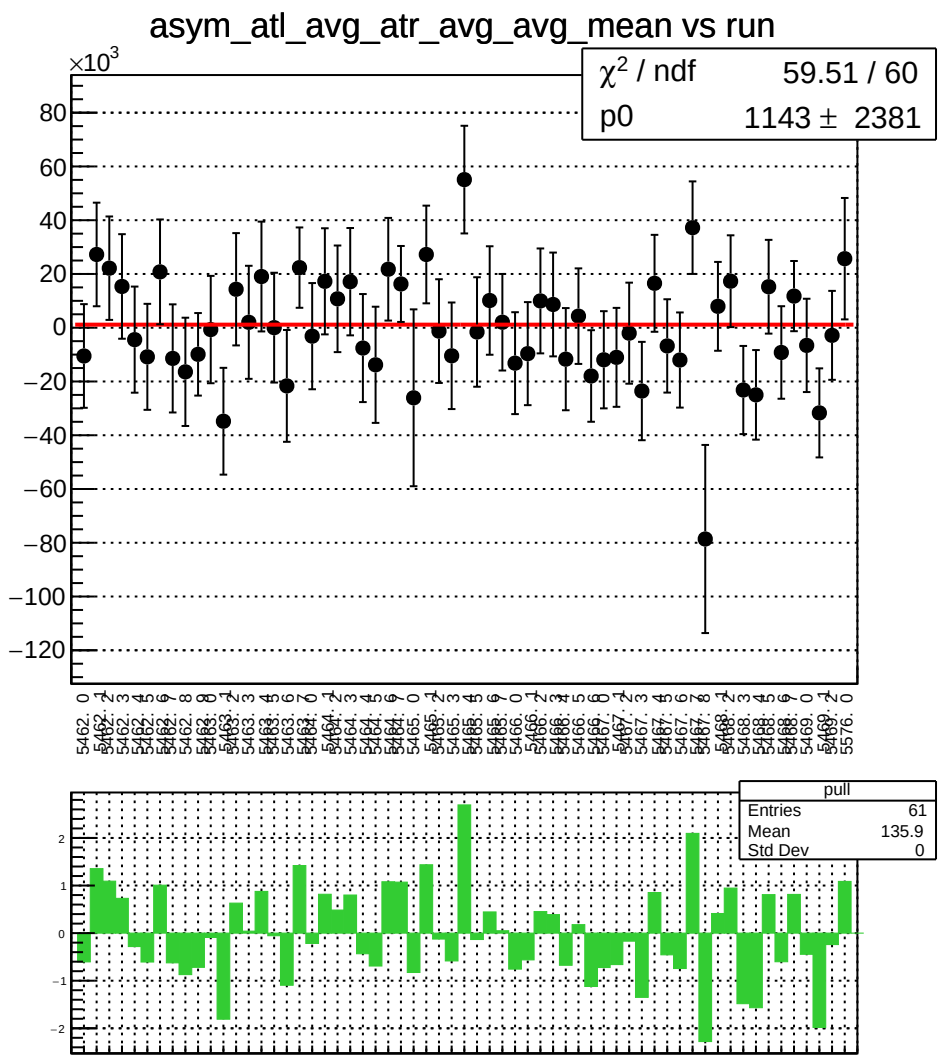

pull1D
Entries 61
Mean −0.05202
Std Dev 1.146
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

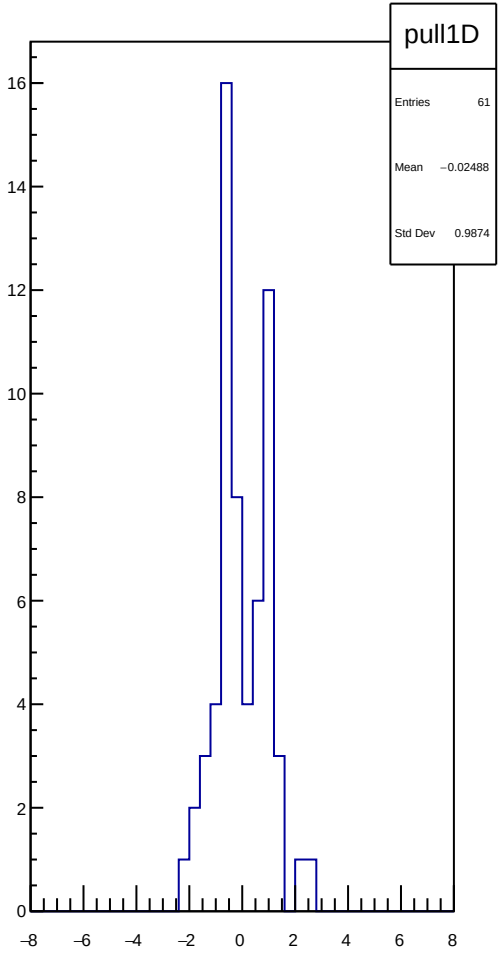

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.389e+04 / 62
p0 1434 ± 1.333
50000
40000
30000
20000
10000

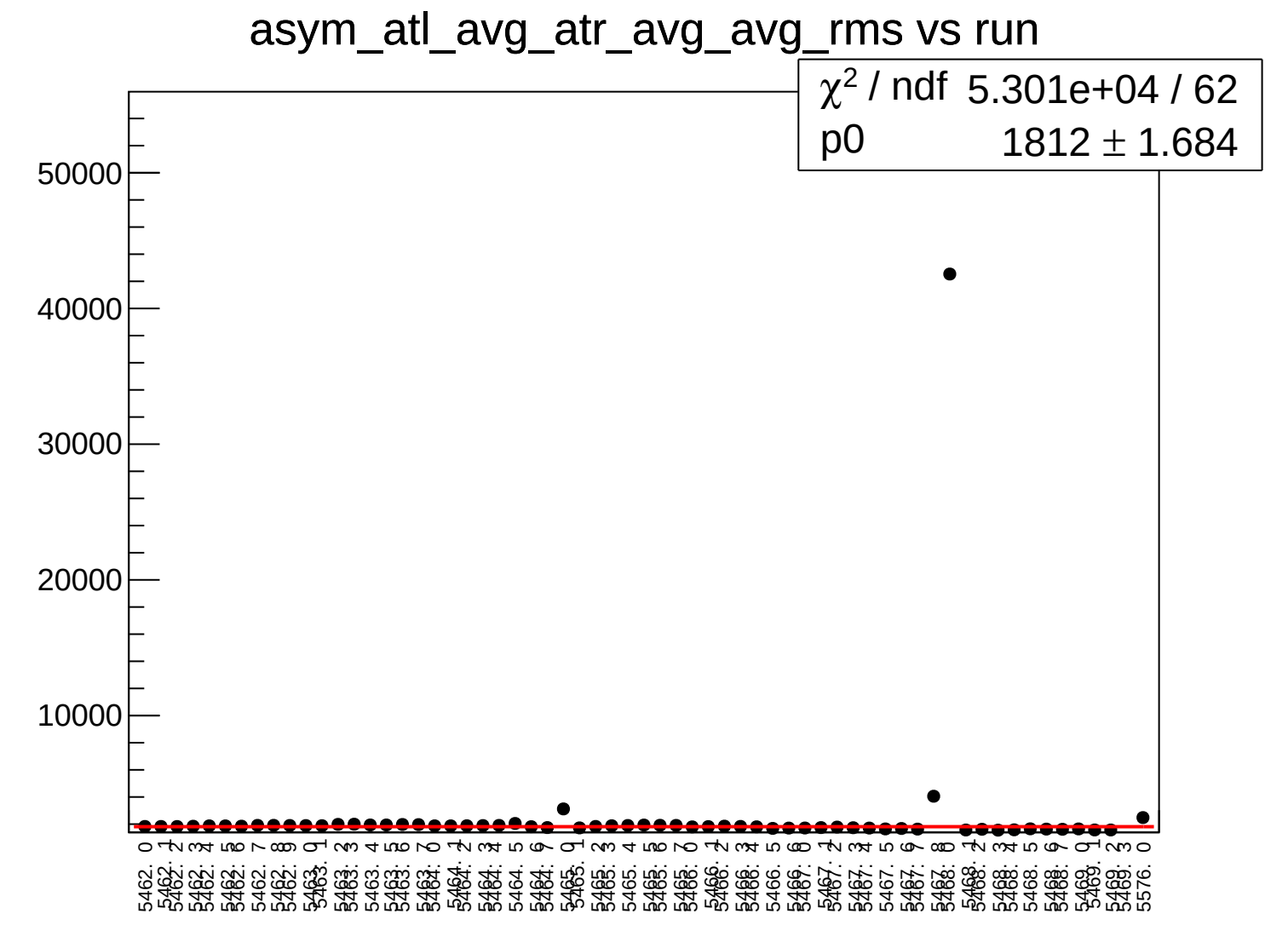

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 70.25 / 62
p0 −1310 ± 2869
pull
Entries 63
Mean 1382
Std Dev 0

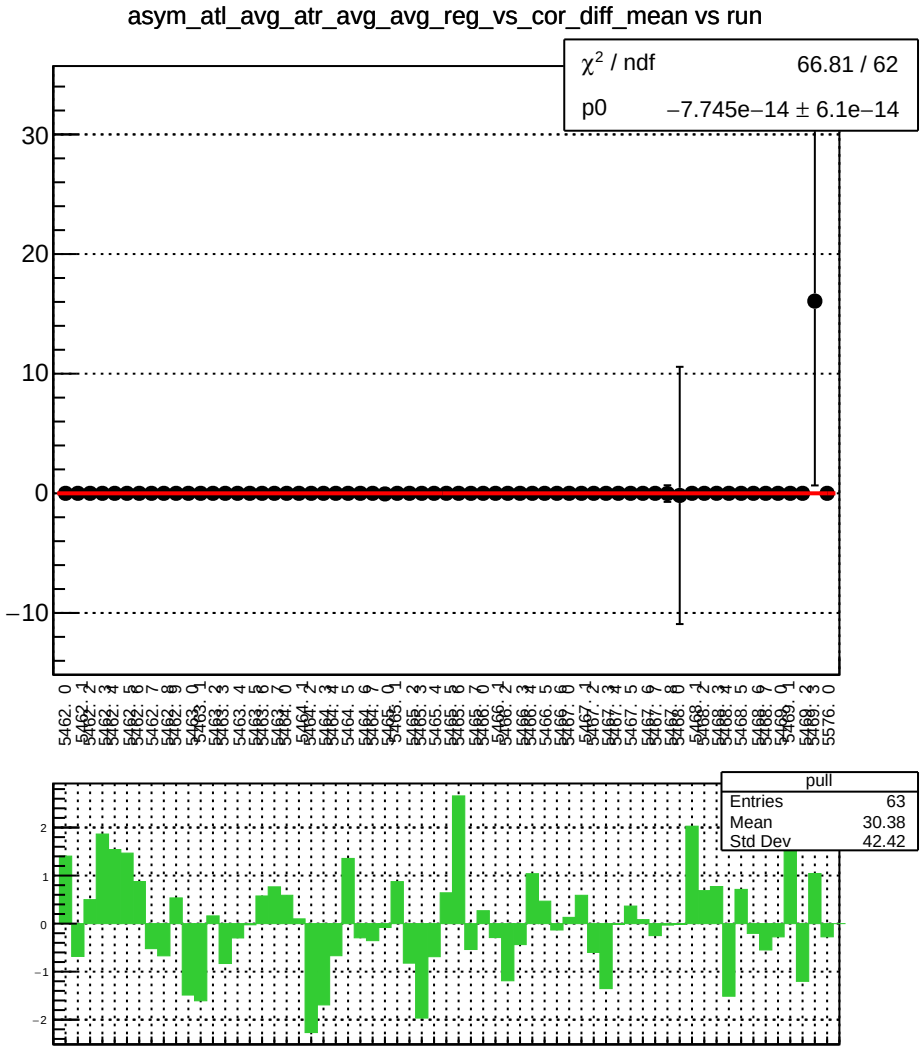

pull1D
Entries 63
Mean 0.001463
Std Dev 1.056

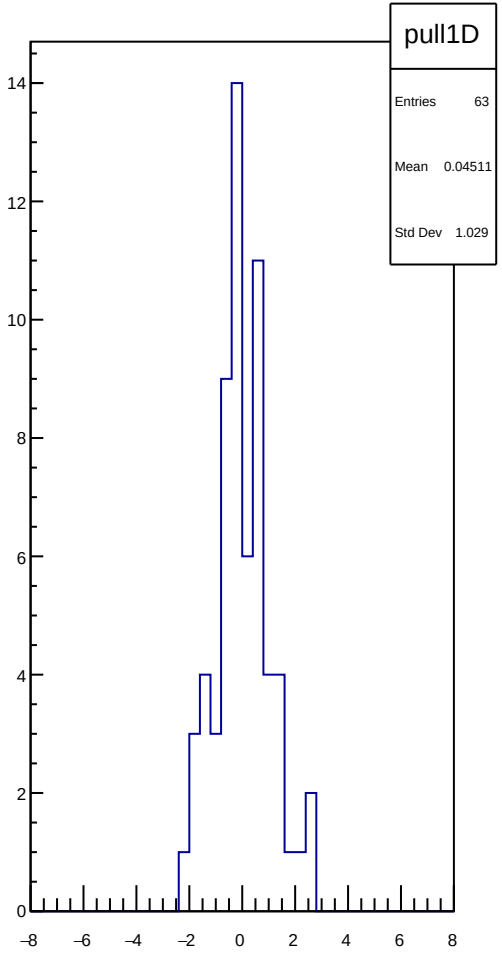

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 6001 / 62
p0 2227 ± 2.029
2400
2200
2000
1800
1600

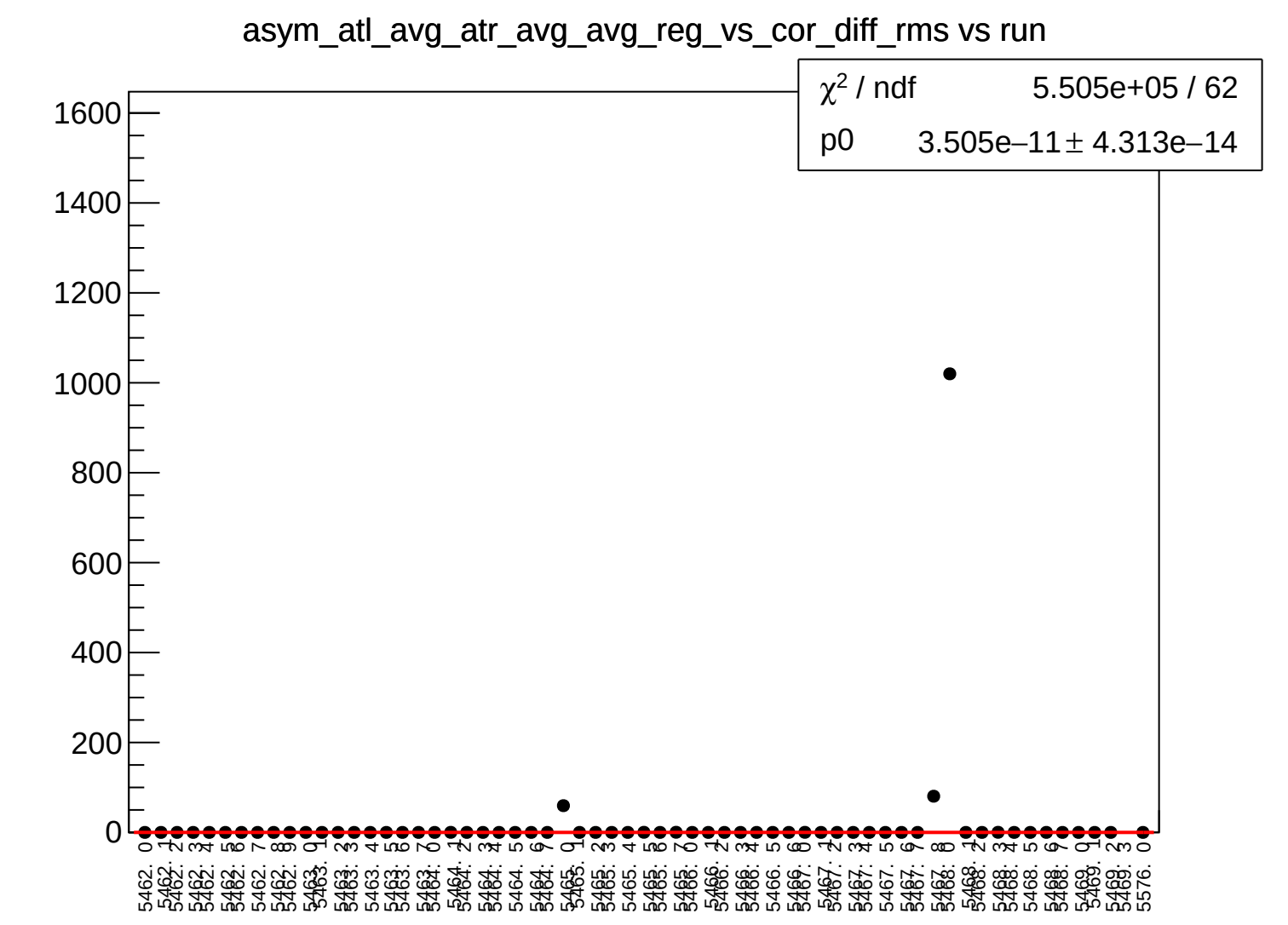

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 59.51 / 60
p0 1143 ± 2381
pull
Entries 61
Mean 135.9
Std Dev 0

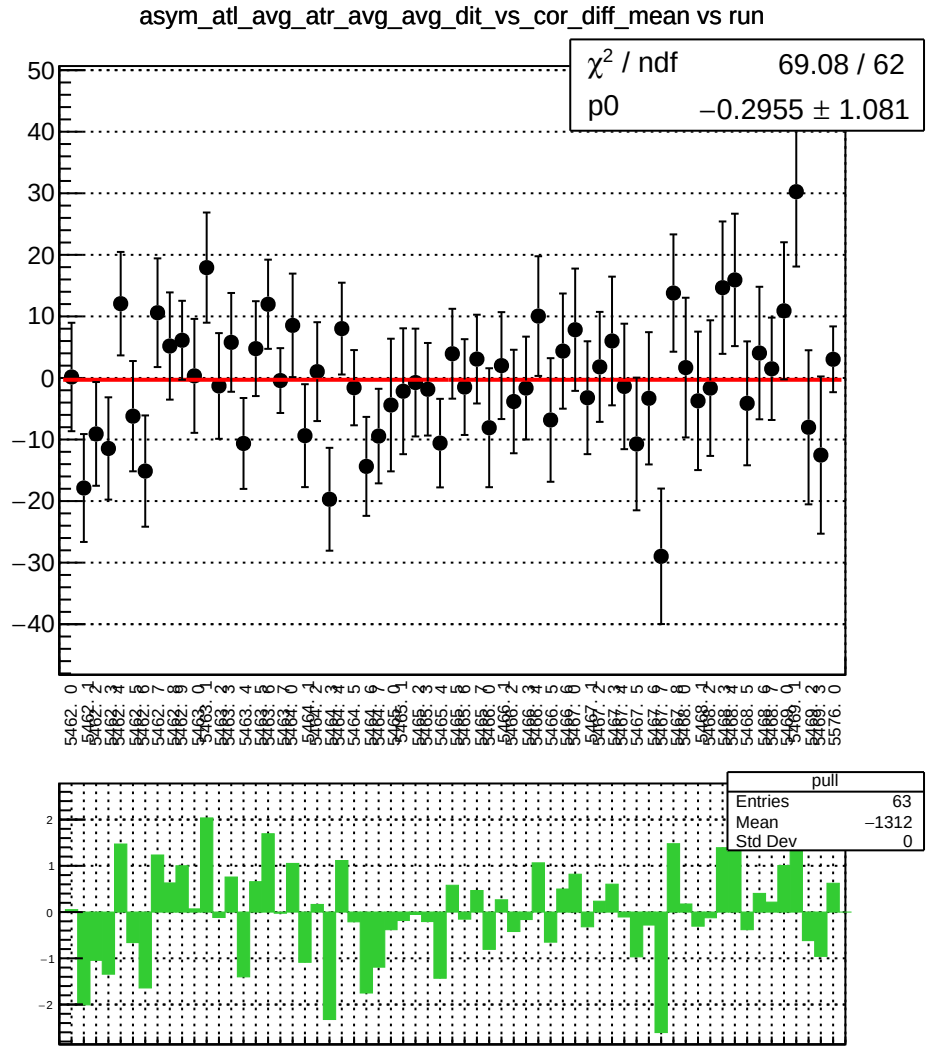

pull1D
Entries 61
Mean −0.02488
Std Dev 0.9874

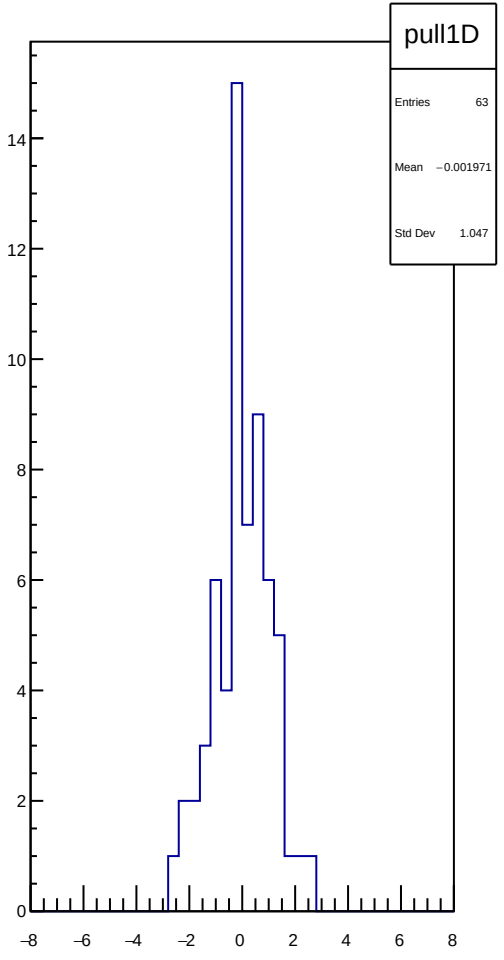

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5.301e+04 / 62
p0 1812 ± 1.684
50000
40000
30000
20000
10000

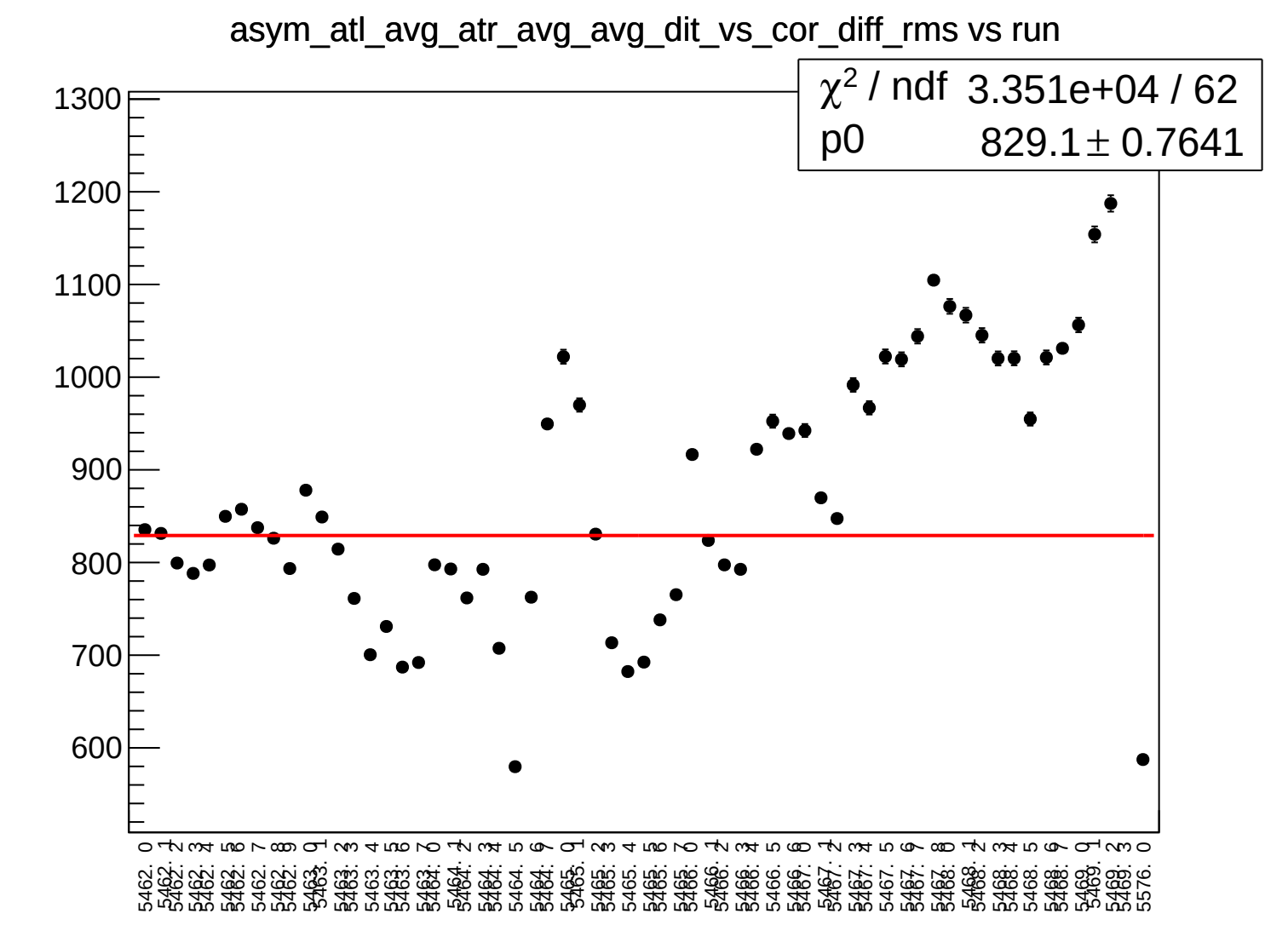

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 66.81 / 62
p0 −7.745e−14 ± 6.1e−14
pull
Entries 63
Mean 30.38
Std Dev 42.42

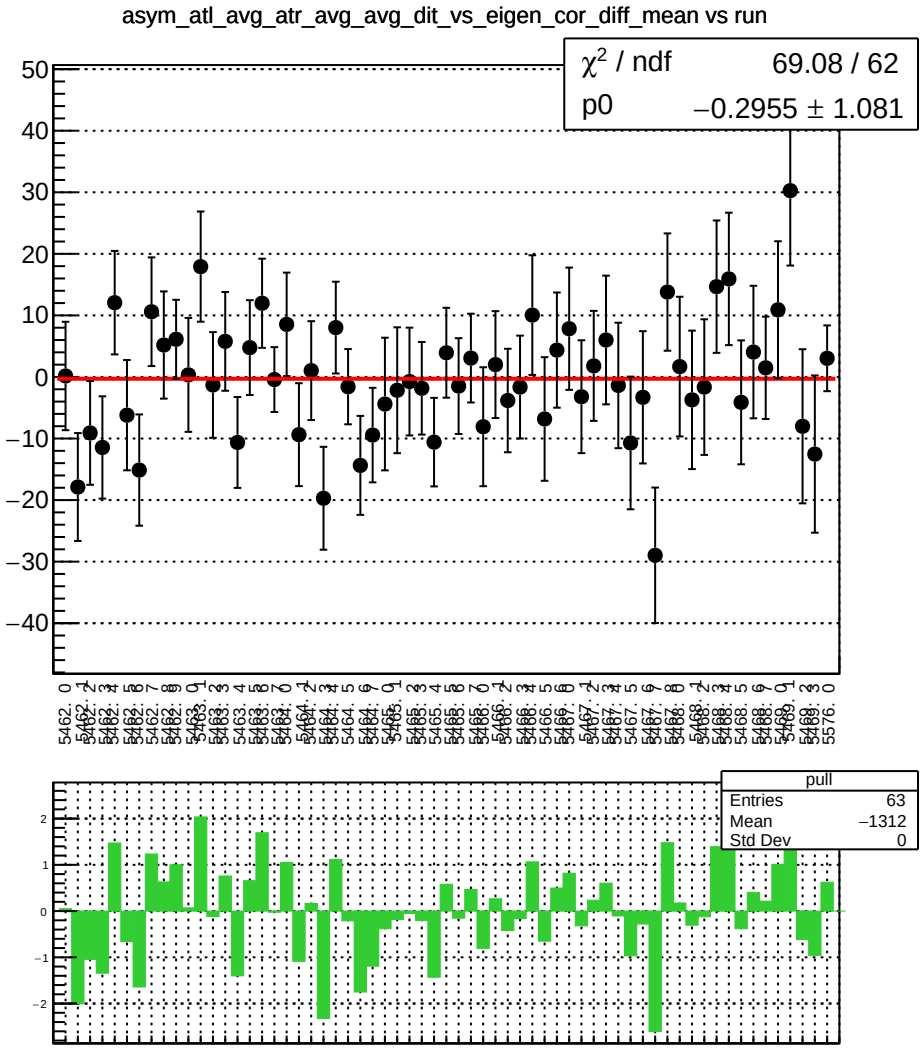

pull1D
Entries 63
Mean 0.04511
Std Dev 1.029

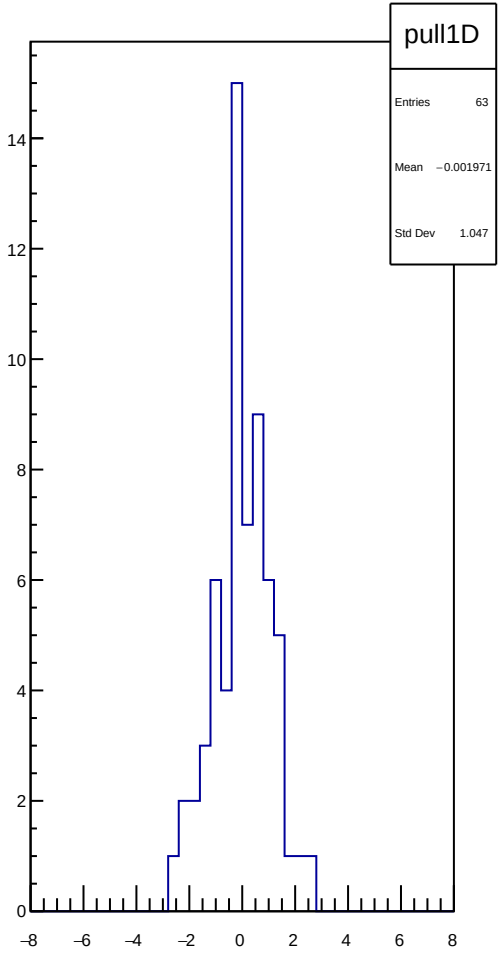

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.505e+05 / 62
p0 3.505e−11 ± 4.313e−14
1600
1400
1200
1000
800
600
400
200
0

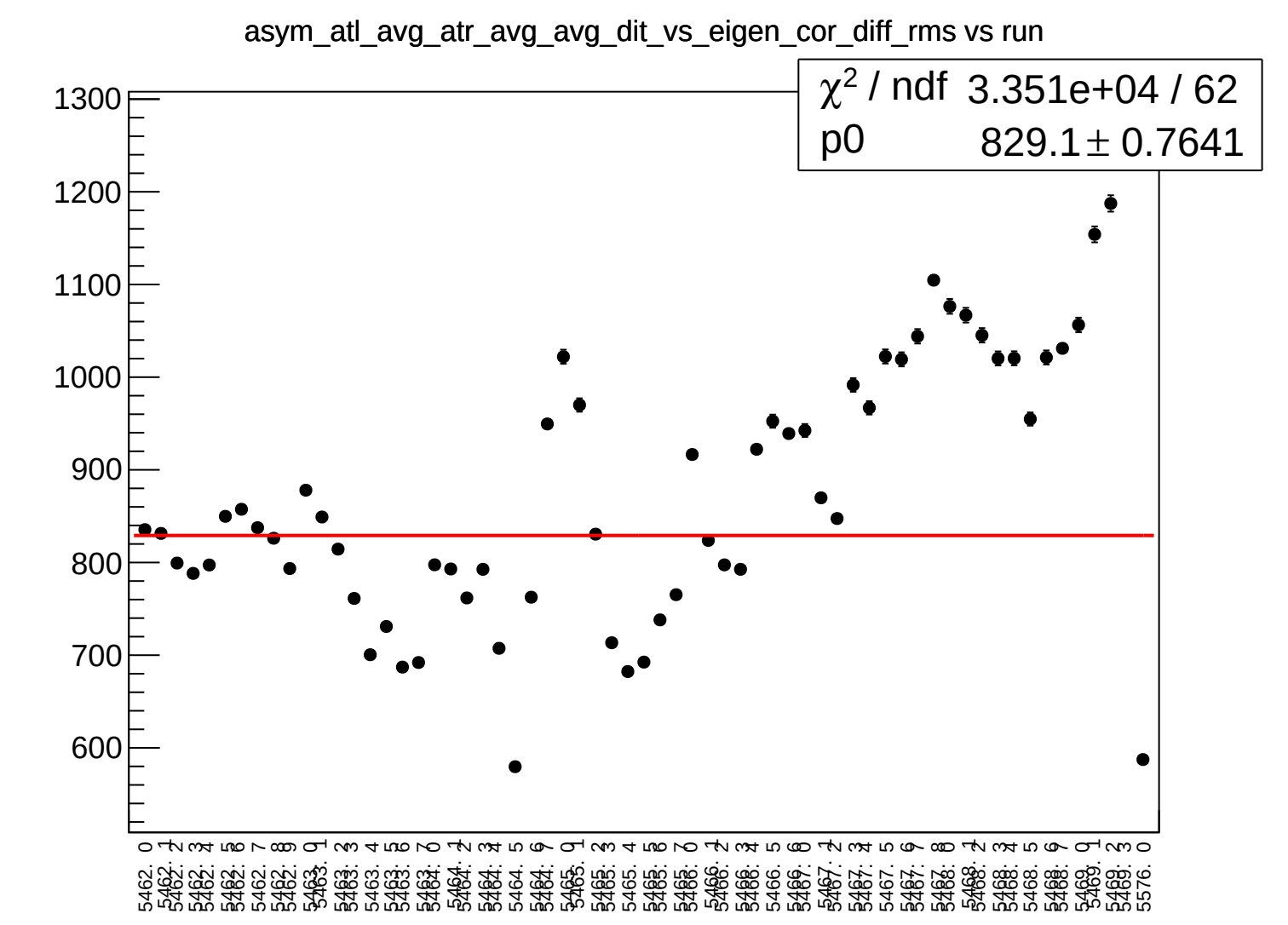

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.08 / 62
p0 −0.2955 ± 1.081
pull
Entries 63
Mean −1312
Std Dev 0

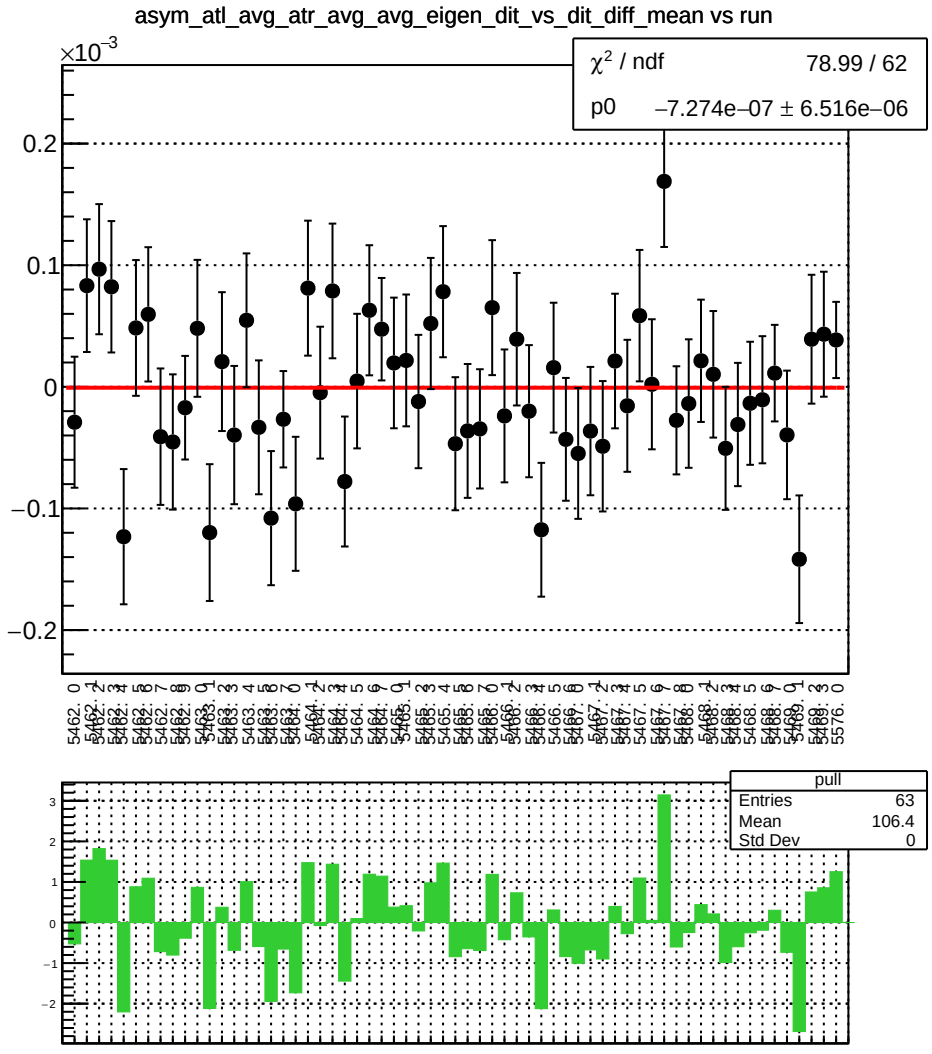

pull1D
Entries 63
Mean −0.001971
Std Dev 1.047

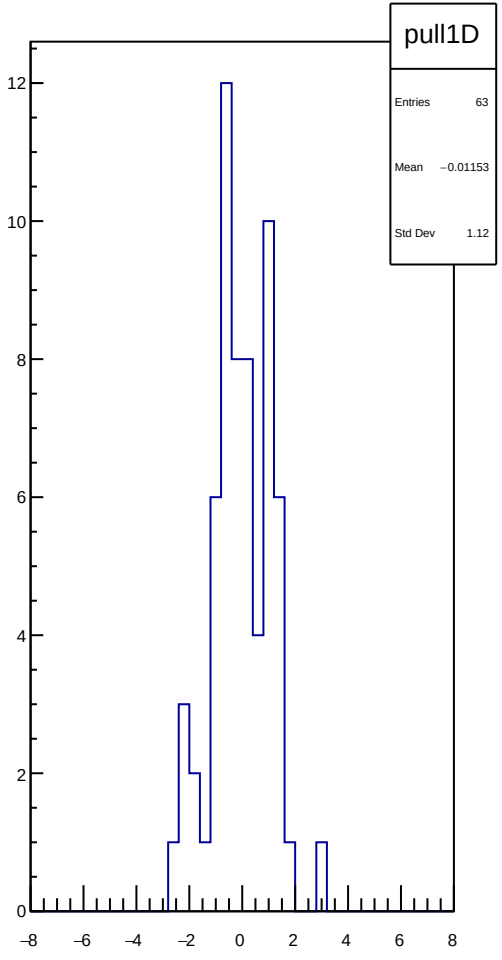

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.351e+04 / 62
p0 829.1 ± 0.7641
1300
1200
1100
1000
900
800
700
600

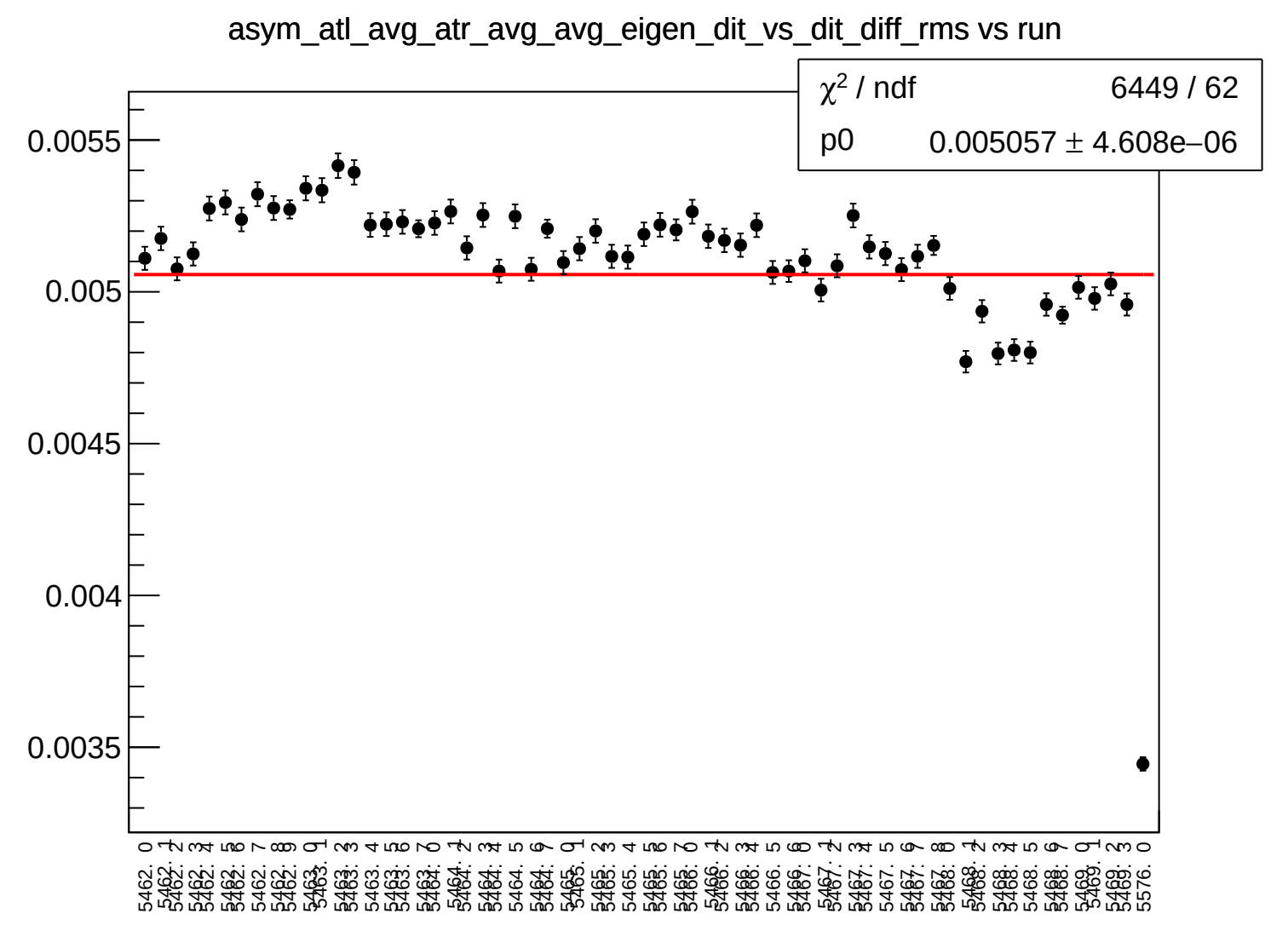

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.08 / 62
p0 −0.2955 ± 1.081
pull
Entries 63
Mean −1312
Std Dev 0

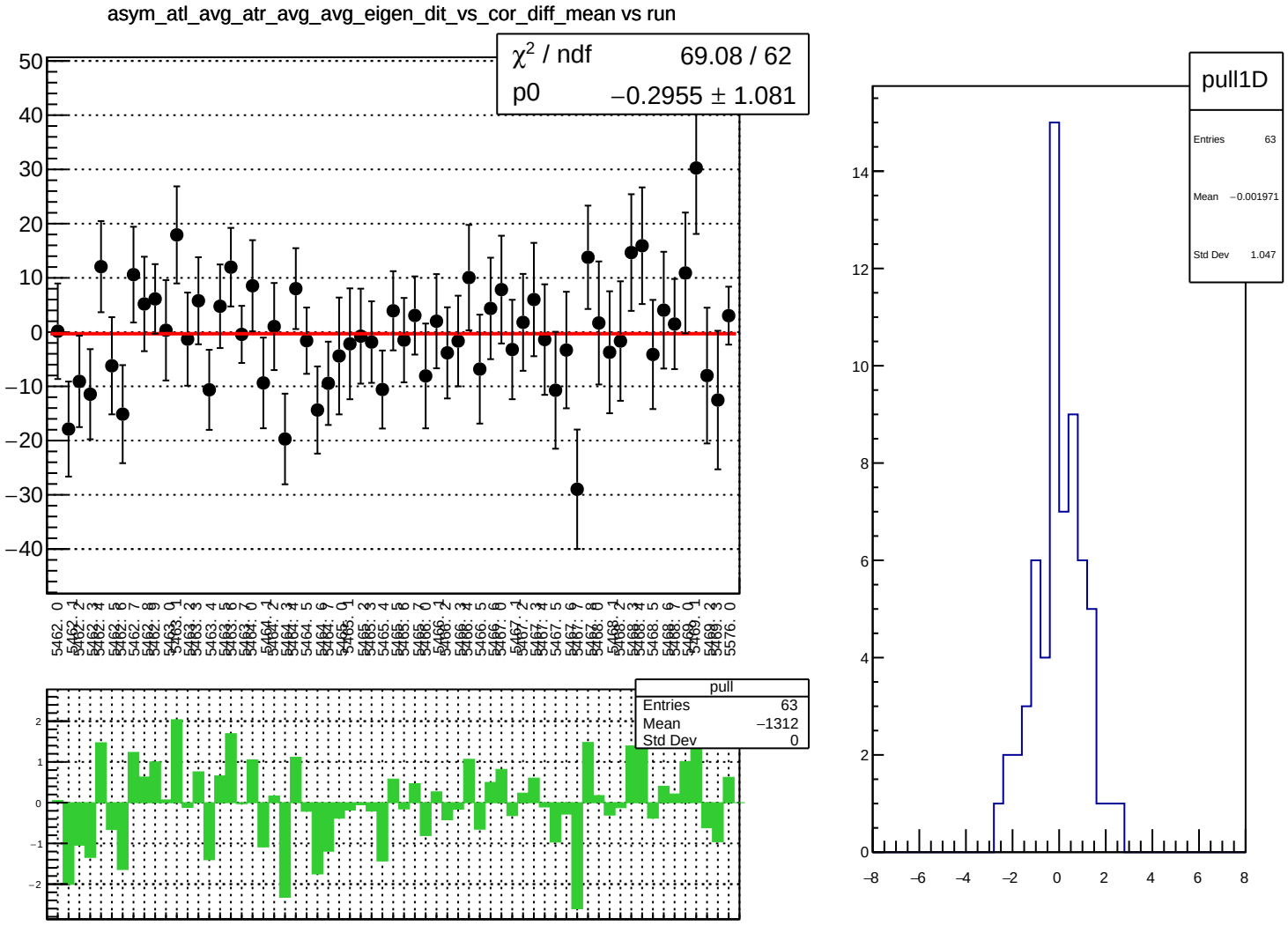

pull1D
Entries 63
Mean −0.001971
Std Dev 1.047

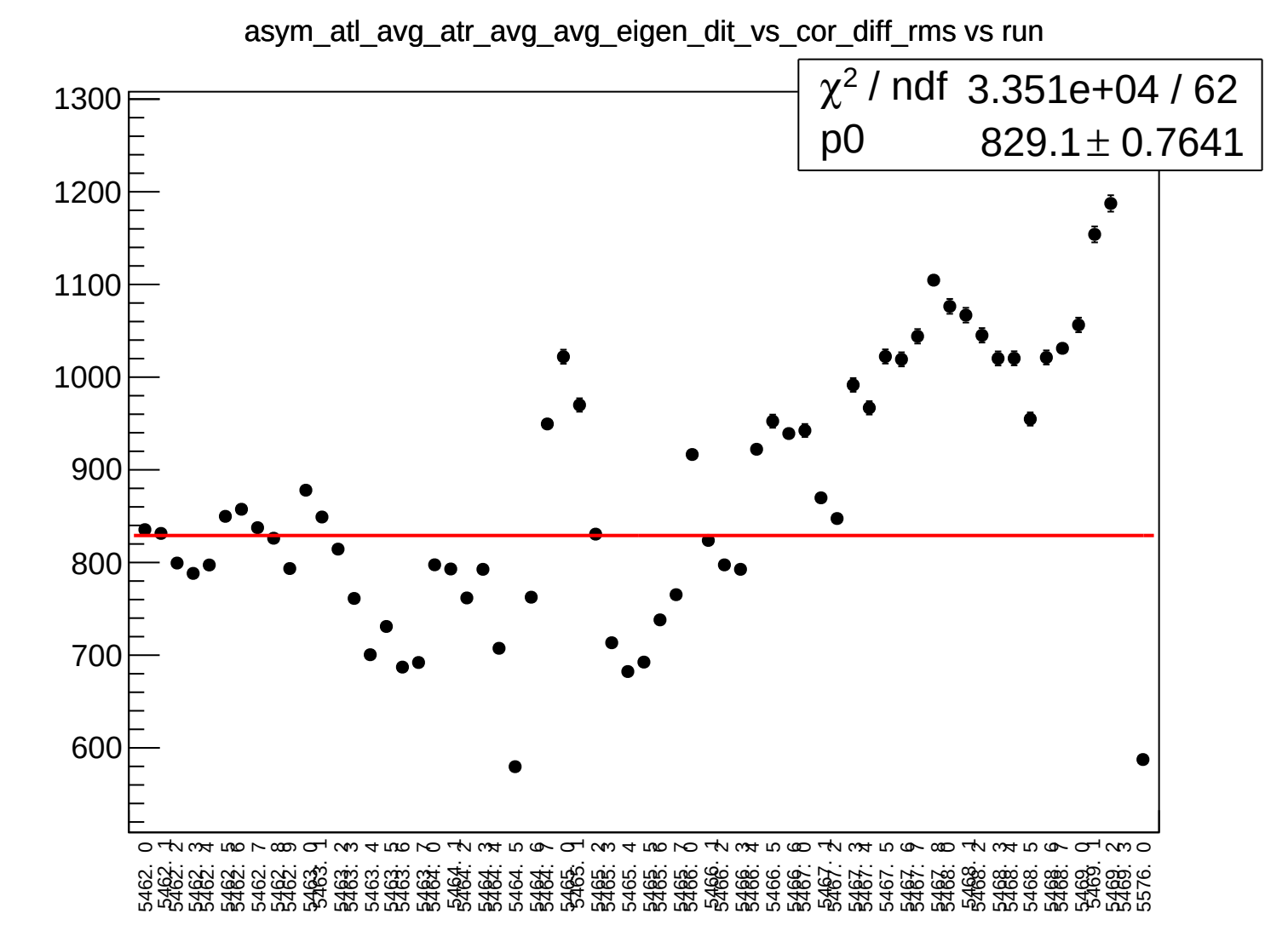

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.351e+04 / 62
p0 829.1 ± 0.7641
1300
1200
1100
1000
900
800
700
600

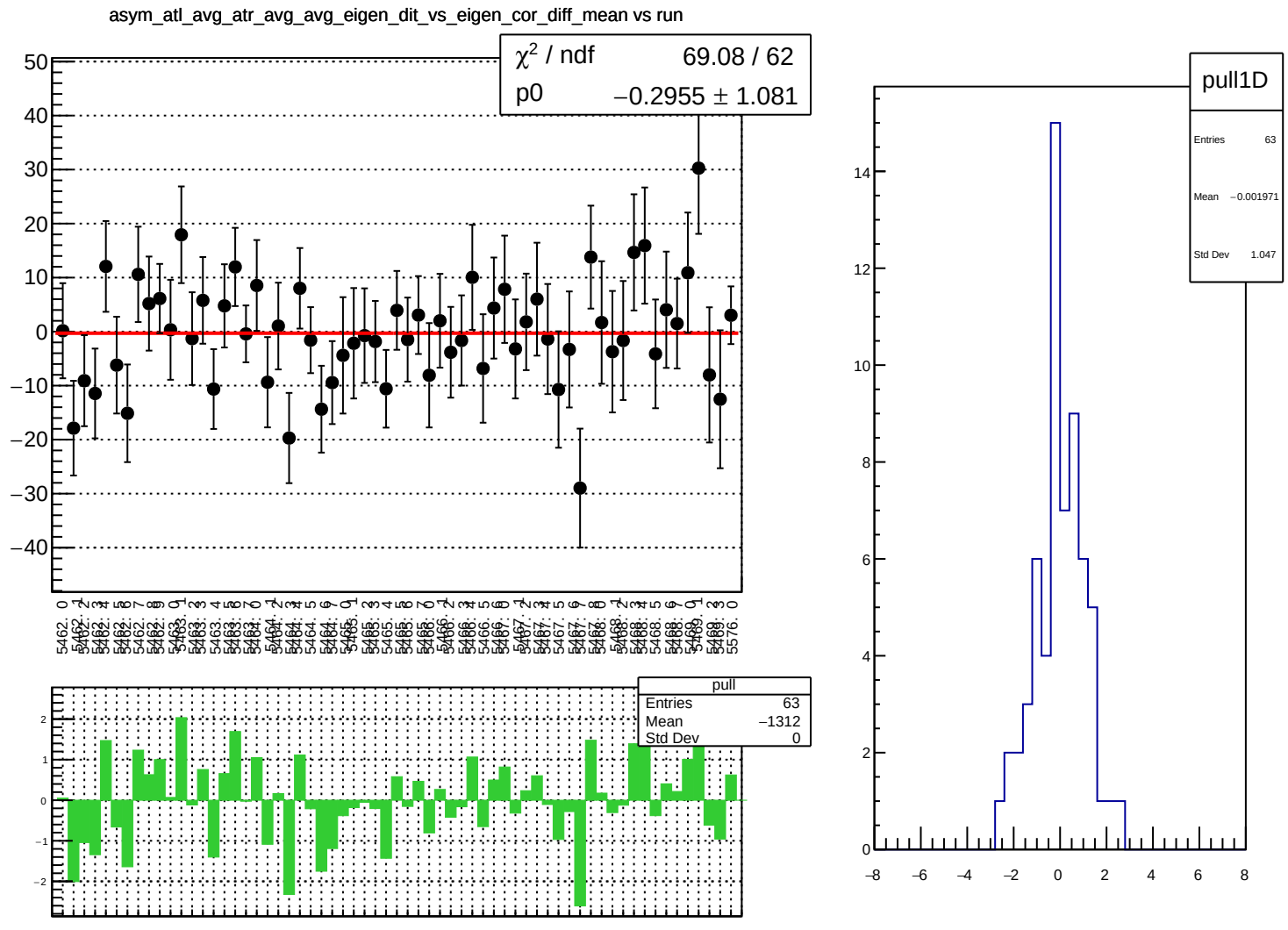

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.99 / 62
p0 −7.274e−07 ± 6.516e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 63
Mean 106.4
Std Dev 0
3
2
1
0
−1
−2

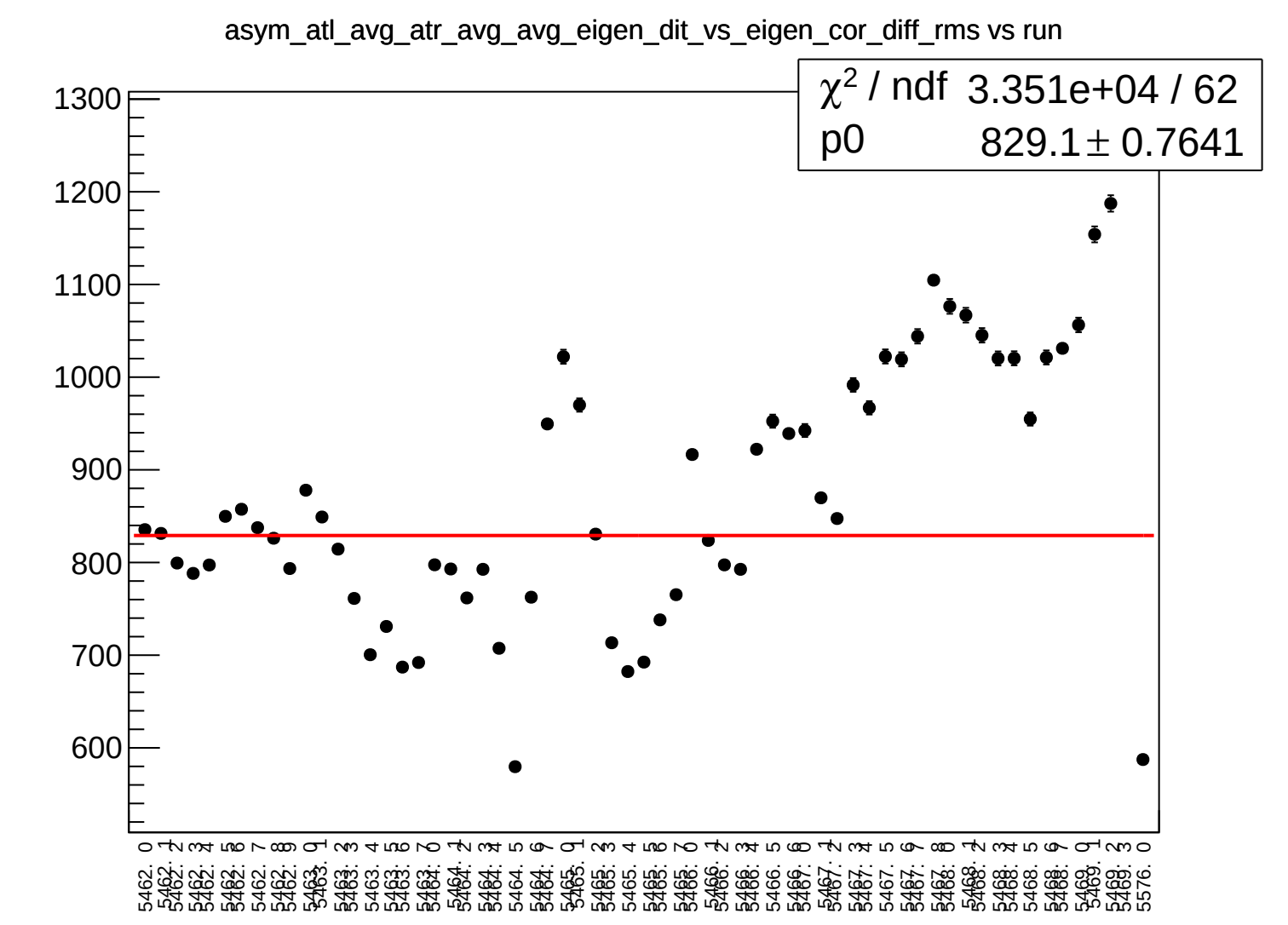

pull1D
Entries 63
Mean −0.01153
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

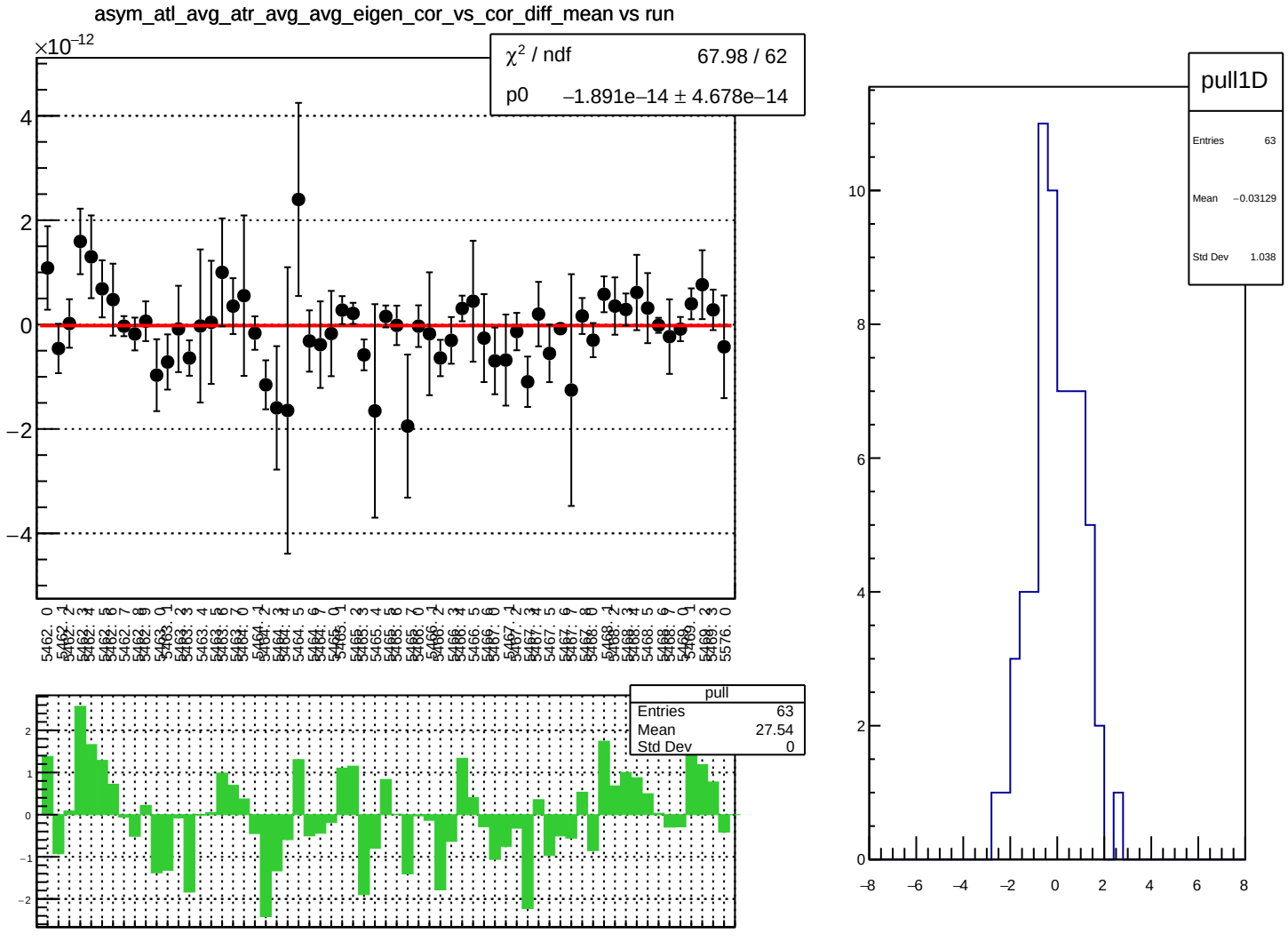

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6449 / 62
p0 0.005057 ± 4.608e−06
0.0055
0.005
0.0045
0.004
0.0035

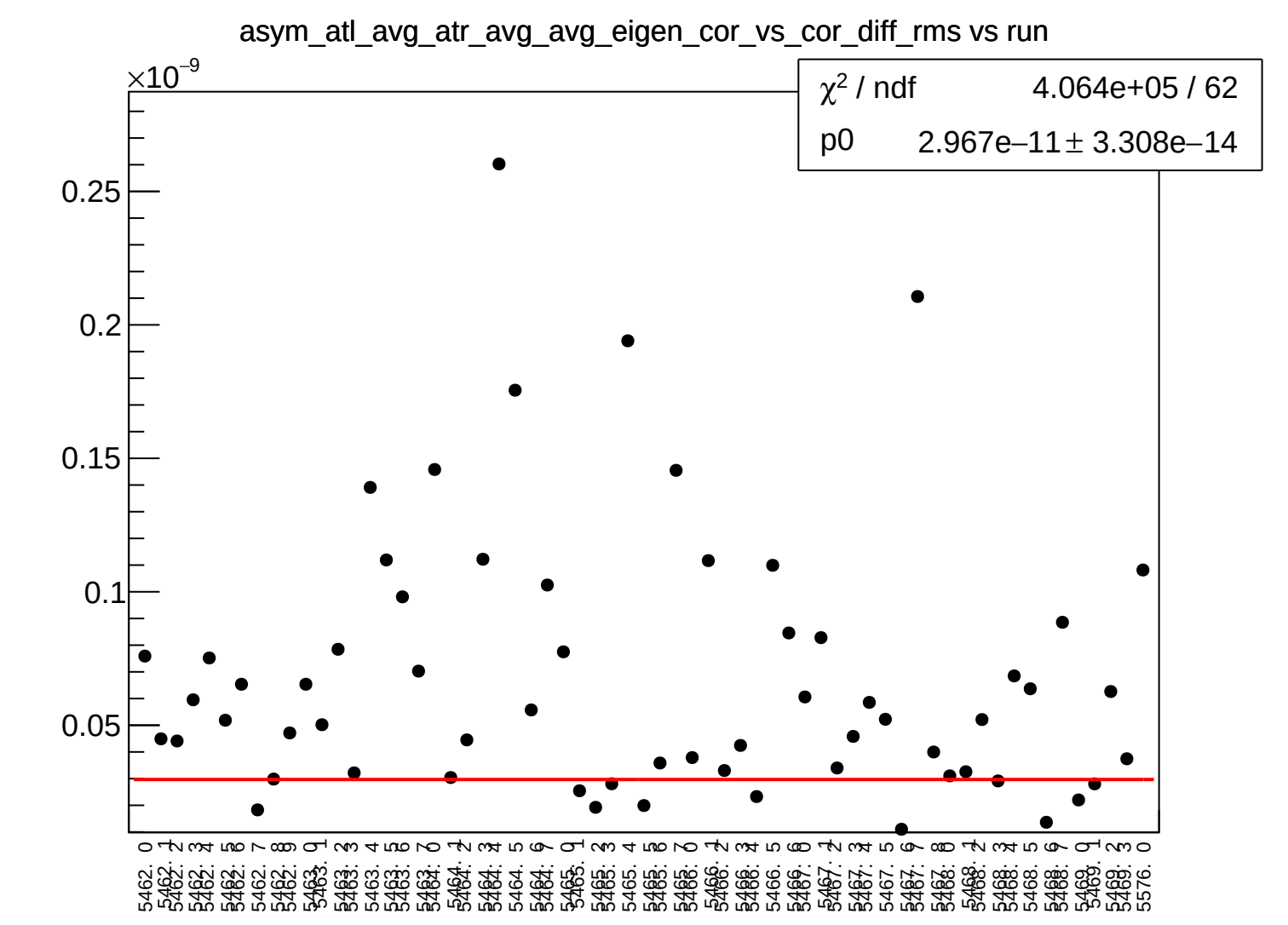

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.08 / 62
p0 −0.2955 ± 1.081
pull
Entries 63
Mean −1312
Std Dev 0
pull1D
Entries 63
Mean −0.001971
Std Dev 1.047

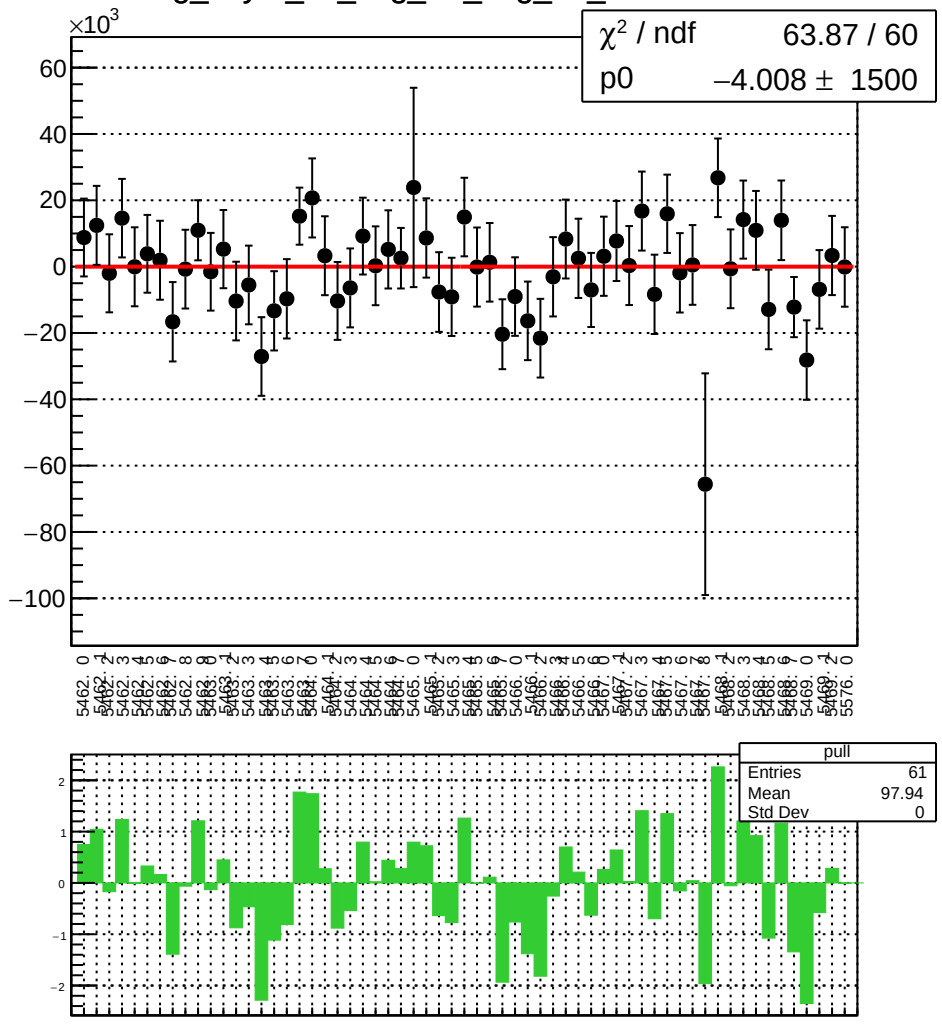

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.351e+04 / 62
p0 829.1 ± 0.7641
1300
1200
1100
1000
900
800
700
600

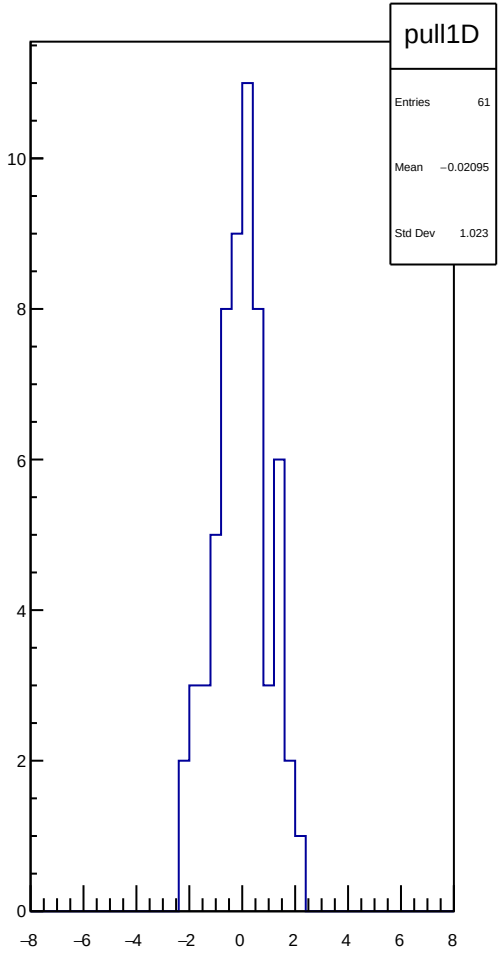

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.08 / 62
p0 −0.2955 ± 1.081
pull
Entries 63
Mean −1312
Std Dev 0
pull1D
Entries 63
Mean −0.001971
Std Dev 1.047

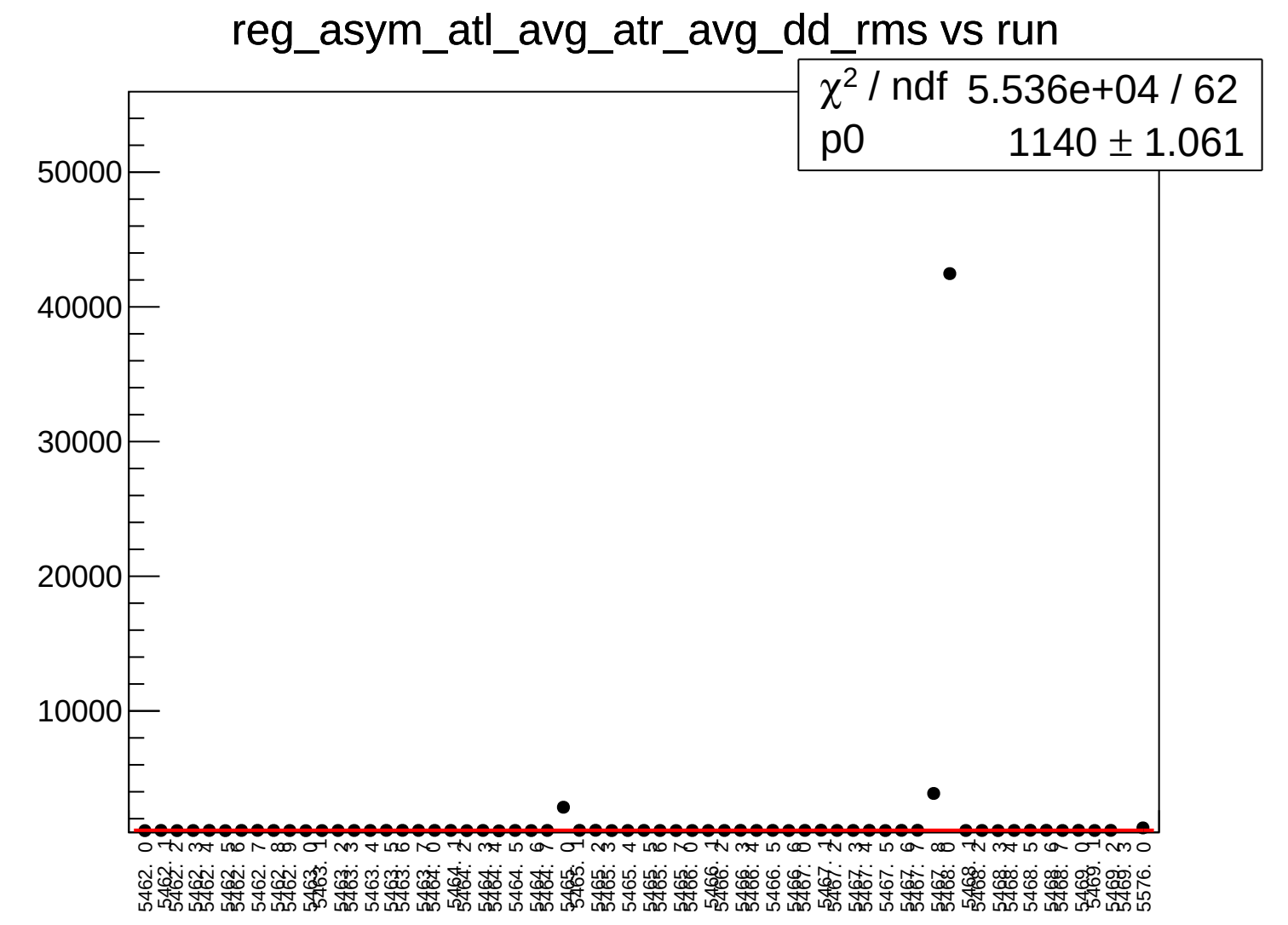

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.351e+04 / 62
p0 829.1 ± 0.7641
1300
1200
1100
1000
900
800
700
600

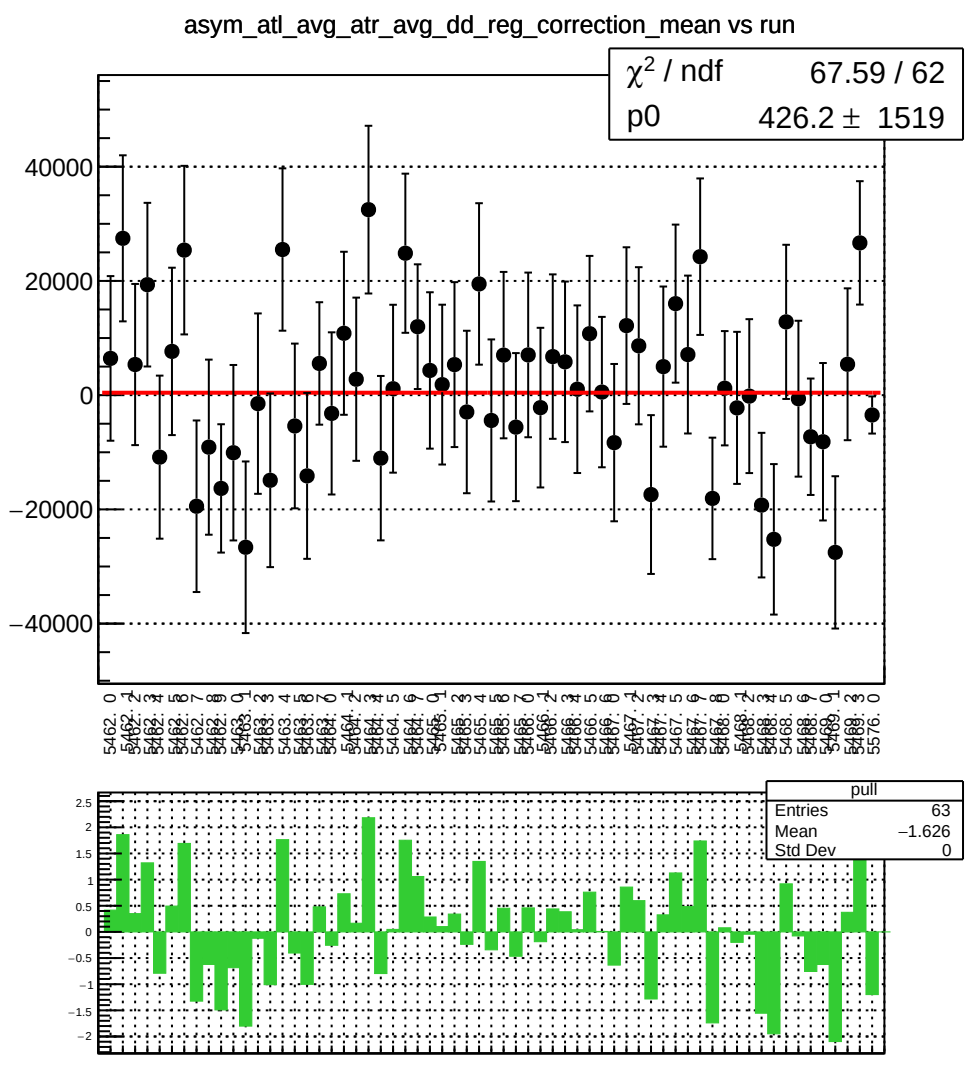

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 67.98 / 62
p0 −1.891e−14 ± 4.678e−14
pull
Entries 63
Mean 27.54
Std Dev 0
pull1D
Entries 63
Mean −0.03129
Std Dev 1.038

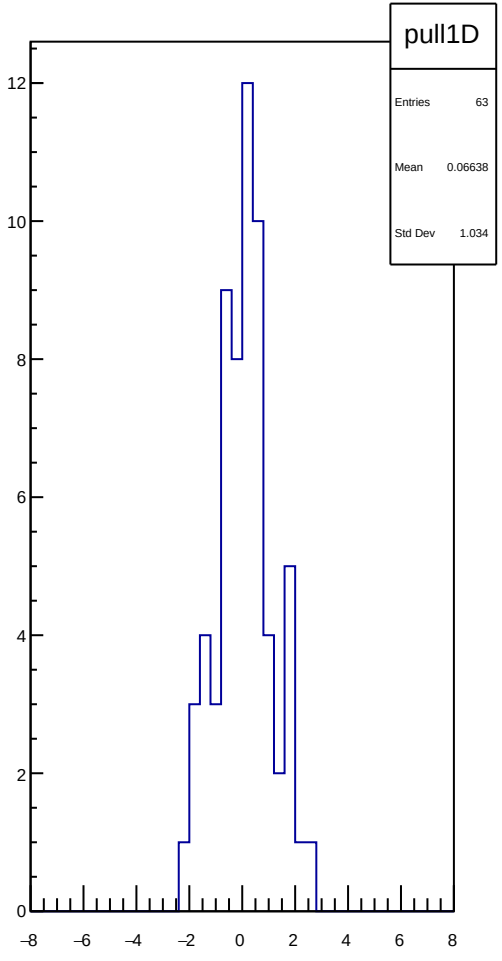

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.064e+05 / 62
p0 2.967e−11 ± 3.308e−14
0.25
0.2
0.15
0.1
0.05

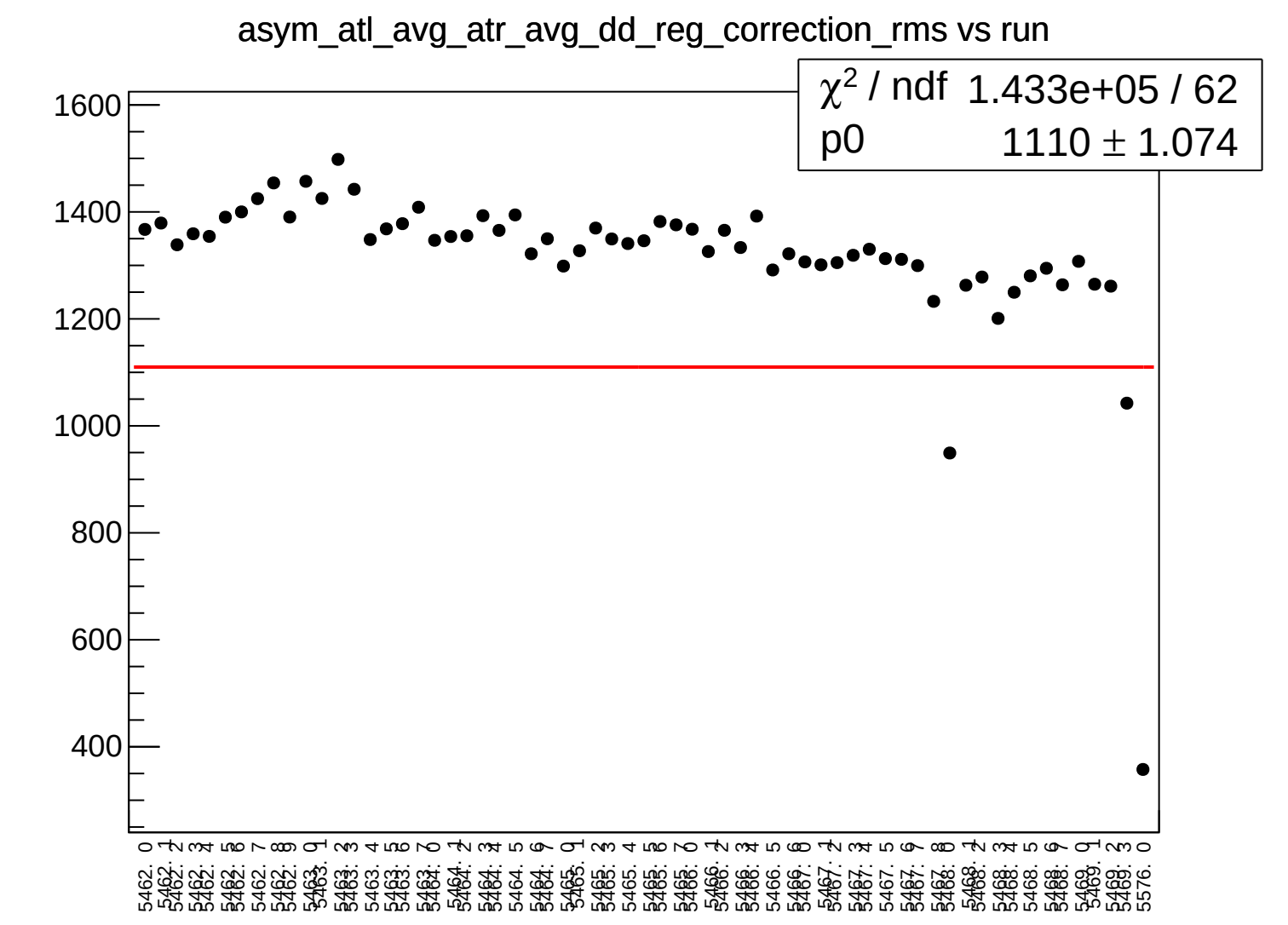

reg_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 63.87 / 60
p0 −4.008 ± 1500
pull
Entries 61
Mean 97.94
Std Dev 0

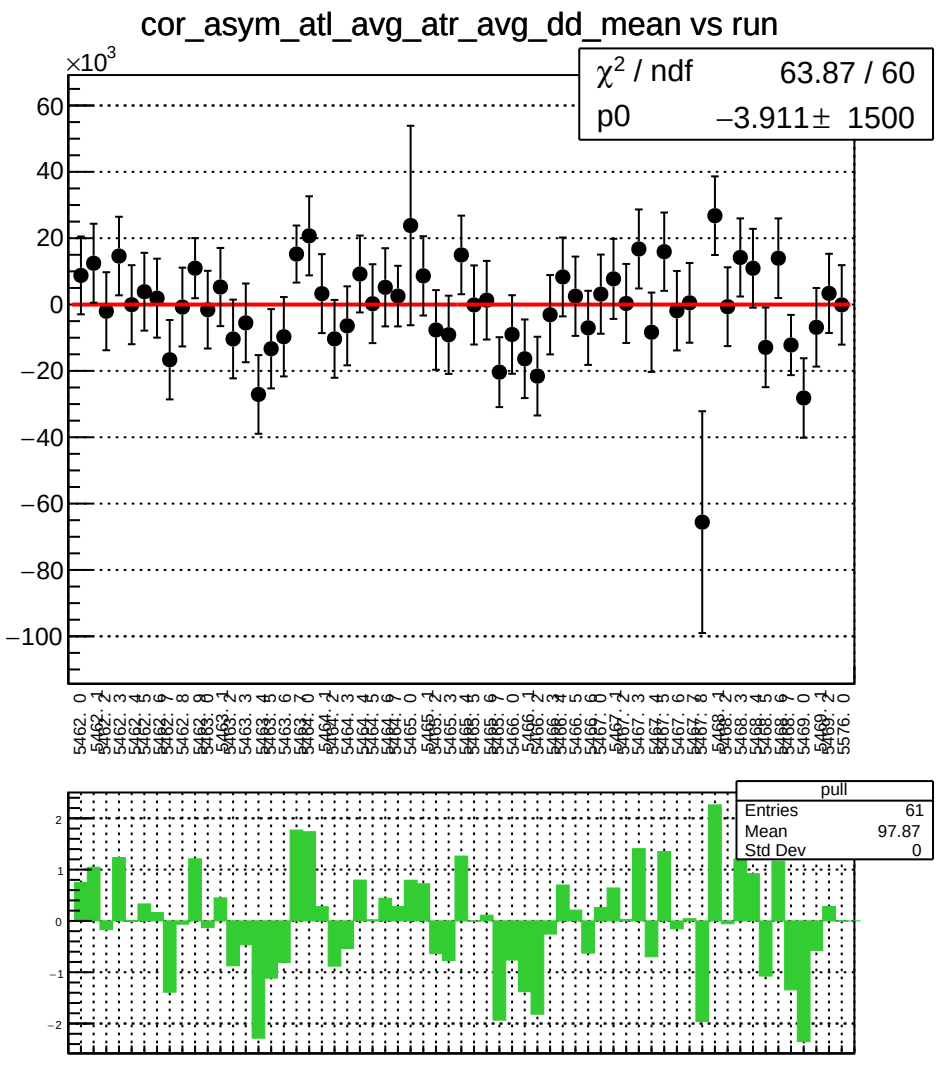

pull1D
Entries 61
Mean −0.02095
Std Dev 1.023

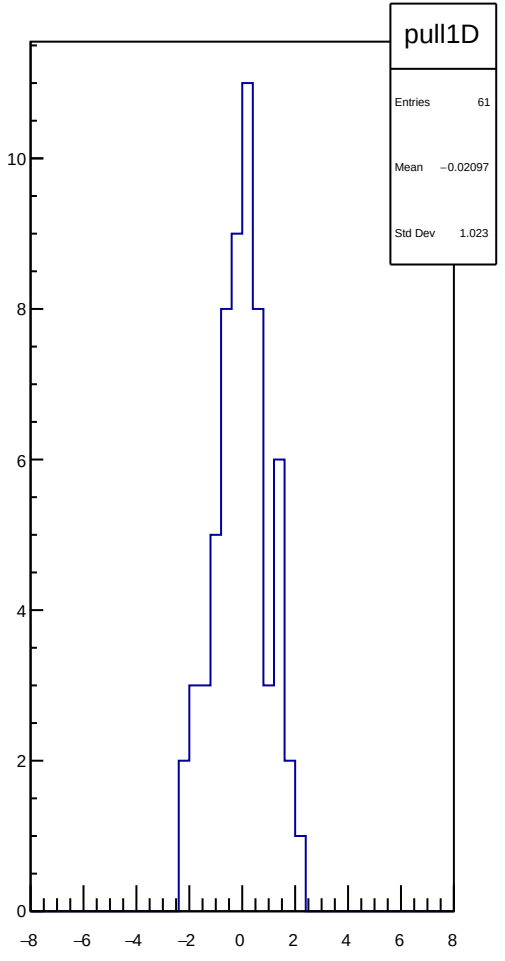

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000

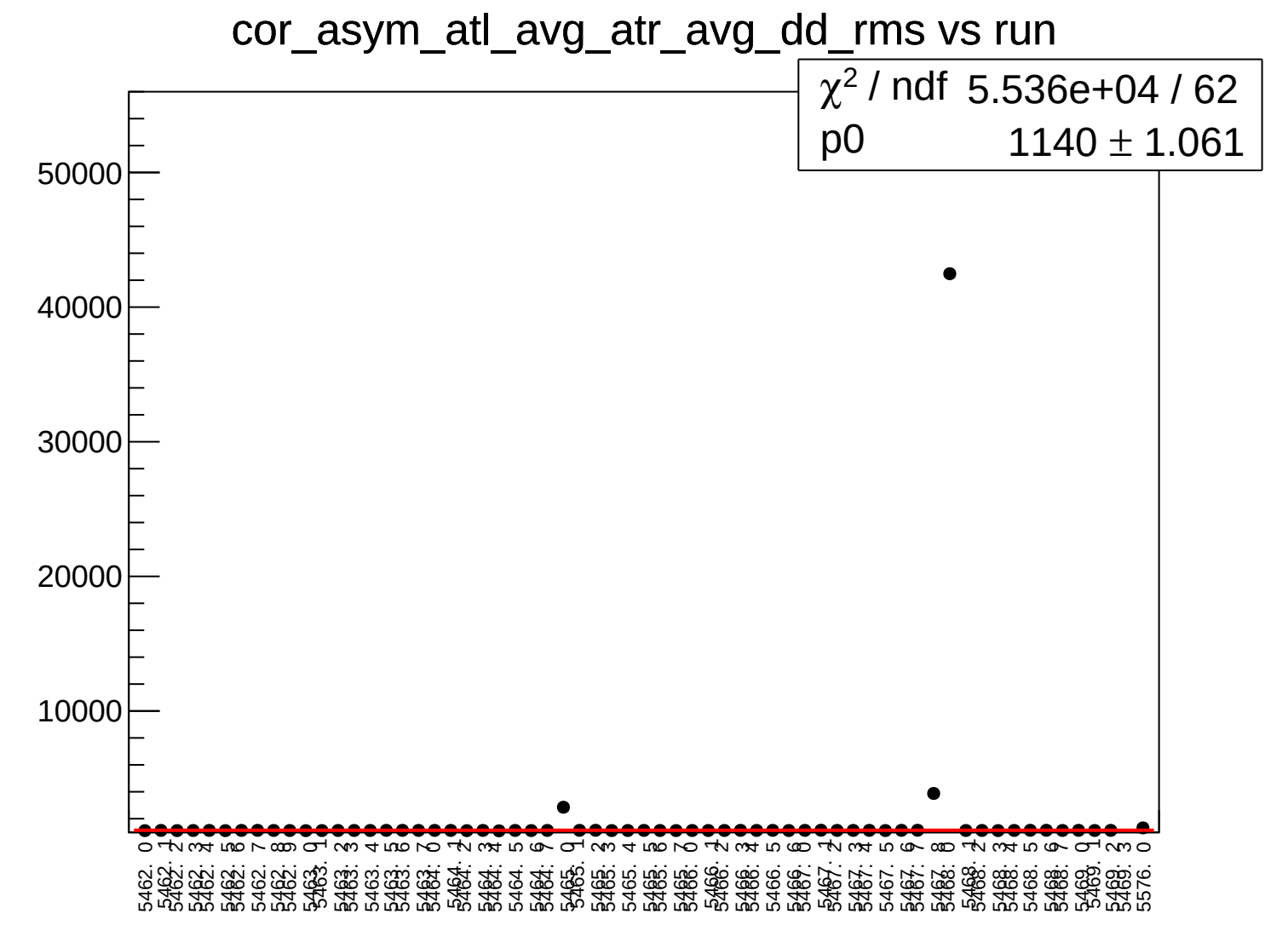

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 67.59 / 62
p0 426.2 ± 1519
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −1.626
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

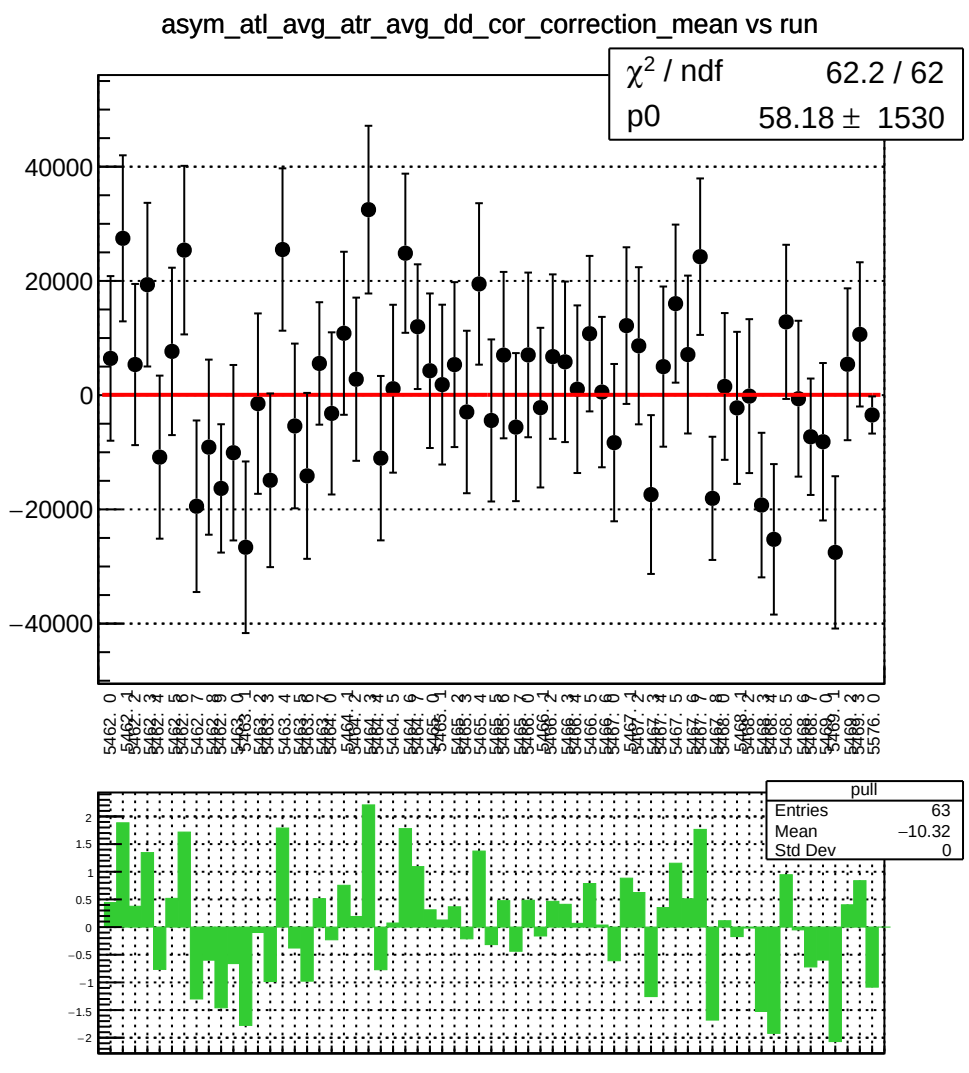

pull1D
Entries 63
Mean 0.06638
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

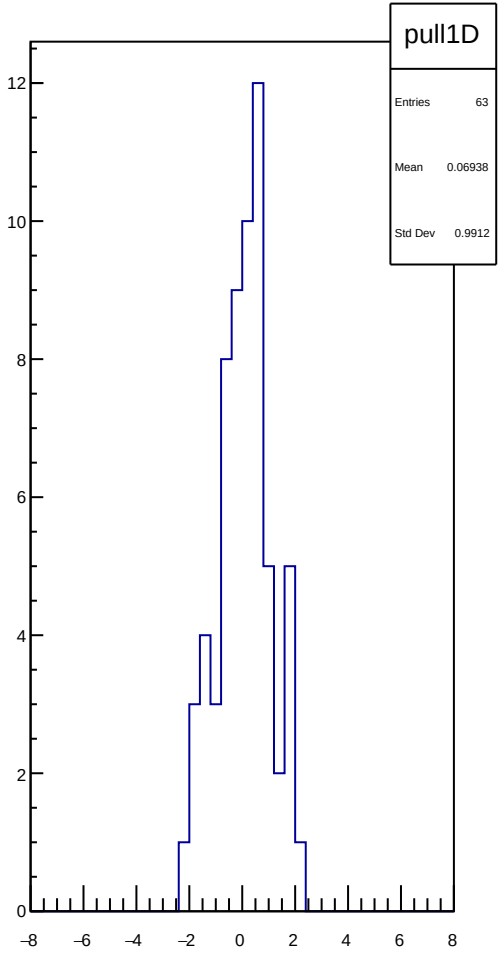

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.433e+05 / 62
p0 1110 ± 1.074
1600
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

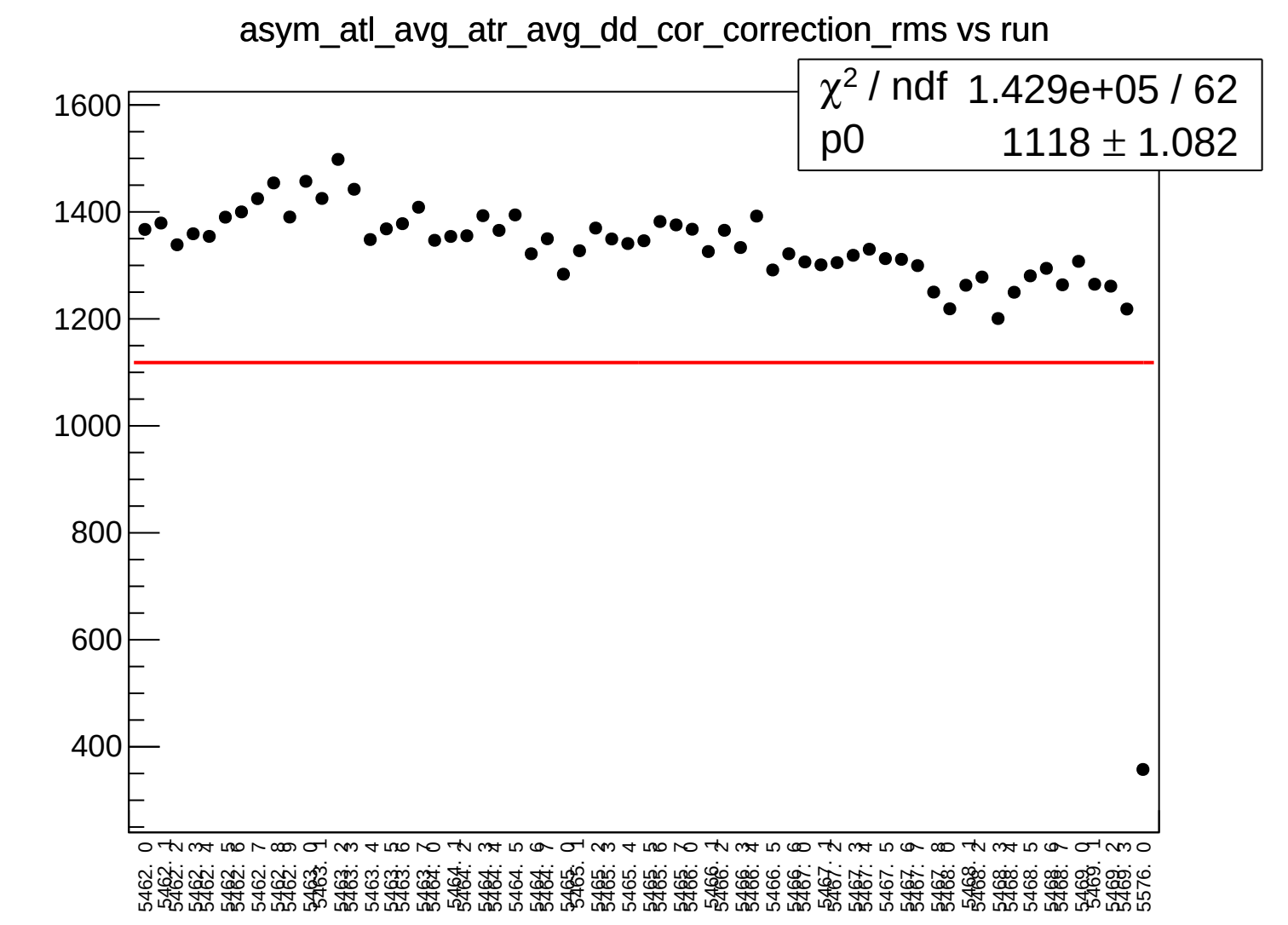

cor_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ^2 / ndf 63.87 / 60
p0 −3.911± 1500
pull
Entries 61
Mean 97.87
Std Dev 0

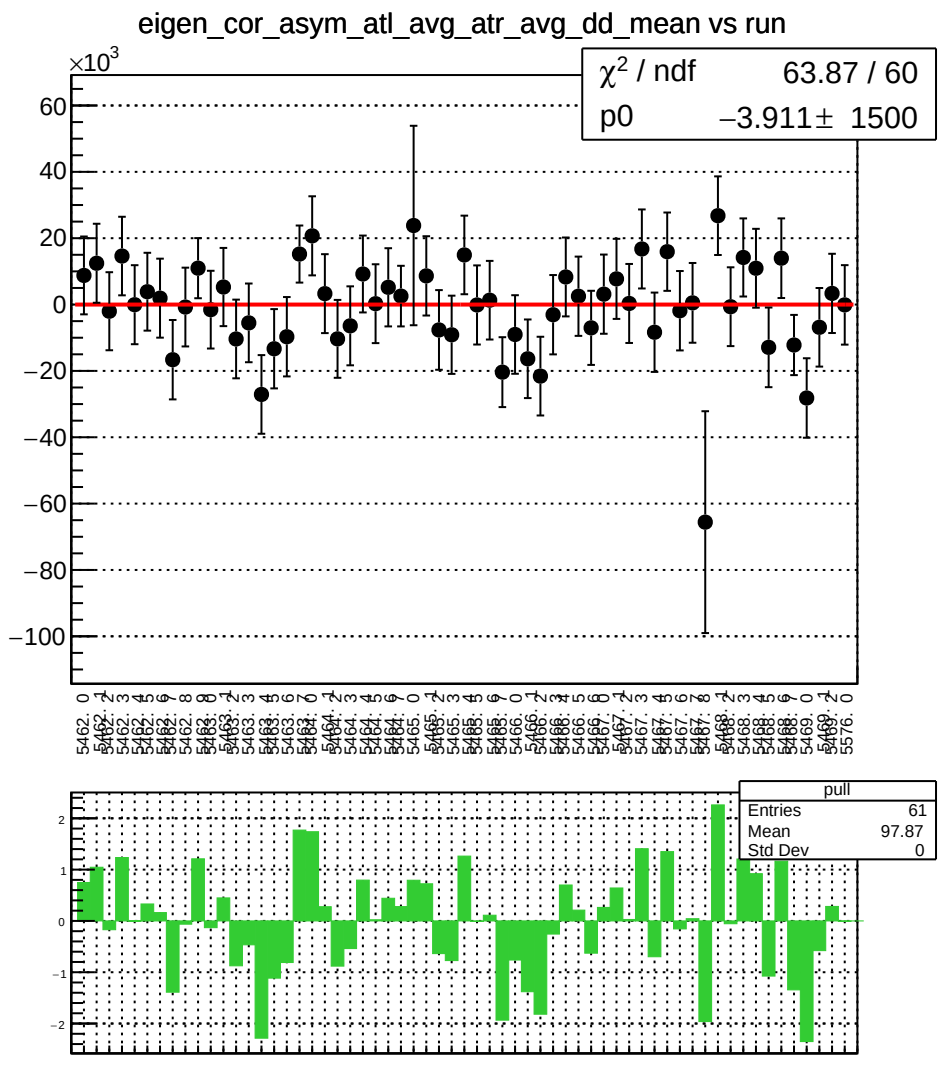

pull1D
Entries 61
Mean −0.02097
Std Dev 1.023

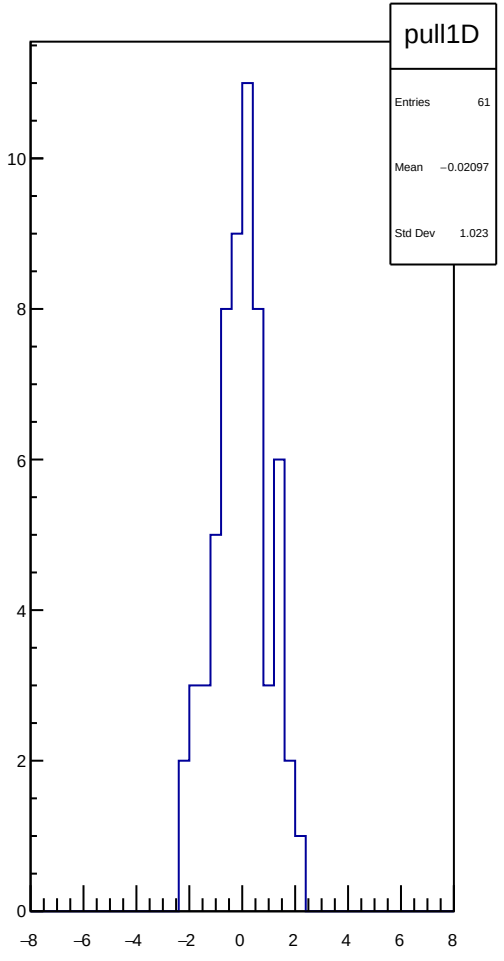

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 9
5469. 1
5469. 2
5469. 3
5576. 0

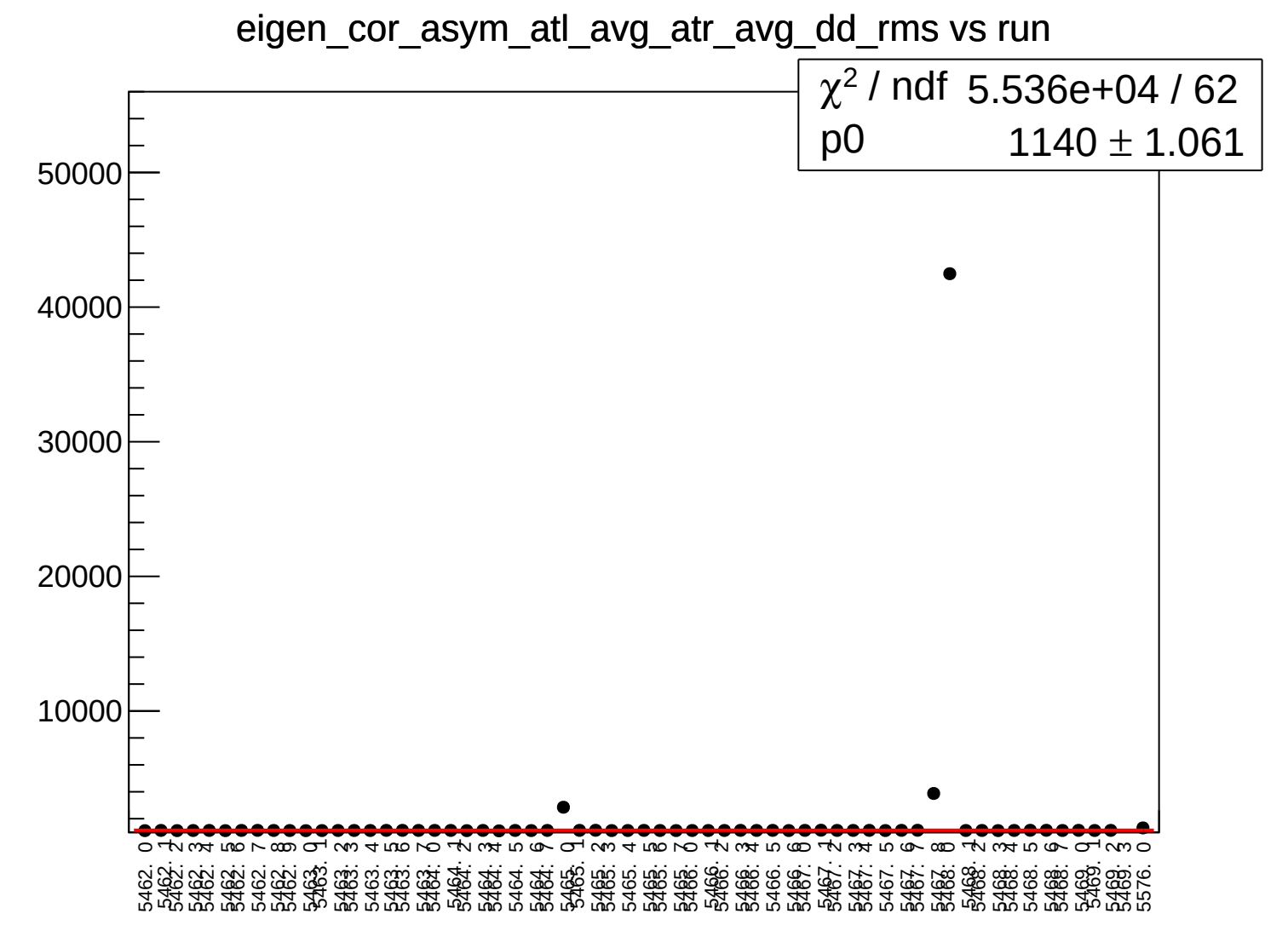

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 62.2 / 62
p0 58.18 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −10.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

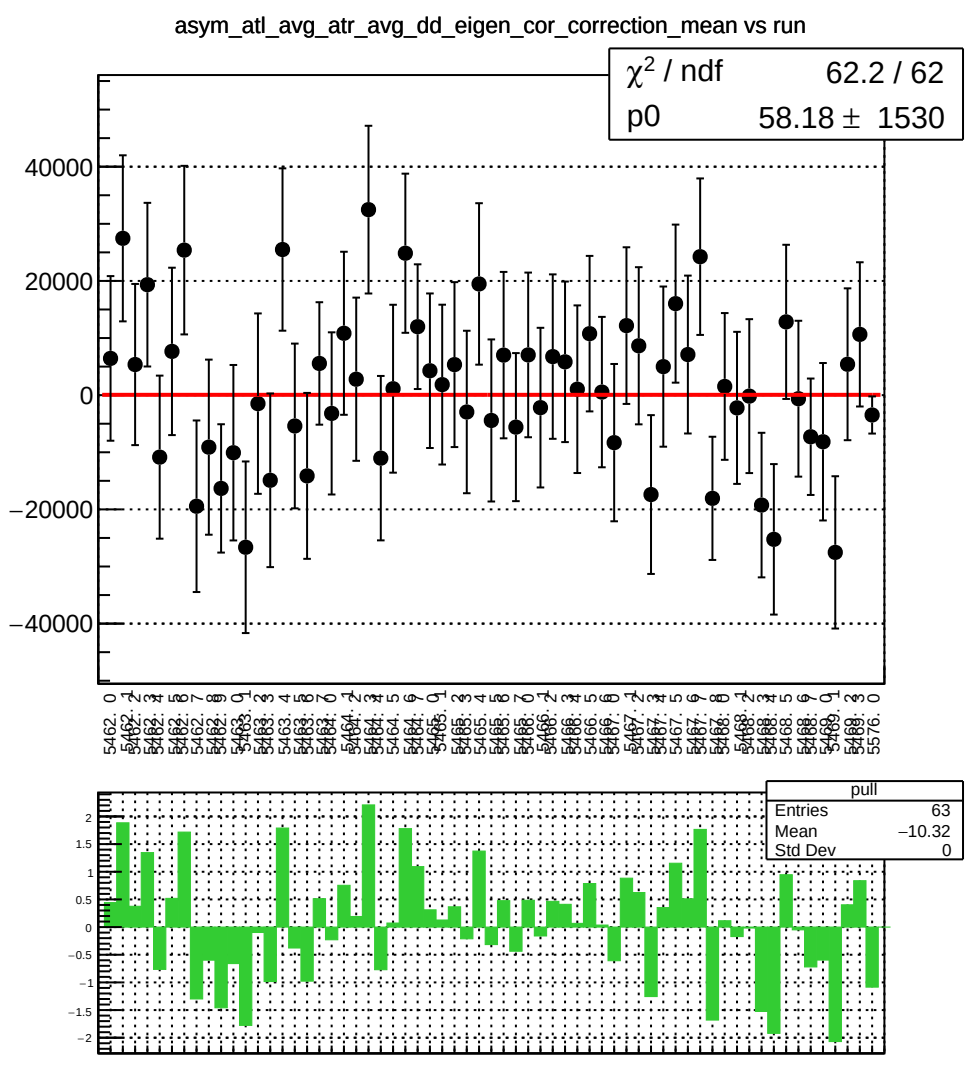

pull1D
Entries 63
Mean 0.06938
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

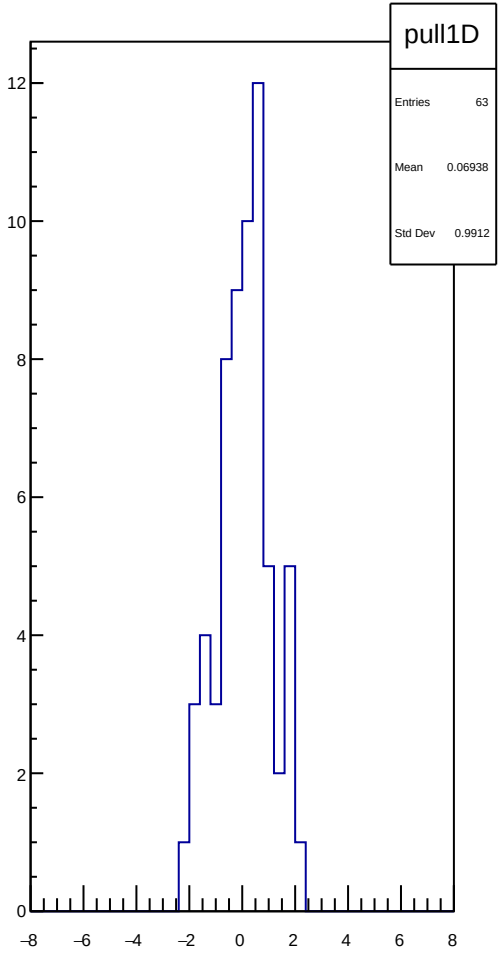

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.429e+05 / 62
p0 1118 ± 1.082
1600
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

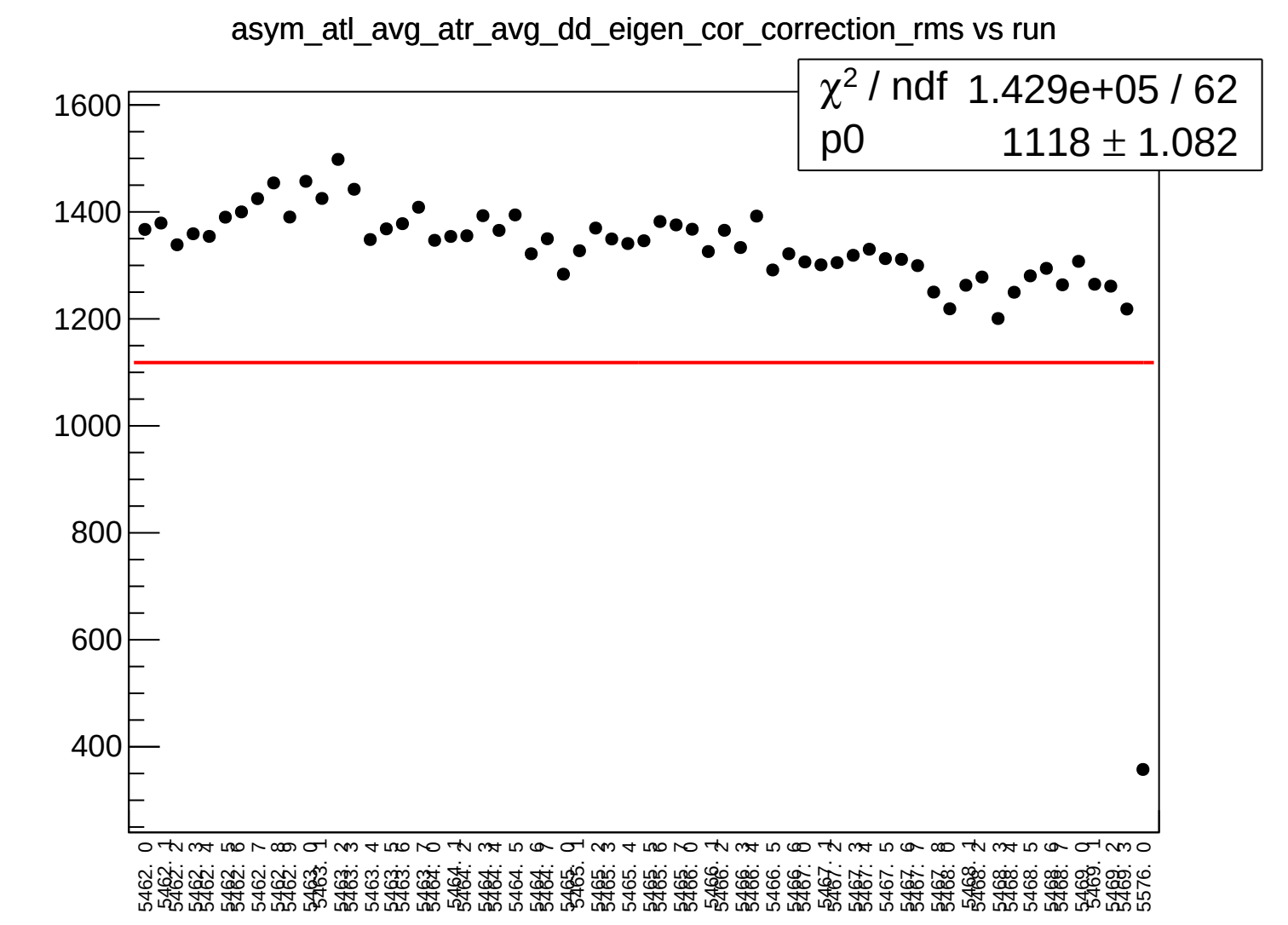

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 63.87 / 60
p0 −3.911± 1500
×10³
pull
Entries 61
Mean 97.87
Std Dev 0

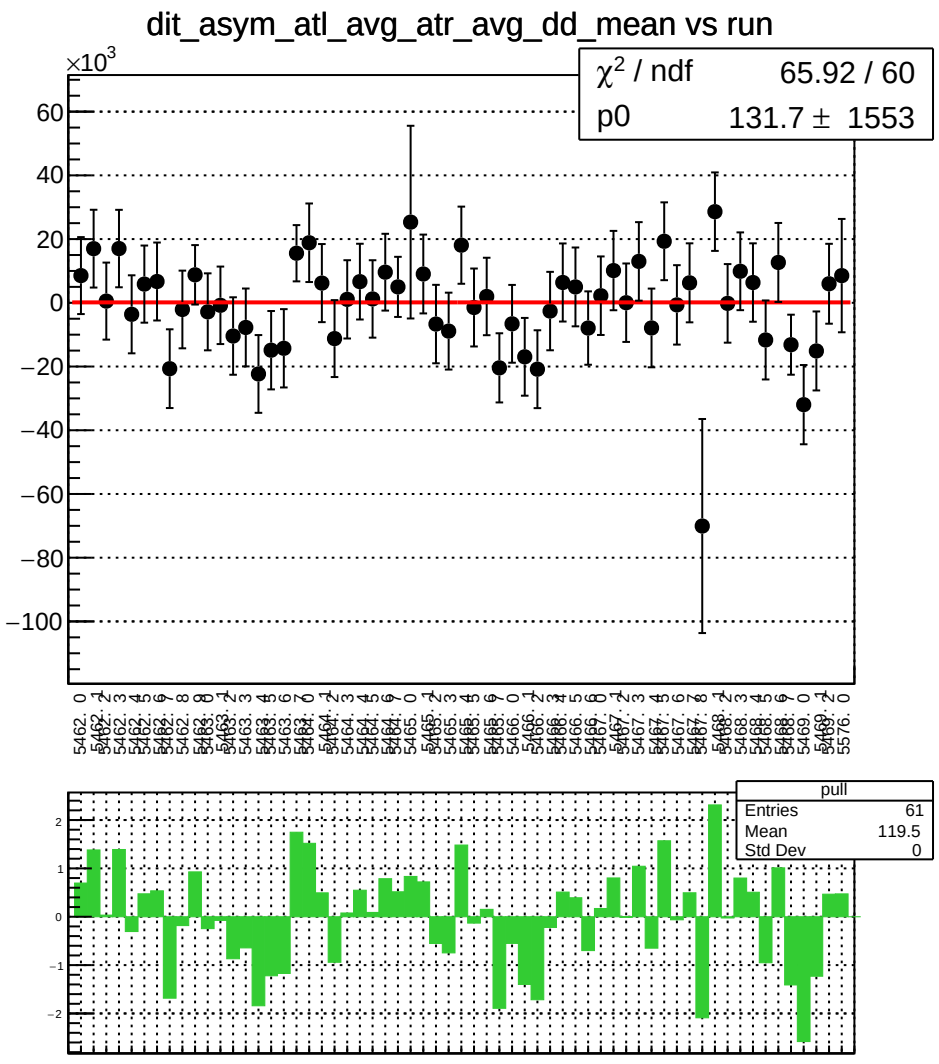

pull1D
Entries 61
Mean −0.02097
Std Dev 1.023

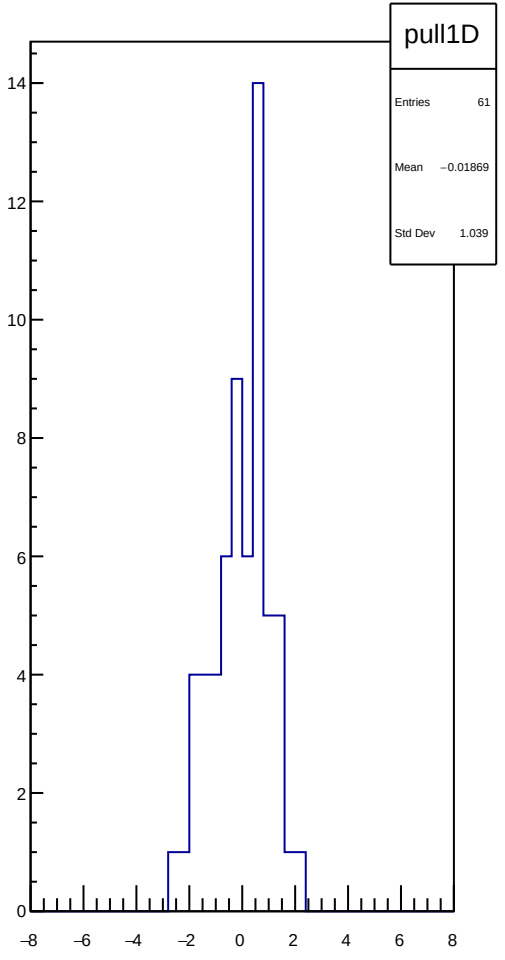

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000

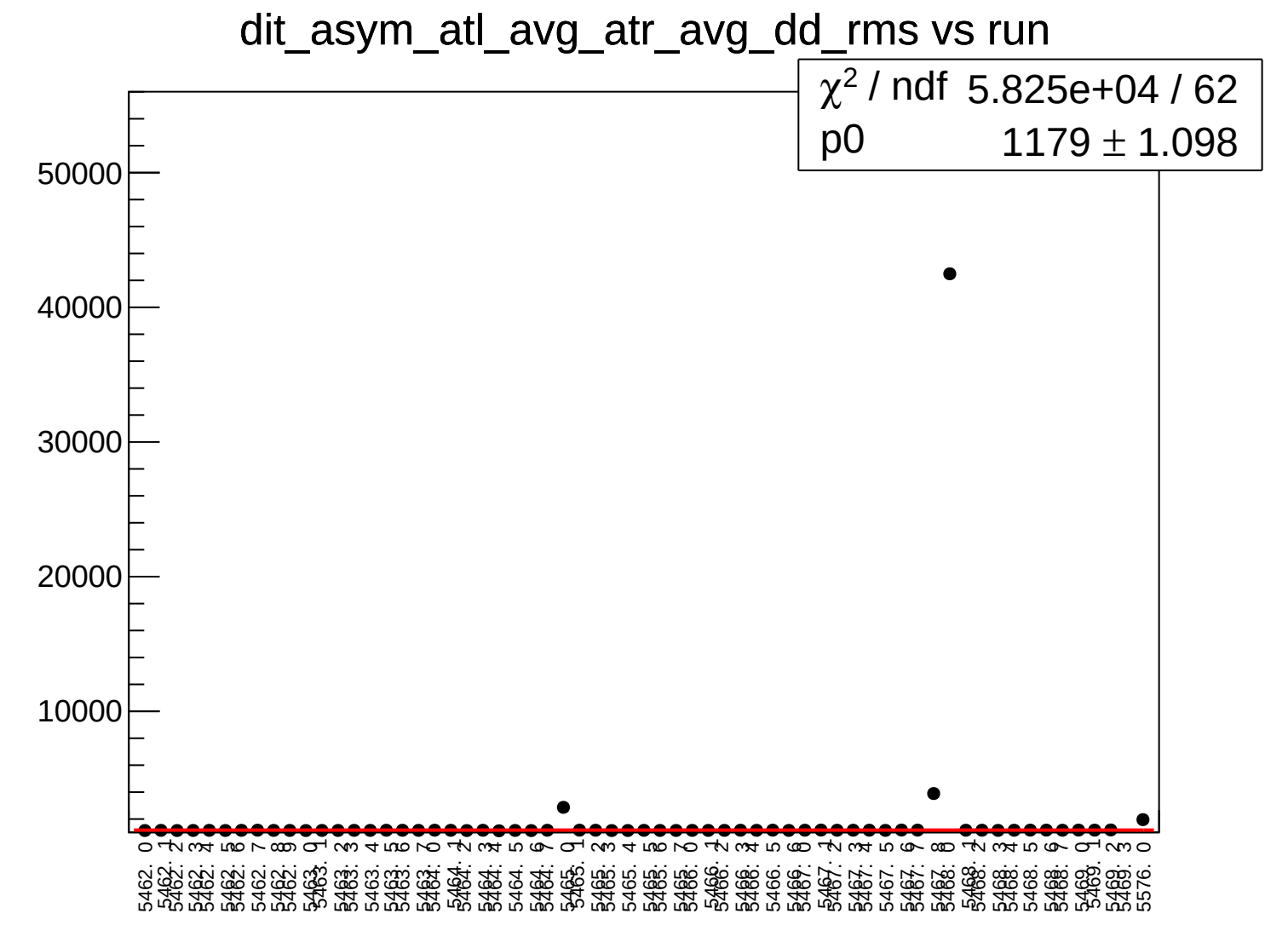

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.2 / 62
p0 58.18 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −10.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

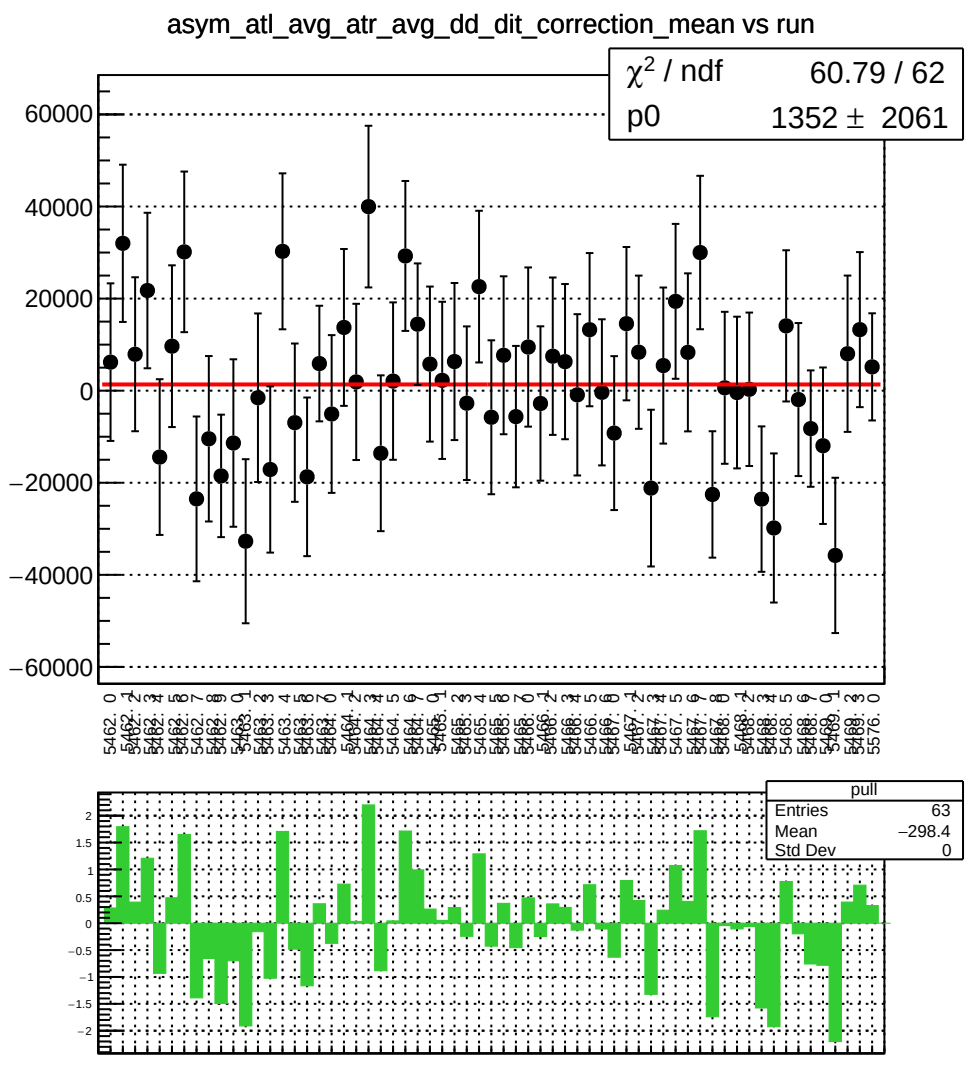

pull1D
Entries 63
Mean 0.06938
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

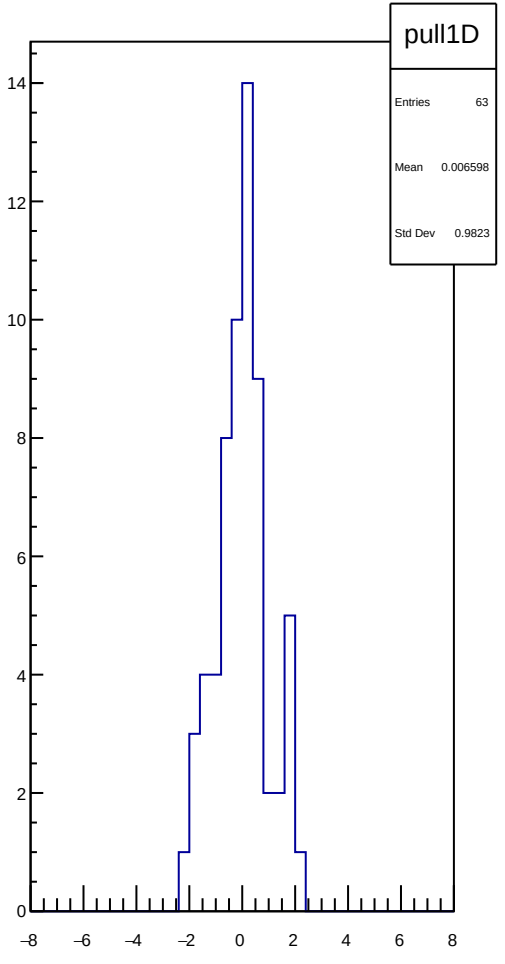

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.429e+05 / 62
p0 1118 ± 1.082
1600
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

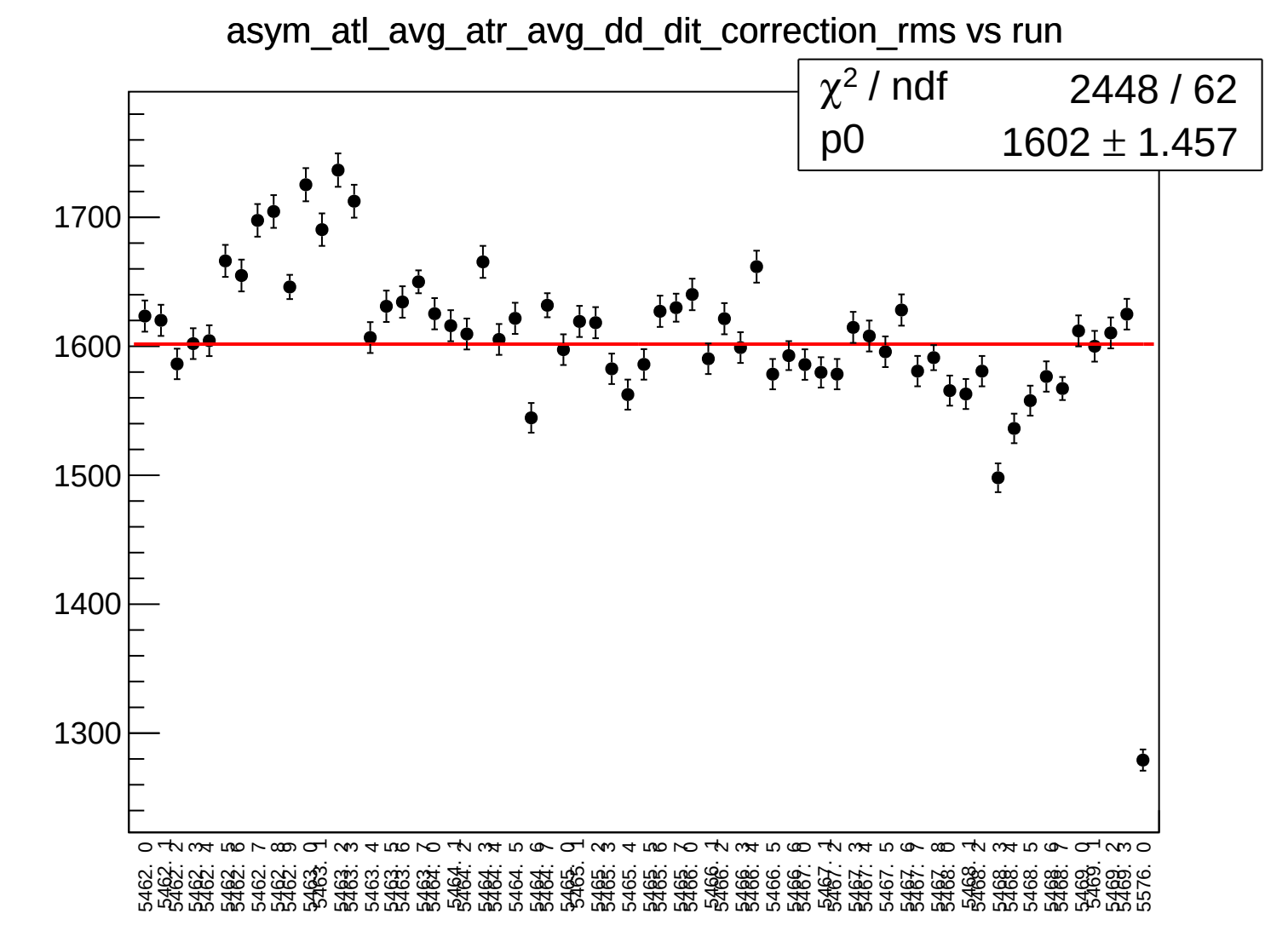

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 65.92 / 60
p0 131.7 ± 1553
pull
Entries 61
Mean 119.5
Std Dev 0

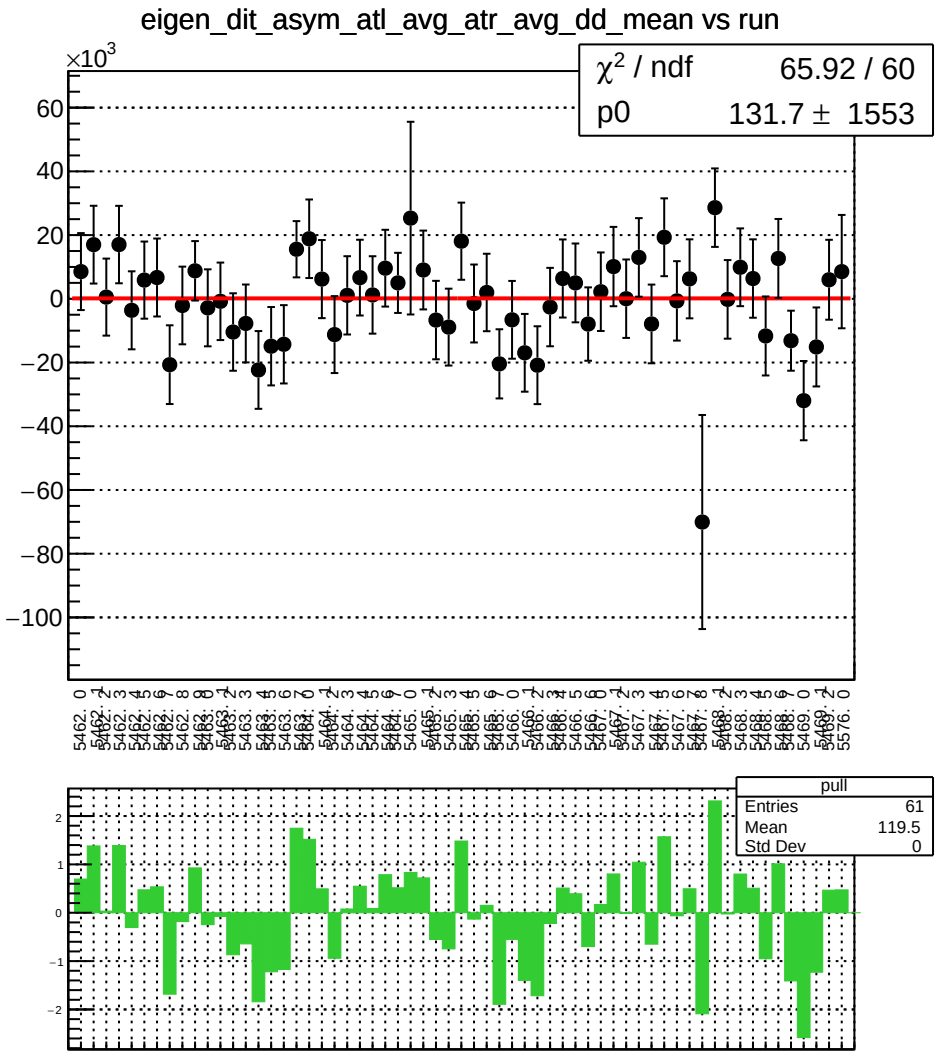

pull1D
Entries 61
Mean −0.01869
Std Dev 1.039

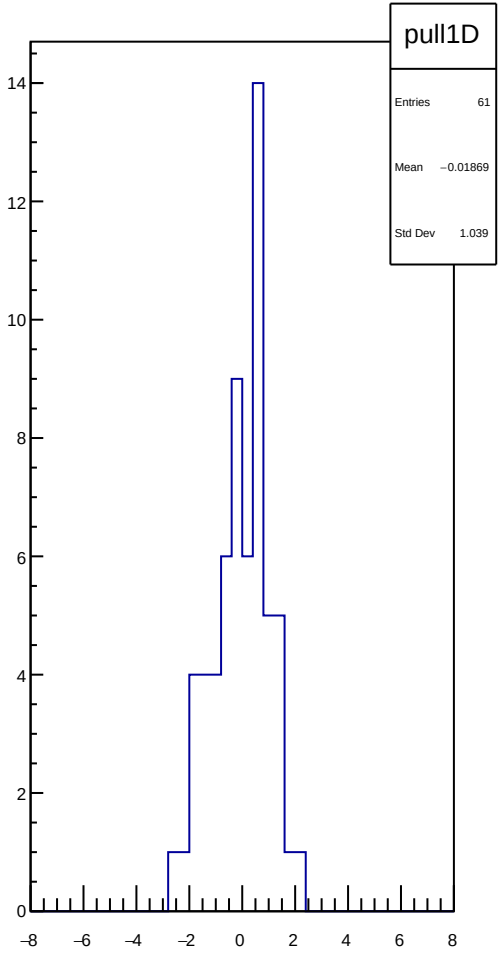

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5.825e+04 / 62
p0 1179 ± 1.098
50000
40000
30000
20000
10000
5462. 0
5576. 0

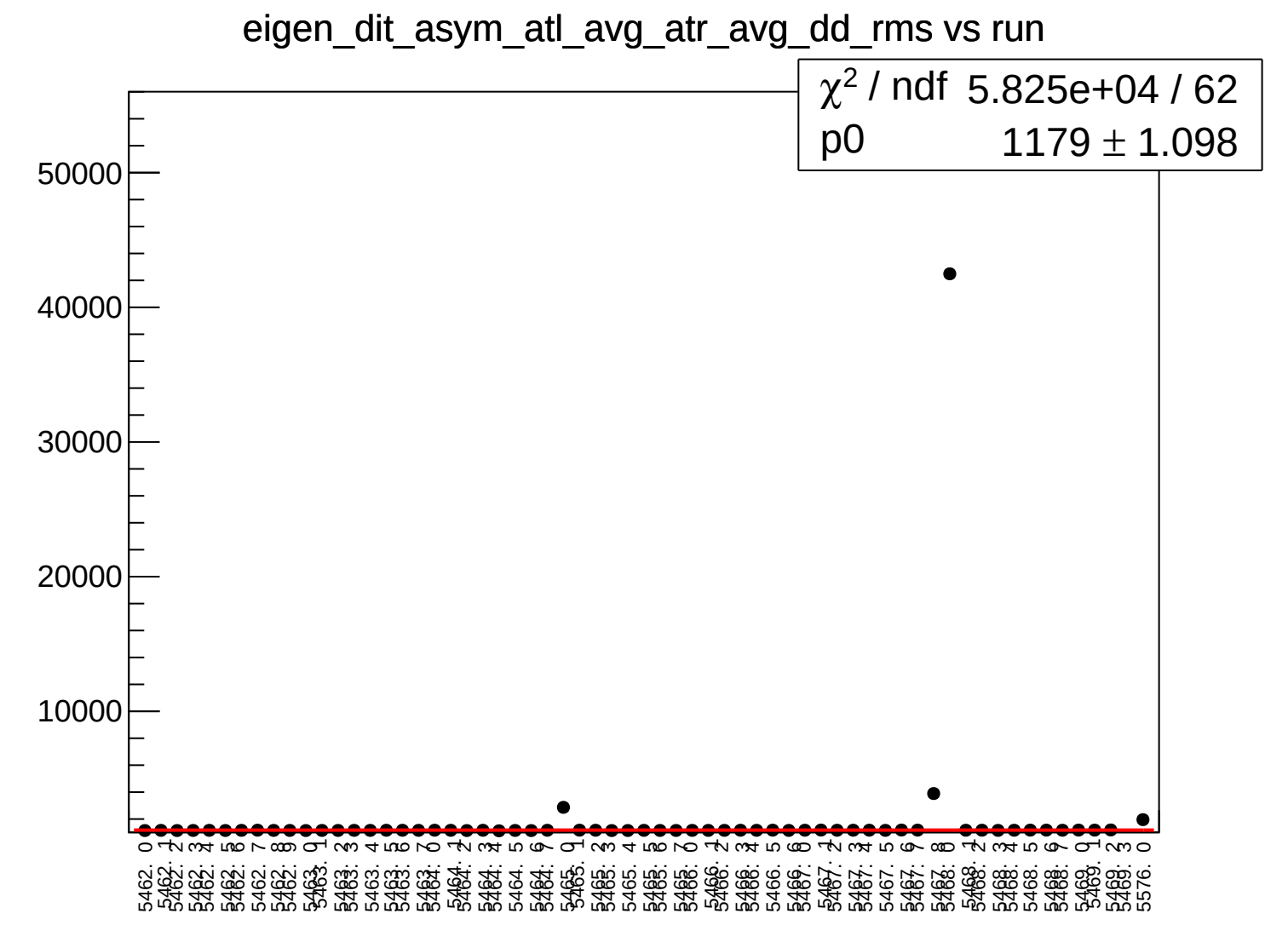

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 60.79 / 62
p0 1352 ± 2061
pull
Entries 63
Mean −298.4
Std Dev 0


pull1D
Entries 63
Mean 0.006598
Std Dev 0.9823


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 2448 / 62
p0 1602 ± 1.457
1700
1600
1500
1400
1300


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.92 / 60
p0 131.7 ± 1553
pull
Entries 61
Mean 119.5
Std Dev 0


pull1D
Entries 61
Mean −0.01869
Std Dev 1.039


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5.825e+04 / 62
p0 1179 ± 1.098
50000
40000
30000
20000
10000
5462. 0
5462. 1
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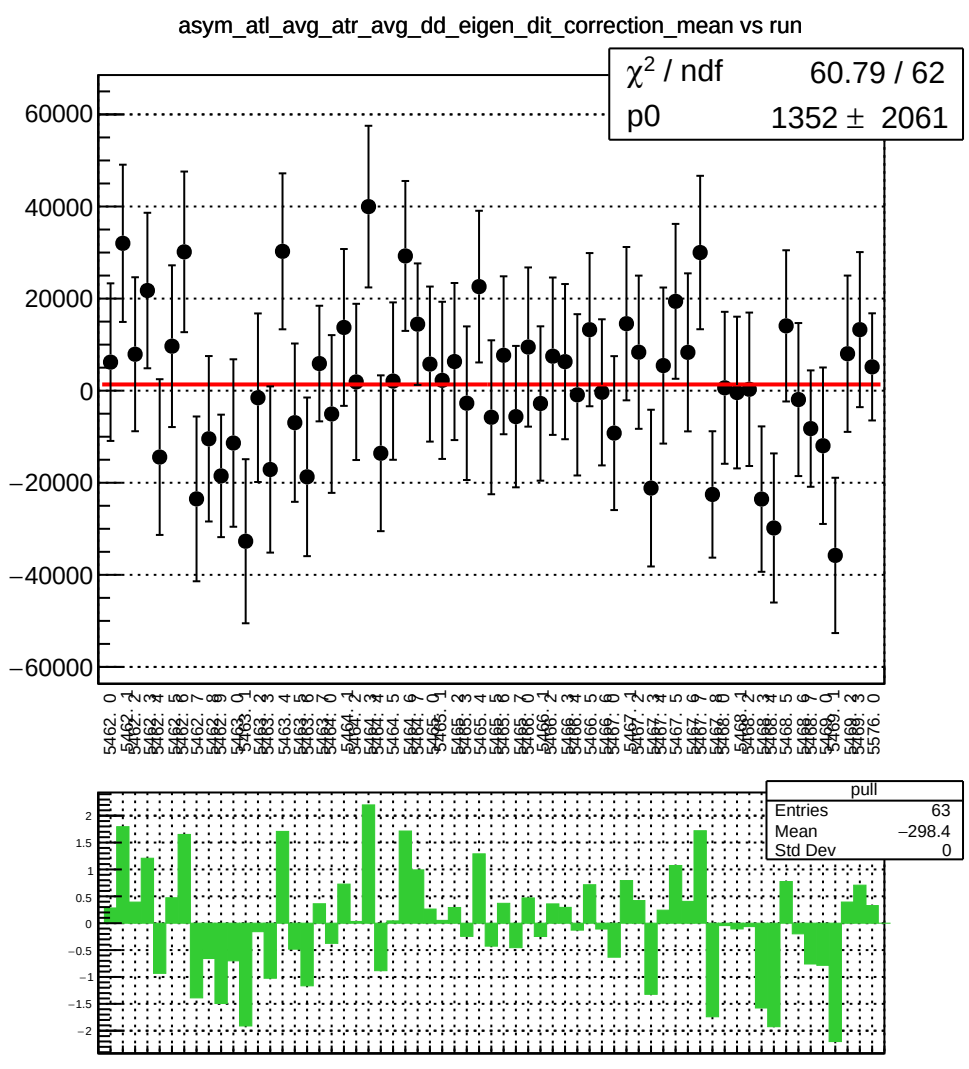
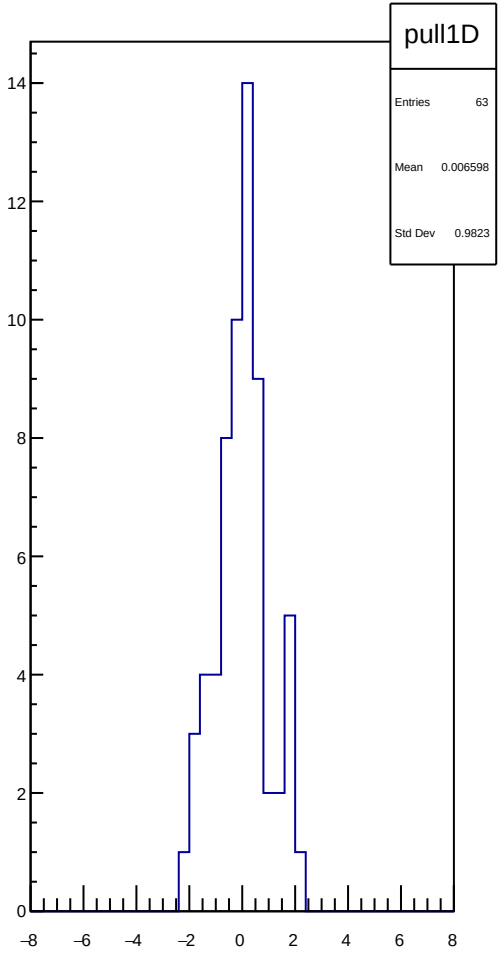
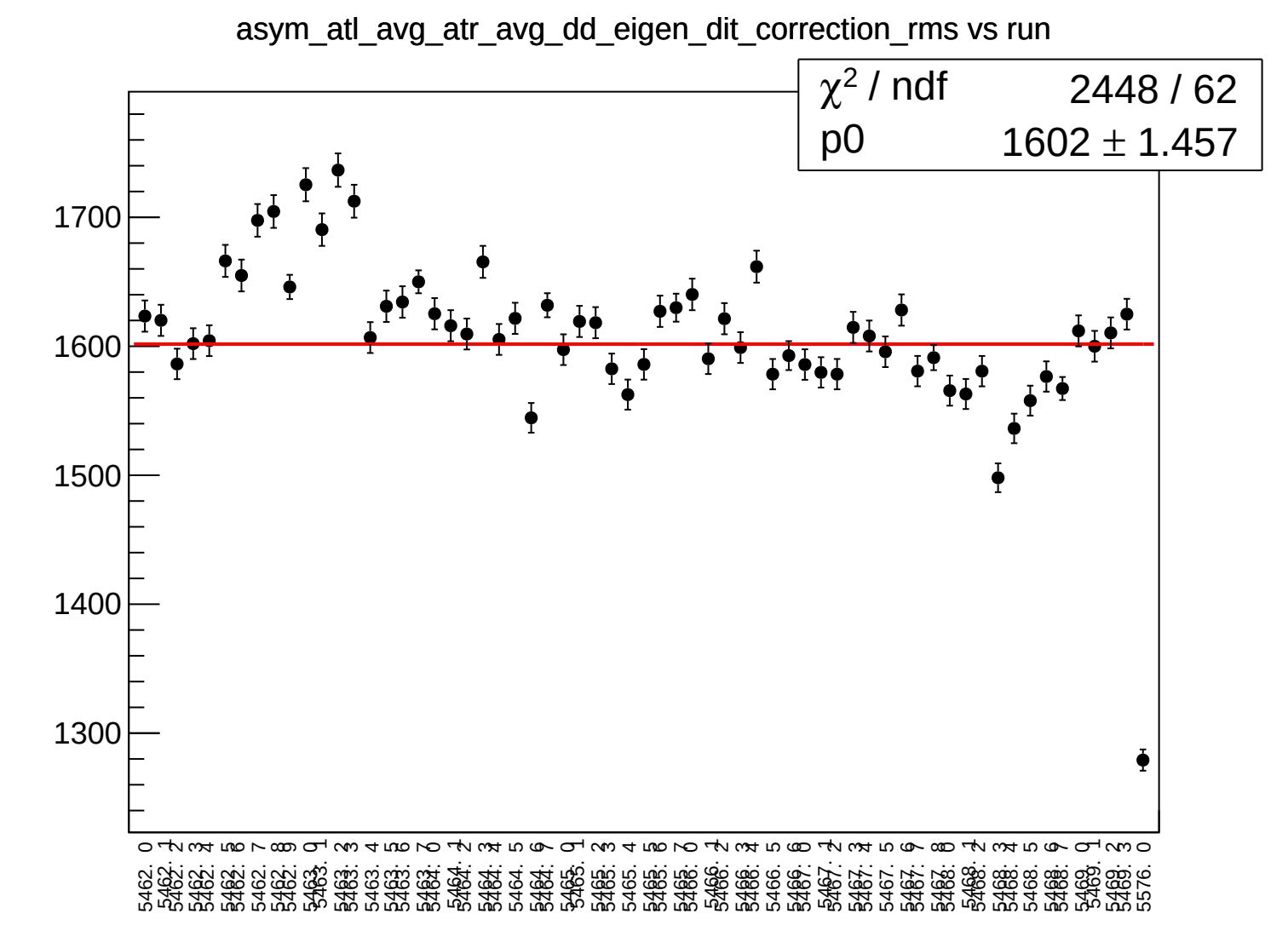
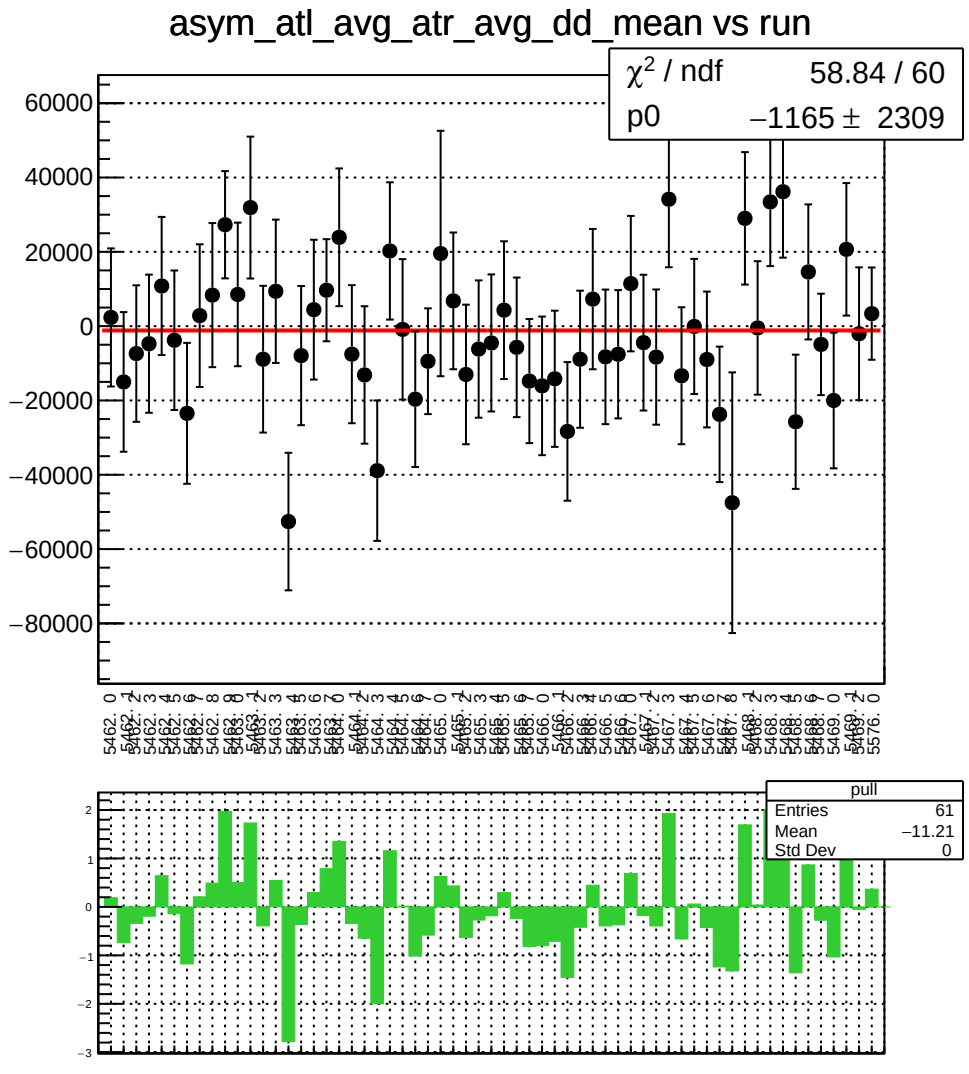
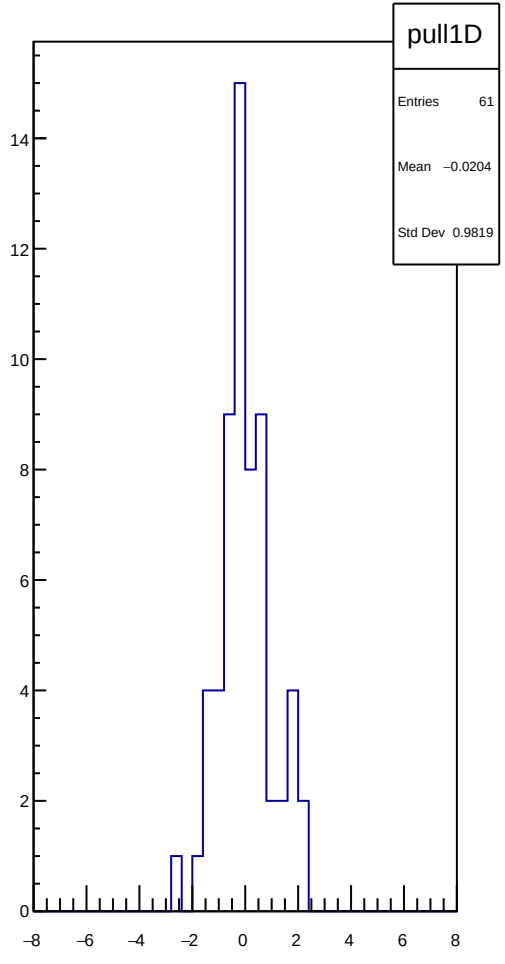
5576. 0

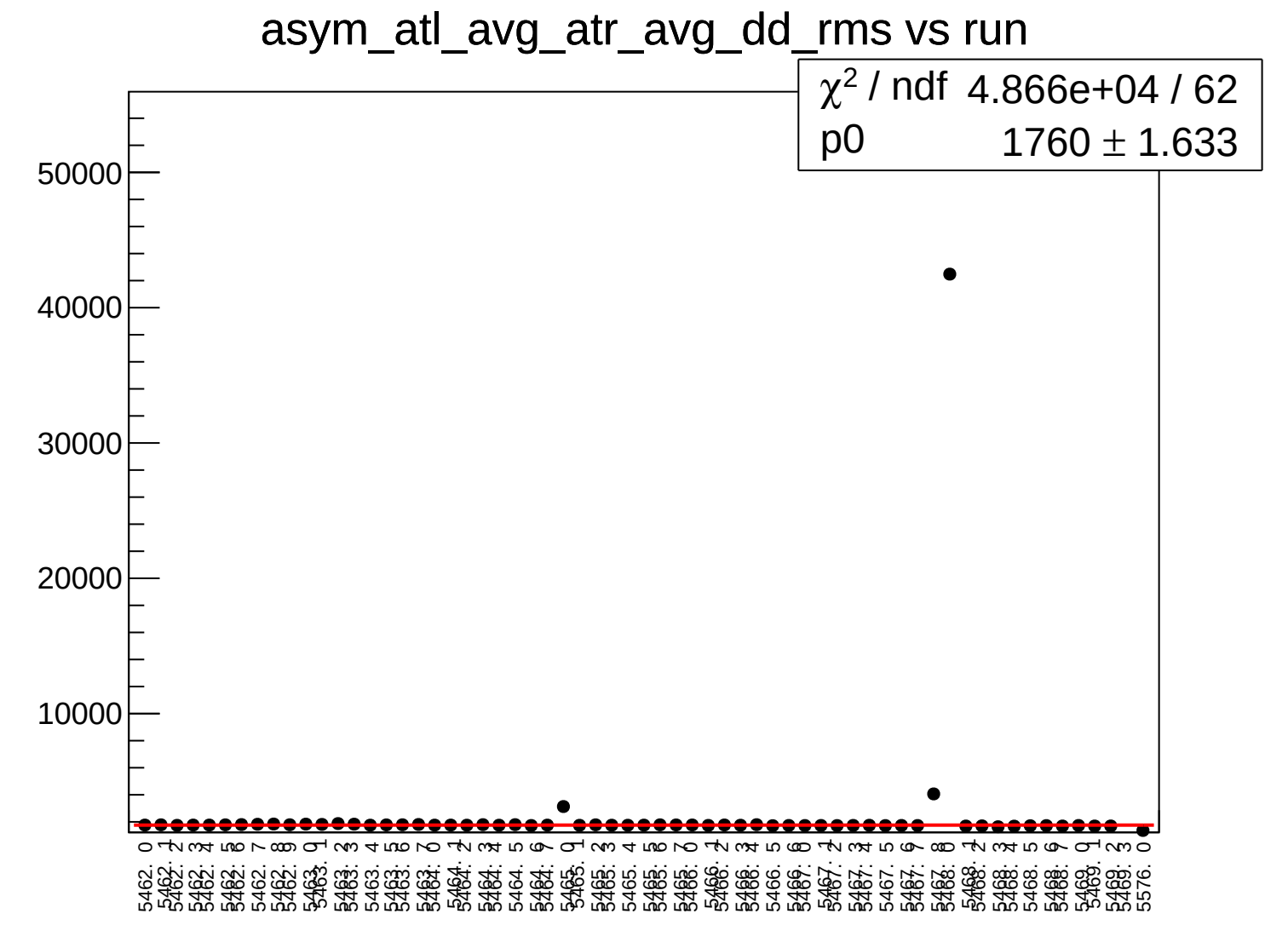

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.79 / 62
p0 1352 ± 2061
pull
Entries 63
Mean −298.4
Std Dev 0

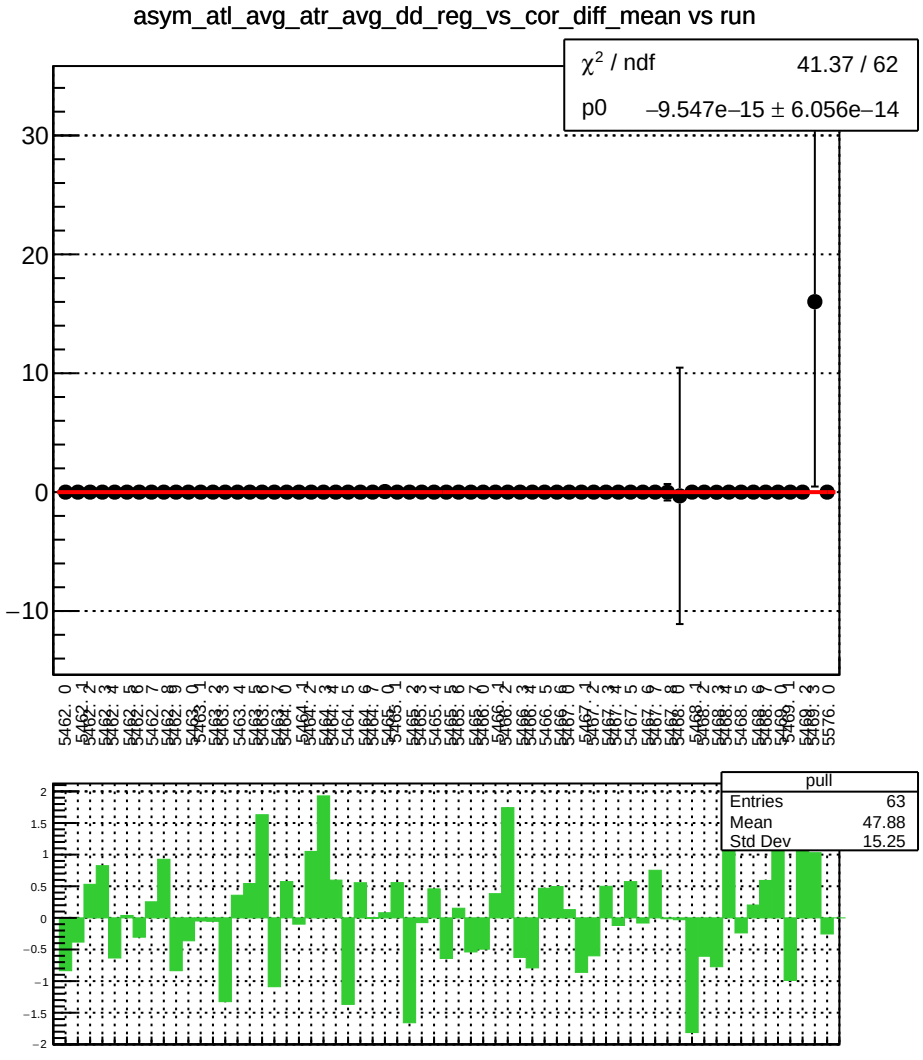

pull1D
Entries 63
Mean 0.006598
Std Dev 0.9823

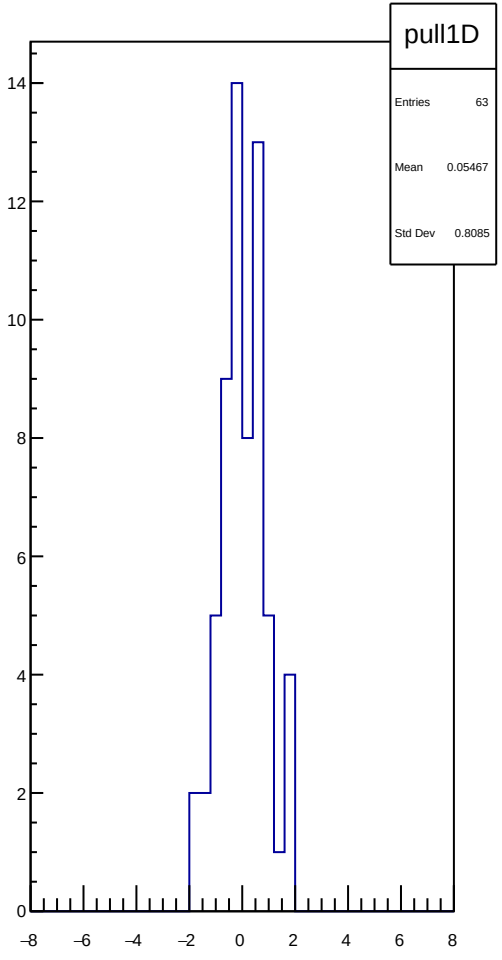

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2448 / 62
p0 1602 ± 1.457
1700
1600
1500
1400
1300

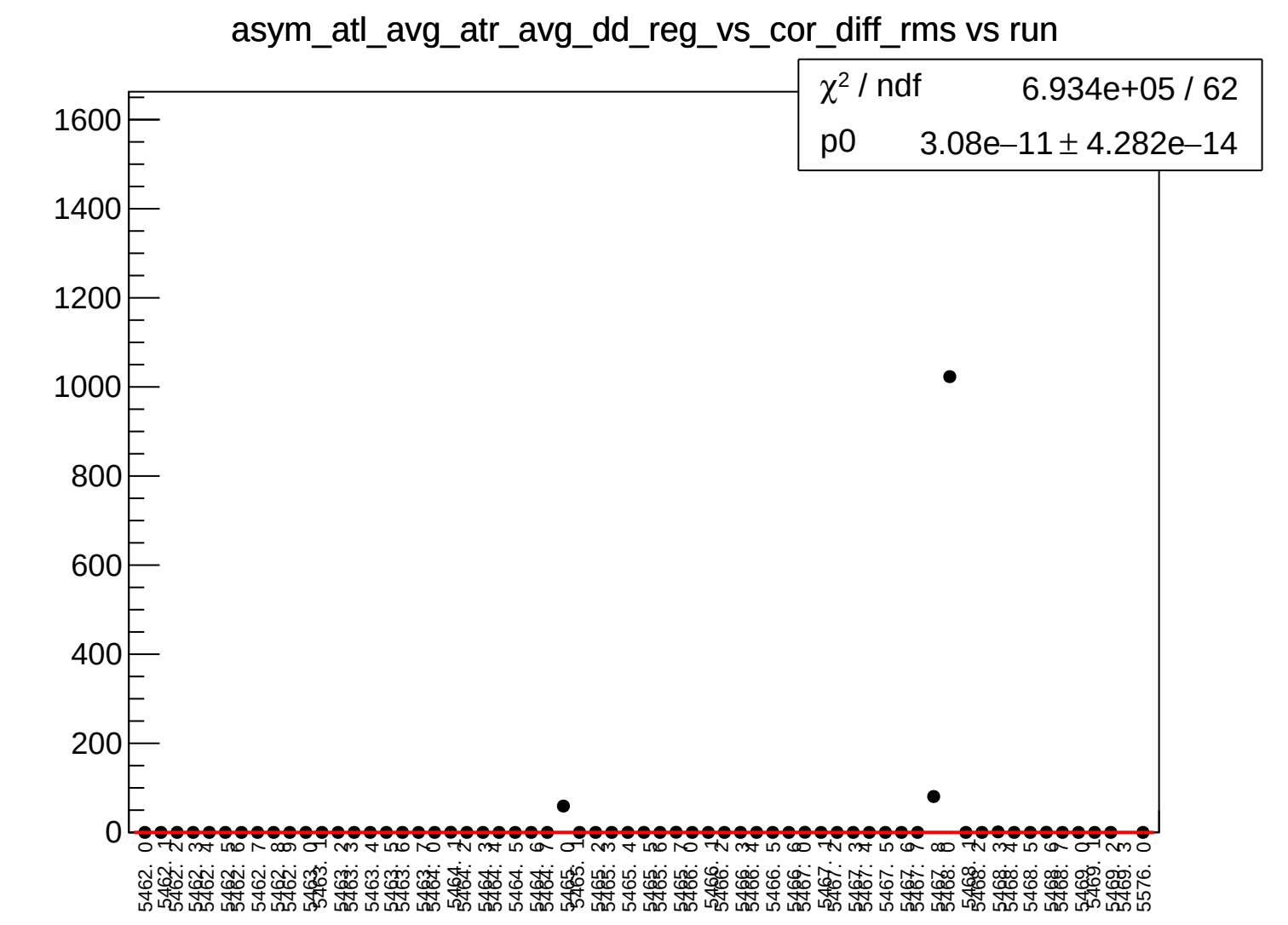

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 58.84 / 60
p0 −1165 ± 2309
pull
Entries 61
Mean −11.21
Std Dev 0

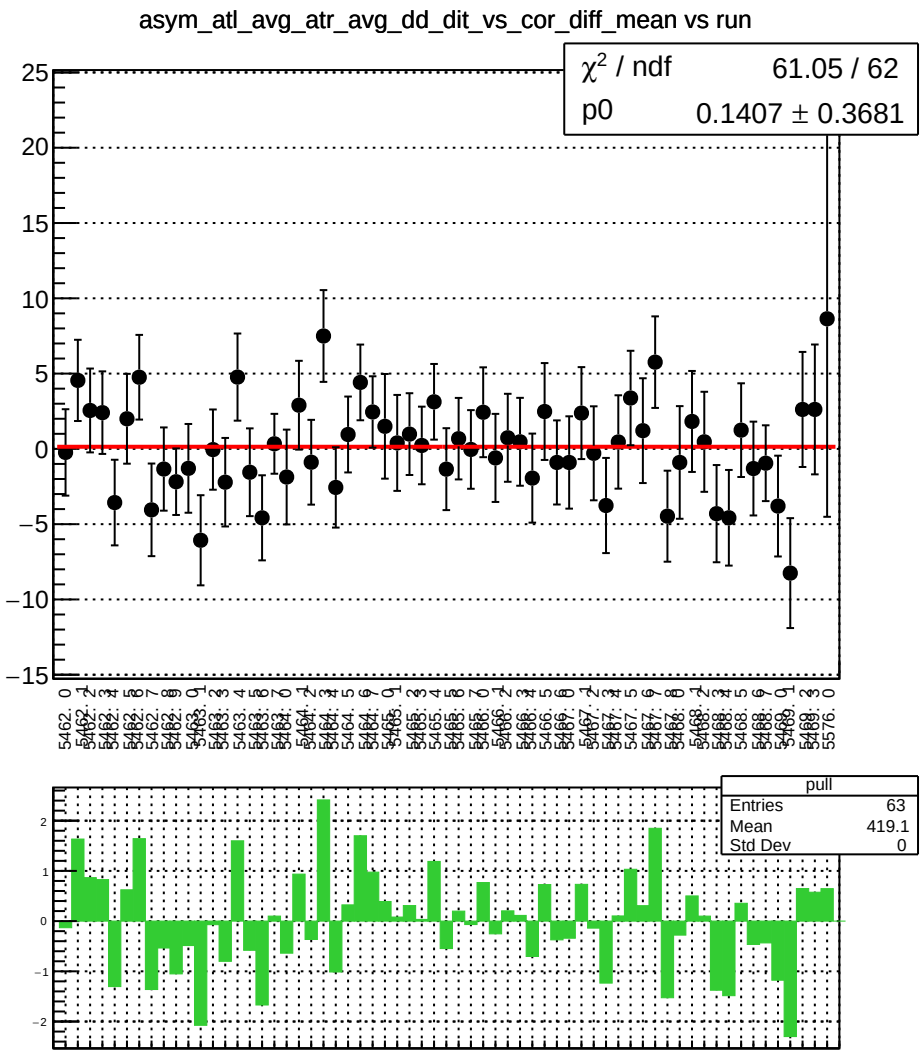

pull1D
Entries 61
Mean −0.0204
Std Dev 0.9819

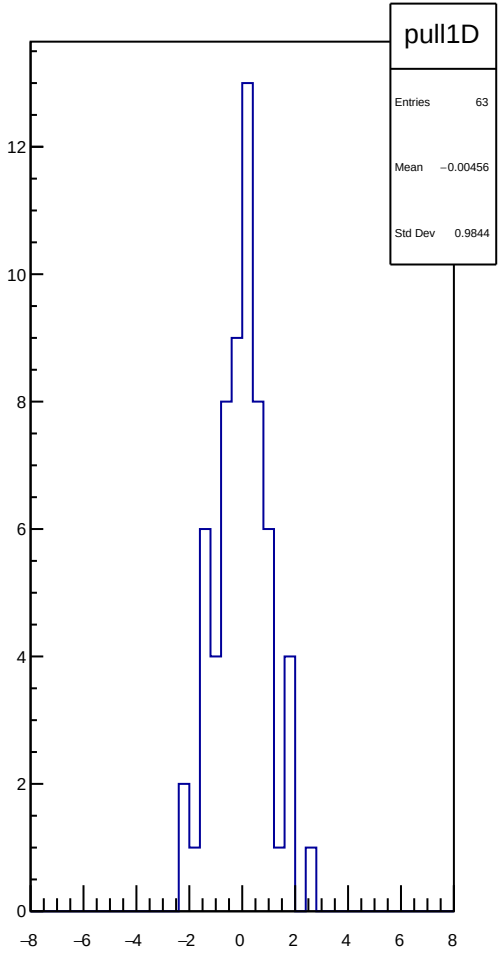

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 4.866e+04 / 62
p0 1760 ± 1.633
50000
40000
30000
20000
10000

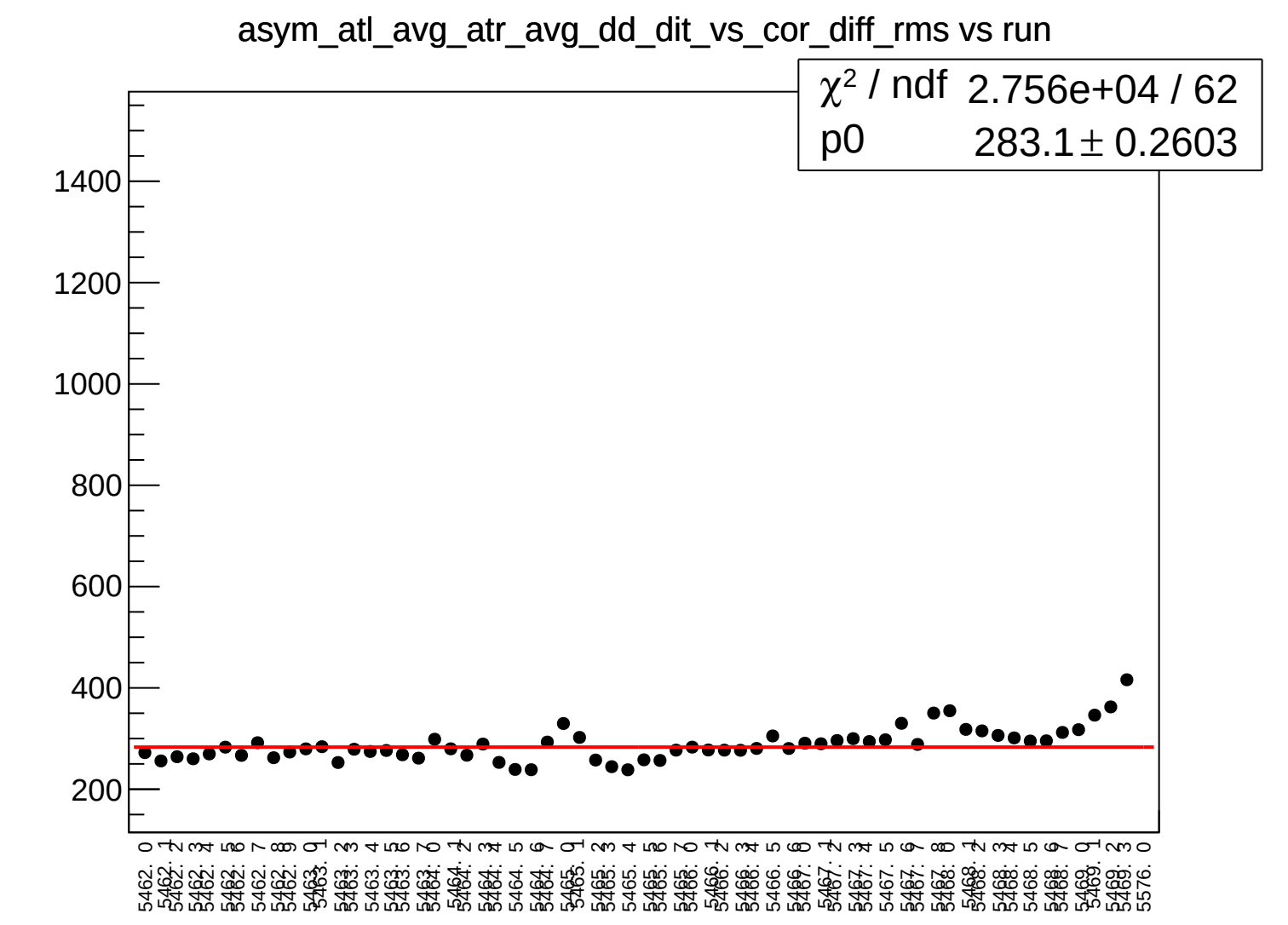

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.37 / 62
p0 −9.547e−15 ± 6.056e−14
pull
Entries 63
Mean 47.88
Std Dev 15.25

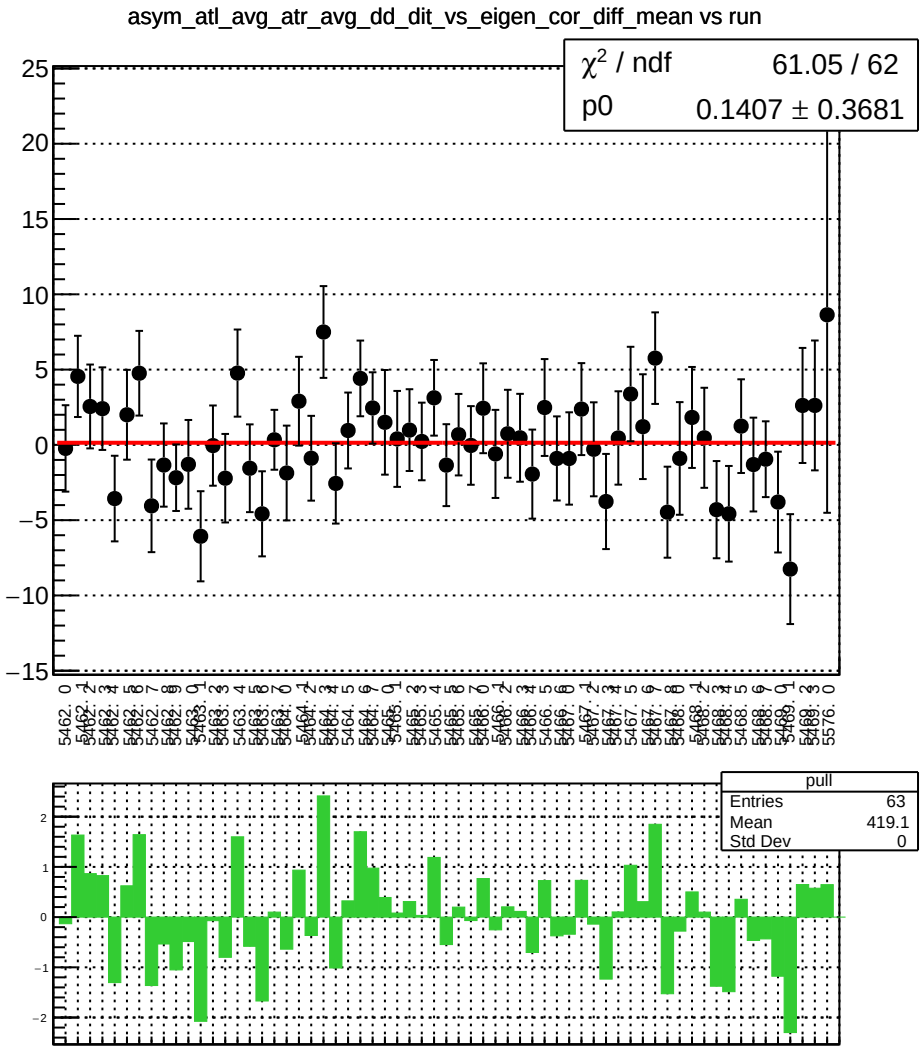

pull1D
Entries 63
Mean 0.05467
Std Dev 0.8085

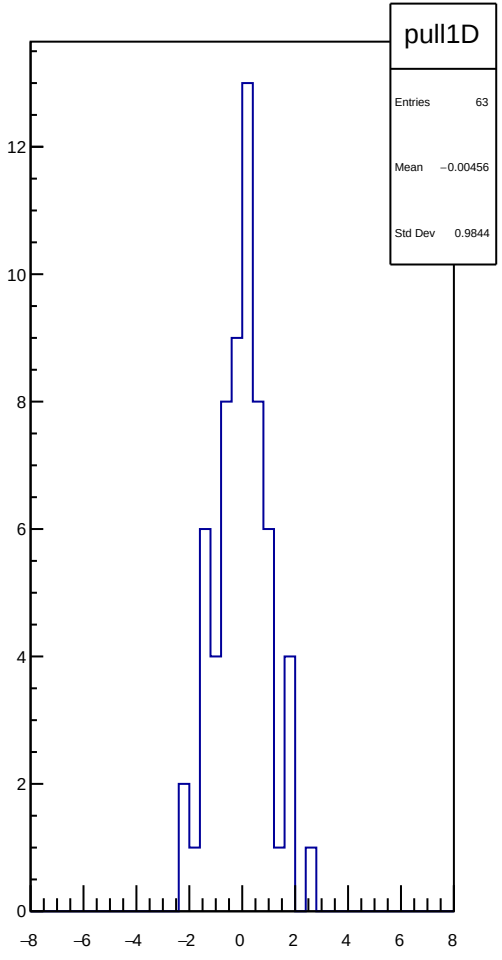

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.934e+05 / 62
p0 3.08e−11 ± 4.282e−14
1600
1400
1200
1000
800
600
400
200
0

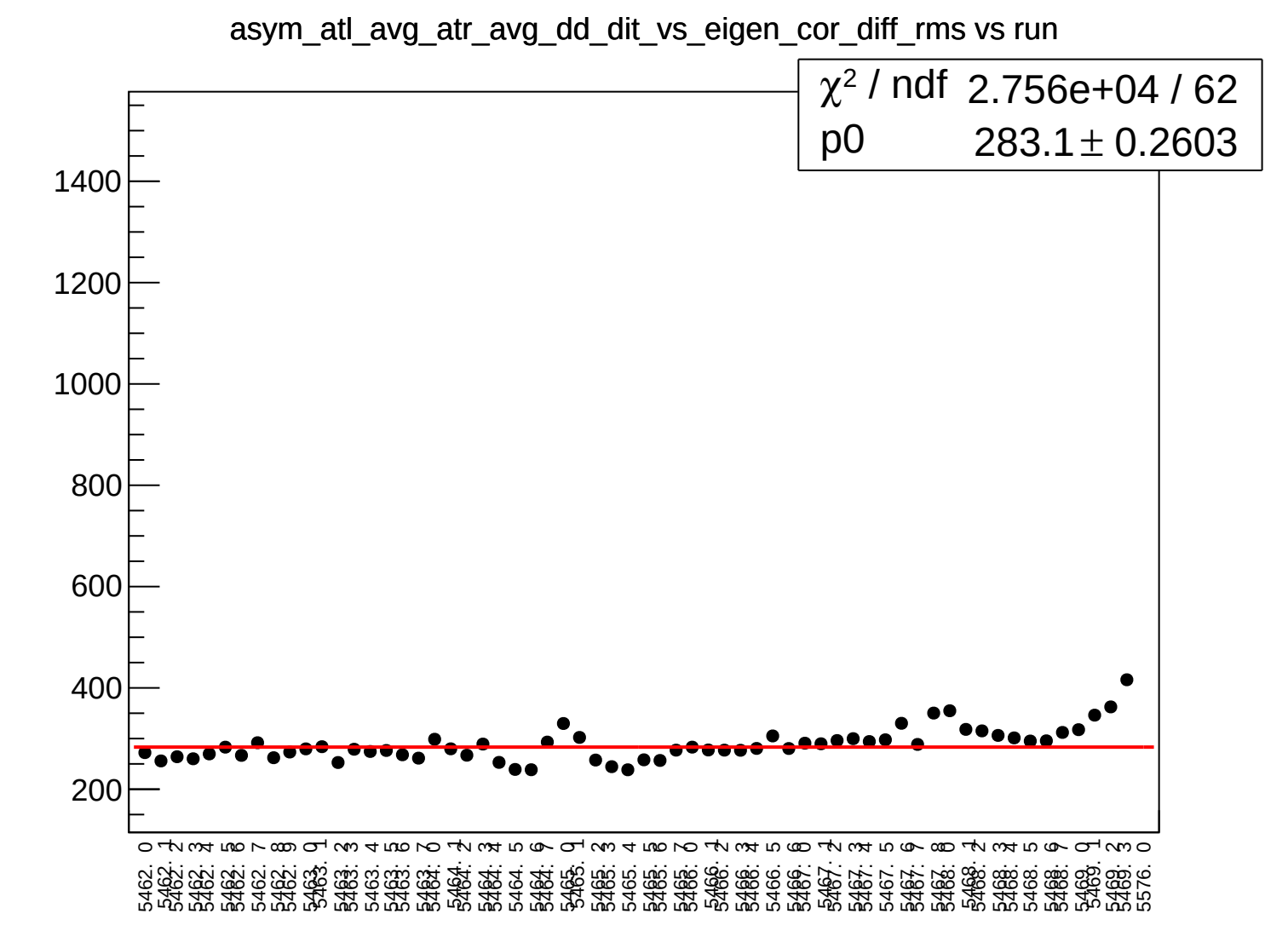

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0

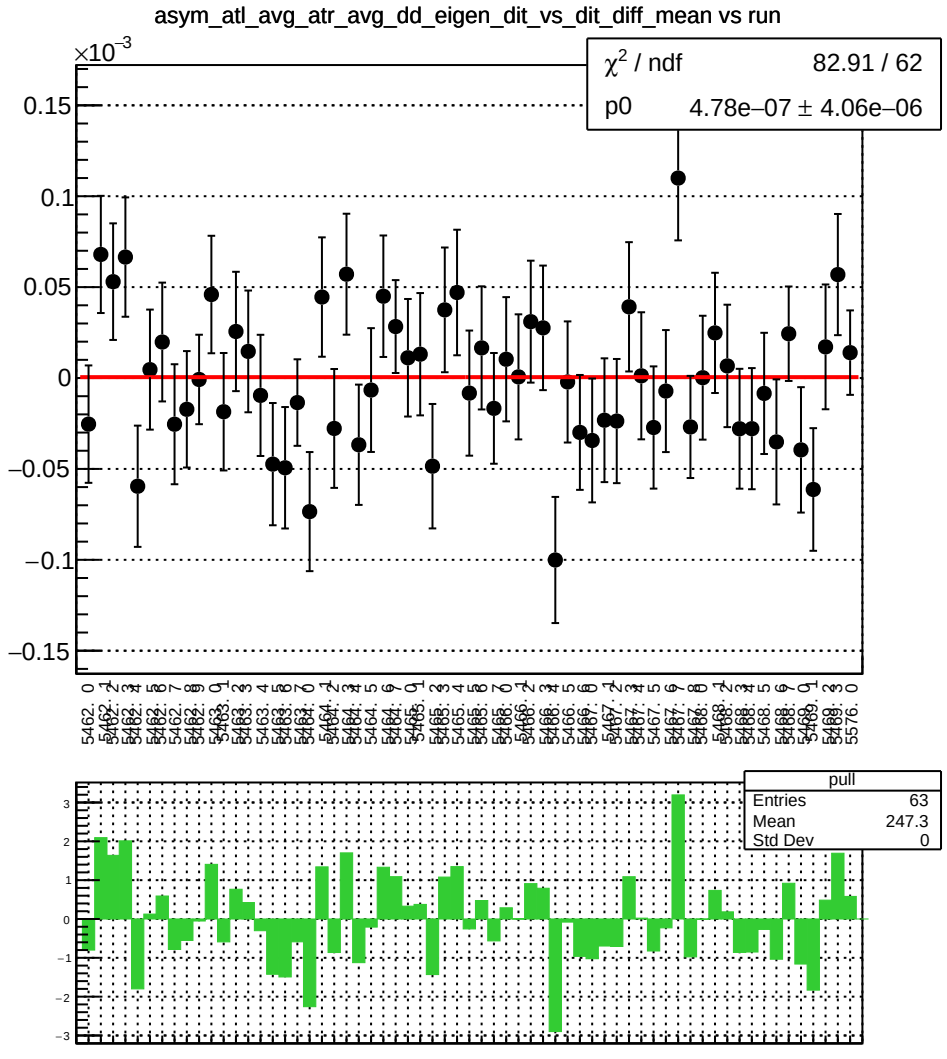

pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844

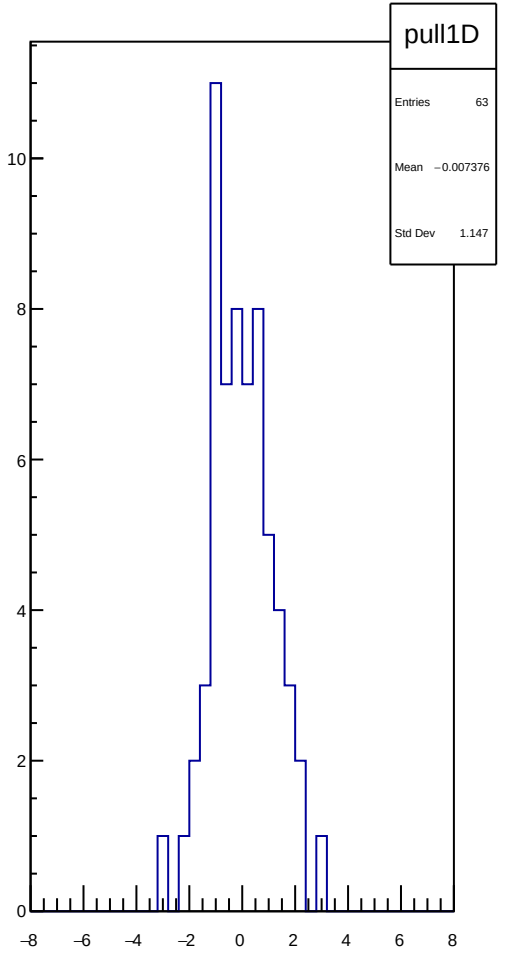

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200

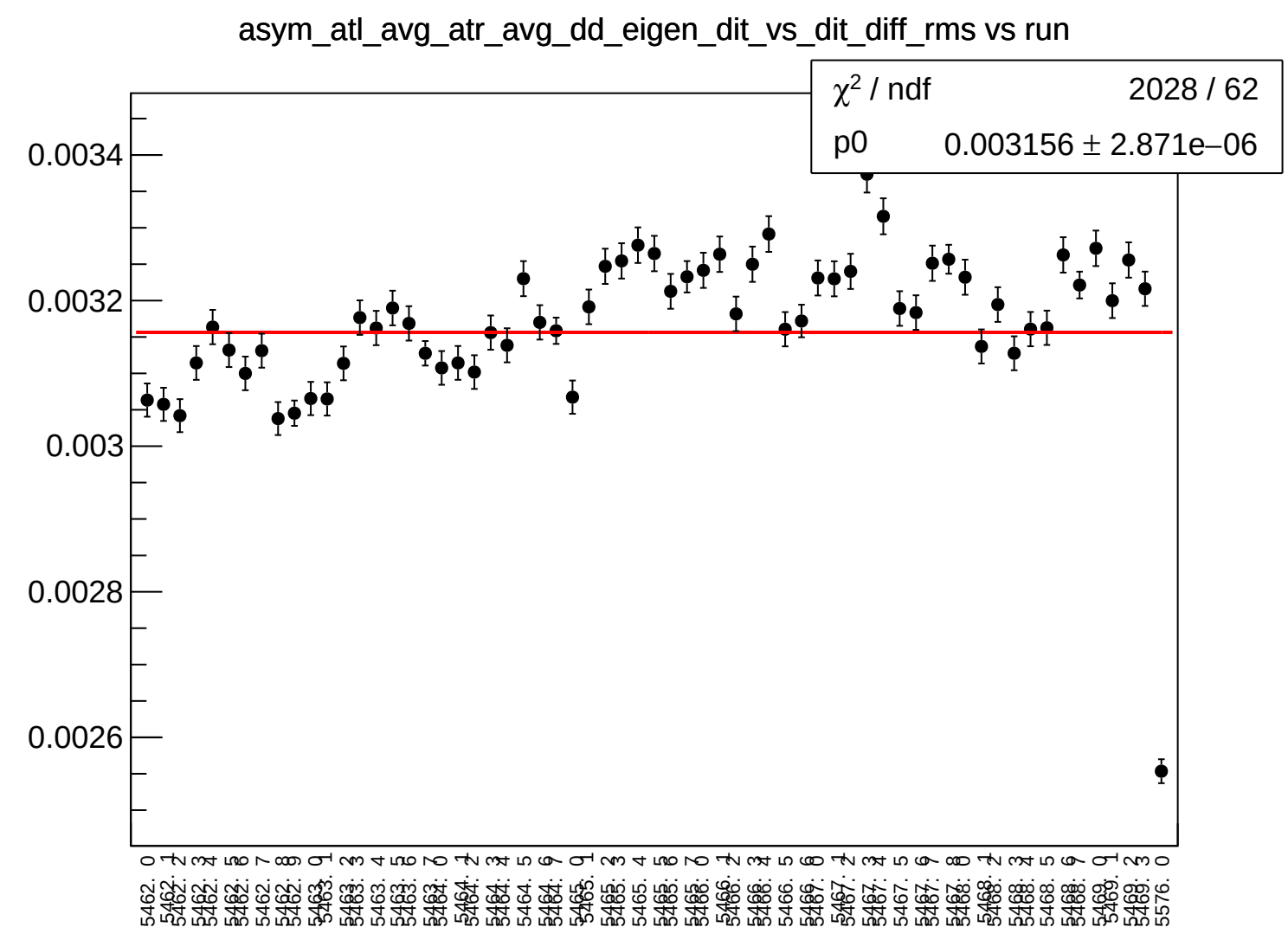

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0

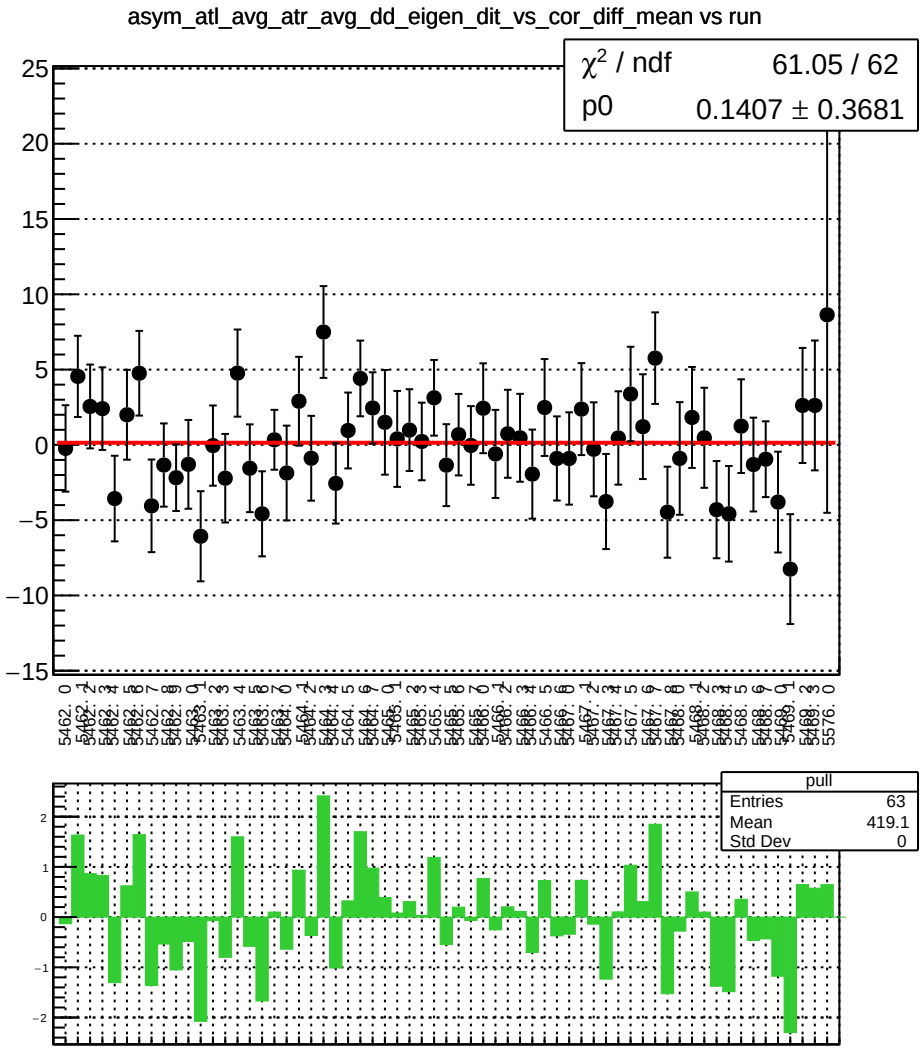

pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844

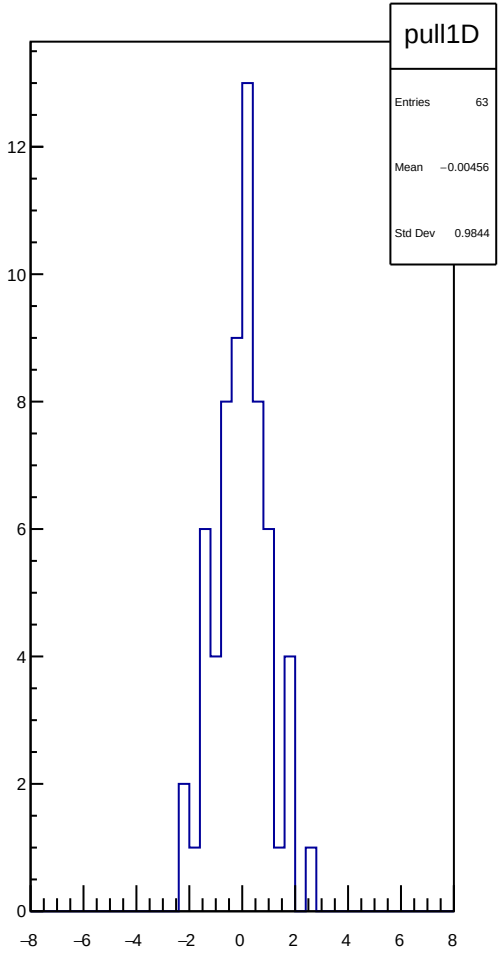

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200

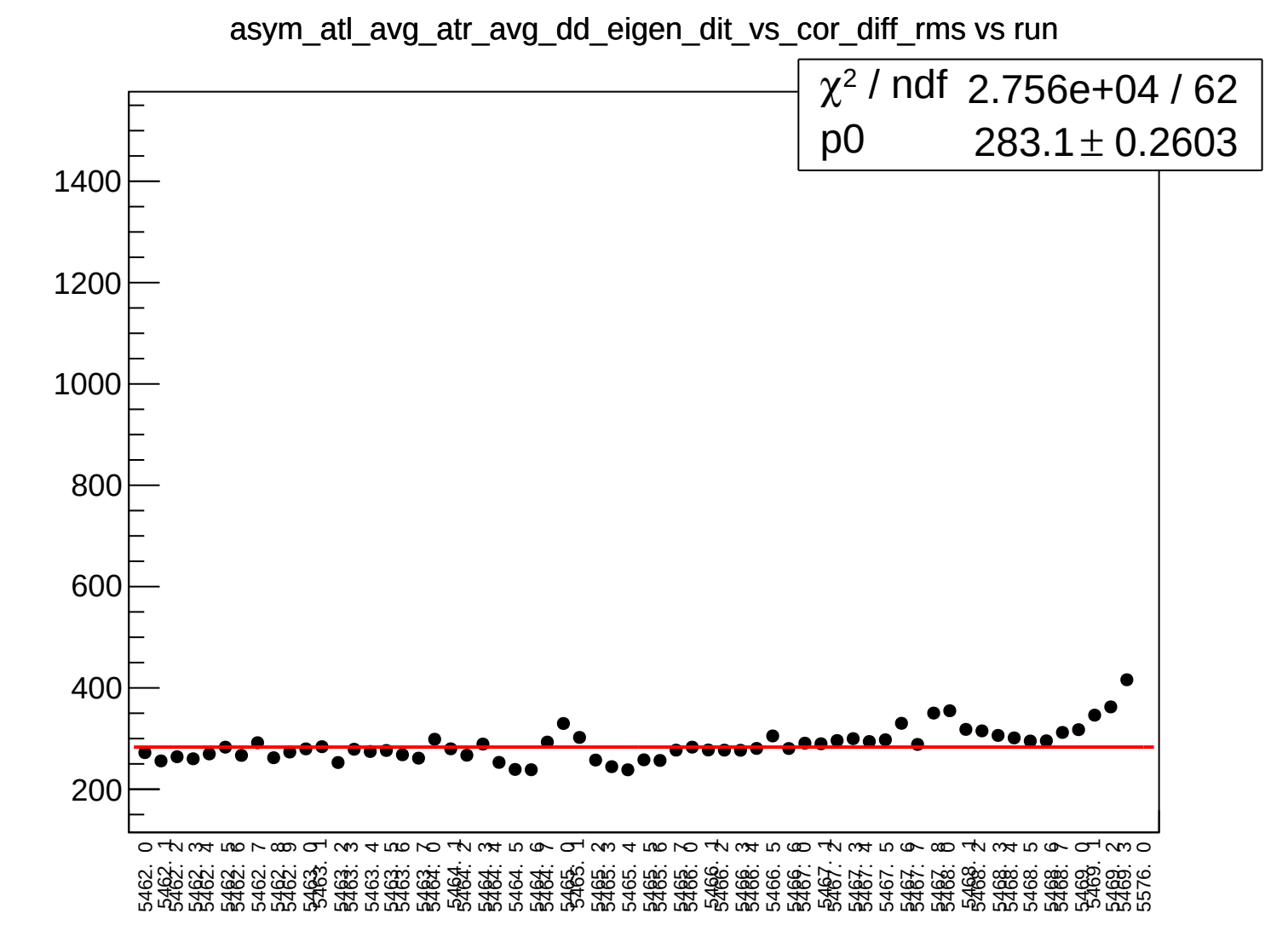

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.91 / 62
p0 4.78e−07 ± 4.06e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 63
Mean 247.3
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 63
Mean −0.007376
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2028 / 62
p0 0.003156 ± 2.871e−06
0.0034
0.0032
0.003
0.0028
0.0026


asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0


pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844


asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
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5467. 8
5468. 1
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5468. 4
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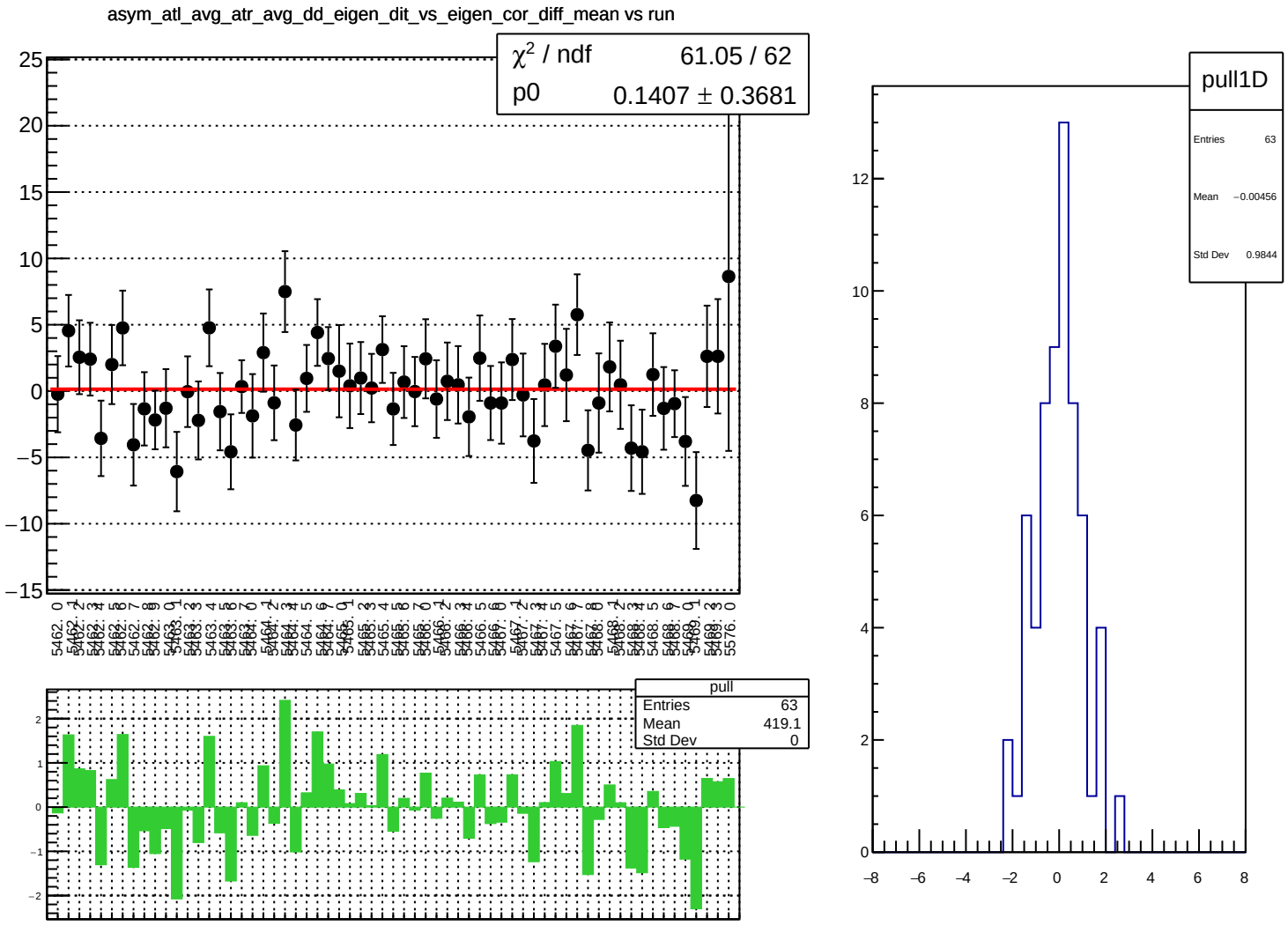
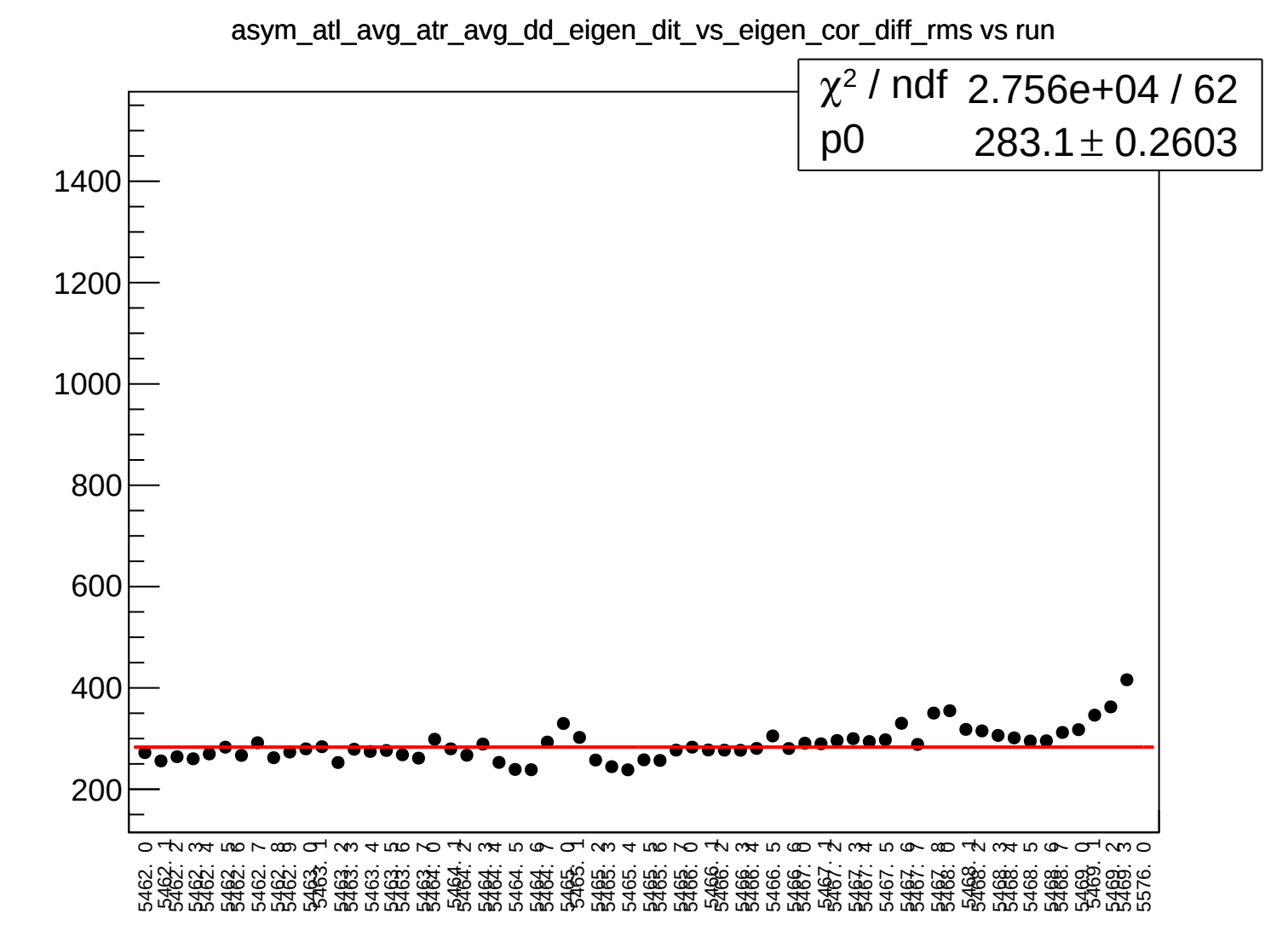
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0
pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844


asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
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400
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5462. 0
5462. 1
5462. 2
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5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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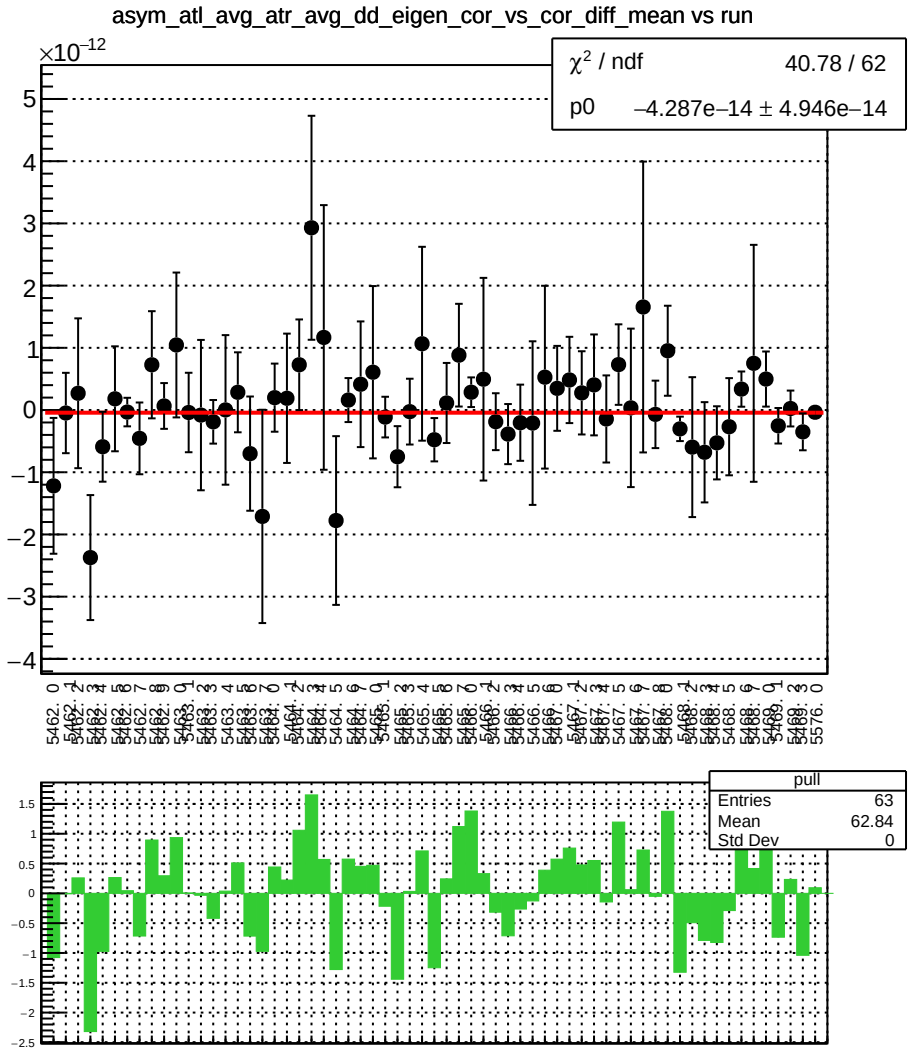
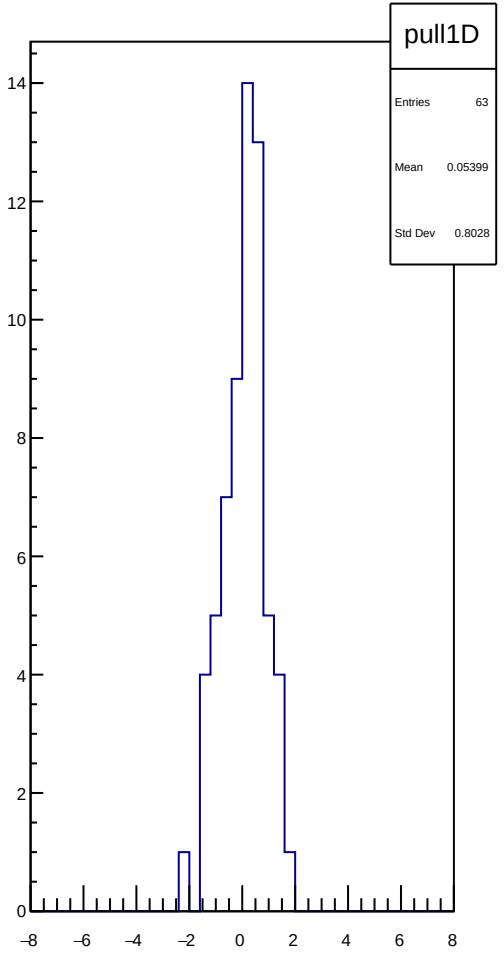
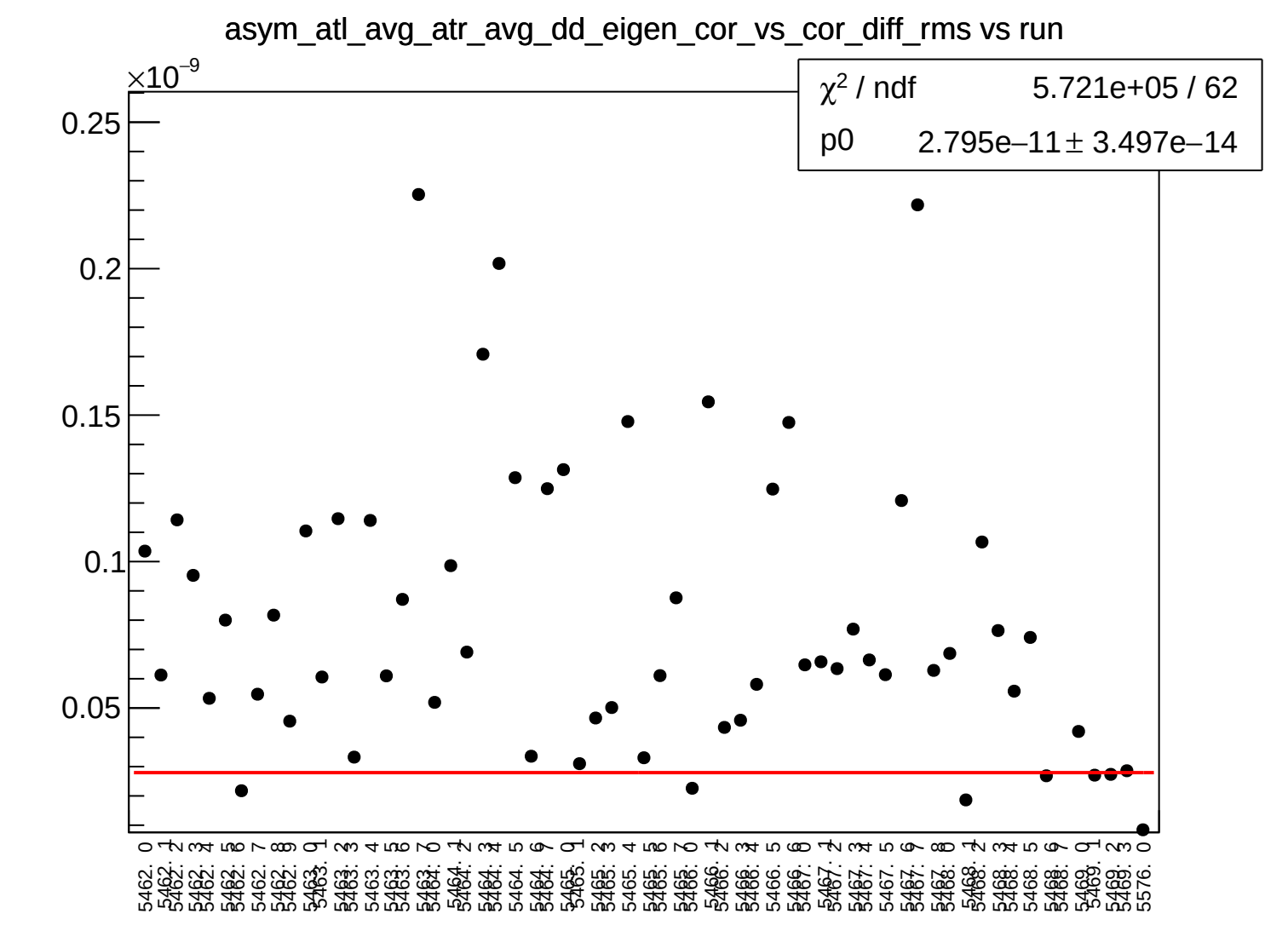
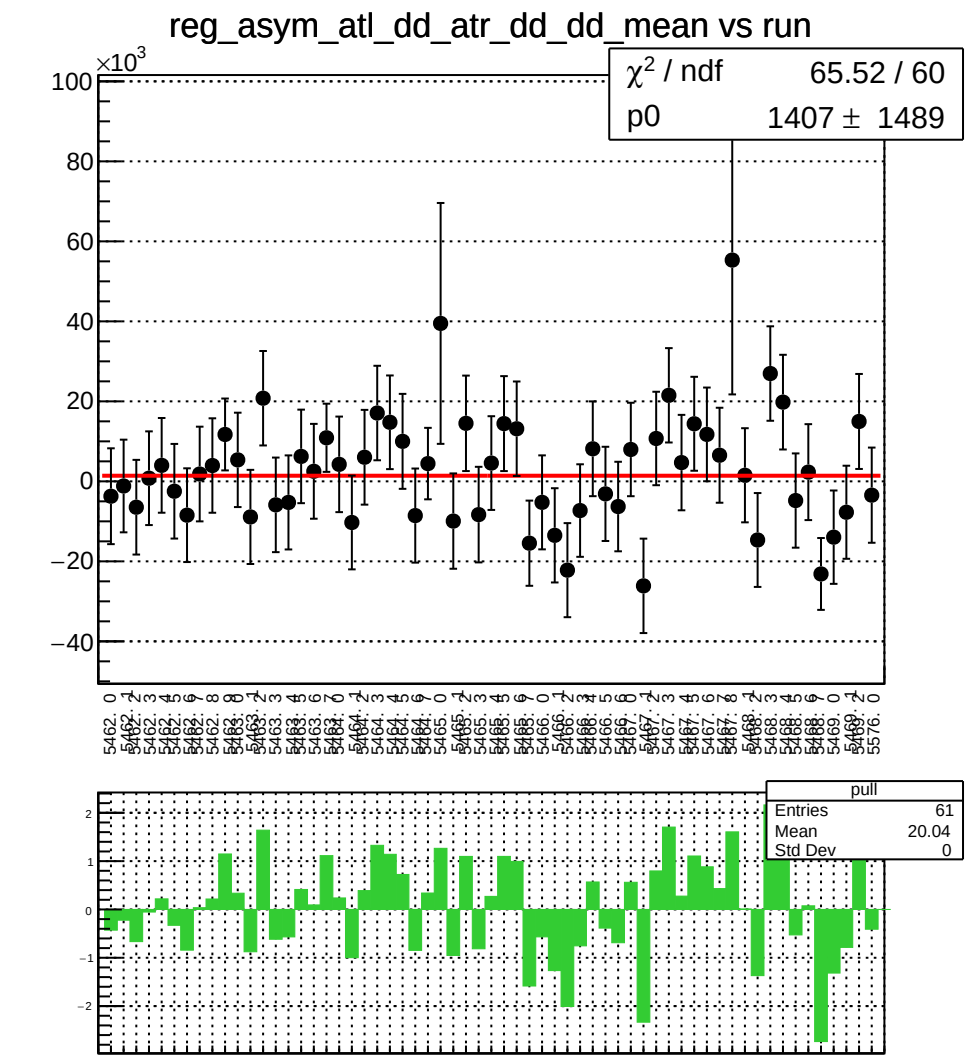
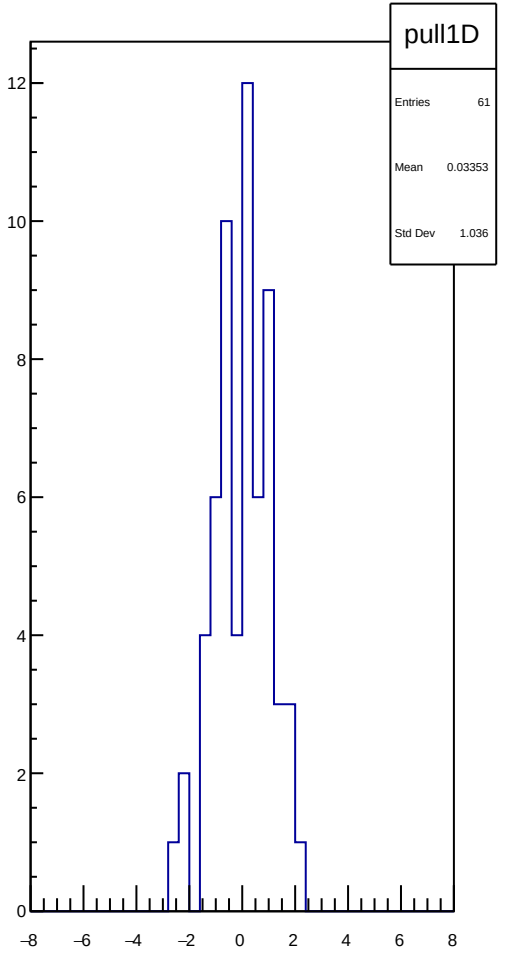
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

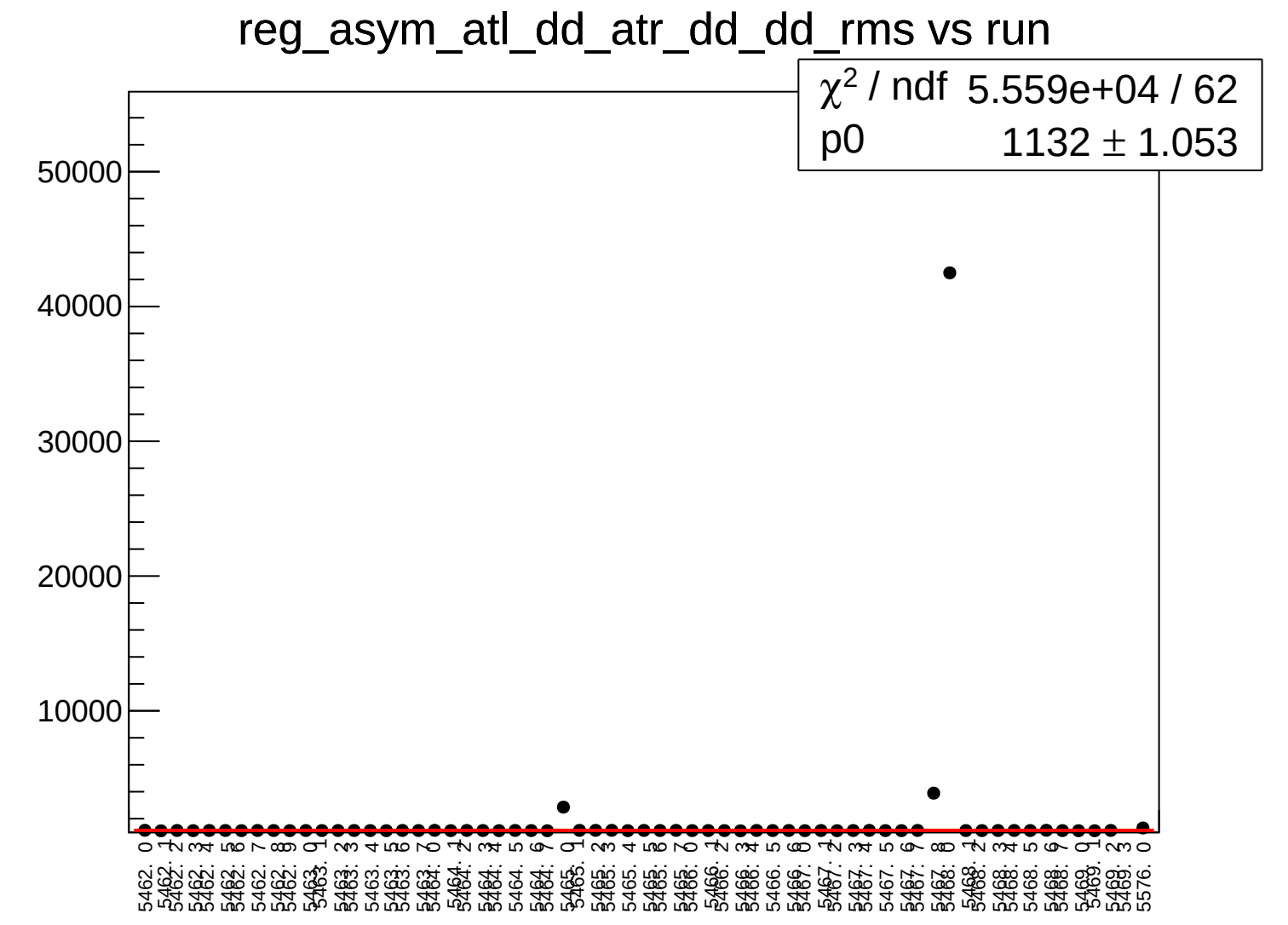

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.78 / 62
p0 −4.287e−14 ± 4.946e−14
pull
Entries 63
Mean 62.84
Std Dev 0


pull1D
Entries 63
Mean 0.05399
Std Dev 0.8028


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.721e+05 / 62
p0 2.795e−11 ± 3.497e−14
0.25
0.2
0.15
0.1
0.05


reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 65.52 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.04
Std Dev 0


pull1D
Entries 61
Mean 0.03353
Std Dev 1.036


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5.559e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
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5464. 2
5464. 3
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5464. 7
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5465. 2
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5466. 2
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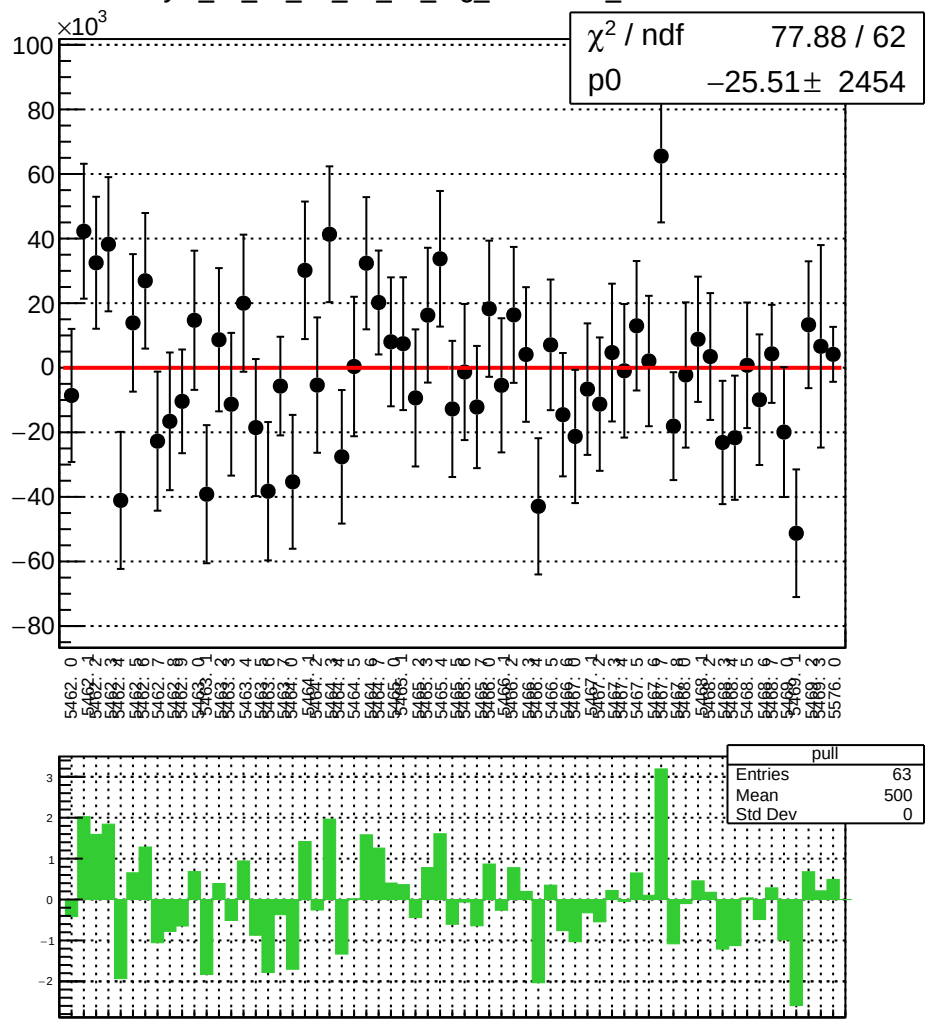
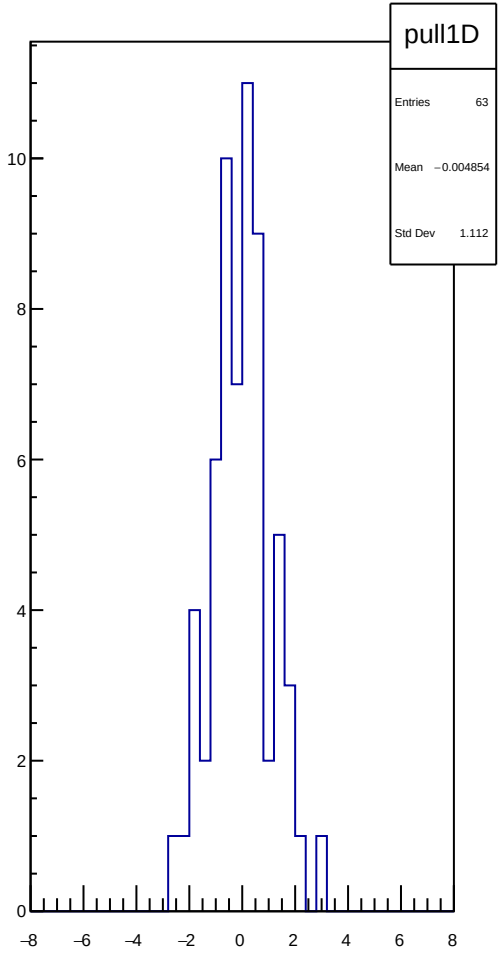
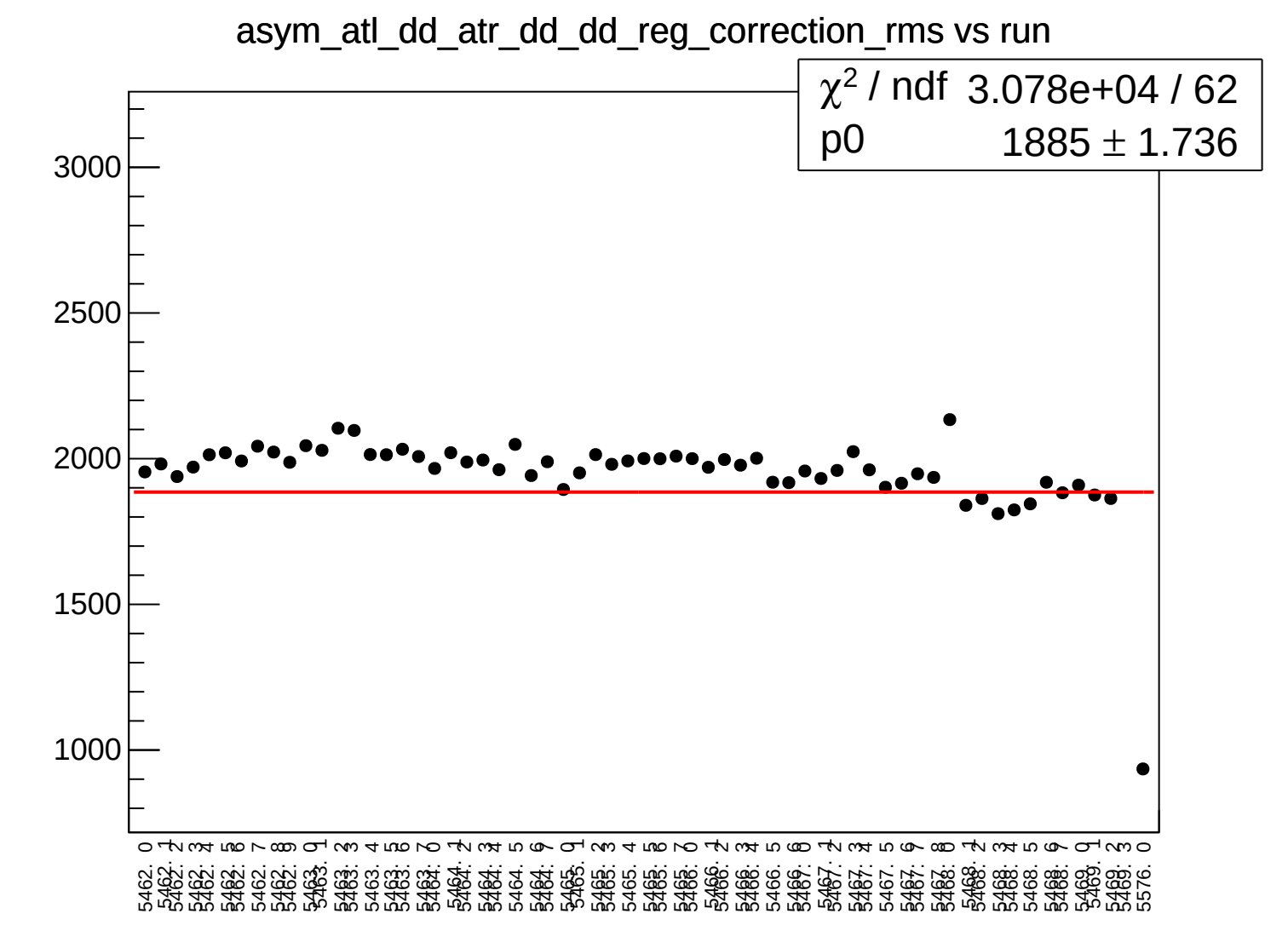
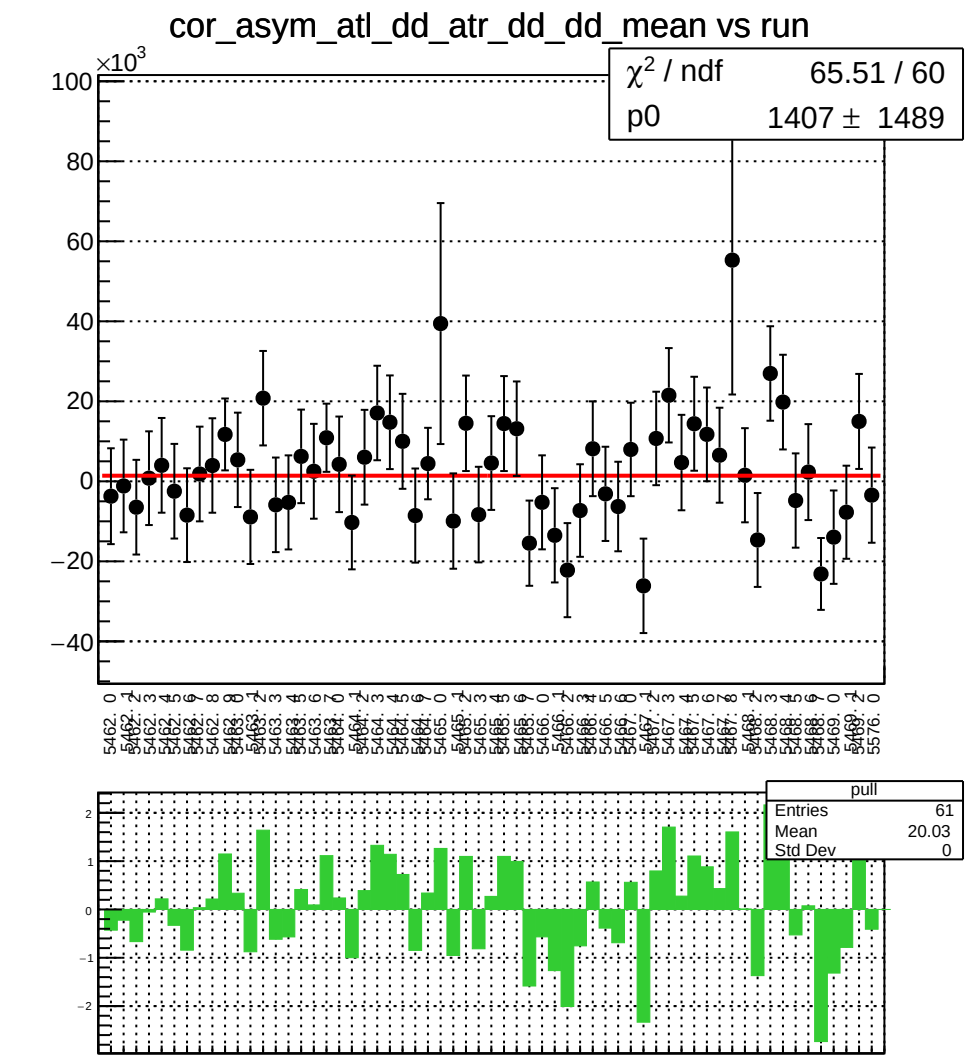
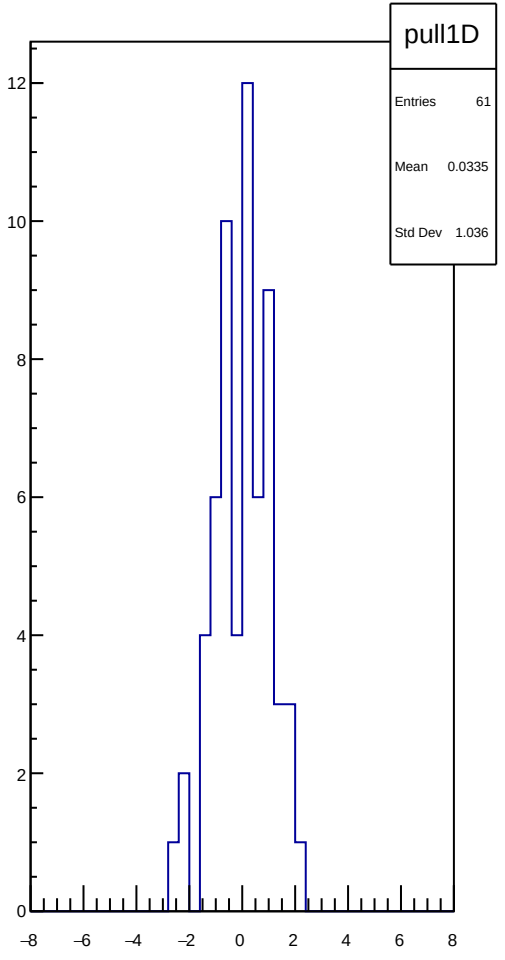
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

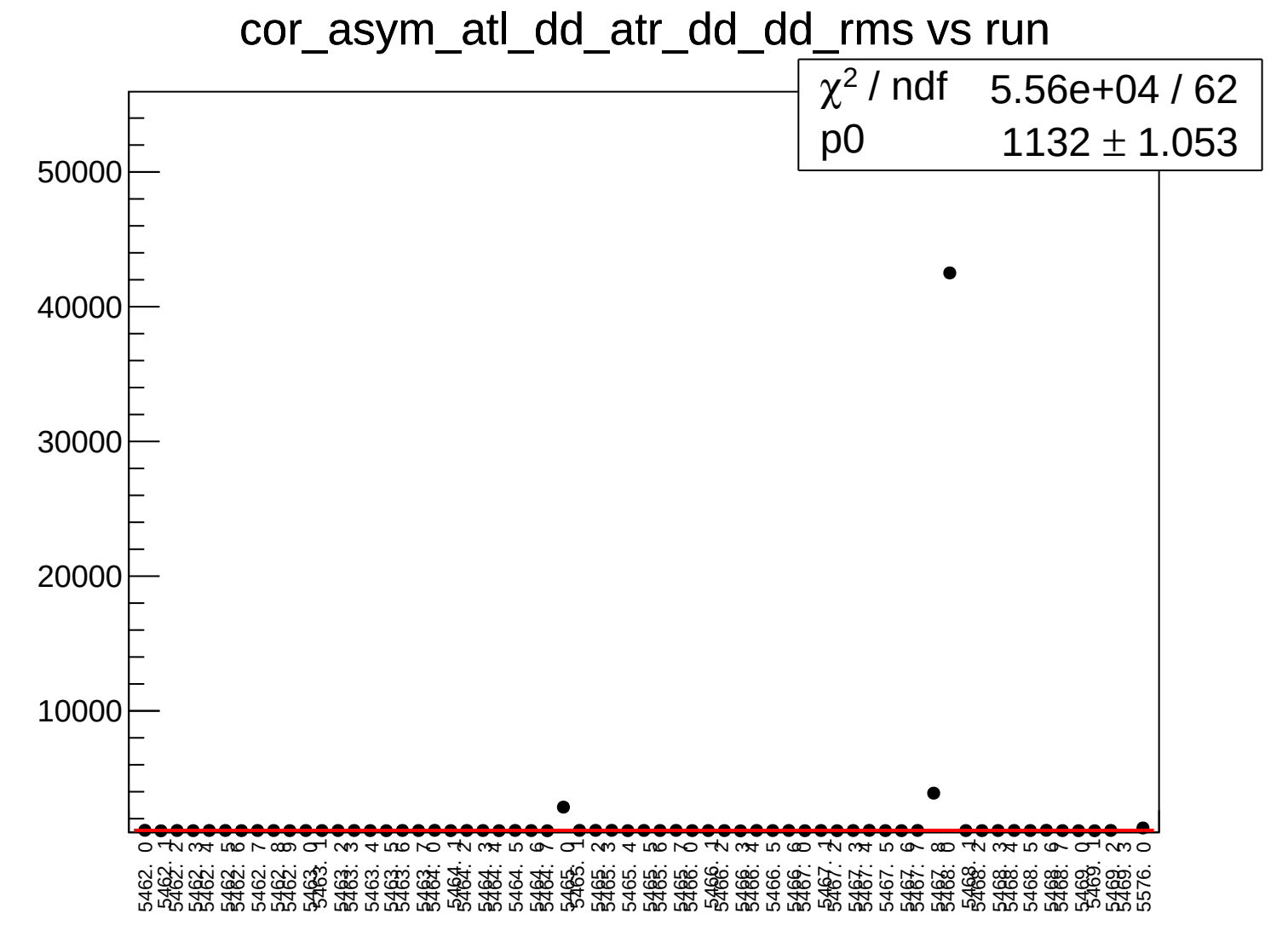

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 77.88 / 62
p0 −25.51± 2454
pull
Entries 63
Mean 500
Std Dev 0

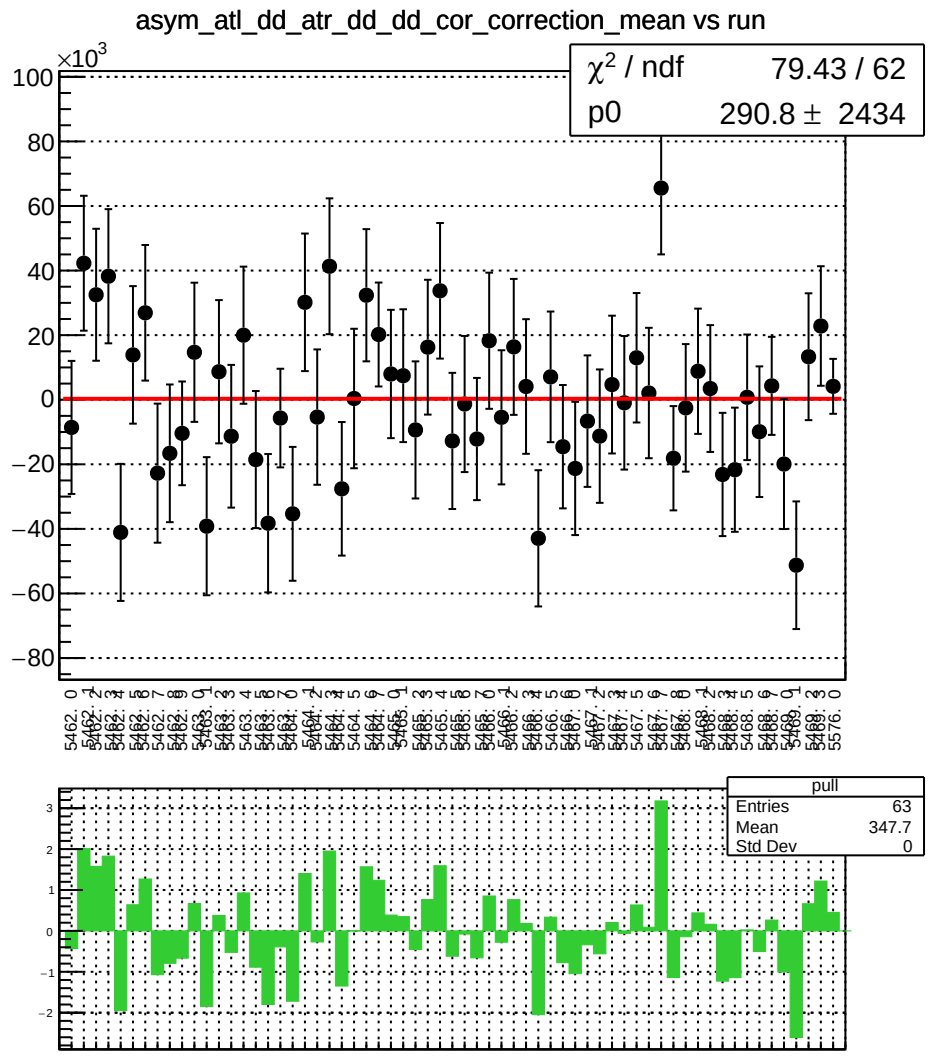

pull1D
Entries 63
Mean −0.004854
Std Dev 1.112

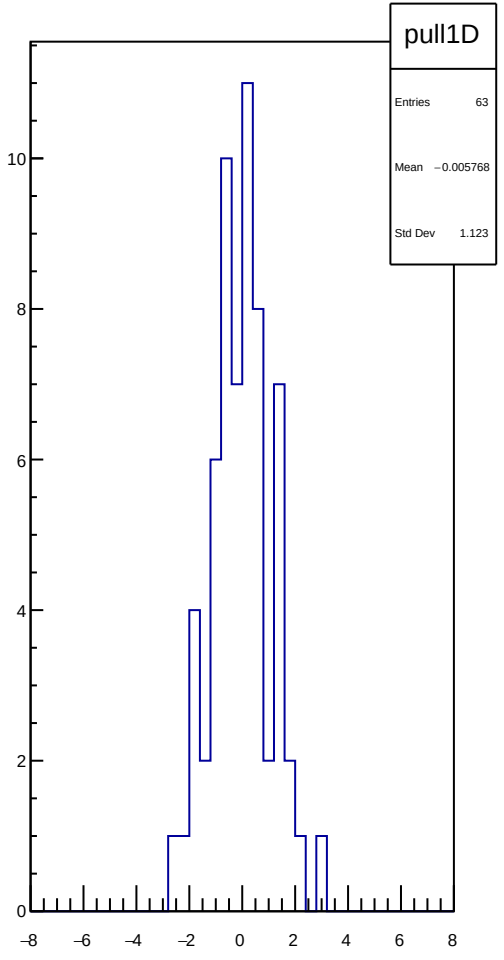

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 3.078e+04 / 62
p0 1885 ± 1.736
3000
2500
2000
1500
1000

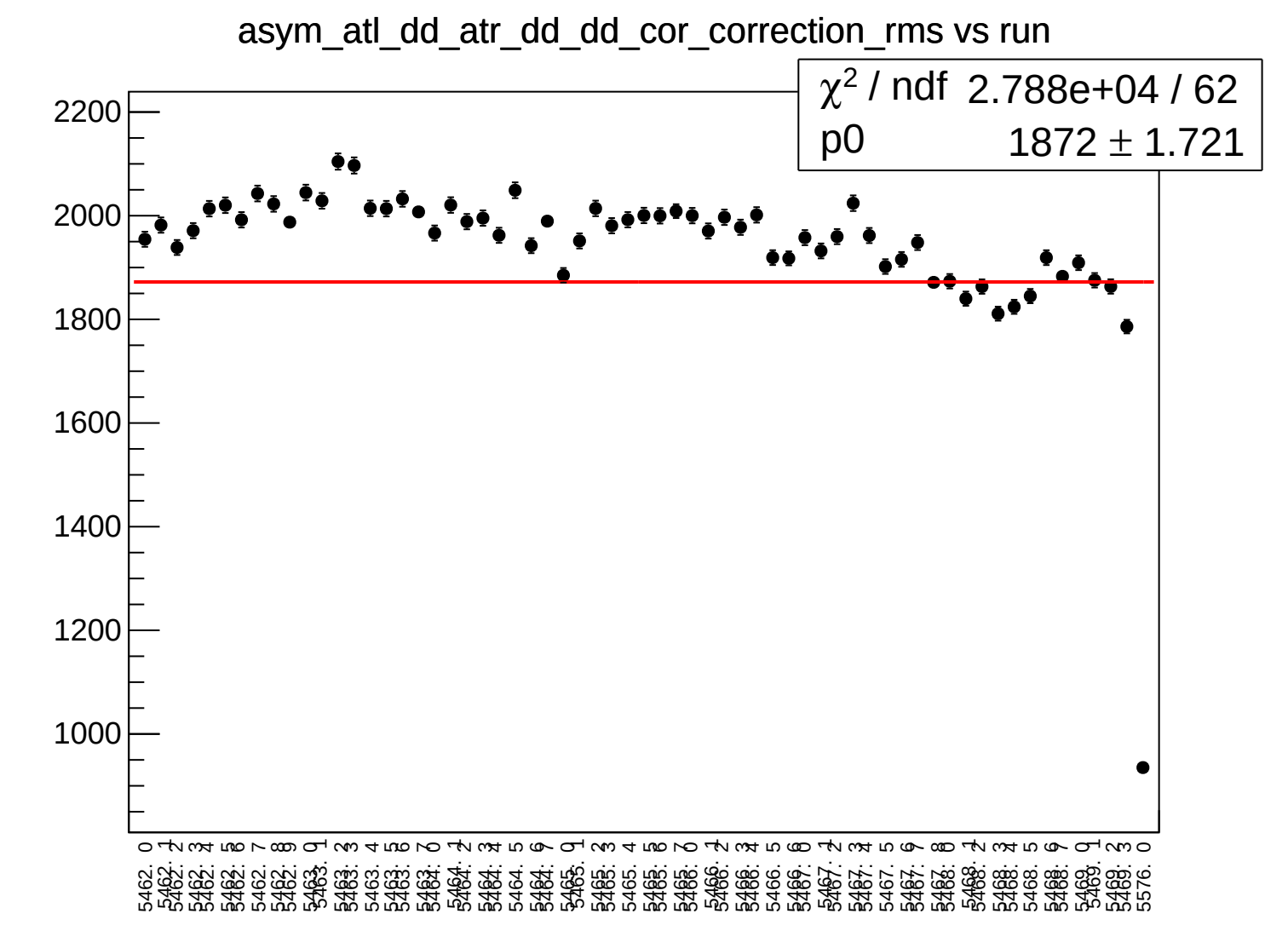

cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 65.51 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.03
Std Dev 0


pull1D
Entries 61
Mean 0.0335
Std Dev 1.036


cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5.56e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000


asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 79.43 / 62
p0 290.8 ± 2434
pull
Entries 63
Mean 347.7
Std Dev 0


pull1D
Entries 63
Mean −0.005768
Std Dev 1.123


asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2.788e+04 / 62
p0 1872 ± 1.721
2200
2000
1800
1600
1400
1200
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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5465. 2
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5467. 6
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5468. 1
5468. 2
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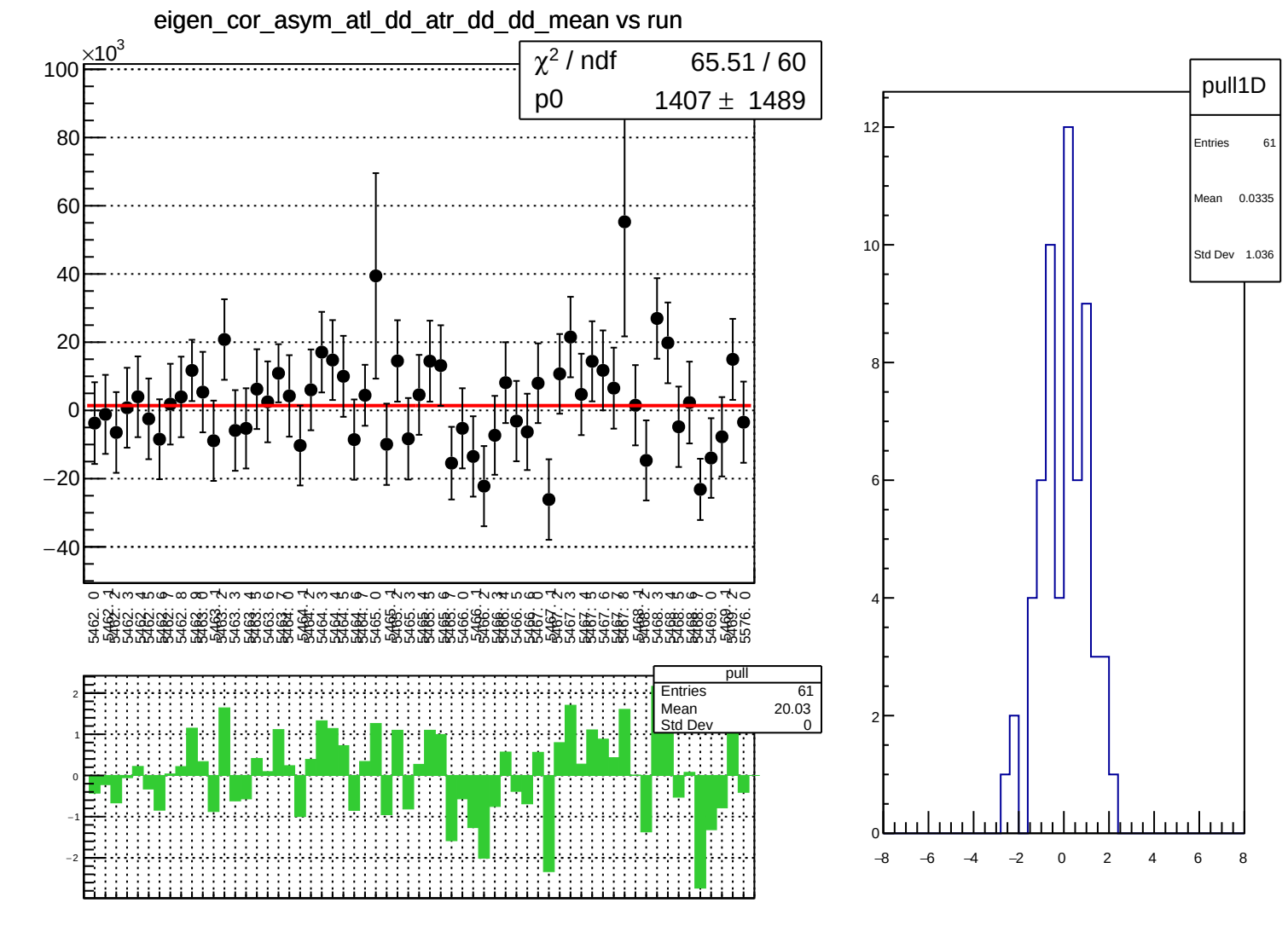
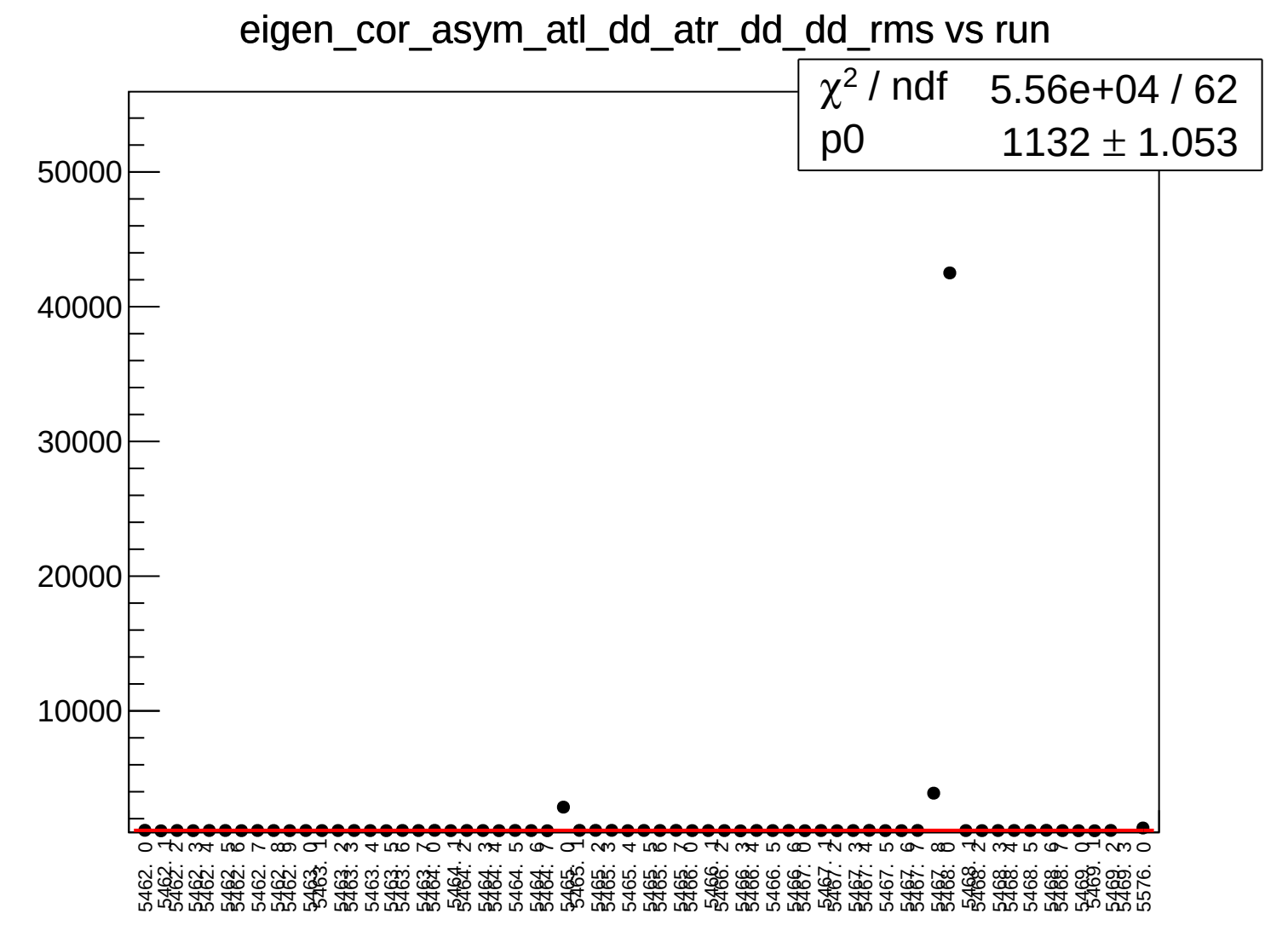
5469. 1
5469. 2
5469. 3
5576. 0


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 65.51 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.03
Std Dev 0
pull1D
Entries 61
Mean 0.0335
Std Dev 1.036


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5.56e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5463. 6
5463. 7
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5468. 6
5468. 7
5468. 8
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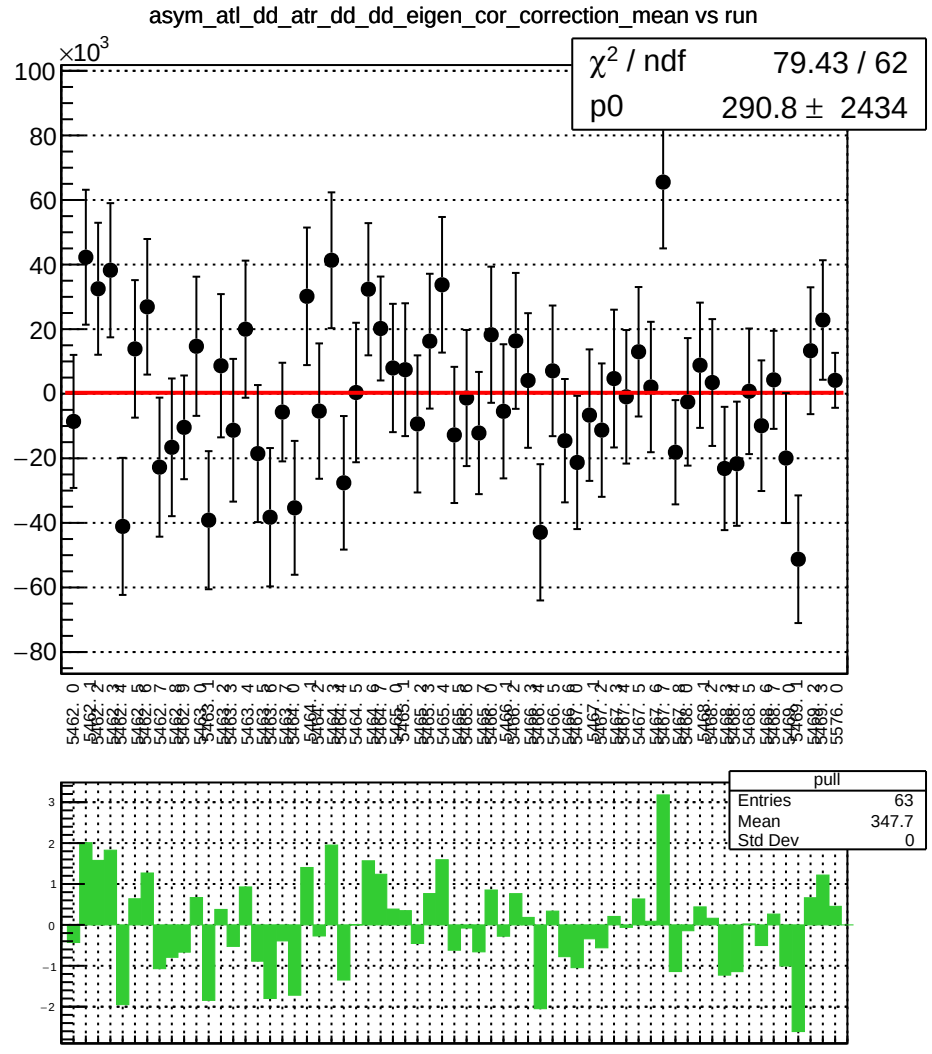
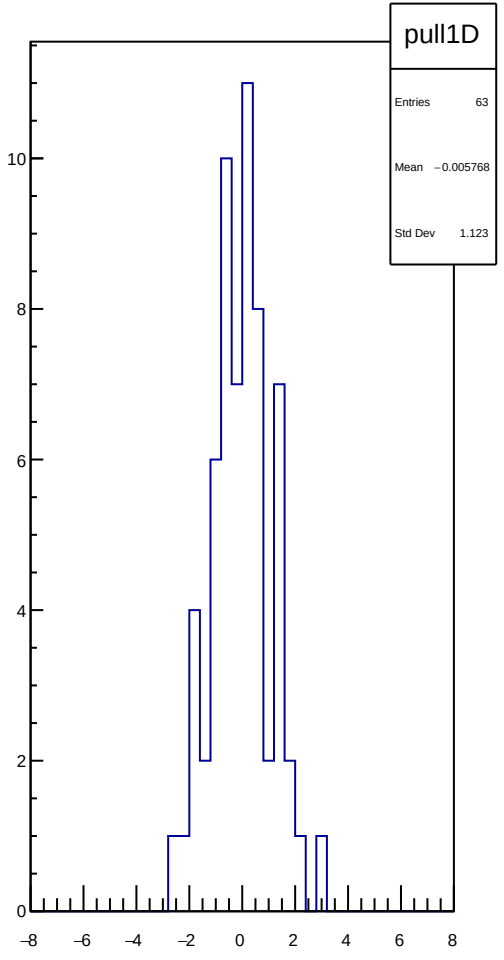
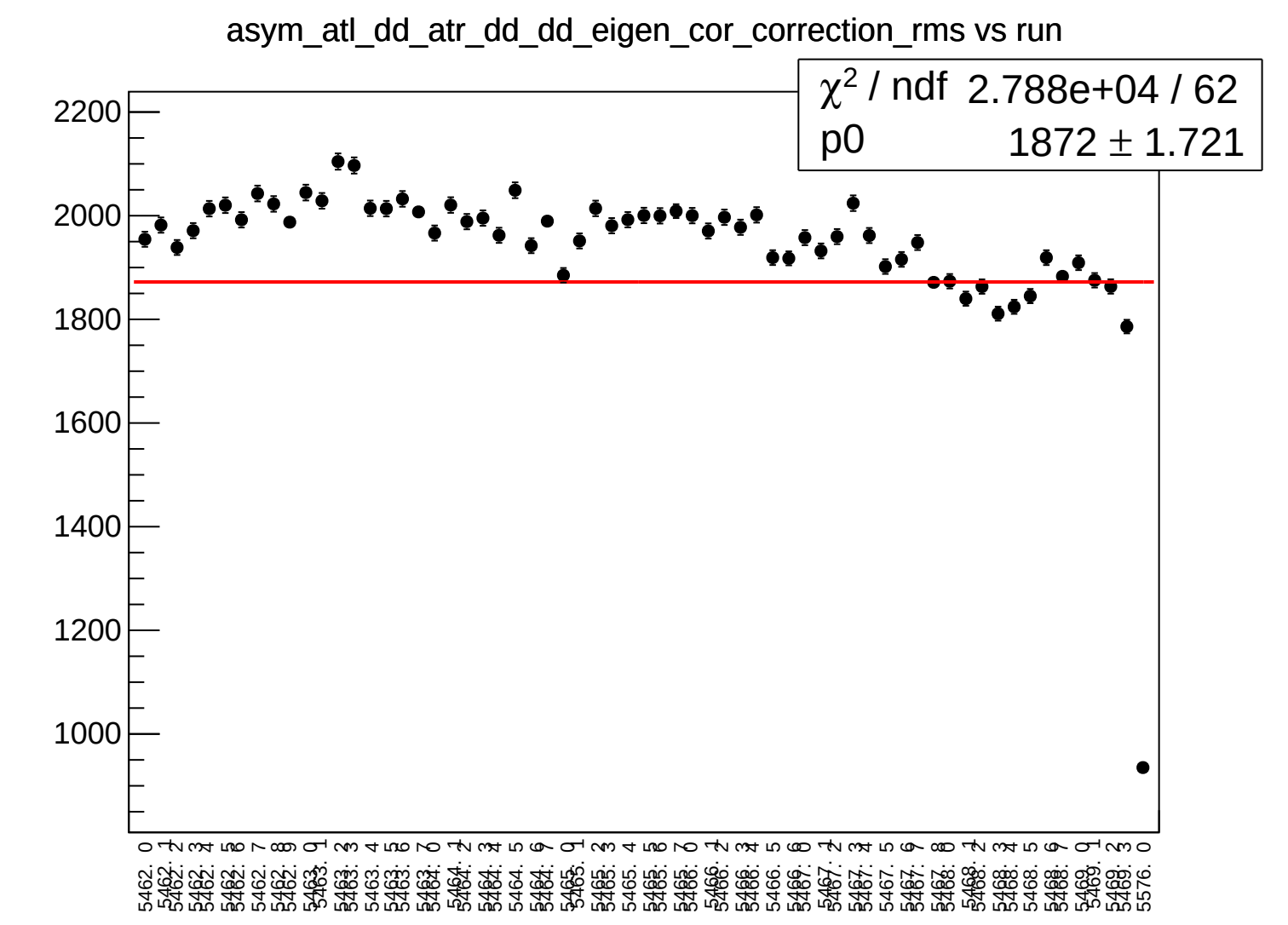
5469. 1
5469. 2
5469. 3
5576. 0


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.43 / 62
p0 290.8 ± 2434
pull
Entries 63
Mean 347.7
Std Dev 0


pull1D
Entries 63
Mean −0.005768
Std Dev 1.123


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.788e+04 / 62
p0 1872 ± 1.721
2200
2000
1800
1600
1400
1200
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
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5462. 8
5462. 9
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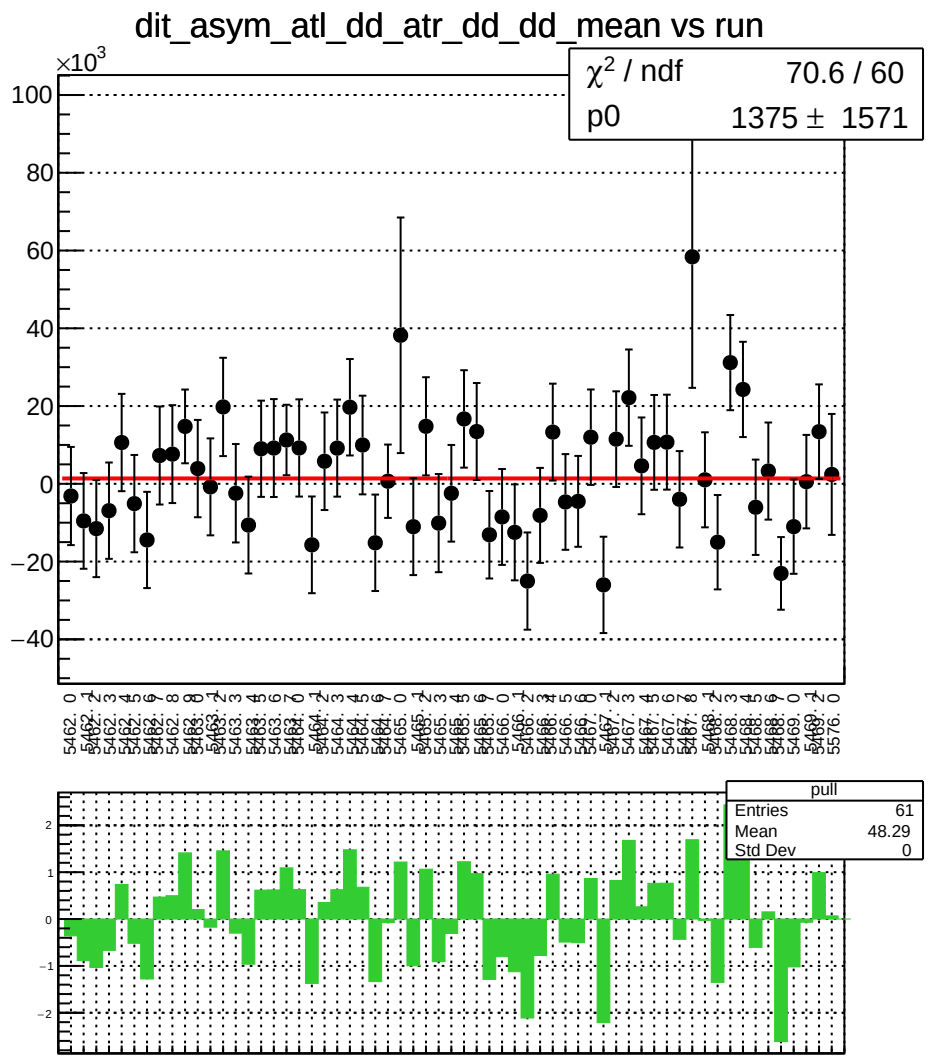
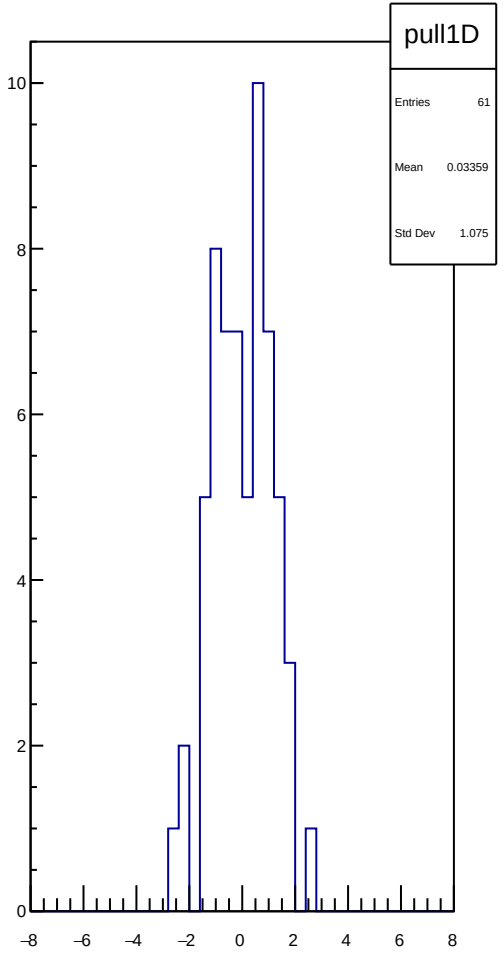
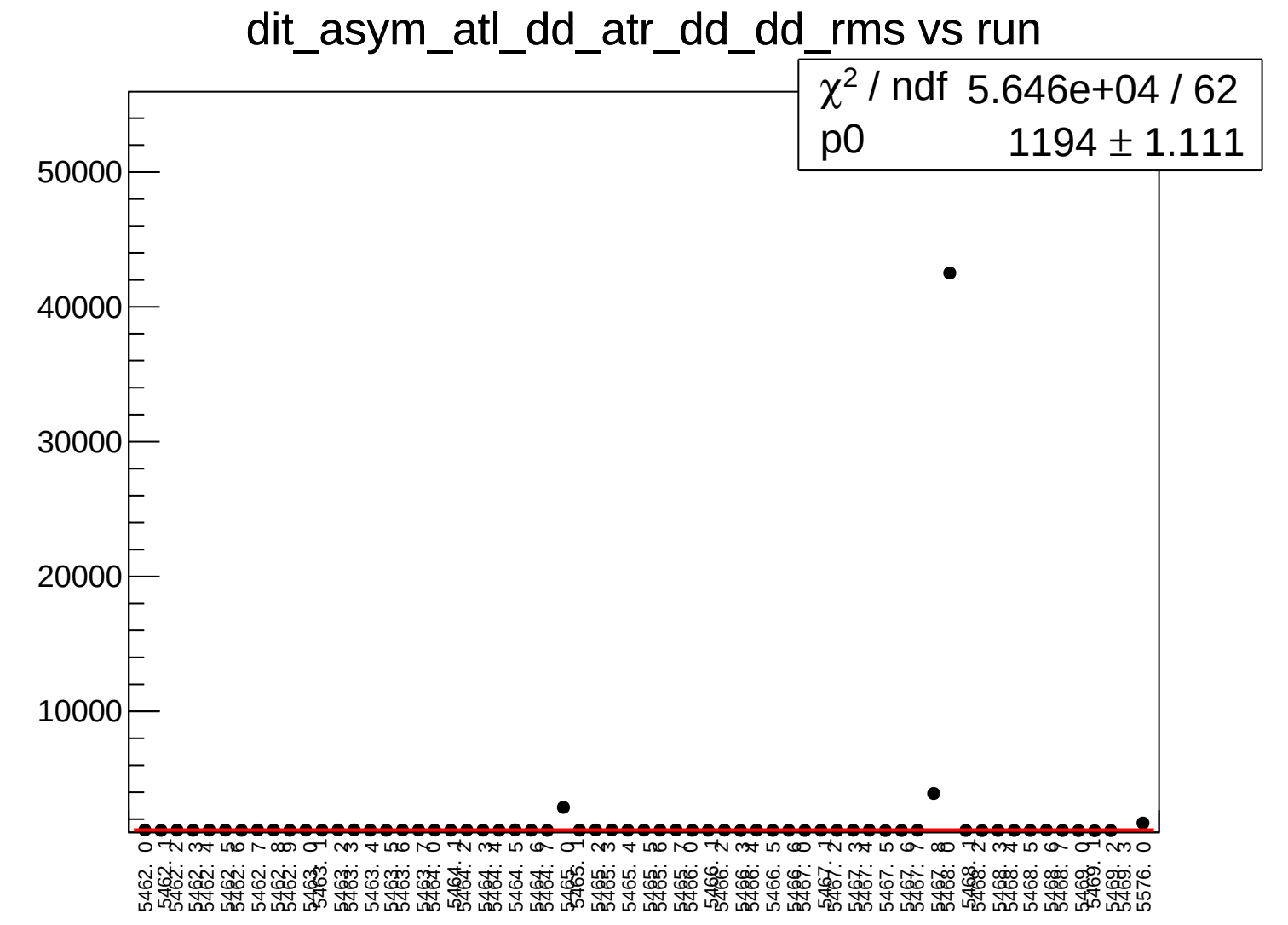
5469. 3
5576. 0


dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ^2 / ndf 70.6 / 60
p0 1375 ± 1571
pull
Entries 61
Mean 48.29
Std Dev 0


pull1D
Entries 61
Mean 0.03359
Std Dev 1.075


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5.646e+04 / 62
p0 1194 ± 1.111
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
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5463. 1
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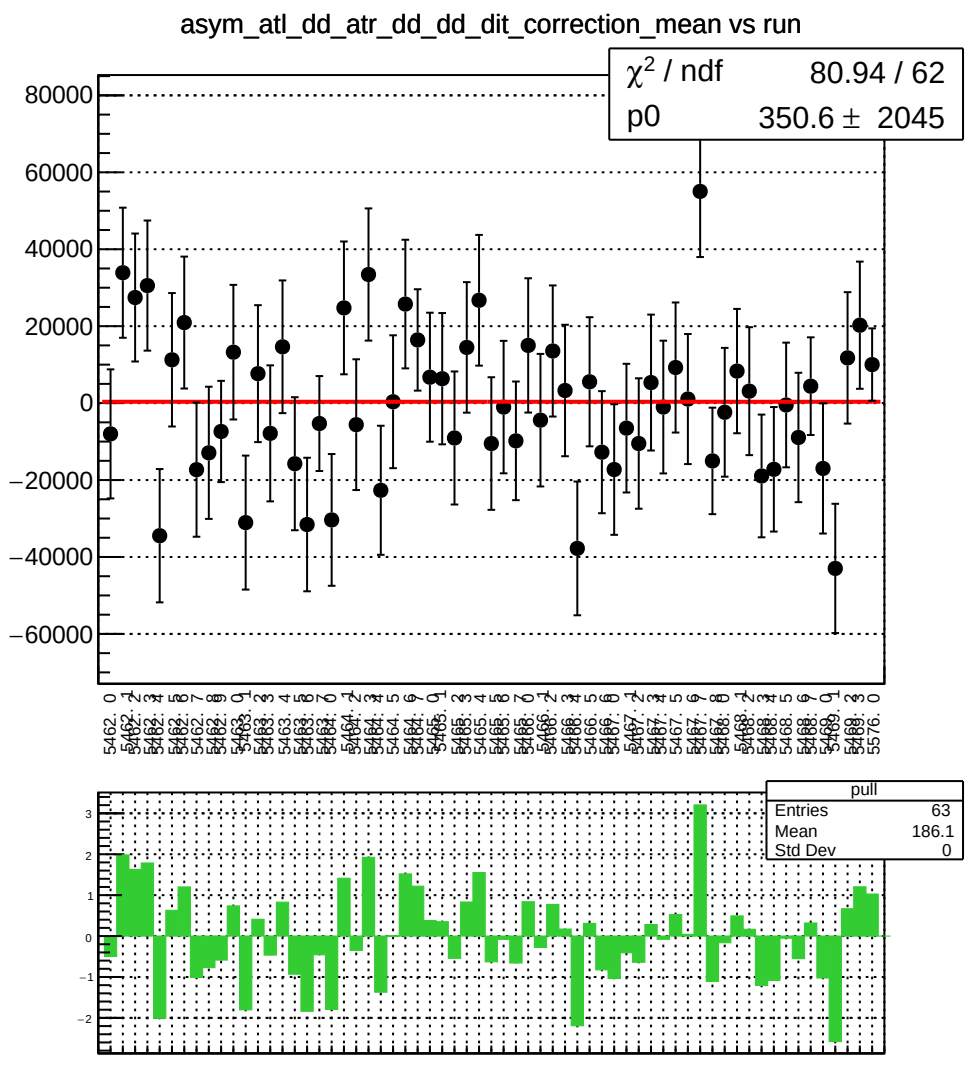
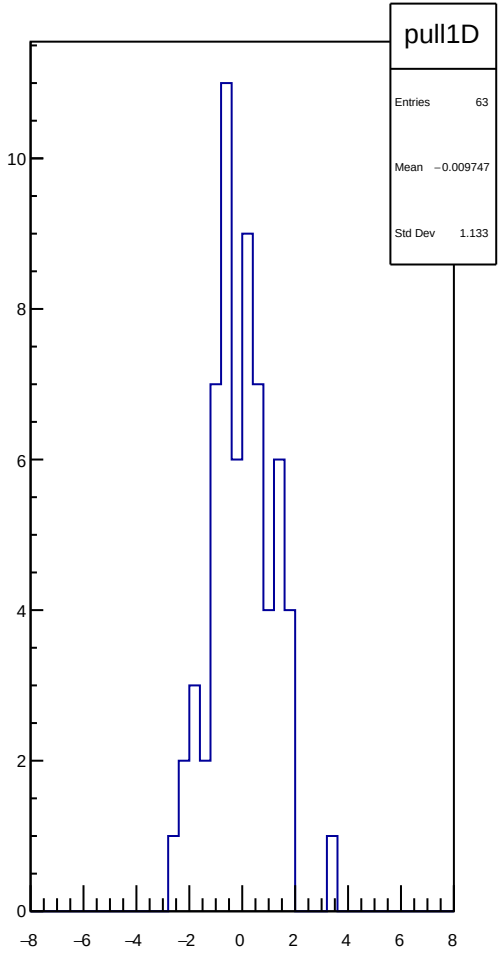
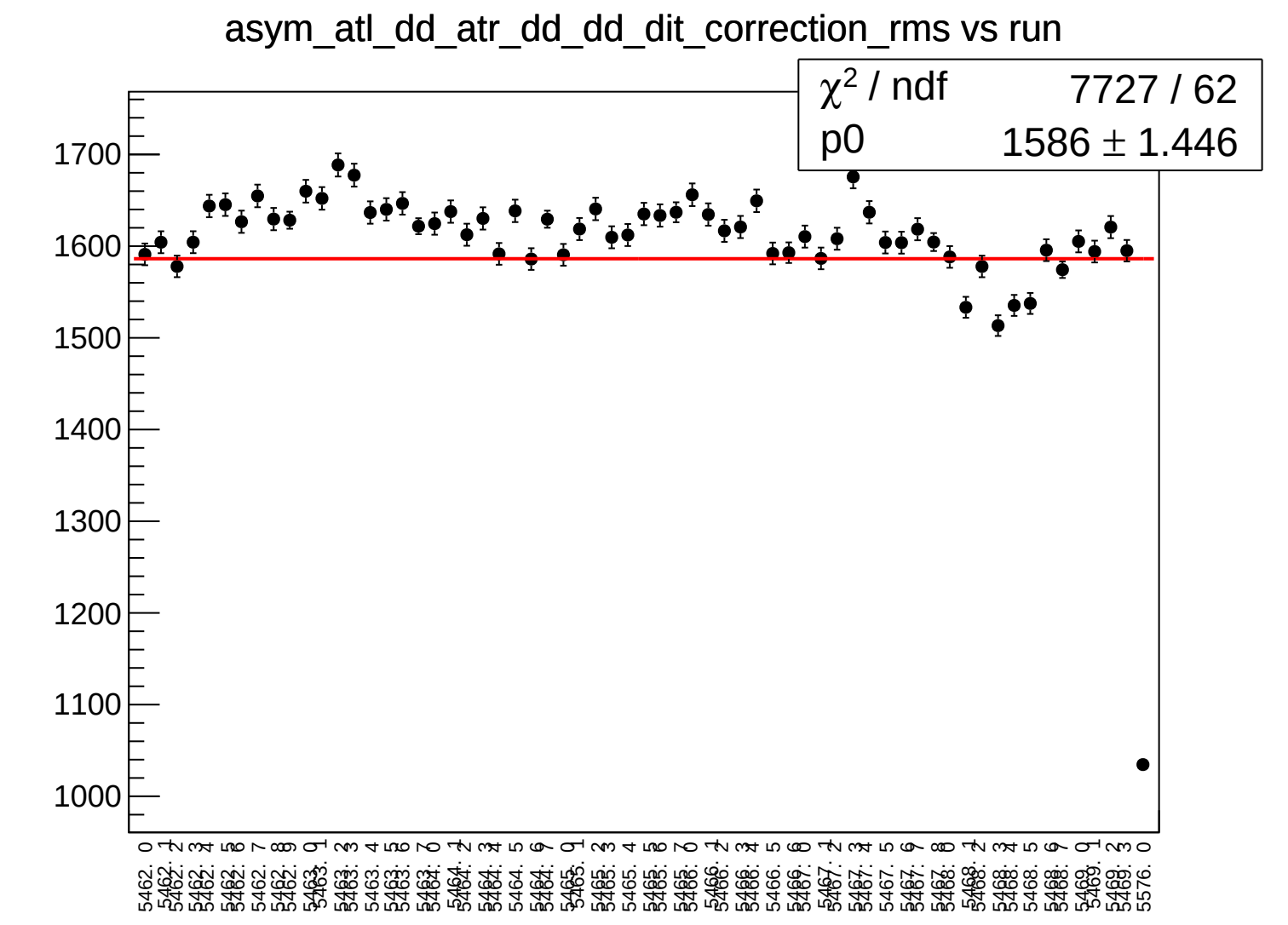
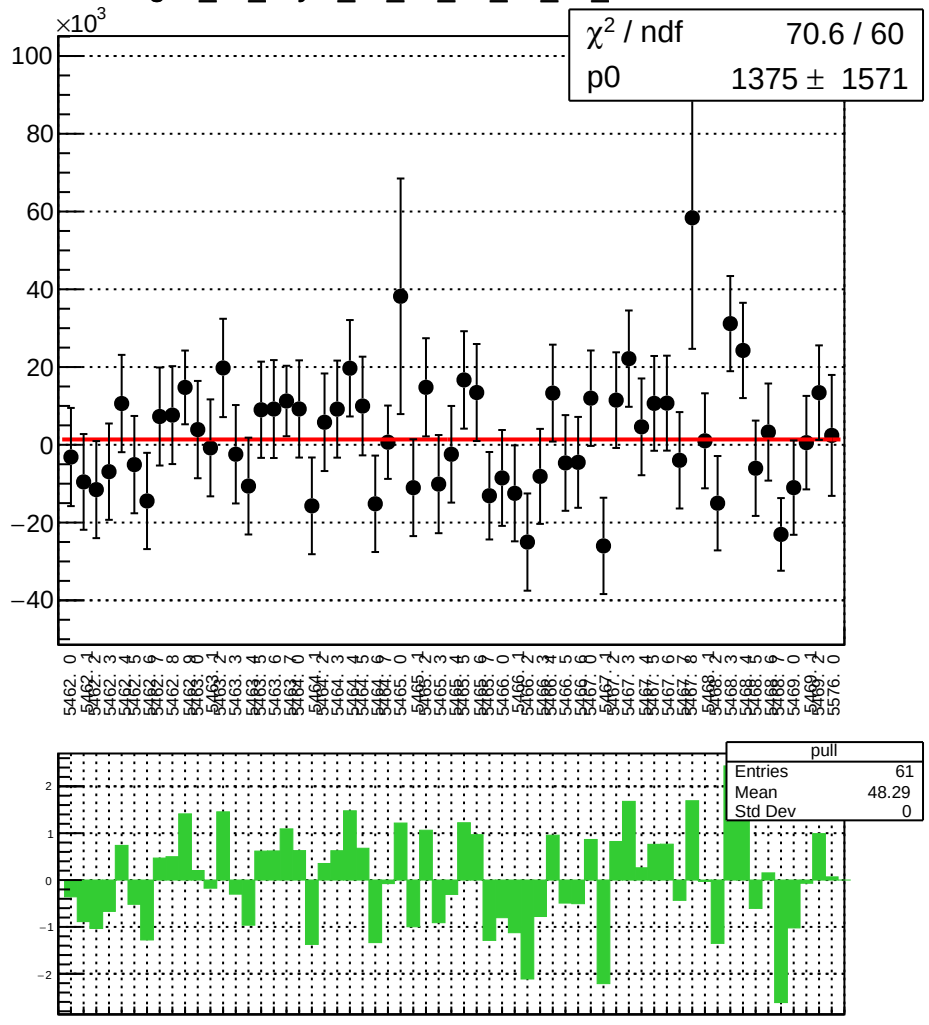
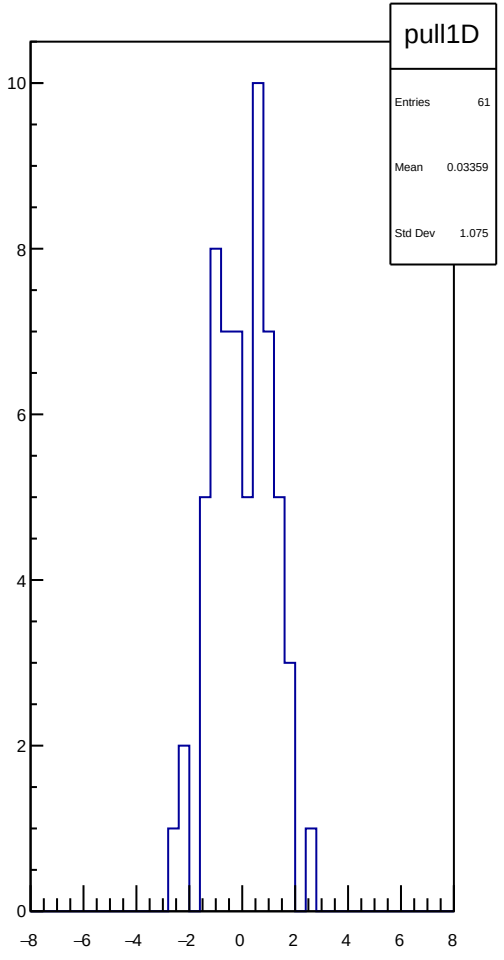
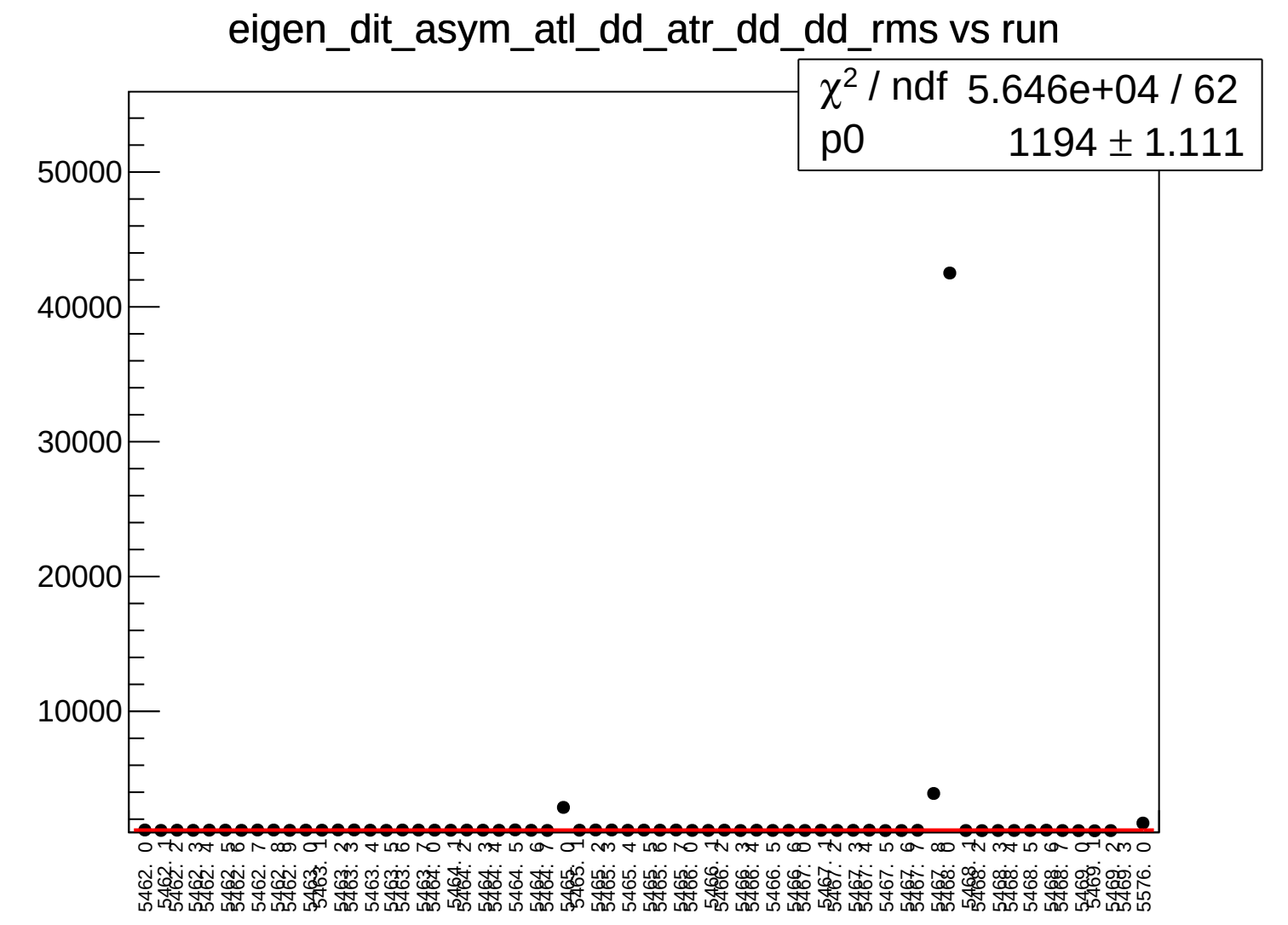

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 80.94 / 62
p0 350.6 ± 2045
pull
Entries 63
Mean 186.1
Std Dev 0

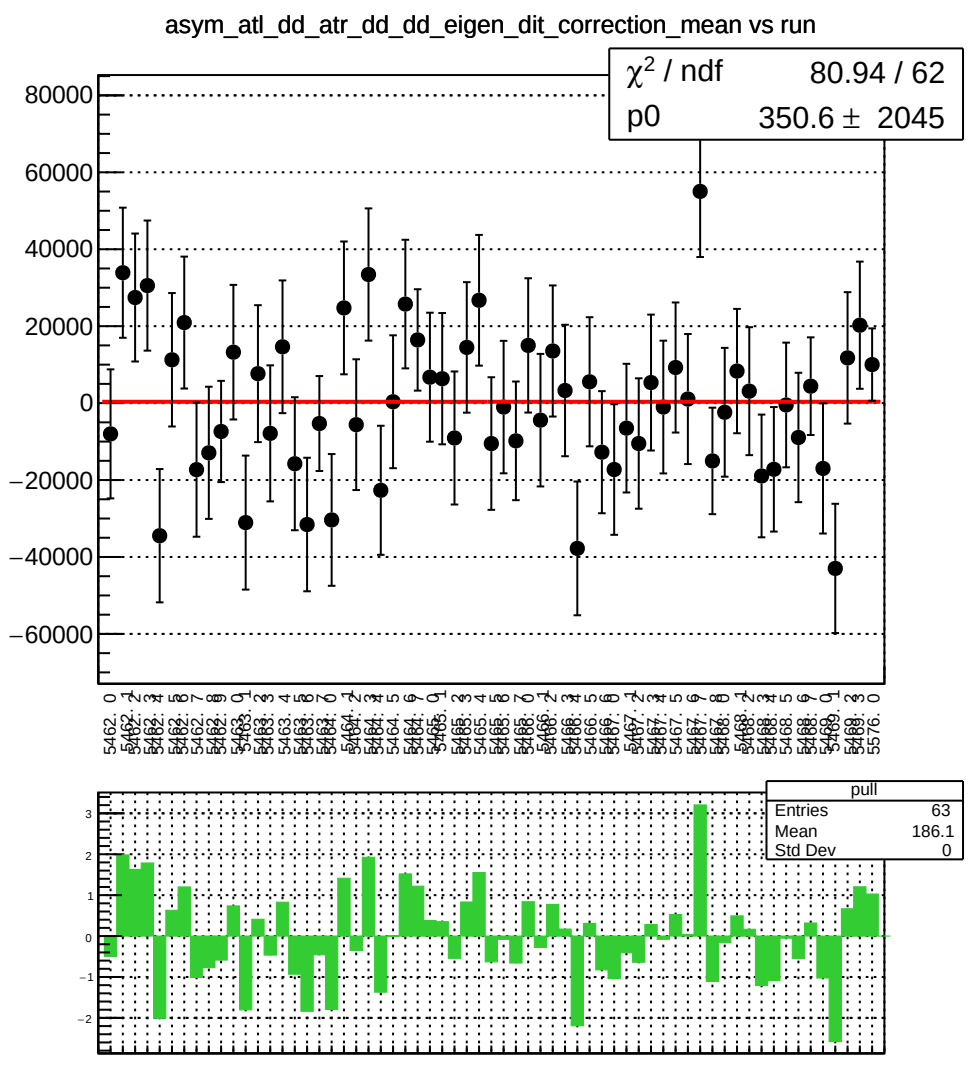

pull1D
Entries 63
Mean −0.009747
Std Dev 1.133

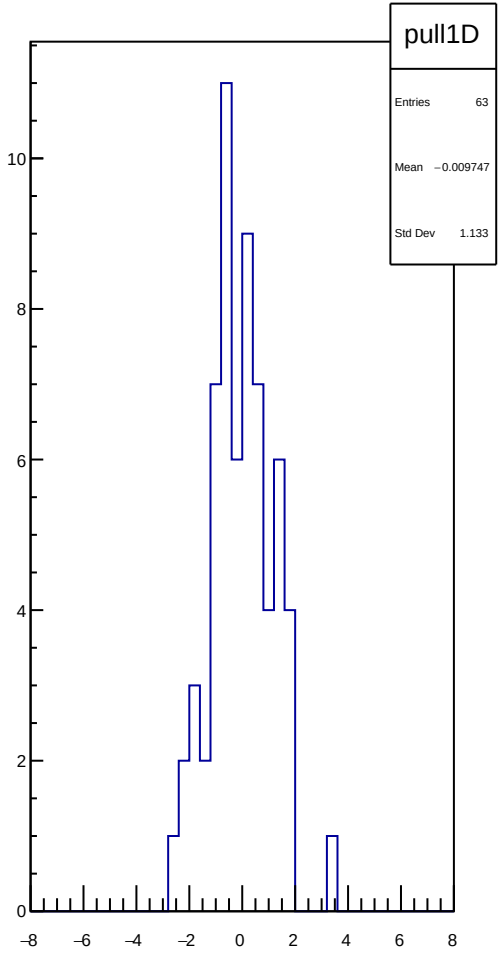

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 7727 / 62
p0 1586 ± 1.446
1700
1600
1500
1400
1300
1200
1100
1000

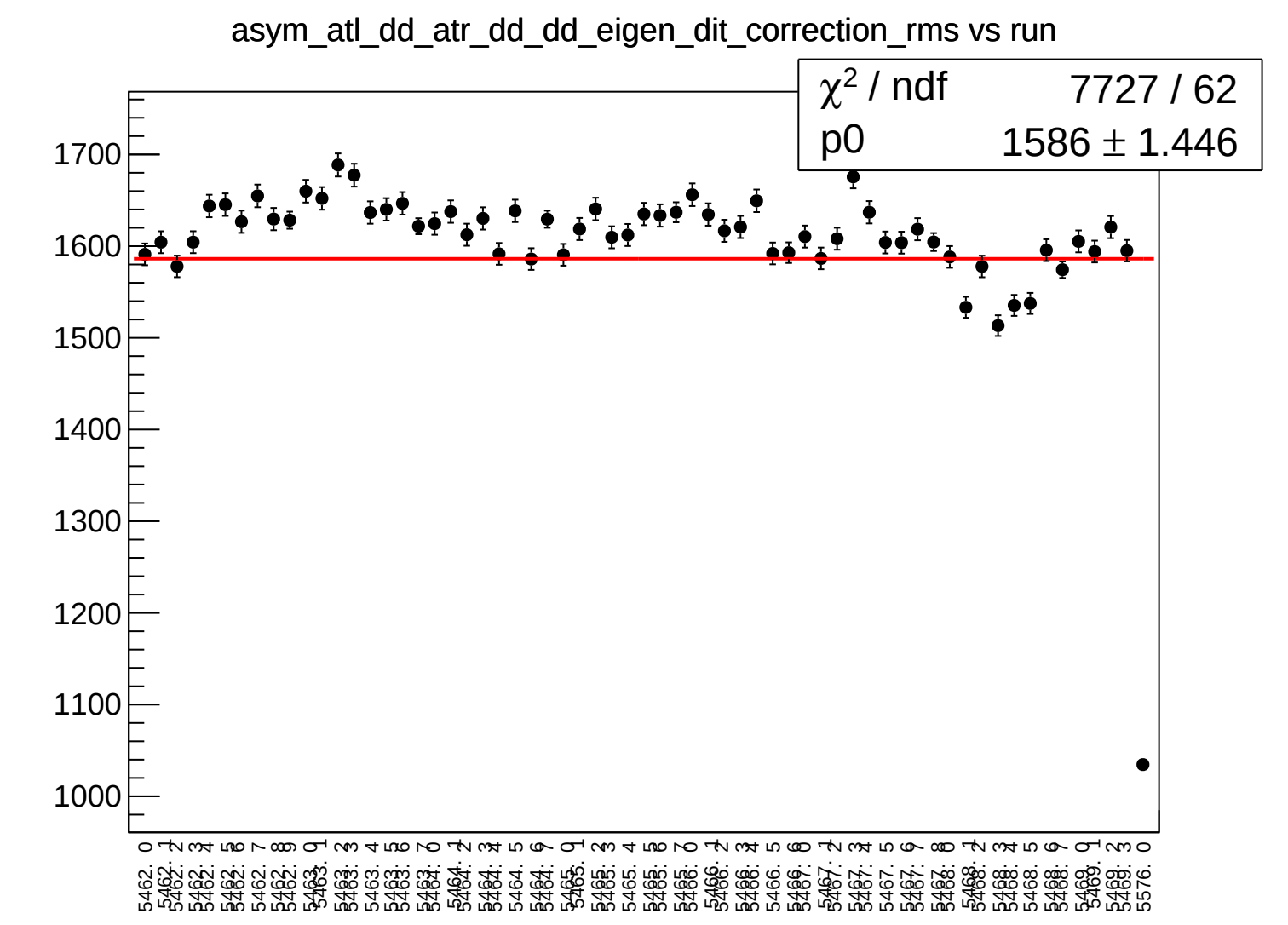

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 70.6 / 60
p0 1375 ± 1571
pull
Entries 61
Mean 48.29
Std Dev 0

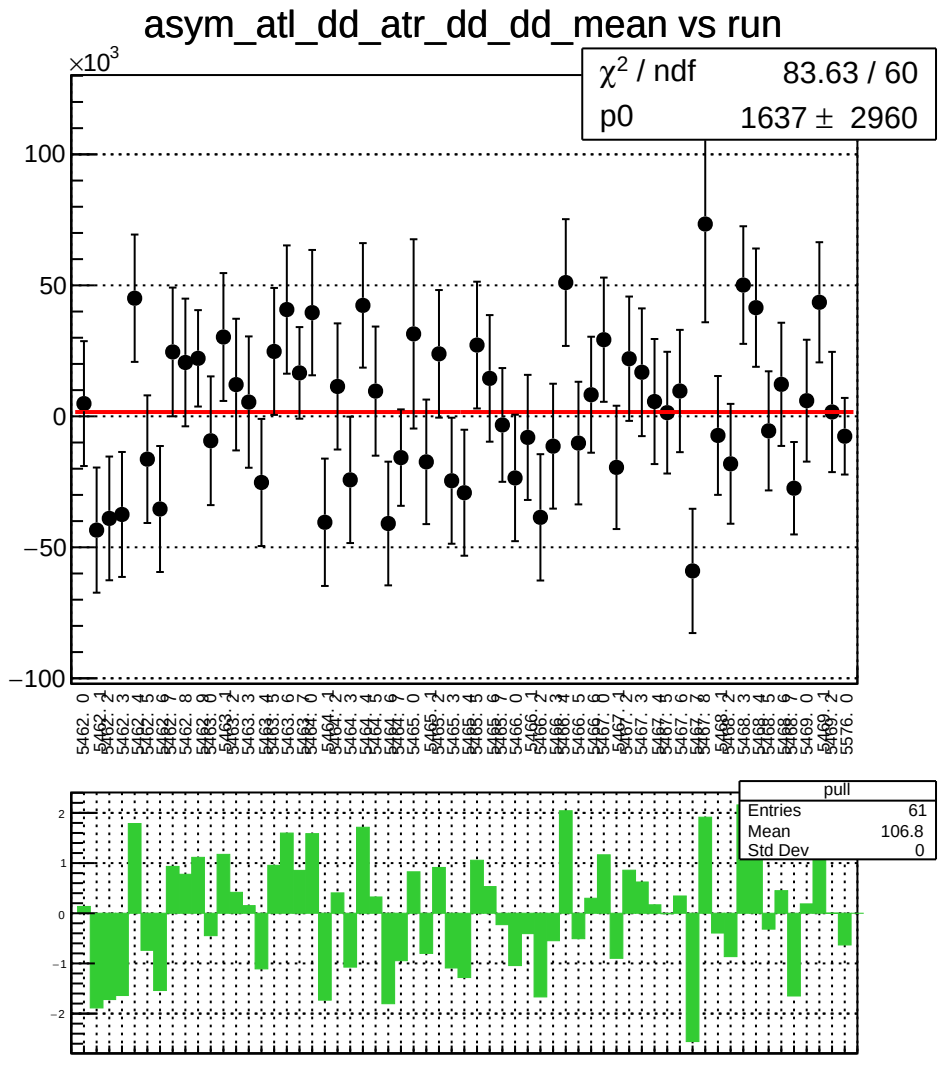

pull1D
Entries 61
Mean 0.03359
Std Dev 1.075

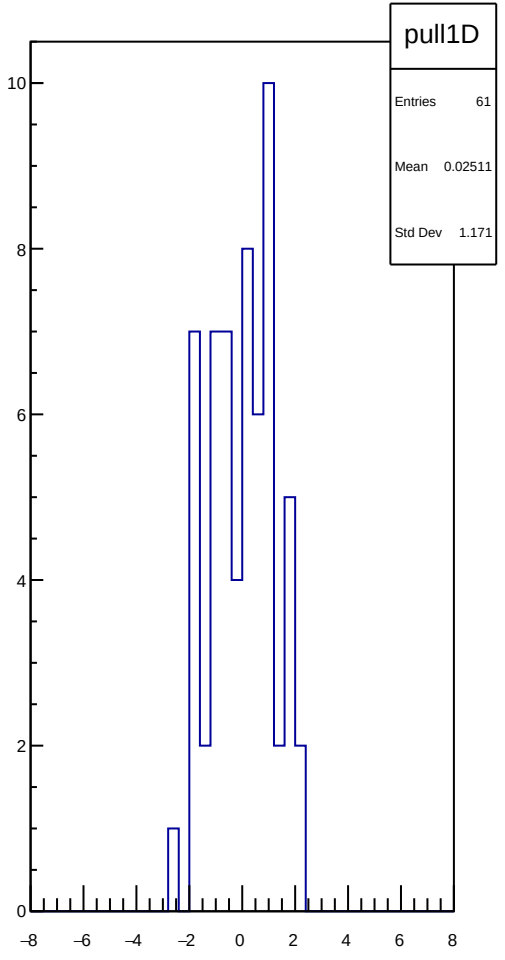

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5.646e+04 / 62
p0 1194 ± 1.111
50000
40000
30000
20000
10000

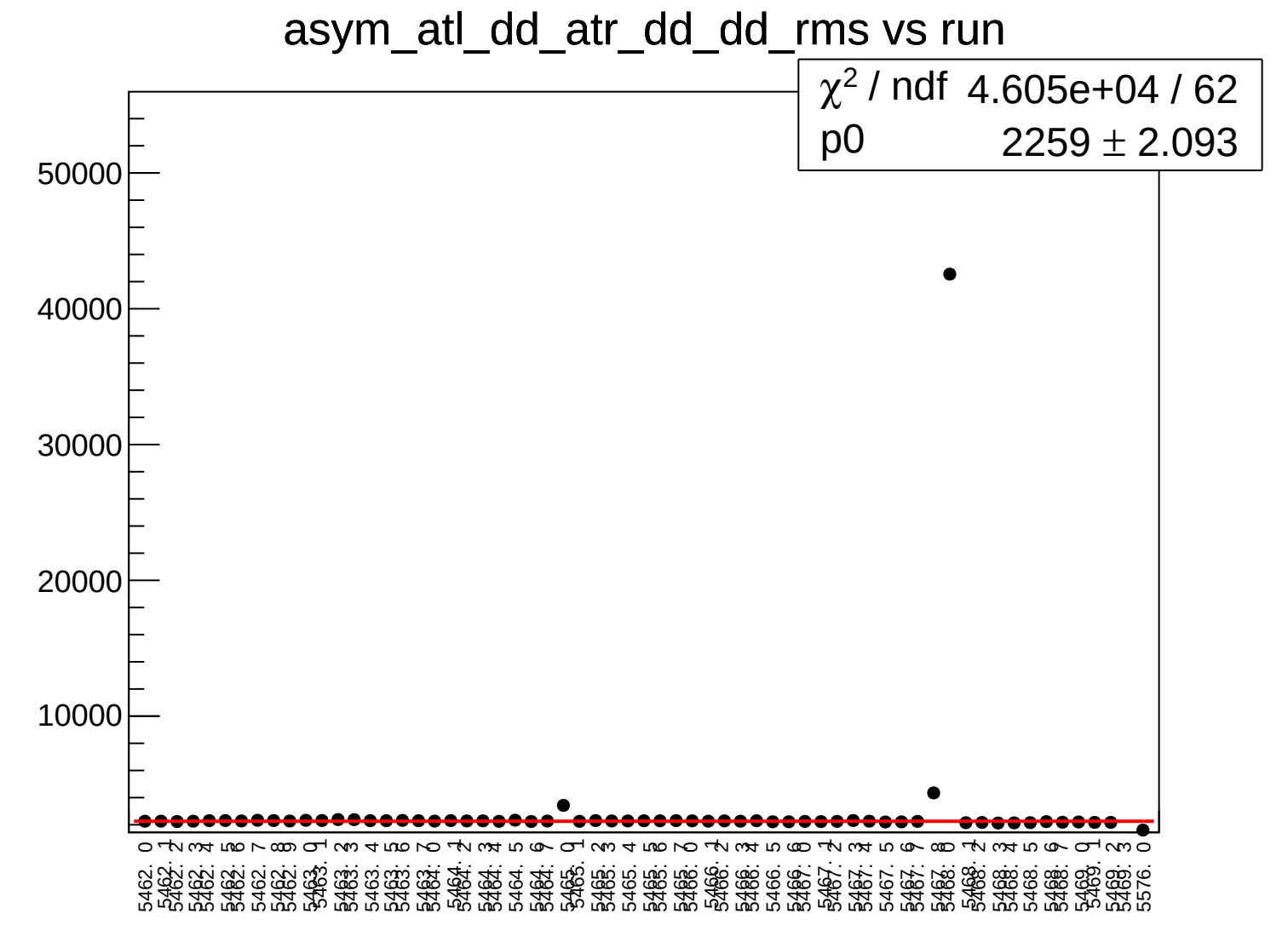

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.94 / 62
p0 350.6 ± 2045
pull
Entries 63
Mean 186.1
Std Dev 0

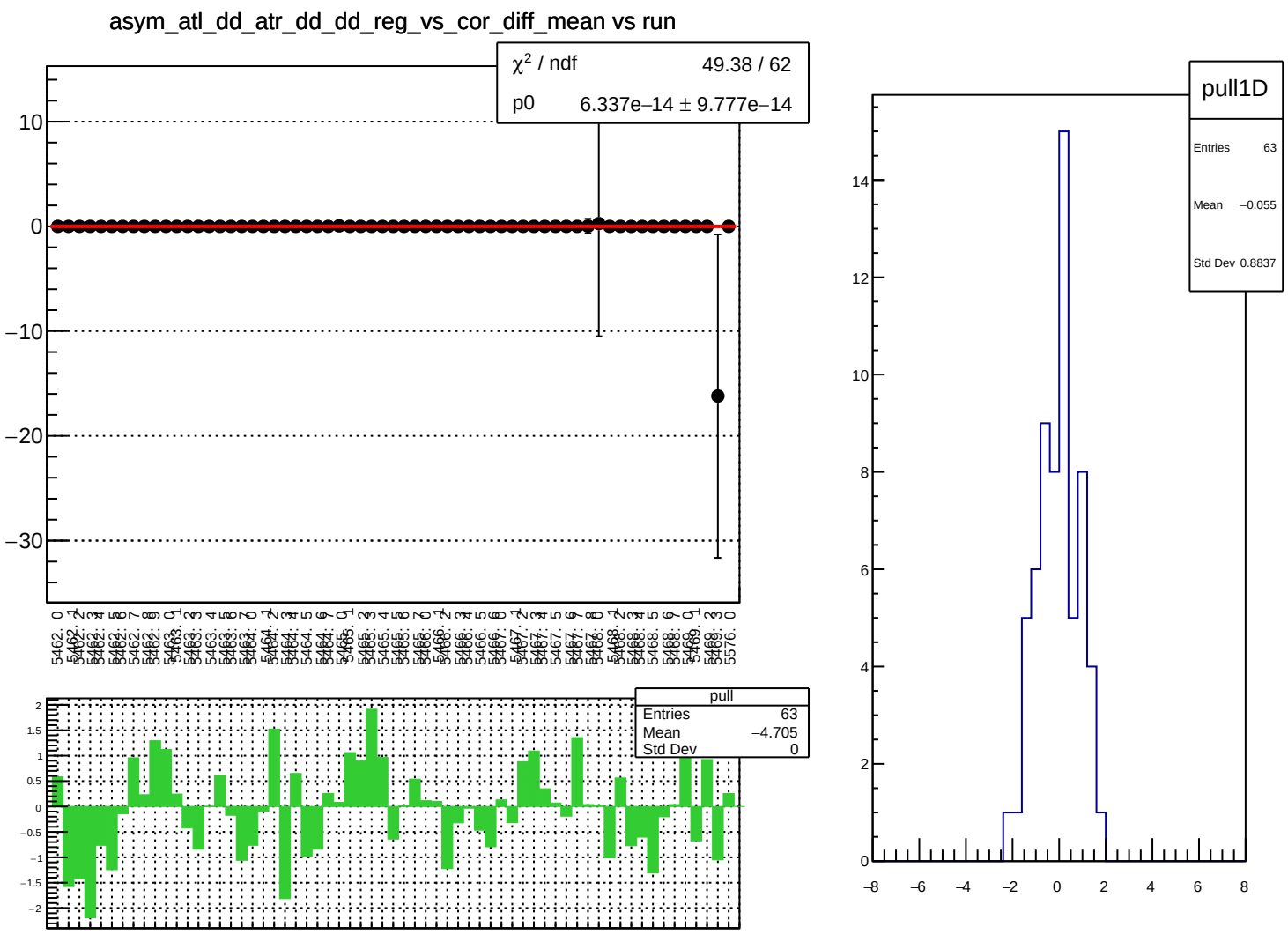

pull1D
Entries 63
Mean −0.009747
Std Dev 1.133

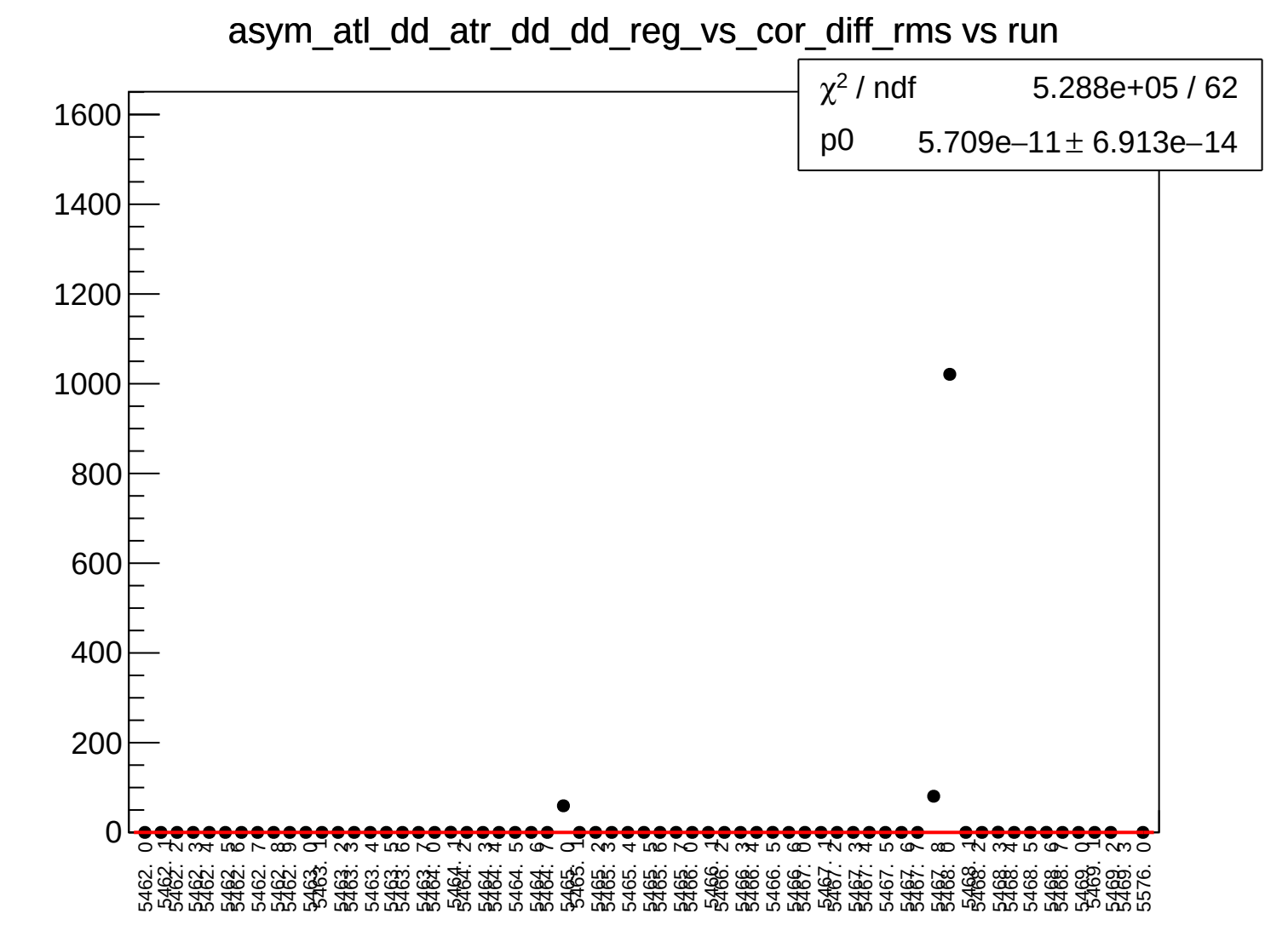

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7727 / 62
p0 1586 ± 1.446
1700
1600
1500
1400
1300
1200
1100
1000

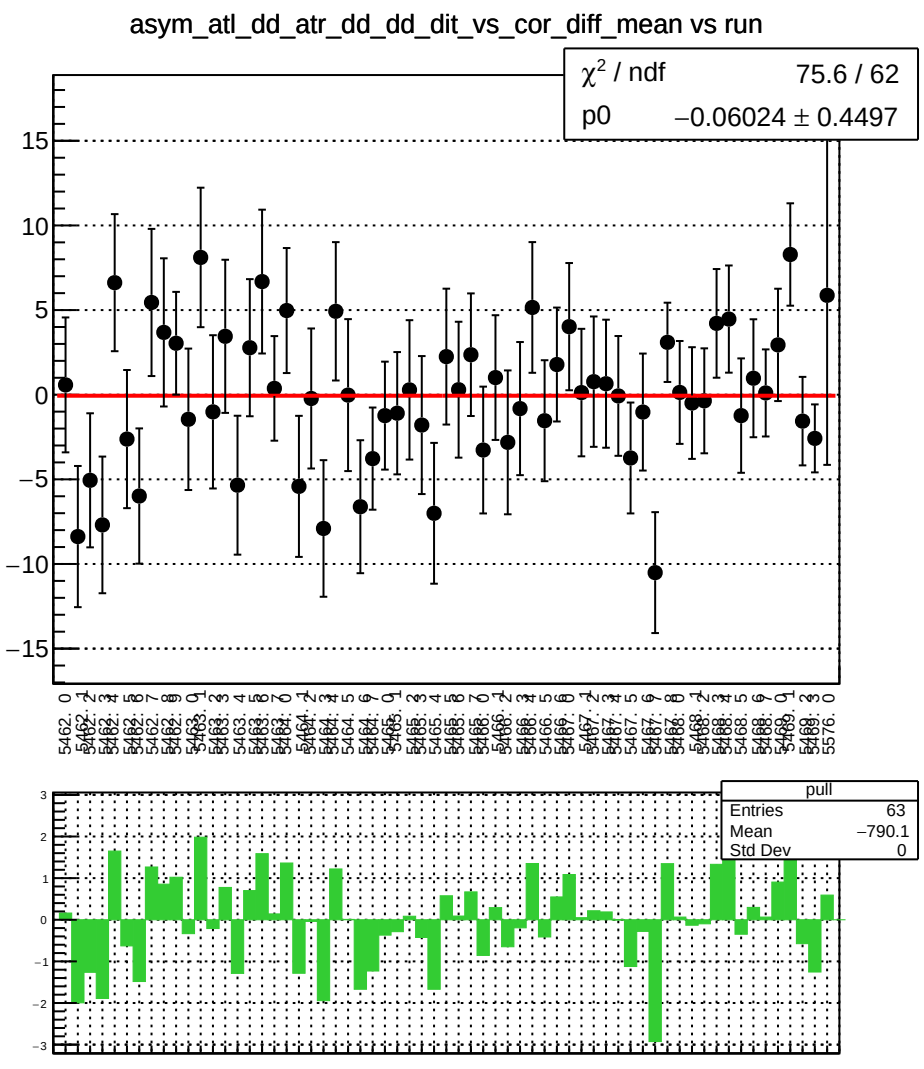

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 83.63 / 60
p0 1637 ± 2960
100
50
0
−50
−100
pull
Entries 61
Mean 106.8
Std Dev 0
2
1
0
−1
−2

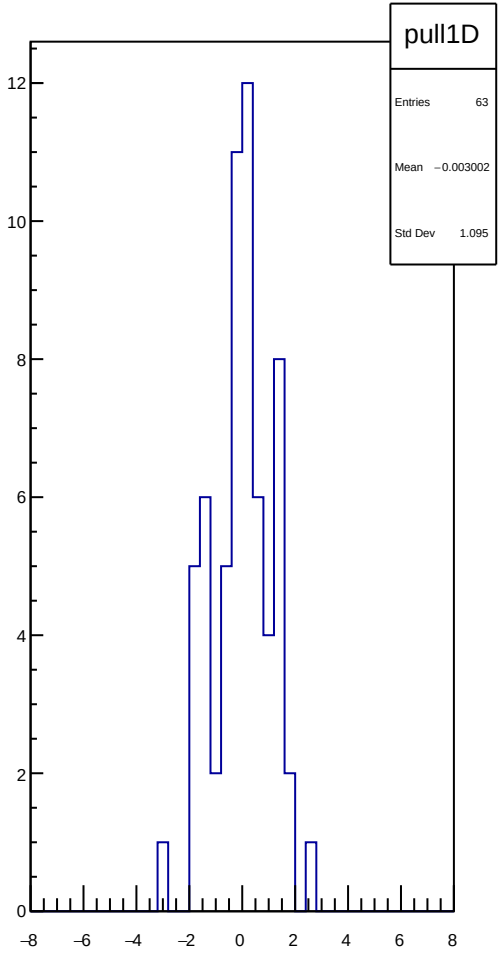

pull1D
Entries 61
Mean 0.02511
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

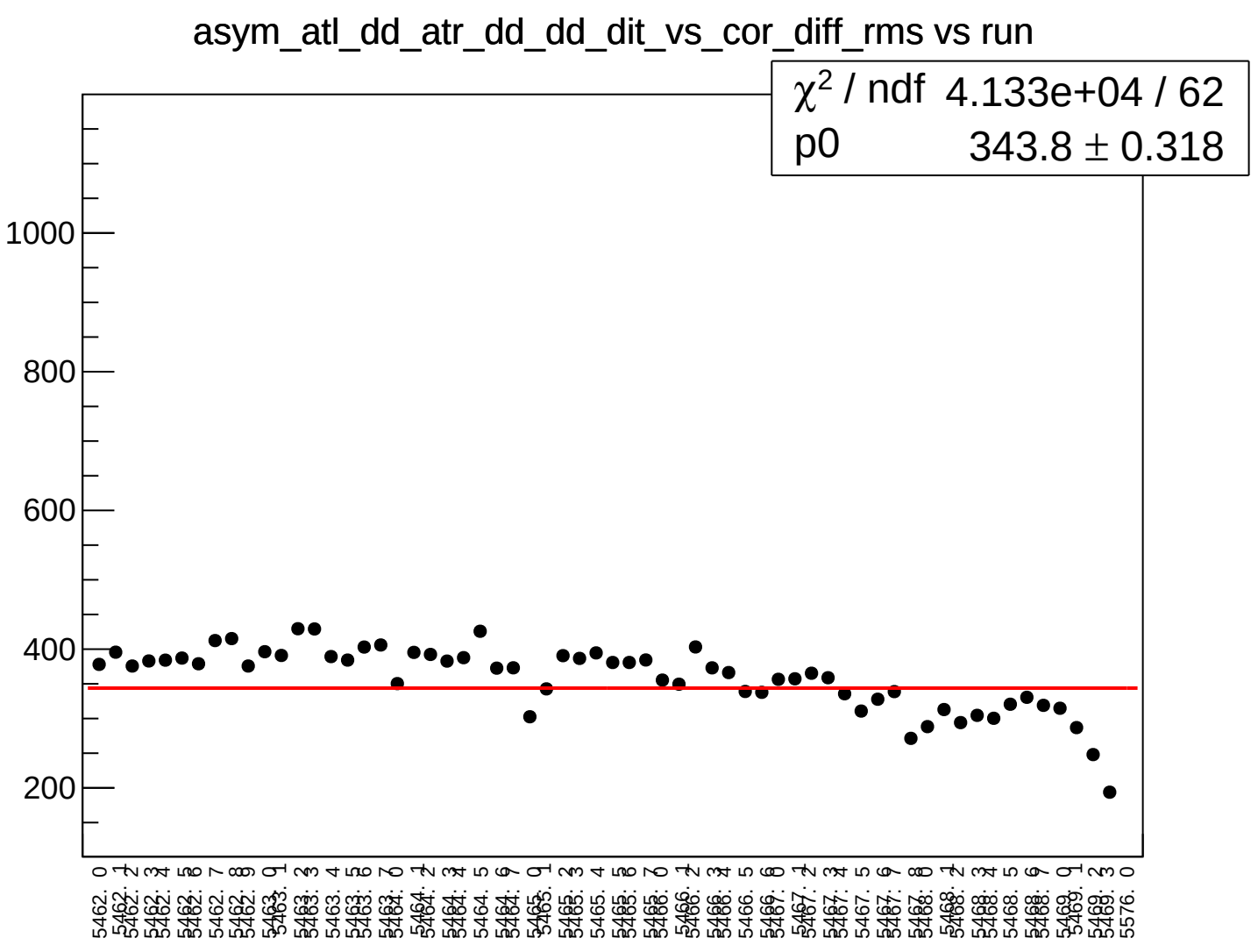

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4.605e+04 / 62
p0 2259 ± 2.093
50000
40000
30000
20000
10000

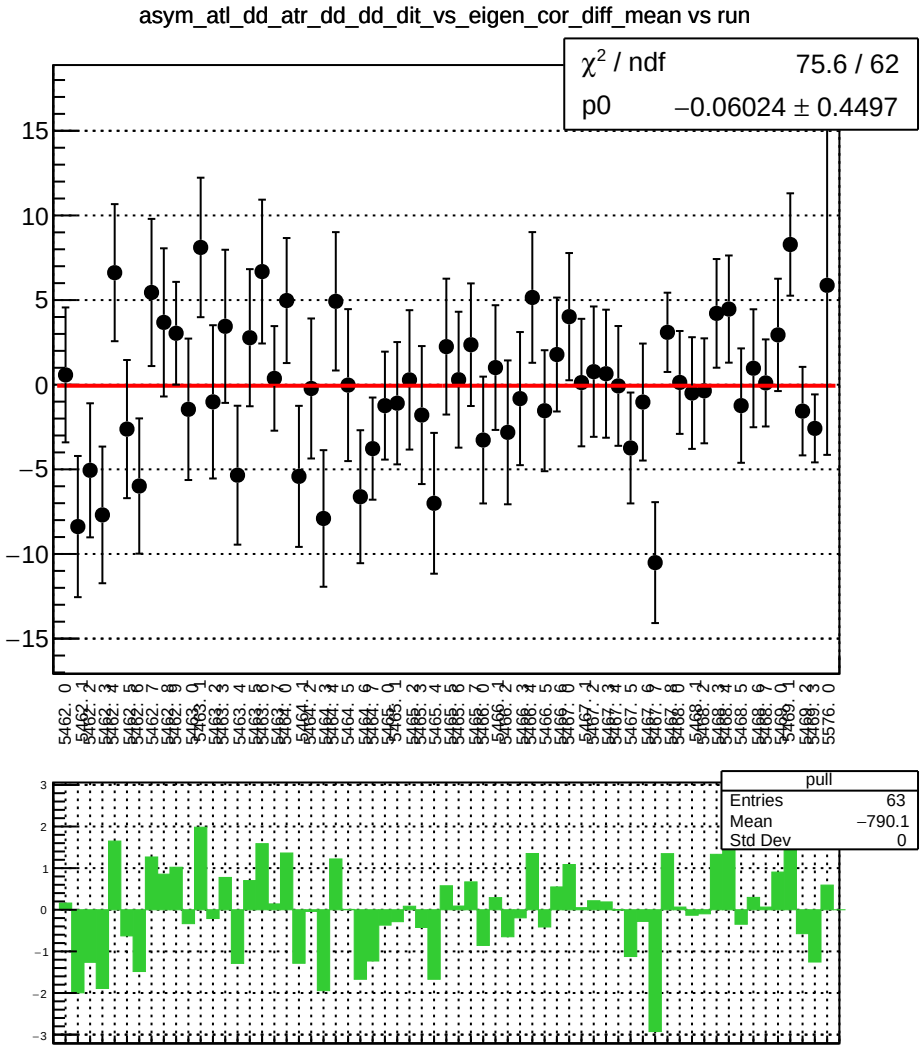

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 62
p0 6.337e−14 ± 9.777e−14
10
0
−10
−20
−30
pull
Entries 63
Mean −4.705
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 63
Mean −0.055
Std Dev 0.8837
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

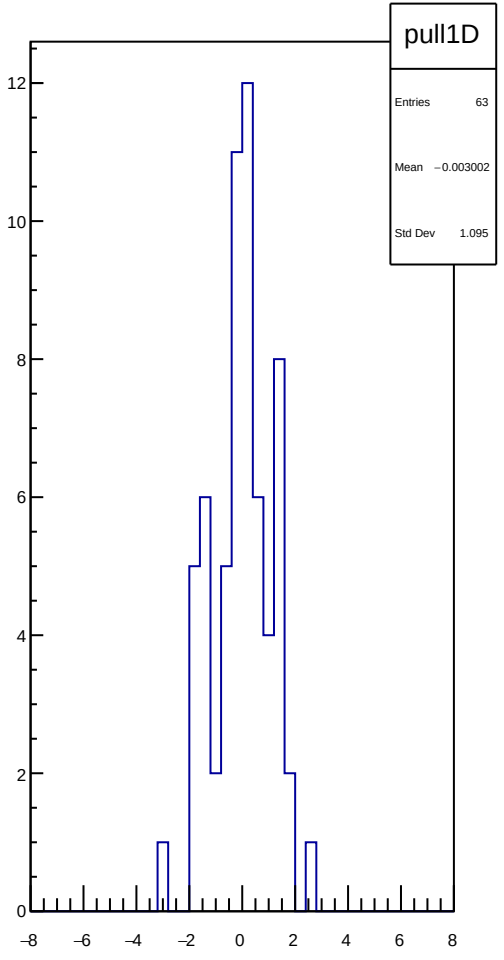

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.288e+05 / 62
p0 5.709e−11 ± 6.913e−14
1600
1400
1200
1000
800
600
400
200
0

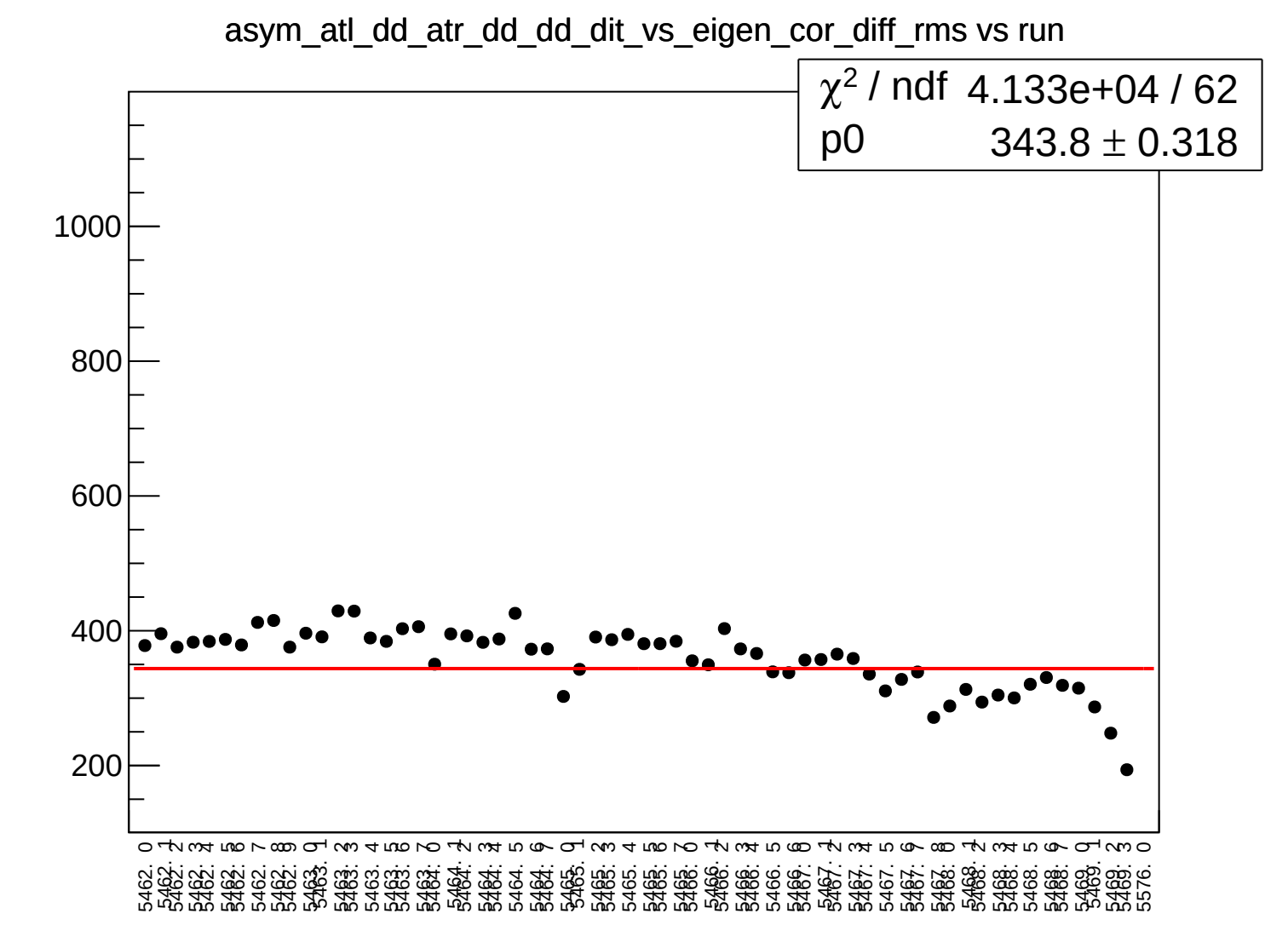

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06024 ± 0.4497
pull
Entries 63
Mean −790.1
Std Dev 0

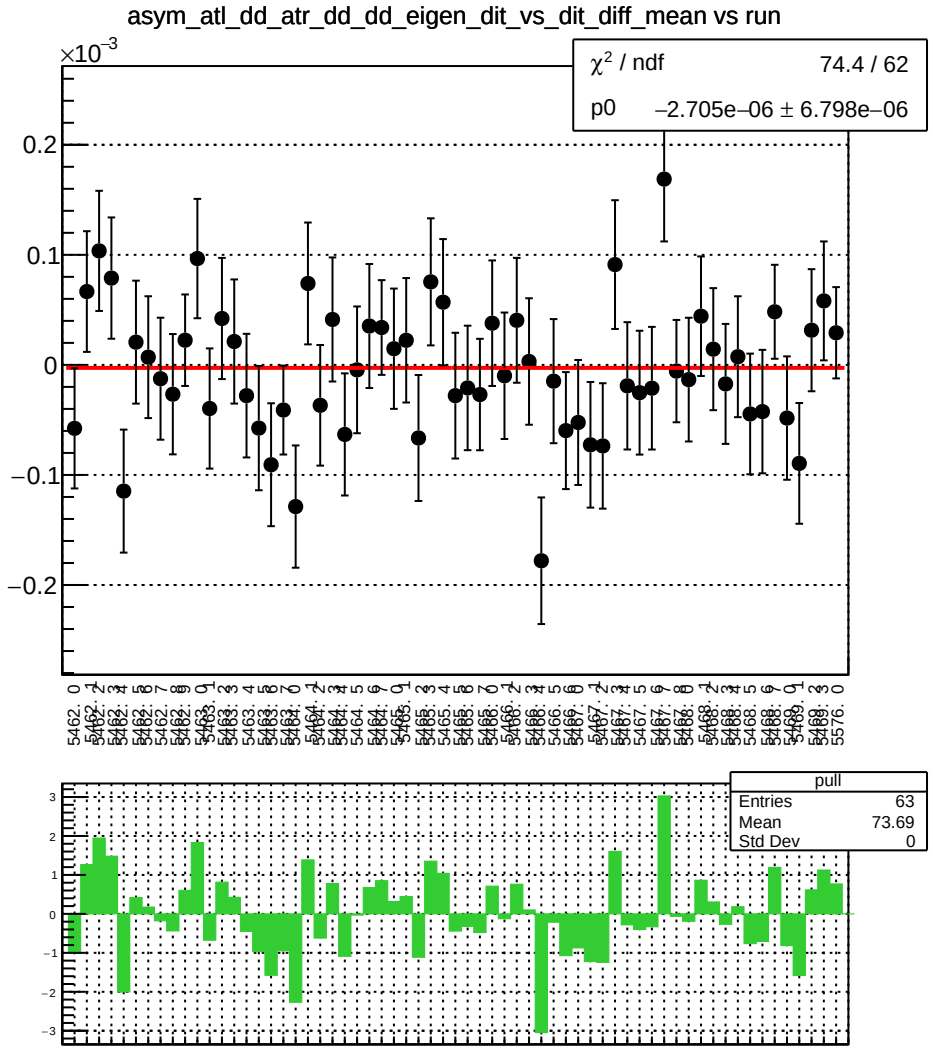

pull1D
Entries 63
Mean −0.003002
Std Dev 1.095

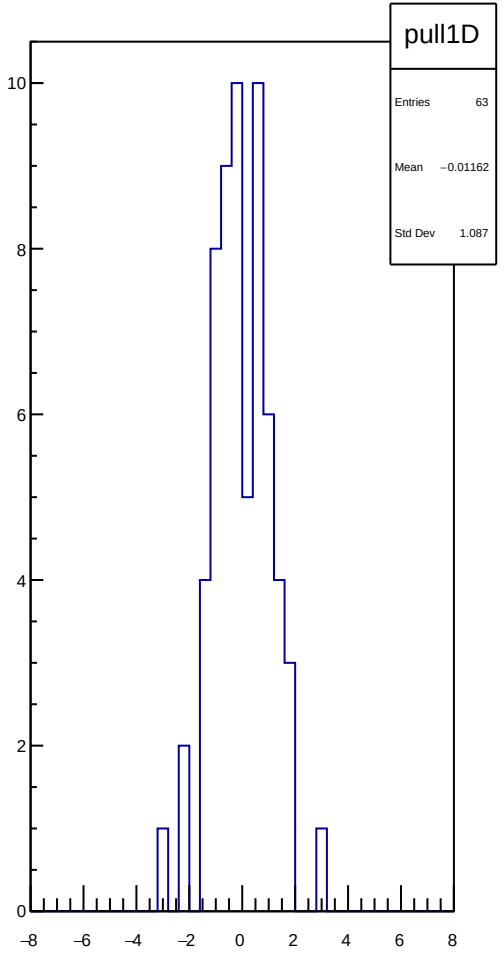

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

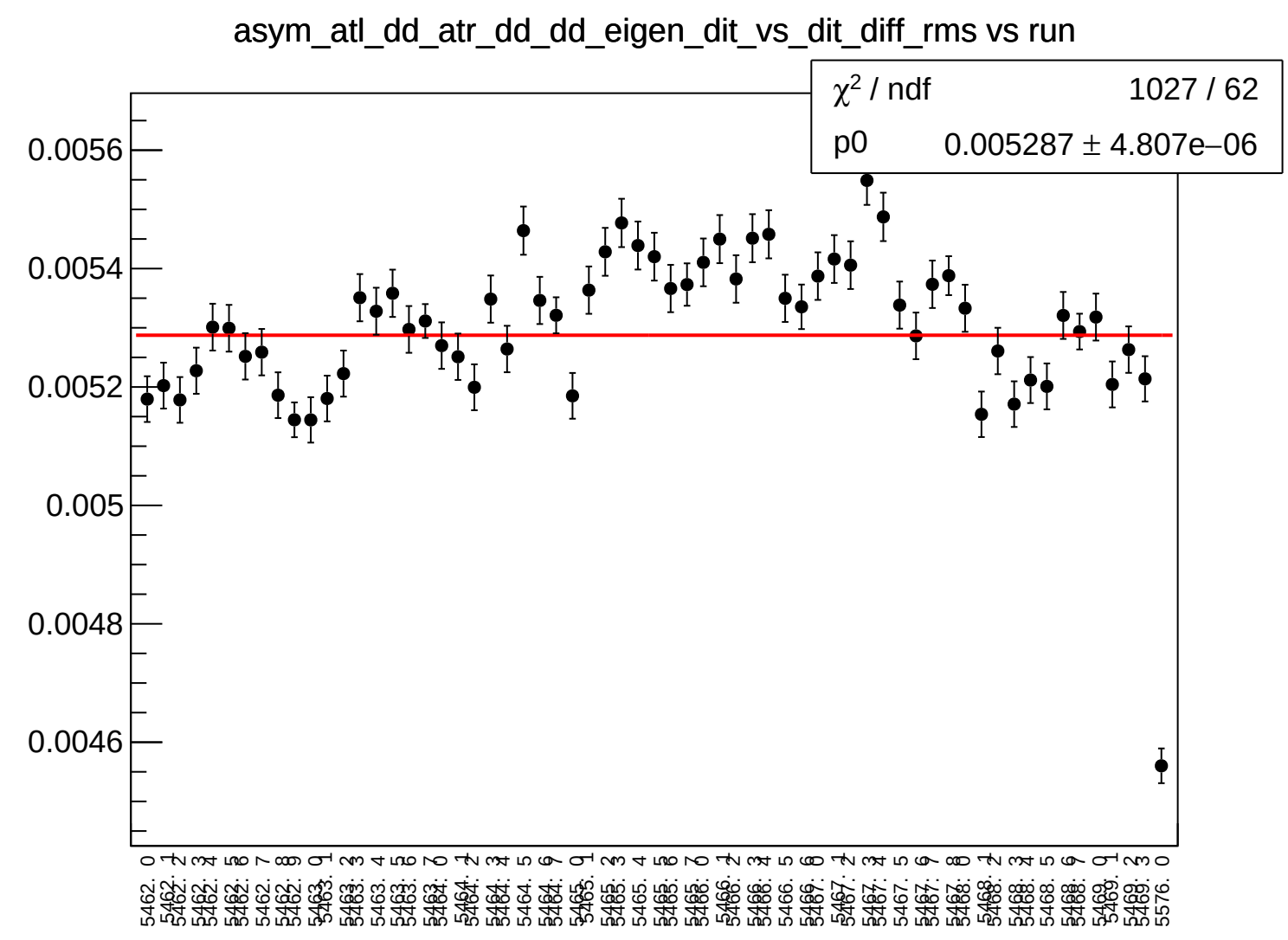

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06024 ± 0.4497
pull
Entries 63
Mean −790.1
Std Dev 0

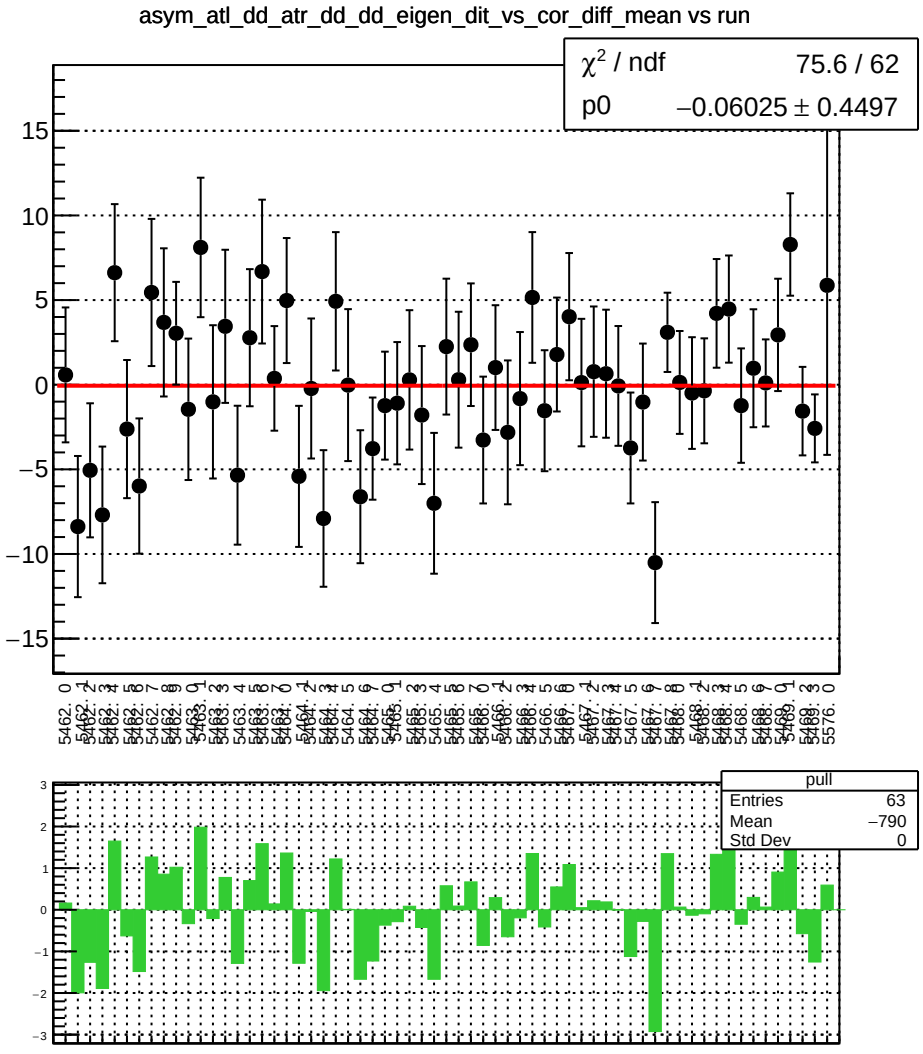

pull1D
Entries 63
Mean −0.003002
Std Dev 1.095

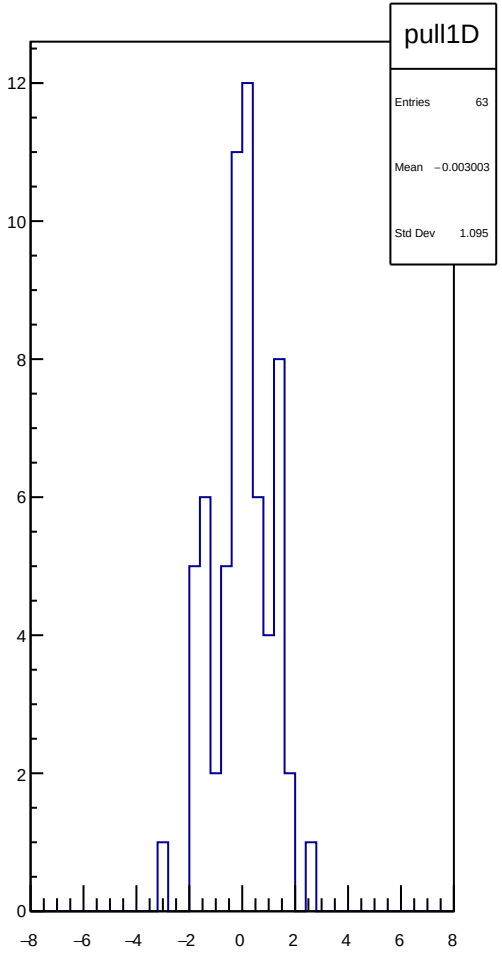

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

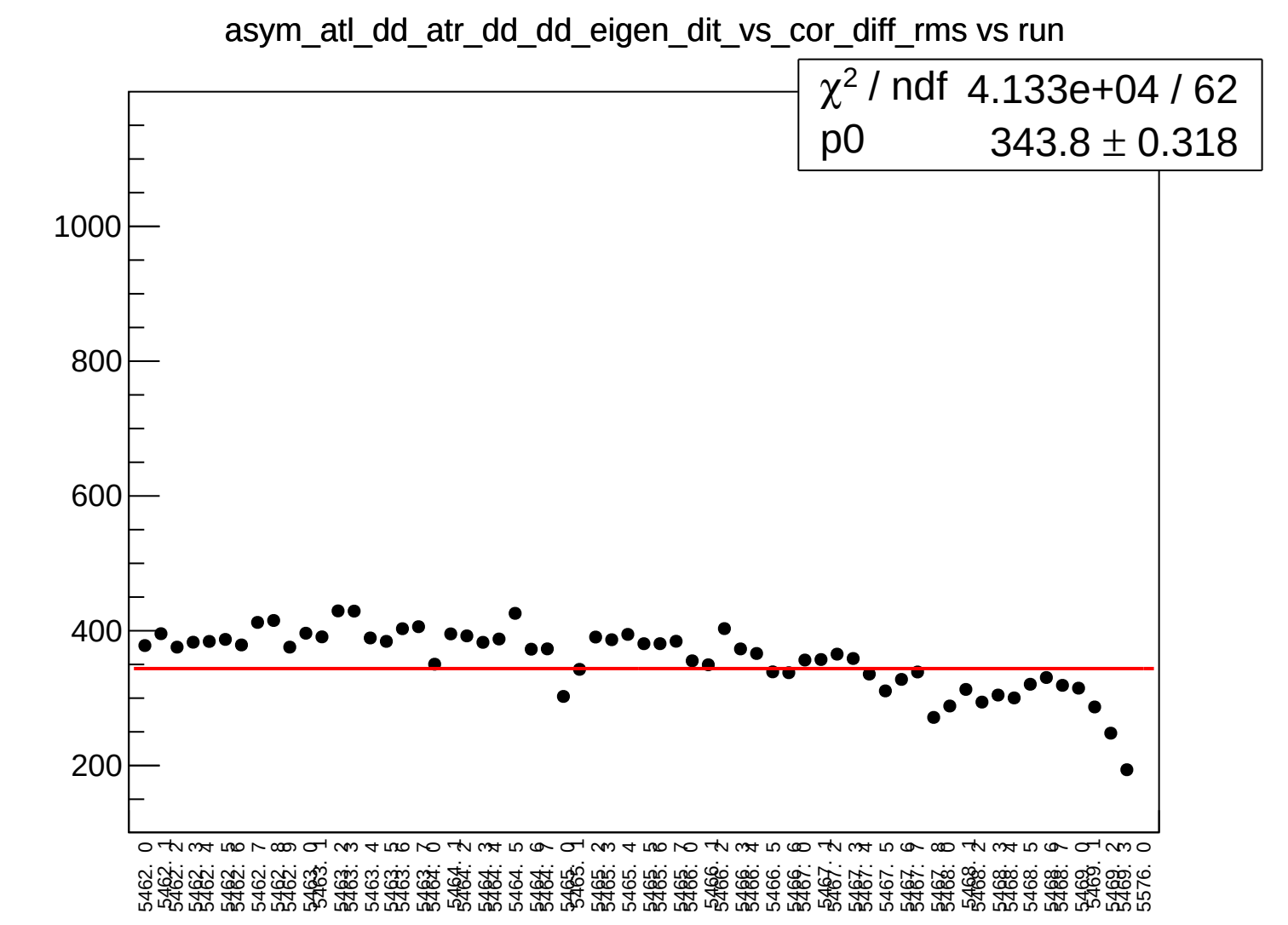

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 74.4 / 62
p0 −2.705e−06 ± 6.798e−06
pull
Entries 63
Mean 73.69
Std Dev 0

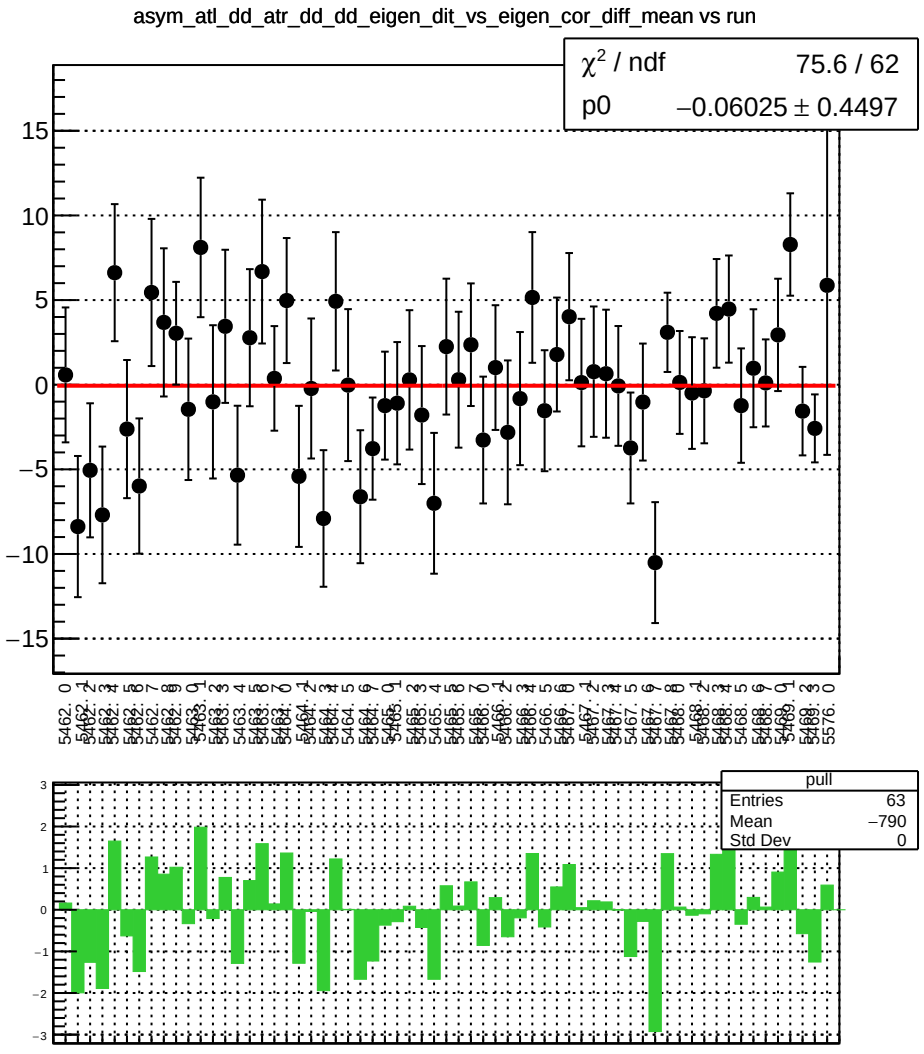

pull1D
Entries 63
Mean −0.01162
Std Dev 1.087

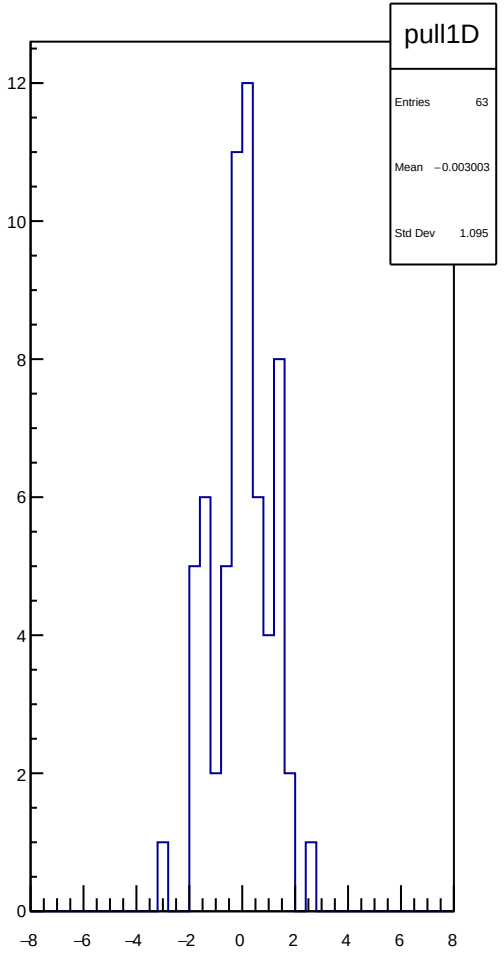

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1027 / 62
p0 0.005287 ± 4.807e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

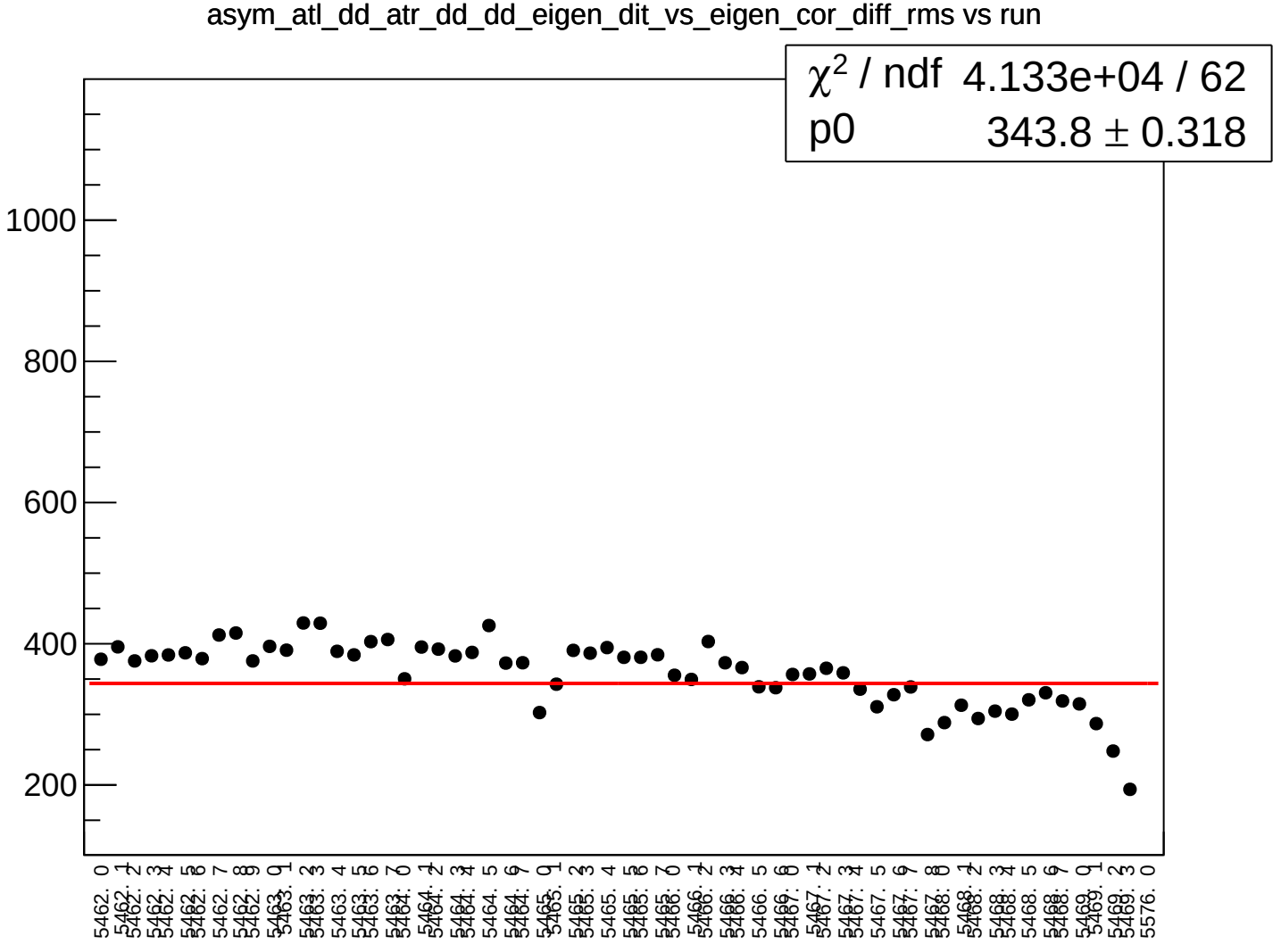

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06025 ± 0.4497
pull
Entries 63
Mean −790
Std Dev 0

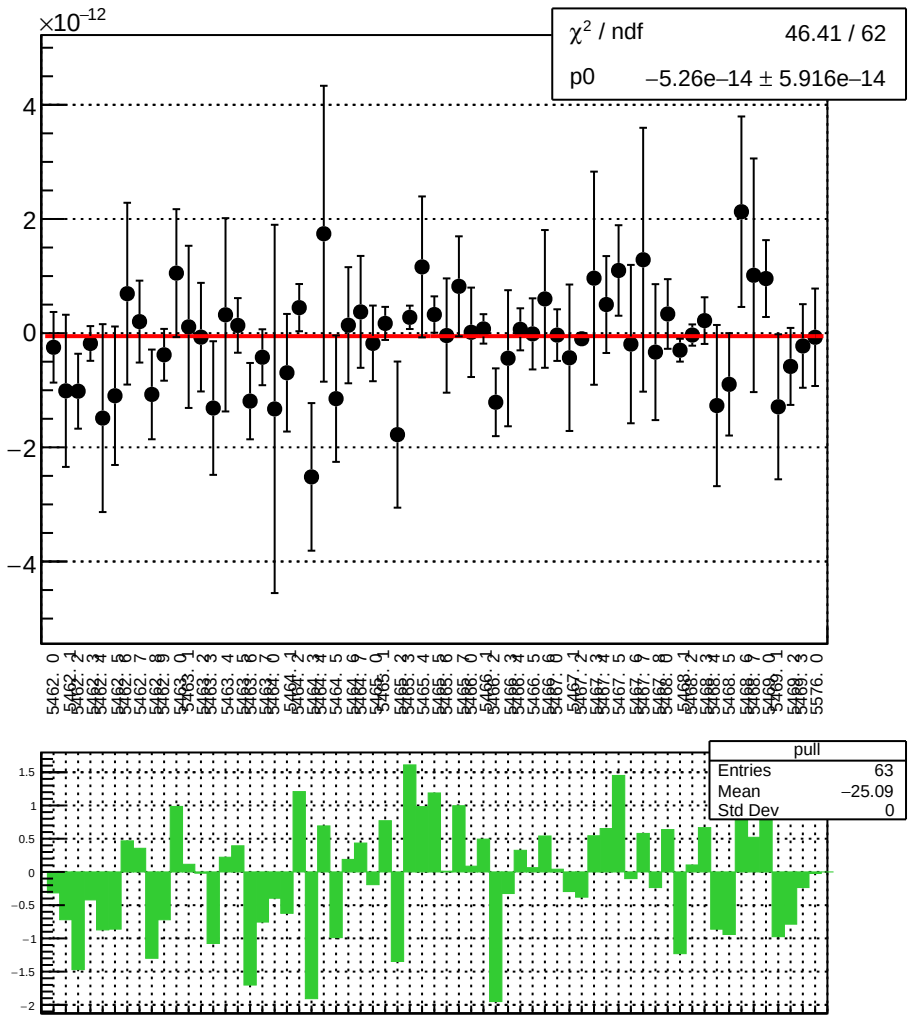

pull1D
Entries 63
Mean −0.003003
Std Dev 1.095

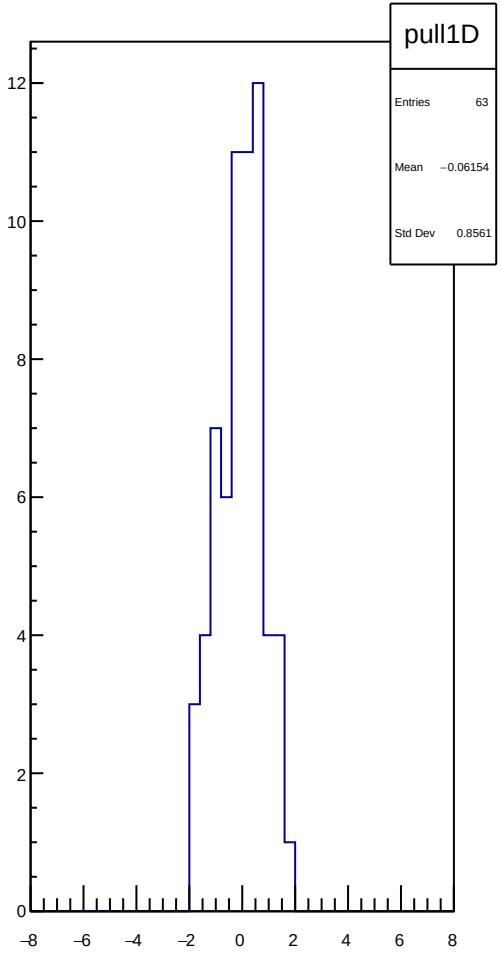

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

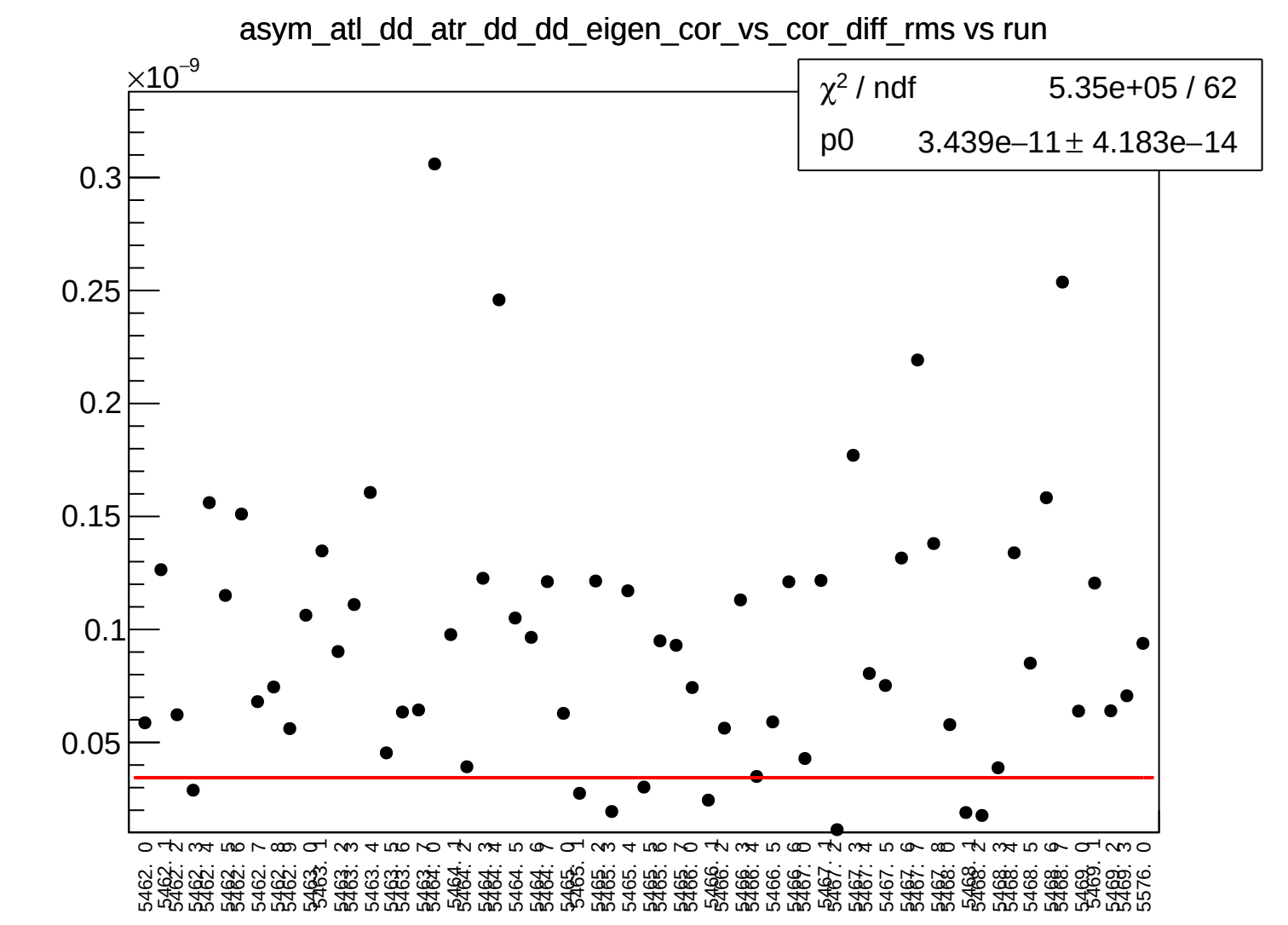

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06025 ± 0.4497
pull
Entries 63
Mean −790
Std Dev 0

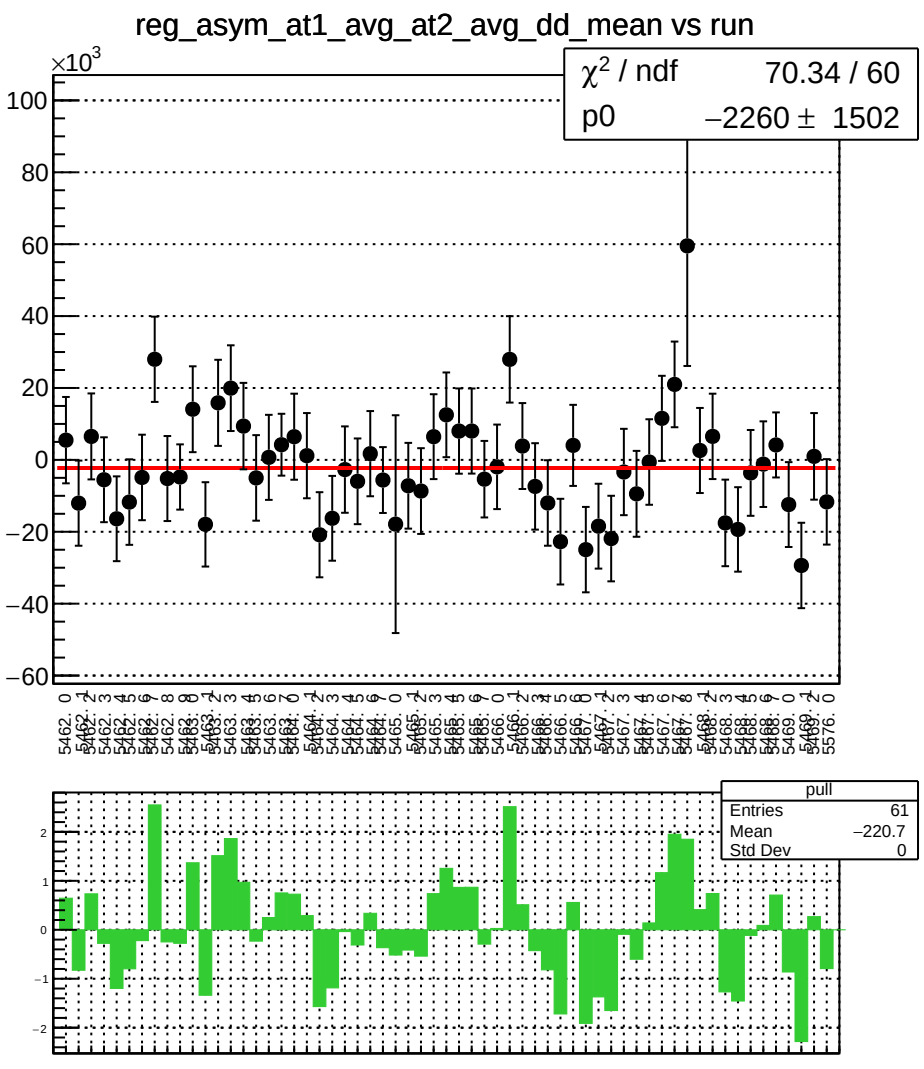

pull1D
Entries 63
Mean −0.003003
Std Dev 1.095

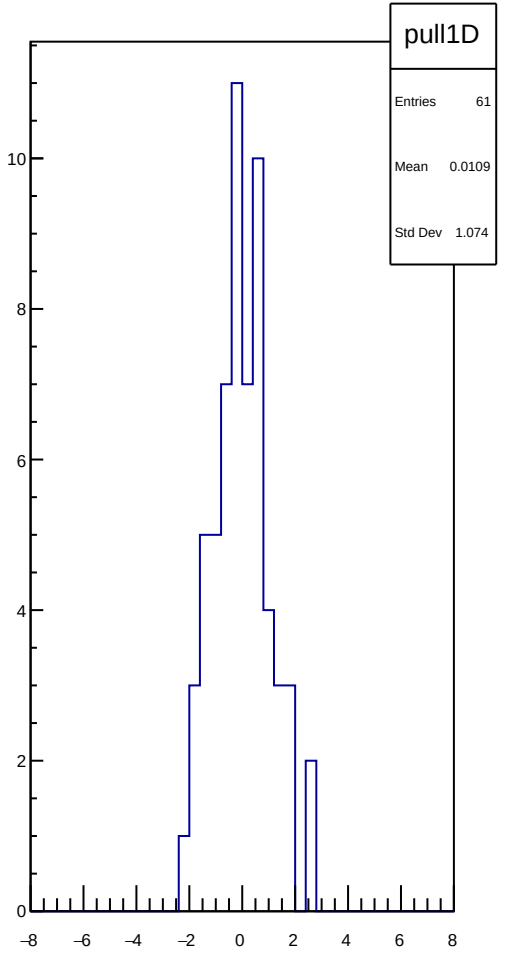

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

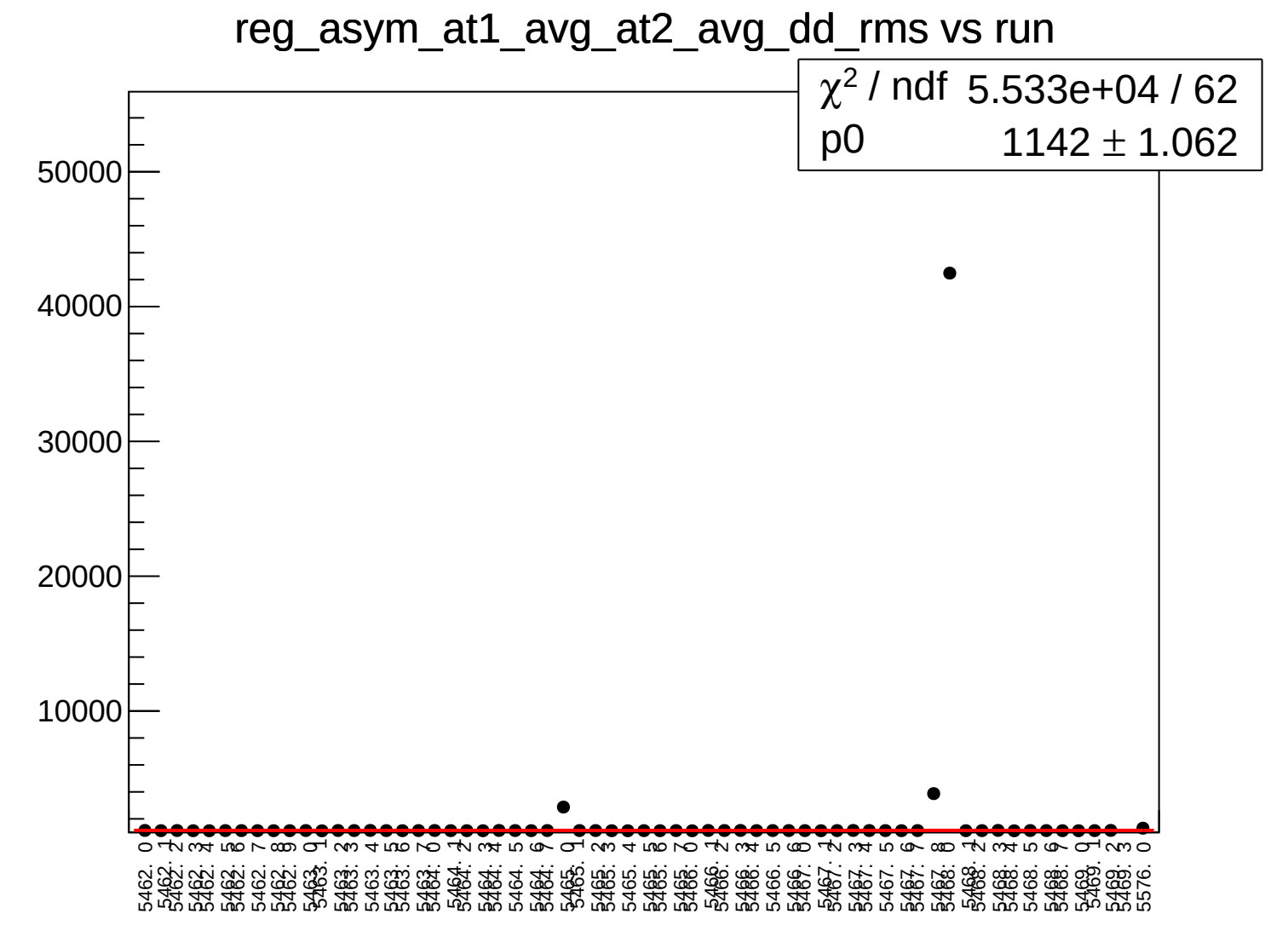

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.41 / 62
p0 −5.26e−14 ± 5.916e−14
pull
Entries 63
Mean −25.09
Std Dev 0

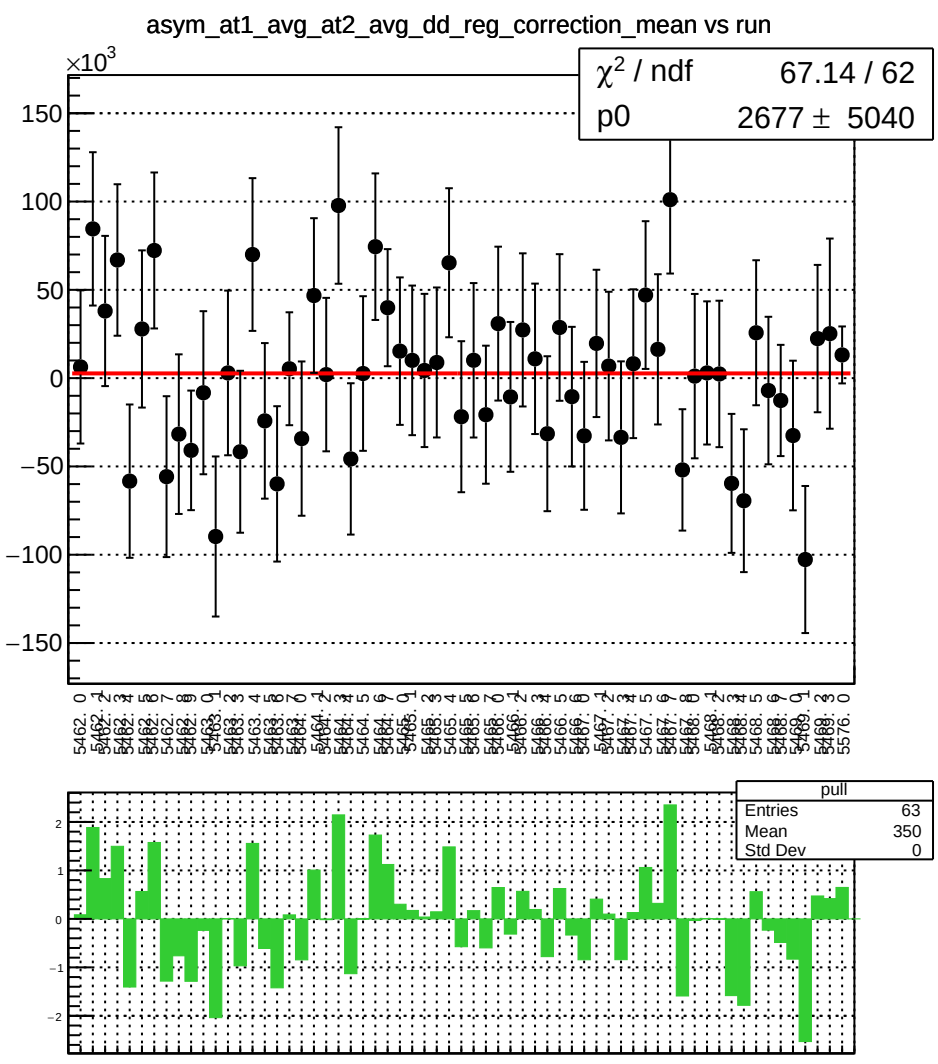

pull1D
Entries 63
Mean −0.06154
Std Dev 0.8561

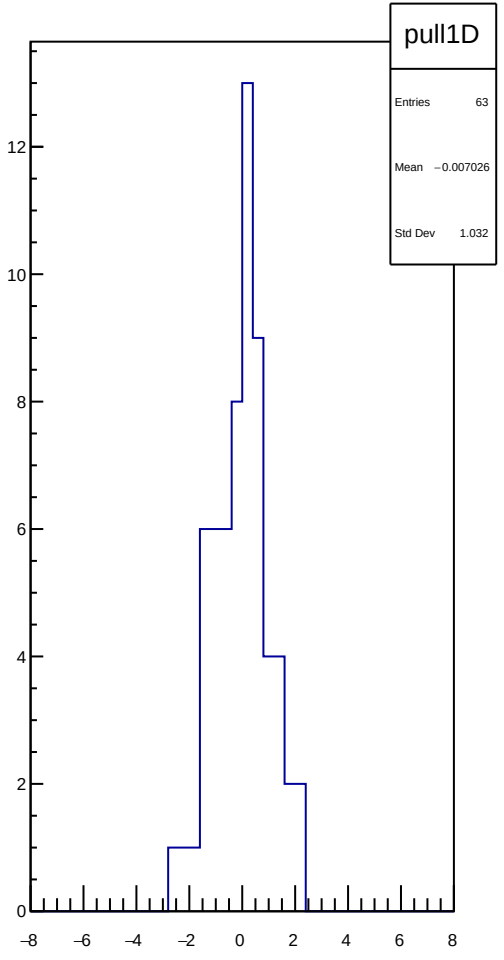

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.35e+05 / 62
p0 3.439e−11 ± 4.183e−14
0.3
0.25
0.2
0.15
0.1
0.05

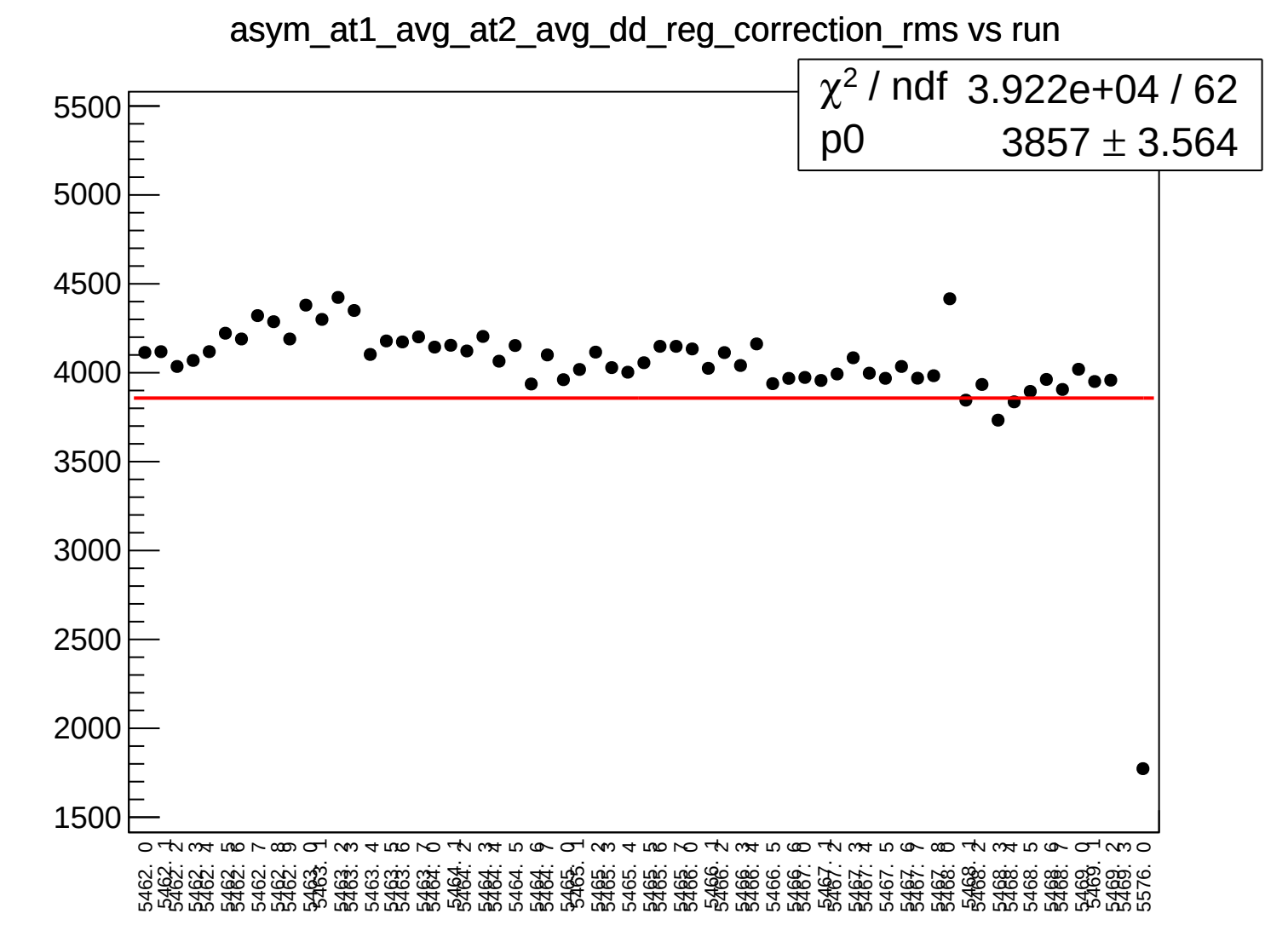

reg_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 70.34 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.7
Std Dev 0

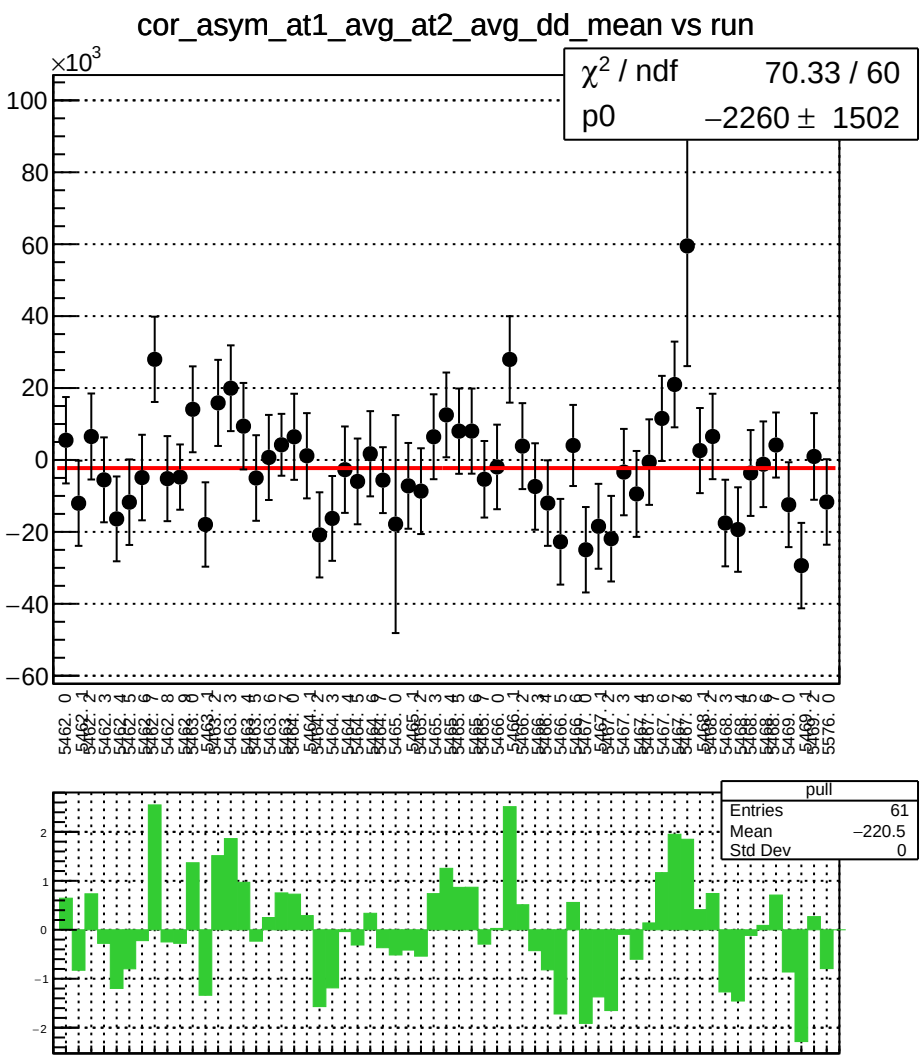

pull1D
Entries 61
Mean 0.0109
Std Dev 1.074

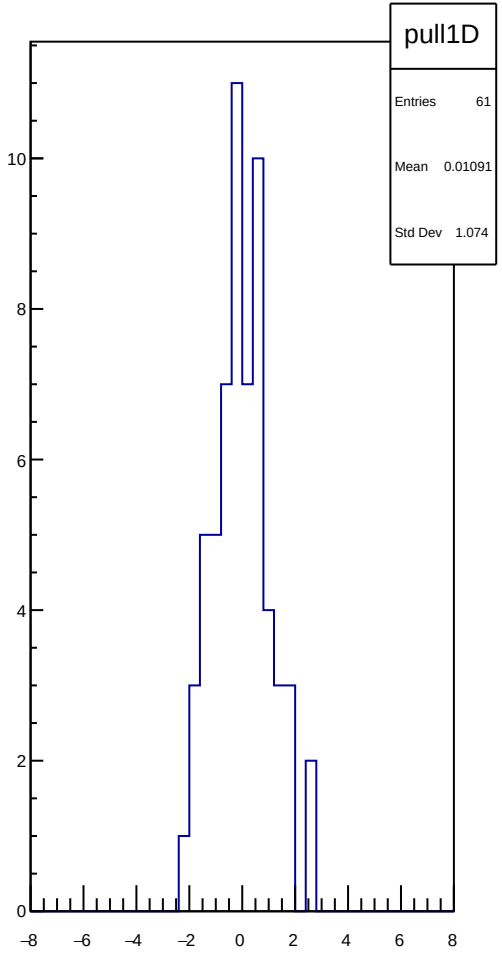

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000

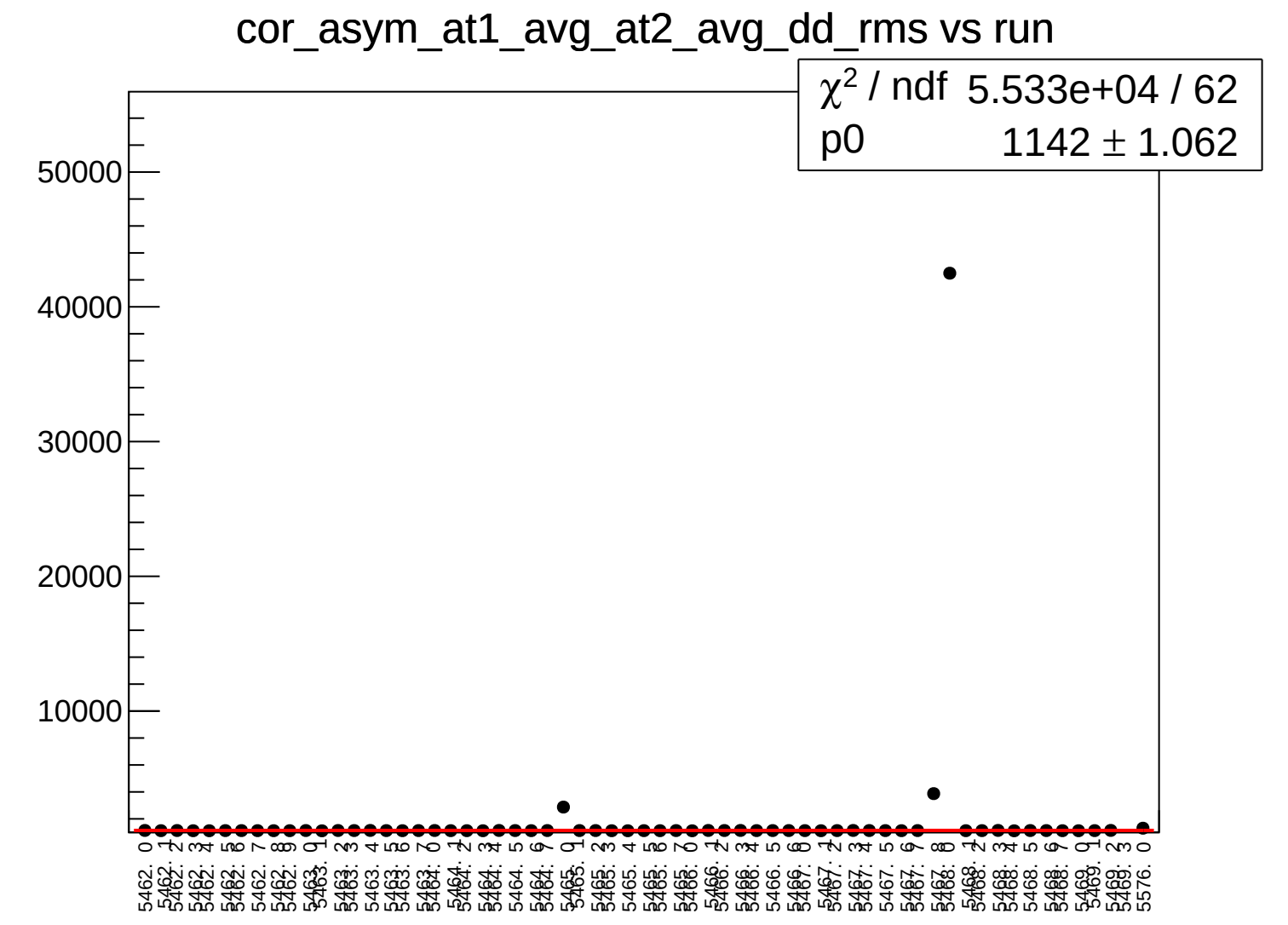

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 67.14 / 62
p0 2677 ± 5040
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 350
Std Dev 0
2
1
0
−1
−2

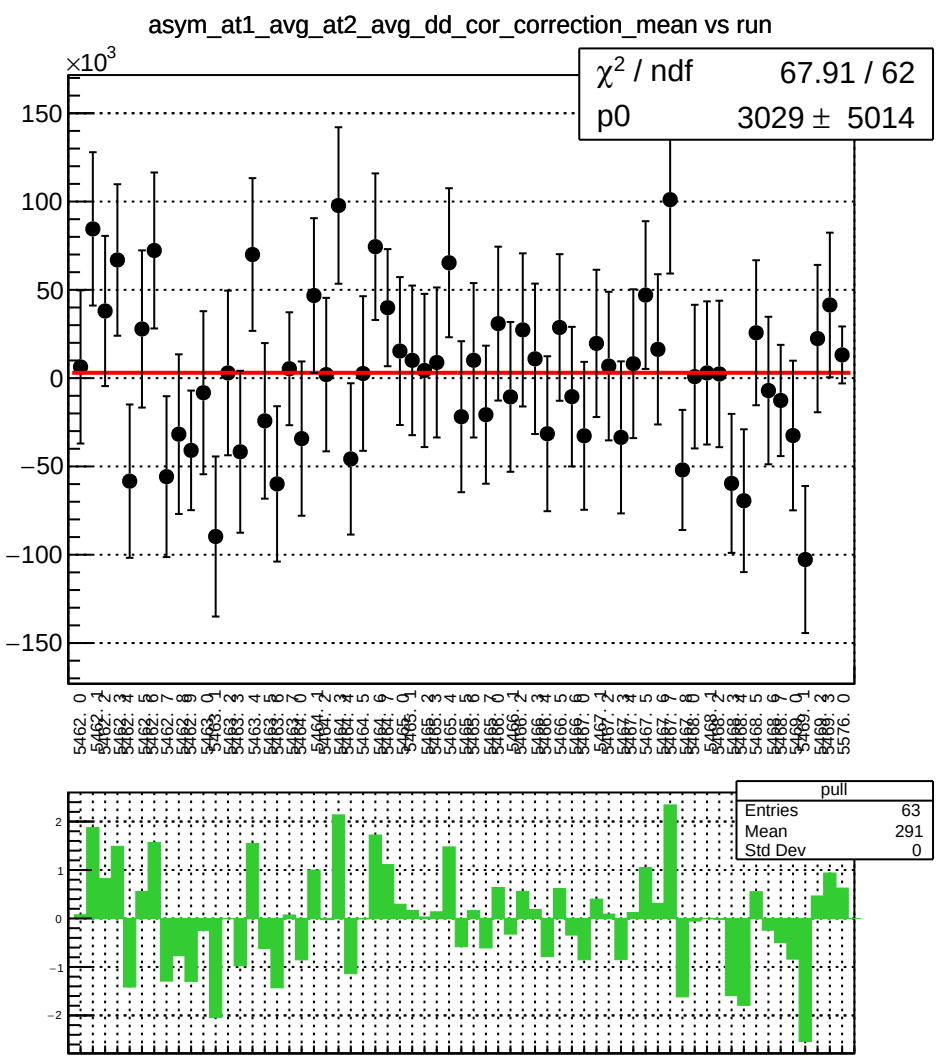

pull1D
Entries 63
Mean −0.007026
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

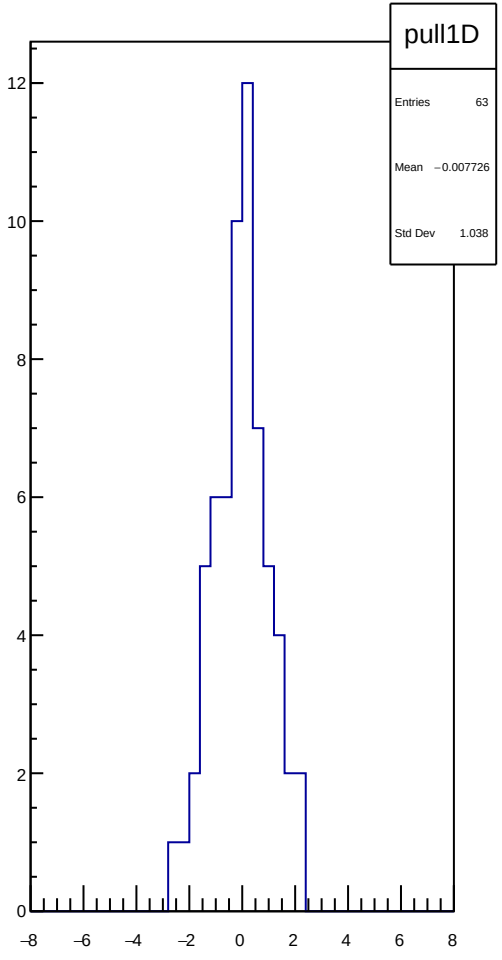

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 3.922e+04 / 62
p0 3857 ± 3.564
5500
5000
4500
4000
3500
3000
2500
2000
1500

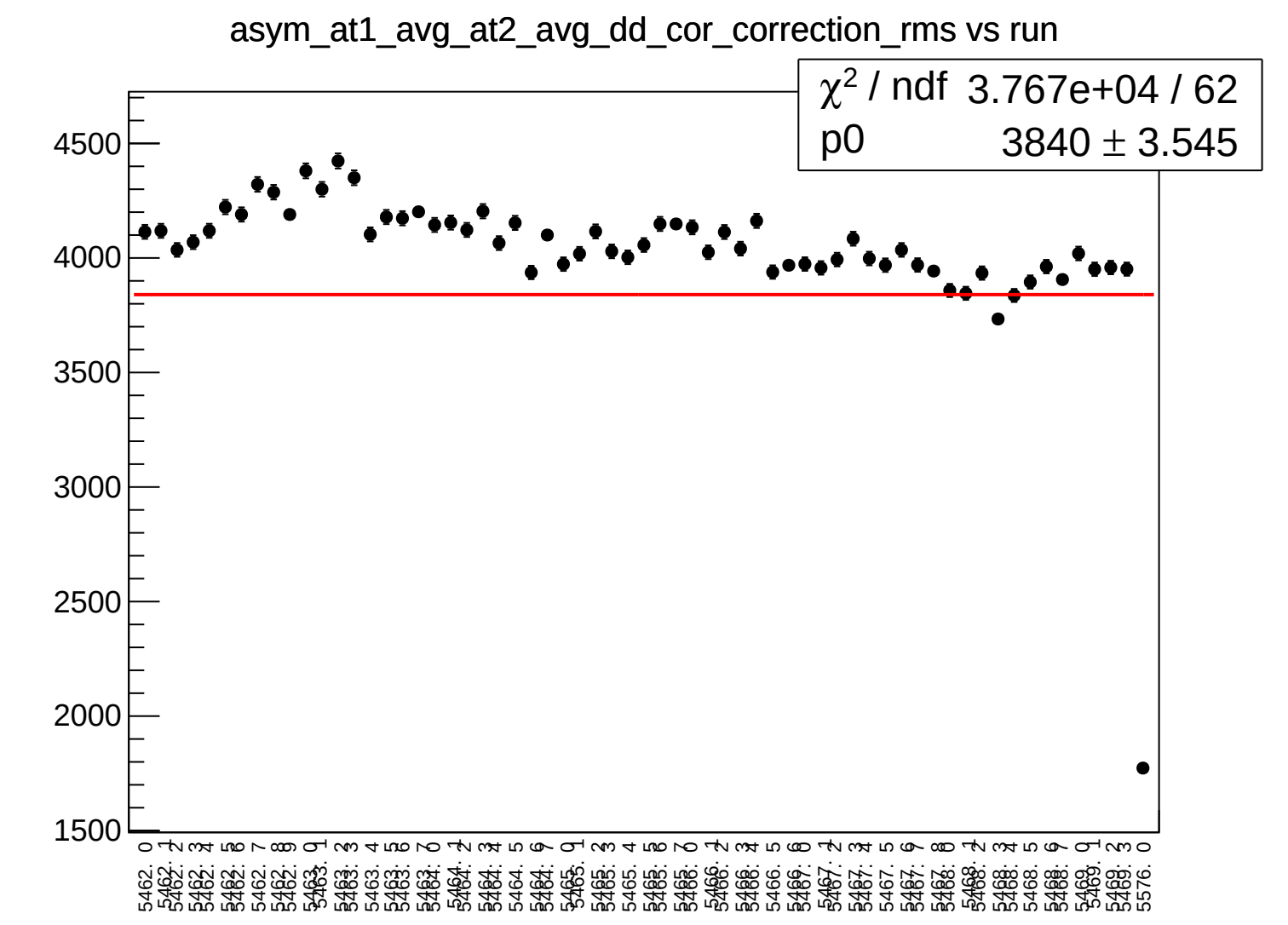

cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0

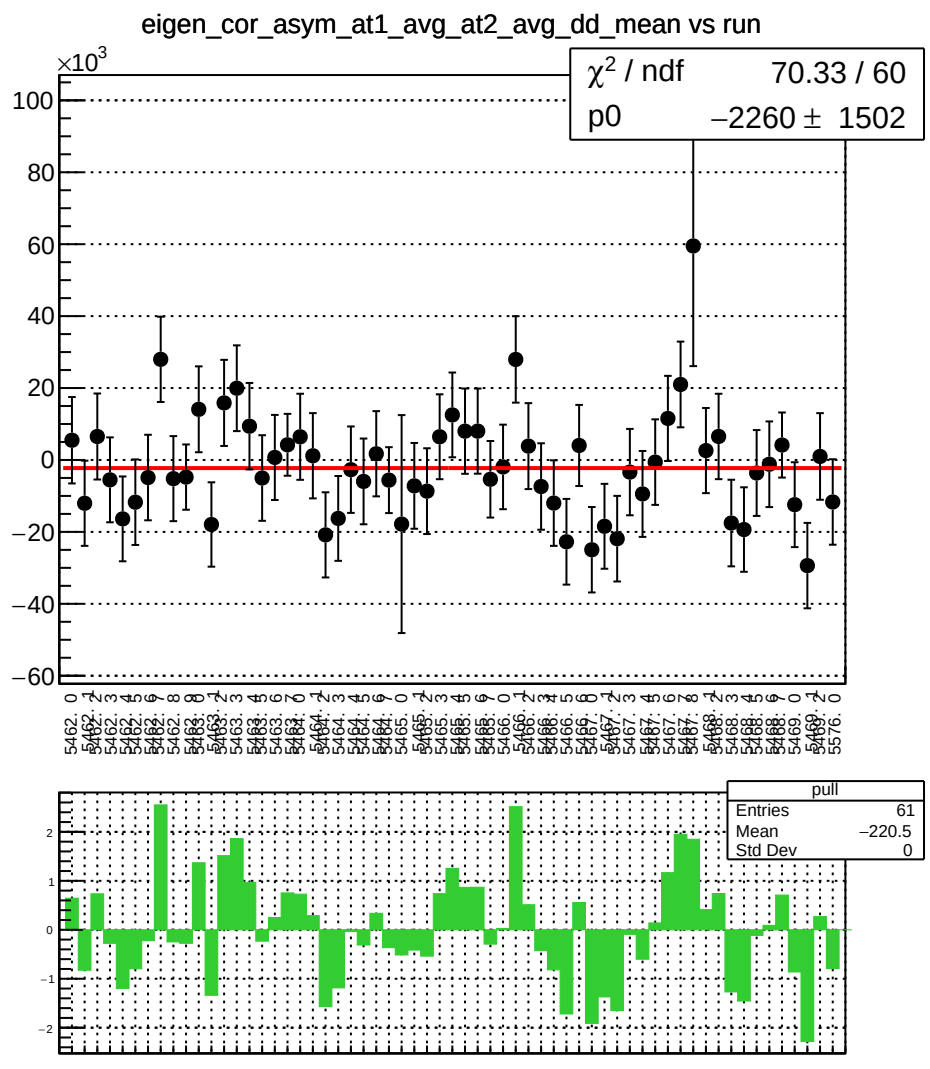

pull1D
Entries 61
Mean 0.01091
Std Dev 1.074

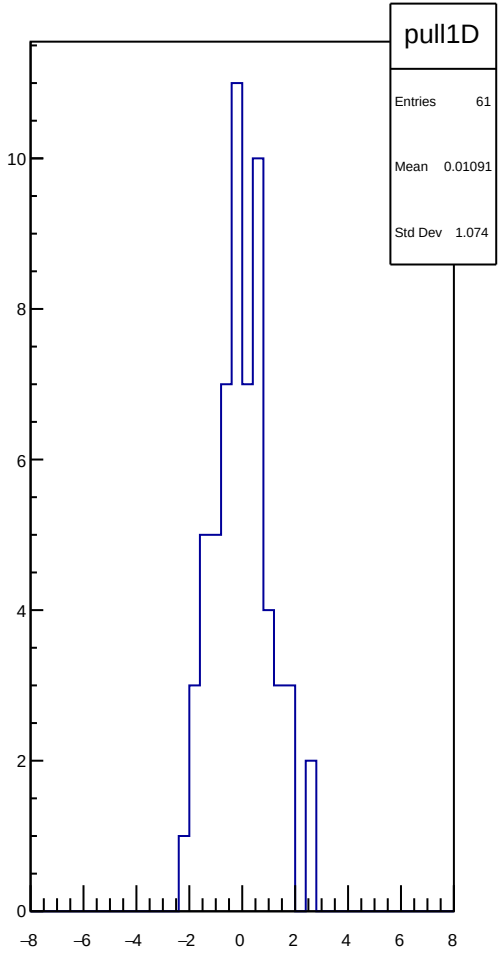

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

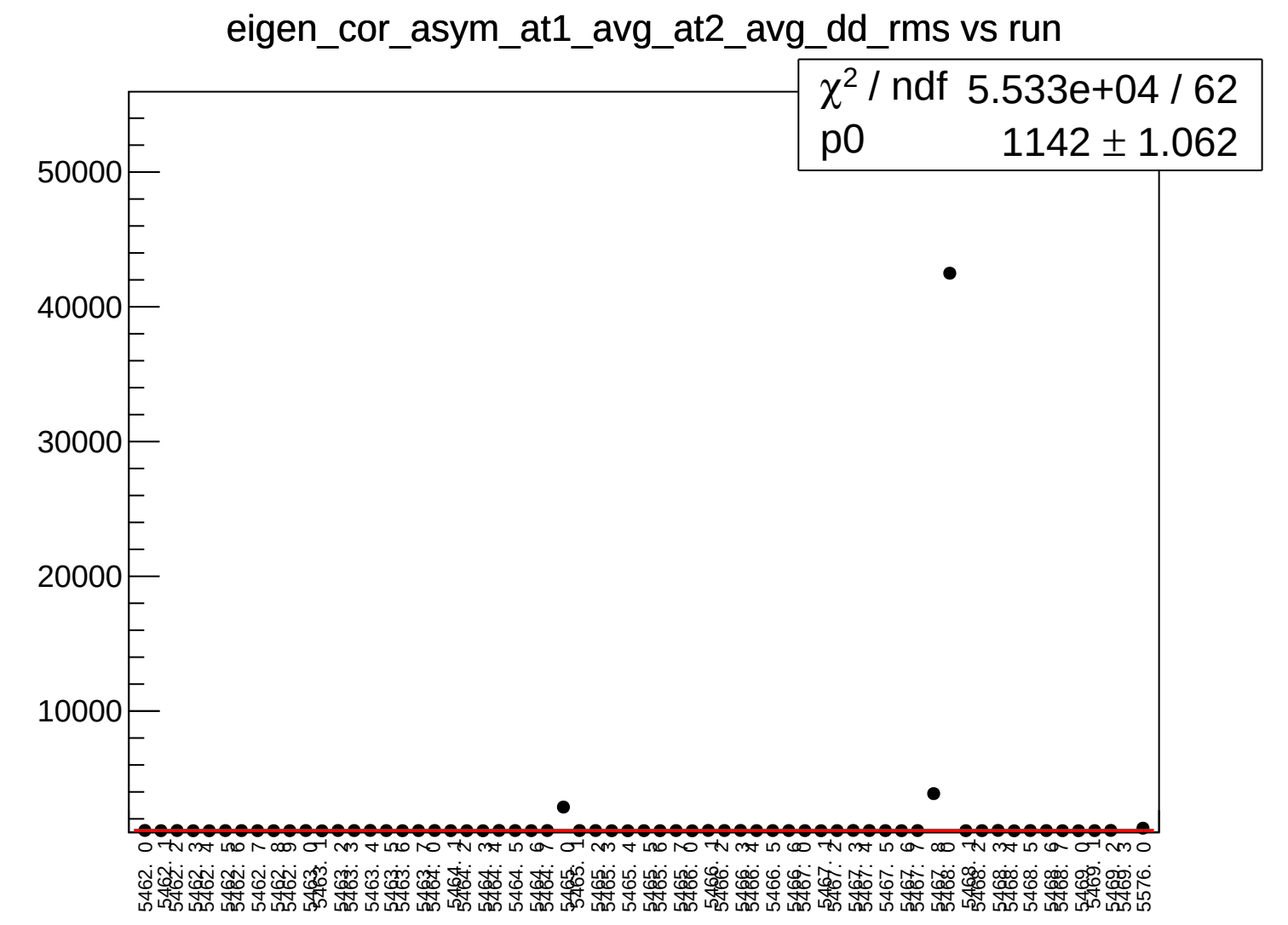

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2

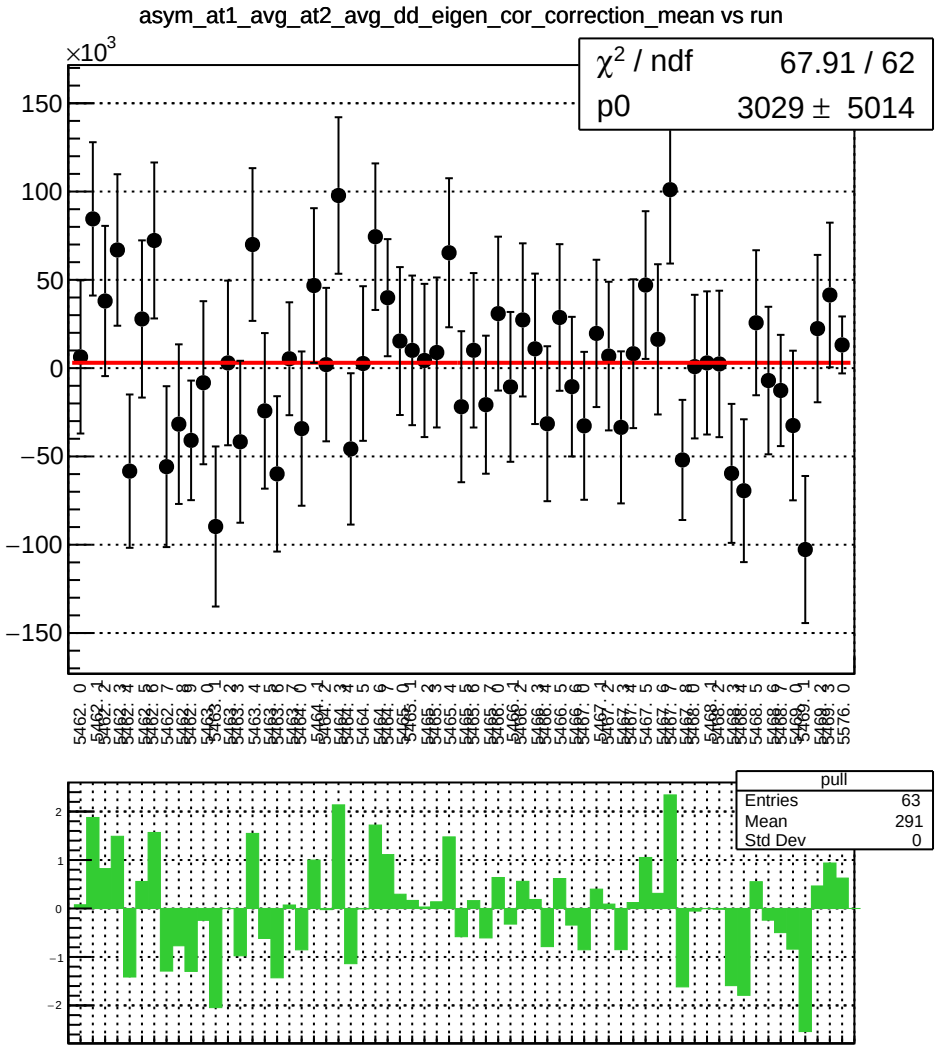

pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

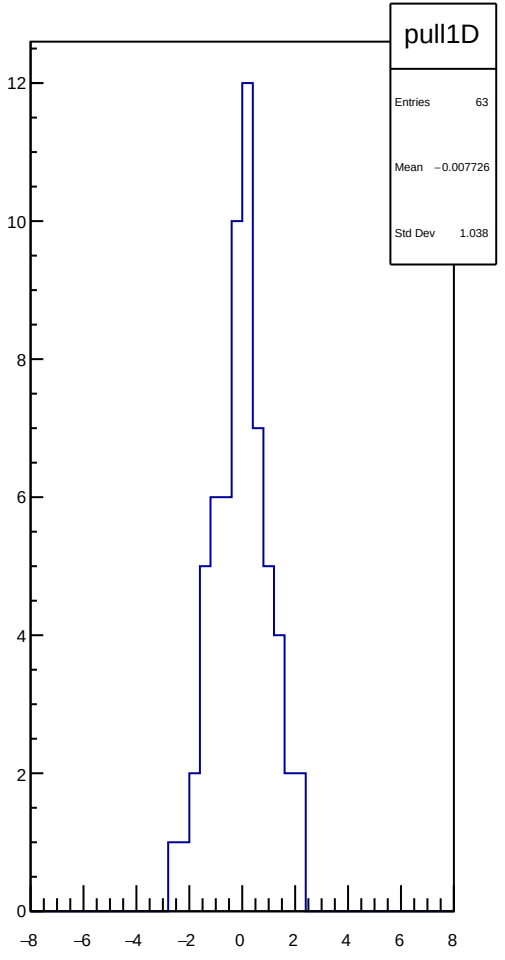

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500

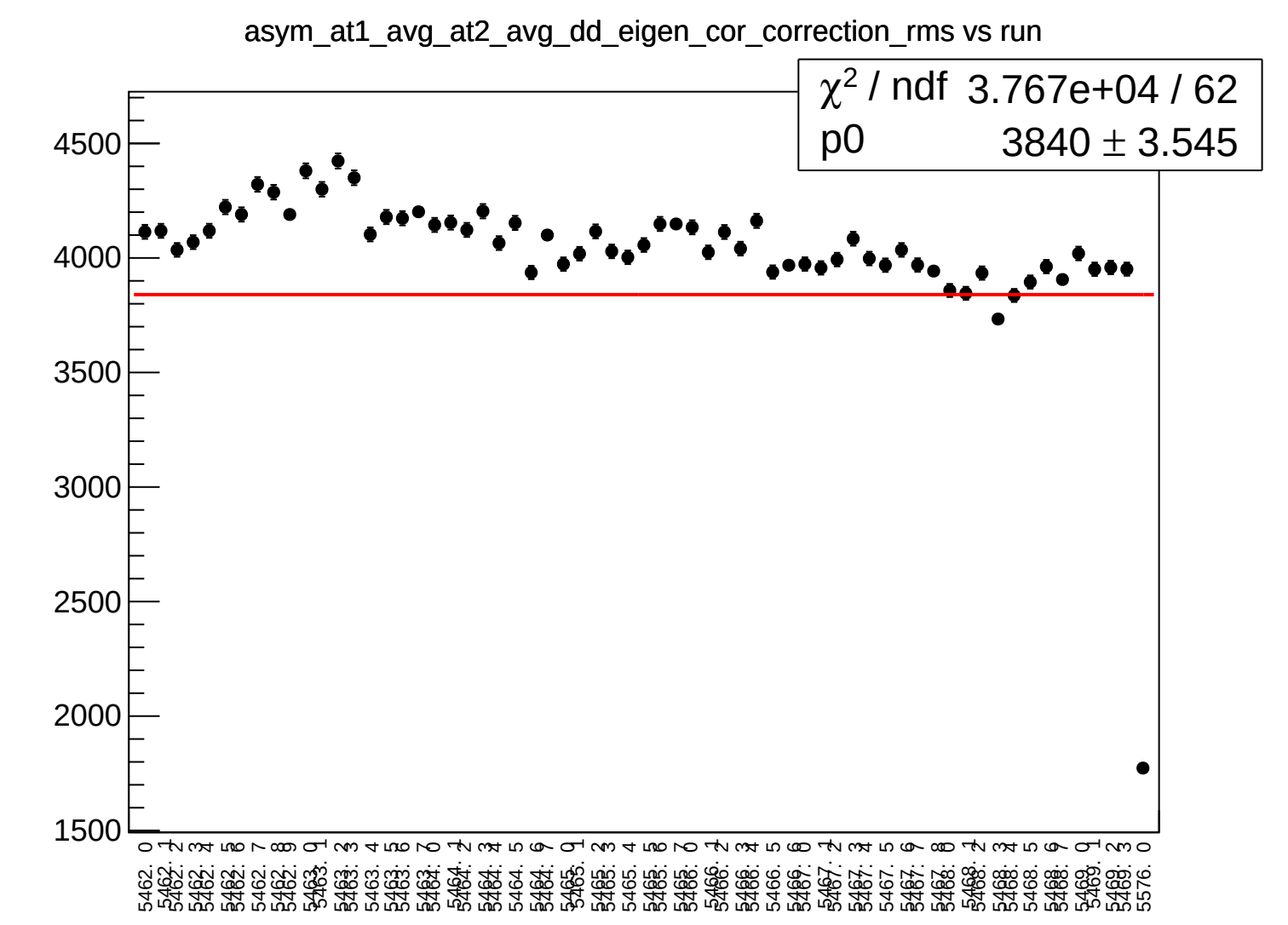

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0

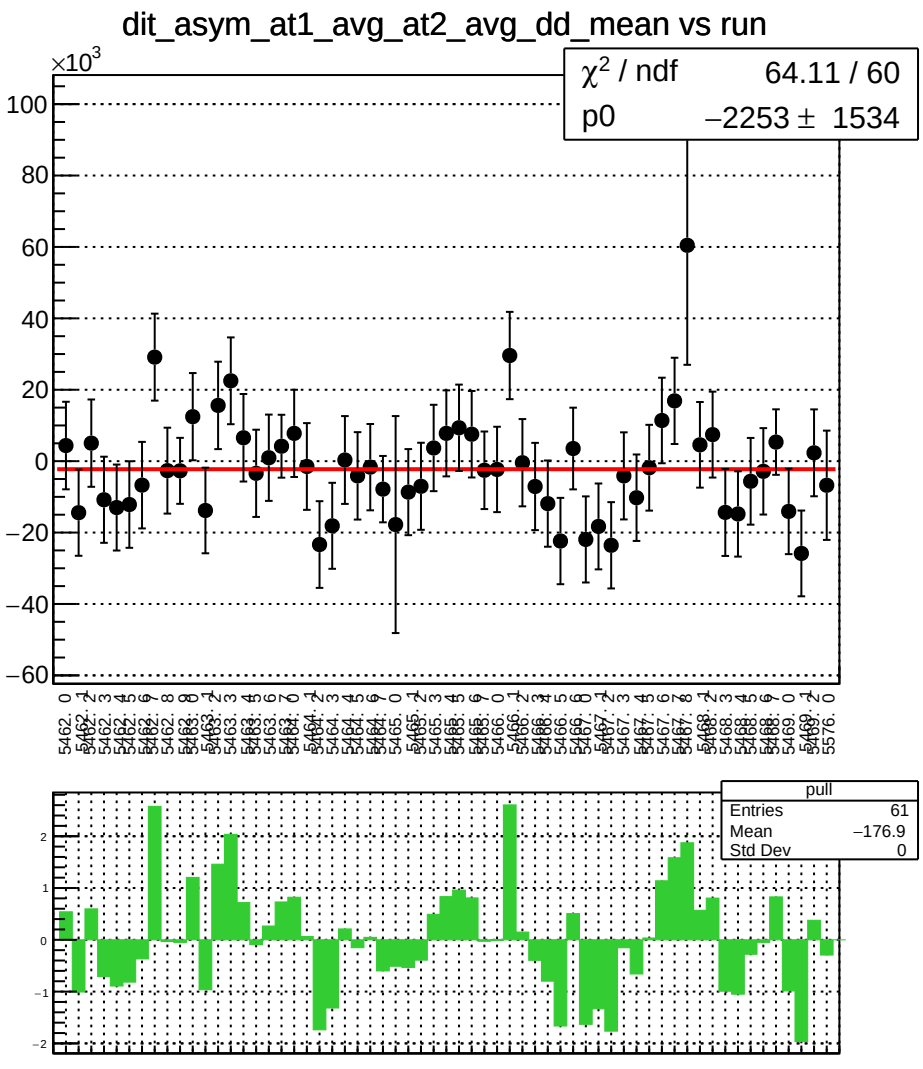

pull1D
Entries 61
Mean 0.01091
Std Dev 1.074

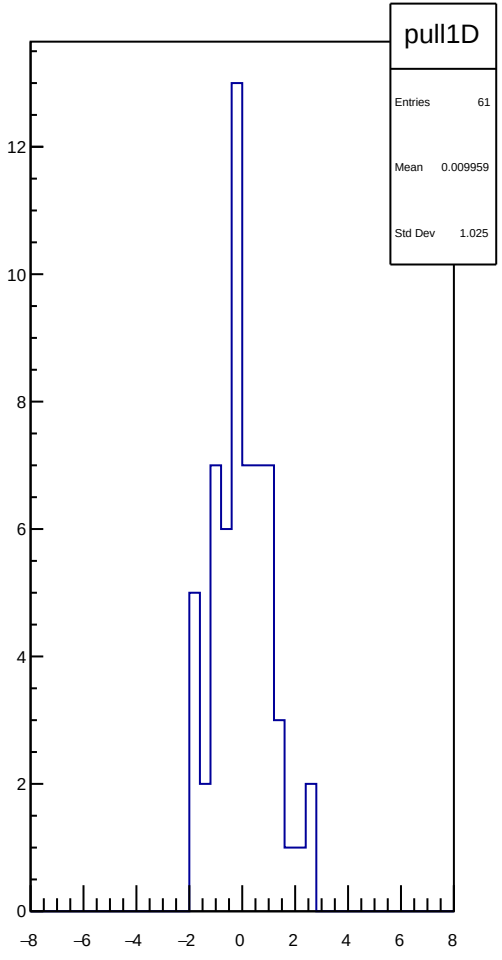

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

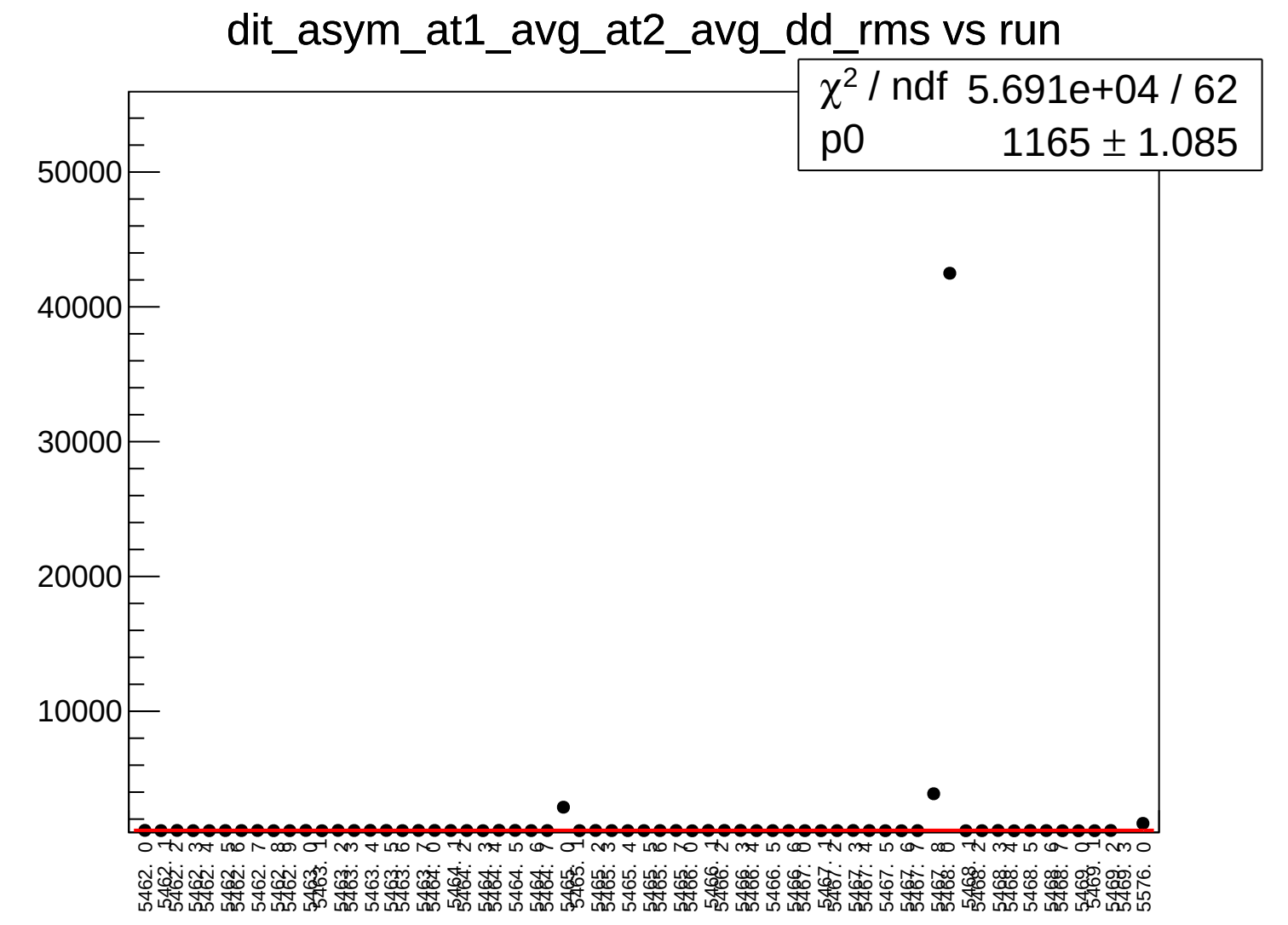

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2

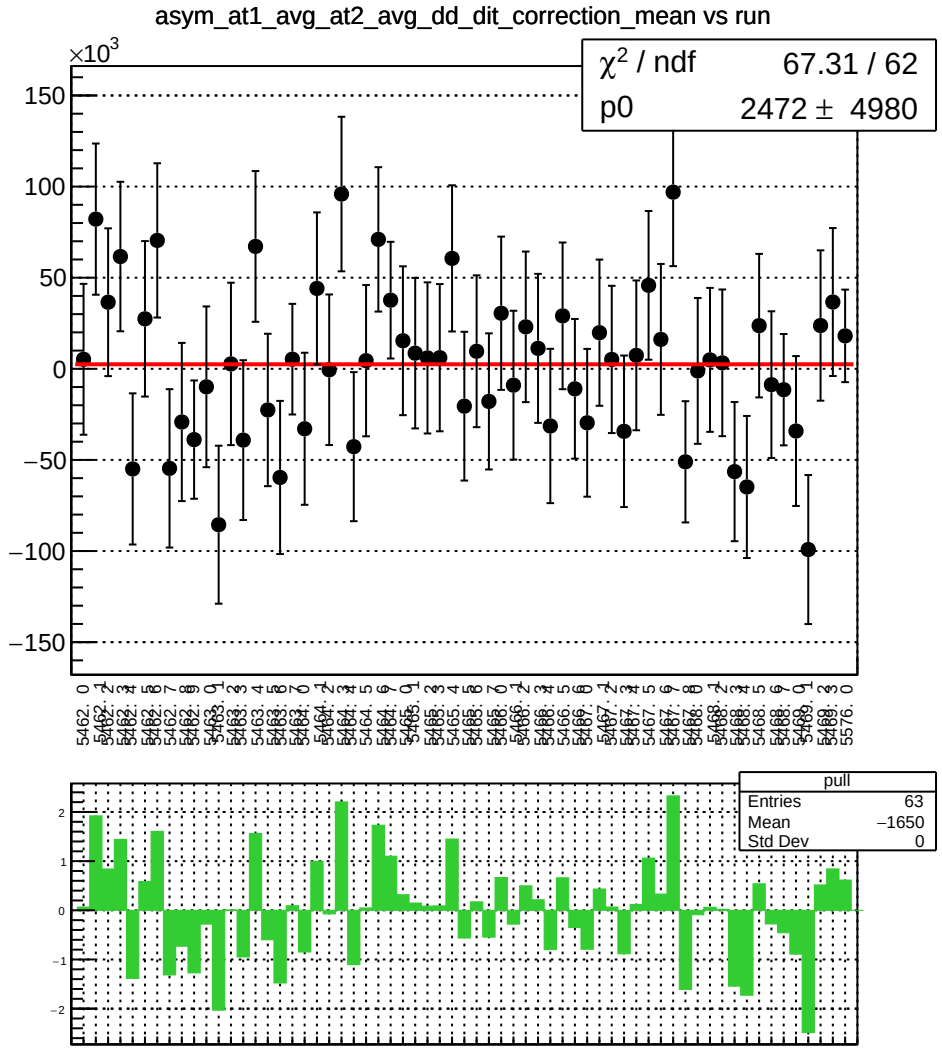

pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

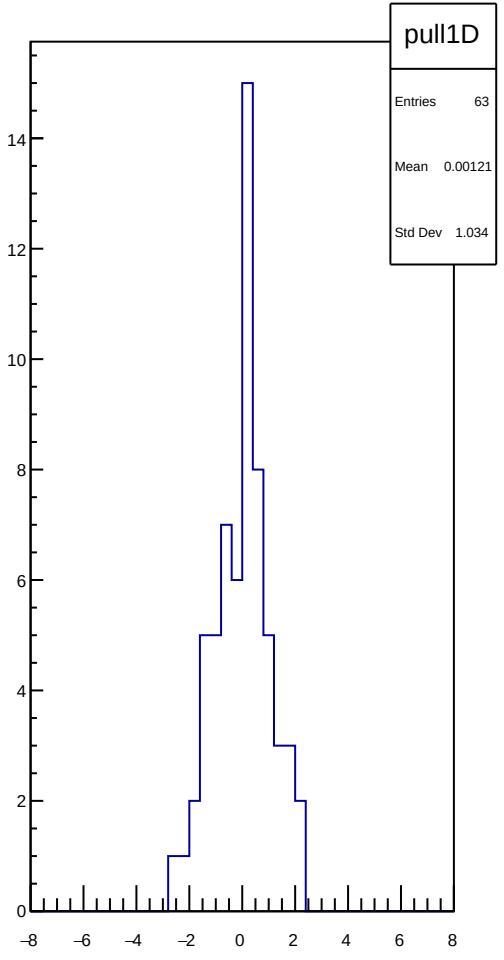

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500

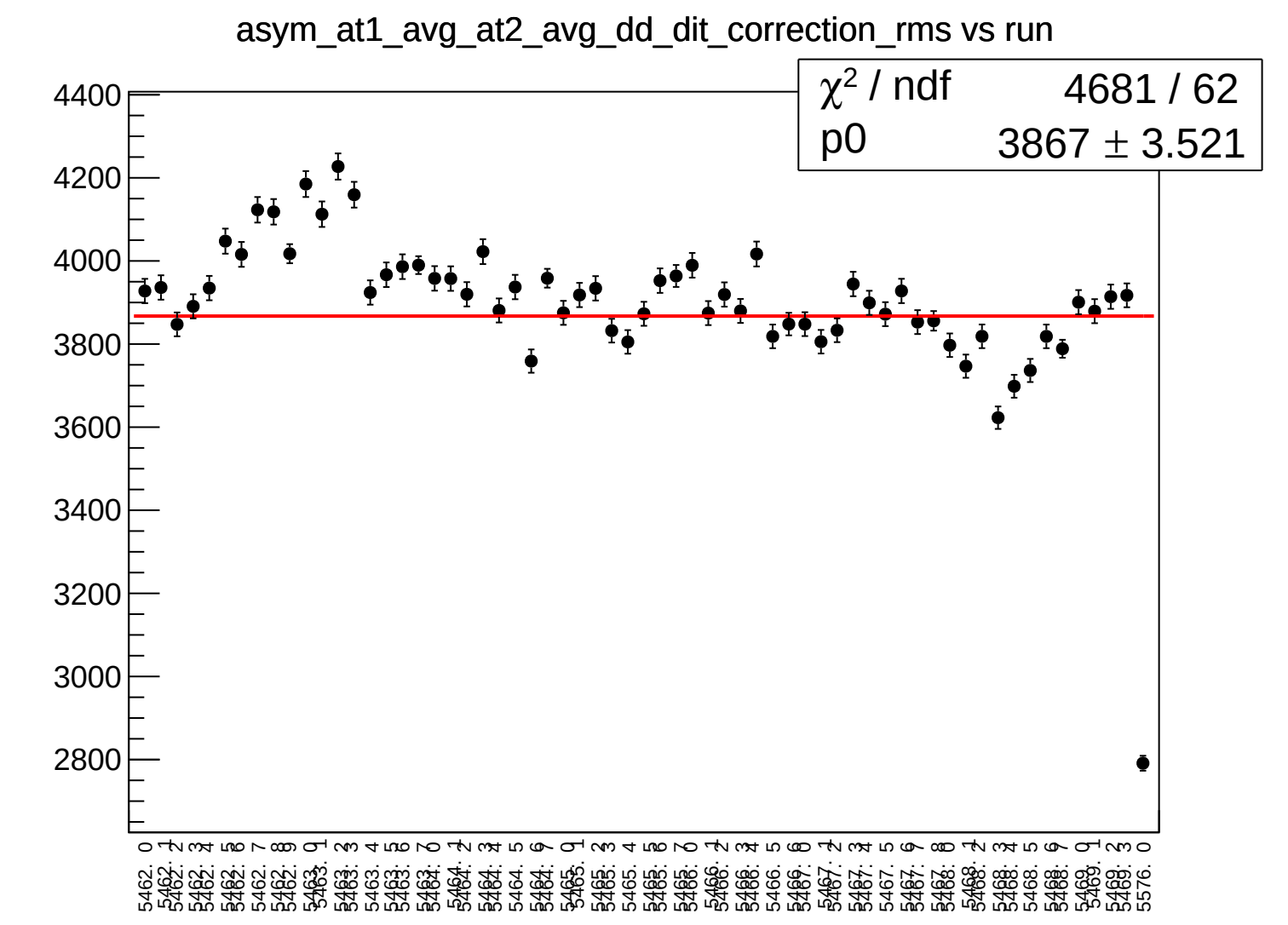

dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0

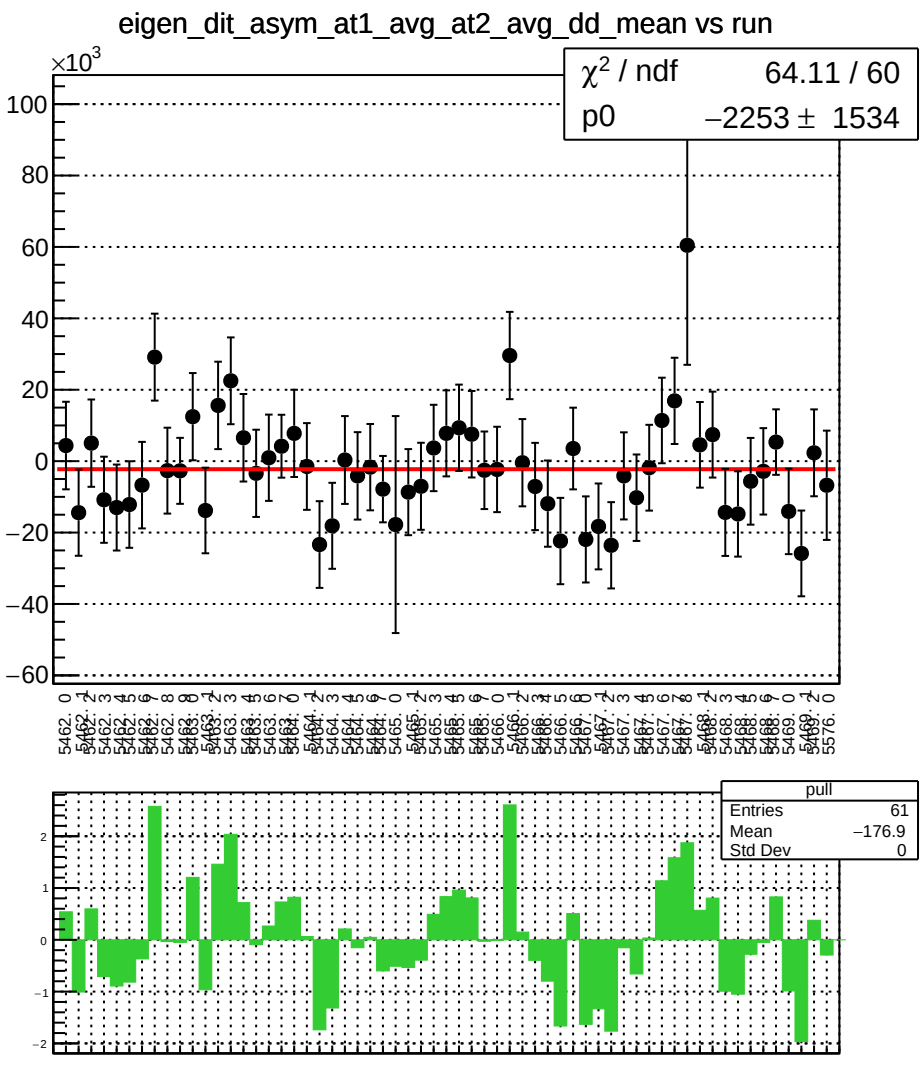

pull1D
Entries 61
Mean 0.009959
Std Dev 1.025

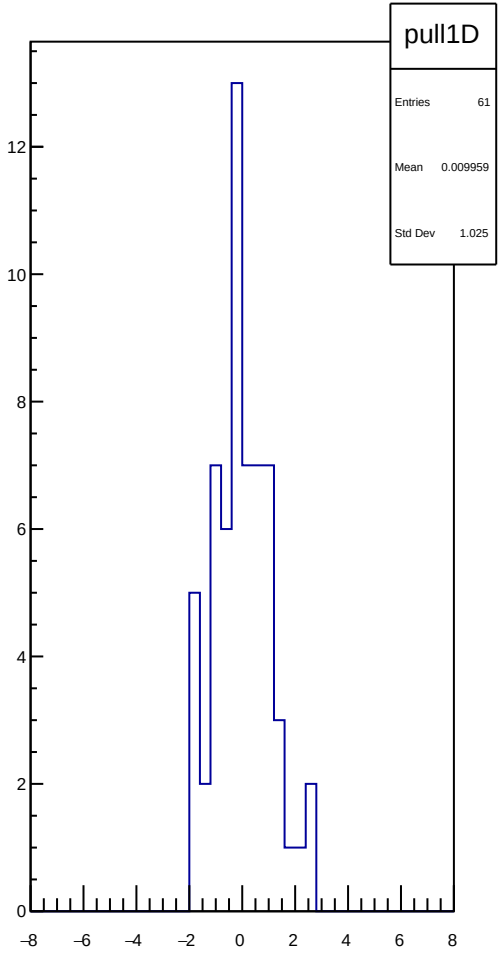

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ^2 / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000

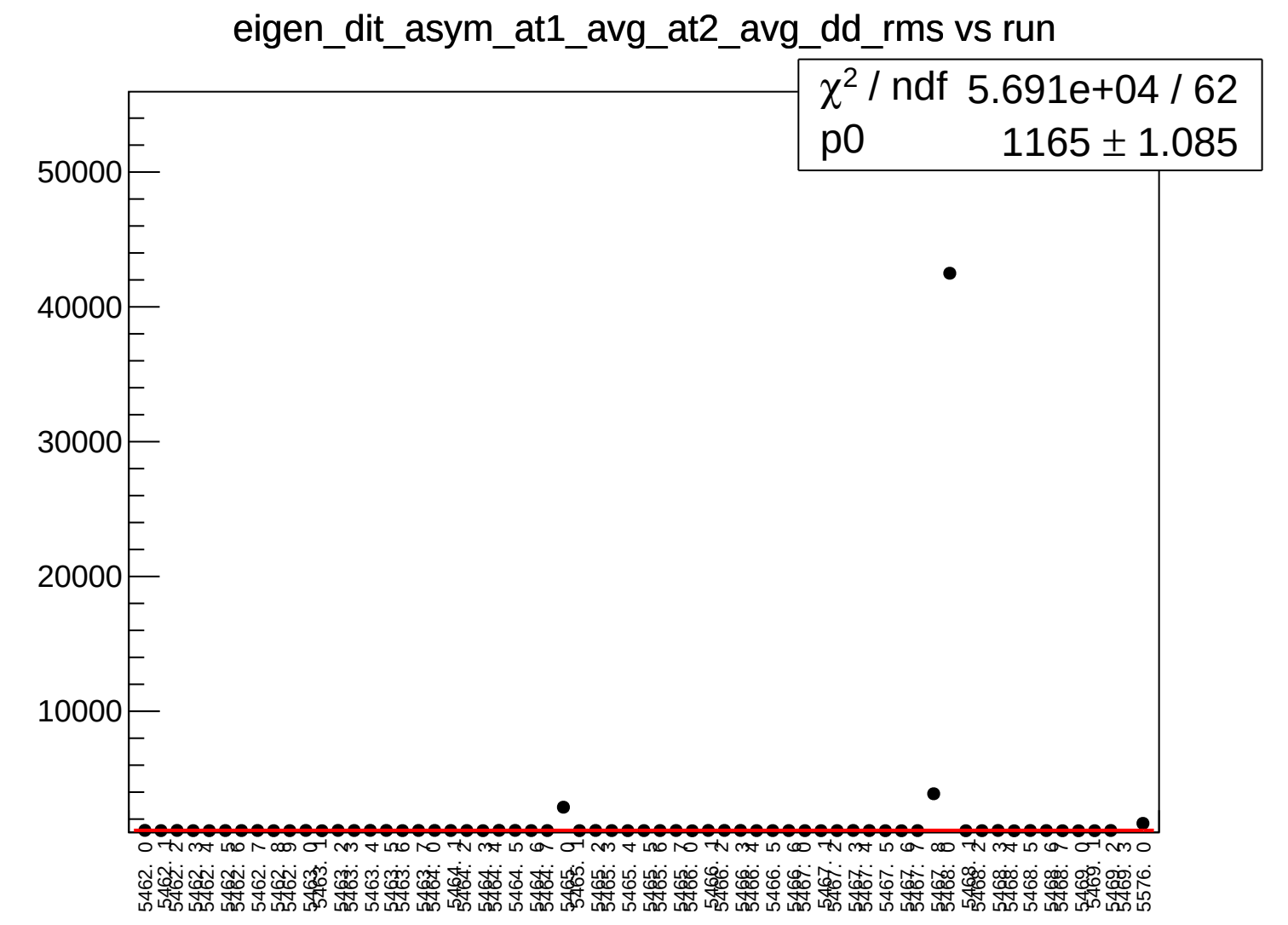

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2

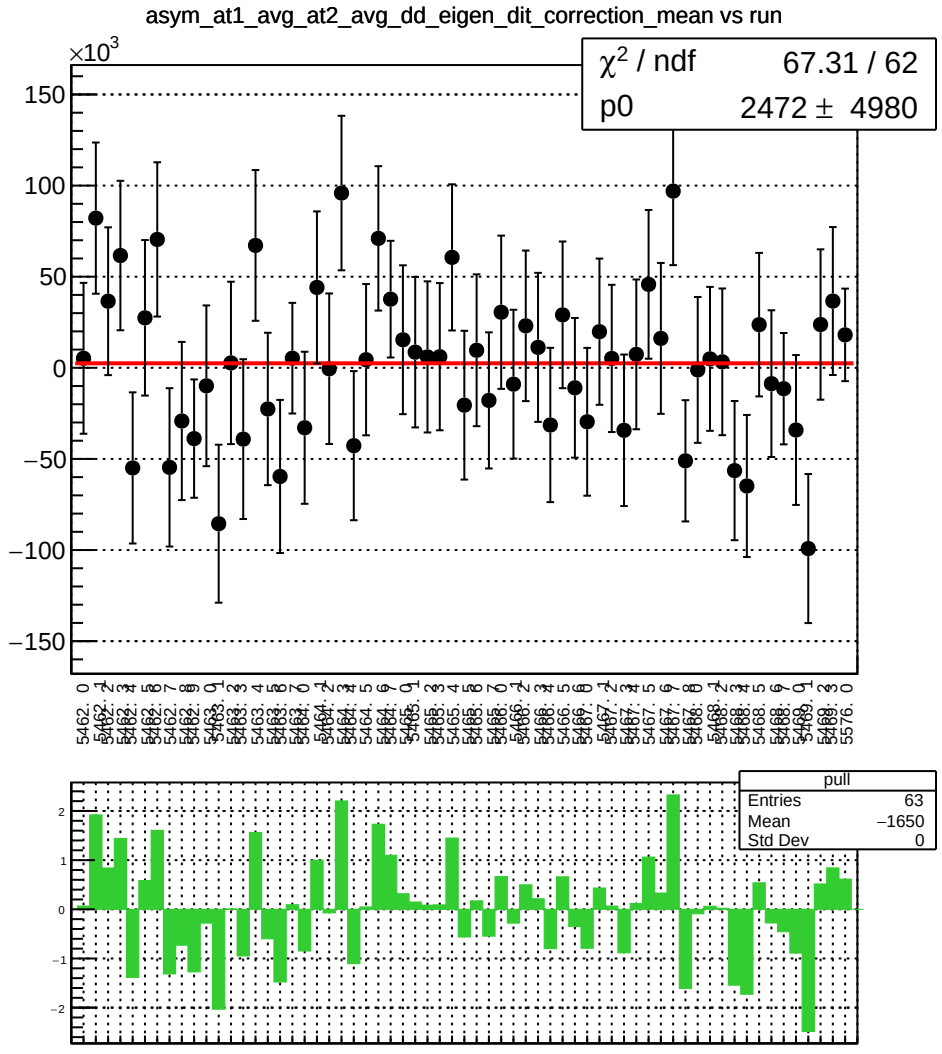

pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

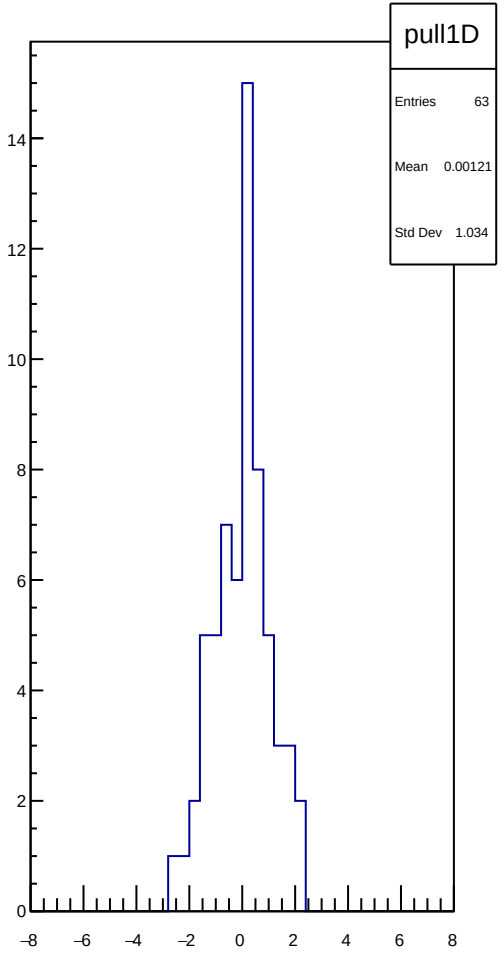

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 4681 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800

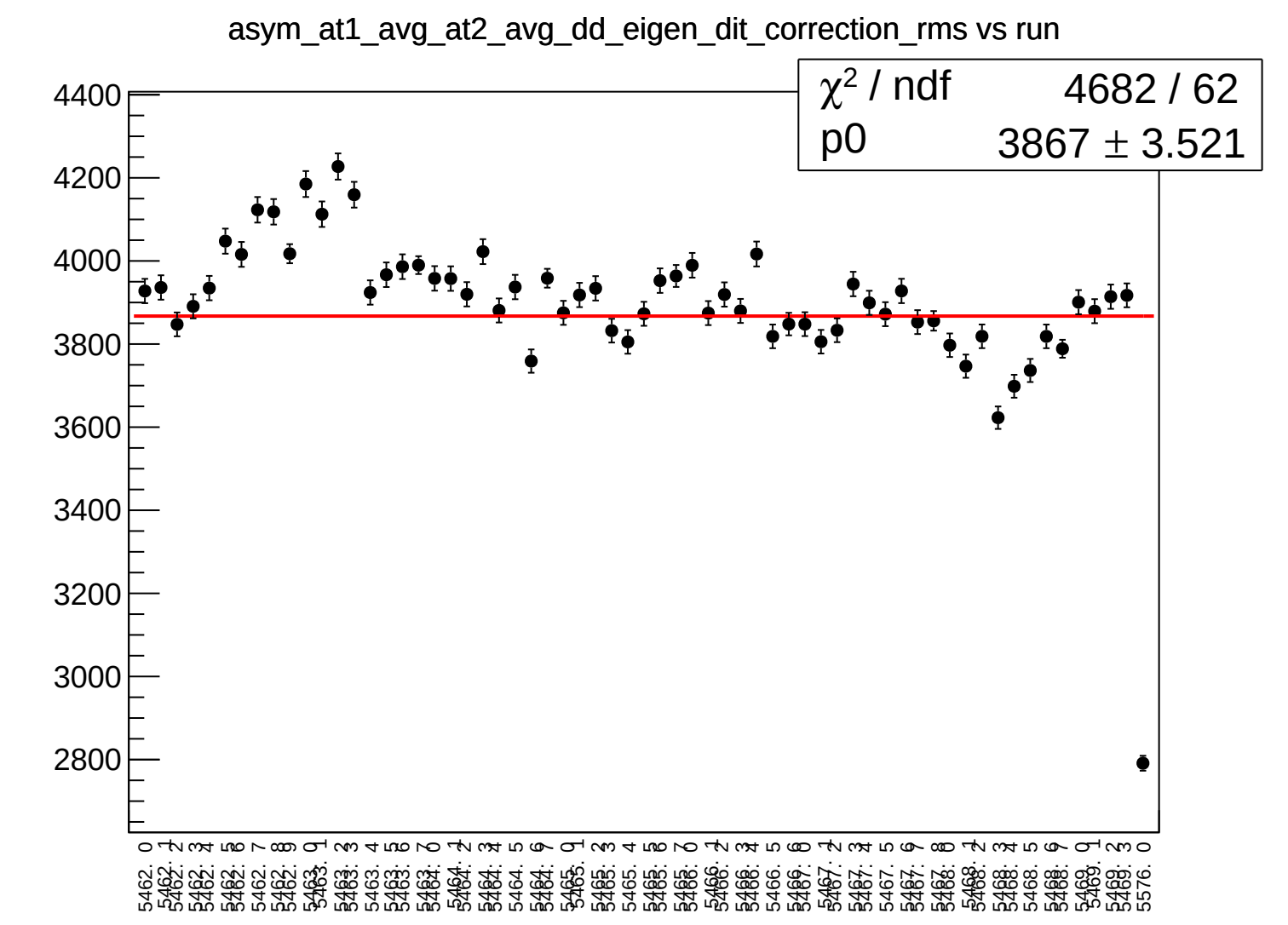

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0

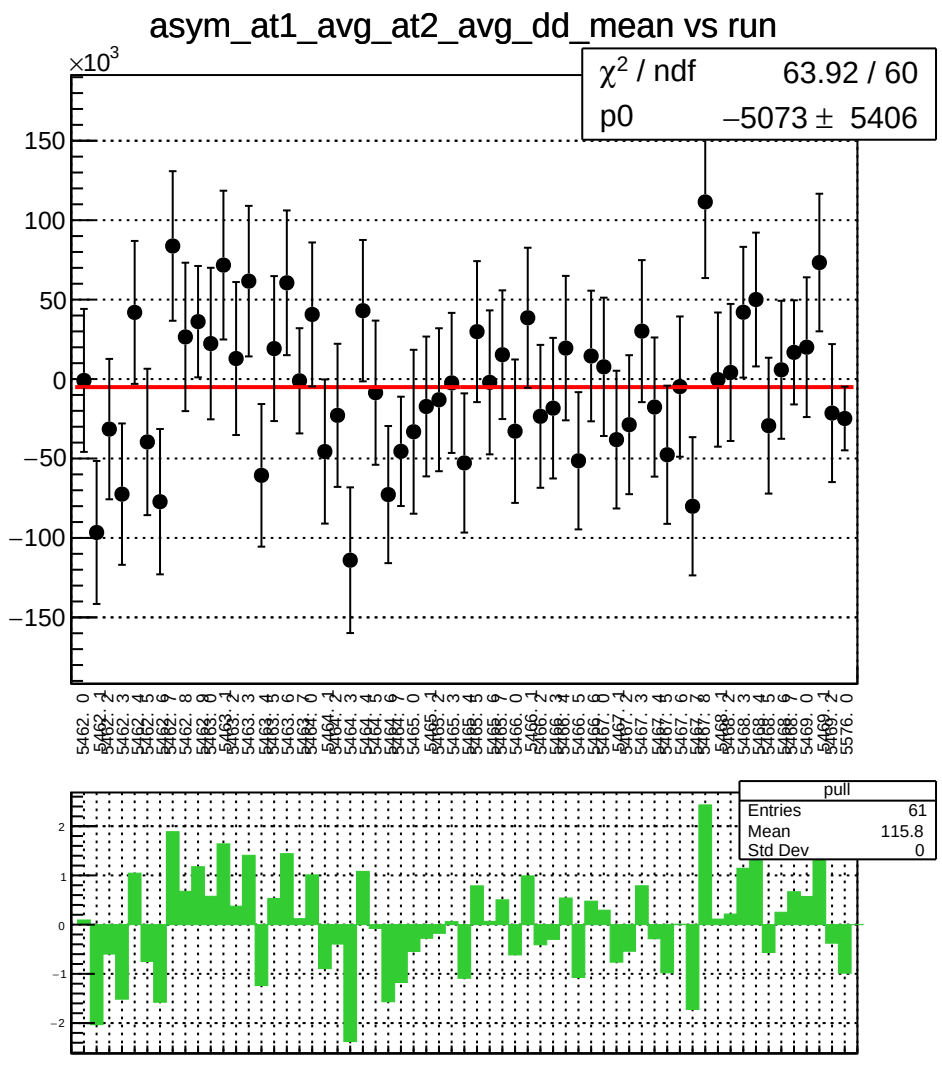

pull1D
Entries 61
Mean 0.009959
Std Dev 1.025

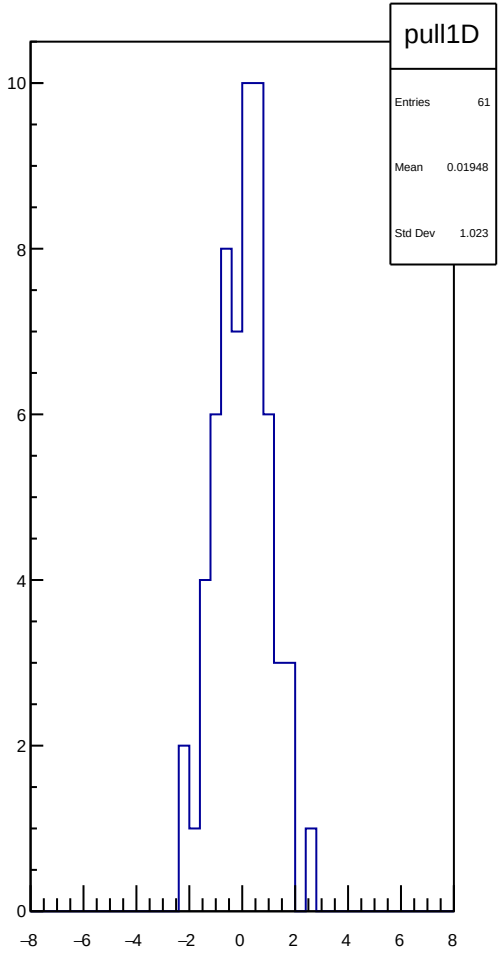

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000

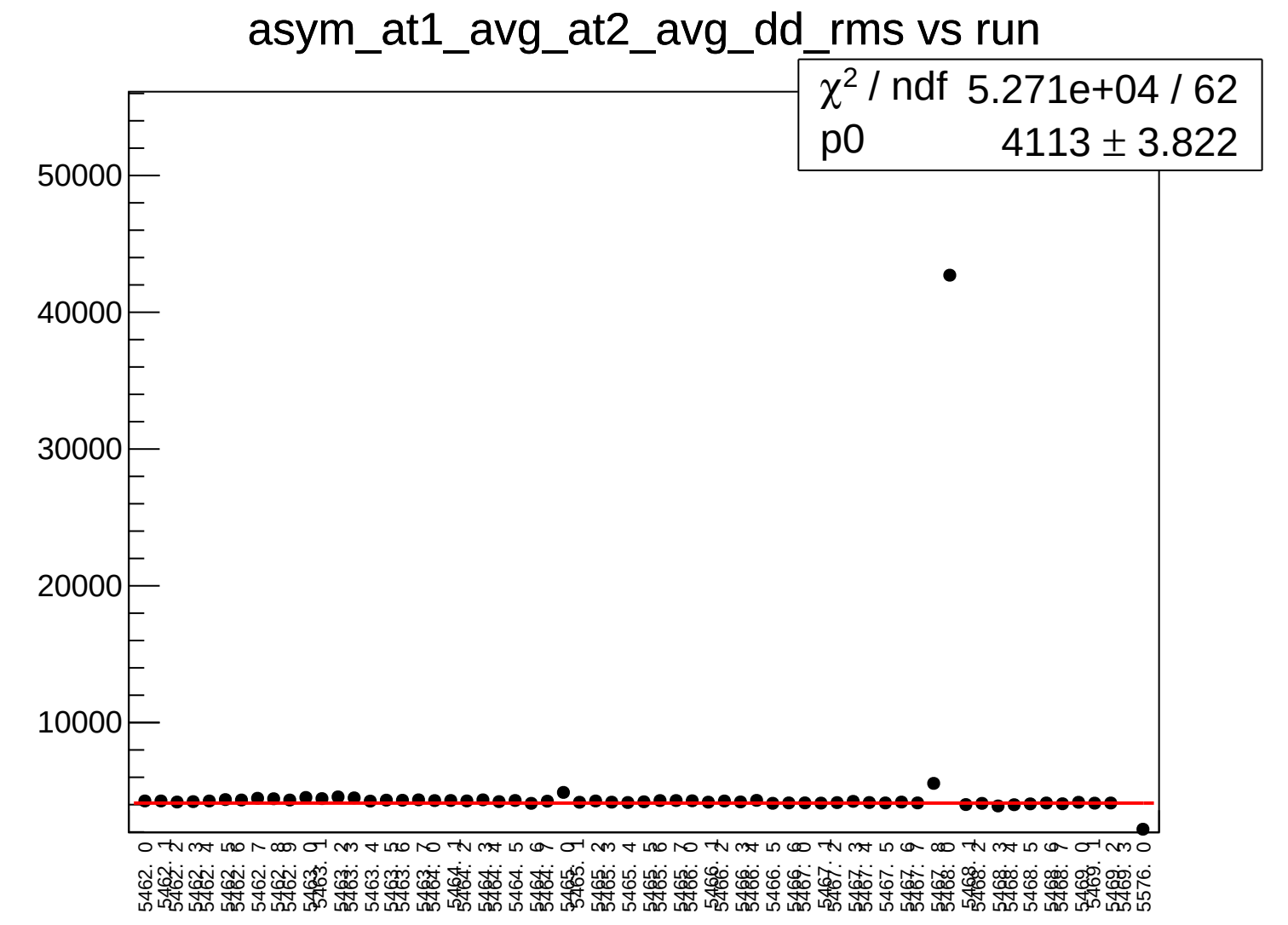

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2

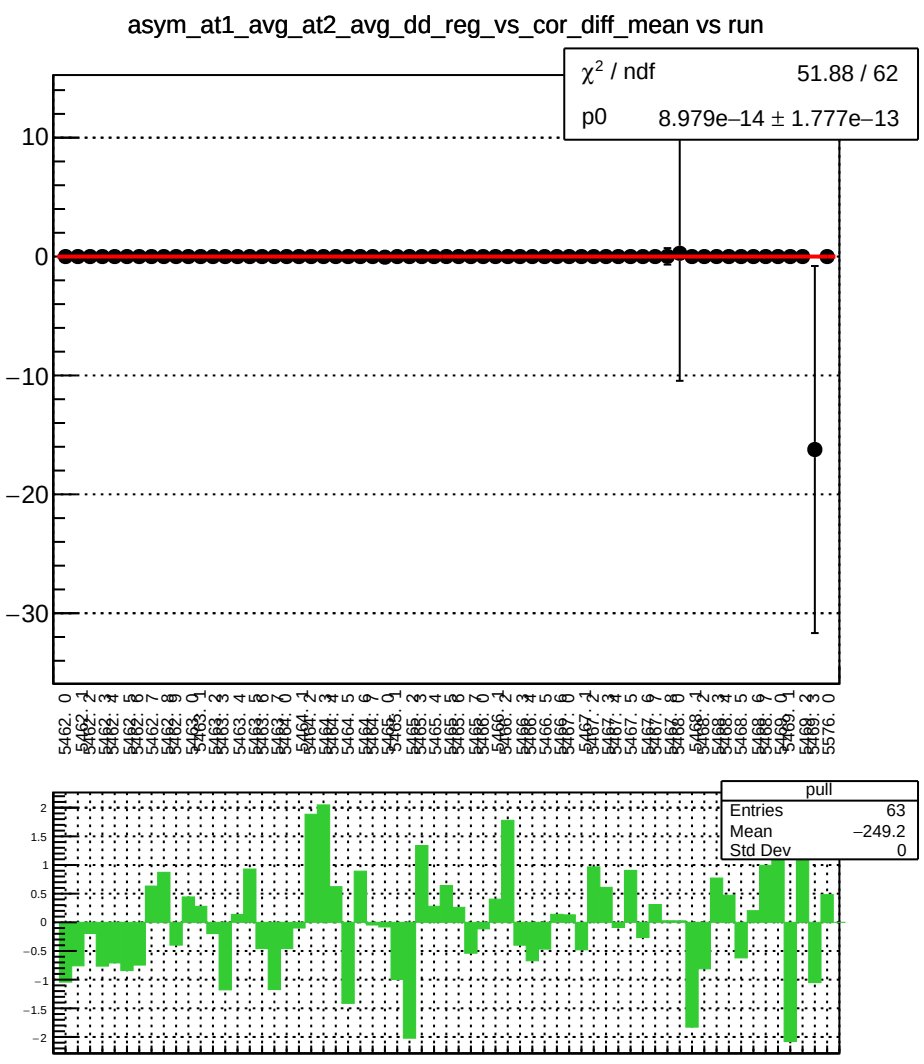

pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

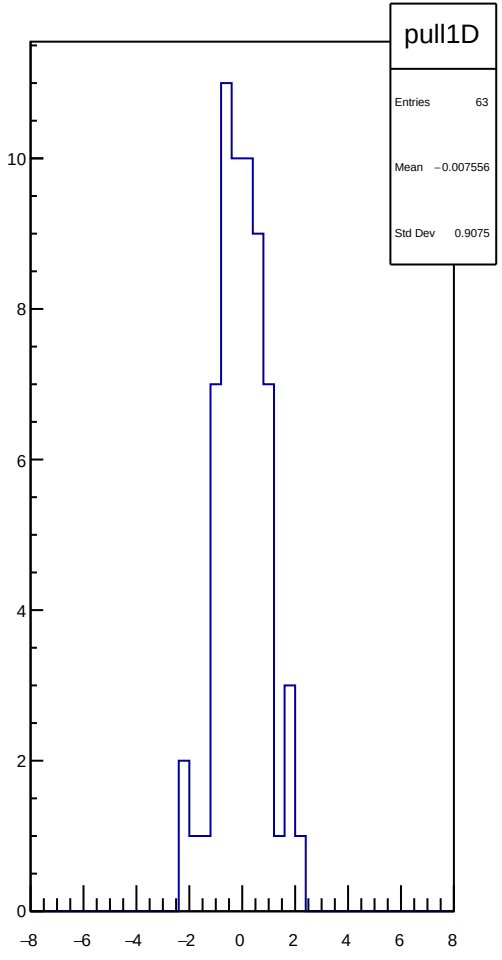

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4682 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800

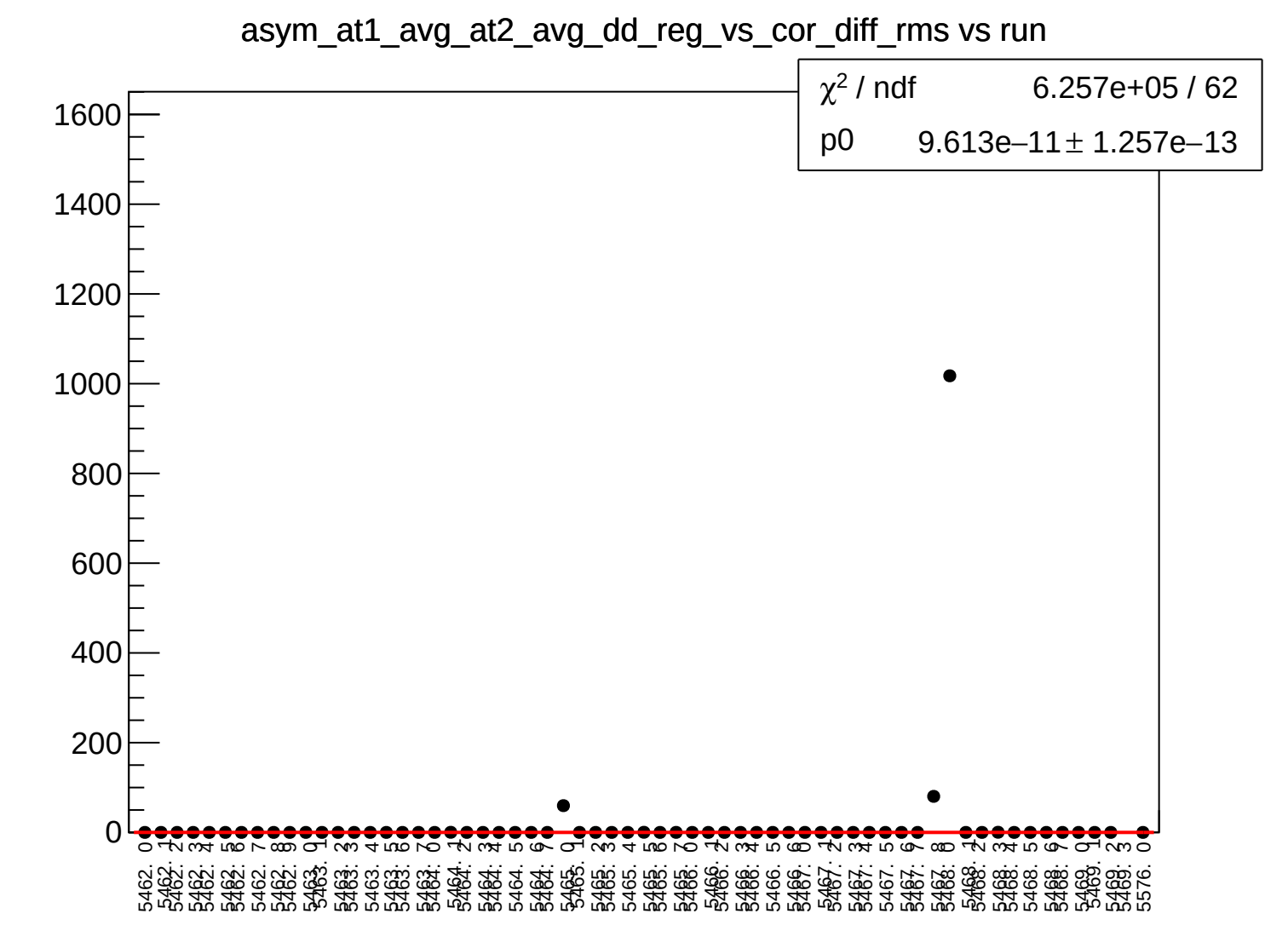

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 63.92 / 60
p0 −5073 ± 5406
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 115.8
Std Dev 0
2
1
0
−1
−2

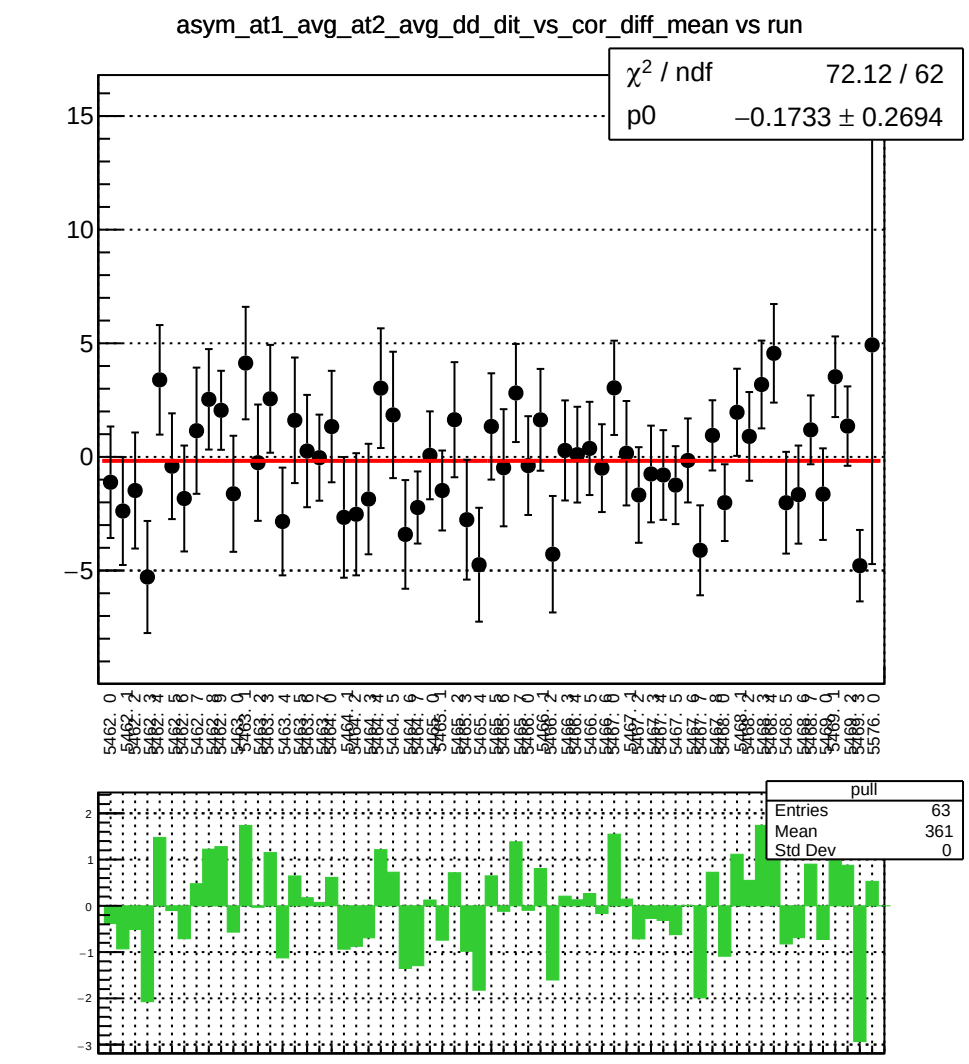

pull1D
Entries 61
Mean 0.01948
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

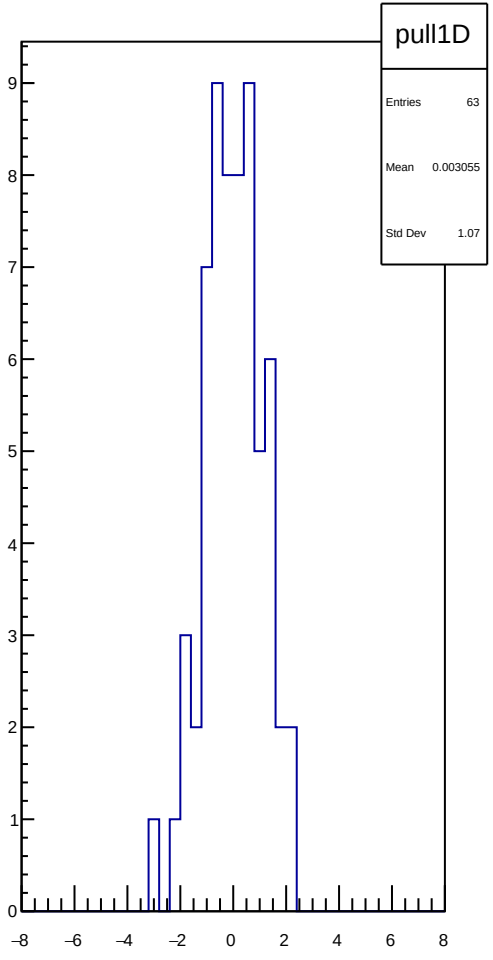

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 5.271e+04 / 62
p0 4113 ± 3.822
50000
40000
30000
20000
10000

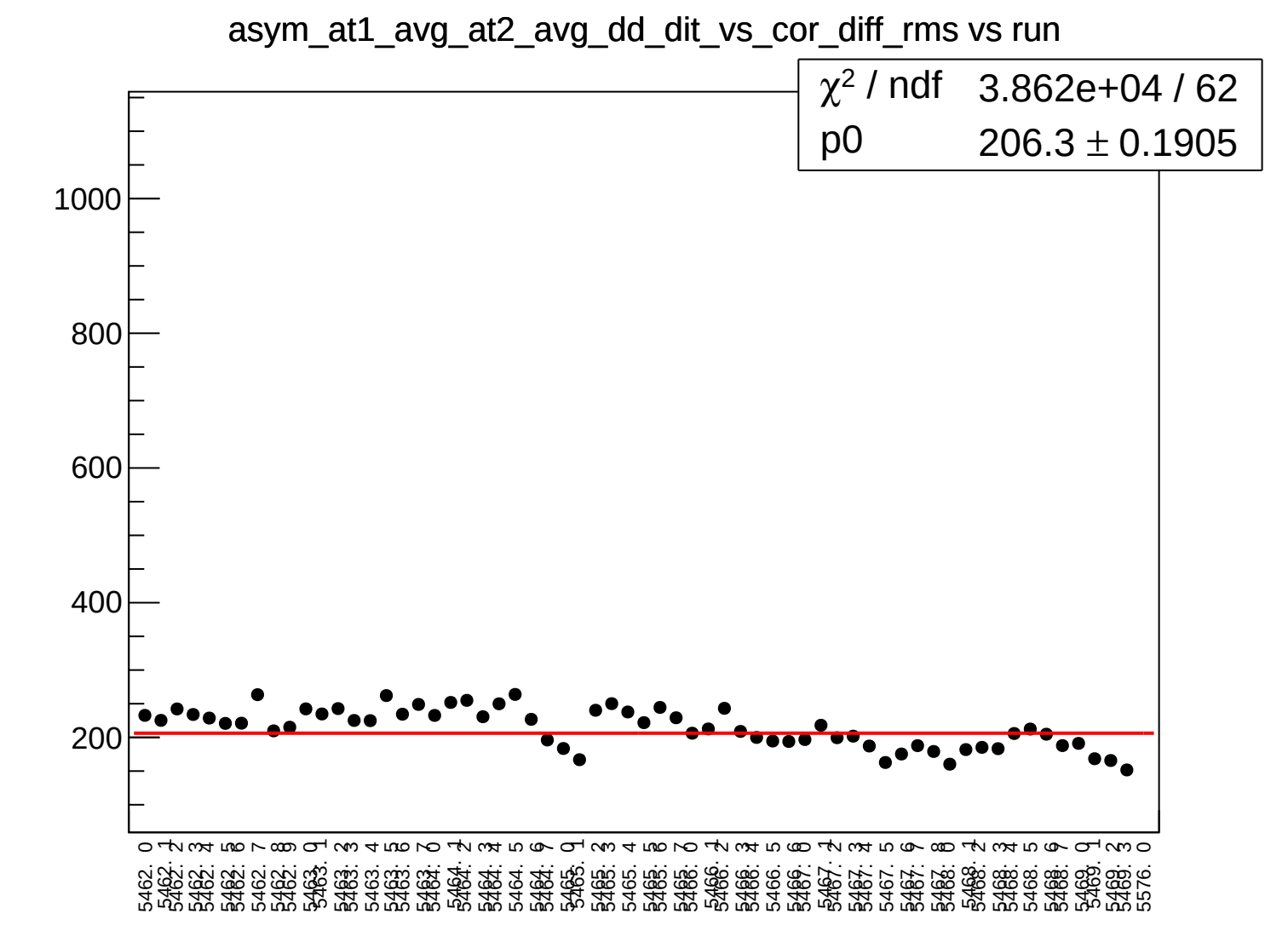

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.88 / 62
p0 8.979e−14 ± 1.777e−13
pull
Entries 63
Mean −249.2
Std Dev 0

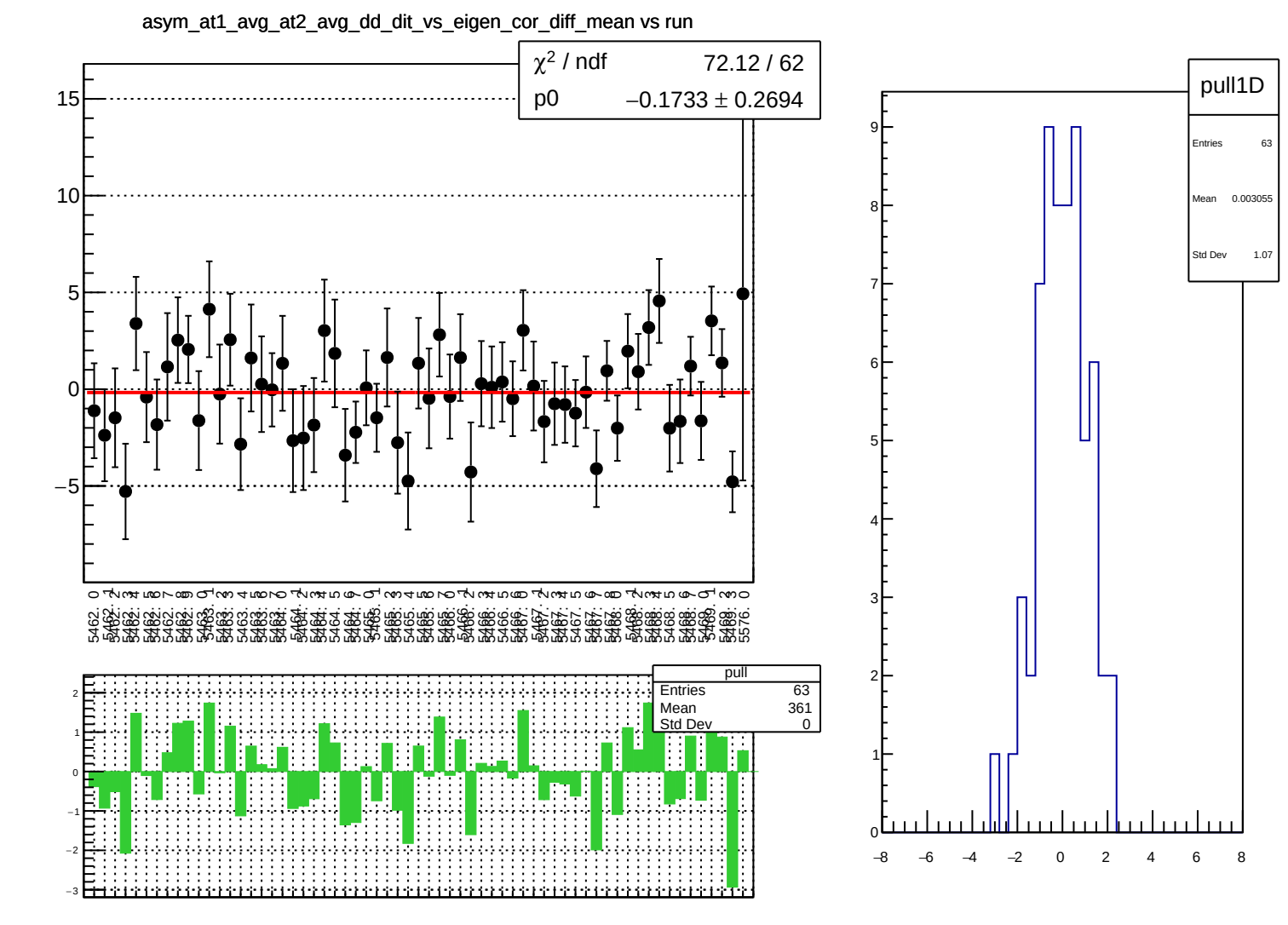

pull1D
Entries 63
Mean −0.007556
Std Dev 0.9075

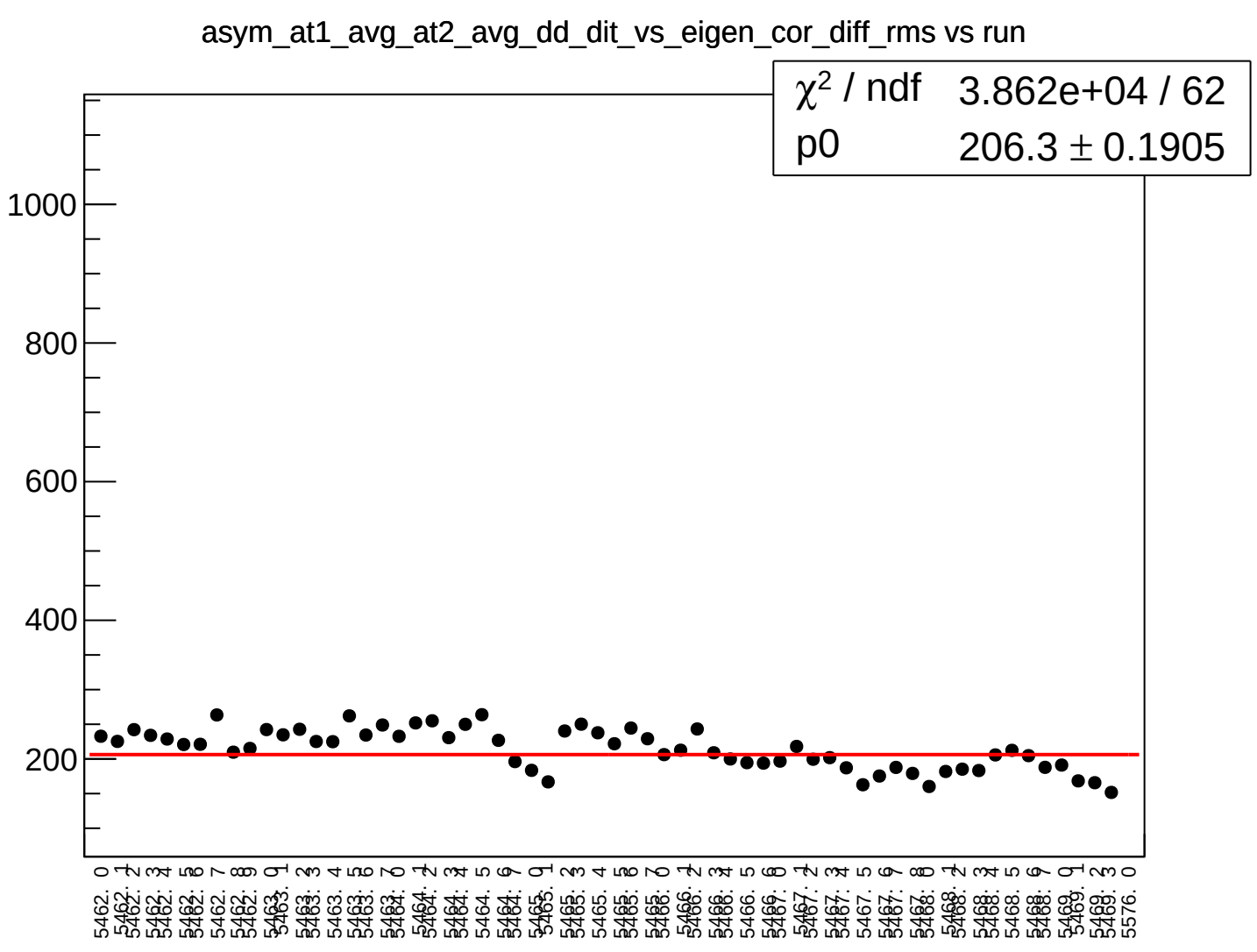

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.257e+05 / 62
p0 9.613e−11 ± 1.257e−13
1600
1400
1200
1000
800
600
400
200
0

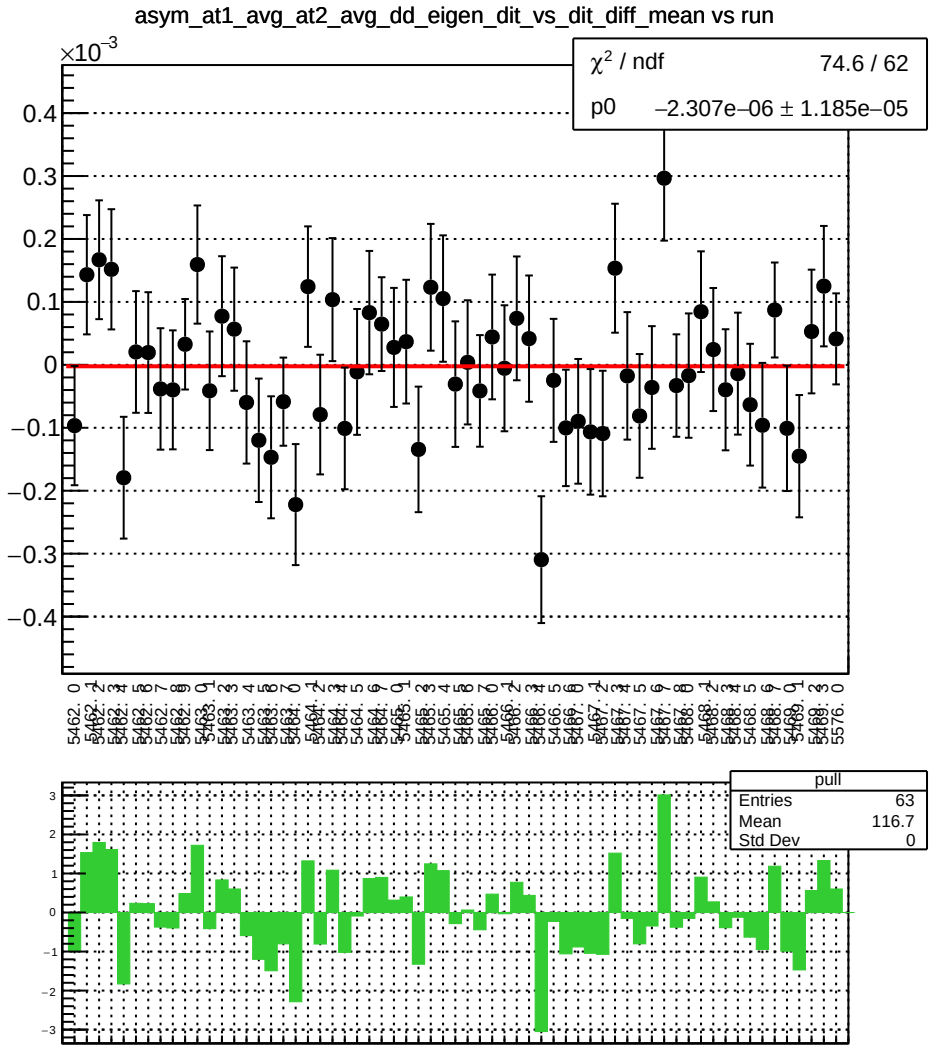

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0

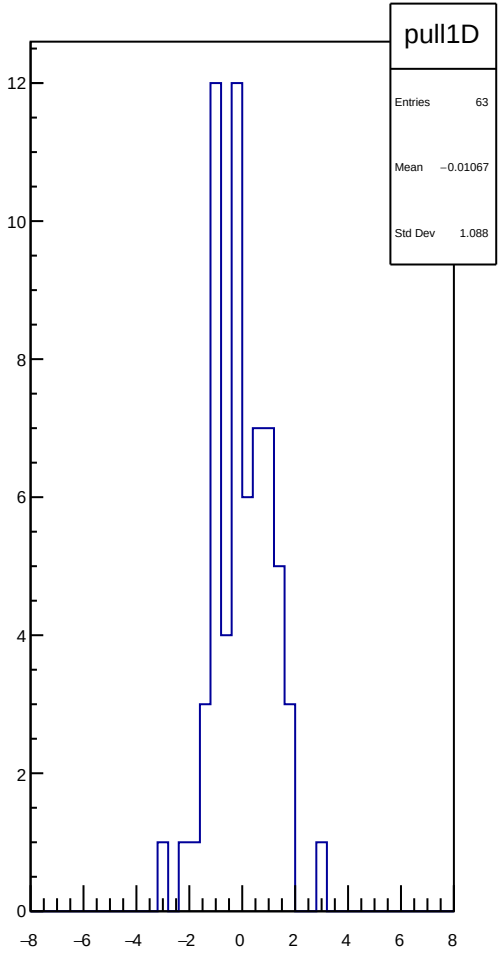

pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

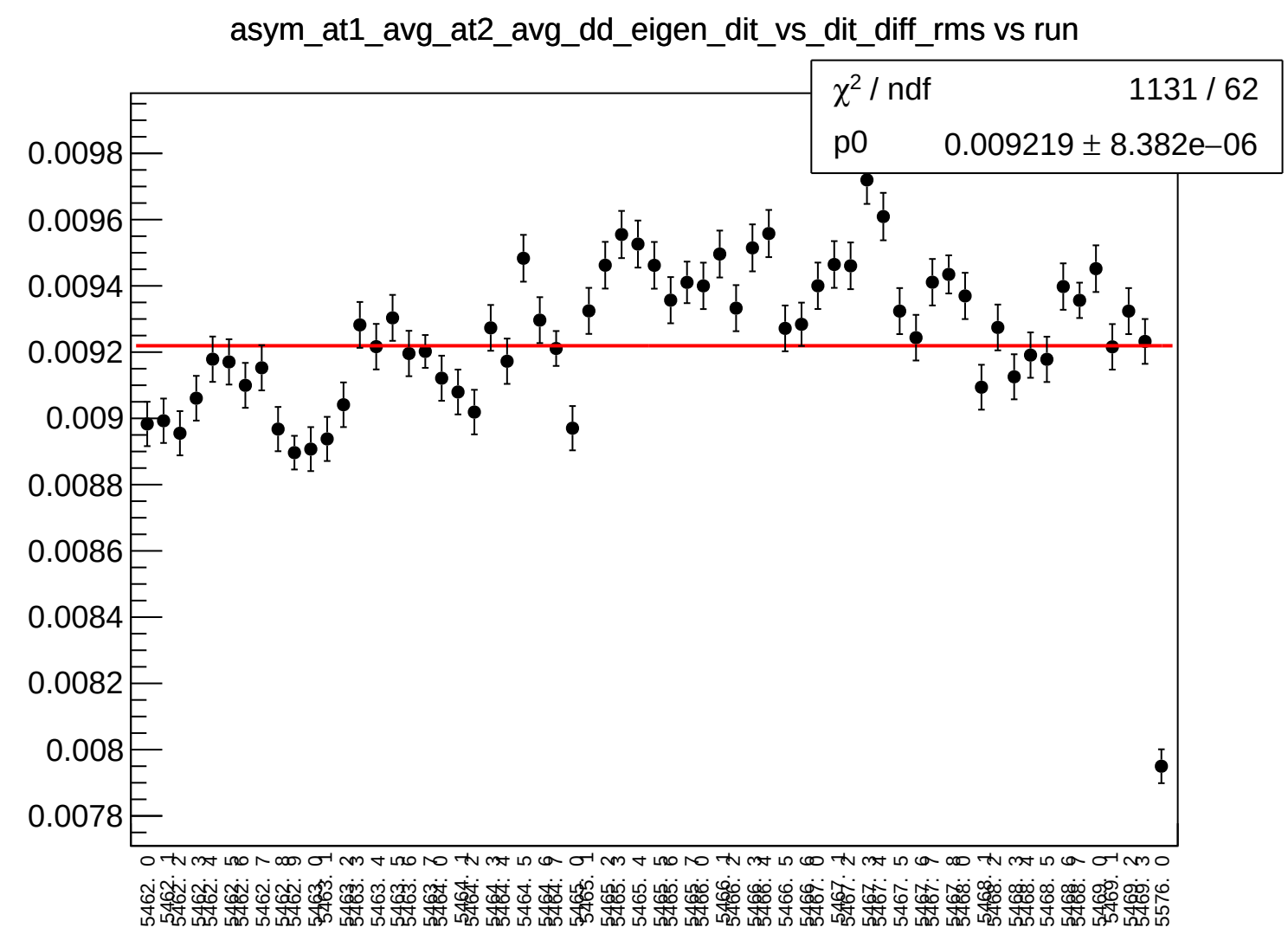

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200


asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07


asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.6 / 62
p0 −2.307e−06 ± 1.185e−05
pull
Entries 63
Mean 116.7
Std Dev 0


pull1D
Entries 63
Mean −0.01067
Std Dev 1.088


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1131 / 62
p0 0.009219 ± 8.382e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
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5466. 6
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5467. 2
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5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
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5468. 5
5468. 6
5468. 7
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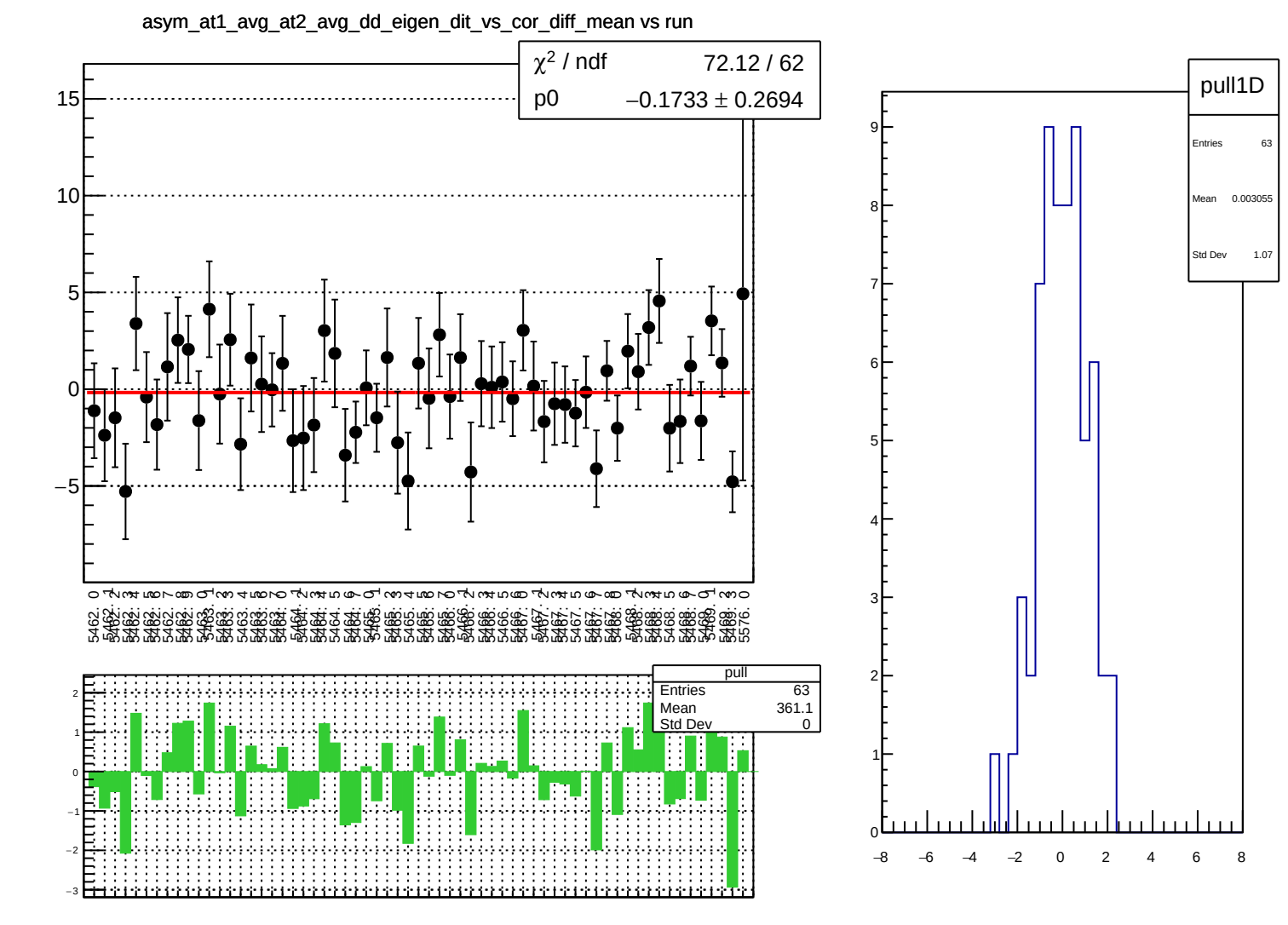
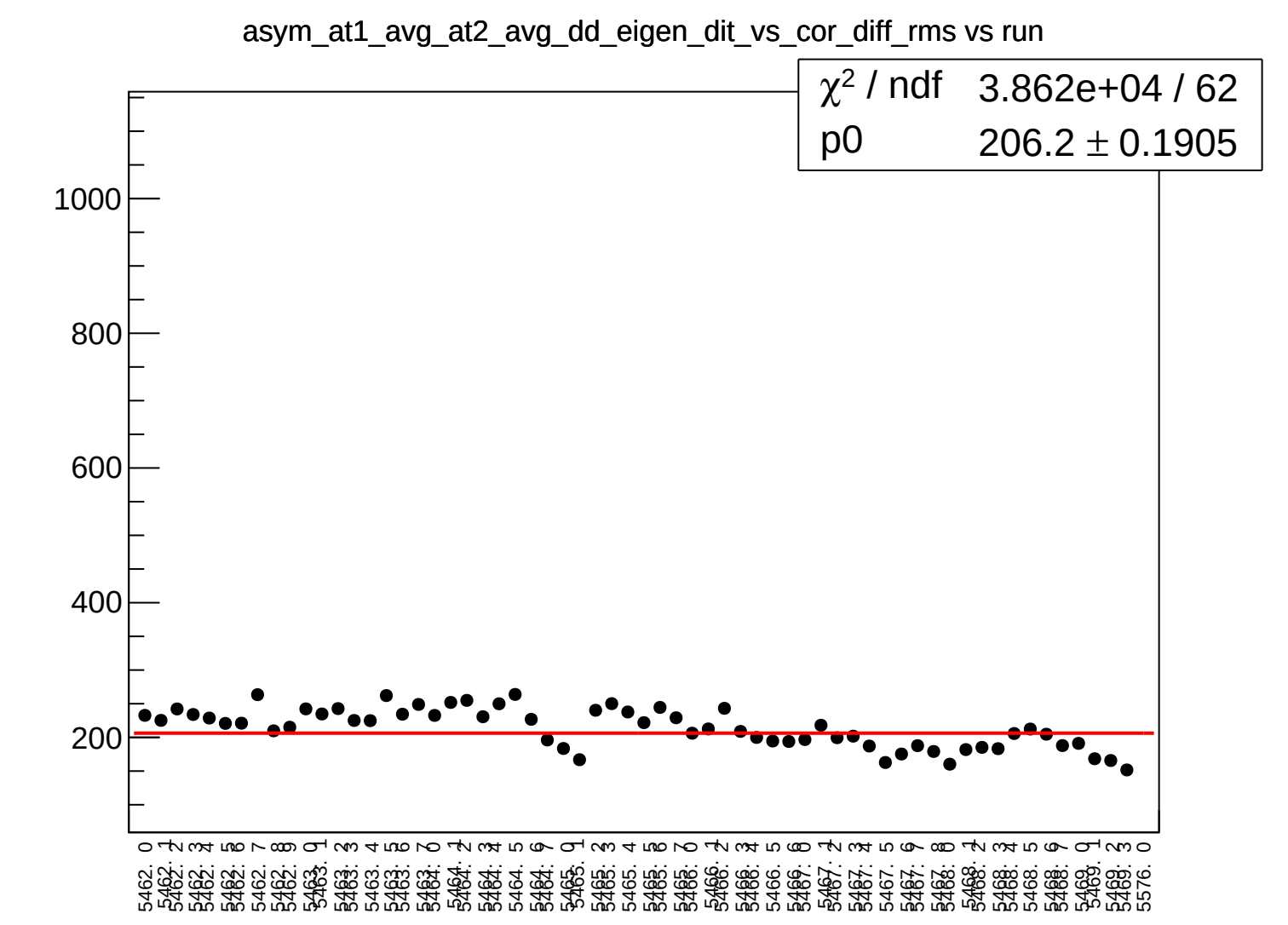
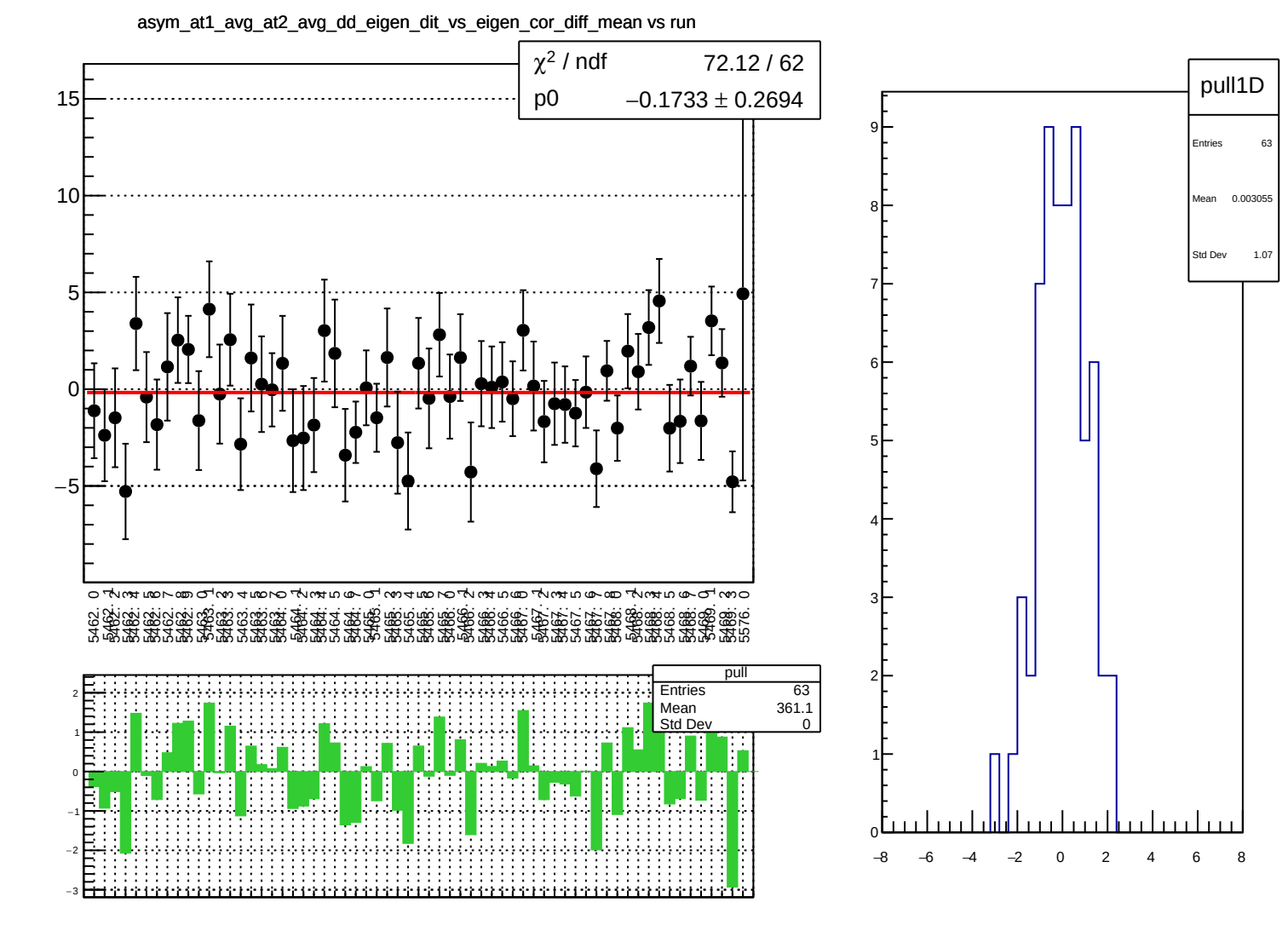
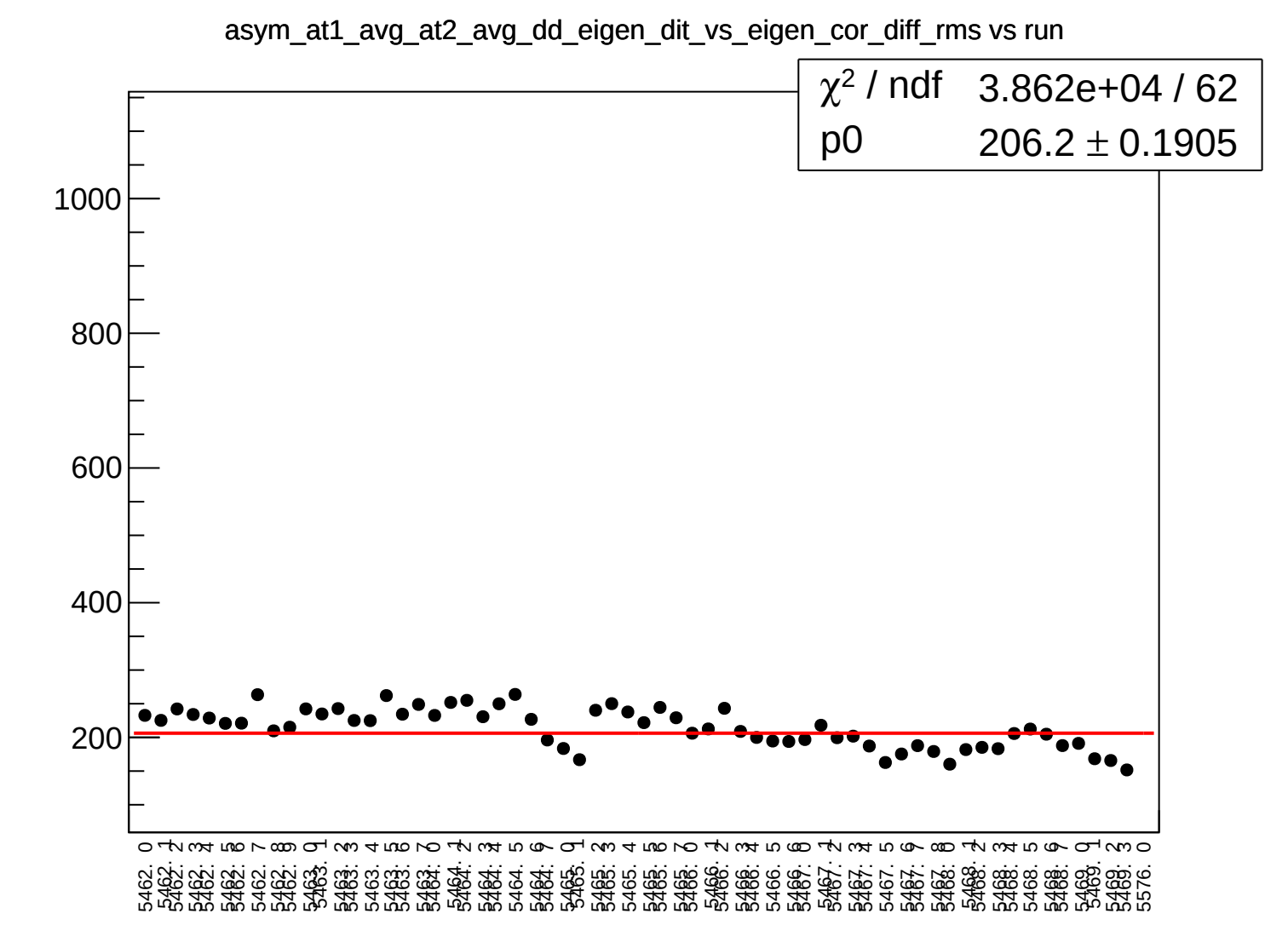
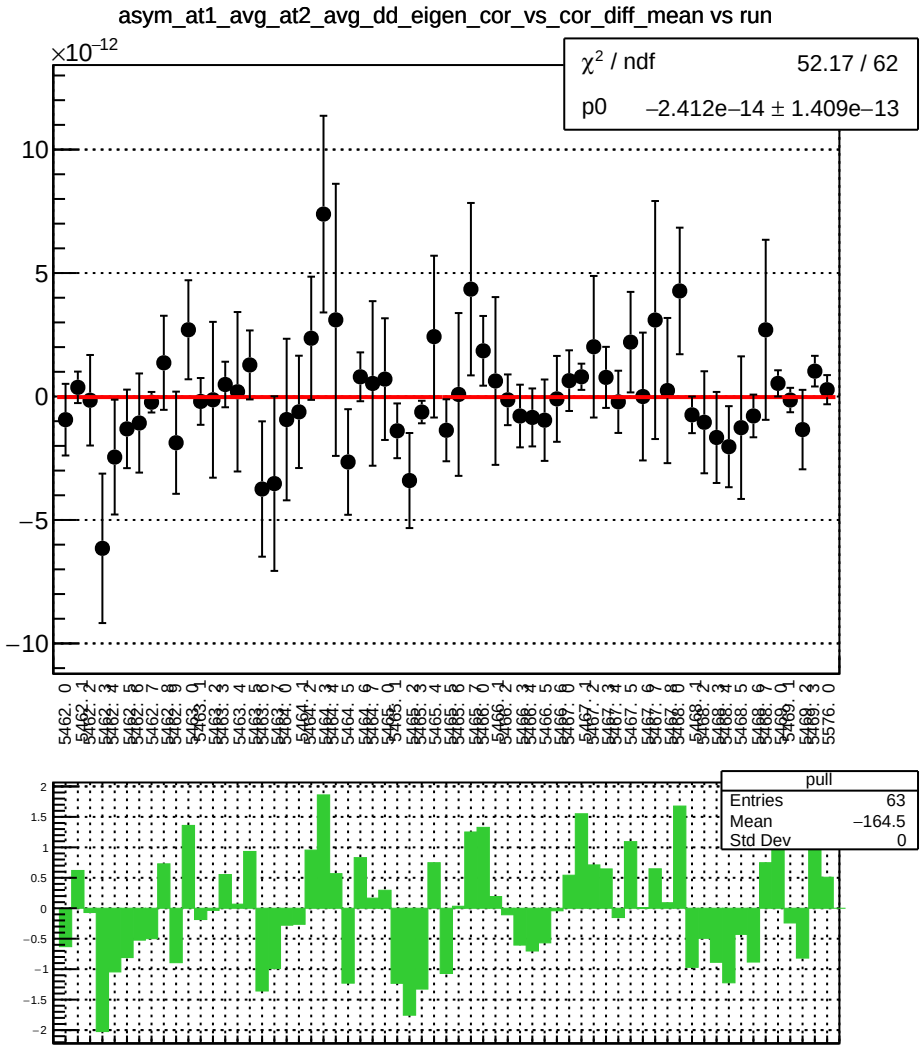
5469. 1
5469. 2
5469. 3
5576. 0

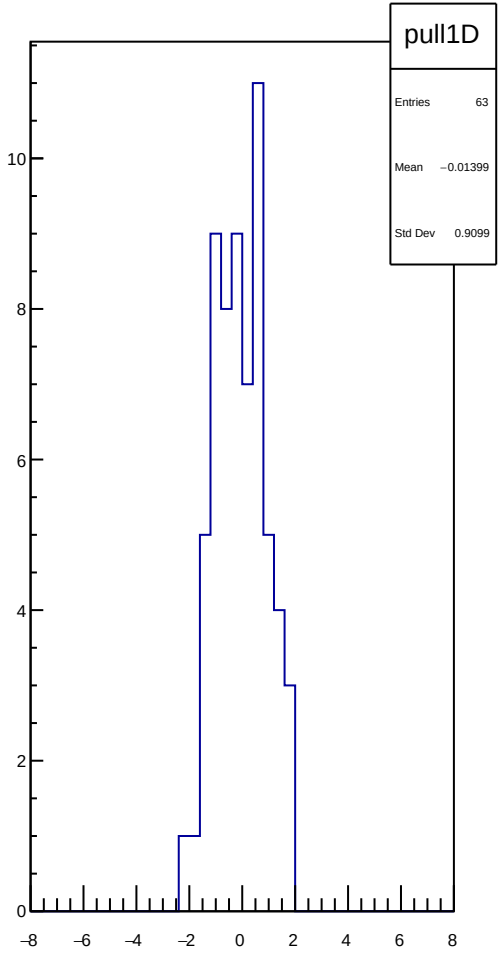

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

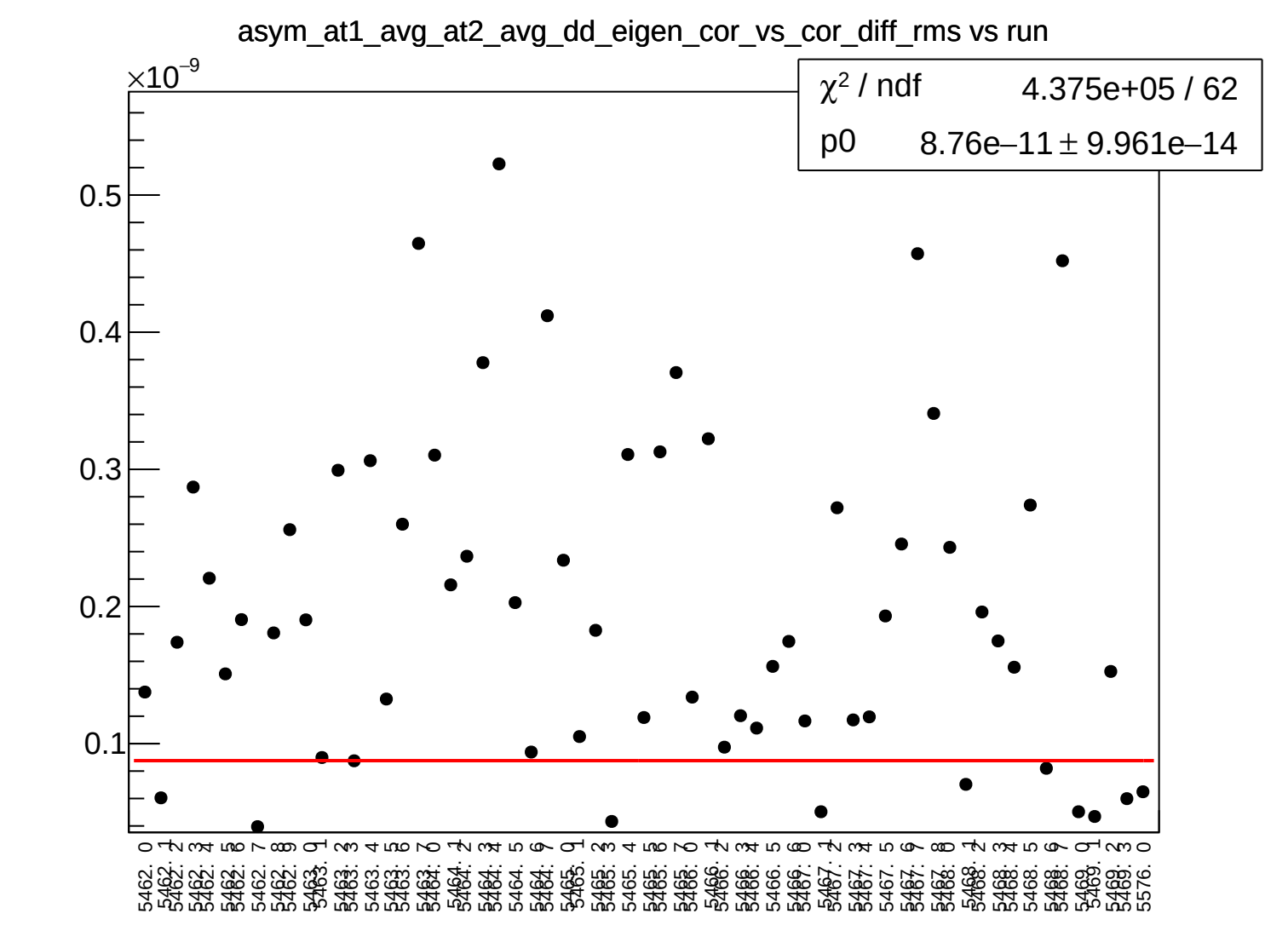

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

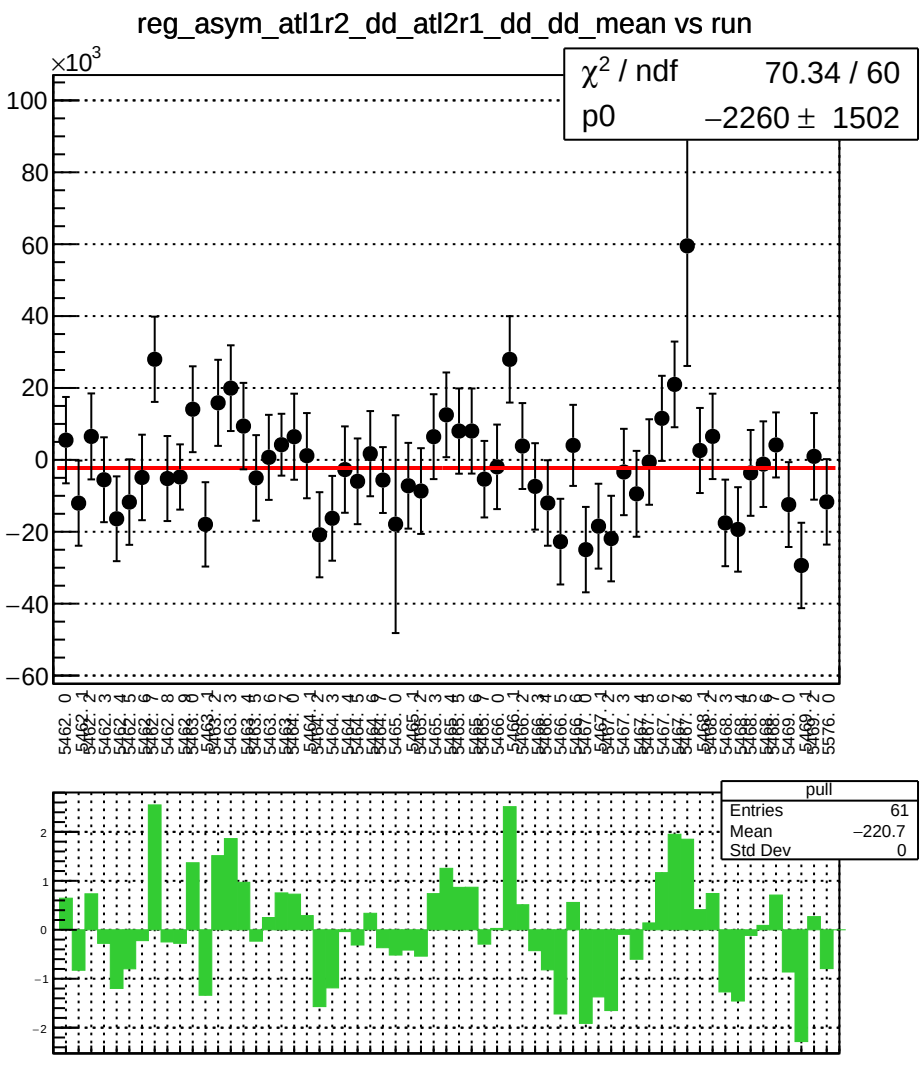

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

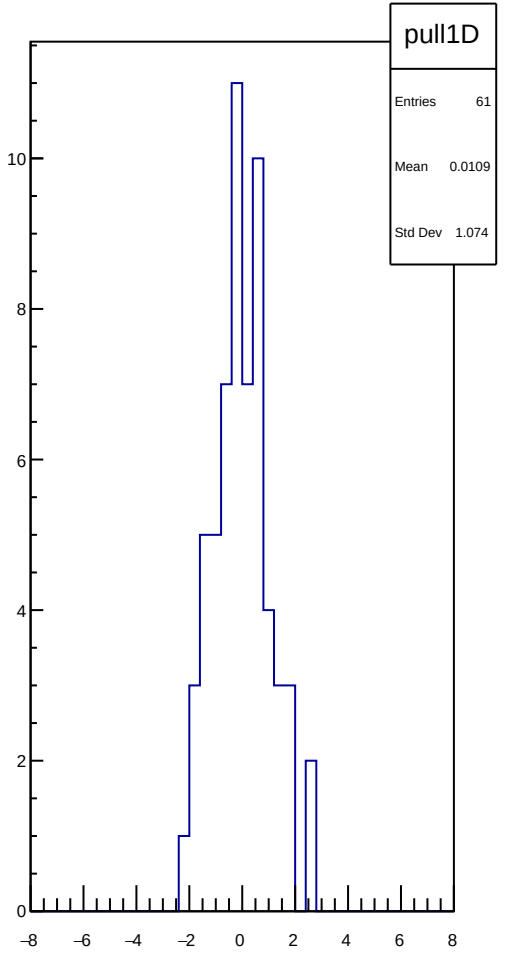

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

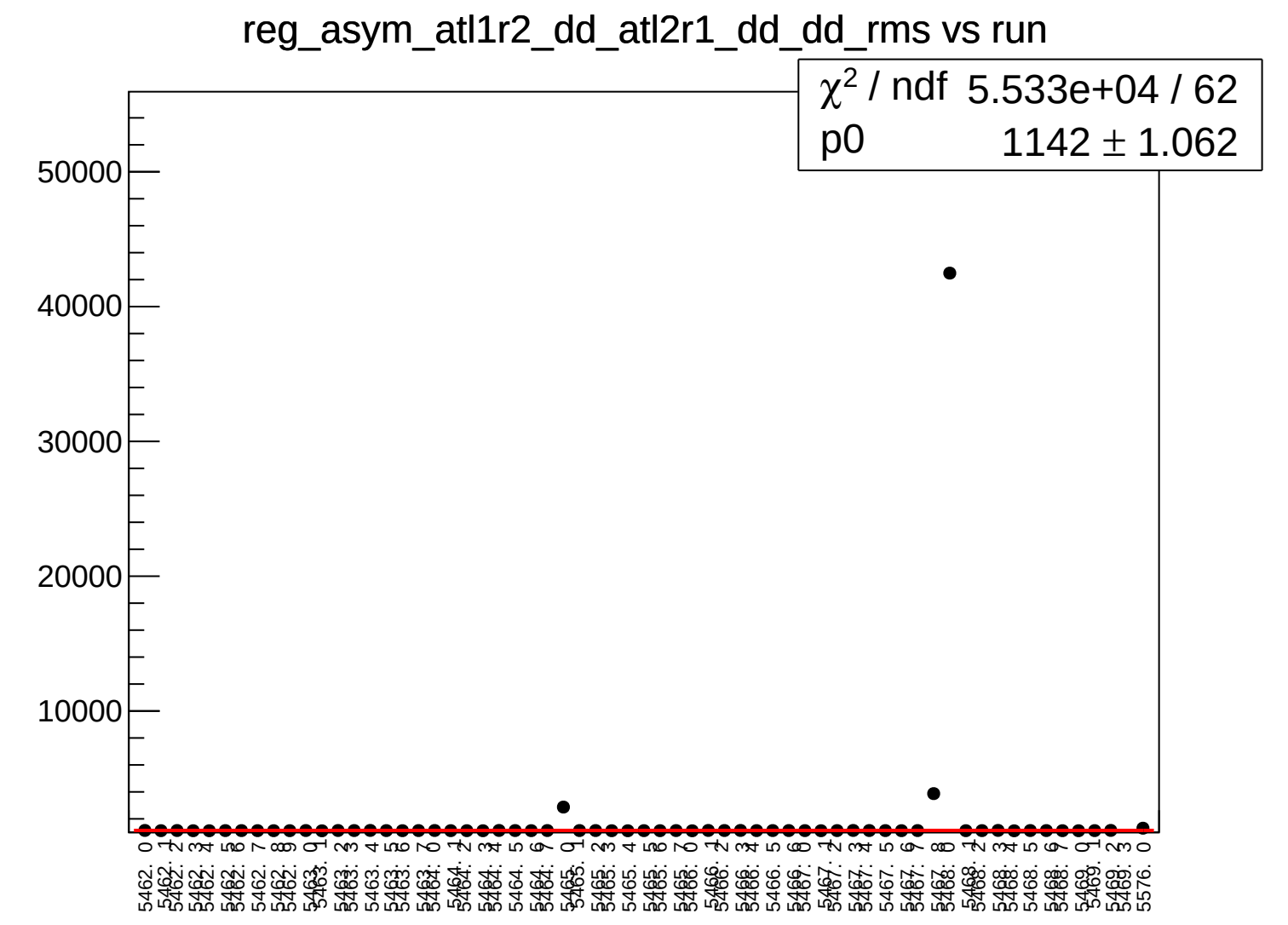

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.17 / 62
p0 −2.412e−14 ± 1.409e−13
pull
Entries 63
Mean −164.5
Std Dev 0

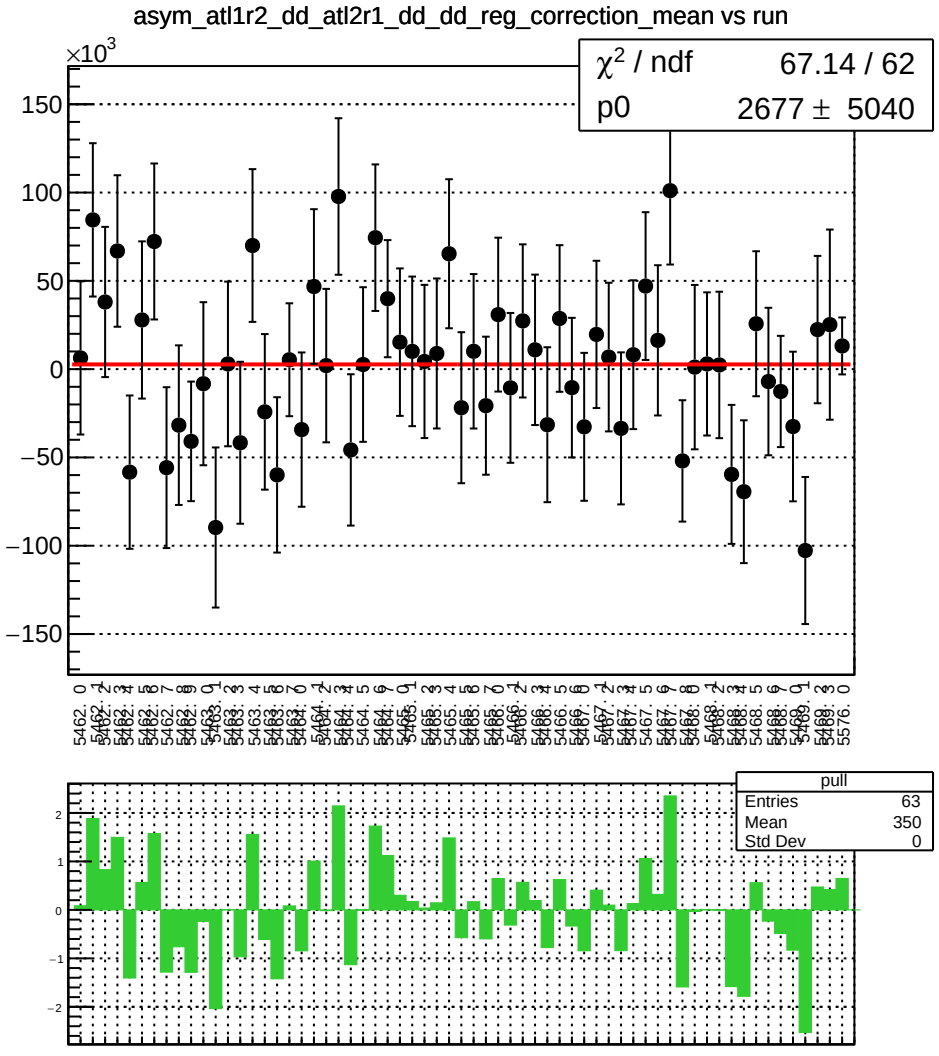

pull1D
Entries 63
Mean −0.01399
Std Dev 0.9099

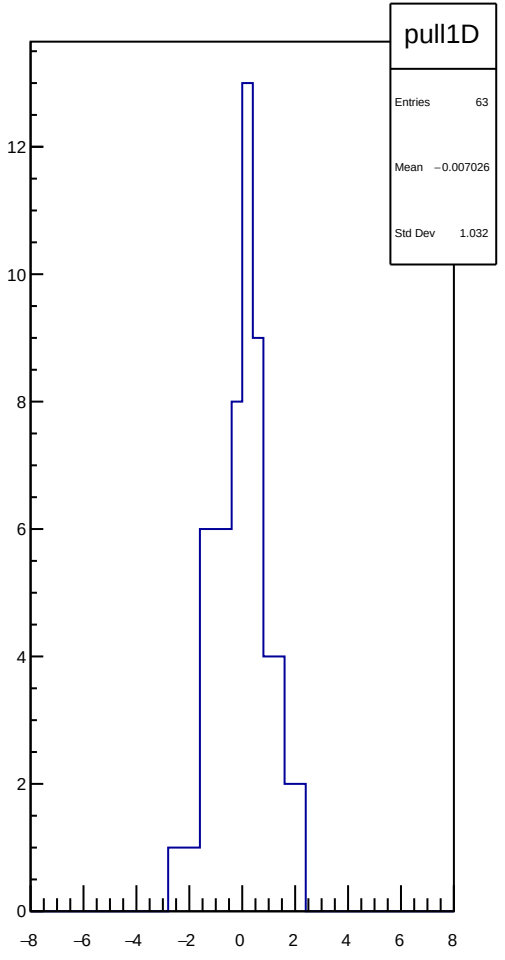

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.375e+05 / 62
p0 8.76e−11 ± 9.961e−14
0.5
0.4
0.3
0.2
0.1

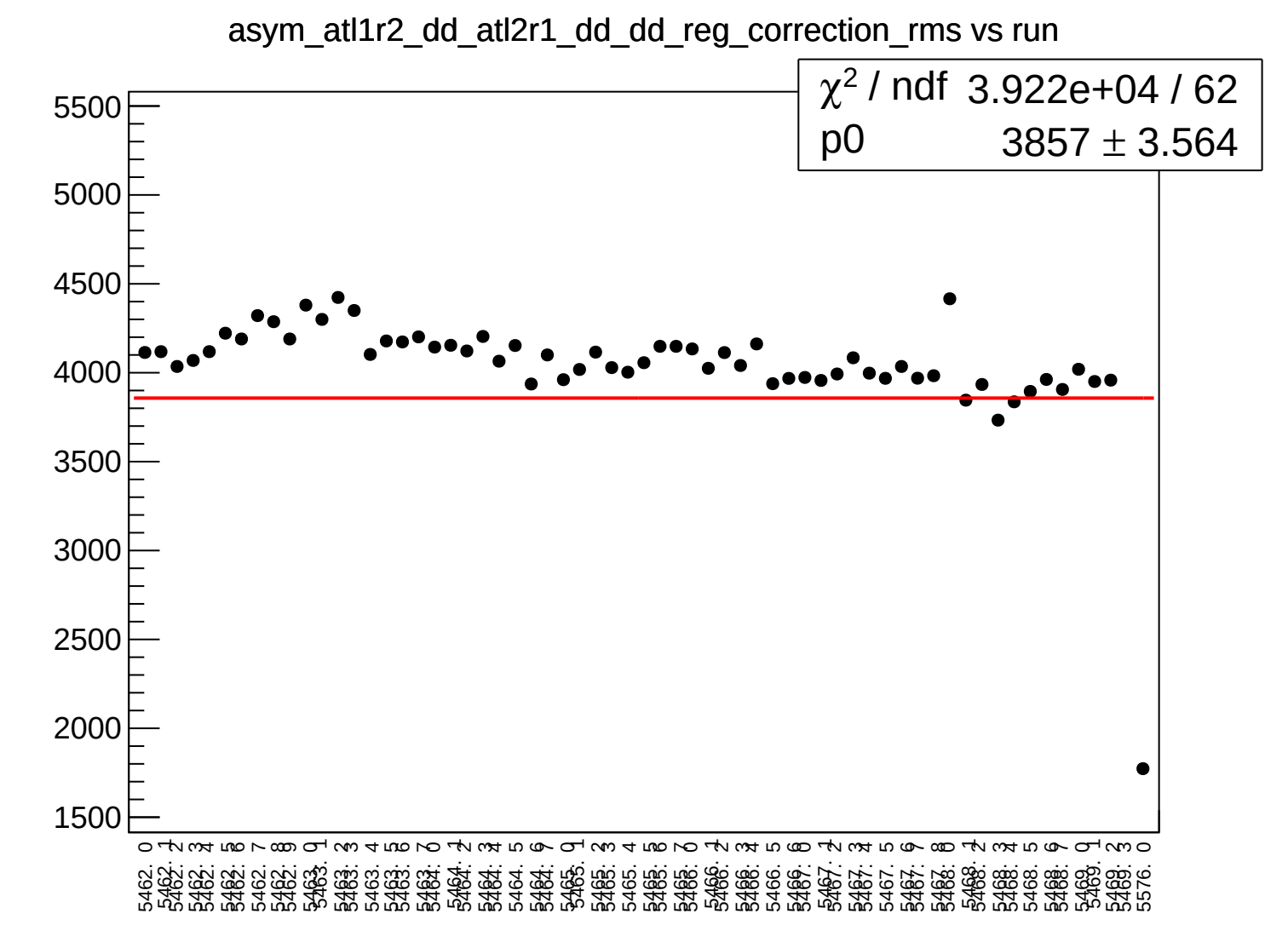

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 70.34 / 60
p0 −2260 ± 1502
100
80
60
40
20
0
−20
−40
−60
pull
Entries 61
Mean −220.7
Std Dev 0
2
1
0
−1
−2

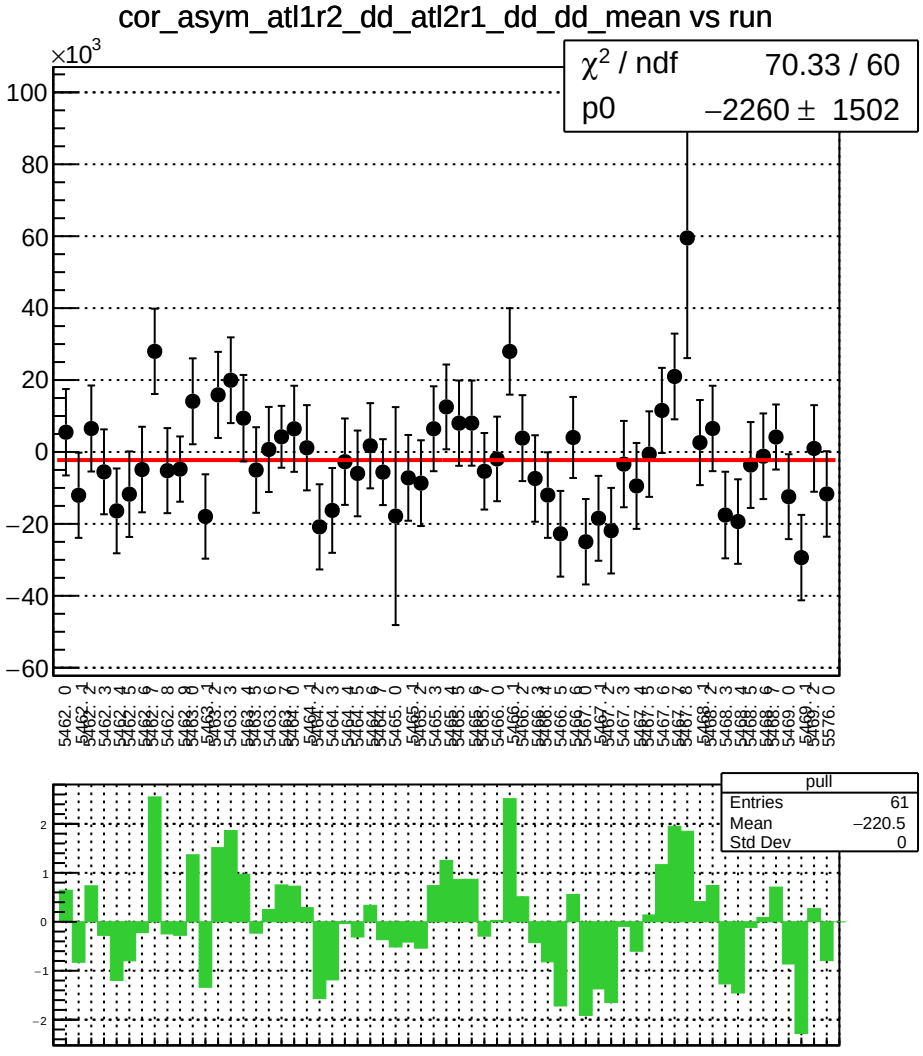

pull1D
Entries 61
Mean 0.0109
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

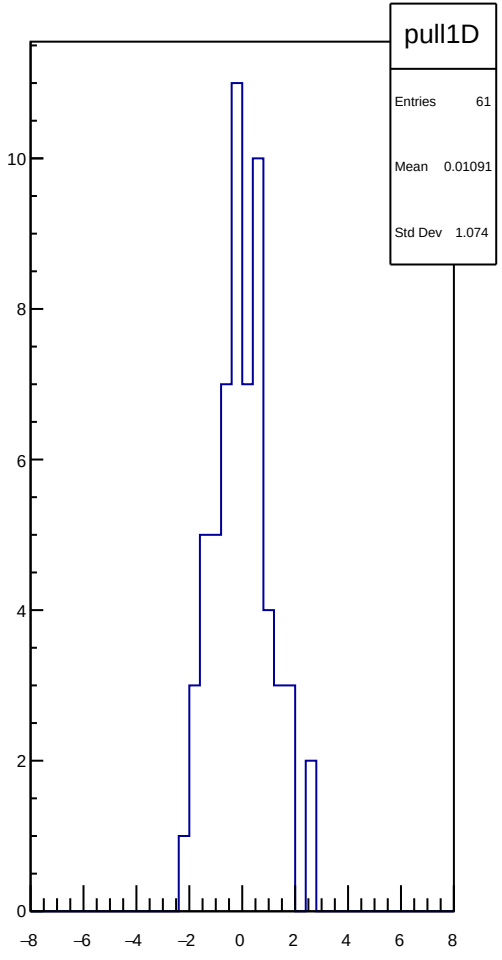

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

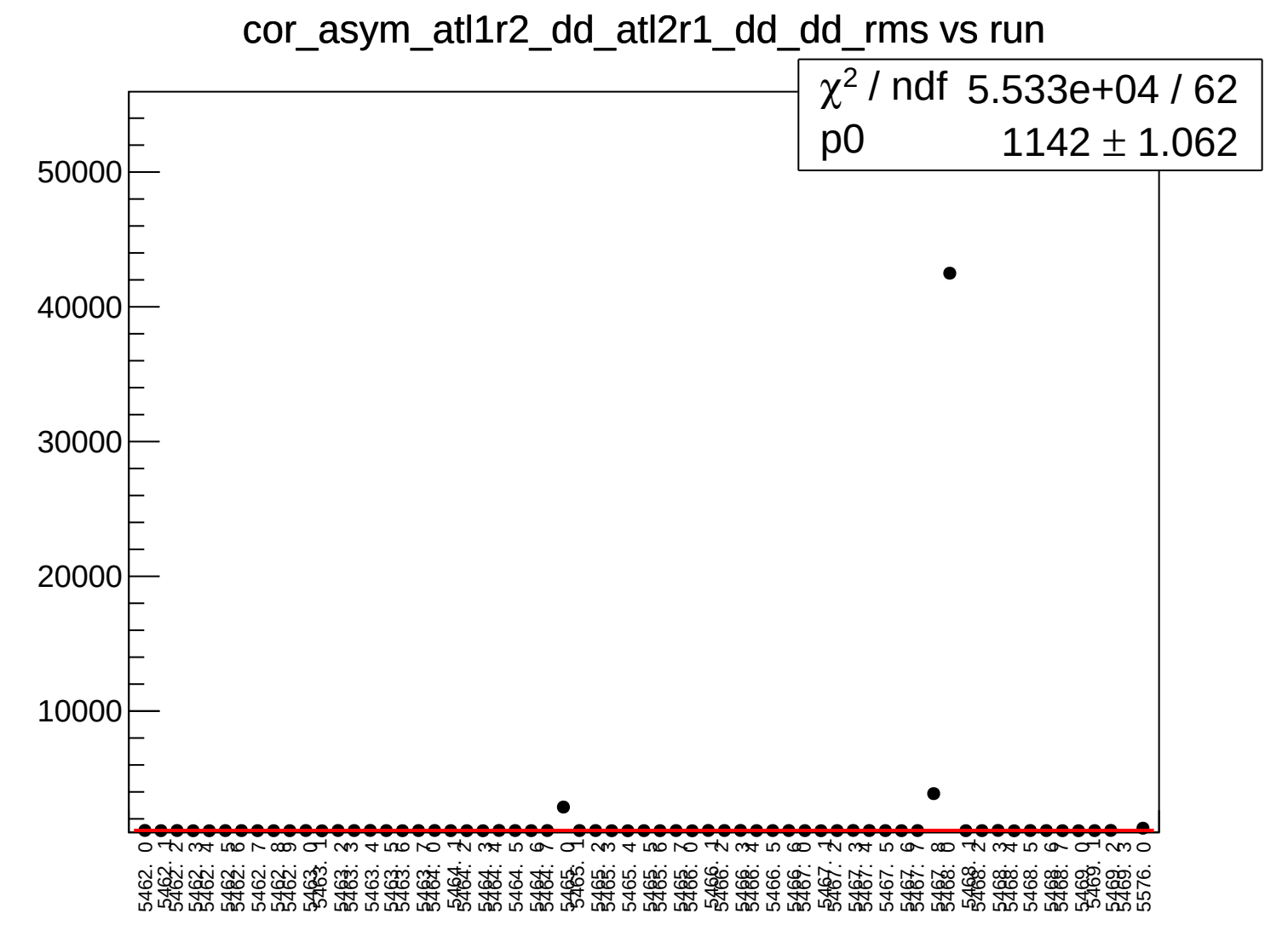

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 67.14 / 62
p0 2677 ± 5040
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 350
Std Dev 0
2
1
0
−1
−2

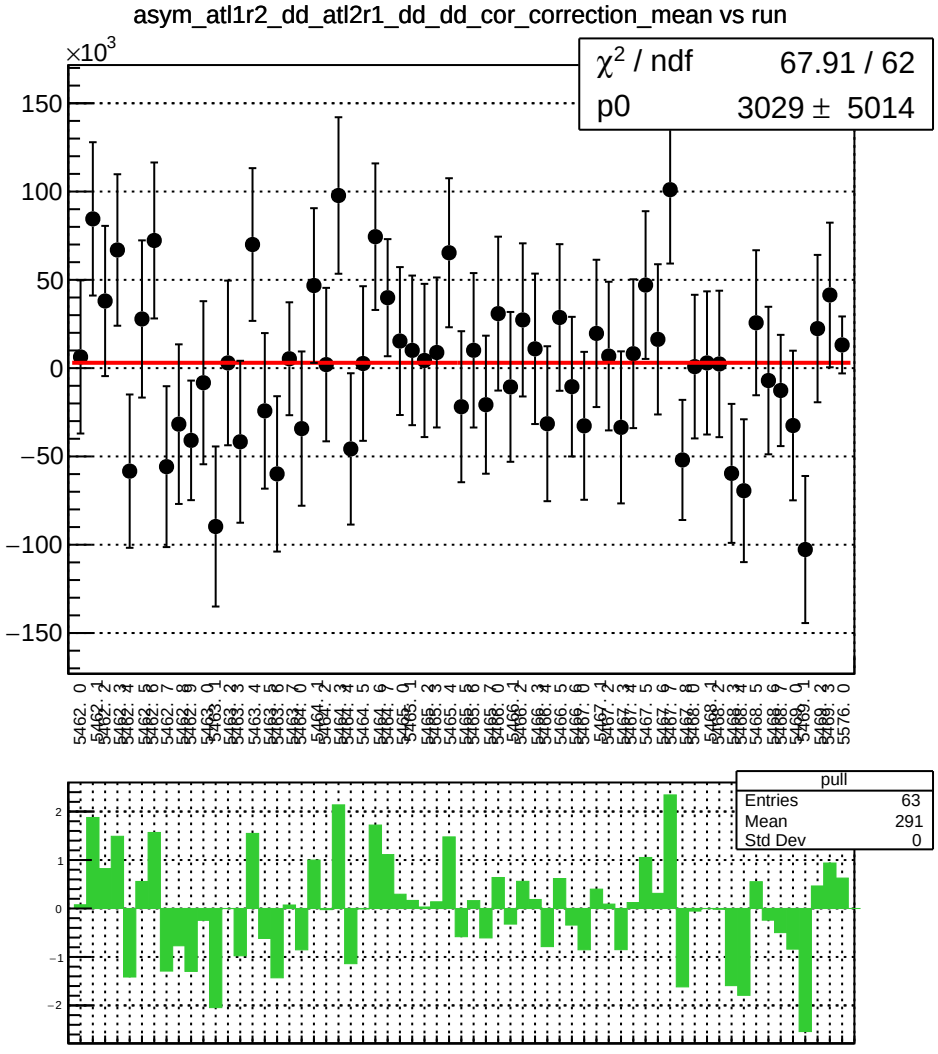

pull1D
Entries 63
Mean −0.007026
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

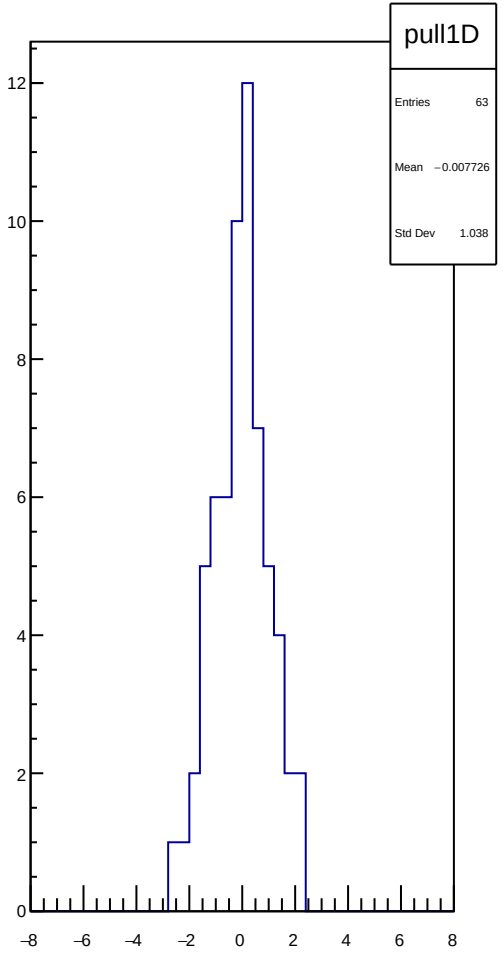

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 3.922e+04 / 62
p0 3857 ± 3.564
5500
5000
4500
4000
3500
3000
2500
2000
1500

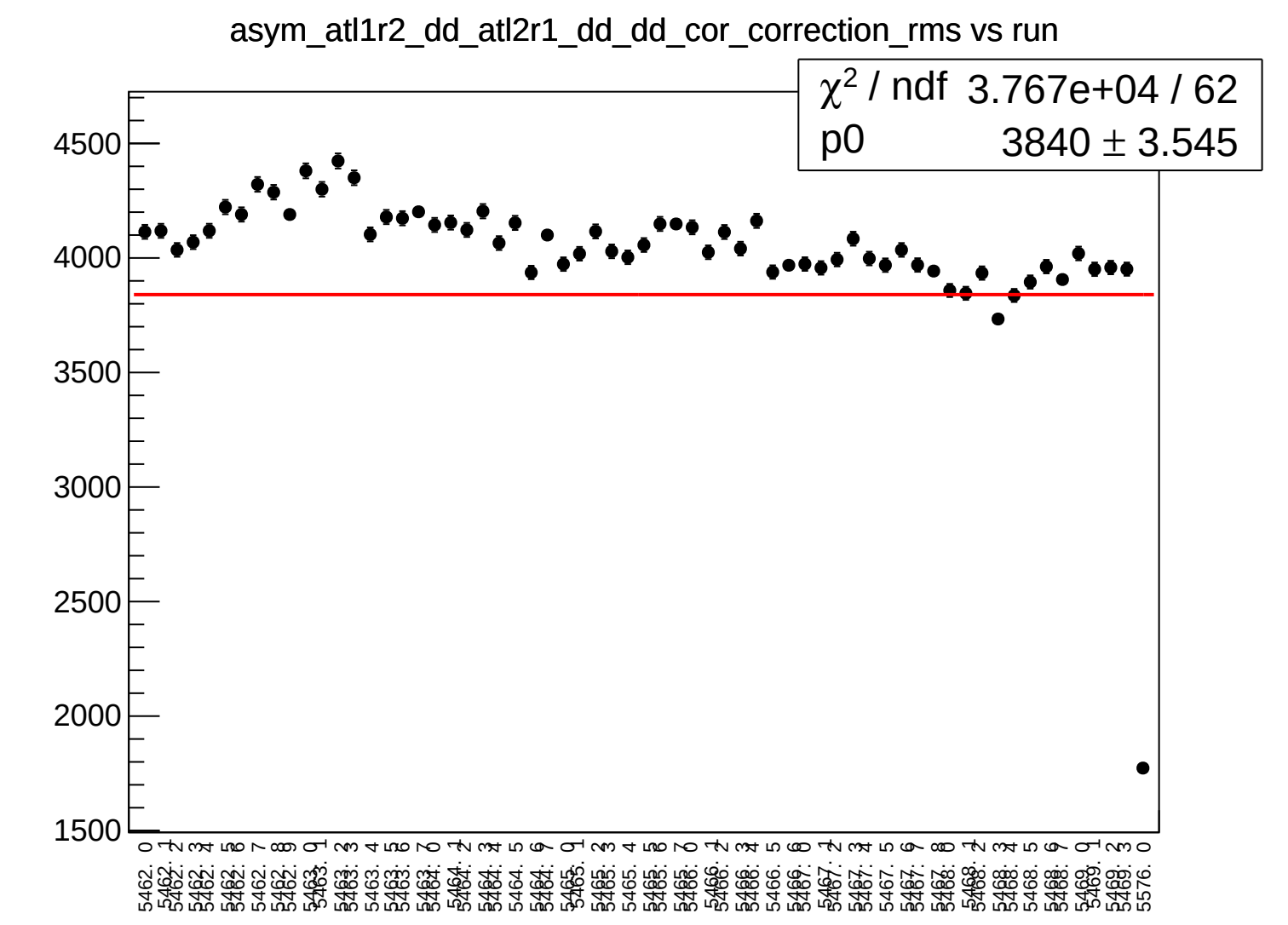

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0

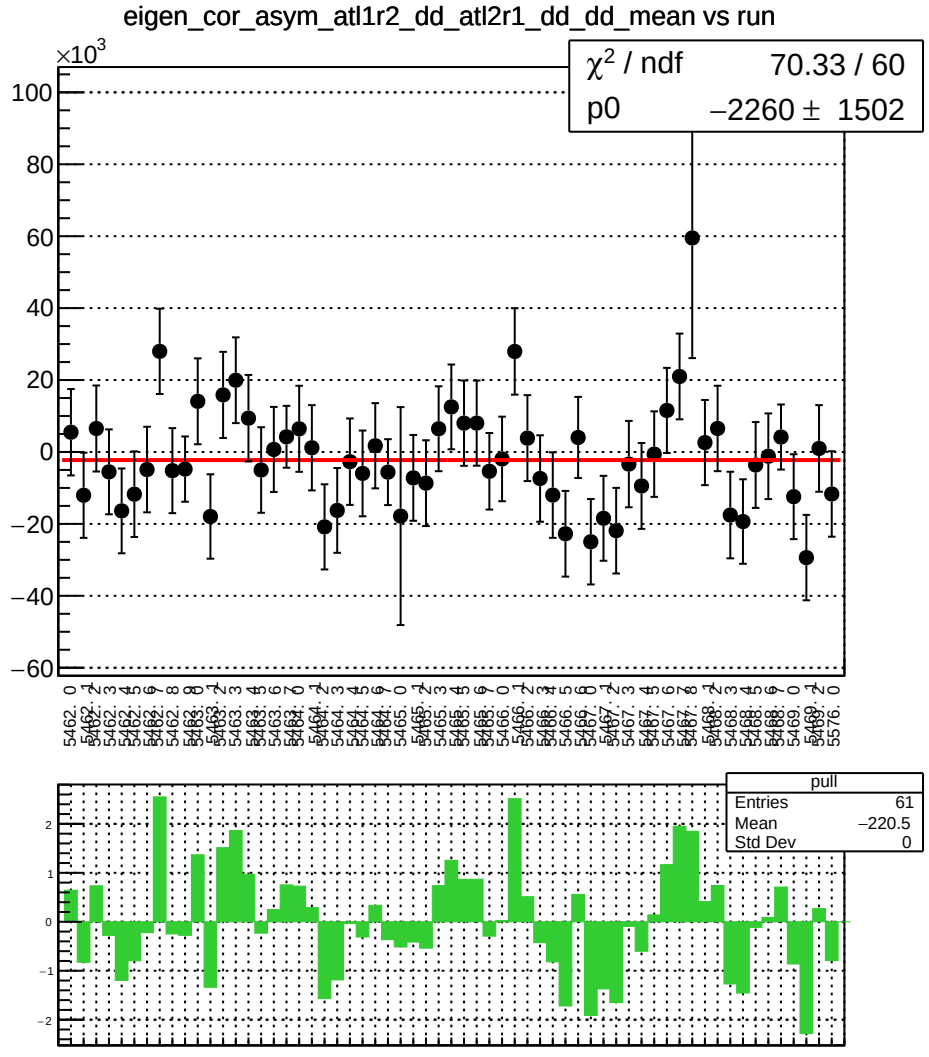

pull1D
Entries 61
Mean 0.01091
Std Dev 1.074

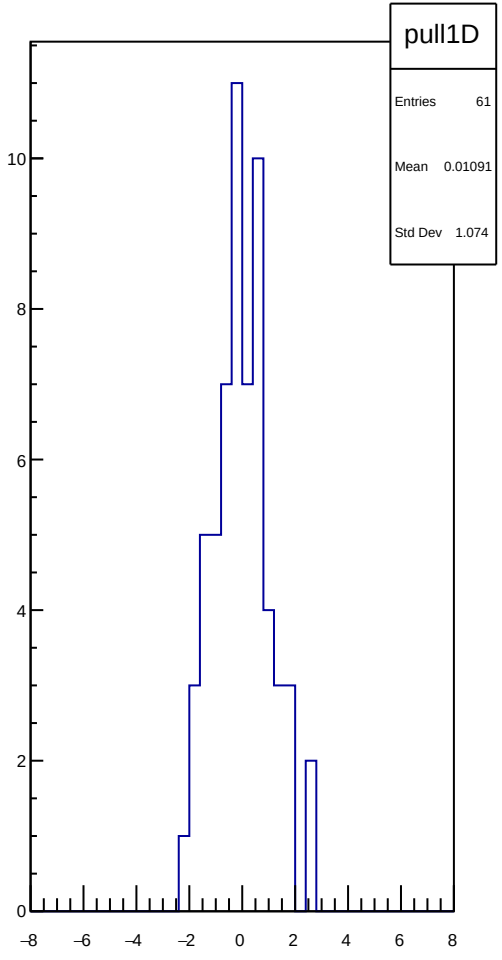

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 9
5469. 1
5469. 2
5469. 3
5576. 0

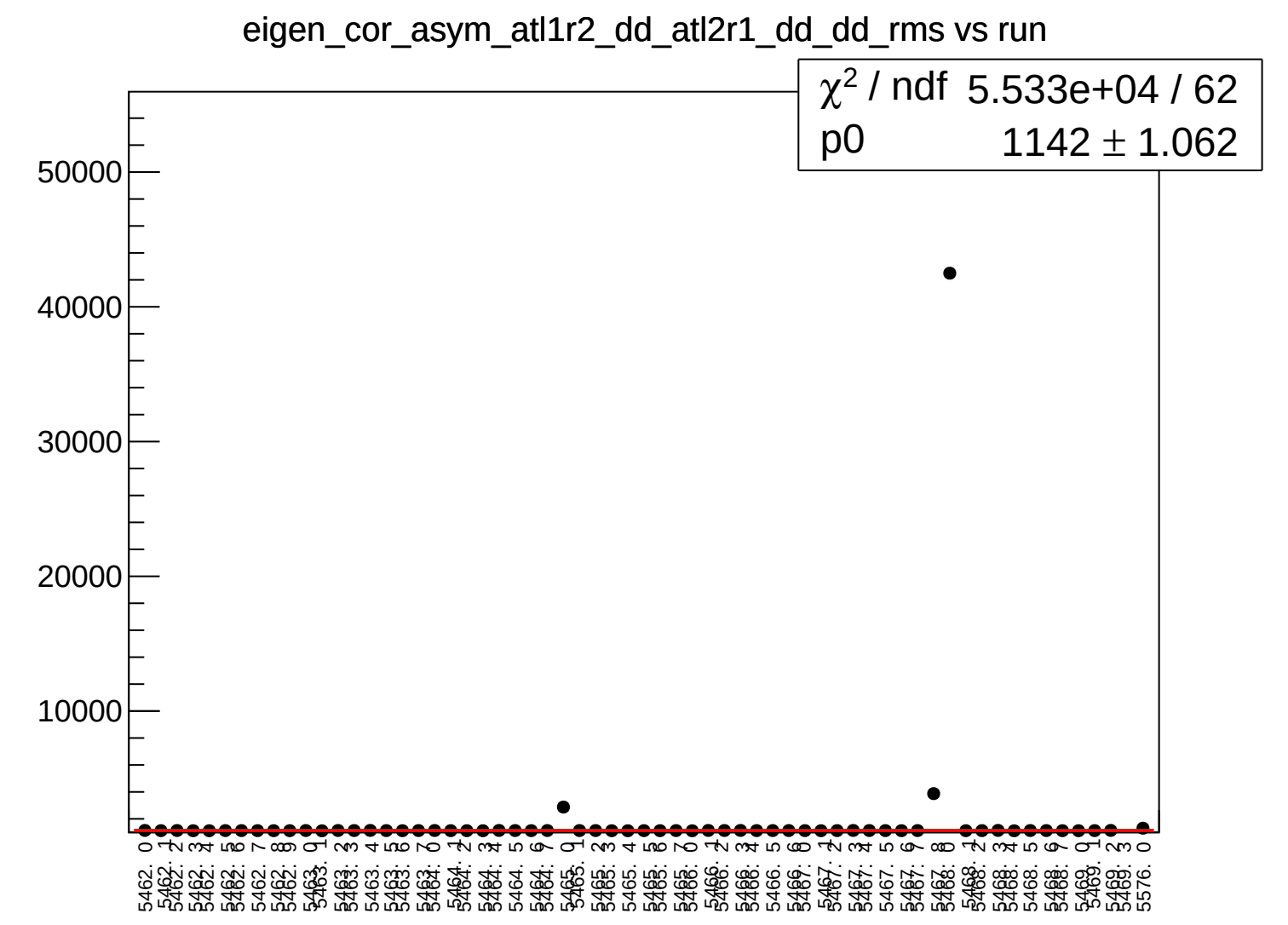

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2

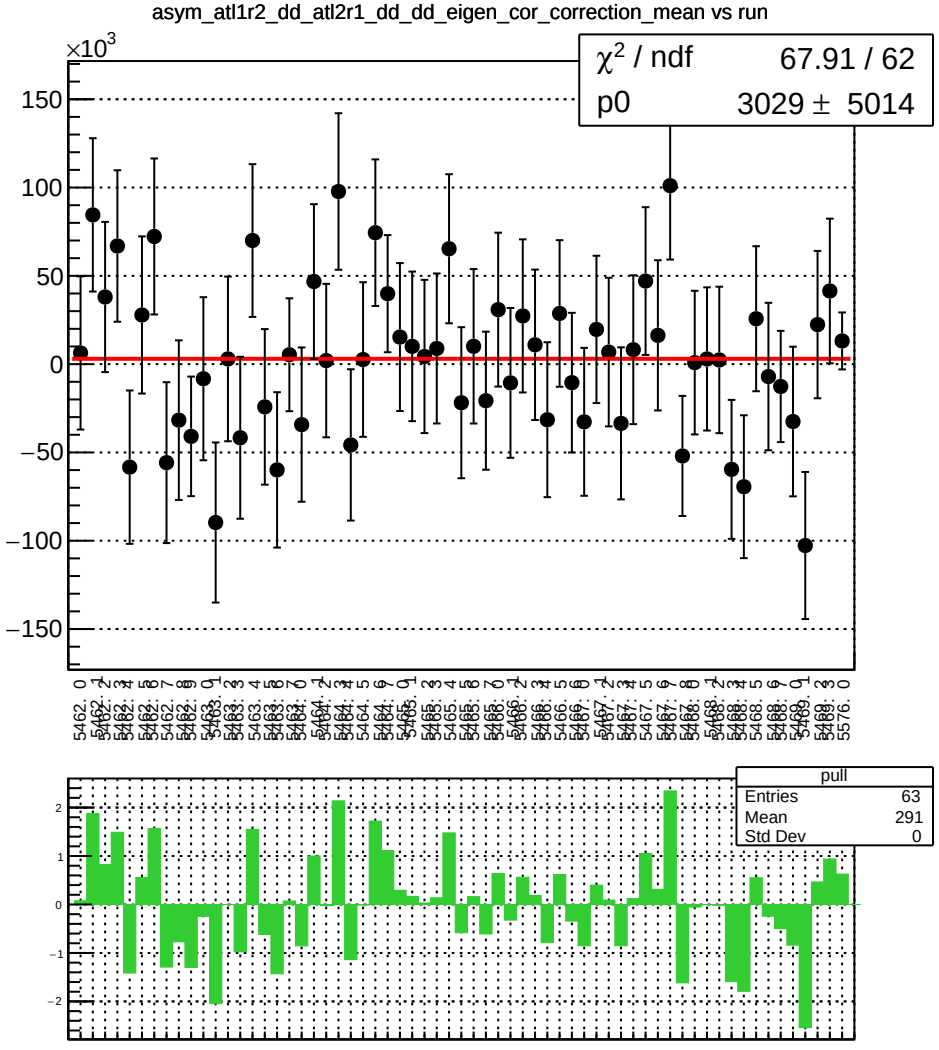

pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

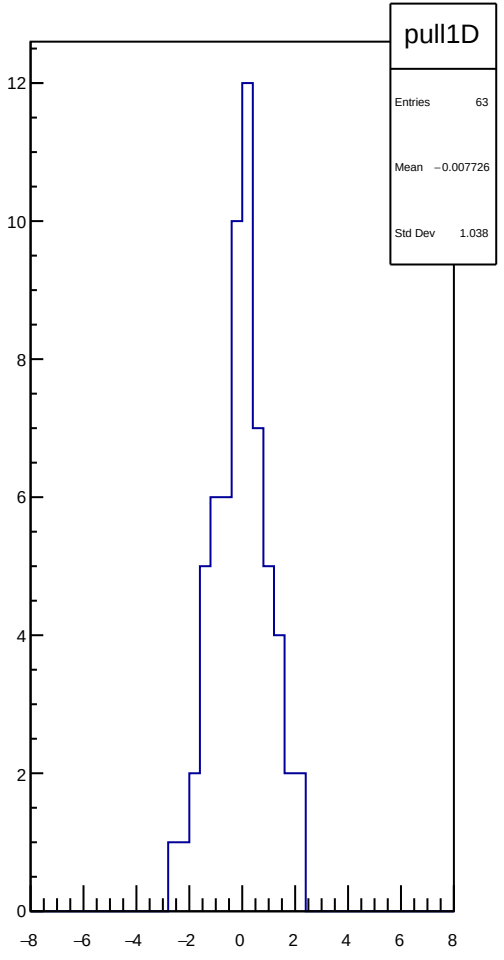

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500

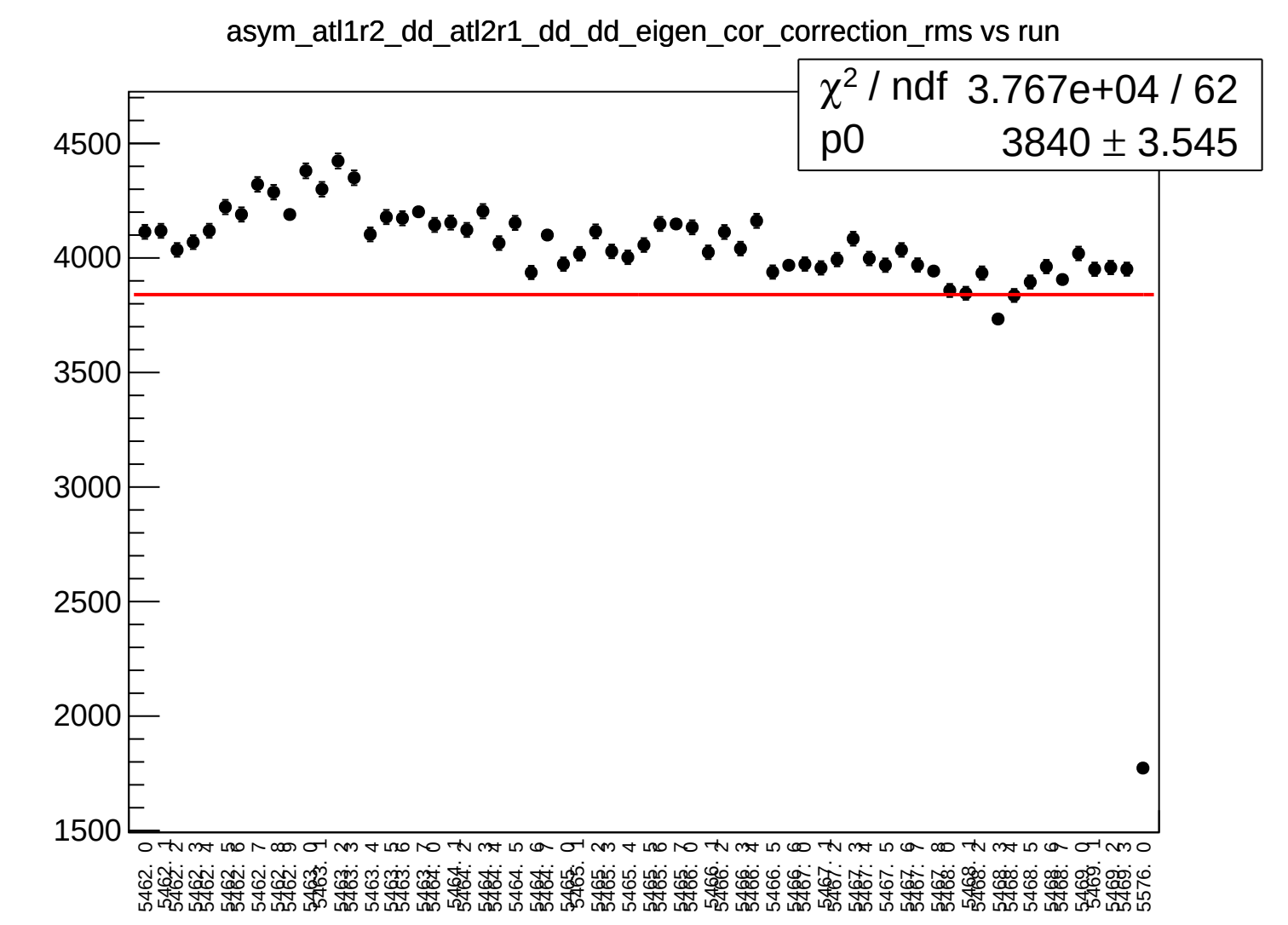

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 70.33 / 60
p0 −2260 ± 1502
pull
Entries 61
Mean −220.5
Std Dev 0

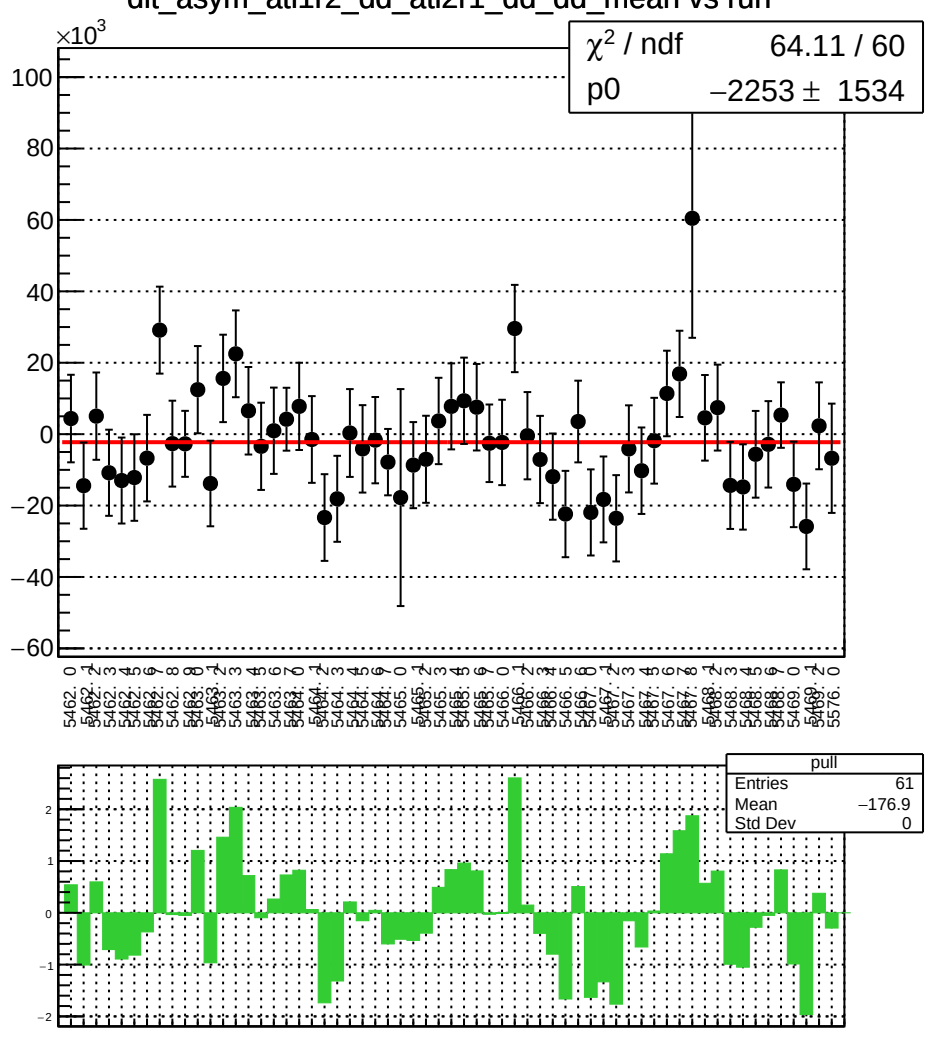

pull1D
Entries 61
Mean 0.01091
Std Dev 1.074

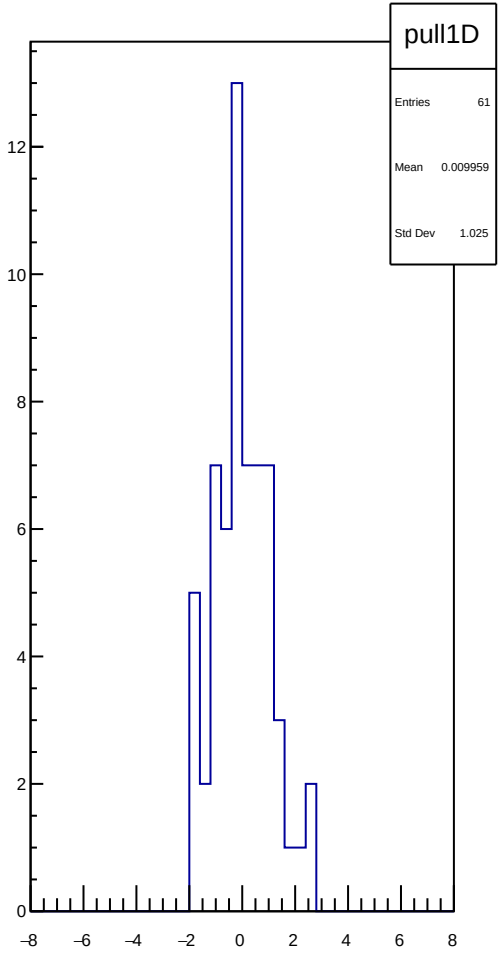

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.533e+04 / 62
p0 1142 ± 1.062
50000
40000
30000
20000
10000
5462. 0
5576. 0

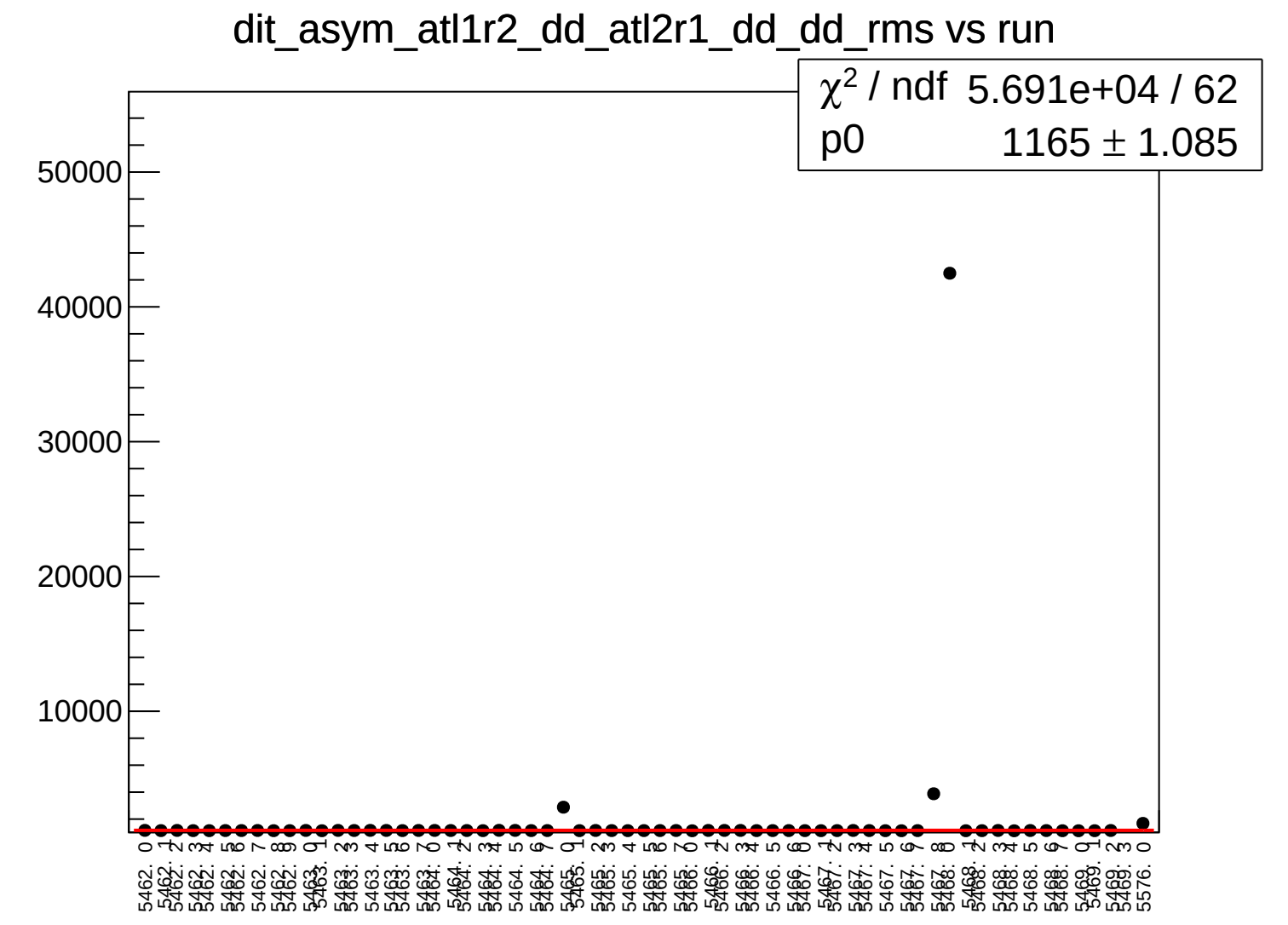

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.91 / 62
p0 3029 ± 5014
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 291
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.007726
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.767e+04 / 62
p0 3840 ± 3.545
4500
4000
3500
3000
2500
2000
1500


dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0


pull1D
Entries 61
Mean 0.009959
Std Dev 1.025


dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
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5464. 7
5464. 8
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5465. 2
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5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
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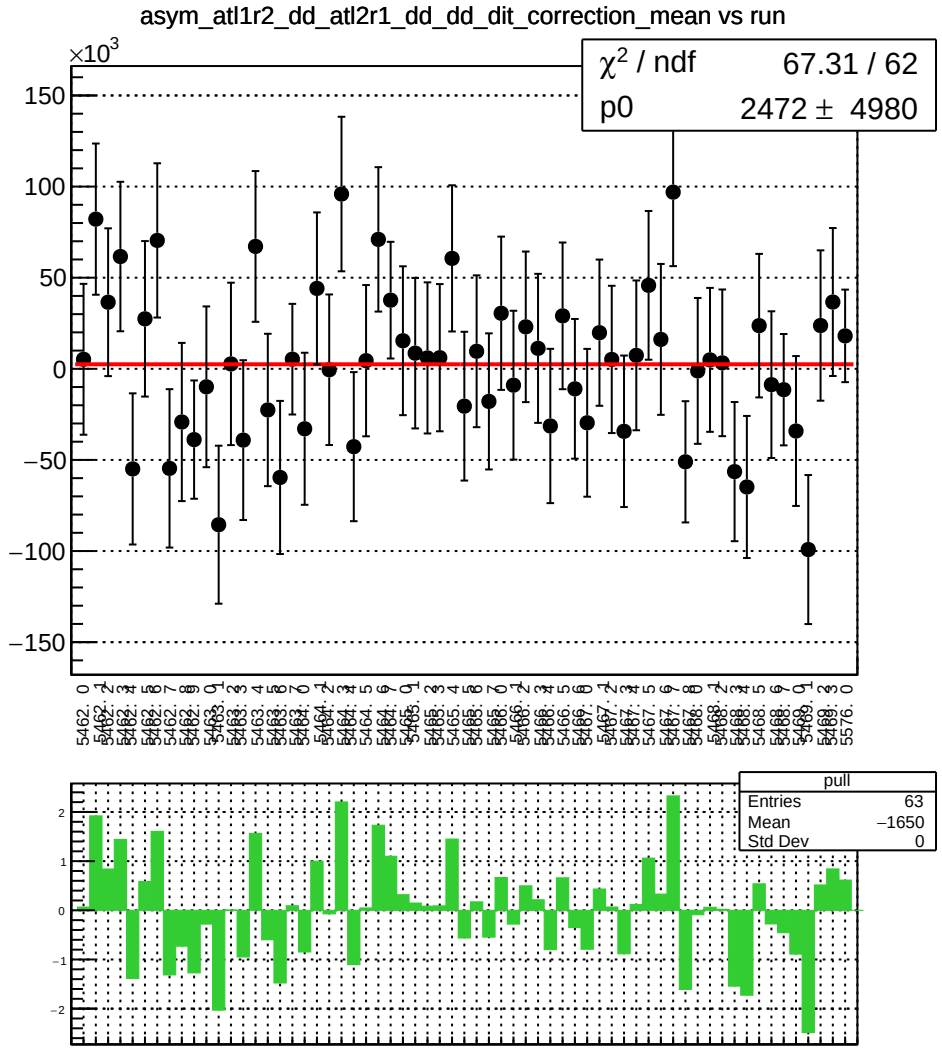
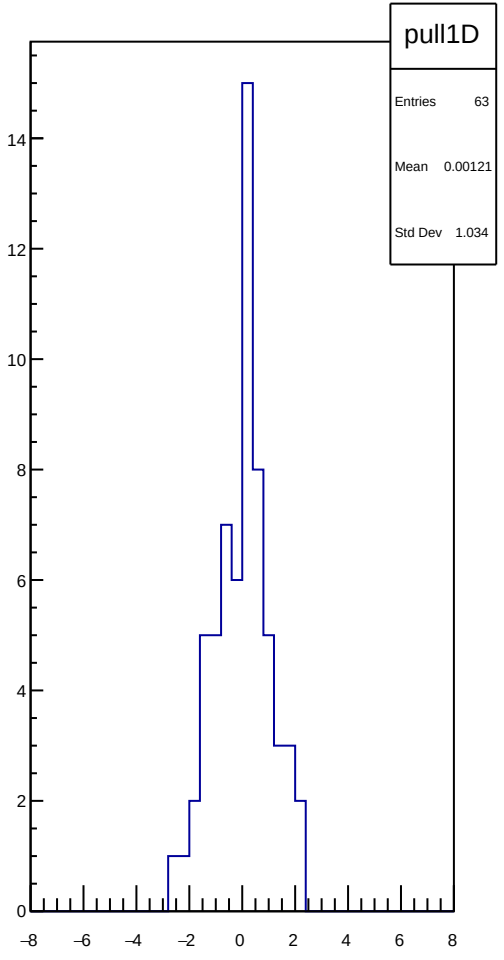
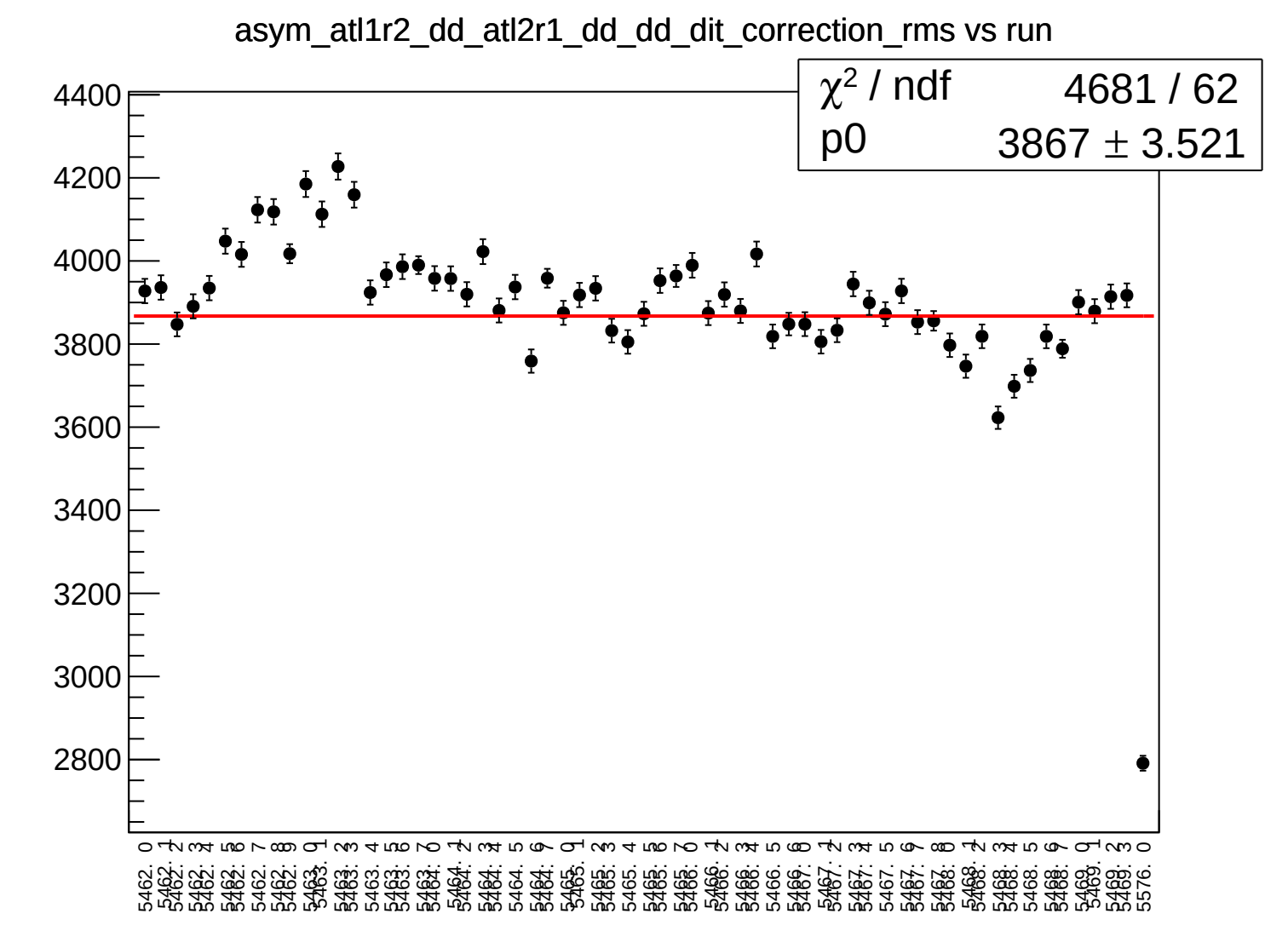
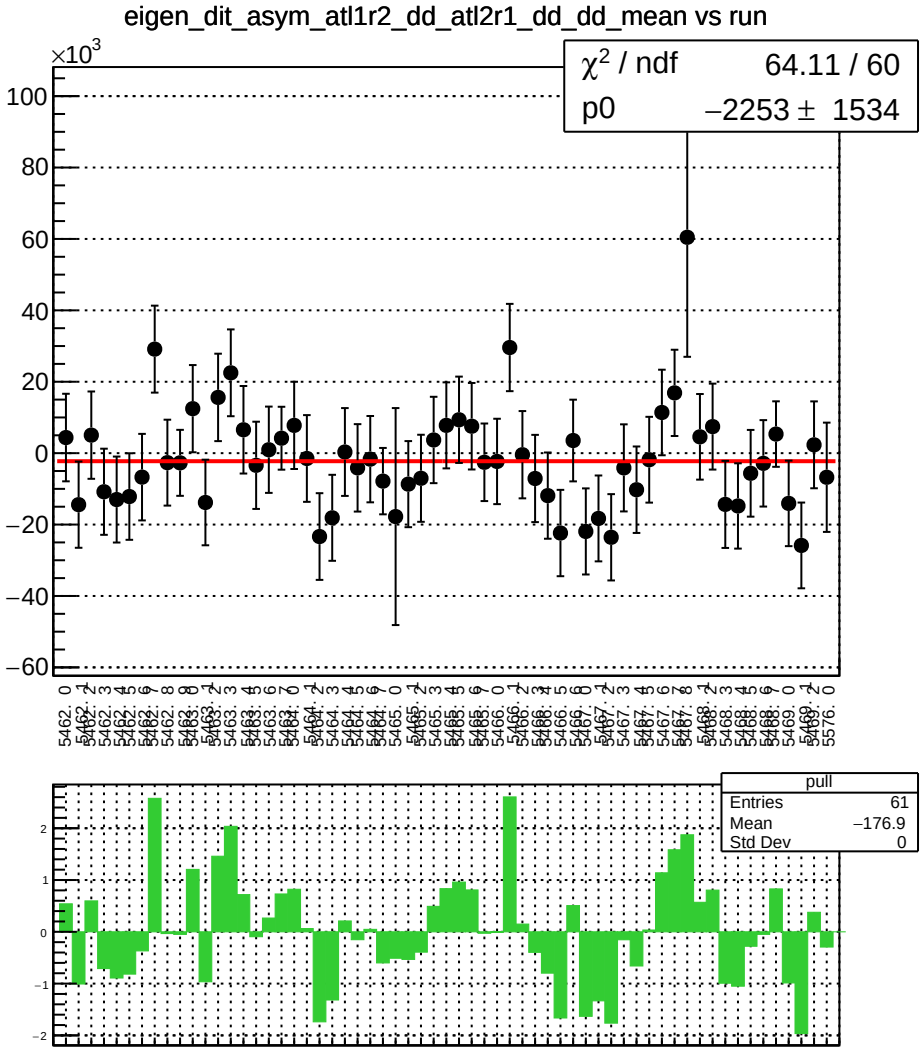
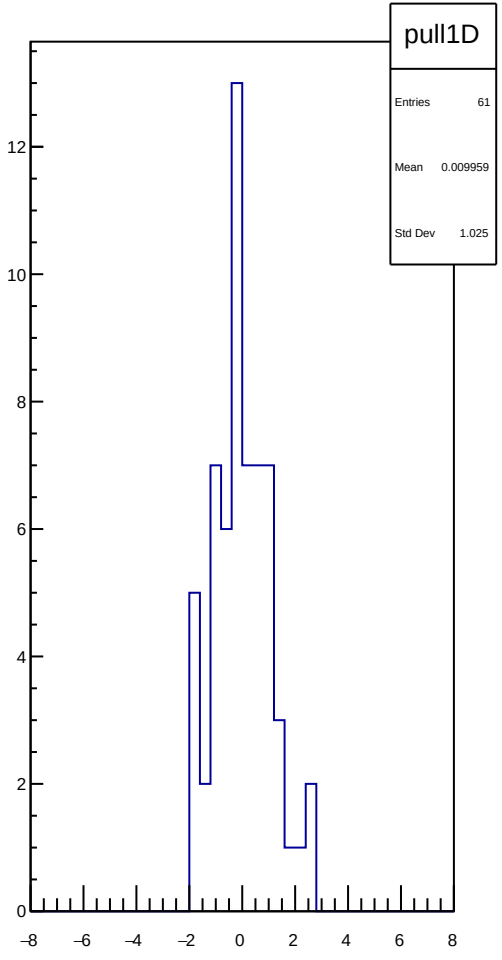
5466. 7
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

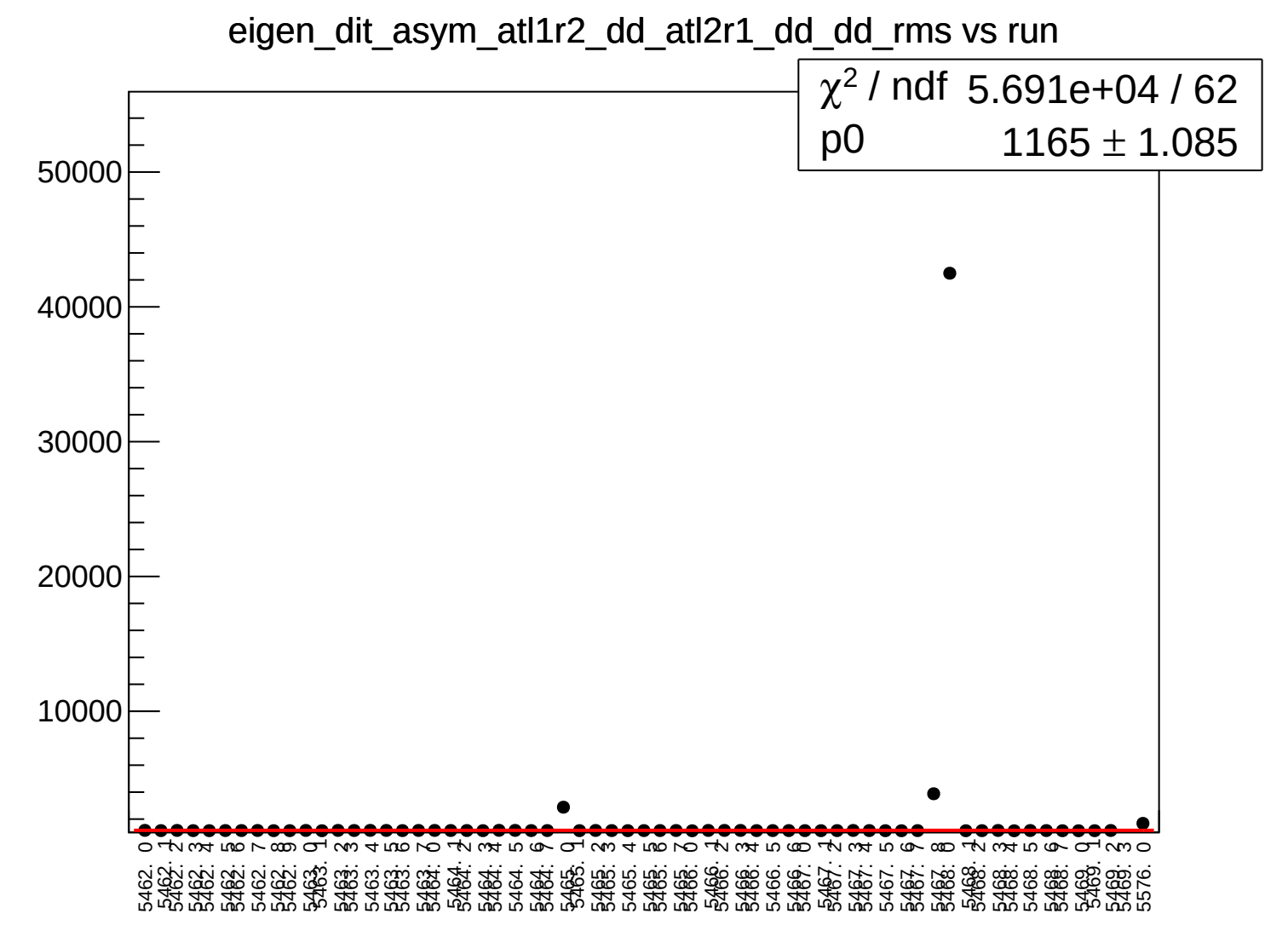

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2

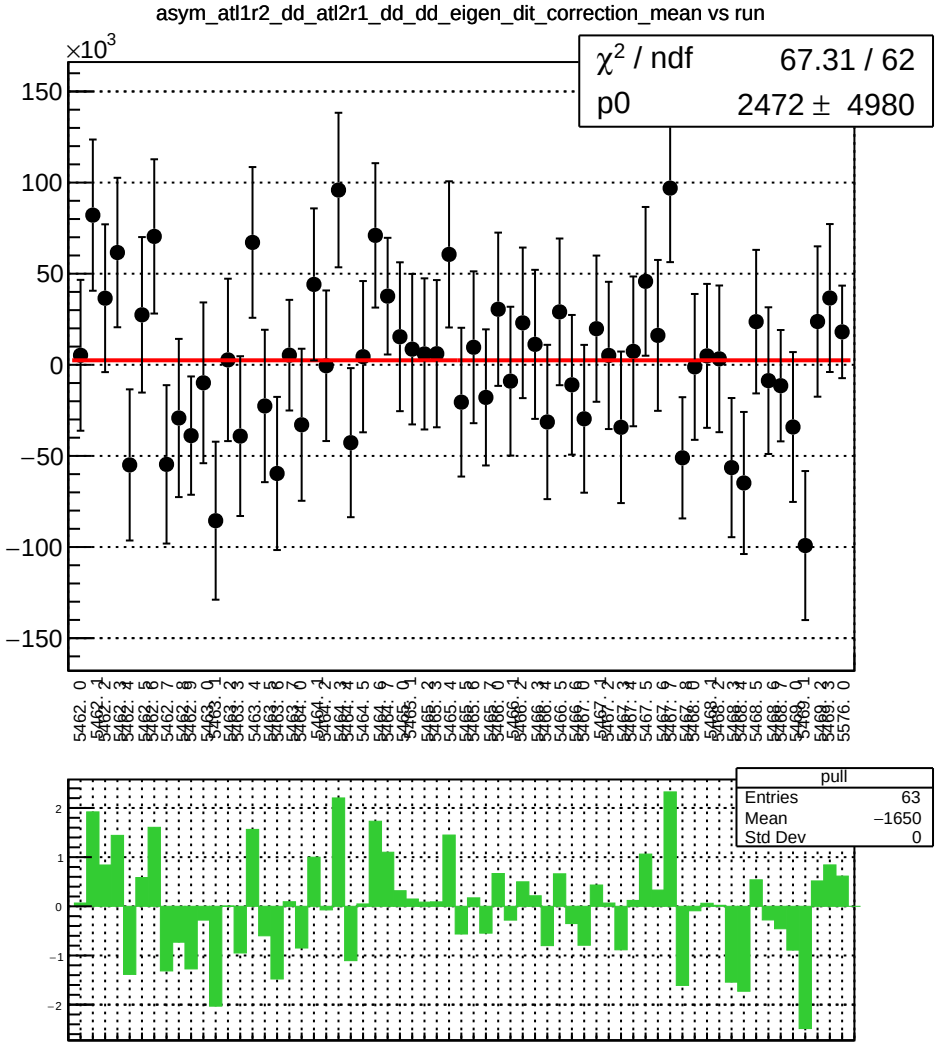

pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

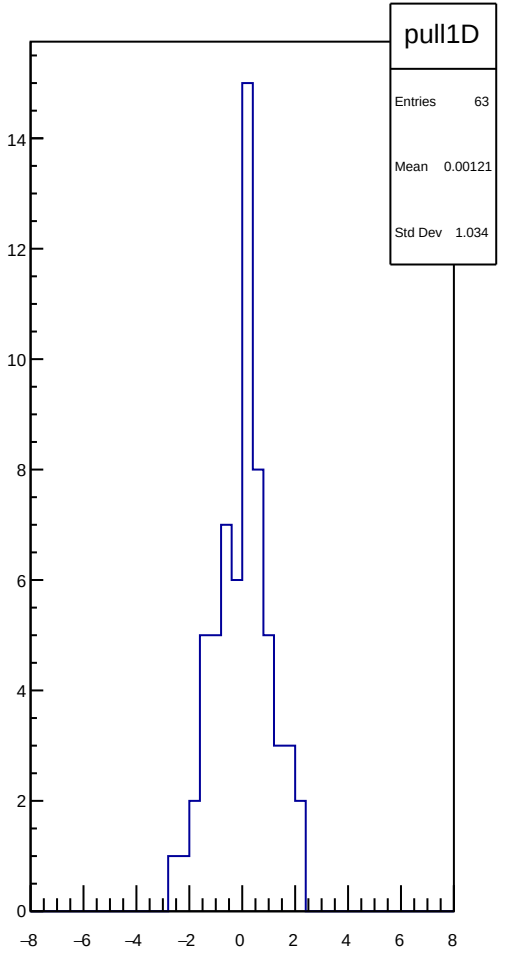

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 4681 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800

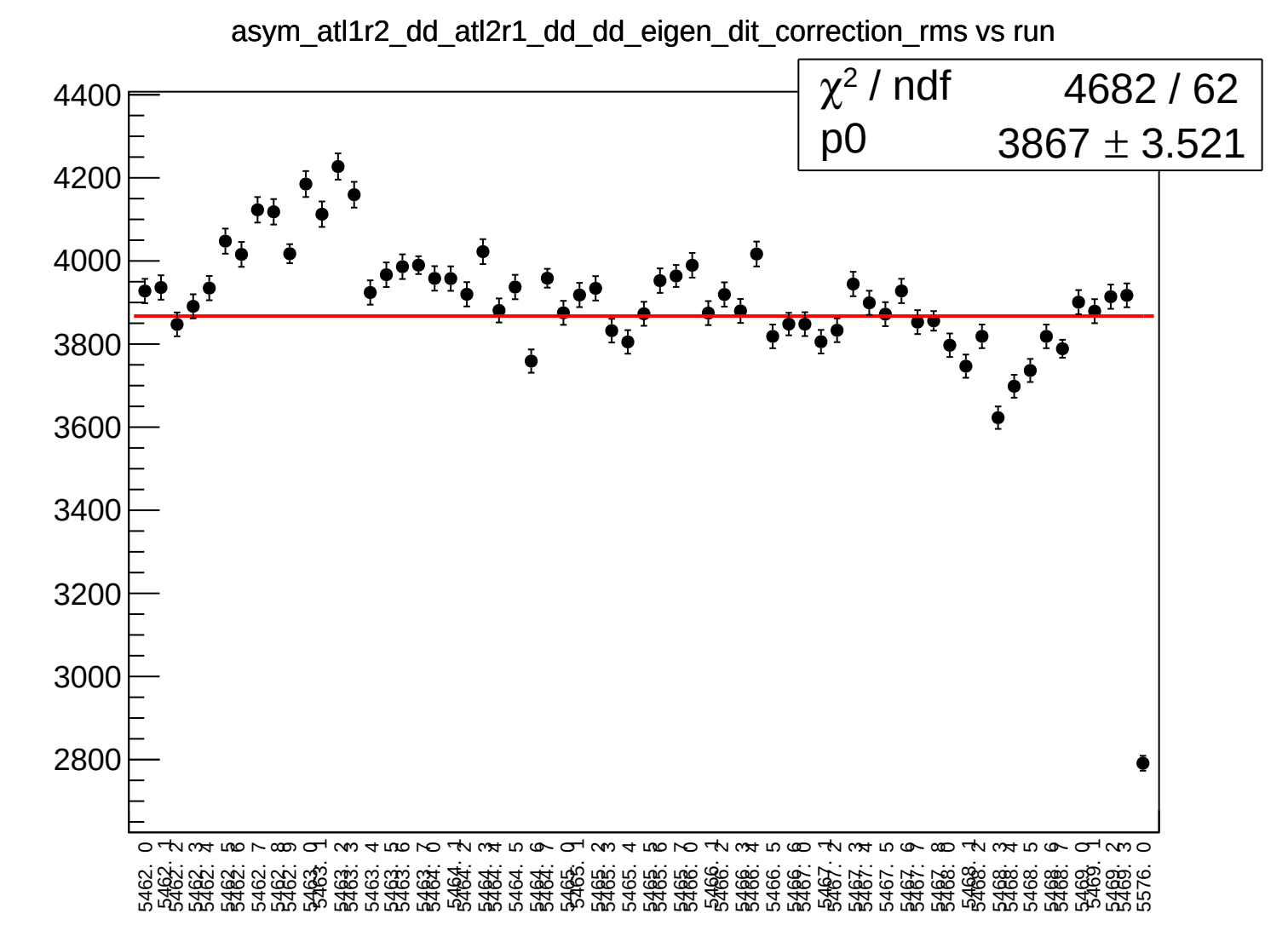

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 64.11 / 60
p0 −2253 ± 1534
pull
Entries 61
Mean −176.9
Std Dev 0

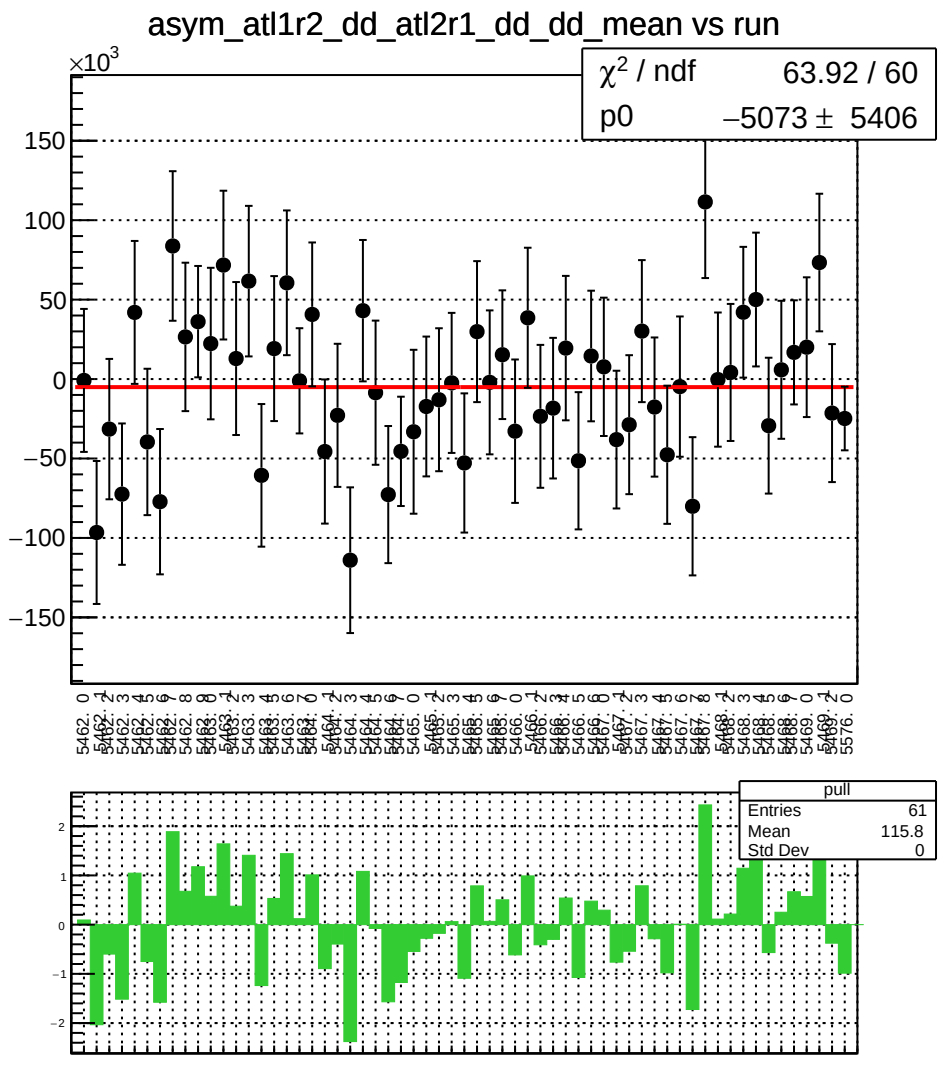

pull1D
Entries 61
Mean 0.009959
Std Dev 1.025

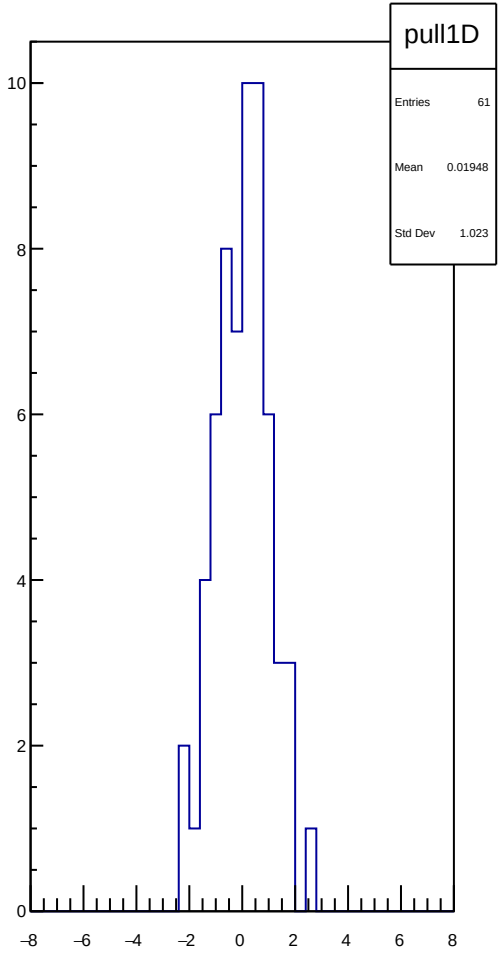

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 5.691e+04 / 62
p0 1165 ± 1.085
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

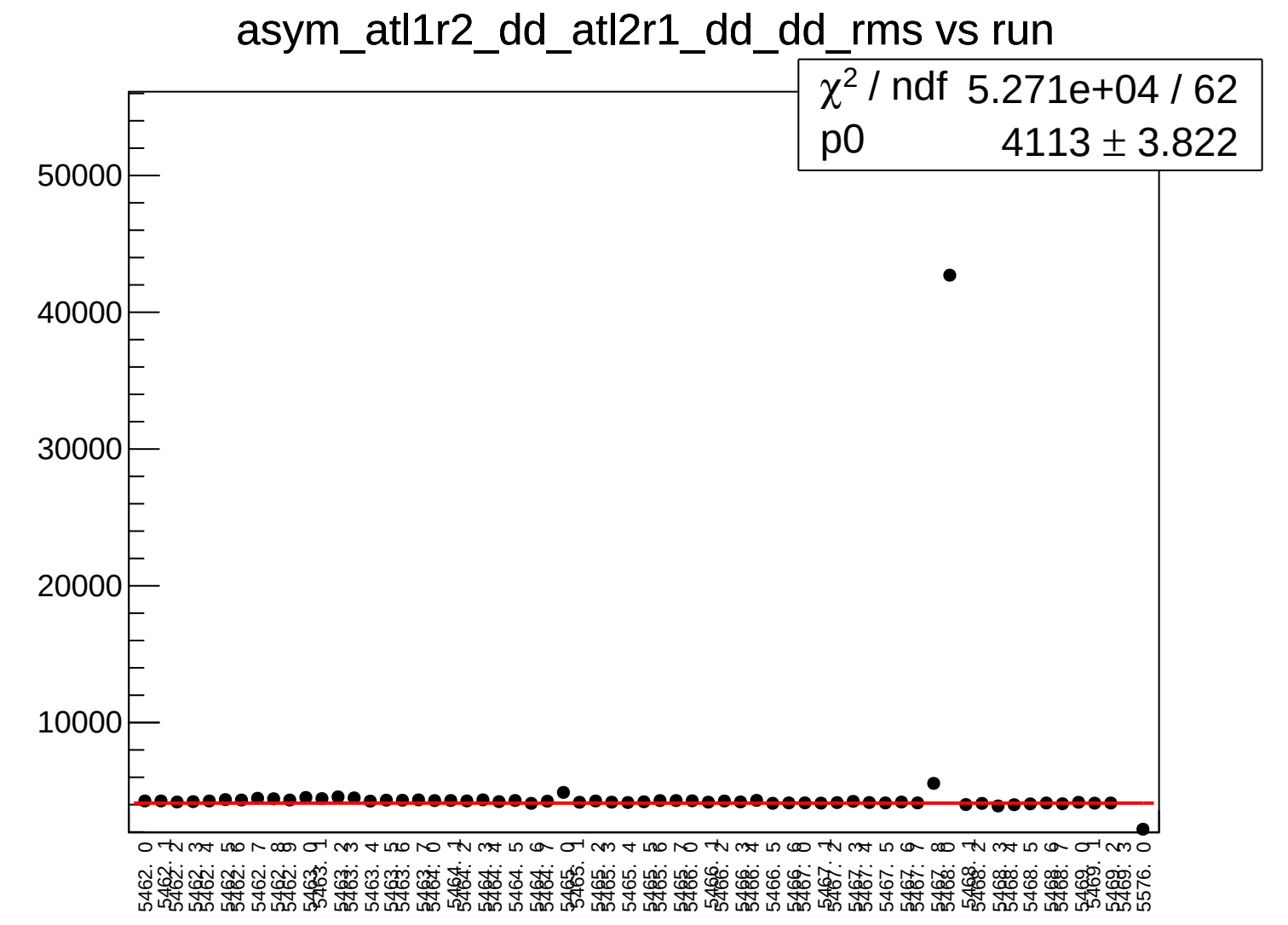

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.31 / 62
p0 2472 ± 4980
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −1650
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.00121
Std Dev 1.034
14
12
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 4682 / 62
p0 3867 ± 3.521
4400
4200
4000
3800
3600
3400
3200
3000
2800


asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 63.92 / 60
p0 −5073 ± 5406
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 115.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 61
Mean 0.01948
Std Dev 1.023
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 5.271e+04 / 62
p0 4113 ± 3.822
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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5468. 5
5468. 6
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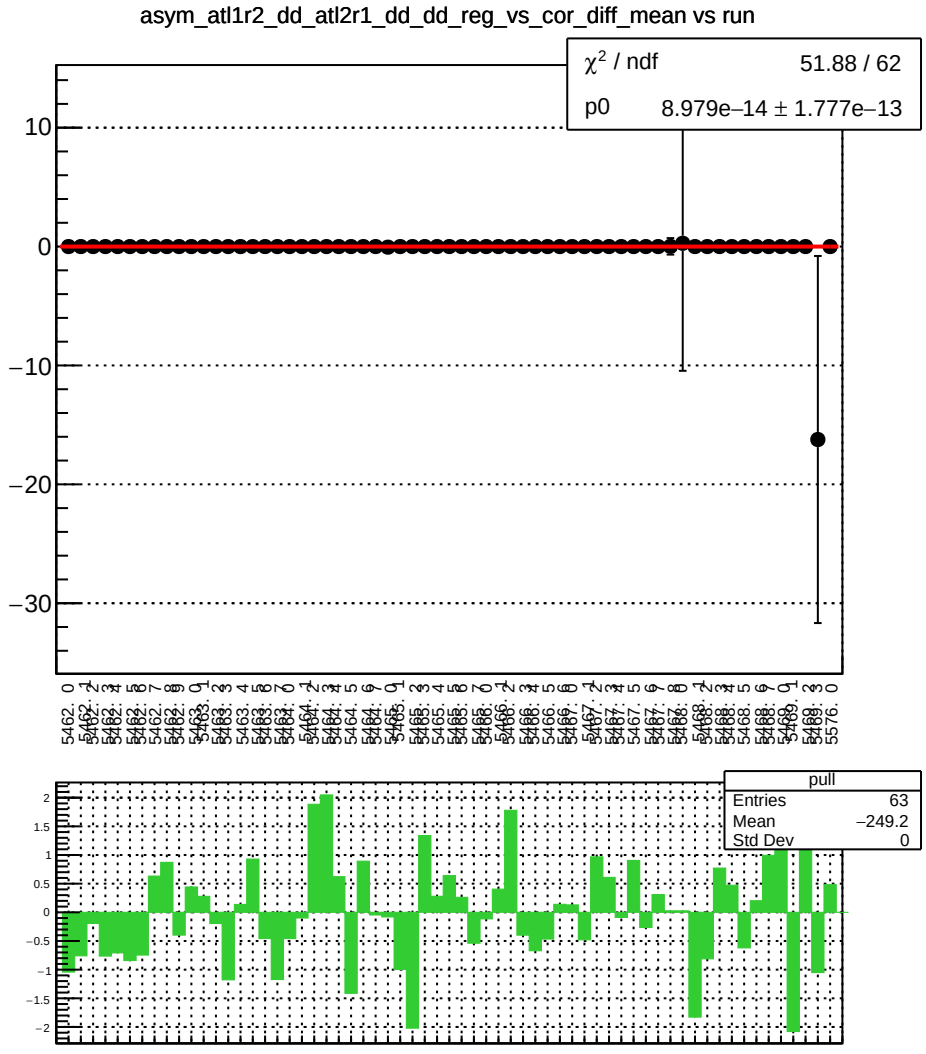
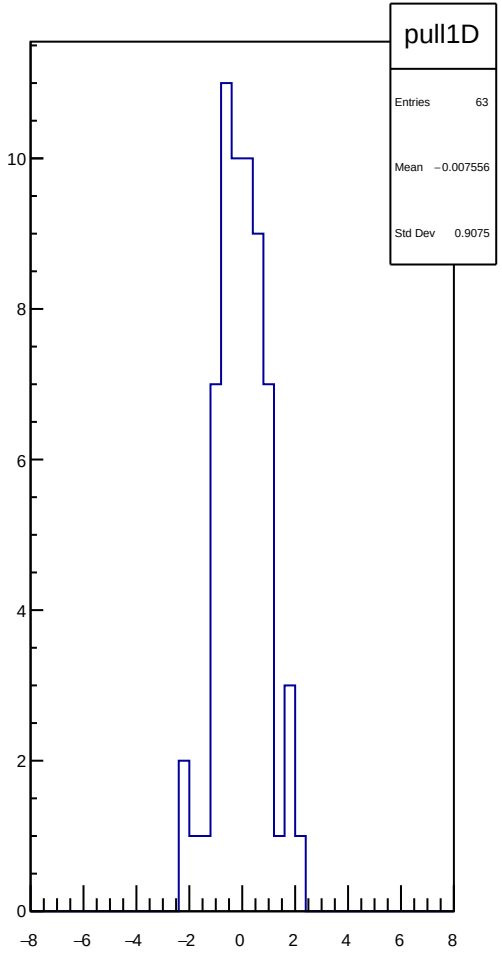
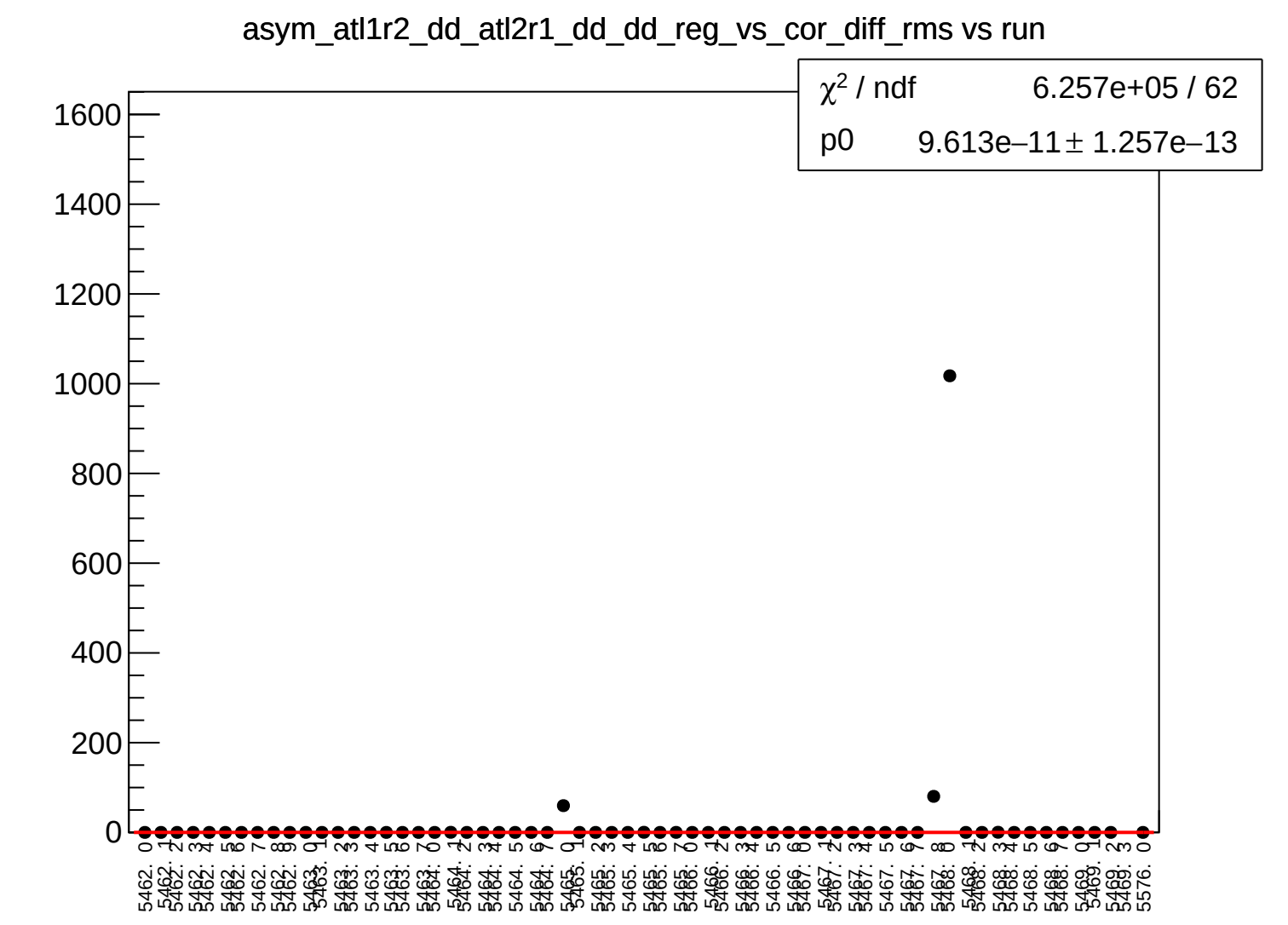
5469. 1
5469. 2
5469. 3
5576. 0


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.88 / 62
p0 8.979e−14 ± 1.777e−13
pull
Entries 63
Mean −249.2
Std Dev 0


pull1D
Entries 63
Mean −0.007556
Std Dev 0.9075


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.257e+05 / 62
p0 9.613e−11 ± 1.257e−13
1600
1400
1200
1000
800
600
400
200
0
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
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5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5463. 9
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5464. 6
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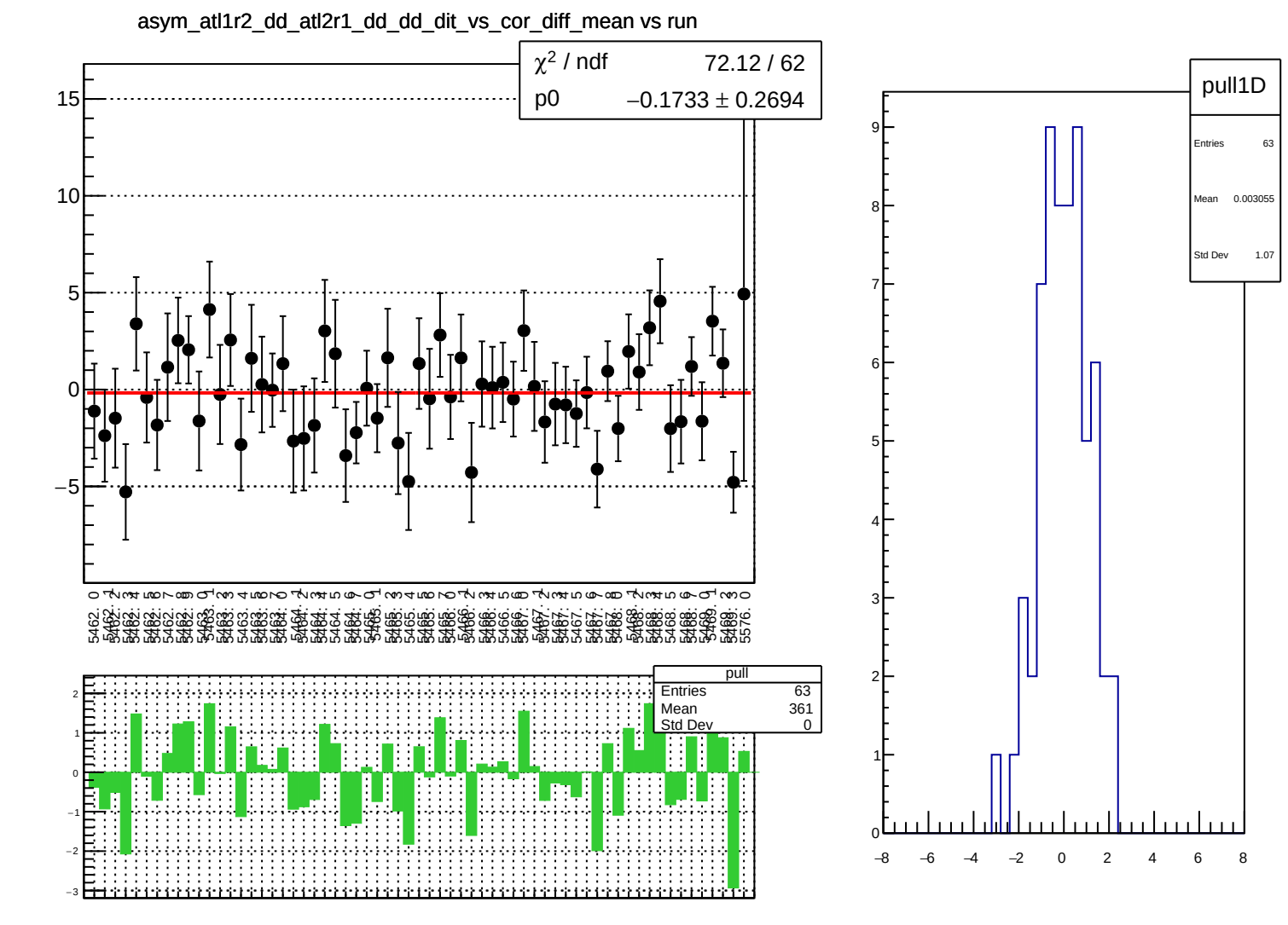
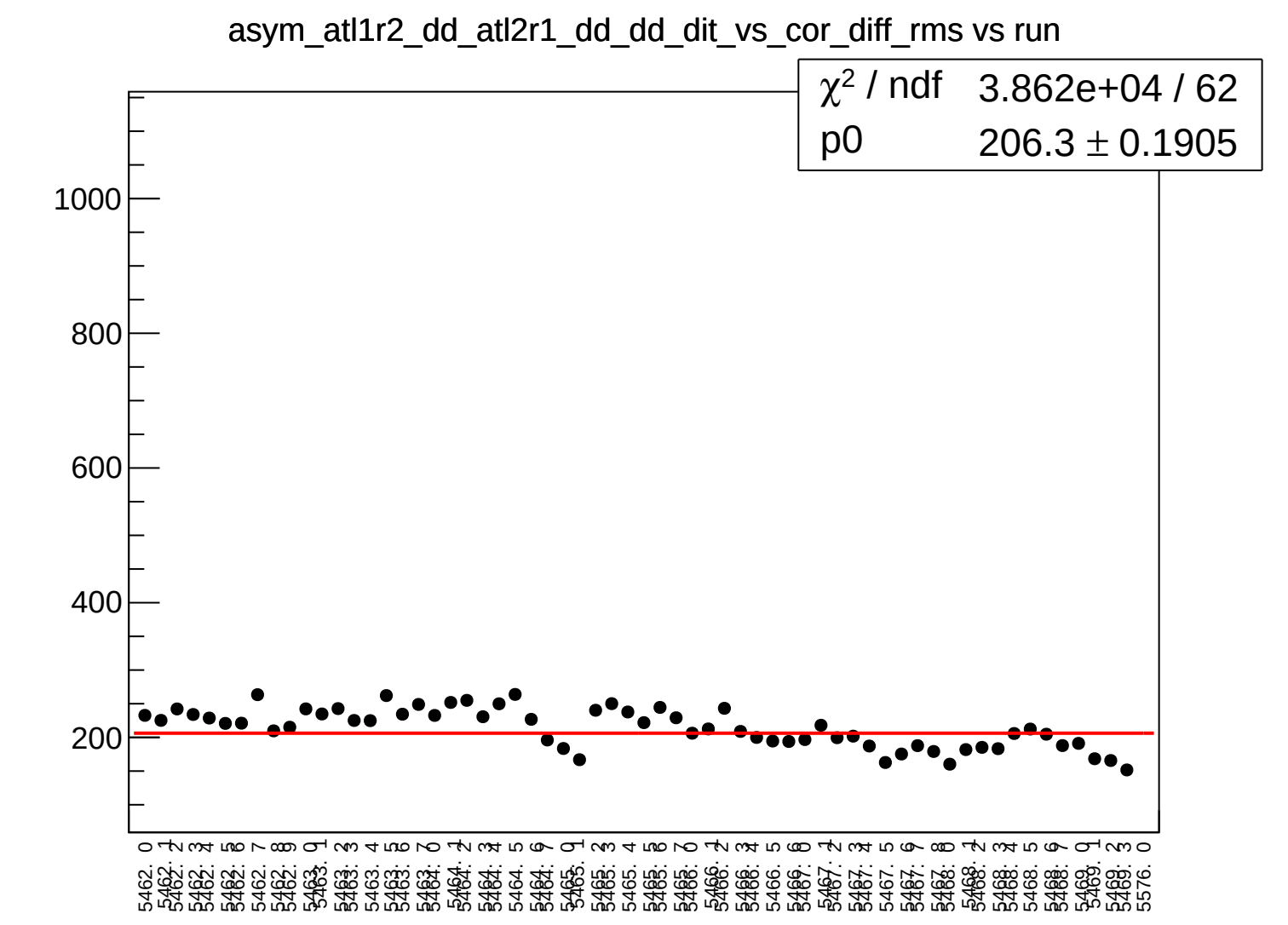
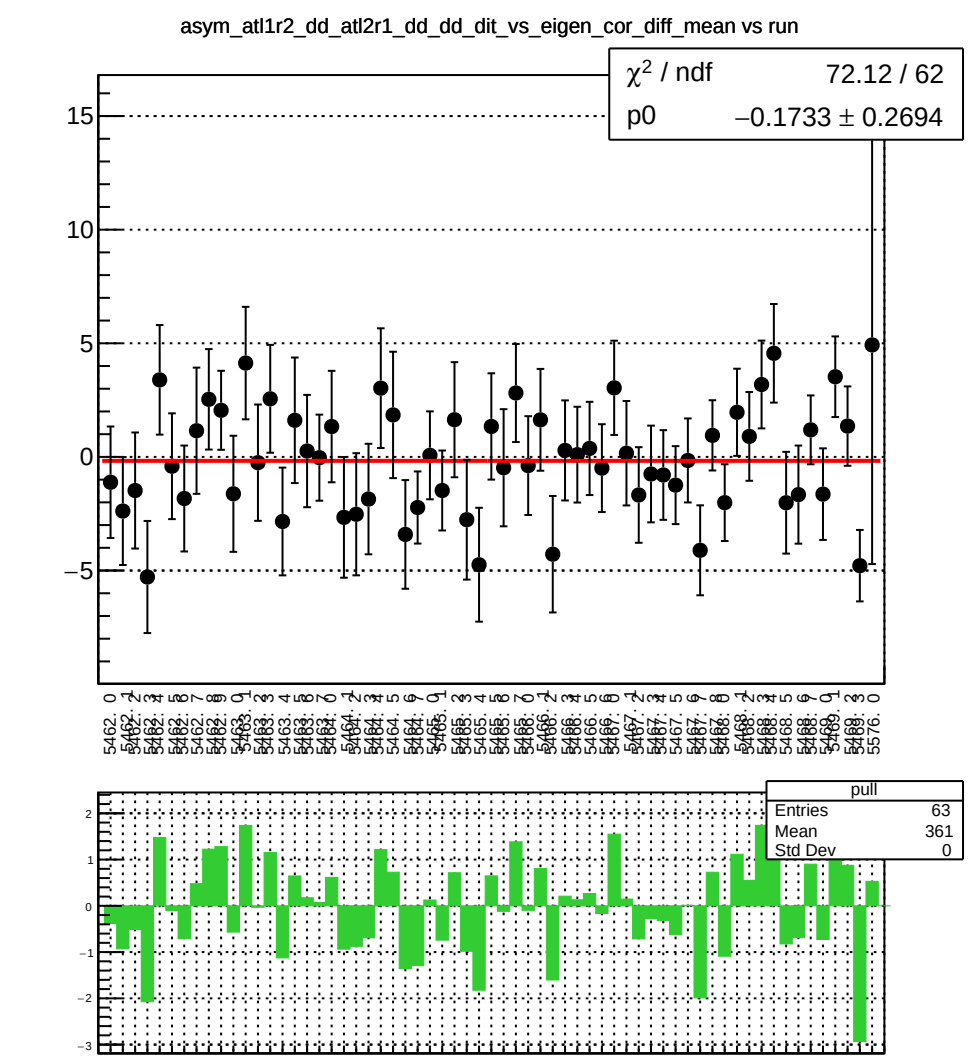
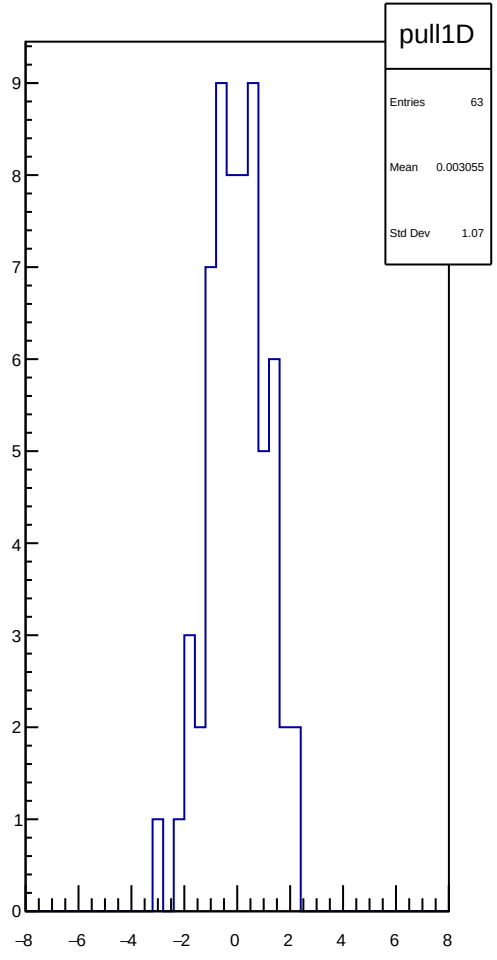
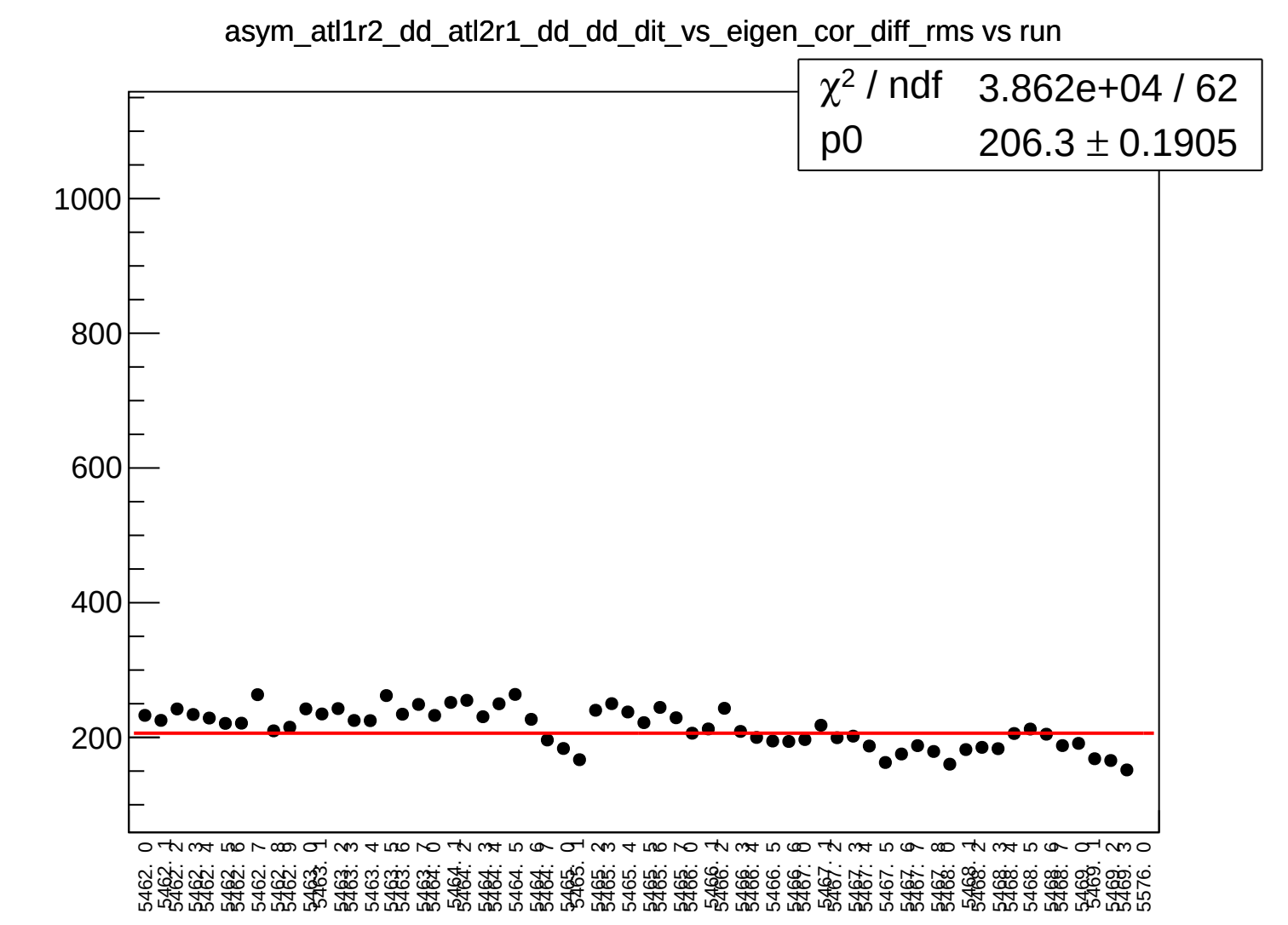
5576. 0

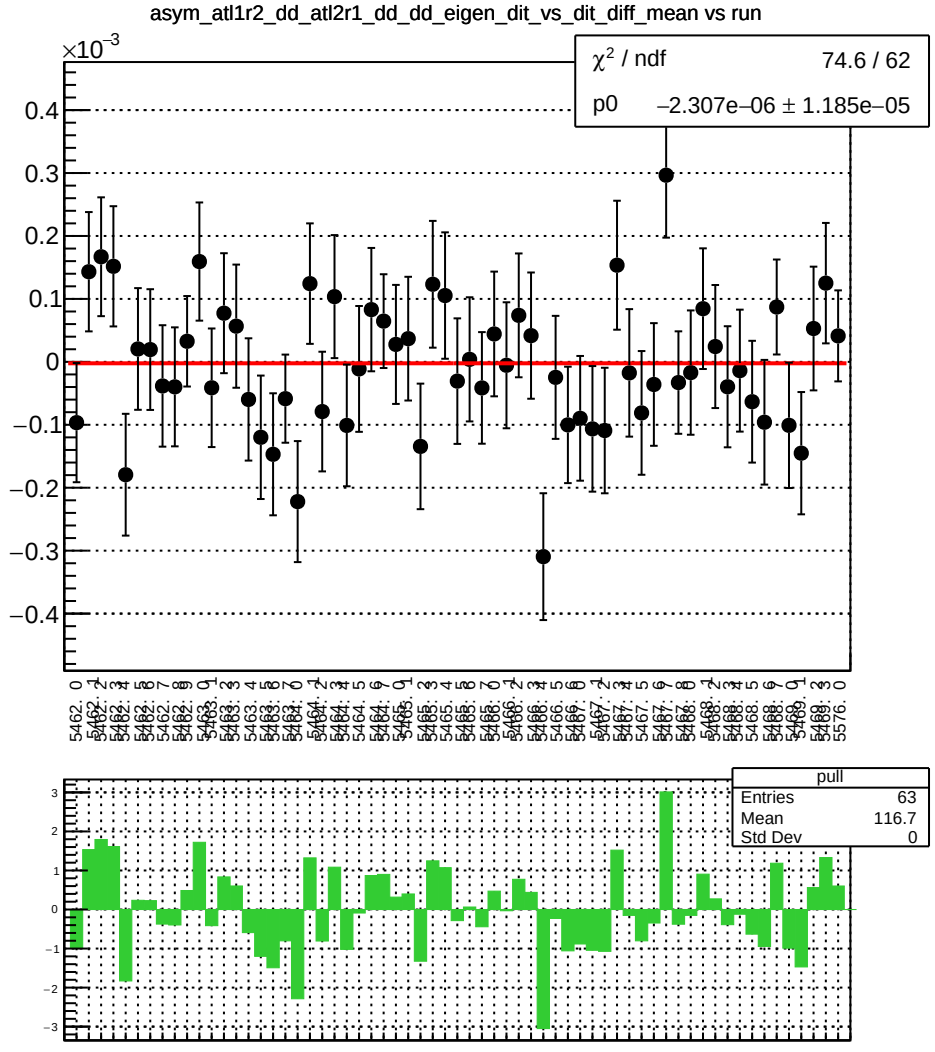

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

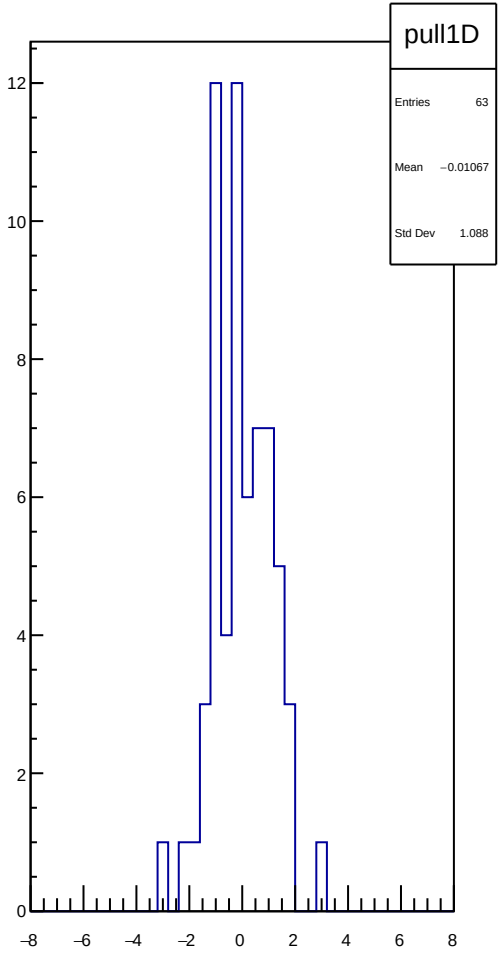

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200

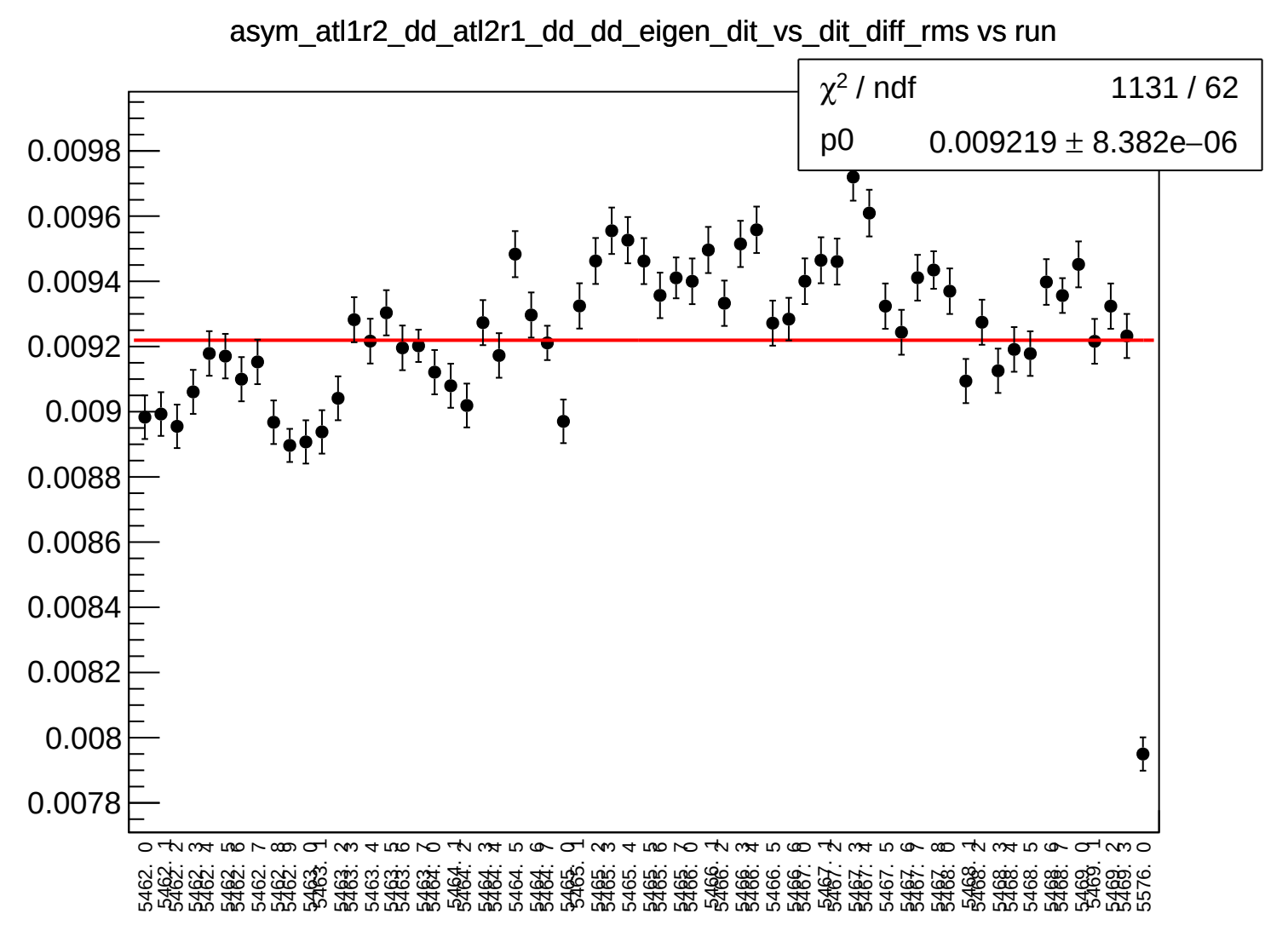

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361
Std Dev 0

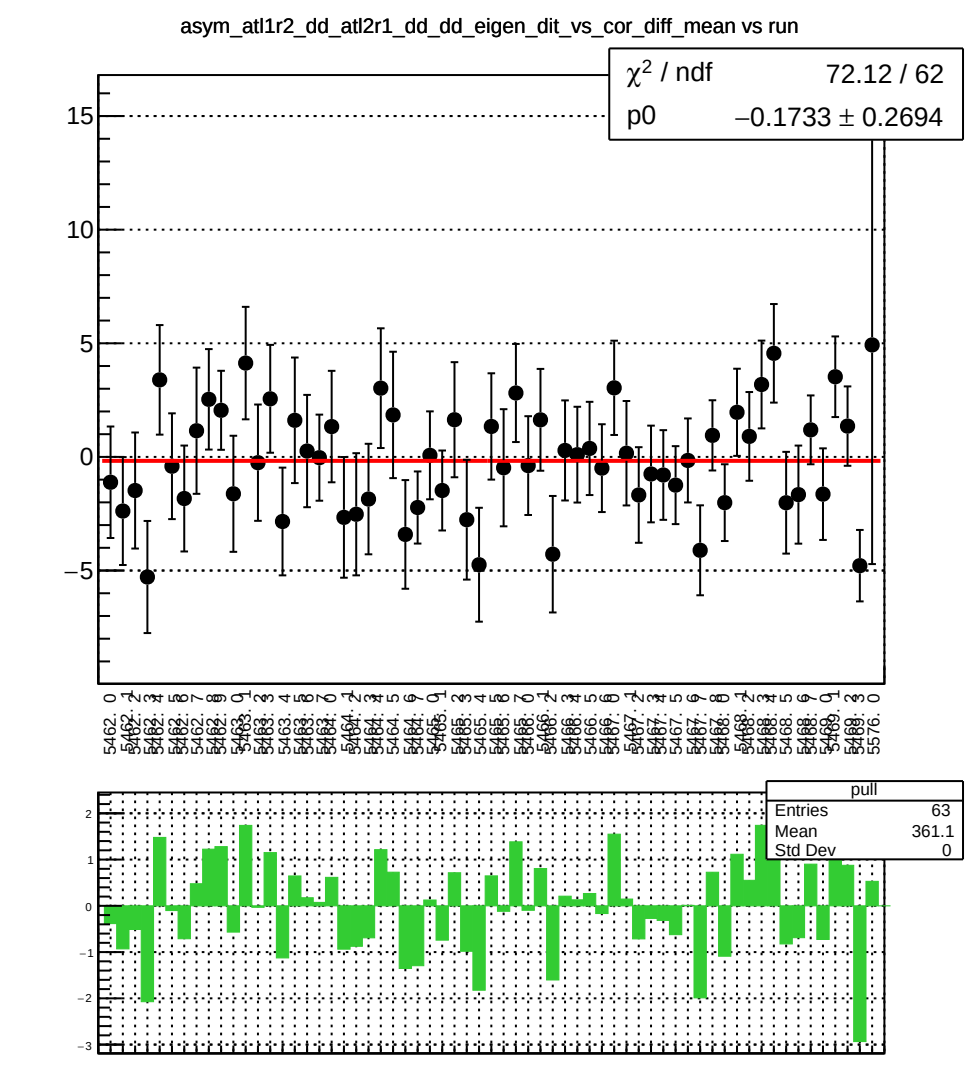

pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

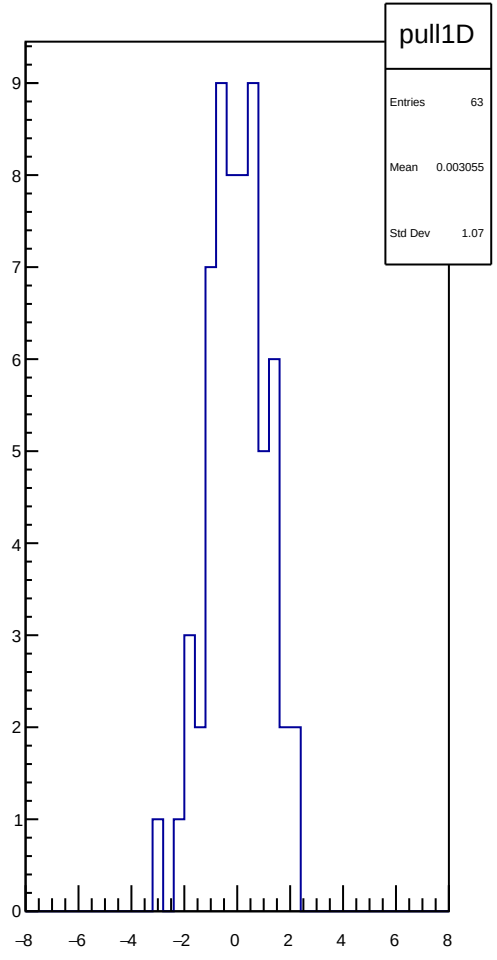

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.3 ± 0.1905
1000
800
600
400
200

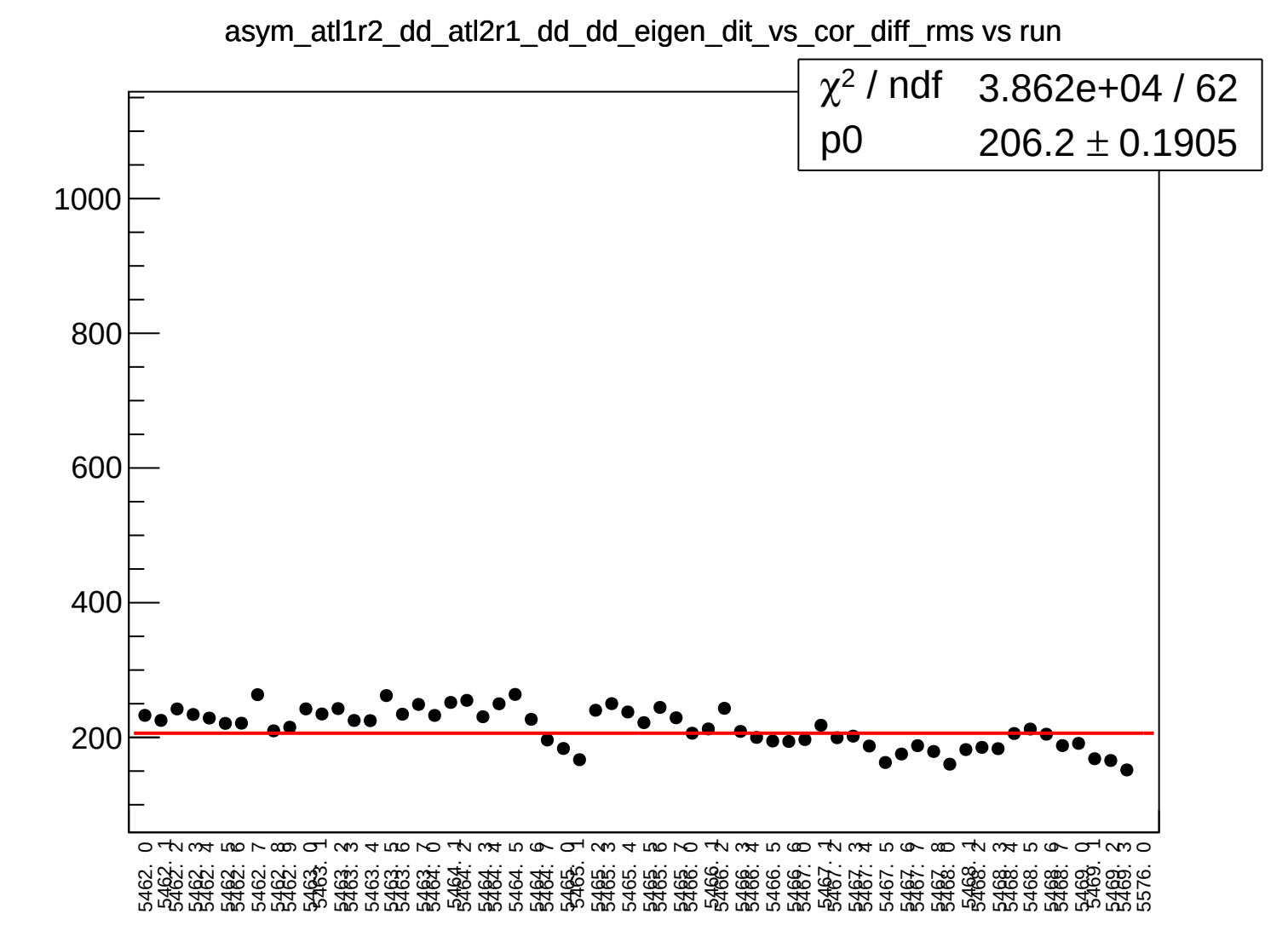

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.6 / 62
p0 −2.307e−06 ± 1.185e−05
pull
Entries 63
Mean 116.7
Std Dev 0

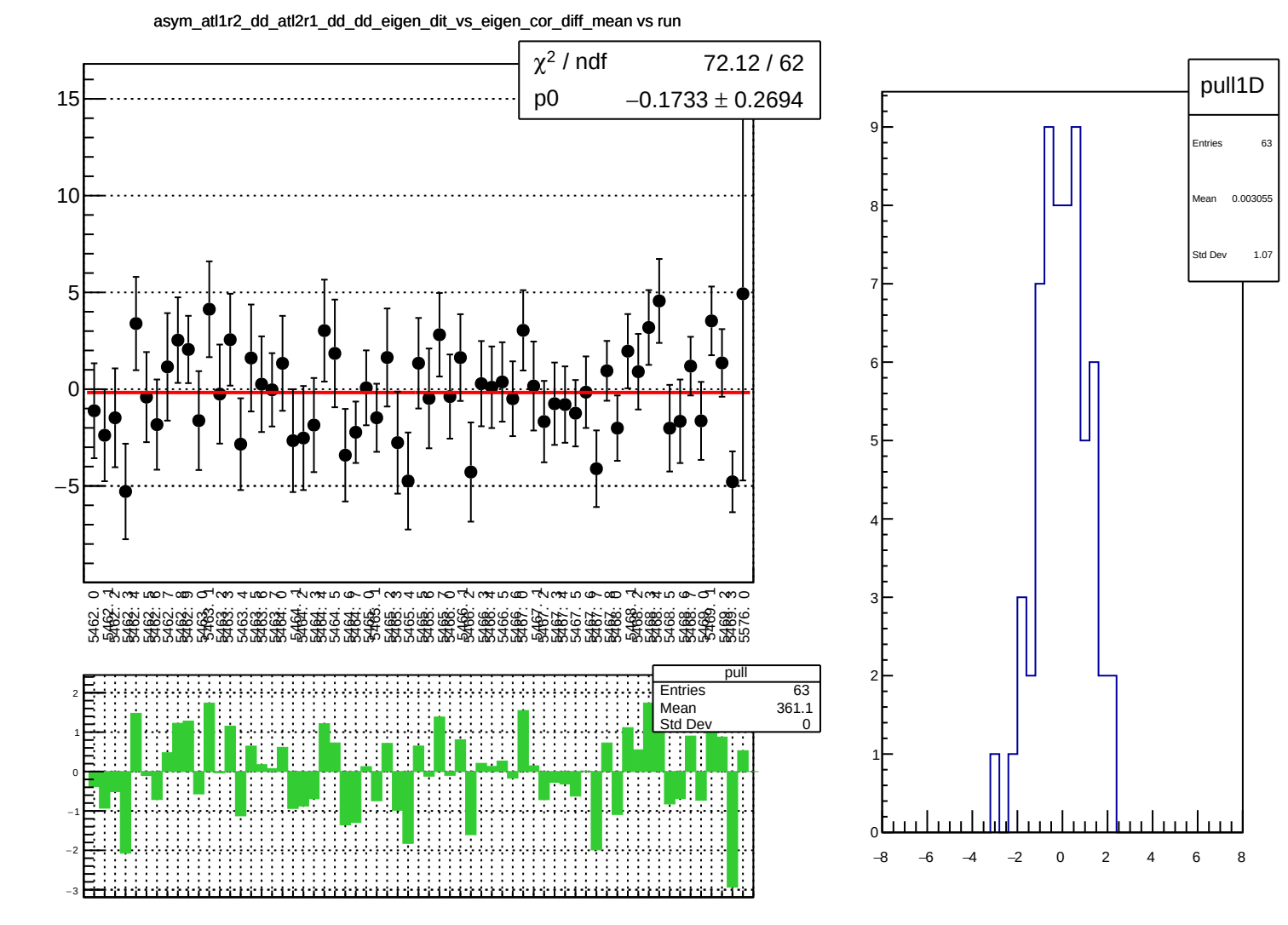

pull1D
Entries 63
Mean −0.01067
Std Dev 1.088

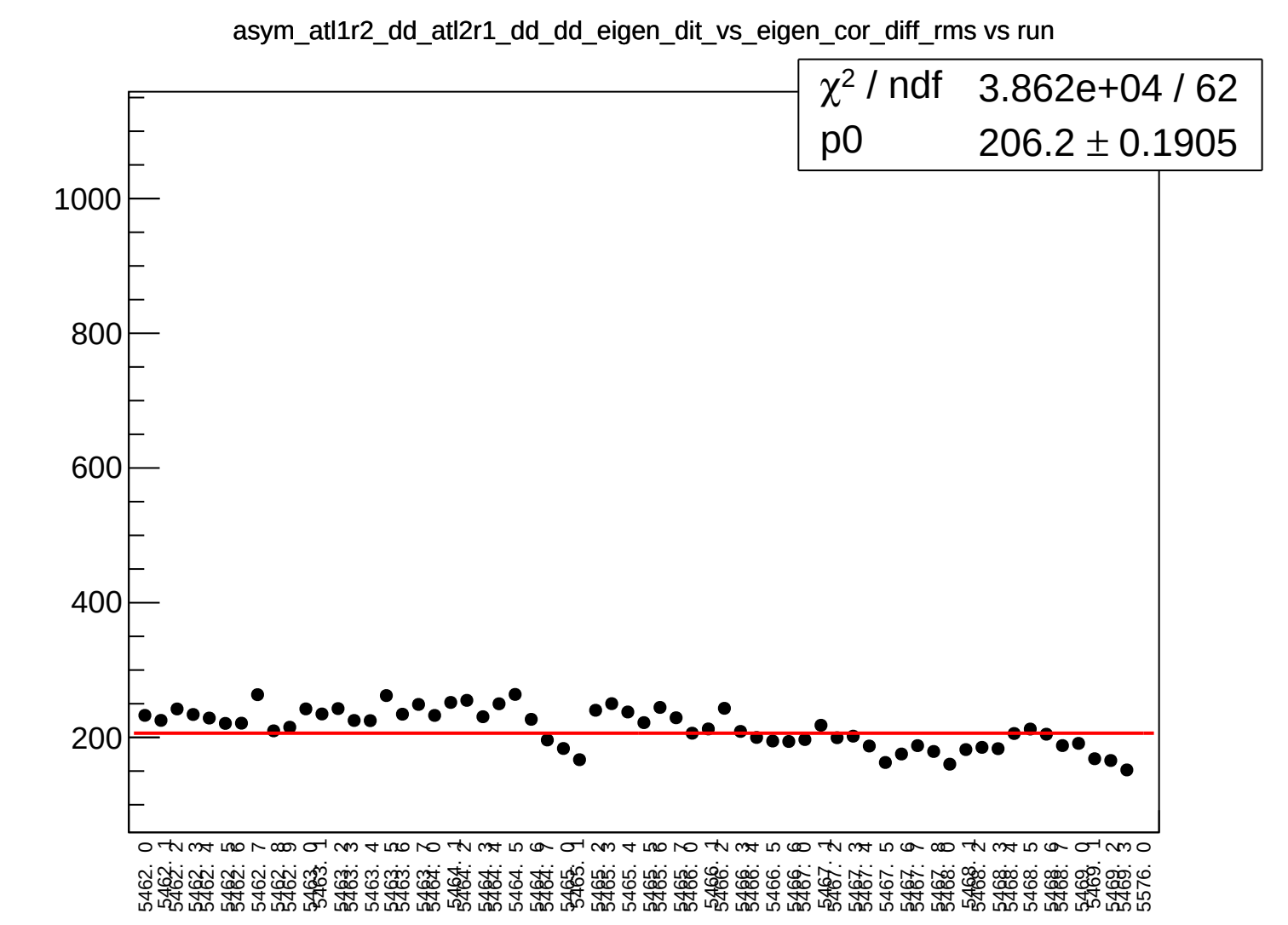

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1131 / 62
p0 0.009219 ± 8.382e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078

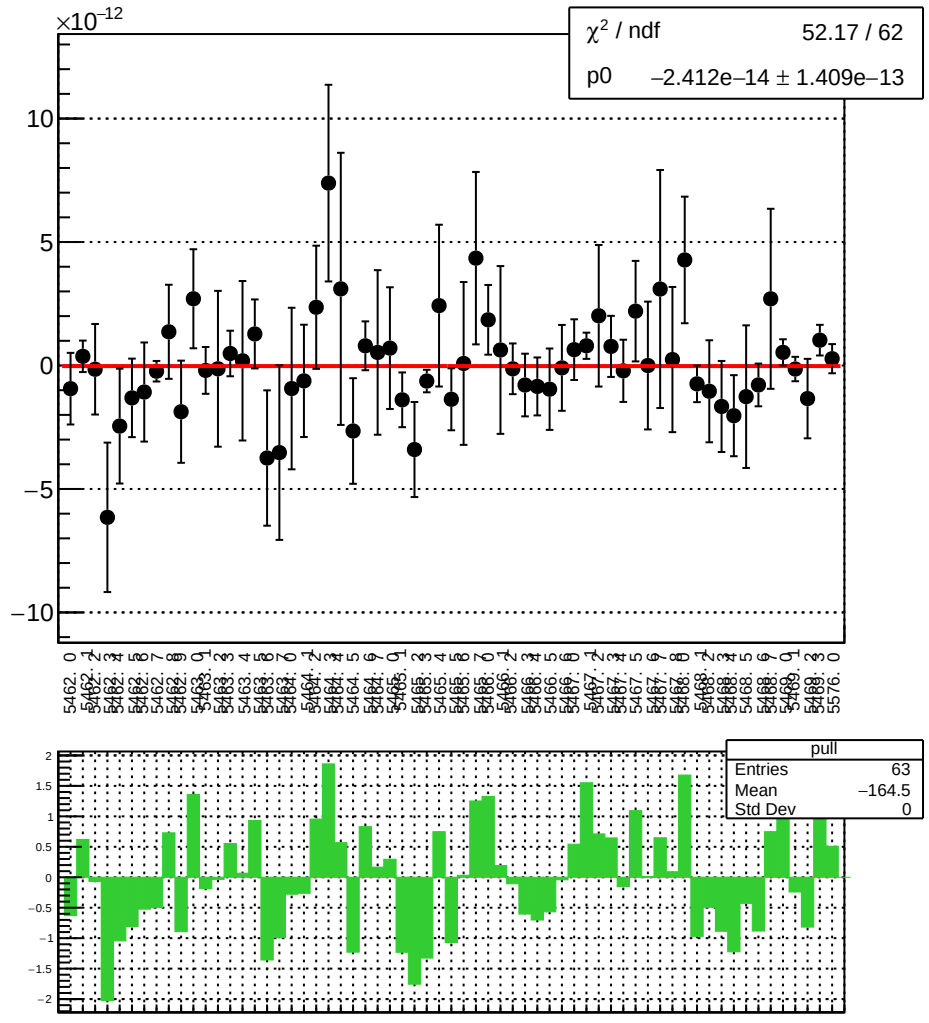

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0

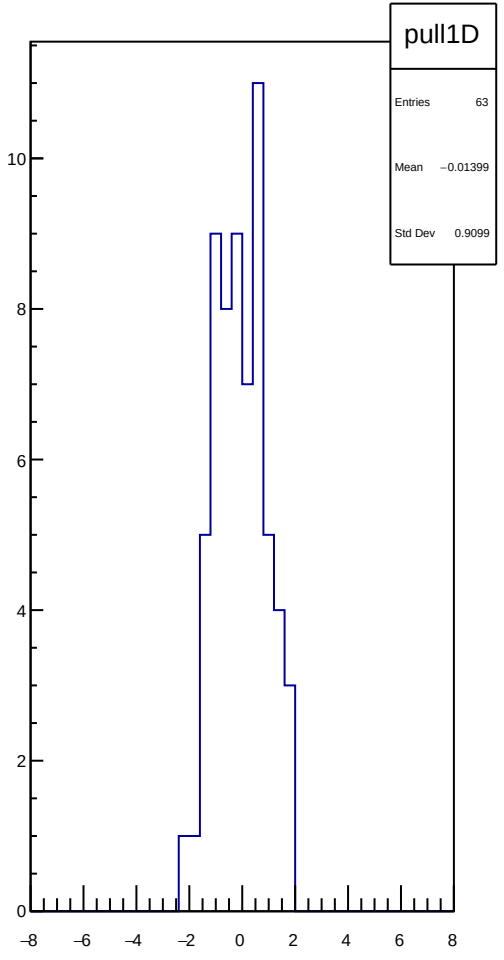

pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

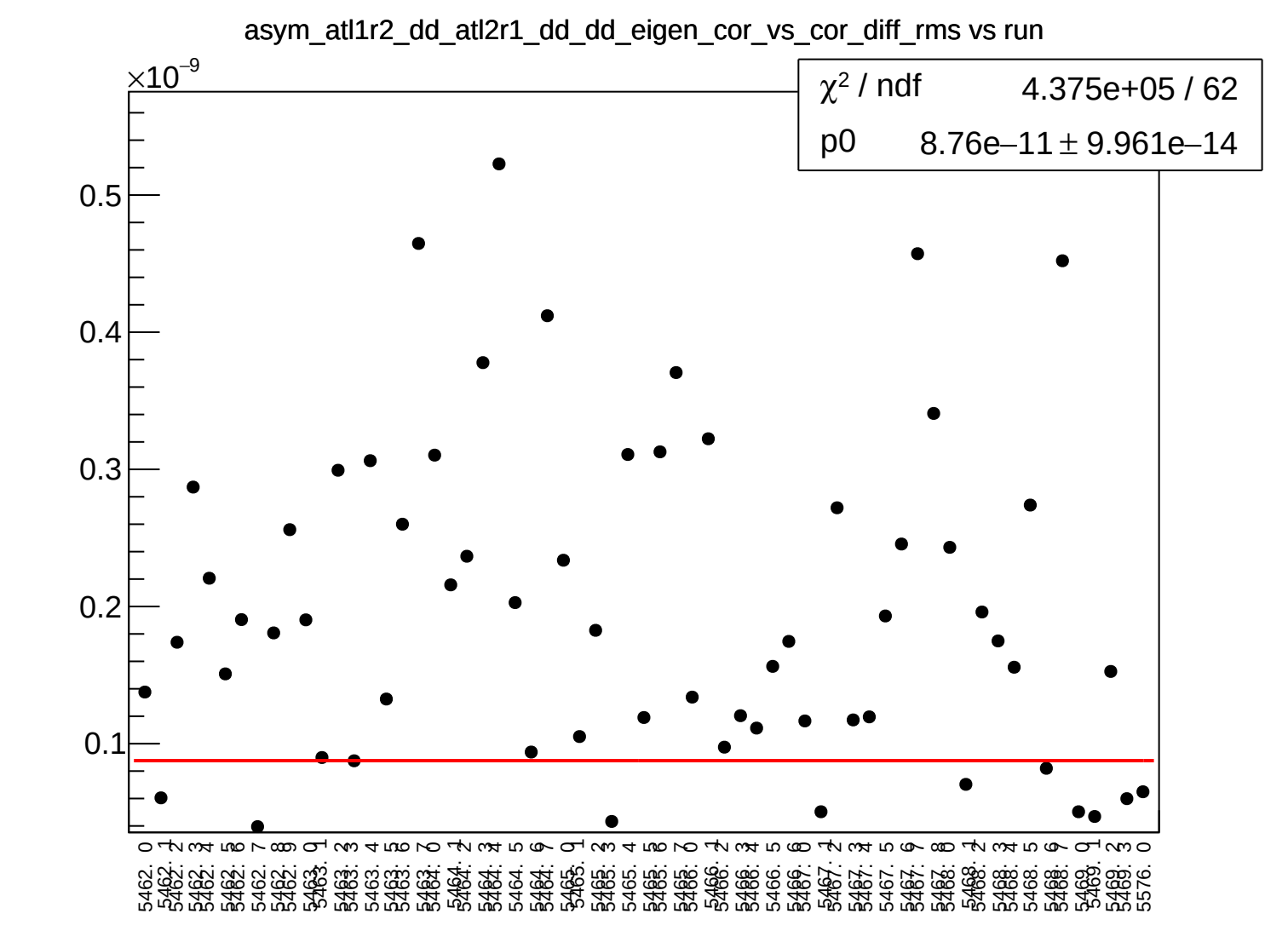

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

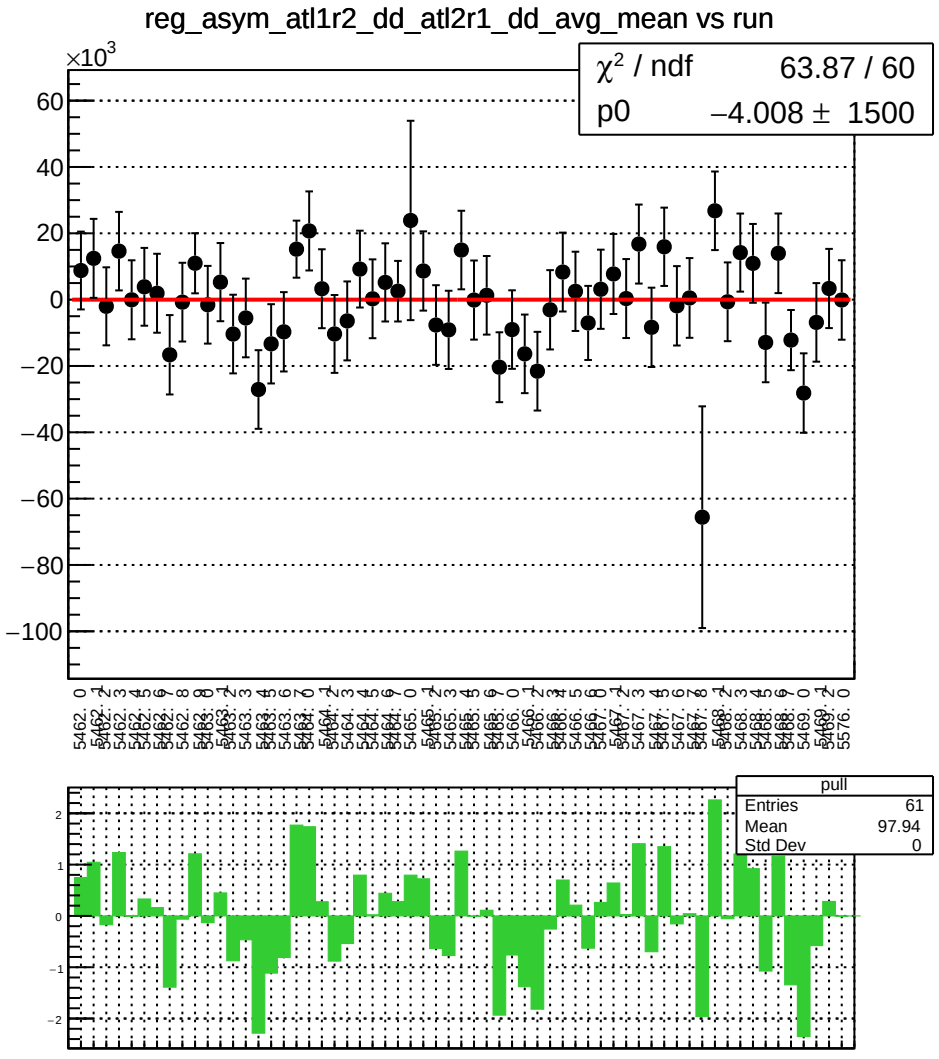

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.12 / 62
p0 −0.1733 ± 0.2694
pull
Entries 63
Mean 361.1
Std Dev 0
pull1D
Entries 63
Mean 0.003055
Std Dev 1.07

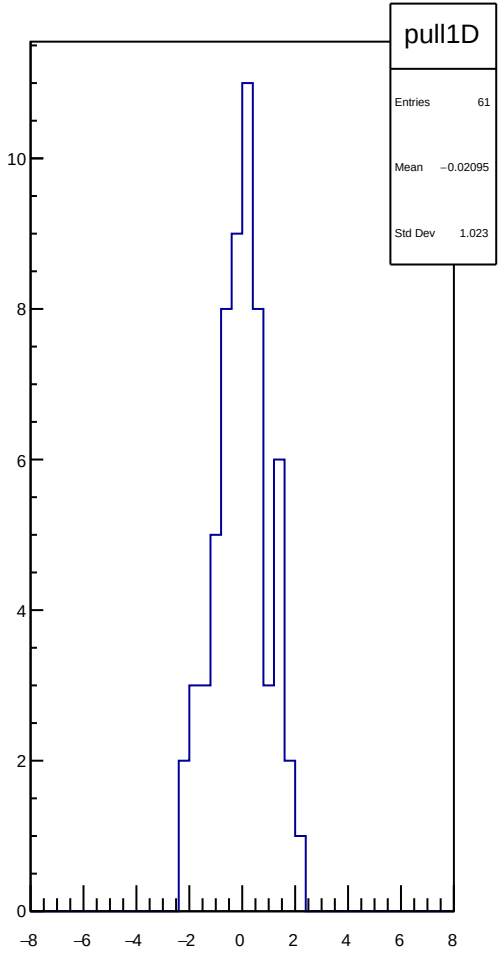

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.862e+04 / 62
p0 206.2 ± 0.1905
1000
800
600
400
200

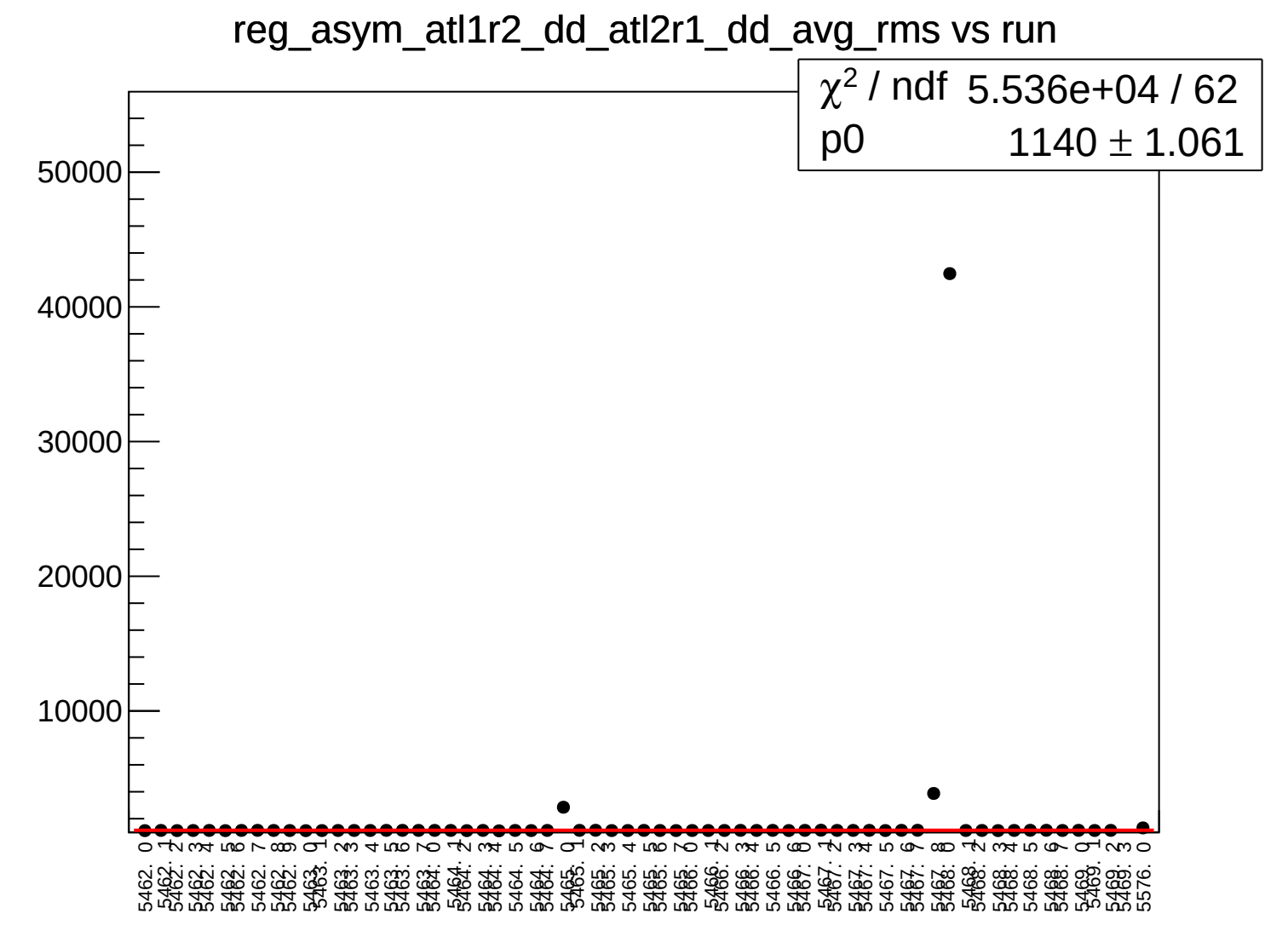

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.17 / 62
p0 −2.412e−14 ± 1.409e−13
pull
Entries 63
Mean −164.5
Std Dev 0

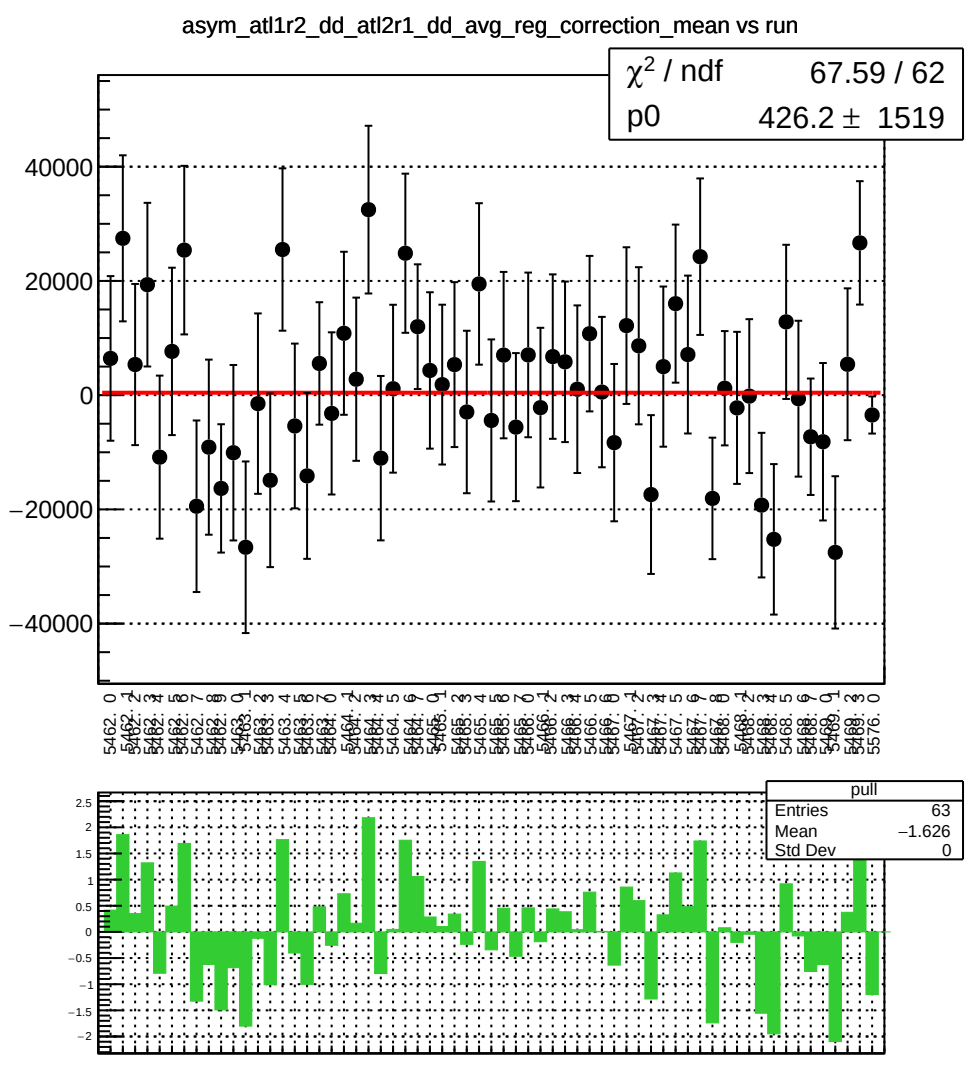

pull1D
Entries 63
Mean −0.01399
Std Dev 0.9099

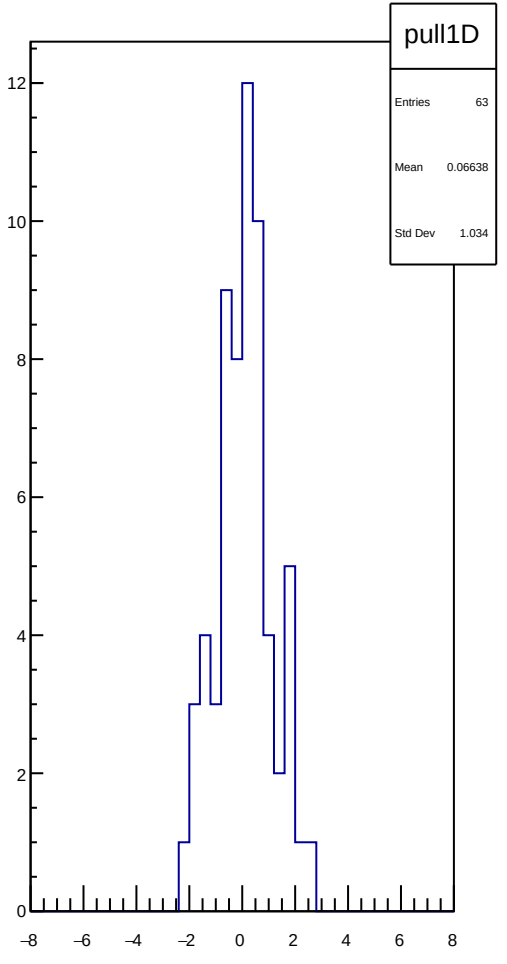

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.375e+05 / 62
p0 8.76e−11 ± 9.961e−14
0.5
0.4
0.3
0.2
0.1

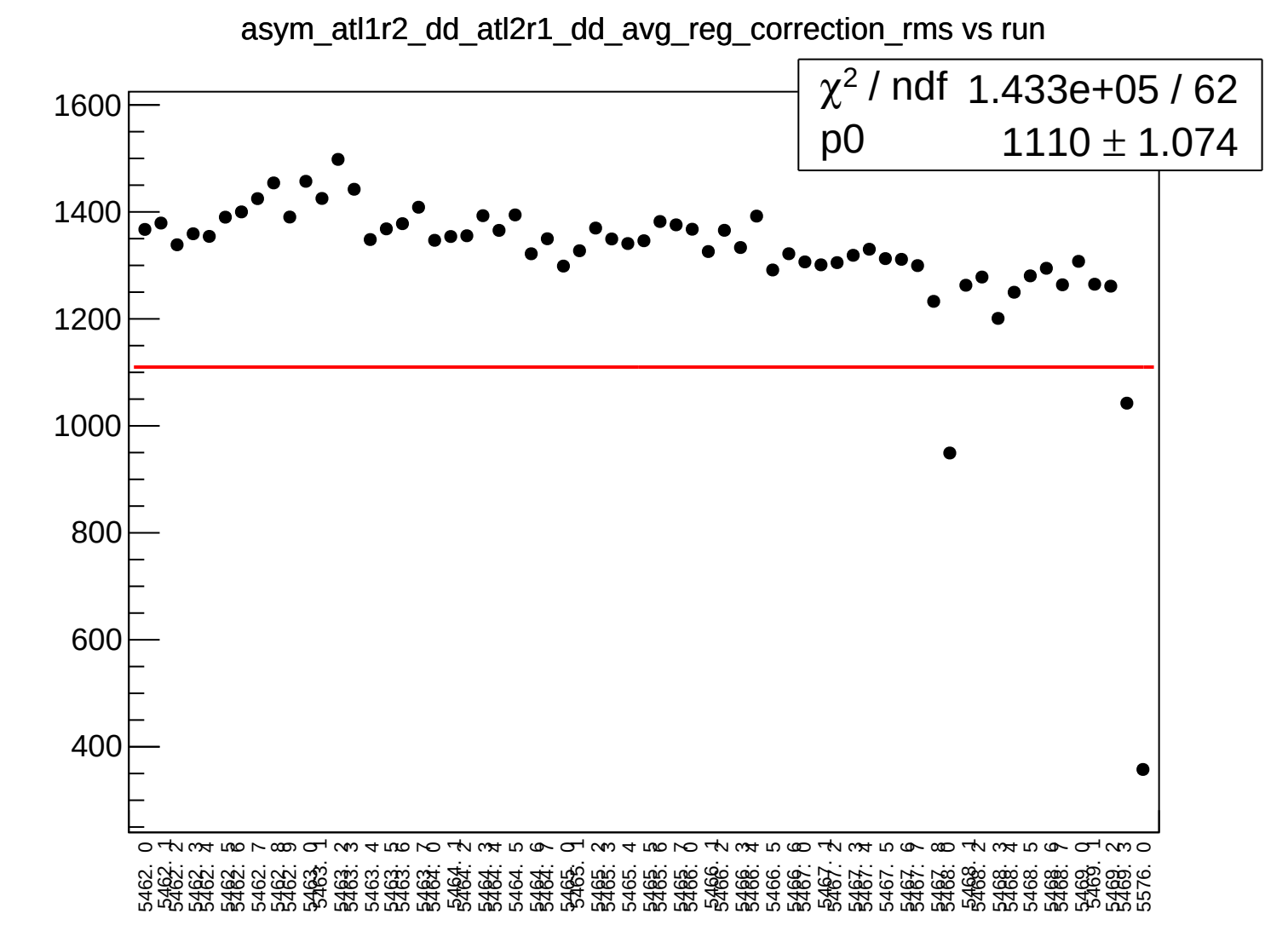

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 63.87 / 60
p0 −4.008 ± 1500
×10³
pull
Entries 61
Mean 97.94
Std Dev 0


pull1D
Entries 61
Mean −0.02095
Std Dev 1.023


reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000
5462. 0
5576. 0


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 67.59 / 62
p0 426.2 ± 1519
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −1.626
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 63
Mean 0.06638
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1.433e+05 / 62
p0 1110 ± 1.074
1600
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
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5463. 2
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5467. 5
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5468. 0
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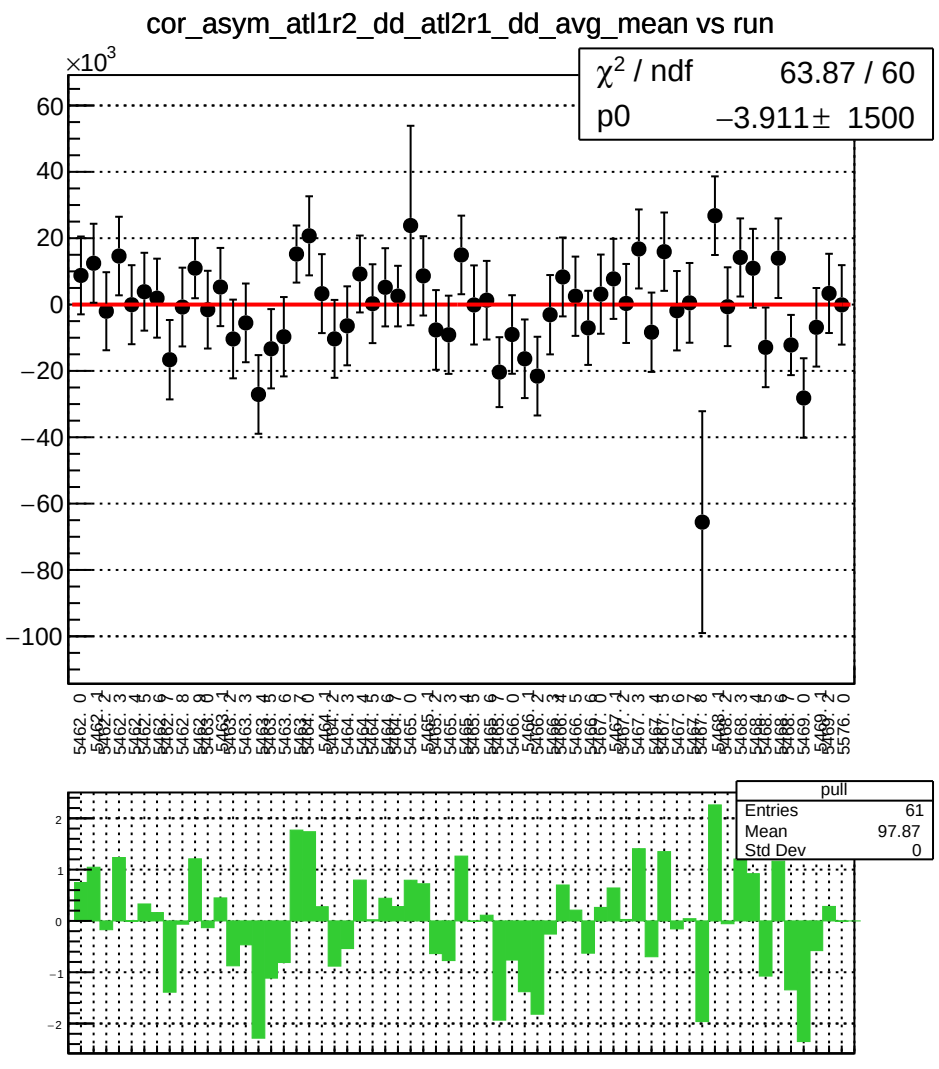
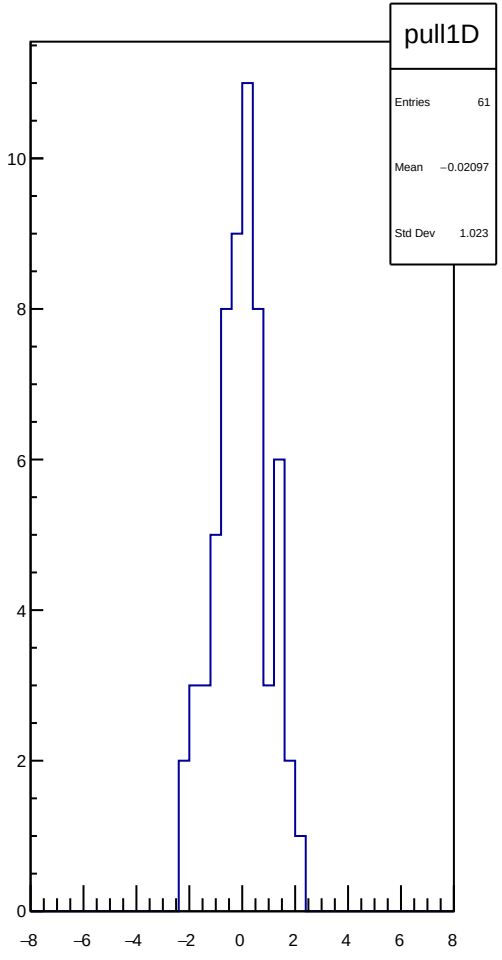
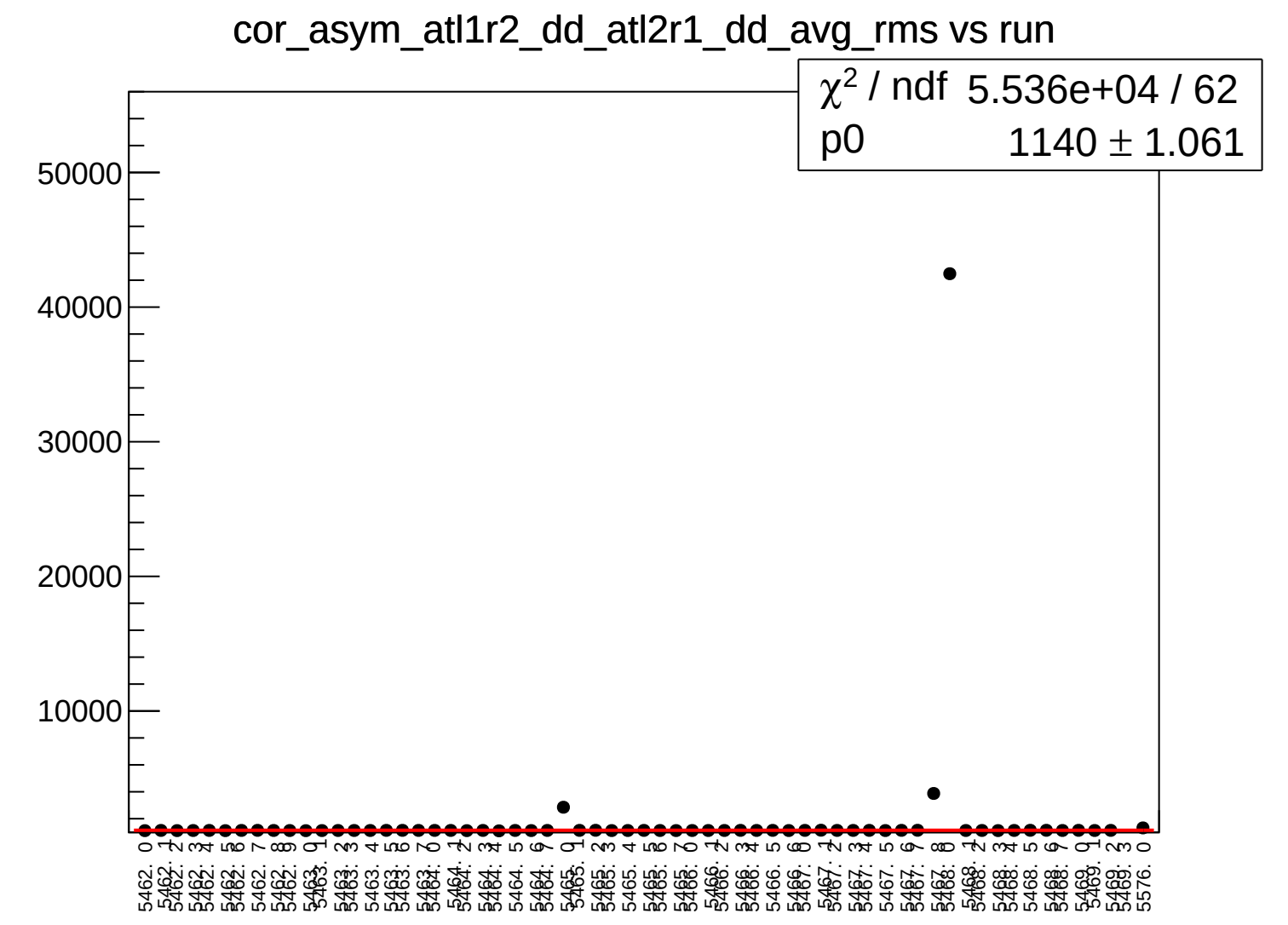
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 63.87 / 60
p0 −3.911± 1500
×10³
pull
Entries 61
Mean 97.87
Std Dev 0


pull1D
Entries 61
Mean −0.02097
Std Dev 1.023


cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
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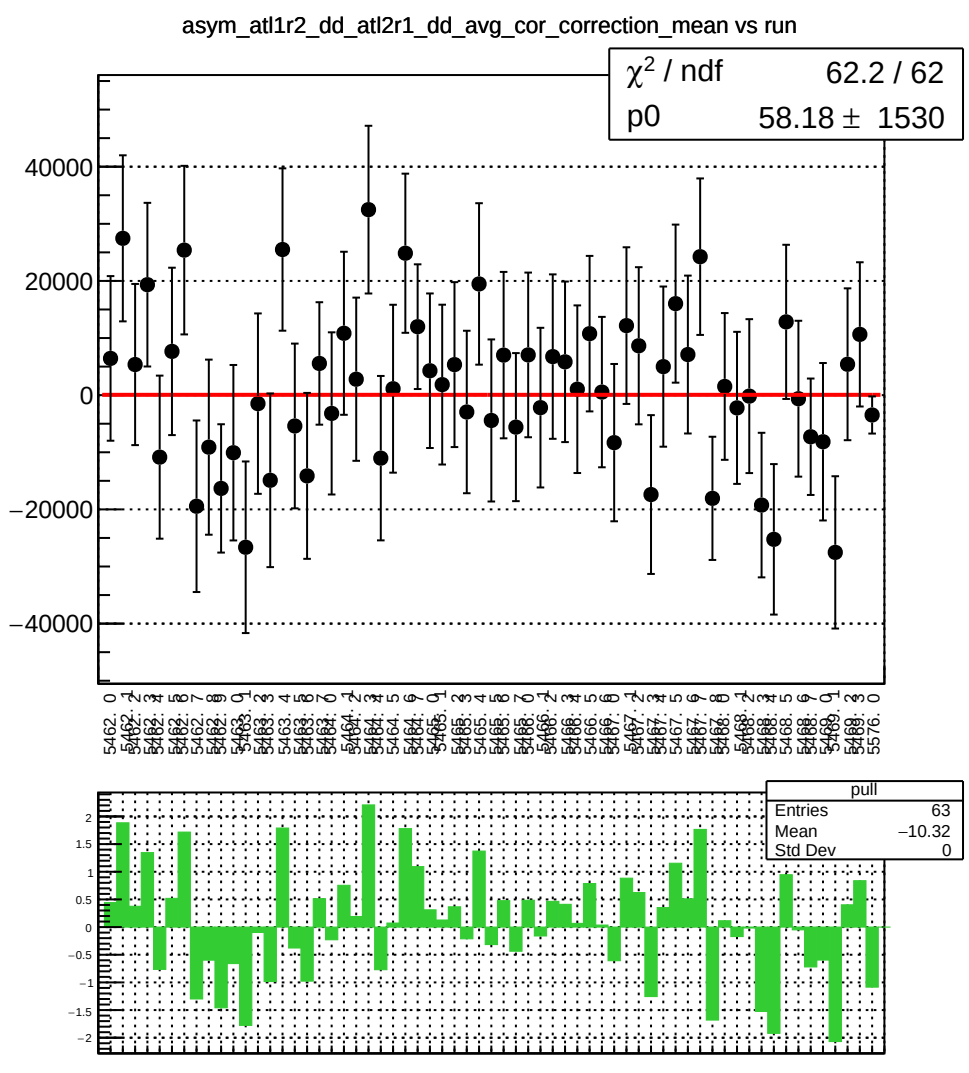
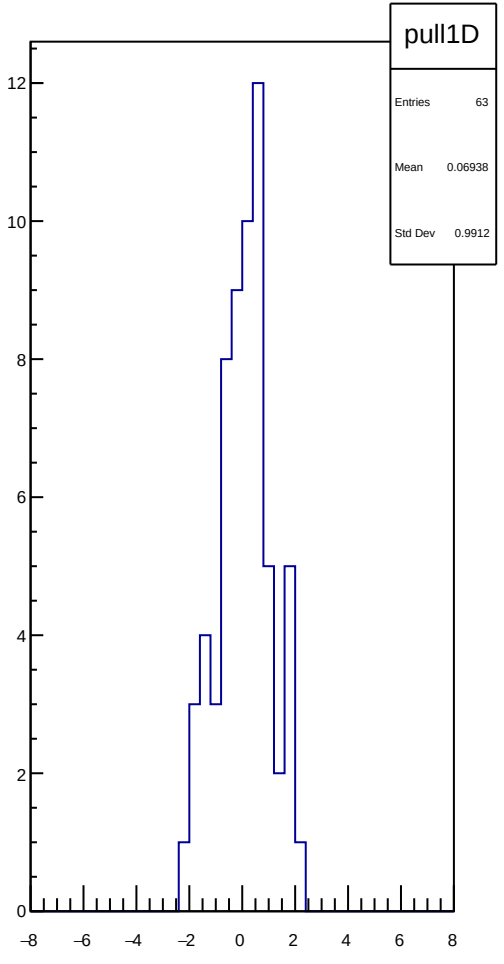
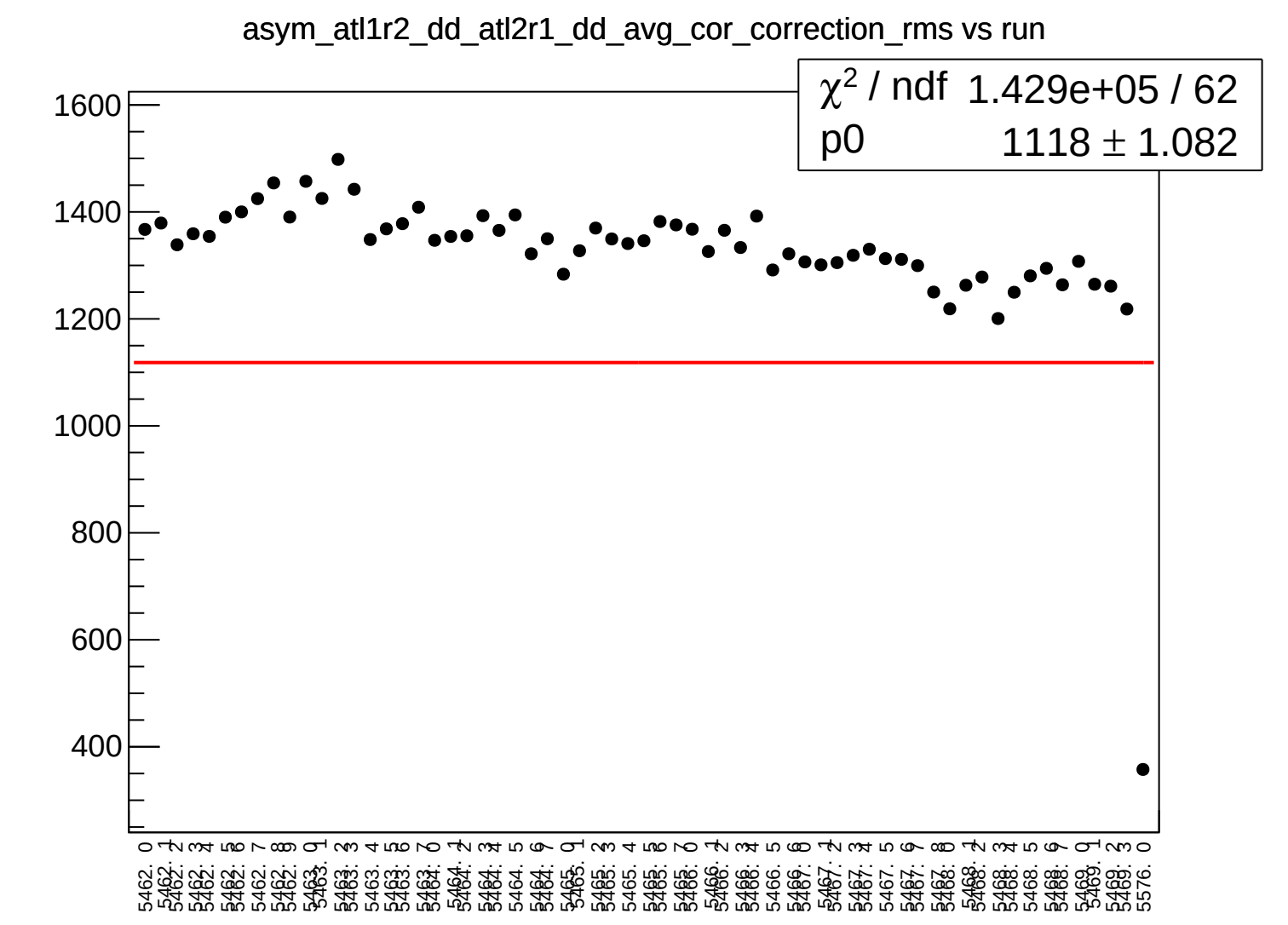
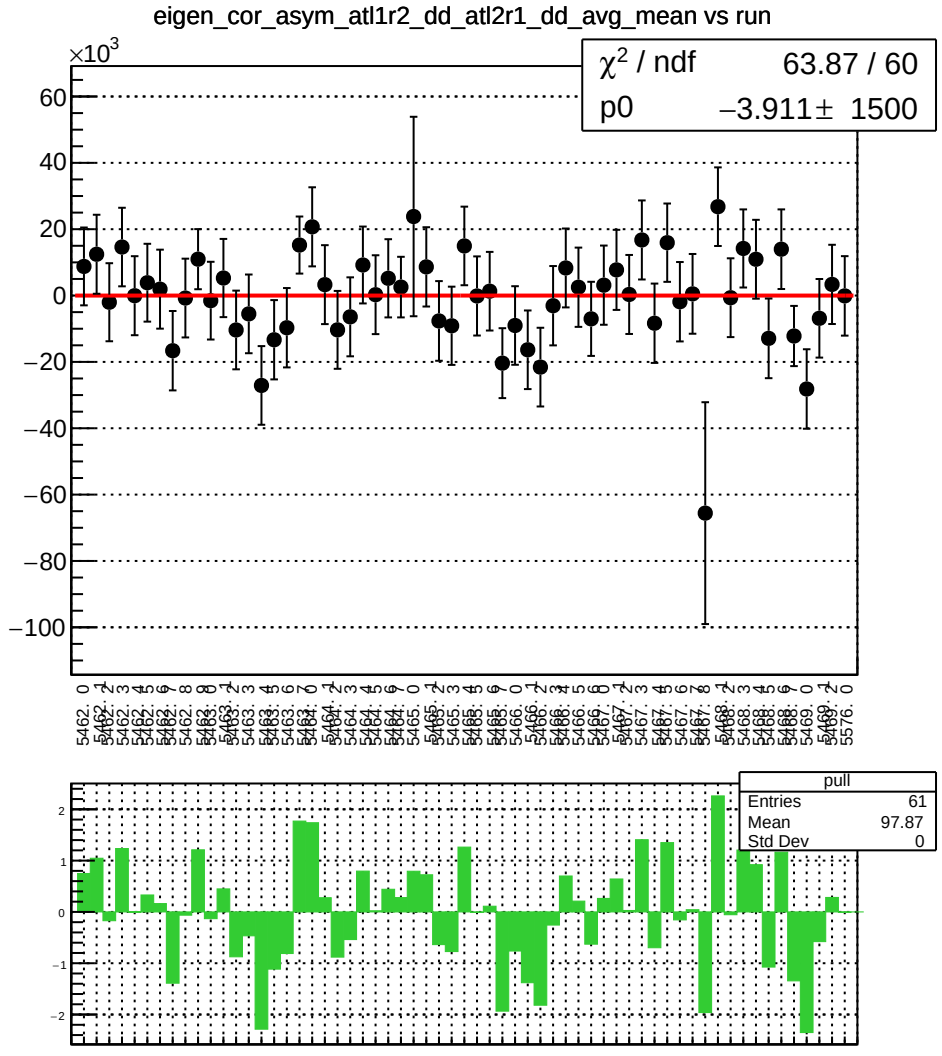
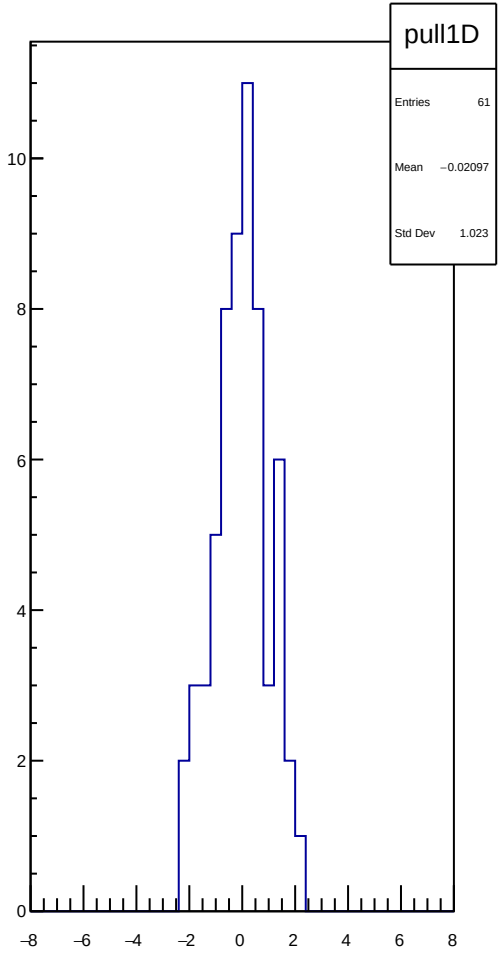
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

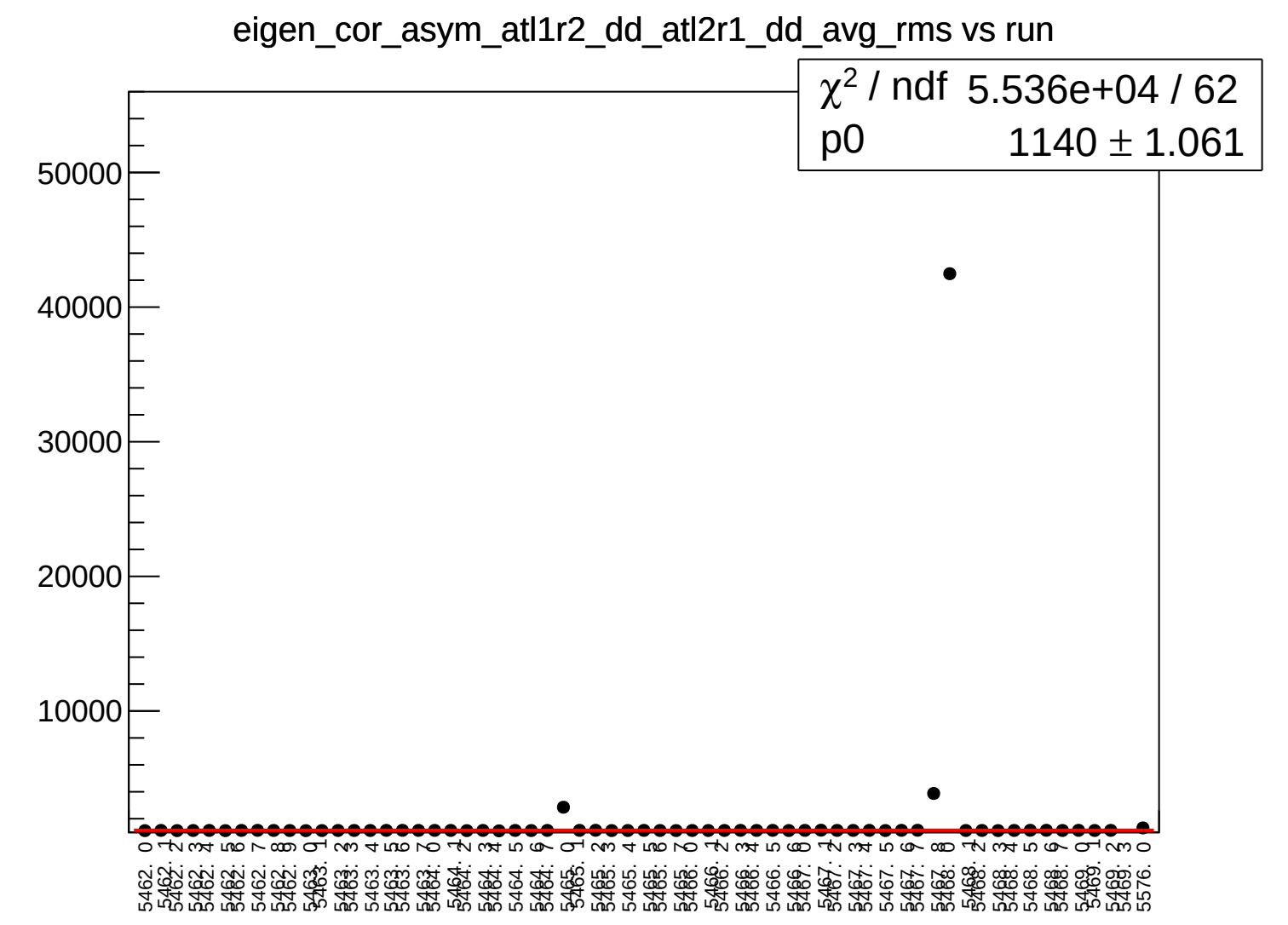

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 62.2 / 62
p0 58.18 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −10.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

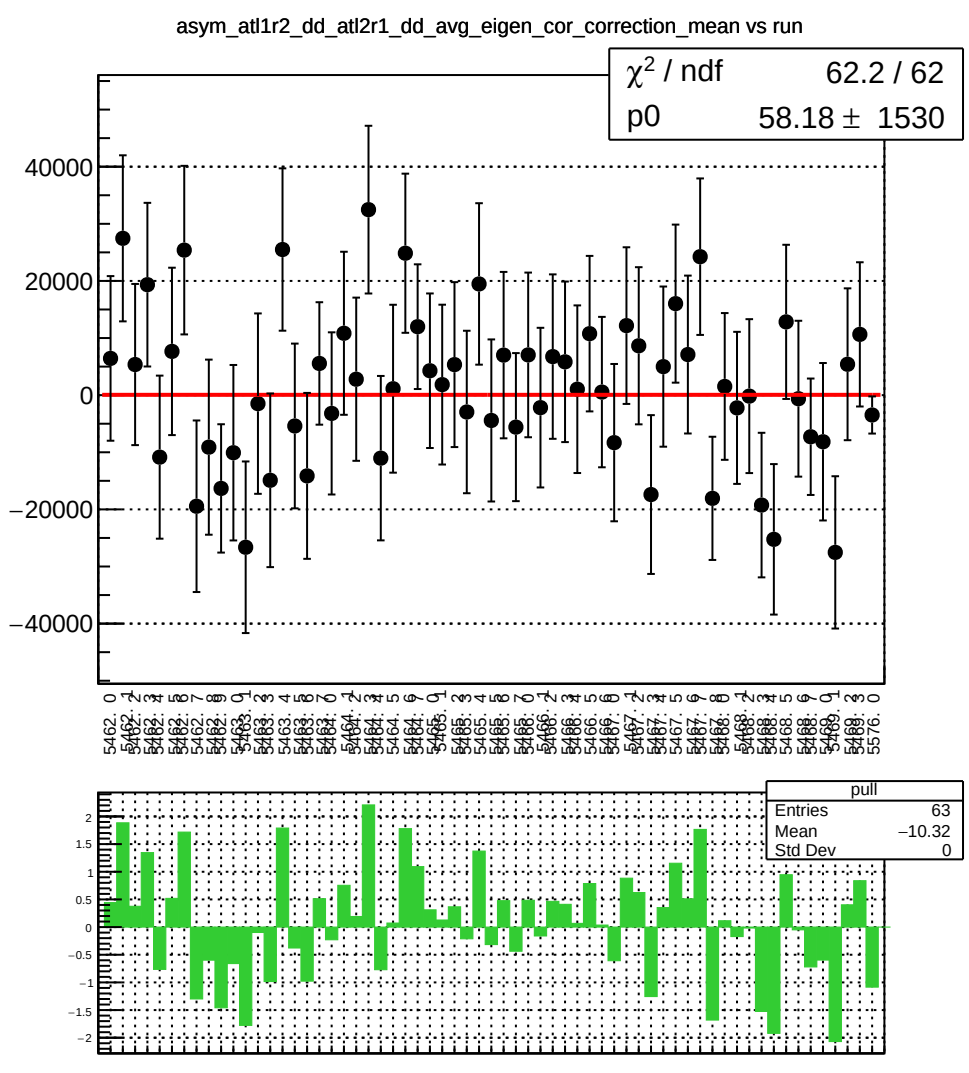

pull1D
Entries 63
Mean 0.06938
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

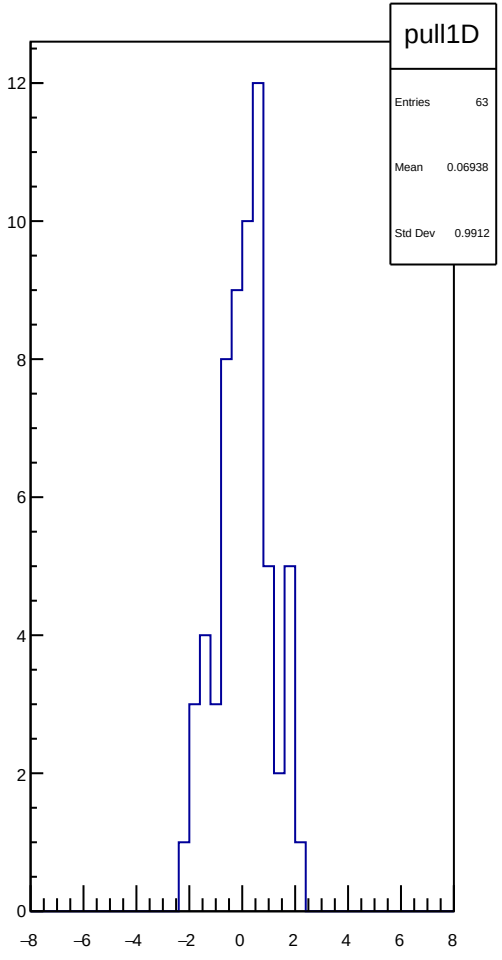

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1.429e+05 / 62
p0 1118 ± 1.082
1600
1400
1200
1000
800
600
400

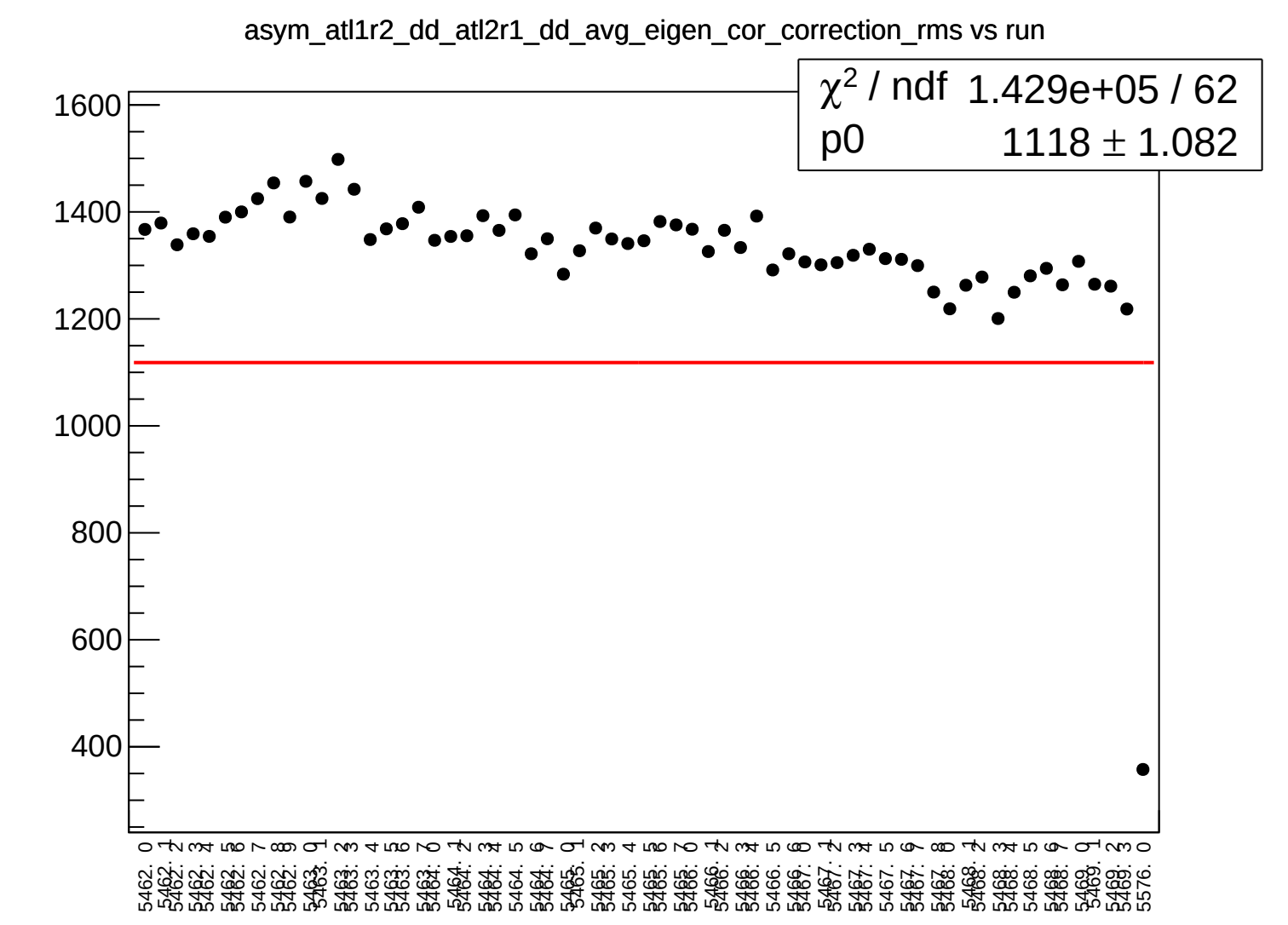

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 63.87 / 60
p0 −3.911± 1500
pull
Entries 61
Mean 97.87
Std Dev 0

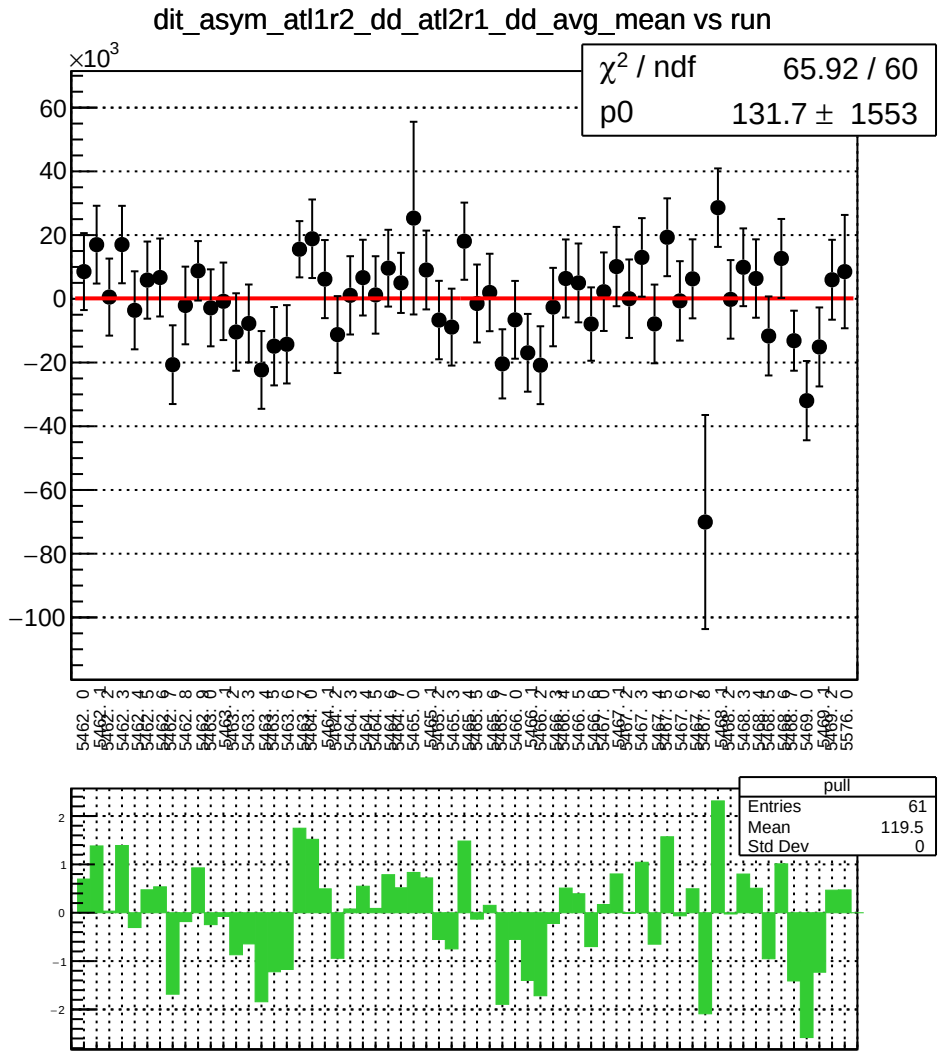

pull1D
Entries 61
Mean −0.02097
Std Dev 1.023

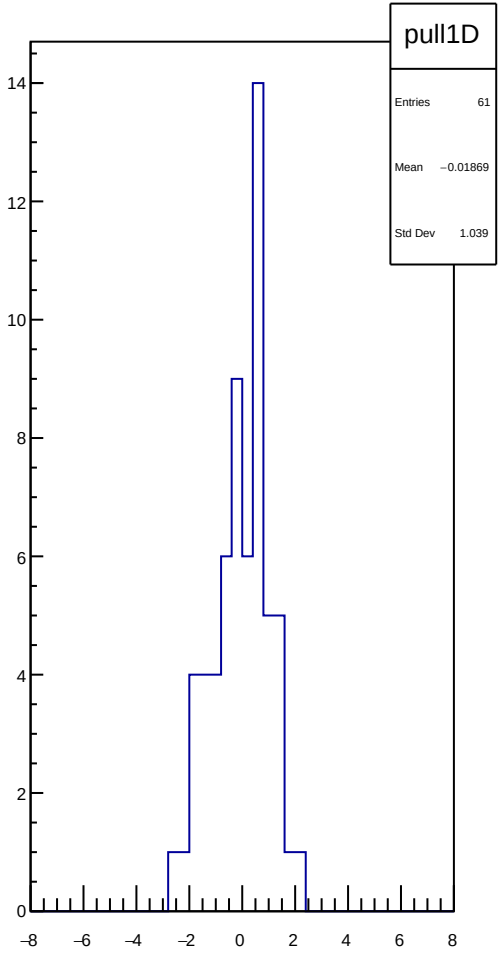

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 5.536e+04 / 62
p0 1140 ± 1.061
50000
40000
30000
20000
10000

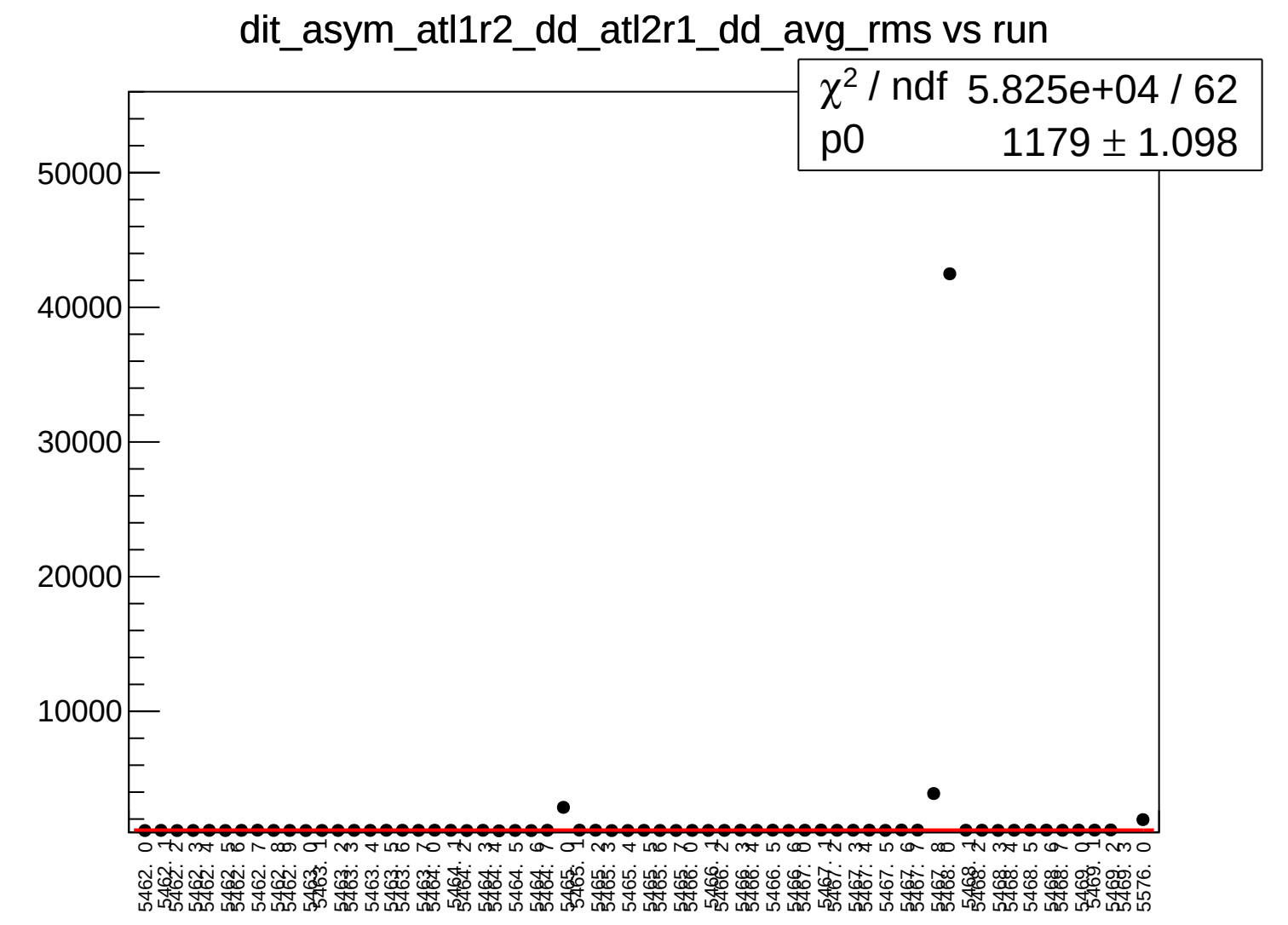

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.2 / 62
p0 58.18 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −10.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

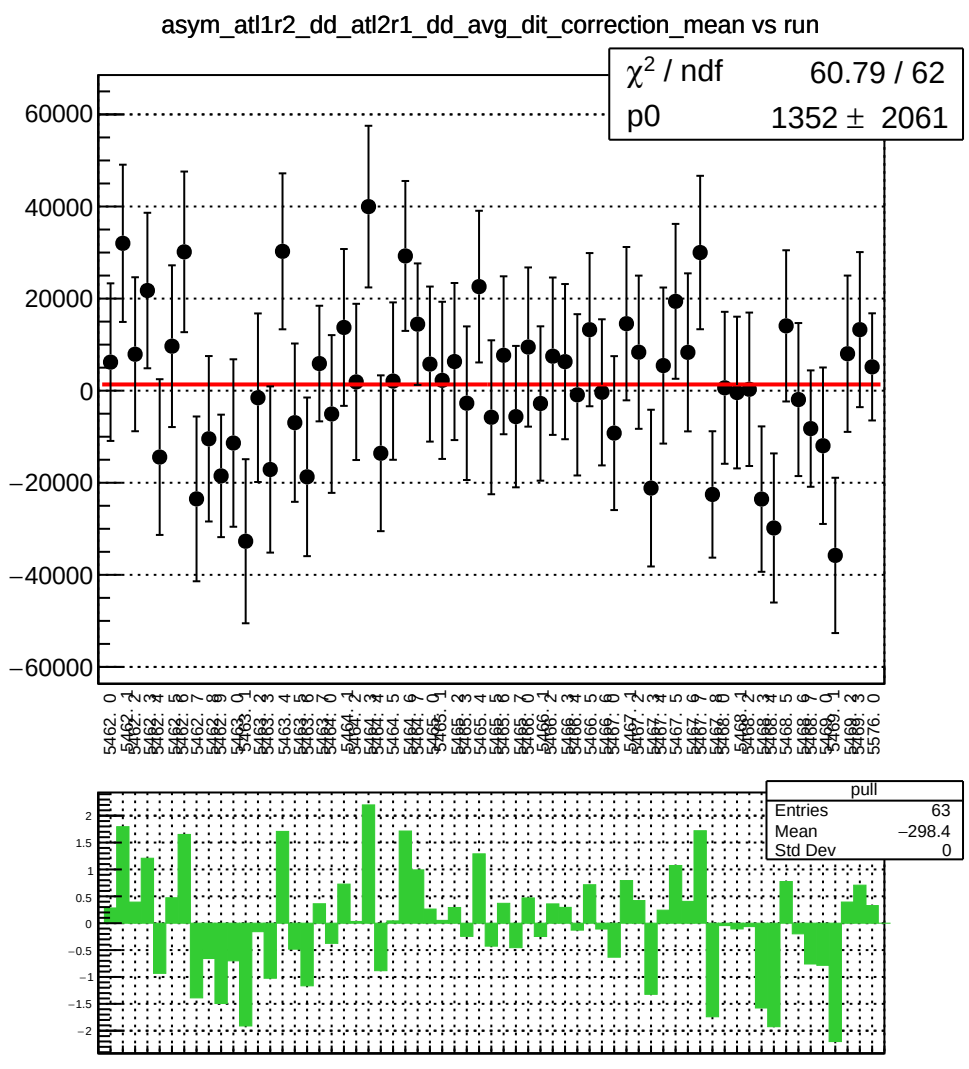

pull1D
Entries 63
Mean 0.06938
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

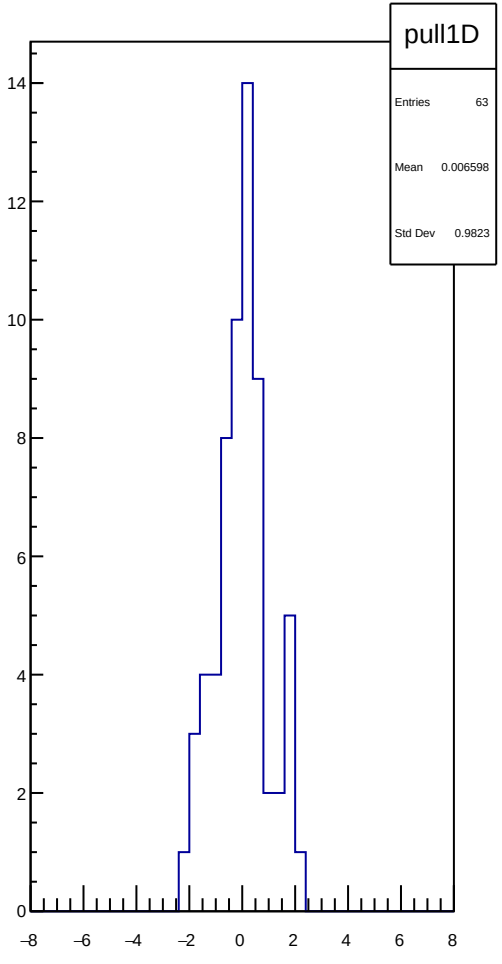

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.429e+05 / 62
p0 1118 ± 1.082
1600
1400
1200
1000
800
600
400

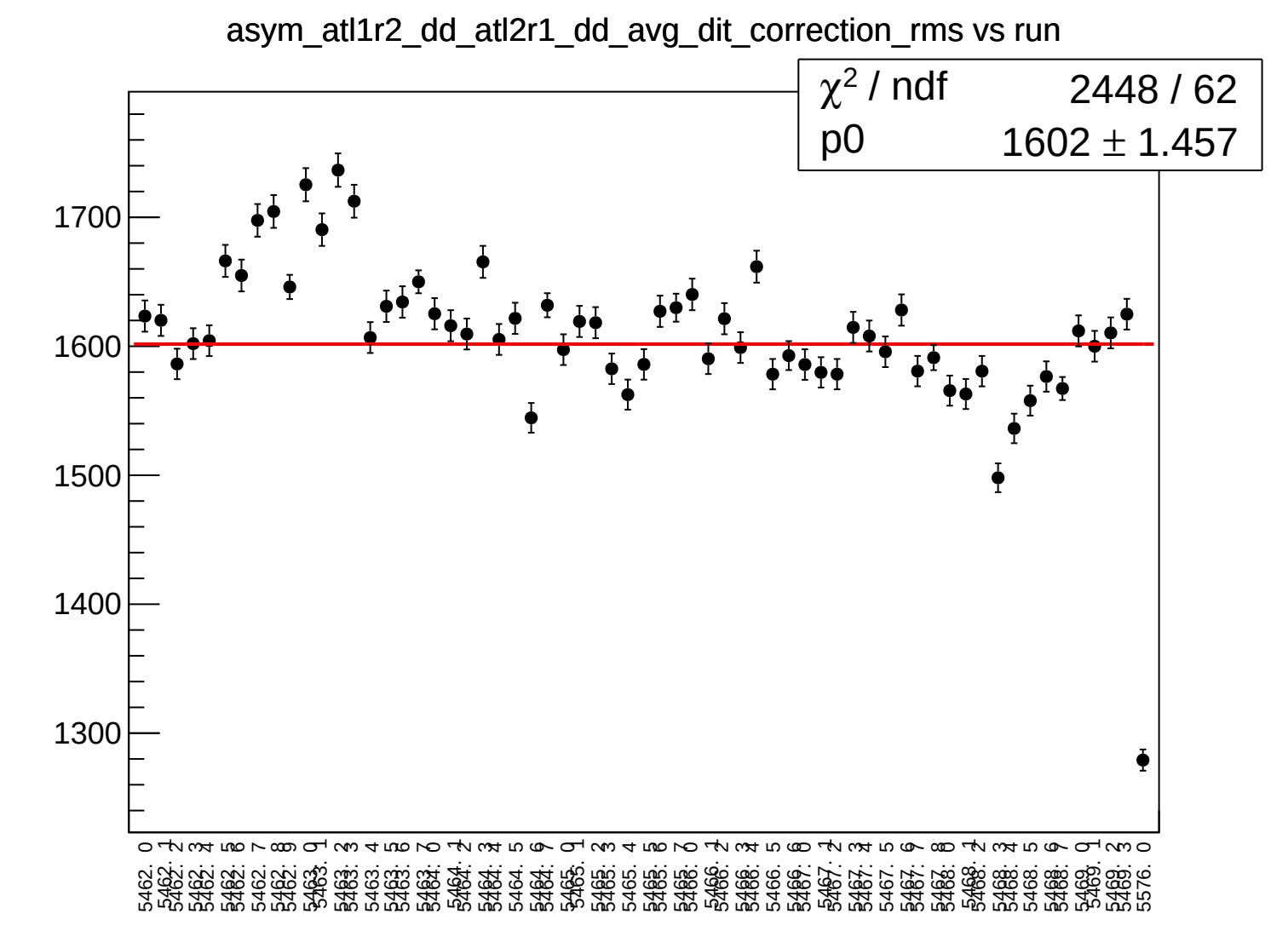

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 65.92 / 60
p0 131.7 ± 1553
pull
Entries 61
Mean 119.5
Std Dev 0

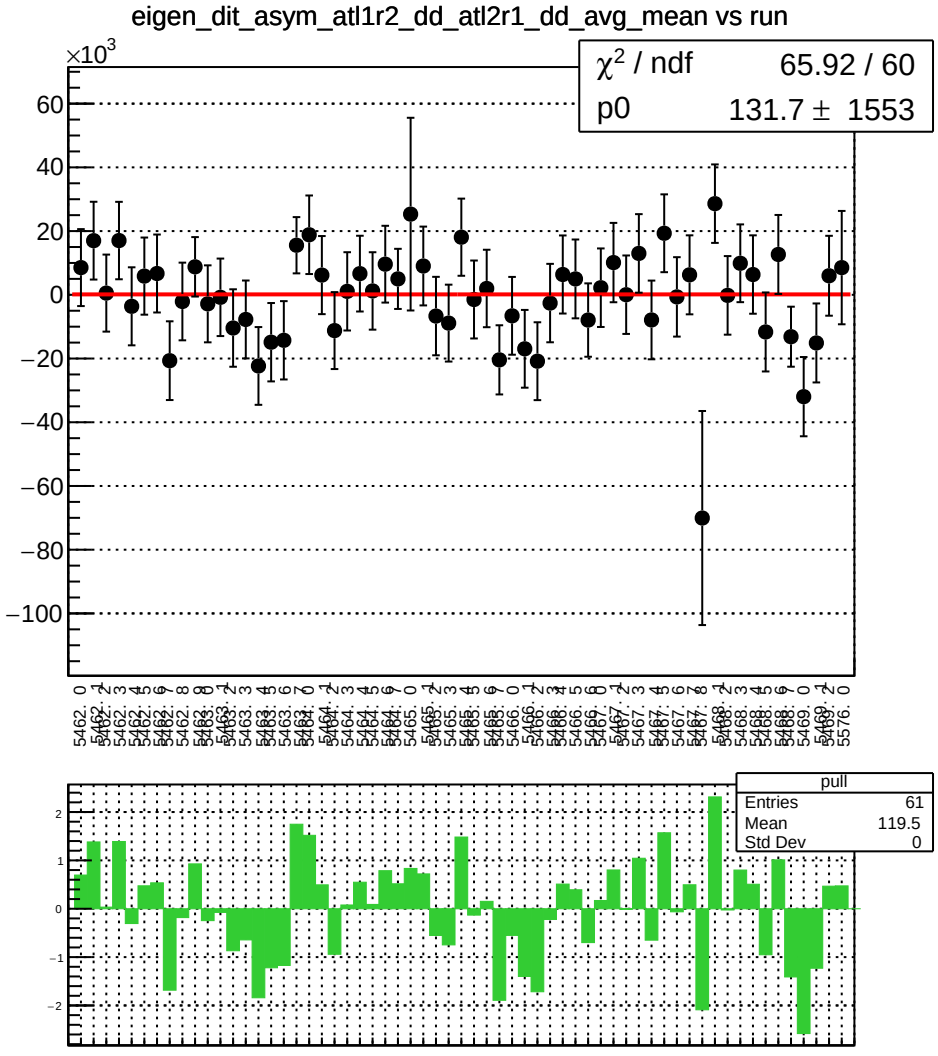

pull1D
Entries 61
Mean −0.01869
Std Dev 1.039

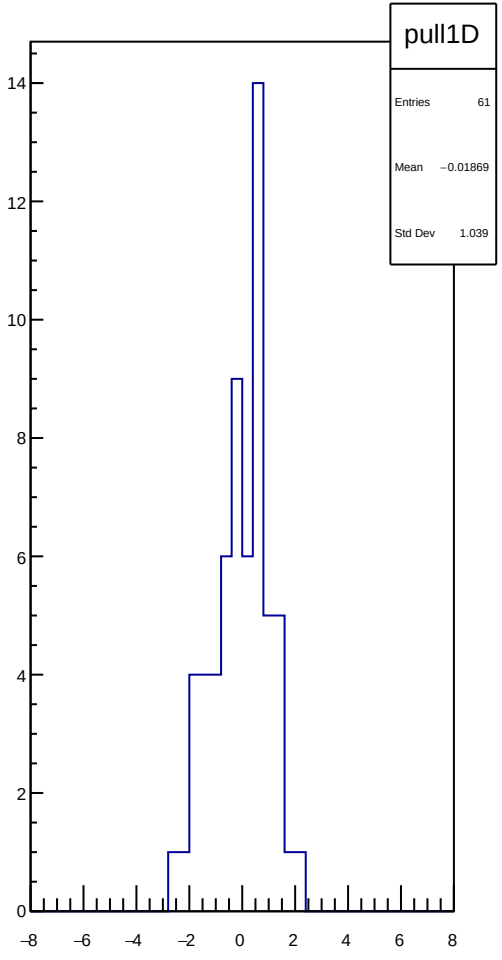

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 5.825e+04 / 62
p0 1179 ± 1.098
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

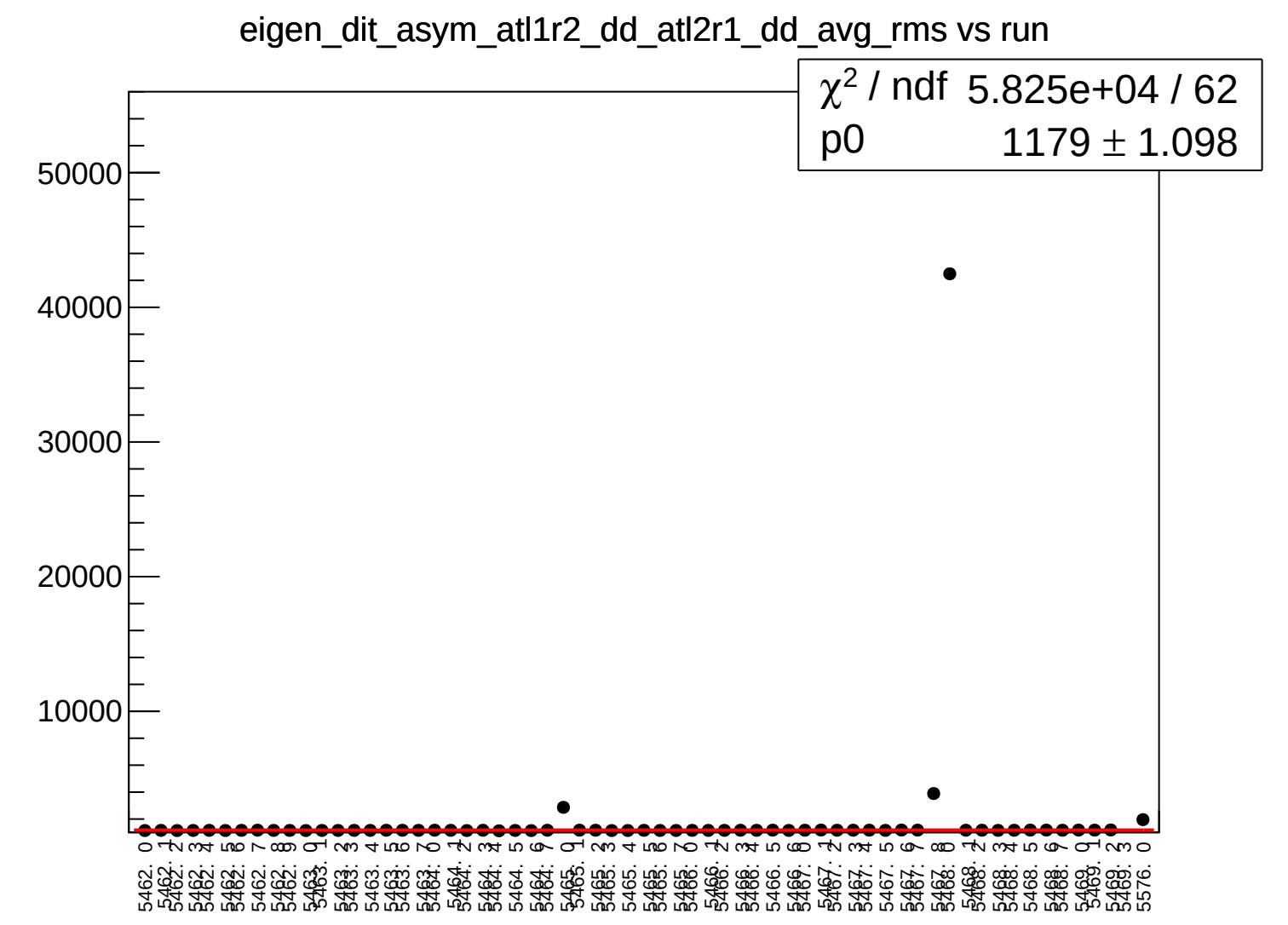

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 60.79 / 62
p0 1352 ± 2061
pull
Entries 63
Mean −298.4
Std Dev 0


pull1D
Entries 63
Mean 0.006598
Std Dev 0.9823


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 2448 / 62
p0 1602 ± 1.457
1700
1600
1500
1400
1300


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 65.92 / 60
p0 131.7 ± 1553
pull
Entries 61
Mean 119.5
Std Dev 0


pull1D
Entries 61
Mean −0.01869
Std Dev 1.039


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 5.825e+04 / 62
p0 1179 ± 1.098
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
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5464. 6
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5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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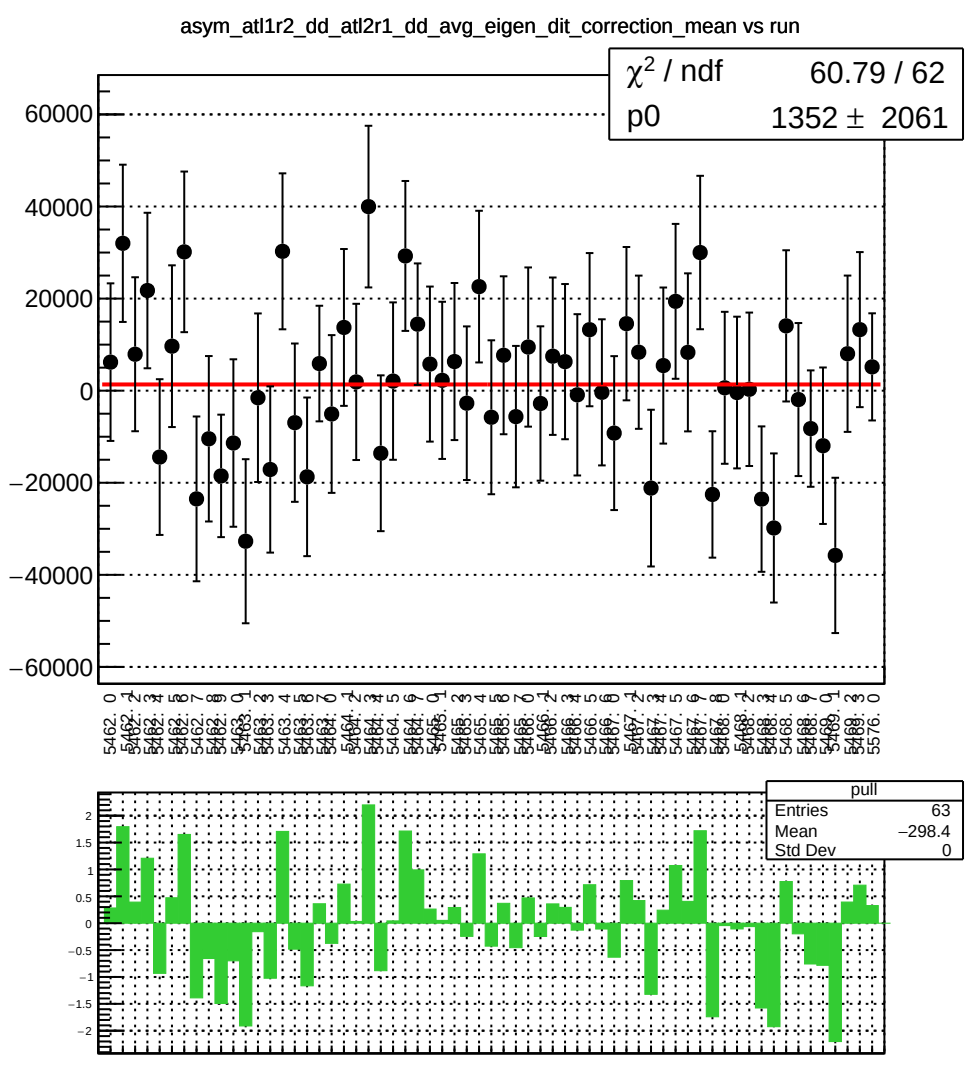
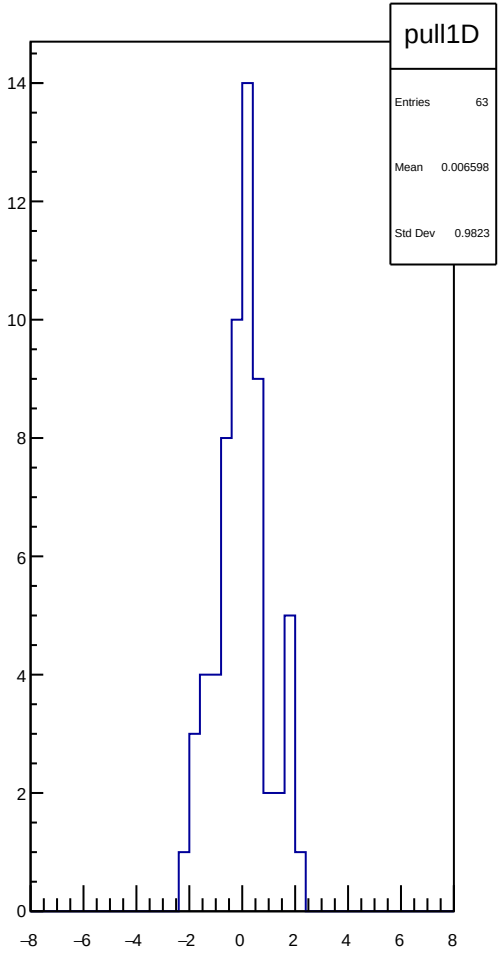
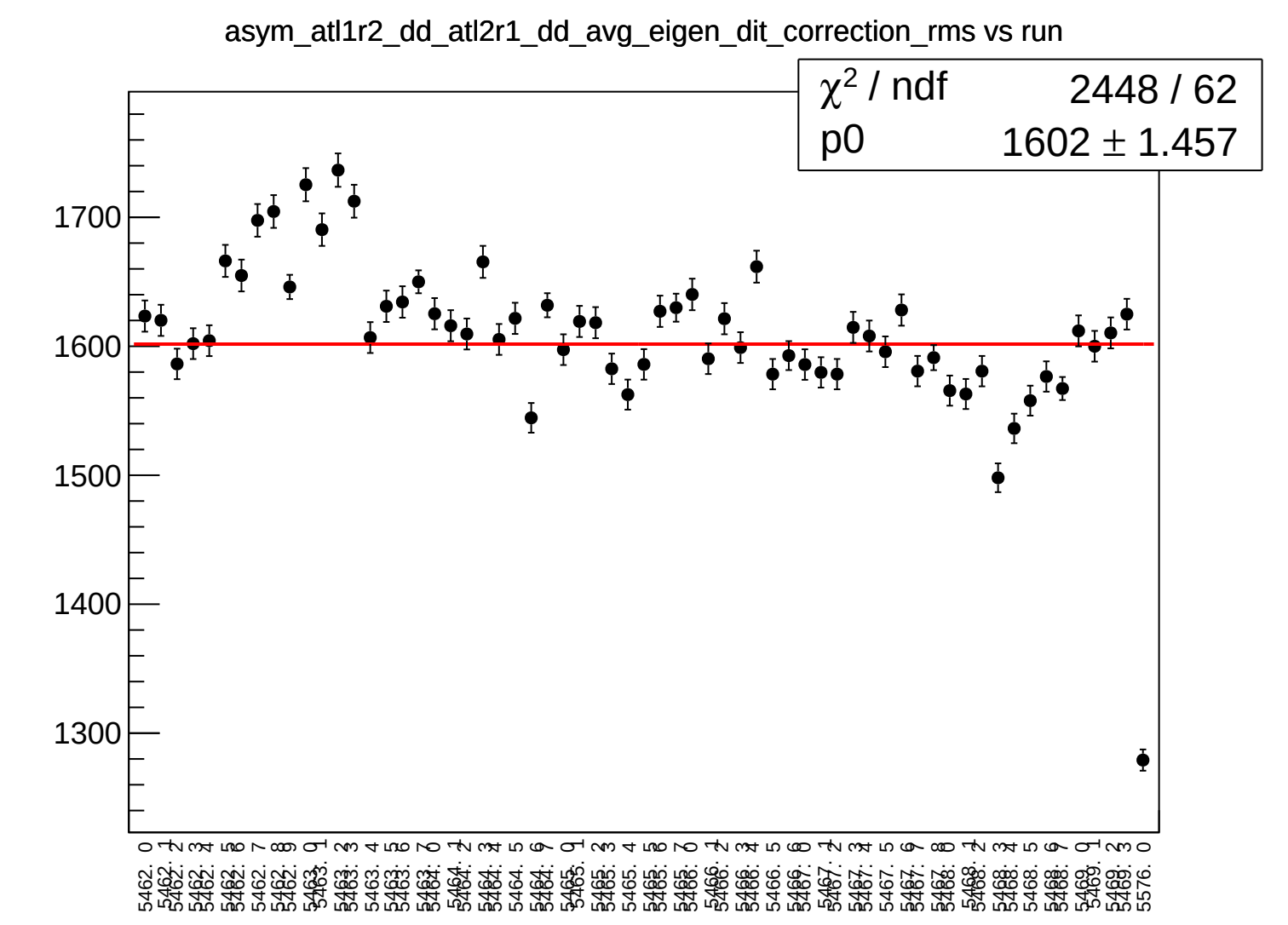
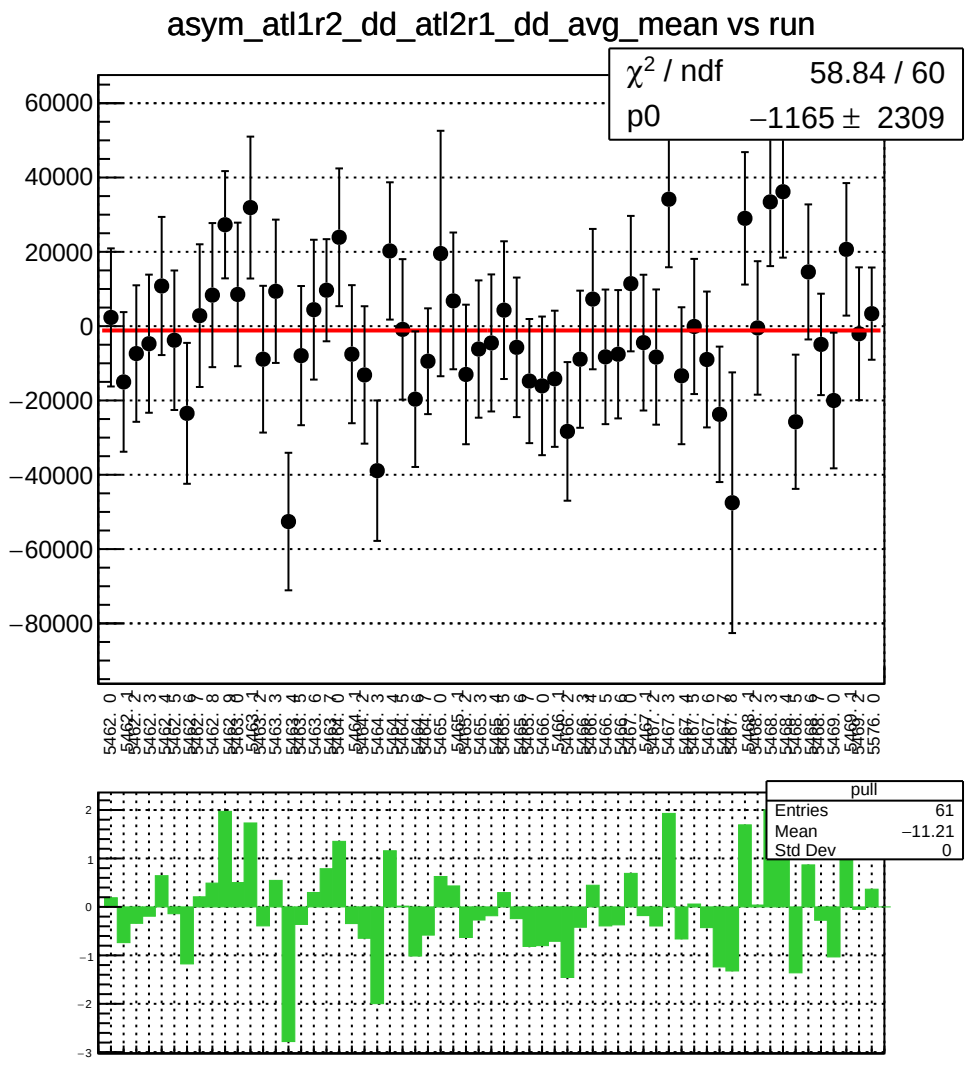
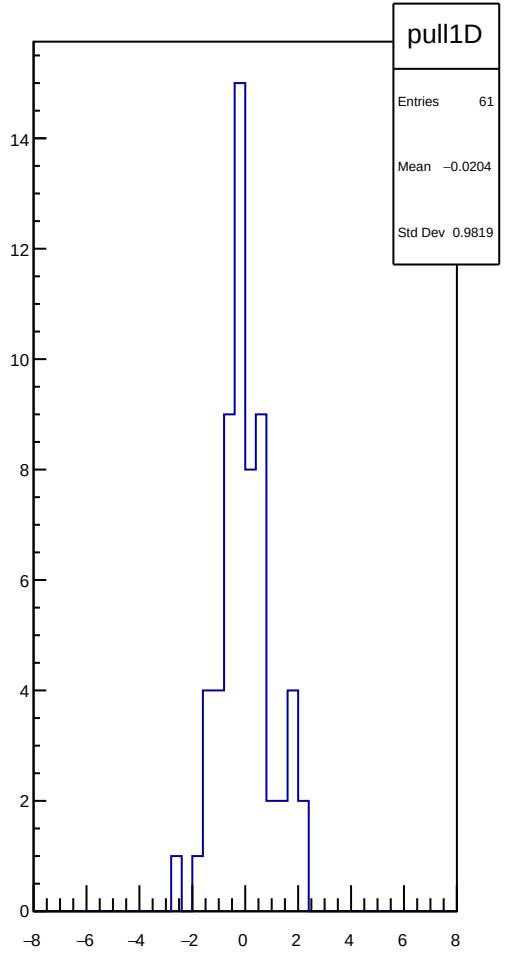
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

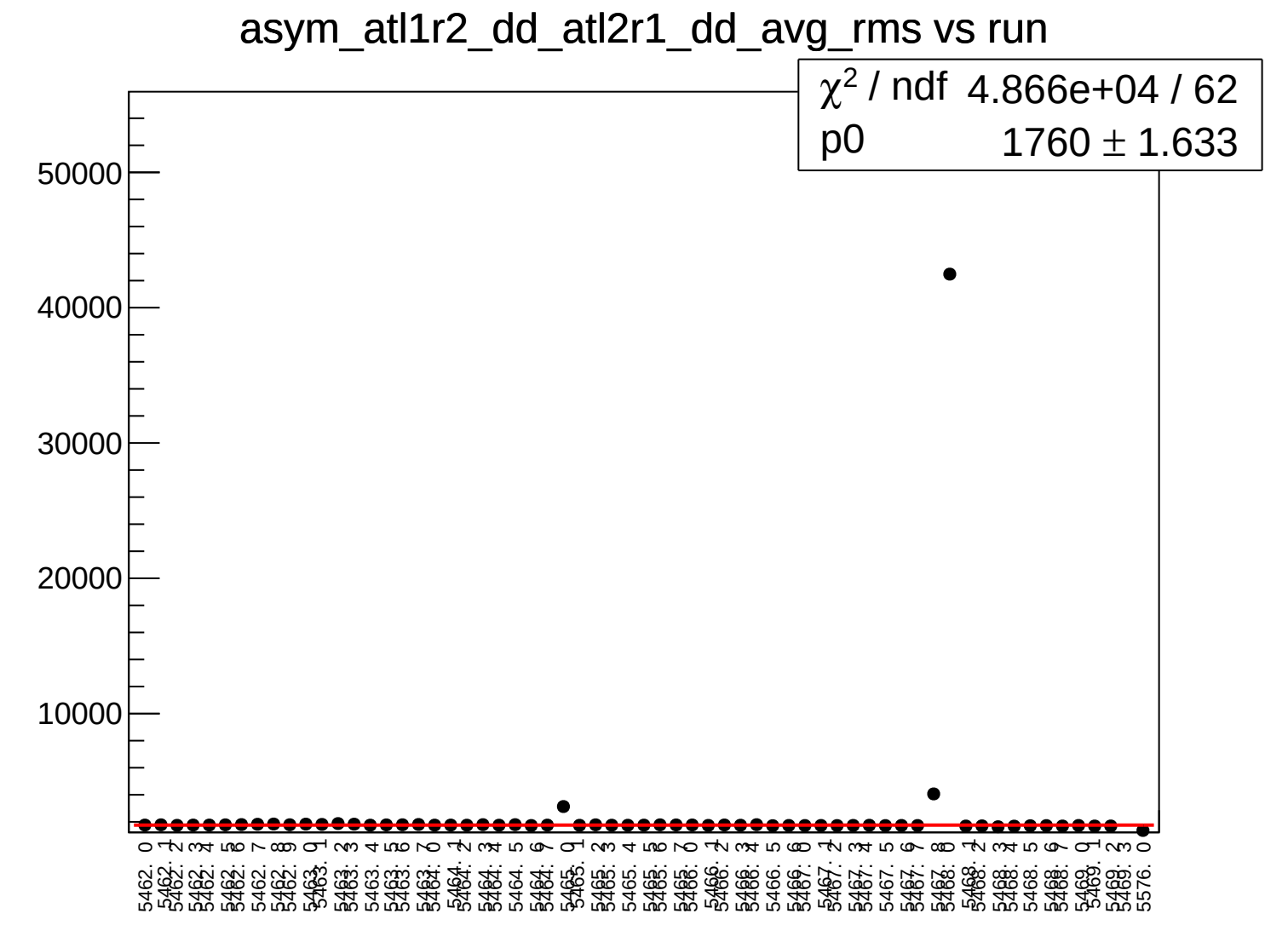

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.79 / 62
p0 1352 ± 2061
pull
Entries 63
Mean −298.4
Std Dev 0

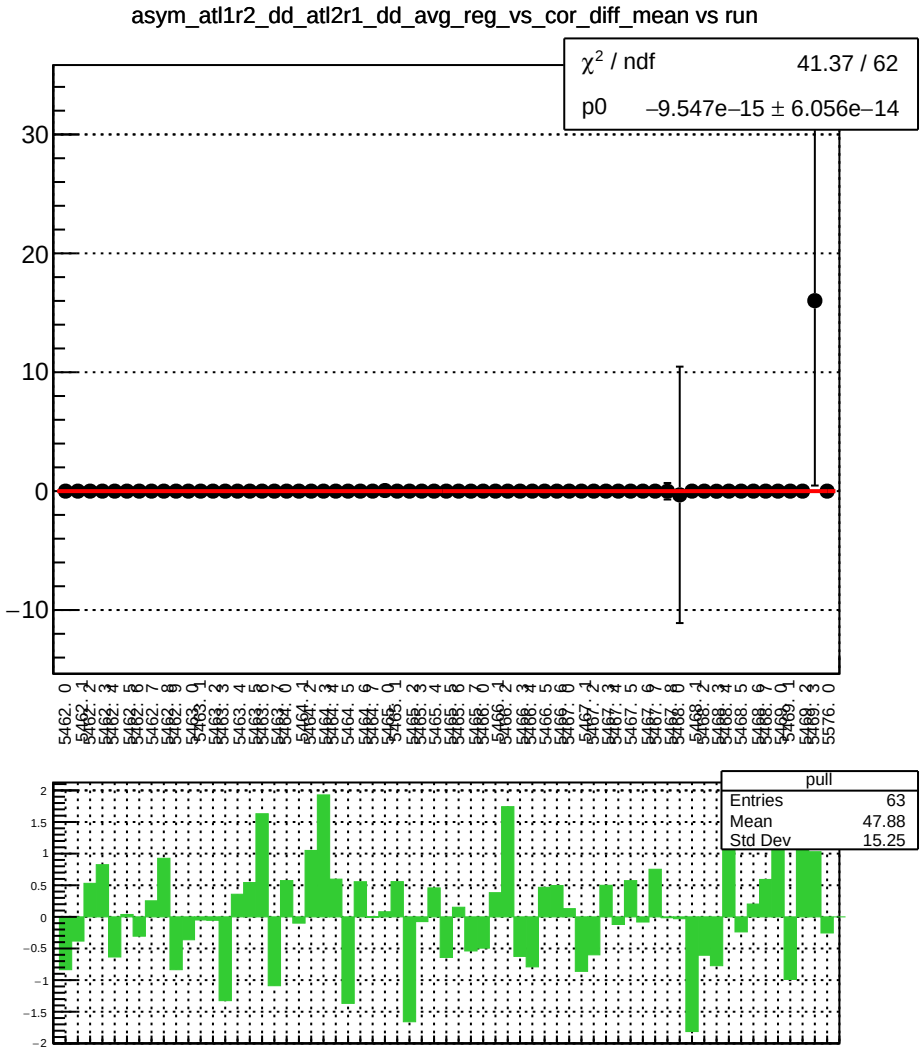

pull1D
Entries 63
Mean 0.006598
Std Dev 0.9823

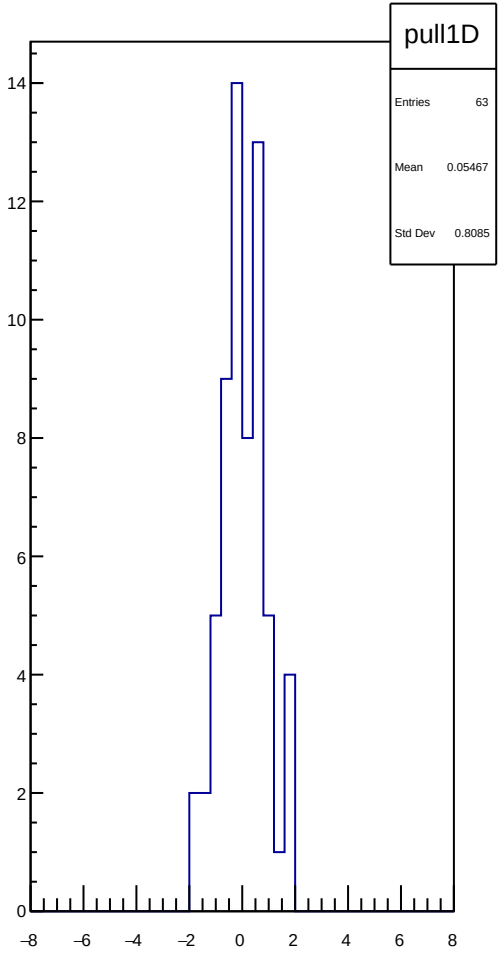

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2448 / 62
p0 1602 ± 1.457
1700
1600
1500
1400
1300

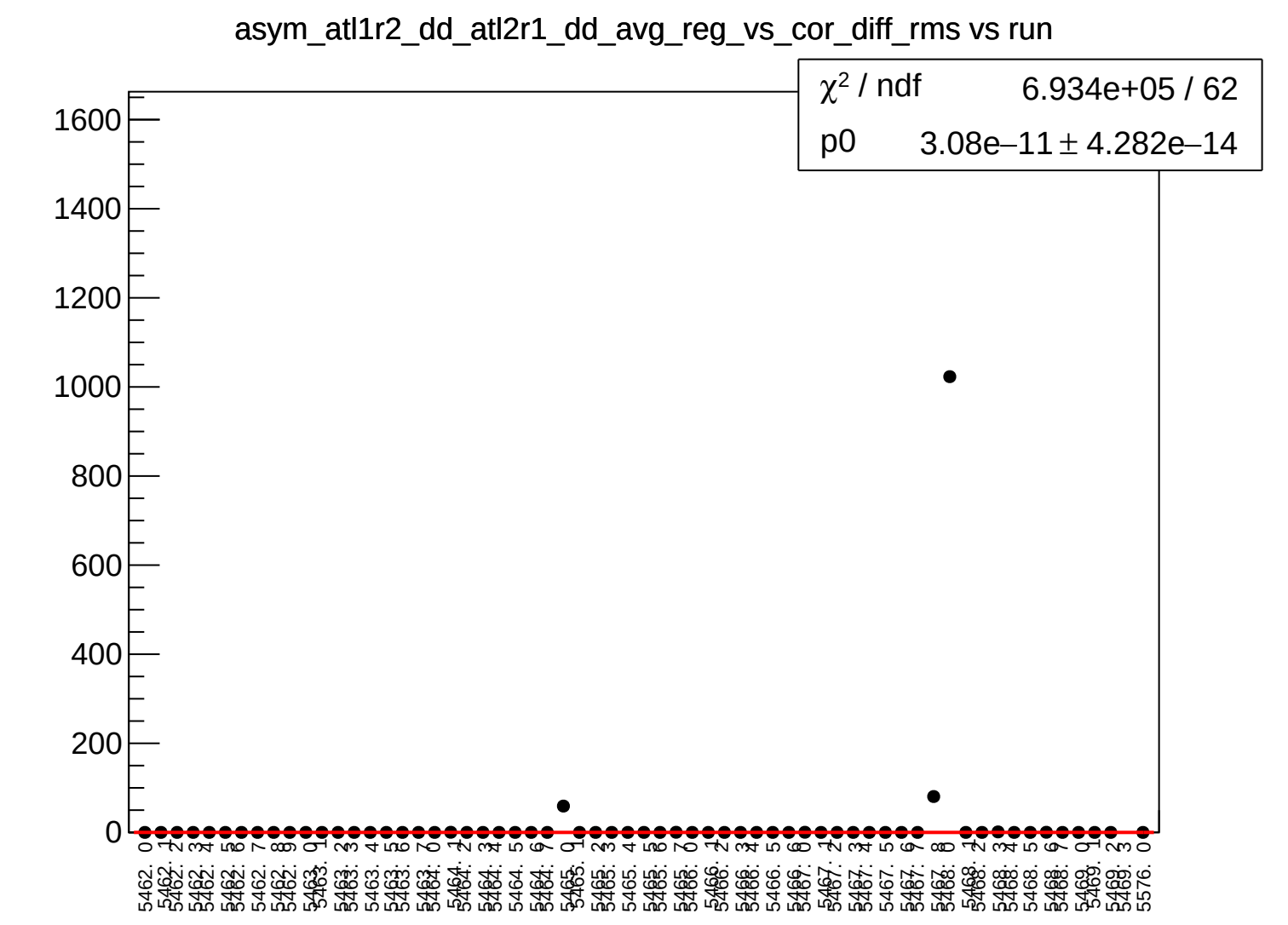

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 58.84 / 60
p0 −1165 ± 2309
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 61
Mean −11.21
Std Dev 0
2
1
0
−1
−2
−3

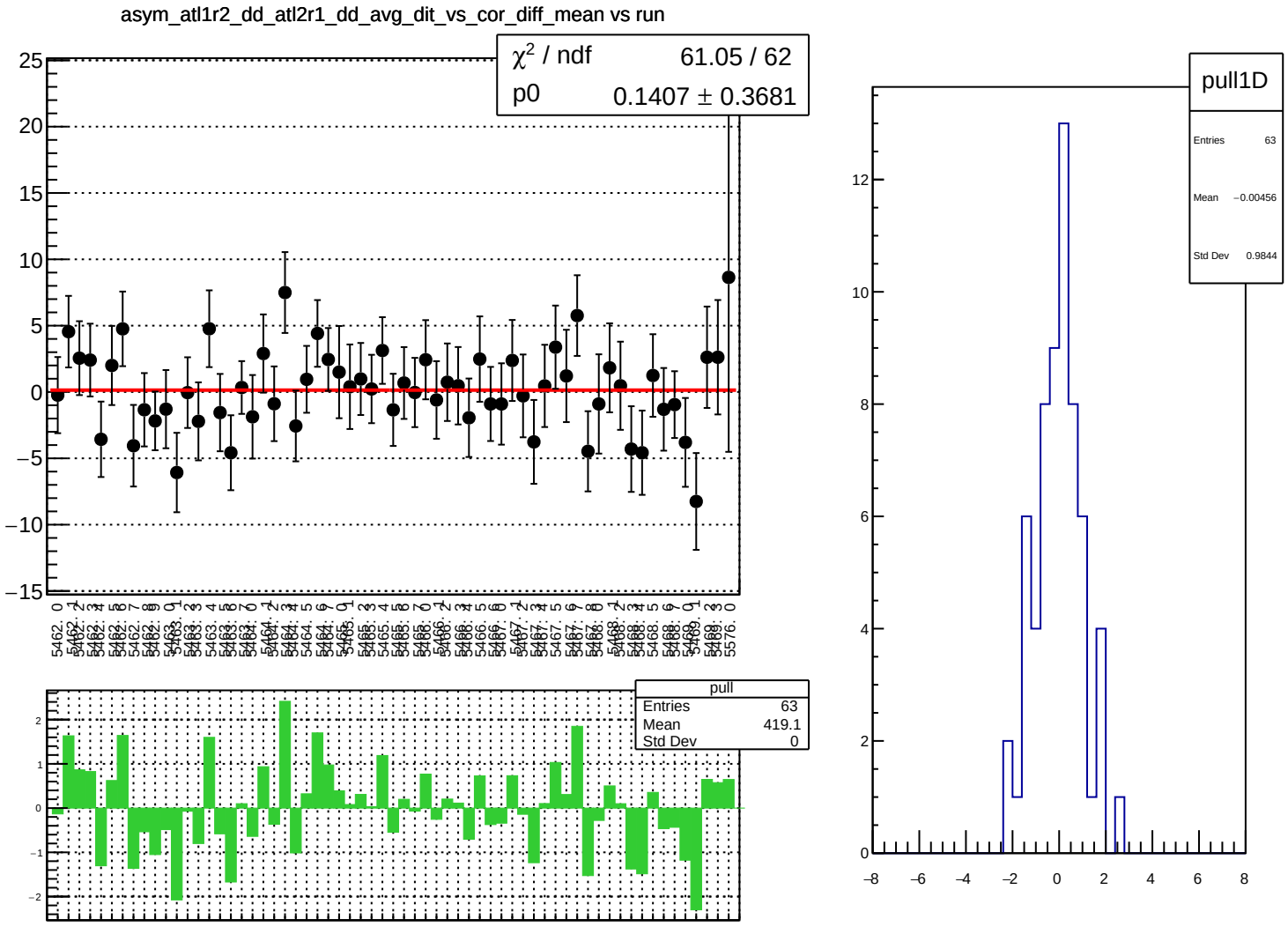

pull1D
Entries 61
Mean −0.0204
Std Dev 0.9819
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

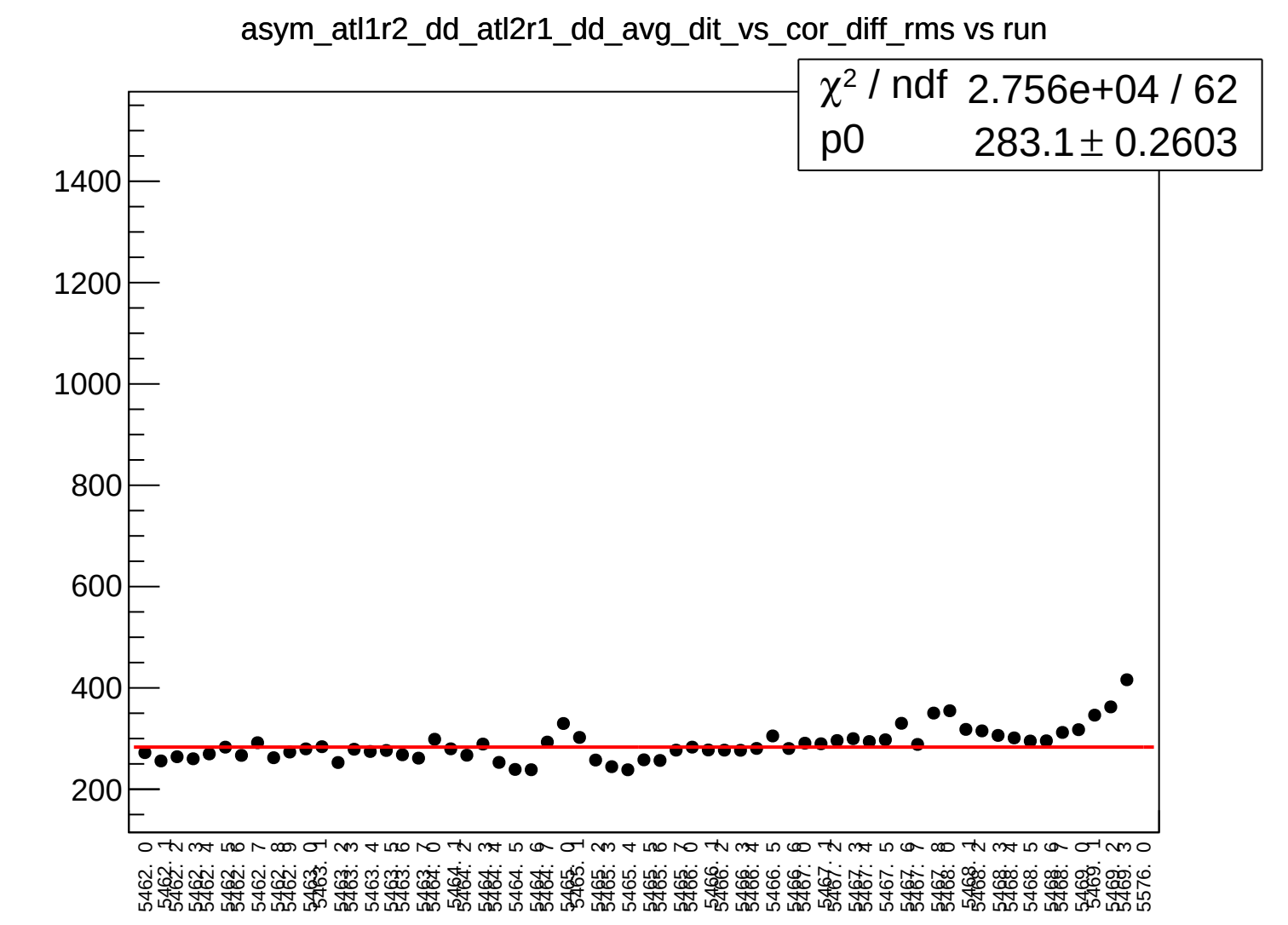

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 4.866e+04 / 62
p0 1760 ± 1.633
50000
40000
30000
20000
10000

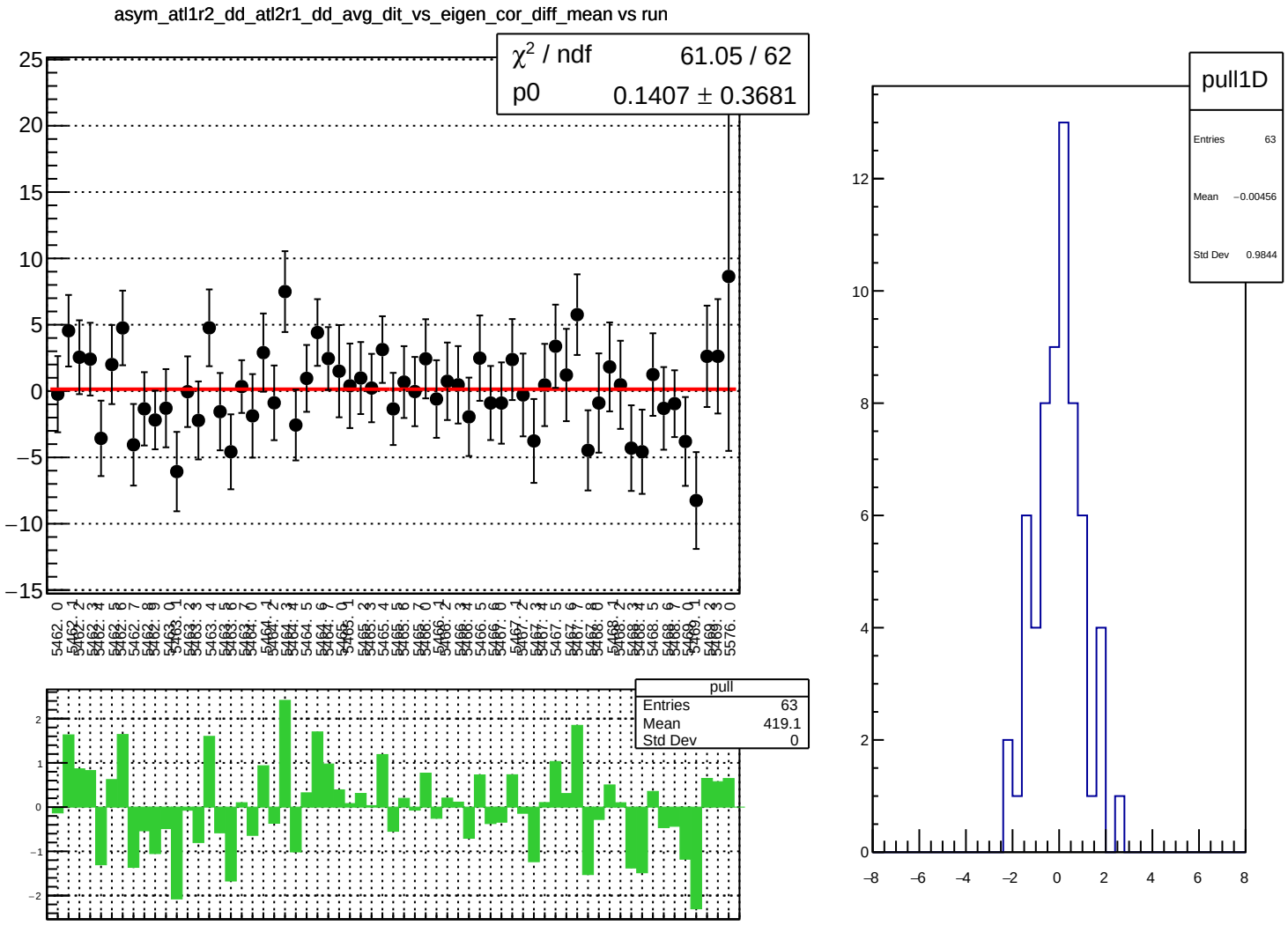

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.37 / 62
p0 −9.547e−15 ± 6.056e−14
pull
Entries 63
Mean 47.88
Std Dev 15.25

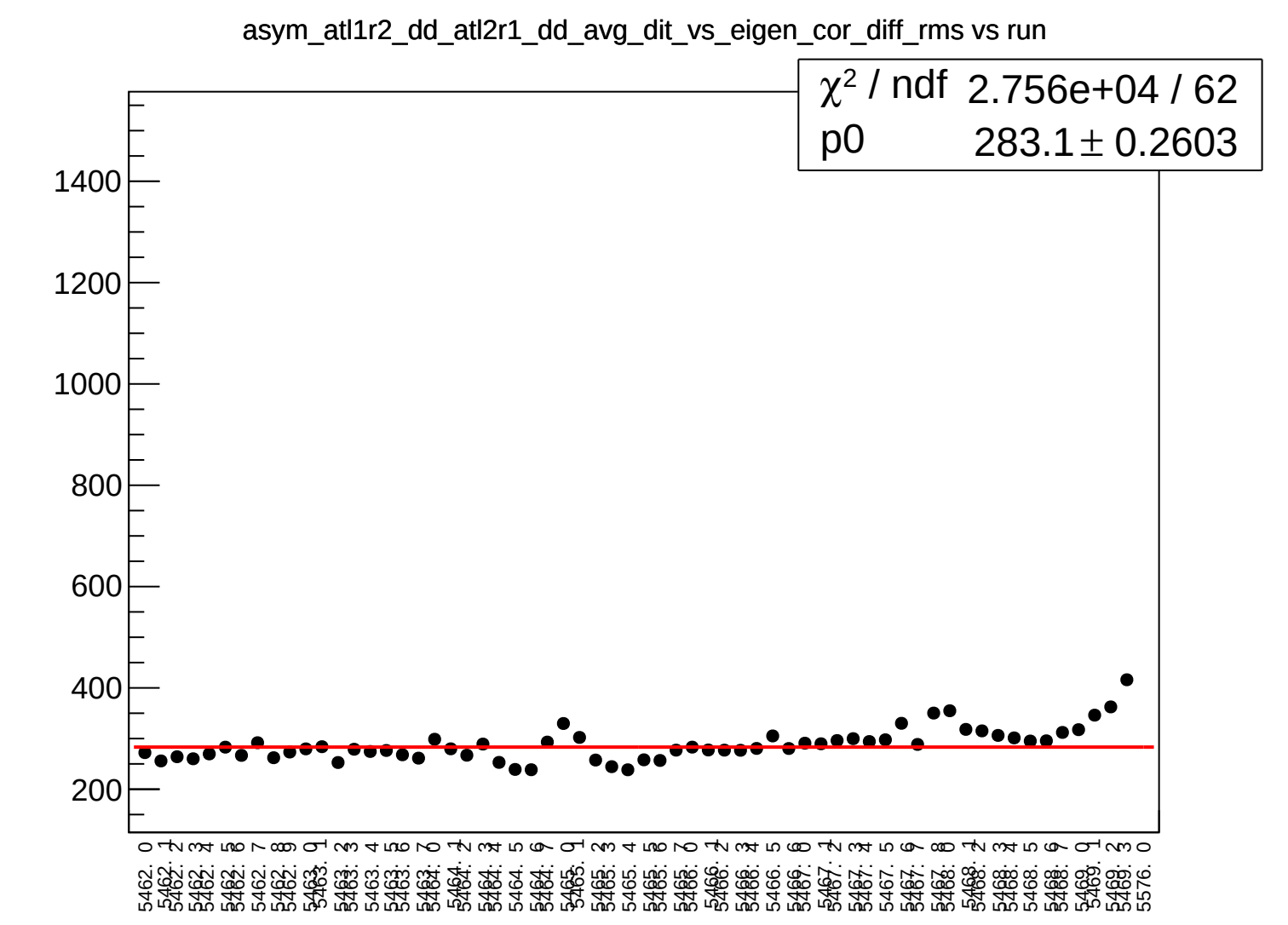

pull1D
Entries 63
Mean 0.05467
Std Dev 0.8085

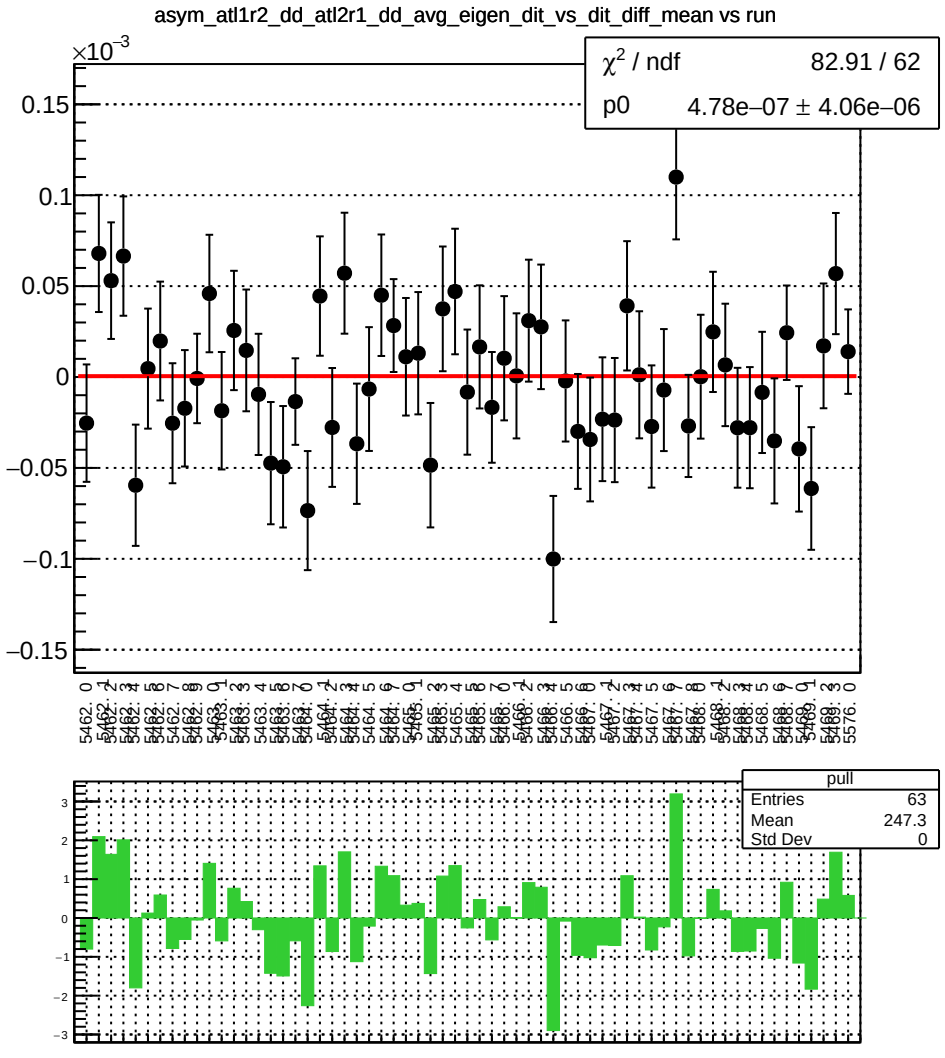

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.934e+05 / 62
p0 3.08e−11 ± 4.282e−14
1600
1400
1200
1000
800
600
400
200
0

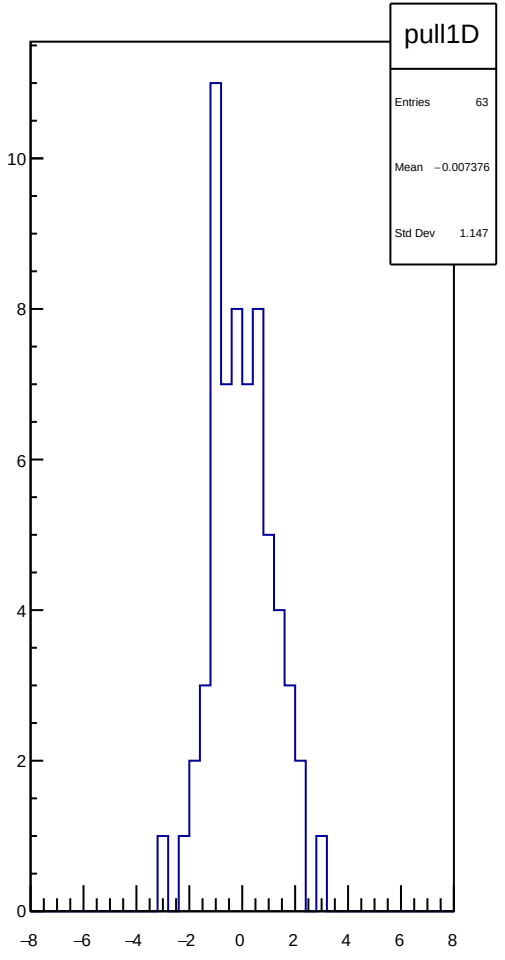

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0
pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844

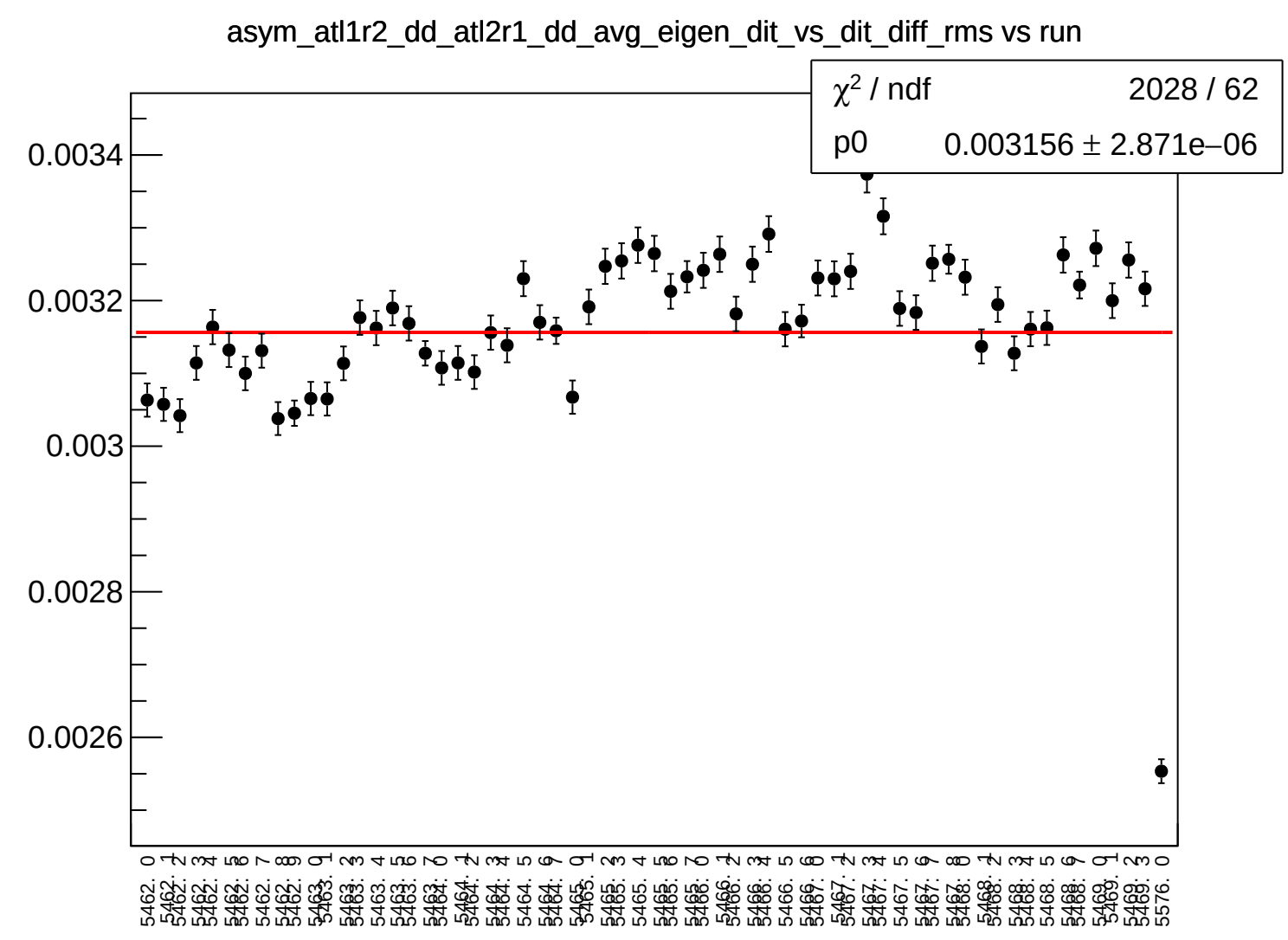

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200

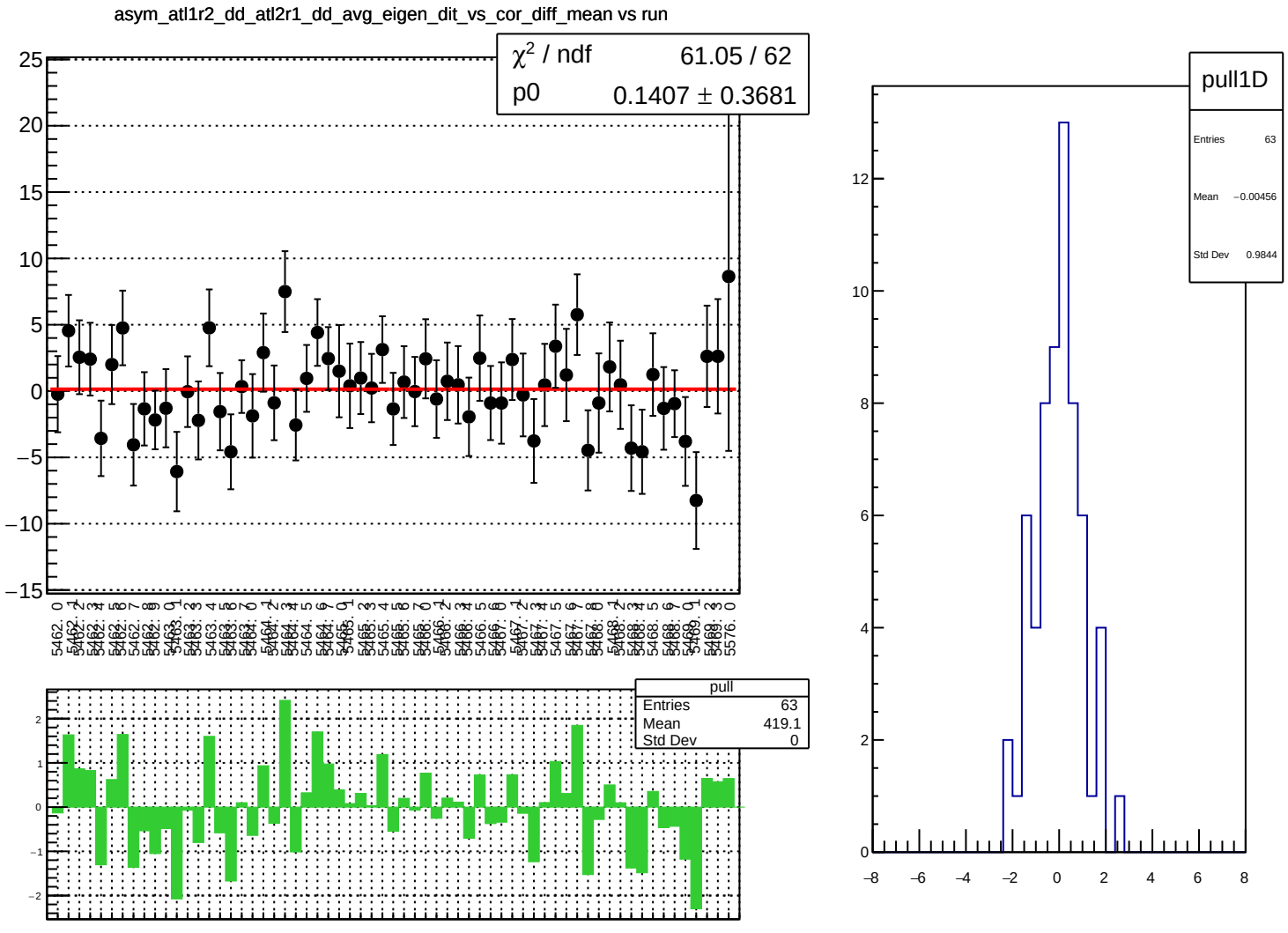

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0
pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844

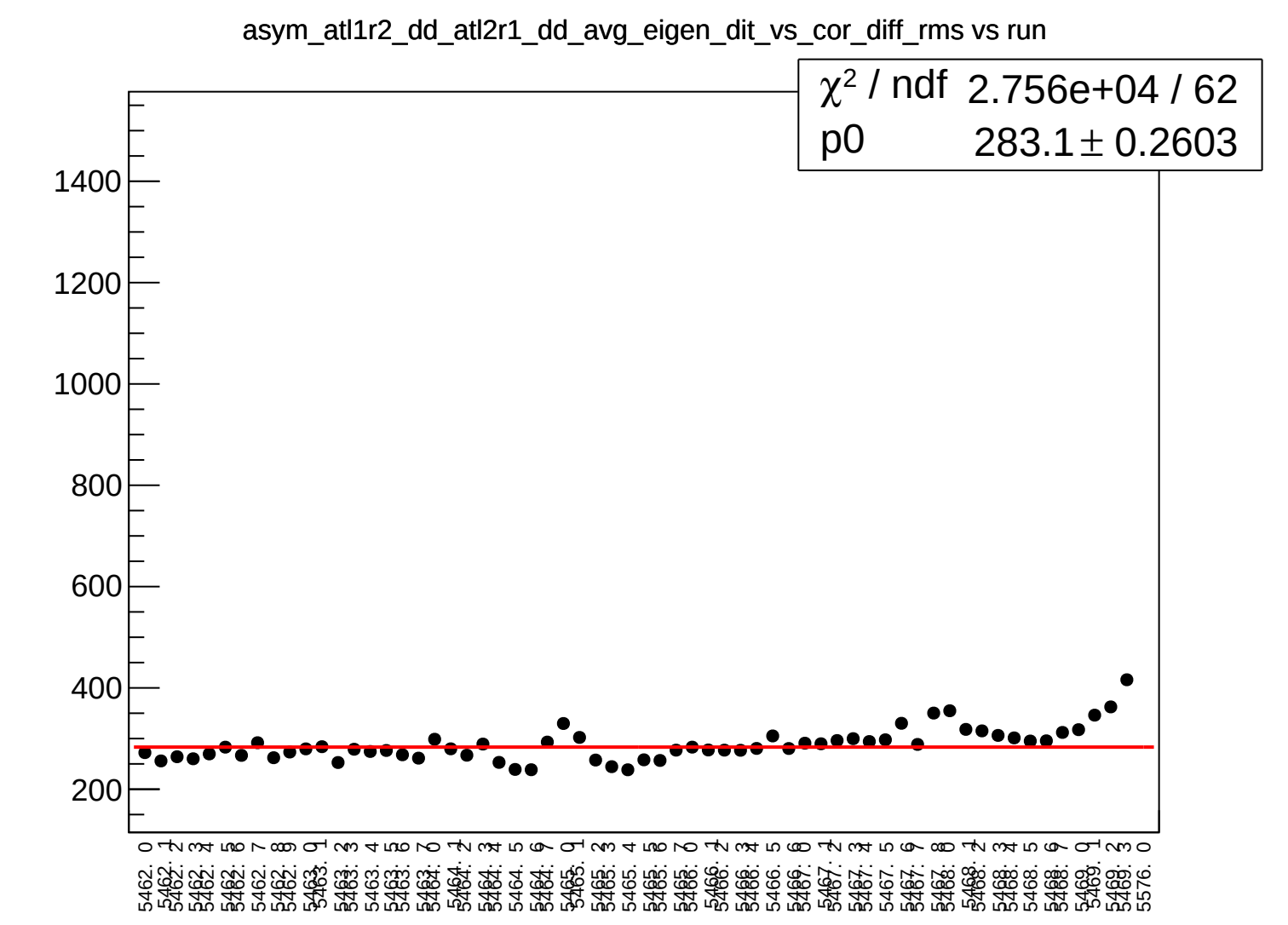

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

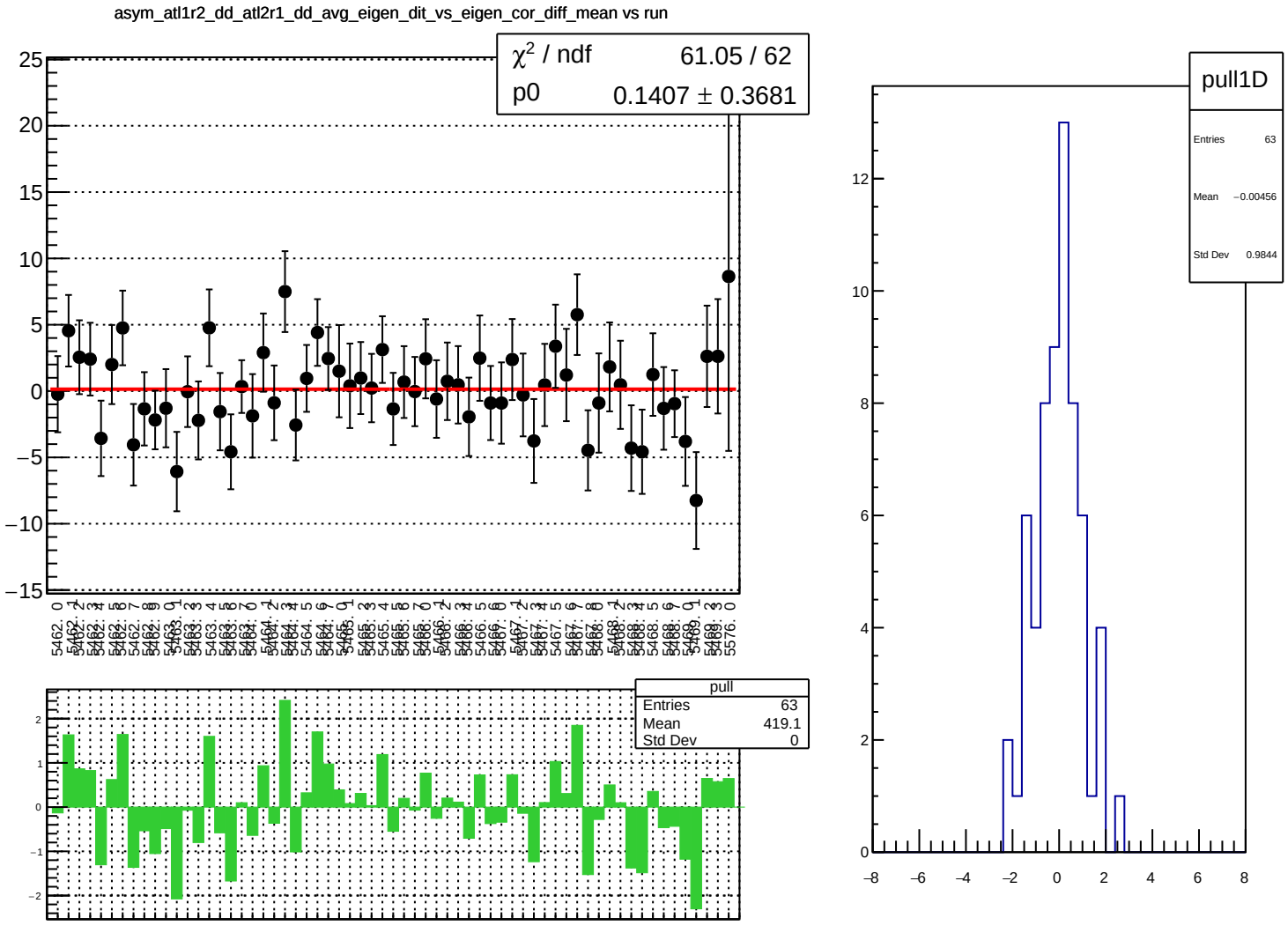

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.91 / 62
p0 4.78e−07 ± 4.06e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 63
Mean 247.3
Std Dev 0
3
2
1
0
−1
−2
−3

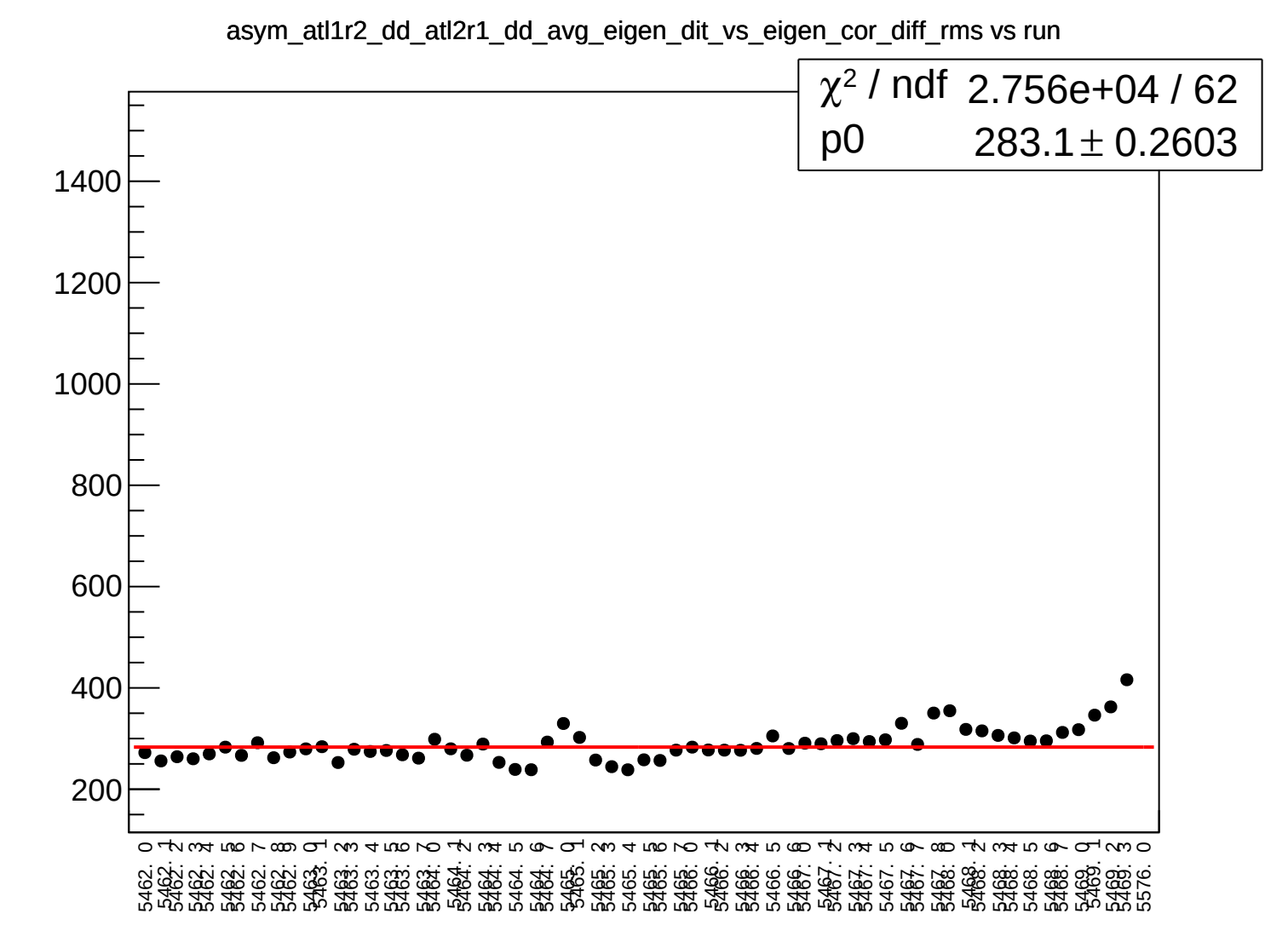

pull1D
Entries 63
Mean −0.007376
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2028 / 62
p0 0.003156 ± 2.871e−06
0.0034
0.0032
0.003
0.0028
0.0026


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0
pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.05 / 62
p0 0.1407 ± 0.3681
pull
Entries 63
Mean 419.1
Std Dev 0
pull1D
Entries 63
Mean −0.00456
Std Dev 0.9844


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.756e+04 / 62
p0 283.1 ± 0.2603
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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5465. 1
5465. 2
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5467. 7
5468. 0
5468. 1
5468. 2
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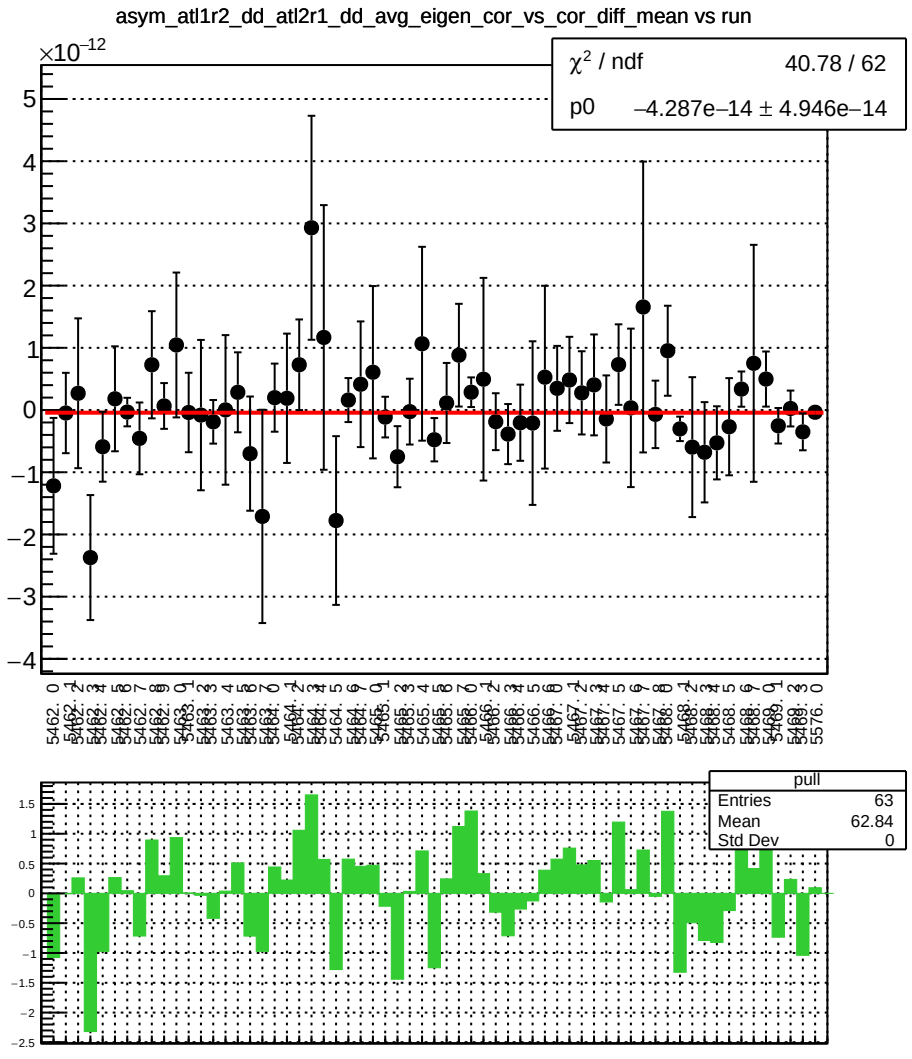
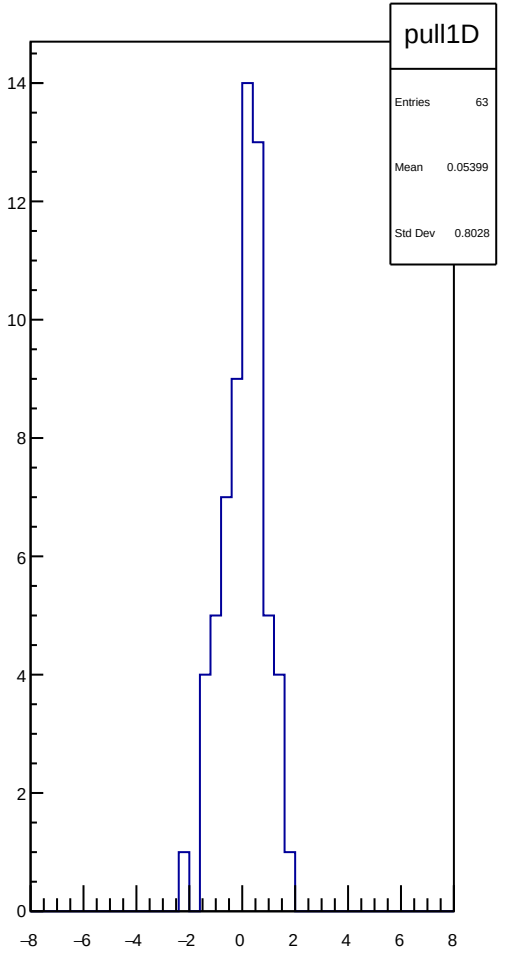
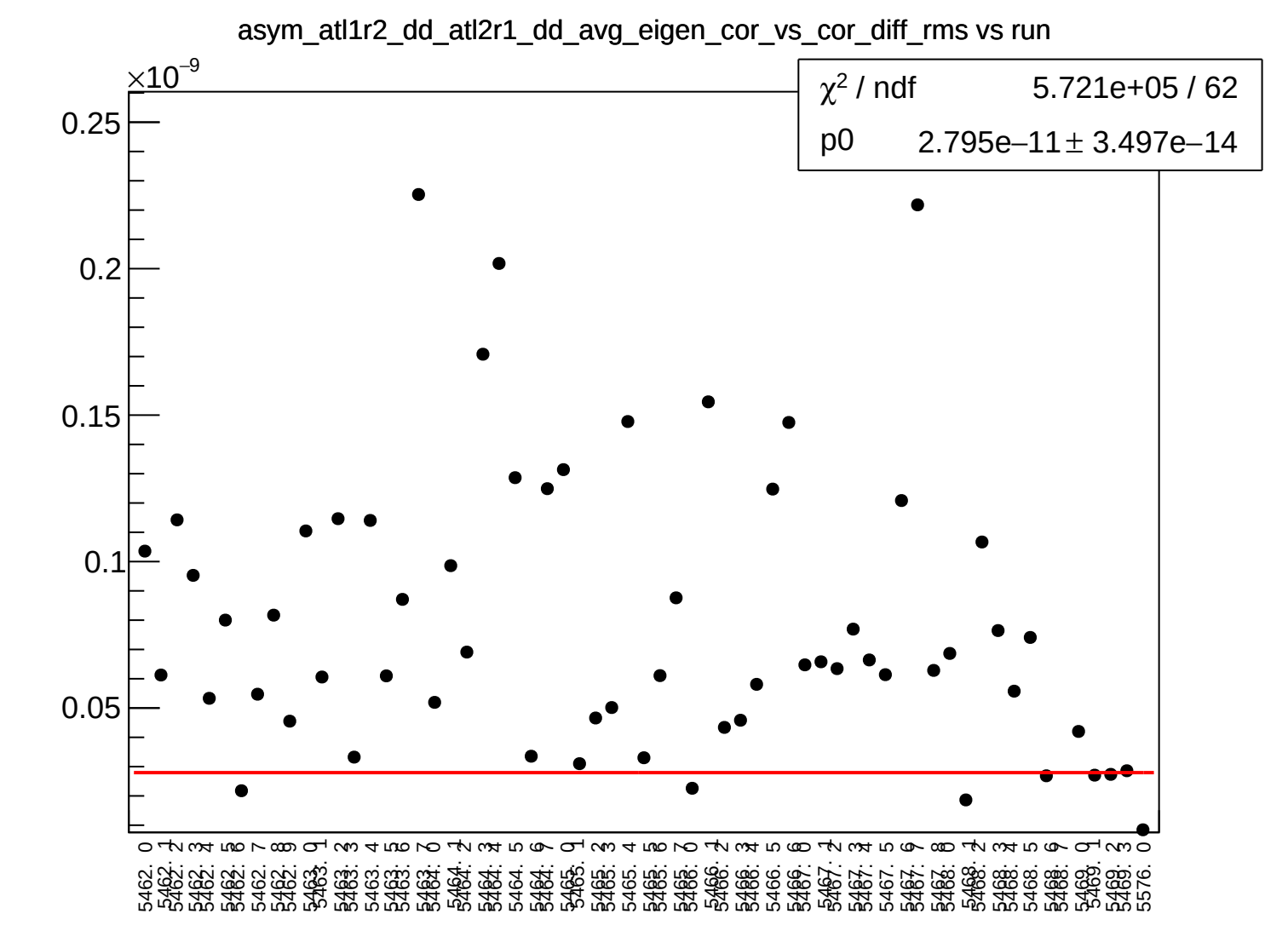
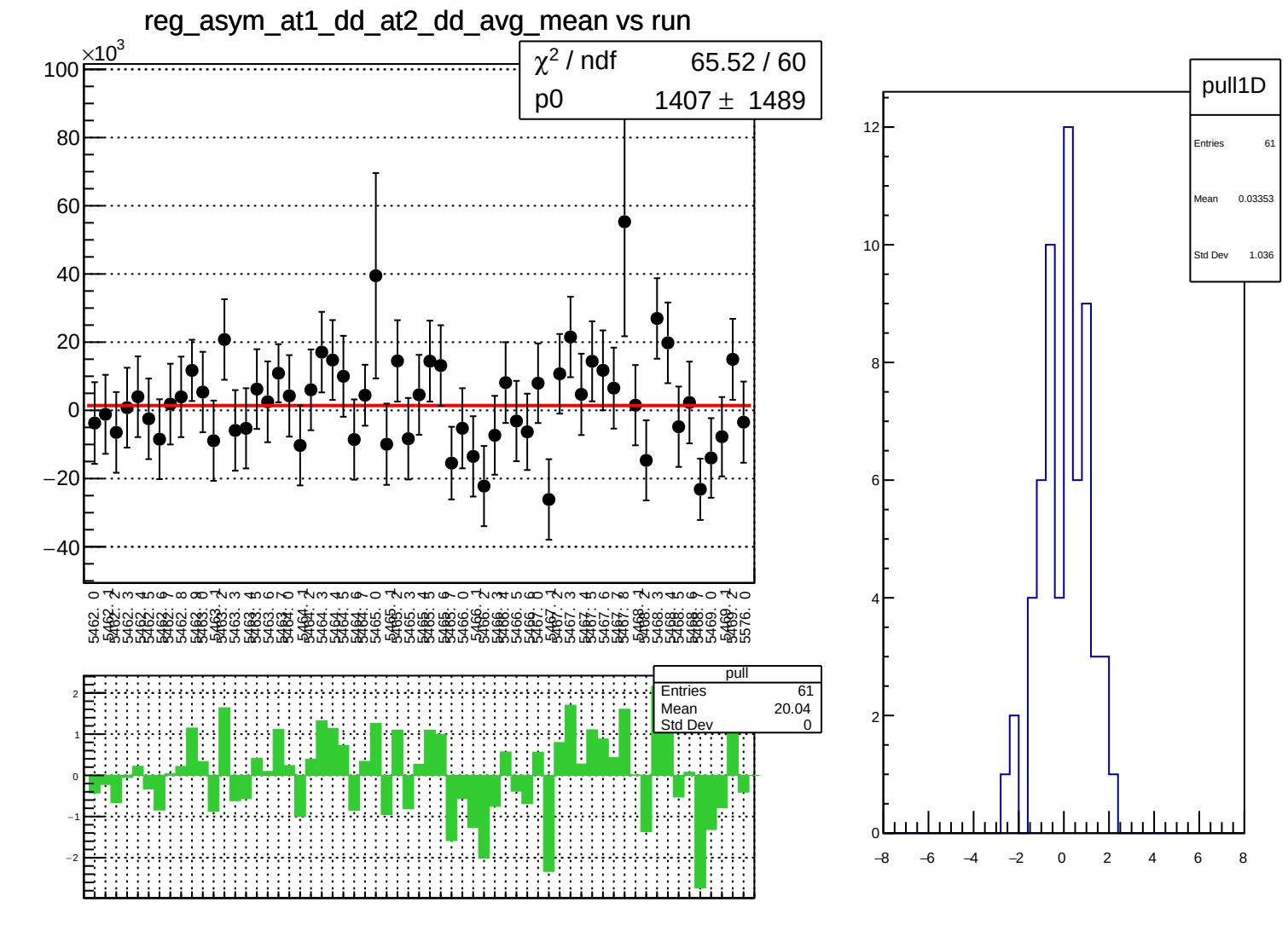
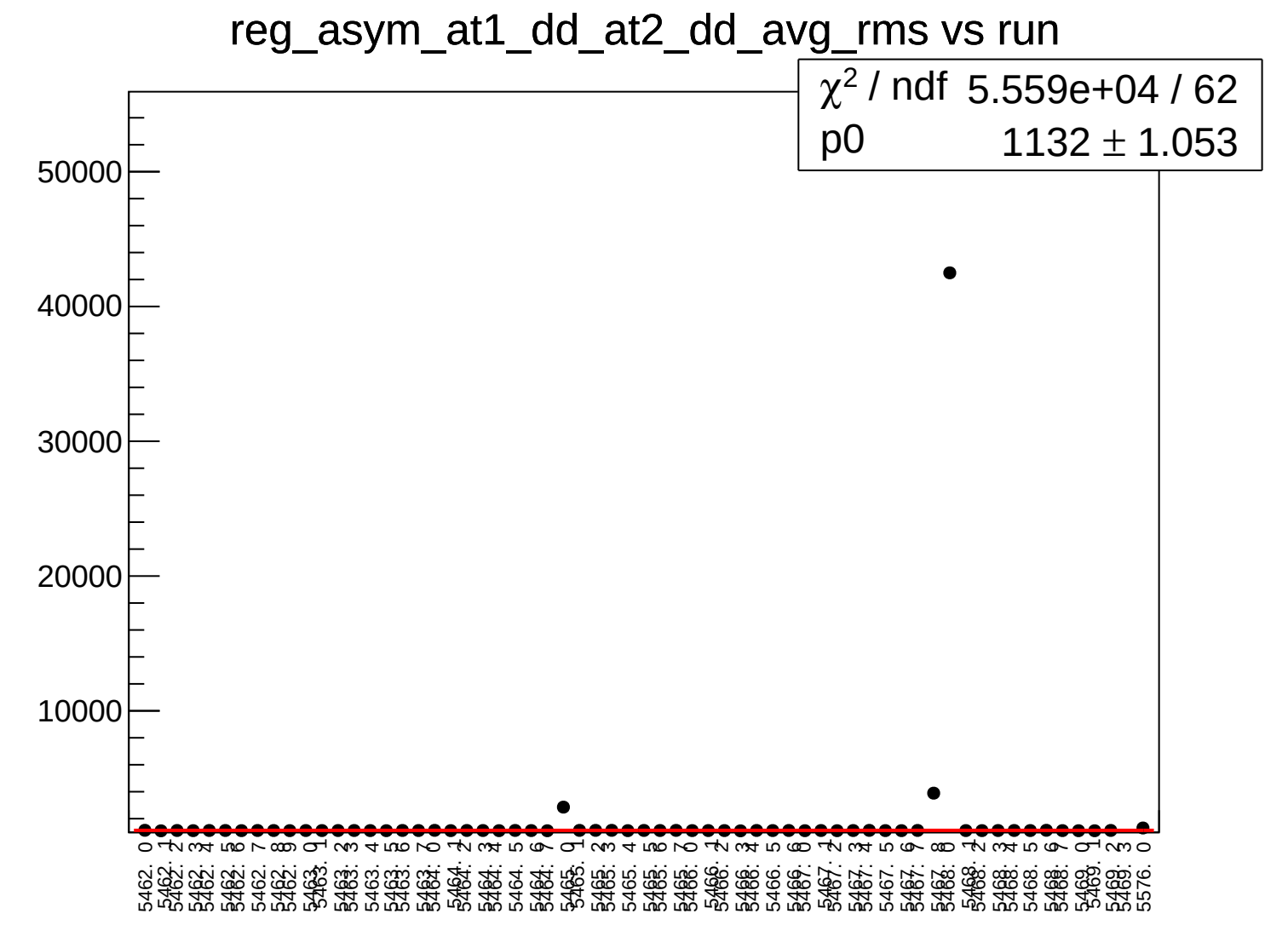
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

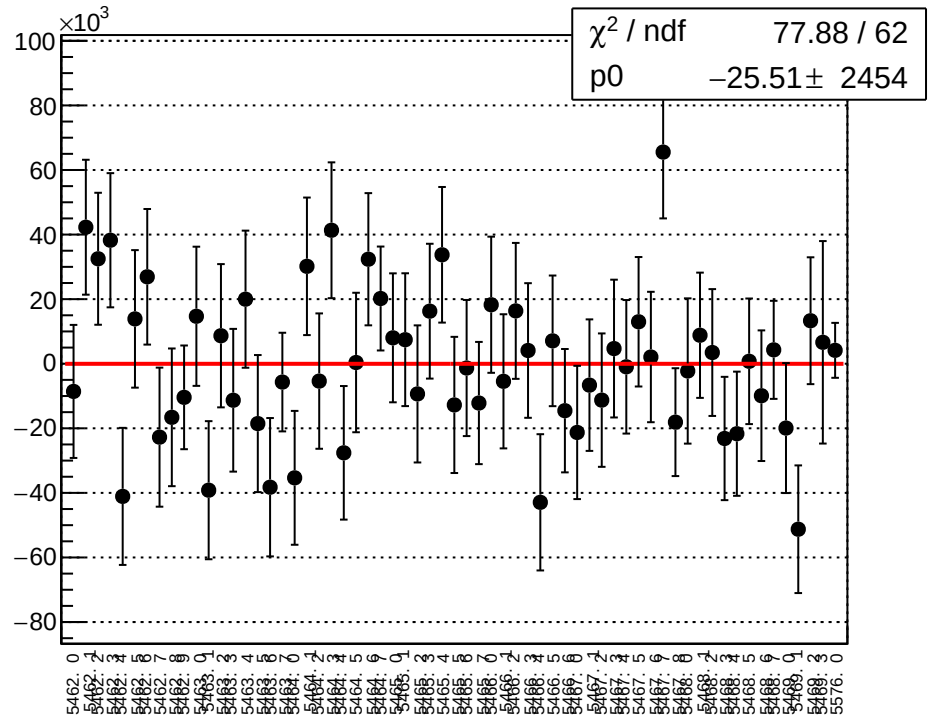

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.78 / 62
p0 −4.287e−14 ± 4.946e−14
pull
Entries 63
Mean 62.84
Std Dev 0

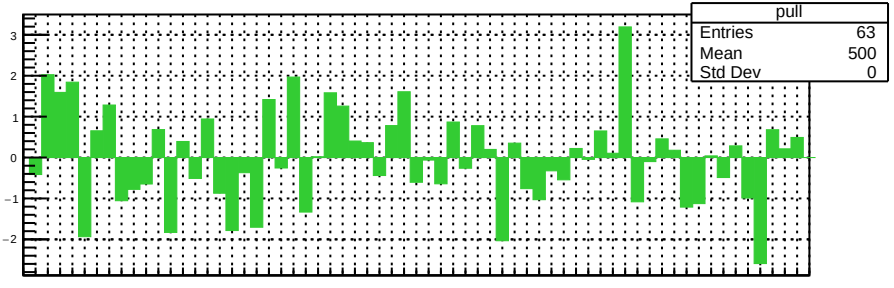

pull1D
Entries 63
Mean 0.05399
Std Dev 0.8028

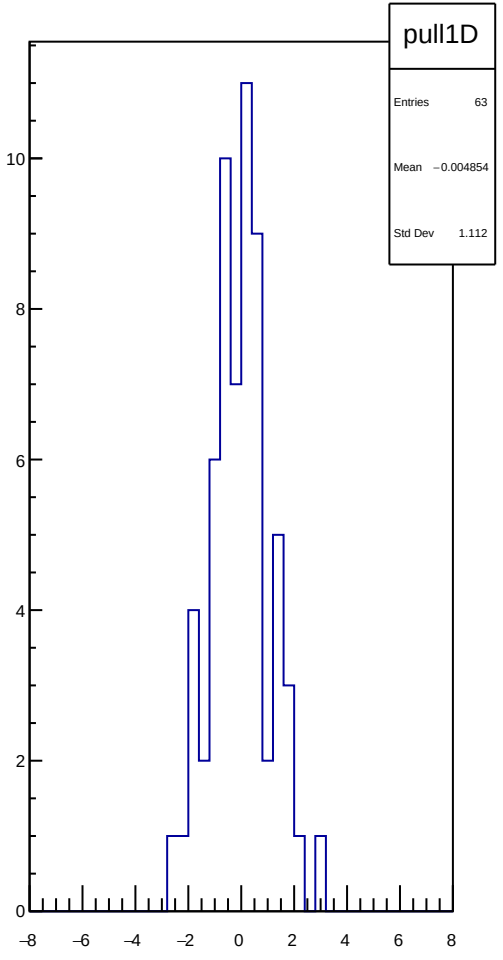

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.721e+05 / 62
p0 2.795e−11 ± 3.497e−14
0.25
0.2
0.15
0.1
0.05

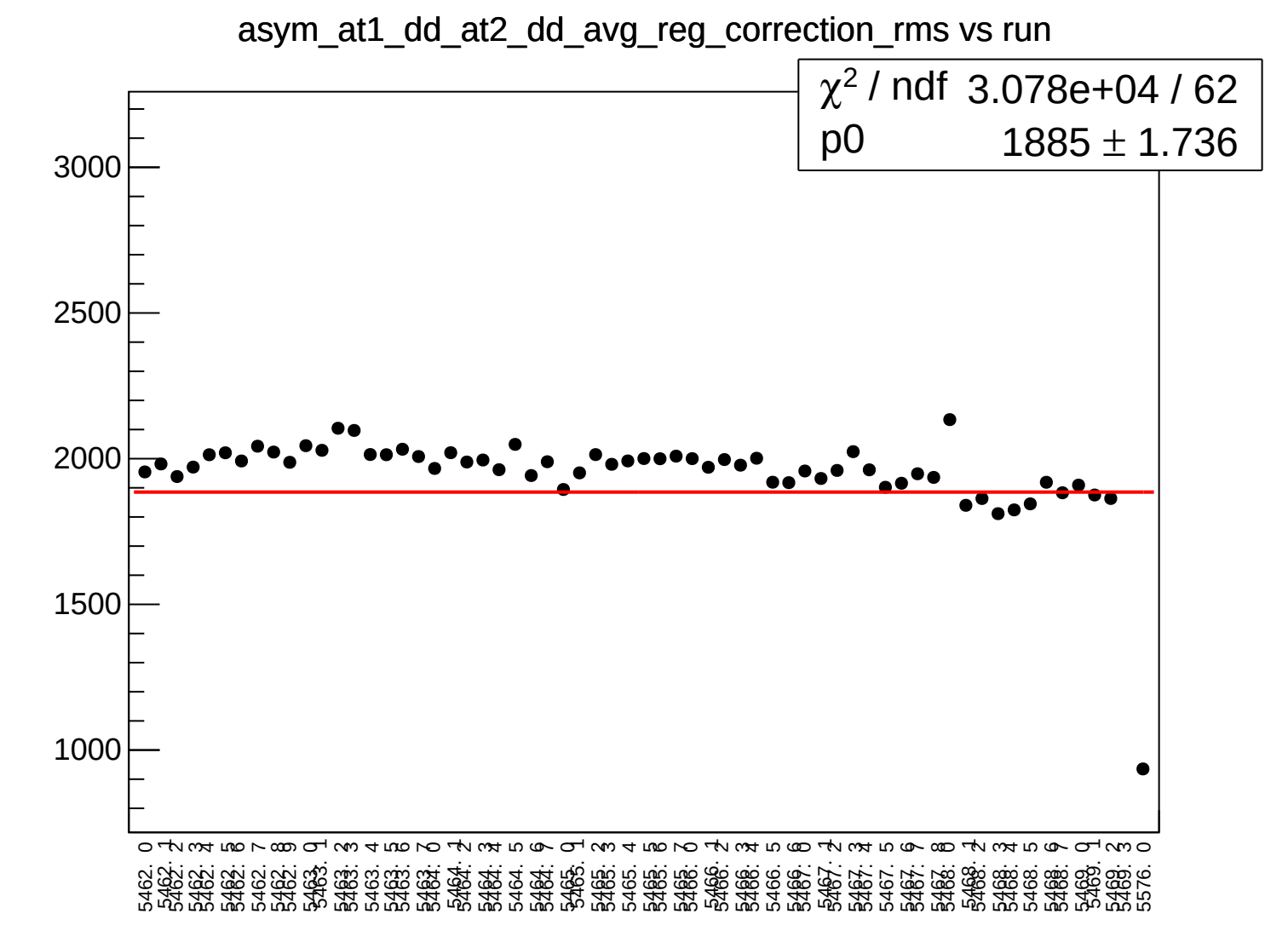

reg_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 65.52 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.04
Std Dev 0
pull1D
Entries 61
Mean 0.03353
Std Dev 1.036

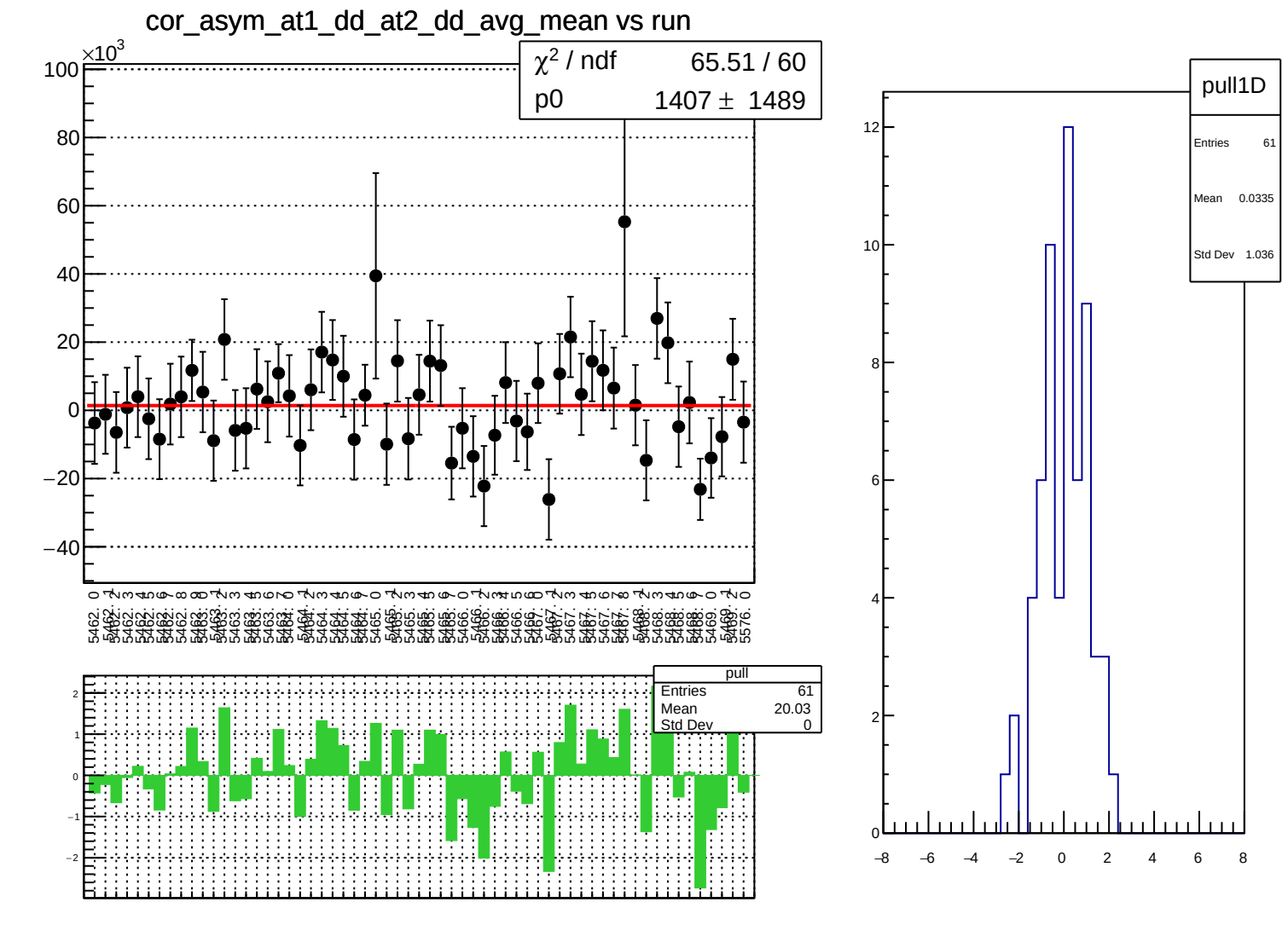

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 5.559e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000
5462. 0
5576. 0

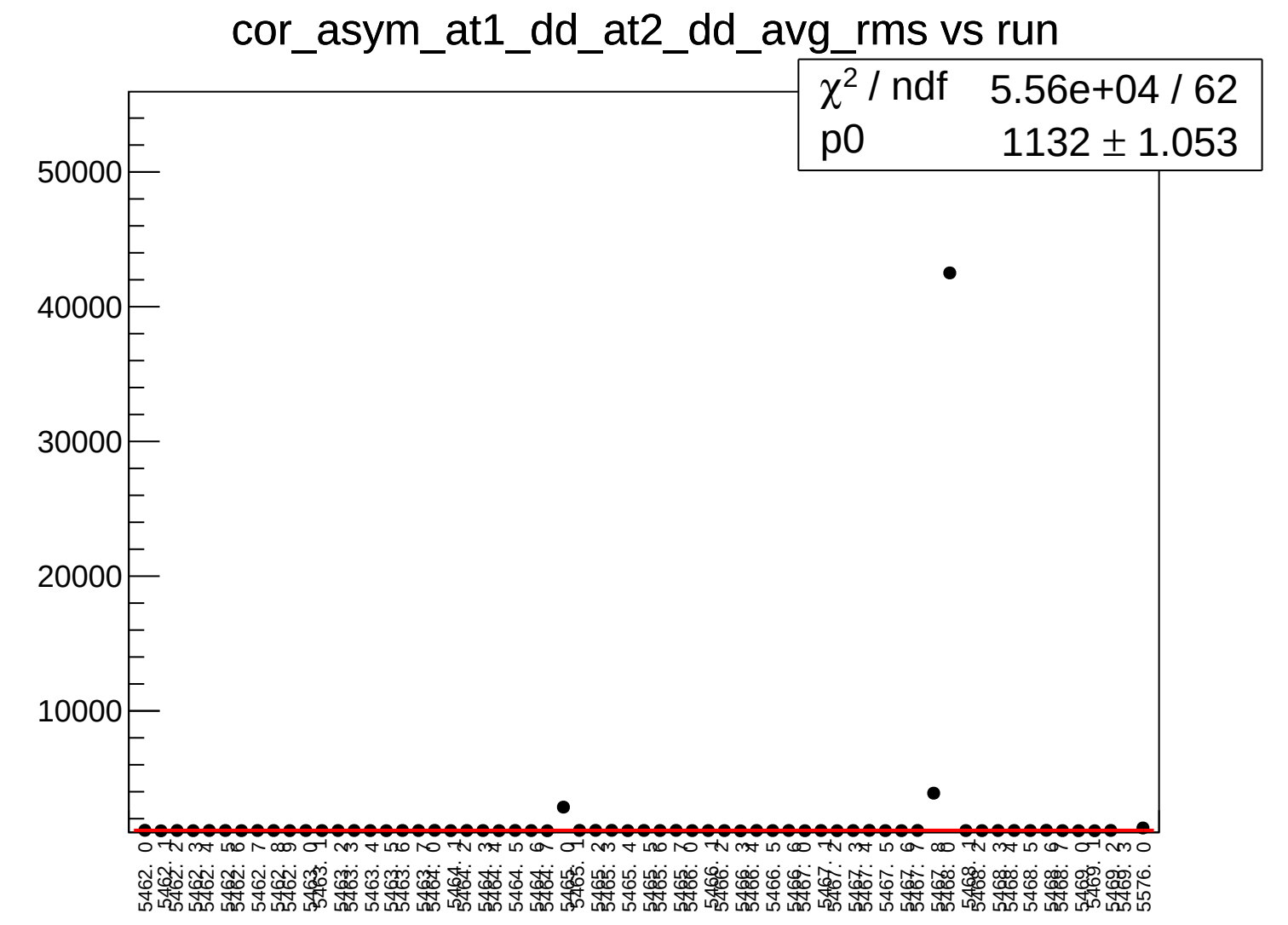

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 77.88 / 62
p0 −25.51± 2454

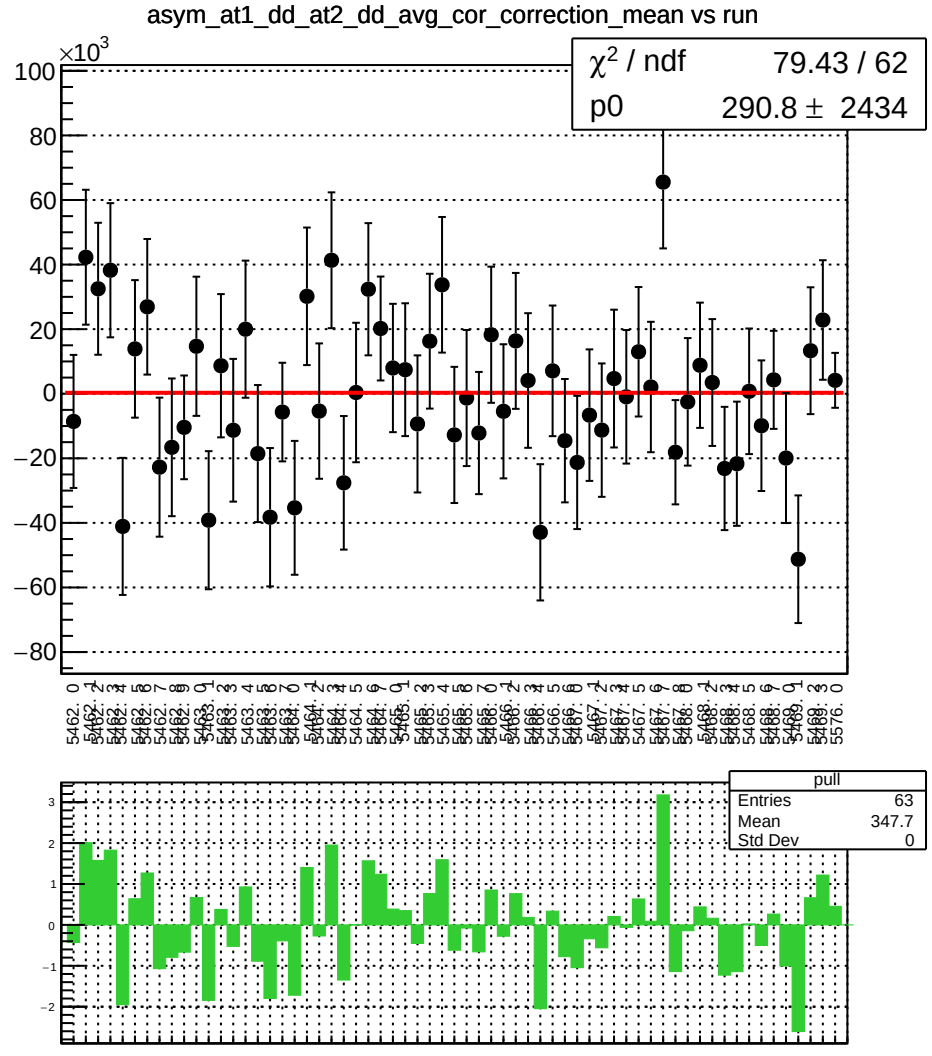

pull
Entries 63
Mean 500
Std Dev 0

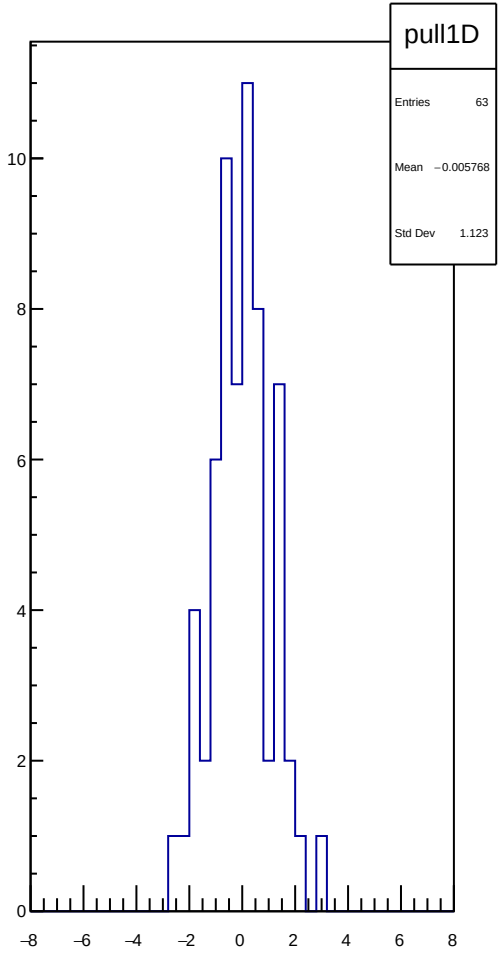

pull1D
Entries 63
Mean −0.004854
Std Dev 1.112

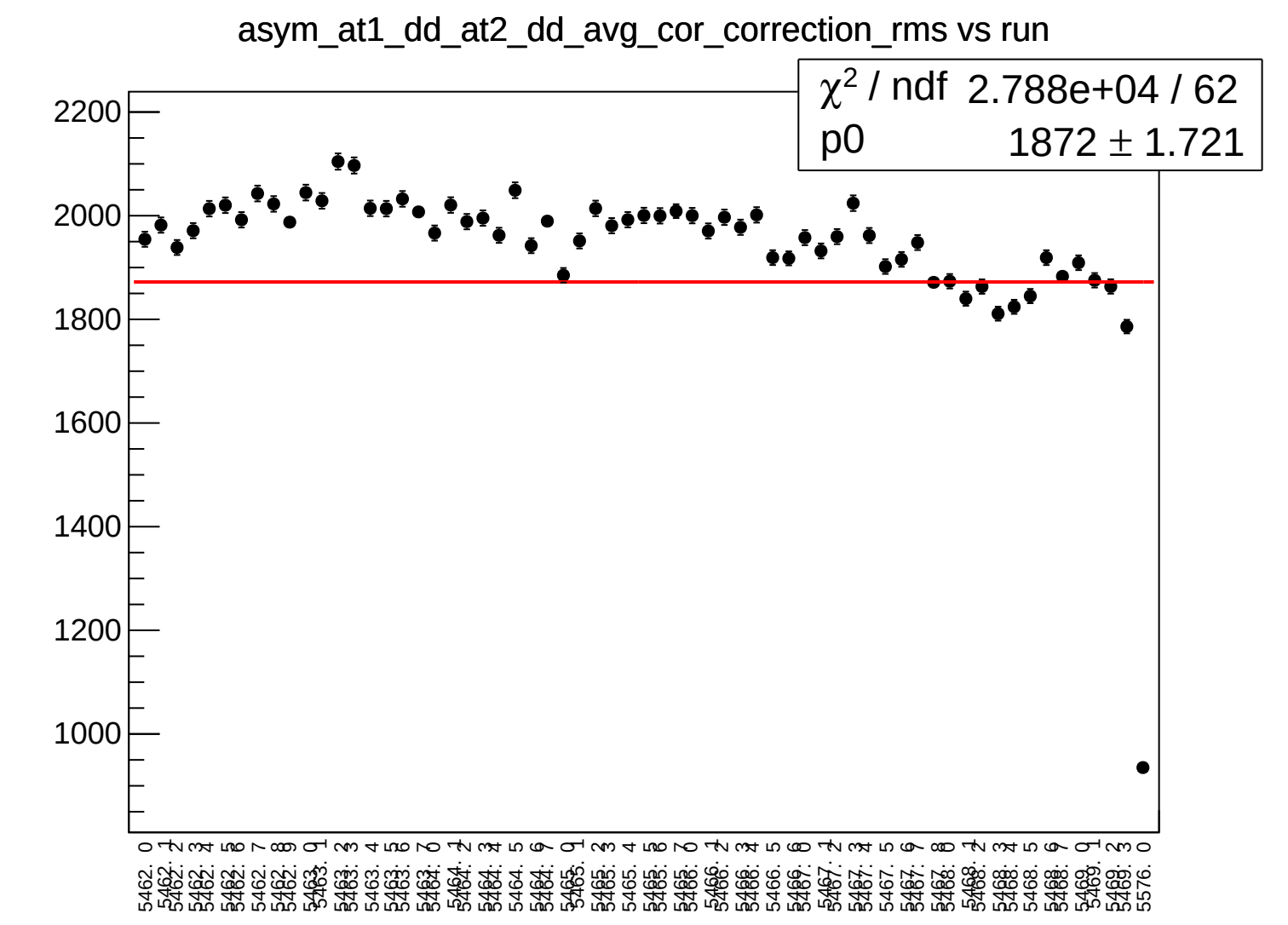

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 3.078e+04 / 62
p0 1885 ± 1.736
3000
2500
2000
1500
1000

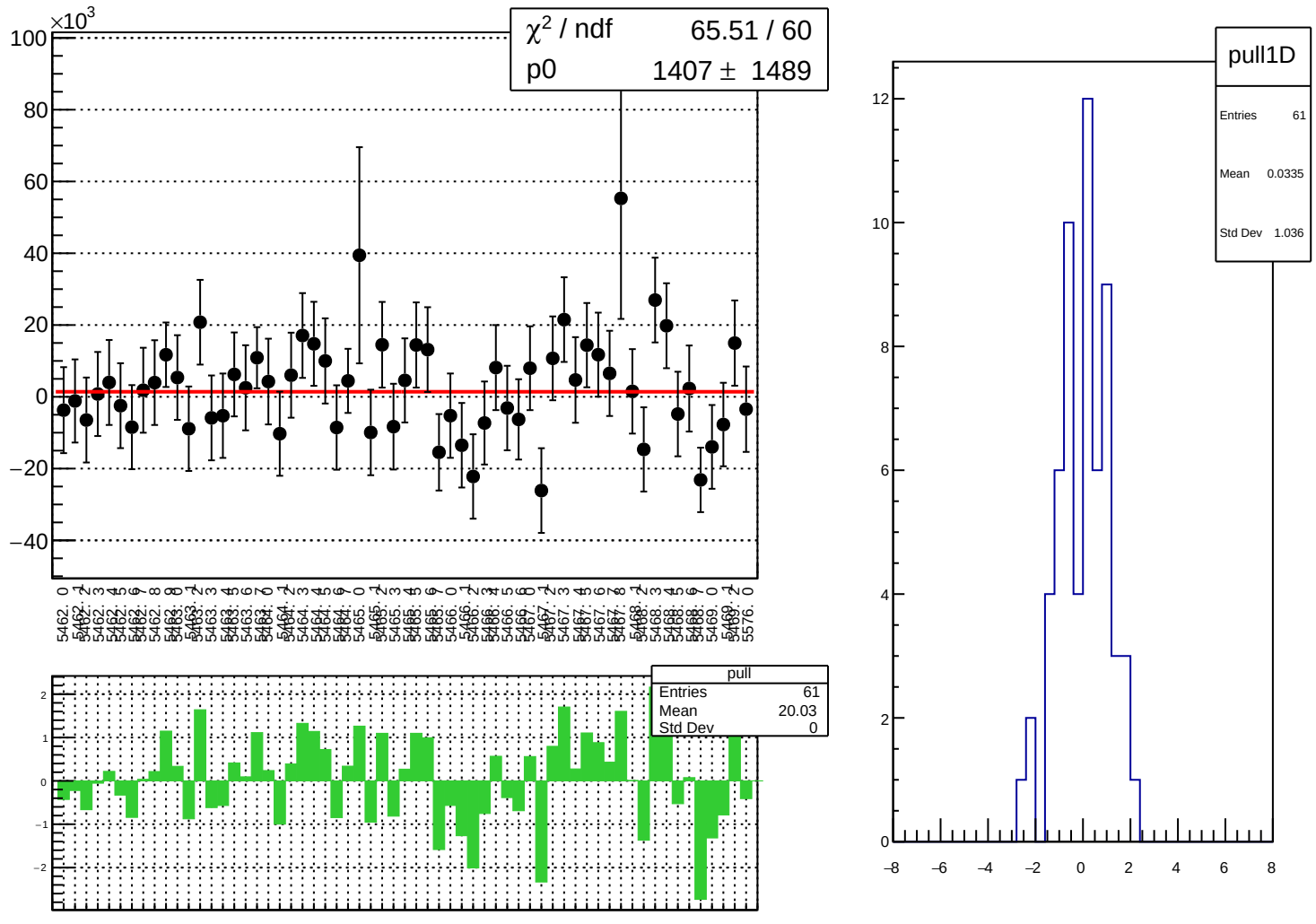

cor_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 65.51 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.03
Std Dev 0
pull1D
Entries 61
Mean 0.0335
Std Dev 1.036

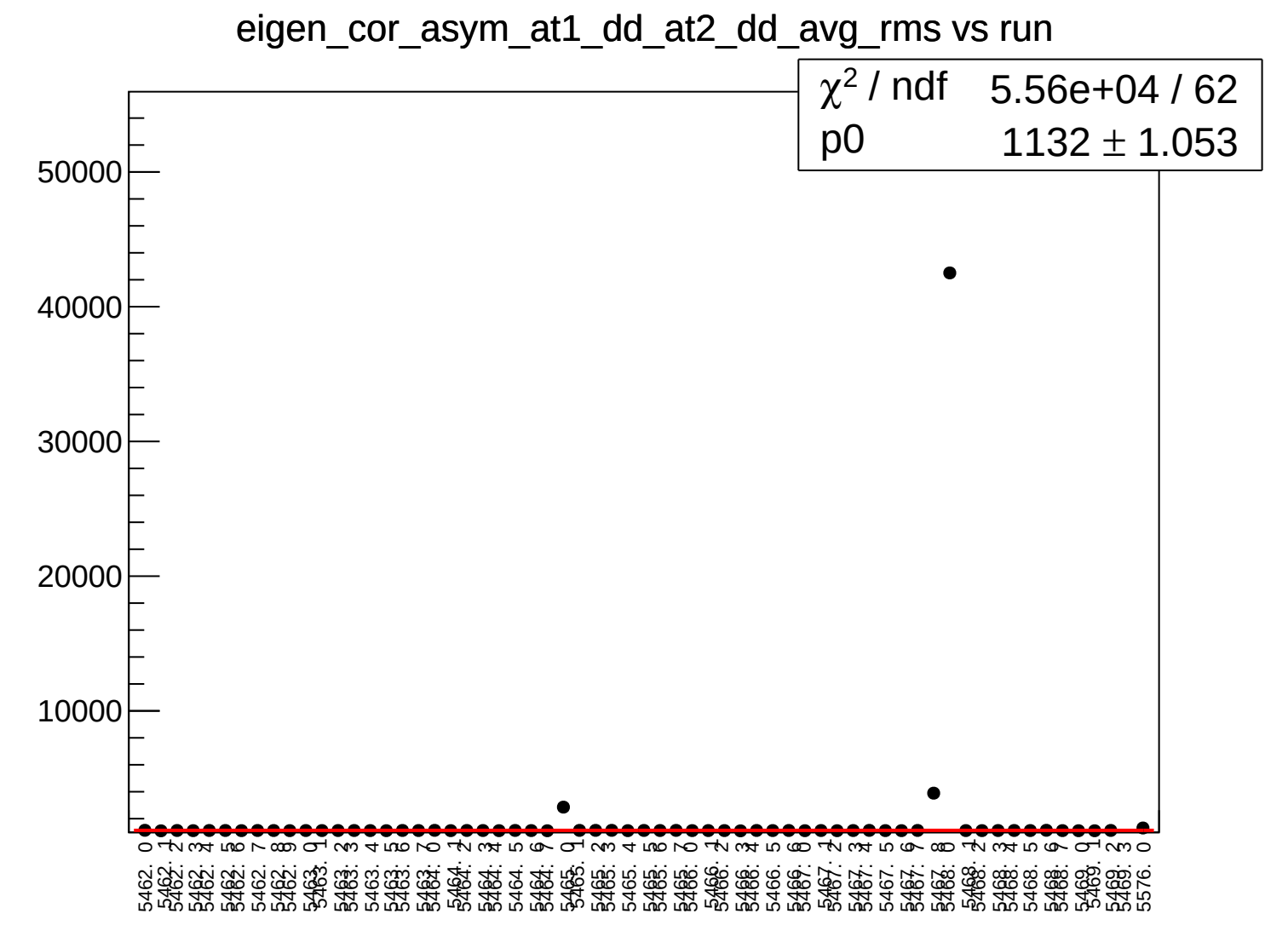

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 5.56e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000
5462. 0
5576. 0


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 79.43 / 62
p0 290.8 ± 2434
pull
Entries 63
Mean 347.7
Std Dev 0


pull1D
Entries 63
Mean −0.005768
Std Dev 1.123


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2.788e+04 / 62
p0 1872 ± 1.721
2200
2000
1800
1600
1400
1200
1000


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 65.51 / 60
p0 1407 ± 1489
pull
Entries 61
Mean 20.03
Std Dev 0
pull1D
Entries 61
Mean 0.0335
Std Dev 1.036


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 5.56e+04 / 62
p0 1132 ± 1.053
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
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5465. 1
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5466. 2
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5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
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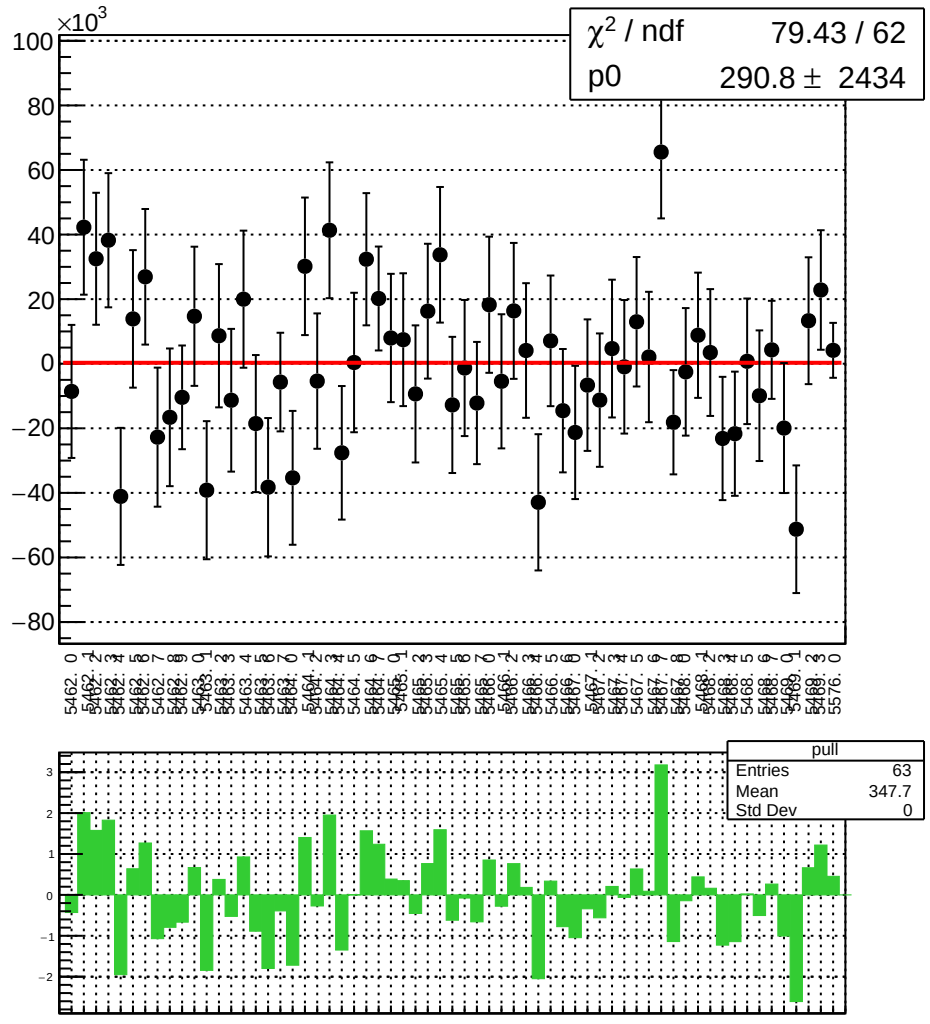
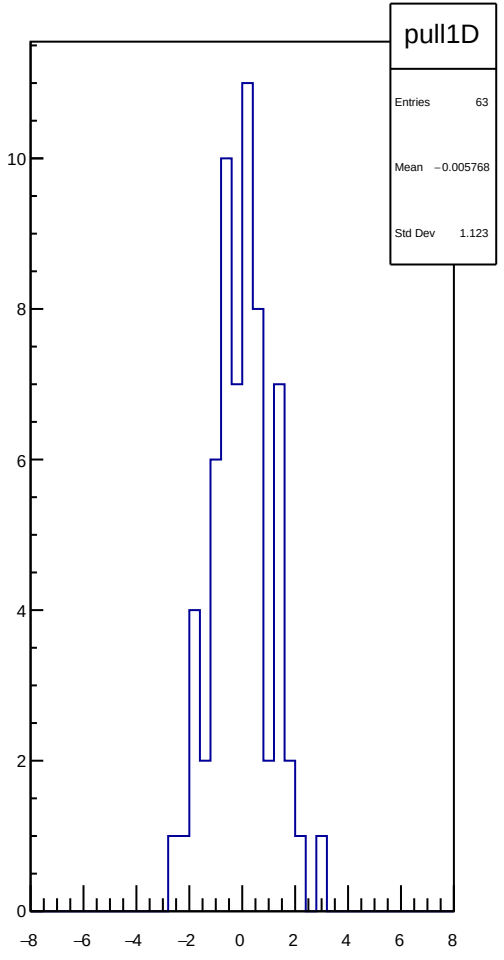
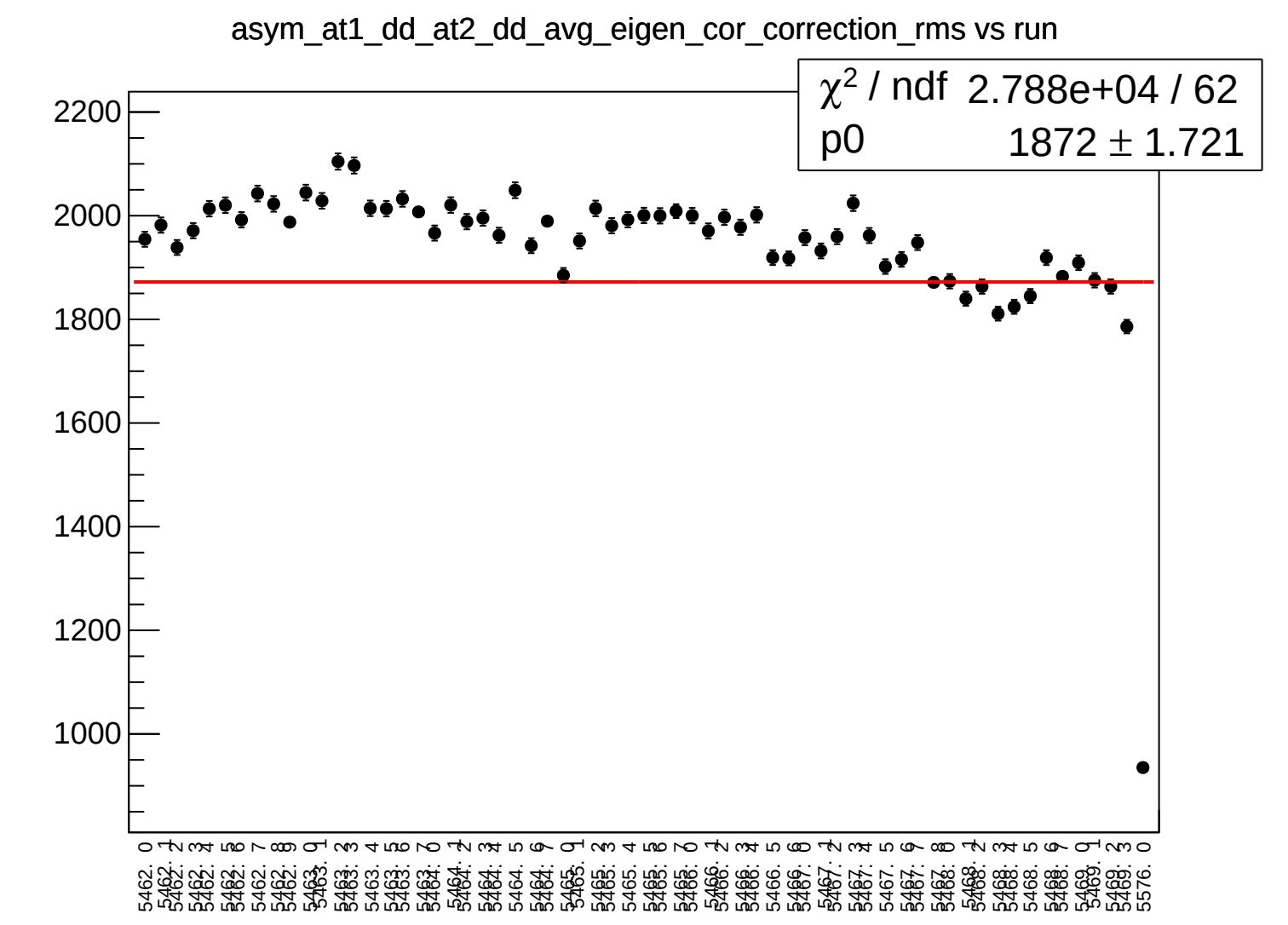
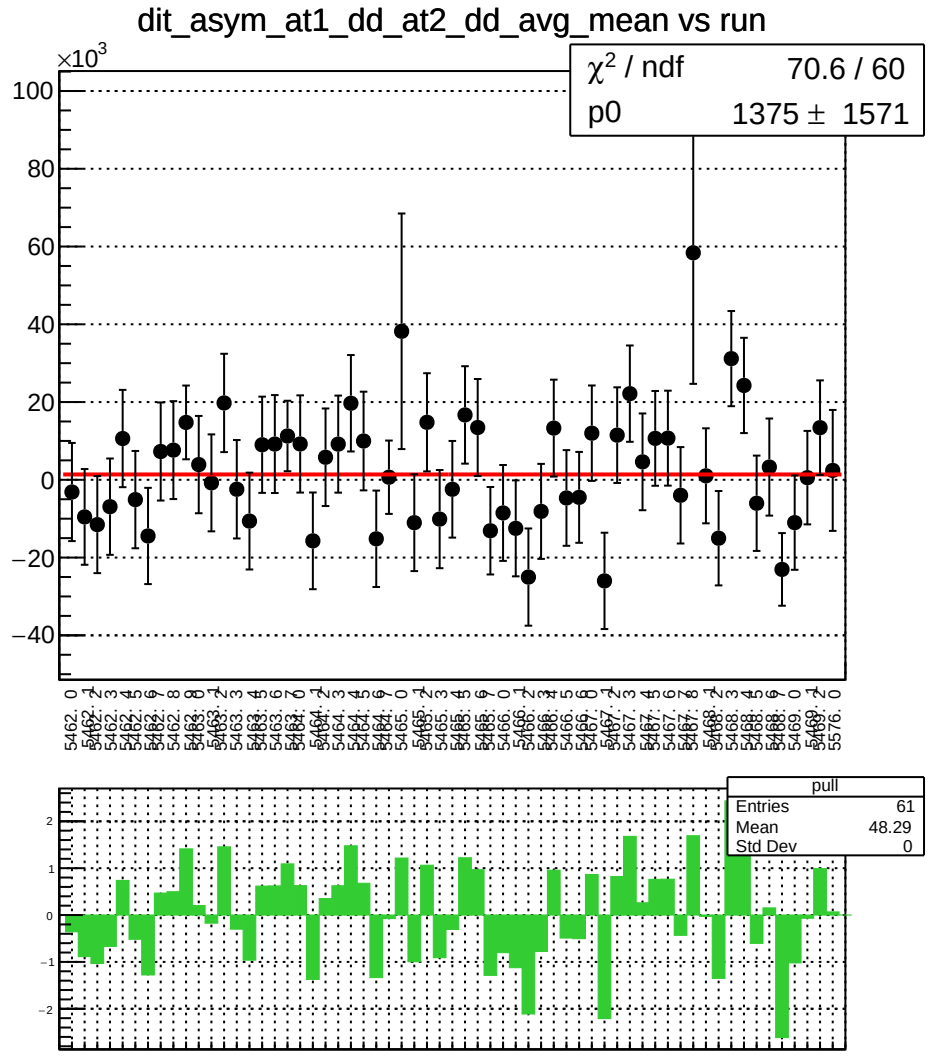
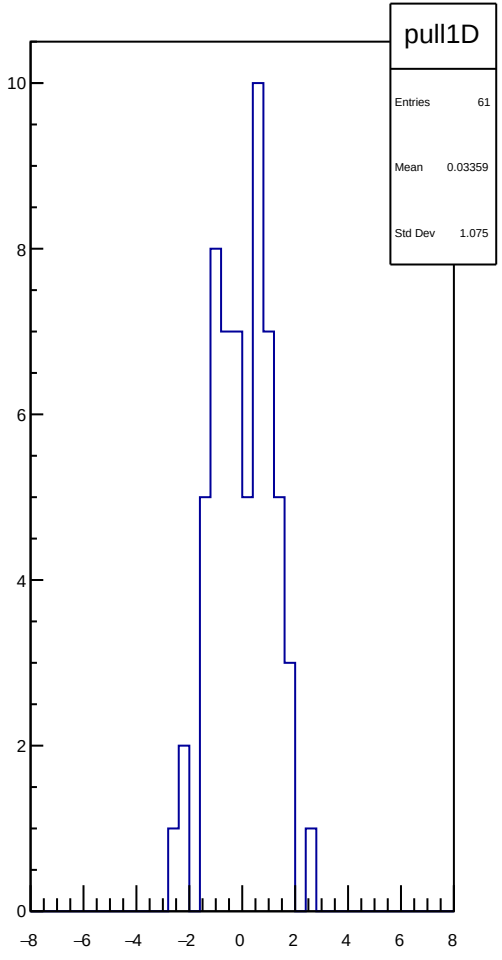
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

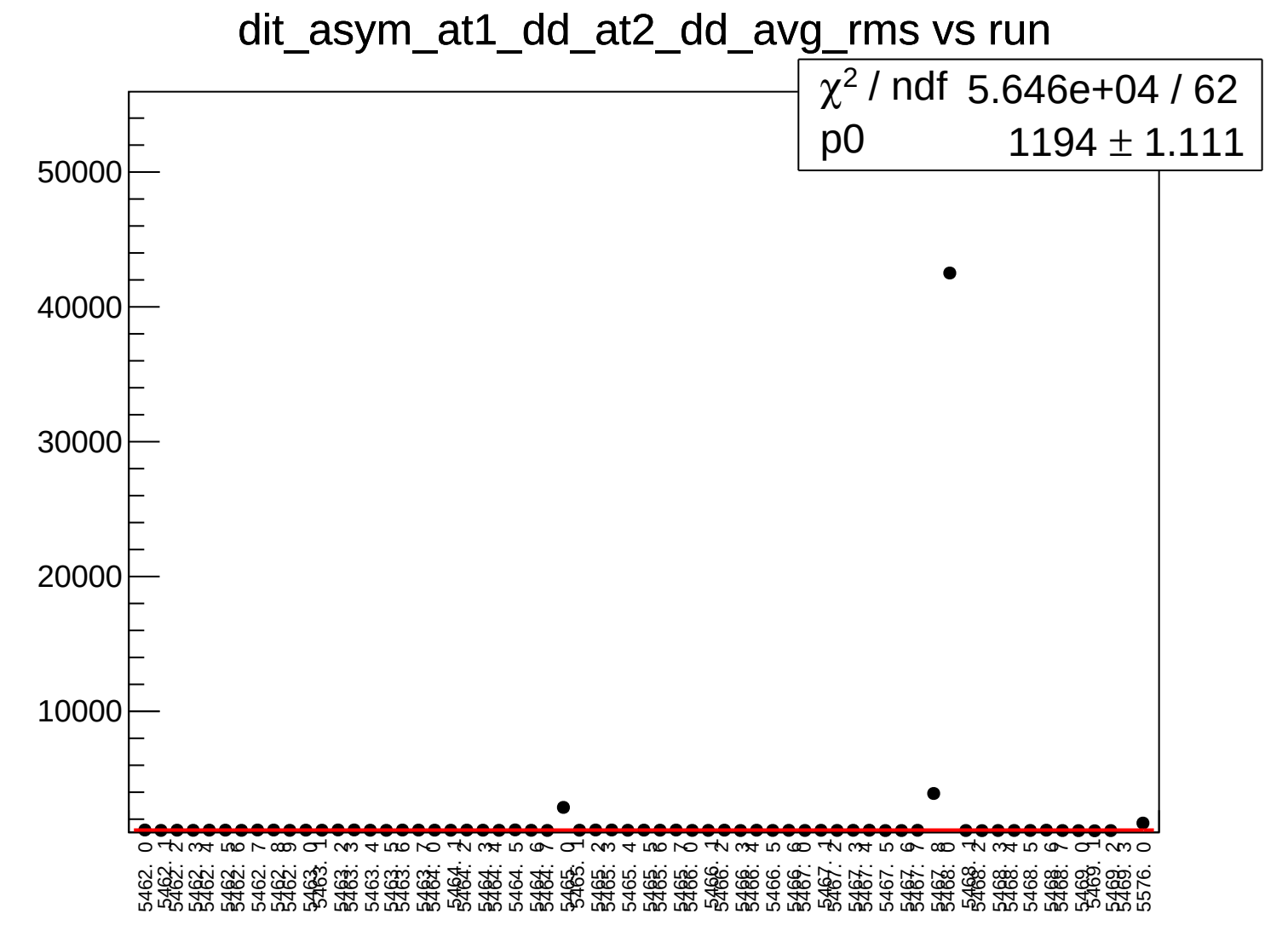

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.43 / 62
p0 290.8 ± 2434
pull
Entries 63
Mean 347.7
Std Dev 0

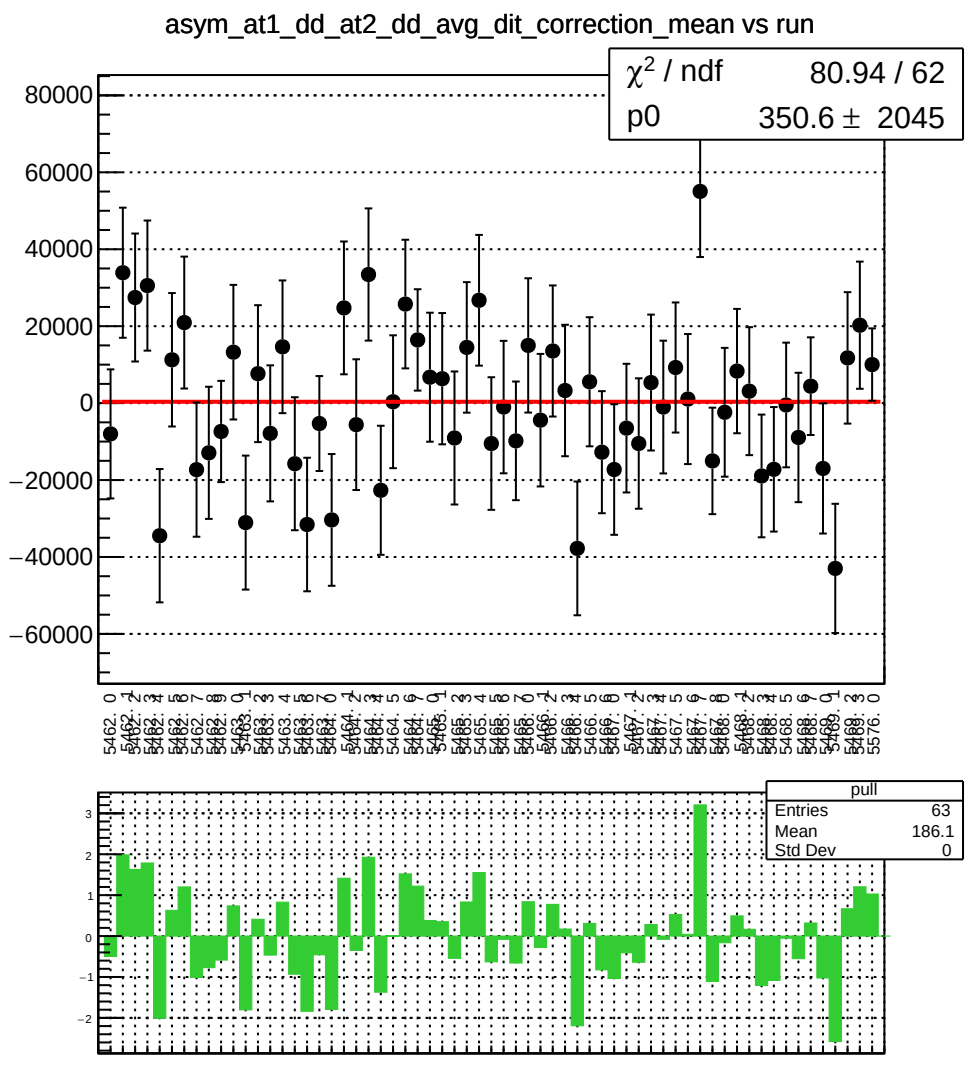

pull1D
Entries 63
Mean −0.005768
Std Dev 1.123

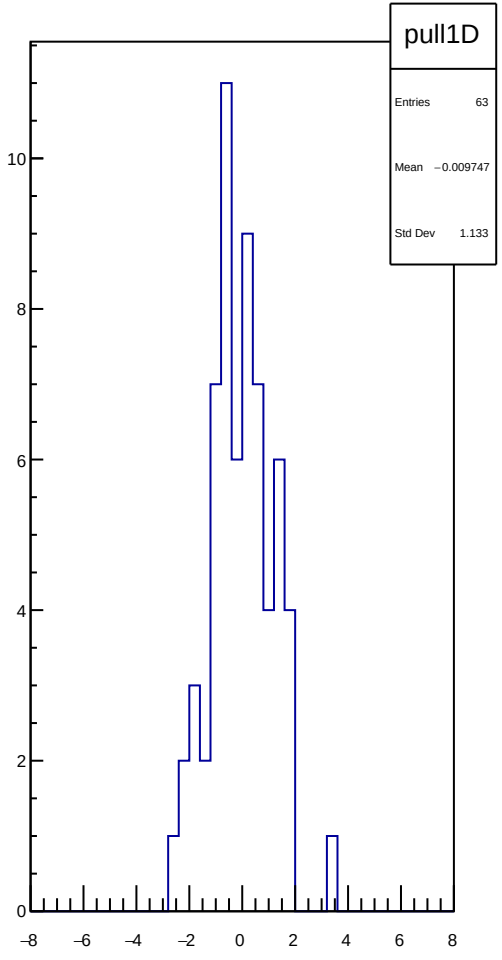

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.788e+04 / 62
p0 1872 ± 1.721
2200
2000
1800
1600
1400
1200
1000

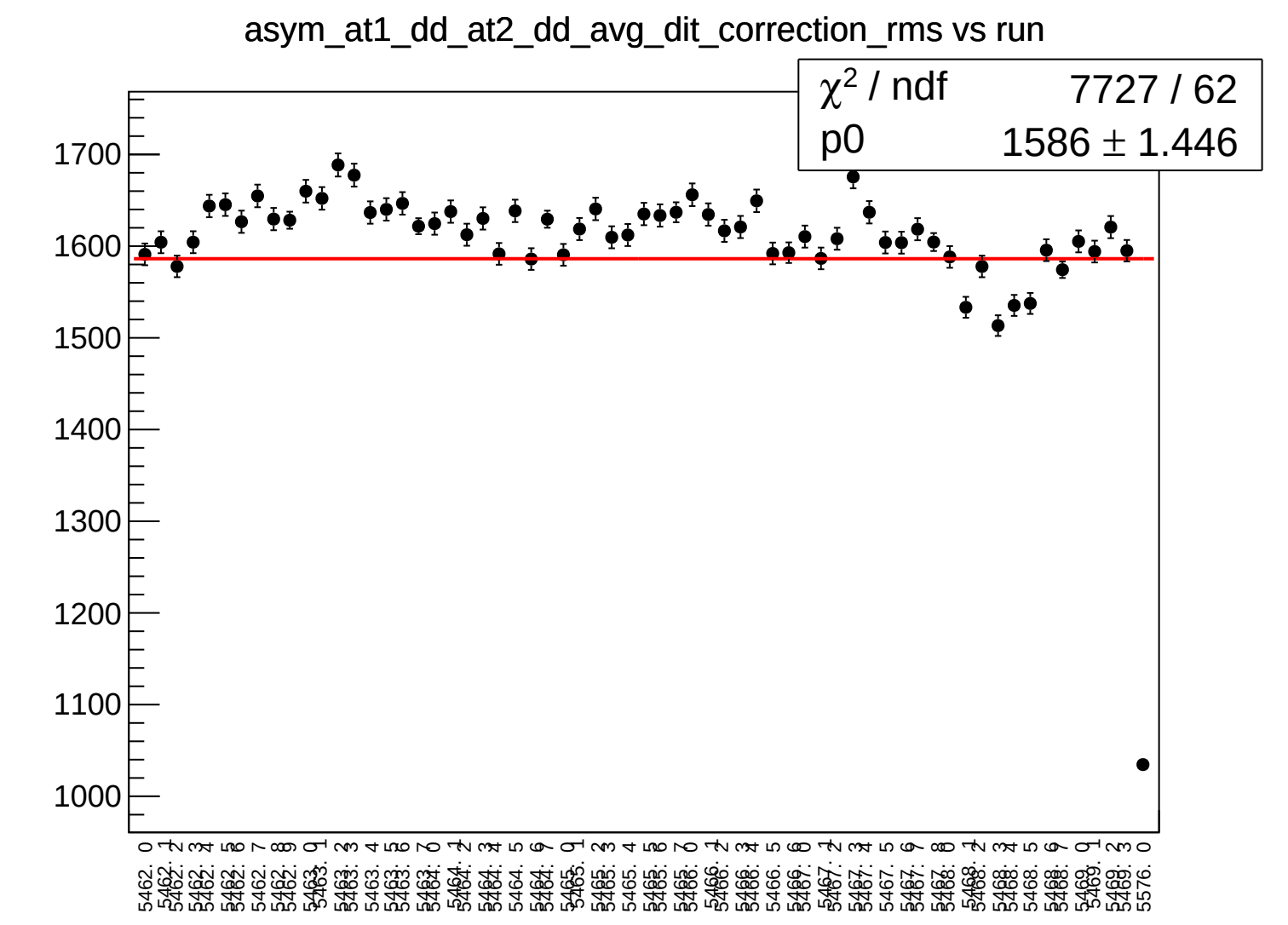

dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 70.6 / 60
p0 1375 ± 1571
pull
Entries 61
Mean 48.29
Std Dev 0

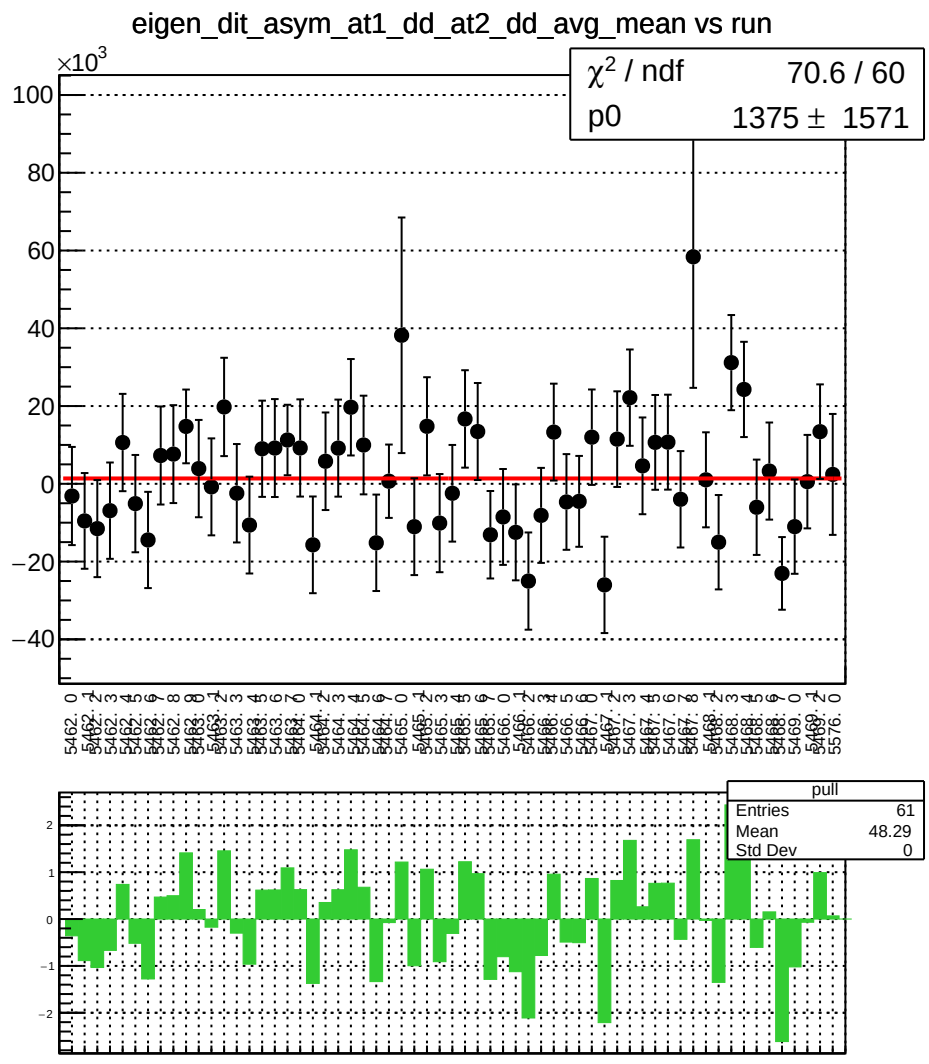

pull1D
Entries 61
Mean 0.03359
Std Dev 1.075

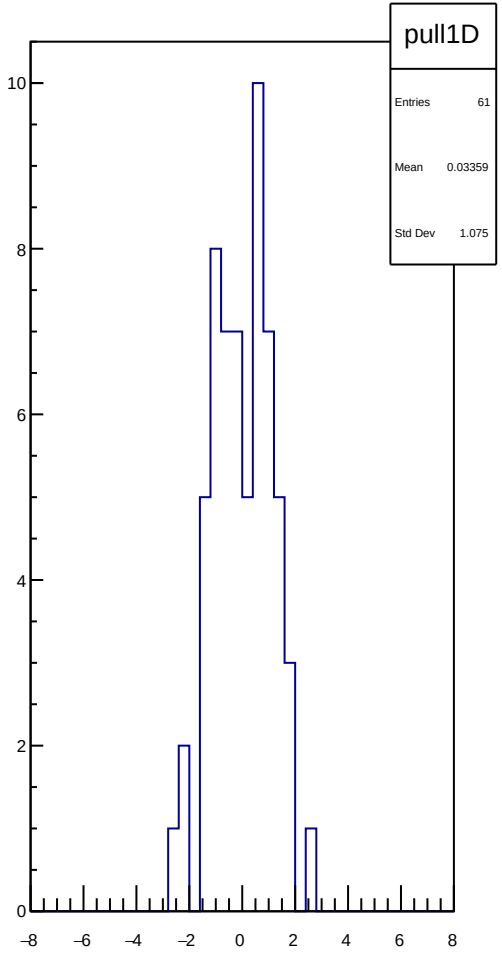

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 5.646e+04 / 62
p0 1194 ± 1.111
50000
40000
30000
20000
10000
5462. 0
5576. 0

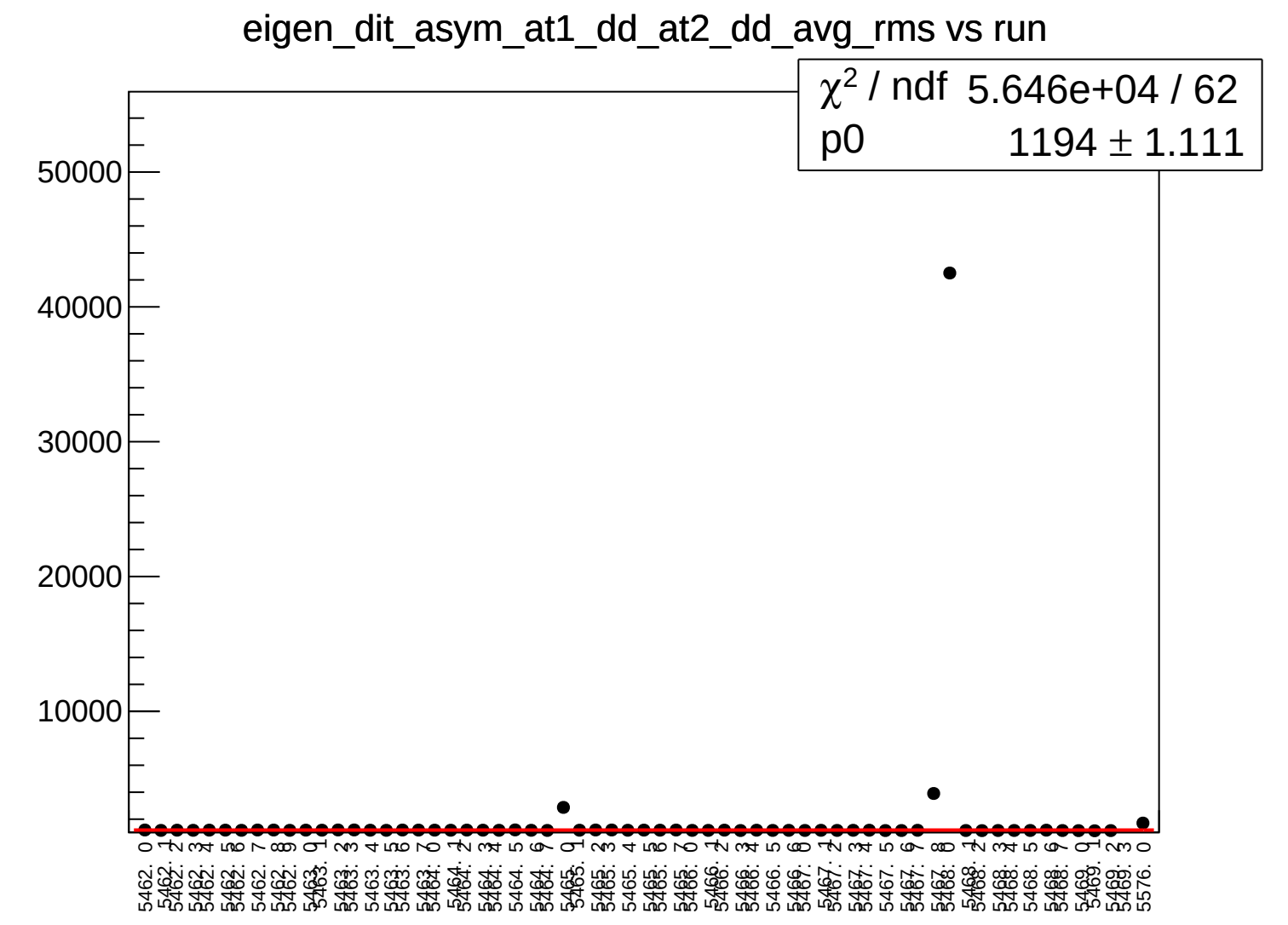

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 80.94 / 62
p0 350.6 ± 2045
pull
Entries 63
Mean 186.1
Std Dev 0

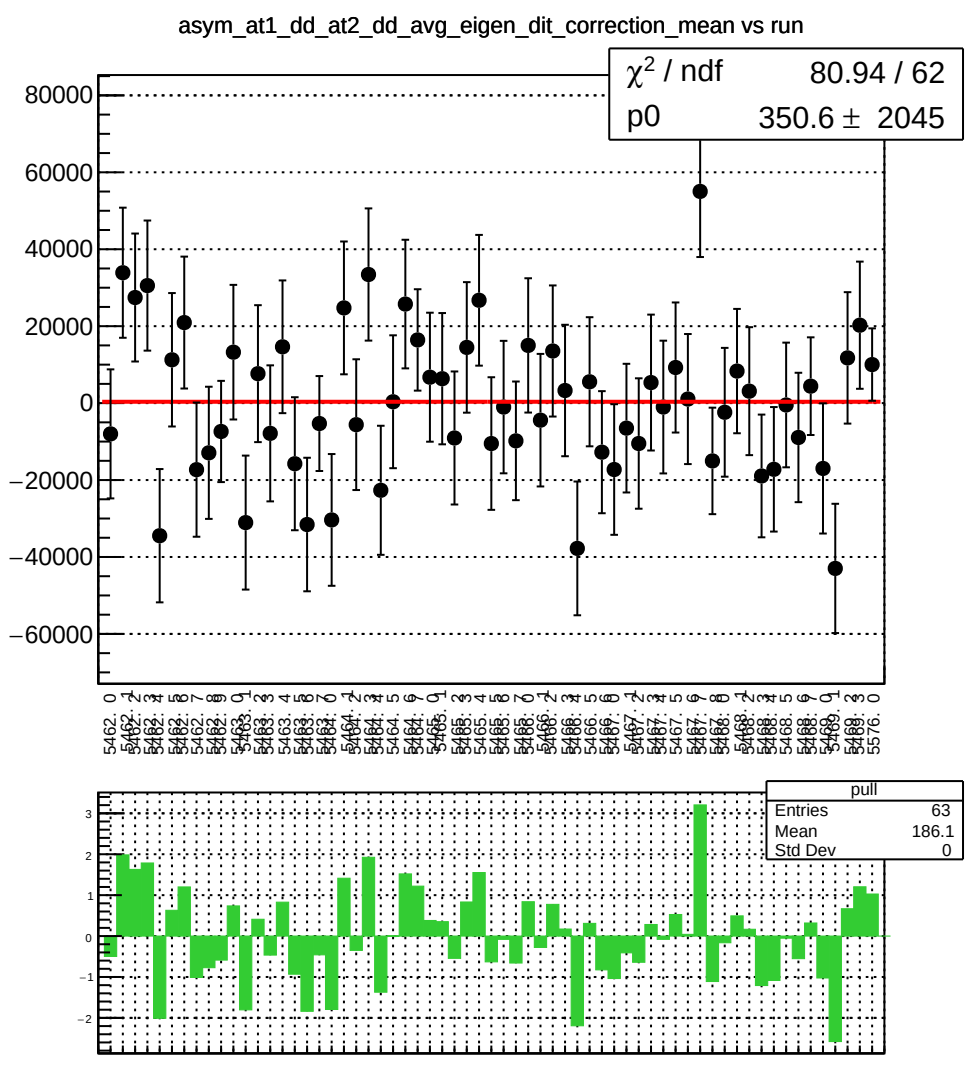

pull1D
Entries 63
Mean −0.009747
Std Dev 1.133

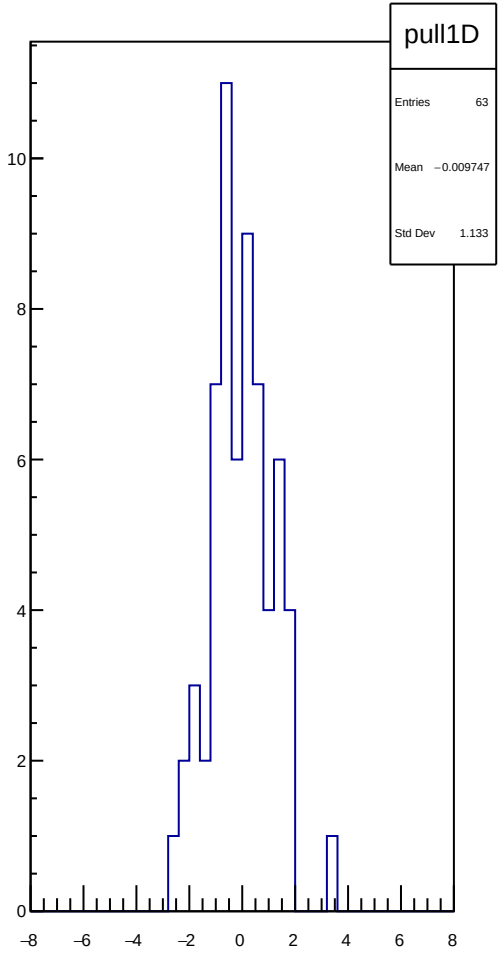

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 7727 / 62
p0 1586 ± 1.446
1700
1600
1500
1400
1300
1200
1100
1000

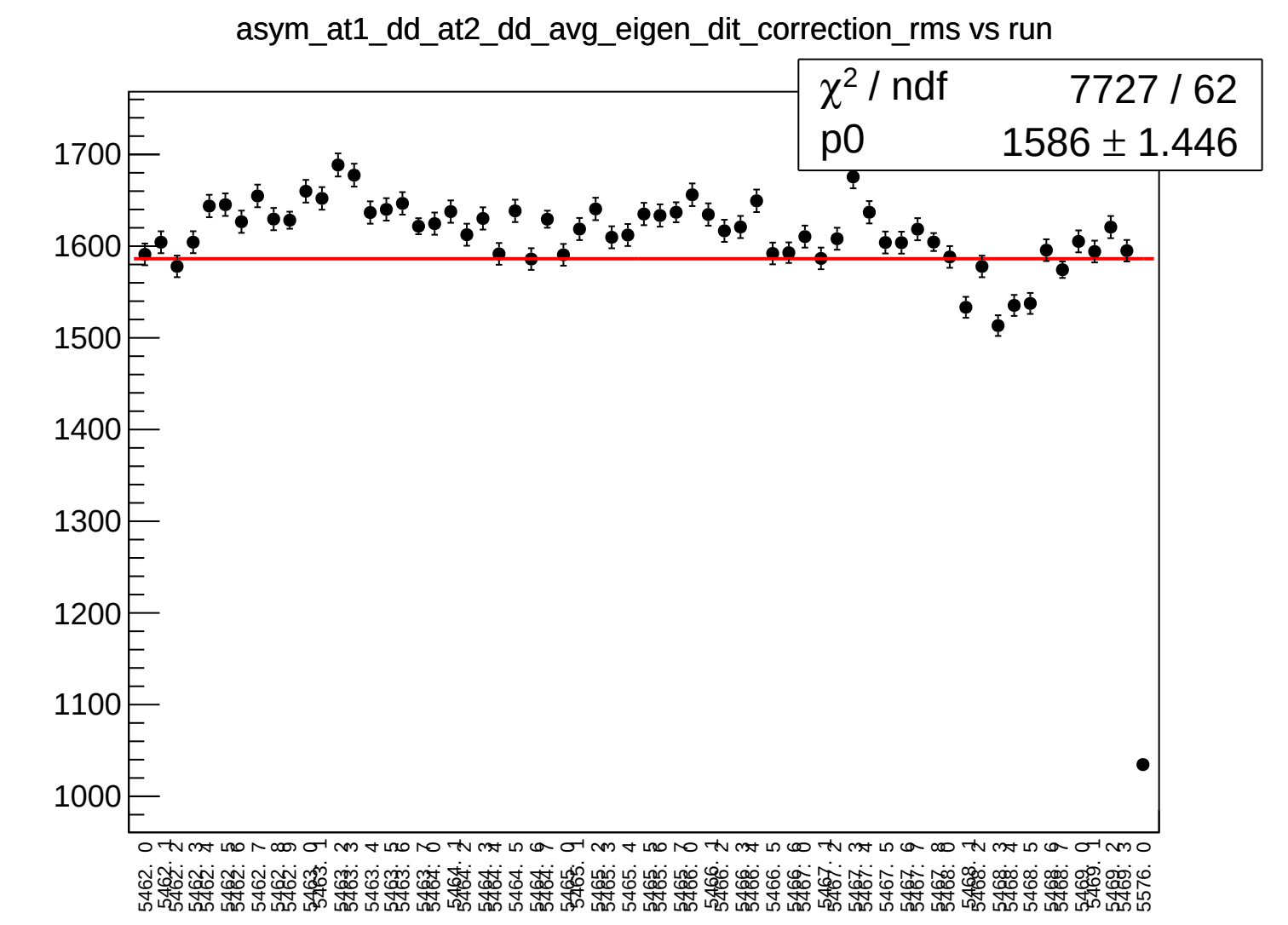

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 70.6 / 60
p0 1375 ± 1571
pull
Entries 61
Mean 48.29
Std Dev 0

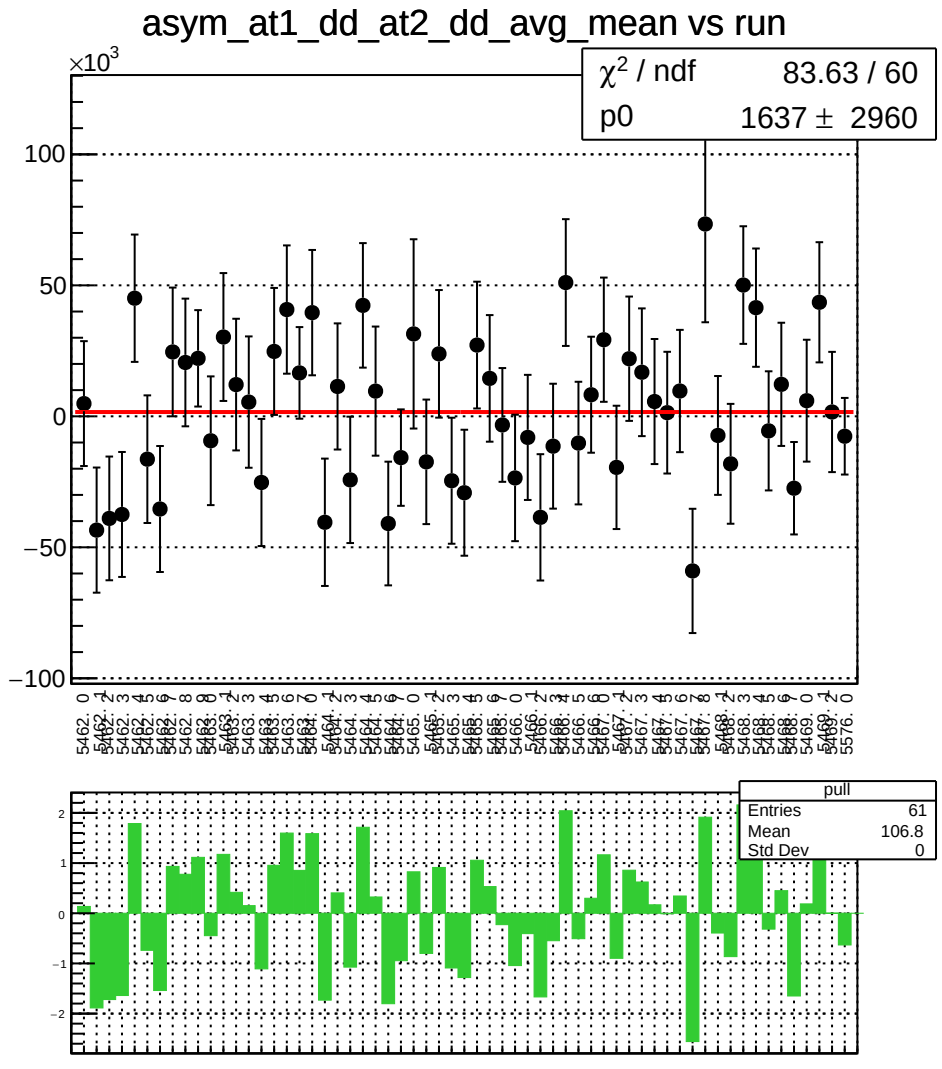

pull1D
Entries 61
Mean 0.03359
Std Dev 1.075

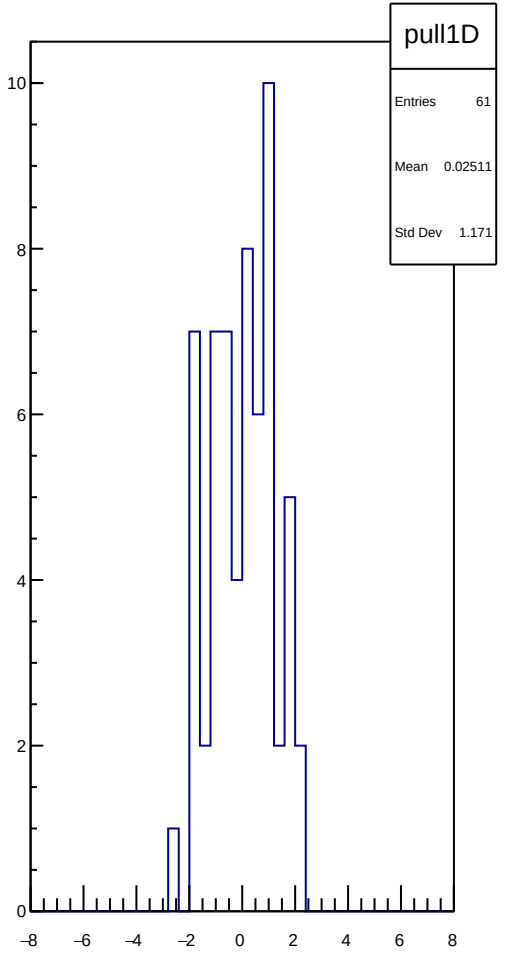

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 5.646e+04 / 62
p0 1194 ± 1.111
50000
40000
30000
20000
10000

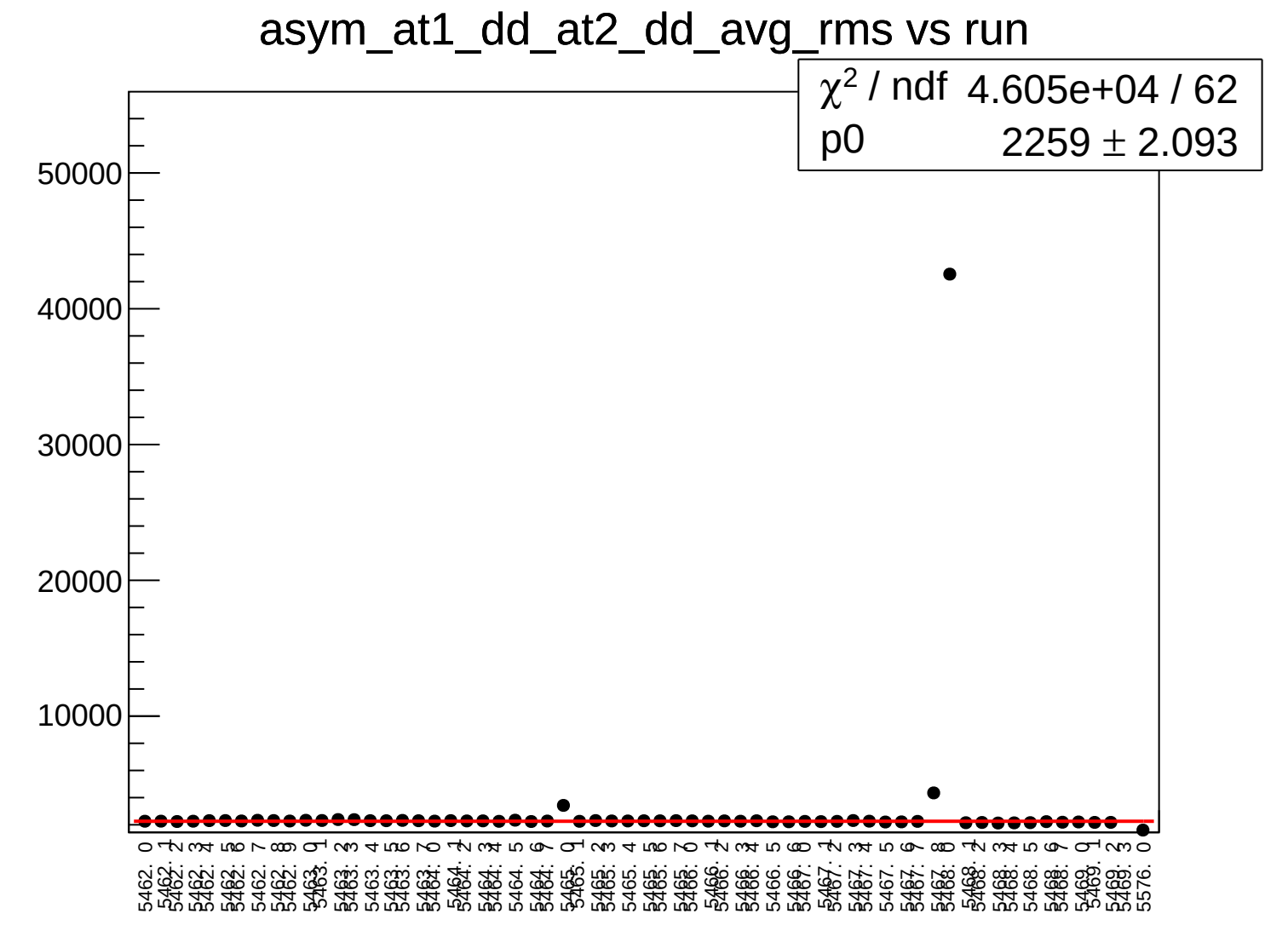

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 80.94 / 62
p0 350.6 ± 2045
pull
Entries 63
Mean 186.1
Std Dev 0

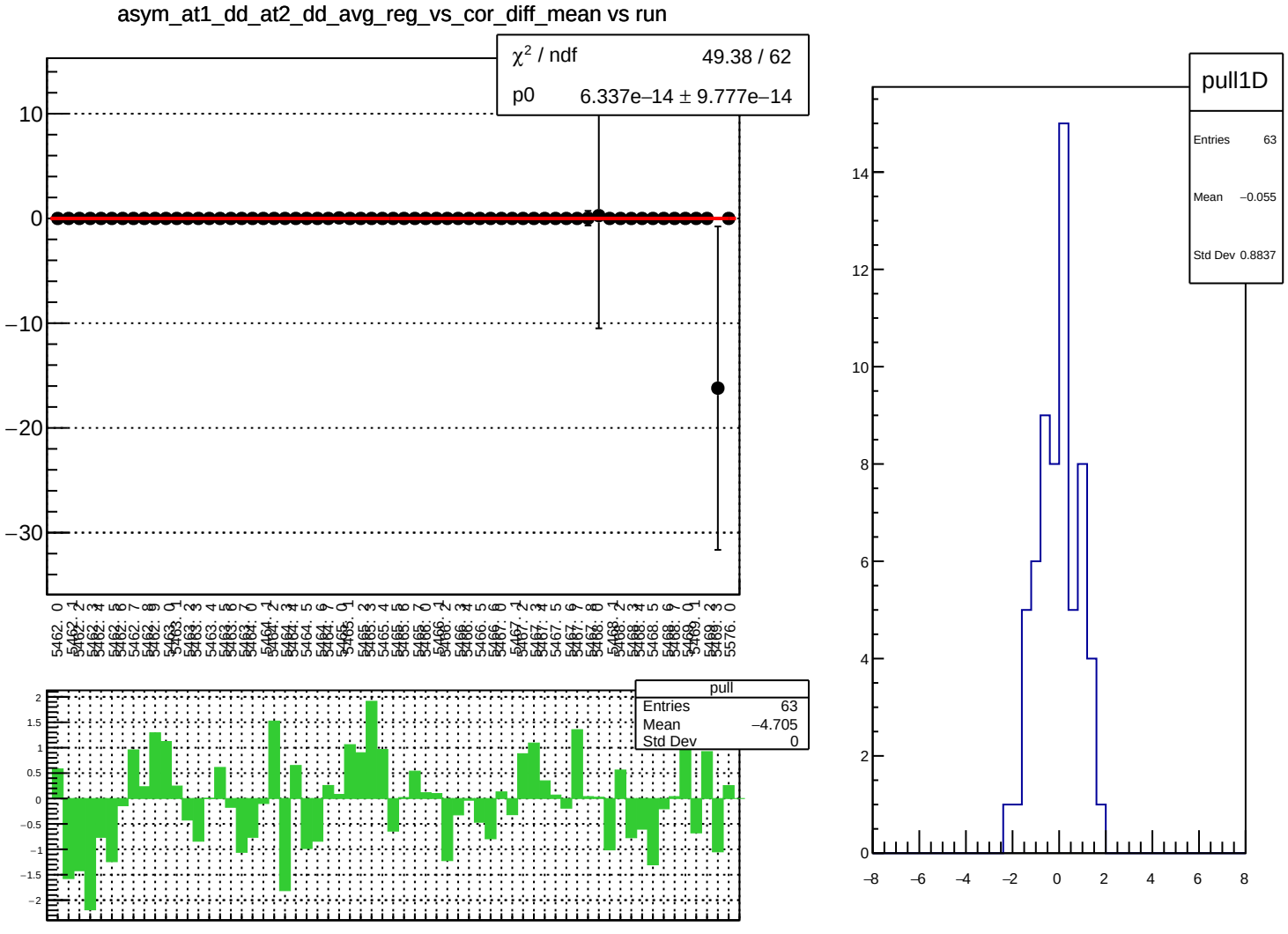

pull1D
Entries 63
Mean −0.009747
Std Dev 1.133

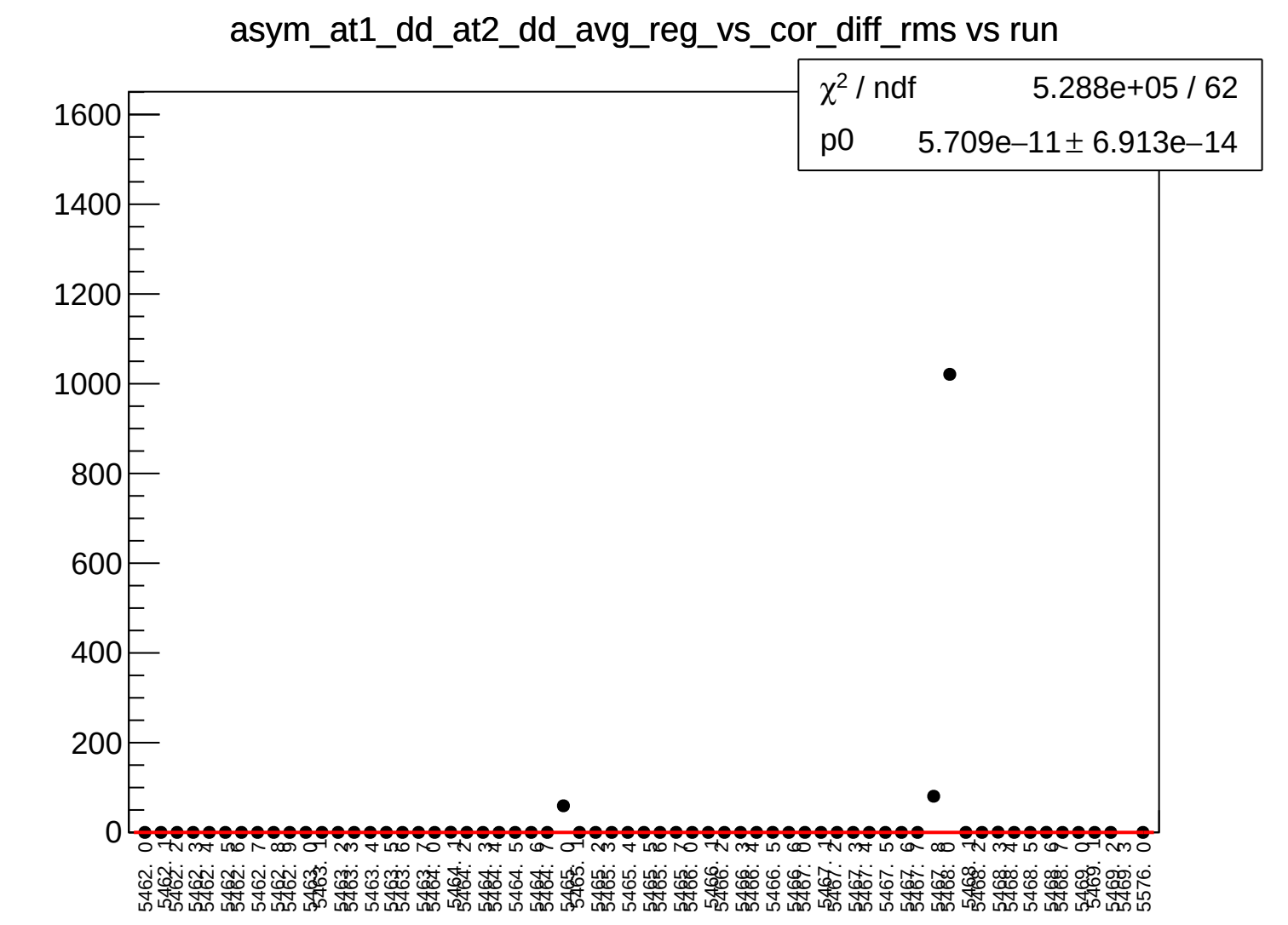

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7727 / 62
p0 1586 ± 1.446
1700
1600
1500
1400
1300
1200
1100
1000

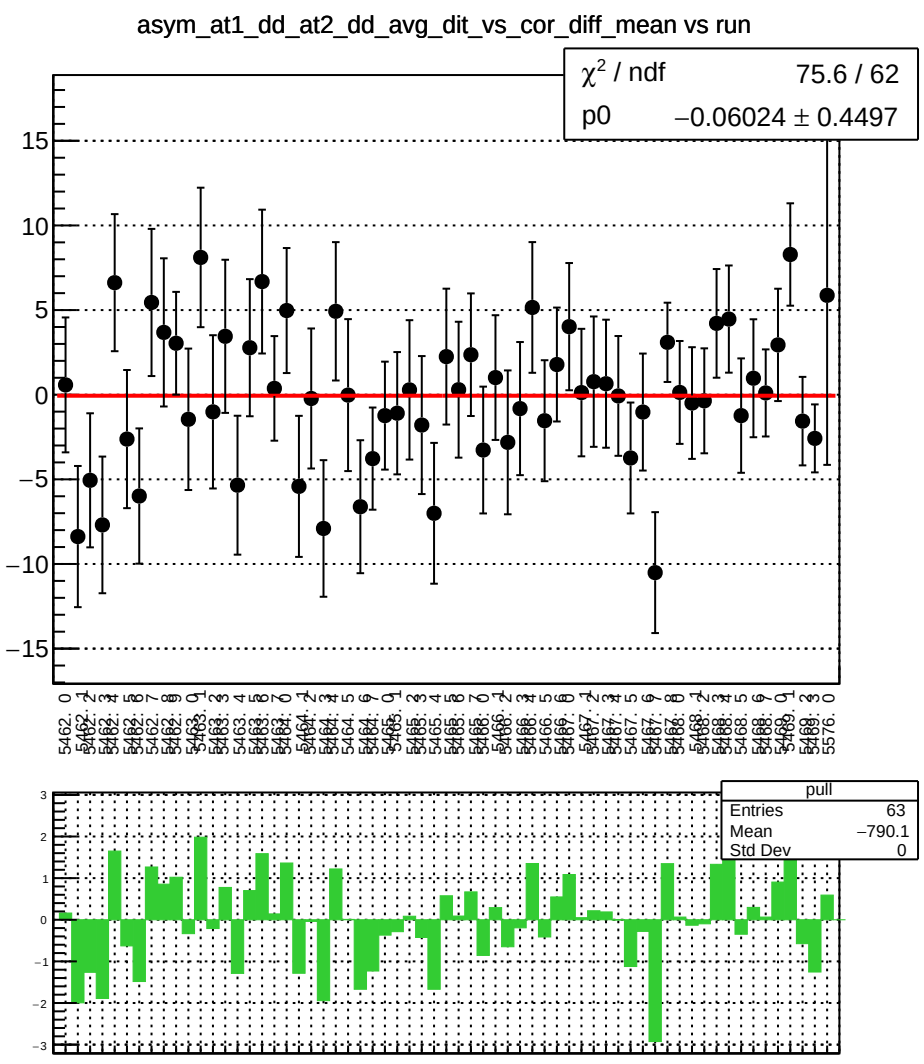

asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ^2 / ndf 83.63 / 60
p0 1637 ± 2960
100
50
0
−50
−100
pull
Entries 61
Mean 106.8
Std Dev 0
2
1
0
−1
−2

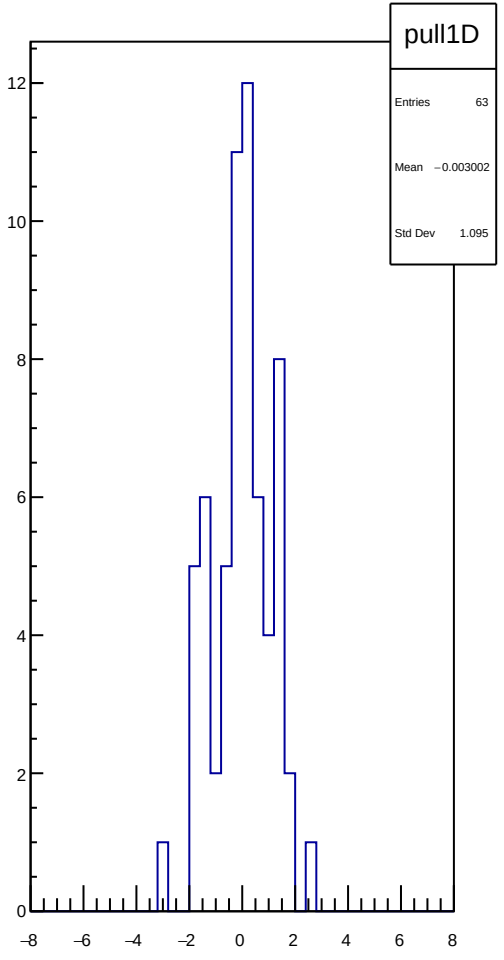

pull1D
Entries 61
Mean 0.02511
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

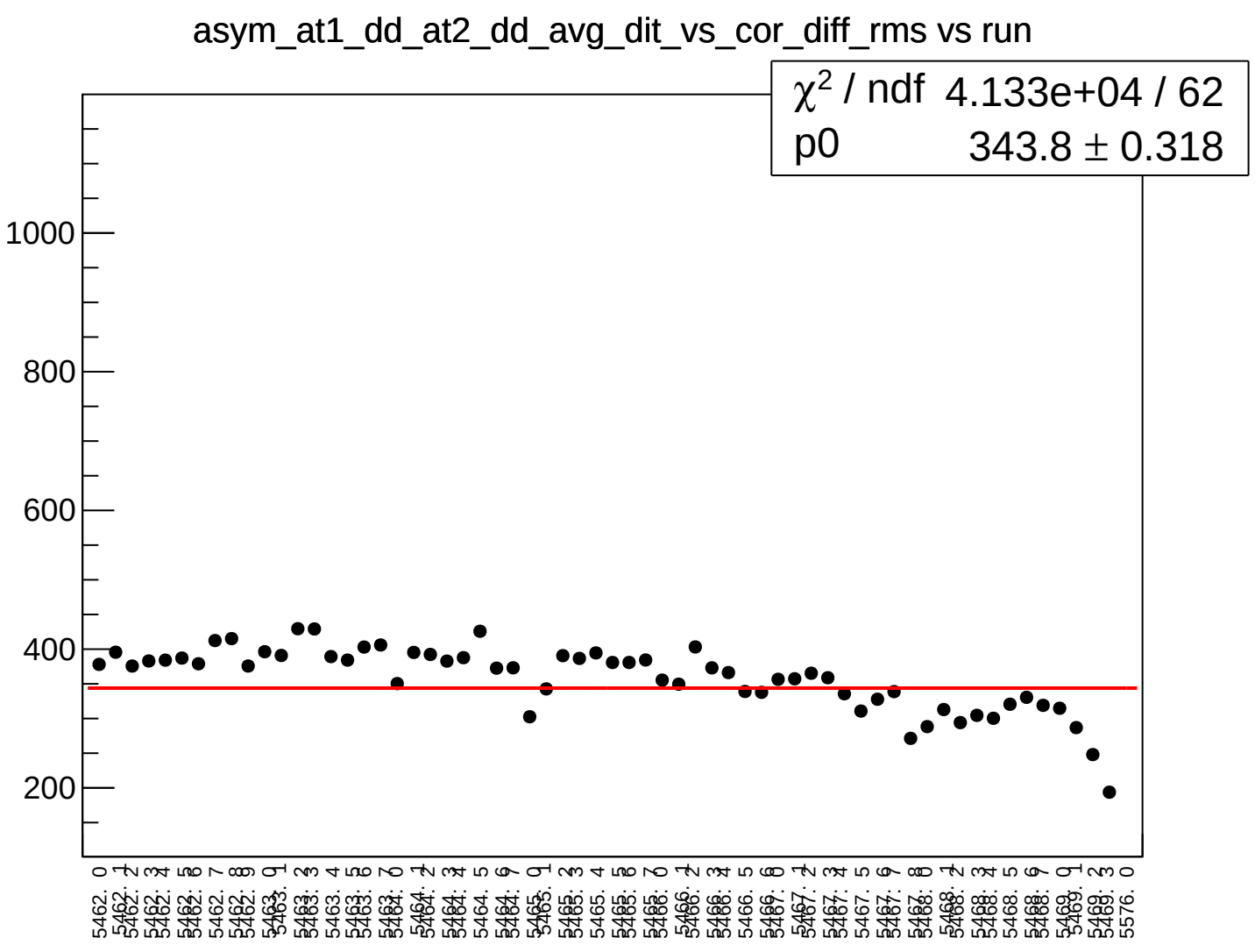

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 4.605e+04 / 62
p0 2259 ± 2.093
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

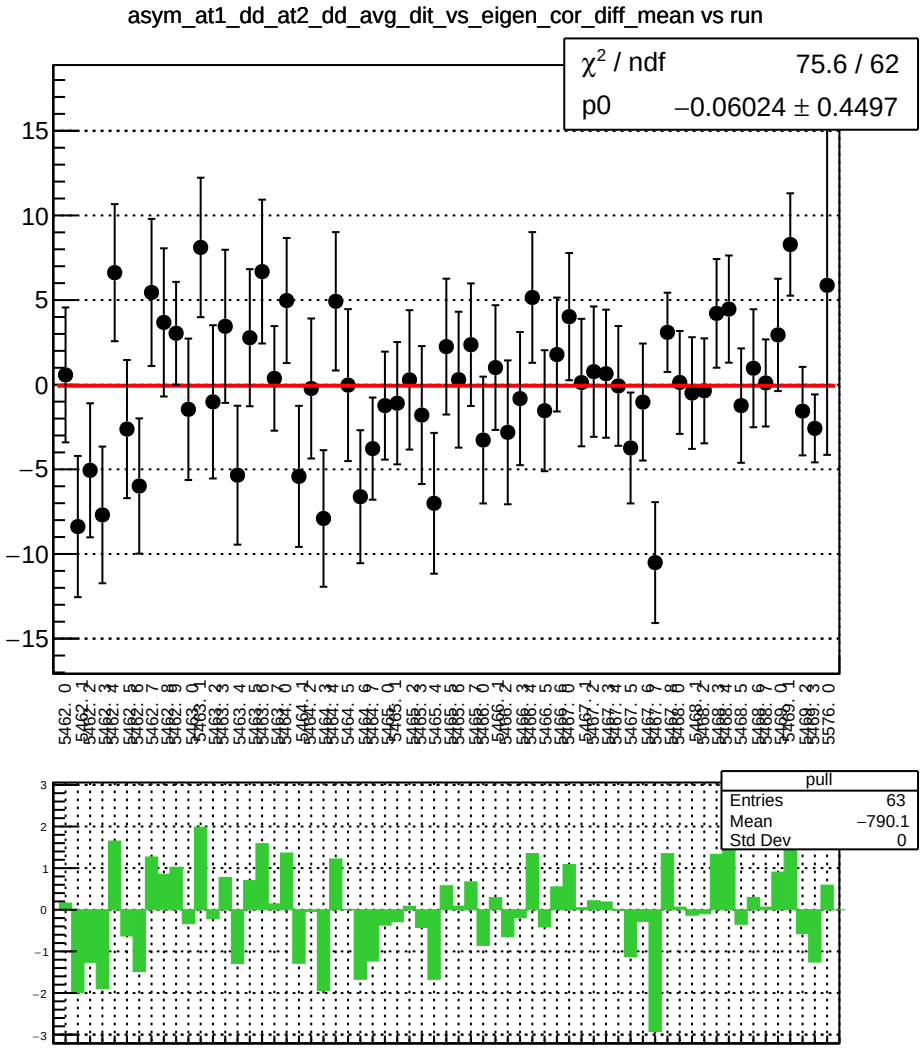

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 62
p0 6.337e−14 ± 9.777e−14
pull
Entries 63
Mean −4.705
Std Dev 0
pull1D
Entries 63
Mean −0.055
Std Dev 0.8837

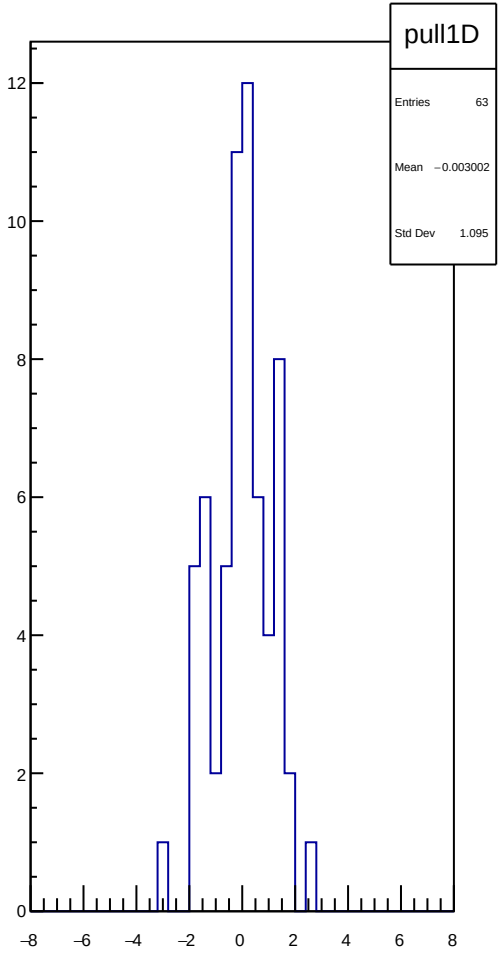

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.288e+05 / 62
p0 5.709e−11 ± 6.913e−14
1600
1400
1200
1000
800
600
400
200
0

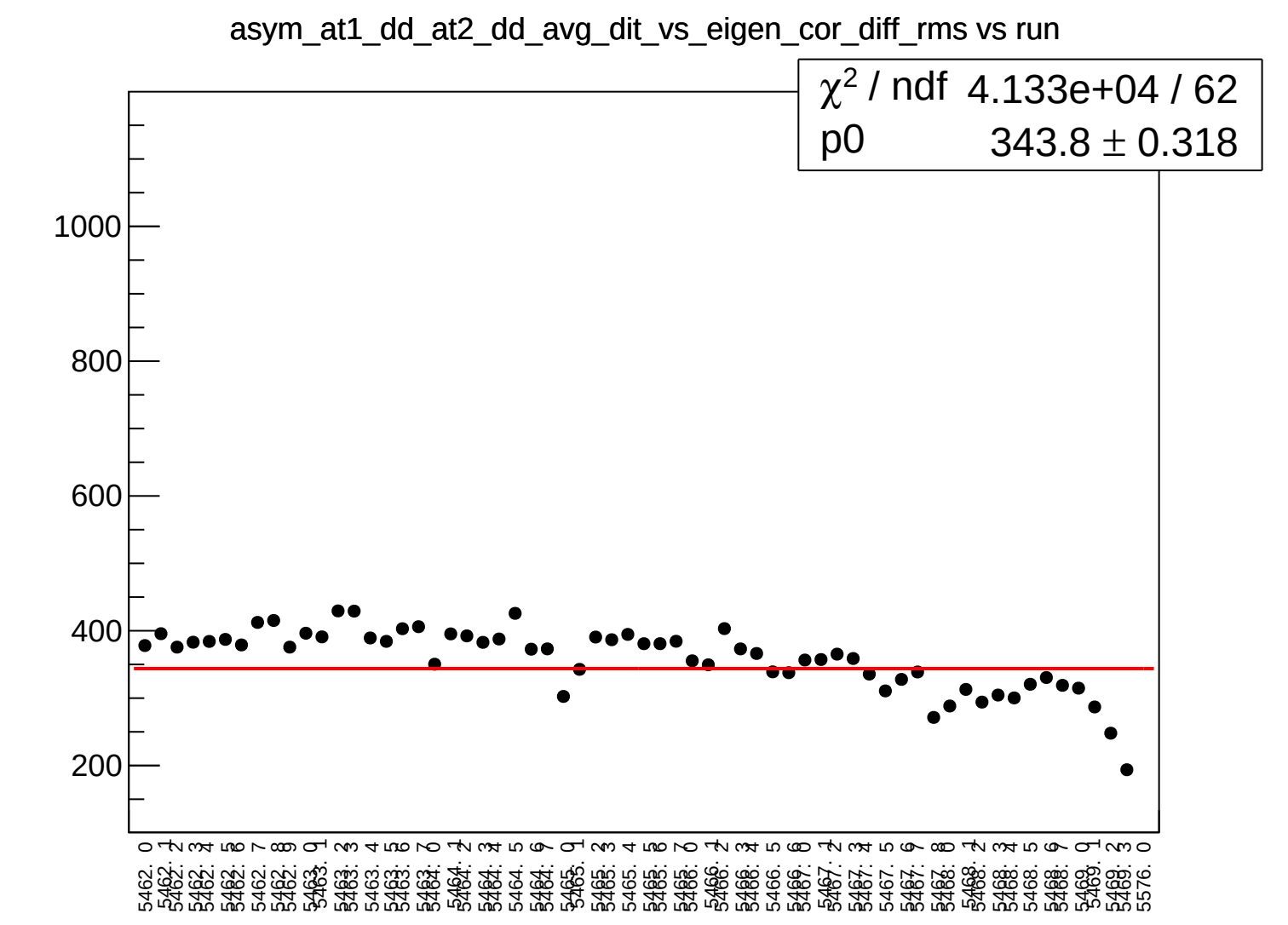

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06024 ± 0.4497
pull
Entries 63
Mean −790.1
Std Dev 0

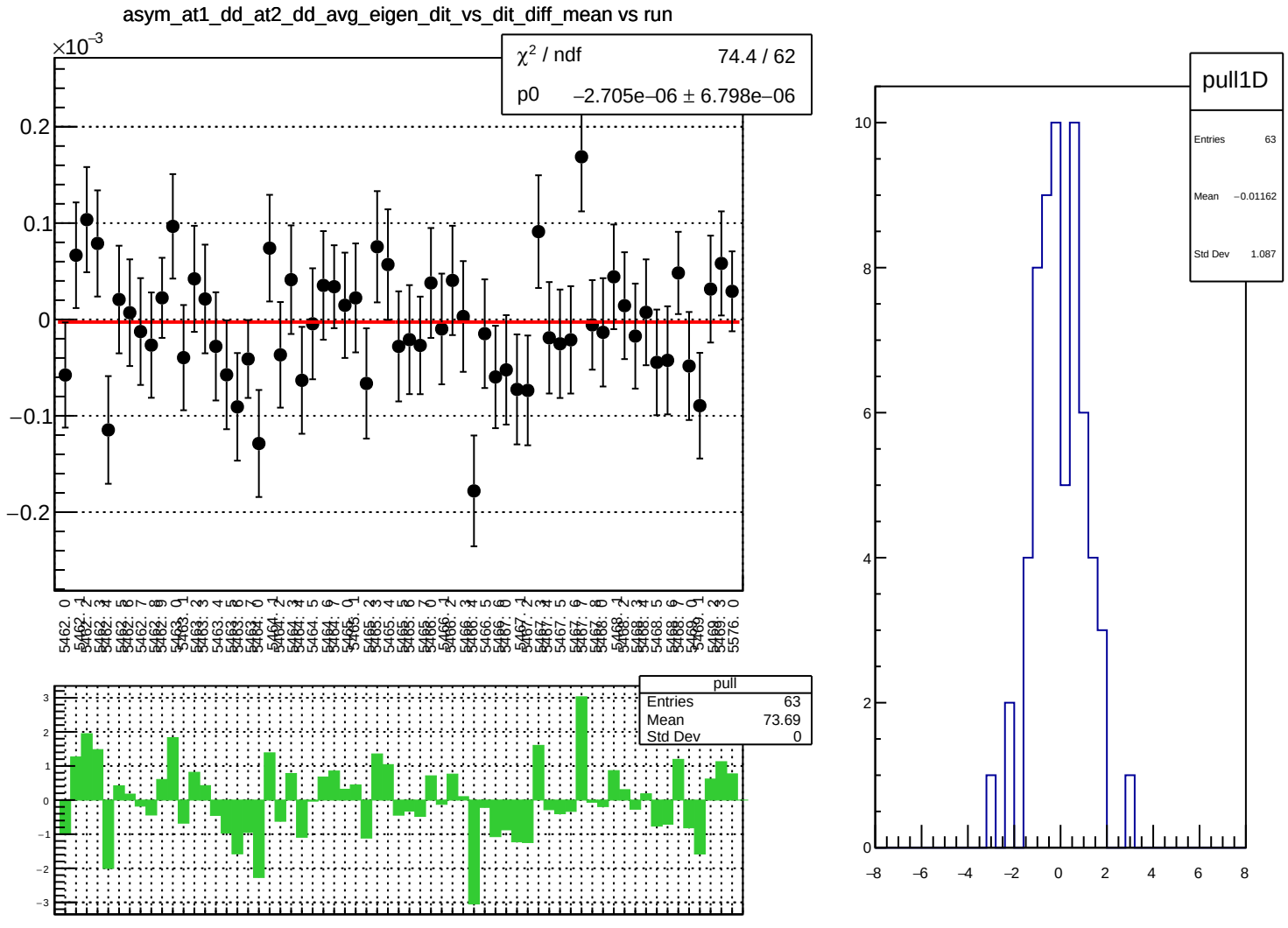

pull1D
Entries 63
Mean −0.003002
Std Dev 1.095

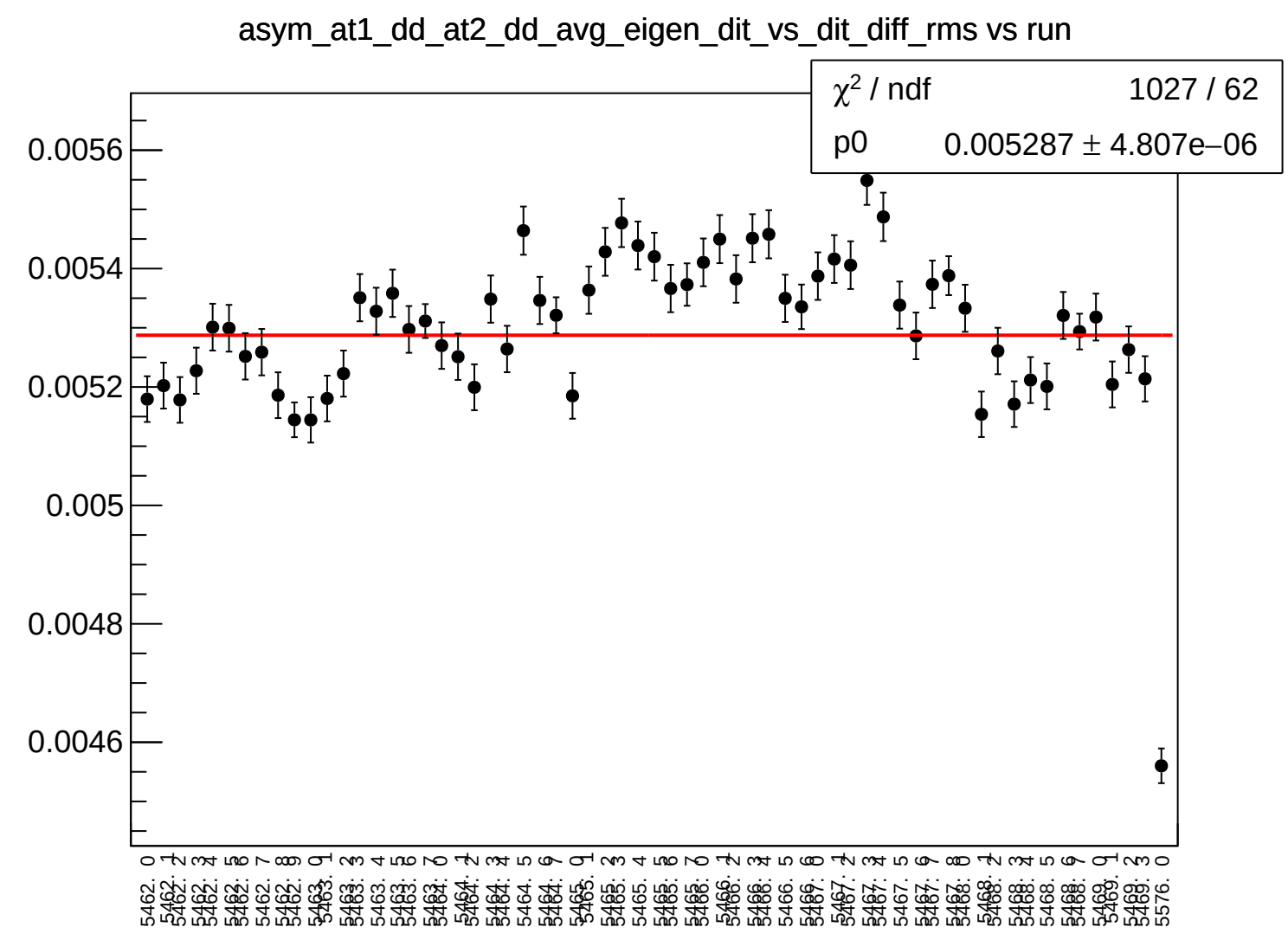

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

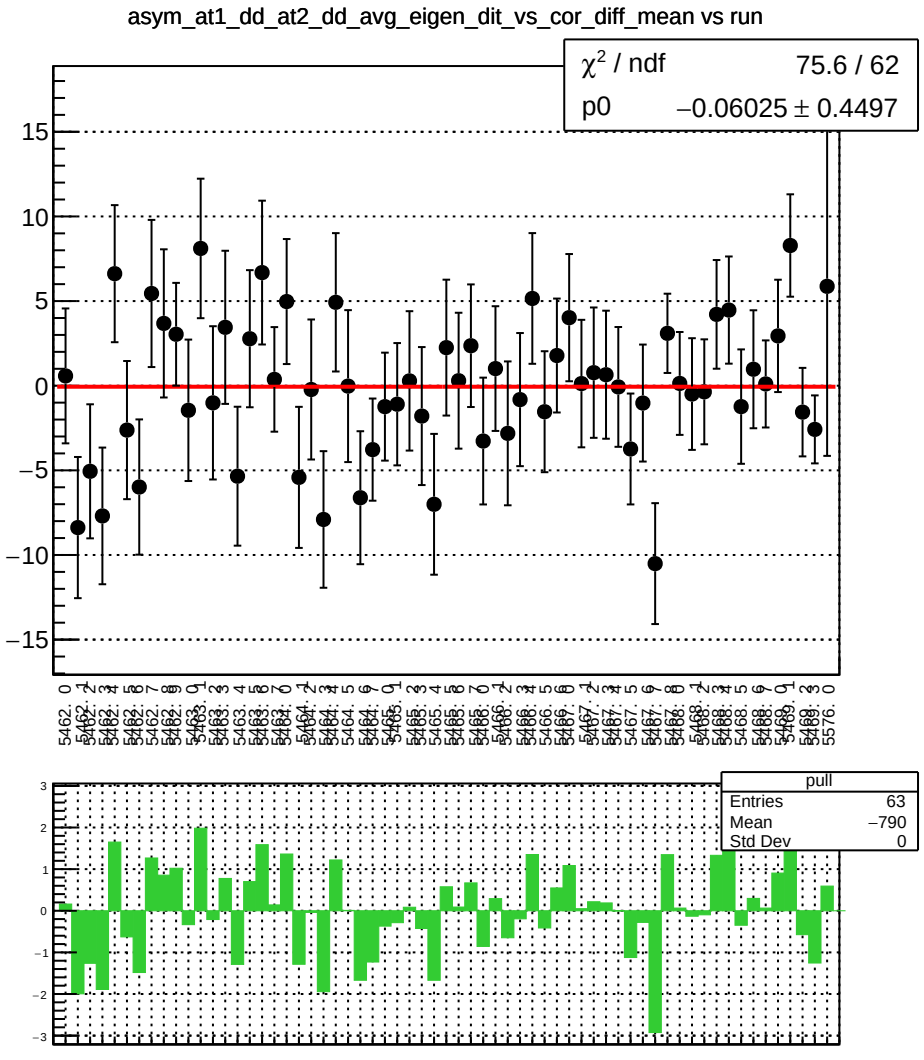

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06024 ± 0.4497
pull
Entries 63
Mean −790.1
Std Dev 0

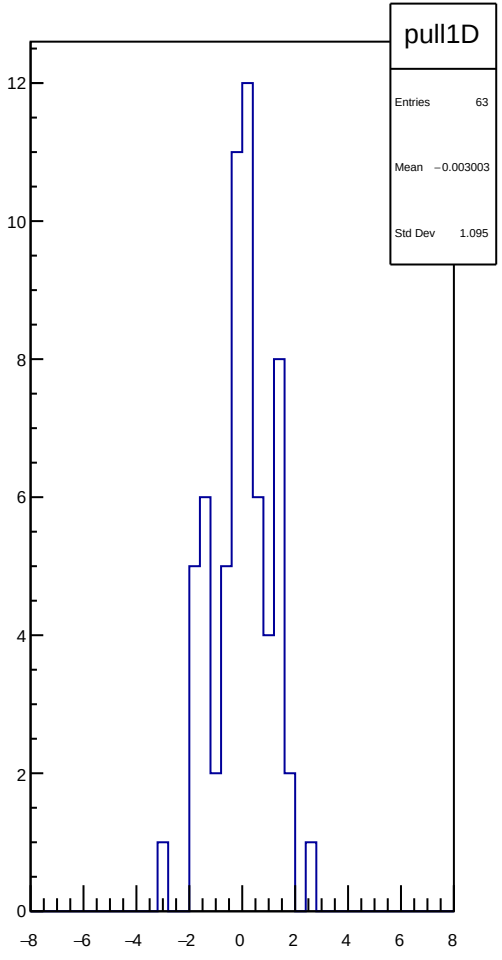

pull1D
Entries 63
Mean −0.003002
Std Dev 1.095

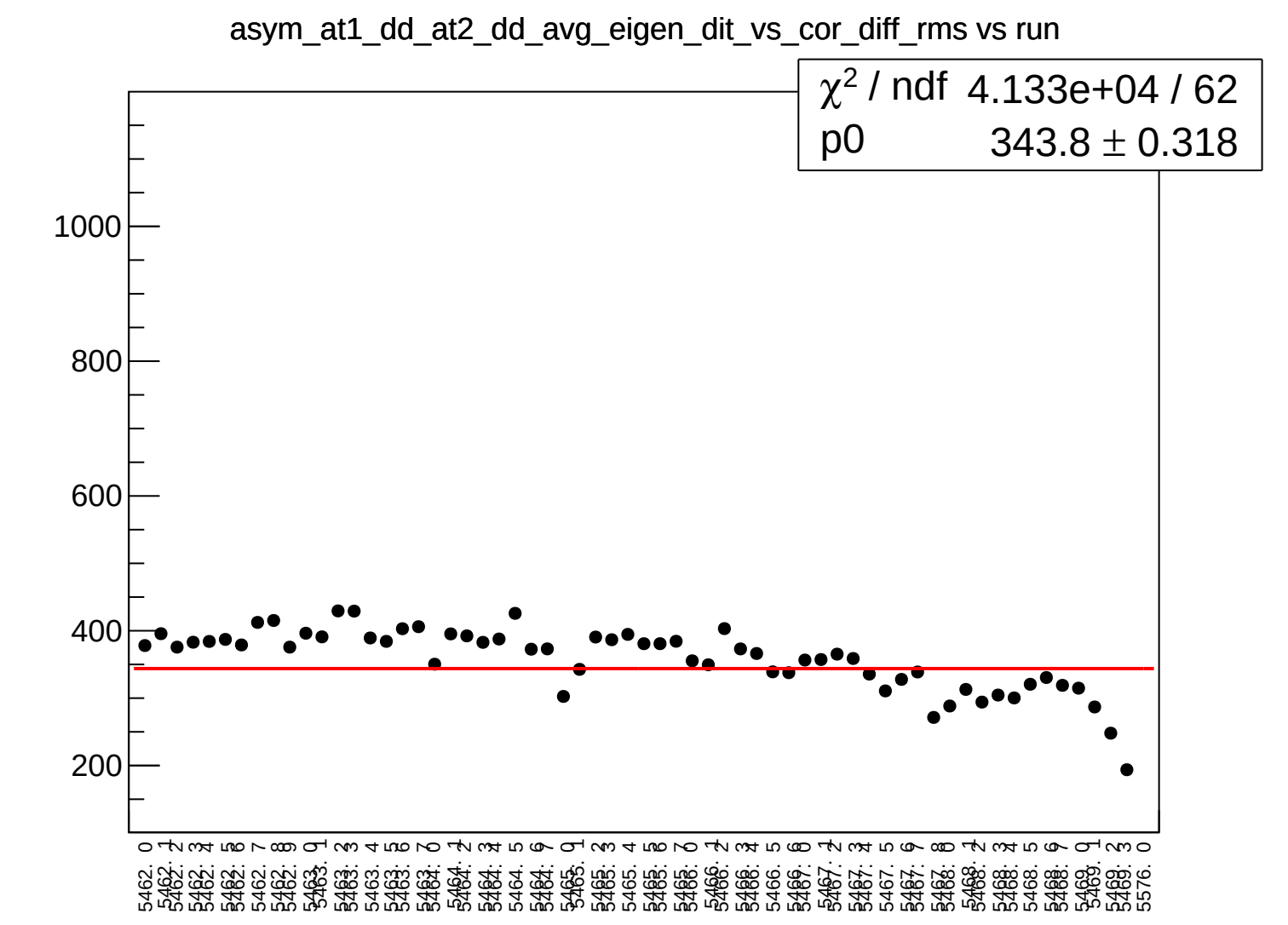

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

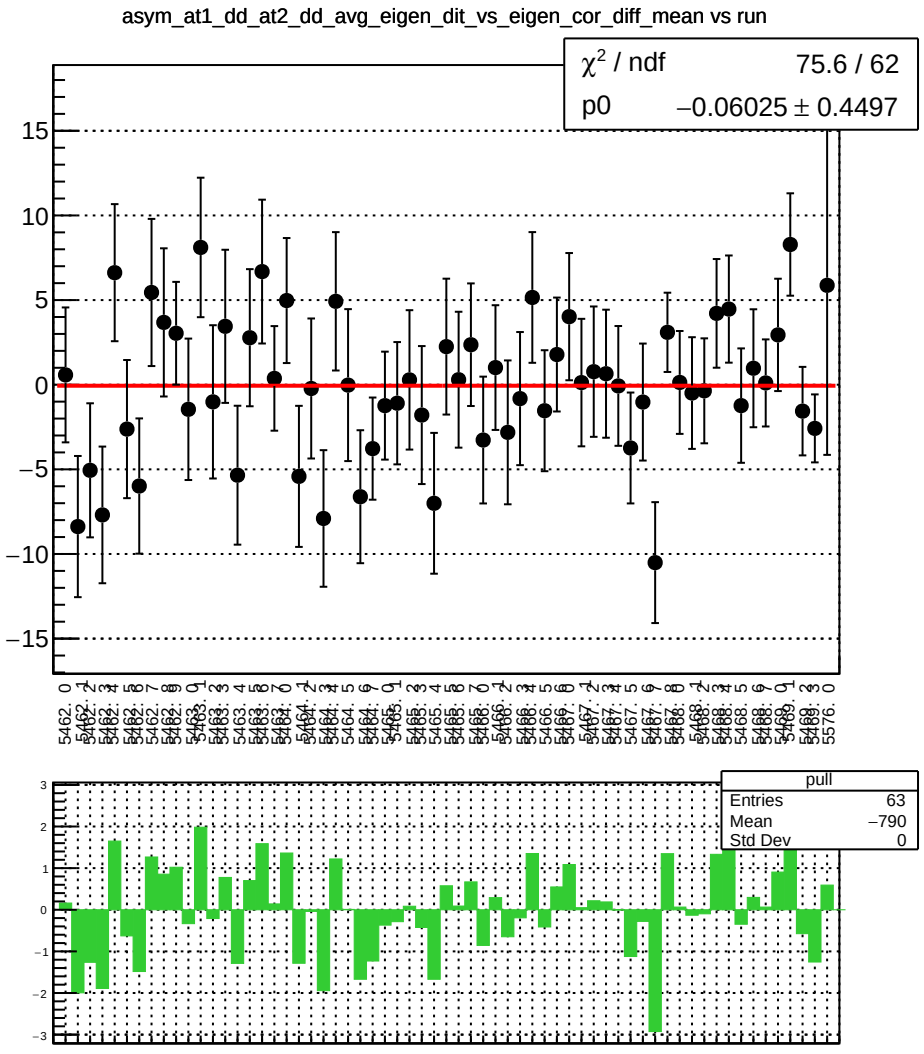

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 74.4 / 62
p0 −2.705e−06 ± 6.798e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 63
Mean 73.69
Std Dev 0
pull1D
Entries 63
Mean −0.01162
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

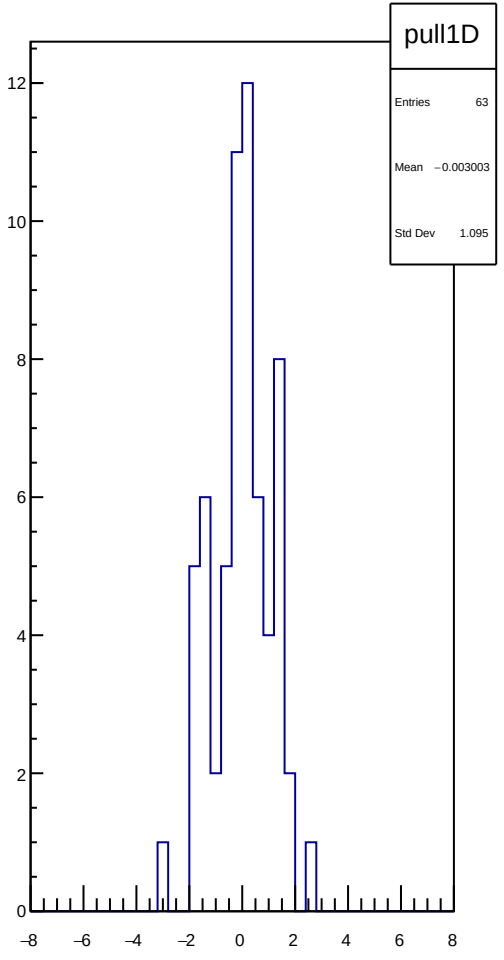

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1027 / 62
p0 0.005287 ± 4.807e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

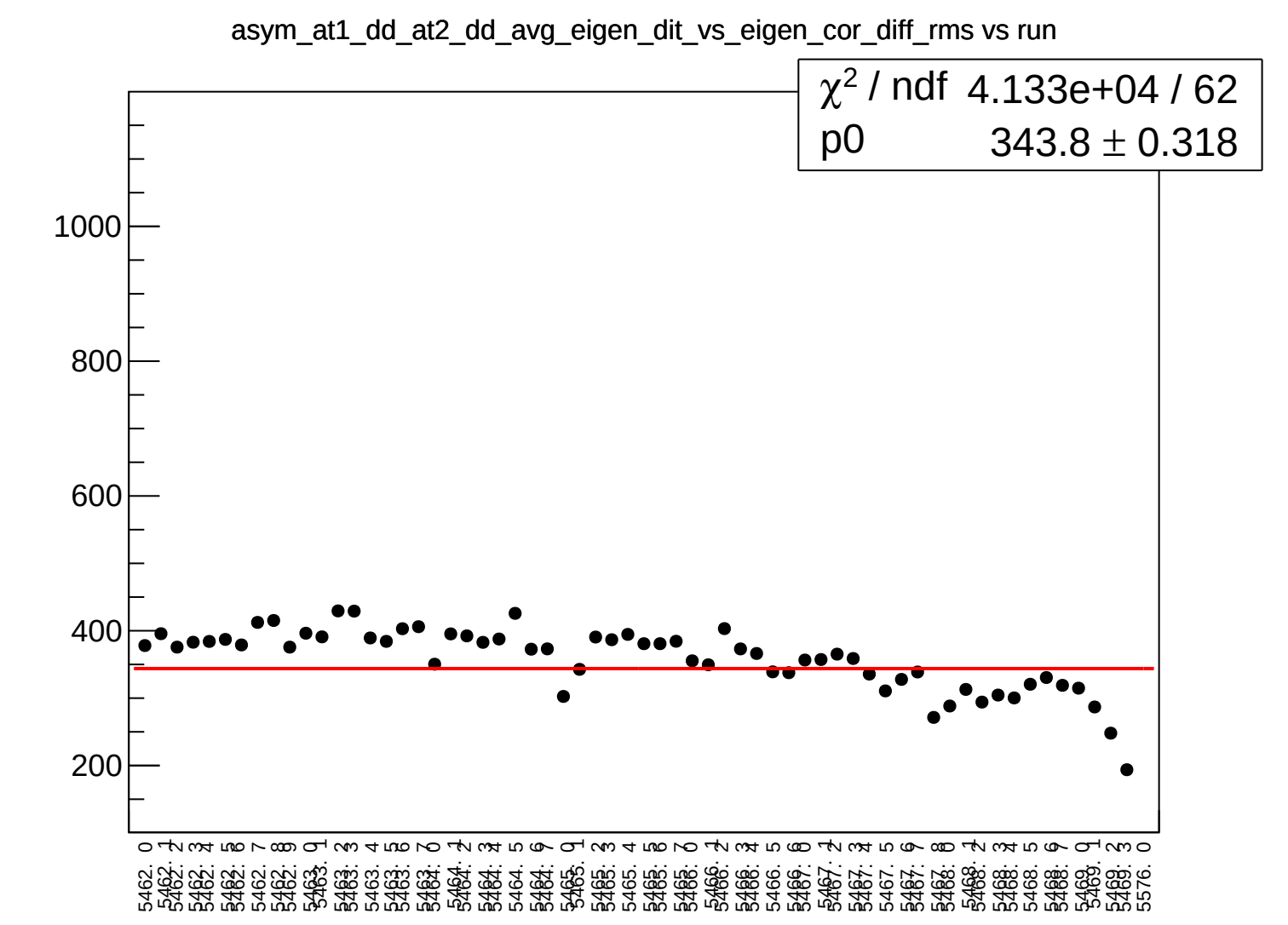

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06025 ± 0.4497
pull
Entries 63
Mean −790
Std Dev 0

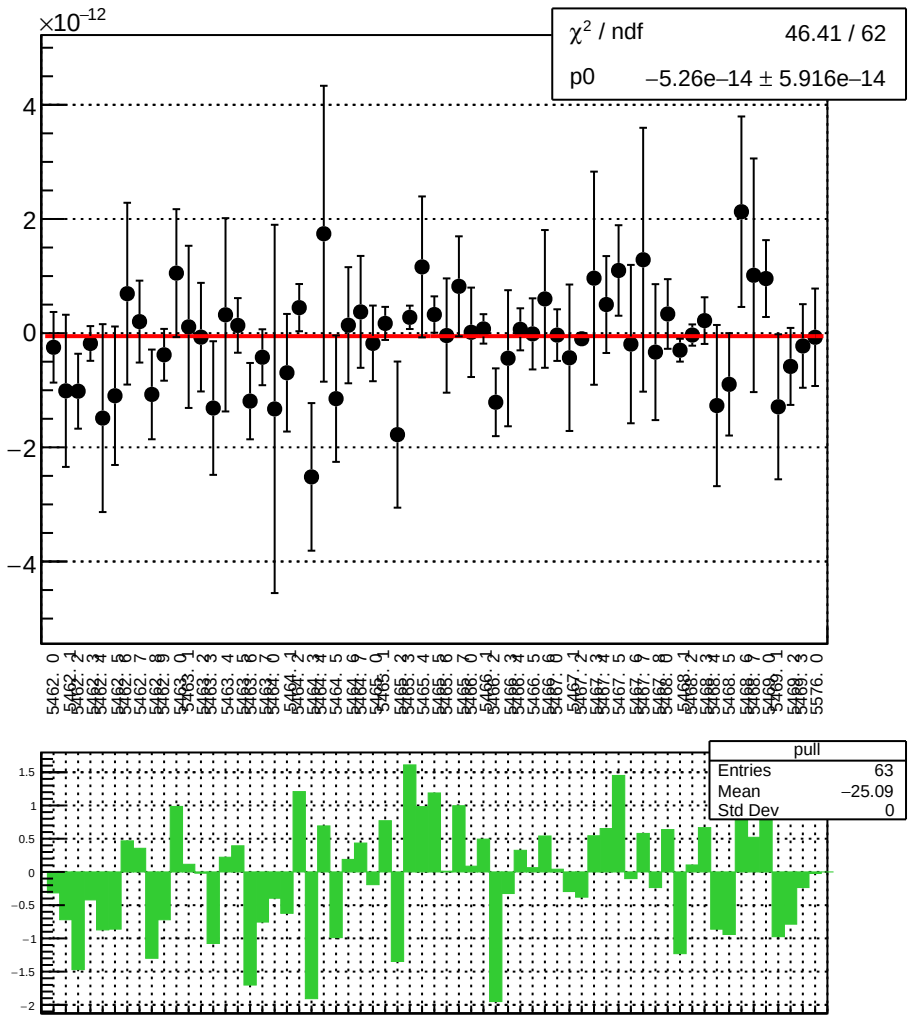

pull1D
Entries 63
Mean −0.003003
Std Dev 1.095

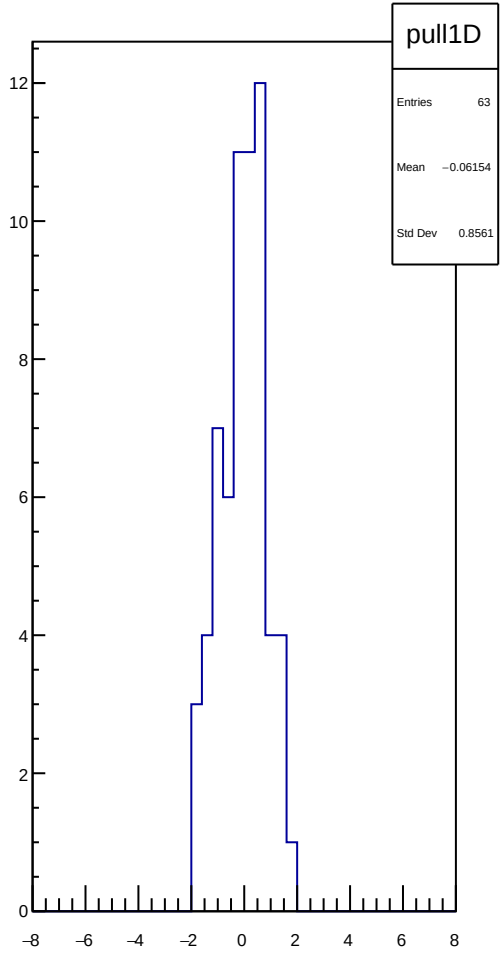

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

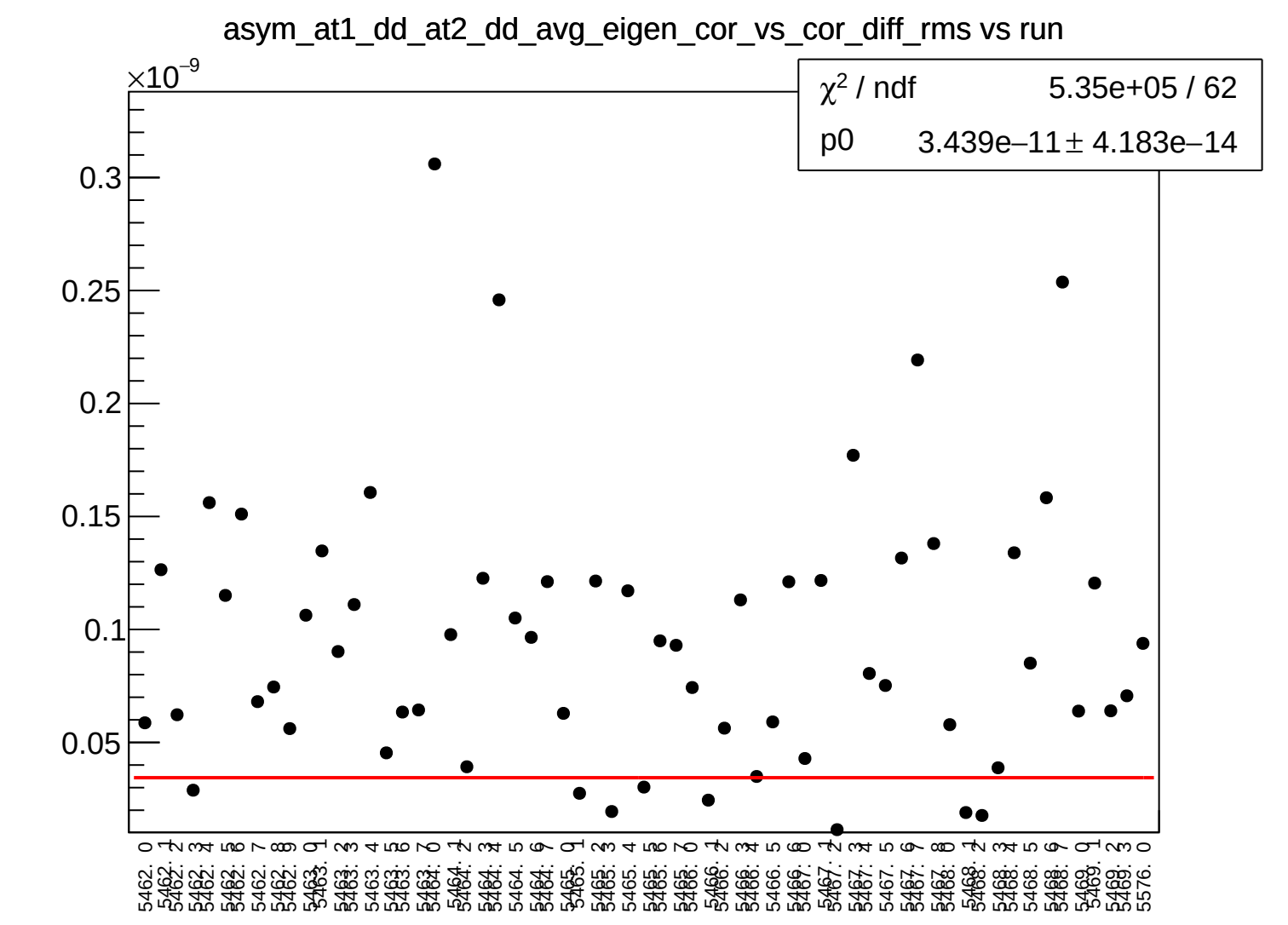

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.6 / 62
p0 −0.06025 ± 0.4497
pull
Entries 63
Mean −790
Std Dev 0

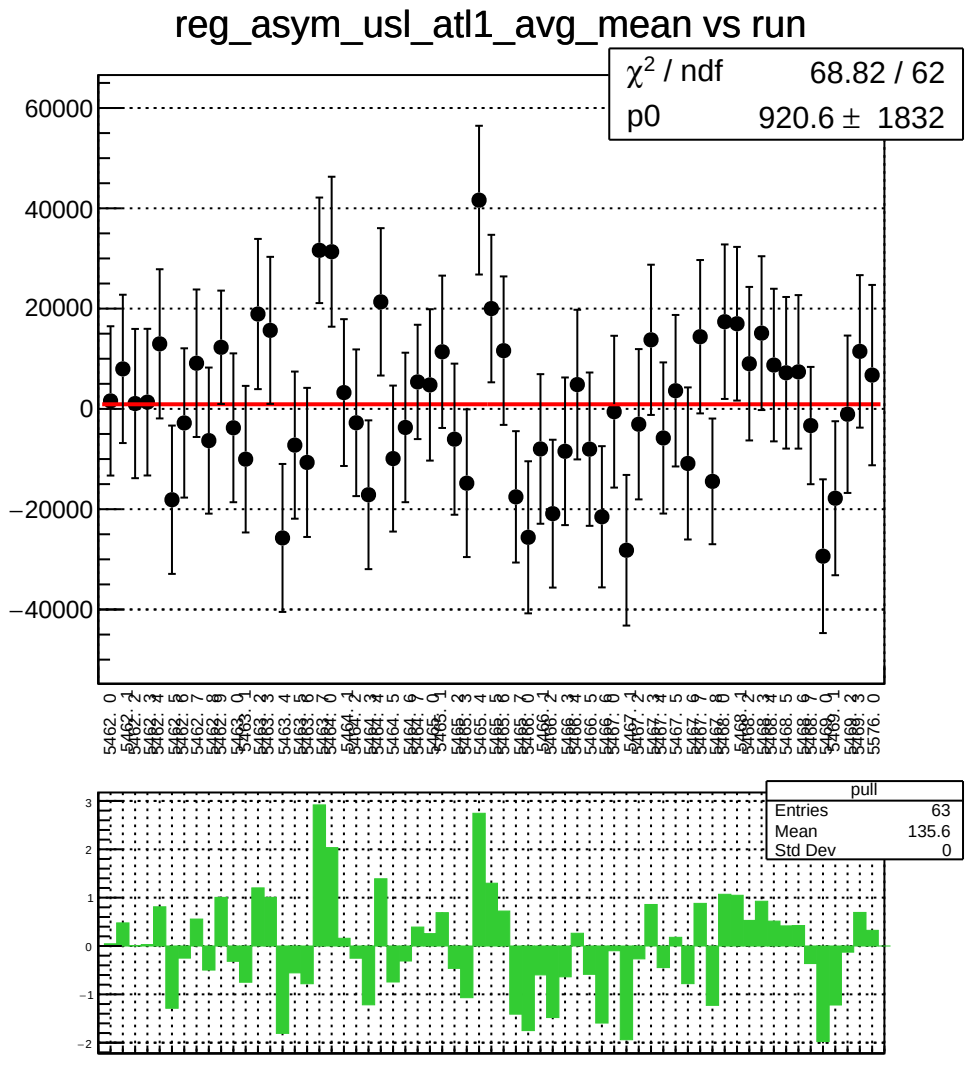

pull1D
Entries 63
Mean −0.003003
Std Dev 1.095

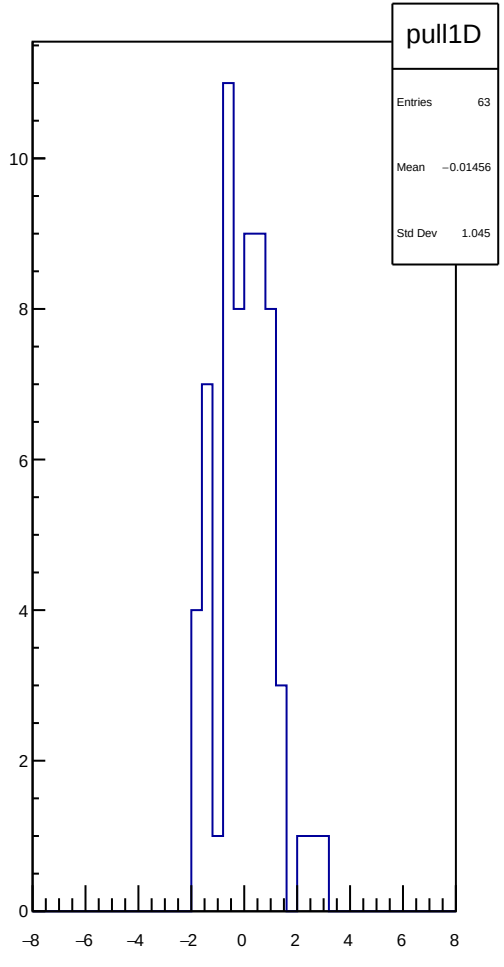

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.133e+04 / 62
p0 343.8 ± 0.318
1000
800
600
400
200

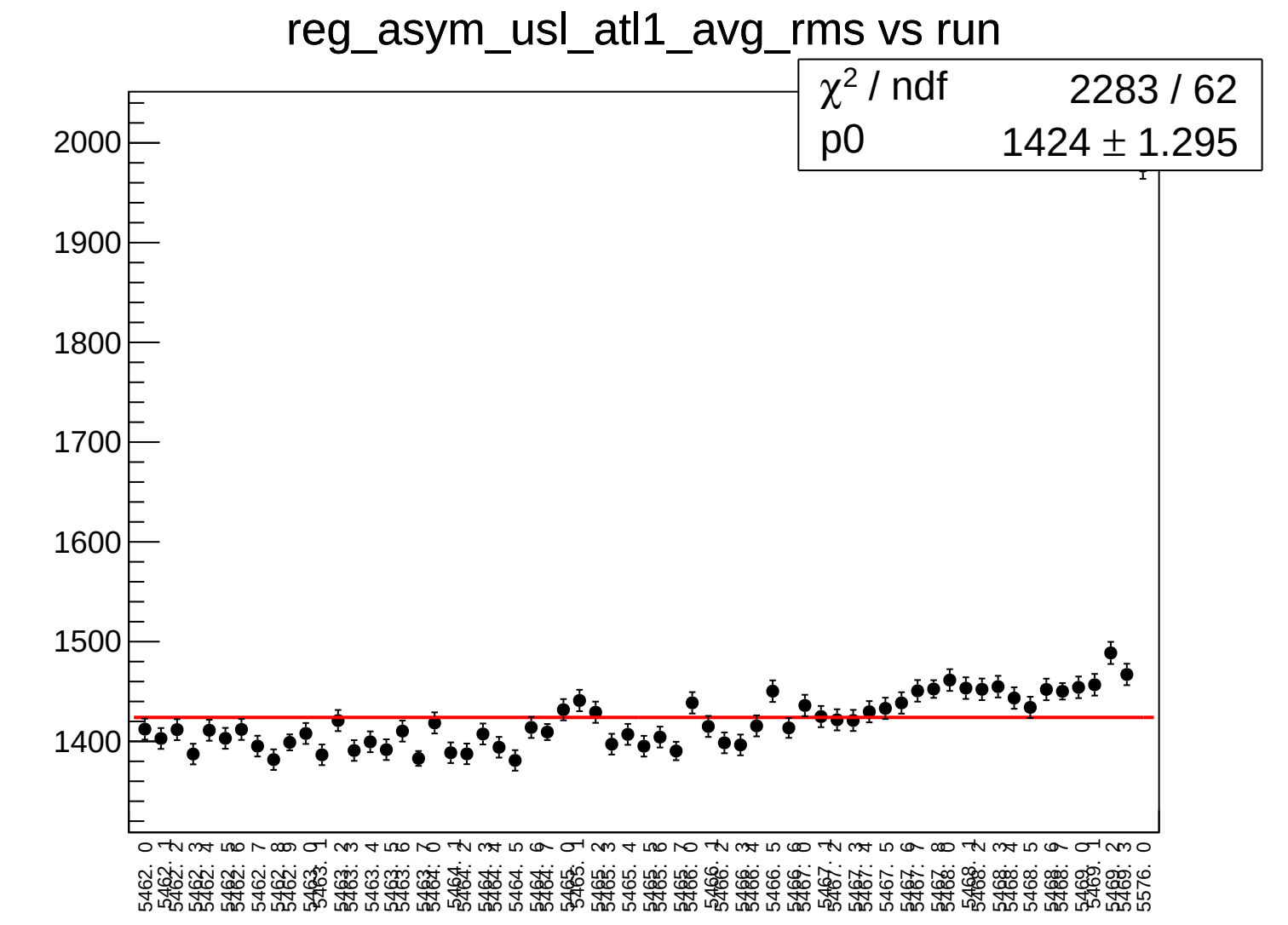

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.41 / 62
p0 −5.26e−14 ± 5.916e−14
pull
Entries 63
Mean −25.09
Std Dev 0

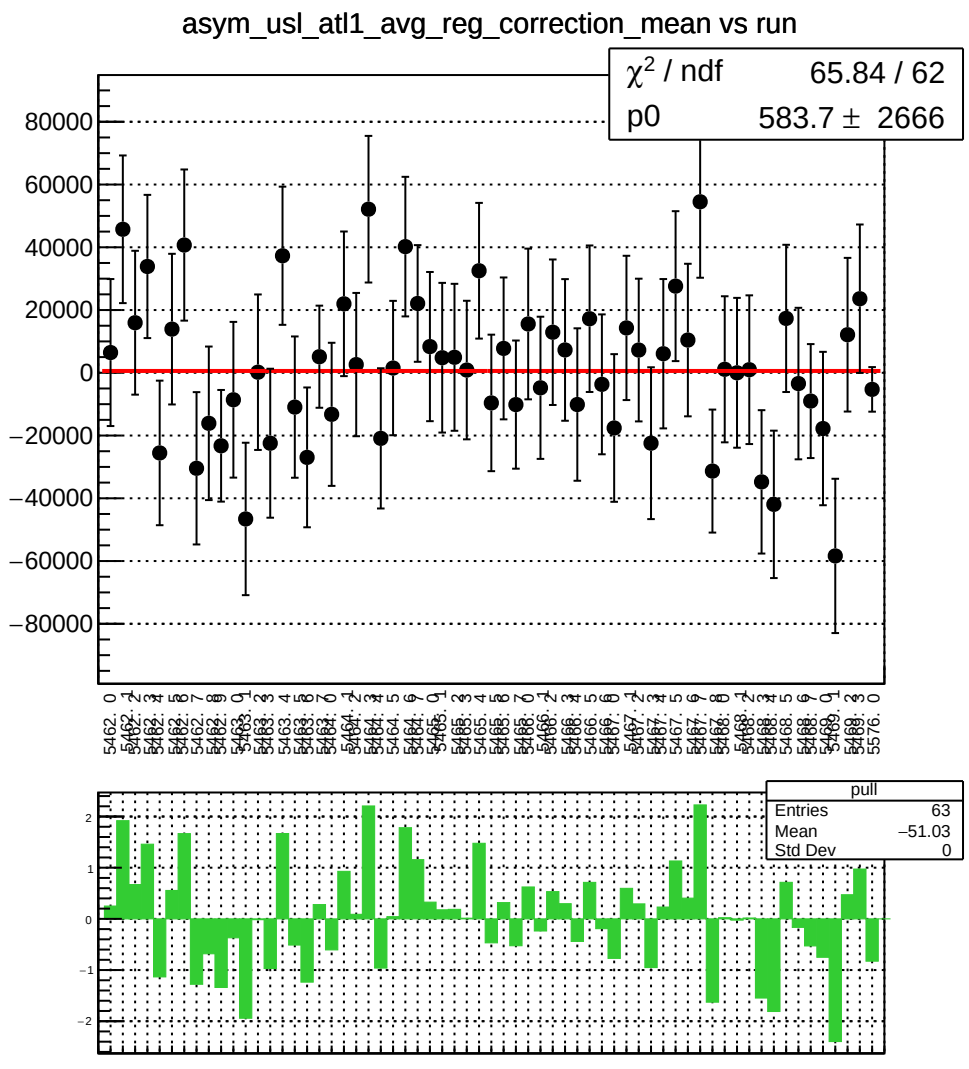

pull1D
Entries 63
Mean −0.06154
Std Dev 0.8561

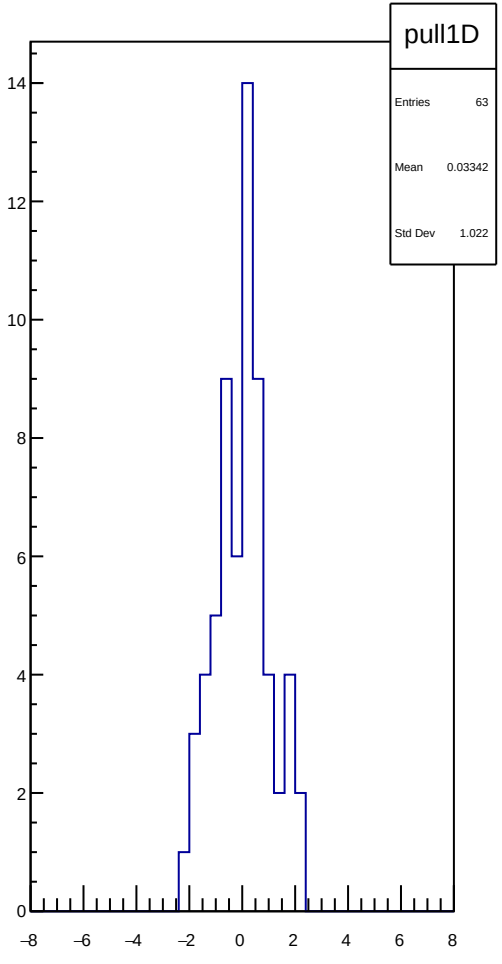

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.35e+05 / 62
p0 3.439e−11 ± 4.183e−14
0.3
0.25
0.2
0.15
0.1
0.05

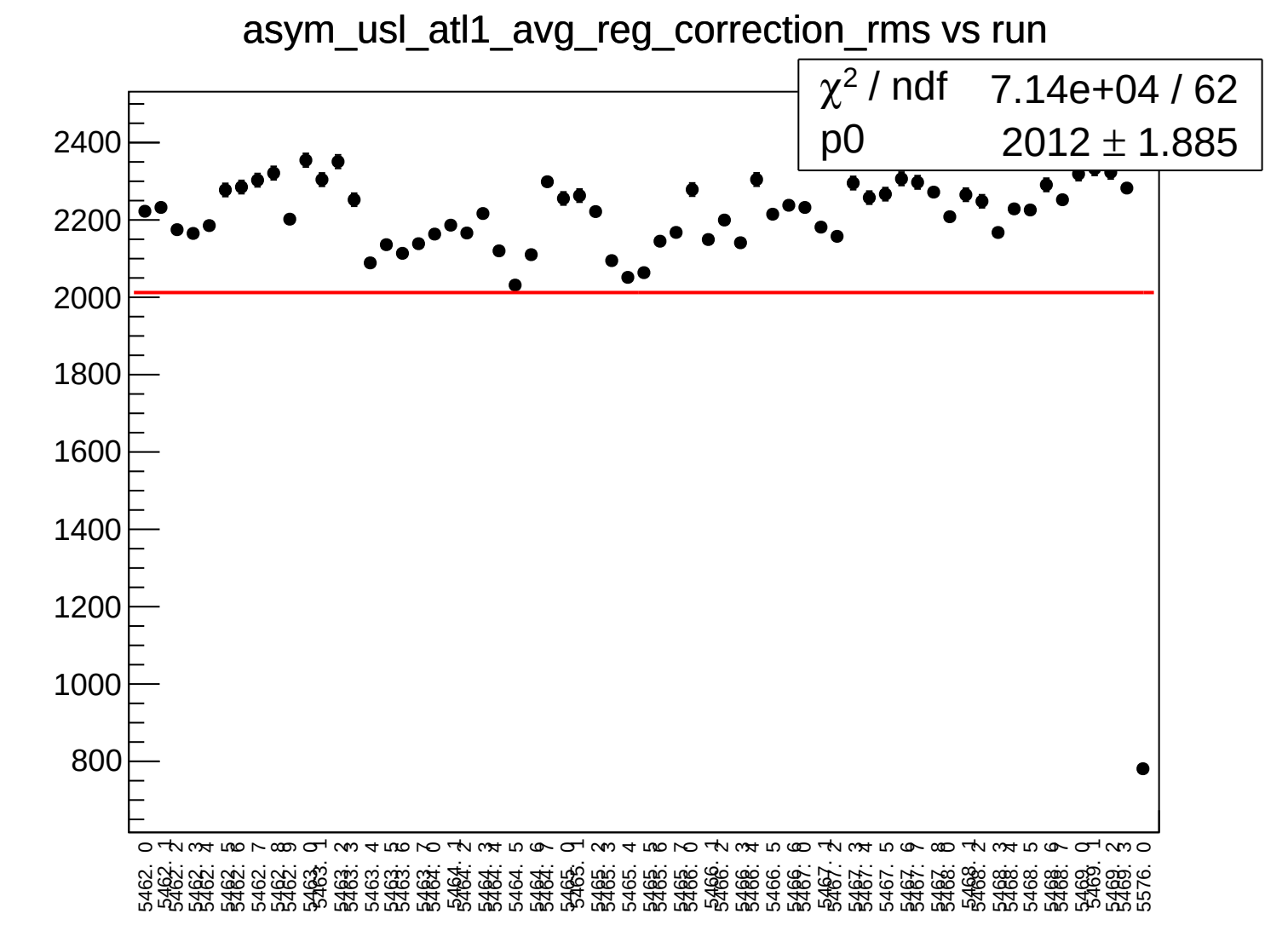

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 68.82 / 62
p0 920.6 ± 1832
pull
Entries 63
Mean 135.6
Std Dev 0

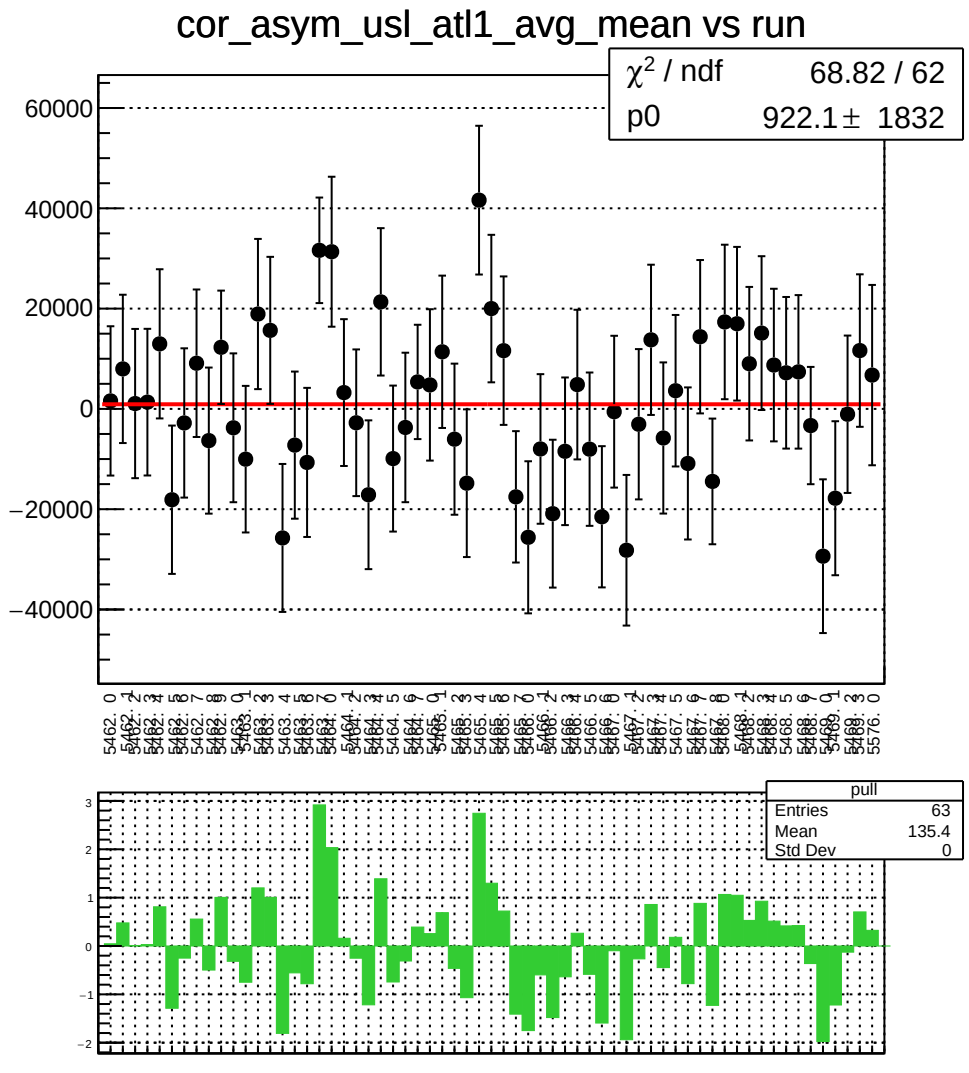

pull1D
Entries 63
Mean −0.01456
Std Dev 1.045

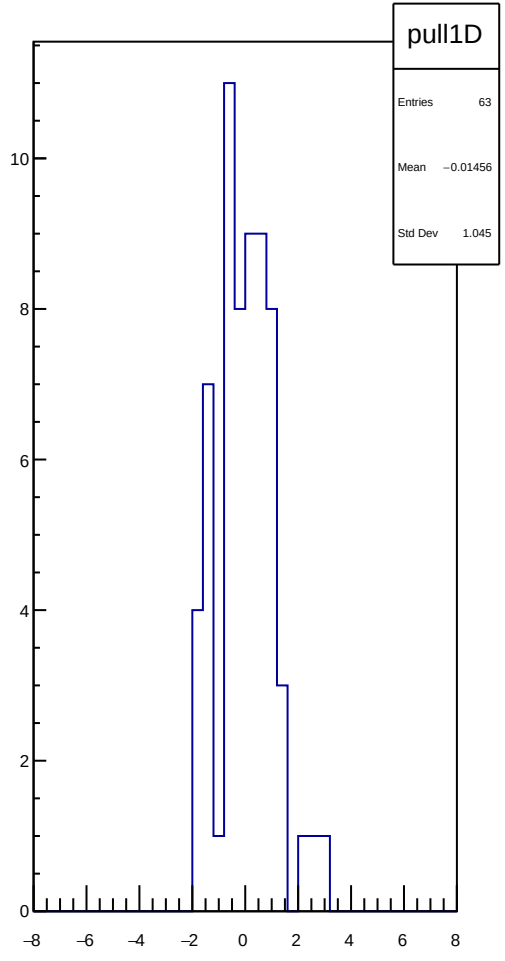

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 2283 / 62
p0 1424 ± 1.295
2000
1900
1800
1700
1600
1500
1400

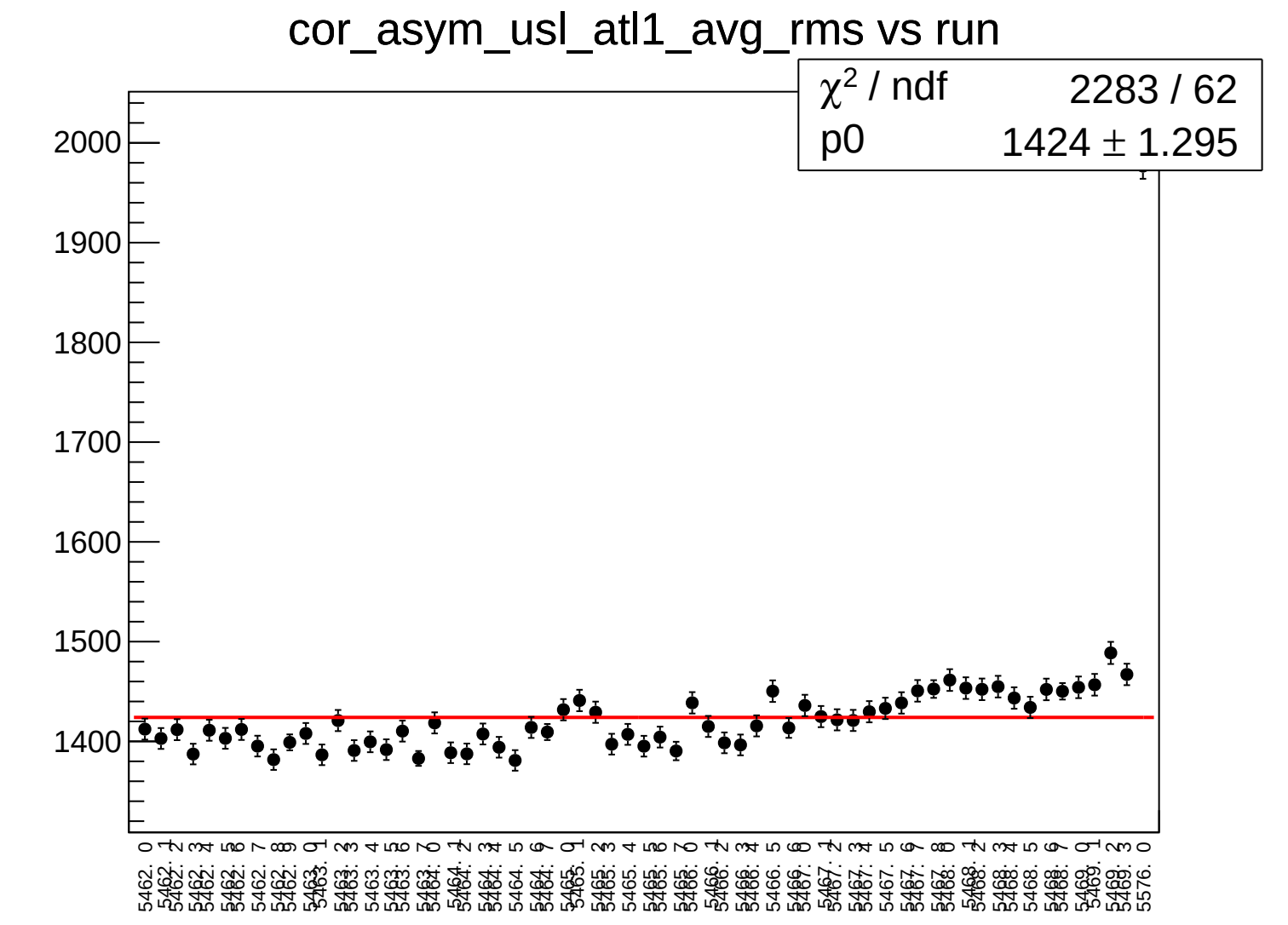

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 65.84 / 62
p0 583.7 ± 2666
pull
Entries 63
Mean −51.03
Std Dev 0

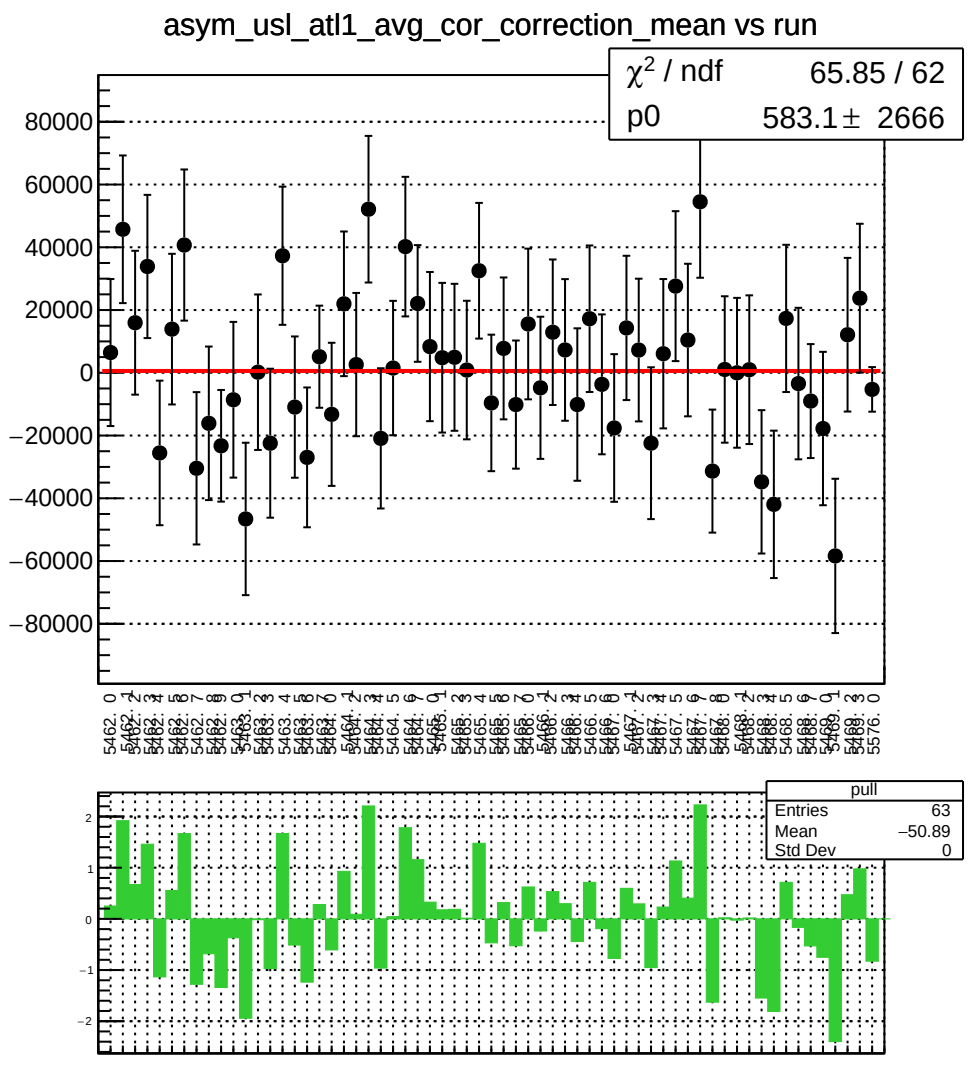

pull1D
Entries 63
Mean 0.03342
Std Dev 1.022

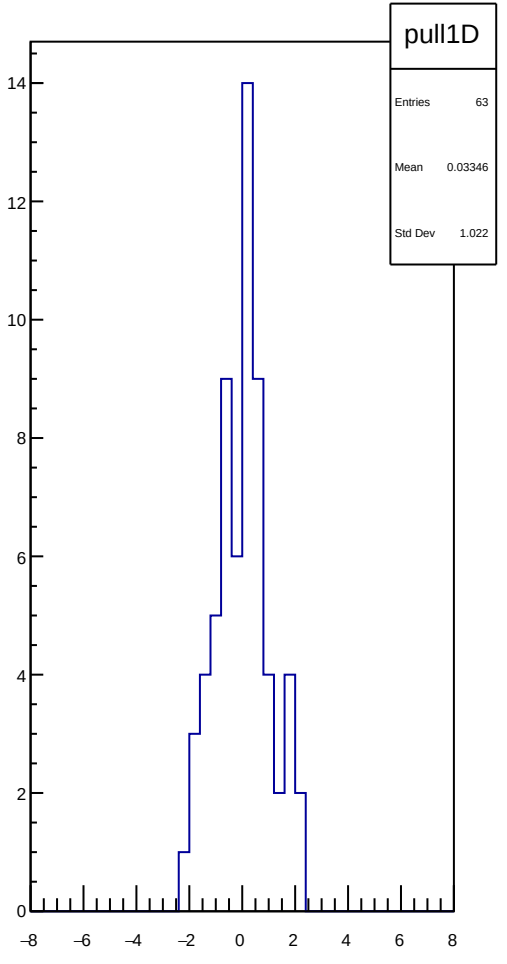

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 7.14e+04 / 62
p0 2012 ± 1.885
2400
2200
2000
1800
1600
1400
1200
1000
800

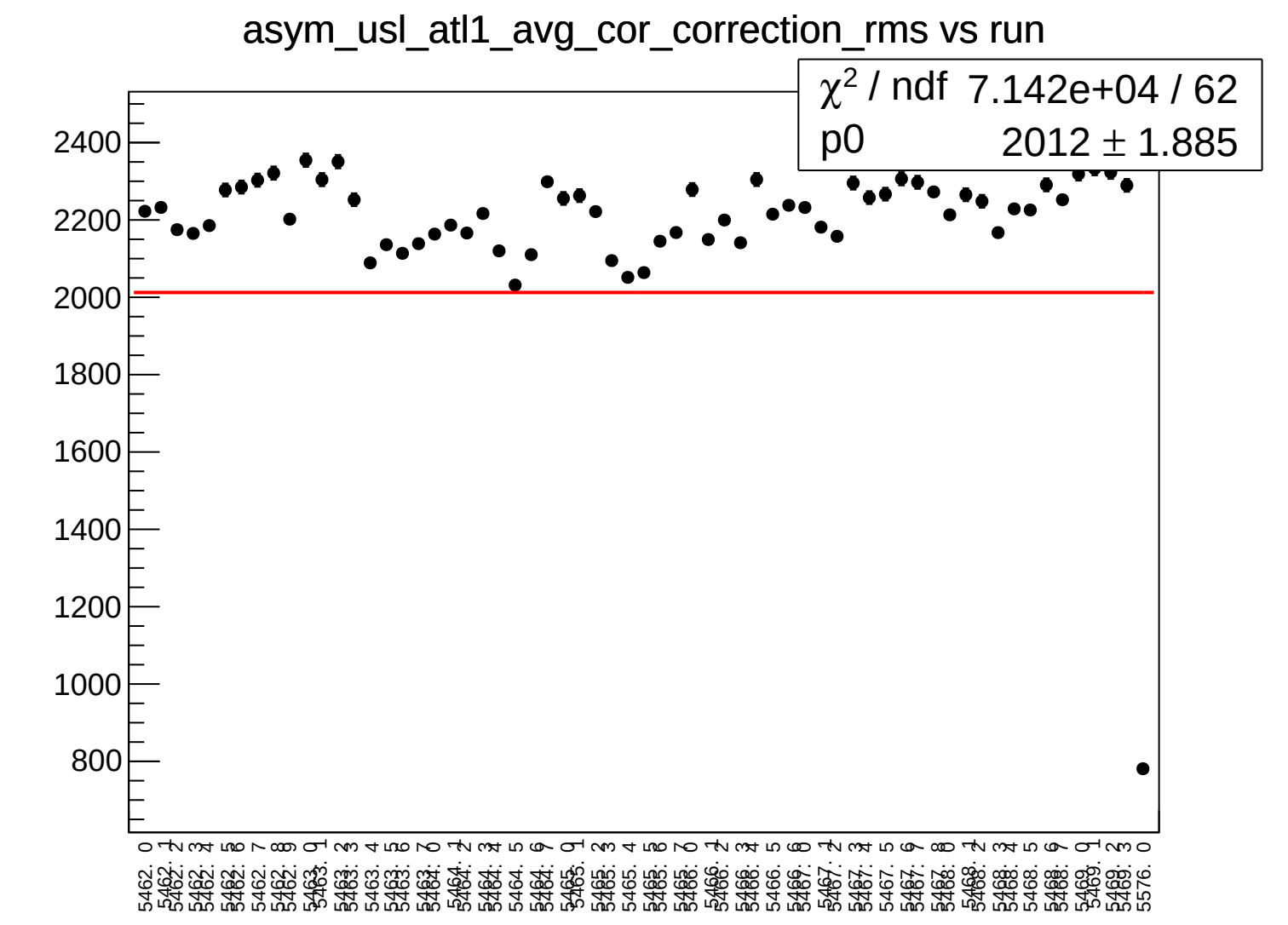

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 68.82 / 62
p0 922.1 ± 1832
60000
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 135.4
Std Dev 0
3
2
1
0
−1
−2

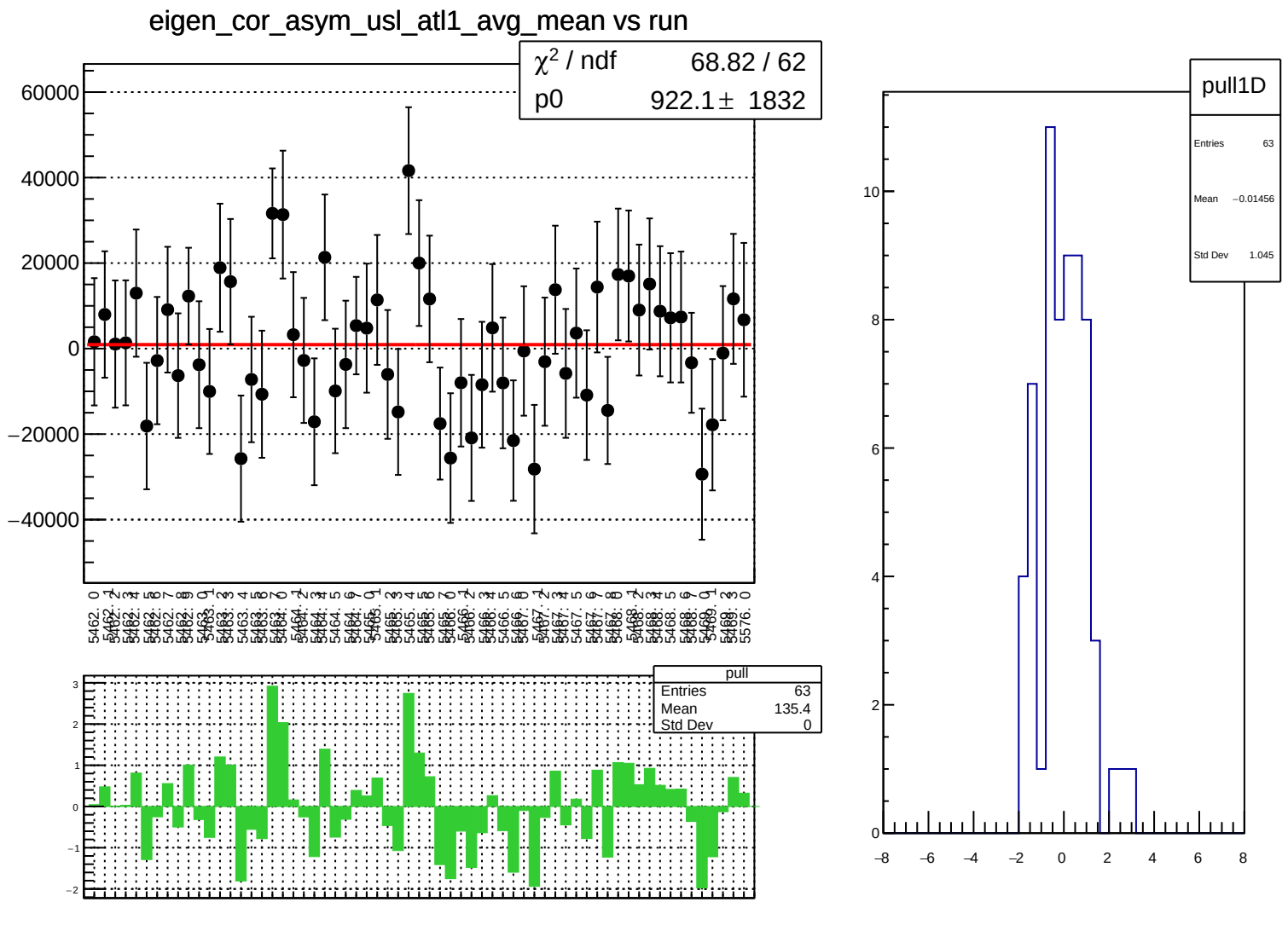

pull1D
Entries 63
Mean −0.01456
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

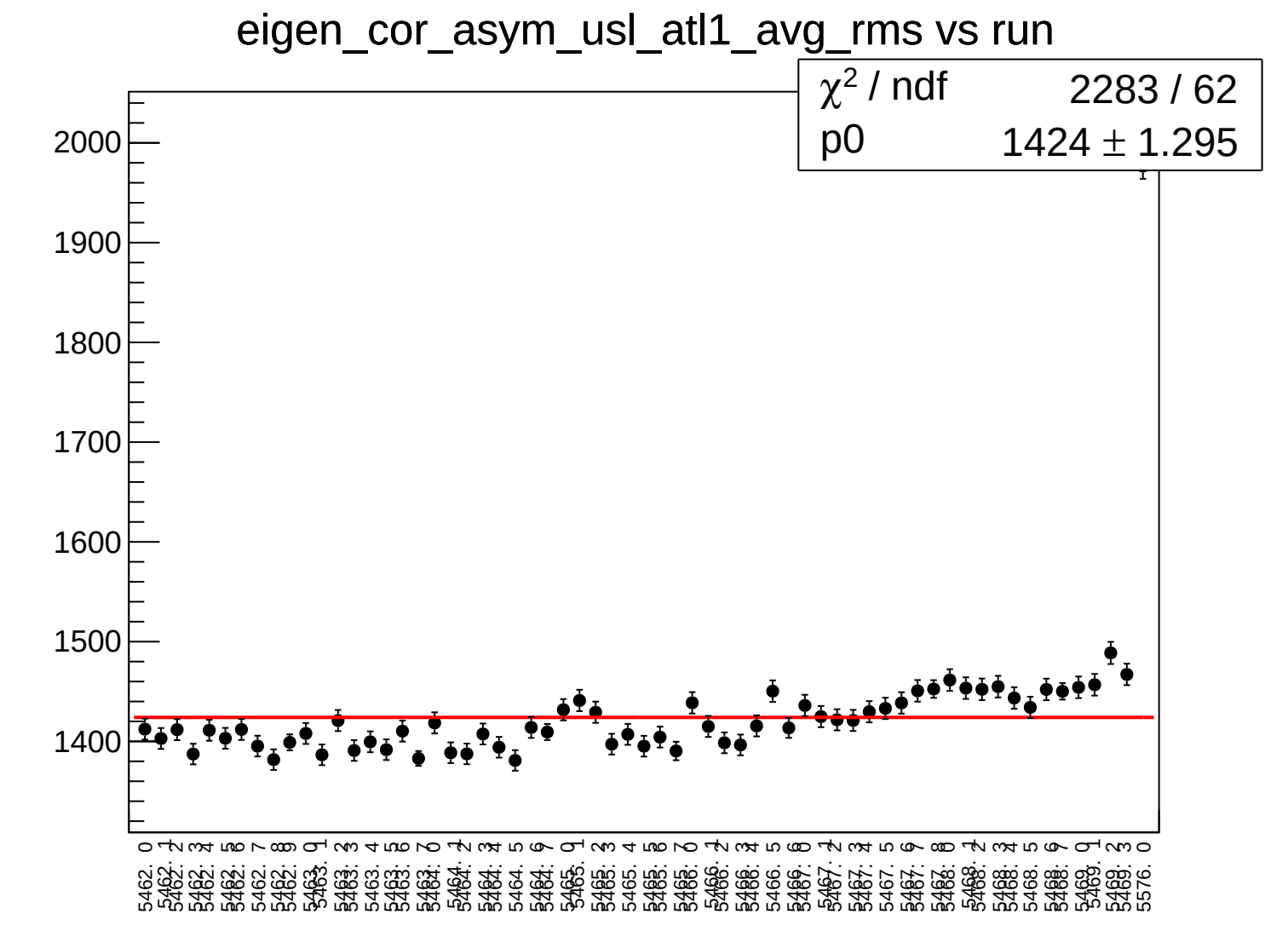

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 2283 / 62
p0 1424 ± 1.295
2000
1900
1800
1700
1600
1500
1400

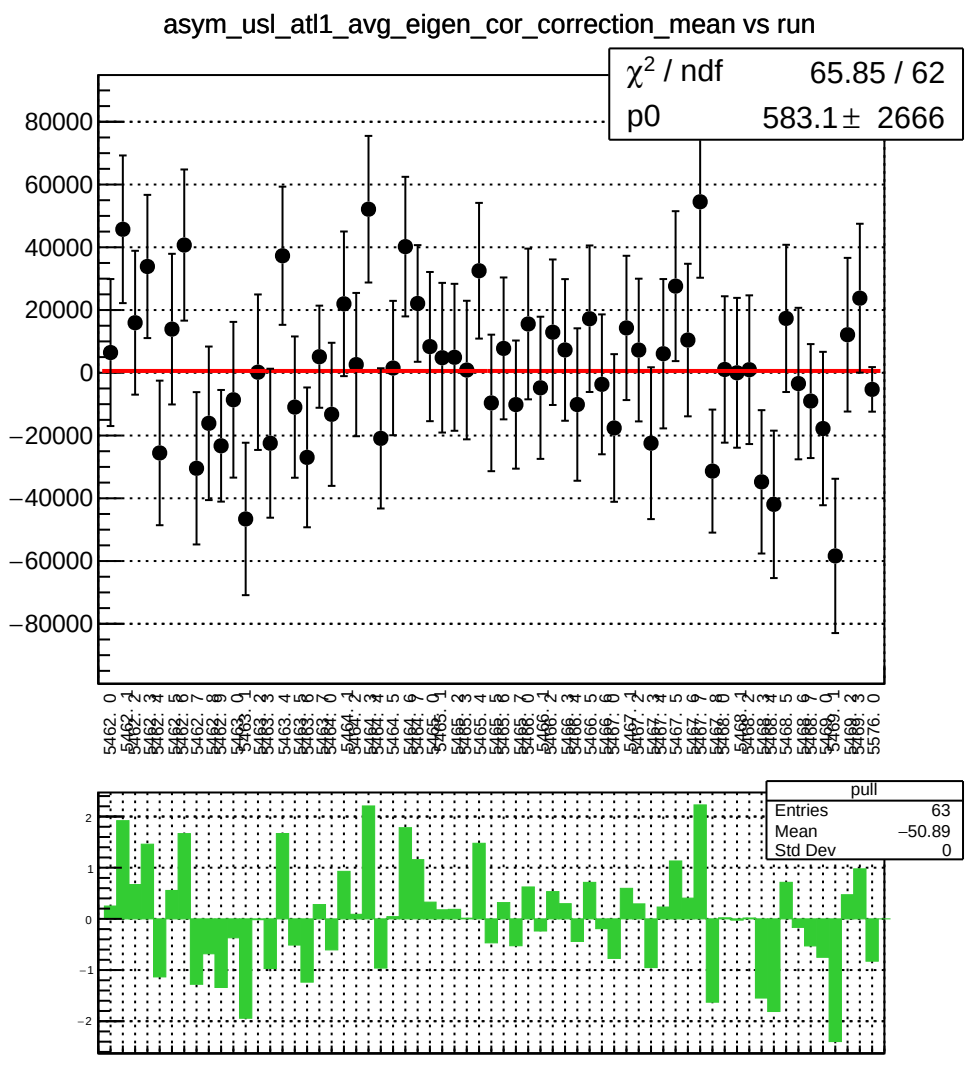

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 65.85 / 62
p0 583.1 ± 2666
pull
Entries 63
Mean −50.89
Std Dev 0

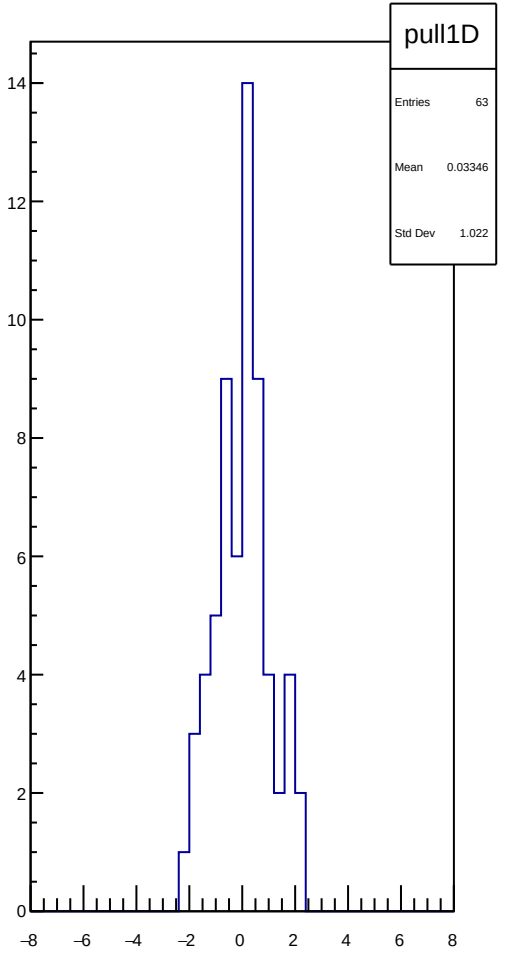

pull1D
Entries 63
Mean 0.03346
Std Dev 1.022

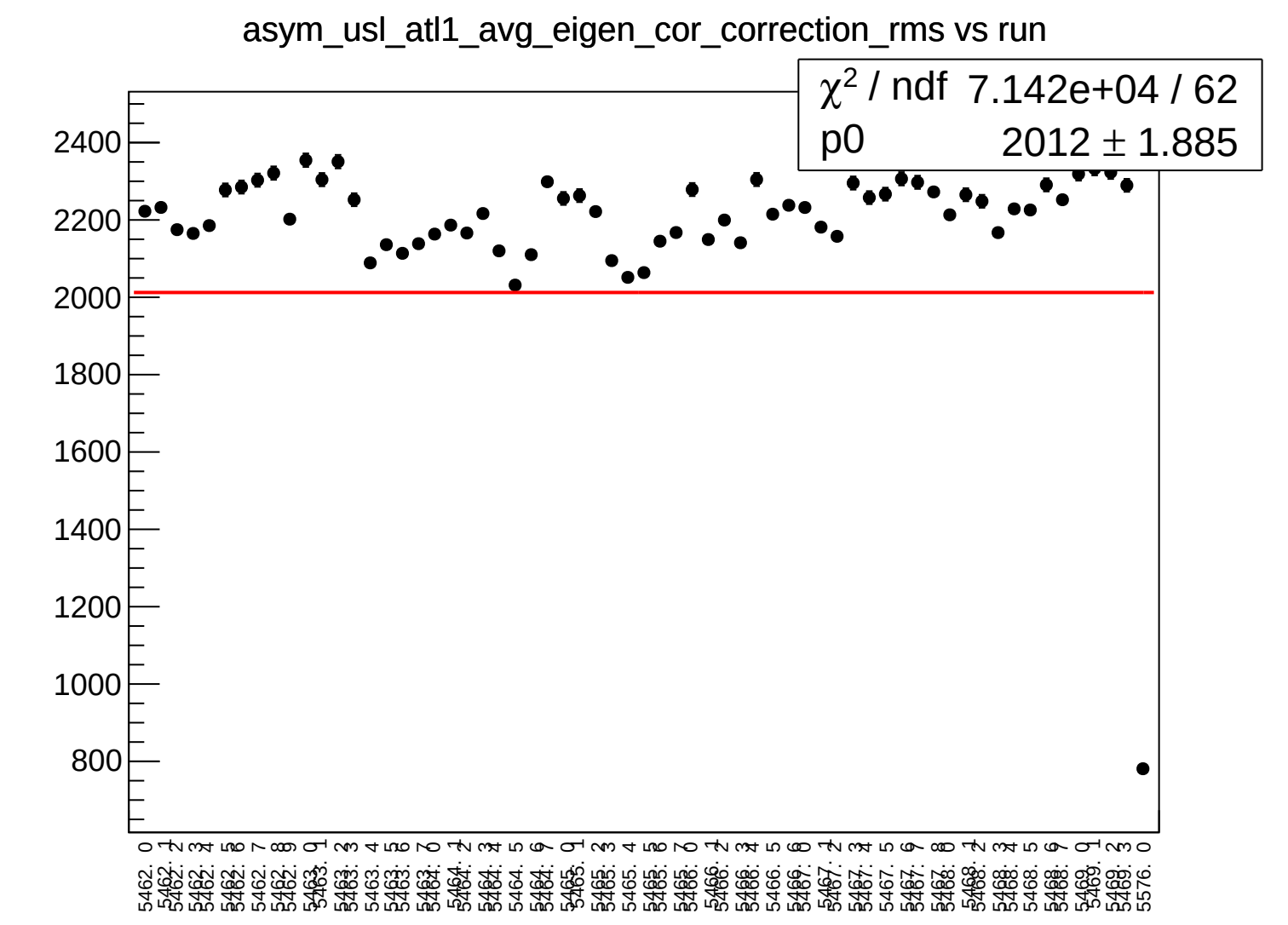

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 7.142e+04 / 62
p0 2012 ± 1.885
2400
2200
2000
1800
1600
1400
1200
1000
800
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

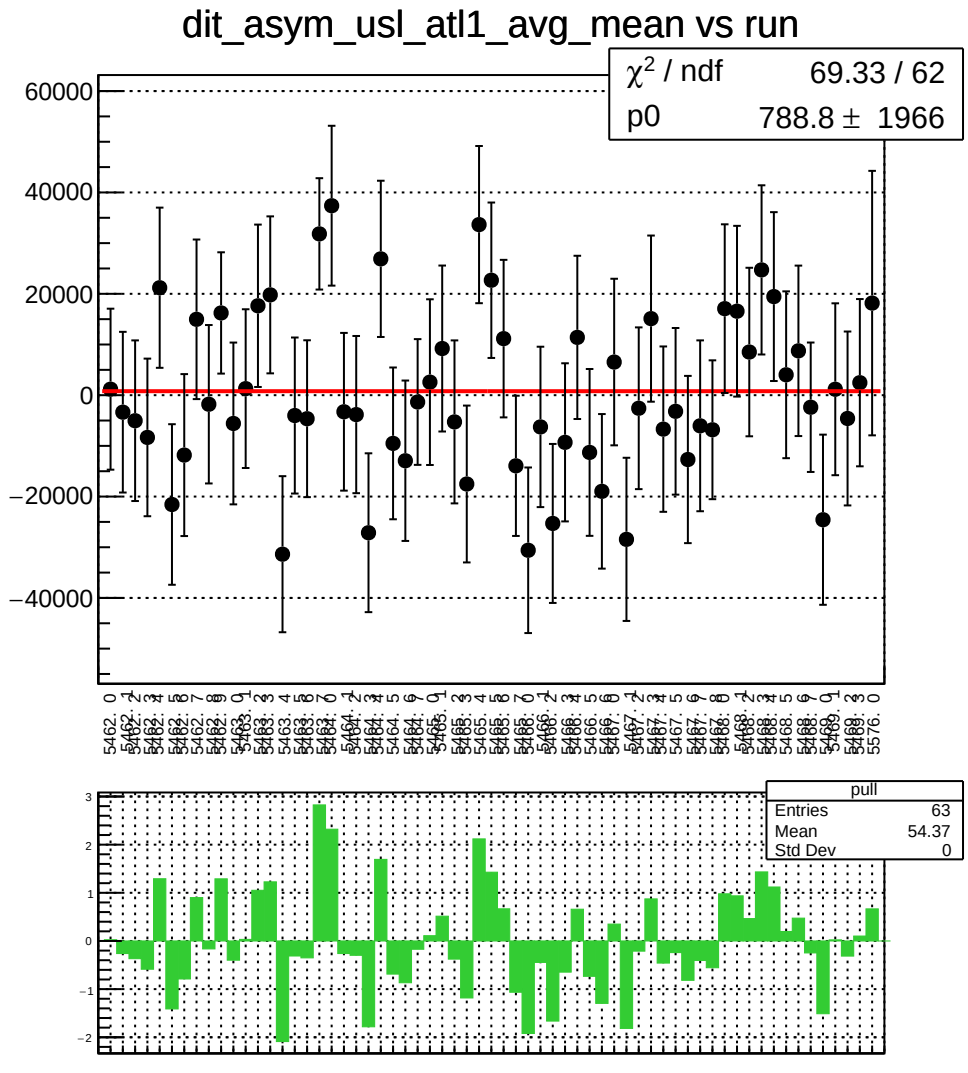

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 68.82 / 62
p0 922.1 ± 1832
pull
Entries 63
Mean 135.4
Std Dev 0
pull1D
Entries 63
Mean −0.01456
Std Dev 1.045

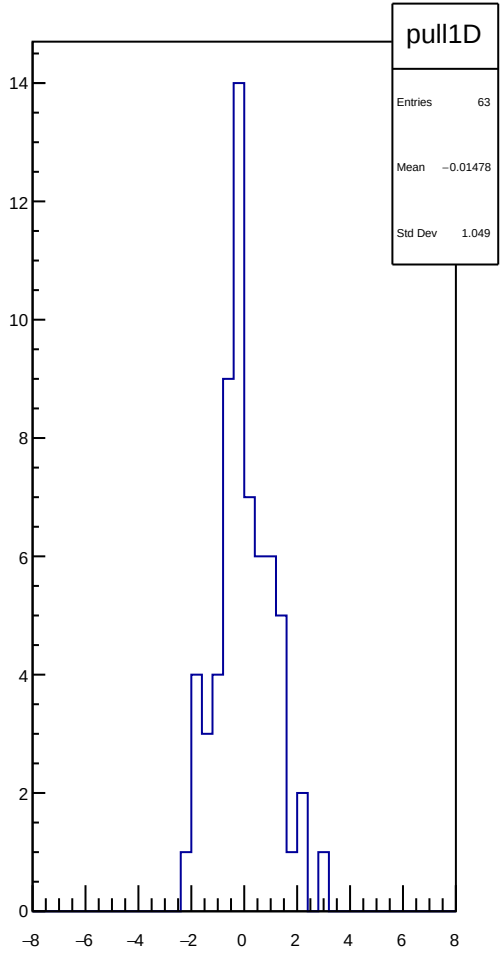

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 2283 / 62
p0 1424 ± 1.295
2000
1900
1800
1700
1600
1500
1400

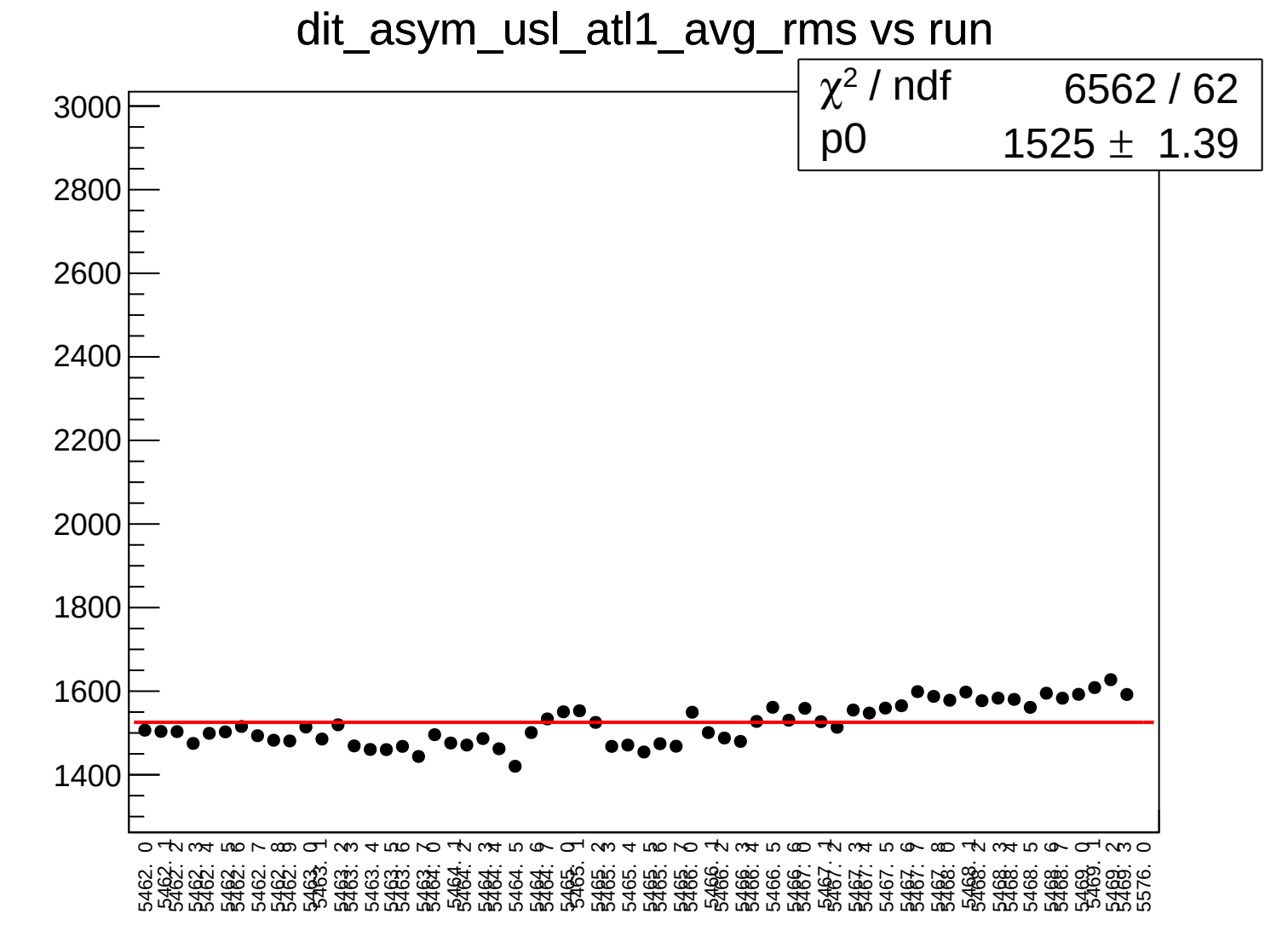

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.85 / 62
p0 583.1 ± 2666
pull
Entries 63
Mean −50.89
Std Dev 0

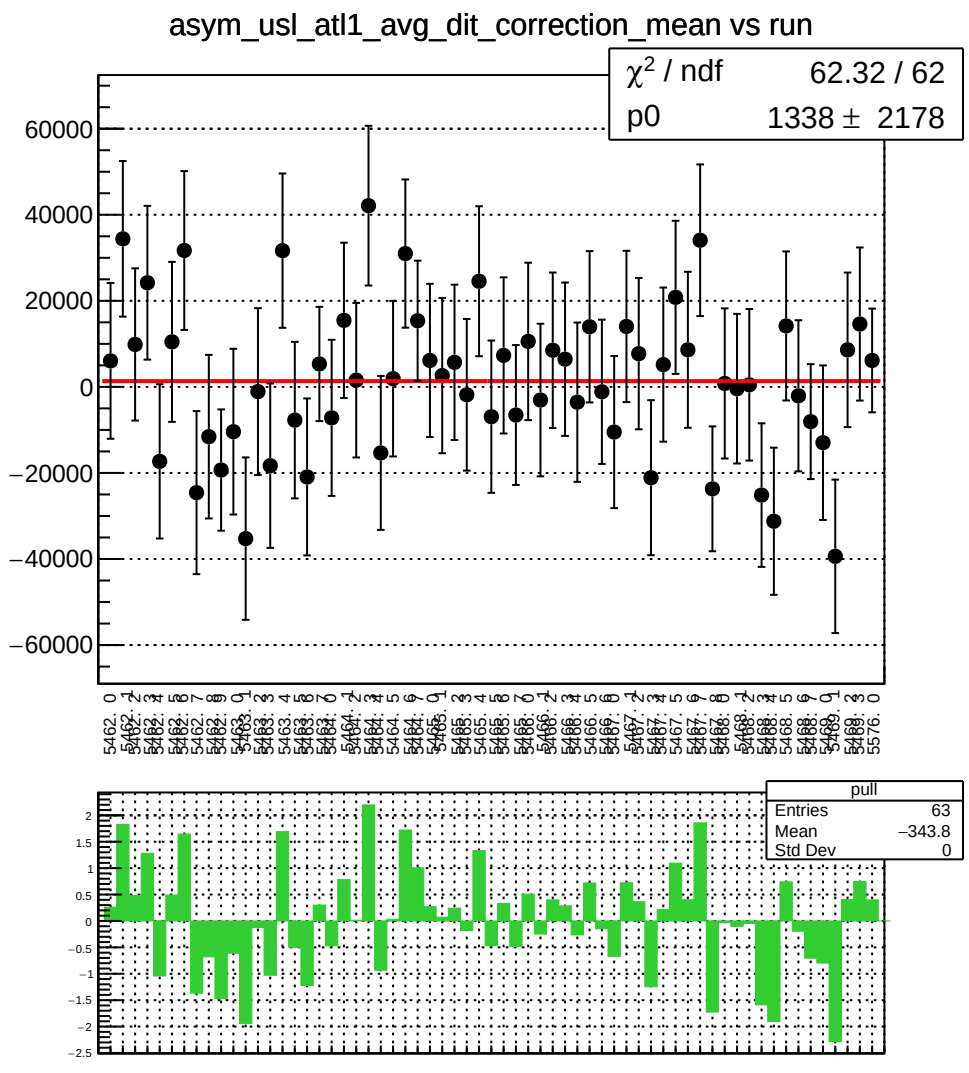

pull1D
Entries 63
Mean 0.03346
Std Dev 1.022

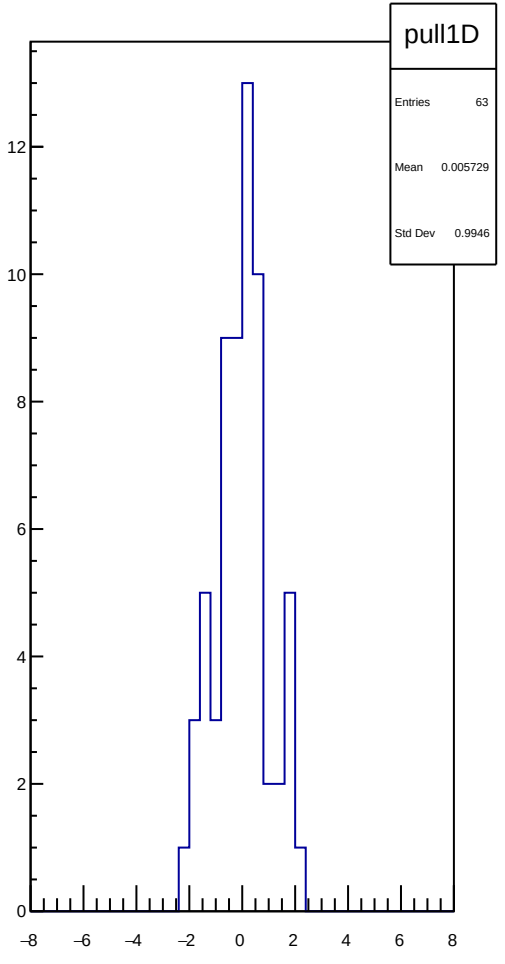

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.142e+04 / 62
p0 2012 ± 1.885
2400
2200
2000
1800
1600
1400
1200
1000
800
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

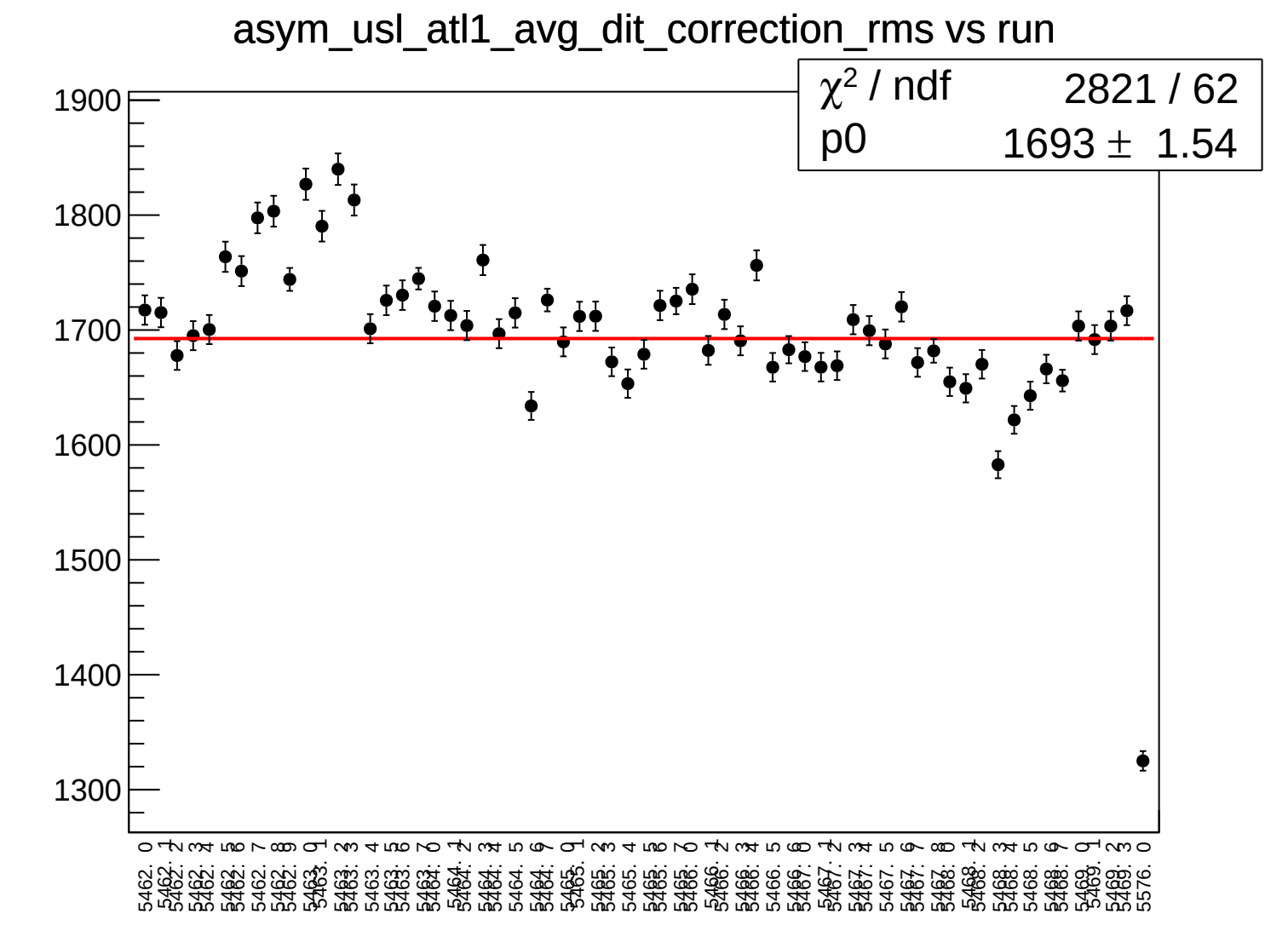

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 69.33 / 62
p0 788.8 ± 1966
60000
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 54.37
Std Dev 0
3
2
1
0
−1
−2

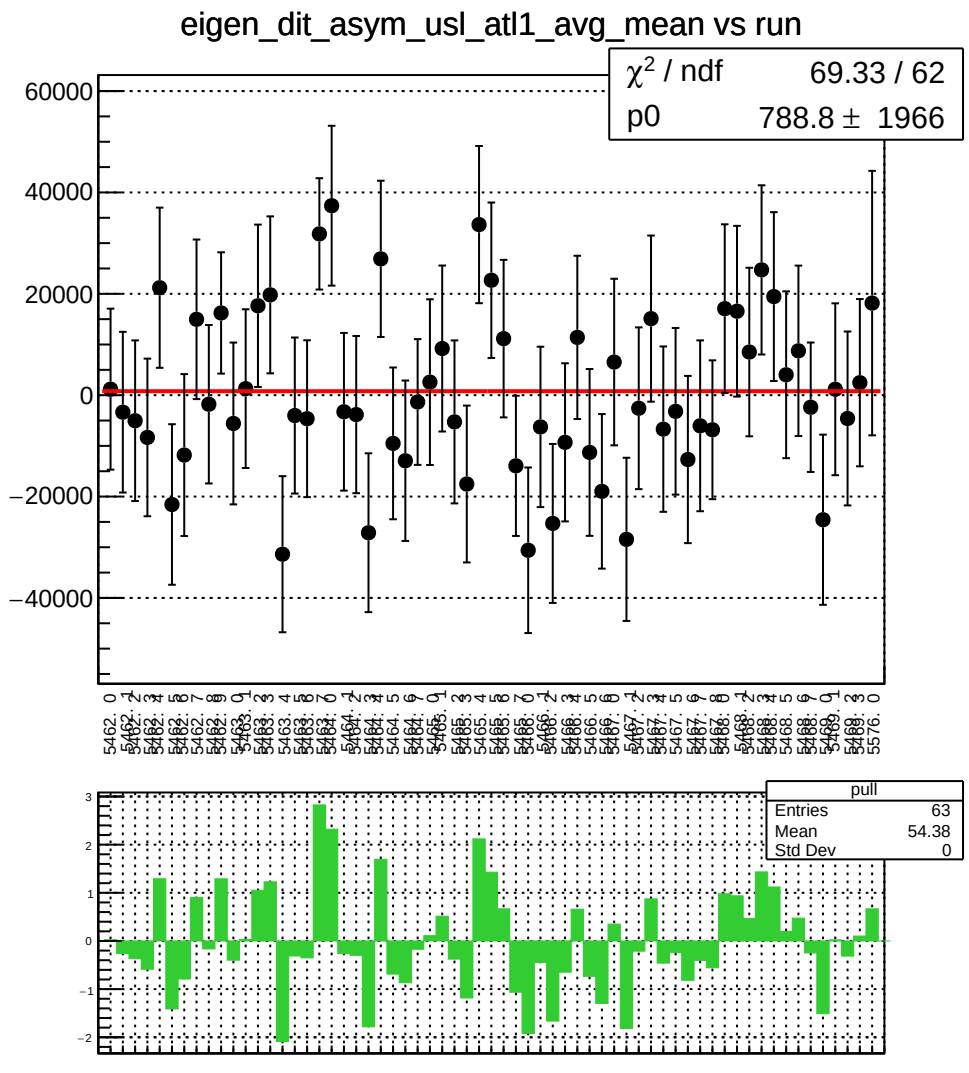

pull1D
Entries 63
Mean −0.01478
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

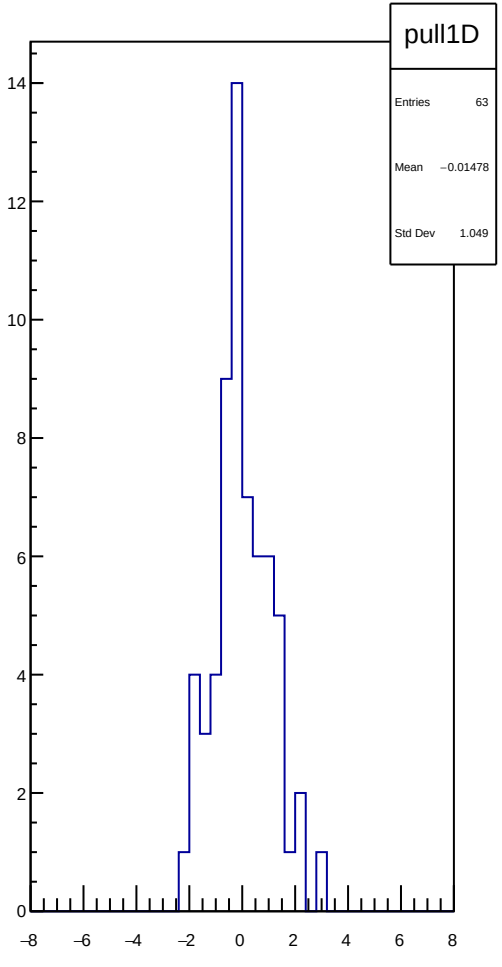

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 6562 / 62
p0 1525 ± 1.39
3000
2800
2600
2400
2200
2000
1800
1600
1400

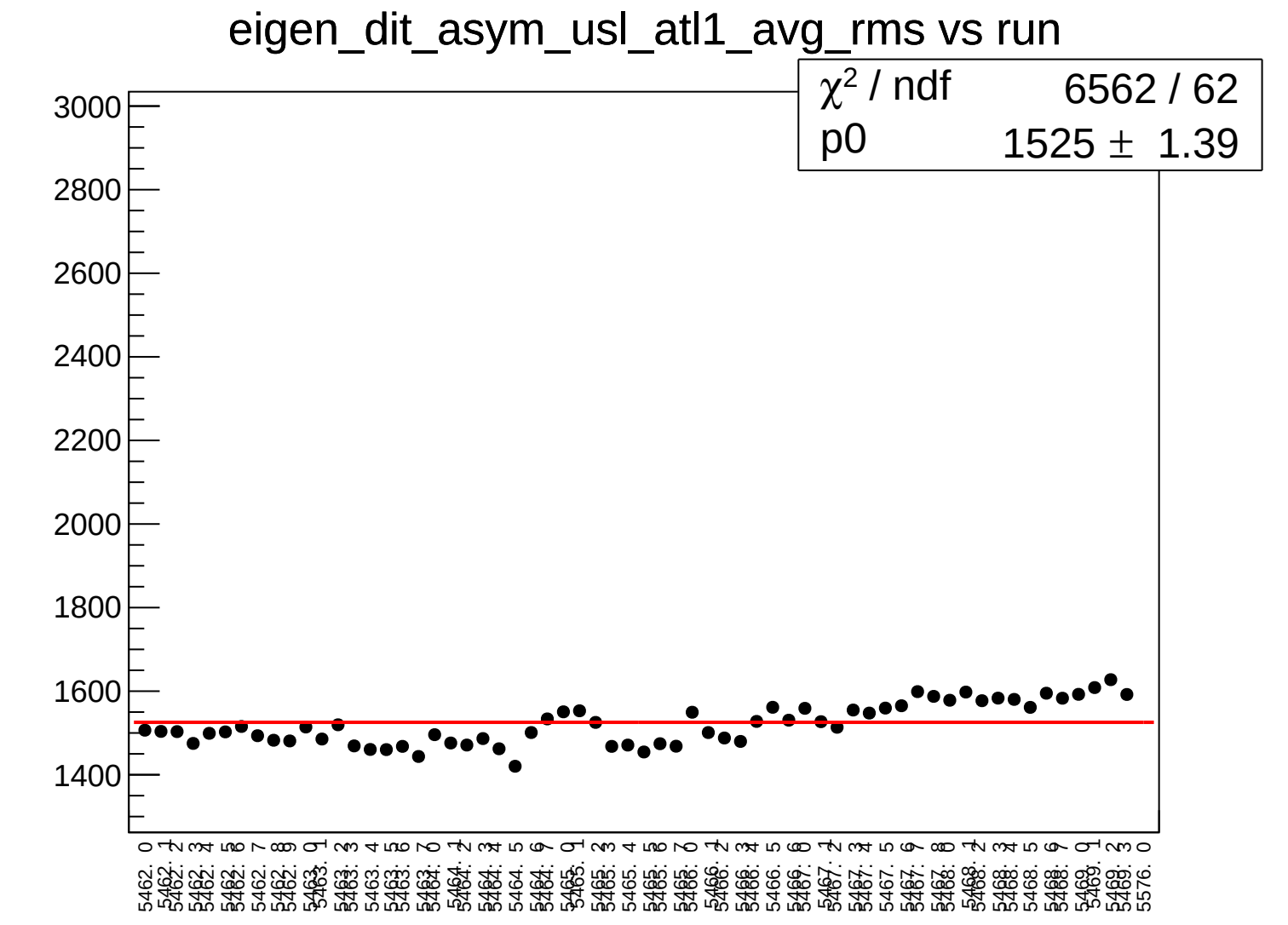

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 62.32 / 62
p0 1338 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean −343.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

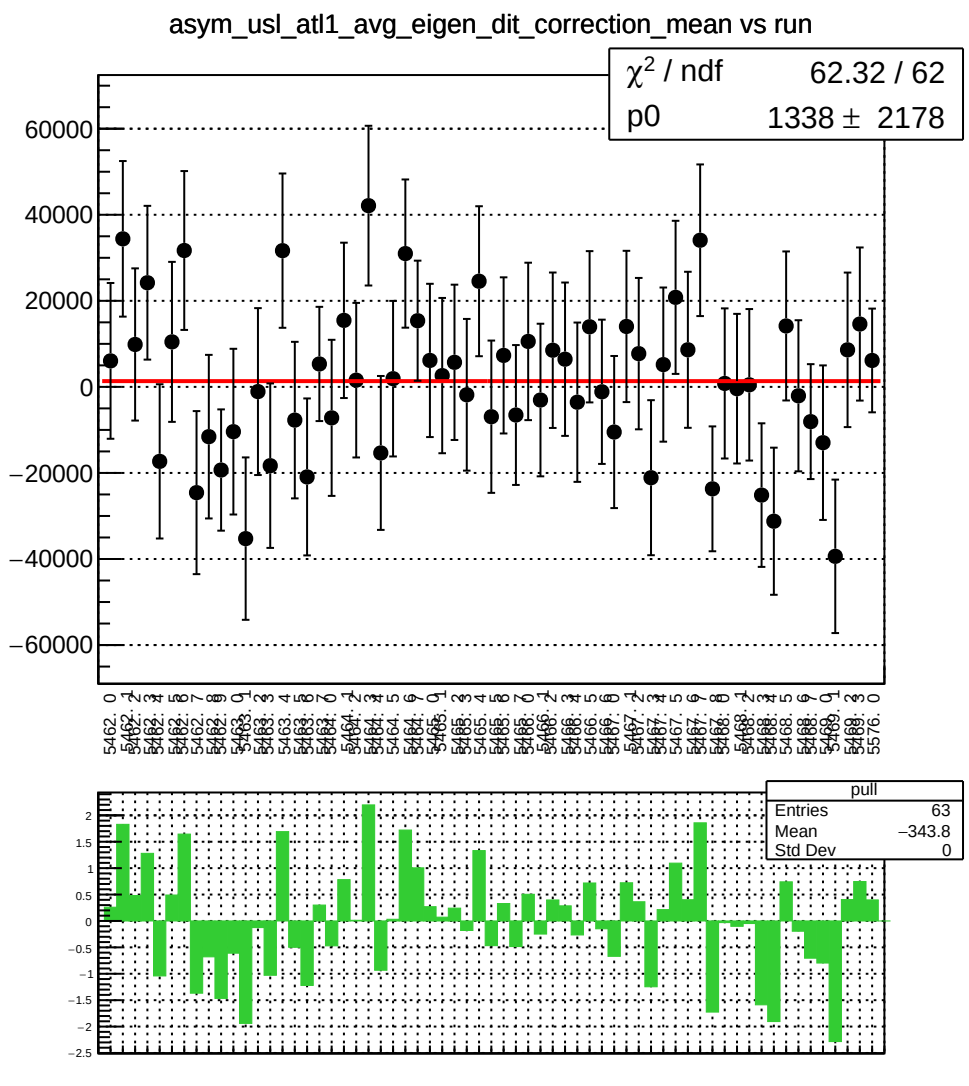

pull1D
Entries 63
Mean 0.005729
Std Dev 0.9946
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

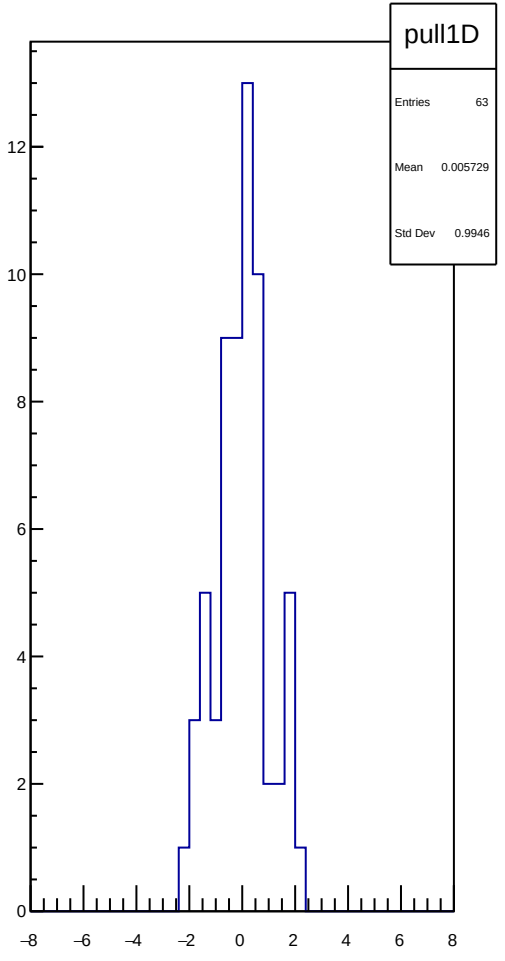

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2821 / 62
p0 1693 ± 1.54
1900
1800
1700
1600
1500
1400
1300

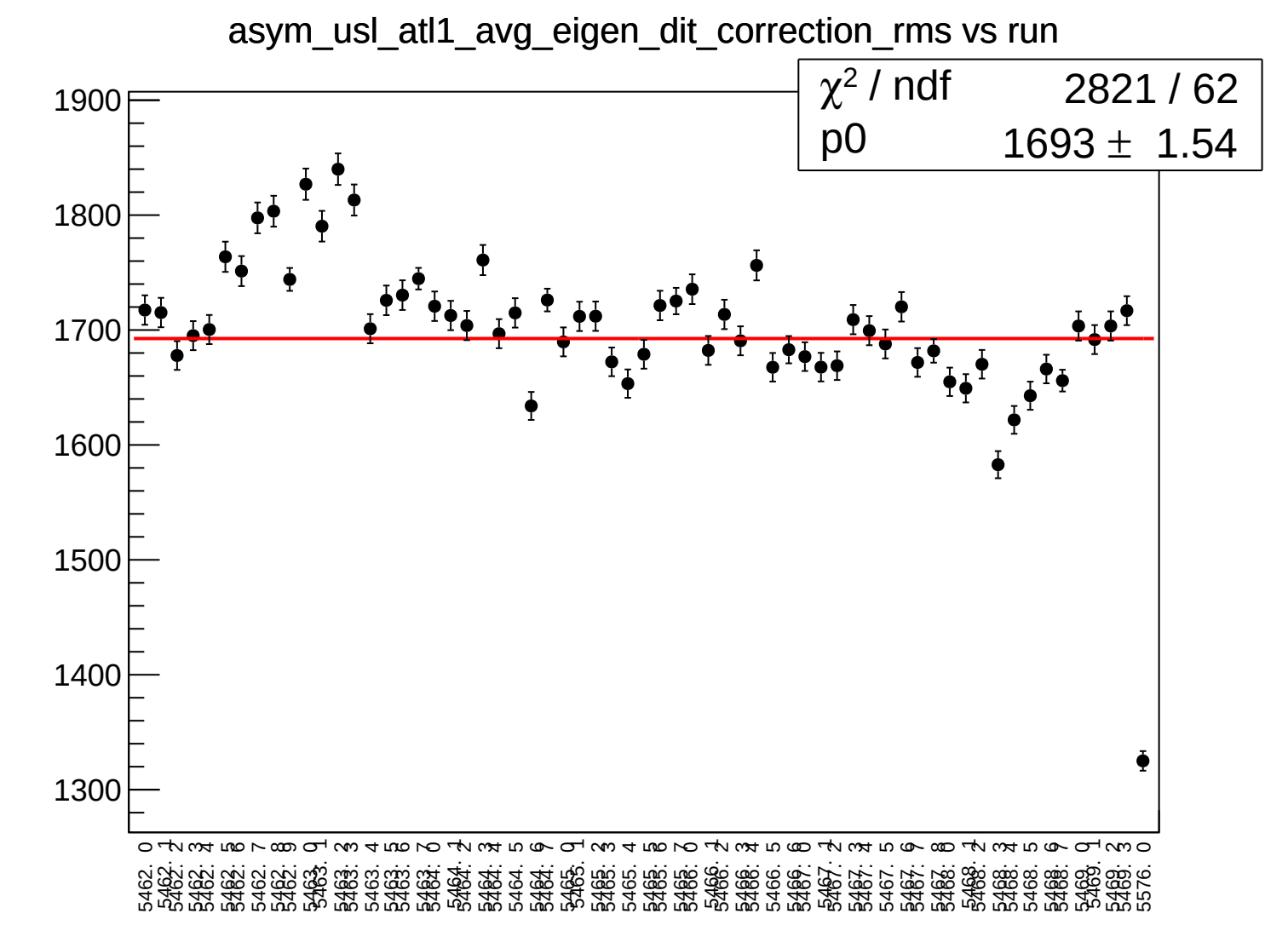

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 69.33 / 62
p0 788.8 ± 1966
pull
Entries 63
Mean 54.38
Std Dev 0

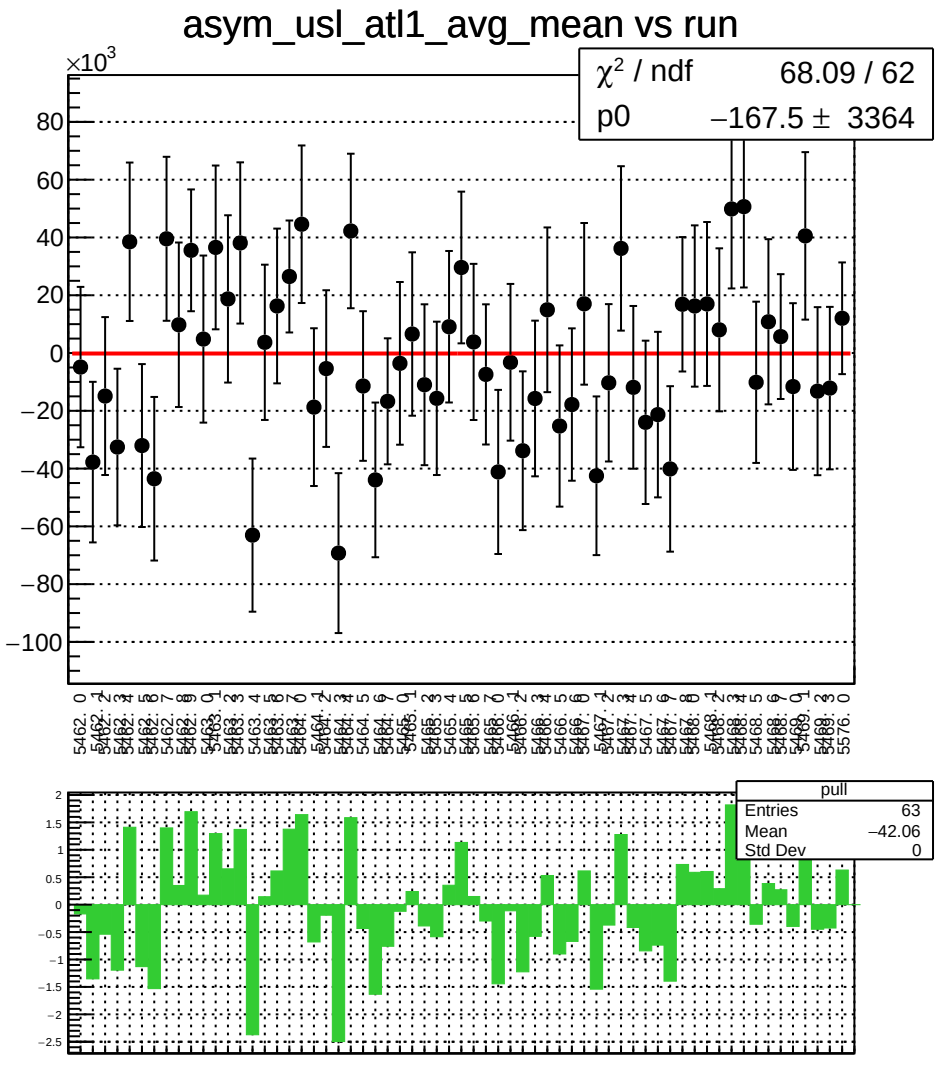

pull1D
Entries 63
Mean −0.01478
Std Dev 1.049

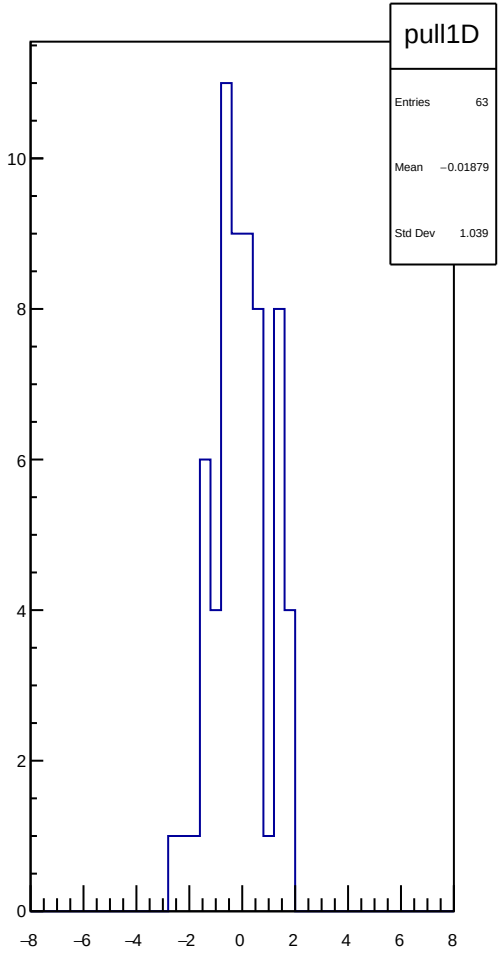

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 6562 / 62
p0 1525 ± 1.39
3000
2800
2600
2400
2200
2000
1800
1600
1400

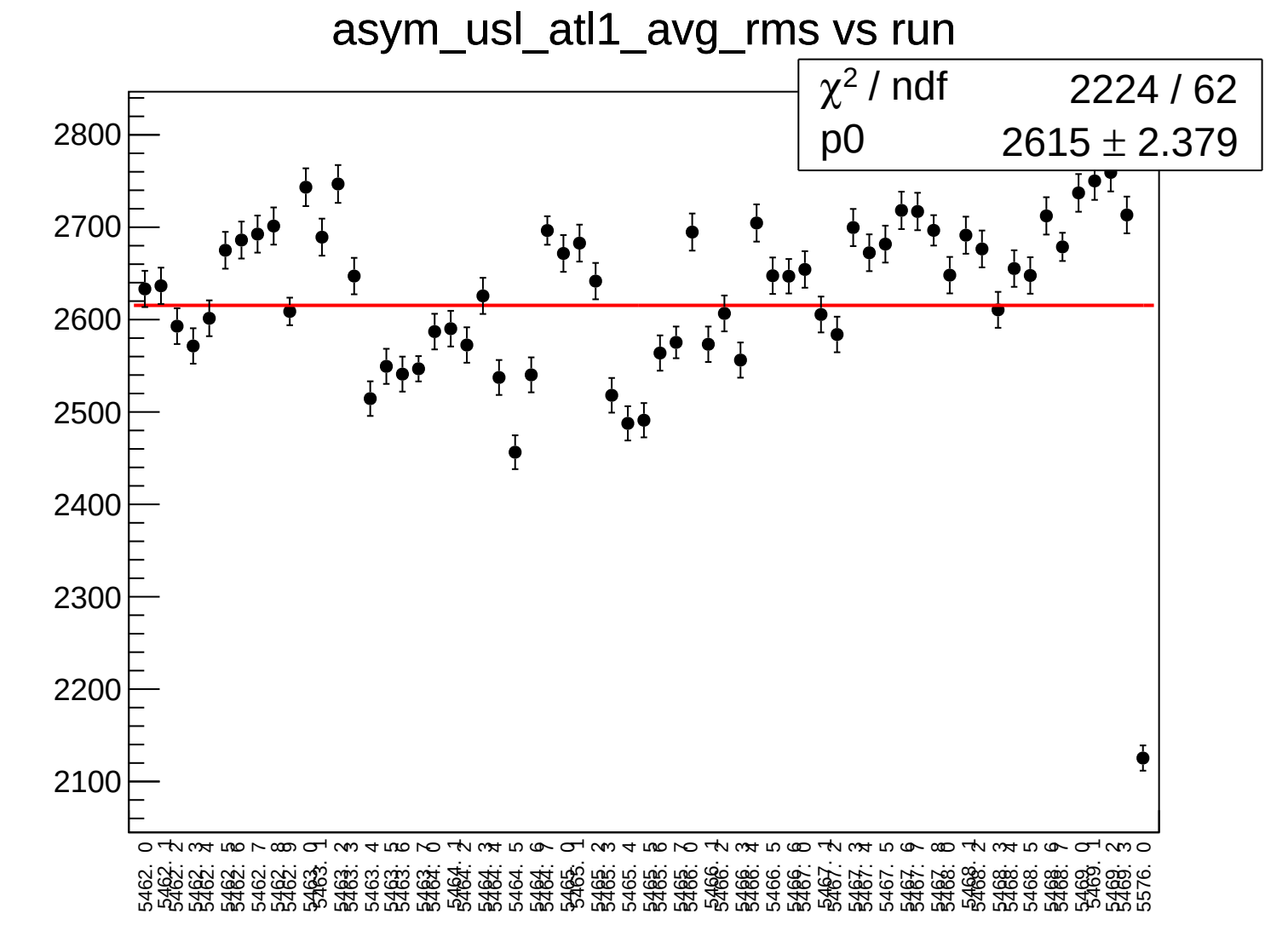

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.32 / 62
p0 1338 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean −343.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

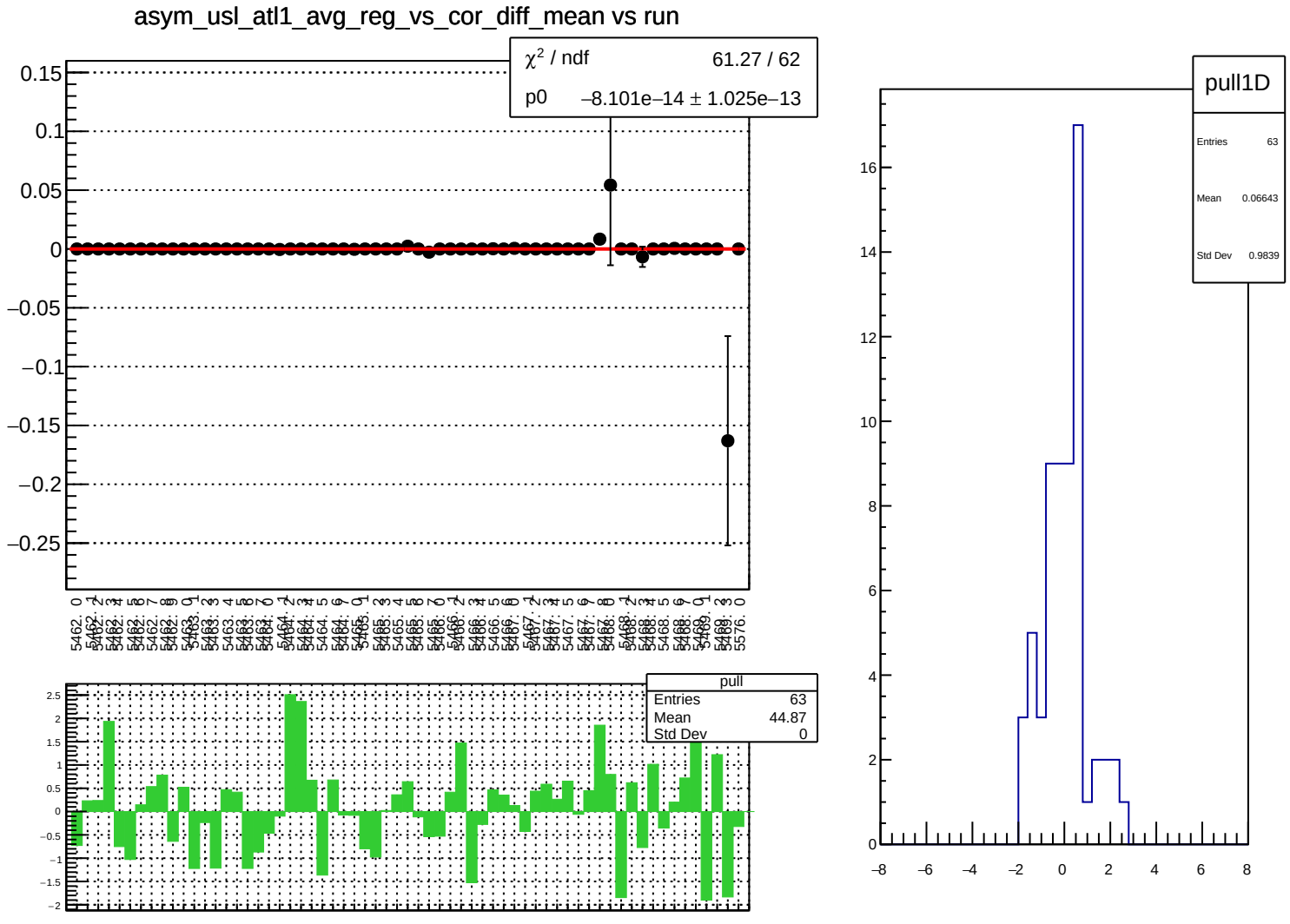

pull1D
Entries 63
Mean 0.005729
Std Dev 0.9946
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

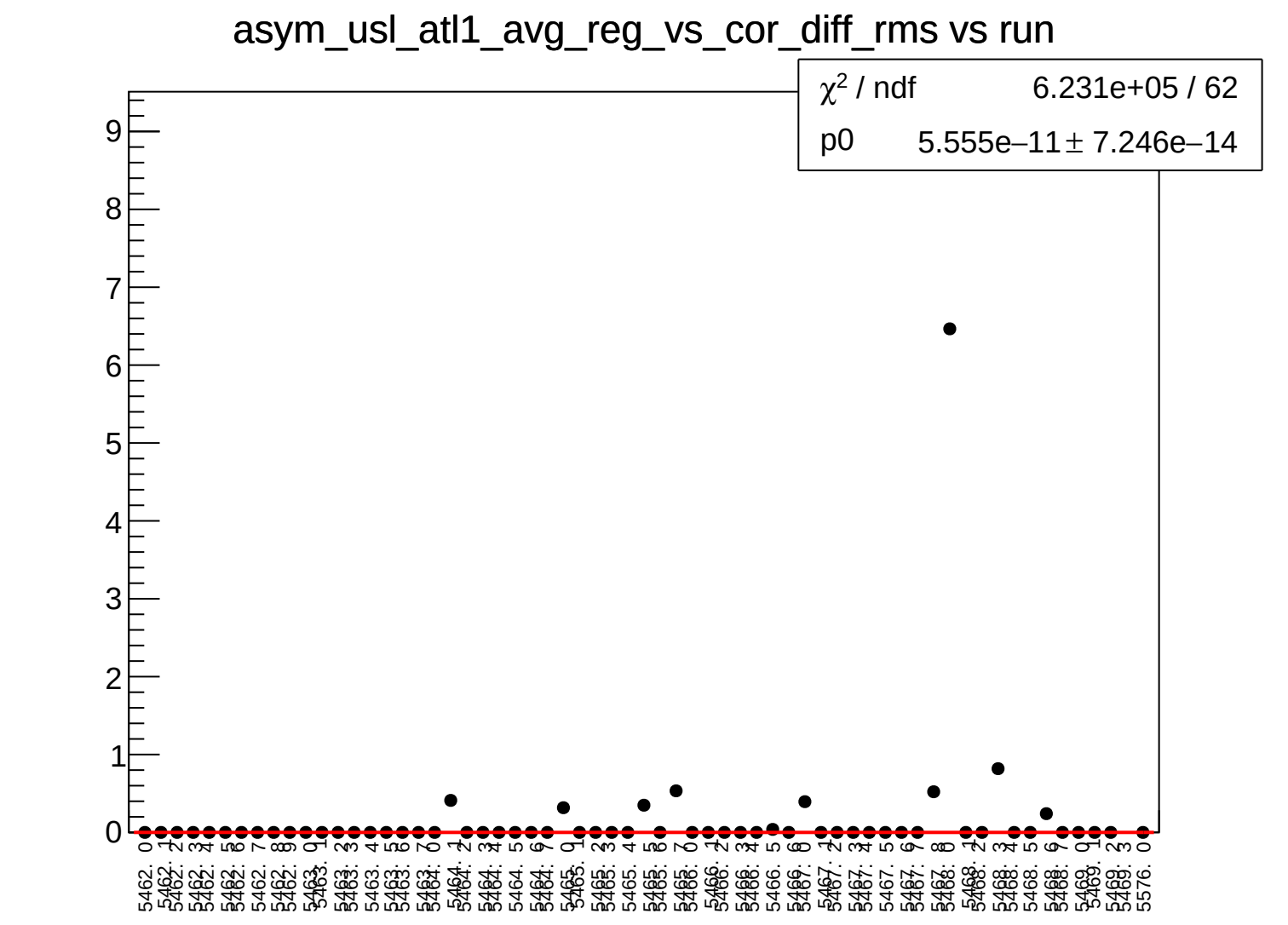

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2821 / 62
p0 1693 ± 1.54
1900
1800
1700
1600
1500
1400
1300

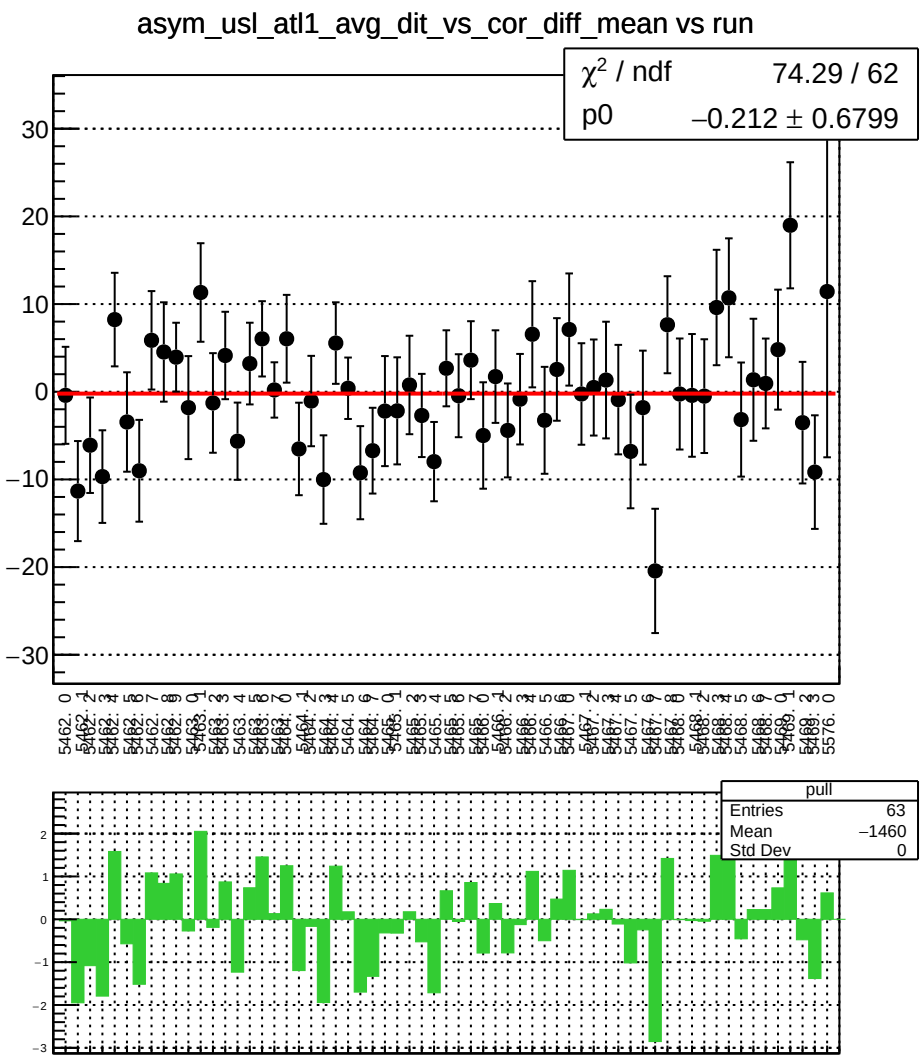

asym_usl_atl1_avg_mean vs run
×10^3
χ² / ndf 68.09 / 62
p0 −167.5 ± 3364
pull
Entries 63
Mean −42.06
Std Dev 0

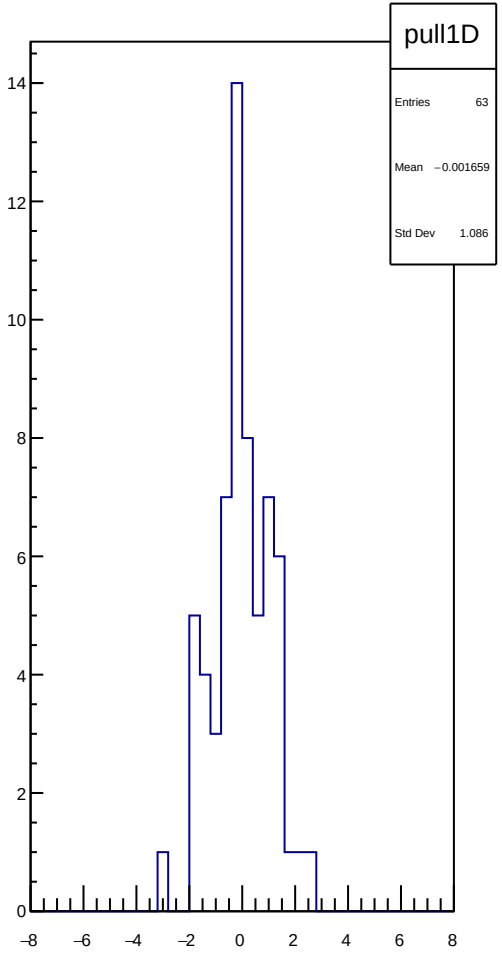

pull1D
Entries 63
Mean −0.01879
Std Dev 1.039

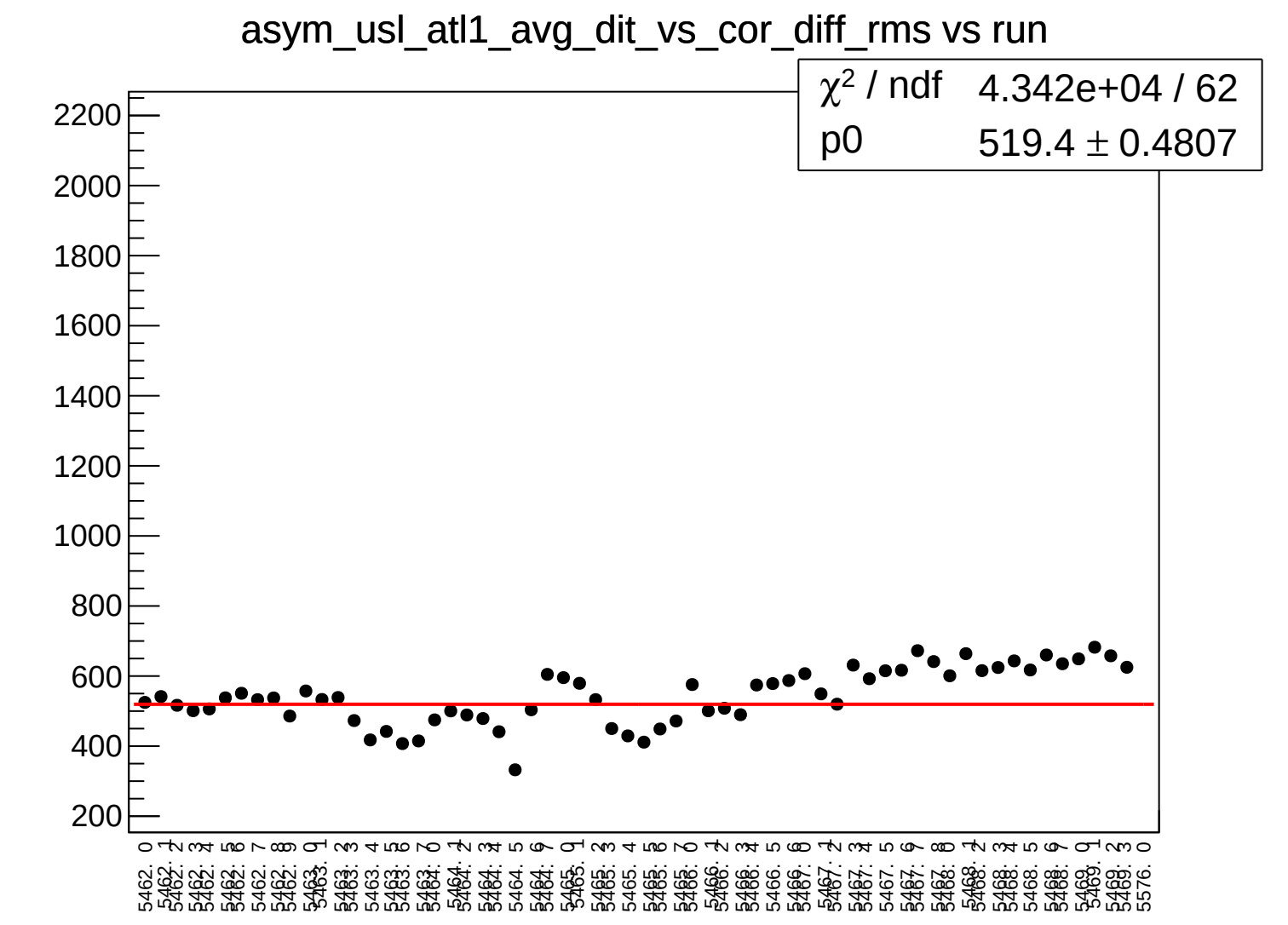

asym_usl_atl1_avg_rms vs run
χ² / ndf 2224 / 62
p0 2615 ± 2.379
2800
2700
2600
2500
2400
2300
2200
2100

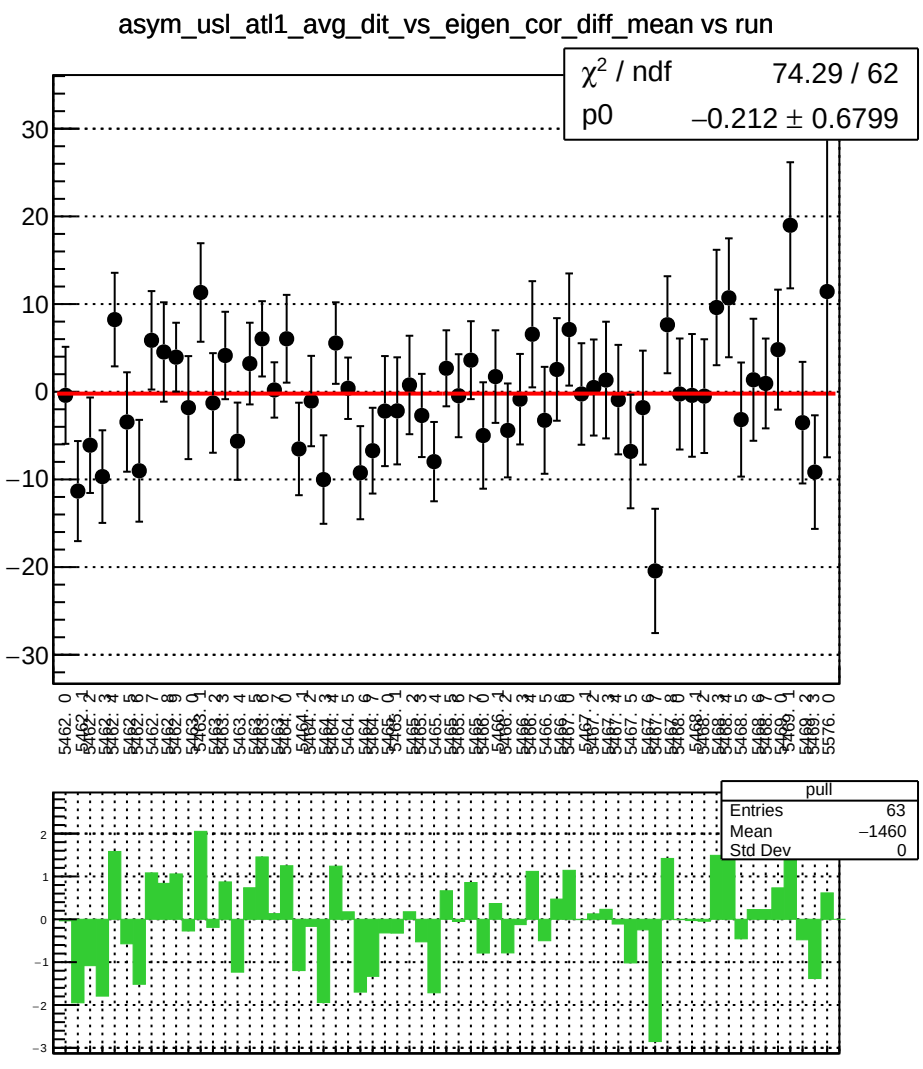

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.27 / 62
p0 −8.101e−14 ± 1.025e−13
pull
Entries 63
Mean 44.87
Std Dev 0
pull1D
Entries 63
Mean 0.06643
Std Dev 0.9839

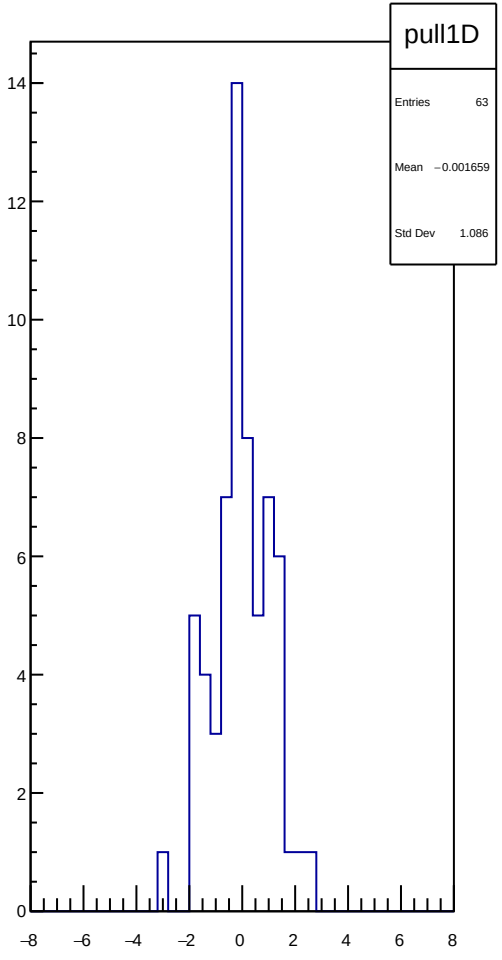

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.231e+05 / 62
p0 5.555e−11 ± 7.246e−14
0
1
2
3
4
5
6
7
8
9

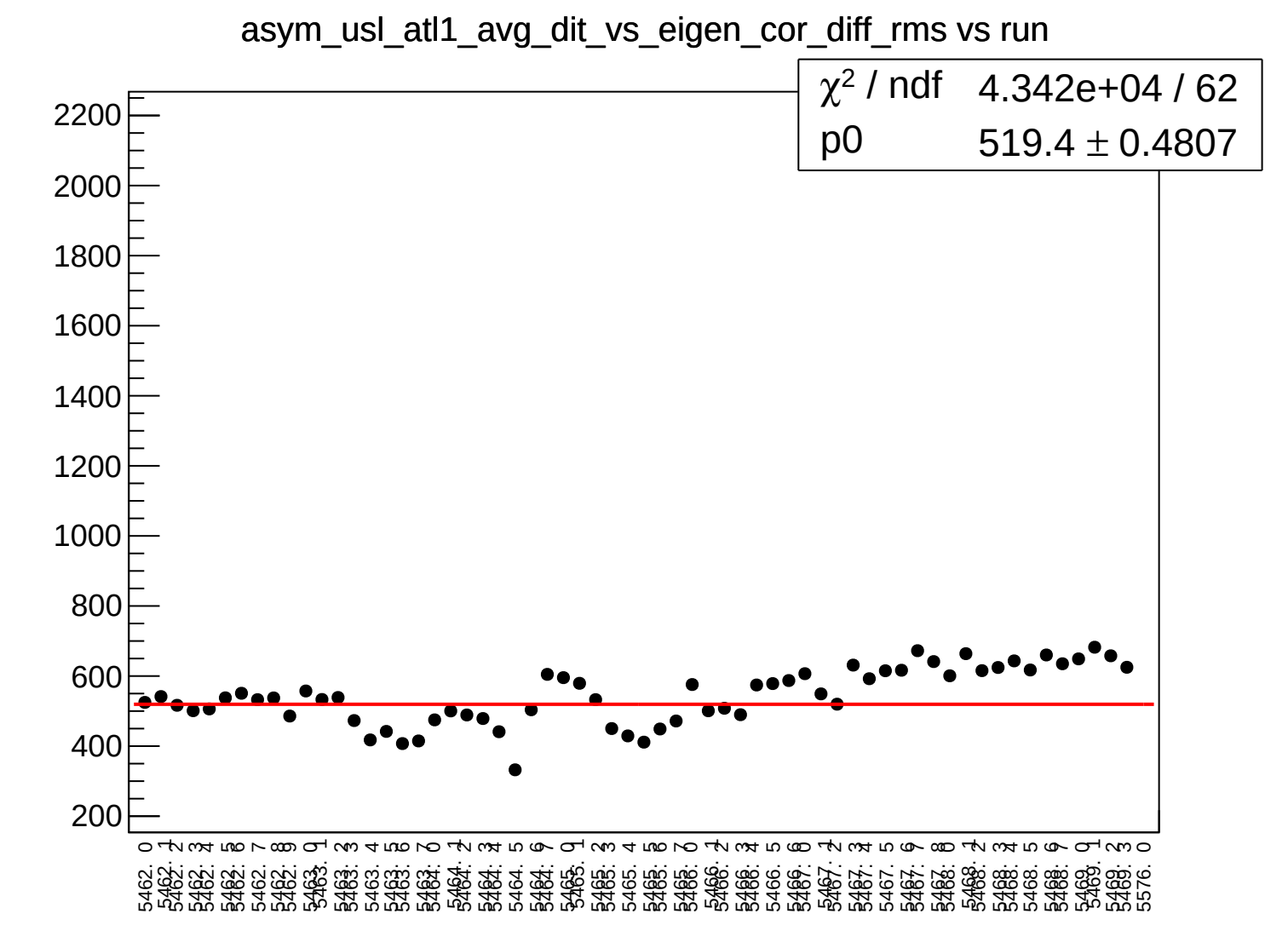

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.29 / 62
p0 −0.212 ± 0.6799
pull
Entries 63
Mean −1460
Std Dev 0

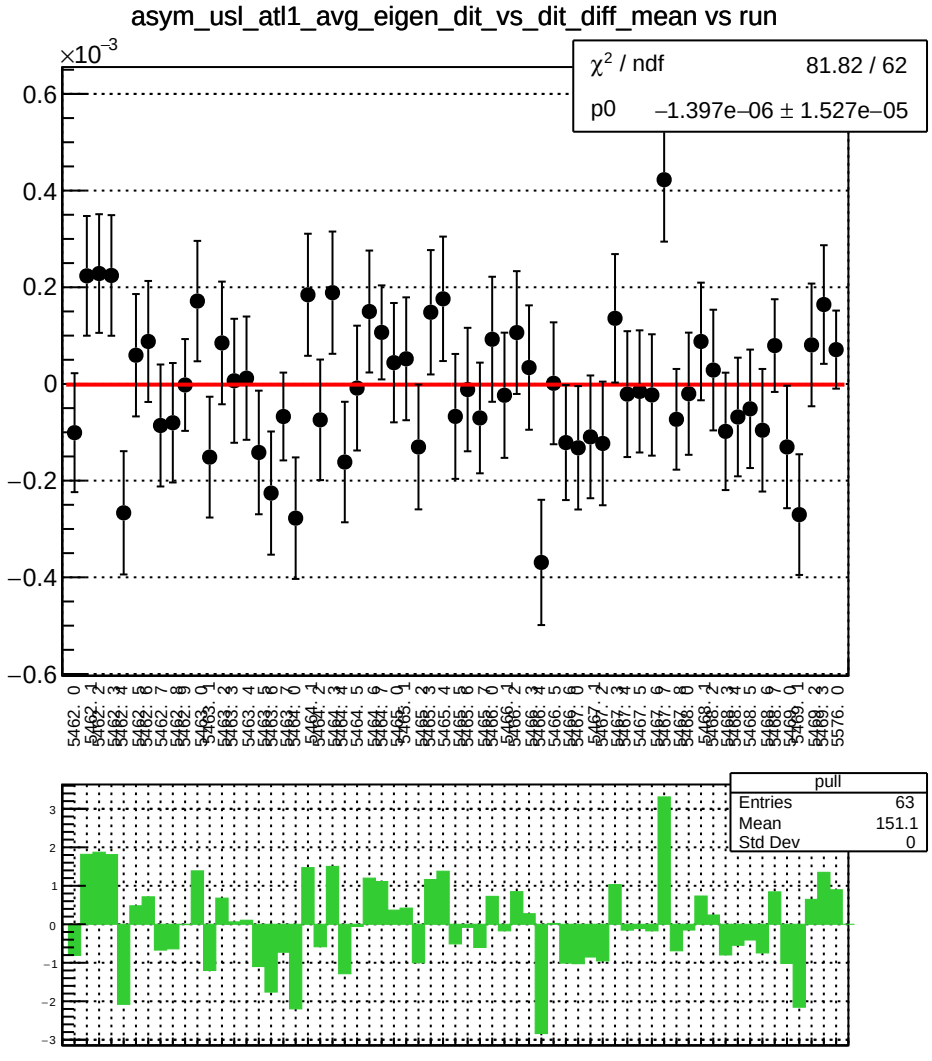

pull1D
Entries 63
Mean −0.001659
Std Dev 1.086

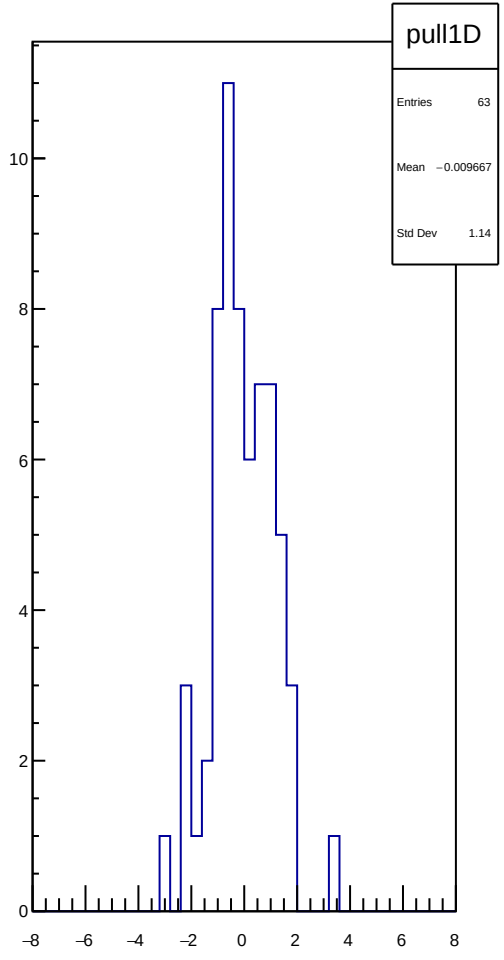

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.342e+04 / 62
p0 519.4 ± 0.4807
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

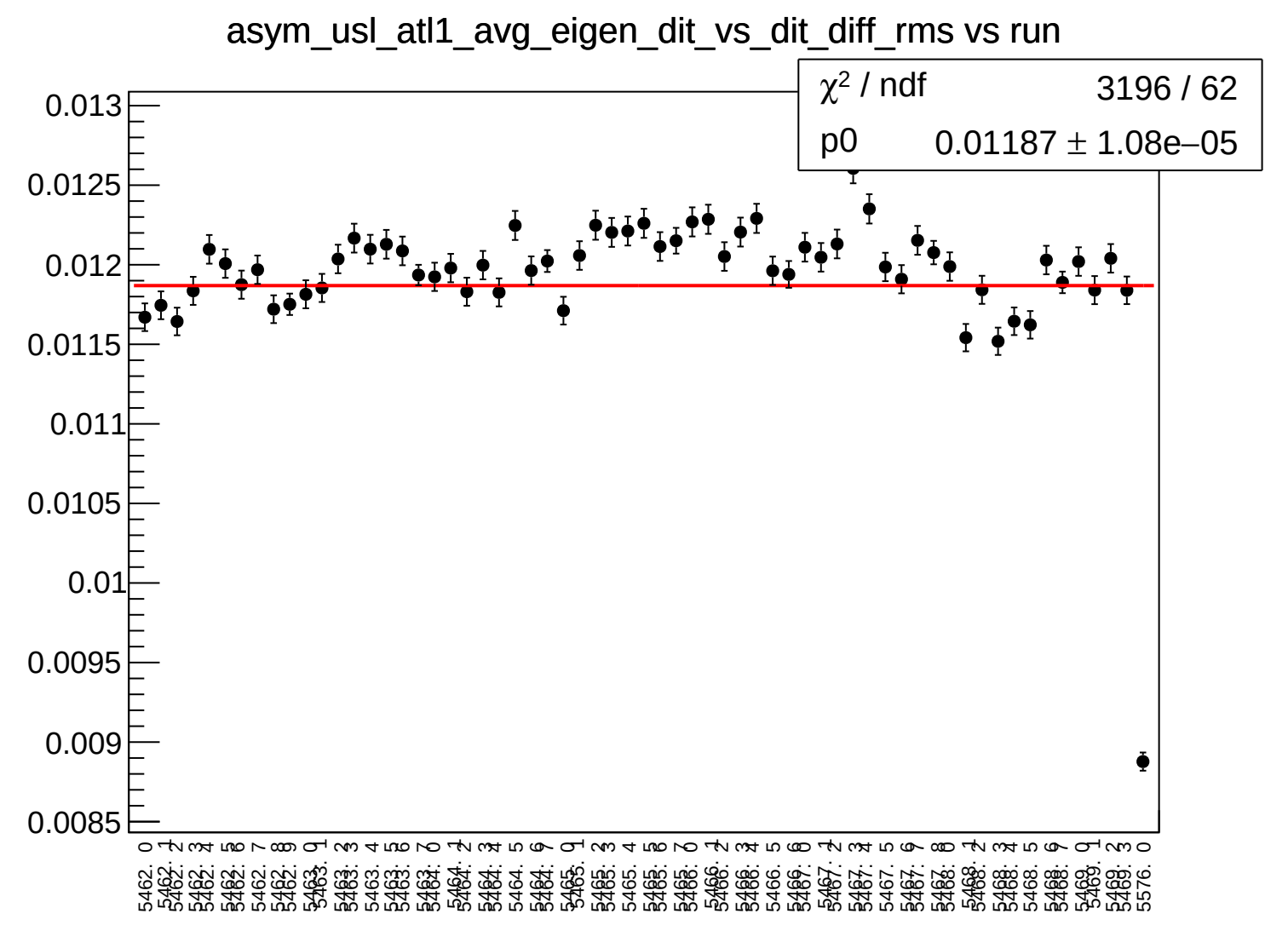

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.29 / 62
p0 −0.212 ± 0.6799
pull
Entries 63
Mean −1460
Std Dev 0

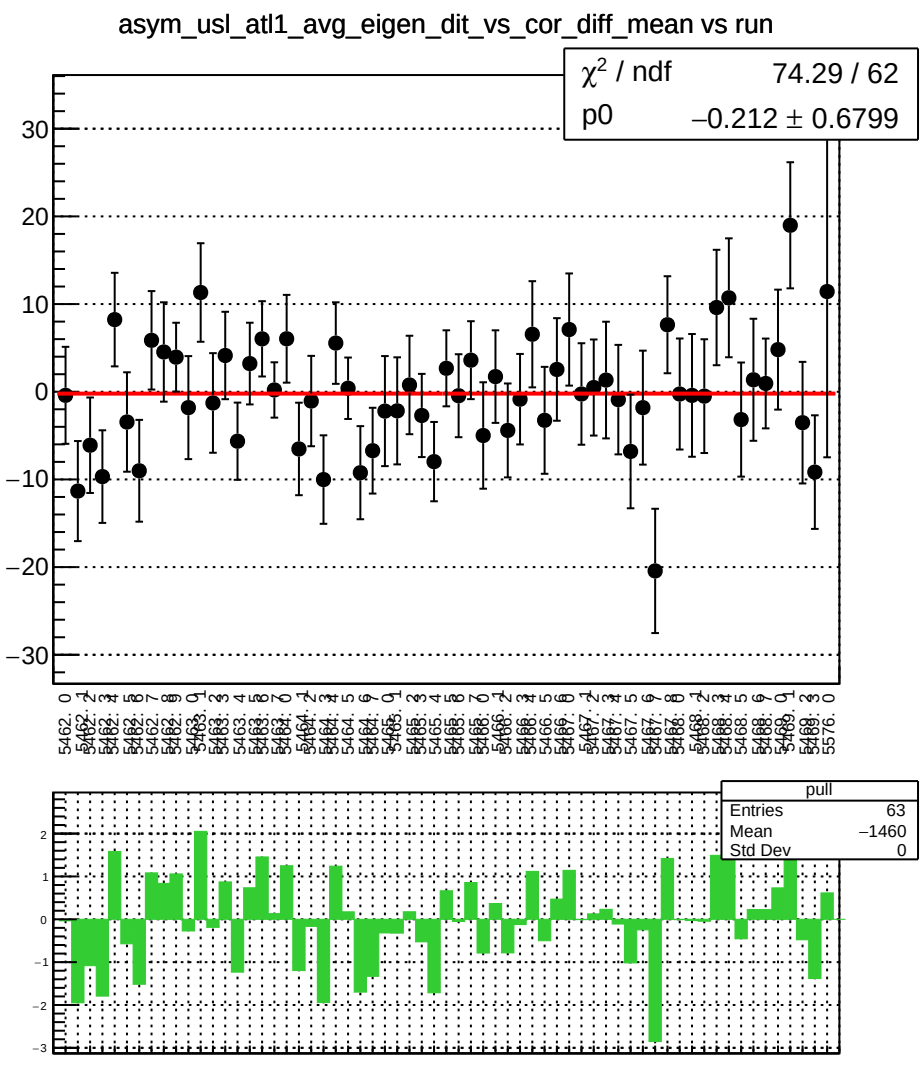

pull1D
Entries 63
Mean −0.001659
Std Dev 1.086

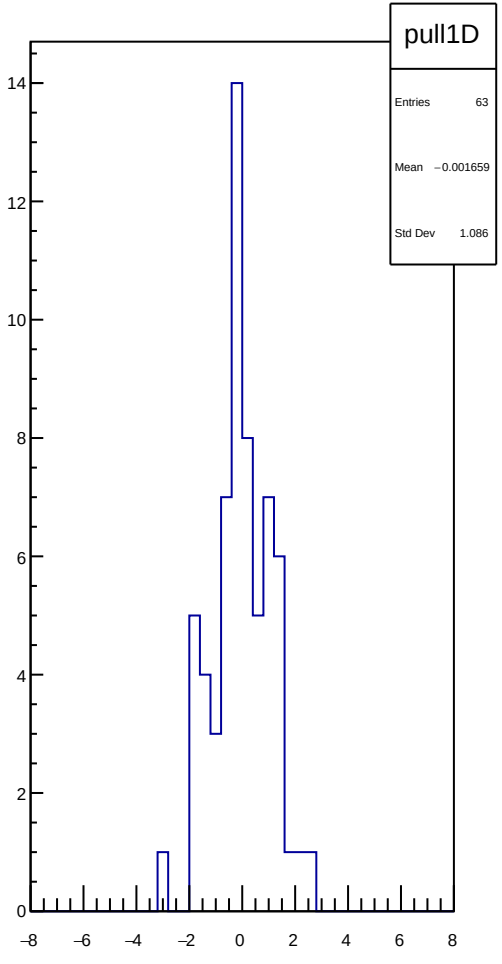

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.342e+04 / 62
p0 519.4 ± 0.4807
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

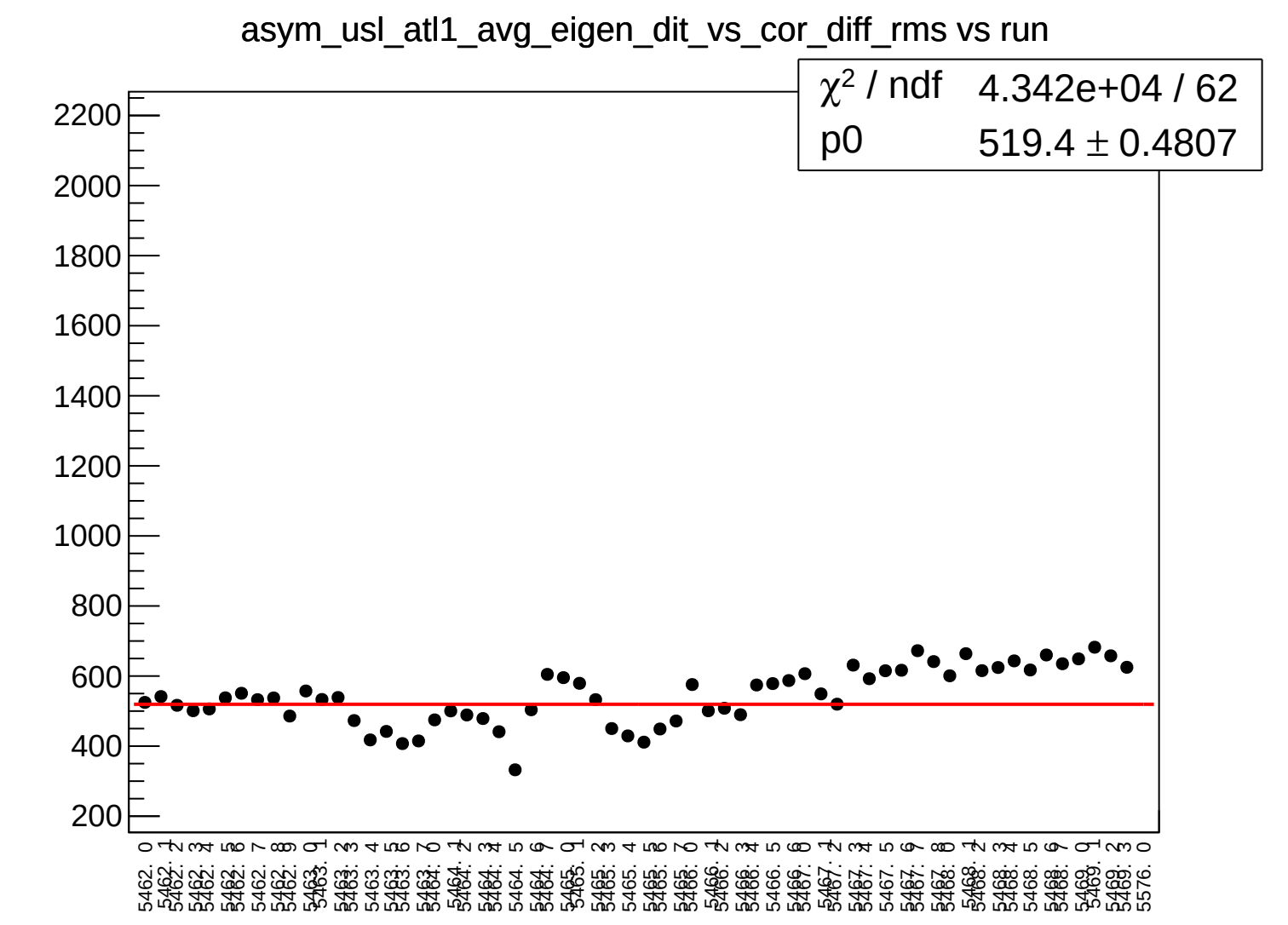

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.82 / 62
p0 −1.397e−06 ± 1.527e−05
pull
Entries 63
Mean 151.1
Std Dev 0

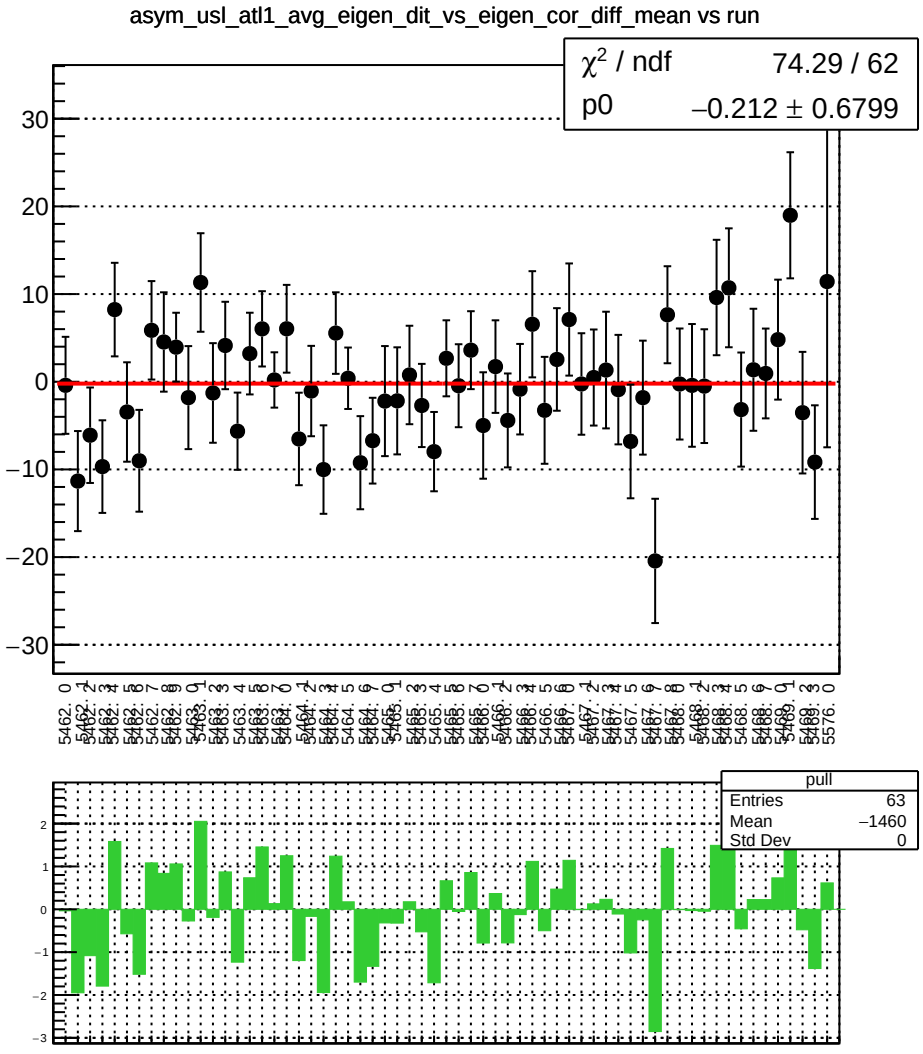

pull1D
Entries 63
Mean −0.009667
Std Dev 1.14

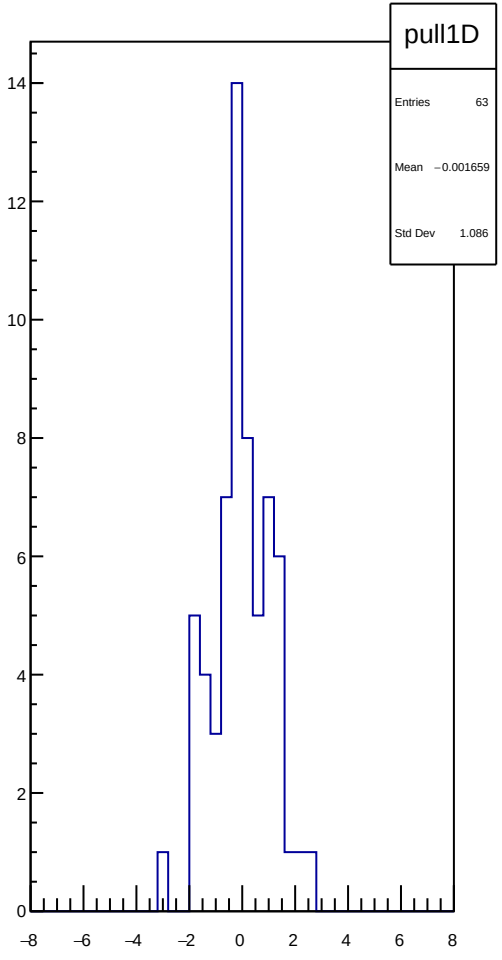

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3196 / 62
p0 0.01187 ± 1.08e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

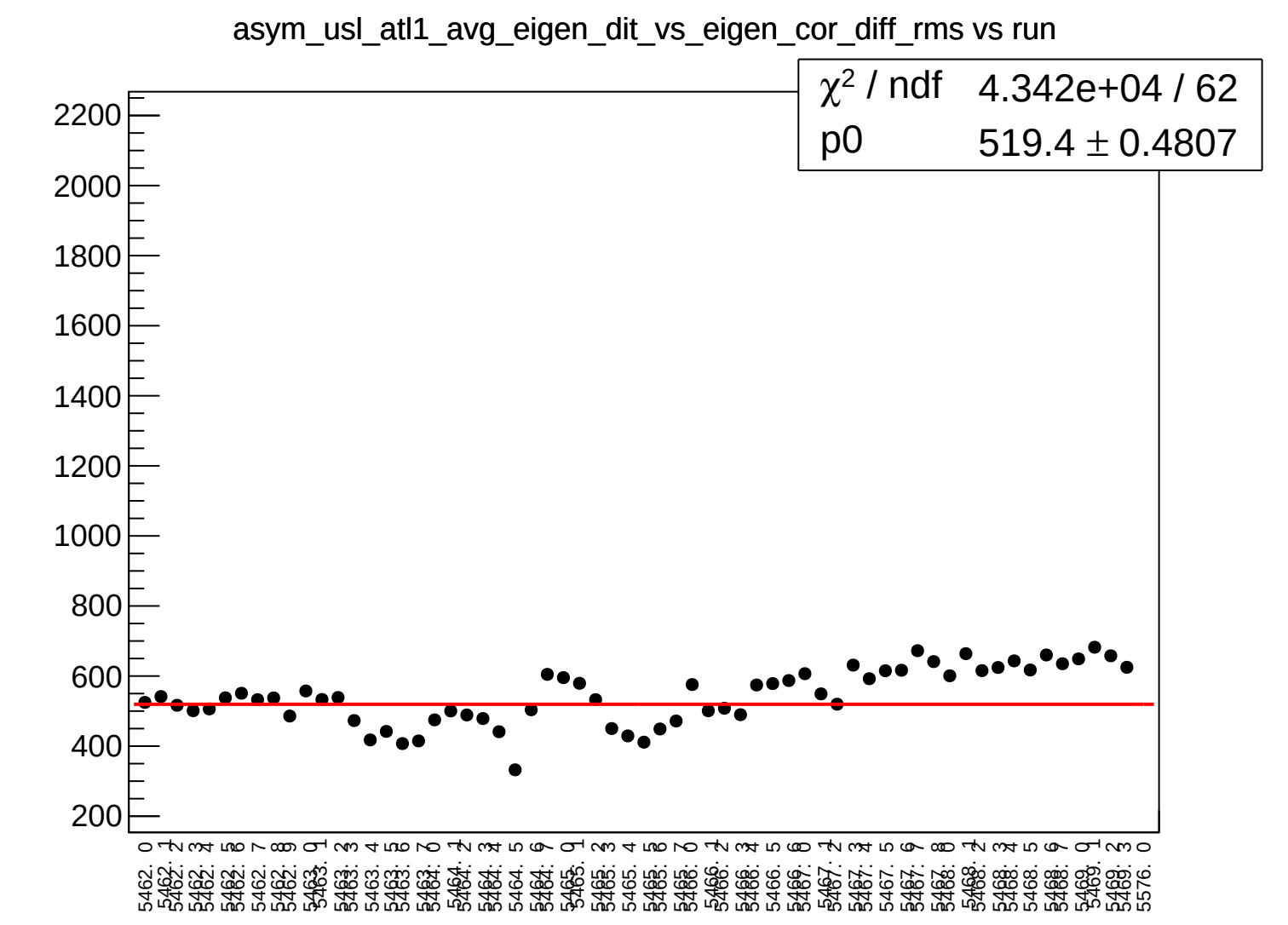

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.29 / 62
p0 −0.212 ± 0.6799
pull
Entries 63
Mean −1460
Std Dev 0

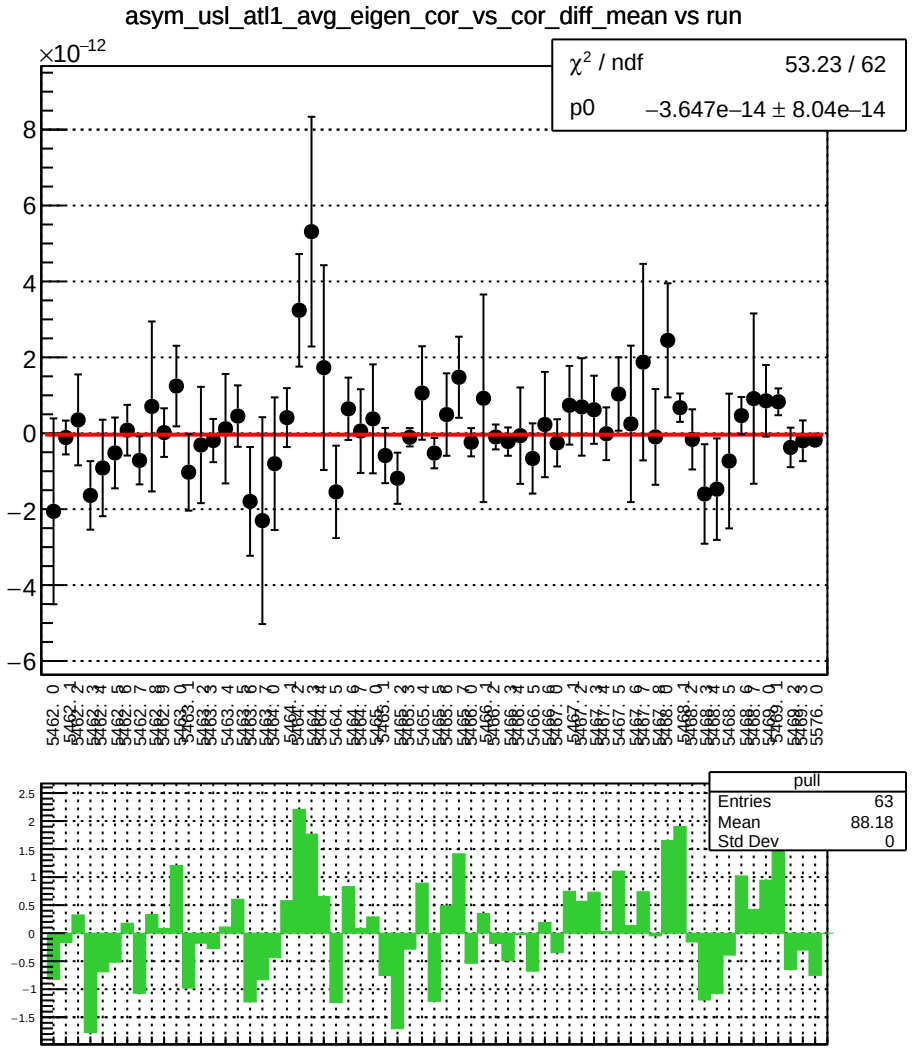

pull1D
Entries 63
Mean −0.001659
Std Dev 1.086

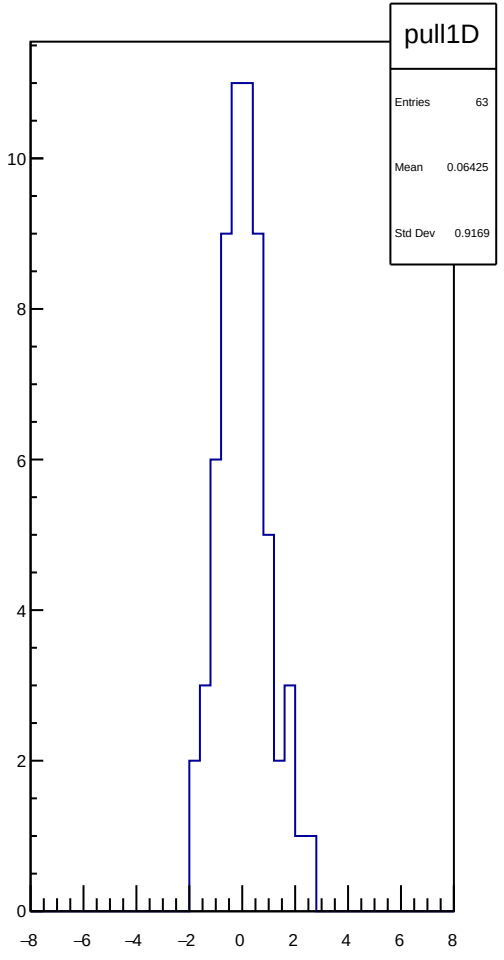

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.342e+04 / 62
p0 519.4 ± 0.4807
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

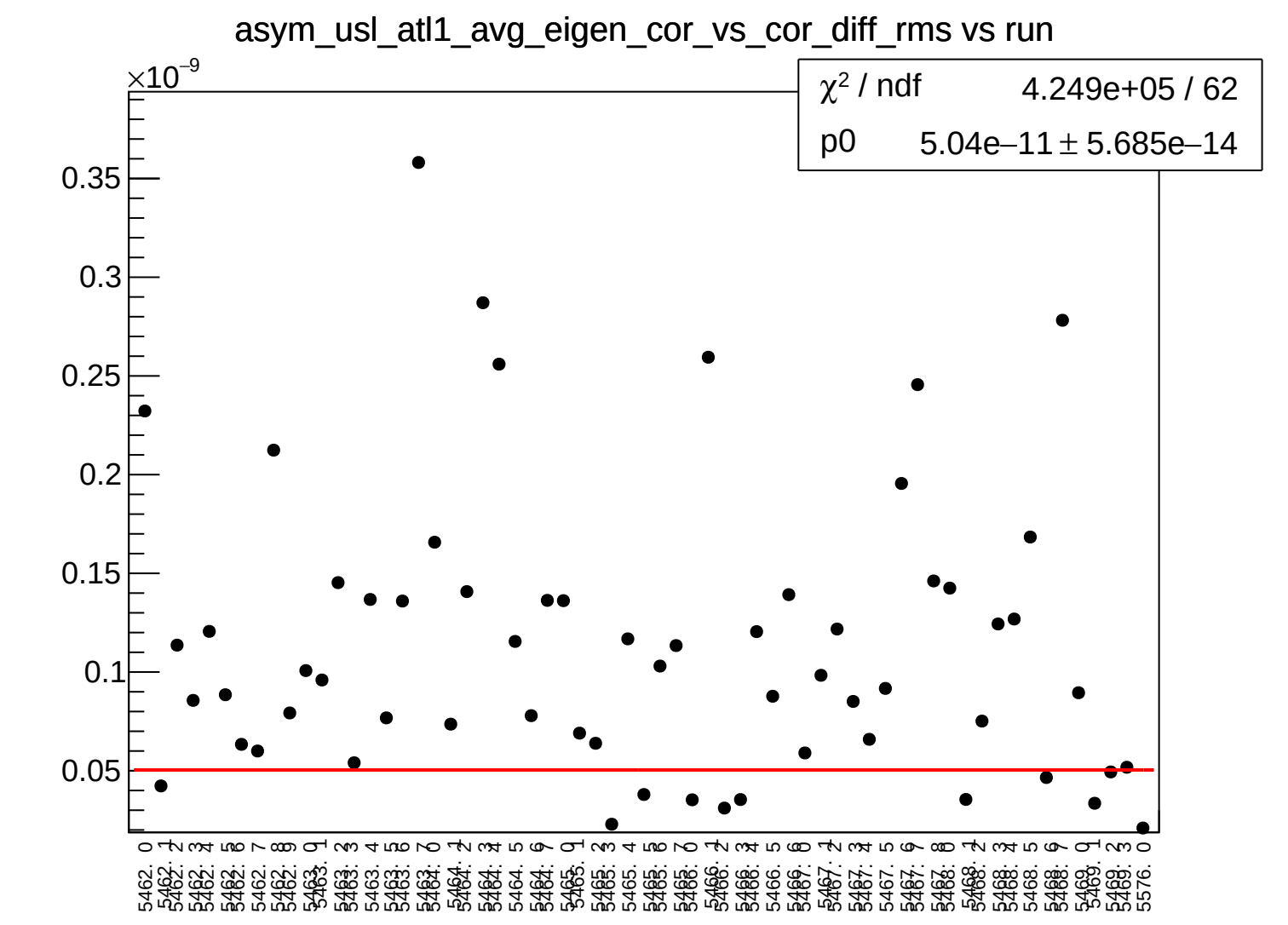

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.29 / 62
p0 −0.212 ± 0.6799
pull
Entries 63
Mean −1460
Std Dev 0

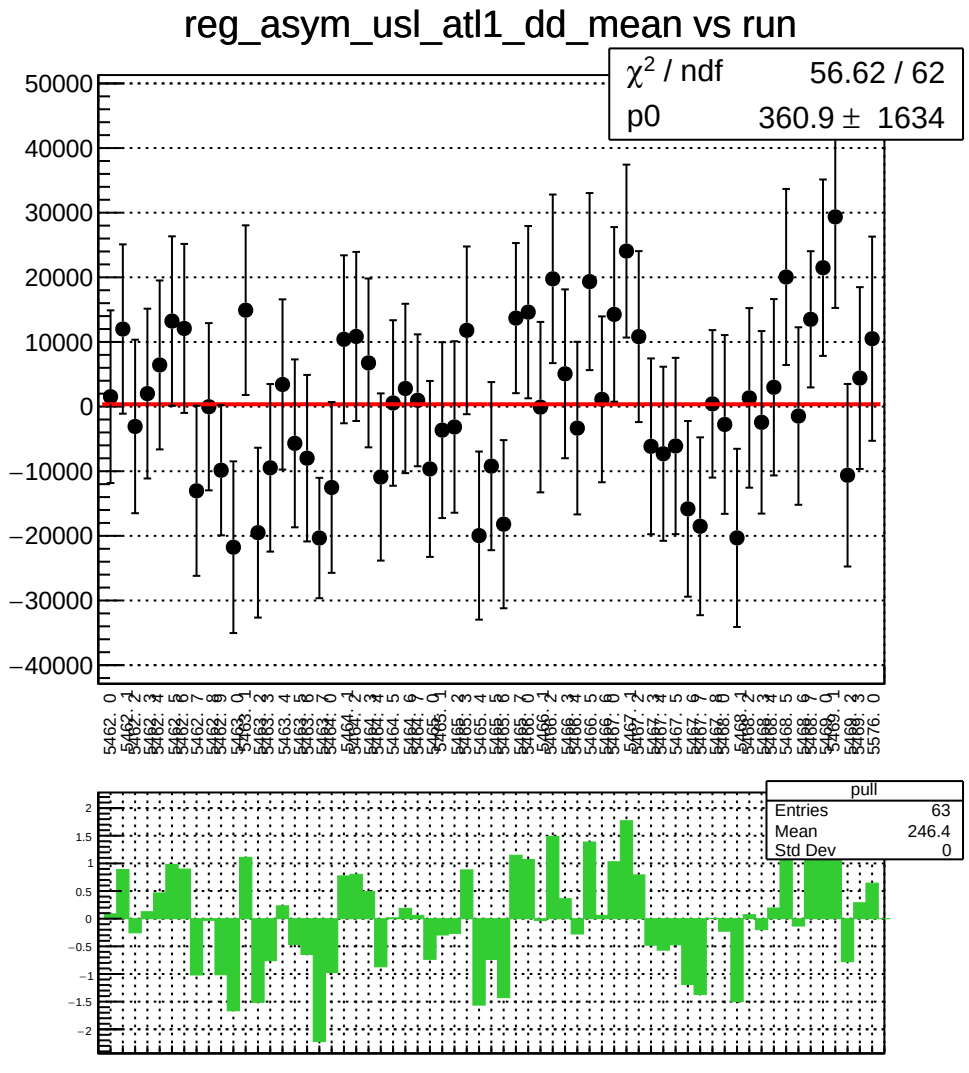

pull1D
Entries 63
Mean −0.001659
Std Dev 1.086

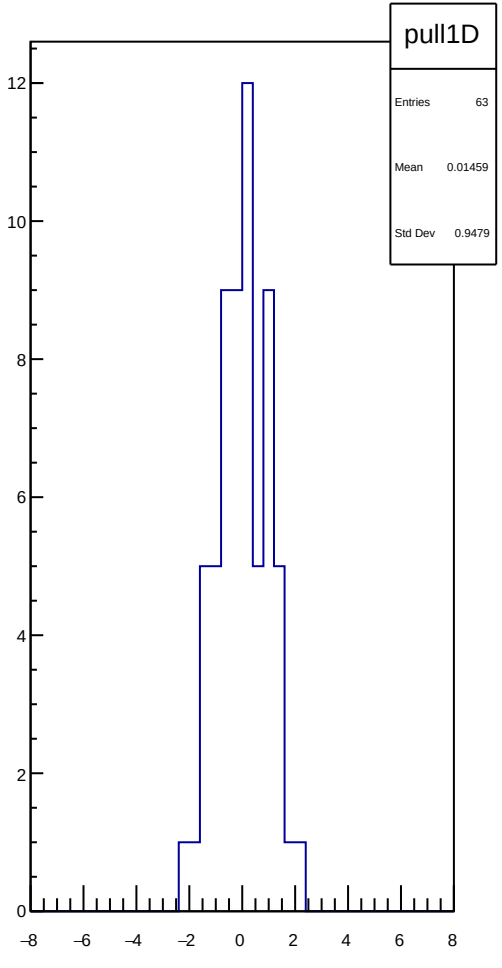

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.342e+04 / 62
p0 519.4 ± 0.4807
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

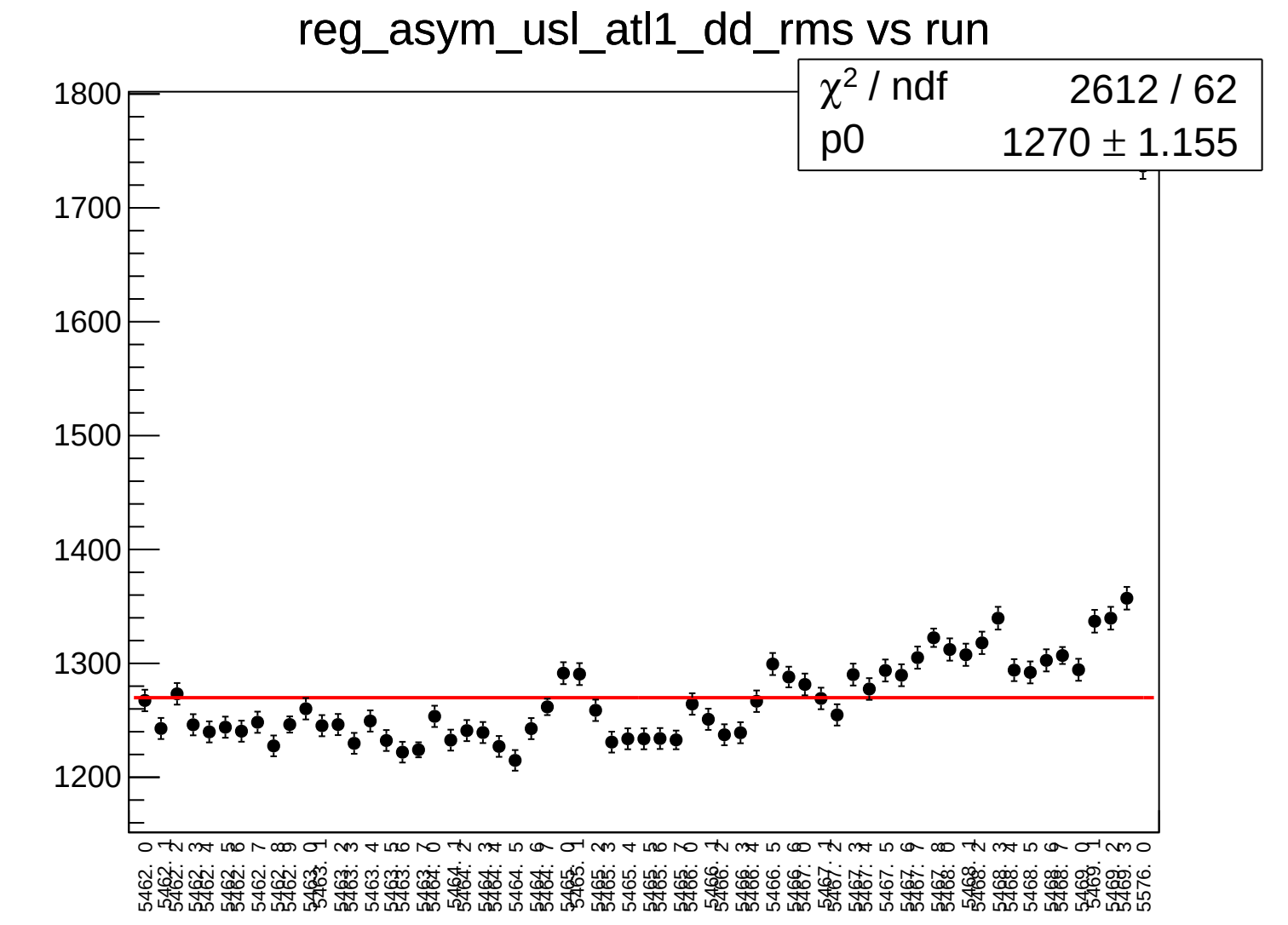

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 53.23 / 62
p0 −3.647e−14 ± 8.04e−14
pull
Entries 63
Mean 88.18
Std Dev 0

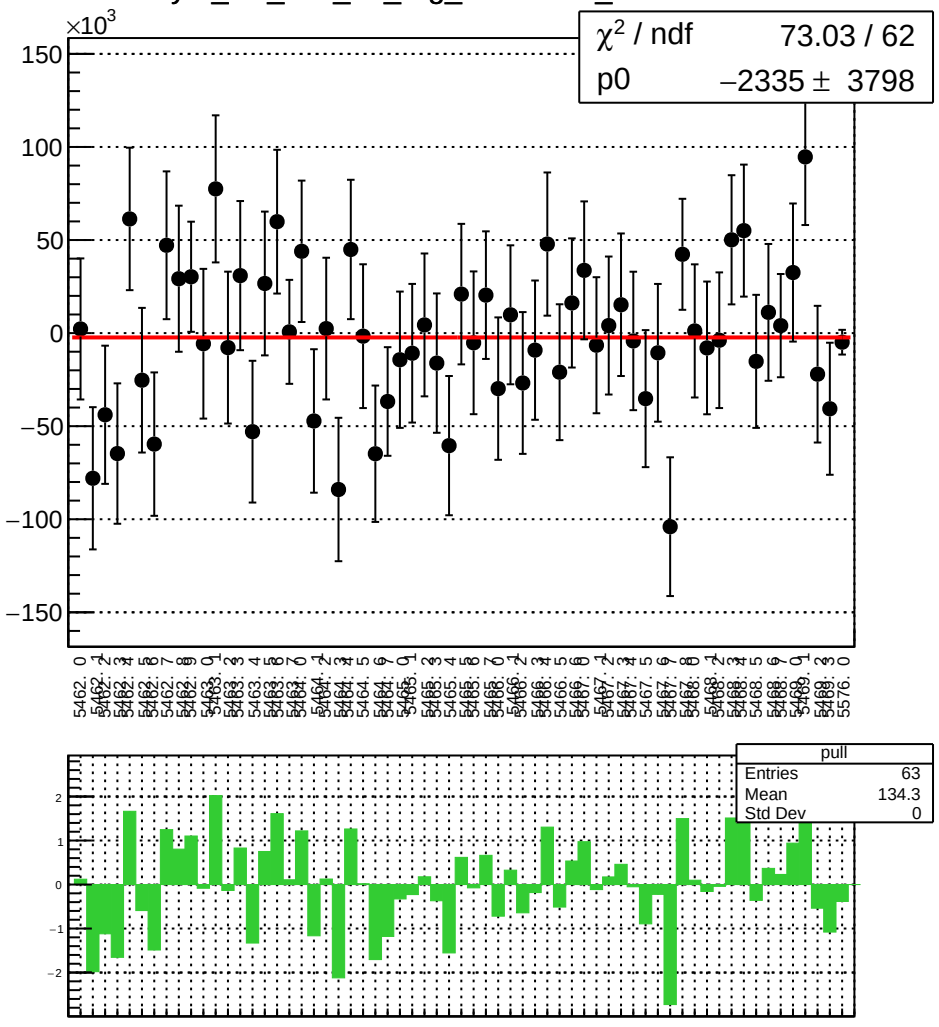

pull1D
Entries 63
Mean 0.06425
Std Dev 0.9169

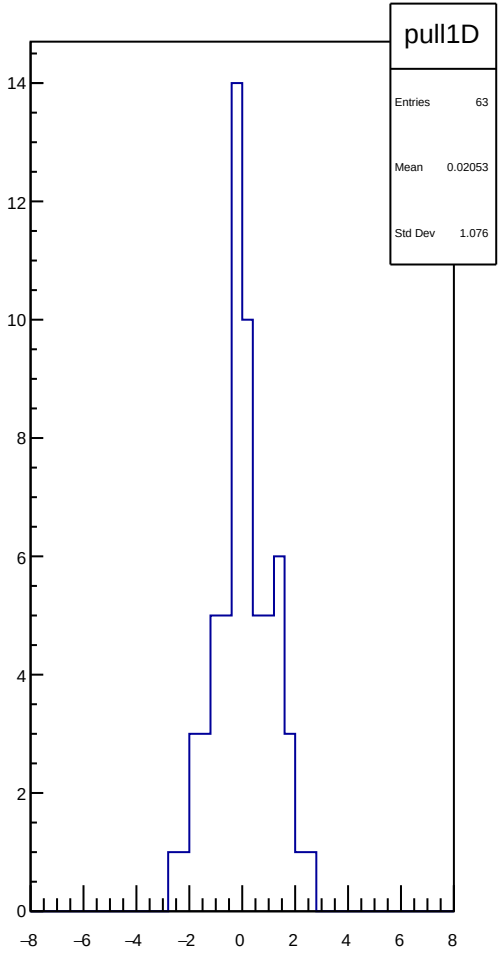

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.249e+05 / 62
p0 5.04e−11 ± 5.685e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

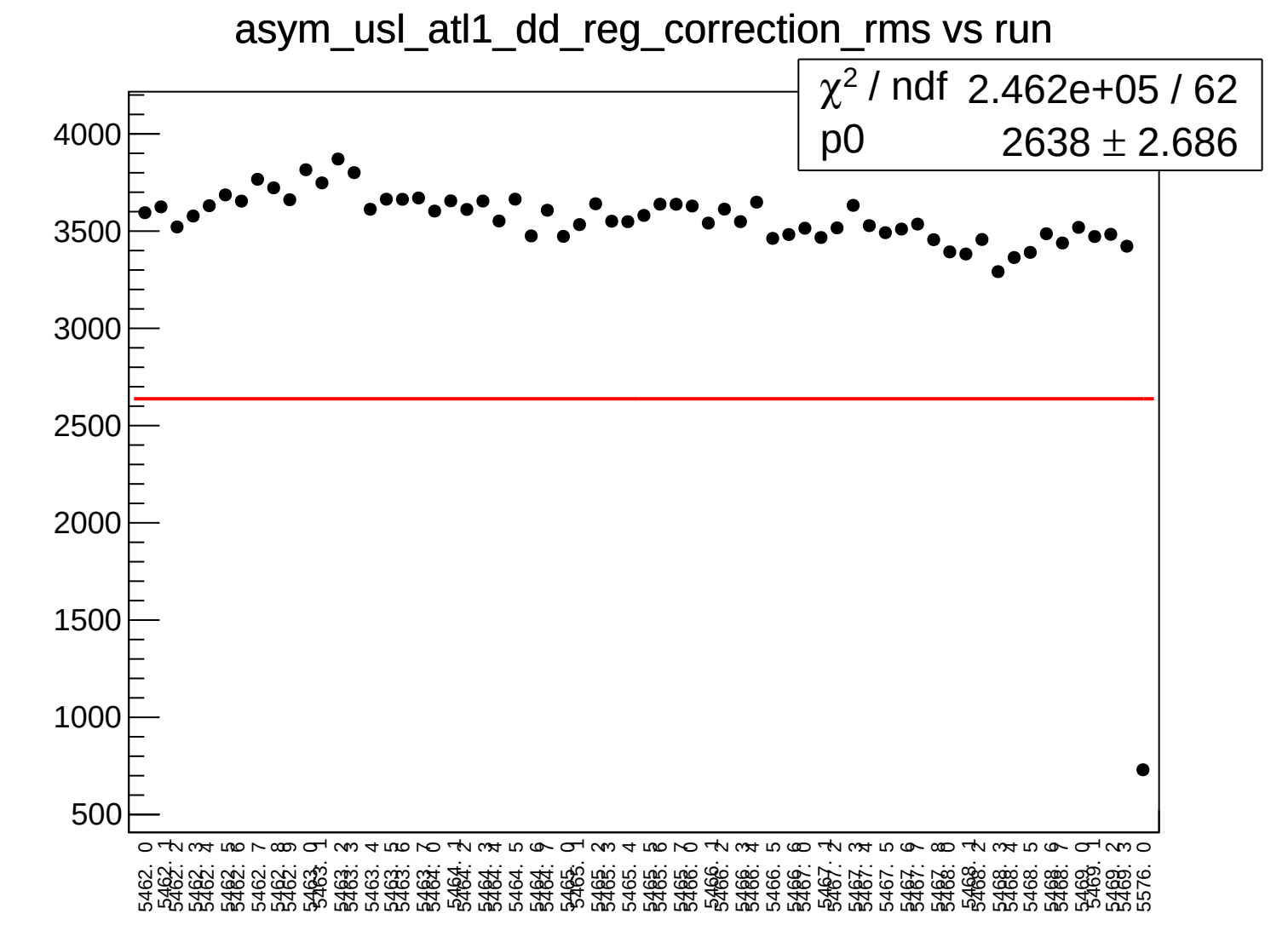

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.62 / 62
p0 360.9 ± 1634
pull
Entries 63
Mean 246.4
Std Dev 0

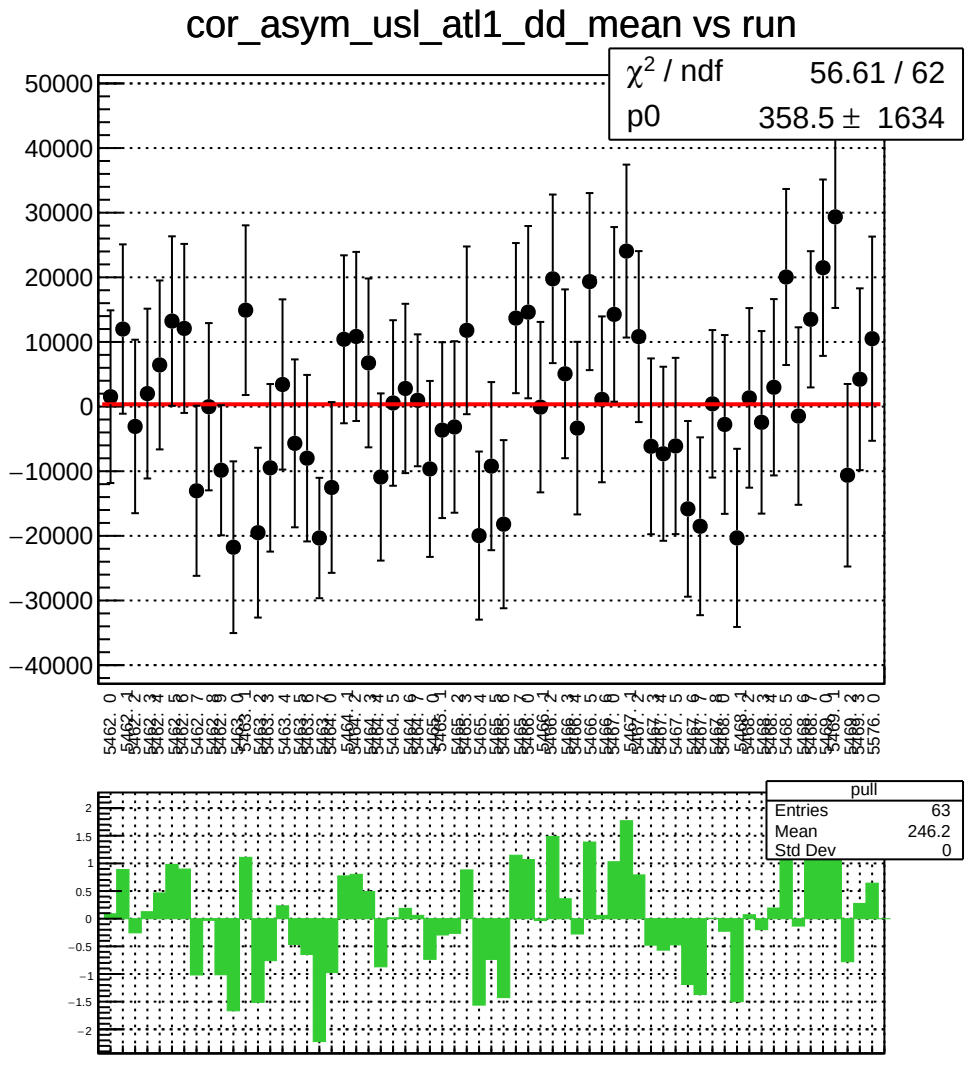

pull1D
Entries 63
Mean 0.01459
Std Dev 0.9479

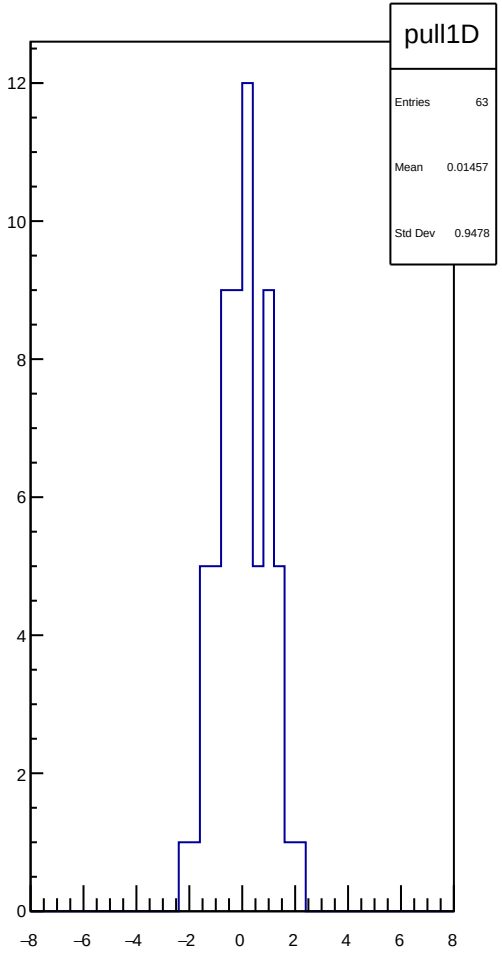

reg_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 2612 / 62
p0 1270 ± 1.155
1800
1700
1600
1500
1400
1300
1200

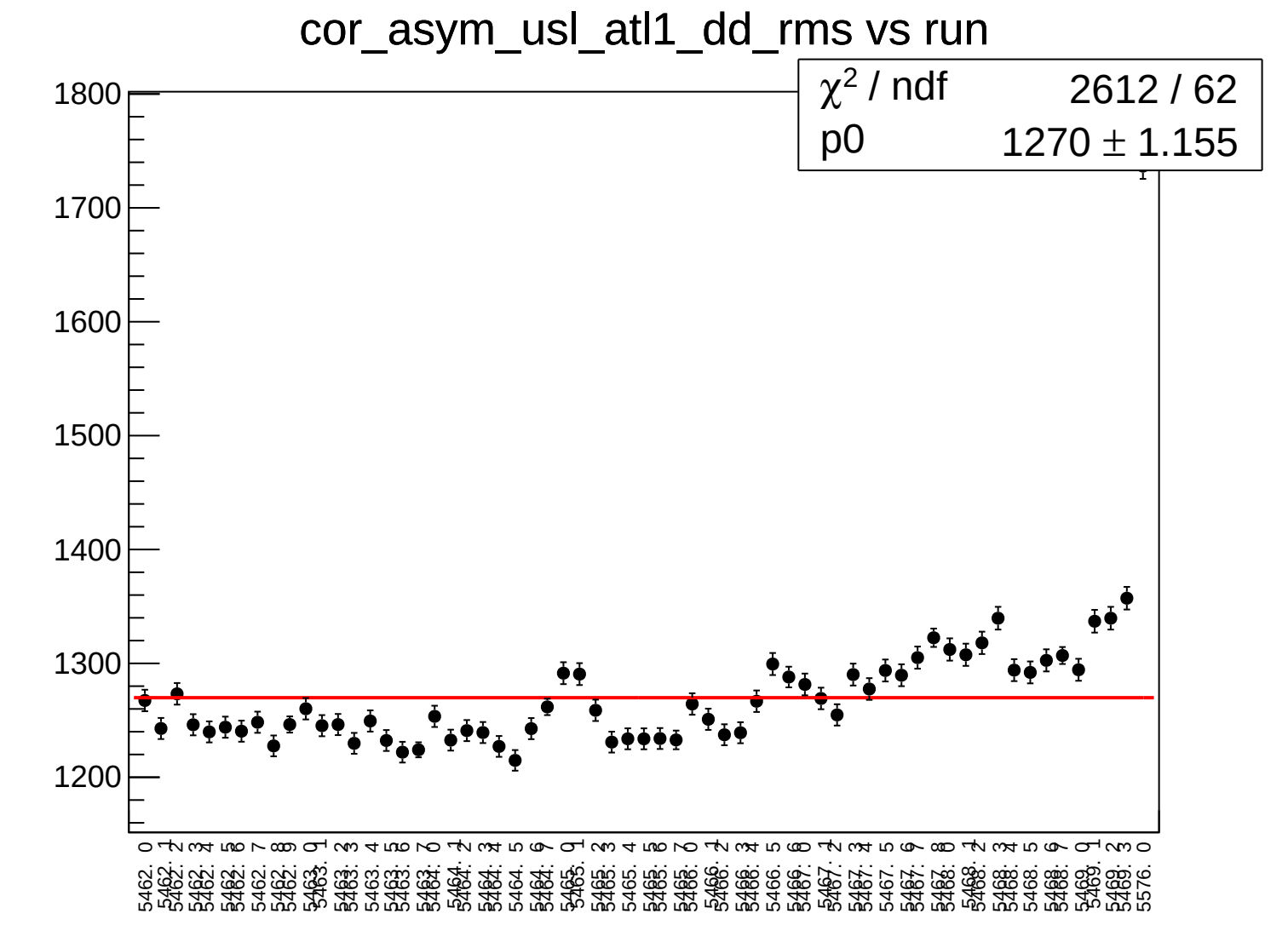

asym_usl_atl1_dd_reg_correction_mean vs run
×10^3
χ² / ndf 73.03 / 62
p0 −2335 ± 3798
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 134.3
Std Dev 0
2
1
0
−1
−2

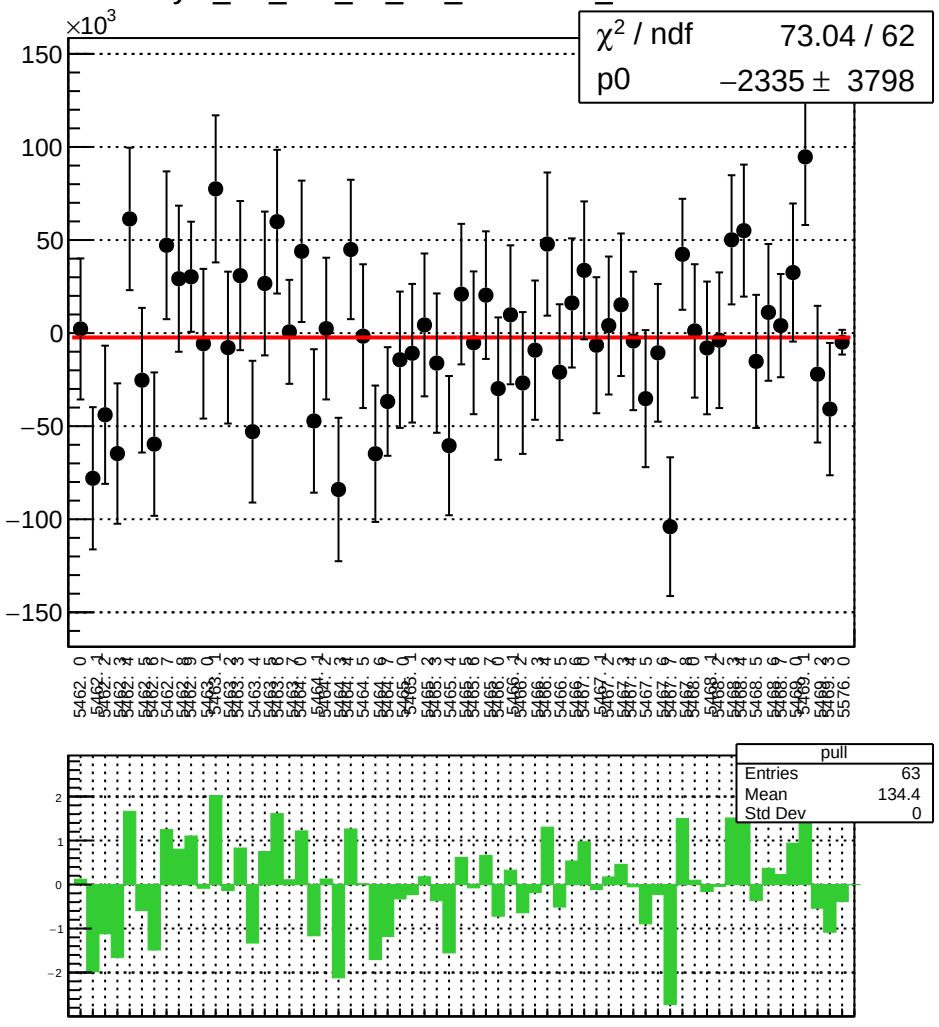

pull1D
Entries 63
Mean 0.02053
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

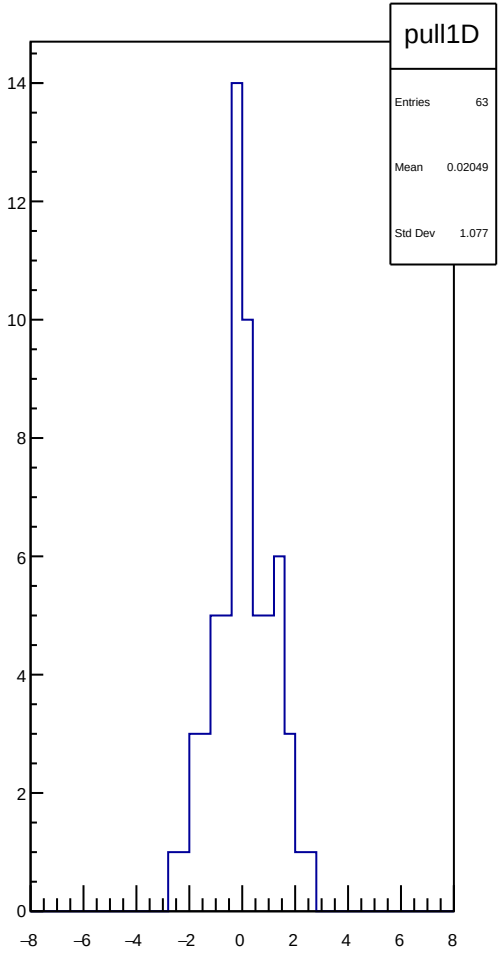

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 2.462e+05 / 62
p0 2638 ± 2.686
4000
3500
3000
2500
2000
1500
1000
500

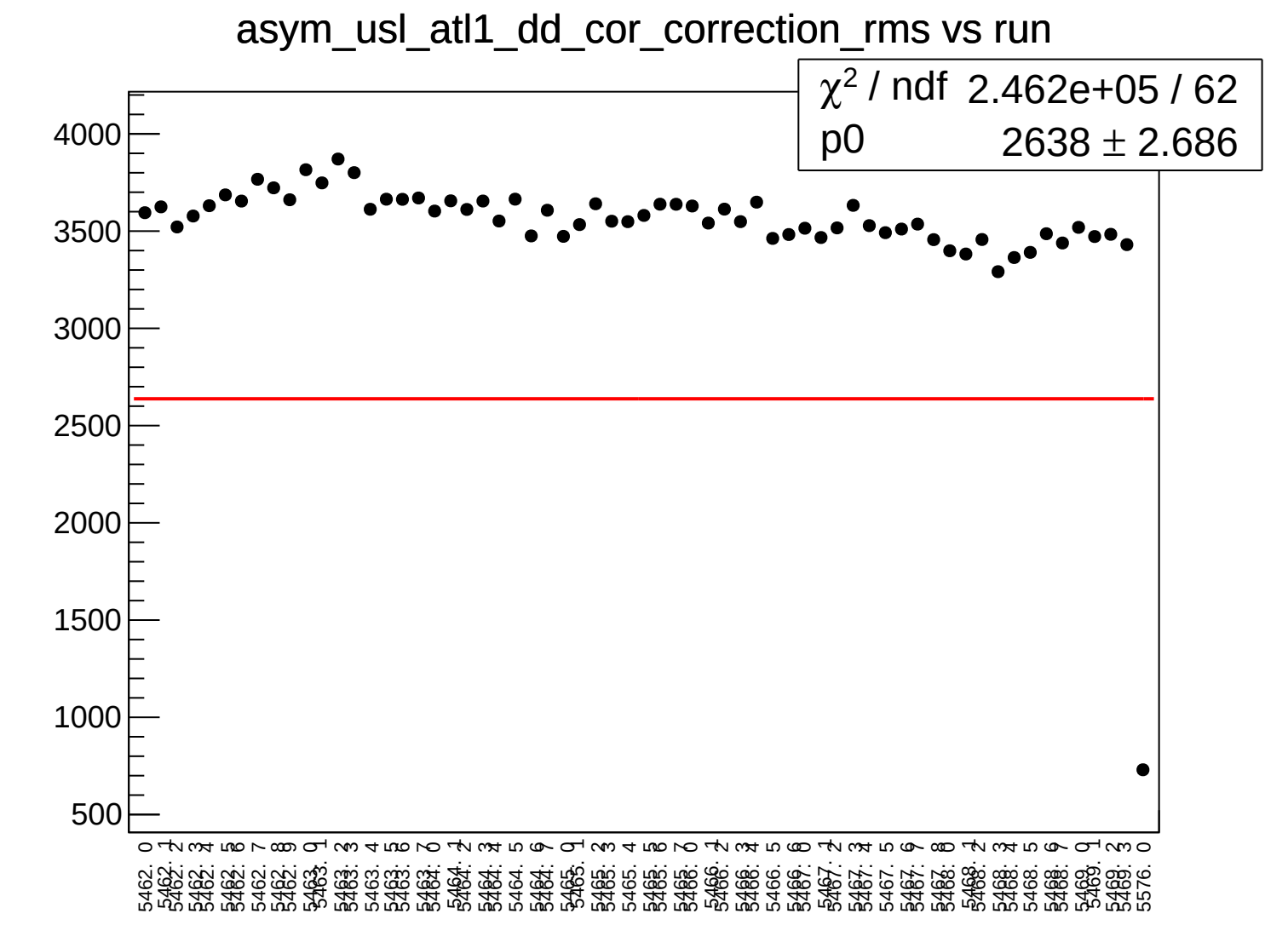

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.61 / 62
p0 358.5 ± 1634
pull
Entries 63
Mean 246.2
Std Dev 0

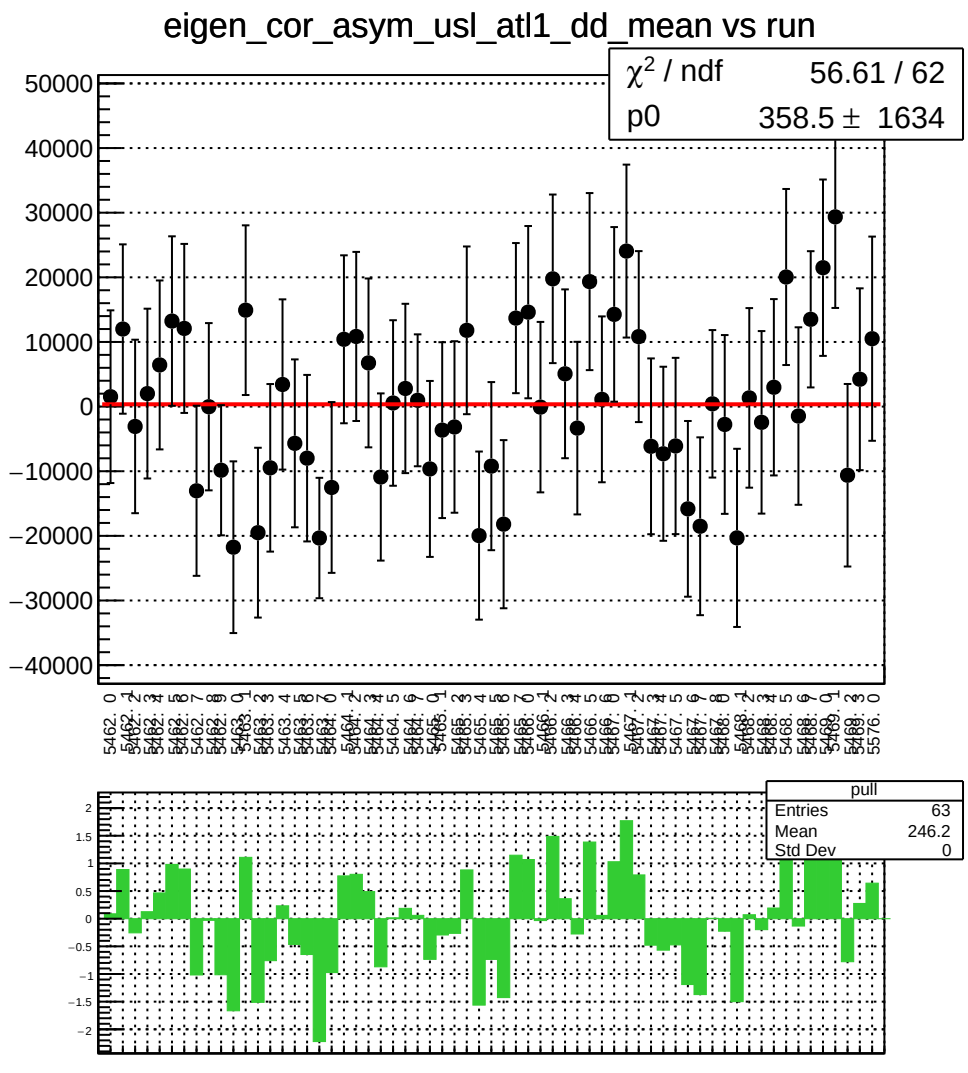

pull1D
Entries 63
Mean 0.01457
Std Dev 0.9478

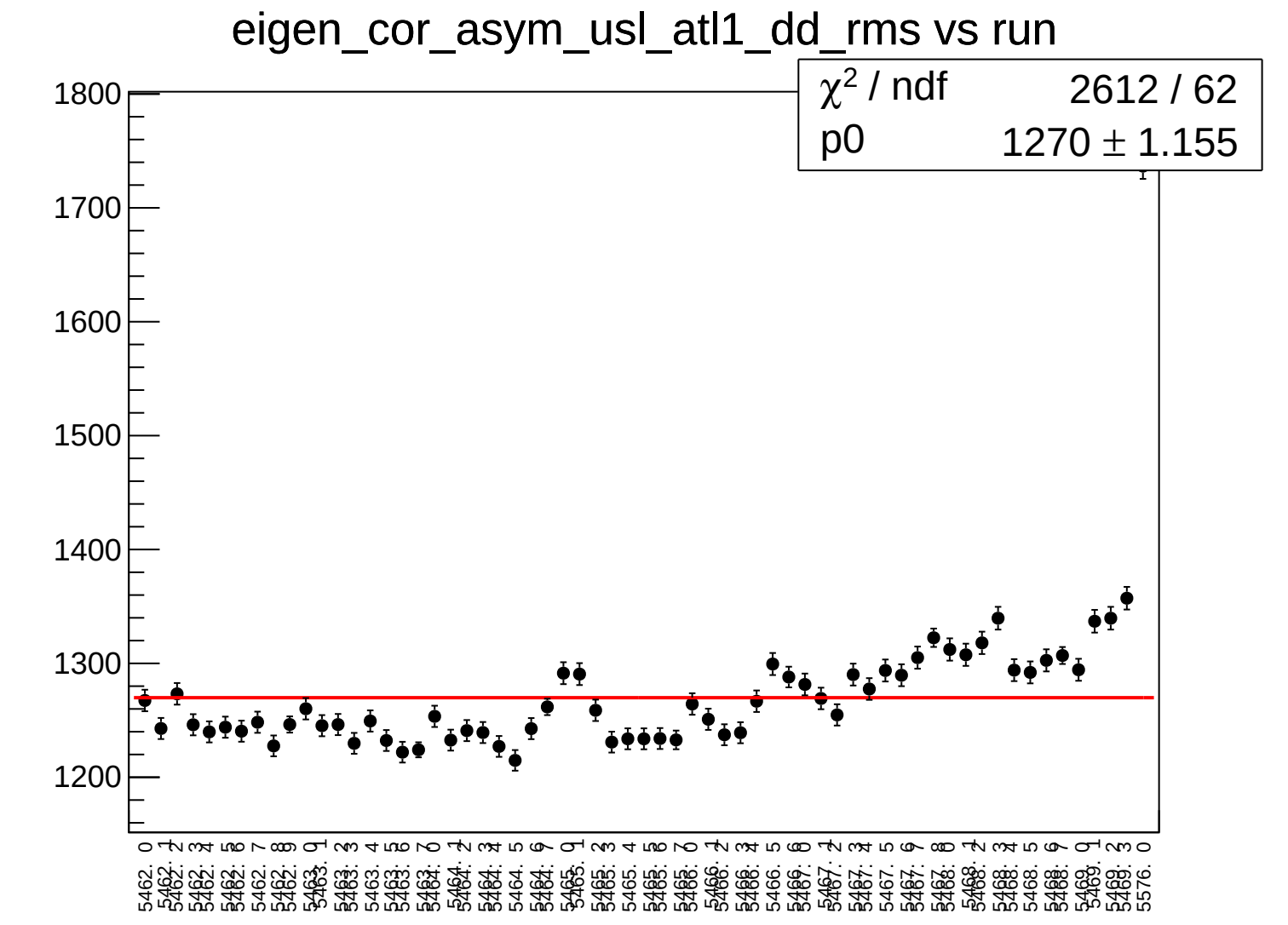

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 2612 / 62
p0 1270 ± 1.155
1800
1700
1600
1500
1400
1300
1200

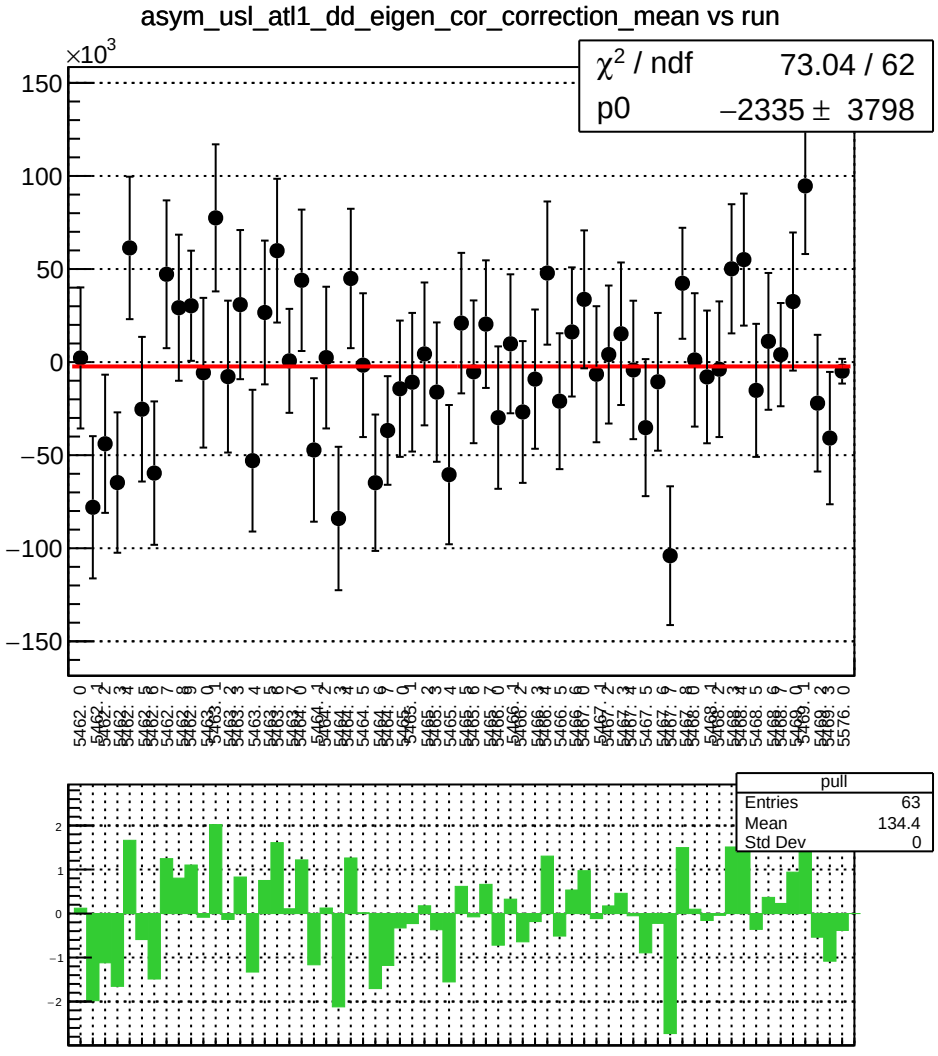

asym_usl_atl1_dd_cor_correction_mean vs run
×10^3
χ² / ndf 73.04 / 62
p0 −2335 ± 3798
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 134.4
Std Dev 0
2
1
0
−1
−2

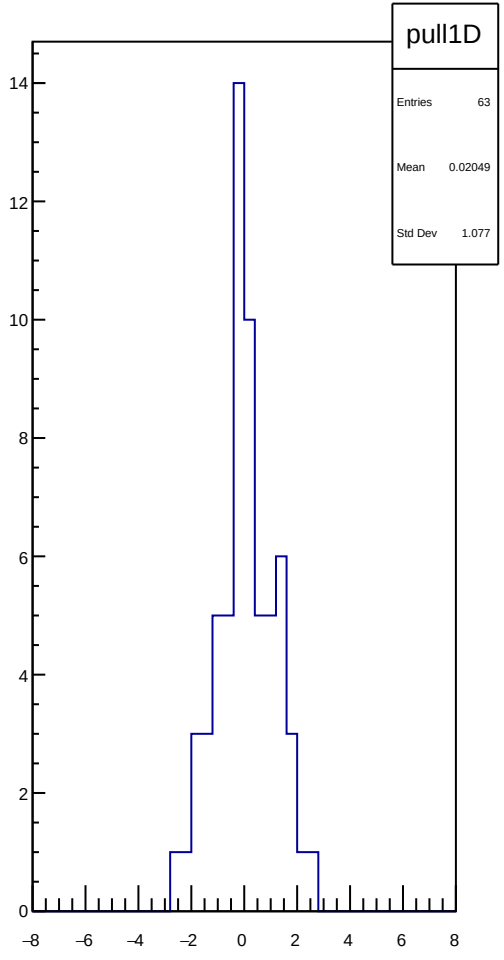

pull1D
Entries 63
Mean 0.02049
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

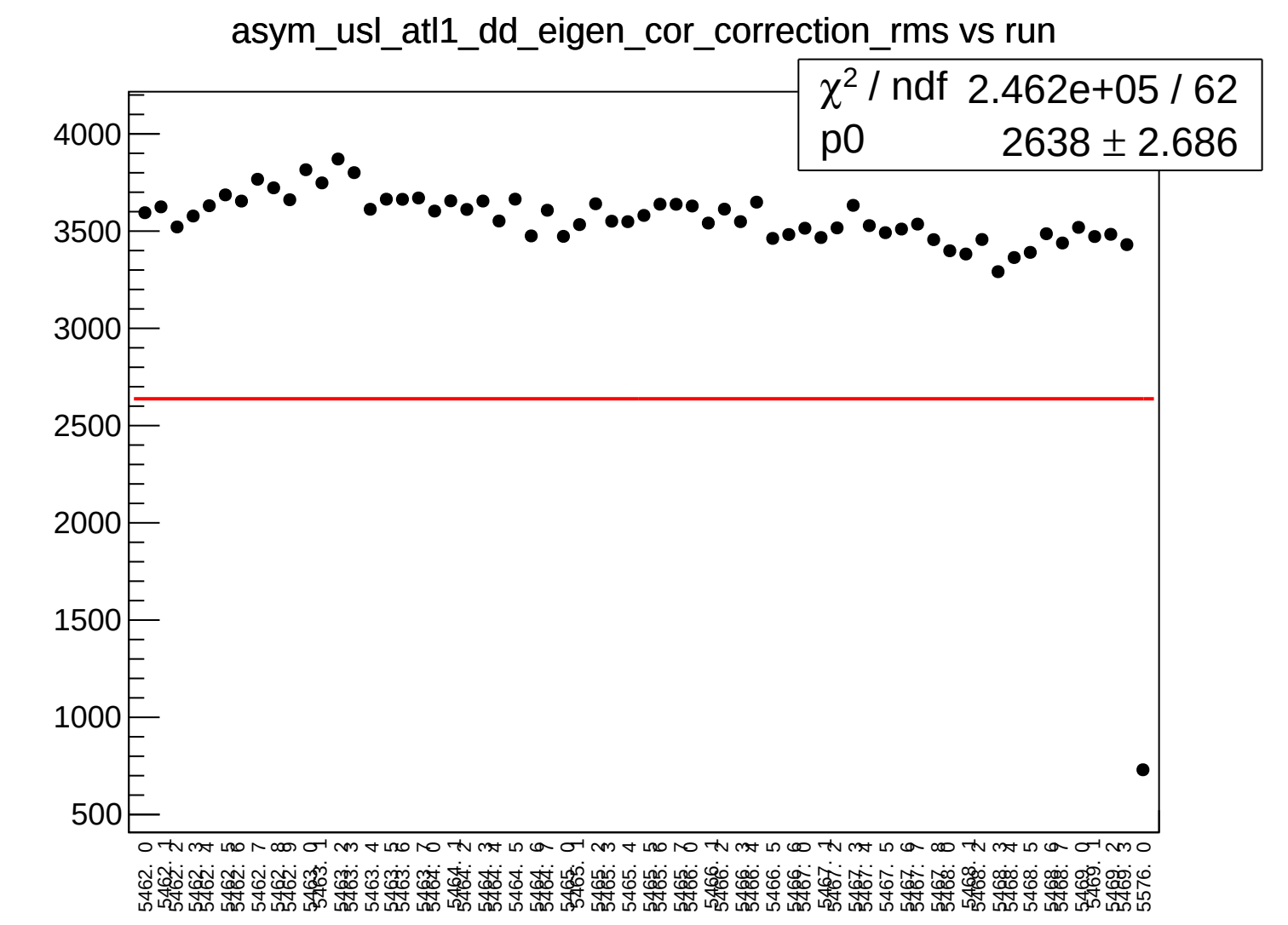

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 2.462e+05 / 62
p0 2638 ± 2.686
4000
3500
3000
2500
2000
1500
1000
500

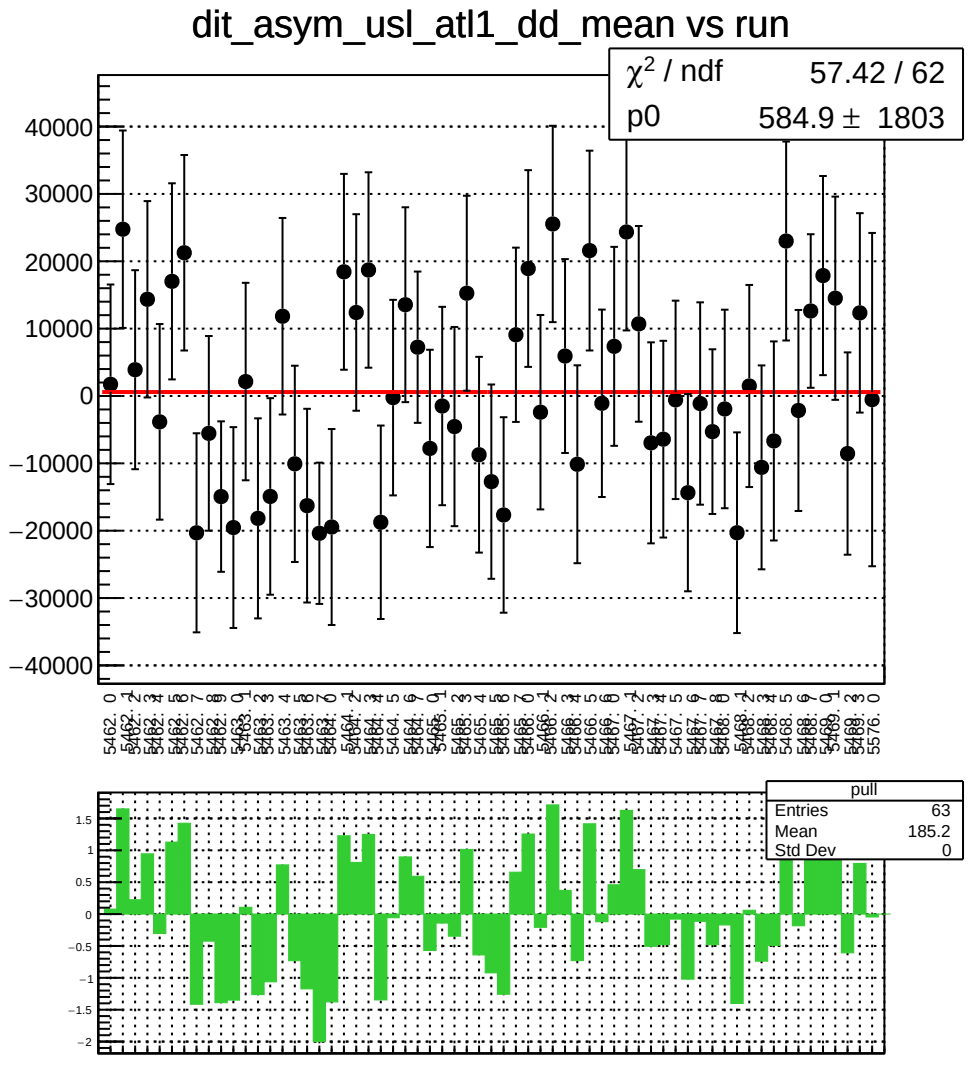

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.61 / 62
p0 358.5 ± 1634
pull
Entries 63
Mean 246.2
Std Dev 0
pull1D
Entries 63
Mean 0.01457
Std Dev 0.9478

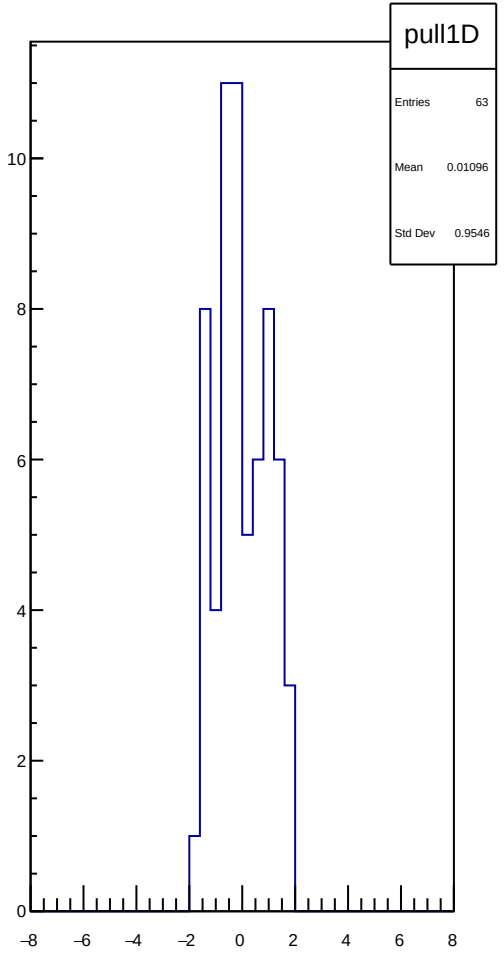

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 2612 / 62
p0 1270 ± 1.155
1800
1700
1600
1500
1400
1300
1200

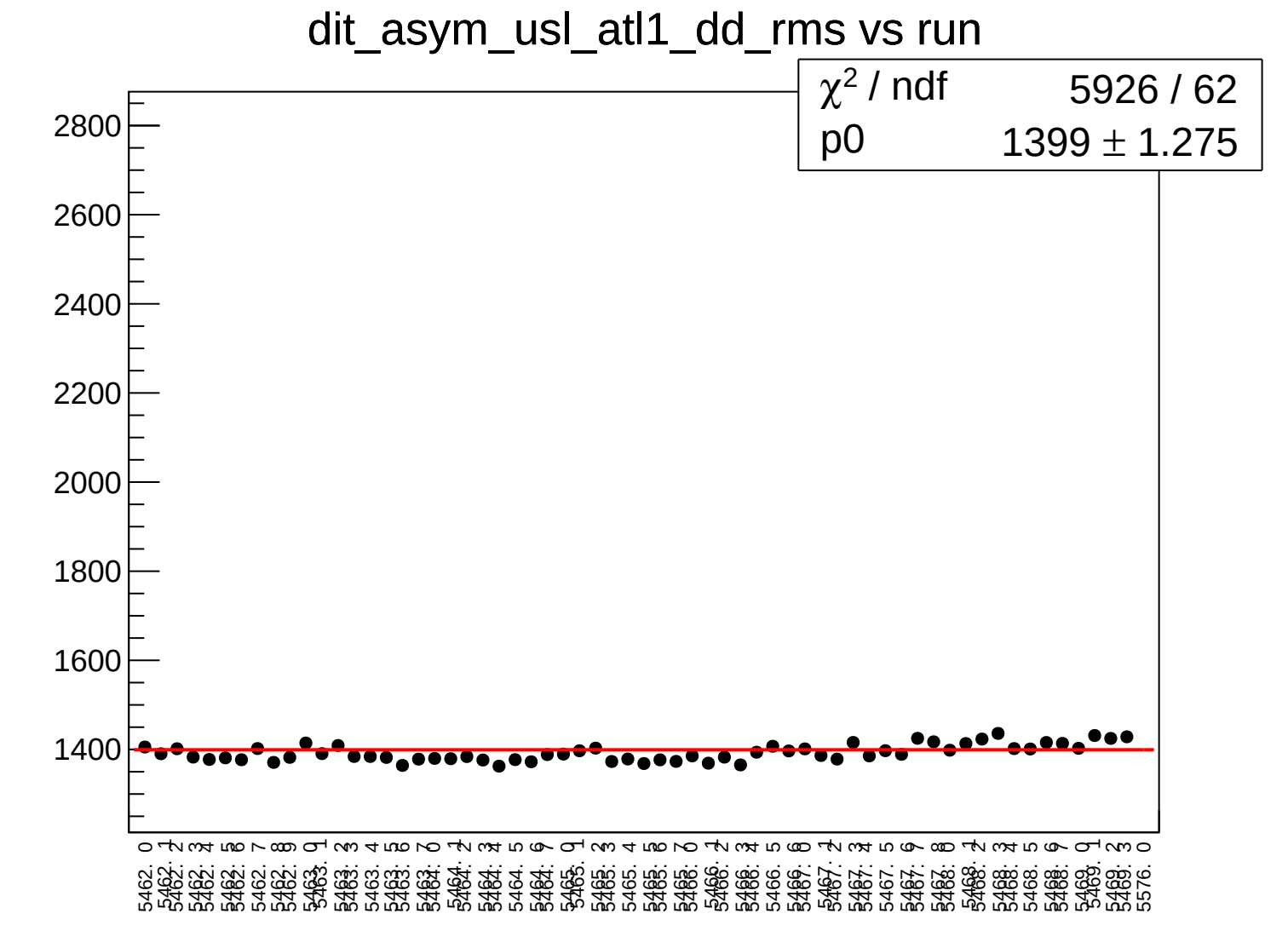

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 73.04 / 62
p0 −2335 ± 3798
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 134.4
Std Dev 0
2
1
0
−1
−2

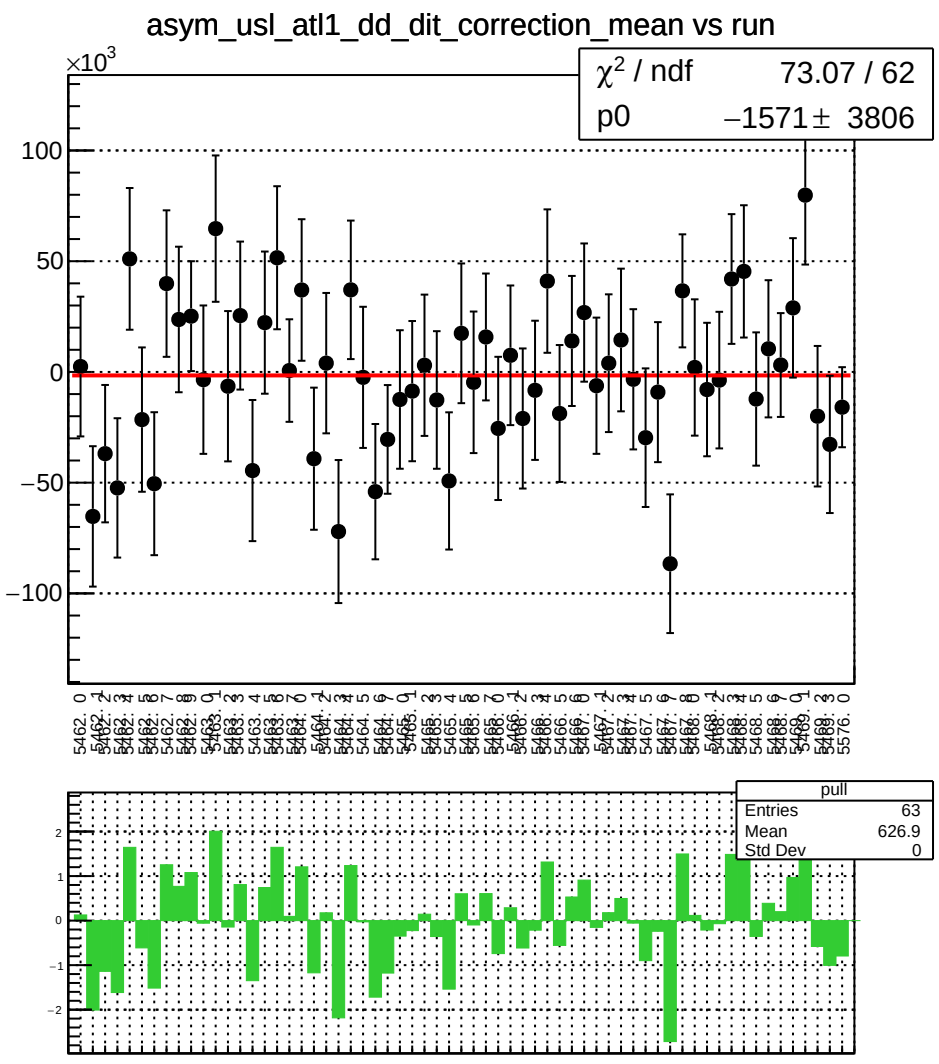

pull1D
Entries 63
Mean 0.02049
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

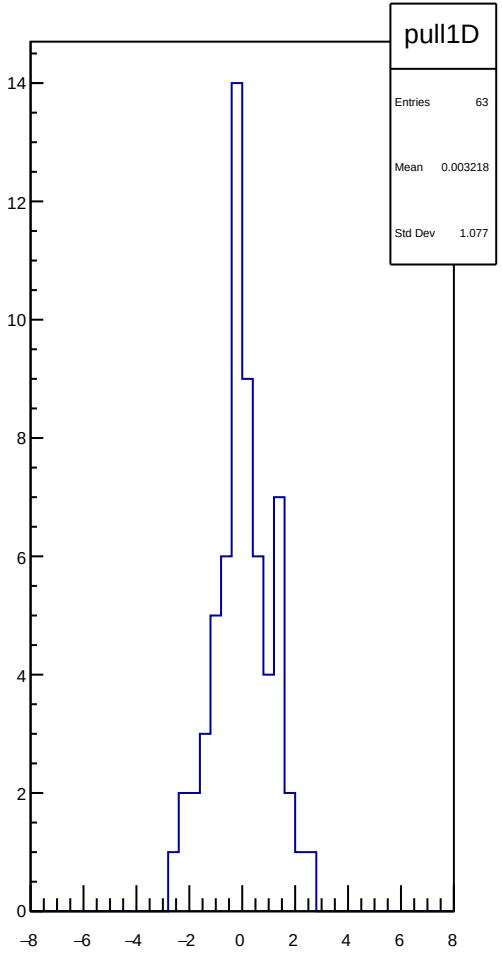

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.462e+05 / 62
p0 2638 ± 2.686
4000
3500
3000
2500
2000
1500
1000
500

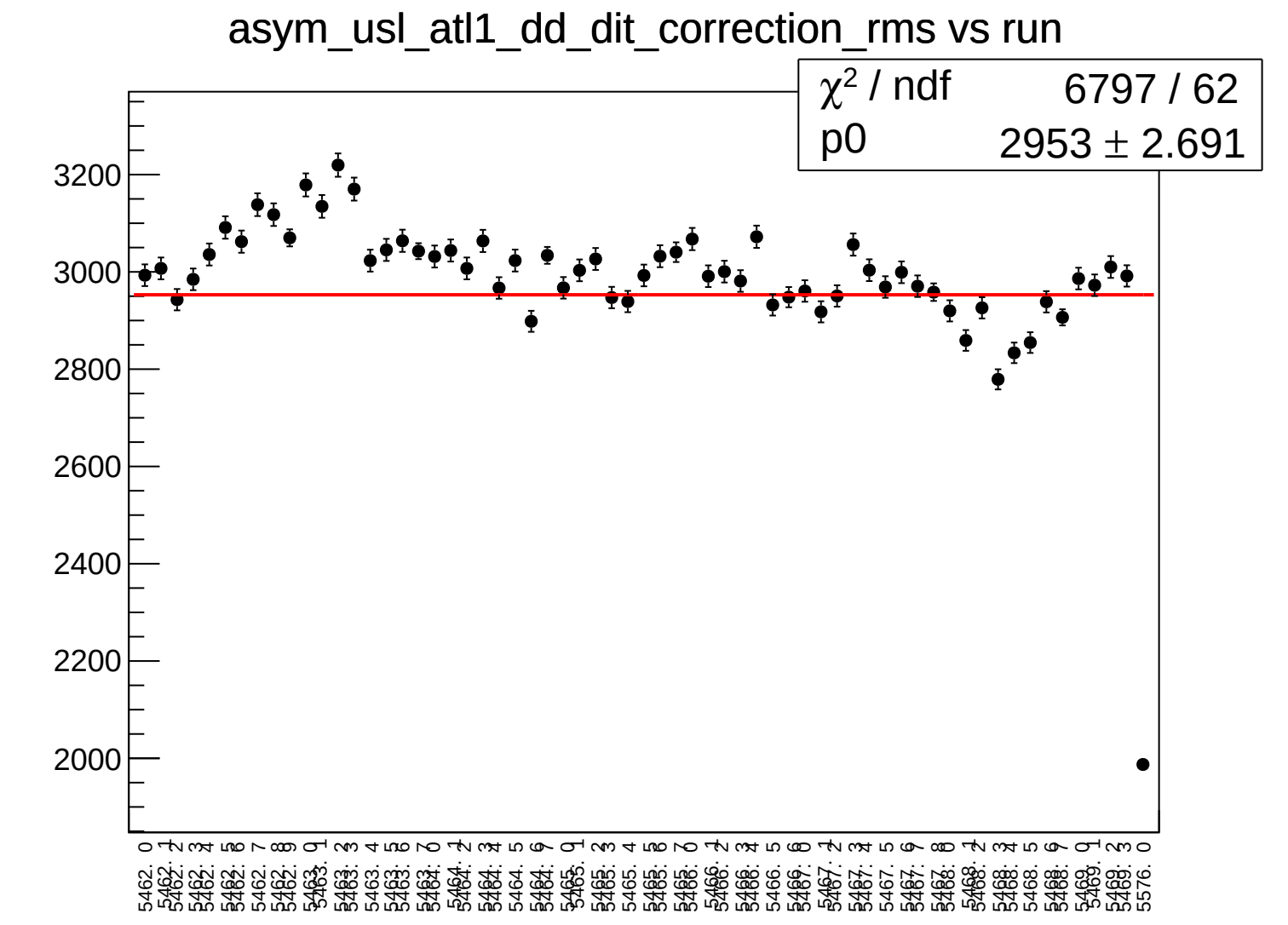

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 57.42 / 62
p0 584.9 ± 1803
pull
Entries 63
Mean 185.2
Std Dev 0

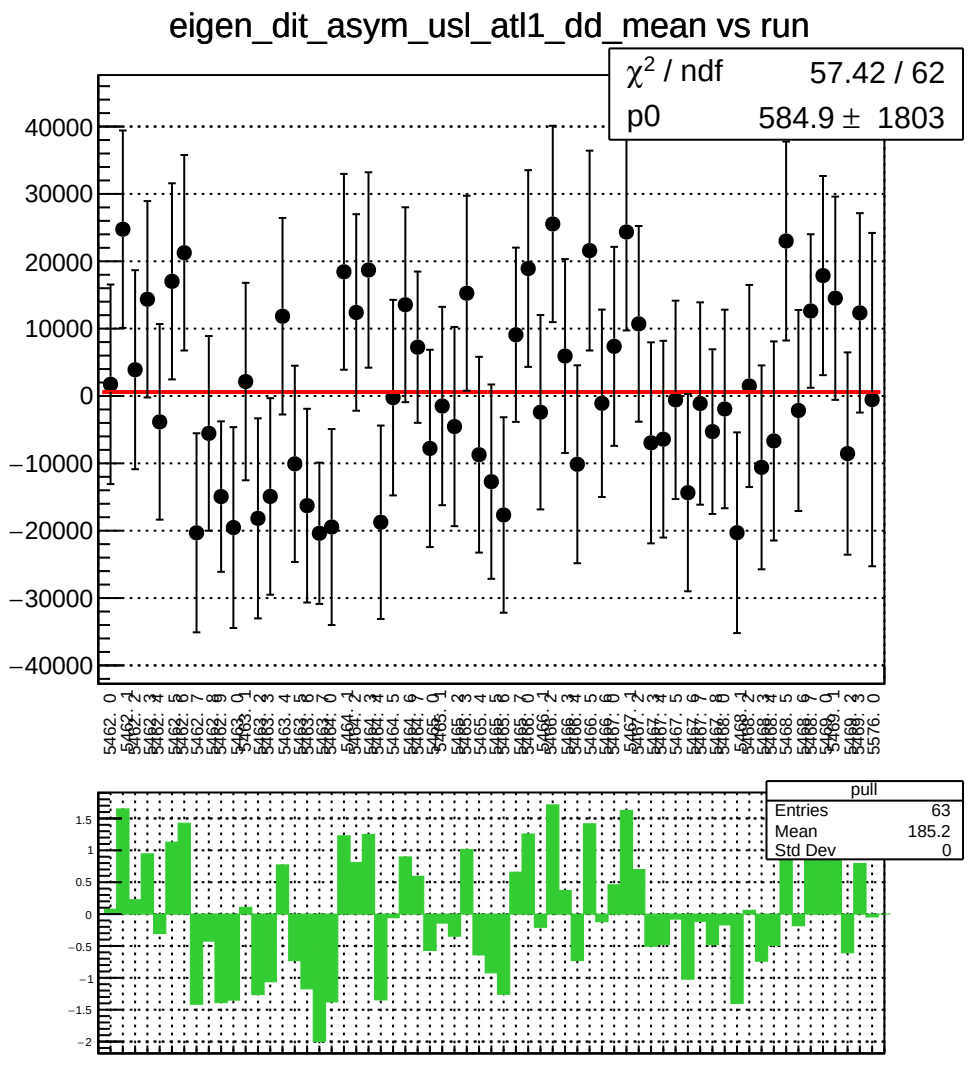

pull1D
Entries 63
Mean 0.01096
Std Dev 0.9546

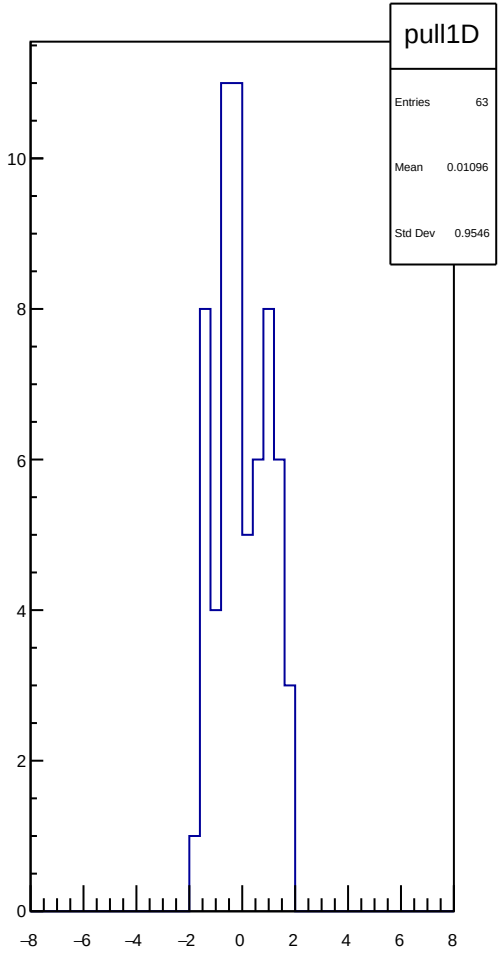

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 5926 / 62
p0 1399 ± 1.275
2800
2600
2400
2200
2000
1800
1600
1400

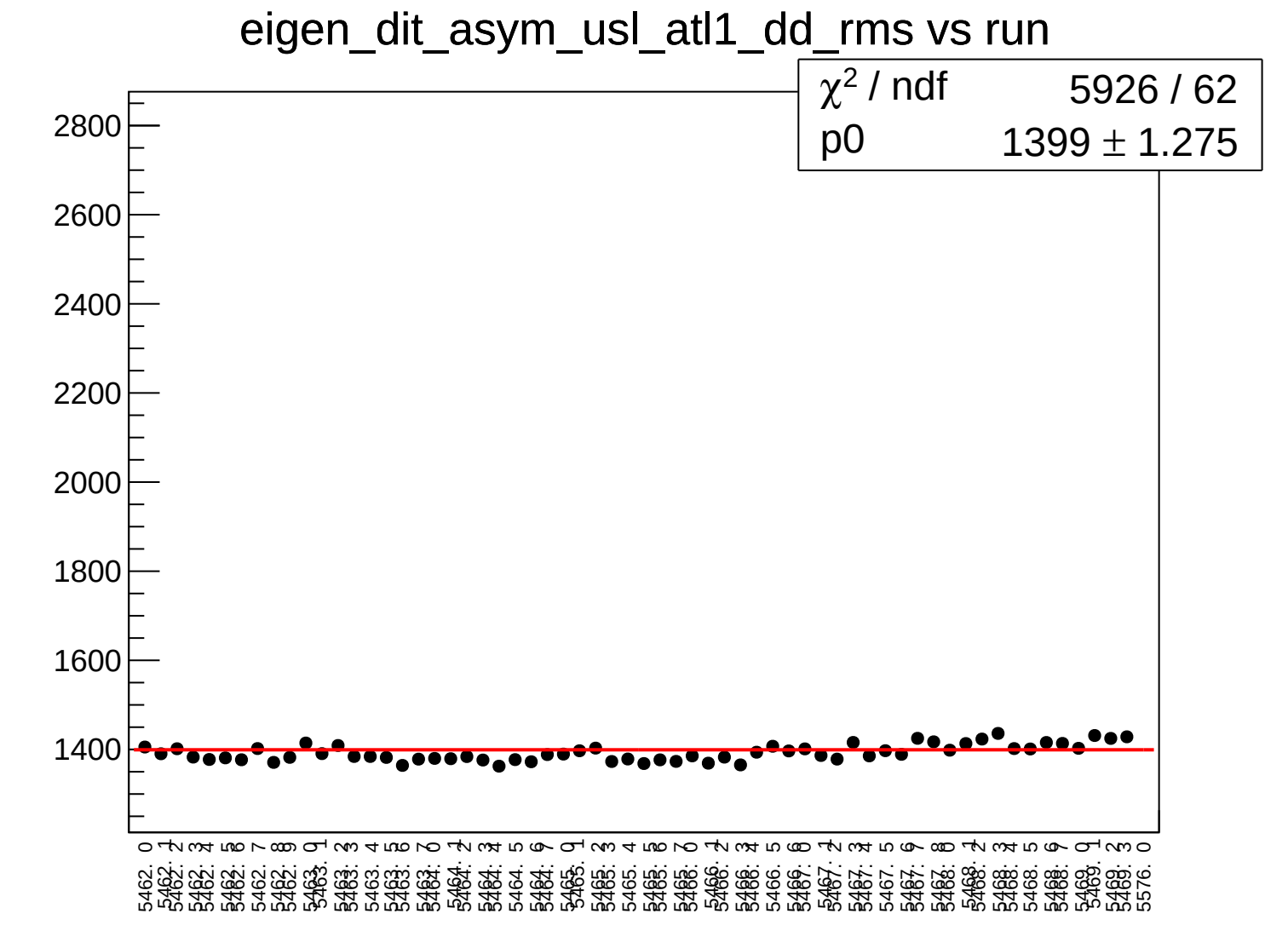

asym_usl_atl1_dd_dit_correction_mean vs run
×10^3
χ² / ndf 73.07 / 62
p0 −1571 ± 3806
100
50
0
−50
−100
pull
Entries 63
Mean 626.9
Std Dev 0
2
1
0
−1

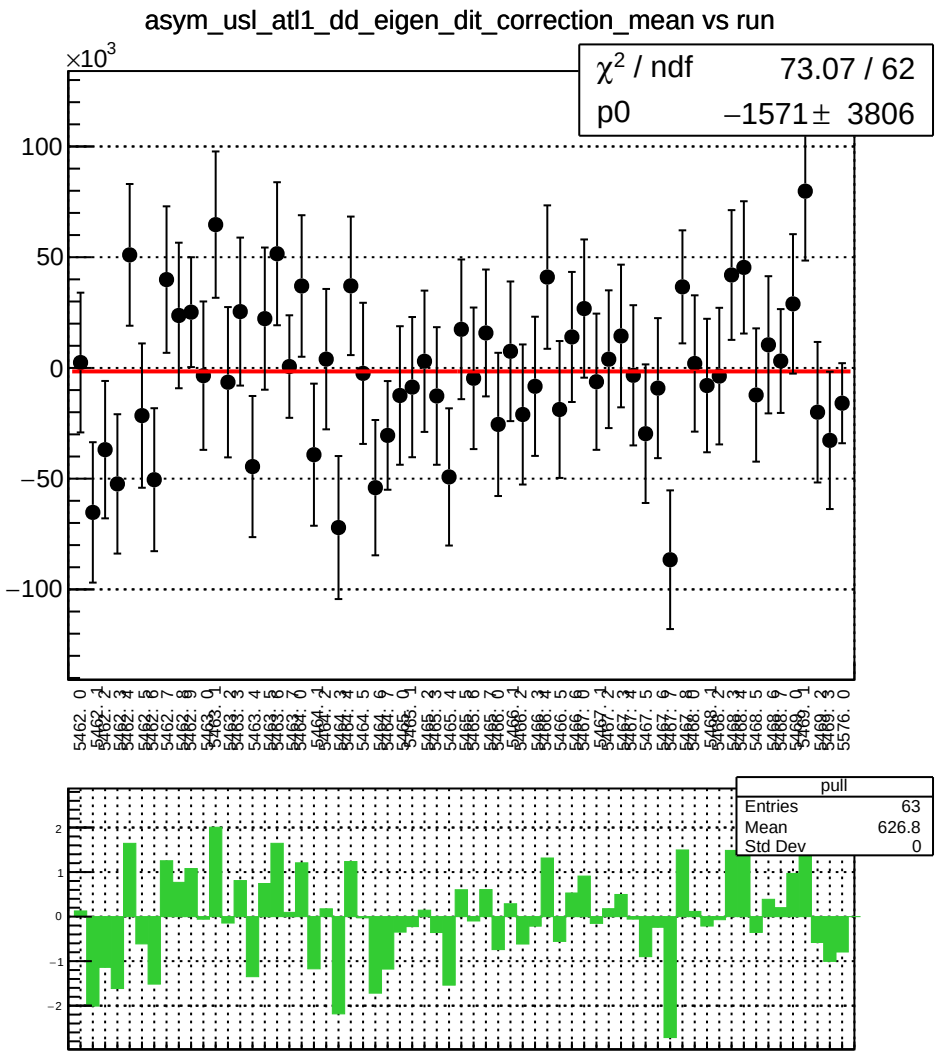

pull1D
Entries 63
Mean 0.003218
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

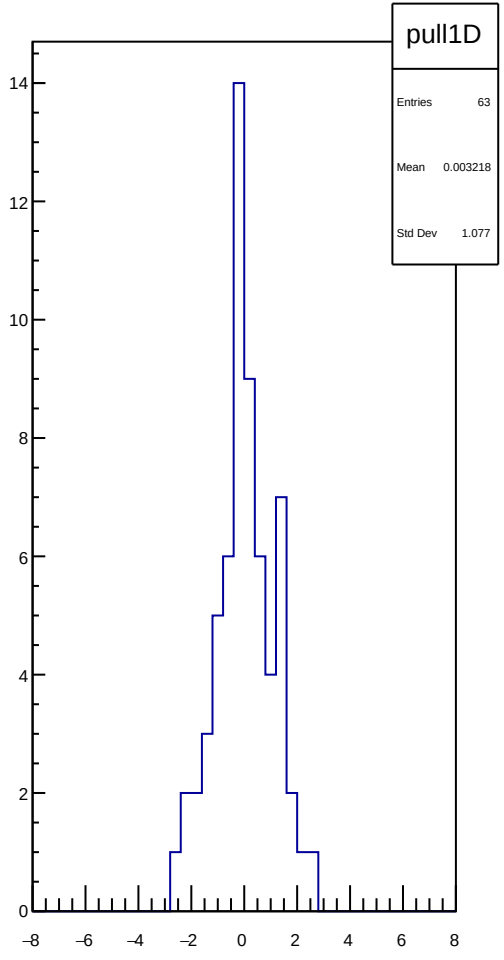

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 6797 / 62
p0 2953 ± 2.691
3200
3000
2800
2600
2400
2200
2000

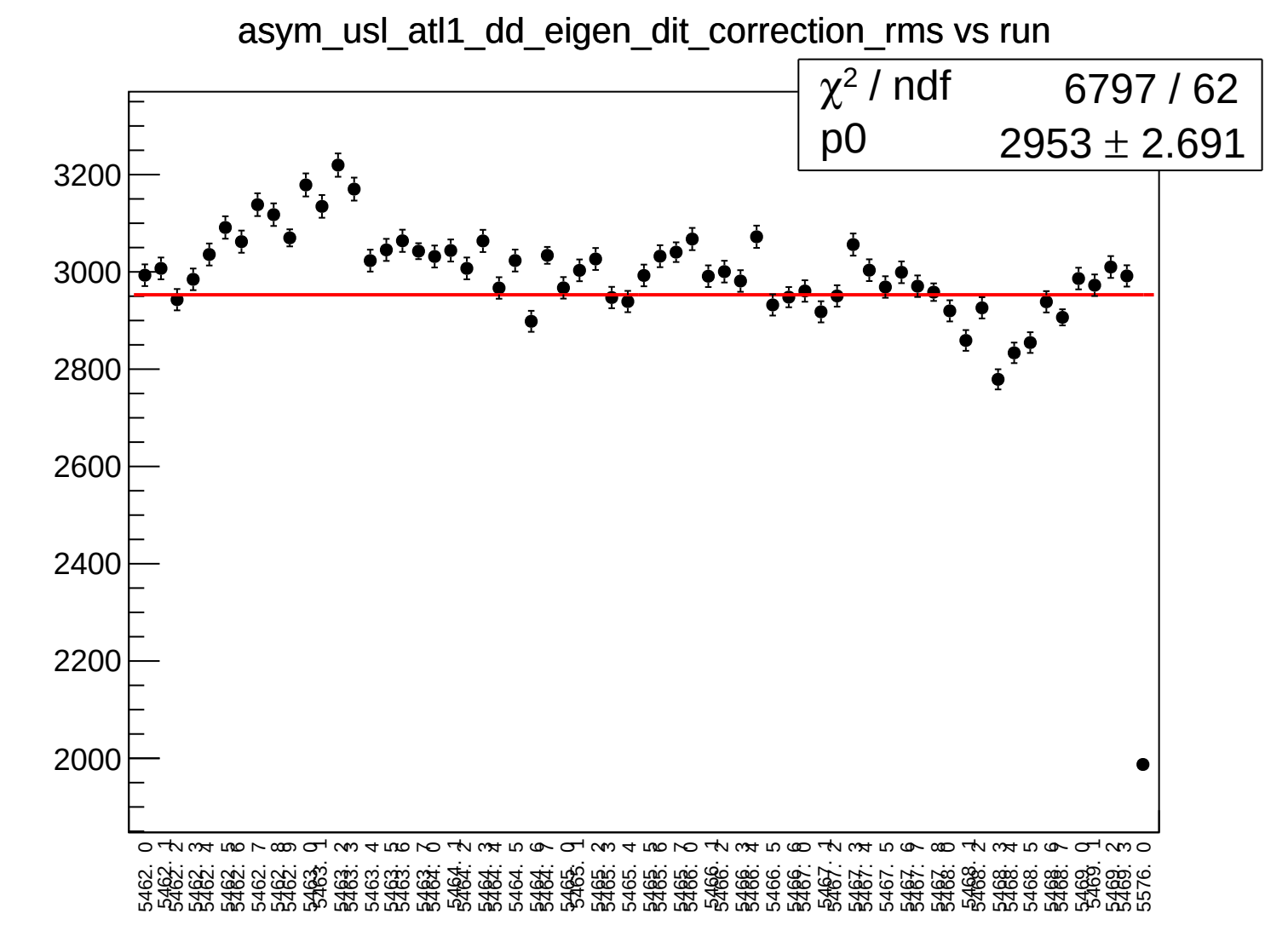

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 57.42 / 62
p0 584.9 ± 1803
pull
Entries 63
Mean 185.2
Std Dev 0

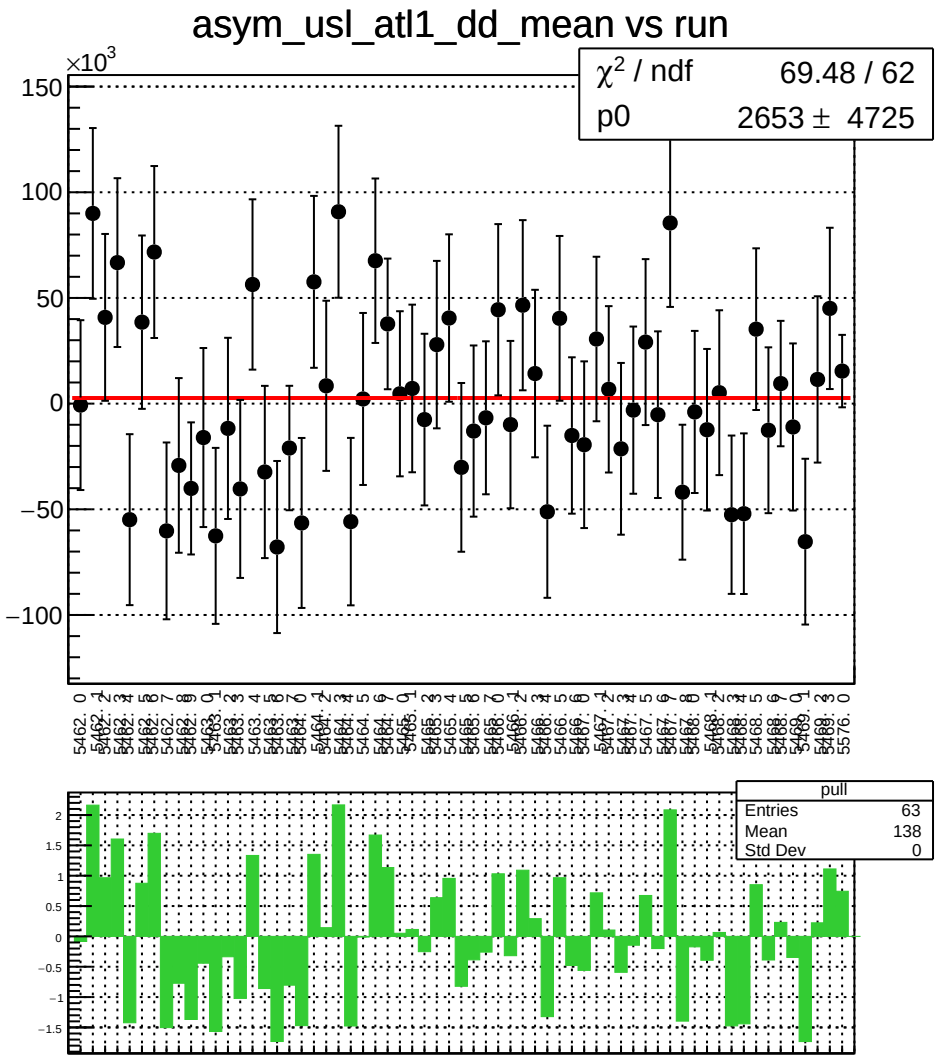

pull1D
Entries 63
Mean 0.01096
Std Dev 0.9546

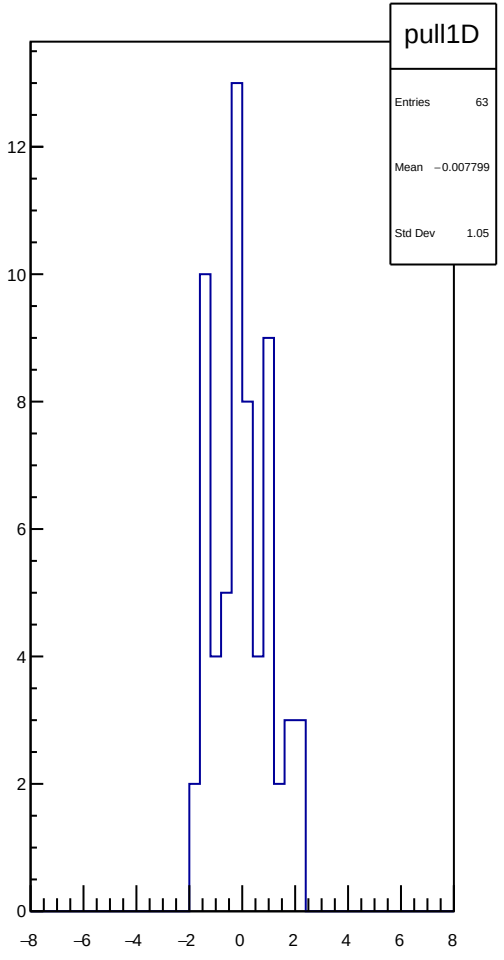

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 5926 / 62
p0 1399 ± 1.275
2800
2600
2400
2200
2000
1800
1600
1400

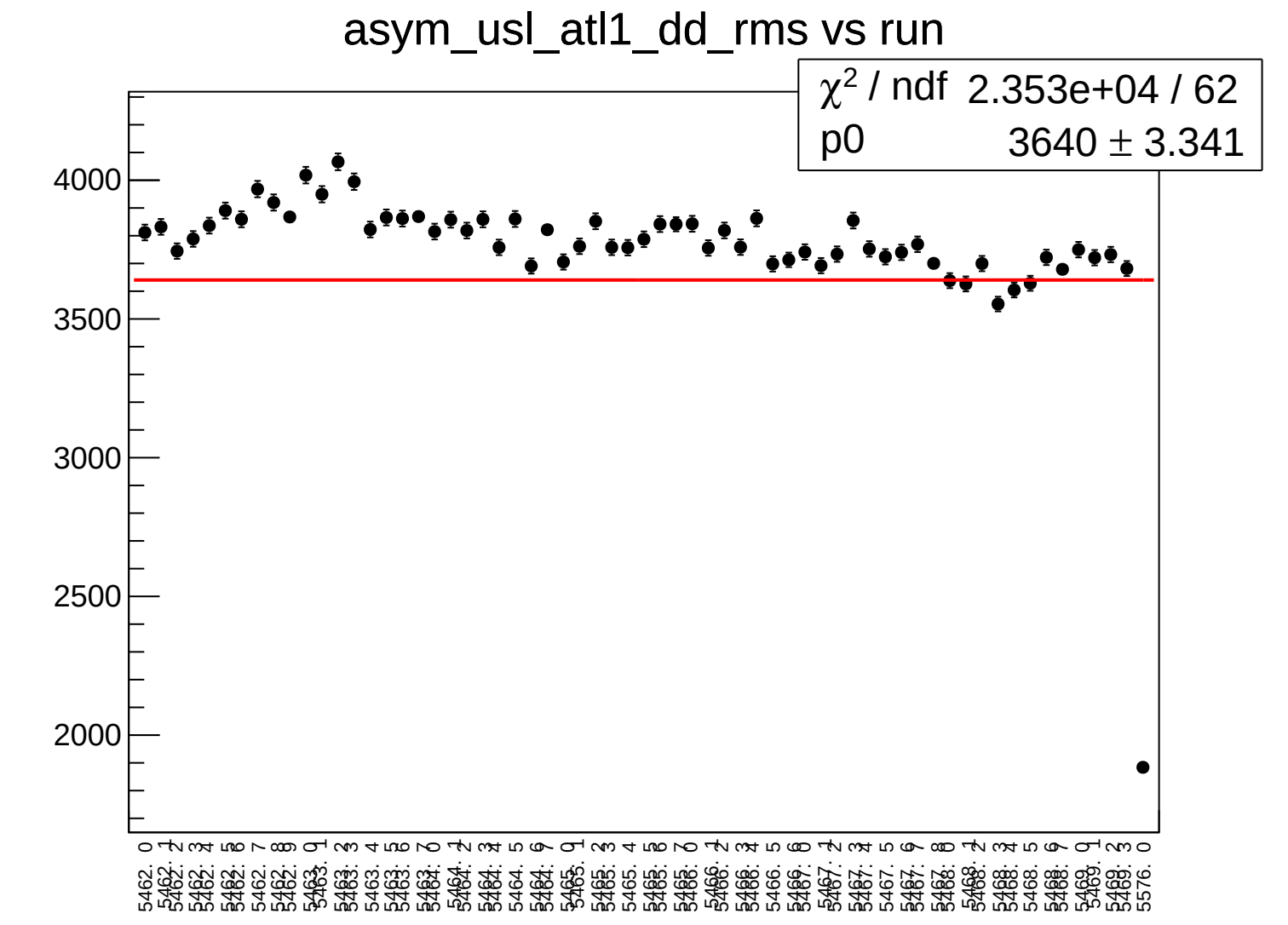

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 73.07 / 62
p0 −1571 ± 3806
100
50
0
−50
−100
pull
Entries 63
Mean 626.8
Std Dev 0
2
1
0
−1

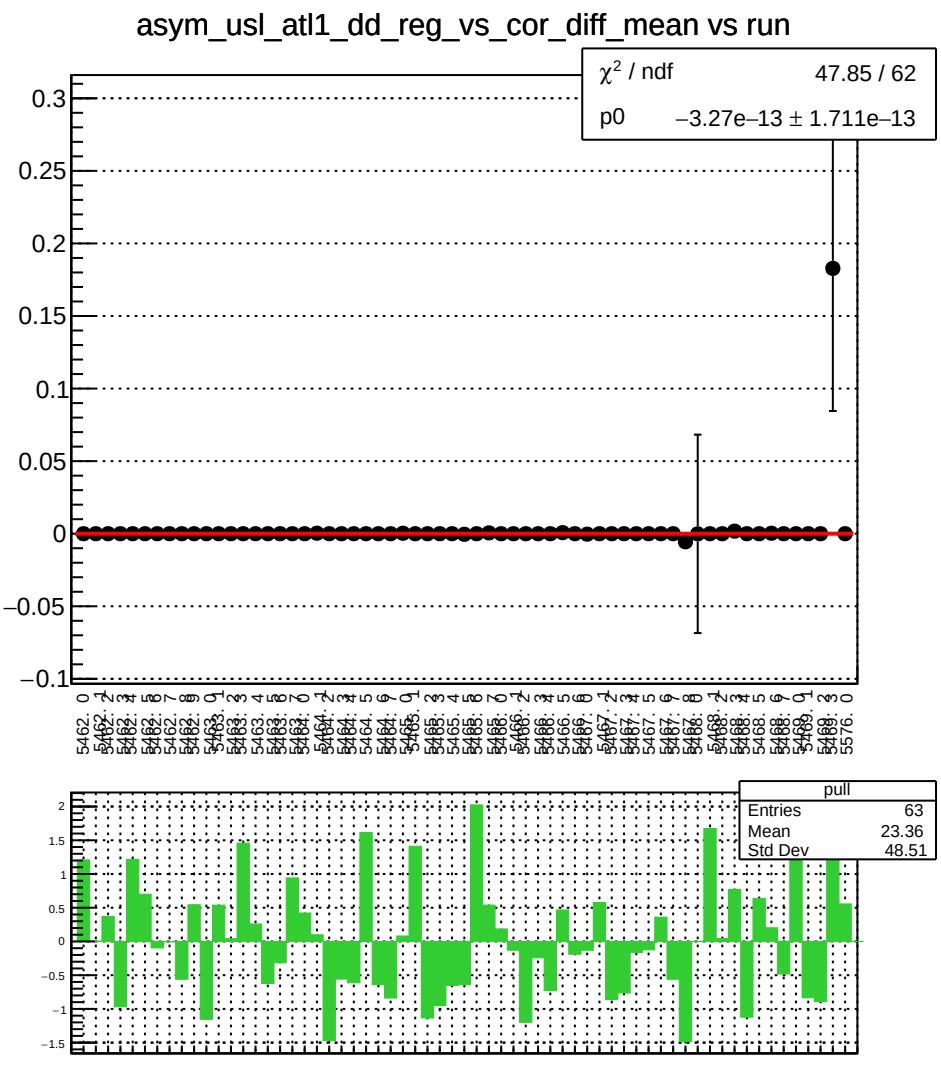

pull1D
Entries 63
Mean 0.003218
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

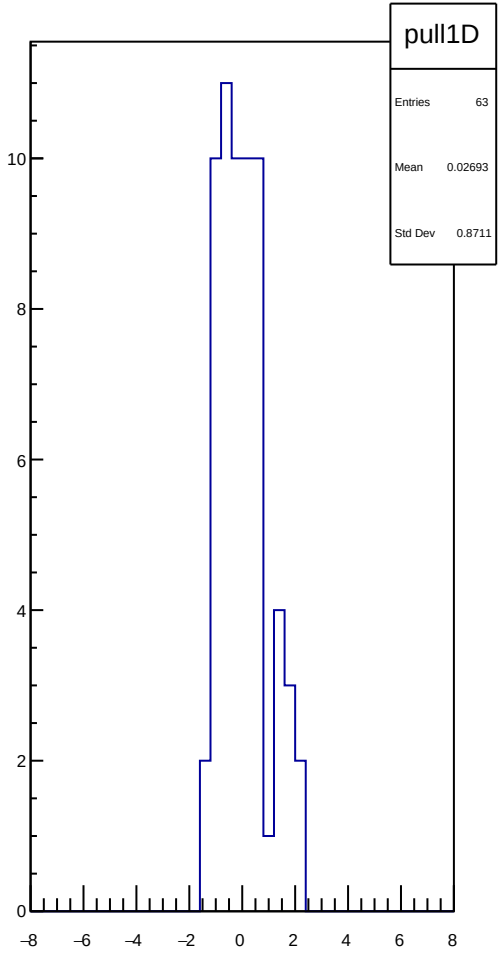

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6797 / 62
p0 2953 ± 2.691
3200
3000
2800
2600
2400
2200
2000

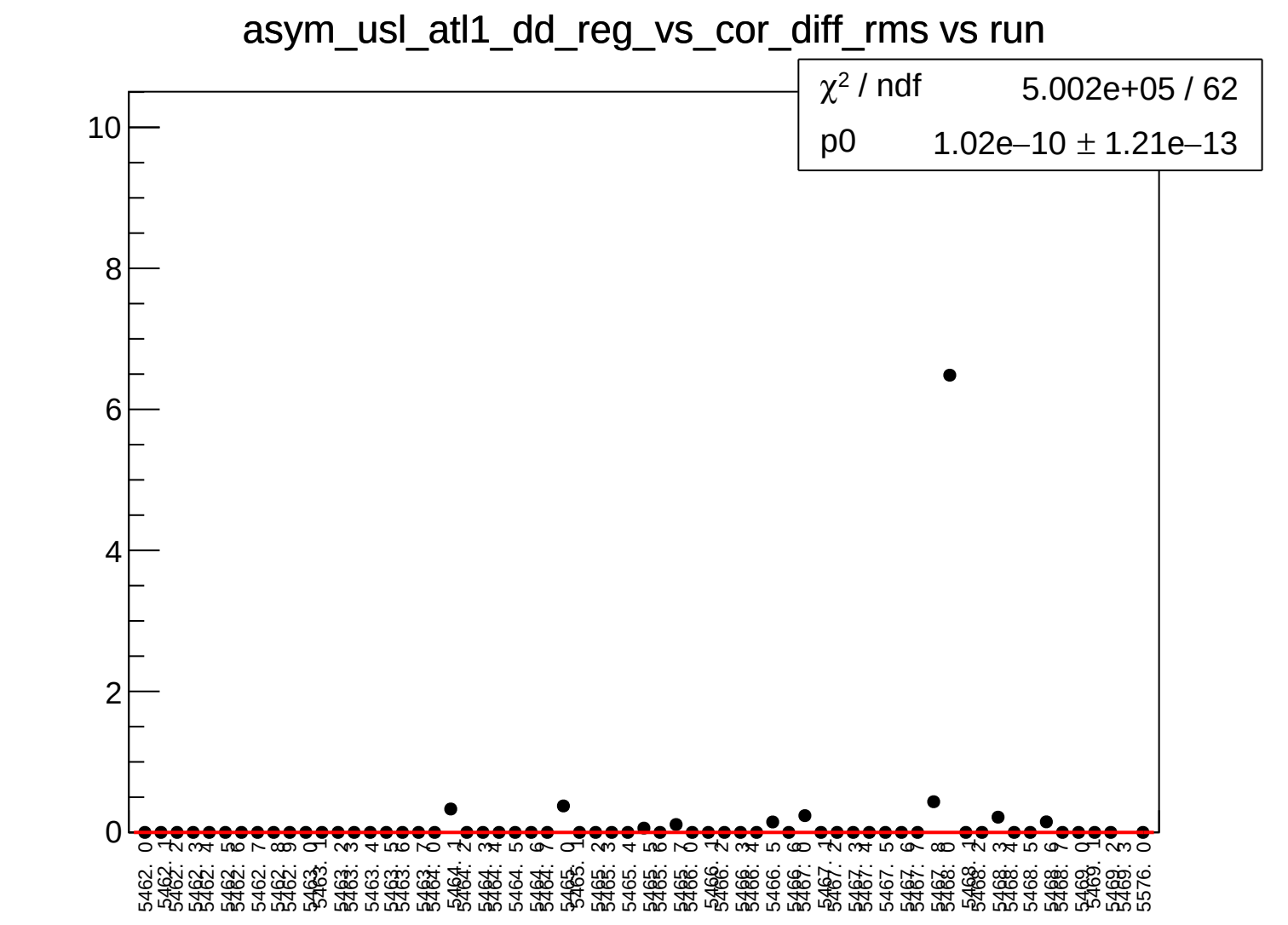

asym_usl_atl1_dd_mean vs run
×10^3
χ² / ndf 69.48 / 62
p0 2653 ± 4725
150
100
50
0
−50
−100
pull
Entries 63
Mean 138
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

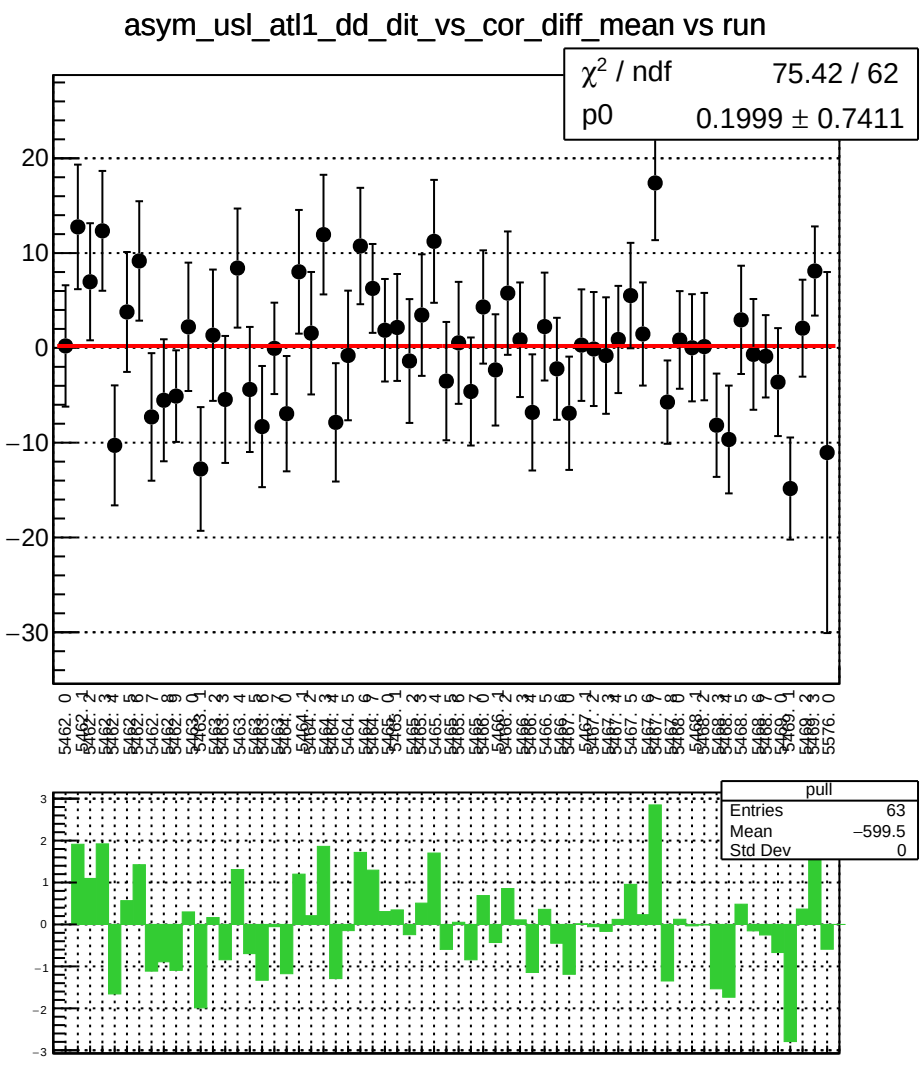

pull1D
Entries 63
Mean −0.007799
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

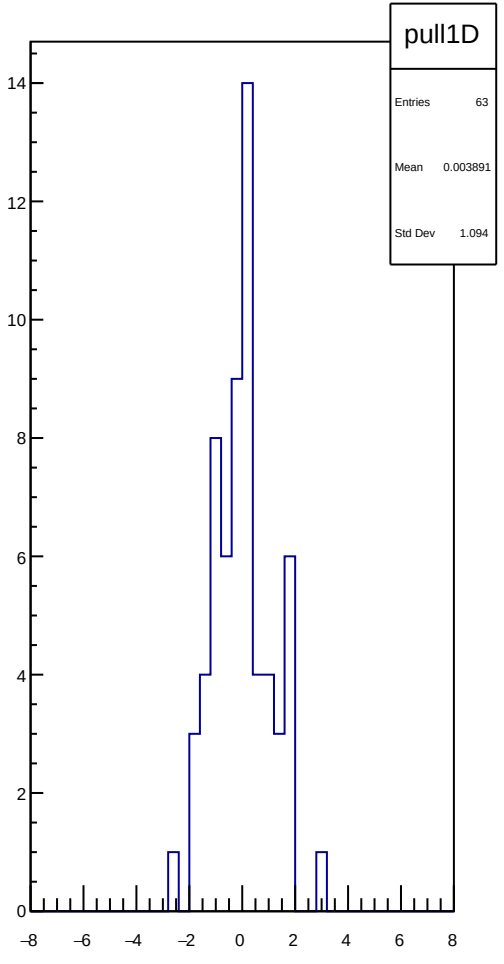

asym_usl_atl1_dd_rms vs run
χ² / ndf 2.353e+04 / 62
p0 3640 ± 3.341
4000
3500
3000
2500
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

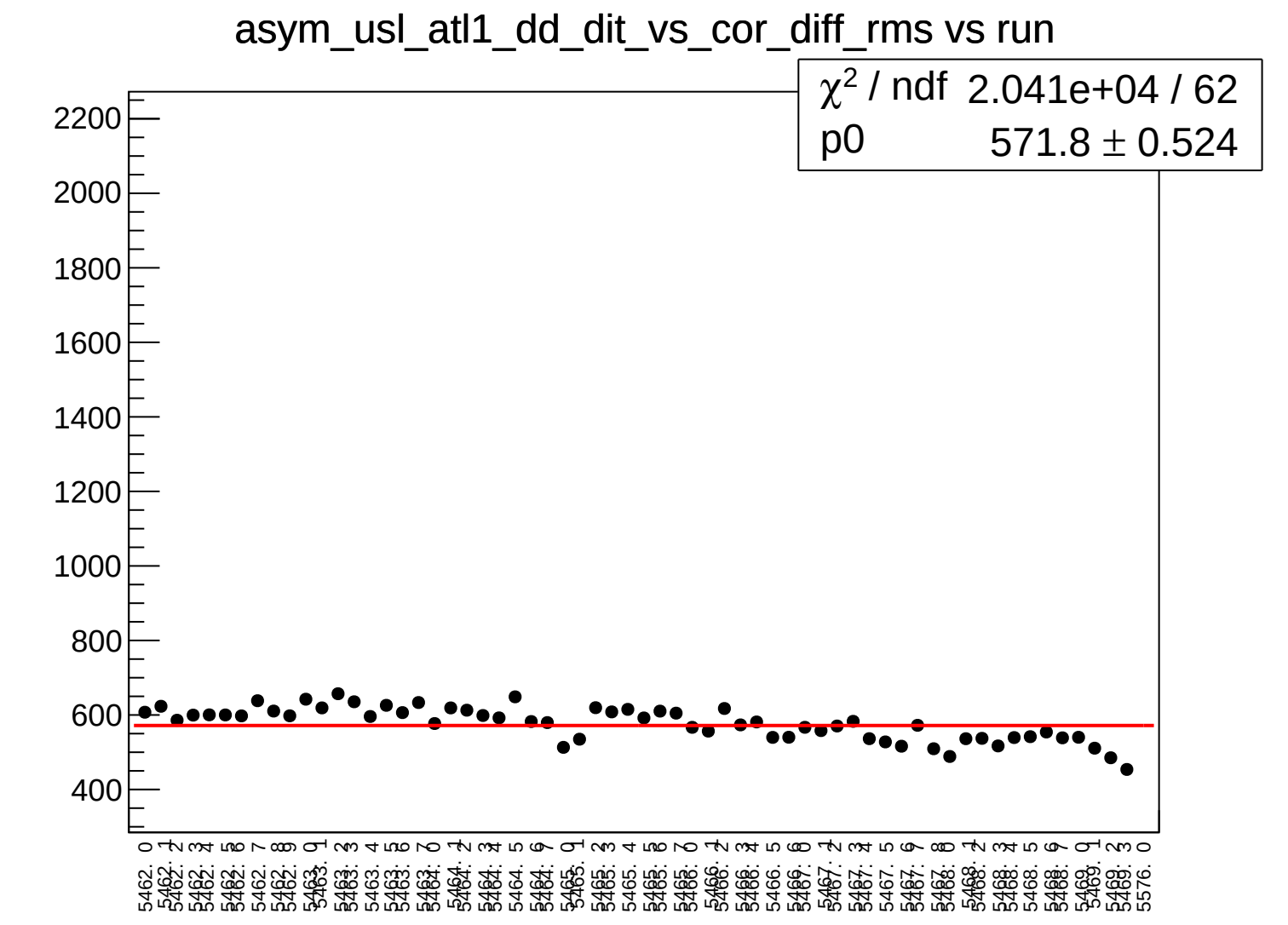

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.85 / 62
p0 −3.27e−13 ± 1.711e−13
pull
Entries 63
Mean 23.36
Std Dev 48.51

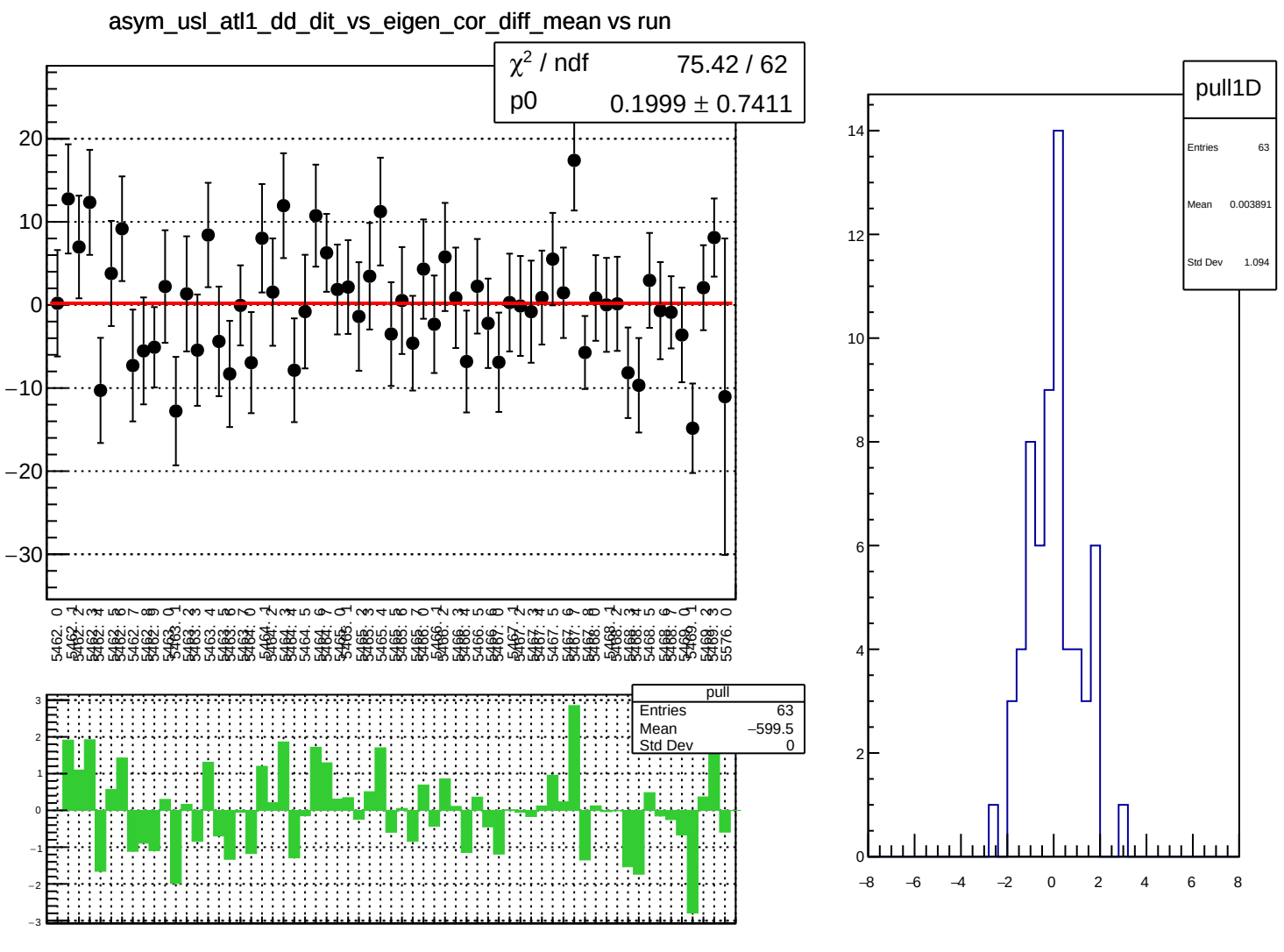

pull1D
Entries 63
Mean 0.02693
Std Dev 0.8711

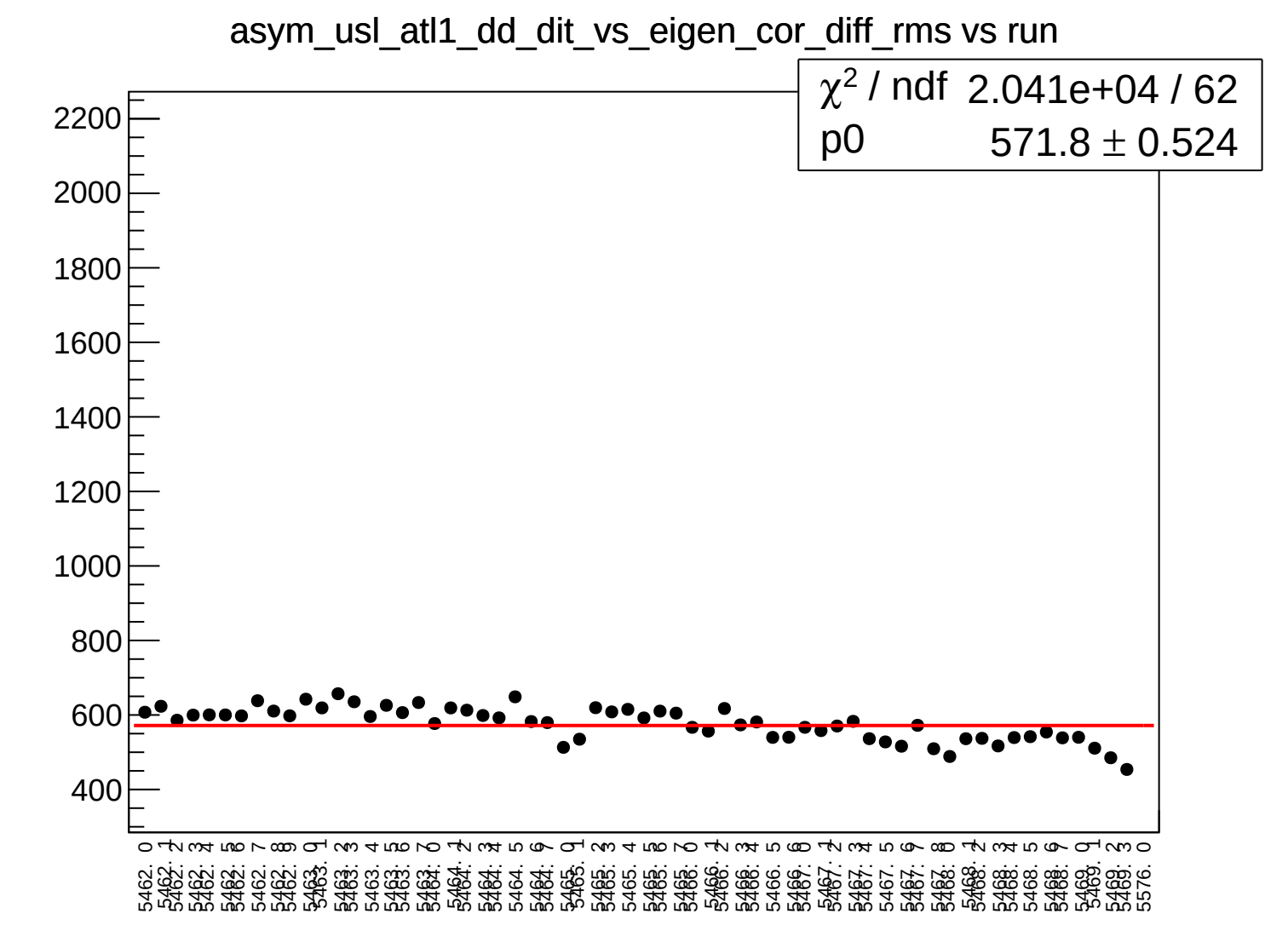

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.002e+05 / 62
p0 1.02e−10 ± 1.21e−13
10
8
6
4
2
0

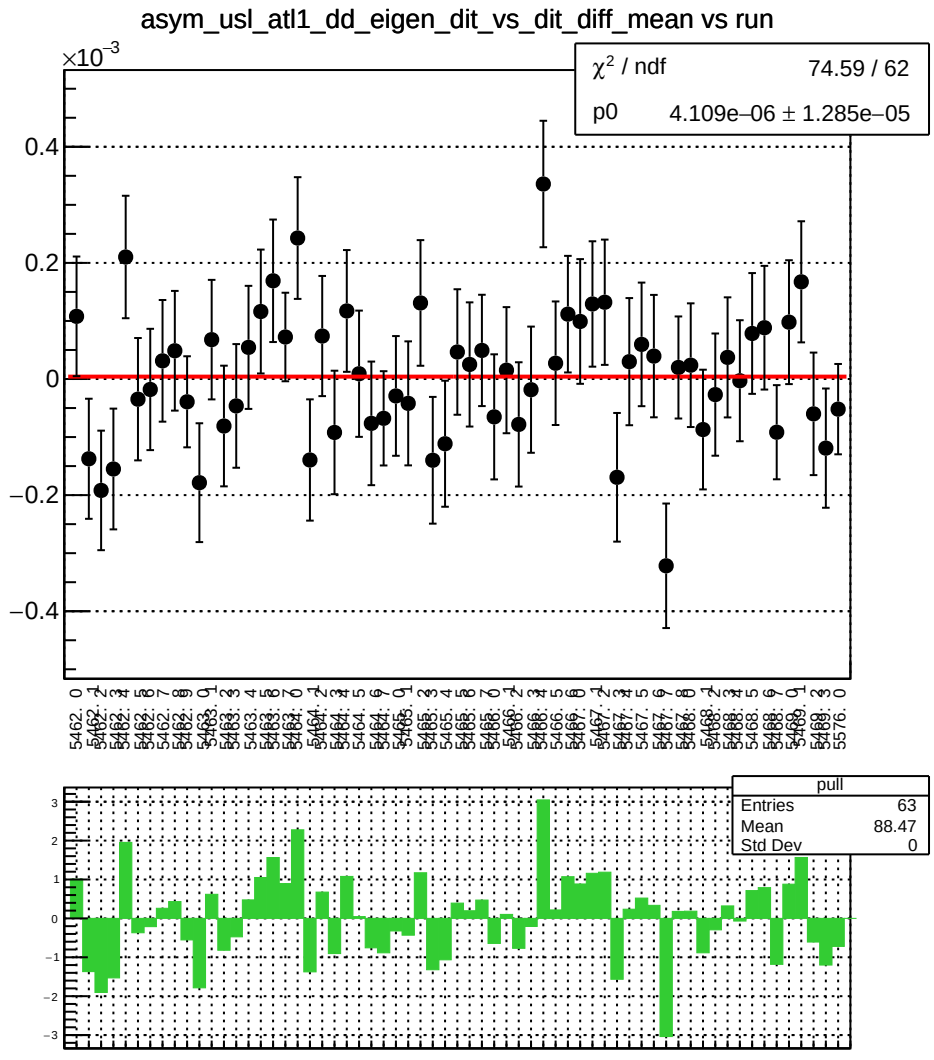

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.42 / 62
p0 0.1999 ± 0.7411
pull
Entries 63
Mean −599.5
Std Dev 0

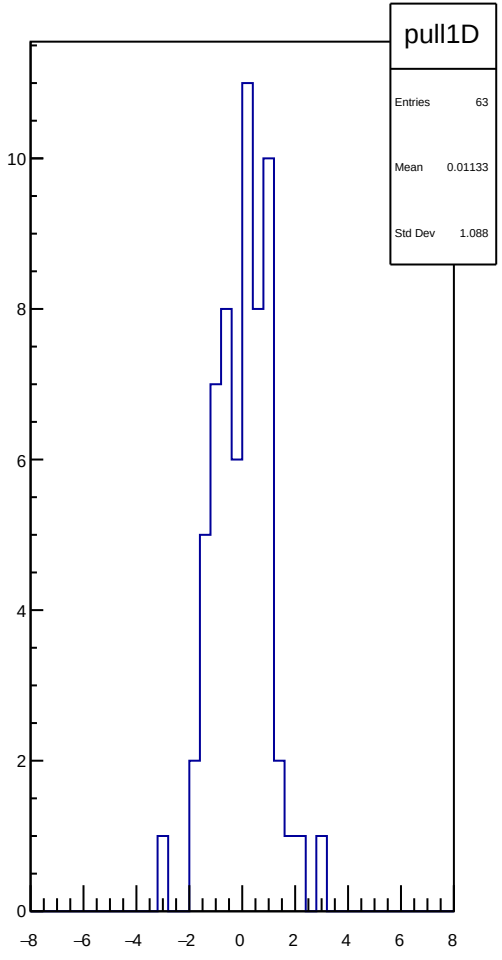

pull1D
Entries 63
Mean 0.003891
Std Dev 1.094

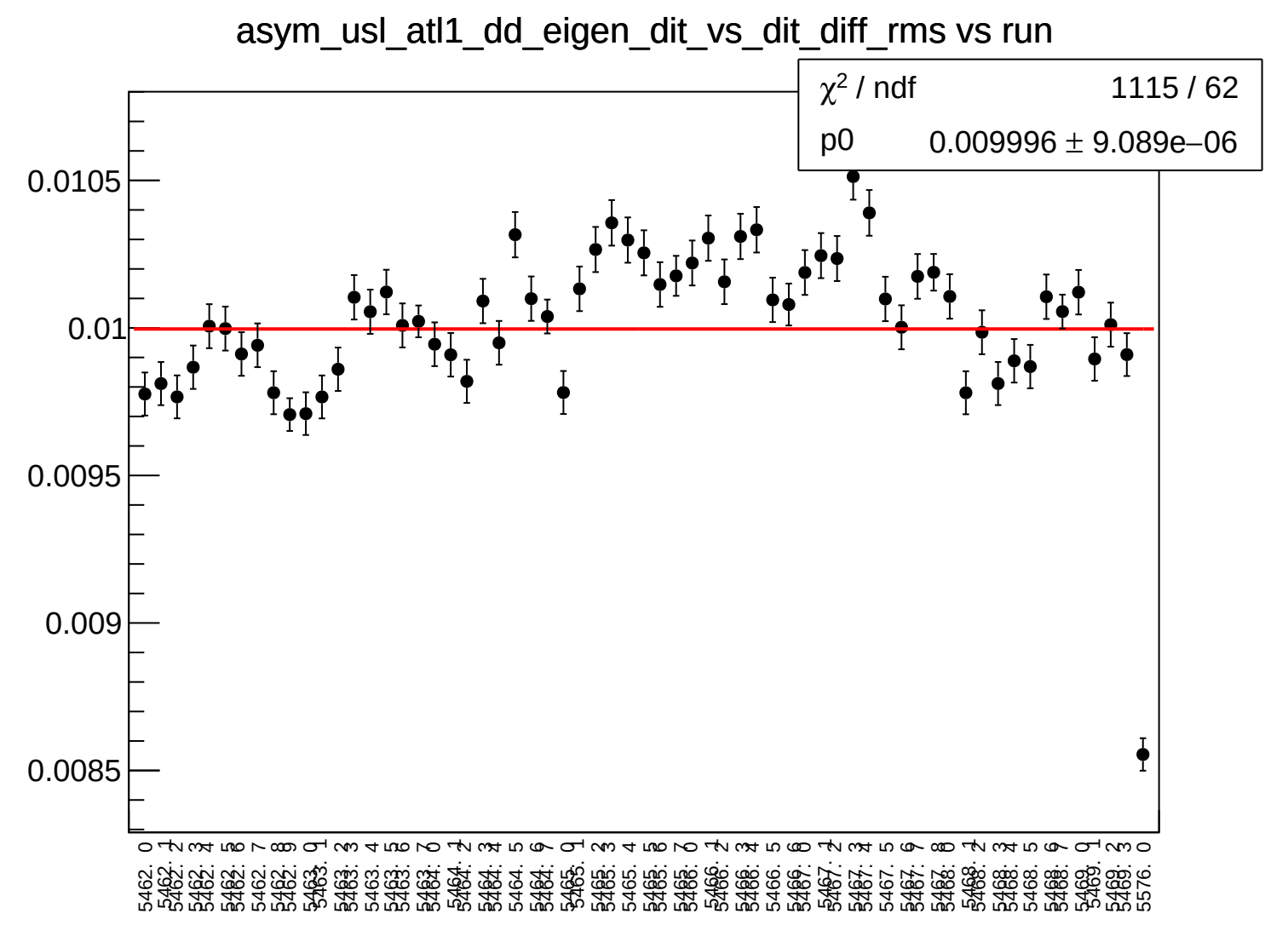

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 62
p0 571.8 ± 0.524
2200
2000
1800
1600
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

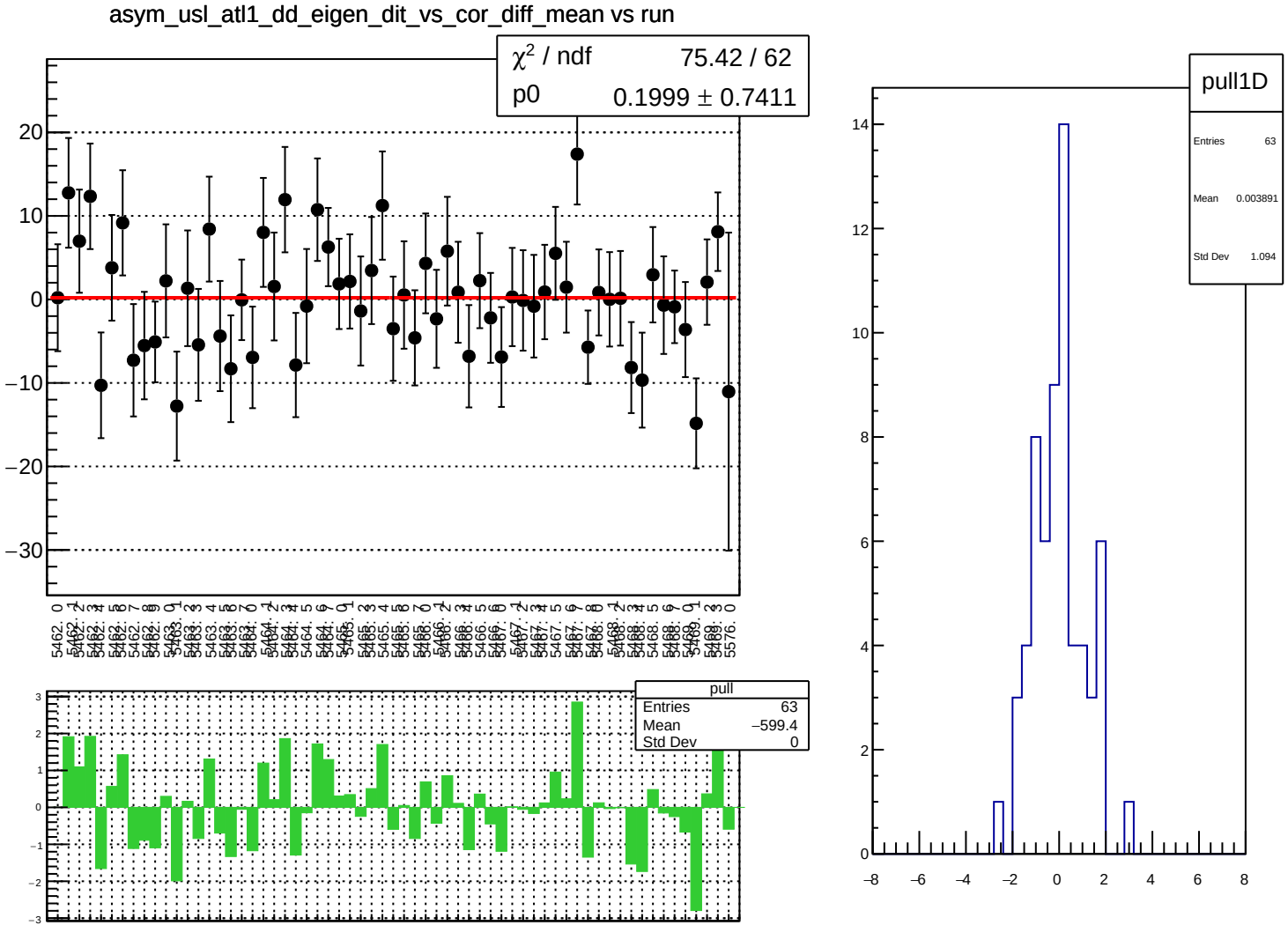

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.42 / 62
p0 0.1999 ± 0.7411
pull
Entries 63
Mean −599.5
Std Dev 0
pull1D
Entries 63
Mean 0.003891
Std Dev 1.094

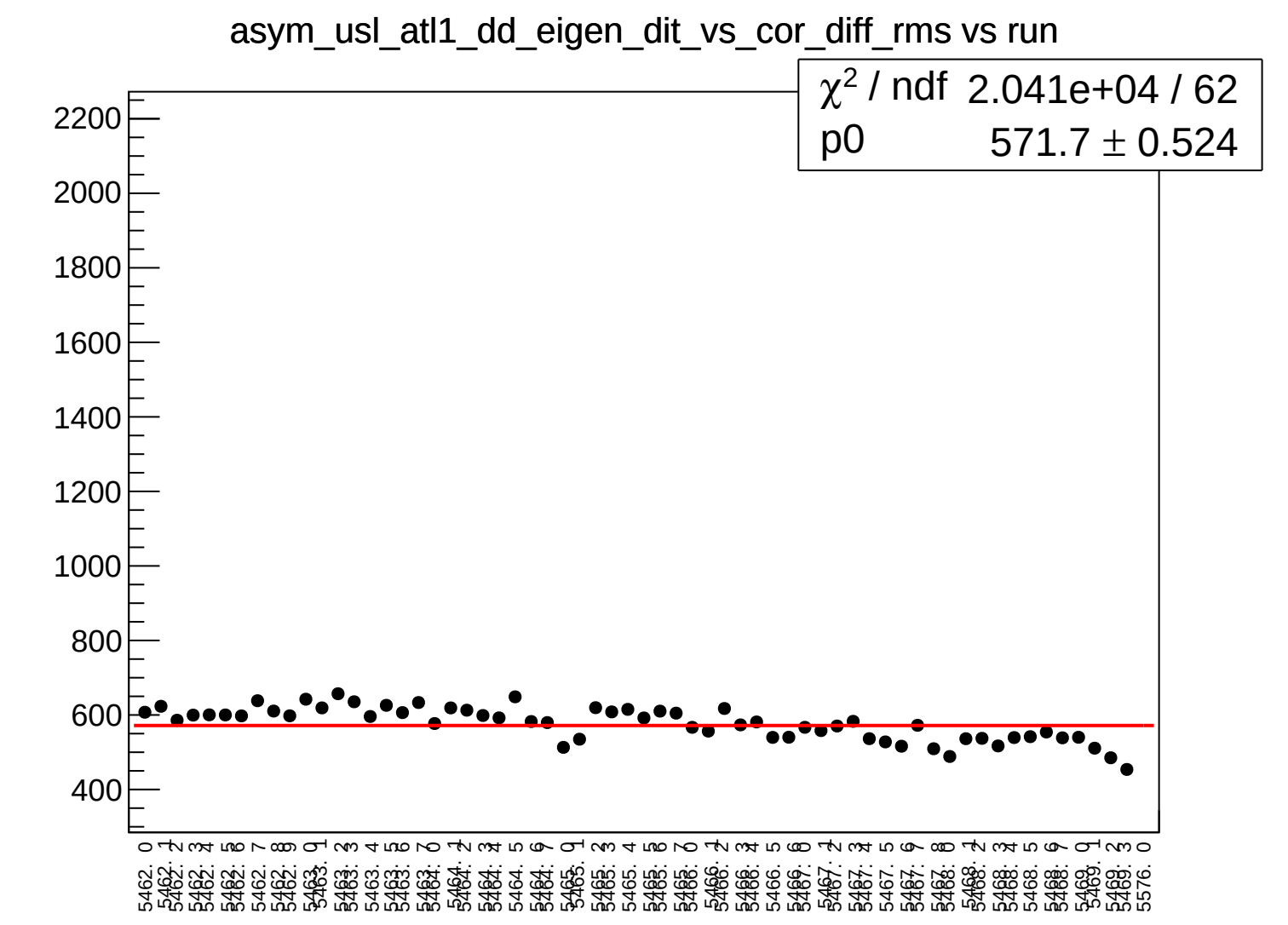

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 62
p0 571.8 ± 0.524
2200
2000
1800
1600
1400
1200
1000
800
600
400

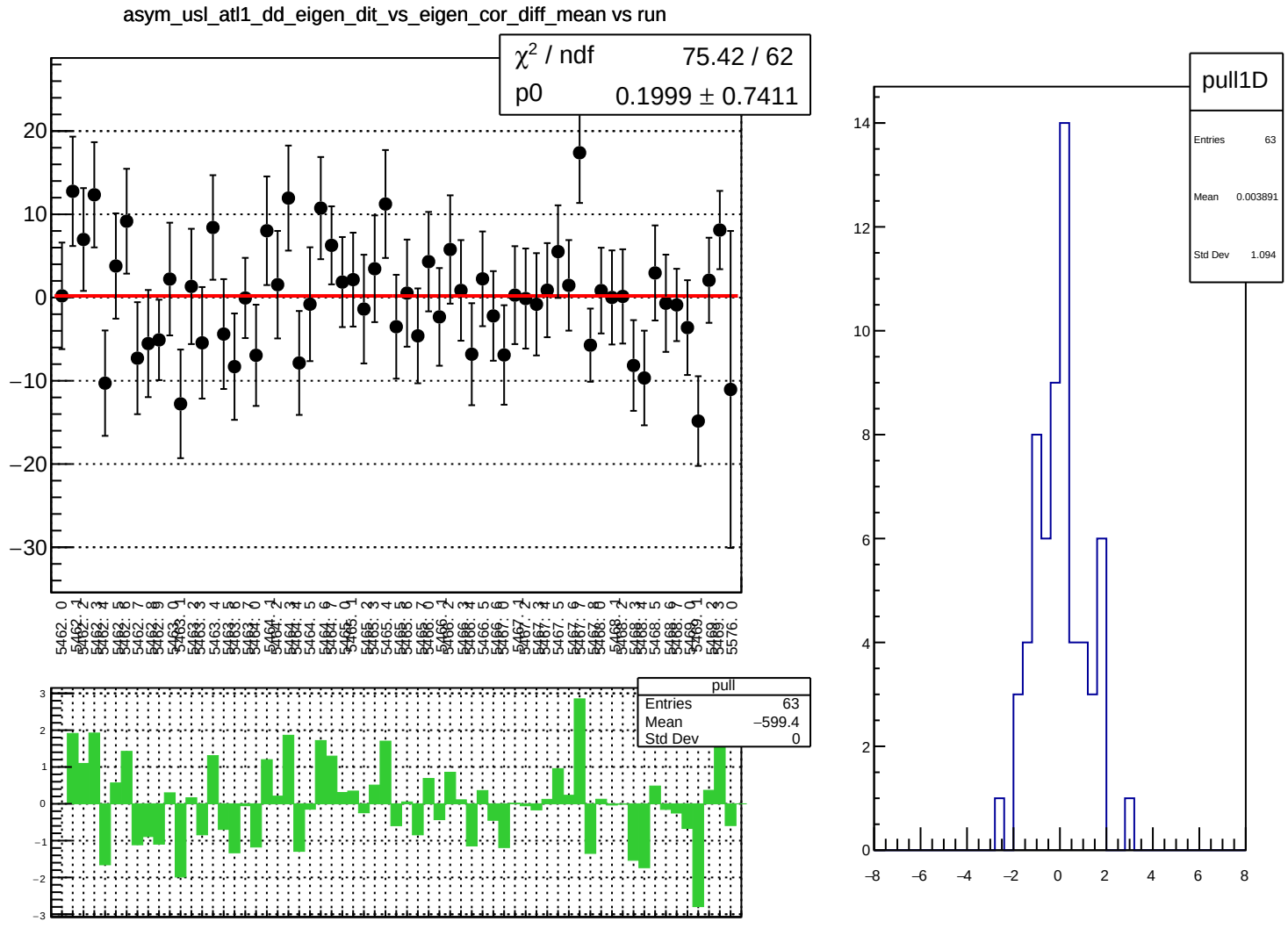

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.59 / 62
p0 4.109e−06 ± 1.285e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 63
Mean 88.47
Std Dev 0
3
2
1
0
−1
−2
−3

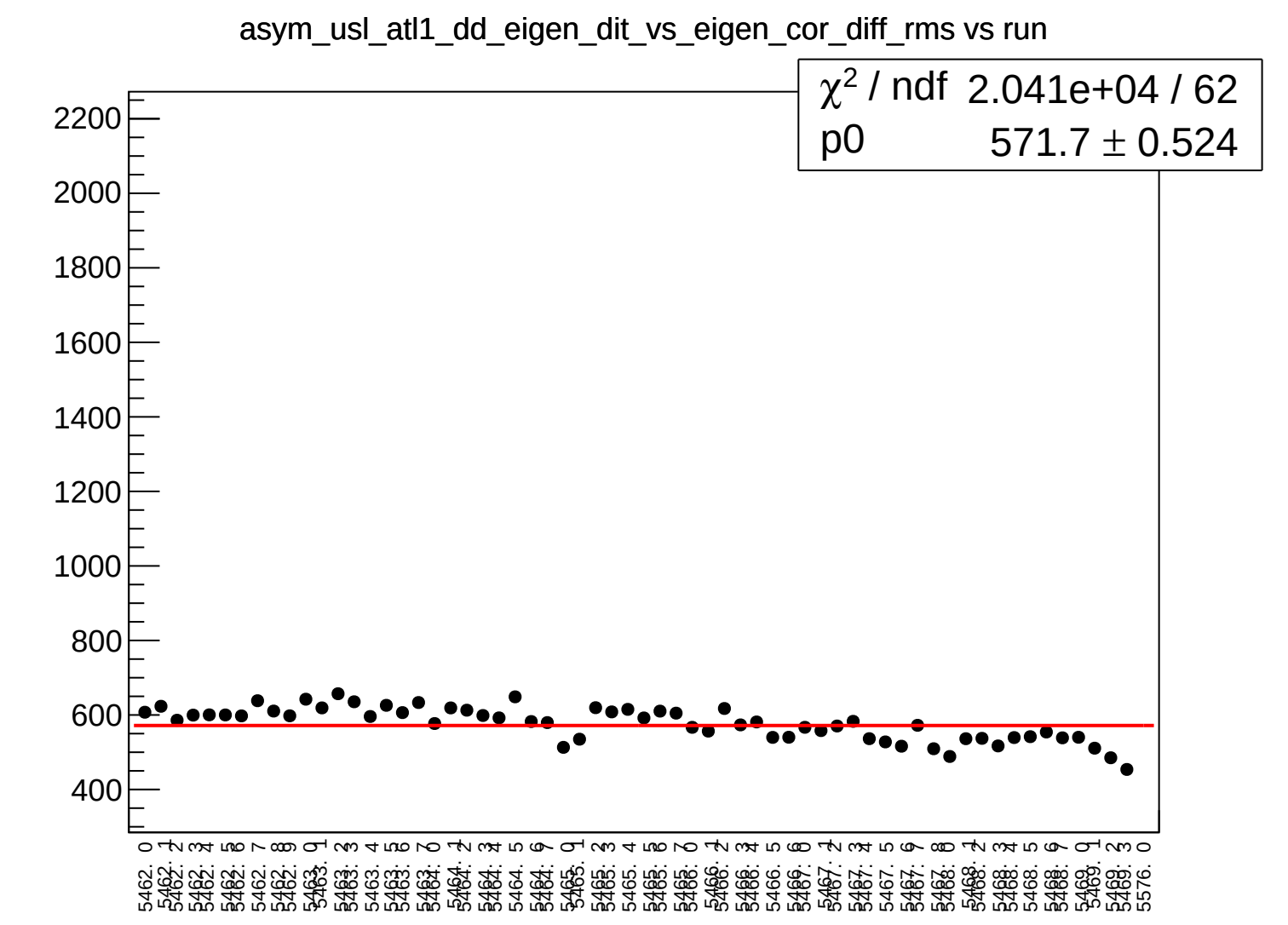

pull1D
Entries 63
Mean 0.01133
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

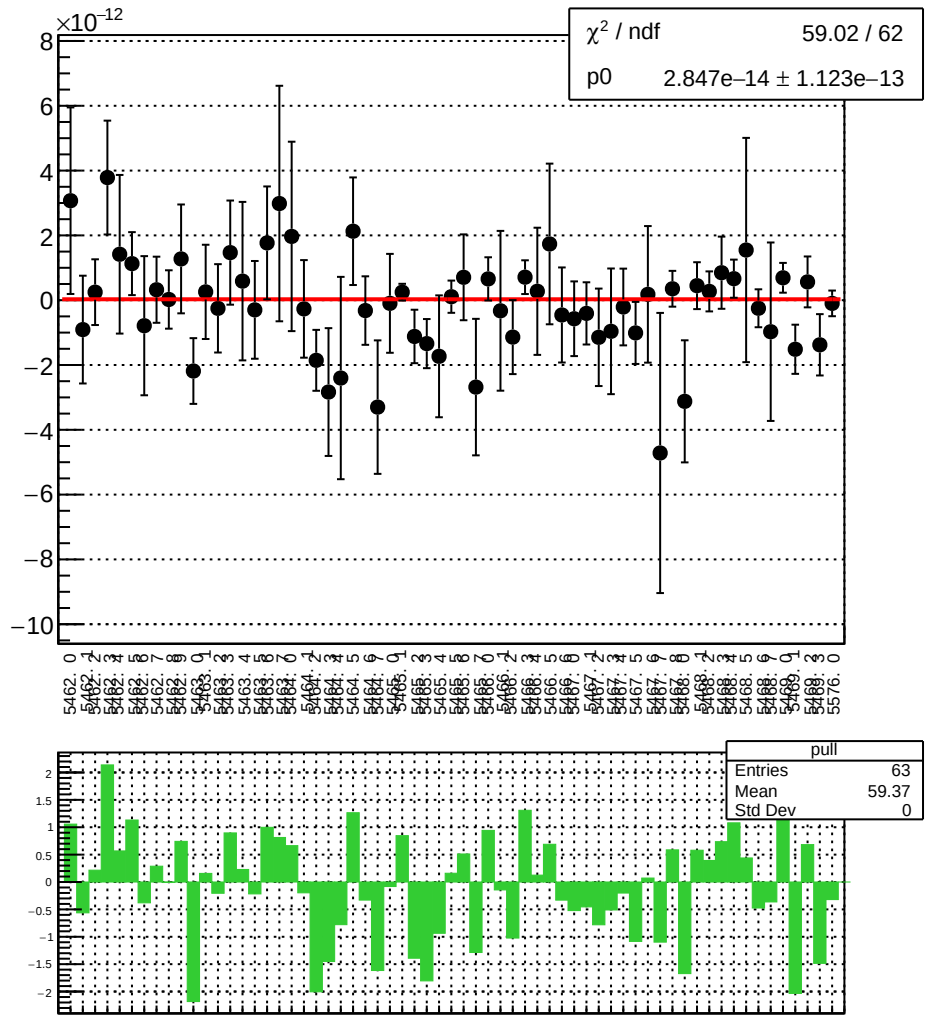

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1115 / 62
p0 0.009996 ± 9.089e−06
0.0105
0.01
0.0095
0.009
0.0085

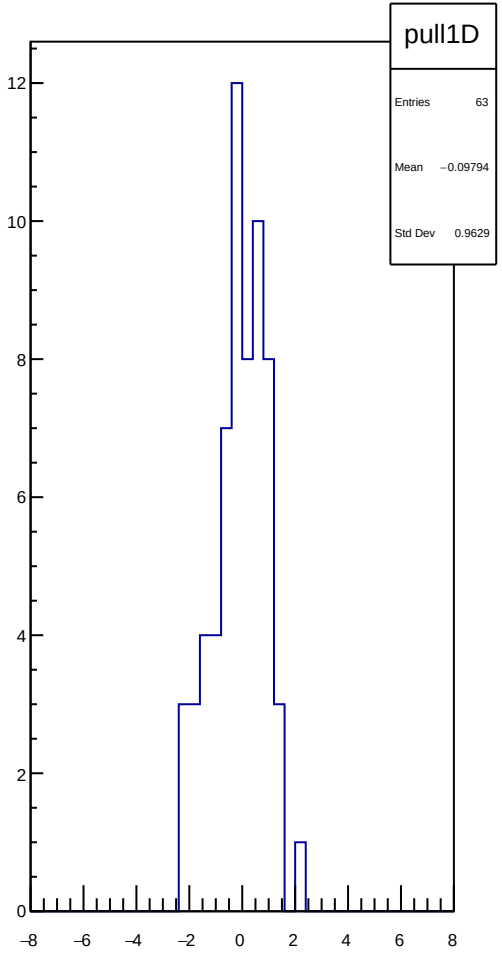

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.42 / 62
p0 0.1999 ± 0.7411
pull
Entries 63
Mean −599.4
Std Dev 0
pull1D
Entries 63
Mean 0.003891
Std Dev 1.094

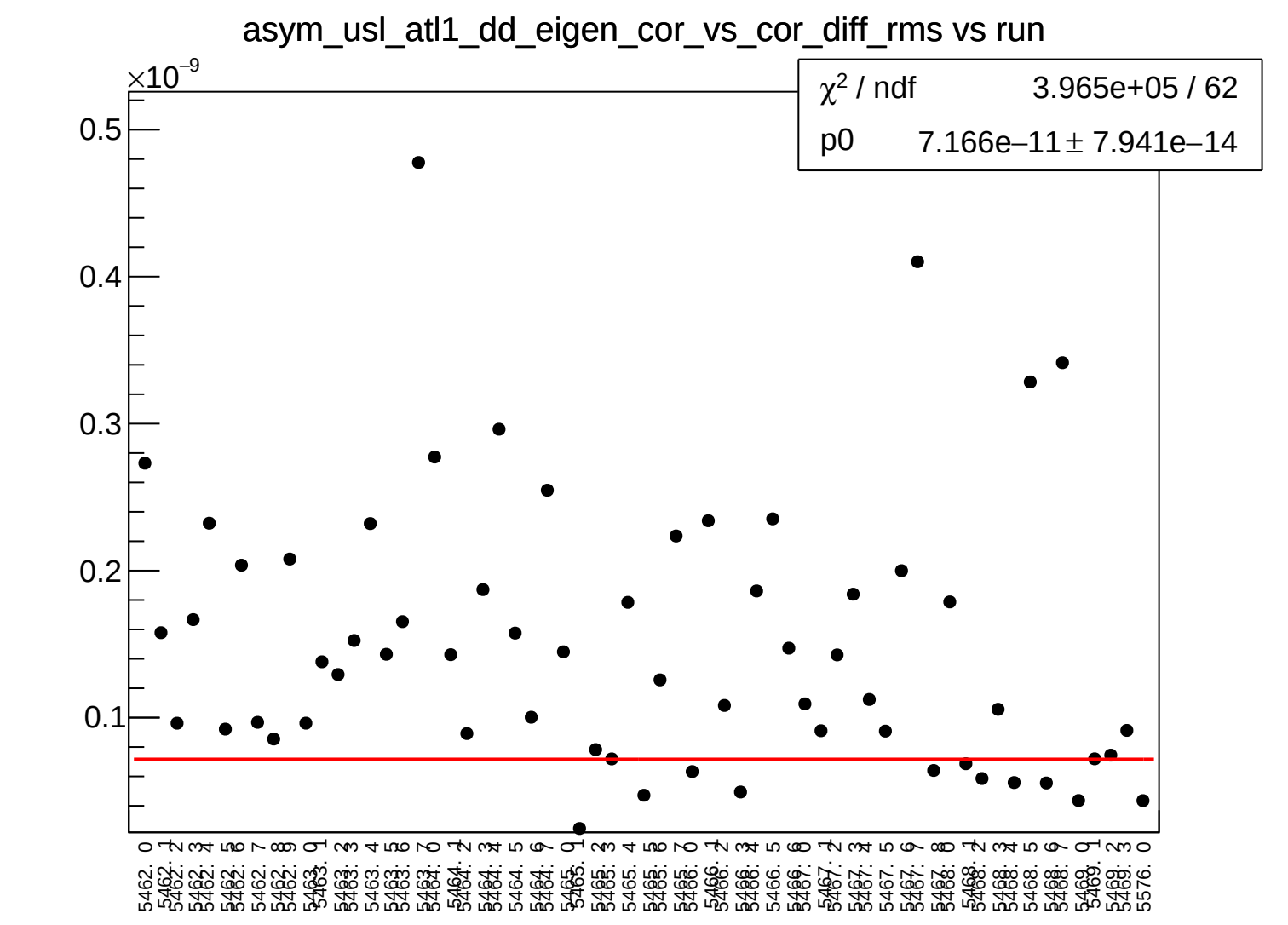

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 62
p0 571.7 ± 0.524
2200
2000
1800
1600
1400
1200
1000
800
600
400

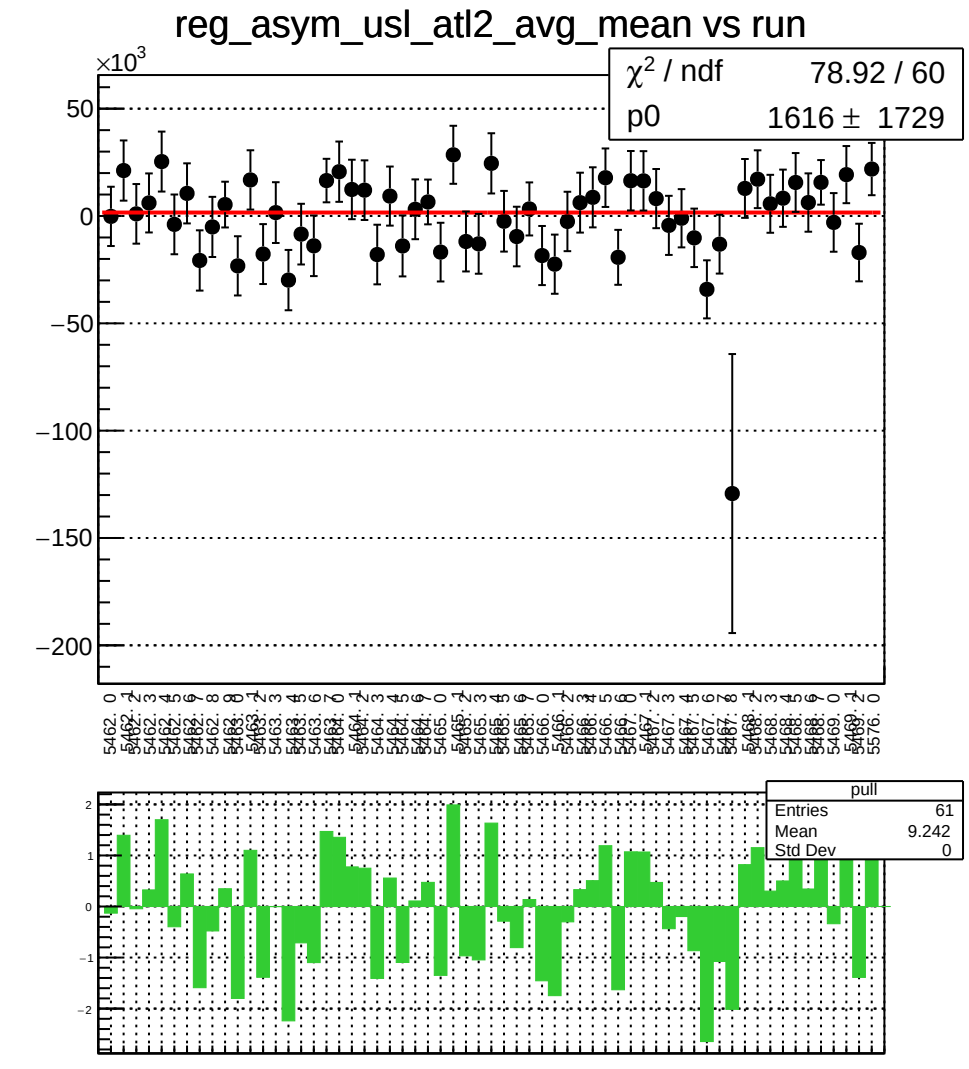

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.42 / 62
p0 0.1999 ± 0.7411
pull
Entries 63
Mean −599.4
Std Dev 0
pull1D
Entries 63
Mean 0.003891
Std Dev 1.094

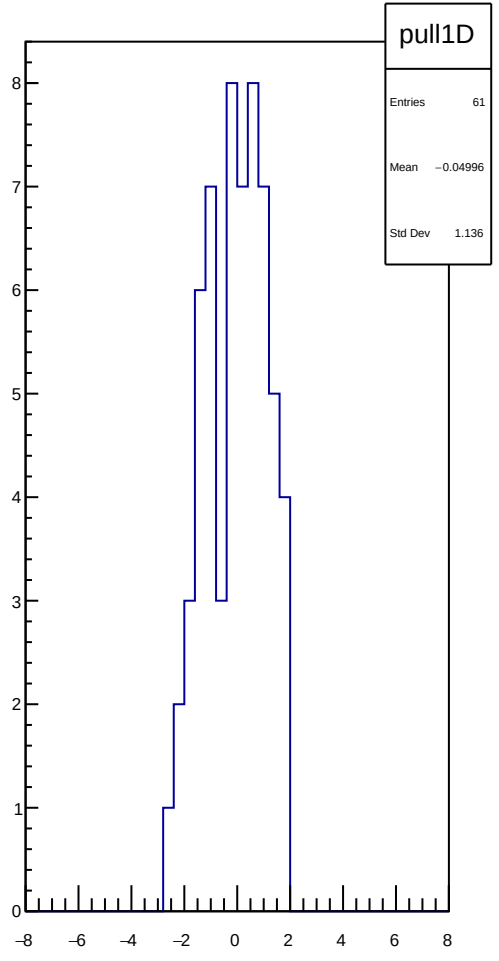

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 62
p0 571.7 ± 0.524
2200
2000
1800
1600
1400
1200
1000
800
600
400

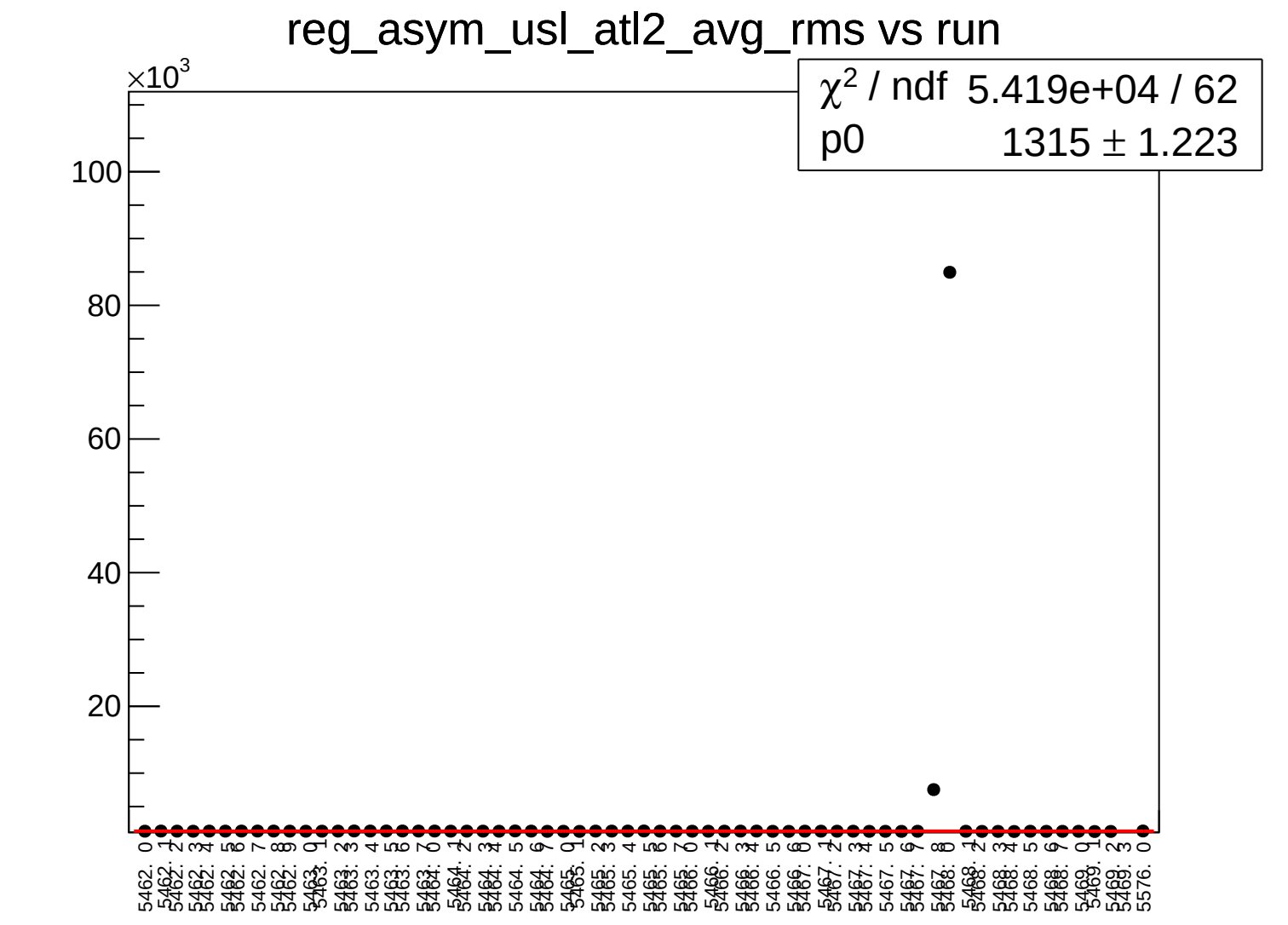

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.02 / 62
p0 2.847e−14 ± 1.123e−13
pull
Entries 63
Mean 59.37
Std Dev 0

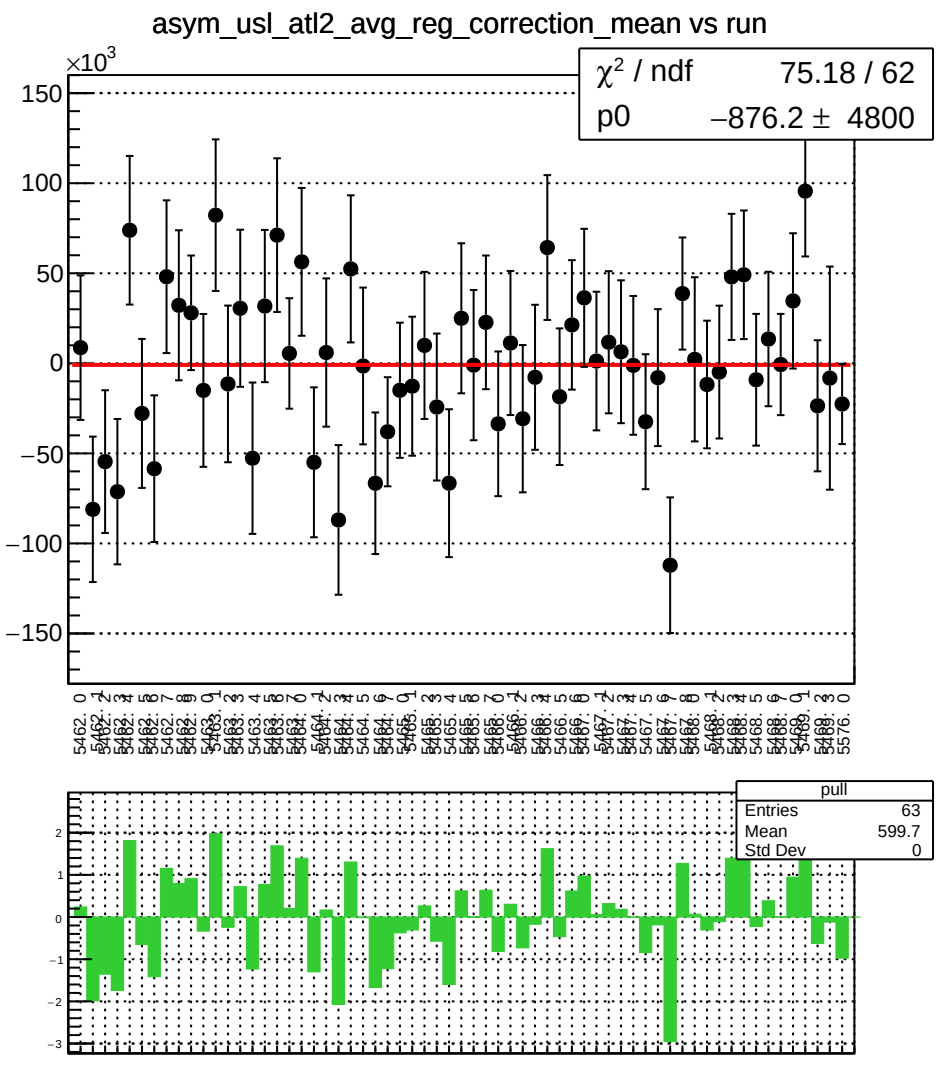

pull1D
Entries 63
Mean −0.09794
Std Dev 0.9629

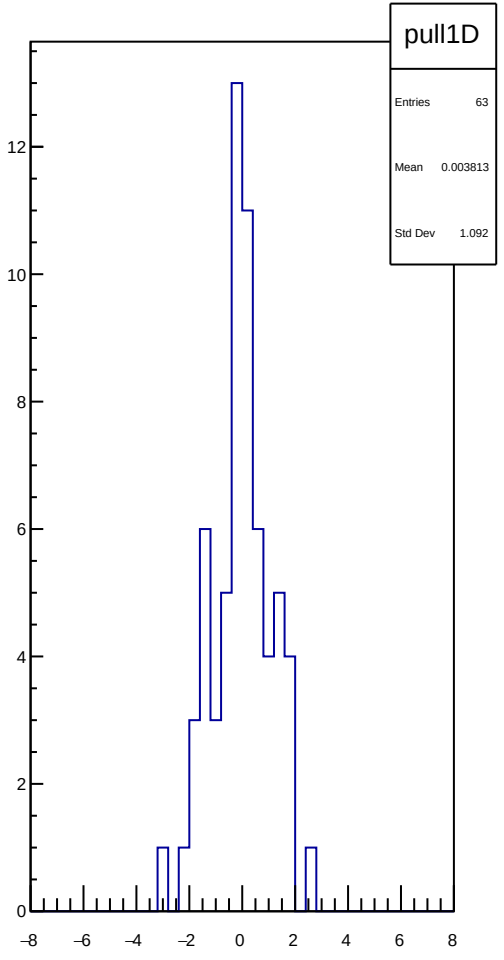

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.965e+05 / 62
p0 7.166e−11 ± 7.941e−14
0.5
0.4
0.3
0.2
0.1

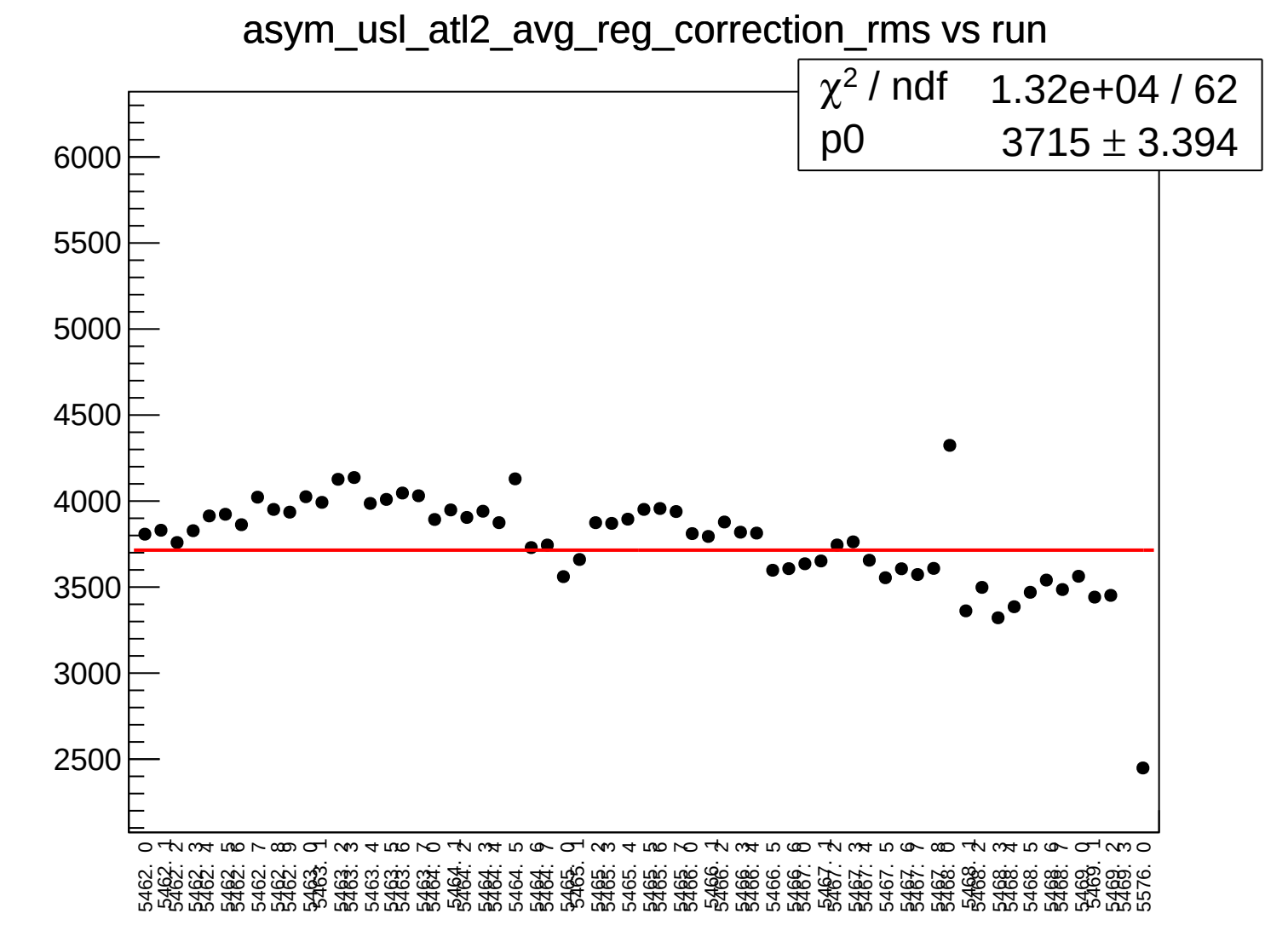

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 78.92 / 60
p0 1616 ± 1729
pull
Entries 61
Mean 9.242
Std Dev 0

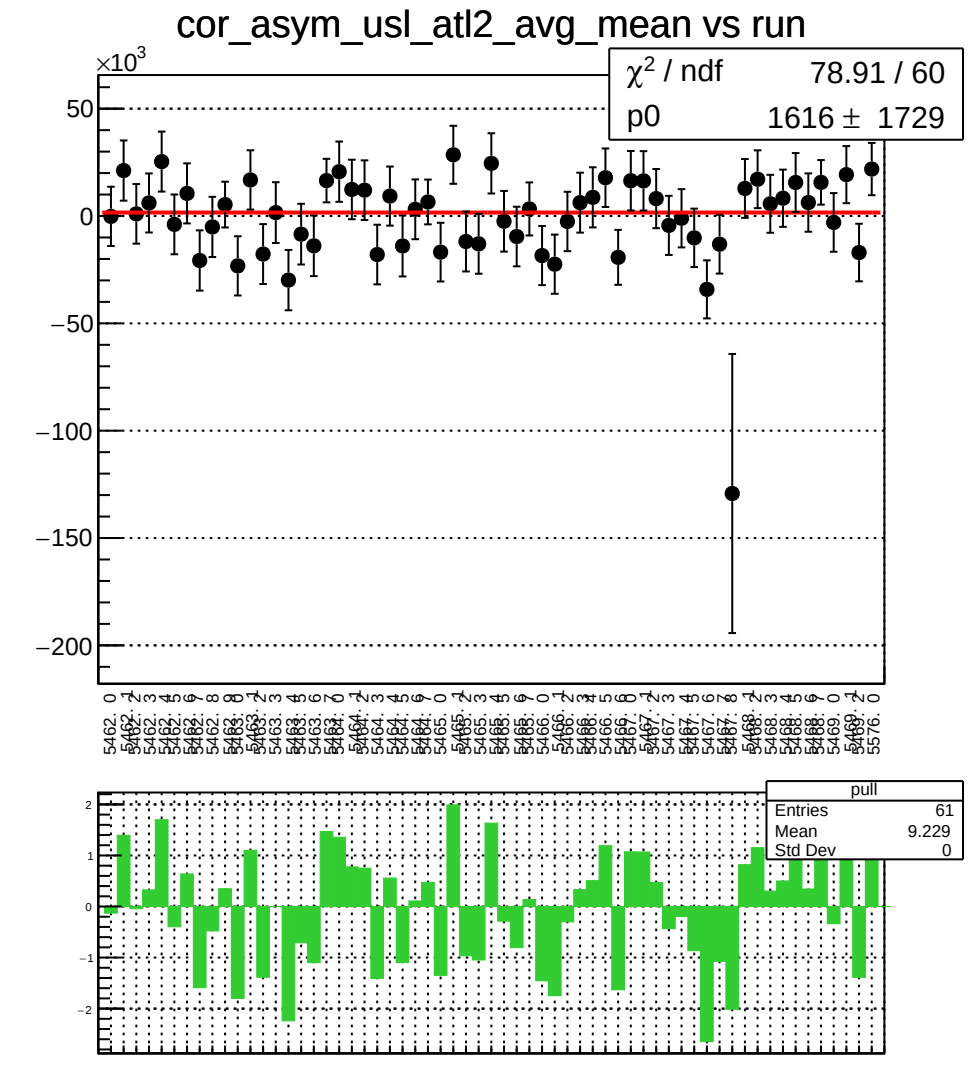

pull1D
Entries 61
Mean −0.04996
Std Dev 1.136

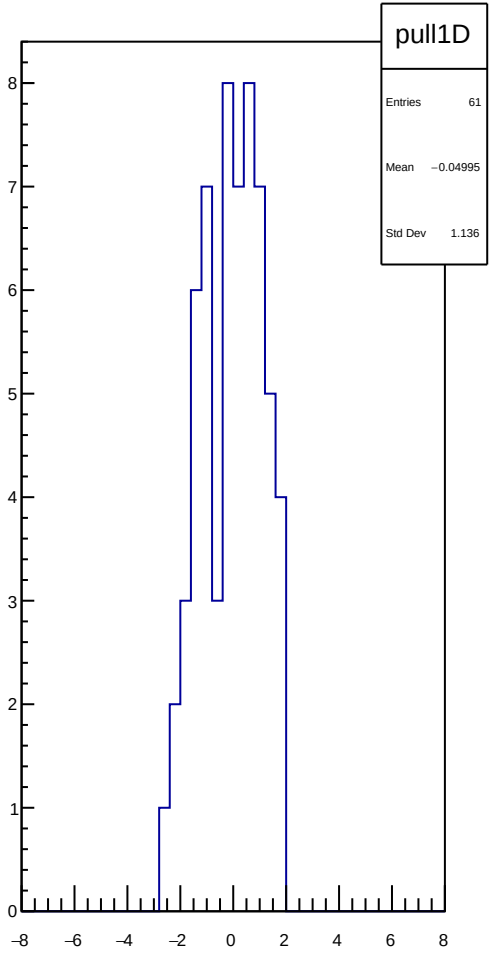

reg_asym_usl_atl2_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.419e+04 / 62
p0 1315 ± 1.223

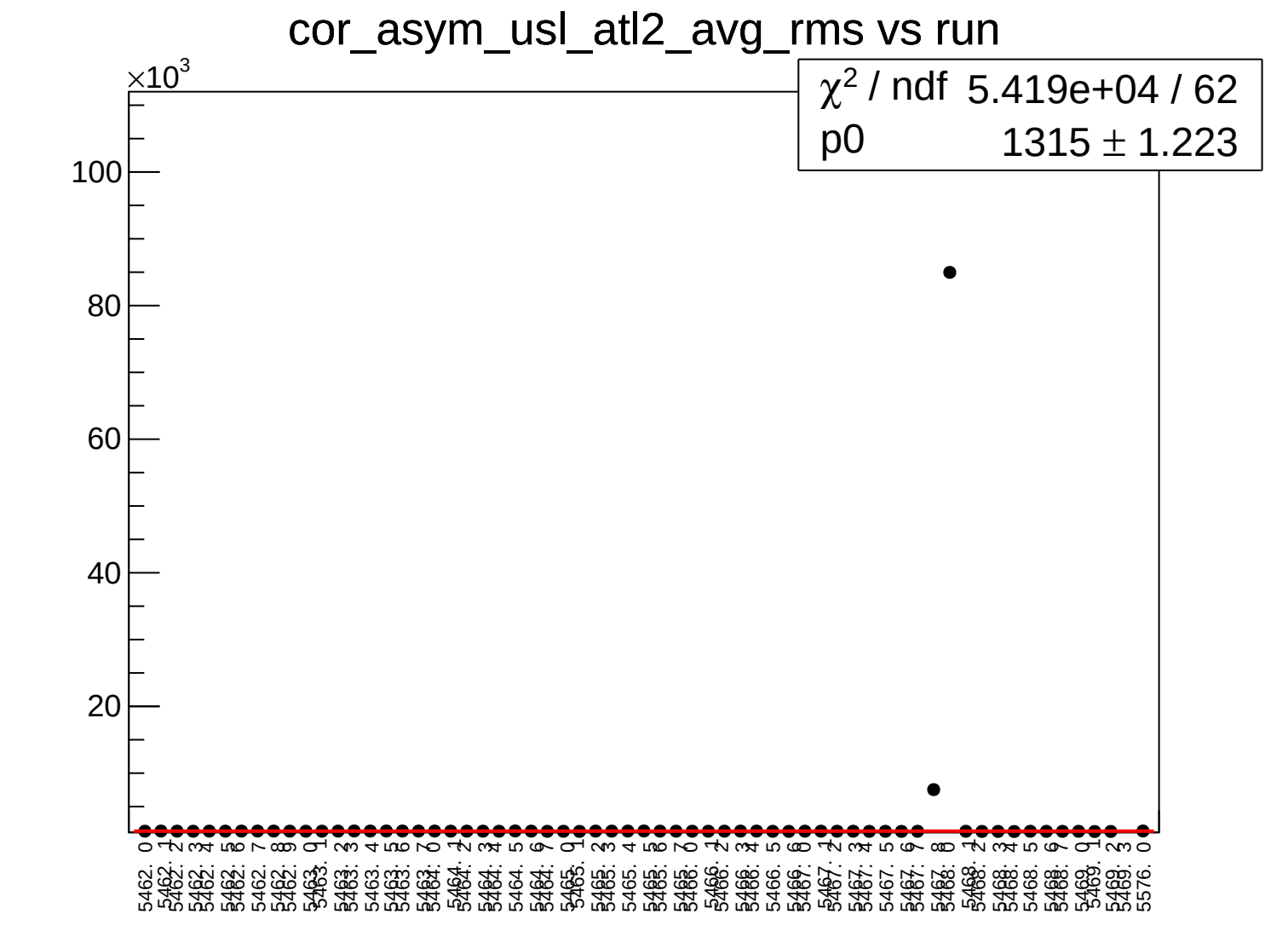

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 75.18 / 62
p0 −876.2 ± 4800
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 599.7
Std Dev 0
2
1
0
−1
−2
−3

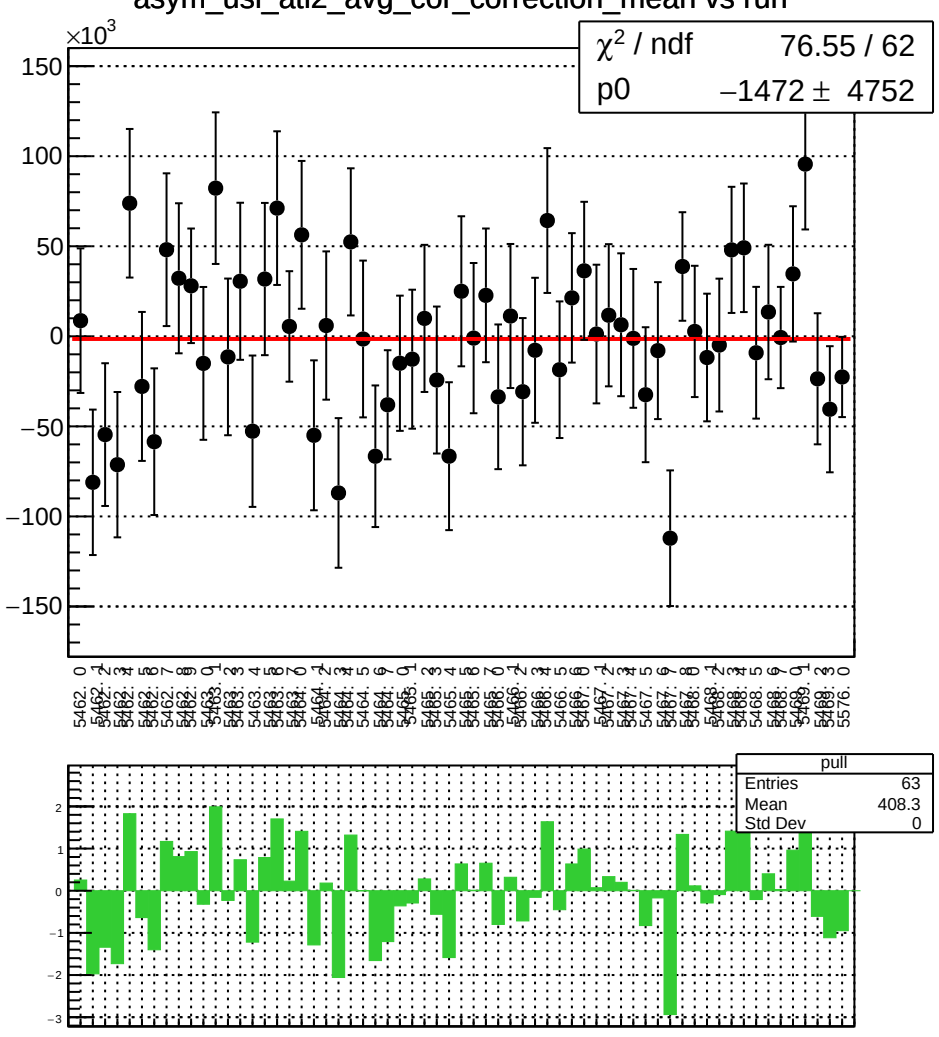

pull1D
Entries 63
Mean 0.003813
Std Dev 1.092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

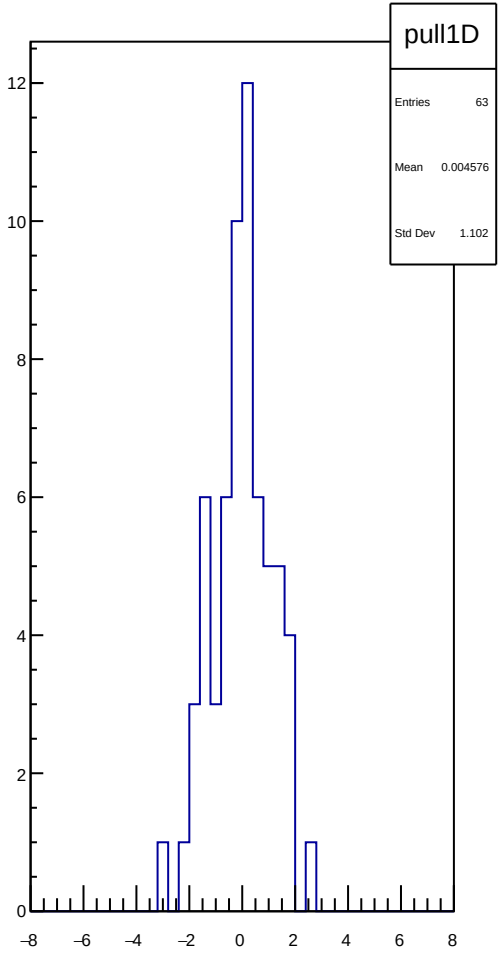

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1.32e+04 / 62
p0 3715 ± 3.394
6000
5500
5000
4500
4000
3500
3000
2500

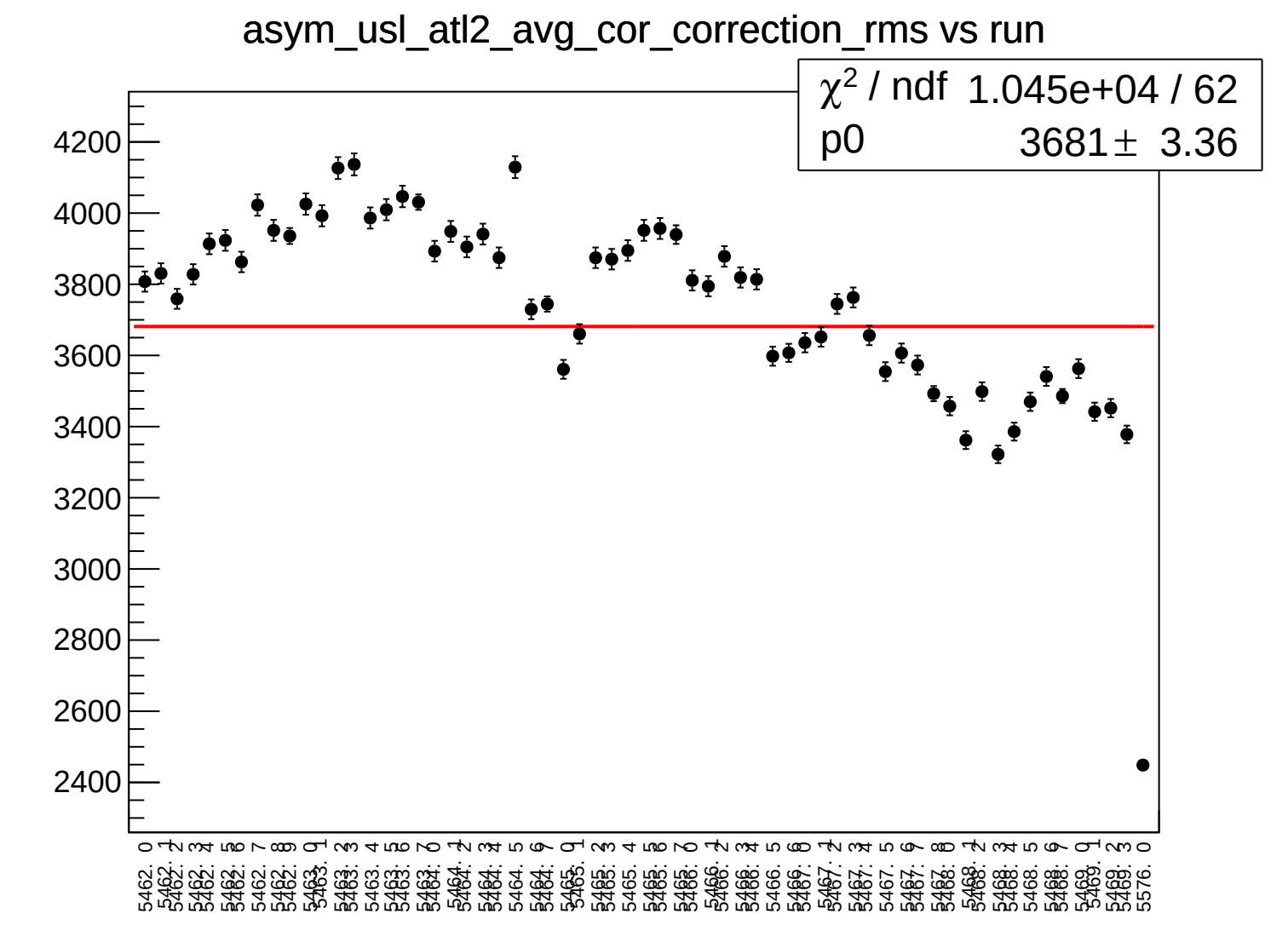

cor_asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 78.91 / 60
p0 1616 ± 1729
pull
Entries 61
Mean 9.229
Std Dev 0

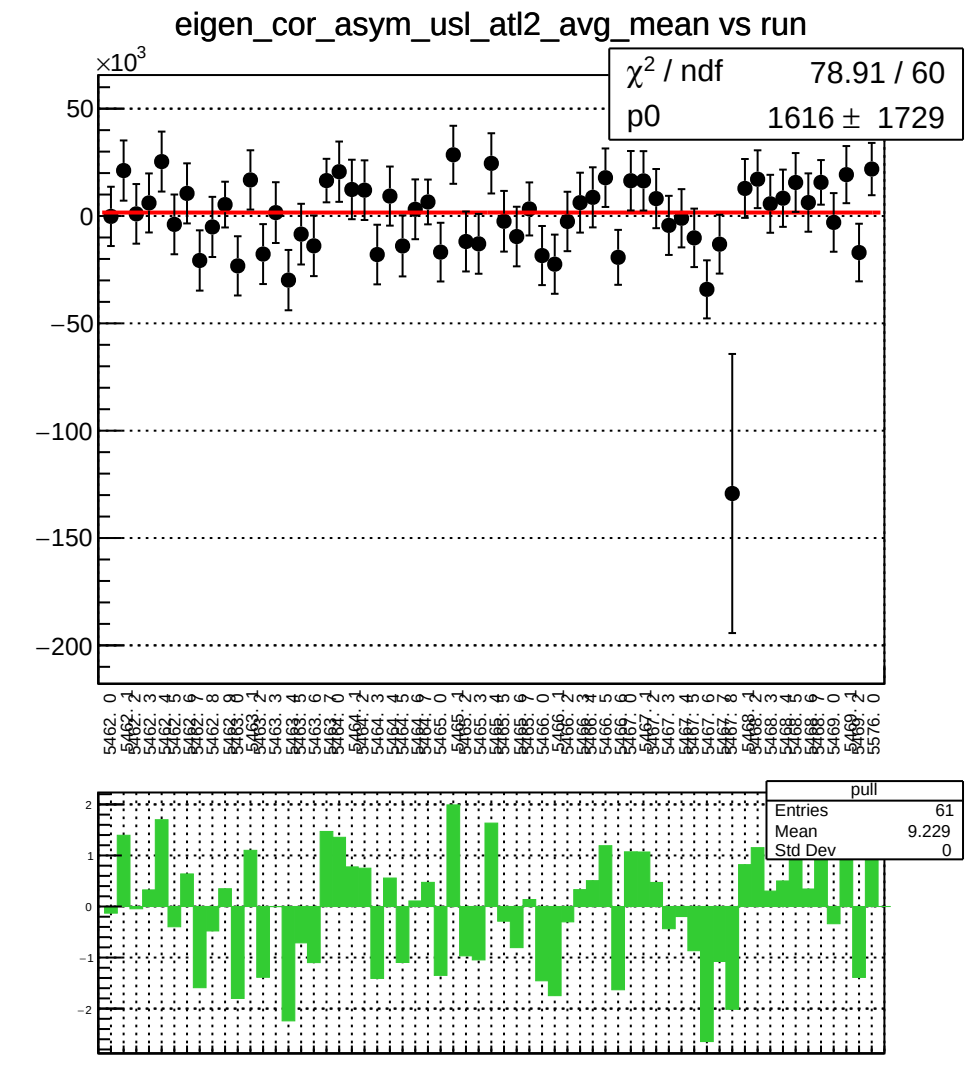

pull1D
Entries 61
Mean −0.04995
Std Dev 1.136

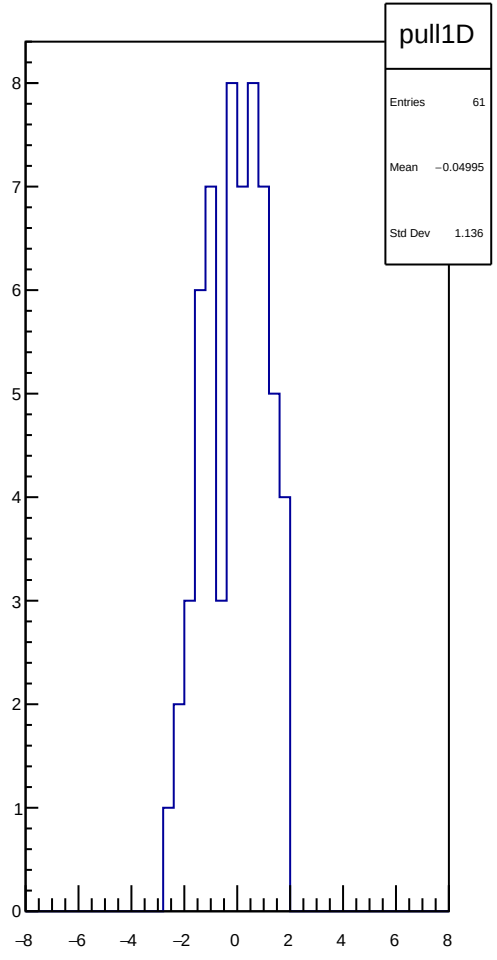

cor_asym_usl_atl2_avg_rms vs run
×10^3
χ^2 / ndf 5.419e+04 / 62
p0 1315 ± 1.223
100
80
60
40
20

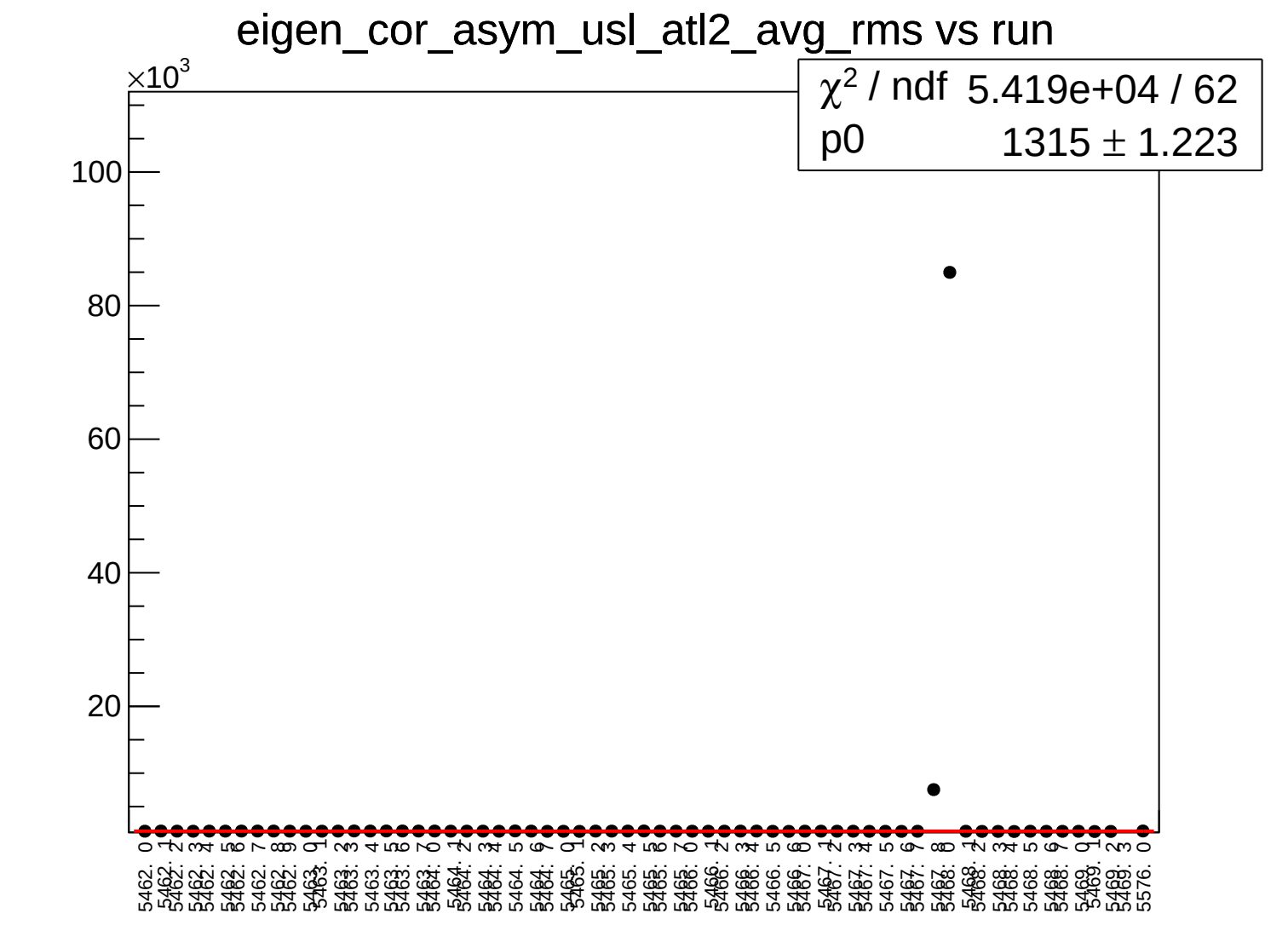

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 76.55 / 62
p0 −1472 ± 4752
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 408.3
Std Dev 0
2
1
0
−1
−2
−3

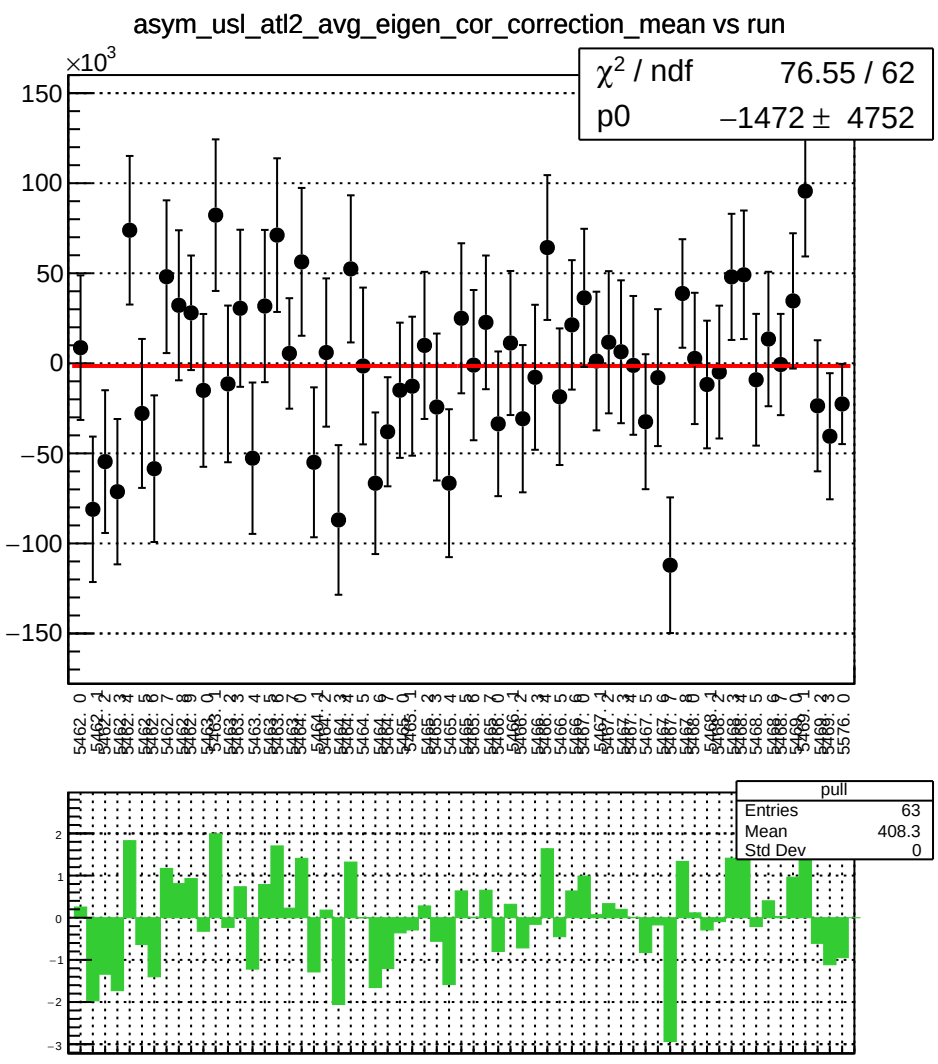

pull1D
Entries 63
Mean 0.004576
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

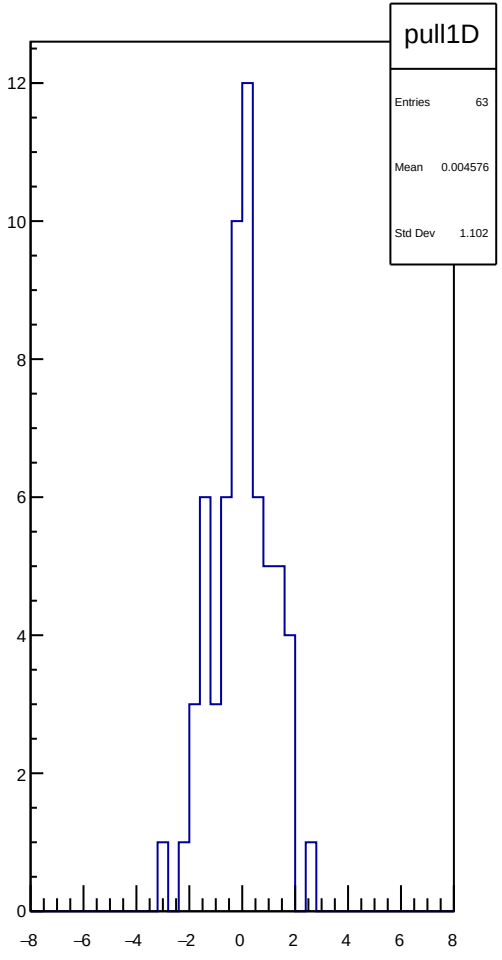

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1.045e+04 / 62
p0 3681 ± 3.36
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

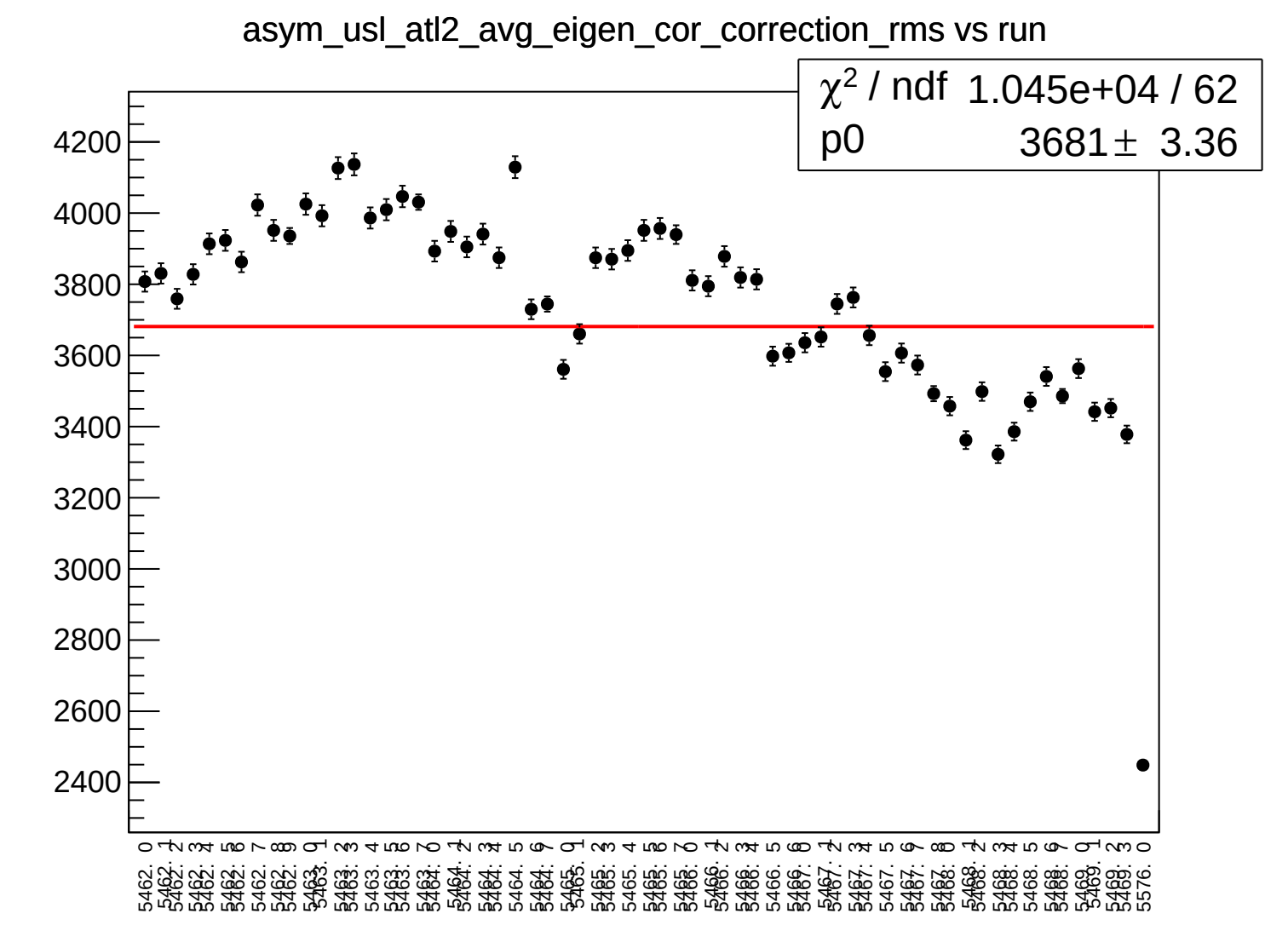

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 78.91 / 60
p0 1616 ± 1729
×10³
pull
Entries 61
Mean 9.229
Std Dev 0

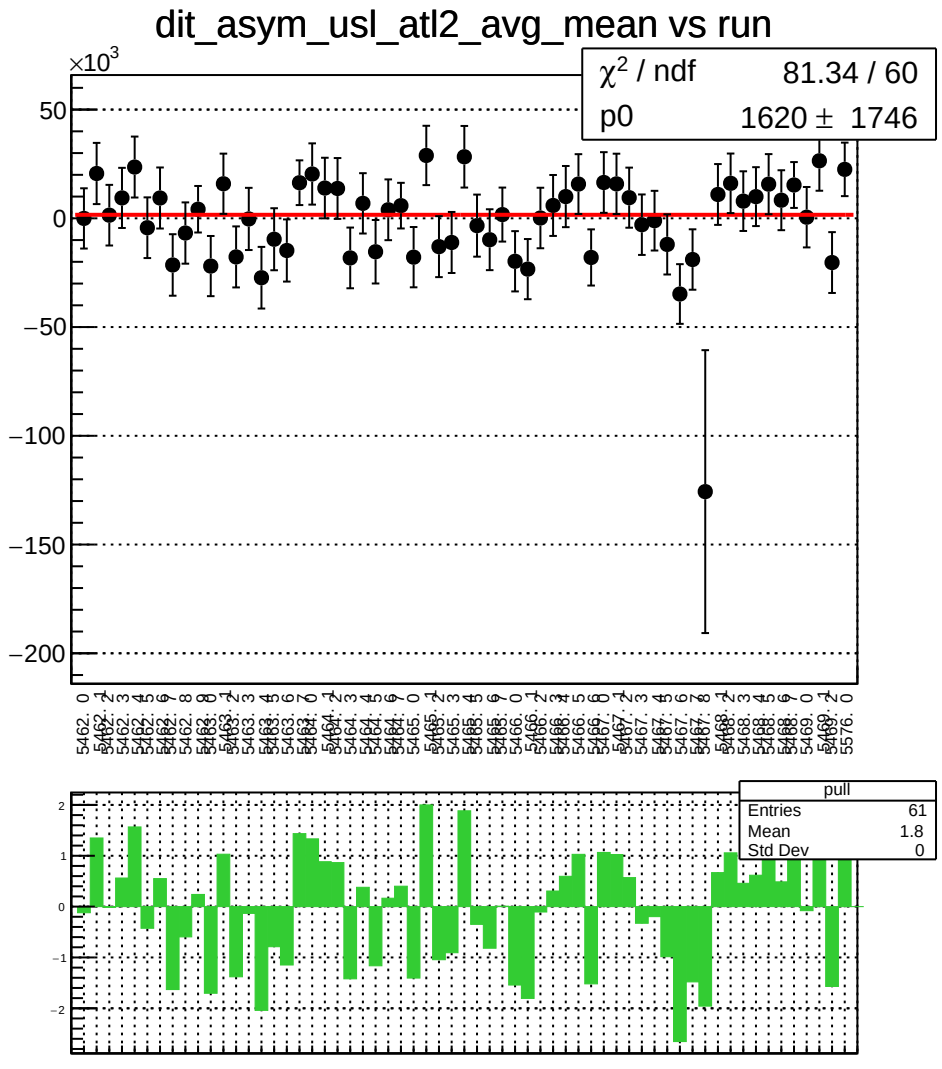

pull1D
Entries 61
Mean −0.04995
Std Dev 1.136

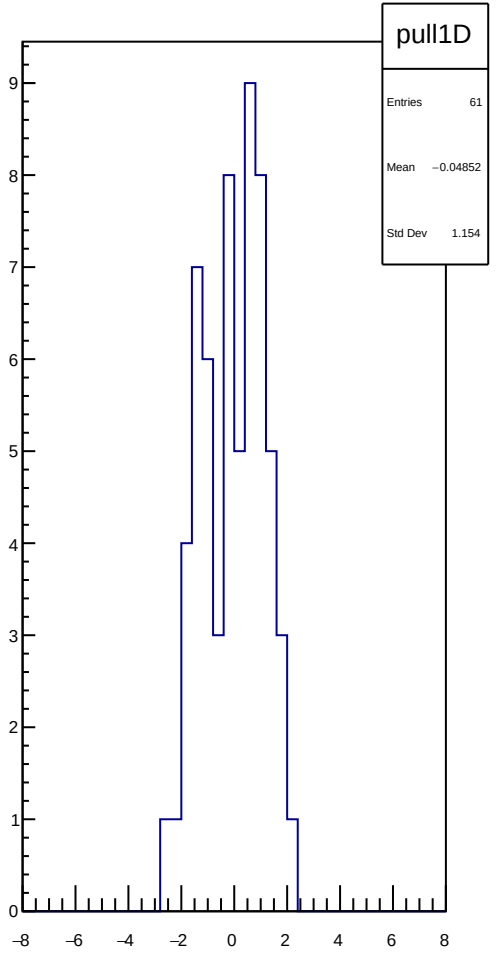

eigen_cor_asym_usl_atl2_avg_rms vs run
×10^3
χ^2 / ndf 5.419e+04 / 62
p0 1315 ± 1.223
100
80
60
40
20

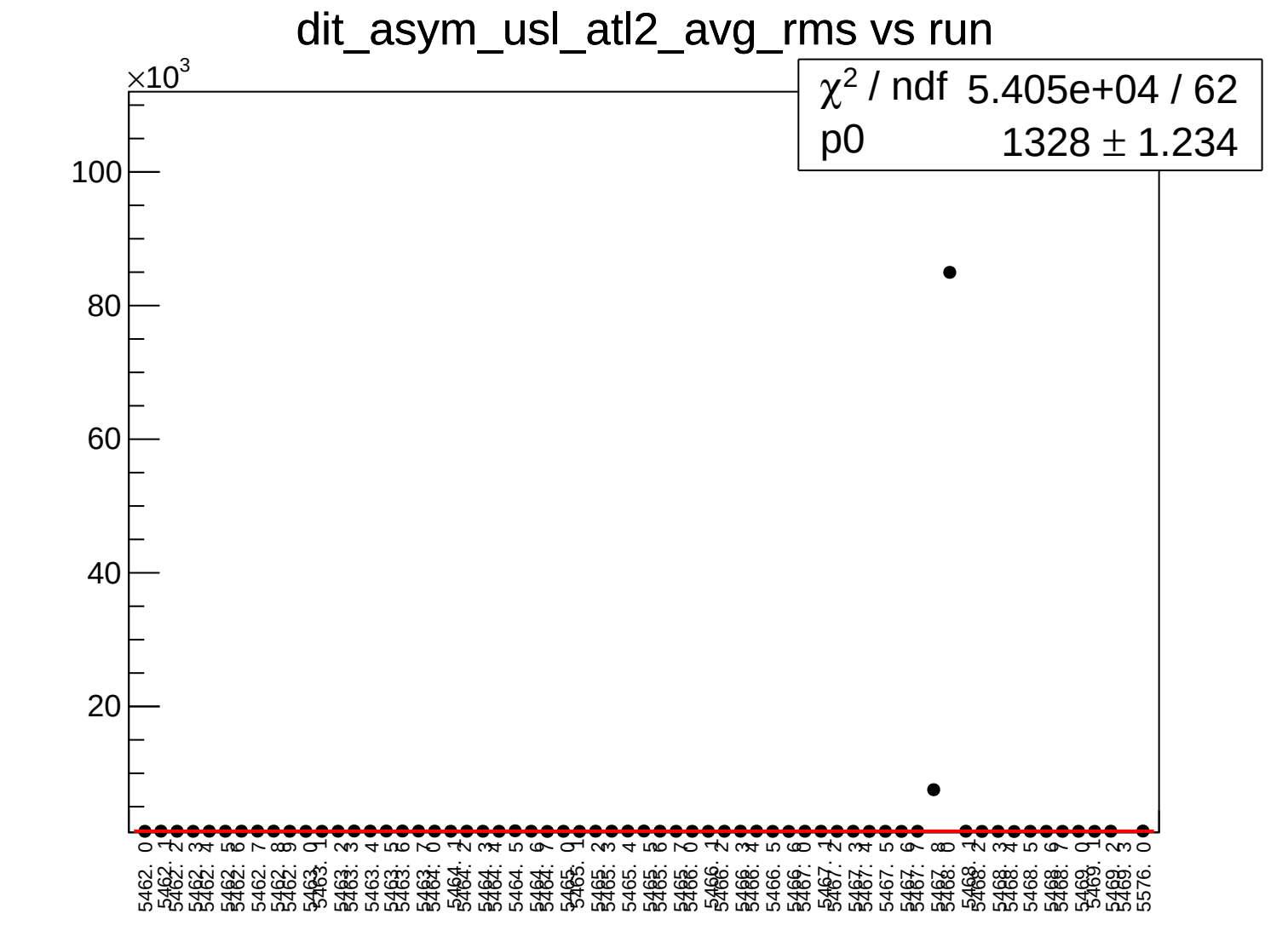

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 76.55 / 62
p0 −1472 ± 4752
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 408.3
Std Dev 0
2
1
0
−1
−2
−3

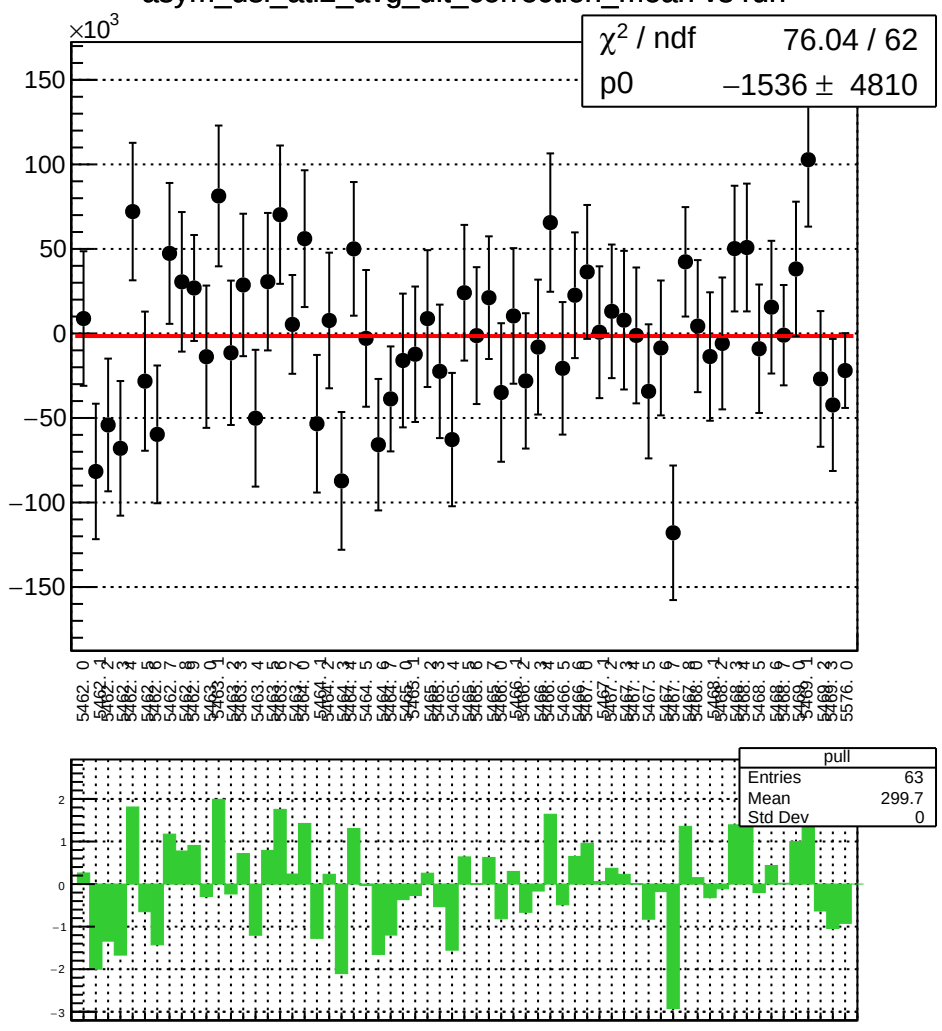

pull1D
Entries 63
Mean 0.004576
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

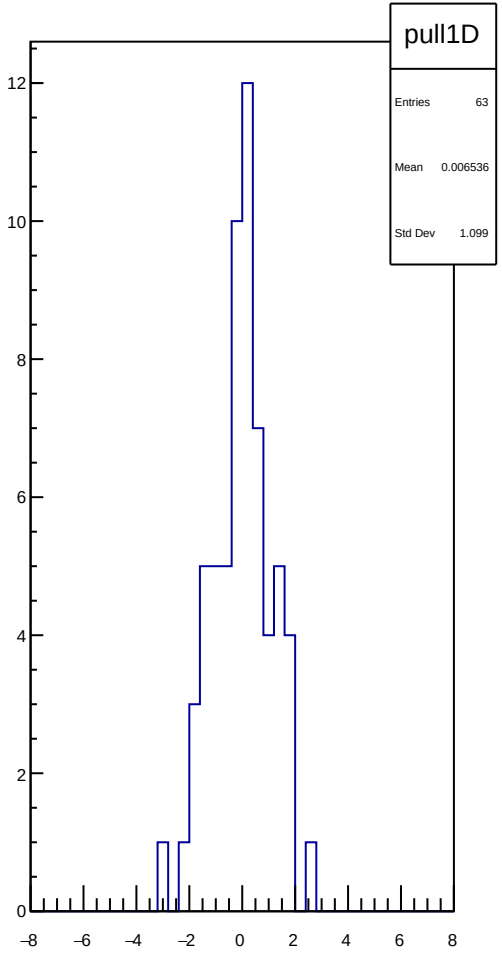

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.045e+04 / 62
p0 3681 ± 3.36
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

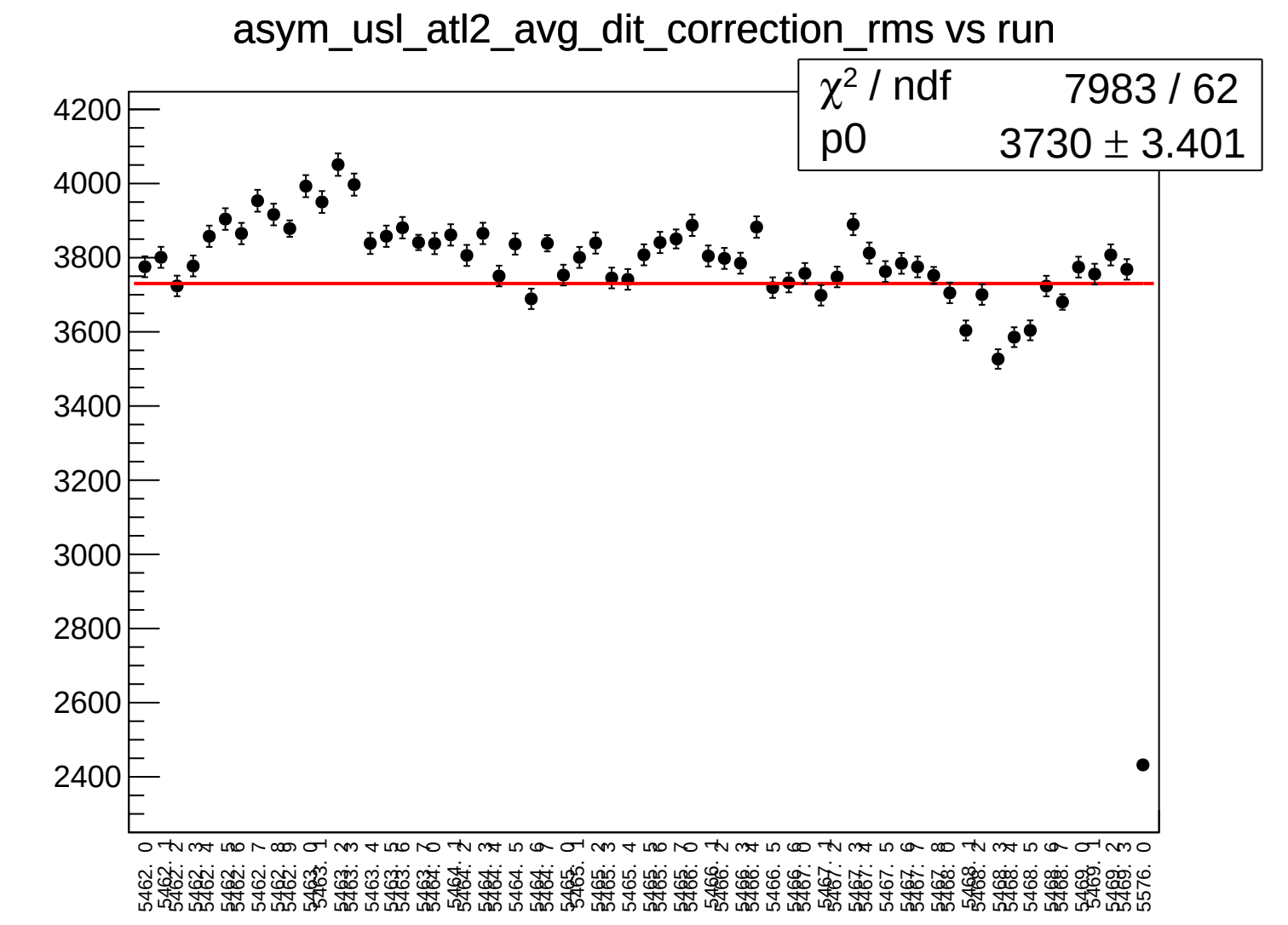

dit_asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 81.34 / 60
p0 1620 ± 1746
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 1.8
Std Dev 0
2
1
0
−1
−2

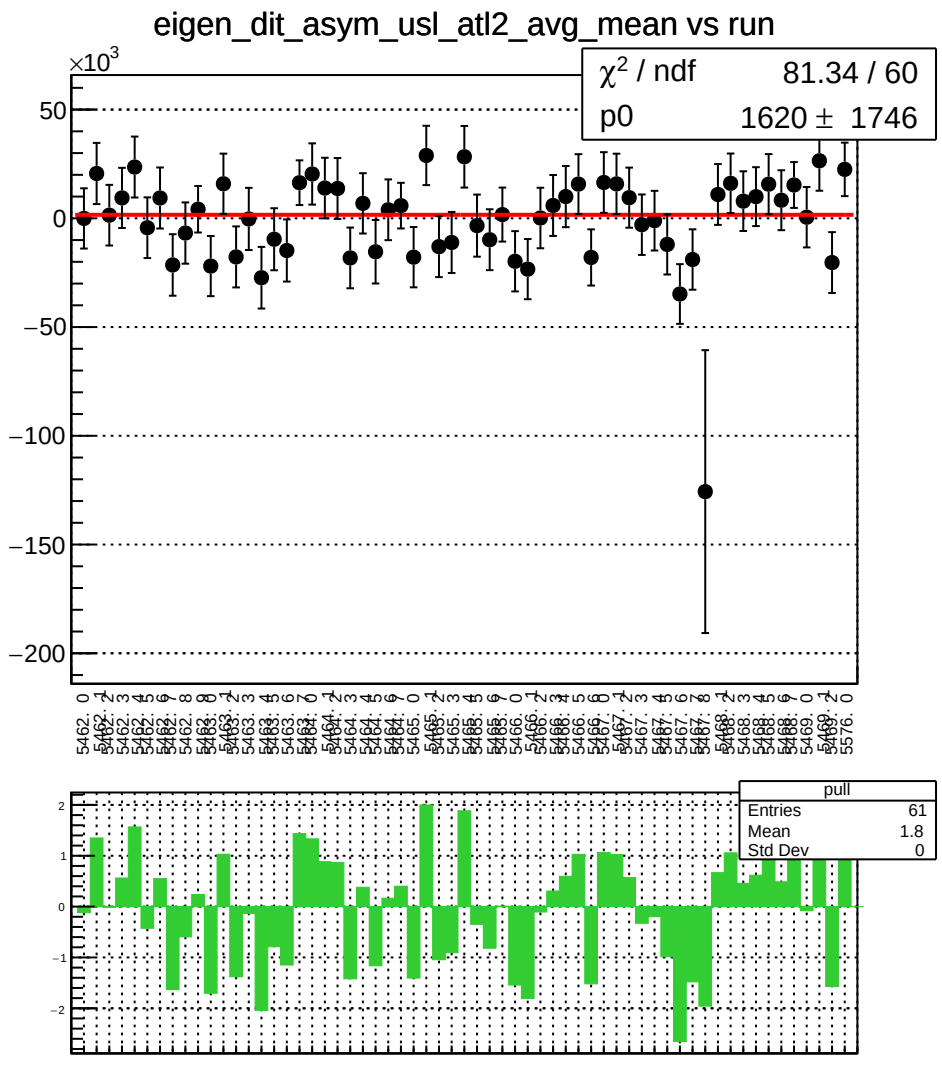

pull1D
Entries 61
Mean −0.04852
Std Dev 1.154
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

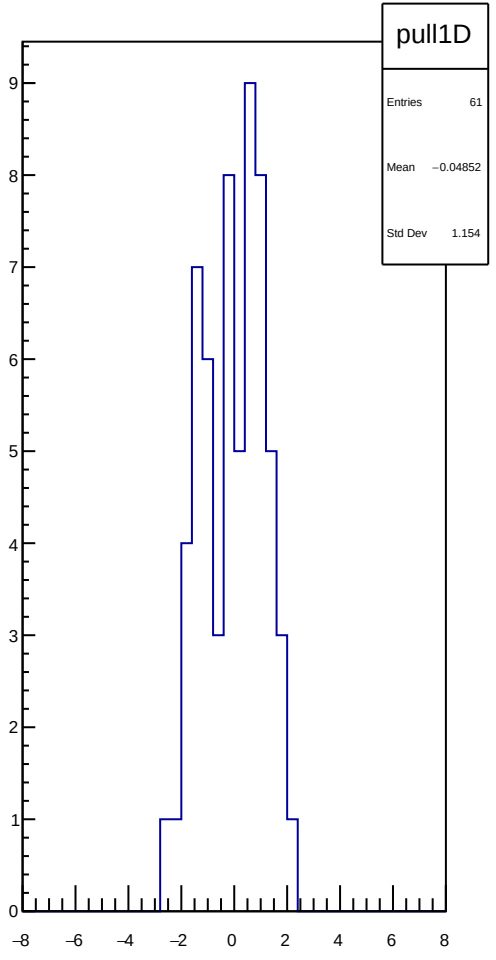

dit_asym_usl_atl2_avg_rms vs run
×10^3
χ^2 / ndf 5.405e+04 / 62
p0 1328 ± 1.234
100
80
60
40
20

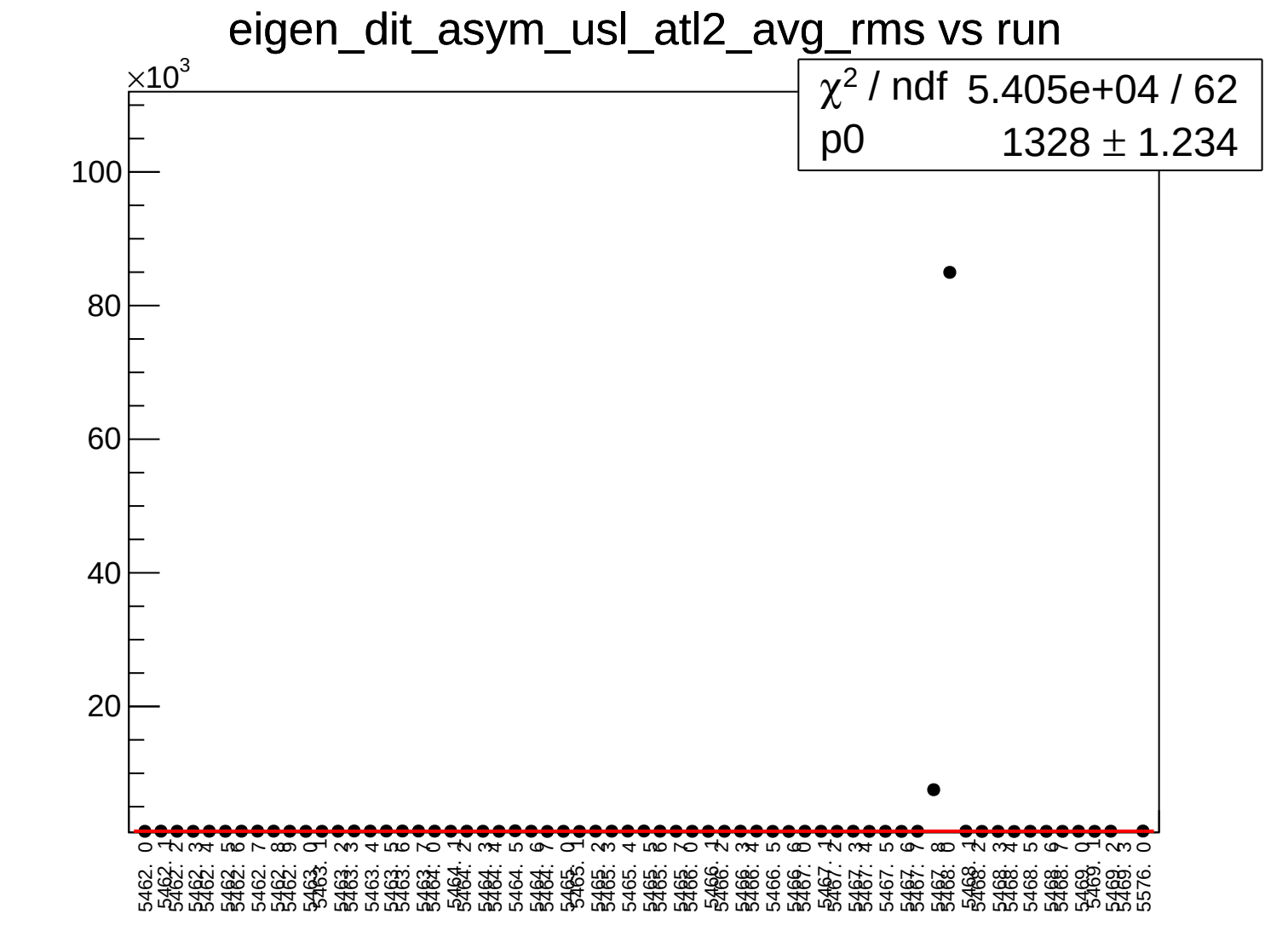

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 76.04 / 62
p0 −1536 ± 4810
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 299.7
Std Dev 0
2
1
0
−1
−2
−3

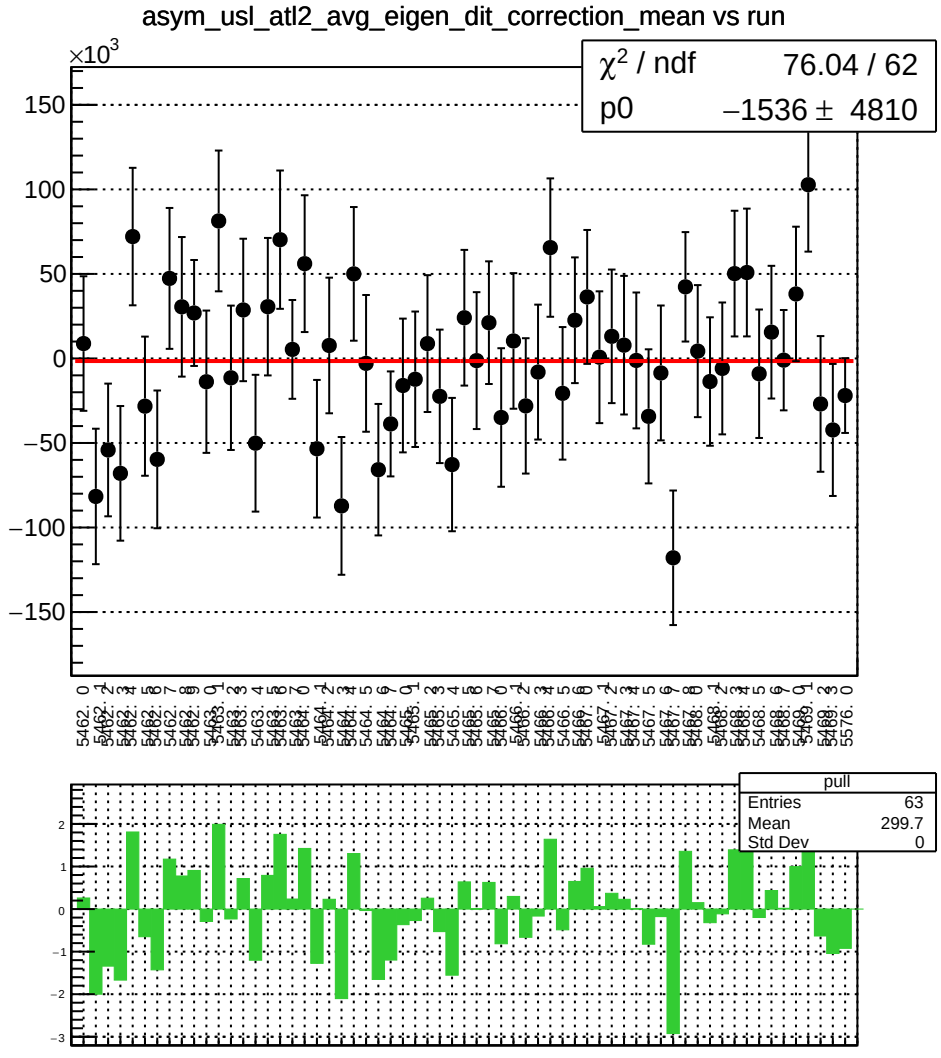

pull1D
Entries 63
Mean 0.006536
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

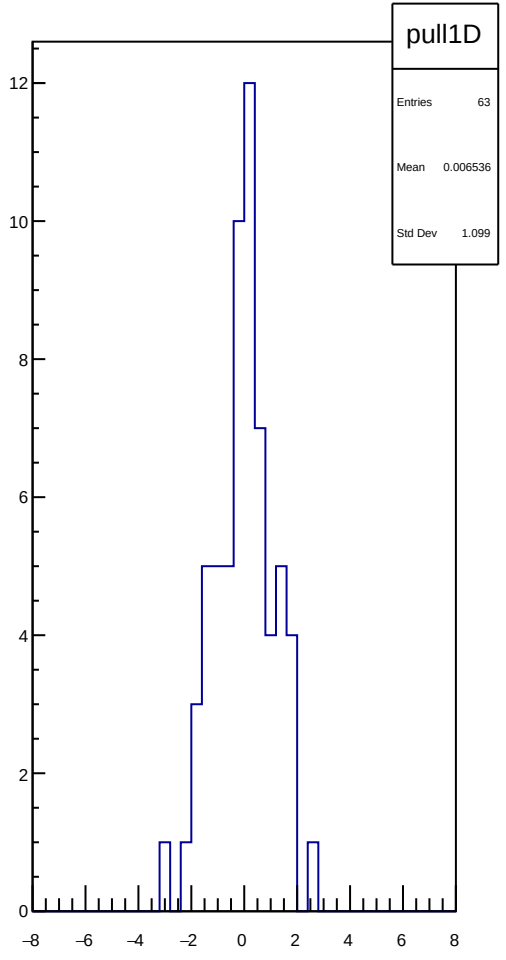

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 7983 / 62
p0 3730 ± 3.401
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

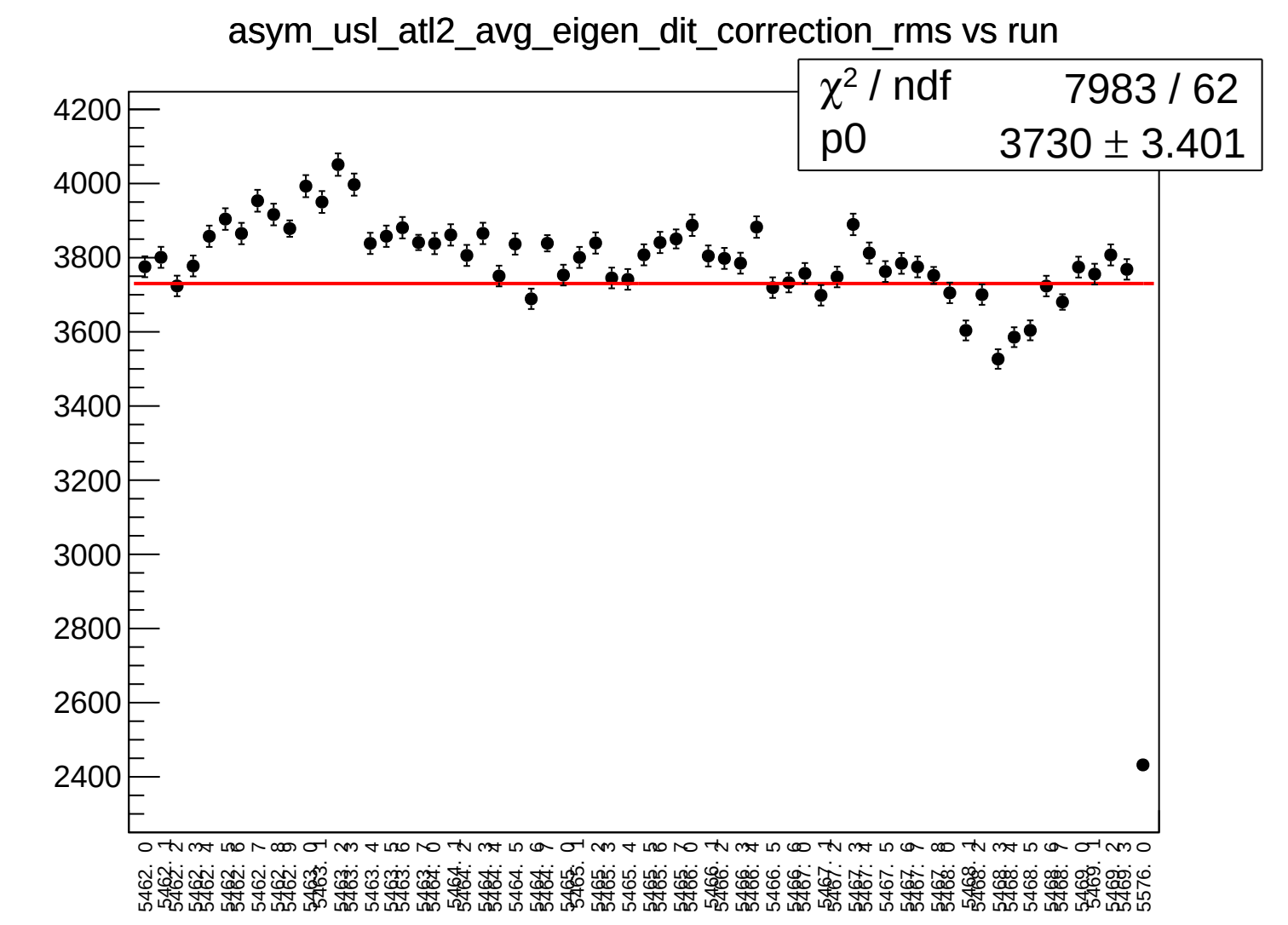

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 81.34 / 60
p0 1620 ± 1746
×10³
pull
Entries 61
Mean 1.8
Std Dev 0

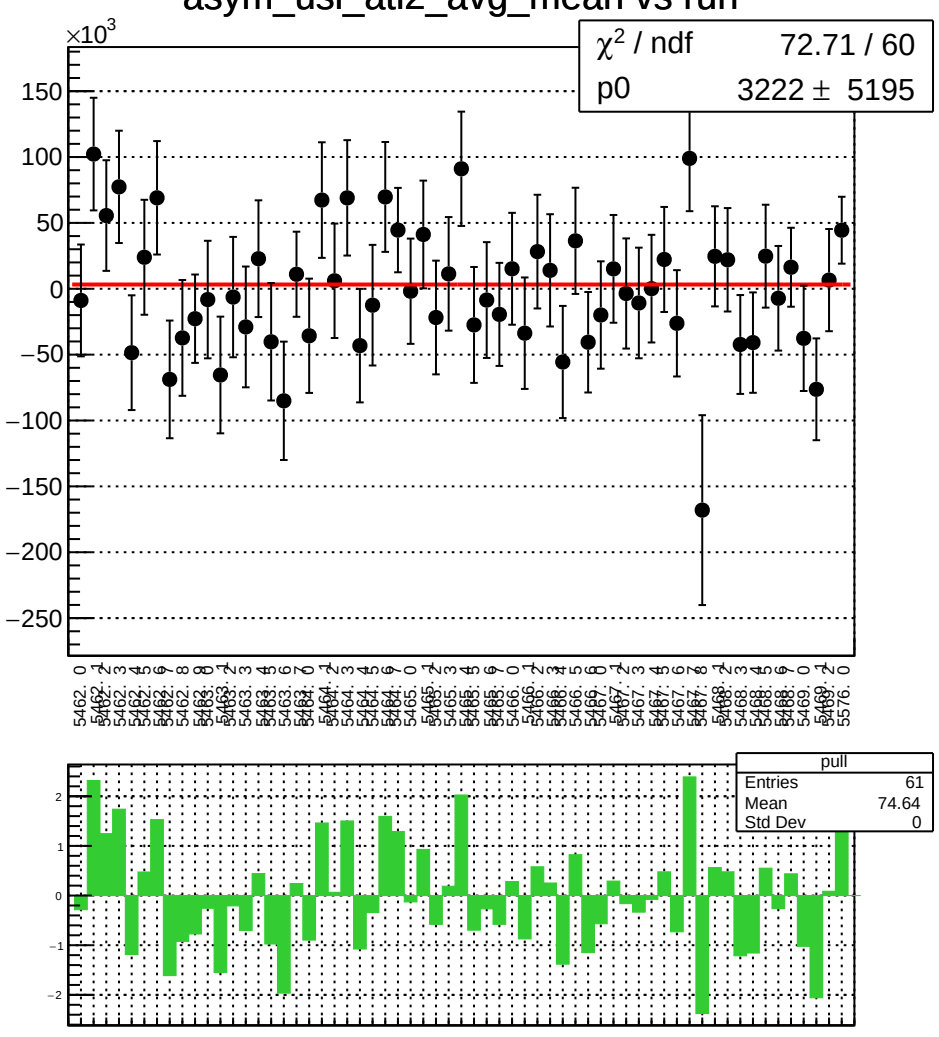

pull1D
Entries 61
Mean −0.04852
Std Dev 1.154

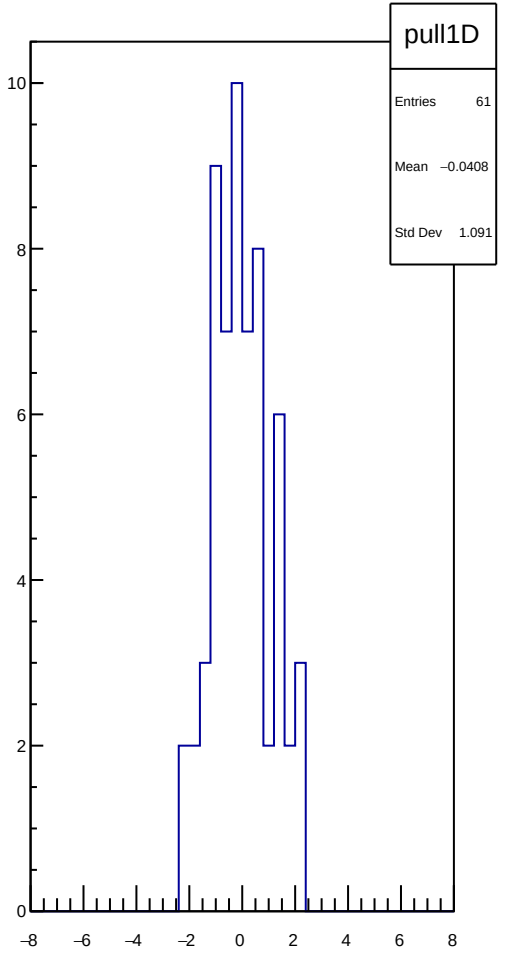

eigen_dit_asym_usl_atl2_avg_rms vs run
×10^3
χ² / ndf 5.405e+04 / 62
p0 1328 ± 1.234
100
80
60
40
20

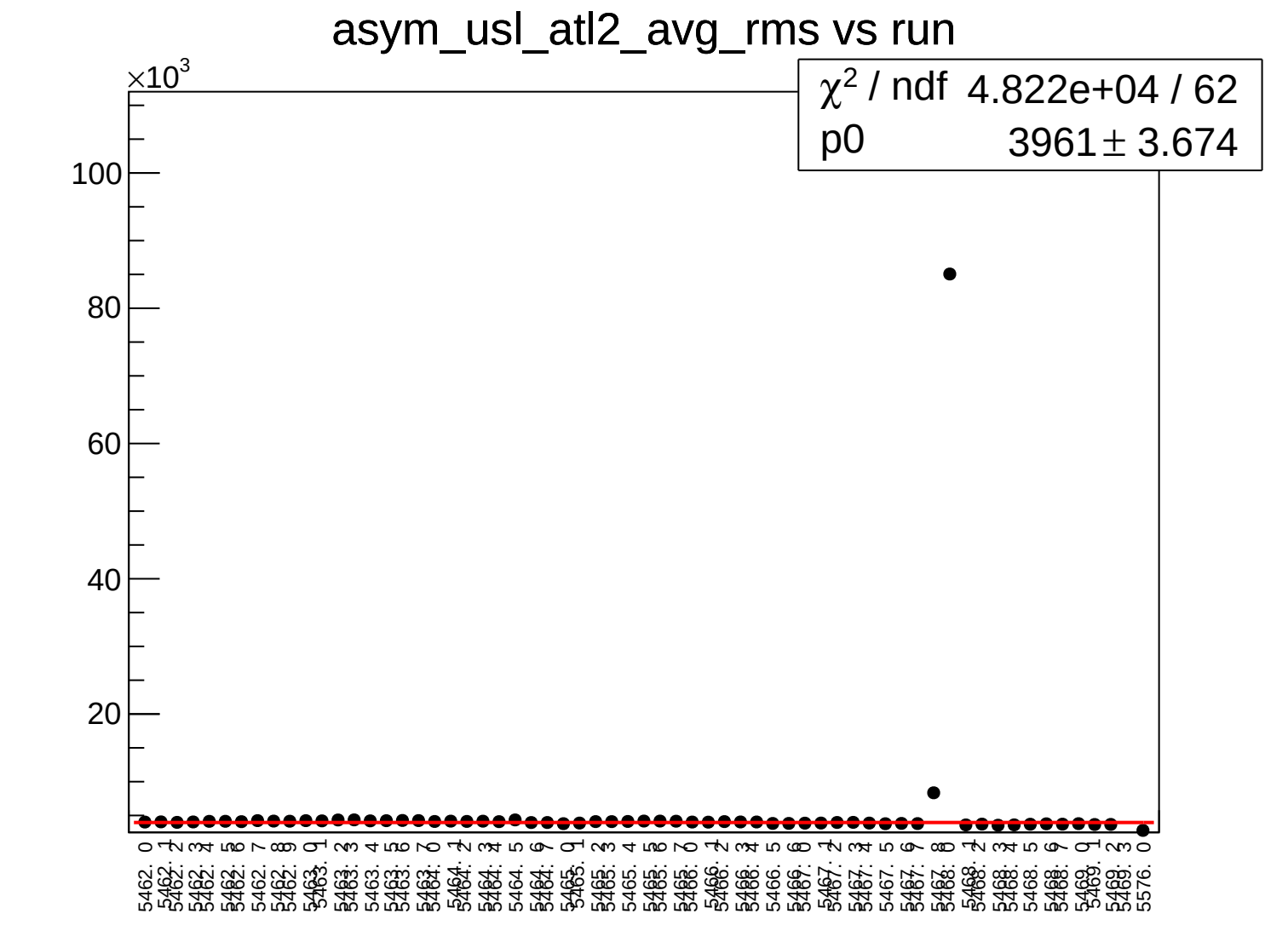

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 76.04 / 62
p0 −1536 ± 4810
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 299.7
Std Dev 0
2
1
0
−1
−2
−3

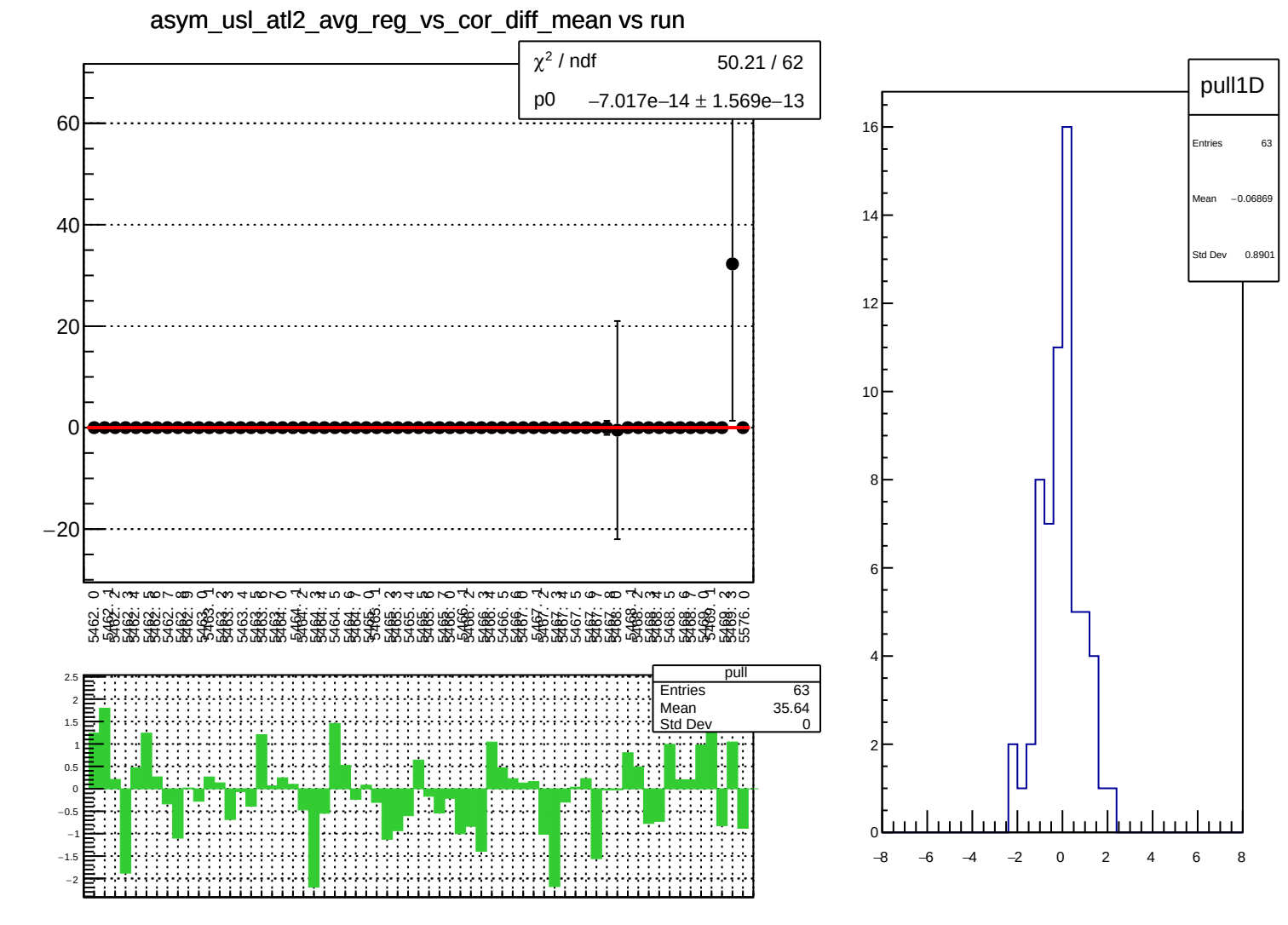

pull1D
Entries 63
Mean 0.006536
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

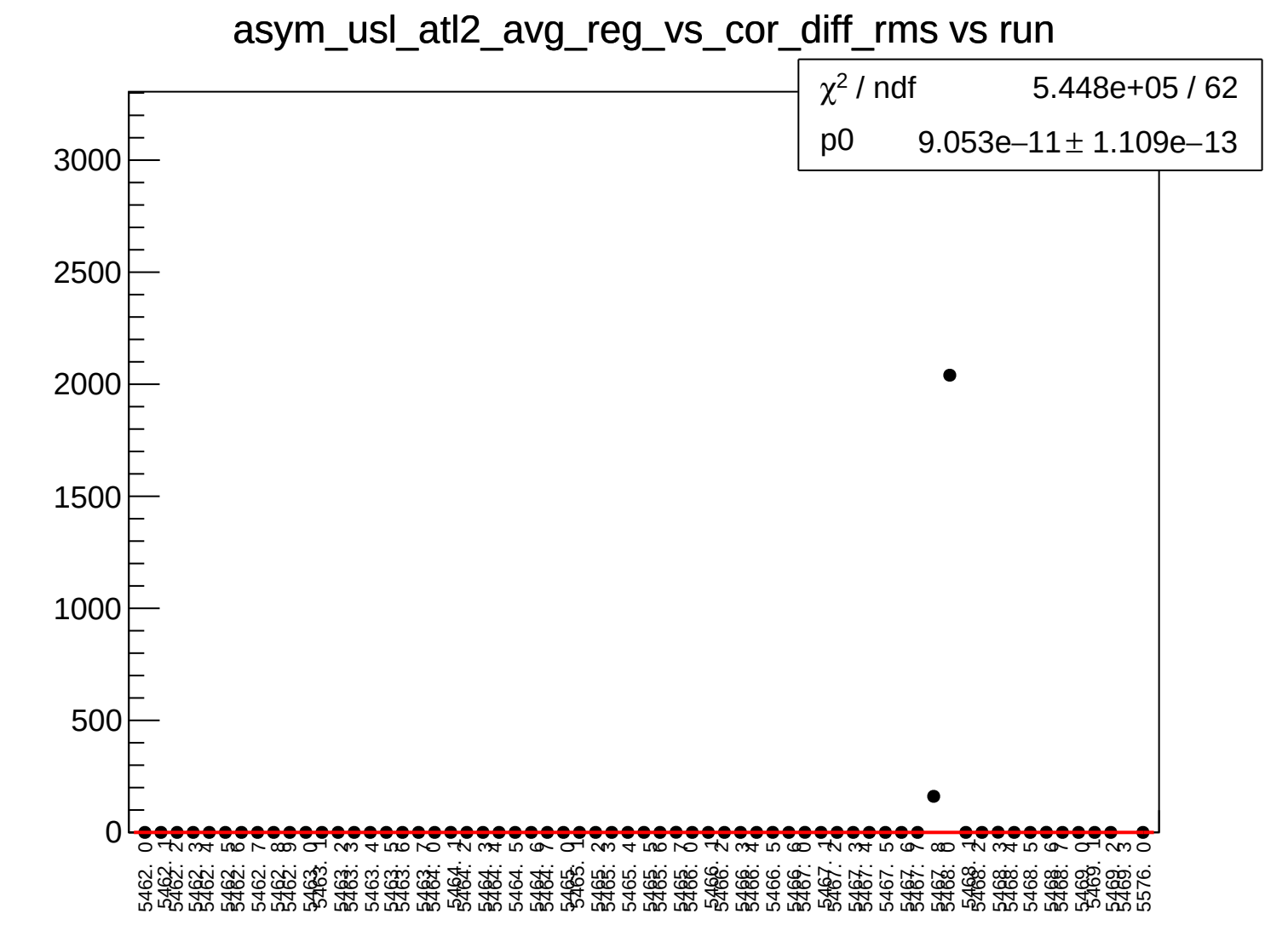

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7983 / 62
p0 3730 ± 3.401
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400

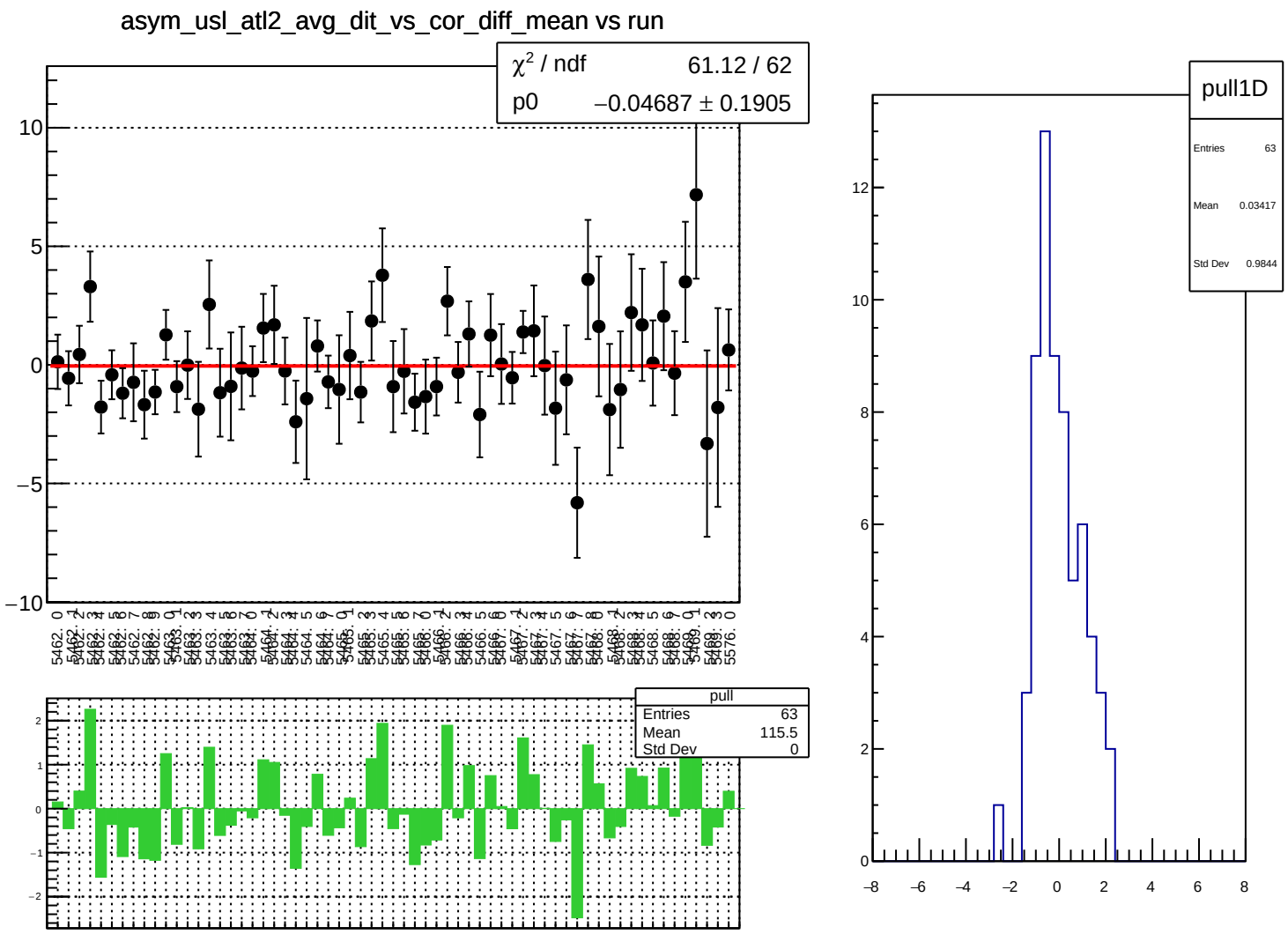

asym_usl_atl2_avg_mean vs run
χ² / ndf 72.71 / 60
p0 3222 ± 5195
pull
Entries 61
Mean 74.64
Std Dev 0

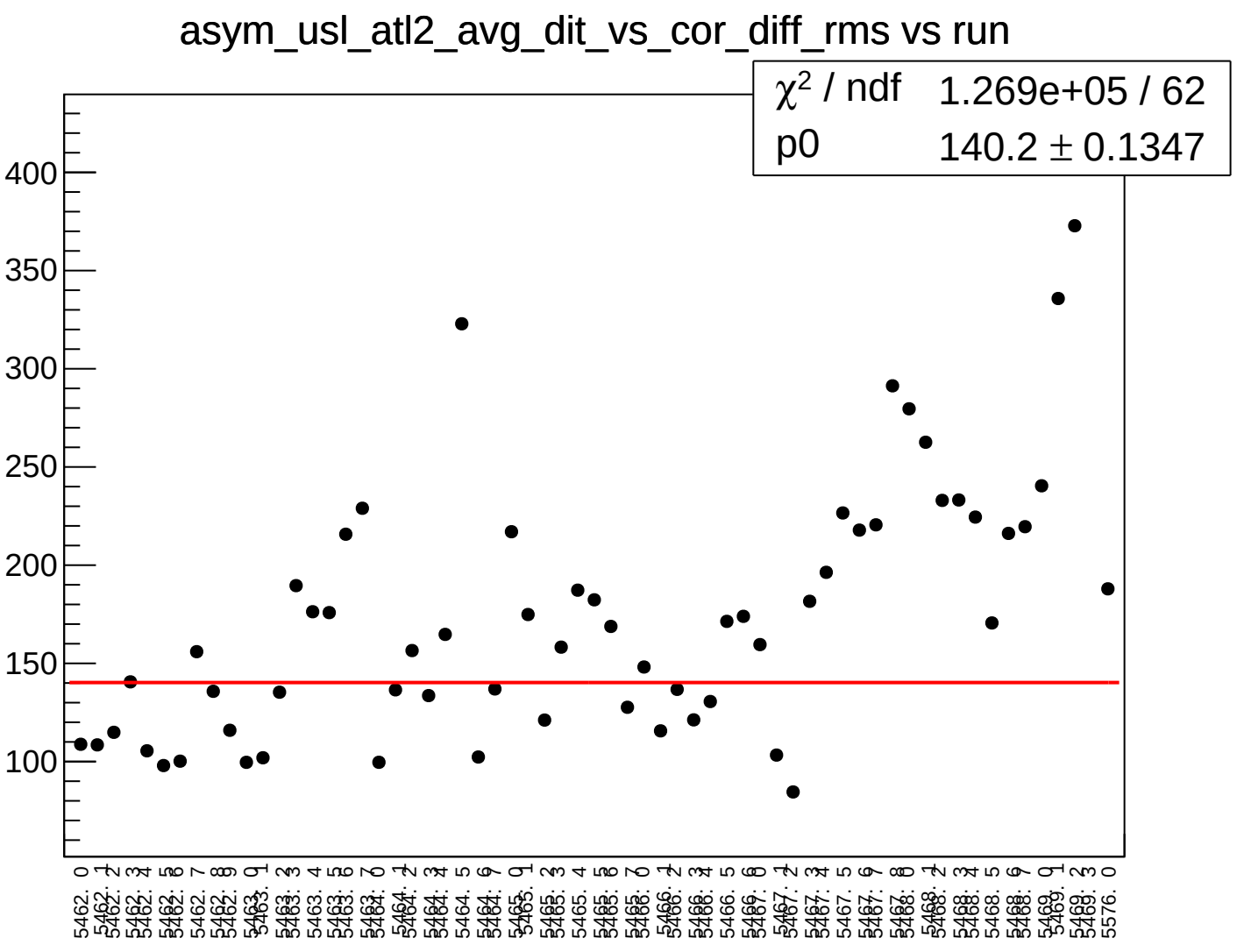

pull1D
Entries 61
Mean −0.0408
Std Dev 1.091

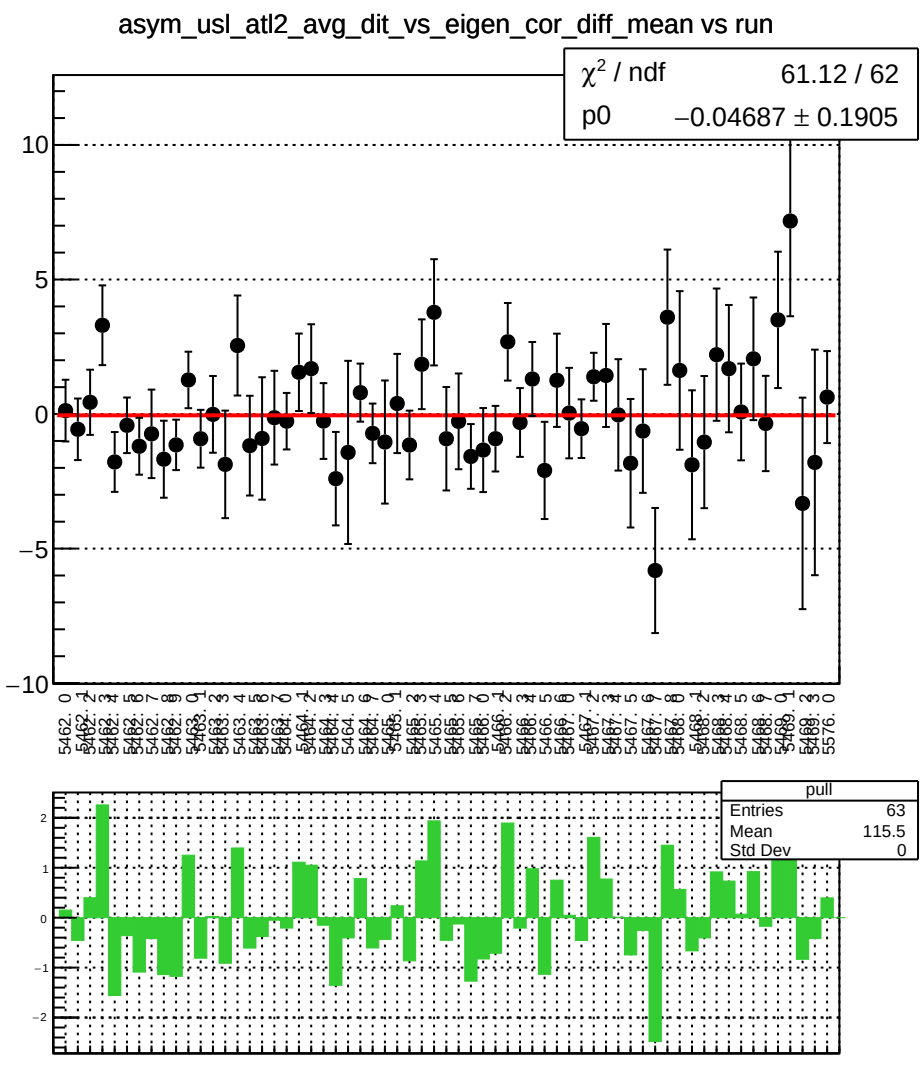

asym_usl_atl2_avg_rms vs run
×10^3
χ^2 / ndf 4.822e+04 / 62
p0 3961 ± 3.674
100
80
60
40
20

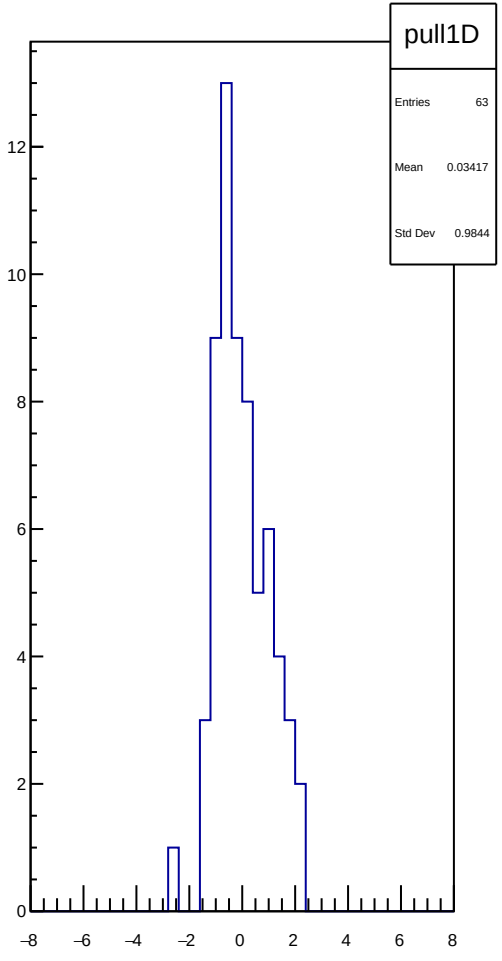

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 62
p0 −7.017e−14 ± 1.569e−13
pull
Entries 63
Mean 35.64
Std Dev 0
pull1D
Entries 63
Mean −0.06869
Std Dev 0.8901

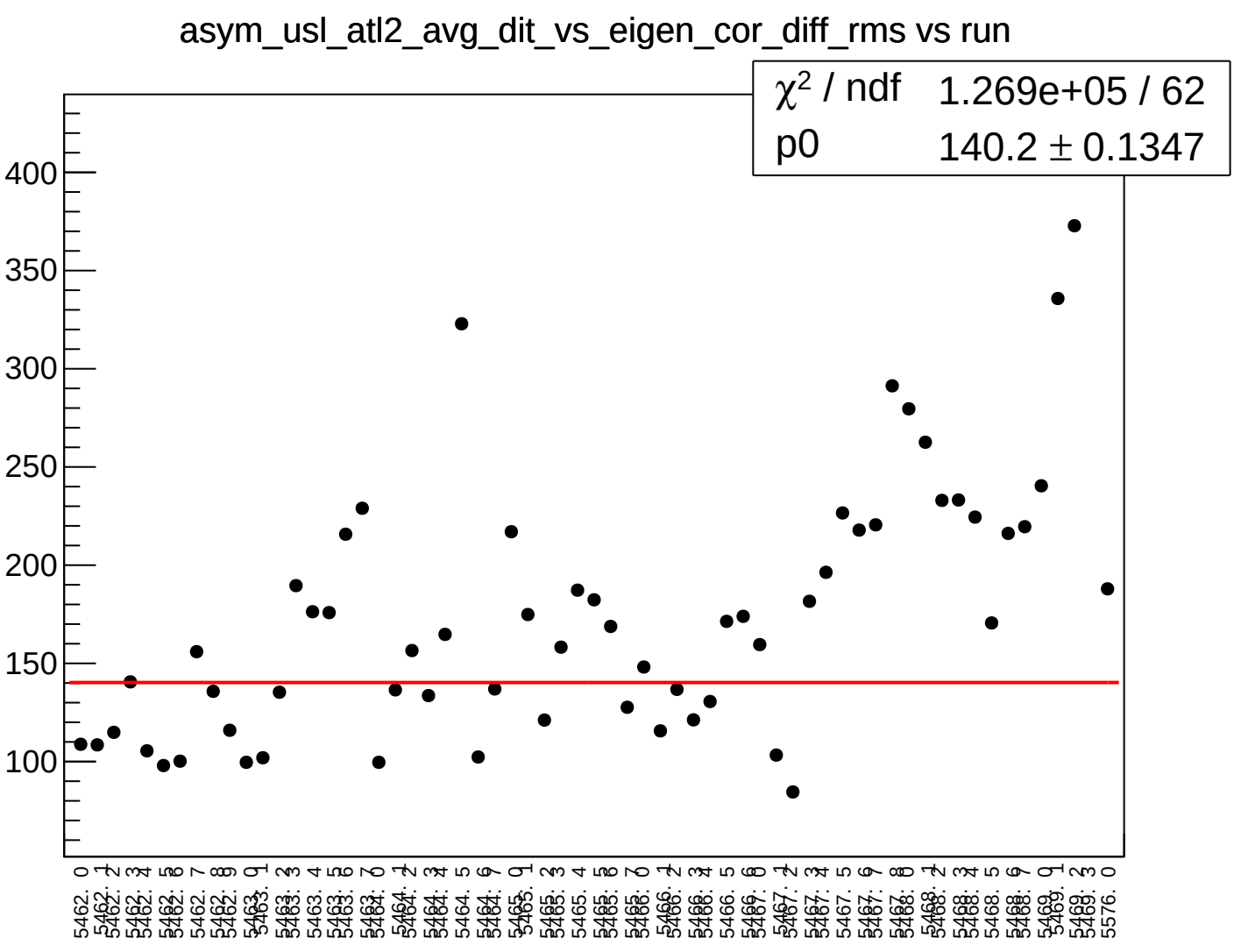

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.448e+05 / 62
p0 9.053e−11 ± 1.109e−13
3000
2500
2000
1500
1000
500
0

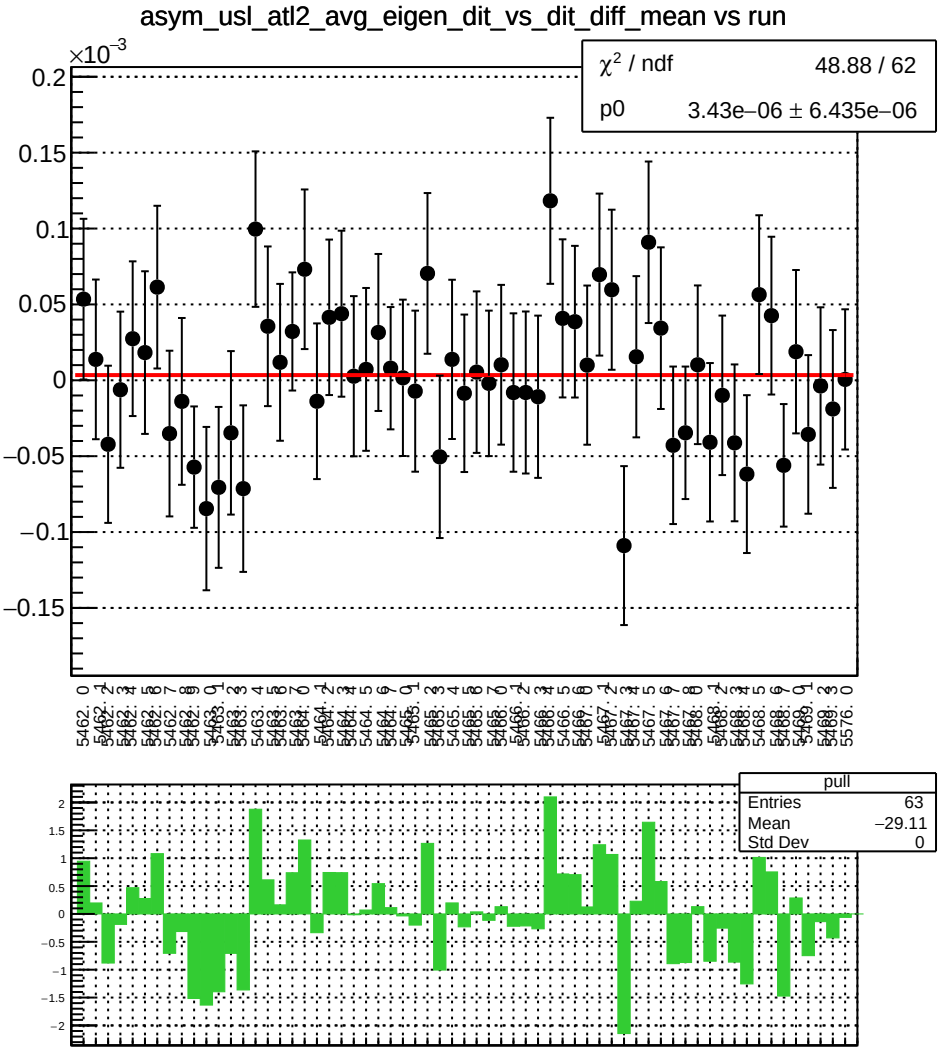

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.12 / 62
p0 −0.04687 ± 0.1905
pull
Entries 63
Mean 115.5
Std Dev 0
pull1D
Entries 63
Mean 0.03417
Std Dev 0.9844

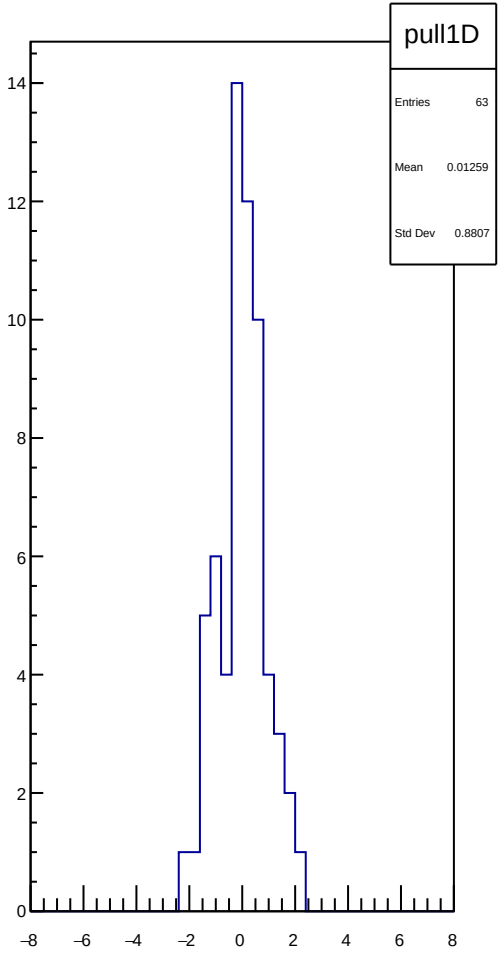

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.269e+05 / 62
p0 140.2 ± 0.1347
400
350
300
250
200
150
100

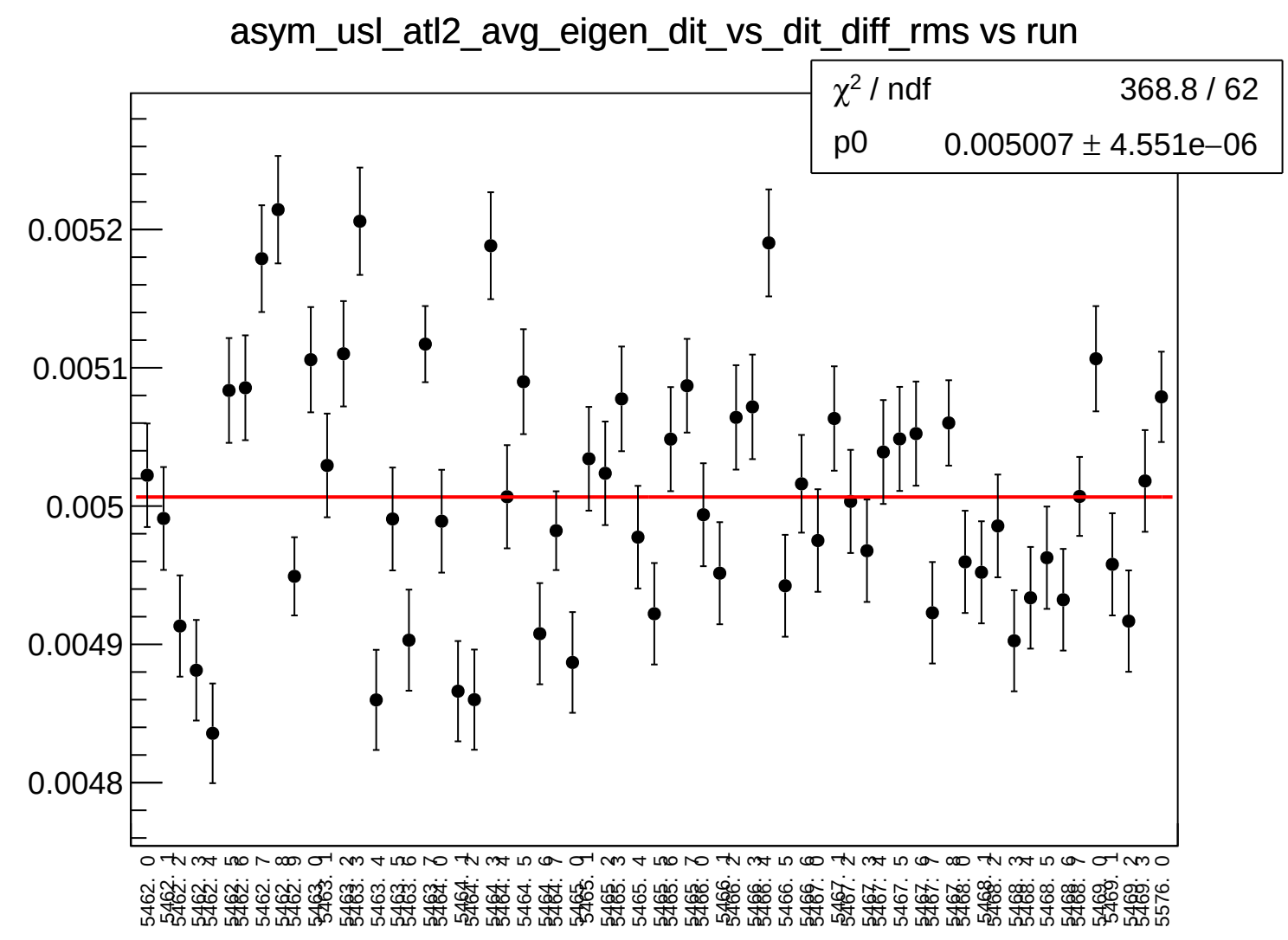

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.12 / 62
p0 −0.04687 ± 0.1905
pull
Entries 63
Mean 115.5
Std Dev 0

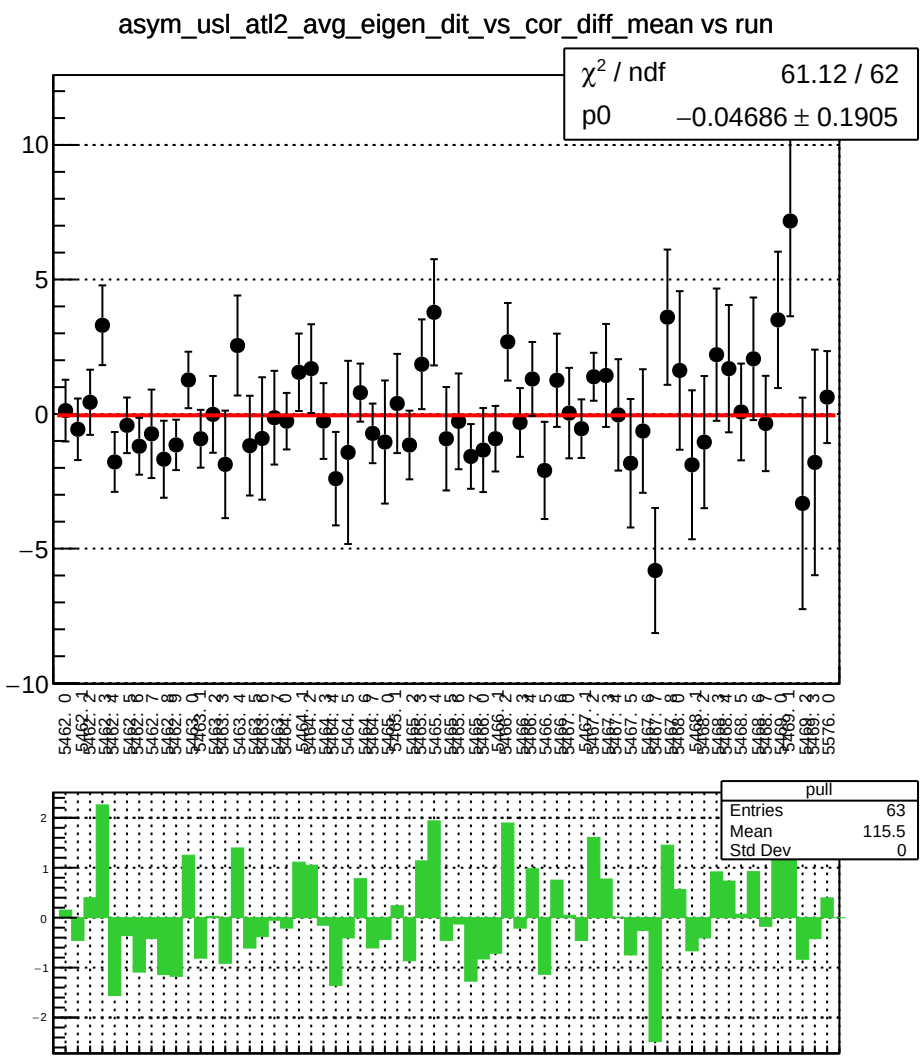

pull1D
Entries 63
Mean 0.03417
Std Dev 0.9844

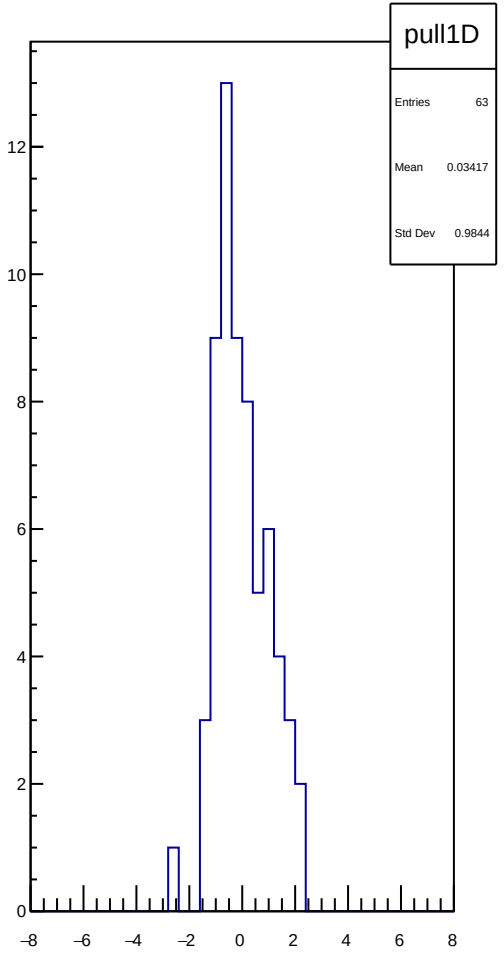

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.269e+05 / 62
p0 140.2 ± 0.1347
400
350
300
250
200
150
100

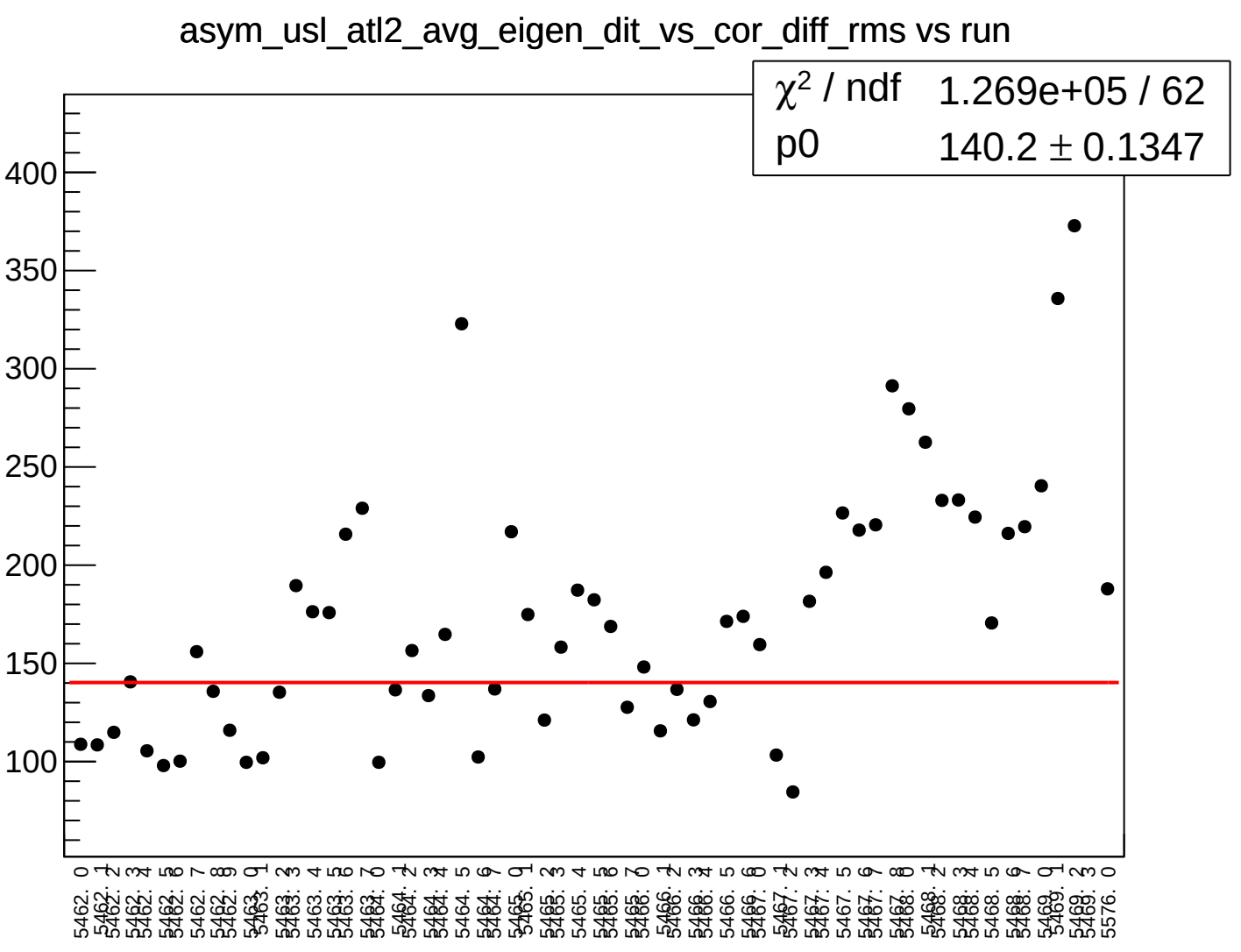

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.88 / 62
p0 3.43e−06 ± 6.435e−06
pull
Entries 63
Mean −29.11
Std Dev 0

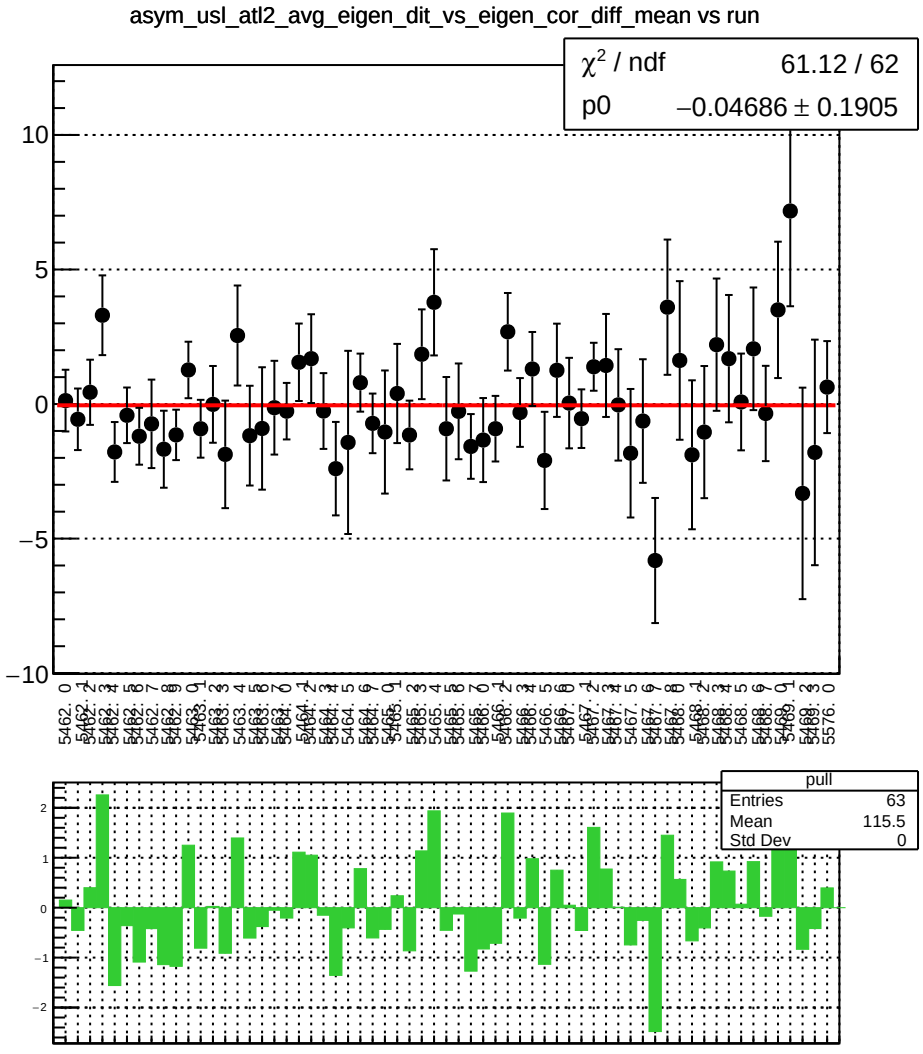

pull1D
Entries 63
Mean 0.01259
Std Dev 0.8807

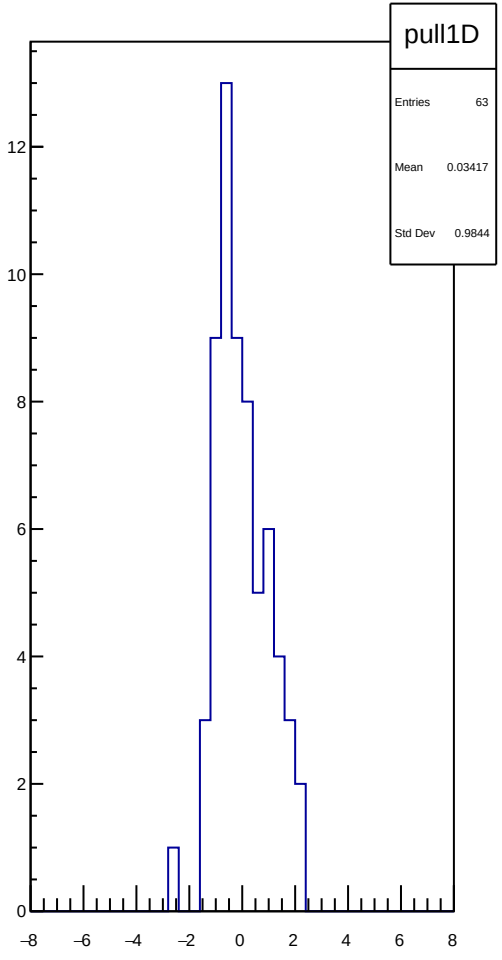

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 368.8 / 62
p0 0.005007 ± 4.551e−06
0.0052
0.0051
0.005
0.0049
0.0048

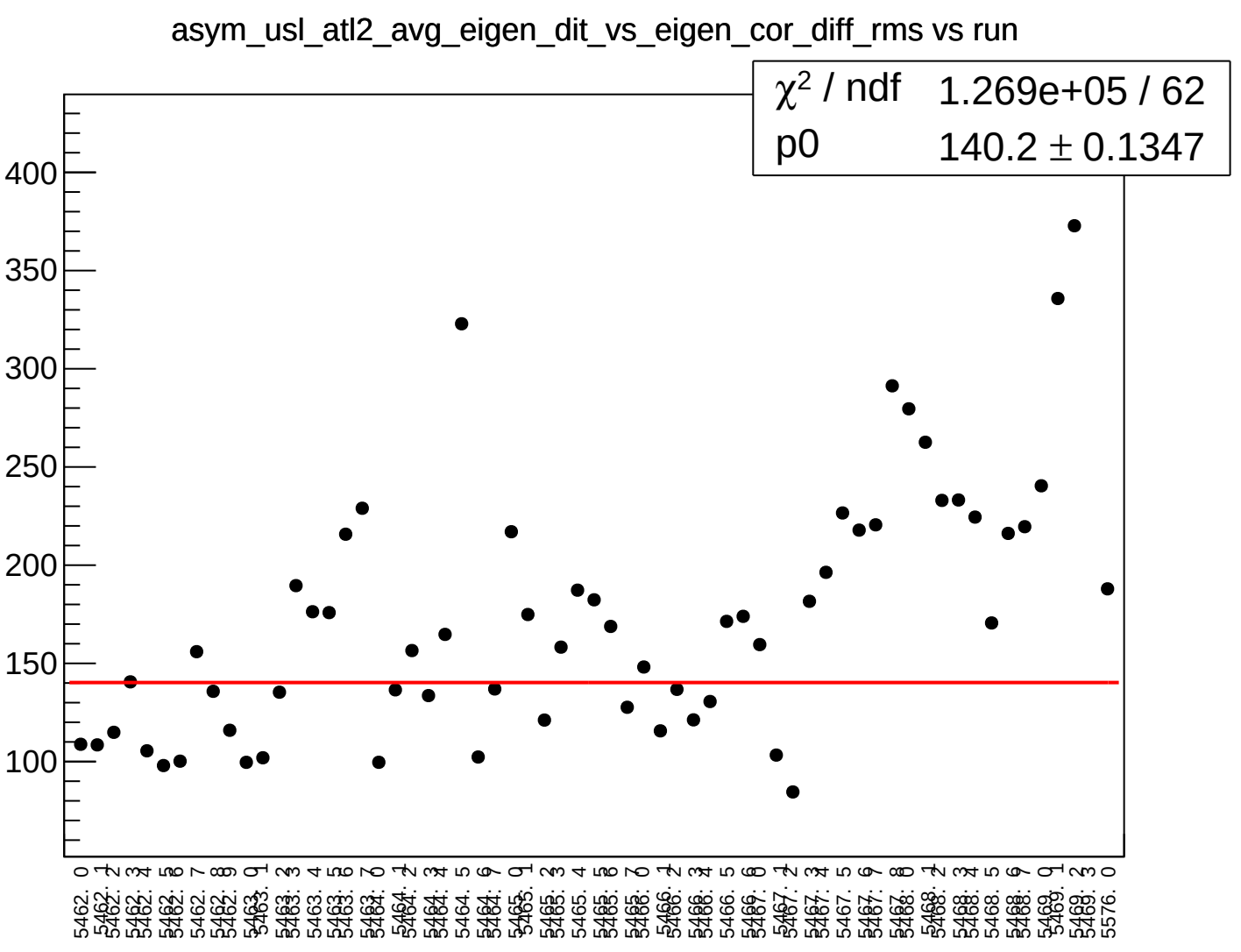

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.12 / 62
p0 −0.04686 ± 0.1905
pull
Entries 63
Mean 115.5
Std Dev 0

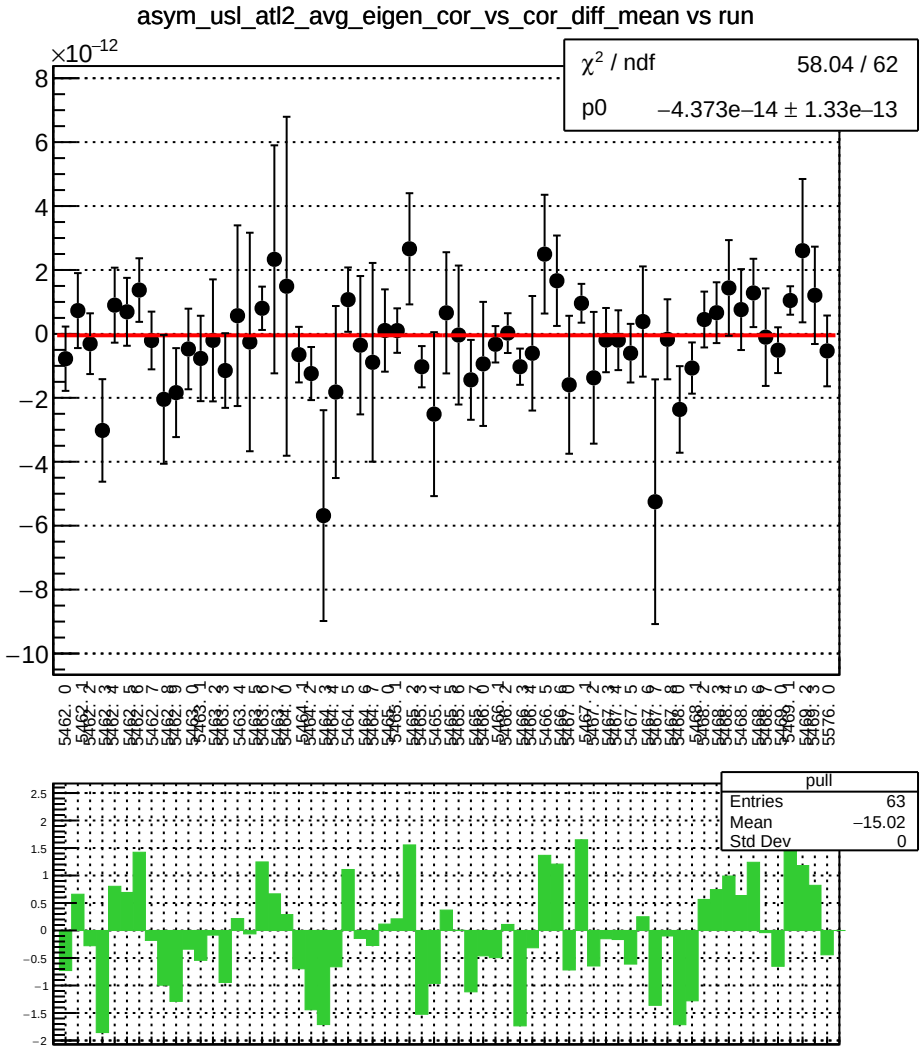

pull1D
Entries 63
Mean 0.03417
Std Dev 0.9844

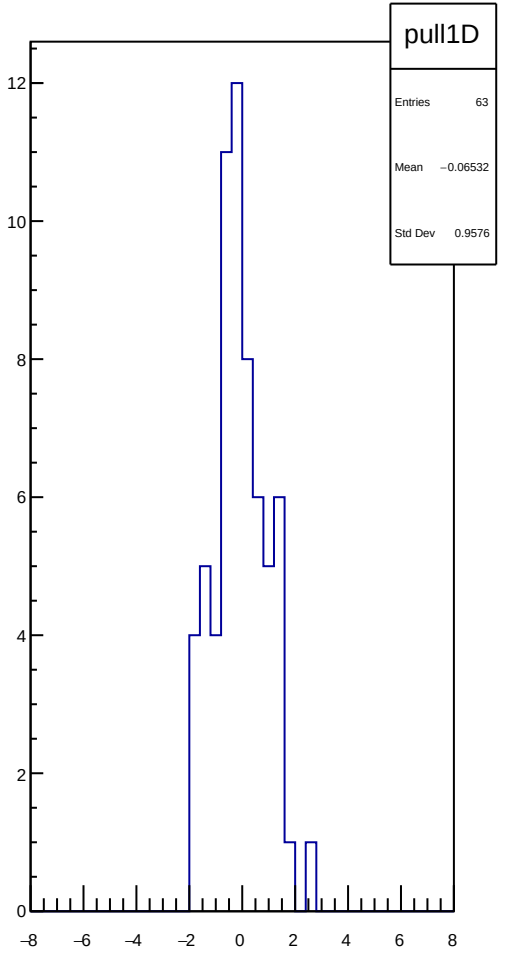

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.269e+05 / 62
p0 140.2 ± 0.1347
400
350
300
250
200
150
100

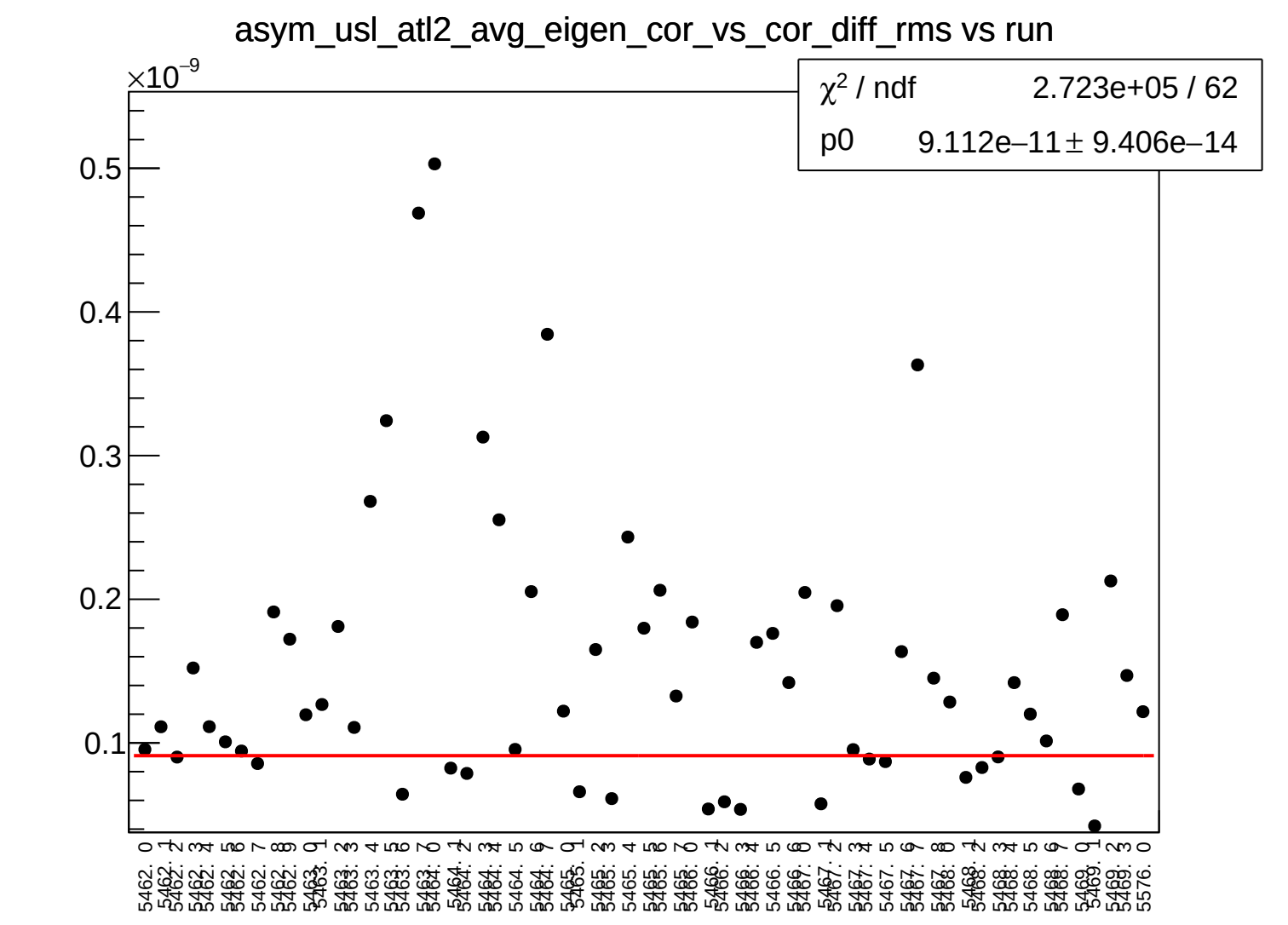

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.12 / 62
p0 −0.04686 ± 0.1905
pull
Entries 63
Mean 115.5
Std Dev 0

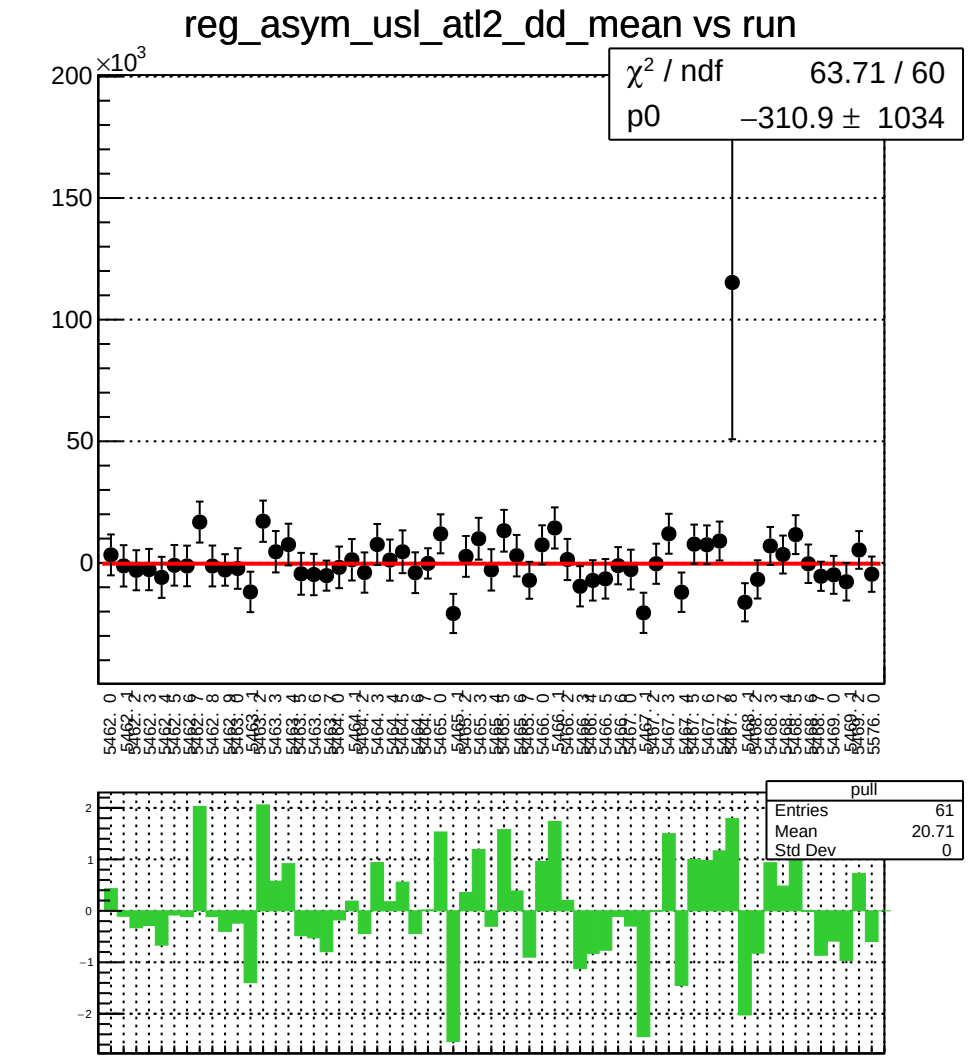

pull1D
Entries 63
Mean 0.03417
Std Dev 0.9844

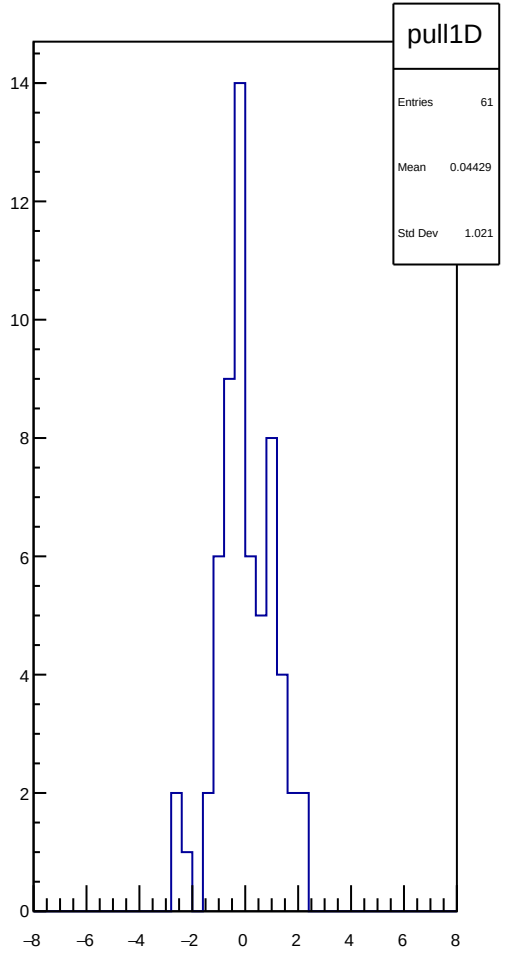

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.269e+05 / 62
p0 140.2 ± 0.1347
400
350
300
250
200
150
100

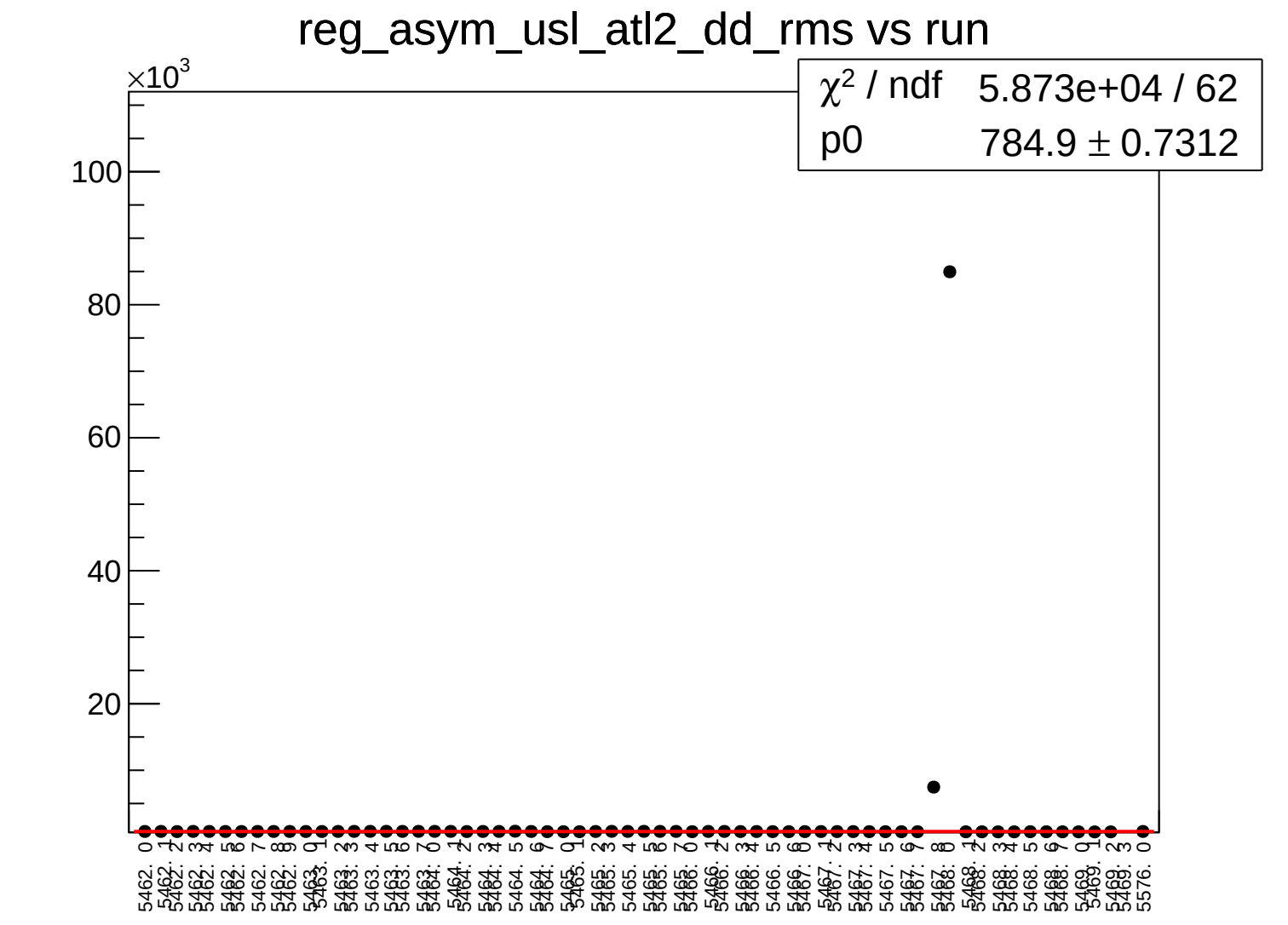

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.04 / 62
p0 −4.373e−14 ± 1.33e−13
pull
Entries 63
Mean −15.02
Std Dev 0

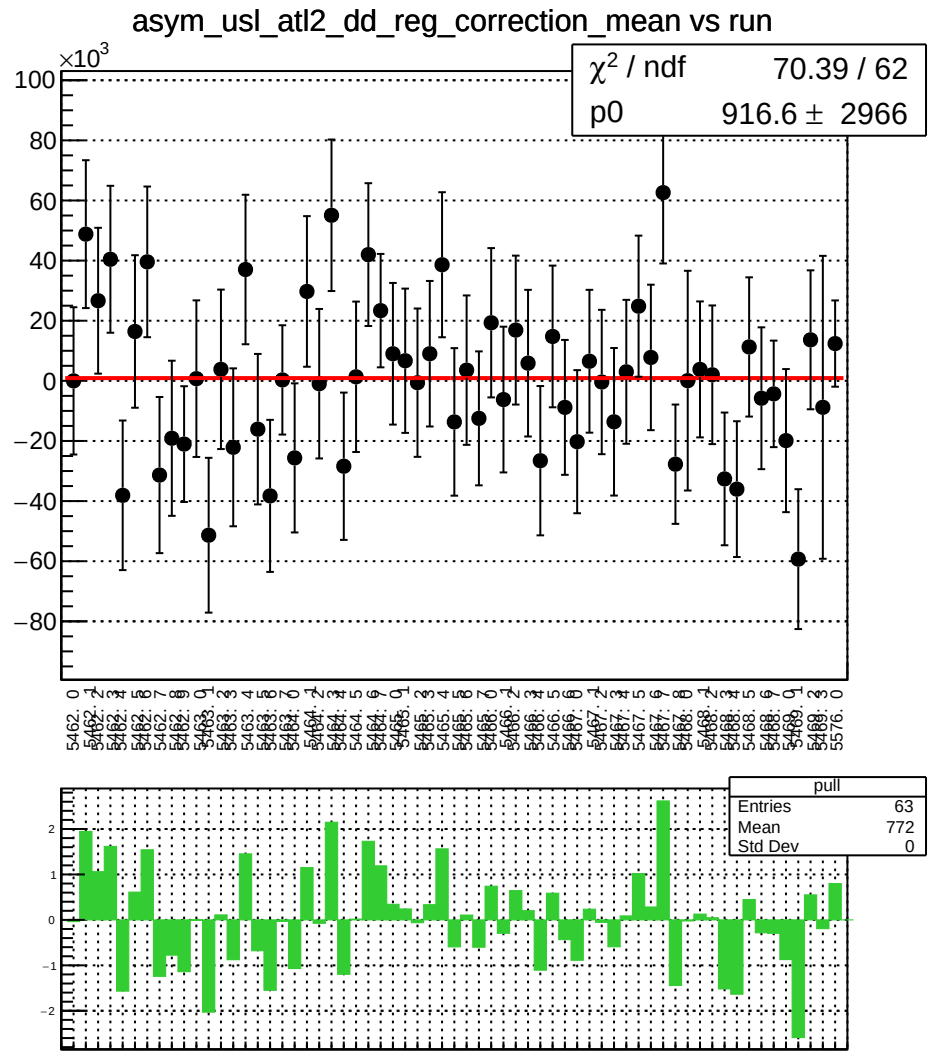

pull1D
Entries 63
Mean −0.06532
Std Dev 0.9576

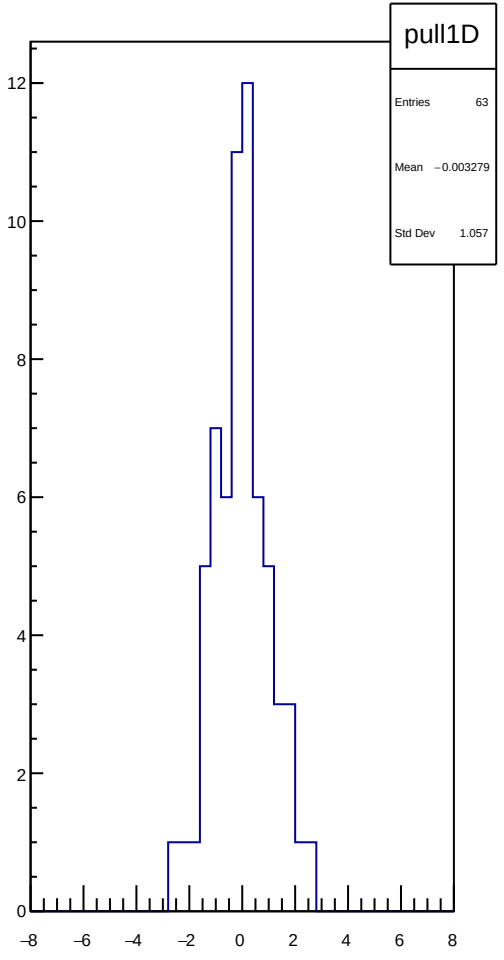

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.723e+05 / 62
p0 9.112e−11 ± 9.406e−14
0.5
0.4
0.3
0.2
0.1

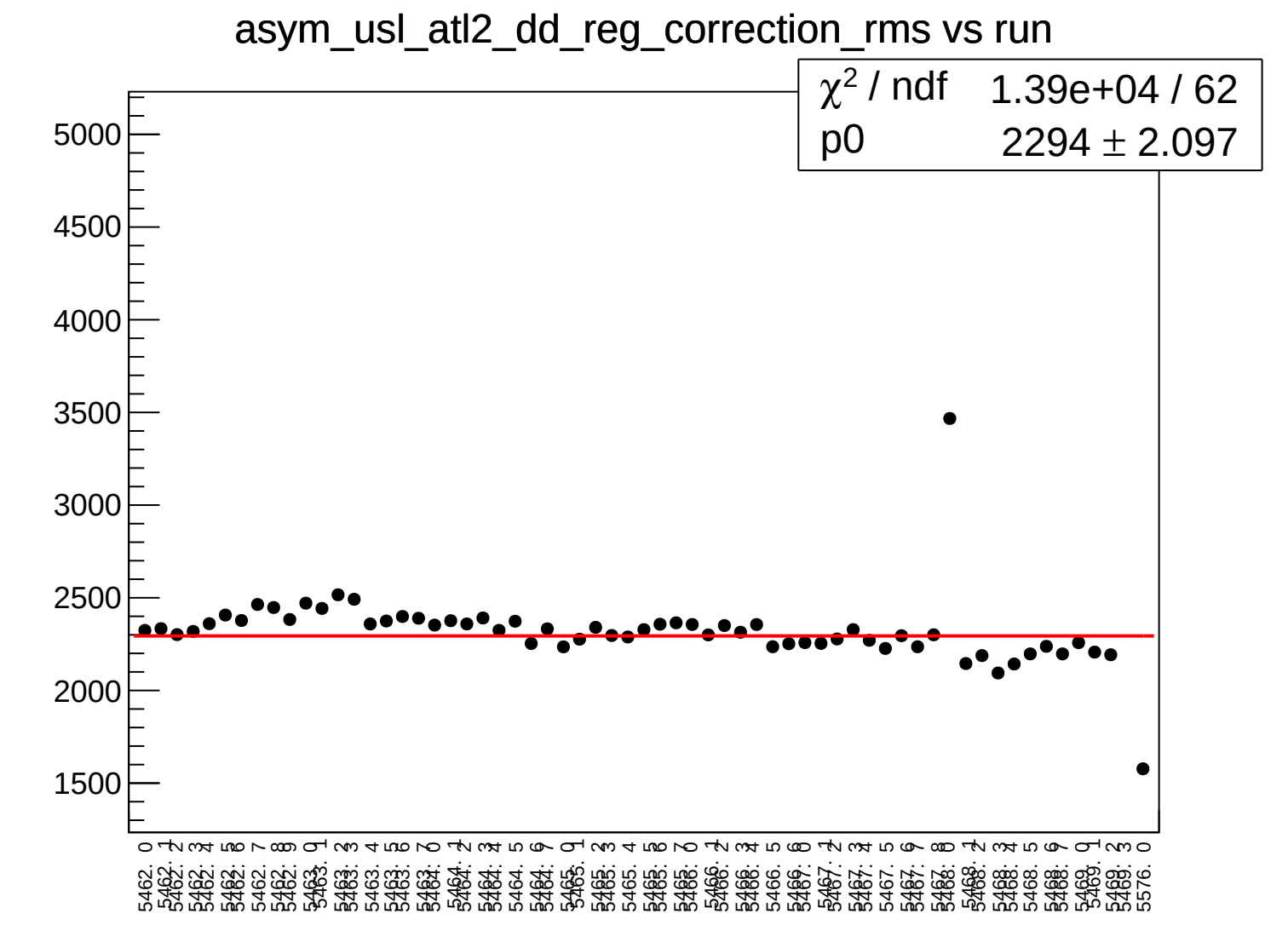

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 63.71 / 60
p0 −310.9 ± 1034
×10³
200
150
100
50
0
pull
Entries 61
Mean 20.71
Std Dev 0
2
1
0
−1
−2

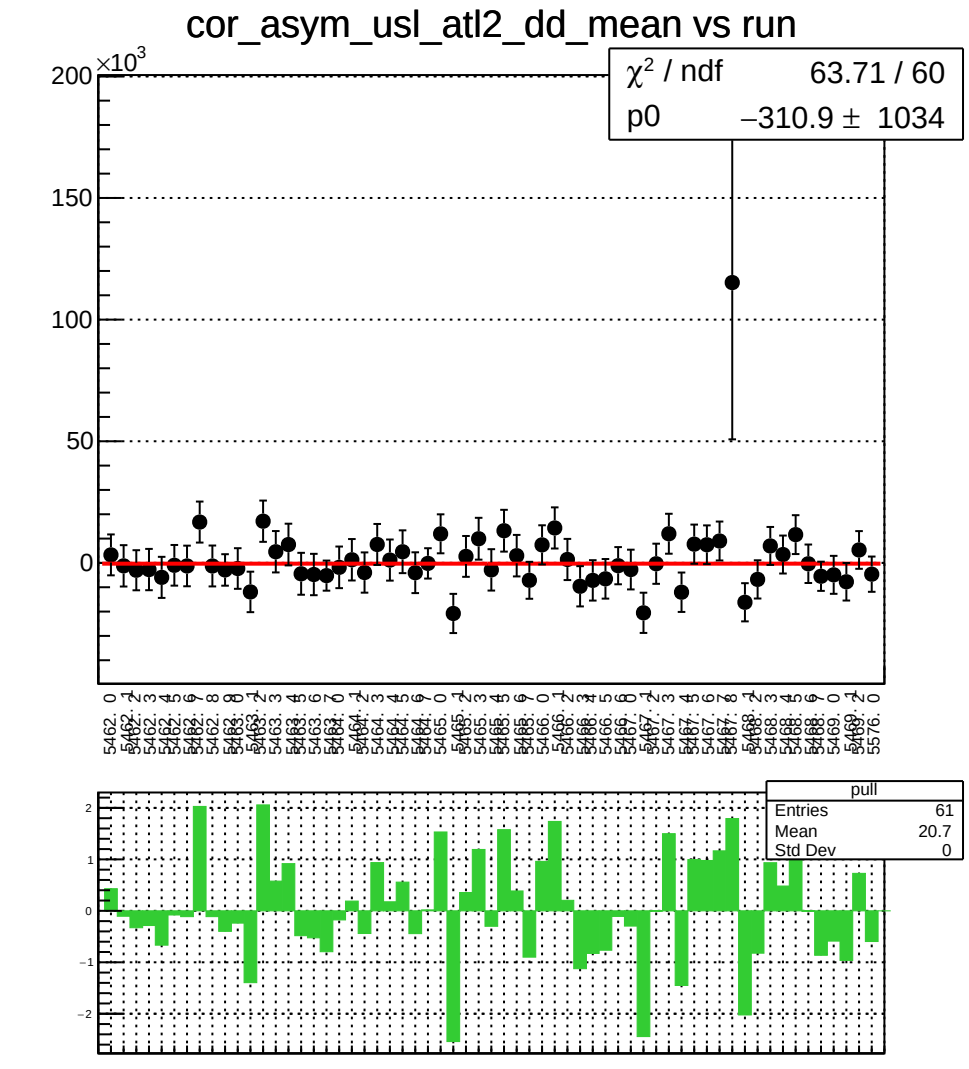

pull1D
Entries 61
Mean 0.04429
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

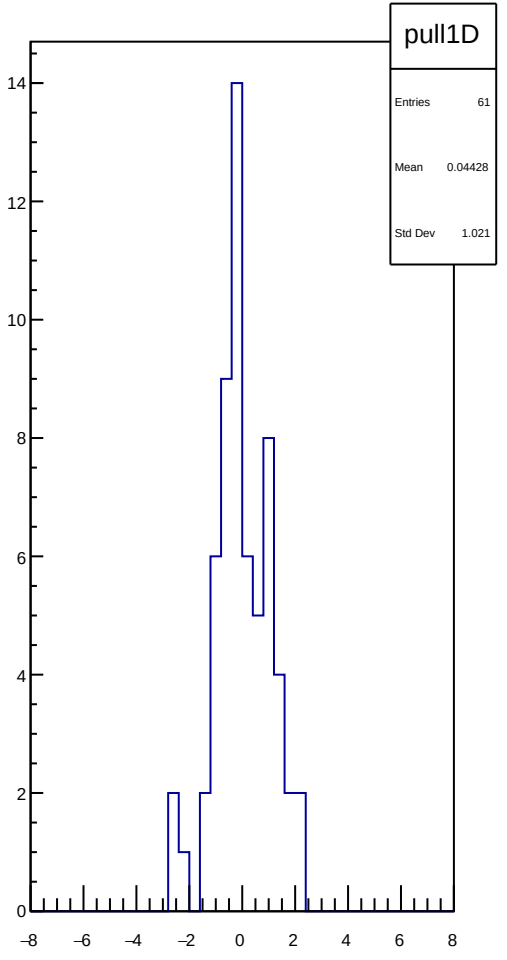

reg_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 5.873e+04 / 62
p0 784.9 ± 0.7312
100
80
60
40
20

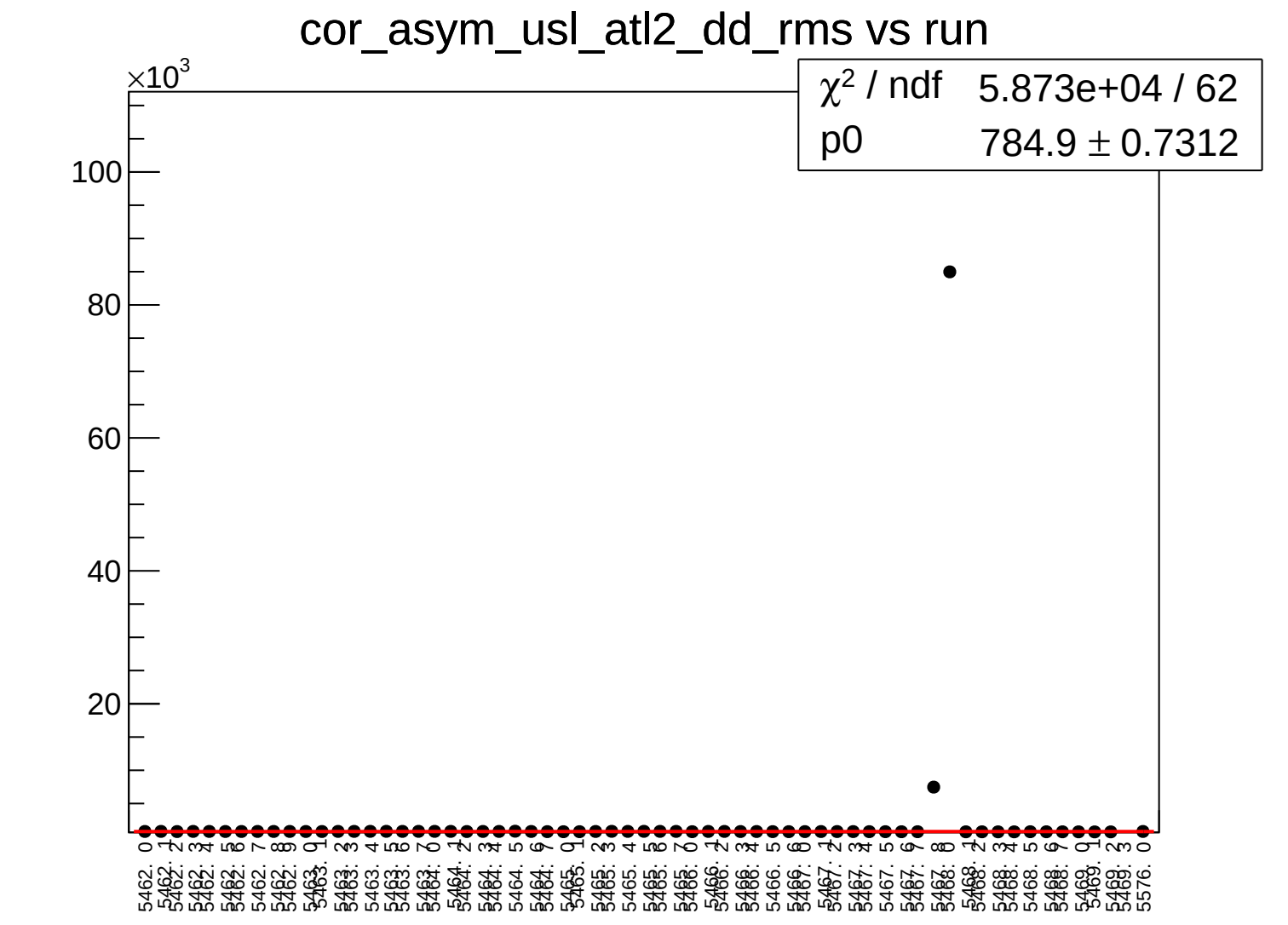

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 70.39 / 62
p0 916.6 ± 2966
pull
Entries 63
Mean 772
Std Dev 0

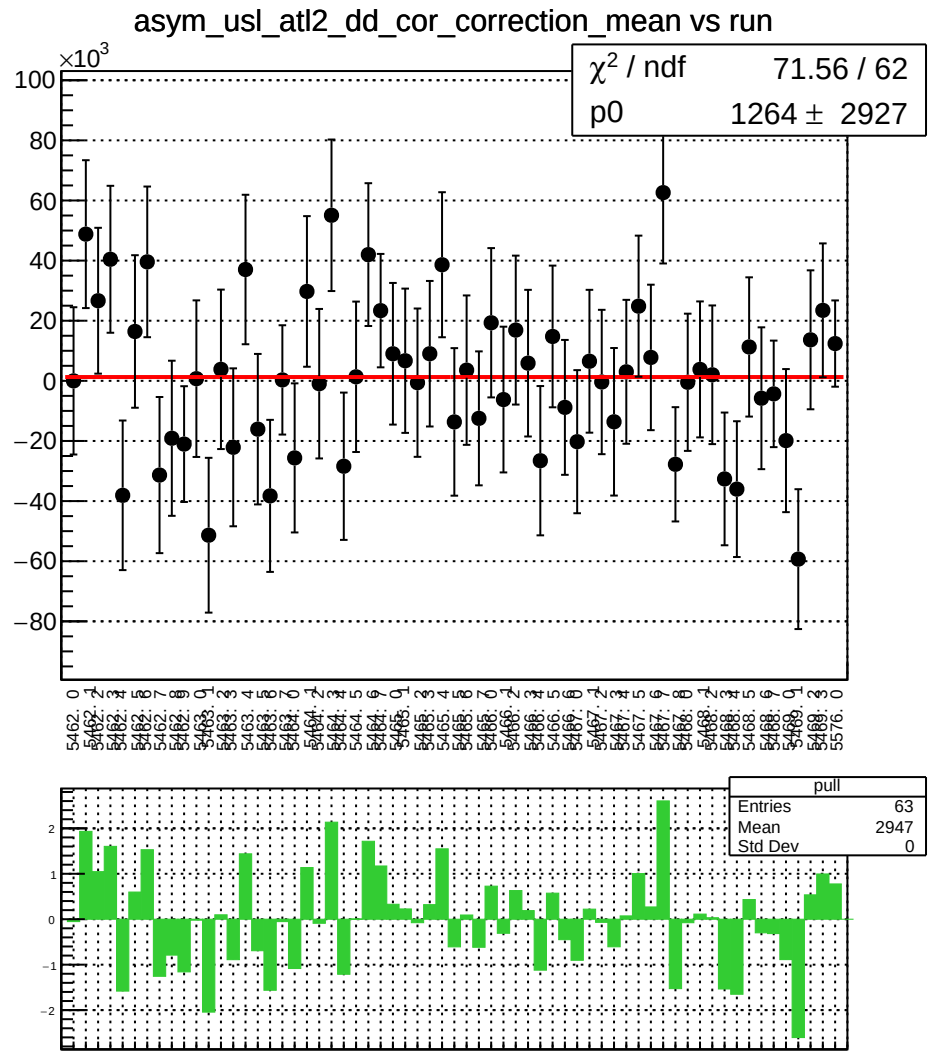

pull1D
Entries 63
Mean −0.003279
Std Dev 1.057

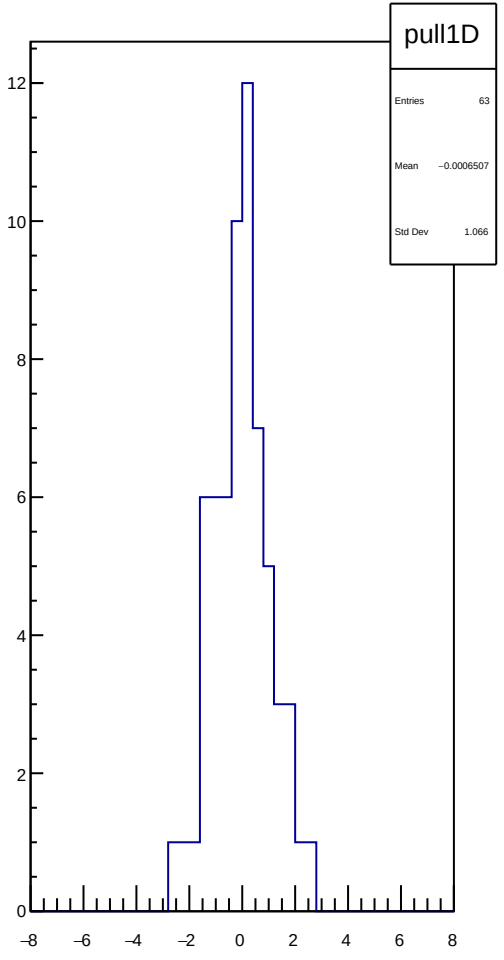

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1.39e+04 / 62
p0 2294 ± 2.097
5000
4500
4000
3500
3000
2500
2000
1500

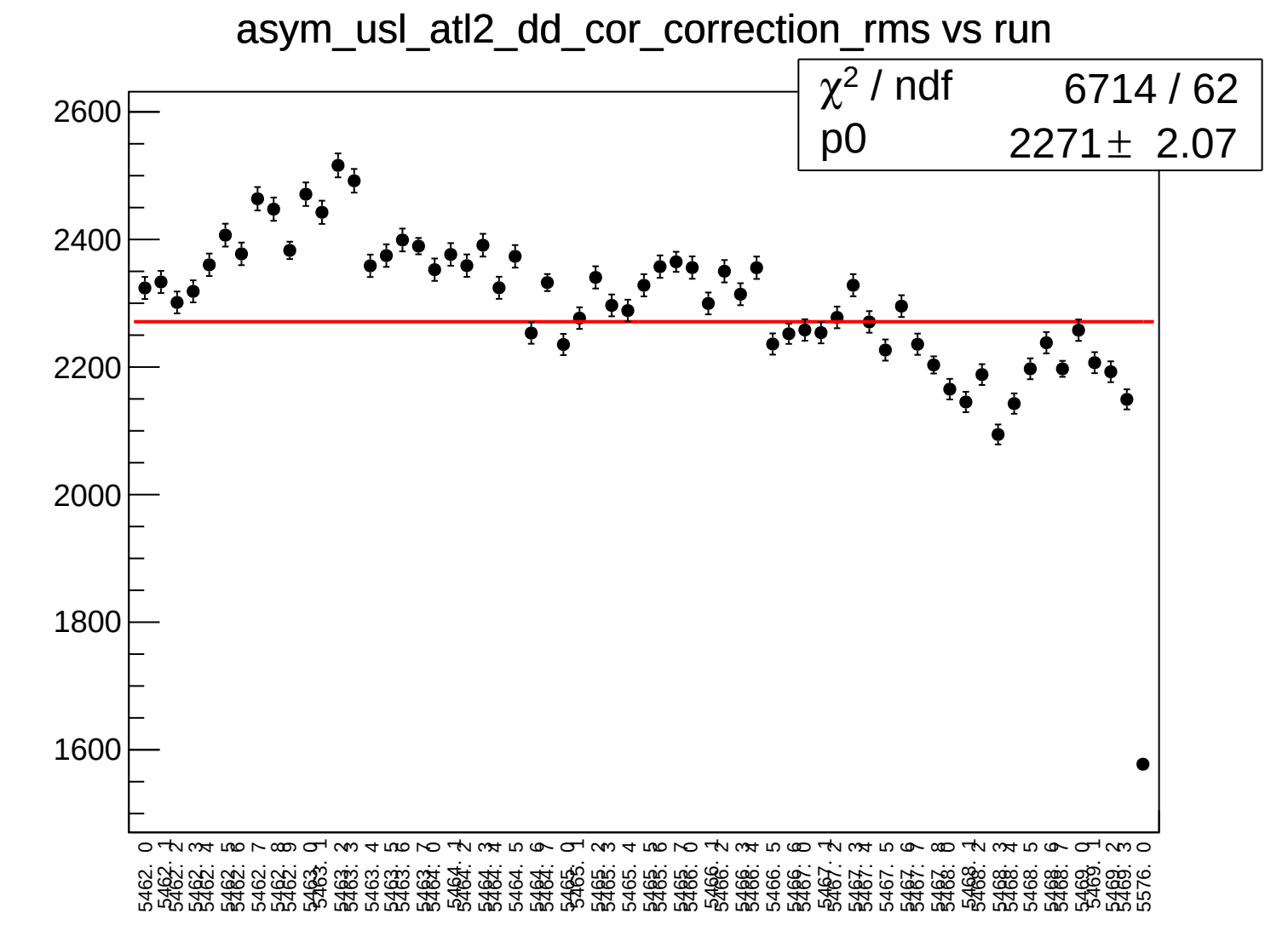

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 63.71 / 60
p0 −310.9 ± 1034
×10³
200
150
100
50
0
pull
Entries 61
Mean 20.7
Std Dev 0
2
1
0
−1
−2

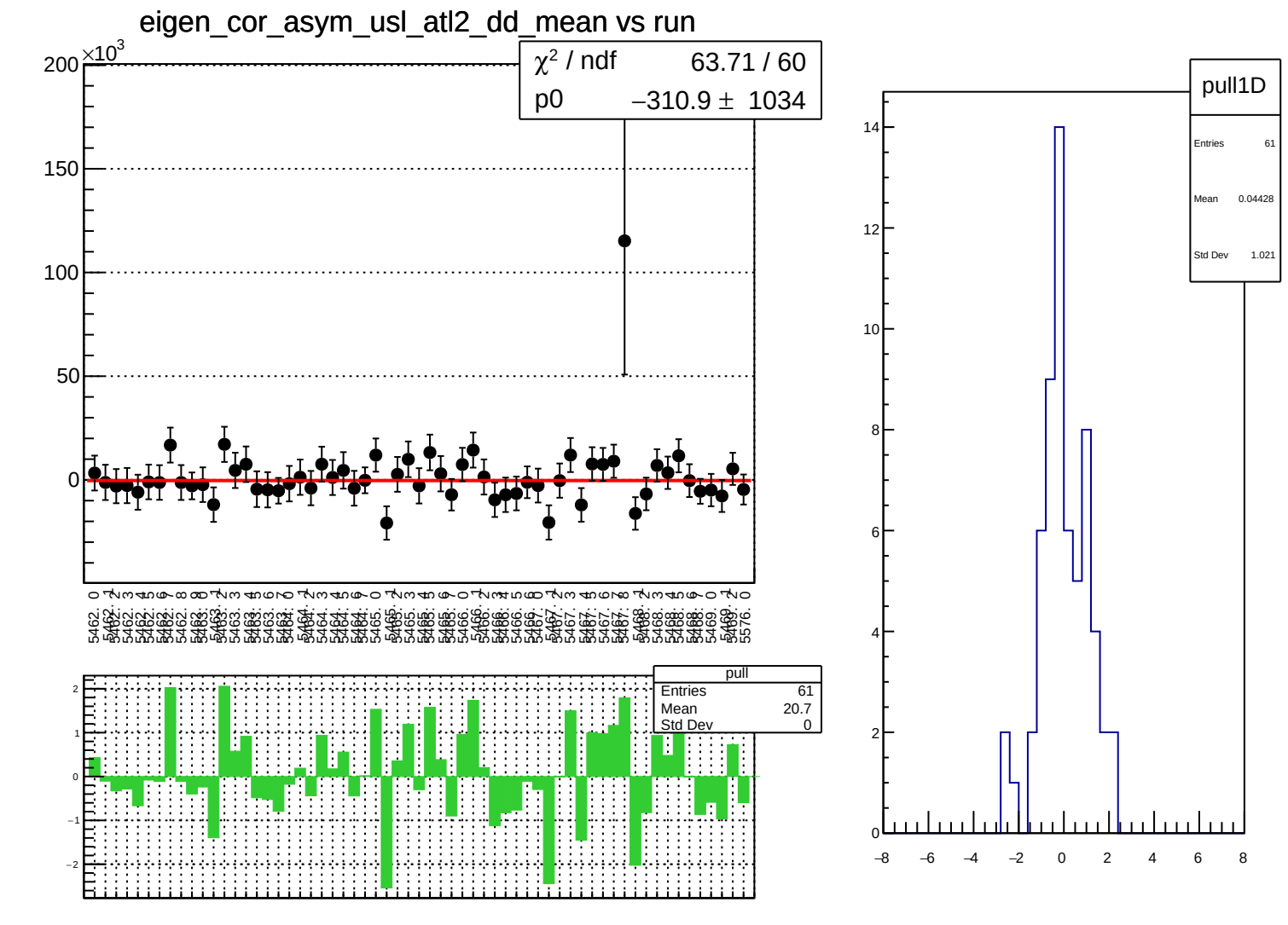

pull1D
Entries 61
Mean 0.04428
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

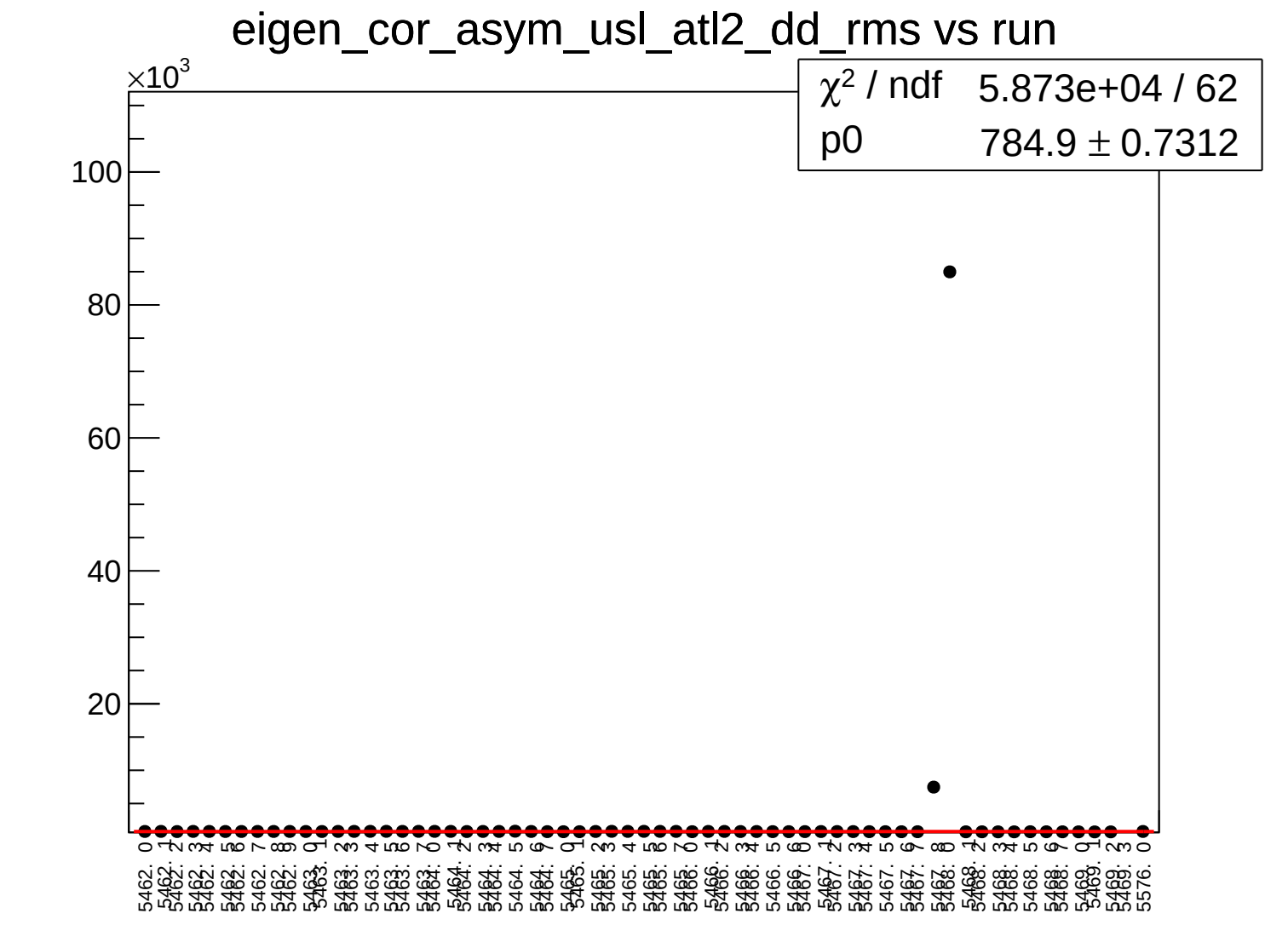

cor_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 5.873e+04 / 62
p0 784.9 ± 0.7312
100
80
60
40
20

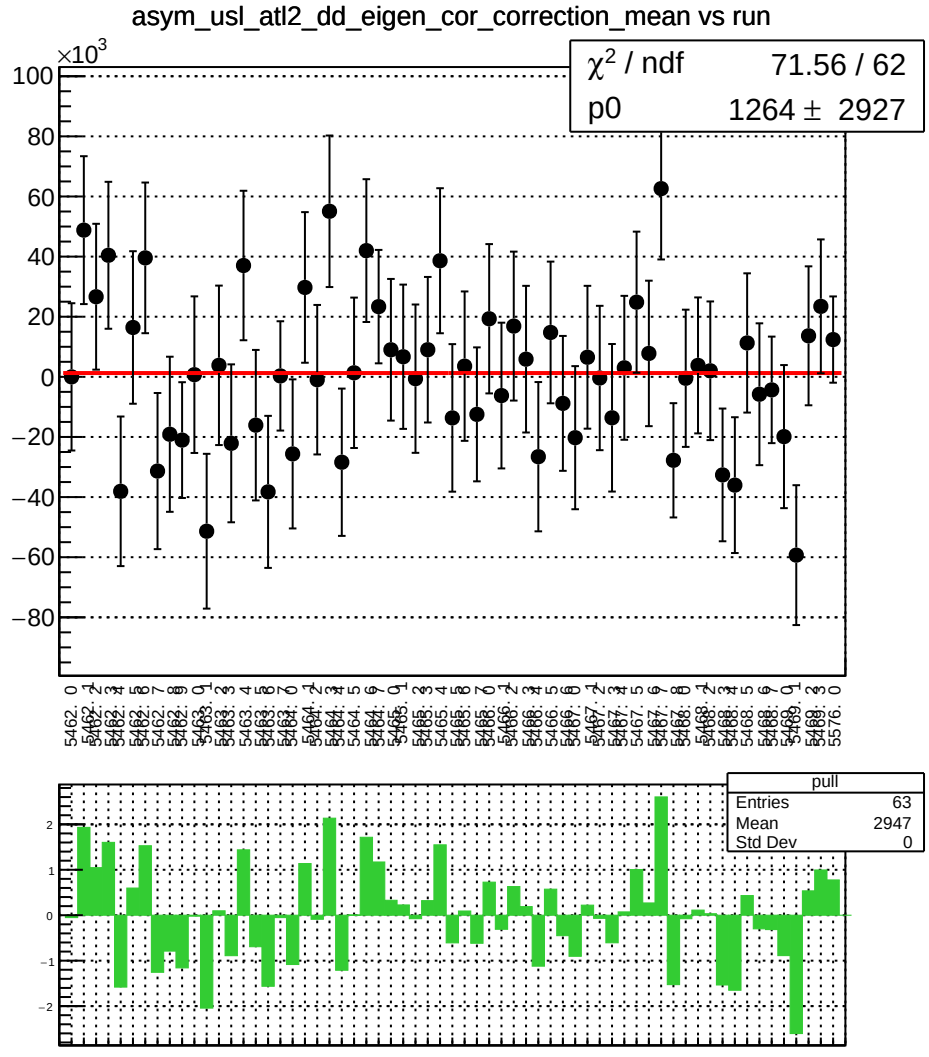

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 71.56 / 62
p0 1264 ± 2927
pull
Entries 63
Mean 2947
Std Dev 0

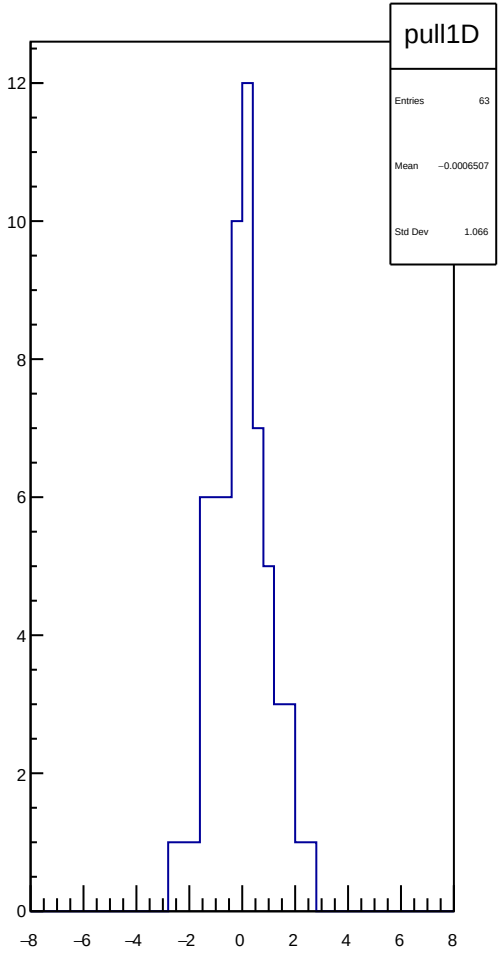

pull1D
Entries 63
Mean −0.0006507
Std Dev 1.066

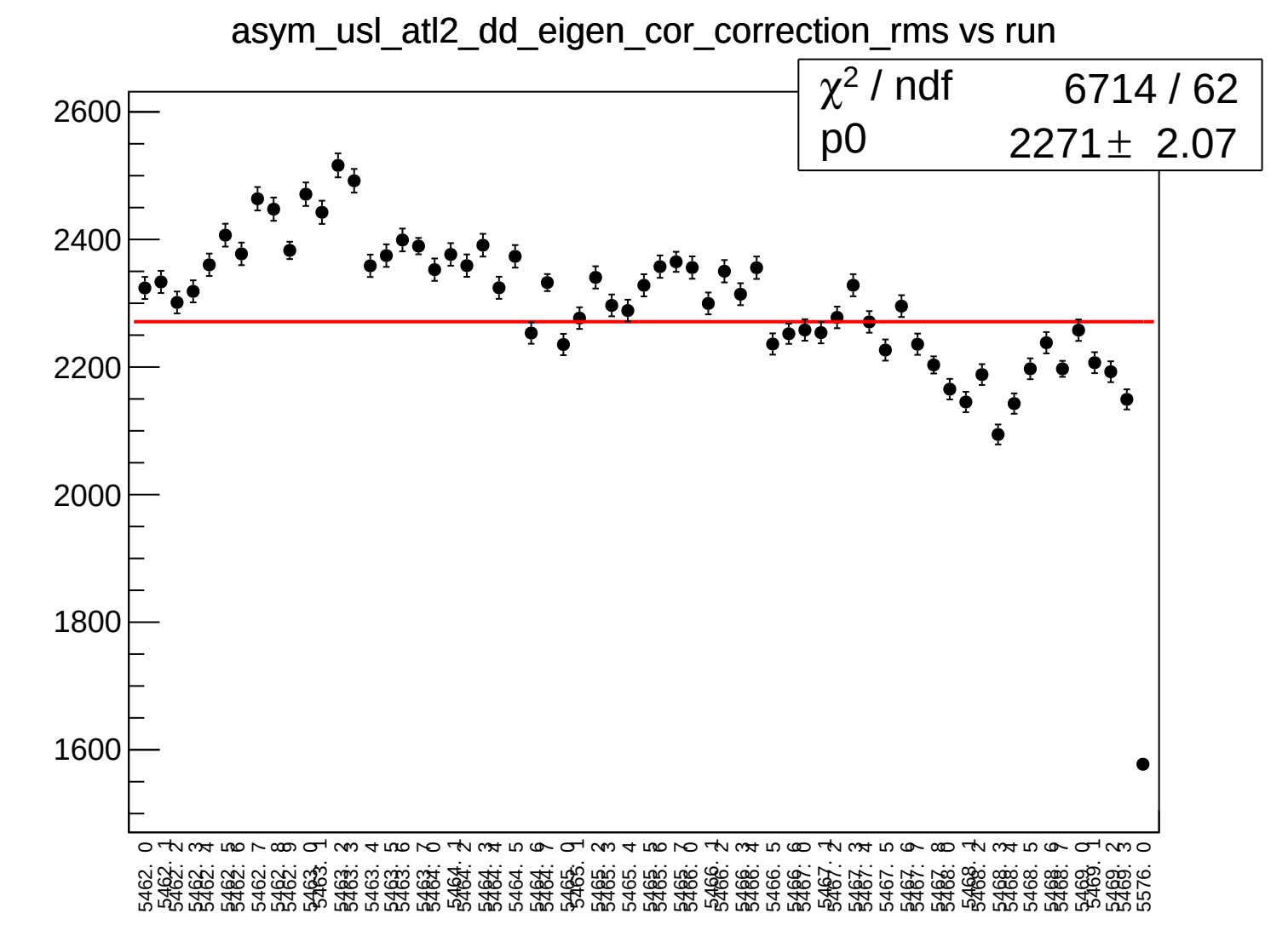

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 6714 / 62
p0 2271 ± 2.07
2600
2400
2200
2000
1800
1600

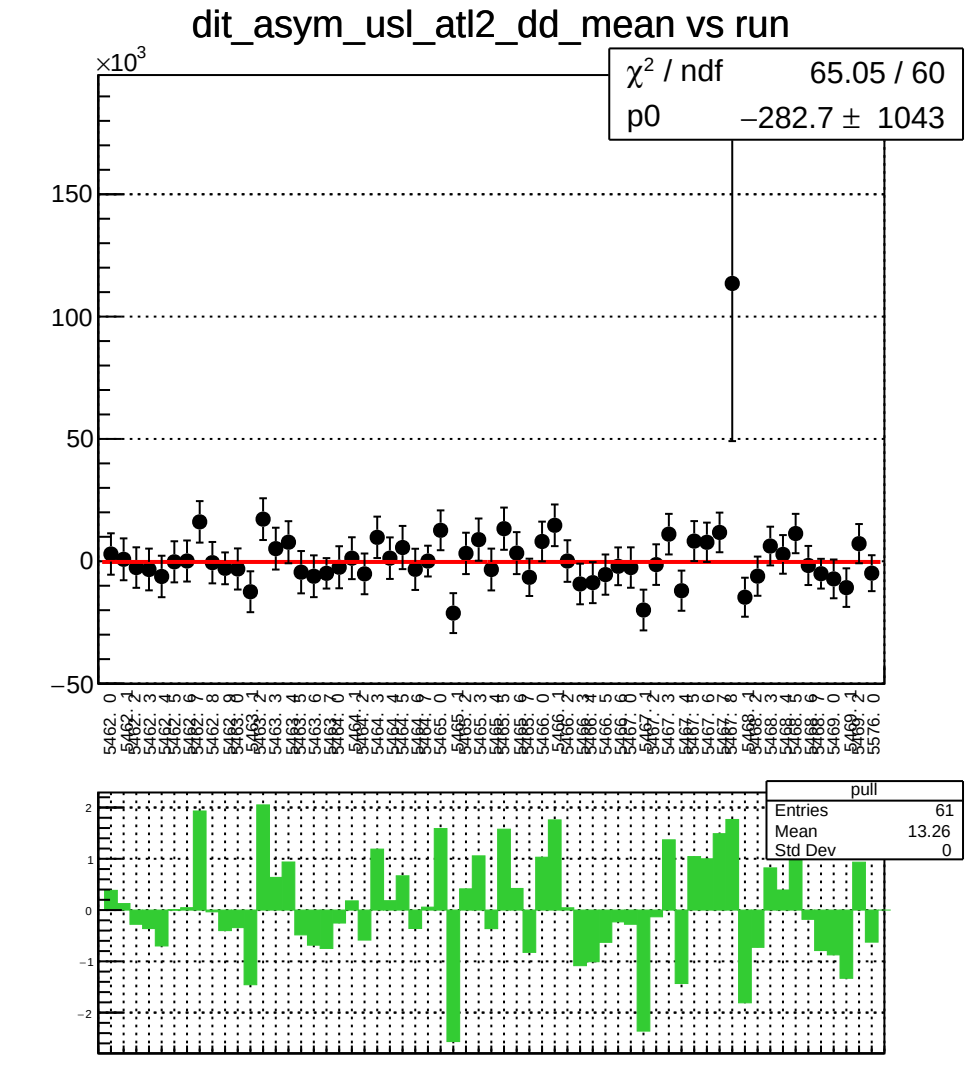

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 63.71 / 60
p0 −310.9 ± 1034
×10³
200
150
100
50
0
pull
Entries 61
Mean 20.7
Std Dev 0
pull1D
Entries 61
Mean 0.04428
Std Dev 1.021

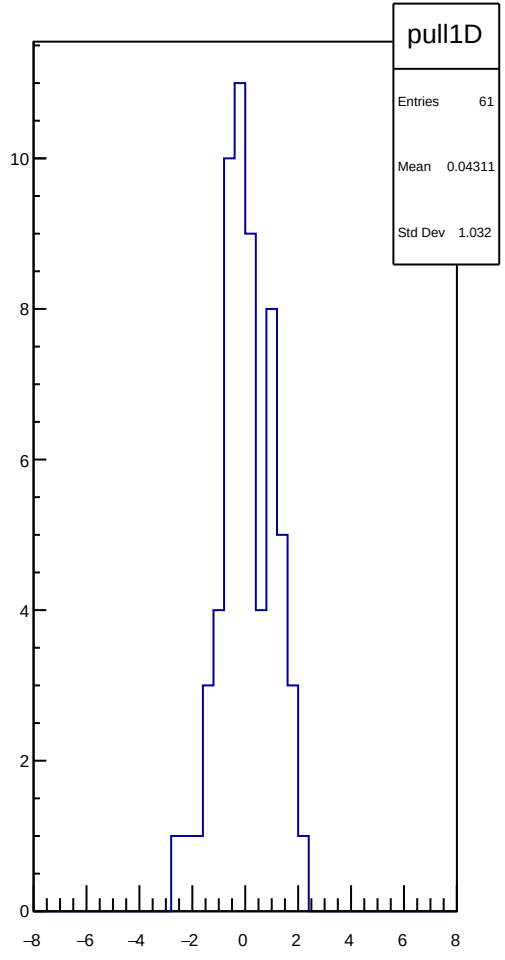

eigen_cor_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 5.873e+04 / 62
p0 784.9 ± 0.7312
100
80
60
40
20

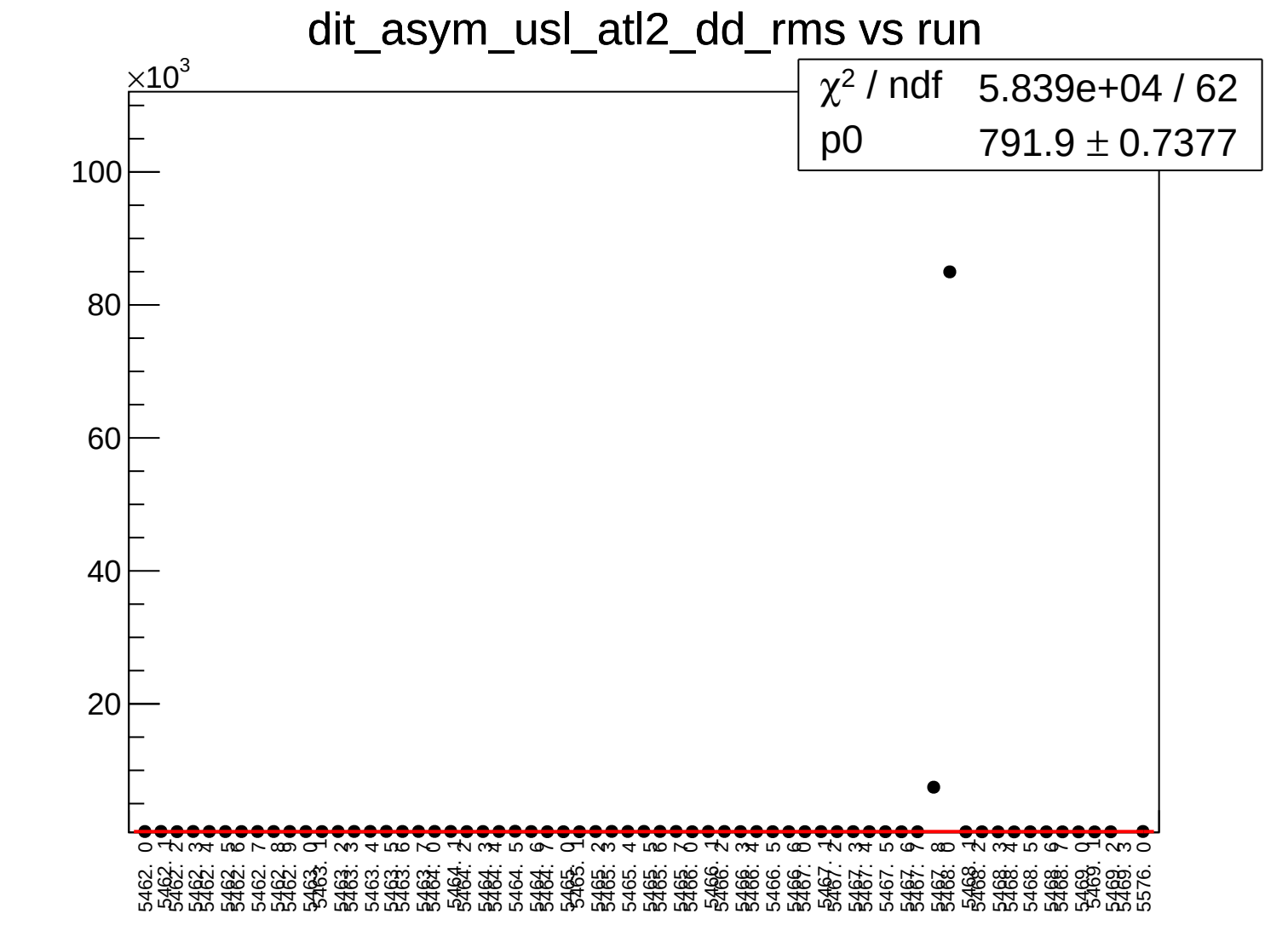

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 71.56 / 62
p0 1264 ± 2927
pull
Entries 63
Mean 2947
Std Dev 0

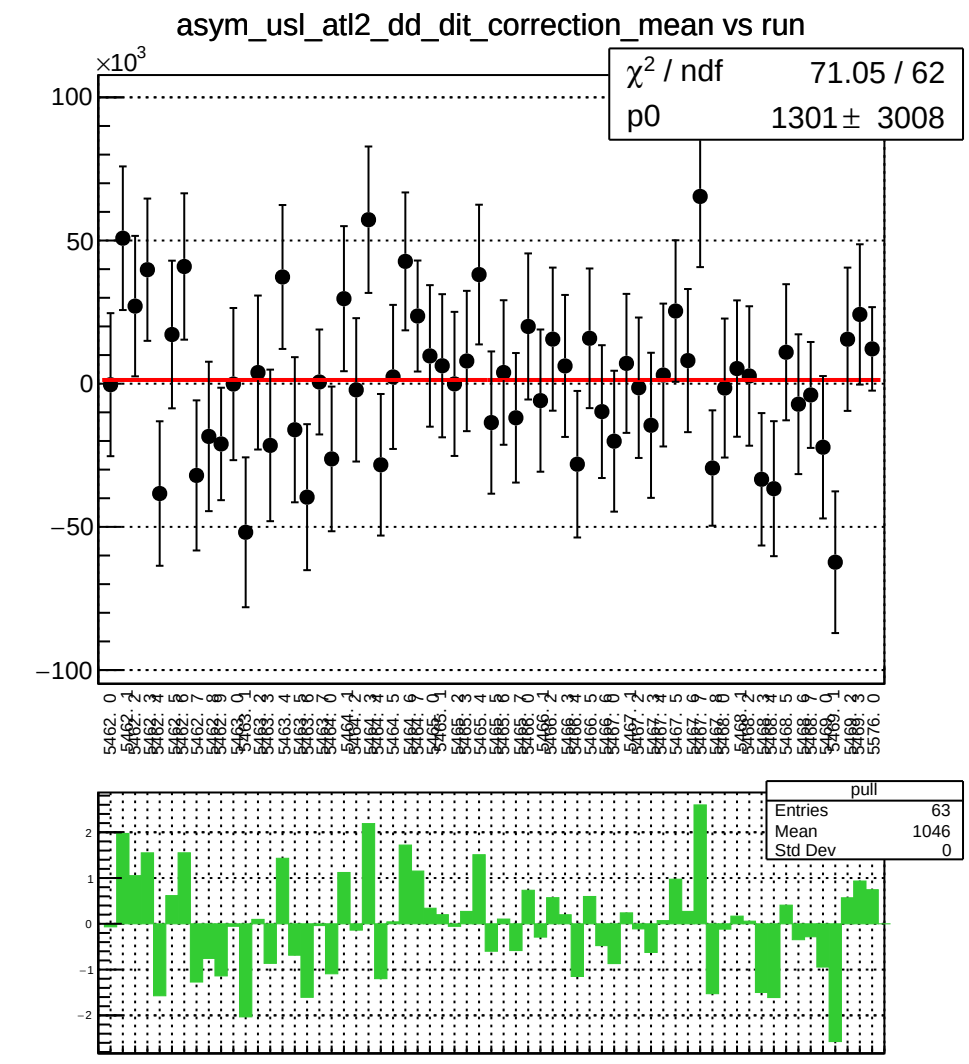

pull1D
Entries 63
Mean −0.0006507
Std Dev 1.066

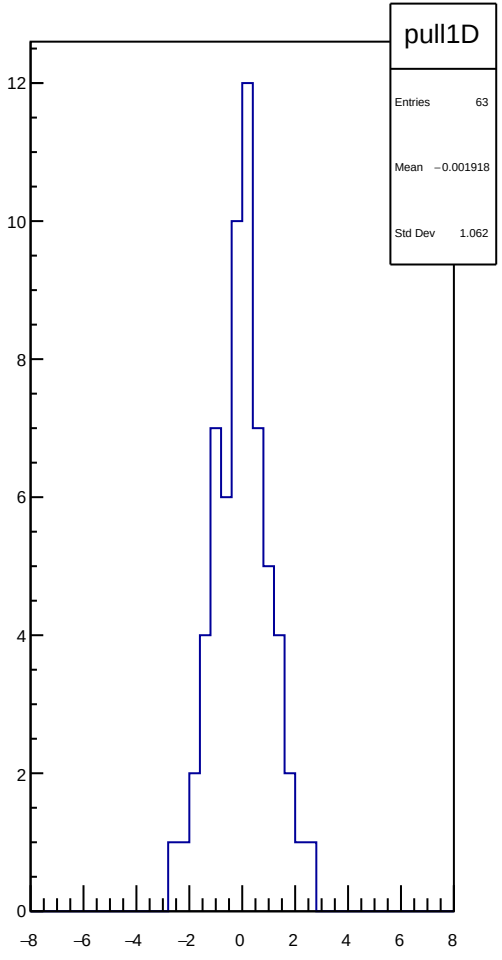

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6714 / 62
p0 2271 ± 2.07
2600
2400
2200
2000
1800
1600

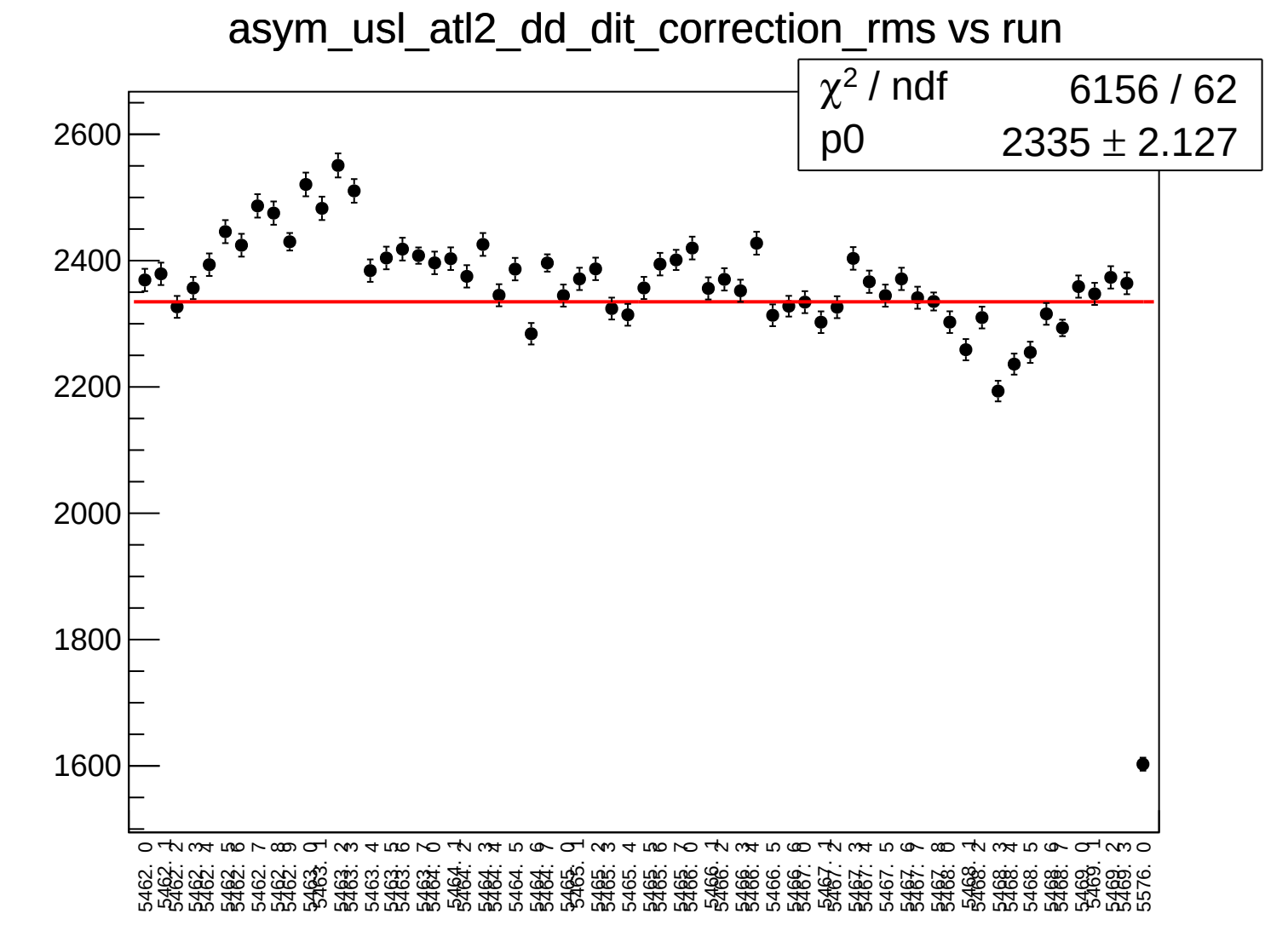

dit_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 65.05 / 60
p0 −282.7 ± 1043
150
100
50
0
−50
pull
Entries 61
Mean 13.26
Std Dev 0
2
1
0
−1
−2

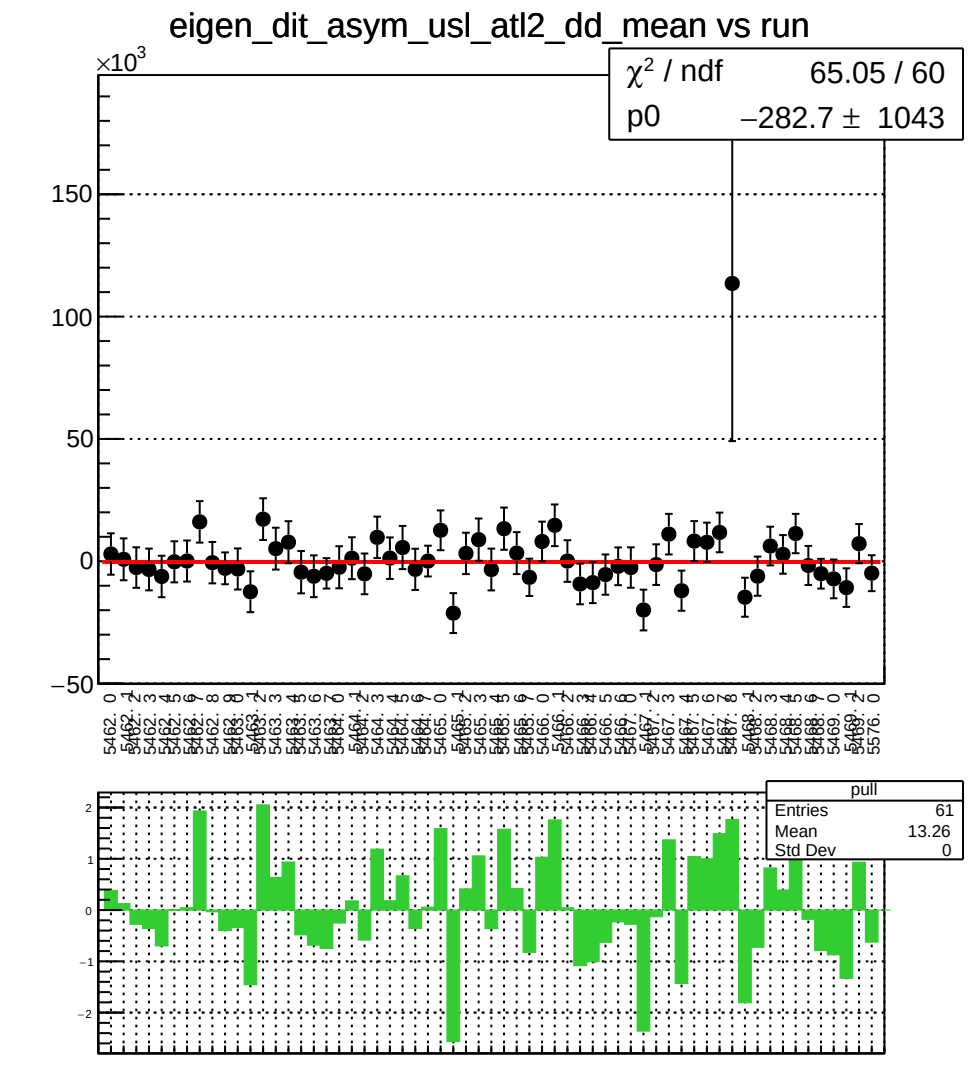

pull1D
Entries 61
Mean 0.04311
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

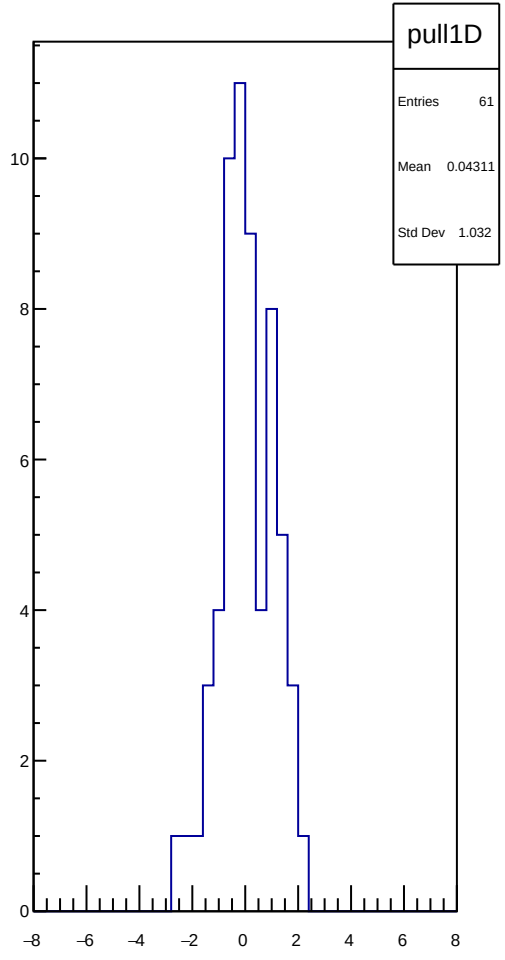

dit_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 5.839e+04 / 62
p0 791.9 ± 0.7377
100
80
60
40
20

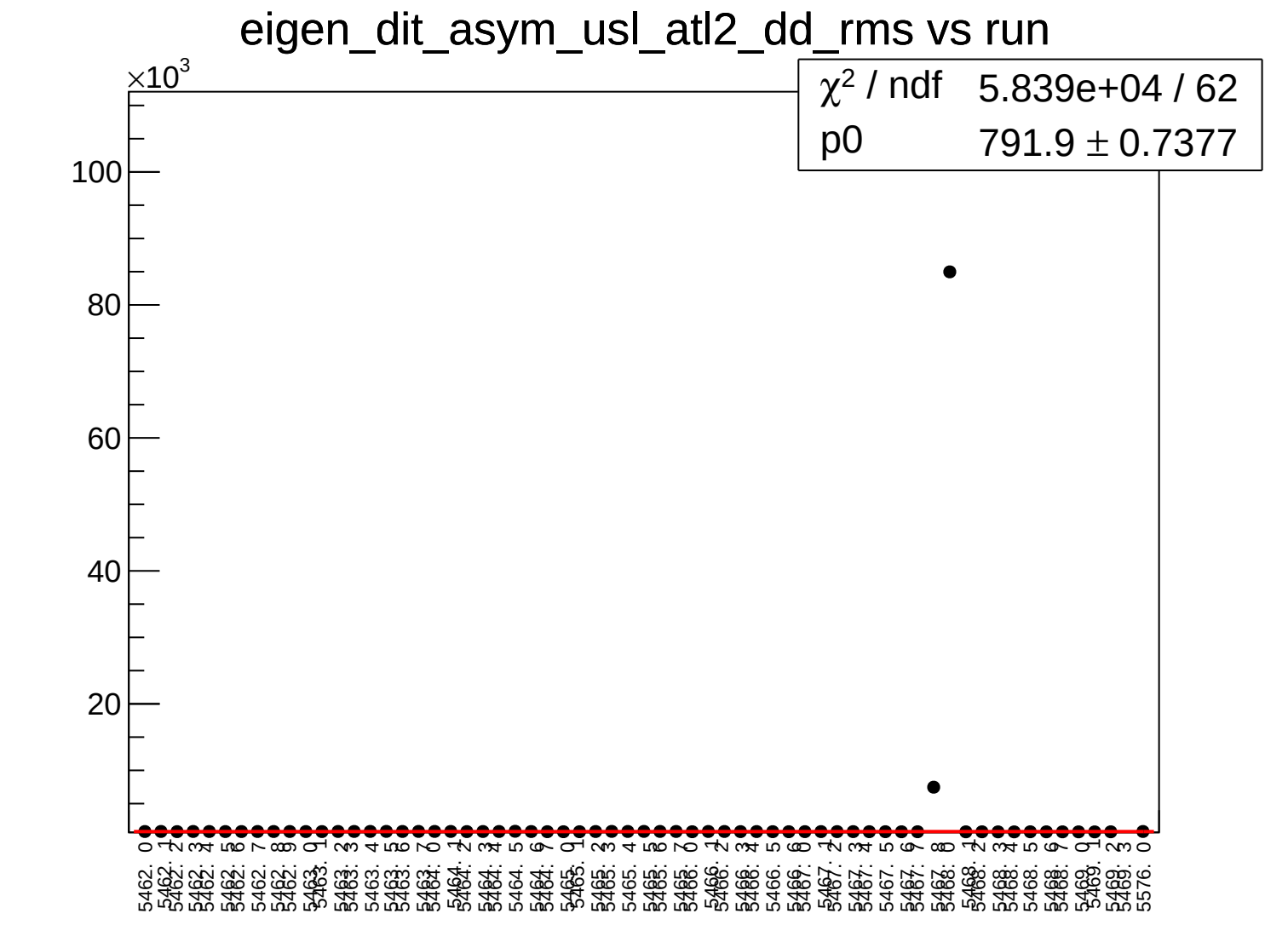

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 71.05 / 62
p0 1301 ± 3008
100
50
0
−50
−100
pull
Entries 63
Mean 1046
Std Dev 0
2
1
0
−1
−2

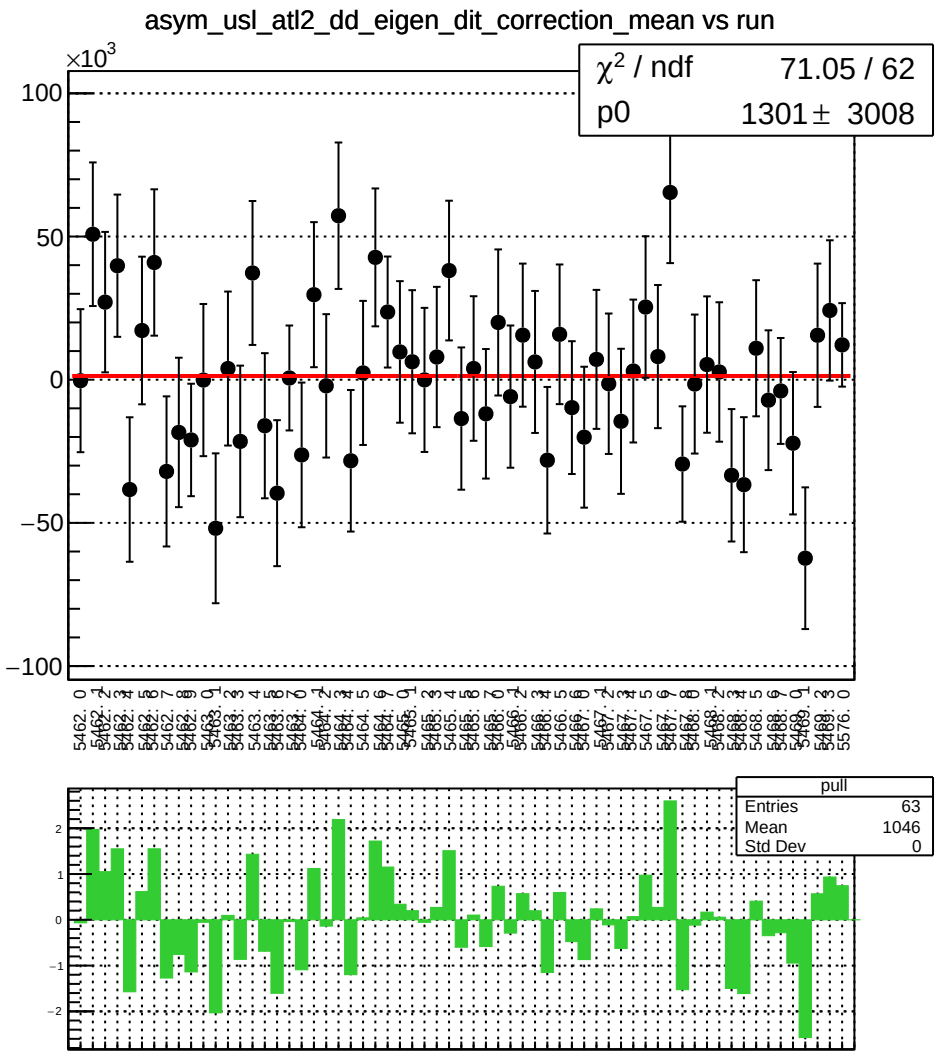

pull1D
Entries 63
Mean −0.001918
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

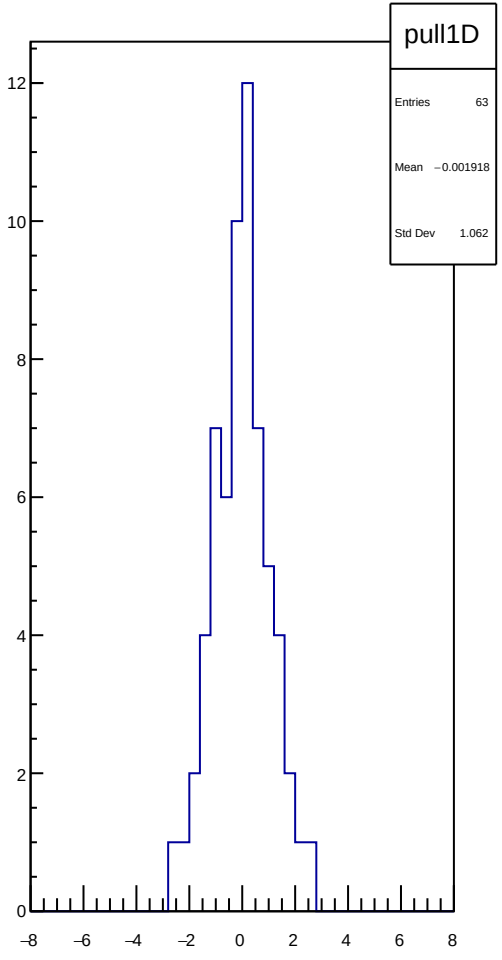

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 6156 / 62
p0 2335 ± 2.127
2600
2400
2200
2000
1800
1600

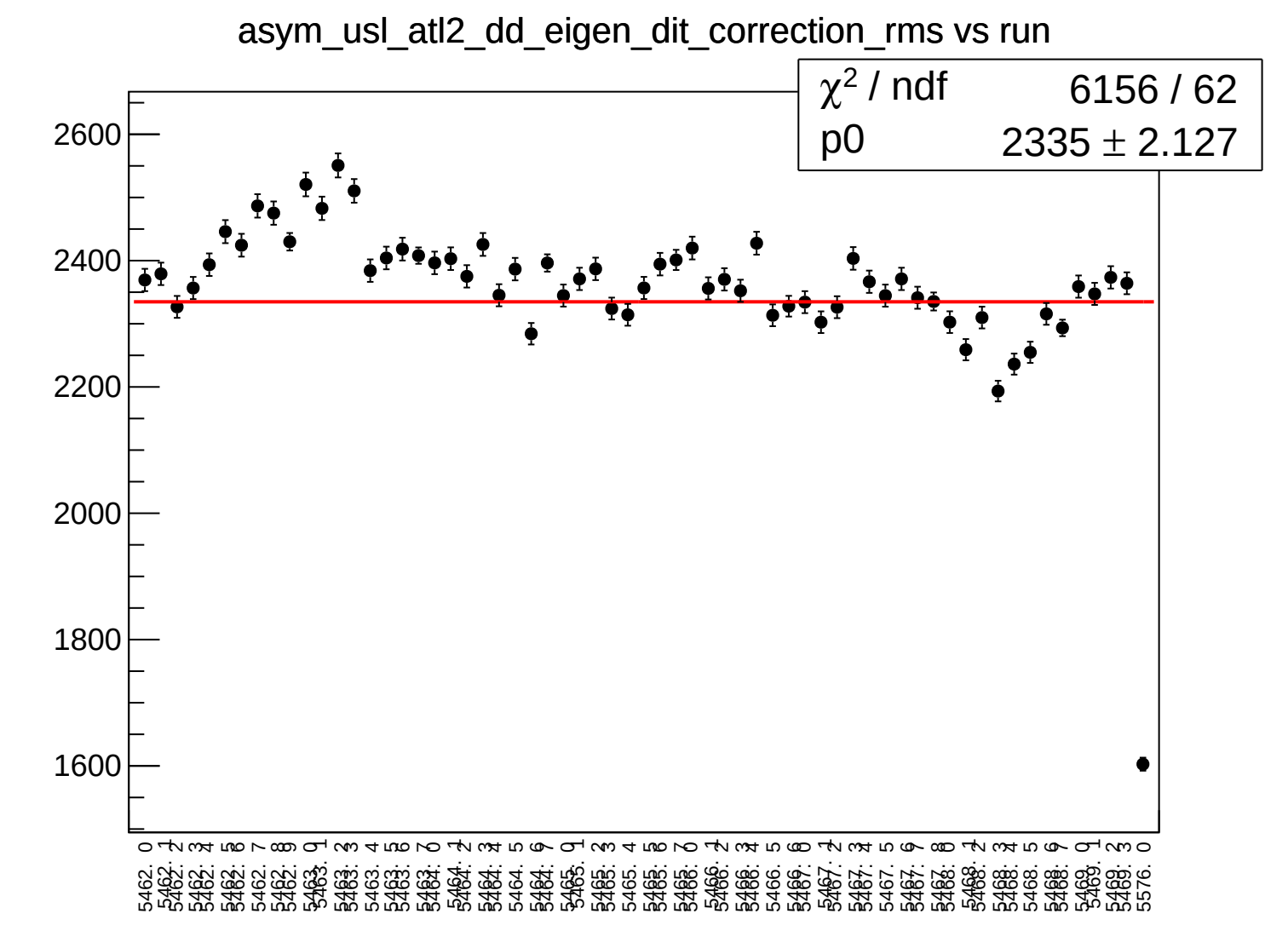

eigen_dit_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 65.05 / 60
p0 −282.7 ± 1043
150
100
50
0
−50
pull
Entries 61
Mean 13.26
Std Dev 0
2
1
0
−1
−2

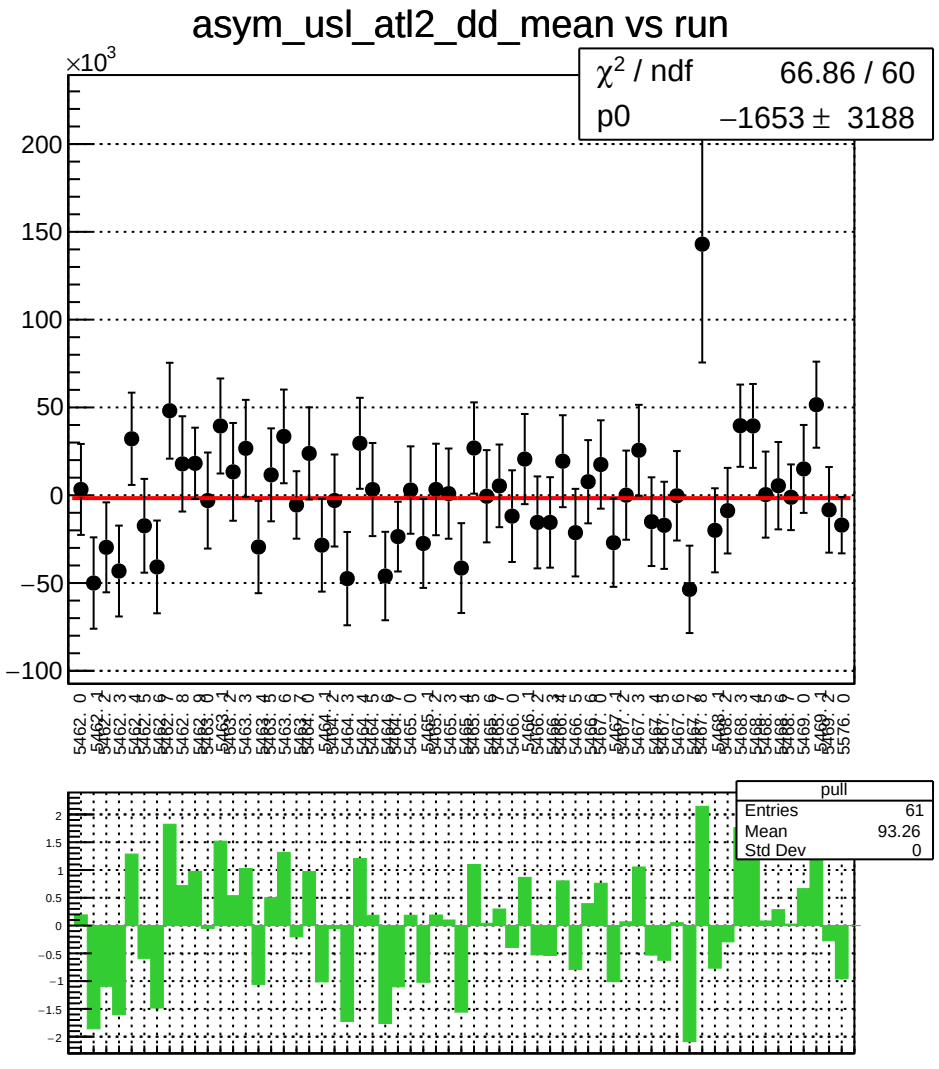

pull1D
Entries 61
Mean 0.04311
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

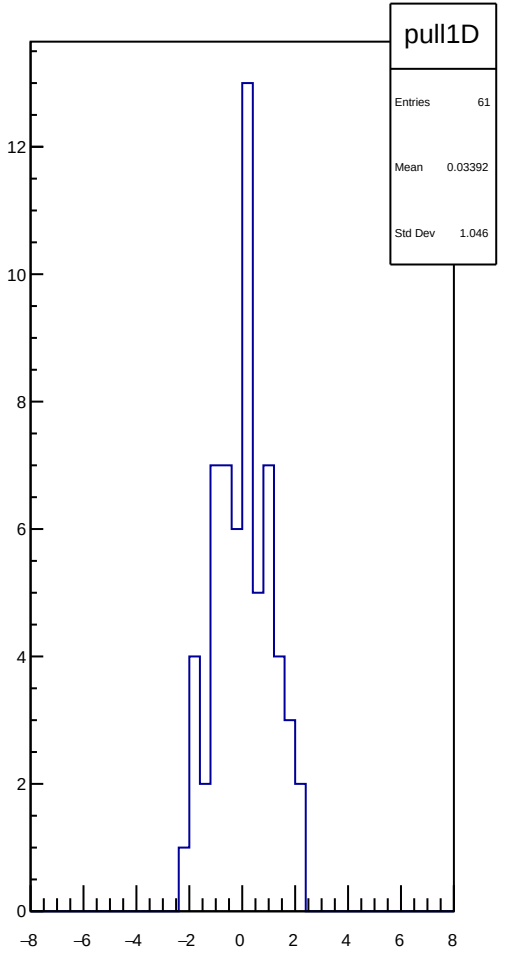

eigen_dit_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 5.839e+04 / 62
p0 791.9 ± 0.7377
100
80
60
40
20

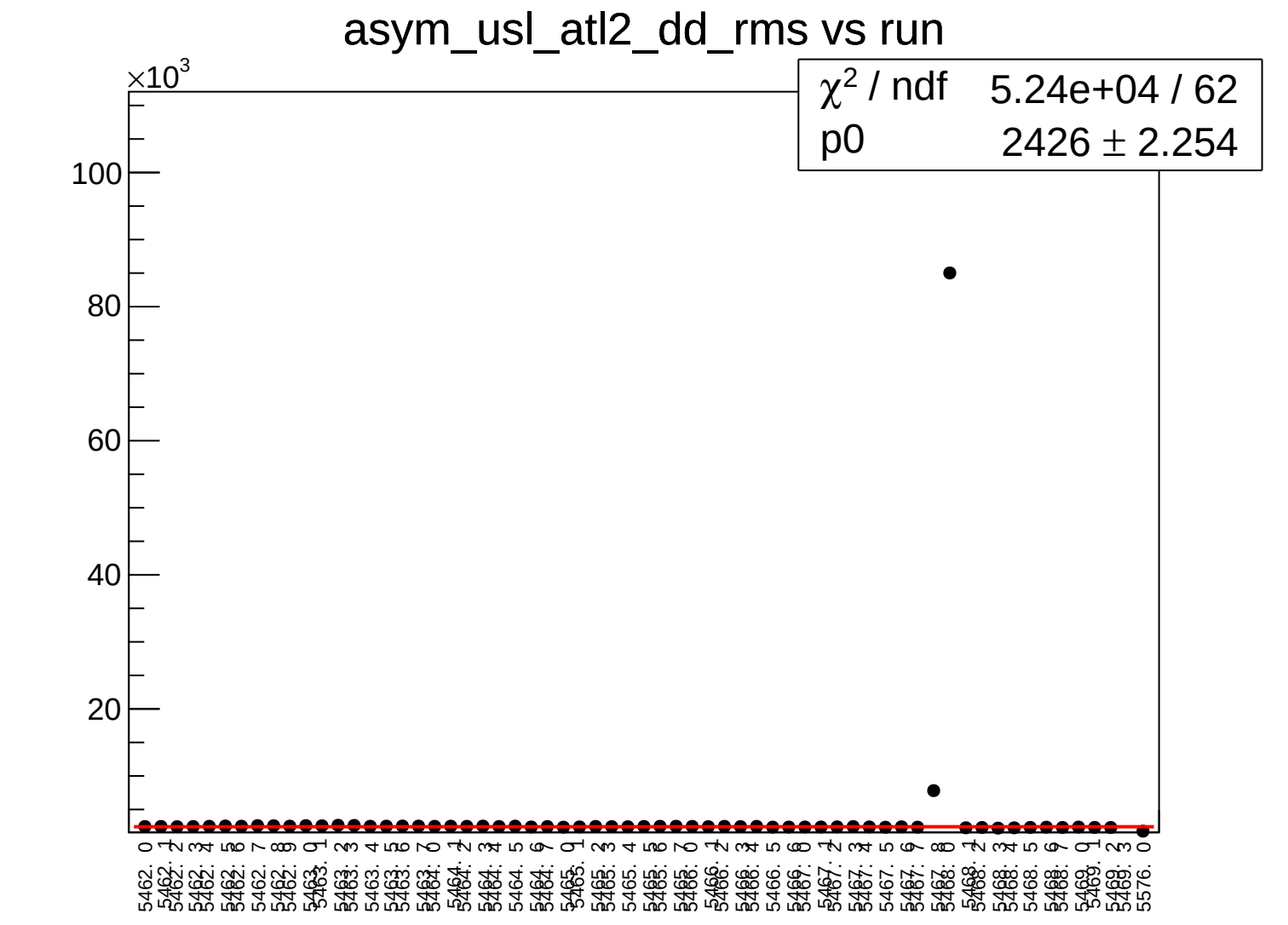

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 71.05 / 62
p0 1301 ± 3008
pull
Entries 63
Mean 1046
Std Dev 0

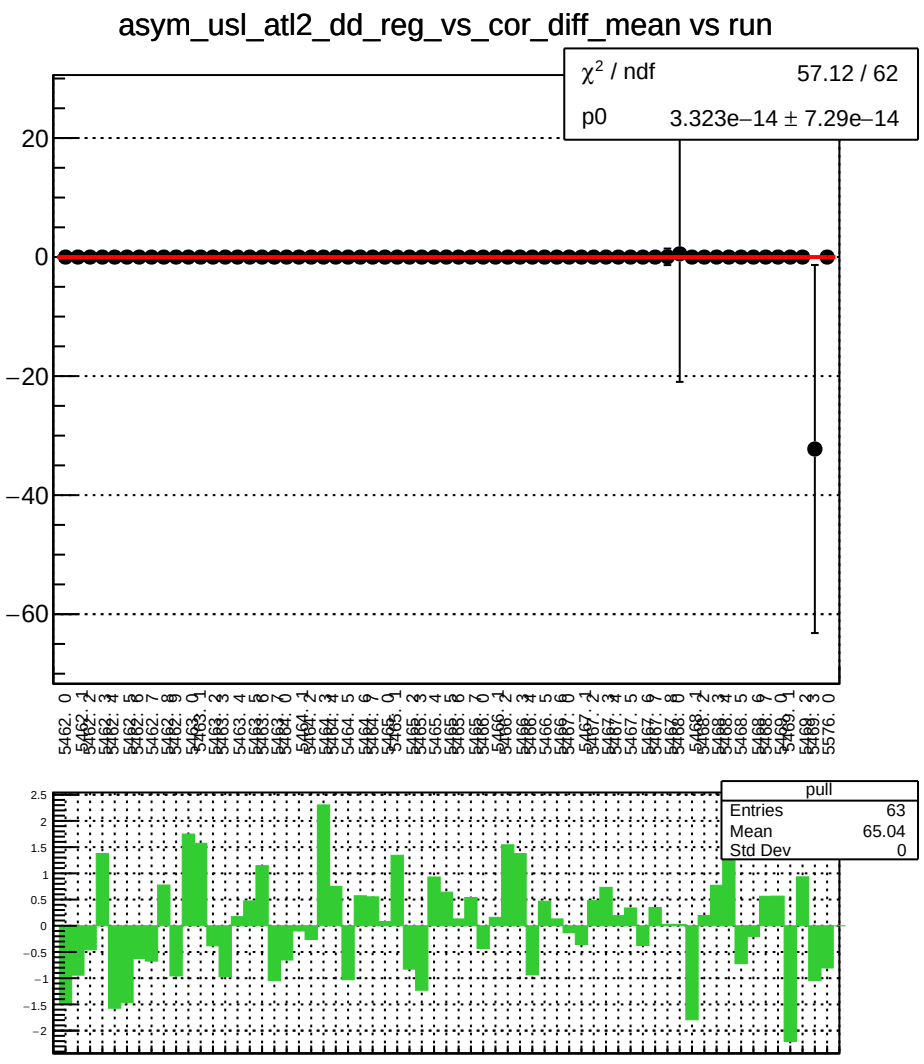

pull1D
Entries 63
Mean −0.001918
Std Dev 1.062

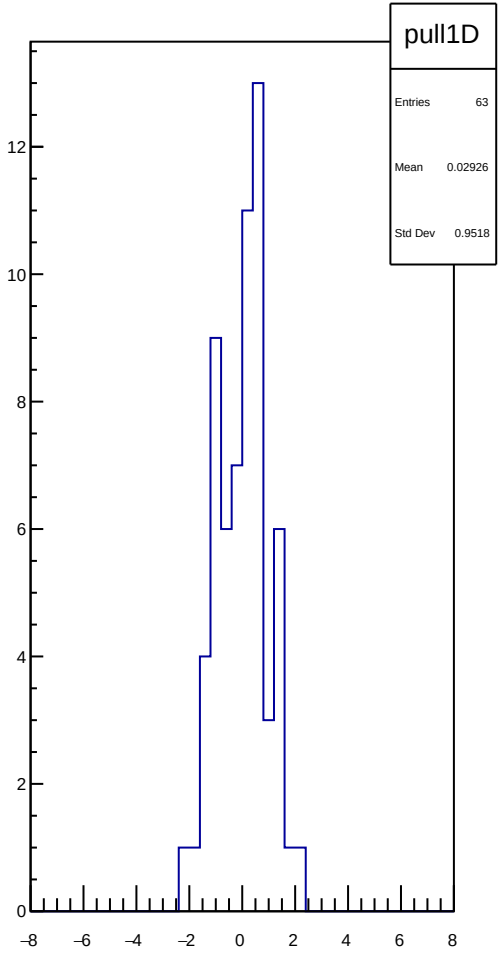

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6156 / 62
p0 2335 ± 2.127
2600
2400
2200
2000
1800
1600
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

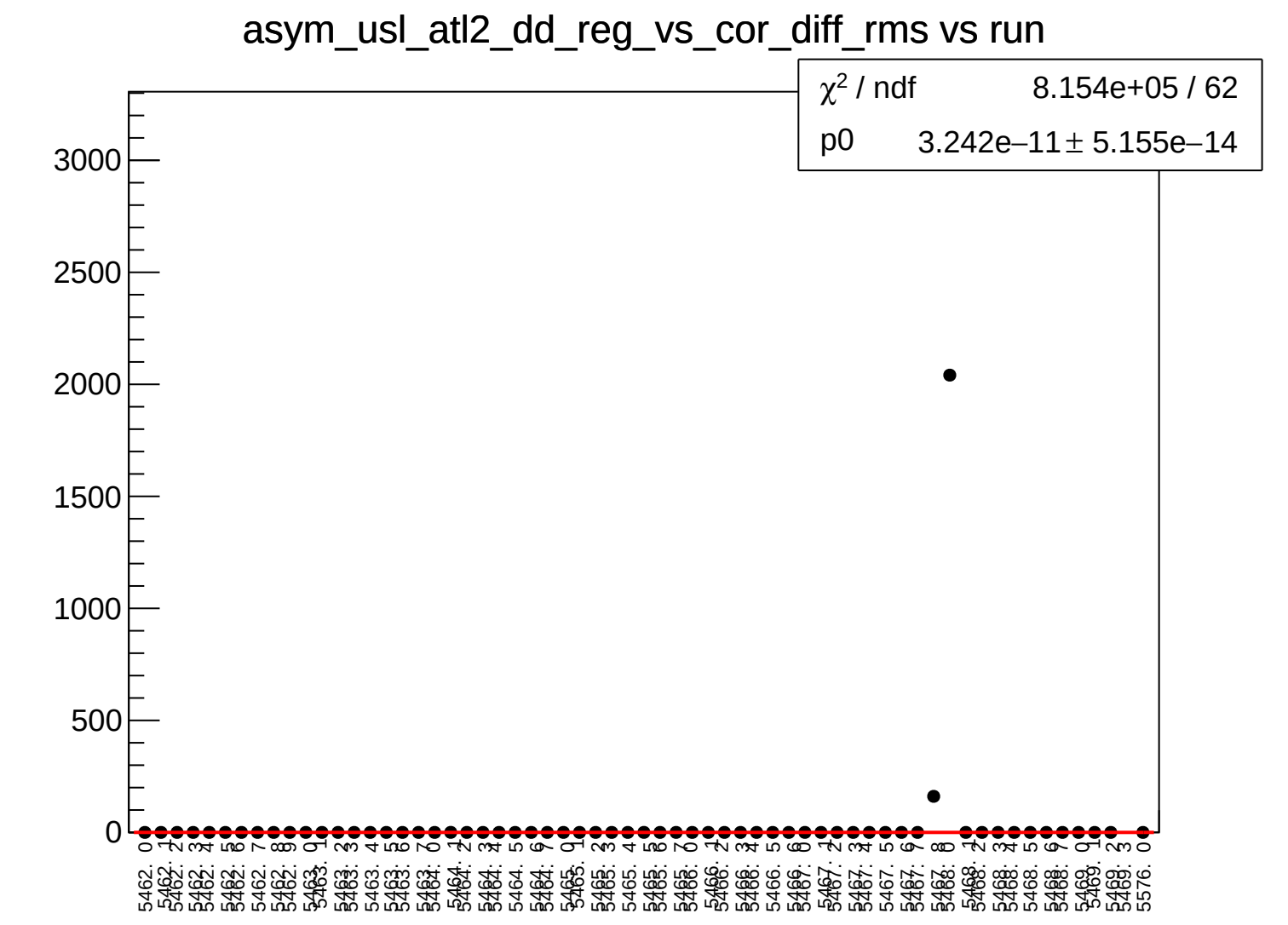

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 66.86 / 60
p0 −1653 ± 3188
200
150
100
50
0
−50
−100
pull
Entries 61
Mean 93.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

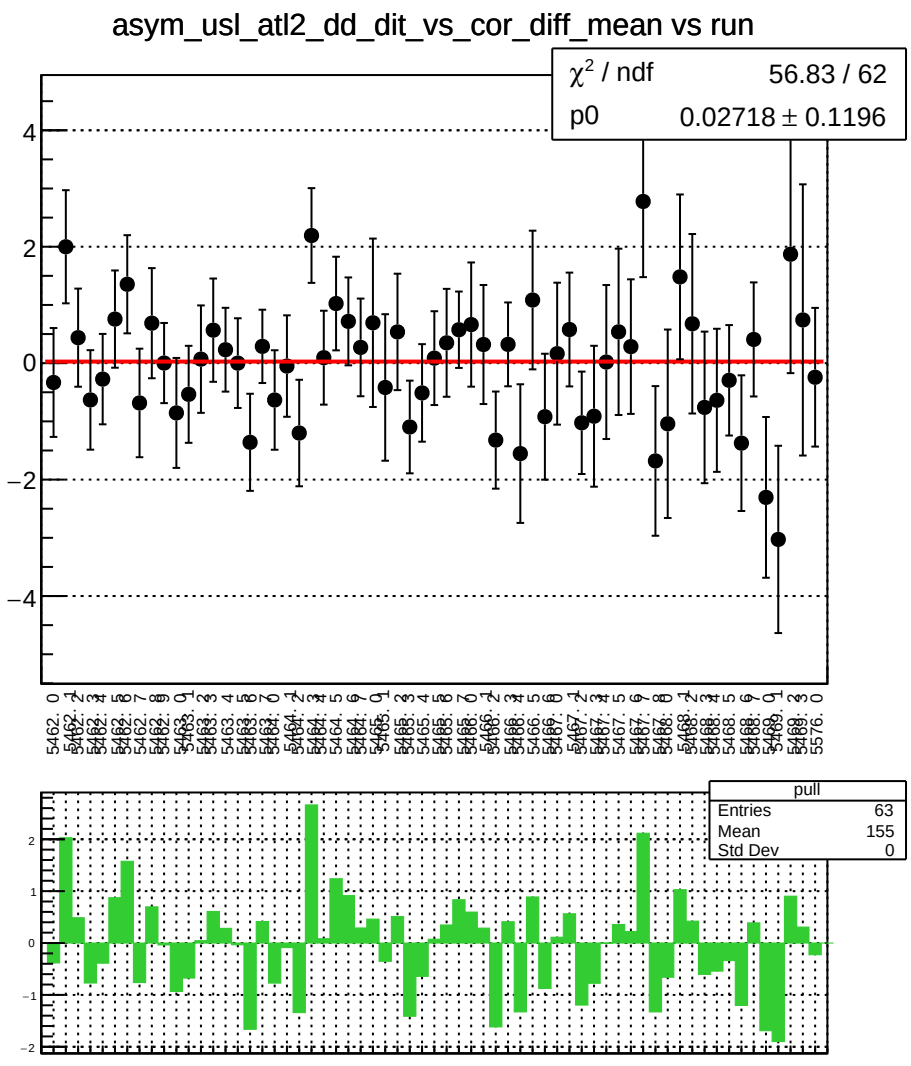

pull1D
Entries 61
Mean 0.03392
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

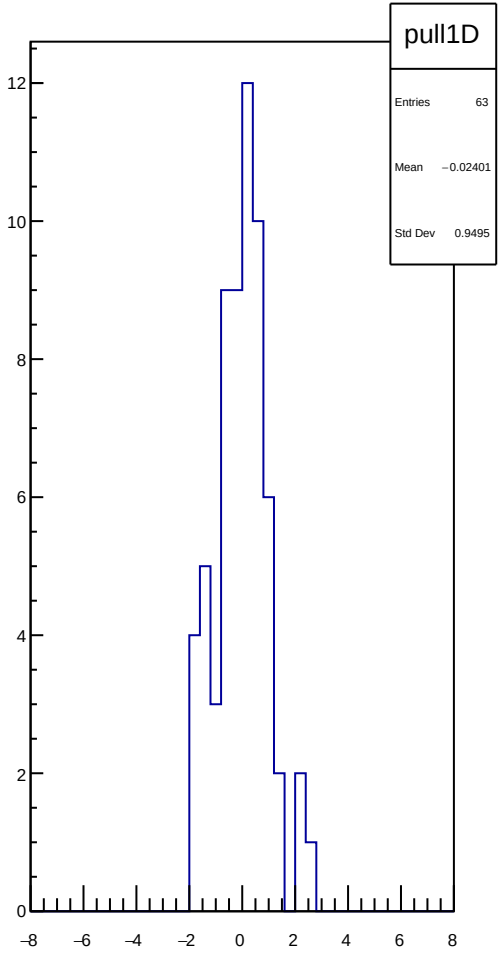

asym_usl_atl2_dd_rms vs run
×10^3
χ^2 / ndf 5.24e+04 / 62
p0 2426 ± 2.254
100
80
60
40
20

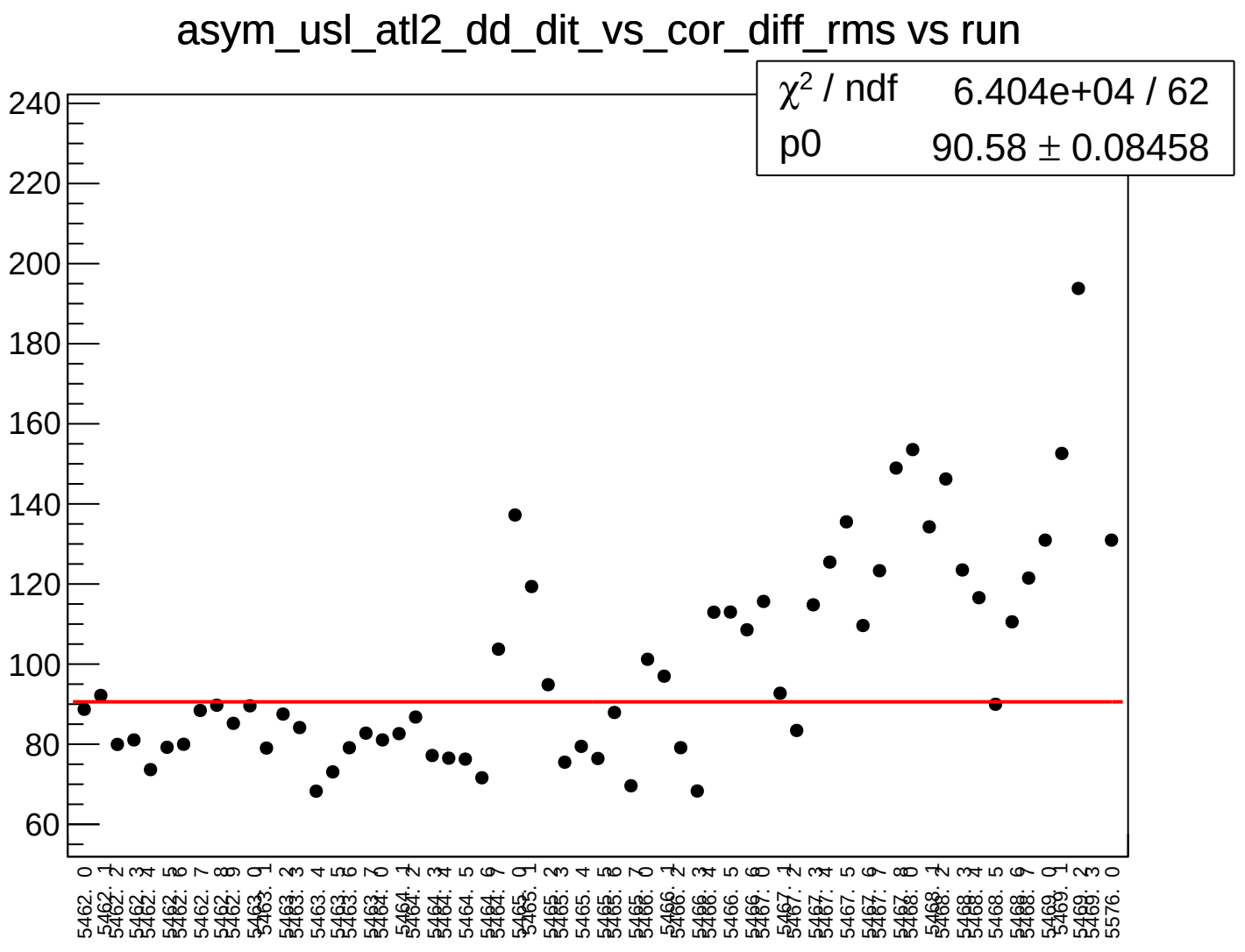

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.12 / 62
p0 3.323e−14 ± 7.29e−14
pull
Entries 63
Mean 65.04
Std Dev 0

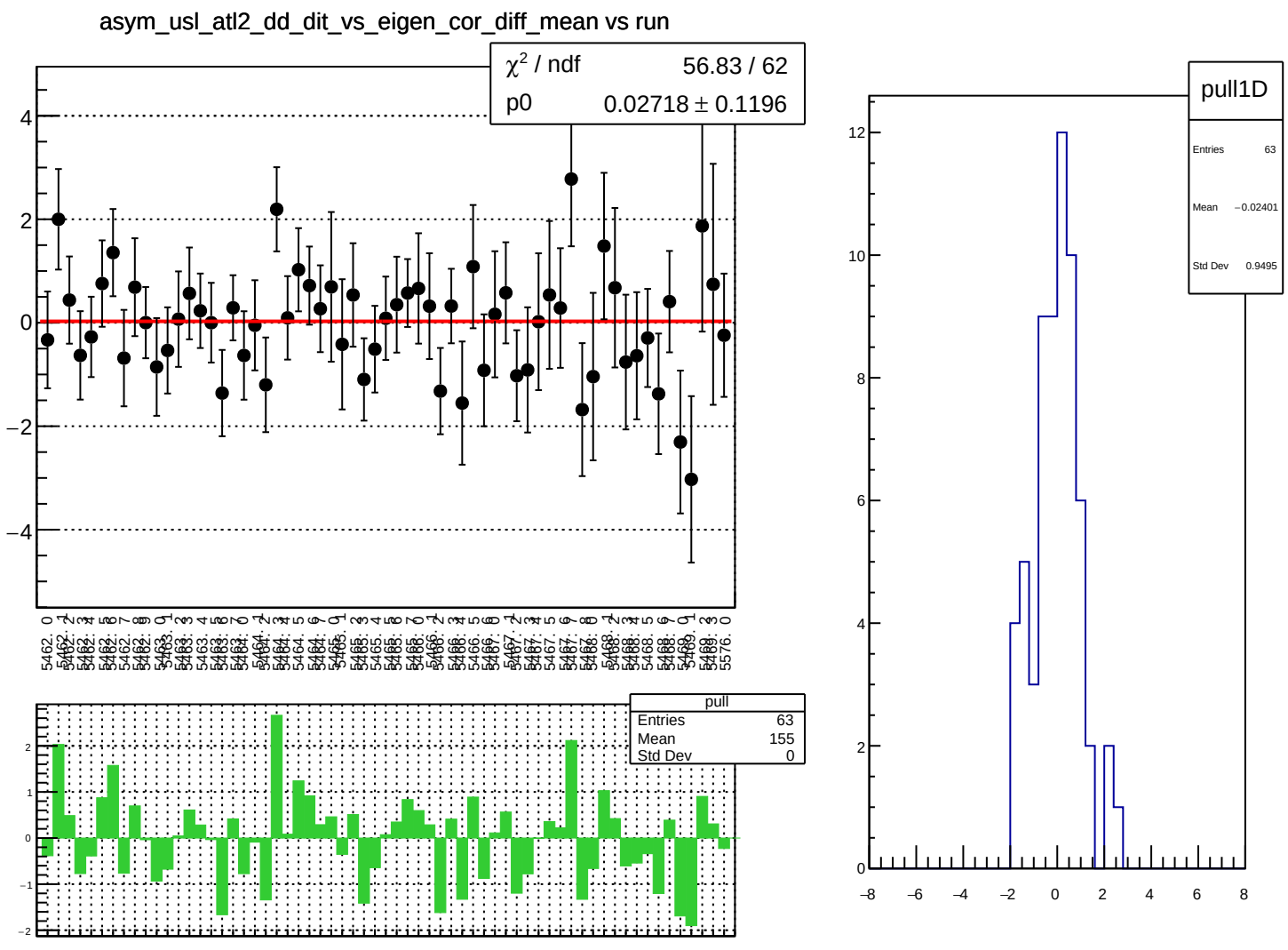

pull1D
Entries 63
Mean 0.02926
Std Dev 0.9518

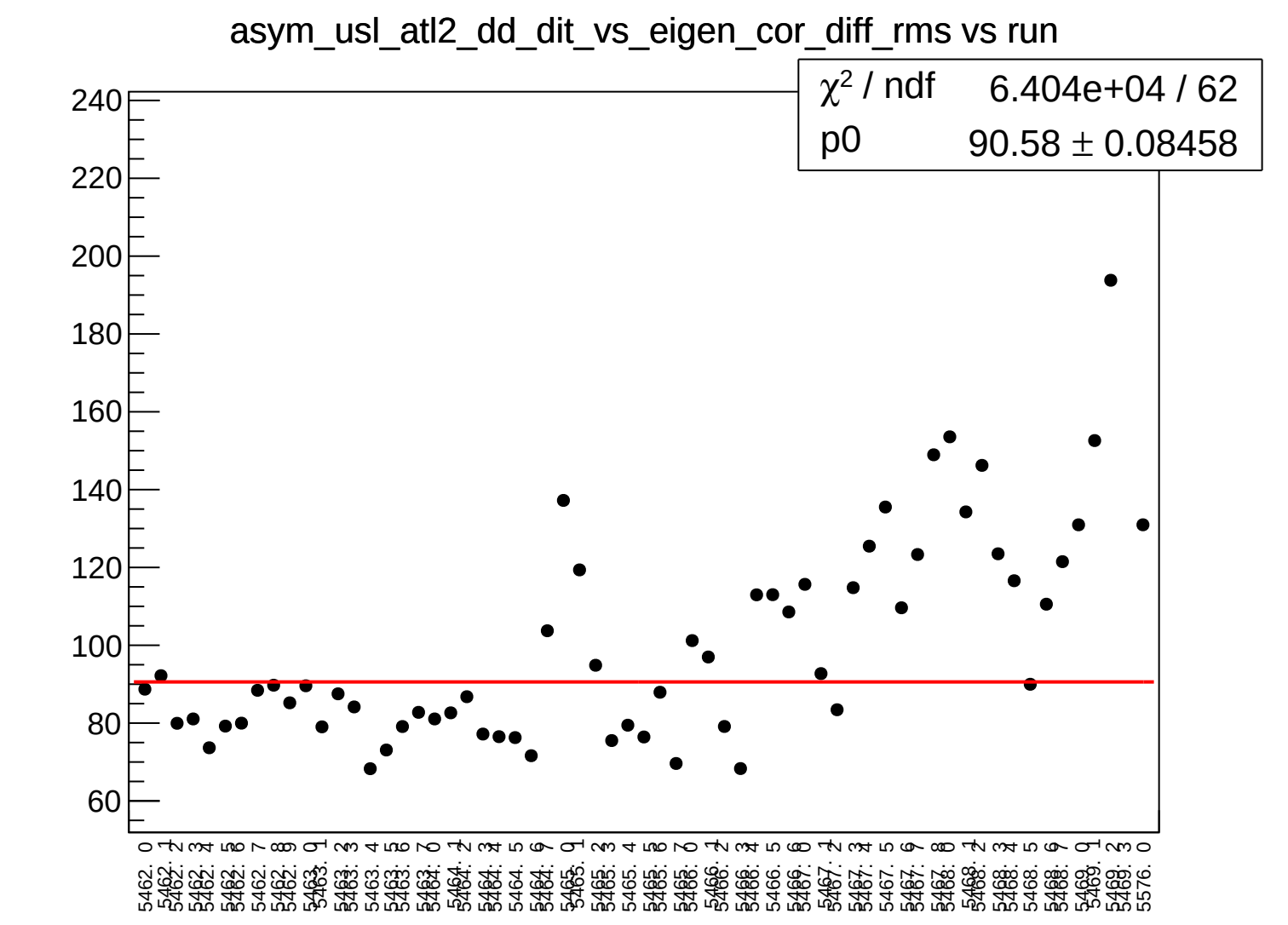

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.154e+05 / 62
p0 3.242e−11 ± 5.155e−14
3000
2500
2000
1500
1000
500
0

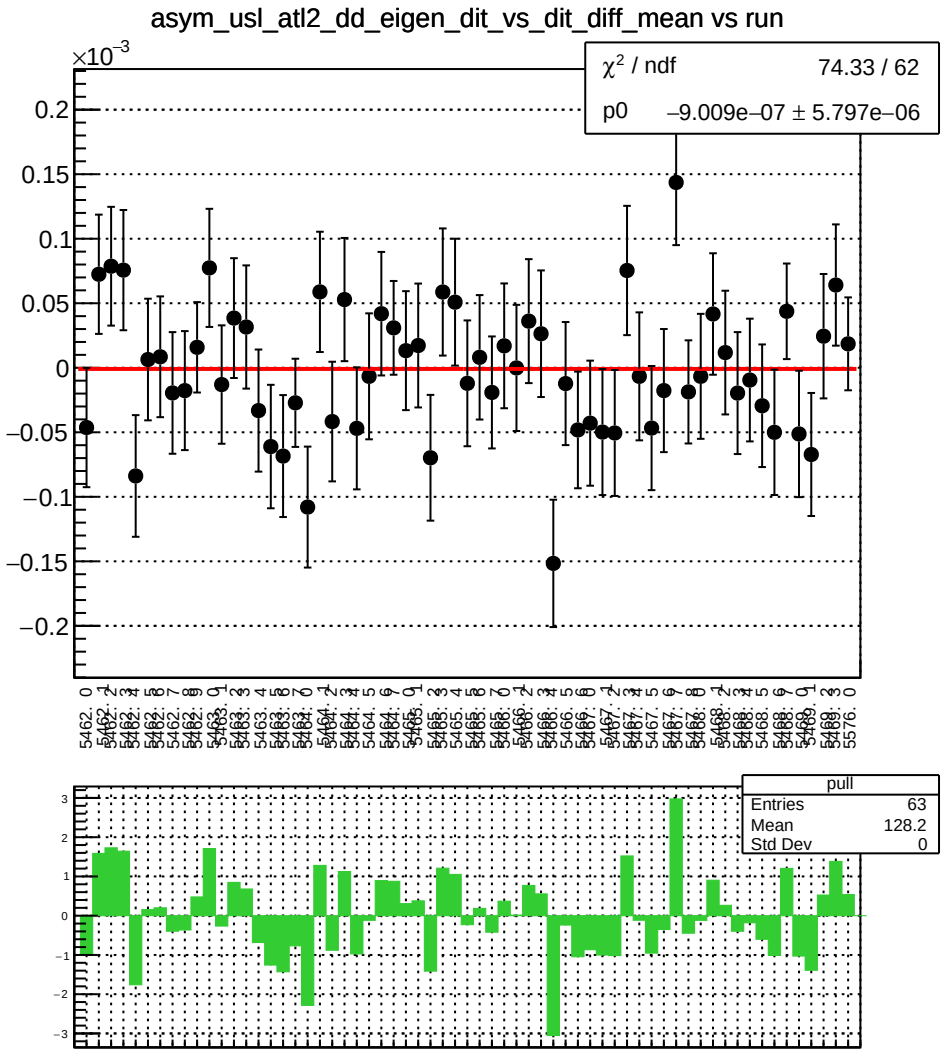

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.83 / 62
p0 0.02718 ± 0.1196
pull
Entries 63
Mean 155
Std Dev 0

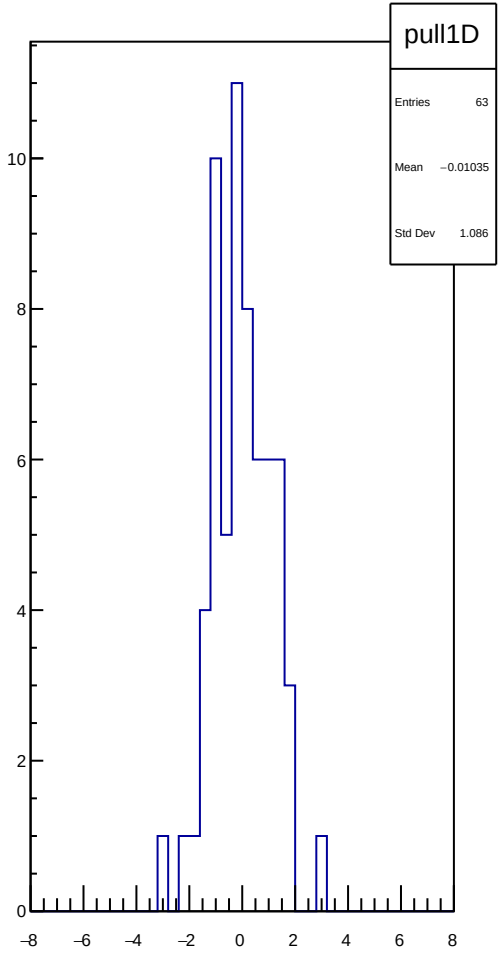

pull1D
Entries 63
Mean −0.02401
Std Dev 0.9495

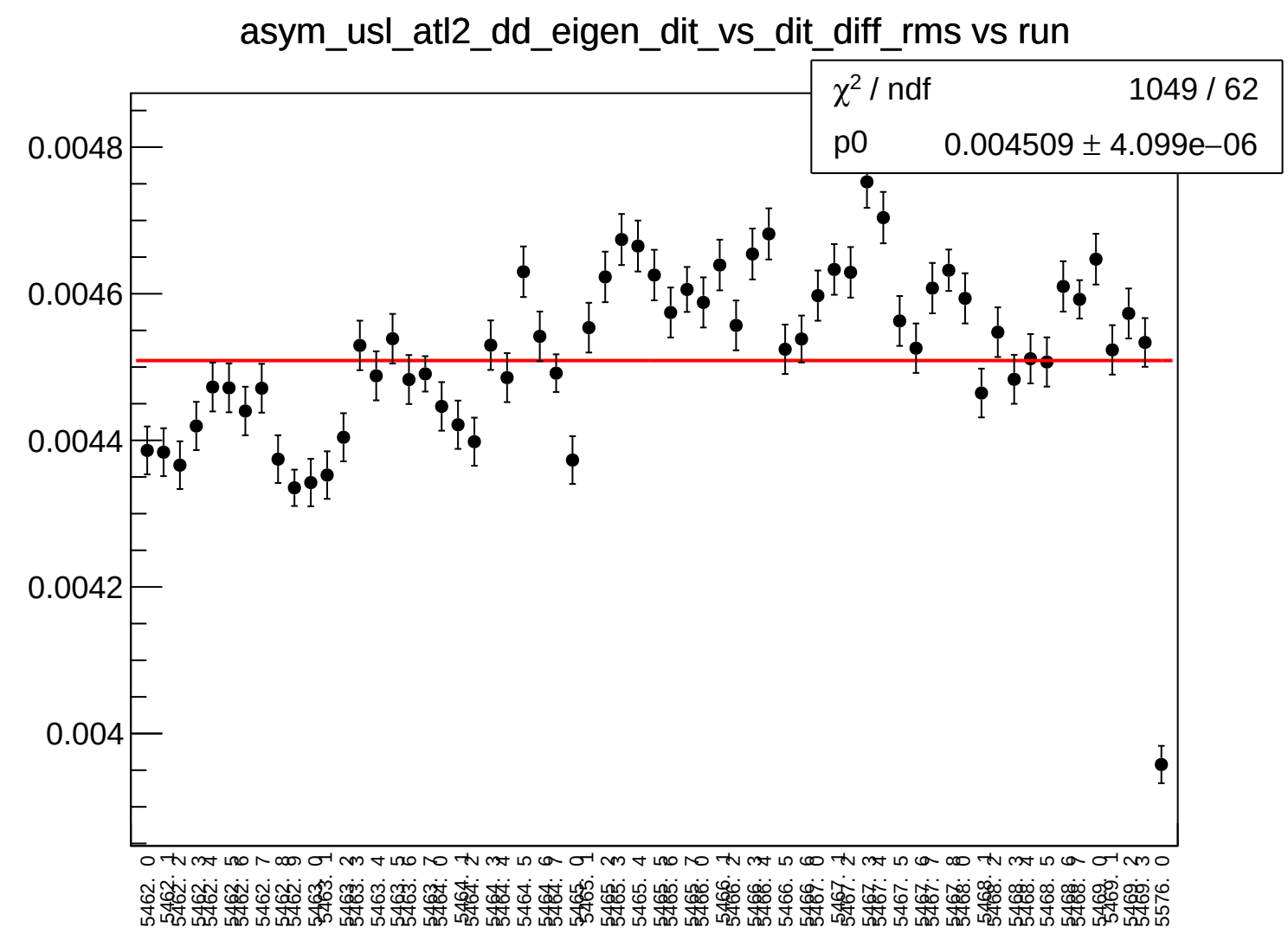

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.404e+04 / 62
p0 90.58 ± 0.08458
240
220
200
180
160
140
120
100
80
60

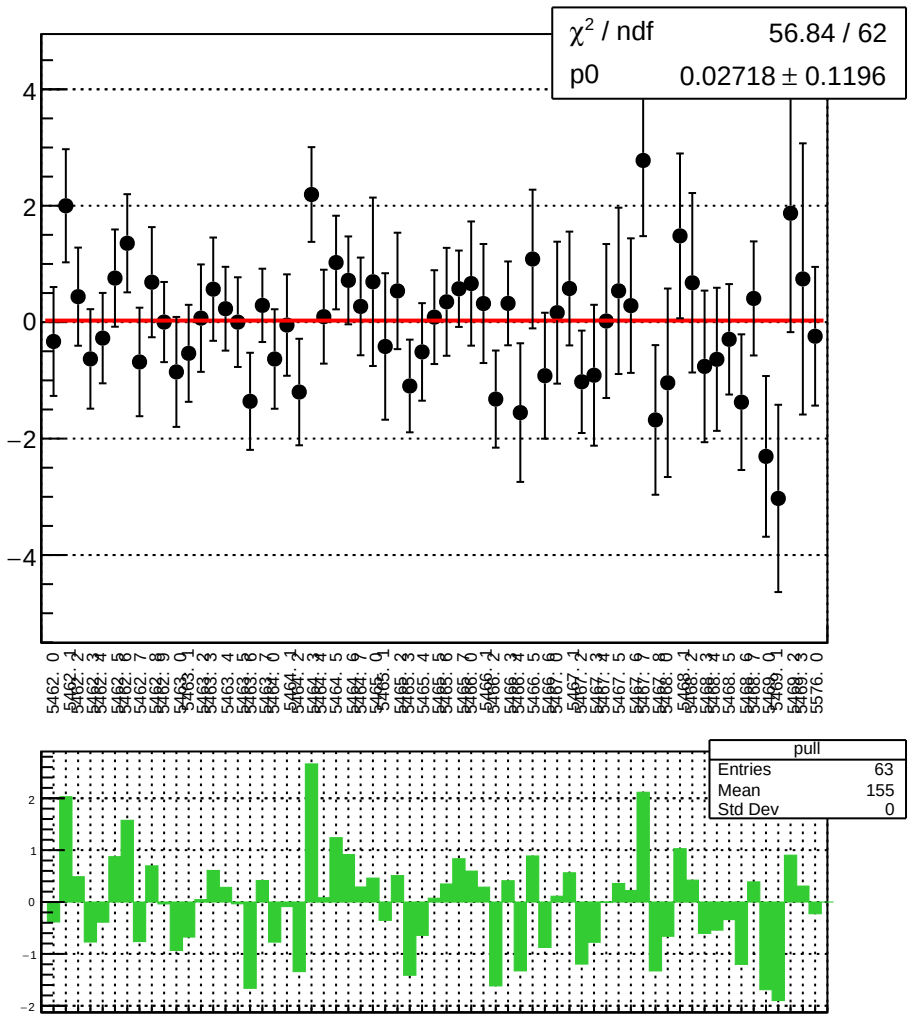

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.83 / 62
p0 0.02718 ± 0.1196
pull
Entries 63
Mean 155
Std Dev 0
pull1D
Entries 63
Mean −0.02401
Std Dev 0.9495

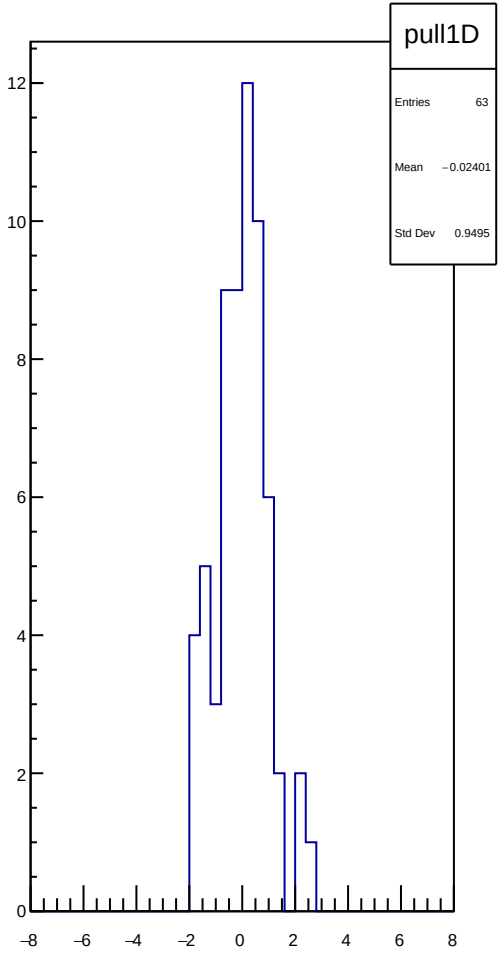

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.404e+04 / 62
p0 90.58 ± 0.08458
240
220
200
180
160
140
120
100
80
60

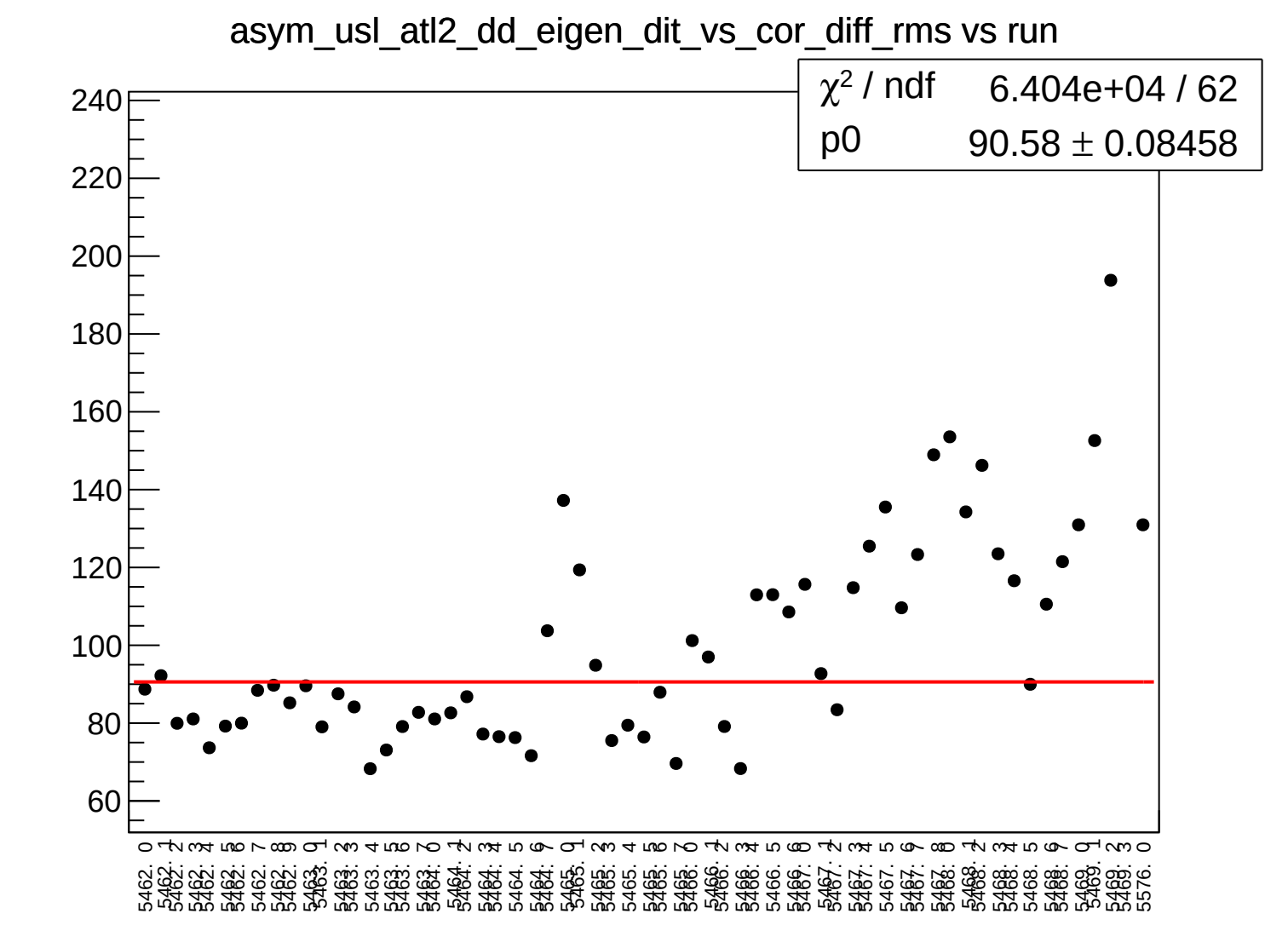

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.33 / 62
p0 −9.009e−07 ± 5.797e−06
pull
Entries 63
Mean 128.2
Std Dev 0

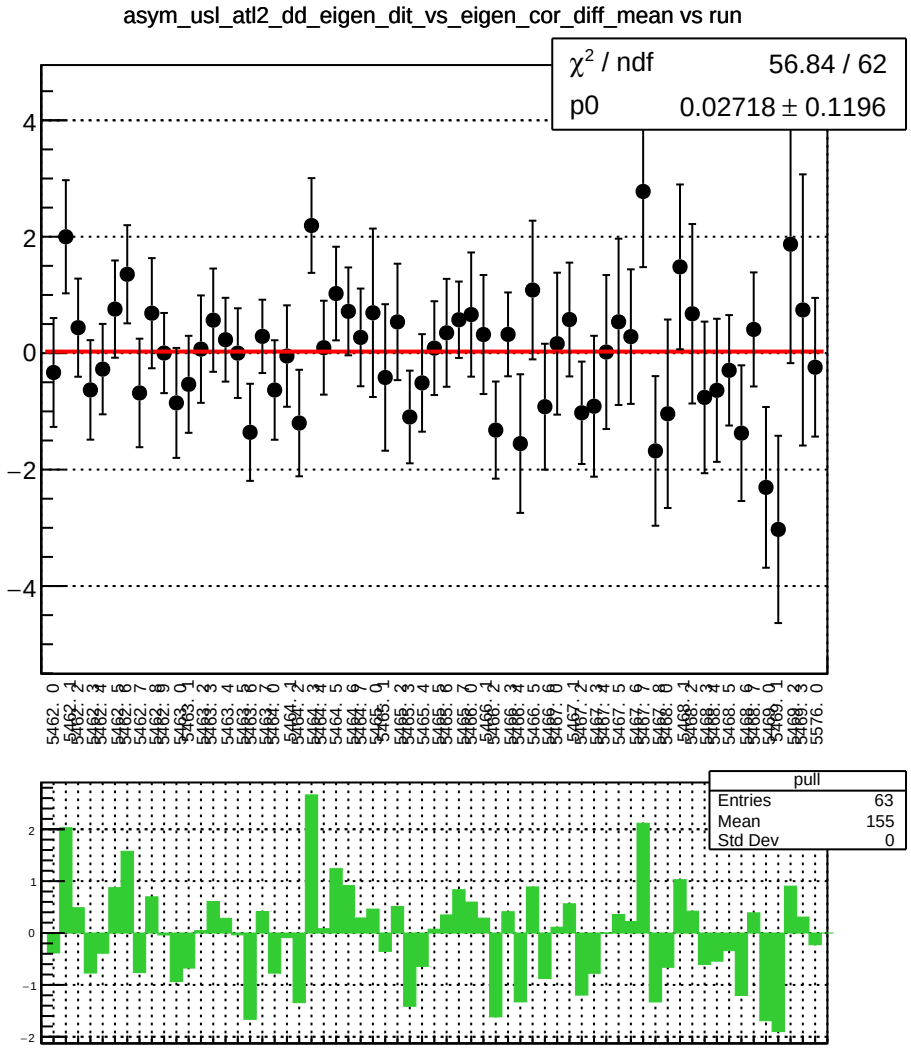

pull1D
Entries 63
Mean −0.01035
Std Dev 1.086

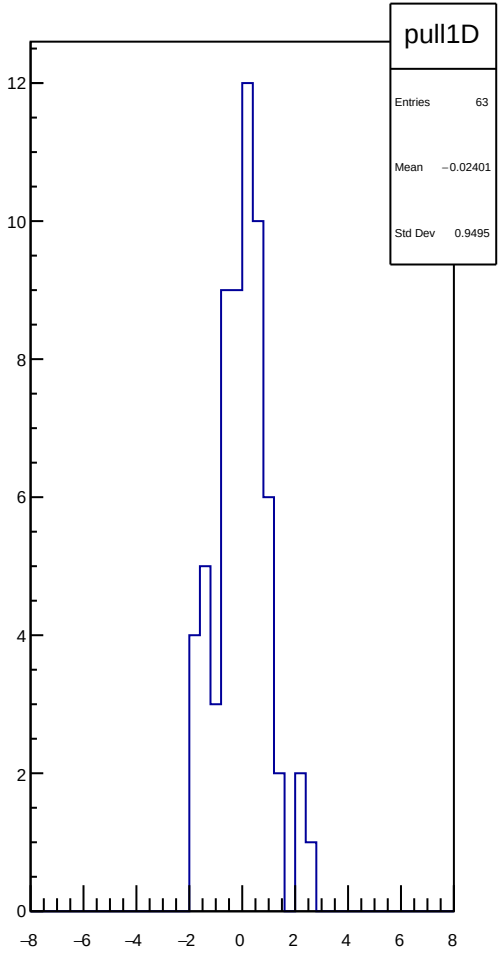

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1049 / 62
p0 0.004509 ± 4.099e−06
0.0048
0.0046
0.0044
0.0042
0.004

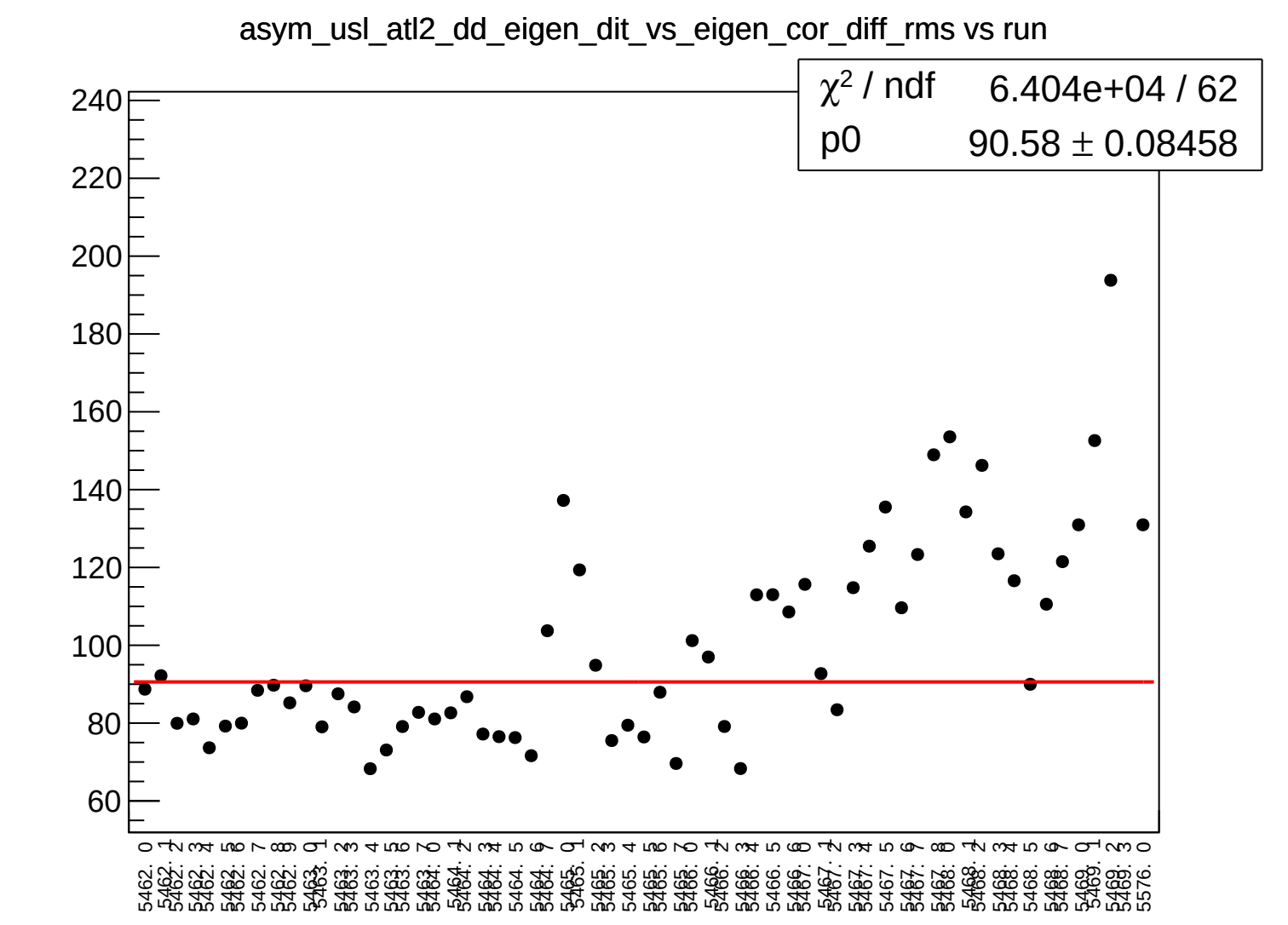

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.84 / 62
p0 0.02718 ± 0.1196
pull
Entries 63
Mean 155
Std Dev 0

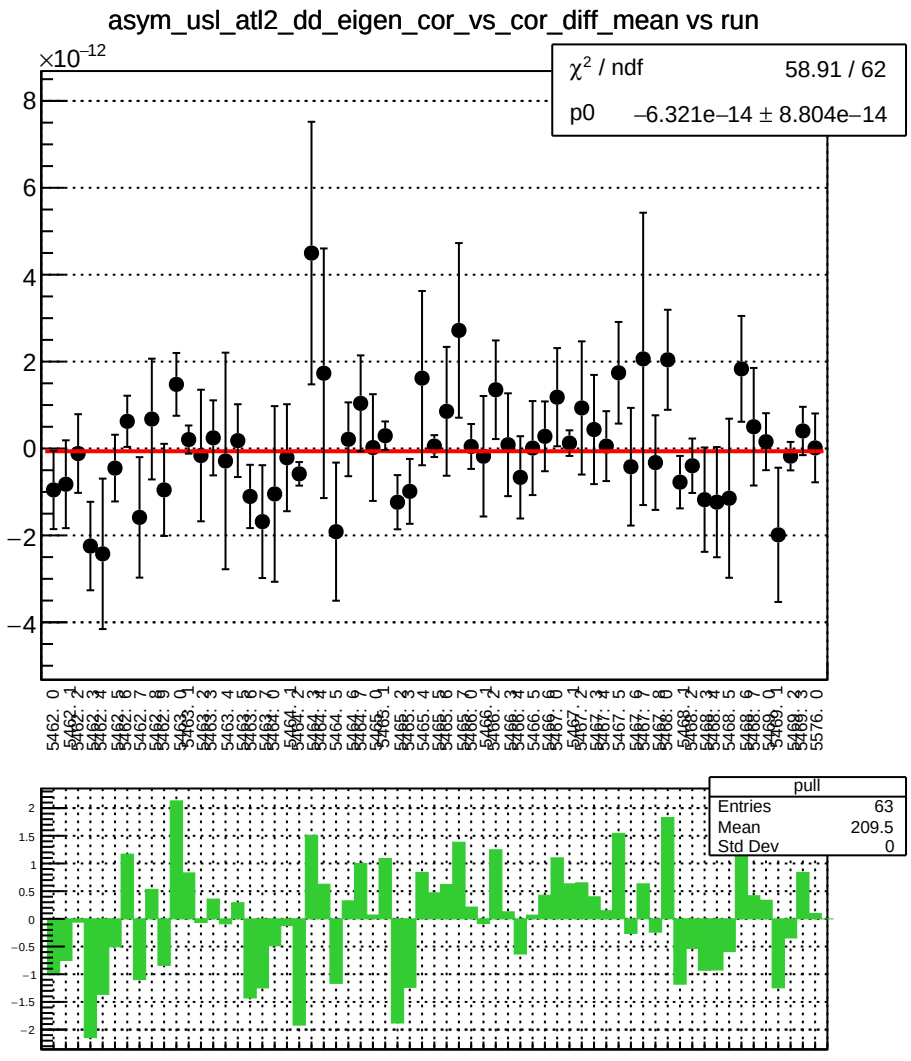

pull1D
Entries 63
Mean −0.02401
Std Dev 0.9495

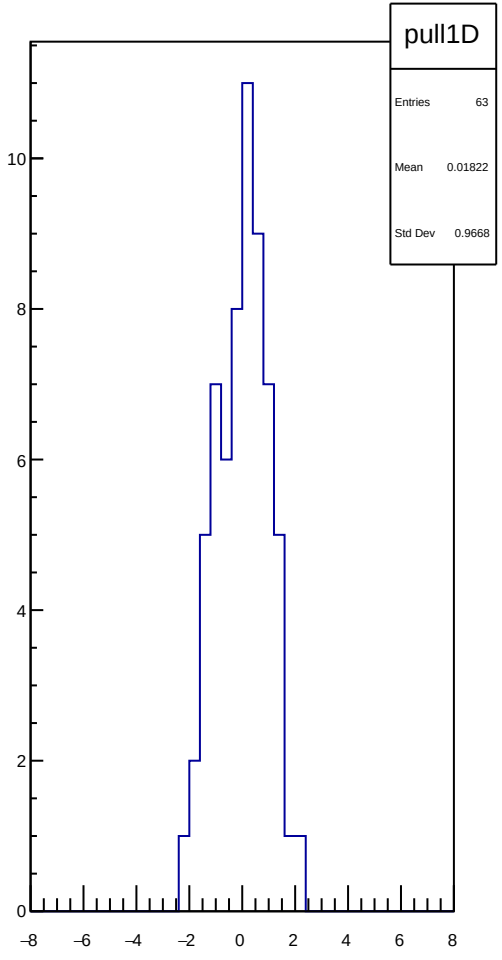

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.404e+04 / 62
p0 90.58 ± 0.08458
240
220
200
180
160
140
120
100
80
60

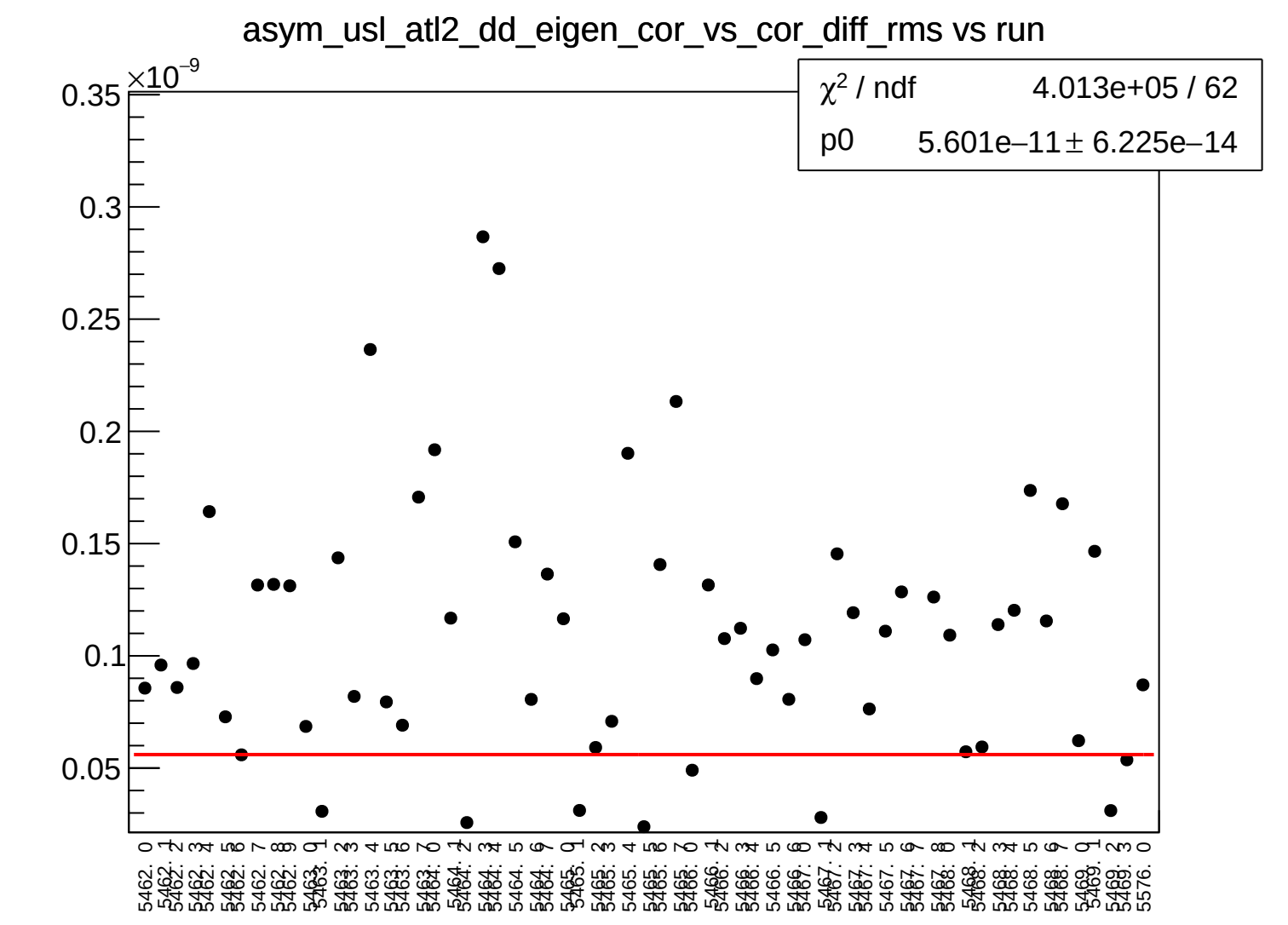

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.84 / 62
p0 0.02718 ± 0.1196
pull
Entries 63
Mean 155
Std Dev 0

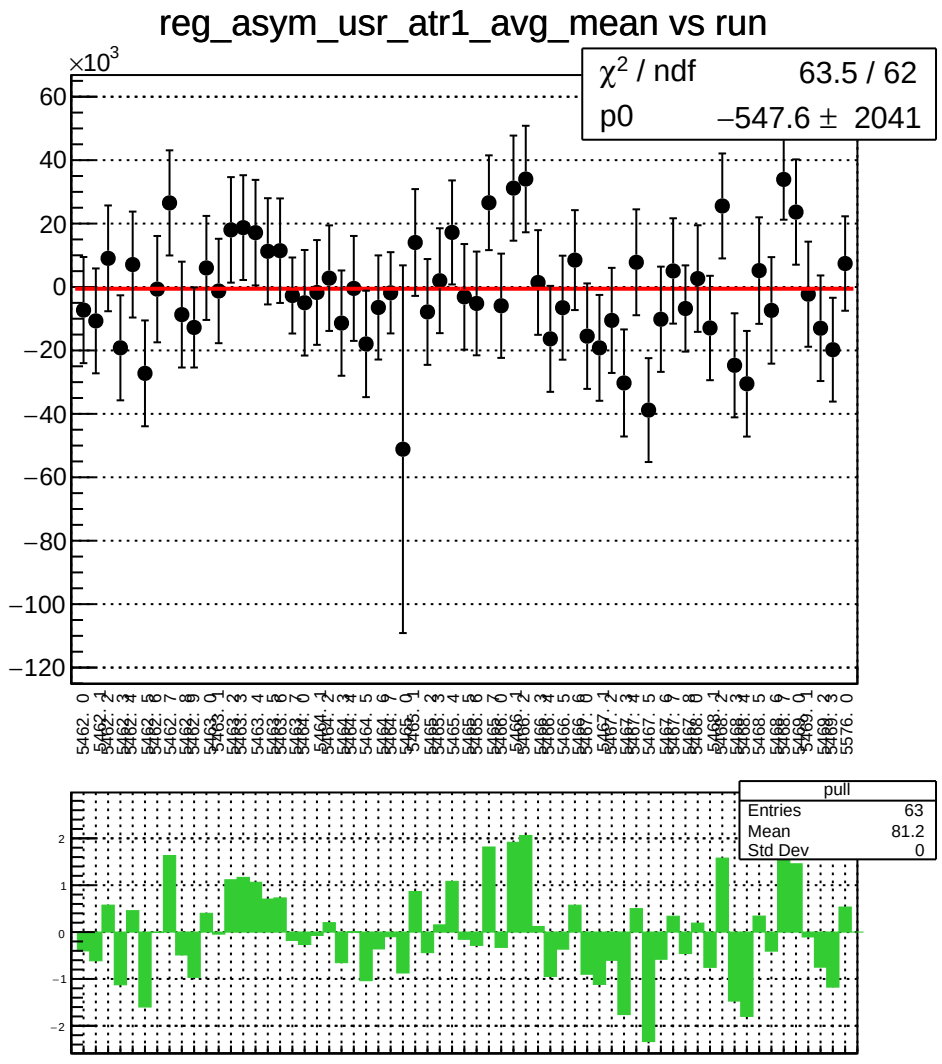

pull1D
Entries 63
Mean −0.02401
Std Dev 0.9495

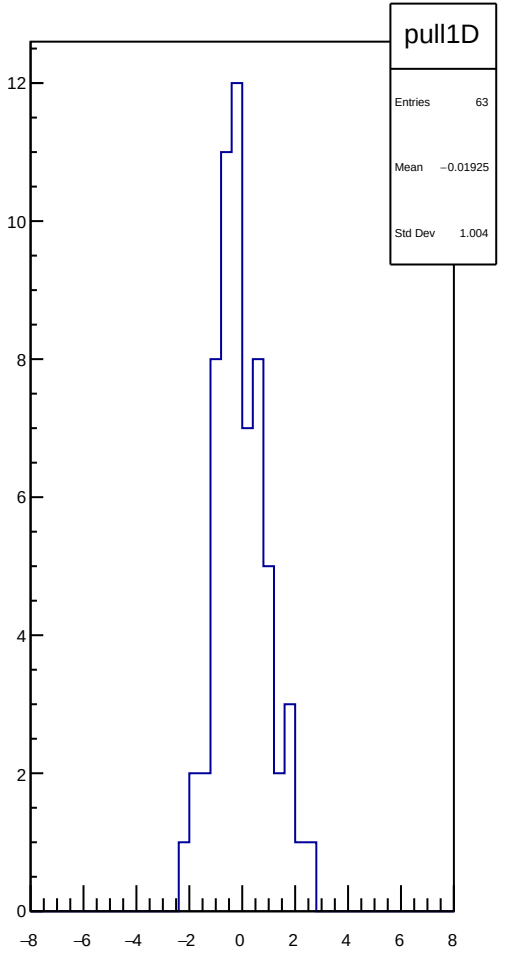

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.404e+04 / 62
p0 90.58 ± 0.08458
240
220
200
180
160
140
120
100
80
60

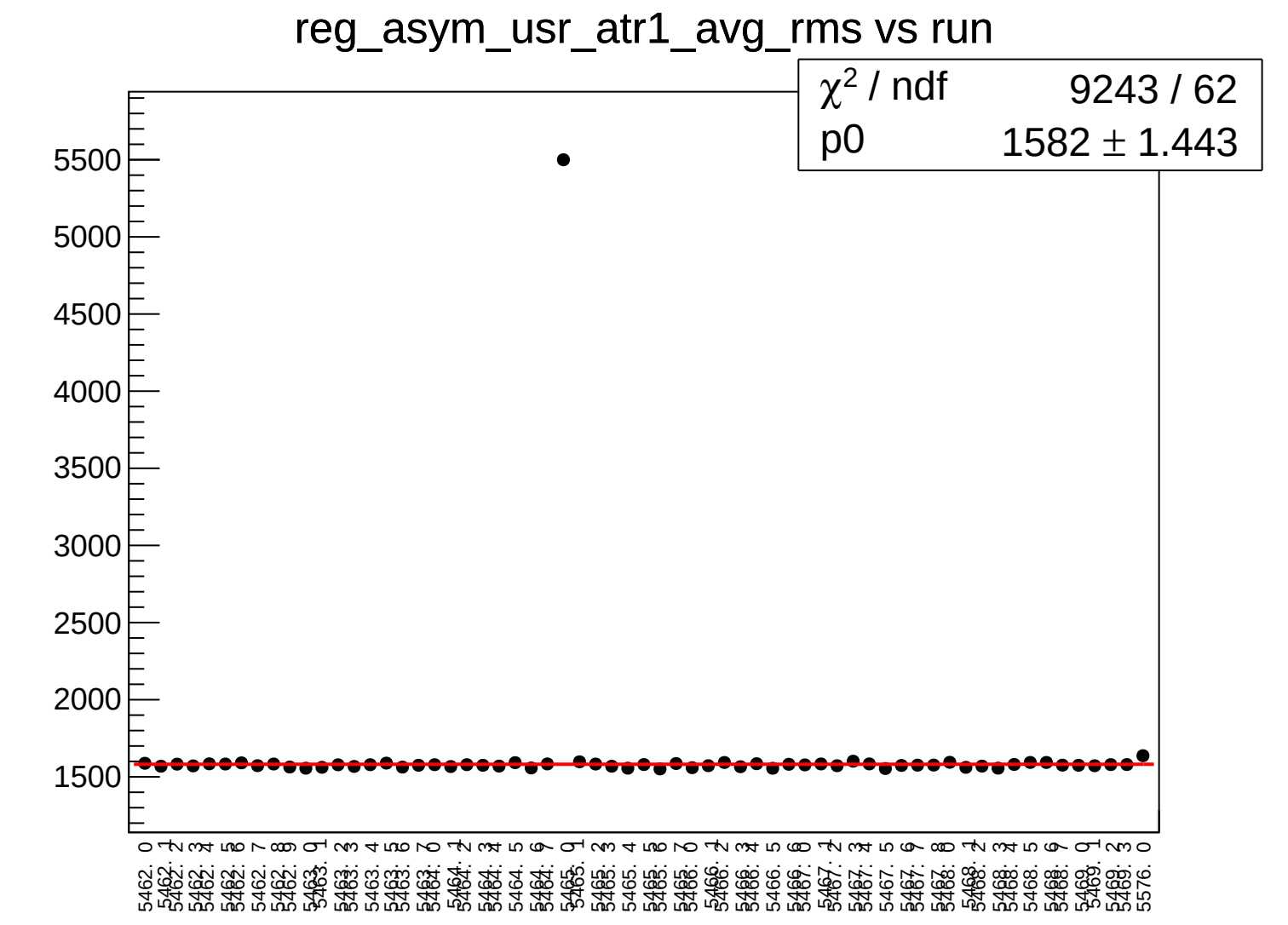

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.91 / 62
p0 −6.321e−14 ± 8.804e−14
pull
Entries 63
Mean 209.5
Std Dev 0

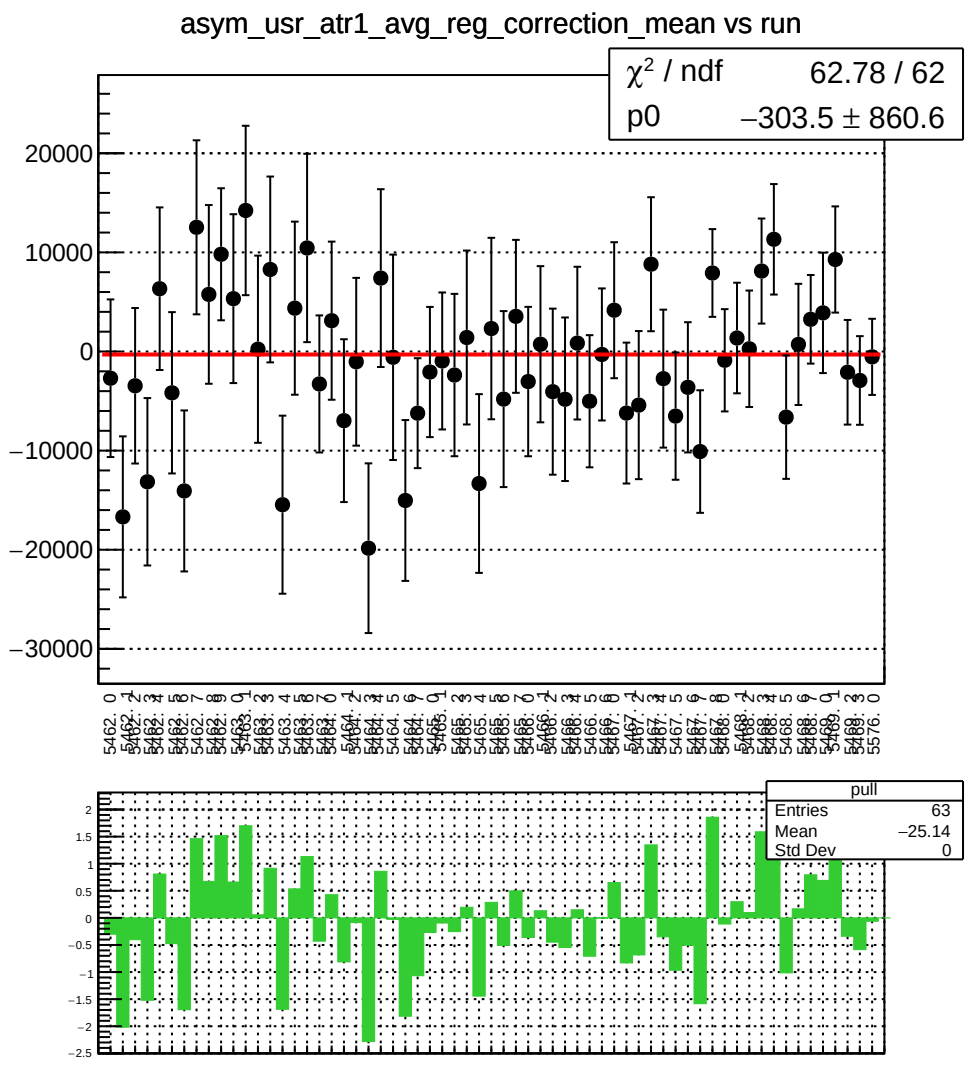

pull1D
Entries 63
Mean 0.01822
Std Dev 0.9668

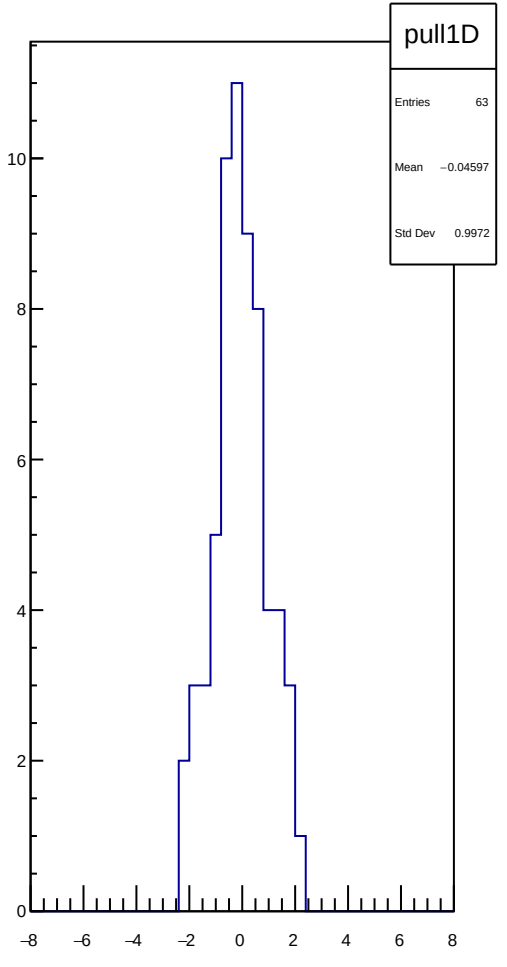

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.013e+05 / 62
p0 5.601e−11 ± 6.225e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

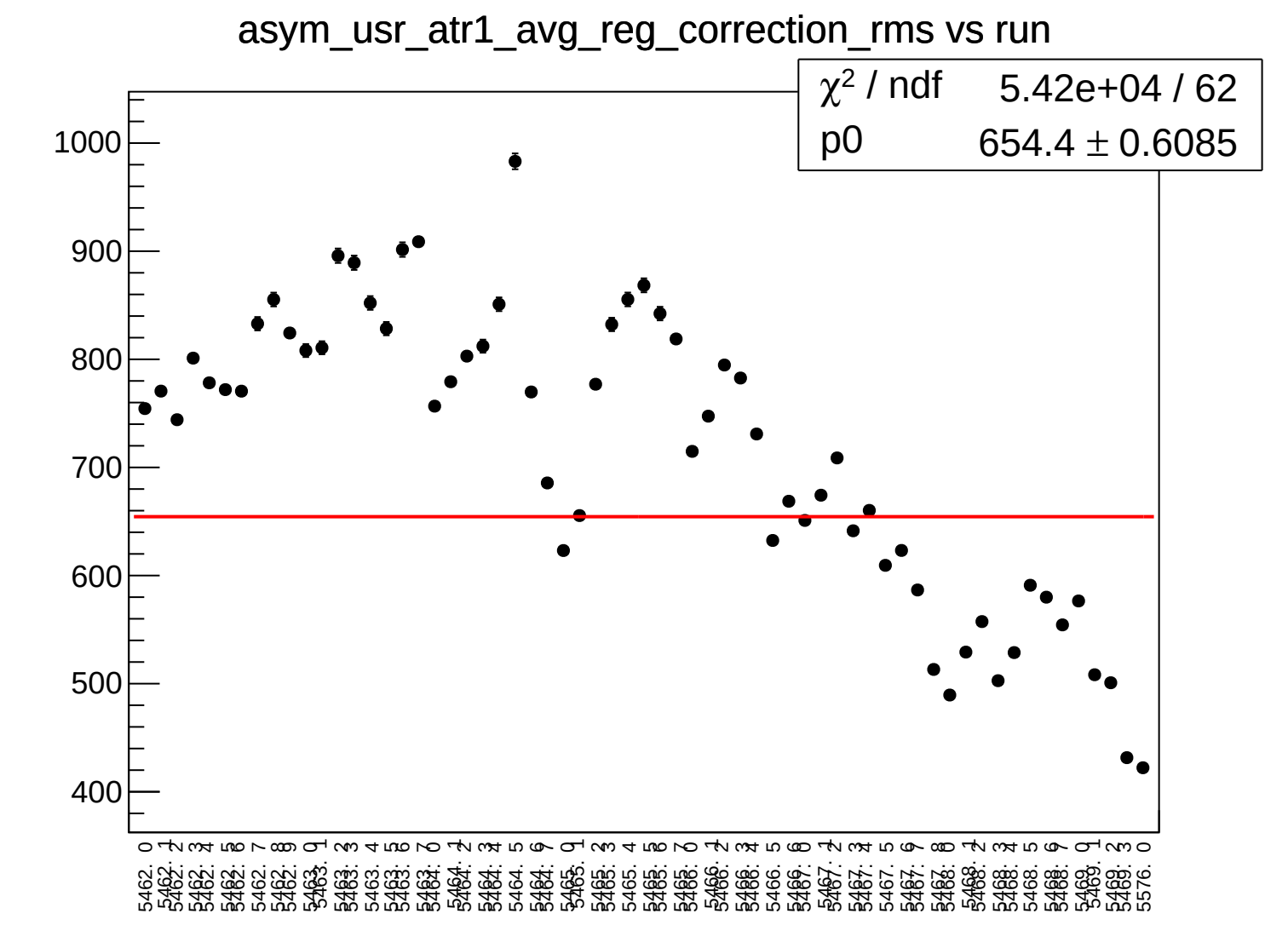

reg_asym_usr_atr1_avg_mean vs run
×10^3
χ^2 / ndf 63.5 / 62
p0 −547.6 ± 2041
pull
Entries 63
Mean 81.2
Std Dev 0

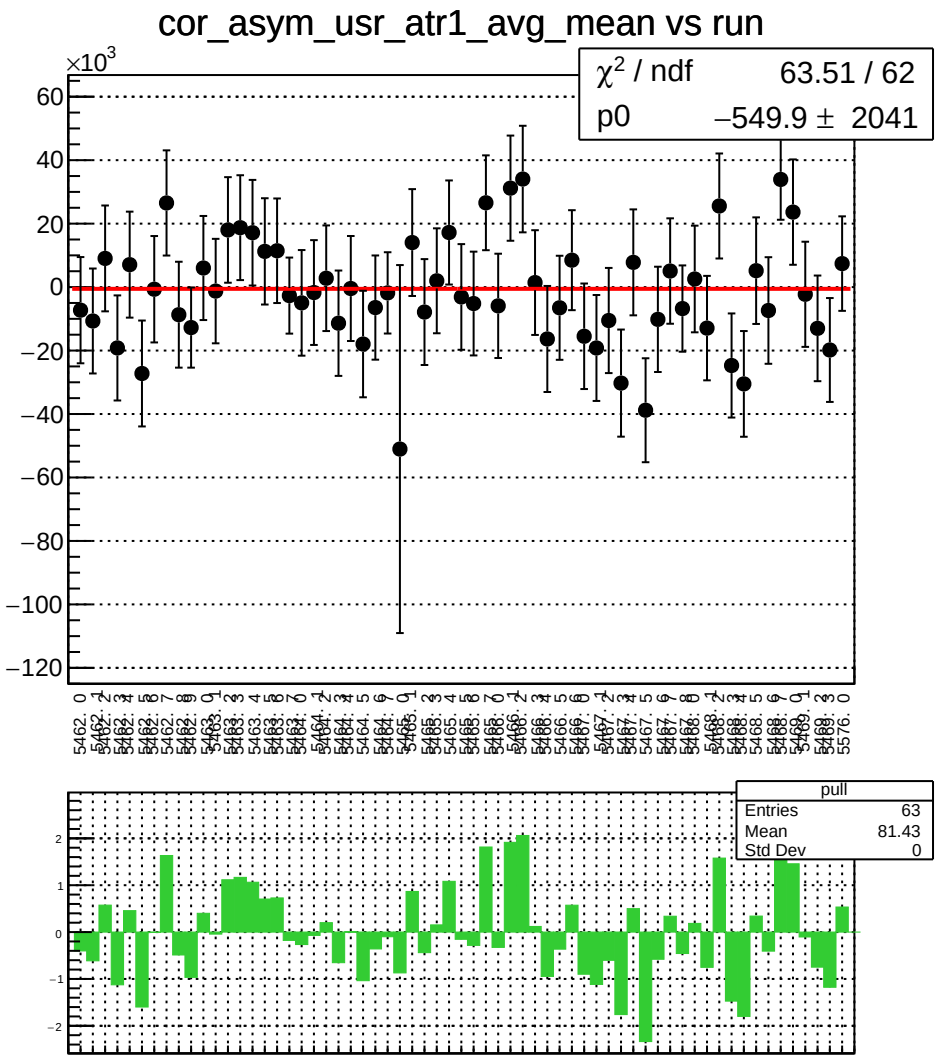

pull1D
Entries 63
Mean −0.01925
Std Dev 1.004

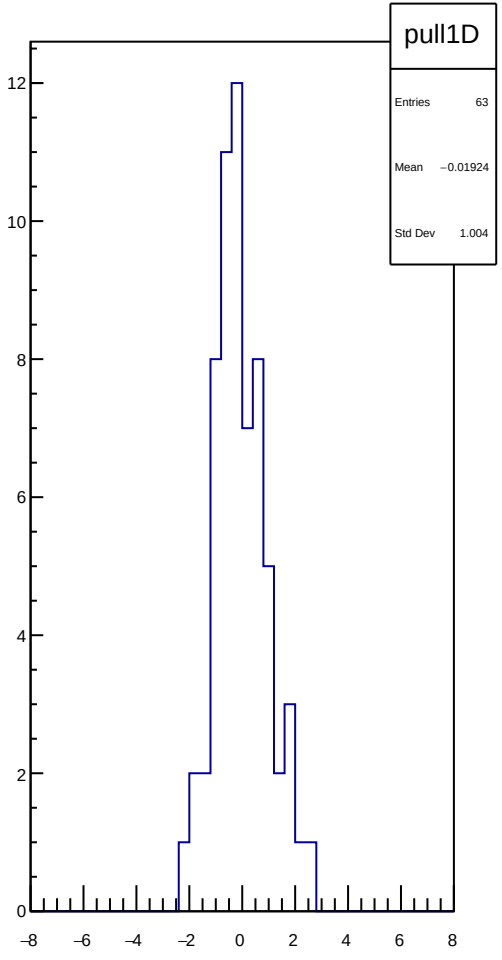

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 9243 / 62
p0 1582 ± 1.443
5500
5000
4500
4000
3500
3000
2500
2000
1500

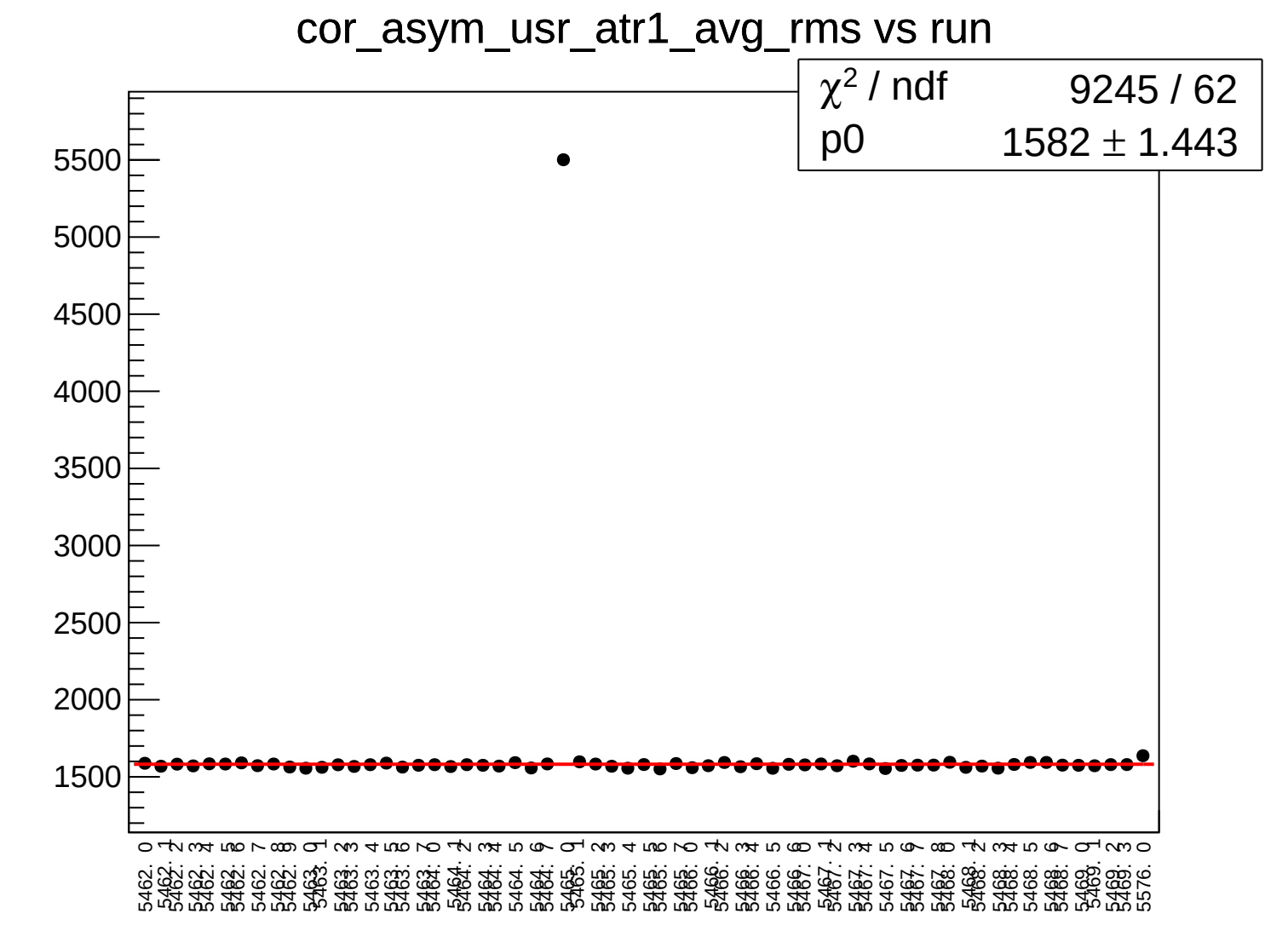

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 62.78 / 62
p0 −303.5 ± 860.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −25.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

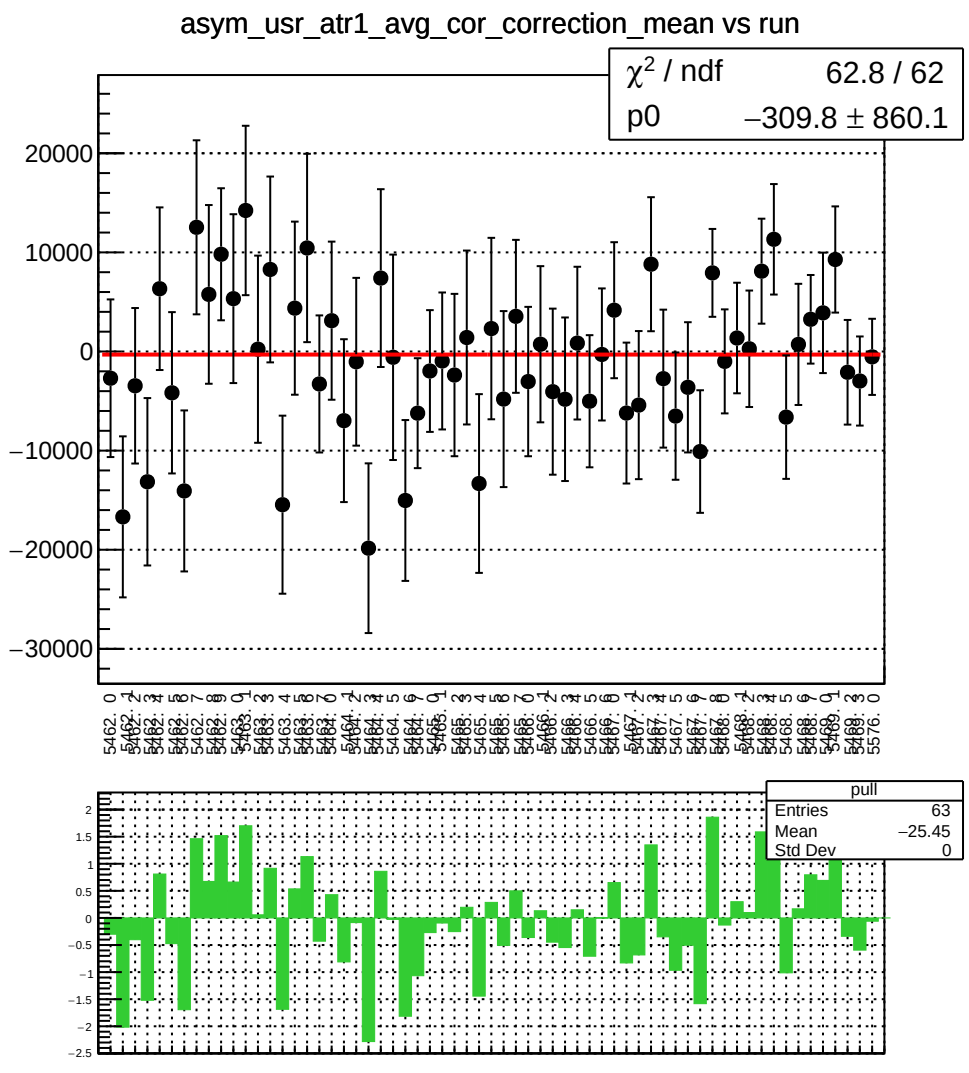

pull1D
Entries 63
Mean −0.04597
Std Dev 0.9972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

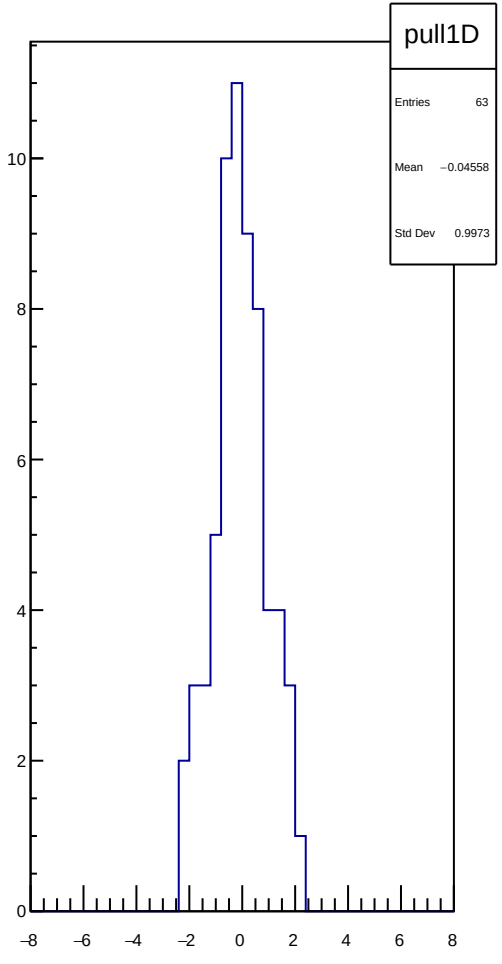

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 5.42e+04 / 62
p0 654.4 ± 0.6085
1000
900
800
700
600
500
400

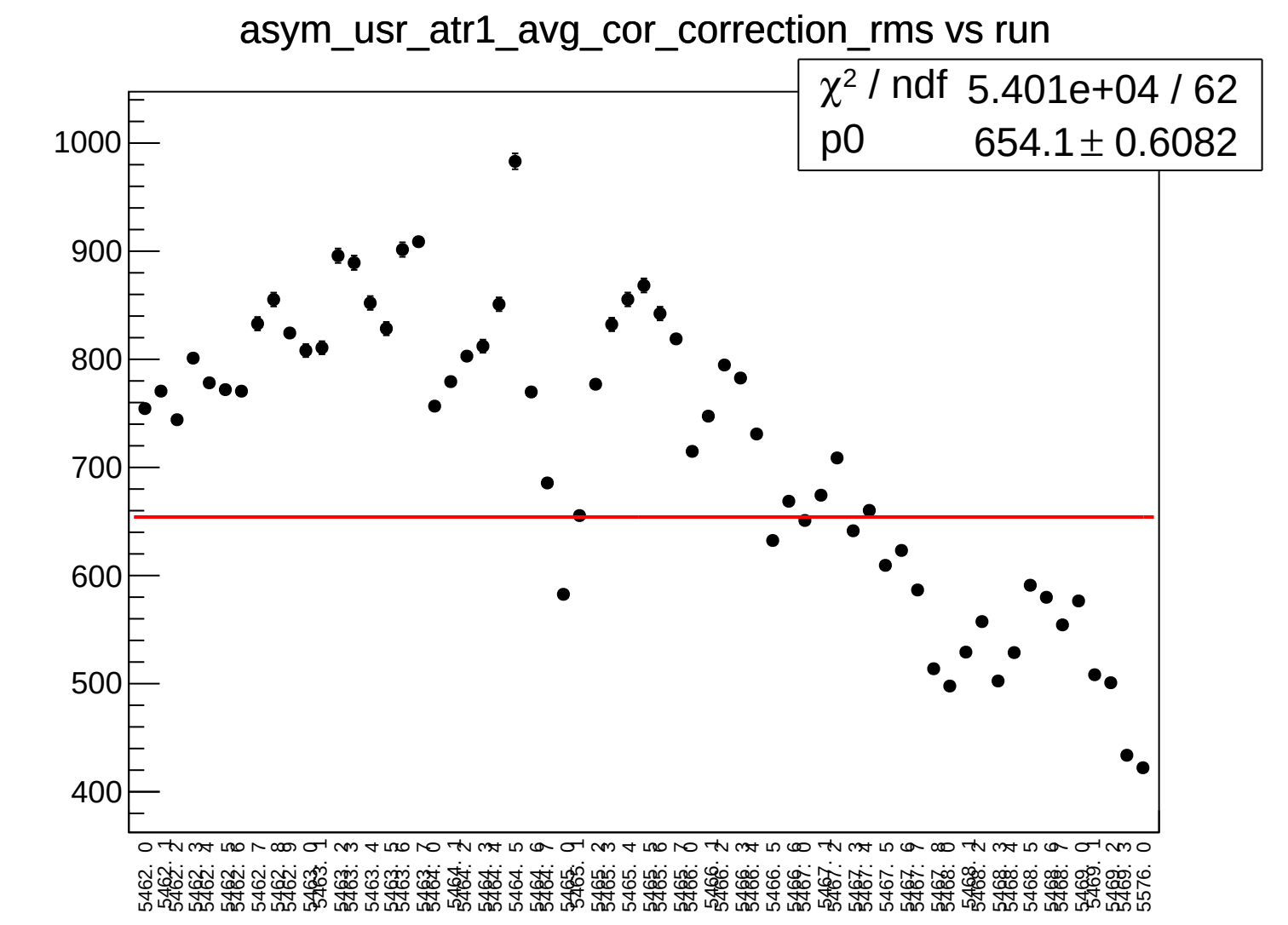

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 63.51 / 62
p0 −549.9 ± 2041
pull
Entries 63
Mean 81.43
Std Dev 0

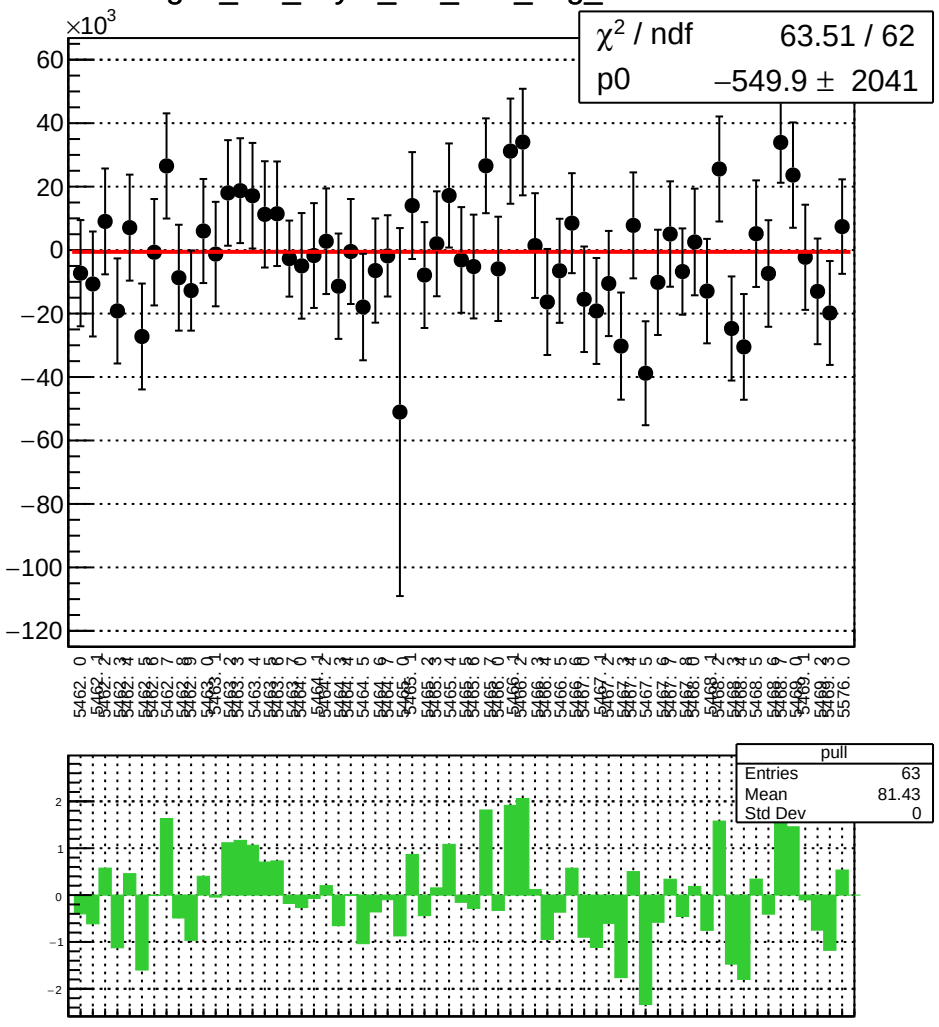

pull1D
Entries 63
Mean −0.01924
Std Dev 1.004

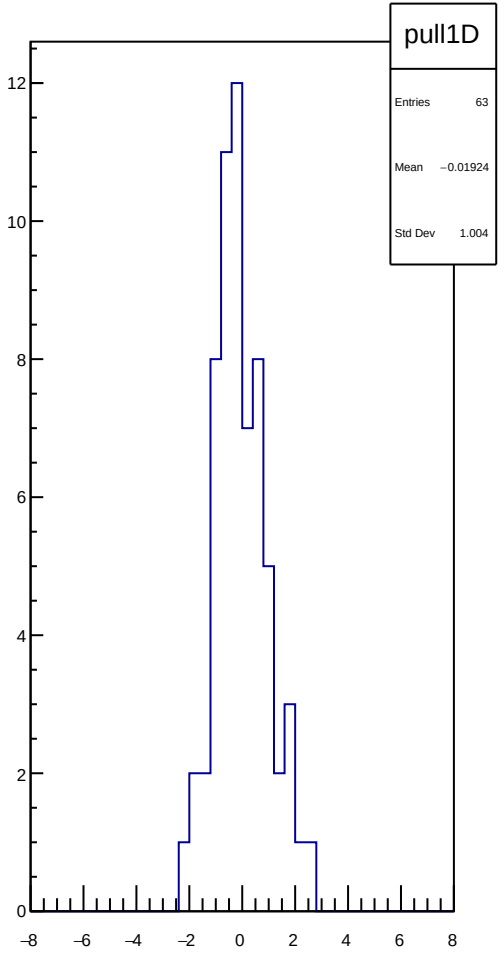

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 9245 / 62
p0 1582 ± 1.443
5500
5000
4500
4000
3500
3000
2500
2000
1500

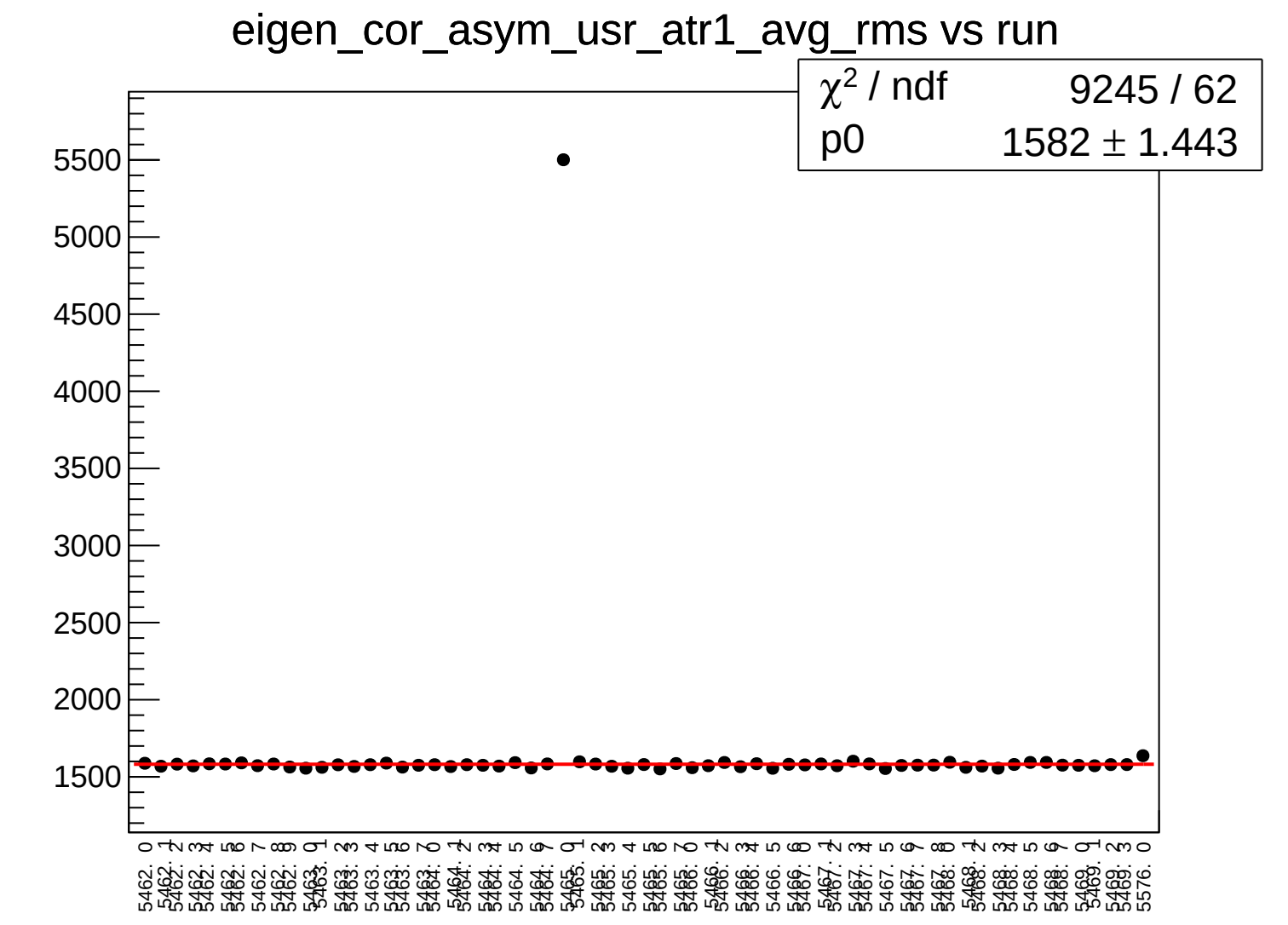

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 62.8 / 62
p0 −309.8 ± 860.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −25.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

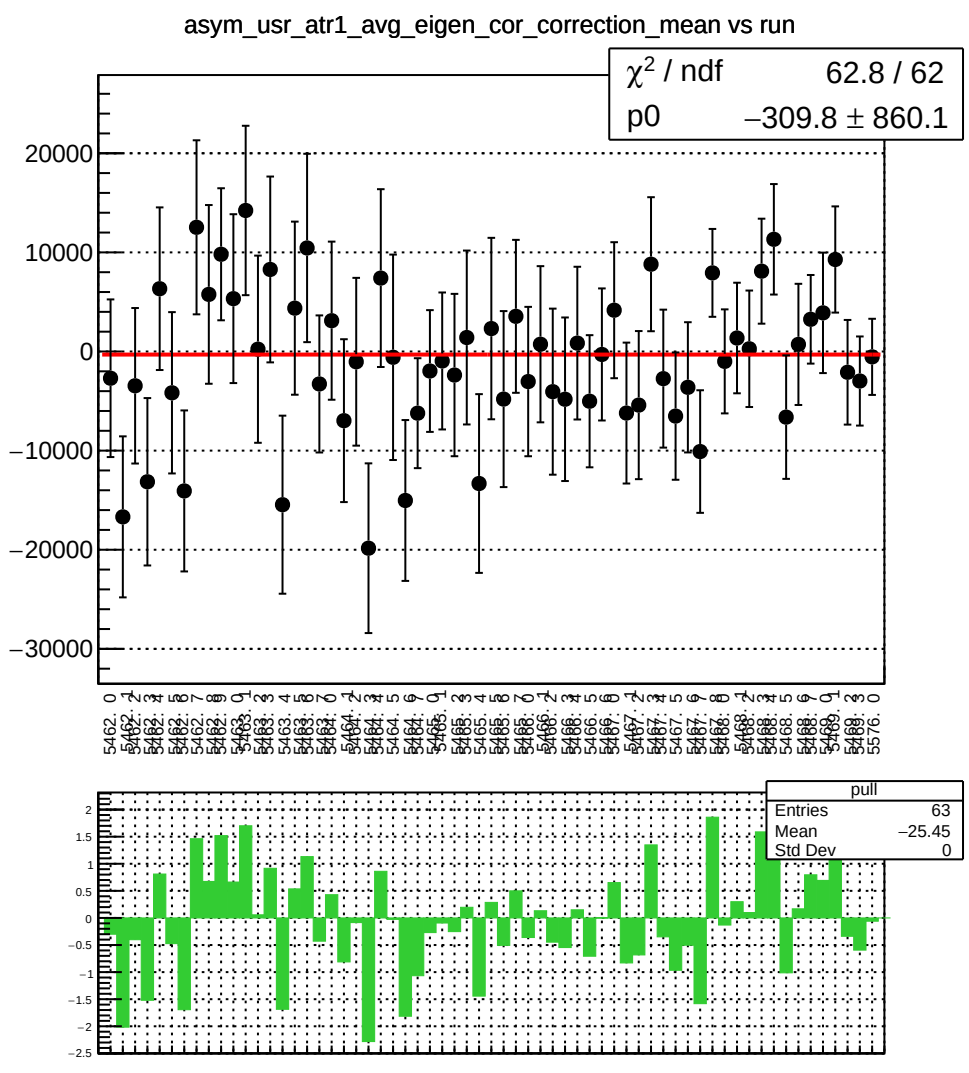

pull1D
Entries 63
Mean −0.04558
Std Dev 0.9973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

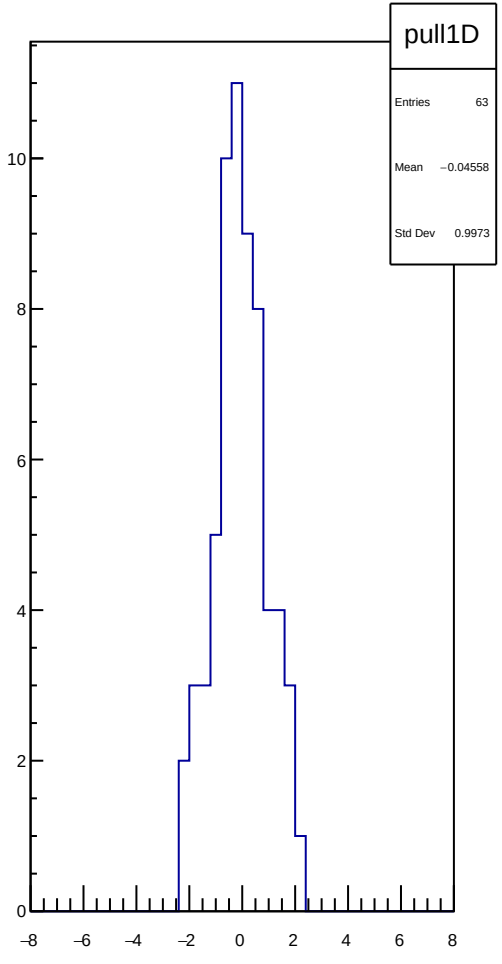

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5.401e+04 / 62
p0 654.1 ± 0.6082
1000
900
800
700
600
500
400

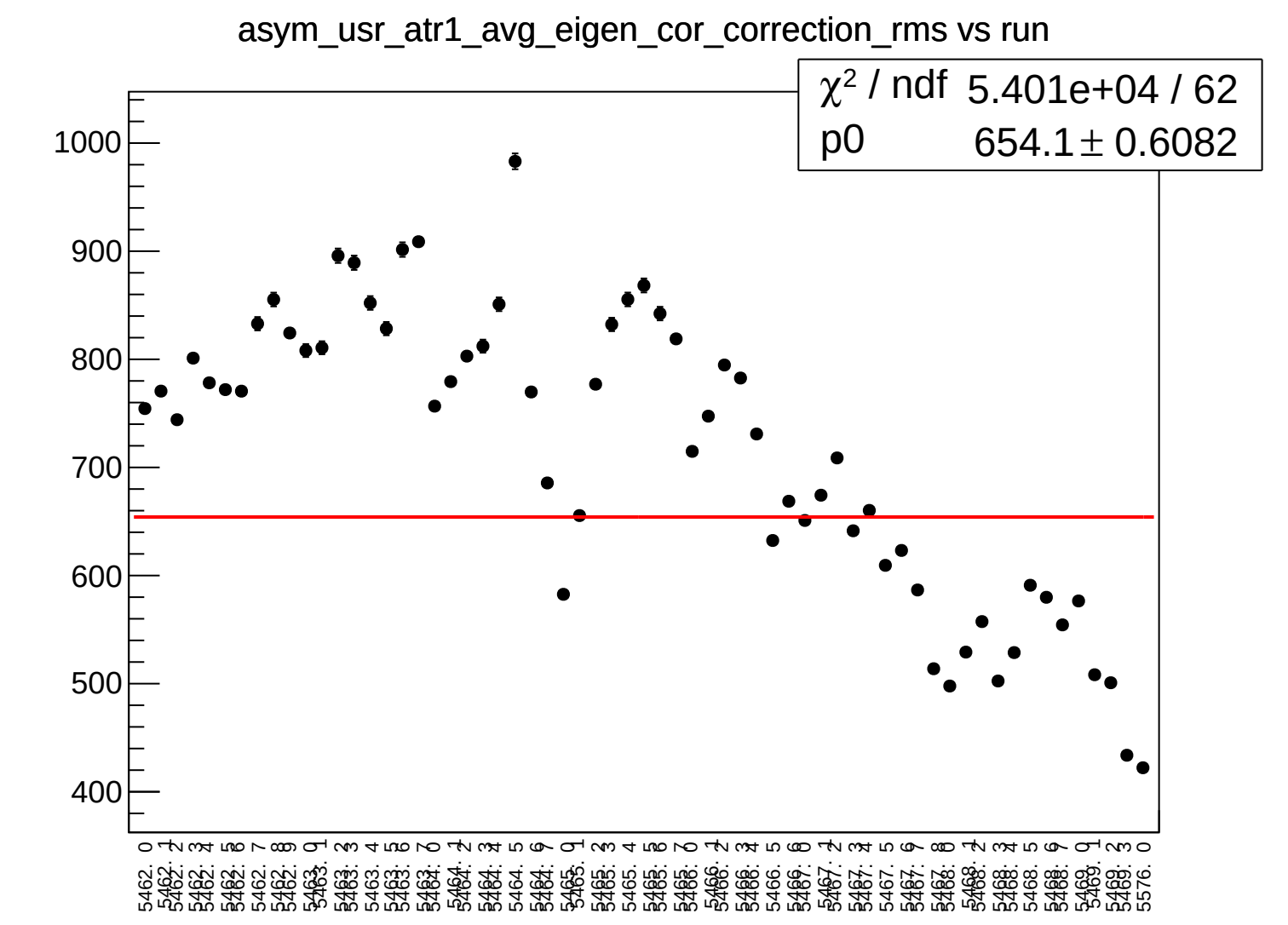

eigen_cor_asym_usr_atr1_avg_mean vs run
×10^3
χ^2 / ndf 63.51 / 62
p0 −549.9 ± 2041
pull
Entries 63
Mean 81.43
Std Dev 0

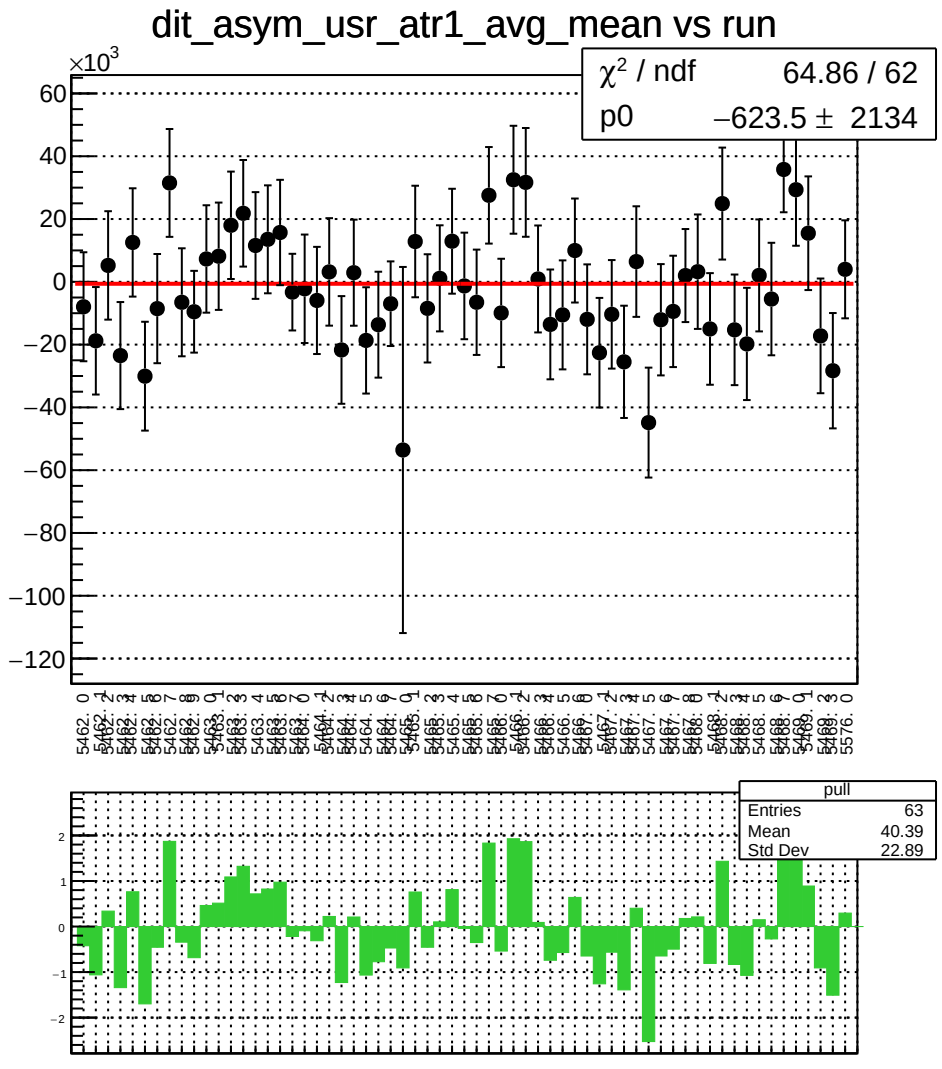

pull1D
Entries 63
Mean −0.01924
Std Dev 1.004

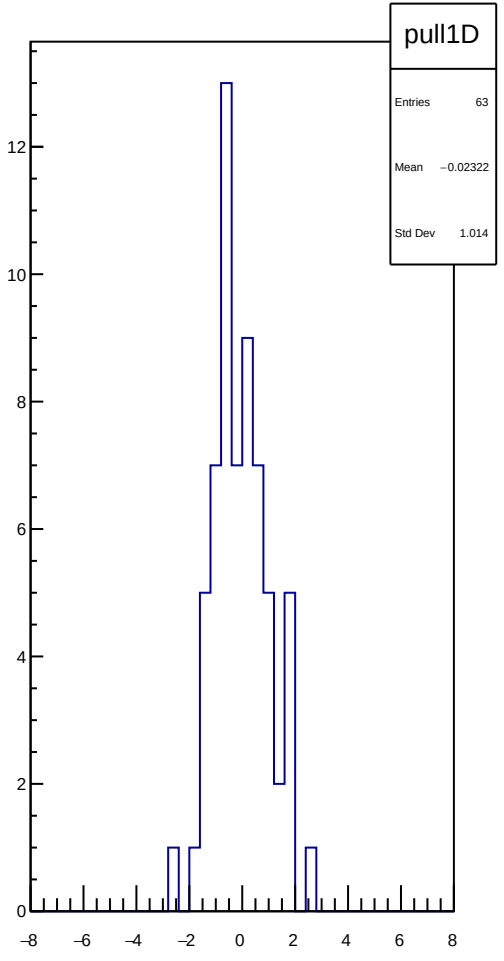

eigen_cor_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 9245 / 62
p0 1582 ± 1.443
5500
5000
4500
4000
3500
3000
2500
2000
1500

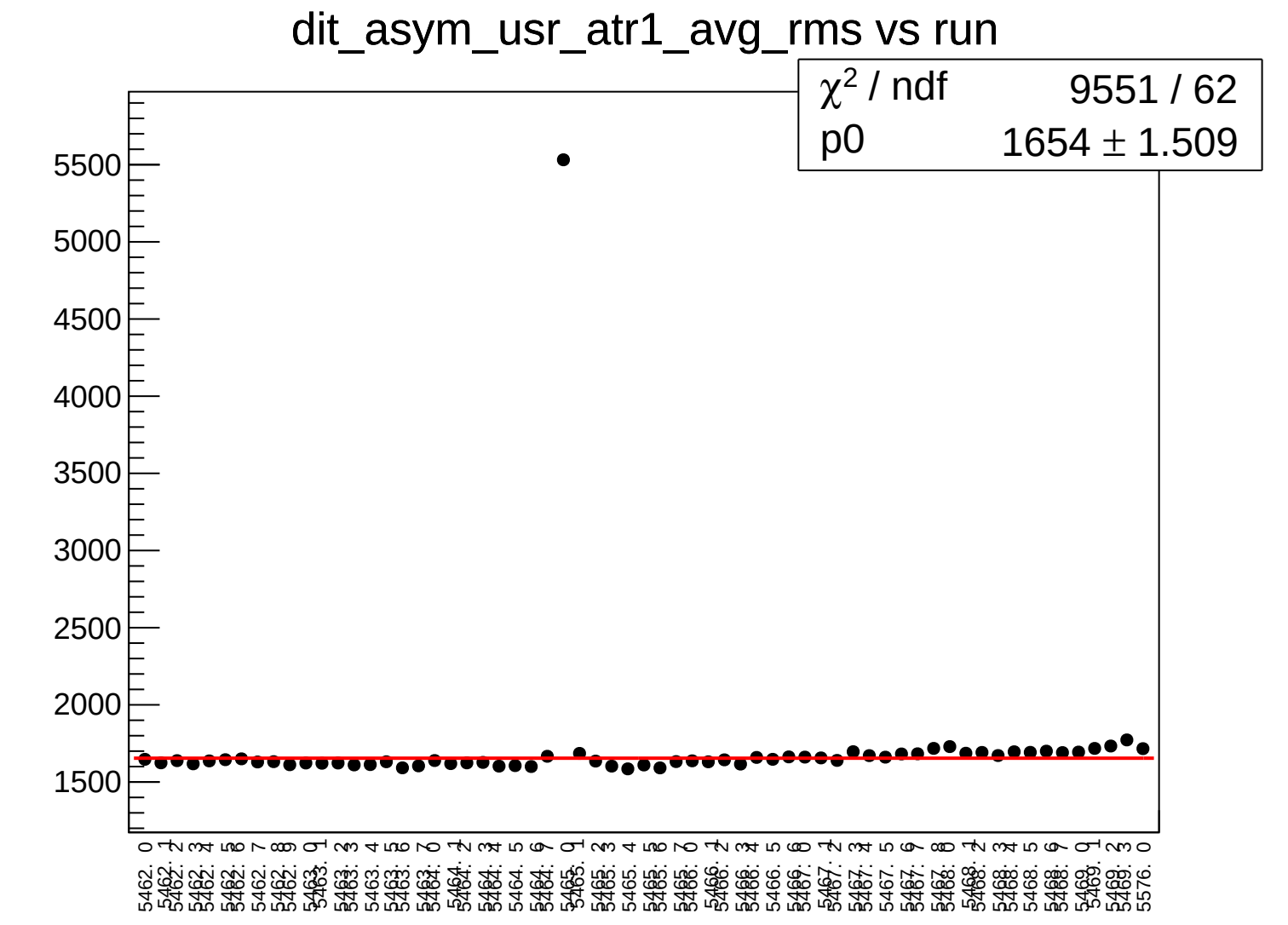

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.8 / 62
p0 −309.8 ± 860.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −25.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

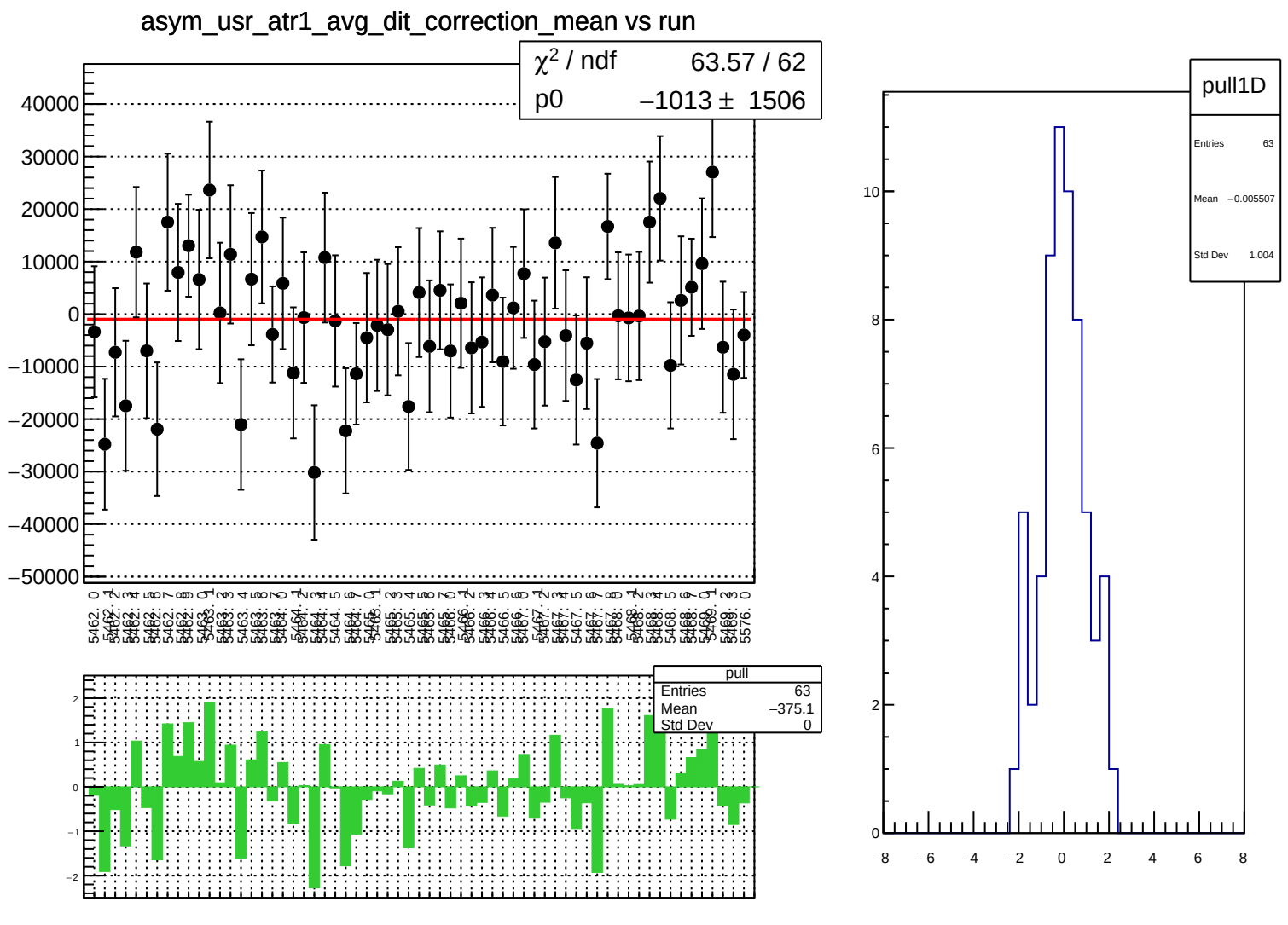

pull1D
Entries 63
Mean −0.04558
Std Dev 0.9973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

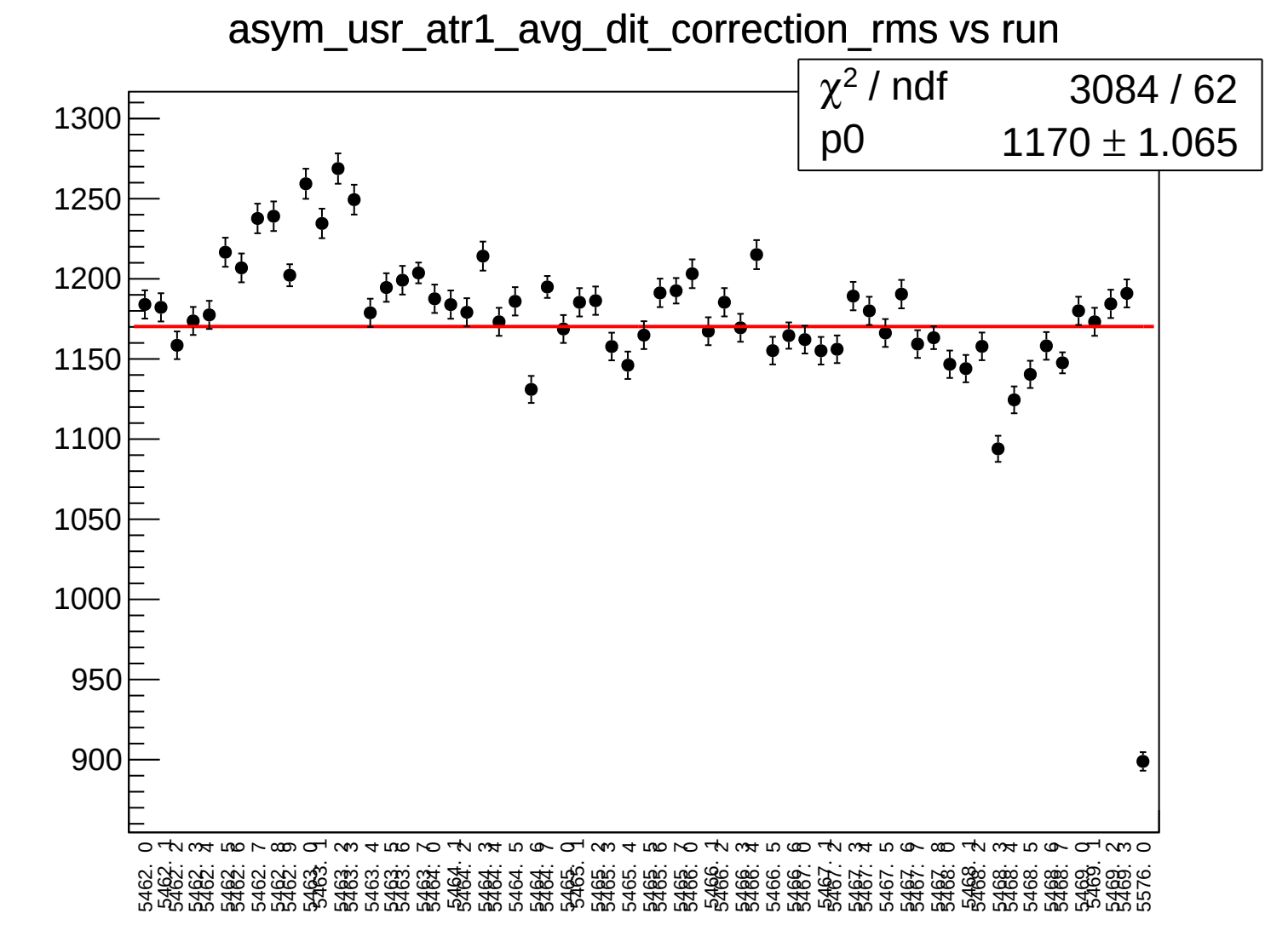

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.401e+04 / 62
p0 654.1 ± 0.6082
1000
900
800
700
600
500
400

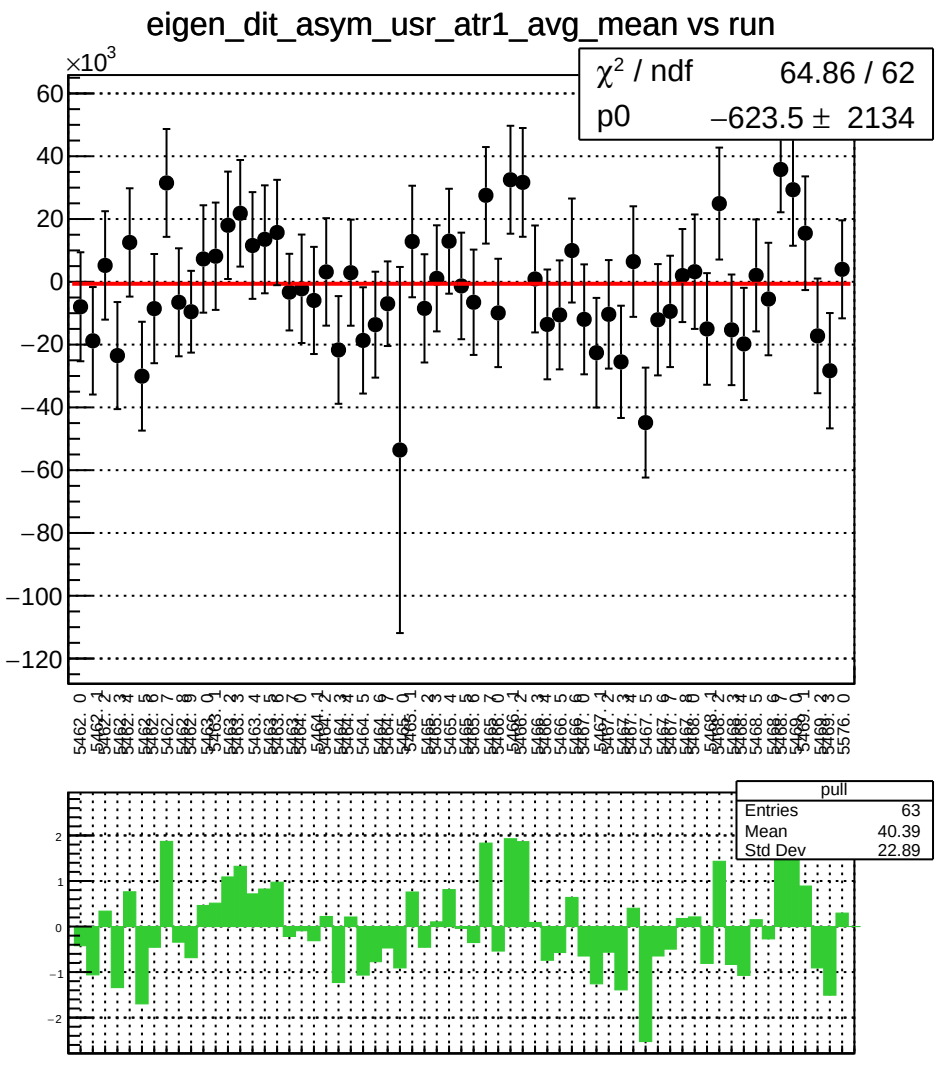

dit_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 64.86 / 62
p0 −623.5 ± 2134
pull
Entries 63
Mean 40.39
Std Dev 22.89

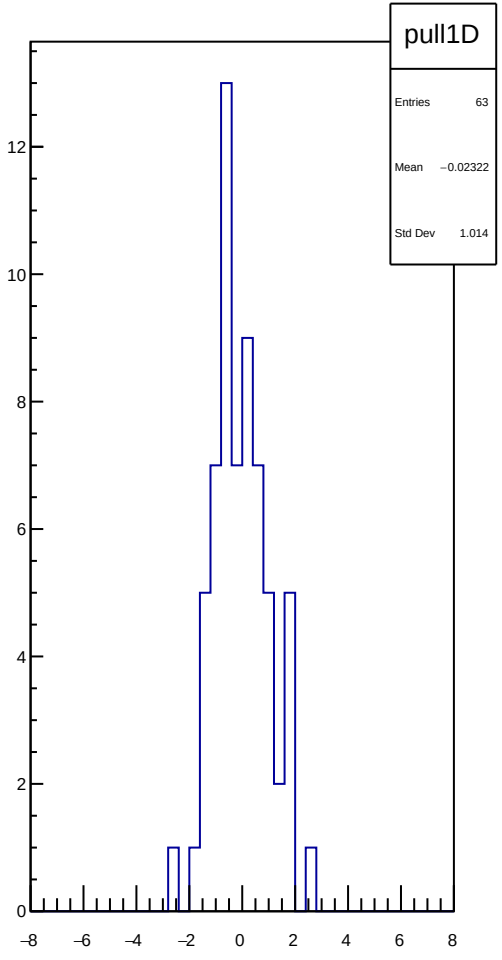

pull1D
Entries 63
Mean −0.02322
Std Dev 1.014

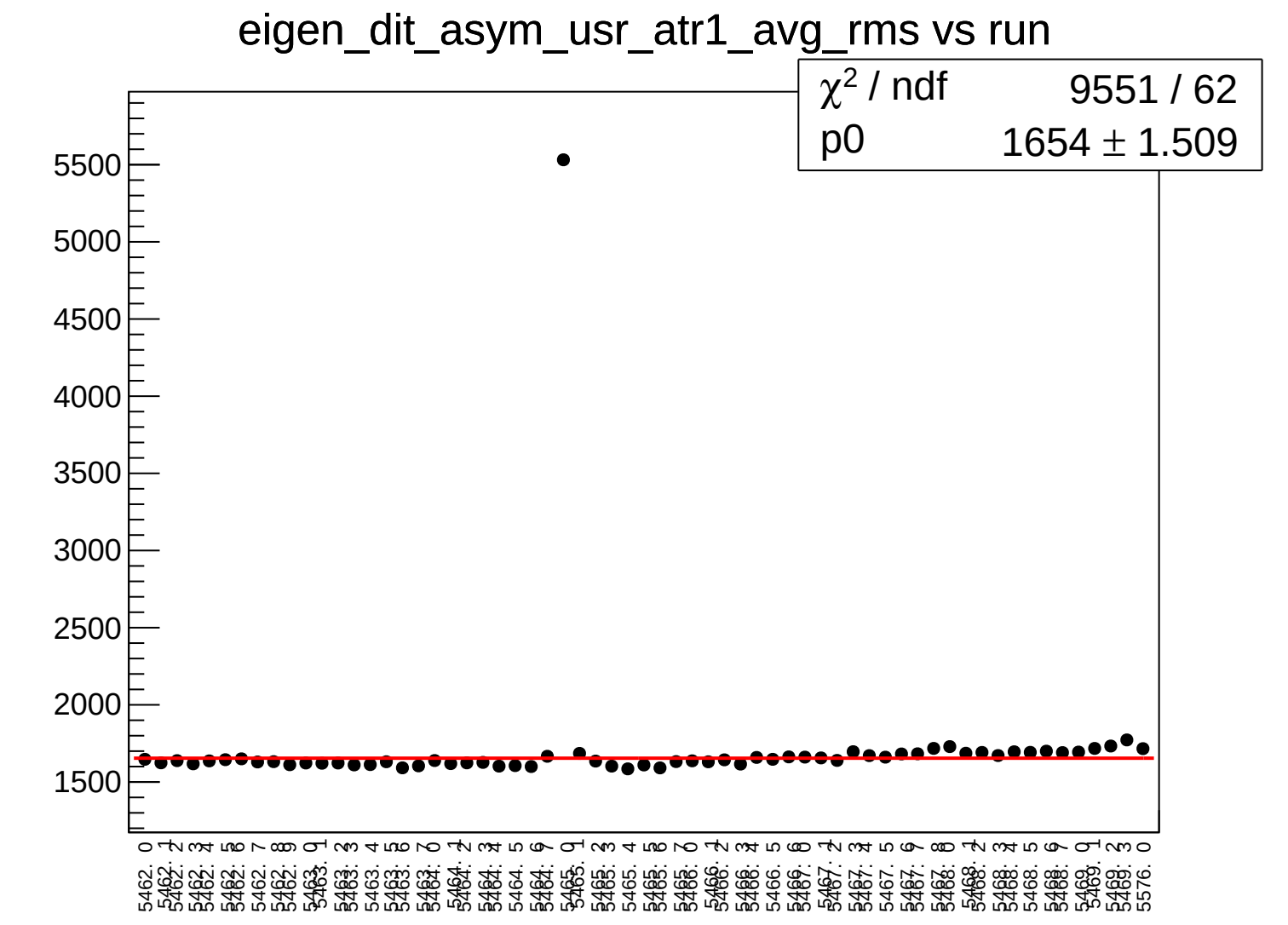

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 9551 / 62
p0 1654 ± 1.509
5500
5000
4500
4000
3500
3000
2500
2000
1500

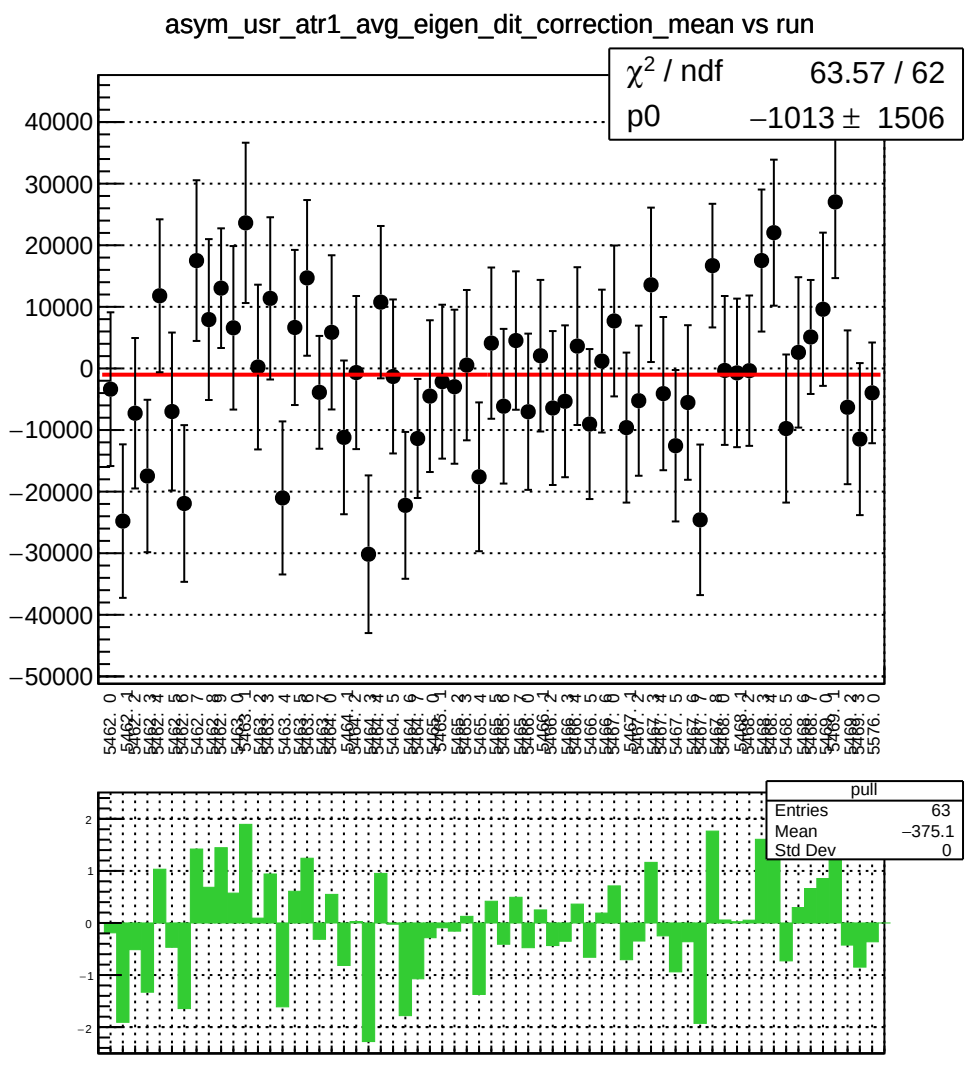

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 63.57 / 62
p0 −1013 ± 1506
pull
Entries 63
Mean −375.1
Std Dev 0
pull1D
Entries 63
Mean −0.005507
Std Dev 1.004

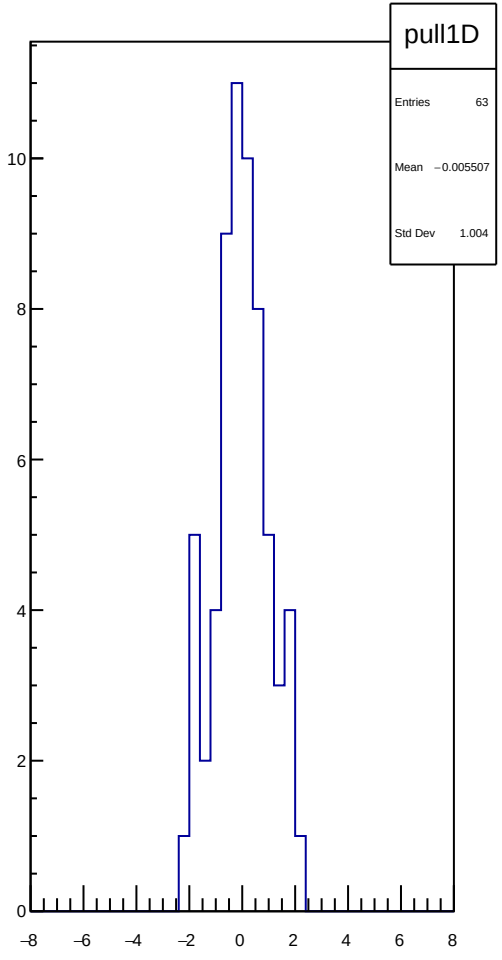

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3084 / 62
p0 1170 ± 1.065
1300
1250
1200
1150
1100
1050
1000
950
900

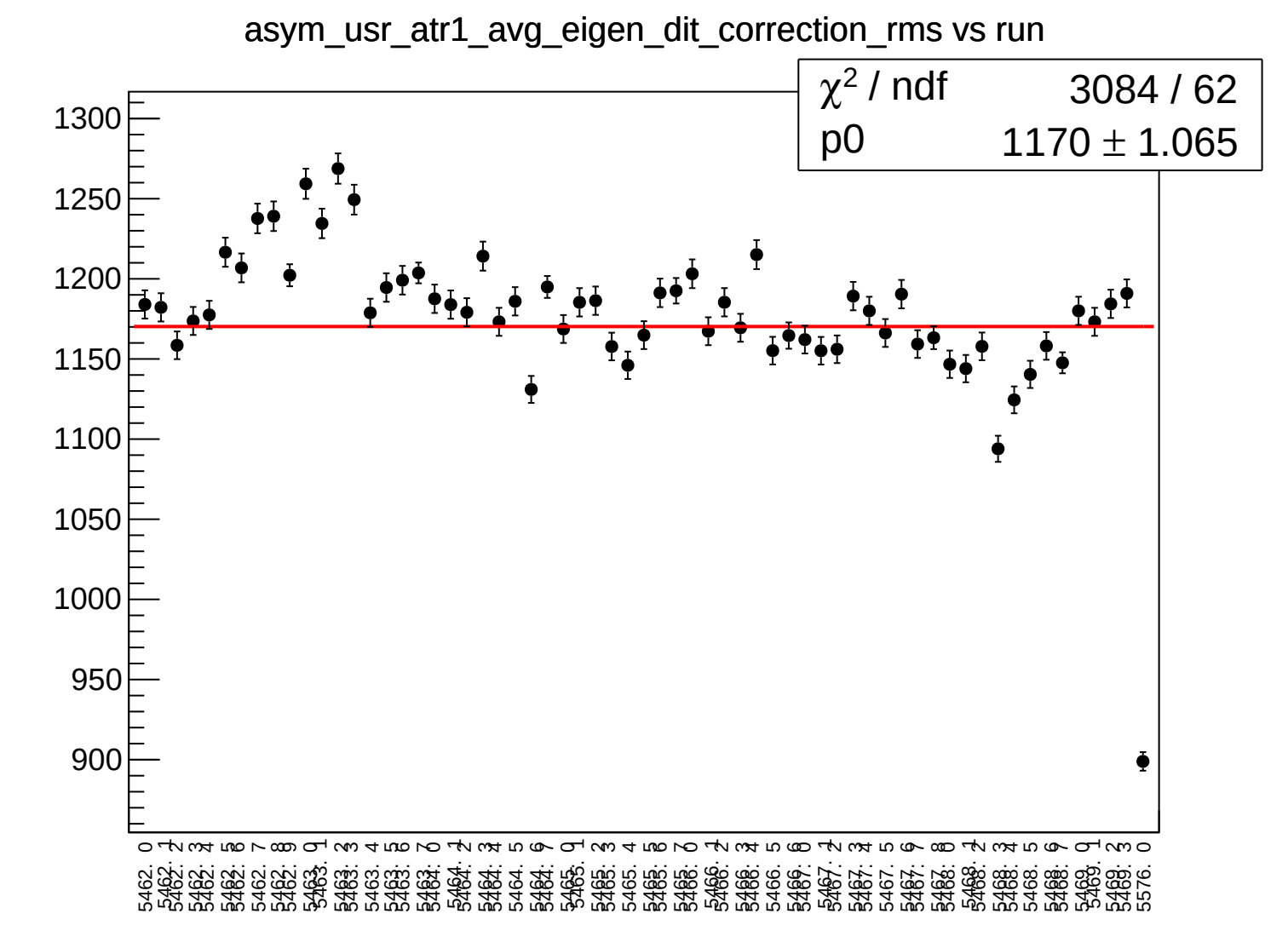

eigen_dit_asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 64.86 / 62
p0 −623.5 ± 2134
pull
Entries 63
Mean 40.39
Std Dev 22.89

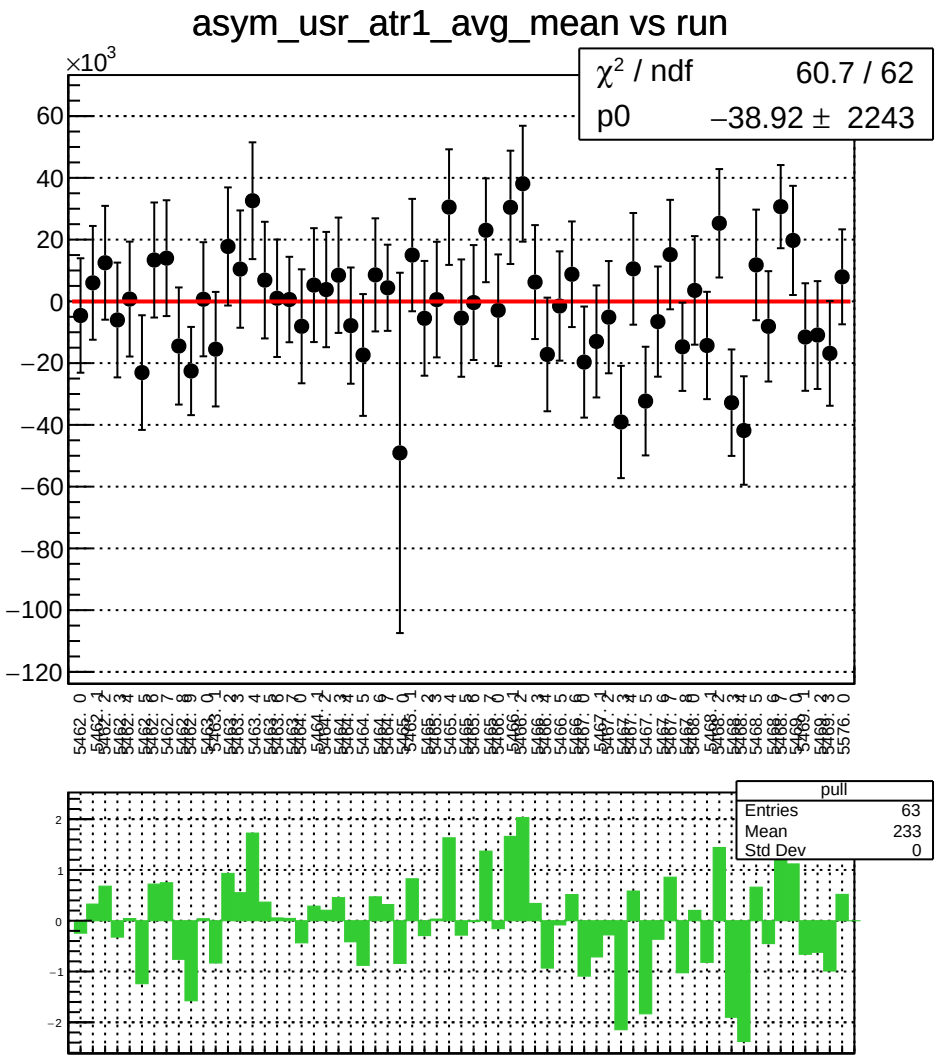

pull1D
Entries 63
Mean −0.02322
Std Dev 1.014

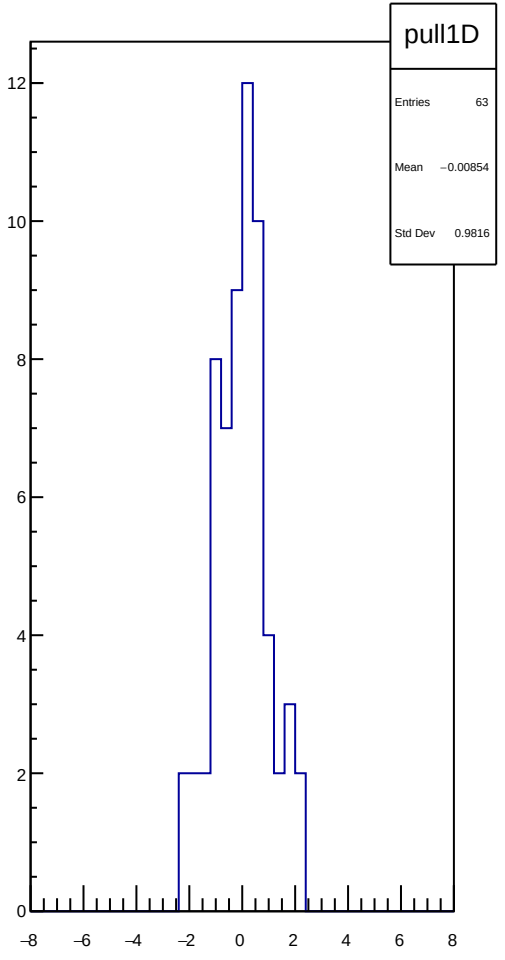

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 9551 / 62
p0 1654 ± 1.509
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

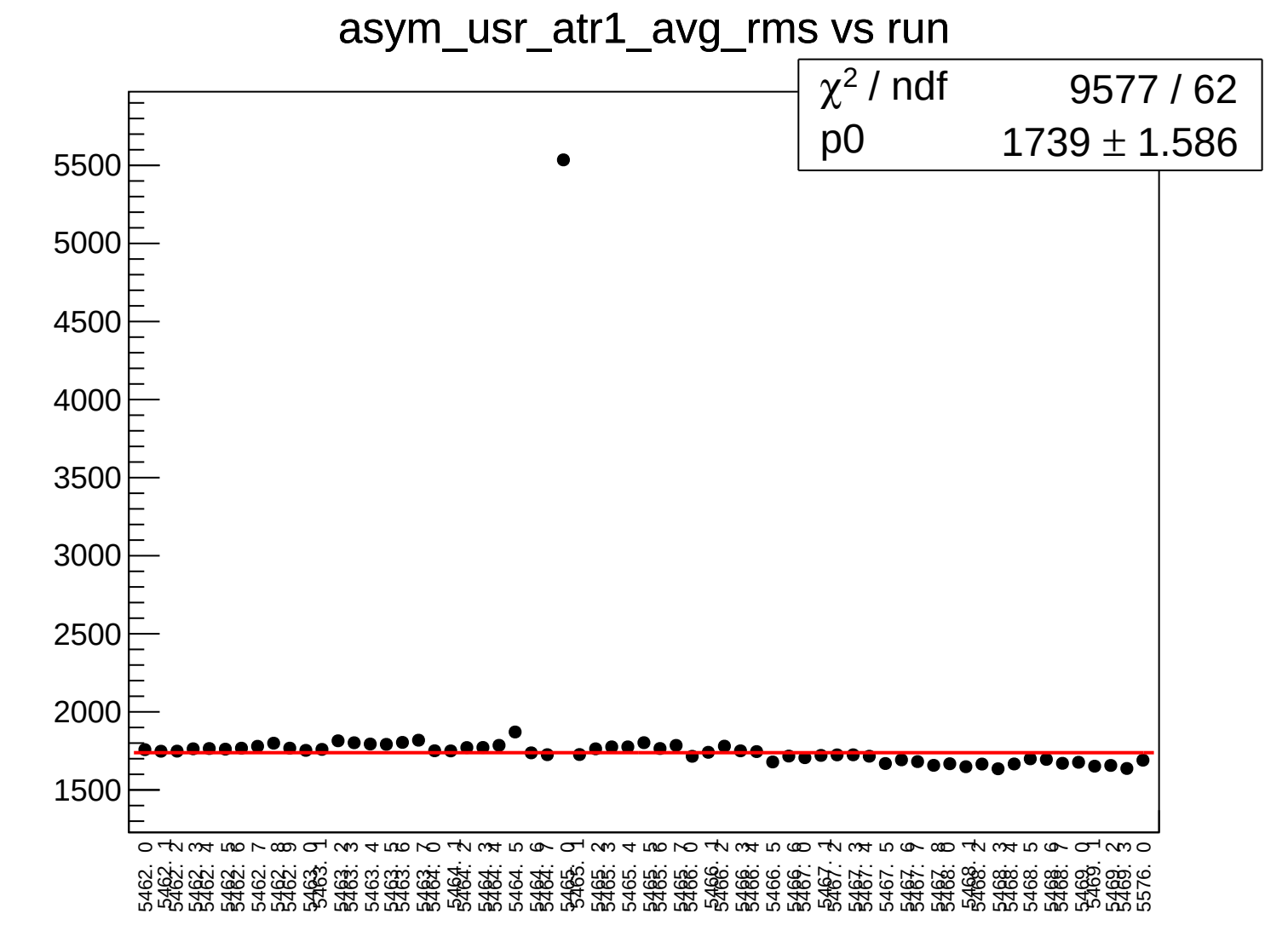

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.57 / 62
p0 −1013 ± 1506
pull
Entries 63
Mean −375.1
Std Dev 0

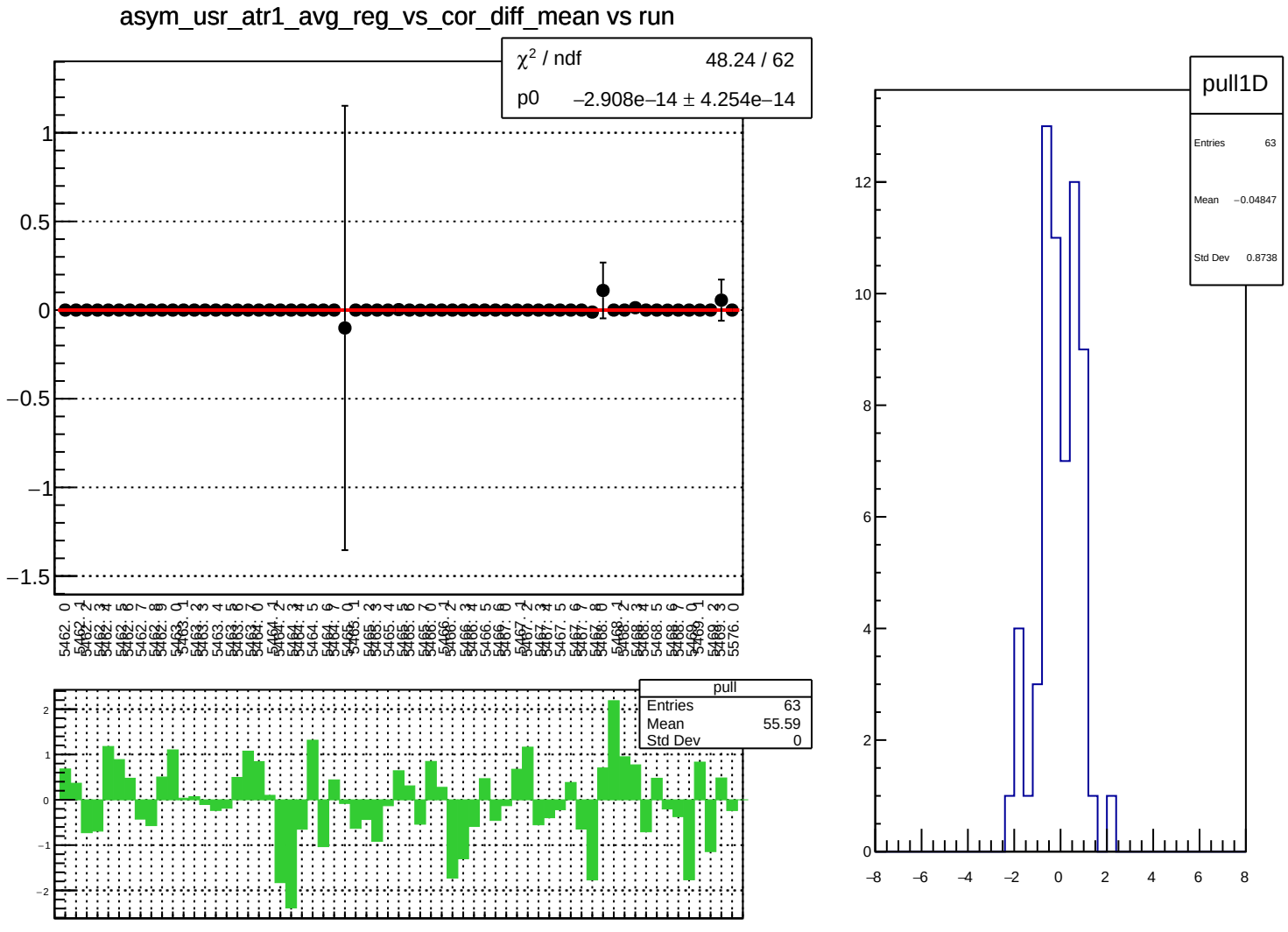

pull1D
Entries 63
Mean −0.005507
Std Dev 1.004

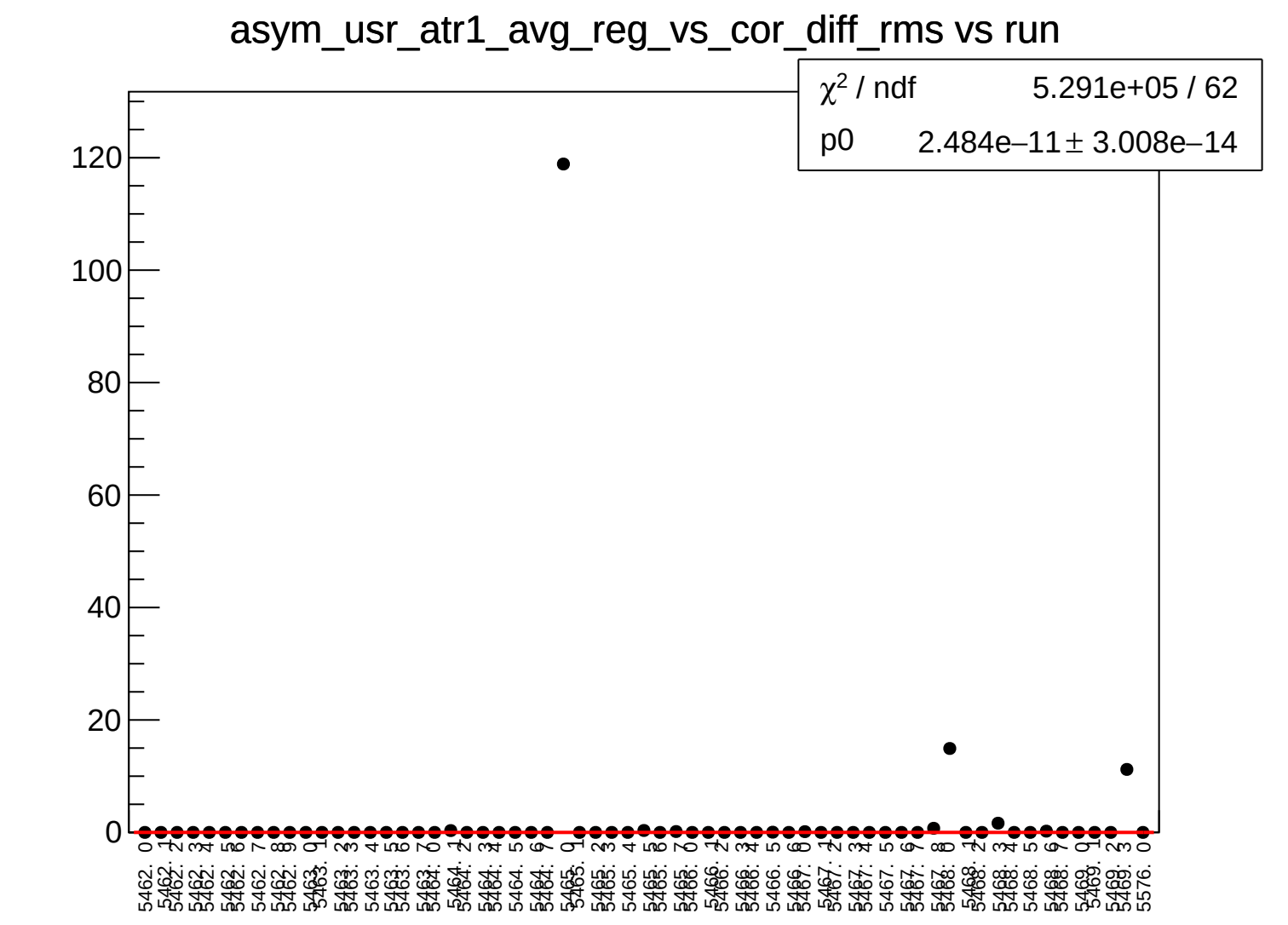

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3084 / 62
p0 1170 ± 1.065
1300
1250
1200
1150
1100
1050
1000
950
900

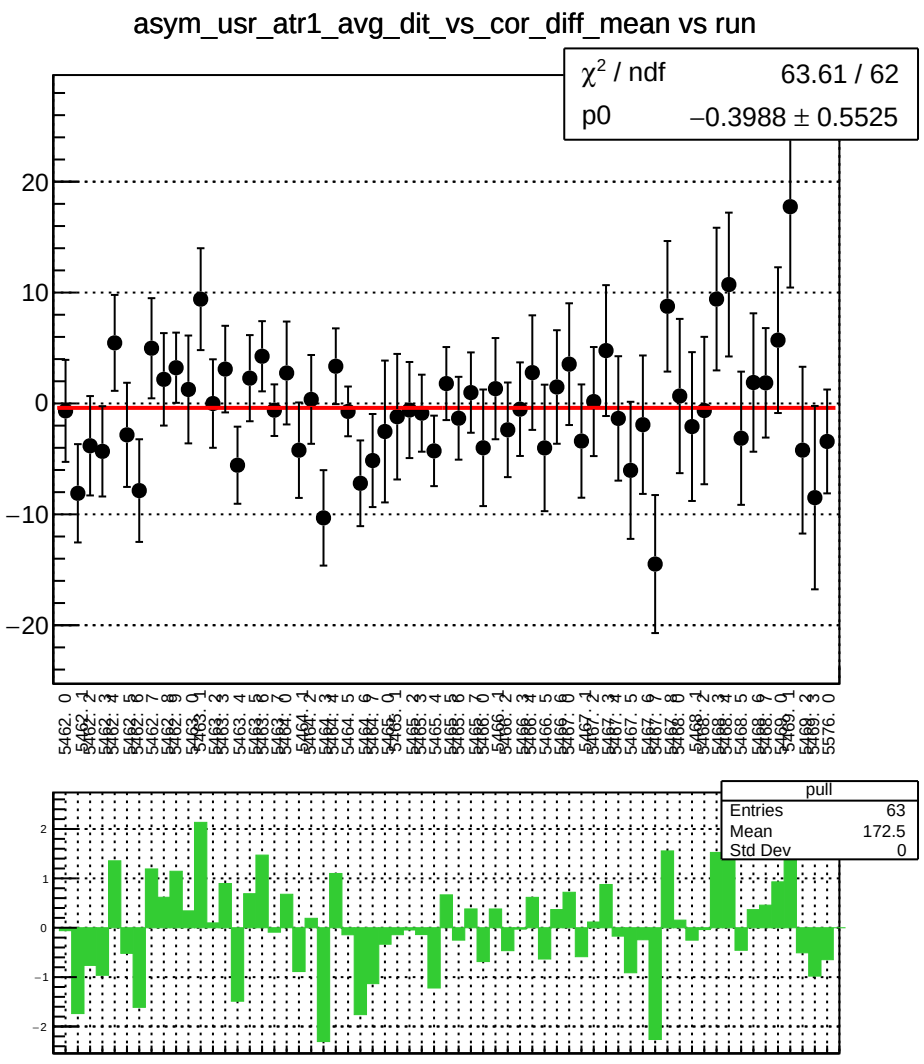

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 60.7 / 62
p0 −38.92 ± 2243
pull
Entries 63
Mean 233
Std Dev 0

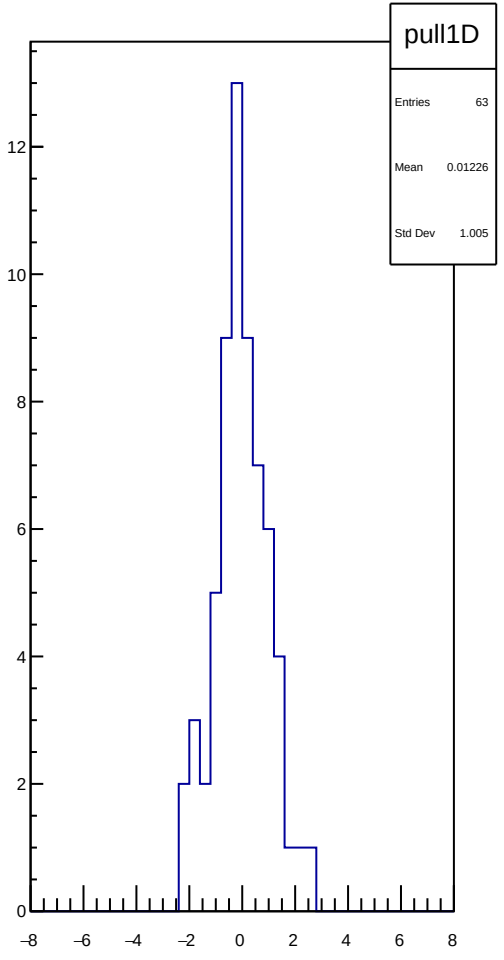

pull1D
Entries 63
Mean −0.00854
Std Dev 0.9816

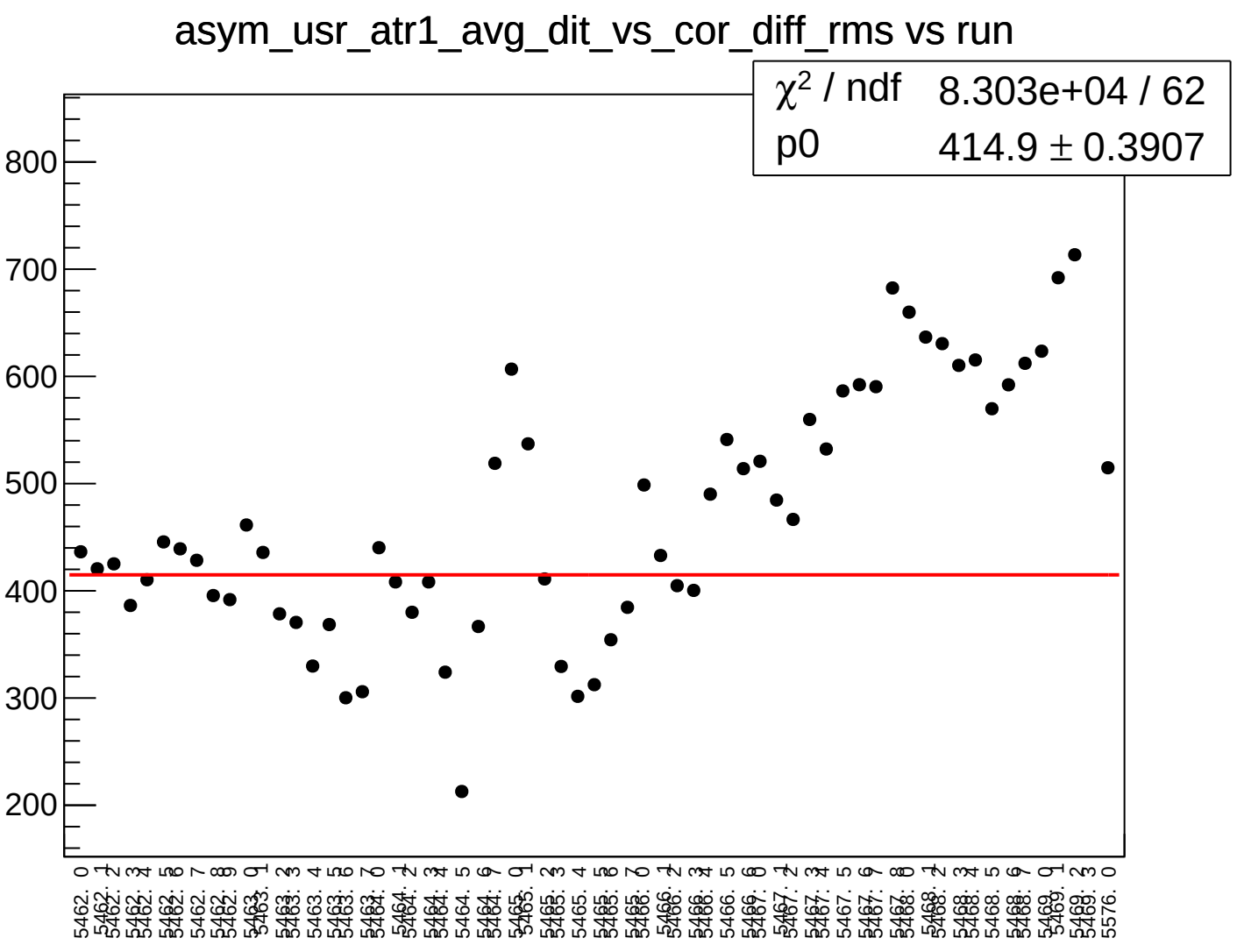

asym_usr_atr1_avg_rms vs run
χ^2 / ndf 9577 / 62
p0 1739 ± 1.586
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.24 / 62
p0 −2.908e−14 ± 4.254e−14
pull
Entries 63
Mean 55.59
Std Dev 0
pull1D
Entries 63
Mean −0.04847
Std Dev 0.8738


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.291e+05 / 62
p0 2.484e−11 ± 3.008e−14
120
100
80
60
40
20
0


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.61 / 62
p0 −0.3988 ± 0.5525
pull
Entries 63
Mean 172.5
Std Dev 0


pull1D
Entries 63
Mean 0.01226
Std Dev 1.005


asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.303e+04 / 62
p0 414.9 ± 0.3907
800
700
600
500
400
300
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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5465. 2
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5465. 5
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5465. 7
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5466. 5
5466. 6
5467. 1
5467. 2
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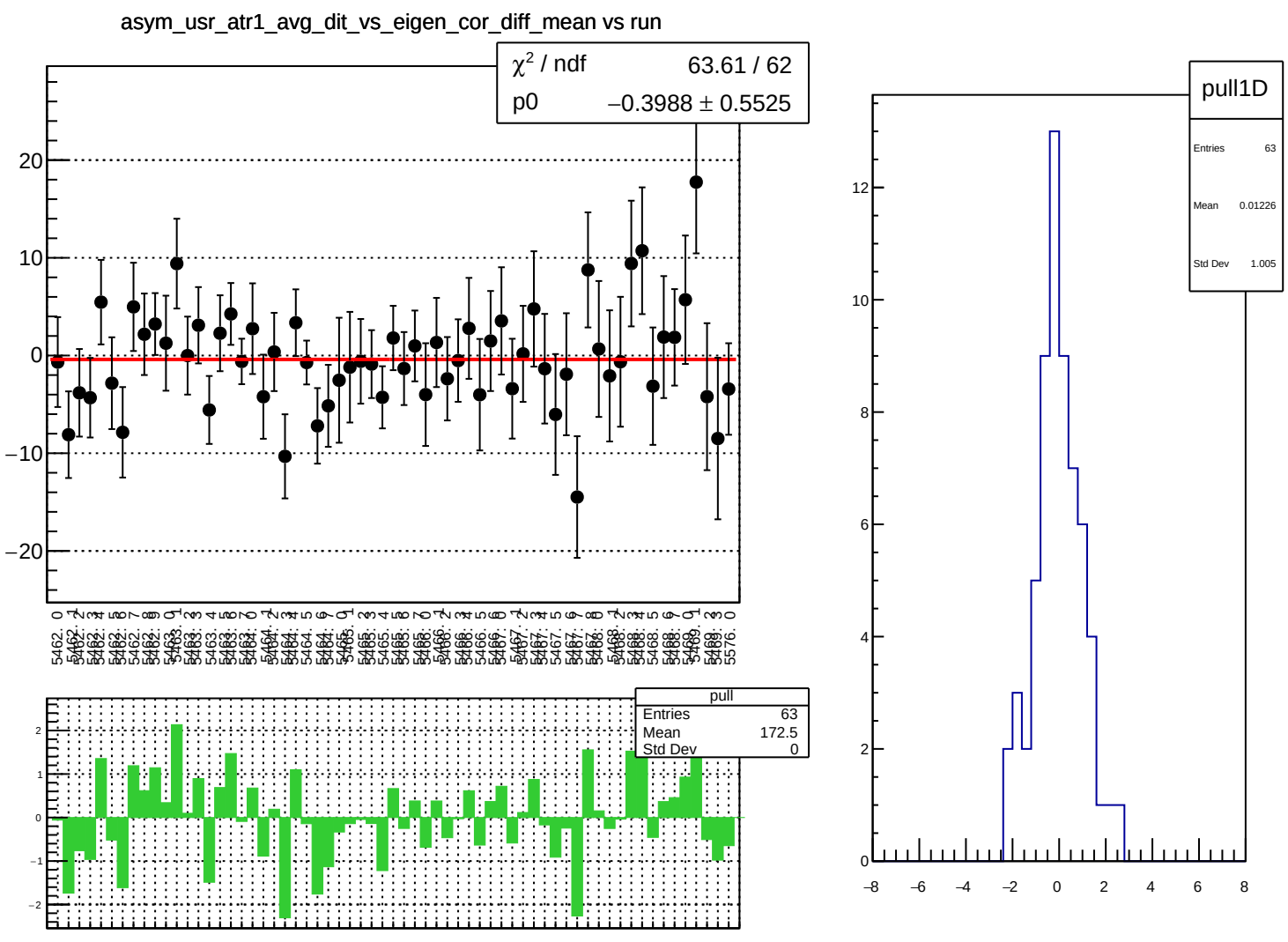
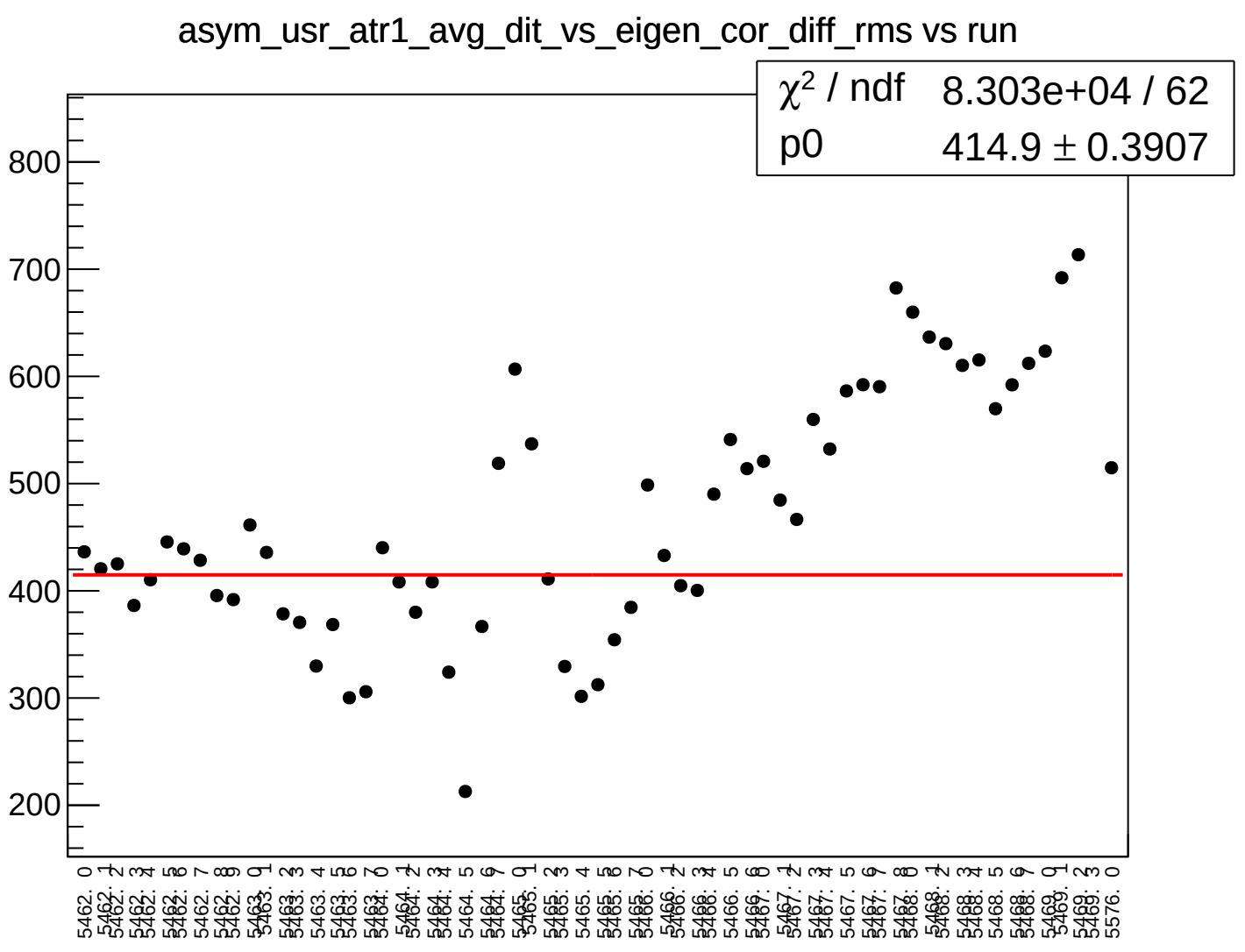
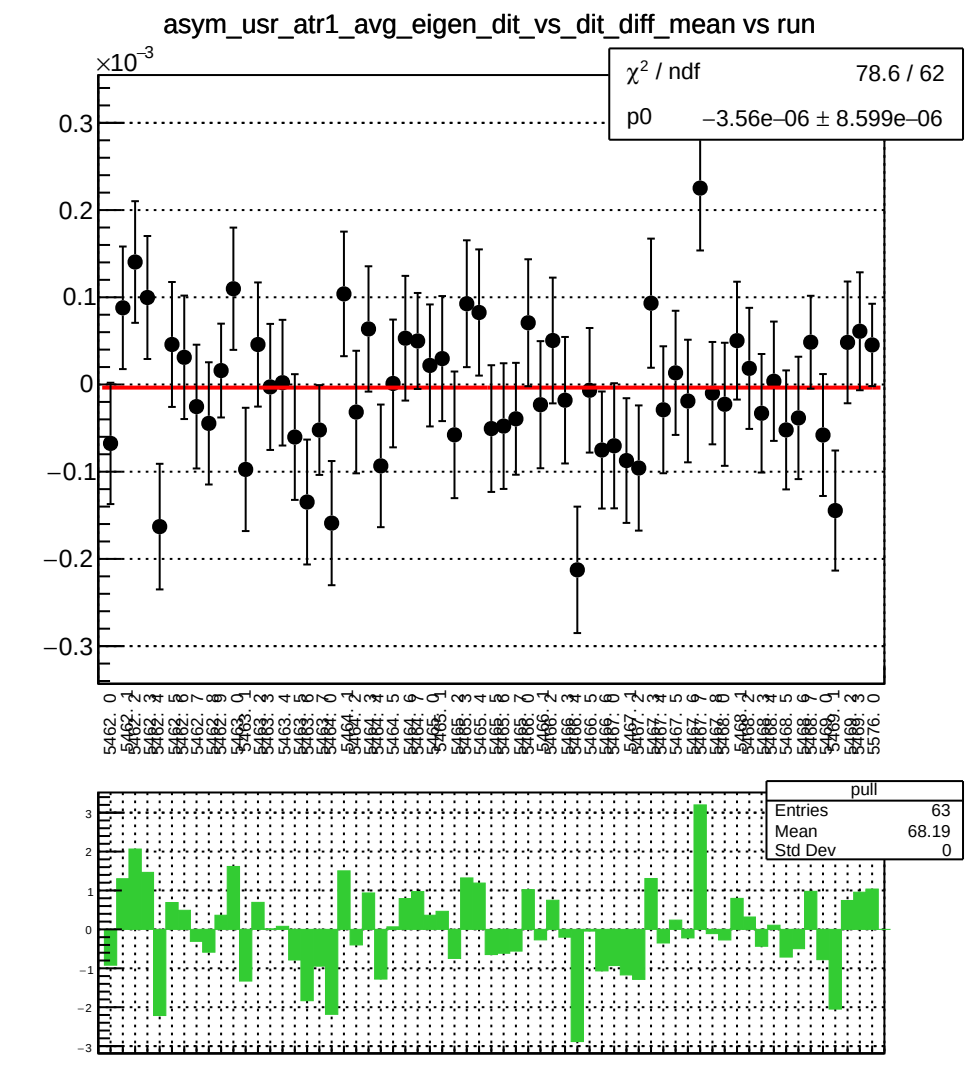
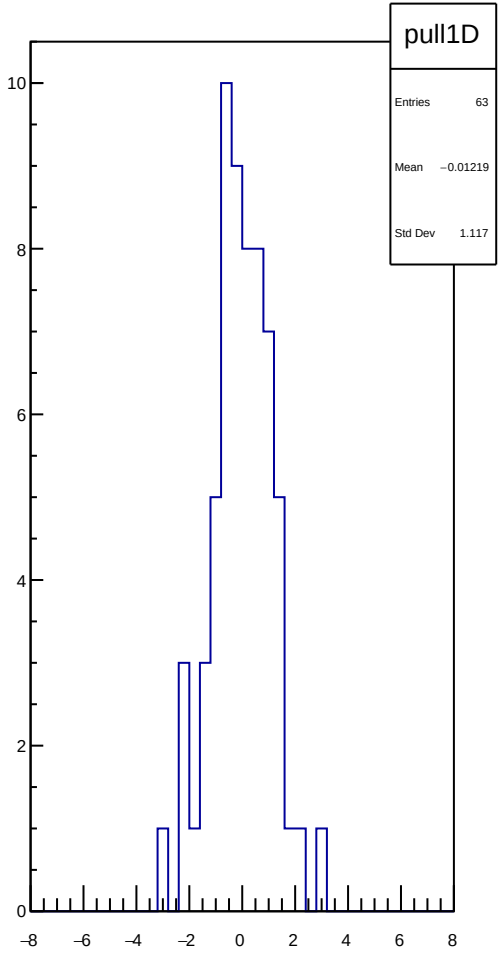
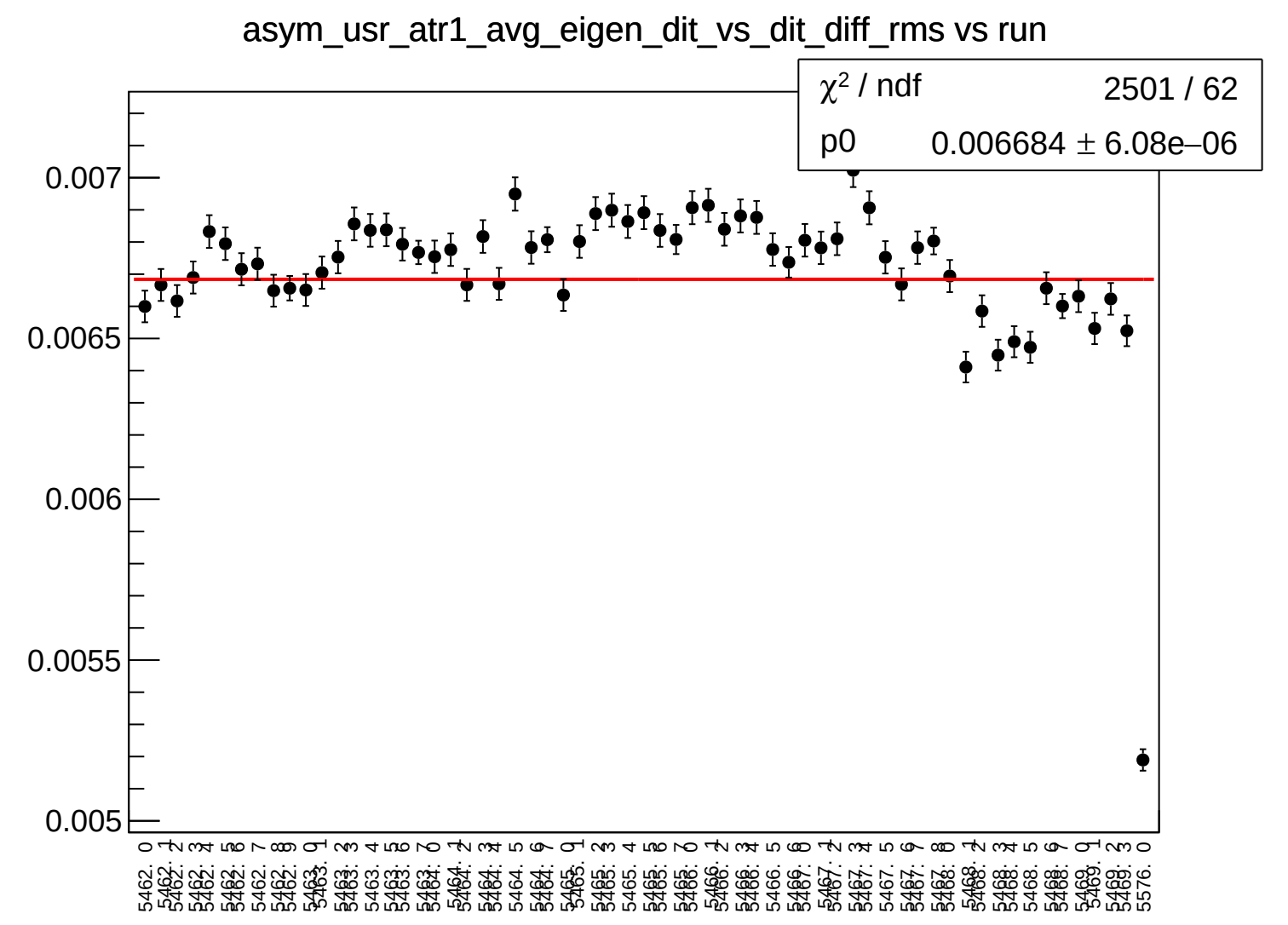
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

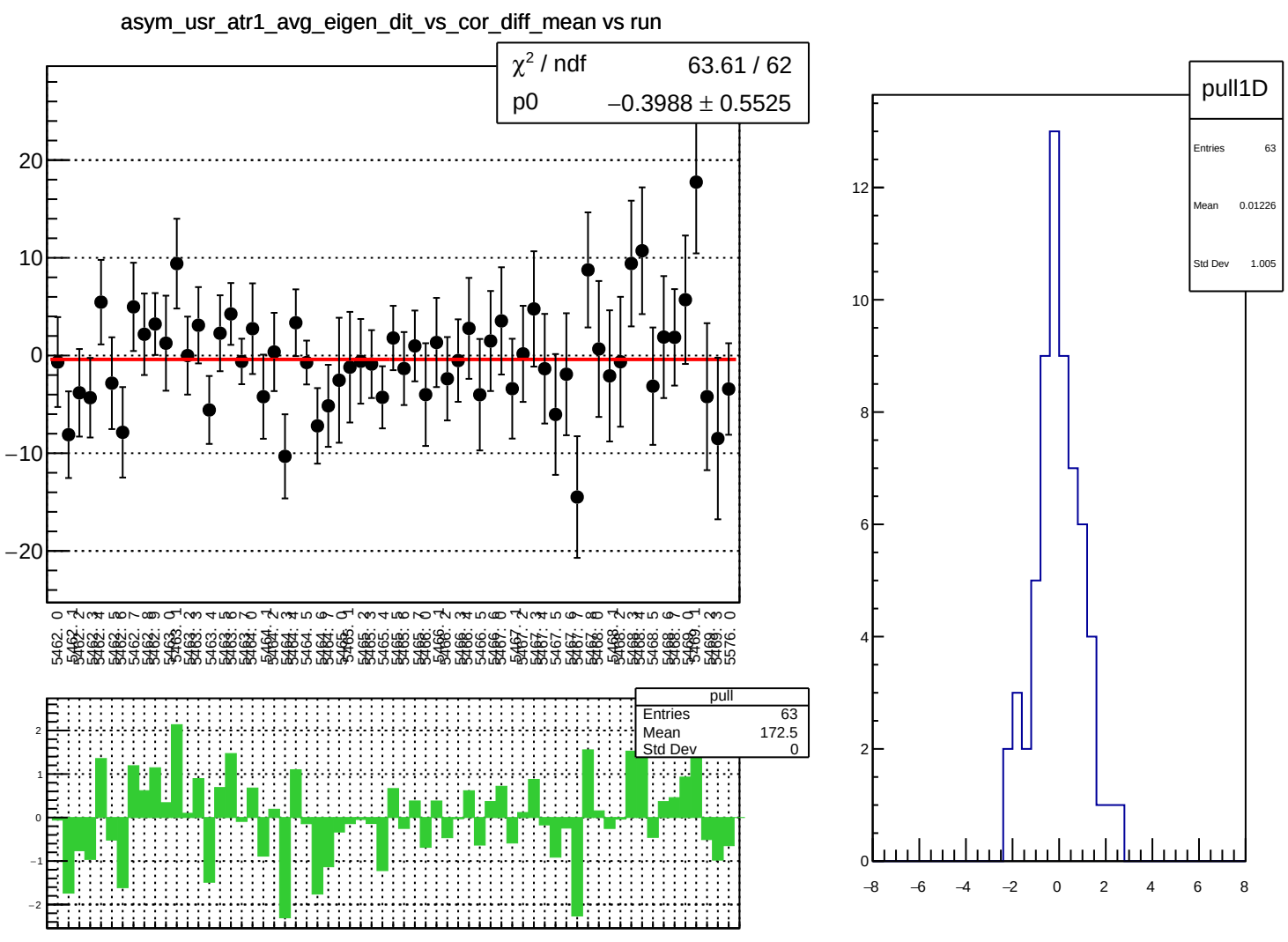

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.61 / 62
p0 −0.3988 ± 0.5525
pull
Entries 63
Mean 172.5
Std Dev 0
pull1D
Entries 63
Mean 0.01226
Std Dev 1.005

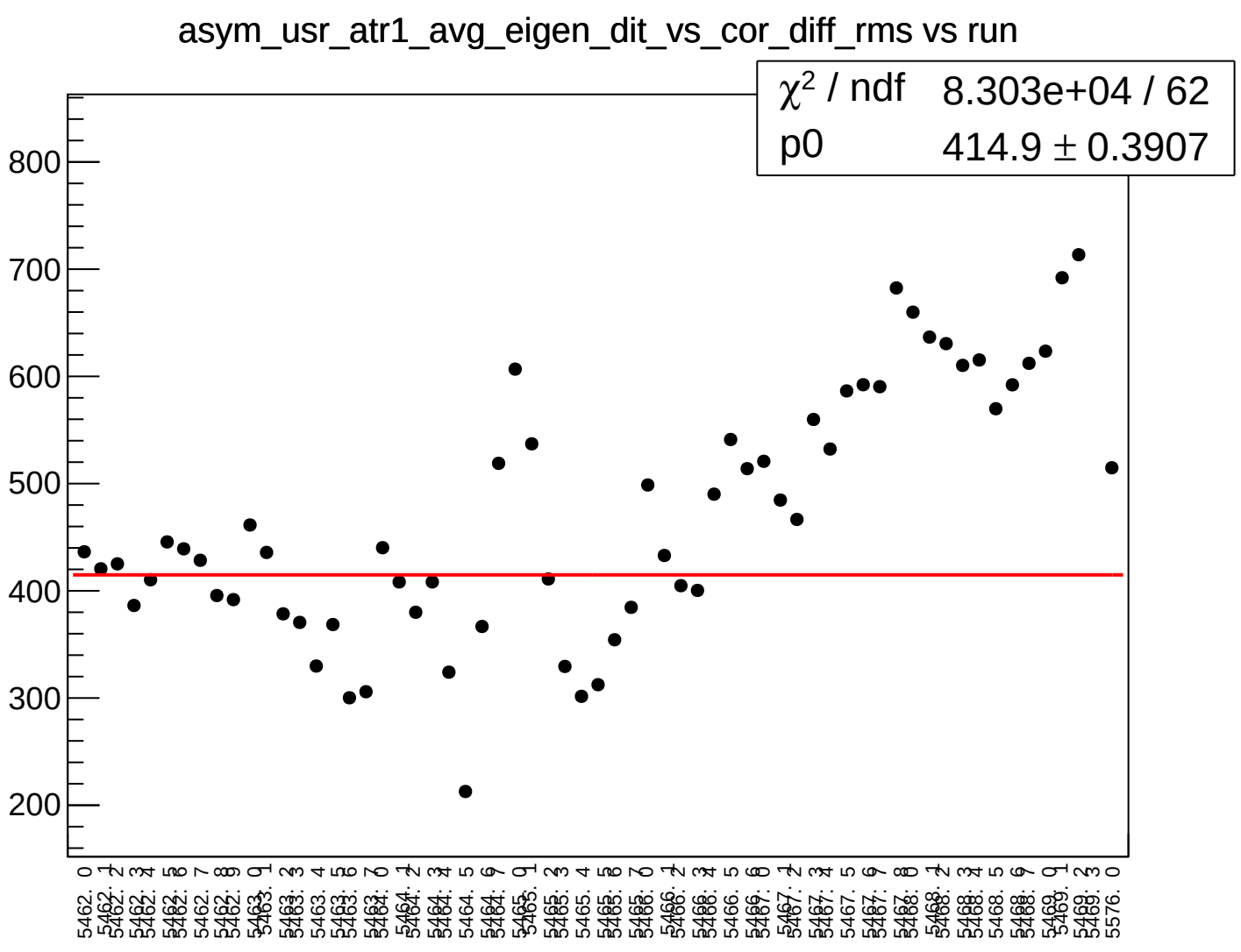

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.303e+04 / 62
p0 414.9 ± 0.3907
800
700
600
500
400
300
200

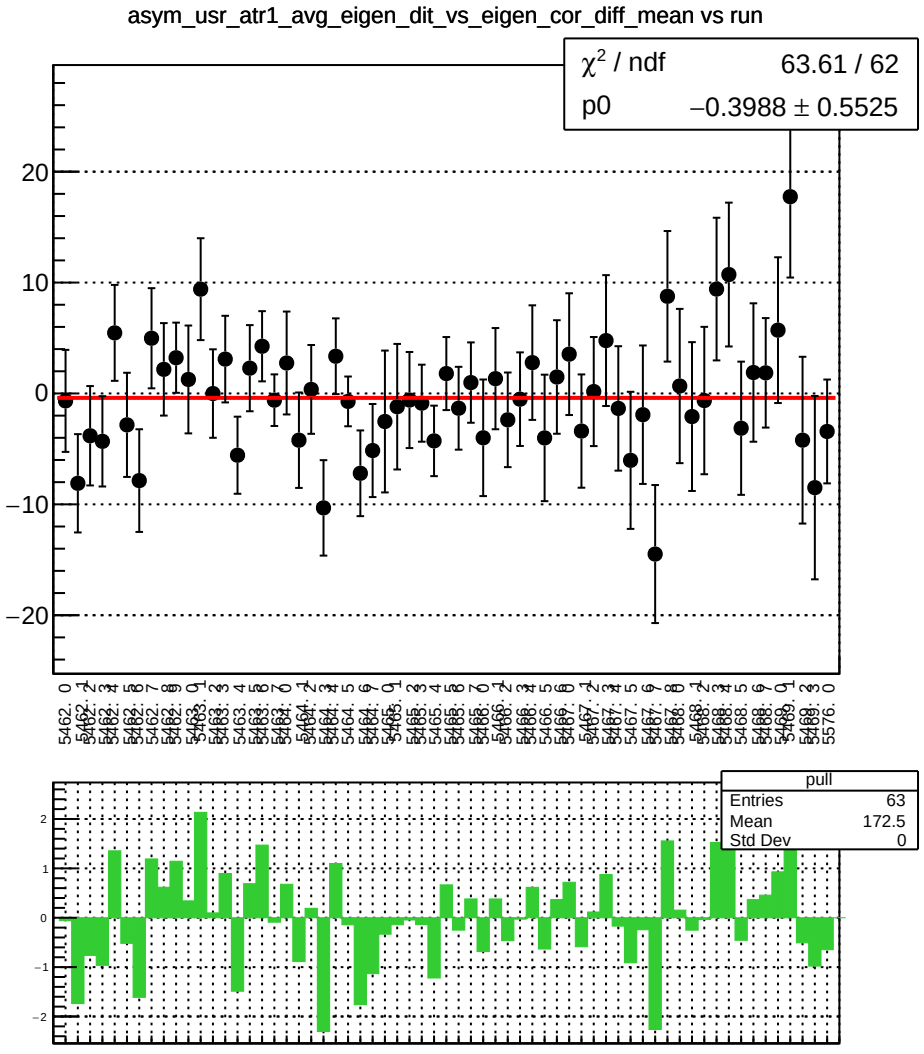

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.6 / 62
p0 −3.56e−06 ± 8.599e−06
pull
Entries 63
Mean 68.19
Std Dev 0

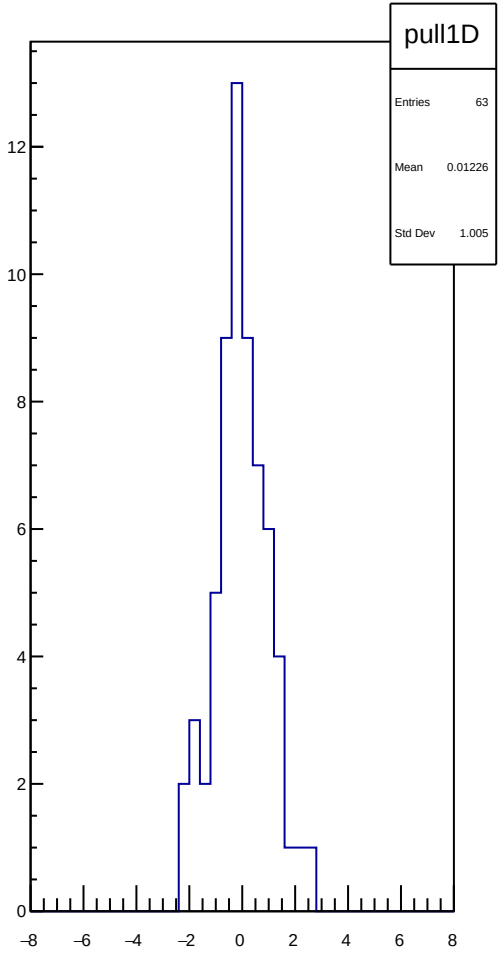

pull1D
Entries 63
Mean −0.01219
Std Dev 1.117

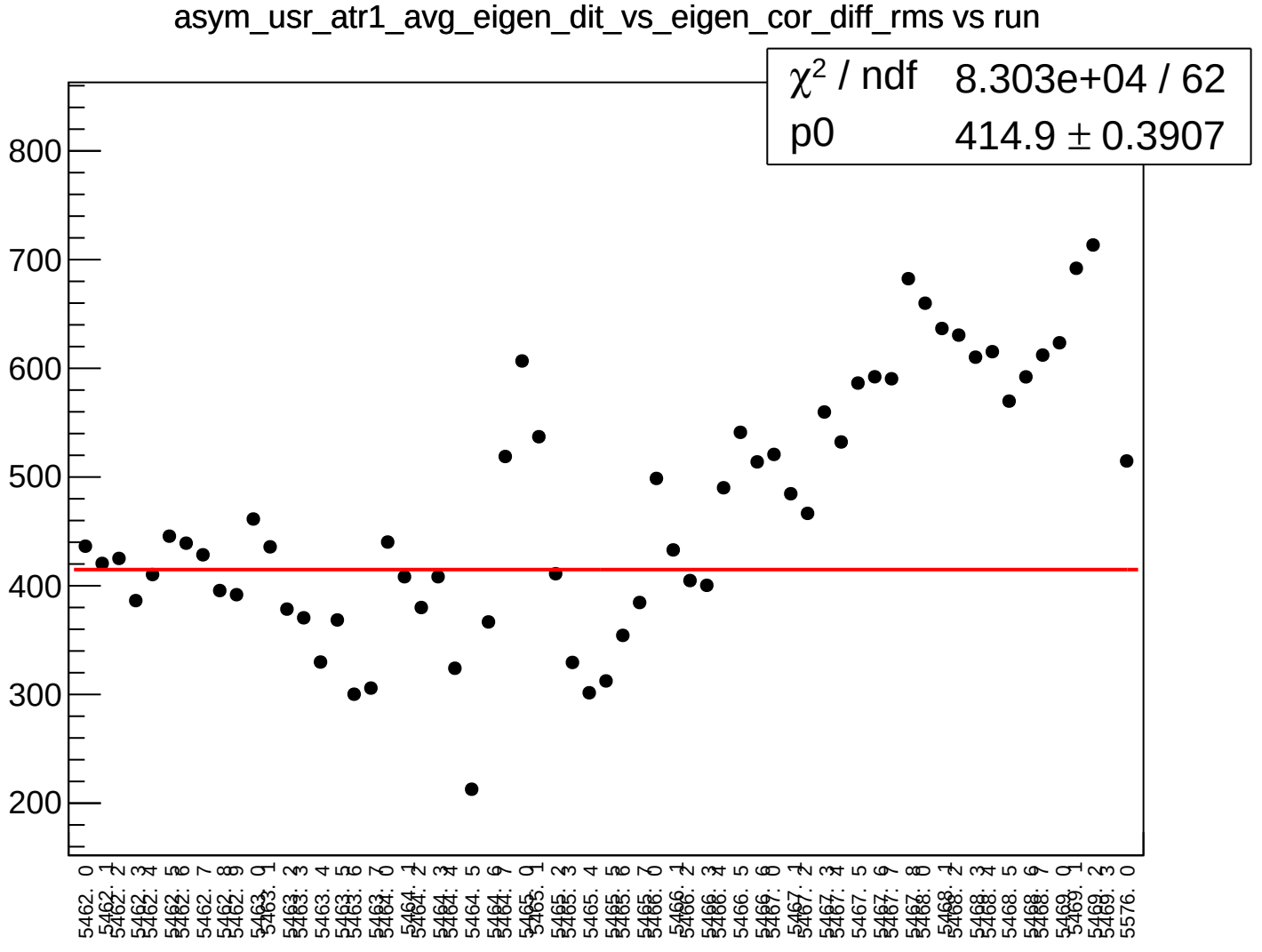

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2501 / 62
p0 0.006684 ± 6.08e–06
0.007
0.0065
0.006
0.0055
0.005

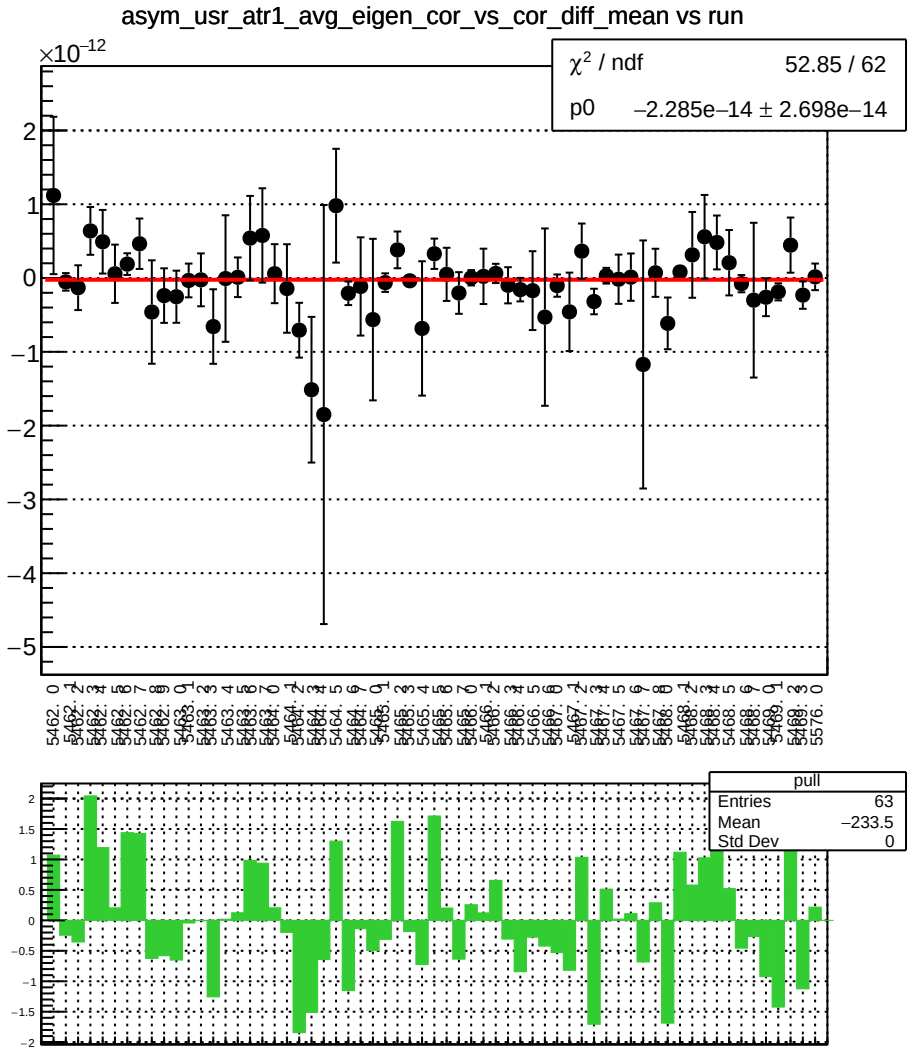

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.61 / 62
p0 −0.3988 ± 0.5525
pull
Entries 63
Mean 172.5
Std Dev 0
pull1D
Entries 63
Mean 0.01226
Std Dev 1.005

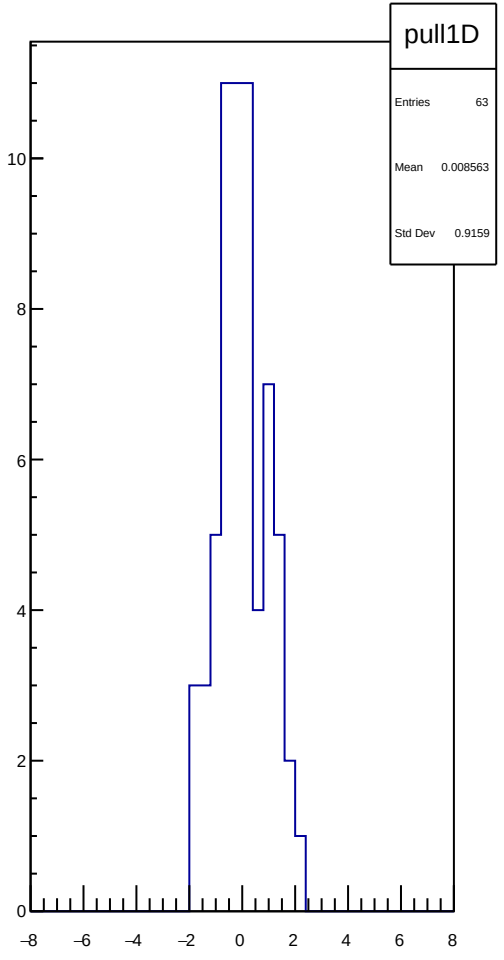

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.303e+04 / 62
p0 414.9 ± 0.3907
800
700
600
500
400
300
200

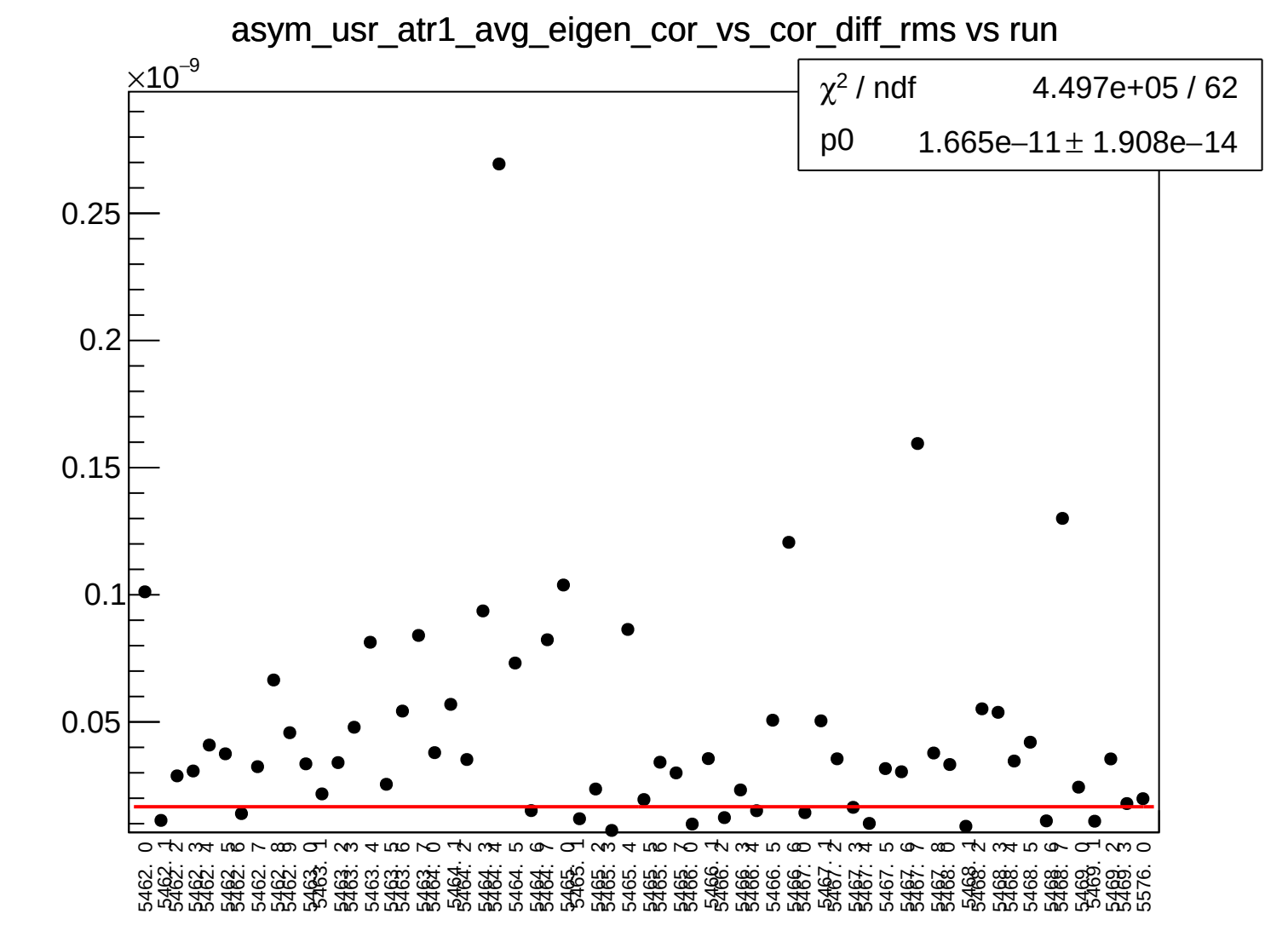

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.61 / 62
p0 −0.3988 ± 0.5525
pull
Entries 63
Mean 172.5
Std Dev 0

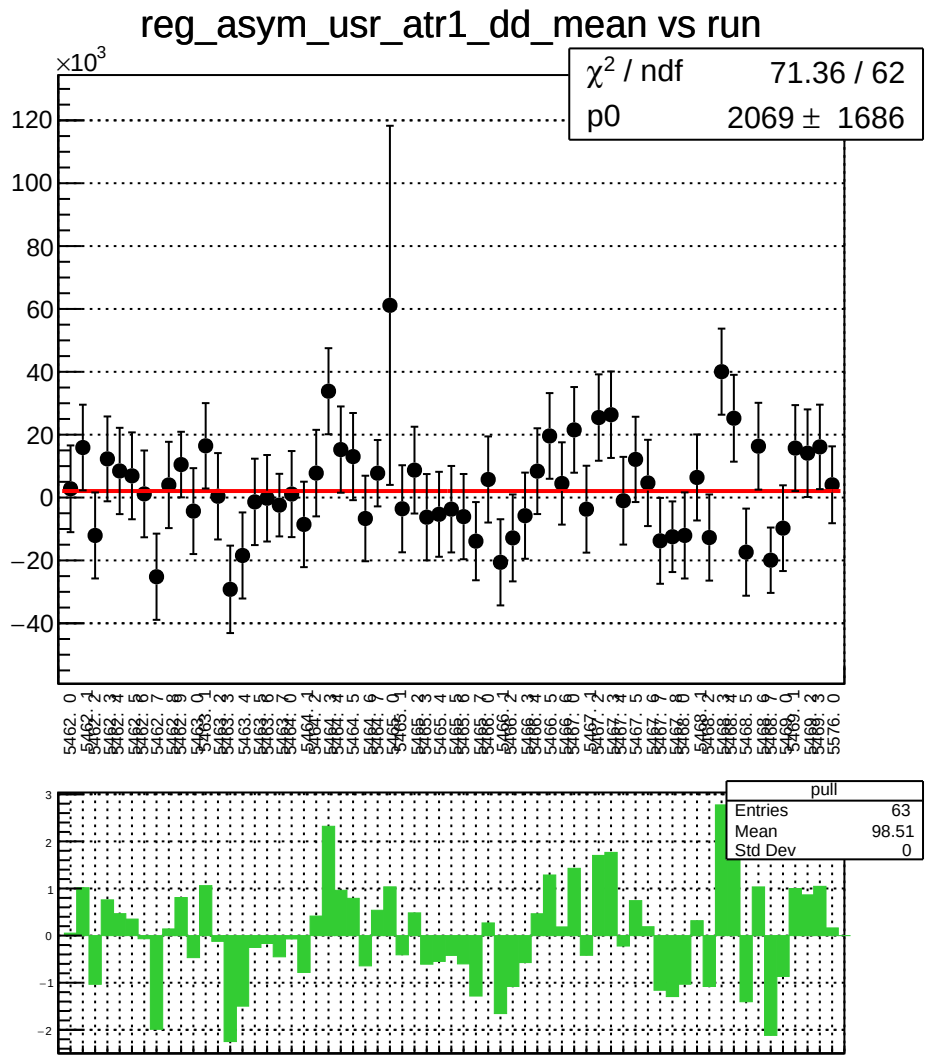

pull1D
Entries 63
Mean 0.01226
Std Dev 1.005

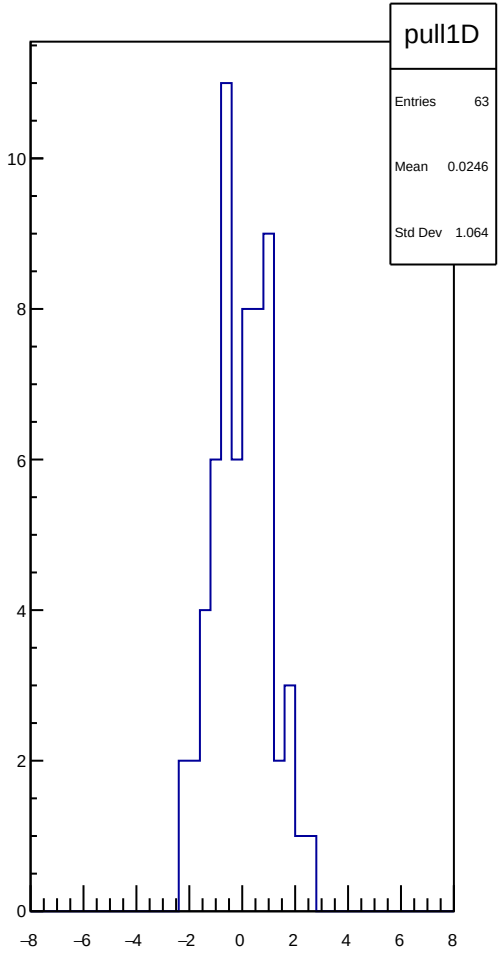

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.303e+04 / 62
p0 414.9 ± 0.3907
800
700
600
500
400
300
200

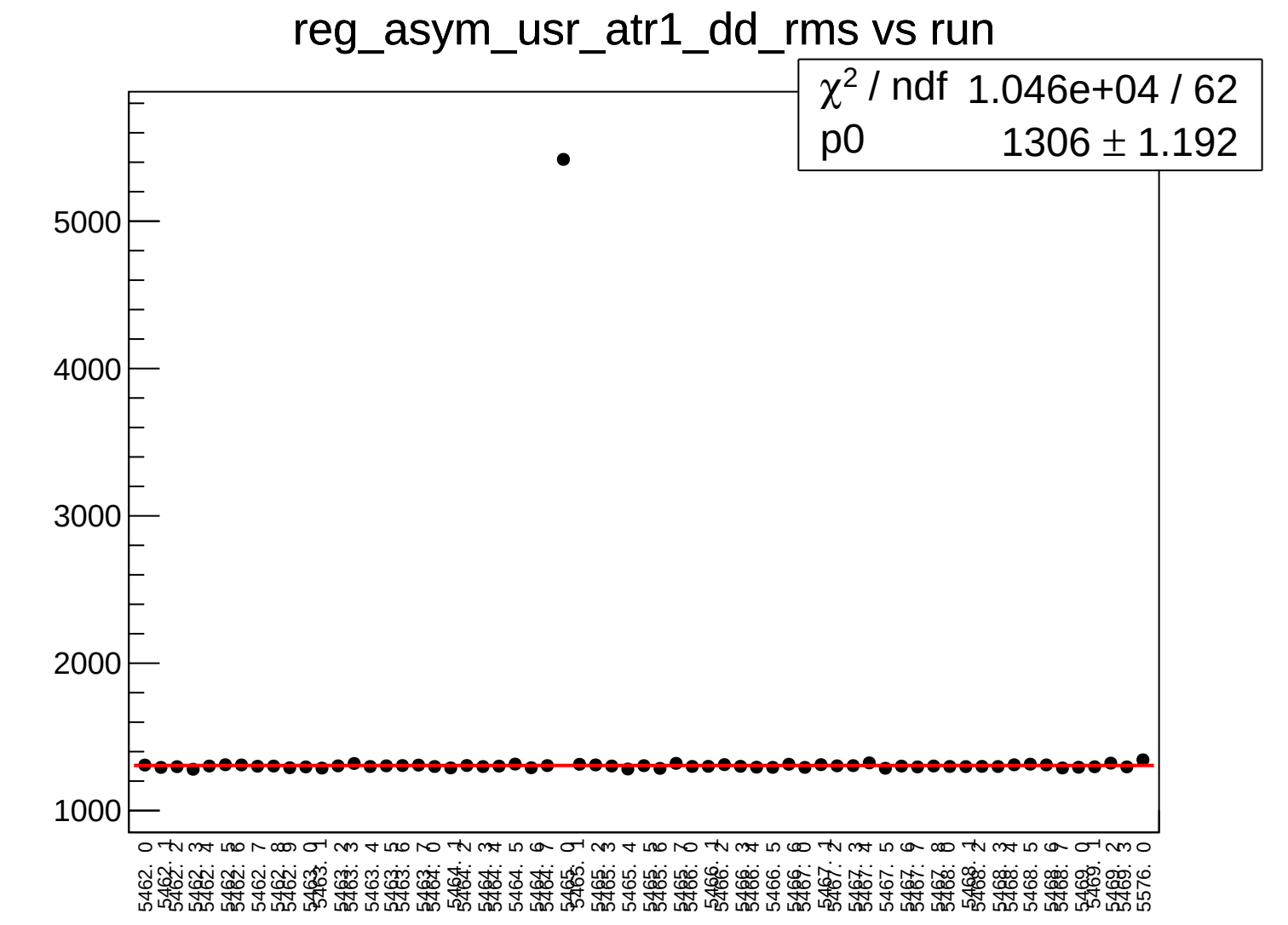

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.85 / 62
p0 −2.285e−14 ± 2.698e−14
pull
Entries 63
Mean −233.5
Std Dev 0


pull1D
Entries 63
Mean 0.008563
Std Dev 0.9159


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.497e+05 / 62
p0 1.665e−11 ± 1.908e−14
0.25
0.2
0.15
0.1
0.05


reg_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 71.36 / 62
p0 2069 ± 1686
pull
Entries 63
Mean 98.51
Std Dev 0


pull1D
Entries 63
Mean 0.0246
Std Dev 1.064


reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 1.046e+04 / 62
p0 1306 ± 1.192
5000
4000
3000
2000
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
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5465. 6
5465. 7
5466. 0
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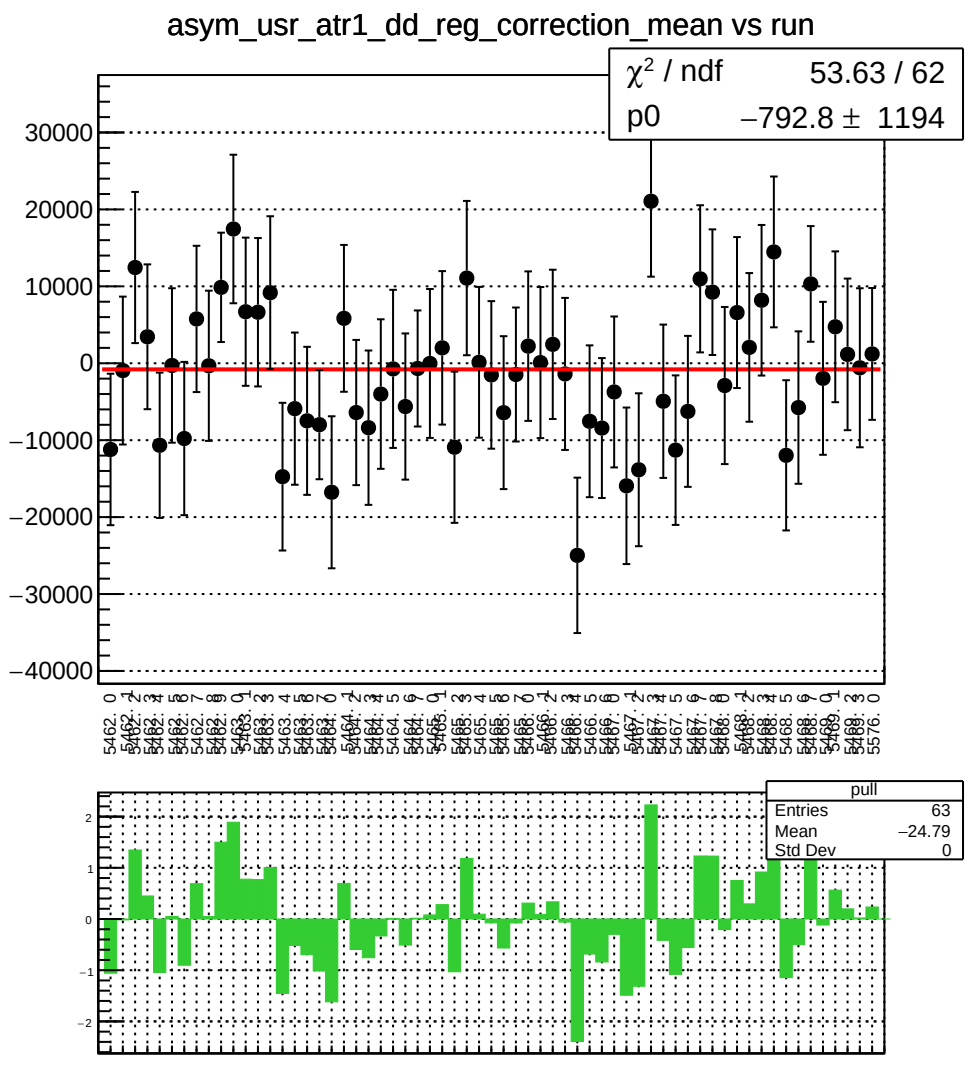
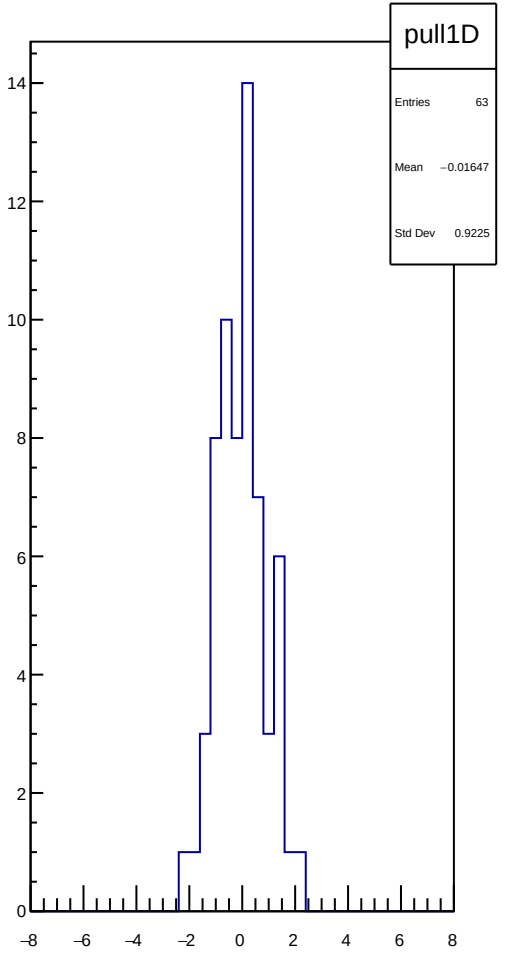
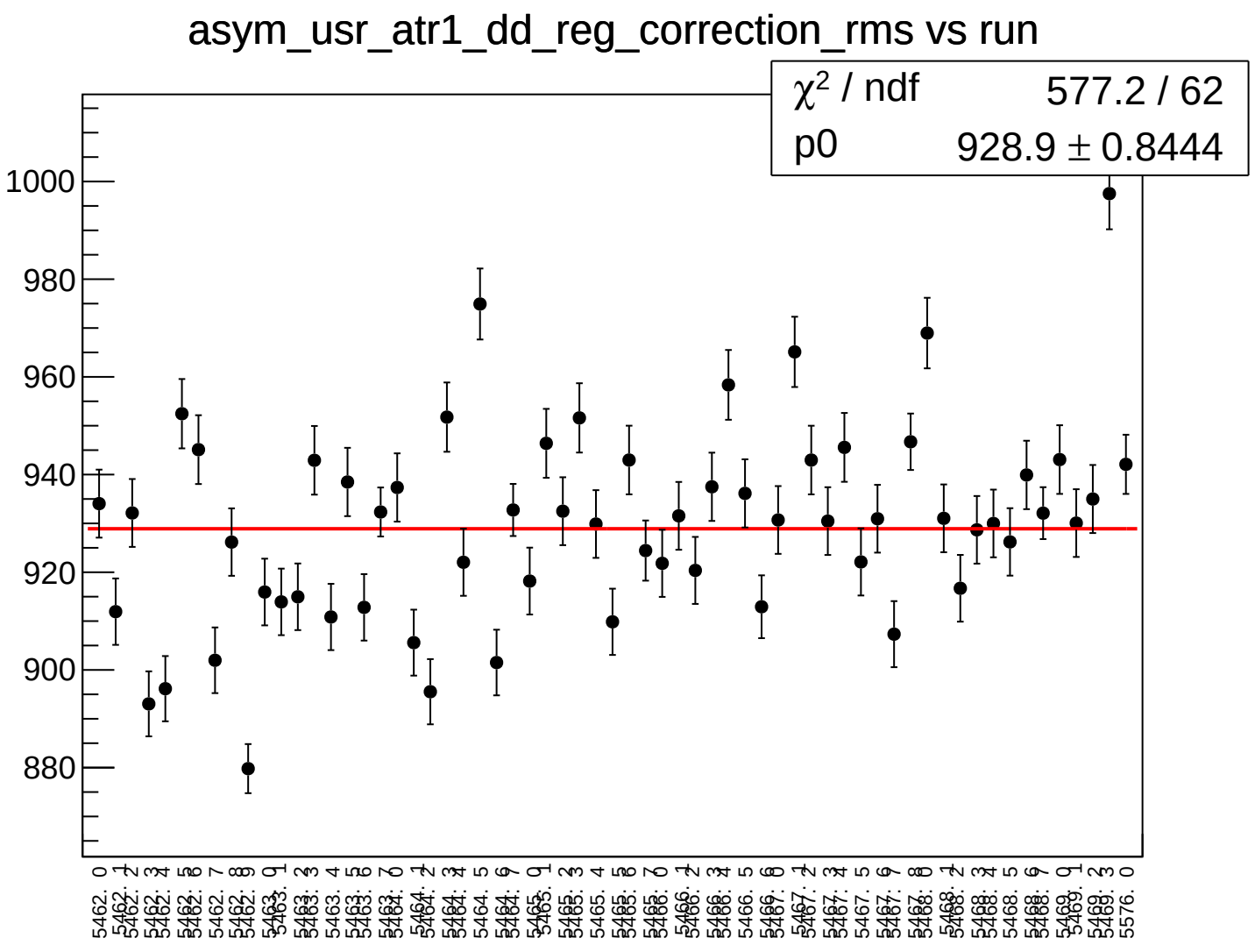
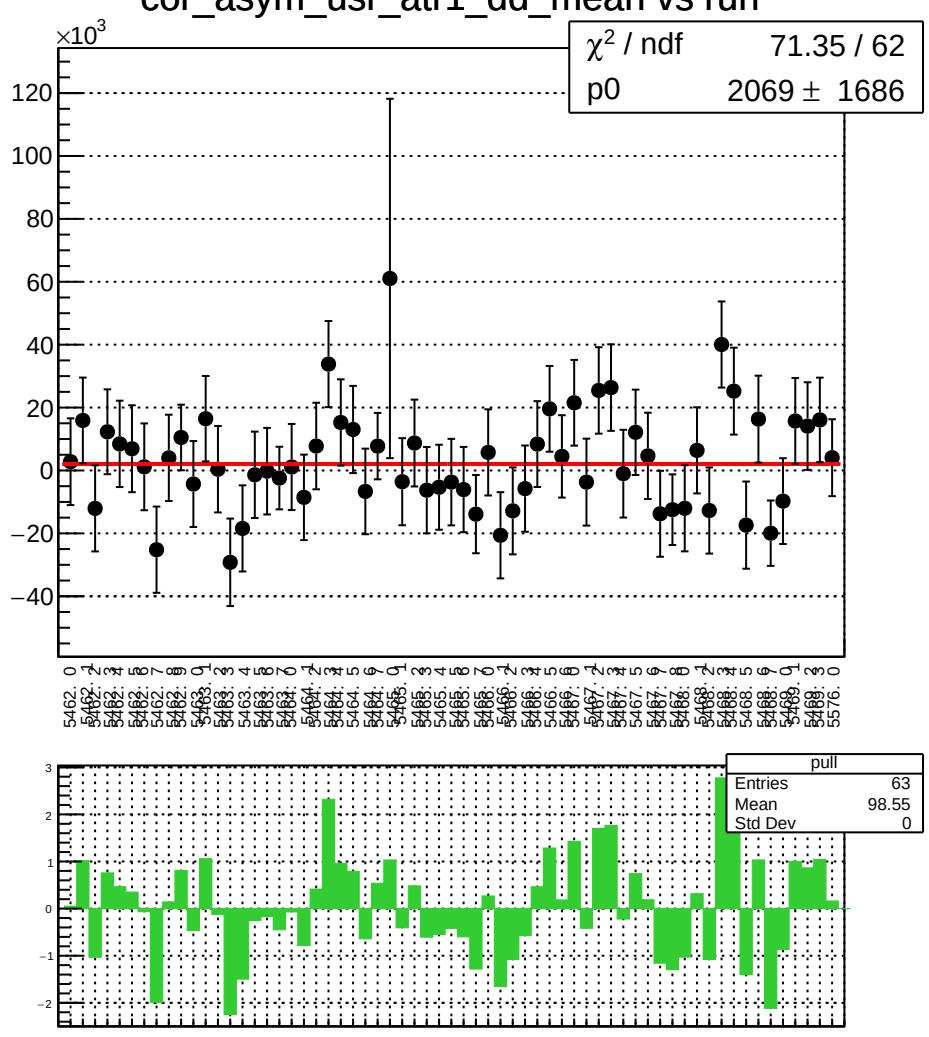
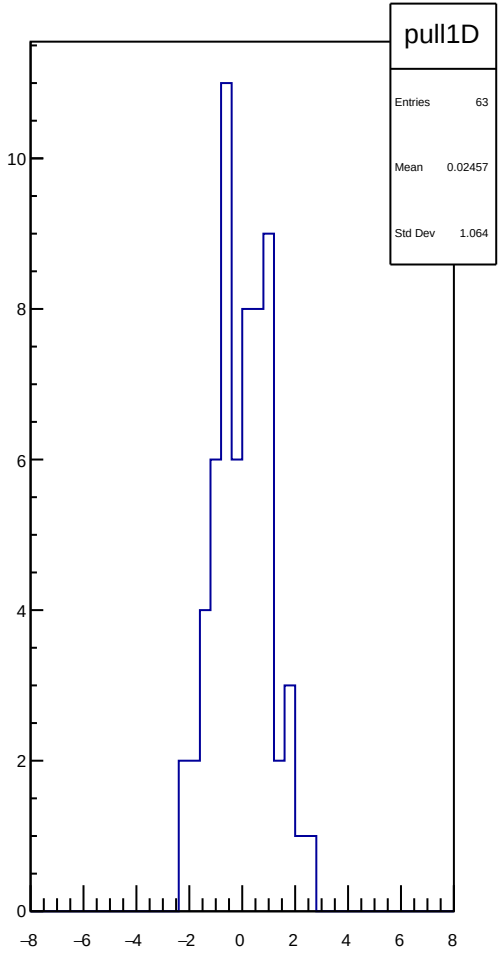
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

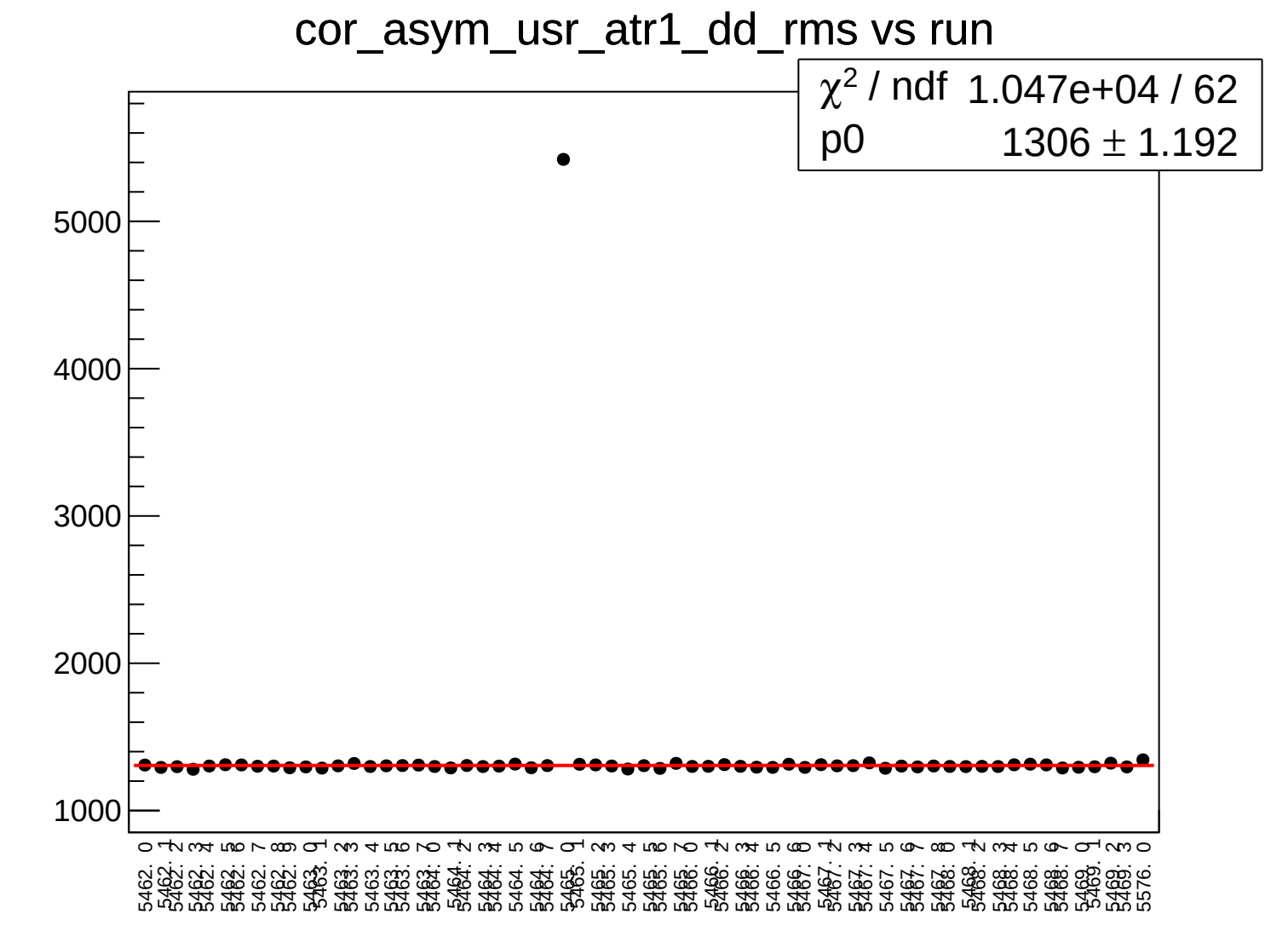

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 53.63 / 62
p0 −792.8 ± 1194
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 63
Mean −24.79
Std Dev 0
2
1
0
−1
−2

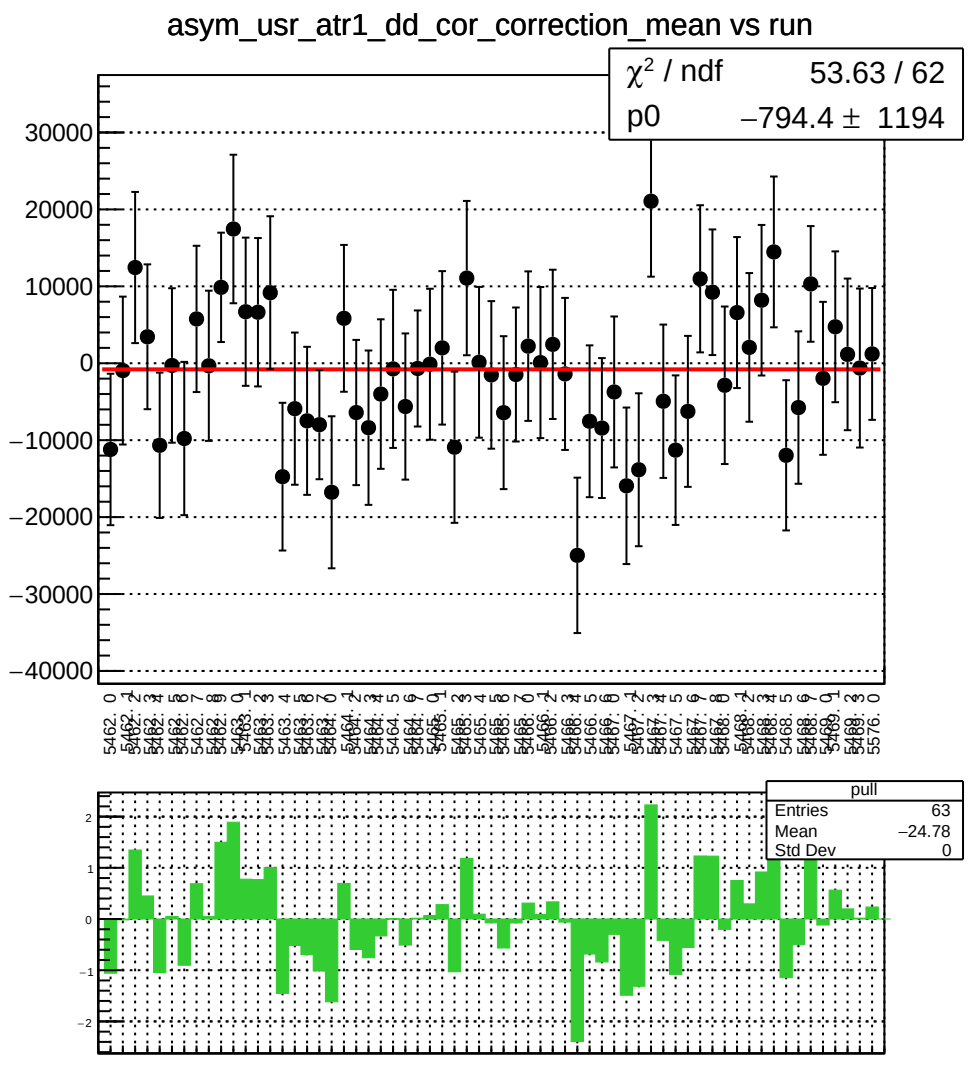

pull1D
Entries 63
Mean −0.01647
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

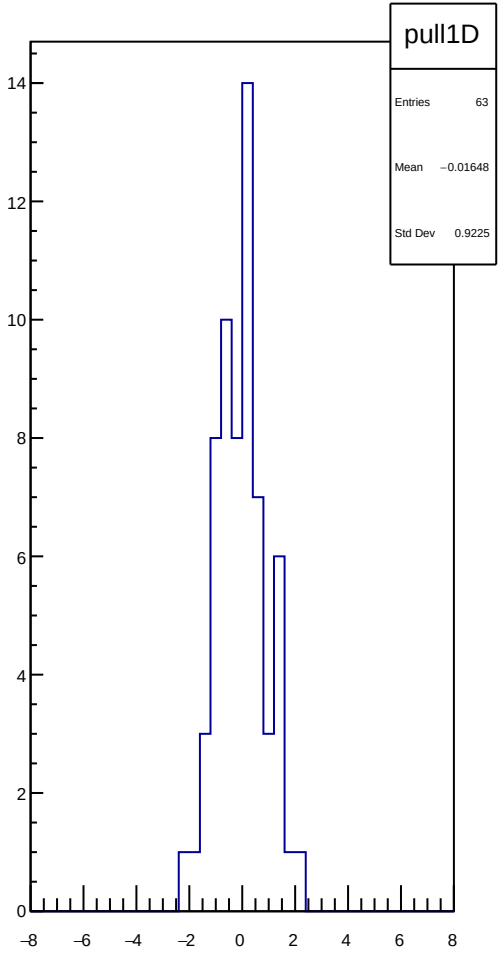

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 577.2 / 62
p0 928.9 ± 0.8444
1000
980
960
940
920
900
880
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

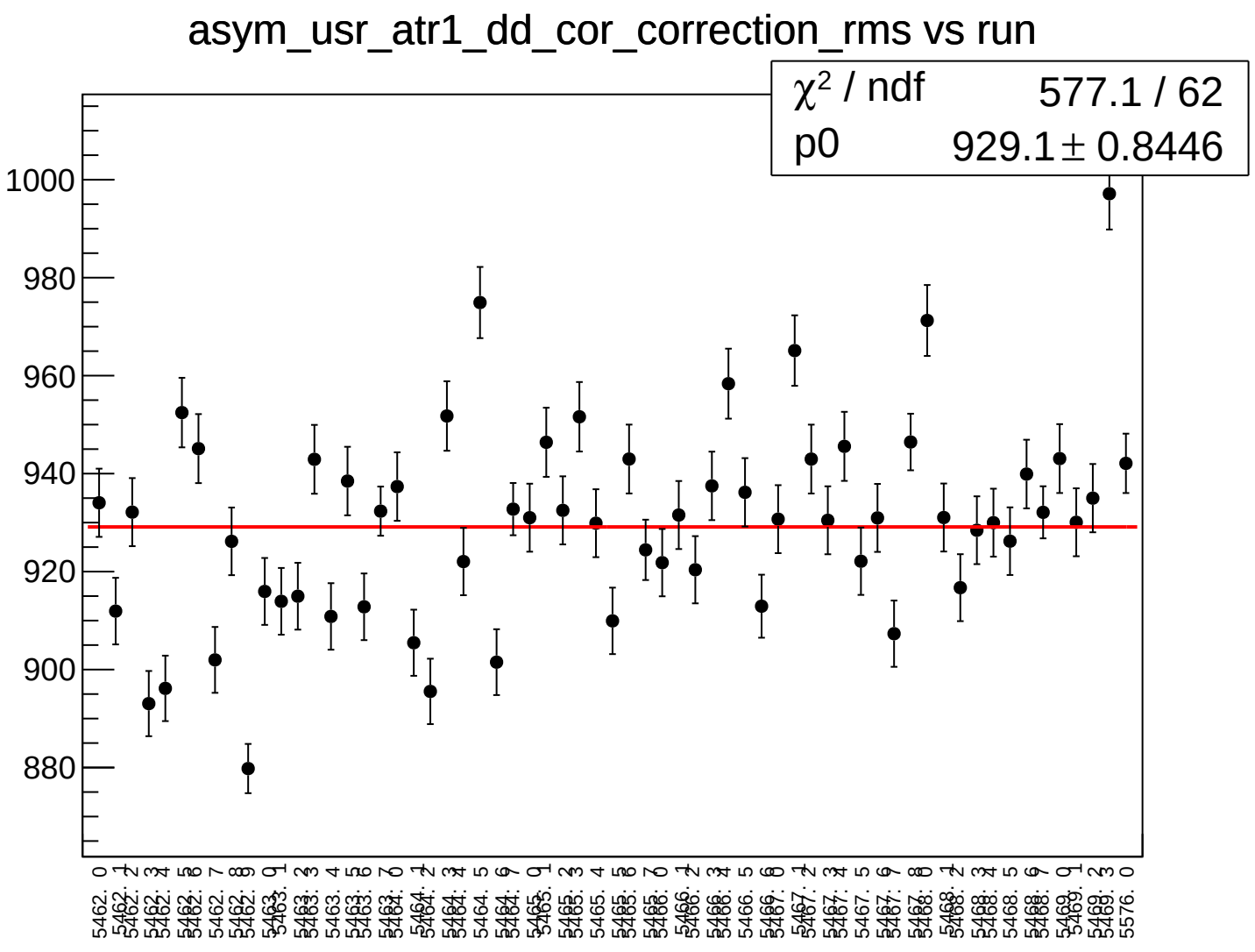

cor_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 71.35 / 62
p0 2069 ± 1686
pull
Entries 63
Mean 98.55
Std Dev 0


pull1D
Entries 63
Mean 0.02457
Std Dev 1.064


cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 1.047e+04 / 62
p0 1306 ± 1.192
5000
4000
3000
2000
1000


asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 53.63 / 62
p0 −794.4 ± 1194
pull
Entries 63
Mean −24.78
Std Dev 0


pull1D
Entries 63
Mean −0.01648
Std Dev 0.9225


asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 577.1 / 62
p0 929.1 ± 0.8446
1000
980
960
940
920
900
880
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
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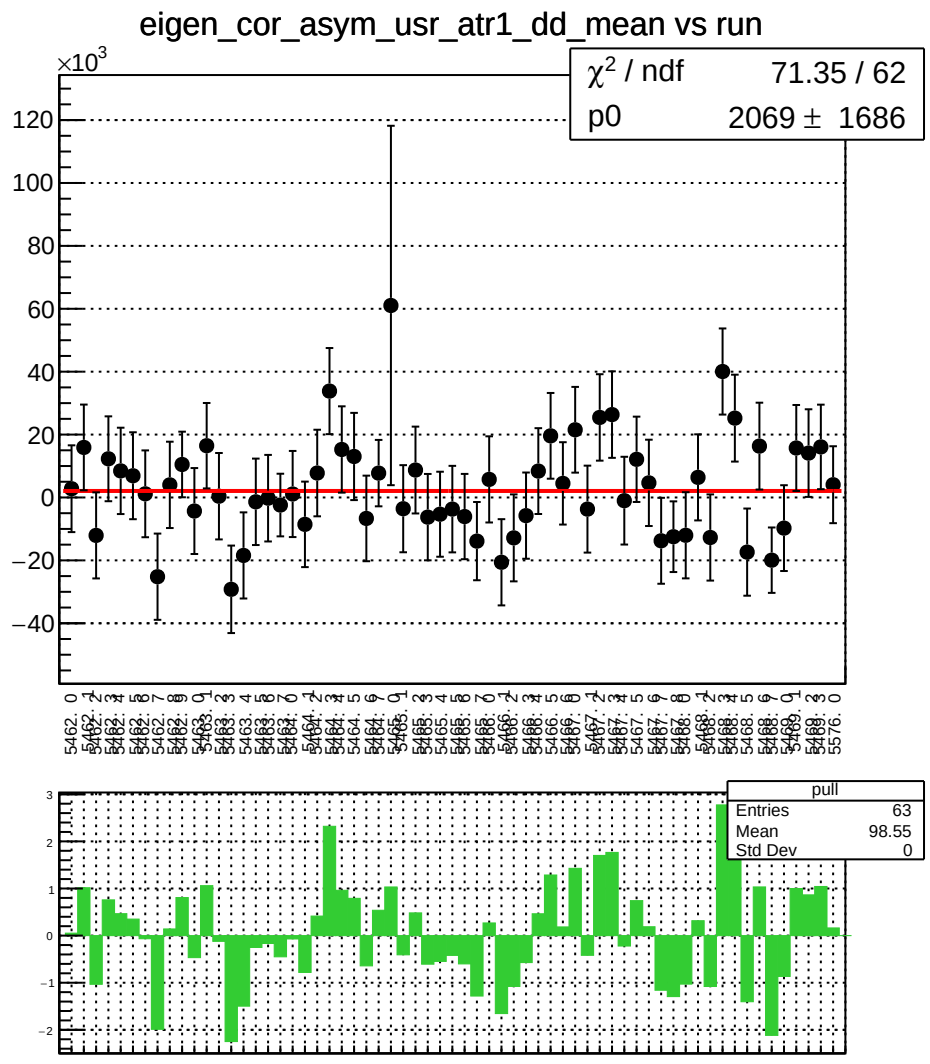
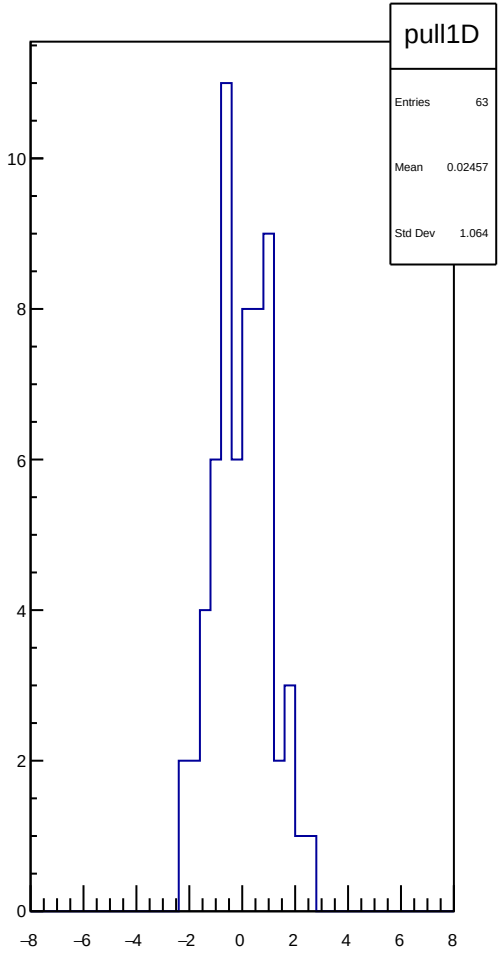
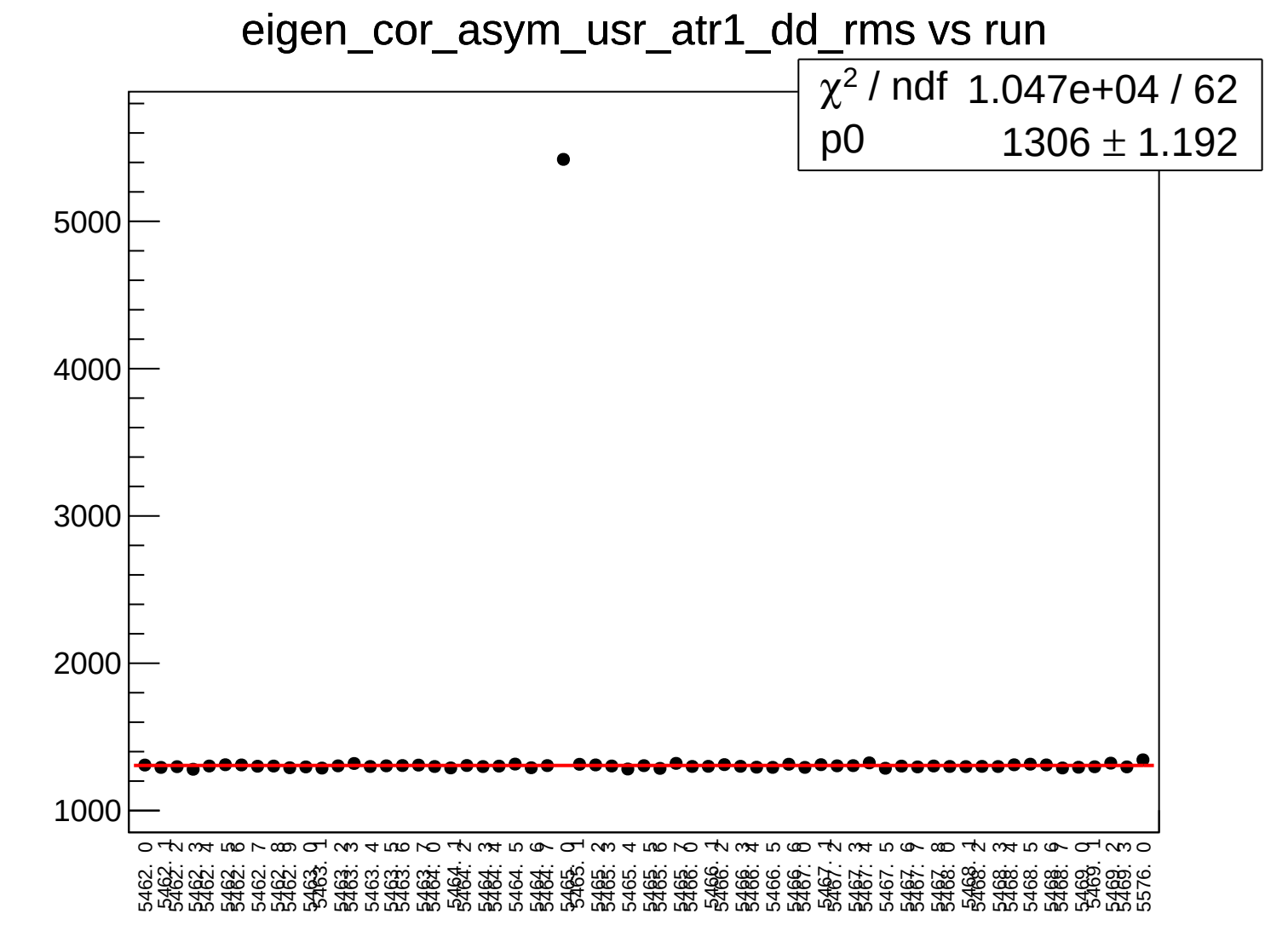
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


eigen_cor_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 71.35 / 62
p0 2069 ± 1686
pull
Entries 63
Mean 98.55
Std Dev 0


pull1D
Entries 63
Mean 0.02457
Std Dev 1.064


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 1.047e+04 / 62
p0 1306 ± 1.192
5000
4000
3000
2000
1000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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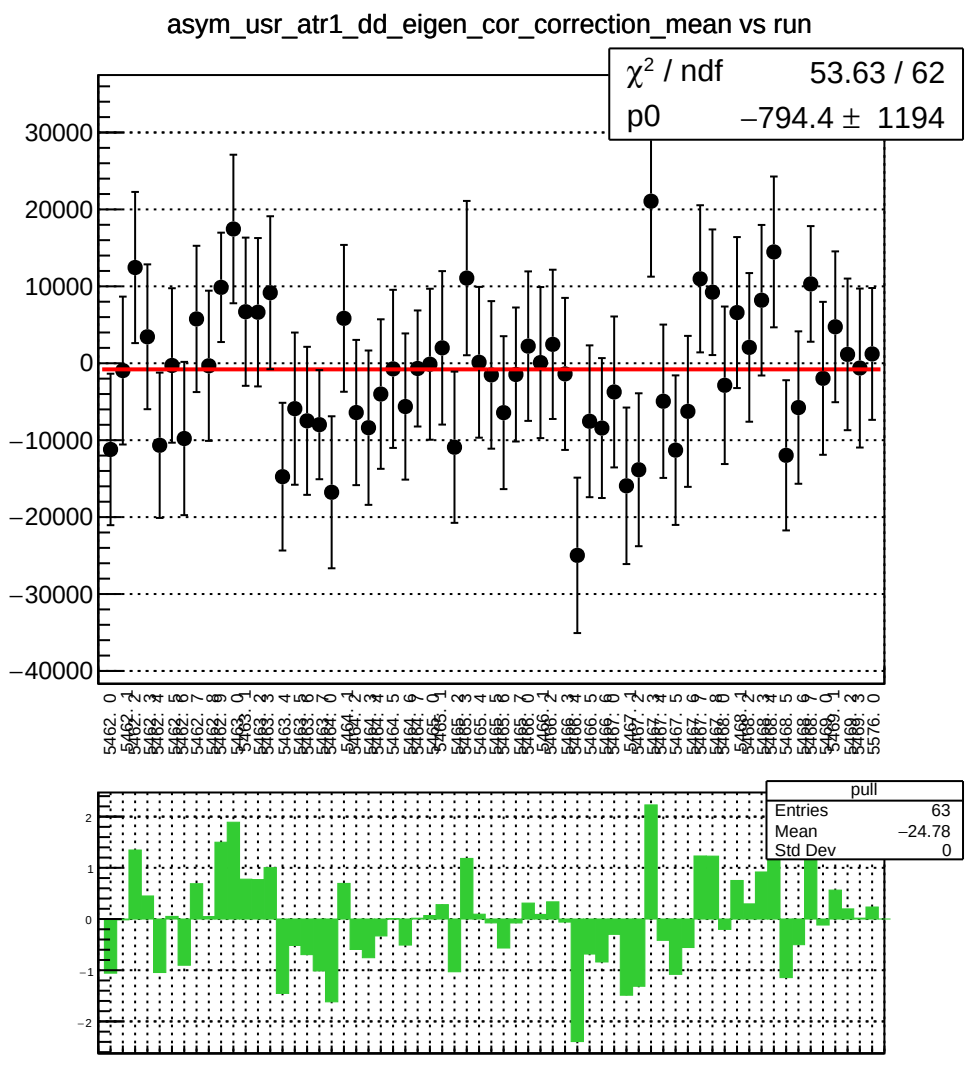
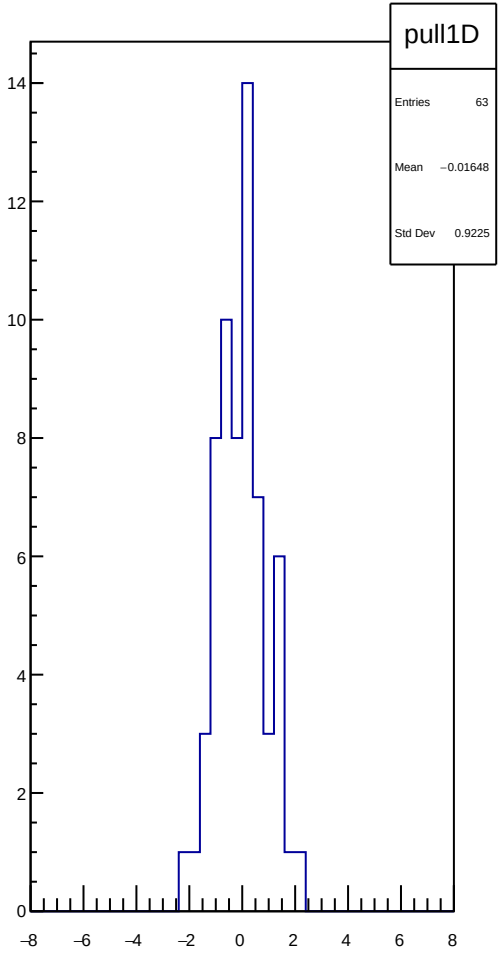
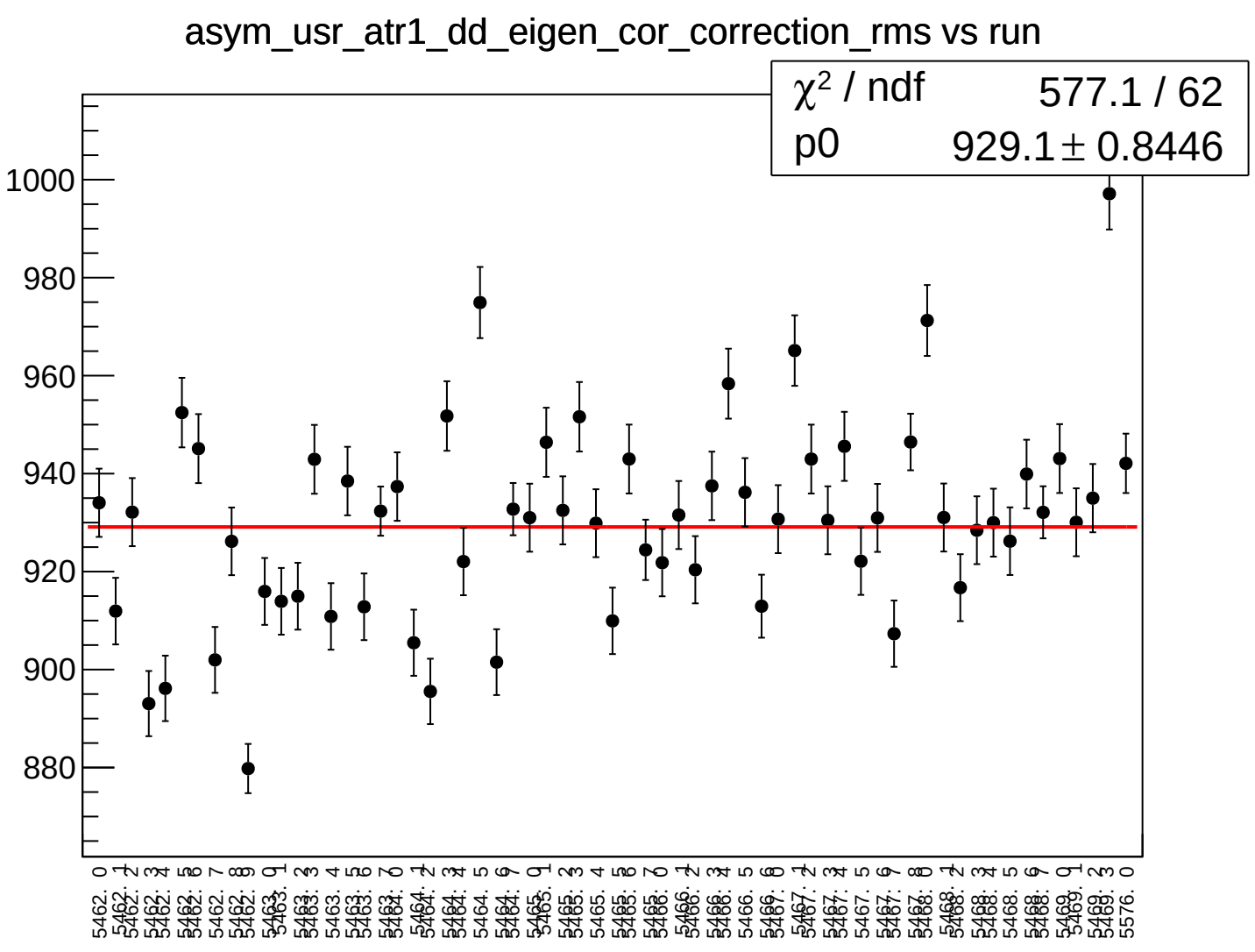
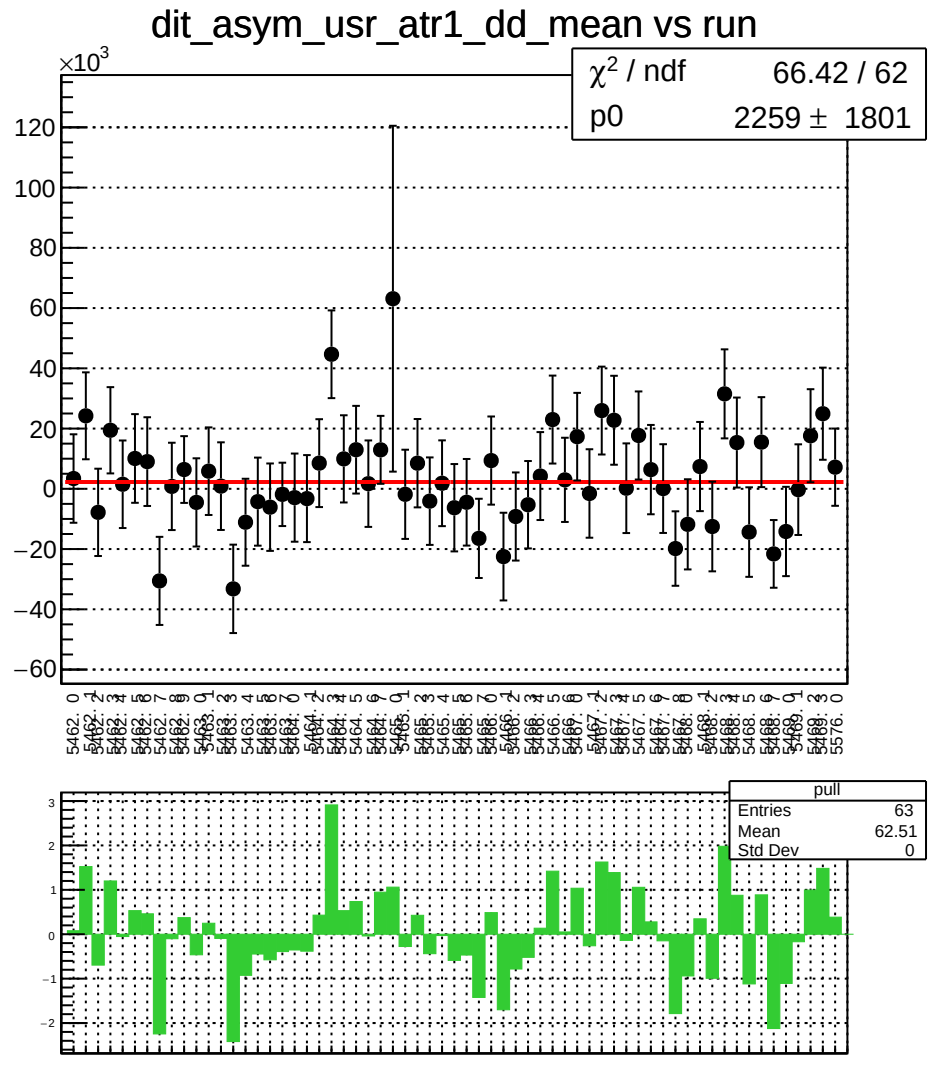
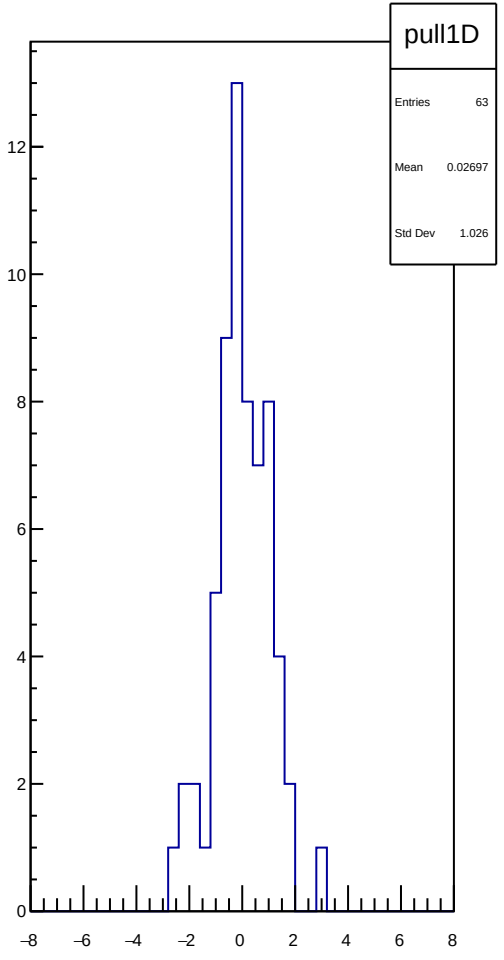
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

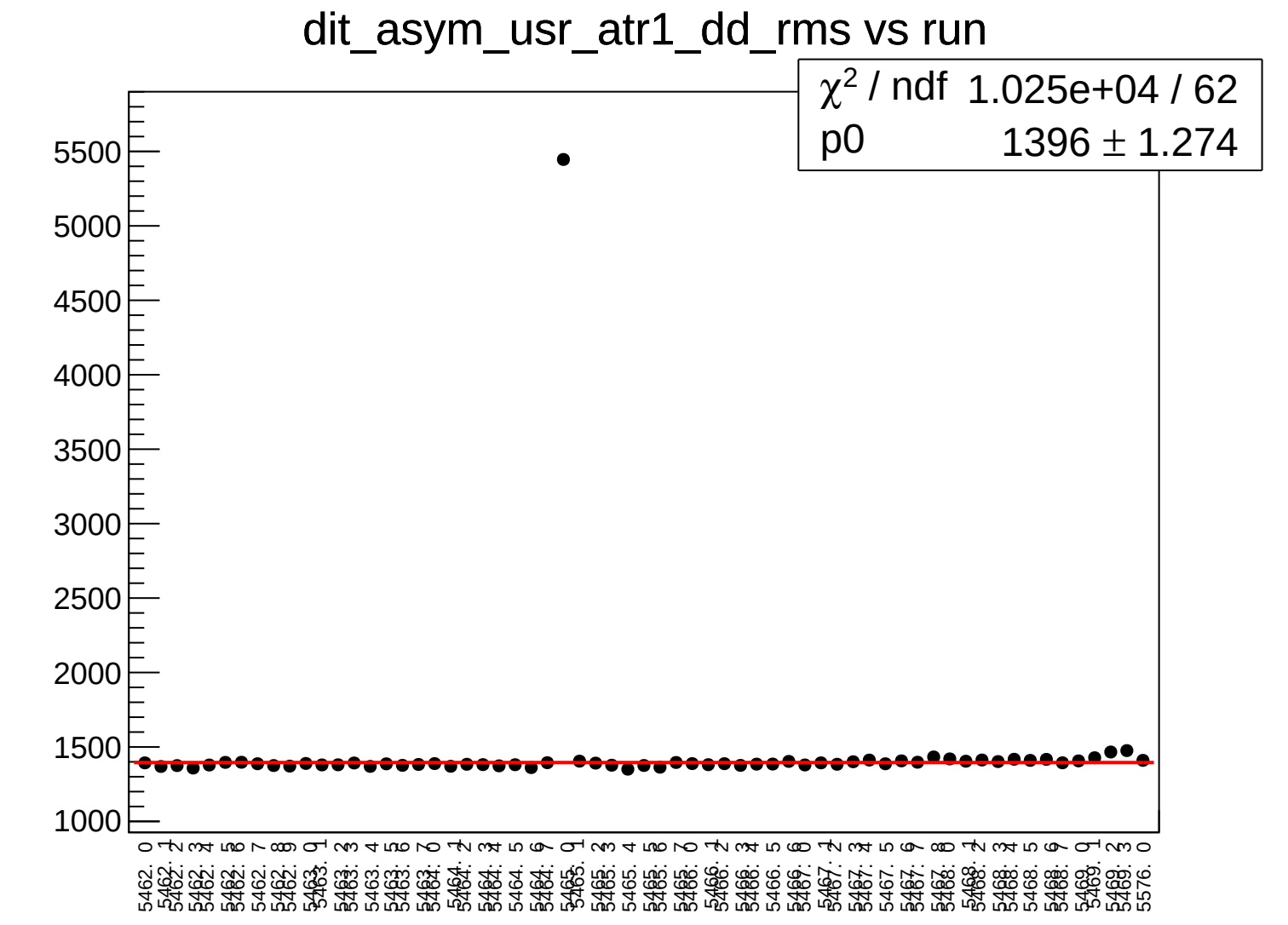

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 53.63 / 62
p0 −794.4 ± 1194
pull
Entries 63
Mean −24.78
Std Dev 0

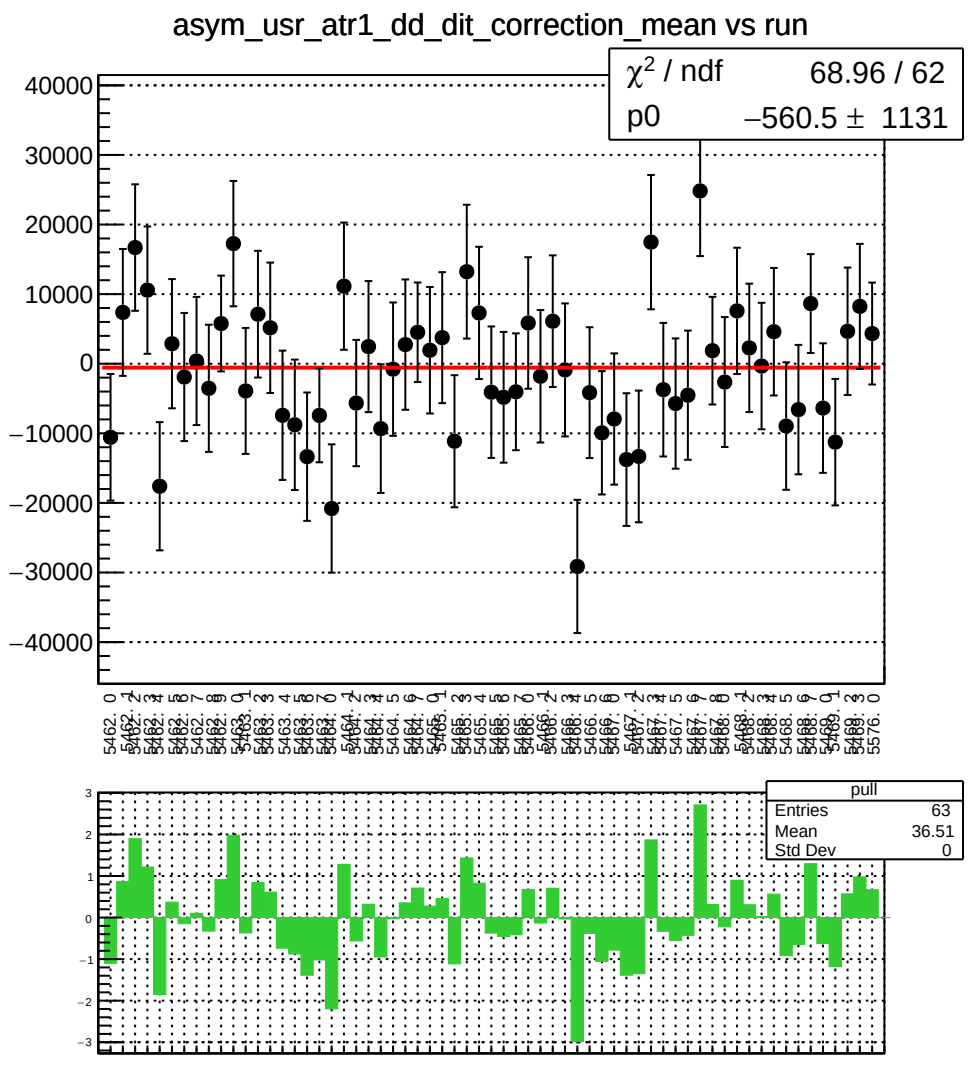

pull1D
Entries 63
Mean −0.01648
Std Dev 0.9225

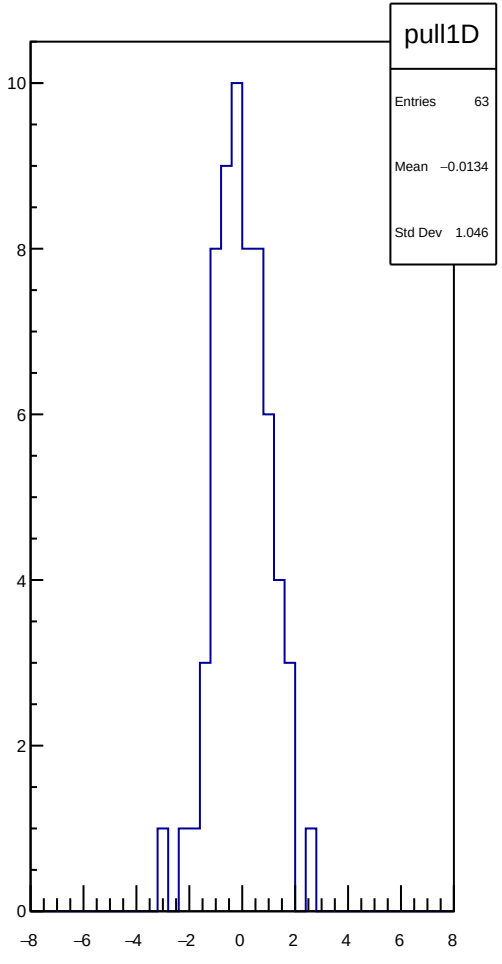

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 577.1 / 62
p0 929.1 ± 0.8446
1000
980
960
940
920
900
880
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

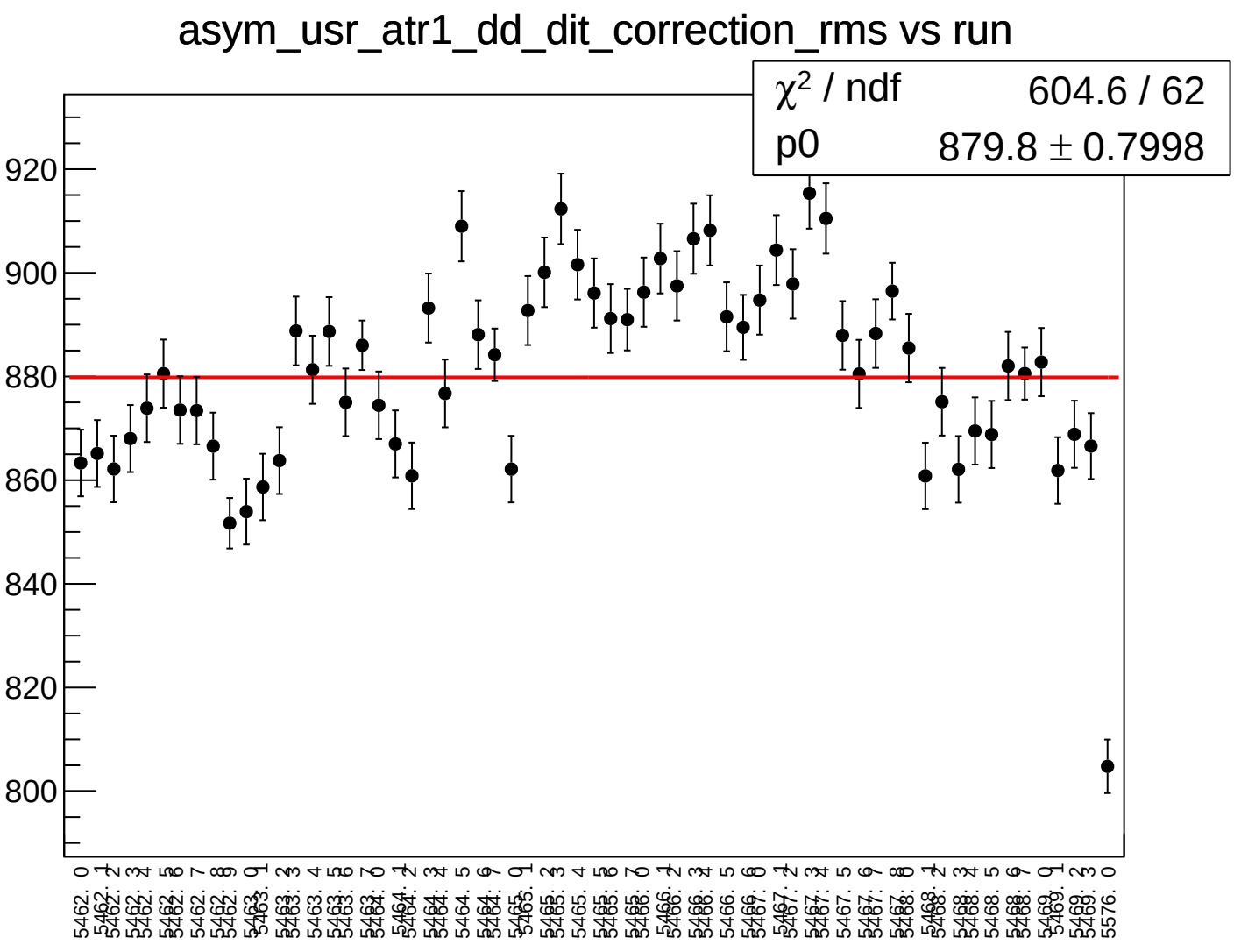

dit_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 66.42 / 62
p0 2259 ± 1801
pull
Entries 63
Mean 62.51
Std Dev 0


pull1D
Entries 63
Mean 0.02697
Std Dev 1.026


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 1.025e+04 / 62
p0 1396 ± 1.274
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 68.96 / 62
p0 −560.5 ± 1131
pull
Entries 63
Mean 36.51
Std Dev 0


pull1D
Entries 63
Mean −0.0134
Std Dev 1.046


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 604.6 / 62
p0 879.8 ± 0.7998
920
900
880
860
840
820
800
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
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5467. 0
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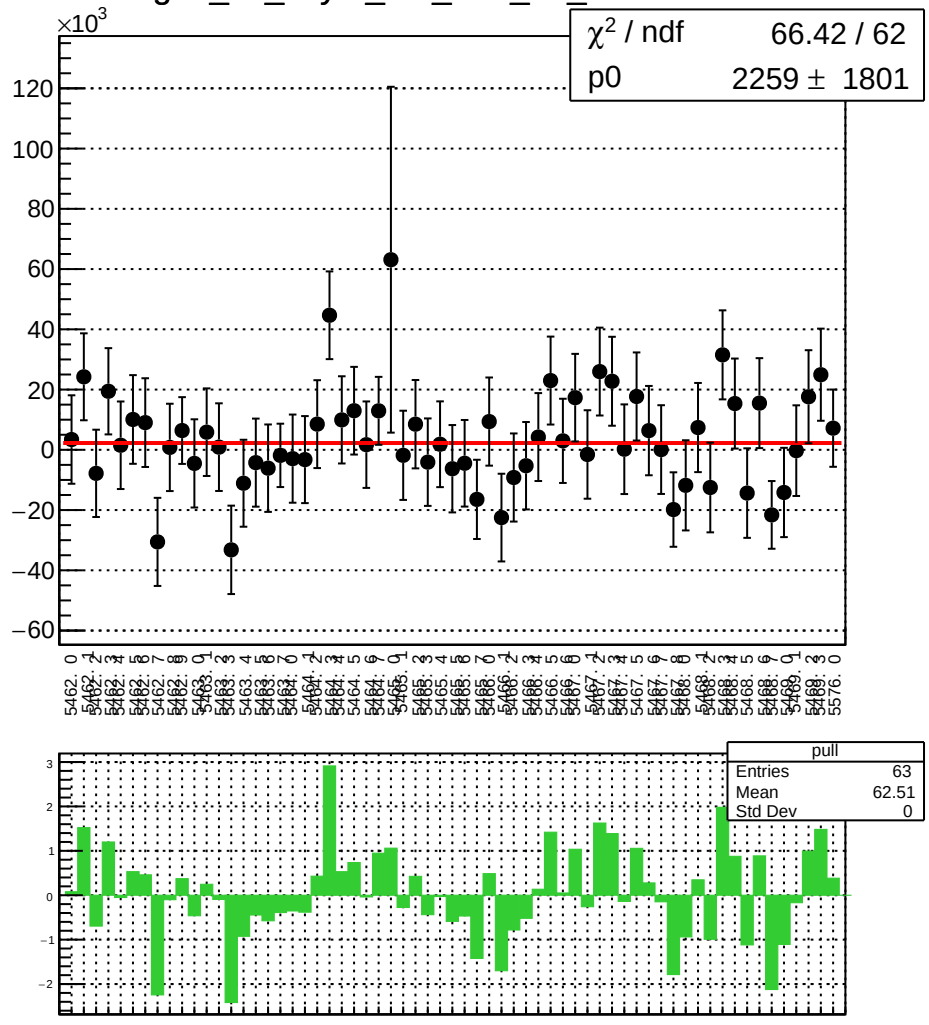
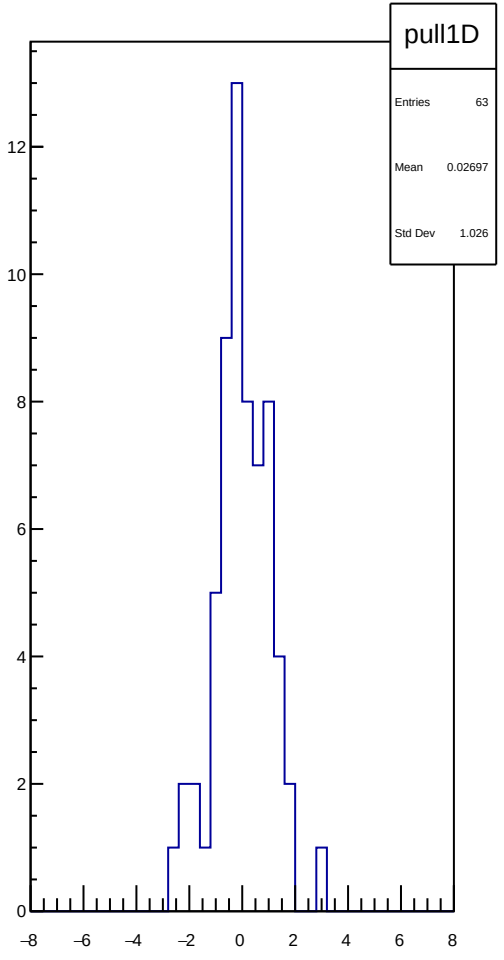
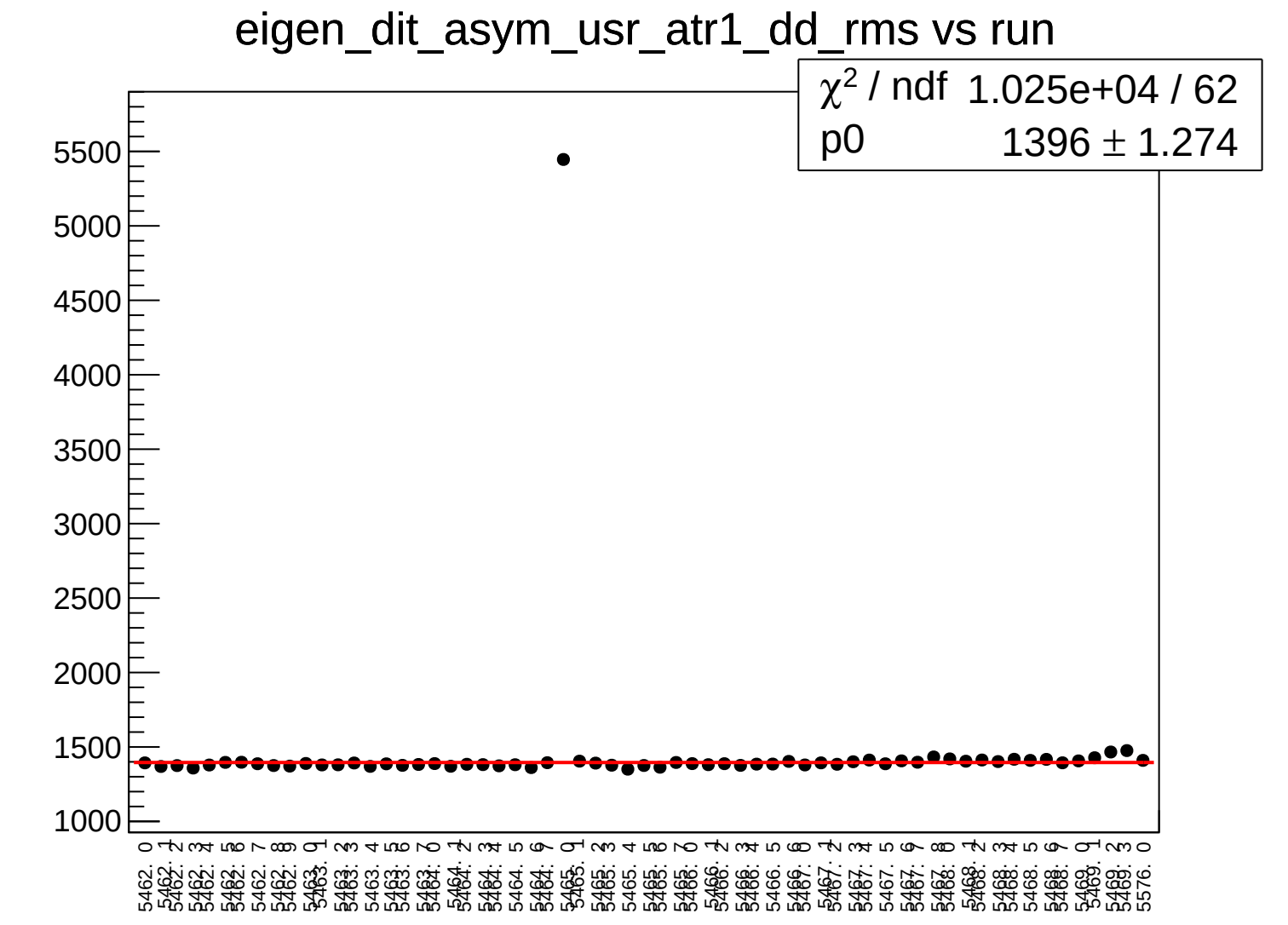
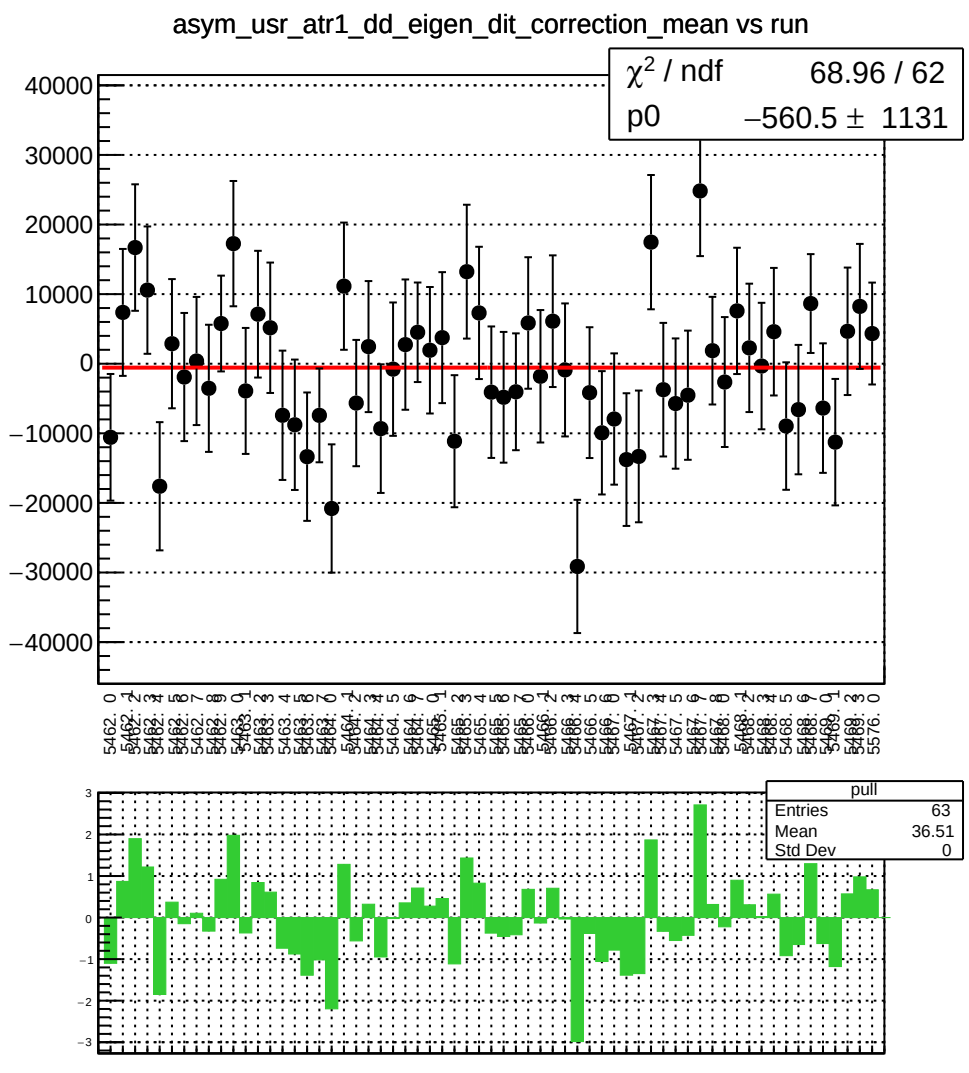
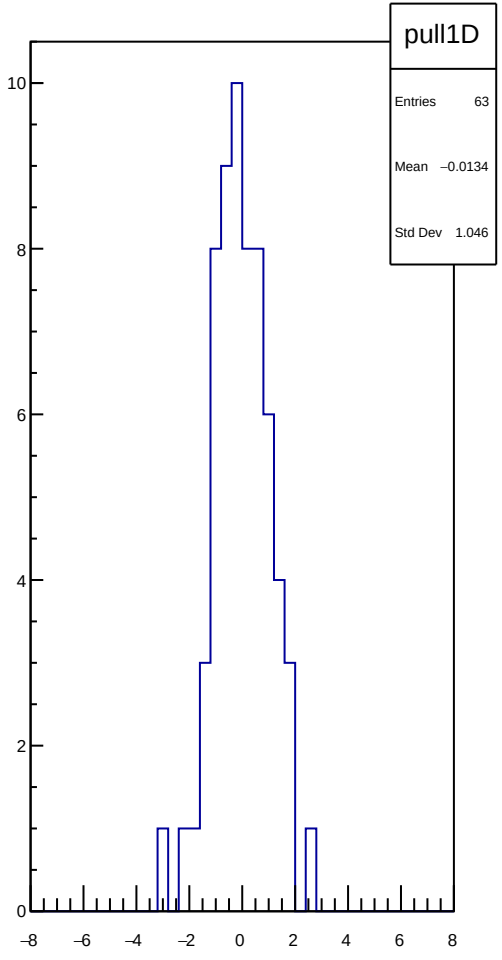
5469. 3
5576. 0

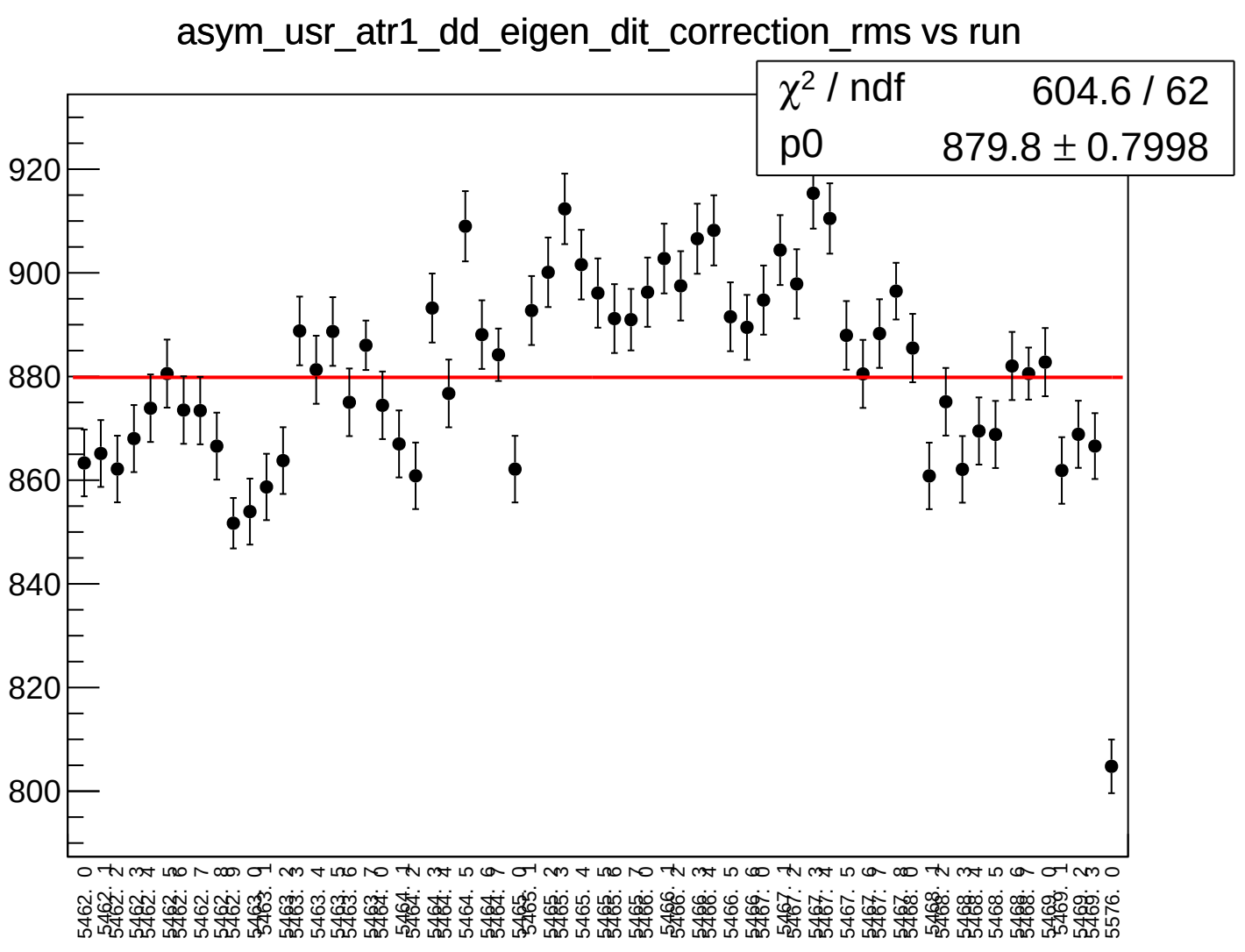

eigen_dit_asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 66.42 / 62
p0 2259 ± 1801
pull
Entries 63
Mean 62.51
Std Dev 0

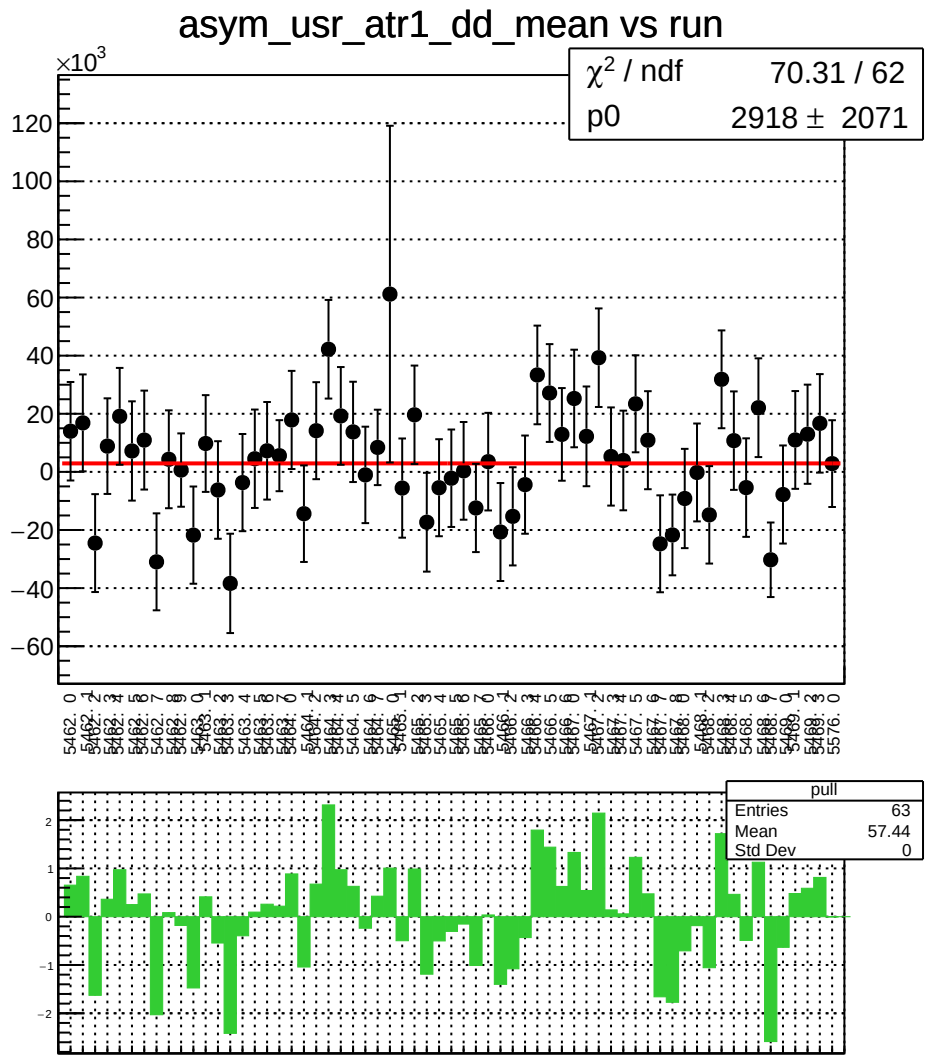

pull1D
Entries 63
Mean 0.02697
Std Dev 1.026

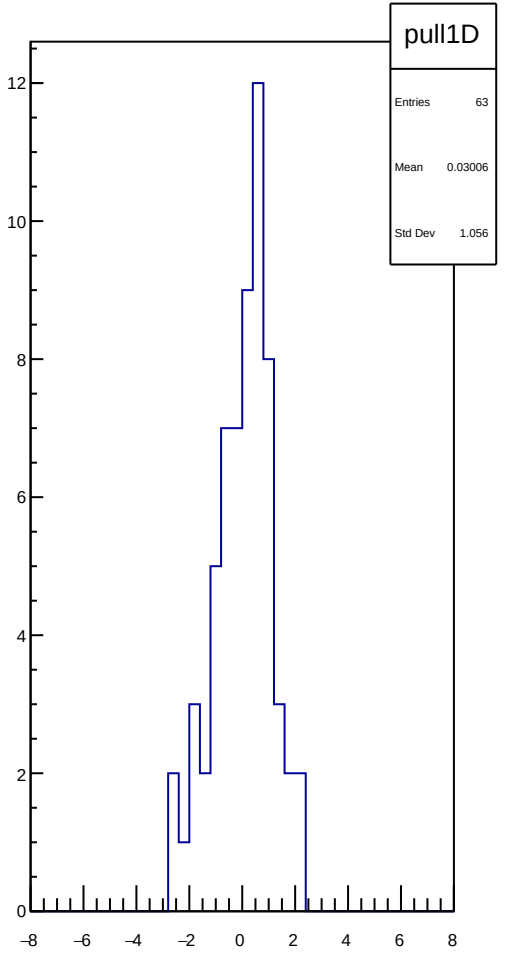

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 1.025e+04 / 62
p0 1396 ± 1.274
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000

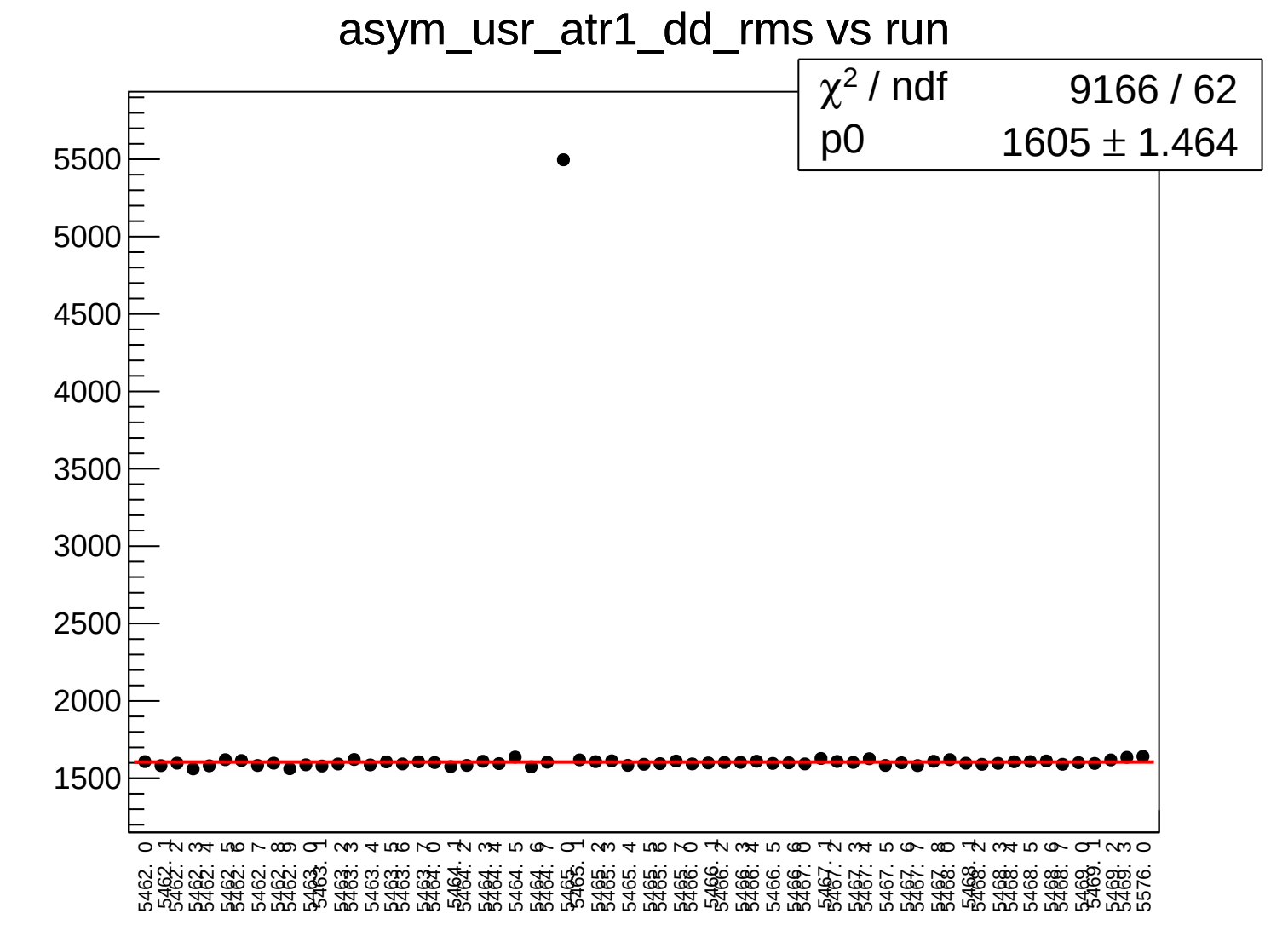

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.96 / 62
p0 −560.5 ± 1131
pull
Entries 63
Mean 36.51
Std Dev 0

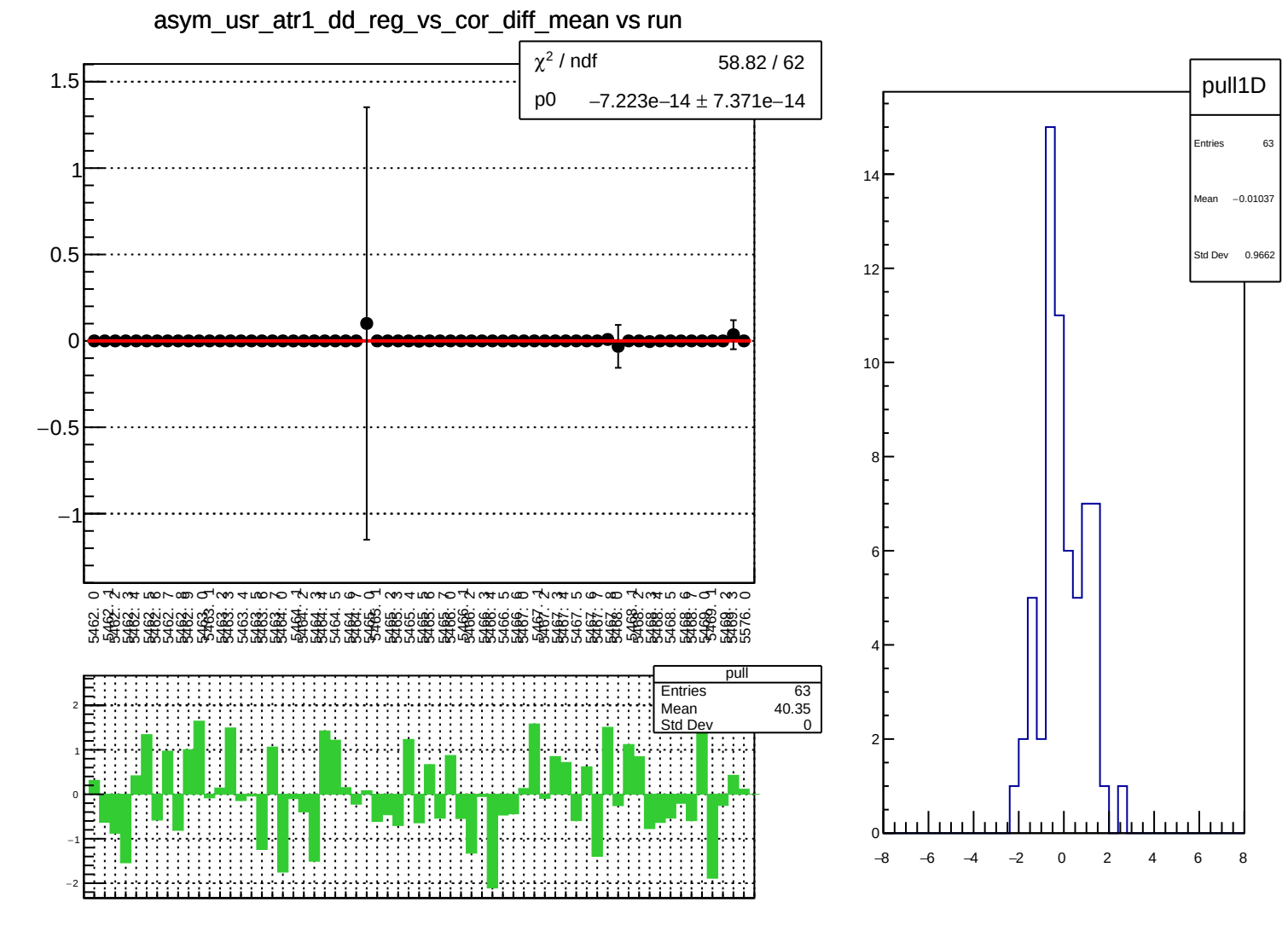

pull1D
Entries 63
Mean −0.0134
Std Dev 1.046

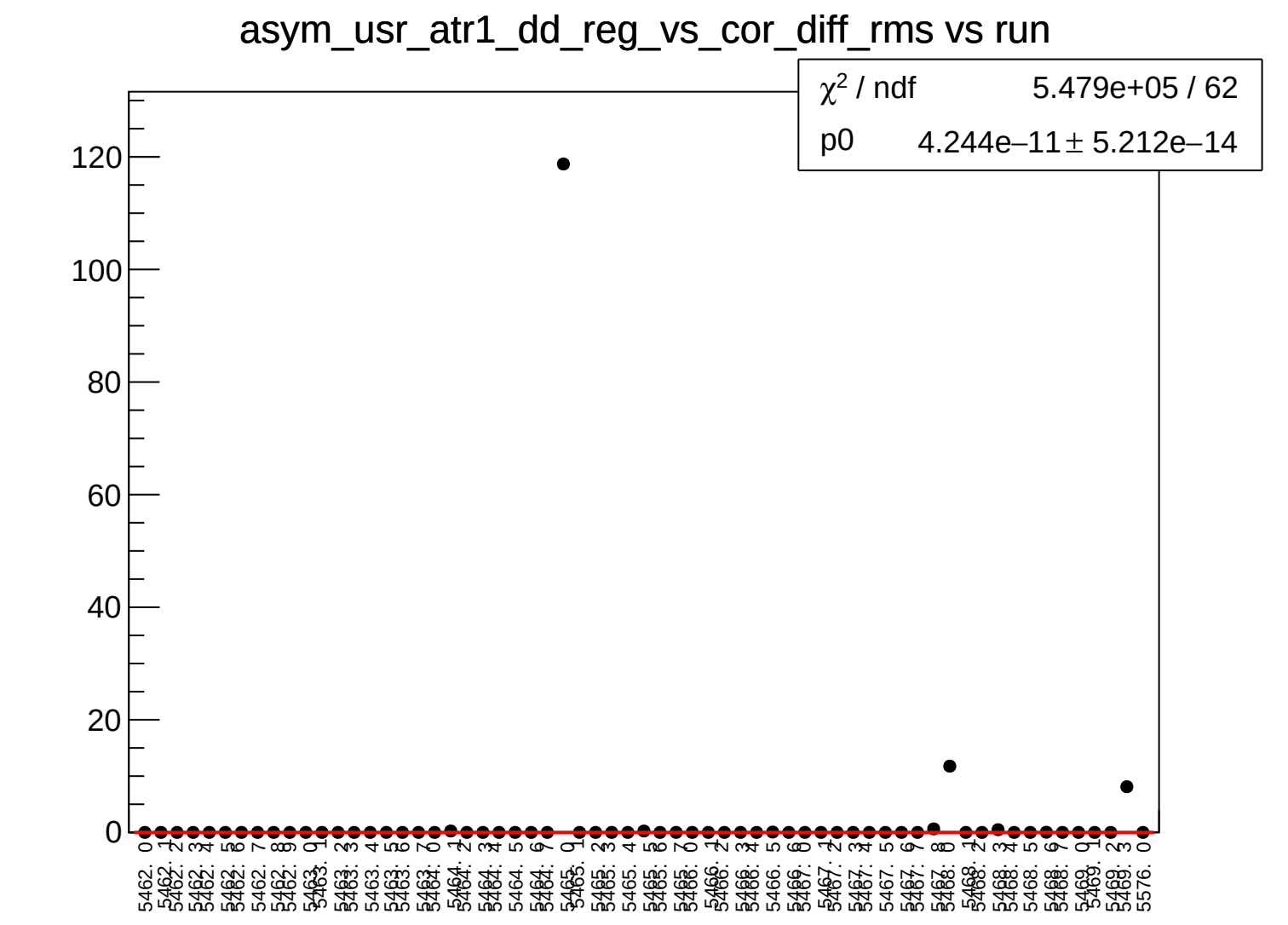

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 604.6 / 62
p0 879.8 ± 0.7998
920
900
880
860
840
820
800

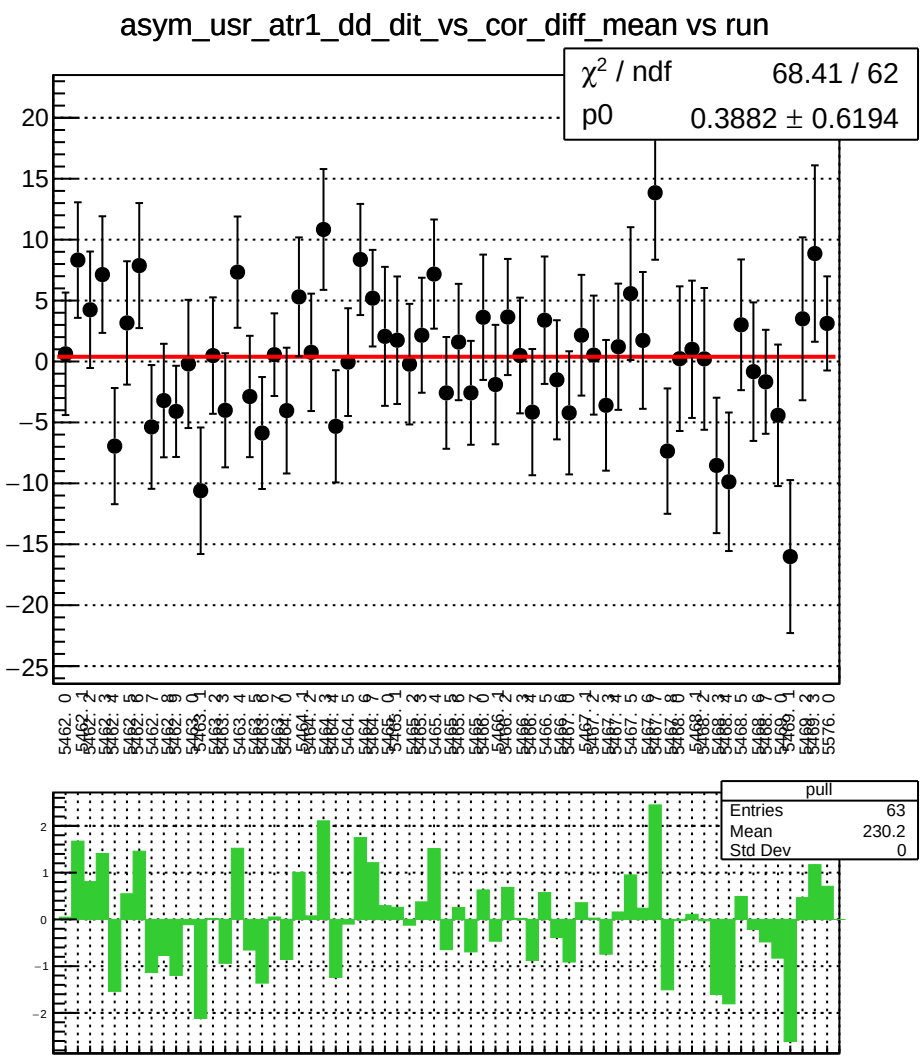

asym_usr_atr1_dd_mean vs run
×10^3
χ^2 / ndf 70.31 / 62
p0 2918 ± 2071
pull
Entries 63
Mean 57.44
Std Dev 0

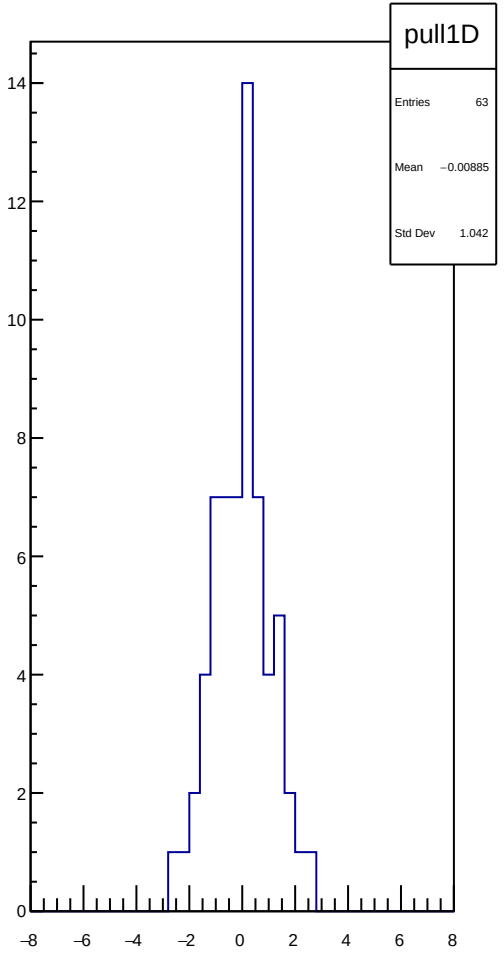

pull1D
Entries 63
Mean 0.03006
Std Dev 1.056

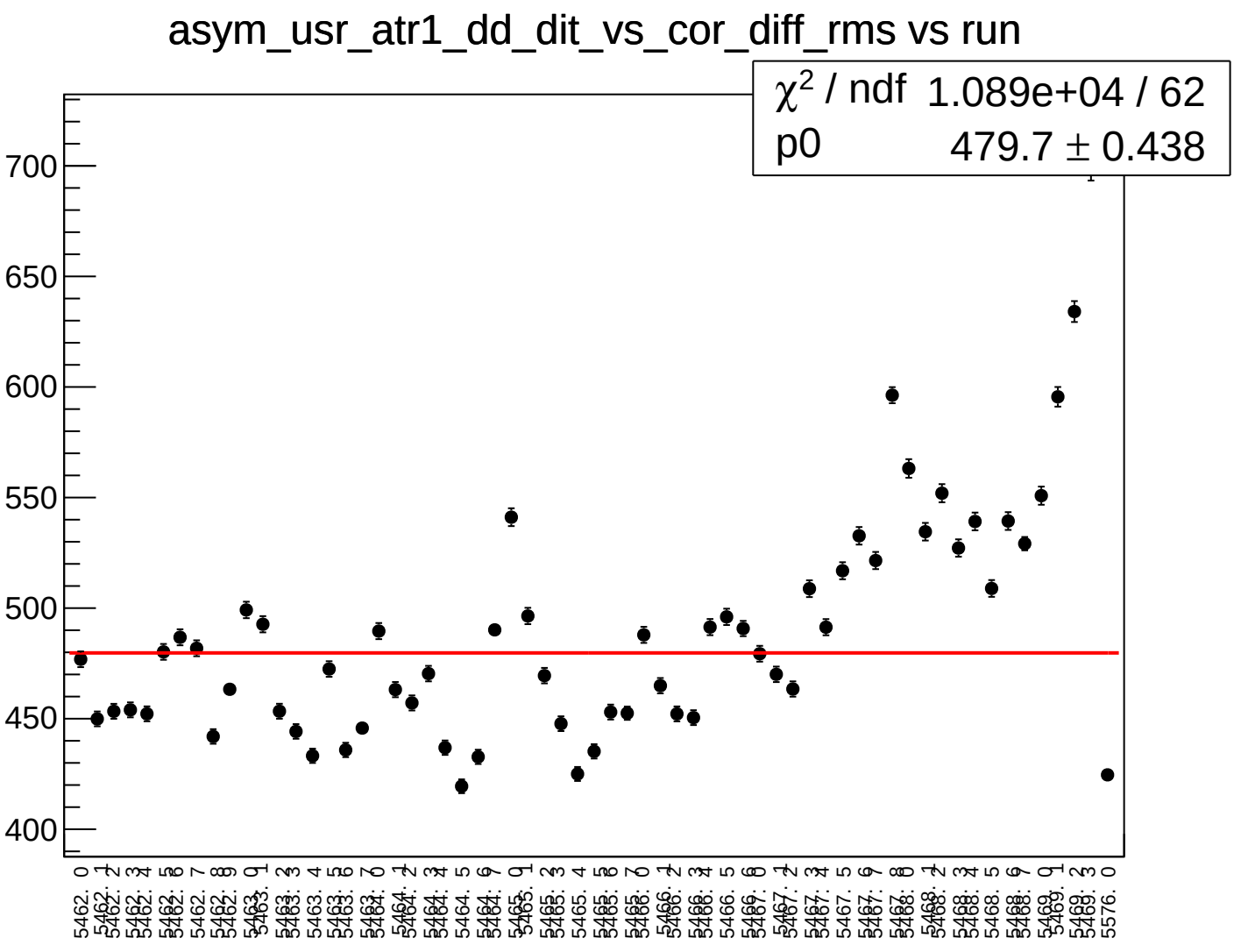

asym_usr_atr1_dd_rms vs run
χ^2 / ndf 9166 / 62
p0 1605 ± 1.464
5500
5000
4500
4000
3500
3000
2500
2000
1500

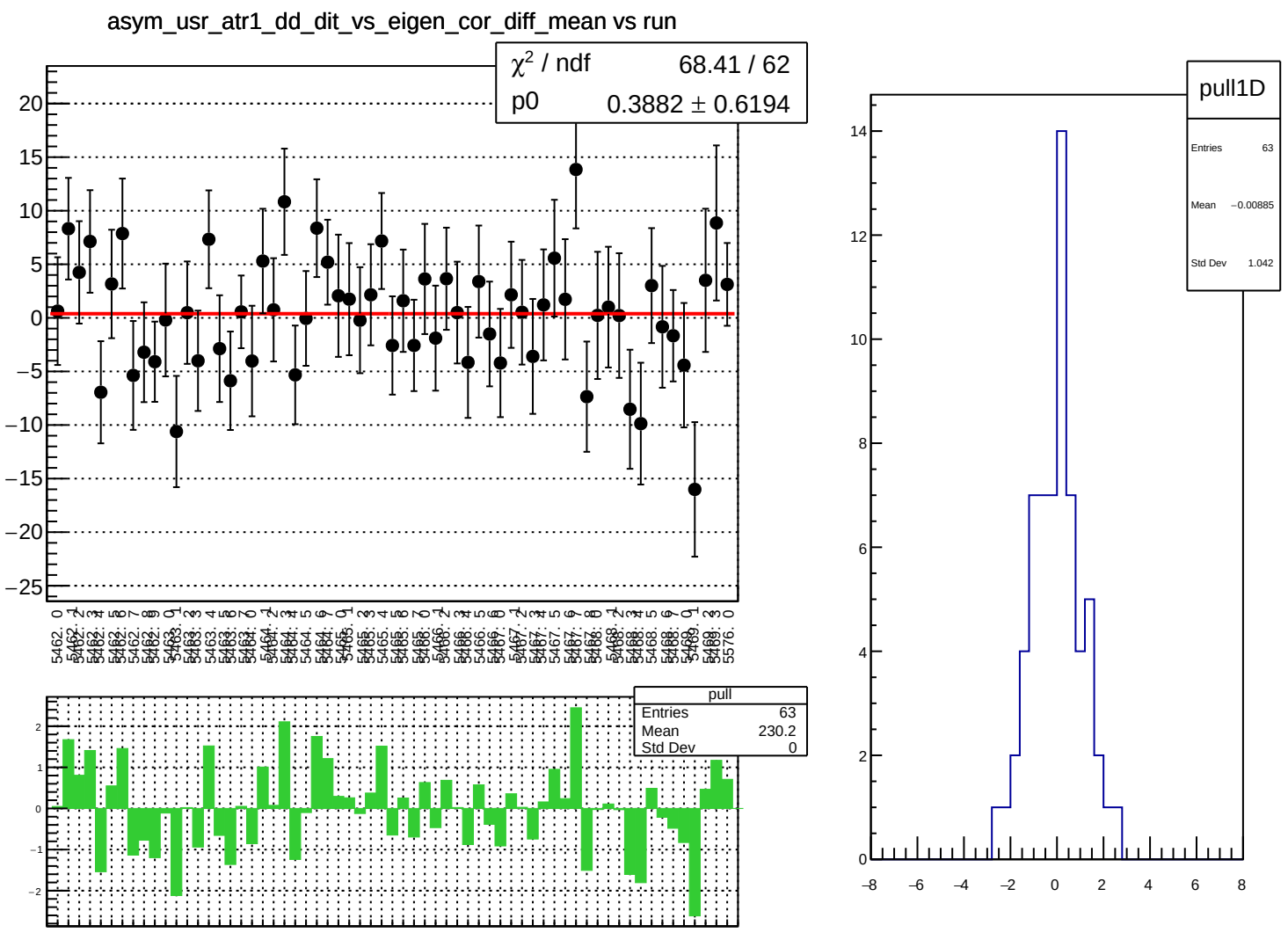

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.82 / 62
p0 −7.223e−14 ± 7.371e−14
pull
Entries 63
Mean 40.35
Std Dev 0
pull1D
Entries 63
Mean −0.01037
Std Dev 0.9662

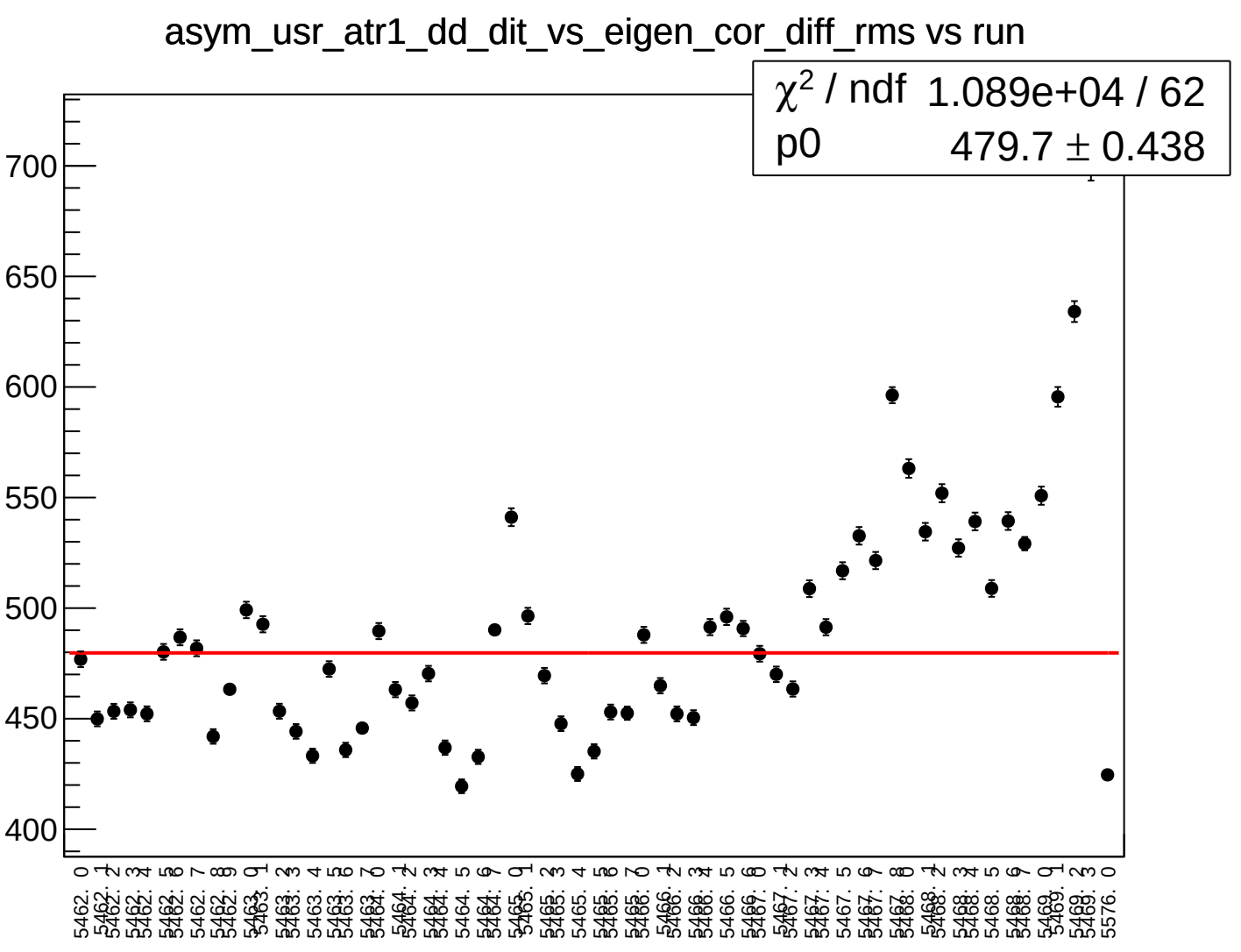

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.479e+05 / 62
p0 4.244e−11 ± 5.212e−14
120
100
80
60
40
20
0

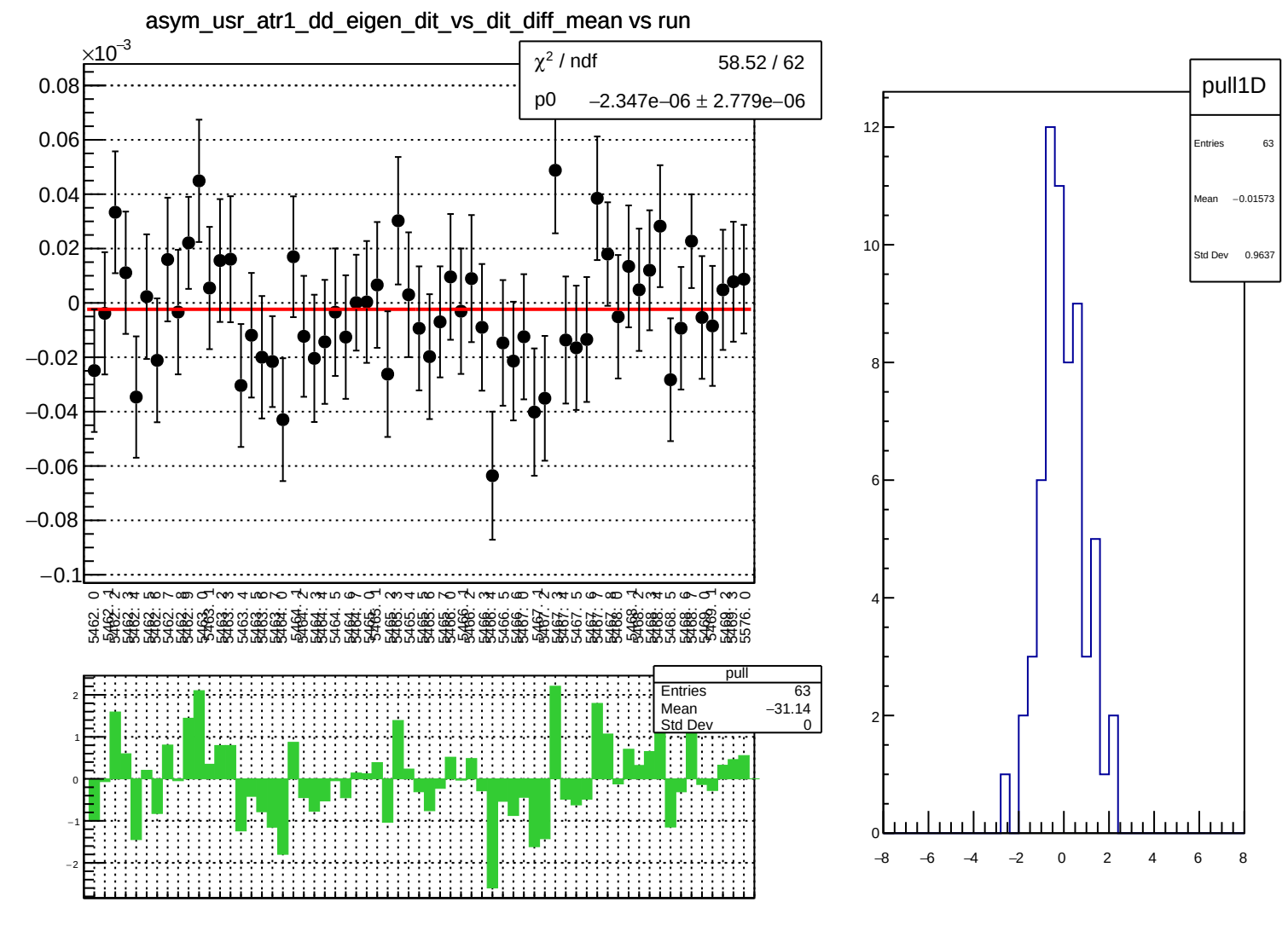

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.41 / 62
p0 0.3882 ± 0.6194
pull
Entries 63
Mean 230.2
Std Dev 0

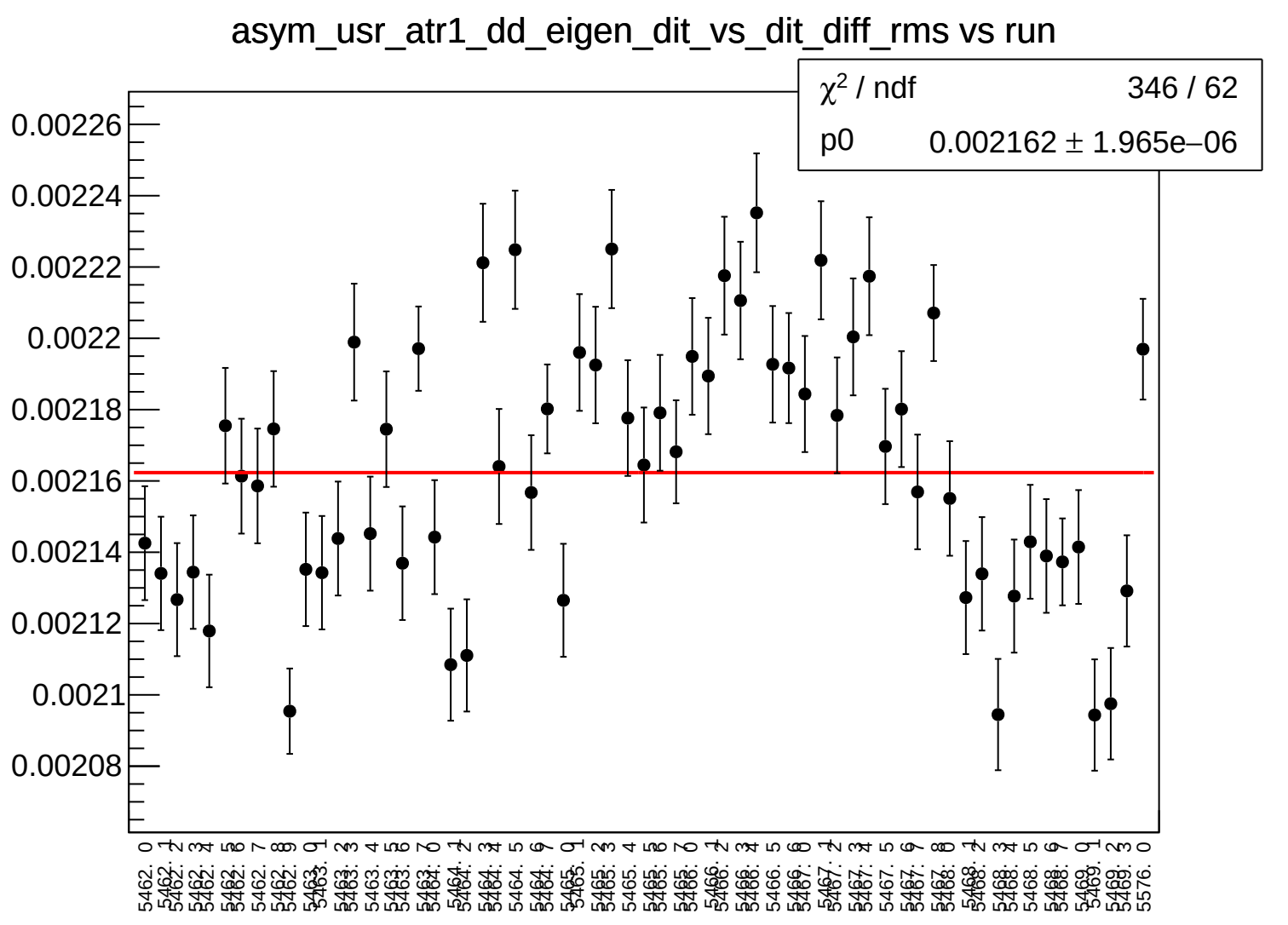

pull1D
Entries 63
Mean −0.00885
Std Dev 1.042

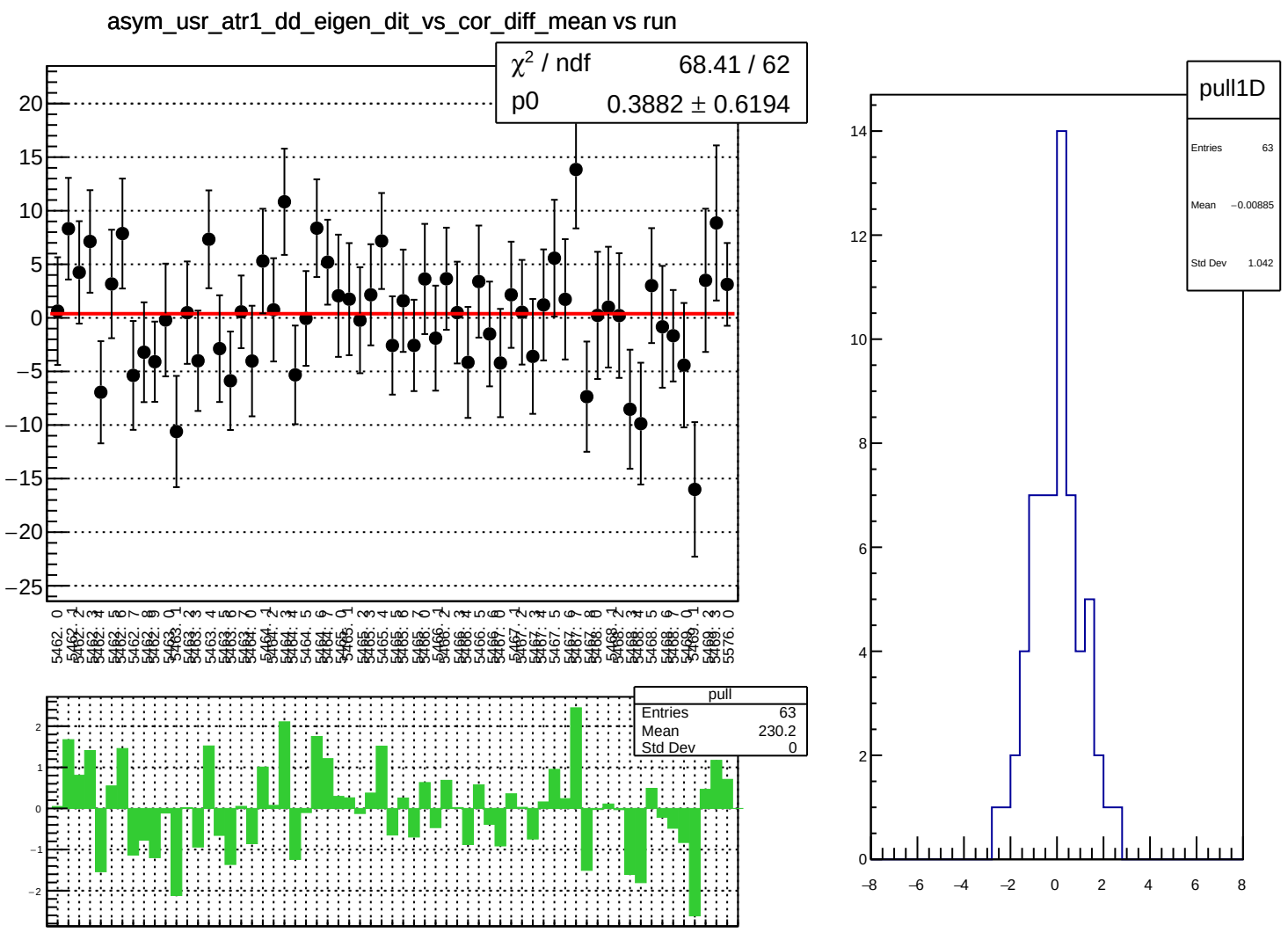

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.089e+04 / 62
p0 479.7 ± 0.438
700
650
600
550
500
450
400

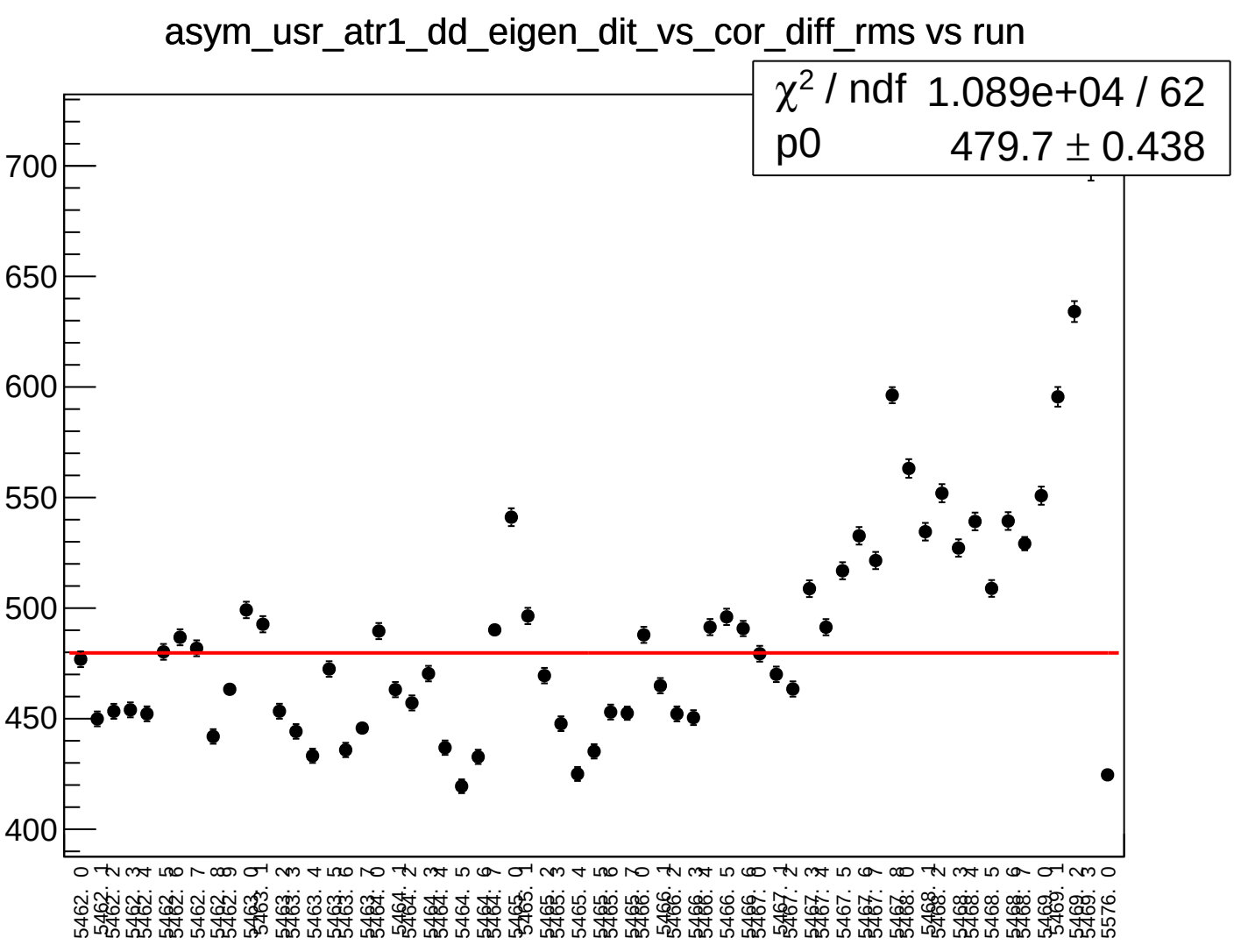

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.41 / 62
p0 0.3882 ± 0.6194
pull
Entries 63
Mean 230.2
Std Dev 0
pull1D
Entries 63
Mean −0.00885
Std Dev 1.042

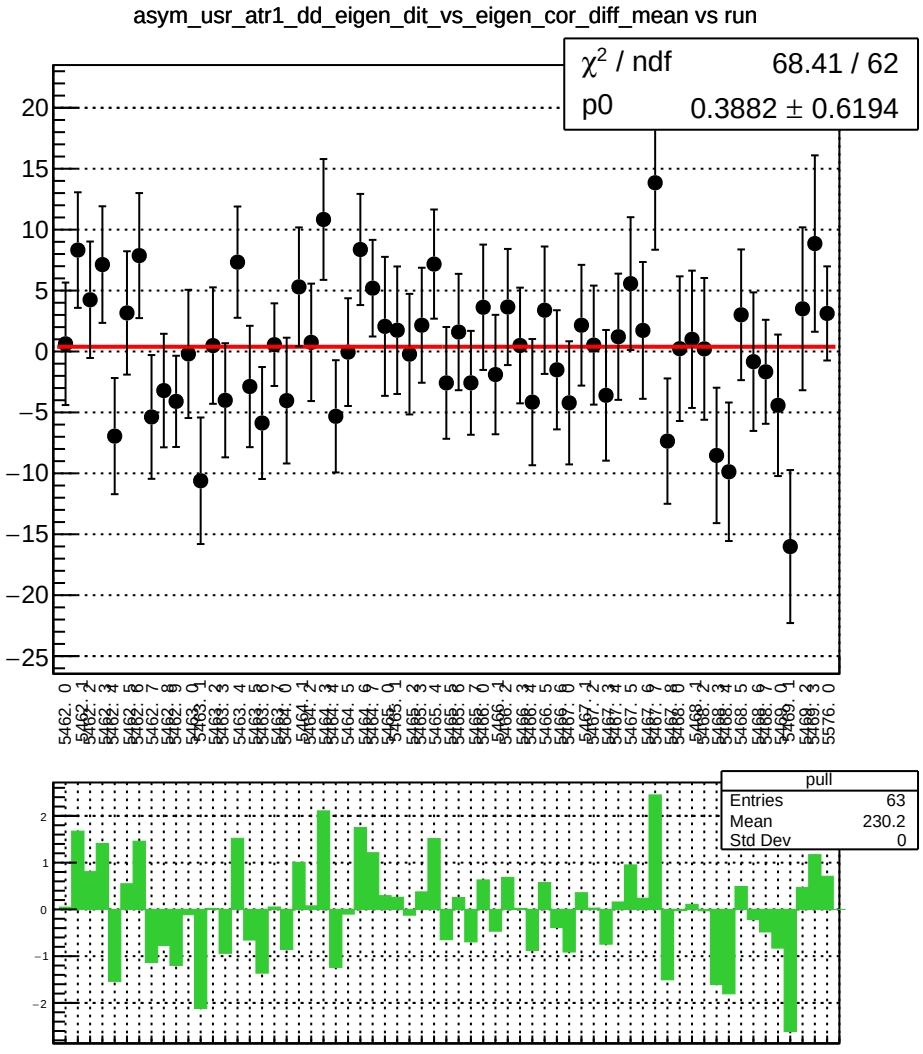

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.089e+04 / 62
p0 479.7 ± 0.438
700
650
600
550
500
450
400

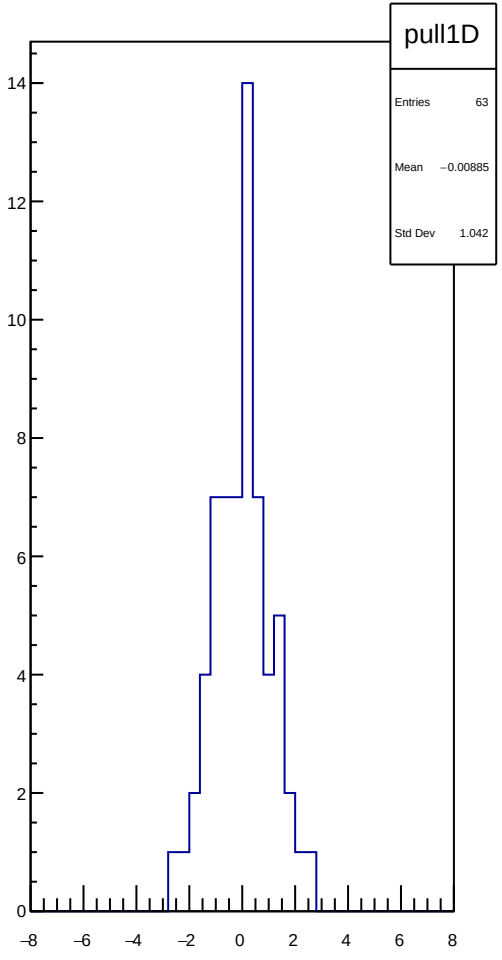

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.52 / 62
p0 −2.347e−06 ± 2.779e−06
pull
Entries 63
Mean −31.14
Std Dev 0
pull1D
Entries 63
Mean −0.01573
Std Dev 0.9637

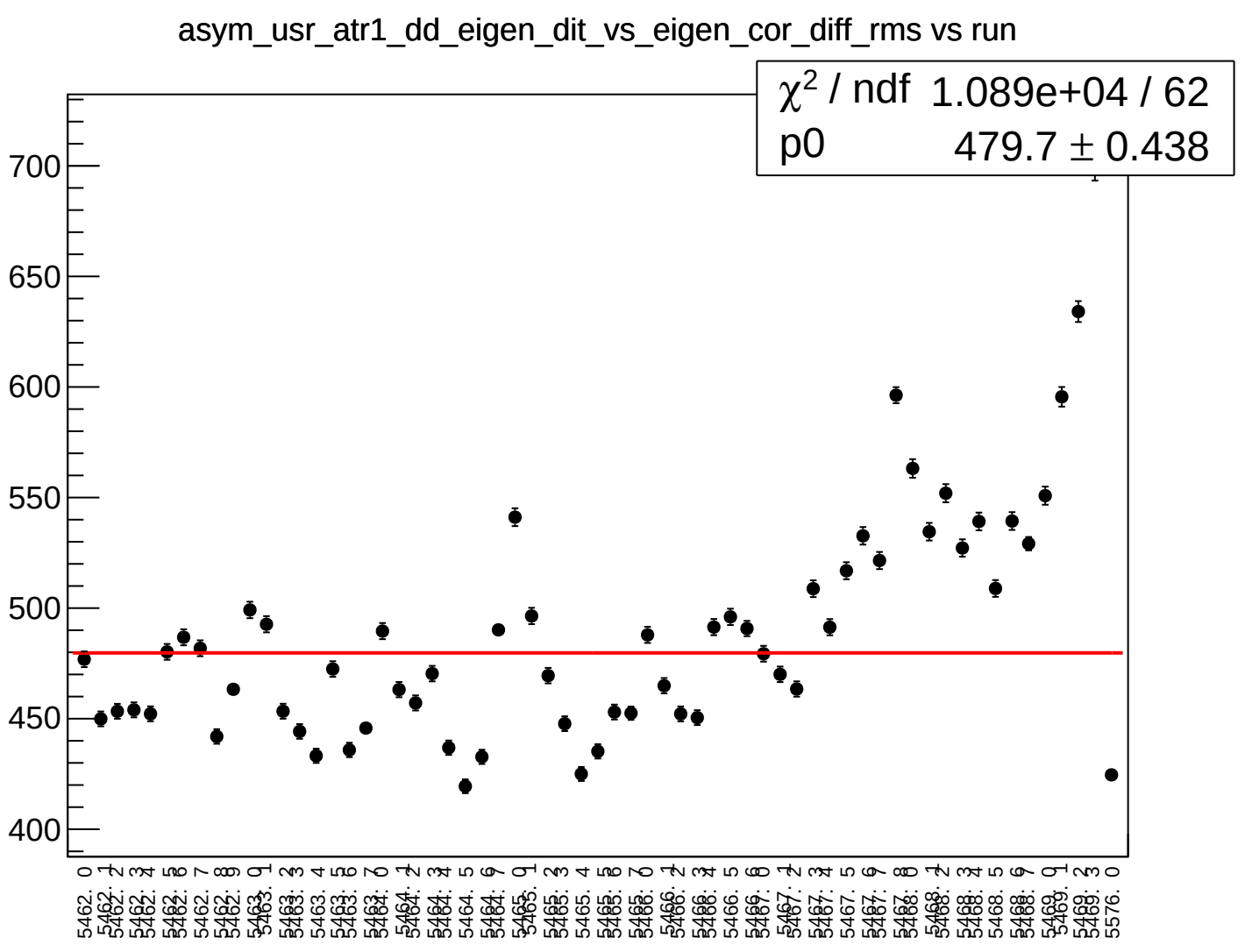

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 346 / 62
p0 0.002162 ± 1.965e−06
0.00226
0.00224
0.00222
0.0022
0.00218
0.00216
0.00214
0.00212
0.0021
0.00208

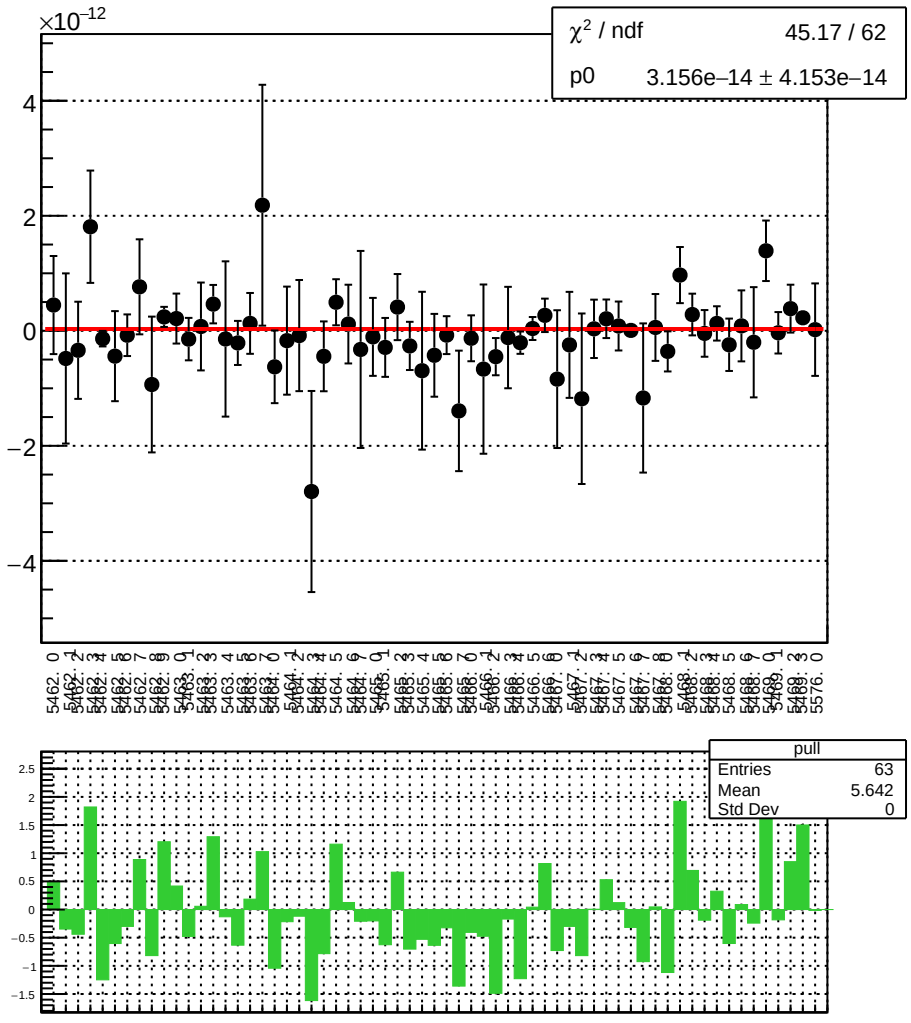

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.41 / 62
p0 0.3882 ± 0.6194
pull
Entries 63
Mean 230.2
Std Dev 0
pull1D
Entries 63
Mean −0.00885
Std Dev 1.042

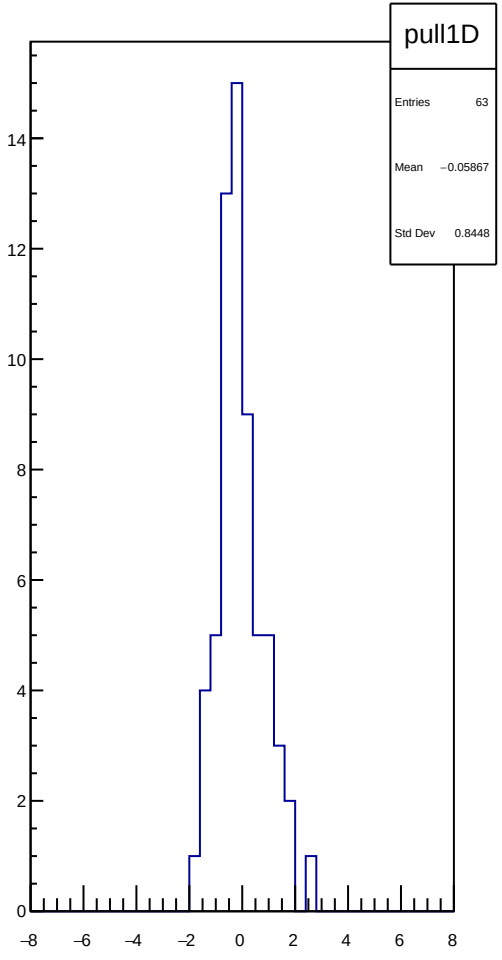

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.089e+04 / 62
p0 479.7 ± 0.438
700
650
600
550
500
450
400

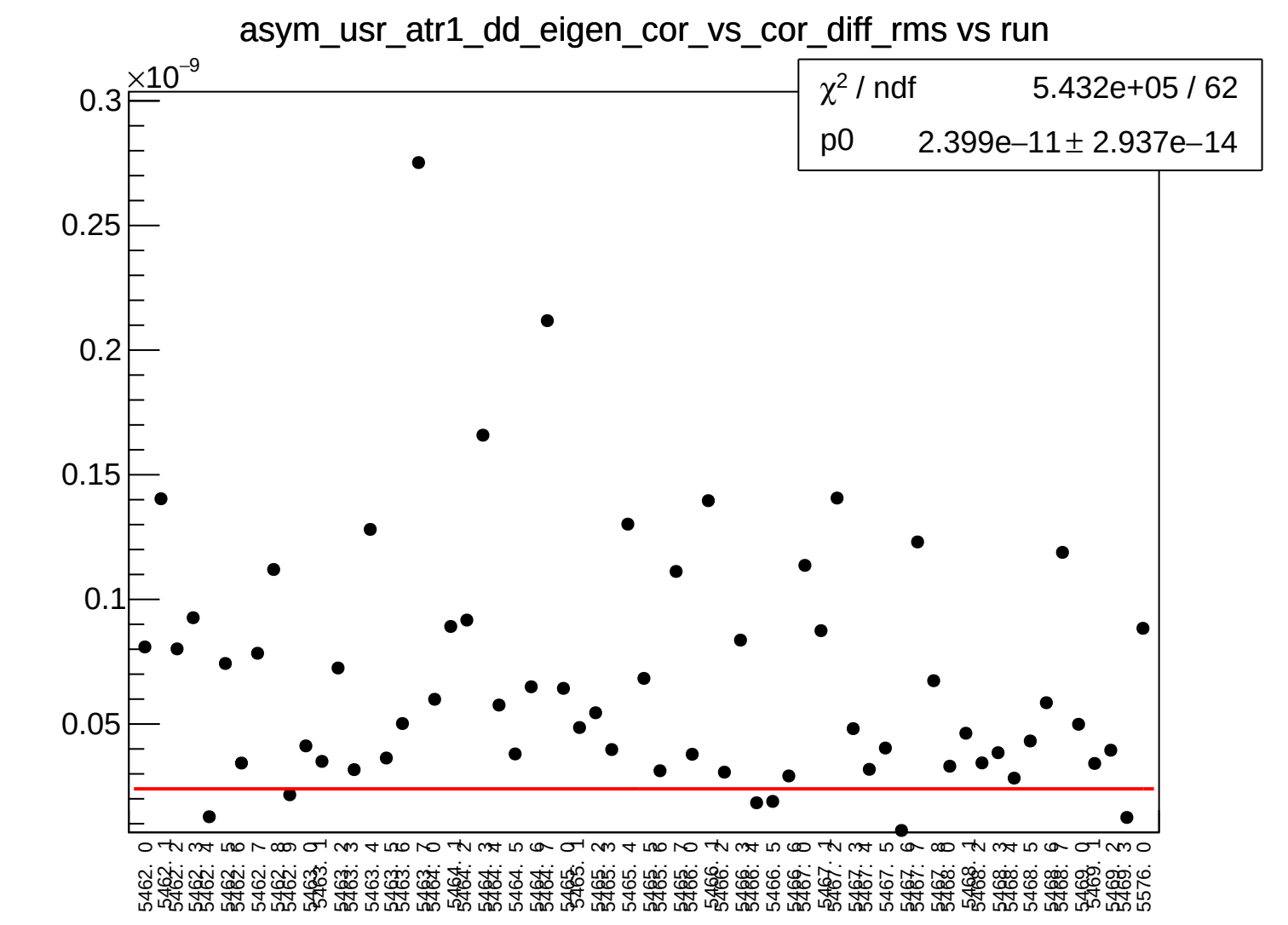

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.41 / 62
p0 0.3882 ± 0.6194
pull
Entries 63
Mean 230.2
Std Dev 0

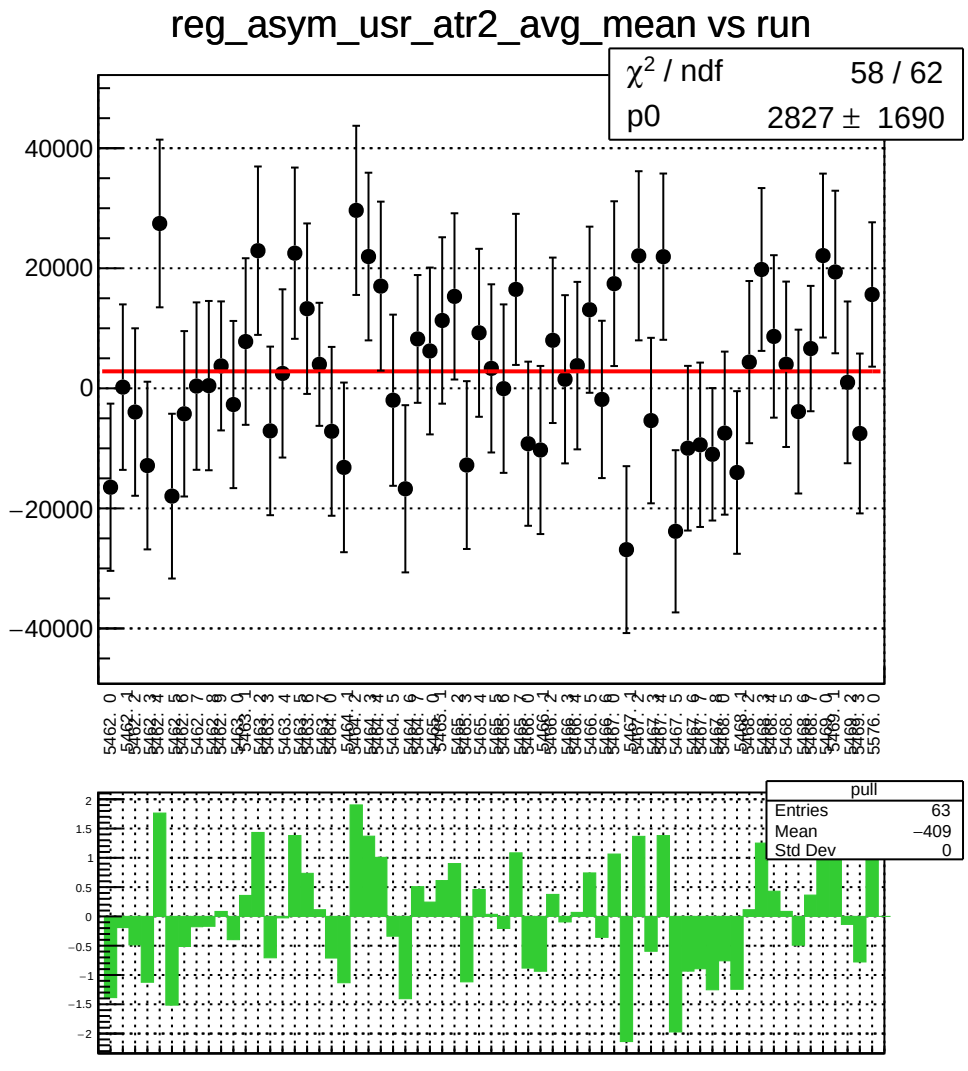

pull1D
Entries 63
Mean −0.00885
Std Dev 1.042

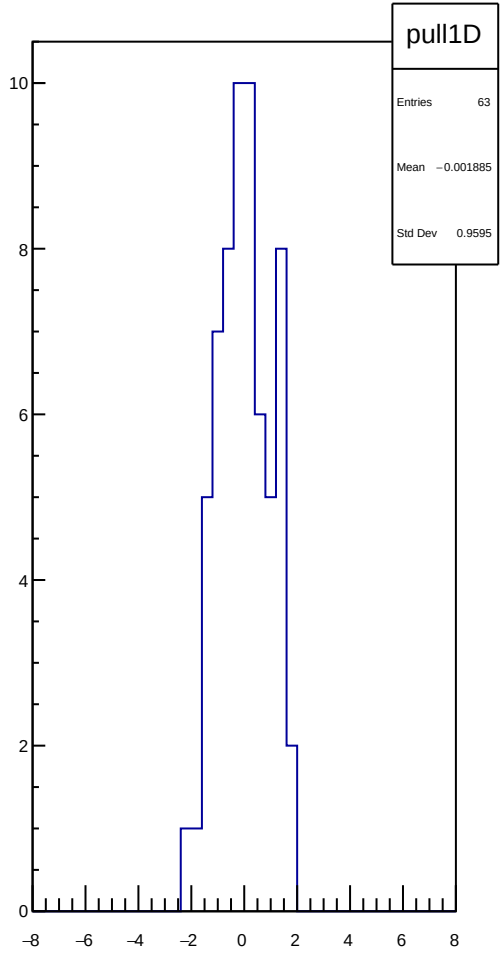

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.089e+04 / 62
p0 479.7 ± 0.438
700
650
600
550
500
450
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

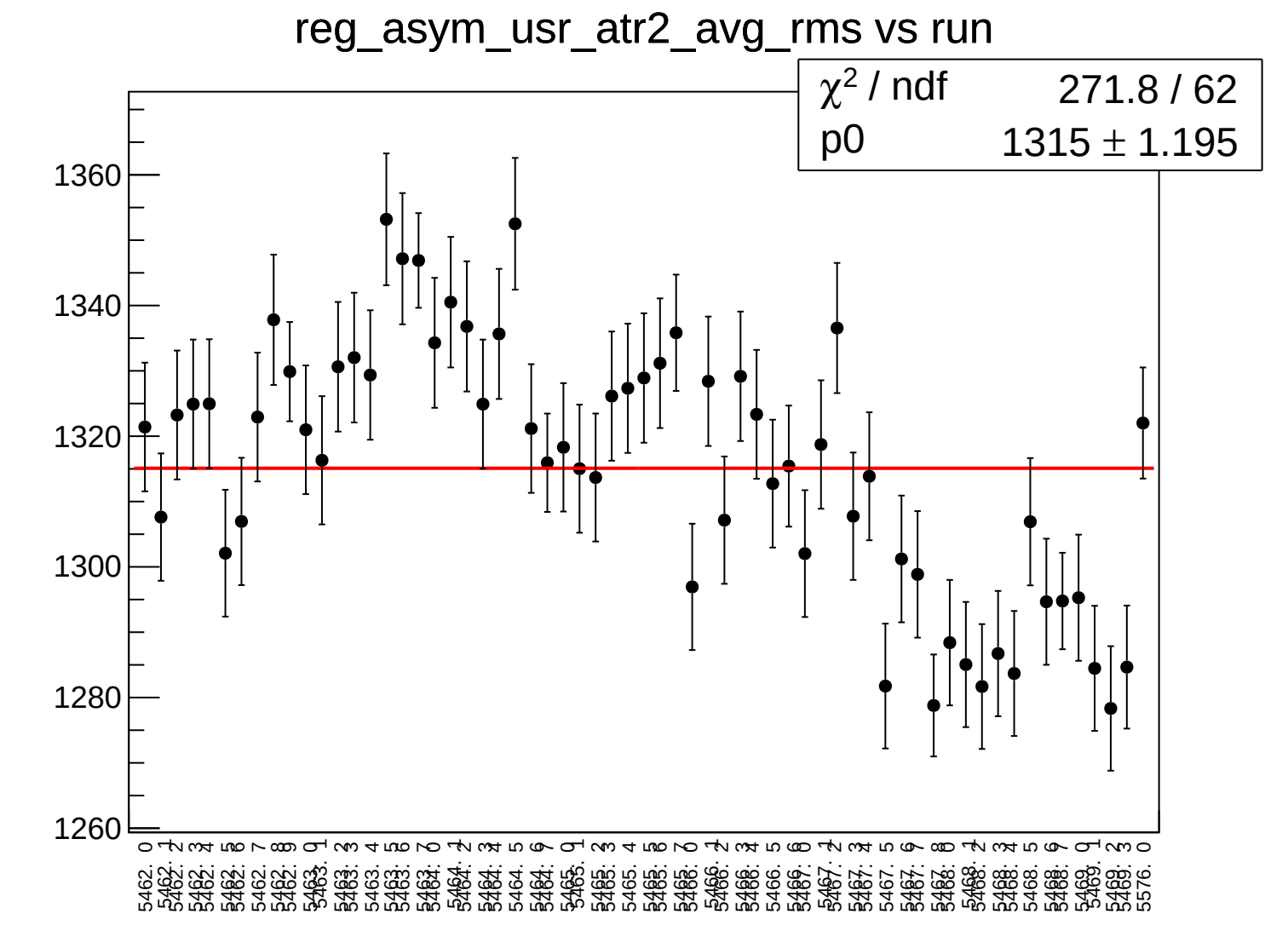

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.17 / 62
p0 3.156e−14 ± 4.153e−14
pull
Entries 63
Mean 5.642
Std Dev 0

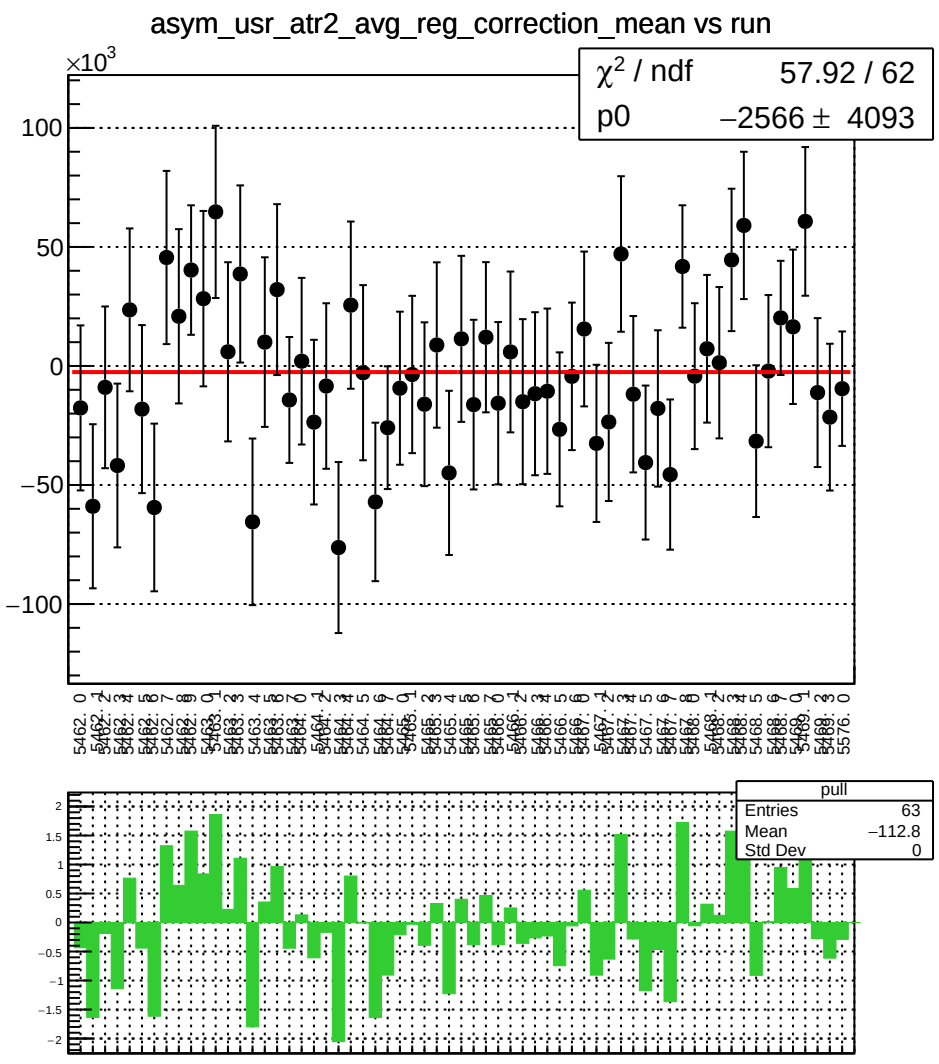

pull1D
Entries 63
Mean −0.05867
Std Dev 0.8448

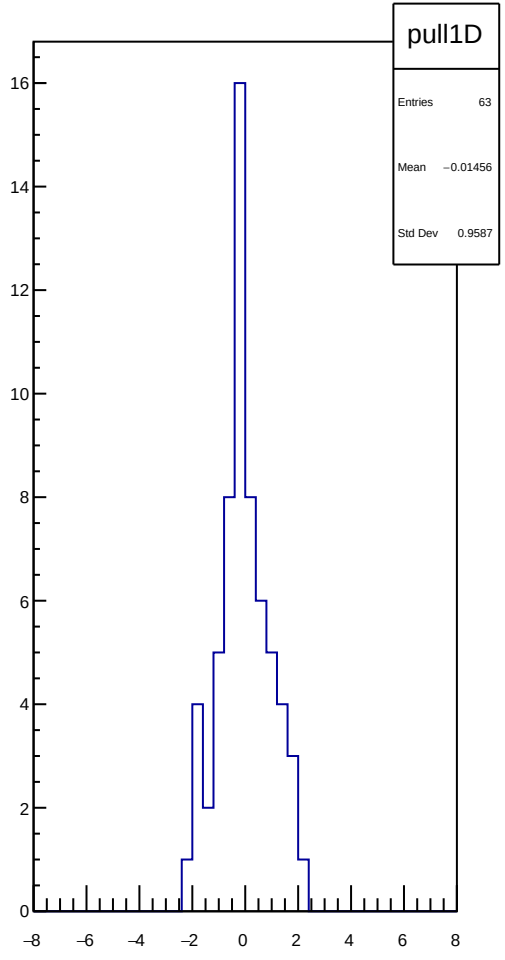

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 5.432e+05 / 62
p0 2.399e−11 ± 2.937e−14

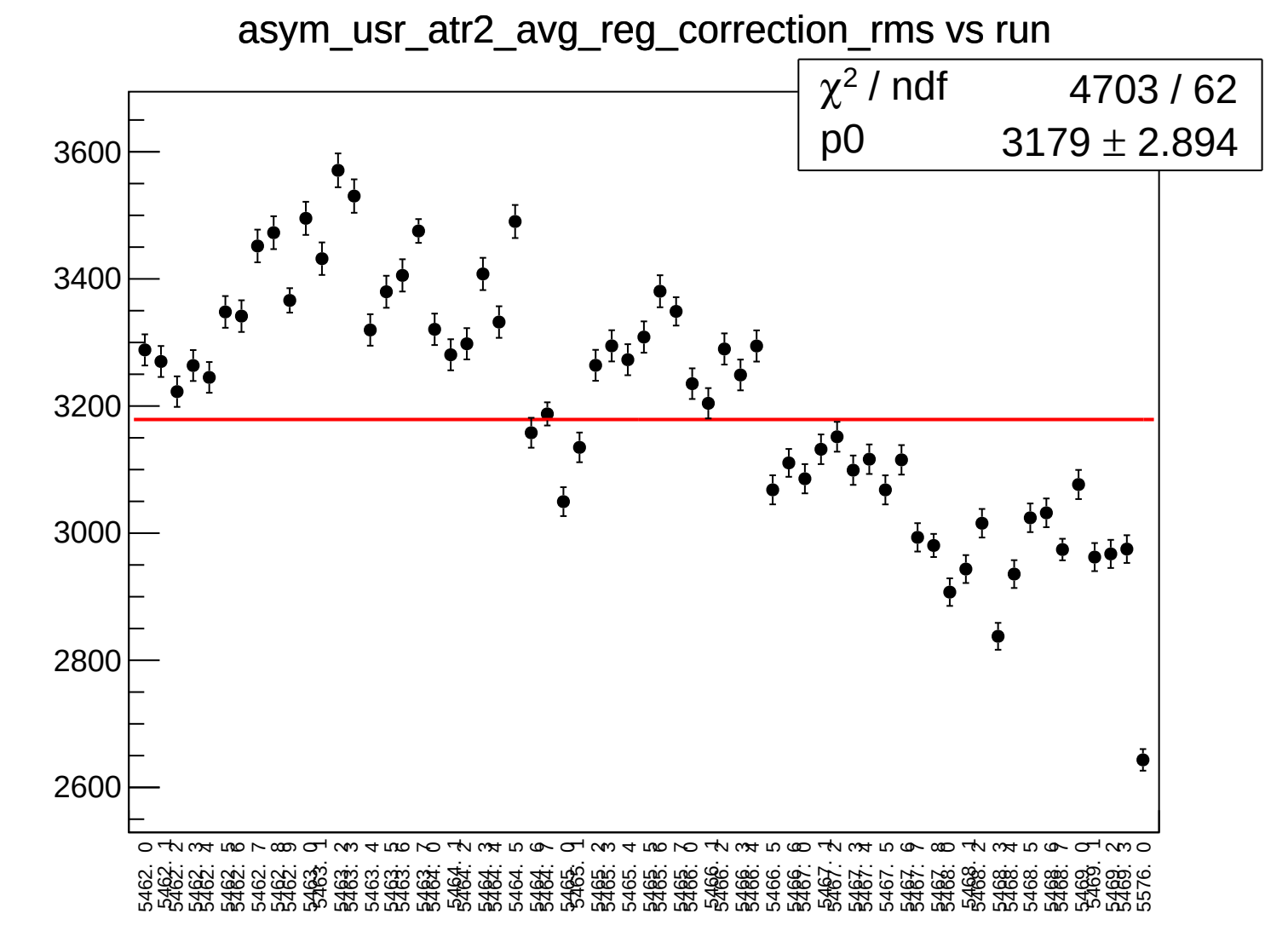

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 58 / 62
p0 2827 ± 1690
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −409
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

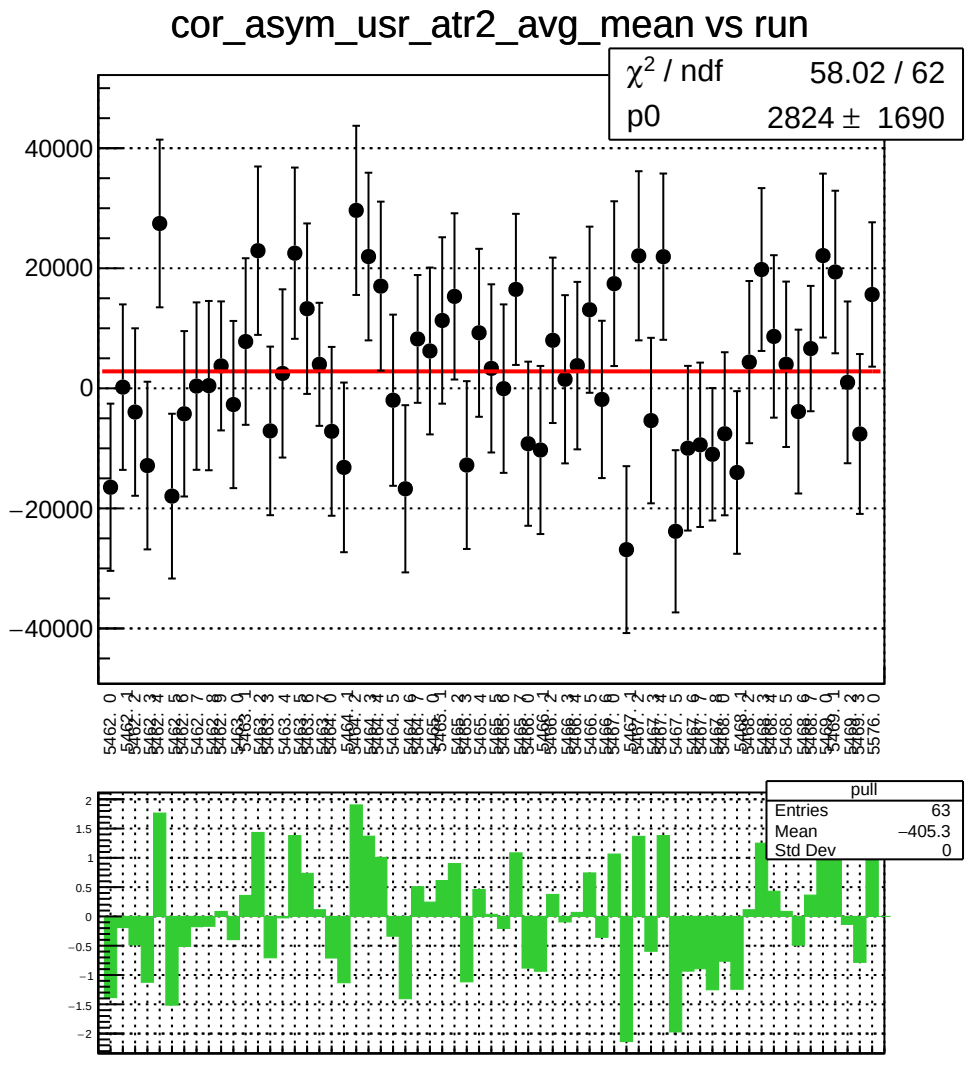

pull1D
Entries 63
Mean −0.001885
Std Dev 0.9595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

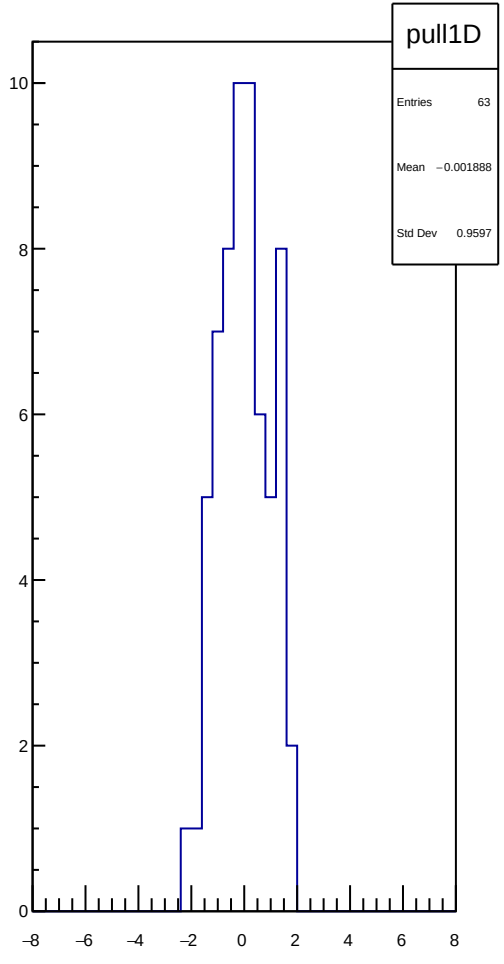

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 271.8 / 62
p0 1315 ± 1.195
1360
1340
1320
1300
1280
1260

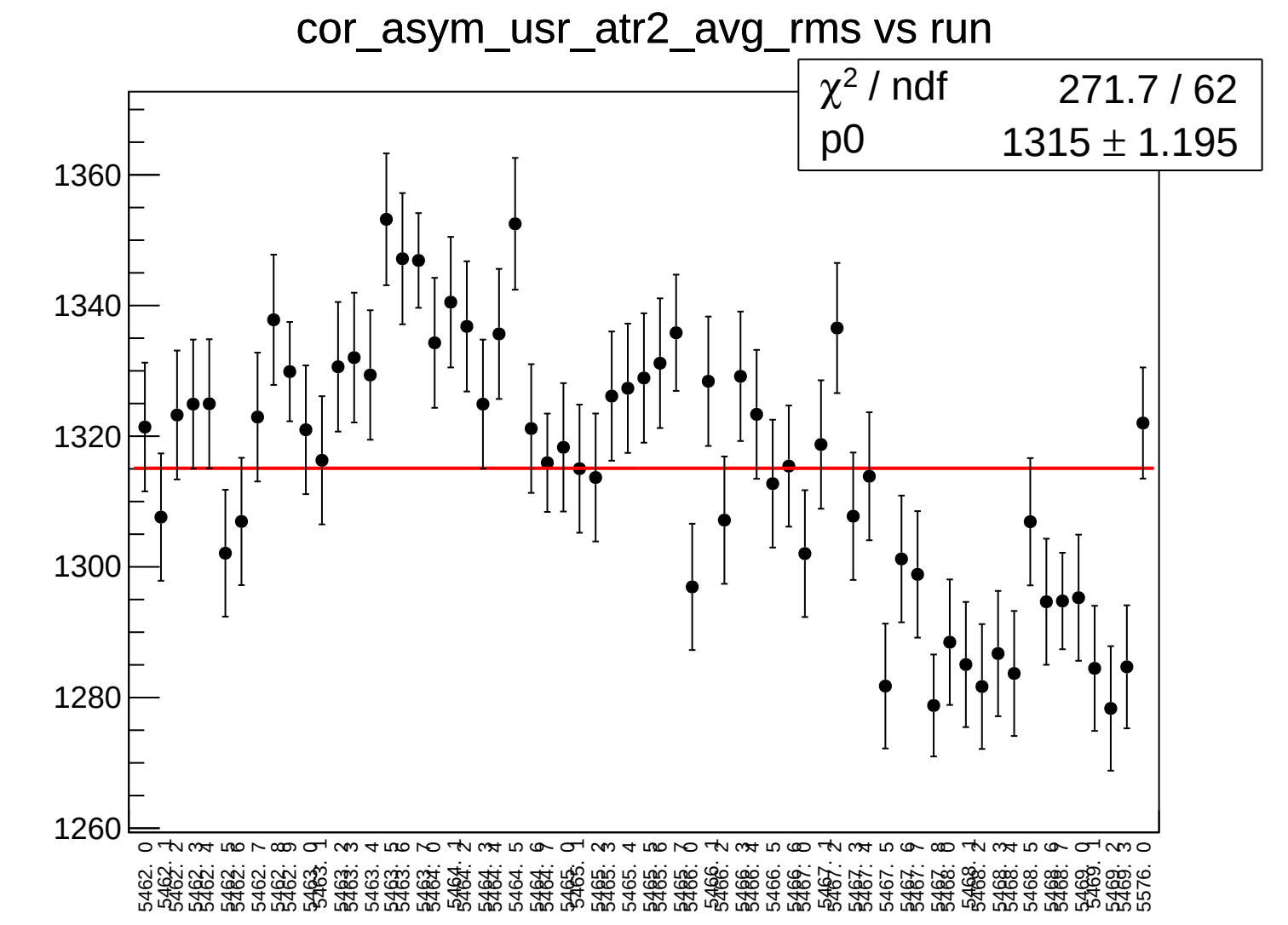

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 57.92 / 62
p0 −2566 ± 4093
100
50
0
−50
−100
pull
Entries 63
Mean −112.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

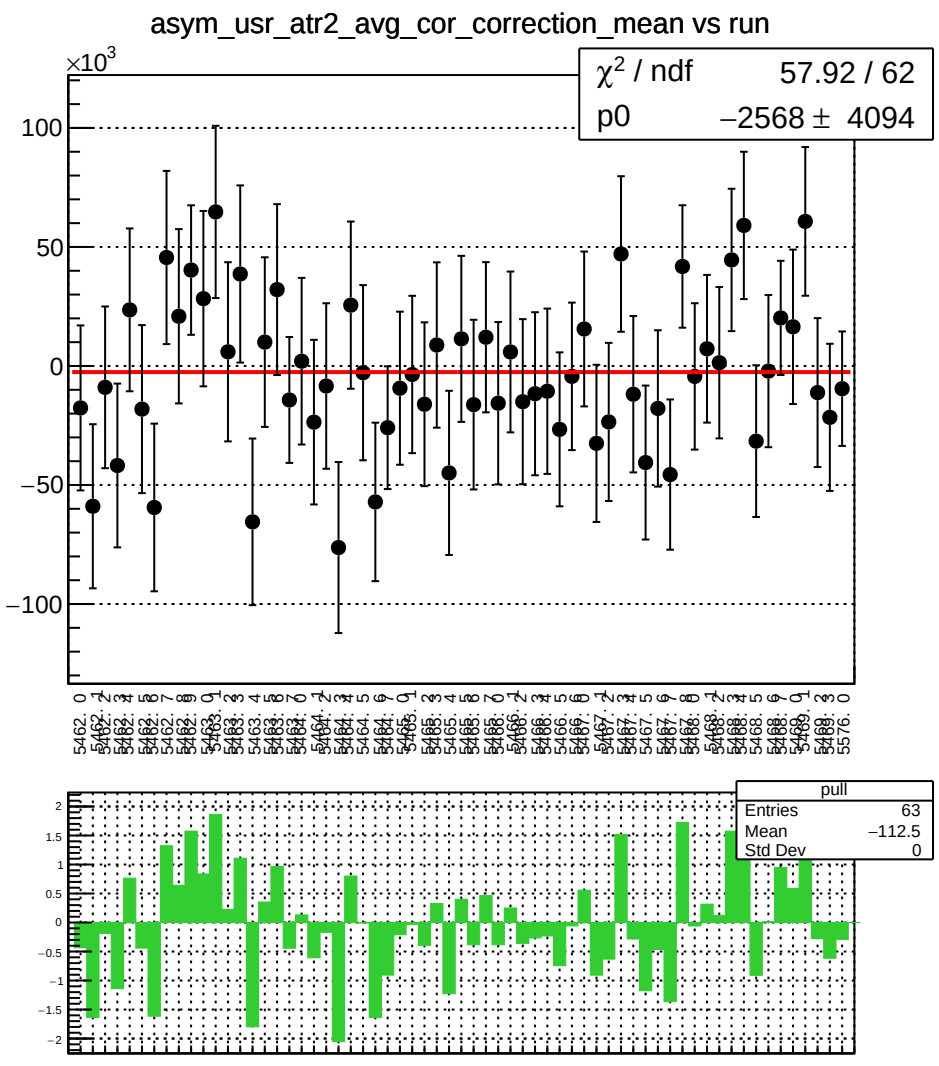

pull1D
Entries 63
Mean −0.01456
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

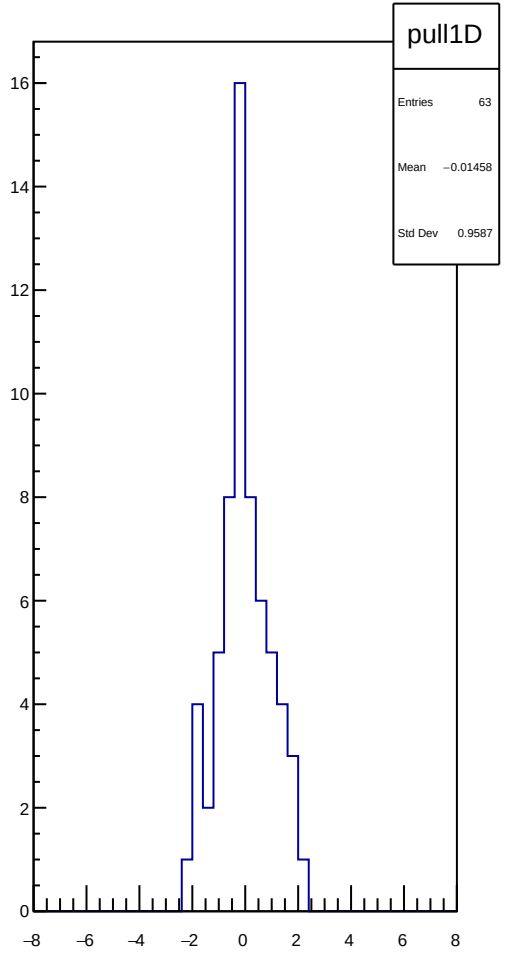

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 4703 / 62
p0 3179 ± 2.894
3600
3400
3200
3000
2800
2600

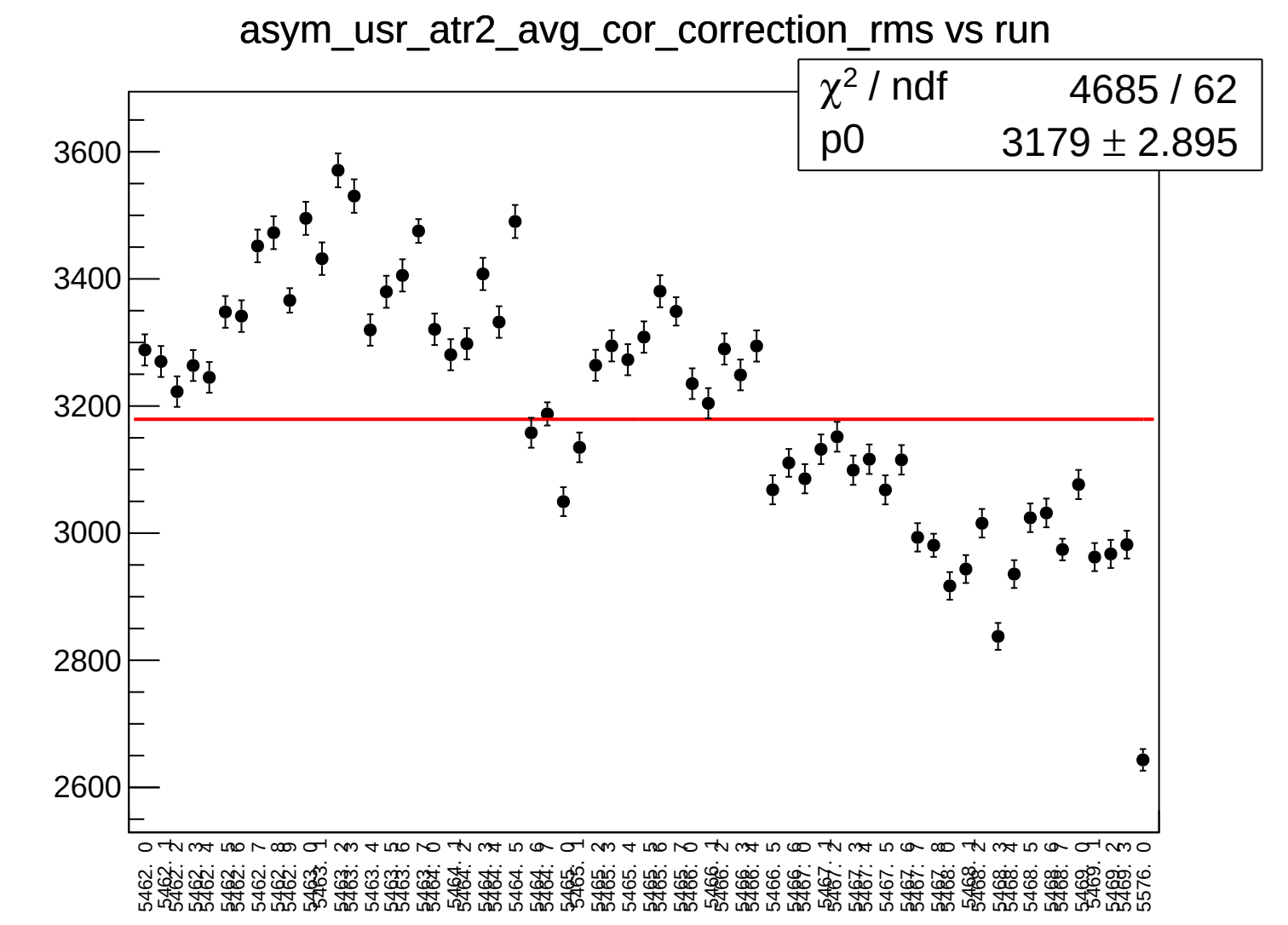

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.02 / 62
p0 2824 ± 1690
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −405.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

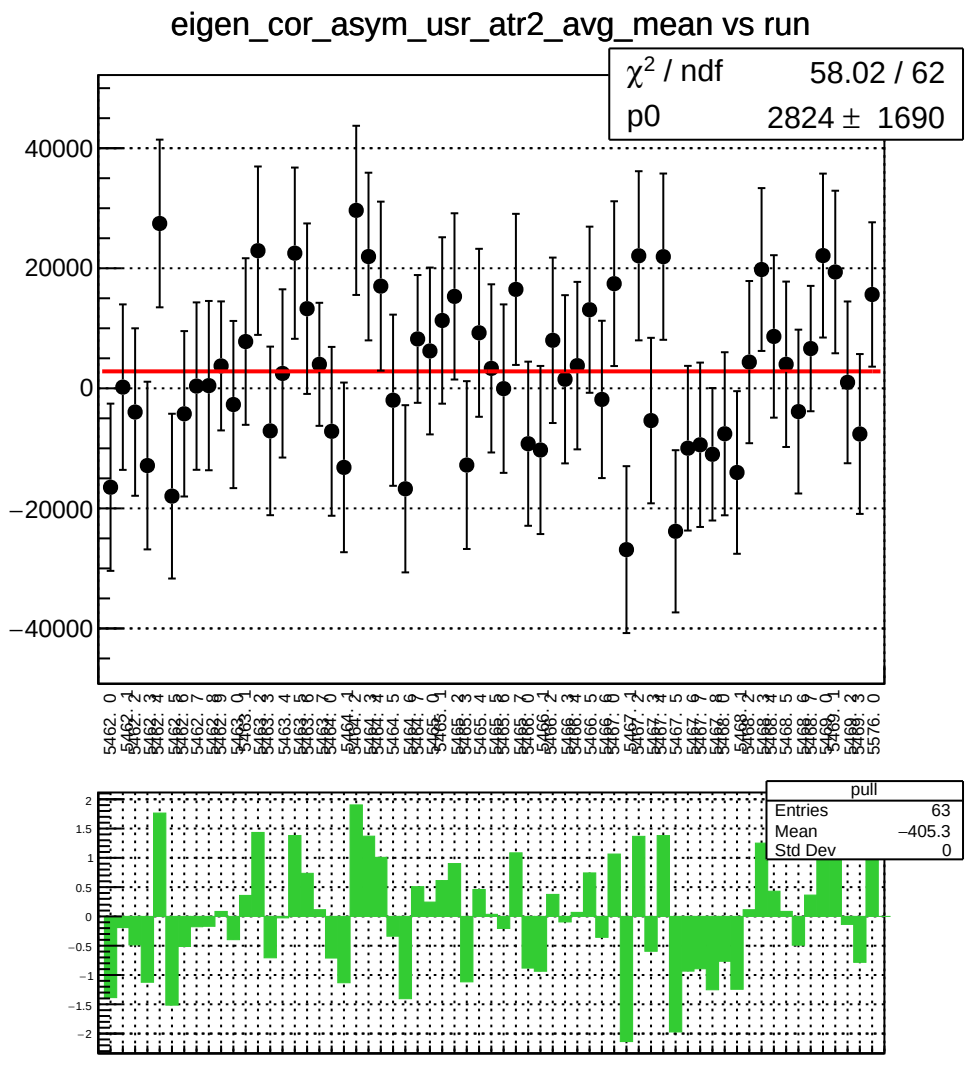

pull1D
Entries 63
Mean −0.001888
Std Dev 0.9597
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

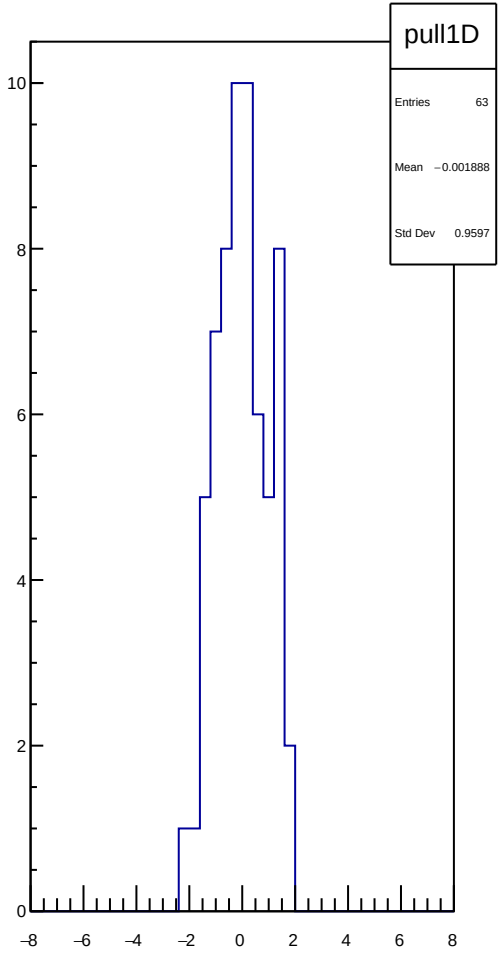

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 271.7 / 62
p0 1315 ± 1.195
1360
1340
1320
1300
1280
1260

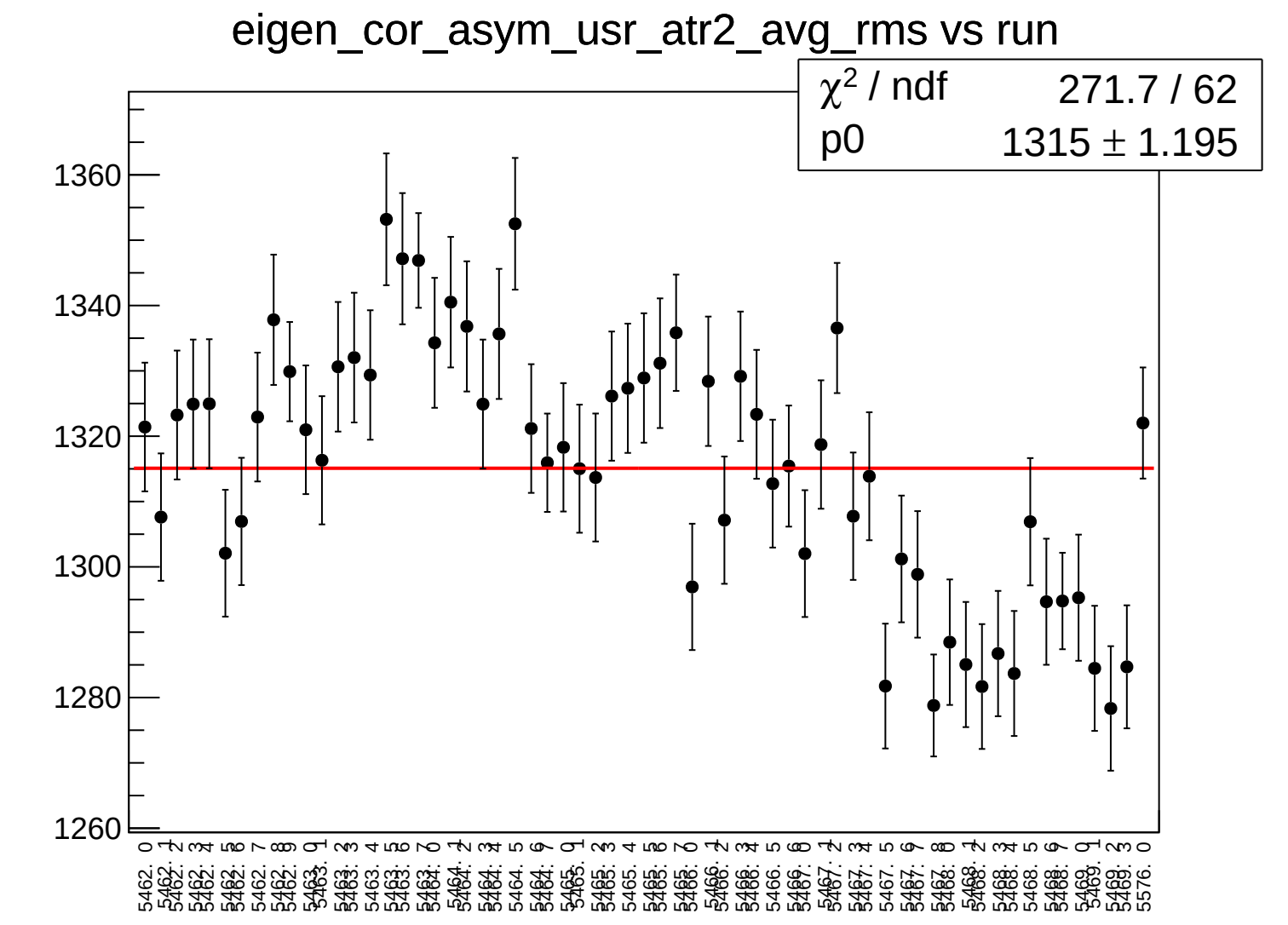

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 57.92 / 62
p0 −2568 ± 4094
100
50
0
−50
−100
pull
Entries 63
Mean −112.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

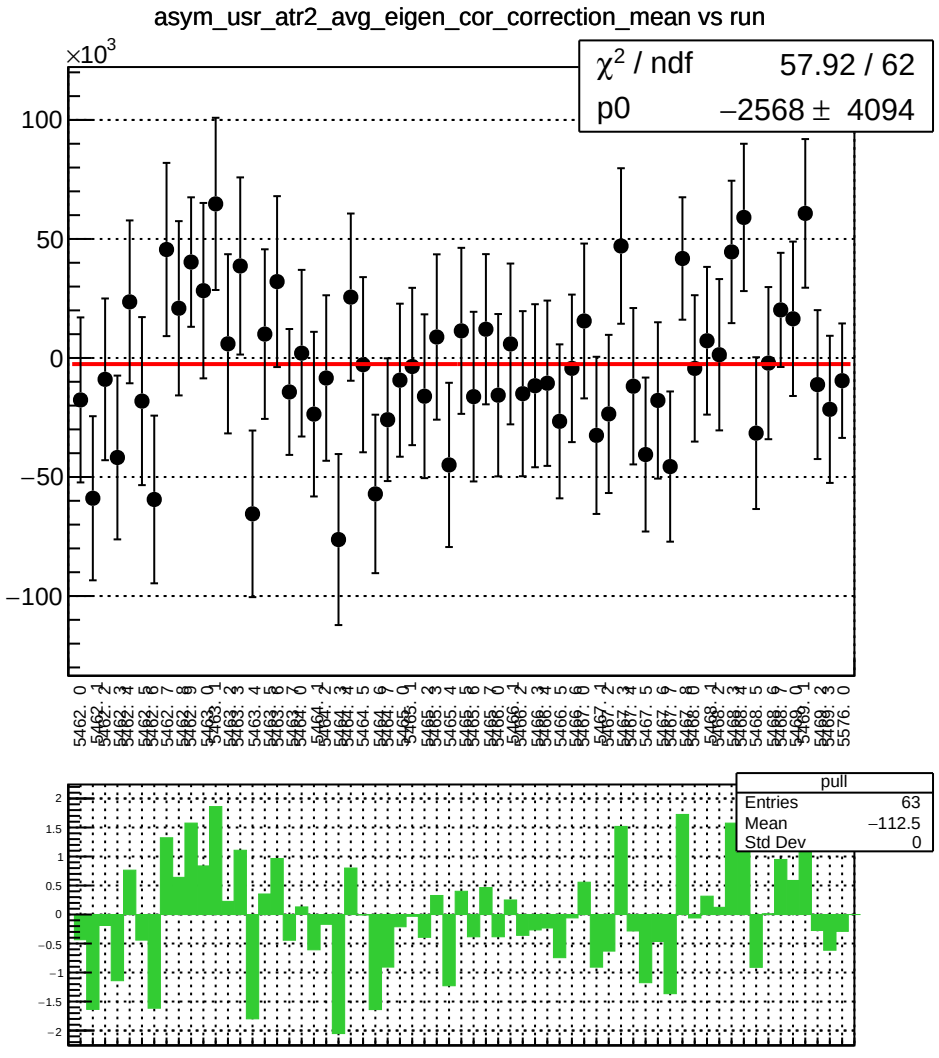

pull1D
Entries 63
Mean −0.01458
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

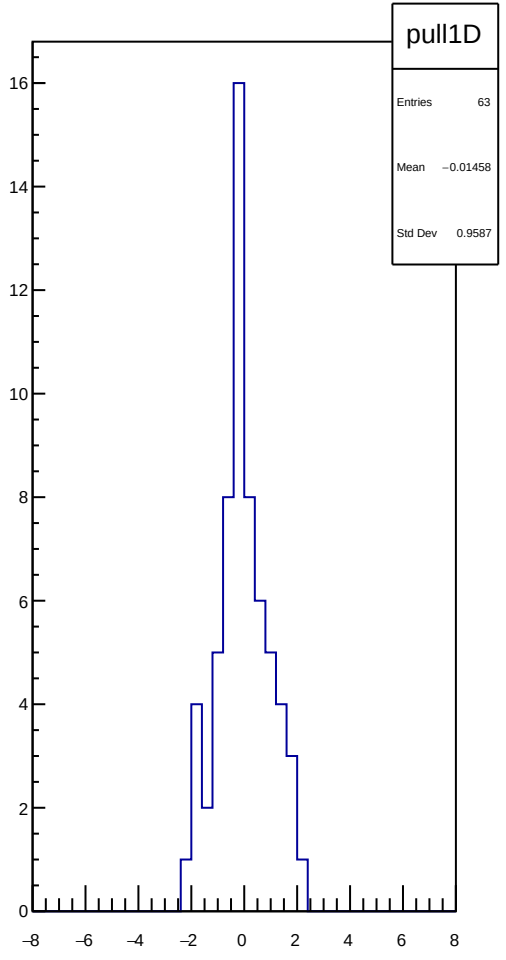

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 4685 / 62
p0 3179 ± 2.895
3600
3400
3200
3000
2800
2600

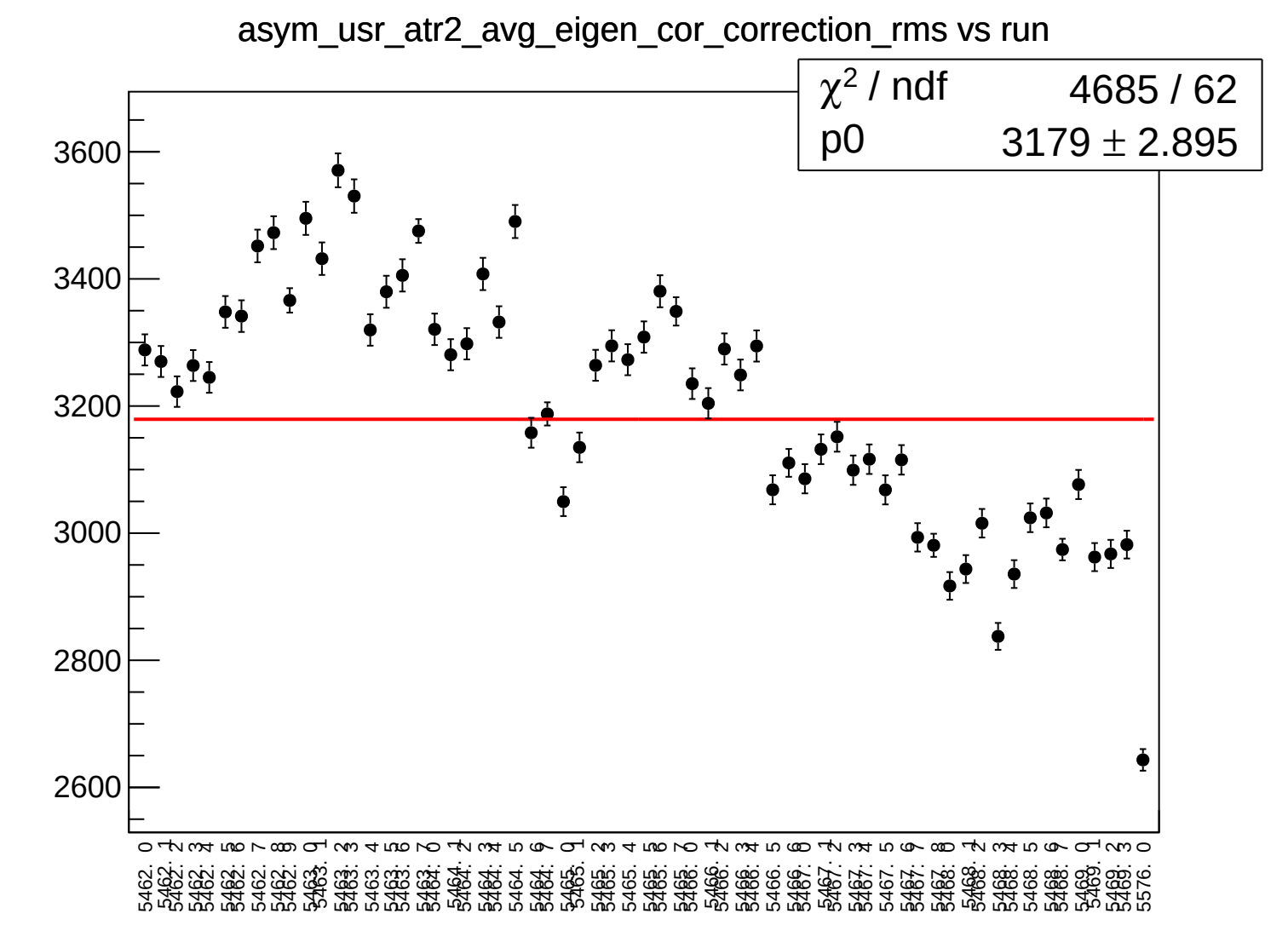

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 58.02 / 62
p0 2824 ± 1690
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −405.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

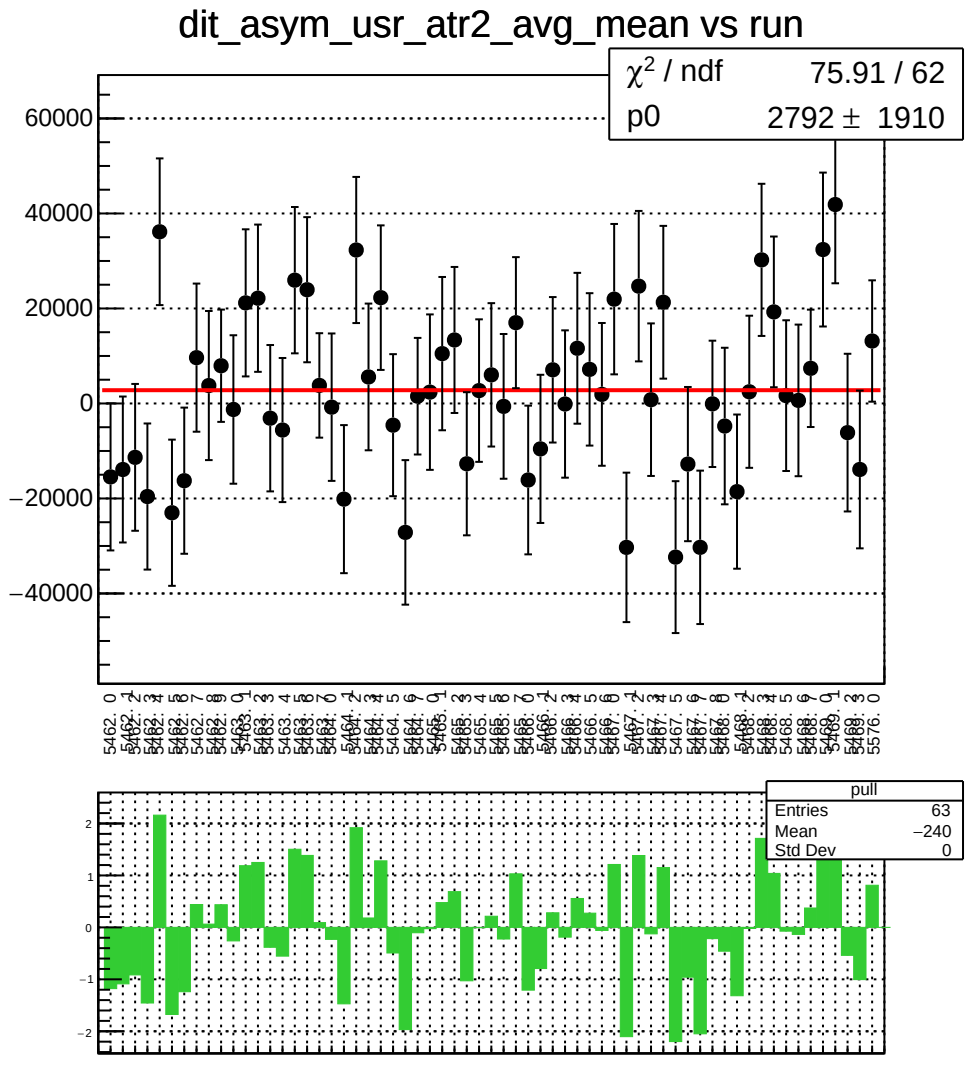

pull1D
Entries 63
Mean −0.001888
Std Dev 0.9597
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

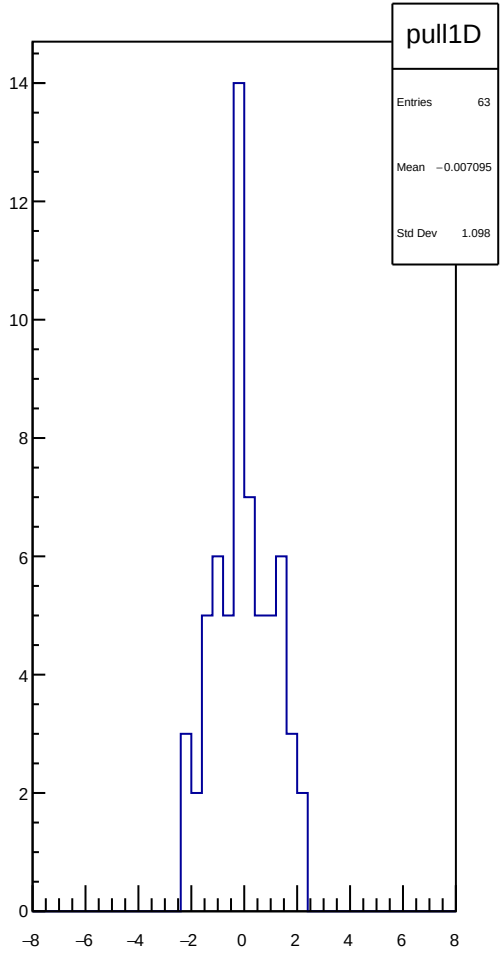

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 271.7 / 62
p0 1315 ± 1.195
1360
1340
1320
1300
1280
1260

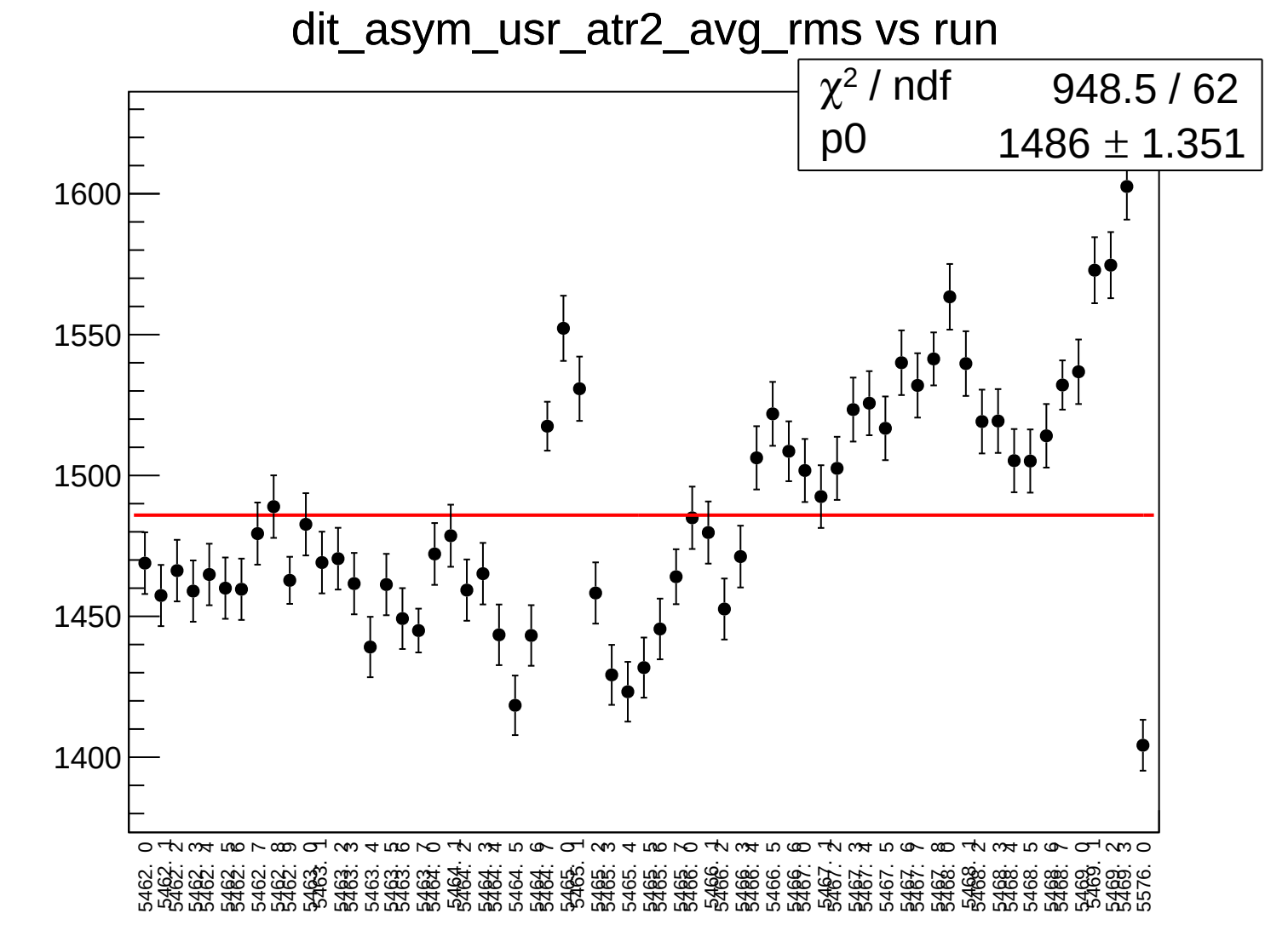

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.92 / 62
p0 −2568 ± 4094
100
50
0
−50
−100
pull
Entries 63
Mean −112.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

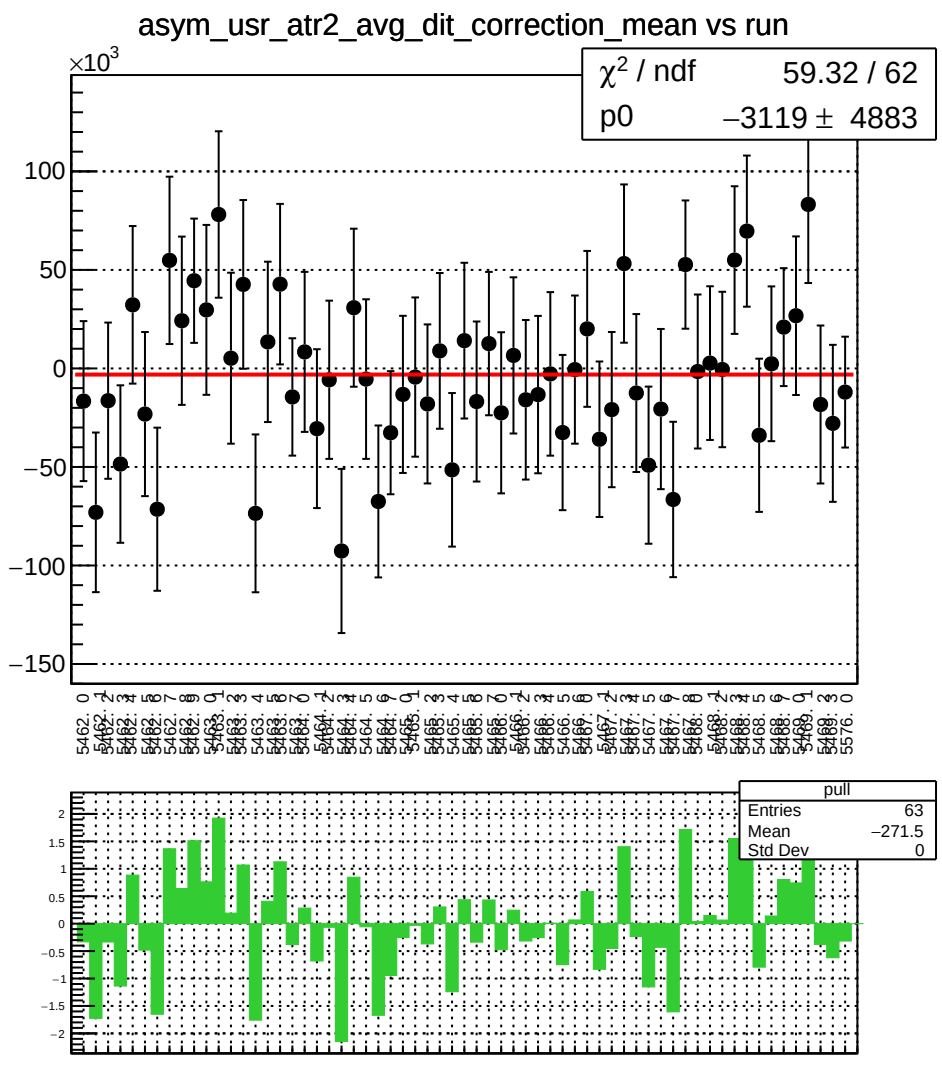

pull1D
Entries 63
Mean −0.01458
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

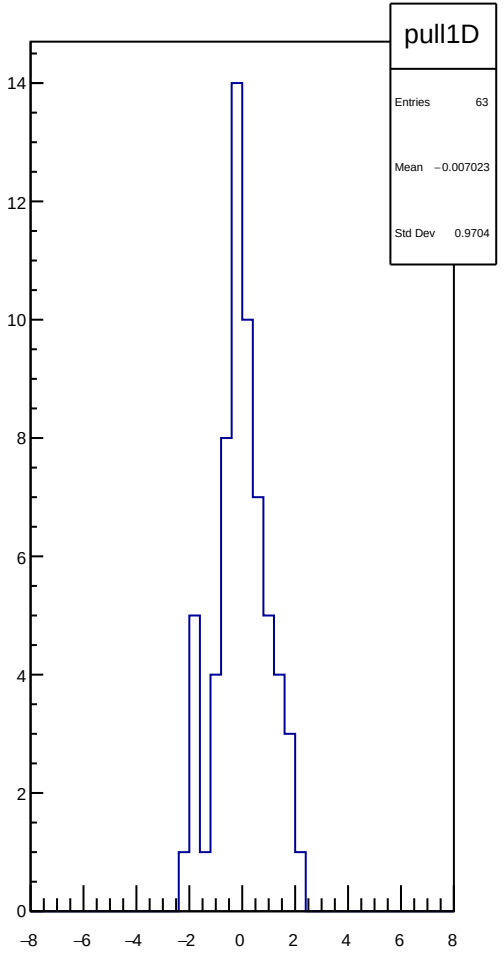

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4685 / 62
p0 3179 ± 2.895
3600
3400
3200
3000
2800
2600

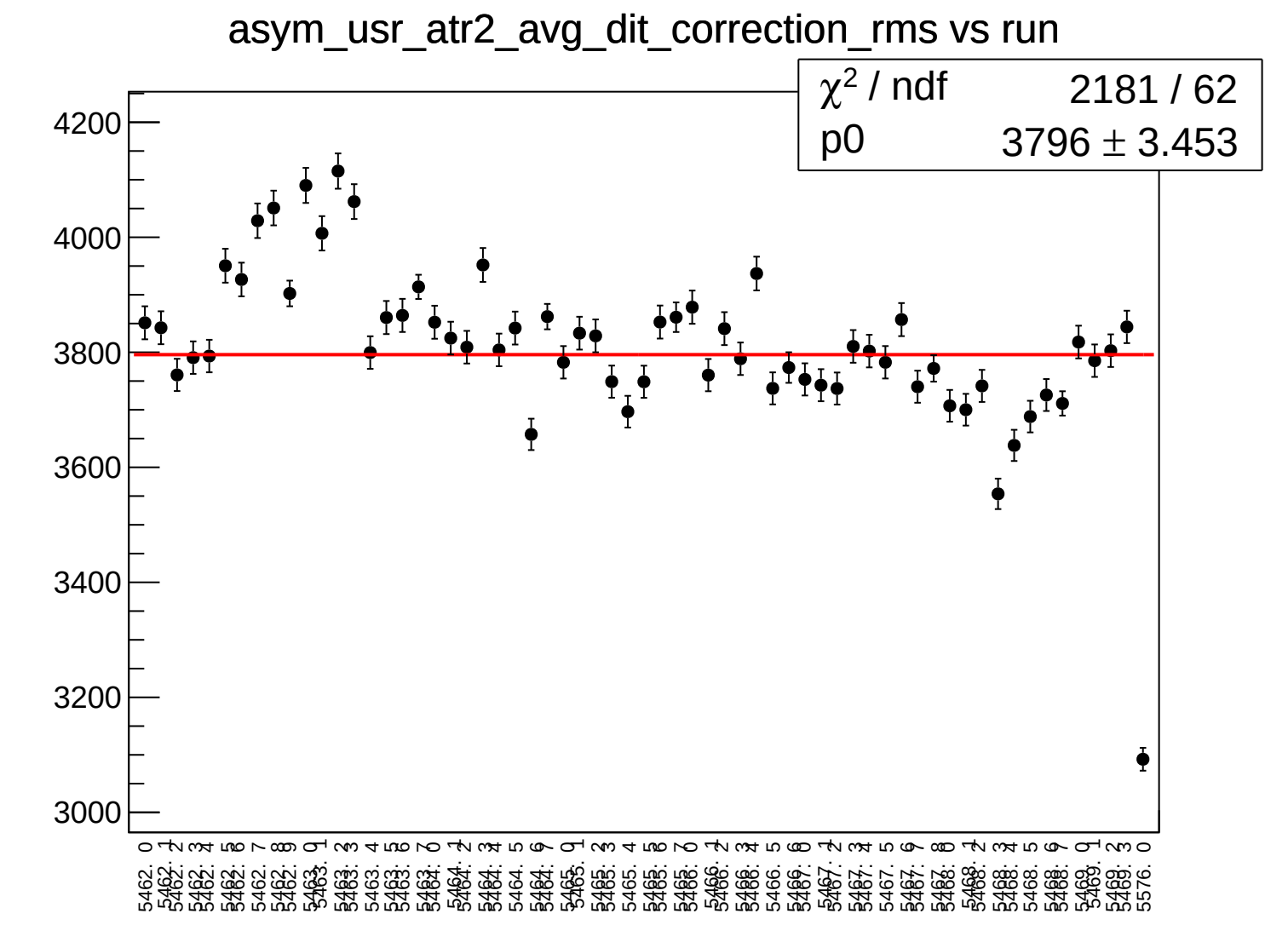

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.91 / 62
p0 2792 ± 1910
pull
Entries 63
Mean −240
Std Dev 0

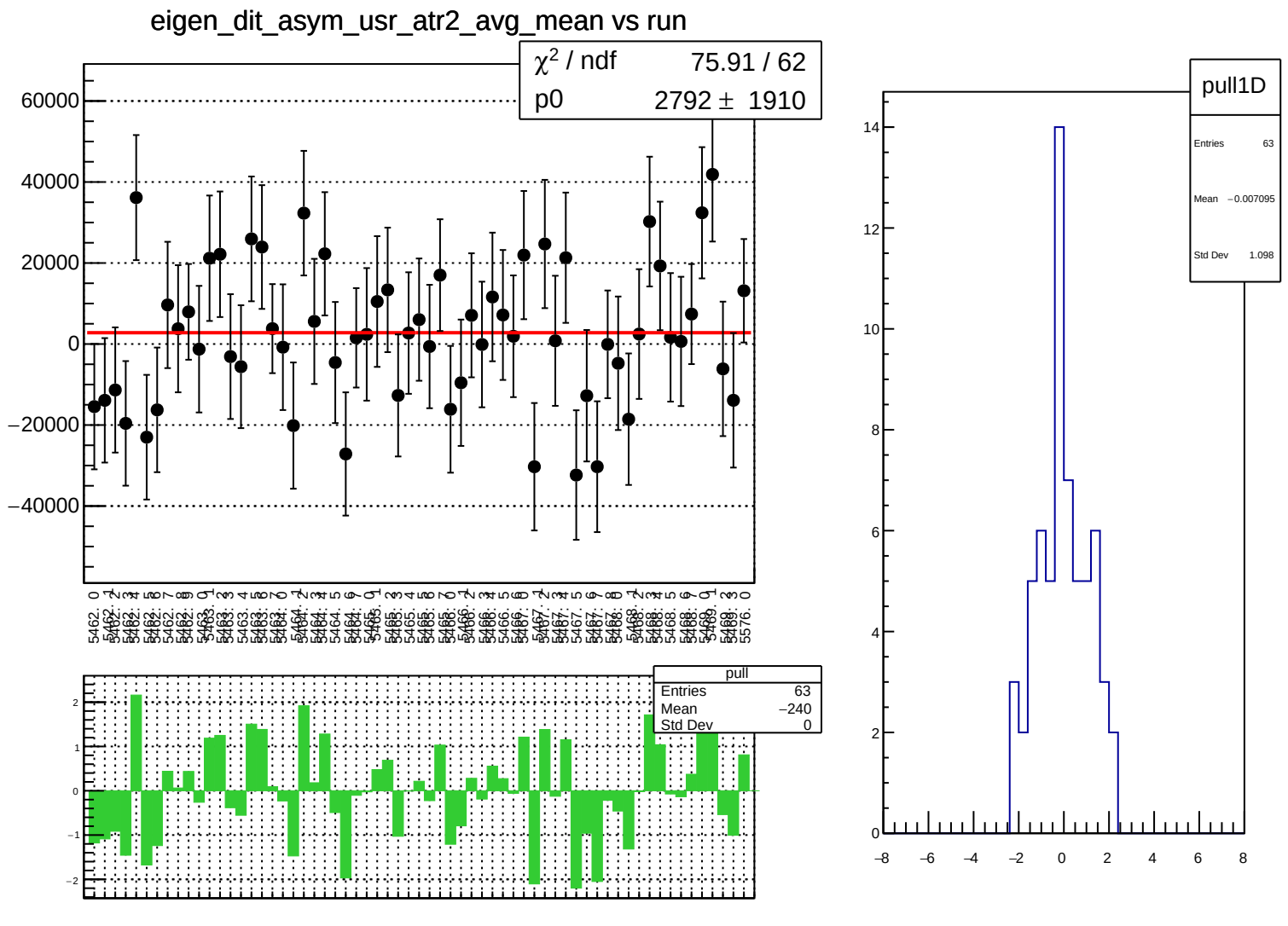

pull1D
Entries 63
Mean −0.007095
Std Dev 1.098

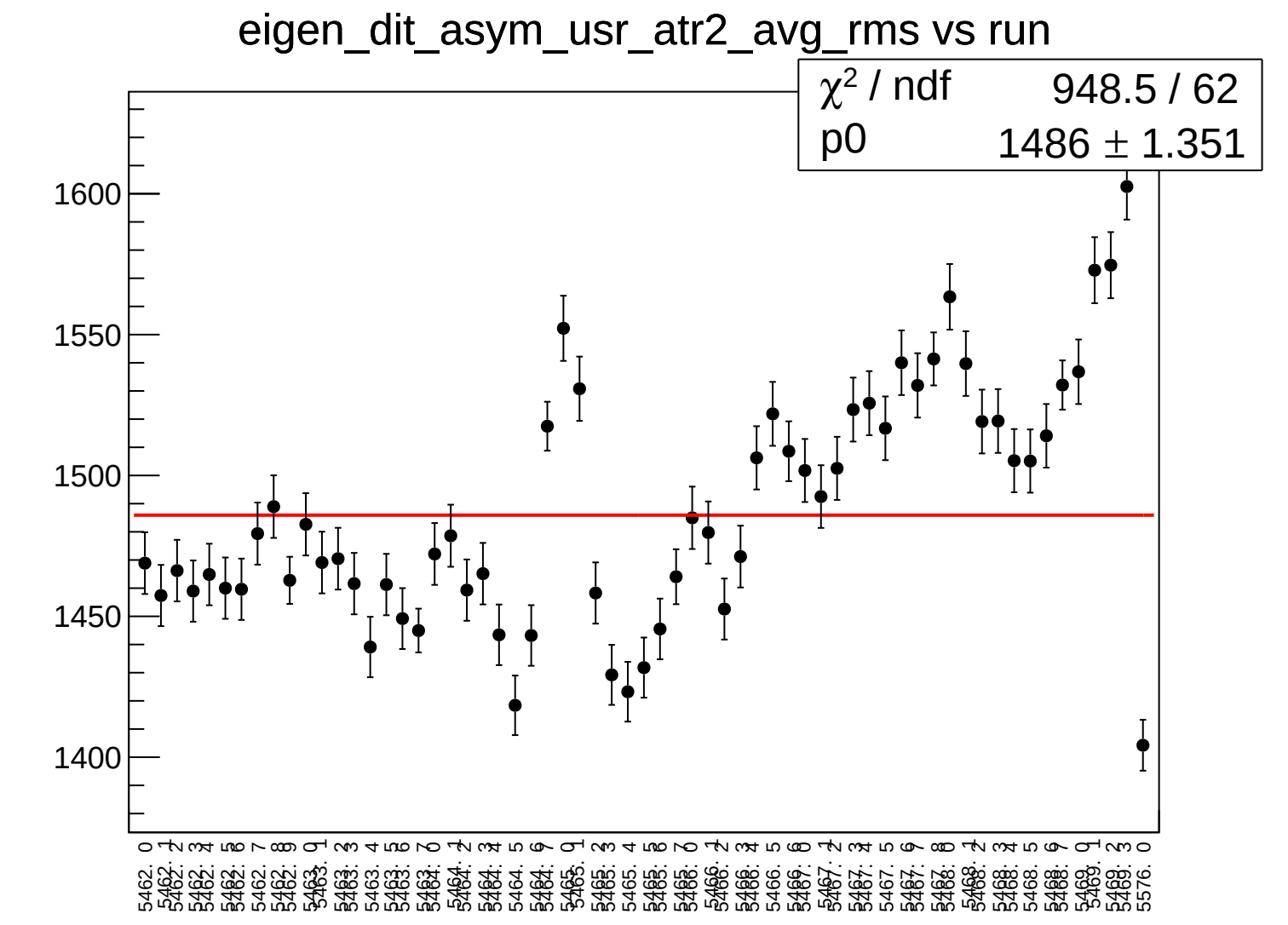

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 948.5 / 62
p0 1486 ± 1.351
1600
1550
1500
1450
1400

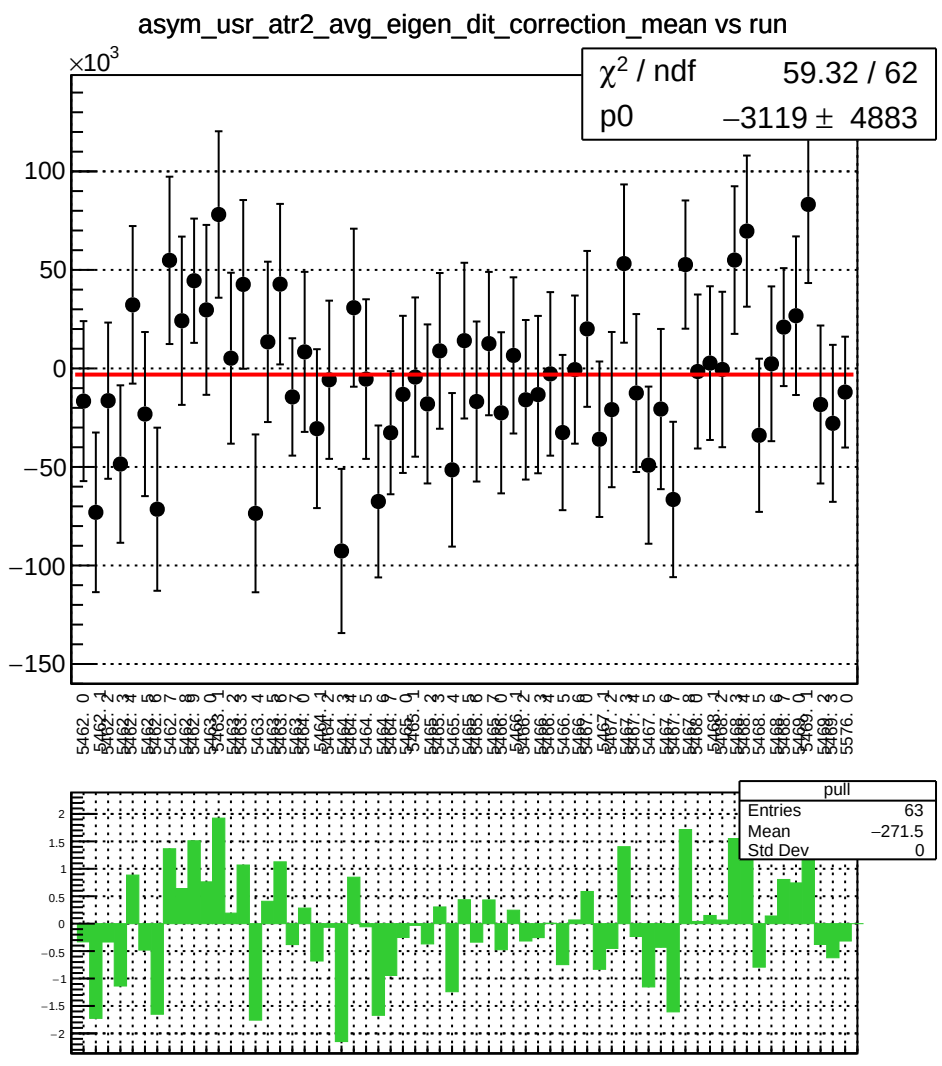

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 59.32 / 62
p0 −3119 ± 4883
100
50
0
−50
−100
−150
pull
Entries 63
Mean −271.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

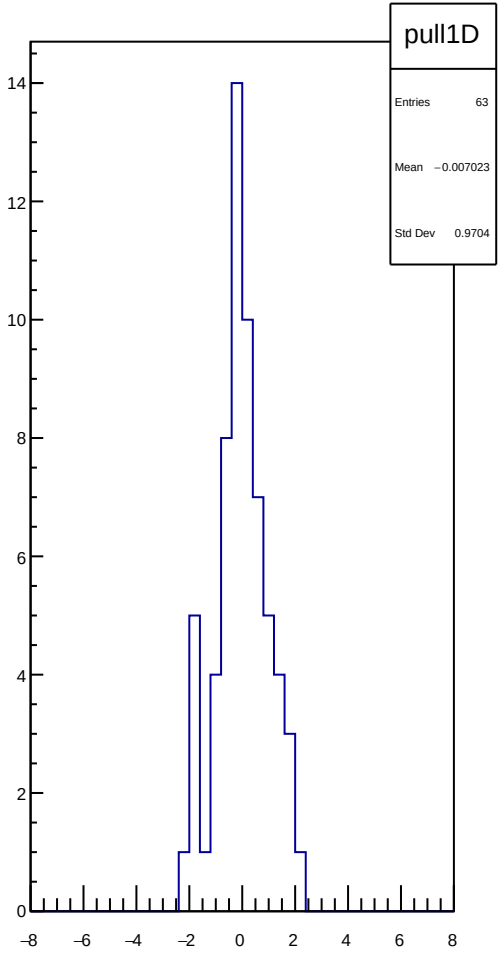

pull1D
Entries 63
Mean −0.007023
Std Dev 0.9704
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

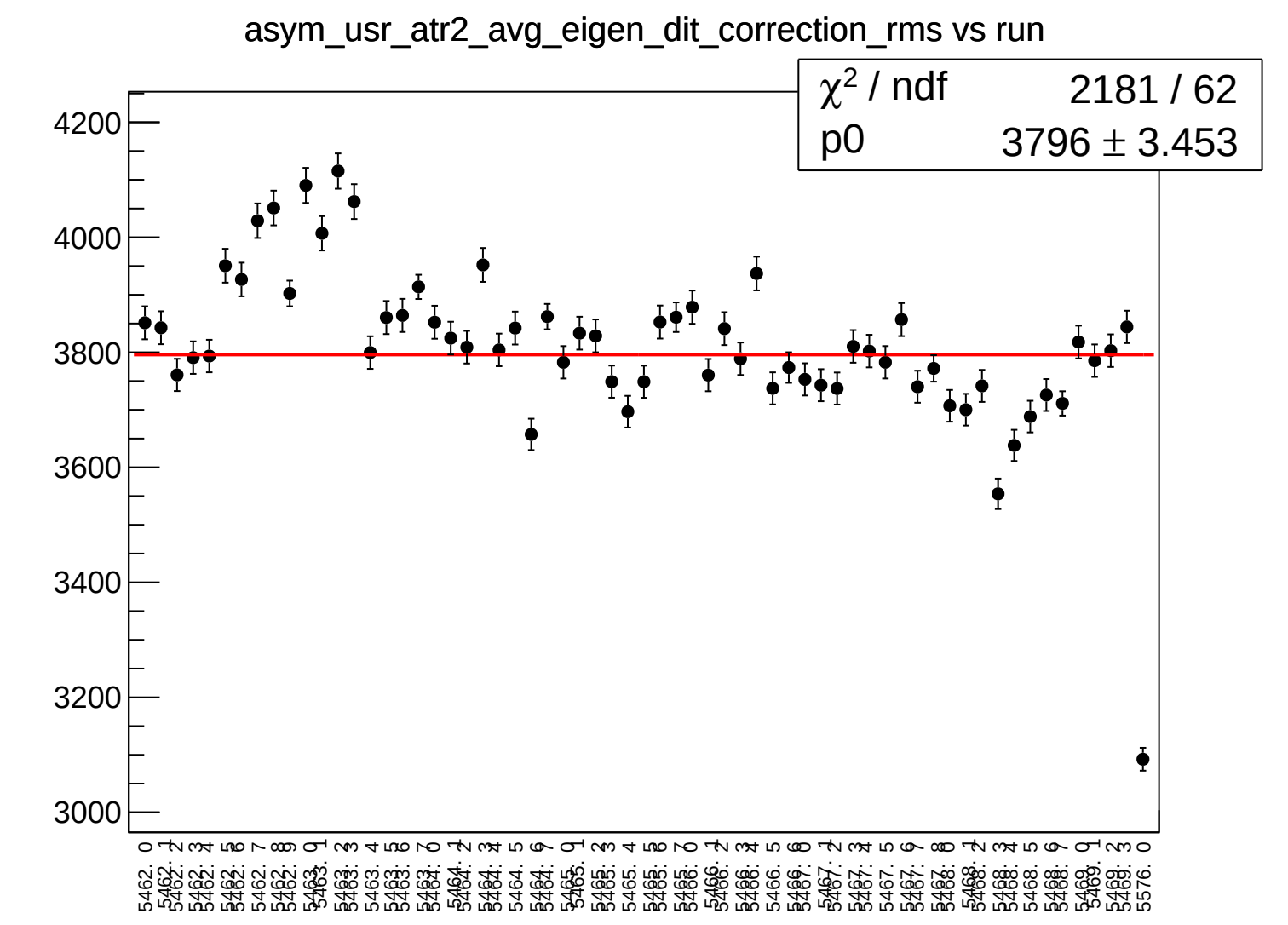

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2181 / 62
p0 3796 ± 3.453
4200
4000
3800
3600
3400
3200
3000

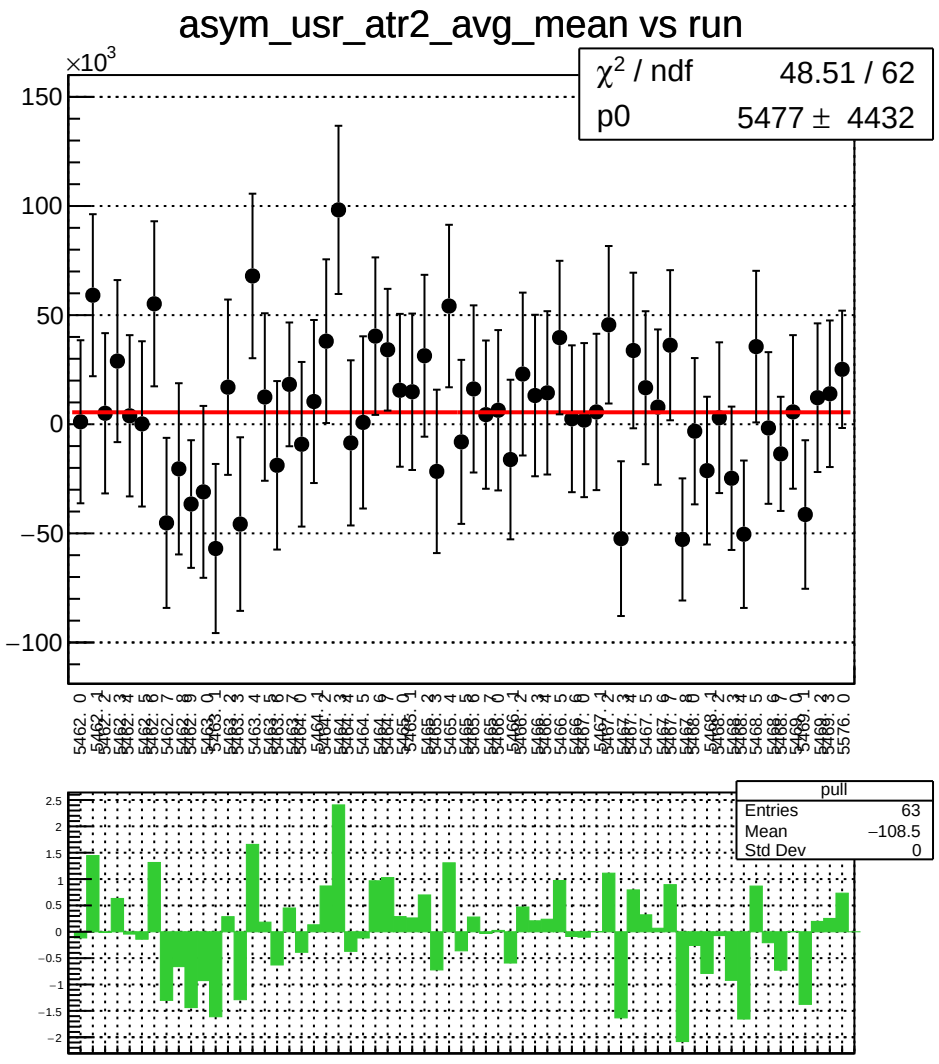

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.91 / 62
p0 2792 ± 1910
pull
Entries 63
Mean −240
Std Dev 0
pull1D
Entries 63
Mean −0.007095
Std Dev 1.098

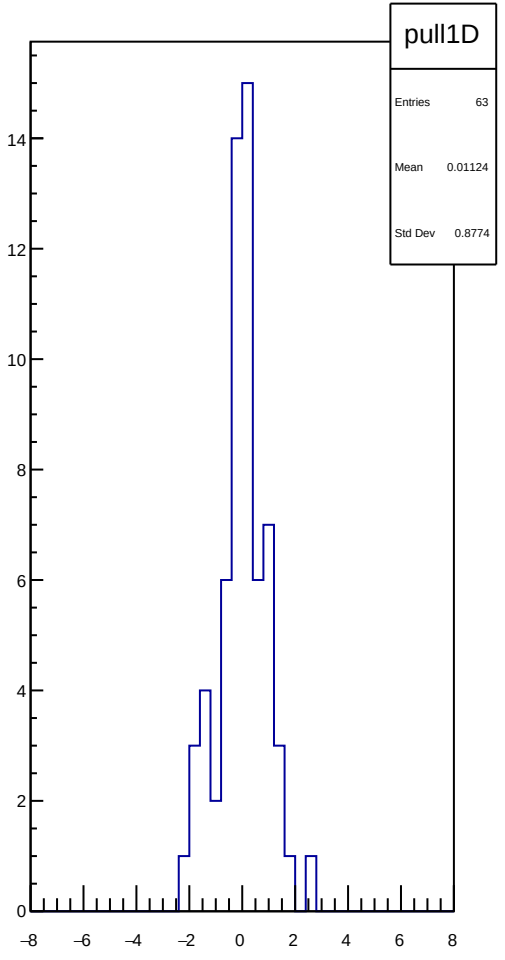

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 948.5 / 62
p0 1486 ± 1.351
1600
1550
1500
1450
1400

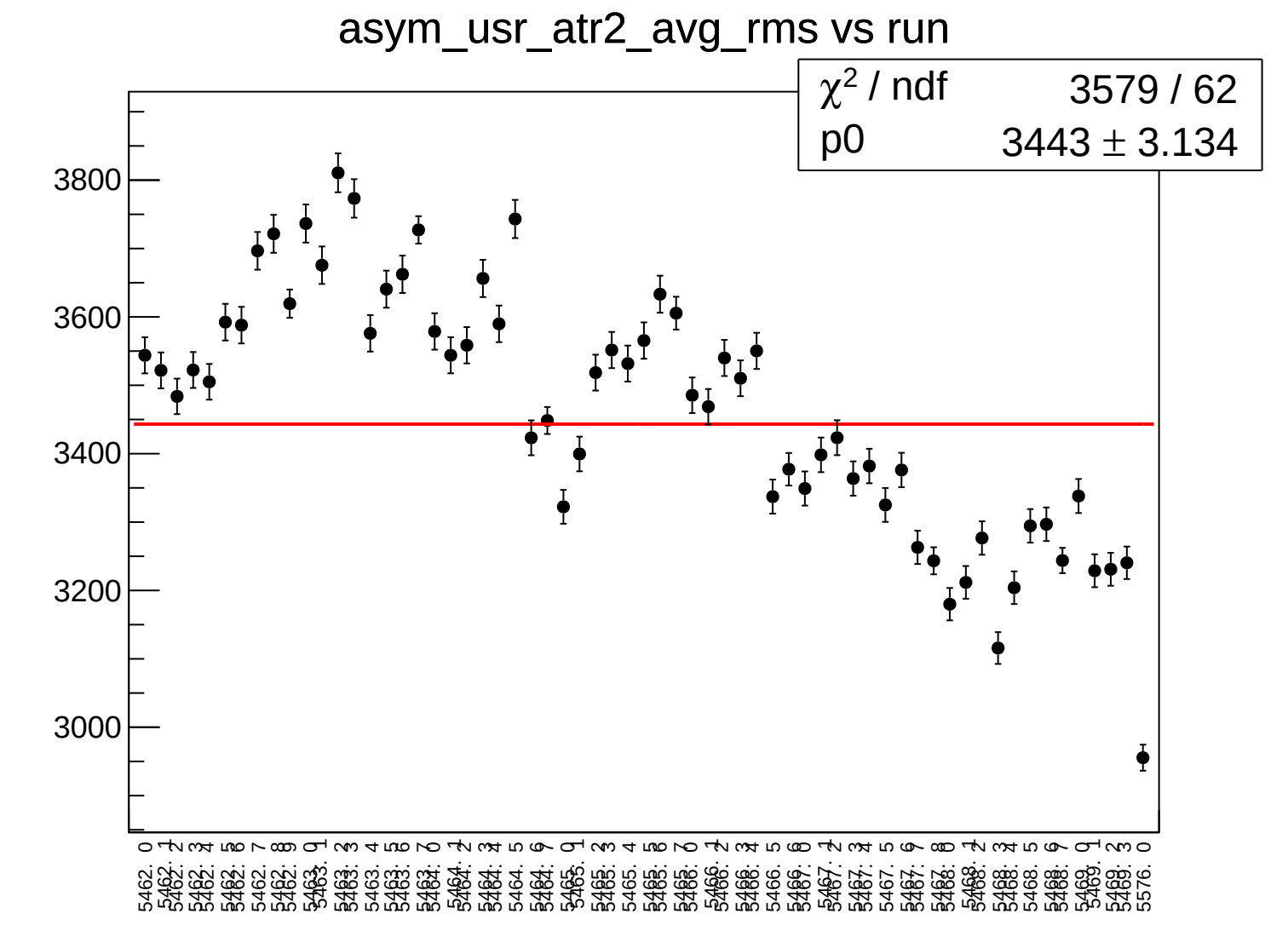

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 59.32 / 62
p0 −3119 ± 4883
100
50
0
−50
−100
−150
pull
Entries 63
Mean −271.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

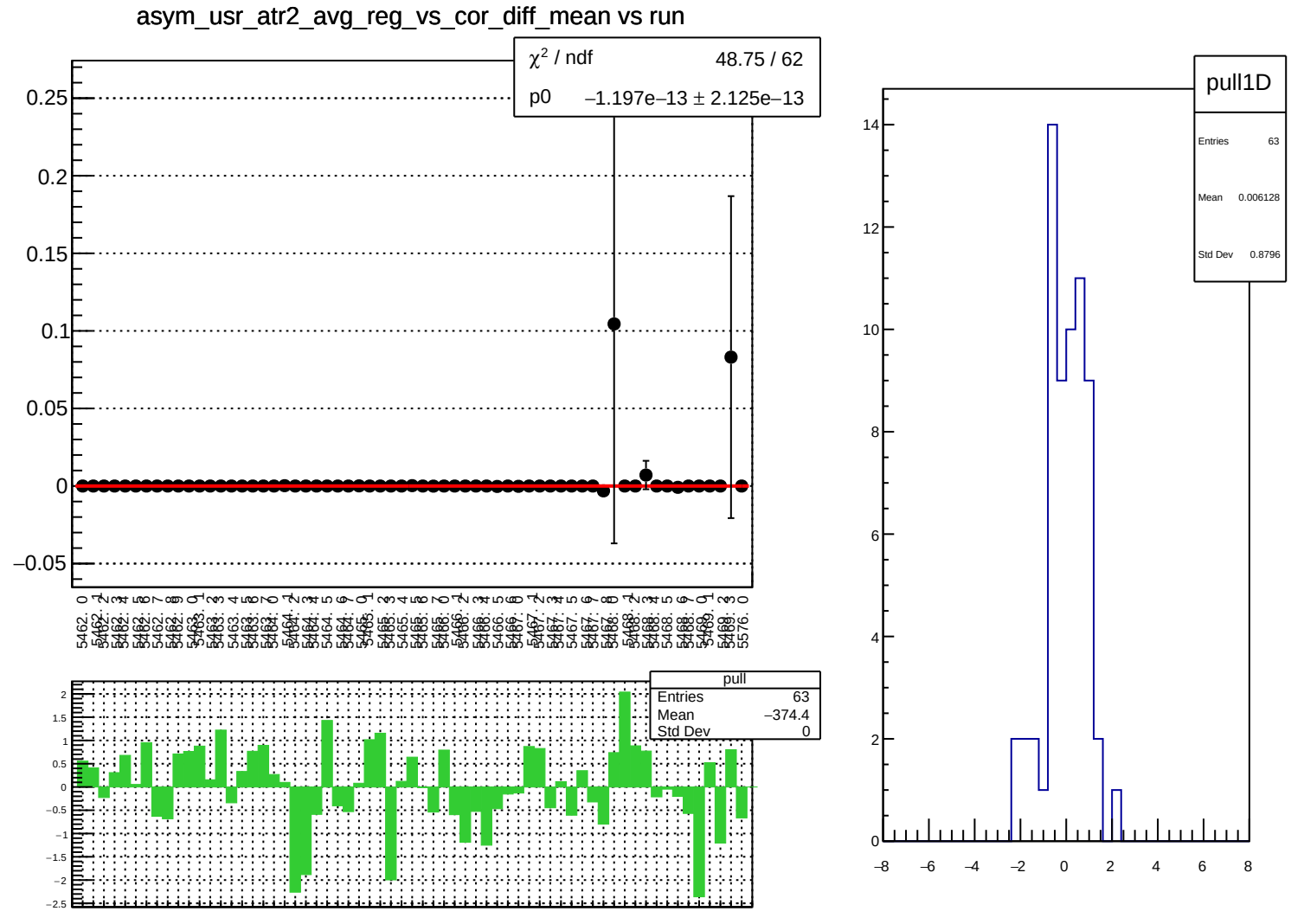

pull1D
Entries 63
Mean −0.007023
Std Dev 0.9704
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

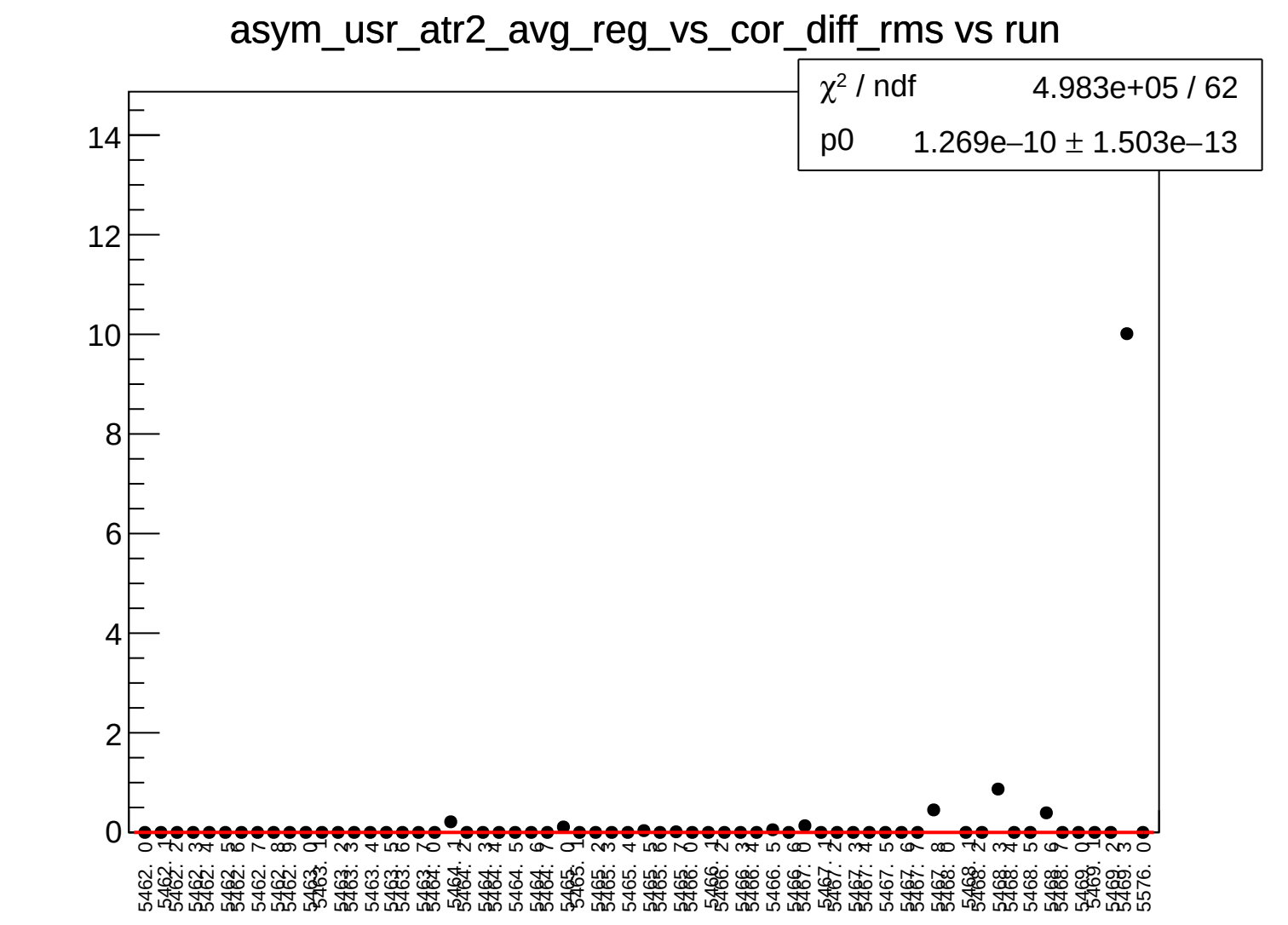

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2181 / 62
p0 3796 ± 3.453
4200
4000
3800
3600
3400
3200
3000

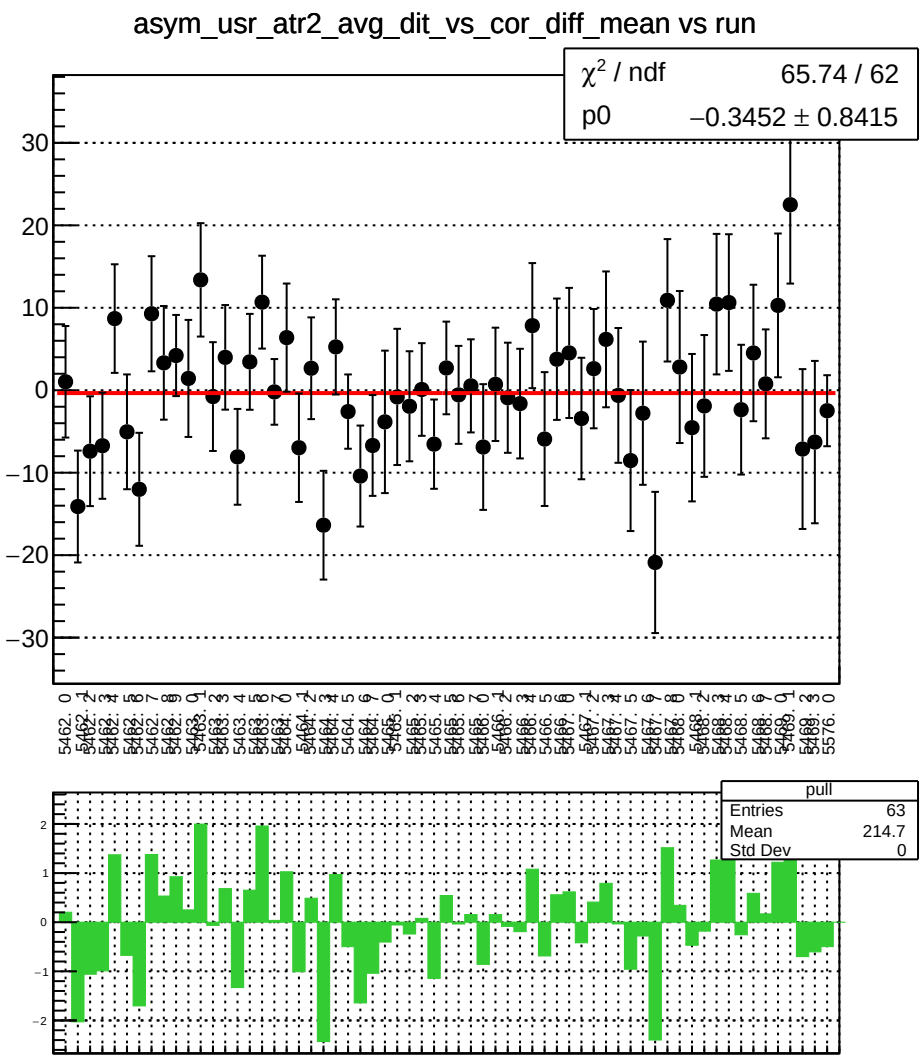

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 48.51 / 62
p0 5477 ± 4432
150
100
50
0
−50
−100
pull
Entries 63
Mean −108.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

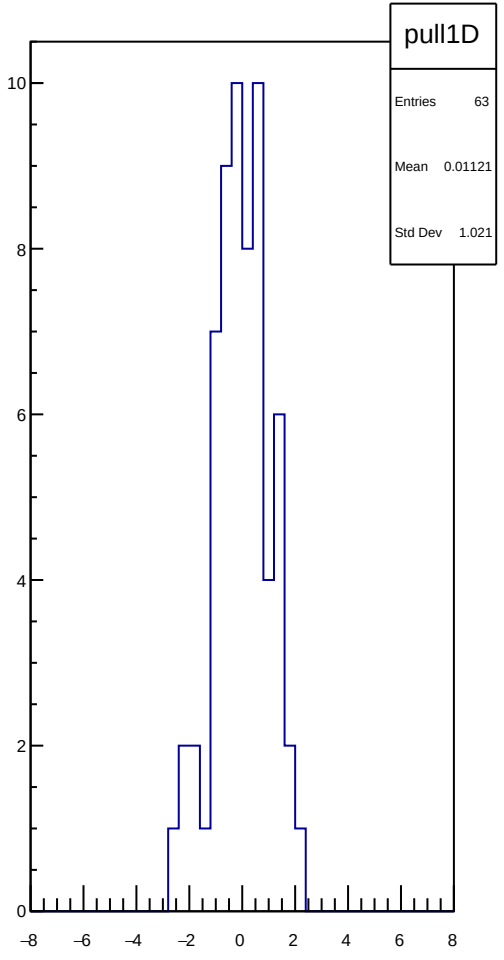

pull1D
Entries 63
Mean 0.01124
Std Dev 0.8774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

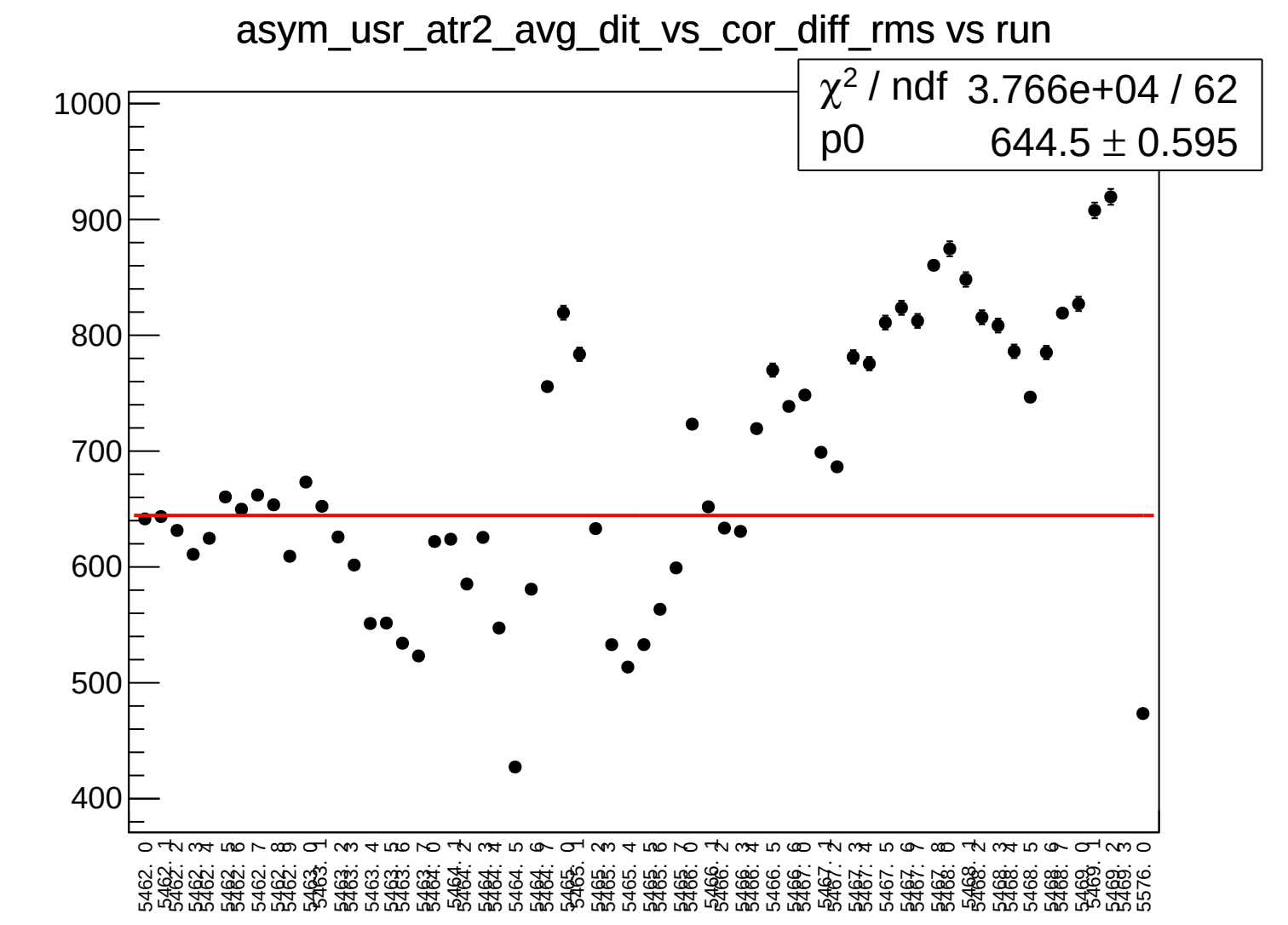

asym_usr_atr2_avg_rms vs run
χ² / ndf 3579 / 62
p0 3443 ± 3.134
3800
3600
3400
3200
3000

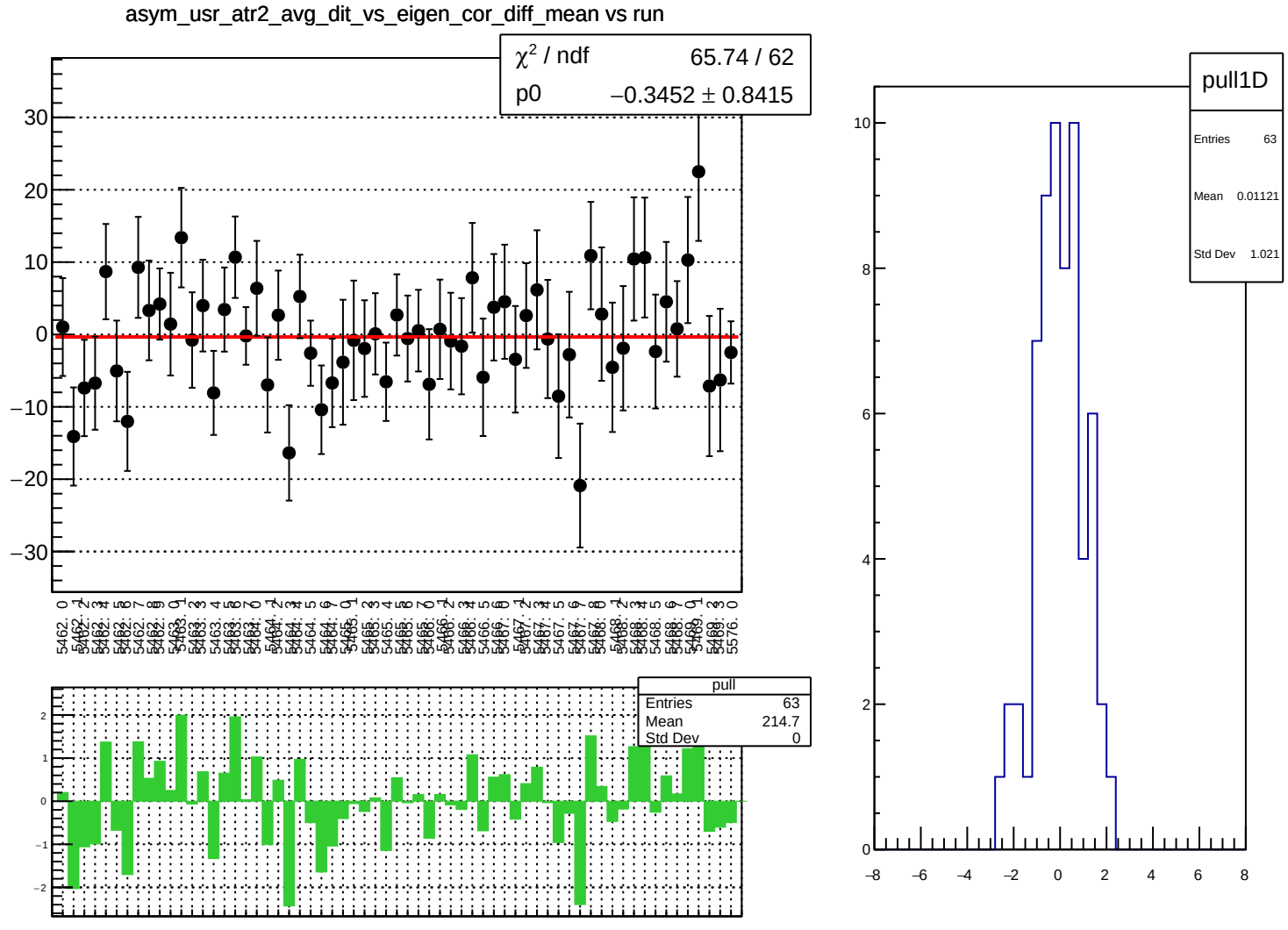

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.75 / 62
p0 −1.197e−13 ± 2.125e−13
pull
Entries 63
Mean −374.4
Std Dev 0
pull1D
Entries 63
Mean 0.006128
Std Dev 0.8796

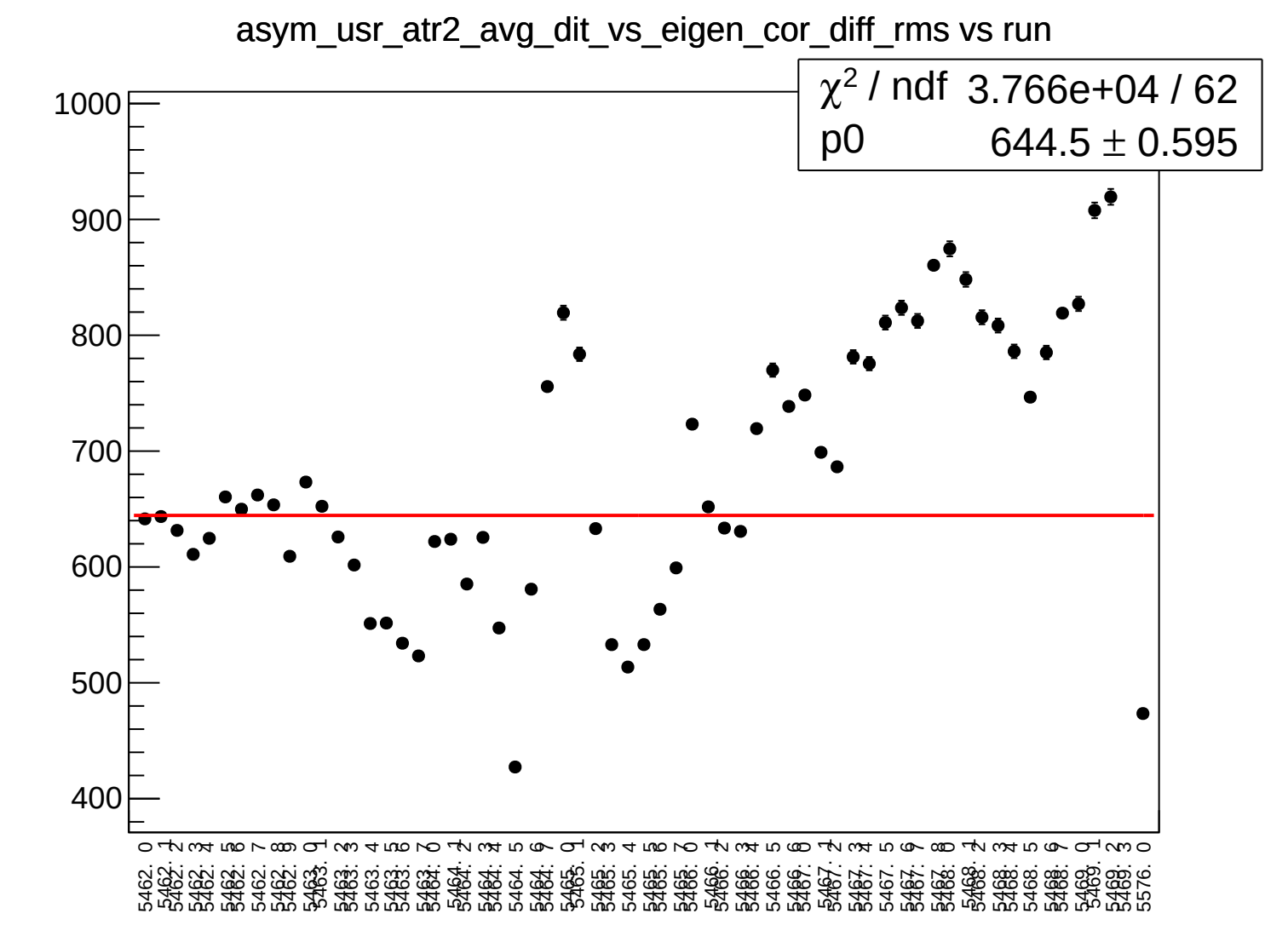

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.983e+05 / 62
p0 1.269e−10 ± 1.503e−13
14
12
10
8
6
4
2
0
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

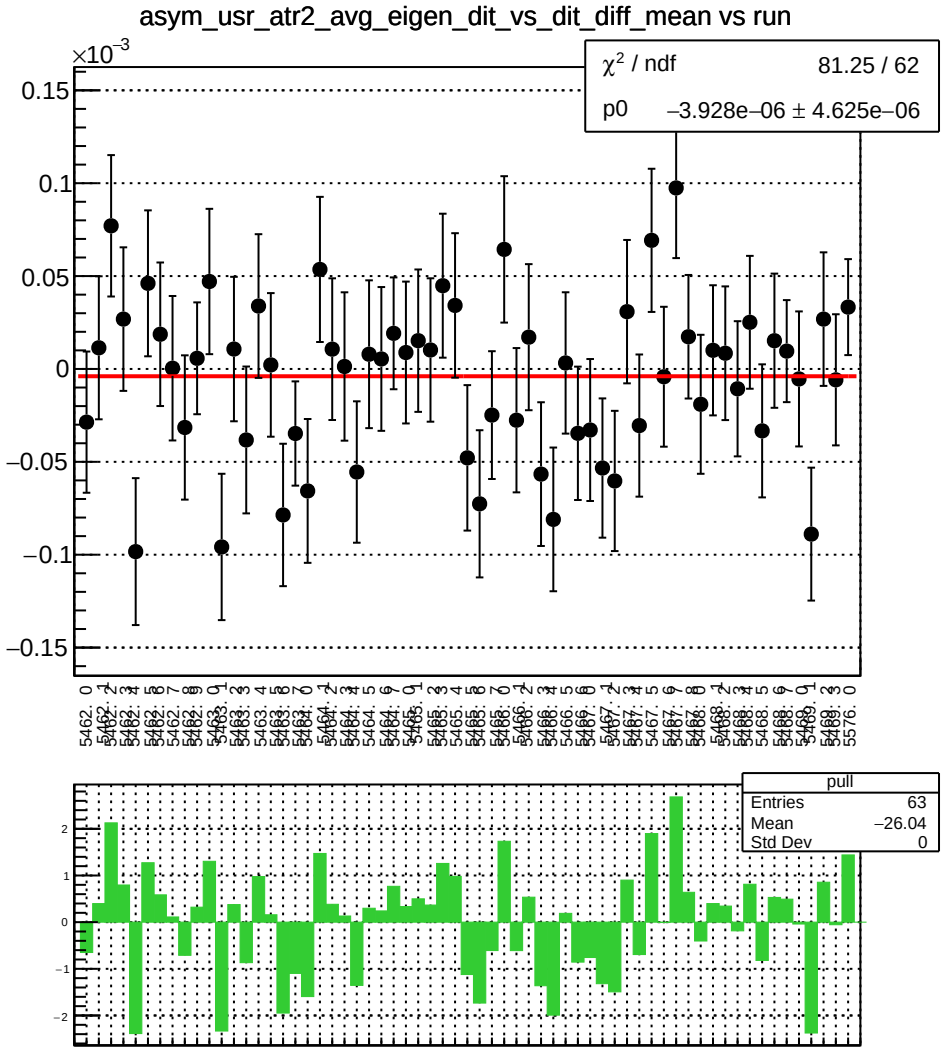

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.74 / 62
p0 −0.3452 ± 0.8415
pull
Entries 63
Mean 214.7
Std Dev 0

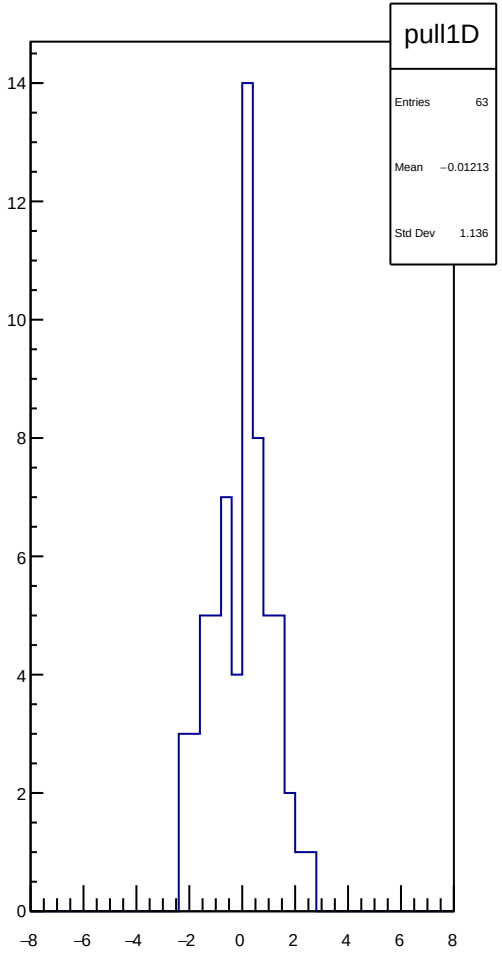

pull1D
Entries 63
Mean 0.01121
Std Dev 1.021

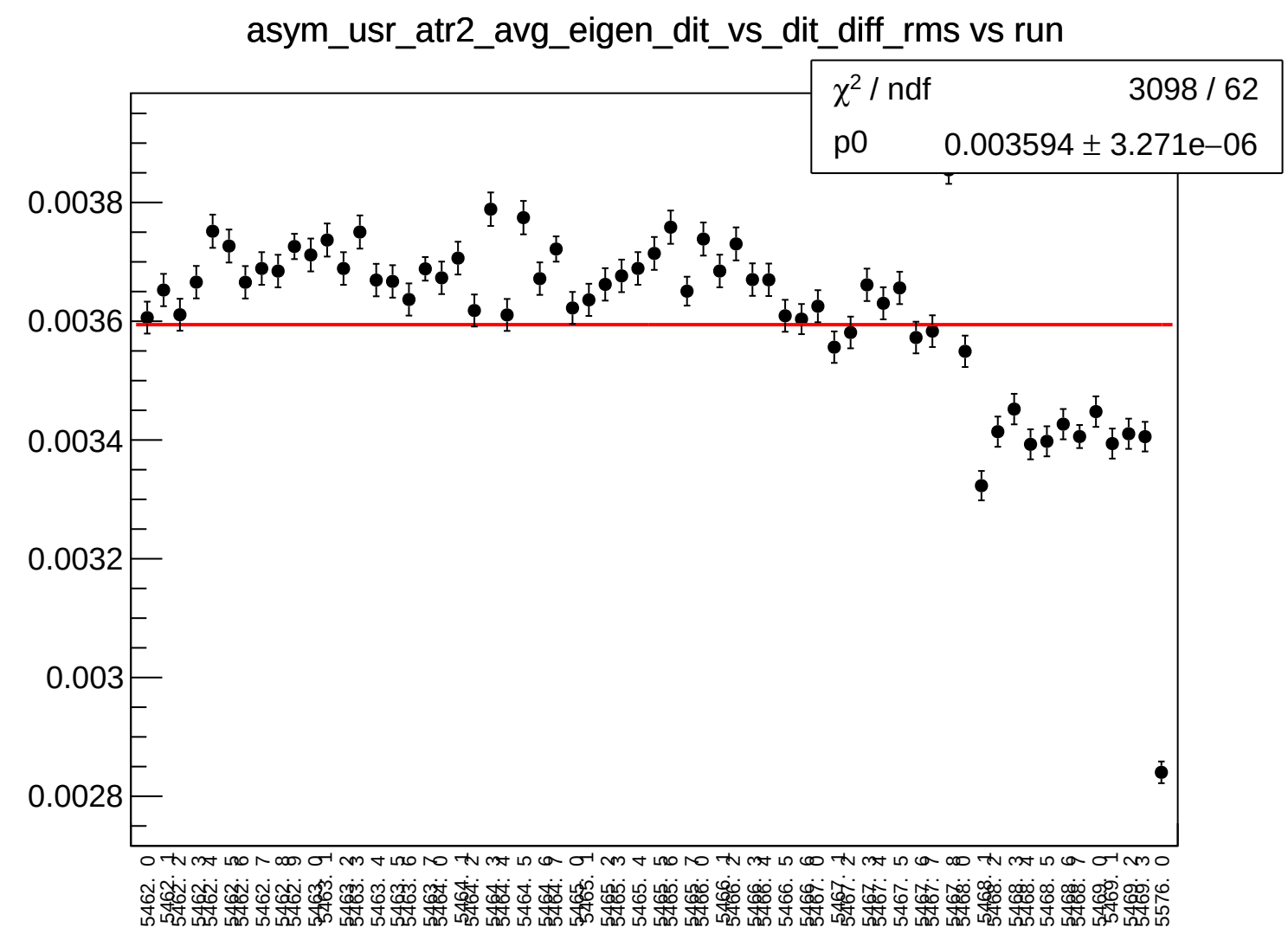

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 62
p0 644.5 ± 0.595
1000
900
800
700
600
500
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

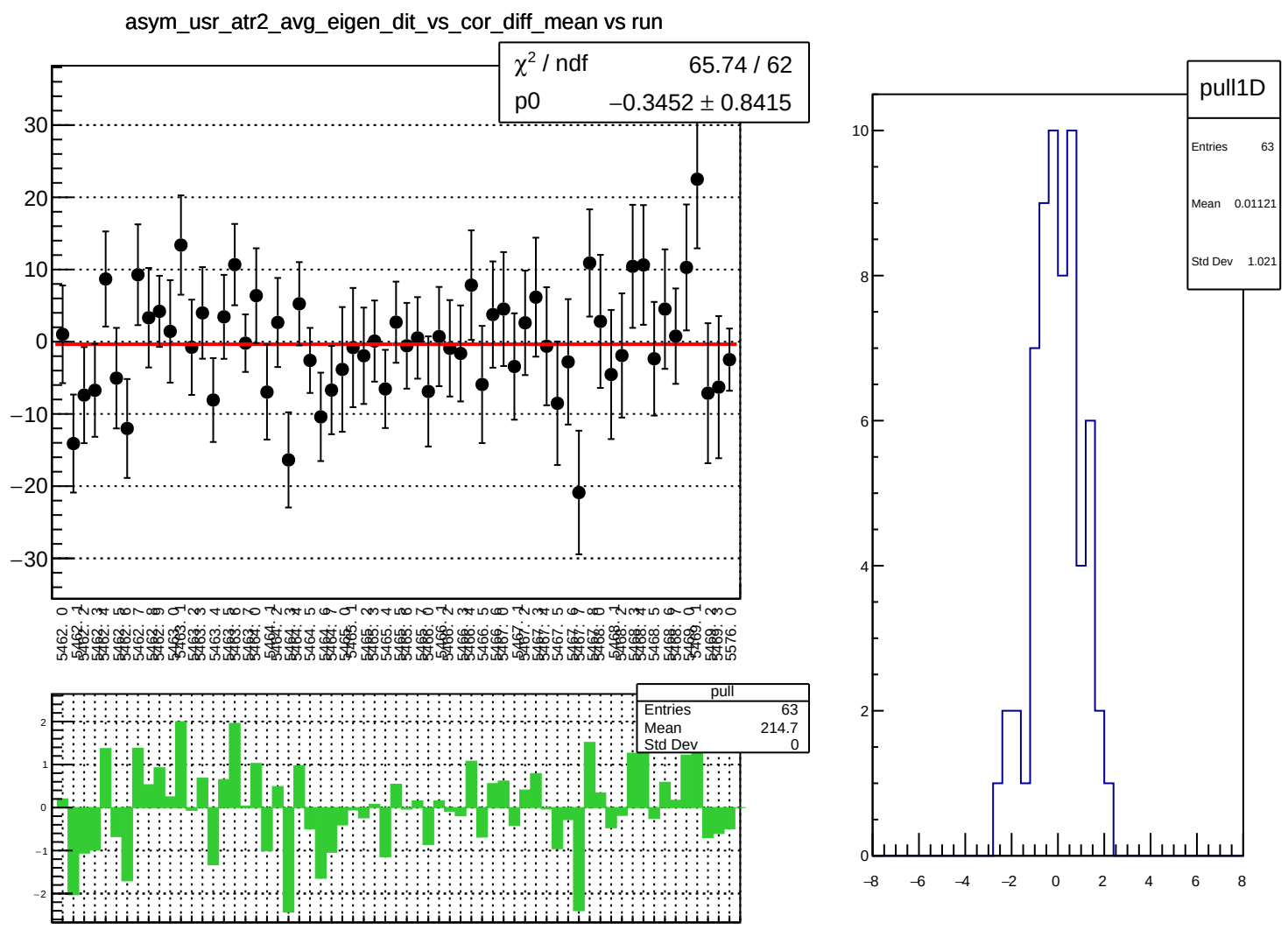

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.74 / 62
p0 −0.3452 ± 0.8415
pull
Entries 63
Mean 214.7
Std Dev 0
pull1D
Entries 63
Mean 0.01121
Std Dev 1.021

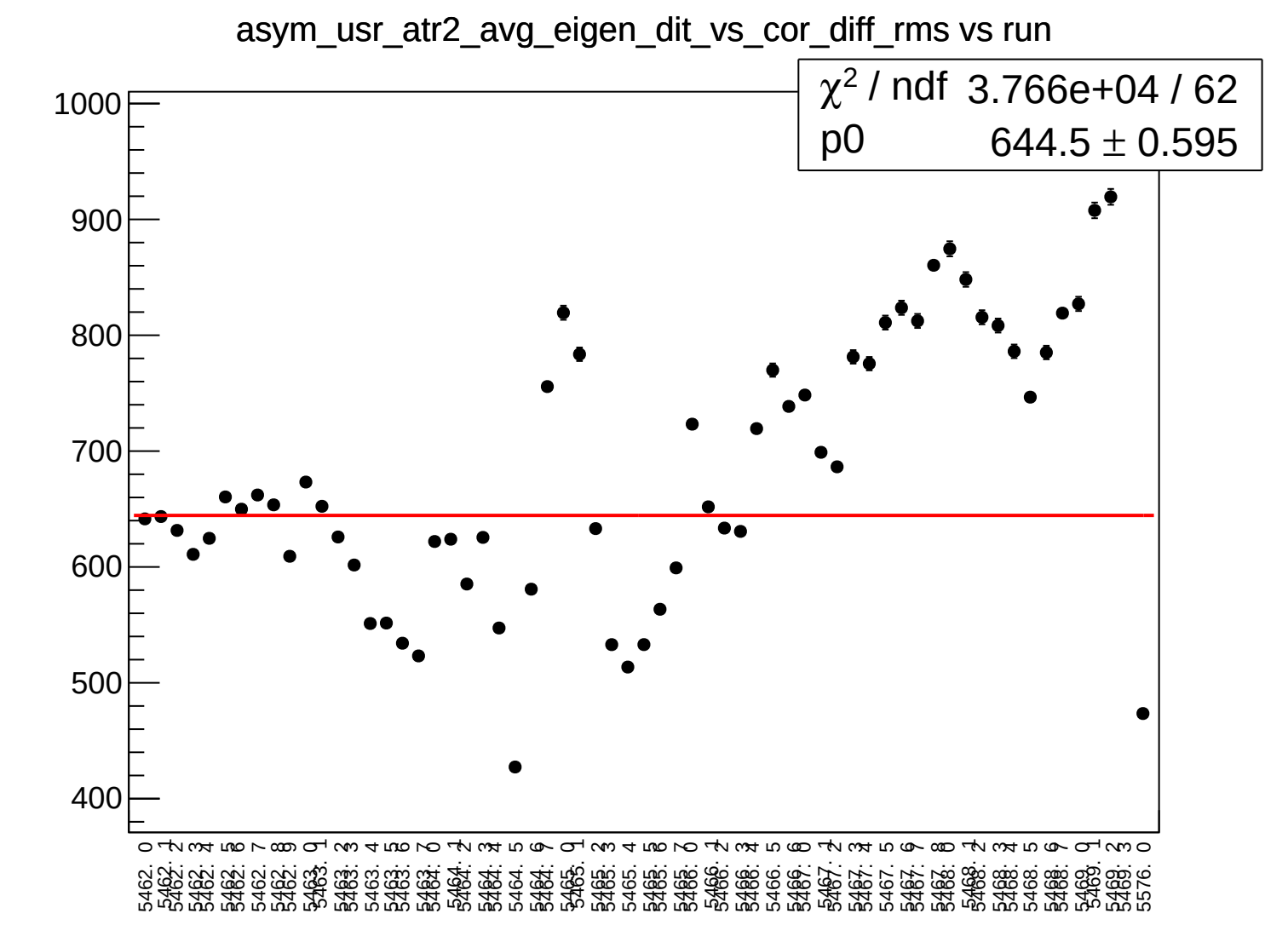

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 62
p0 644.5 ± 0.595
1000
900
800
700
600
500
400

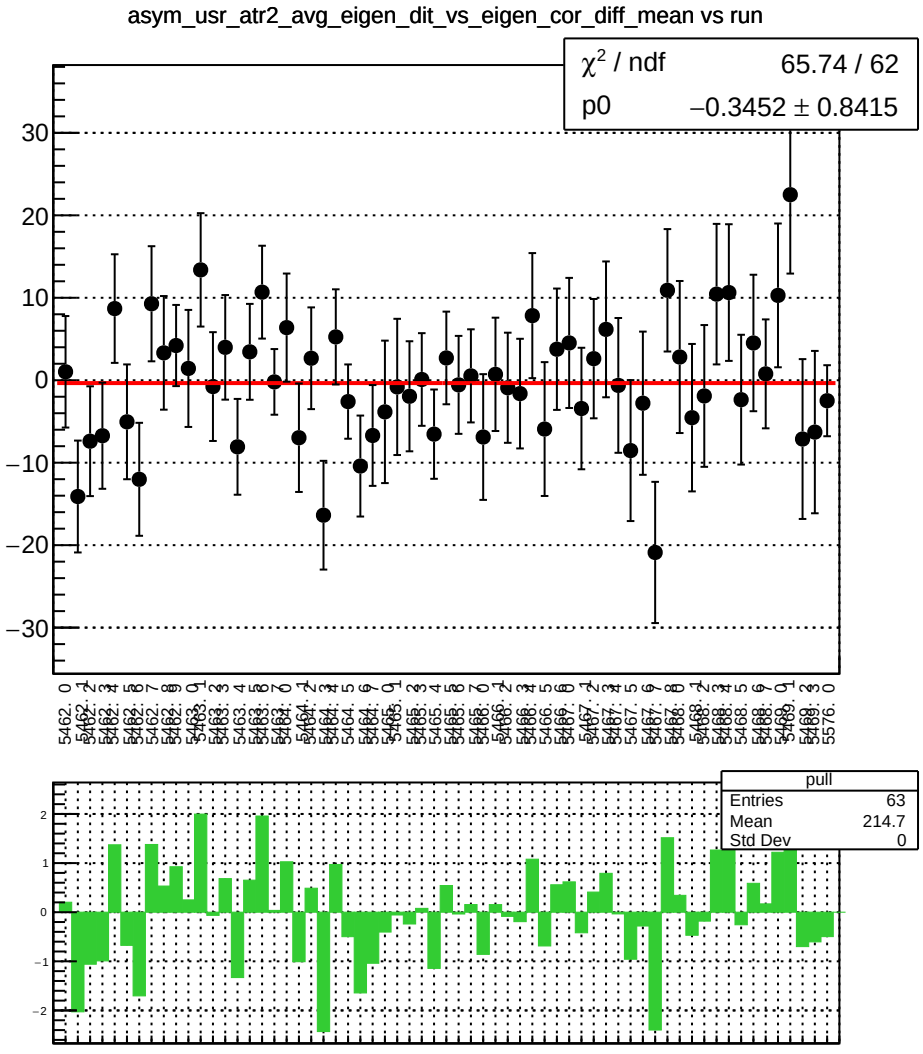

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.25 / 62
p0 −3.928e−06 ± 4.625e−06
pull
Entries 63
Mean −26.04
Std Dev 0

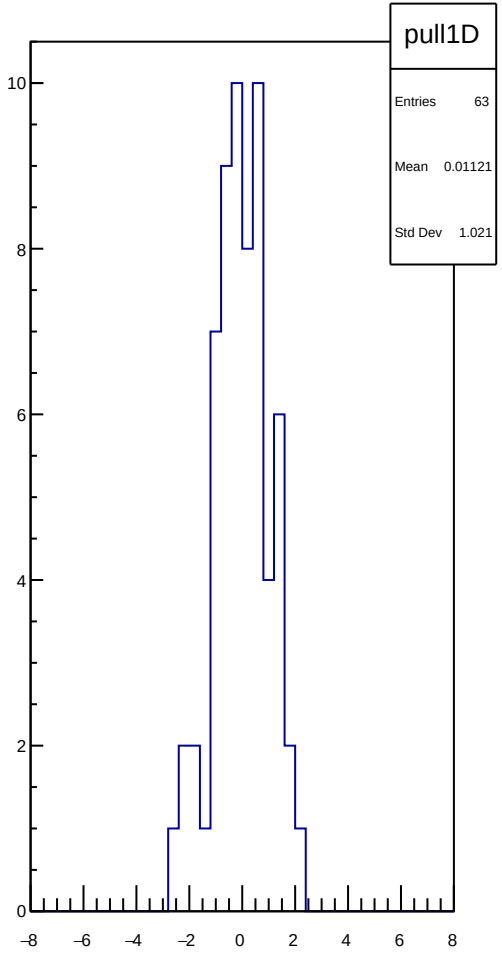

pull1D
Entries 63
Mean −0.01213
Std Dev 1.136

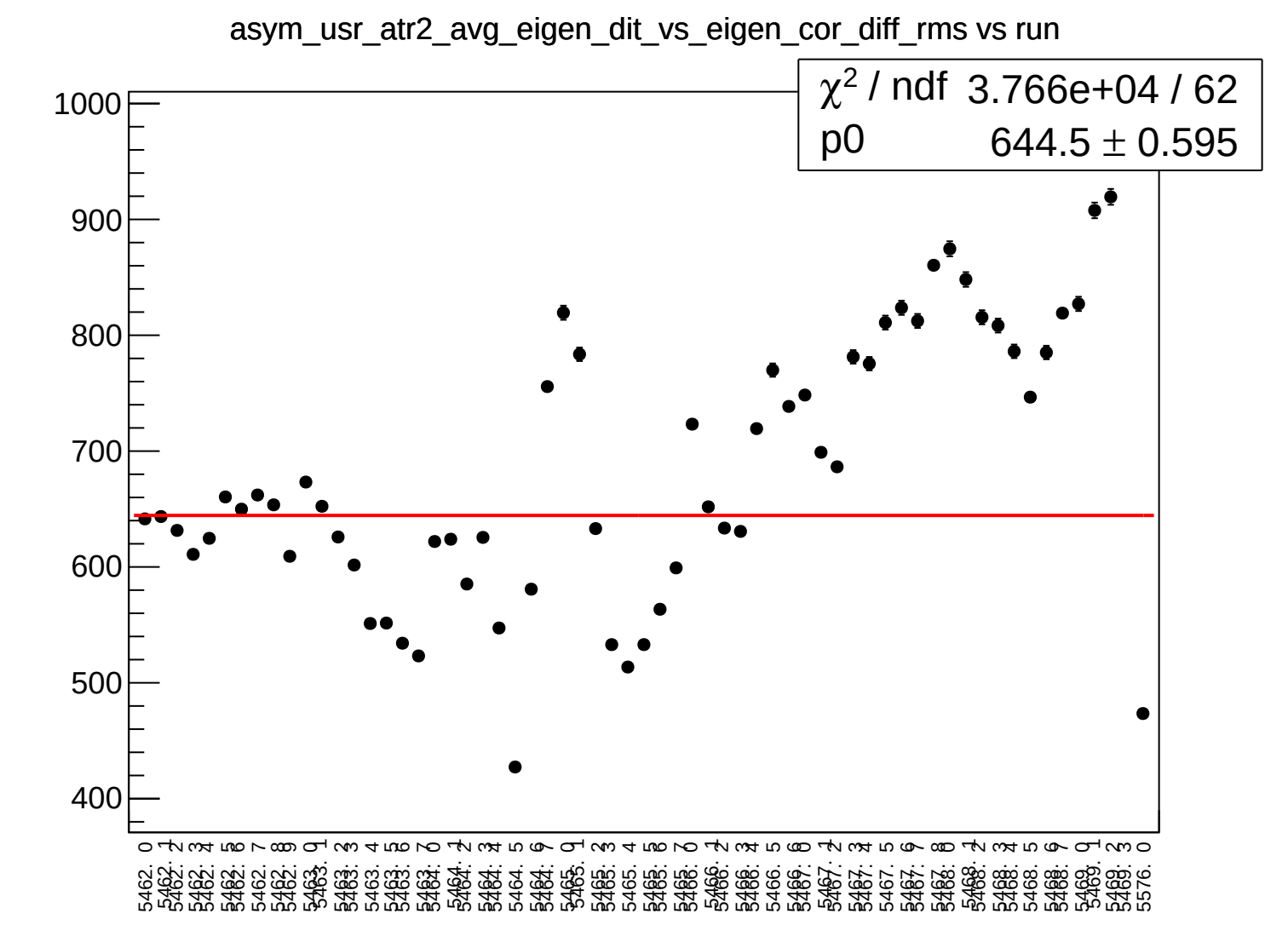

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3098 / 62
p0 0.003594 ± 3.271e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

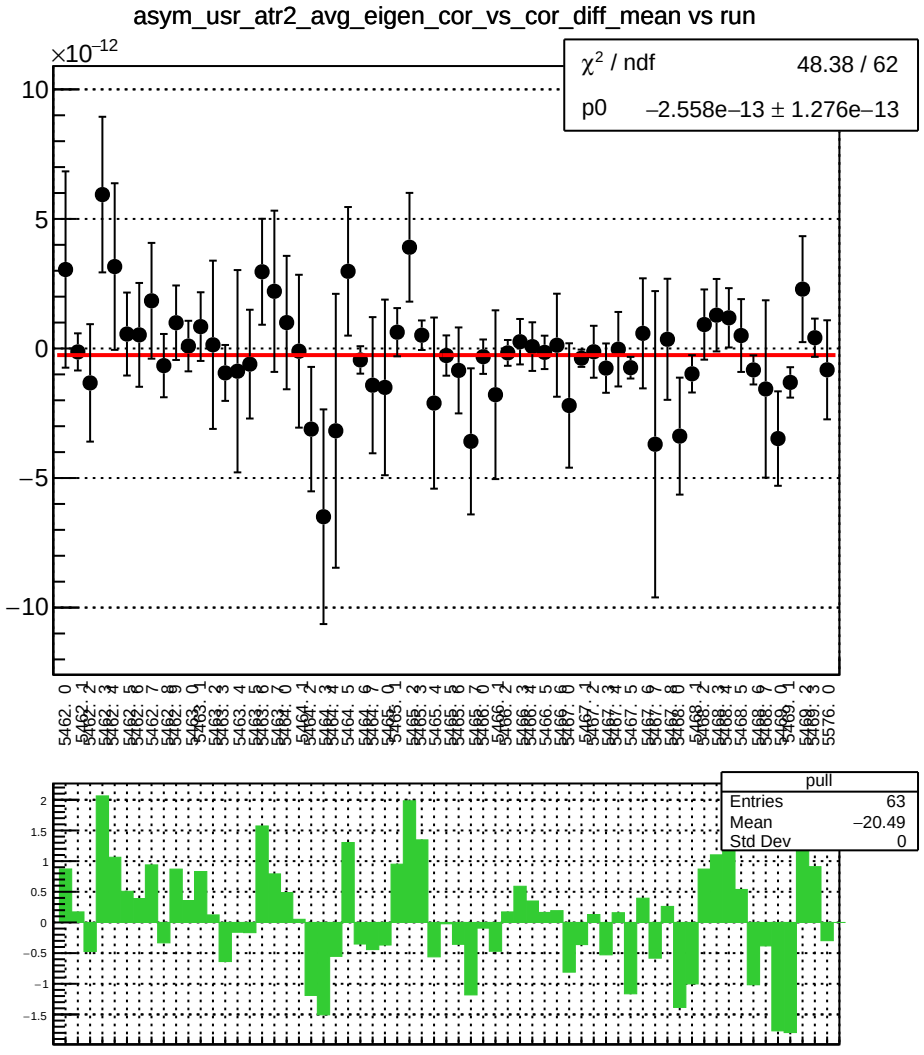

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.74 / 62
p0 −0.3452 ± 0.8415
pull
Entries 63
Mean 214.7
Std Dev 0
pull1D
Entries 63
Mean 0.01121
Std Dev 1.021

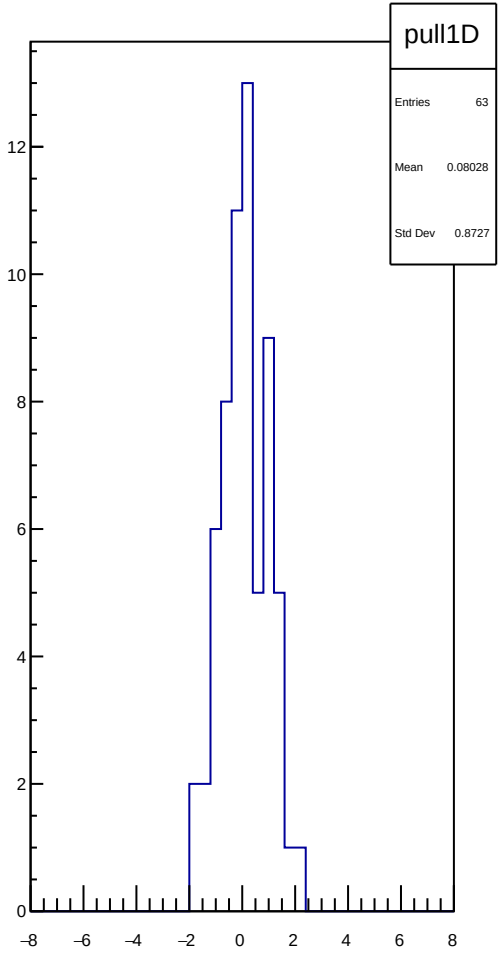

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 62
p0 644.5 ± 0.595
1000
900
800
700
600
500
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

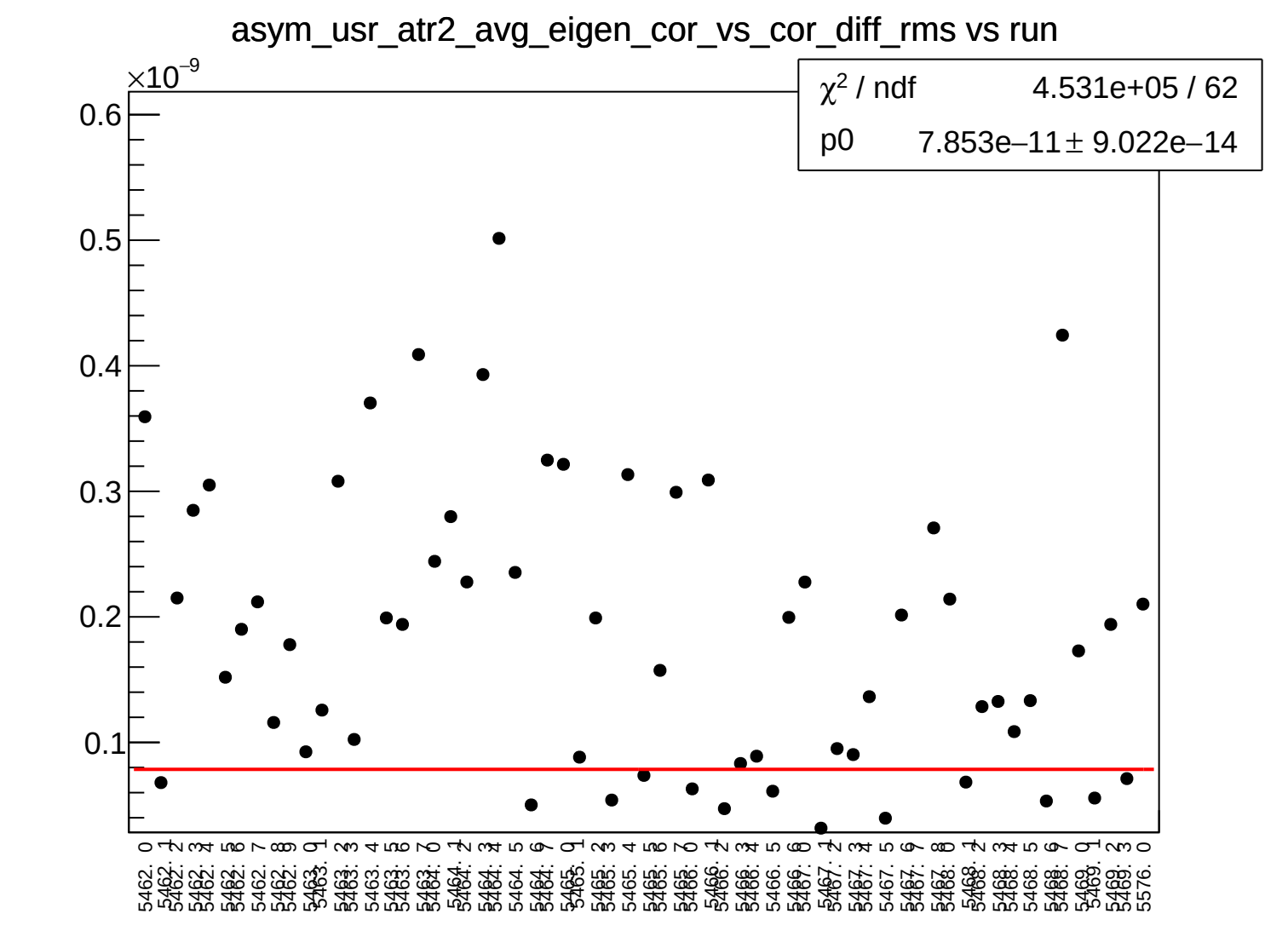

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.74 / 62
p0 −0.3452 ± 0.8415
pull
Entries 63
Mean 214.7
Std Dev 0

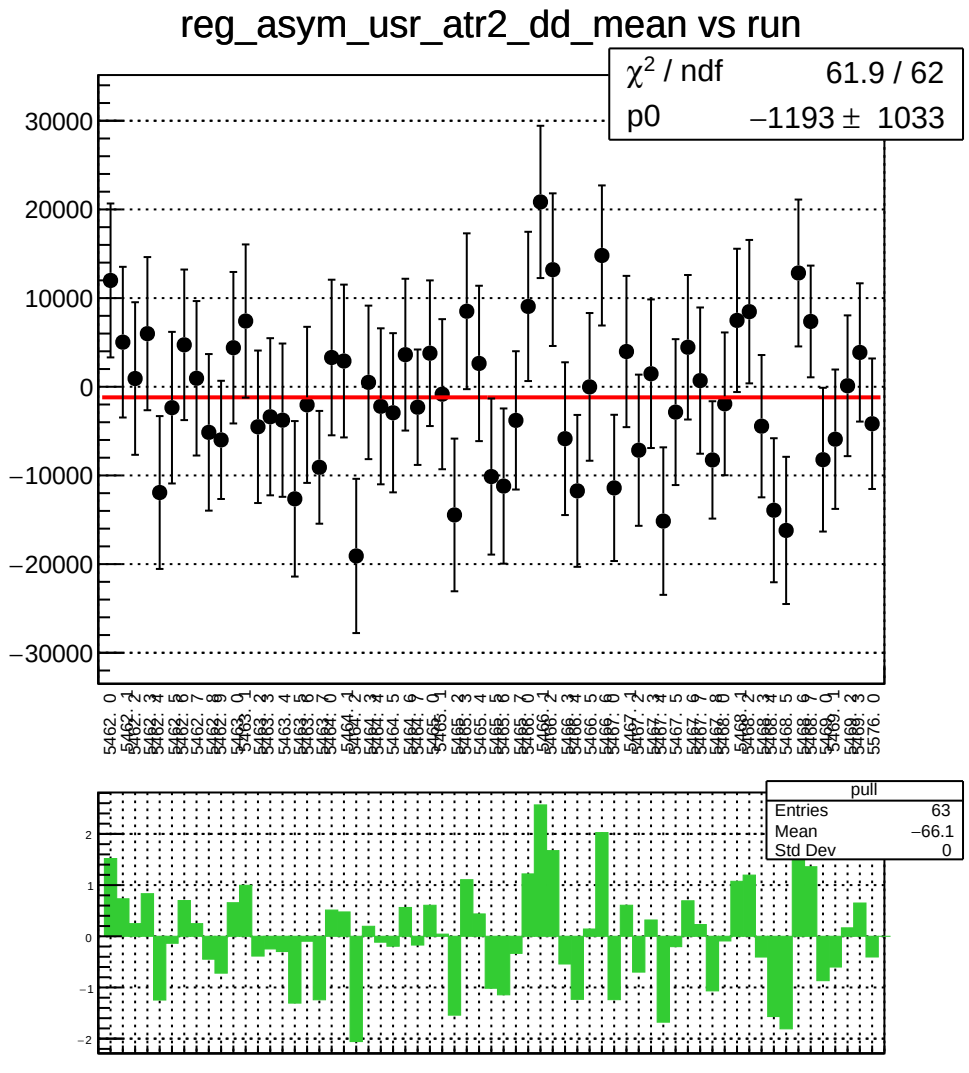

pull1D
Entries 63
Mean 0.01121
Std Dev 1.021

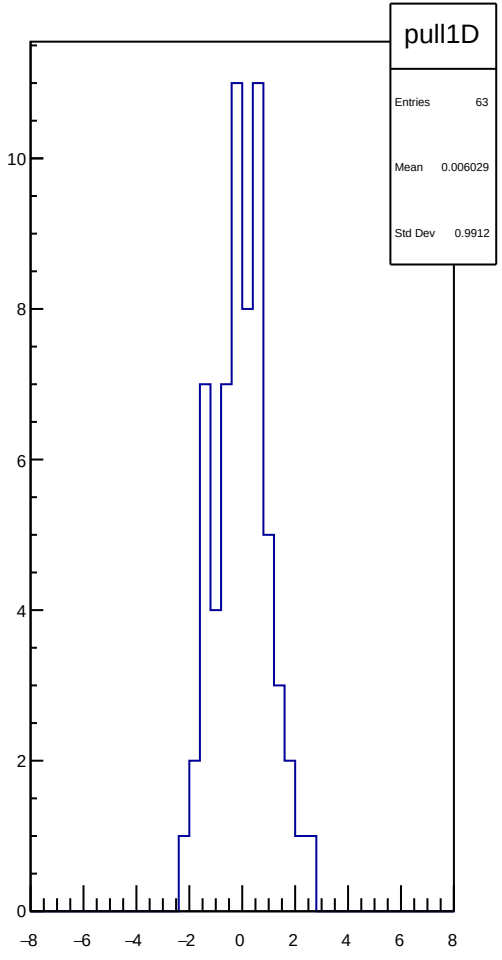

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 62
p0 644.5 ± 0.595
1000
900
800
700
600
500
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

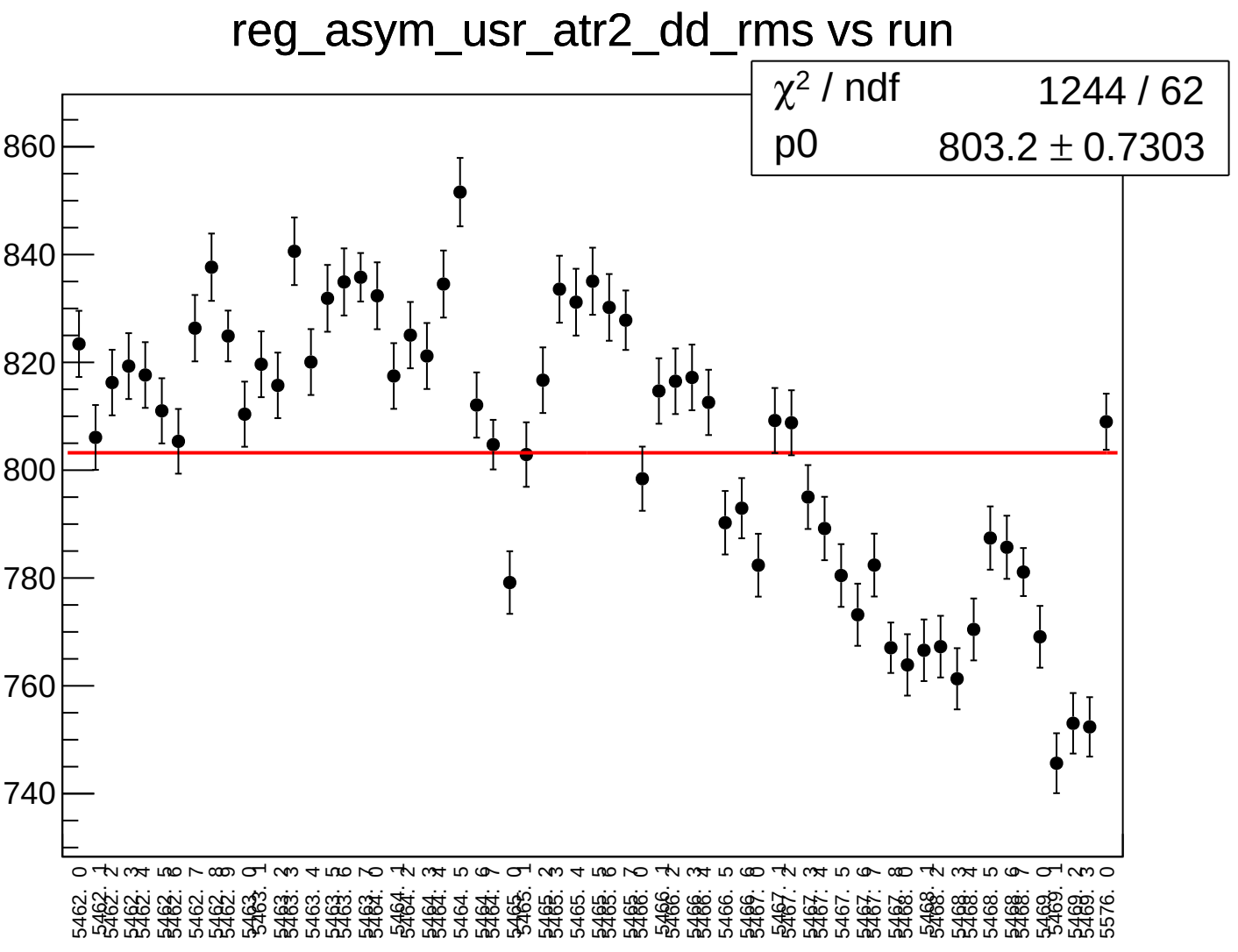

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.38 / 62
p0 −2.558e−13 ± 1.276e−13
pull
Entries 63
Mean −20.49
Std Dev 0

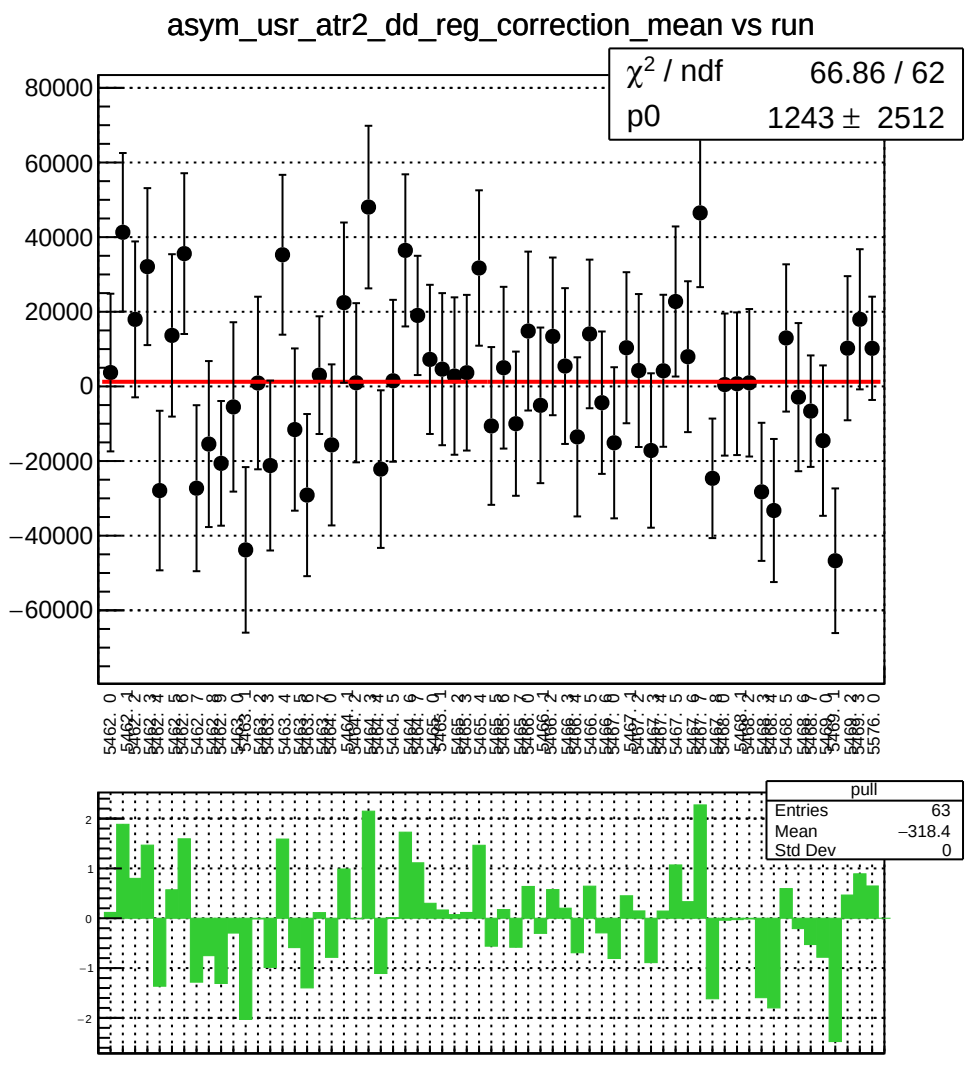

pull1D
Entries 63
Mean 0.08028
Std Dev 0.8727

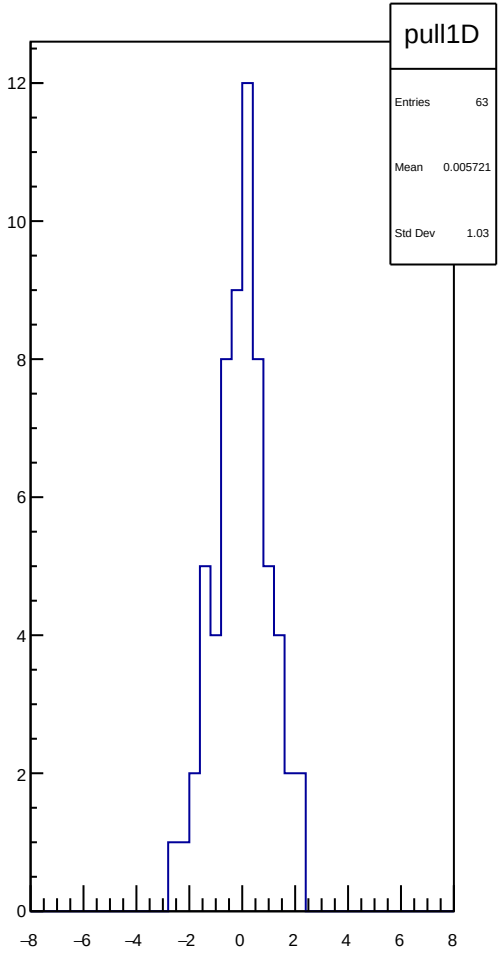

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.531e+05 / 62
p0 7.853e−11 ± 9.022e−14
0.6
0.5
0.4
0.3
0.2
0.1
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

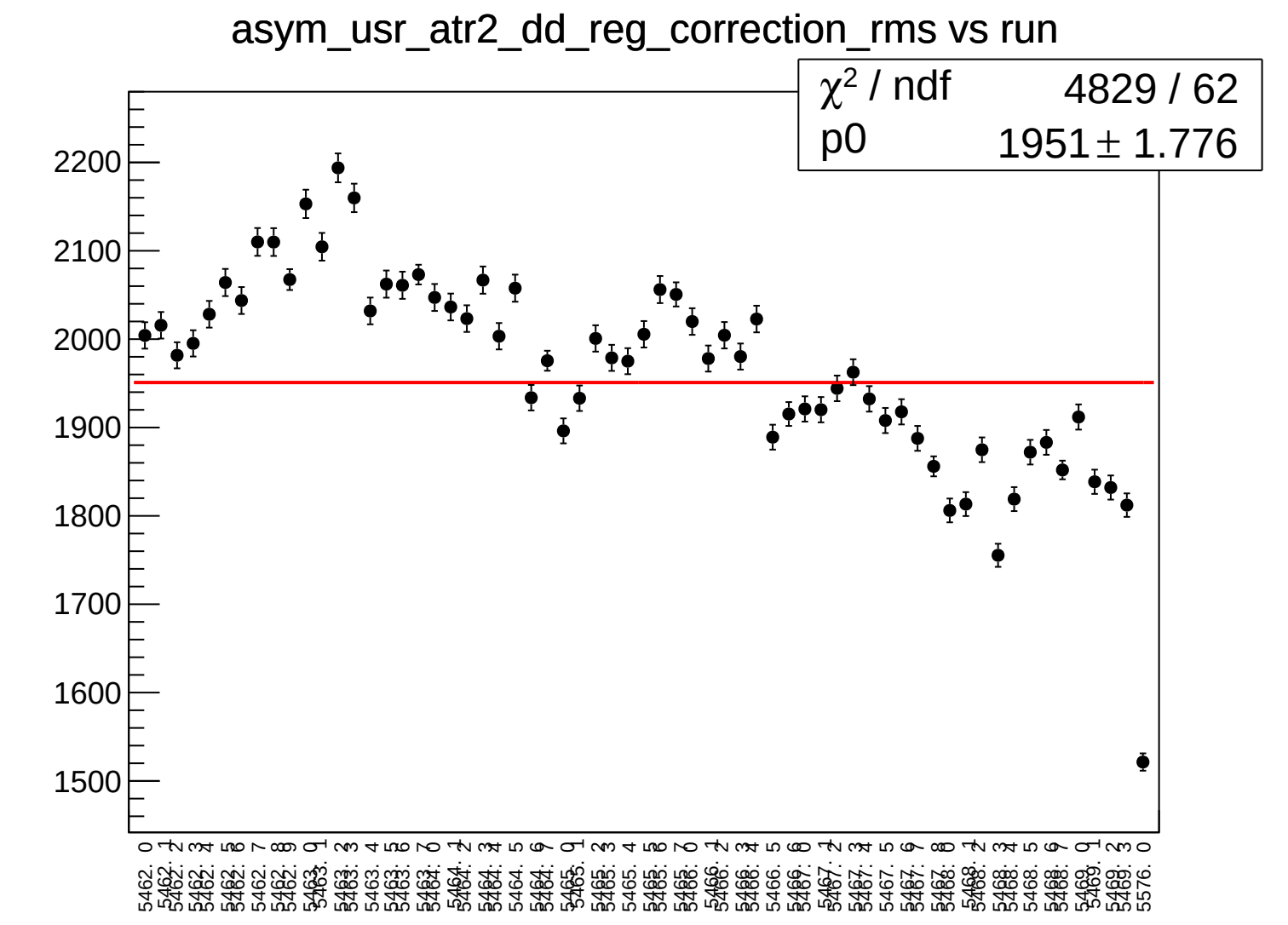

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.9 / 62
p0 −1193 ± 1033
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −66.1
Std Dev 0
2
1
0
−1
−2

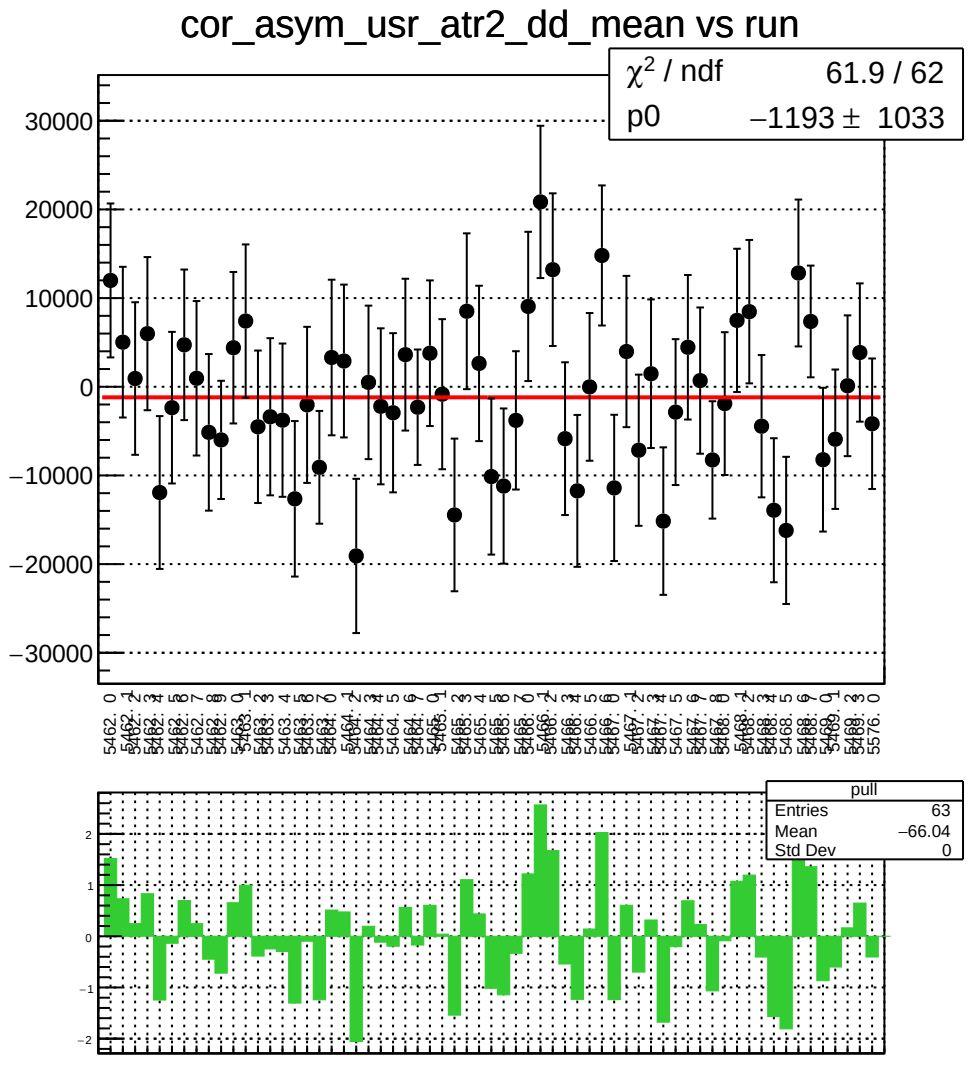

pull1D
Entries 63
Mean 0.006029
Std Dev 0.9912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

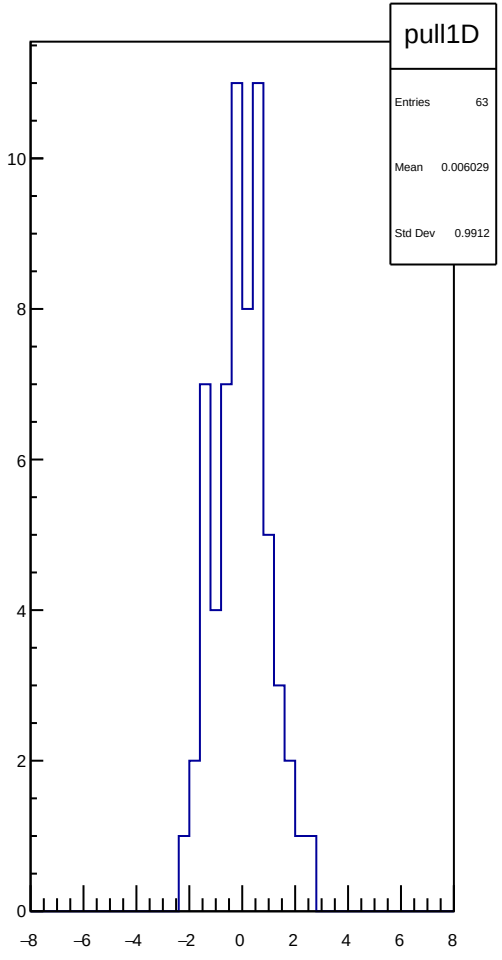

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 1244 / 62
p0 803.2 ± 0.7303
860
840
820
800
780
760
740

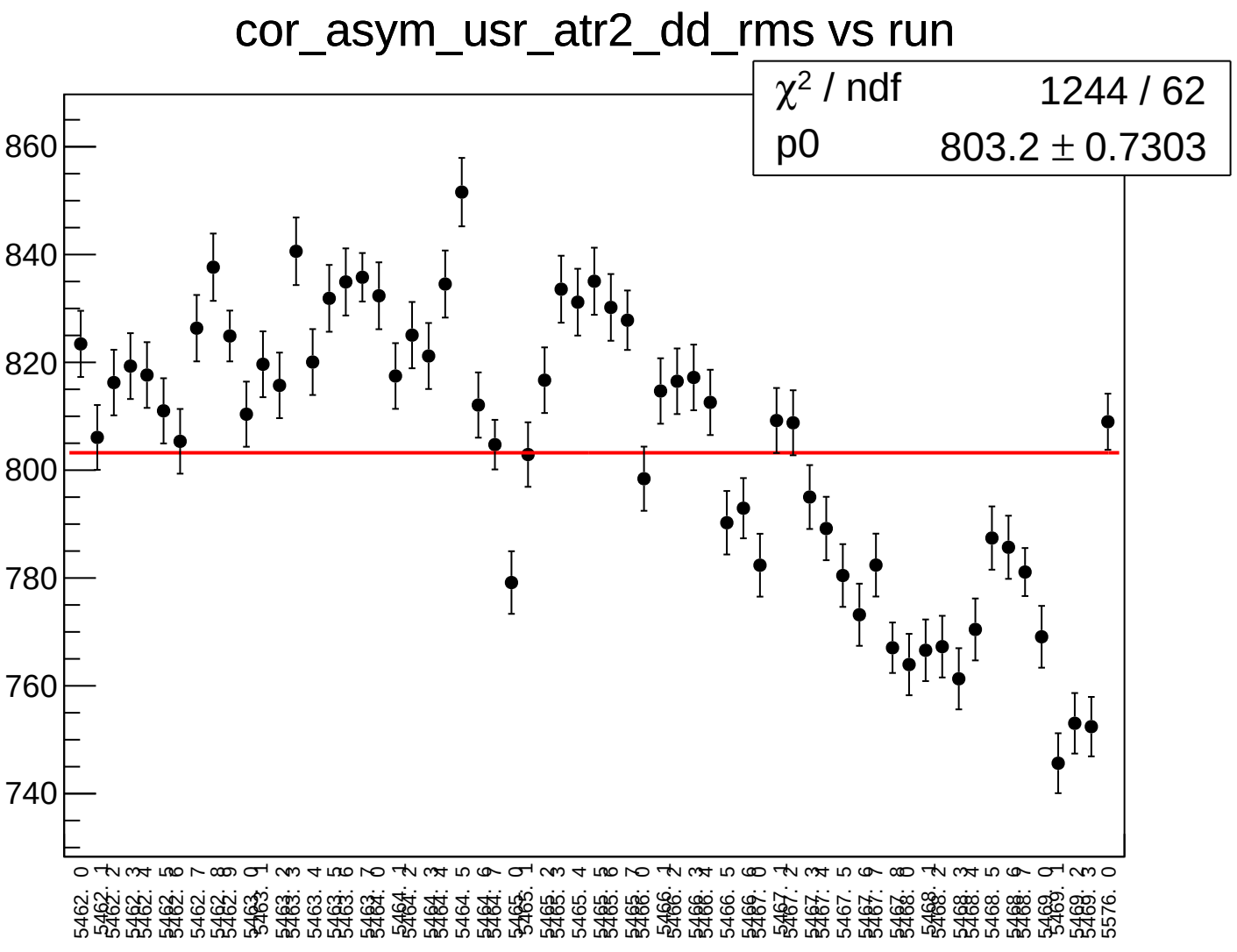

asym_usr_atr2_dd_reg_correction_mean vs run
χ² / ndf 66.86 / 62
p0 1243 ± 2512
pull
Entries 63
Mean −318.4
Std Dev 0

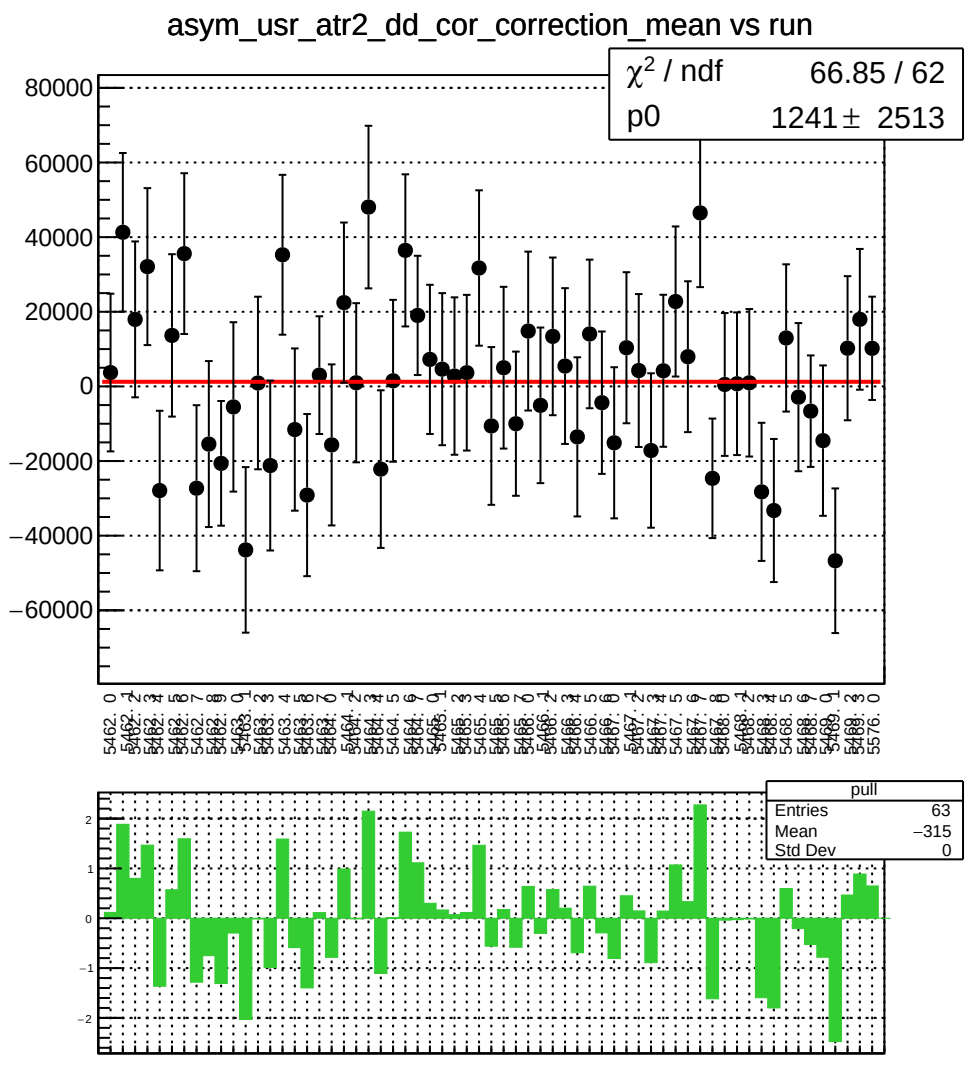

pull1D
Entries 63
Mean 0.005721
Std Dev 1.03

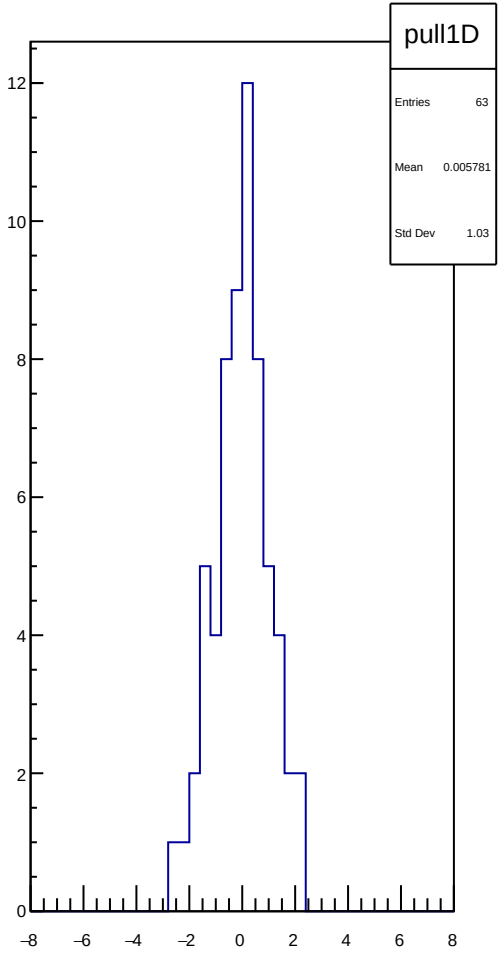

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 4829 / 62
p0 1951 ± 1.776
2200
2100
2000
1900
1800
1700
1600
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

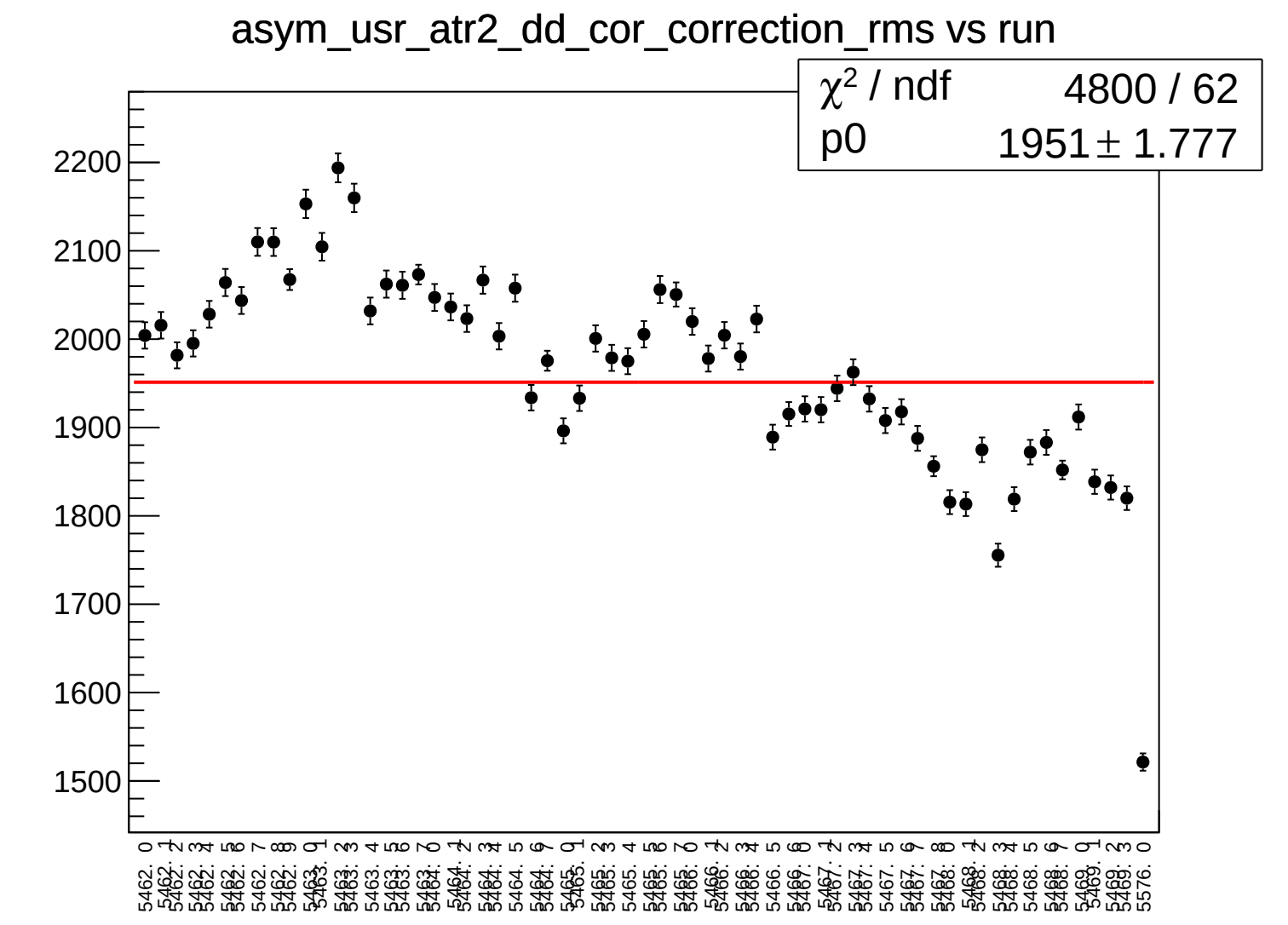

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.9 / 62
p0 −1193 ± 1033
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −66.04
Std Dev 0
2
1
0
−1
−2

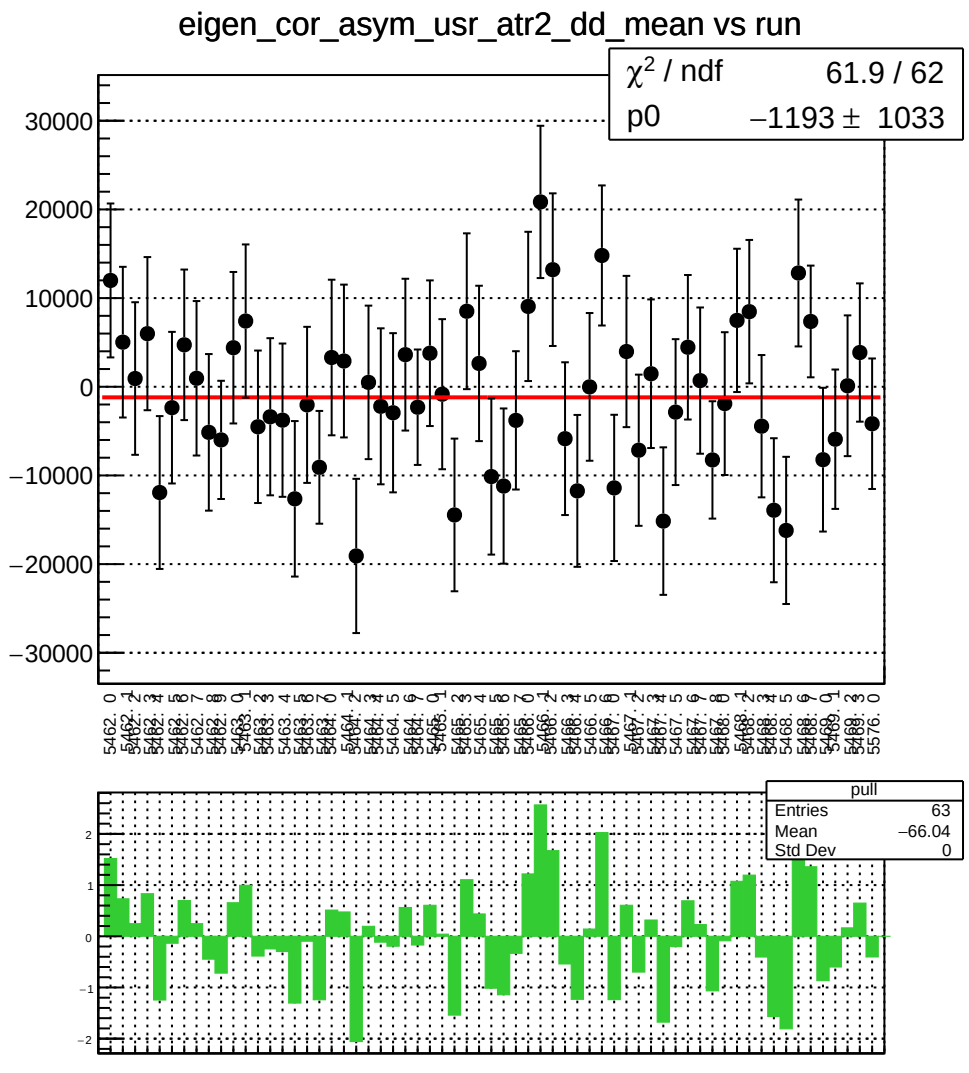

pull1D
Entries 63
Mean 0.006029
Std Dev 0.9912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

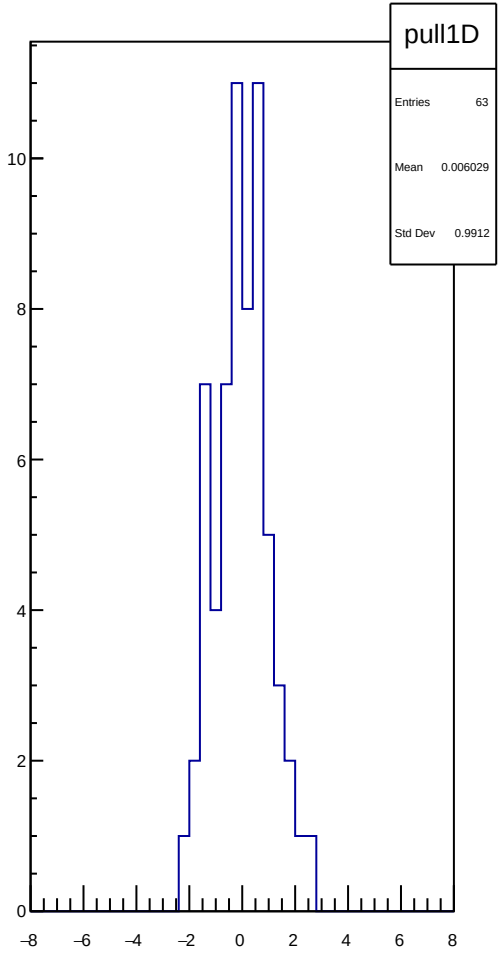

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1244 / 62
p0 803.2 ± 0.7303
860
840
820
800
780
760
740

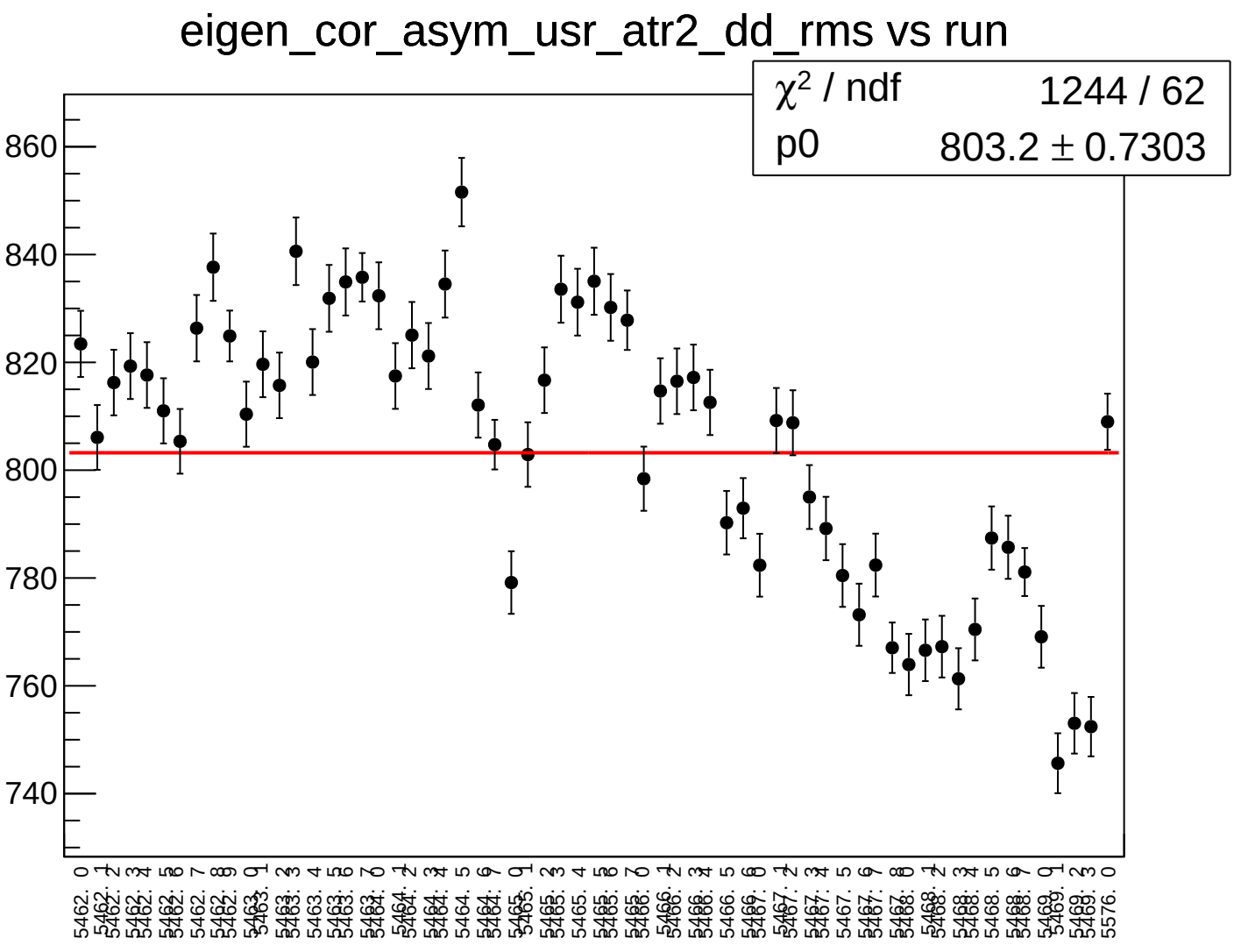

asym_usr_atr2_dd_cor_correction_mean vs run
χ² / ndf 66.85 / 62
p0 1241 ± 2513
pull
Entries 63
Mean −315
Std Dev 0

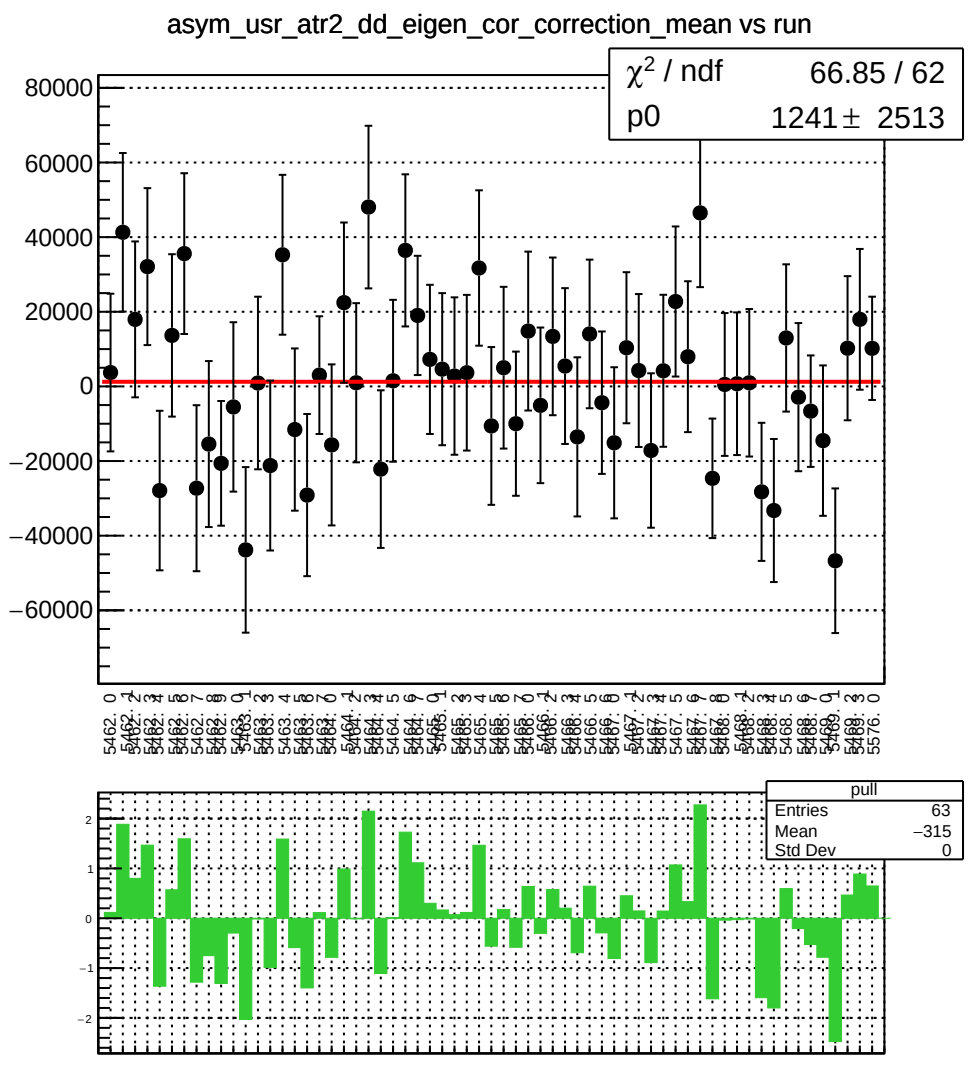

pull1D
Entries 63
Mean 0.005781
Std Dev 1.03

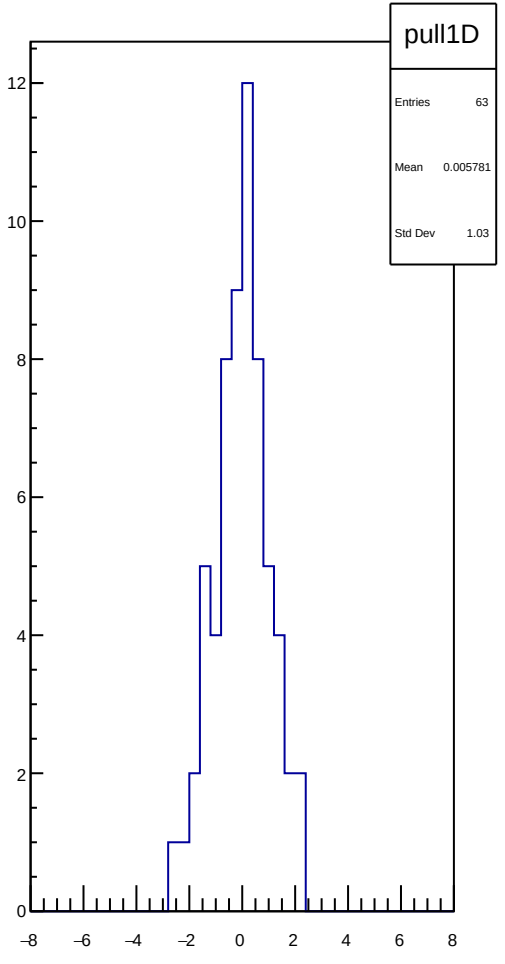

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 4800 / 62
p0 1951 ± 1.777
2200
2100
2000
1900
1800
1700
1600
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

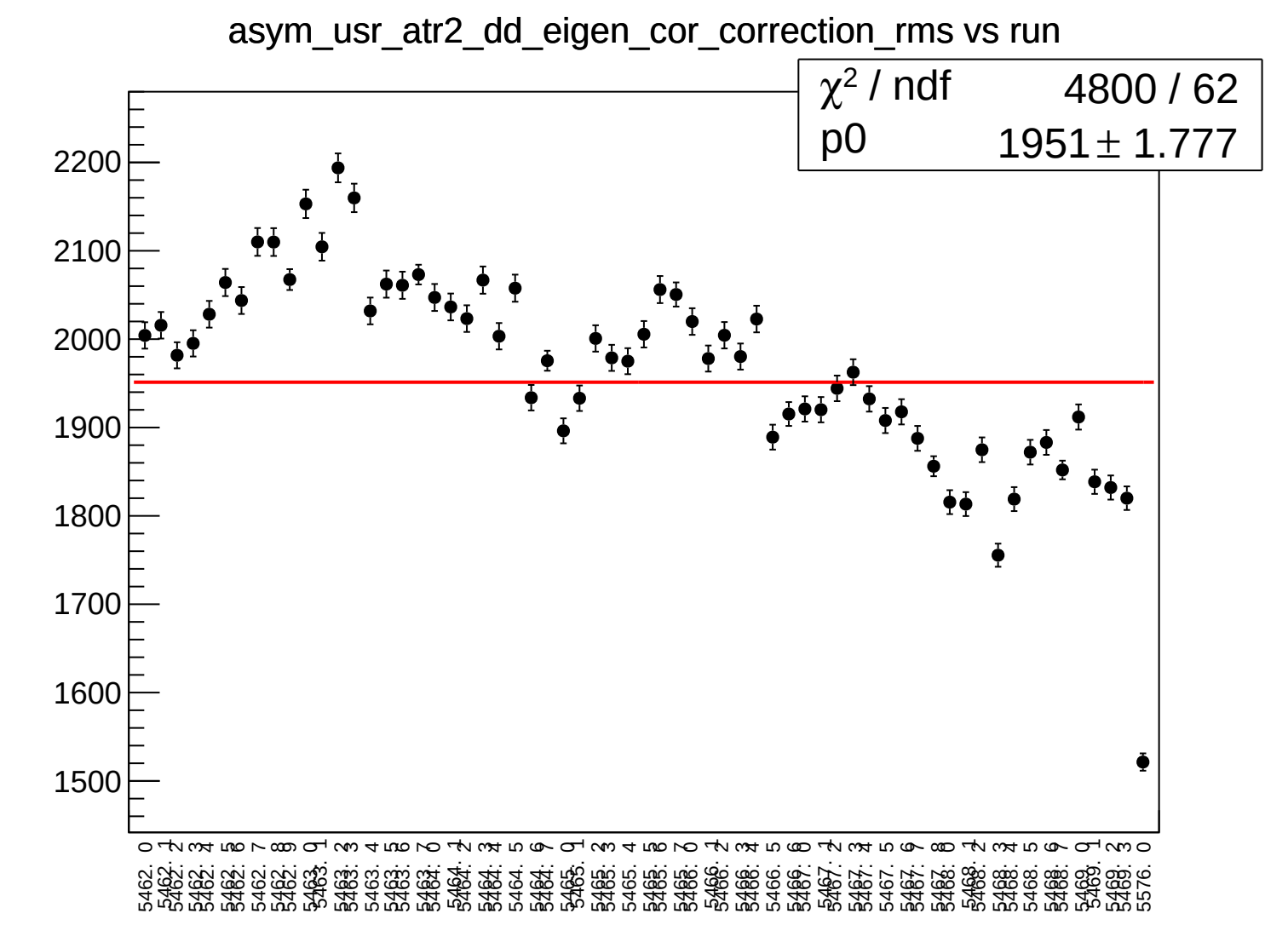

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.9 / 62
p0 −1193 ± 1033
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −66.04
Std Dev 0
2
1
0
−1
−2

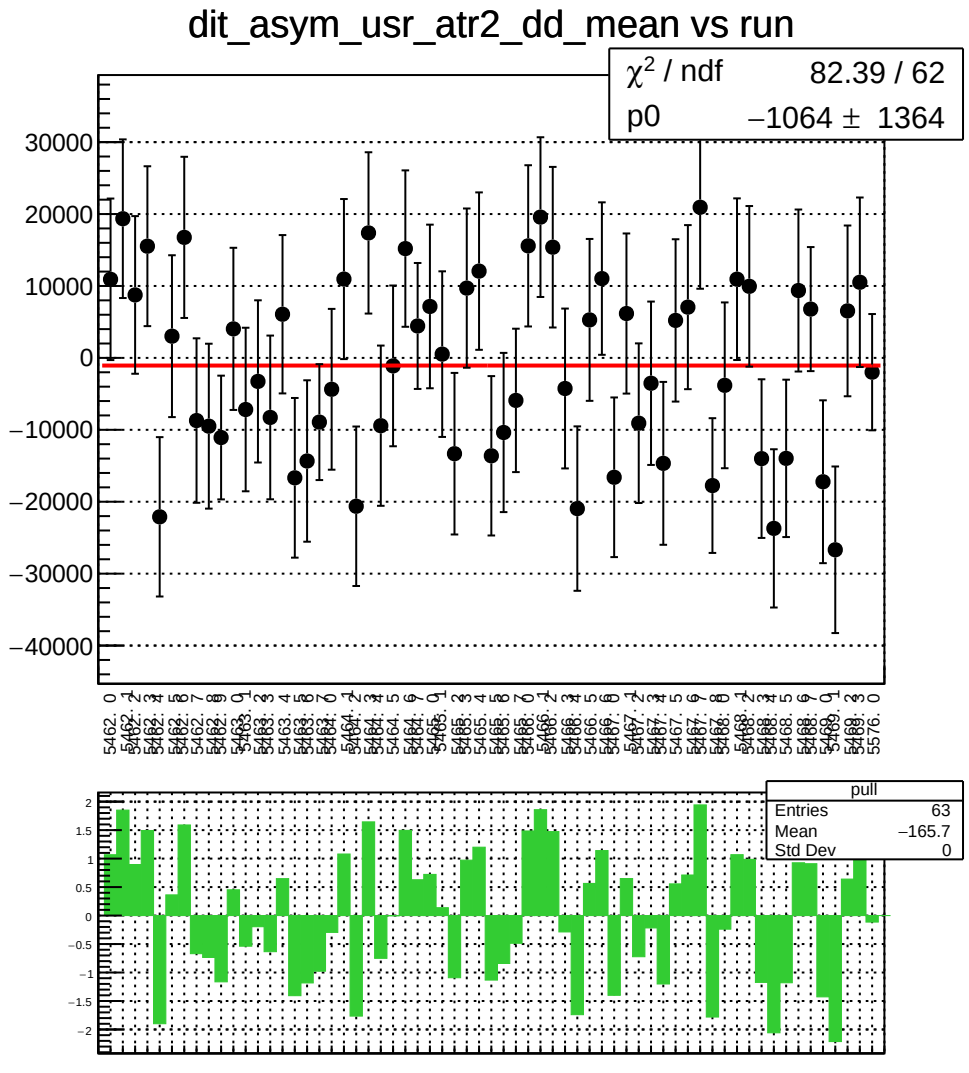

pull1D
Entries 63
Mean 0.006029
Std Dev 0.9912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

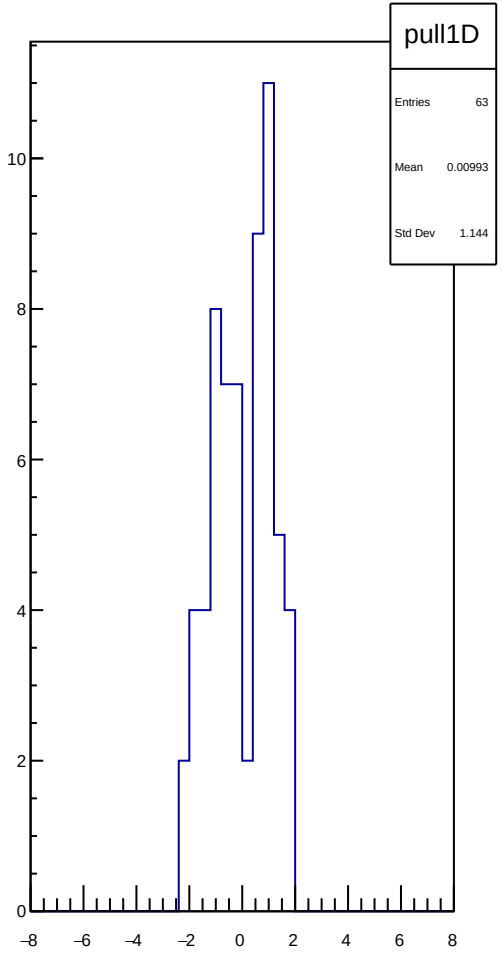

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1244 / 62
p0 803.2 ± 0.7303
860
840
820
800
780
760
740

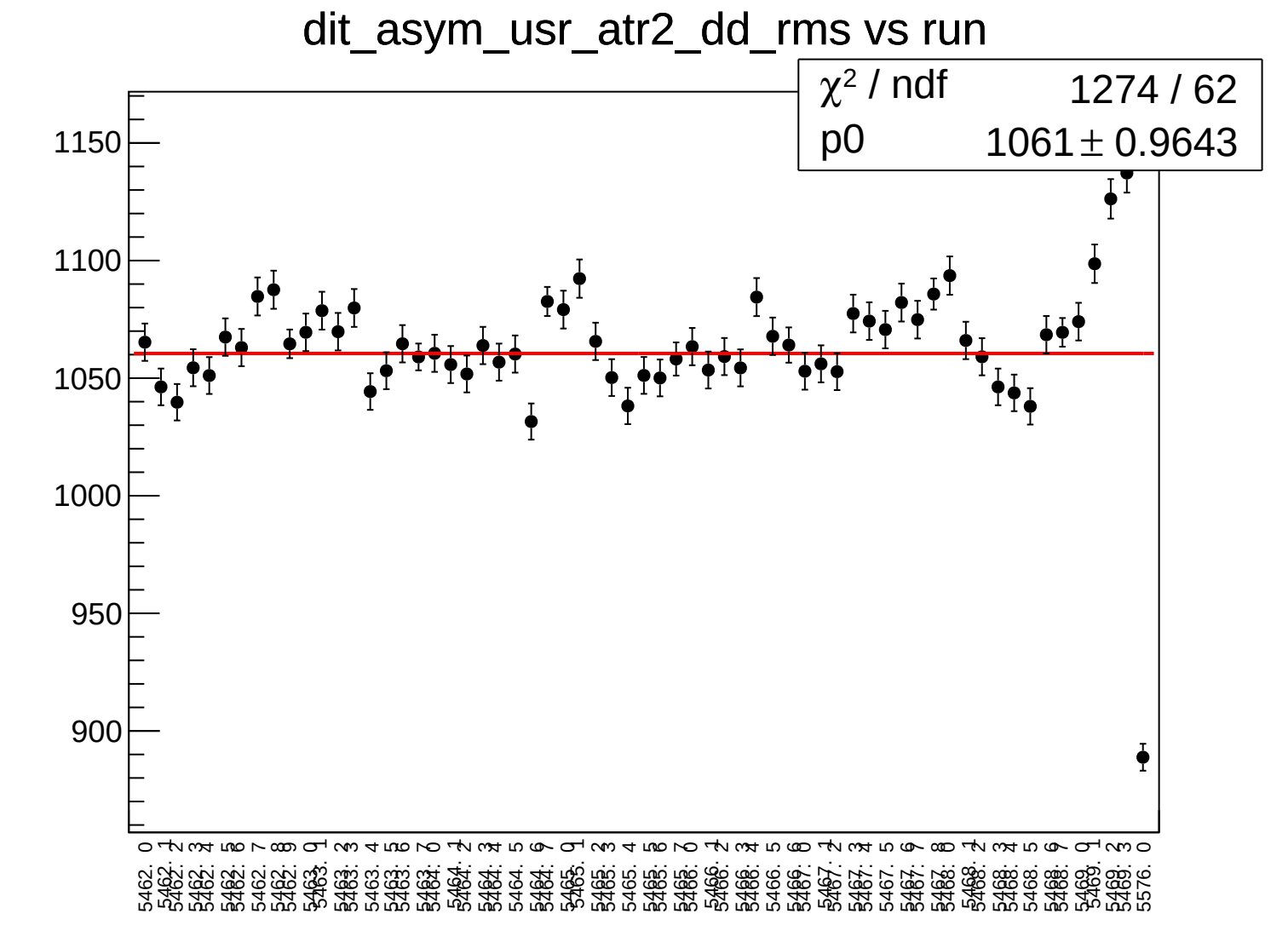

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.85 / 62
p0 1241 ± 2513
pull
Entries 63
Mean −315
Std Dev 0

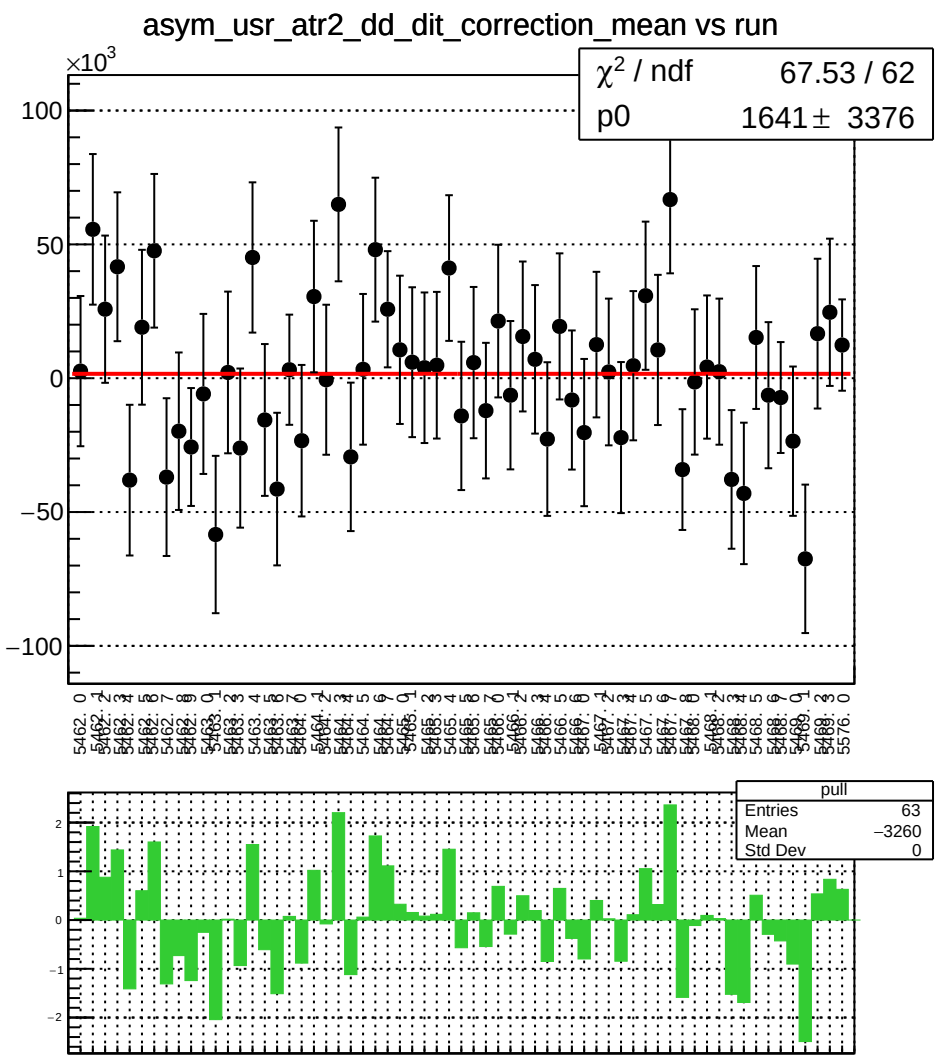

pull1D
Entries 63
Mean 0.005781
Std Dev 1.03

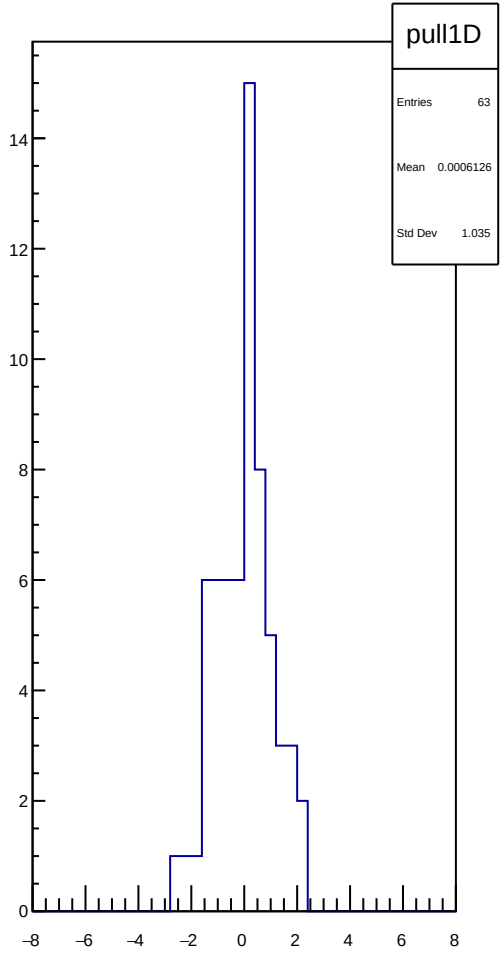

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4800 / 62
p0 1951 ± 1.777
2200
2100
2000
1900
1800
1700
1600
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

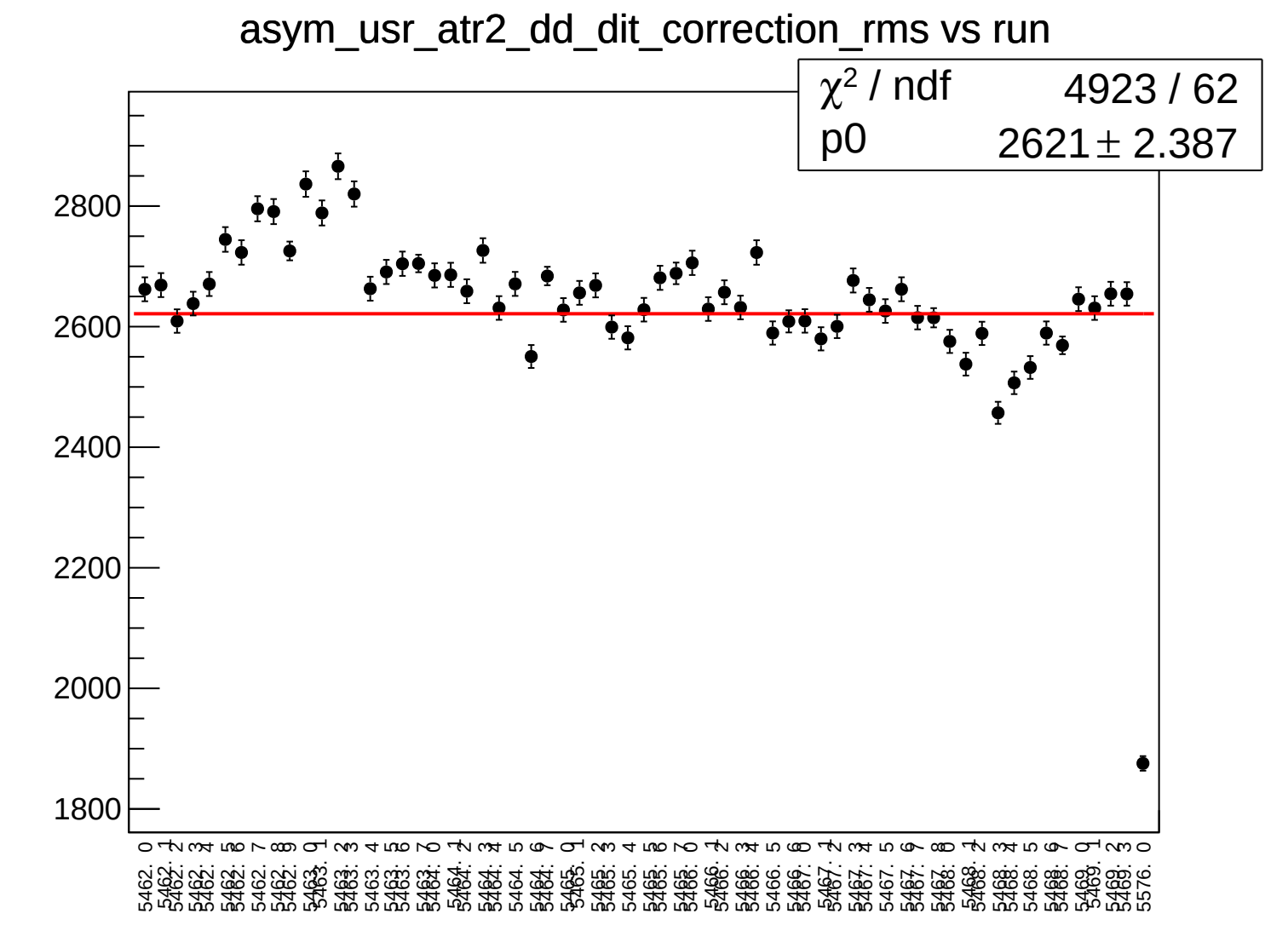

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 82.39 / 62
p0 −1064 ± 1364
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 63
Mean −165.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

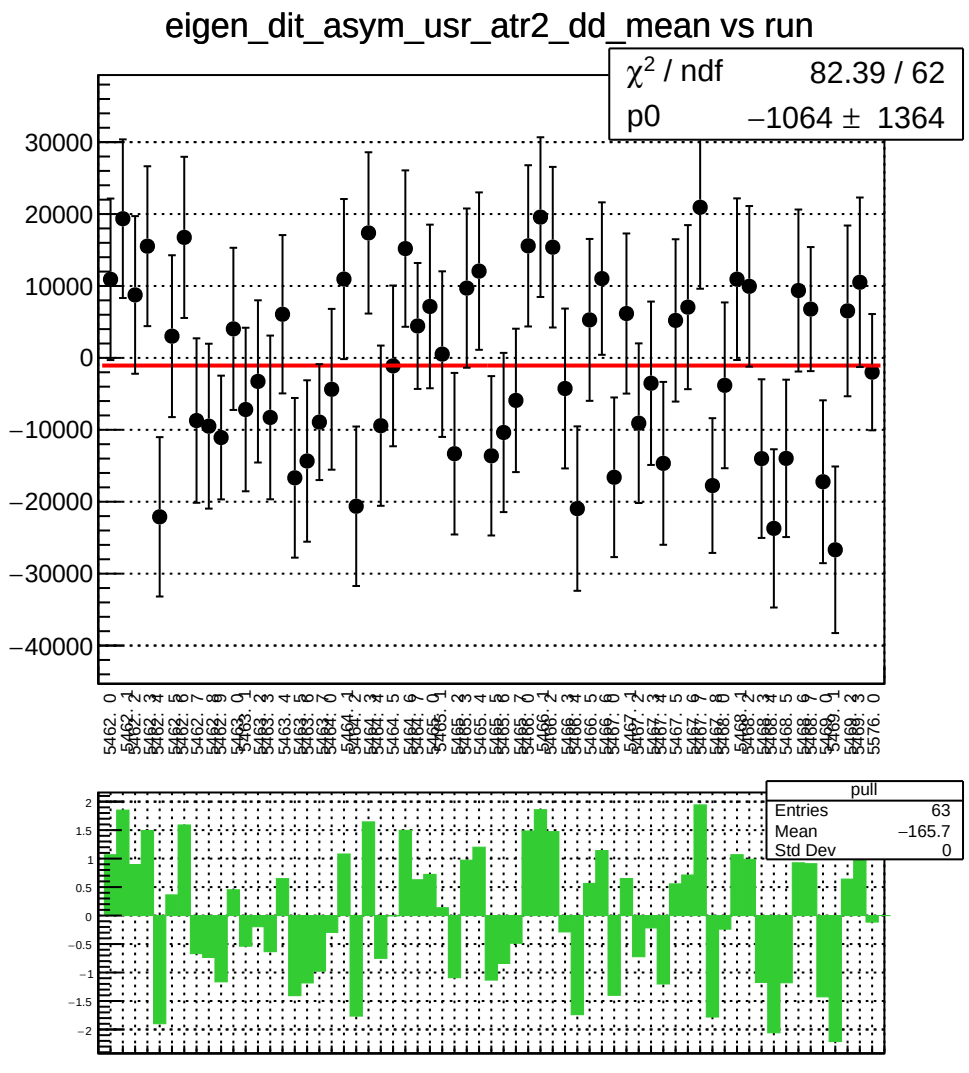

pull1D
Entries 63
Mean 0.00993
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

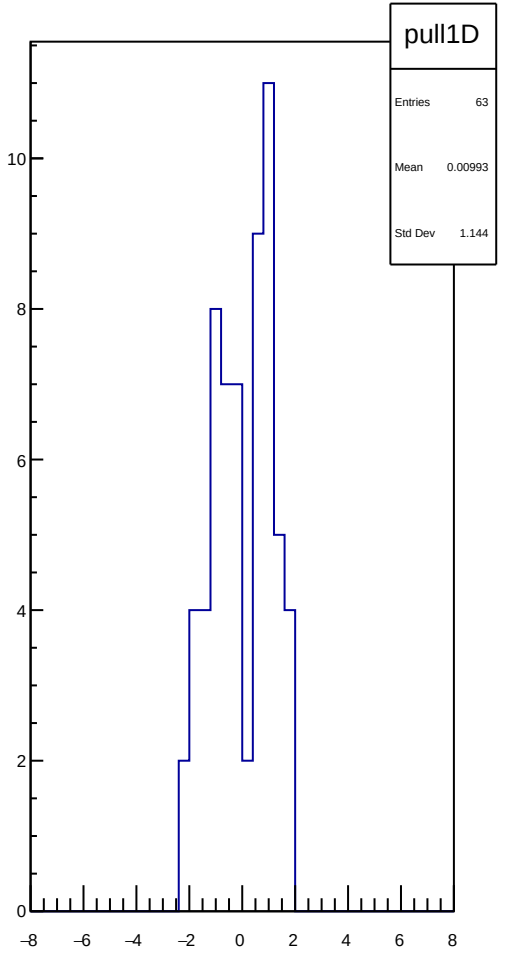

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1274 / 62
p0 1061 ± 0.9643
1150
1100
1050
1000
950
900

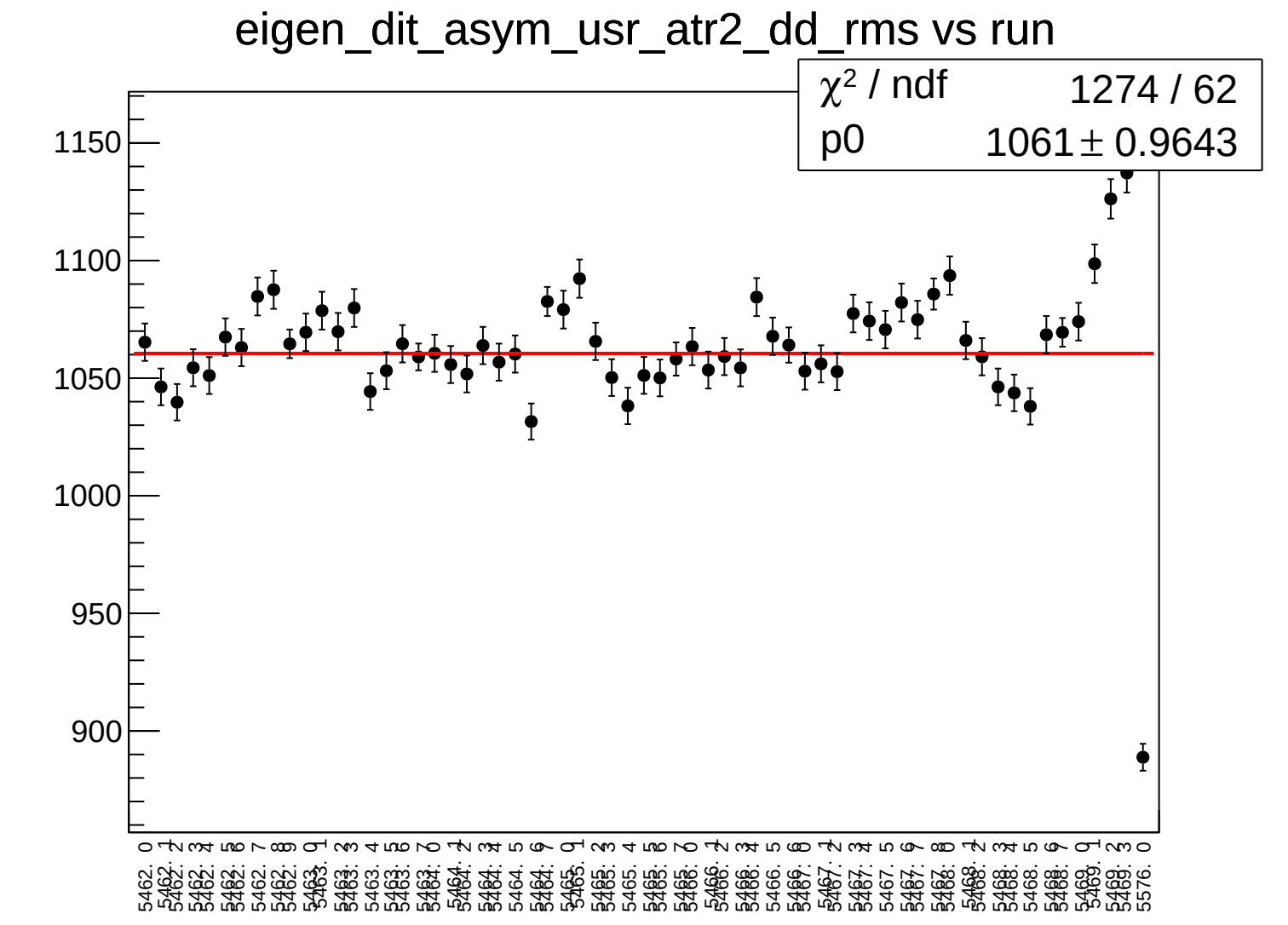

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 67.53 / 62
p0 1641 ± 3376
100
50
0
−50
−100
pull
Entries 63
Mean −3260
Std Dev 0
2
1
0
−1
−2

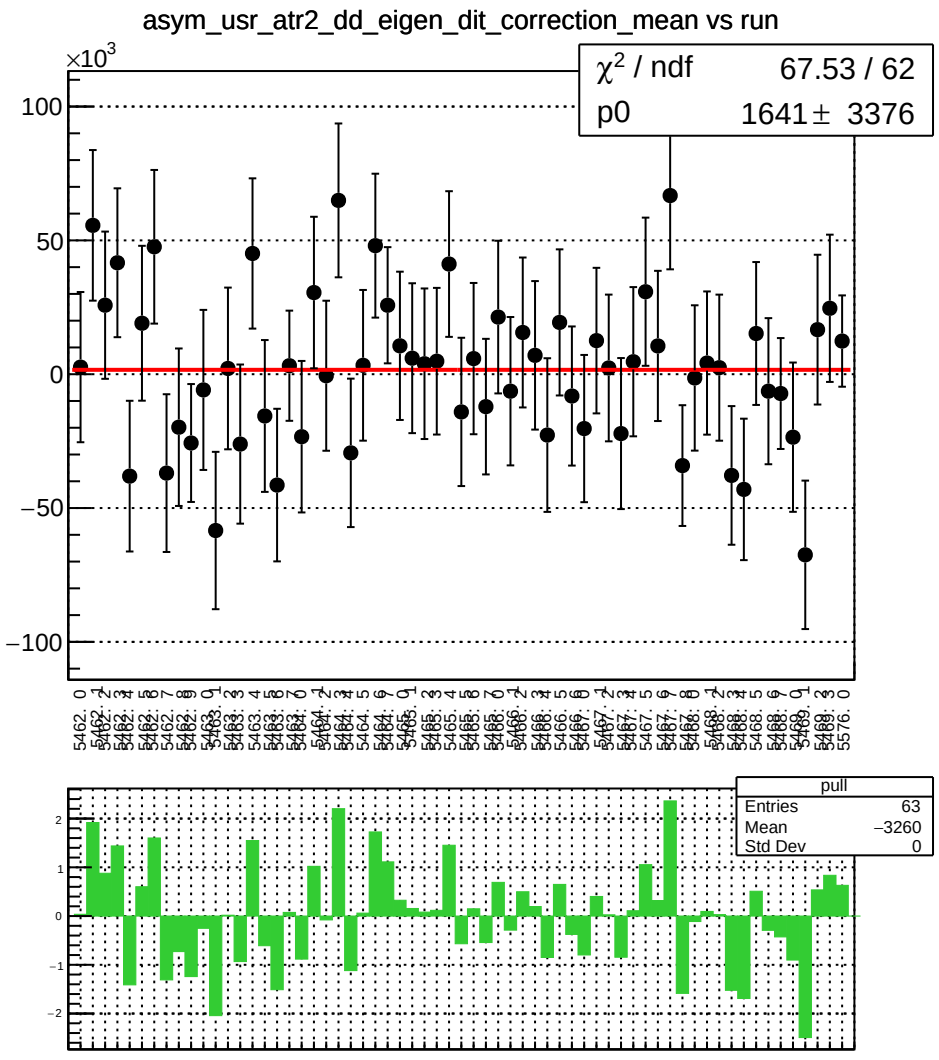

pull1D
Entries 63
Mean 0.0006126
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

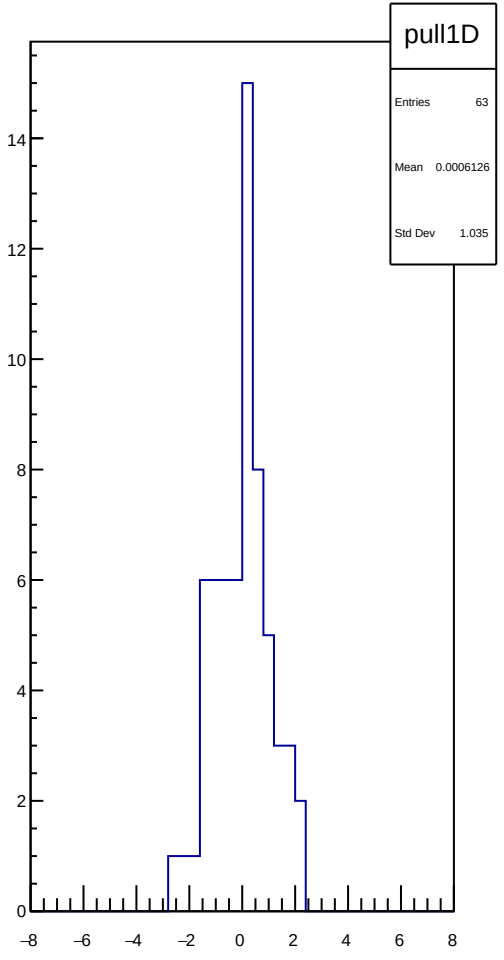

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 4923 / 62
p0 2621 ± 2.387
2800
2600
2400
2200
2000
1800

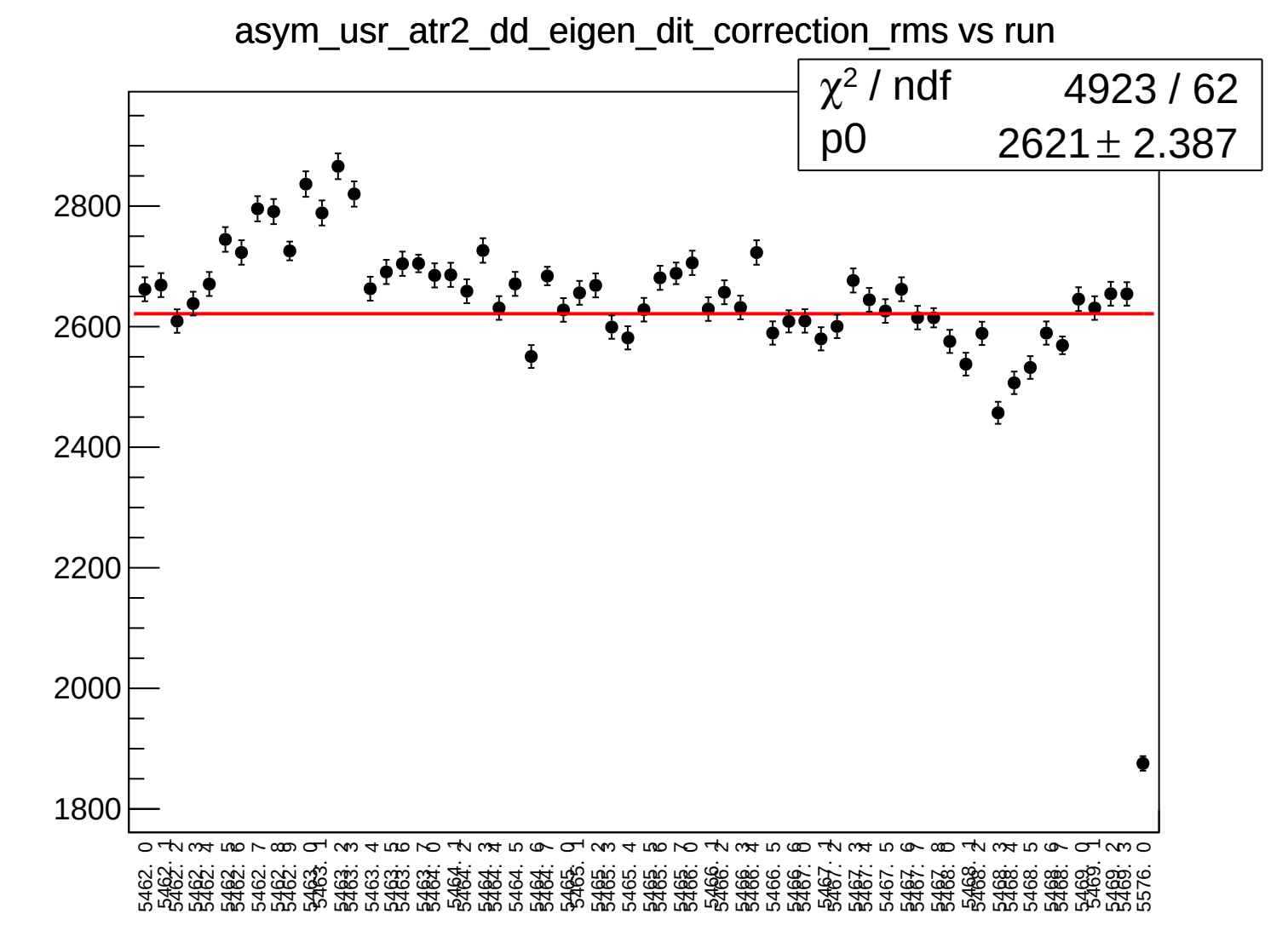

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 82.39 / 62
p0 −1064 ± 1364
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 63
Mean −165.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

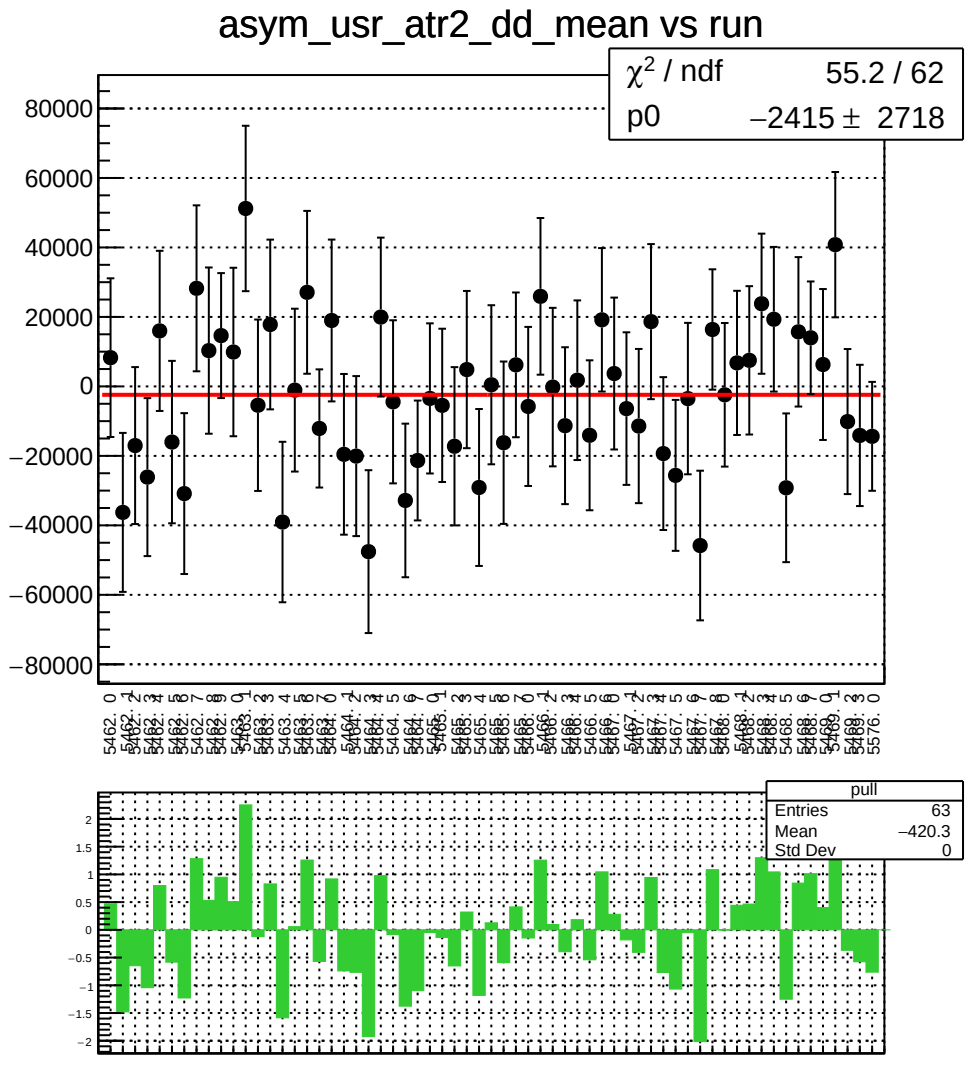

pull1D
Entries 63
Mean 0.00993
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

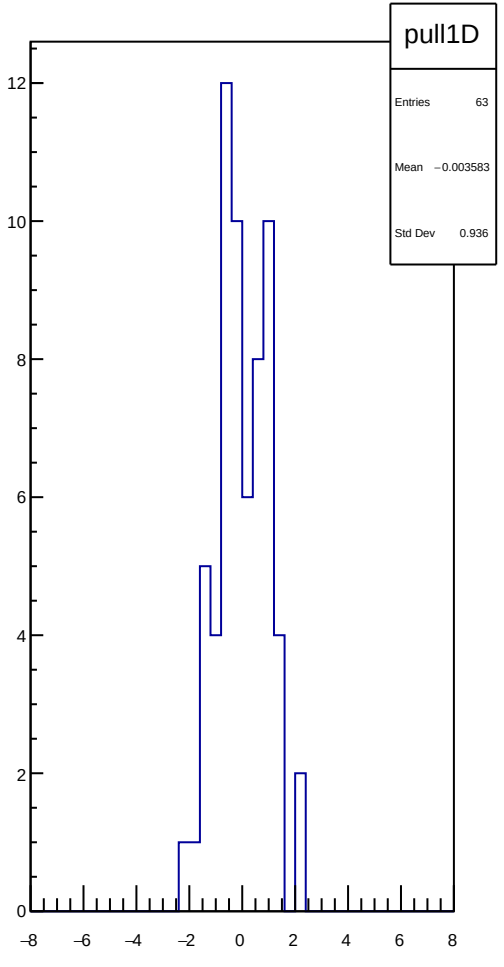

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1274 / 62
p0 1061 ± 0.9643
1150
1100
1050
1000
950
900
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

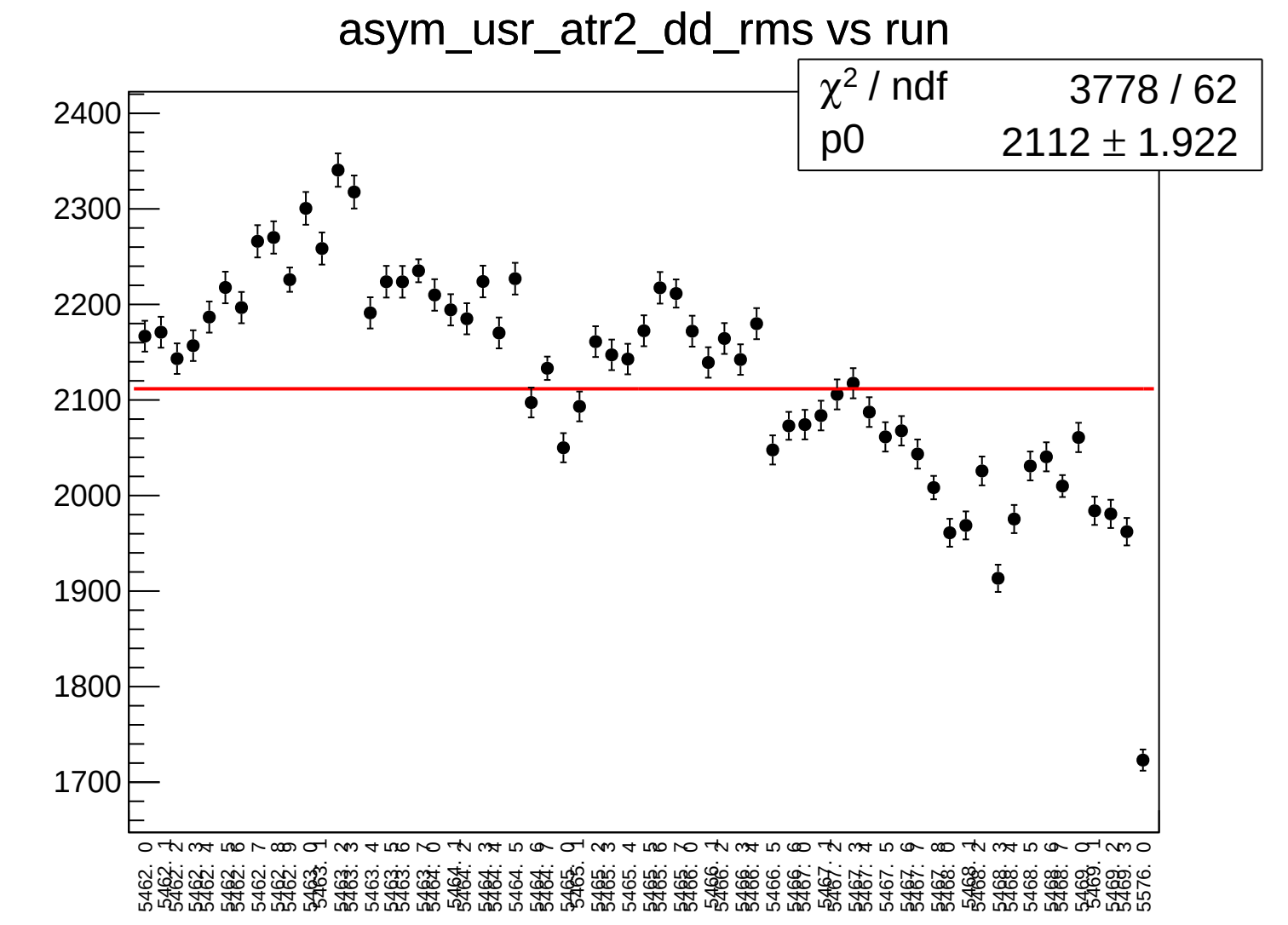

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.53 / 62
p0 1641 ± 3376
100
50
0
−50
−100
pull
Entries 63
Mean −3260
Std Dev 0
2
1
0
−1
−2

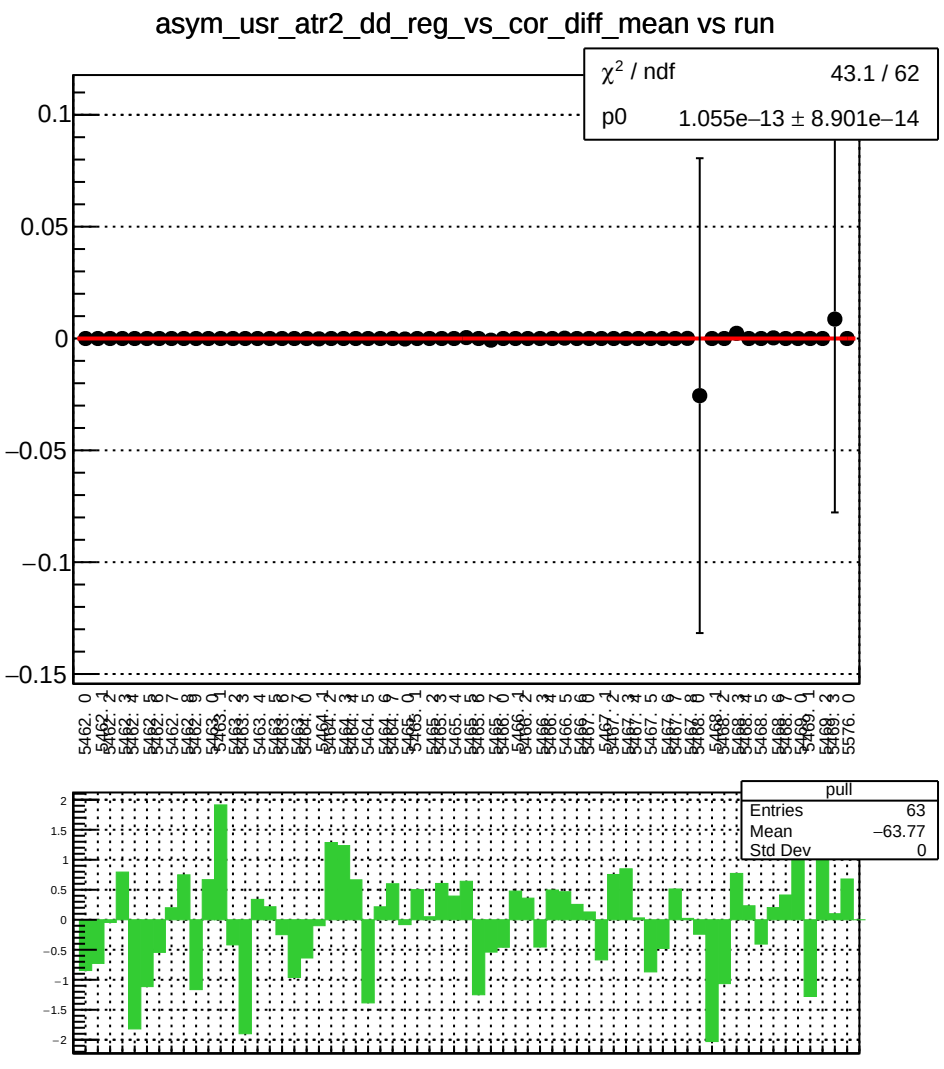

pull1D
Entries 63
Mean 0.0006126
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

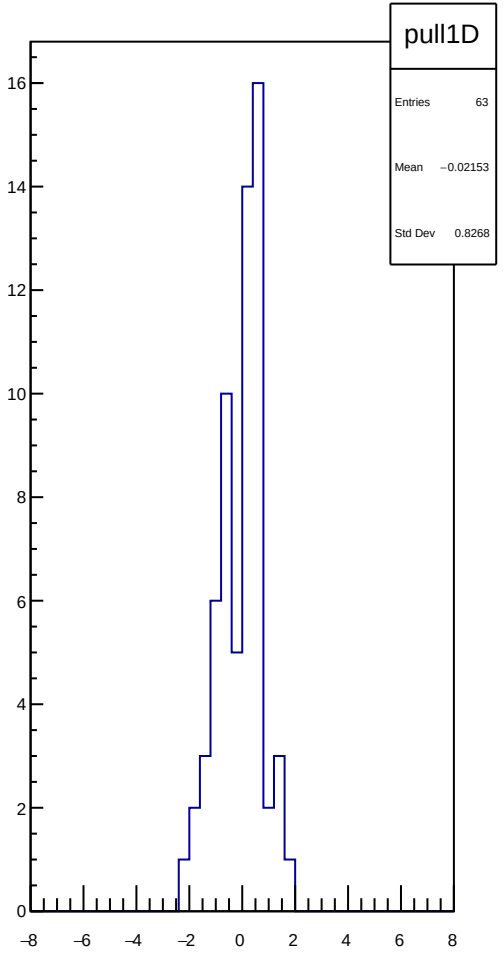

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4923 / 62
p0 2621 ± 2.387
2800
2600
2400
2200
2000
1800

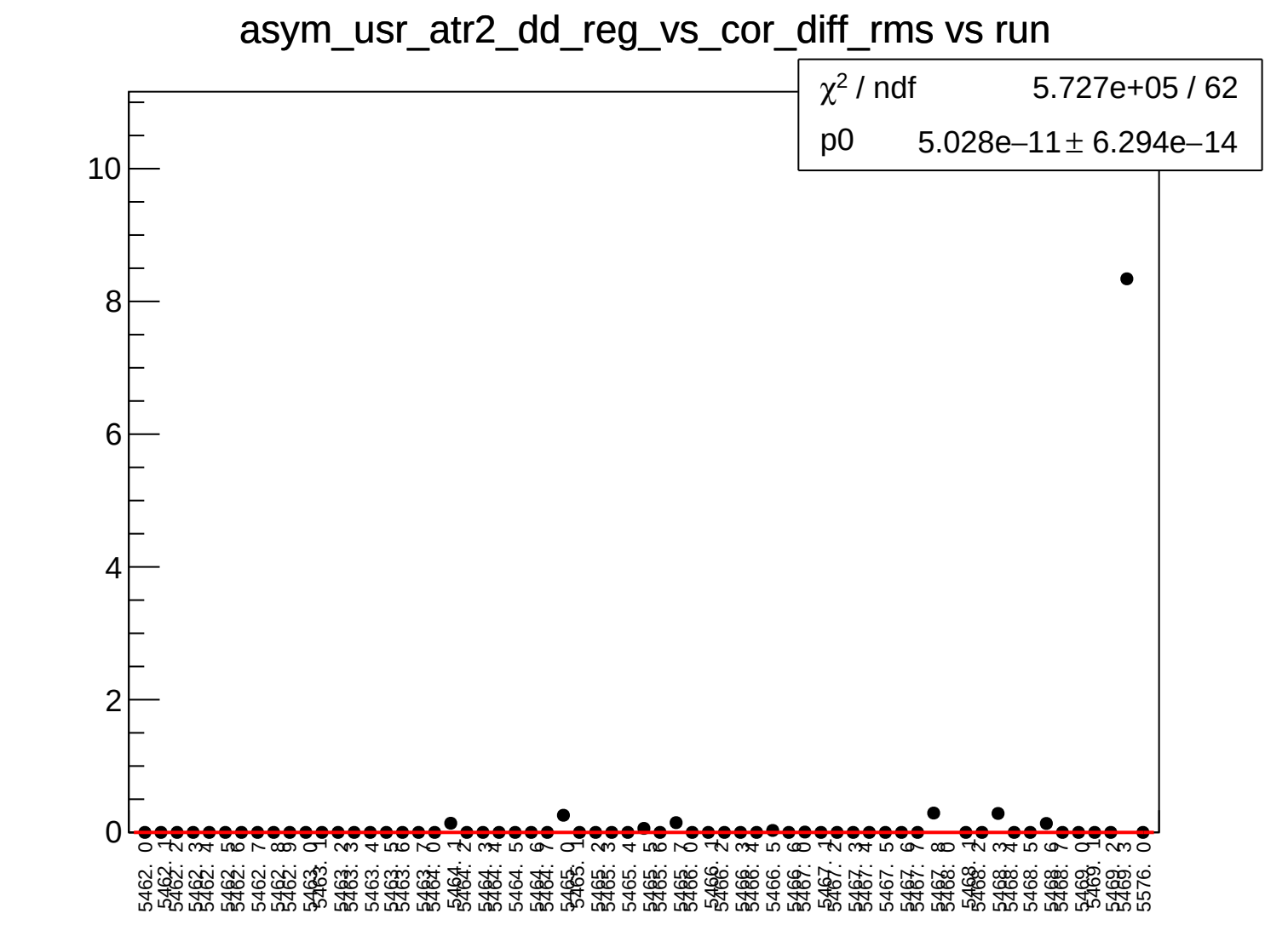

asym_usr_atr2_dd_mean vs run
χ² / ndf 55.2 / 62
p0 −2415 ± 2718
pull
Entries 63
Mean −420.3
Std Dev 0

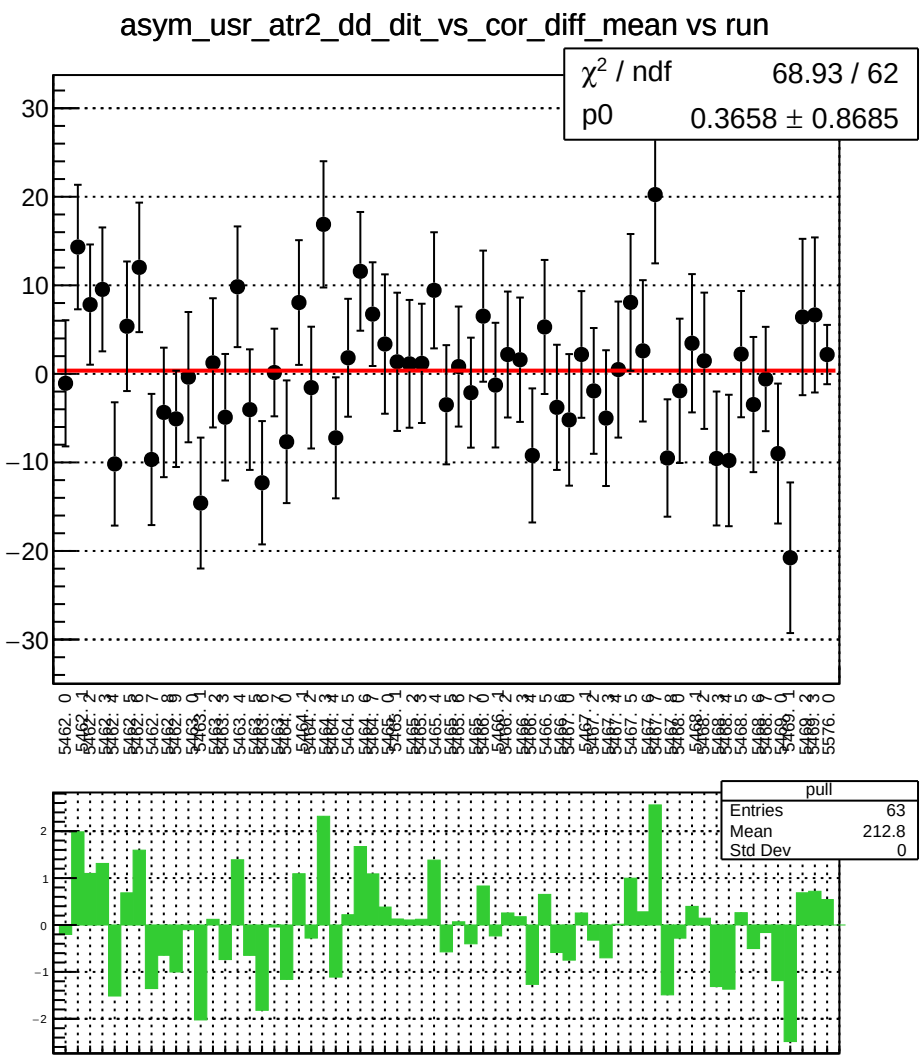

pull1D
Entries 63
Mean −0.003583
Std Dev 0.936

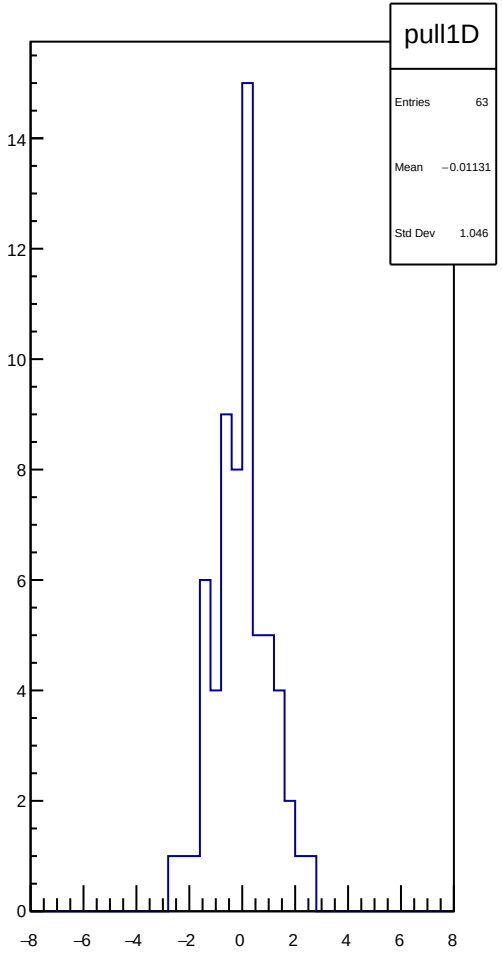

asym_usr_atr2_dd_rms vs run
χ² / ndf 3778 / 62
p0 2112 ± 1.922
2400
2300
2200
2100
2000
1900
1800
1700

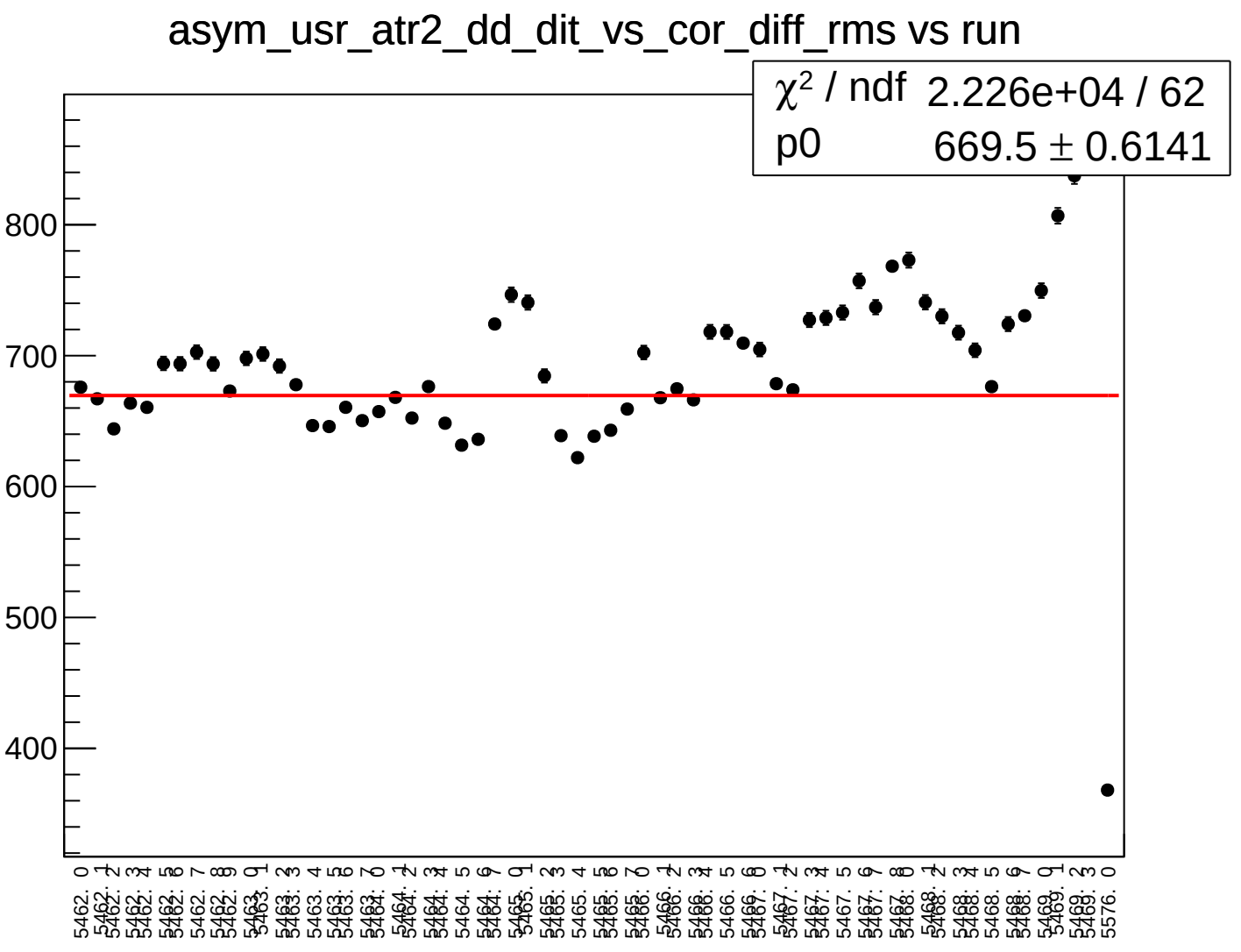

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.1 / 62
p0 1.055e−13 ± 8.901e−14
pull
Entries 63
Mean −63.77
Std Dev 0

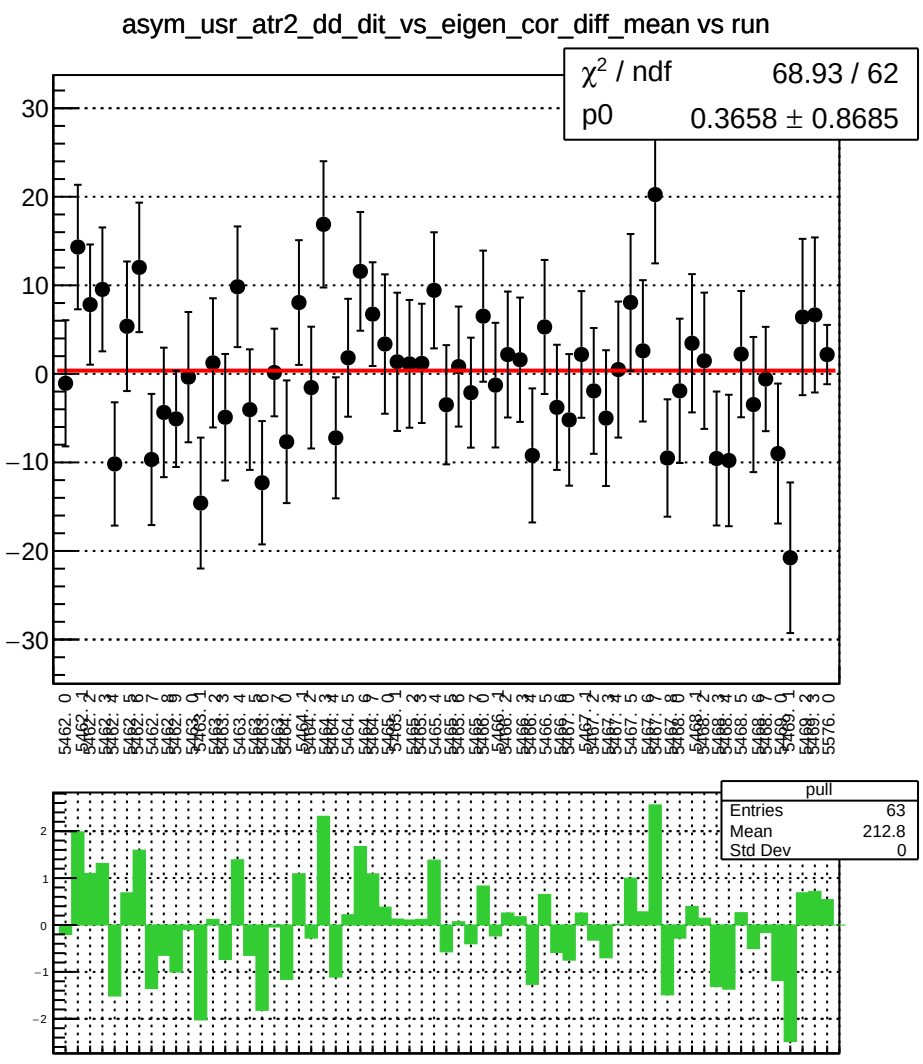

pull1D
Entries 63
Mean −0.02153
Std Dev 0.8268

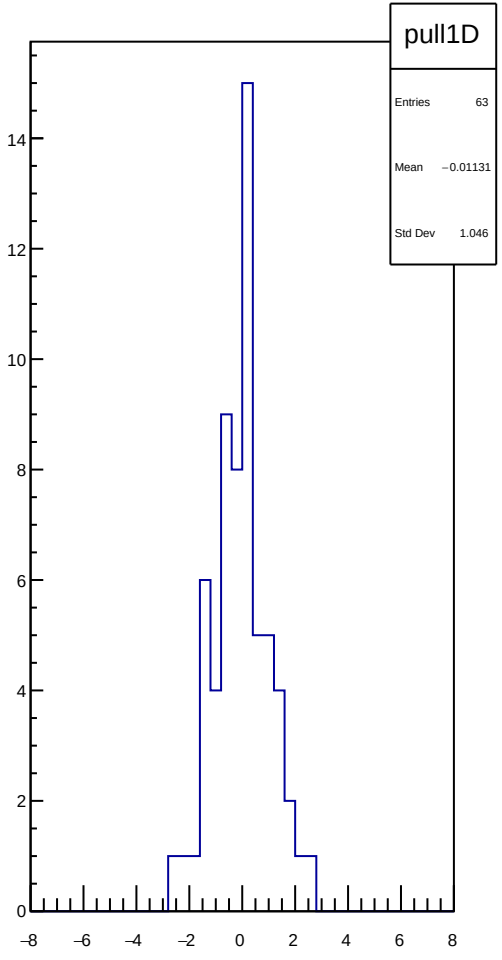

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.727e+05 / 62
p0 5.028e−11 ± 6.294e−14
10
8
6
4
2
0

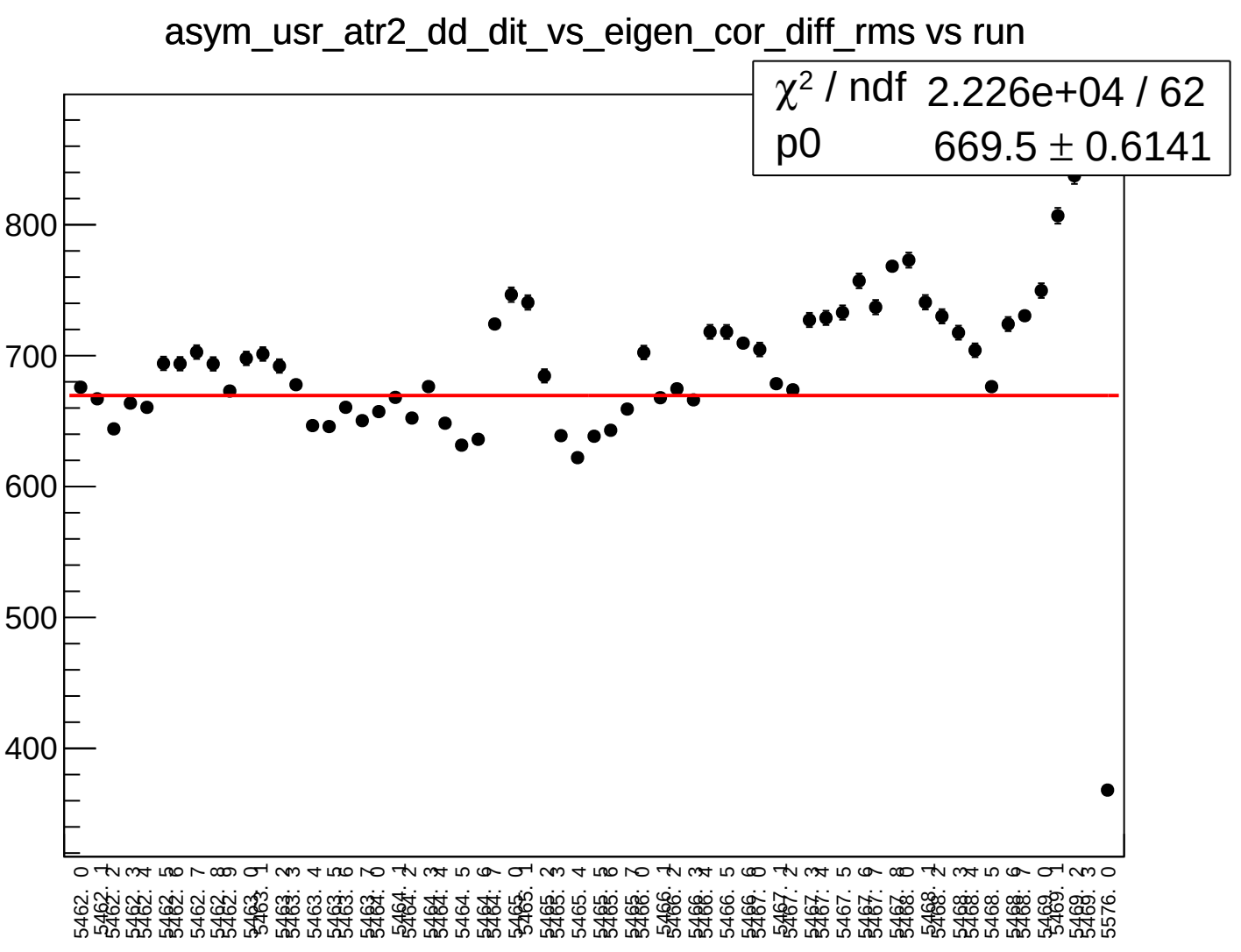

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.93 / 62
p0 0.3658 ± 0.8685
pull
Entries 63
Mean 212.8
Std Dev 0

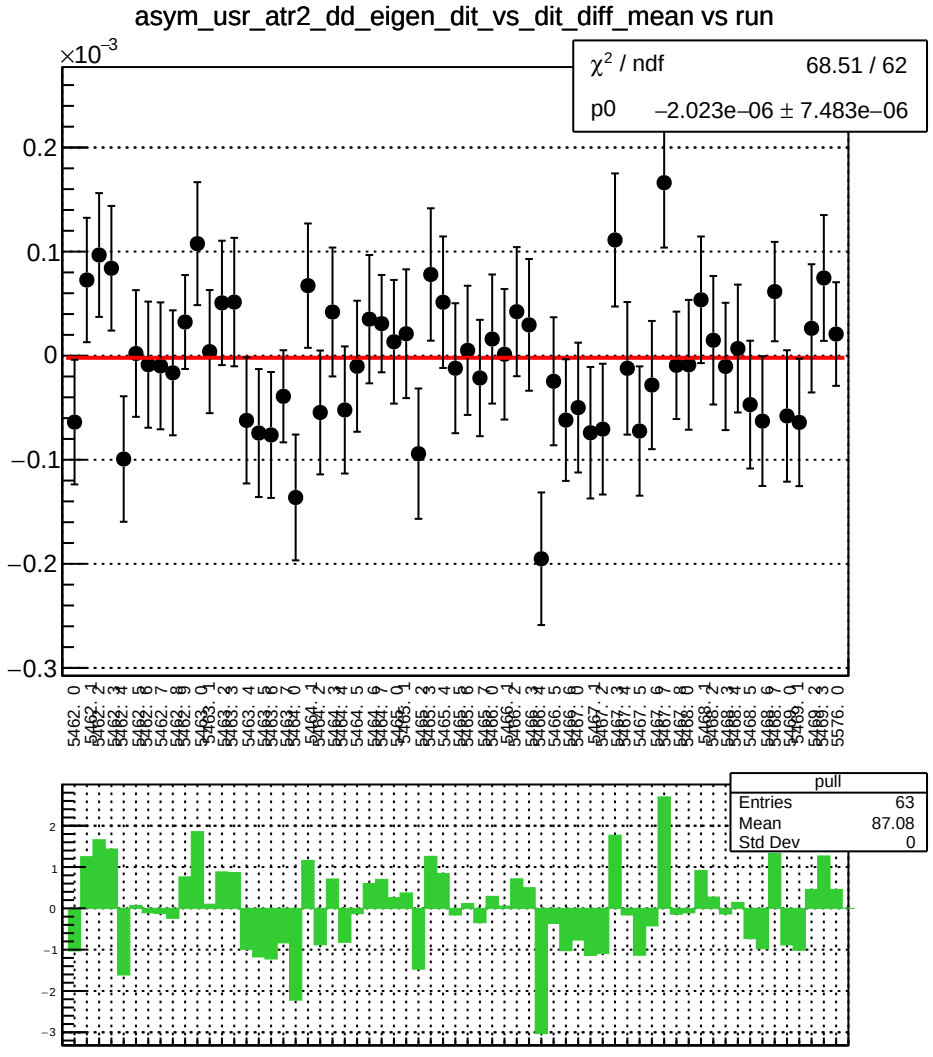

pull1D
Entries 63
Mean −0.01131
Std Dev 1.046

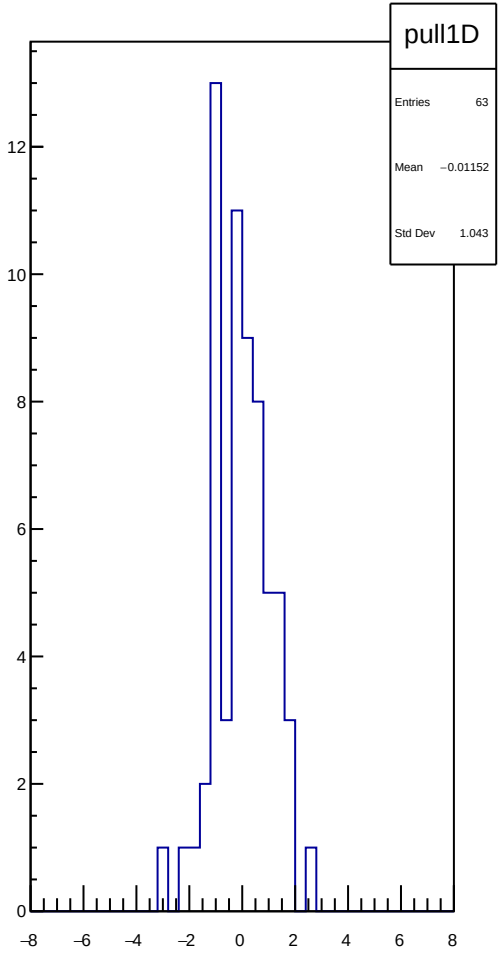

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.226e+04 / 62
p0 669.5 ± 0.6141
800
700
600
500
400

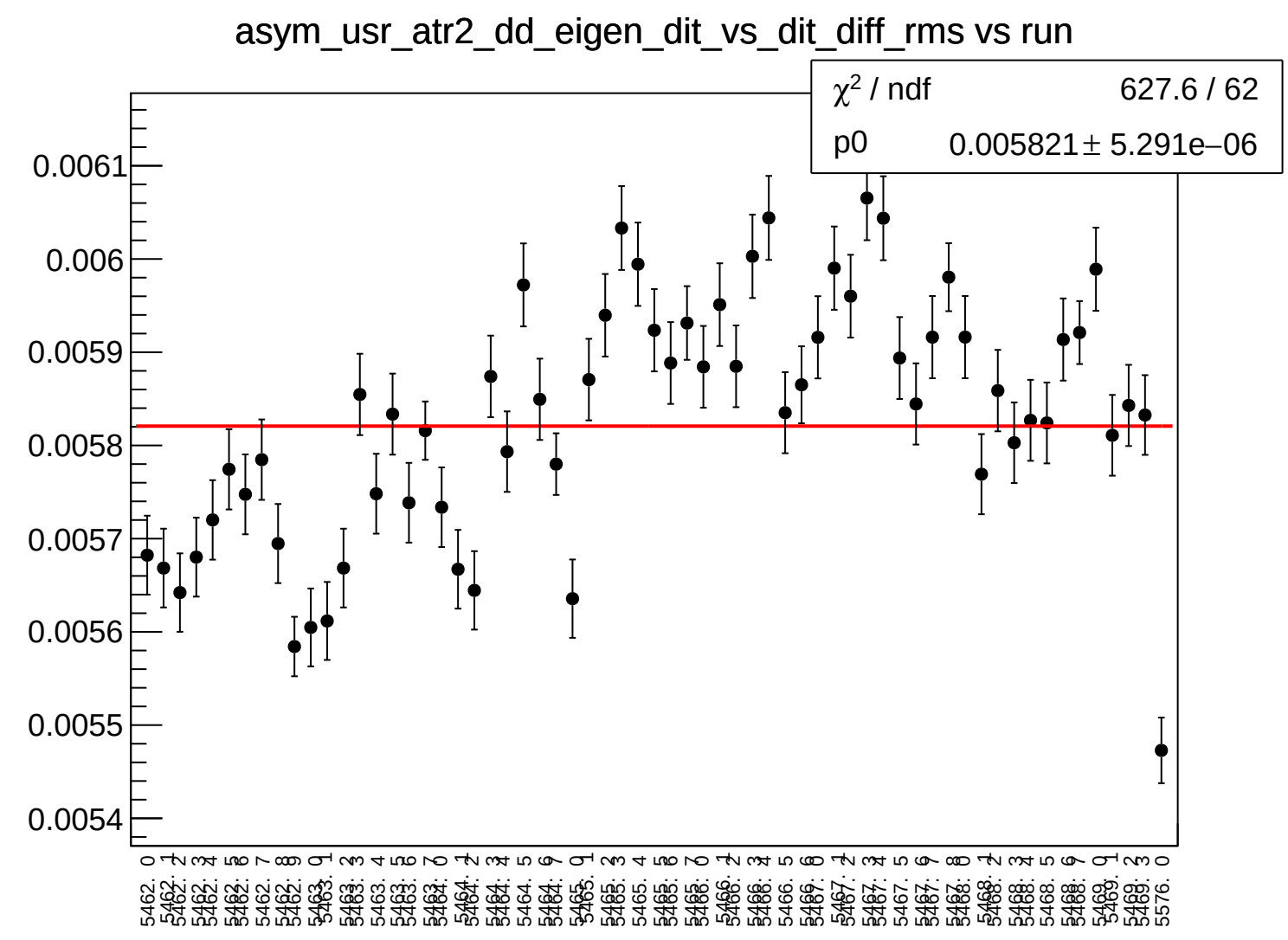

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.93 / 62
p0 0.3658 ± 0.8685
pull
Entries 63
Mean 212.8
Std Dev 0

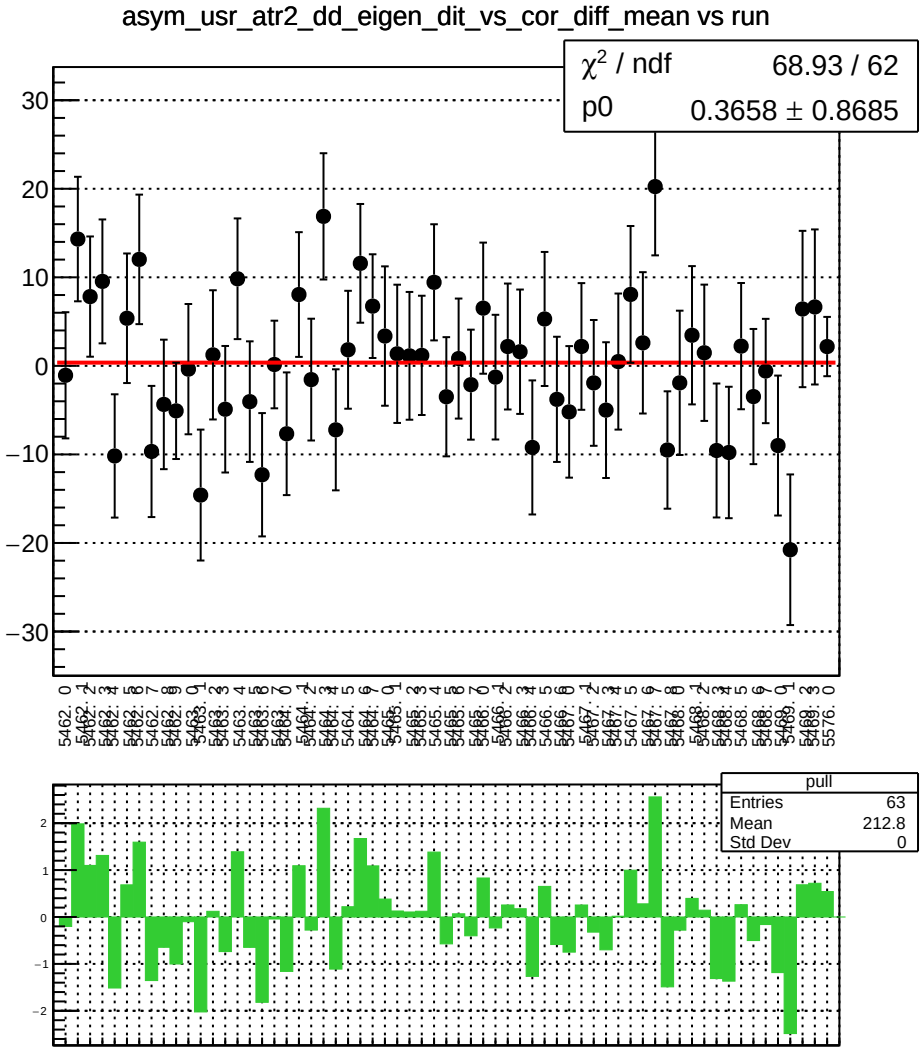

pull1D
Entries 63
Mean −0.01131
Std Dev 1.046

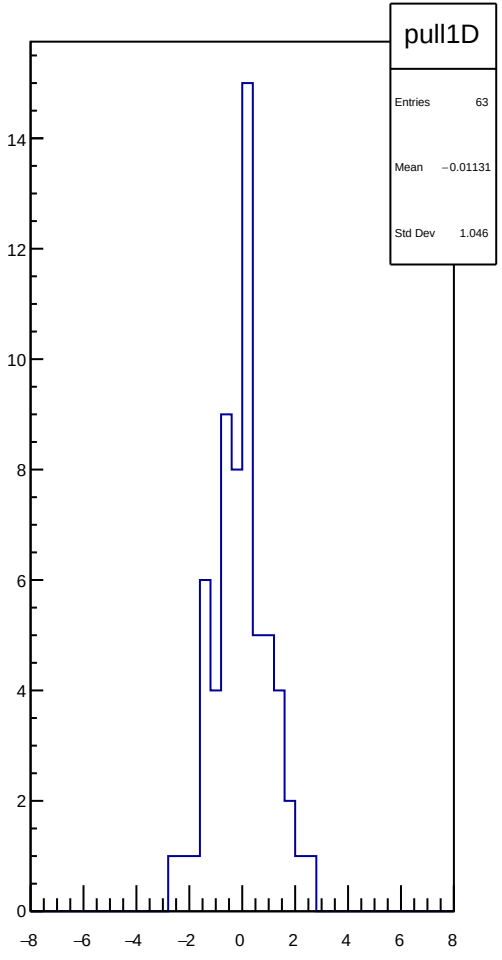

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.226e+04 / 62
p0 669.5 ± 0.6141
800
700
600
500
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

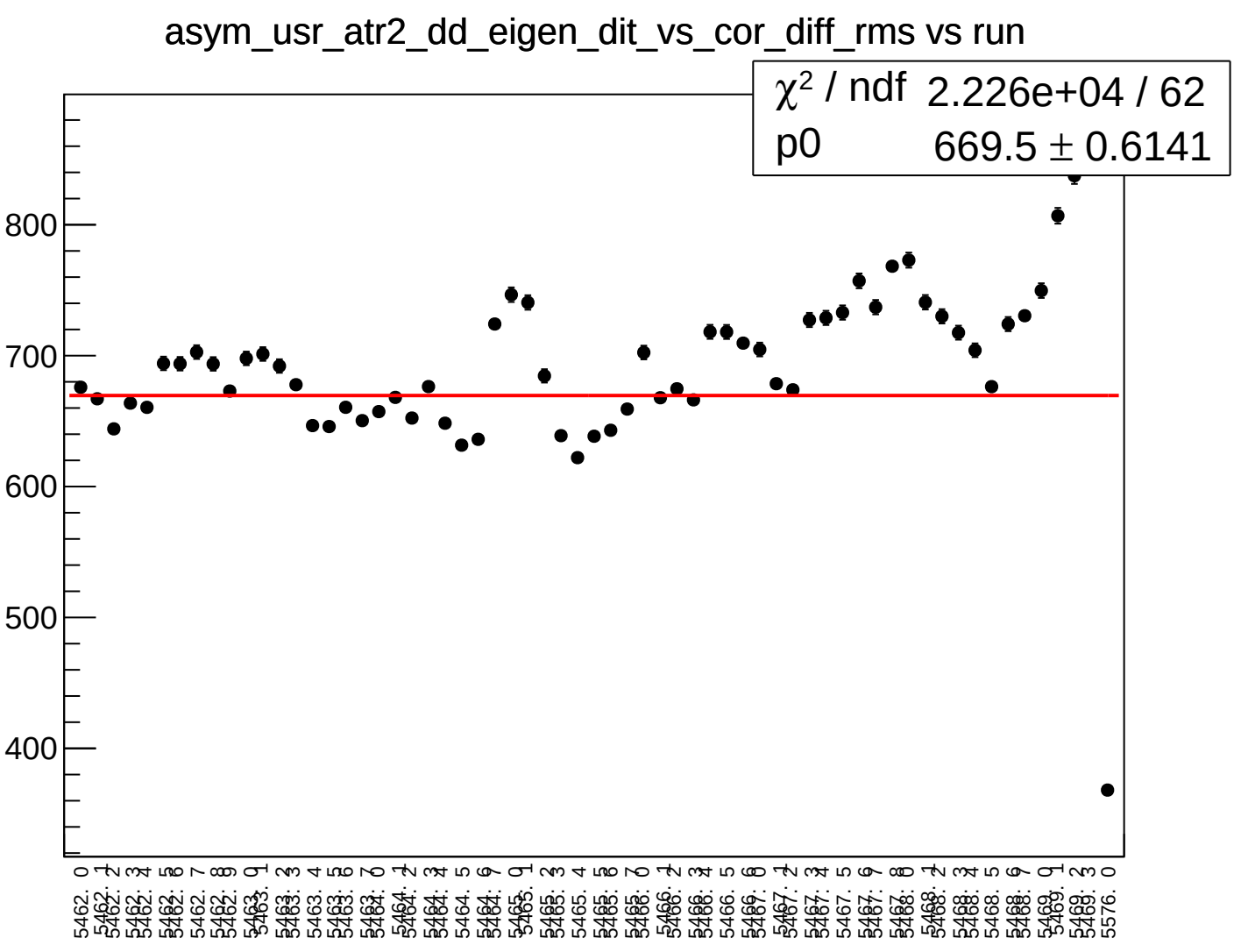

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.51 / 62
p0 −2.023e−06 ± 7.483e−06
pull
Entries 63
Mean 87.08
Std Dev 0

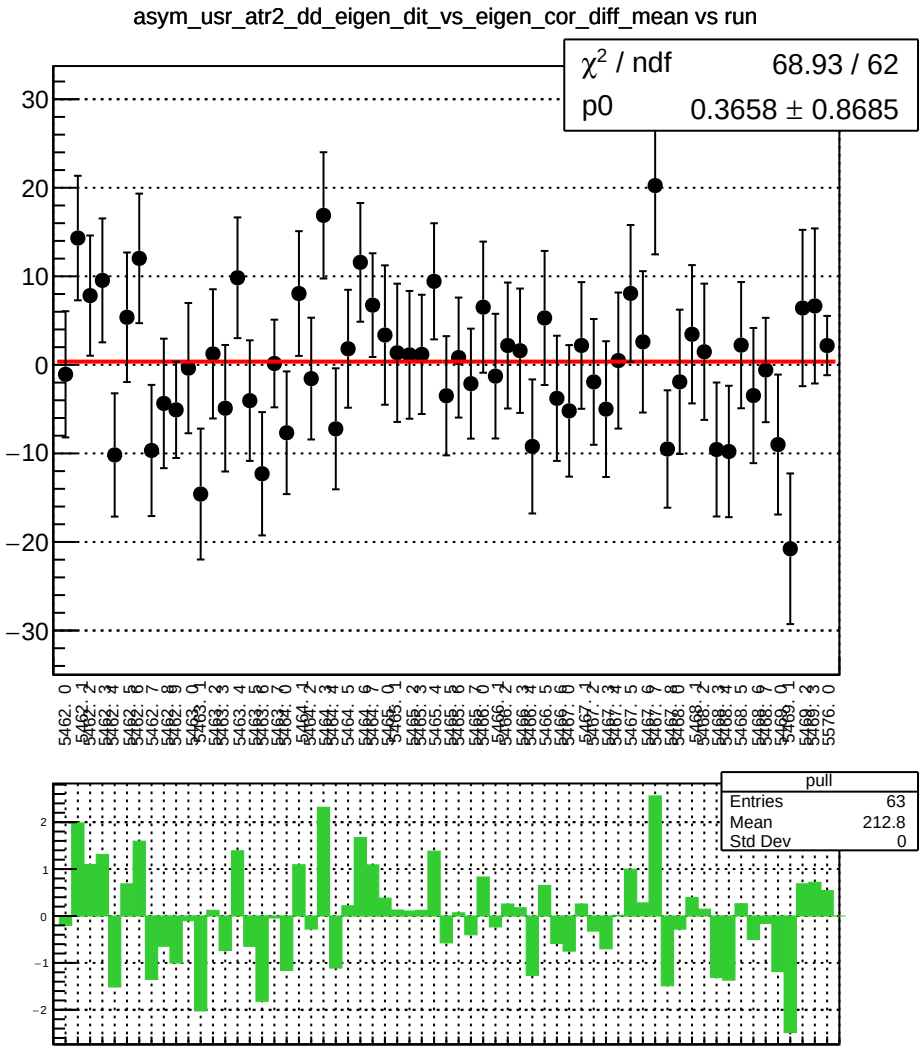

pull1D
Entries 63
Mean −0.01152
Std Dev 1.043

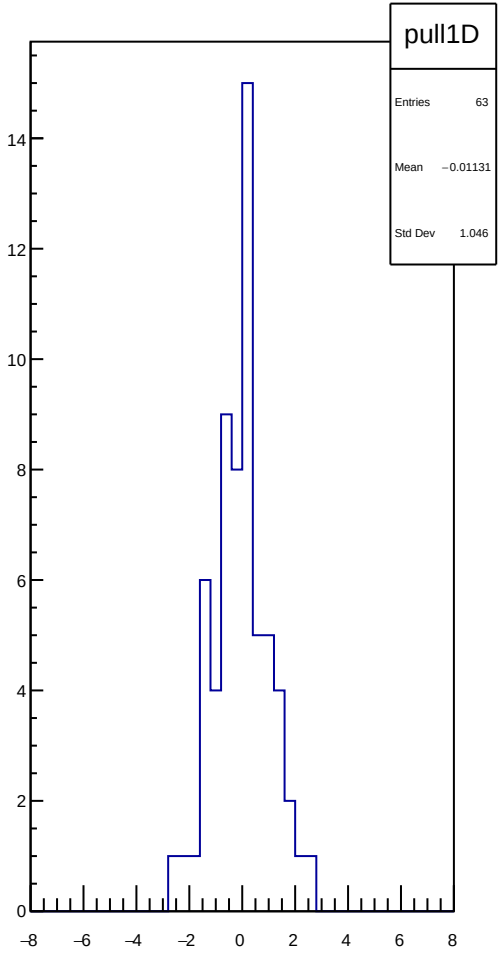

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 627.6 / 62
p0 0.005821 ± 5.291e−06
0.0061
0.006
0.0059
0.0058
0.0057
0.0056
0.0055
0.0054
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

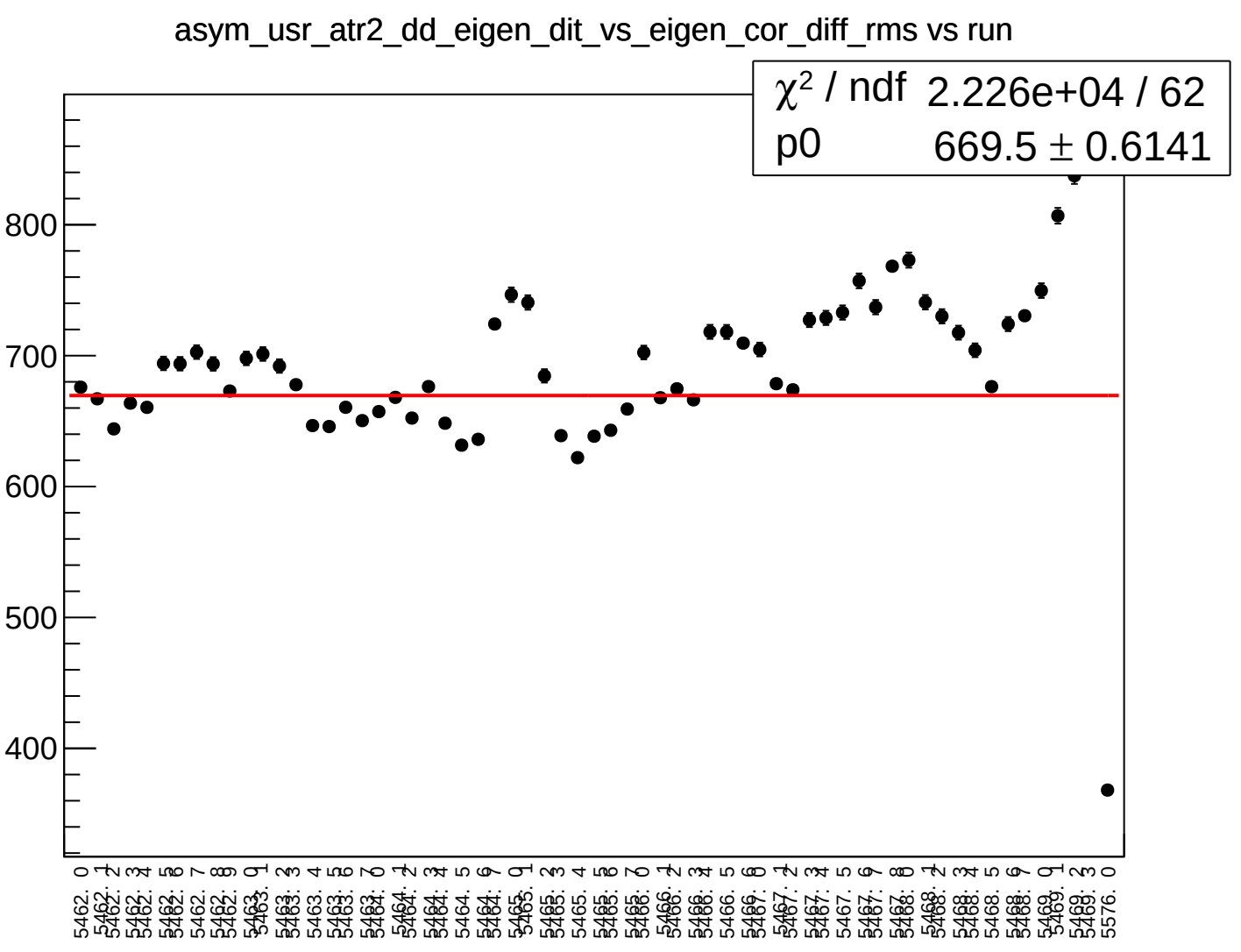

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.93 / 62
p0 0.3658 ± 0.8685
pull
Entries 63
Mean 212.8
Std Dev 0

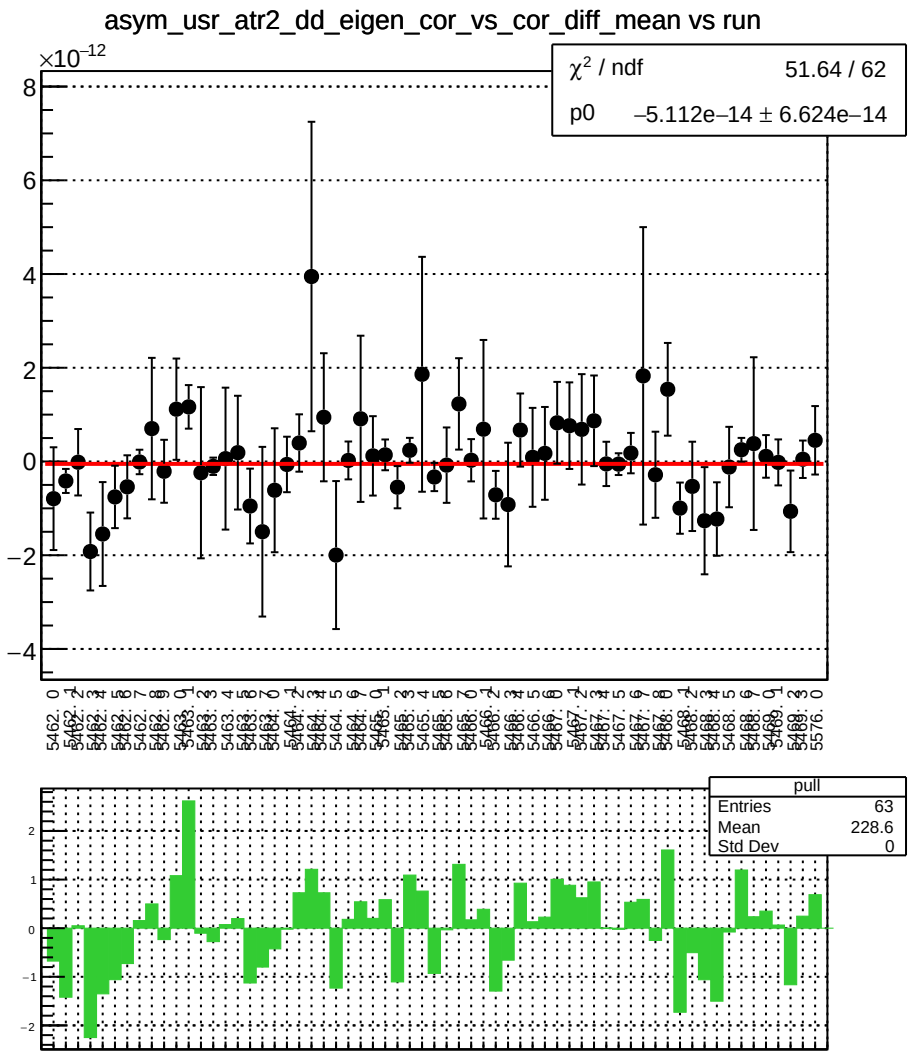

pull1D
Entries 63
Mean −0.01131
Std Dev 1.046

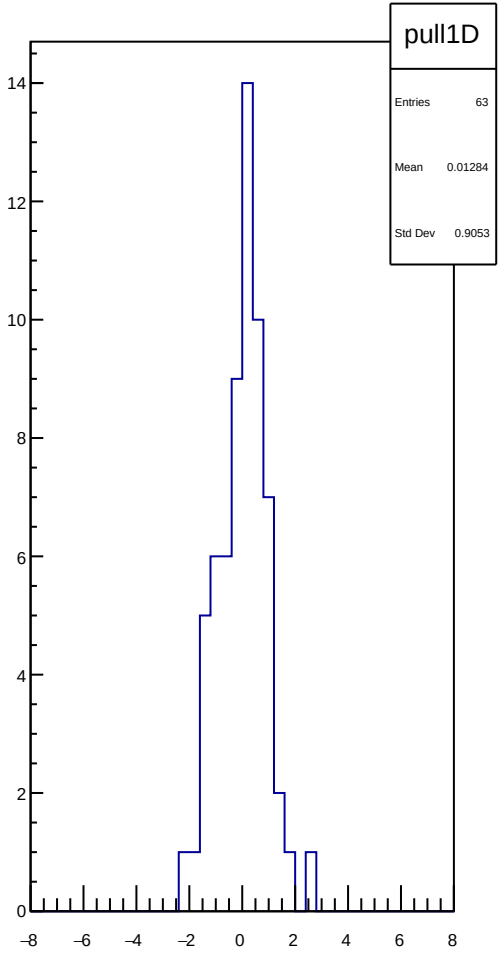

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.226e+04 / 62
p0 669.5 ± 0.6141
800
700
600
500
400

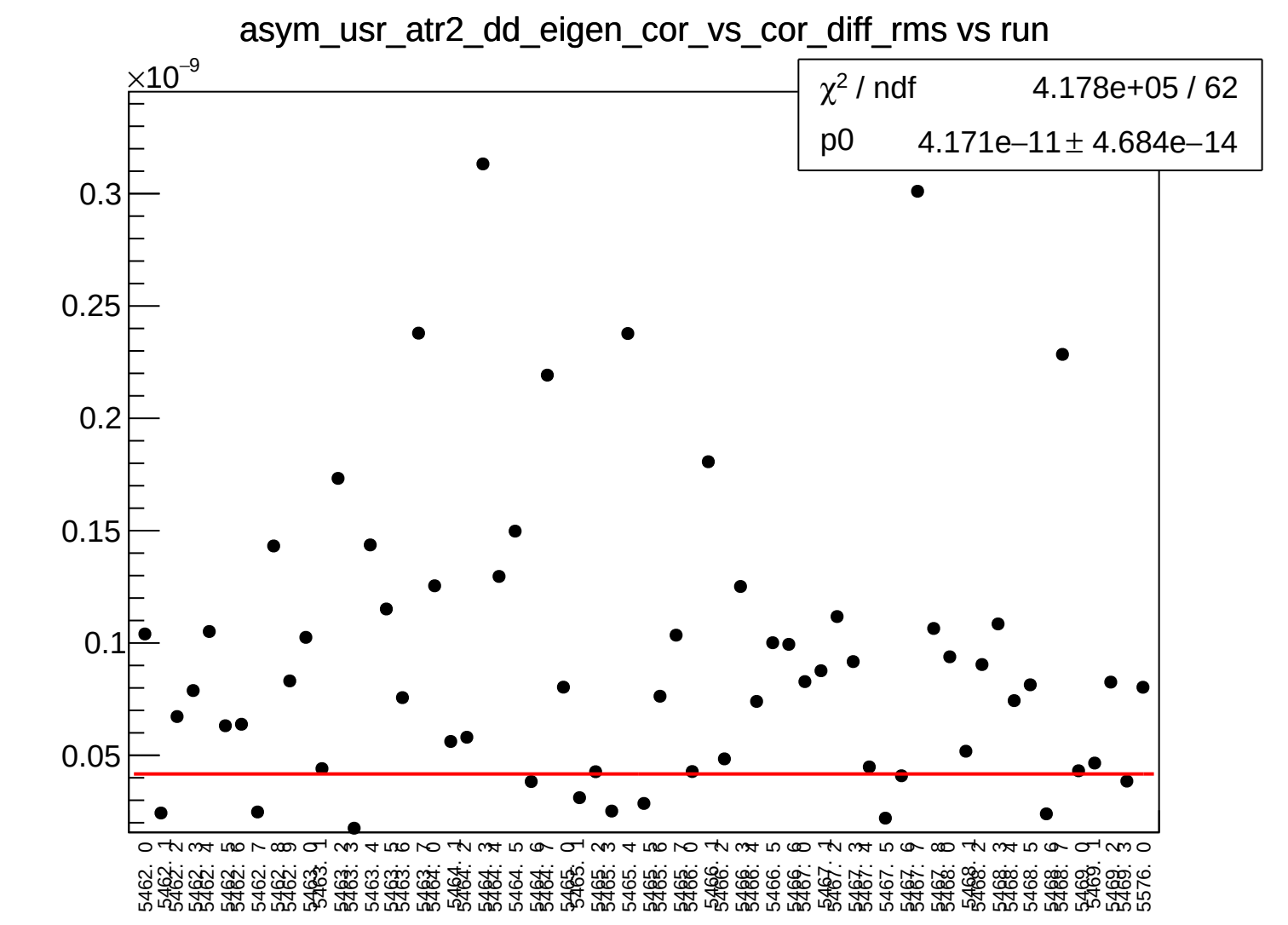

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.93 / 62
p0 0.3658 ± 0.8685
pull
Entries 63
Mean 212.8
Std Dev 0

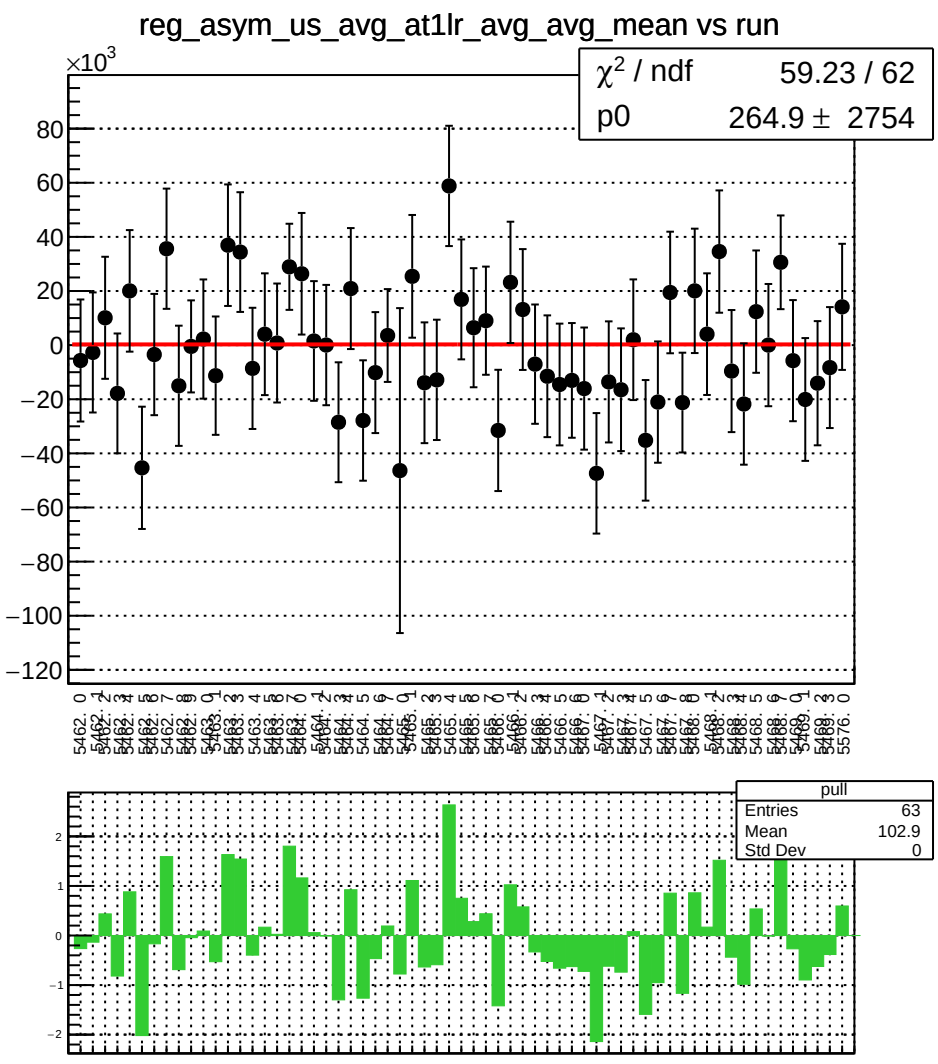

pull1D
Entries 63
Mean −0.01131
Std Dev 1.046

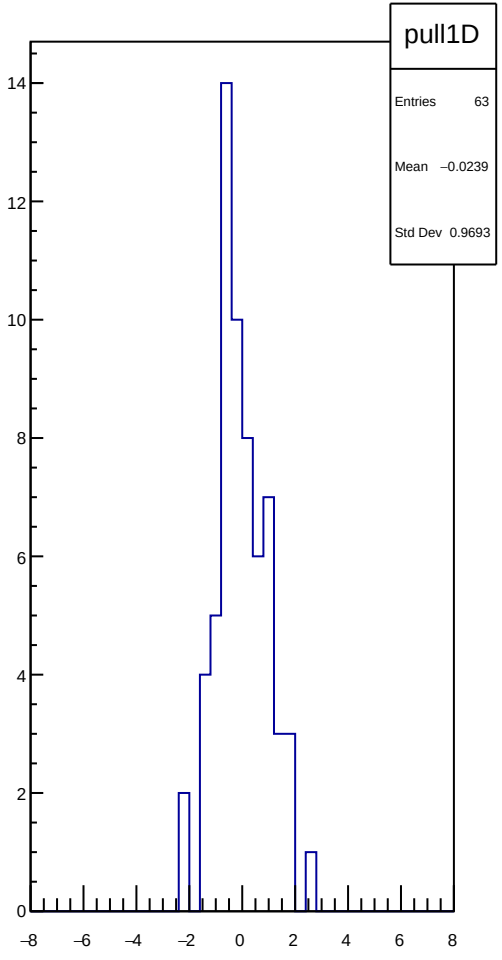

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.226e+04 / 62
p0 669.5 ± 0.6141
800
700
600
500
400

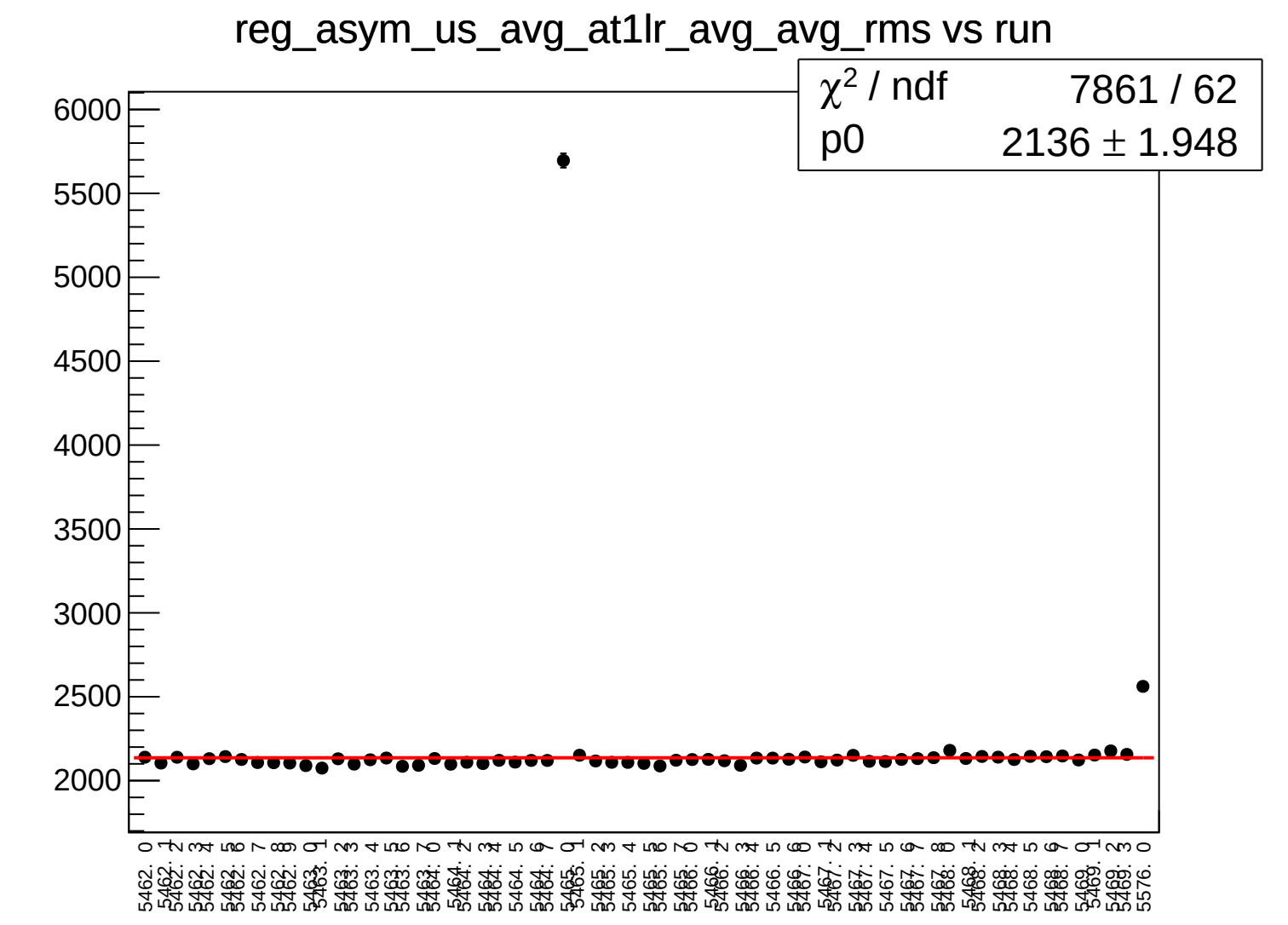

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.64 / 62
p0 −5.112e−14 ± 6.624e−14
pull
Entries 63
Mean 228.6
Std Dev 0

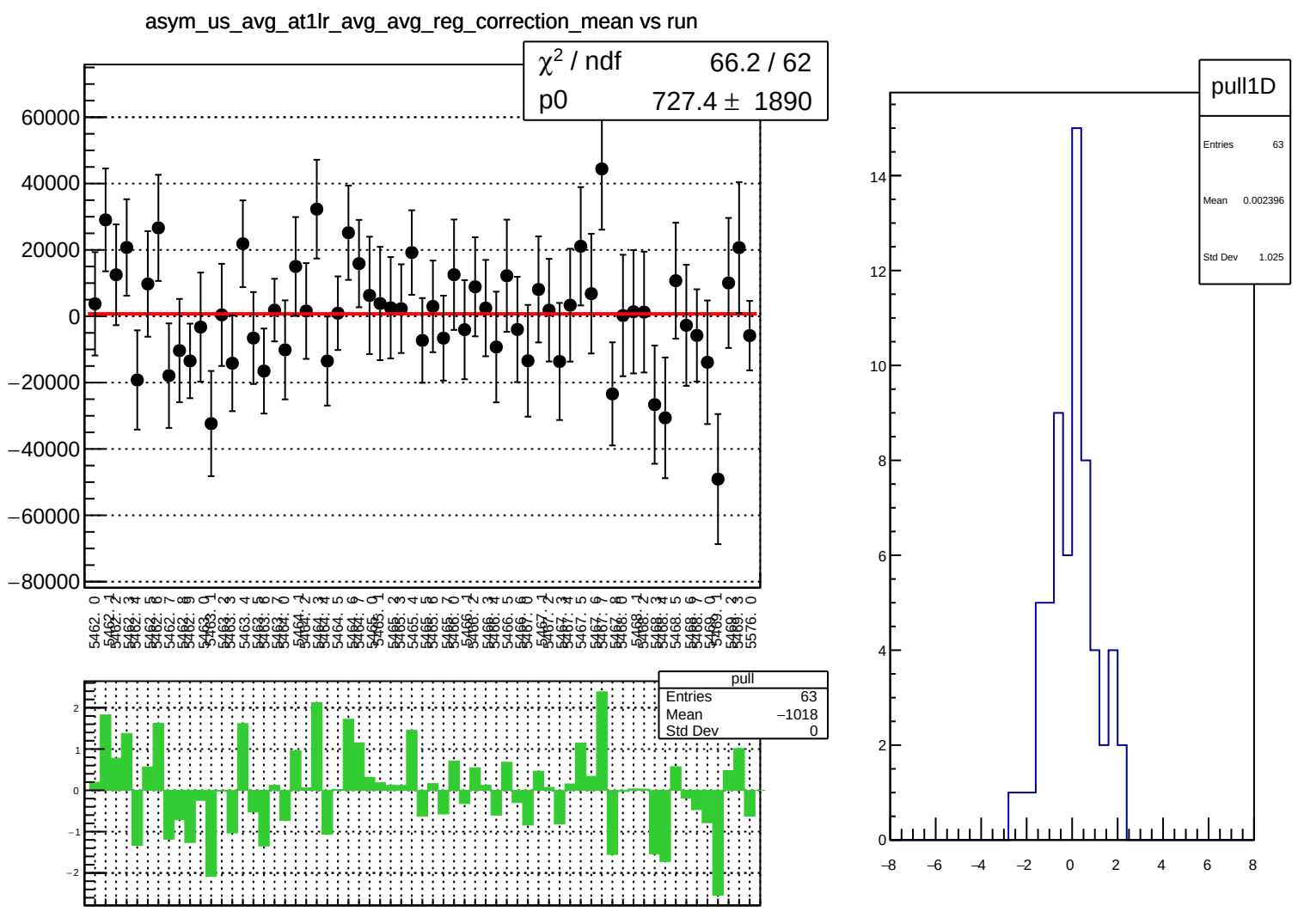

pull1D
Entries 63
Mean 0.01284
Std Dev 0.9053

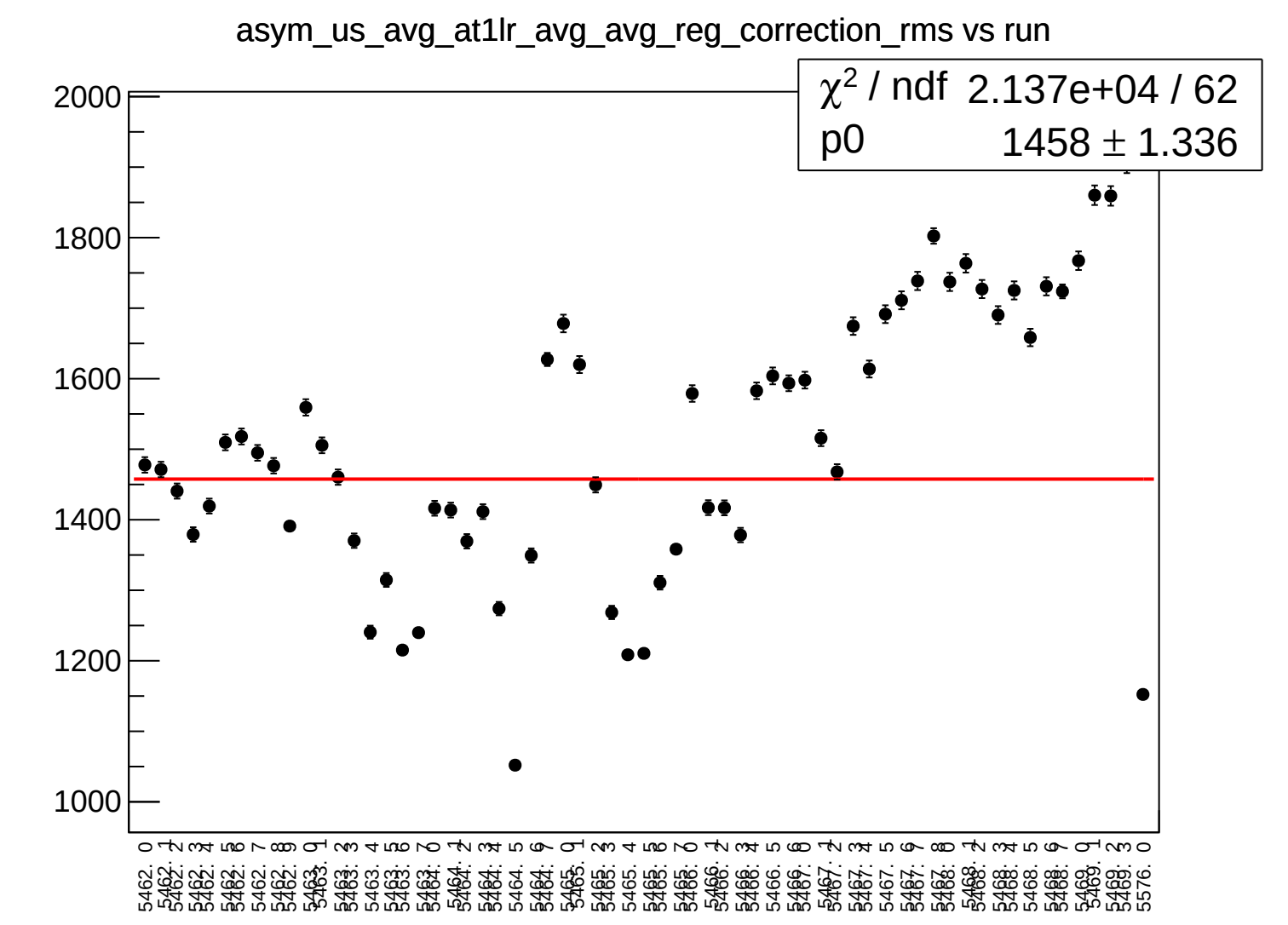

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.178e+05 / 62
p0 4.171e−11 ± 4.684e−14
0.3
0.25
0.2
0.15
0.1
0.05

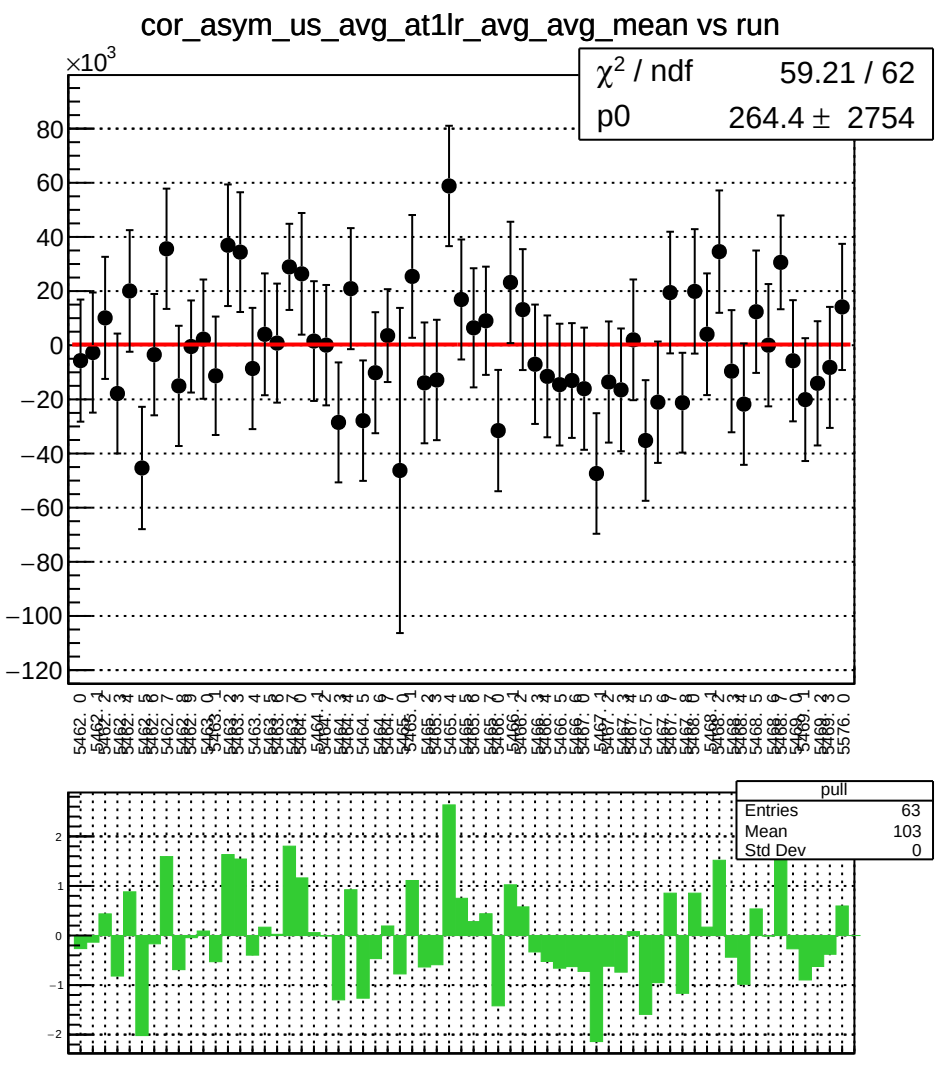

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 59.23 / 62
p0 264.9 ± 2754
×10³
pull
Entries 63
Mean 102.9
Std Dev 0

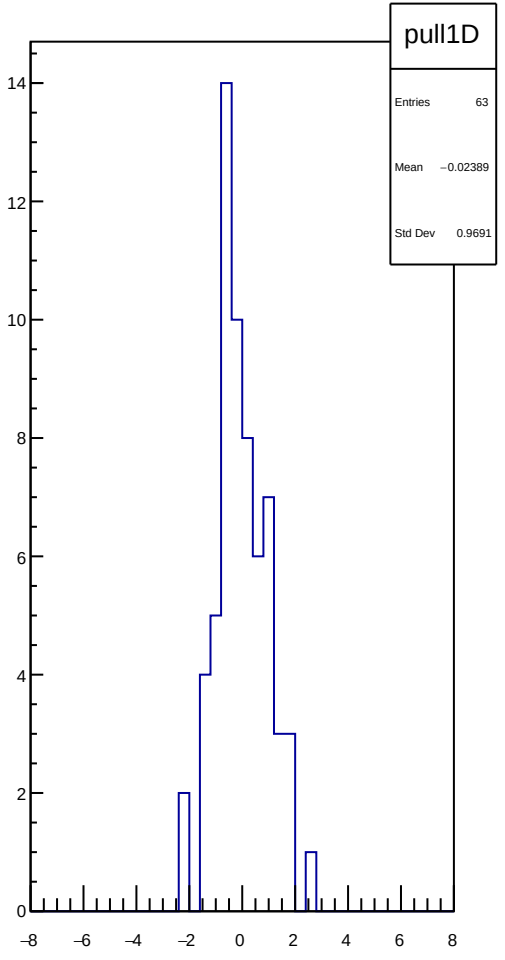

pull1D
Entries 63
Mean −0.0239
Std Dev 0.9693

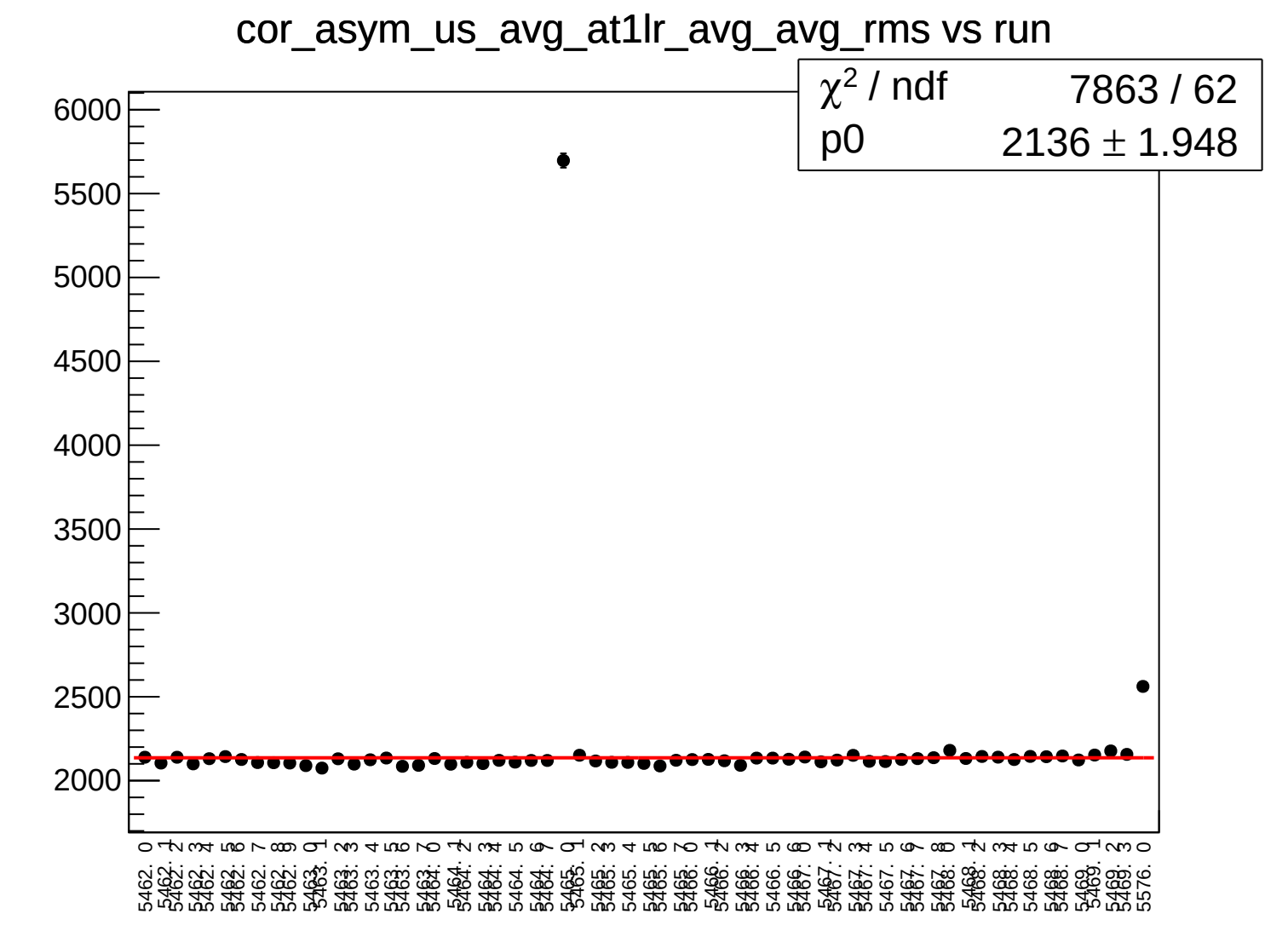

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 7861 / 62
p0 2136 ± 1.948
6000
5500
5000
4500
4000
3500
3000
2500
2000

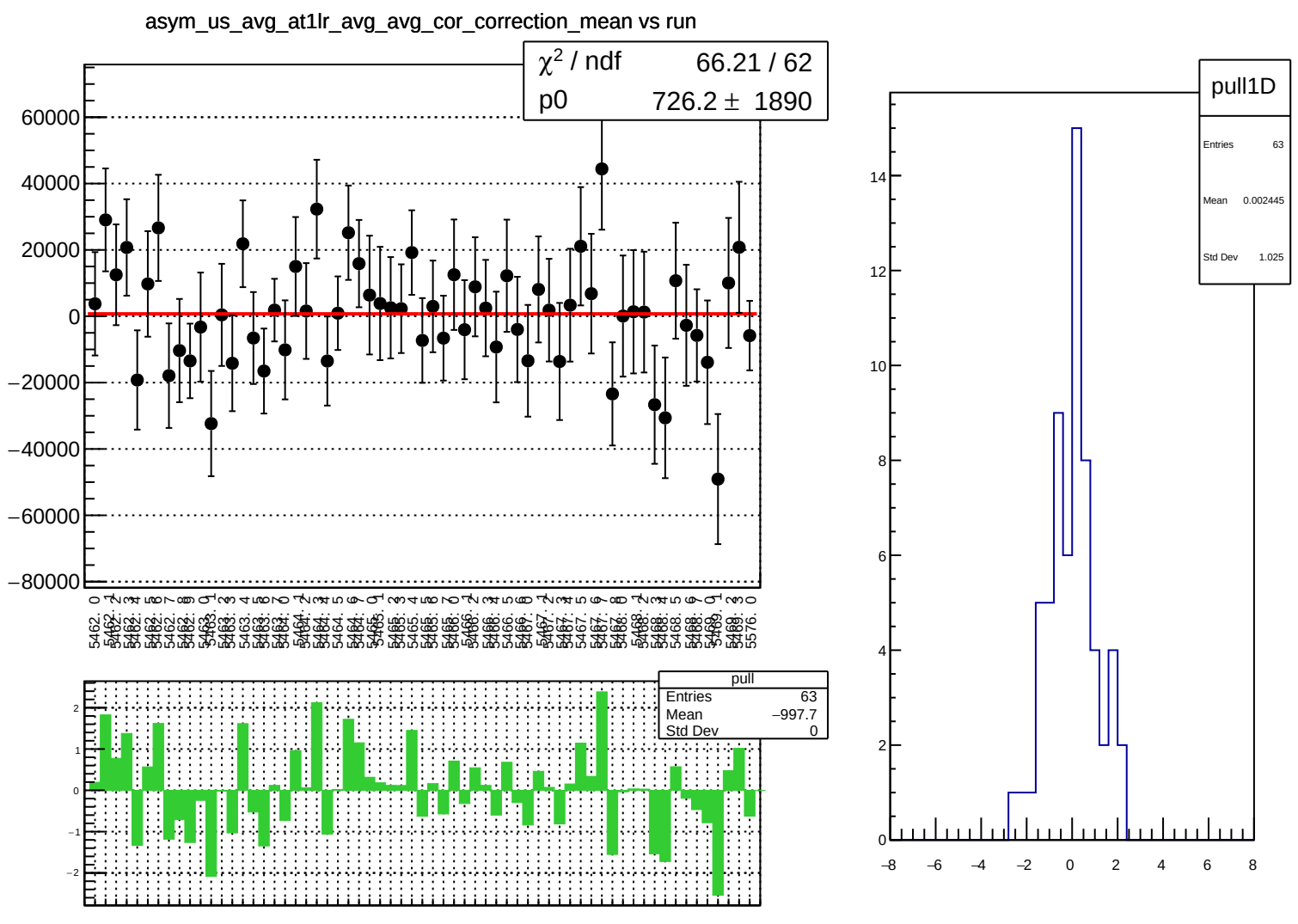

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 66.2 / 62
p0 727.4 ± 1890
pull
Entries 63
Mean −1018
Std Dev 0
pull1D
Entries 63
Mean 0.002396
Std Dev 1.025

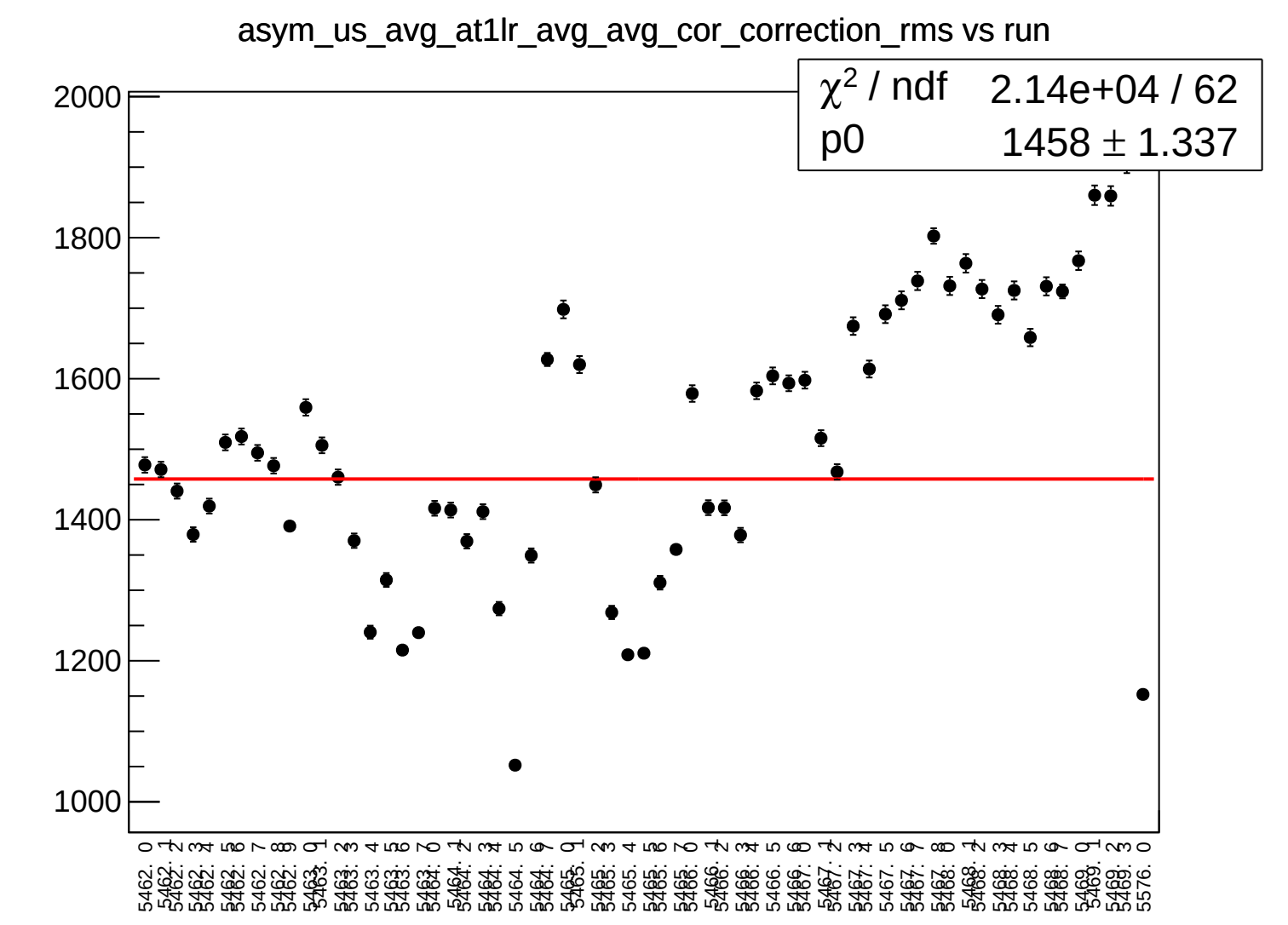

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.137e+04 / 62
p0 1458 ± 1.336
2000
1800
1600
1400
1200
1000

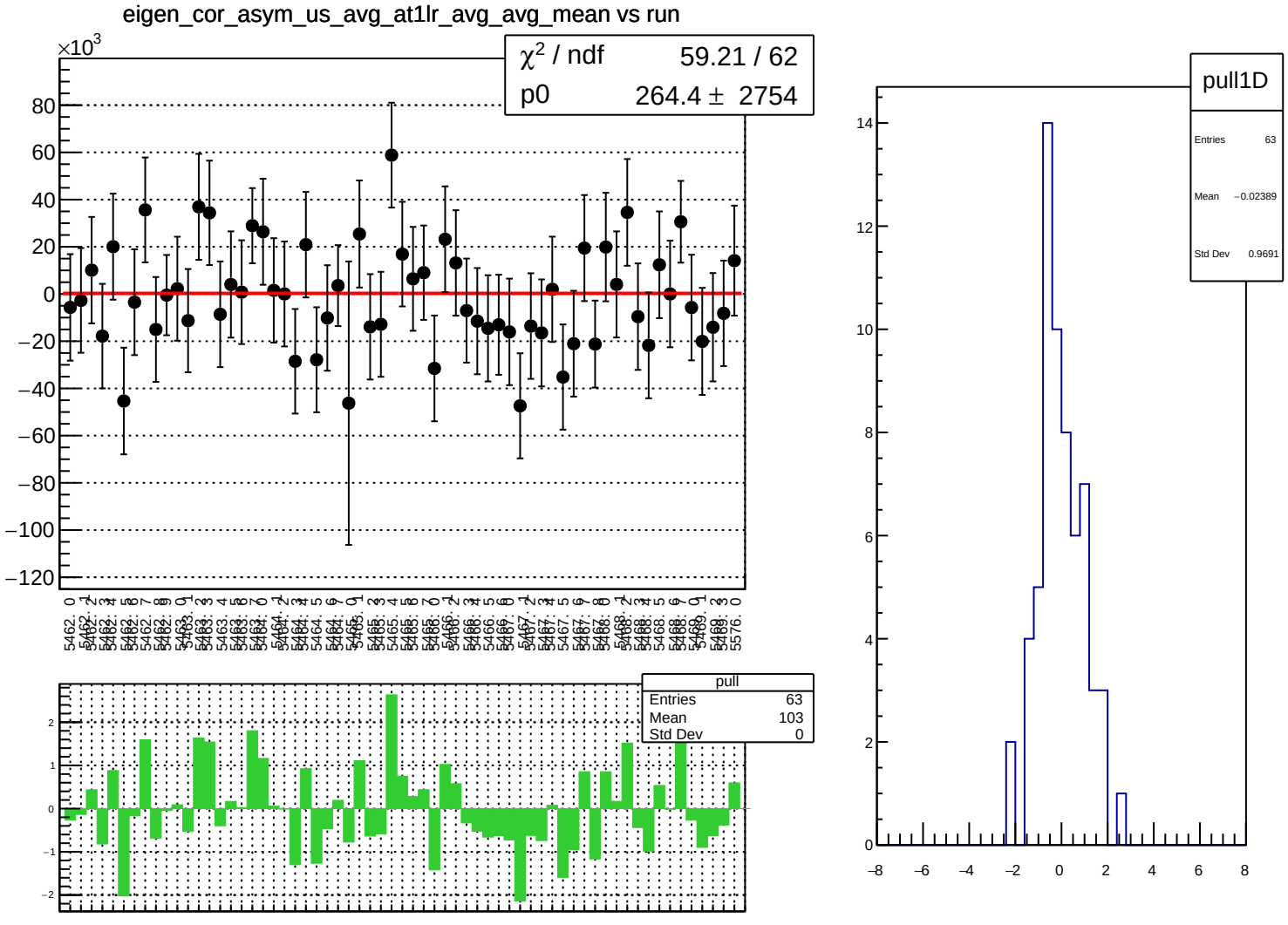

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 59.21 / 62
p0 264.4 ± 2754
pull
Entries 63
Mean 103
Std Dev 0

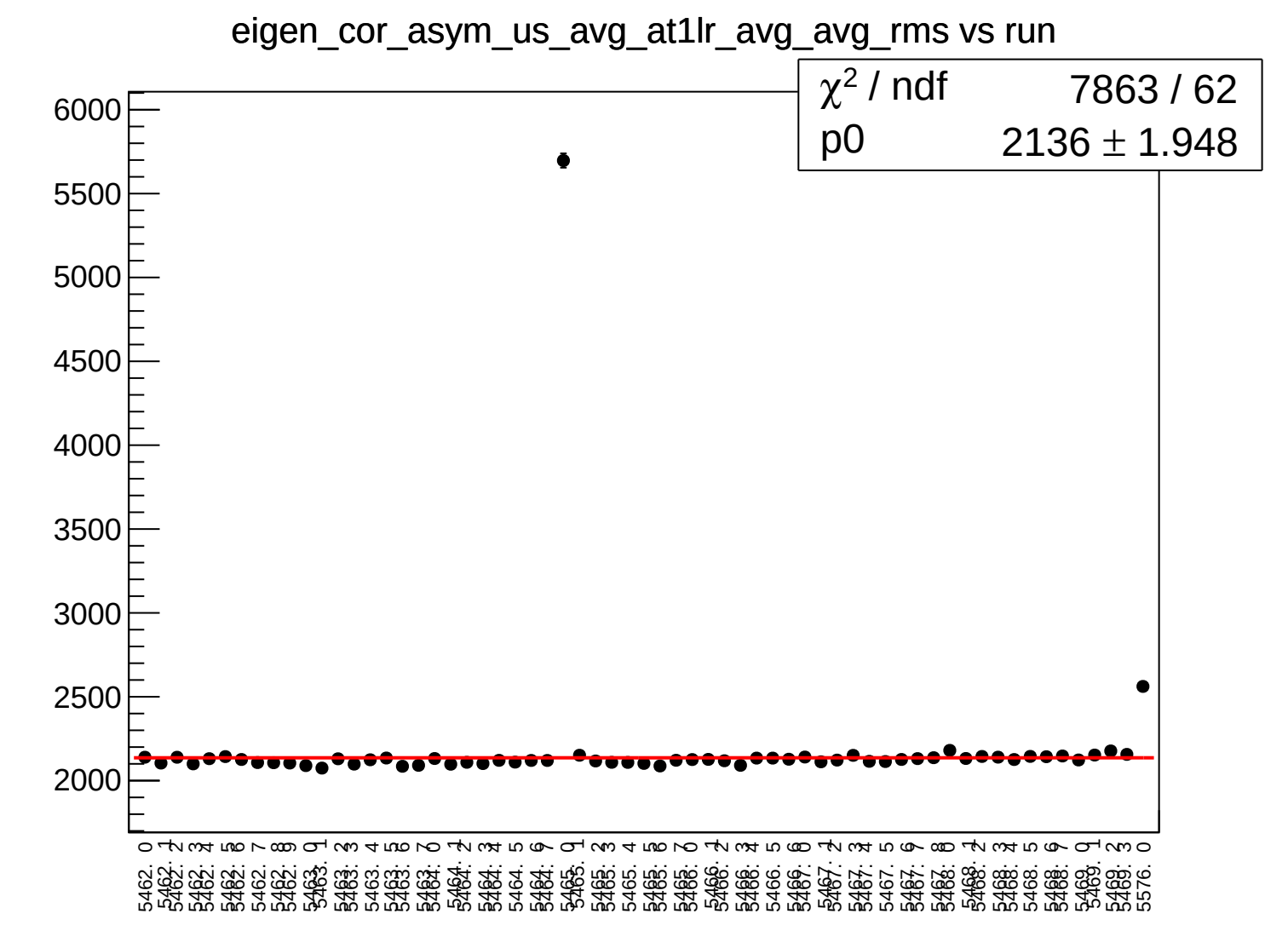

pull1D
Entries 63
Mean −0.02389
Std Dev 0.9691

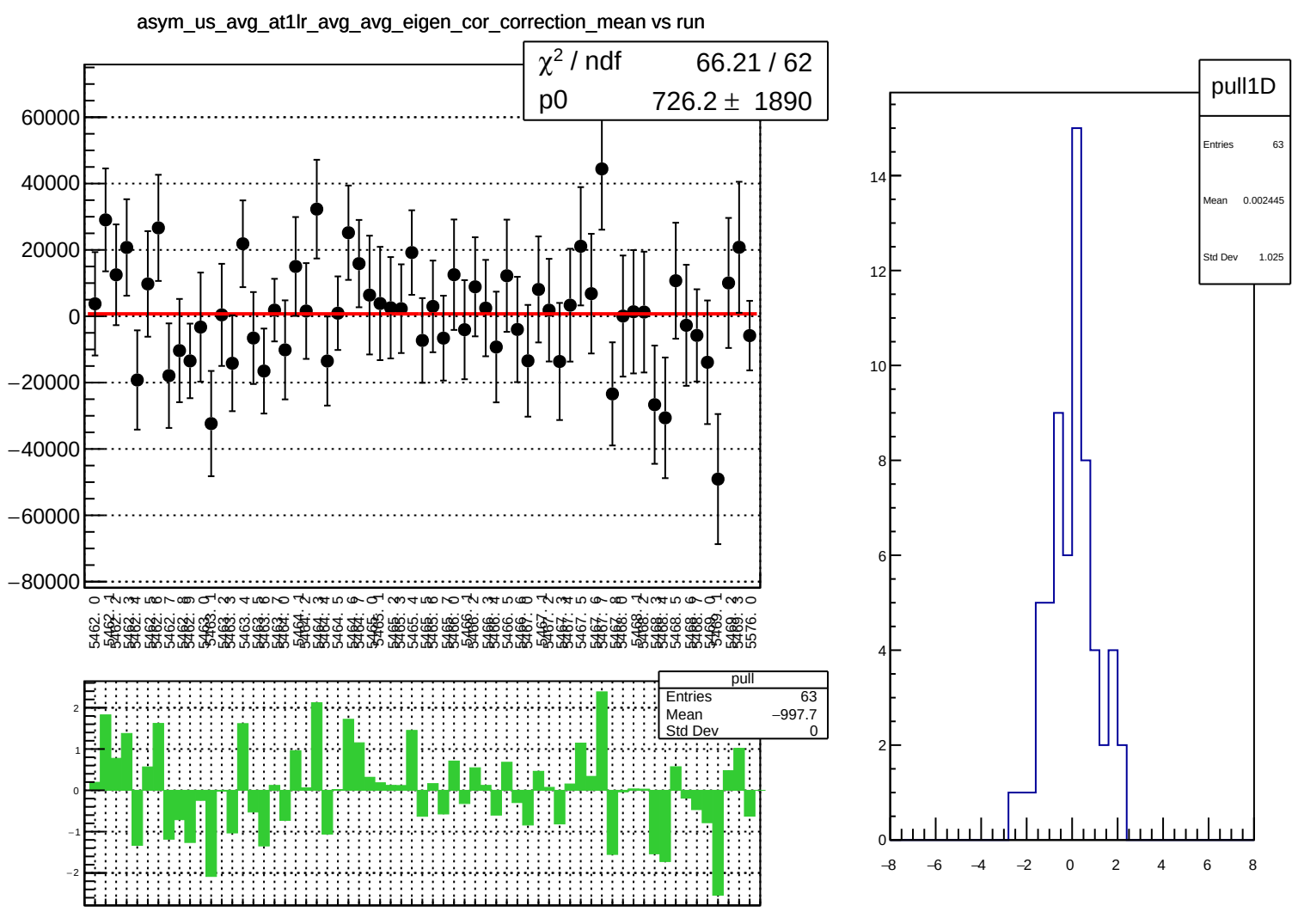

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 7863 / 62
p0 2136 ± 1.948
6000
5500
5000
4500
4000
3500
3000
2500
2000

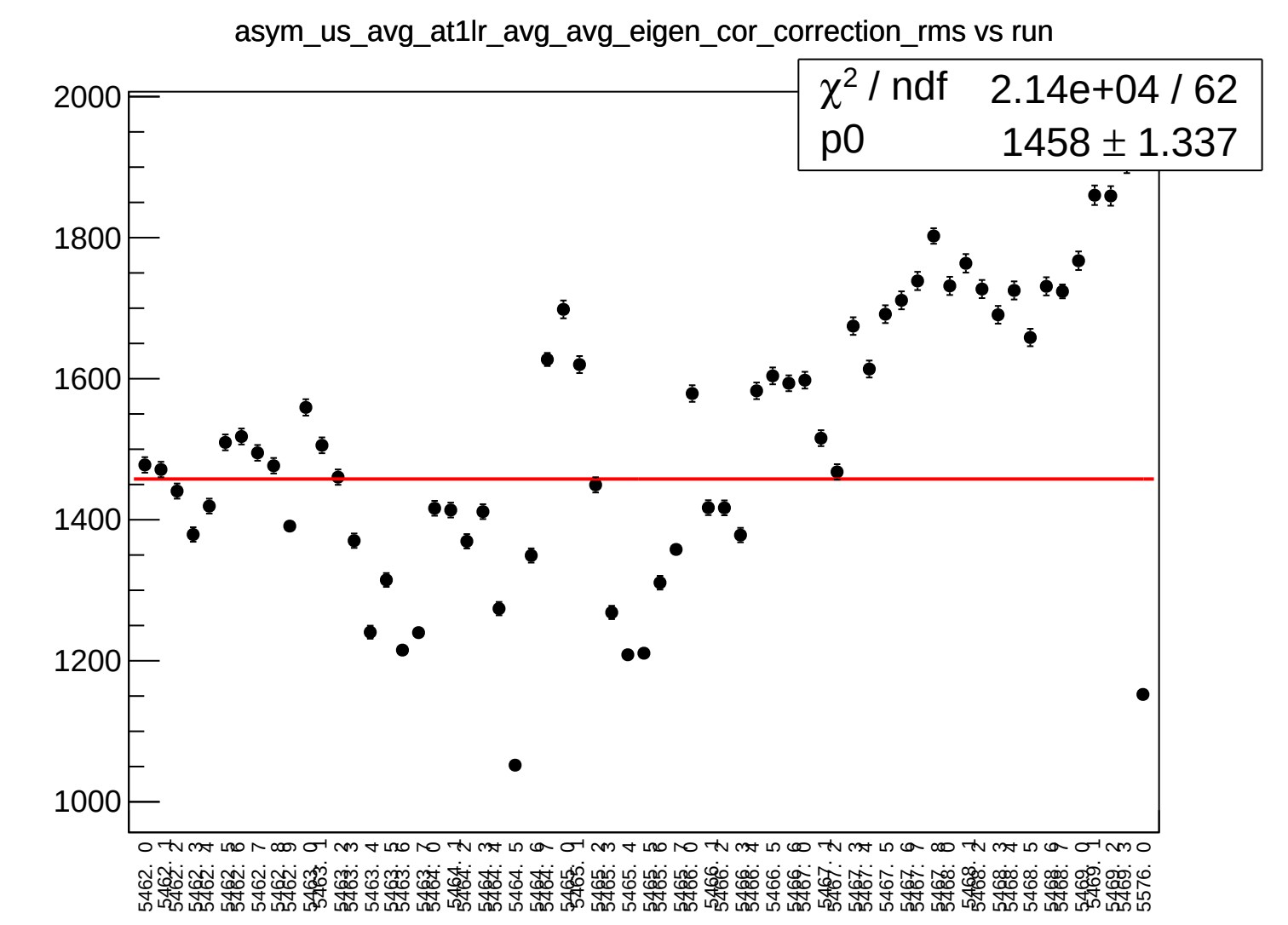

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 66.21 / 62
p0 726.2 ± 1890
pull
Entries 63
Mean −997.7
Std Dev 0
pull1D
Entries 63
Mean 0.002445
Std Dev 1.025

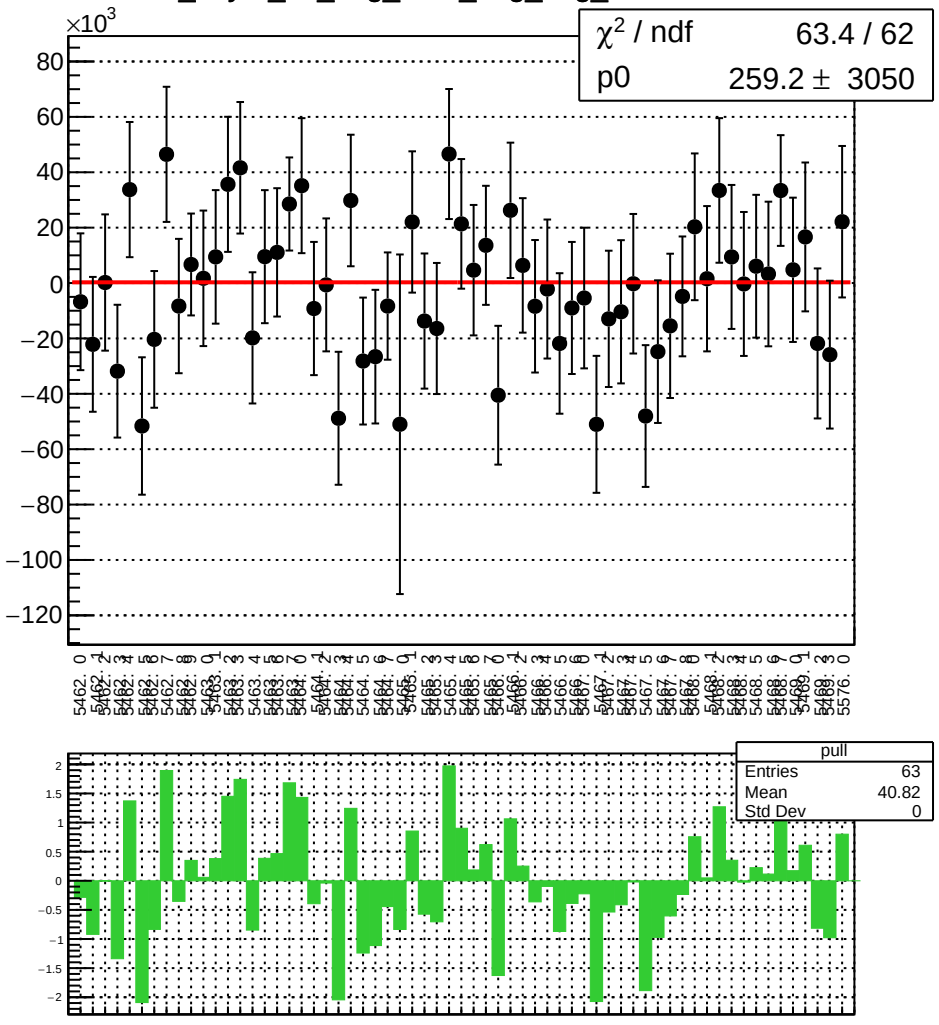

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.14e+04 / 62
p0 1458 ± 1.337
2000
1800
1600
1400
1200
1000

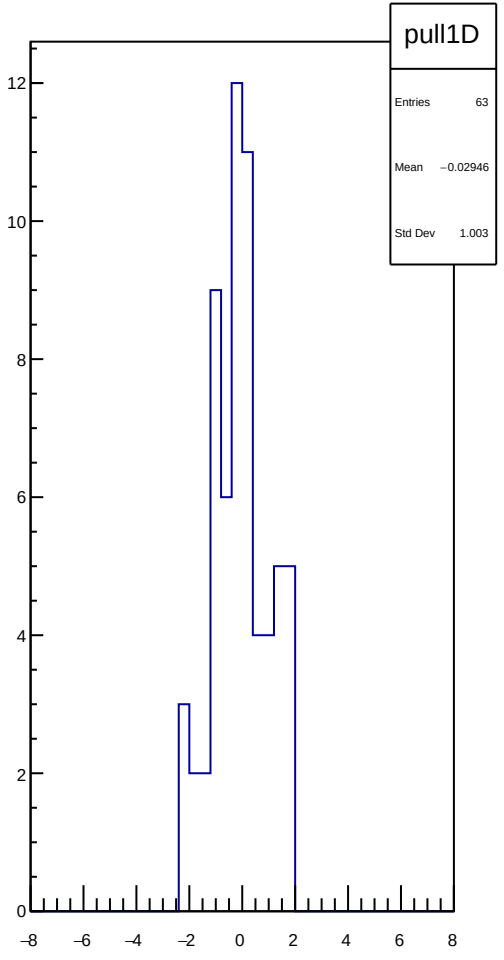

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 59.21 / 62
p0 264.4 ± 2754
pull
Entries 63
Mean 103
Std Dev 0
pull1D
Entries 63
Mean −0.02389
Std Dev 0.9691

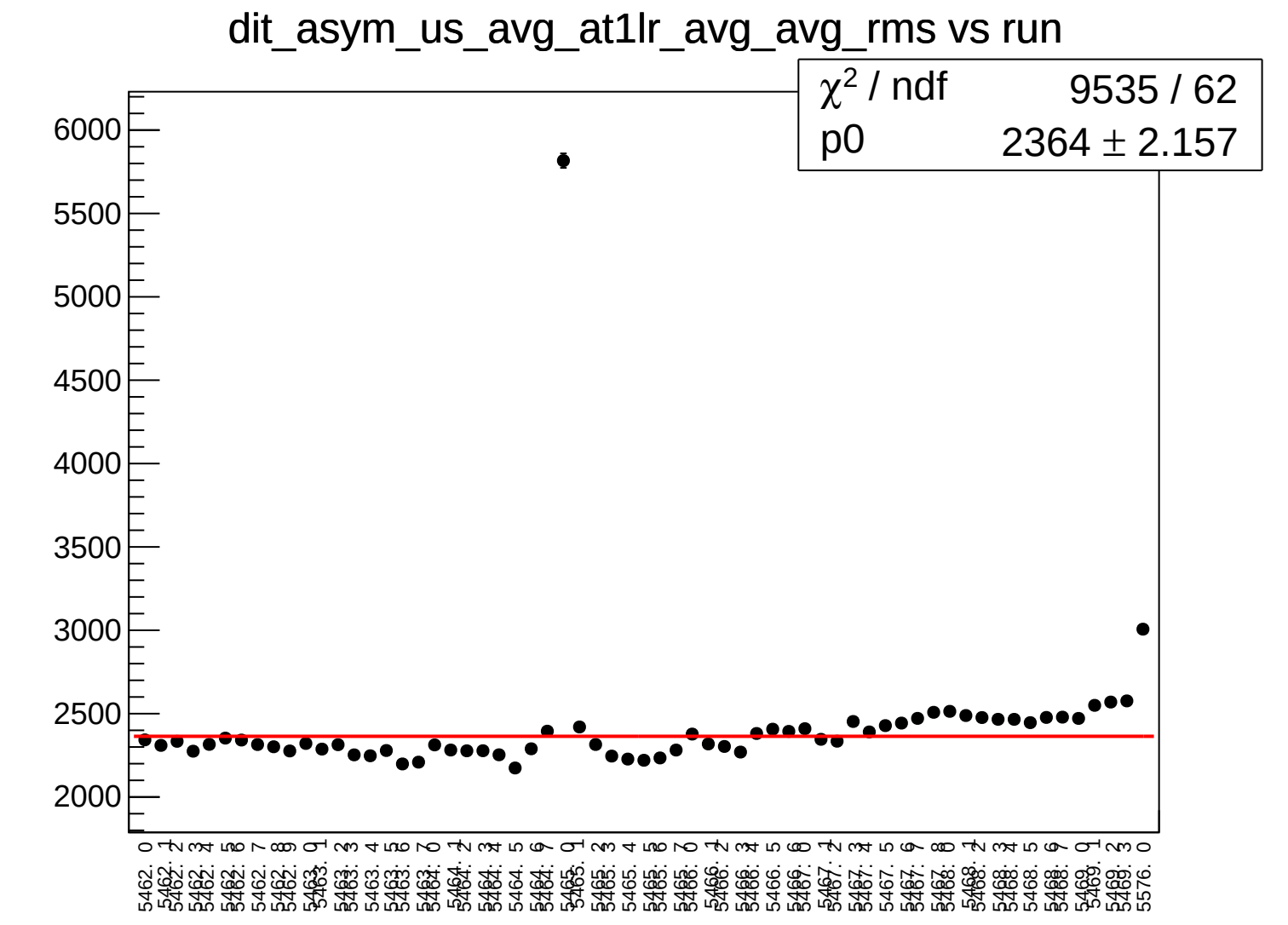

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 7863 / 62
p0 2136 ± 1.948
6000
5500
5000
4500
4000
3500
3000
2500
2000

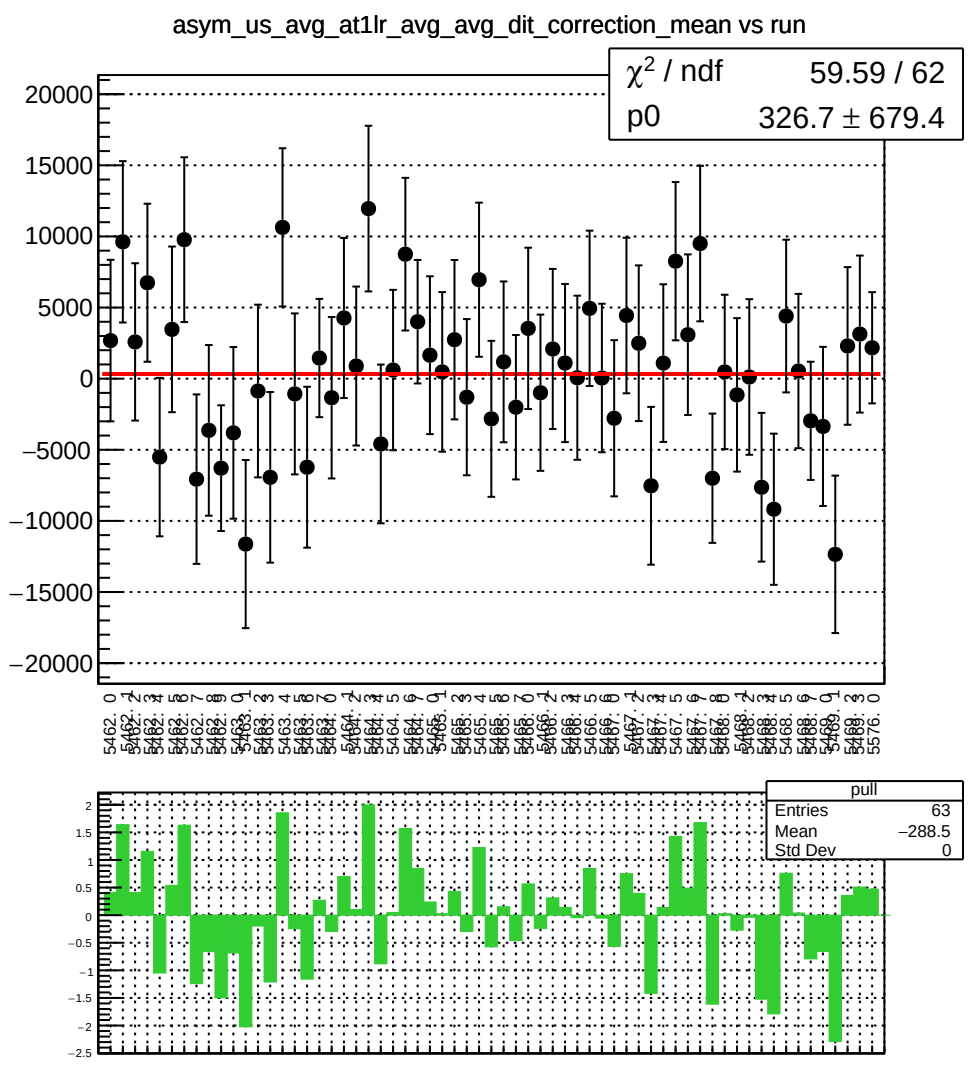

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.21 / 62
p0 726.2 ± 1890
pull
Entries 63
Mean −997.7
Std Dev 0
pull1D
Entries 63
Mean 0.002445
Std Dev 1.025

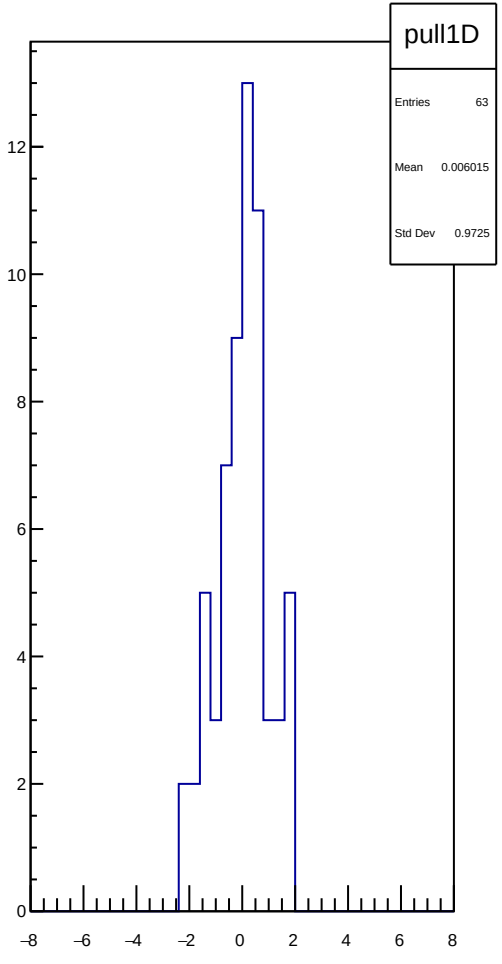

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.14e+04 / 62
p0 1458 ± 1.337
2000
1800
1600
1400
1200
1000

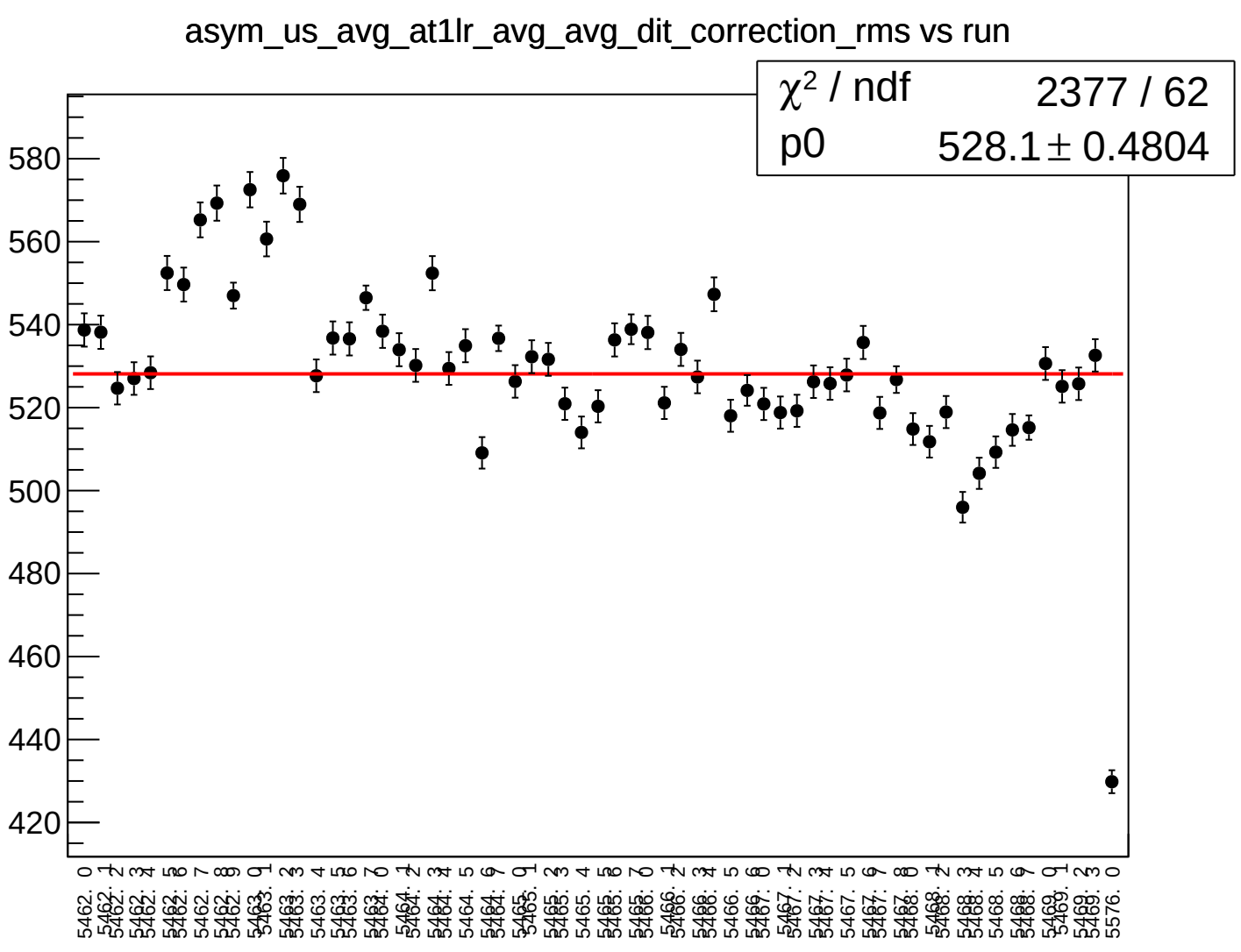

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 63.4 / 62
p0 259.2 ± 3050
pull
Entries 63
Mean 40.82
Std Dev 0

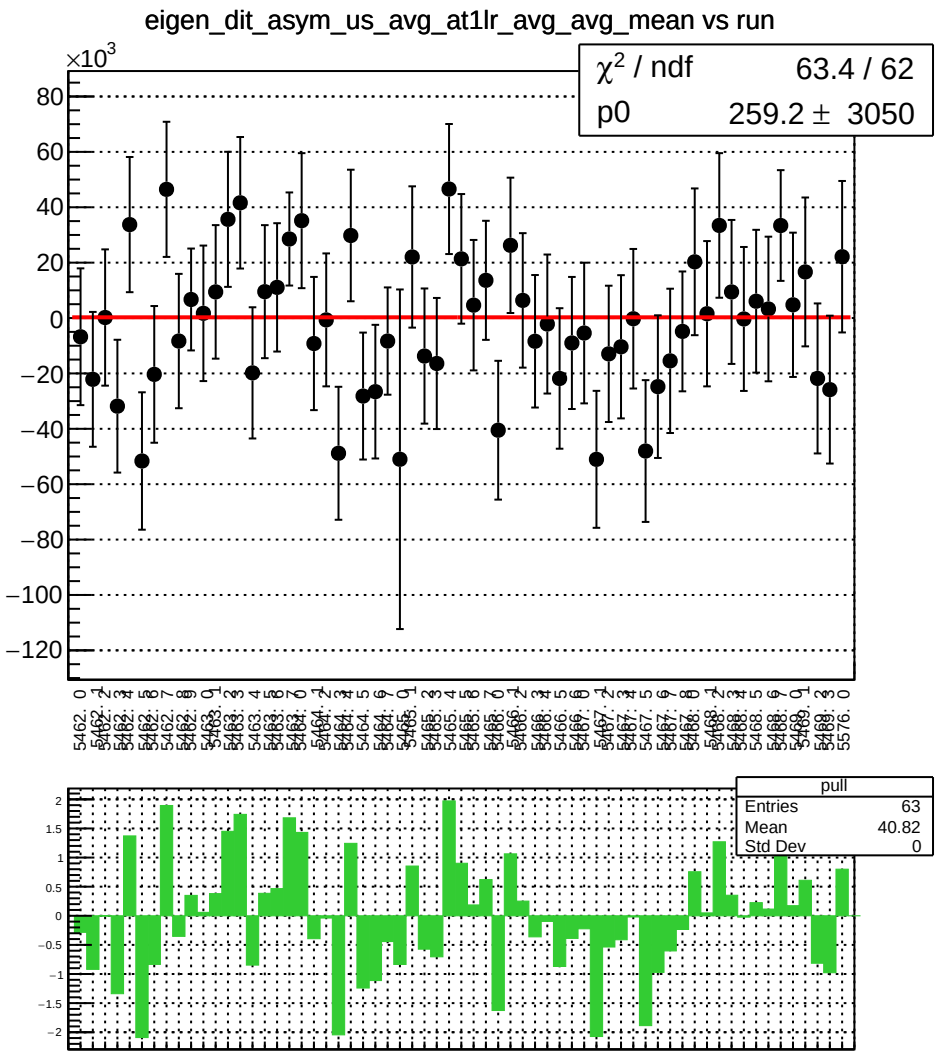

pull1D
Entries 63
Mean −0.02946
Std Dev 1.003

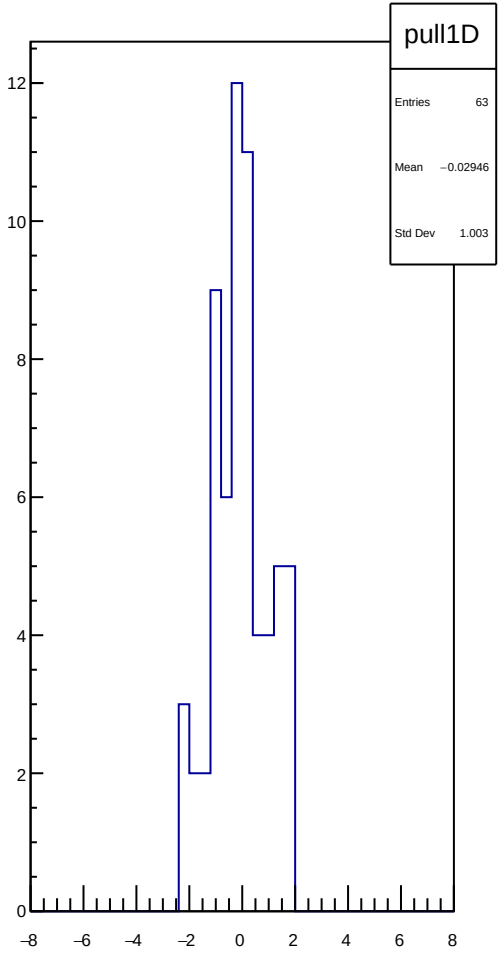

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 9535 / 62
p0 2364 ± 2.157
6000
5500
5000
4500
4000
3500
3000
2500
2000

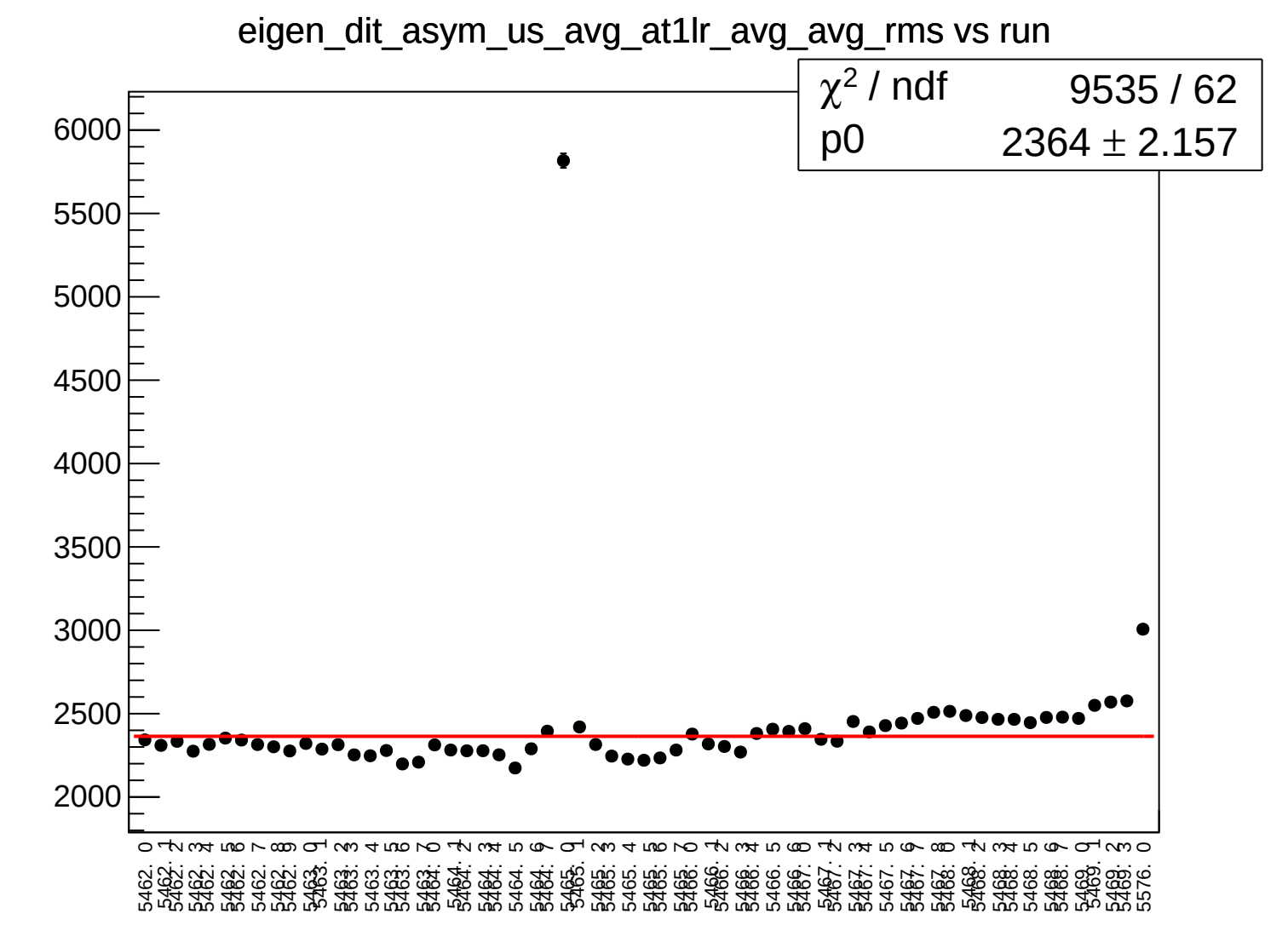

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 59.59 / 62
p0 326.7 ± 679.4
pull
Entries 63
Mean −288.5
Std Dev 0

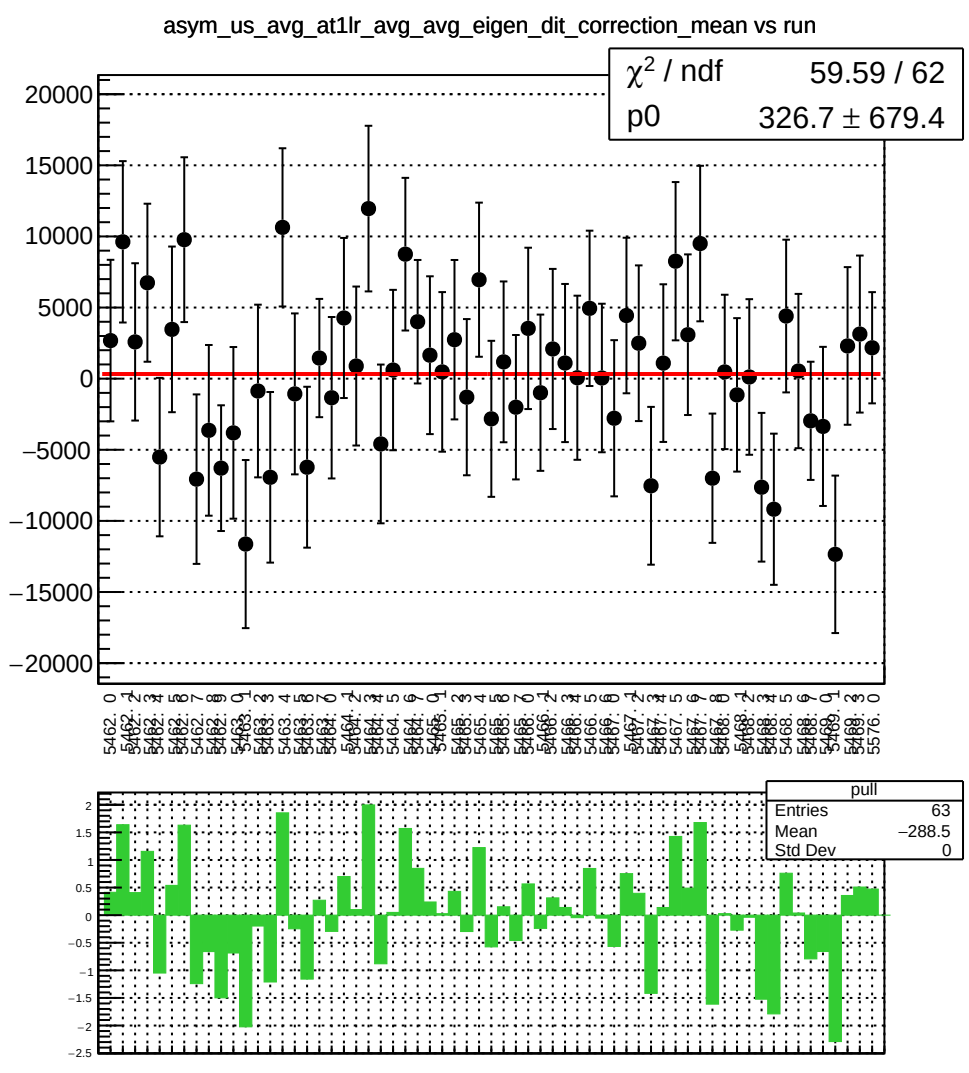

pull1D
Entries 63
Mean 0.006015
Std Dev 0.9725

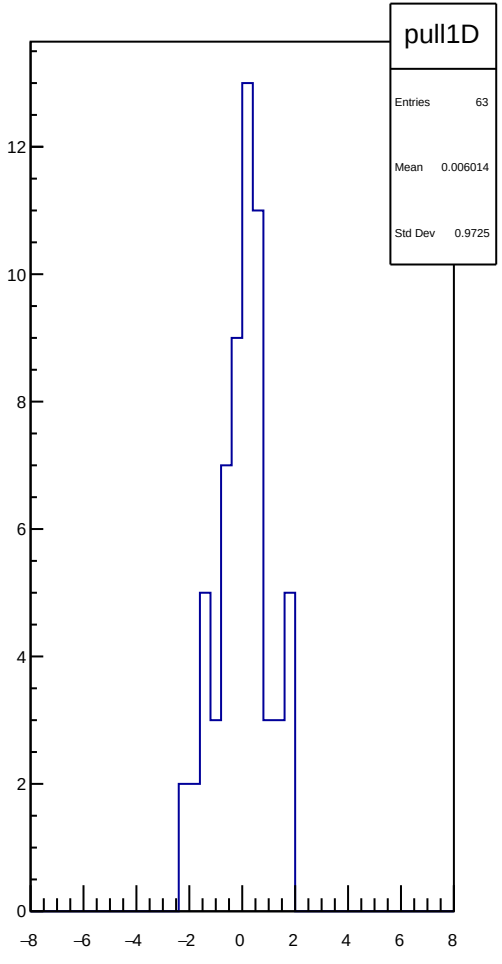

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2377 / 62
p0 528.1 ± 0.4804
580
560
540
520
500
480
460
440
420

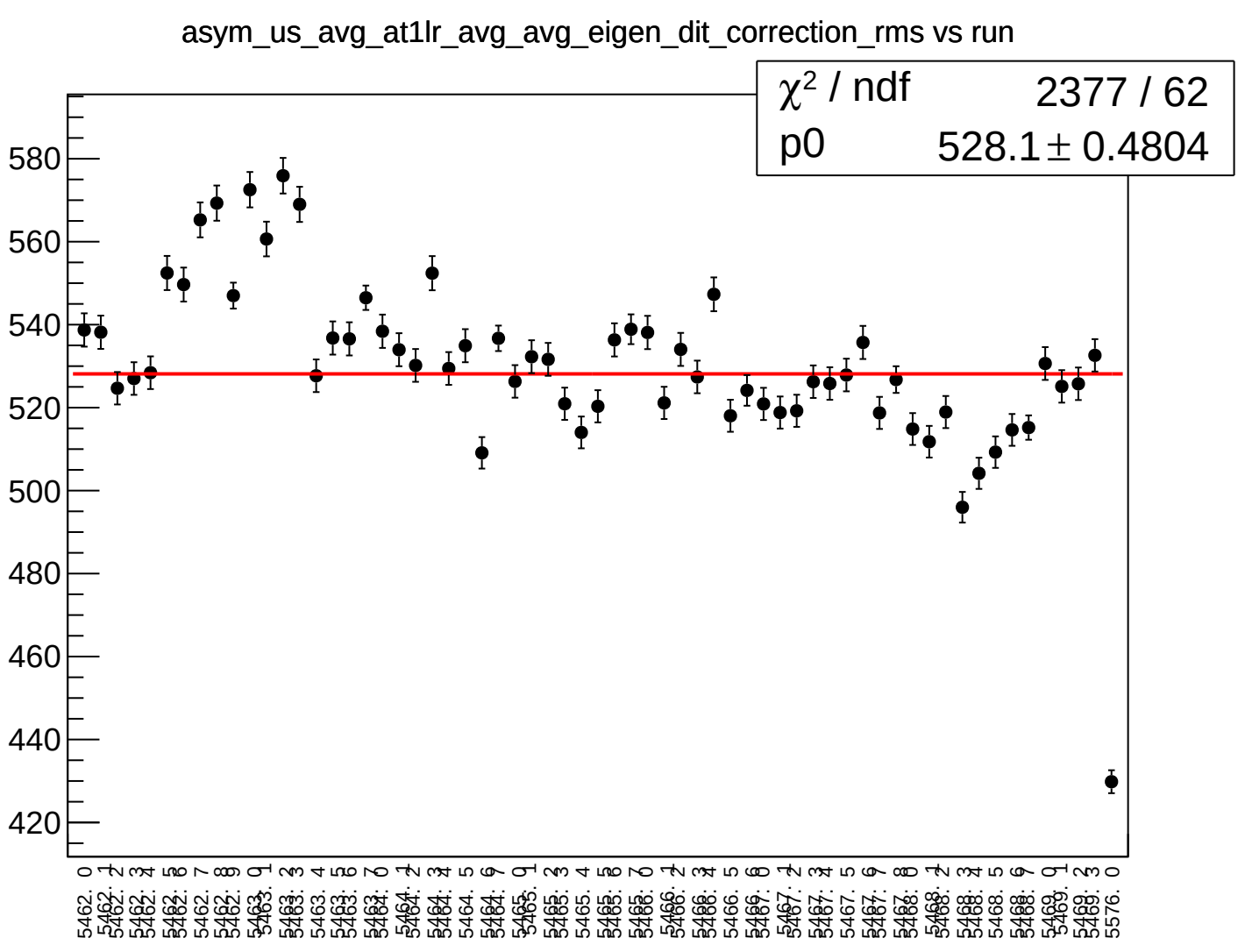

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 63.4 / 62
p0 259.2 ± 3050
pull
Entries 63
Mean 40.82
Std Dev 0

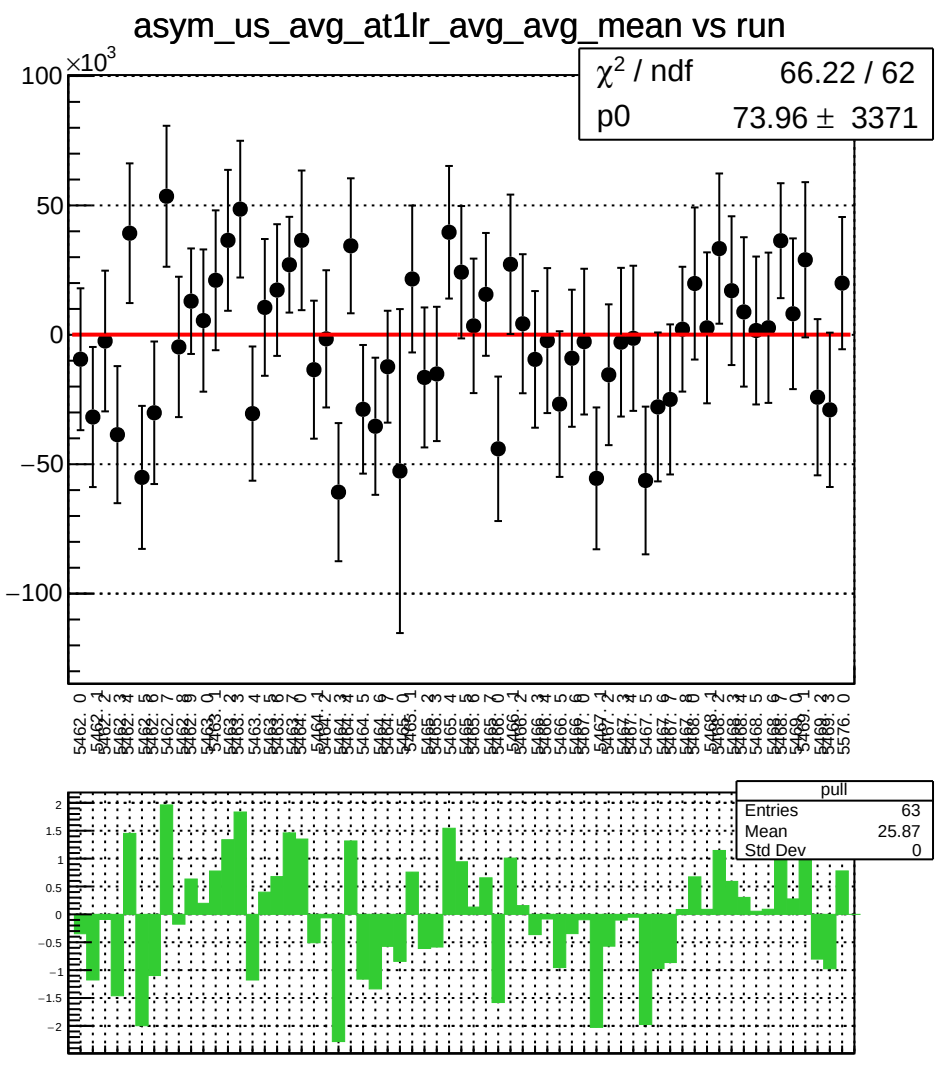

pull1D
Entries 63
Mean −0.02946
Std Dev 1.003

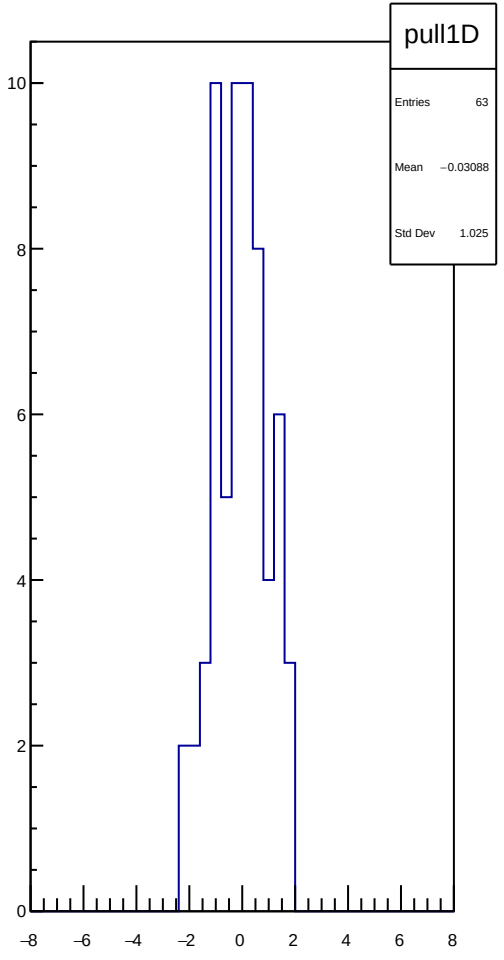

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 9535 / 62
p0 2364 ± 2.157
6000
5500
5000
4500
4000
3500
3000
2500
2000

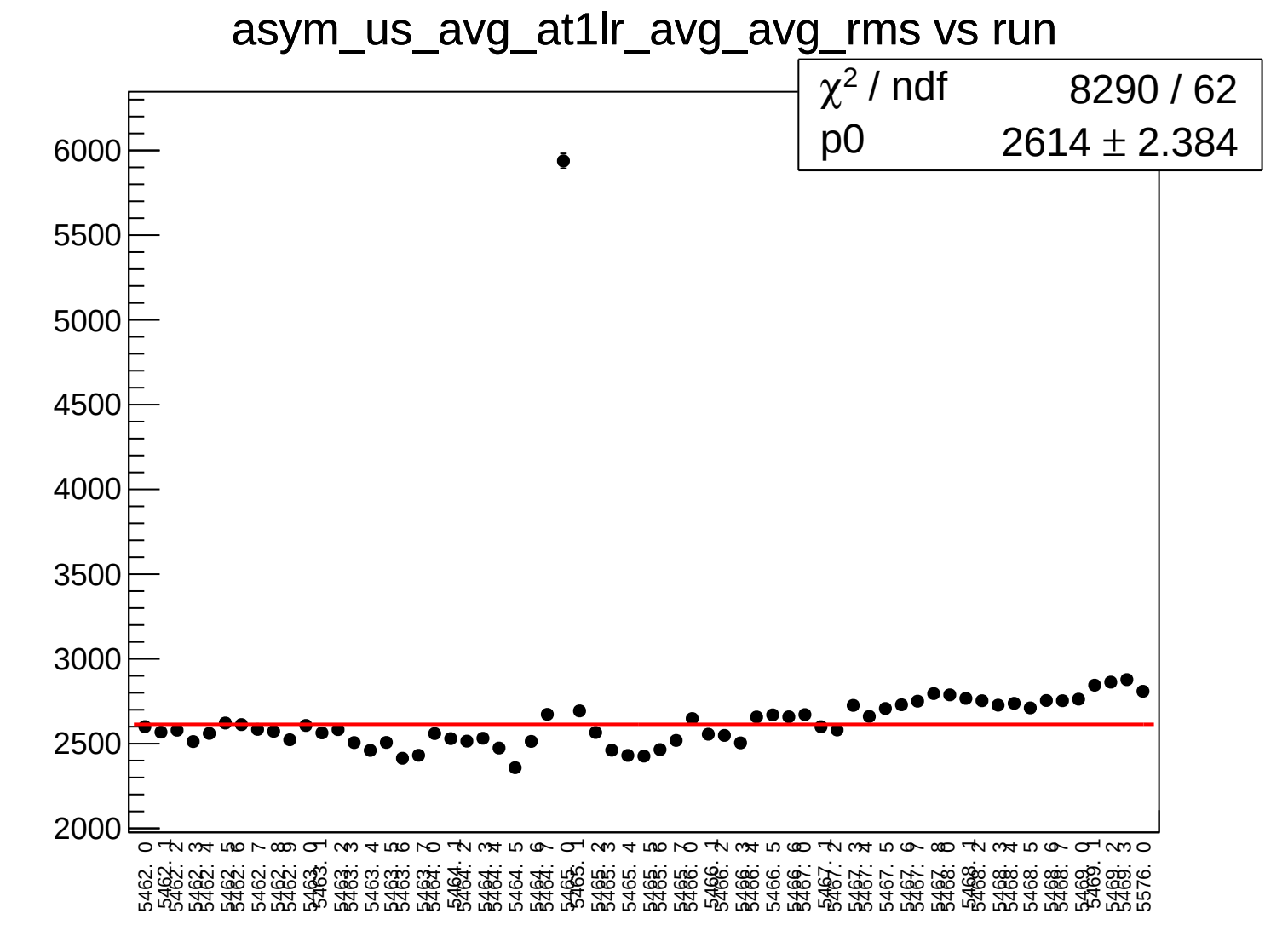

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 59.59 / 62
p0 326.7 ± 679.4
pull
Entries 63
Mean −288.5
Std Dev 0

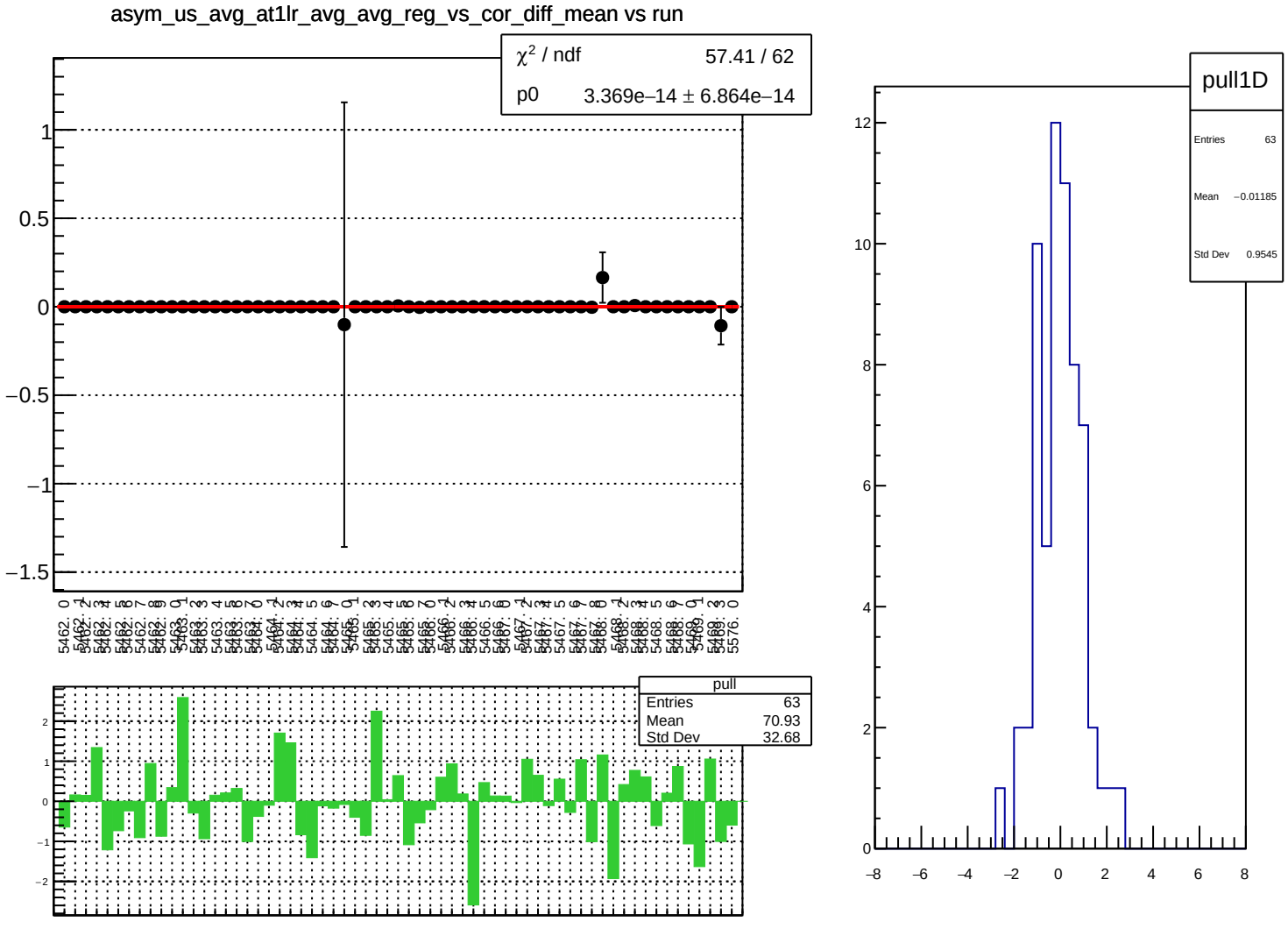

pull1D
Entries 63
Mean 0.006014
Std Dev 0.9725

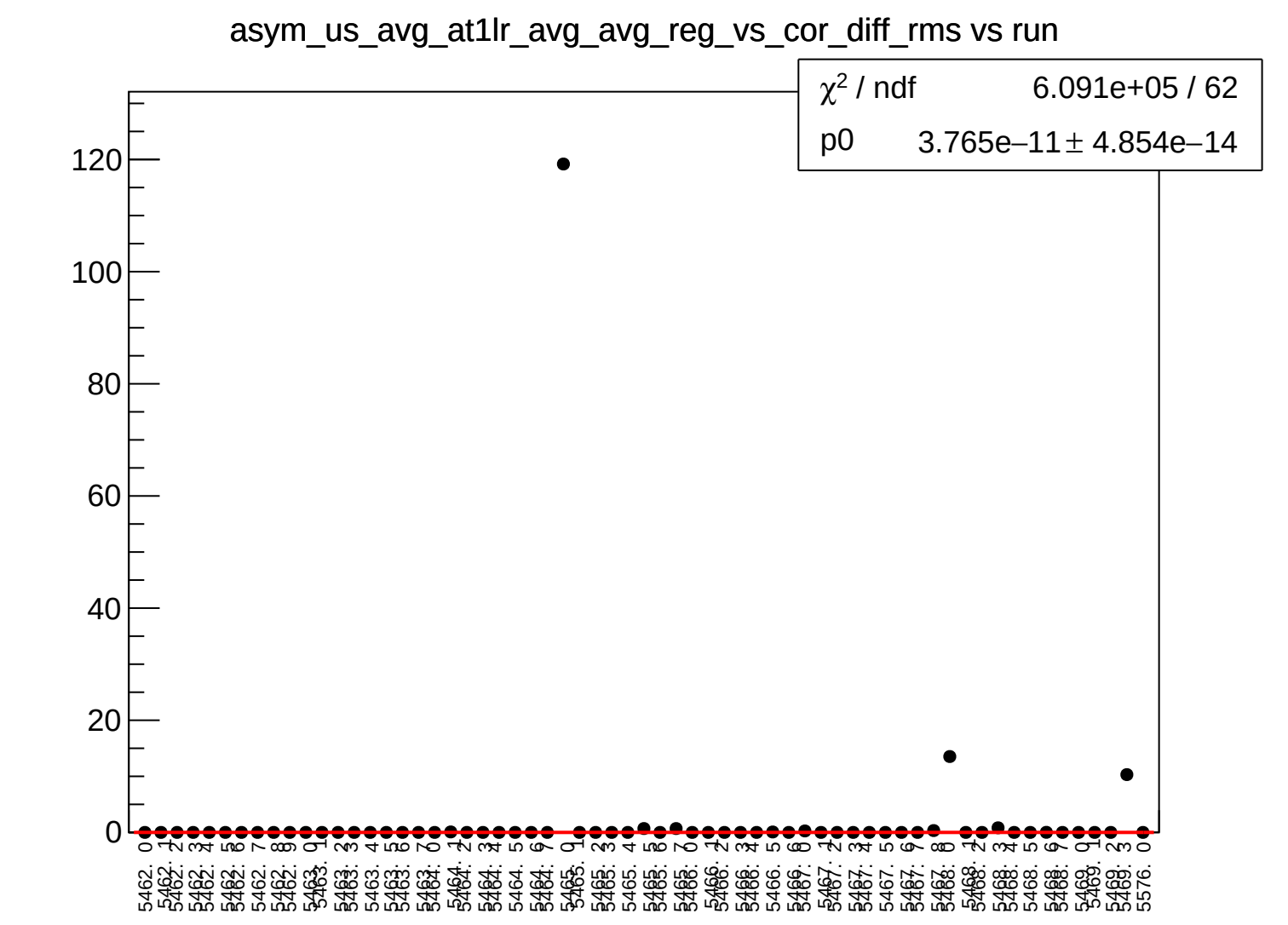

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2377 / 62
p0 528.1 ± 0.4804
580
560
540
520
500
480
460
440
420
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

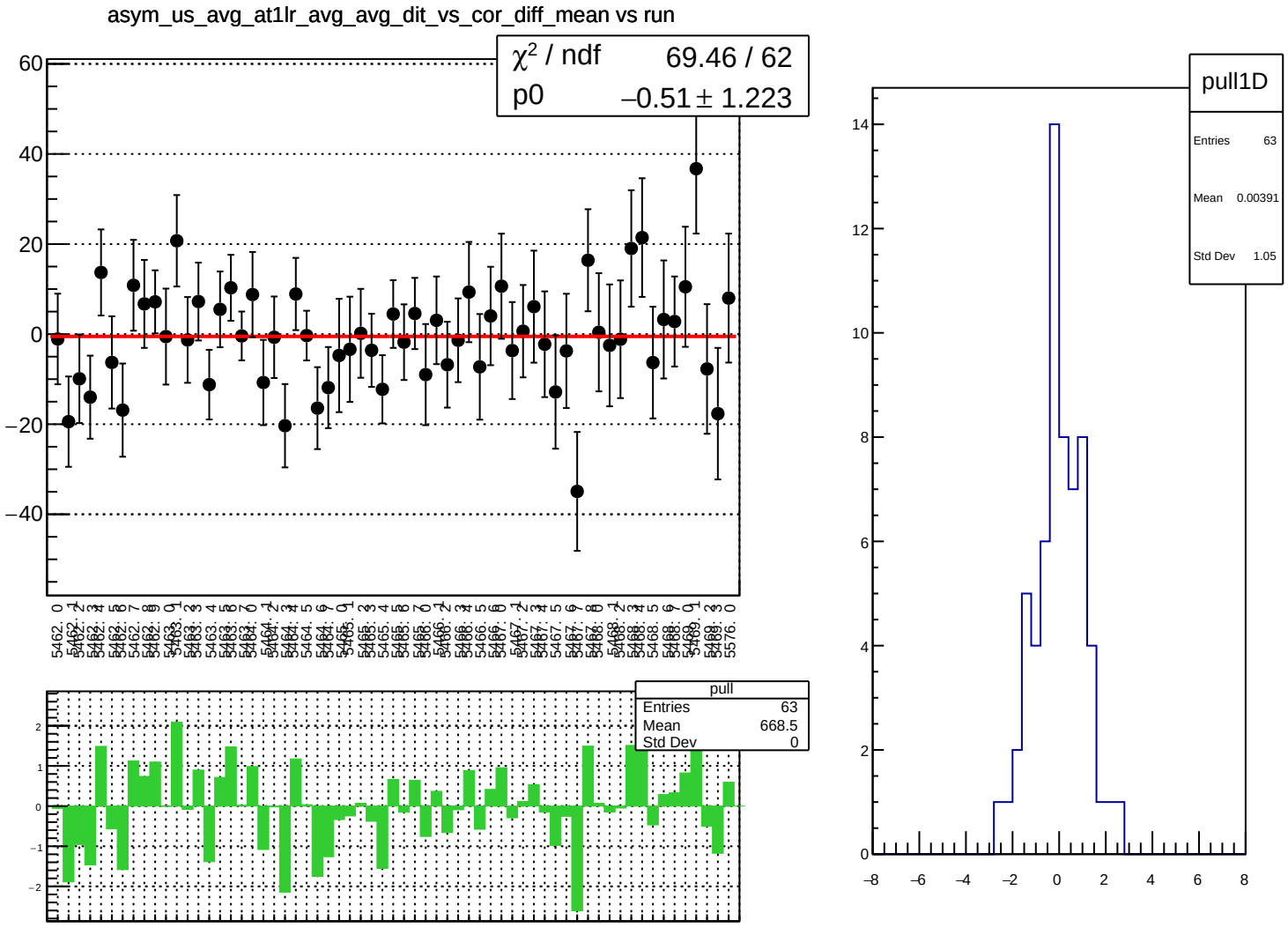

asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 66.22 / 62
p0 73.96 ± 3371
×10³
pull
Entries 63
Mean 25.87
Std Dev 0

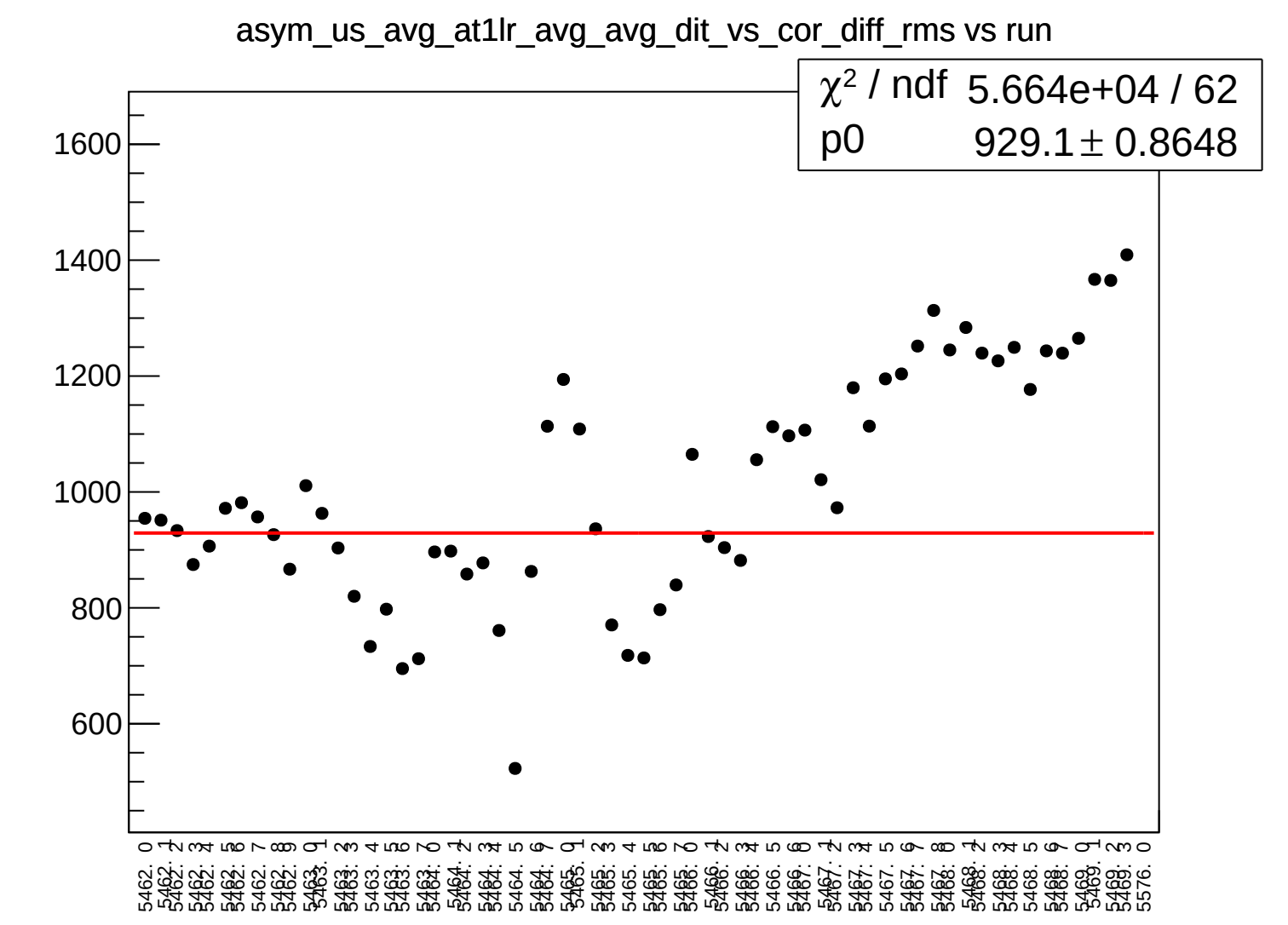

pull1D
Entries 63
Mean −0.03088
Std Dev 1.025

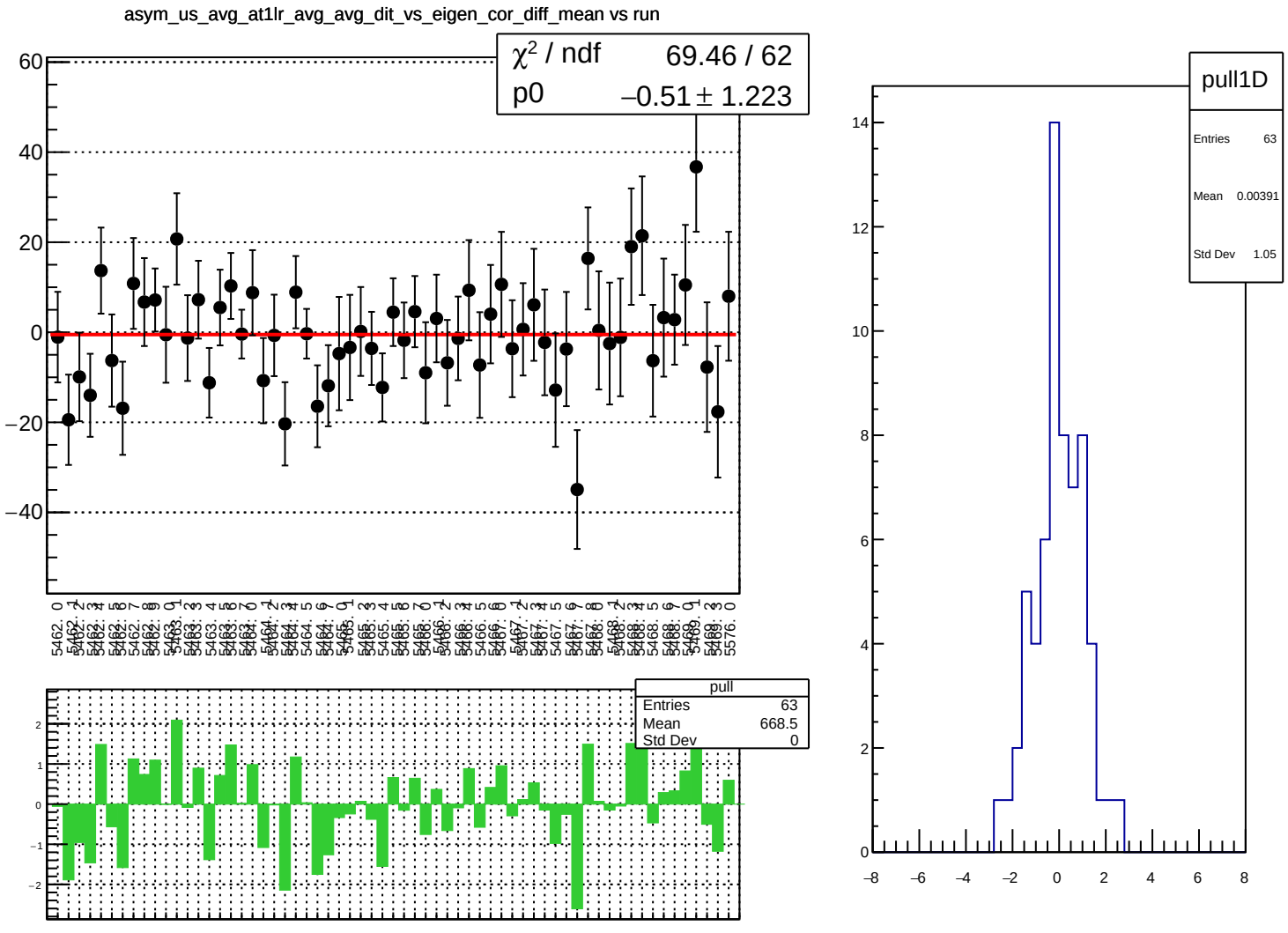

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 8290 / 62
p0 2614 ± 2.384
6000
5500
5000
4500
4000
3500
3000
2500
2000

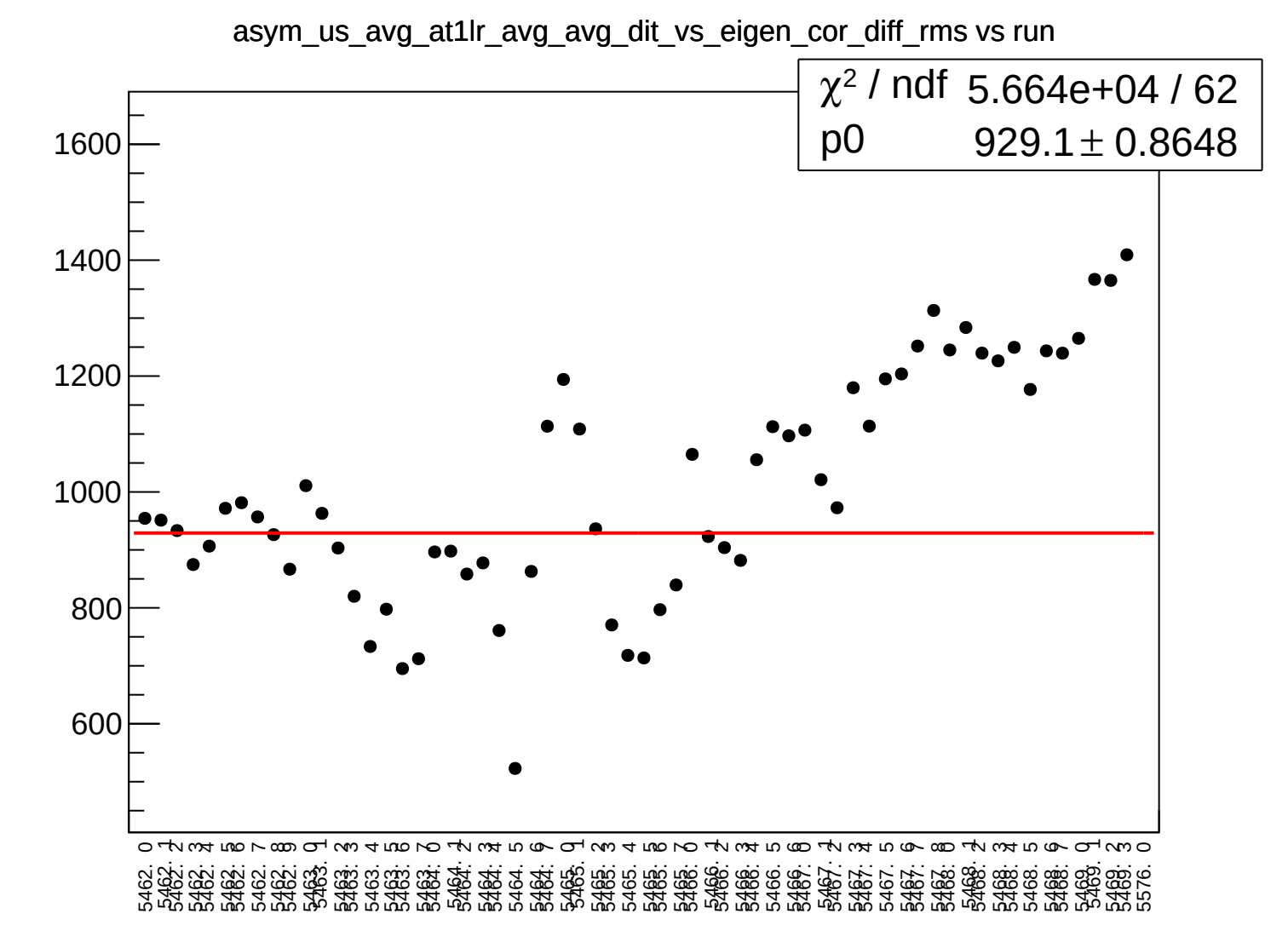

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.41 / 62
p0 3.369e−14 ± 6.864e−14
pull
Entries 63
Mean 70.93
Std Dev 32.68
pull1D
Entries 63
Mean −0.01185
Std Dev 0.9545

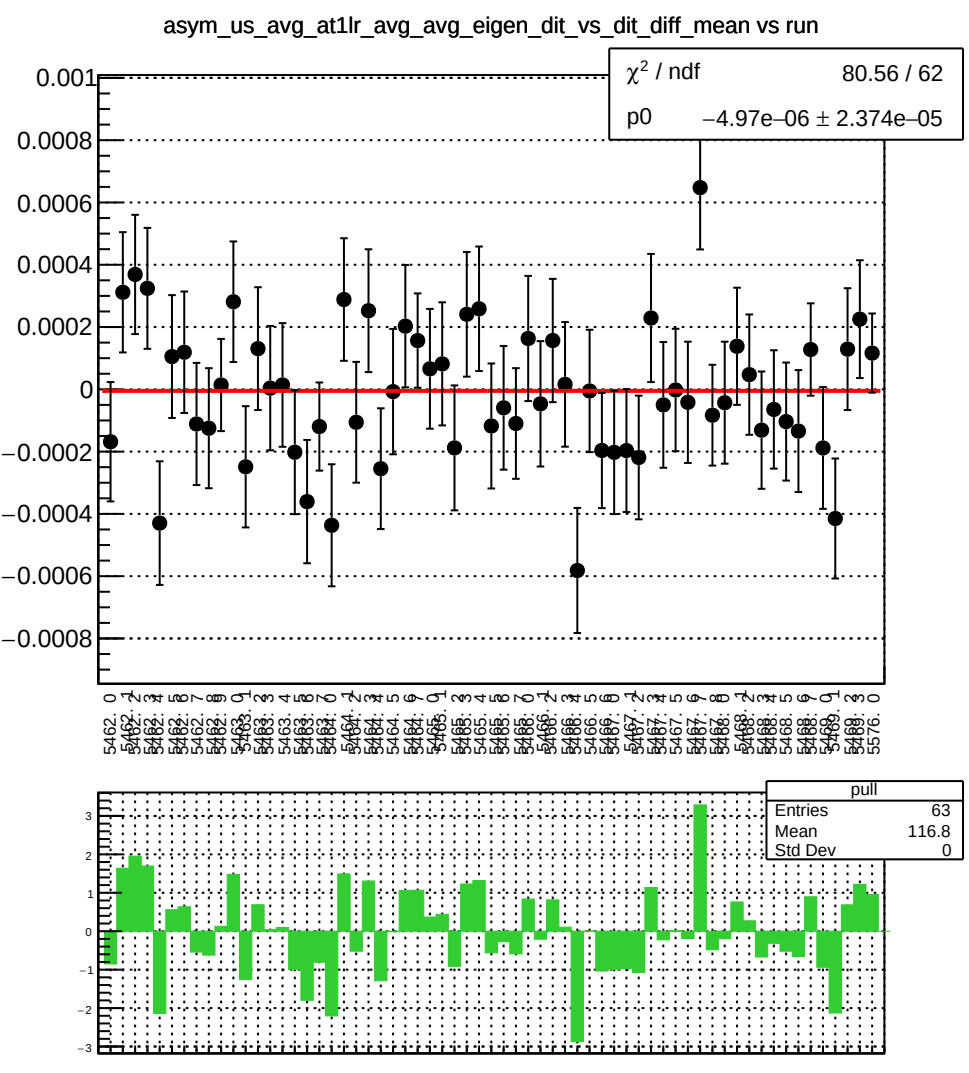

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.091e+05 / 62
p0 3.765e−11 ± 4.854e−14
120
100
80
60
40
20
0

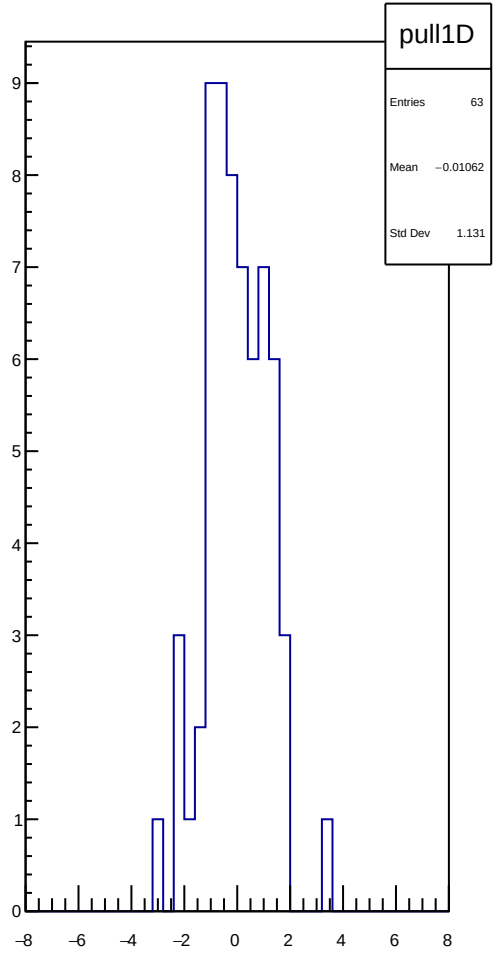

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.46 / 62
p0 −0.51 ± 1.223
pull
Entries 63
Mean 668.5
Std Dev 0
pull1D
Entries 63
Mean 0.00391
Std Dev 1.05

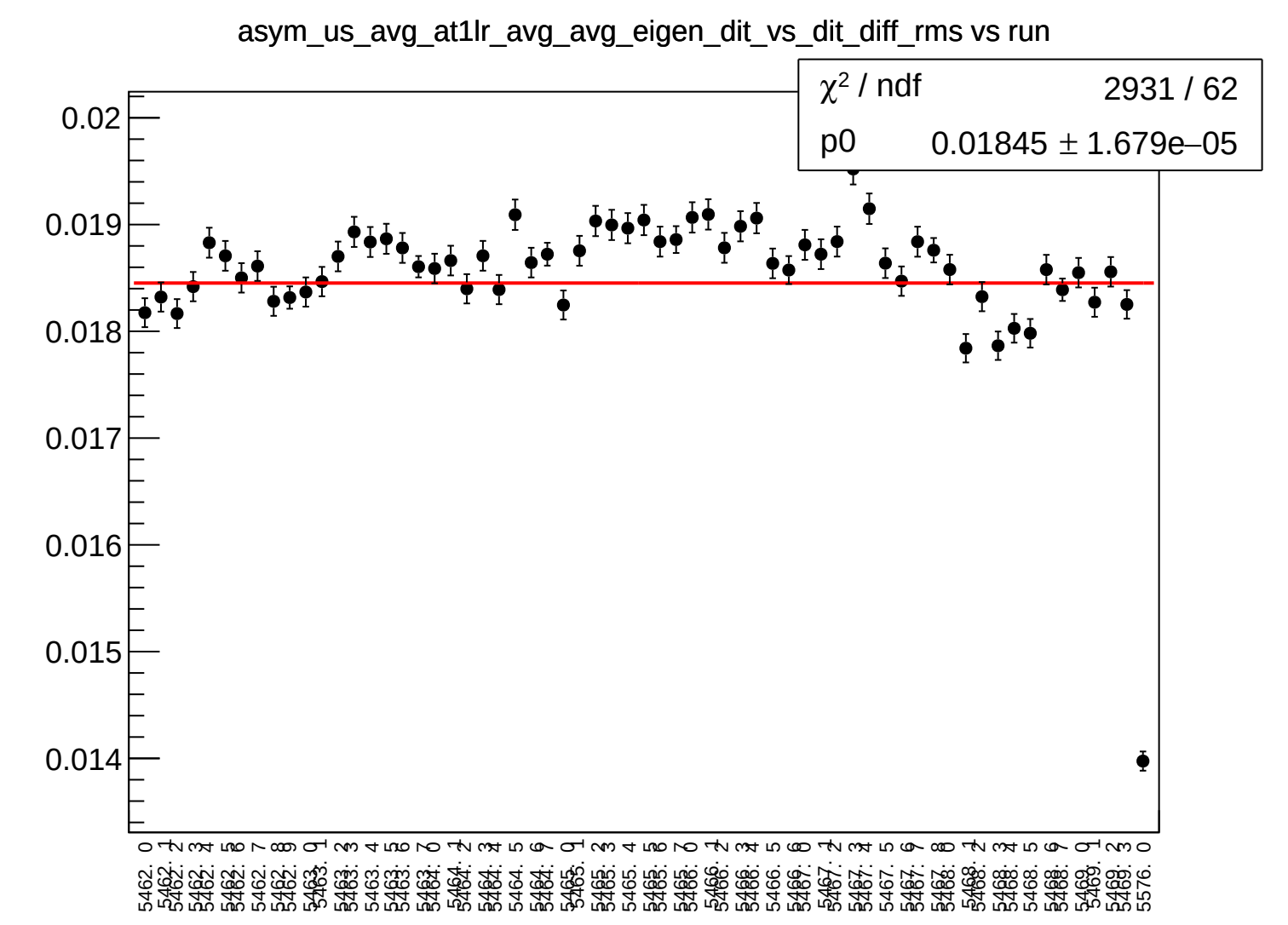

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.664e+04 / 62
p0 929.1 ± 0.8648
1600
1400
1200
1000
800
600

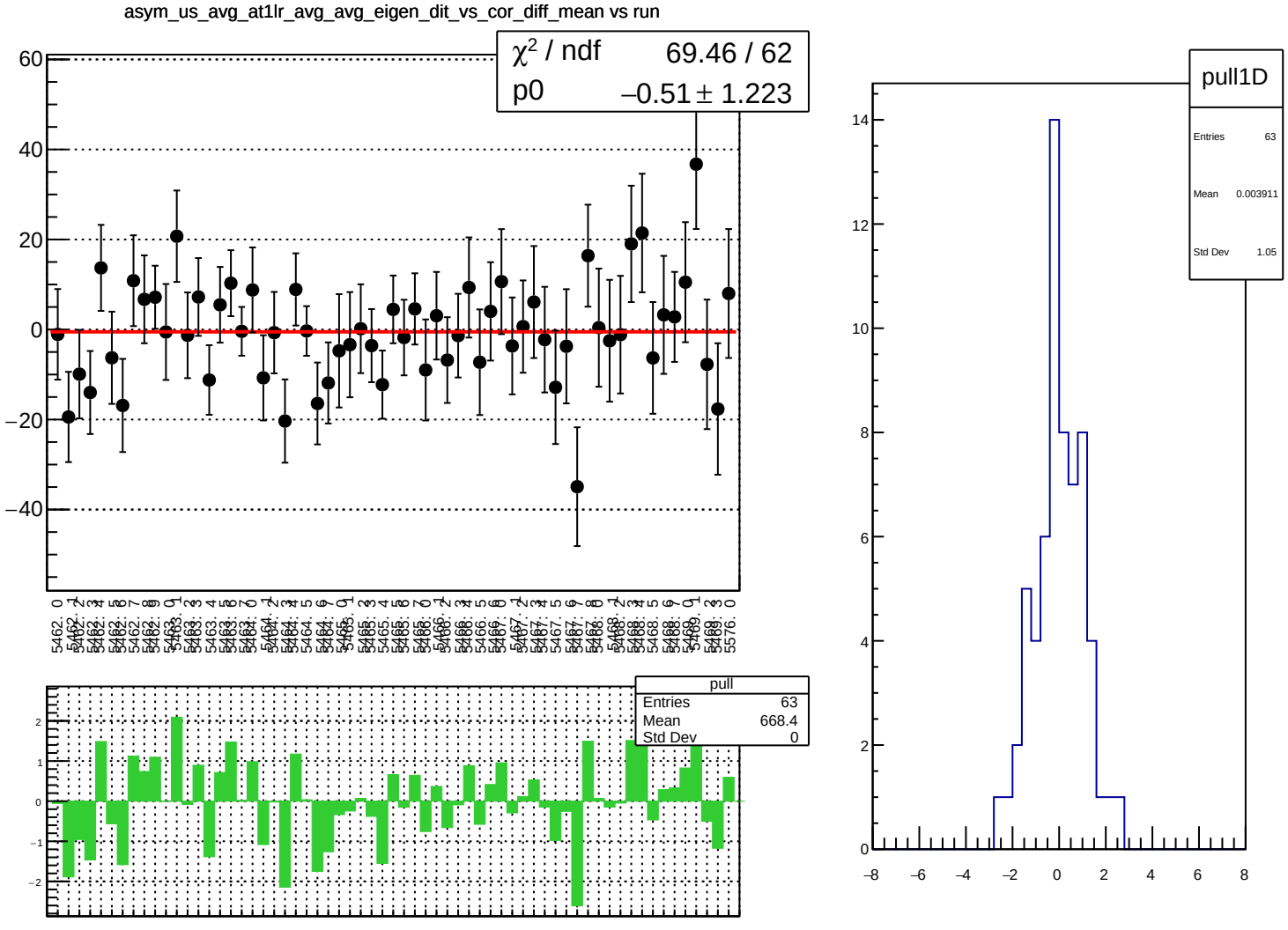

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.46 / 62
p0 −0.51 ± 1.223
pull
Entries 63
Mean 668.5
Std Dev 0
pull1D
Entries 63
Mean 0.00391
Std Dev 1.05

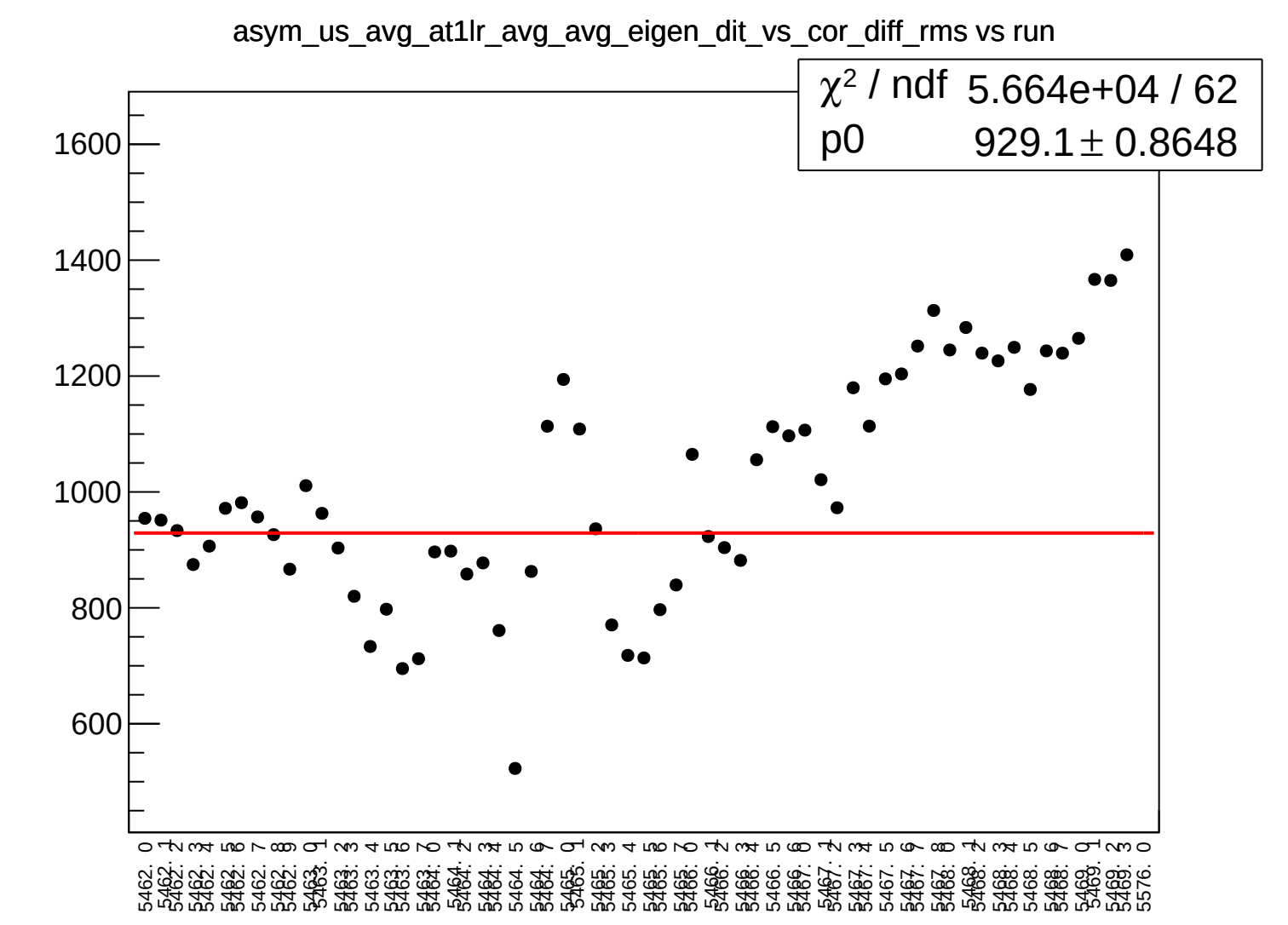

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.664e+04 / 62
p0 929.1 ± 0.8648
1600
1400
1200
1000
800
600

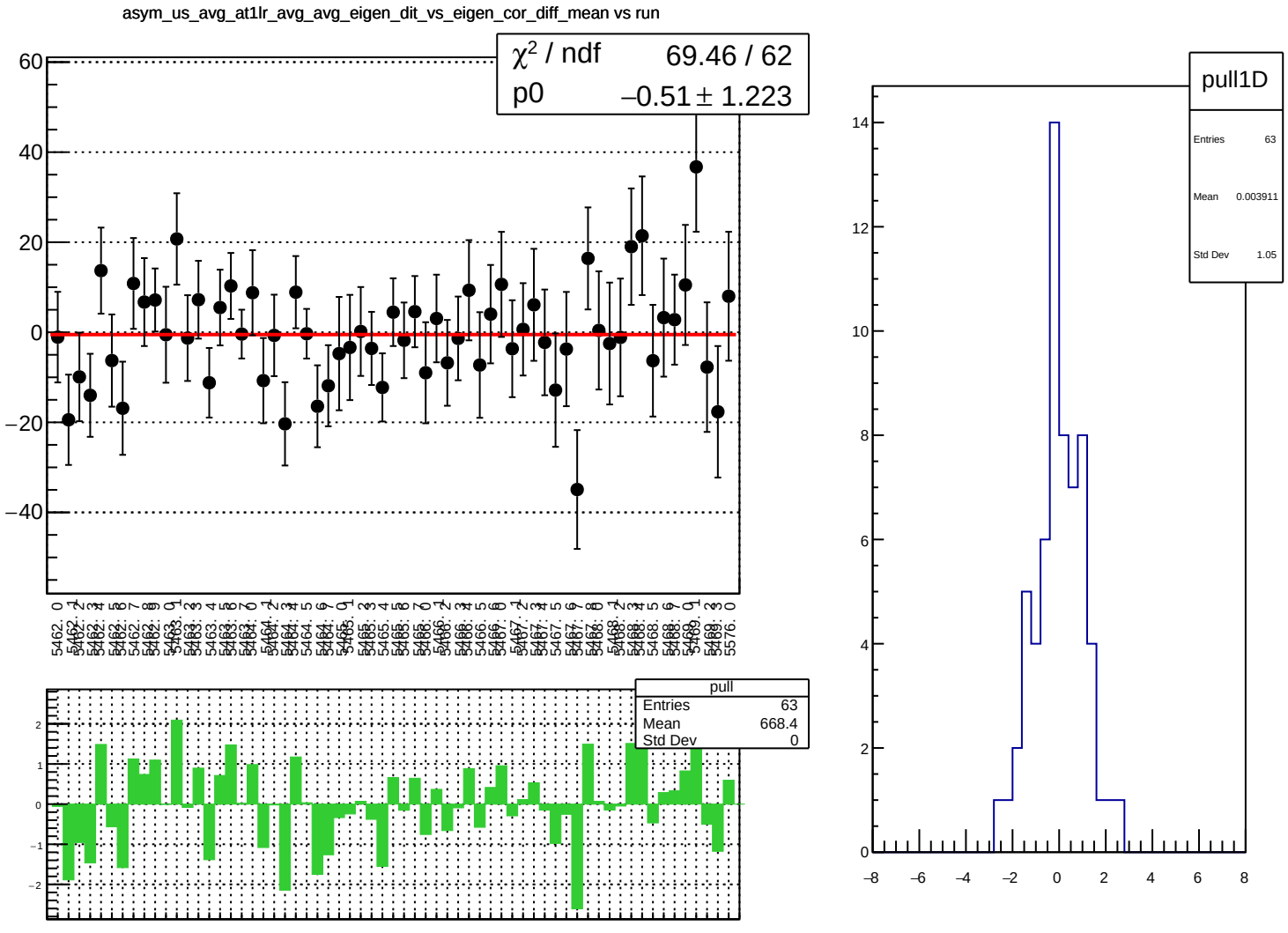

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 80.56 / 62
p0 −4.97e−06 ± 2.374e−05
pull
Entries 63
Mean 116.8
Std Dev 0

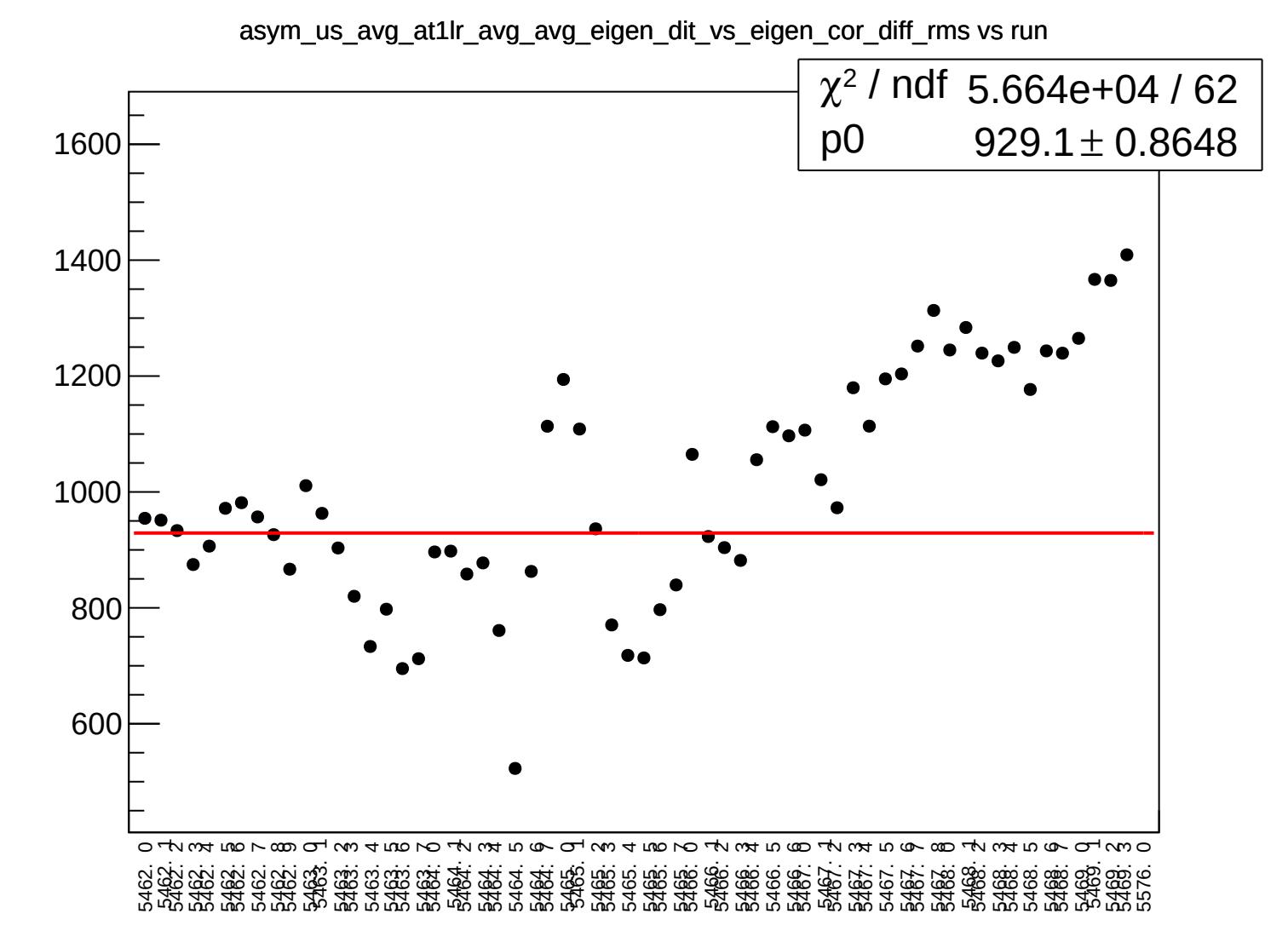

pull1D
Entries 63
Mean −0.01062
Std Dev 1.131

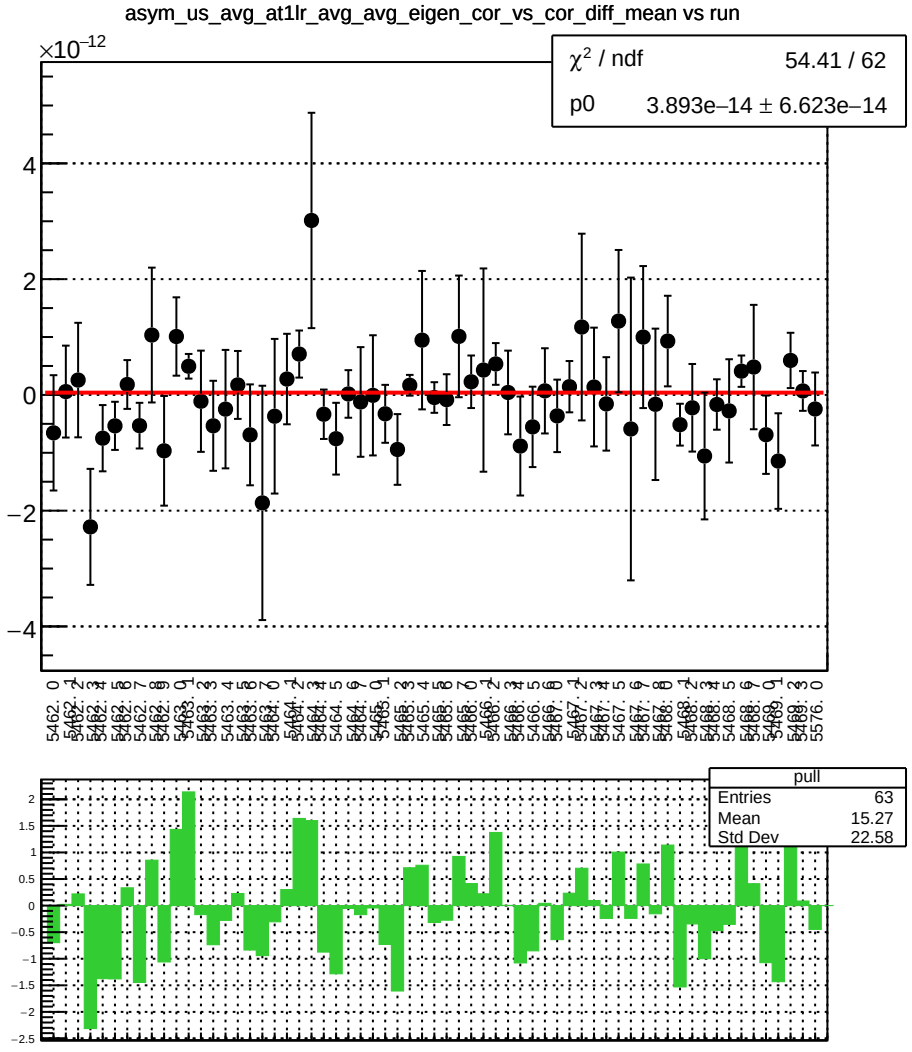

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2931 / 62
p0 0.01845 ± 1.679e−05
0.02
0.019
0.018
0.017
0.016
0.015
0.014

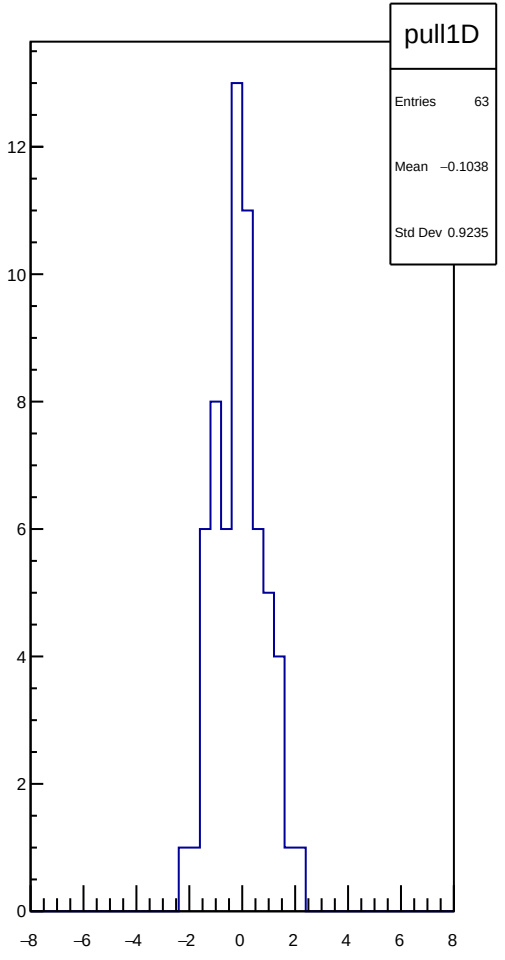

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.46 / 62
p0 −0.51 ± 1.223
pull
Entries 63
Mean 668.4
Std Dev 0
pull1D
Entries 63
Mean 0.003911
Std Dev 1.05

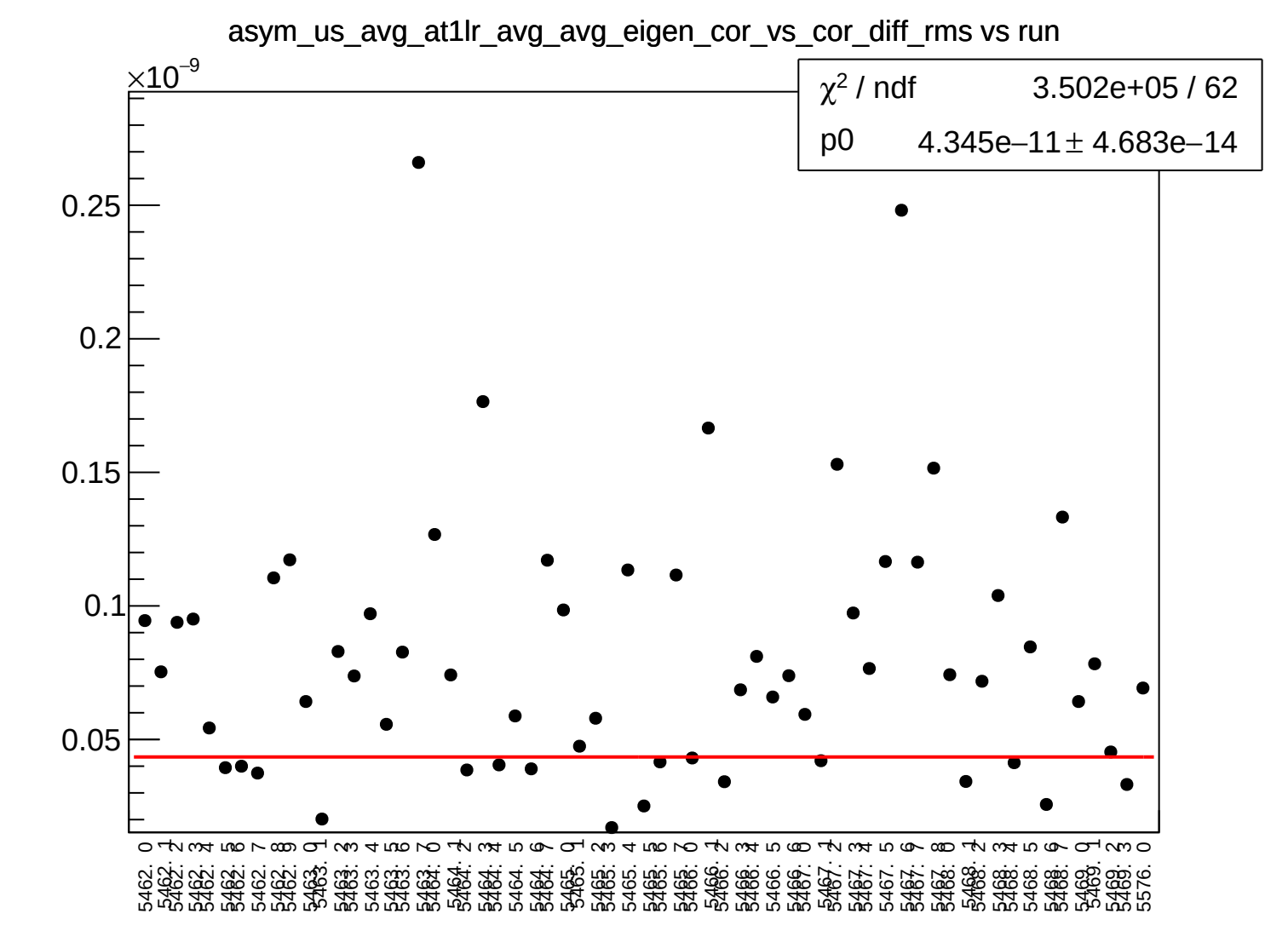

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.664e+04 / 62
p0 929.1 ± 0.8648
1600
1400
1200
1000
800
600

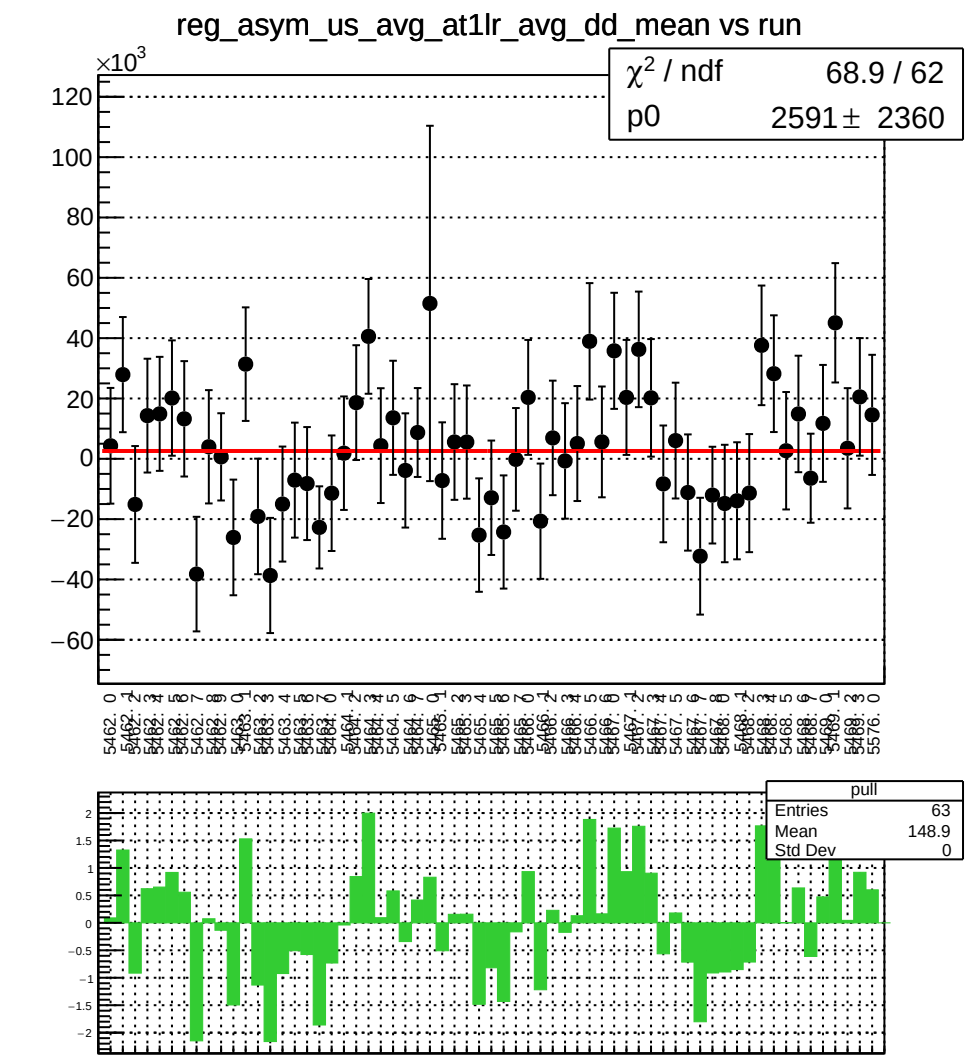

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.46 / 62
p0 −0.51 ± 1.223
pull
Entries 63
Mean 668.4
Std Dev 0
pull1D
Entries 63
Mean 0.003911
Std Dev 1.05

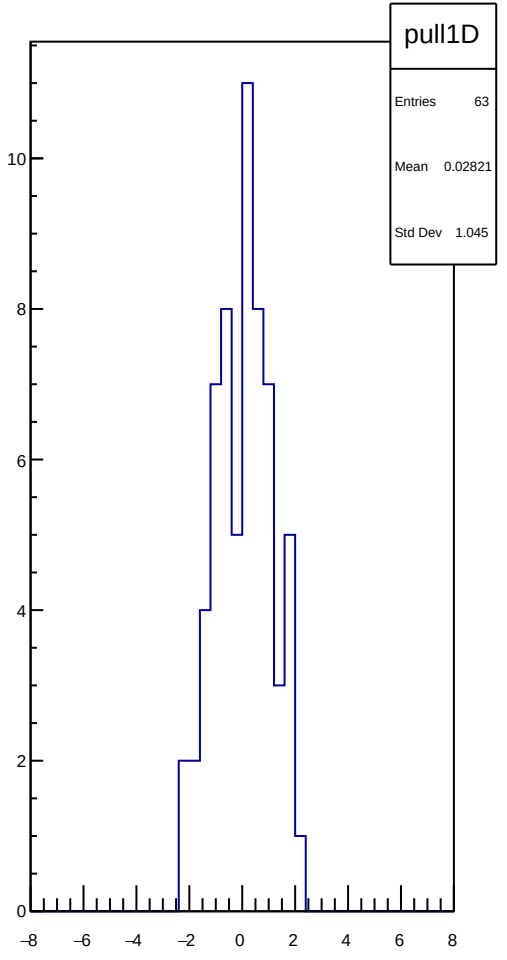

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.664e+04 / 62
p0 929.1 ± 0.8648
1600
1400
1200
1000
800
600

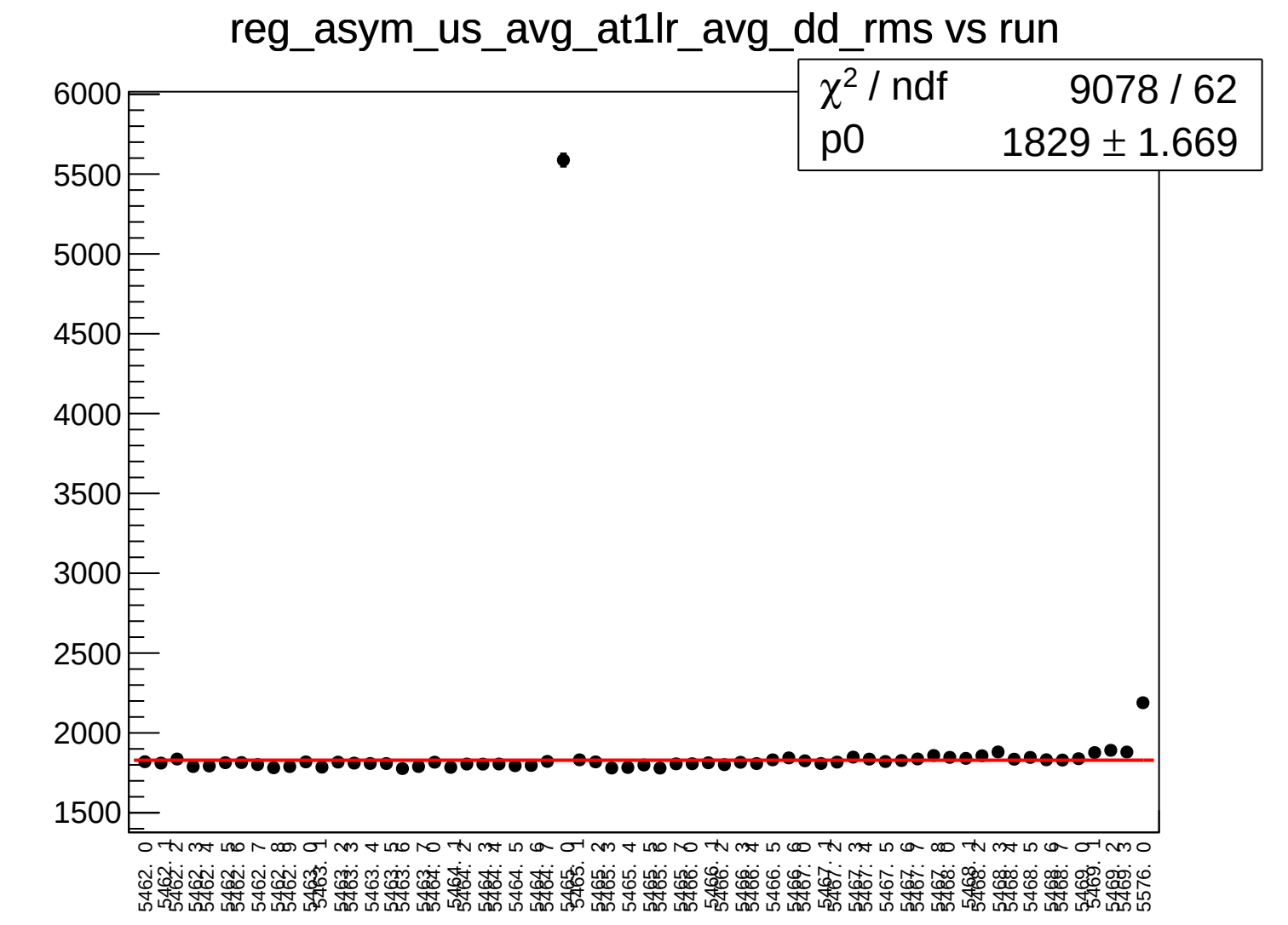

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.41 / 62
p0 3.893e−14 ± 6.623e−14
pull
Entries 63
Mean 15.27
Std Dev 22.58

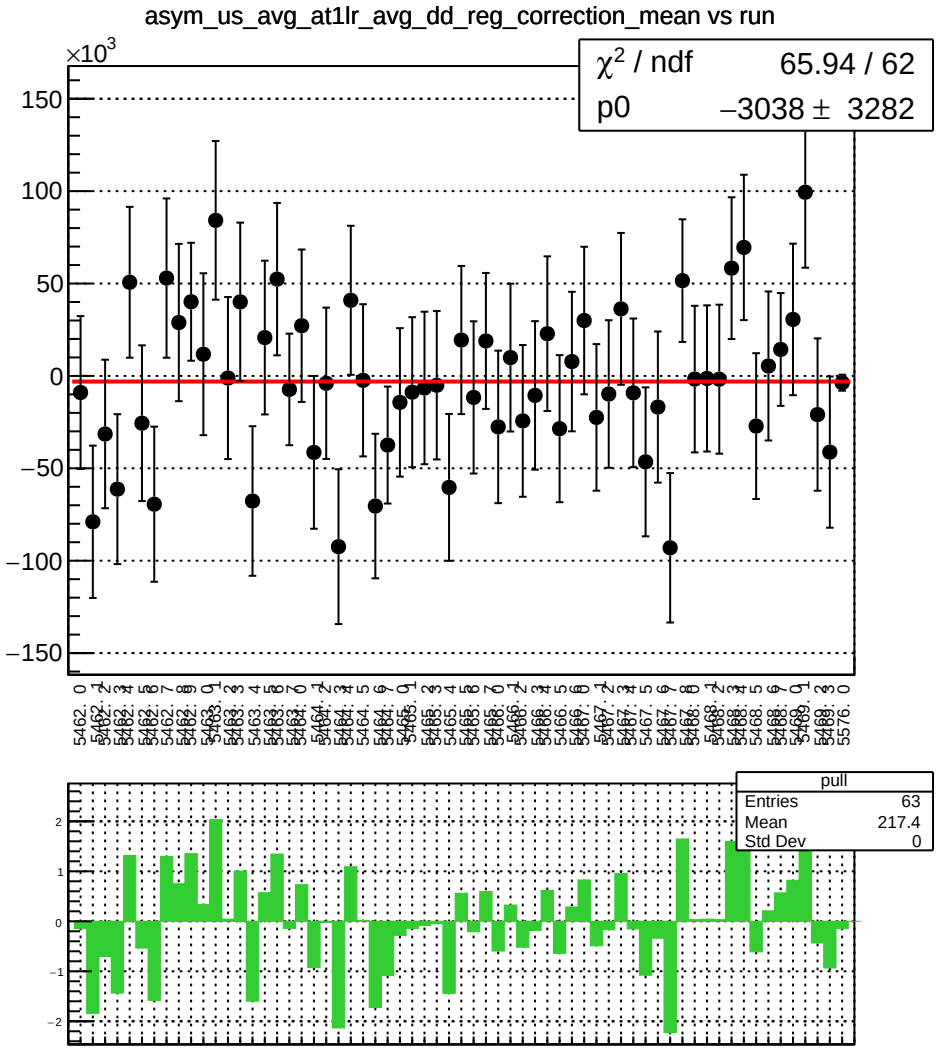

pull1D
Entries 63
Mean −0.1038
Std Dev 0.9235

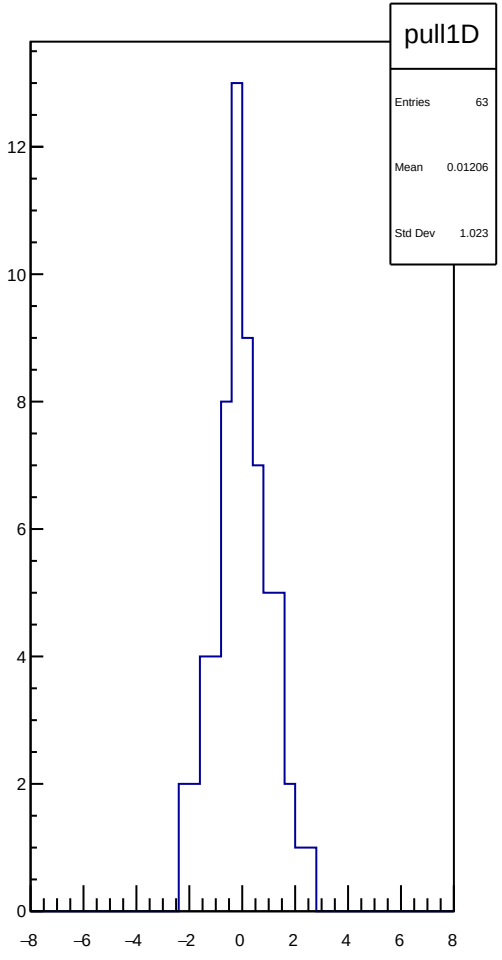

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.502e+05 / 62
p0 4.345e−11 ± 4.683e−14
0.25
0.2
0.15
0.1
0.05

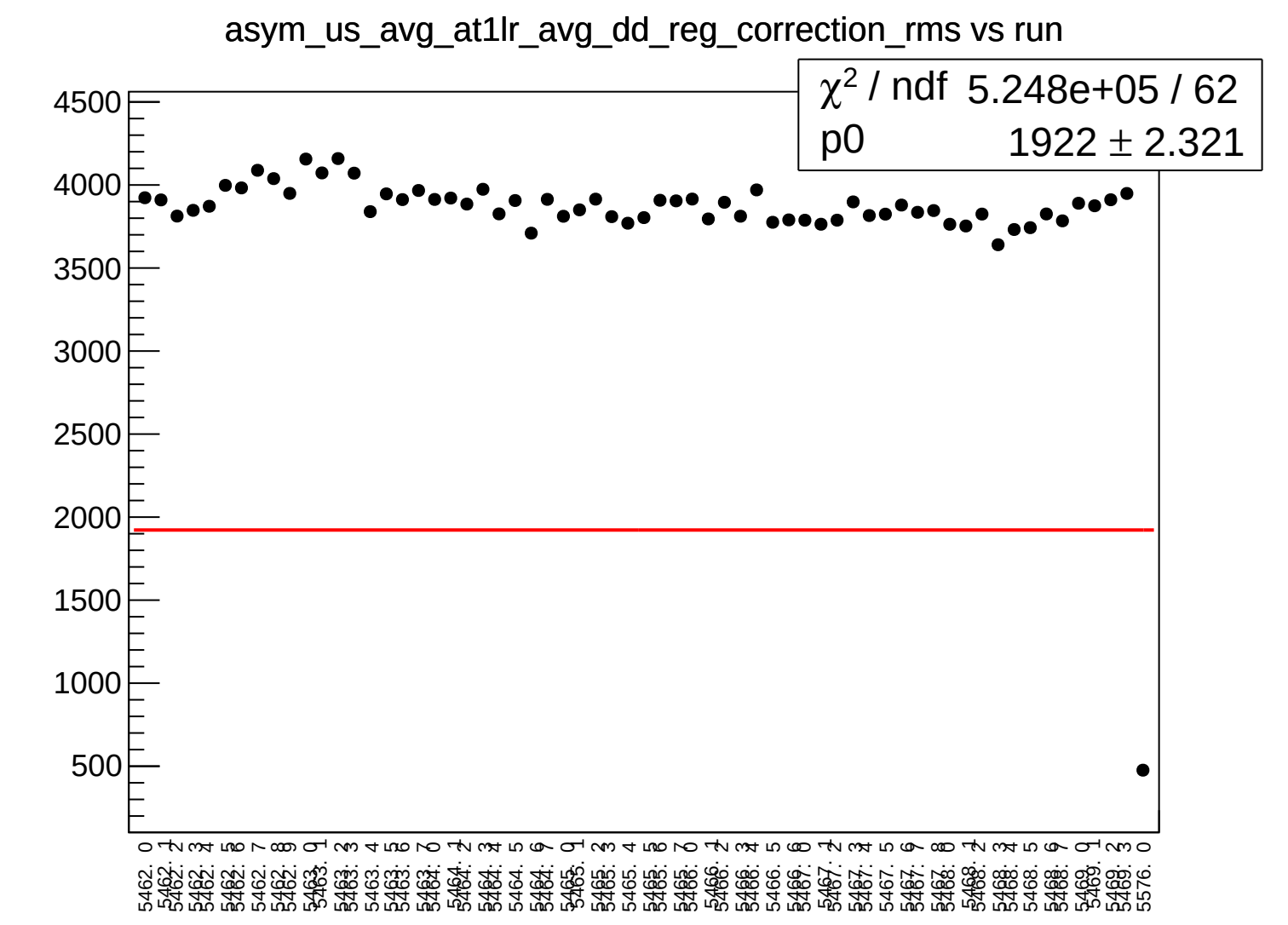

reg_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 68.9 / 62
p0 2591 ± 2360
120
100
80
60
40
20
0
−20
−40
−60
pull
Entries 63
Mean 148.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

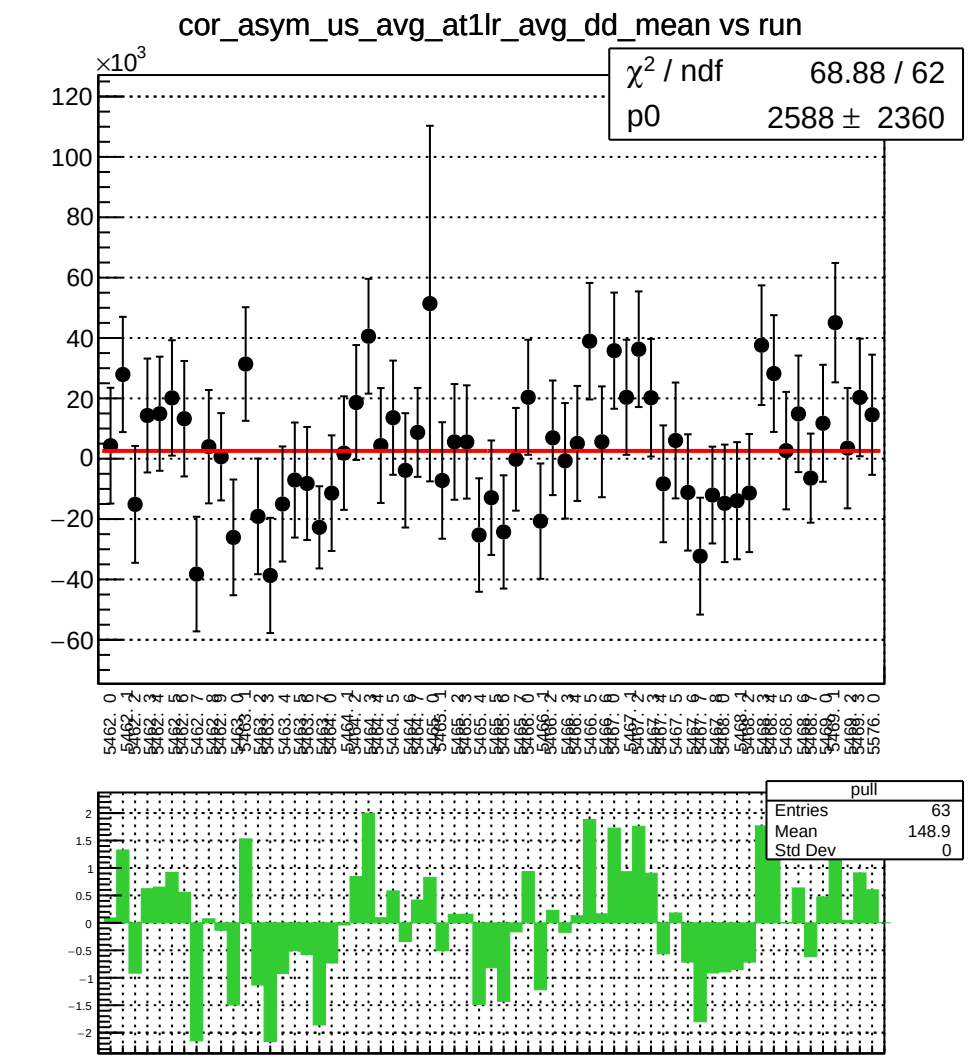

pull1D
Entries 63
Mean 0.02821
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

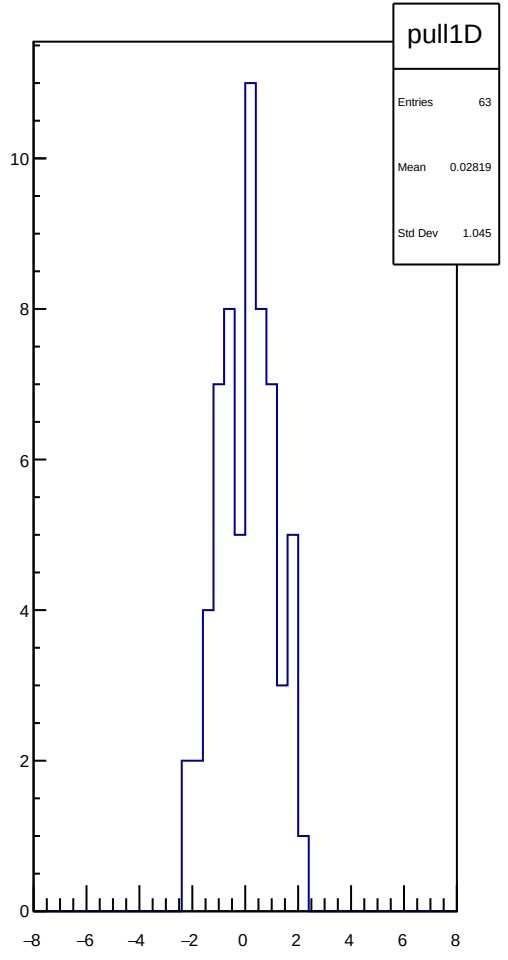

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 9078 / 62
p0 1829 ± 1.669
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

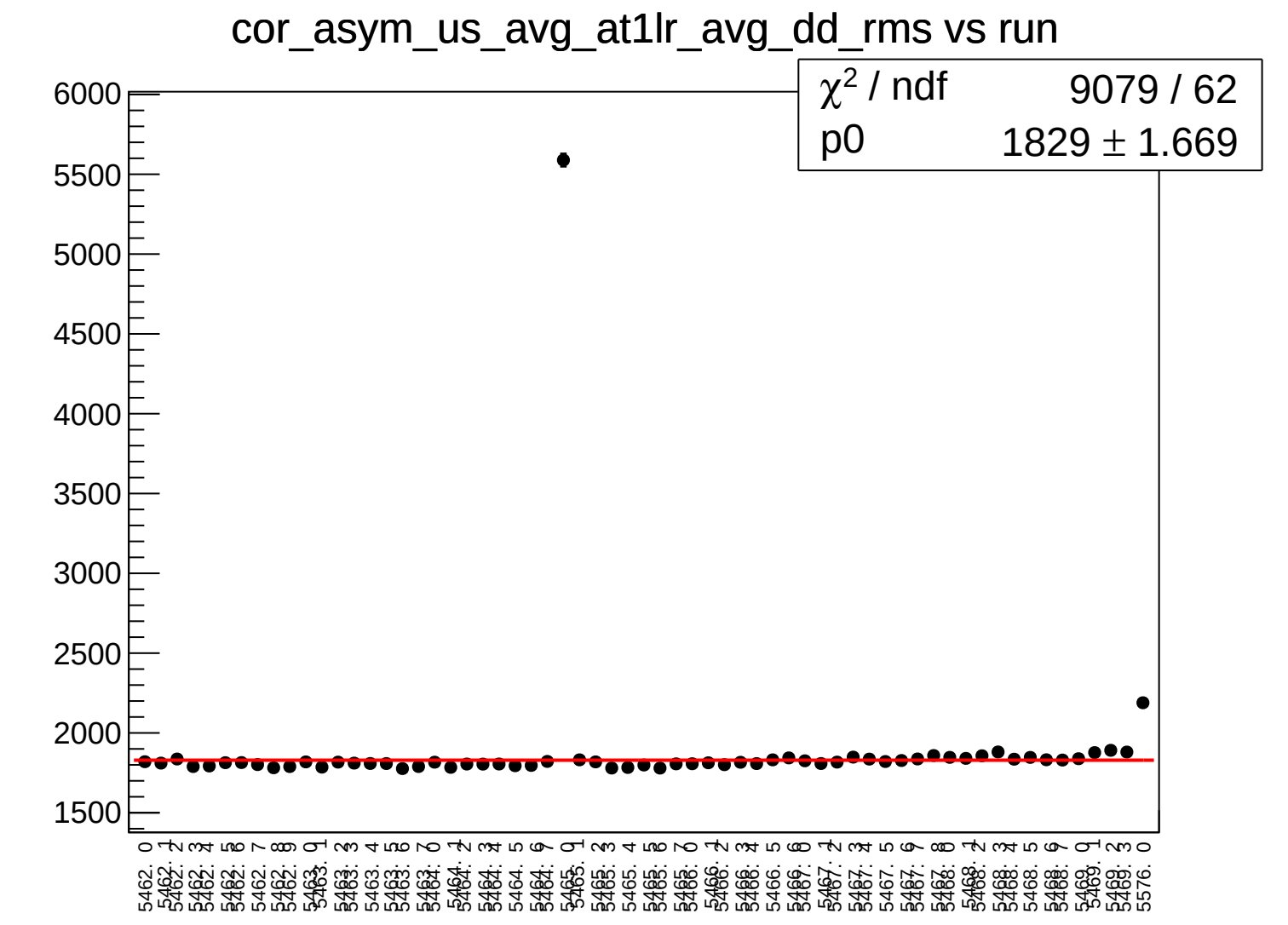

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.94 / 62
p0 −3038 ± 3282
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 217.4
Std Dev 0
2
1
0
−1
−2

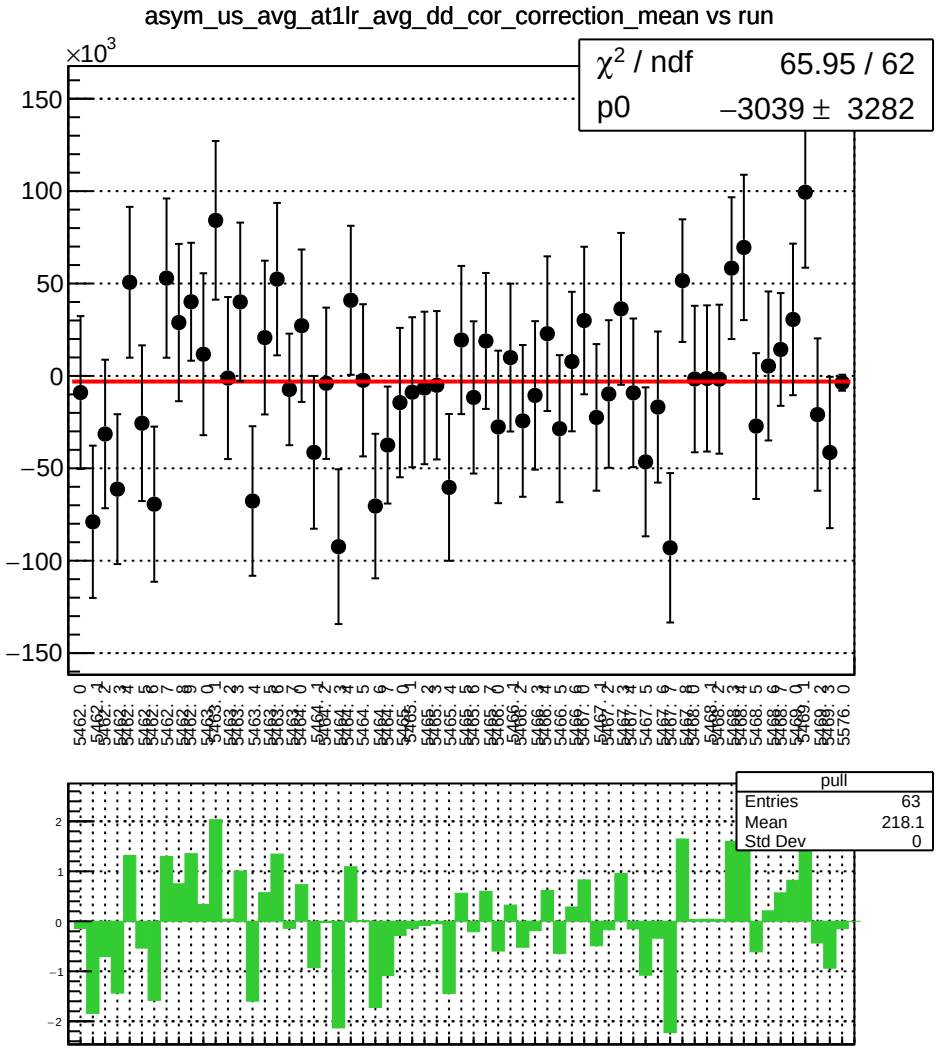

pull1D
Entries 63
Mean 0.01206
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

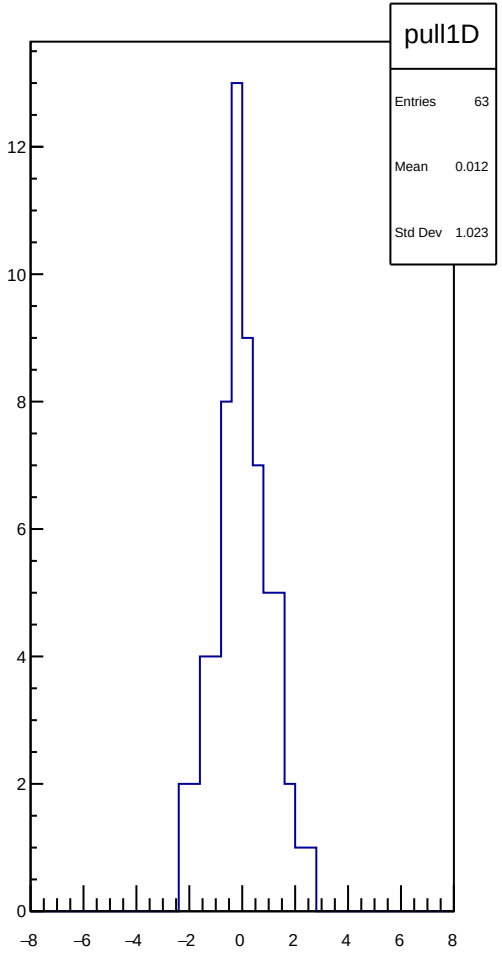

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 5.248e+05 / 62
p0 1922 ± 2.321
4500
4000
3500
3000
2500
2000
1500
1000
500

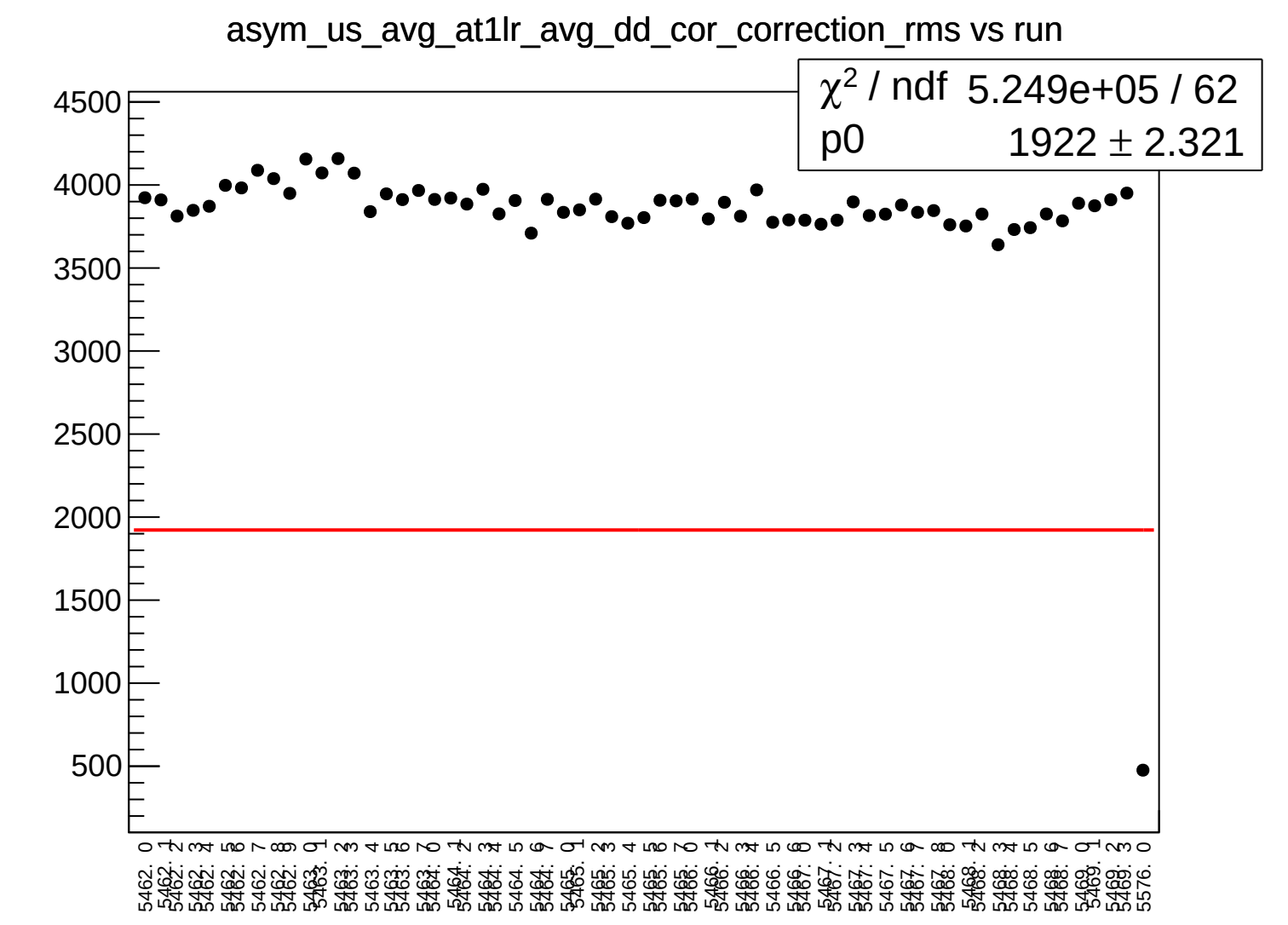

cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 68.88 / 62
p0 2588 ± 2360
pull
Entries 63
Mean 148.9
Std Dev 0

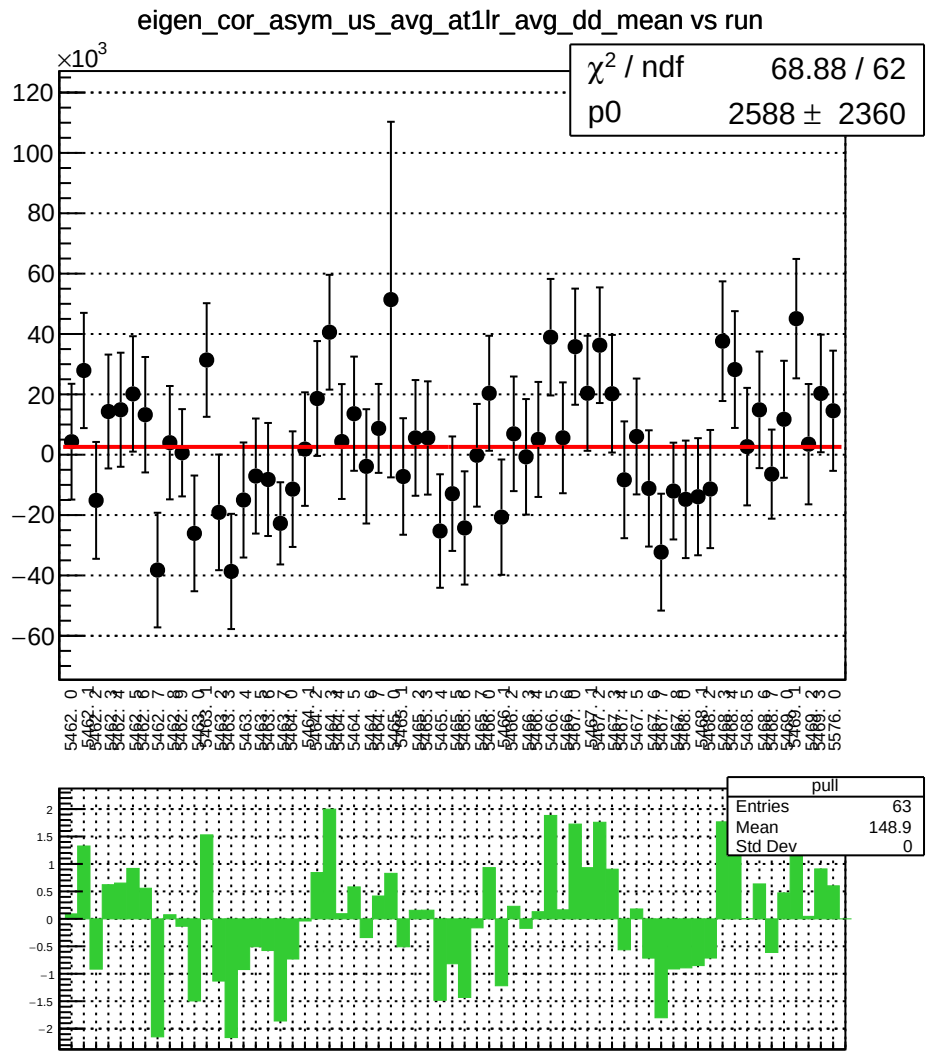

pull1D
Entries 63
Mean 0.02819
Std Dev 1.045

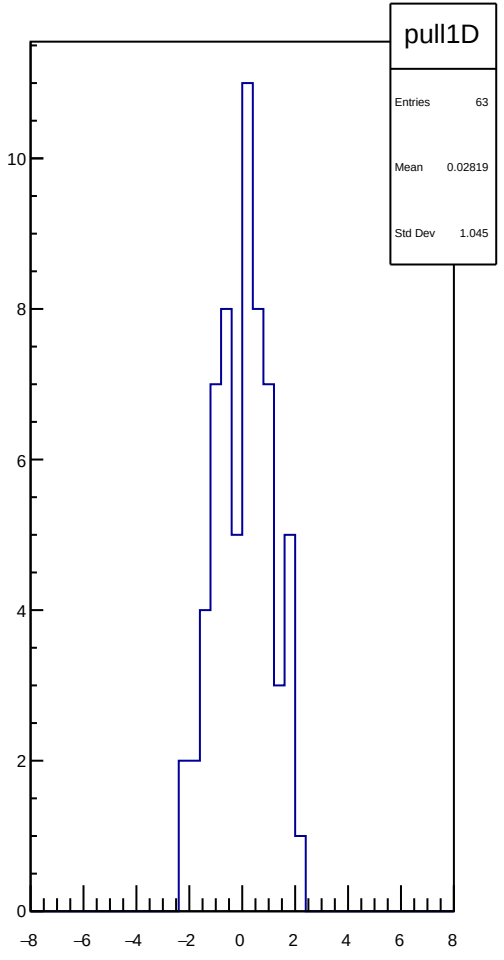

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 9079 / 62
p0 1829 ± 1.669
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

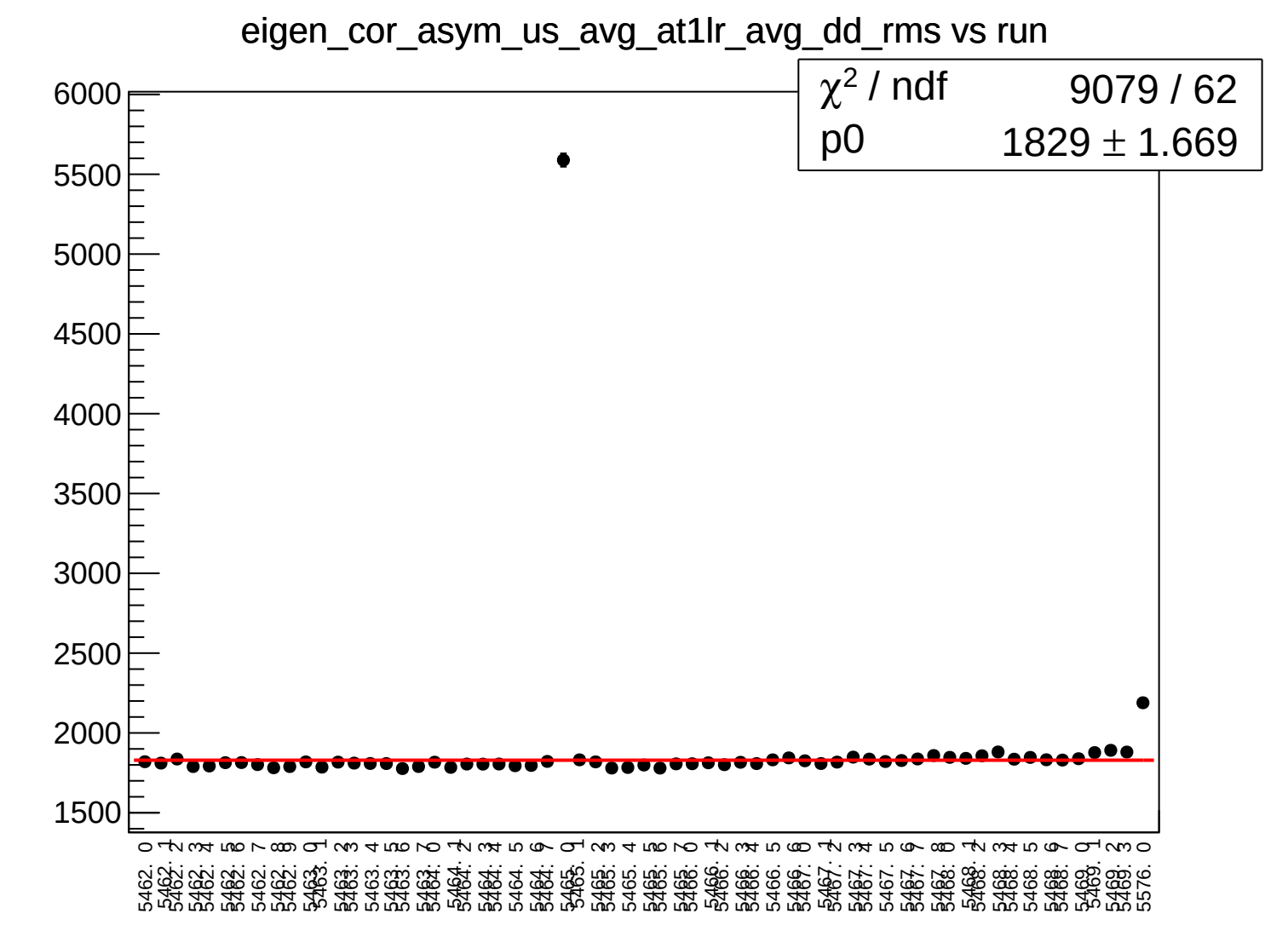

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.95 / 62
p0 −3039 ± 3282
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 218.1
Std Dev 0
2
1
0
−1
−2

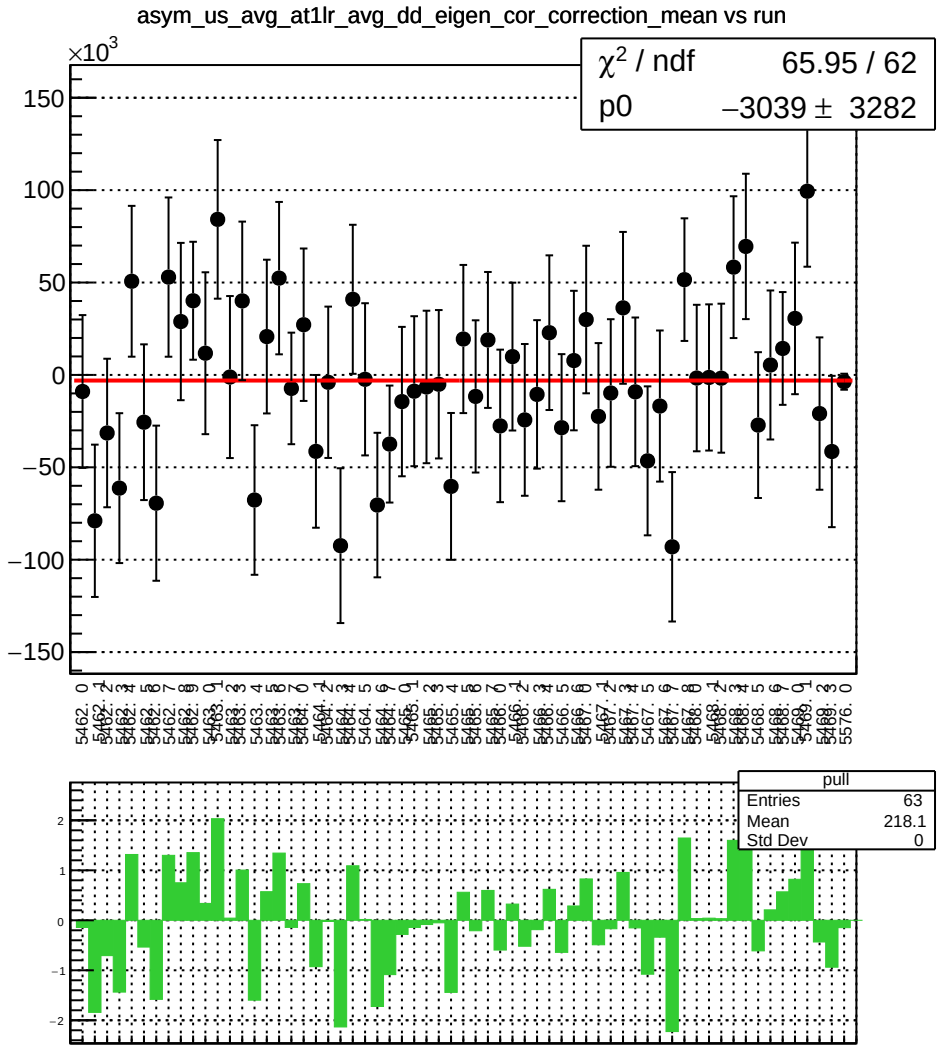

pull1D
Entries 63
Mean 0.012
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

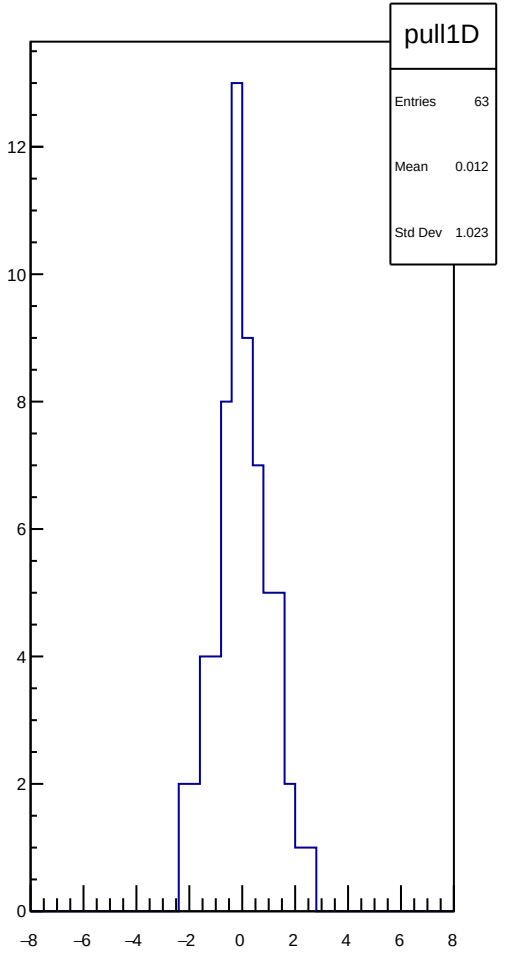

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 5.249e+05 / 62
p0 1922 ± 2.321
4500
4000
3500
3000
2500
2000
1500
1000
500

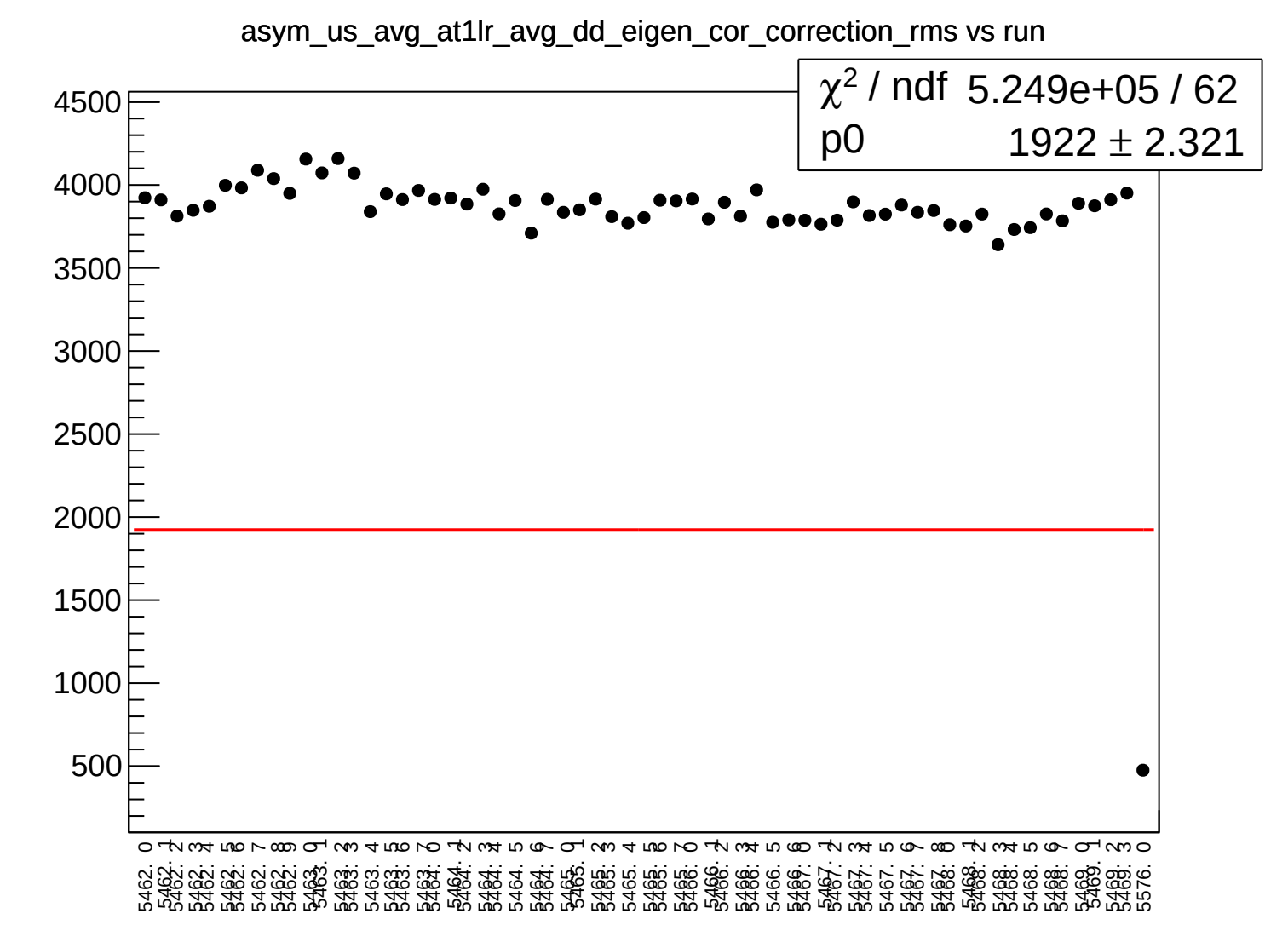

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 68.88 / 62
p0 2588 ± 2360
pull
Entries 63
Mean 148.9
Std Dev 0

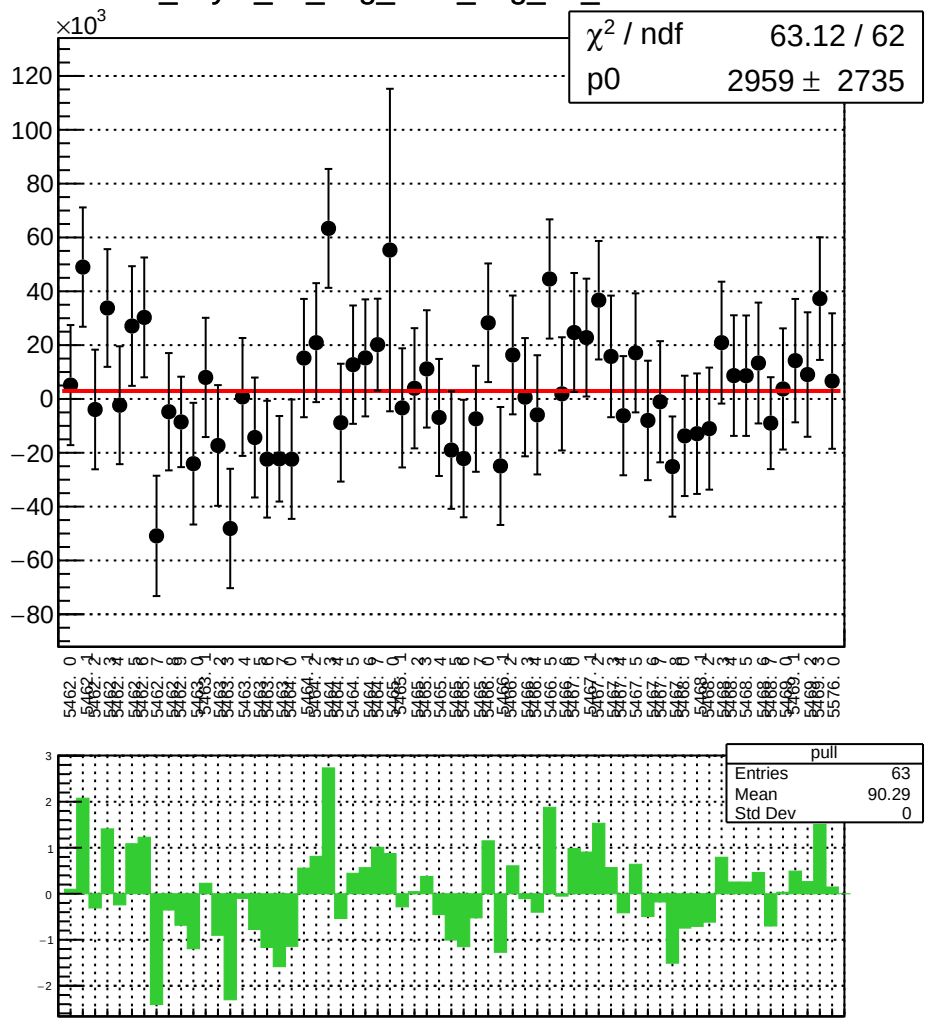

pull1D
Entries 63
Mean 0.02819
Std Dev 1.045

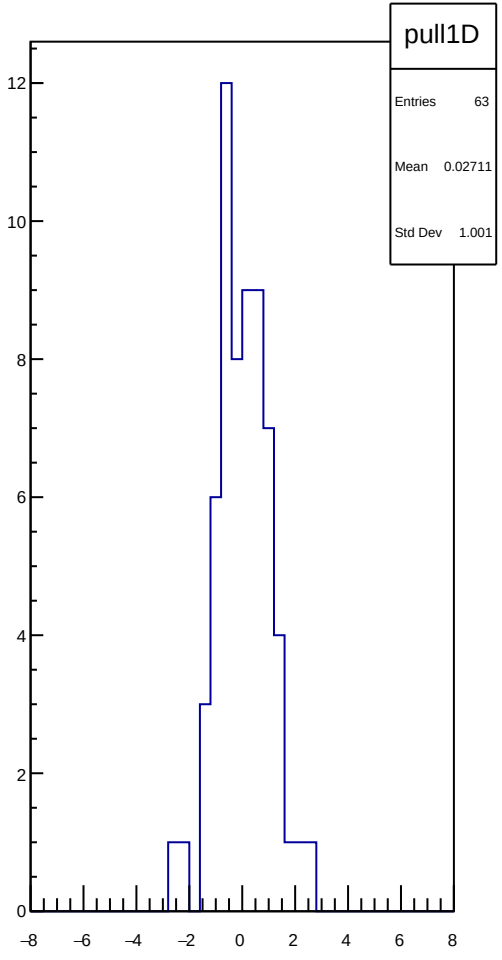

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 9079 / 62
p0 1829 ± 1.669
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

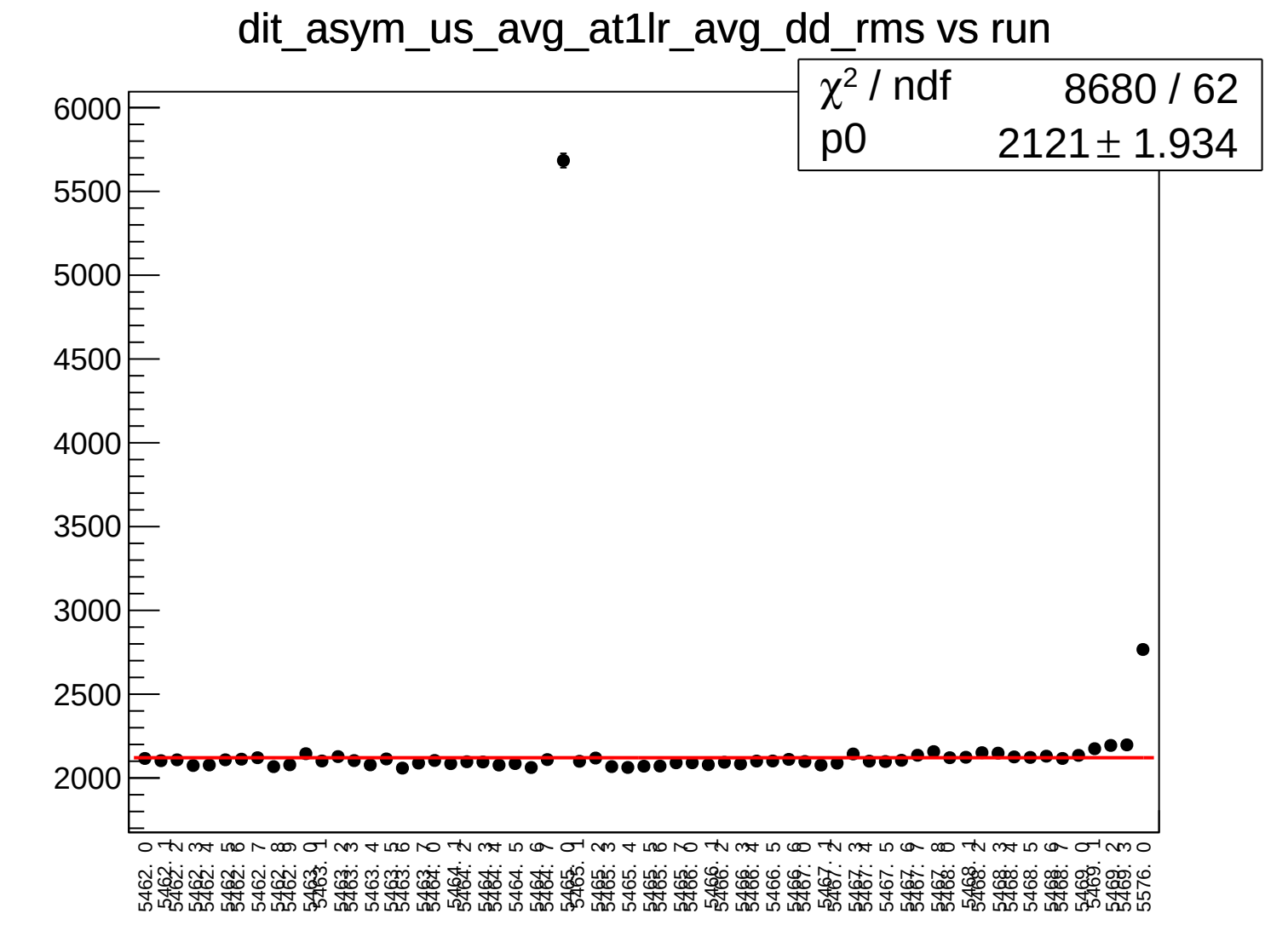

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.95 / 62
p0 −3039 ± 3282
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 218.1
Std Dev 0
2
1
0
−1
−2

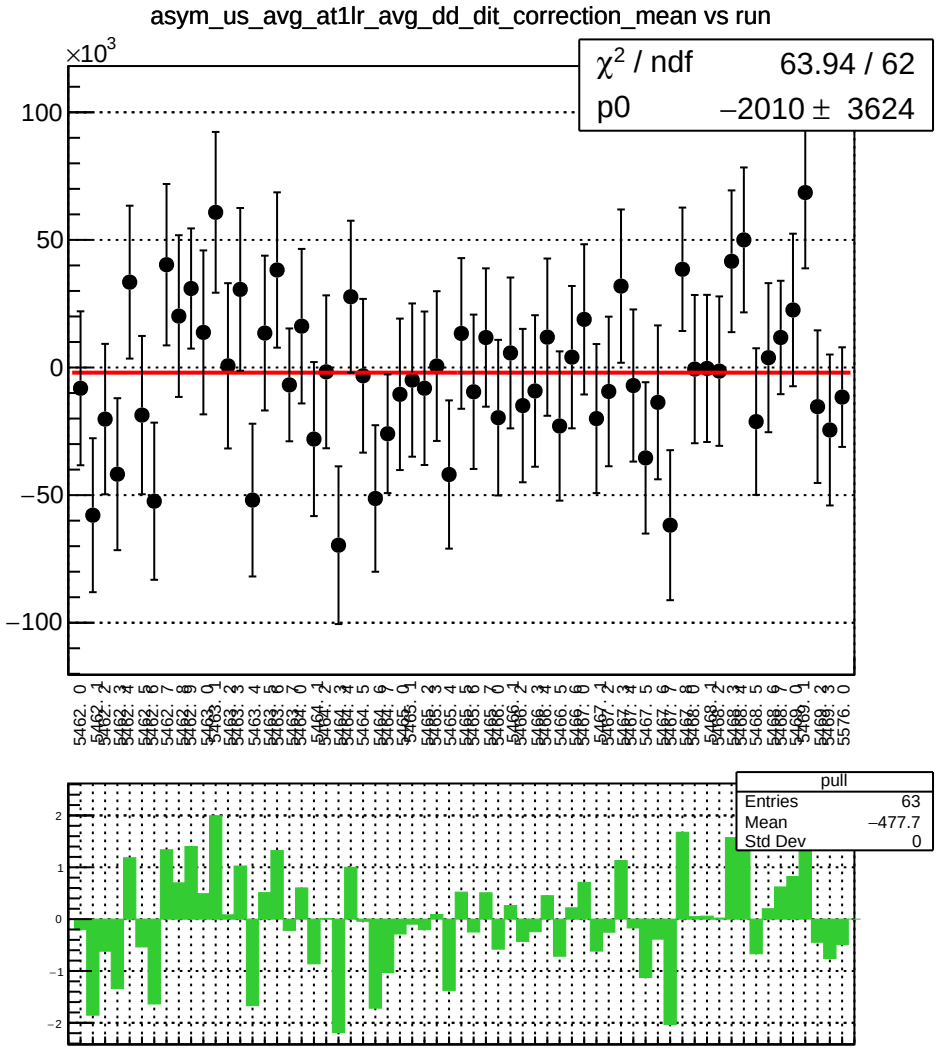

pull1D
Entries 63
Mean 0.012
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

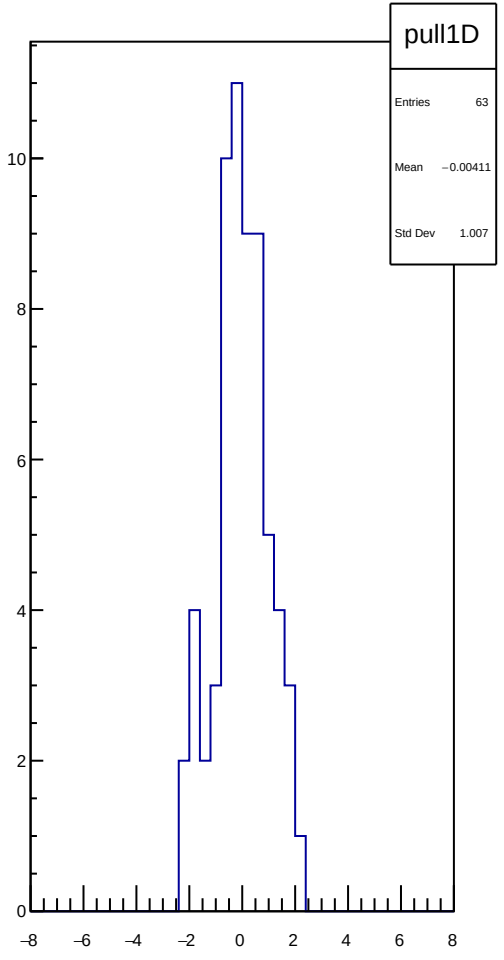

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.249e+05 / 62
p0 1922 ± 2.321
4500
4000
3500
3000
2500
2000
1500
1000
500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

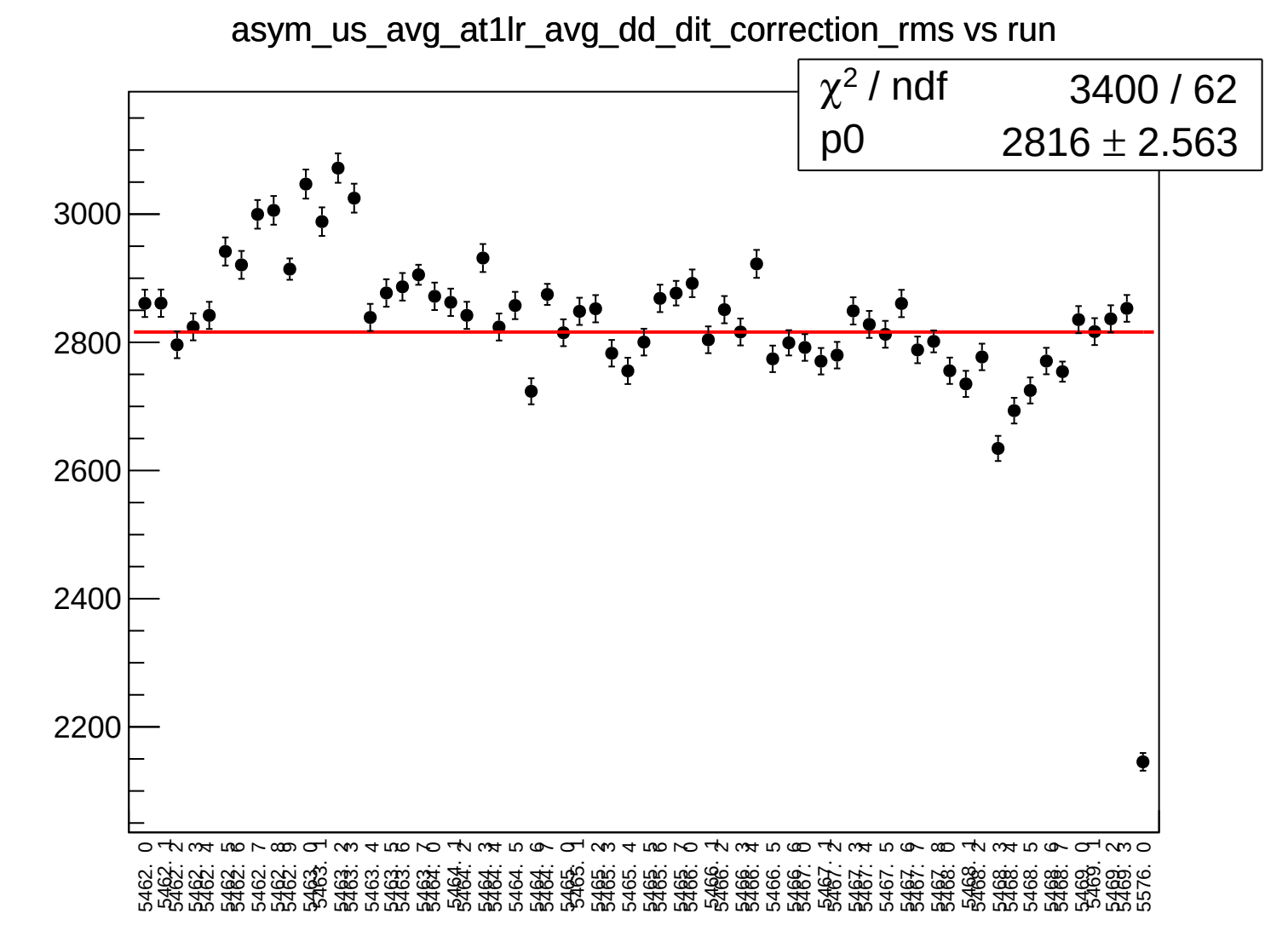

dit_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 63.12 / 62
p0 2959 ± 2735
pull
Entries 63
Mean 90.29
Std Dev 0

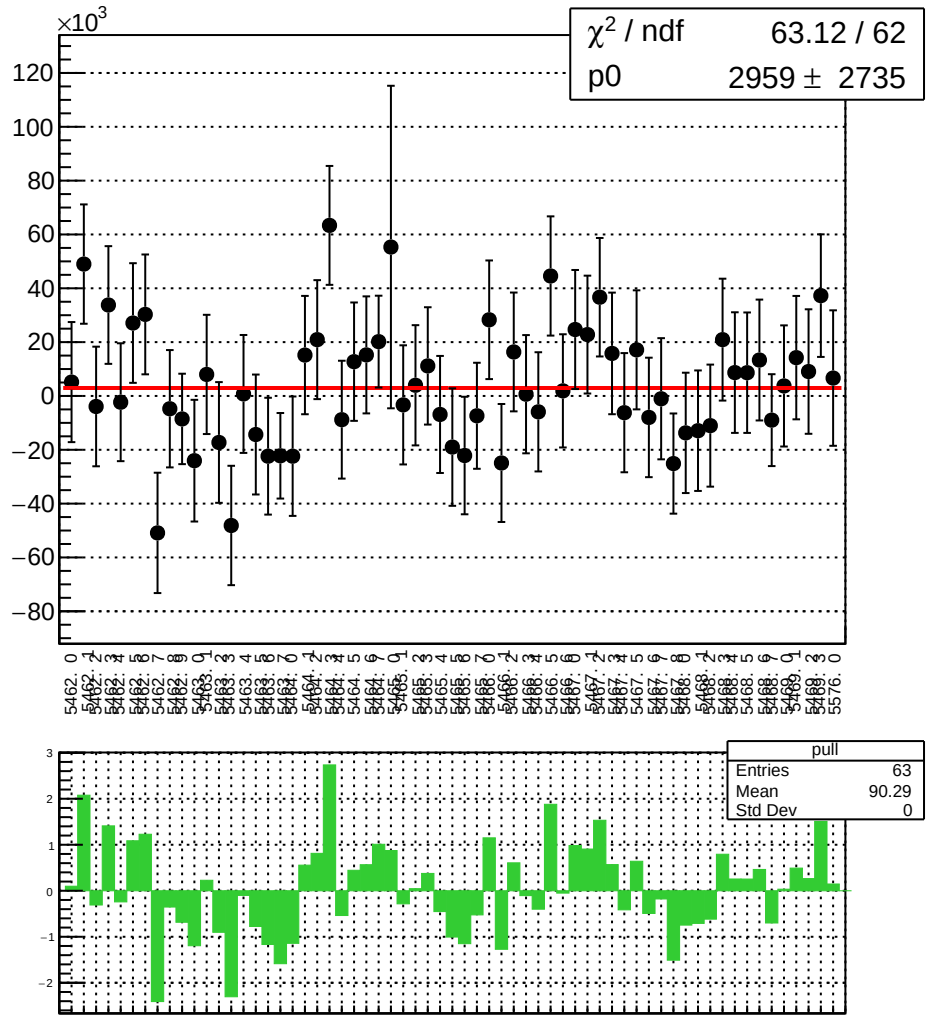

pull1D
Entries 63
Mean 0.02711
Std Dev 1.001

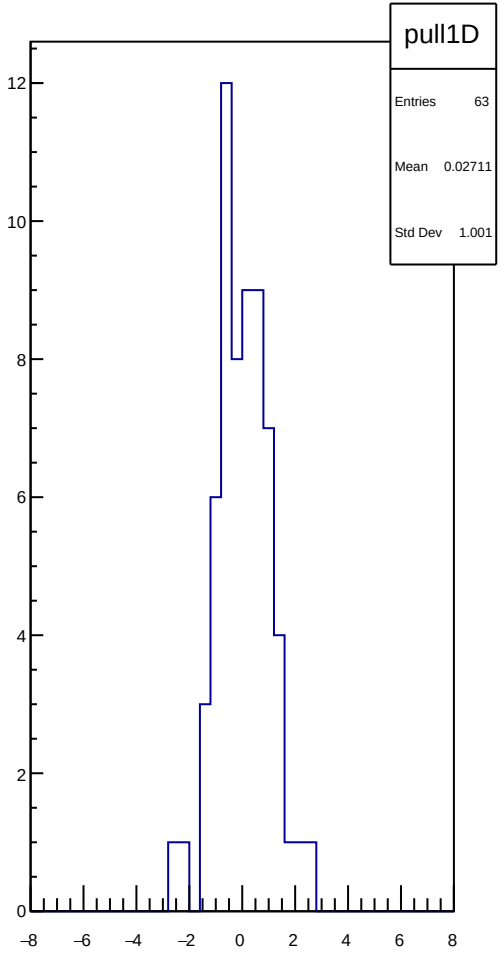

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 8680 / 62
p0 2121 ± 1.934
6000
5500
5000
4500
4000
3500
3000
2500
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

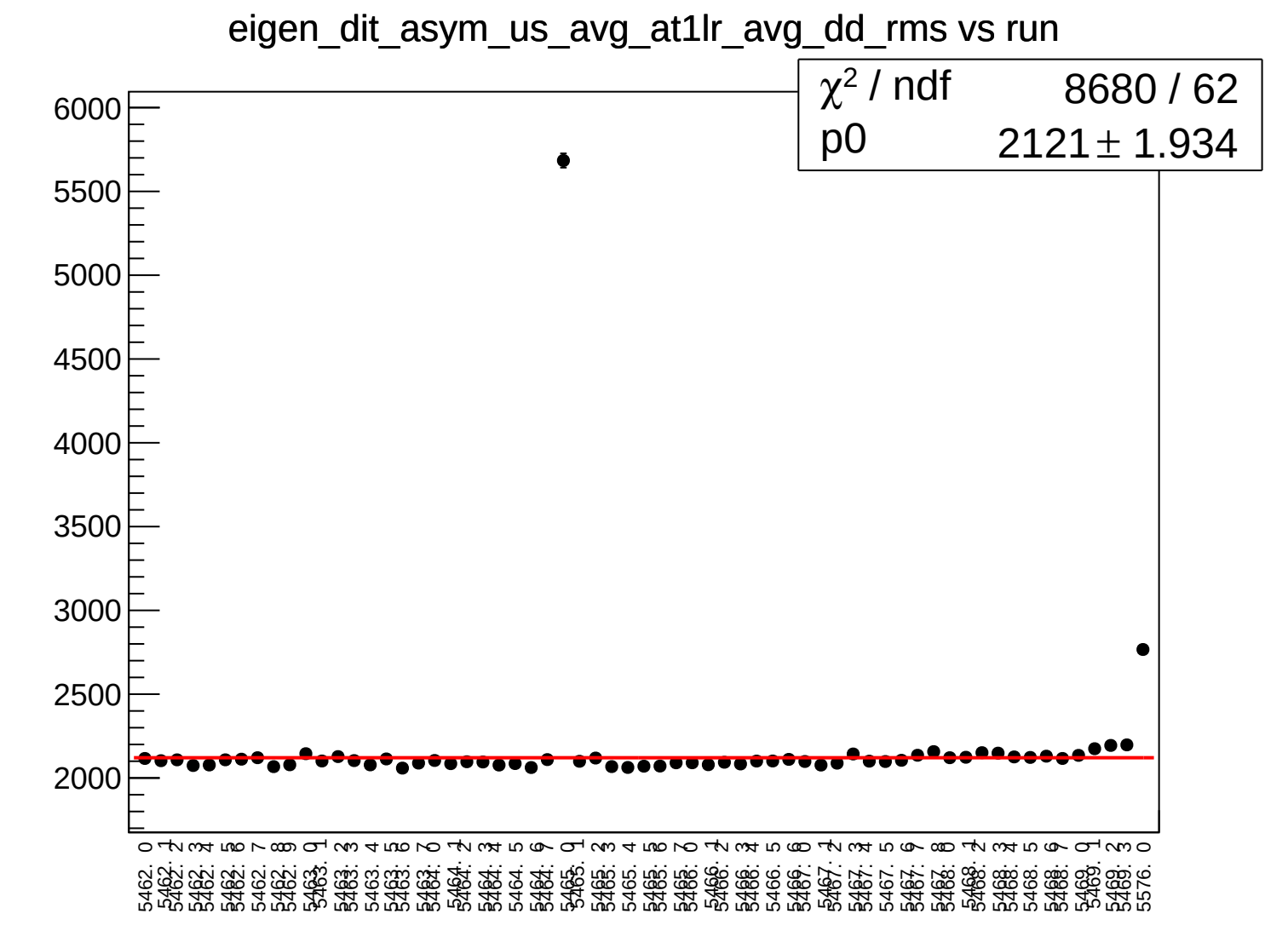

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 63.94 / 62
p0 −2010 ± 3624
pull
Entries 63
Mean −477.7
Std Dev 0

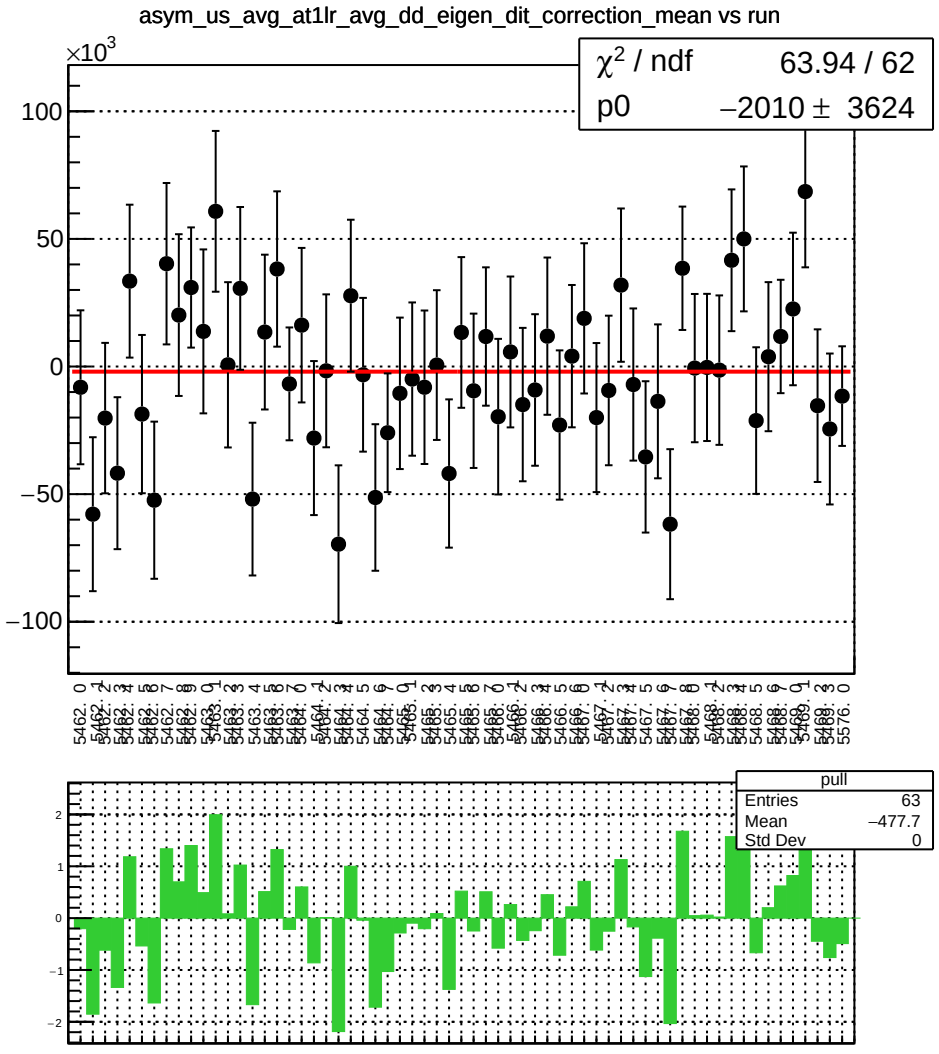

pull1D
Entries 63
Mean −0.00411
Std Dev 1.007

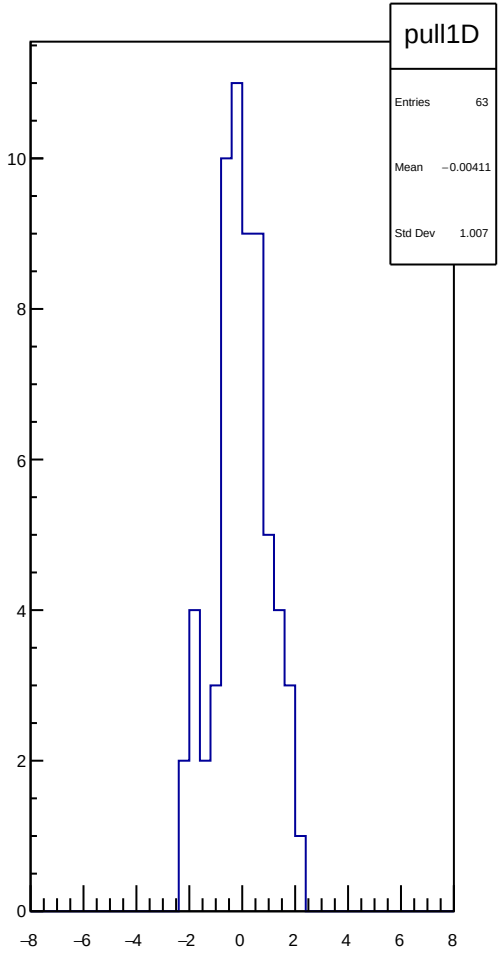

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 3400 / 62
p0 2816 ± 2.563
3000
2800
2600
2400
2200

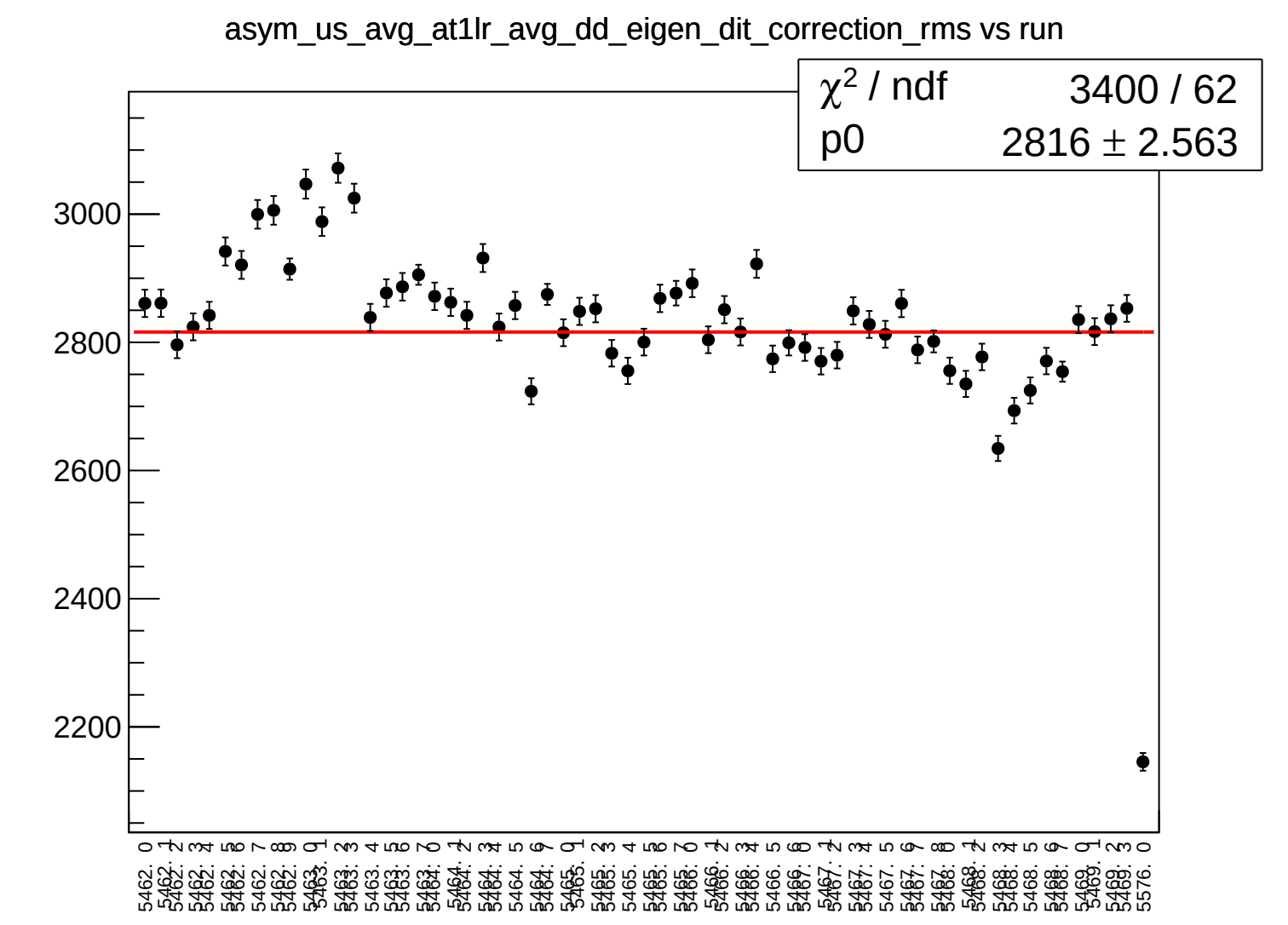

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 63.12 / 62
p0 2959 ± 2735
pull
Entries 63
Mean 90.29
Std Dev 0

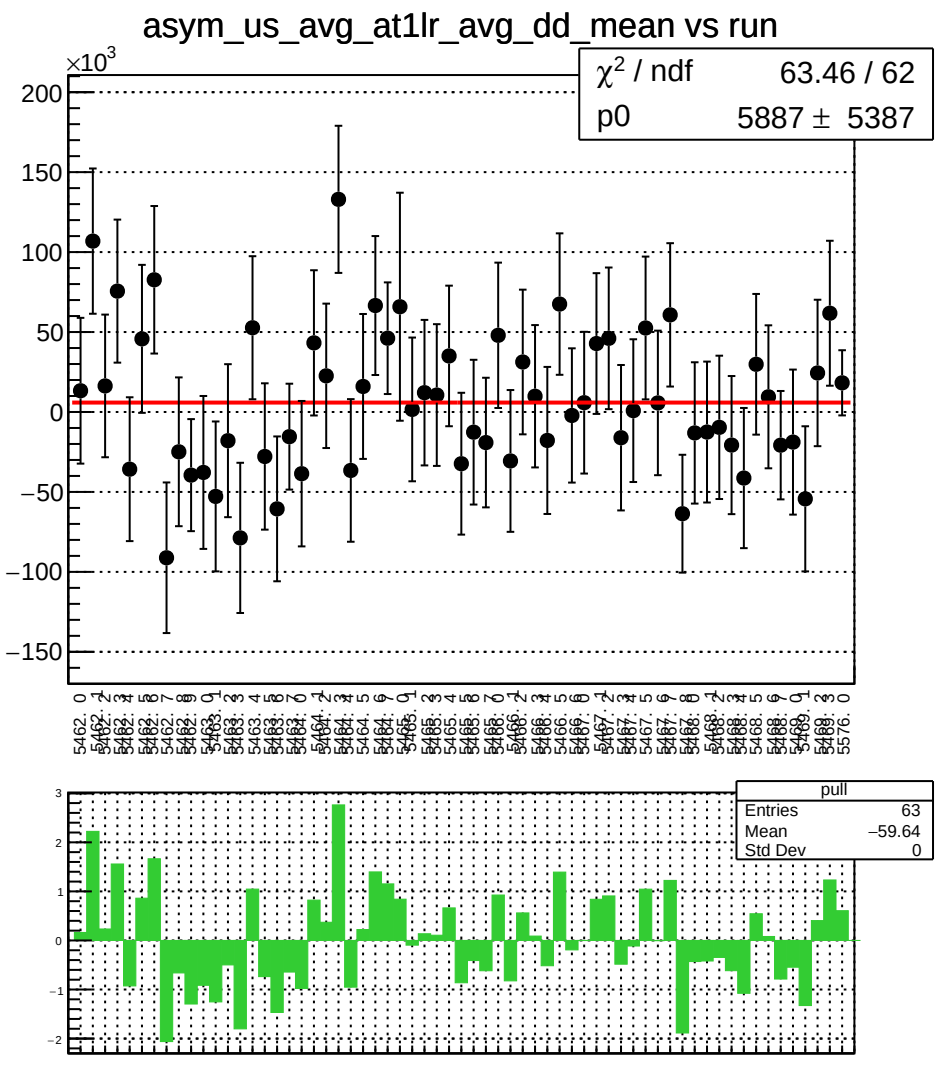

pull1D
Entries 63
Mean 0.02711
Std Dev 1.001

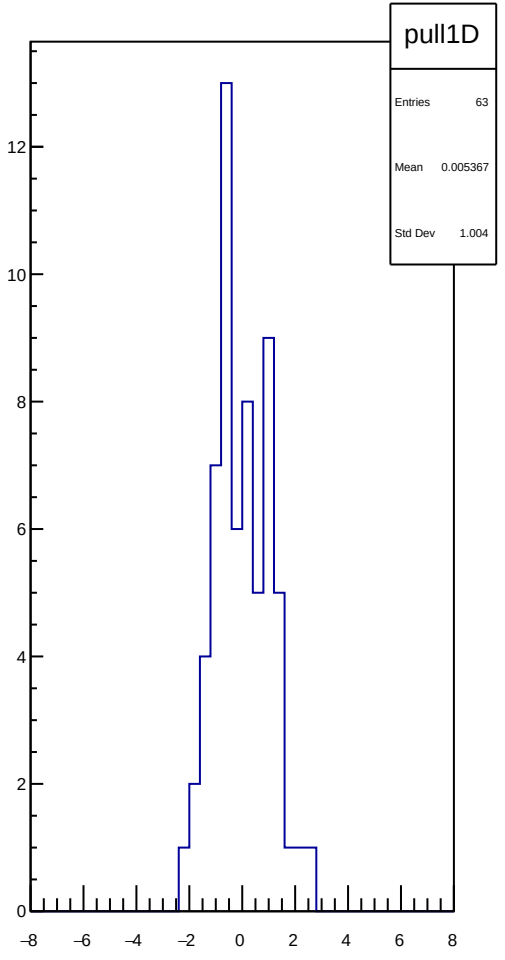

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 8680 / 62
p0 2121 ± 1.934
6000
5500
5000
4500
4000
3500
3000
2500
2000

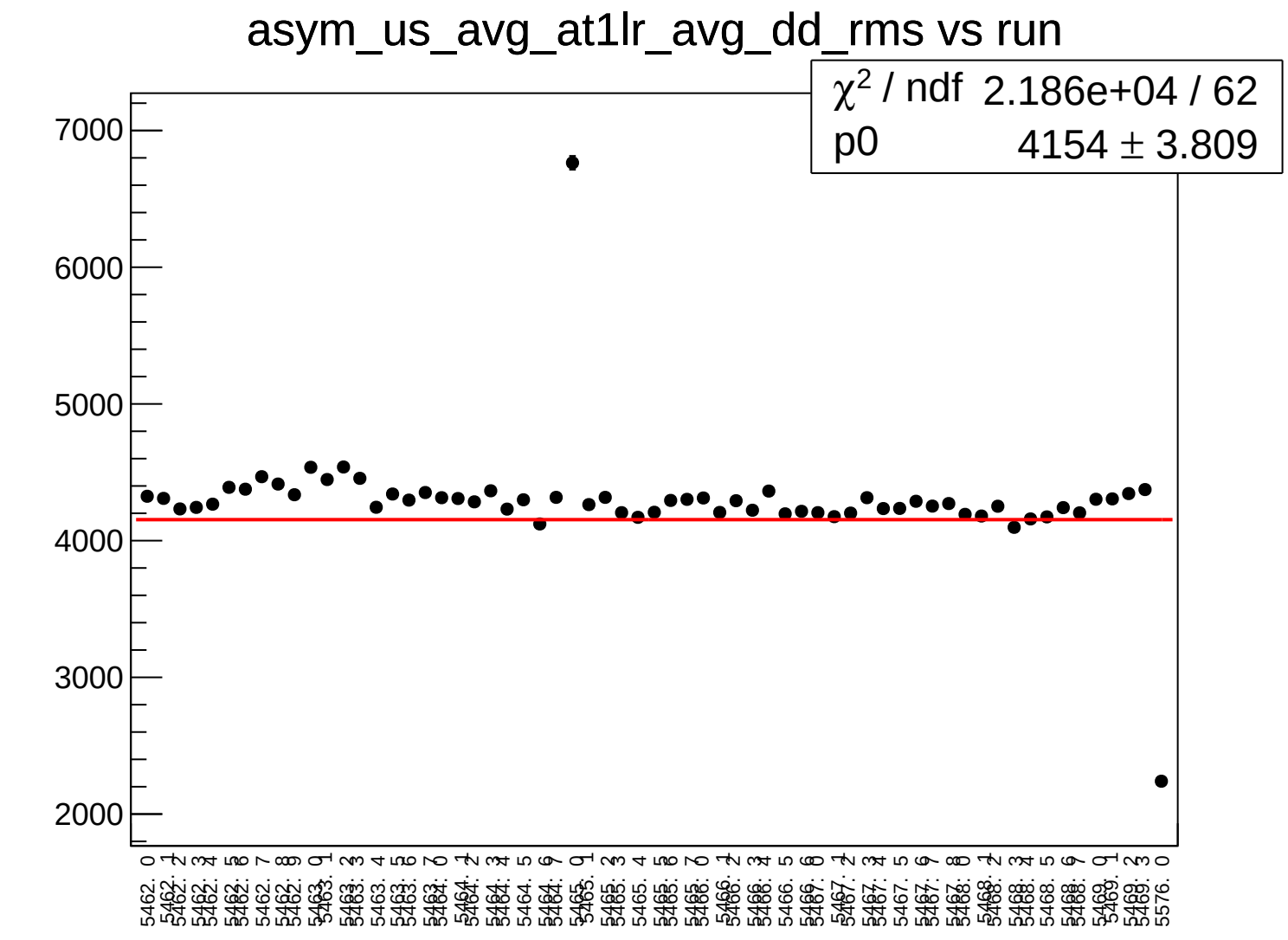

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 63.94 / 62
p0 −2010 ± 3624
pull
Entries 63
Mean −477.7
Std Dev 0


pull1D
Entries 63
Mean −0.00411
Std Dev 1.007


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3400 / 62
p0 2816 ± 2.563
3000
2800
2600
2400
2200


asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 63.46 / 62
p0 5887 ± 5387
pull
Entries 63
Mean −59.64
Std Dev 0


pull1D
Entries 63
Mean 0.005367
Std Dev 1.004


asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 2.186e+04 / 62
p0 4154 ± 3.809
7000
6000
5000
4000
3000
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
5466. 0
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5466. 2
5466. 3
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5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
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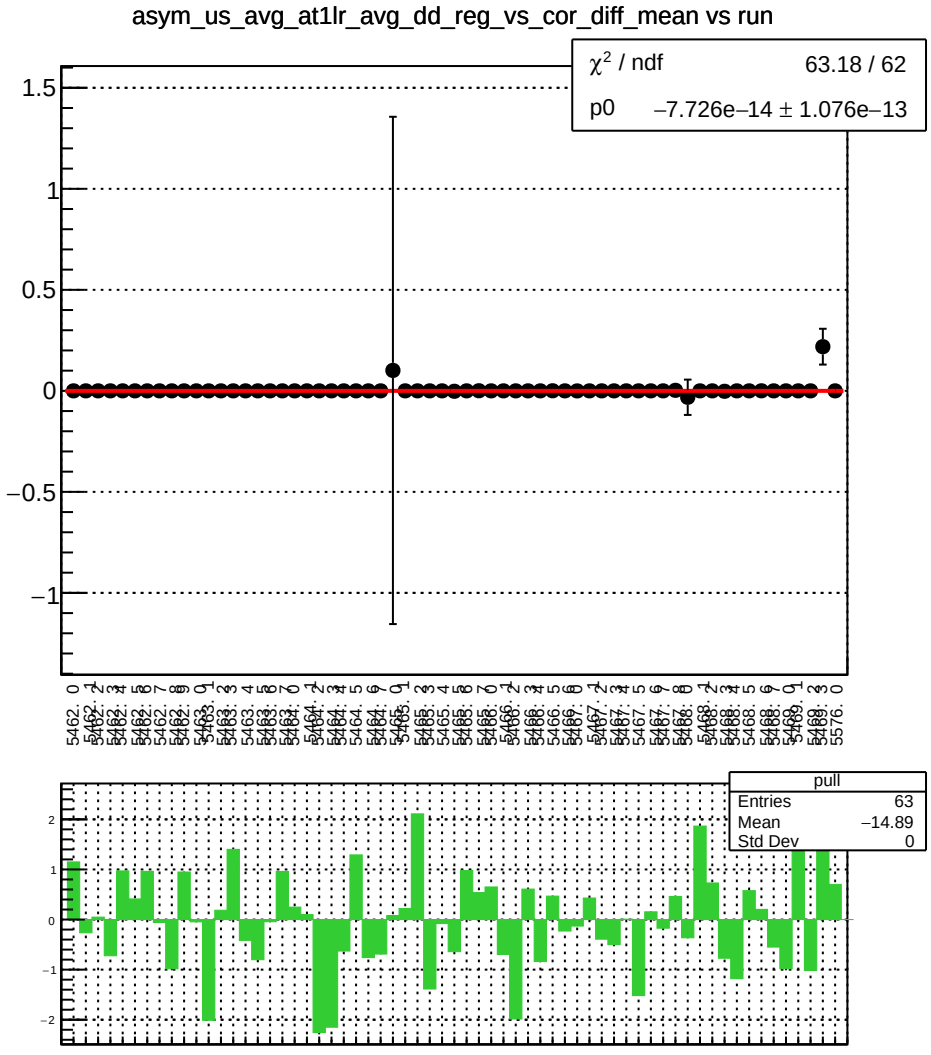
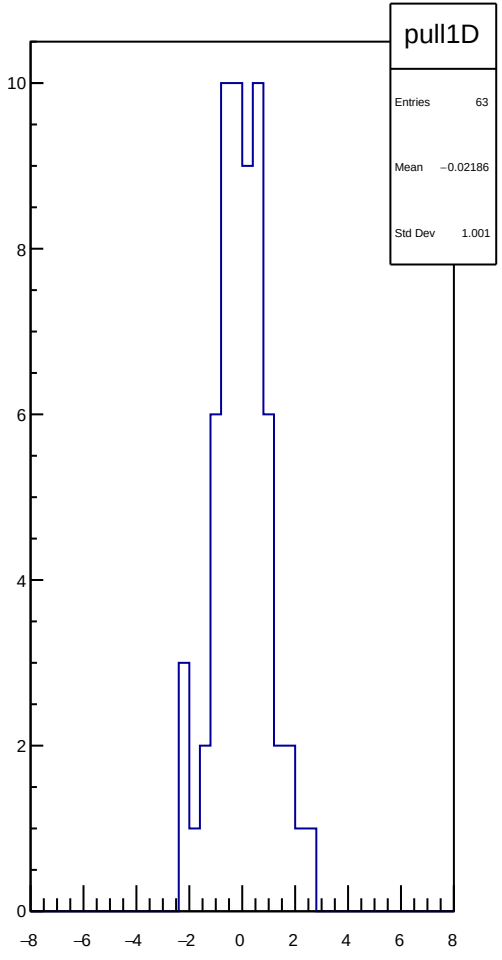
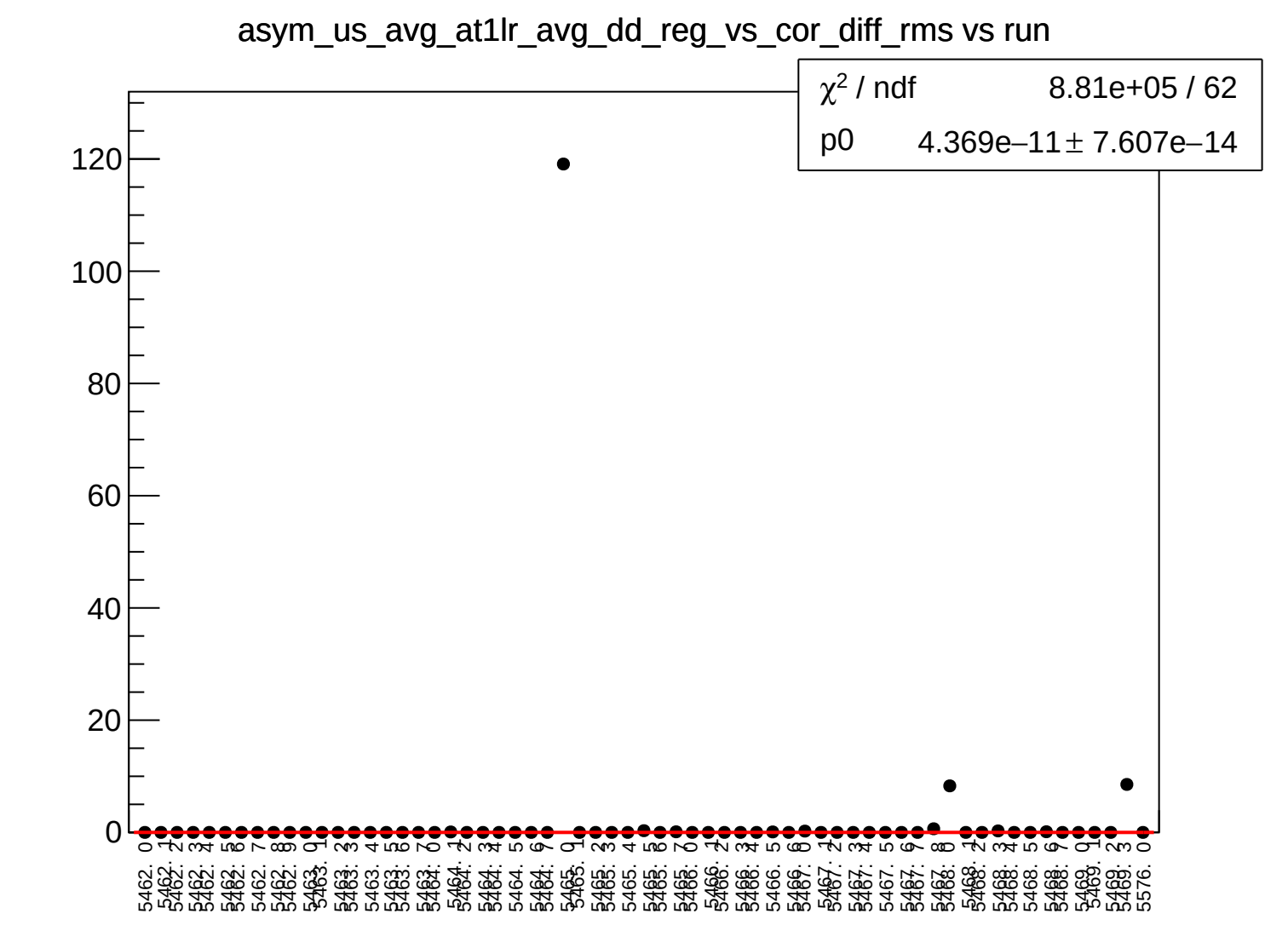
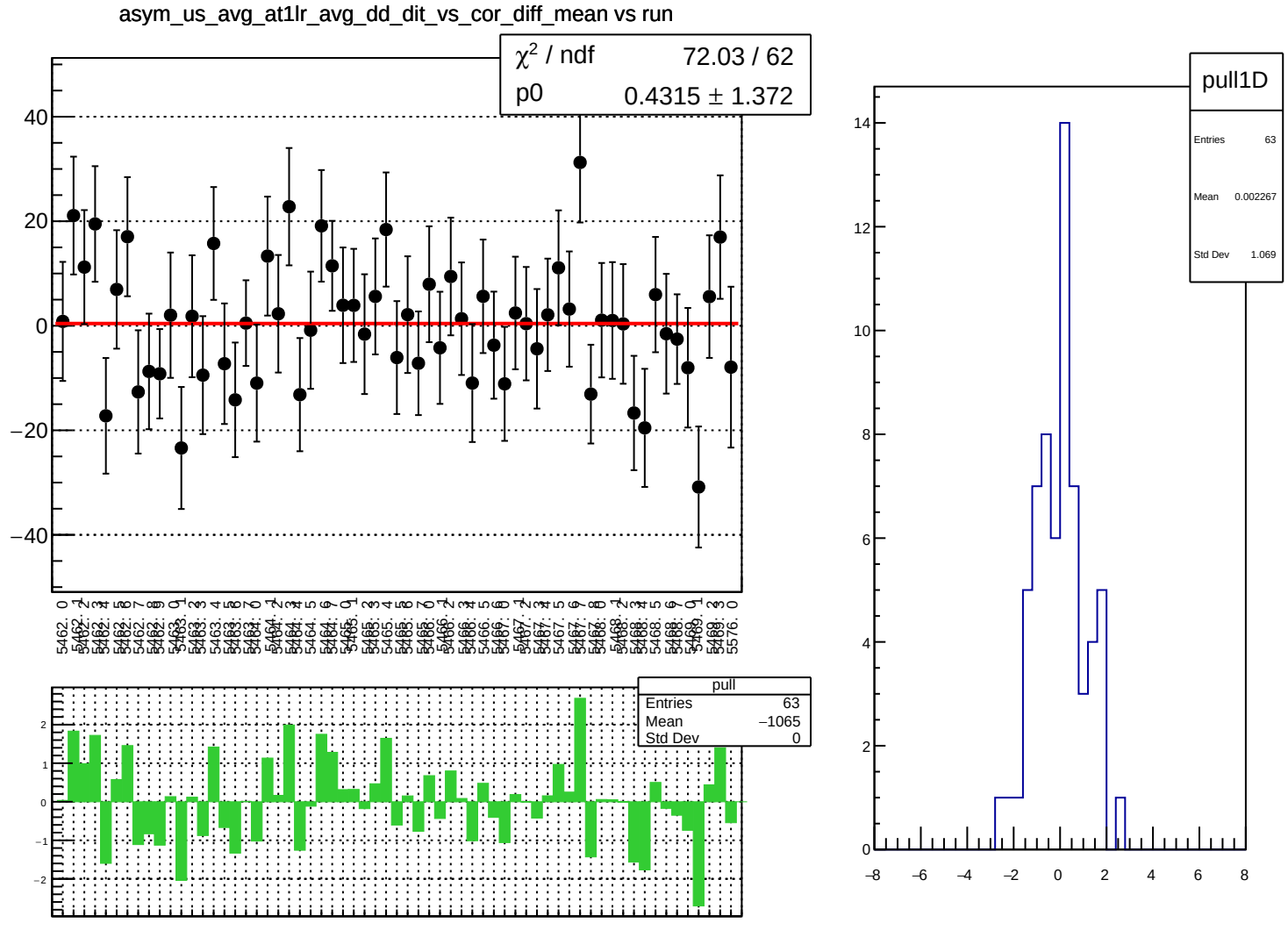
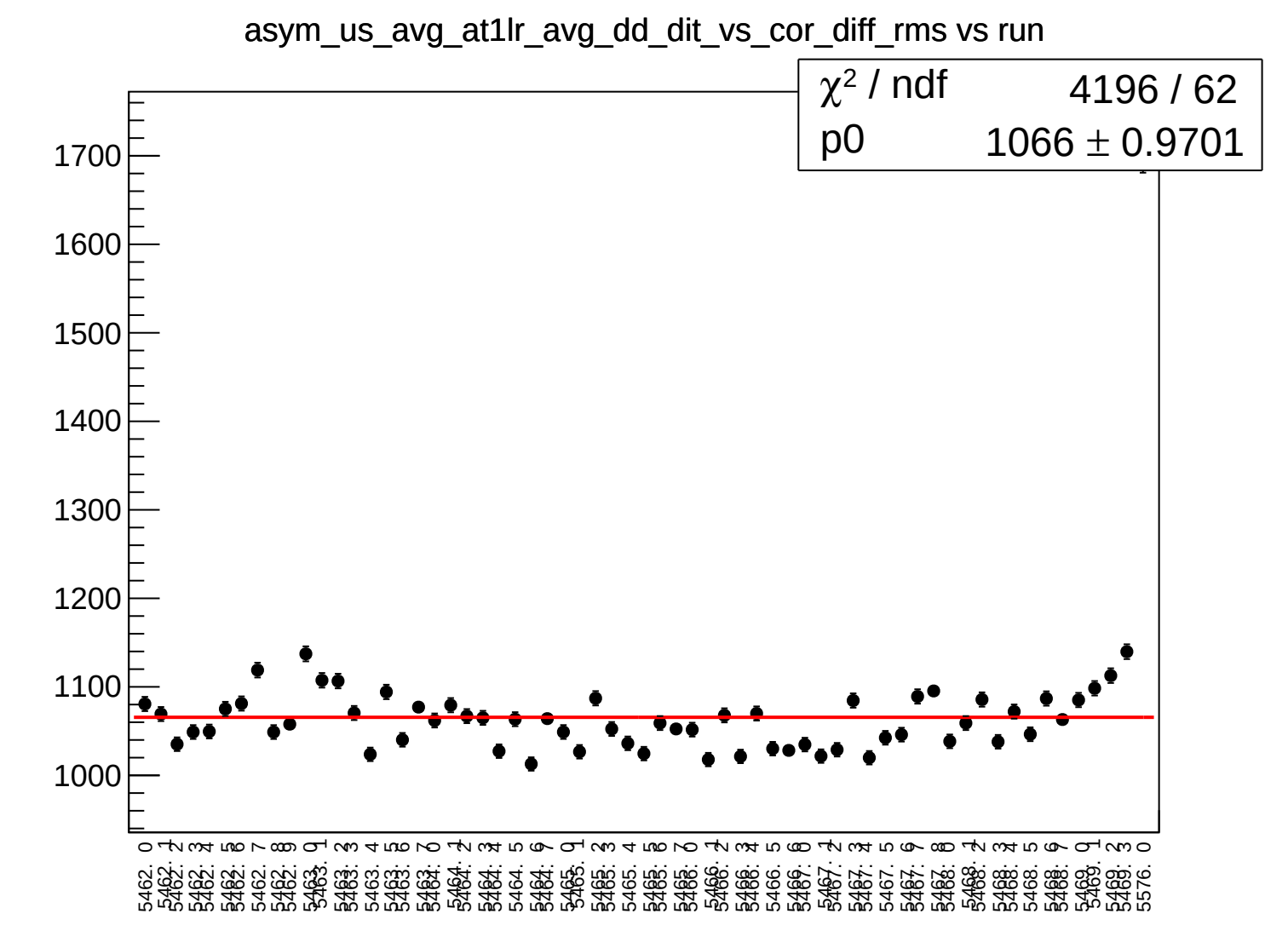
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

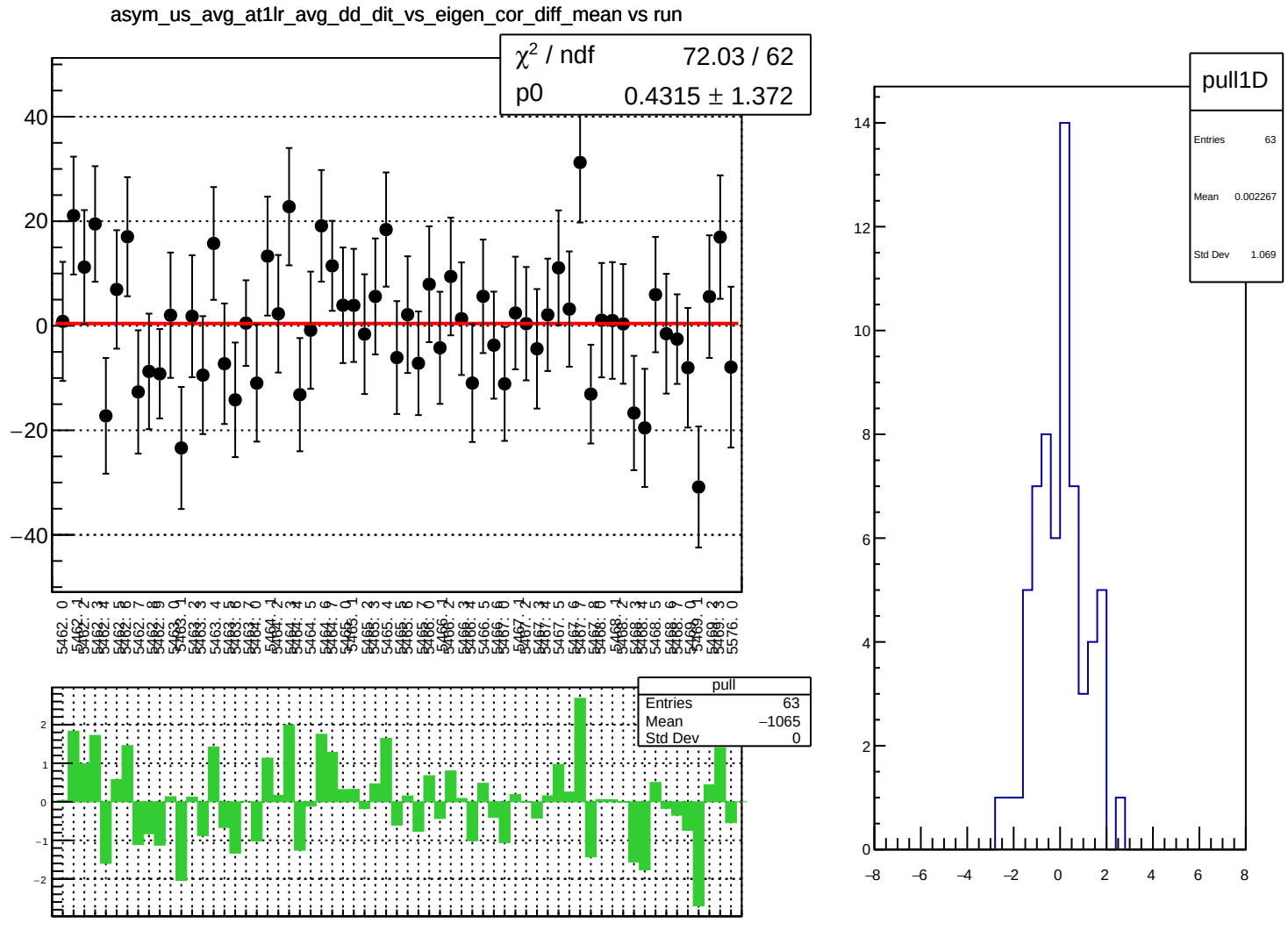

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.18 / 62
p0 −7.726e−14 ± 1.076e−13
pull
Entries 63
Mean −14.89
Std Dev 0

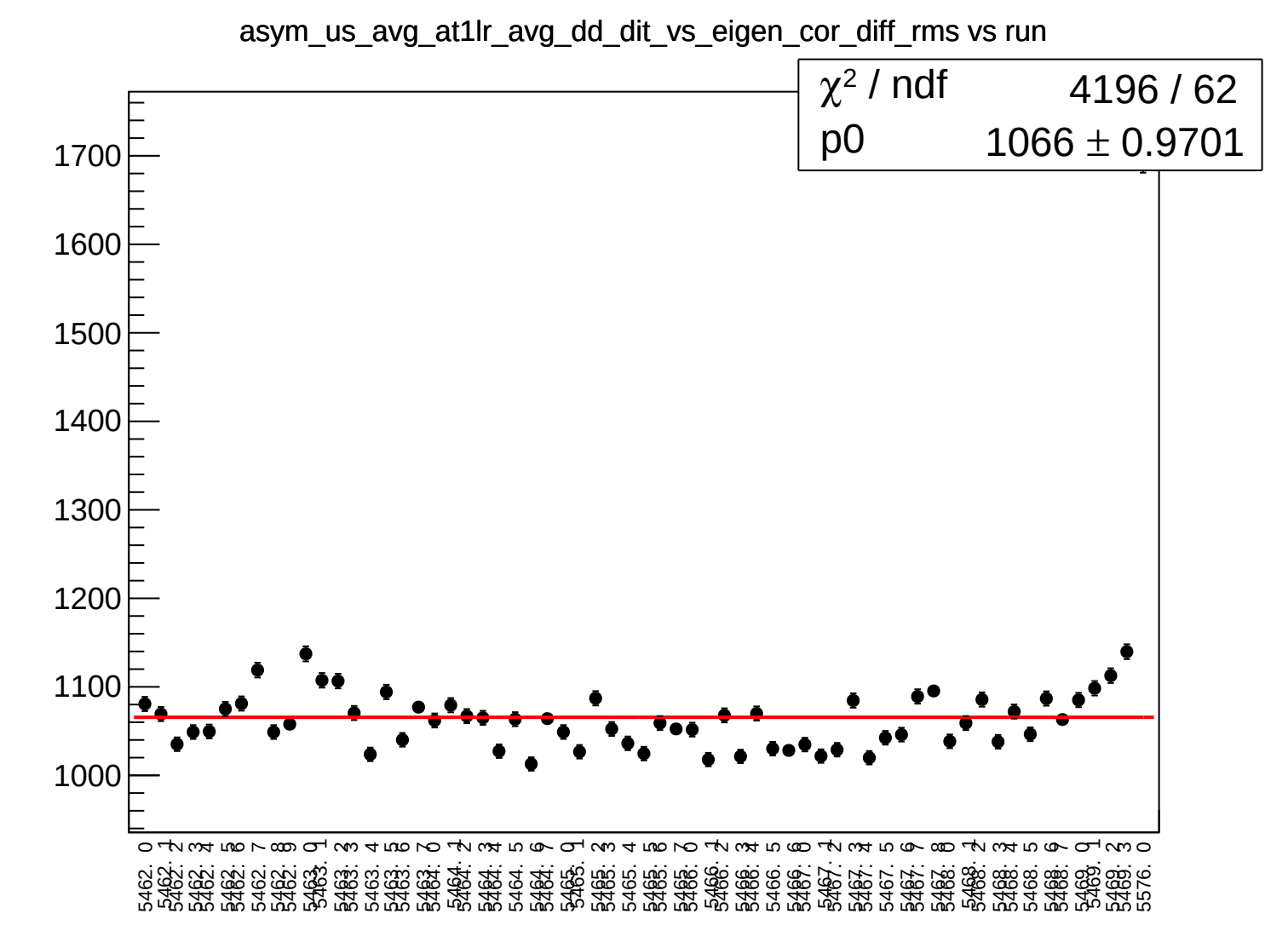

pull1D
Entries 63
Mean −0.02186
Std Dev 1.001

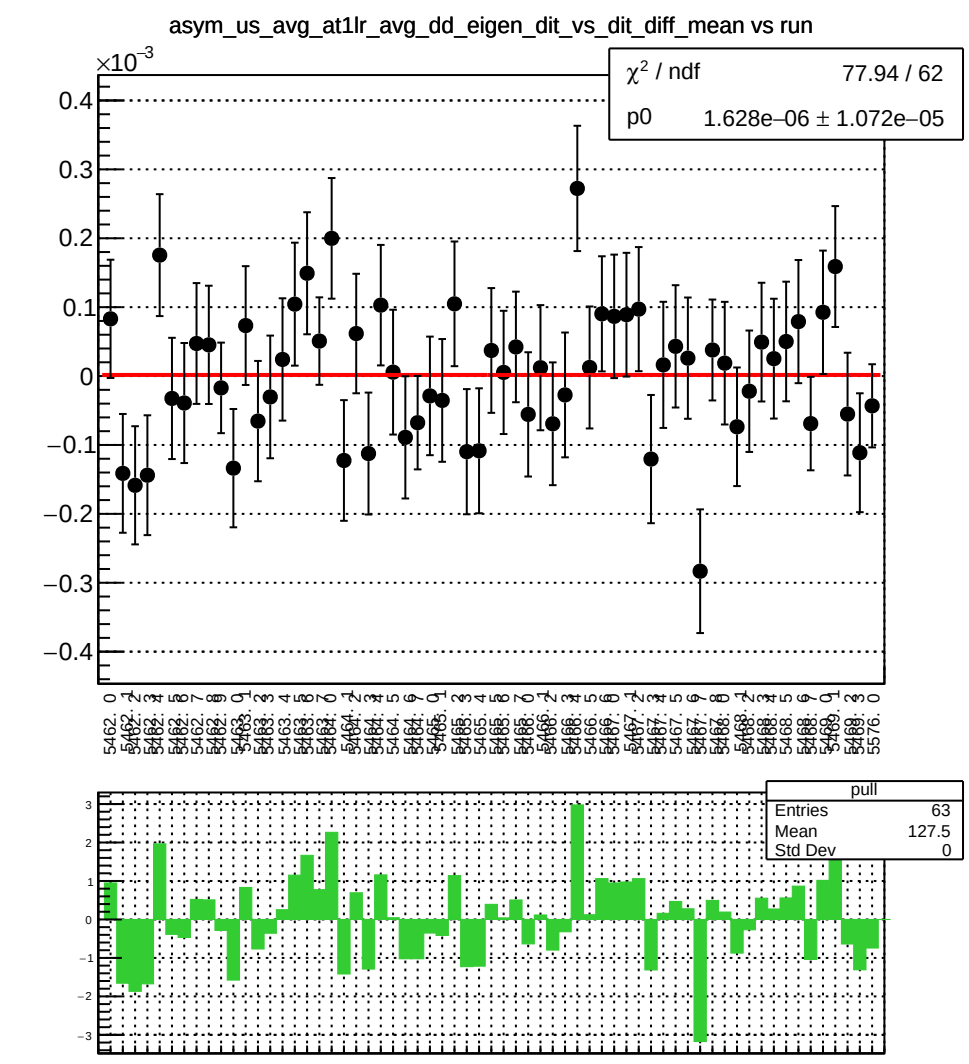

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.81e+05 / 62
p0 4.369e−11 ± 7.607e−14
120
100
80
60
40
20
0

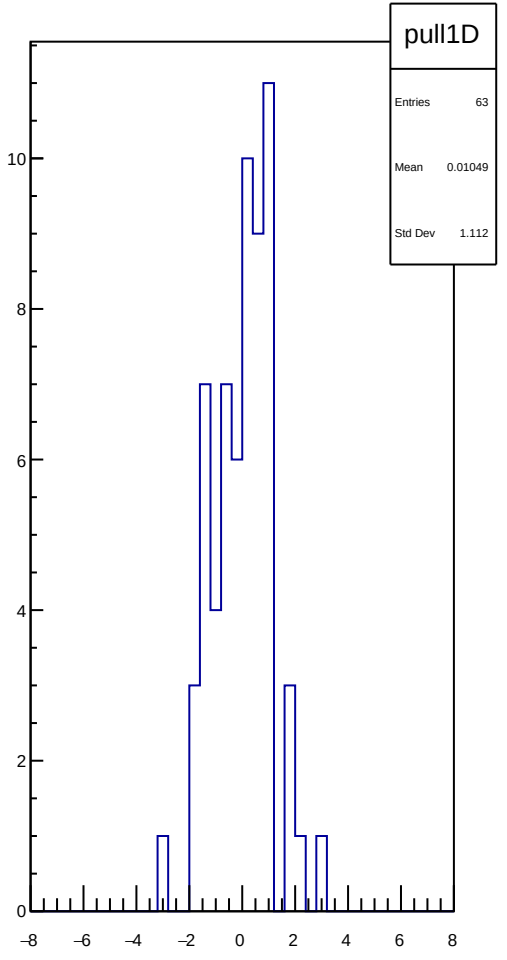

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.03 / 62
p0 0.4315 ± 1.372
pull
Entries 63
Mean −1065
Std Dev 0
pull1D
Entries 63
Mean 0.002267
Std Dev 1.069

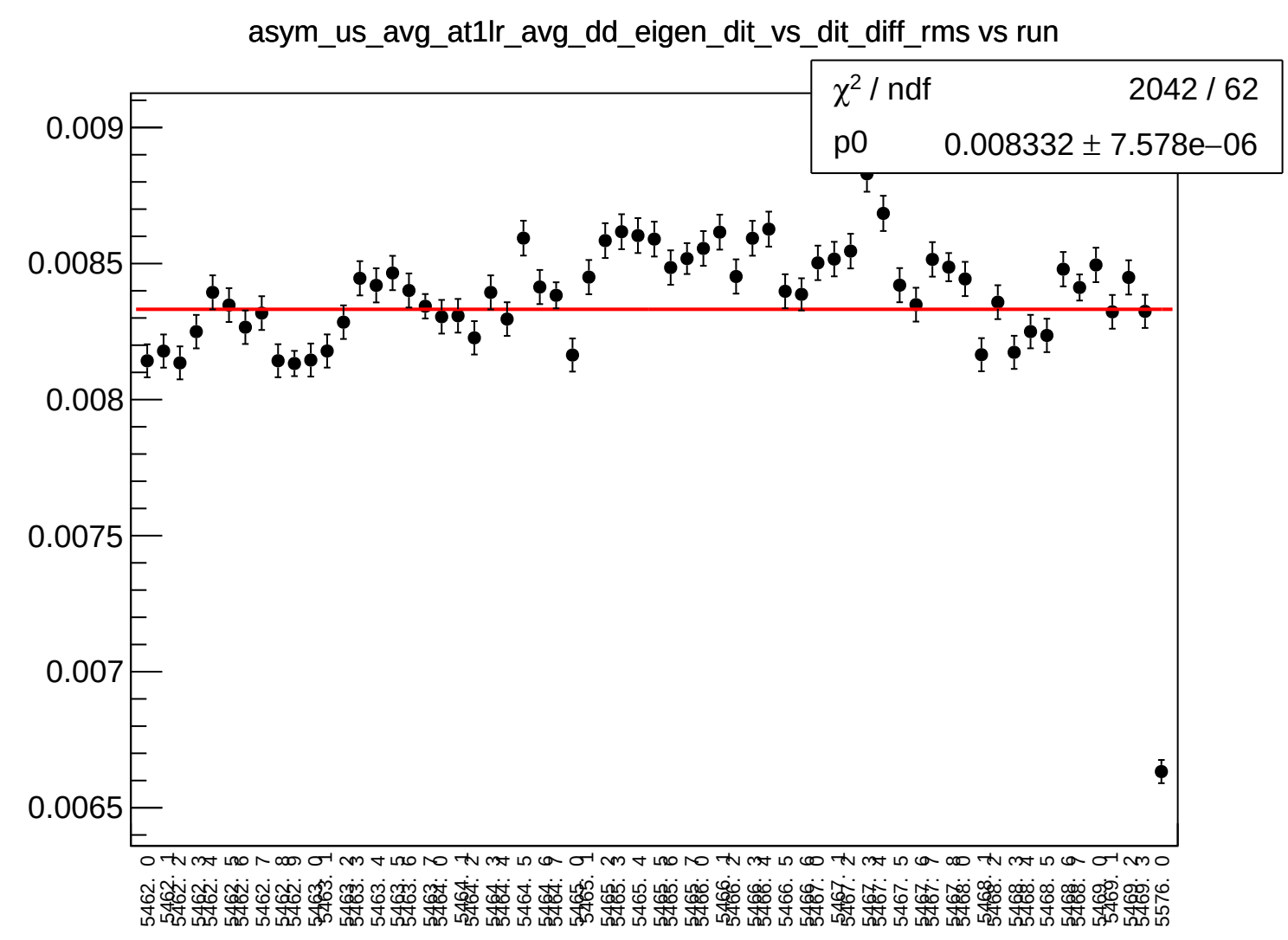

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4196 / 62
p0 1066 ± 0.9701
1700
1600
1500
1400
1300
1200
1100
1000


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.03 / 62
p0 0.4315 ± 1.372
pull
Entries 63
Mean −1065
Std Dev 0
pull1D
Entries 63
Mean 0.002267
Std Dev 1.069


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4196 / 62
p0 1066 ± 0.9701
1700
1600
1500
1400
1300
1200
1100
1000


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.94 / 62
p0 1.628e−06 ± 1.072e−05
pull
Entries 63
Mean 127.5
Std Dev 0


pull1D
Entries 63
Mean 0.01049
Std Dev 1.112


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2042 / 62
p0 0.008332 ± 7.578e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
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5465. 2
5465. 3
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5466. 2
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5466. 6
5467. 0
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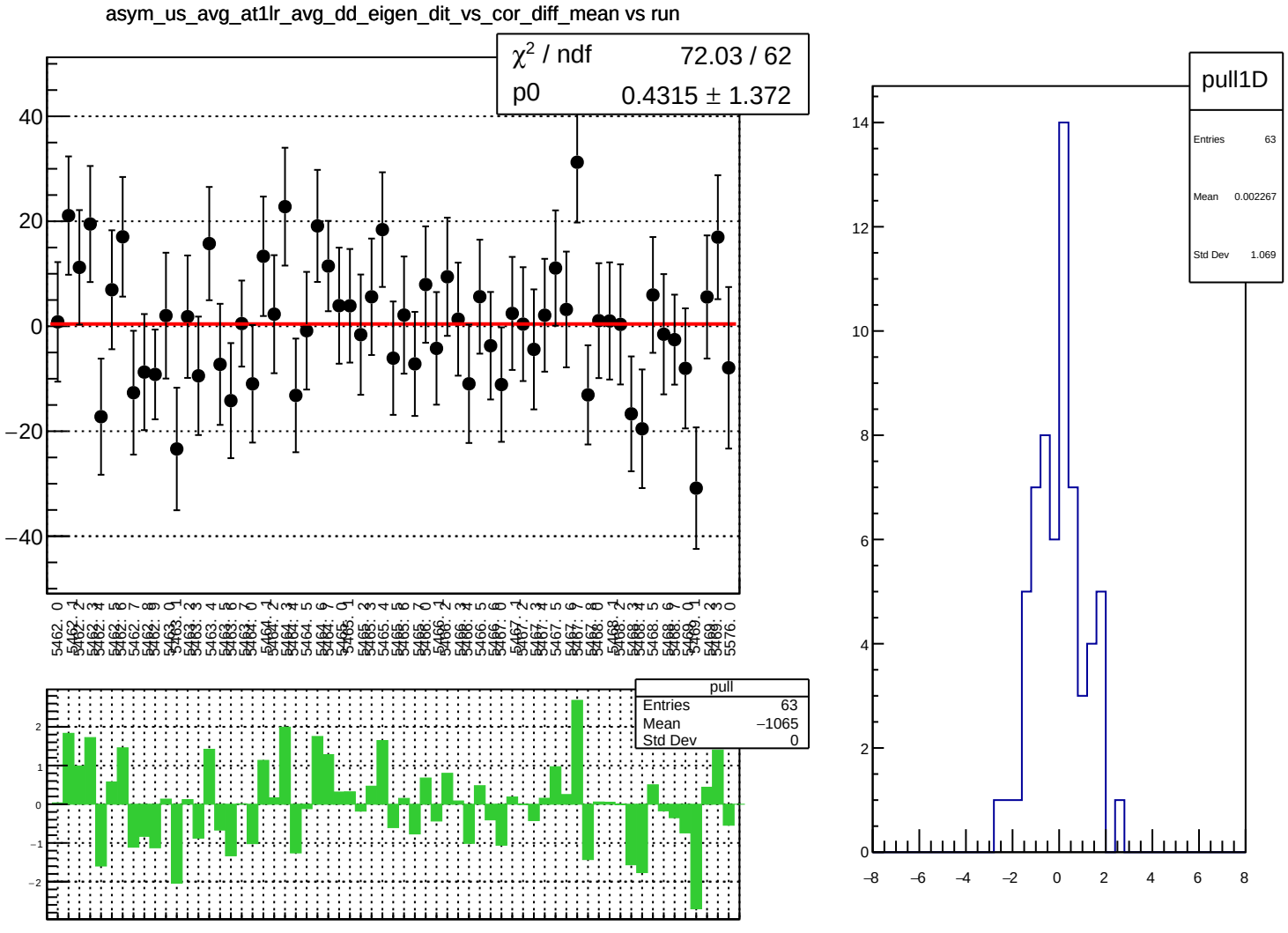
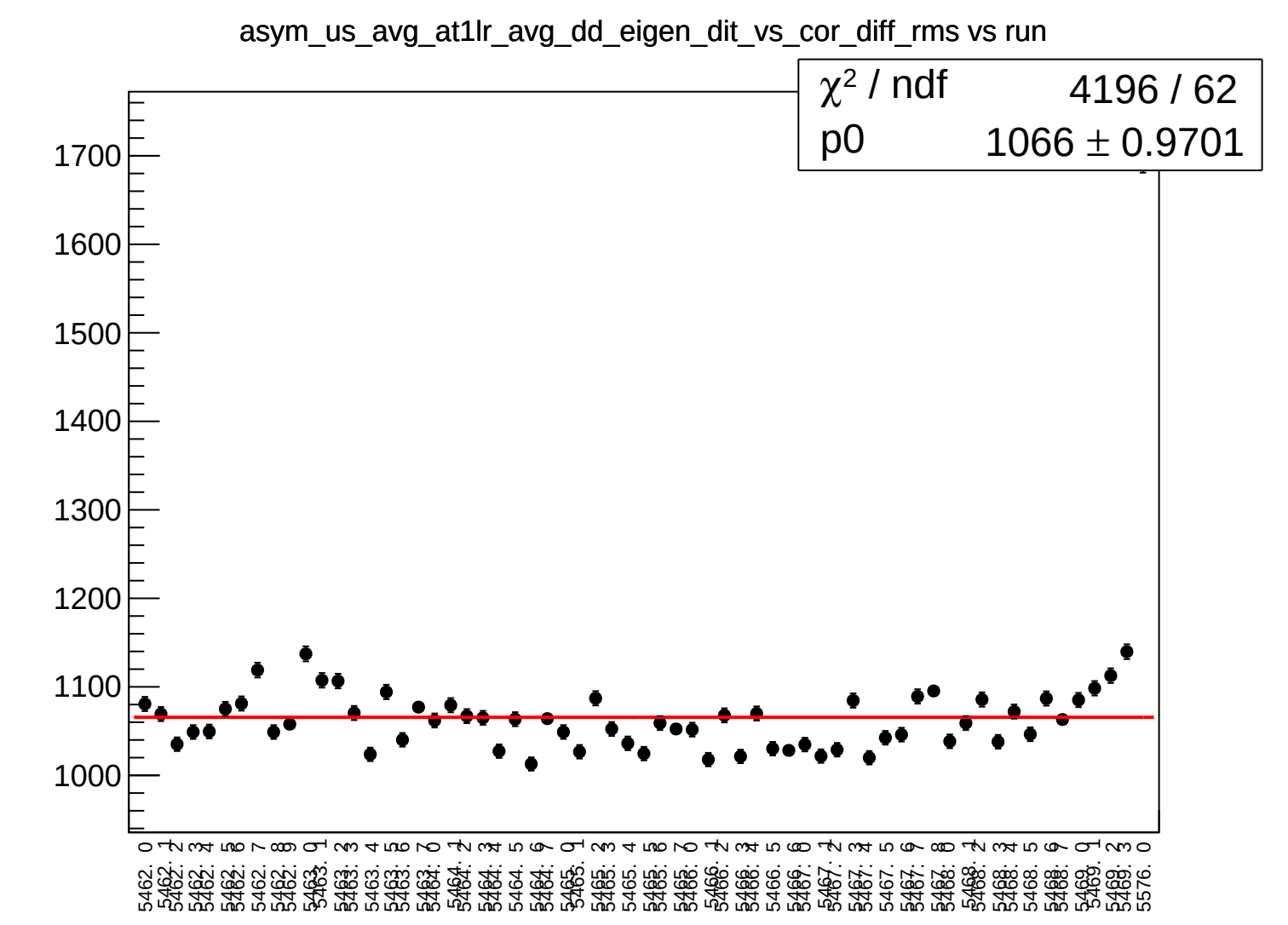
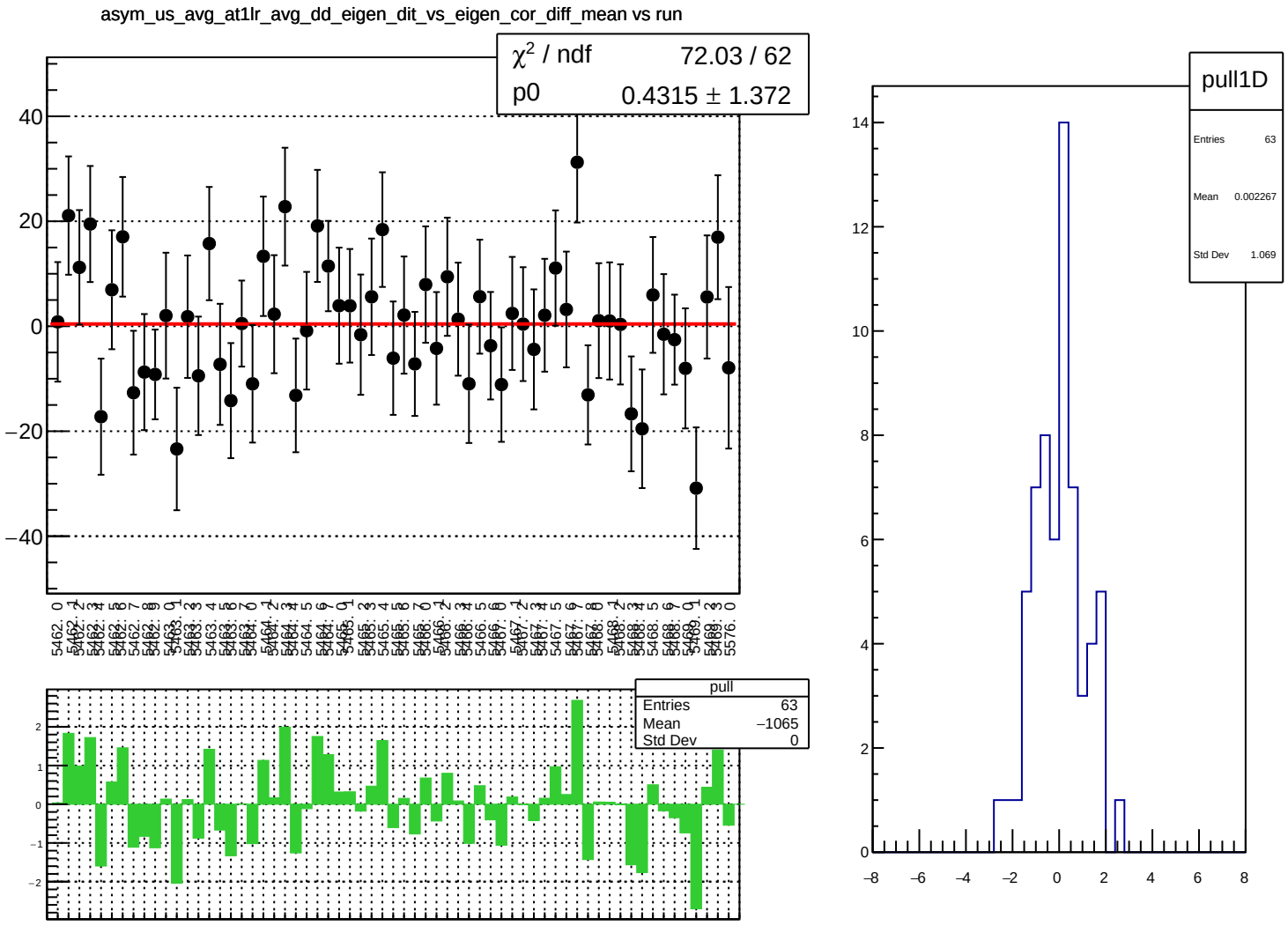
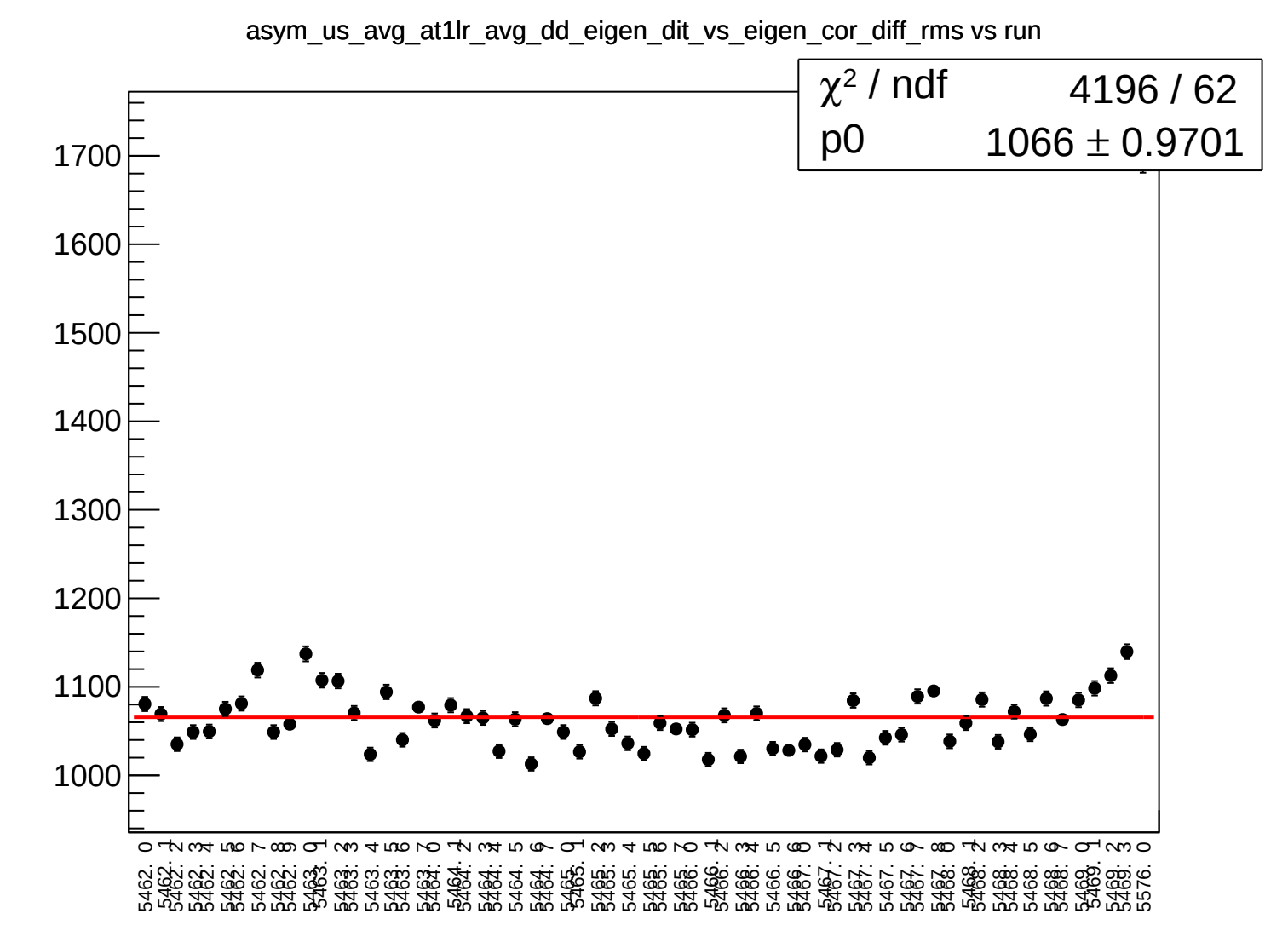
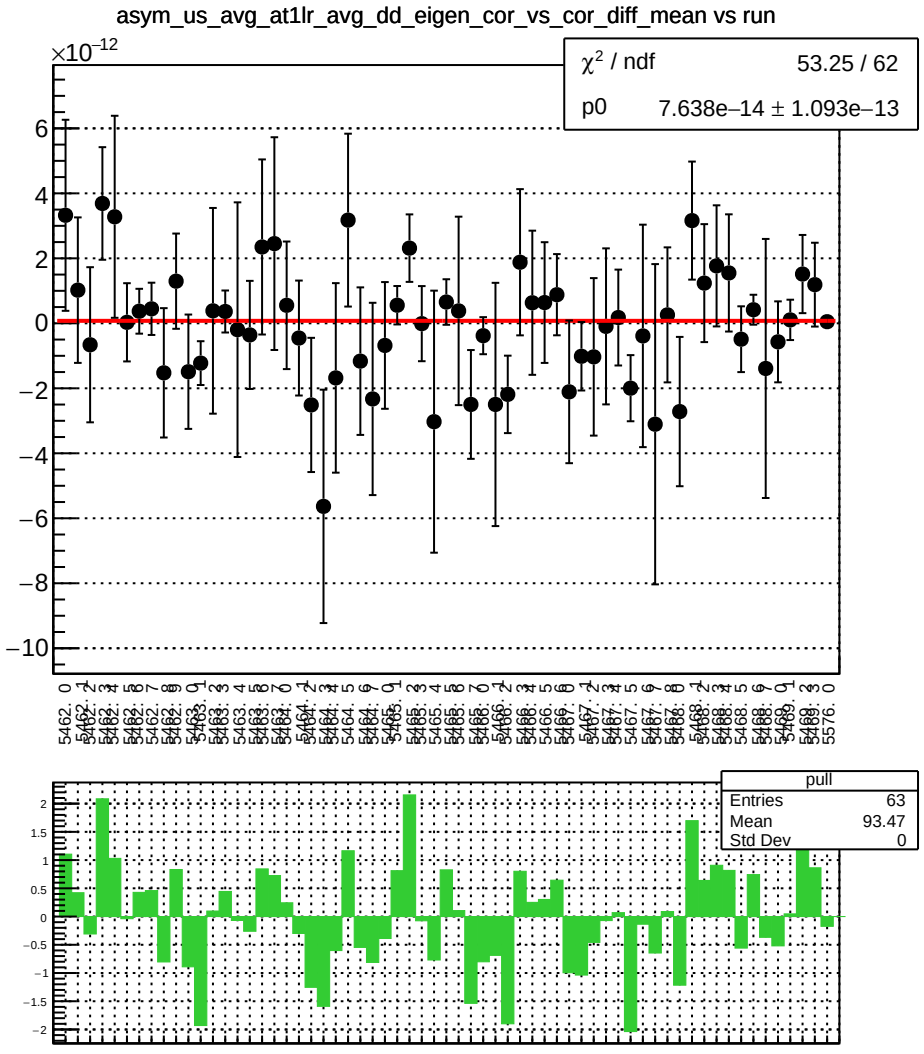
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

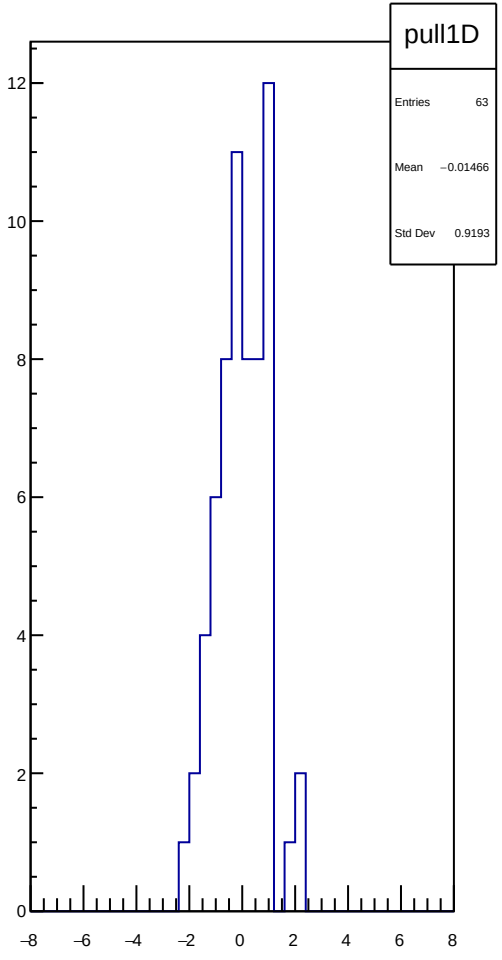

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.03 / 62
p0 0.4315 ± 1.372
pull
Entries 63
Mean −1065
Std Dev 0
pull1D
Entries 63
Mean 0.002267
Std Dev 1.069

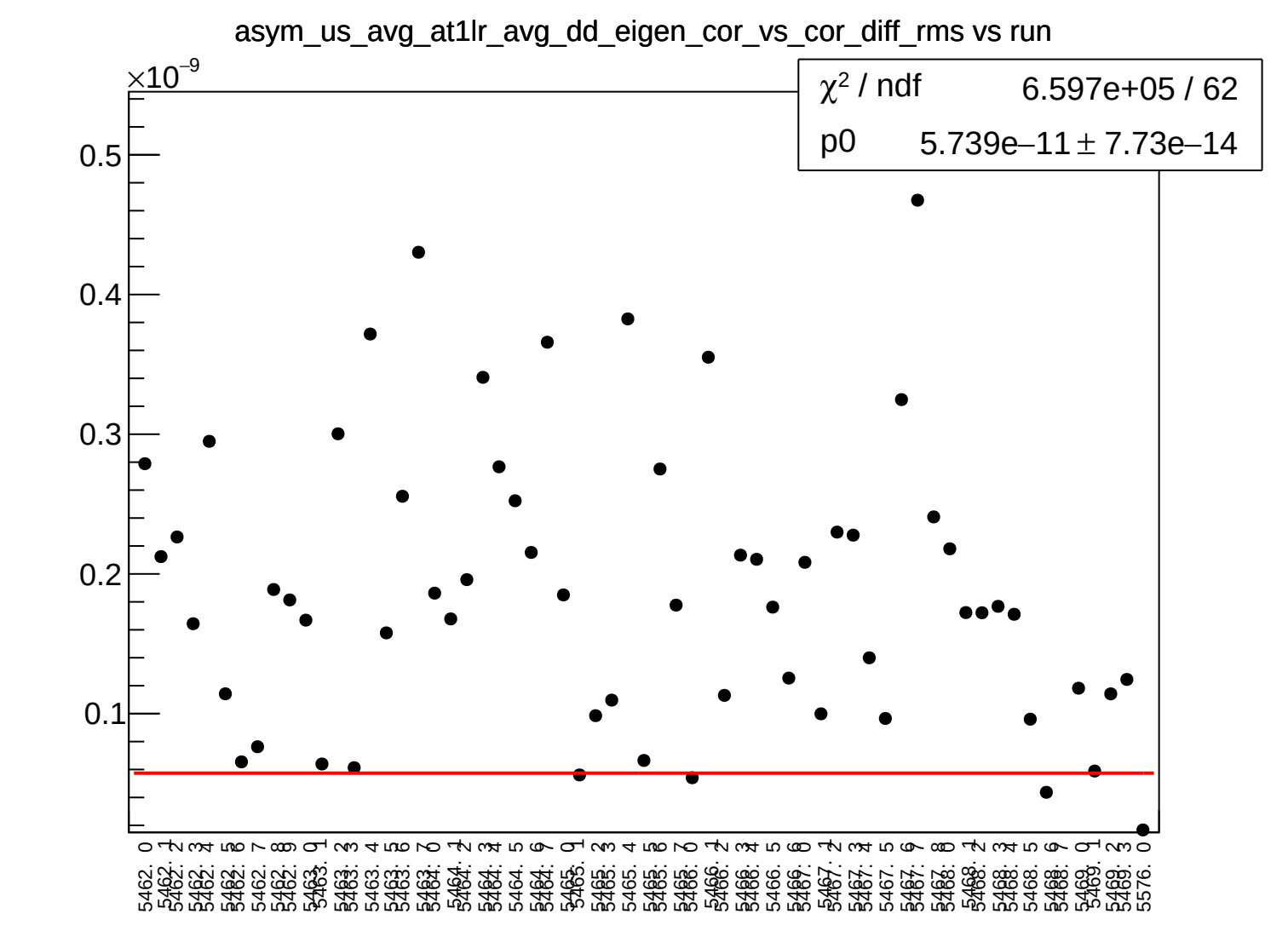

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4196 / 62
p0 1066 ± 0.9701
1700
1600
1500
1400
1300
1200
1100
1000

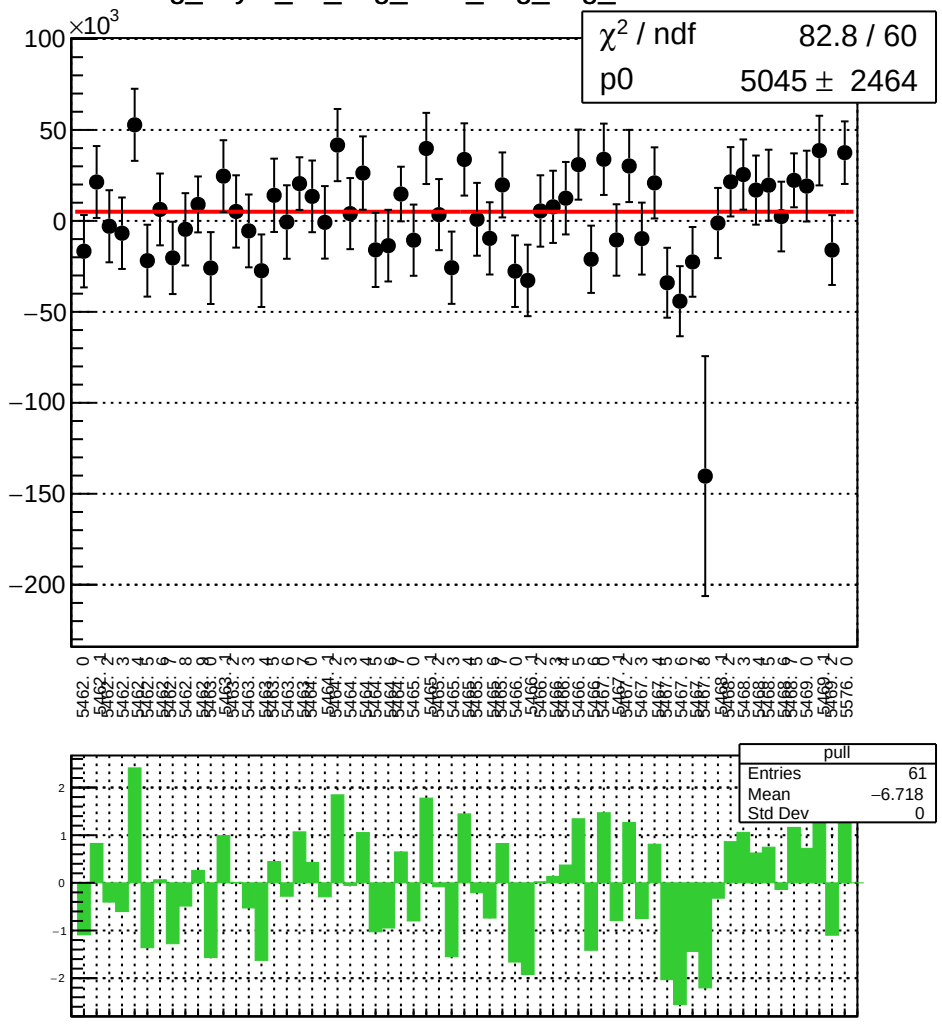

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.03 / 62
p0 0.4315 ± 1.372
pull
Entries 63
Mean −1065
Std Dev 0
pull1D
Entries 63
Mean 0.002267
Std Dev 1.069

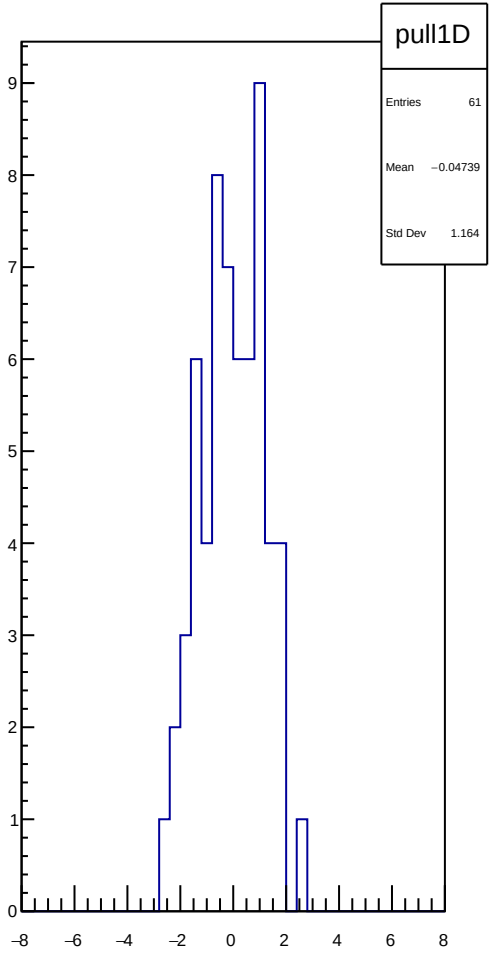

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4196 / 62
p0 1066 ± 0.9701
1700
1600
1500
1400
1300
1200
1100
1000

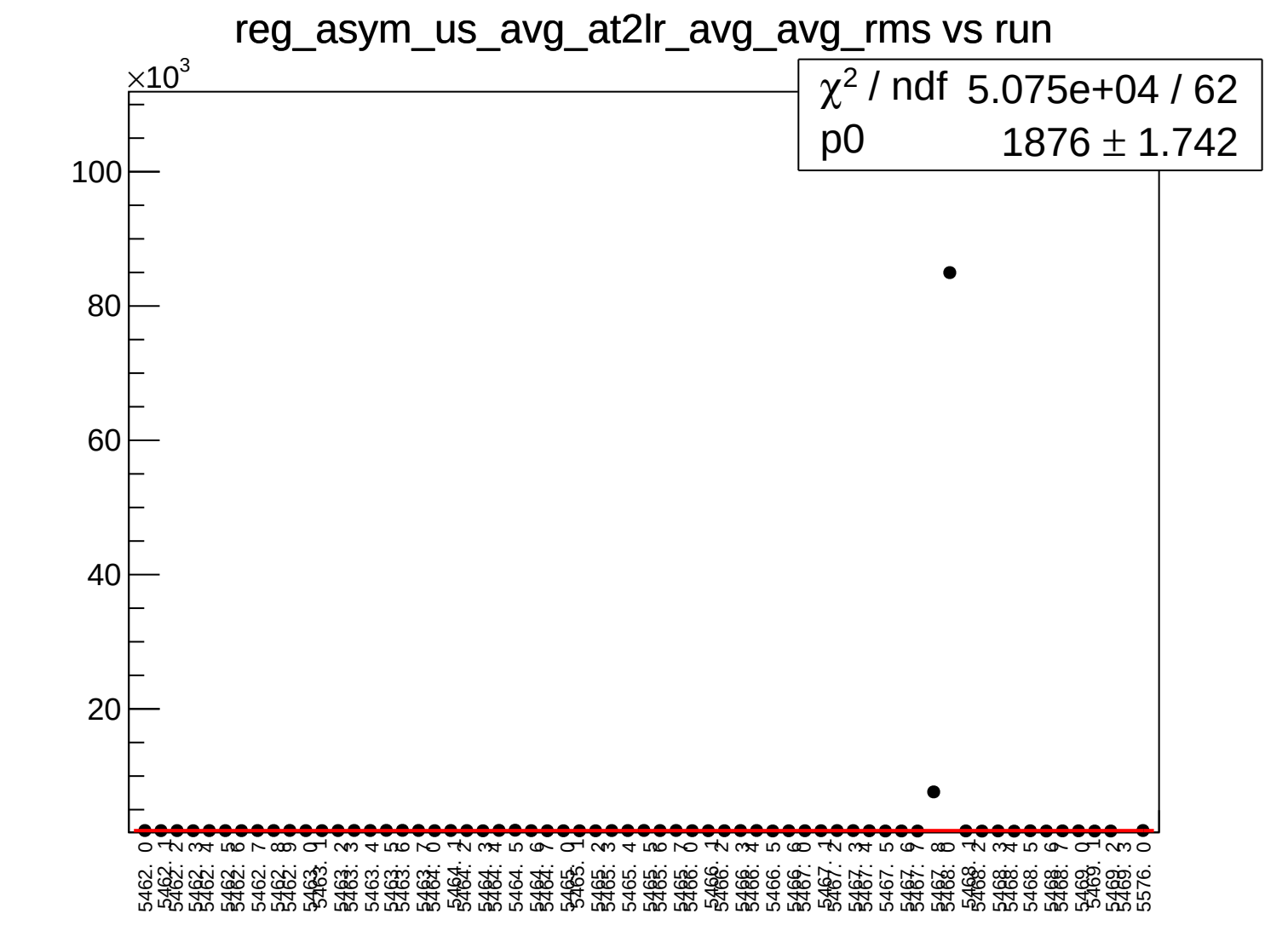

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.25 / 62
p0 7.638e−14 ± 1.093e−13
pull
Entries 63
Mean 93.47
Std Dev 0

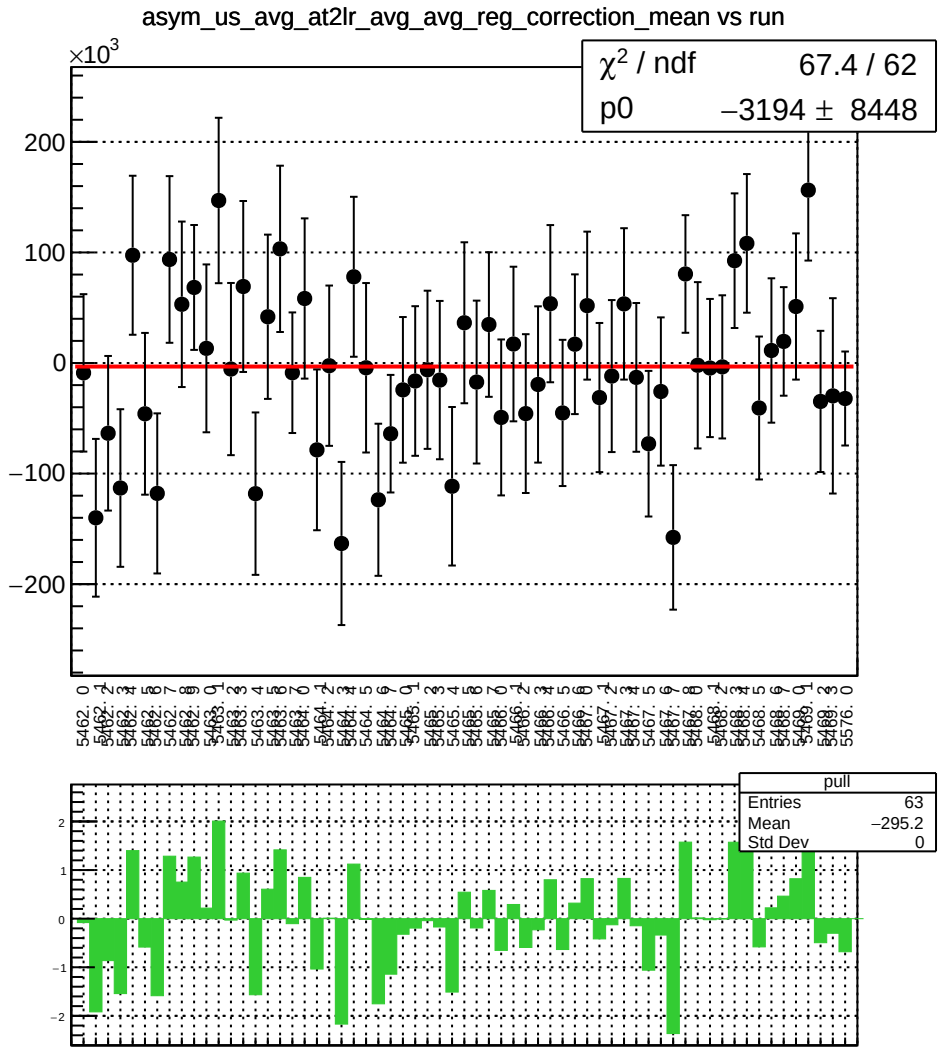

pull1D
Entries 63
Mean −0.01466
Std Dev 0.9193

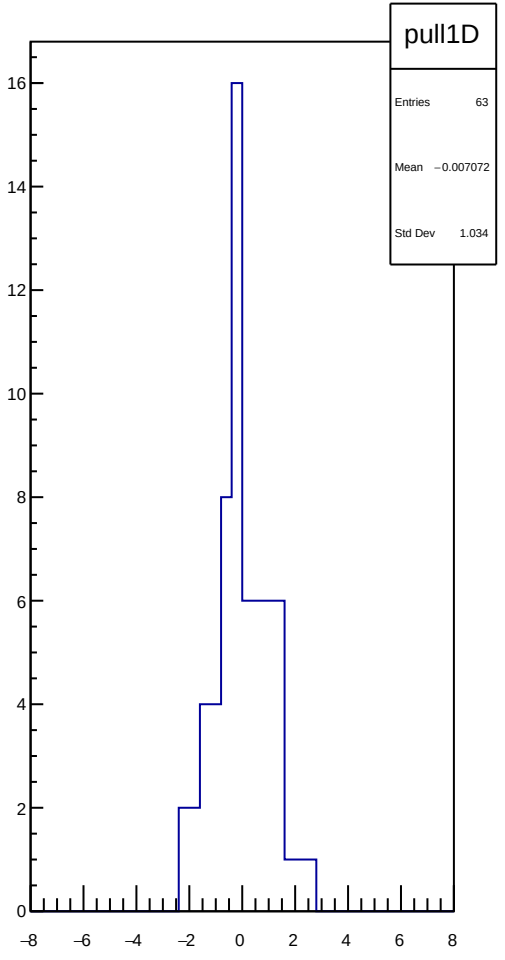

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.597e+05 / 62
p0 5.739e−11 ± 7.73e−14
0.5
0.4
0.3
0.2
0.1

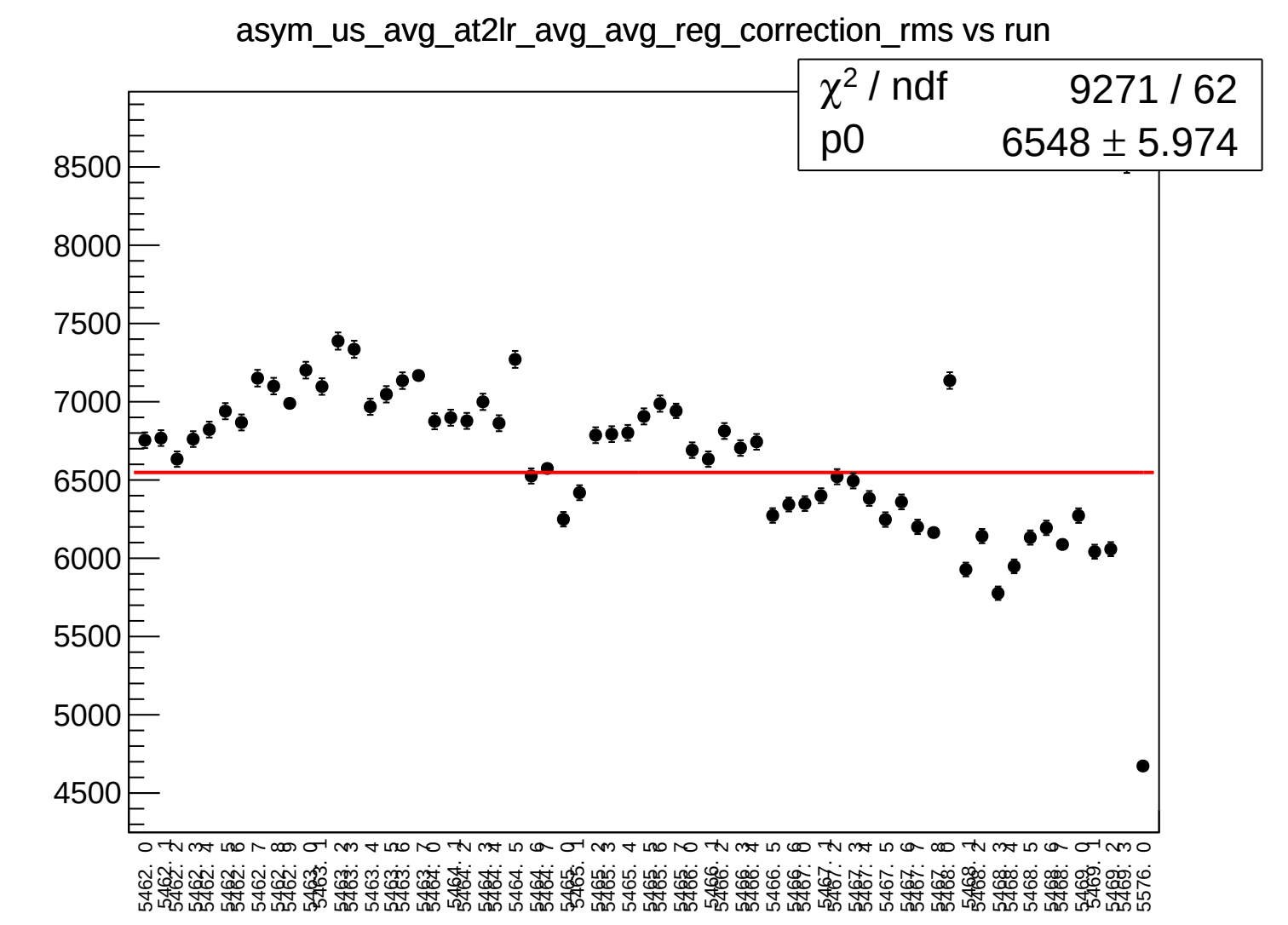

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 82.8 / 60
p0 5045 ± 2464
pull
Entries 61
Mean −6.718
Std Dev 0


pull1D
Entries 61
Mean −0.04739
Std Dev 1.164


reg_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ^2 / ndf 5.075e+04 / 62
p0 1876 ± 1.742
100
80
60
40
20


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 67.4 / 62
p0 −3194 ± 8448
200
100
0
−100
−200
pull
Entries 63
Mean −295.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.007072
Std Dev 1.034
16
14
12
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 9271 / 62
p0 6548 ± 5.974
8500
8000
7500
7000
6500
6000
5500
5000
4500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
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5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
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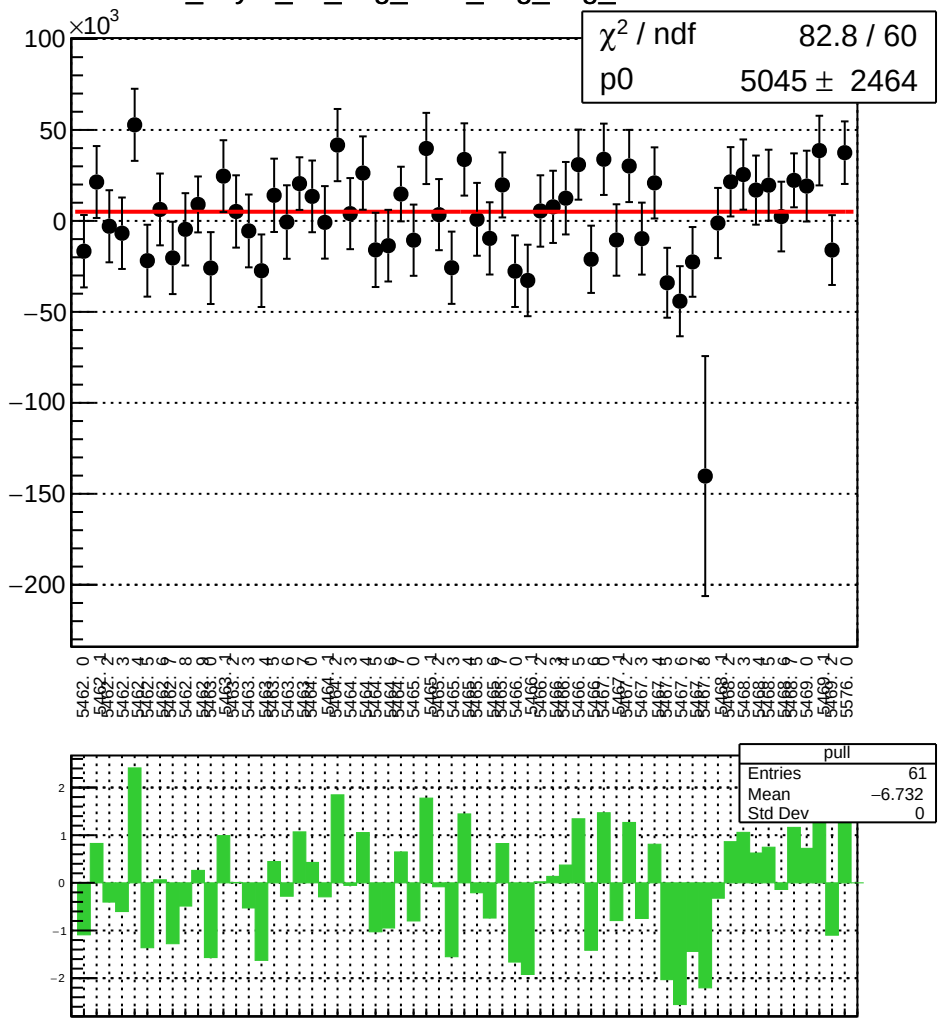
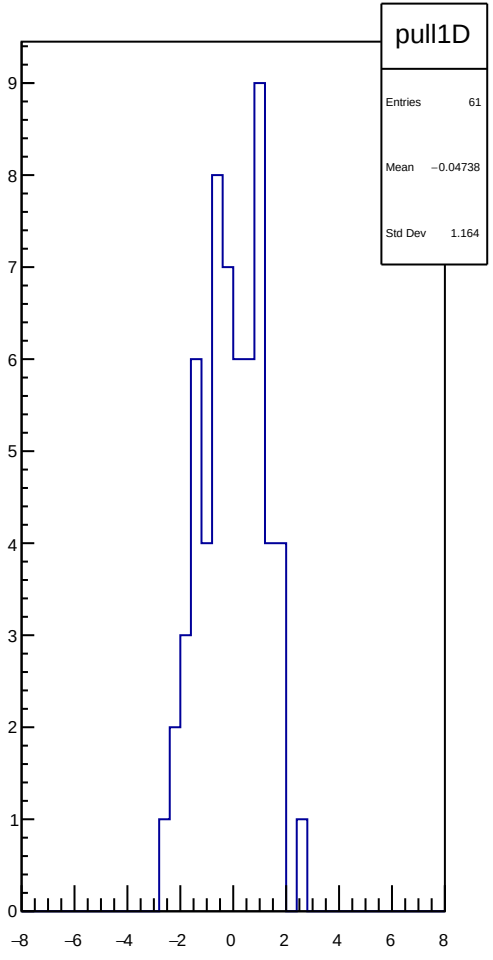
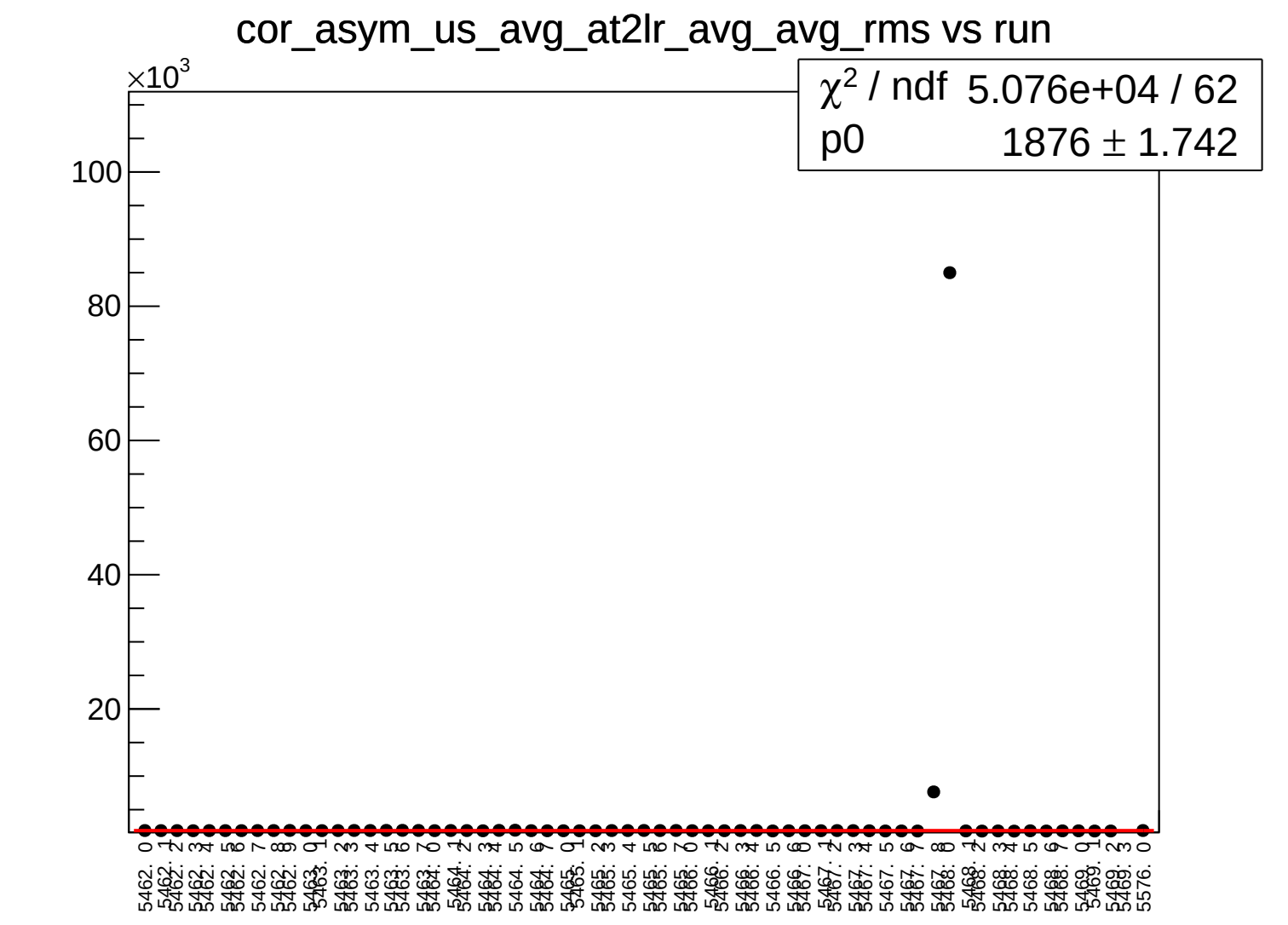
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 82.8 / 60
p0 5045 ± 2464
×10³
pull
Entries 61
Mean −6.732
Std Dev 0


pull1D
Entries 61
Mean −0.04738
Std Dev 1.164


cor_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ^2 / ndf 5.076e+04 / 62
p0 1876 ± 1.742
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
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5464. 7
5464. 9
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5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
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5466. 2
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5466. 6
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5467. 2
5467. 3
5467. 4
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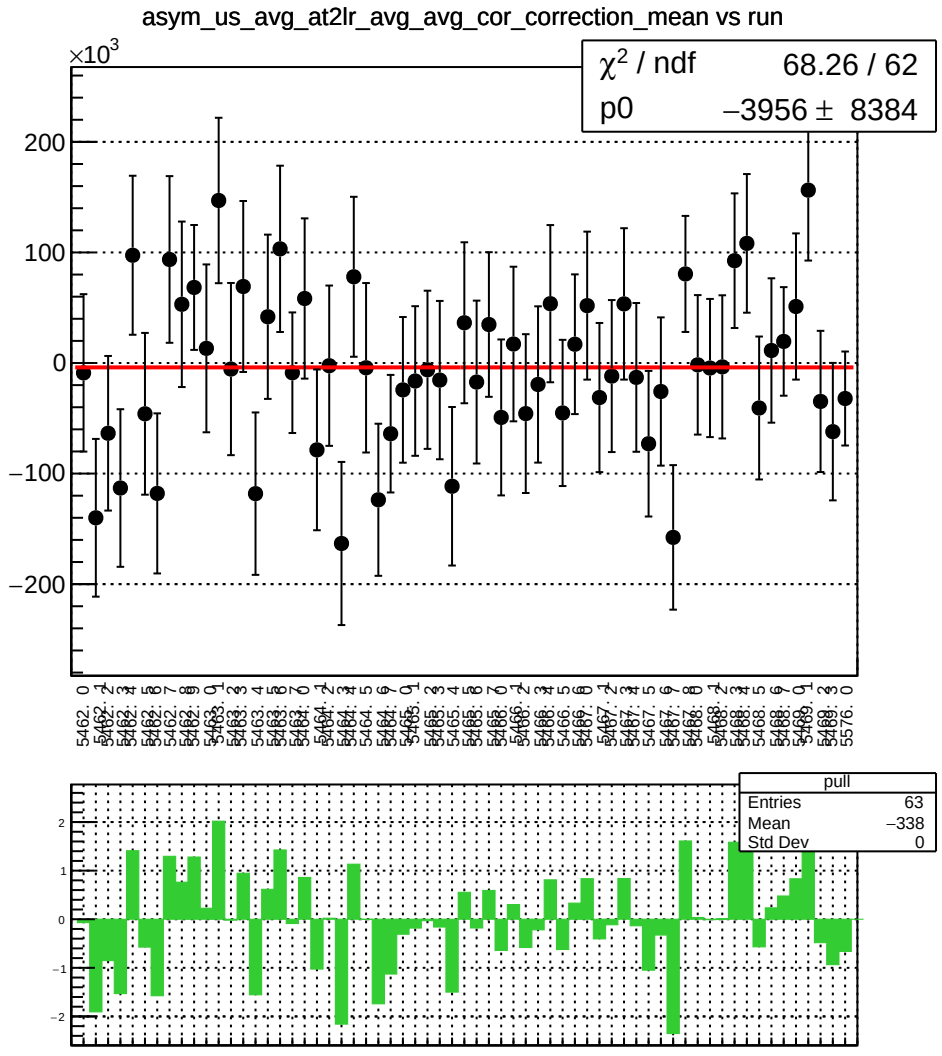
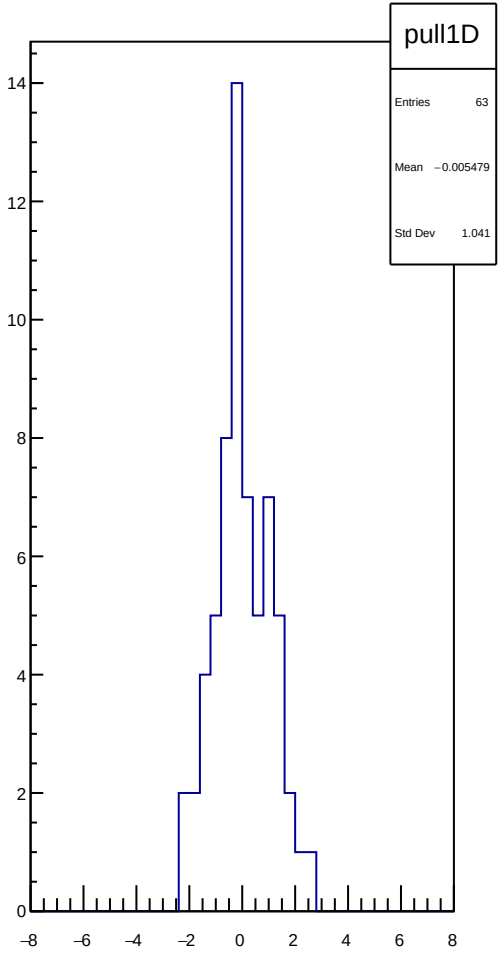
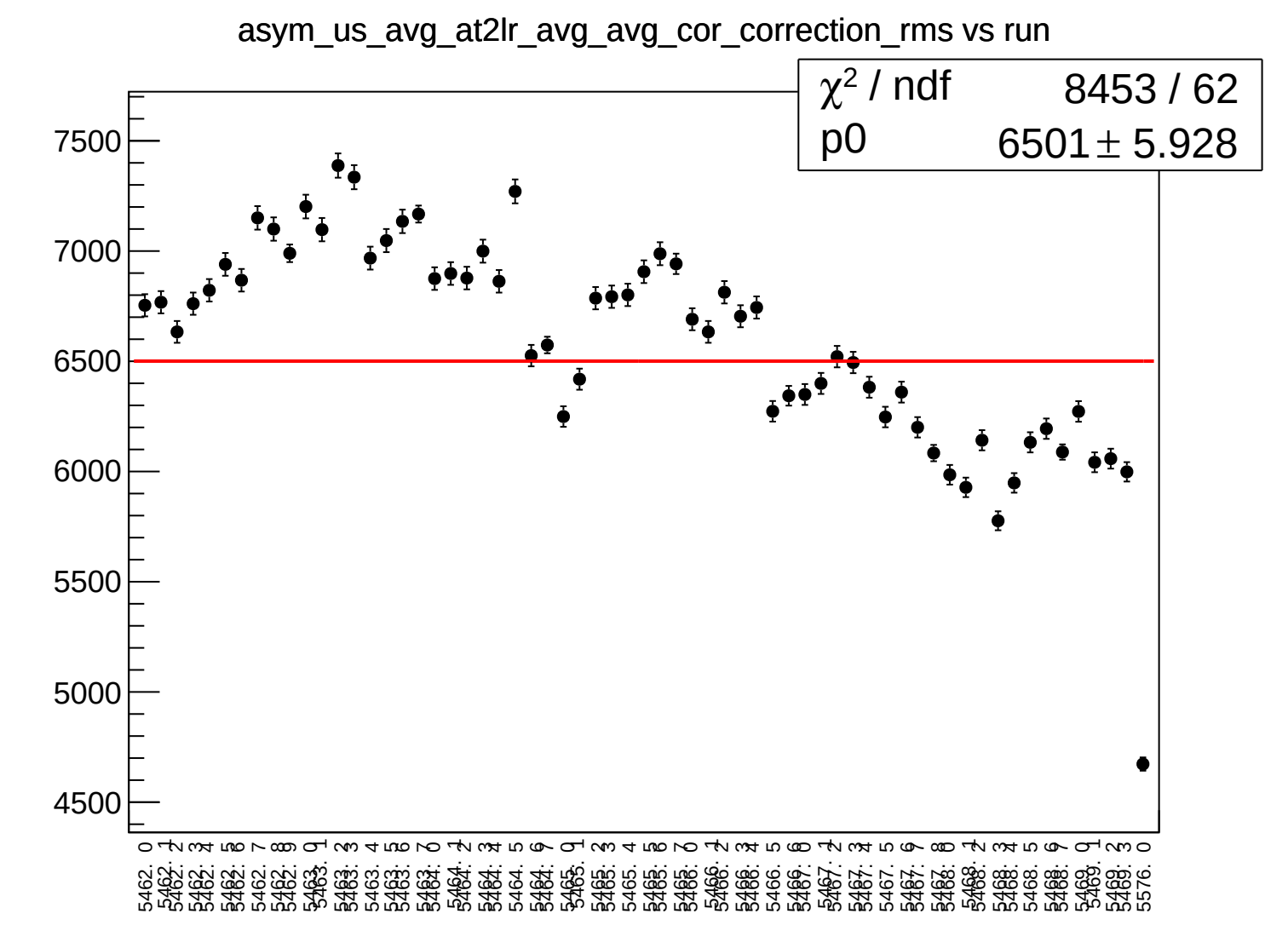
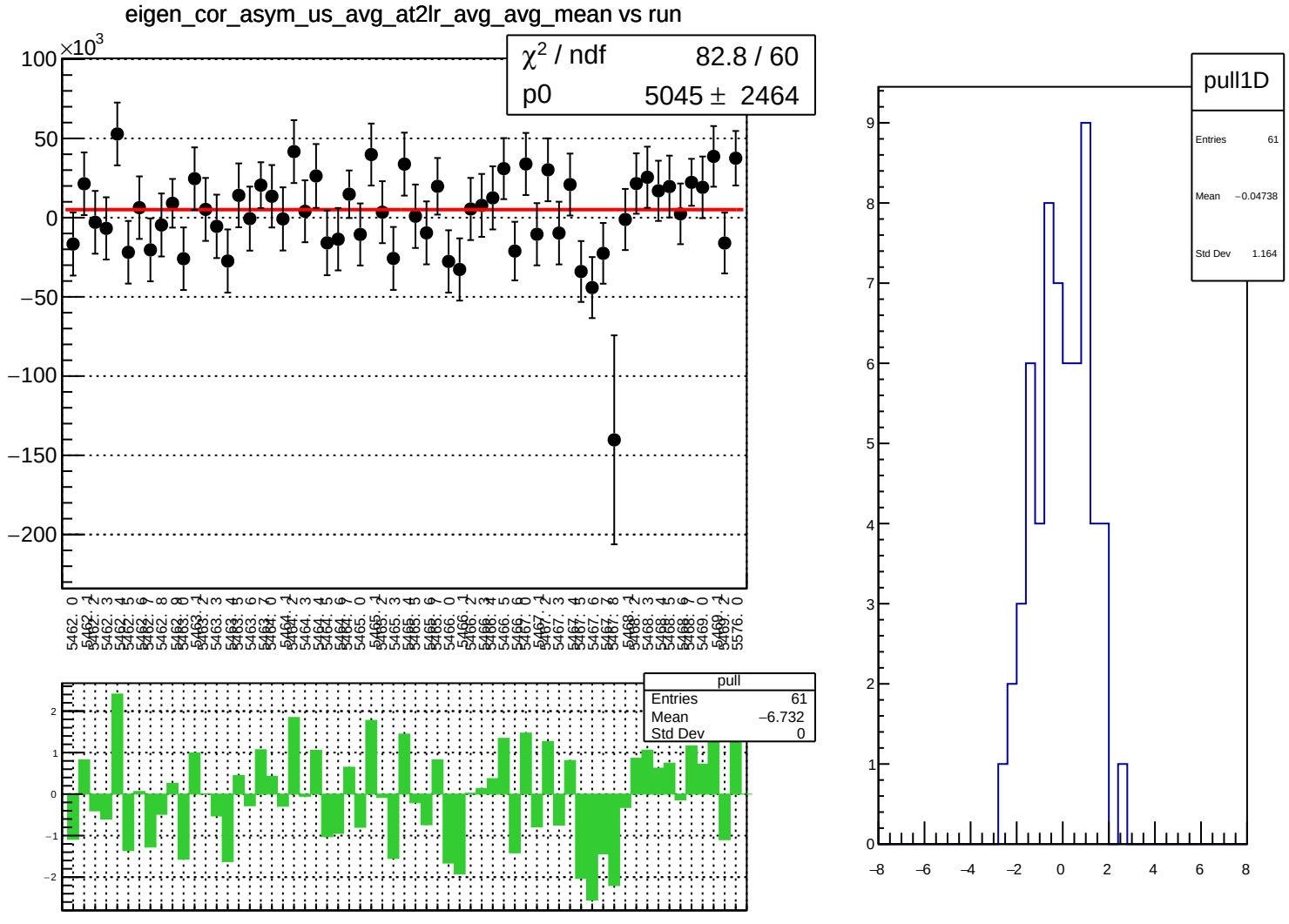
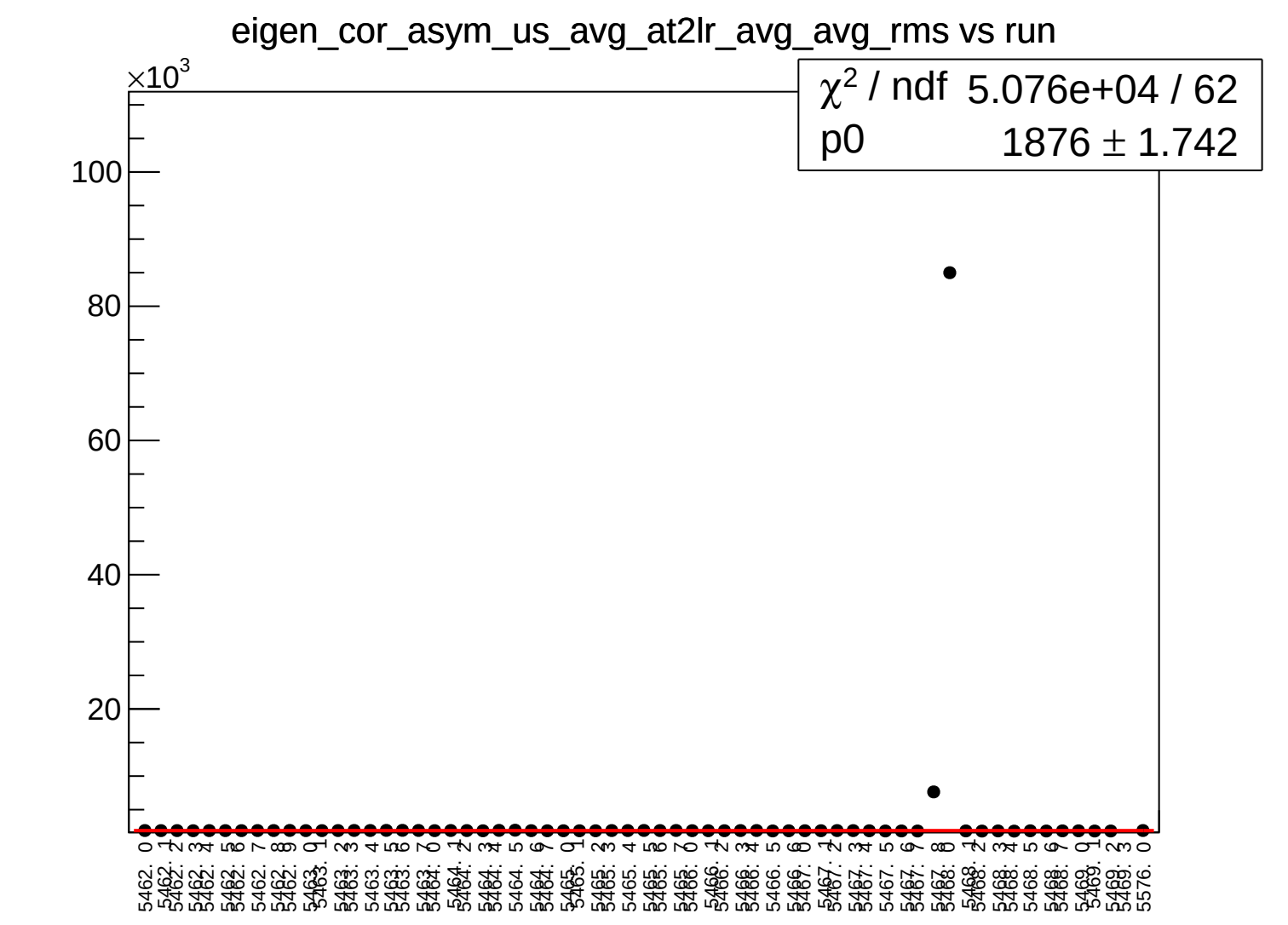
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

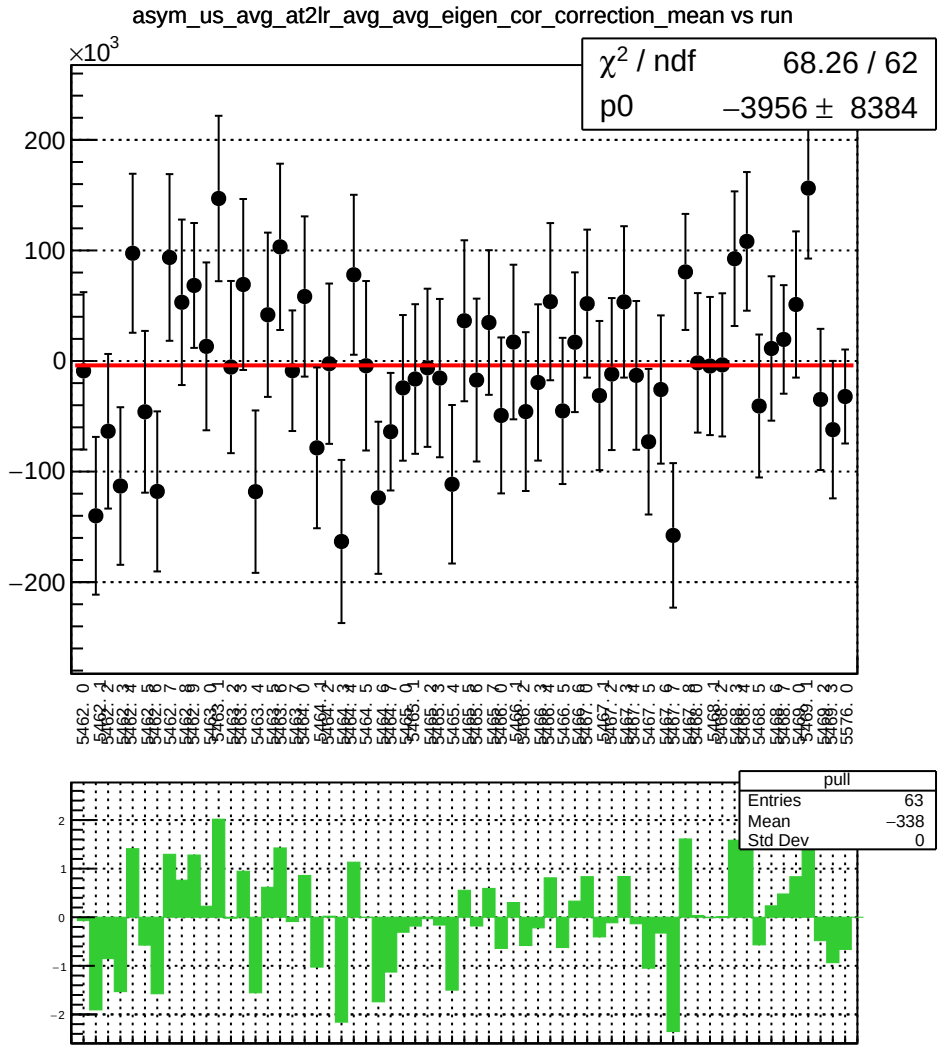

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.26 / 62
p0 −3956 ± 8384
200
100
0
−100
−200
pull
Entries 63
Mean −338
Std Dev 0
2
1
0
−1
−2

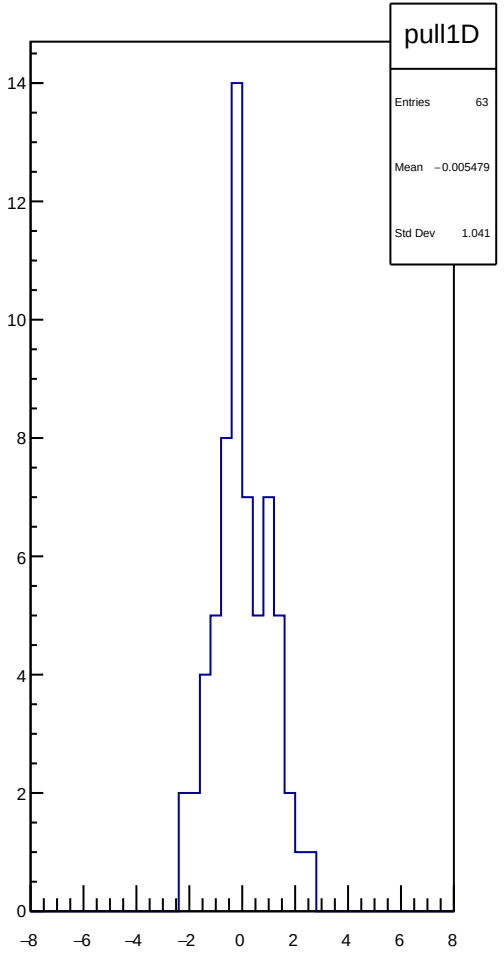

pull1D
Entries 63
Mean −0.005479
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

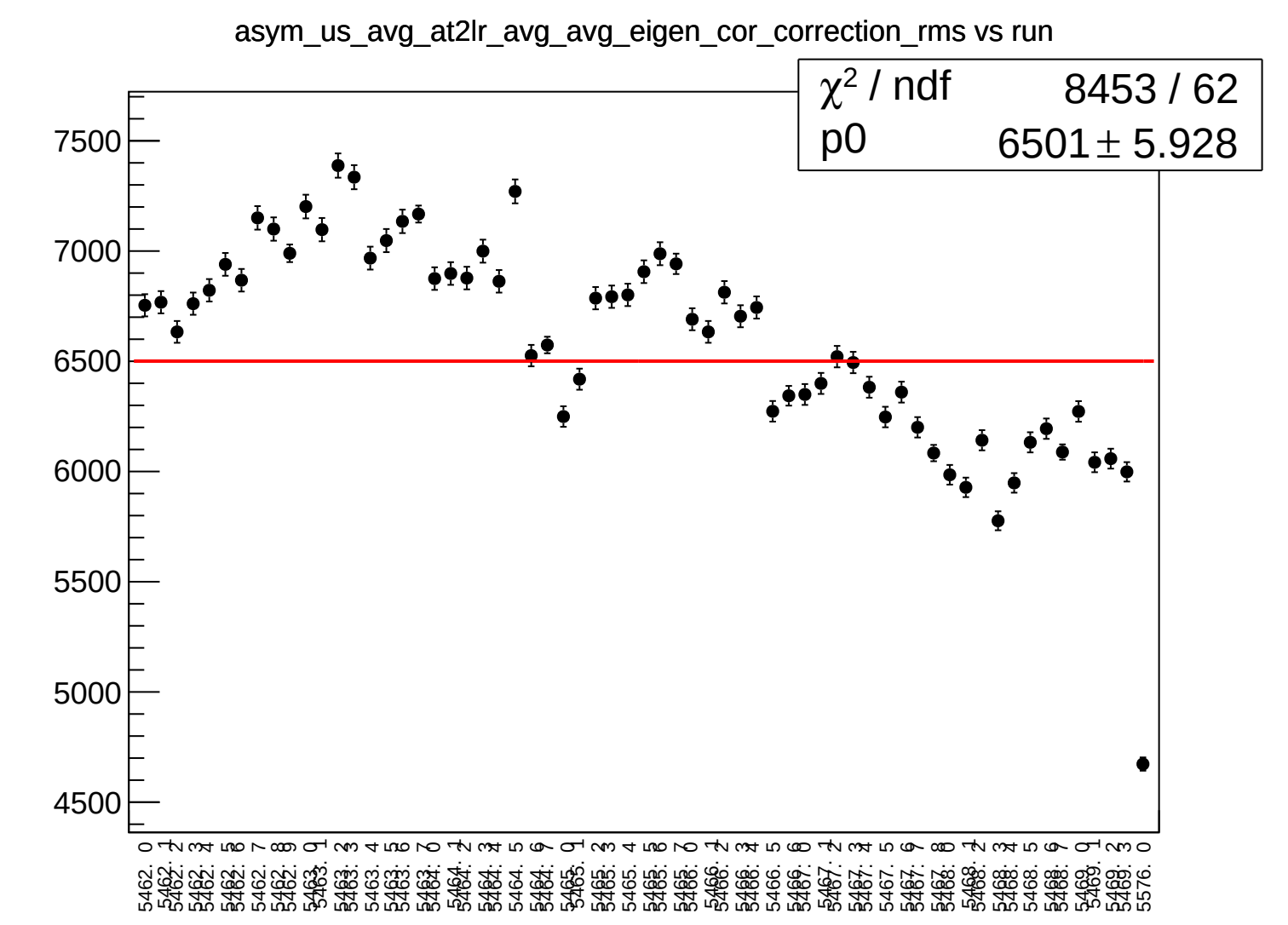

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 8453 / 62
p0 6501 ± 5.928
7500
7000
6500
6000
5500
5000
4500

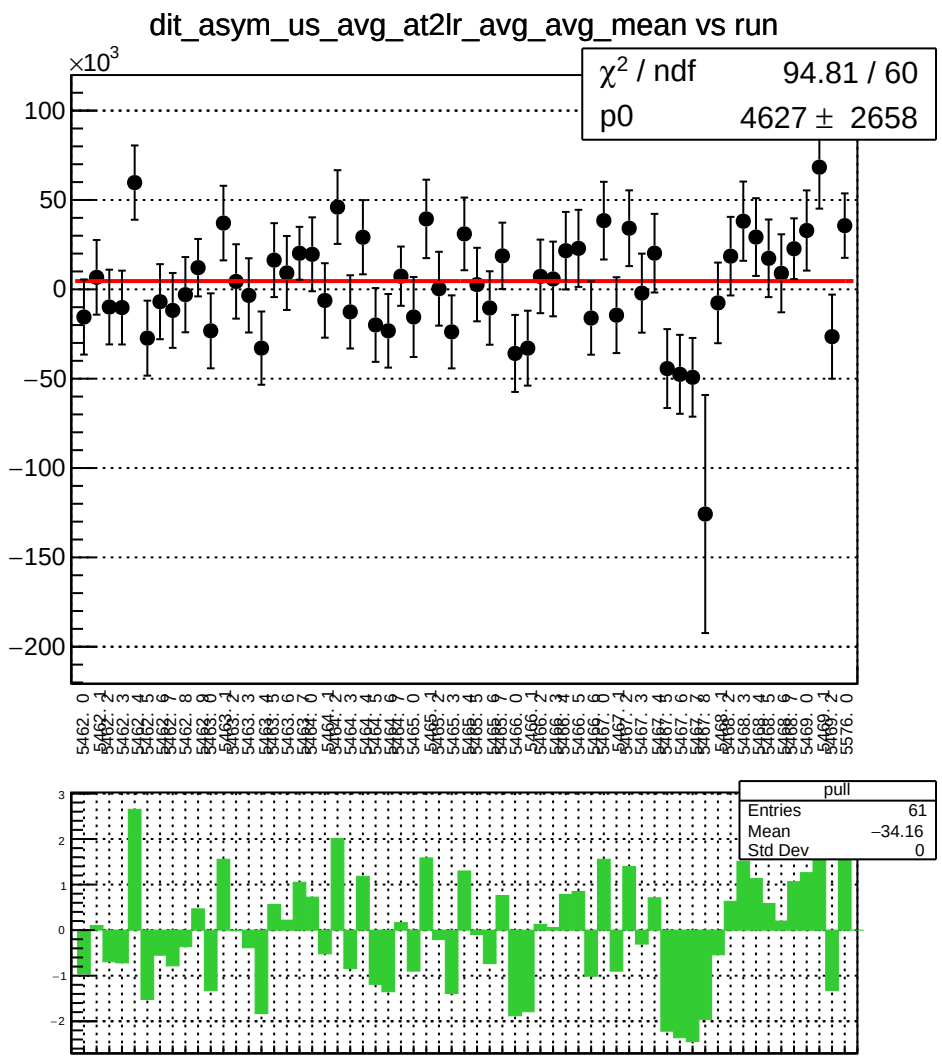

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 82.8 / 60
p0 5045 ± 2464
pull
Entries 61
Mean −6.732
Std Dev 0
pull1D
Entries 61
Mean −0.04738
Std Dev 1.164

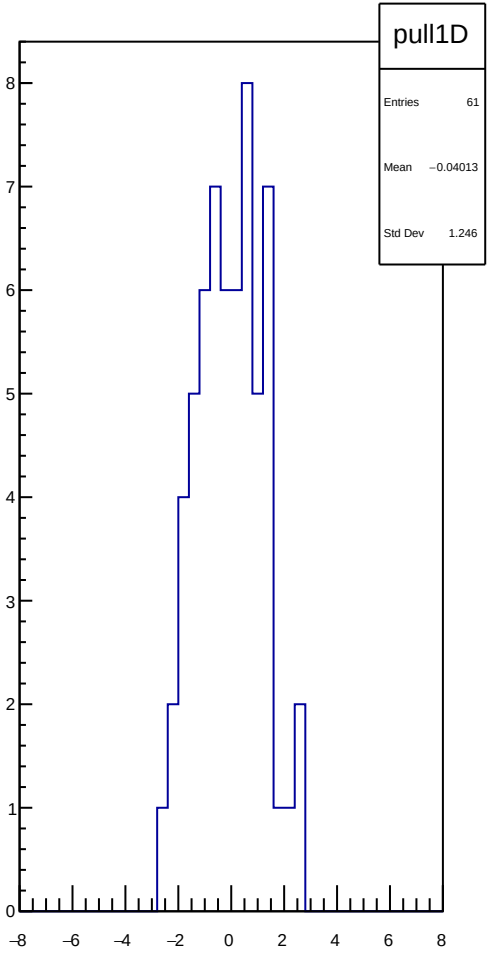

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ^2 / ndf 5.076e+04 / 62
p0 1876 ± 1.742
100
80
60
40
20

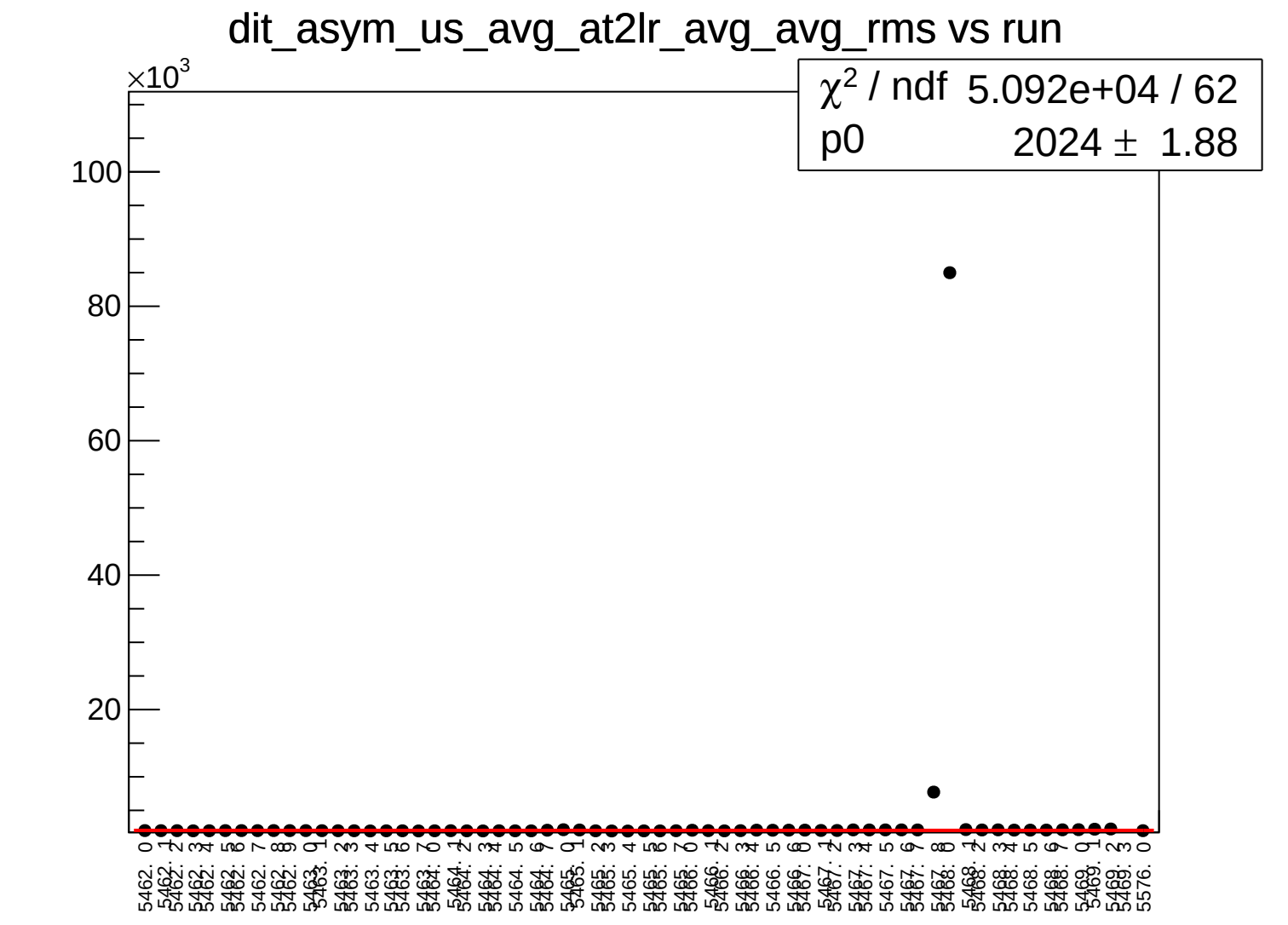

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.26 / 62
p0 −3956 ± 8384
200
100
0
−100
−200
pull
Entries 63
Mean −338
Std Dev 0
2
1
0
−1
−2

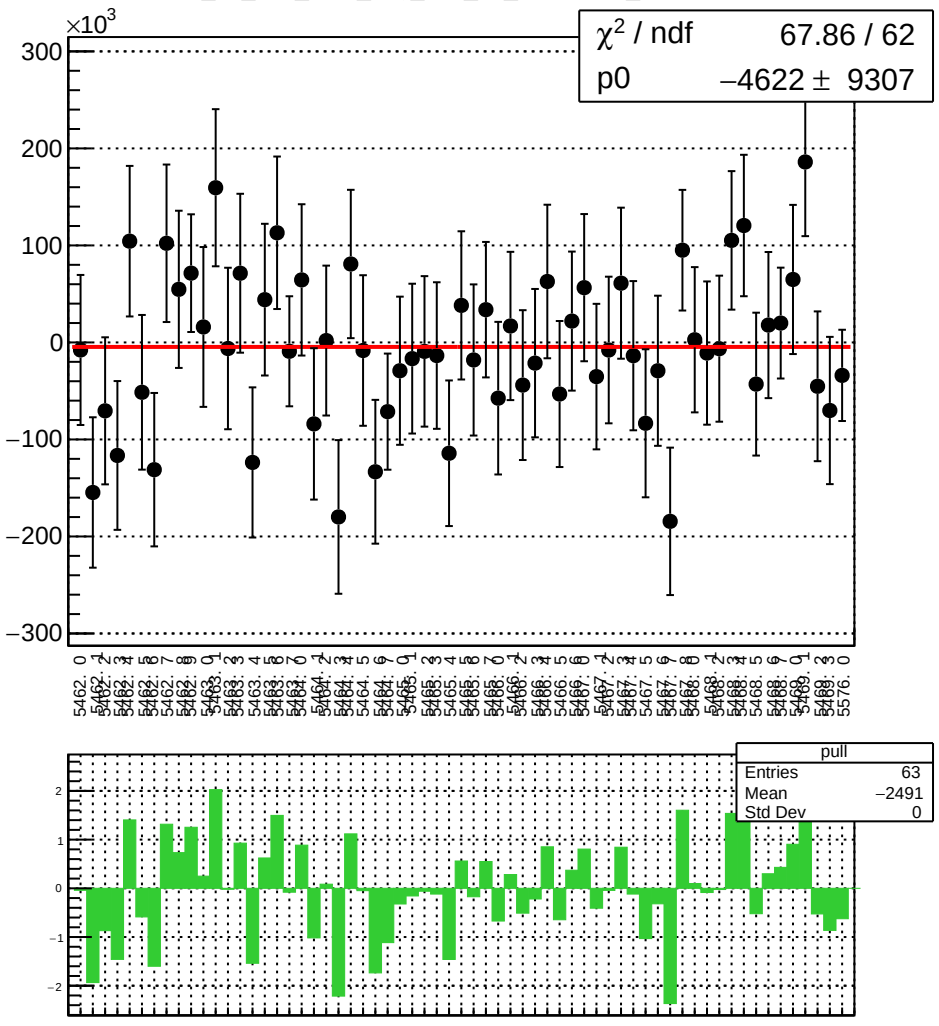

pull1D
Entries 63
Mean −0.005479
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

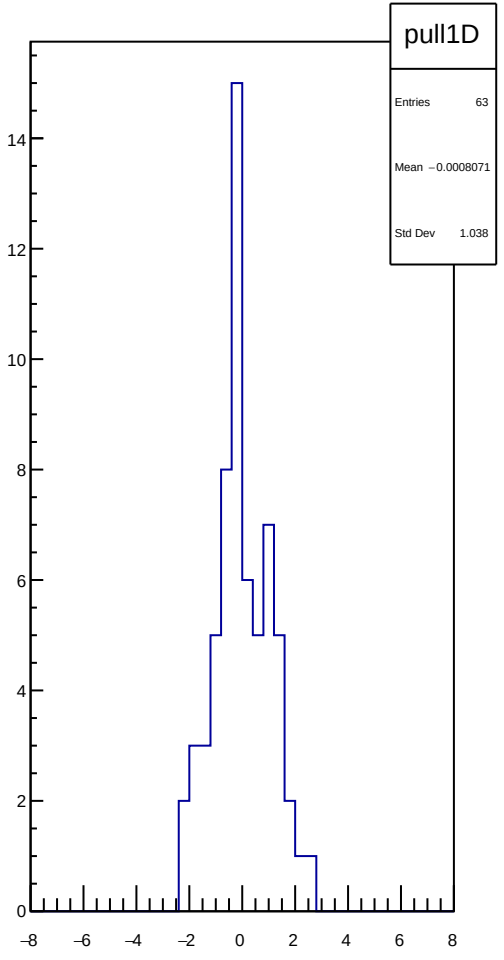

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8453 / 62
p0 6501 ± 5.928
7500
7000
6500
6000
5500
5000
4500

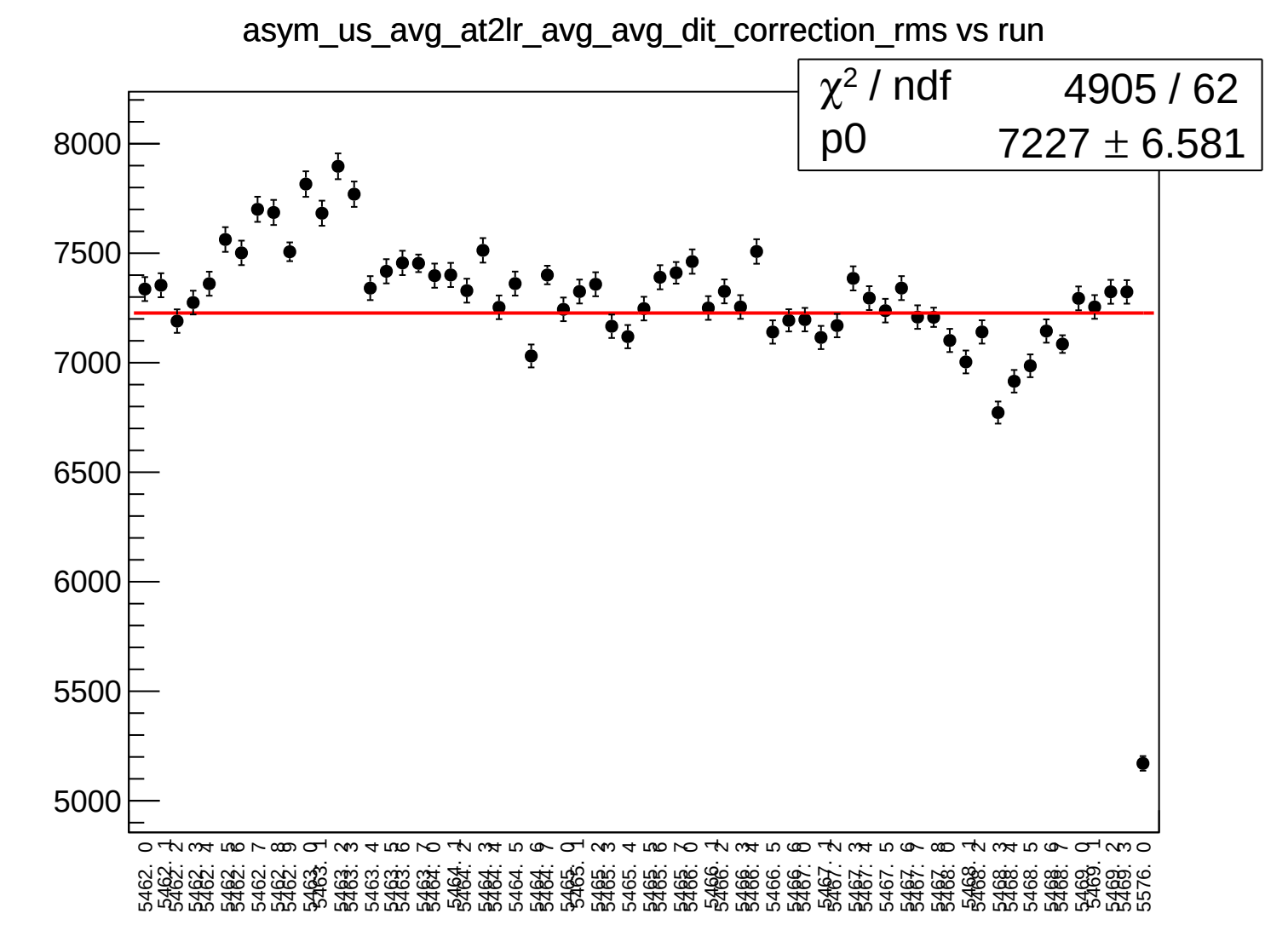

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 94.81 / 60
p0 4627 ± 2658
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean −34.16
Std Dev 0
3
2
1
0
−1
−2

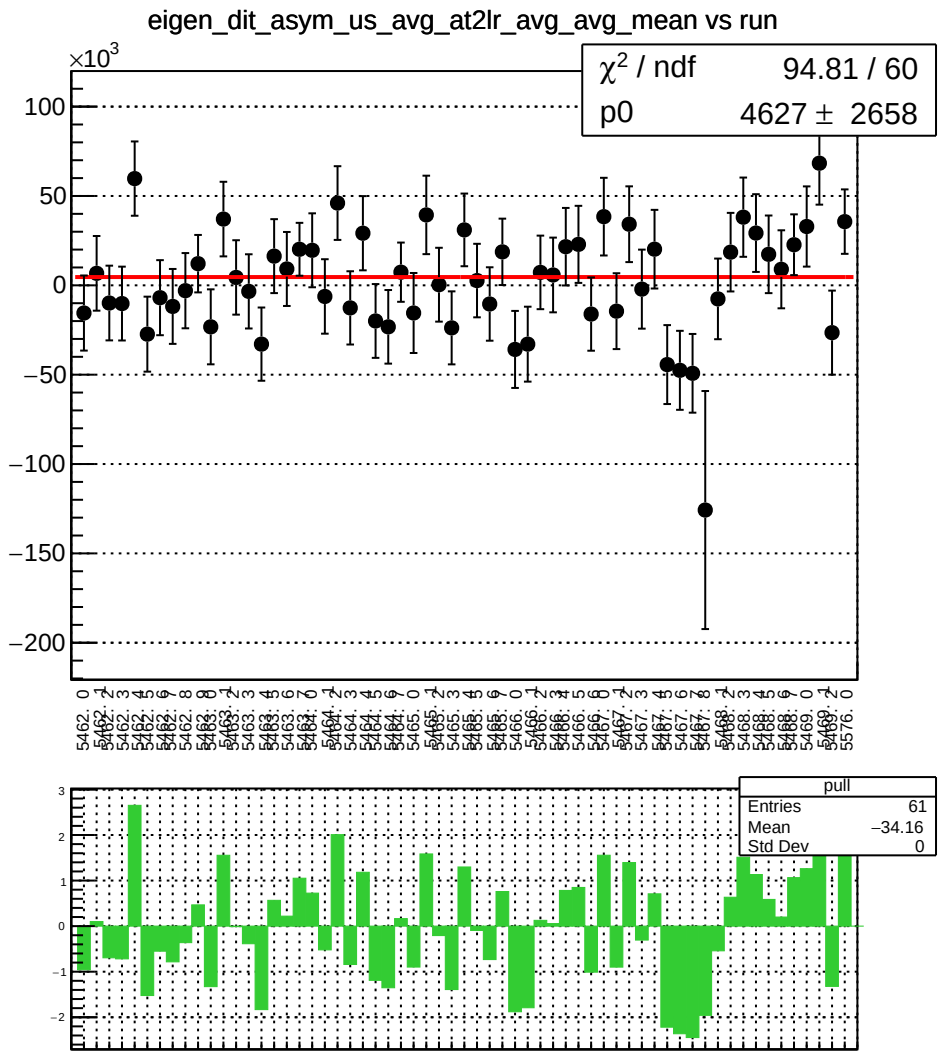

pull1D
Entries 61
Mean −0.04013
Std Dev 1.246
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

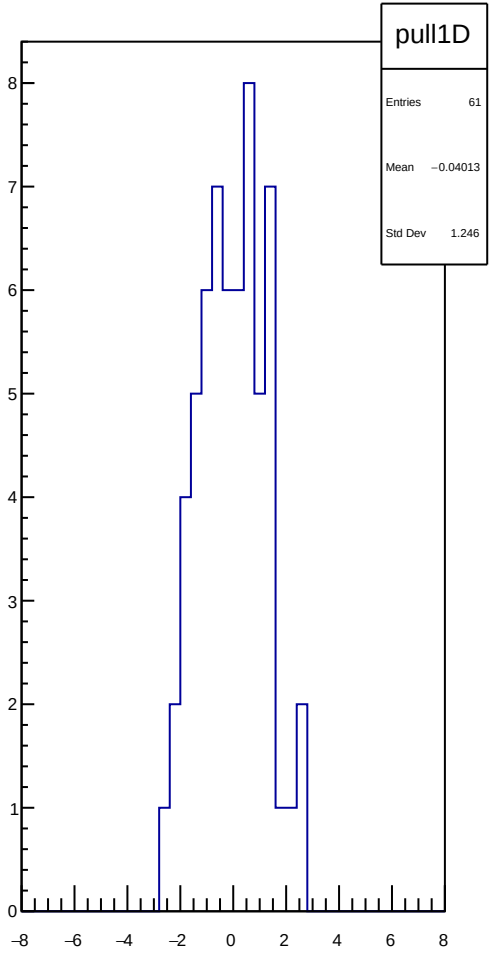

dit_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ^2 / ndf 5.092e+04 / 62
p0 2024 ± 1.88
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

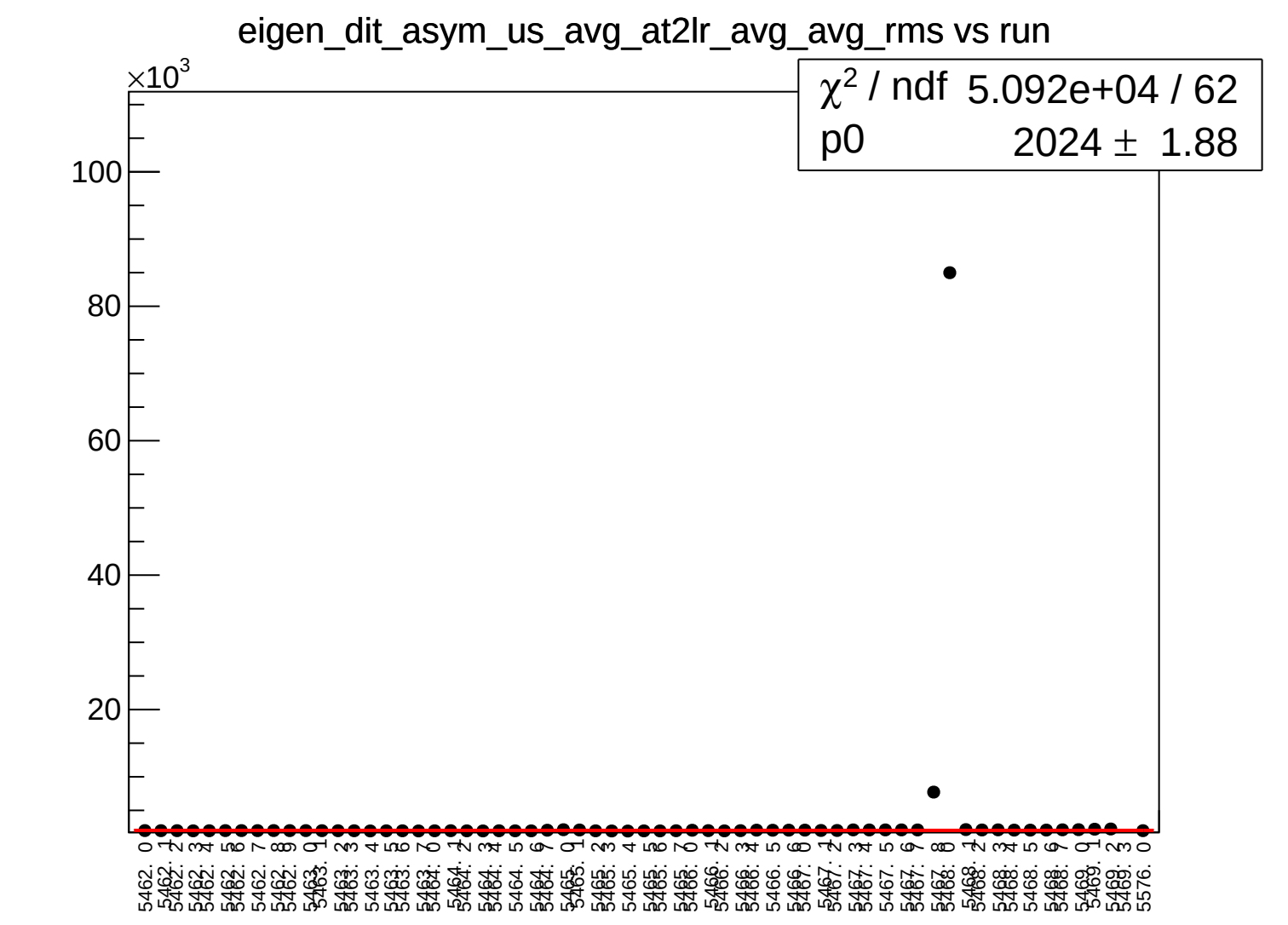

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 67.86 / 62
p0 −4622 ± 9307
pull
Entries 63
Mean −2491
Std Dev 0

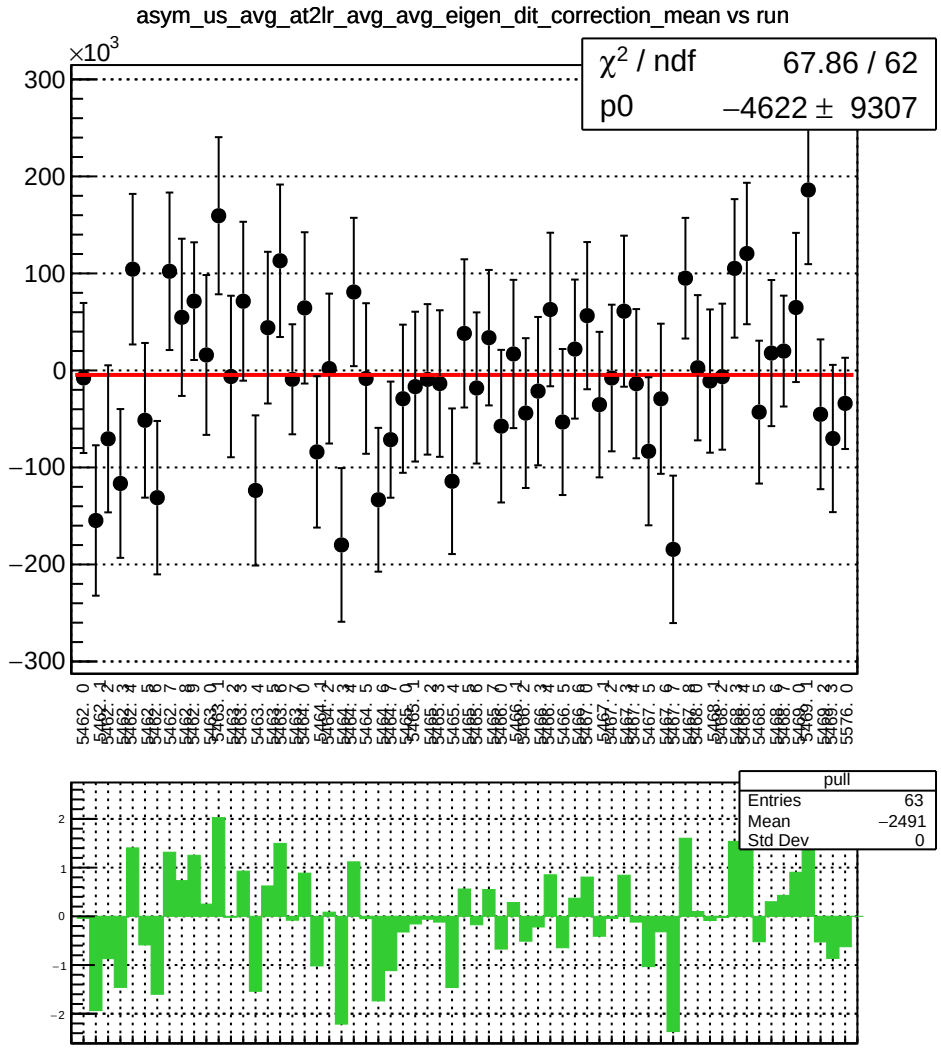

pull1D
Entries 63
Mean −0.0008071
Std Dev 1.038

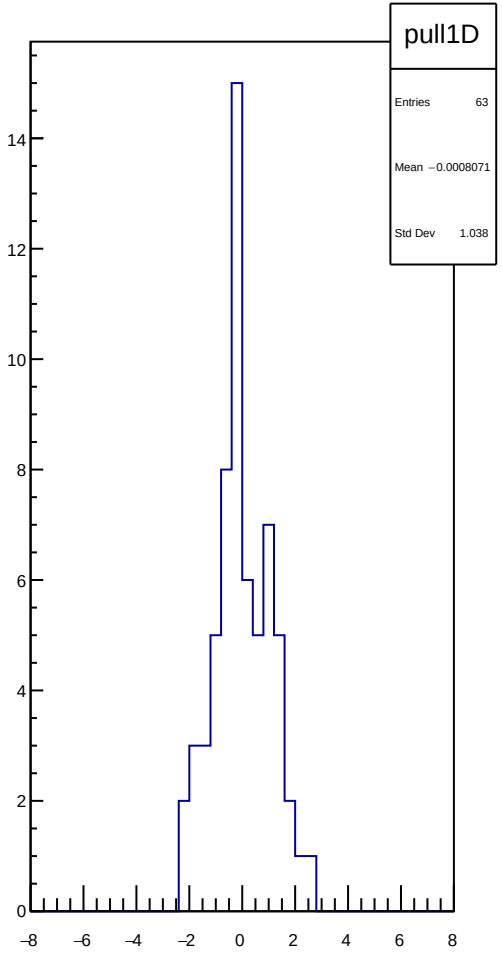

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 4905 / 62
p0 7227 ± 6.581
8000
7500
7000
6500
6000
5500
5000

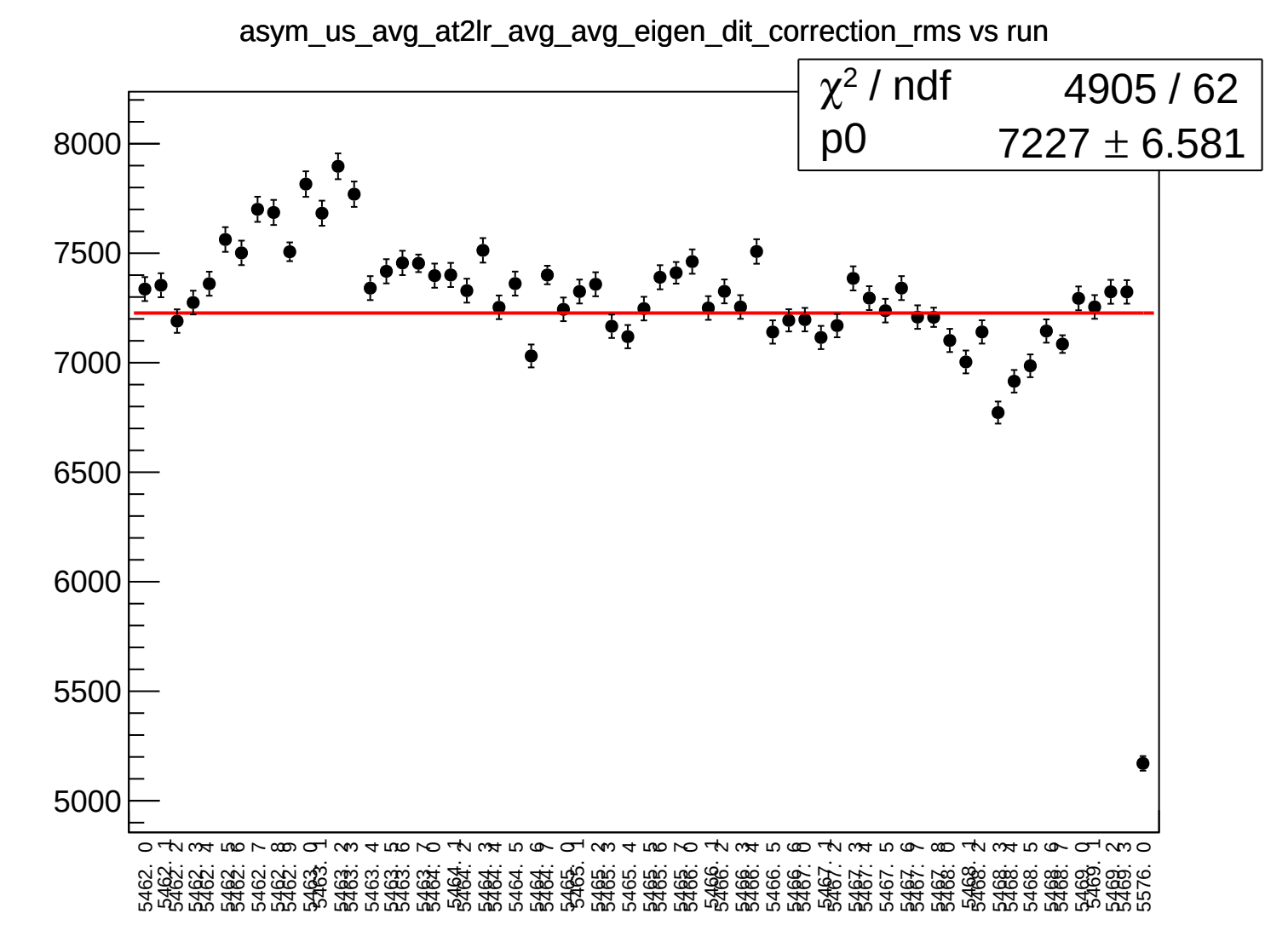

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 94.81 / 60
p0 4627 ± 2658
pull
Entries 61
Mean −34.16
Std Dev 0

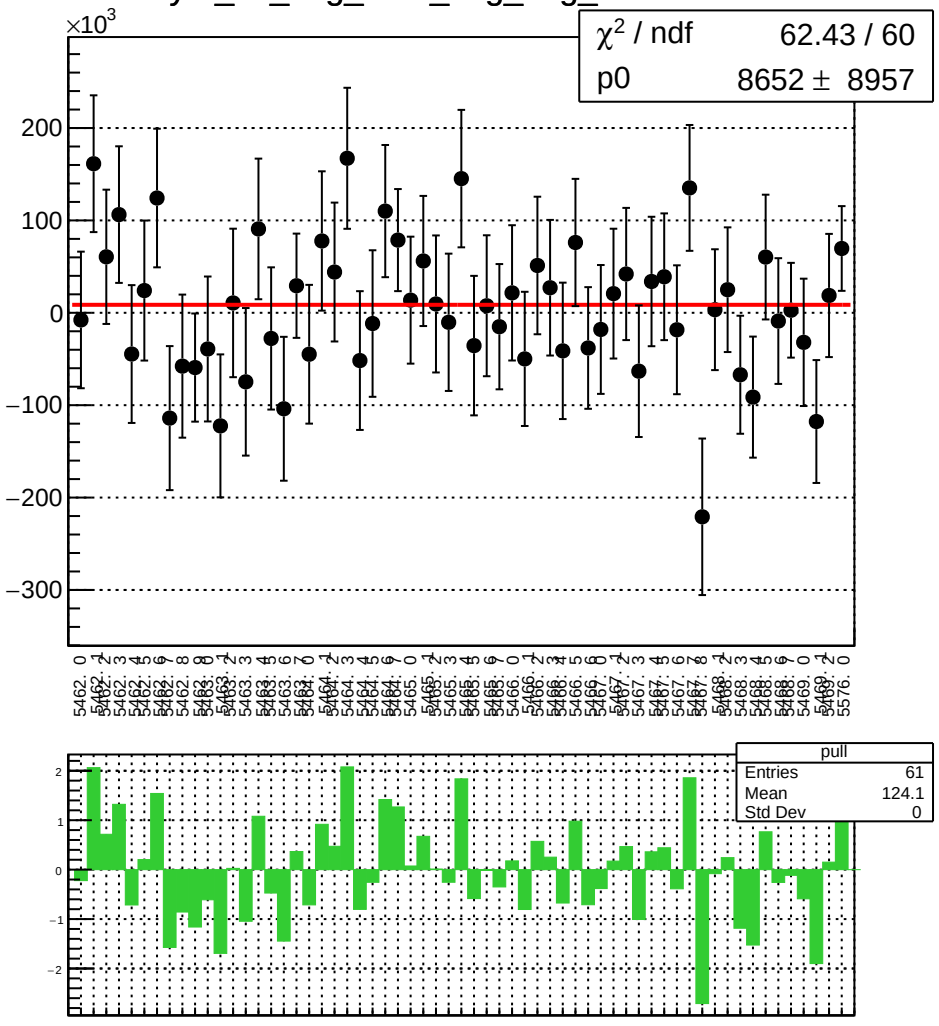

pull1D
Entries 61
Mean −0.04013
Std Dev 1.246

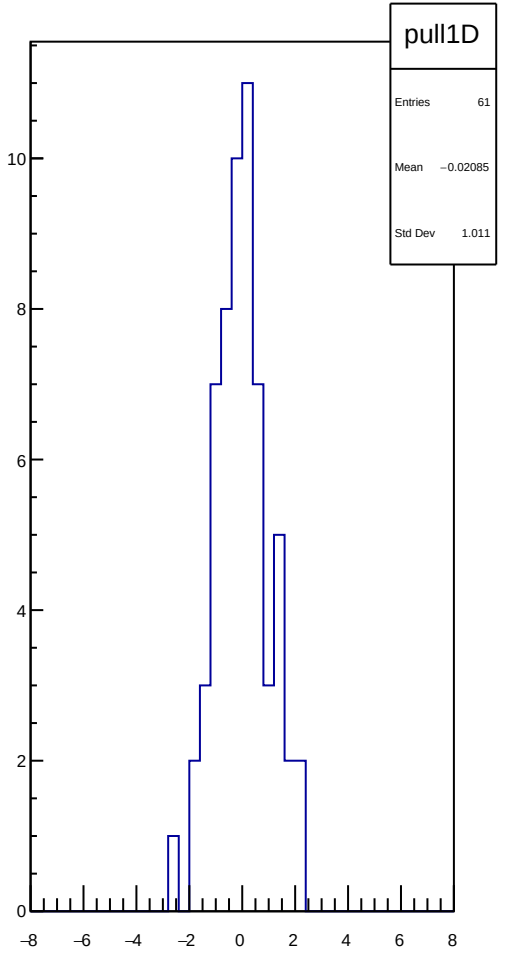

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ² / ndf 5.092e+04 / 62
p0 2024 ± 1.88
100
80
60
40
20

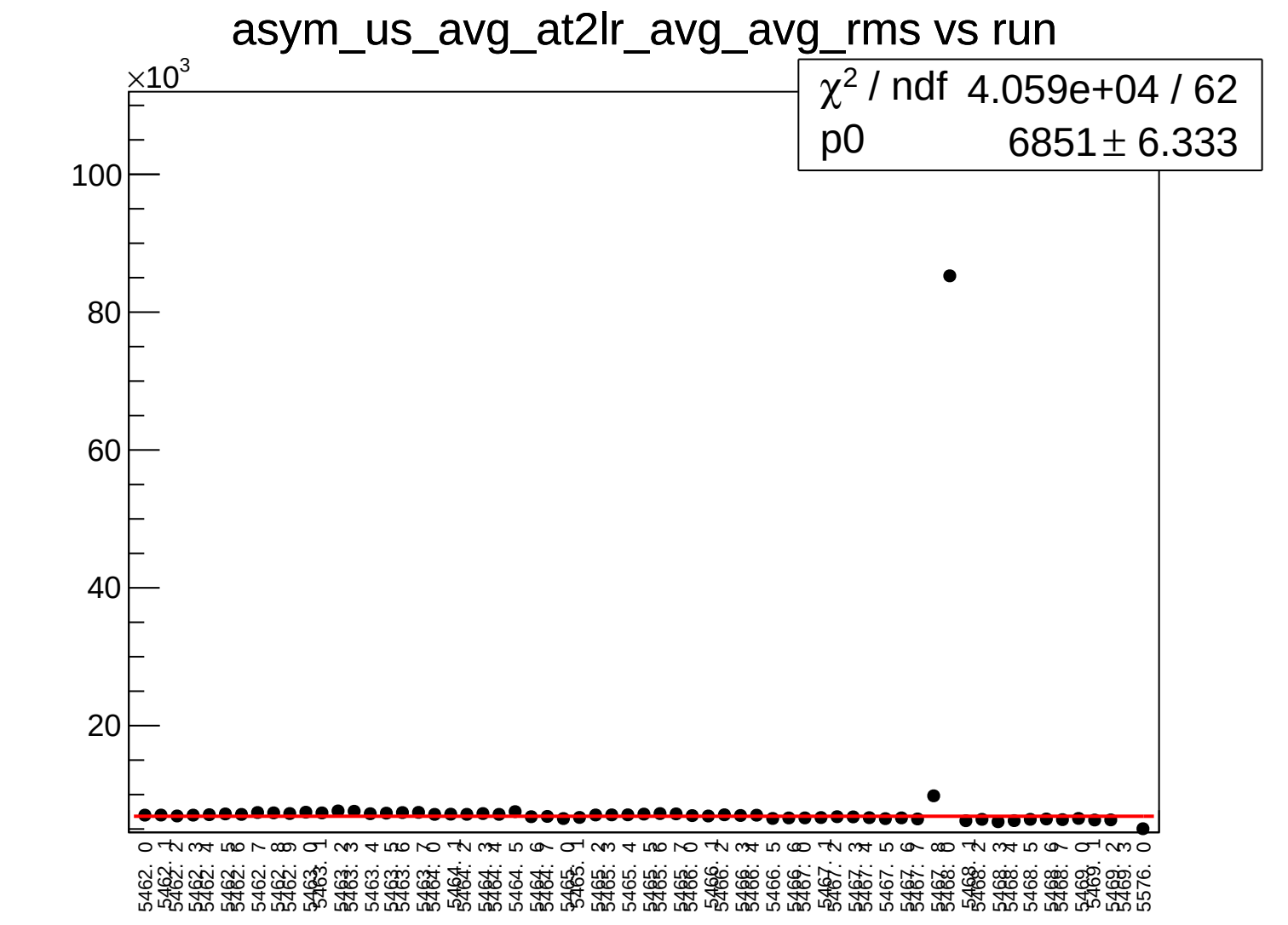

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.86 / 62
p0 −4622 ± 9307
300
200
100
0
−100
−200
−300
pull
Entries 63
Mean −2491
Std Dev 0
2
1
0
−1
−2

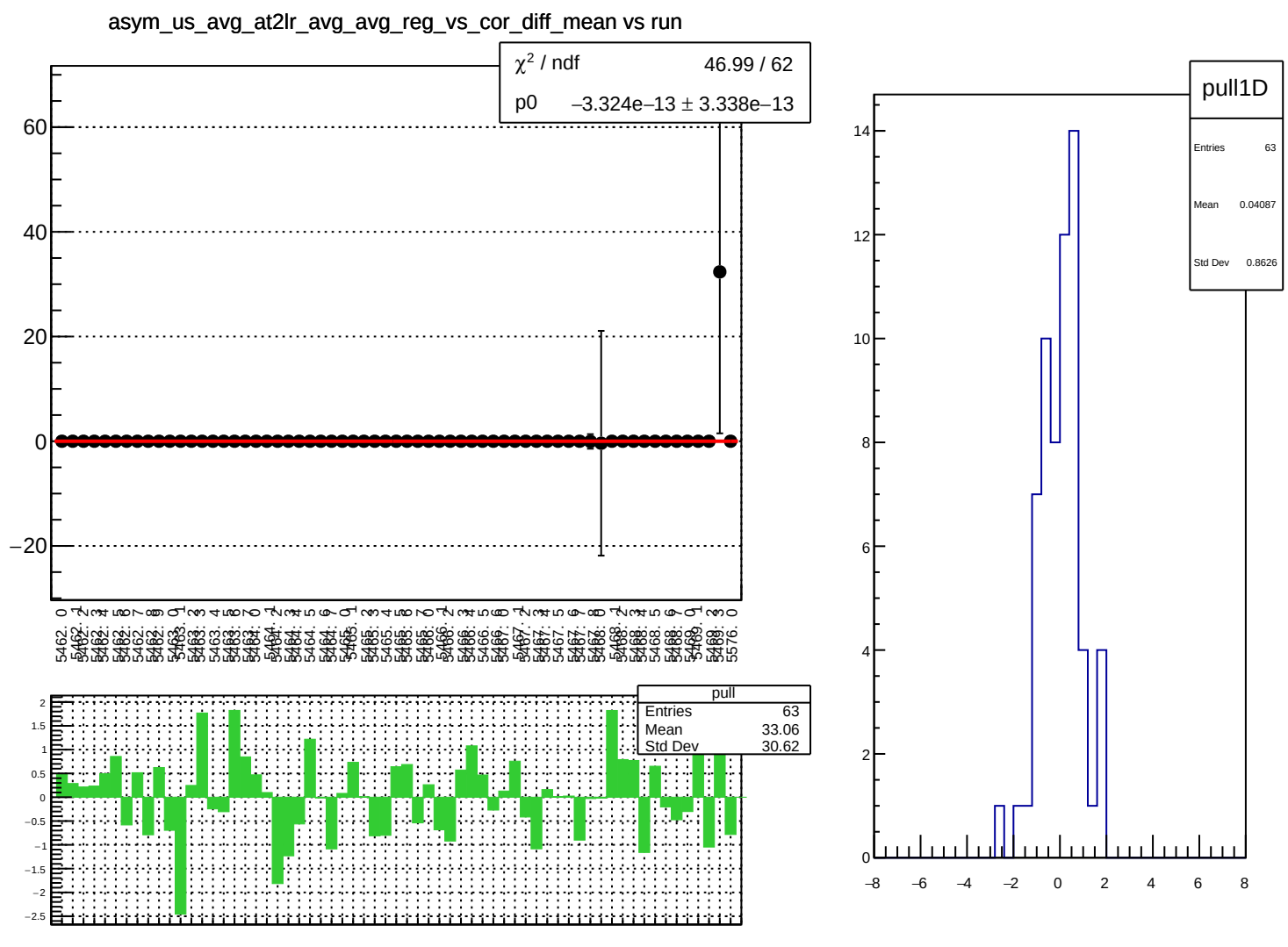

pull1D
Entries 63
Mean −0.0008071
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

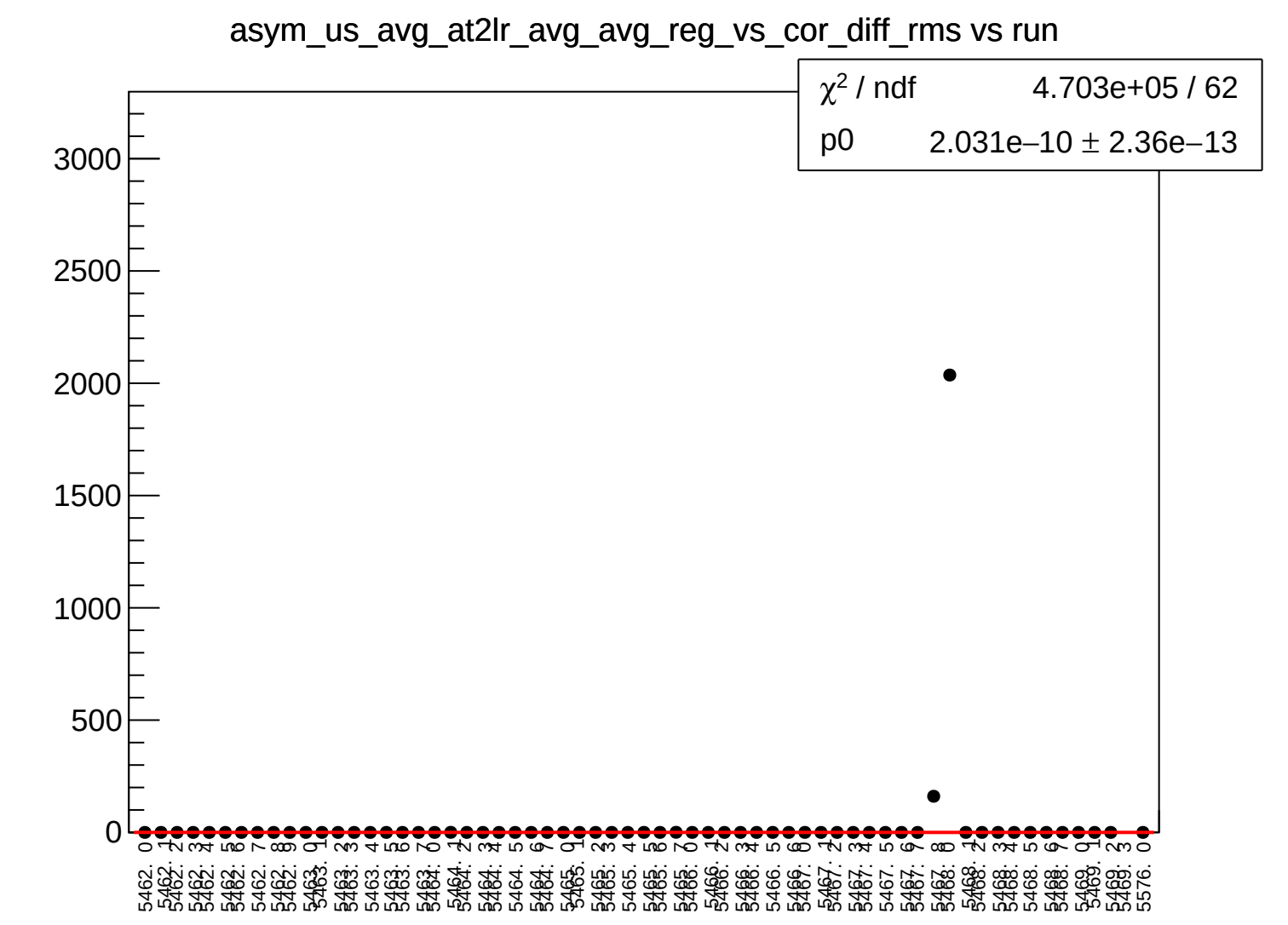

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4905 / 62
p0 7227 ± 6.581
8000
7500
7000
6500
6000
5500
5000

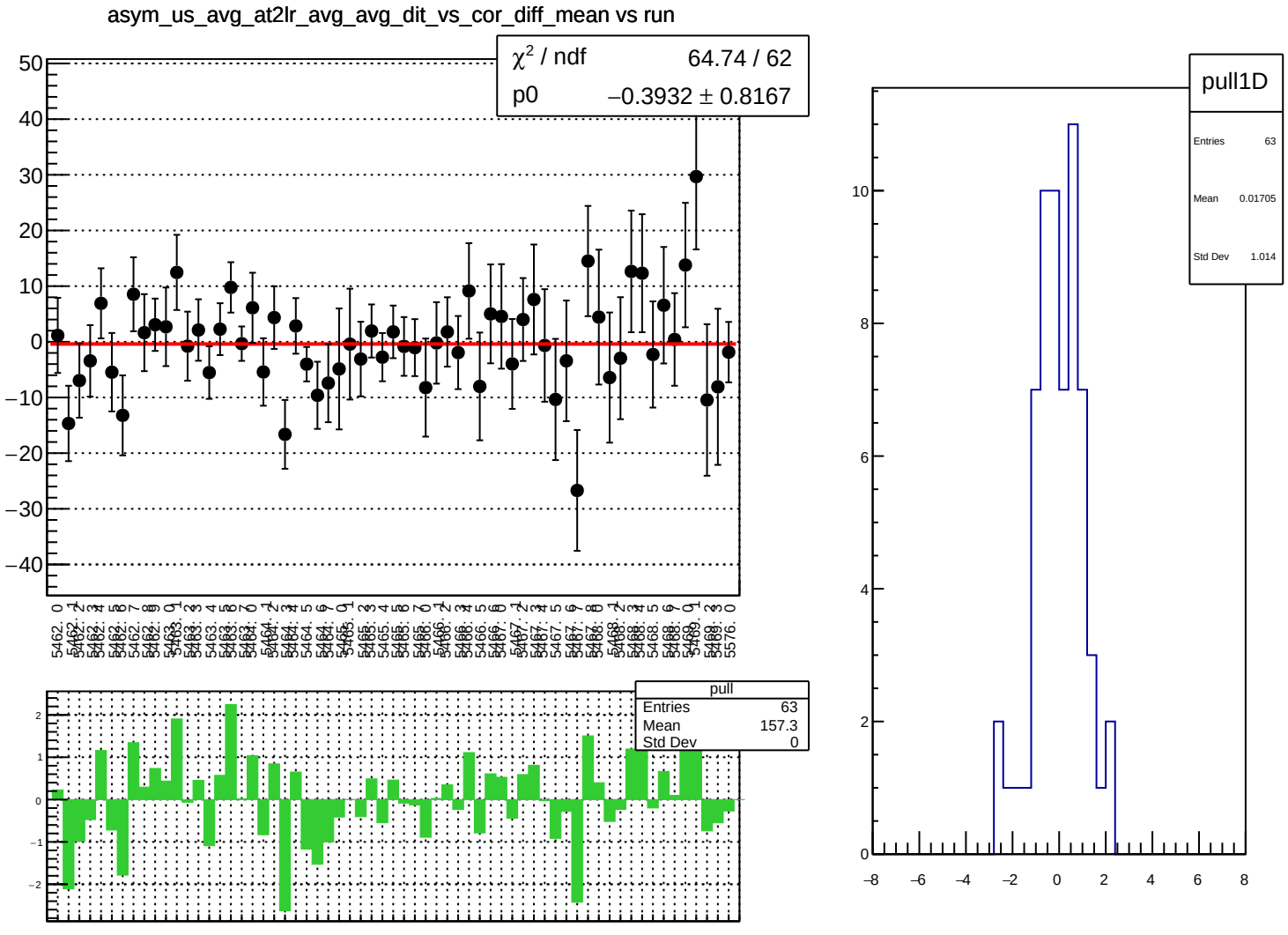

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 62.43 / 60
p0 8652 ± 8957
200
100
0
−100
−200
−300
pull
Entries 61
Mean 124.1
Std Dev 0
2
1
0
−1
−2

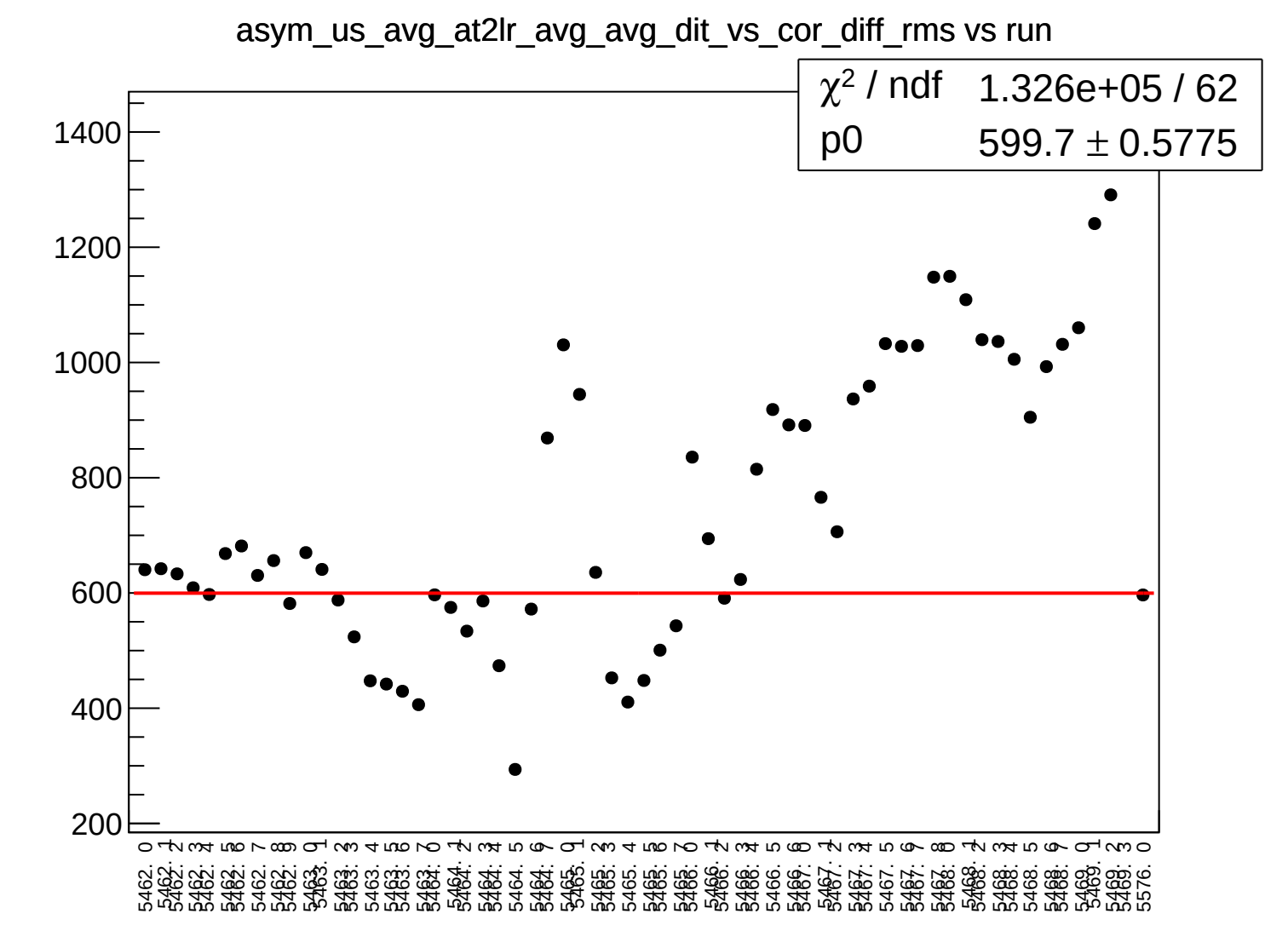

pull1D
Entries 61
Mean −0.02085
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

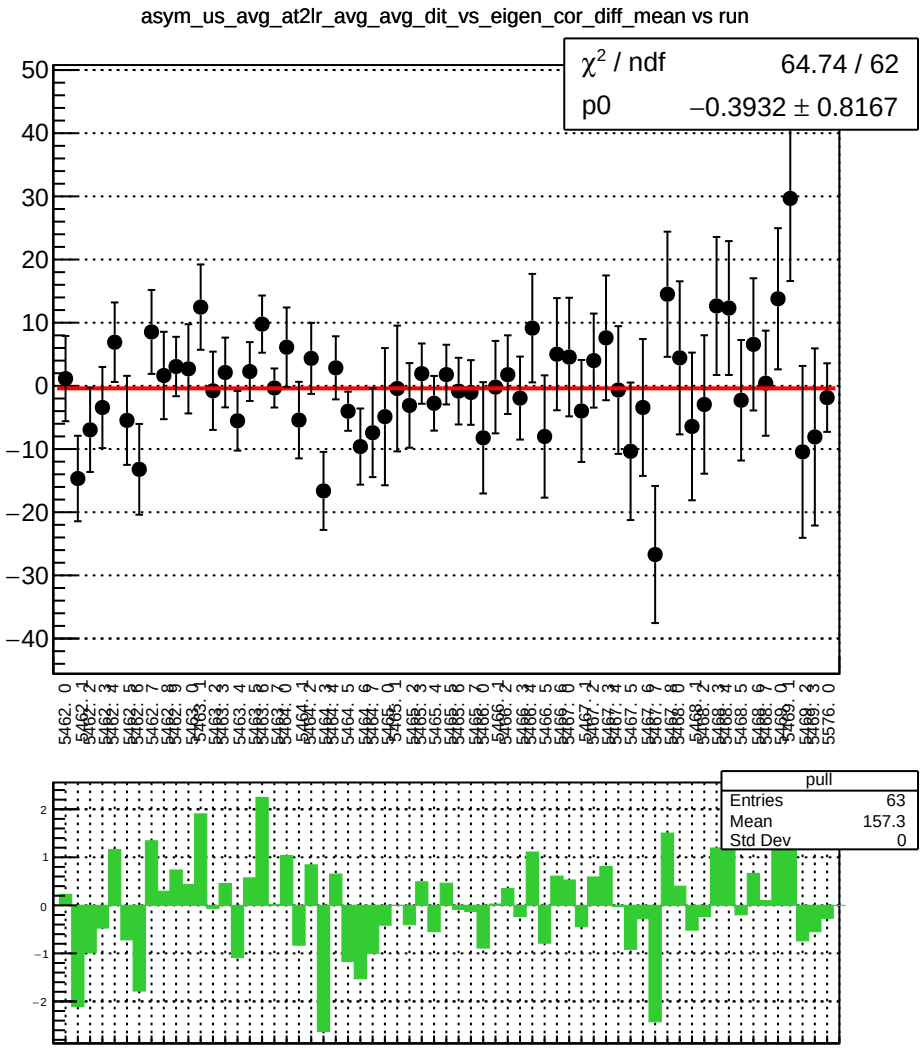

asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ^2 / ndf 4.059e+04 / 62
p0 6851 ± 6.333
100
80
60
40
20

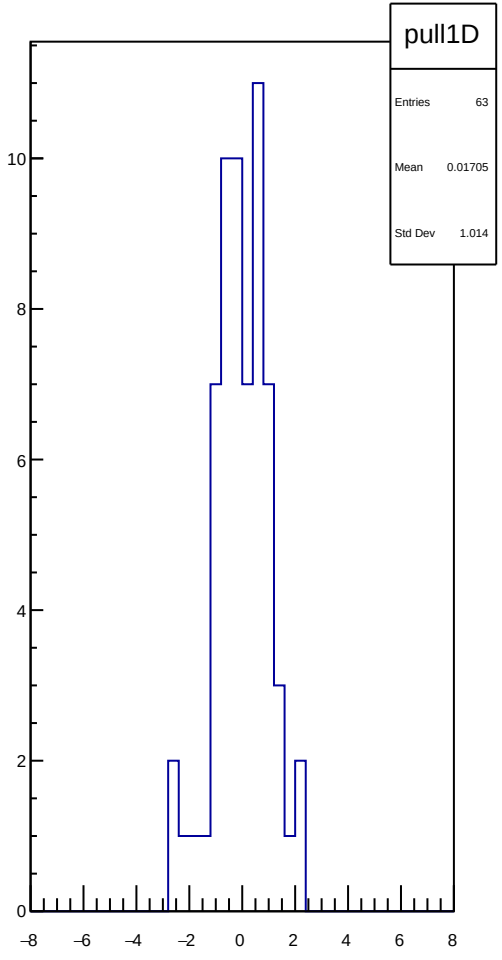

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.99 / 62
p0 −3.324e−13 ± 3.338e−13
pull
Entries 63
Mean 33.06
Std Dev 30.62
pull1D
Entries 63
Mean 0.04087
Std Dev 0.8626

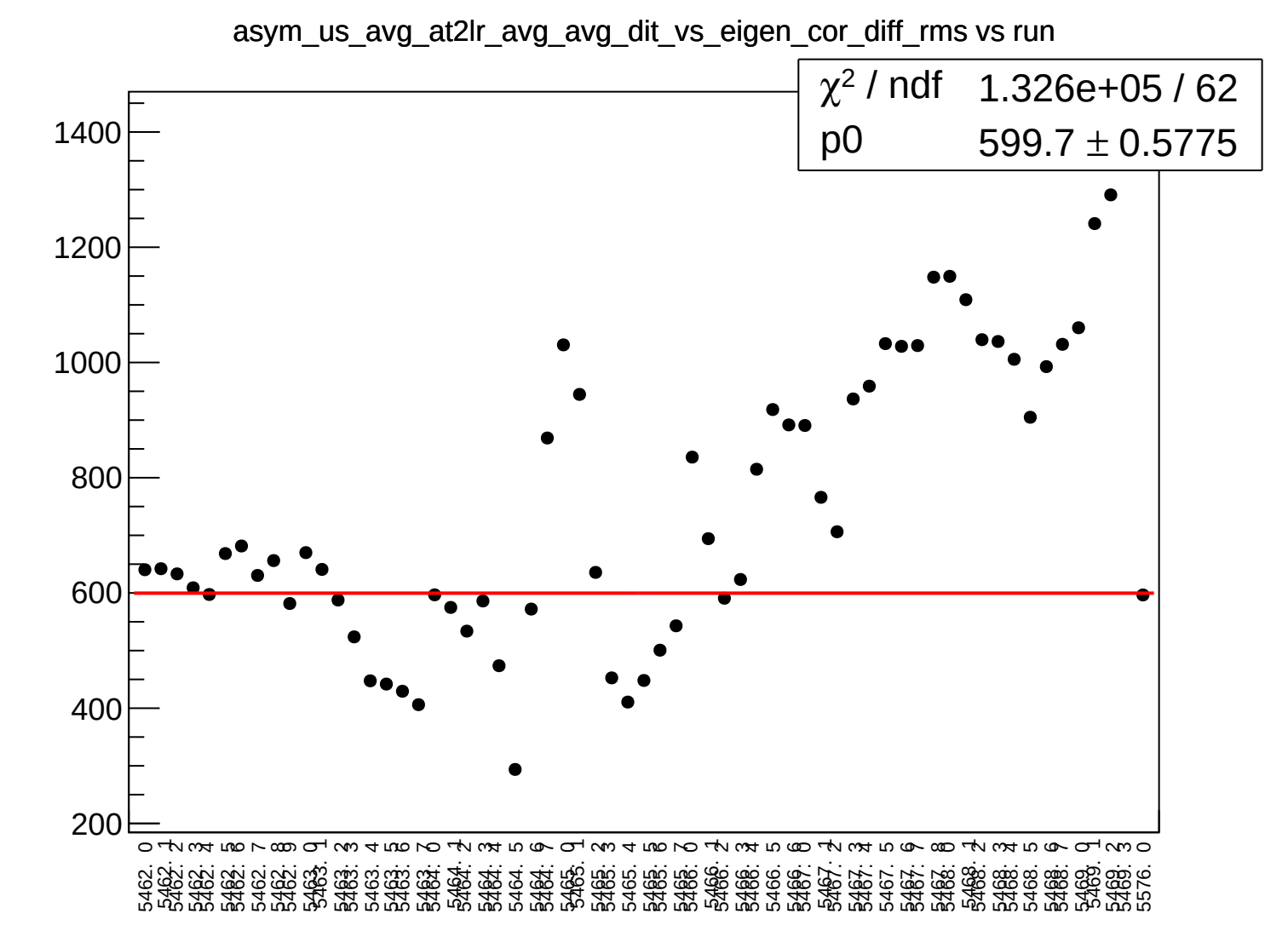

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.703e+05 / 62
p0 2.031e−10 ± 2.36e−13
3000
2500
2000
1500
1000
500
0

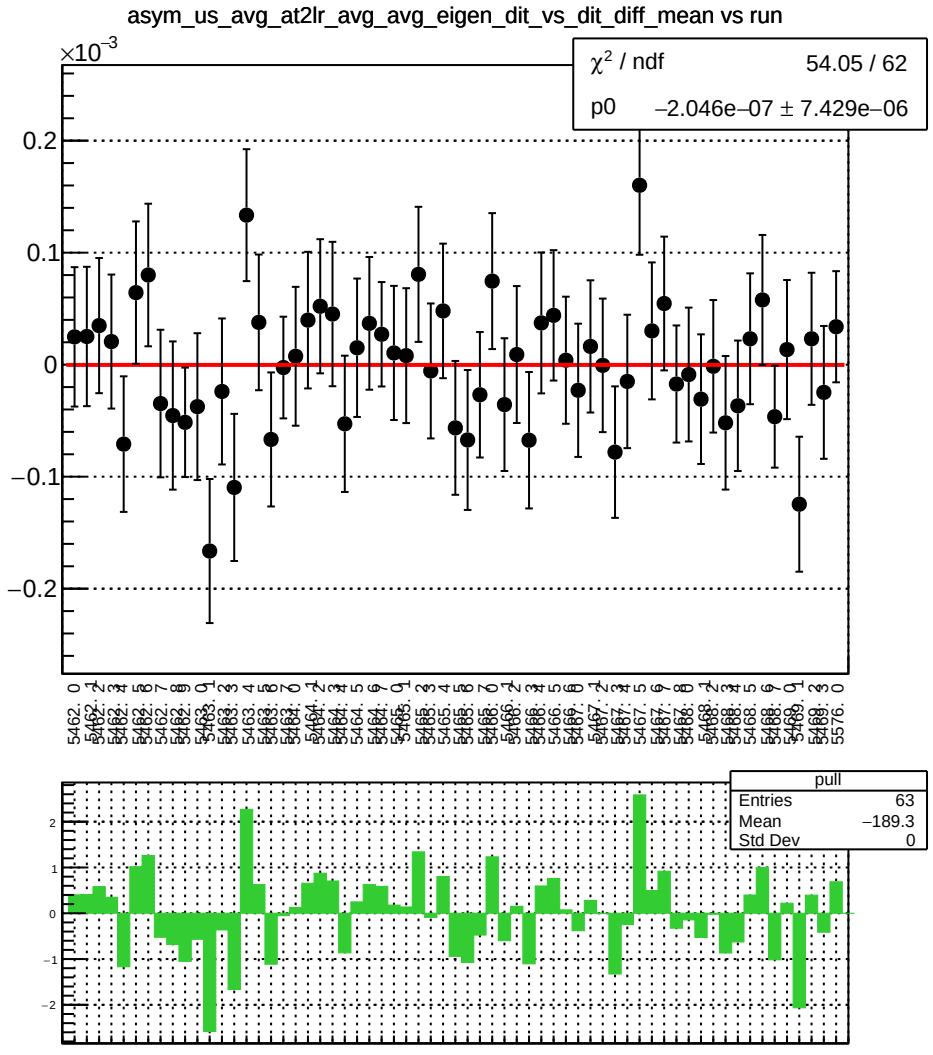

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.74 / 62
p0 −0.3932 ± 0.8167
pull
Entries 63
Mean 157.3
Std Dev 0
pull1D
Entries 63
Mean 0.01705
Std Dev 1.014

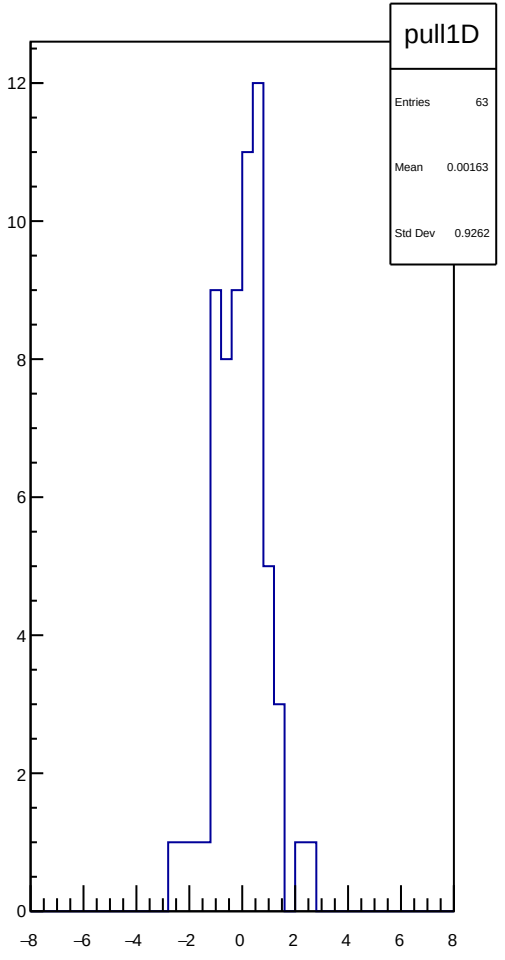

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.326e+05 / 62
p0 599.7 ± 0.5775
1400
1200
1000
800
600
400
200

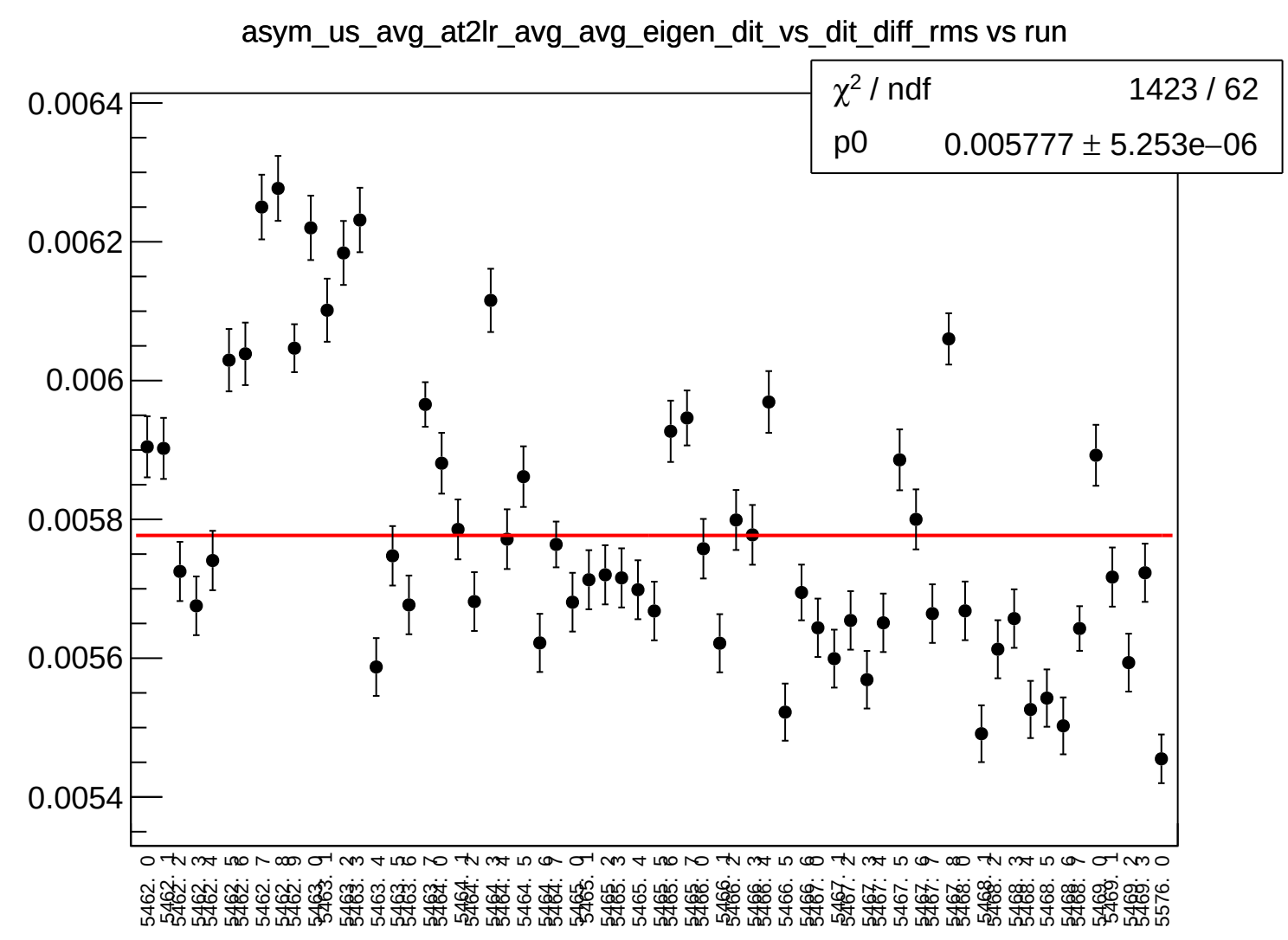

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.74 / 62
p0 −0.3932 ± 0.8167
pull
Entries 63
Mean 157.3
Std Dev 0

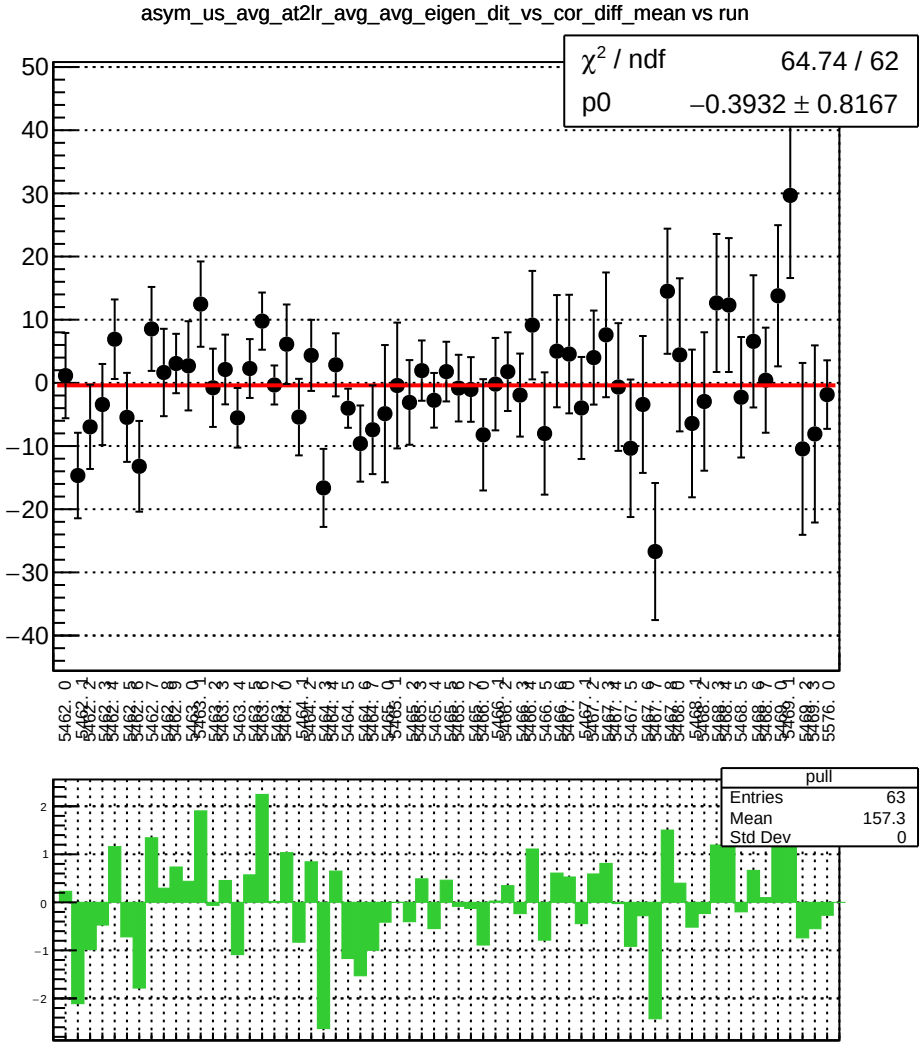

pull1D
Entries 63
Mean 0.01705
Std Dev 1.014

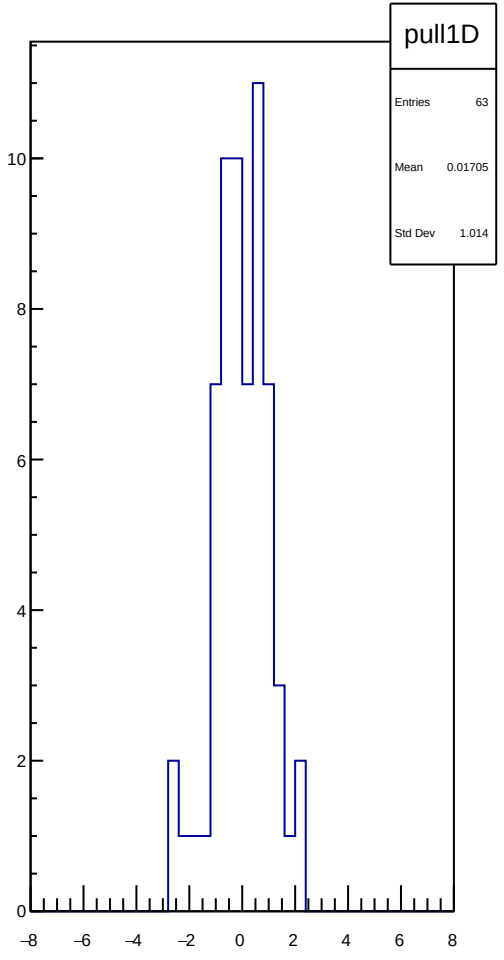

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.326e+05 / 62
p0 599.7 ± 0.5775
1400
1200
1000
800
600
400
200

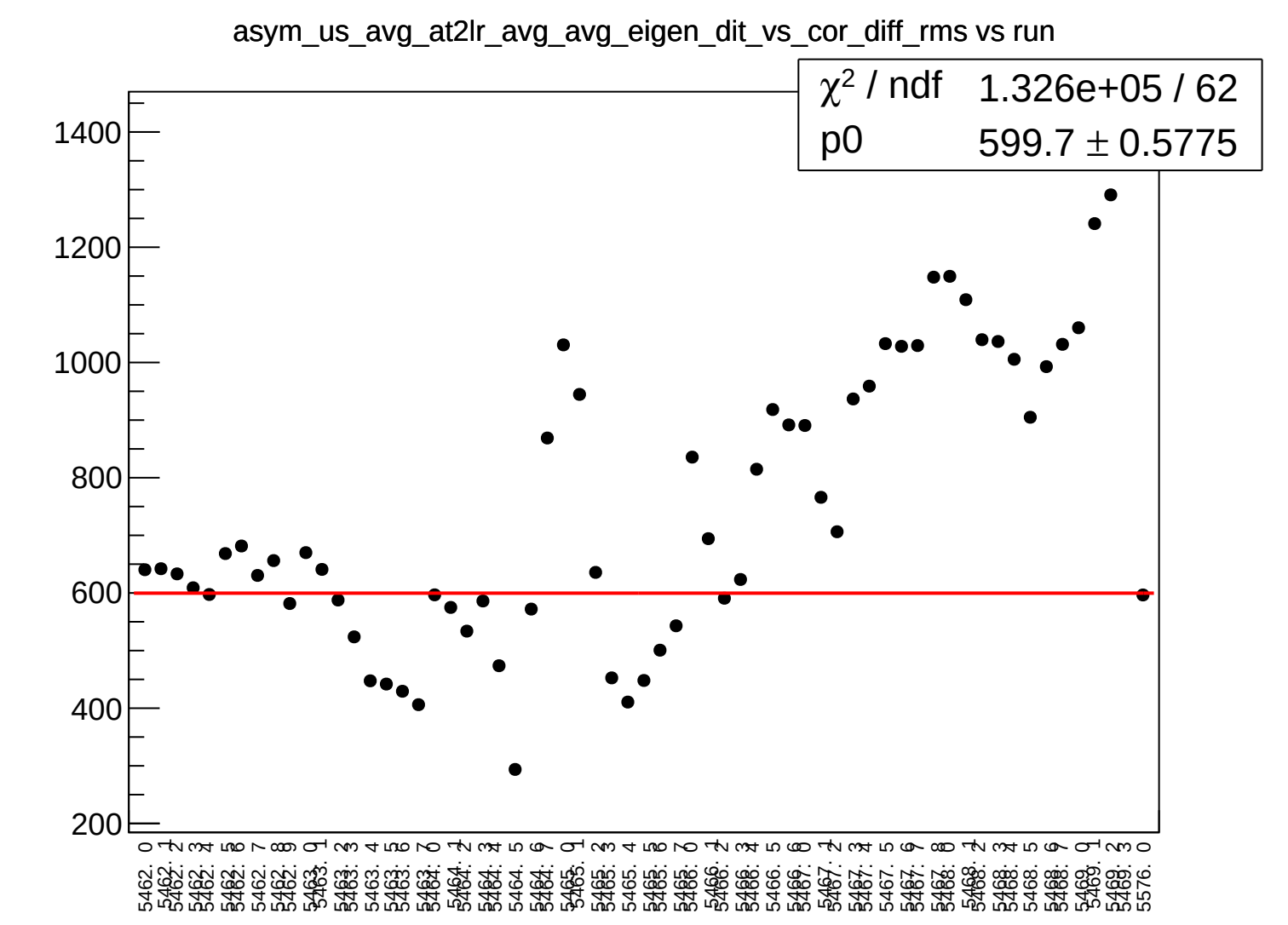

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.05 / 62
p0 −2.046e−07 ± 7.429e−06
pull
Entries 63
Mean −189.3
Std Dev 0

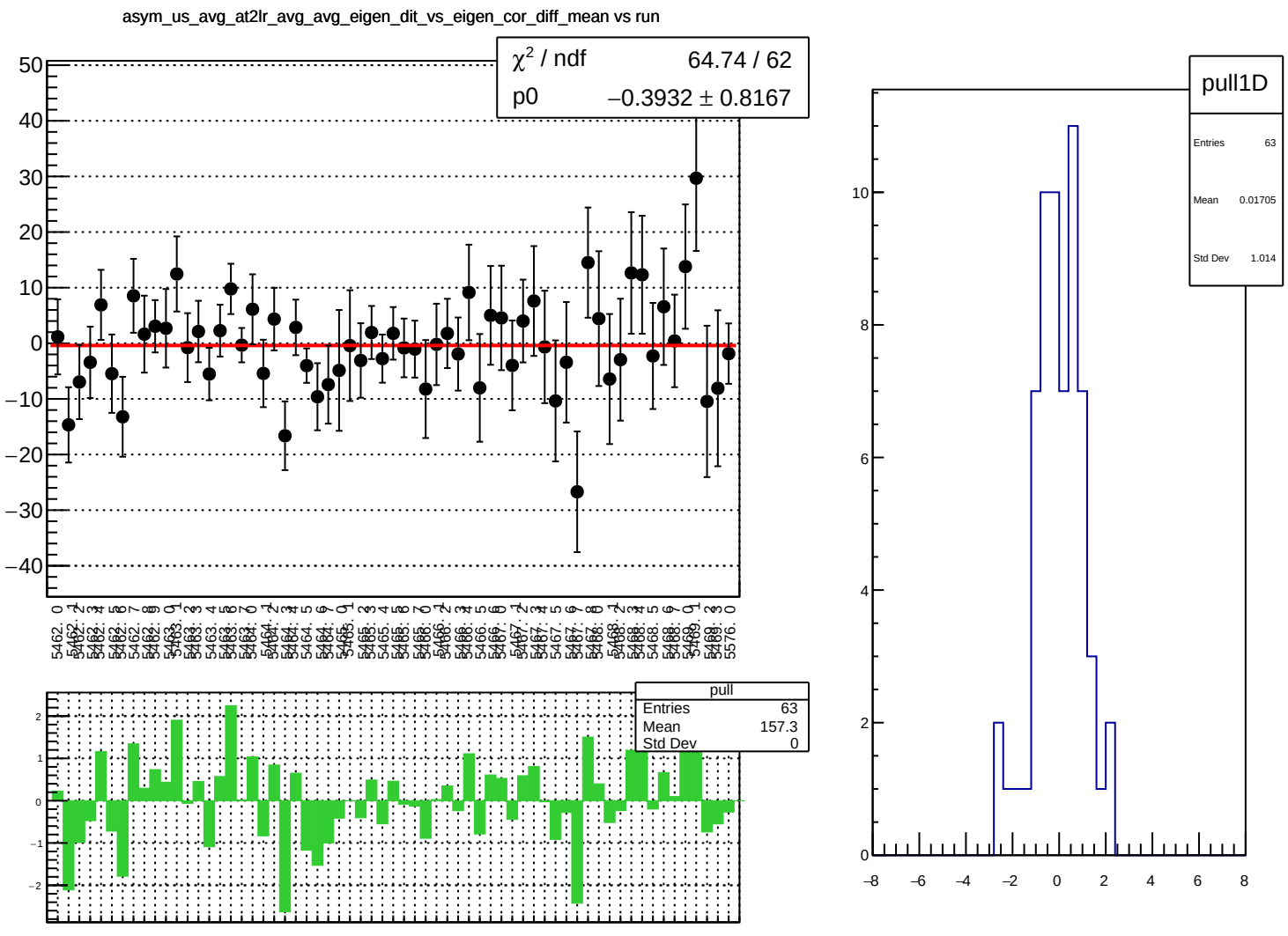

pull1D
Entries 63
Mean 0.00163
Std Dev 0.9262

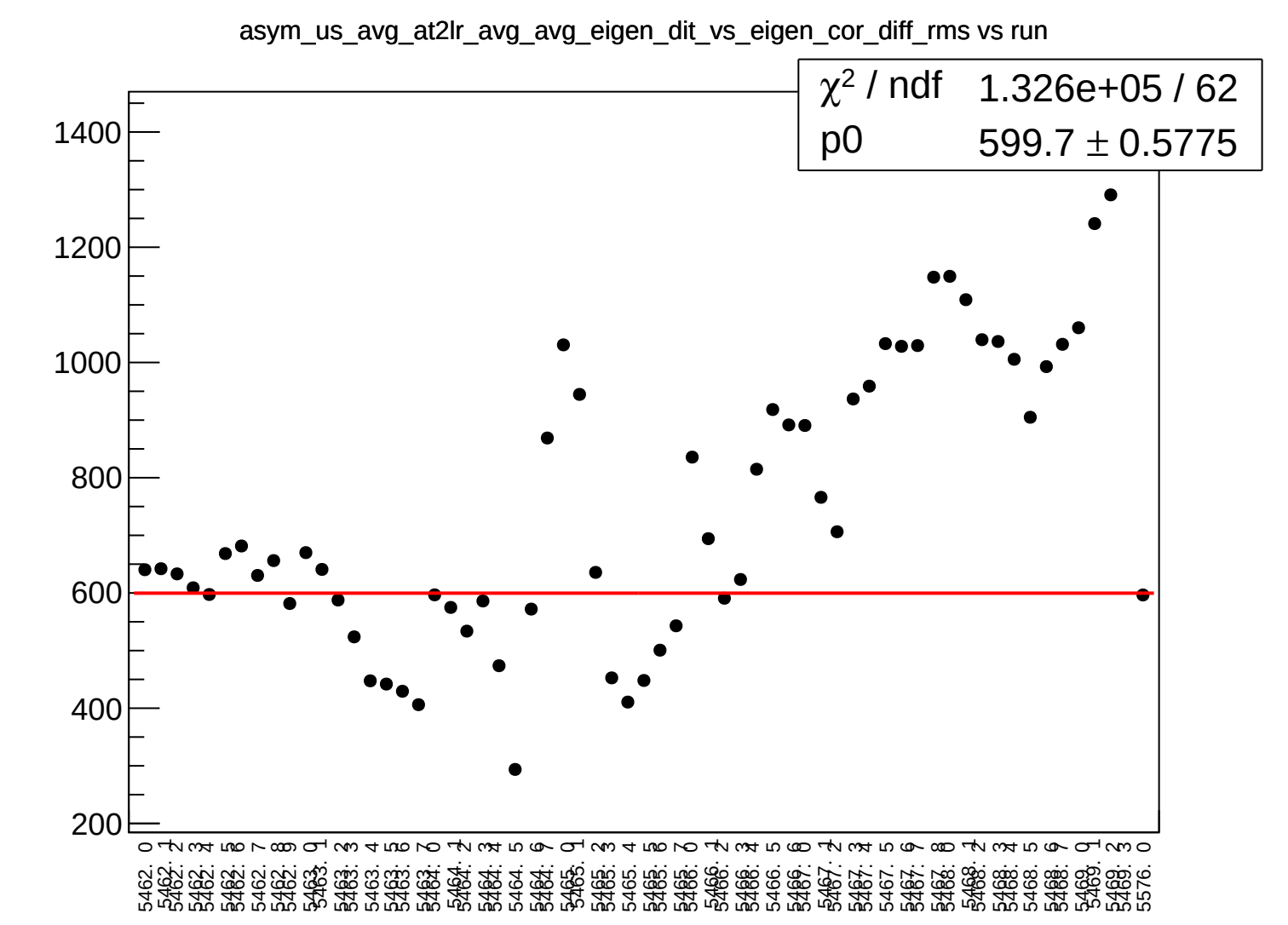

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1423 / 62
p0 0.005777 ± 5.253e−06
0.0064
0.0062
0.006
0.0058
0.0056
0.0054

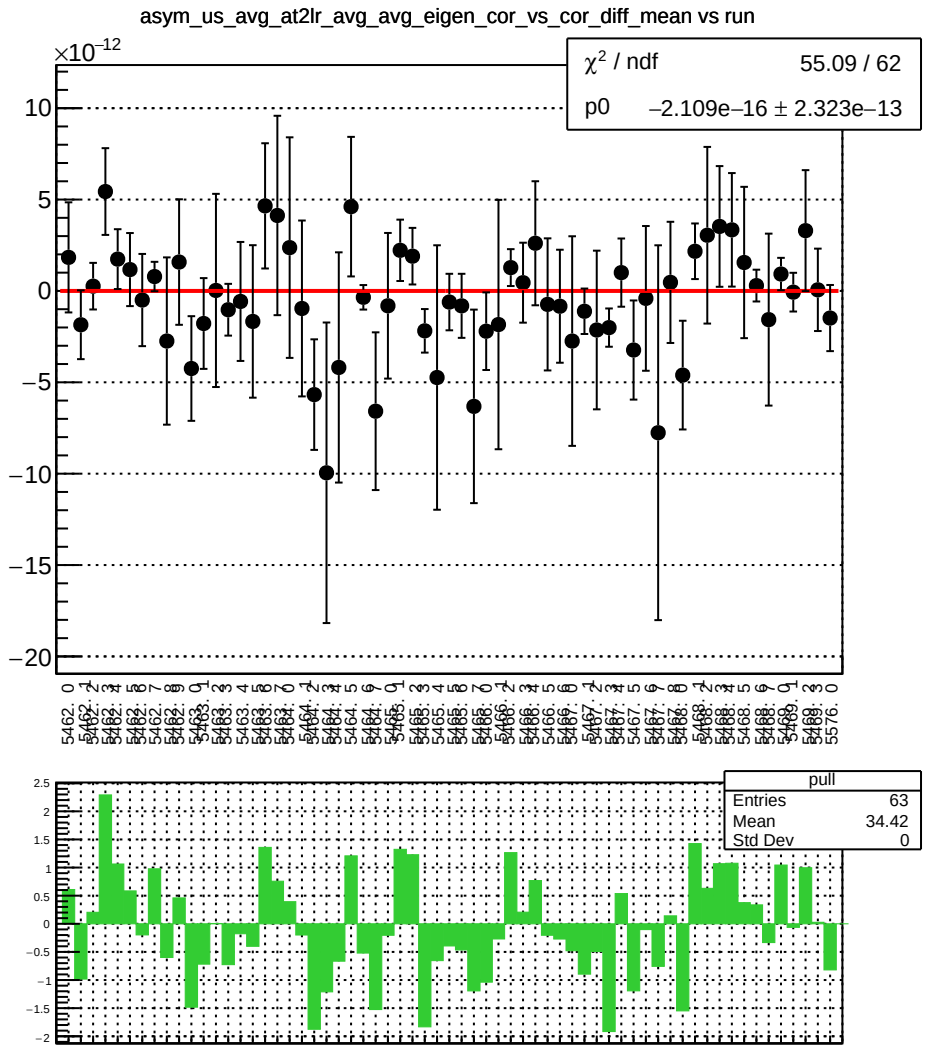

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.74 / 62
p0 −0.3932 ± 0.8167
pull
Entries 63
Mean 157.3
Std Dev 0

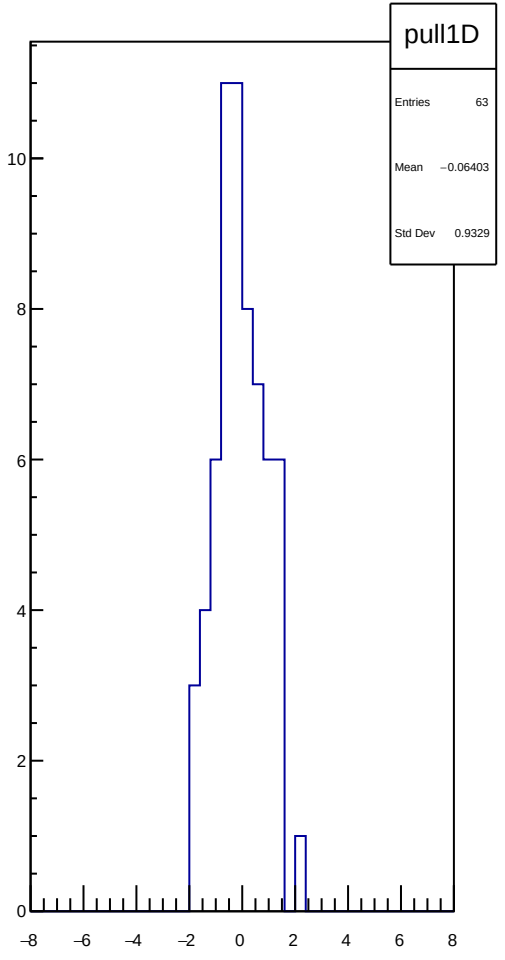

pull1D
Entries 63
Mean 0.01705
Std Dev 1.014

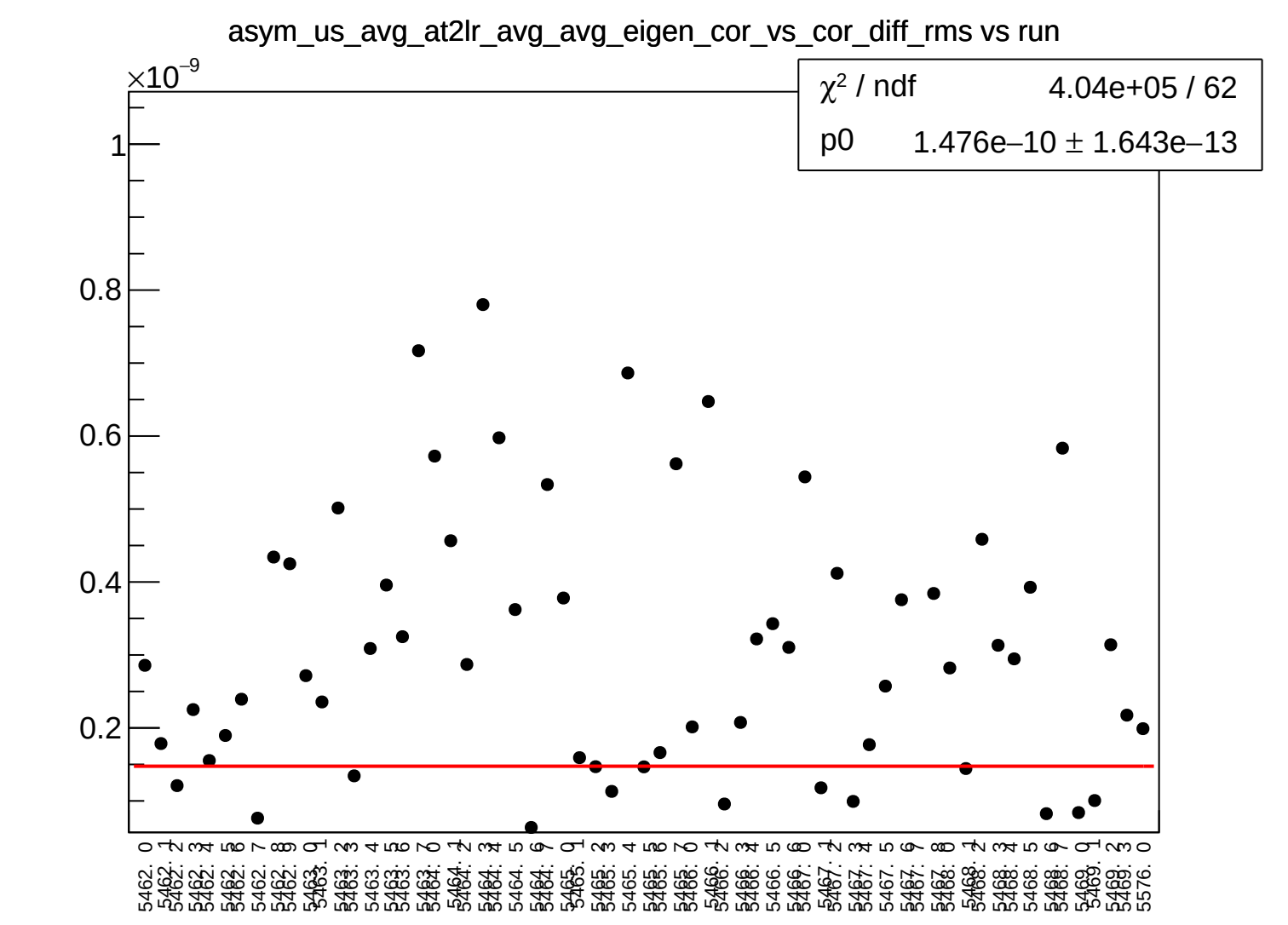

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.326e+05 / 62
p0 599.7 ± 0.5775
1400
1200
1000
800
600
400
200

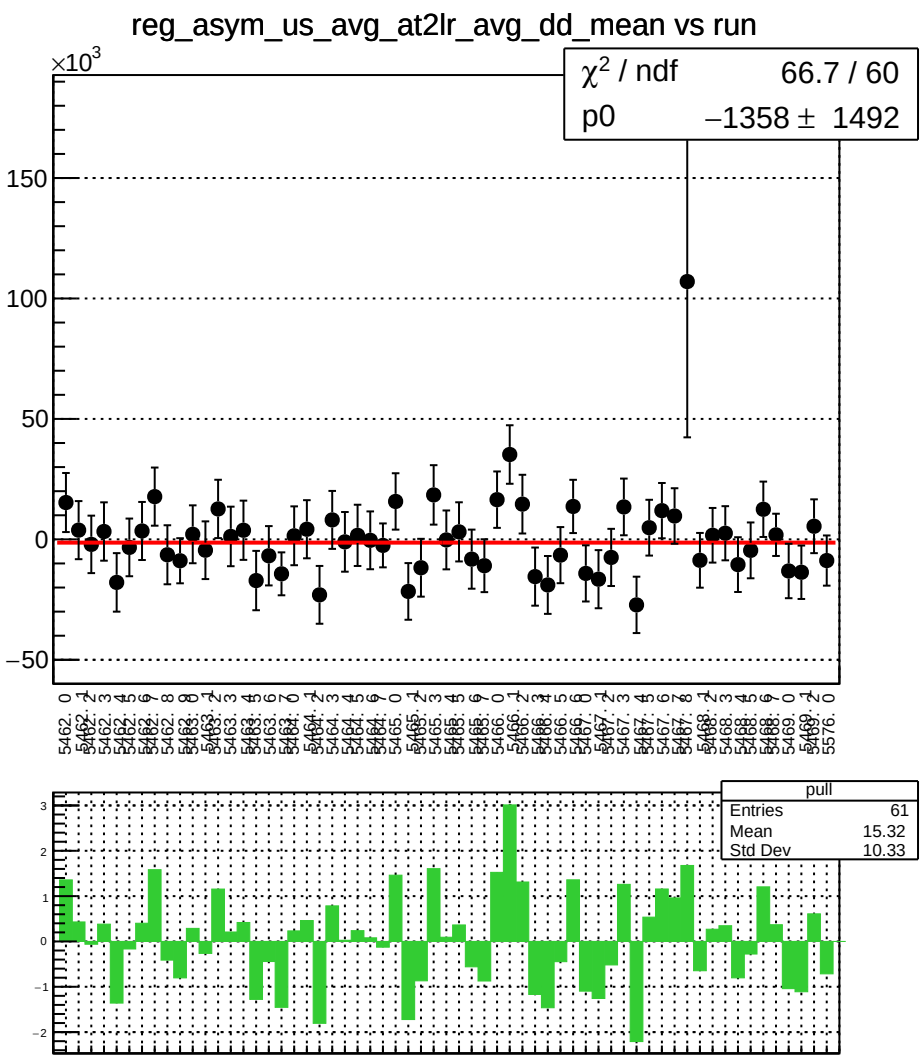

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.74 / 62
p0 −0.3932 ± 0.8167
pull
Entries 63
Mean 157.3
Std Dev 0
pull1D
Entries 63
Mean 0.01705
Std Dev 1.014

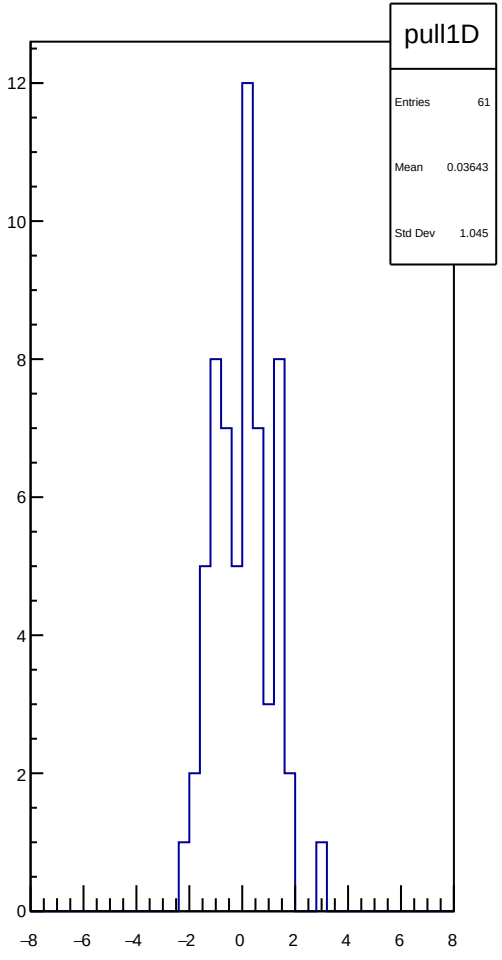

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.326e+05 / 62
p0 599.7 ± 0.5775
1400
1200
1000
800
600
400
200

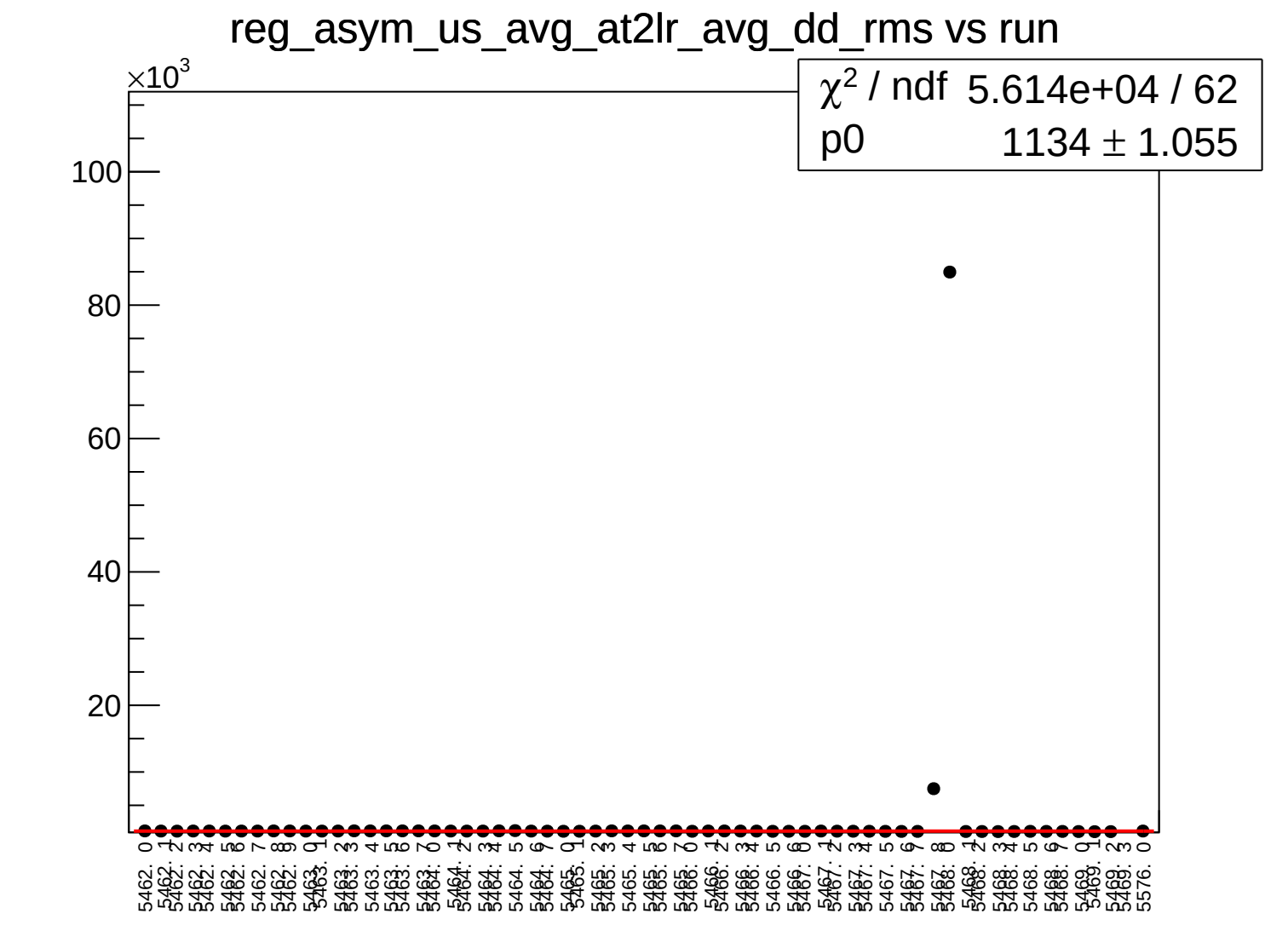

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.09 / 62
p0 −2.109e−16 ± 2.323e−13
pull
Entries 63
Mean 34.42
Std Dev 0

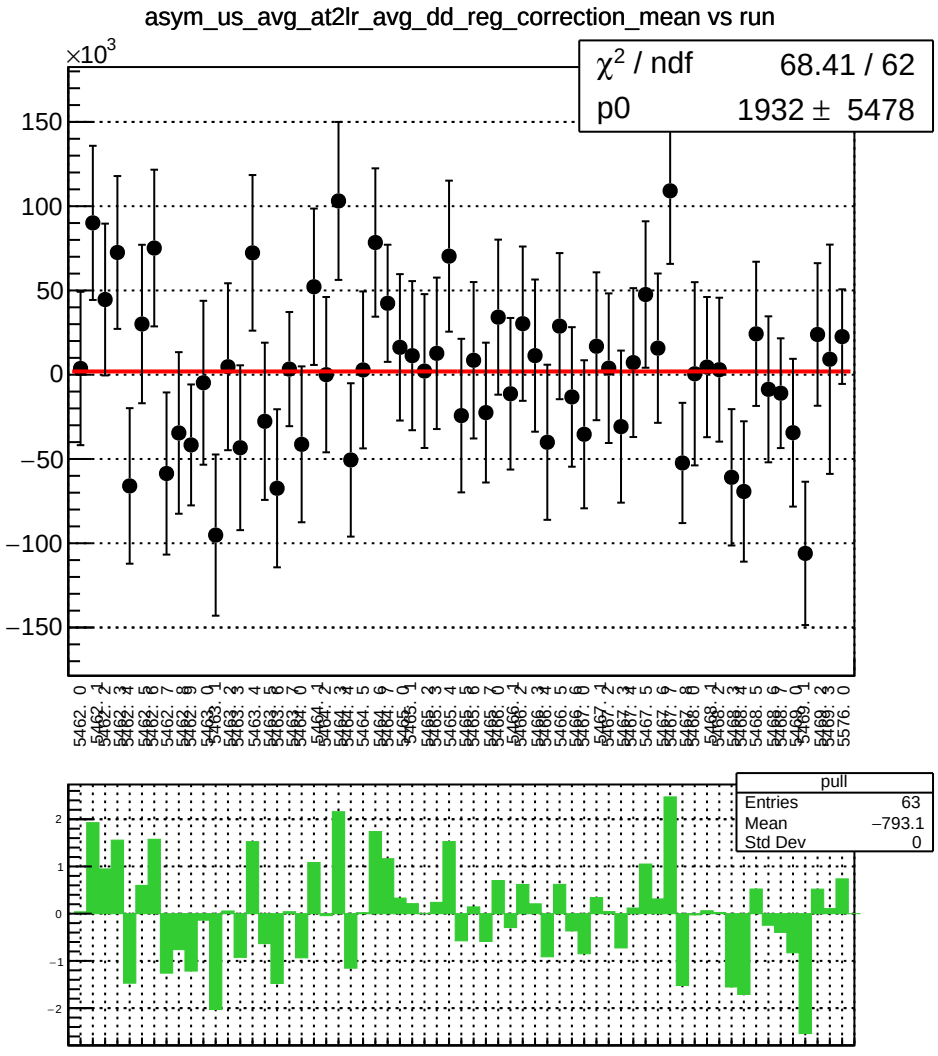

pull1D
Entries 63
Mean −0.06403
Std Dev 0.9329

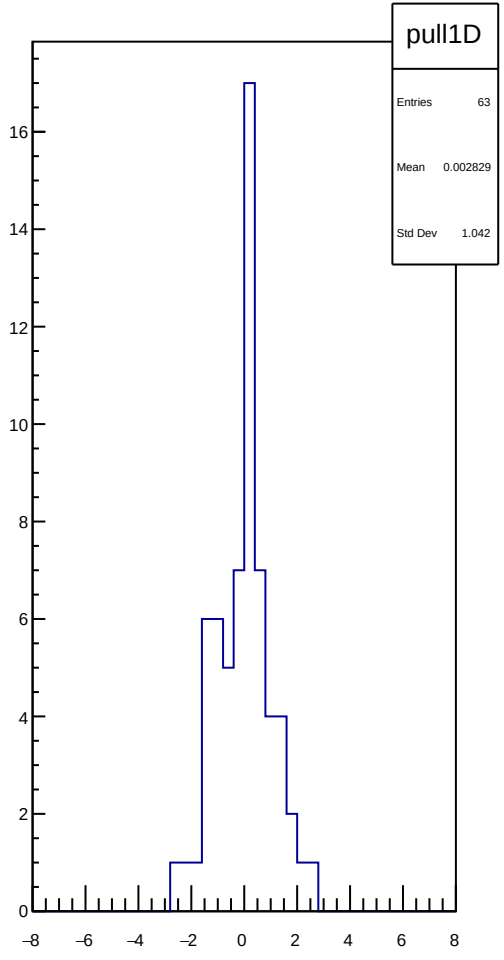

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.04e+05 / 62
p0 1.476e−10 ± 1.643e−13
1
0.8
0.6
0.4
0.2

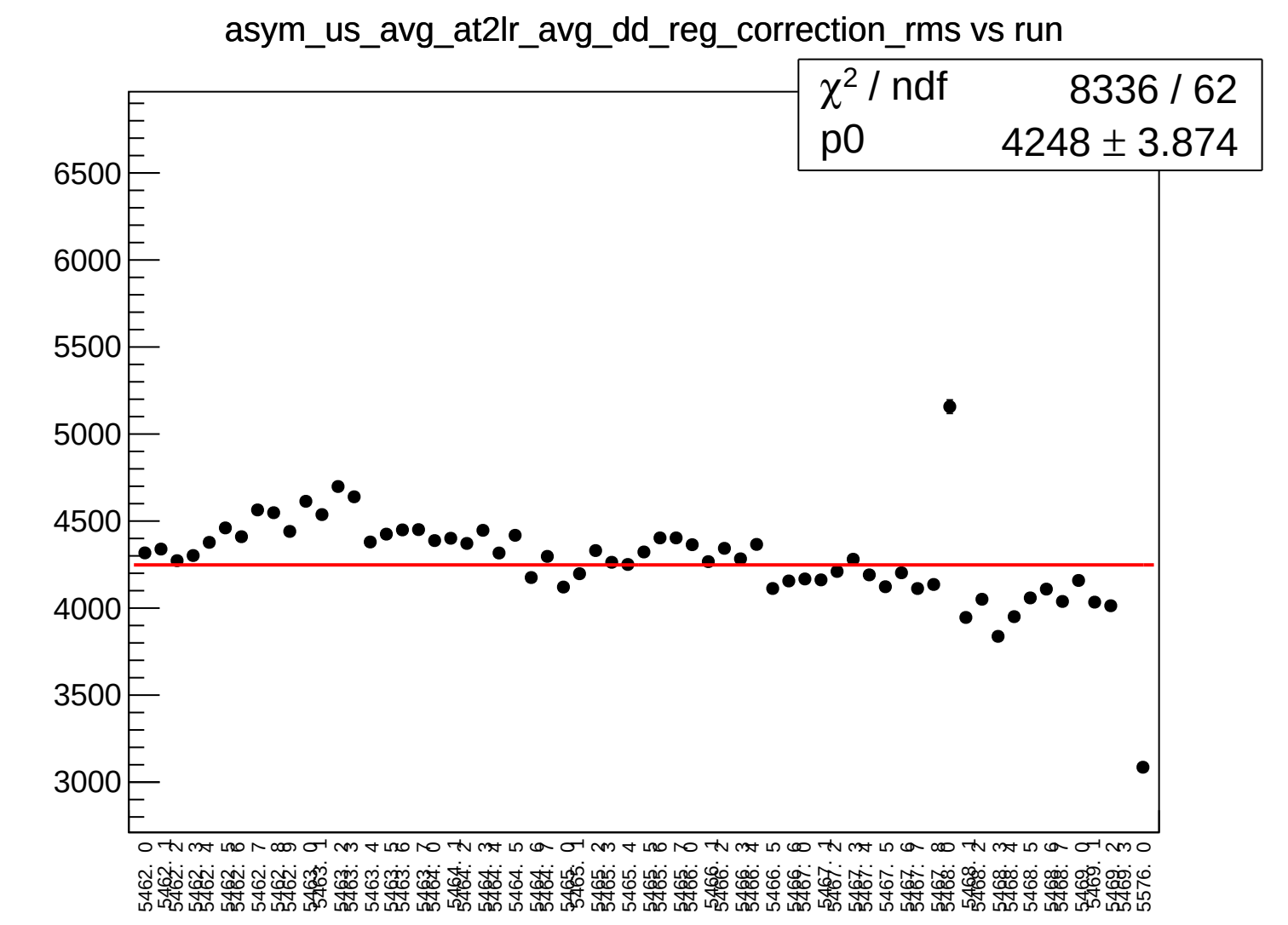

reg_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 66.7 / 60
p0 −1358 ± 1492
150
100
50
0
−50
pull
Entries 61
Mean 15.32
Std Dev 10.33
3
2
1
0
−1
−2

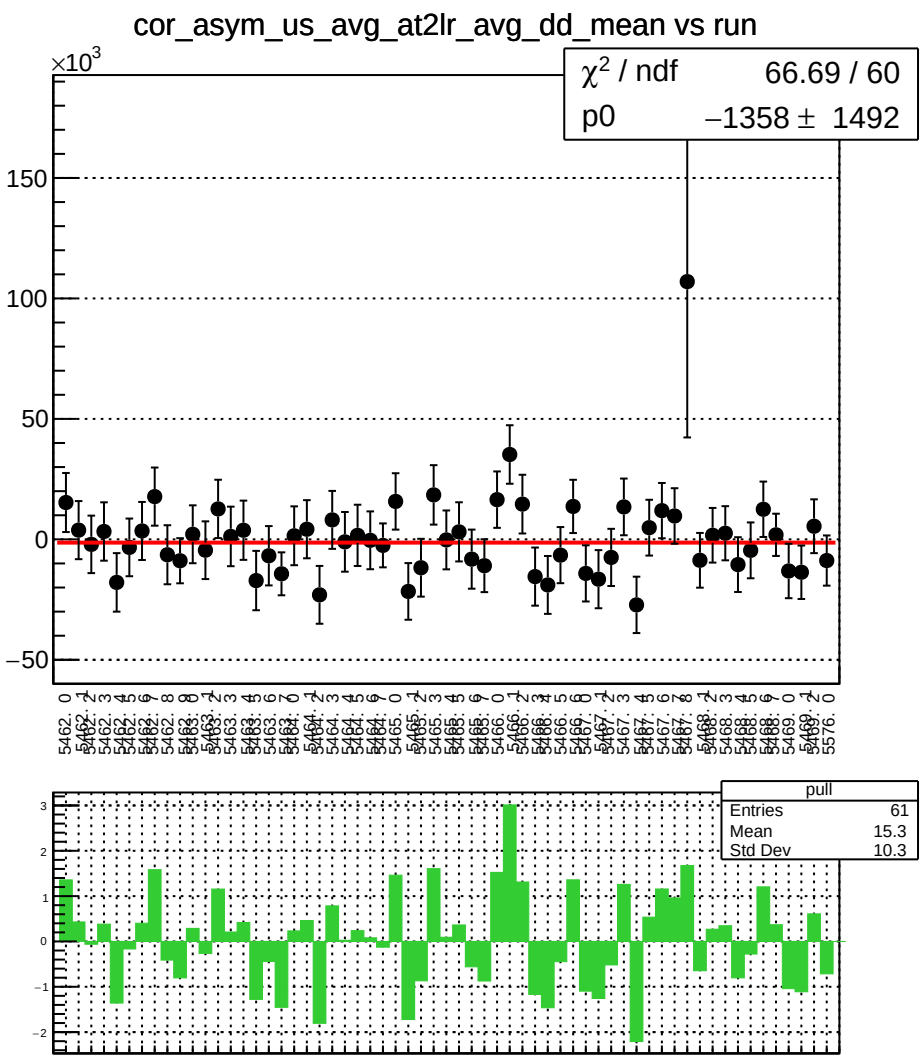

pull1D
Entries 61
Mean 0.03643
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

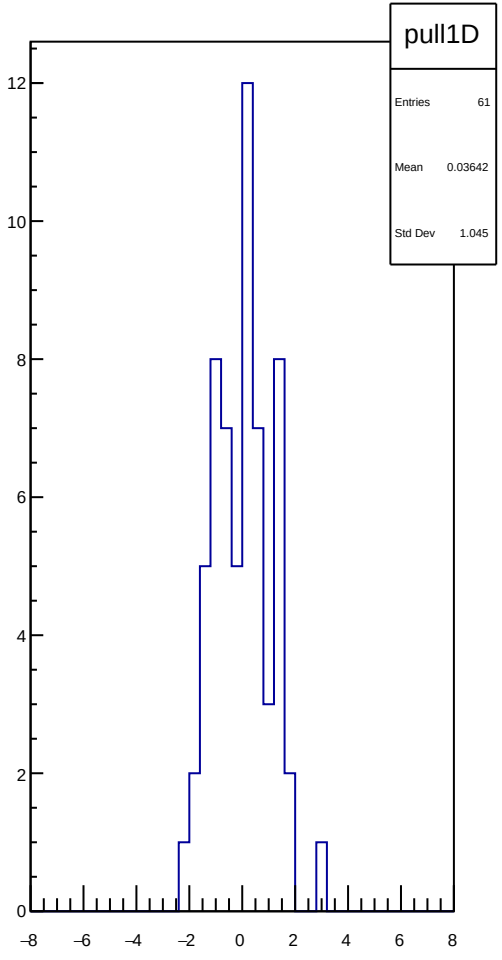

reg_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ^2 / ndf 5.614e+04 / 62
p0 1134 ± 1.055
100
80
60
40
20

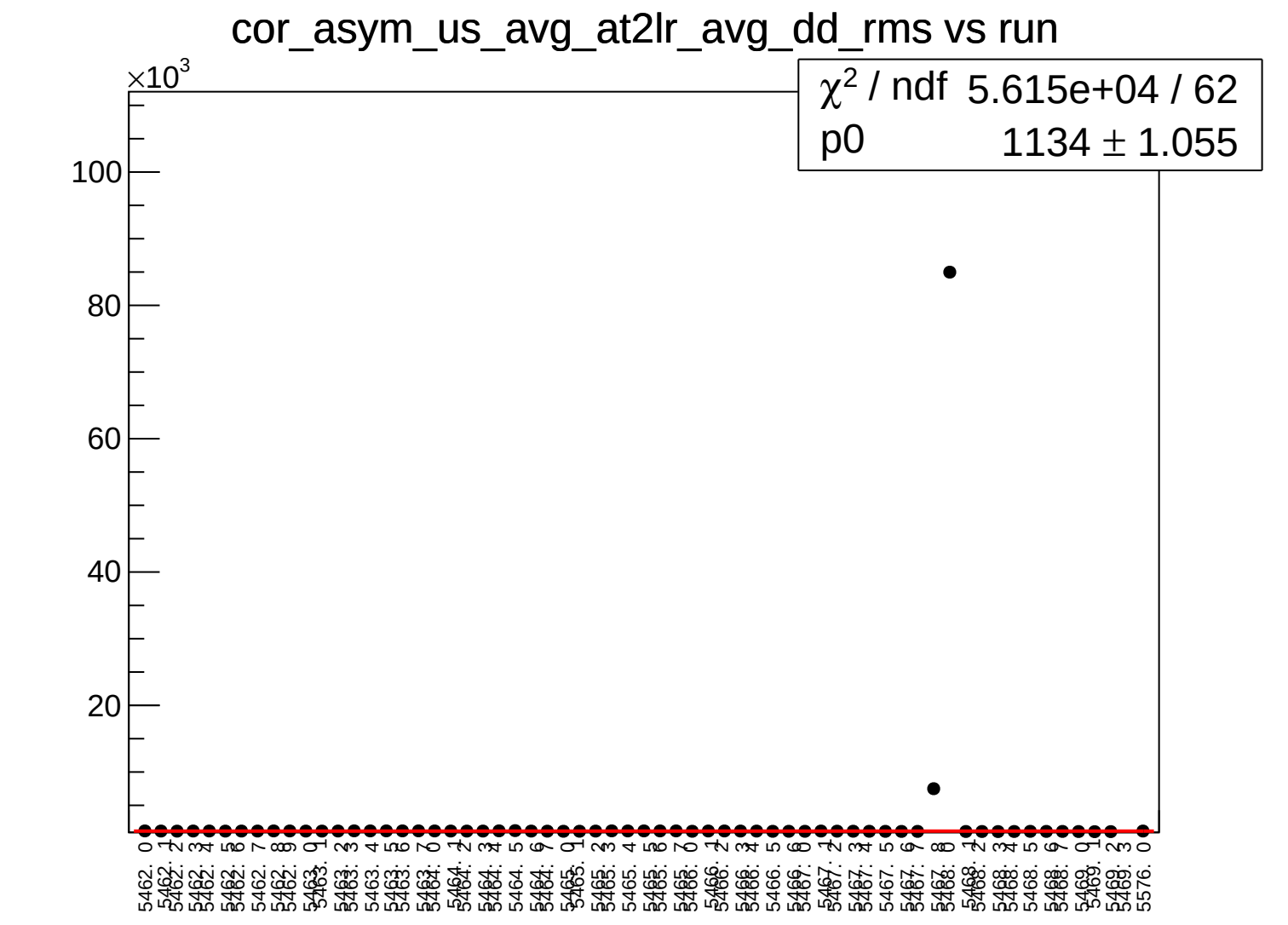

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 68.41 / 62
p0 1932 ± 5478
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −793.1
Std Dev 0
2
1
0
−1
−2

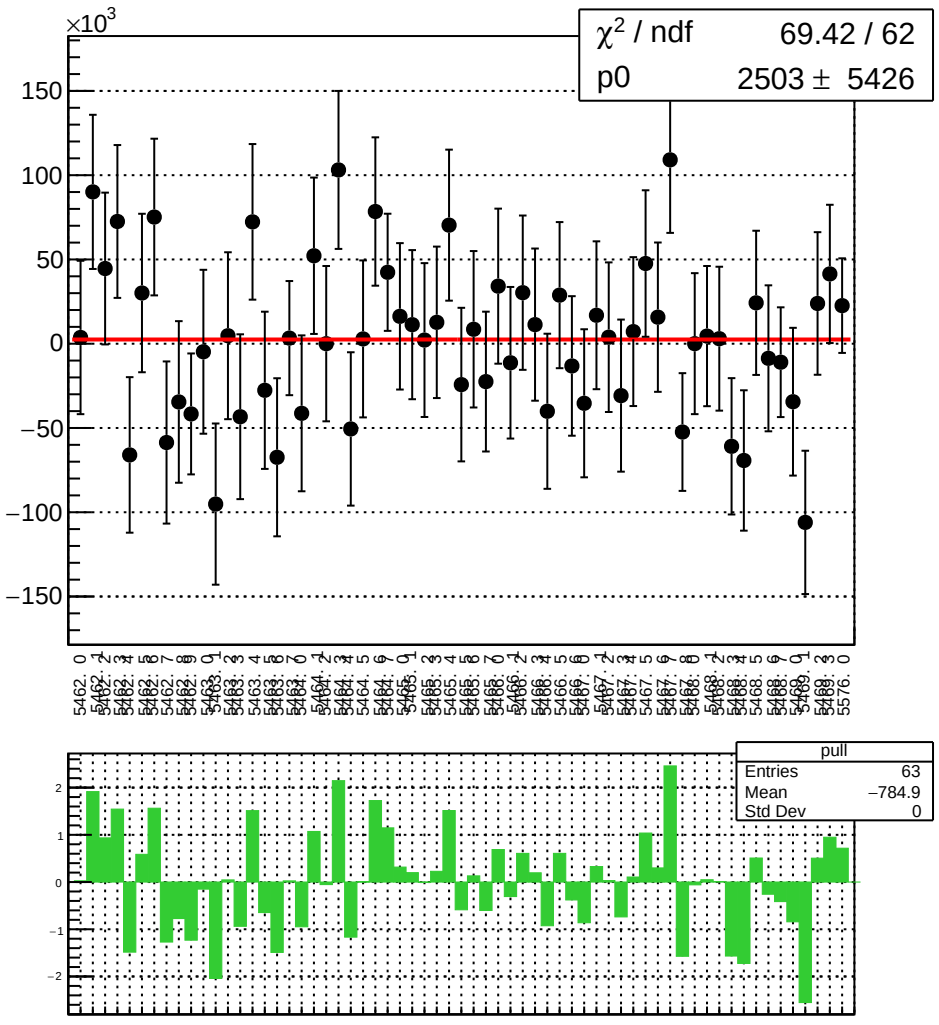

pull1D
Entries 63
Mean 0.002829
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

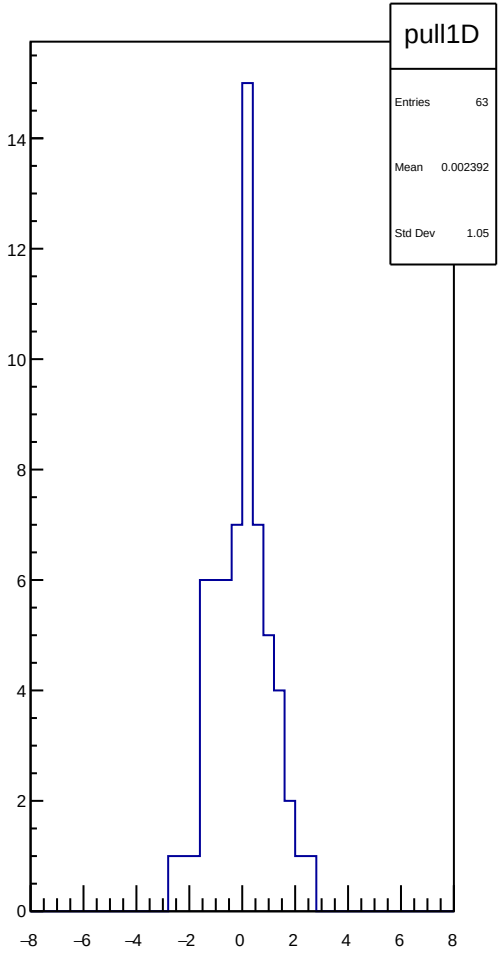

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 8336 / 62
p0 4248 ± 3.874
6500
6000
5500
5000
4500
4000
3500
3000

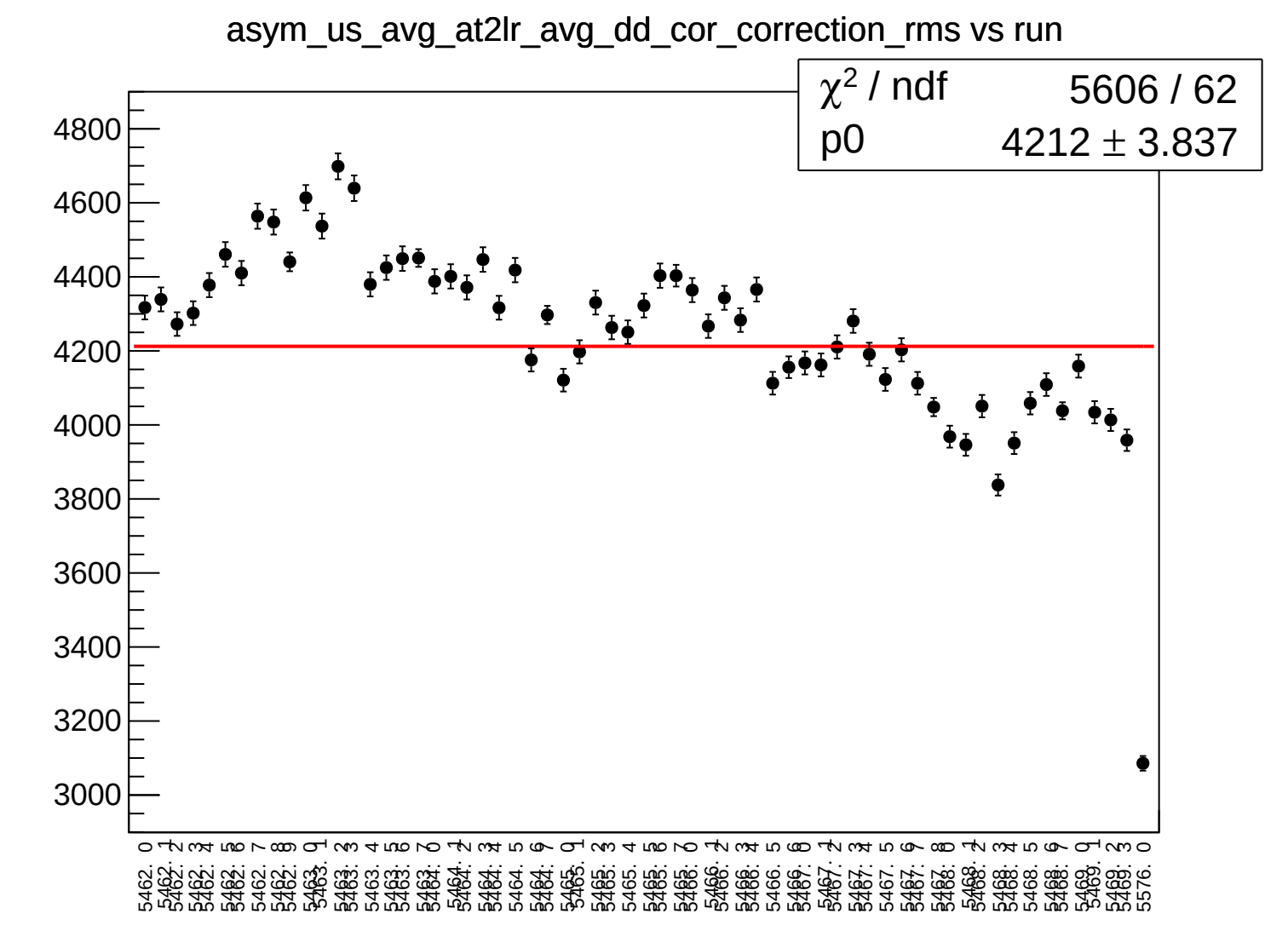

cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 66.69 / 60
p0 −1358 ± 1492
150
100
50
0
−50
pull
Entries 61
Mean 15.3
Std Dev 10.3
3
2
1
0
−1
−2

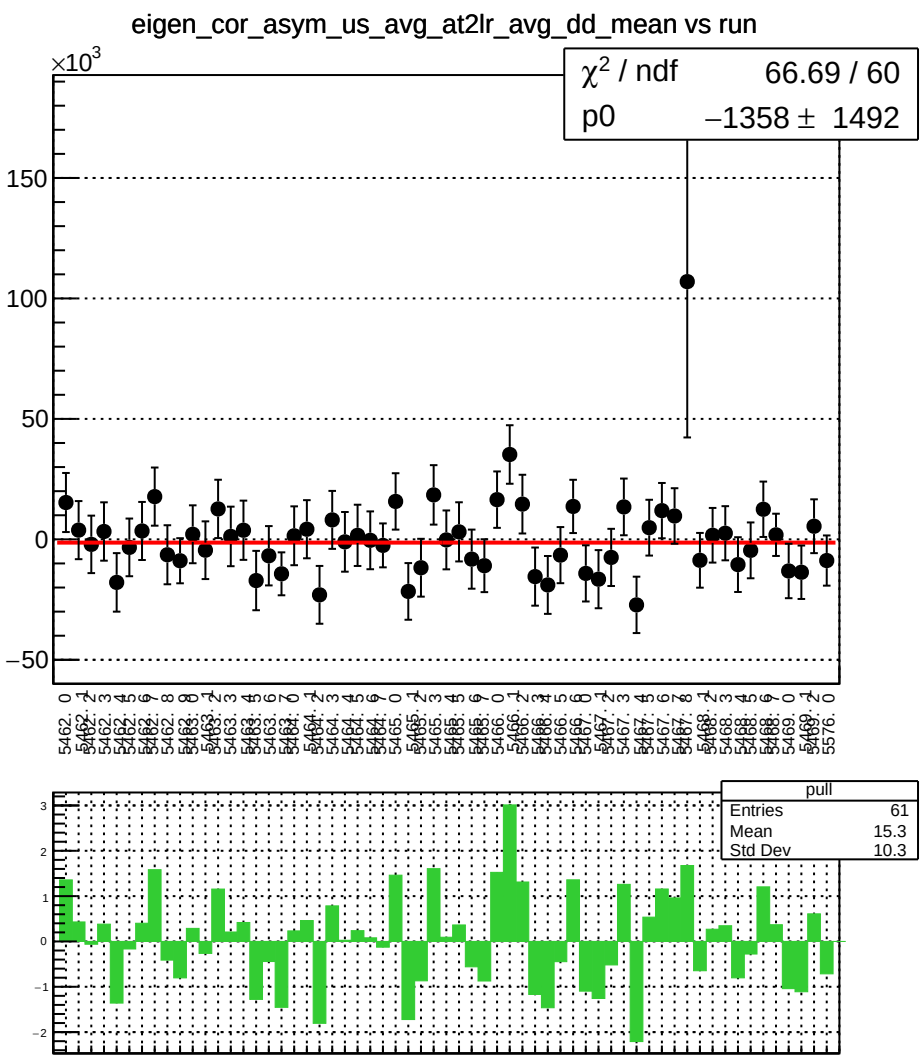

pull1D
Entries 61
Mean 0.03642
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

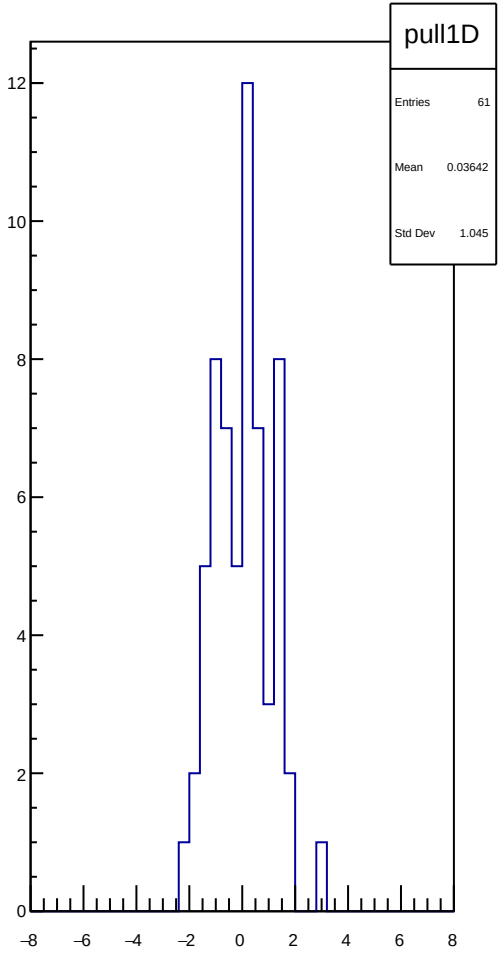

cor_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ^2 / ndf 5.615e+04 / 62
p0 1134 ± 1.055
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

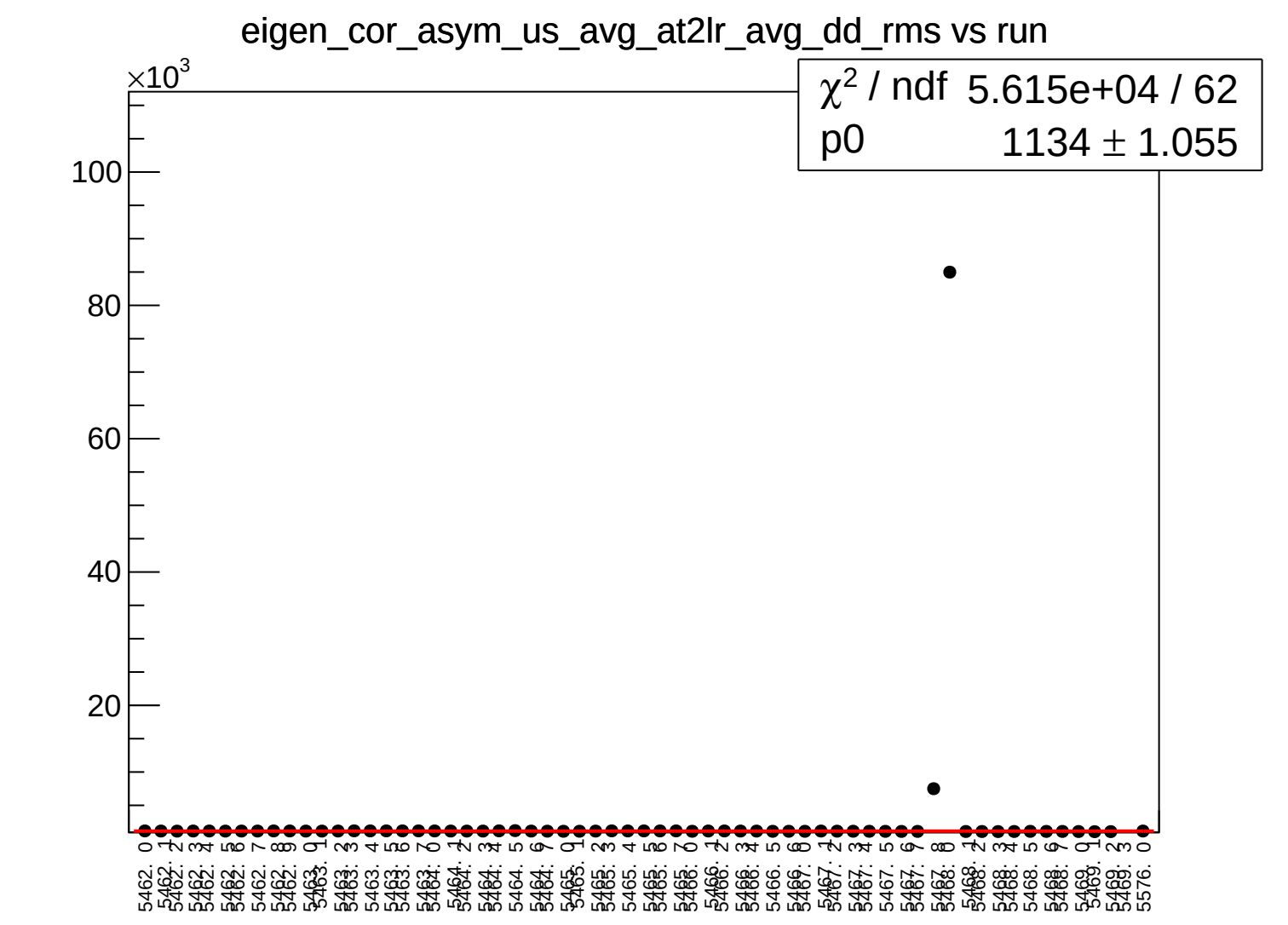

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 69.42 / 62
p0 2503 ± 5426
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −784.9
Std Dev 0
2
1
0
−1
−2

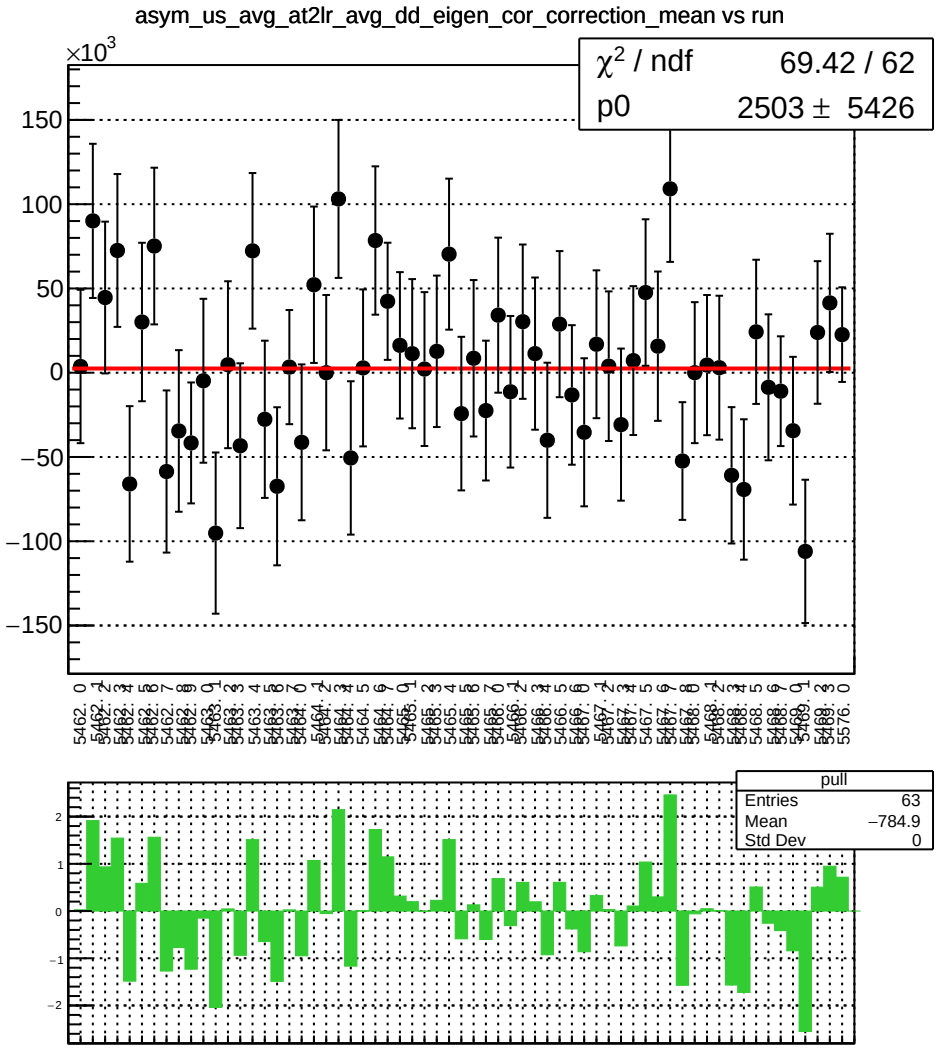

pull1D
Entries 63
Mean 0.002392
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

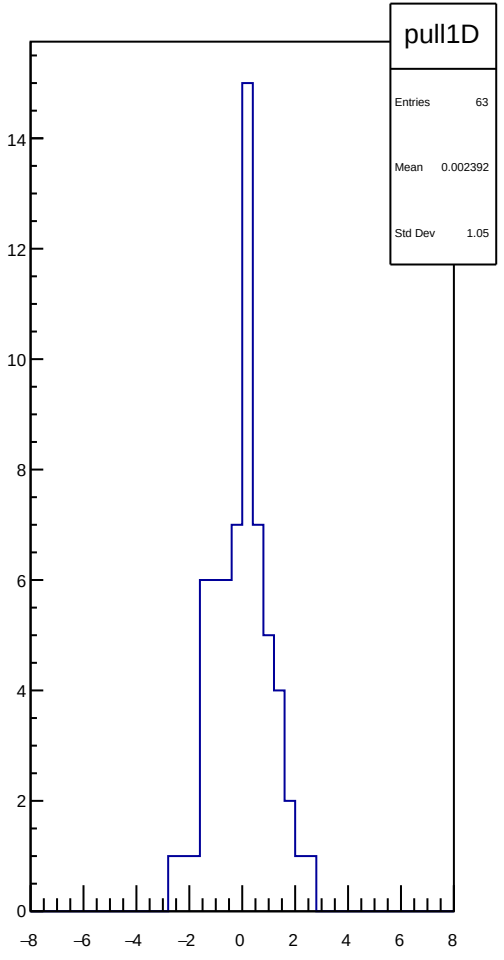

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 5606 / 62
p0 4212 ± 3.837
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000

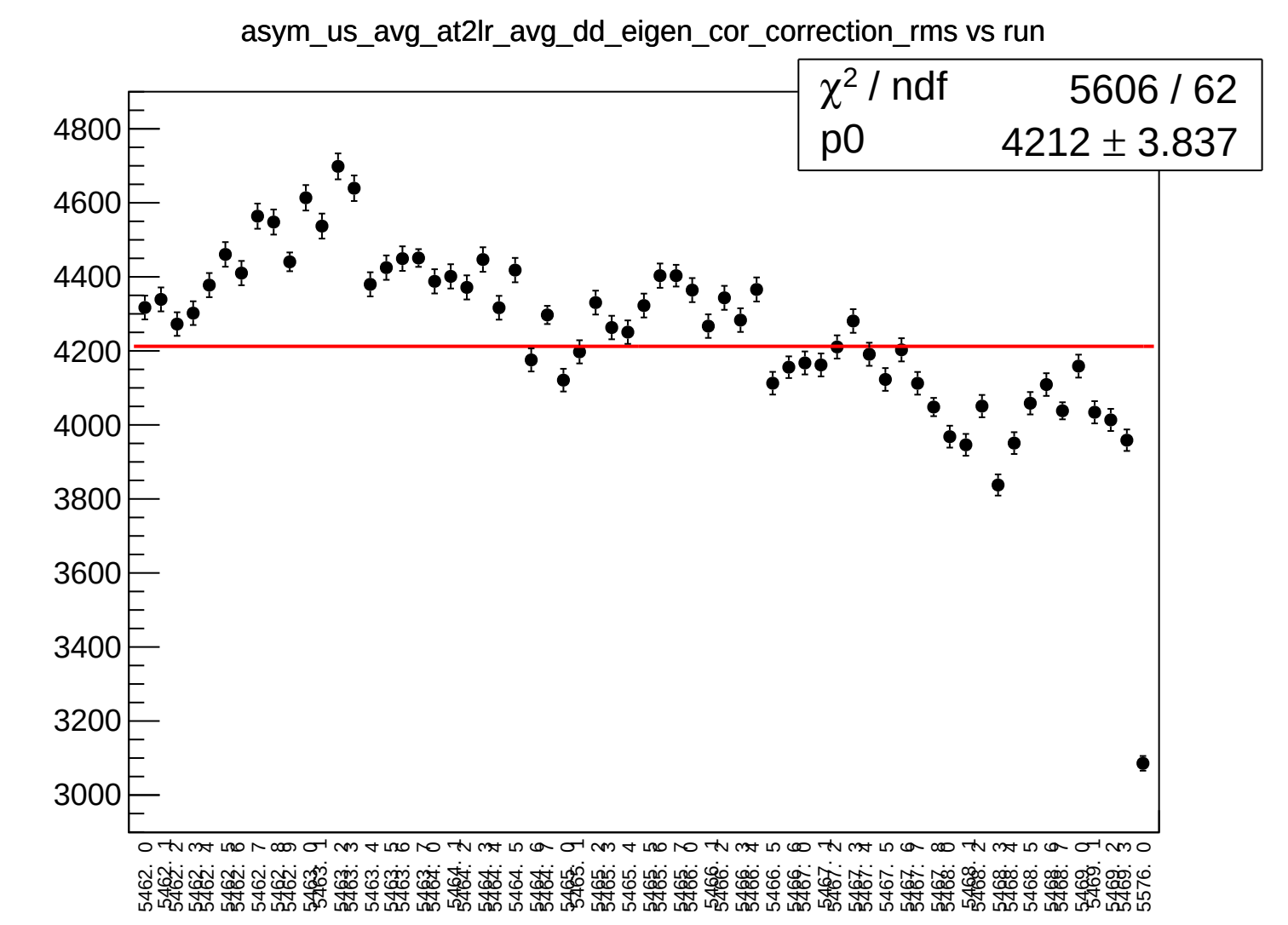

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 66.69 / 60
p0 −1358 ± 1492
150
100
50
0
−50
pull
Entries 61
Mean 15.3
Std Dev 10.3
3
2
1
0
−1
−2

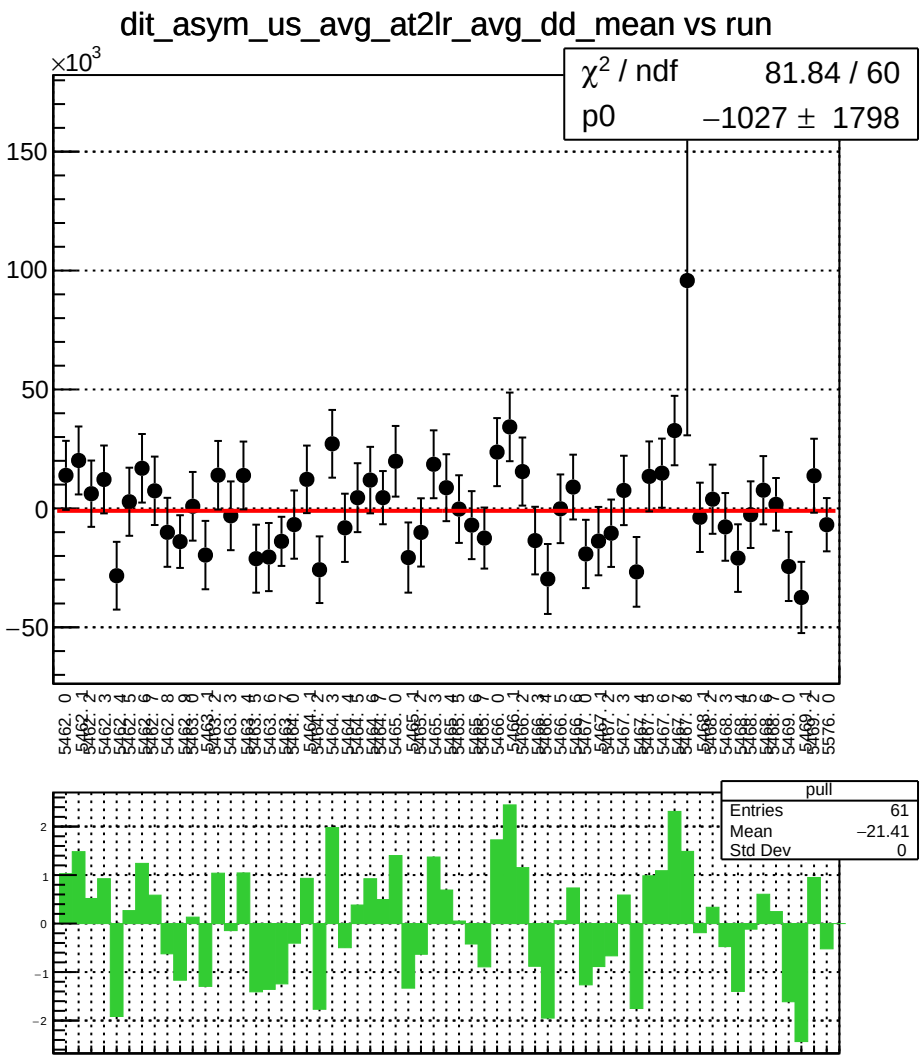

pull1D
Entries 61
Mean 0.03642
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

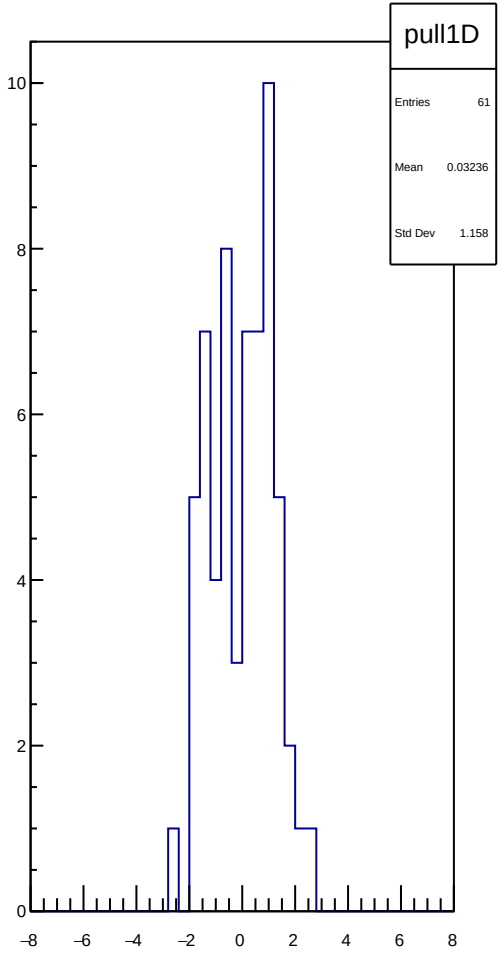

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ^2 / ndf 5.615e+04 / 62
p0 1134 ± 1.055
100
80
60
40
20

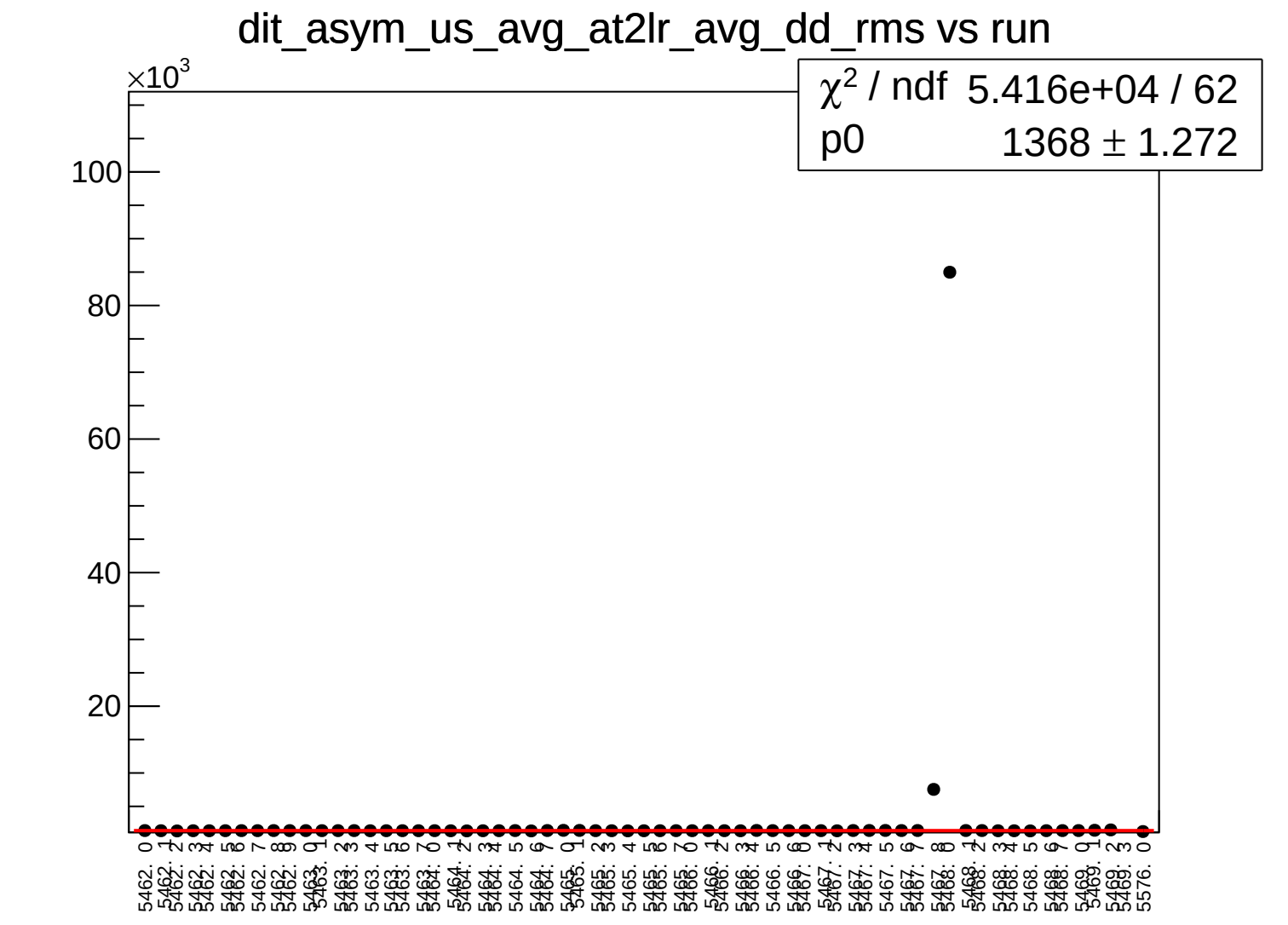

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 69.42 / 62
p0 2503 ± 5426
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −784.9
Std Dev 0
2
1
0
−1
−2

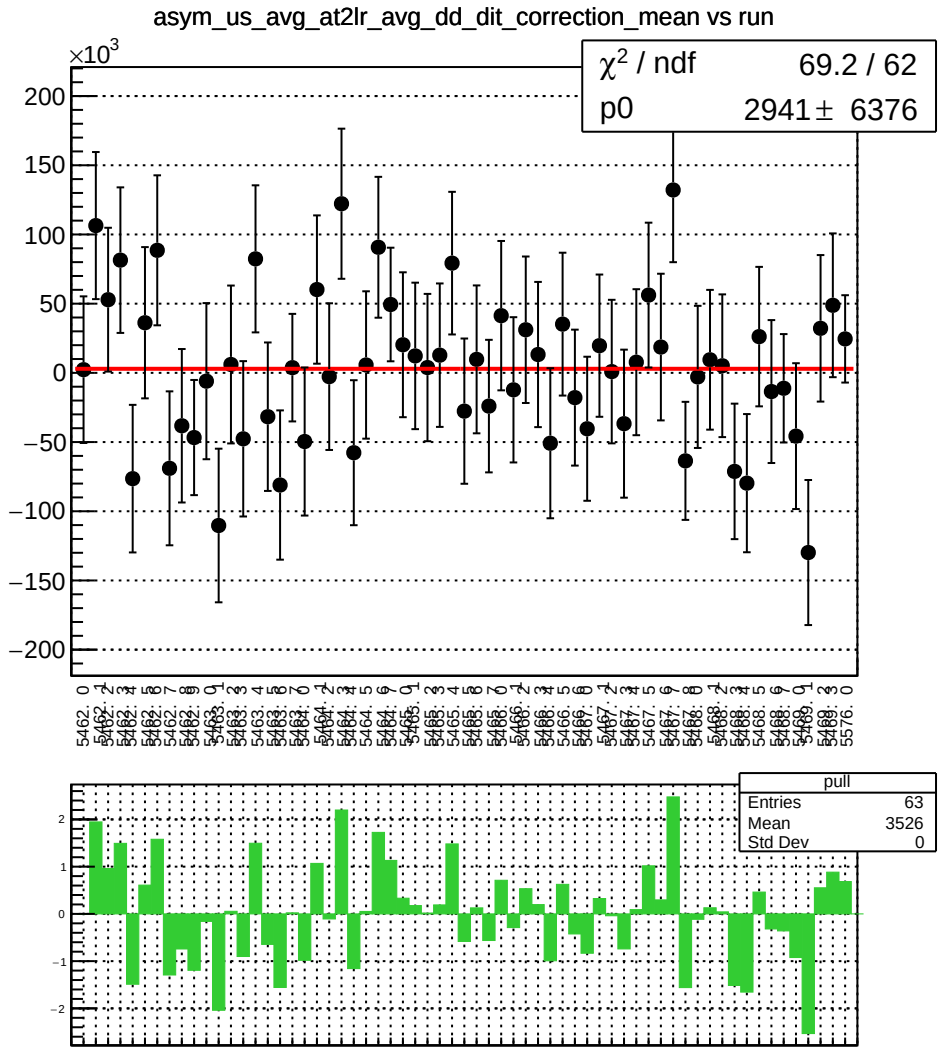

pull1D
Entries 63
Mean 0.002392
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

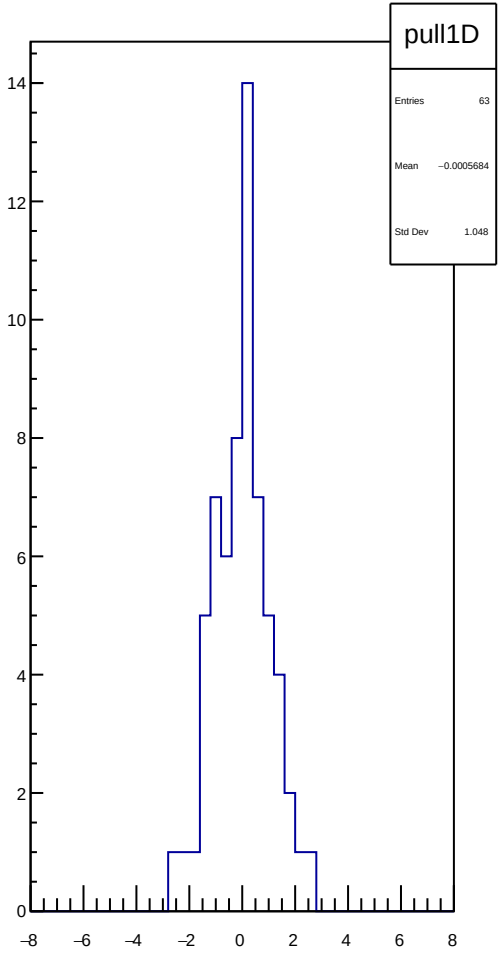

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 5606 / 62
p0 4212 ± 3.837
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000

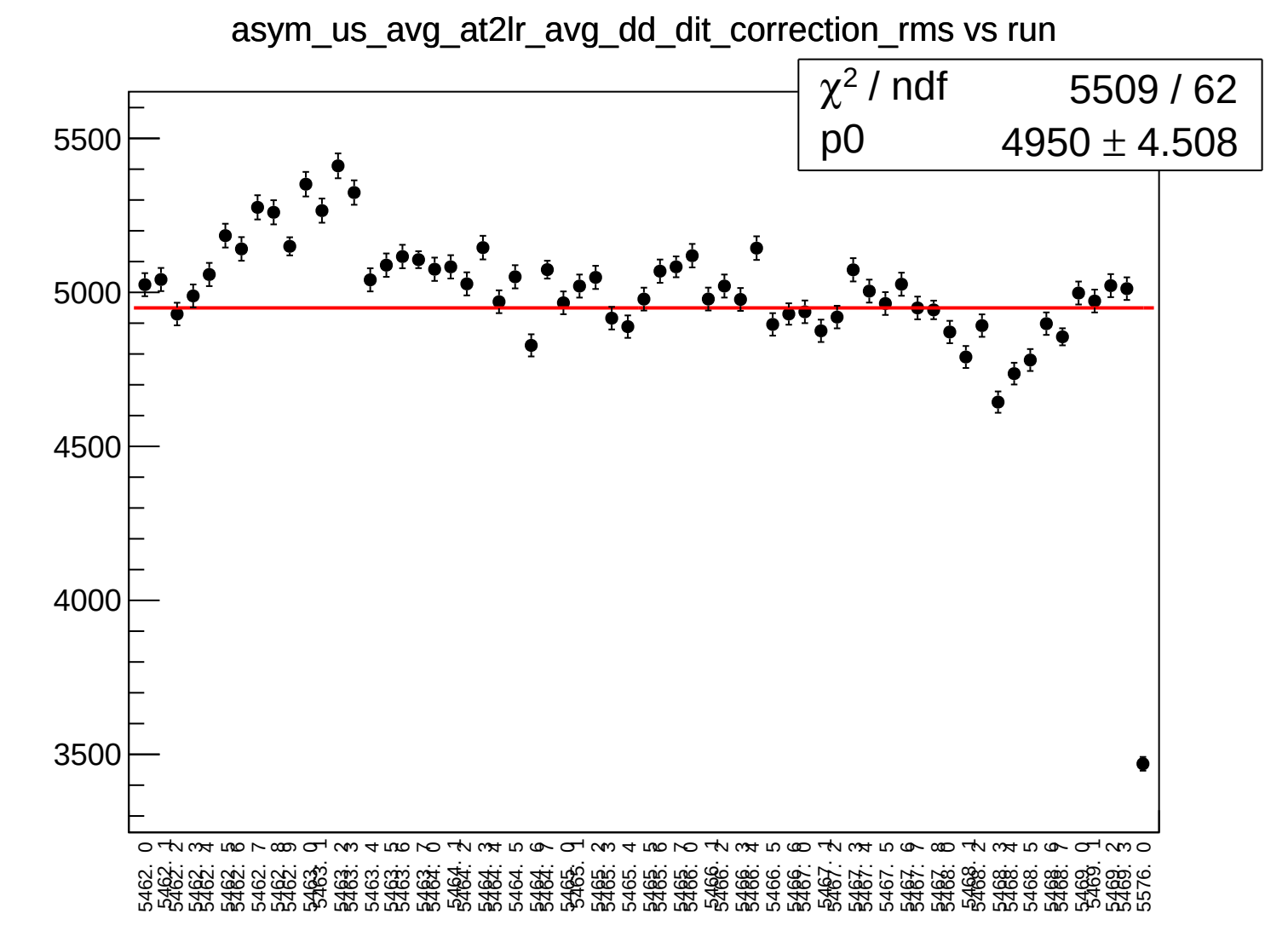

dit_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 81.84 / 60
p0 −1027 ± 1798
150
100
50
0
−50
pull
Entries 61
Mean −21.41
Std Dev 0
2
1
0
−1
−2

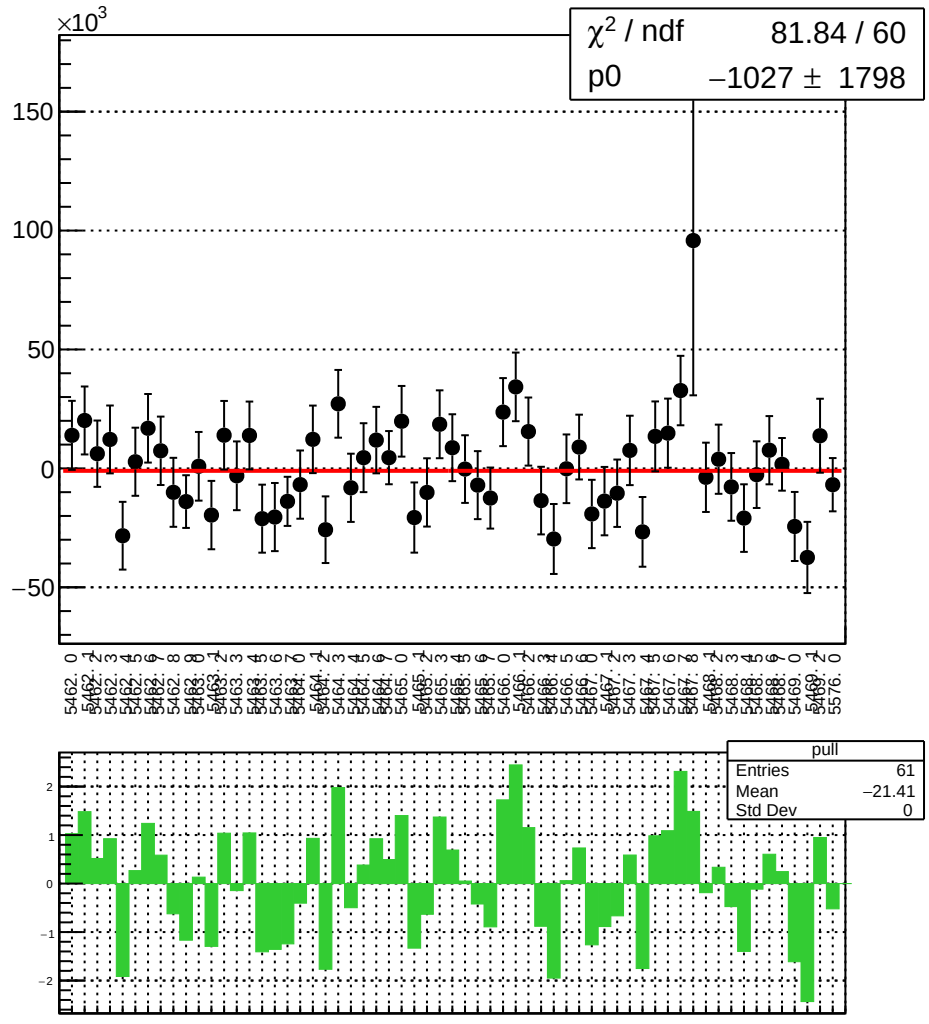

pull1D
Entries 61
Mean 0.03236
Std Dev 1.158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

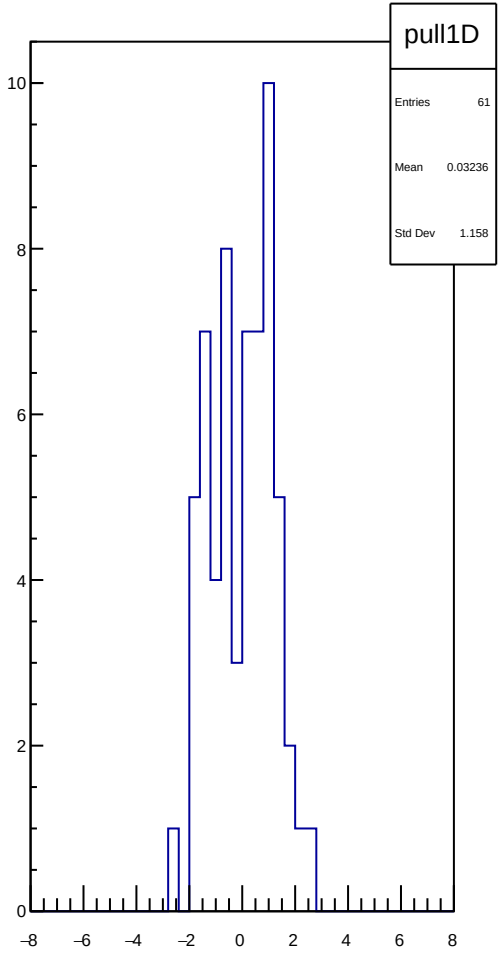

dit_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ^2 / ndf 5.416e+04 / 62
p0 1368 ± 1.272
100
80
60
40
20

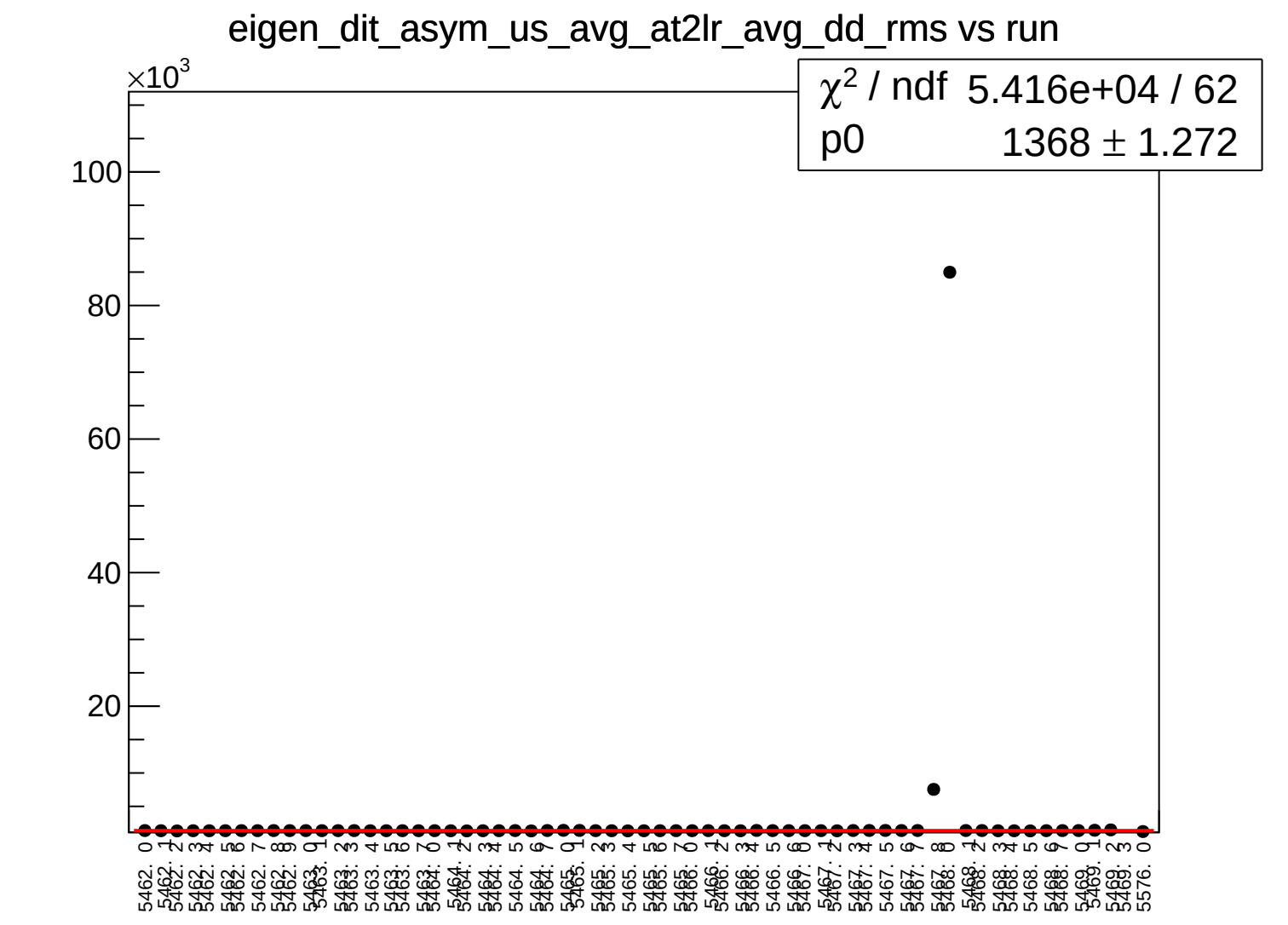

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 69.2 / 62
p0 2941 ± 6376
pull
Entries 63
Mean 3526
Std Dev 0

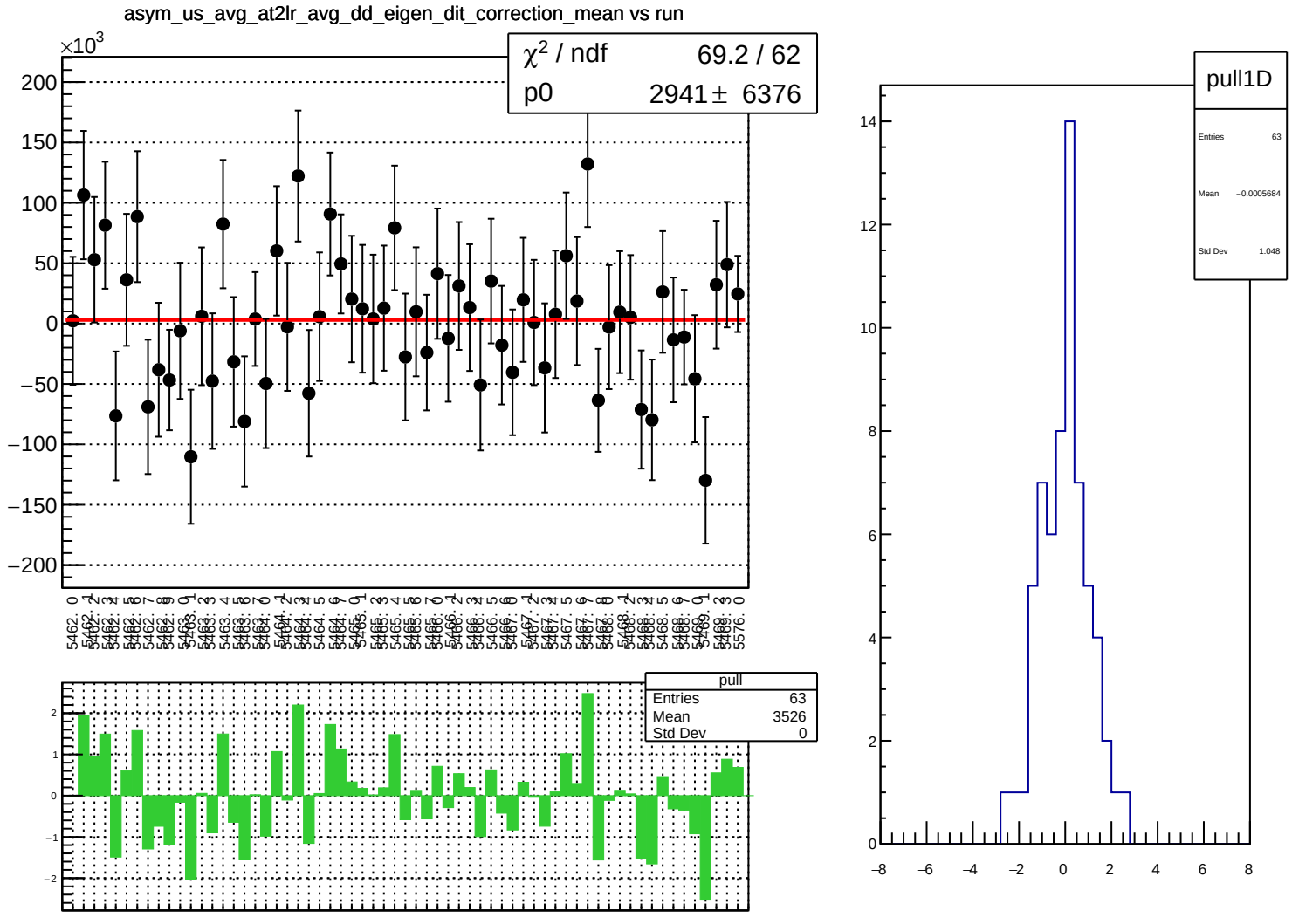

pull1D
Entries 63
Mean −0.0005684
Std Dev 1.048

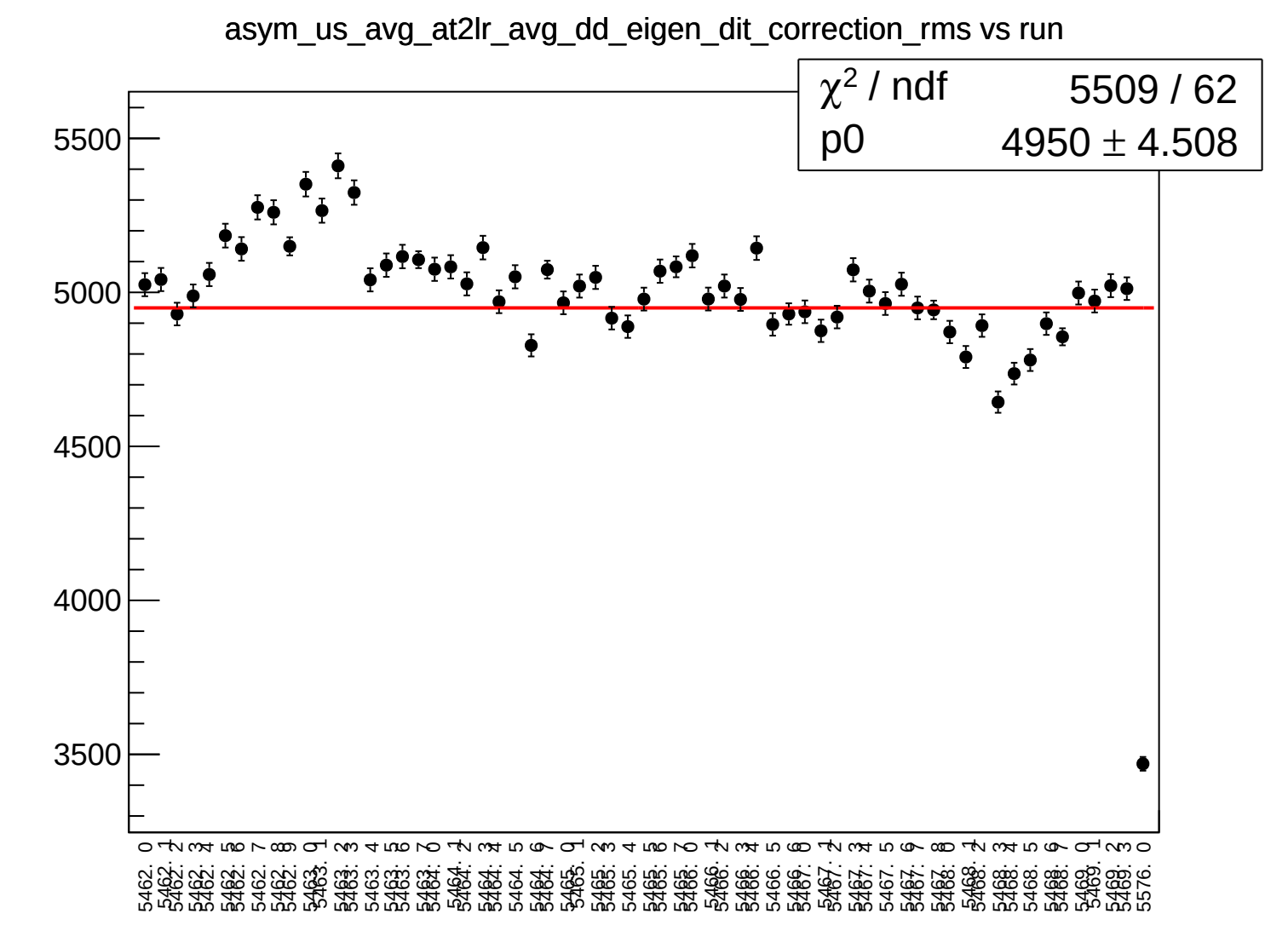

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 5509 / 62
p0 4950 ± 4.508
5500
5000
4500
4000
3500

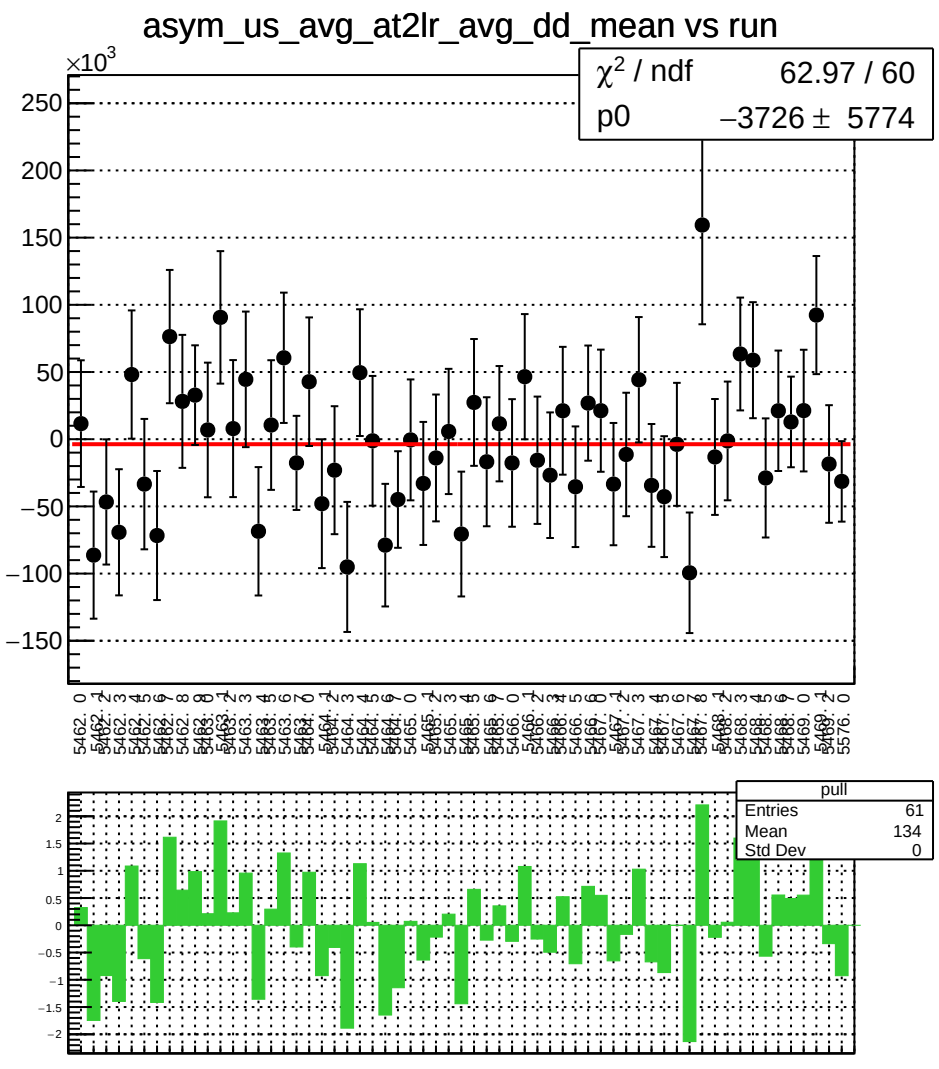

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.84 / 60
p0 −1027 ± 1798
×10³
150
100
50
0
−50
pull
Entries 61
Mean −21.41
Std Dev 0
2
1
0
−1
−2

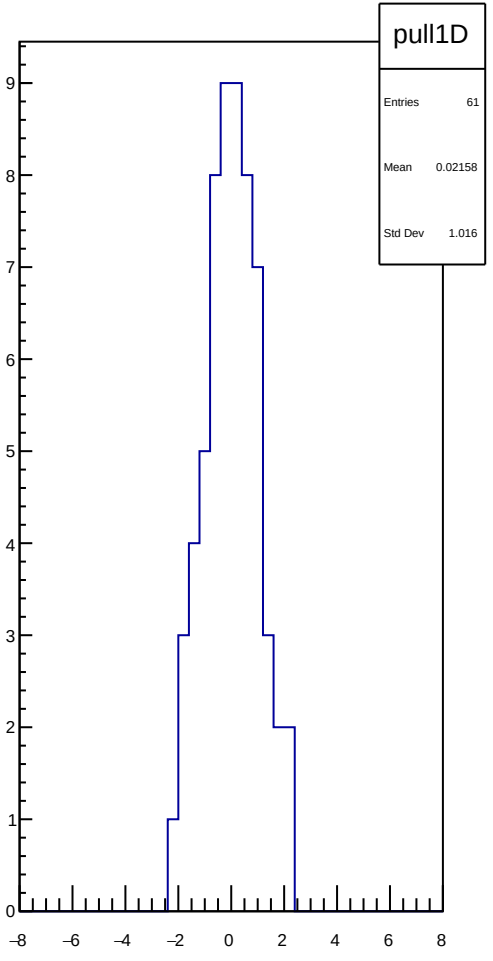

pull1D
Entries 61
Mean 0.03236
Std Dev 1.158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

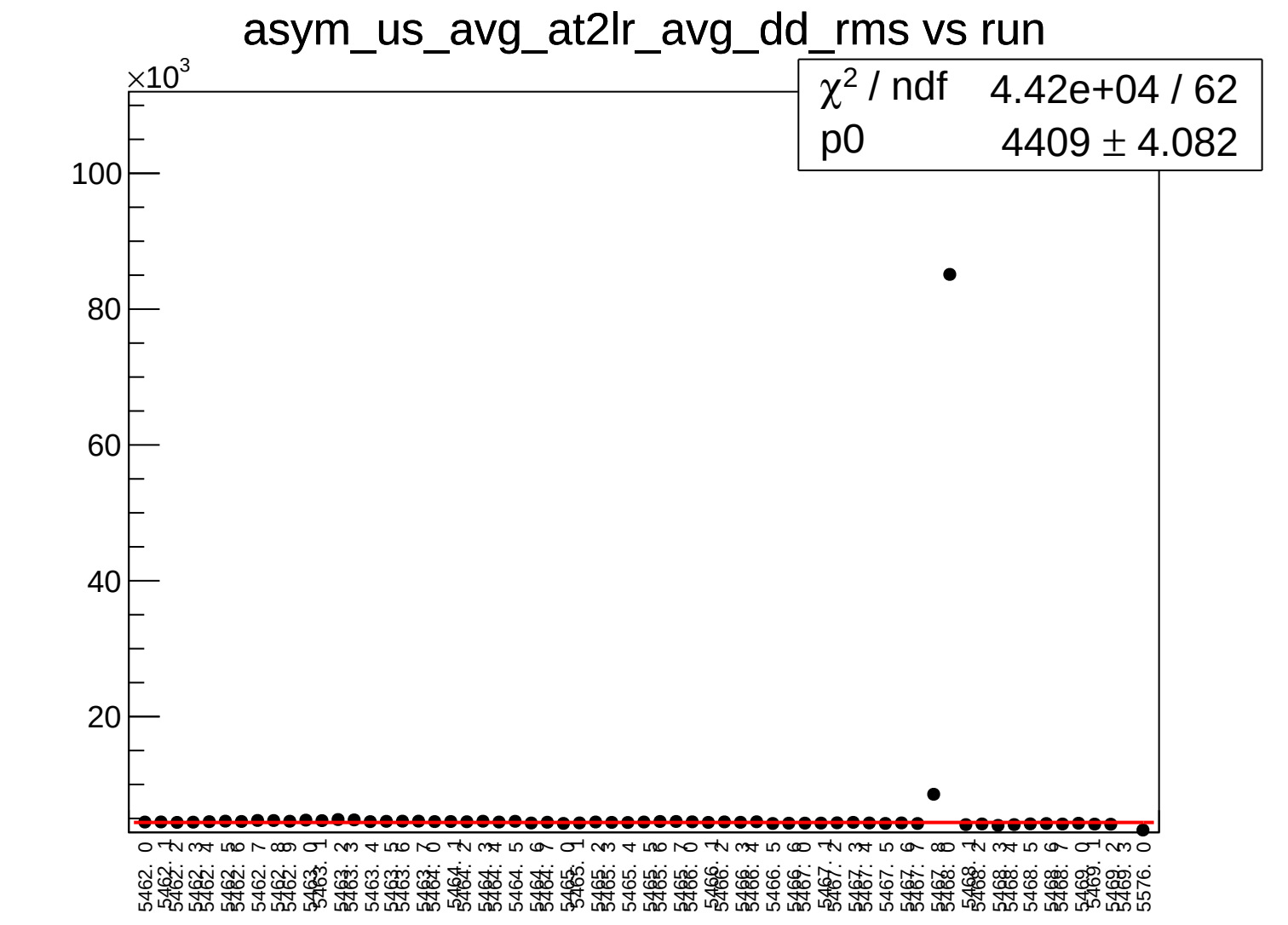

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ² / ndf 5.416e+04 / 62
p0 1368 ± 1.272
100
80
60
40
20

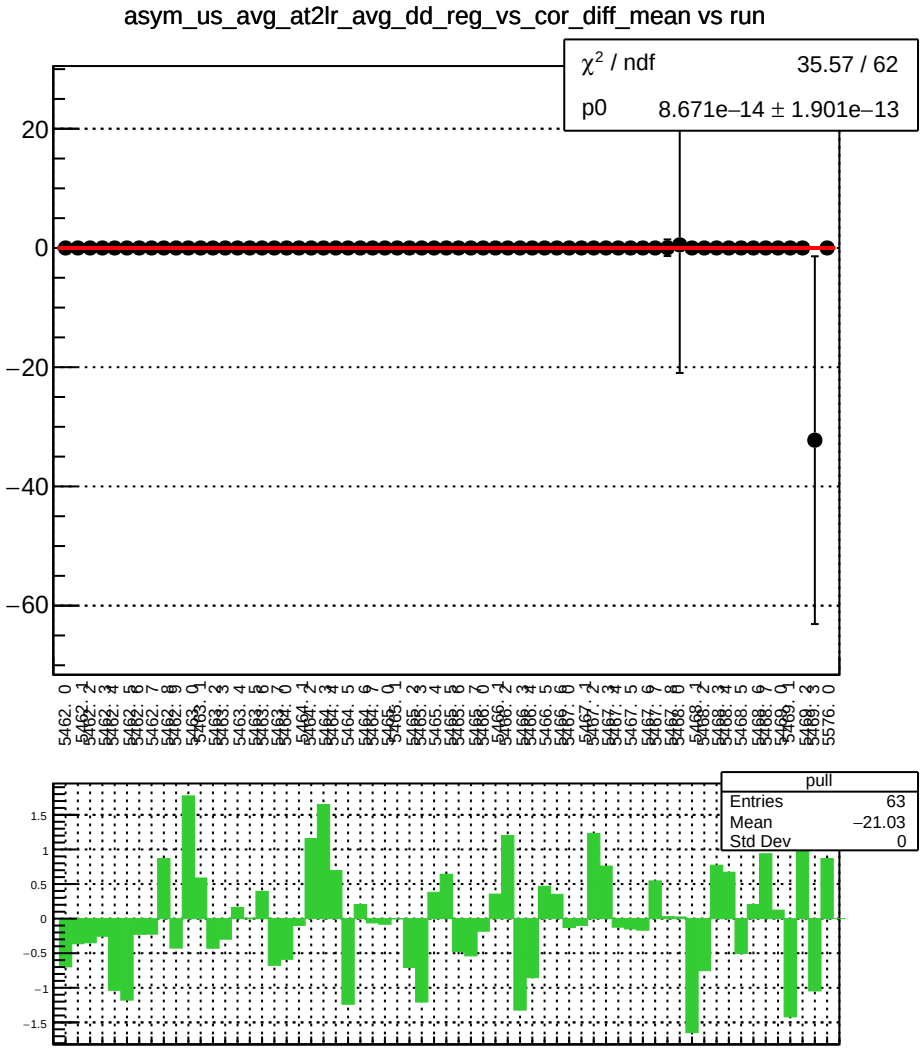

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 69.2 / 62
p0 2941 ± 6376
pull
Entries 63
Mean 3526
Std Dev 0
pull1D
Entries 63
Mean −0.0005684
Std Dev 1.048

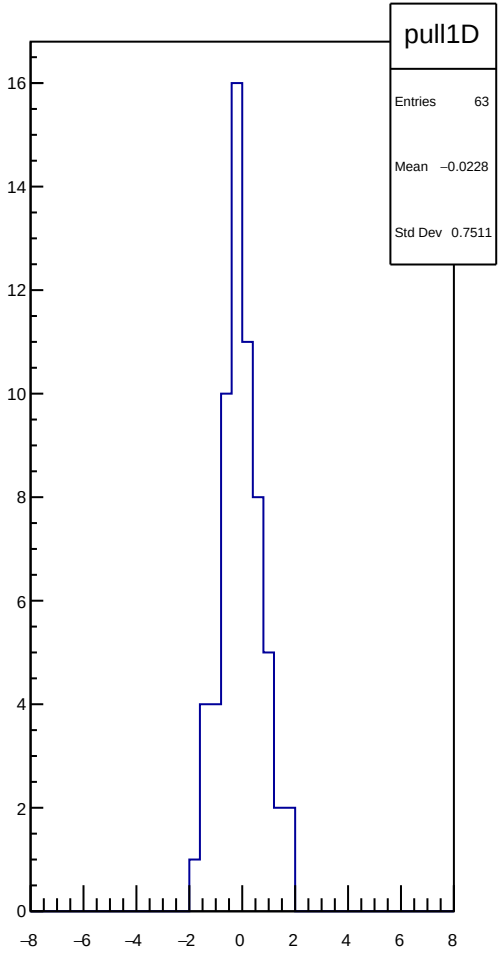

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5509 / 62
p0 4950 ± 4.508
5500
5000
4500
4000
3500

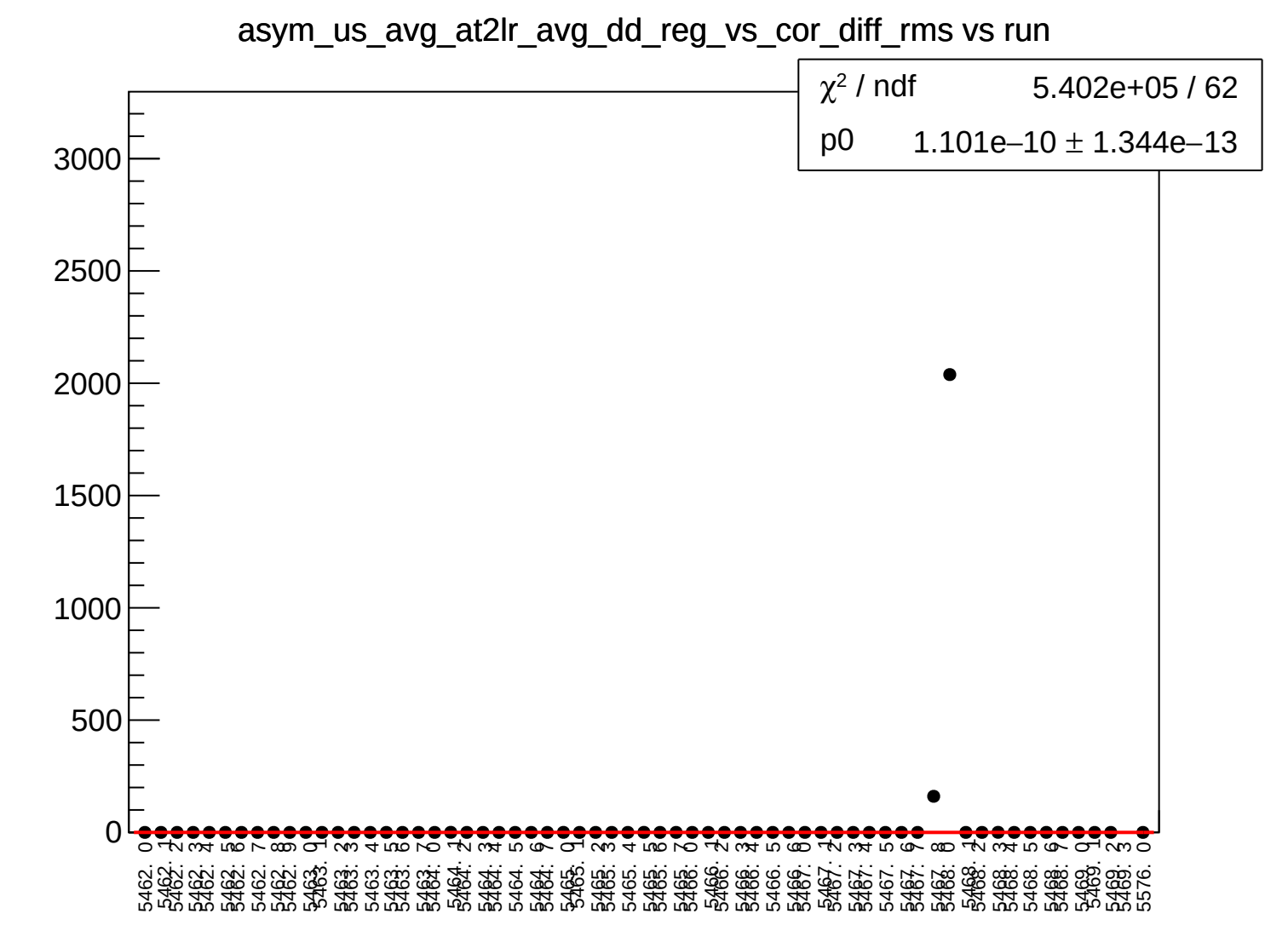

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 62.97 / 60
p0 −3726 ± 5774
pull
Entries 61
Mean 134
Std Dev 0

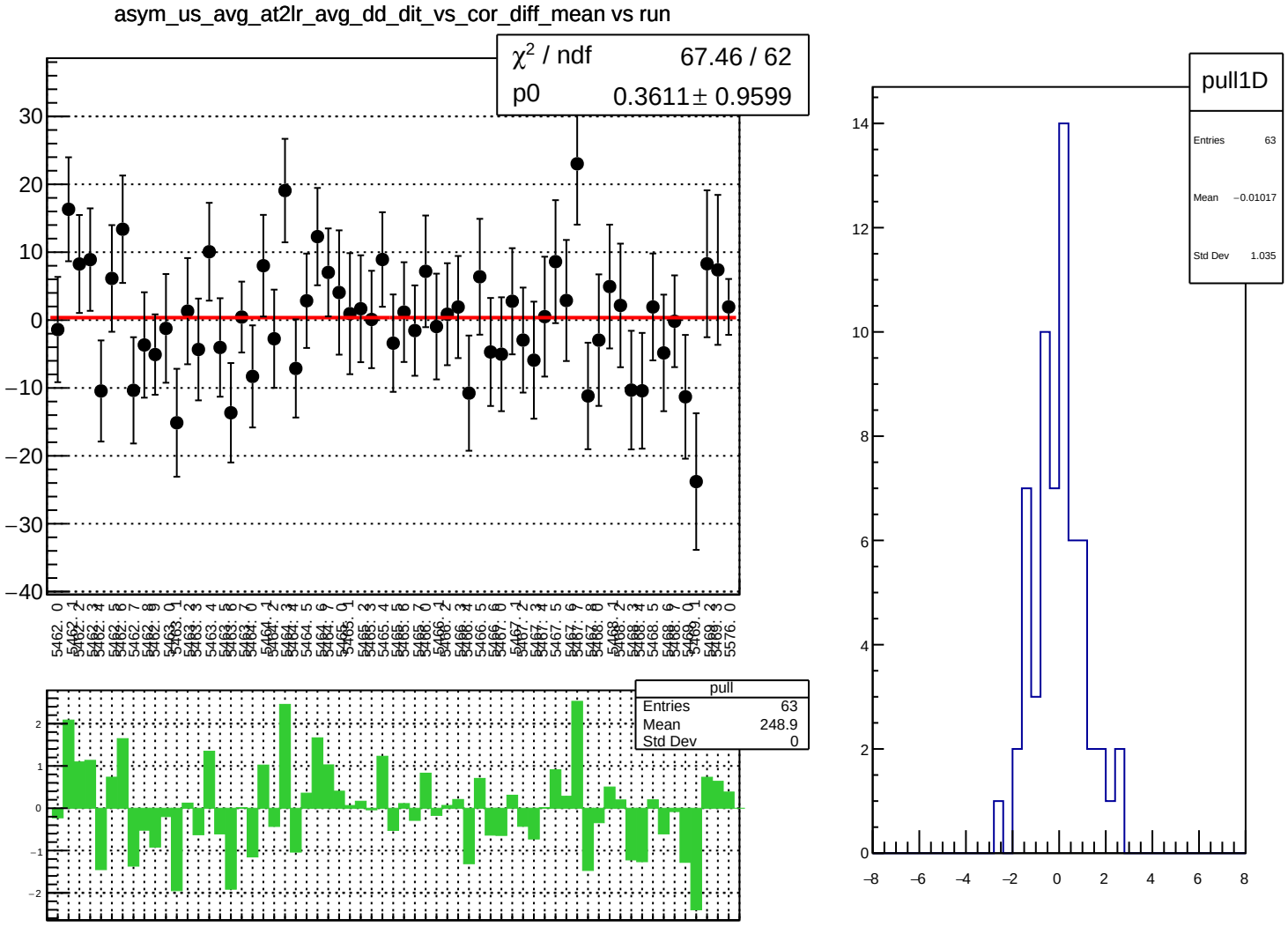

pull1D
Entries 61
Mean 0.02158
Std Dev 1.016

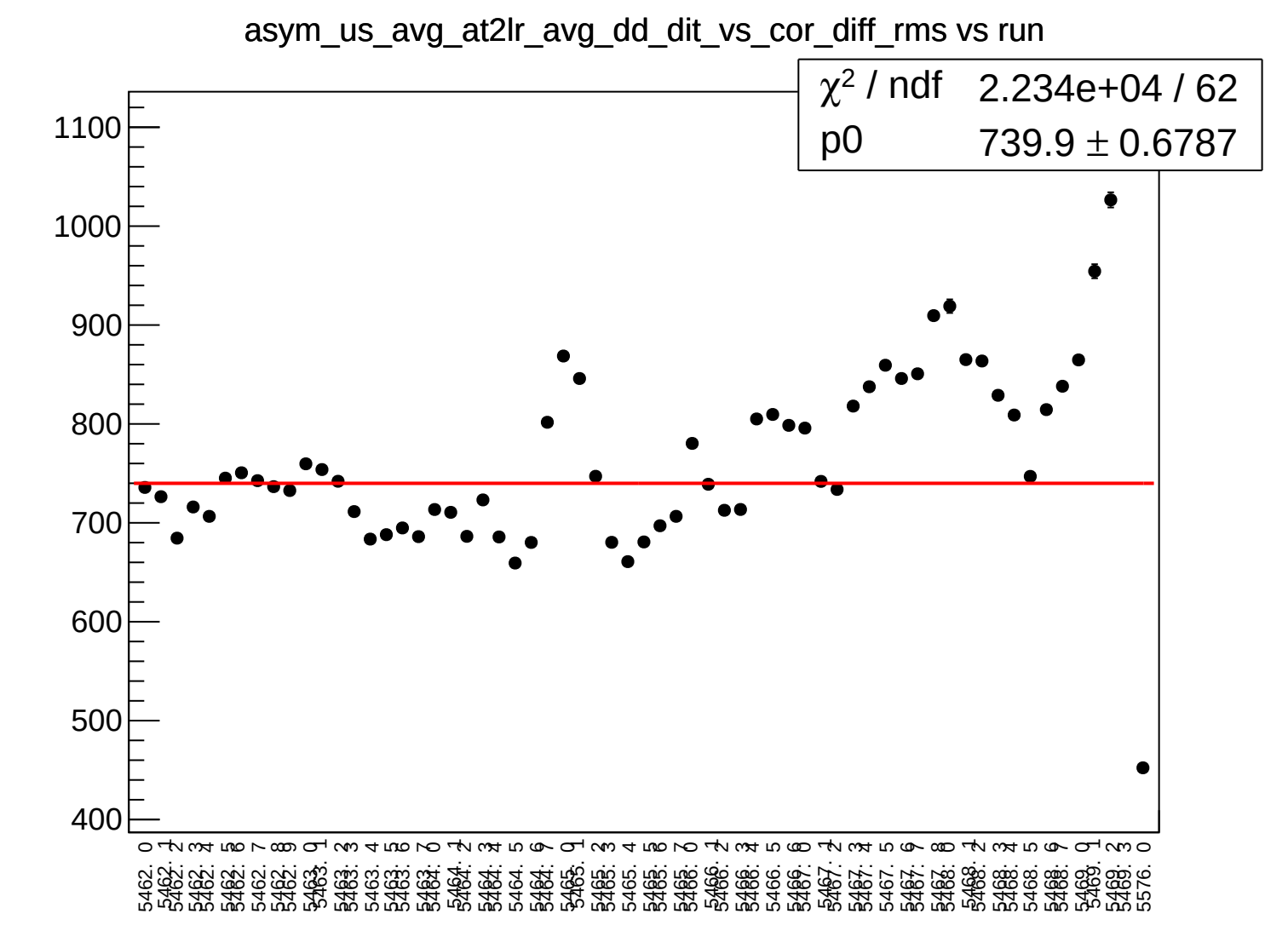

asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ^2 / ndf 4.42e+04 / 62
p0 4409 ± 4.082
100
80
60
40
20

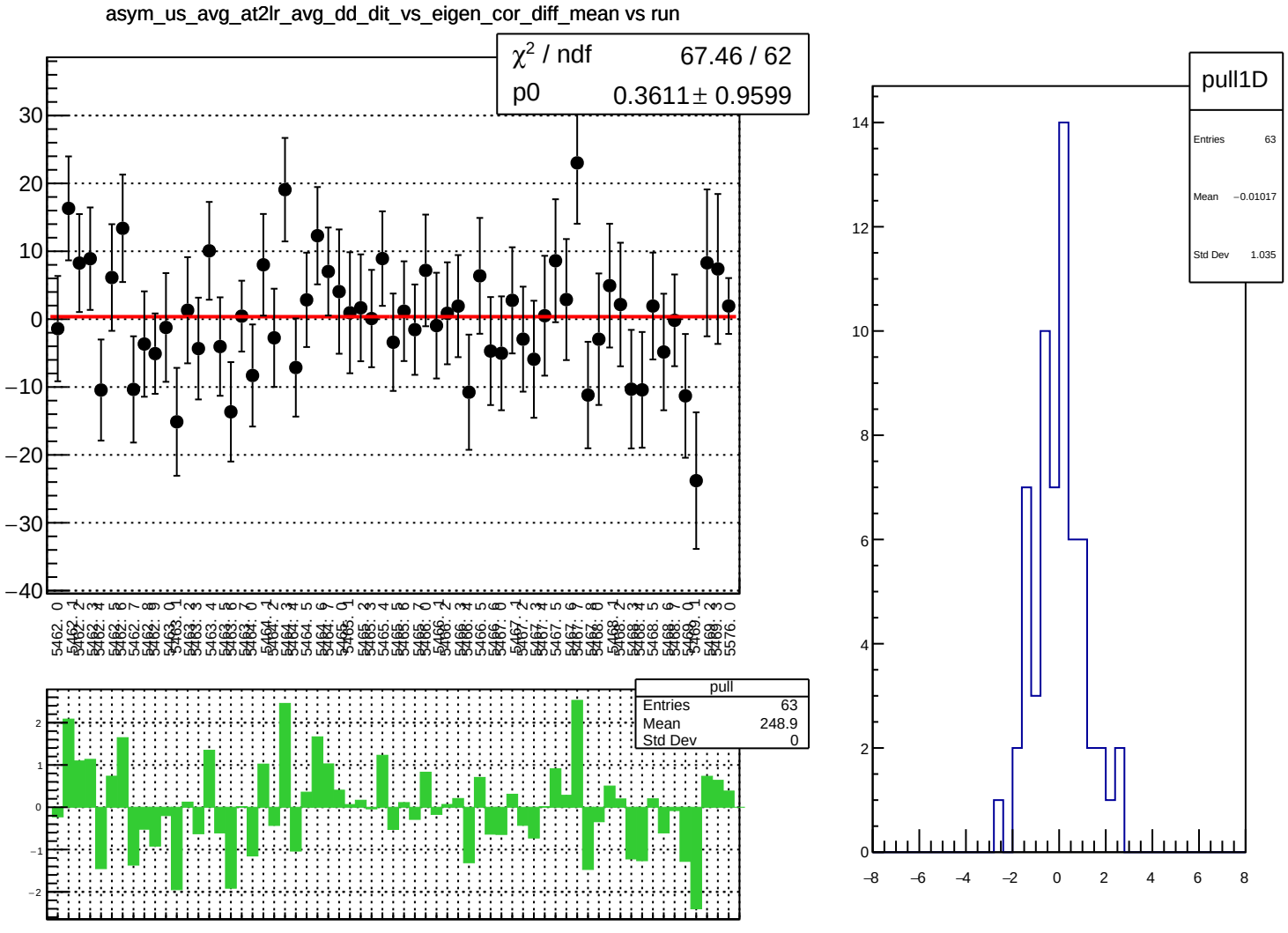

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.57 / 62
p0 8.671e−14 ± 1.901e−13
20
0
−20
−40
−60
pull
Entries 63
Mean −21.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

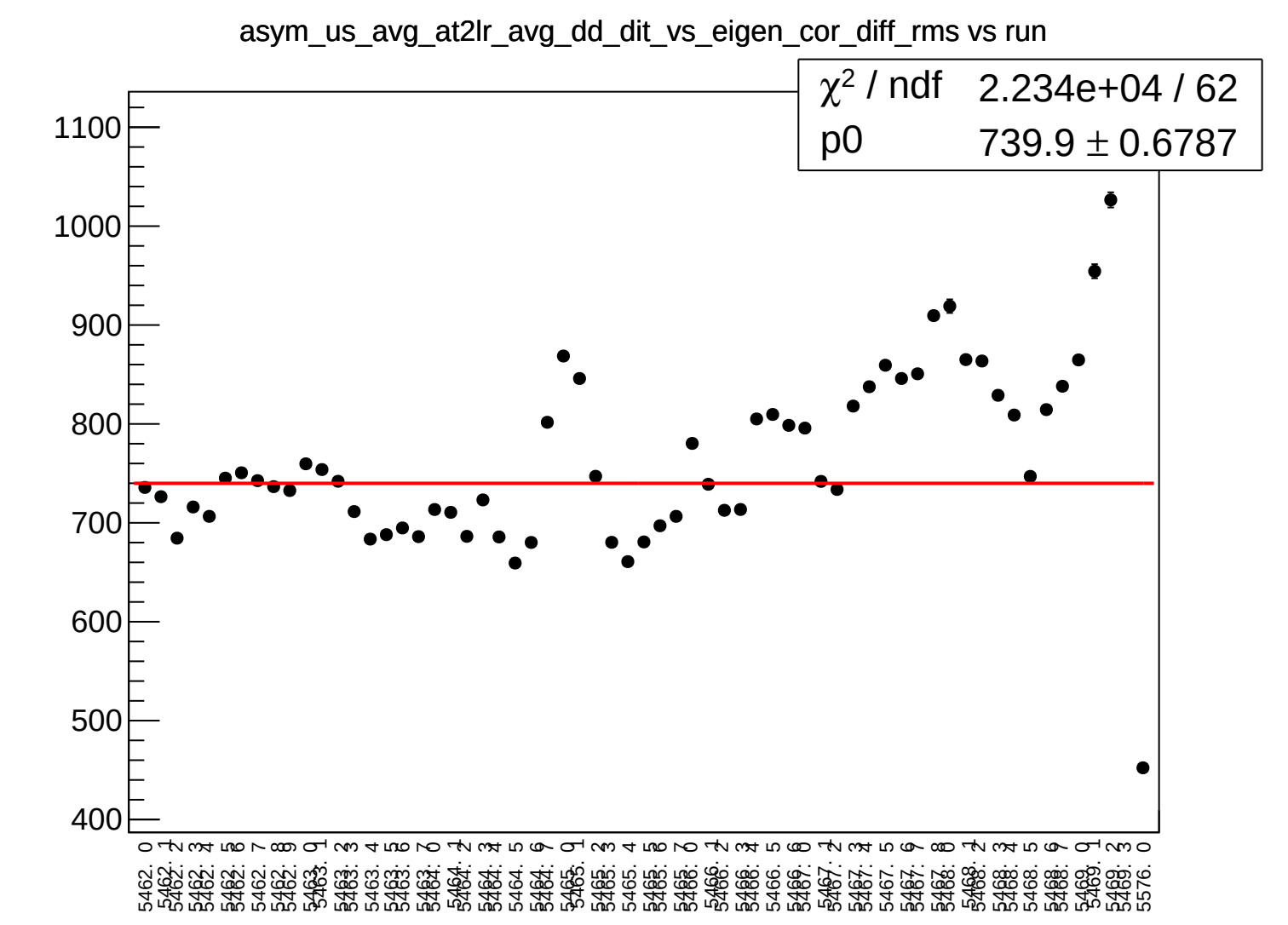

pull1D
Entries 63
Mean −0.0228
Std Dev 0.7511
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

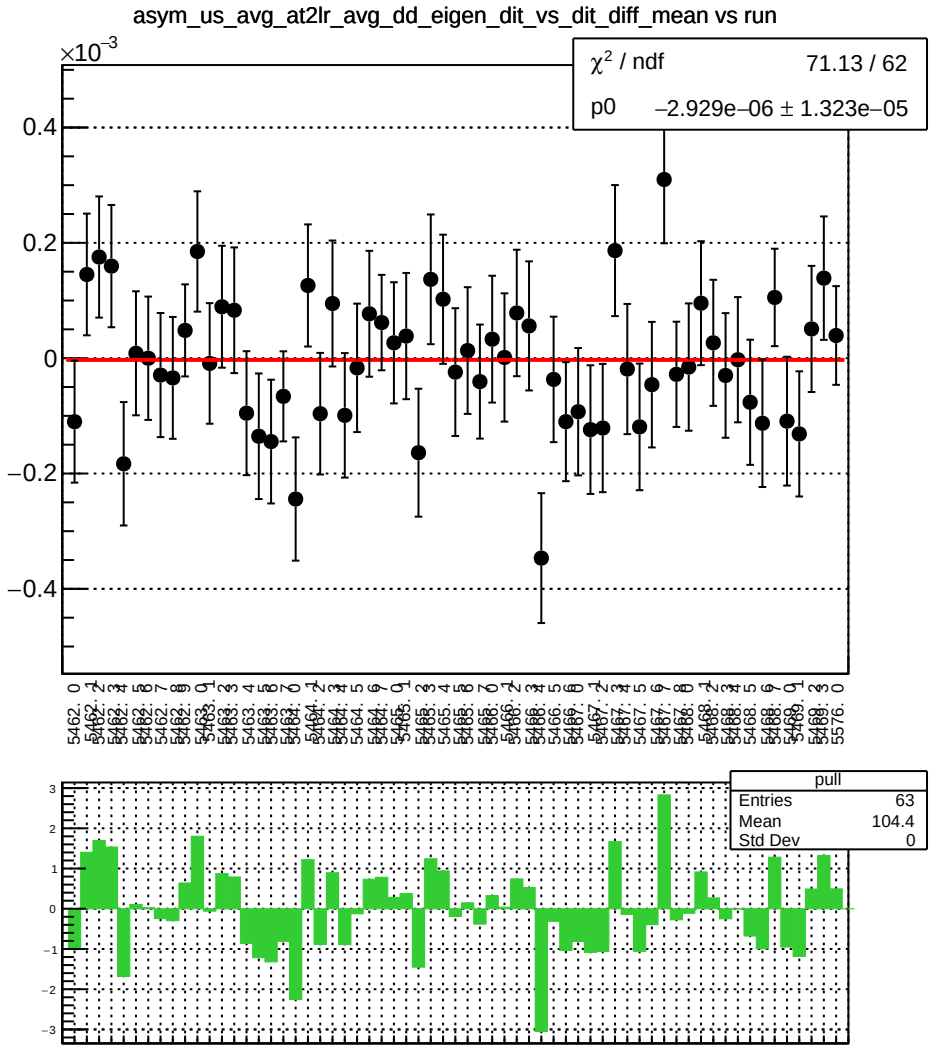

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.402e+05 / 62
p0 1.101e−10 ± 1.344e−13
3000
2500
2000
1500
1000
500
0

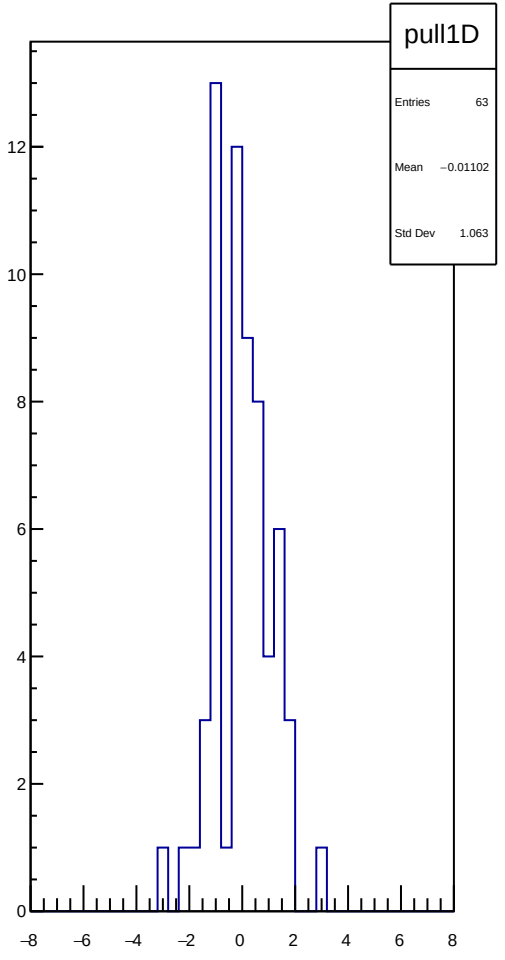

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.46 / 62
p0 0.3611 ± 0.9599
pull
Entries 63
Mean 248.9
Std Dev 0
pull1D
Entries 63
Mean −0.01017
Std Dev 1.035

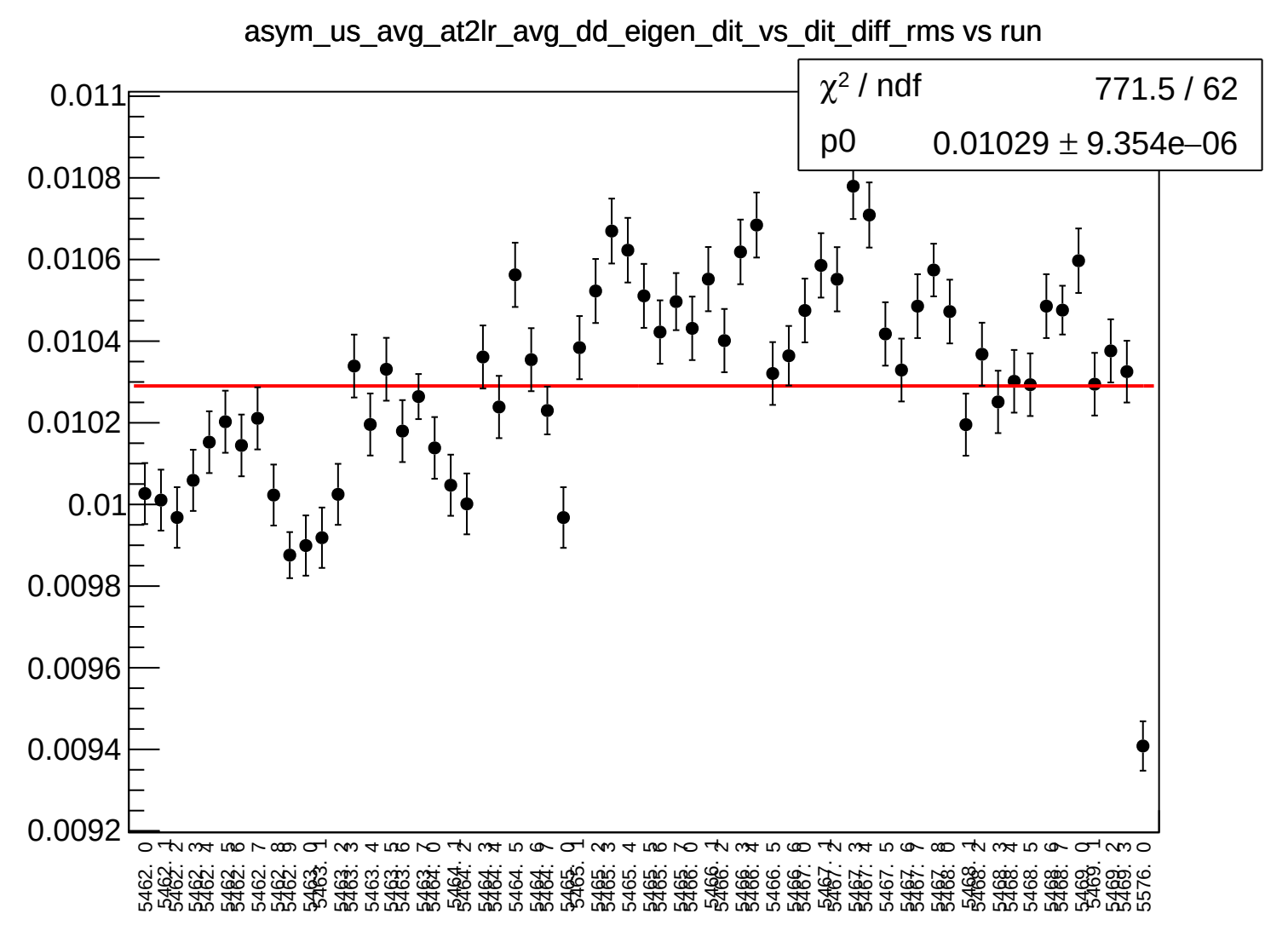

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.234e+04 / 62
p0 739.9 ± 0.6787
1100
1000
900
800
700
600
500
400

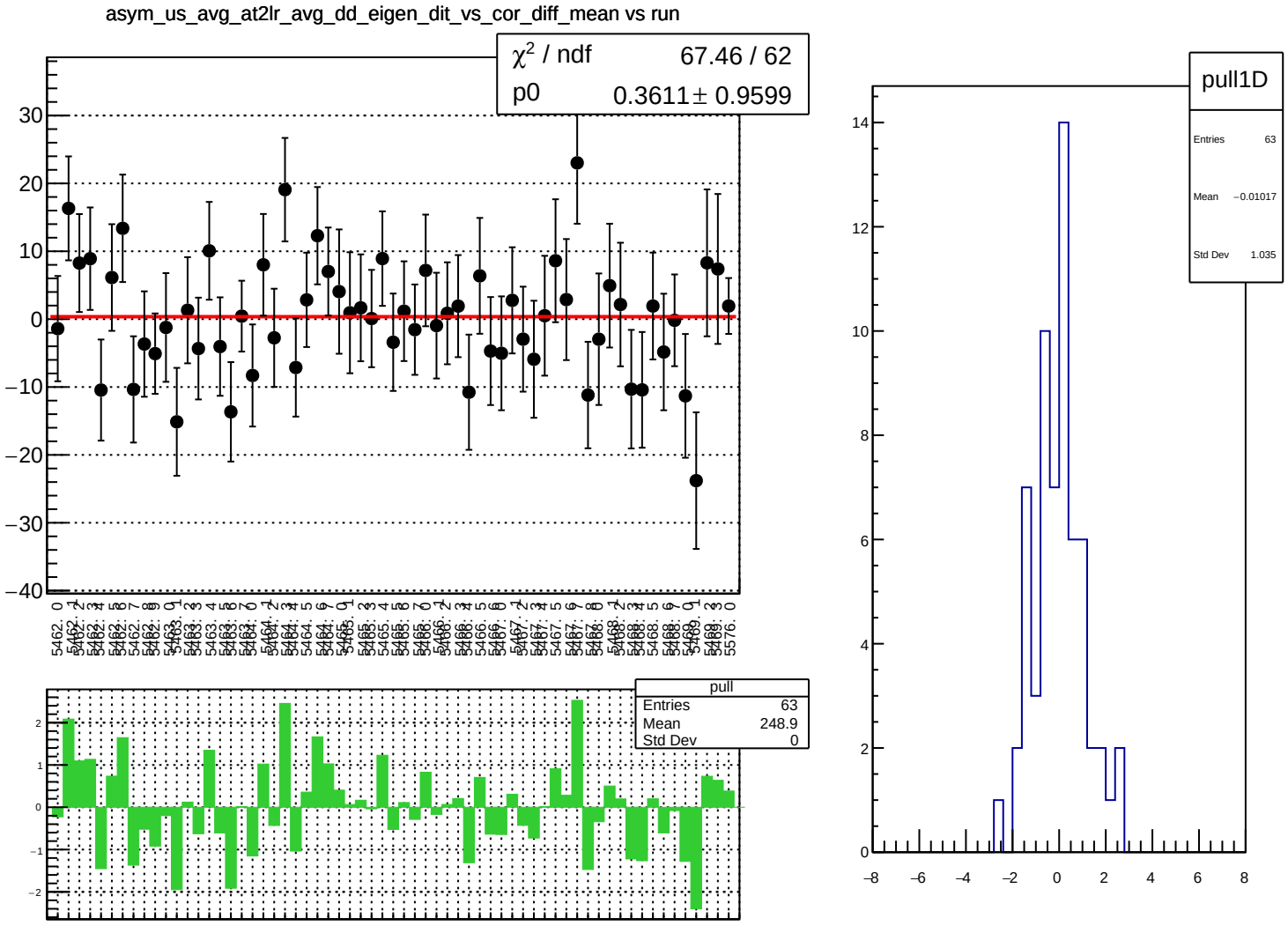

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.46 / 62
p0 0.3611 ± 0.9599
pull
Entries 63
Mean 248.9
Std Dev 0
pull1D
Entries 63
Mean −0.01017
Std Dev 1.035

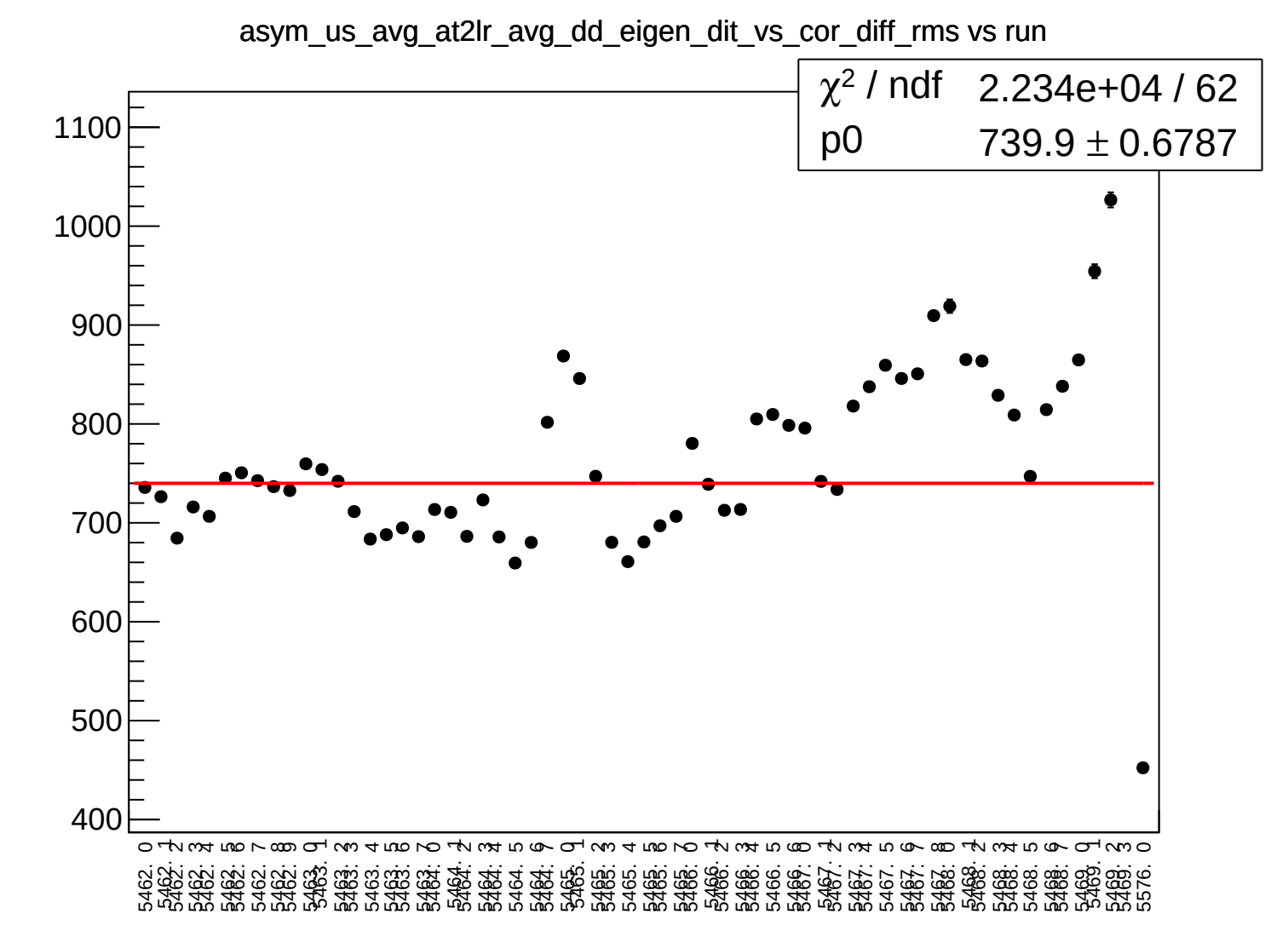

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.234e+04 / 62
p0 739.9 ± 0.6787
1100
1000
900
800
700
600
500
400

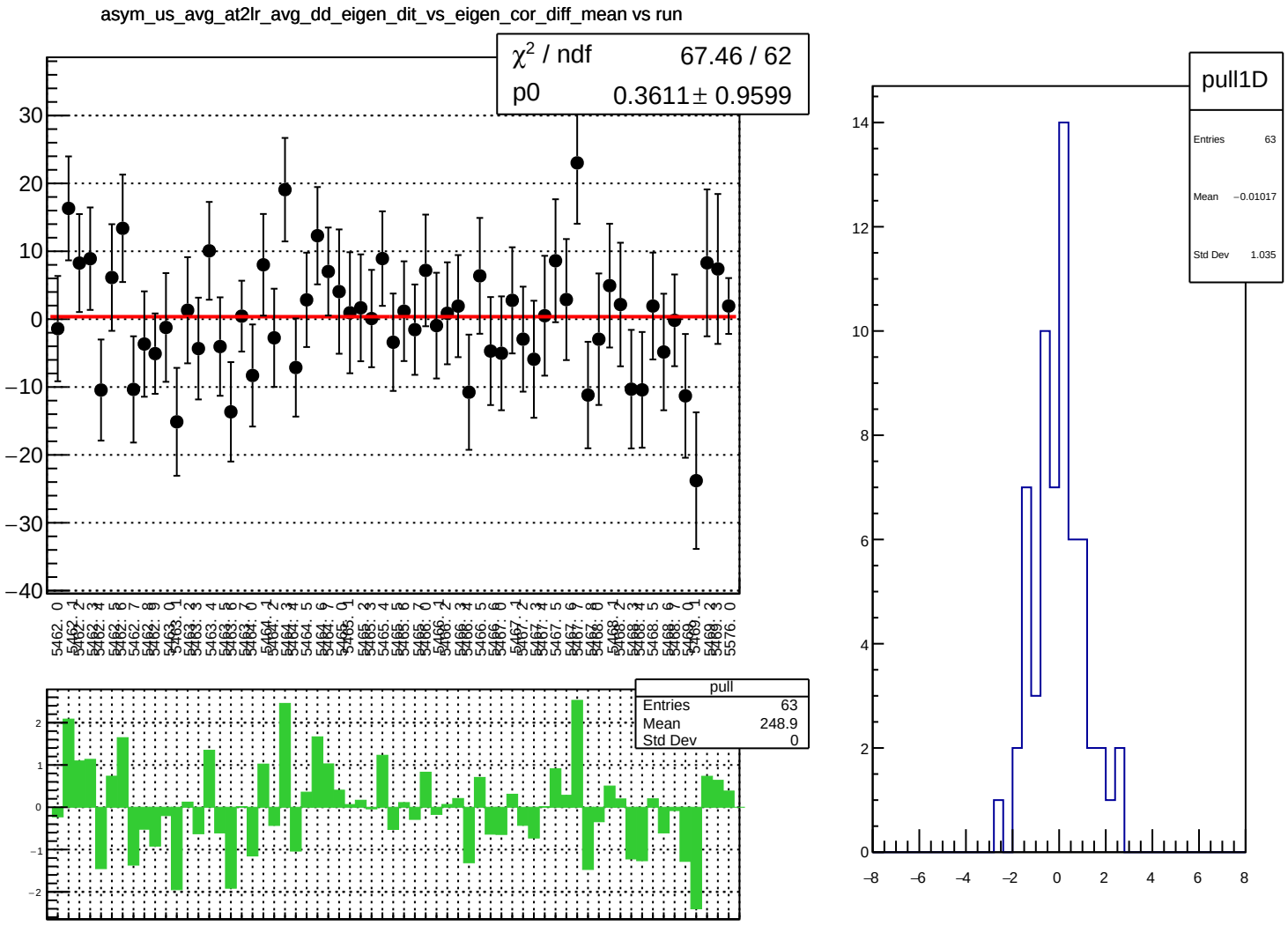

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.13 / 62
p0 −2.929e−06 ± 1.323e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 63
Mean 104.4
Std Dev 0
3
2
1
0
−1
−2
−3

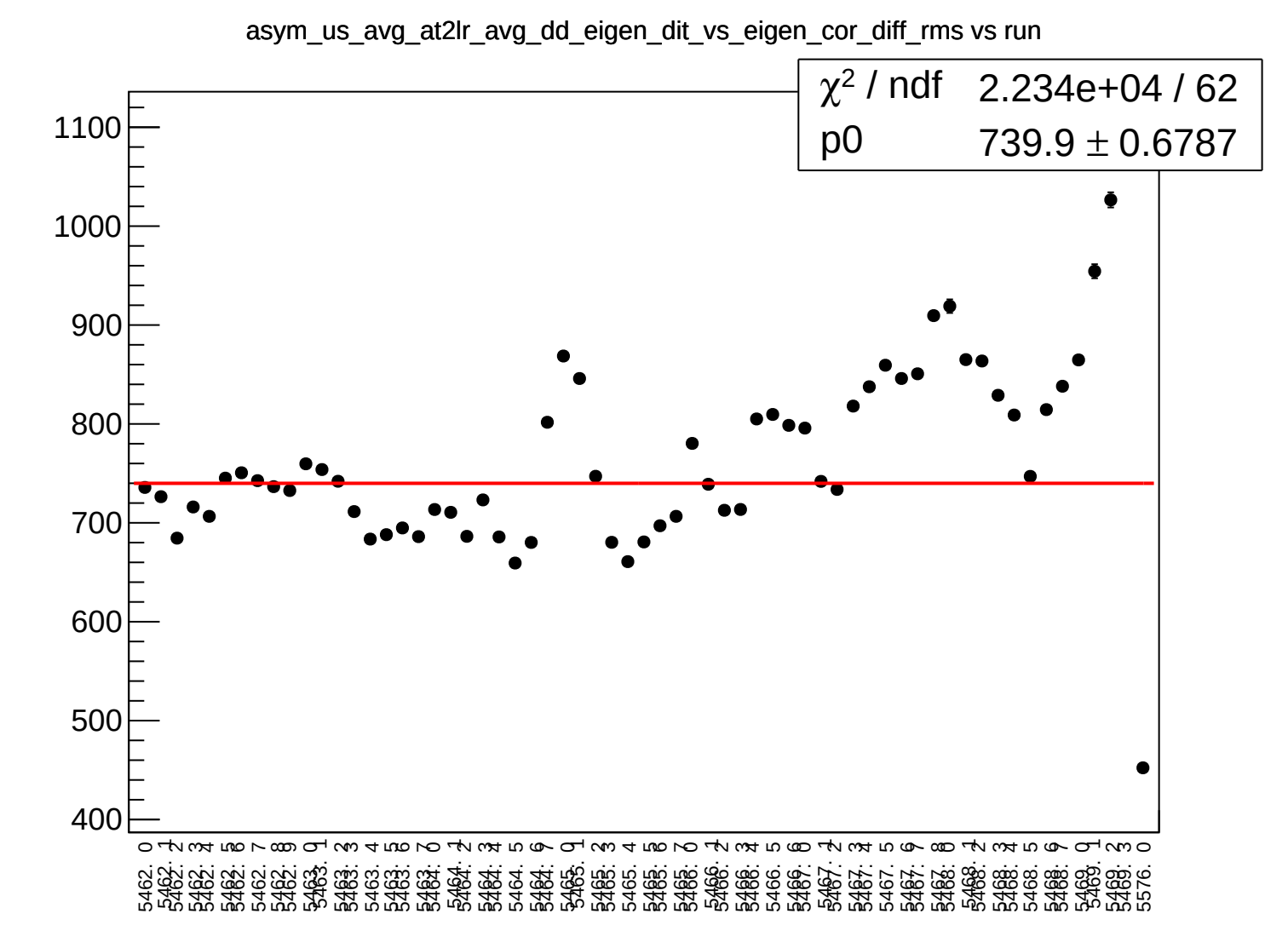

pull1D
Entries 63
Mean −0.01102
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

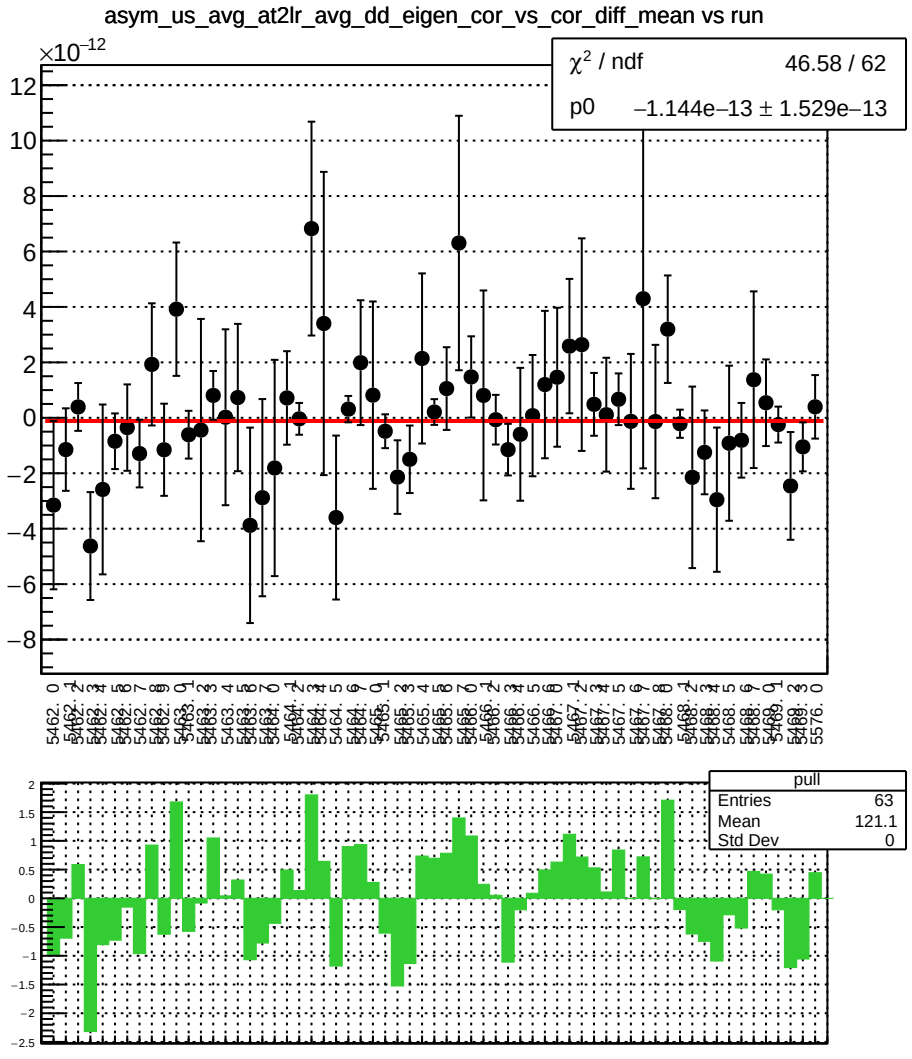

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 771.5 / 62
p0 0.01029 ± 9.354e−06
0.011
0.0108
0.0106
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092

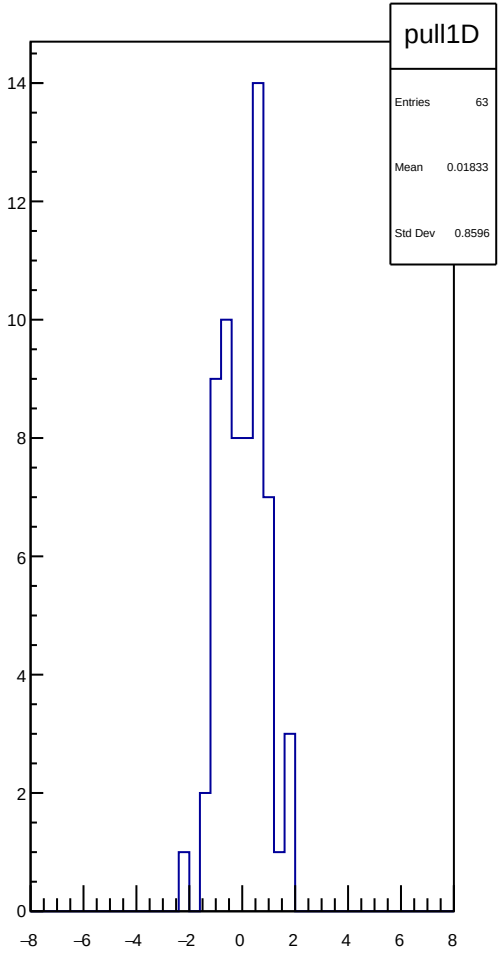

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.46 / 62
p0 0.3611 ± 0.9599
pull
Entries 63
Mean 248.9
Std Dev 0
pull1D
Entries 63
Mean −0.01017
Std Dev 1.035

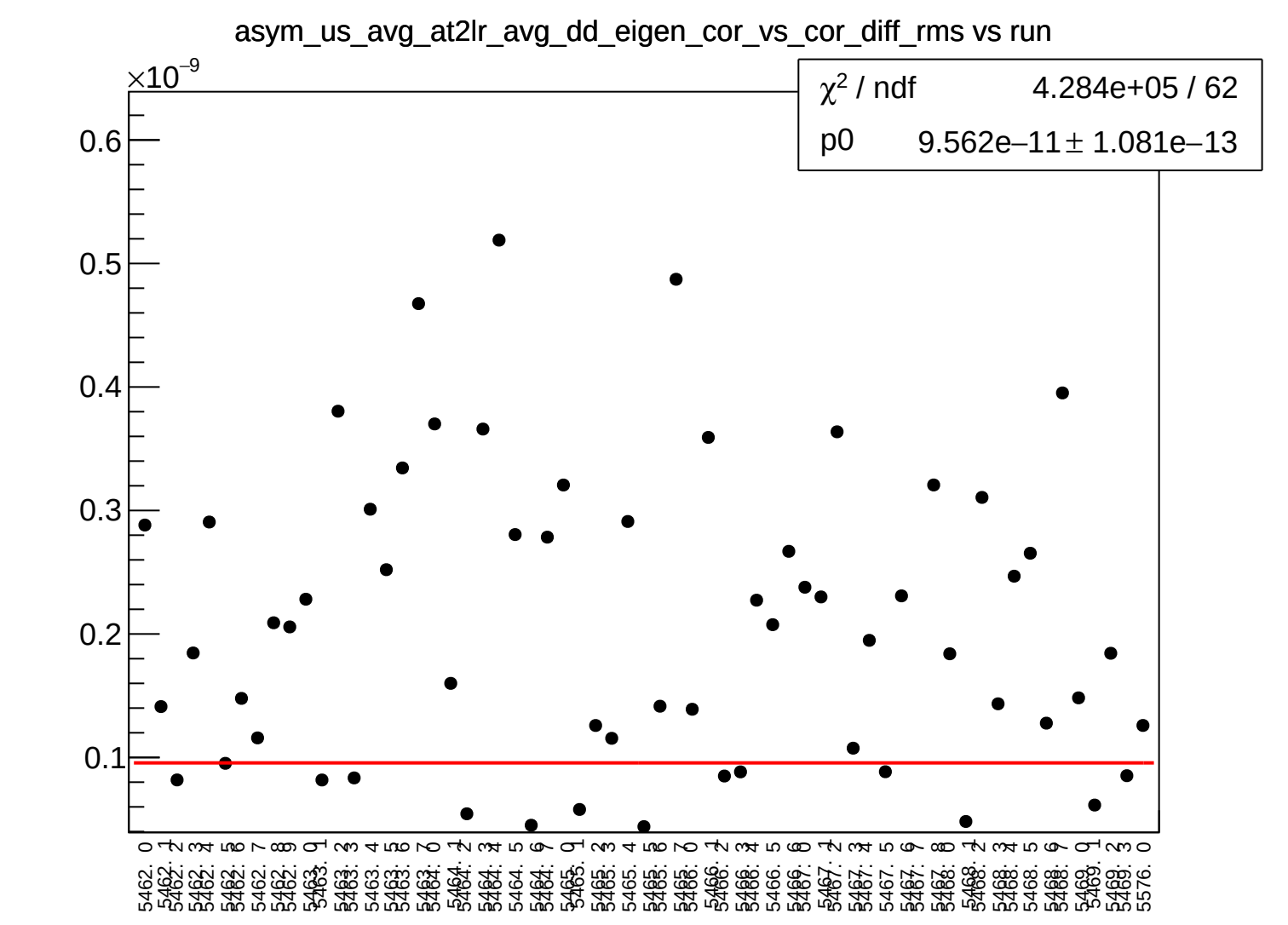

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.234e+04 / 62
p0 739.9 ± 0.6787
1100
1000
900
800
700
600
500
400

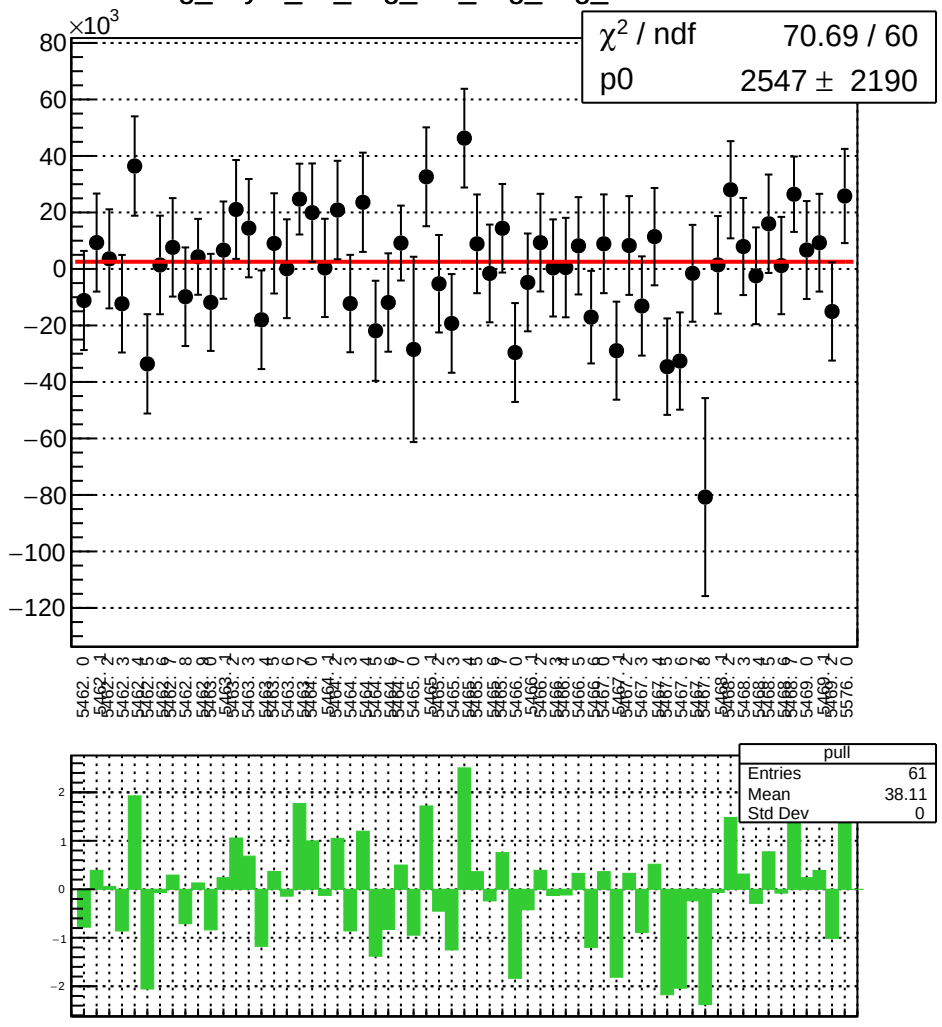

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.46 / 62
p0 0.3611 ± 0.9599
pull
Entries 63
Mean 248.9
Std Dev 0
pull1D
Entries 63
Mean −0.01017
Std Dev 1.035

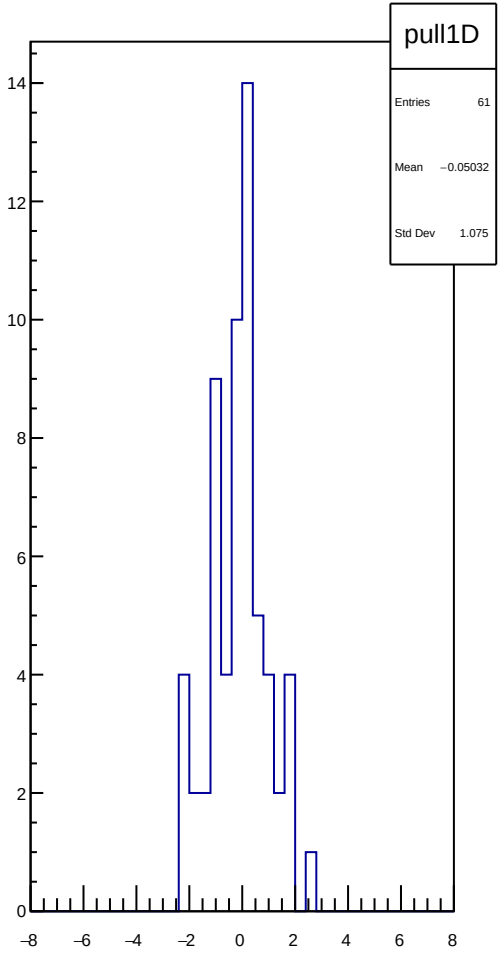

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.234e+04 / 62
p0 739.9 ± 0.6787
1100
1000
900
800
700
600
500
400

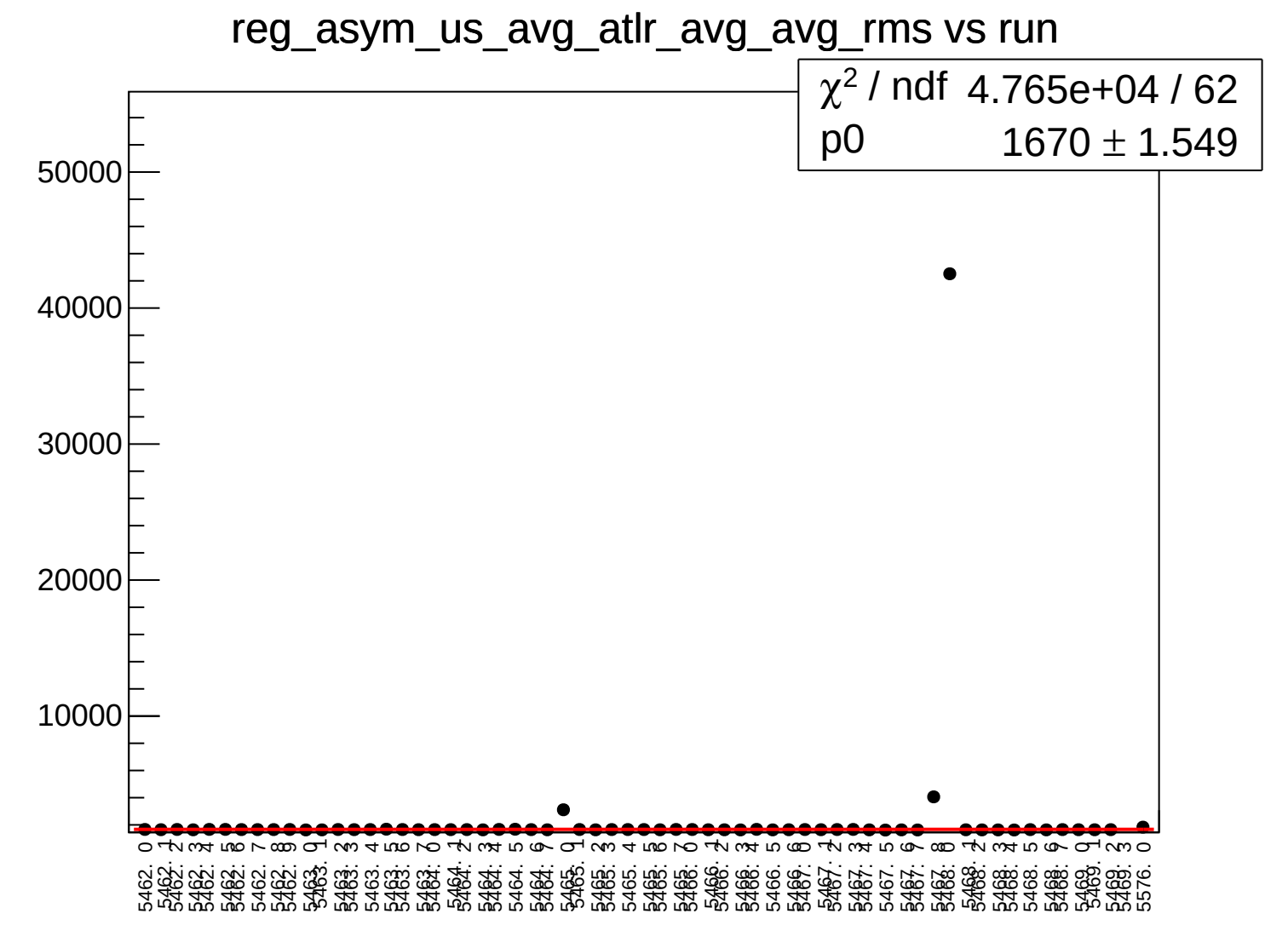

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.58 / 62
p0 −1.144e−13 ± 1.529e−13
pull
Entries 63
Mean 121.1
Std Dev 0

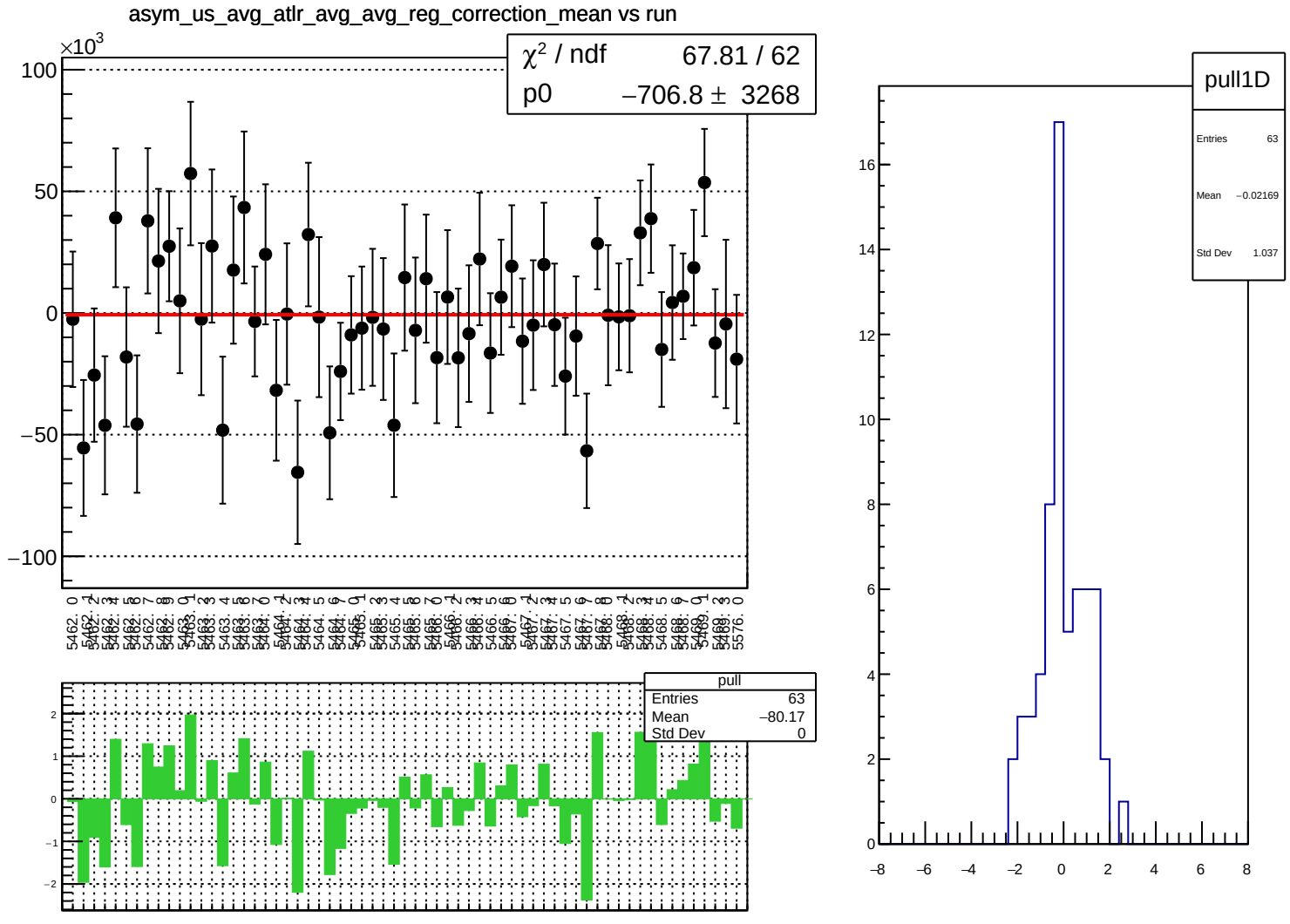

pull1D
Entries 63
Mean 0.01833
Std Dev 0.8596

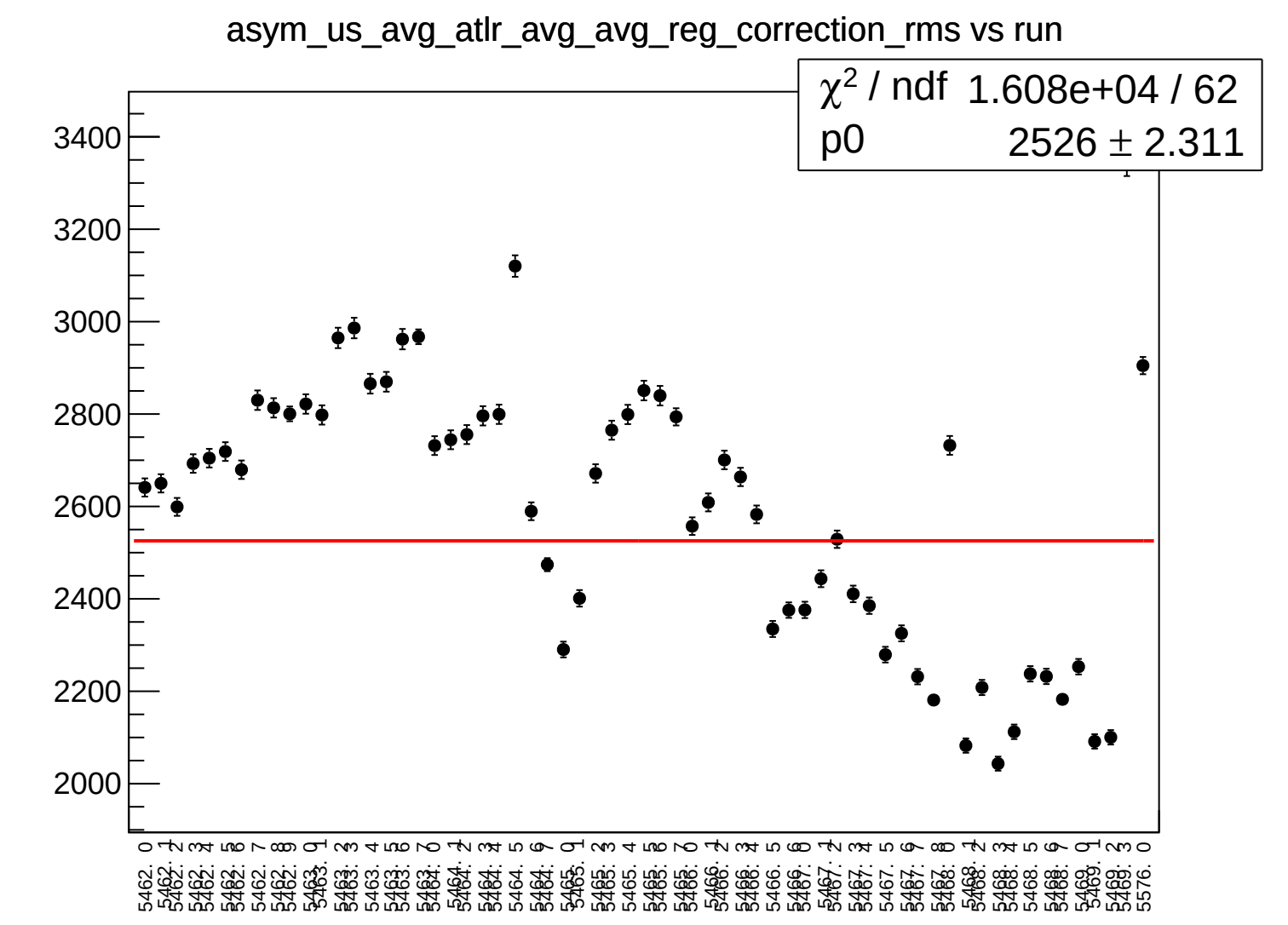

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.284e+05 / 62
p0 9.562e−11 ± 1.081e−13
0.6
0.5
0.4
0.3
0.2
0.1

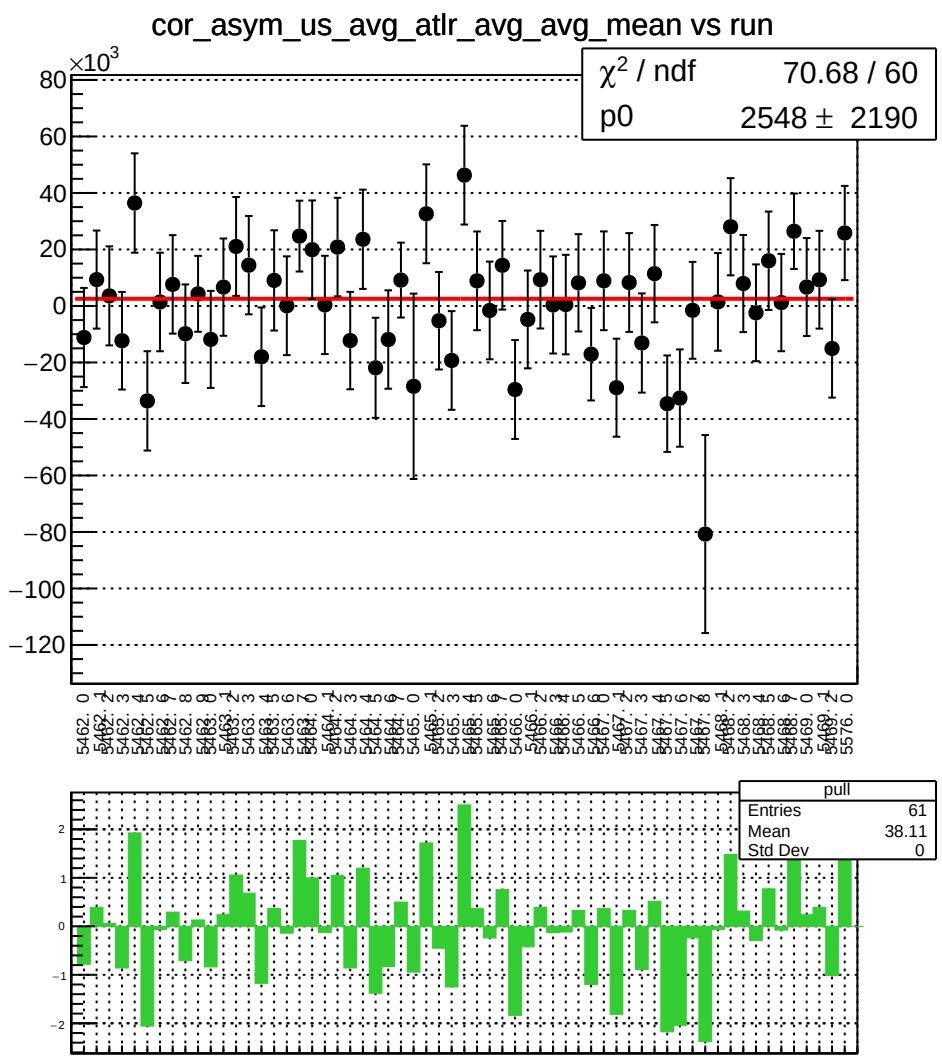

reg_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 70.69 / 60
p0 2547 ± 2190
pull
Entries 61
Mean 38.11
Std Dev 0

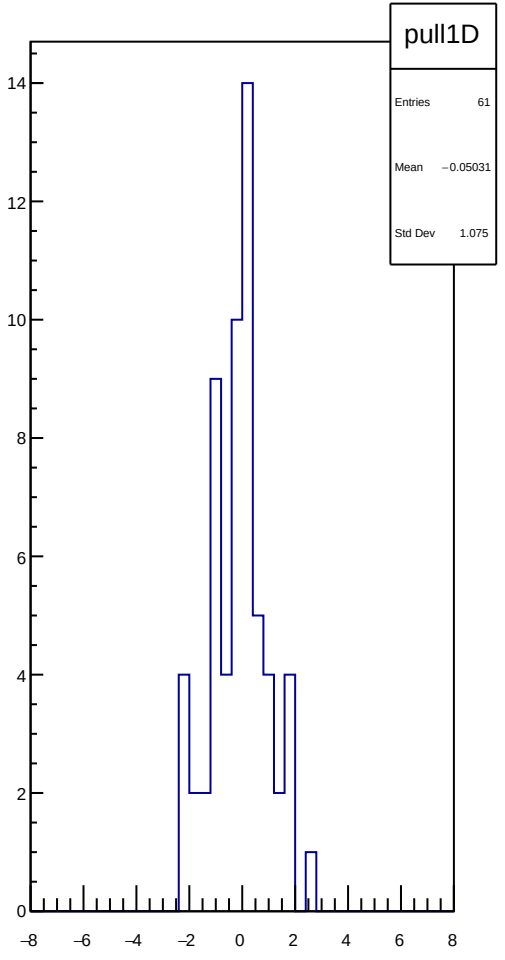

pull1D
Entries 61
Mean −0.05032
Std Dev 1.075

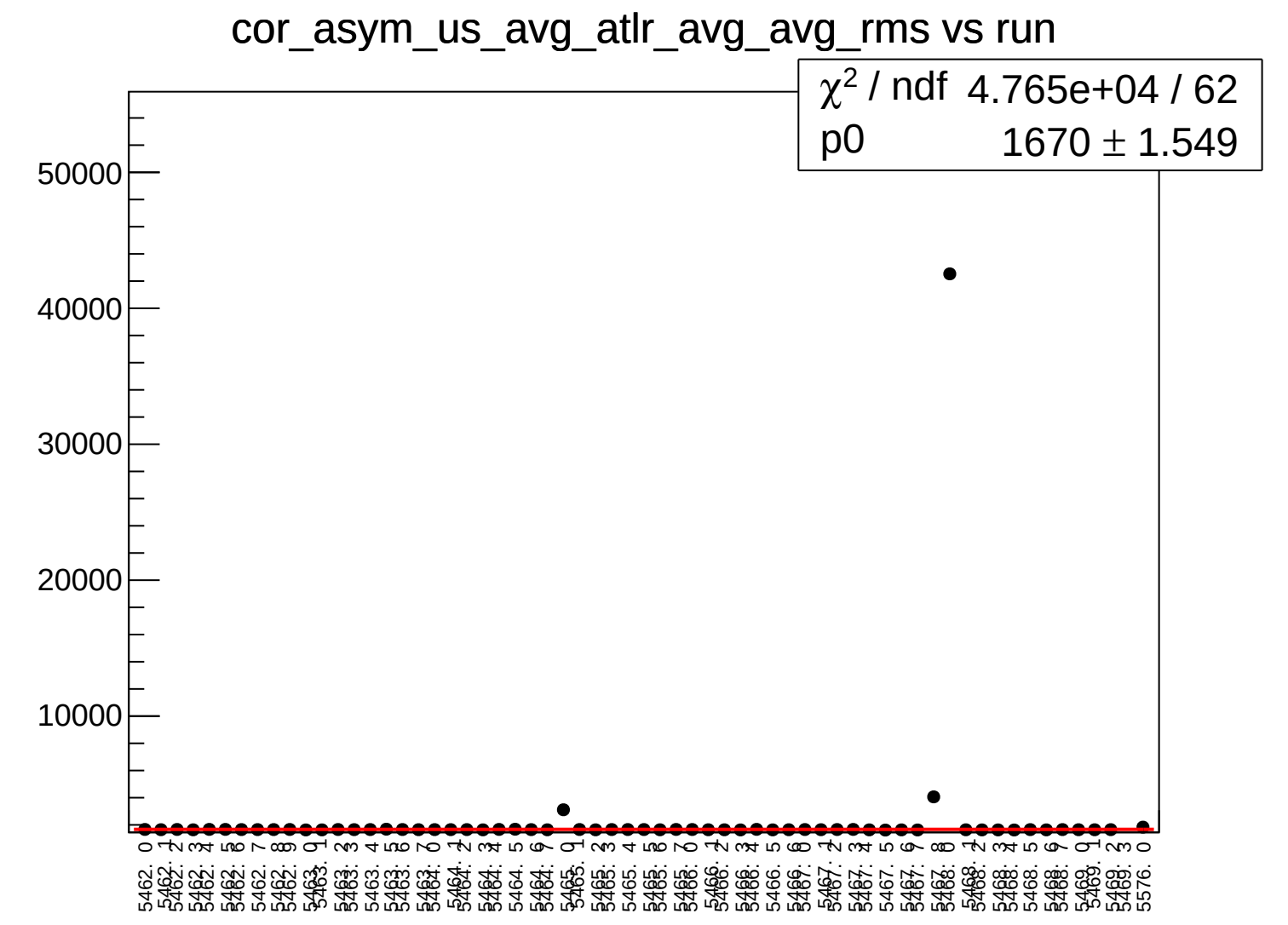

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 4.765e+04 / 62
p0 1670 ± 1.549
50000
40000
30000
20000
10000

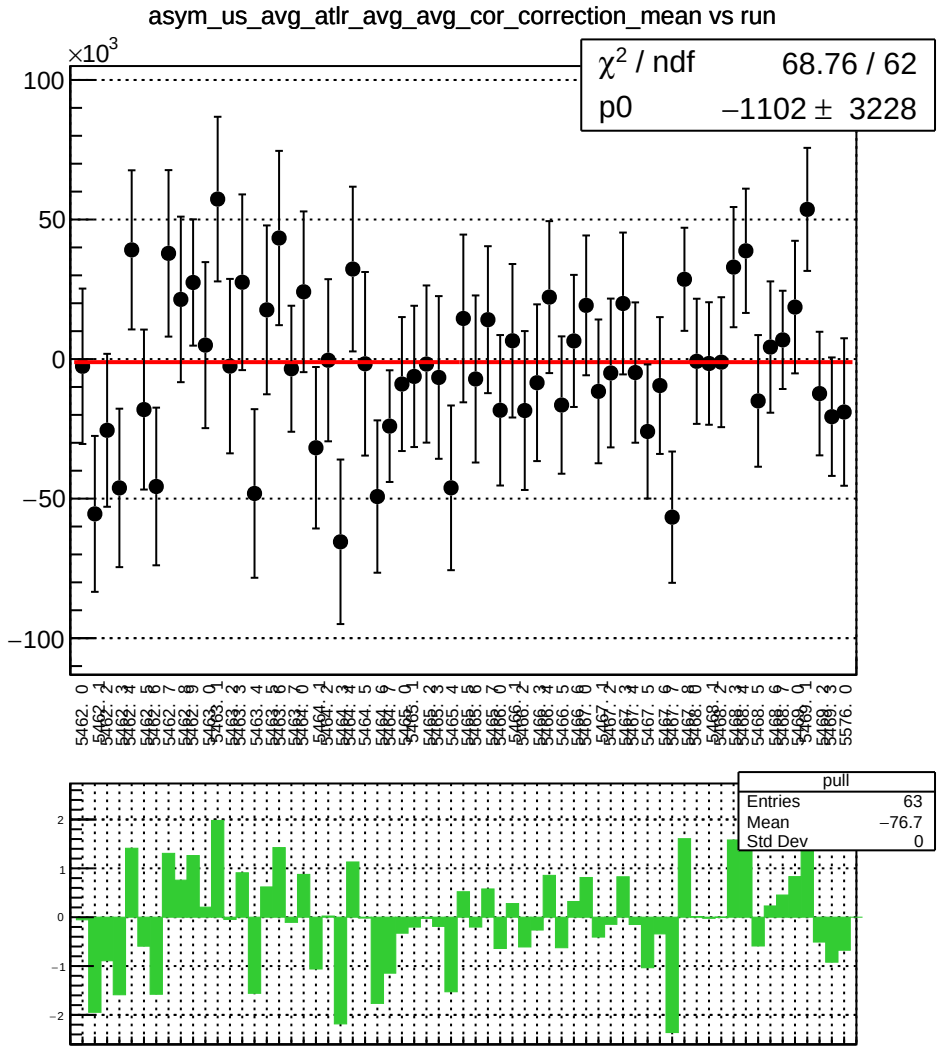

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 67.81 / 62
p0 −706.8 ± 3268
pull
Entries 63
Mean −80.17
Std Dev 0
pull1D
Entries 63
Mean −0.02169
Std Dev 1.037

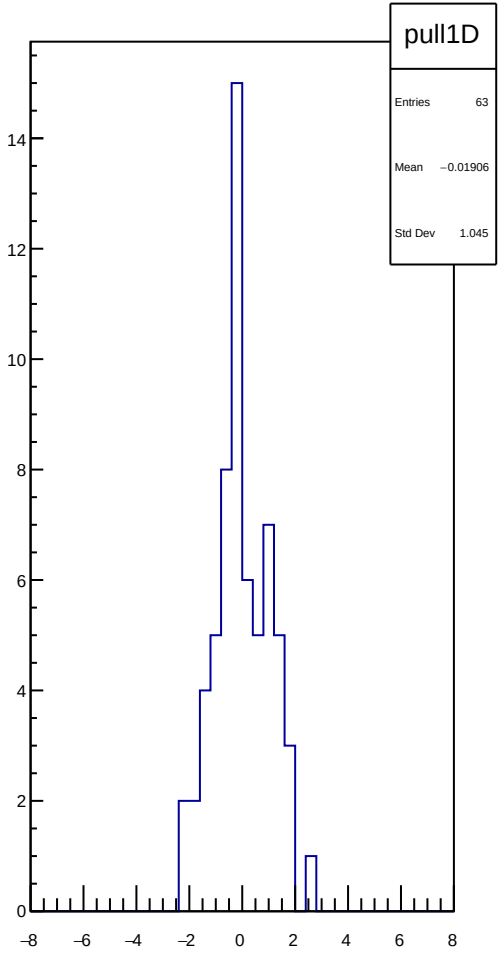

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.608e+04 / 62
p0 2526 ± 2.311
3400
3200
3000
2800
2600
2400
2200
2000

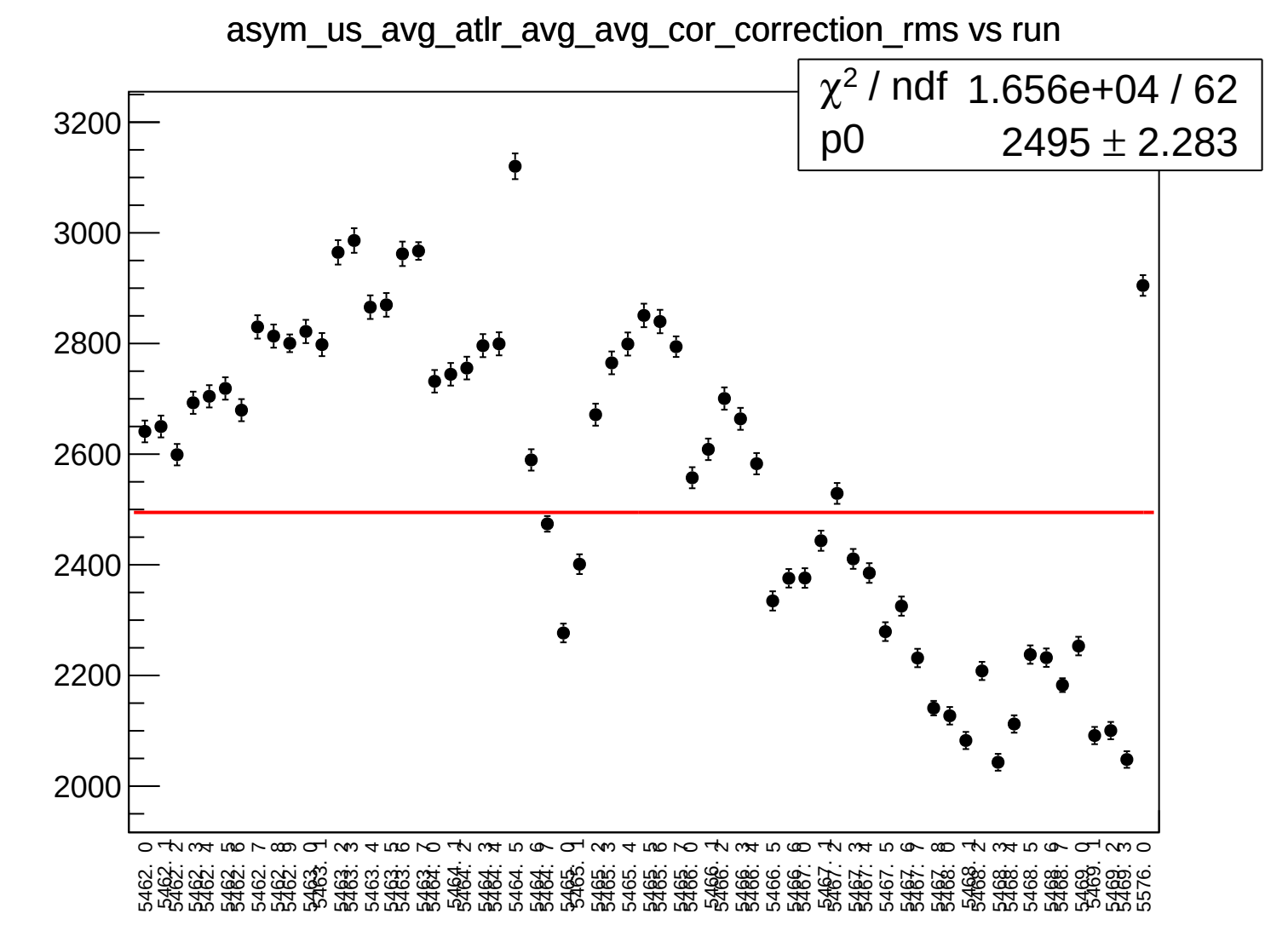

cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 70.68 / 60
p0 2548 ± 2190
pull
Entries 61
Mean 38.11
Std Dev 0


pull1D
Entries 61
Mean −0.05031
Std Dev 1.075


cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 4.765e+04 / 62
p0 1670 ± 1.549
50000
40000
30000
20000
10000


asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.76 / 62
p0 −1102 ± 3228
pull
Entries 63
Mean −76.7
Std Dev 0


pull1D
Entries 63
Mean −0.01906
Std Dev 1.045


asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.656e+04 / 62
p0 2495 ± 2.283
3200
3000
2800
2600
2400
2200
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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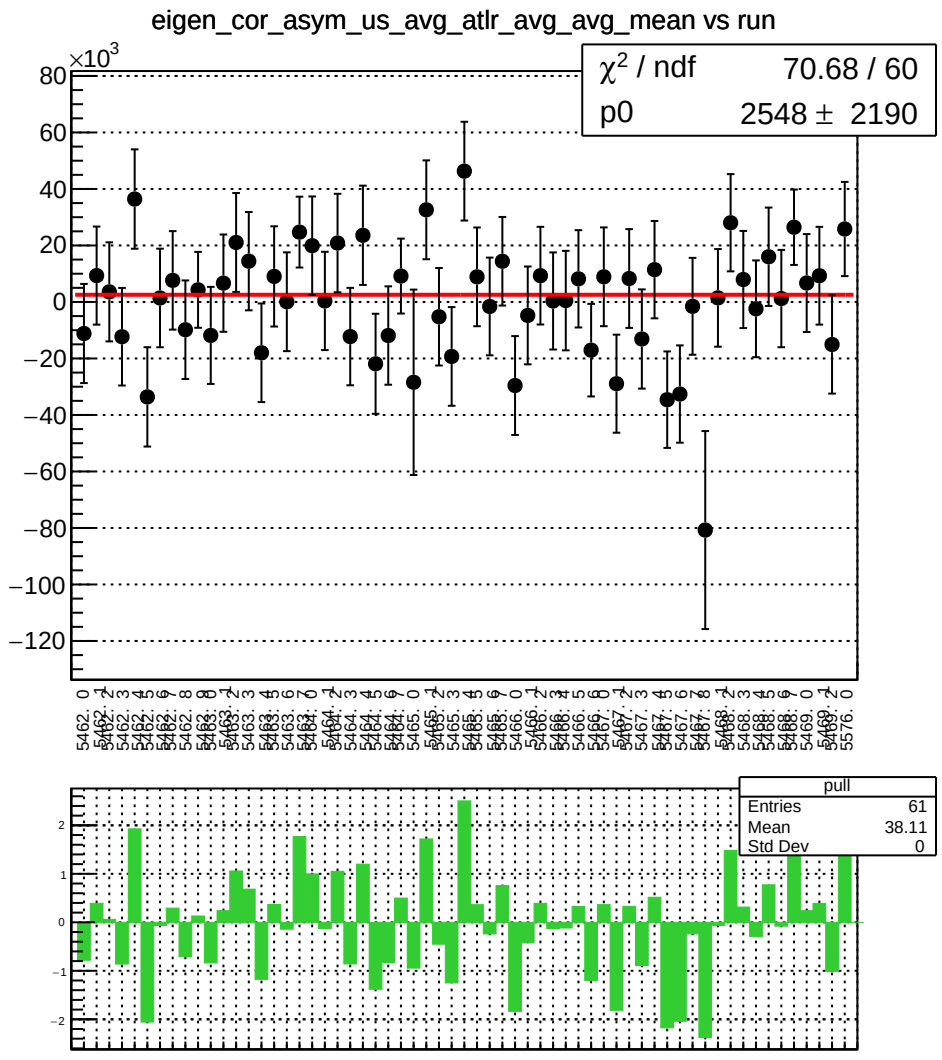
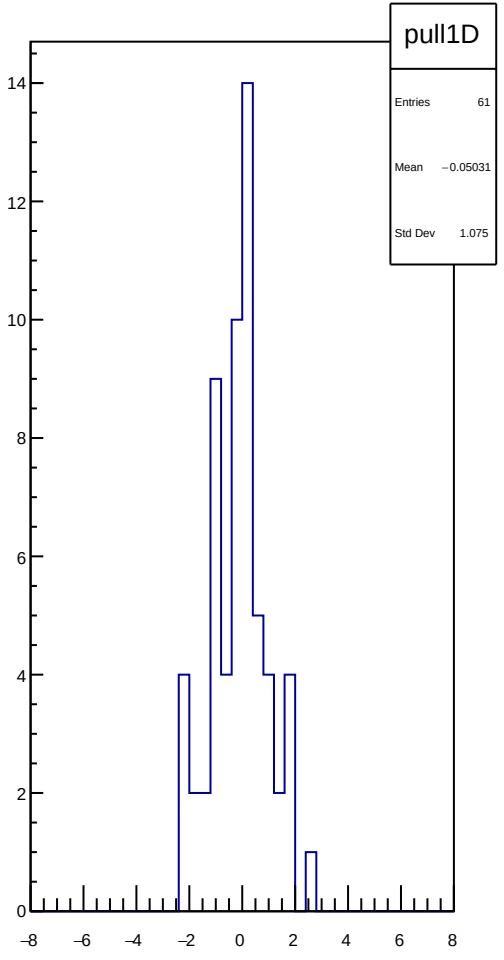
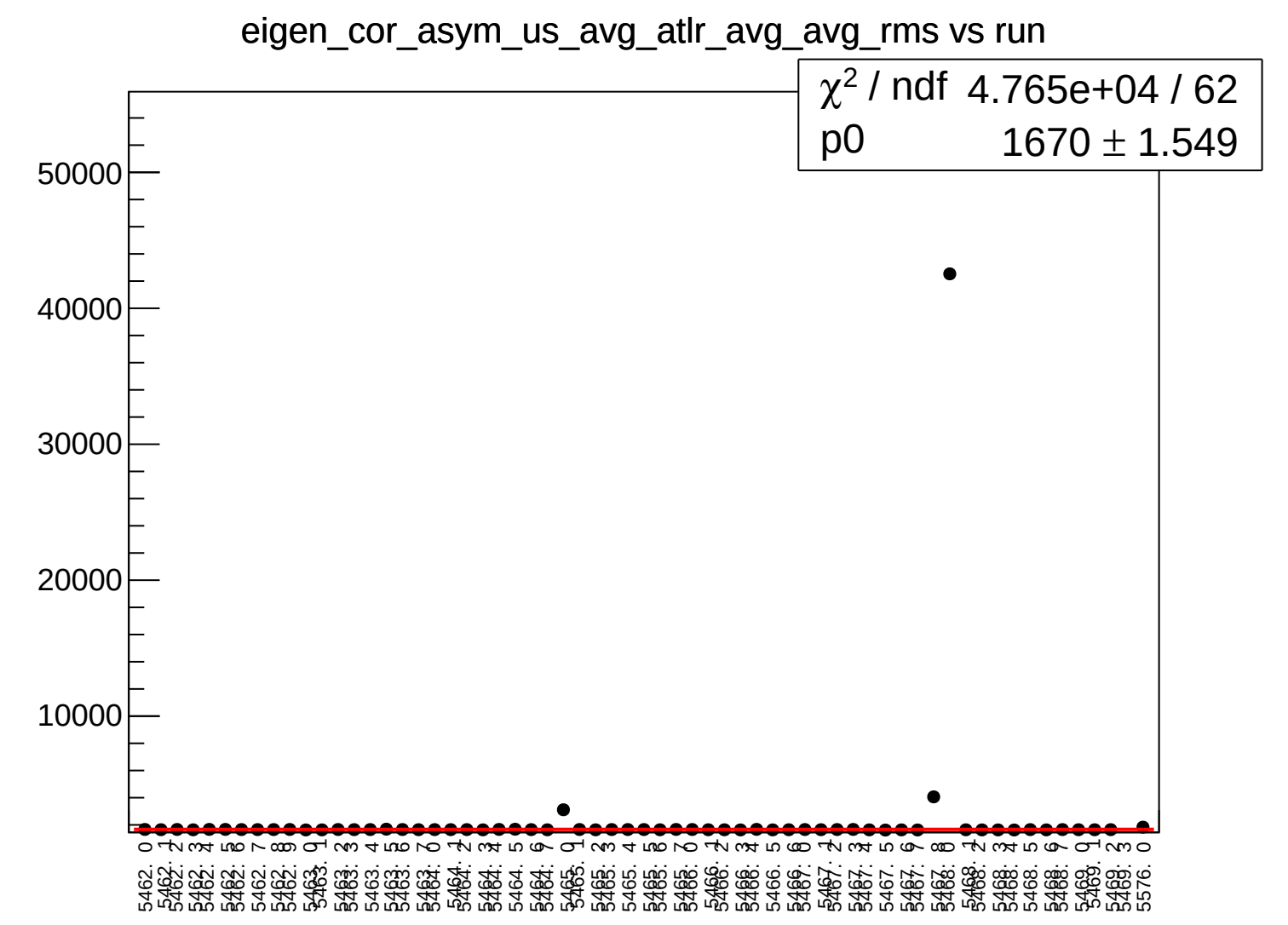
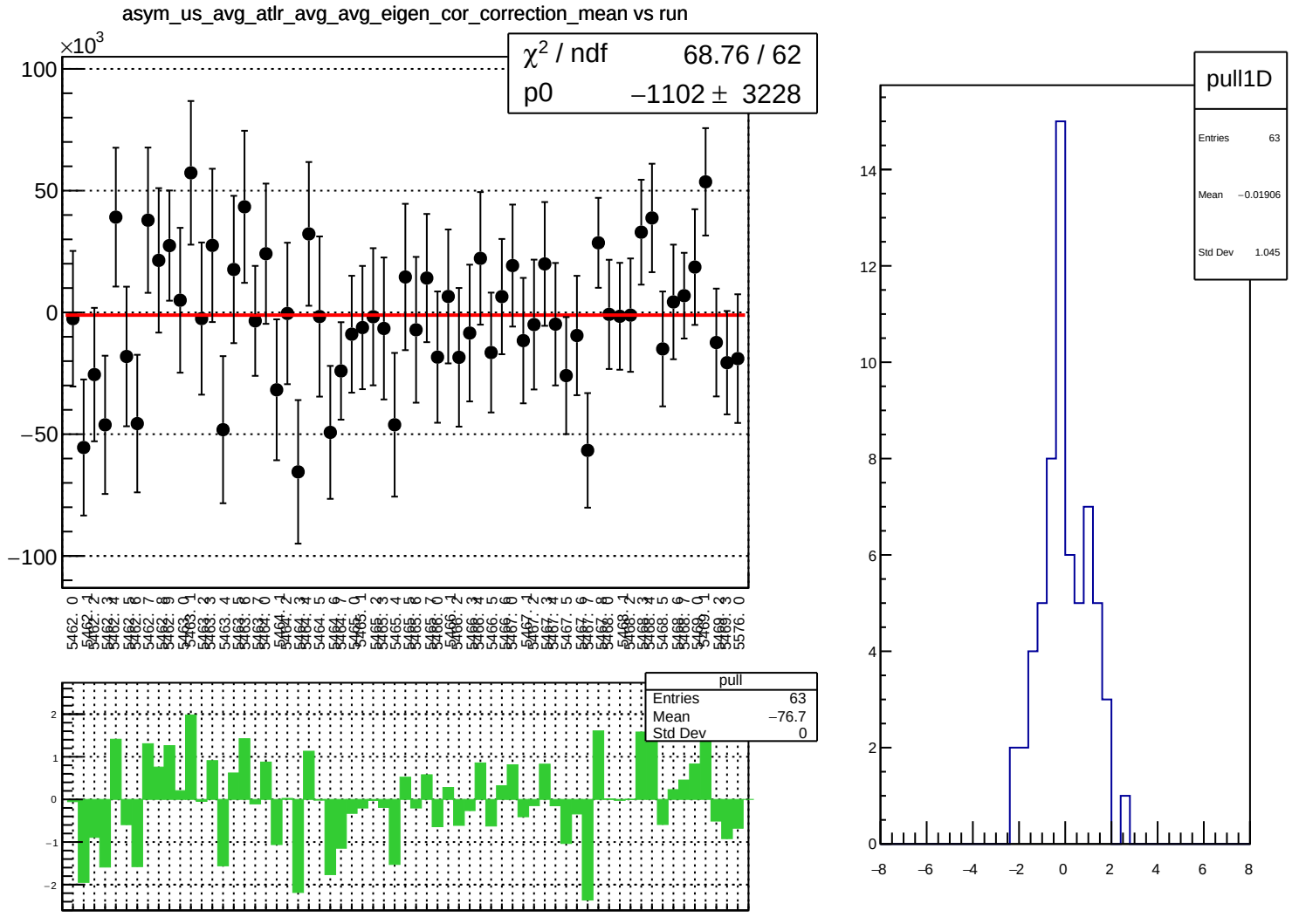
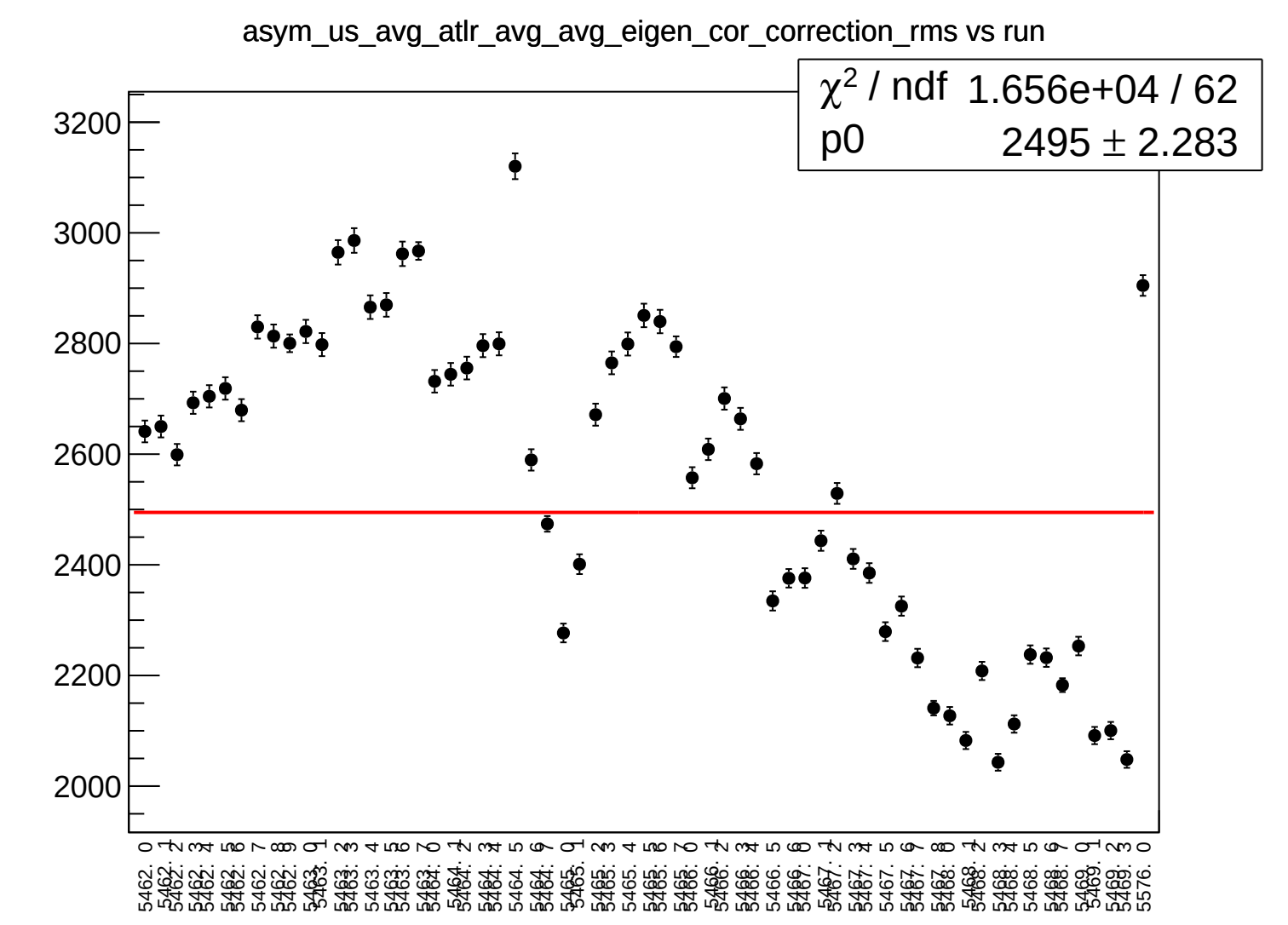
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 70.68 / 60
p0 2548 ± 2190
×10³
pull
Entries 61
Mean 38.11
Std Dev 0


pull1D
Entries 61
Mean −0.05031
Std Dev 1.075


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 4.765e+04 / 62
p0 1670 ± 1.549
50000
40000
30000
20000
10000


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.76 / 62
p0 −1102 ± 3228
pull
Entries 63
Mean −76.7
Std Dev 0
pull1D
Entries 63
Mean −0.01906
Std Dev 1.045


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.656e+04 / 62
p0 2495 ± 2.283
3200
3000
2800
2600
2400
2200
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
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5465. 6
5465. 7
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5468. 2
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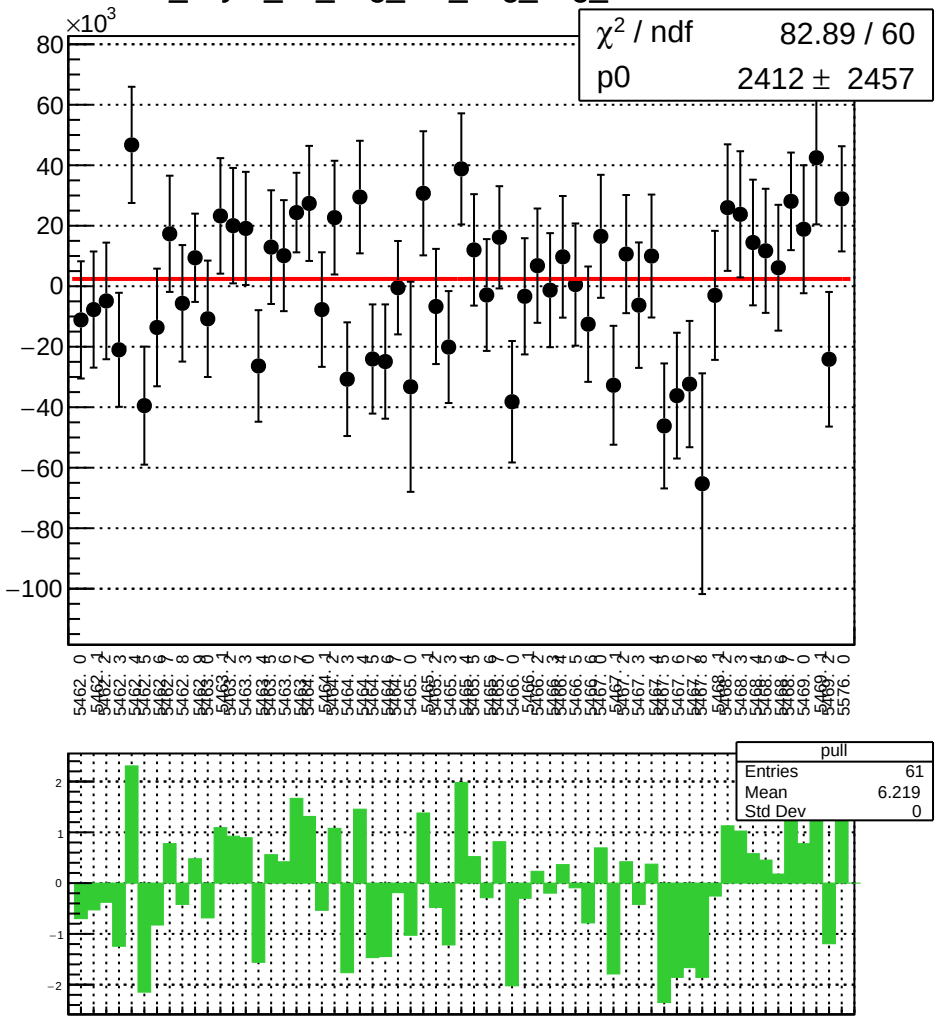
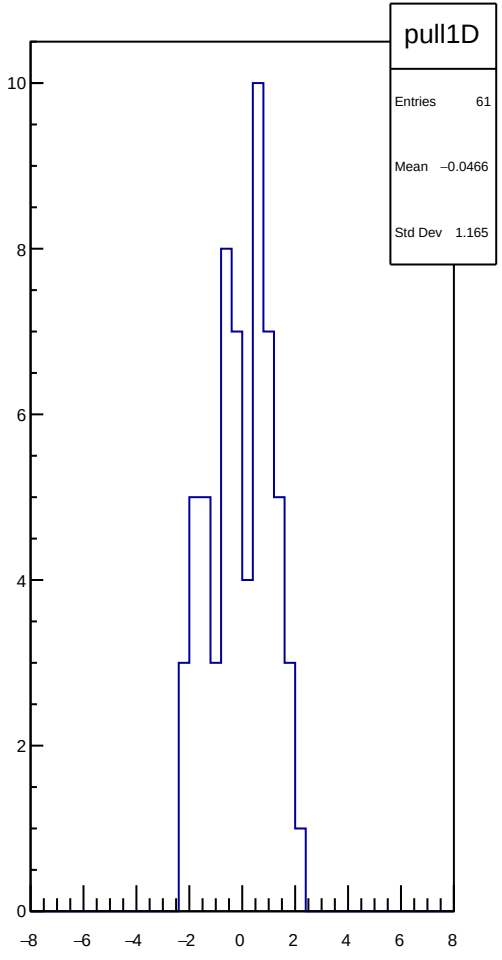
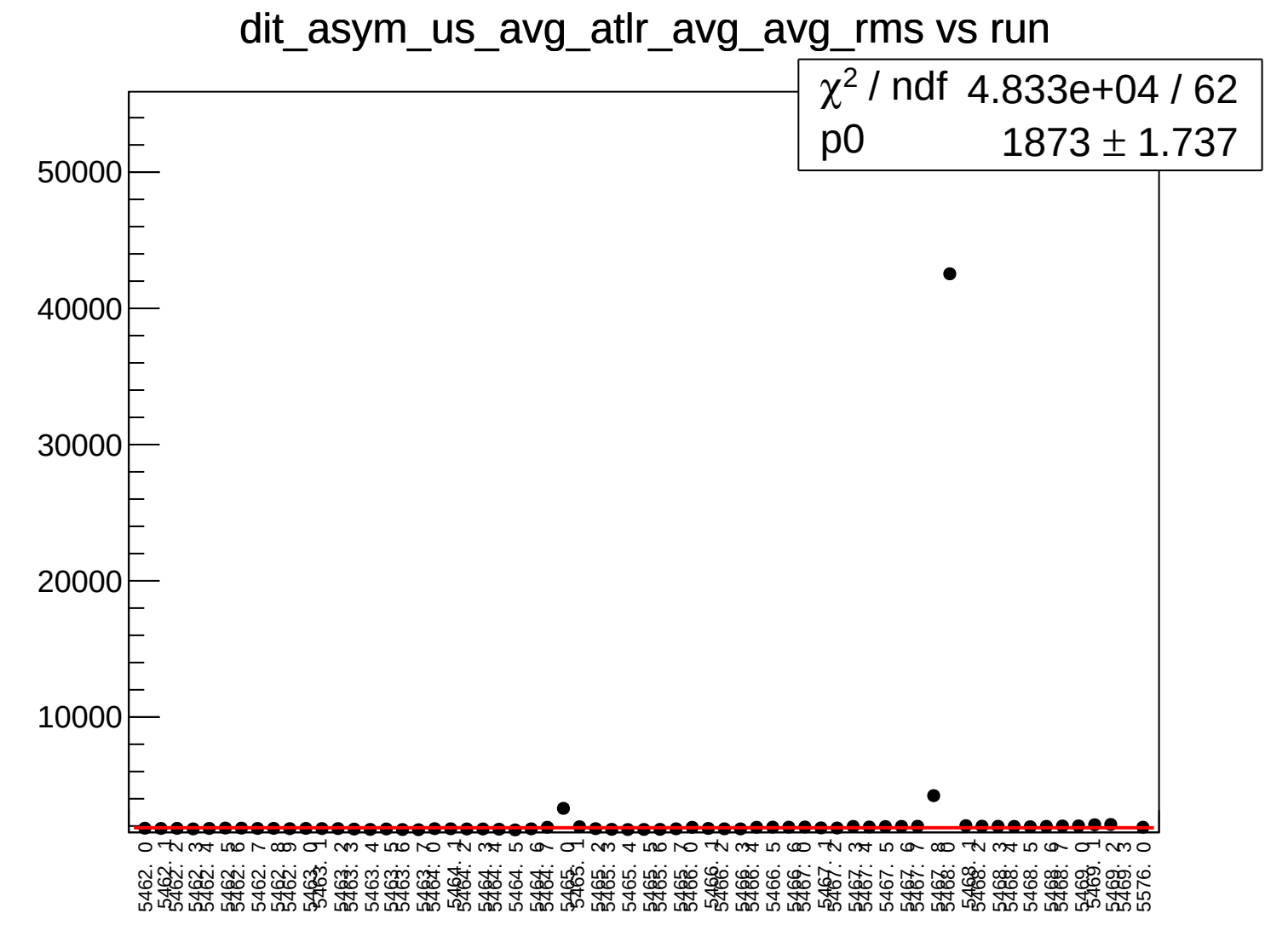
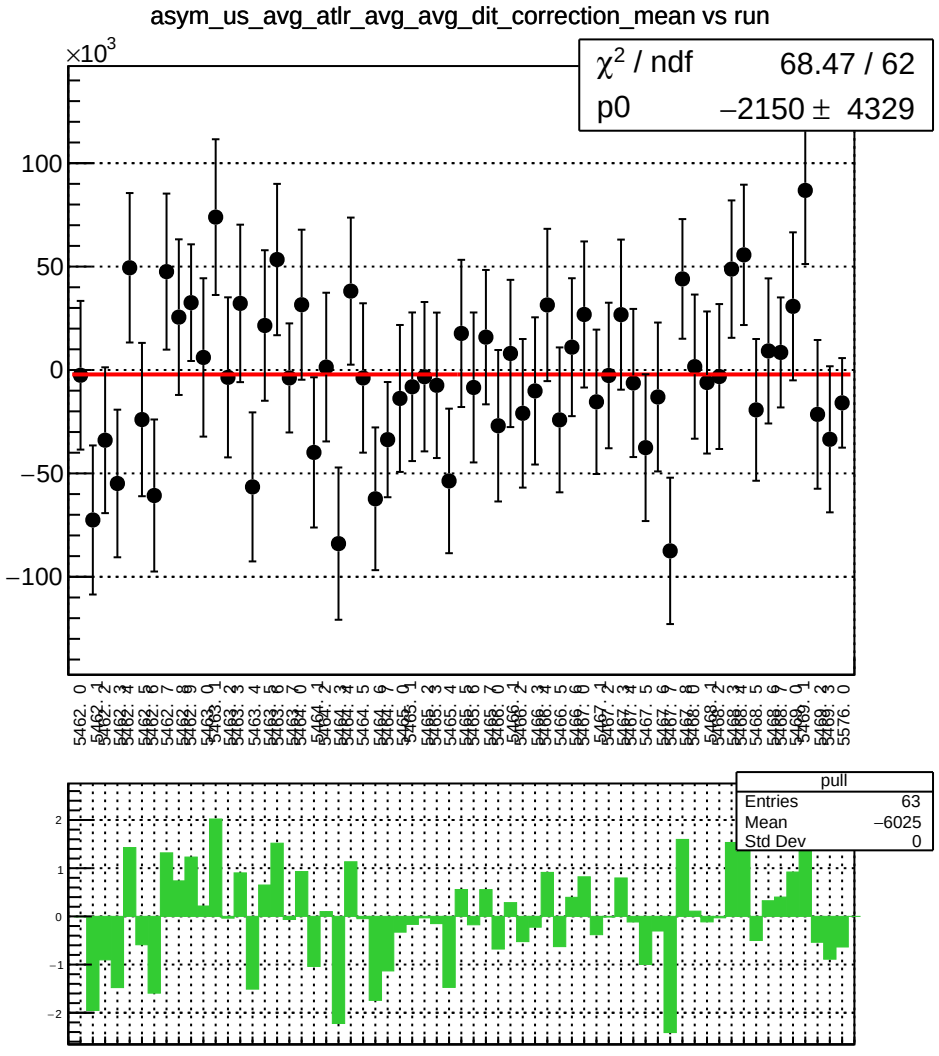
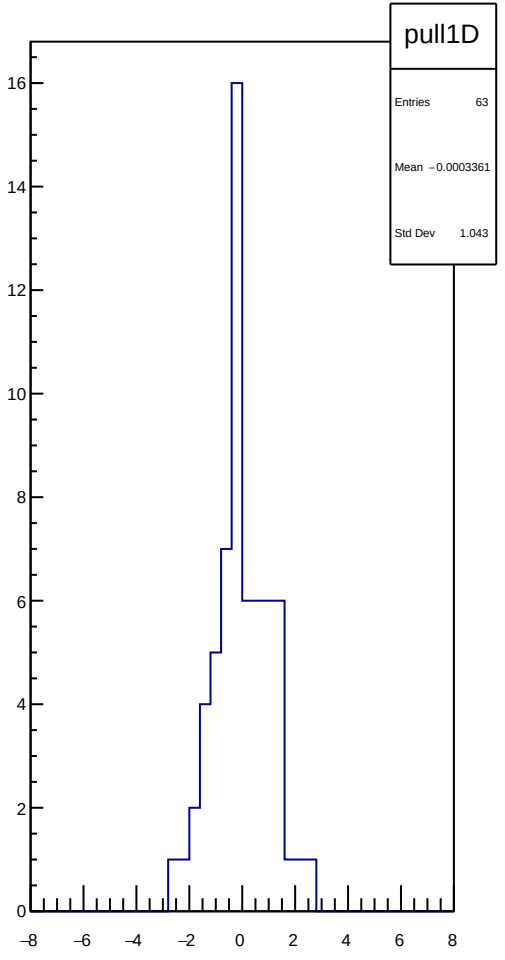
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

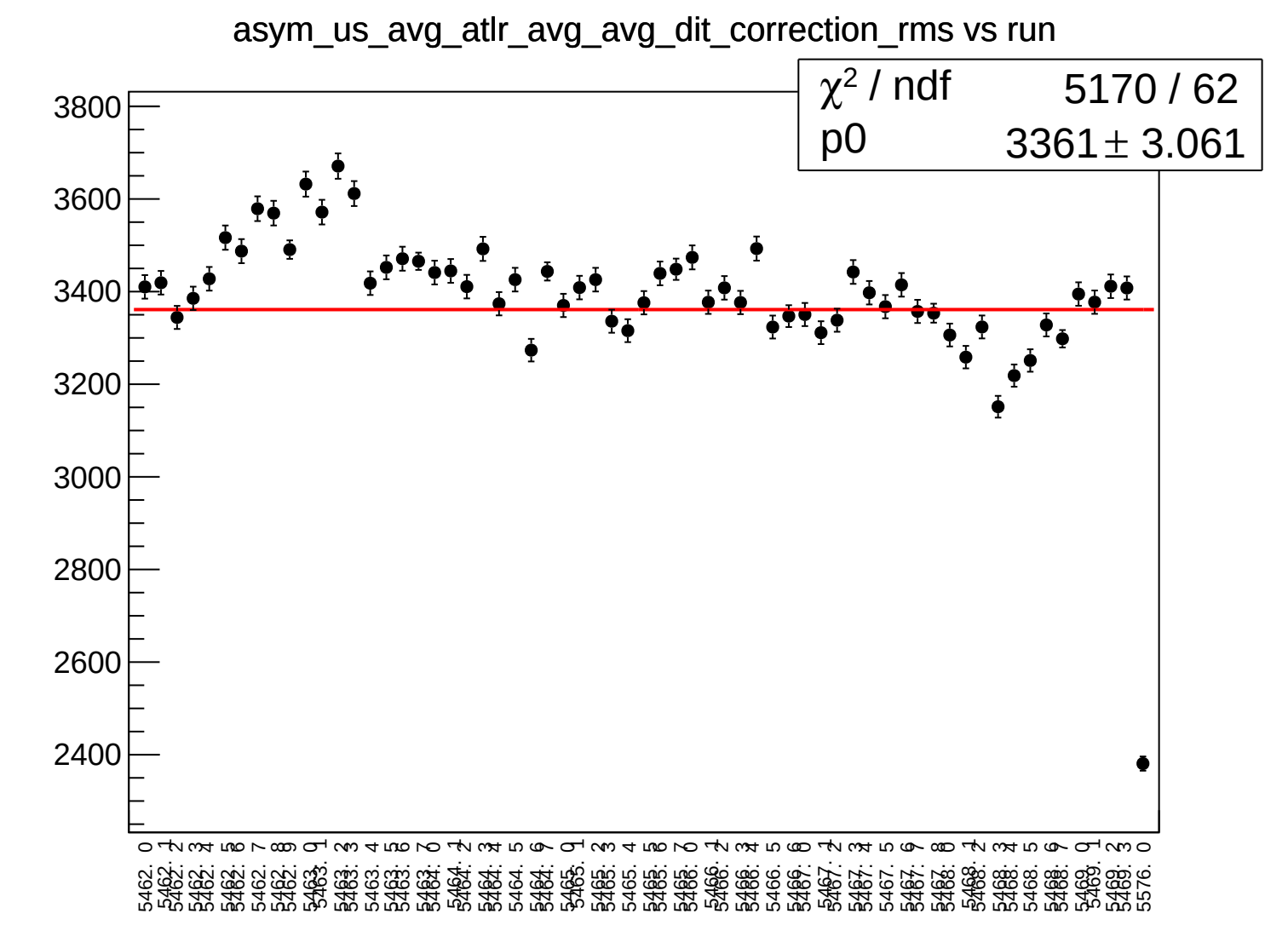

dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 82.89 / 60
p0 2412 ± 2457
pull
Entries 61
Mean 6.219
Std Dev 0


pull1D
Entries 61
Mean −0.0466
Std Dev 1.165


dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 4.833e+04 / 62
p0 1873 ± 1.737
50000
40000
30000
20000
10000


asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 68.47 / 62
p0 −2150 ± 4329
100
50
0
−50
−100
pull
Entries 63
Mean −6025
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.0003361
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 5170 / 62
p0 3361 ± 3.061
3800
3600
3400
3200
3000
2800
2600
2400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5463. 7
5464. 0
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5464. 7
5464. 9
5465. 1
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5465. 5
5465. 6
5465. 7
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5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
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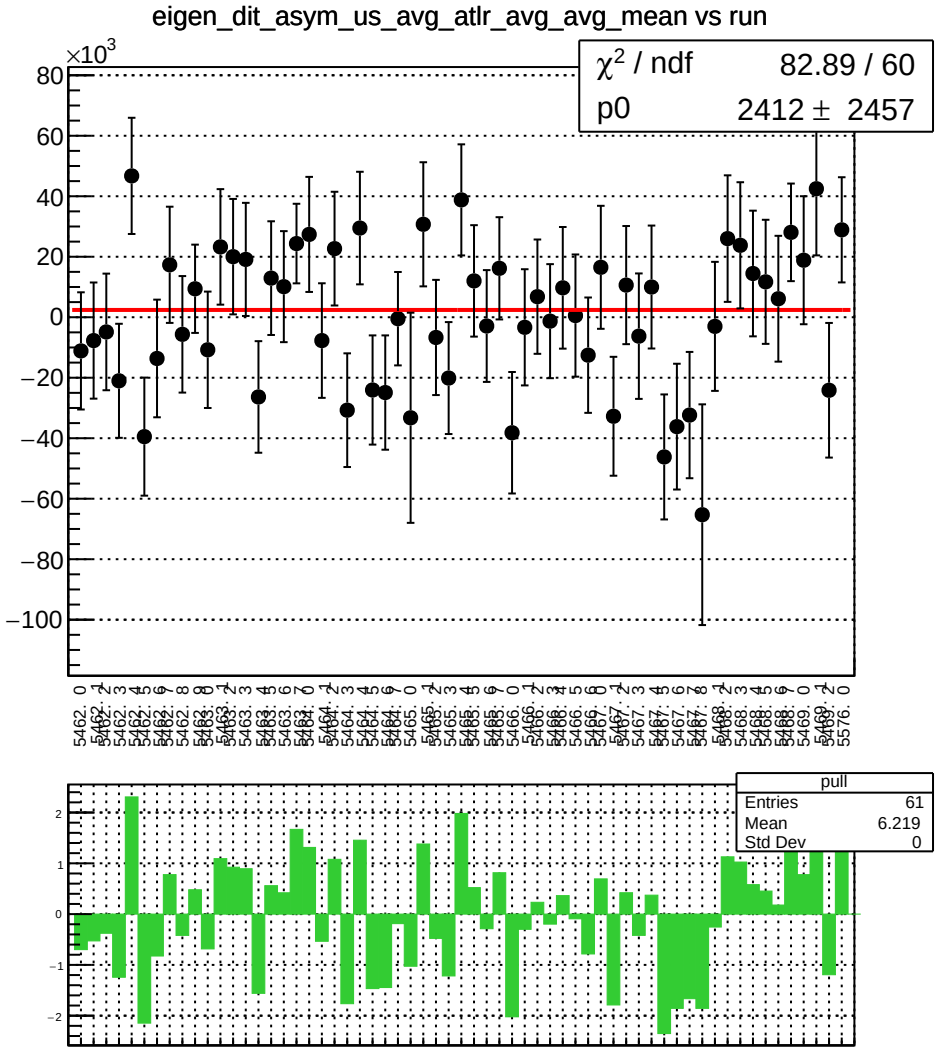
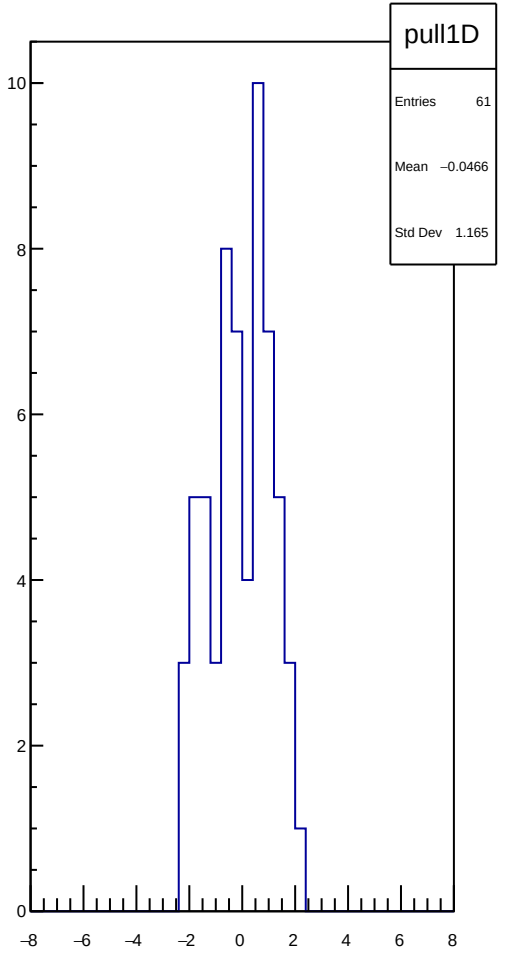
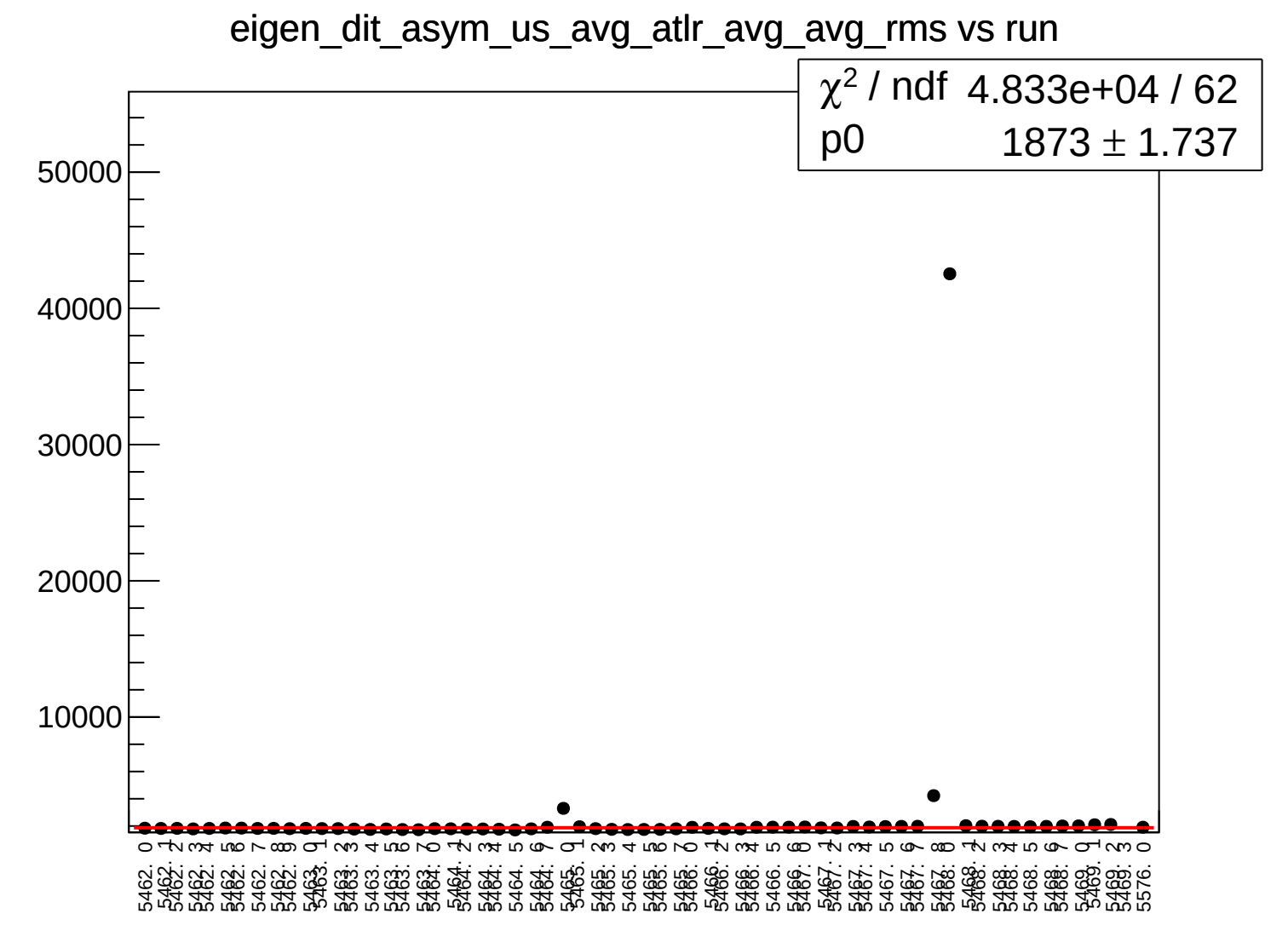
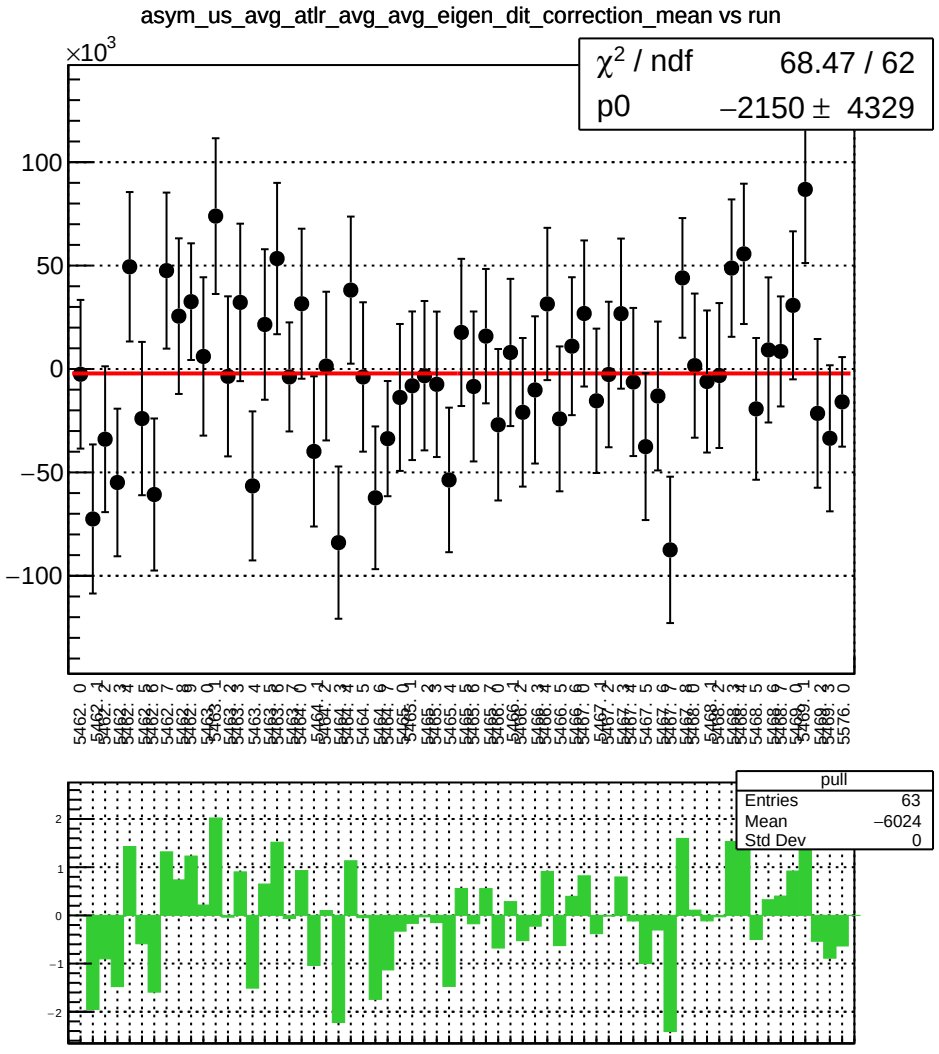
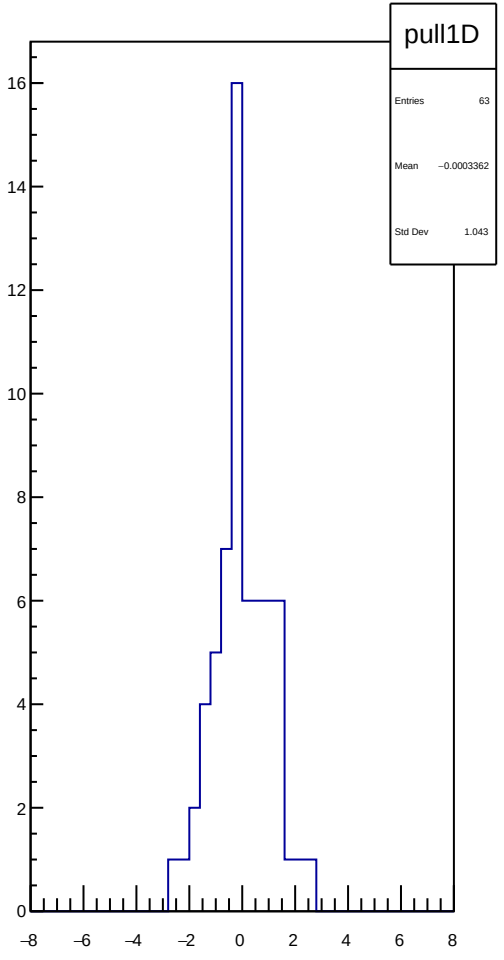
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

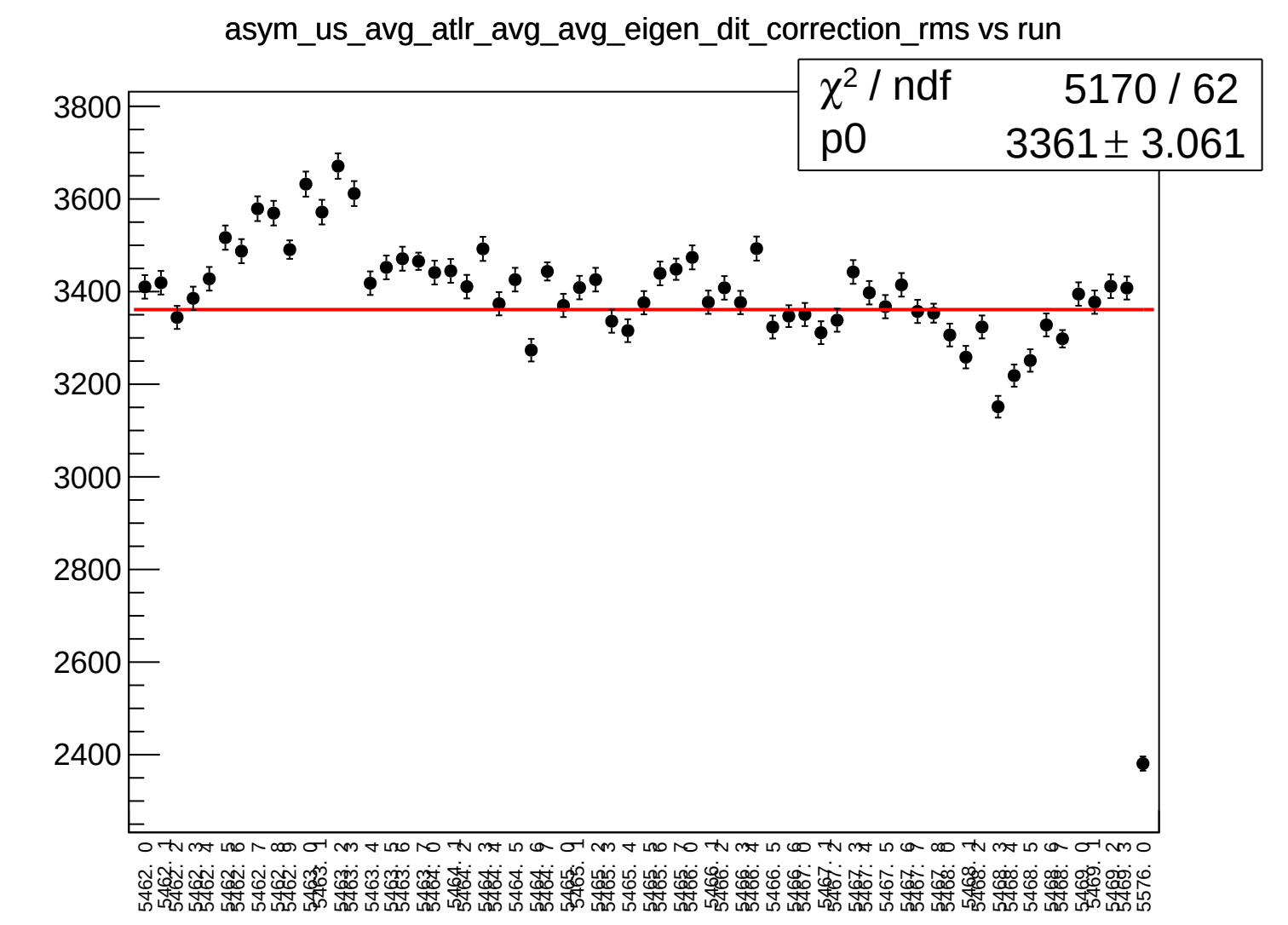

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 82.89 / 60
p0 2412 ± 2457
pull
Entries 61
Mean 6.219
Std Dev 0

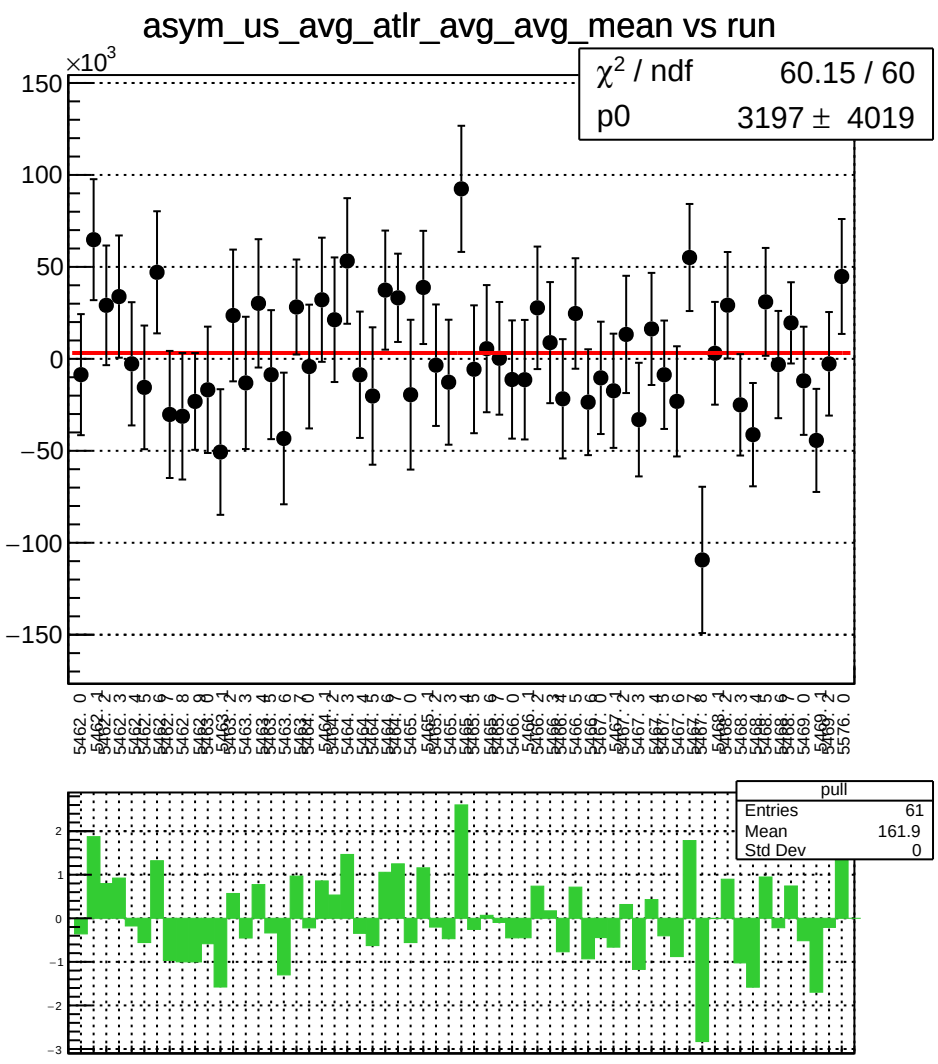

pull1D
Entries 61
Mean −0.0466
Std Dev 1.165

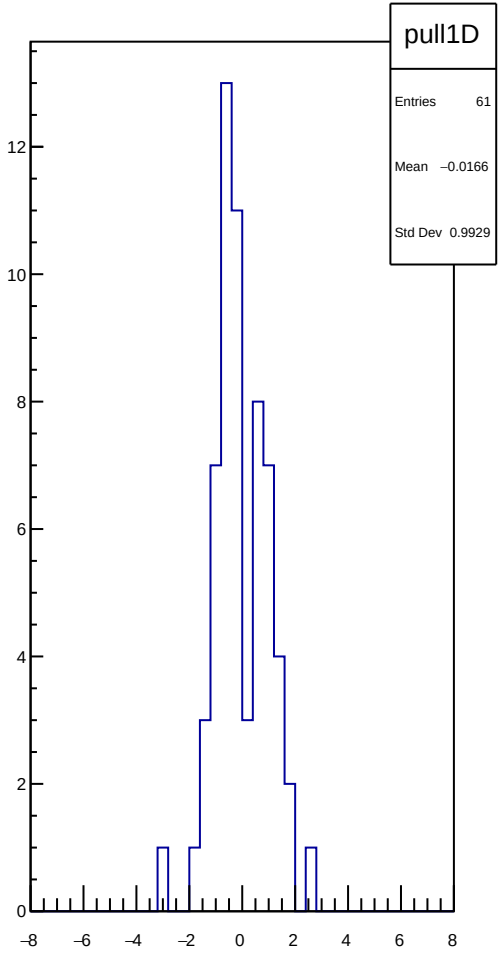

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 4.833e+04 / 62
p0 1873 ± 1.737
50000
40000
30000
20000
10000

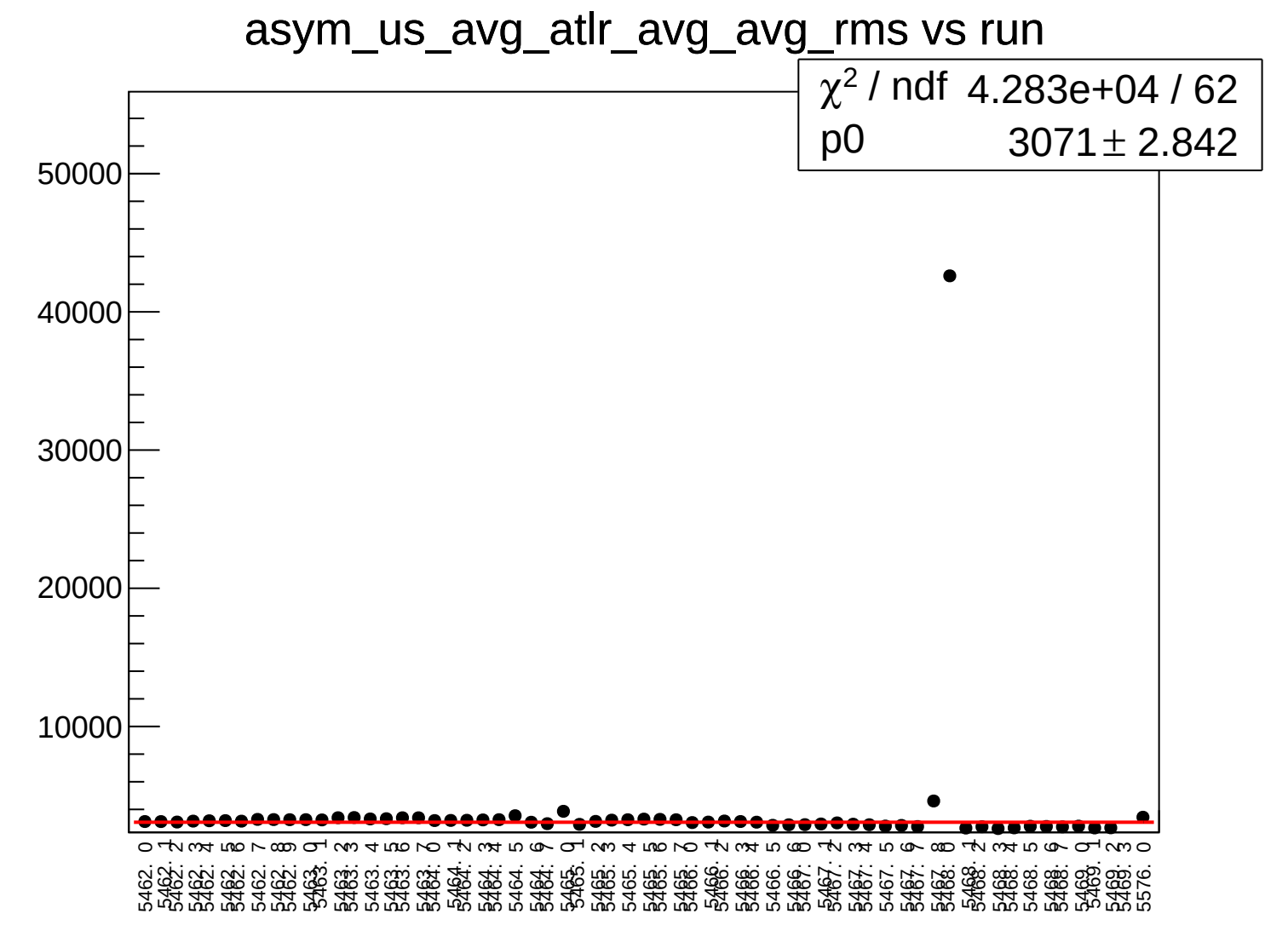

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 68.47 / 62
p0 −2150 ± 4329
100
50
0
−50
−100
pull
Entries 63
Mean −6024
Std Dev 0
2
1
0
−1
−2

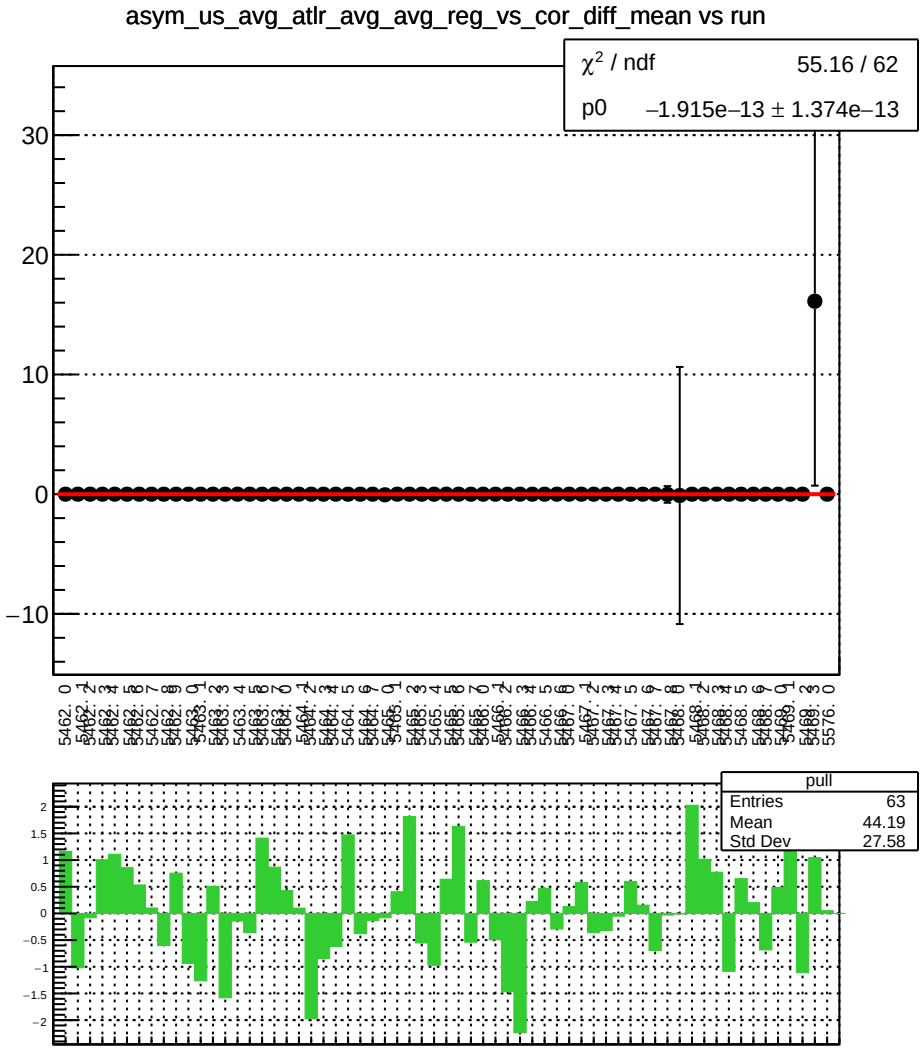

pull1D
Entries 63
Mean −0.0003362
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

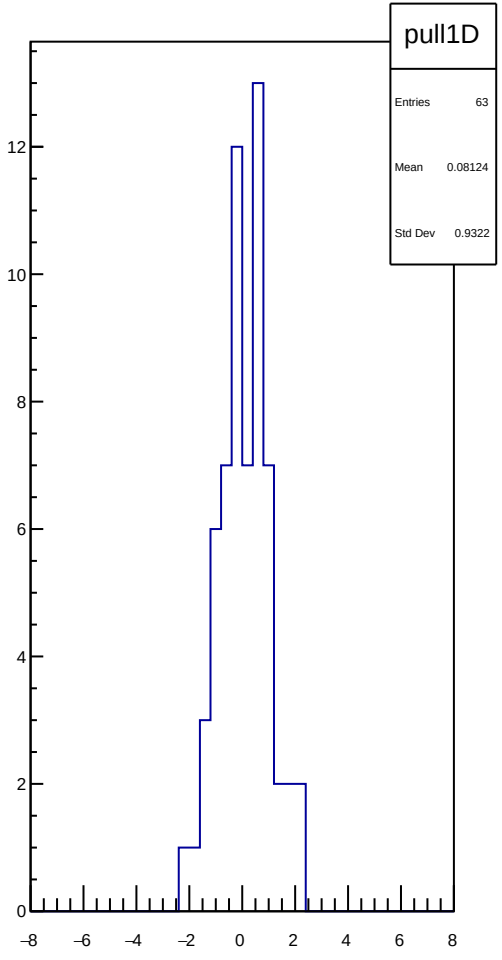

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5170 / 62
p0 3361 ± 3.061
3800
3600
3400
3200
3000
2800
2600
2400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

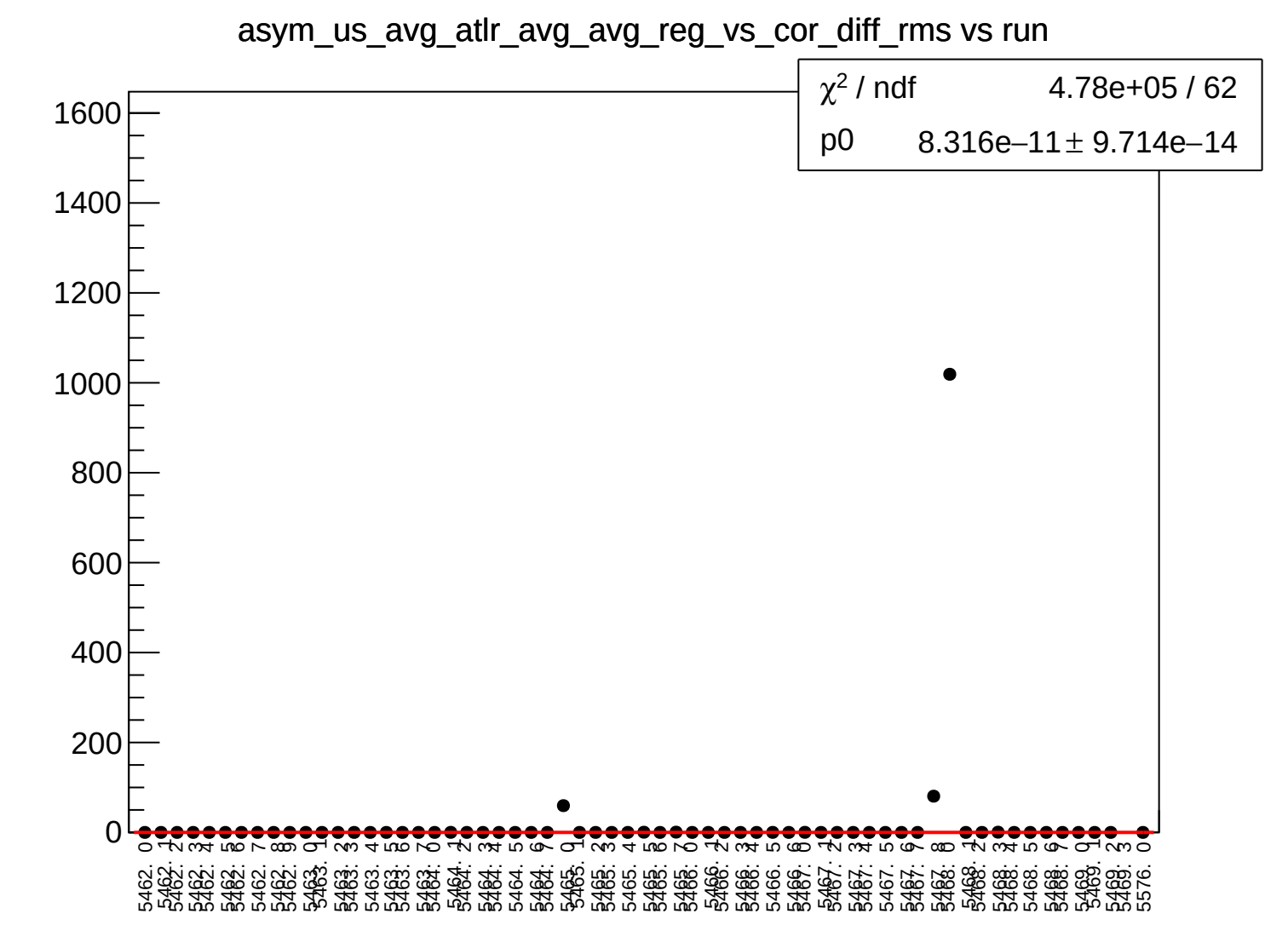

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 60.15 / 60
p0 3197 ± 4019
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 161.9
Std Dev 0
2
1
0
−1
−2
−3

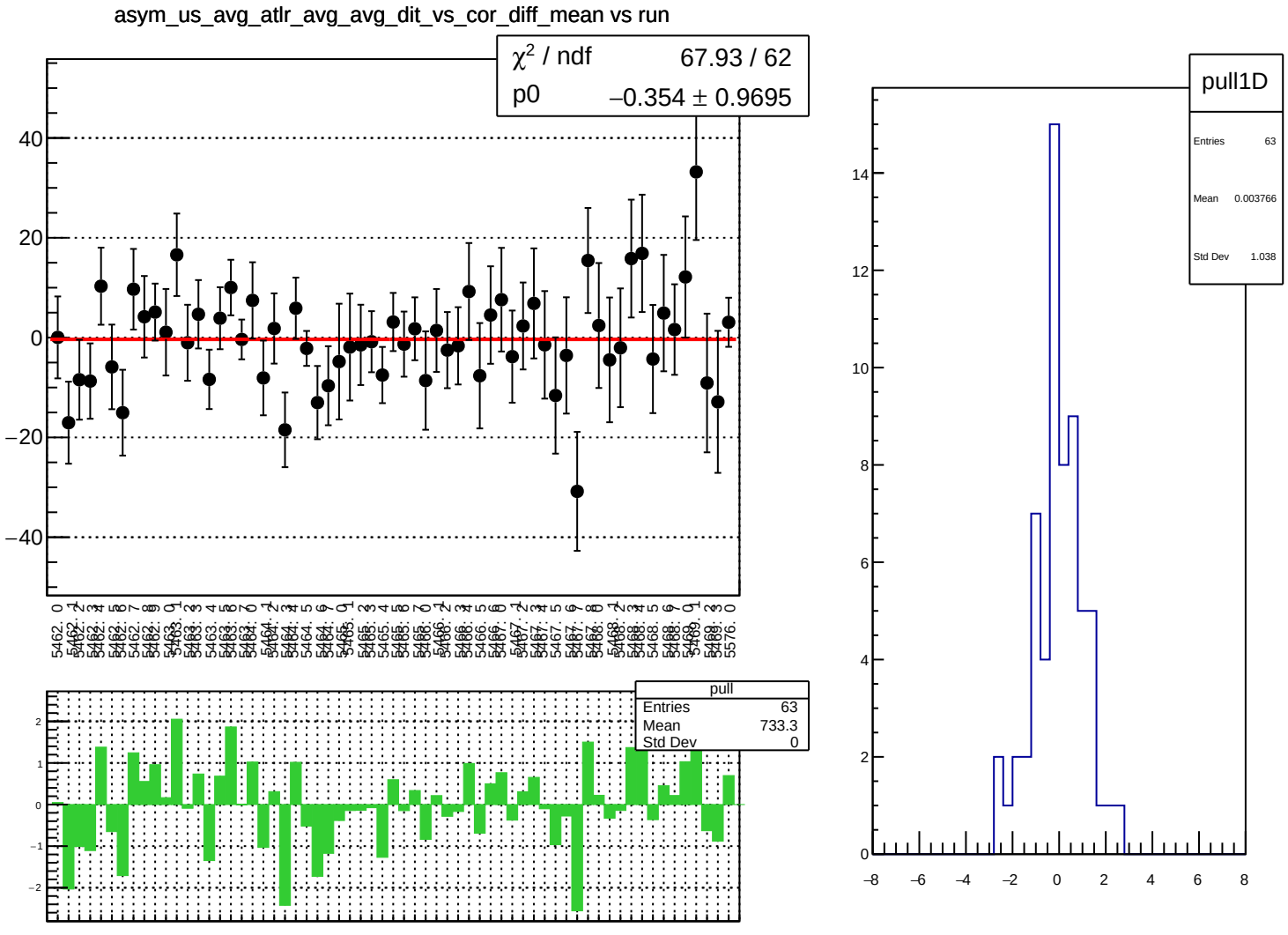

pull1D
Entries 61
Mean −0.0166
Std Dev 0.9929
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

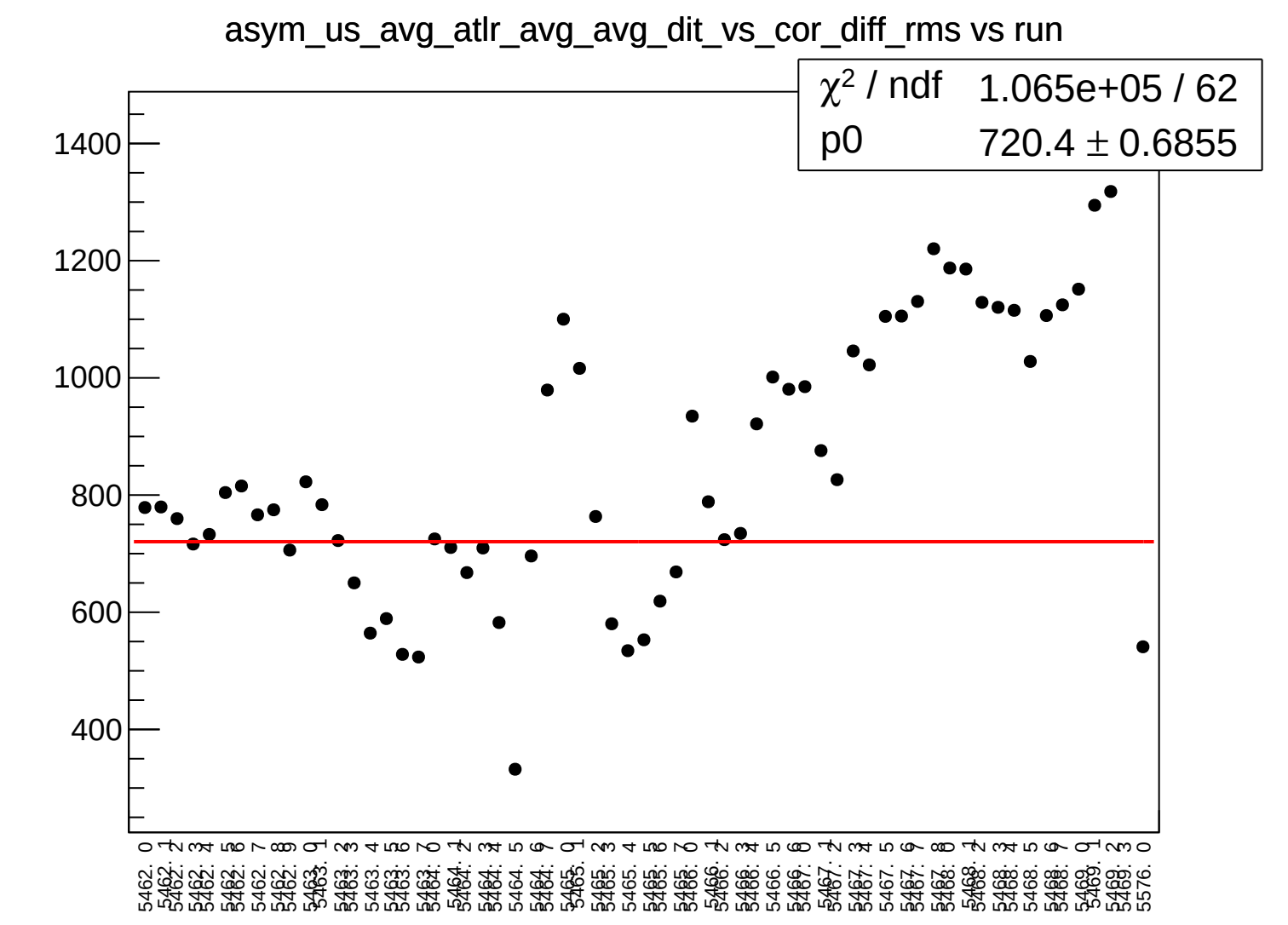

asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 4.283e+04 / 62
p0 3071 ± 2.842
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

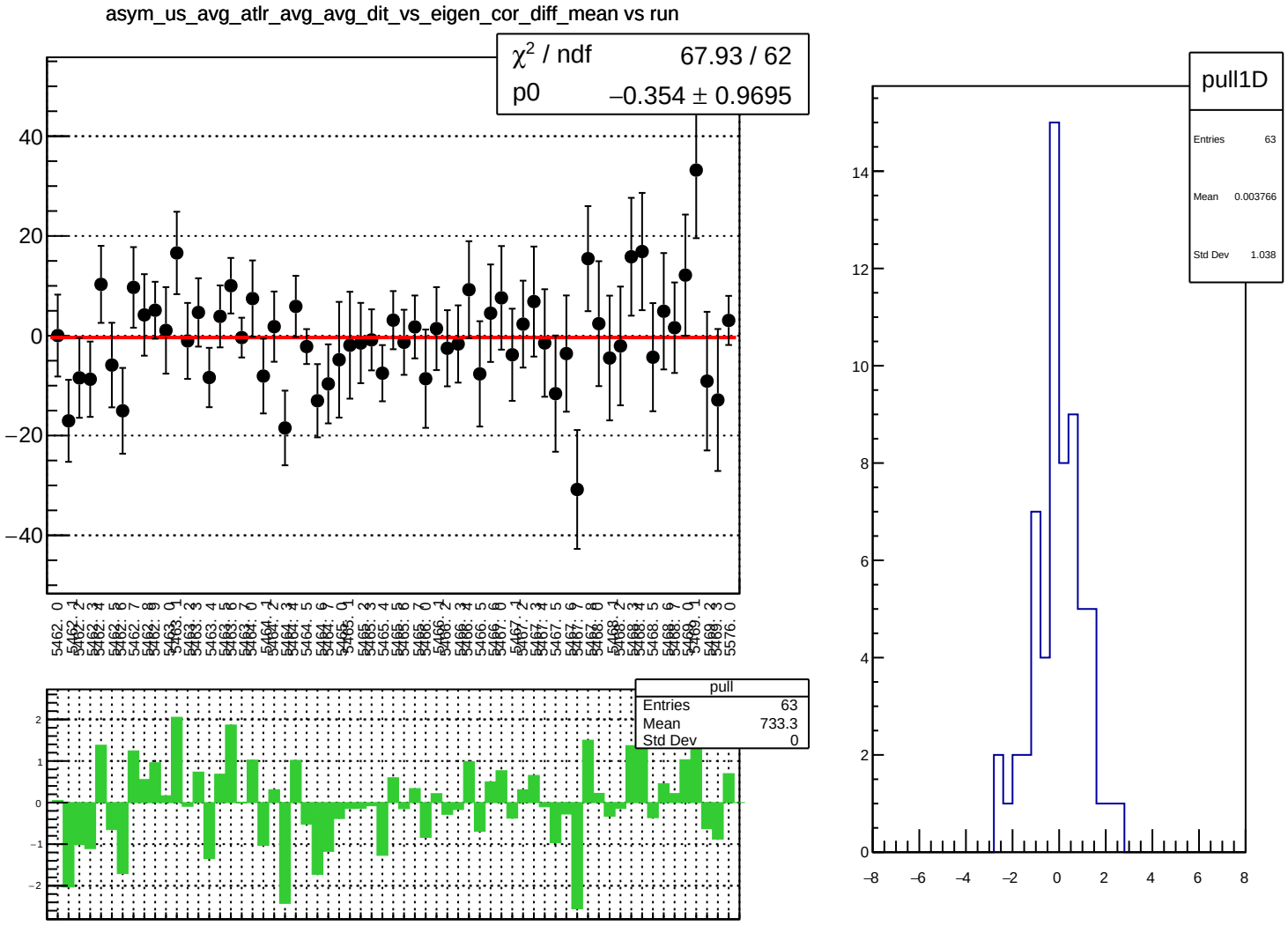

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.16 / 62
p0 −1.915e−13 ± 1.374e−13
pull
Entries 63
Mean 44.19
Std Dev 27.58

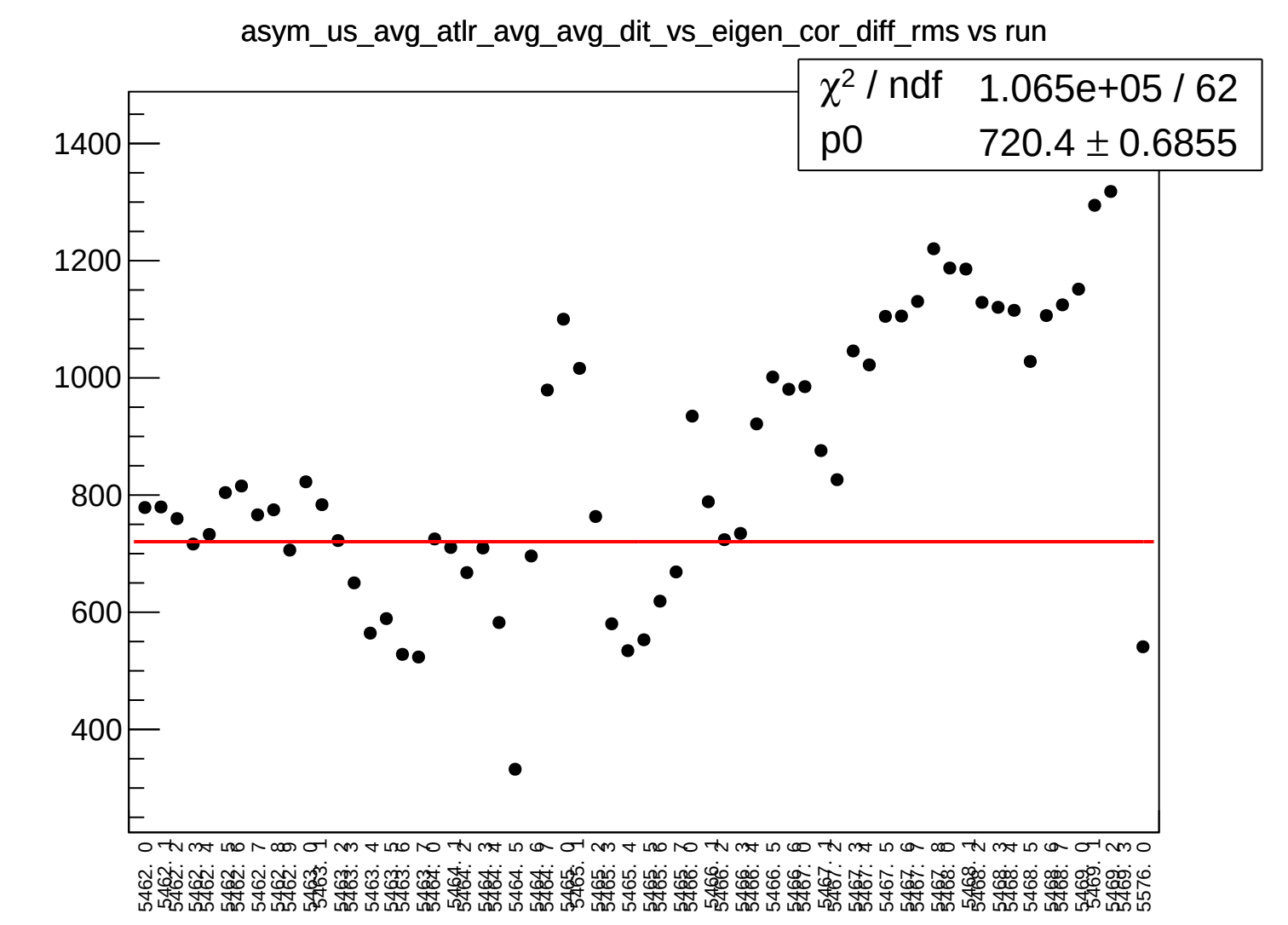

pull1D
Entries 63
Mean 0.08124
Std Dev 0.9322


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.78e+05 / 62
p0 8.316e−11 ± 9.714e−14
1600
1400
1200
1000
800
600
400
200
0


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.93 / 62
p0 −0.354 ± 0.9695
pull
Entries 63
Mean 733.3
Std Dev 0
pull1D
Entries 63
Mean 0.003766
Std Dev 1.038


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 62
p0 720.4 ± 0.6855
1400
1200
1000
800
600
400


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.93 / 62
p0 −0.354 ± 0.9695
pull
Entries 63
Mean 733.3
Std Dev 0
pull1D
Entries 63
Mean 0.003766
Std Dev 1.038


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 62
p0 720.4 ± 0.6855
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
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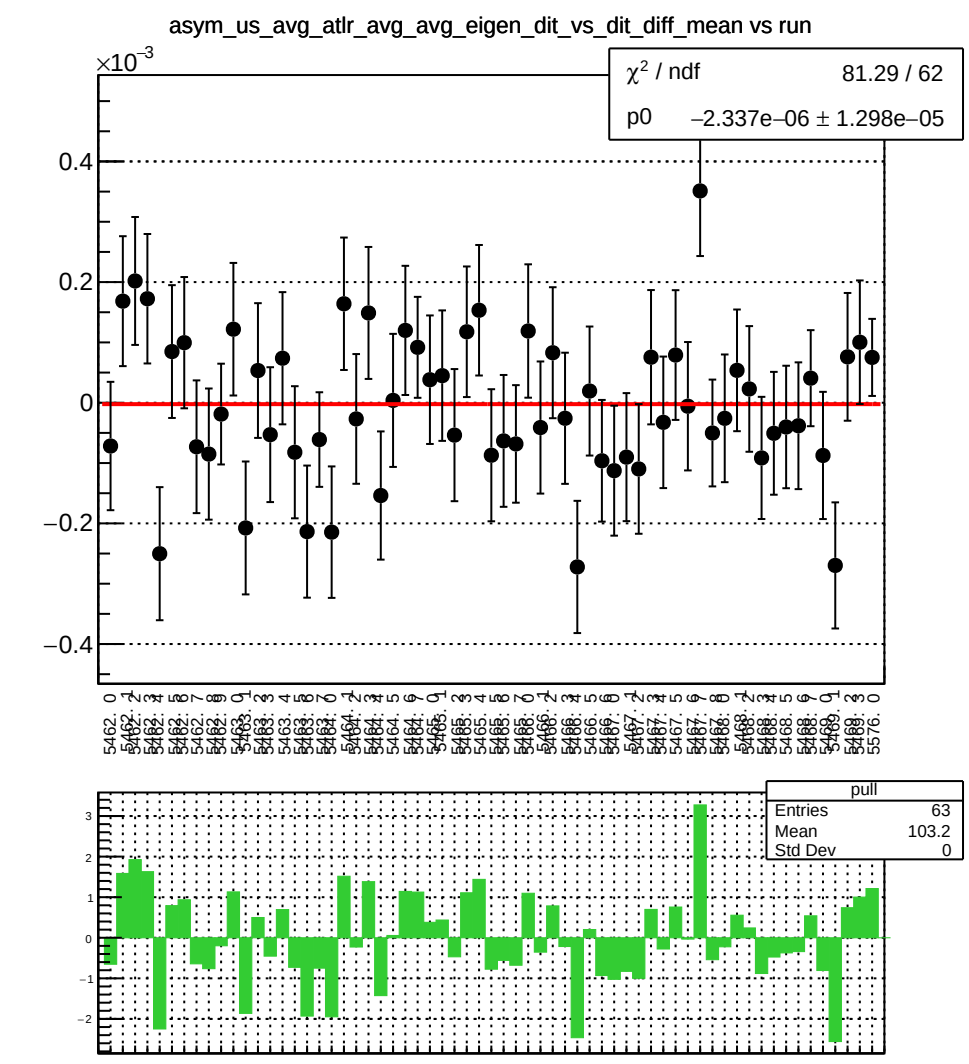
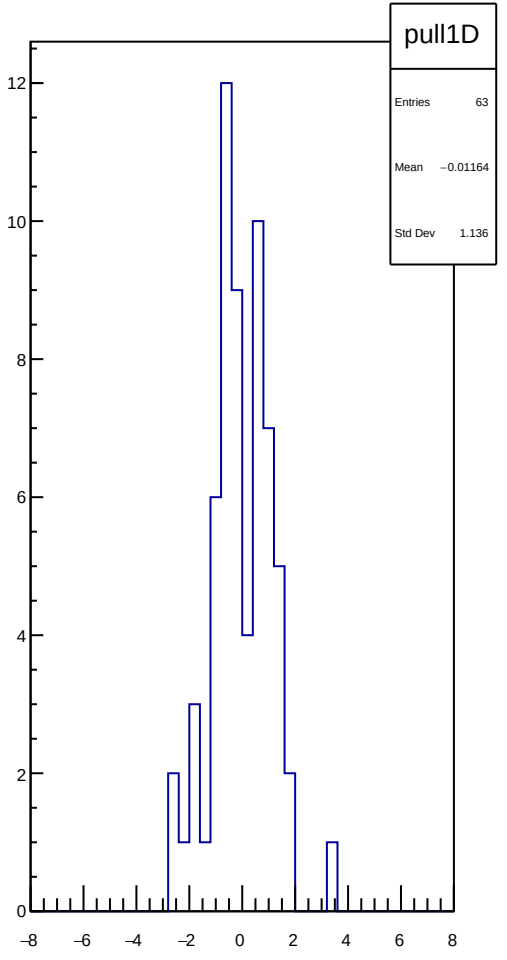
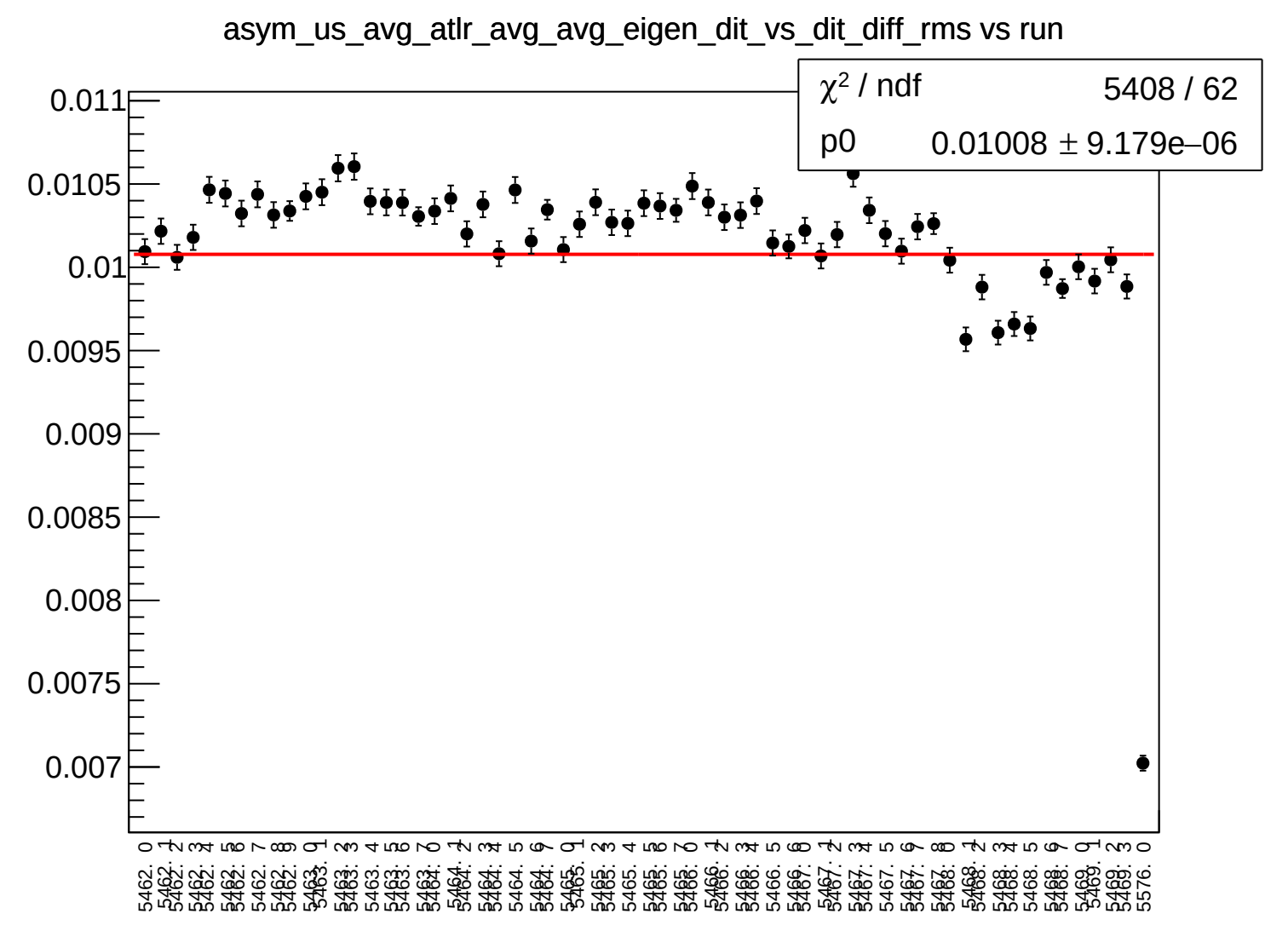
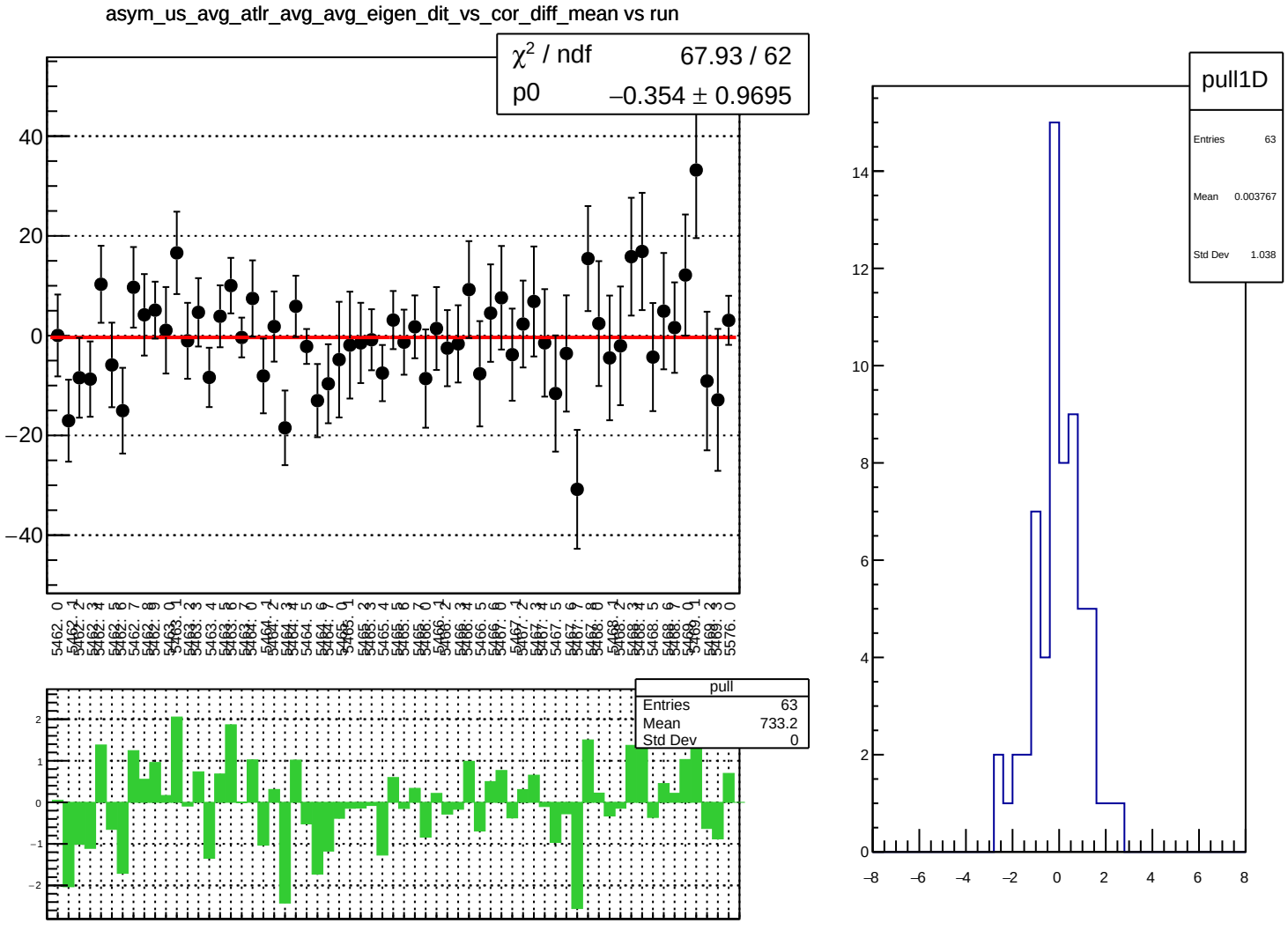
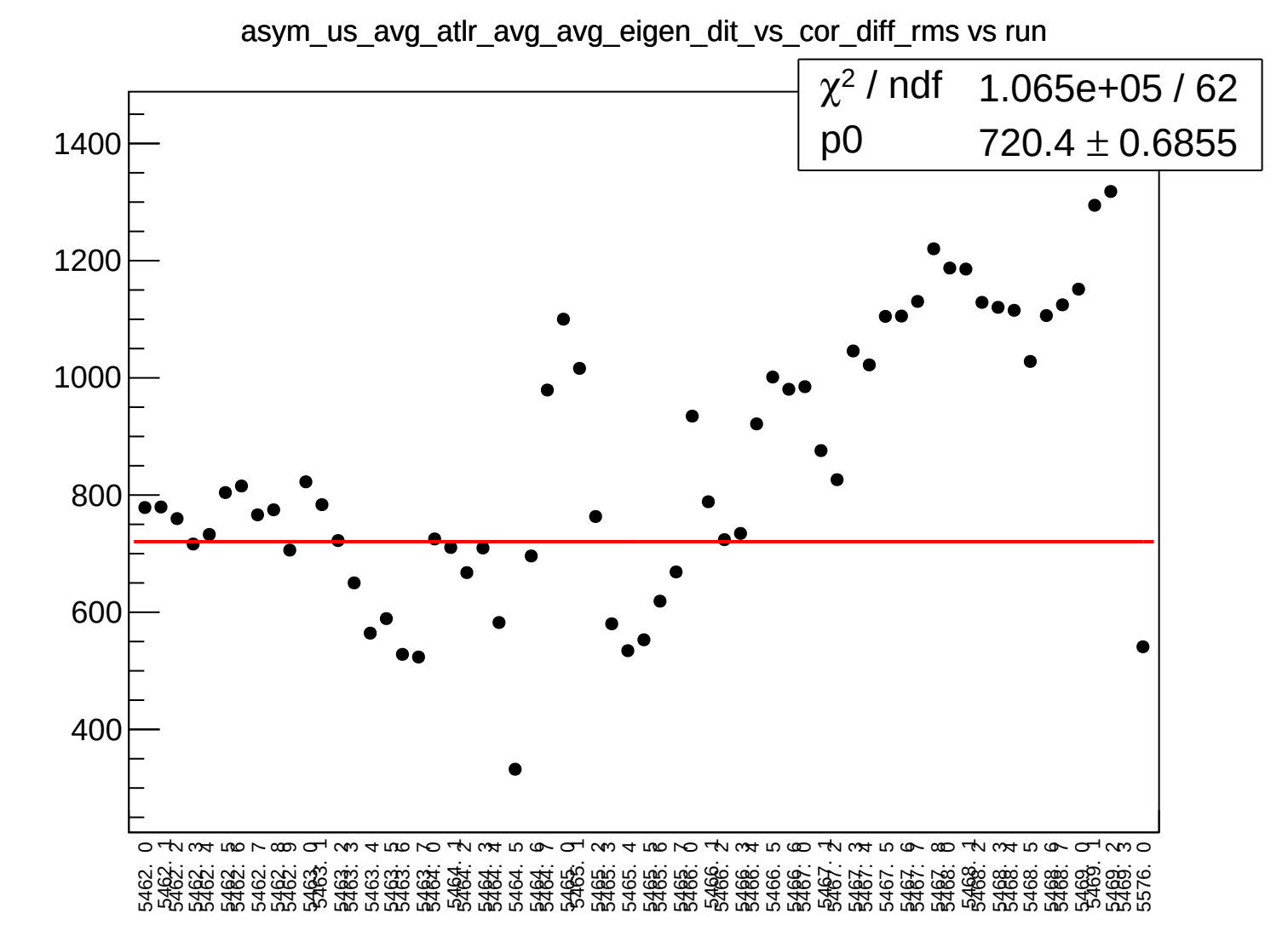
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

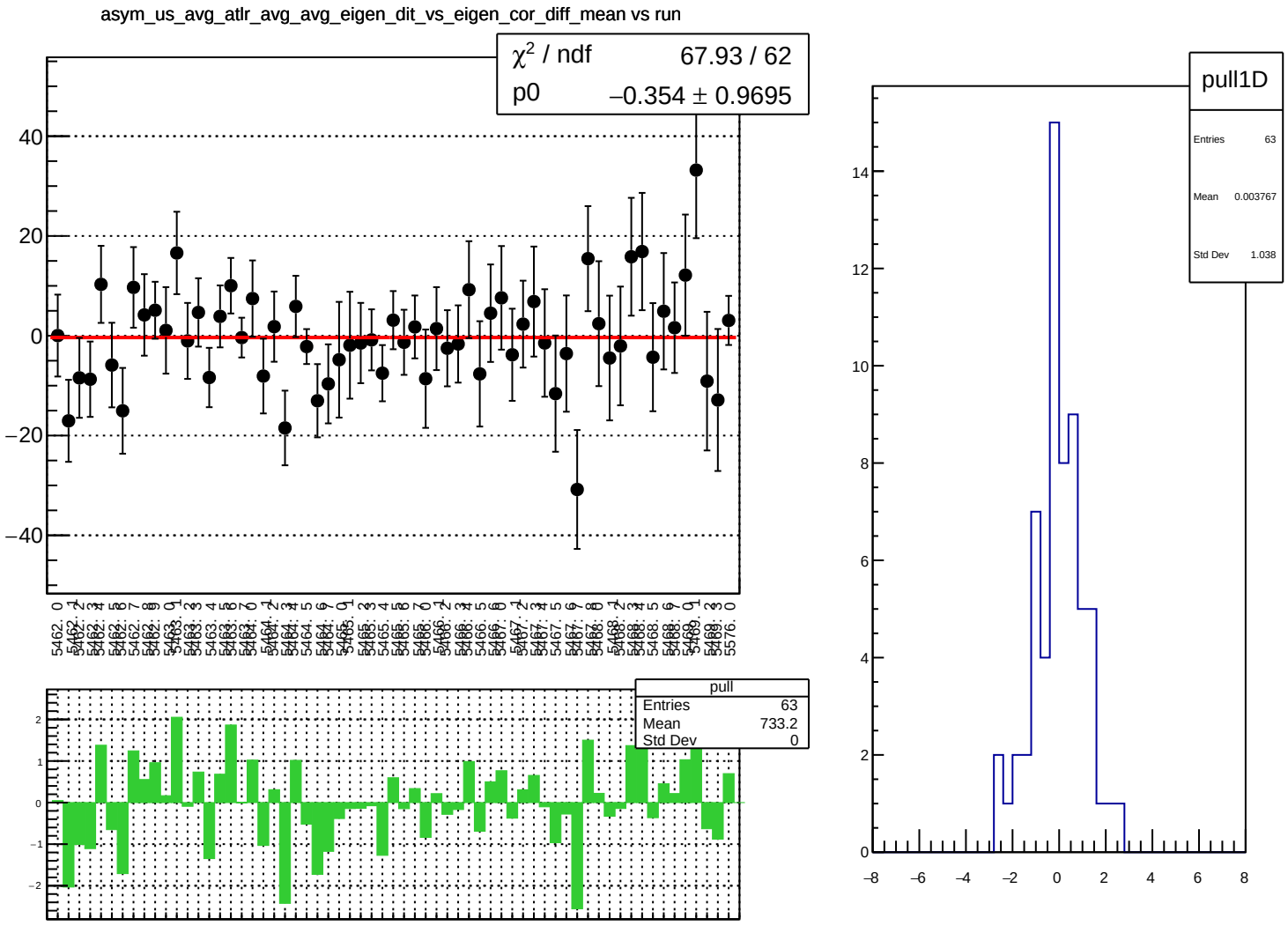

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.29 / 62
p0 −2.337e−06 ± 1.298e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 63
Mean 103.2
Std Dev 0
3
2
1
0
−1
−2

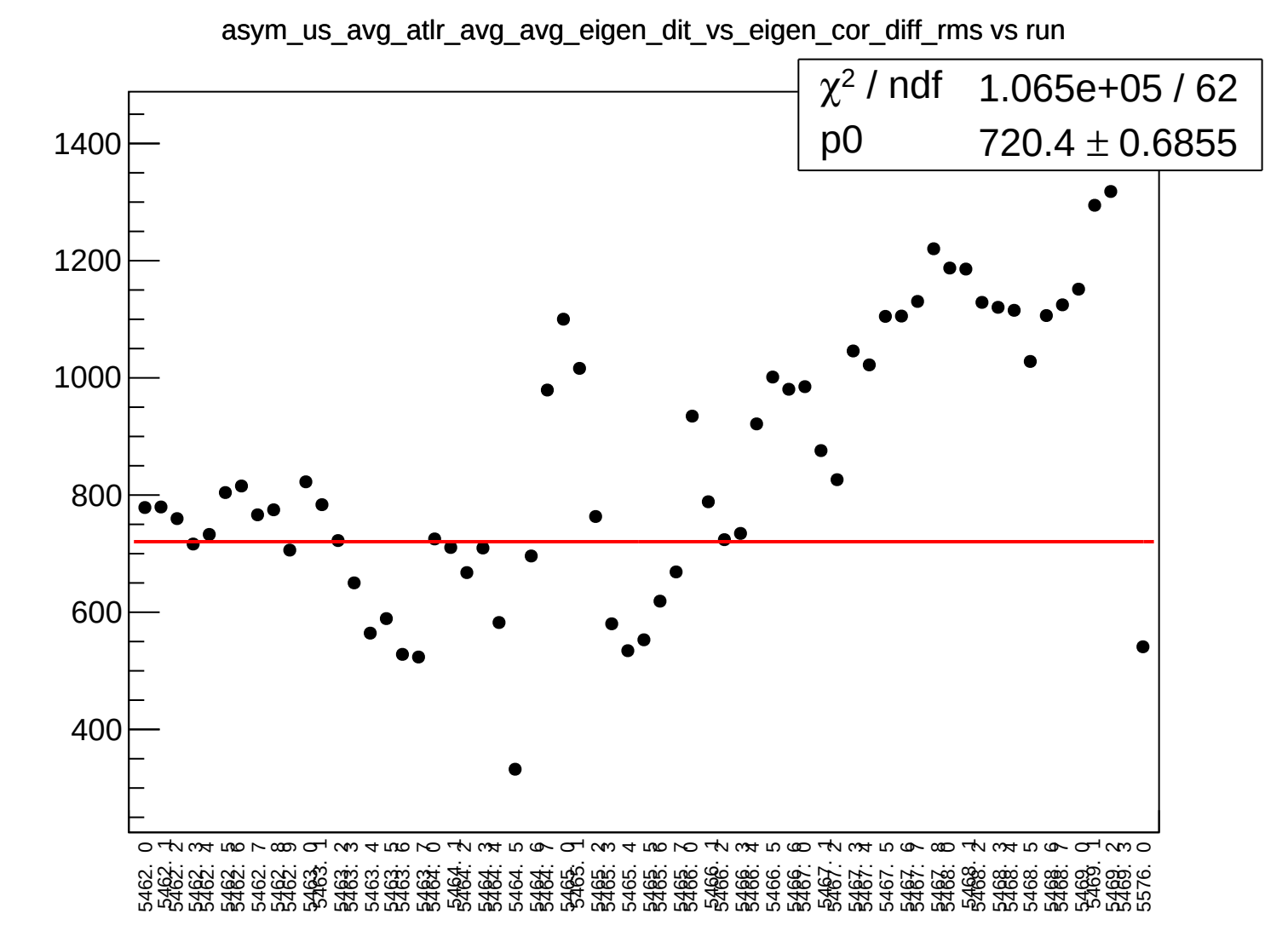

pull1D
Entries 63
Mean −0.01164
Std Dev 1.136
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5408 / 62
p0 0.01008 ± 9.179e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.93 / 62
p0 −0.354 ± 0.9695
pull
Entries 63
Mean 733.2
Std Dev 0
pull1D
Entries 63
Mean 0.003767
Std Dev 1.038


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 62
p0 720.4 ± 0.6855
1400
1200
1000
800
600
400


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.93 / 62
p0 −0.354 ± 0.9695
pull
Entries 63
Mean 733.2
Std Dev 0
pull1D
Entries 63
Mean 0.003767
Std Dev 1.038


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 62
p0 720.4 ± 0.6855
1400
1200
1000
800
600
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
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5463. 6
5463. 7
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5464. 2
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5465. 6
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5466. 6
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5467. 2
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5467. 6
5467. 7
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5468. 2
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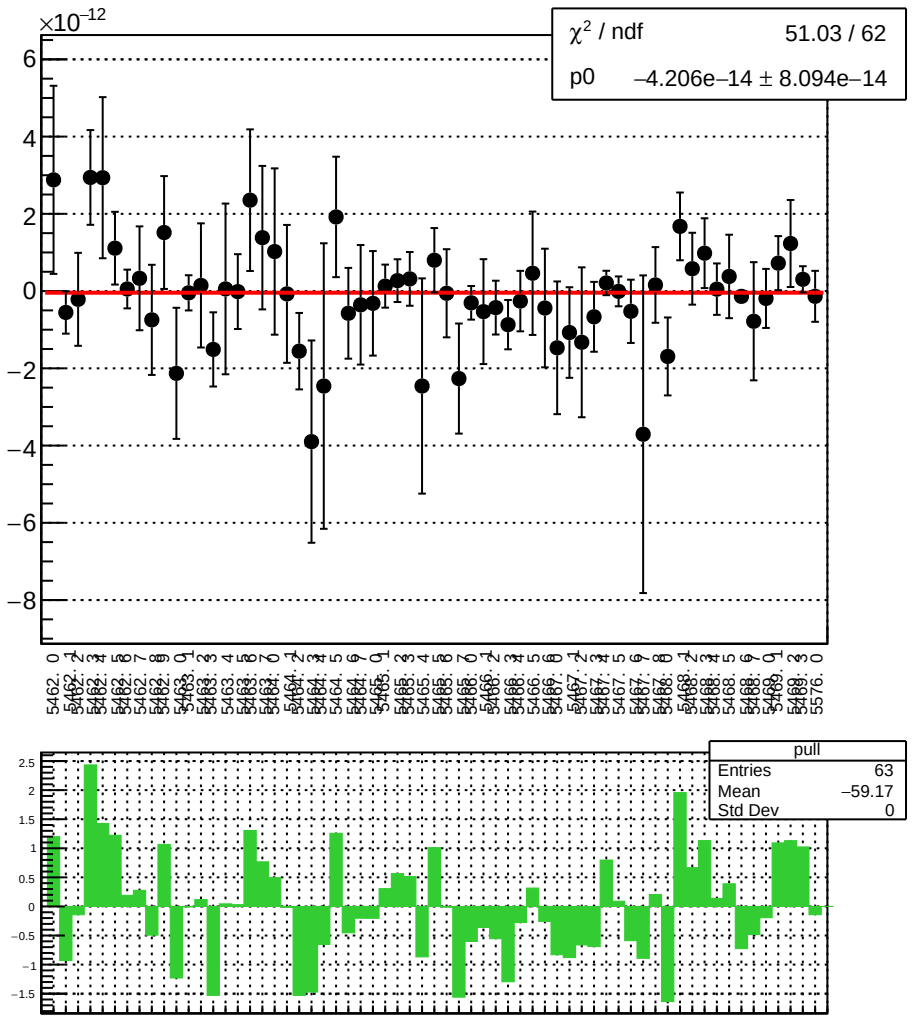
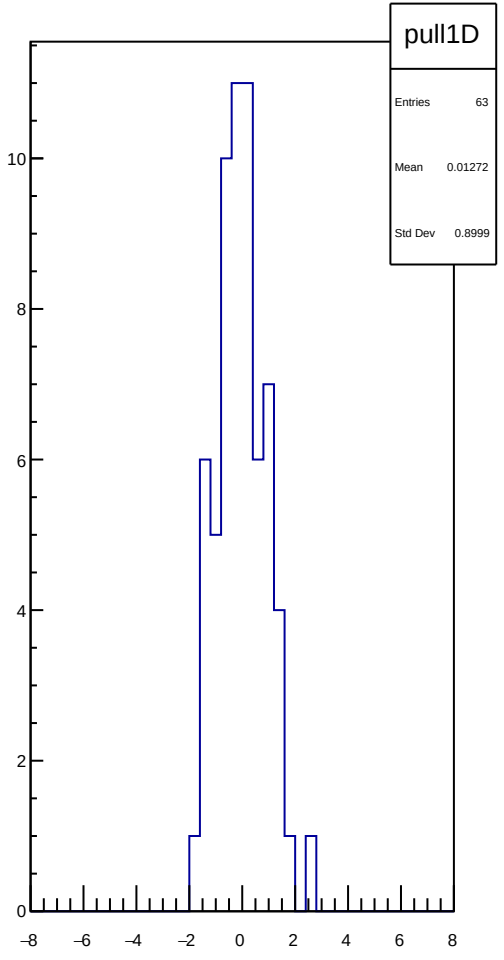
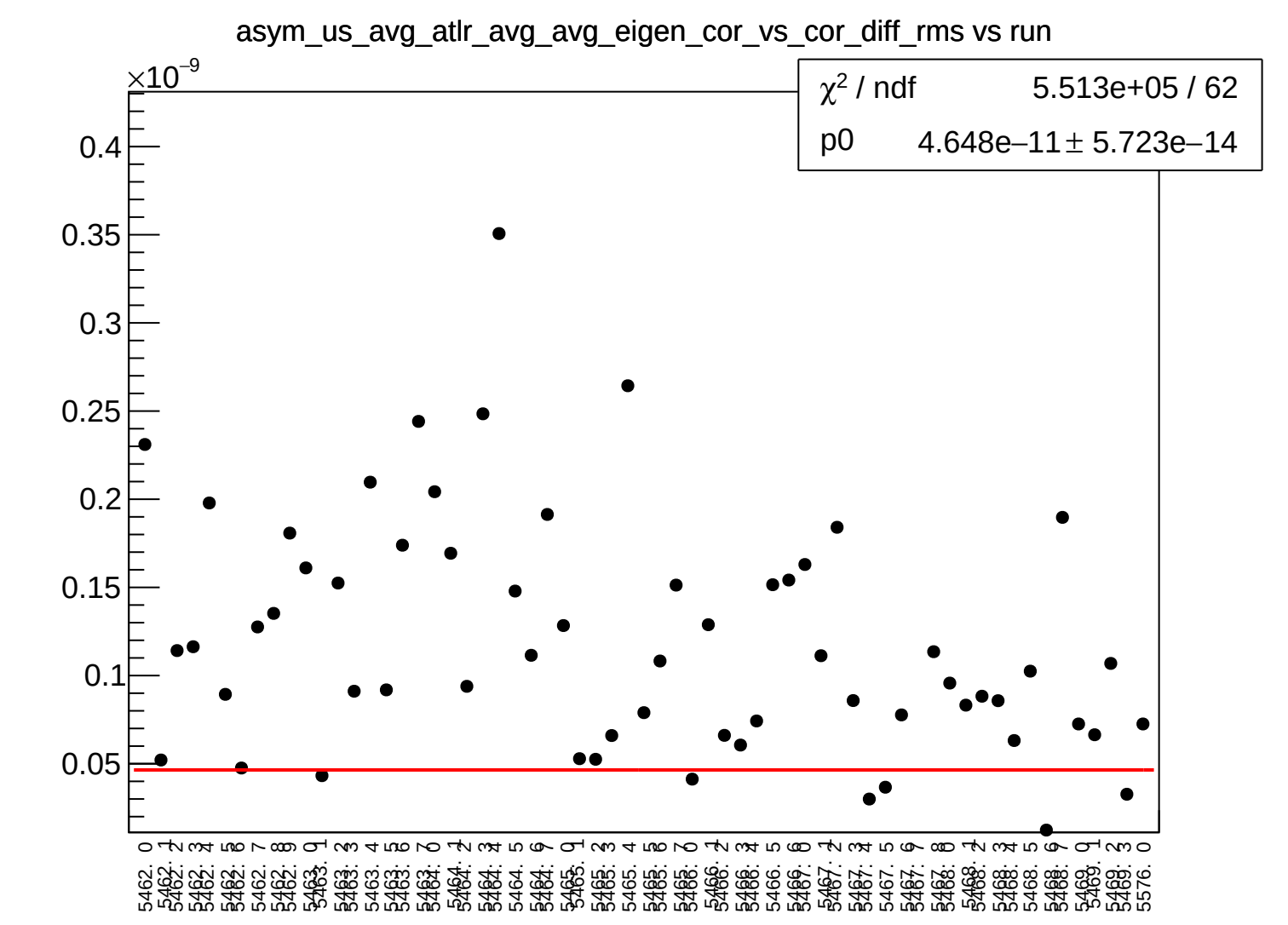
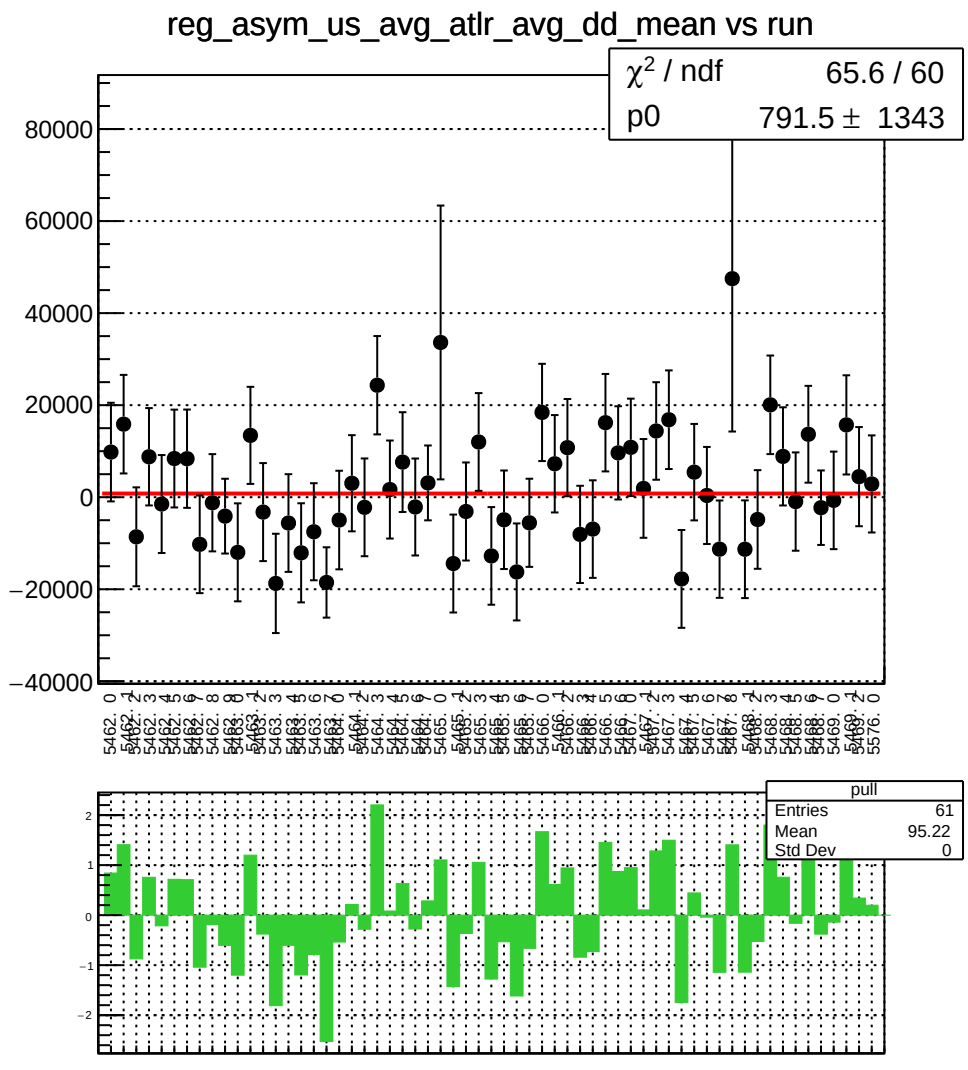
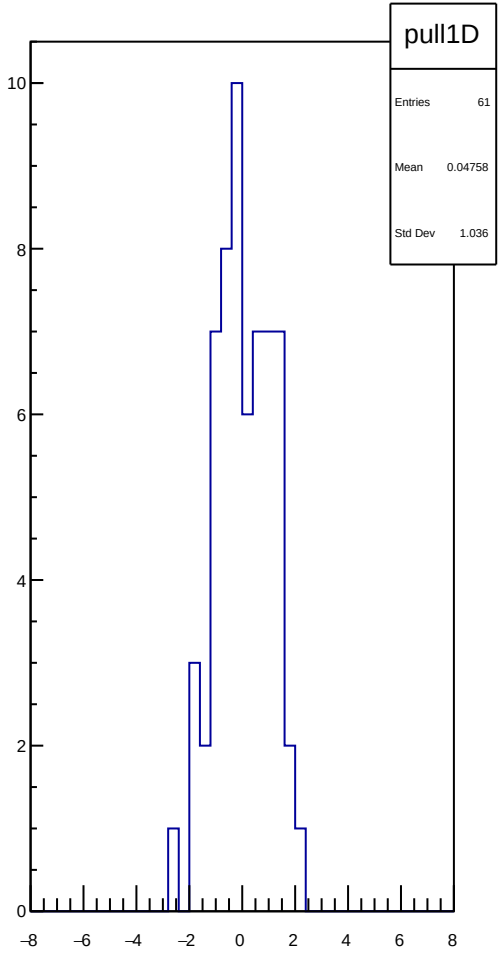
5469. 1
5469. 2
5469. 3
5576. 0

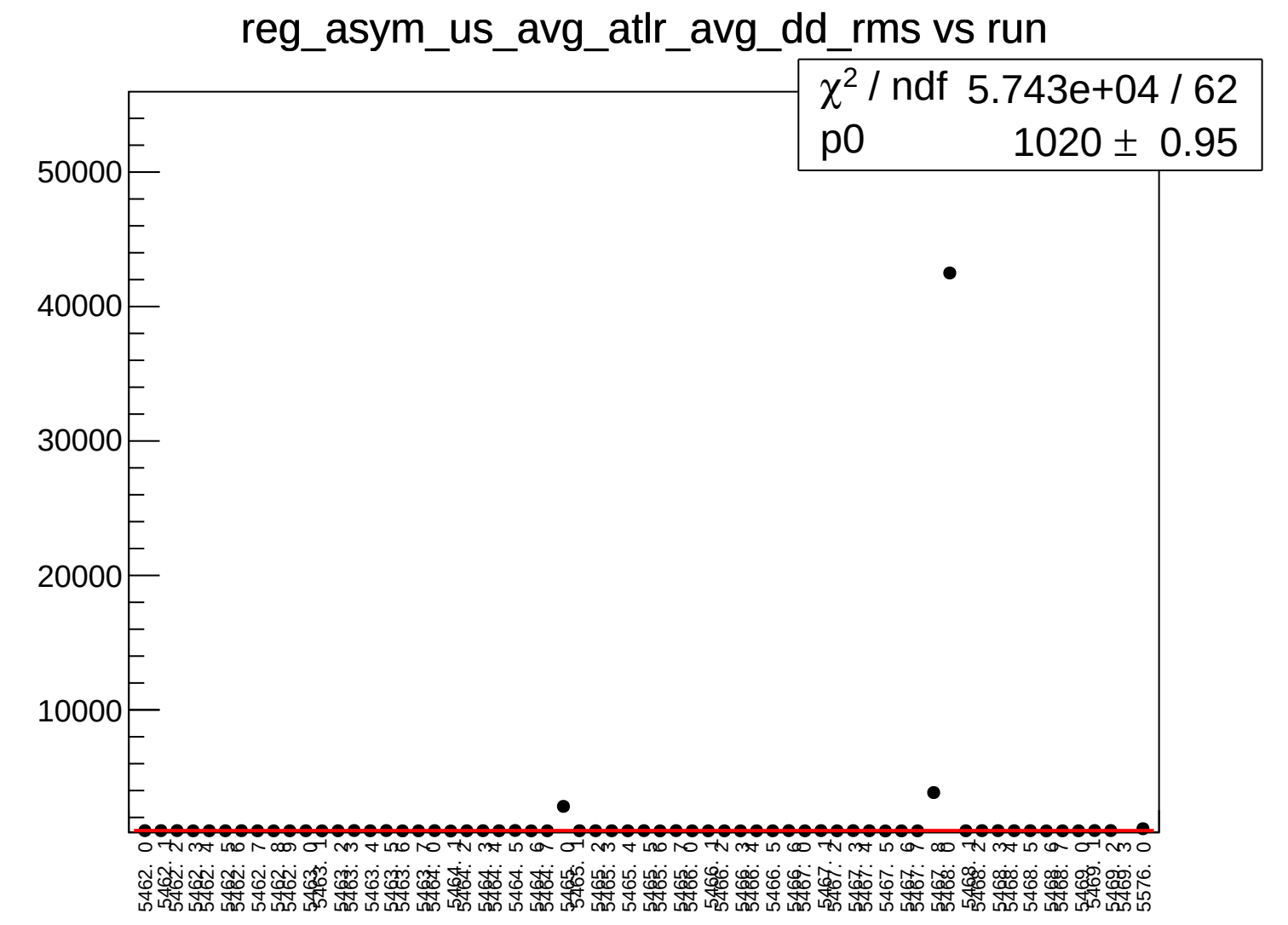

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.03 / 62
p0 −4.206e−14 ± 8.094e−14
pull
Entries 63
Mean −59.17
Std Dev 0

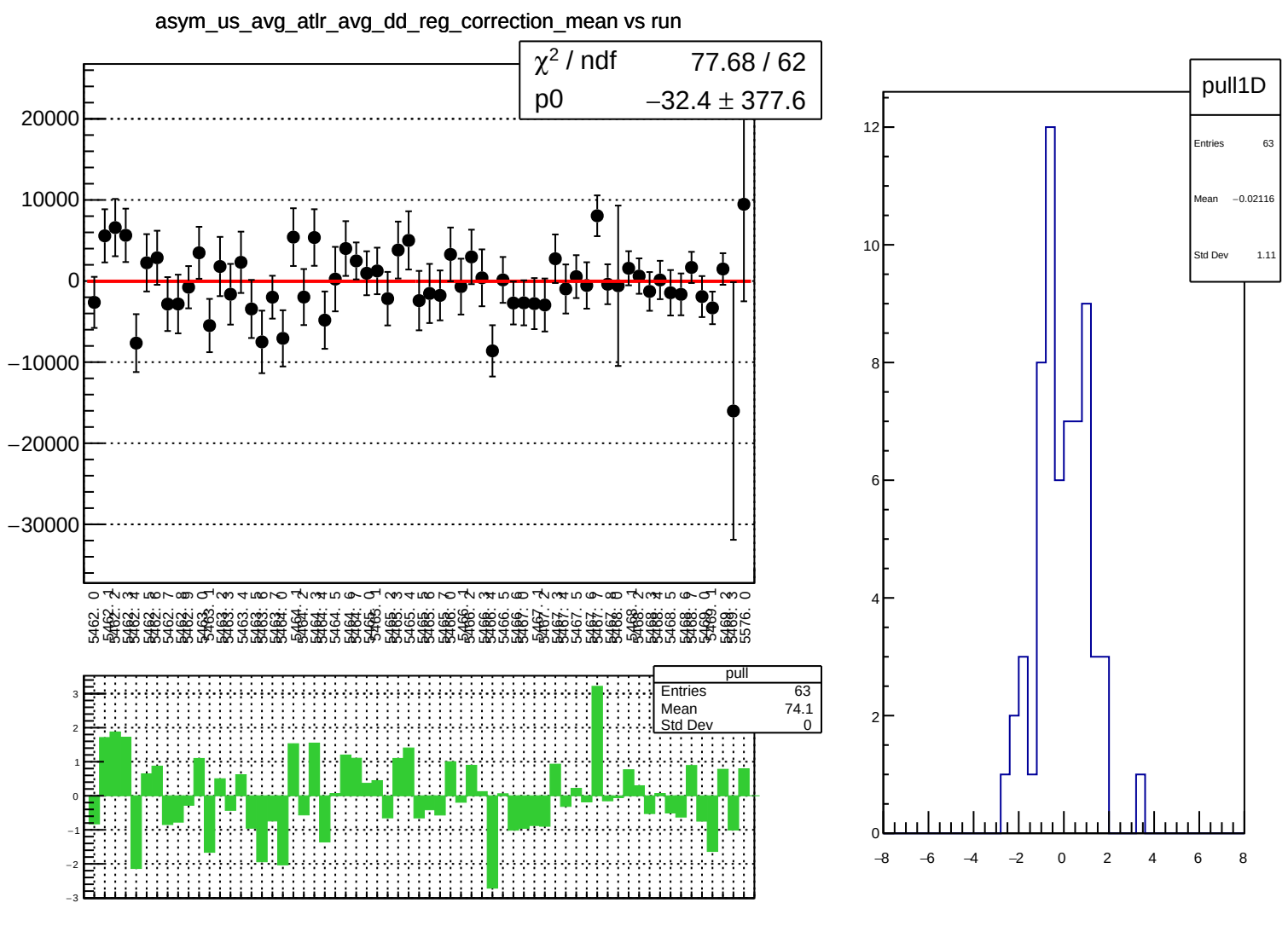

pull1D
Entries 63
Mean 0.01272
Std Dev 0.8999

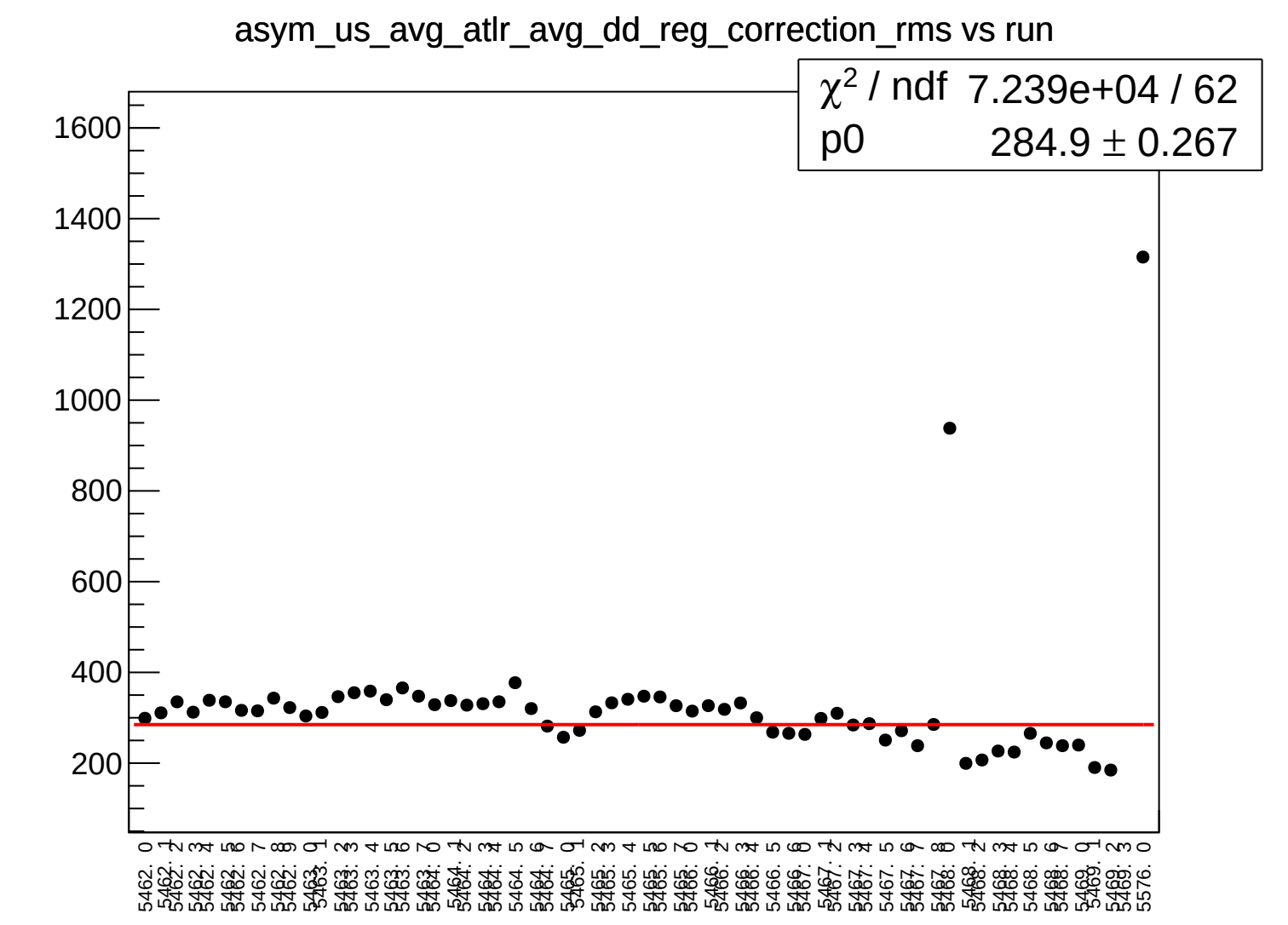

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.513e+05 / 62
p0 4.648e−11 ± 5.723e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

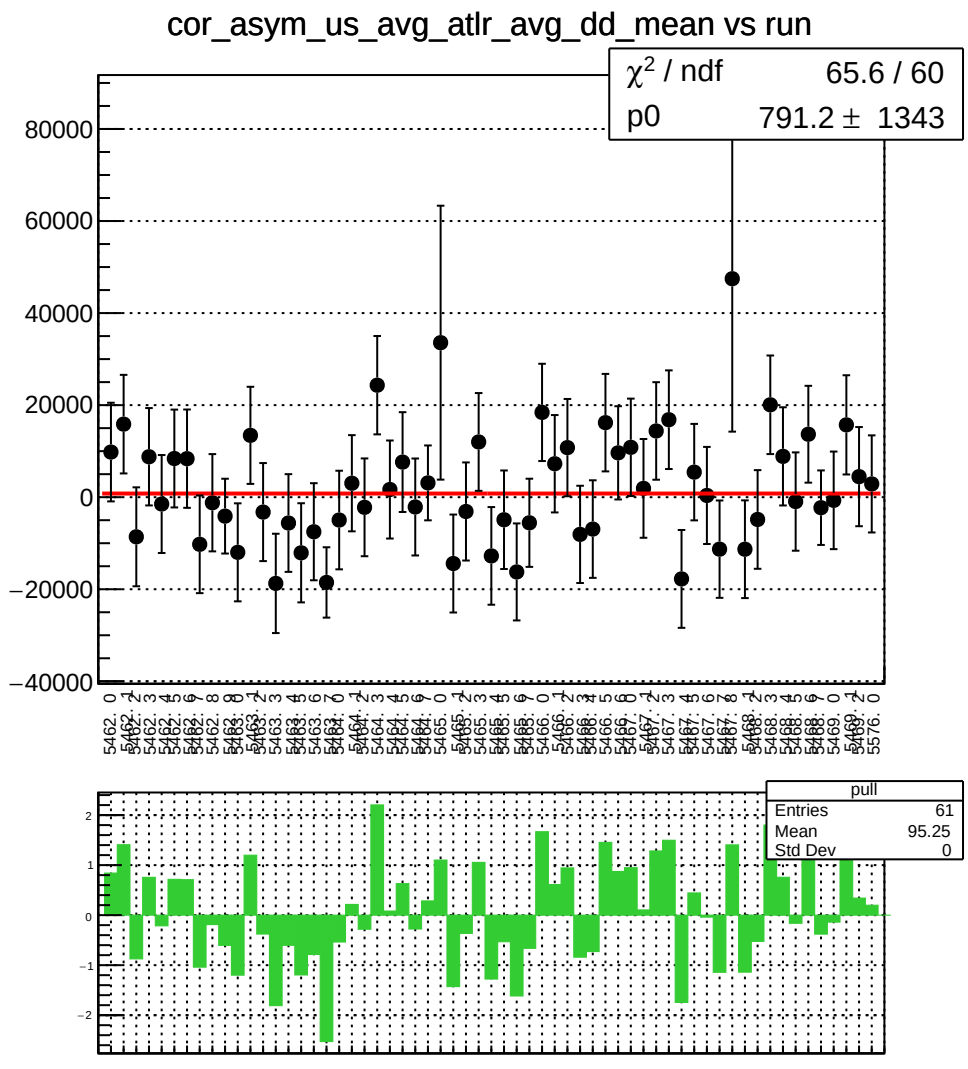

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 65.6 / 60
p0 791.5 ± 1343
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 95.22
Std Dev 0
2
1
0
−1
−2

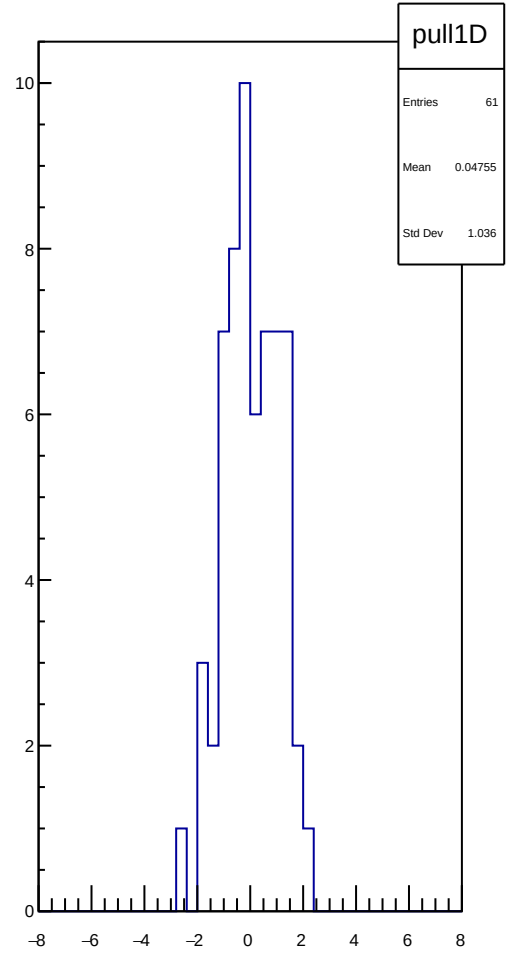

pull1D
Entries 61
Mean 0.04758
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

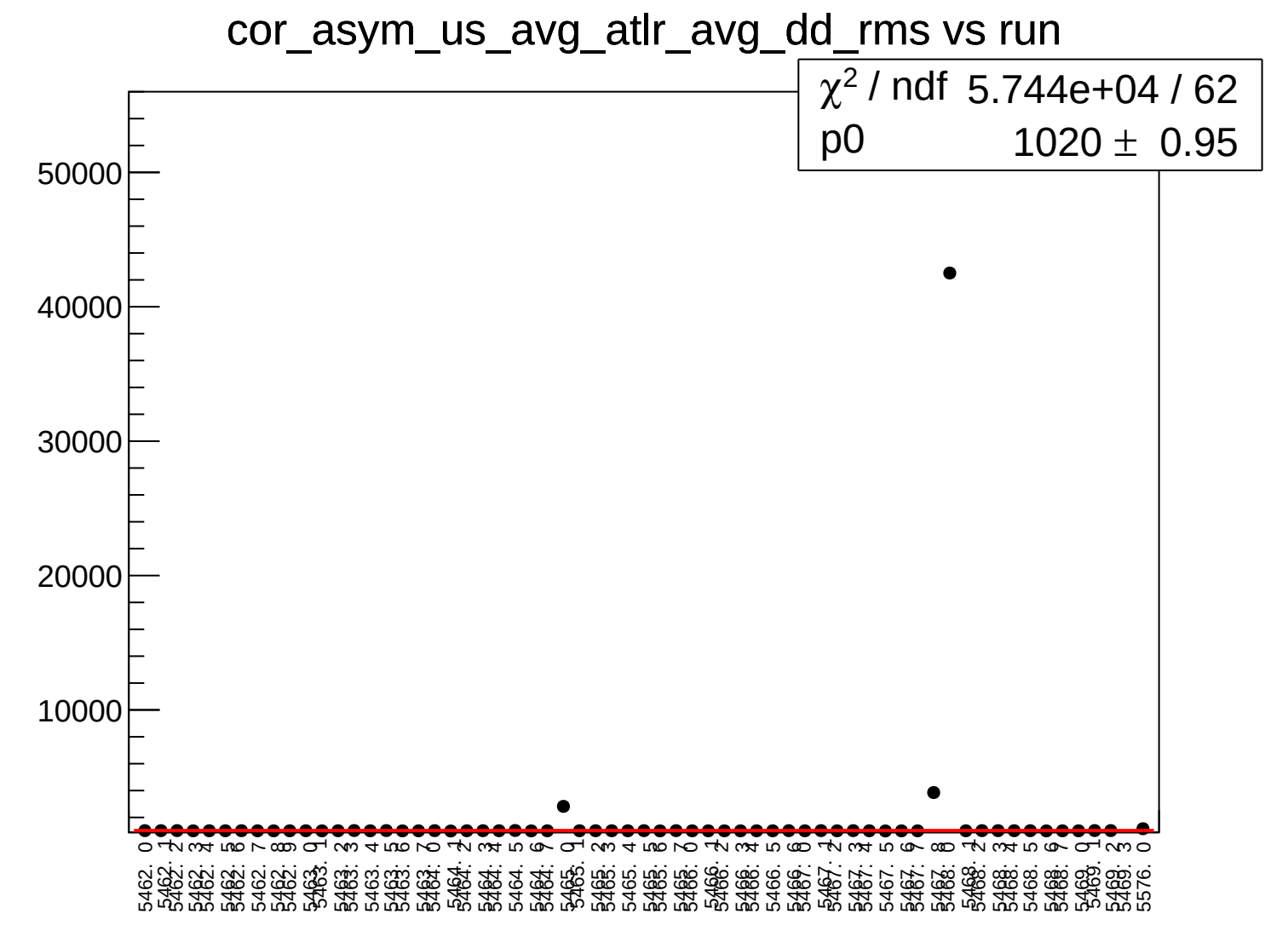

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 5.743e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000


asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 77.68 / 62
p0 −32.4 ± 377.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean 74.1
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 63
Mean −0.02116
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 7.239e+04 / 62
p0 284.9 ± 0.267
1600
1400
1200
1000
800
600
400
200


cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 65.6 / 60
p0 791.2 ± 1343
pull
Entries 61
Mean 95.25
Std Dev 0


pull1D
Entries 61
Mean 0.04755
Std Dev 1.036


cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 5.744e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
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5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
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5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
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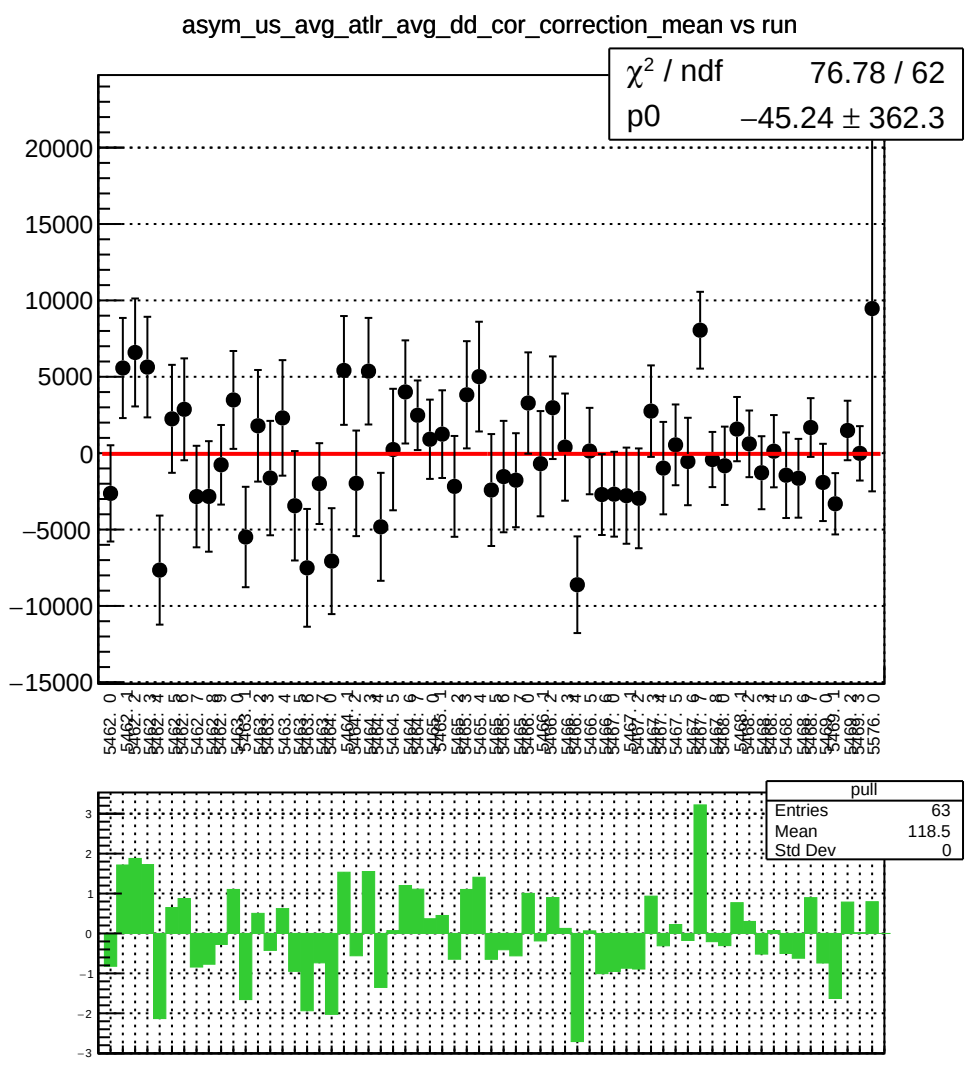
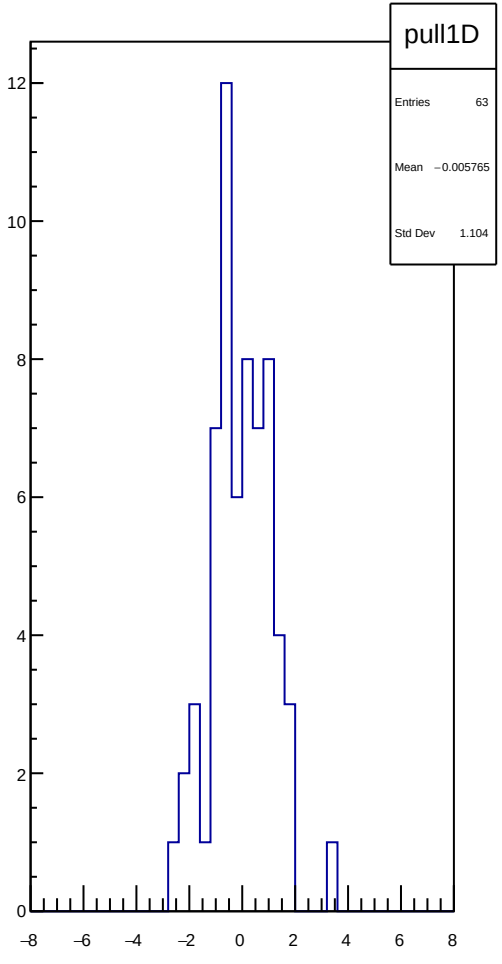
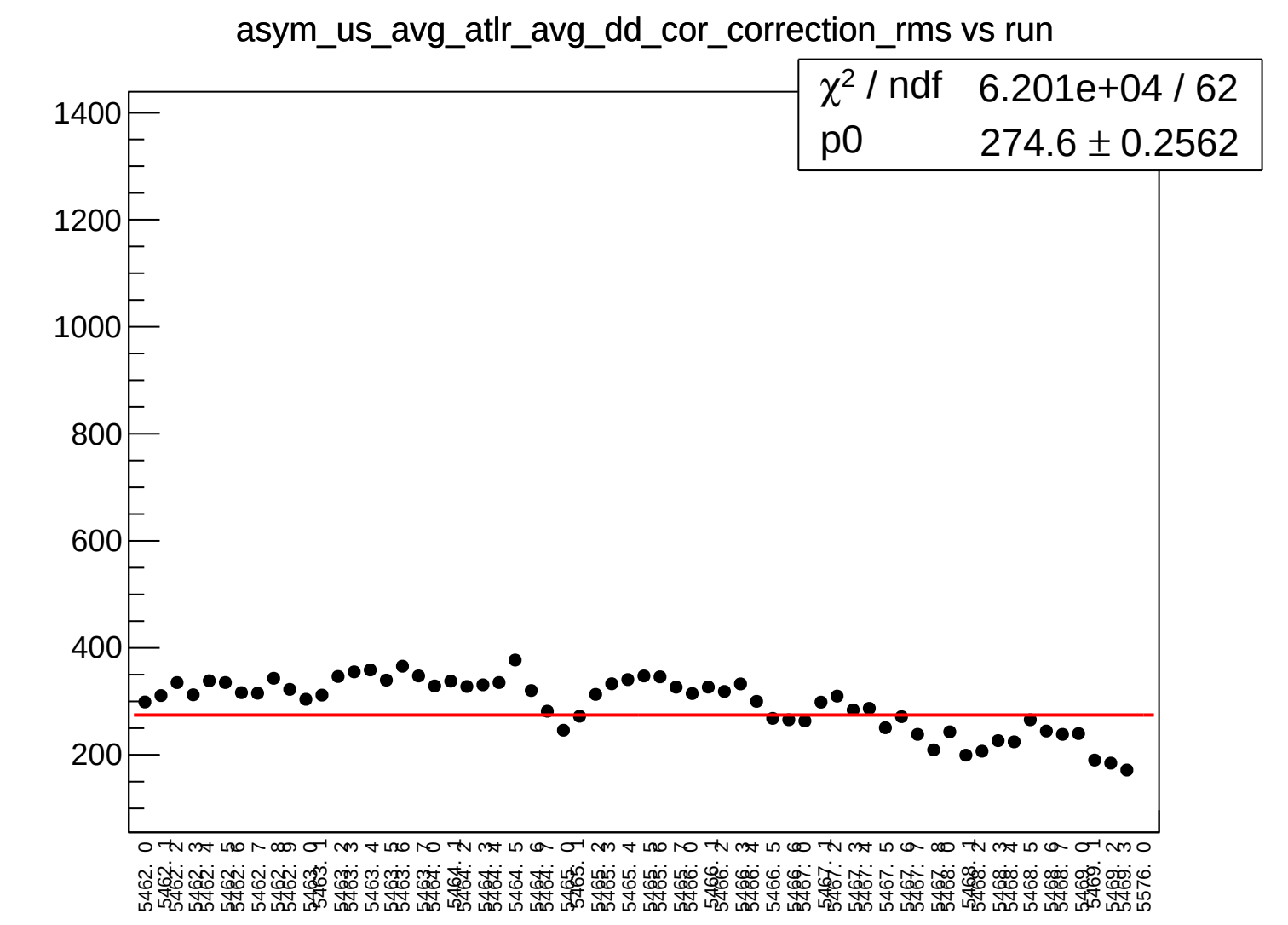
5468. 4
5468. 5
5468. 6
5468. 7
5468. 9
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
χ² / ndf 76.78 / 62
p0 −45.24 ± 362.3
pull
Entries 63
Mean 118.5
Std Dev 0


pull1D
Entries 63
Mean −0.005765
Std Dev 1.104


asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 6.201e+04 / 62
p0 274.6 ± 0.2562
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
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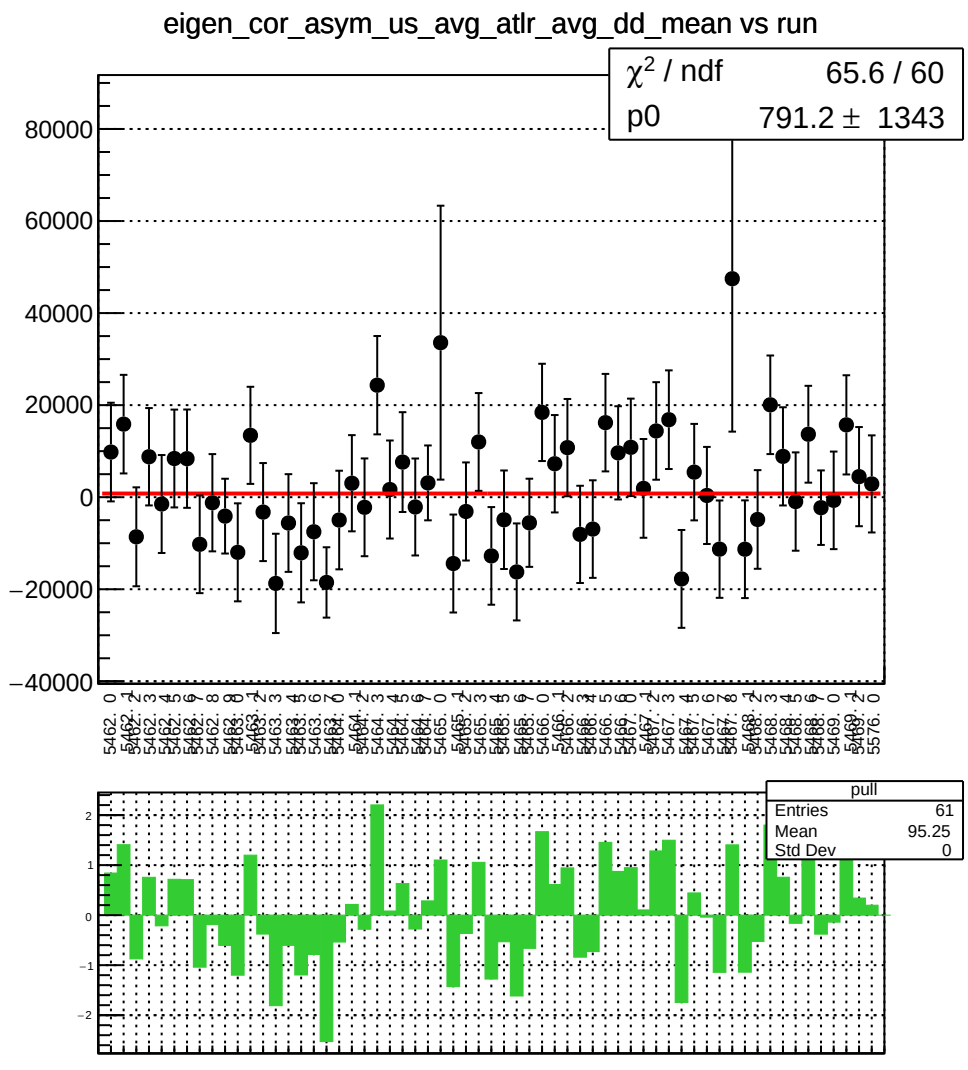
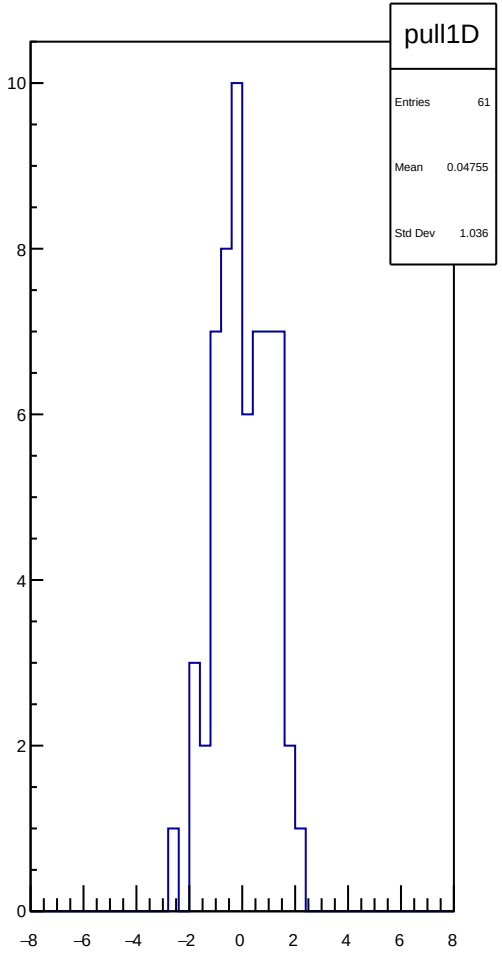
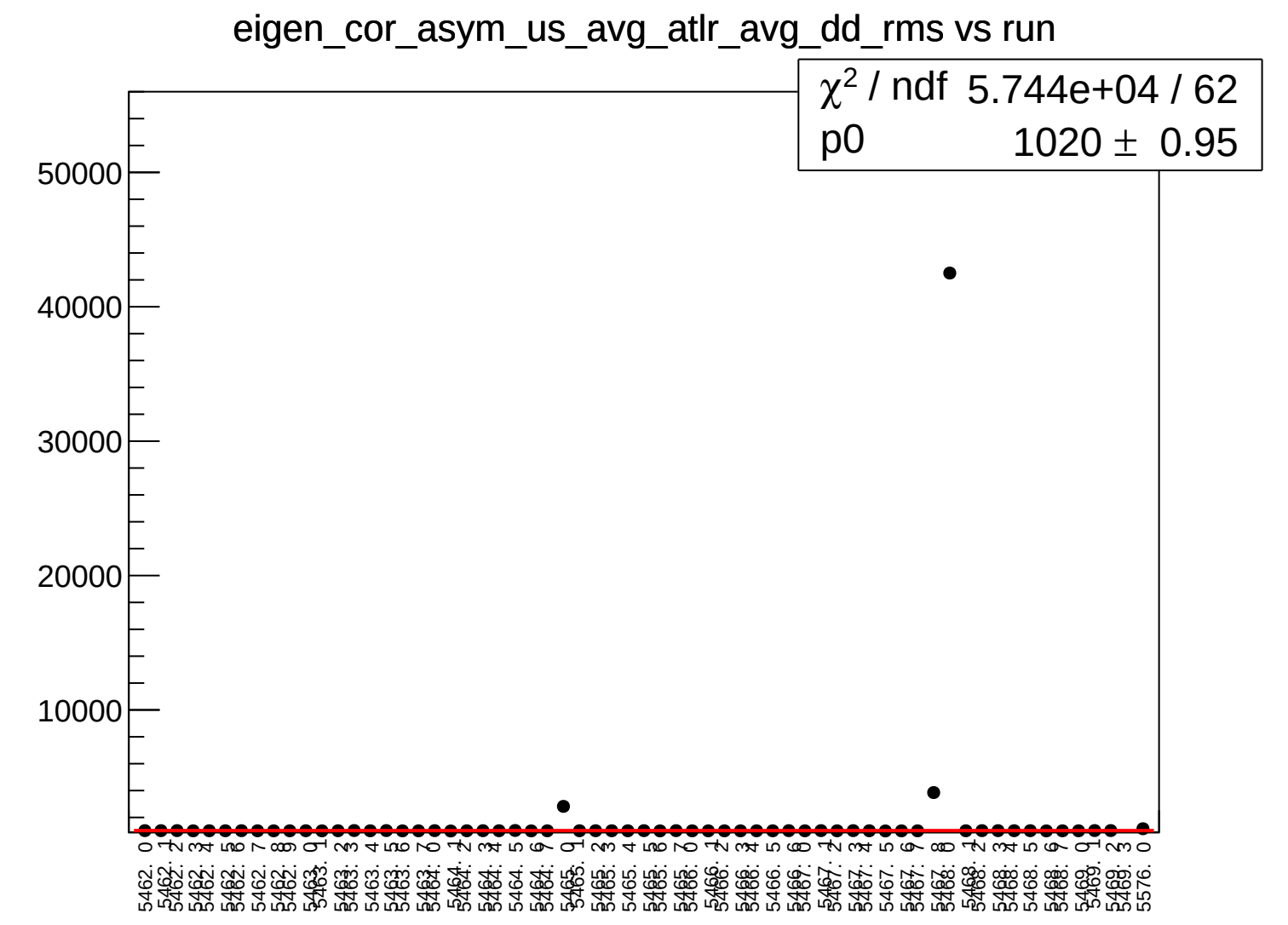
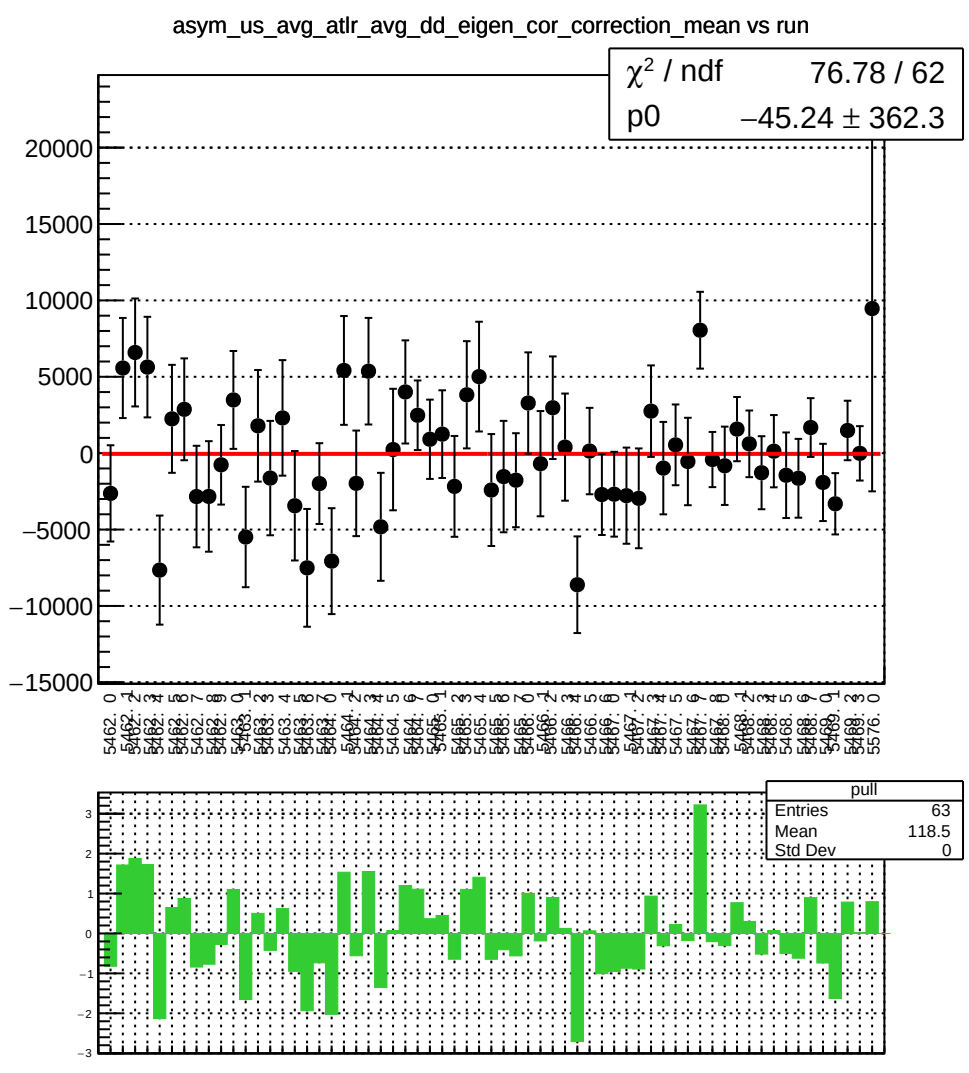
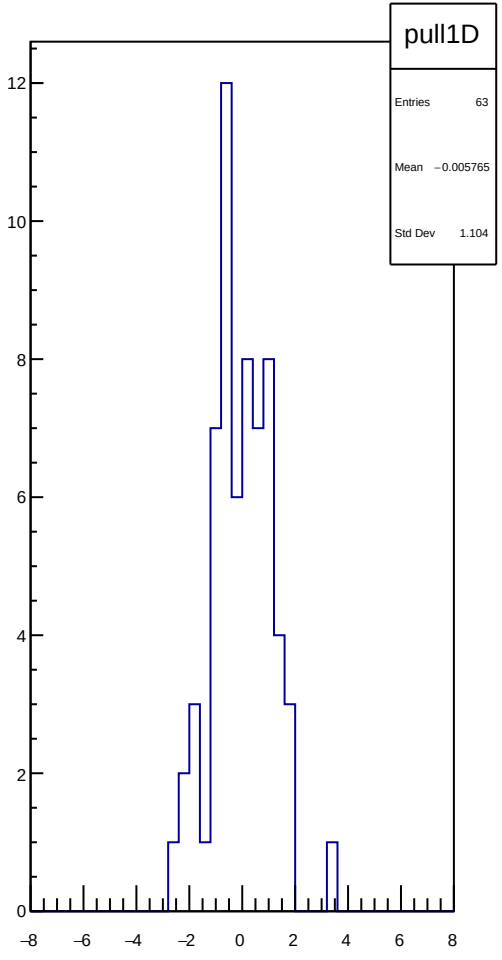
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

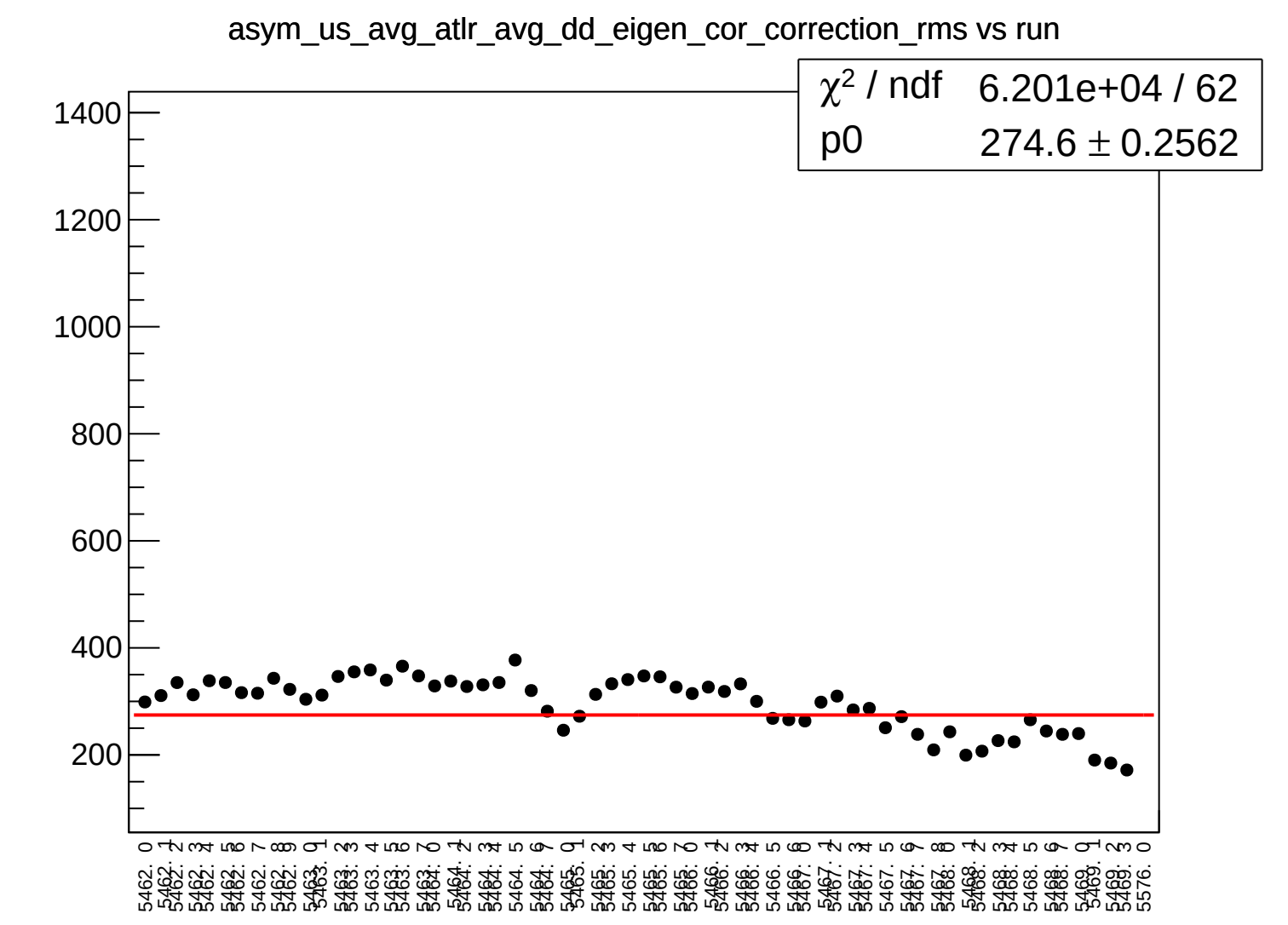

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 65.6 / 60
p0 791.2 ± 1343
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 95.25
Std Dev 0
2
1
0
−1
−2

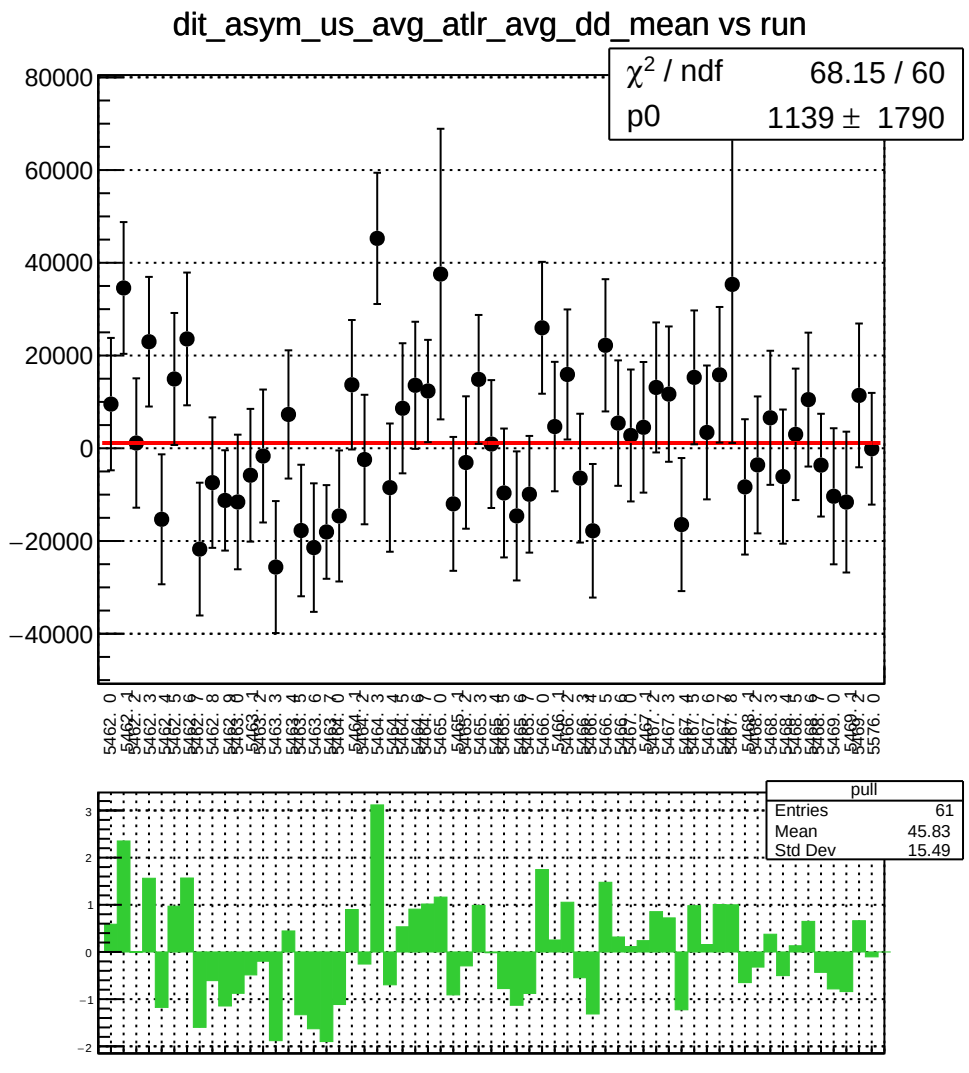

pull1D
Entries 61
Mean 0.04755
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

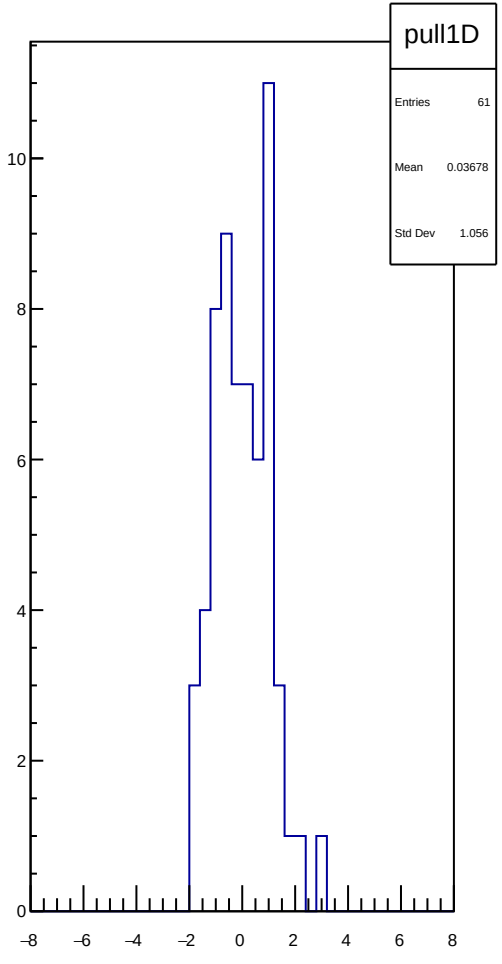

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 5.744e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000

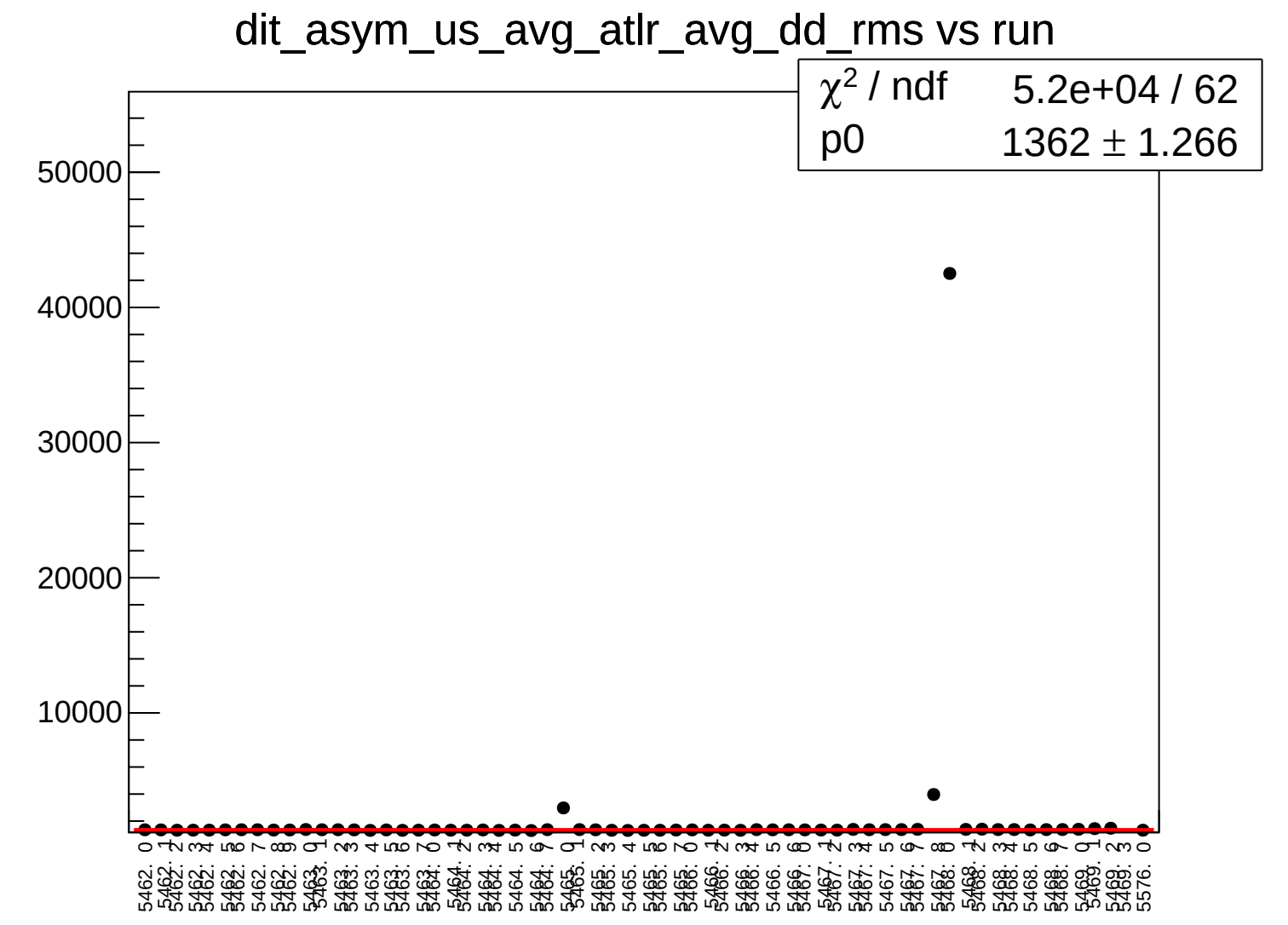

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.78 / 62
p0 −45.24 ± 362.3
pull
Entries 63
Mean 118.5
Std Dev 0

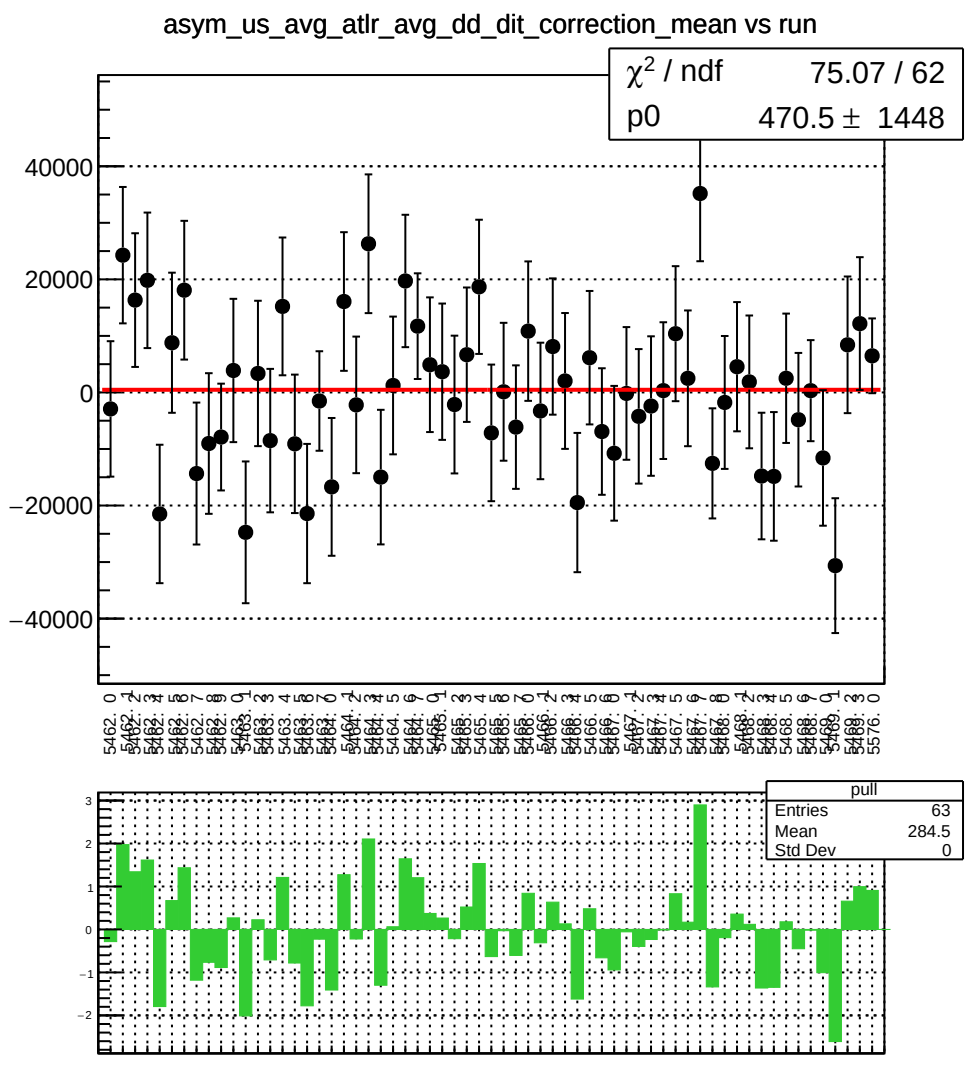

pull1D
Entries 63
Mean −0.005765
Std Dev 1.104

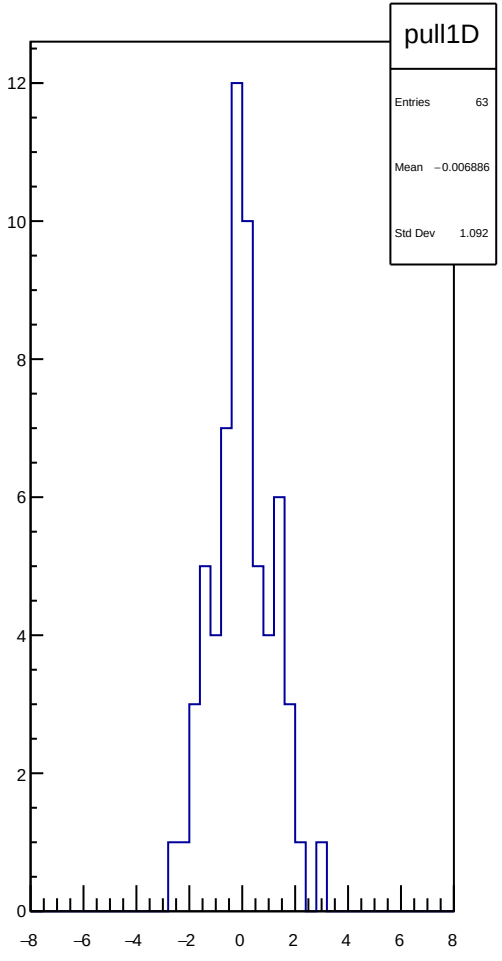

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.201e+04 / 62
p0 274.6 ± 0.2562
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

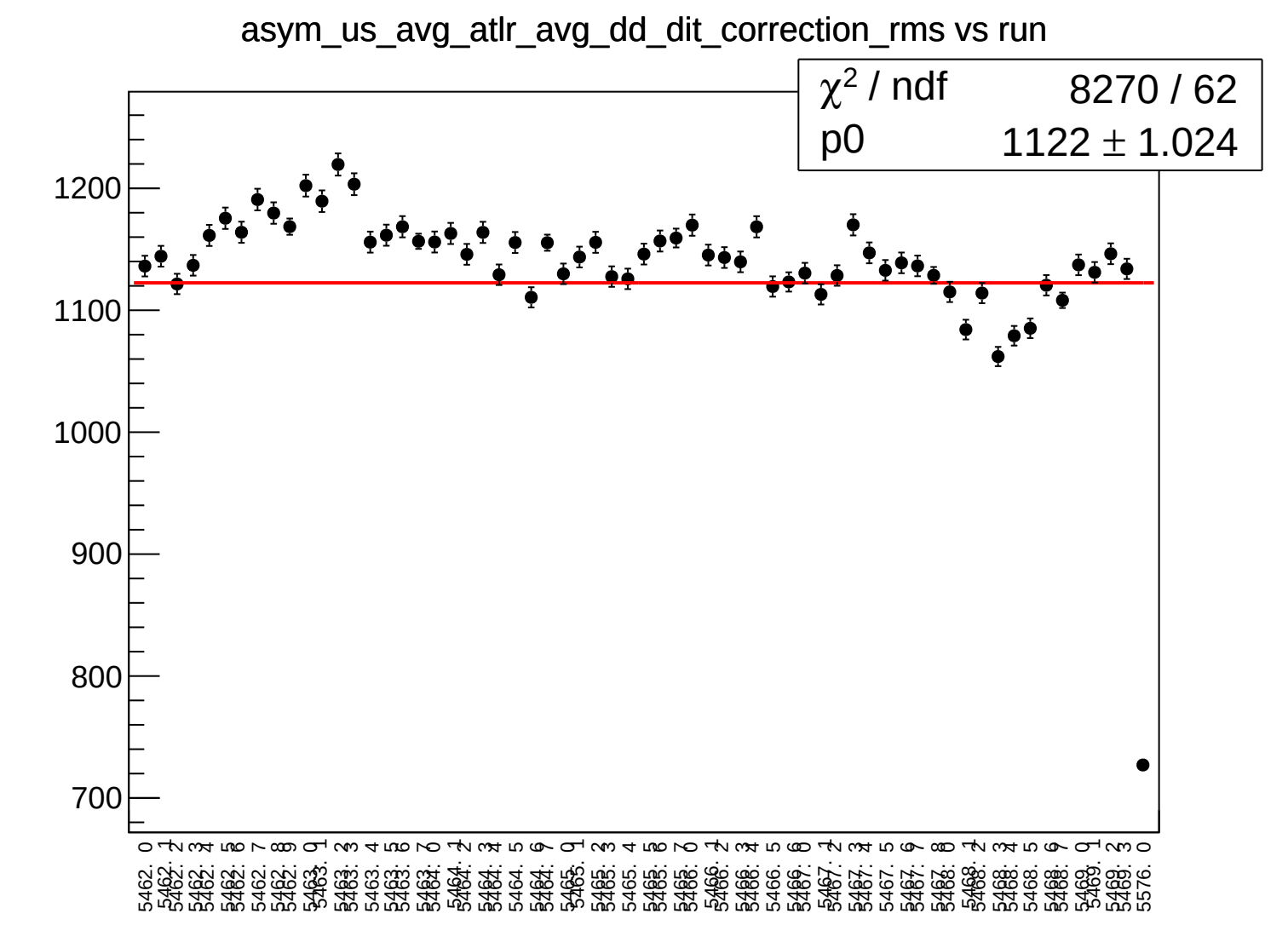

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 68.15 / 60
p0 1139 ± 1790
pull
Entries 61
Mean 45.83
Std Dev 15.49

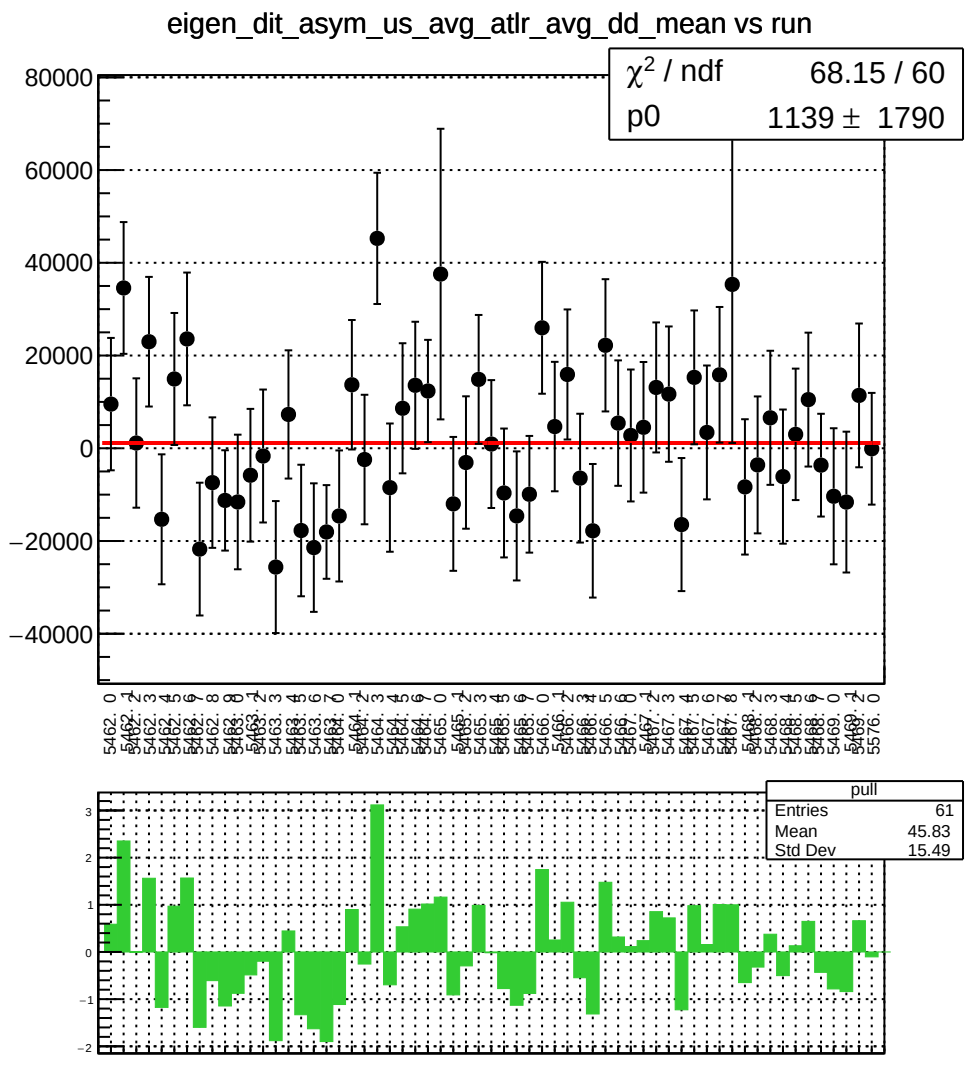

pull1D
Entries 61
Mean 0.03678
Std Dev 1.056

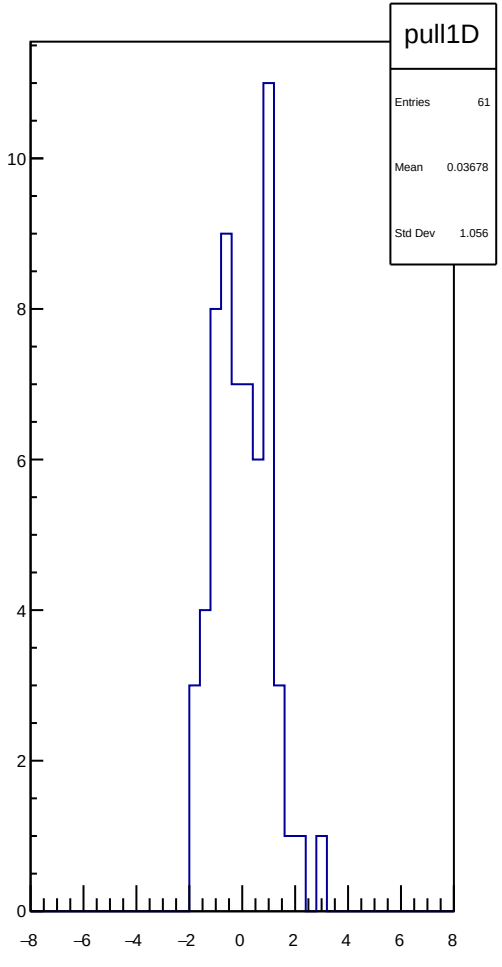

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 5.2e+04 / 62
p0 1362 ± 1.266
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

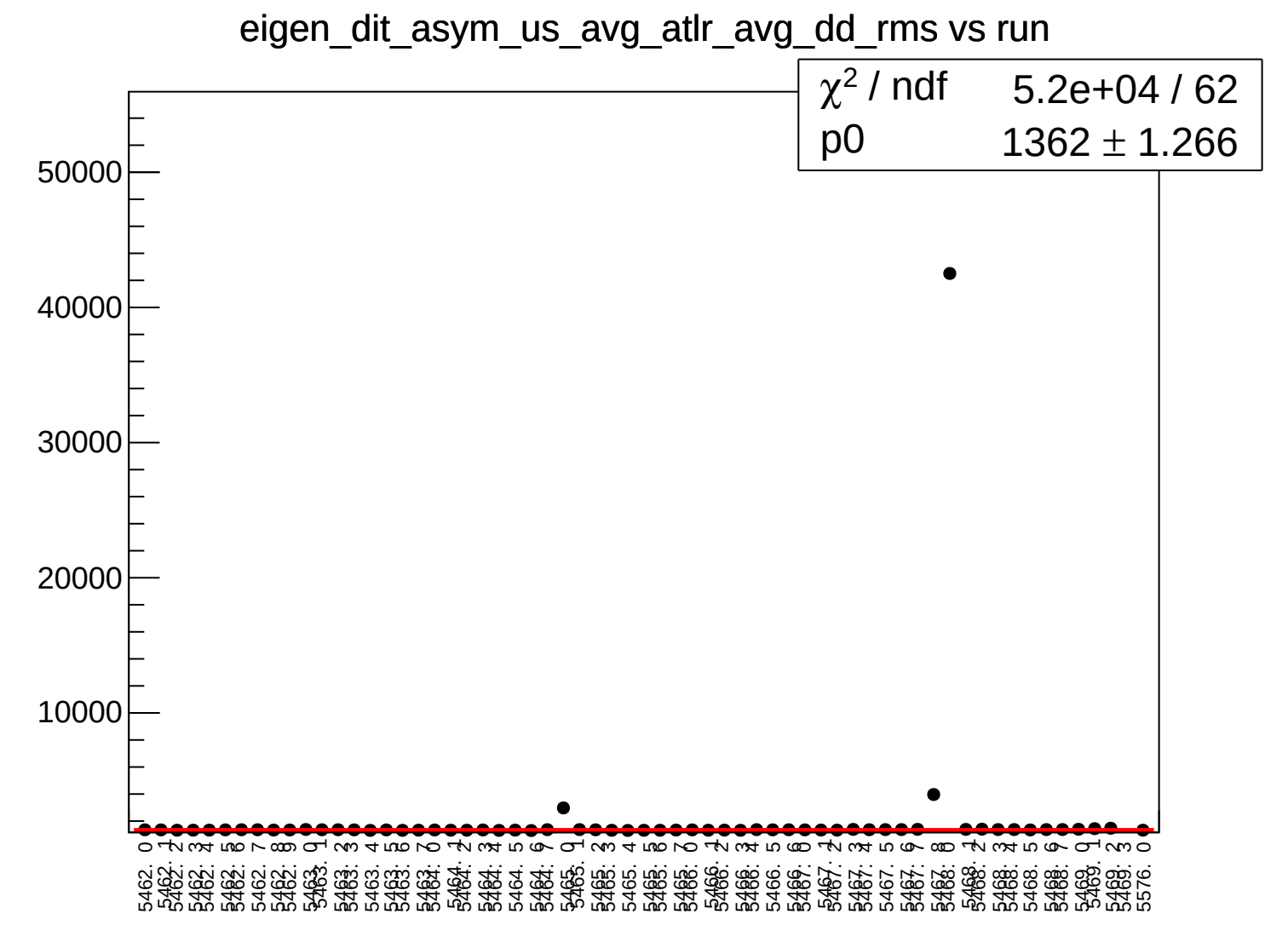

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
χ² / ndf 75.07 / 62
p0 470.5 ± 1448
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 284.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.006886
Std Dev 1.092
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 8270 / 62
p0 1122 ± 1.024
1200
1100
1000
900
800
700


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 68.15 / 60
p0 1139 ± 1790
pull
Entries 61
Mean 45.83
Std Dev 15.49


pull1D
Entries 61
Mean 0.03678
Std Dev 1.056


eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 5.2e+04 / 62
p0 1362 ± 1.266
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
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5464. 7
5464. 9
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5465. 2
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5465. 5
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5465. 7
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5466. 3
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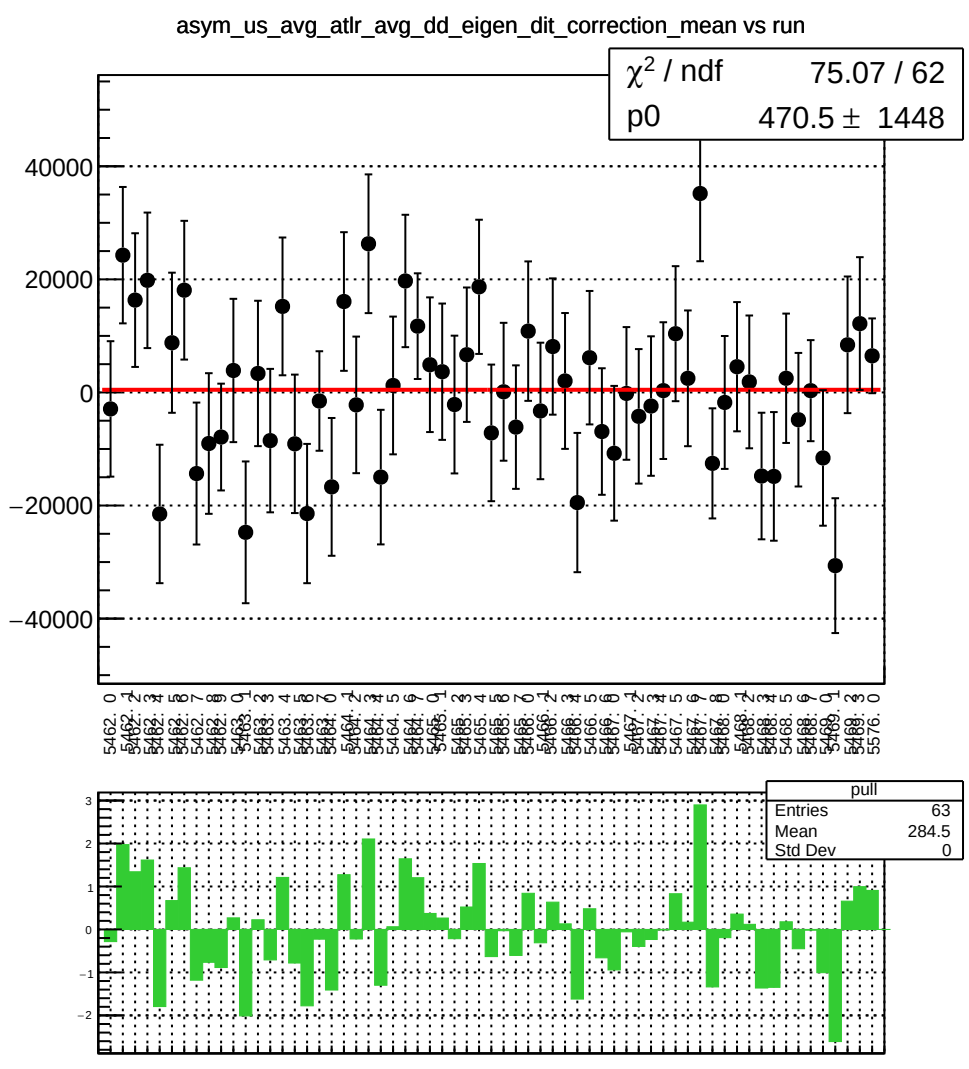
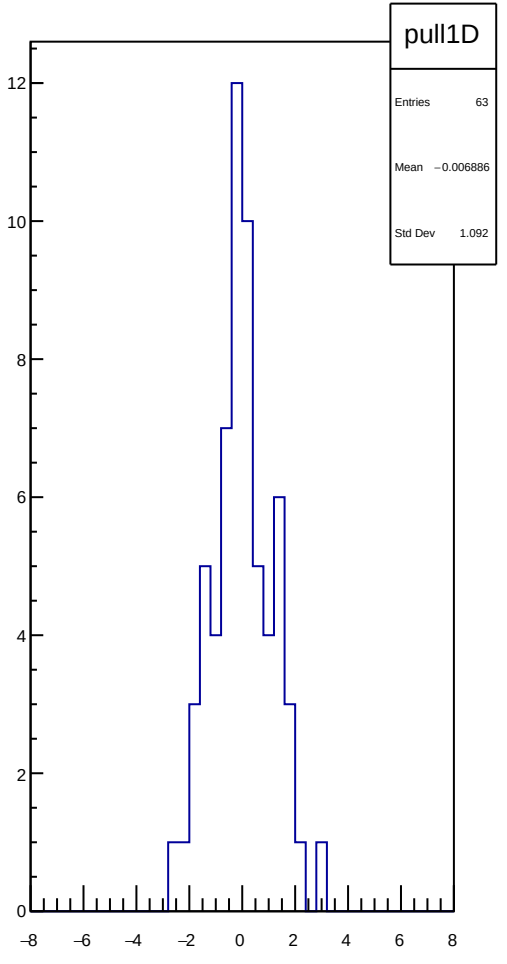
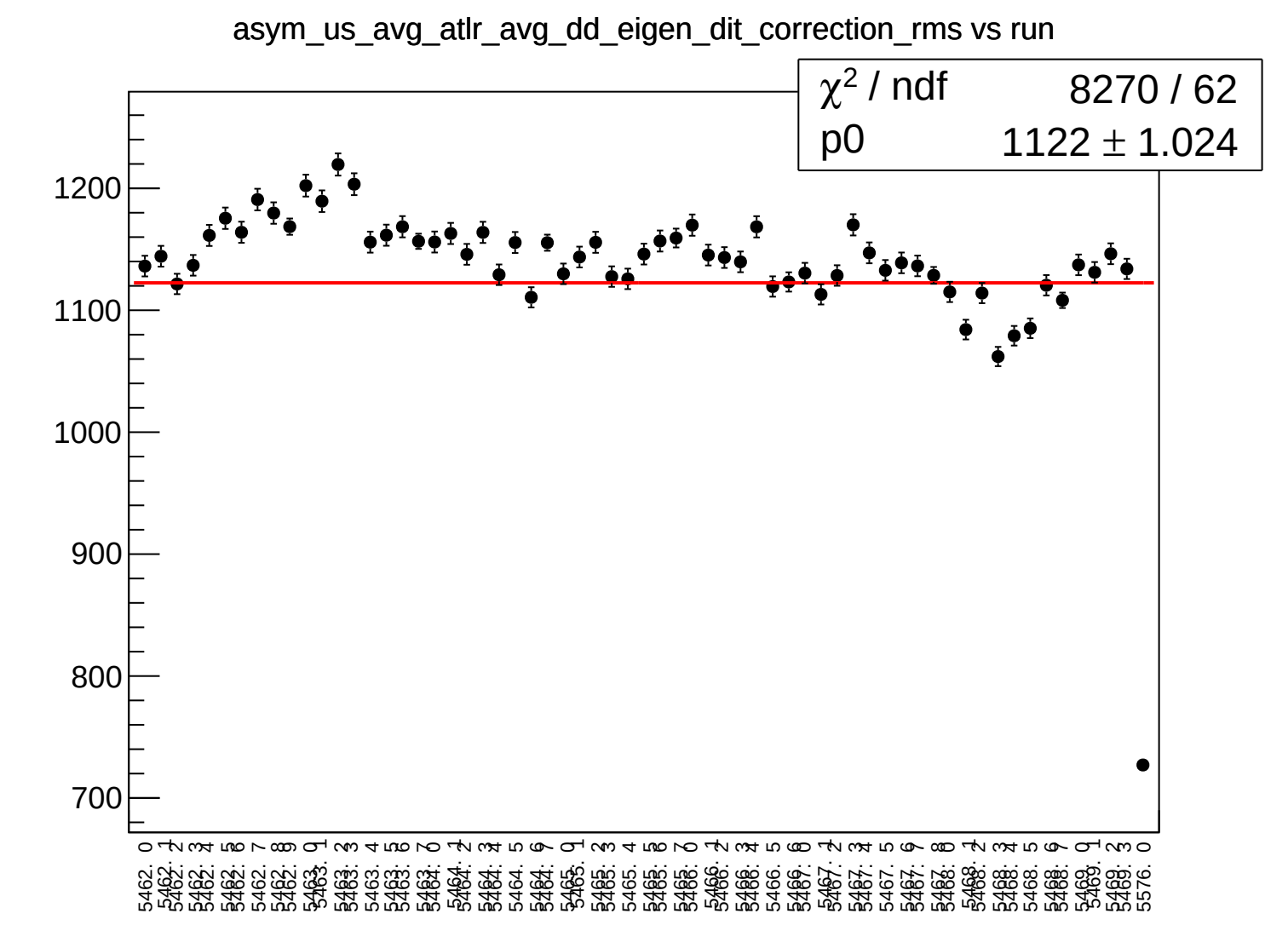
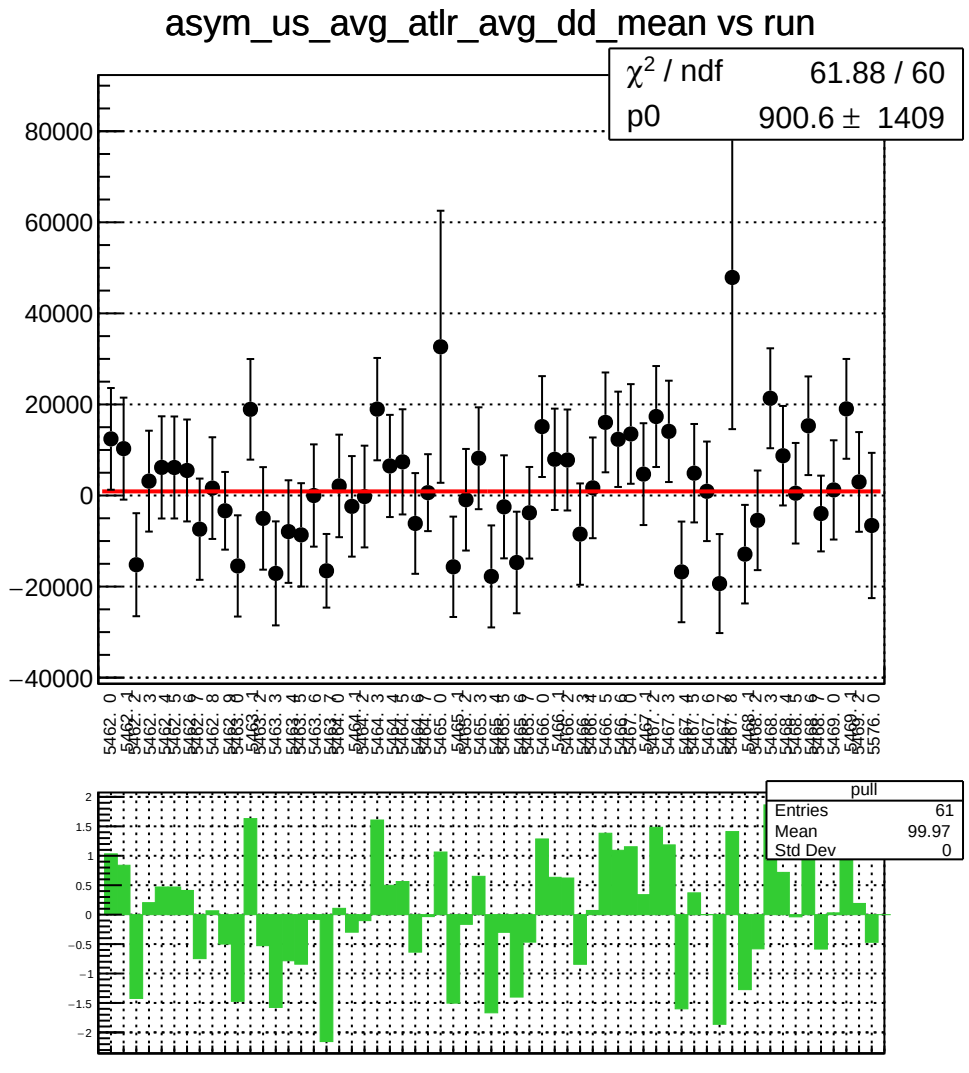
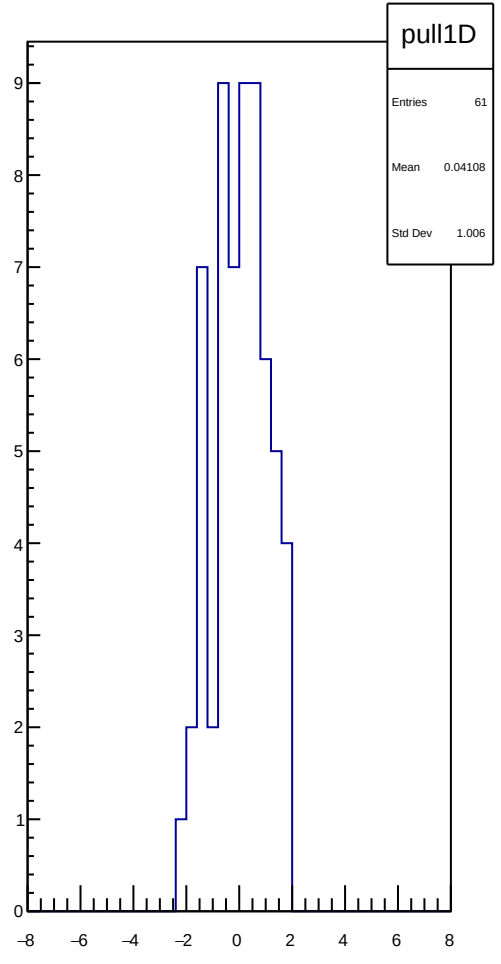
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

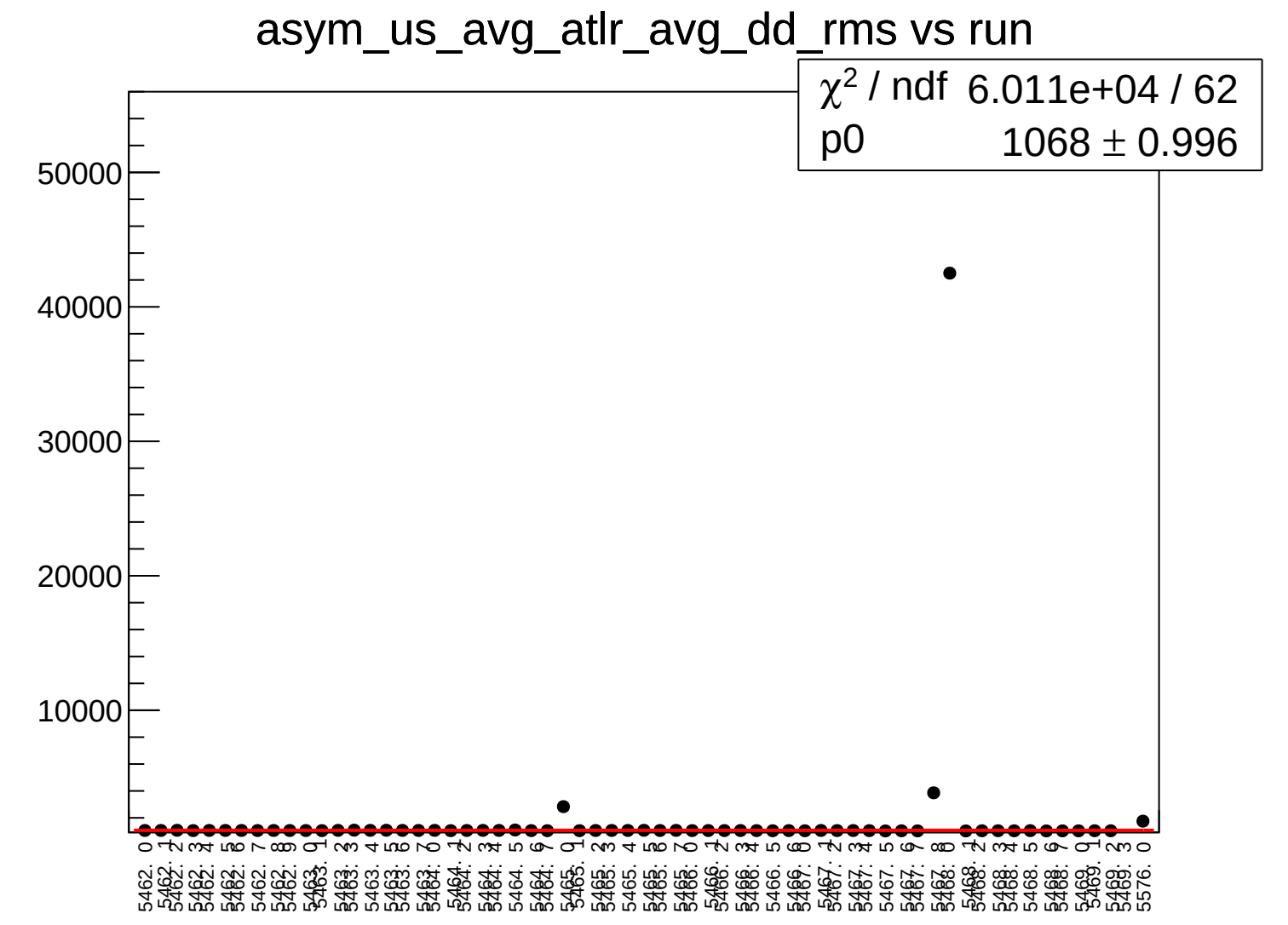

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.07 / 62
p0 470.5 ± 1448
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 284.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.006886
Std Dev 1.092
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 8270 / 62
p0 1122 ± 1.024
1200
1100
1000
900
800
700


asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 61.88 / 60
p0 900.6 ± 1409
pull
Entries 61
Mean 99.97
Std Dev 0


pull1D
Entries 61
Mean 0.04108
Std Dev 1.006


asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 6.011e+04 / 62
p0 1068 ± 0.996
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
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5465. 5
5465. 6
5465. 7
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5466. 2
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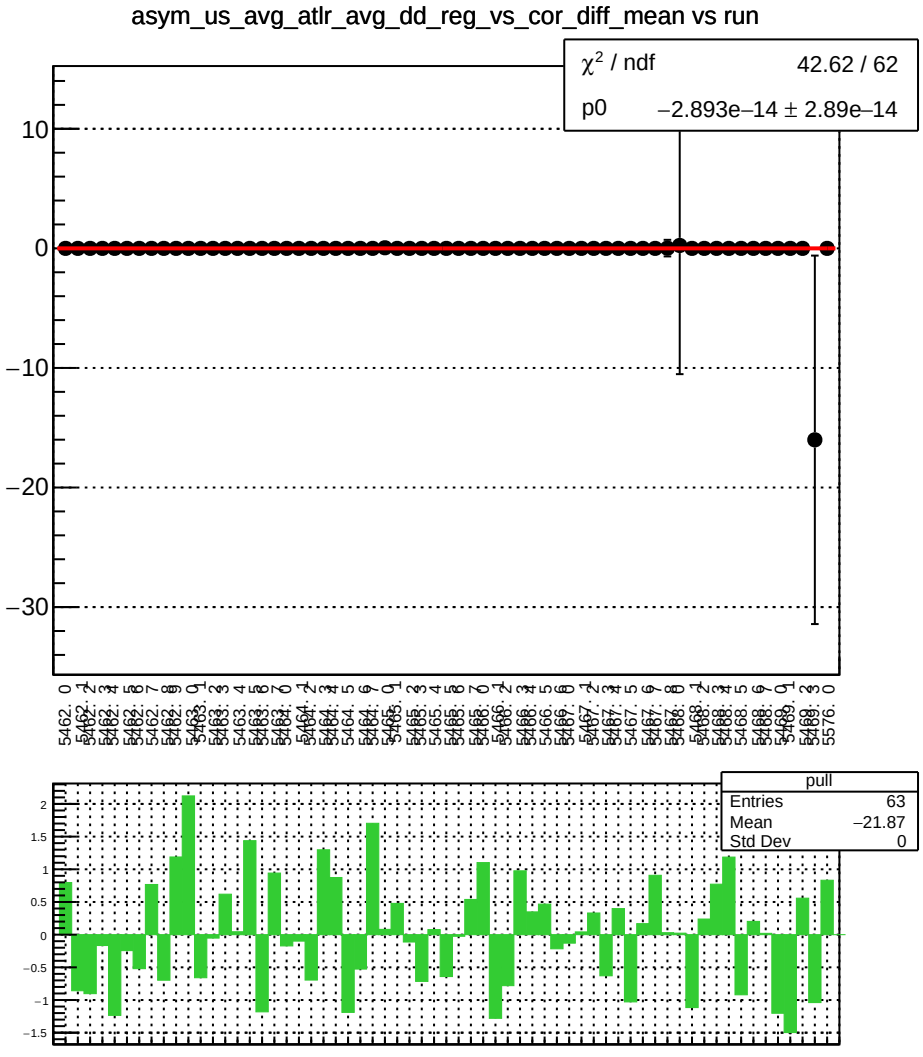
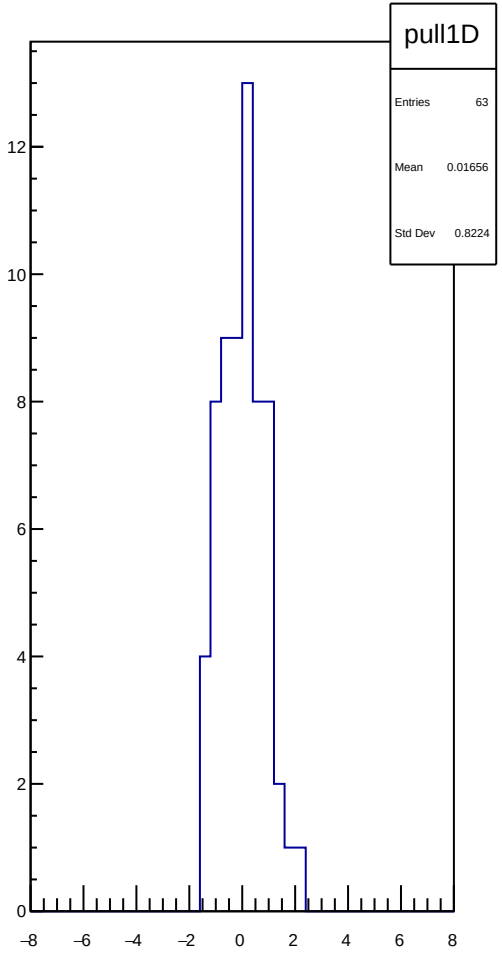
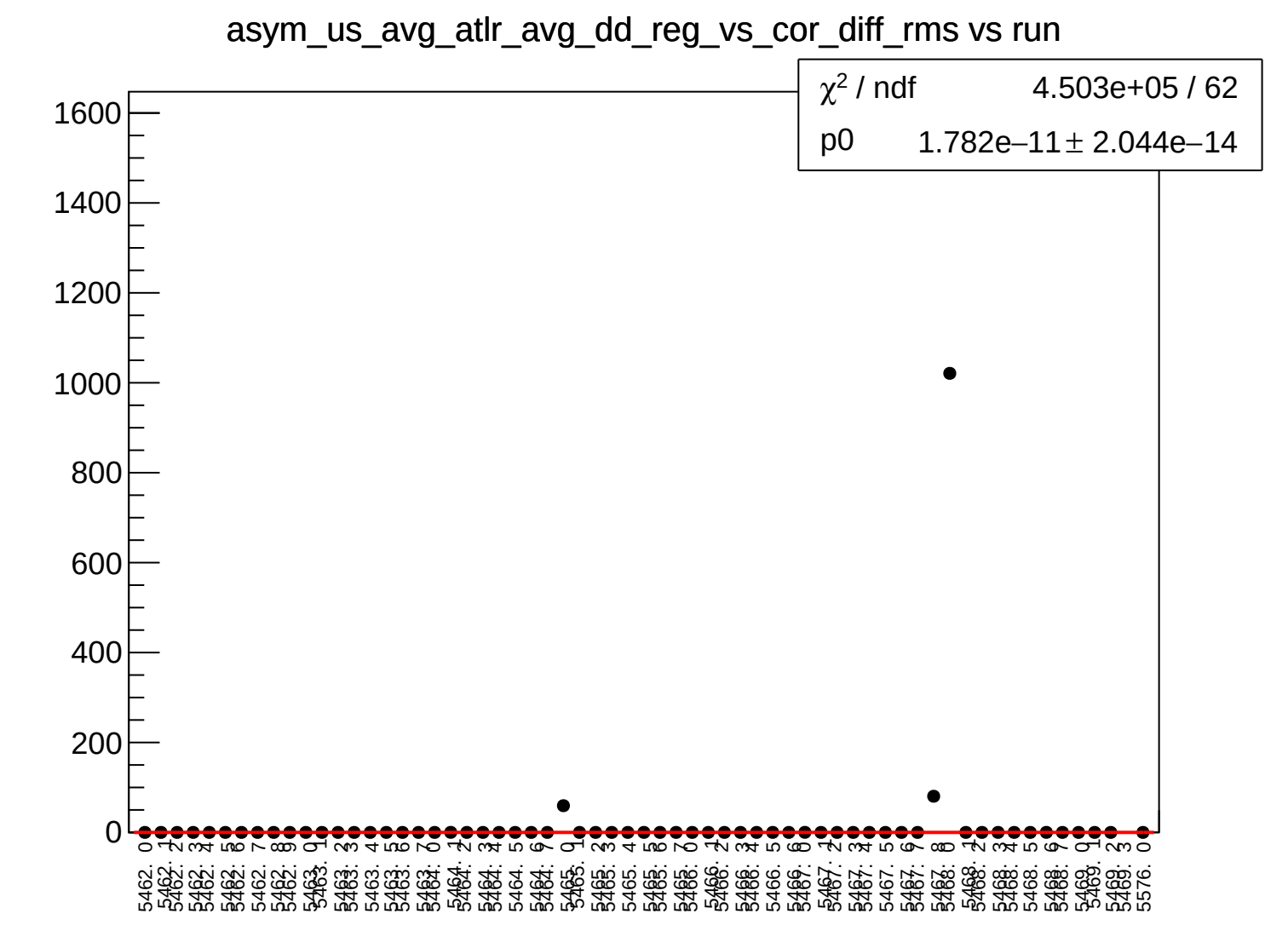
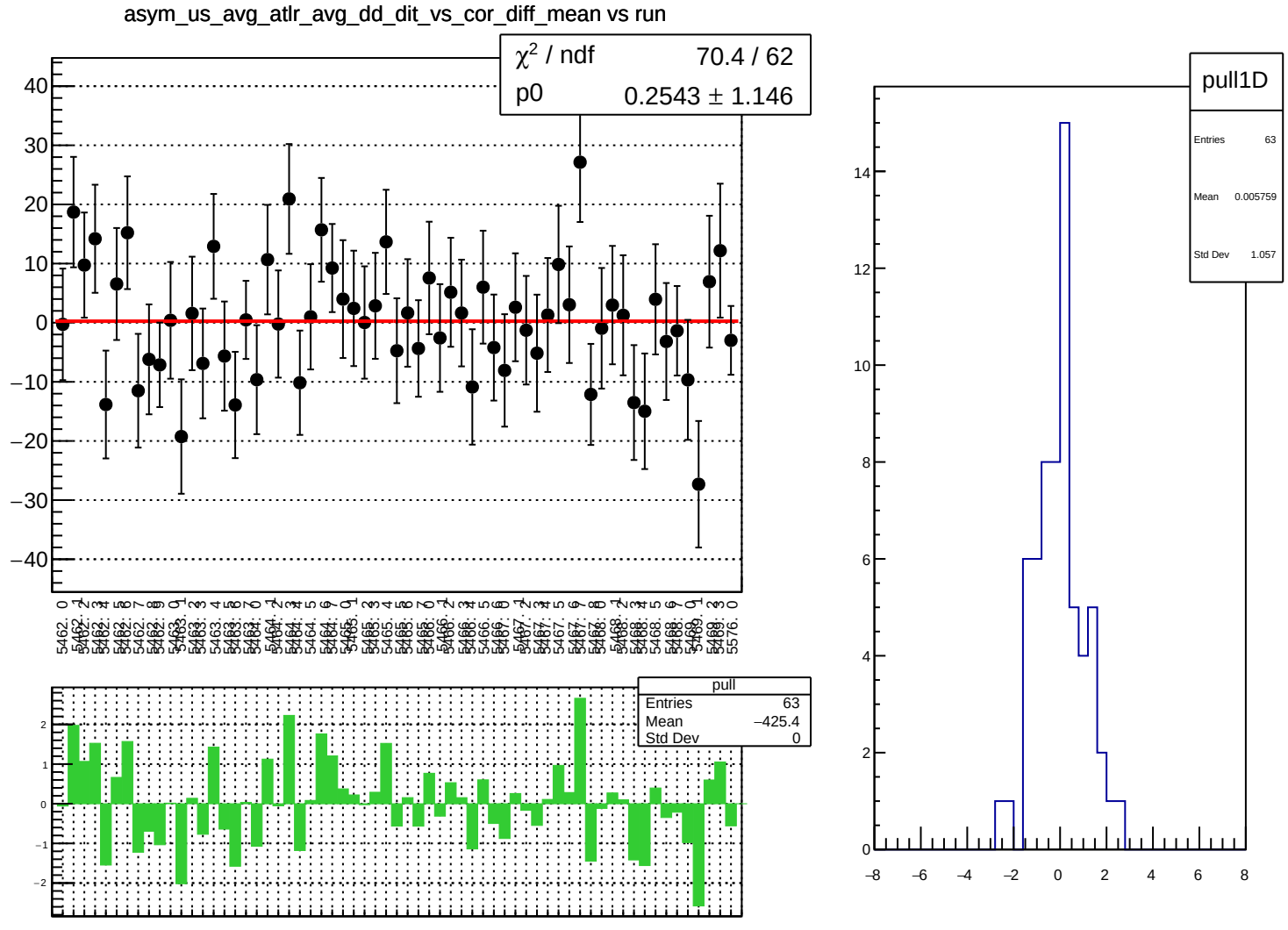
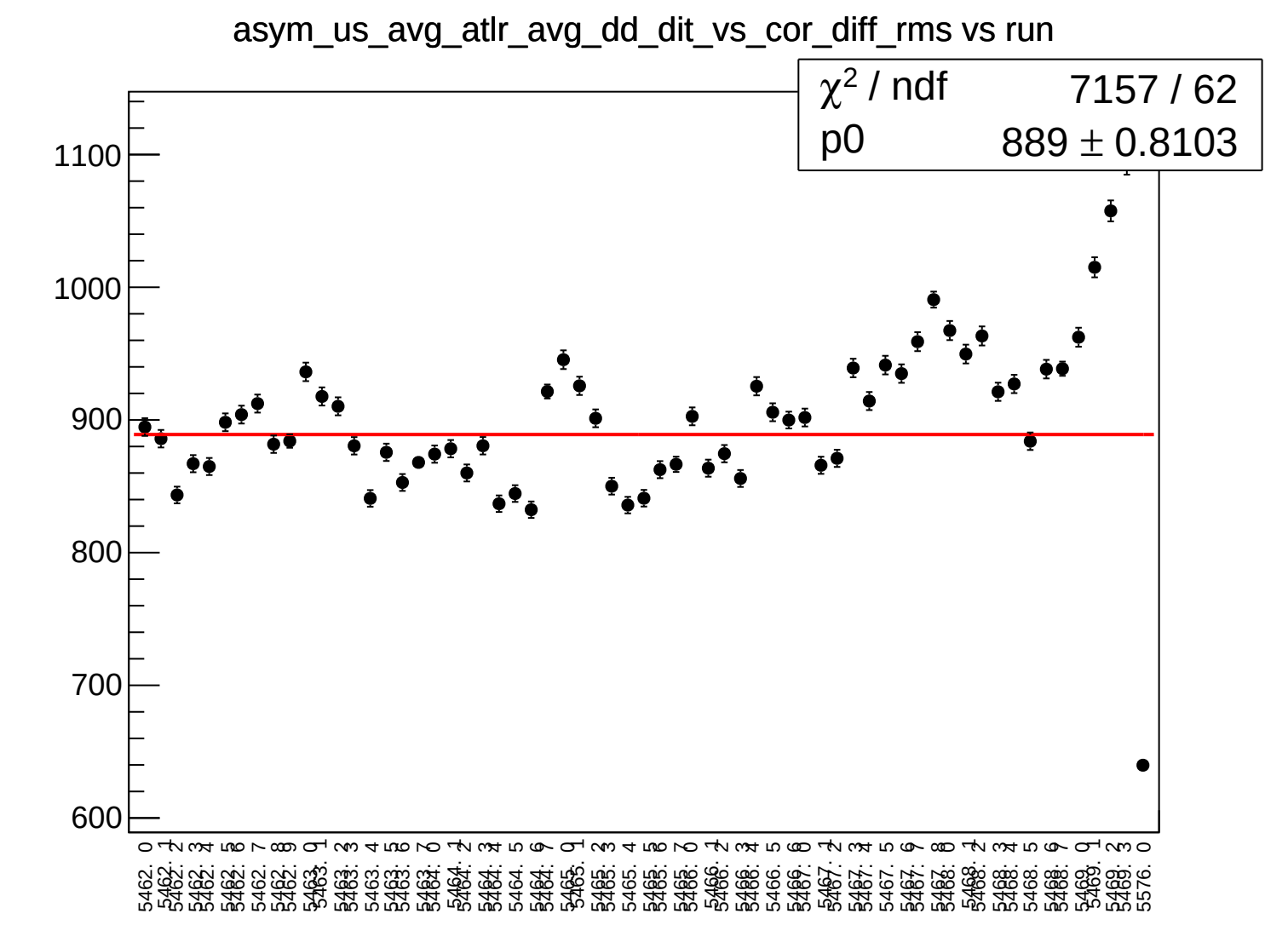
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

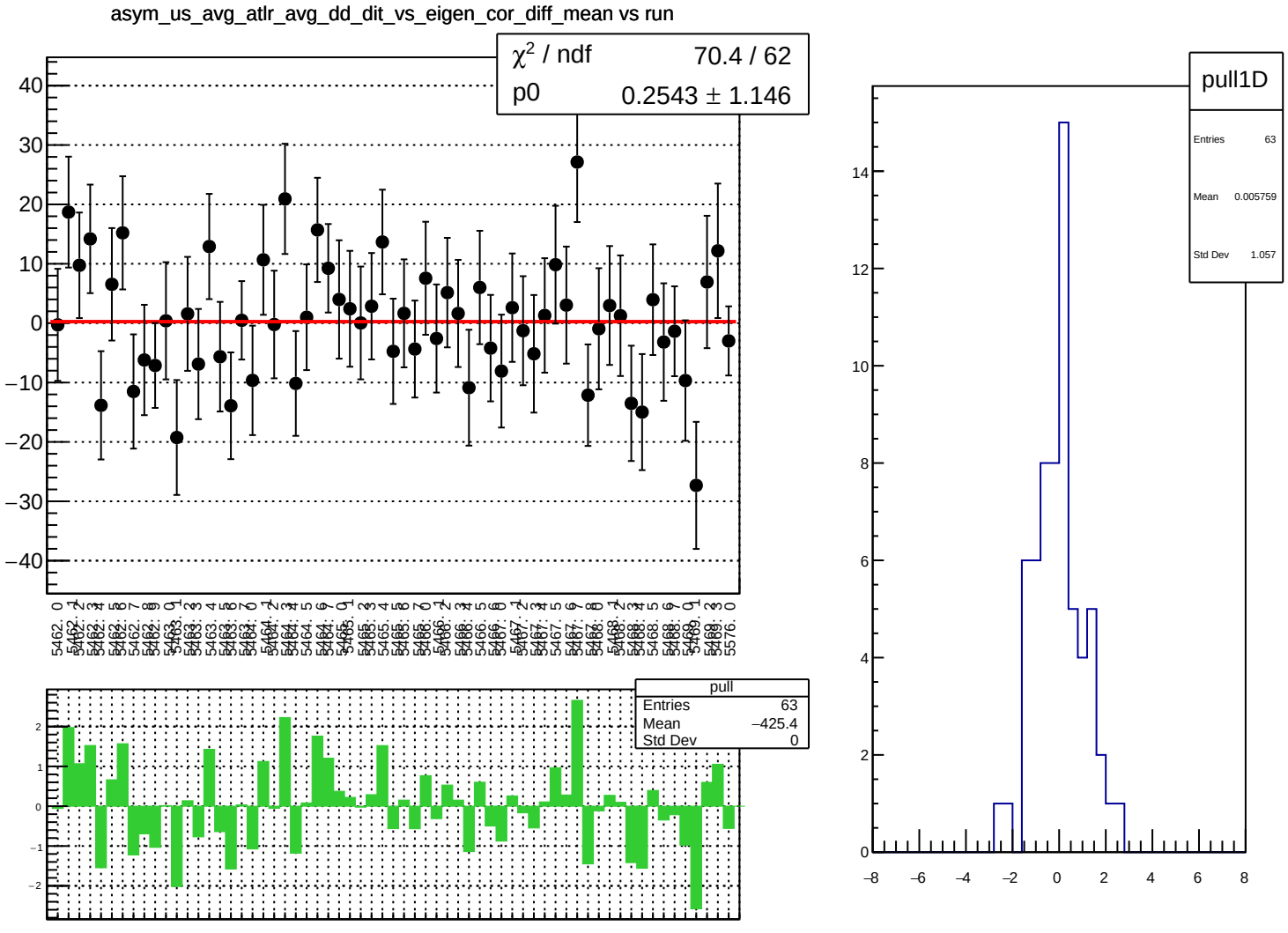

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.62 / 62
p0 −2.893e−14 ± 2.89e−14
pull
Entries 63
Mean −21.87
Std Dev 0

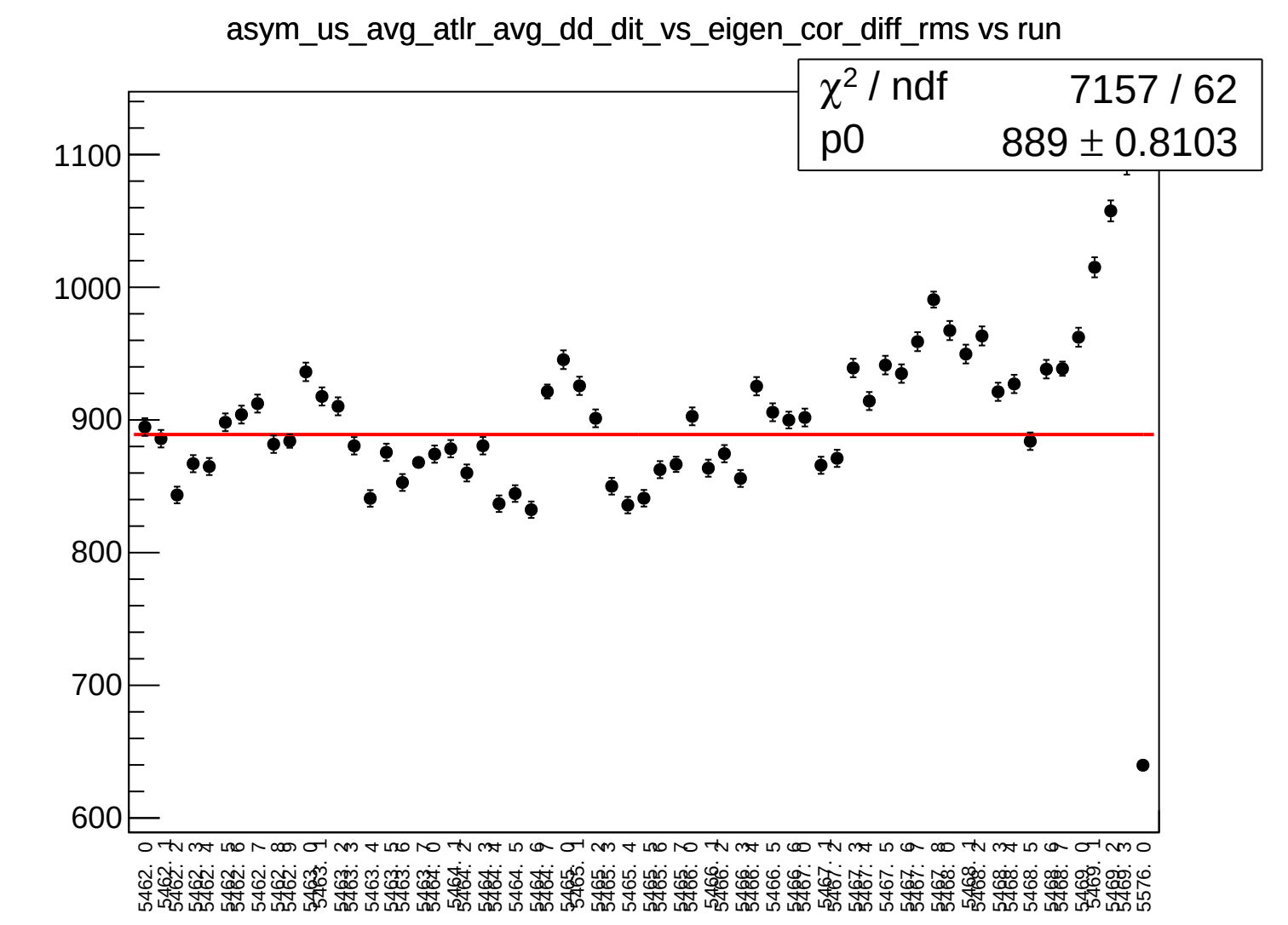

pull1D
Entries 63
Mean 0.01656
Std Dev 0.8224

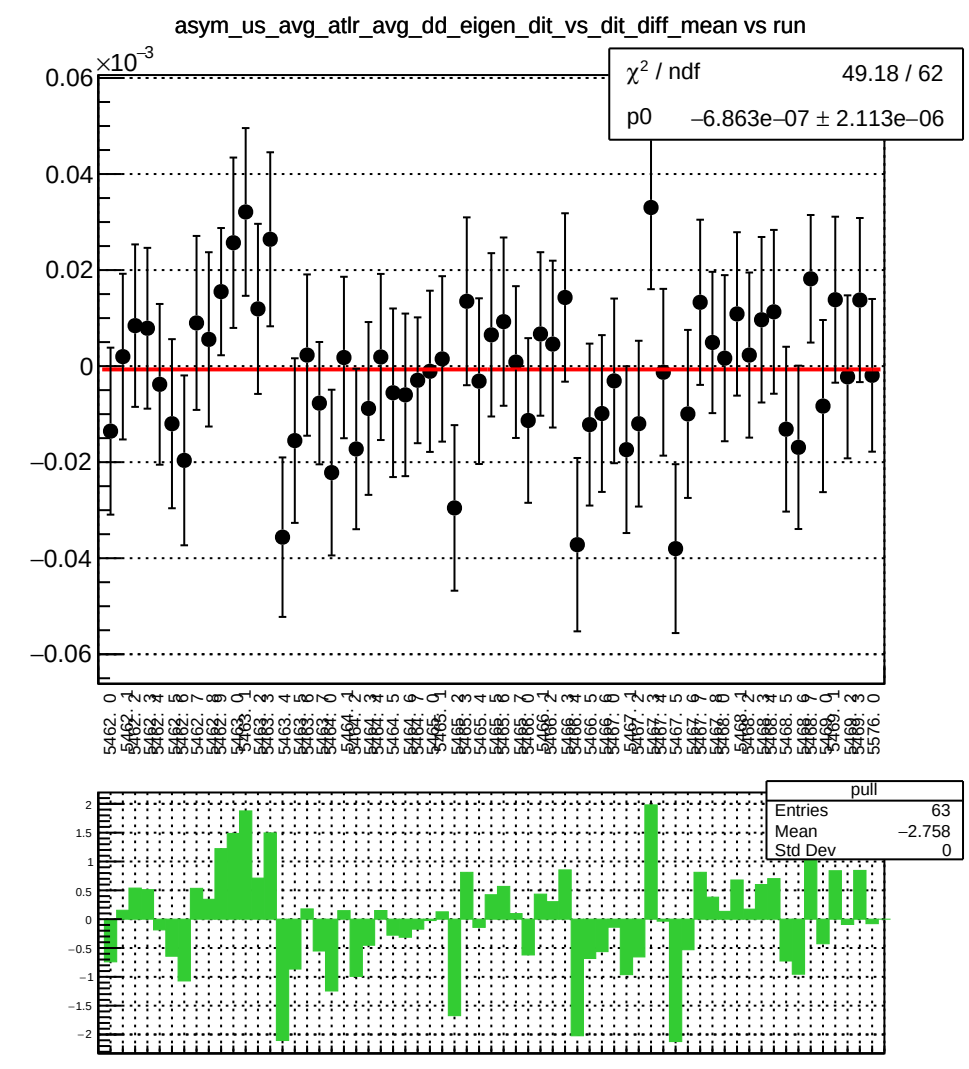

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.503e+05 / 62
p0 1.782e−11 ± 2.044e−14
1600
1400
1200
1000
800
600
400
200
0

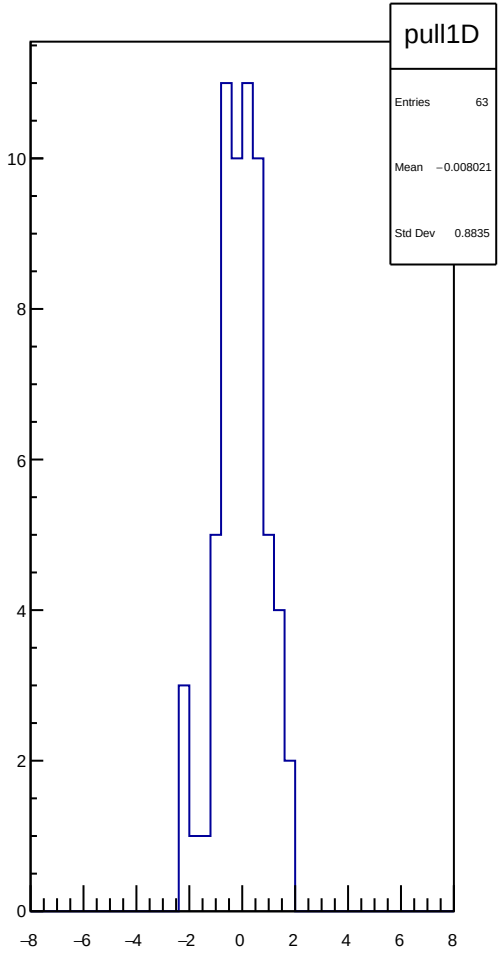

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.4 / 62
p0 0.2543 ± 1.146
pull
Entries 63
Mean −425.4
Std Dev 0
pull1D
Entries 63
Mean 0.005759
Std Dev 1.057

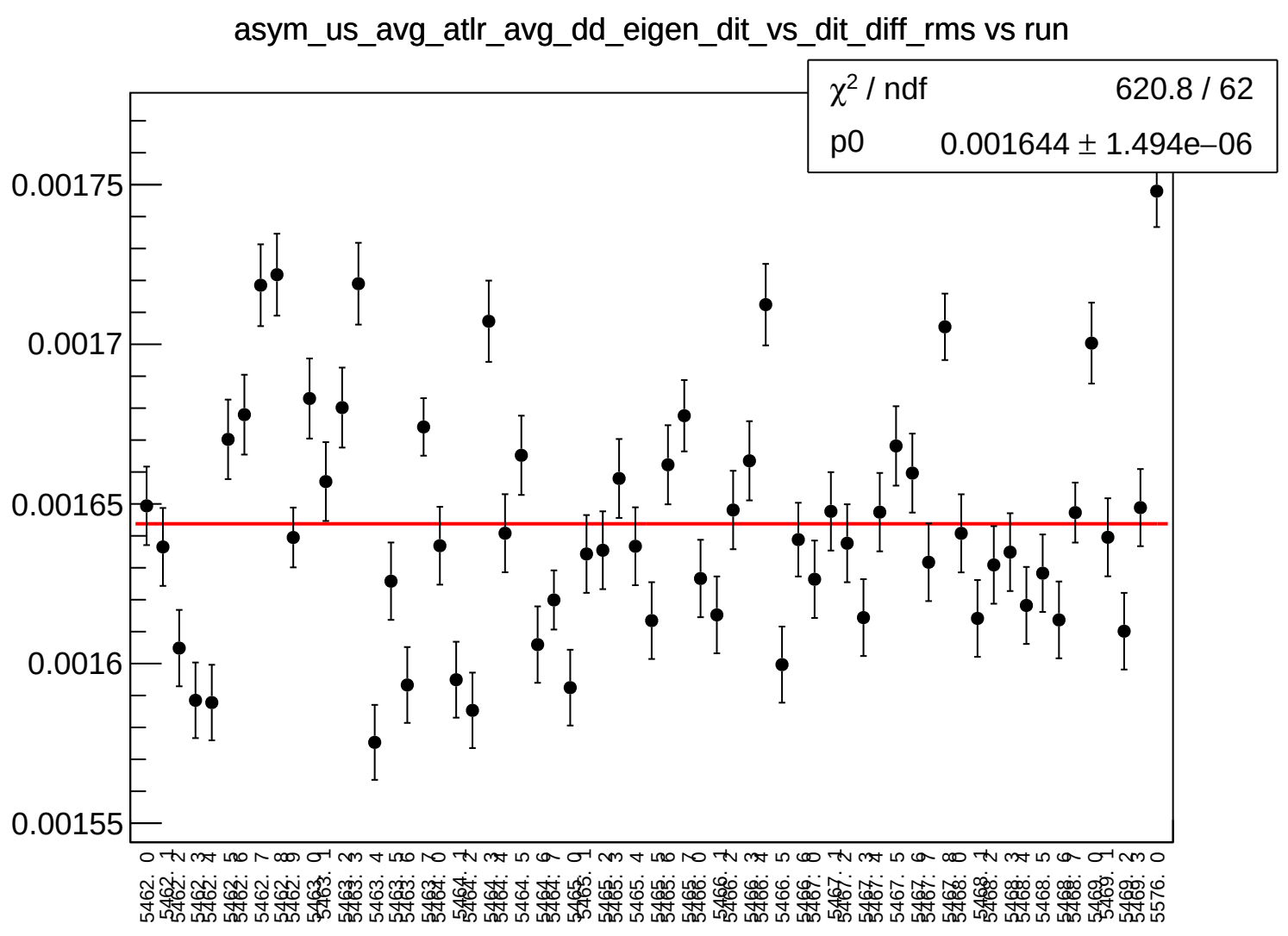

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7157 / 62
p0 889 ± 0.8103
1100
1000
900
800
700
600

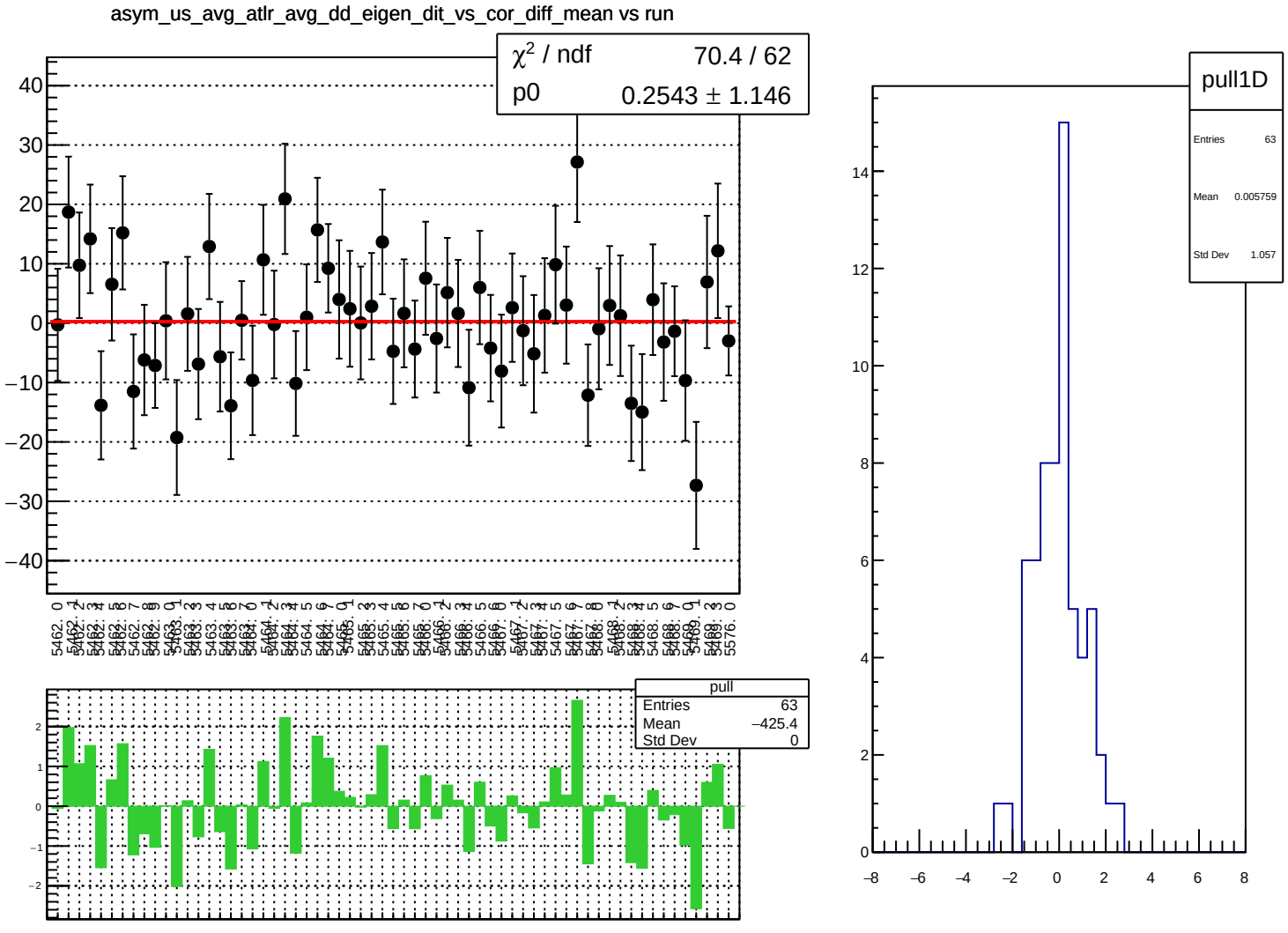

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.4 / 62
p0 0.2543 ± 1.146
pull
Entries 63
Mean −425.4
Std Dev 0
pull1D
Entries 63
Mean 0.005759
Std Dev 1.057

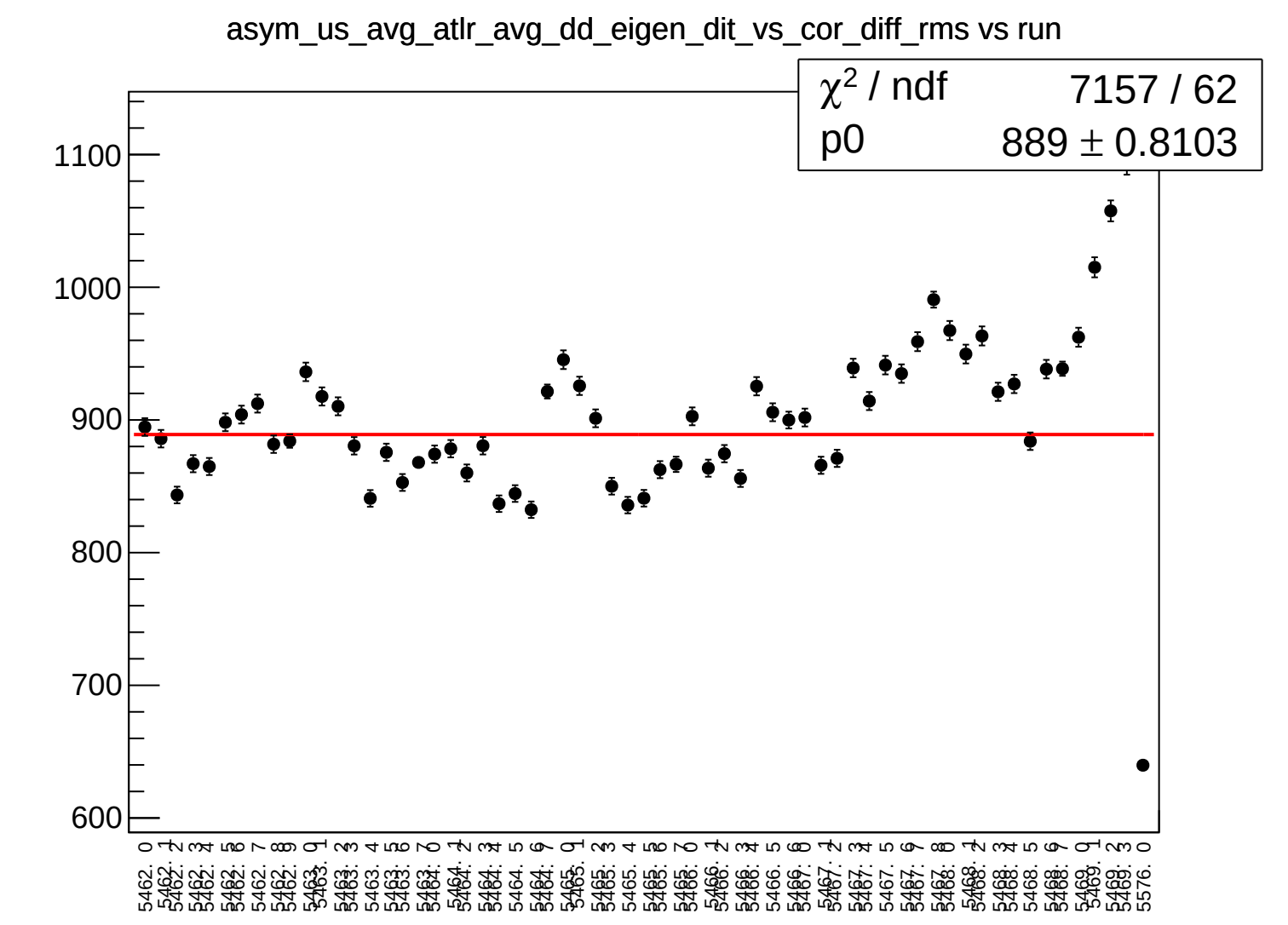

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7157 / 62
p0 889 ± 0.8103
1100
1000
900
800
700
600

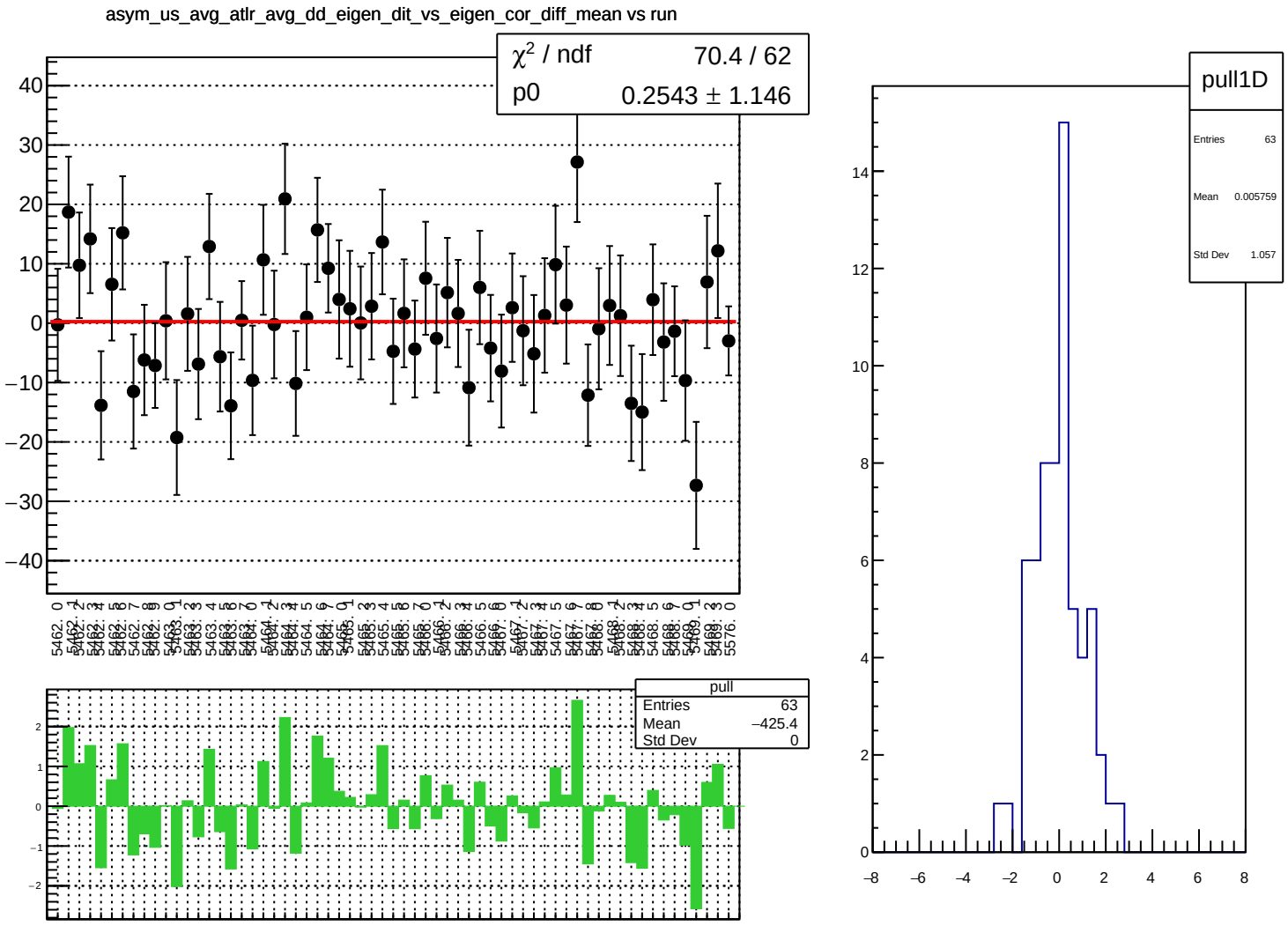

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.18 / 62
p0 −6.863e−07 ± 2.113e−06
pull
Entries 63
Mean −2.758
Std Dev 0

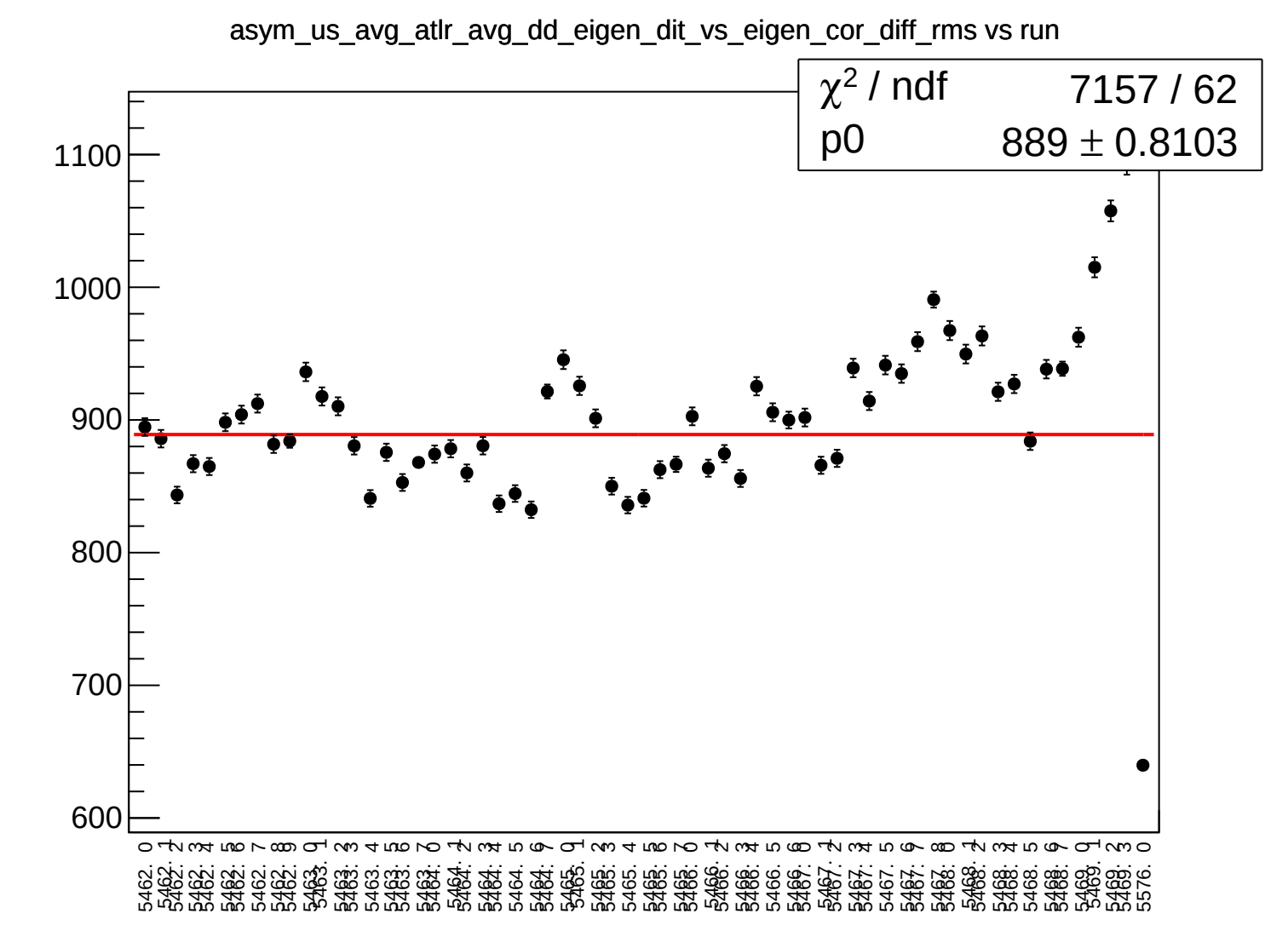

pull1D
Entries 63
Mean −0.008021
Std Dev 0.8835

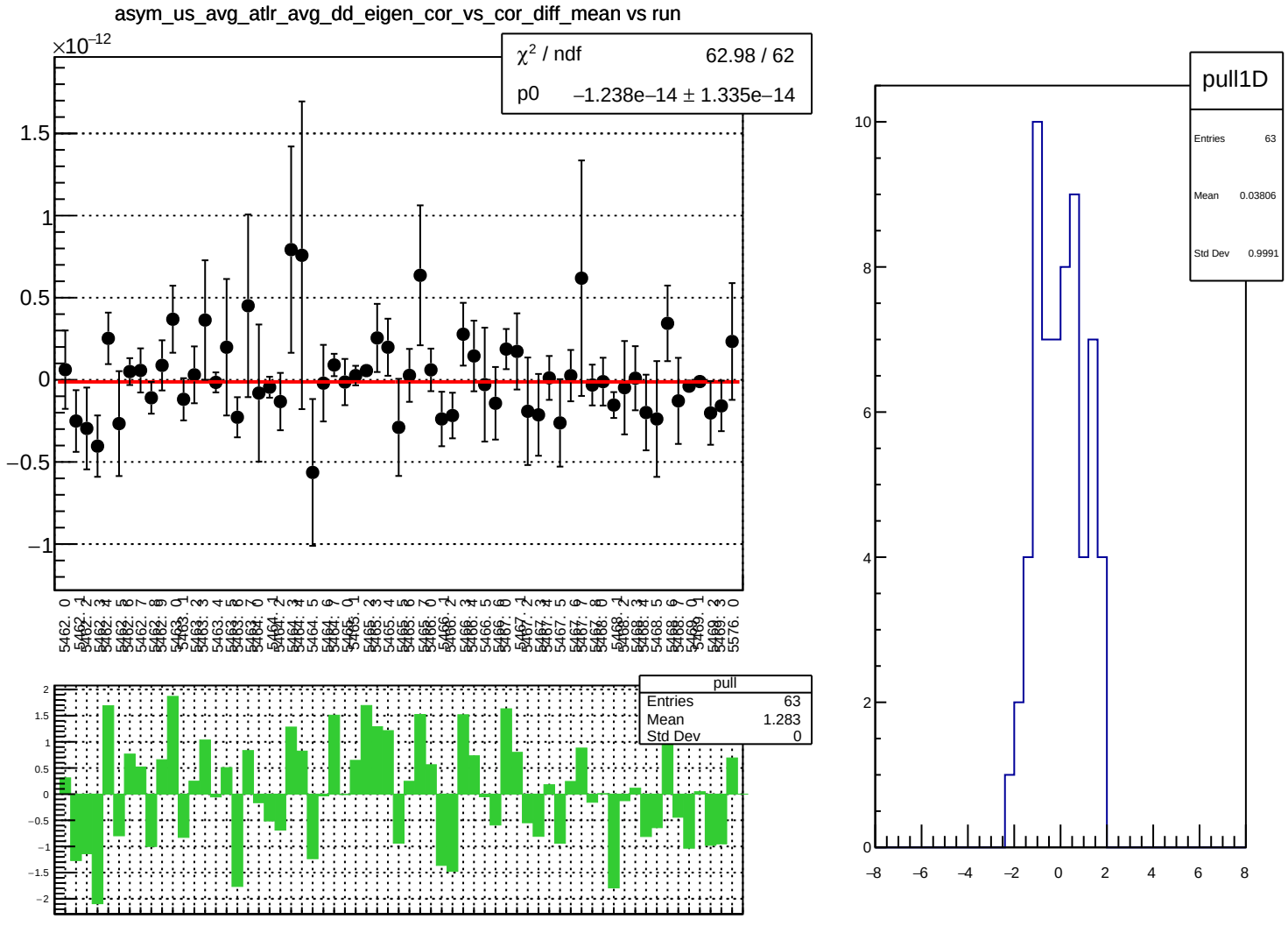

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 620.8 / 62
p0 0.001644 ± 1.494e−06
0.00175
0.0017
0.00165
0.0016
0.00155

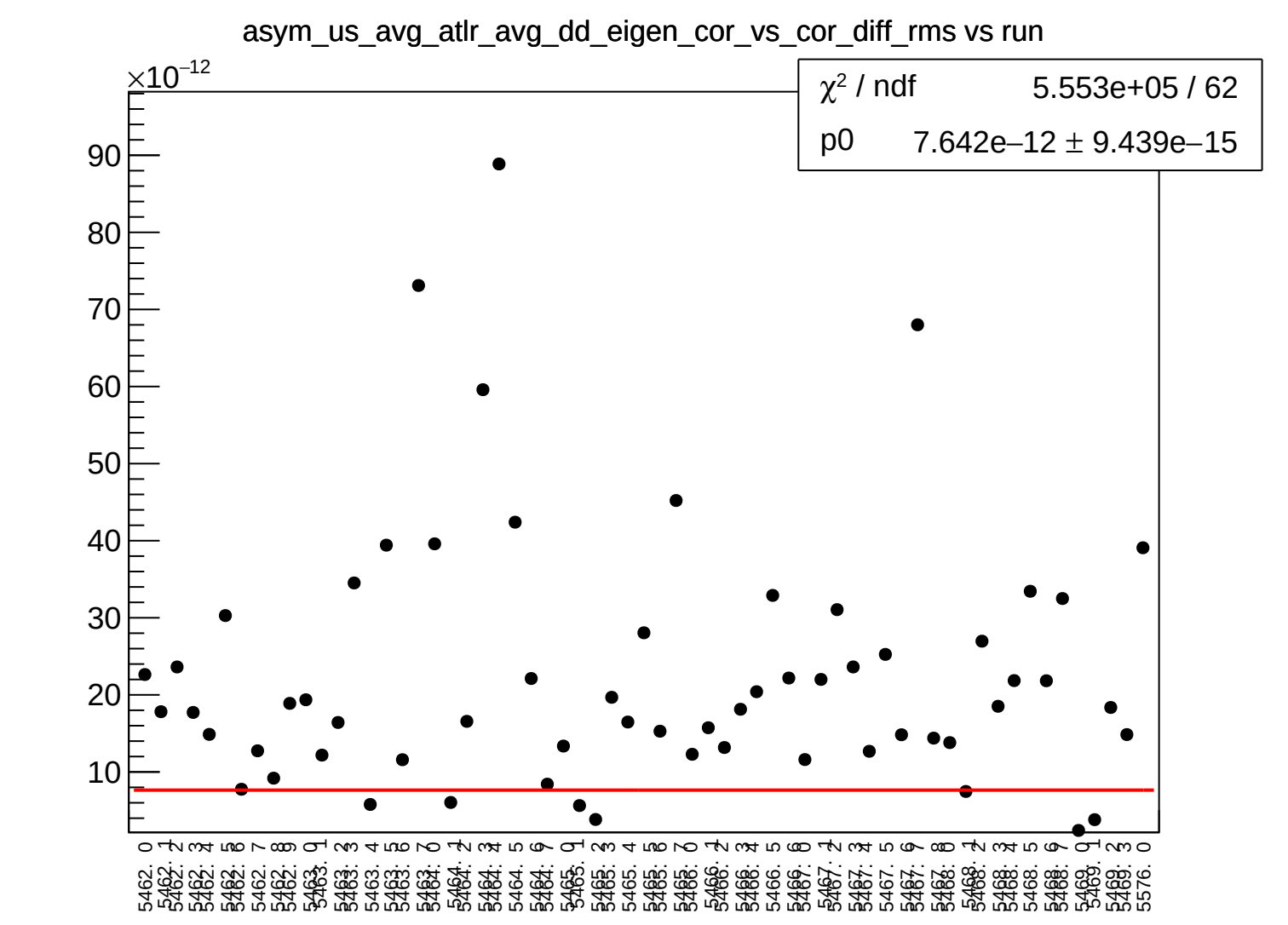

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.4 / 62
p0 0.2543 ± 1.146
pull
Entries 63
Mean −425.4
Std Dev 0
pull1D
Entries 63
Mean 0.005759
Std Dev 1.057

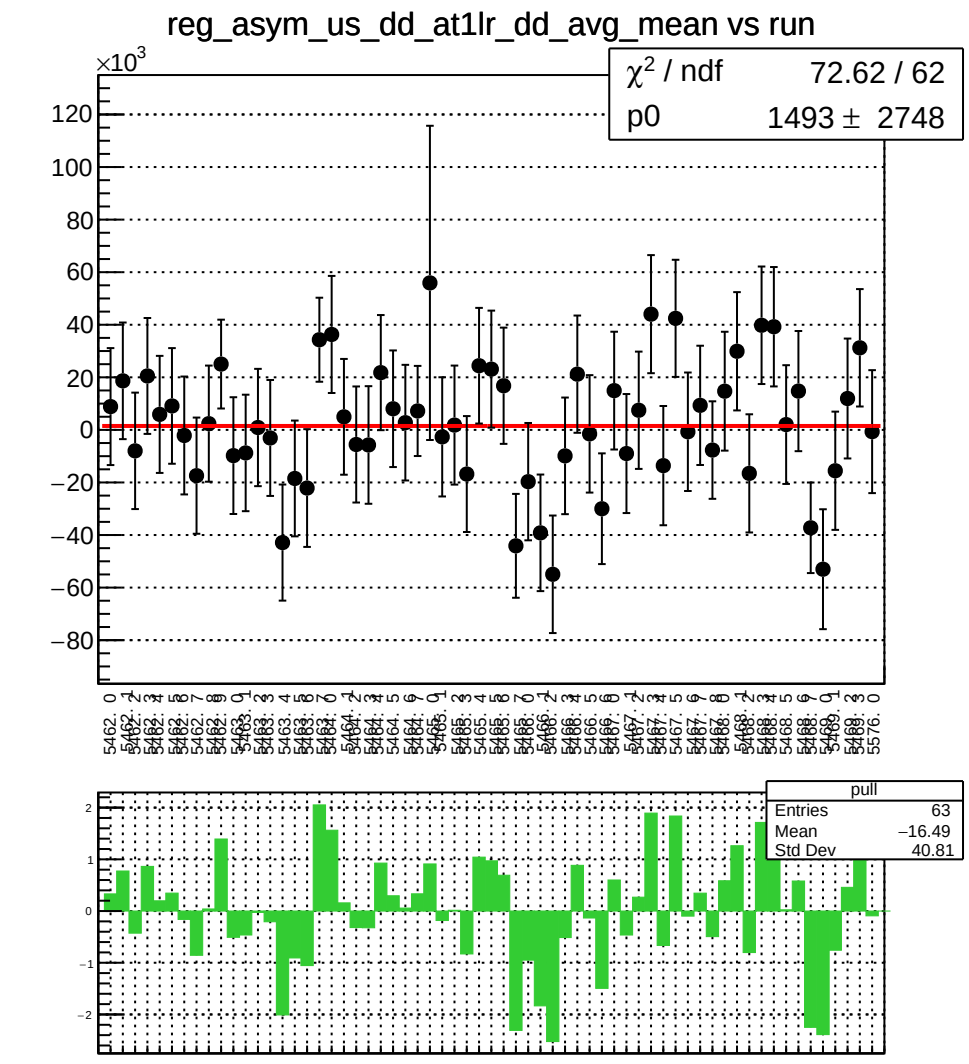

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7157 / 62
p0 889 ± 0.8103
1100
1000
900
800
700
600

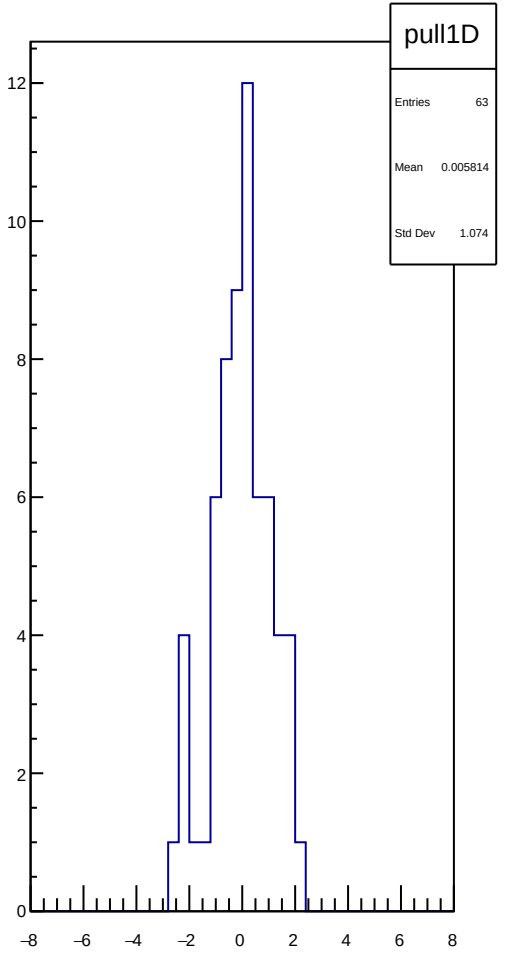

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.4 / 62
p0 0.2543 ± 1.146
pull
Entries 63
Mean −425.4
Std Dev 0
pull1D
Entries 63
Mean 0.005759
Std Dev 1.057

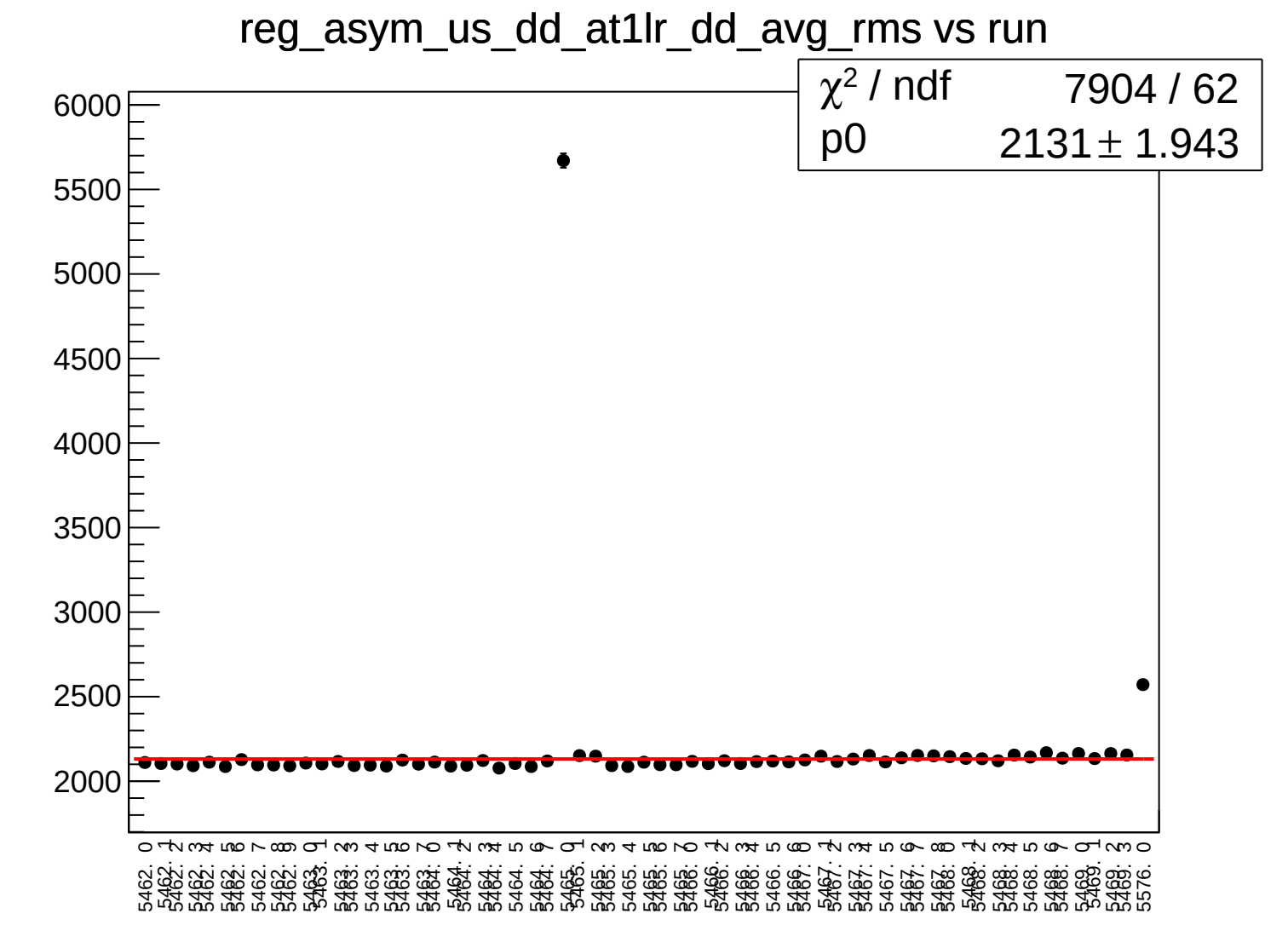

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7157 / 62
p0 889 ± 0.8103
1100
1000
900
800
700
600

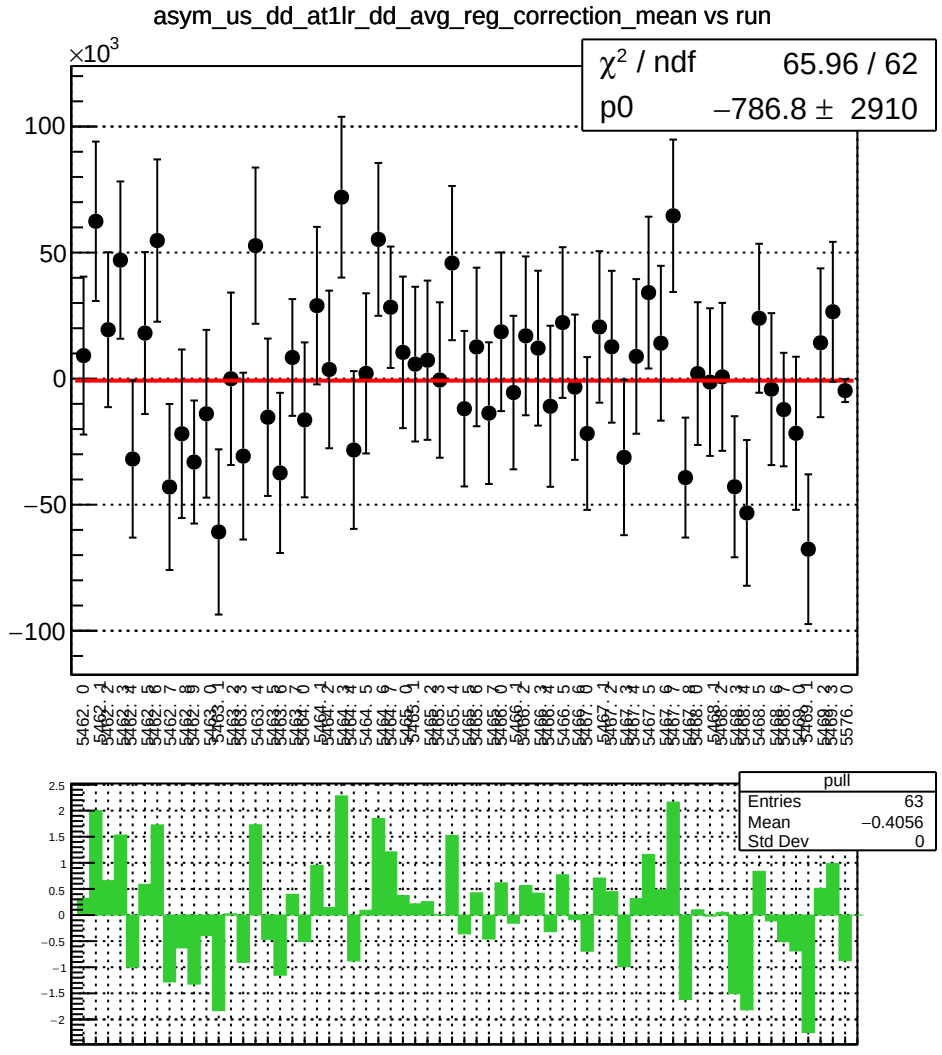

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.98 / 62
p0 −1.238e−14 ± 1.335e−14
pull
Entries 63
Mean 1.283
Std Dev 0
pull1D
Entries 63
Mean 0.03806
Std Dev 0.9991

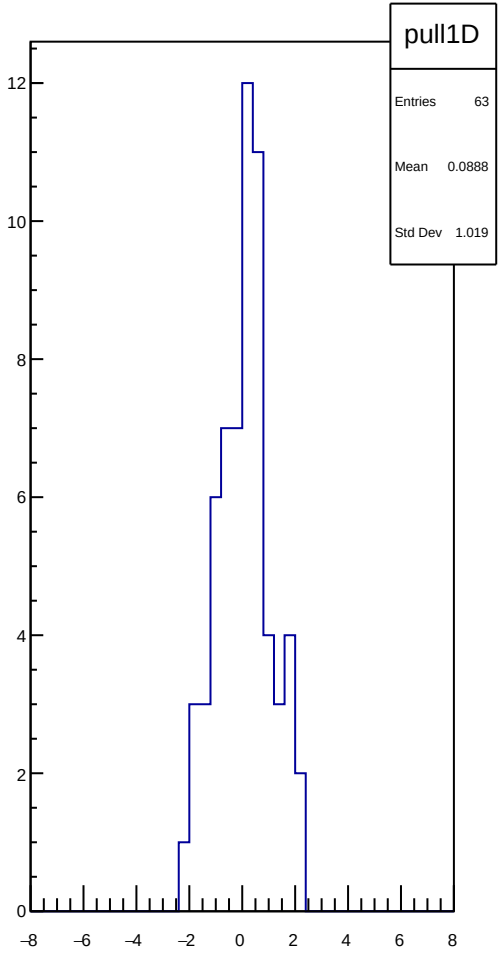

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.553e+05 / 62
p0 7.642e−12 ± 9.439e−15
90
80
70
60
50
40
30
20
10

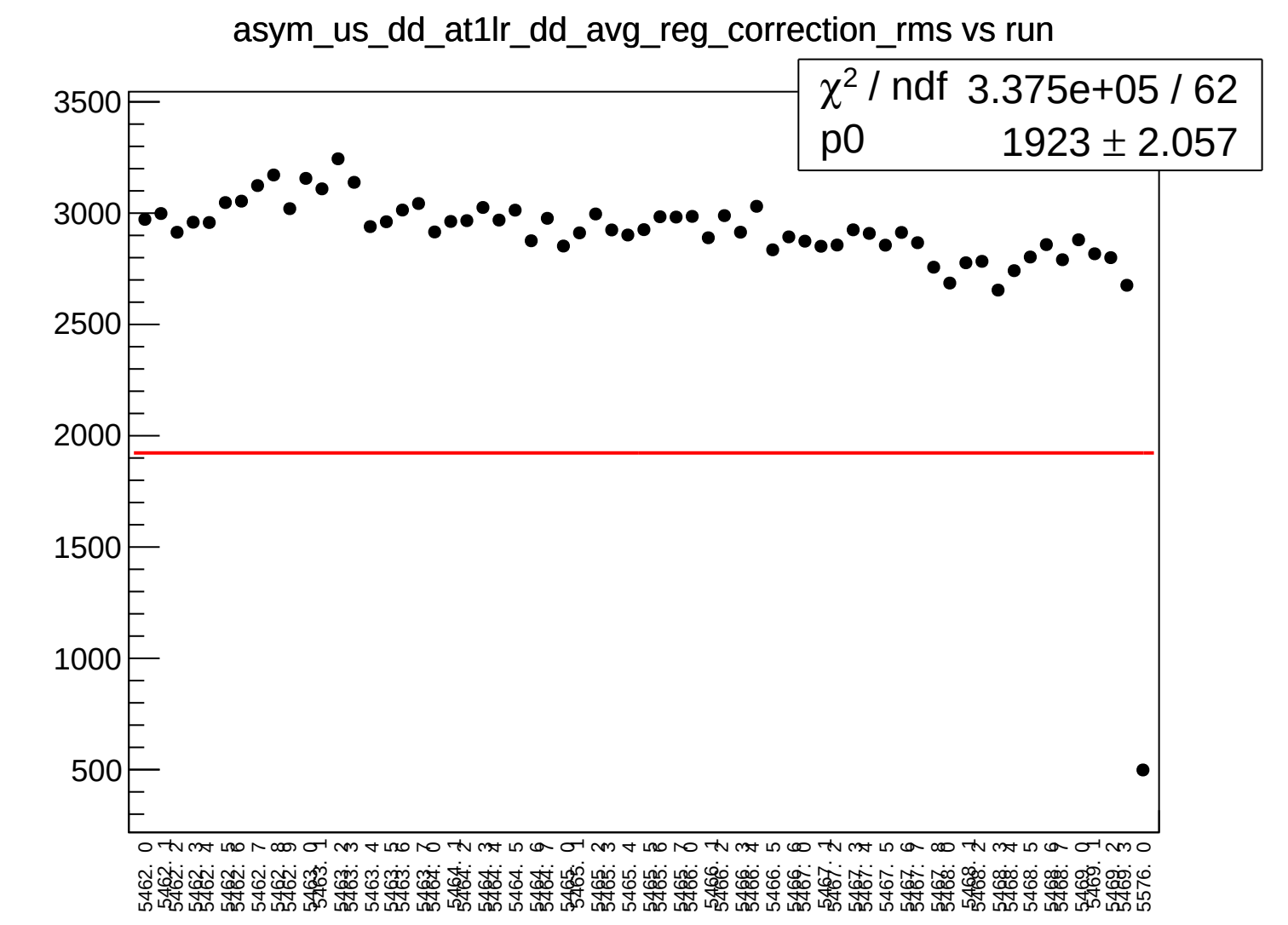

reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 72.62 / 62
p0 1493 ± 2748
pull
Entries 63
Mean −16.49
Std Dev 40.81

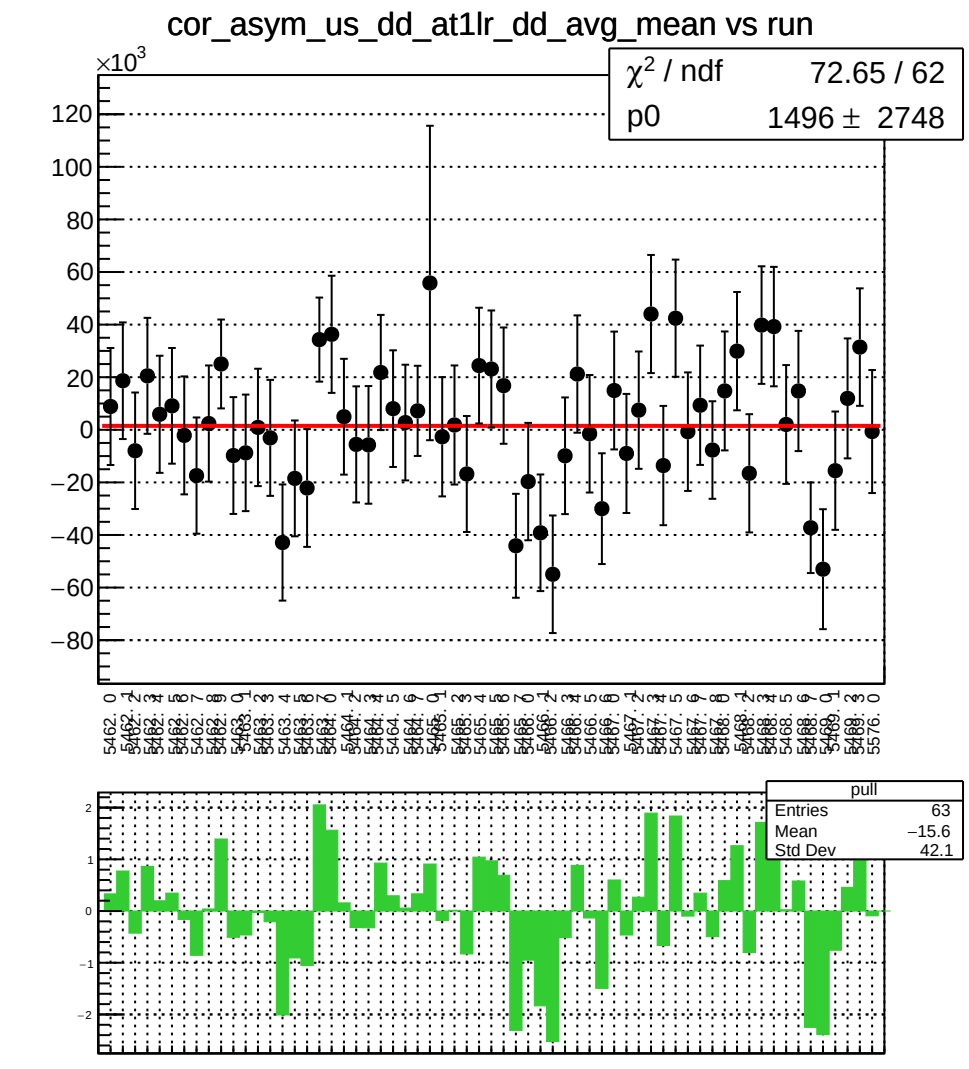

pull1D
Entries 63
Mean 0.005814
Std Dev 1.074

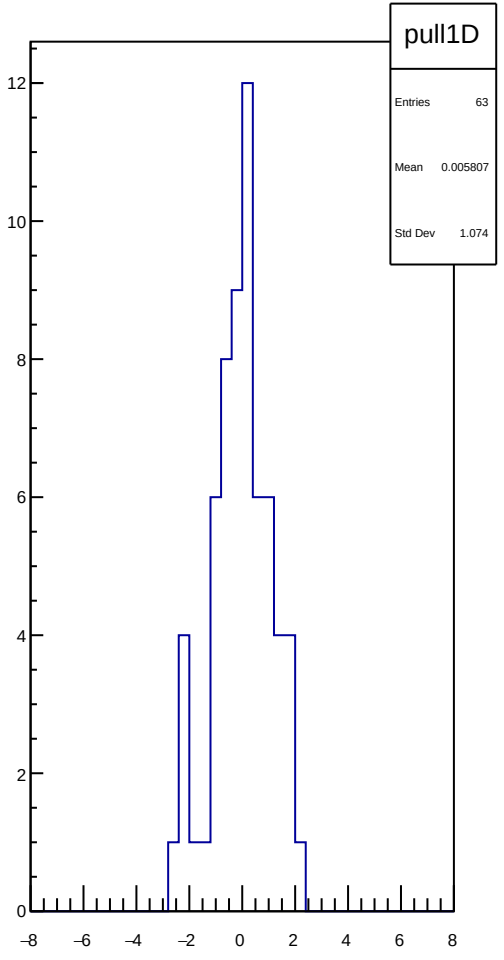

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 7904 / 62
p0 2131 ± 1.943
6000
5500
5000
4500
4000
3500
3000
2500
2000

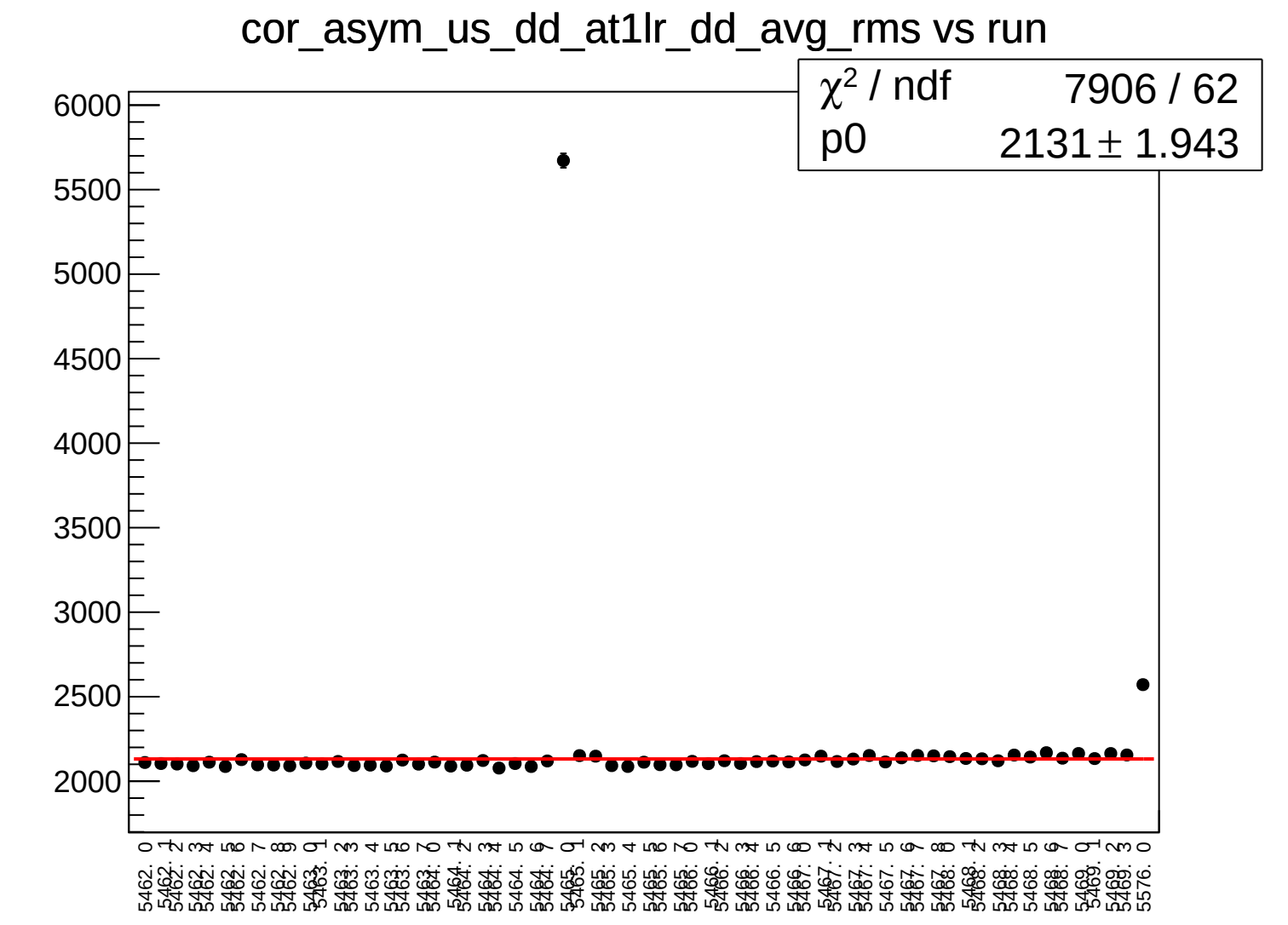

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.96 / 62
p0 −786.8 ± 2910
100
50
0
−50
−100
pull
Entries 63
Mean −0.4056
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

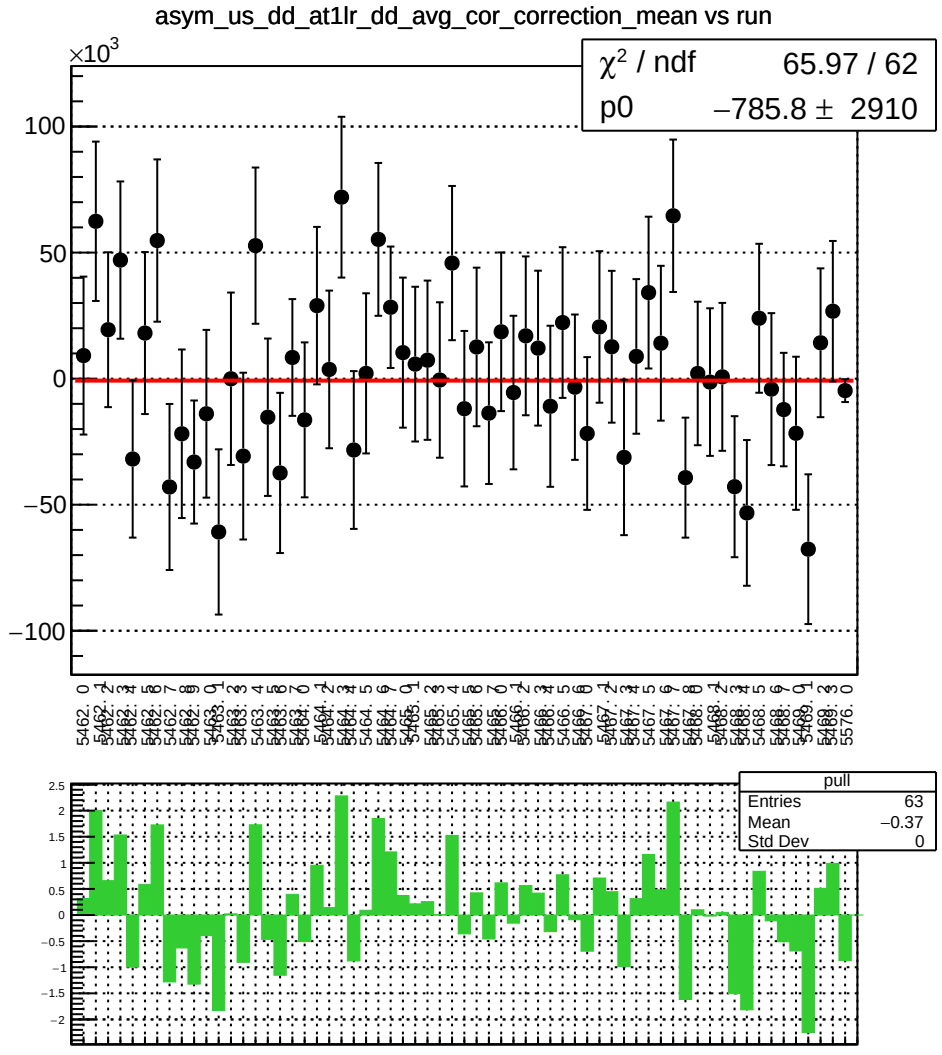

pull1D
Entries 63
Mean 0.0888
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

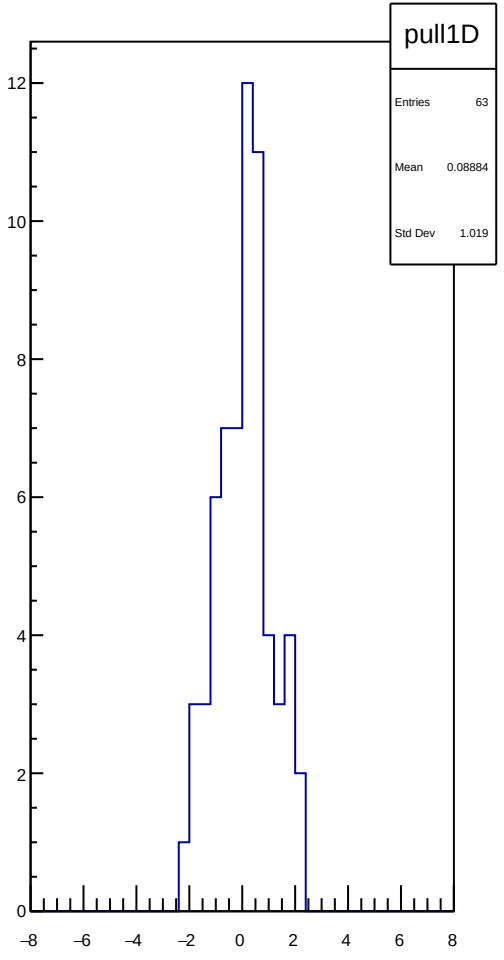

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.375e+05 / 62
p0 1923 ± 2.057
3500
3000
2500
2000
1500
1000
500

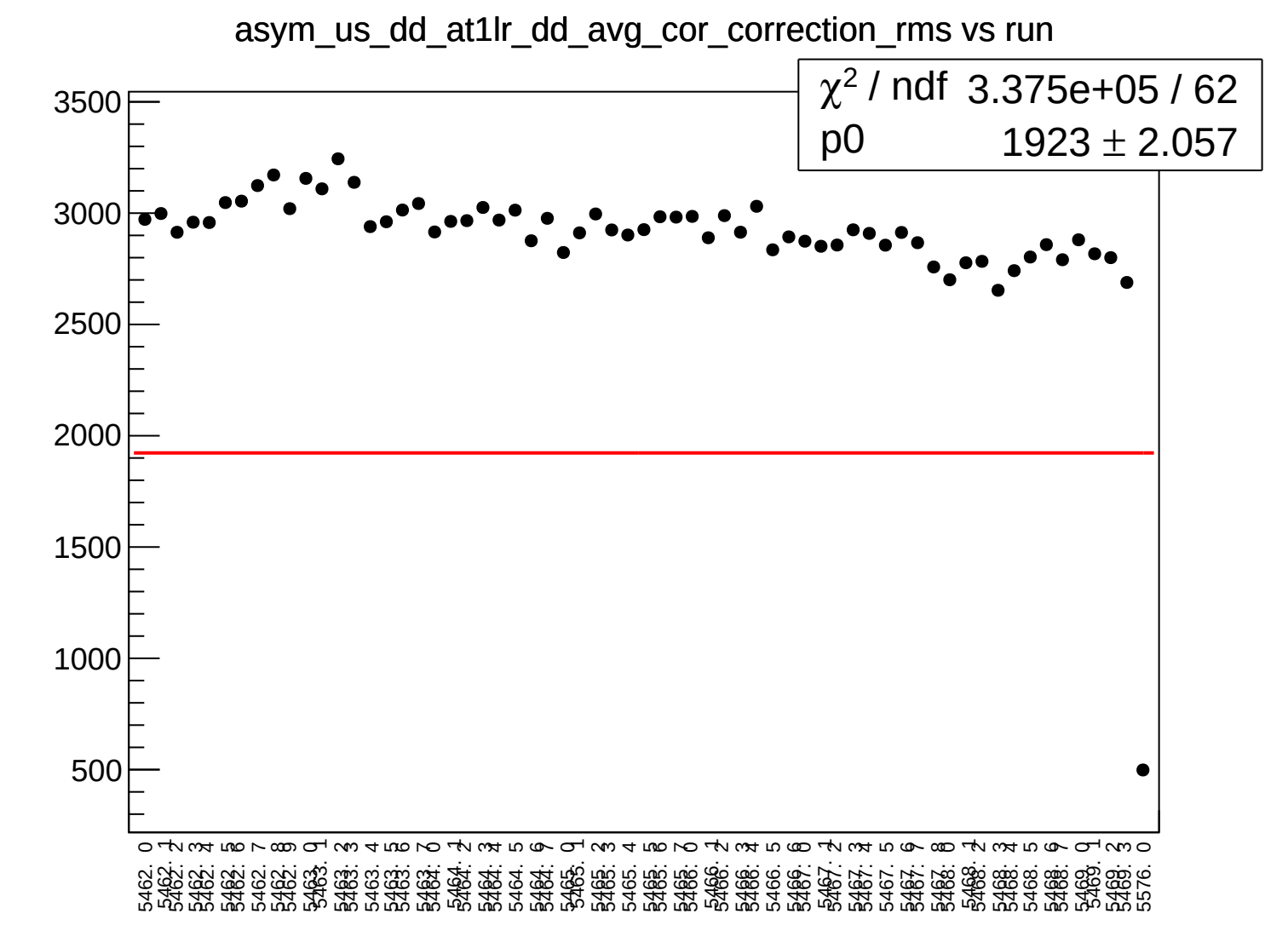

cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 72.65 / 62
p0 1496 ± 2748
pull
Entries 63
Mean −15.6
Std Dev 42.1

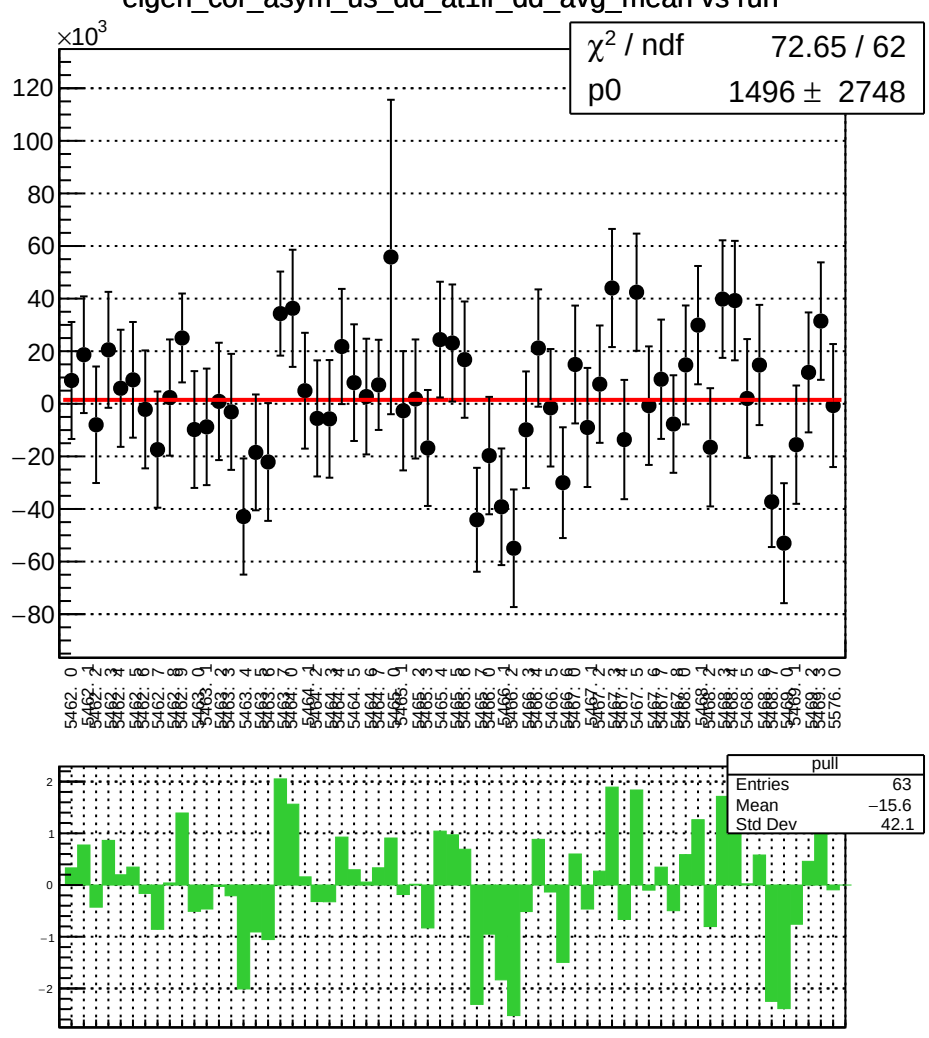

pull1D
Entries 63
Mean 0.005807
Std Dev 1.074

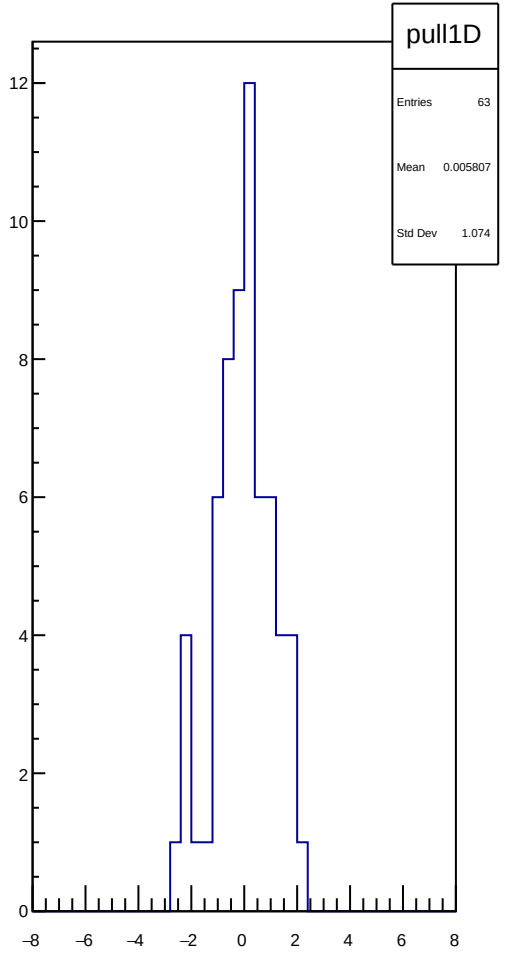

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 7906 / 62
p0 2131 ± 1.943
6000
5500
5000
4500
4000
3500
3000
2500
2000

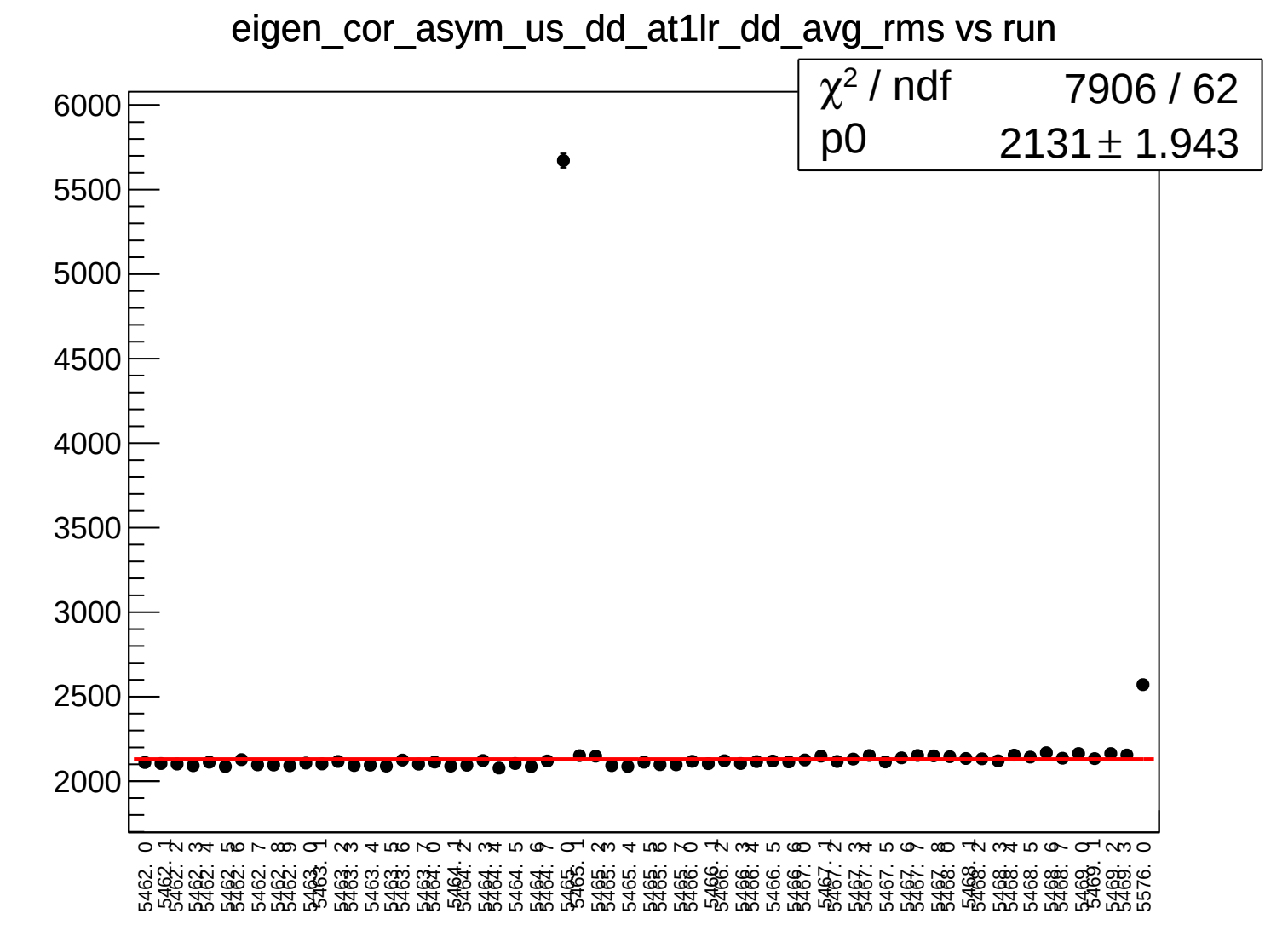

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.97 / 62
p0 −785.8 ± 2910
100
50
0
−50
−100
pull
Entries 63
Mean −0.37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

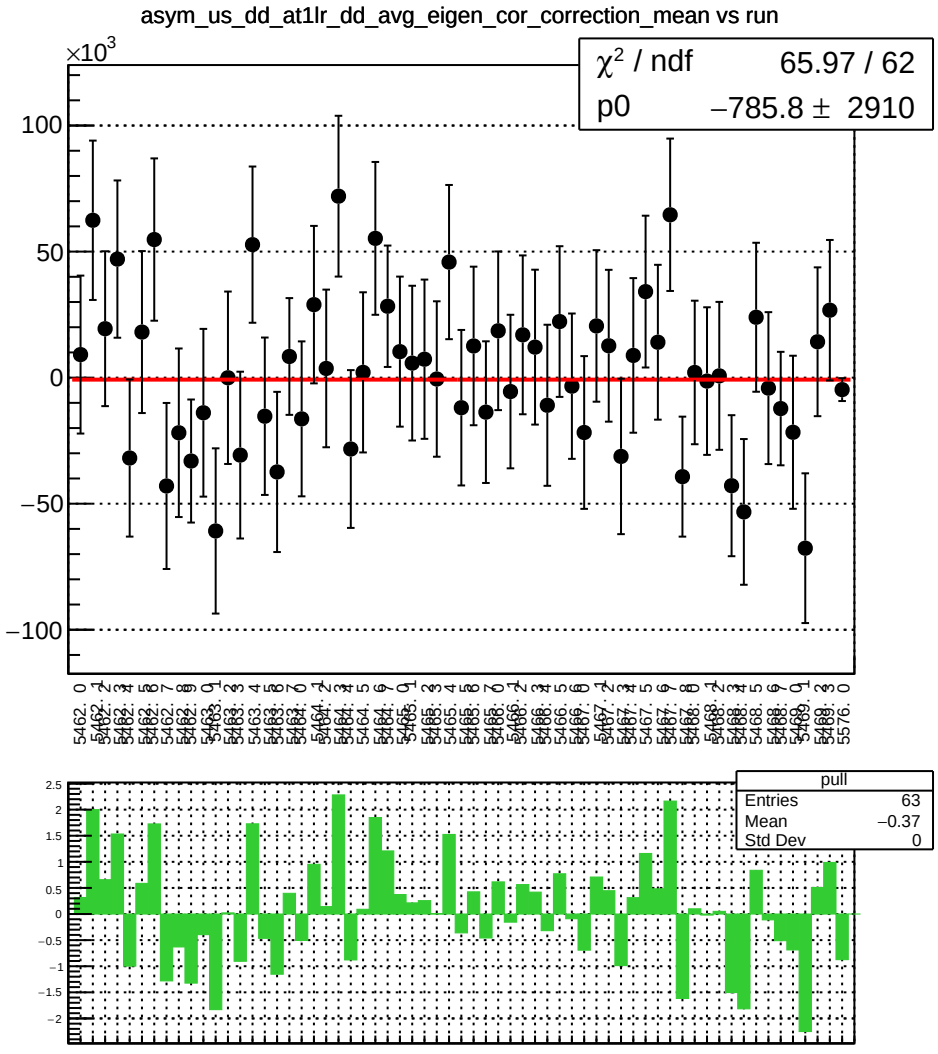

pull1D
Entries 63
Mean 0.08884
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

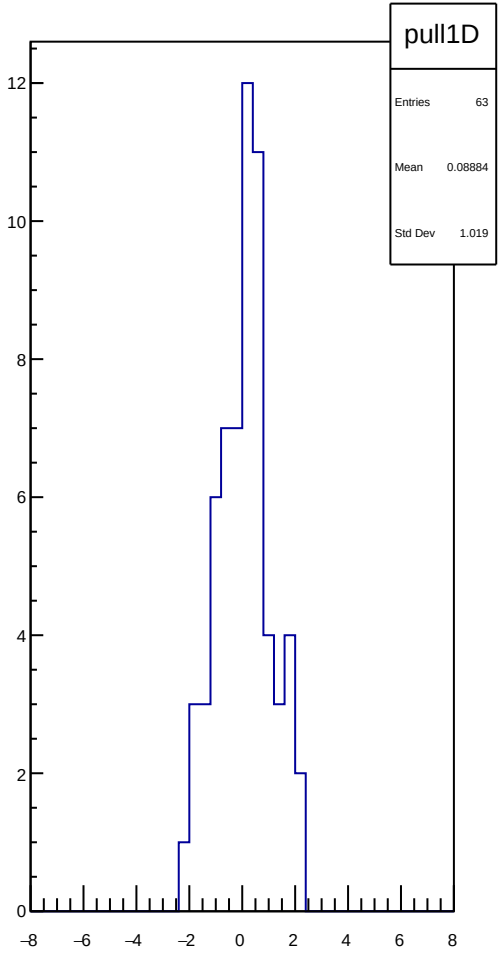

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.375e+05 / 62
p0 1923 ± 2.057
3500
3000
2500
2000
1500
1000
500

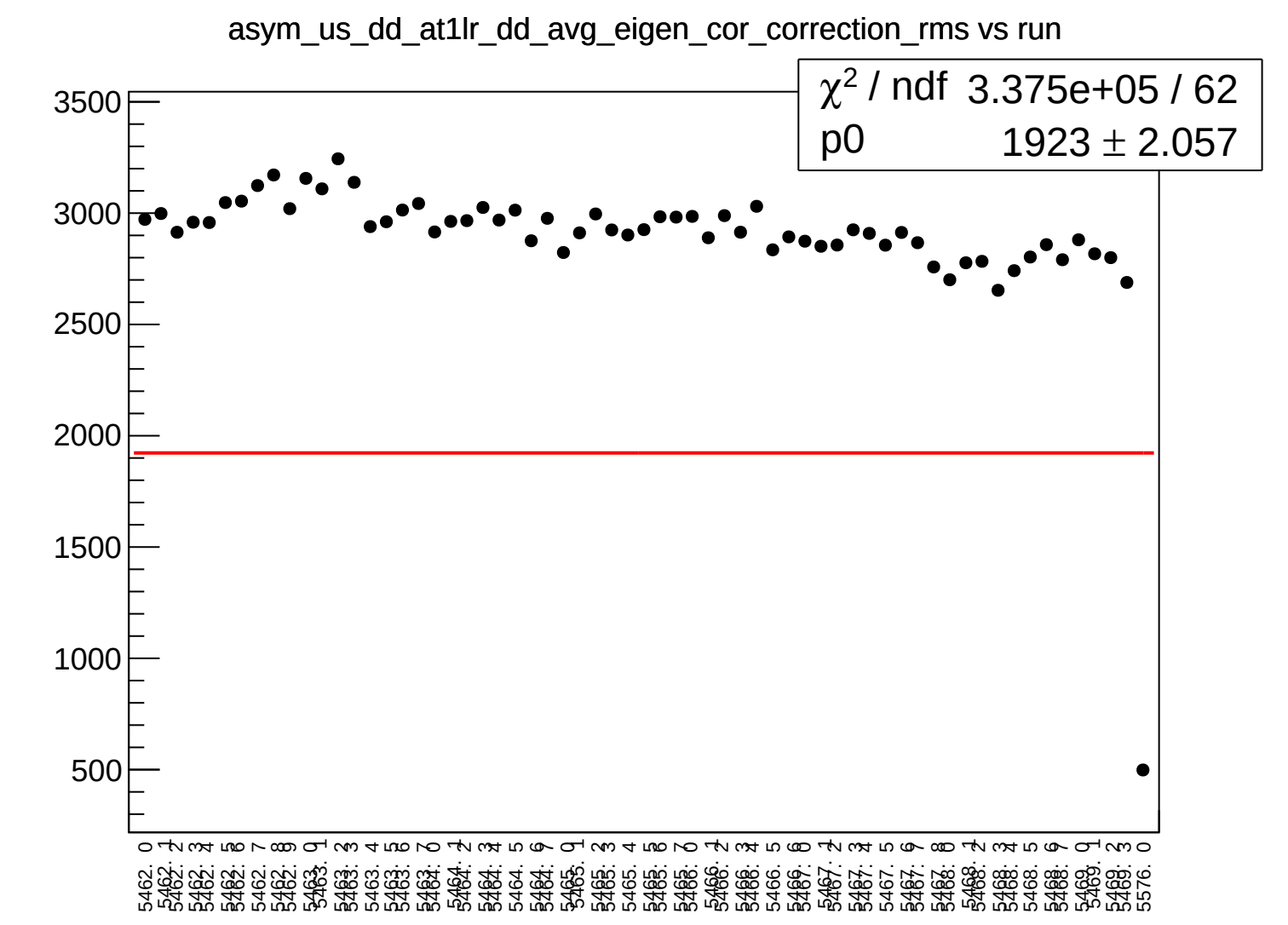

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 72.65 / 62
p0 1496 ± 2748
pull
Entries 63
Mean −15.6
Std Dev 42.1

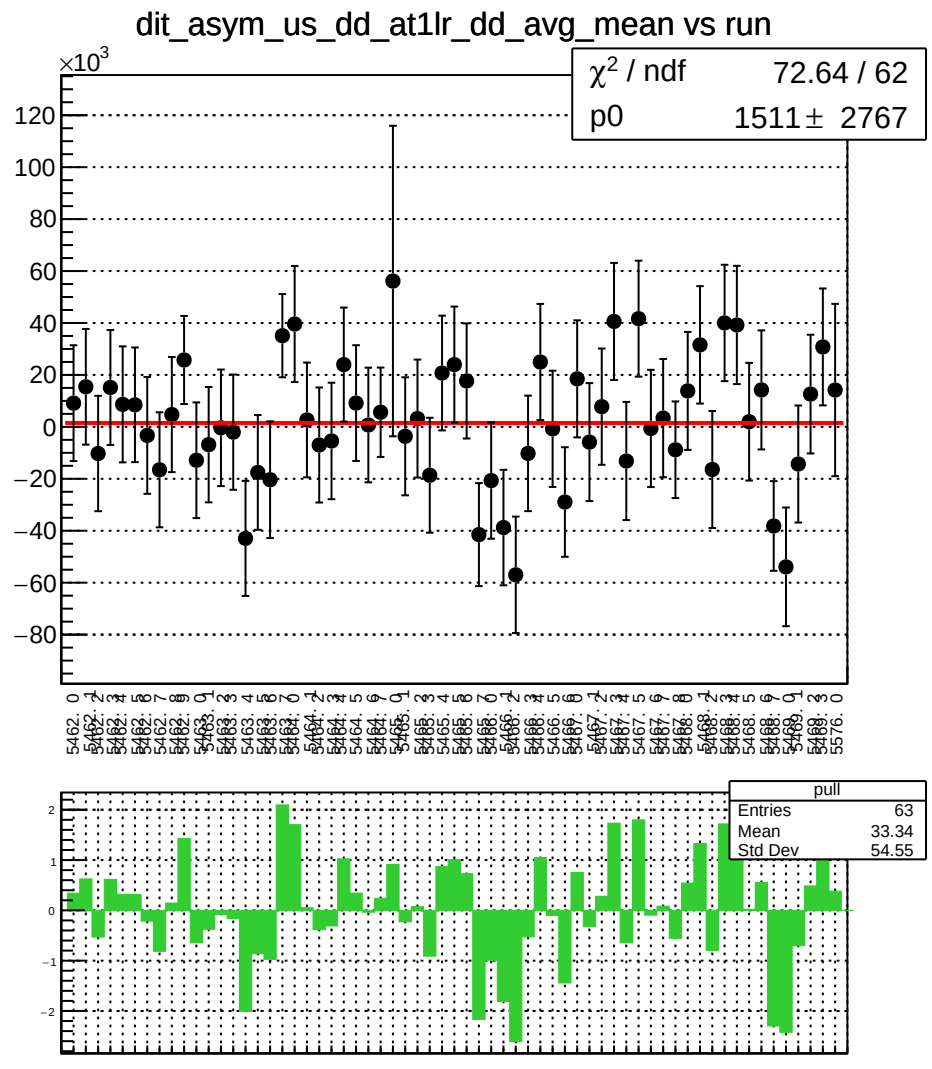

pull1D
Entries 63
Mean 0.005807
Std Dev 1.074

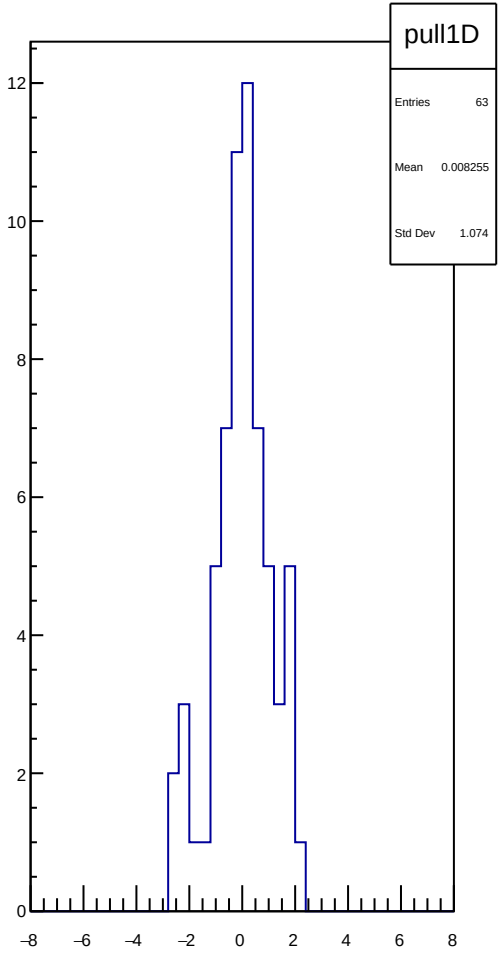

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 7906 / 62
p0 2131 ± 1.943
6000
5500
5000
4500
4000
3500
3000
2500
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

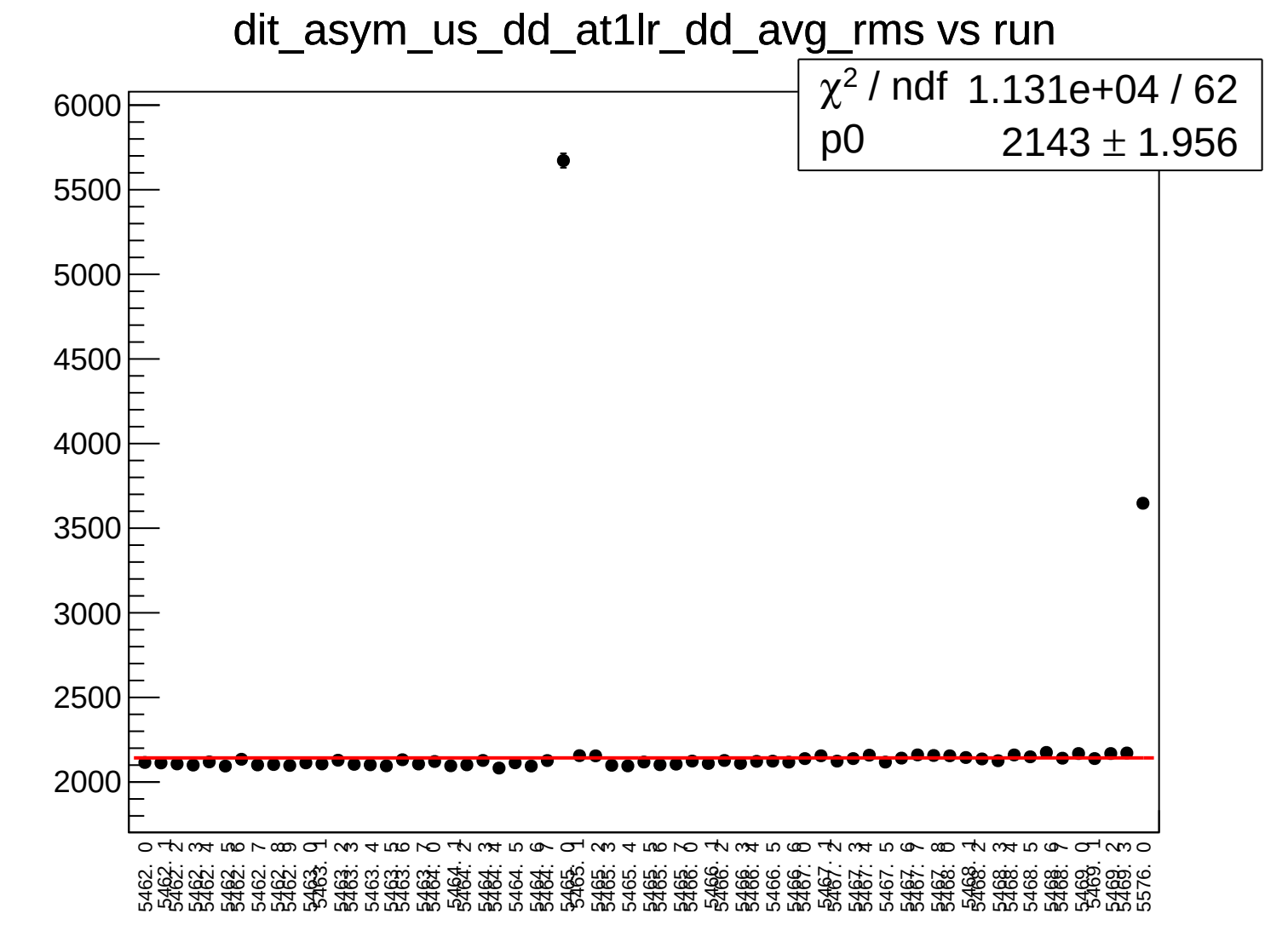

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.97 / 62
p0 −785.8 ± 2910
100
50
0
−50
−100
pull
Entries 63
Mean −0.37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 63
Mean 0.08884
Std Dev 1.019
12
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 3.375e+05 / 62
p0 1923 ± 2.057
3500
3000
2500
2000
1500
1000
500


dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 72.64 / 62
p0 1511 ± 2767
pull
Entries 63
Mean 33.34
Std Dev 54.55


pull1D
Entries 63
Mean 0.008255
Std Dev 1.074


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1.131e+04 / 62
p0 2143 ± 1.956
6000
5500
5000
4500
4000
3500
3000
2500
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
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5466. 4
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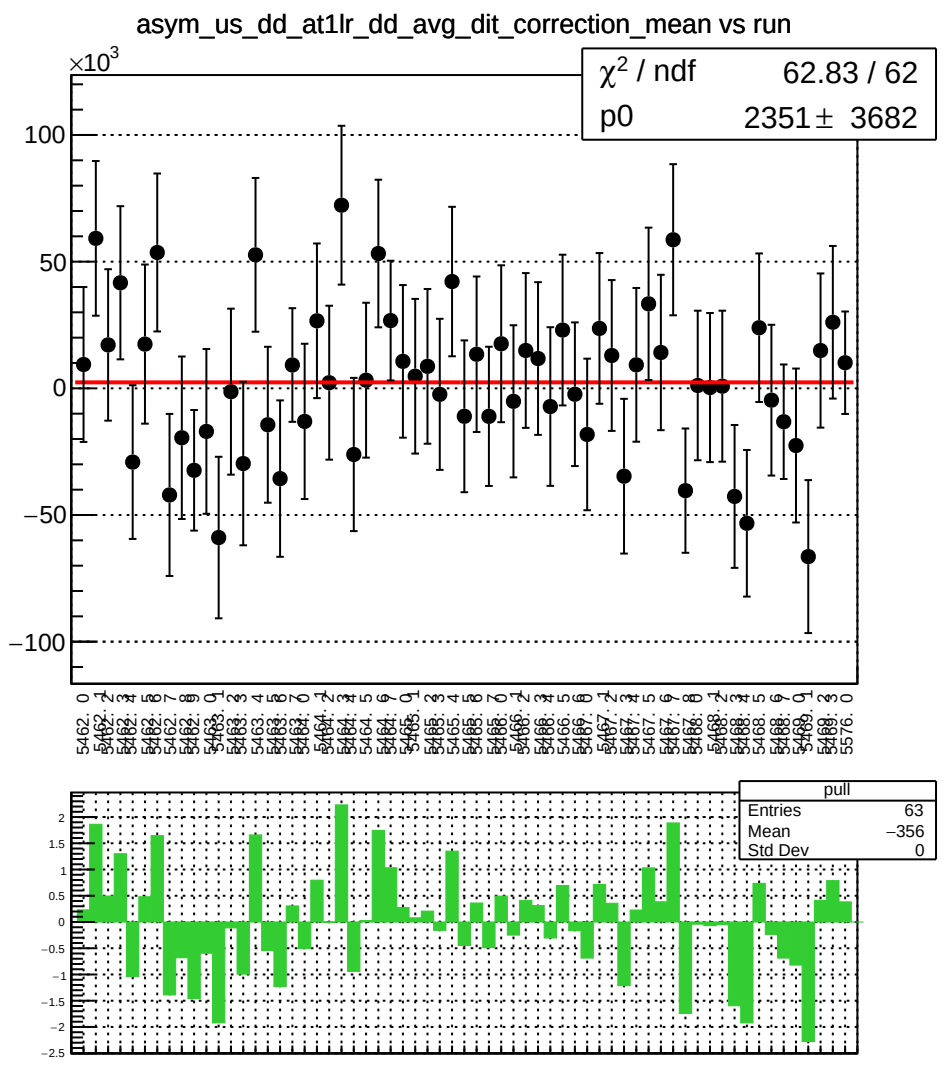
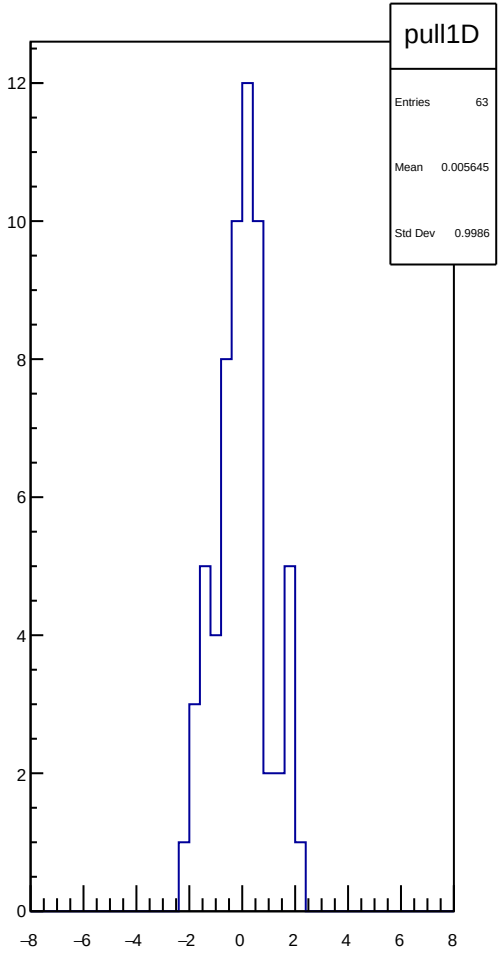
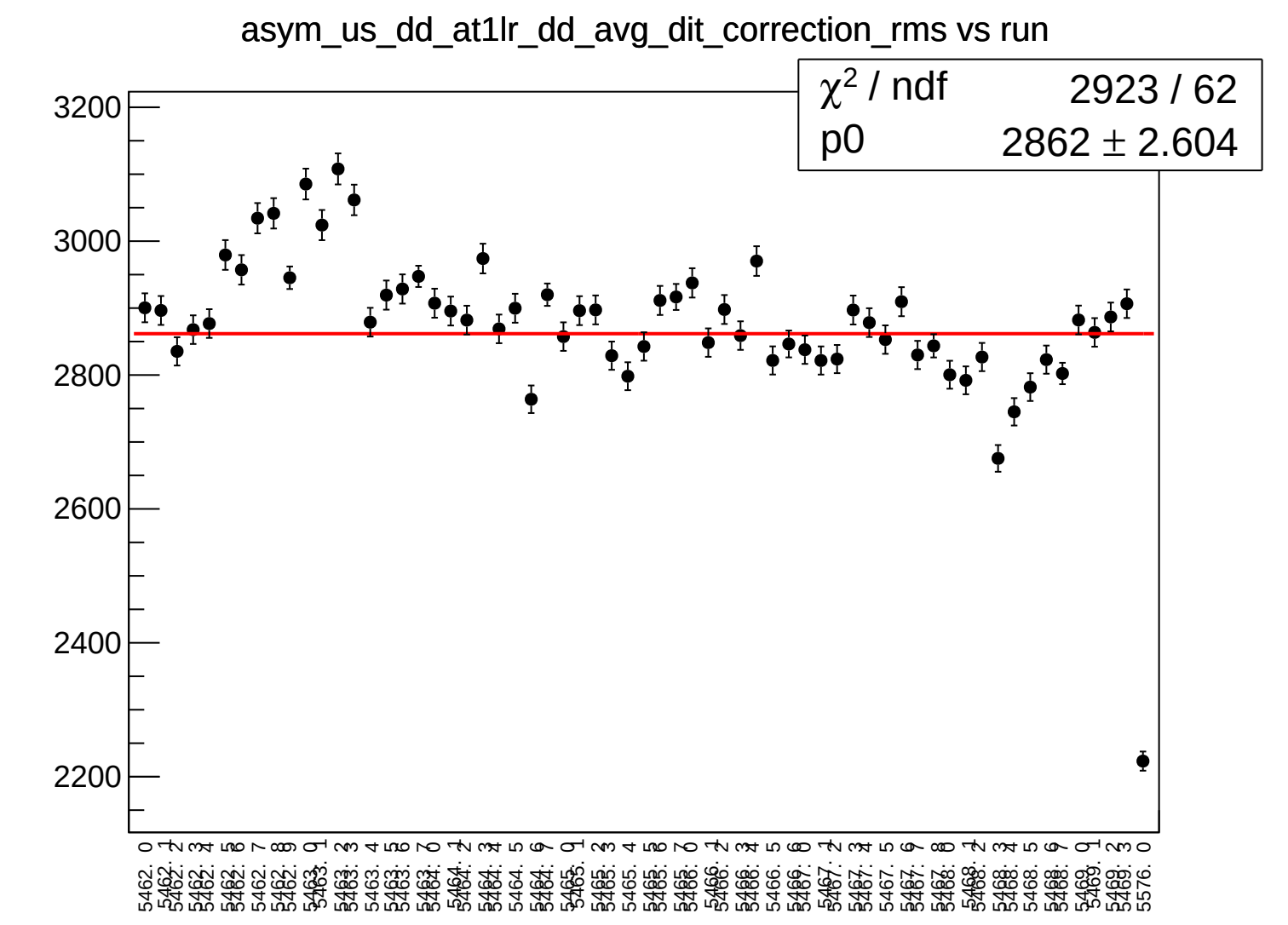
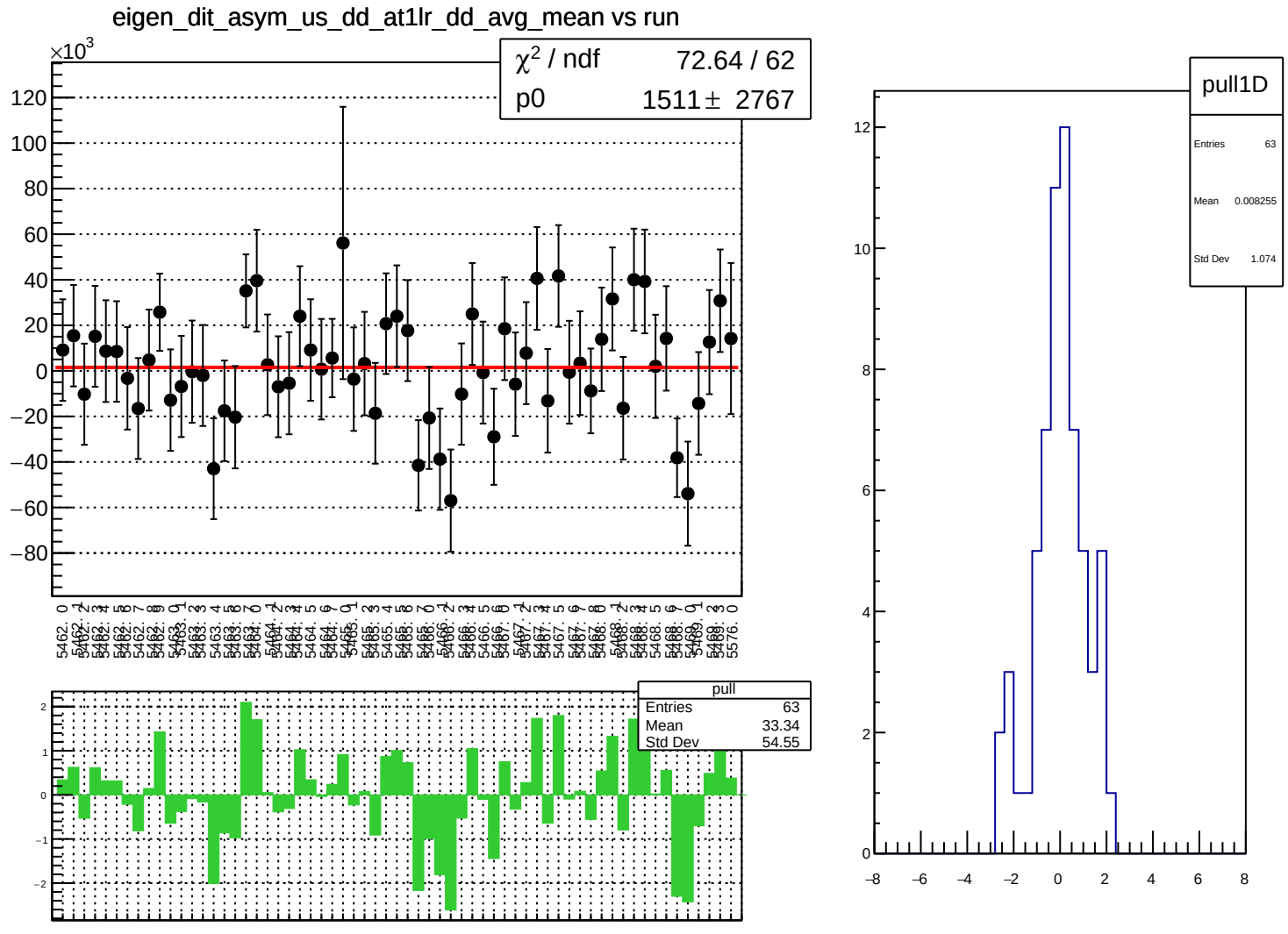
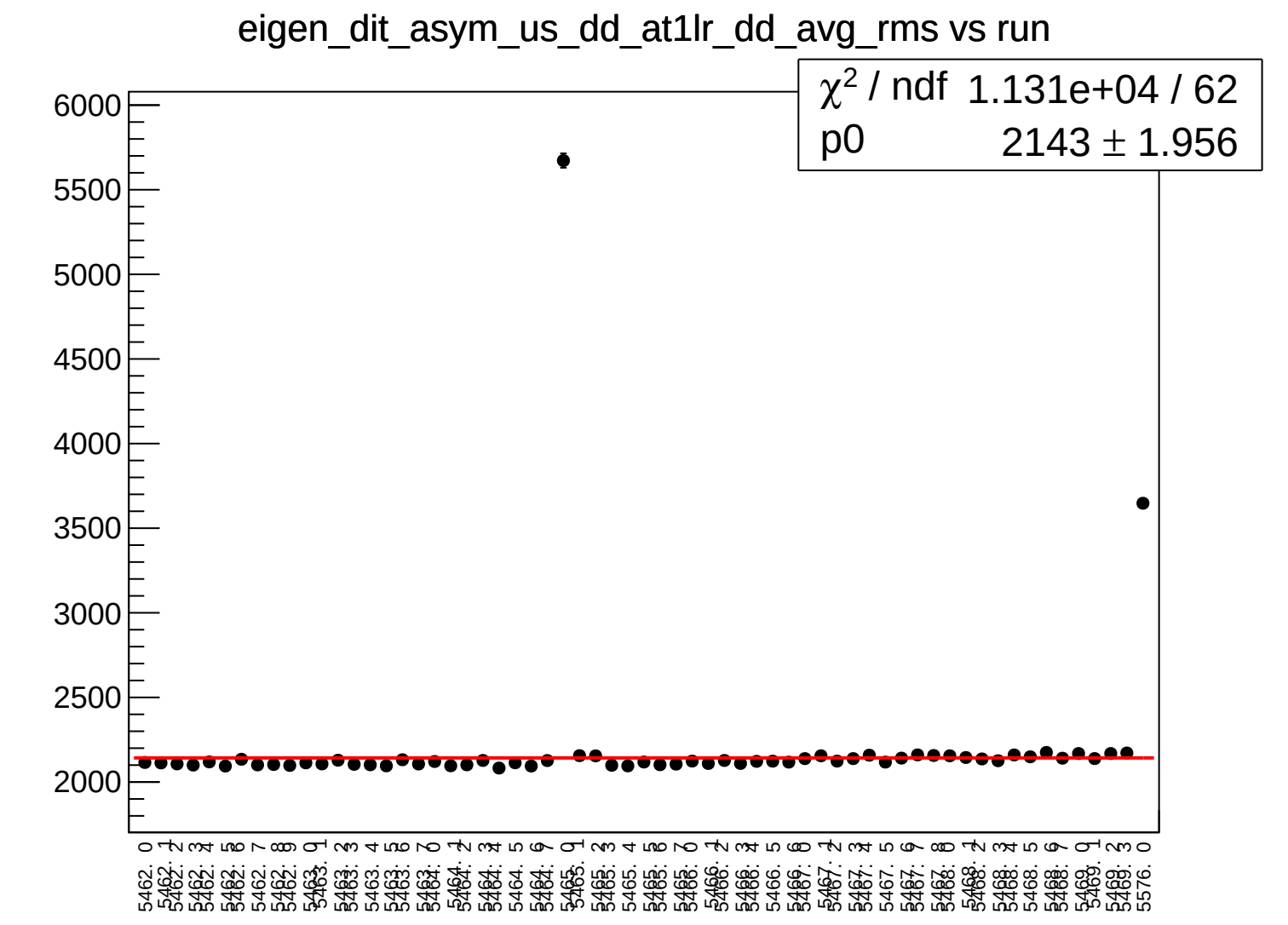
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 62.83 / 62
p0 2351 ± 3682
100
50
0
−50
−100
pull
Entries 63
Mean −356
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 63
Mean 0.005645
Std Dev 0.9986
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2923 / 62
p0 2862 ± 2.604
3200
3000
2800
2600
2400
2200


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 72.64 / 62
p0 1511 ± 2767
pull
Entries 63
Mean 33.34
Std Dev 54.55
pull1D
Entries 63
Mean 0.008255
Std Dev 1.074


eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1.131e+04 / 62
p0 2143 ± 1.956
6000
5500
5000
4500
4000
3500
3000
2500
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
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5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
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5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
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5468. 6
5468. 7
5469. 0
5469. 1
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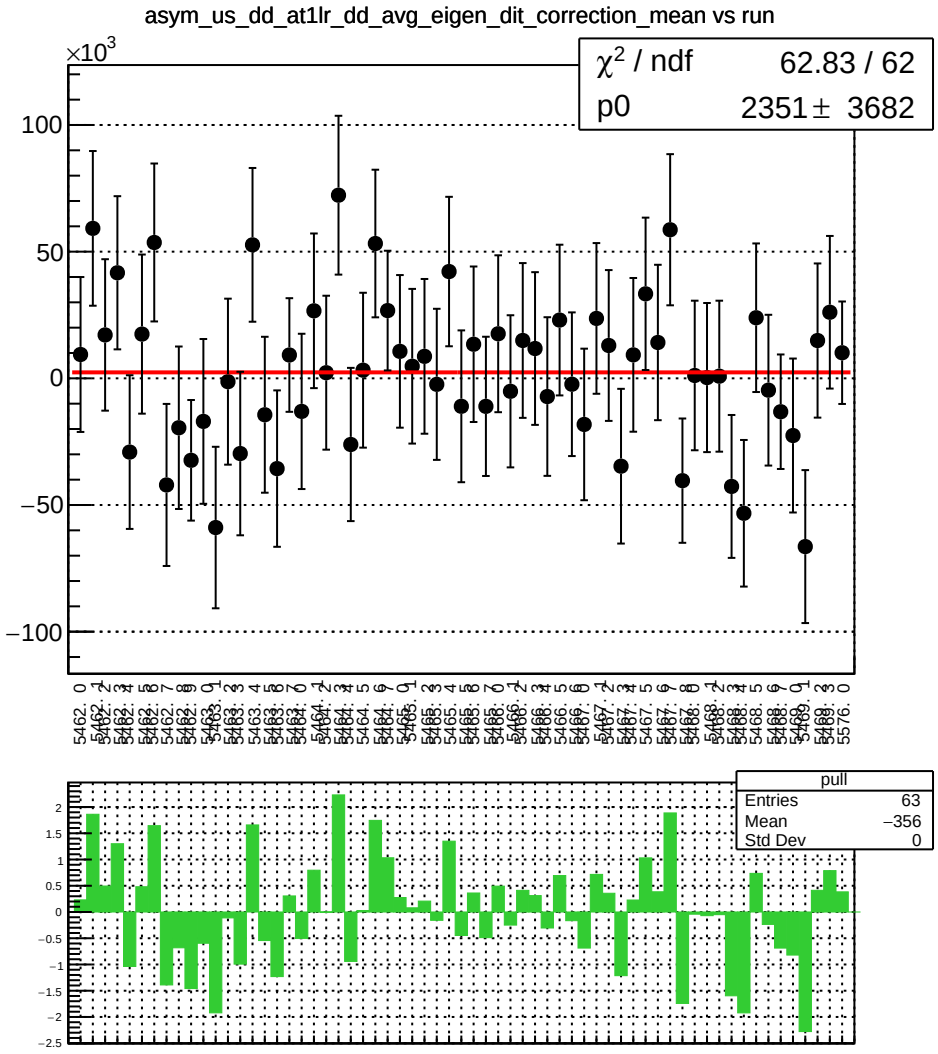
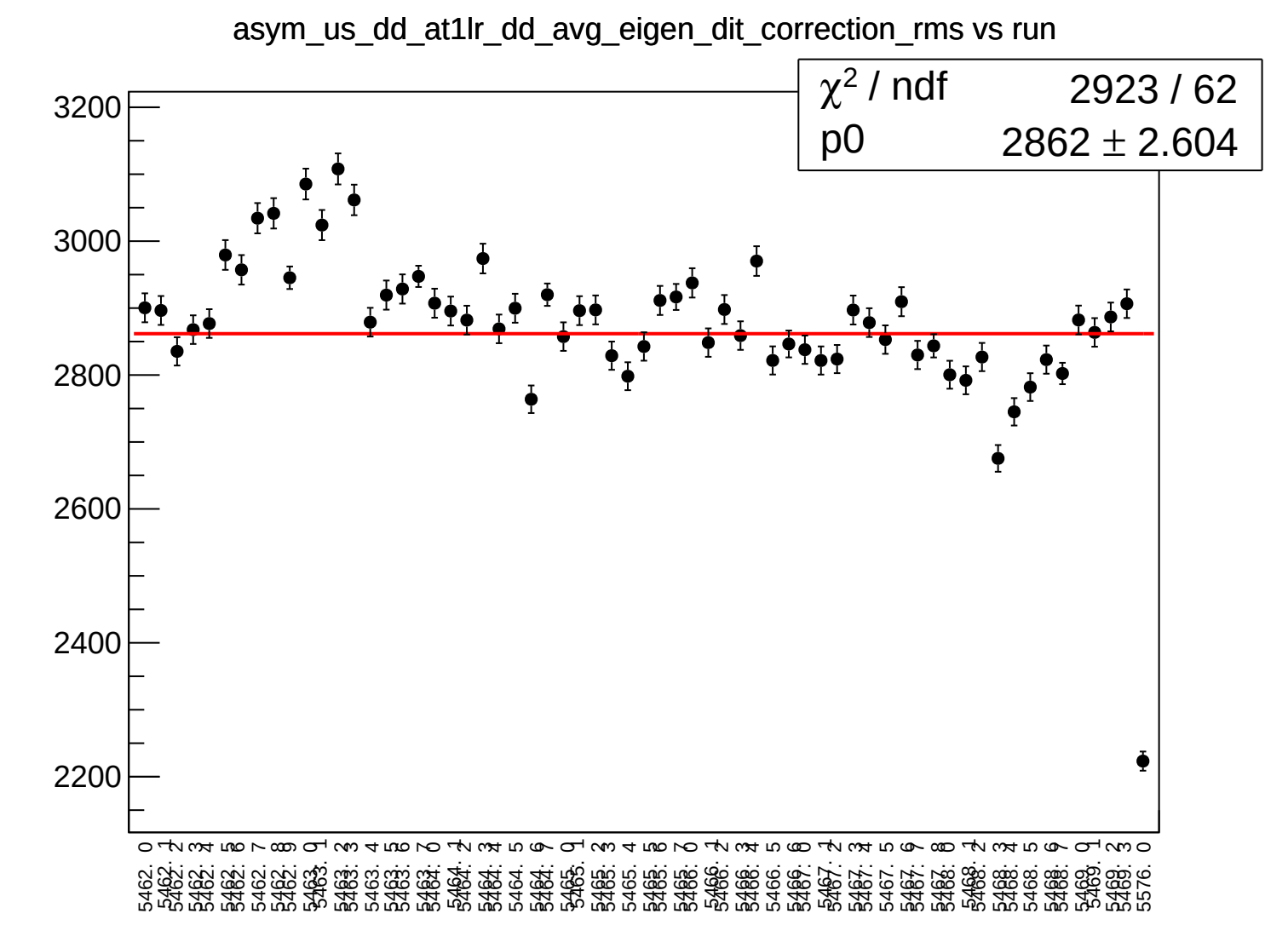
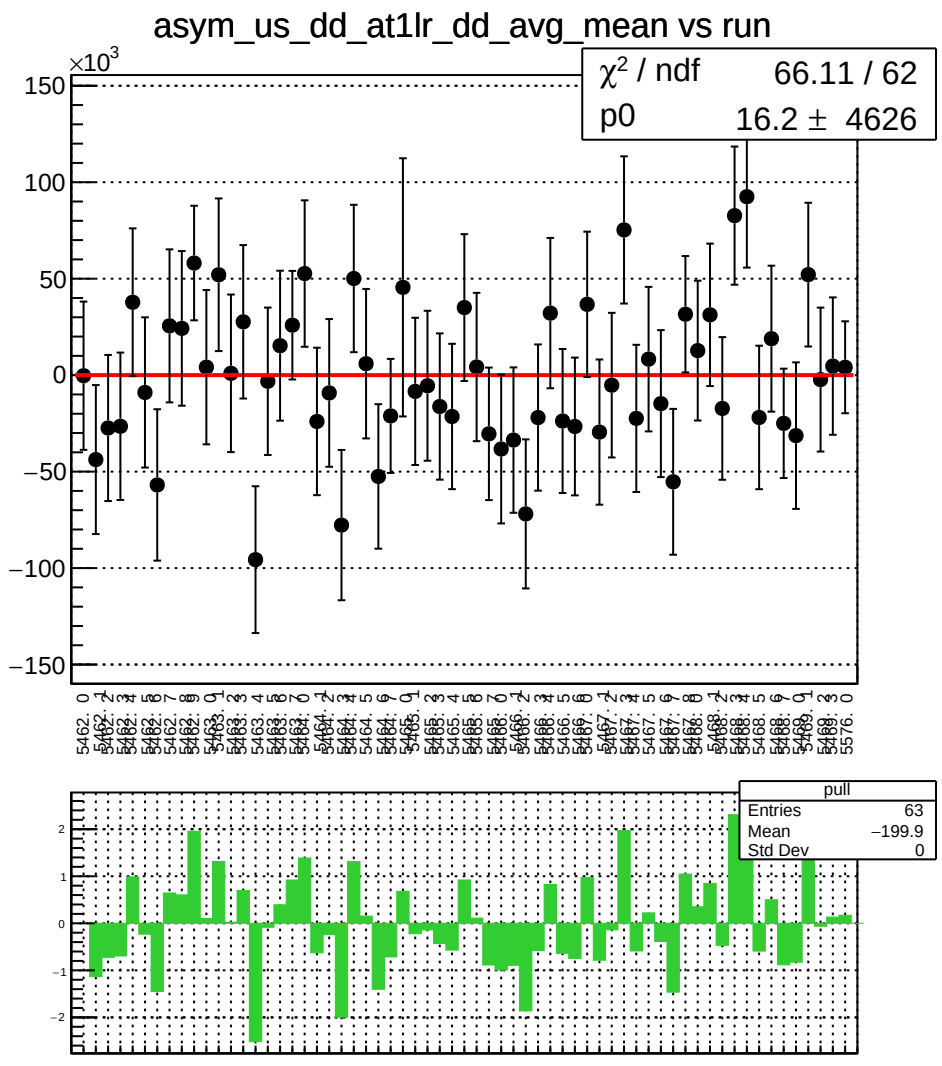
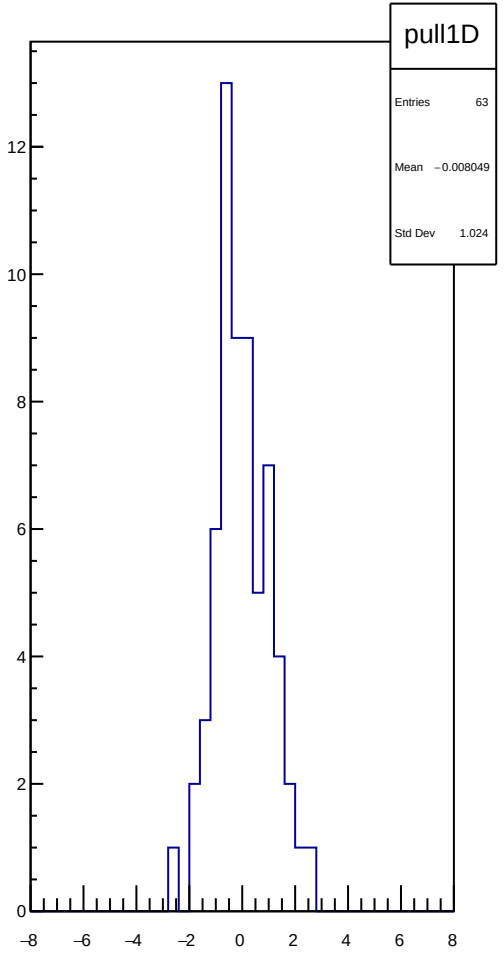
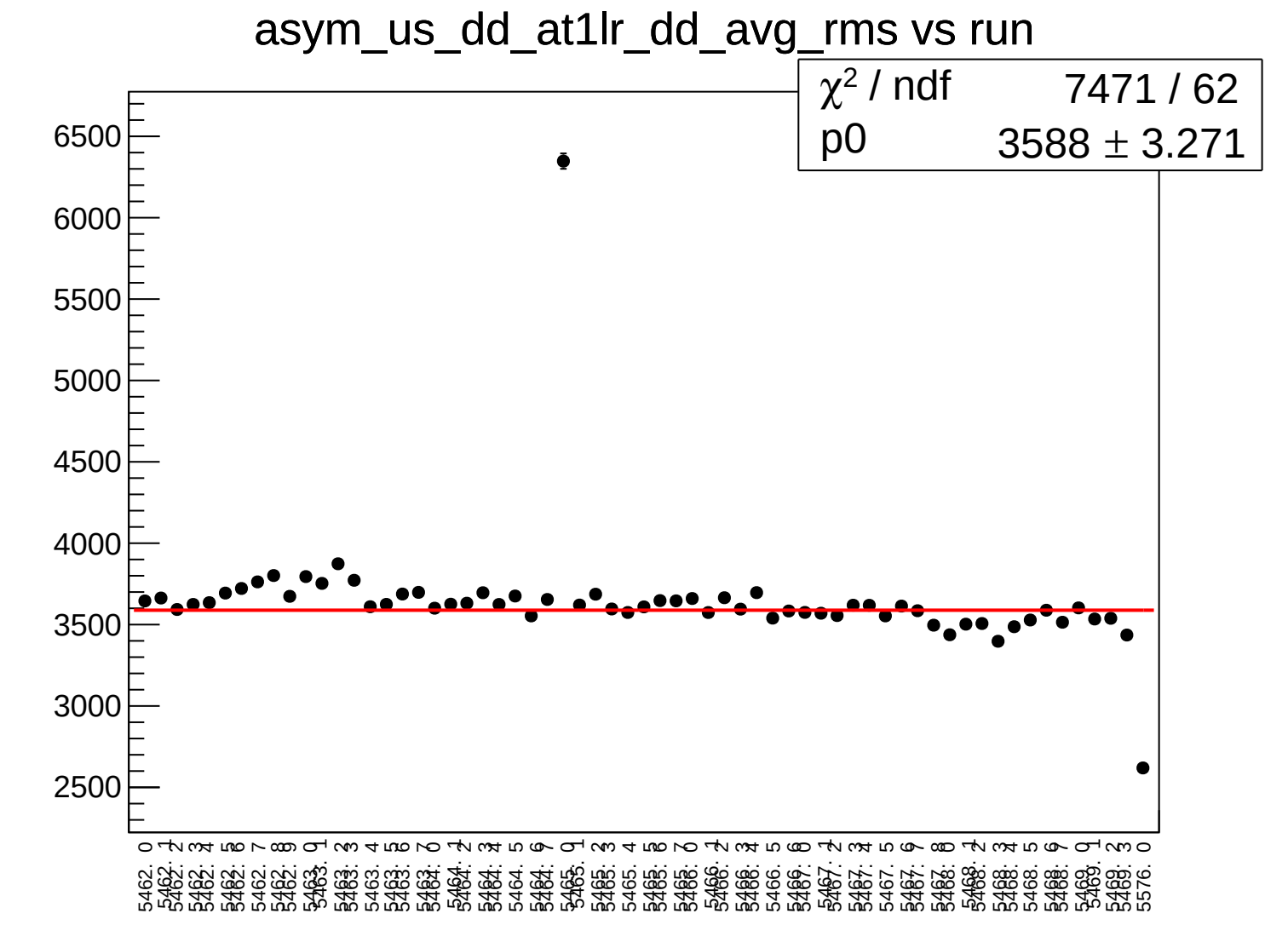
5469. 3
5576. 0

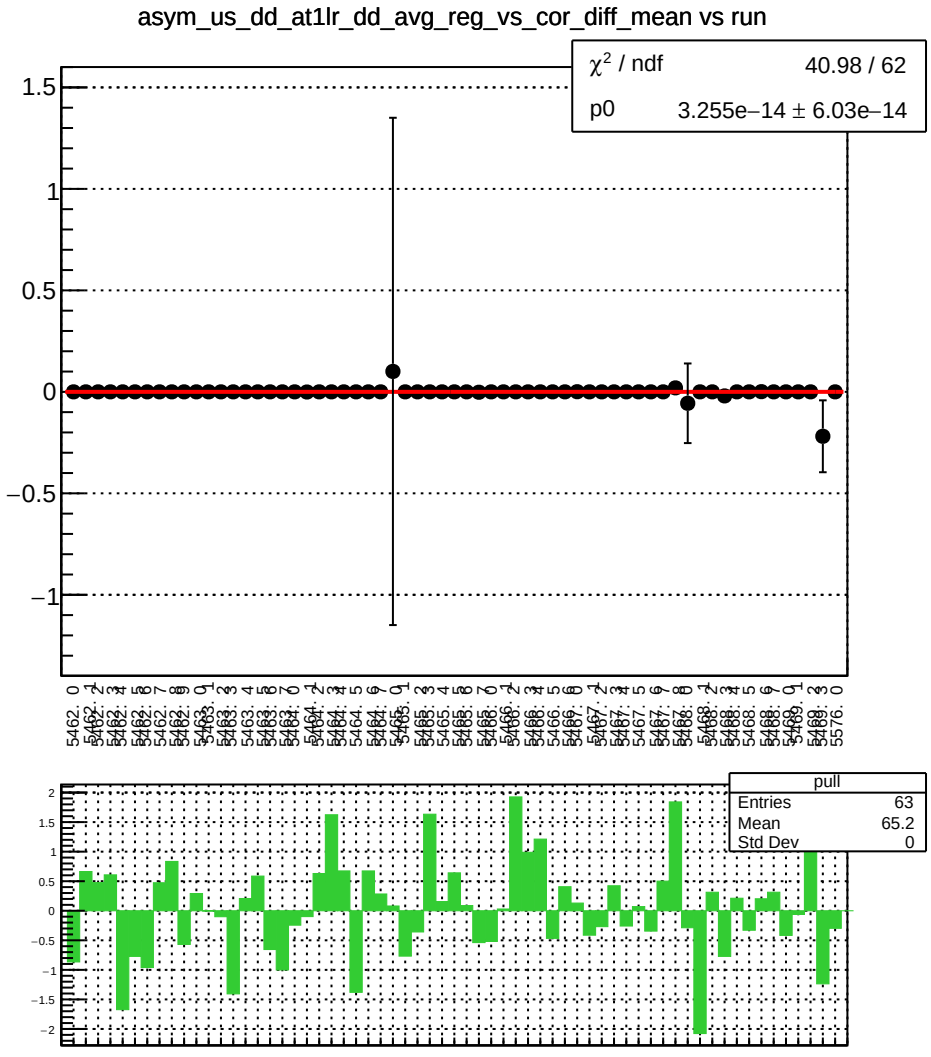

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 62.83 / 62
p0 2351 ± 3682
100
50
0
−50
−100
pull
Entries 63
Mean −356
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 63
Mean 0.005645
Std Dev 0.9986
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

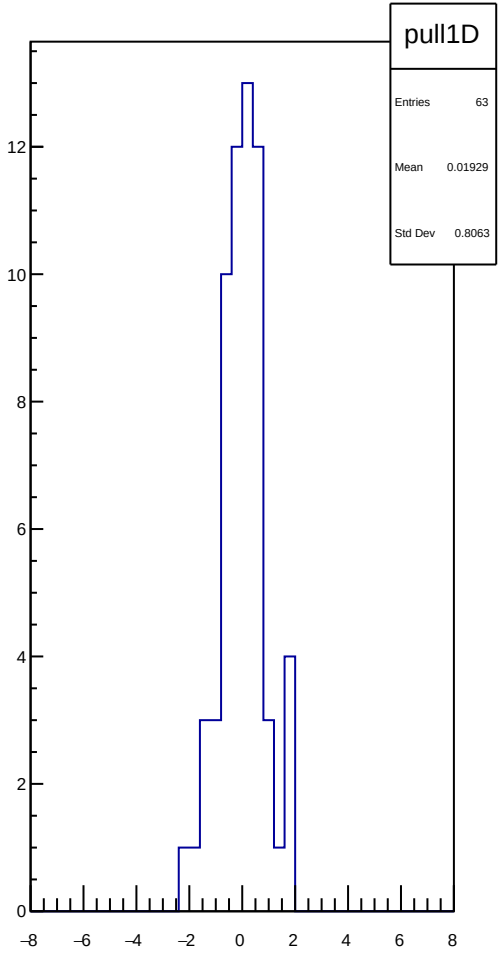

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2923 / 62
p0 2862 ± 2.604
3200
3000
2800
2600
2400
2200

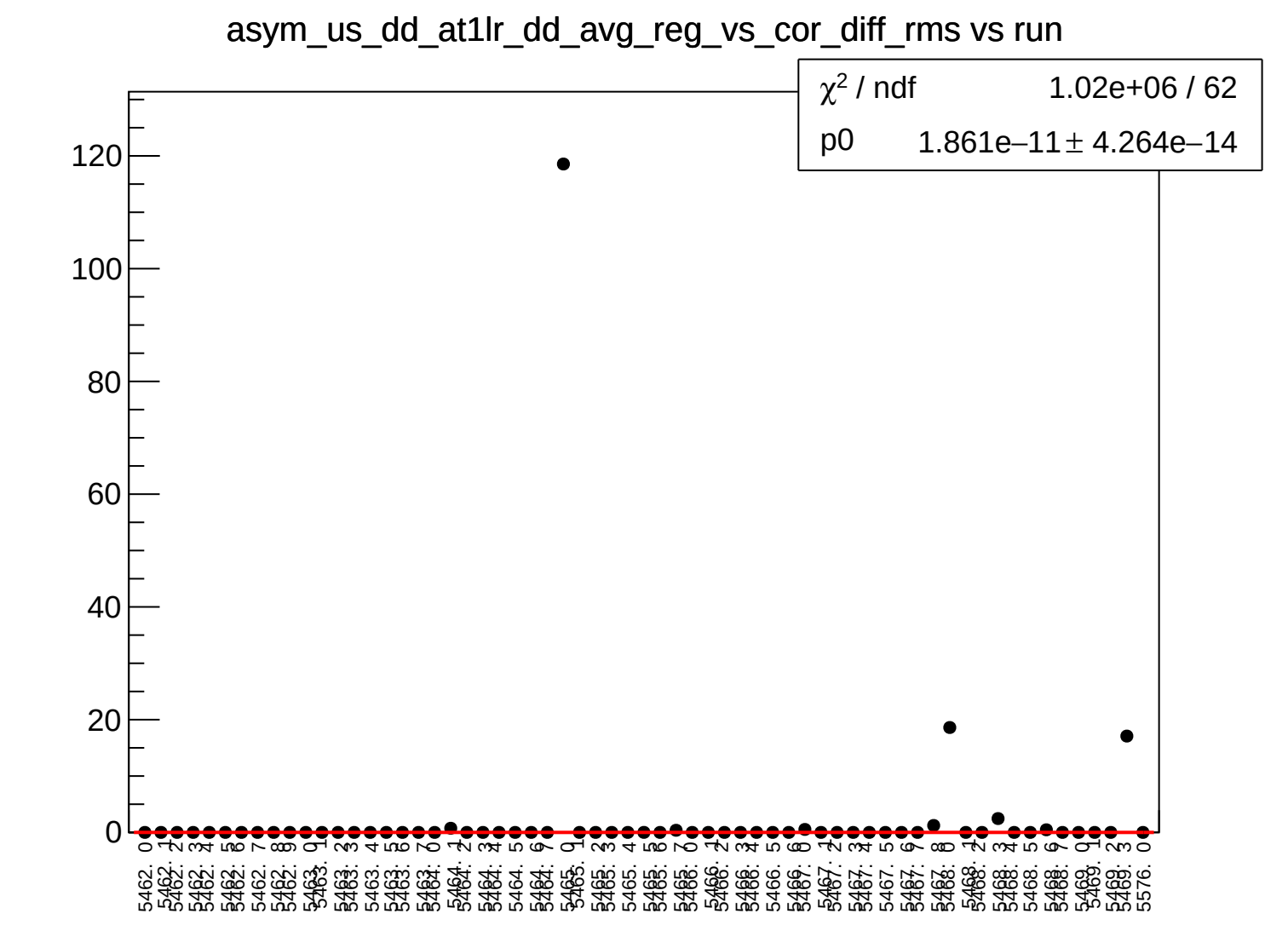

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 66.11 / 62
p0 16.2 ± 4626
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −199.9
Std Dev 0
2
1
0
−1
−2

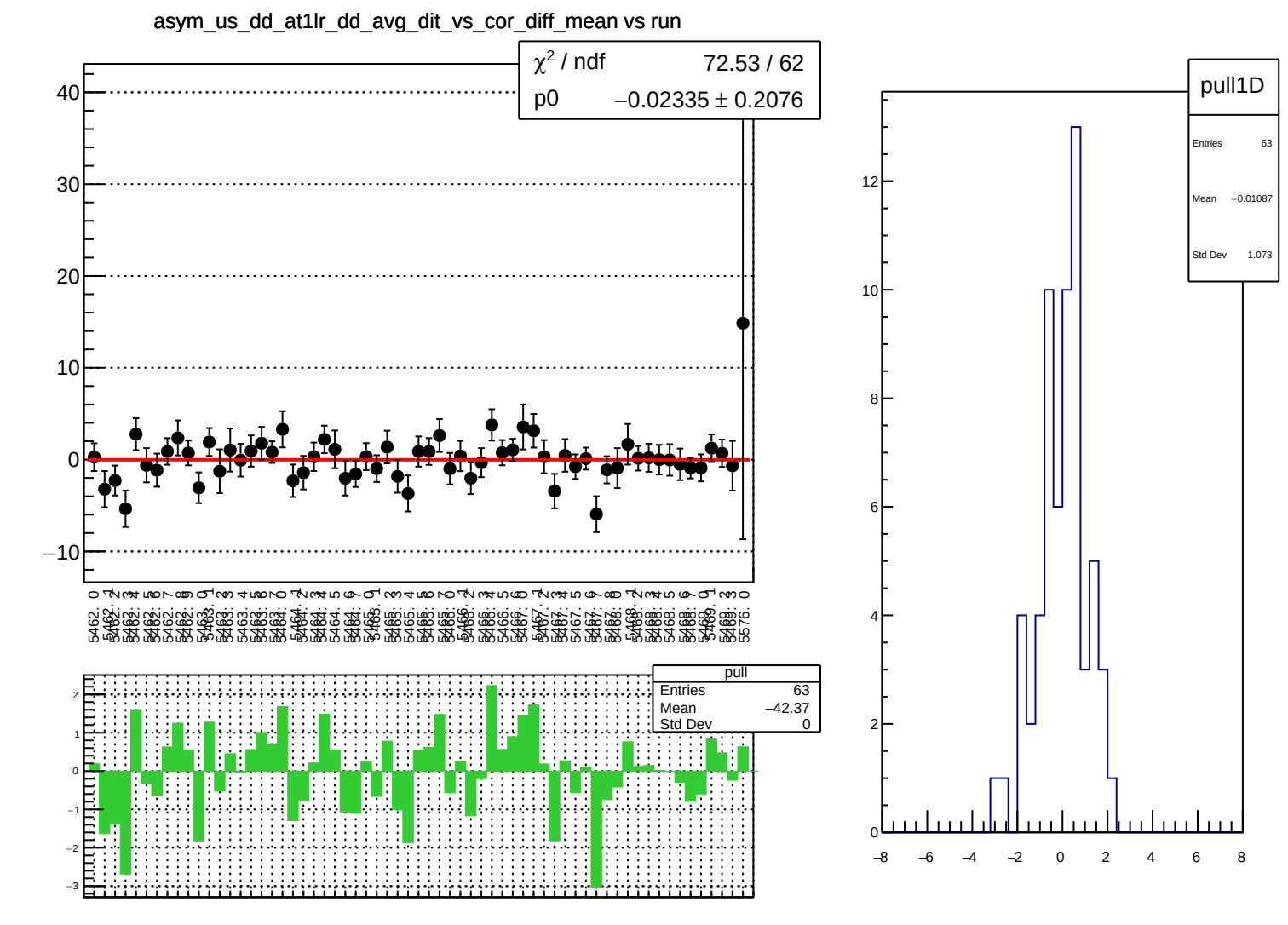

pull1D
Entries 63
Mean −0.008049
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

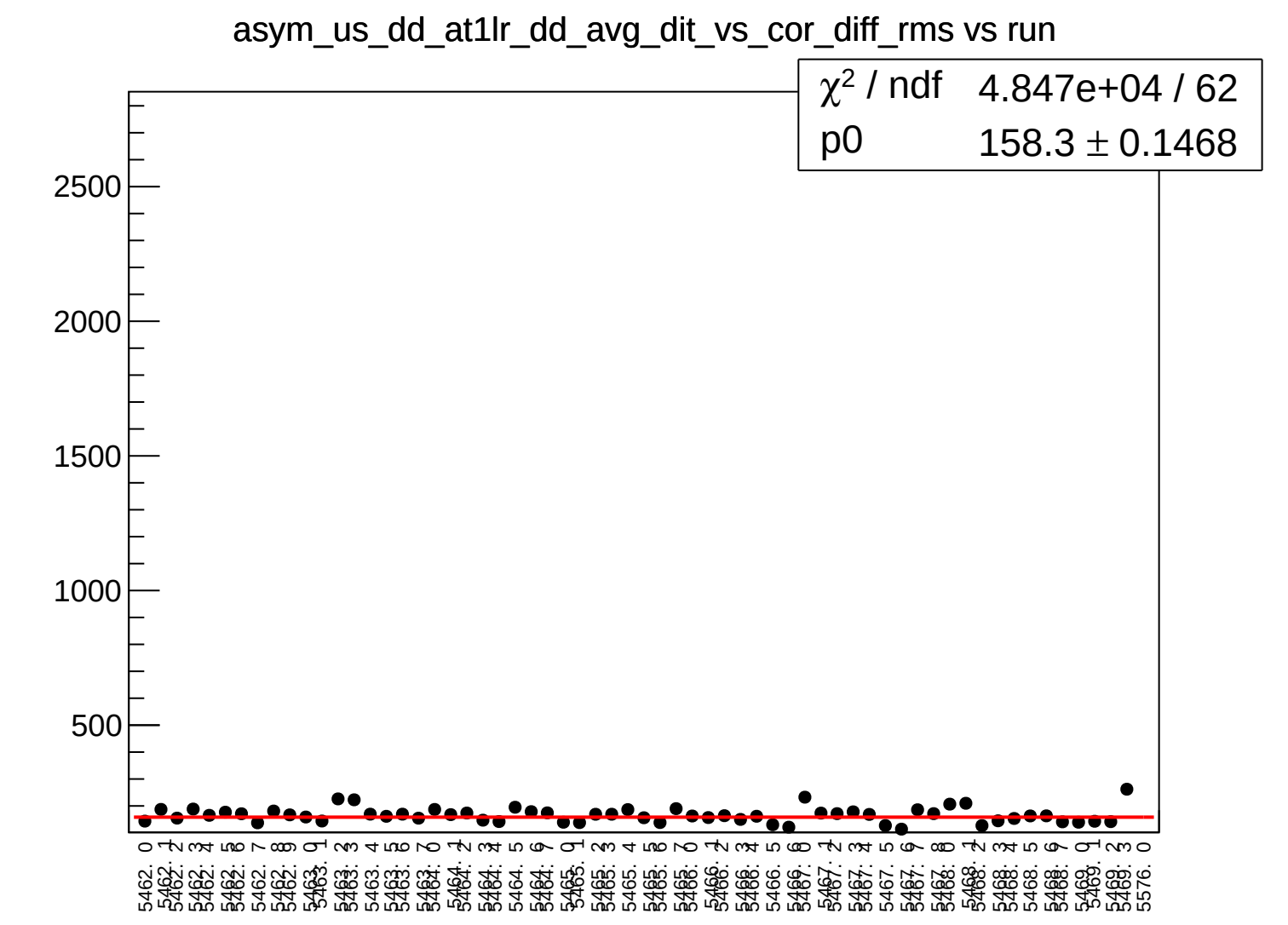

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 7471 / 62
p0 3588 ± 3.271
6500
6000
5500
5000
4500
4000
3500
3000
2500

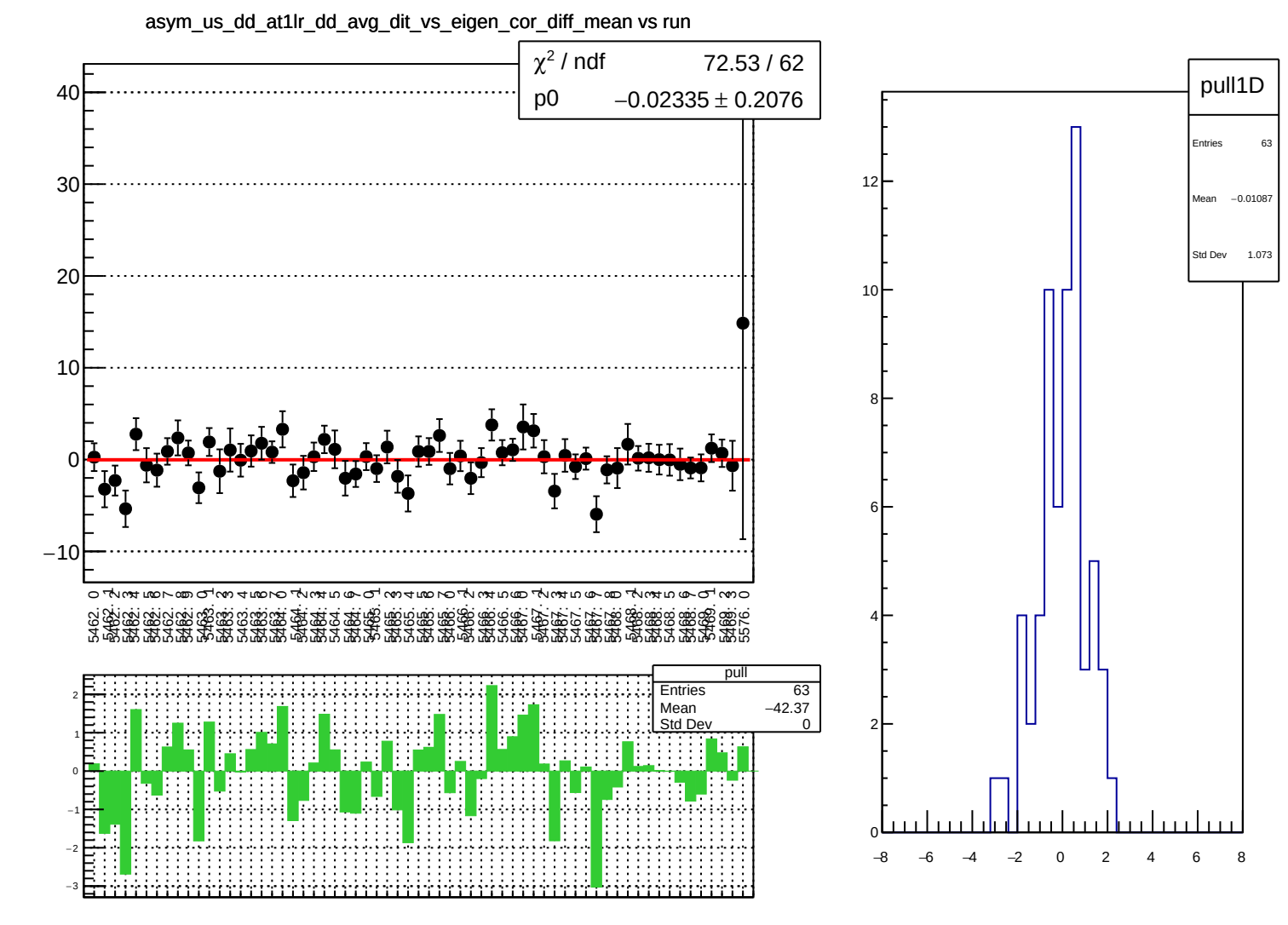

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.98 / 62
p0 3.255e−14 ± 6.03e−14
pull
Entries 63
Mean 65.2
Std Dev 0

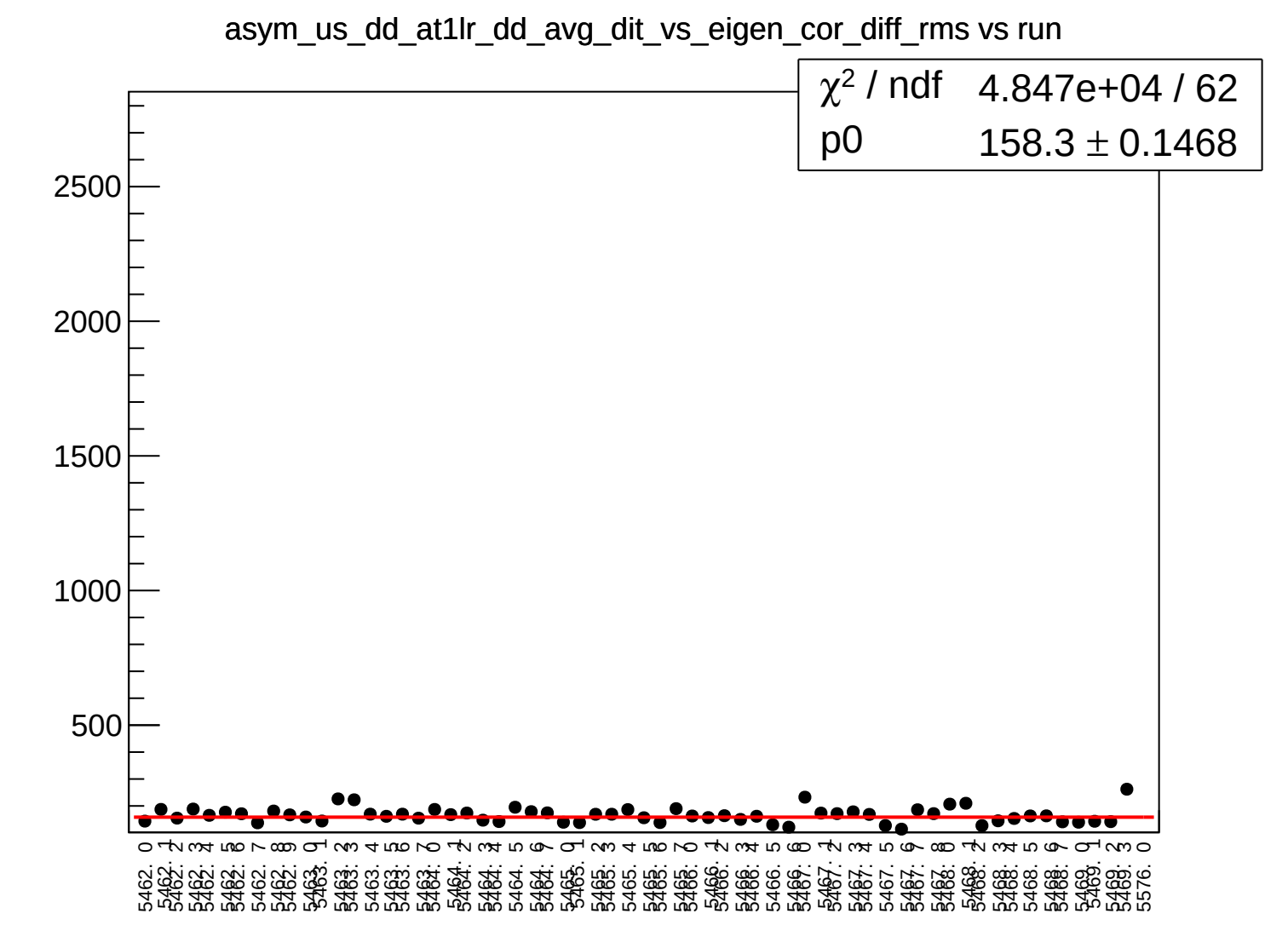

pull1D
Entries 63
Mean 0.01929
Std Dev 0.8063

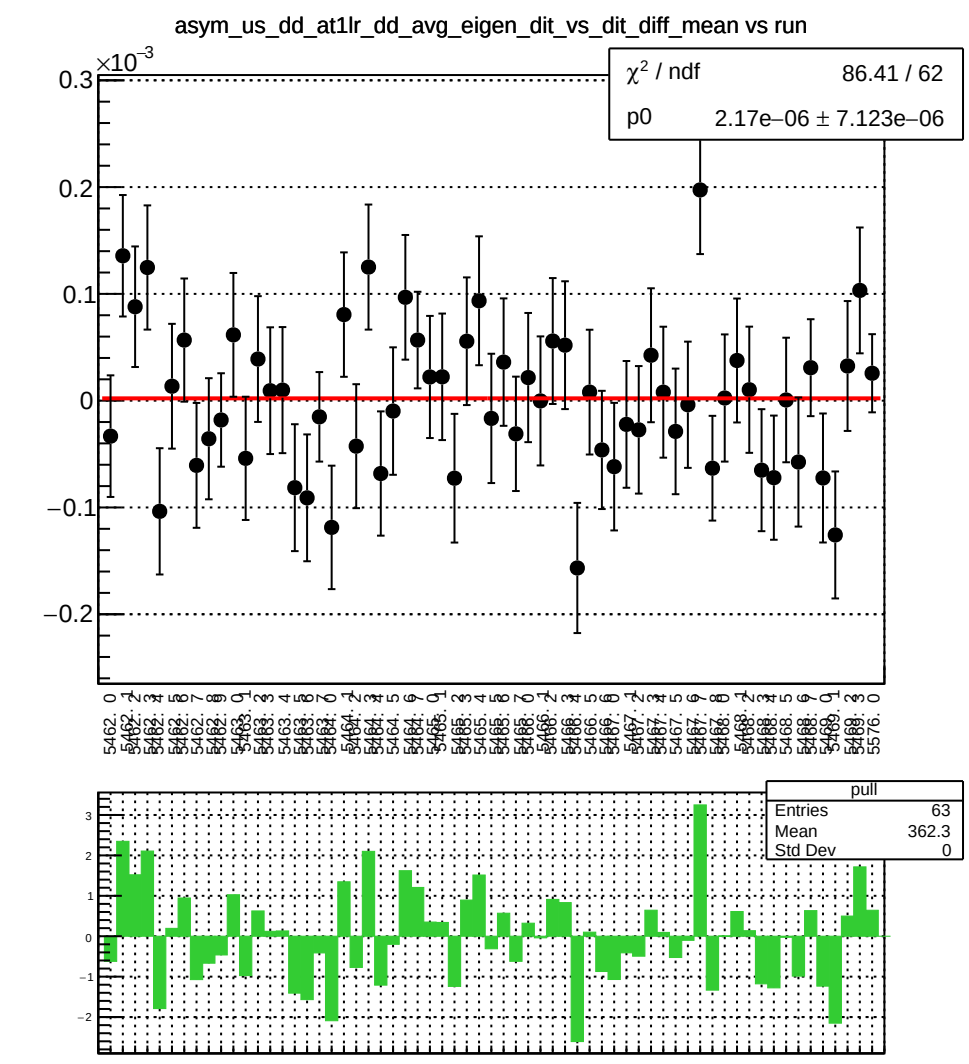

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.02e+06 / 62
p0 1.861e−11 ± 4.264e−14
120
100
80
60
40
20
0

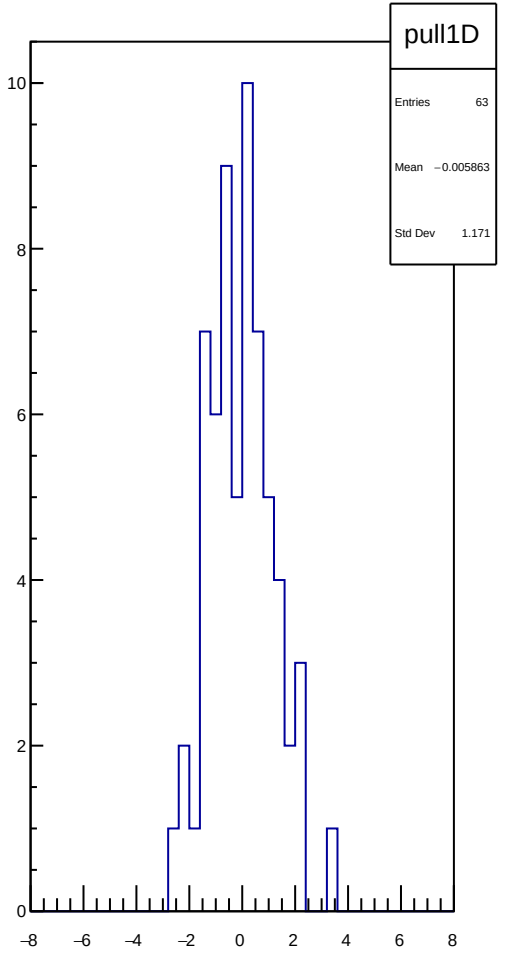

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.53 / 62
p0 −0.02335 ± 0.2076
pull
Entries 63
Mean −42.37
Std Dev 0
pull1D
Entries 63
Mean −0.01087
Std Dev 1.073

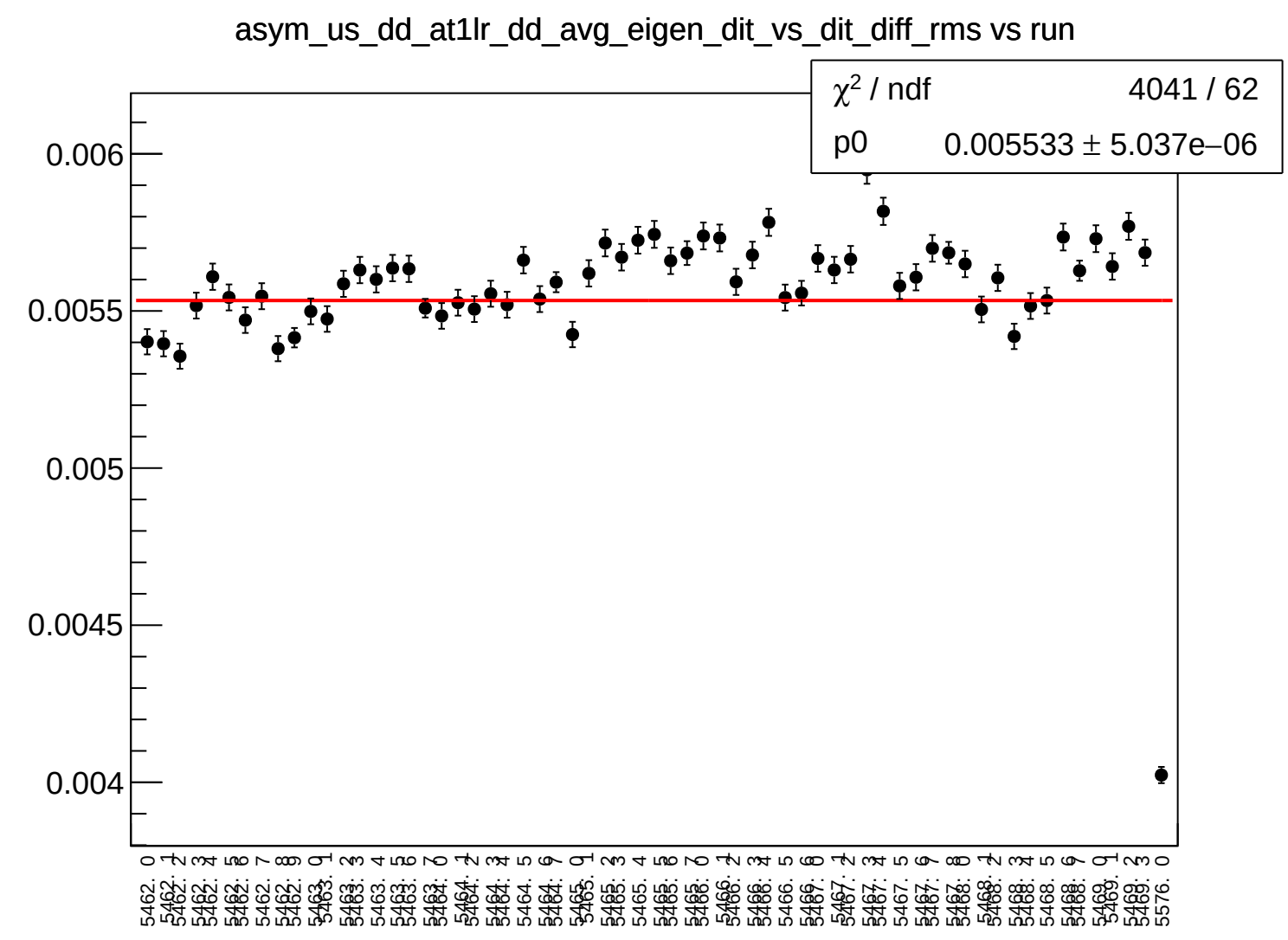

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.847e+04 / 62
p0 158.3 ± 0.1468
2500
2000
1500
1000
500

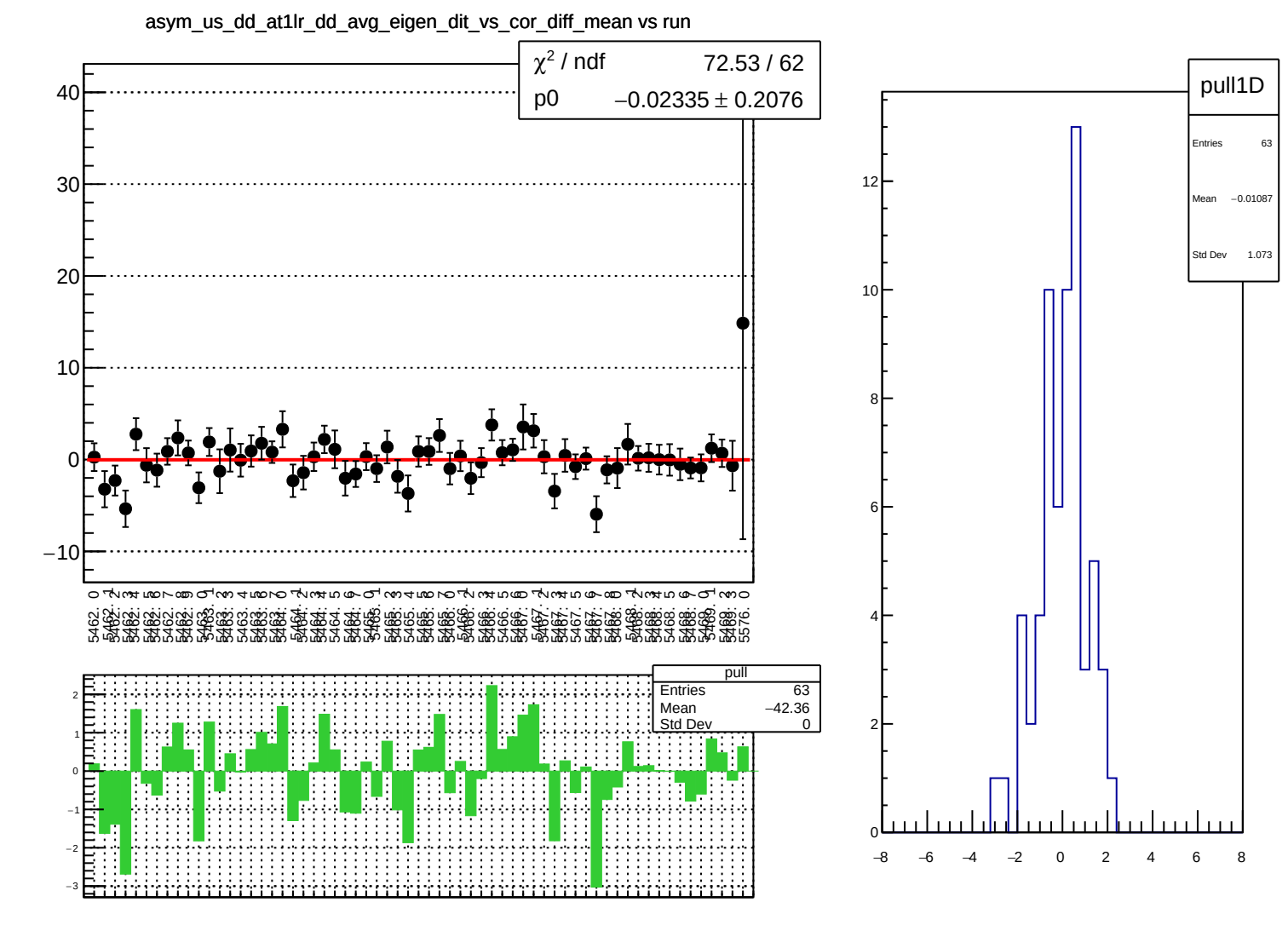

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.53 / 62
p0 −0.02335 ± 0.2076
pull
Entries 63
Mean −42.37
Std Dev 0
pull1D
Entries 63
Mean −0.01087
Std Dev 1.073

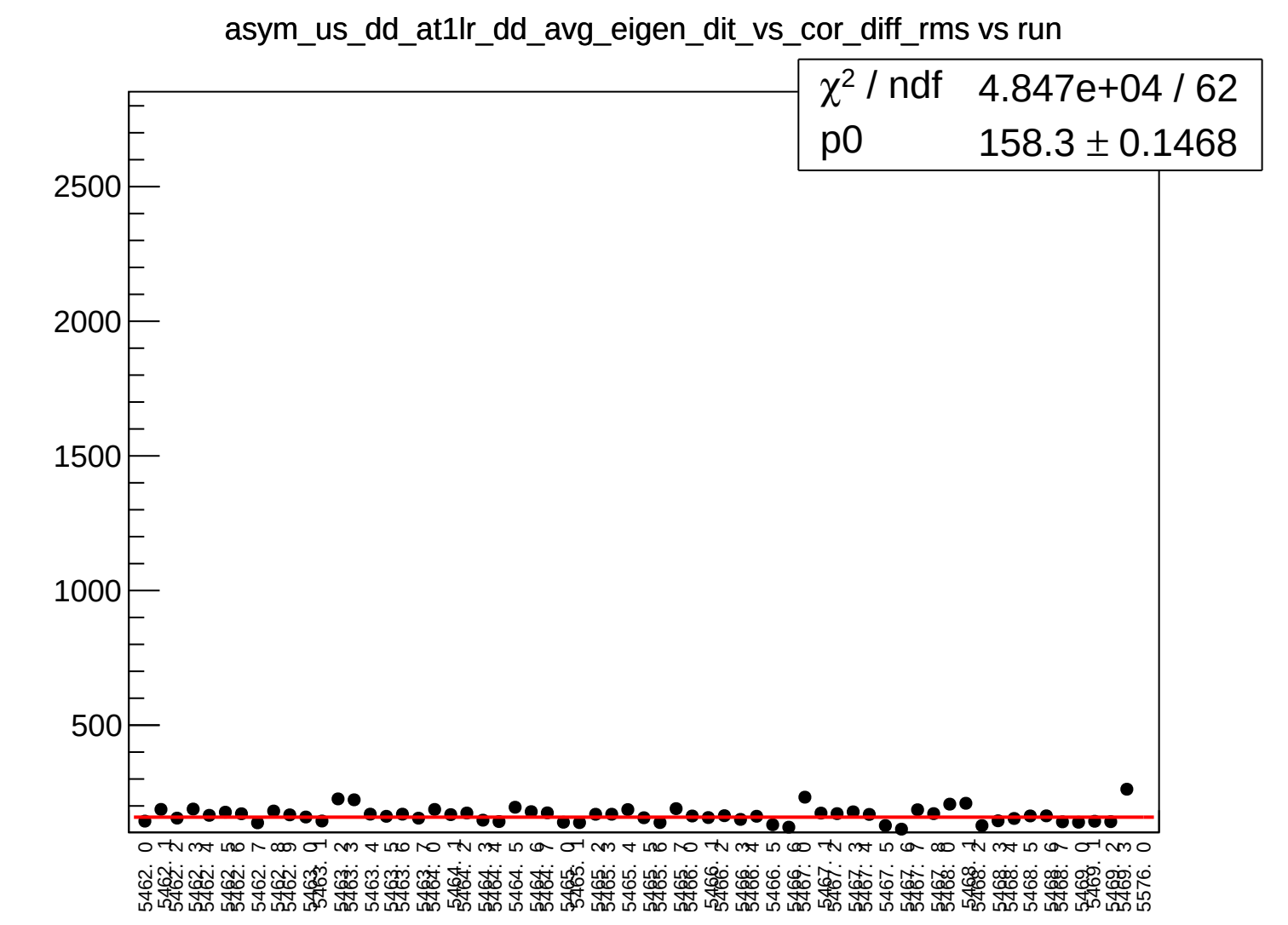

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.847e+04 / 62
p0 158.3 ± 0.1468
2500
2000
1500
1000
500

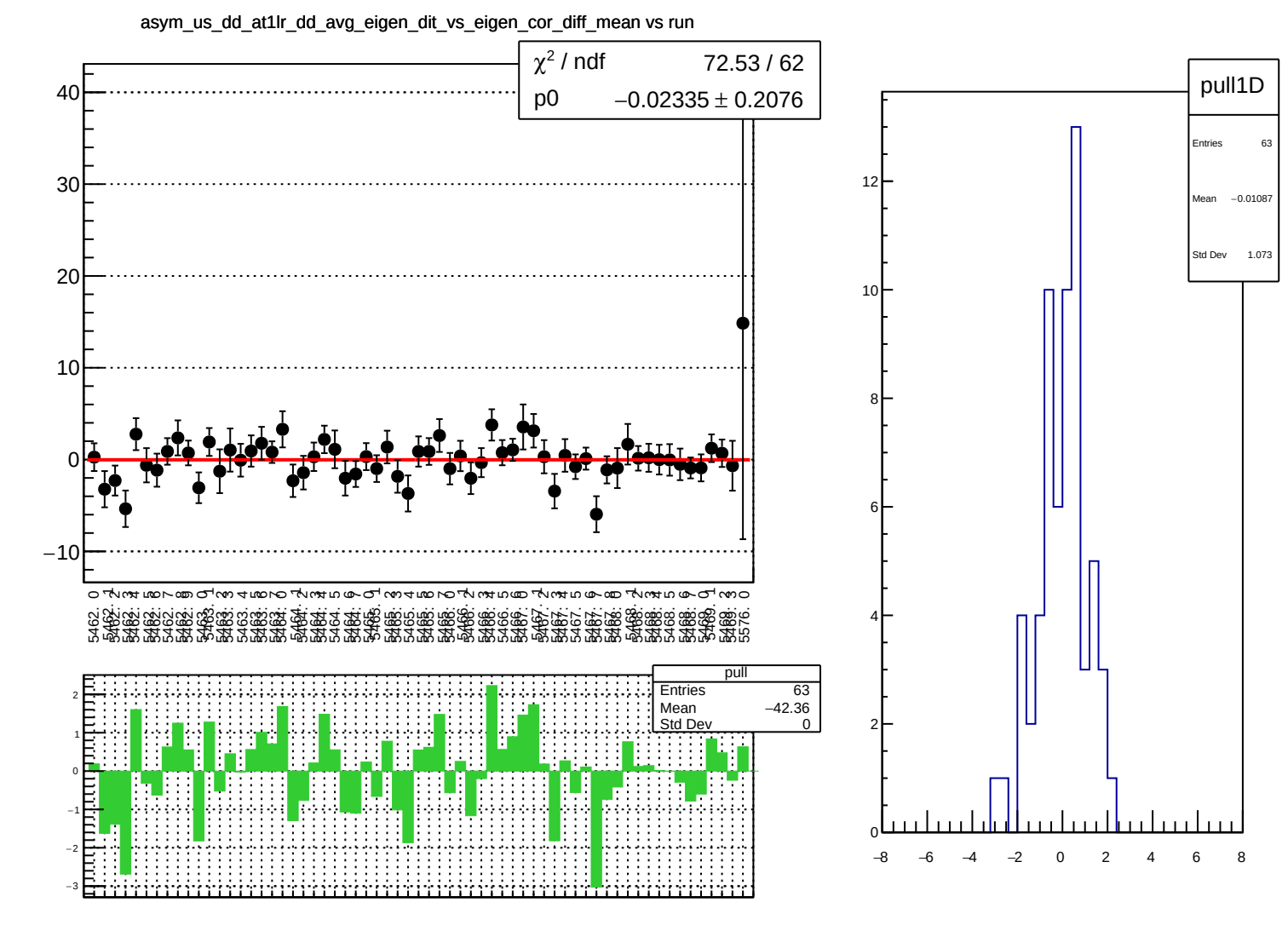

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.41 / 62
p0 2.17e−06 ± 7.123e−06
pull
Entries 63
Mean 362.3
Std Dev 0

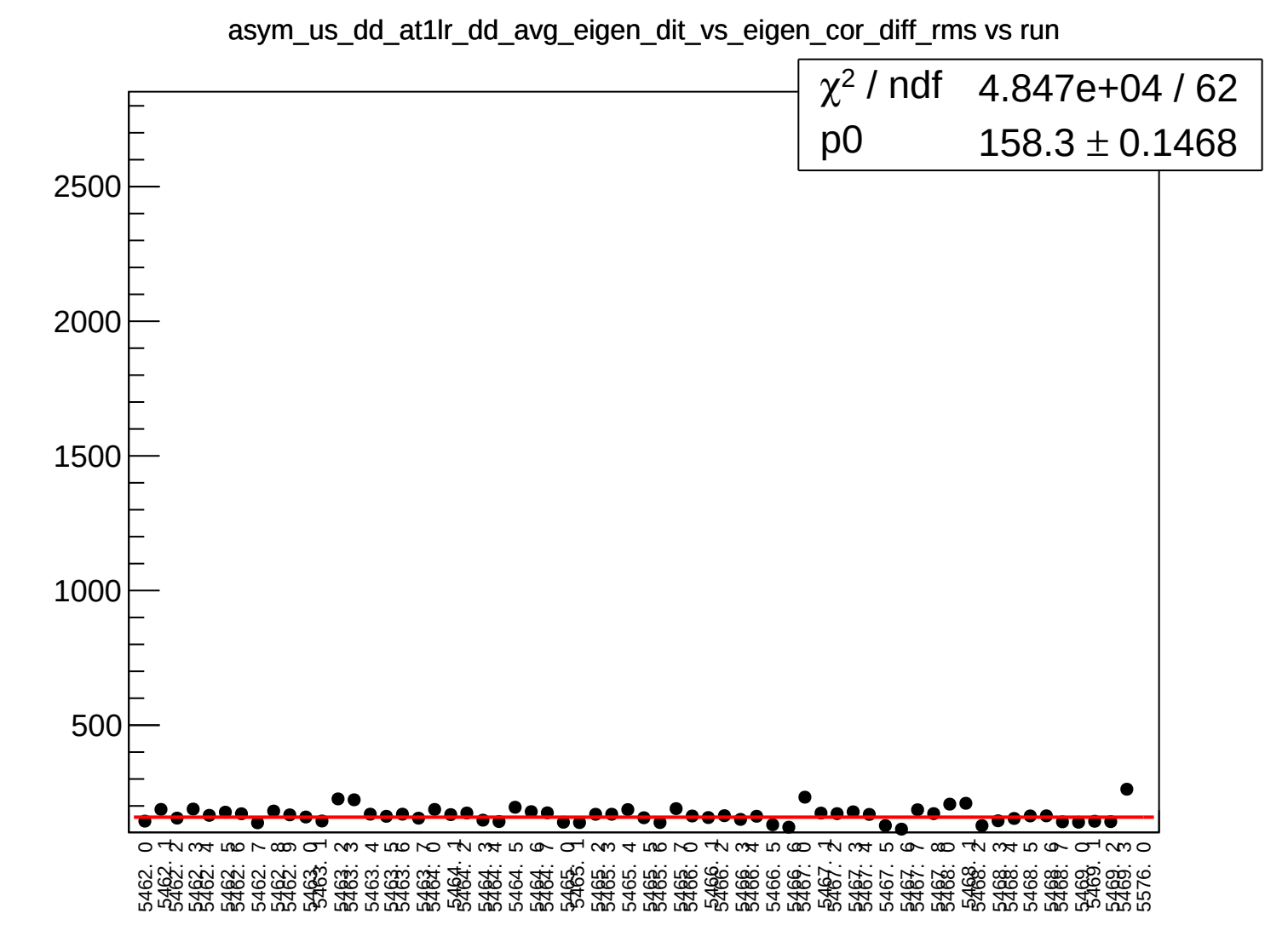

pull1D
Entries 63
Mean −0.005863
Std Dev 1.171

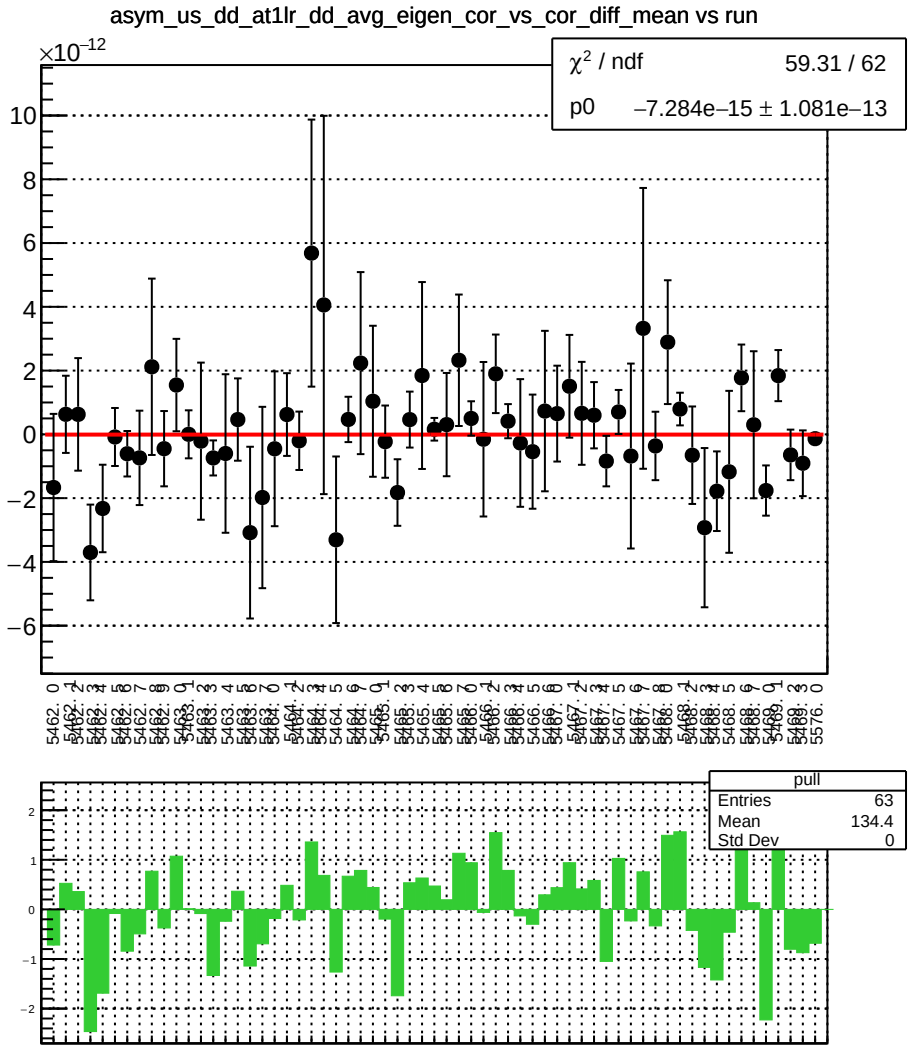

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4041 / 62
p0 0.005533 ± 5.037e−06
0.006
0.0055
0.005
0.0045
0.004

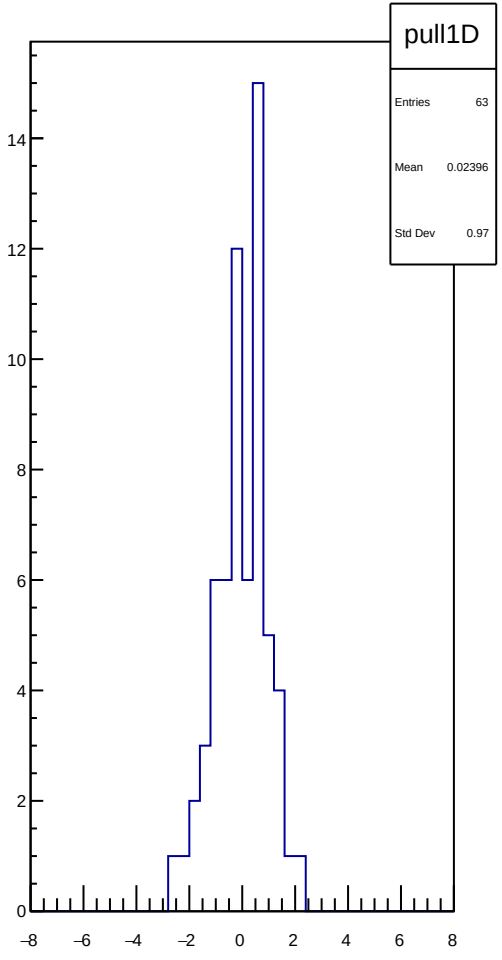

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.53 / 62
p0 −0.02335 ± 0.2076
pull
Entries 63
Mean −42.36
Std Dev 0
pull1D
Entries 63
Mean −0.01087
Std Dev 1.073

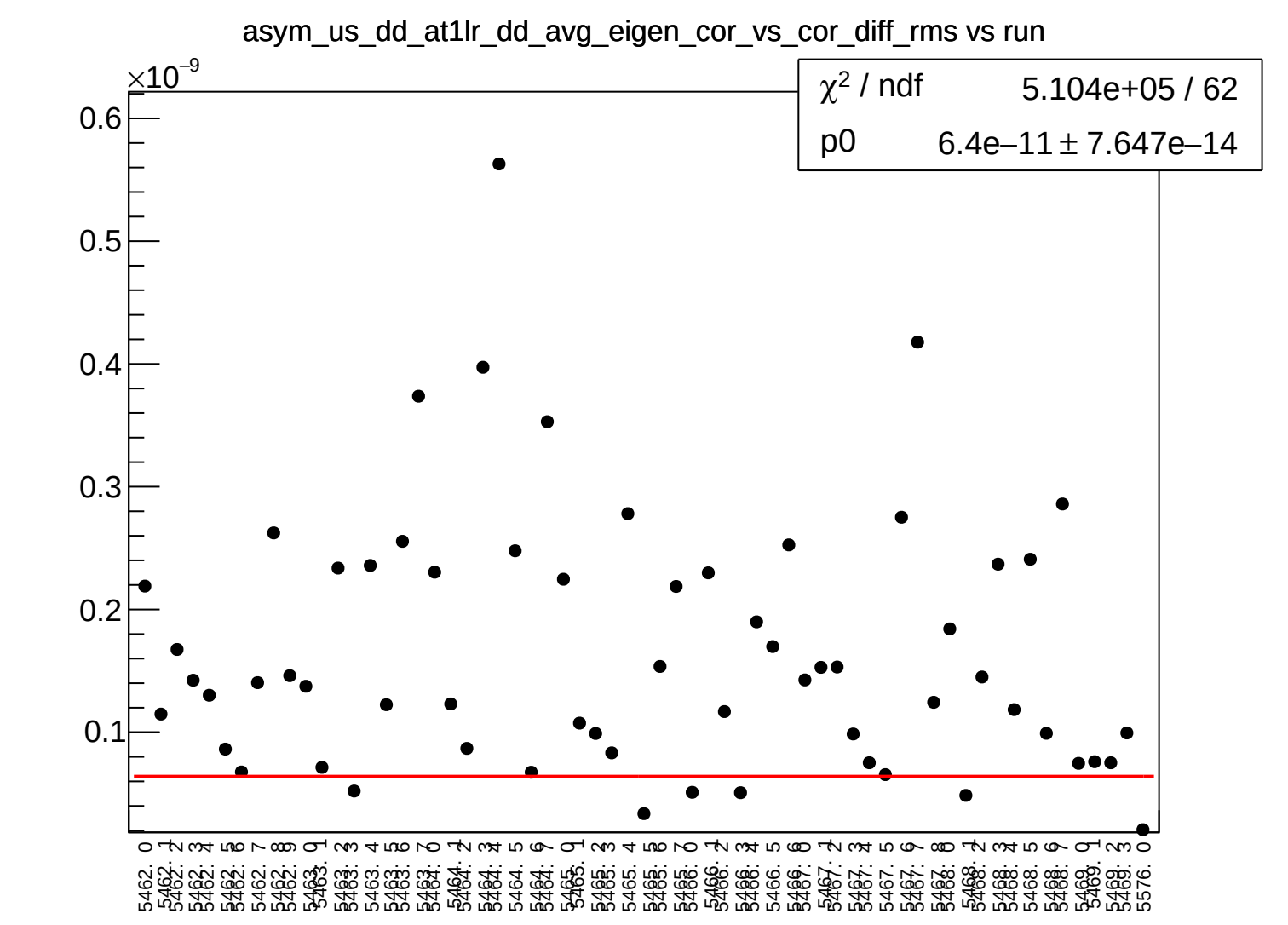

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.847e+04 / 62
p0 158.3 ± 0.1468
2500
2000
1500
1000
500

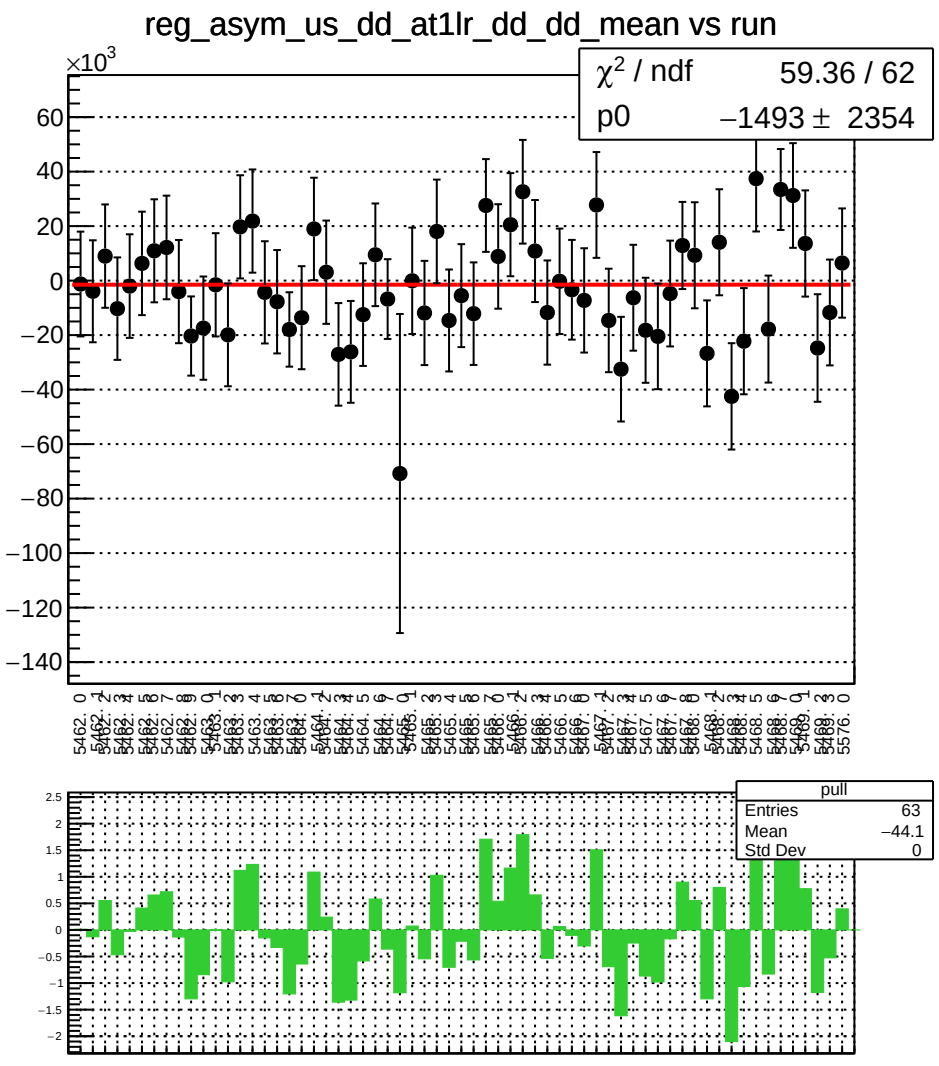

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.53 / 62
p0 −0.02335 ± 0.2076
pull
Entries 63
Mean −42.36
Std Dev 0
pull1D
Entries 63
Mean −0.01087
Std Dev 1.073

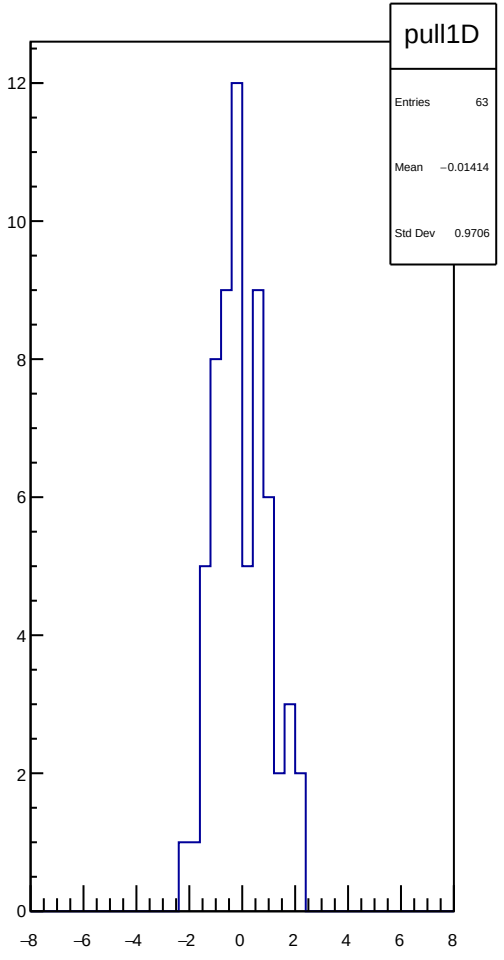

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.847e+04 / 62
p0 158.3 ± 0.1468
2500
2000
1500
1000
500

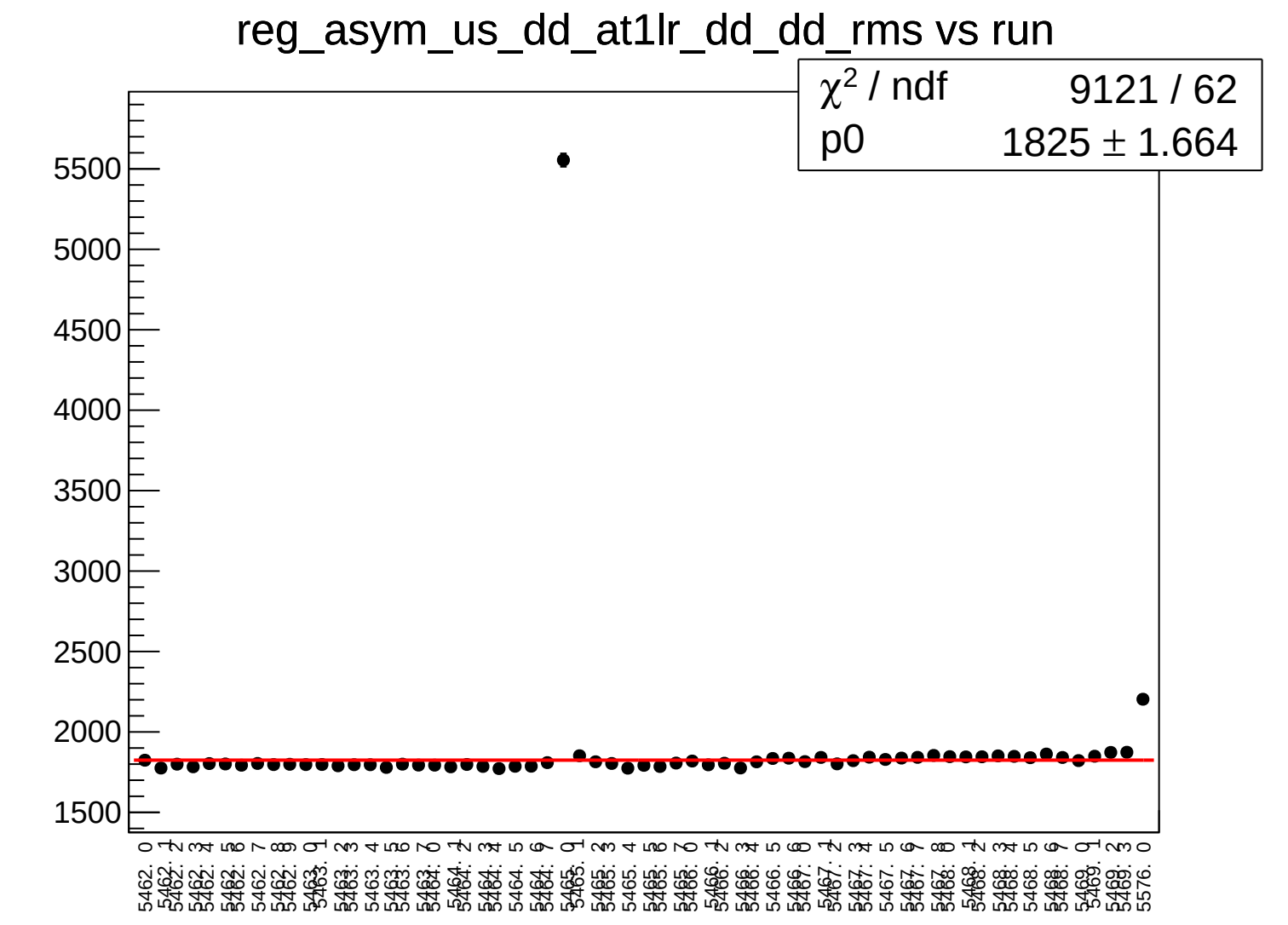

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.31 / 62
p0 −7.284e−15 ± 1.081e−13
pull
Entries 63
Mean 134.4
Std Dev 0

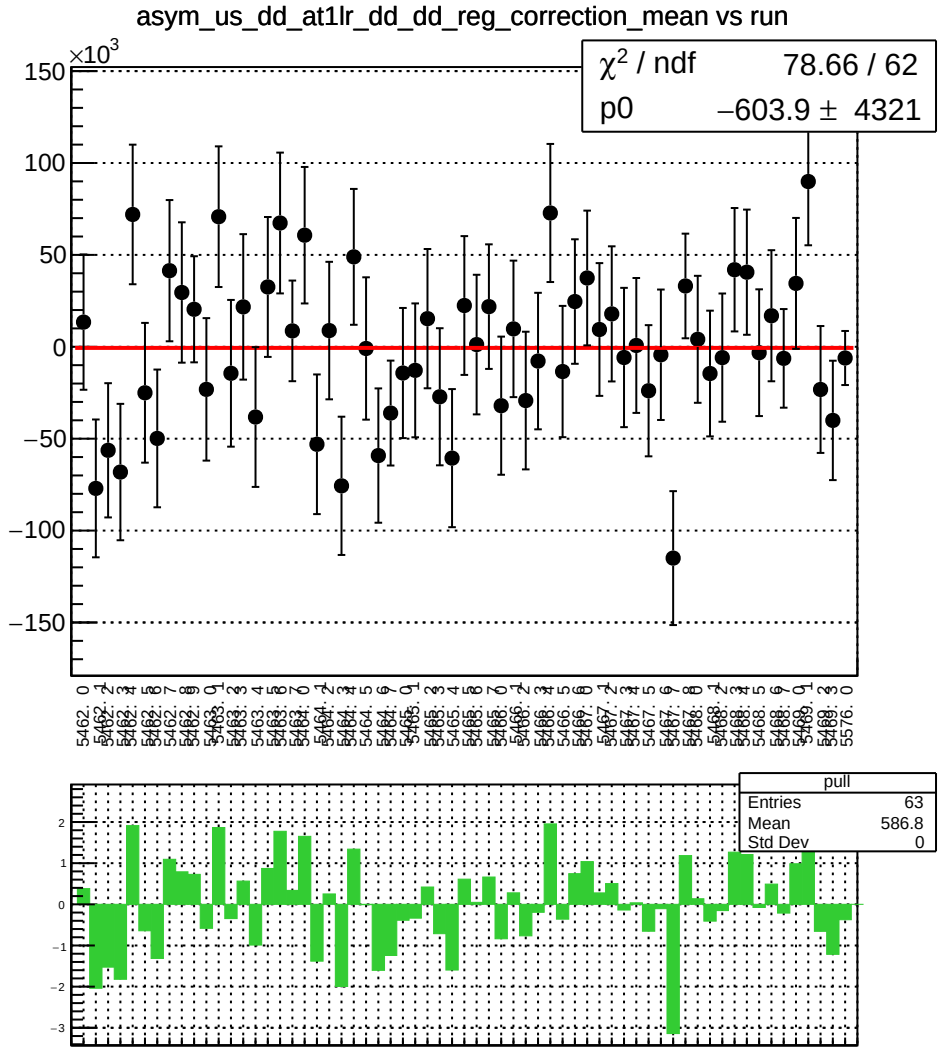

pull1D
Entries 63
Mean 0.02396
Std Dev 0.97

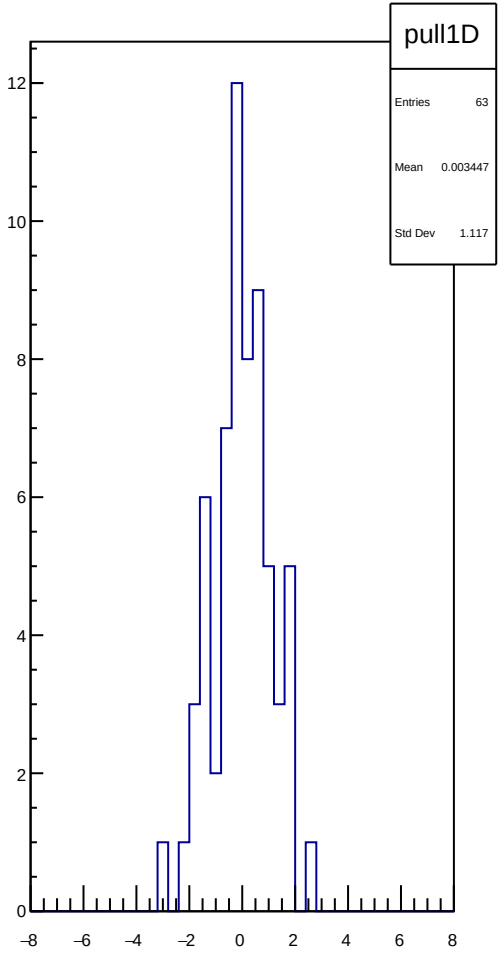

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.104e+05 / 62
p0 6.4e−11 ± 7.647e−14
0.6
0.5
0.4
0.3
0.2
0.1

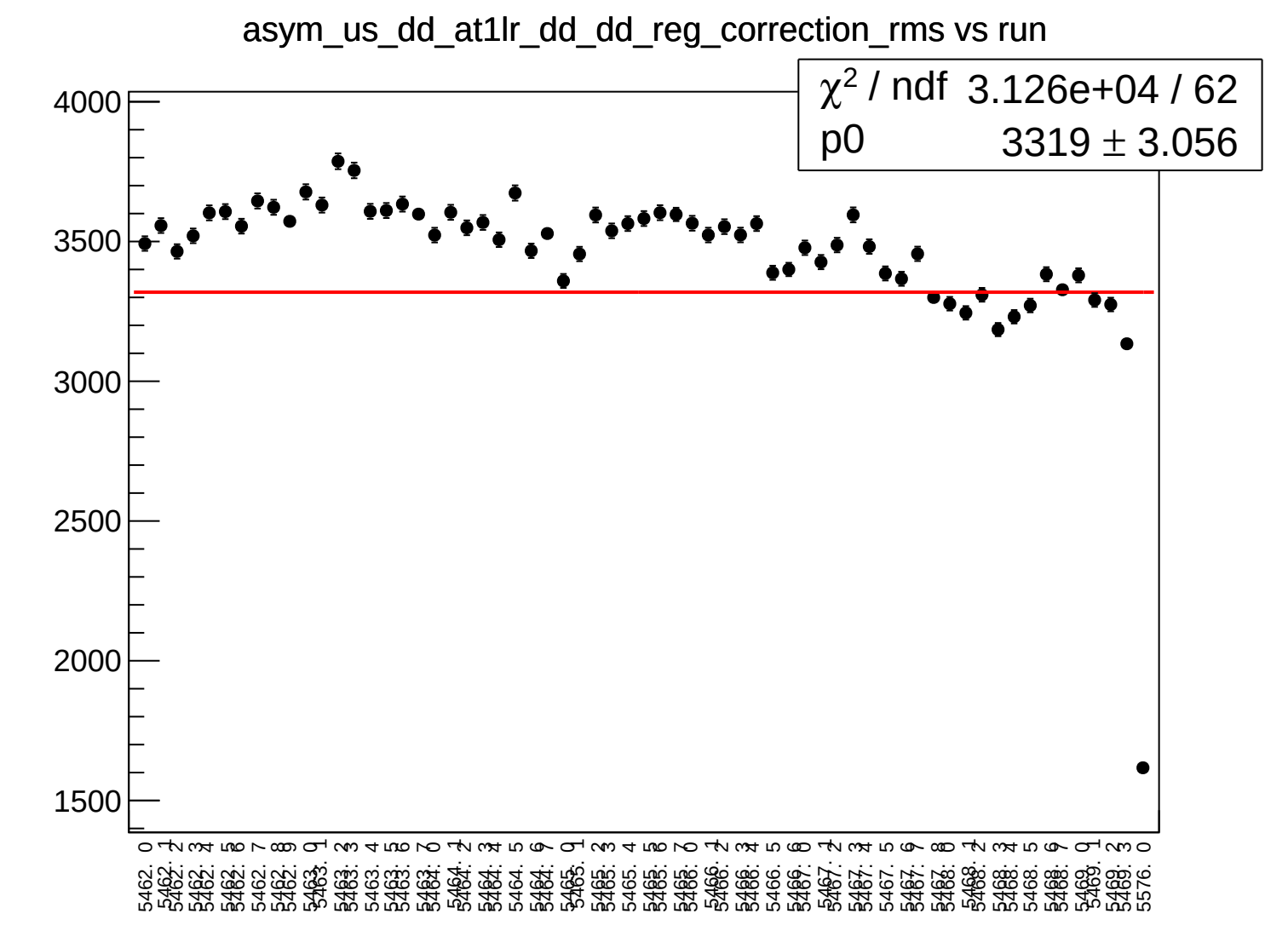

reg_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ^2 / ndf 59.36 / 62
p0 −1493 ± 2354
pull
Entries 63
Mean −44.1
Std Dev 0

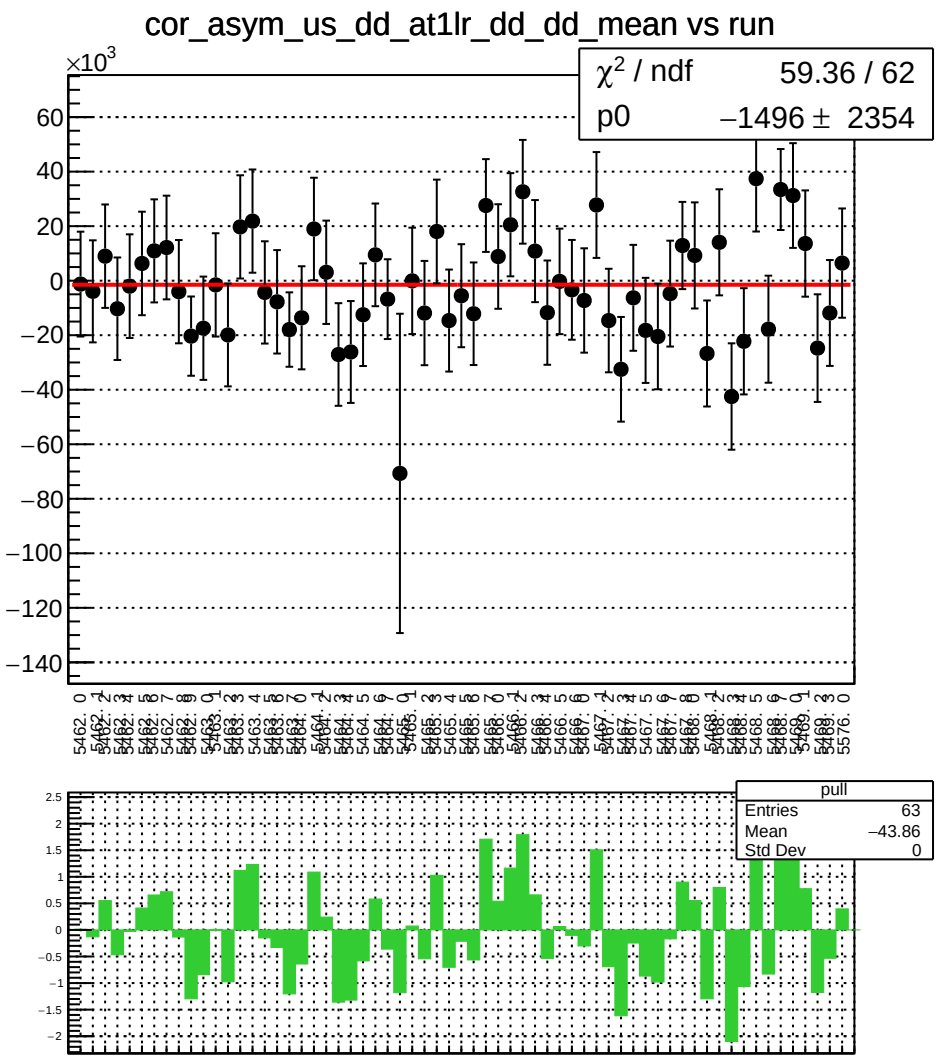

pull1D
Entries 63
Mean −0.01414
Std Dev 0.9706

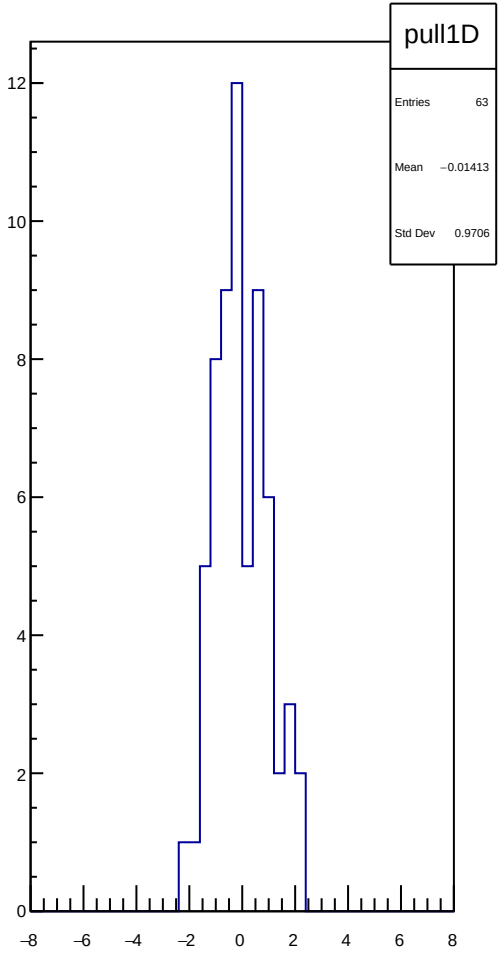

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 9121 / 62
p0 1825 ± 1.664
5500
5000
4500
4000
3500
3000
2500
2000
1500

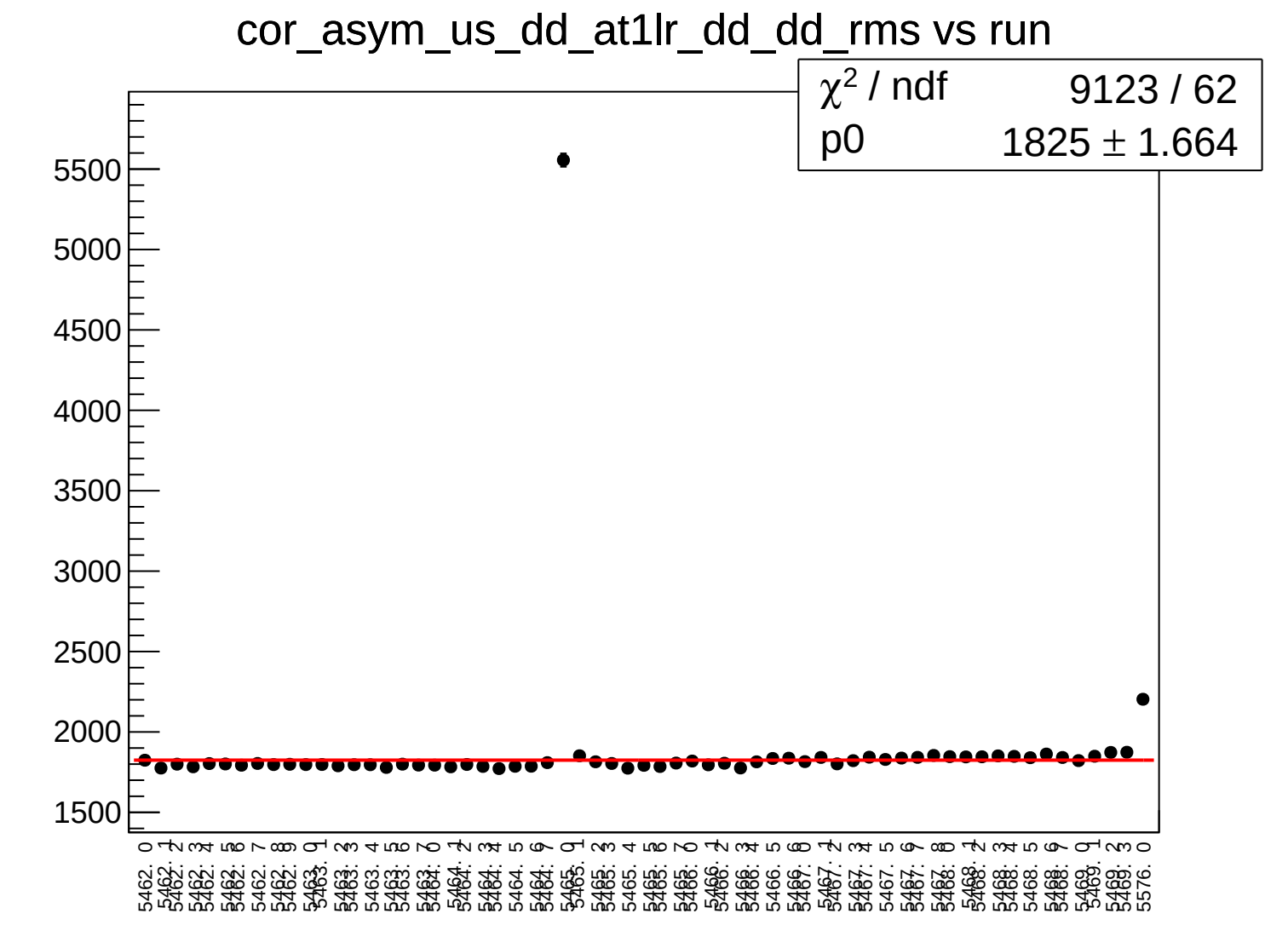

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 78.66 / 62
p0 −603.9 ± 4321
pull
Entries 63
Mean 586.8
Std Dev 0

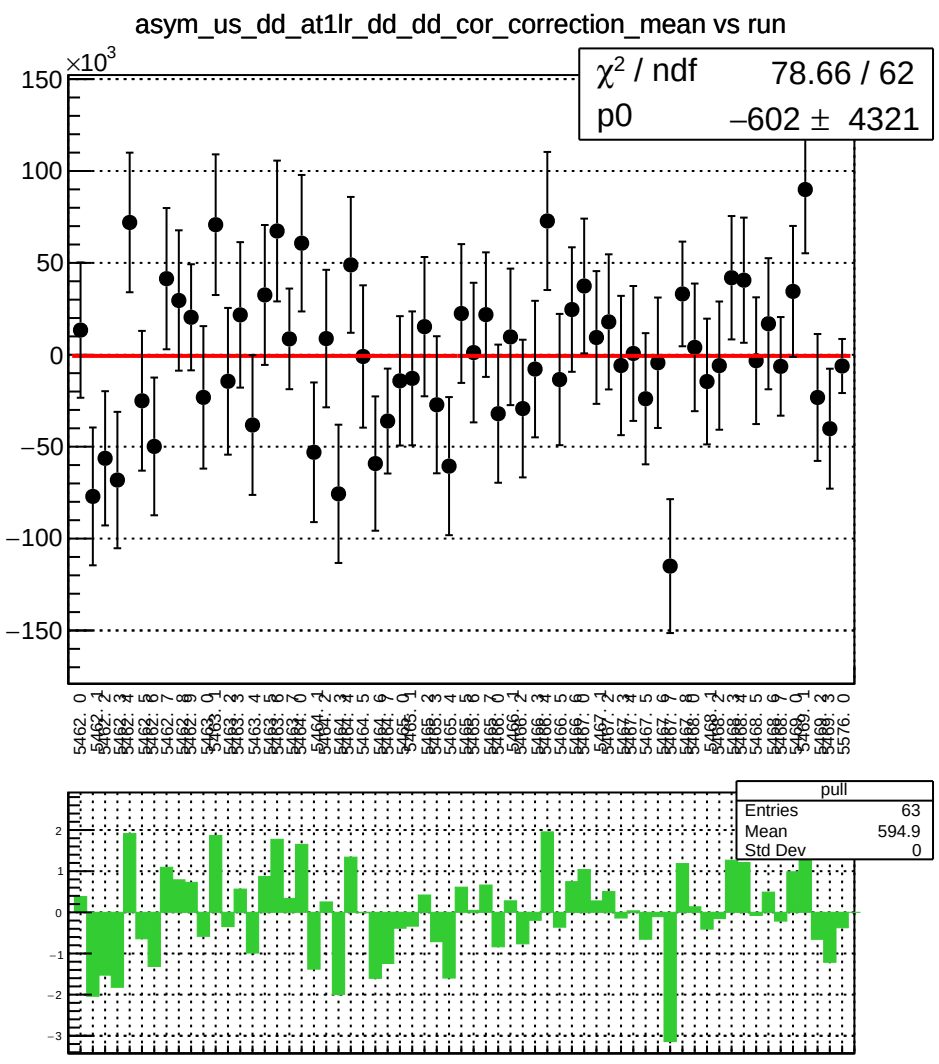

pull1D
Entries 63
Mean 0.003447
Std Dev 1.117

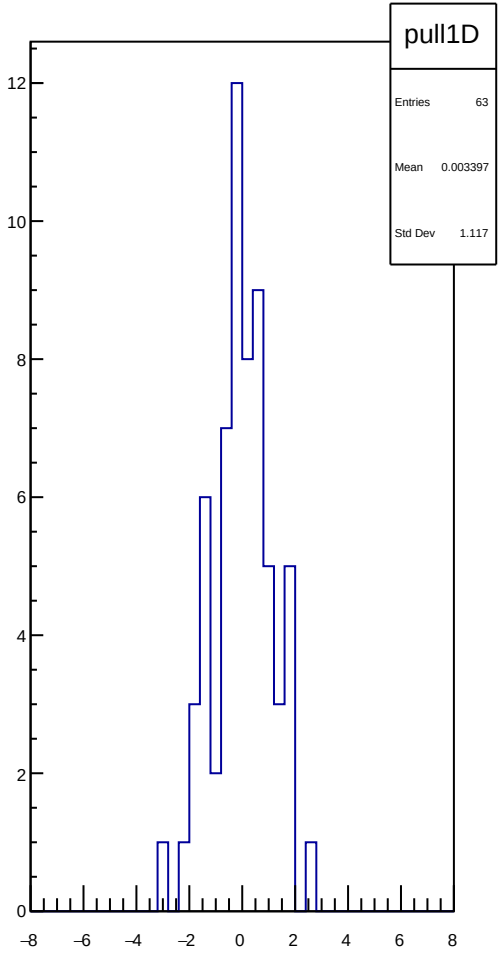

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3.126e+04 / 62
p0 3319 ± 3.056
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

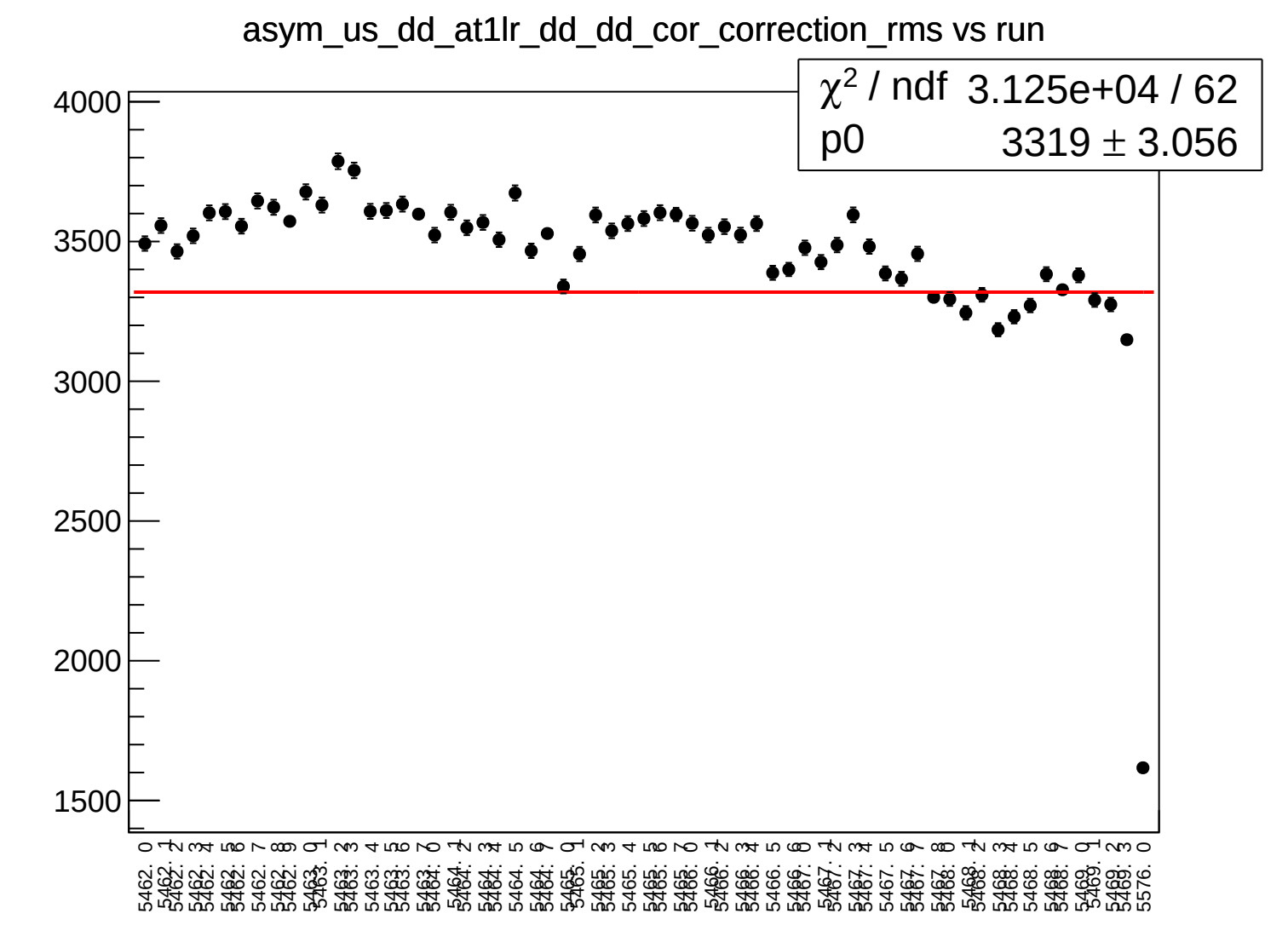

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.36 / 62
p0 −1496 ± 2354
×10³
pull
Entries 63
Mean −43.86
Std Dev 0

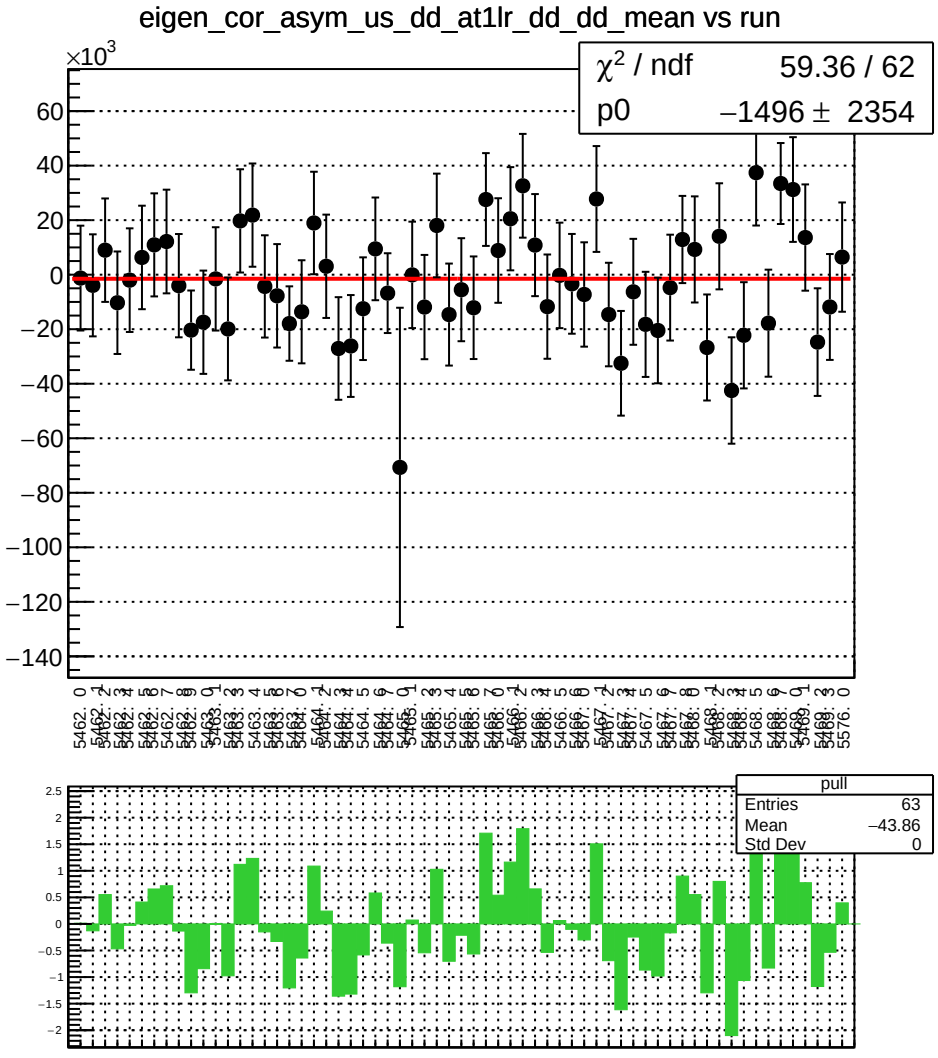

pull1D
Entries 63
Mean −0.01413
Std Dev 0.9706

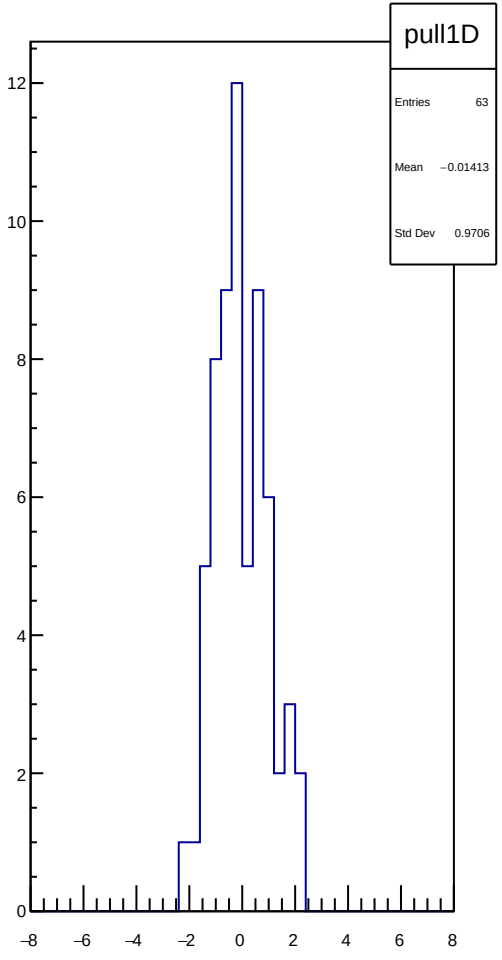

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 9123 / 62
p0 1825 ± 1.664
5500
5000
4500
4000
3500
3000
2500
2000
1500

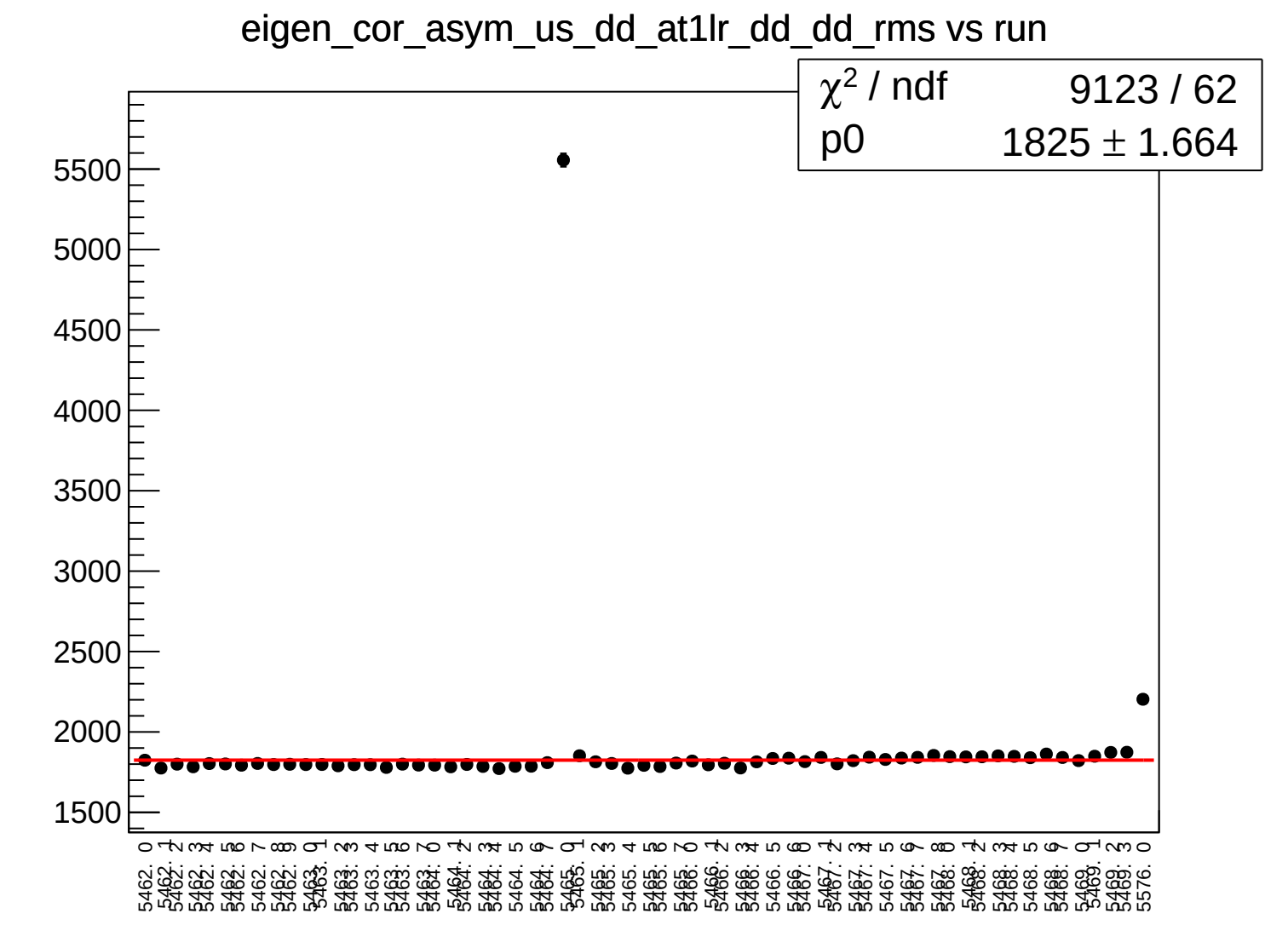

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 78.66 / 62
p0 −602 ± 4321
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 594.9
Std Dev 0
2
1
0
−1
−2
−3

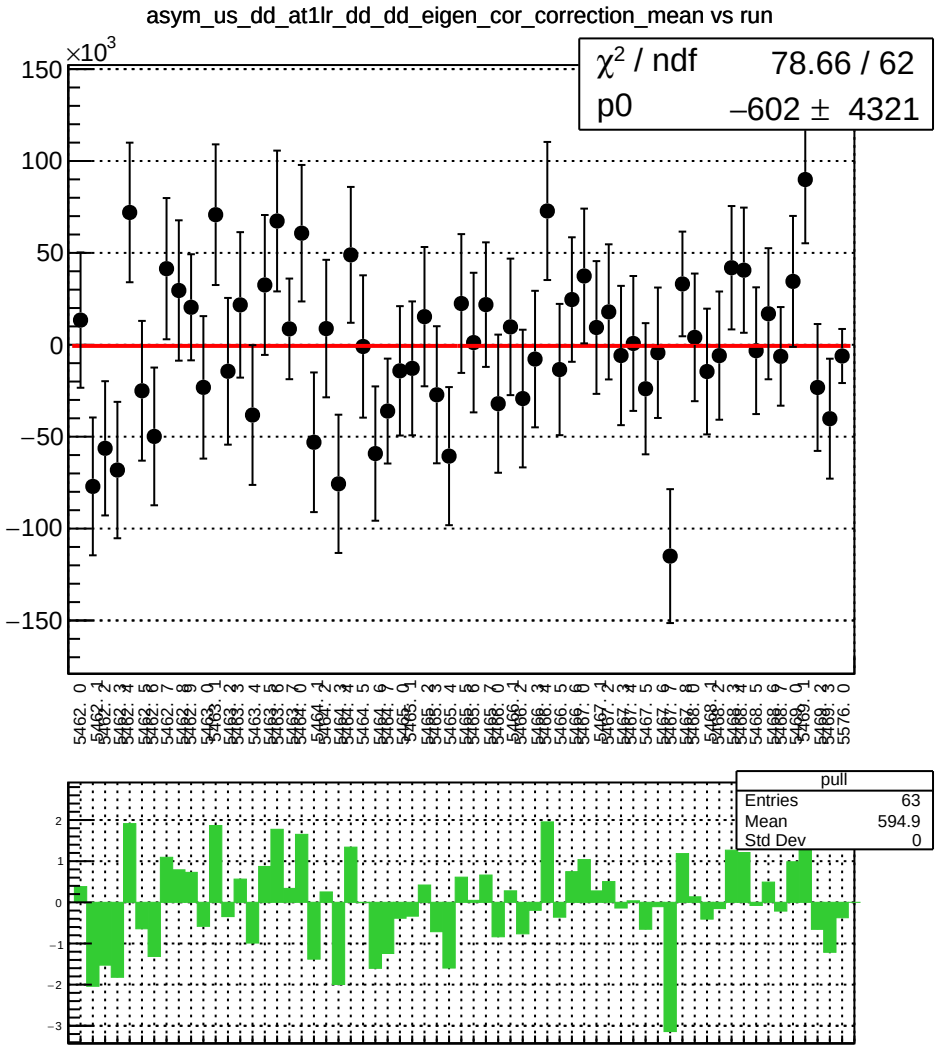

pull1D
Entries 63
Mean 0.003397
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

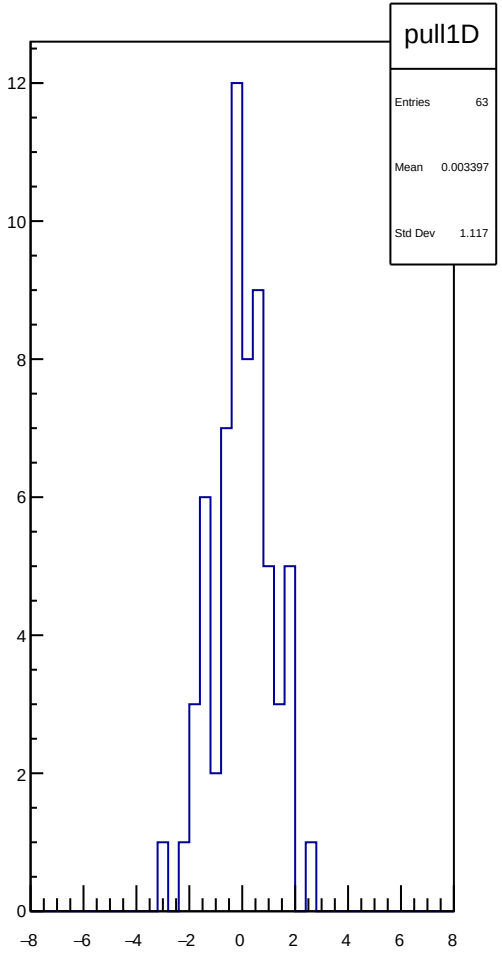

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3.125e+04 / 62
p0 3319 ± 3.056
4000
3500
3000
2500
2000
1500

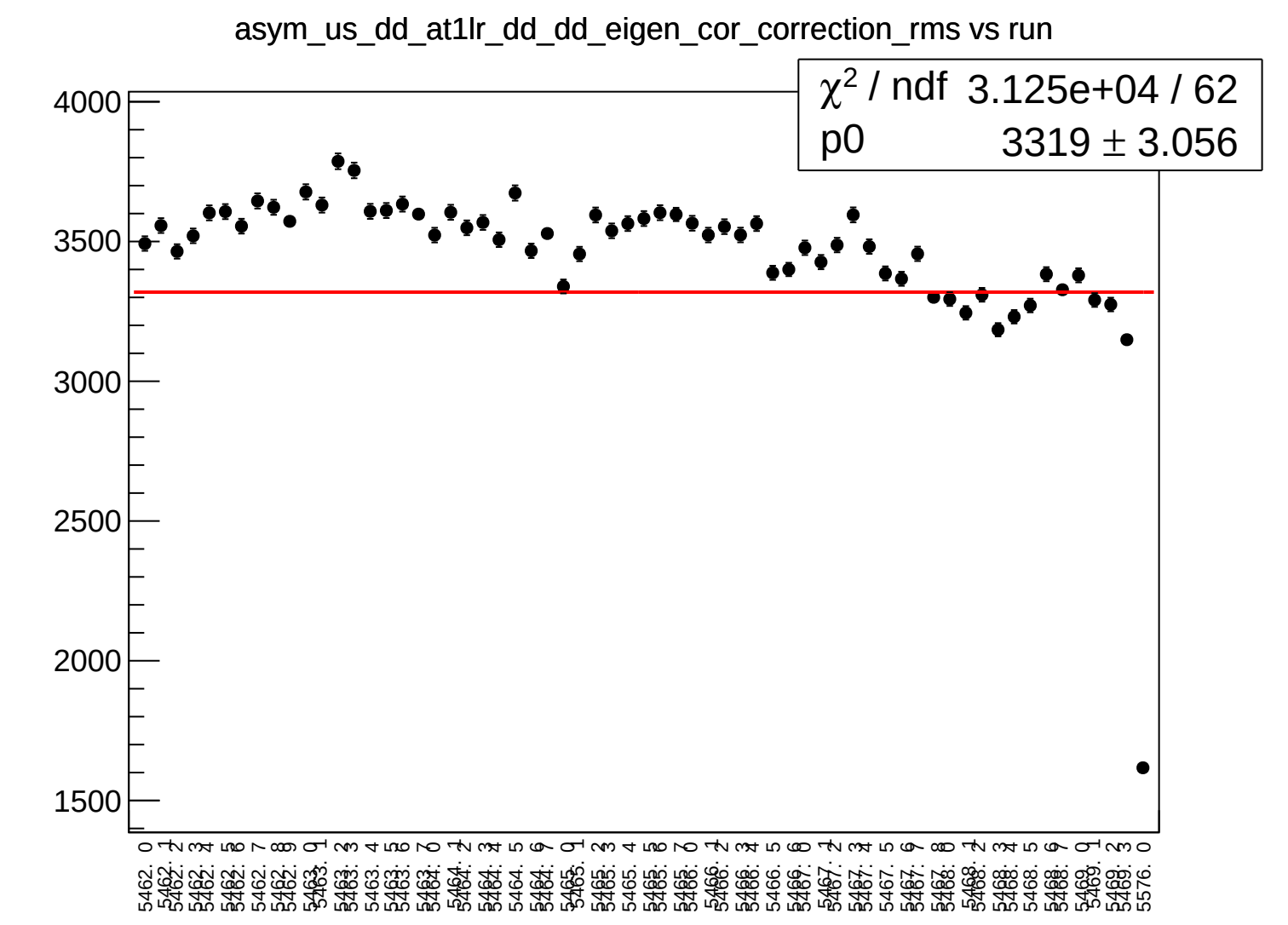

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 59.36 / 62
p0 −1496 ± 2354
pull
Entries 63
Mean −43.86
Std Dev 0

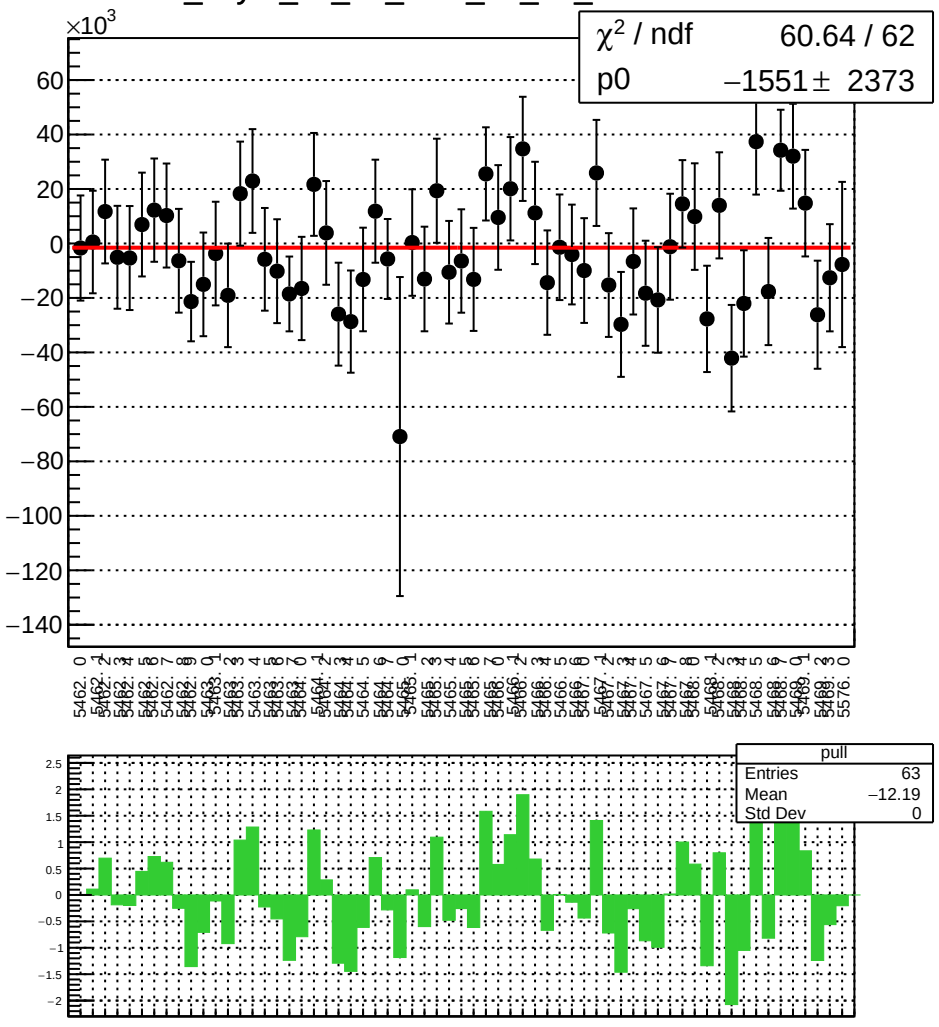

pull1D
Entries 63
Mean −0.01413
Std Dev 0.9706

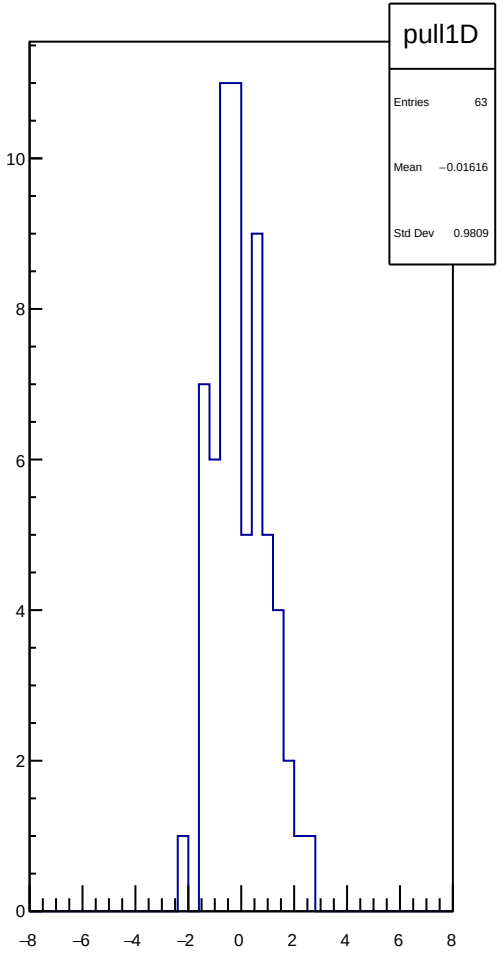

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 9123 / 62
p0 1825 ± 1.664
5500
5000
4500
4000
3500
3000
2500
2000
1500

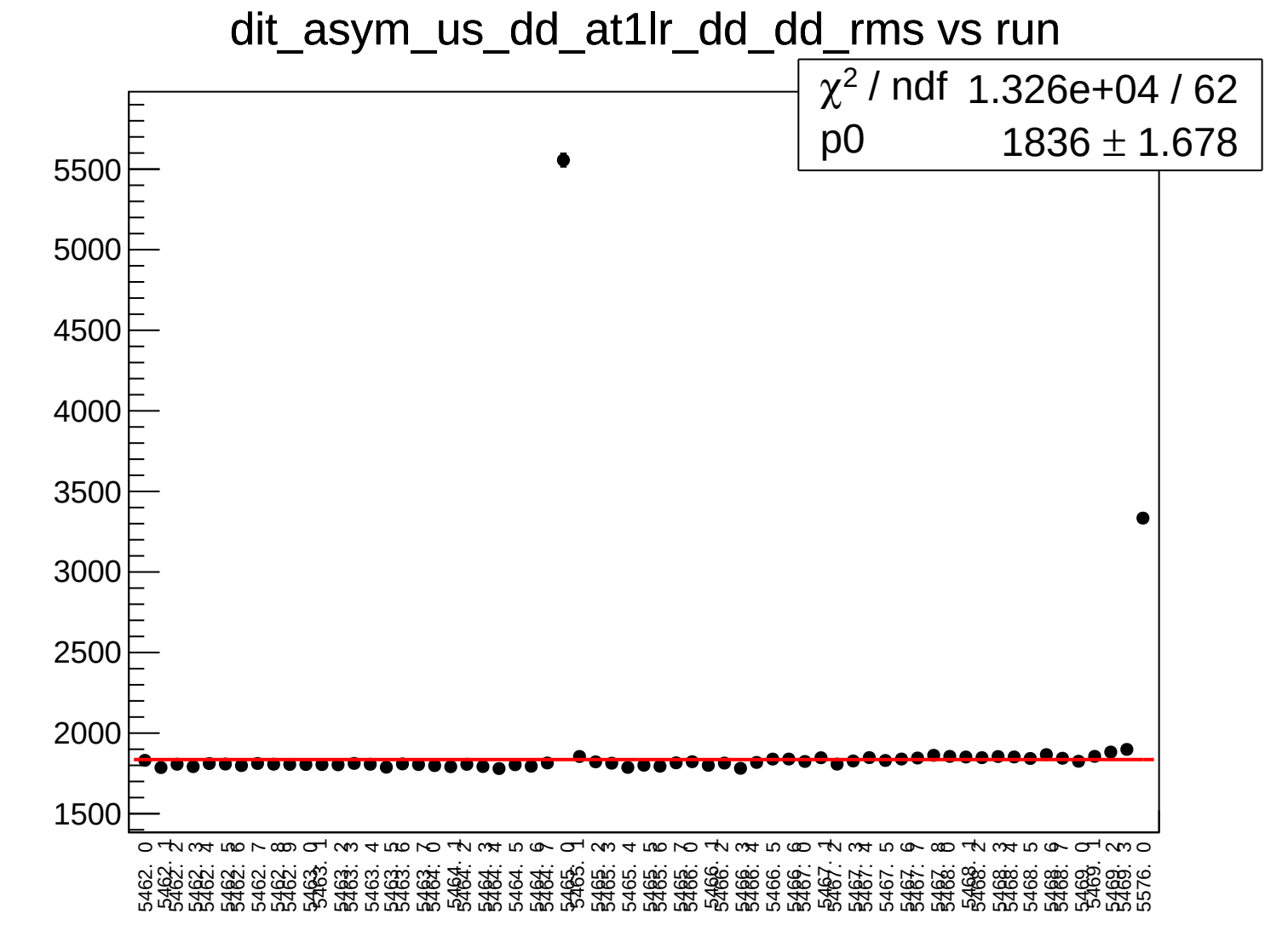

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 78.66 / 62
p0 −602 ± 4321
pull
Entries 63
Mean 594.9
Std Dev 0

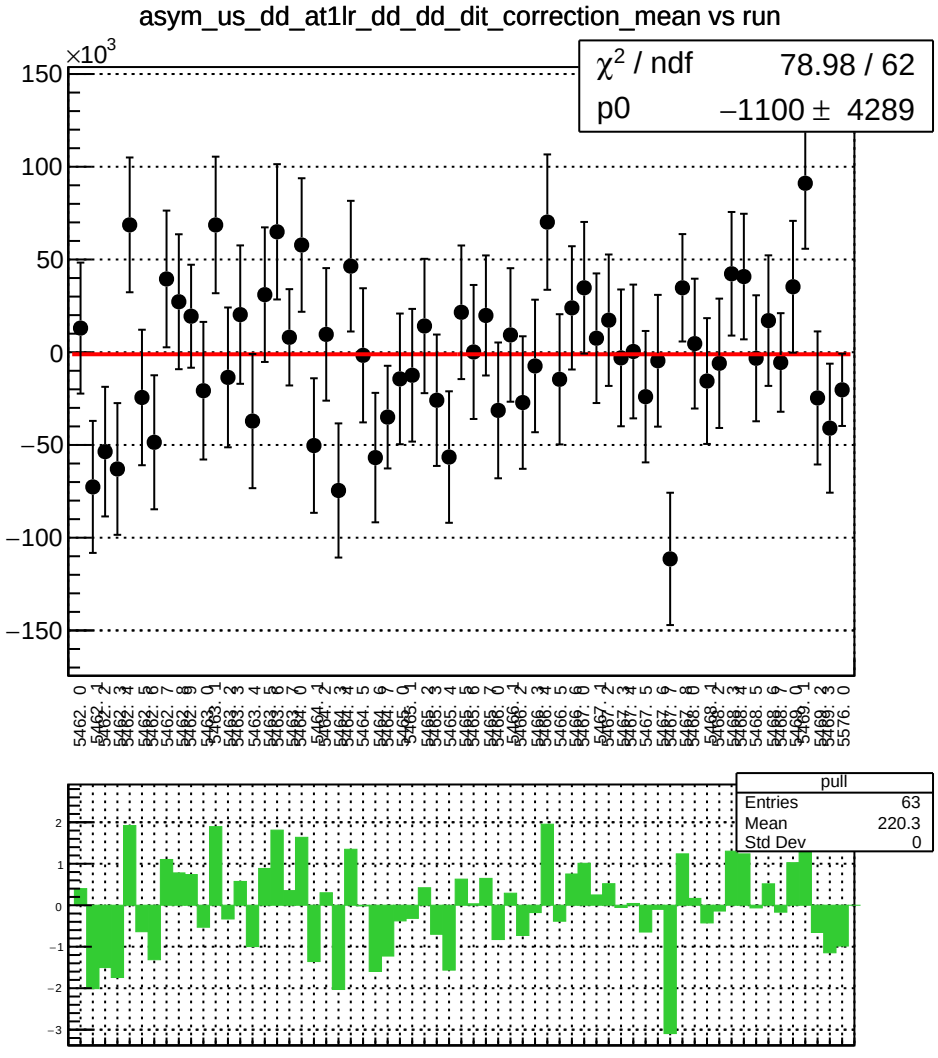

pull1D
Entries 63
Mean 0.003397
Std Dev 1.117

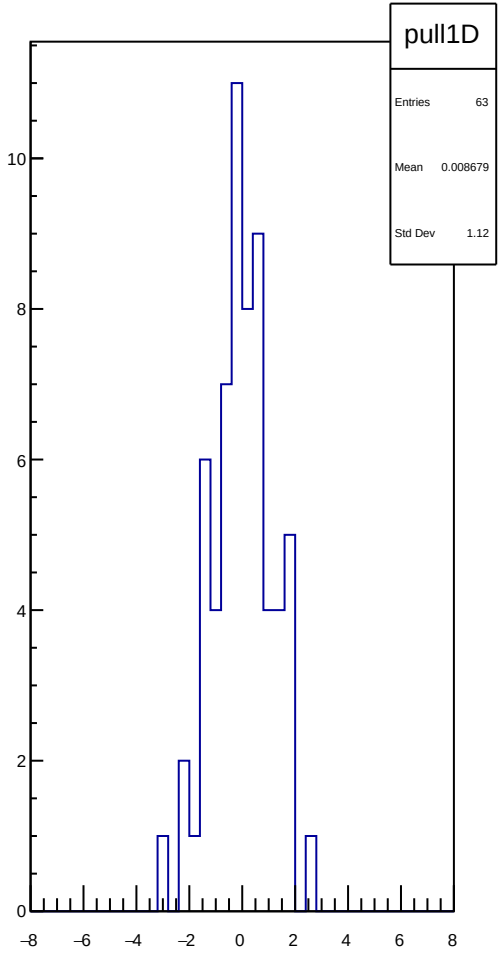

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.125e+04 / 62
p0 3319 ± 3.056
4000
3500
3000
2500
2000
1500

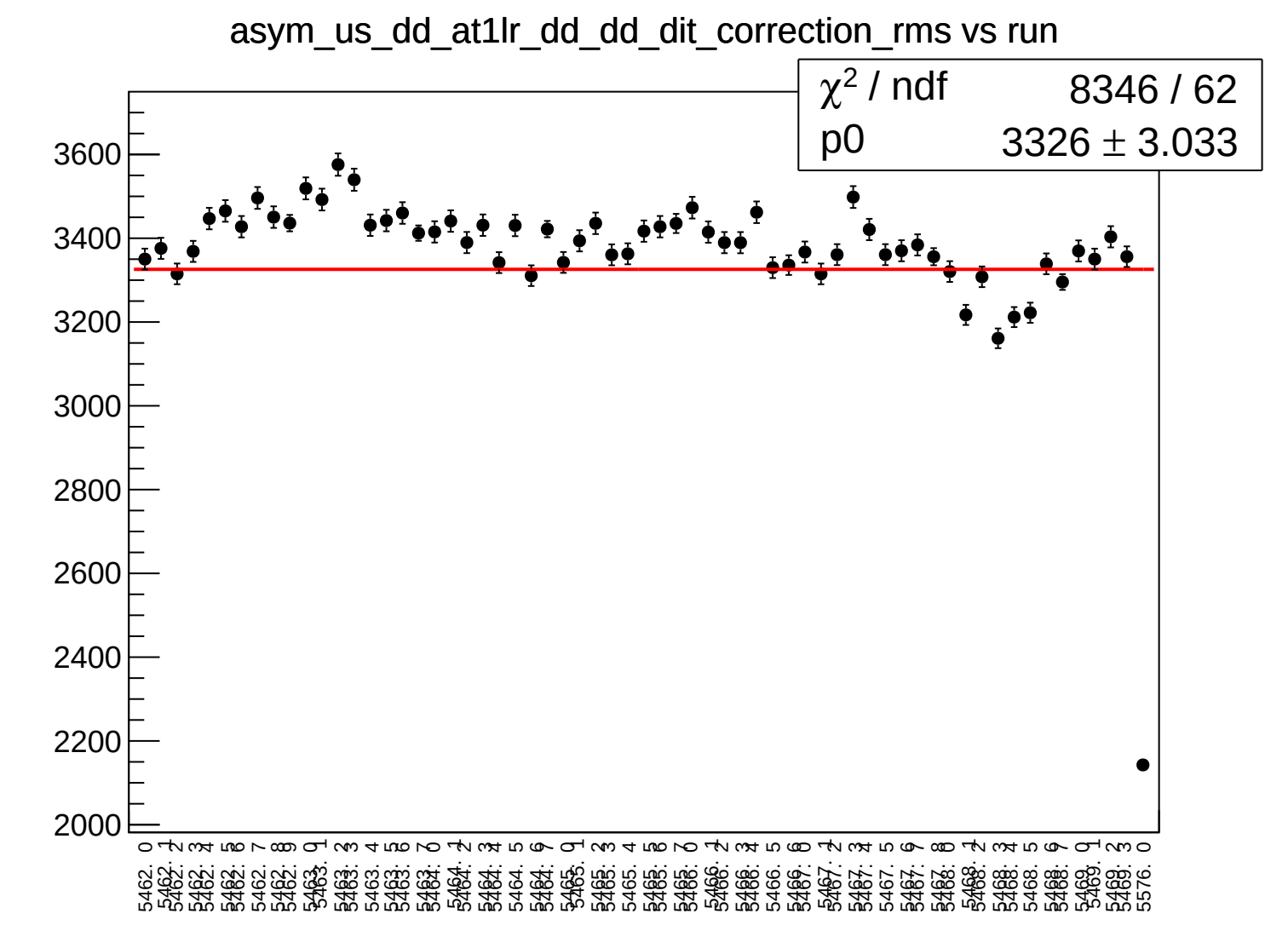

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 60.64 / 62
p0 −1551 ± 2373
×10³
pull
Entries 63
Mean −12.19
Std Dev 0

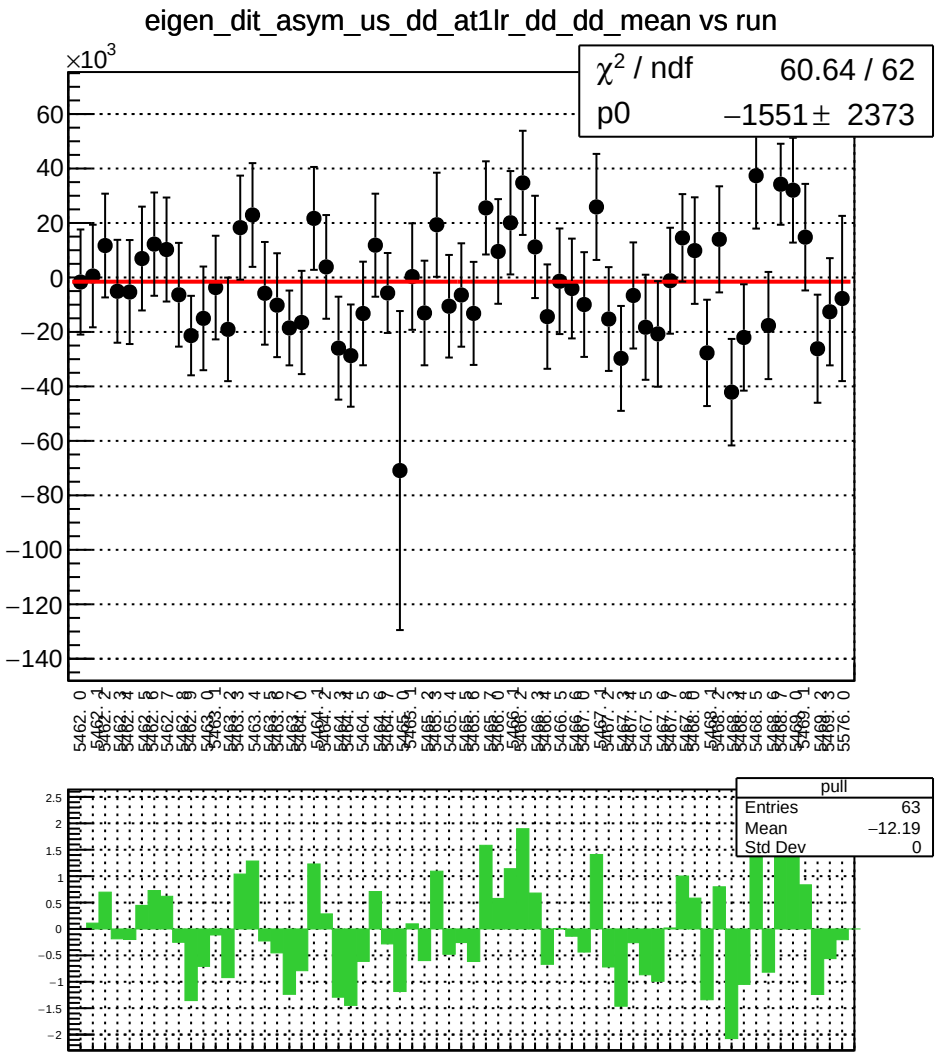

pull1D
Entries 63
Mean −0.01616
Std Dev 0.9809

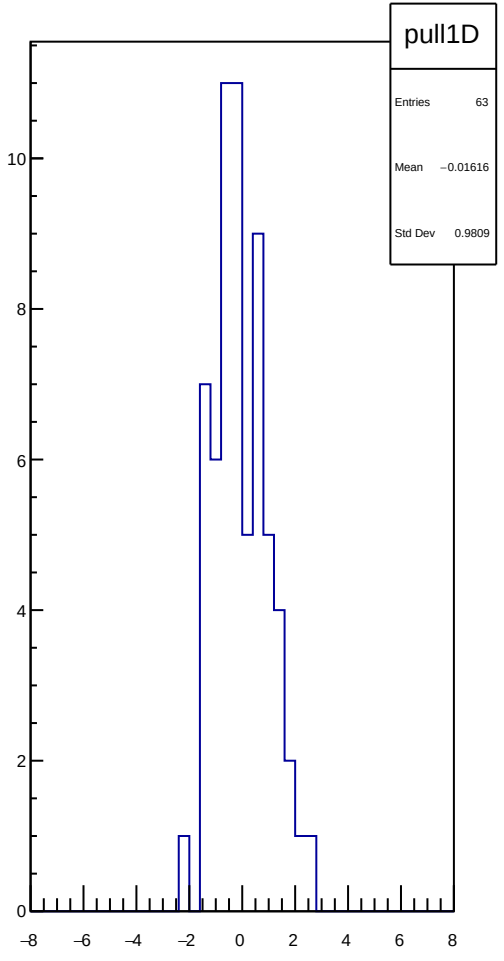

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1.326e+04 / 62
p0 1836 ± 1.678
5500
5000
4500
4000
3500
3000
2500
2000
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

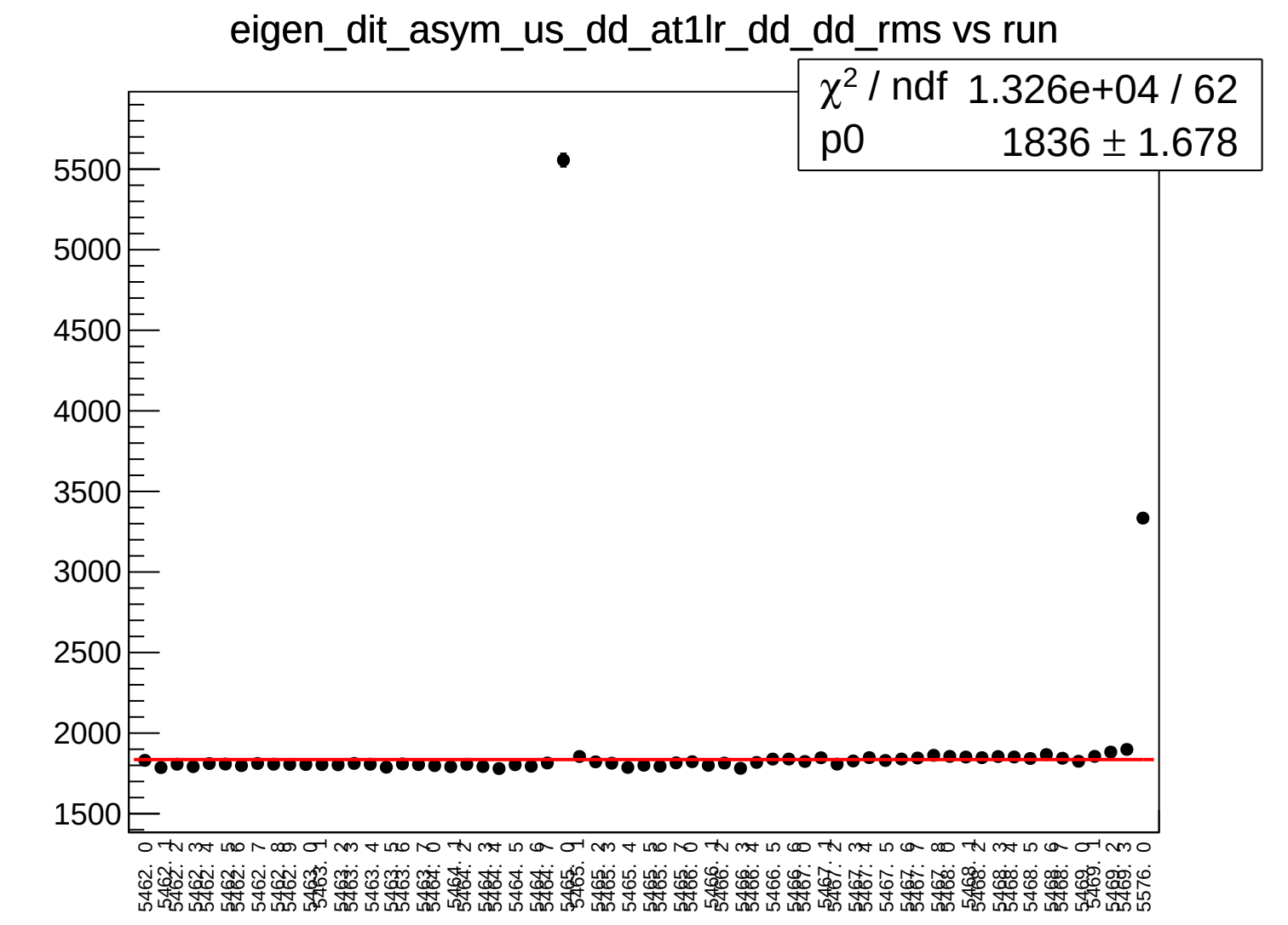

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 78.98 / 62
p0 −1100 ± 4289
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 220.3
Std Dev 0
2
1
0
−1
−2
−3

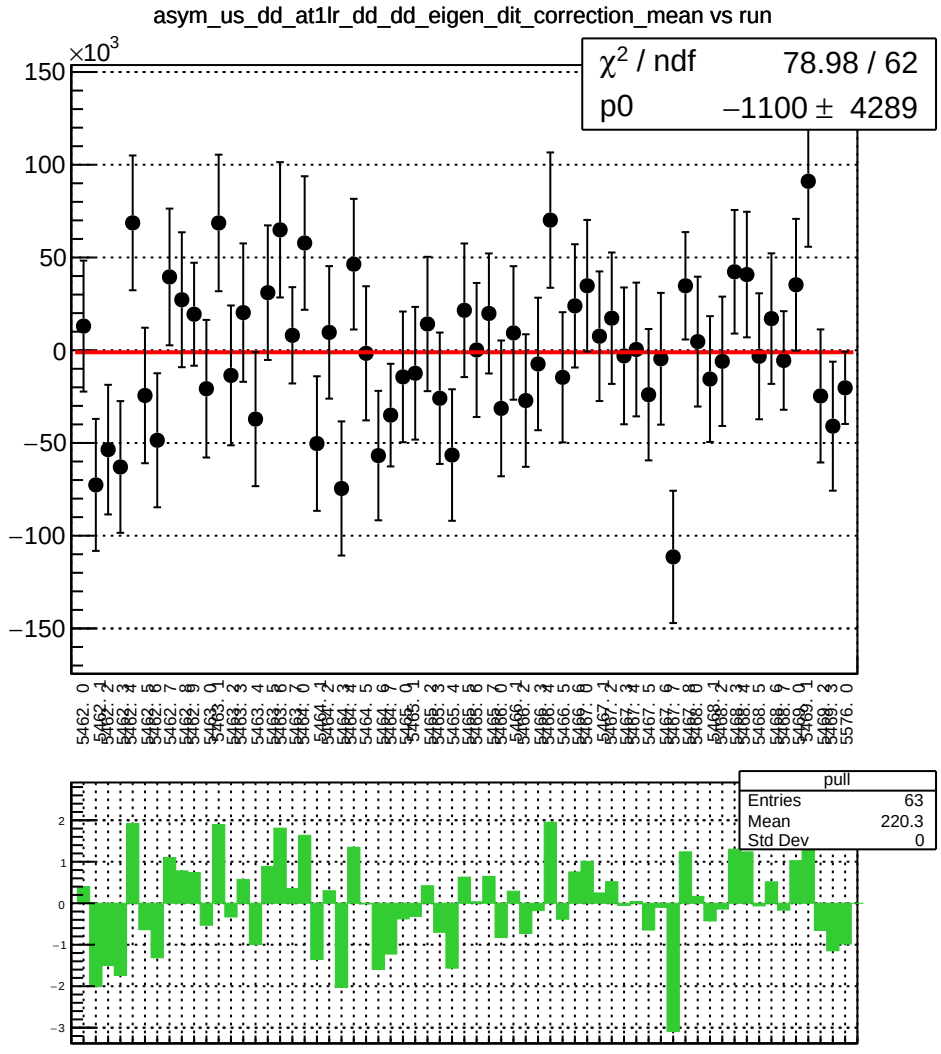

pull1D
Entries 63
Mean 0.008679
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

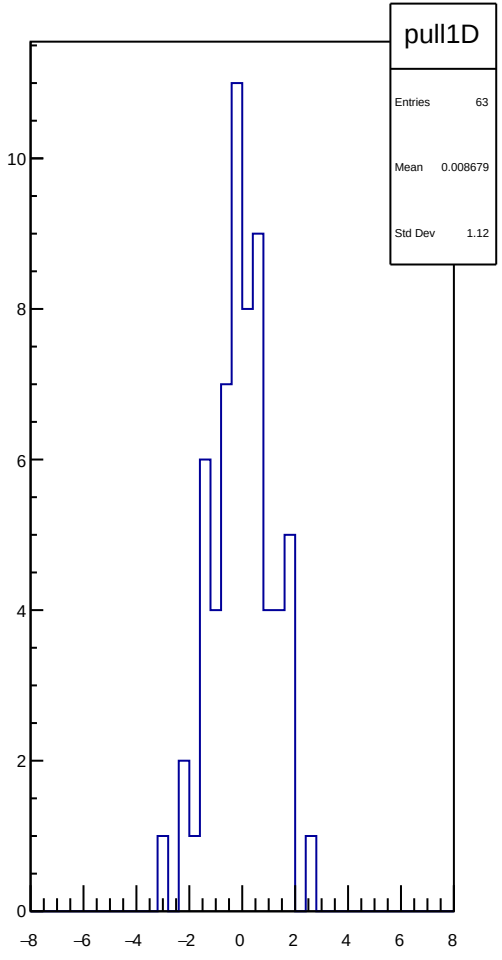

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 8346 / 62
p0 3326 ± 3.033
3600
3400
3200
3000
2800
2600
2400
2200
2000

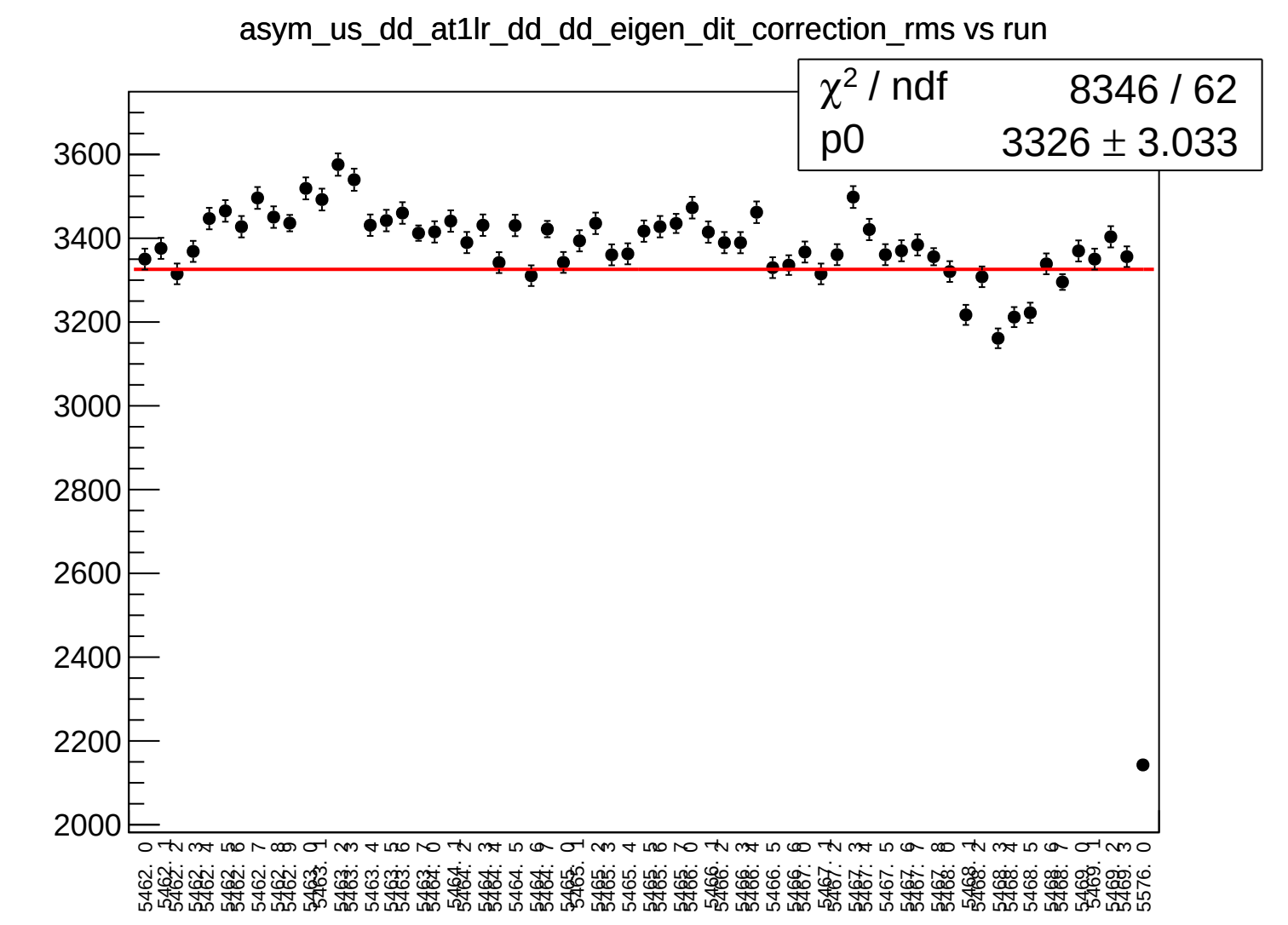

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 60.64 / 62
p0 −1551 ± 2373
pull
Entries 63
Mean −12.19
Std Dev 0

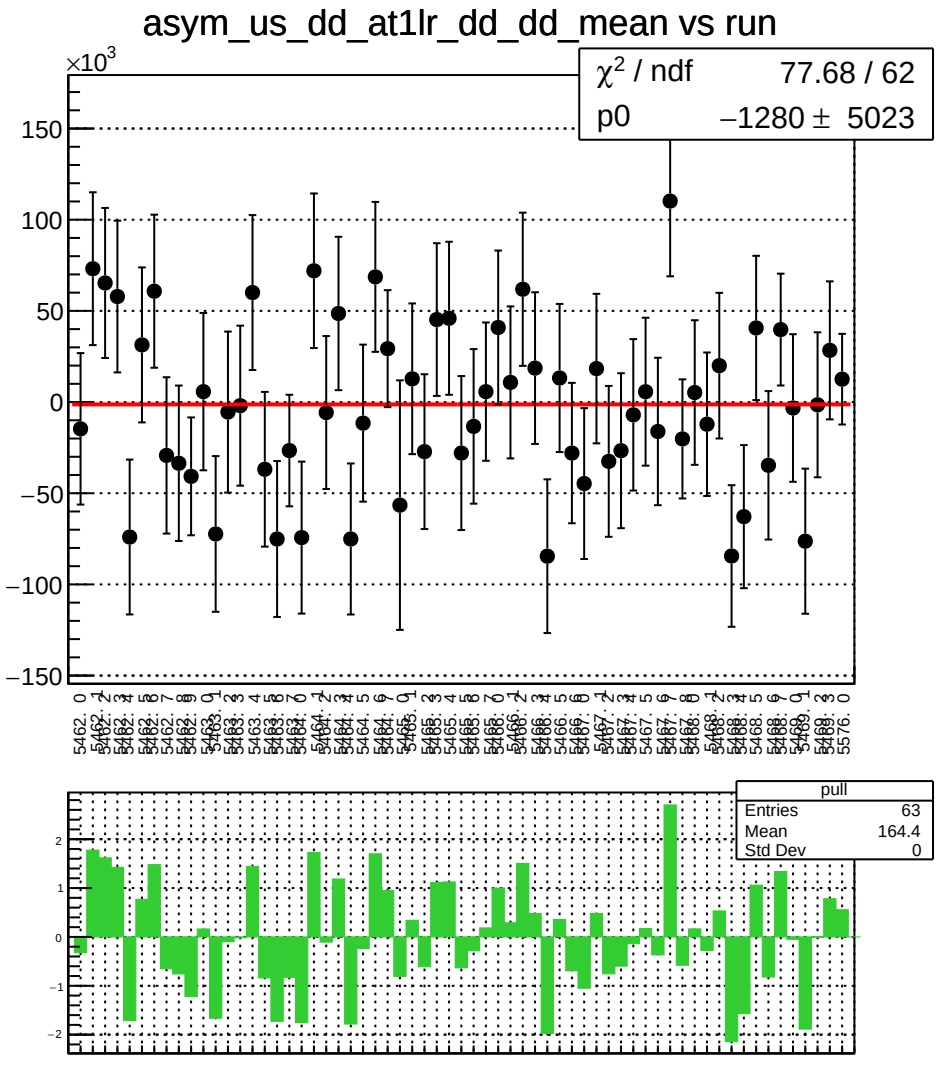

pull1D
Entries 63
Mean −0.01616
Std Dev 0.9809

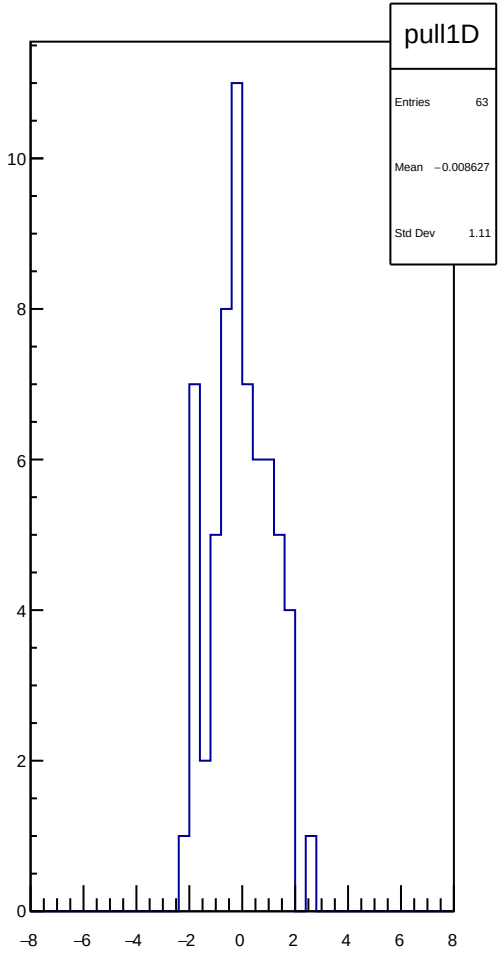

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1.326e+04 / 62
p0 1836 ± 1.678
5500
5000
4500
4000
3500
3000
2500
2000
1500

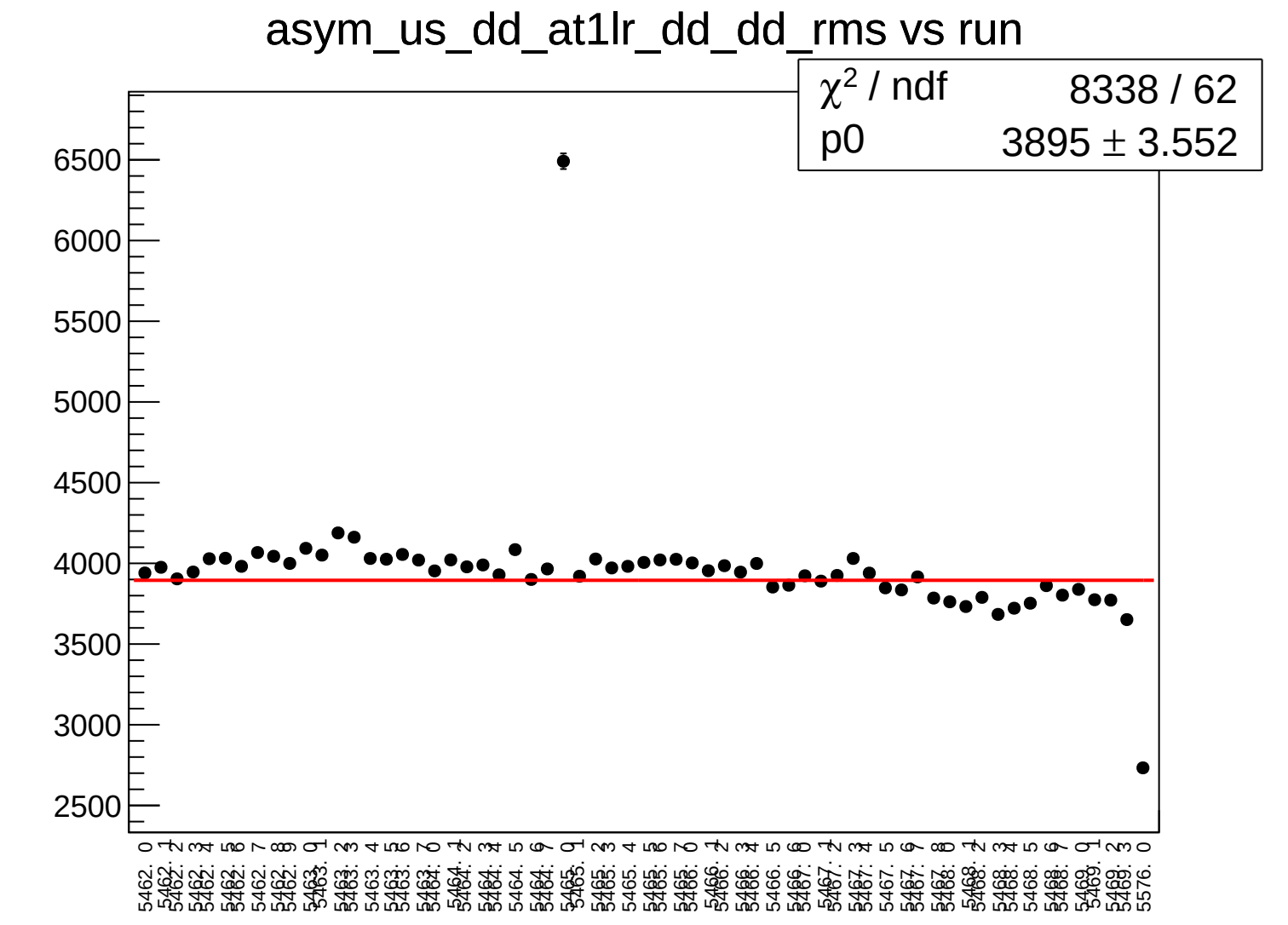

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.98 / 62
p0 −1100 ± 4289
pull
Entries 63
Mean 220.3
Std Dev 0

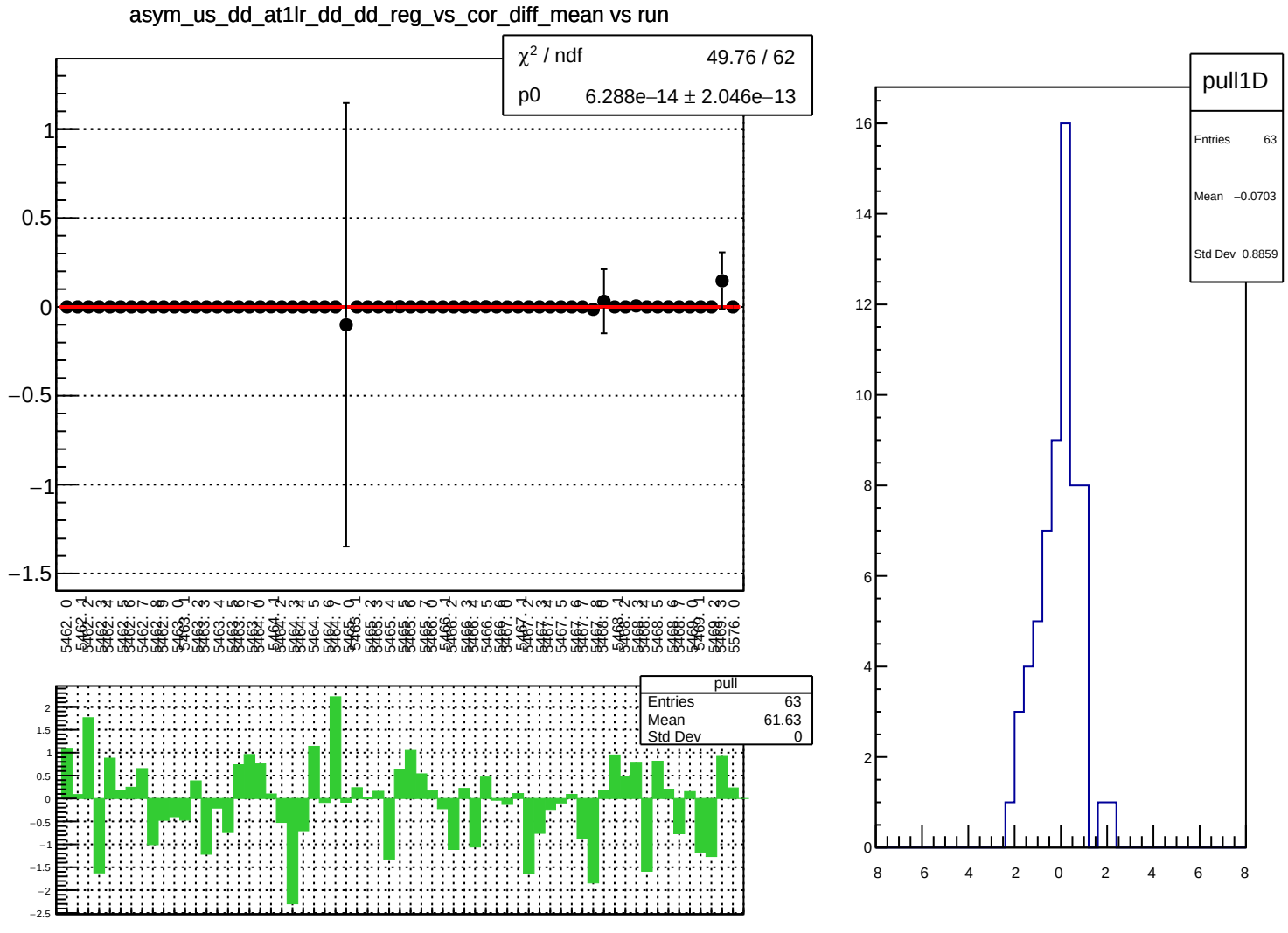

pull1D
Entries 63
Mean 0.008679
Std Dev 1.12

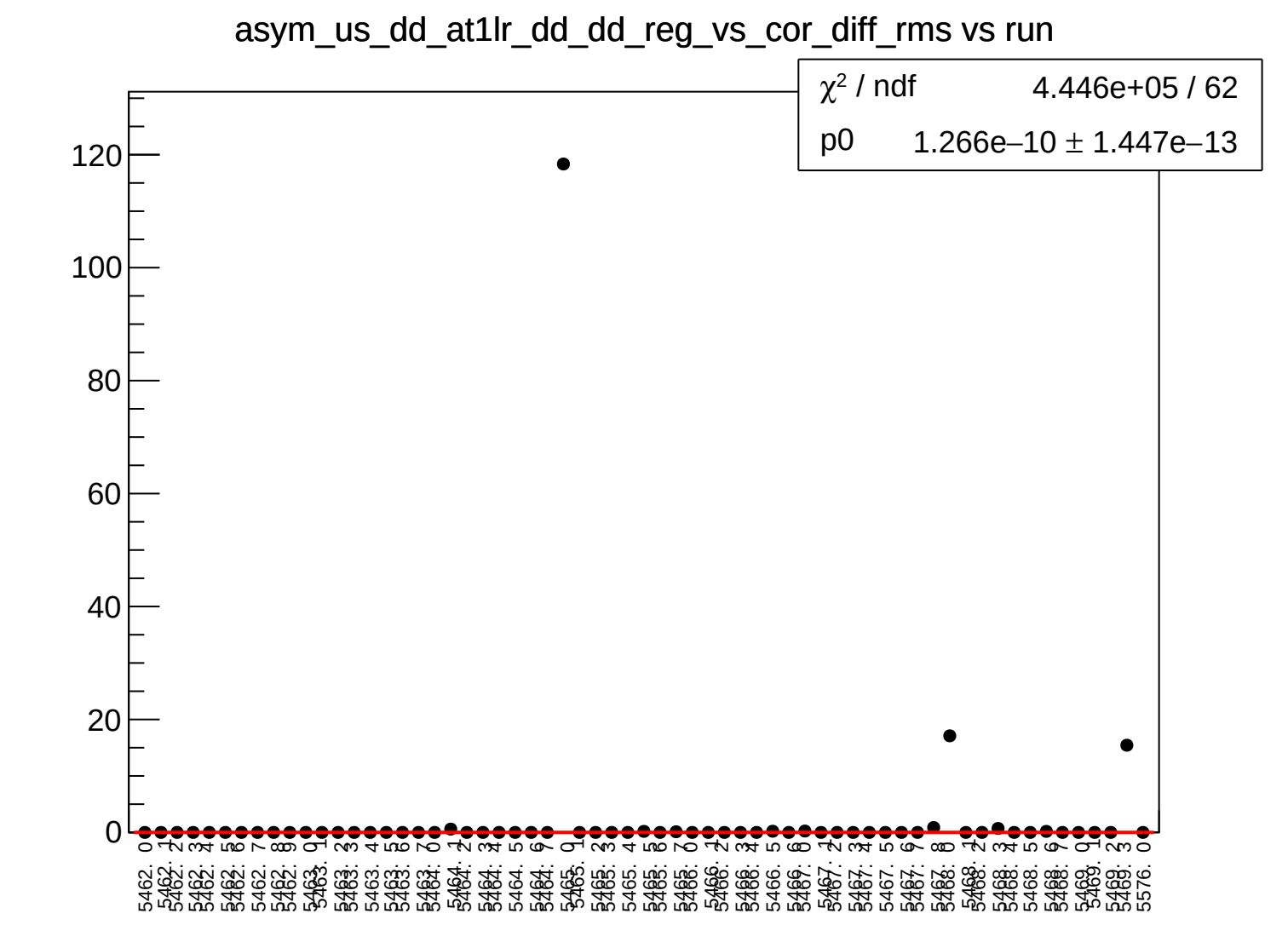

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 8346 / 62
p0 3326 ± 3.033
3600
3400
3200
3000
2800
2600
2400
2200
2000

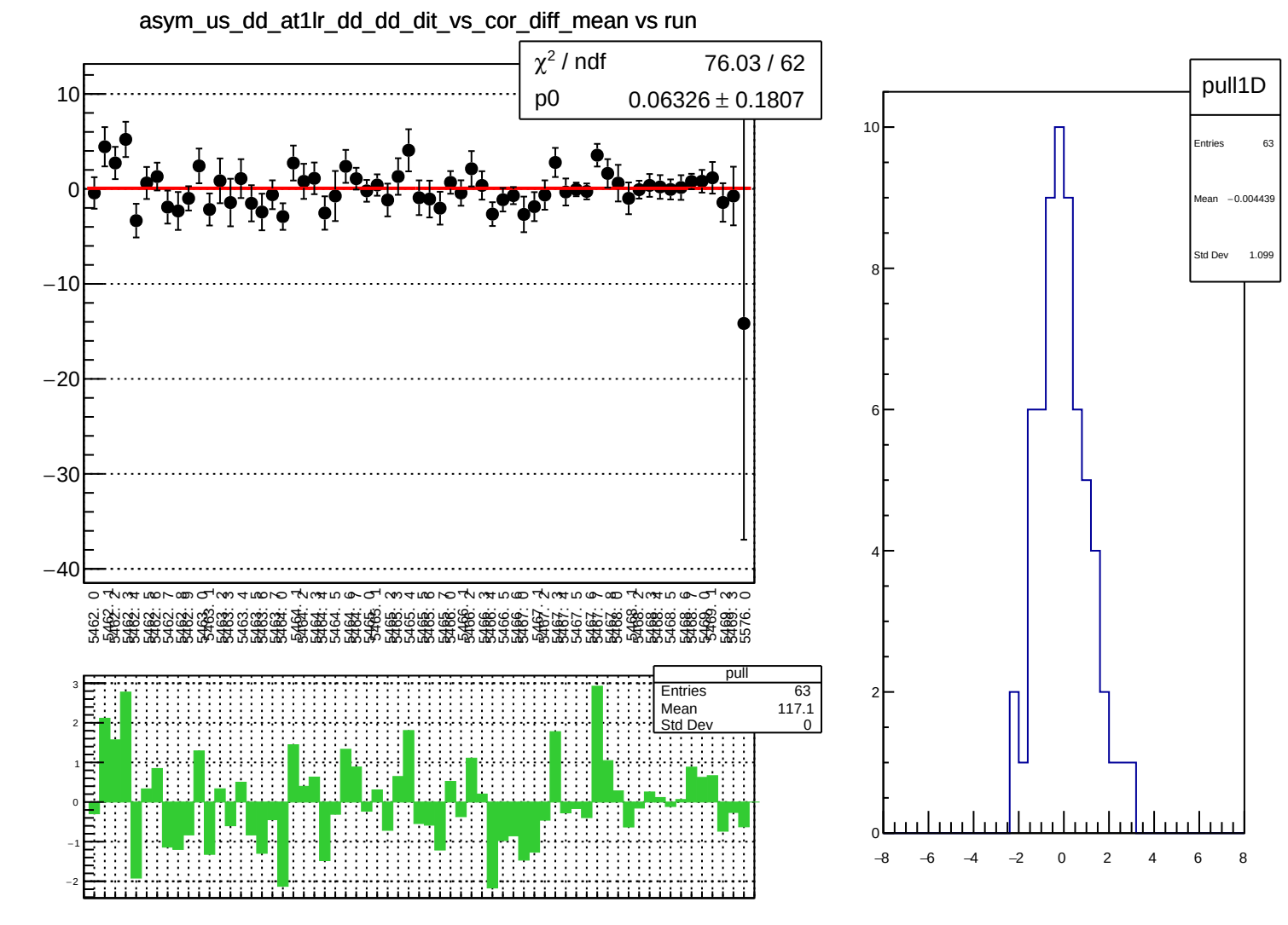

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 77.68 / 62
p0 −1280 ± 5023
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 164.4
Std Dev 0
2
1
0
−1
−2

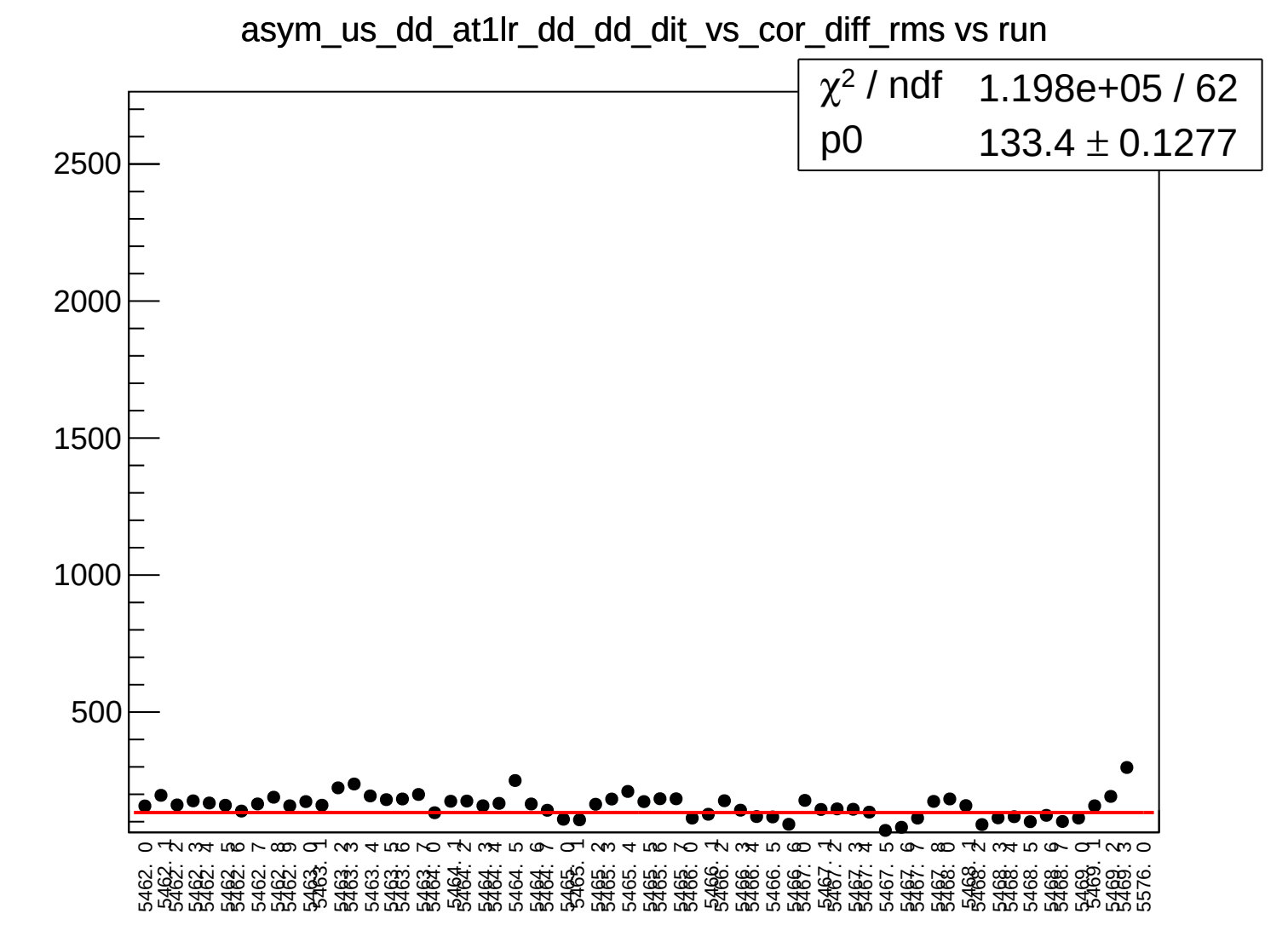

pull1D
Entries 63
Mean −0.008627
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

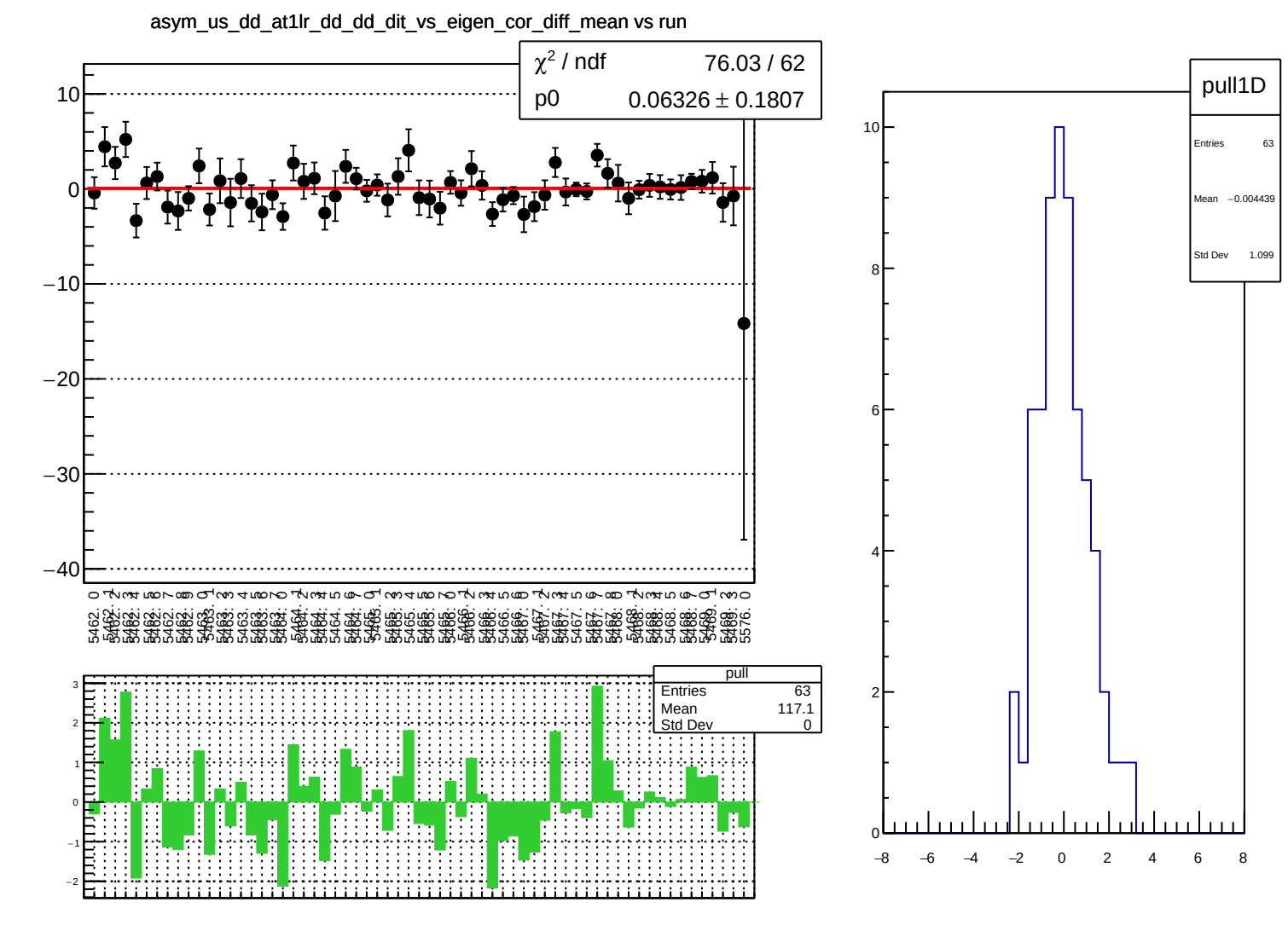

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 8338 / 62
p0 3895 ± 3.552
6500
6000
5500
5000
4500
4000
3500
3000
2500

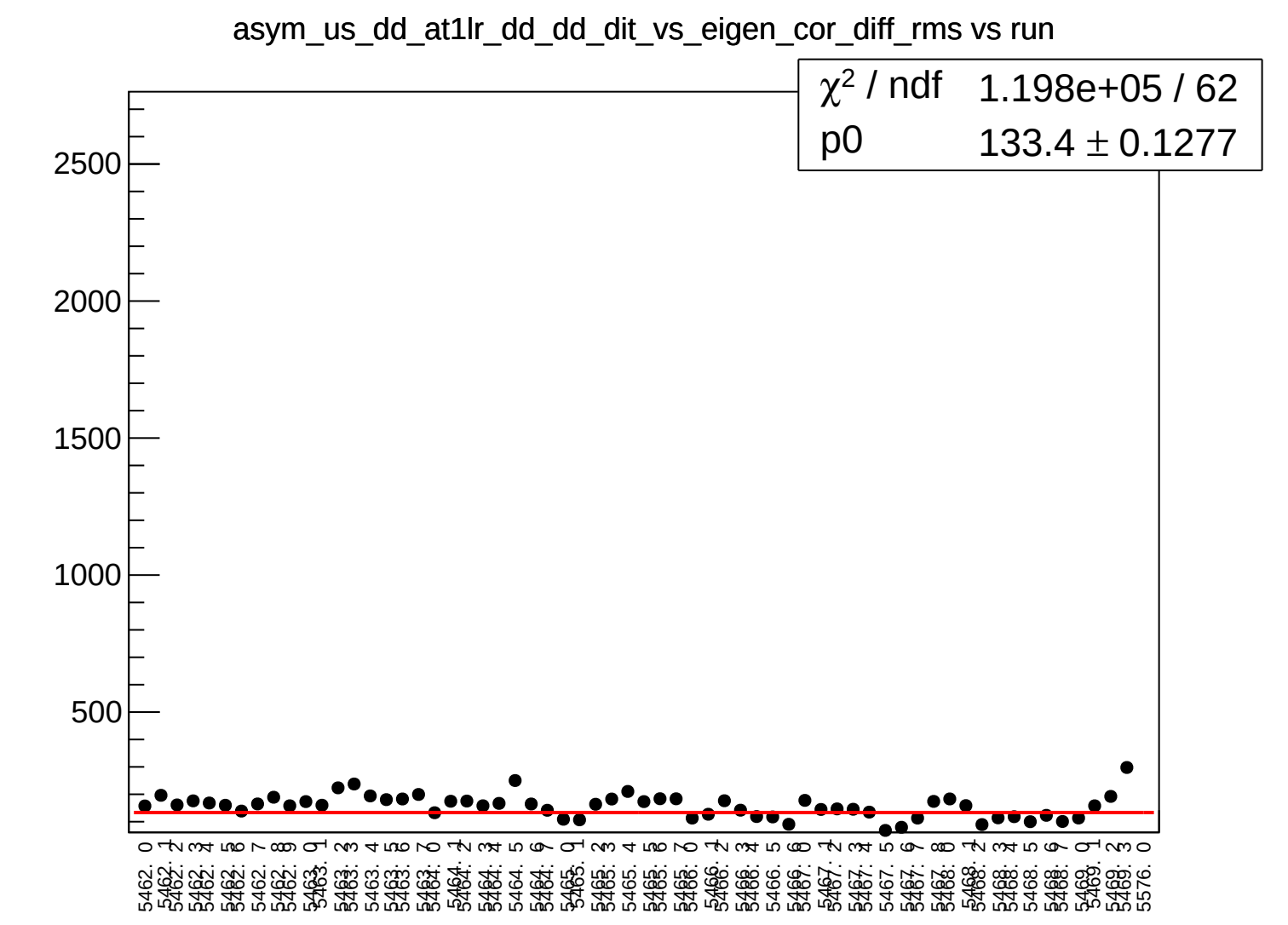

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.76 / 62
p0 6.288e−14 ± 2.046e−13
pull
Entries 63
Mean 61.63
Std Dev 0
pull1D
Entries 63
Mean −0.0703
Std Dev 0.8859

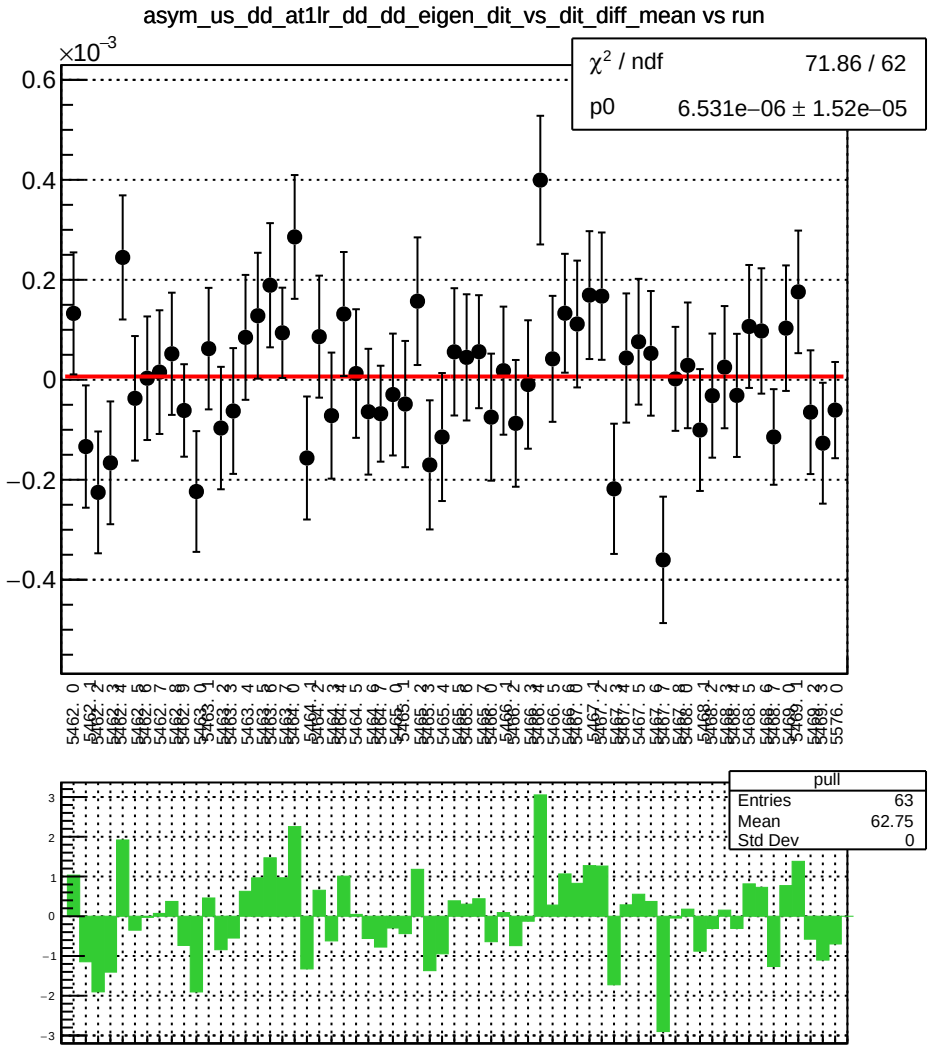

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.446e+05 / 62
p0 1.266e−10 ± 1.447e−13
120
100
80
60
40
20
0

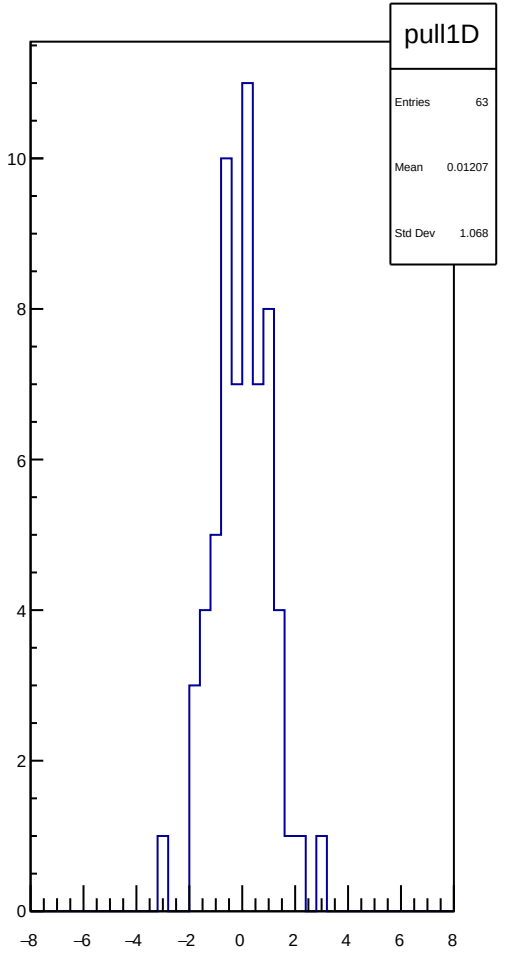

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.03 / 62
p0 0.06326 ± 0.1807
pull
Entries 63
Mean 117.1
Std Dev 0
pull1D
Entries 63
Mean −0.004439
Std Dev 1.099

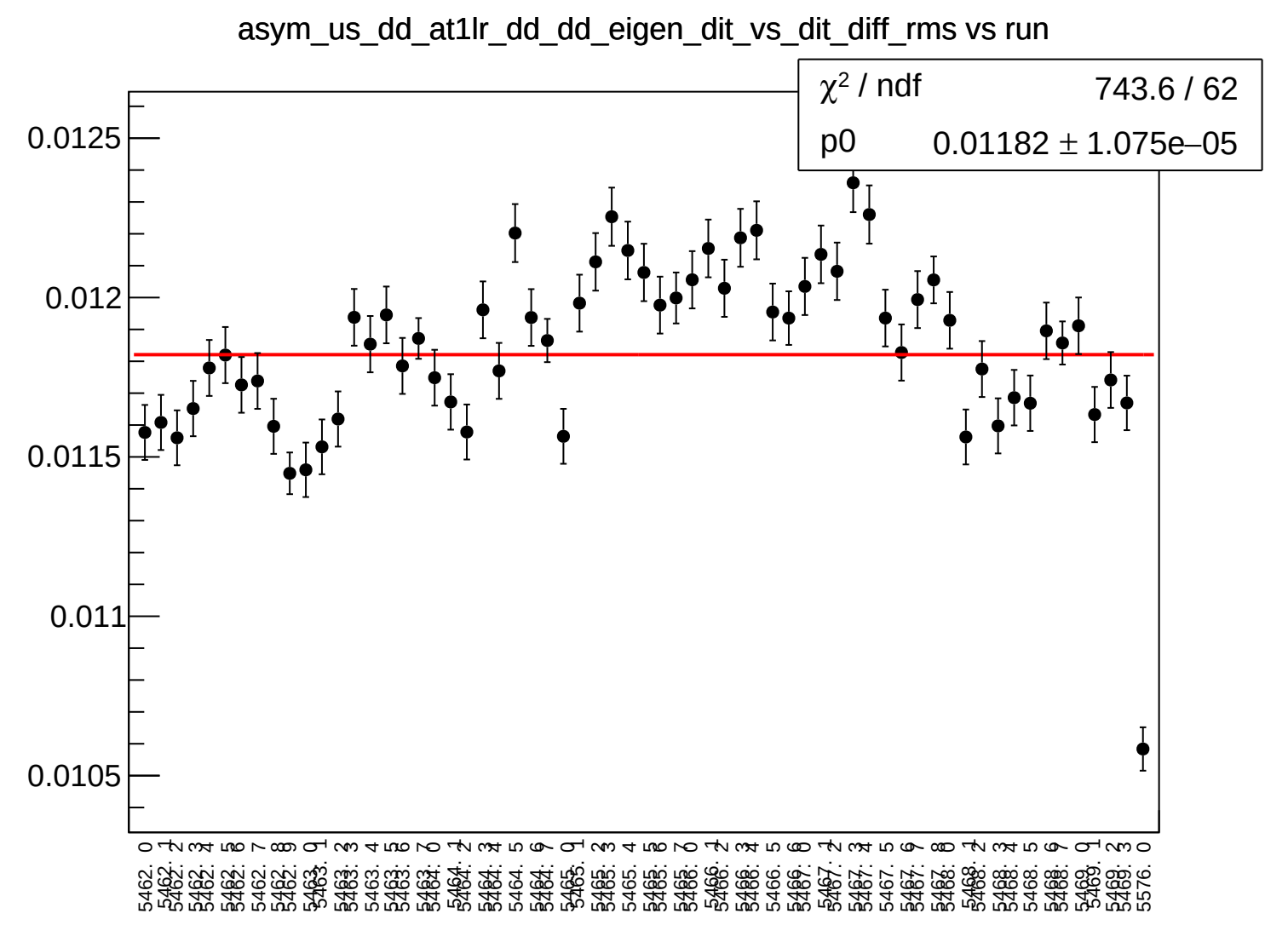

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 62
p0 133.4 ± 0.1277
2500
2000
1500
1000
500

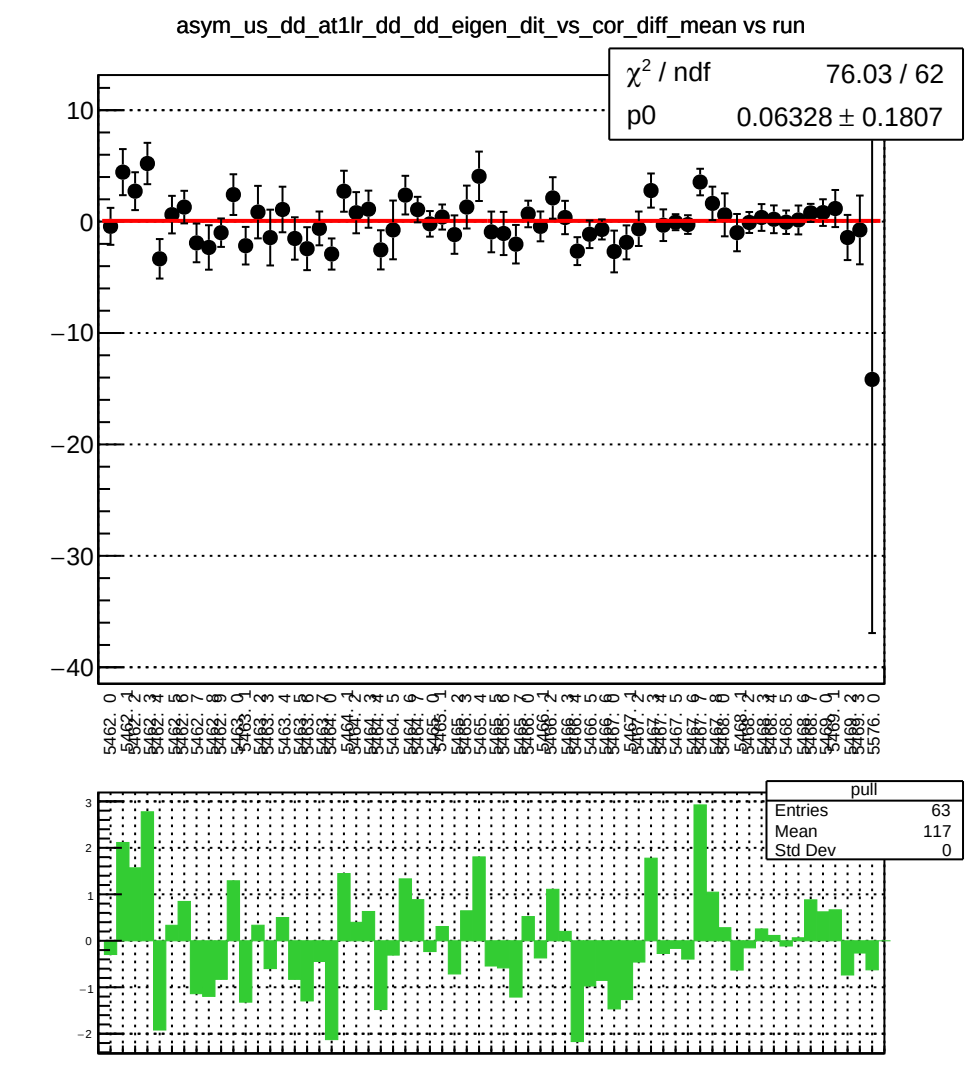

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.03 / 62
p0 0.06326 ± 0.1807
pull
Entries 63
Mean 117.1
Std Dev 0
pull1D
Entries 63
Mean −0.004439
Std Dev 1.099

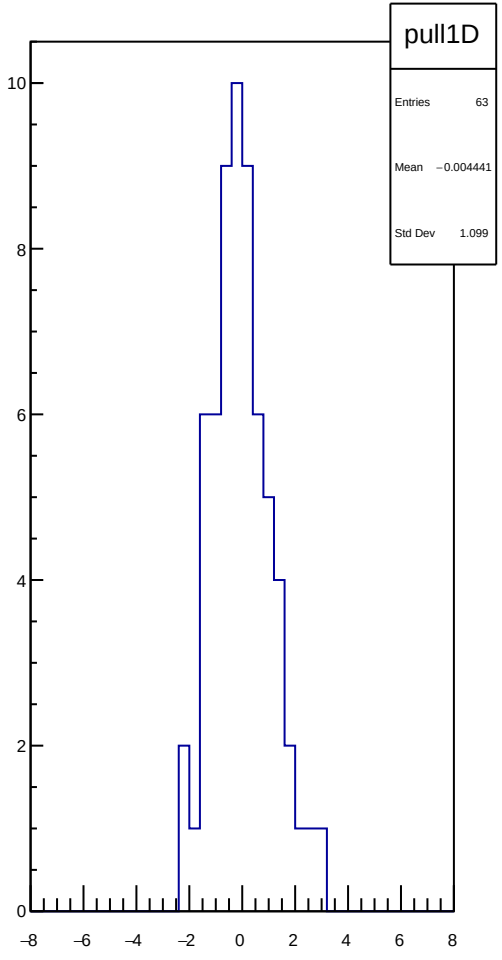

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 62
p0 133.4 ± 0.1277
2500
2000
1500
1000
500

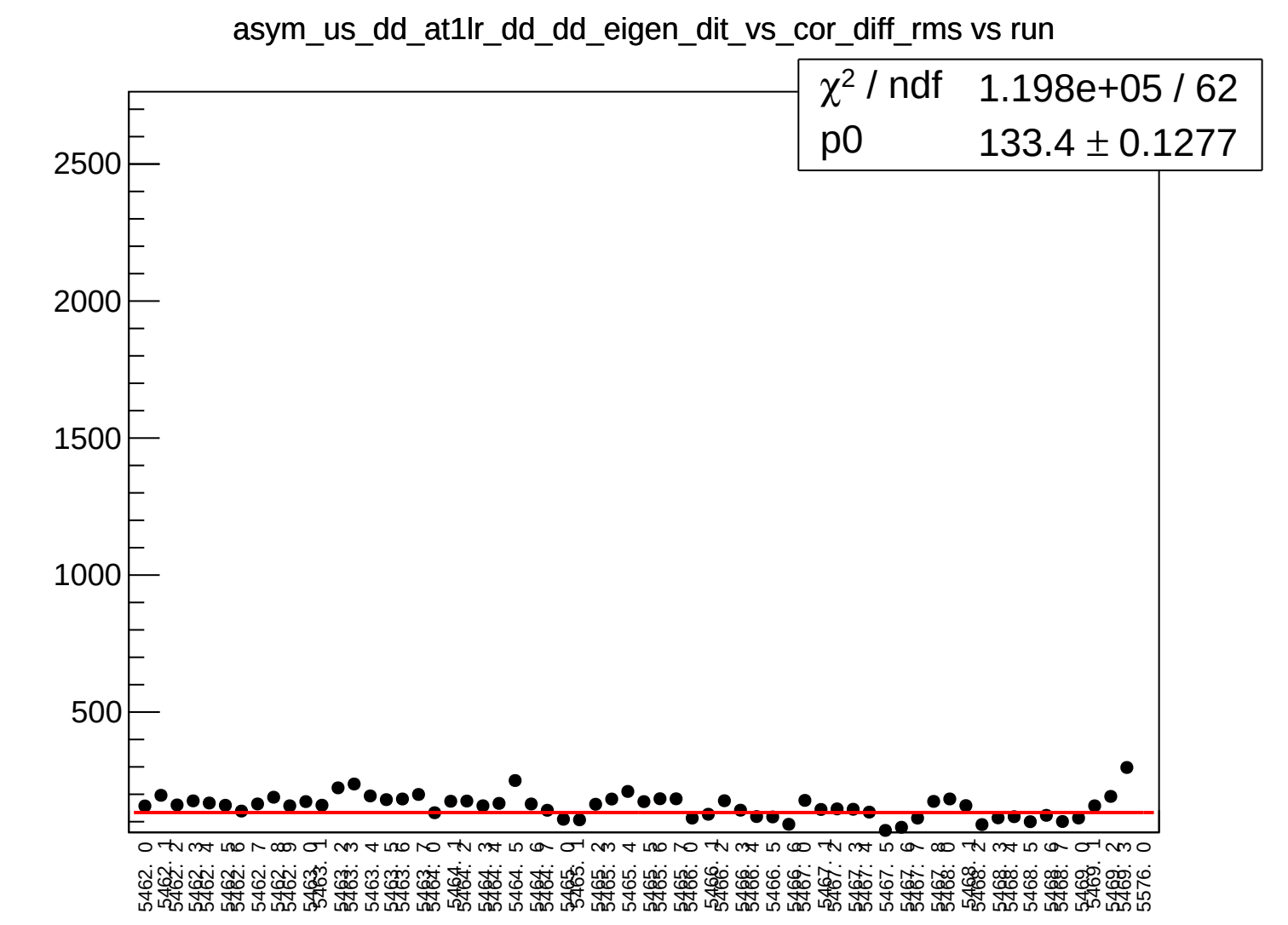

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.86 / 62
p0 6.531e−06 ± 1.52e−05
pull
Entries 63
Mean 62.75
Std Dev 0

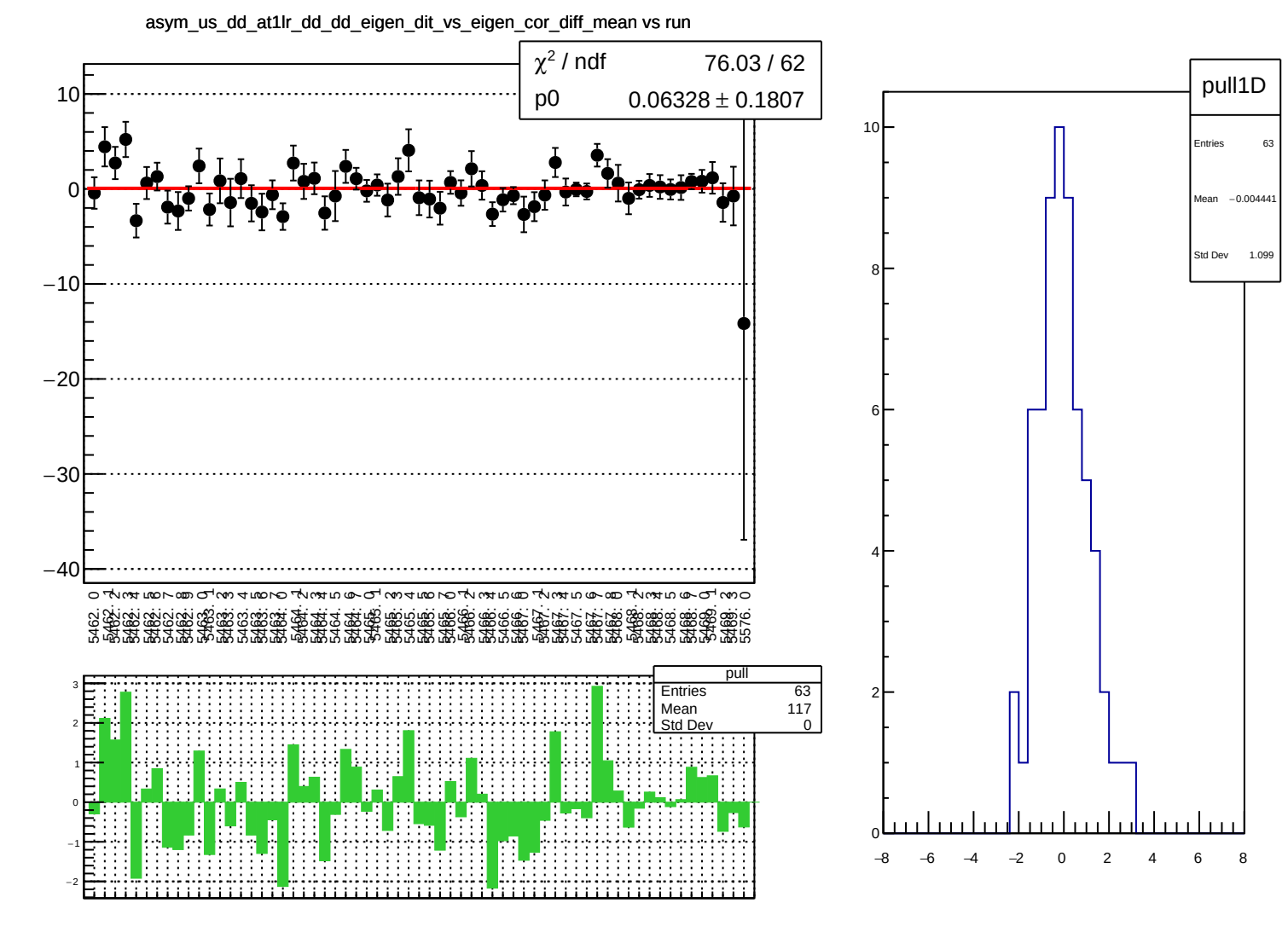

pull1D
Entries 63
Mean 0.01207
Std Dev 1.068

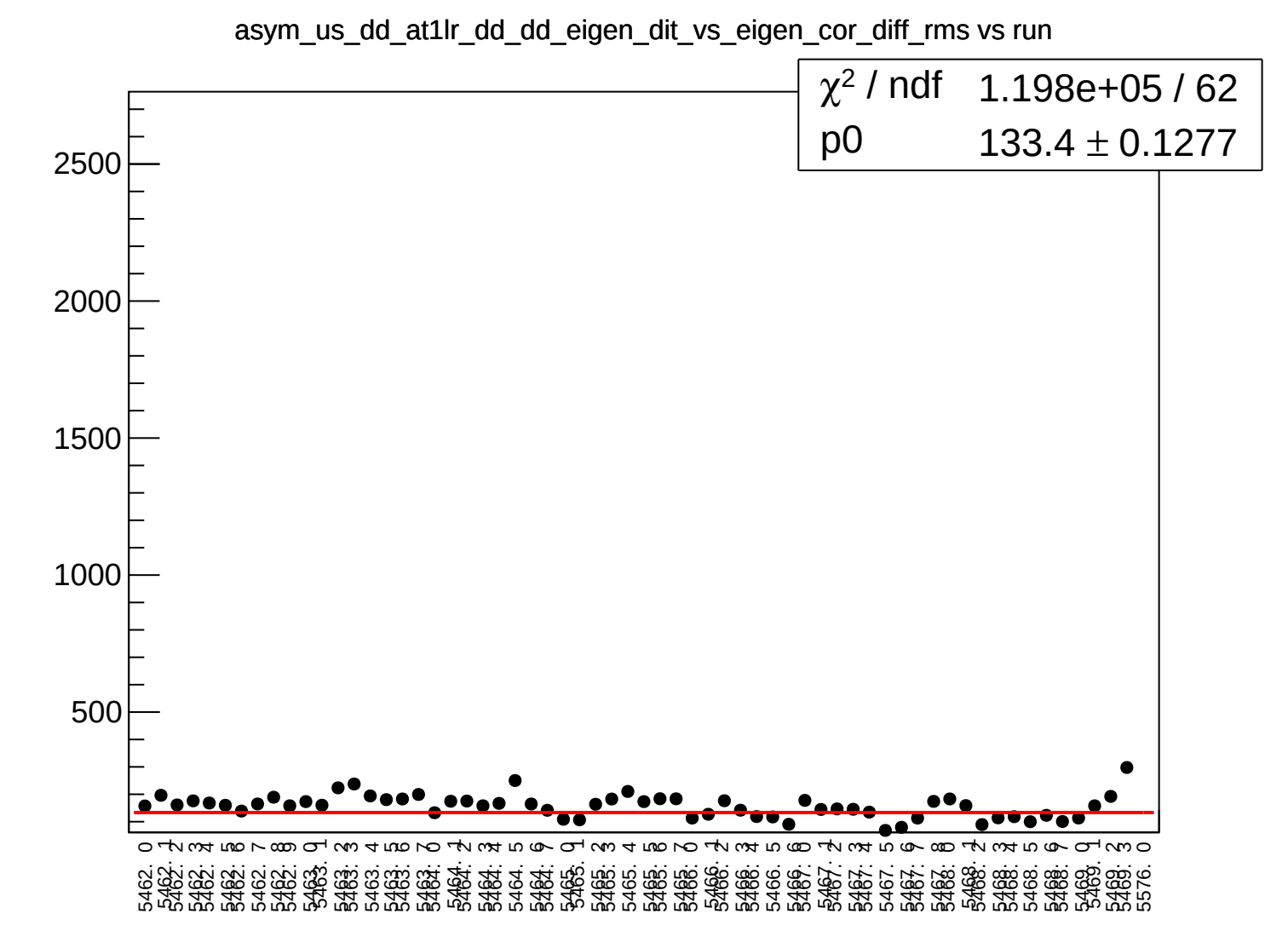

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 743.6 / 62
p0 0.01182 ± 1.075e−05
0.0125
0.012
0.0115
0.011
0.0105
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

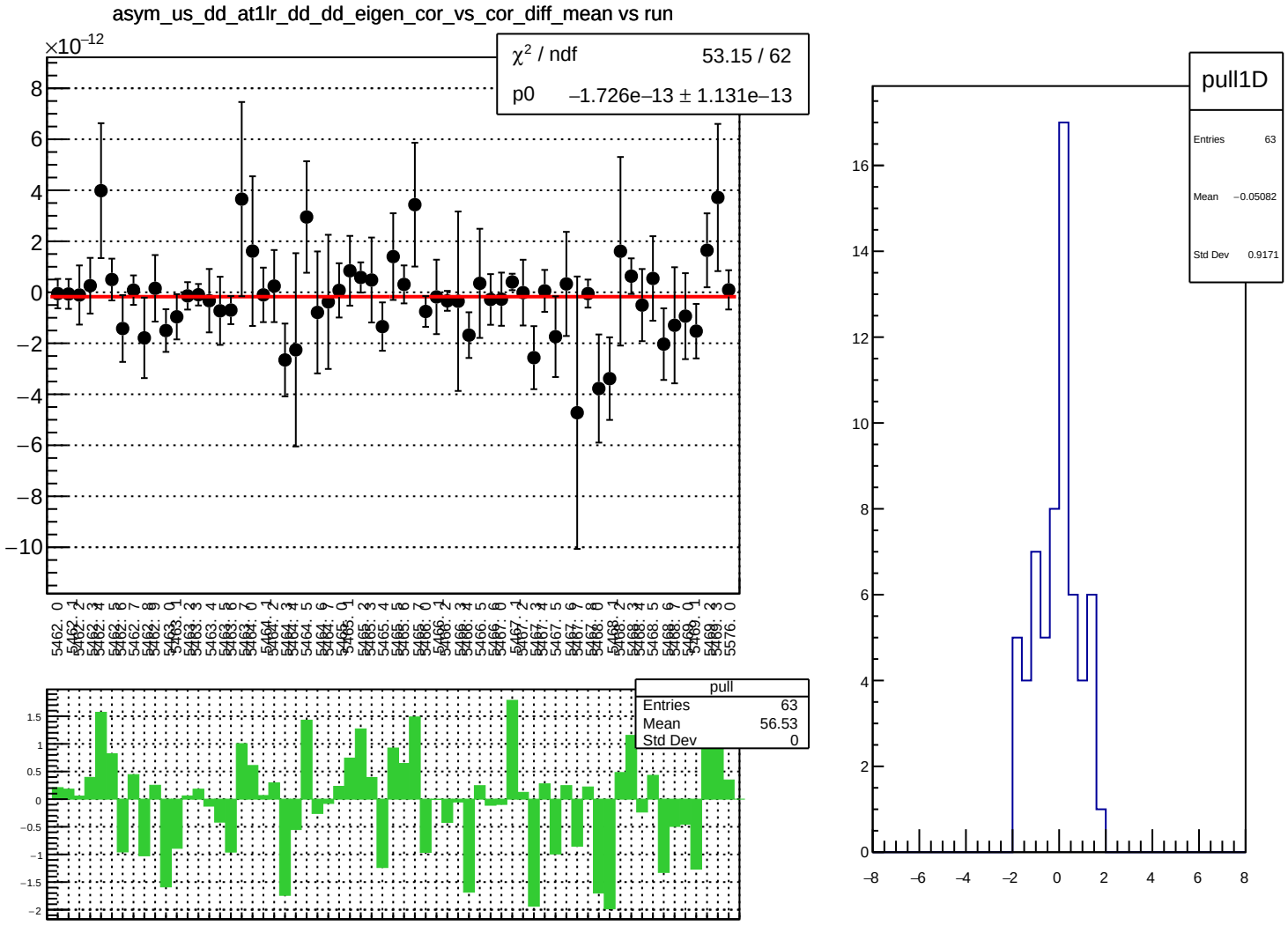

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.03 / 62
p0 0.06328 ± 0.1807
pull
Entries 63
Mean 117
Std Dev 0

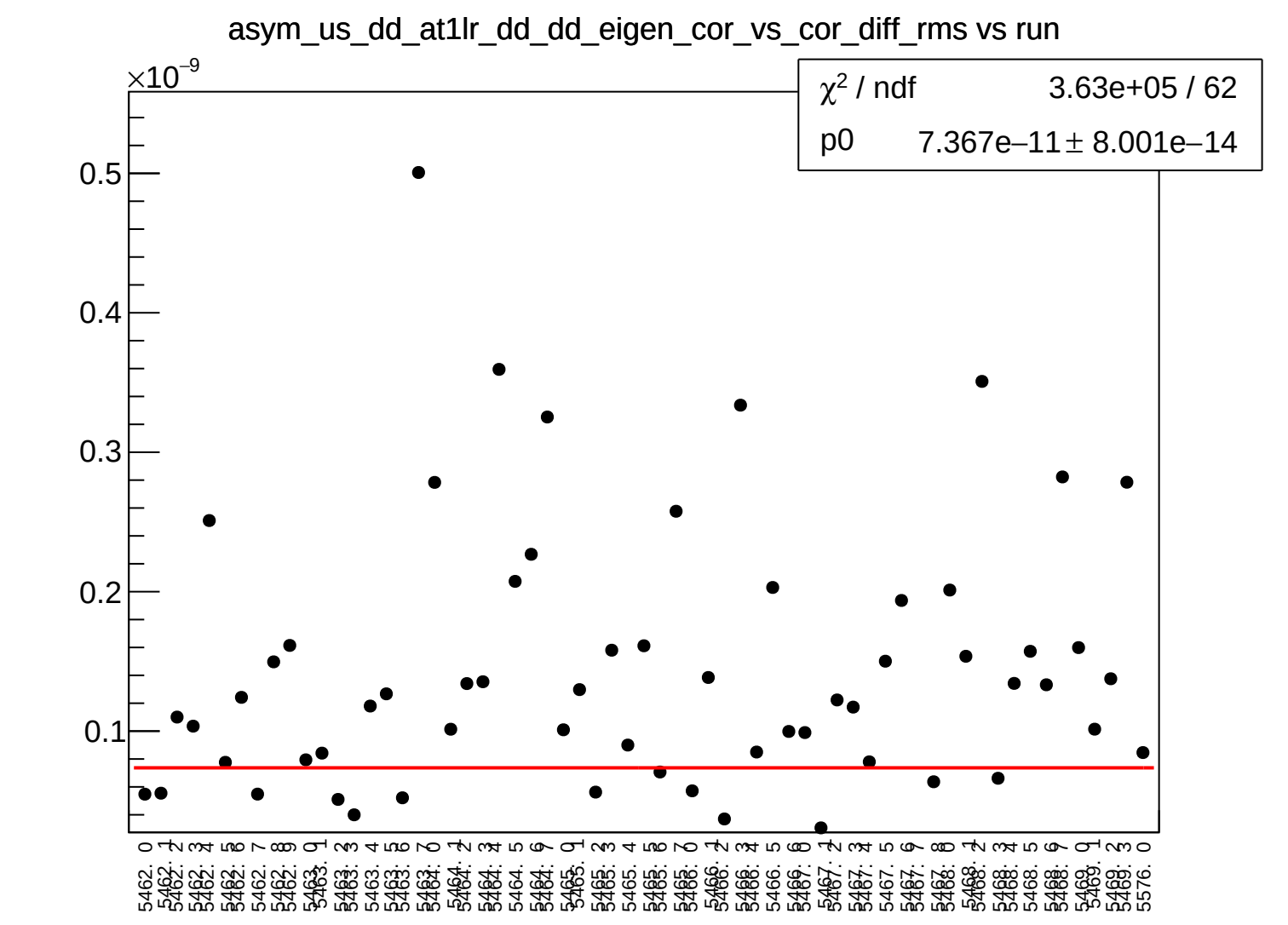

pull1D
Entries 63
Mean −0.004441
Std Dev 1.099

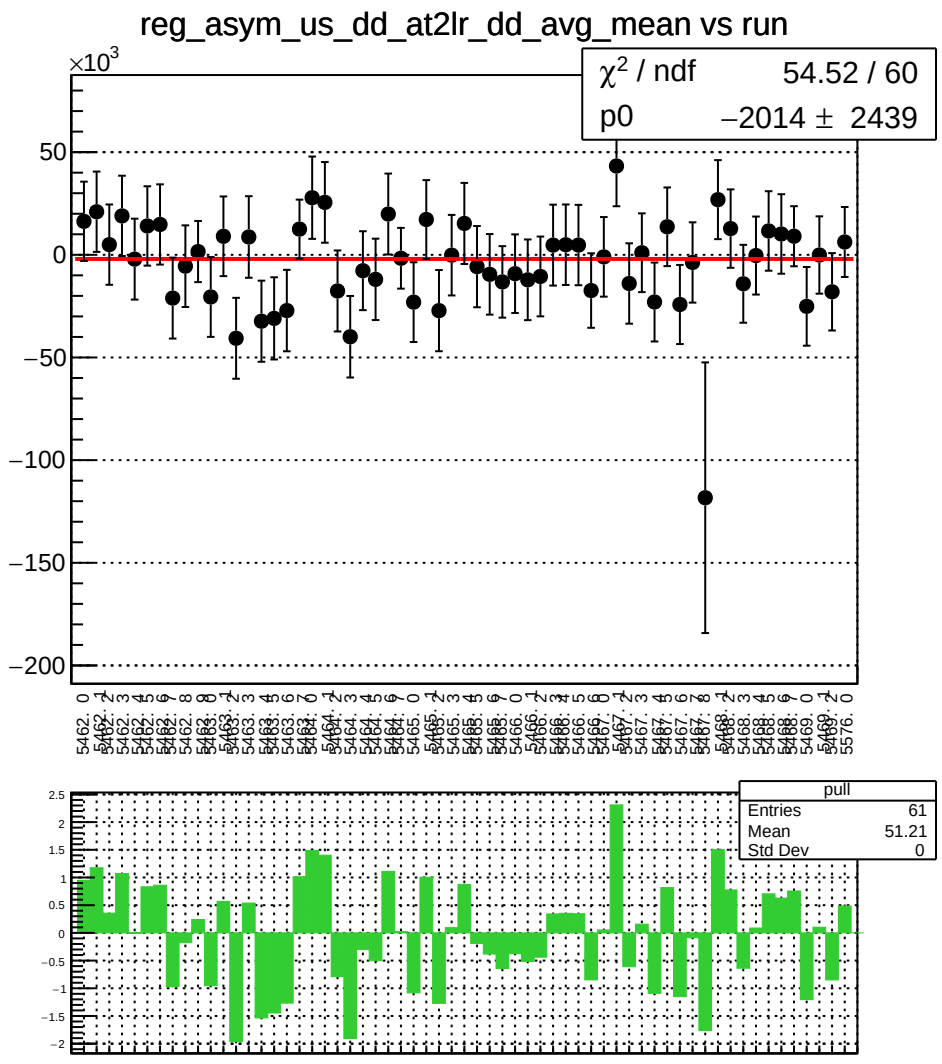

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 62
p0 133.4 ± 0.1277
2500
2000
1500
1000
500

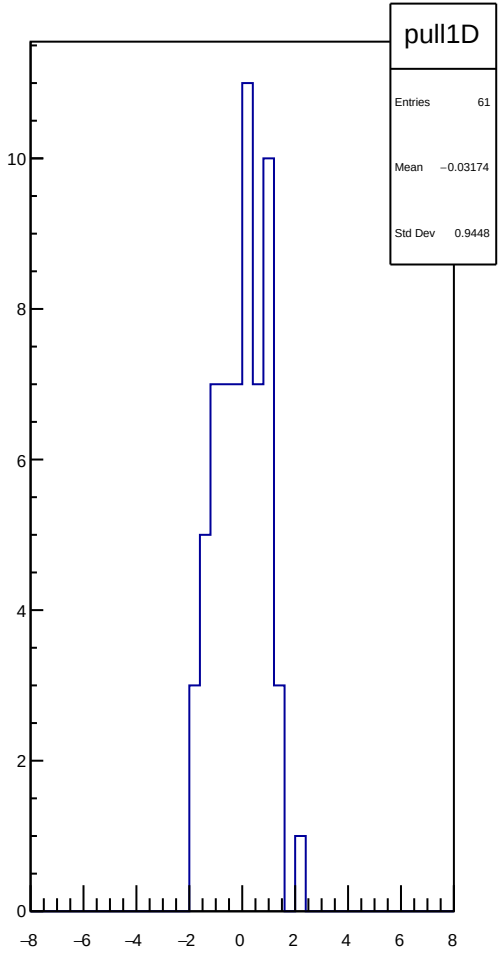

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.03 / 62
p0 0.06328 ± 0.1807
pull
Entries 63
Mean 117
Std Dev 0
pull1D
Entries 63
Mean −0.004441
Std Dev 1.099

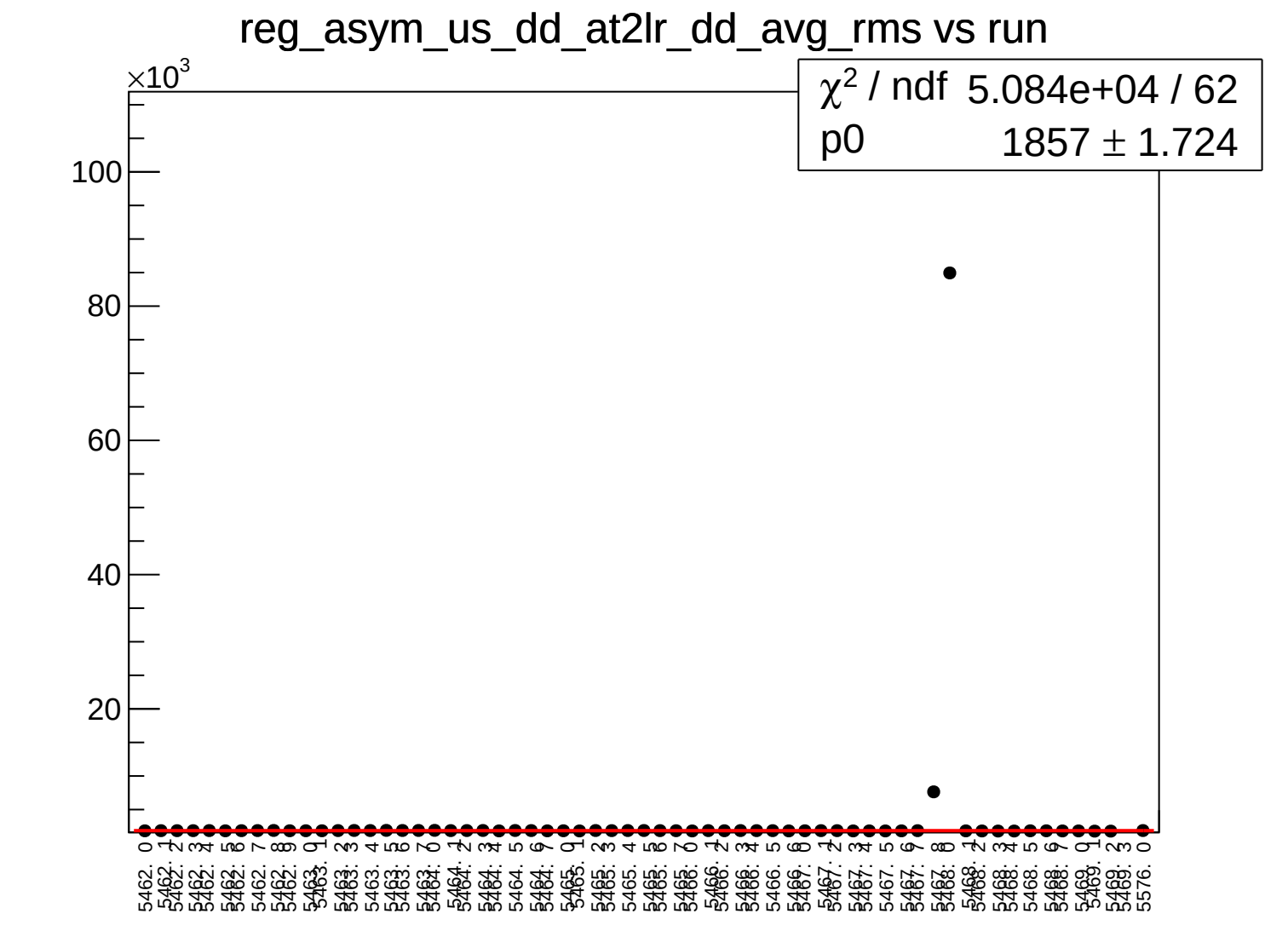

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 62
p0 133.4 ± 0.1277
2500
2000
1500
1000
500

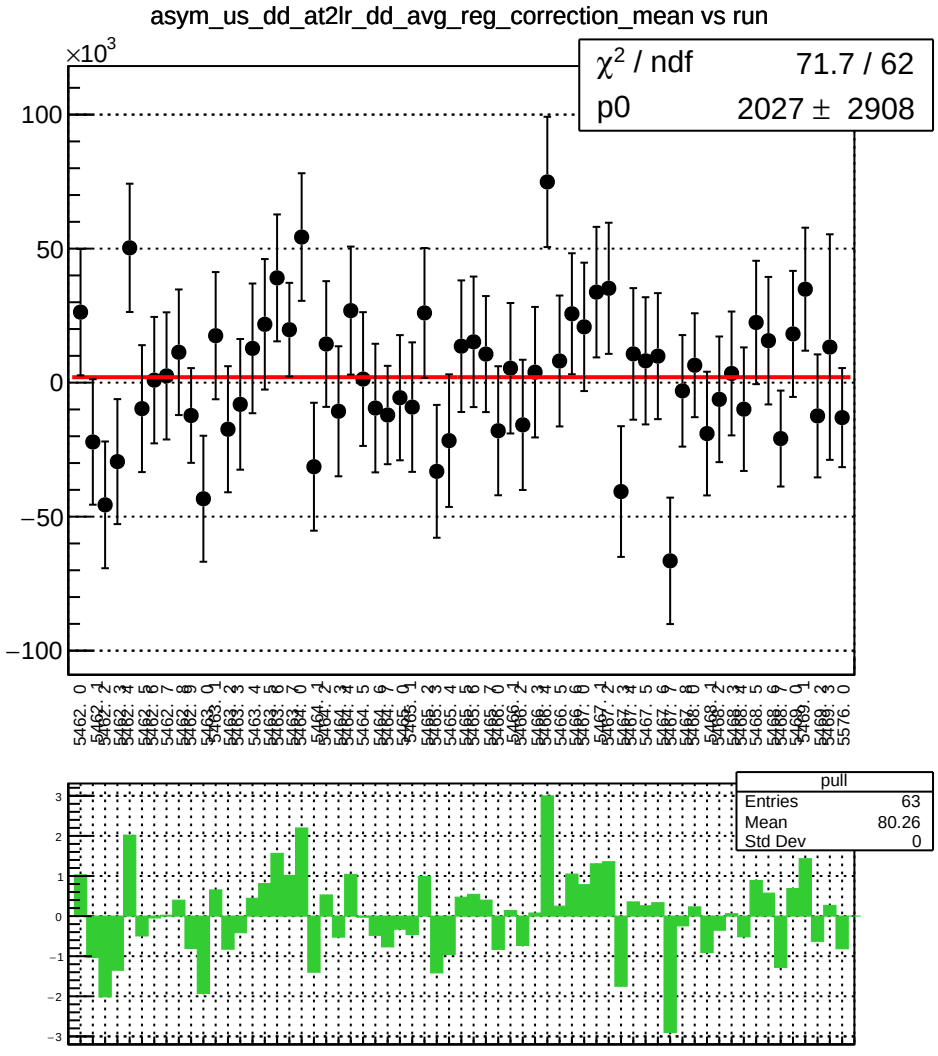

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.15 / 62
p0 −1.726e−13 ± 1.131e−13
pull
Entries 63
Mean 56.53
Std Dev 0
pull1D
Entries 63
Mean −0.05082
Std Dev 0.9171

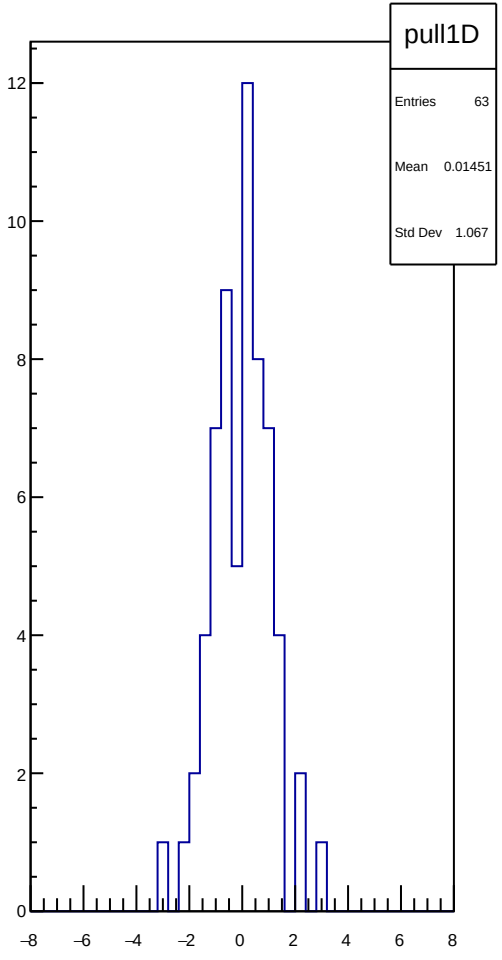

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.63e+05 / 62
p0 7.367e−11 ± 8.001e−14
0.5
0.4
0.3
0.2
0.1

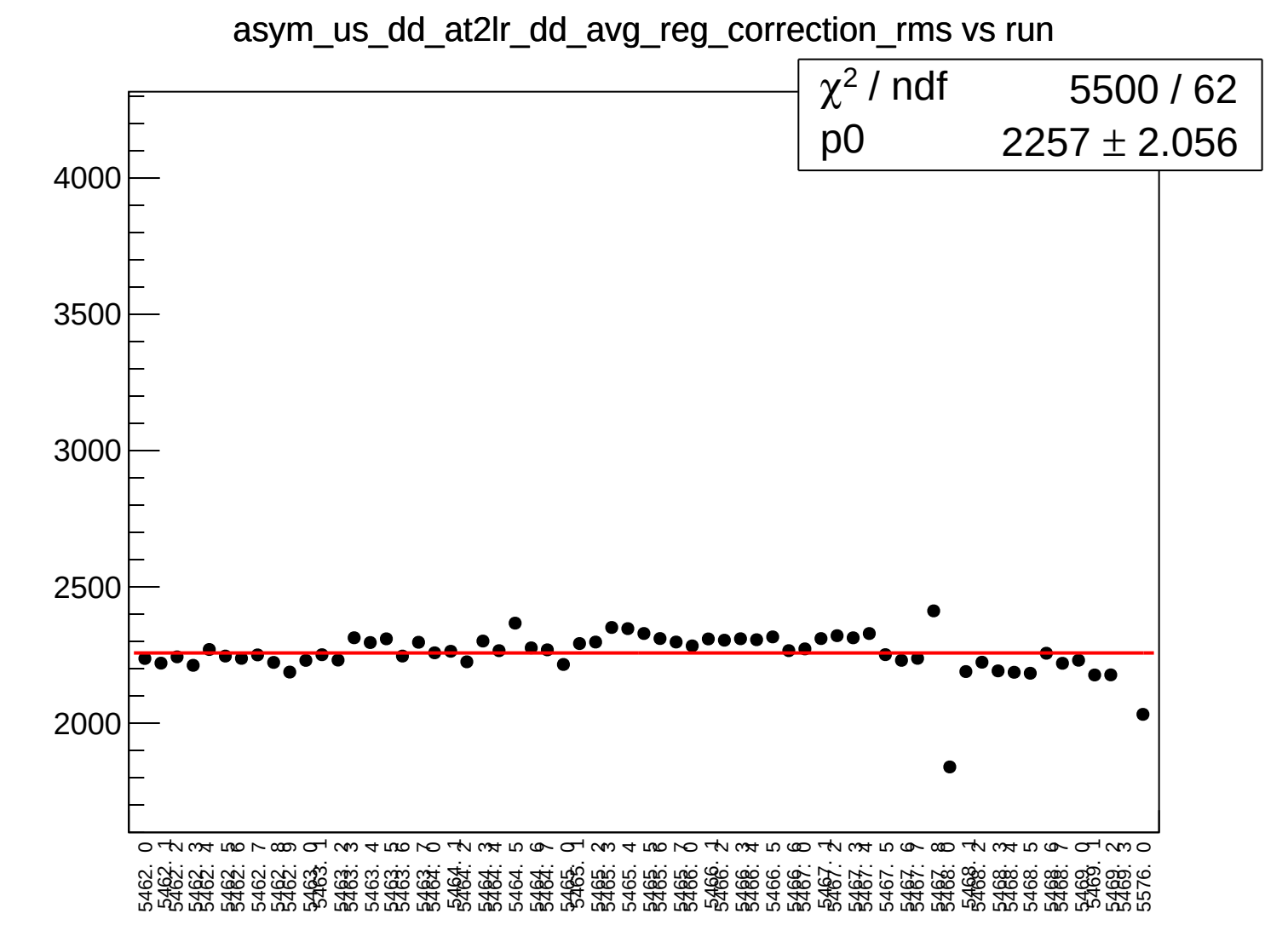

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 54.52 / 60
p0 −2014 ± 2439
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 51.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

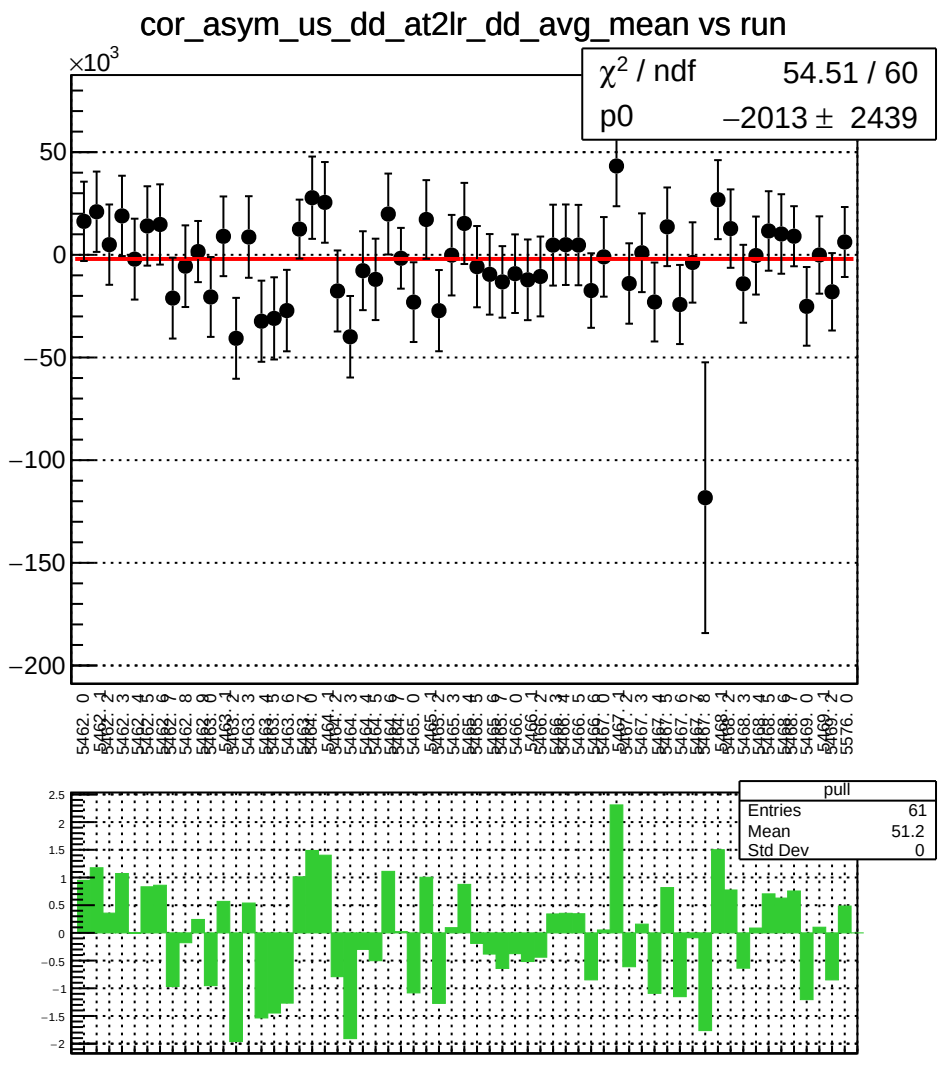

pull1D
Entries 61
Mean −0.03174
Std Dev 0.9448
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

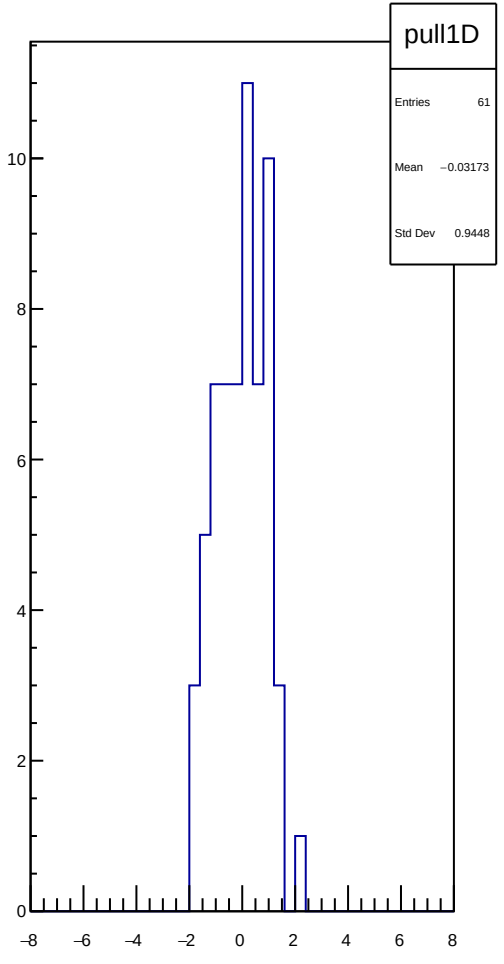

reg_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ² / ndf 5.084e+04 / 62
p0 1857 ± 1.724
100
80
60
40
20

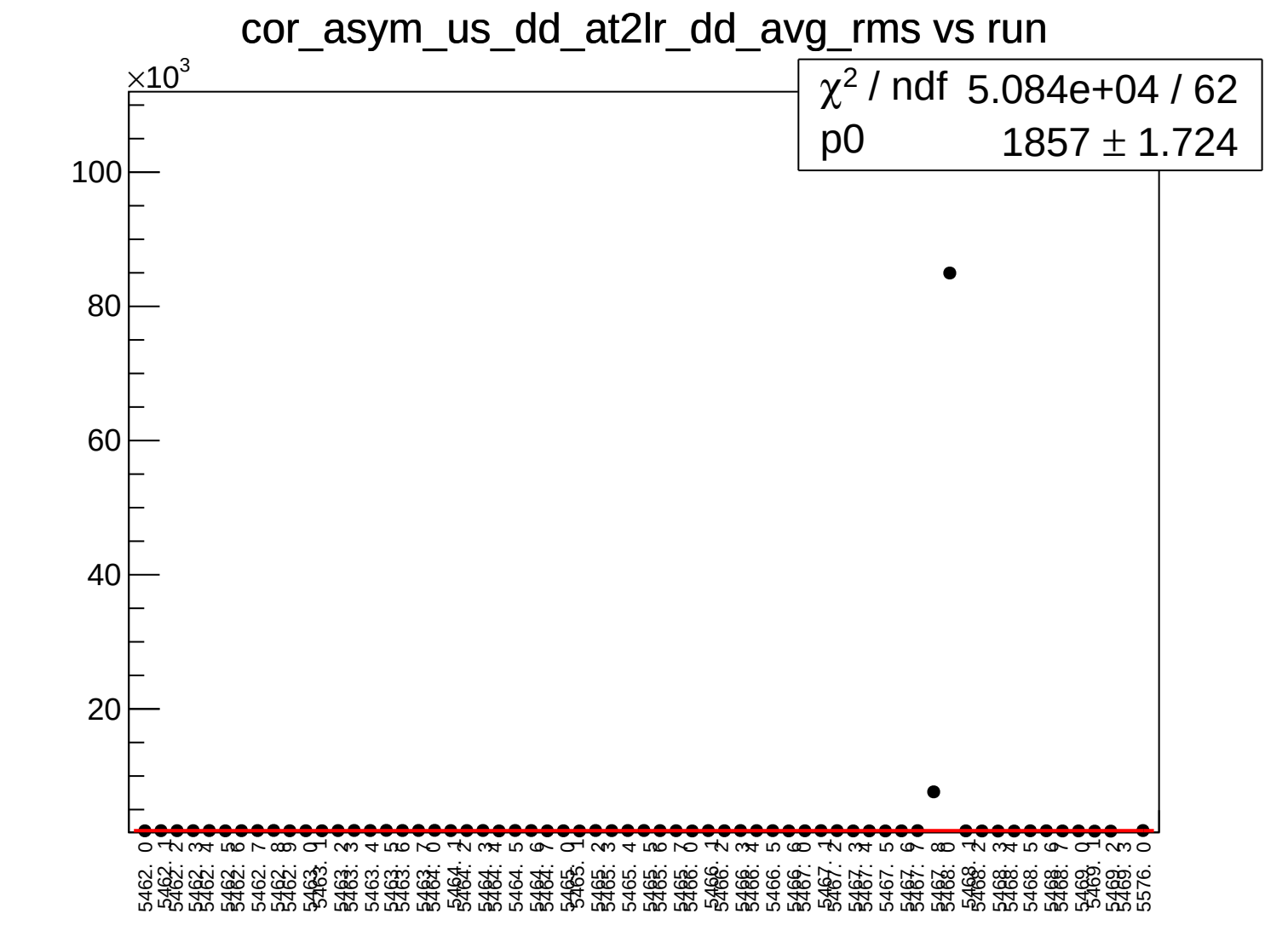

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 71.7 / 62
p0 2027 ± 2908
pull
Entries 63
Mean 80.26
Std Dev 0

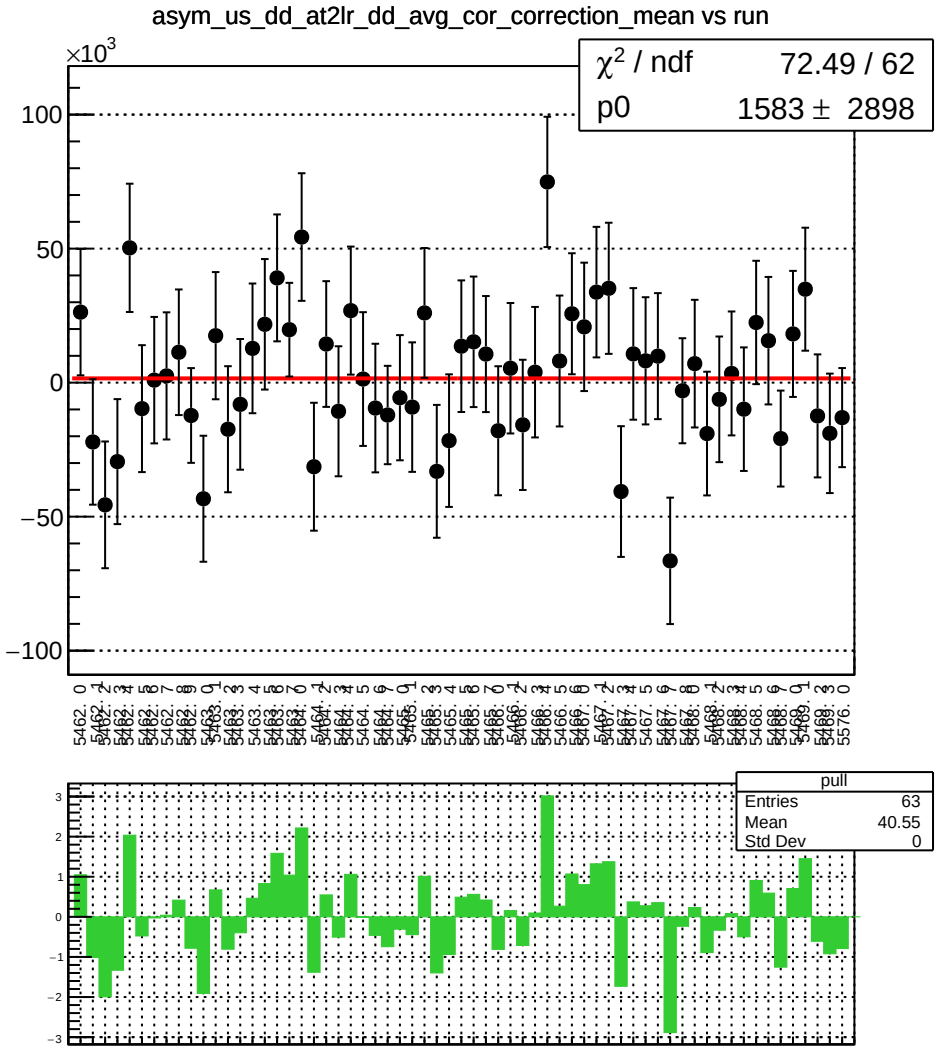

pull1D
Entries 63
Mean 0.01451
Std Dev 1.067

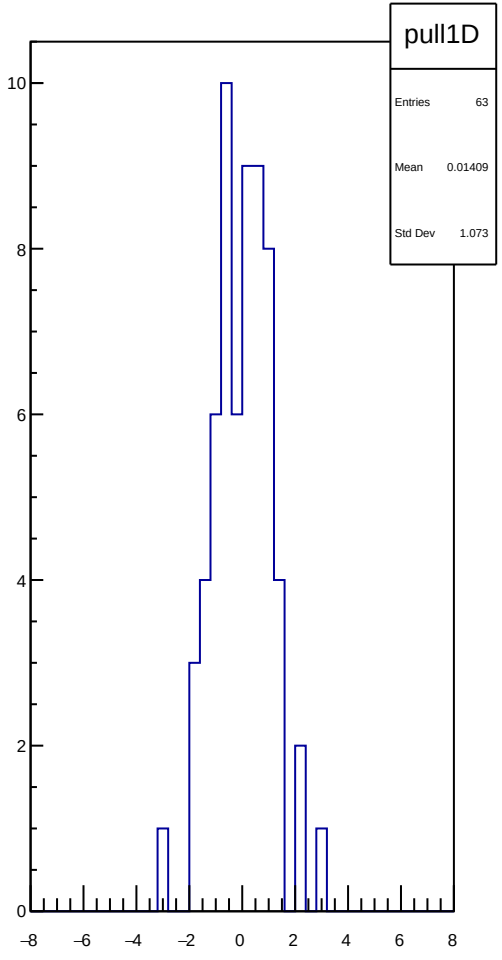

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5500 / 62
p0 2257 ± 2.056
4000
3500
3000
2500
2000

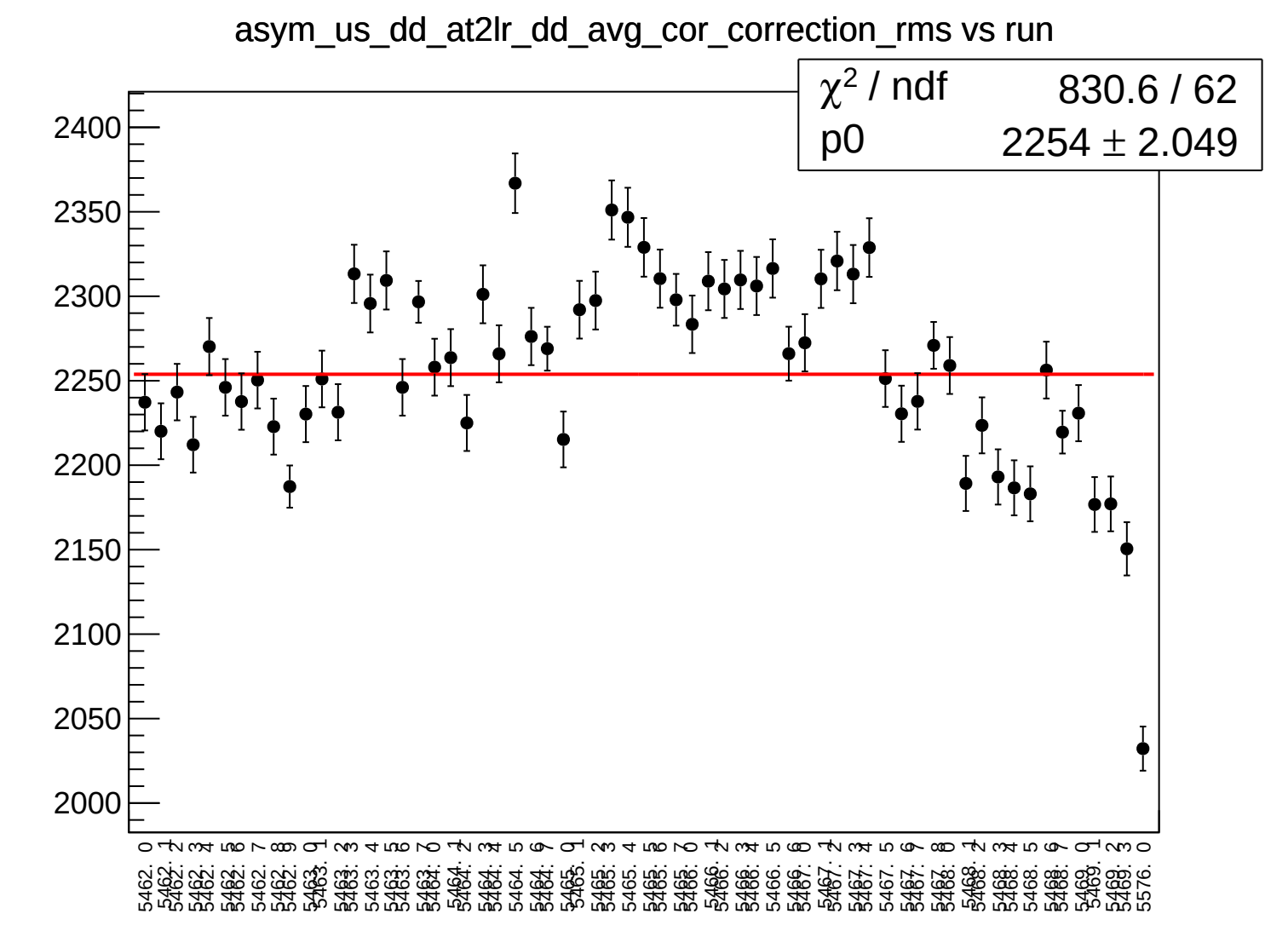

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 54.51 / 60
p0 −2013 ± 2439
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 51.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

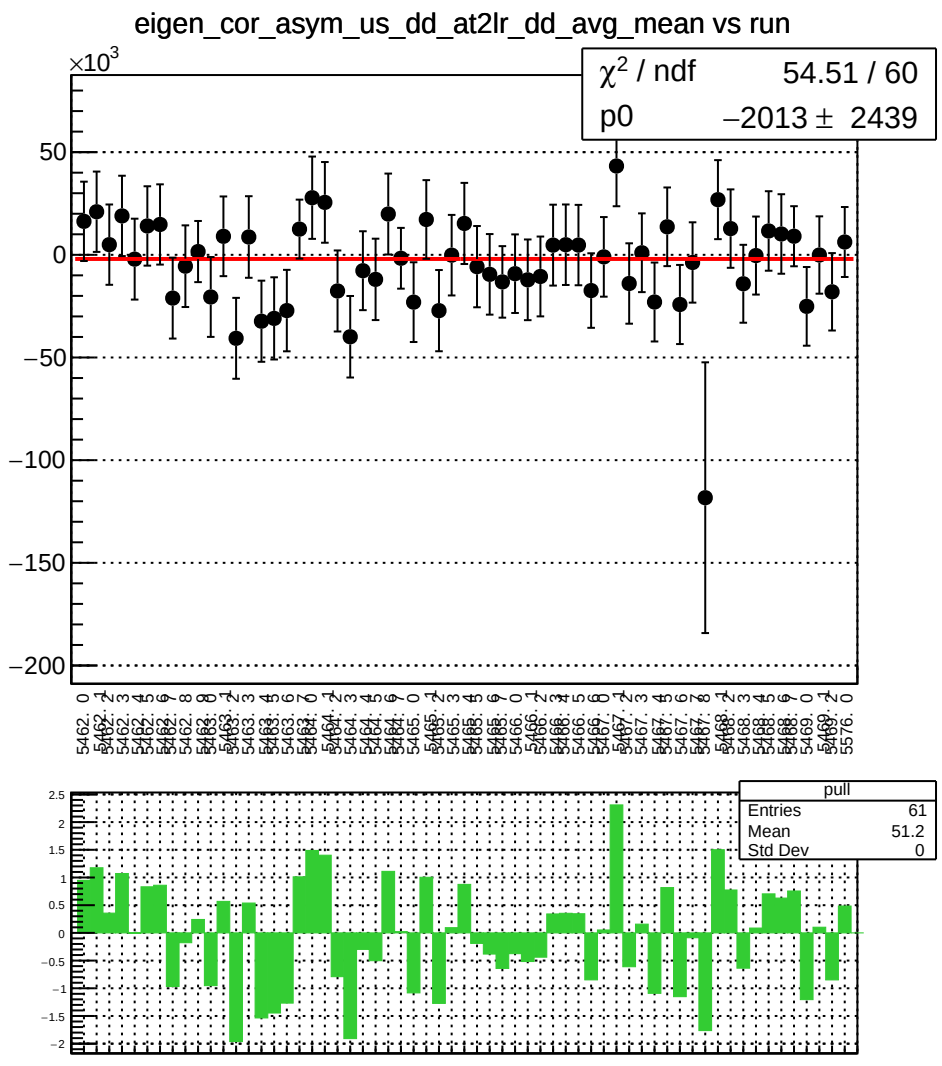

pull1D
Entries 61
Mean −0.03173
Std Dev 0.9448
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

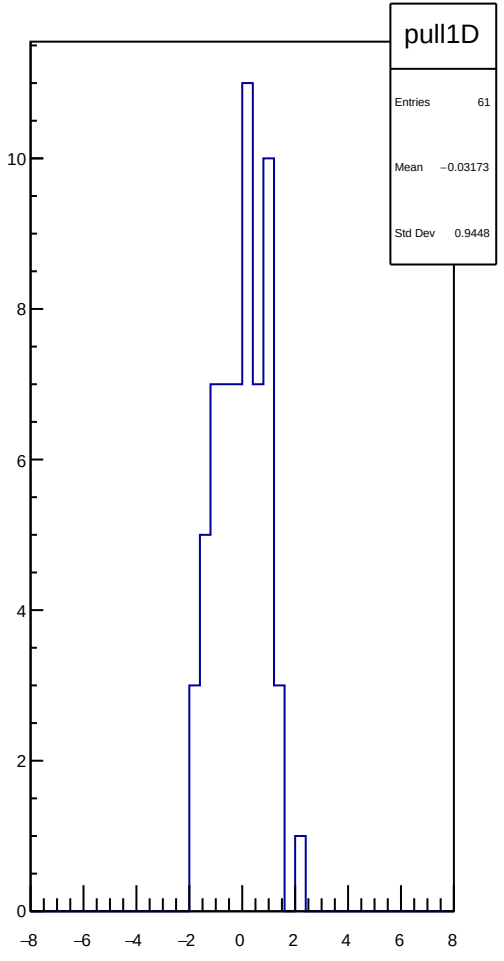

cor_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ² / ndf 5.084e+04 / 62
p0 1857 ± 1.724
100
80
60
40
20

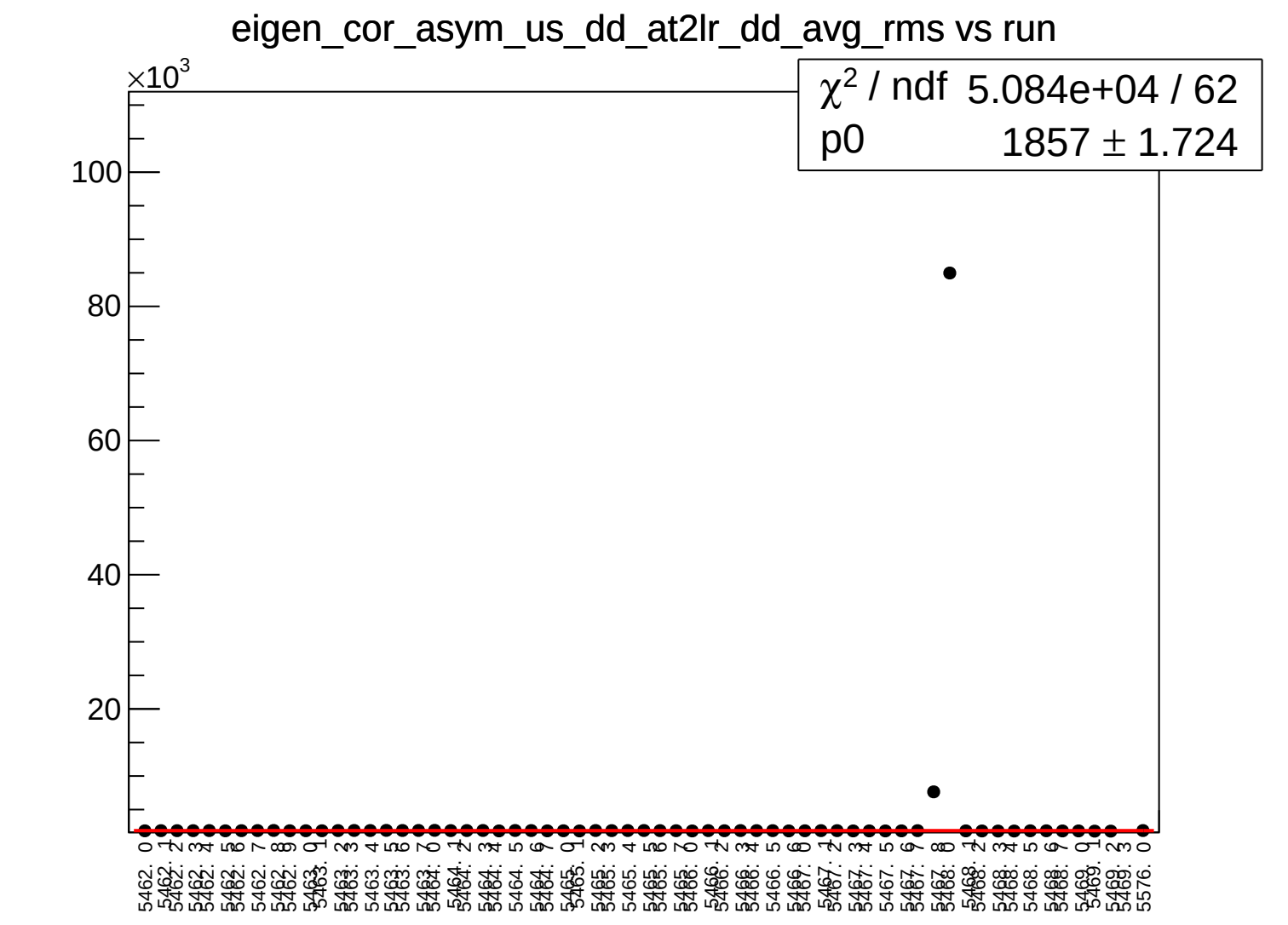

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 72.49 / 62
p0 1583 ± 2898
pull
Entries 63
Mean 40.55
Std Dev 0


pull1D
Entries 63
Mean 0.01409
Std Dev 1.073


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 830.6 / 62
p0 2254 ± 2.049
2400
2350
2300
2250
2200
2150
2100
2050
2000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 54.51 / 60
p0 −2013 ± 2439
pull
Entries 61
Mean 51.2
Std Dev 0


pull1D
Entries 61
Mean −0.03173
Std Dev 0.9448


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ² / ndf 5.084e+04 / 62
p0 1857 ± 1.724
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 3
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5465. 6
5465. 7
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5466. 6
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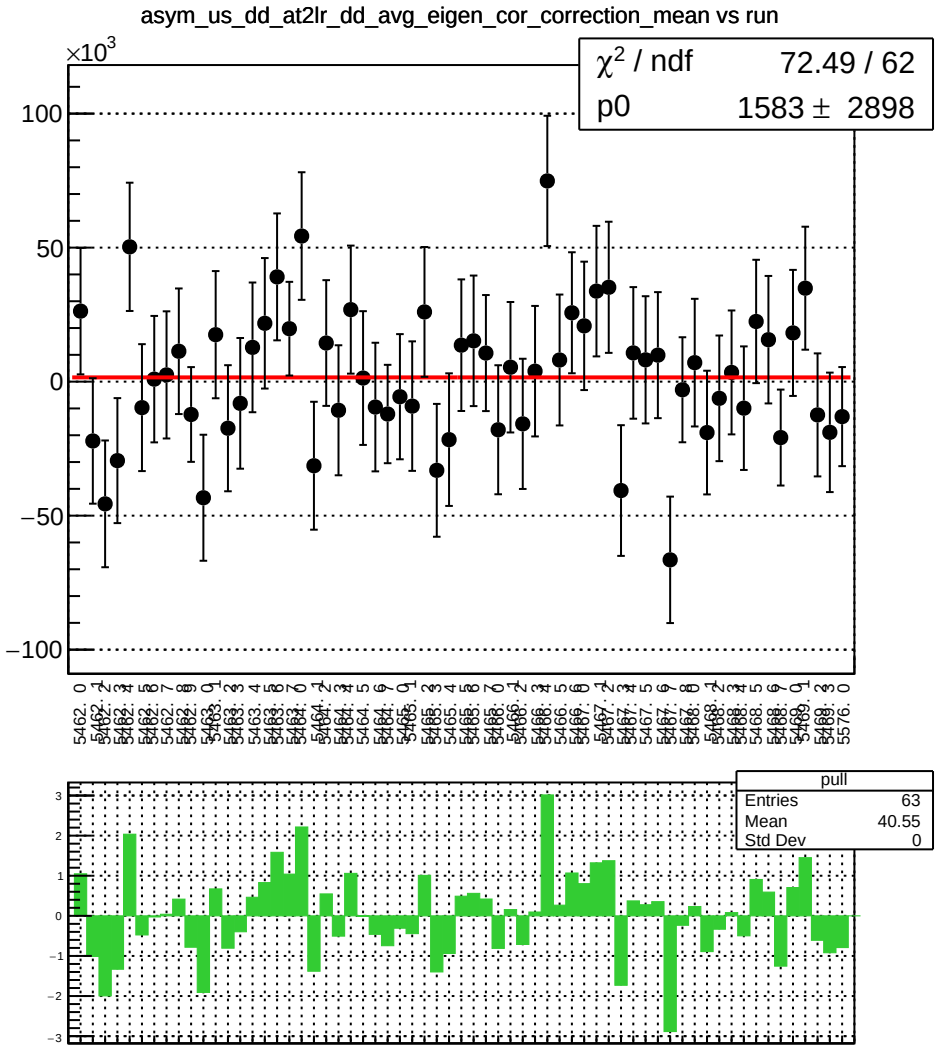
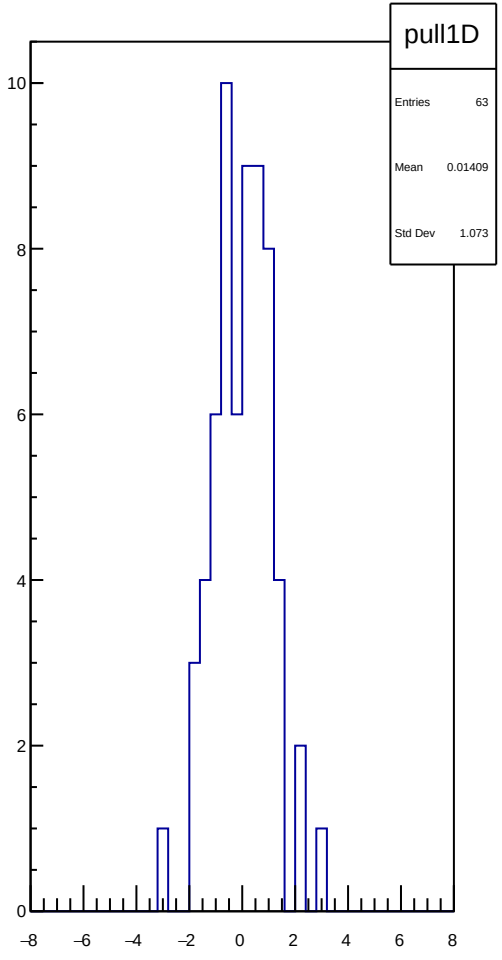
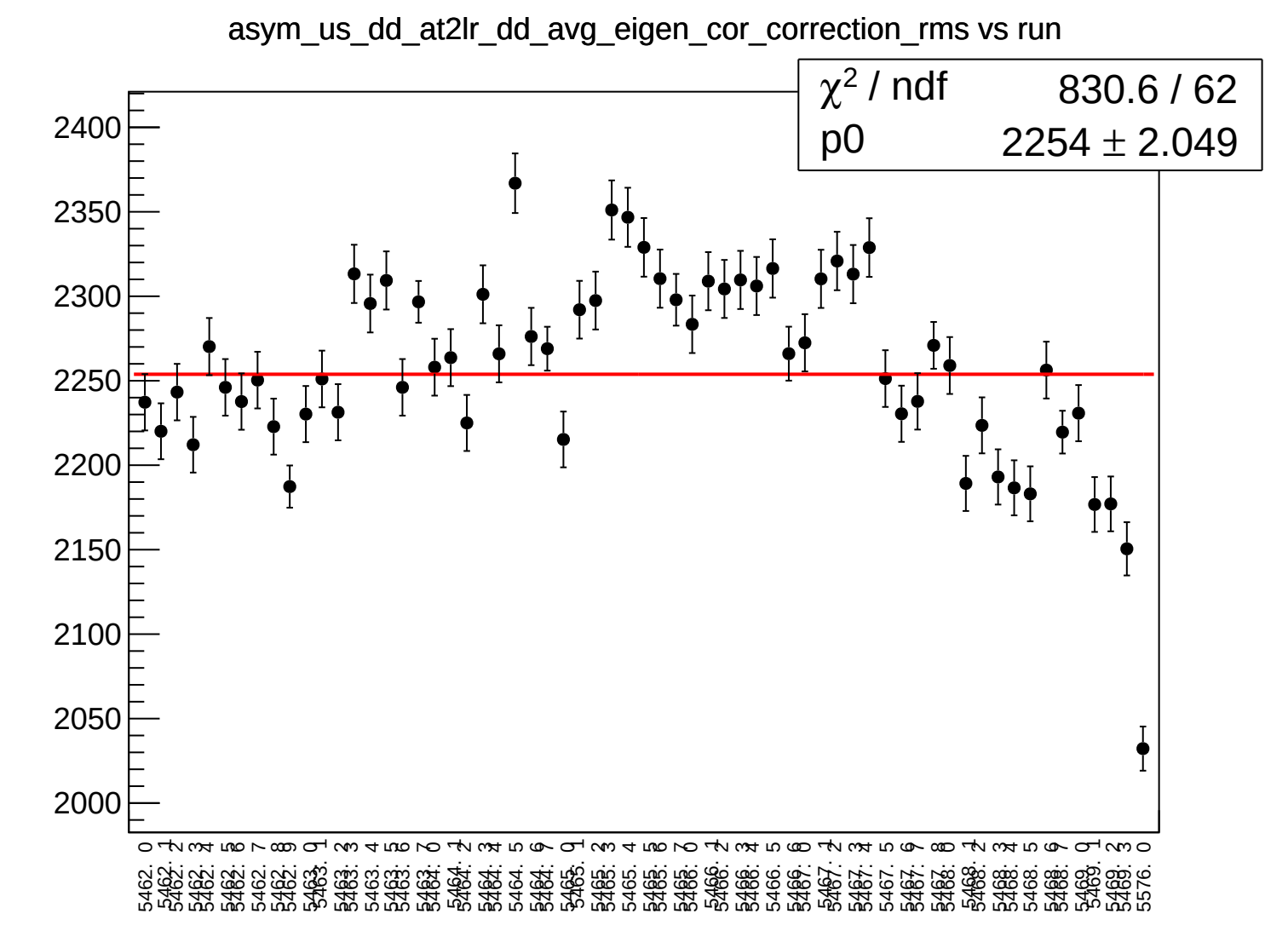
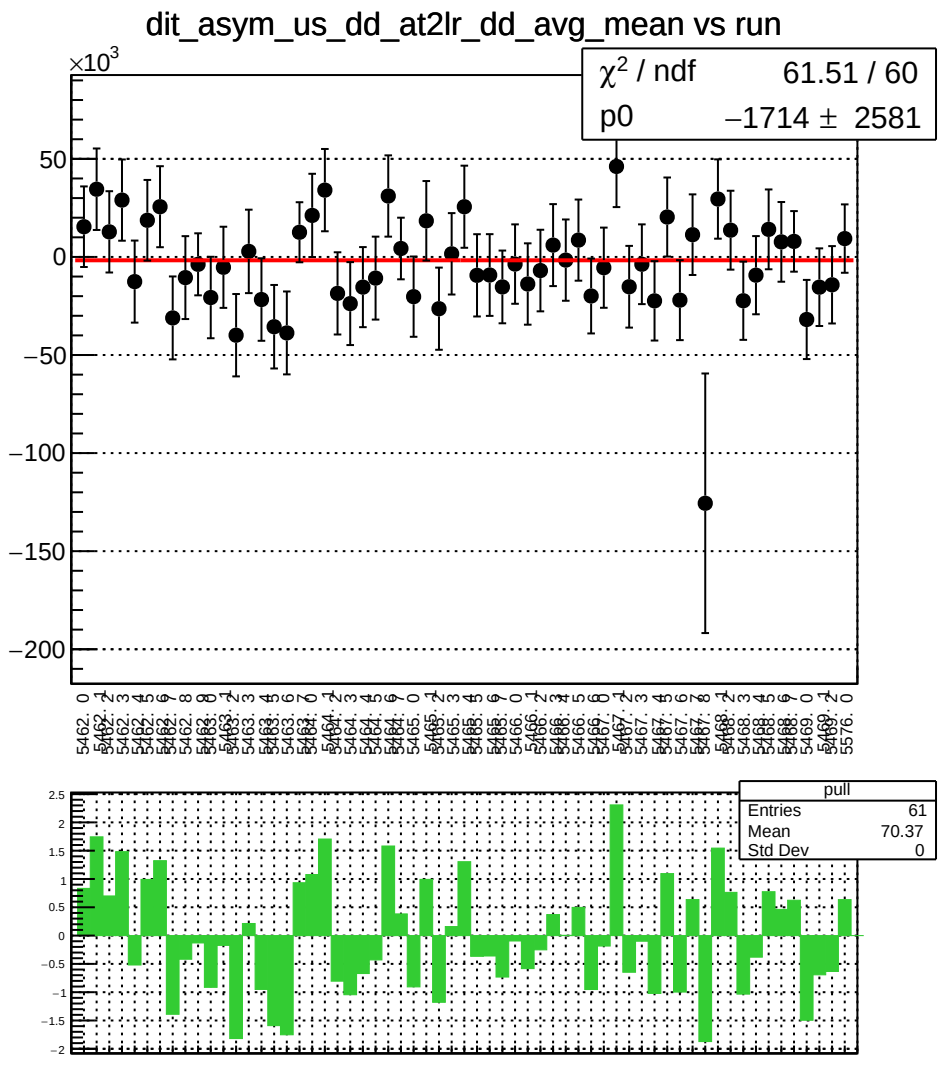
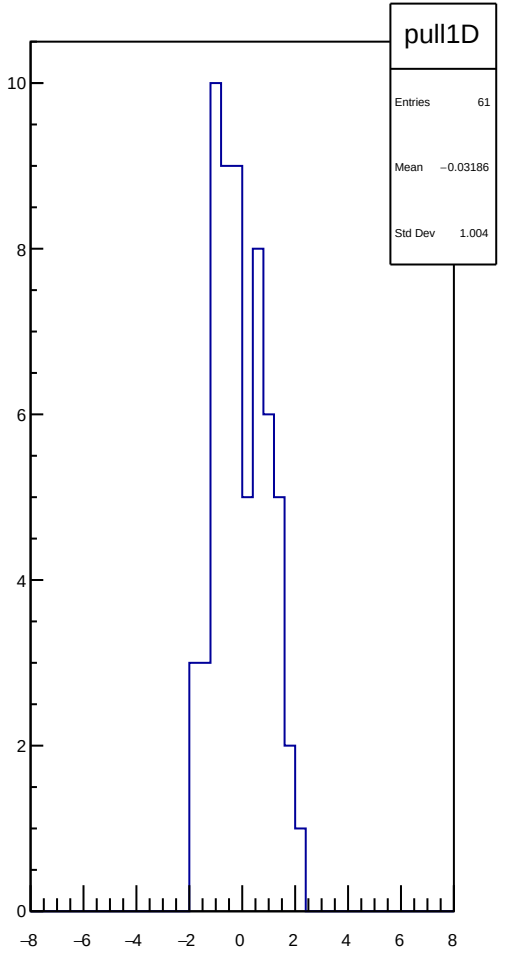
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

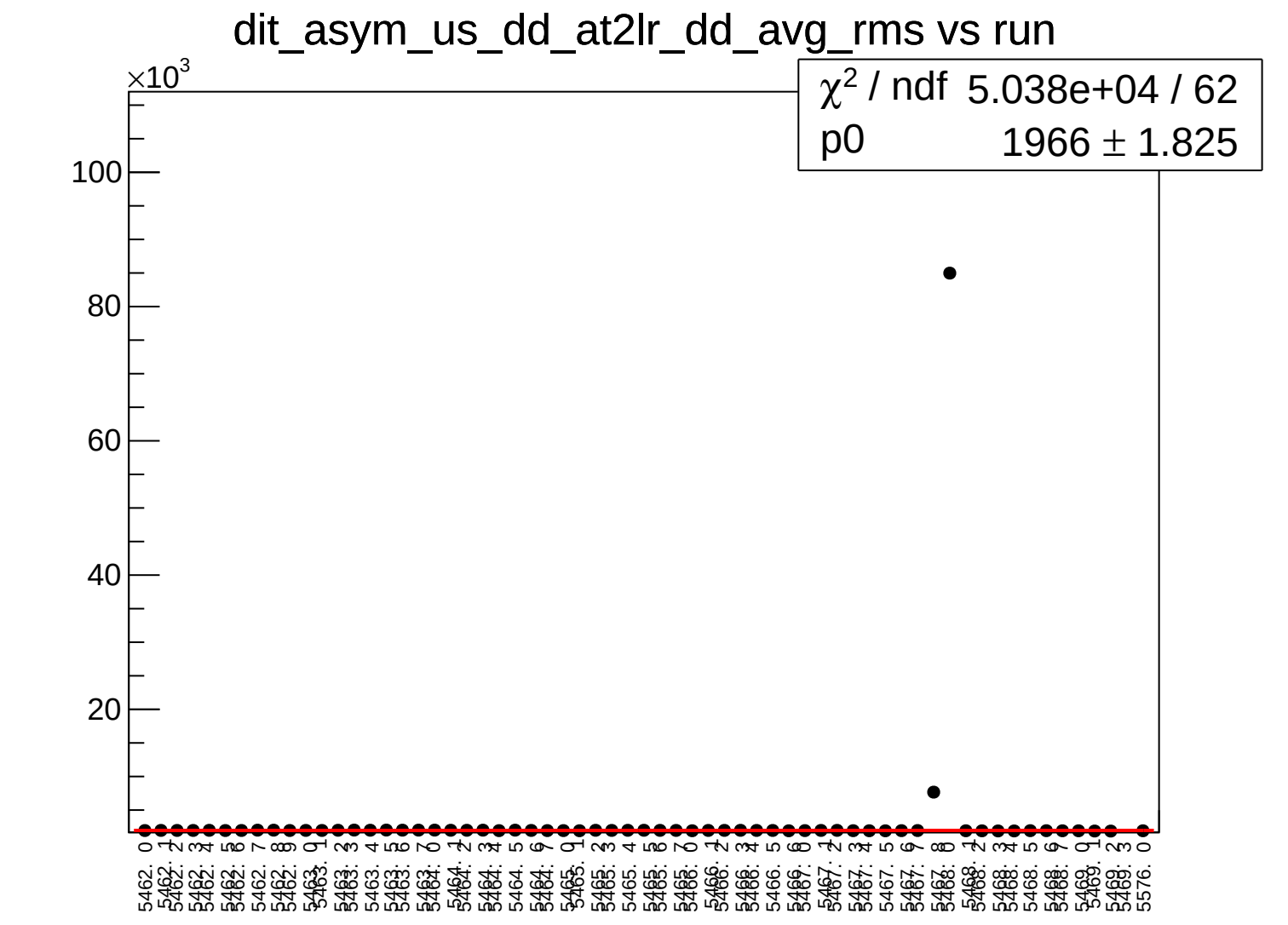

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 72.49 / 62
p0 1583 ± 2898
pull
Entries 63
Mean 40.55
Std Dev 0


pull1D
Entries 63
Mean 0.01409
Std Dev 1.073


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 830.6 / 62
p0 2254 ± 2.049
2400
2350
2300
2250
2200
2150
2100
2050
2000


dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 61.51 / 60
p0 −1714 ± 2581
pull
Entries 61
Mean 70.37
Std Dev 0


pull1D
Entries 61
Mean −0.03186
Std Dev 1.004


dit_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.038e+04 / 62
p0 1966 ± 1.825
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
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5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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5466. 2
5466. 3
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5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
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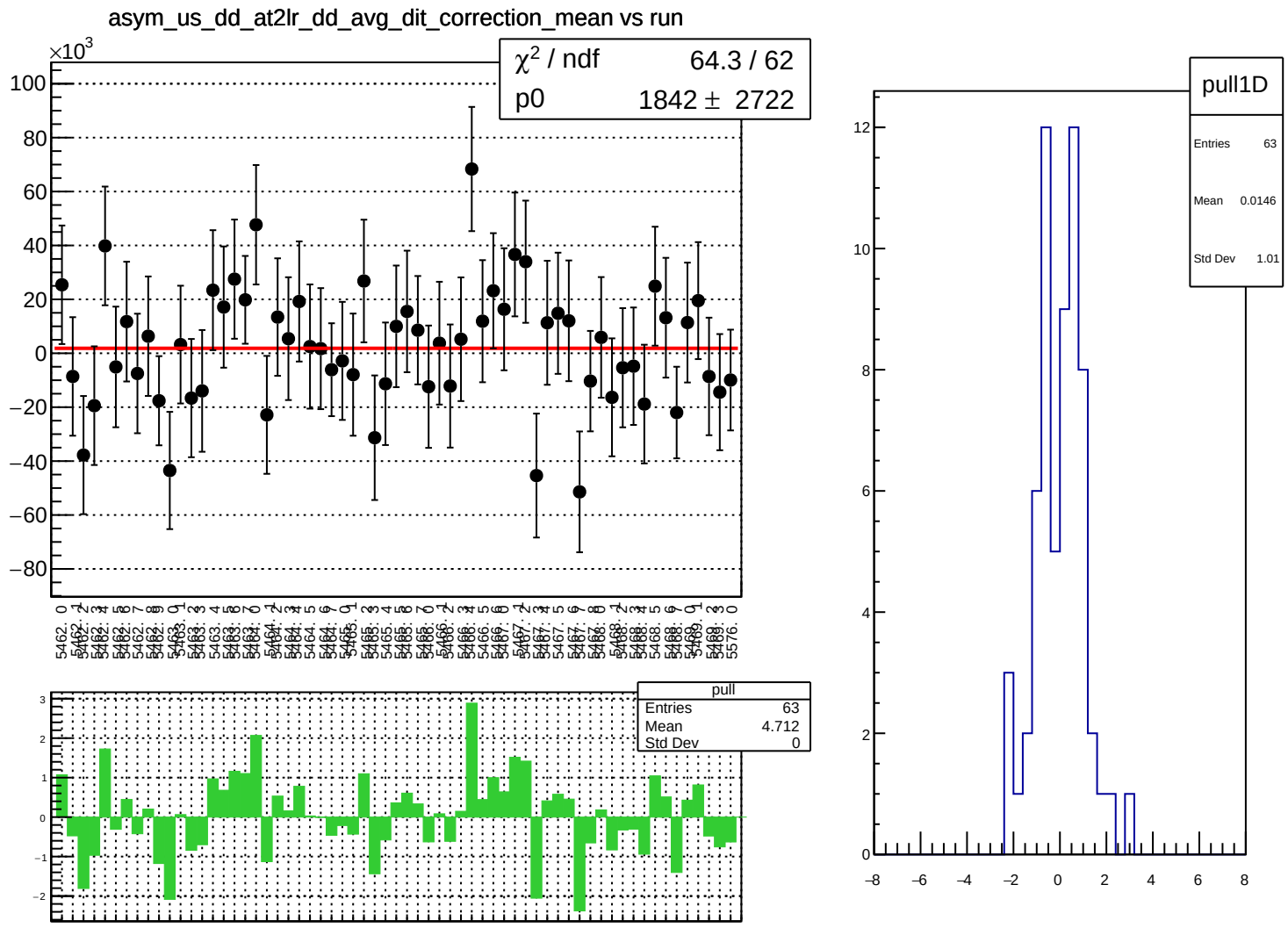
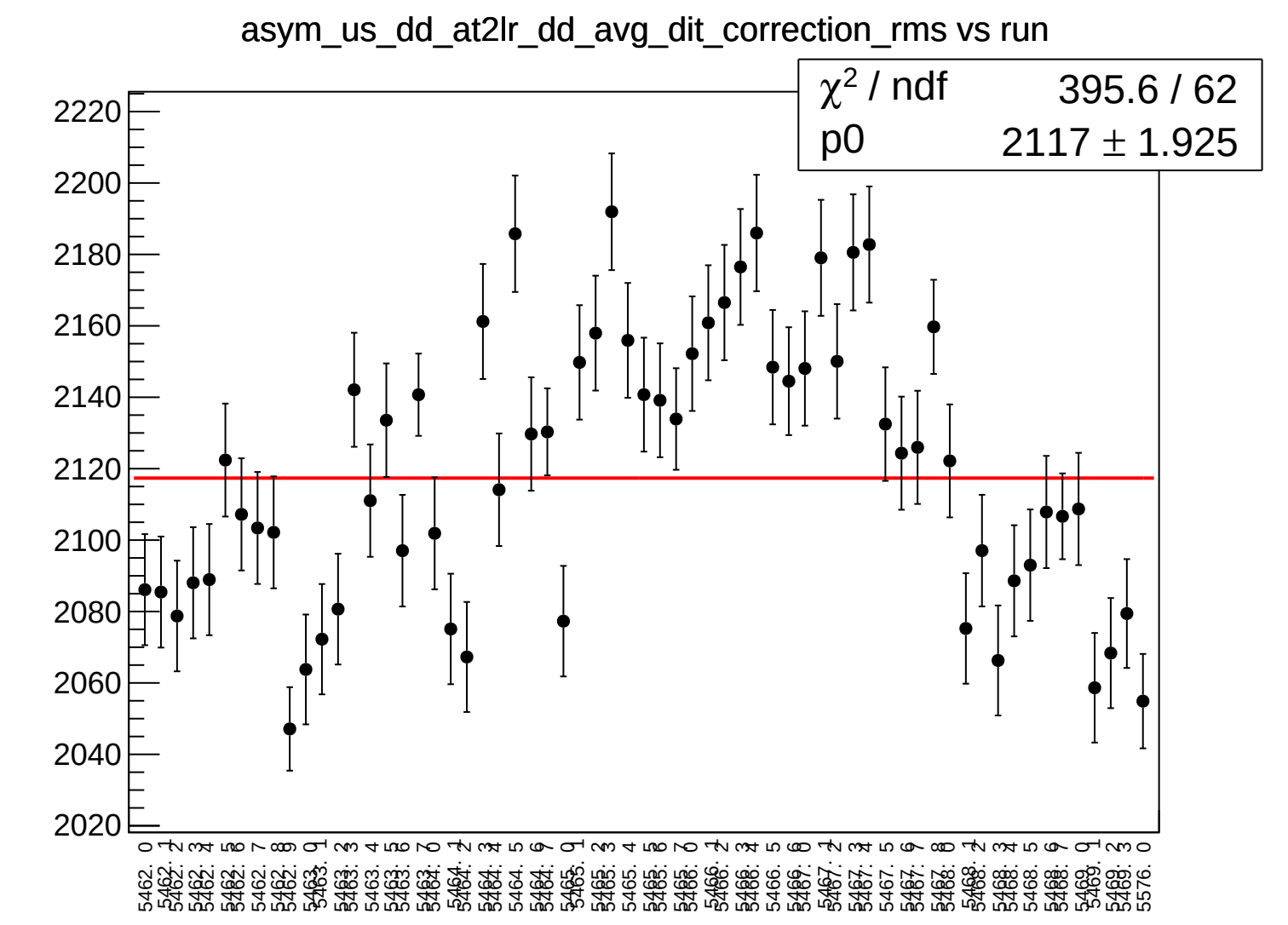
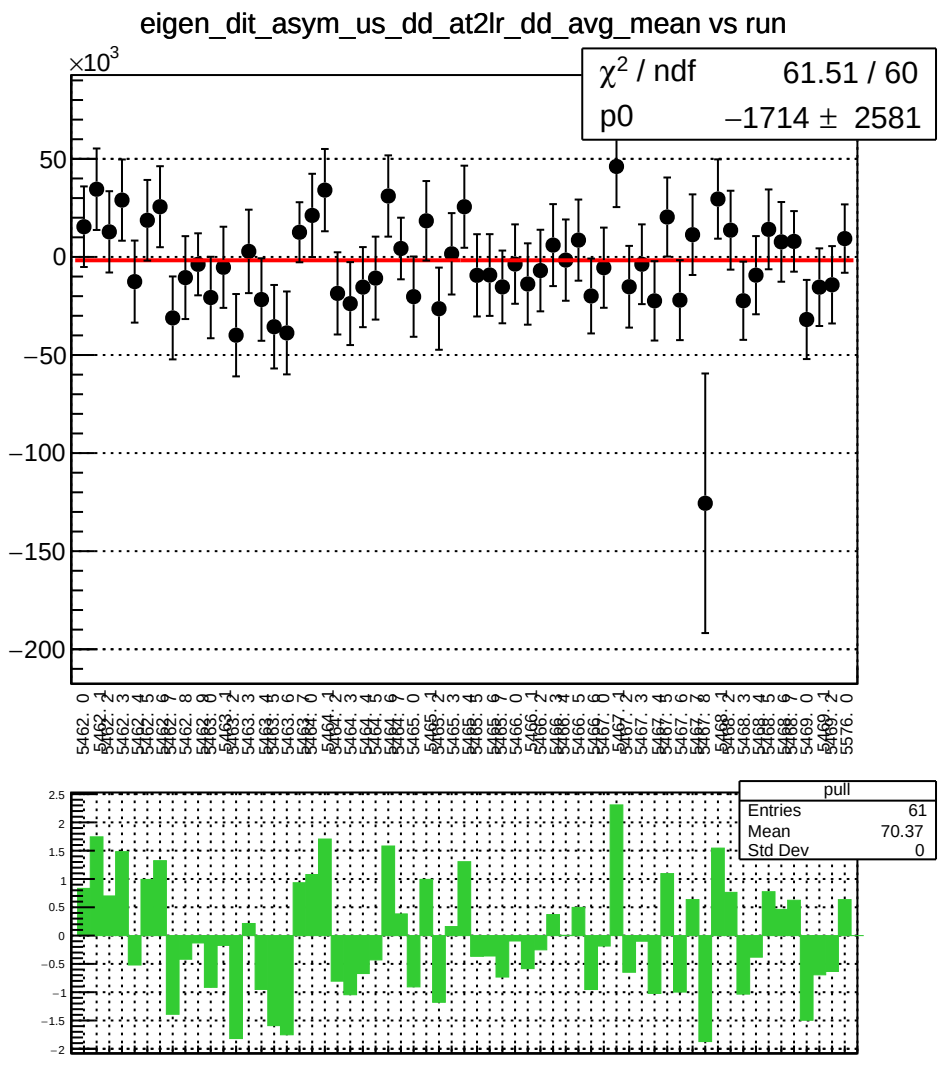
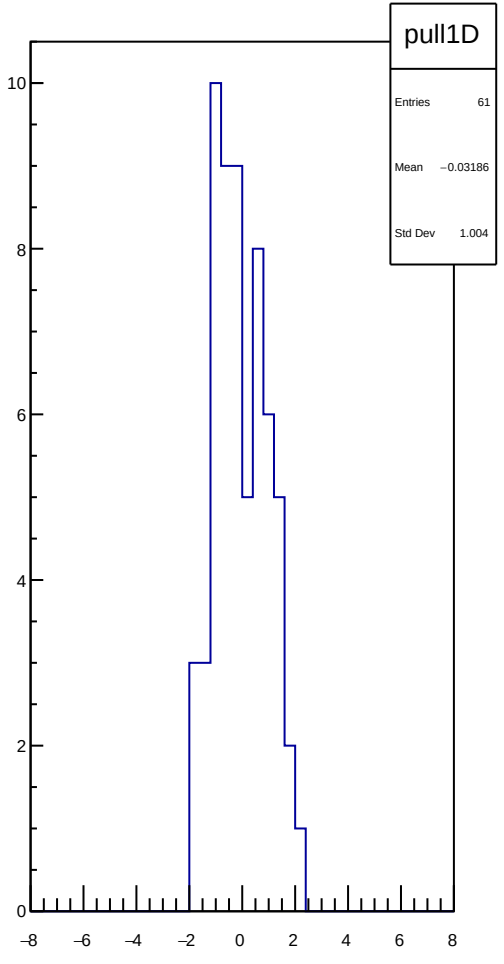
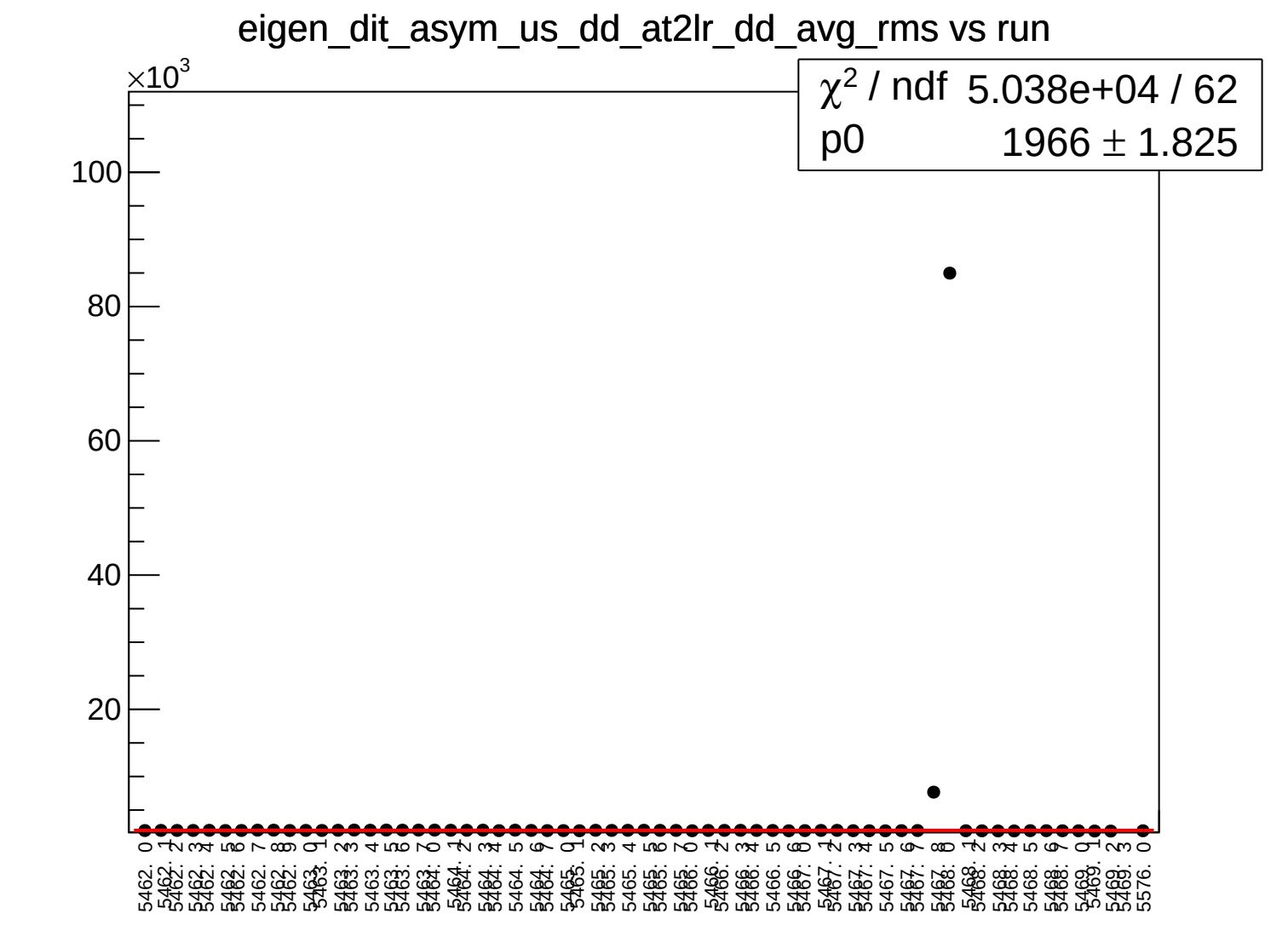
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

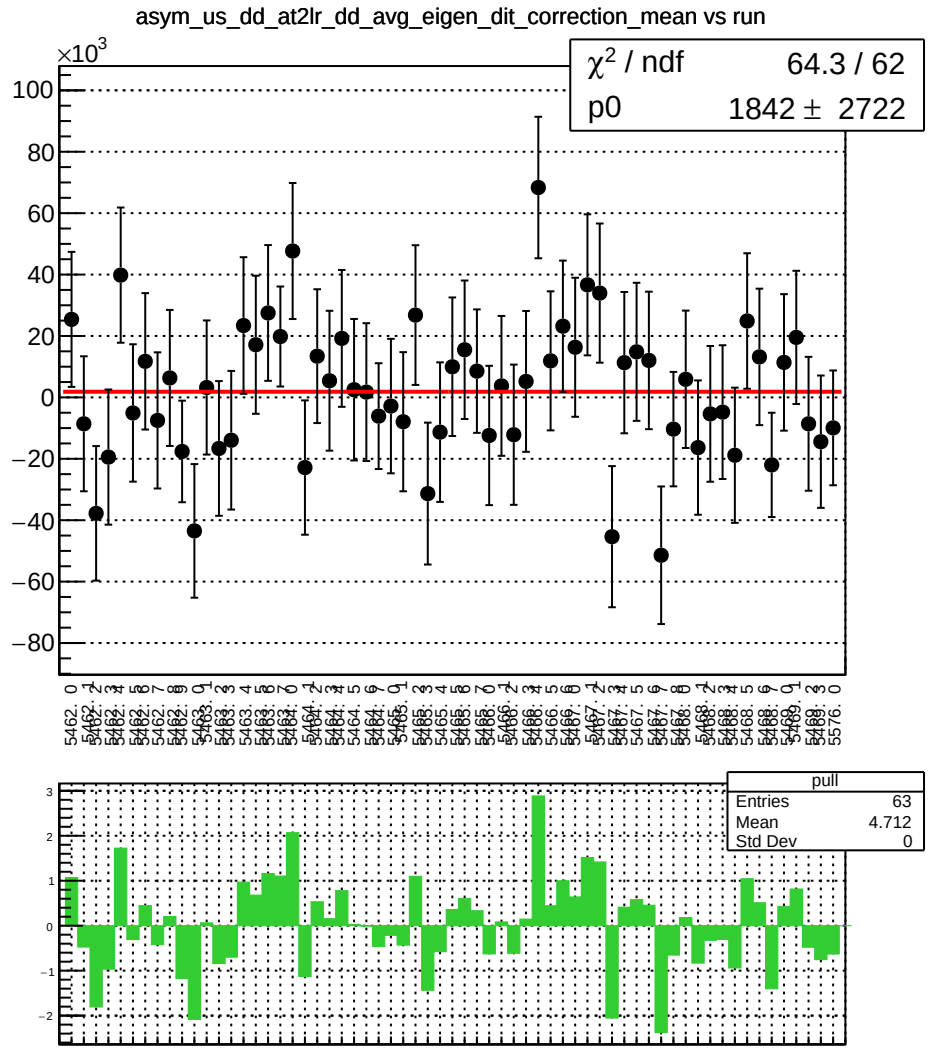

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.3 / 62
p0 1842 ± 2722
pull
Entries 63
Mean 4.712
Std Dev 0
pull1D
Entries 63
Mean 0.0146
Std Dev 1.01

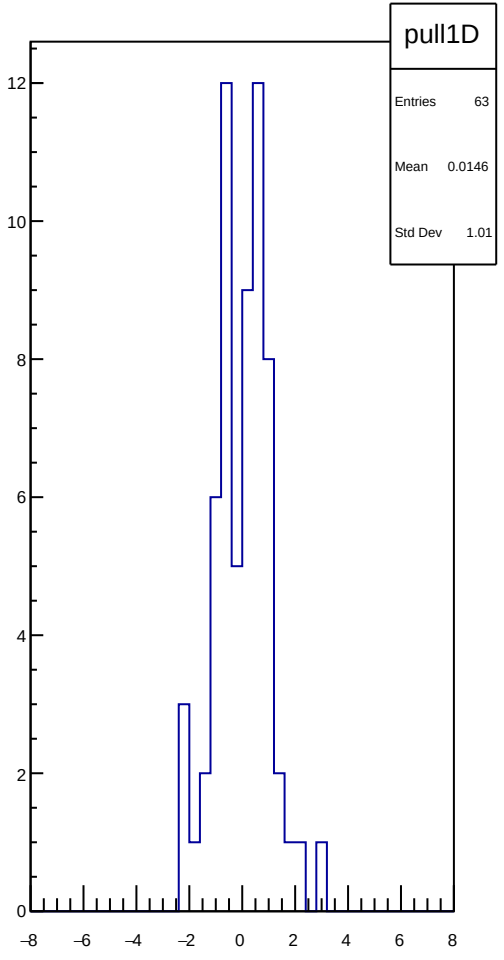

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 395.6 / 62
p0 2117 ± 1.925
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
2020

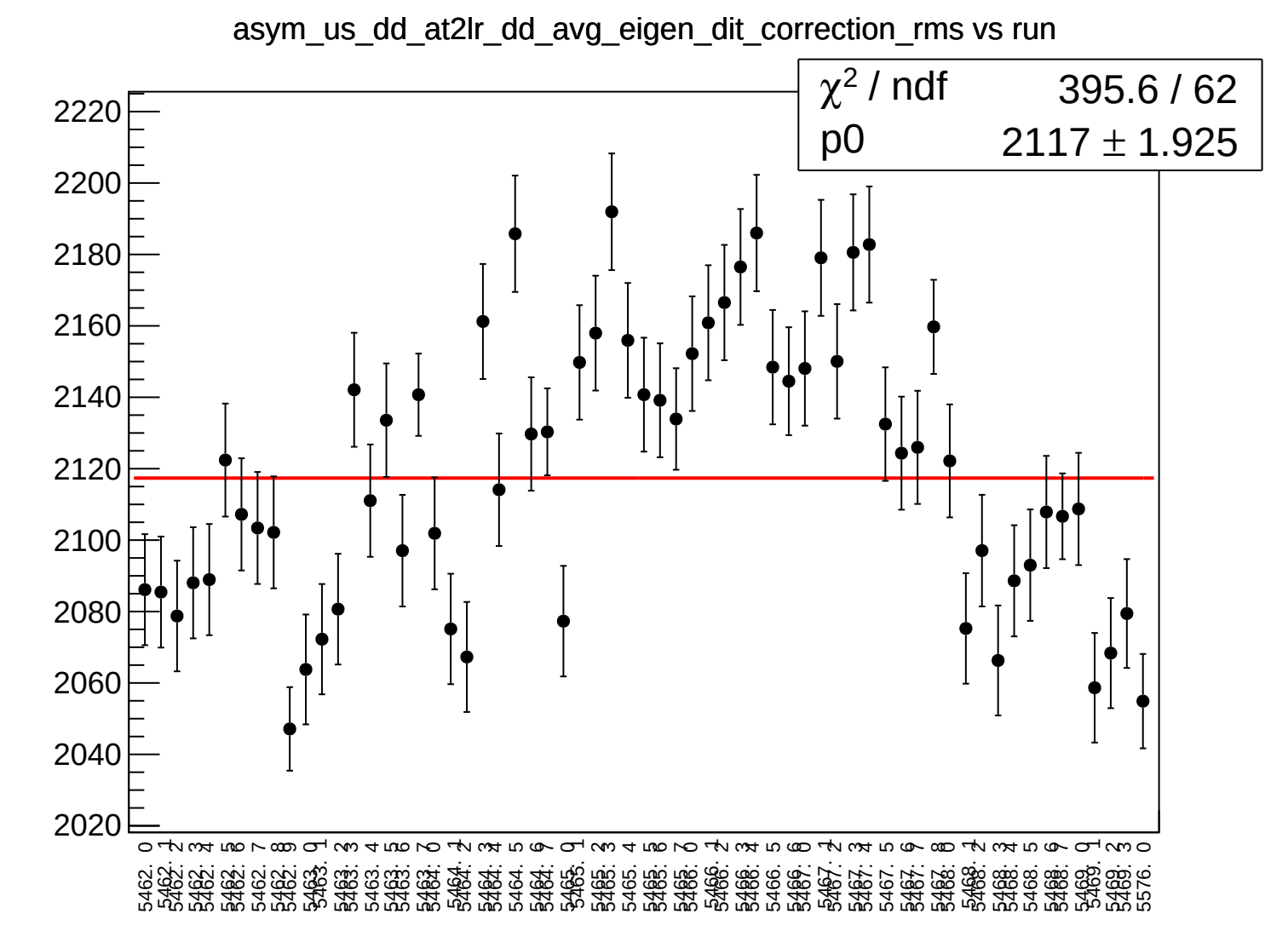

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 61.51 / 60
p0 −1714 ± 2581
pull
Entries 61
Mean 70.37
Std Dev 0

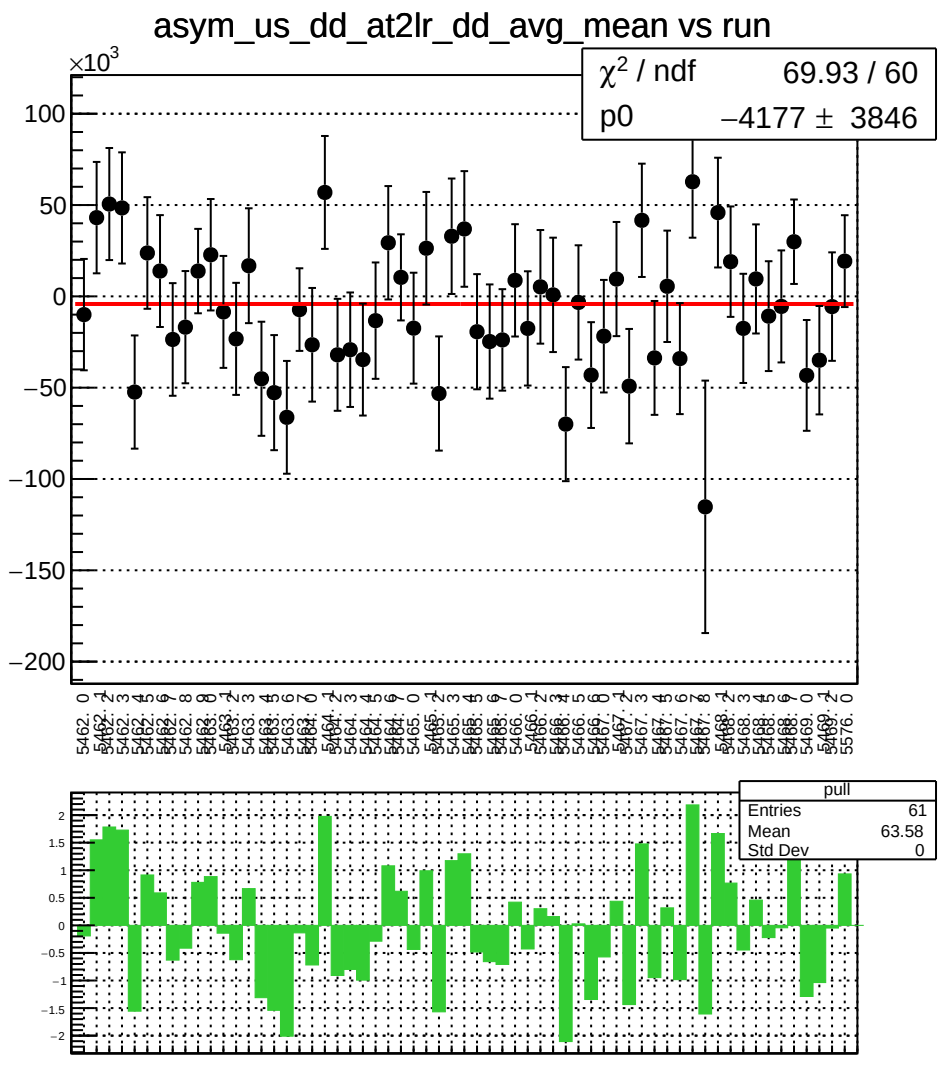

pull1D
Entries 61
Mean −0.03186
Std Dev 1.004

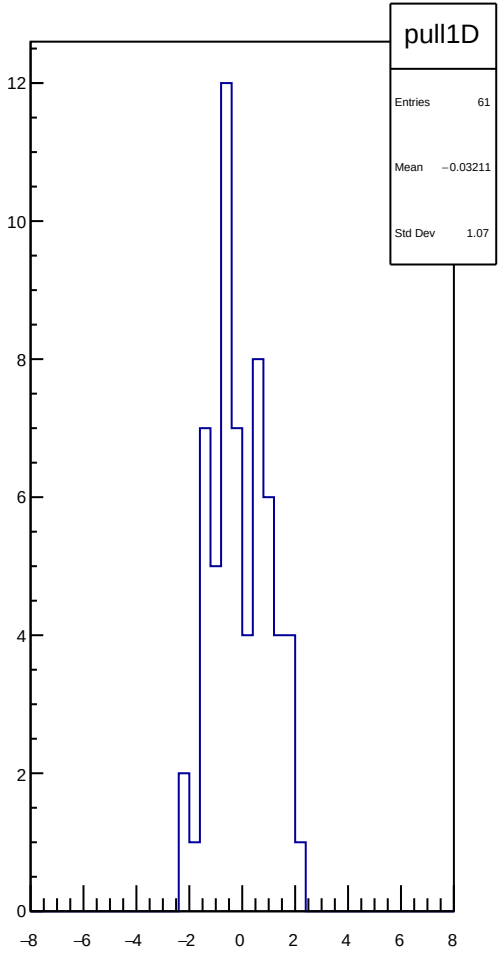

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ^2 / ndf 5.038e+04 / 62
p0 1966 ± 1.825
100
80
60
40
20

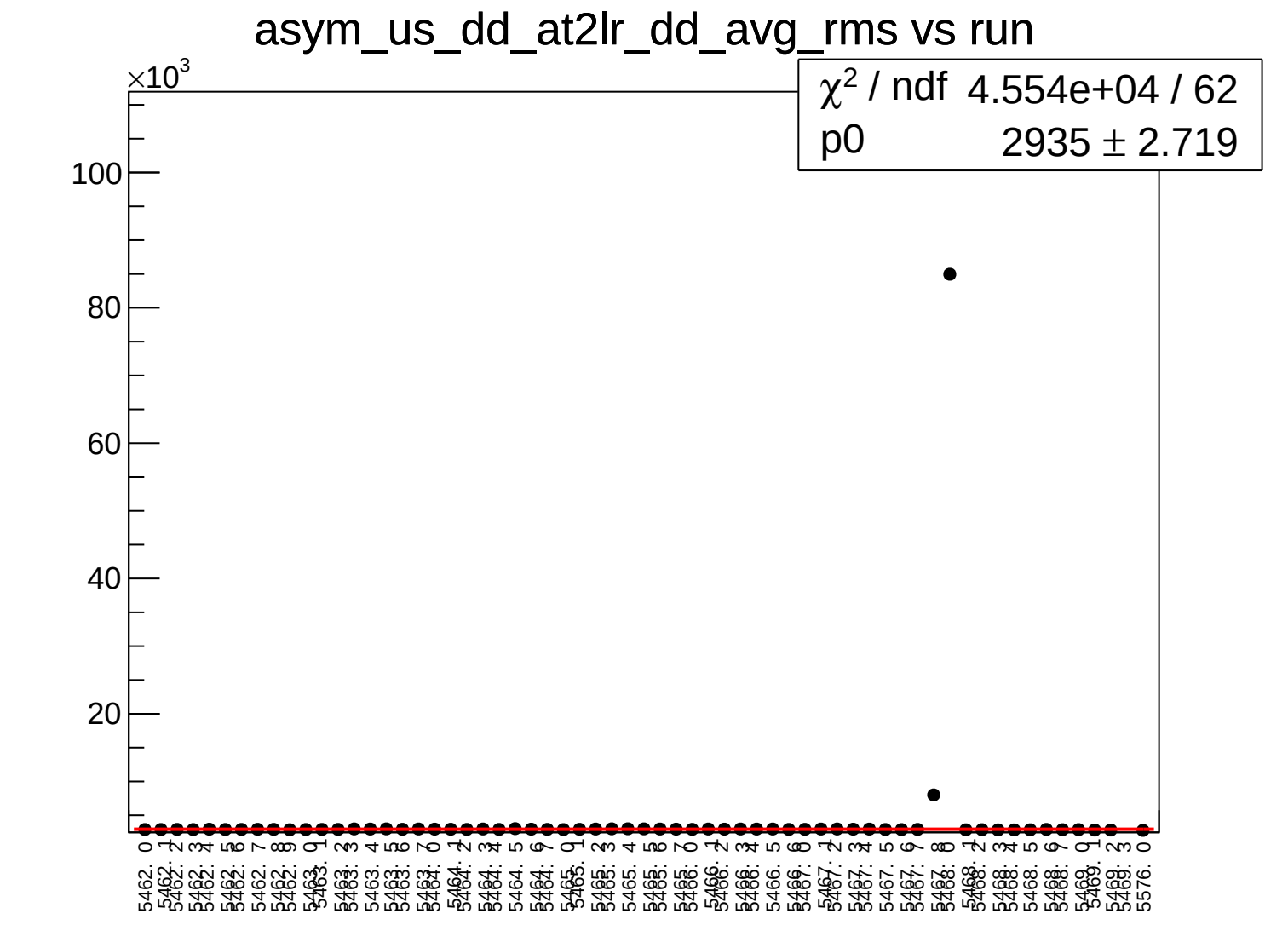

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.3 / 62
p0 1842 ± 2722
pull
Entries 63
Mean 4.712
Std Dev 0

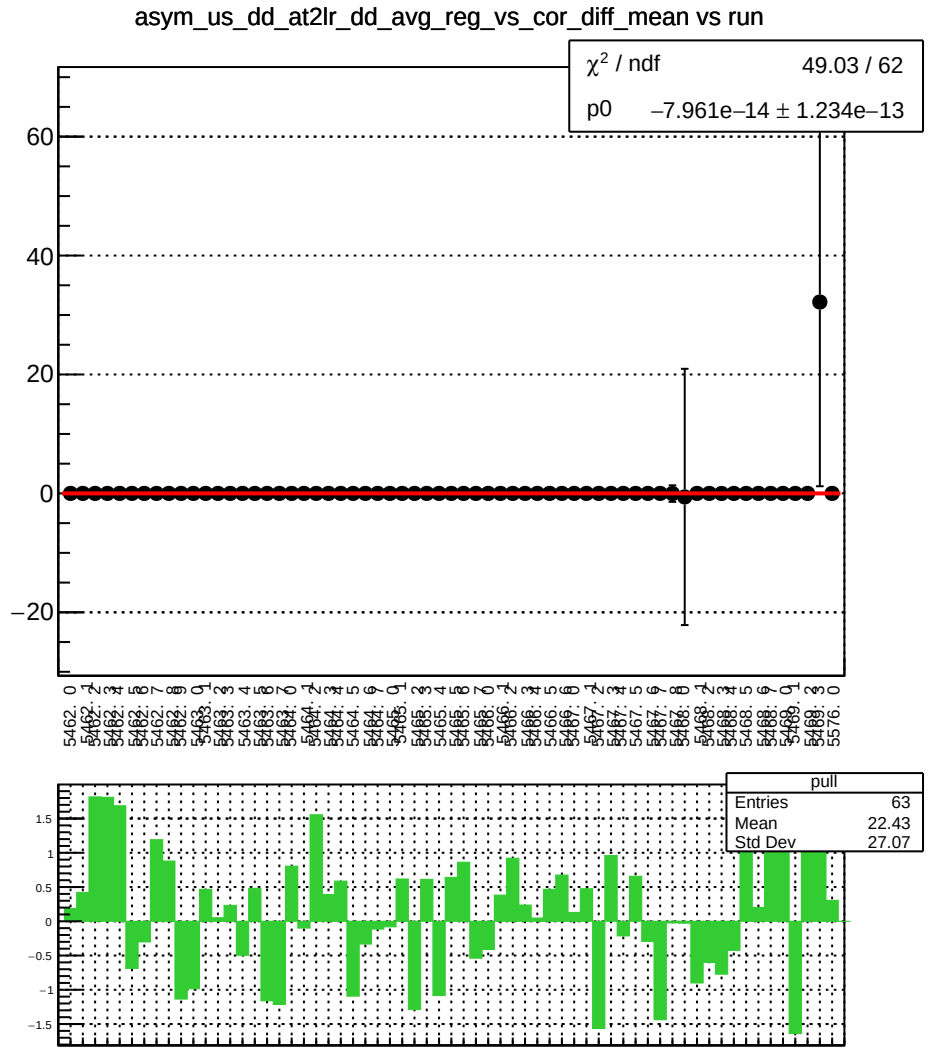

pull1D
Entries 63
Mean 0.0146
Std Dev 1.01

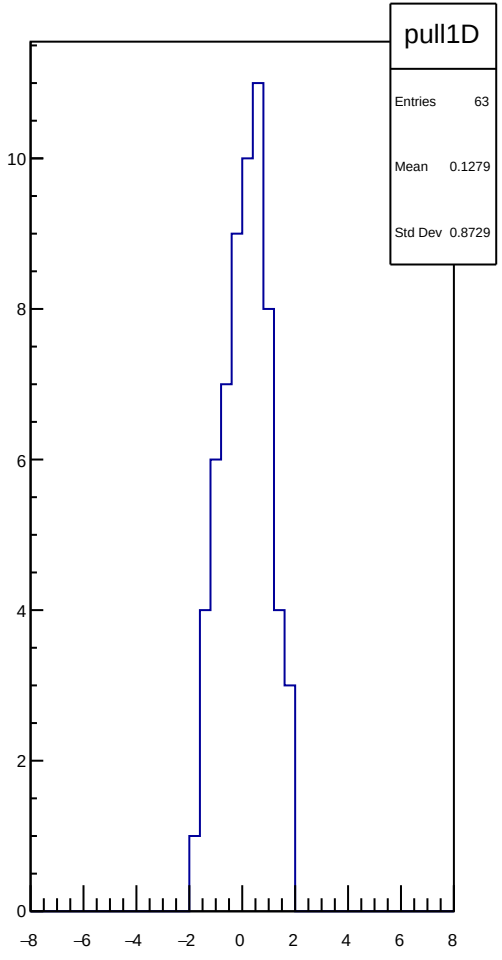

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 395.6 / 62
p0 2117 ± 1.925
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
2020

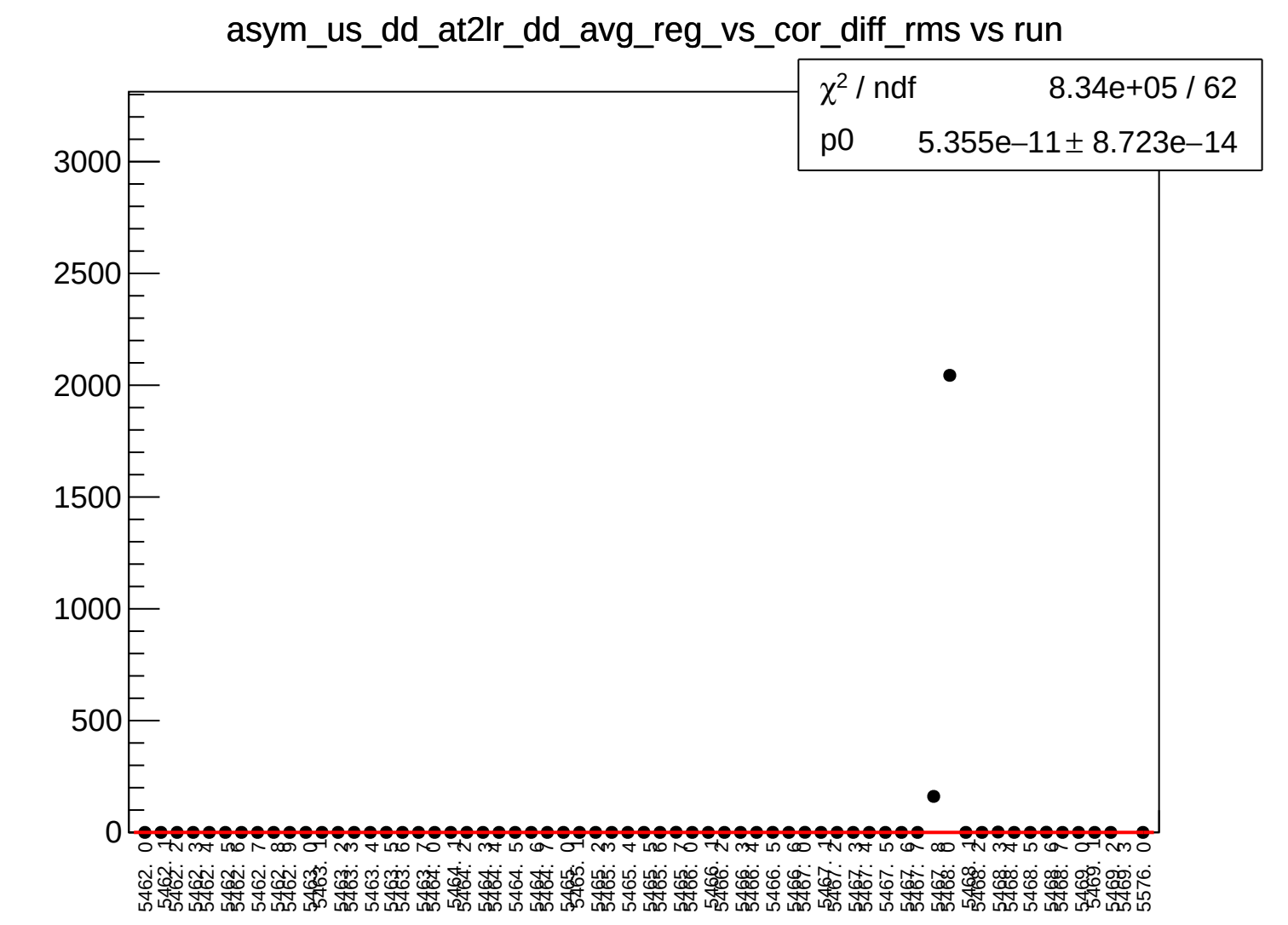

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 69.93 / 60
p0 −4177 ± 3846
pull
Entries 61
Mean 63.58
Std Dev 0

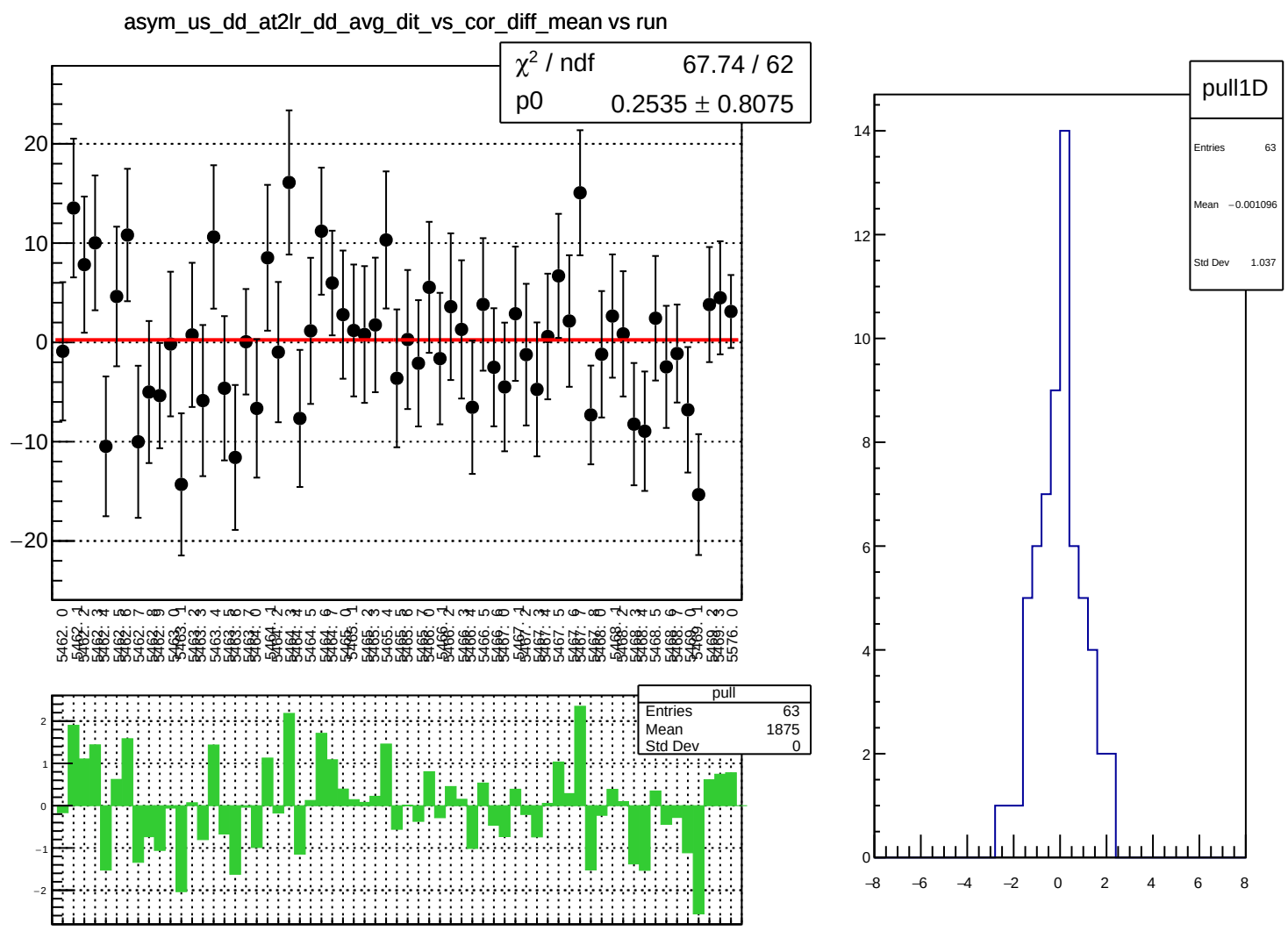

pull1D
Entries 61
Mean −0.03211
Std Dev 1.07

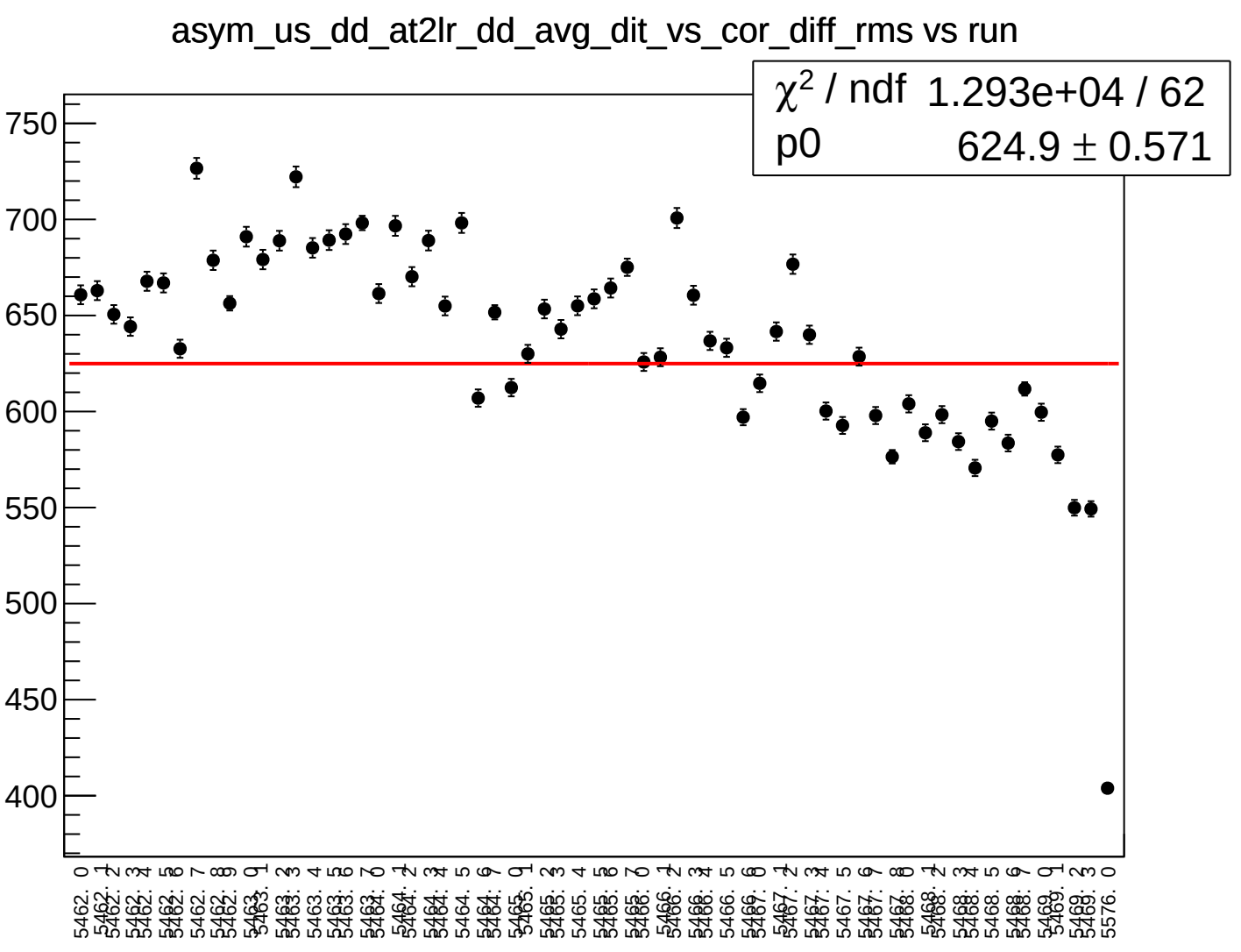

asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ^2 / ndf 4.554e+04 / 62
p0 2935 ± 2.719
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

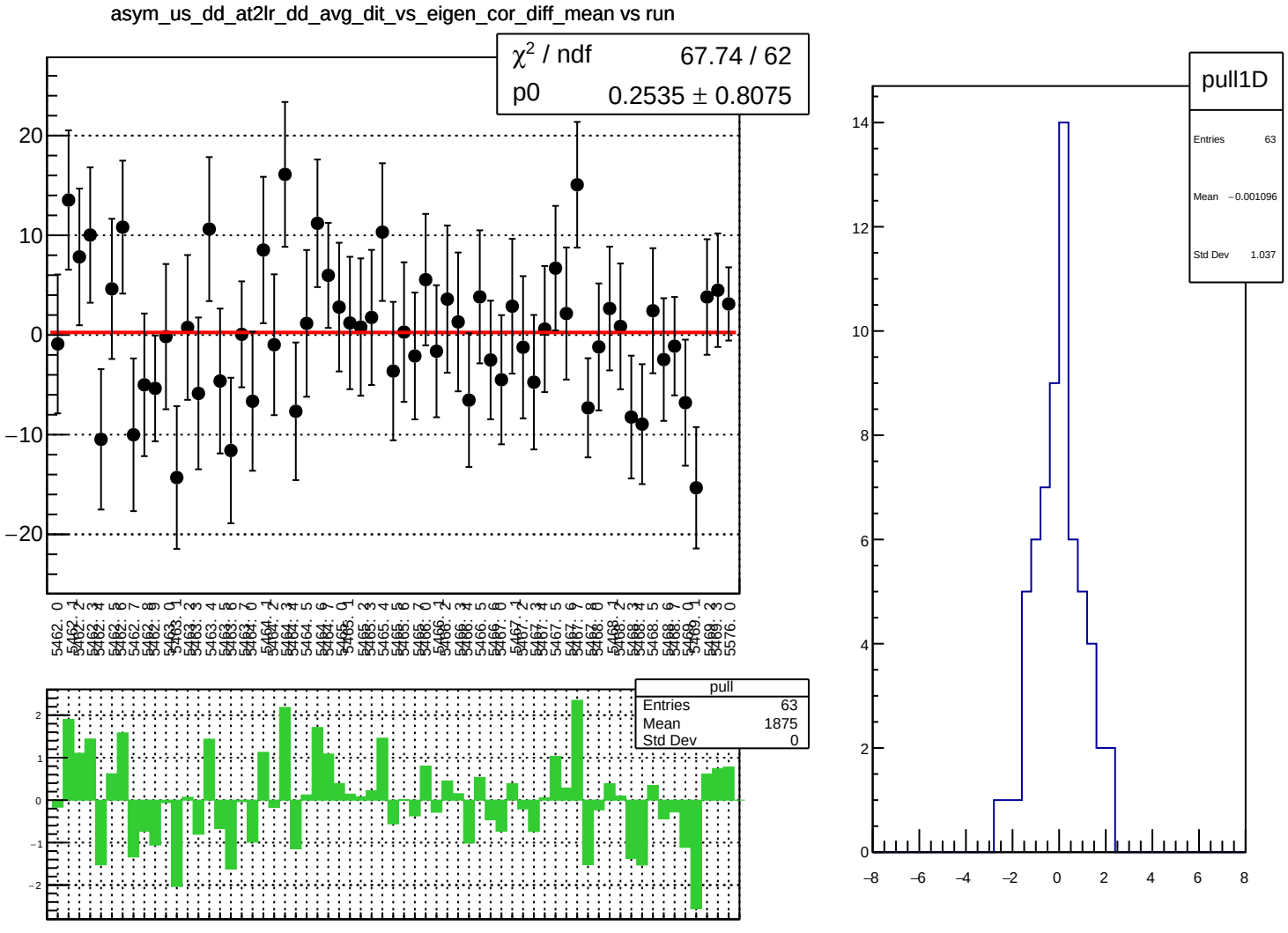

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.03 / 62
p0 −7.961e−14 ± 1.234e−13
pull
Entries 63
Mean 22.43
Std Dev 27.07

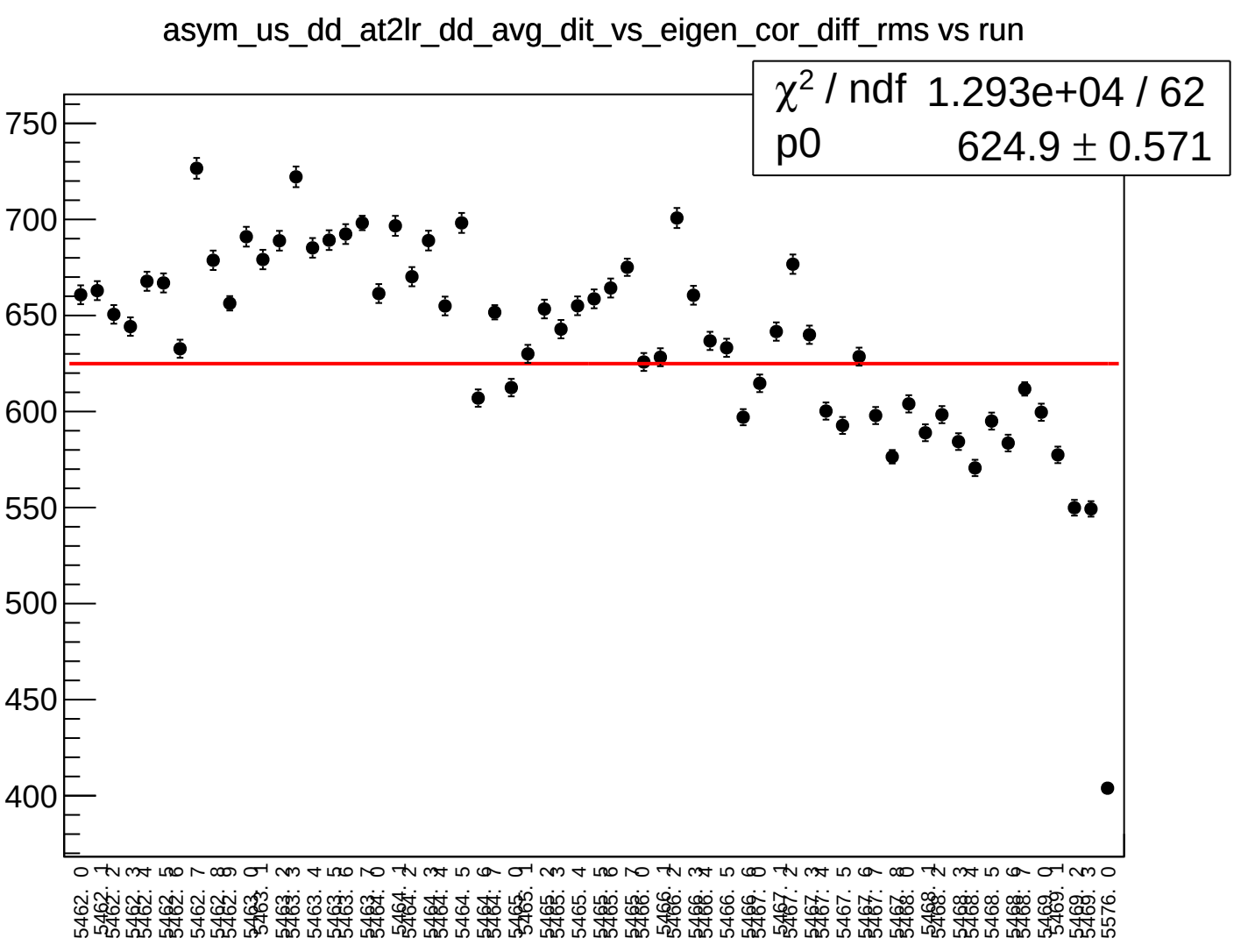

pull1D
Entries 63
Mean 0.1279
Std Dev 0.8729

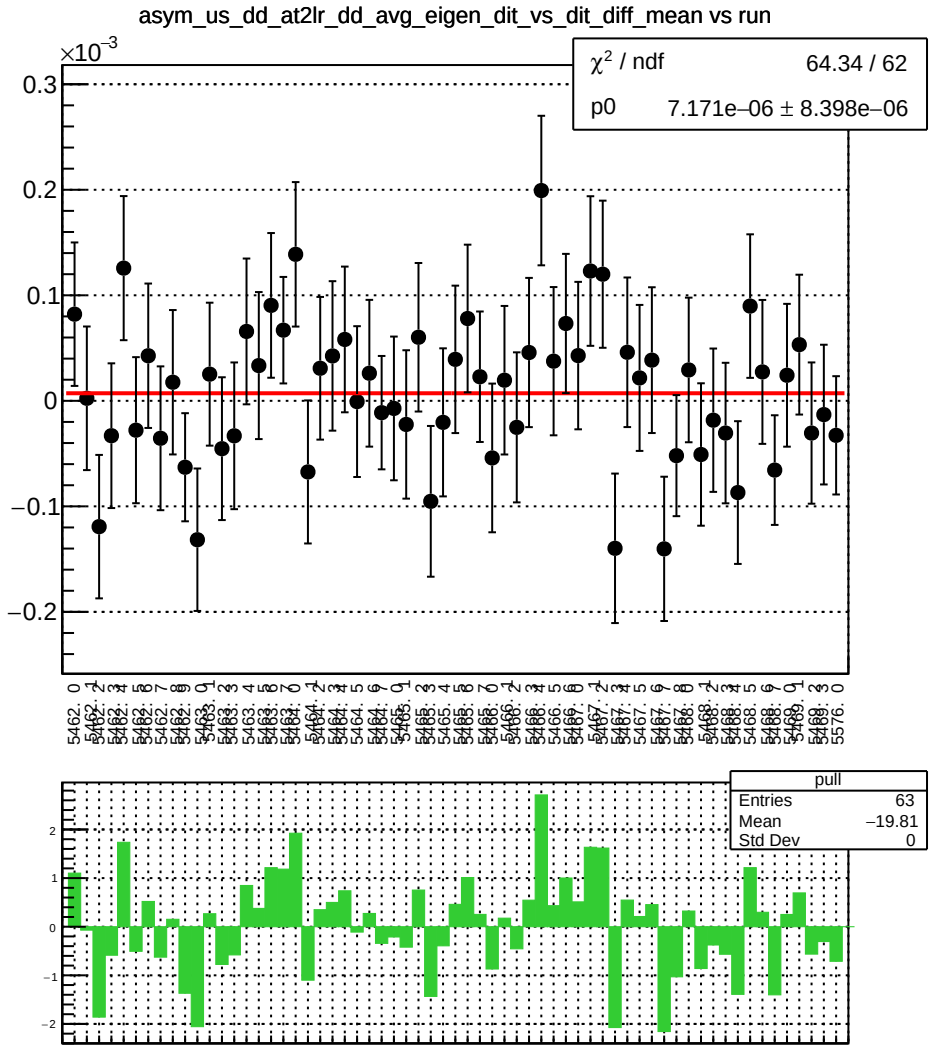

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.34e+05 / 62
p0 5.355e−11 ± 8.723e−14
3000
2500
2000
1500
1000
500
0

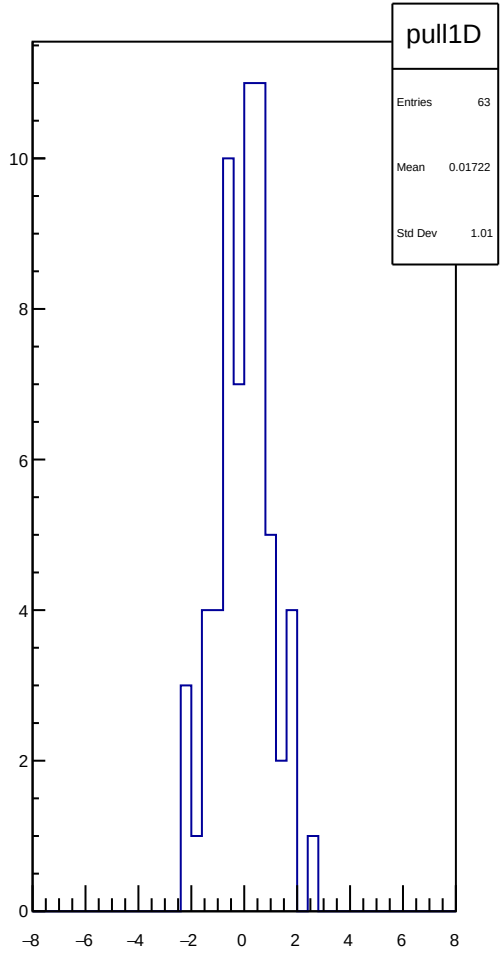

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.74 / 62
p0 0.2535 ± 0.8075
pull
Entries 63
Mean 1875
Std Dev 0
pull1D
Entries 63
Mean −0.001096
Std Dev 1.037

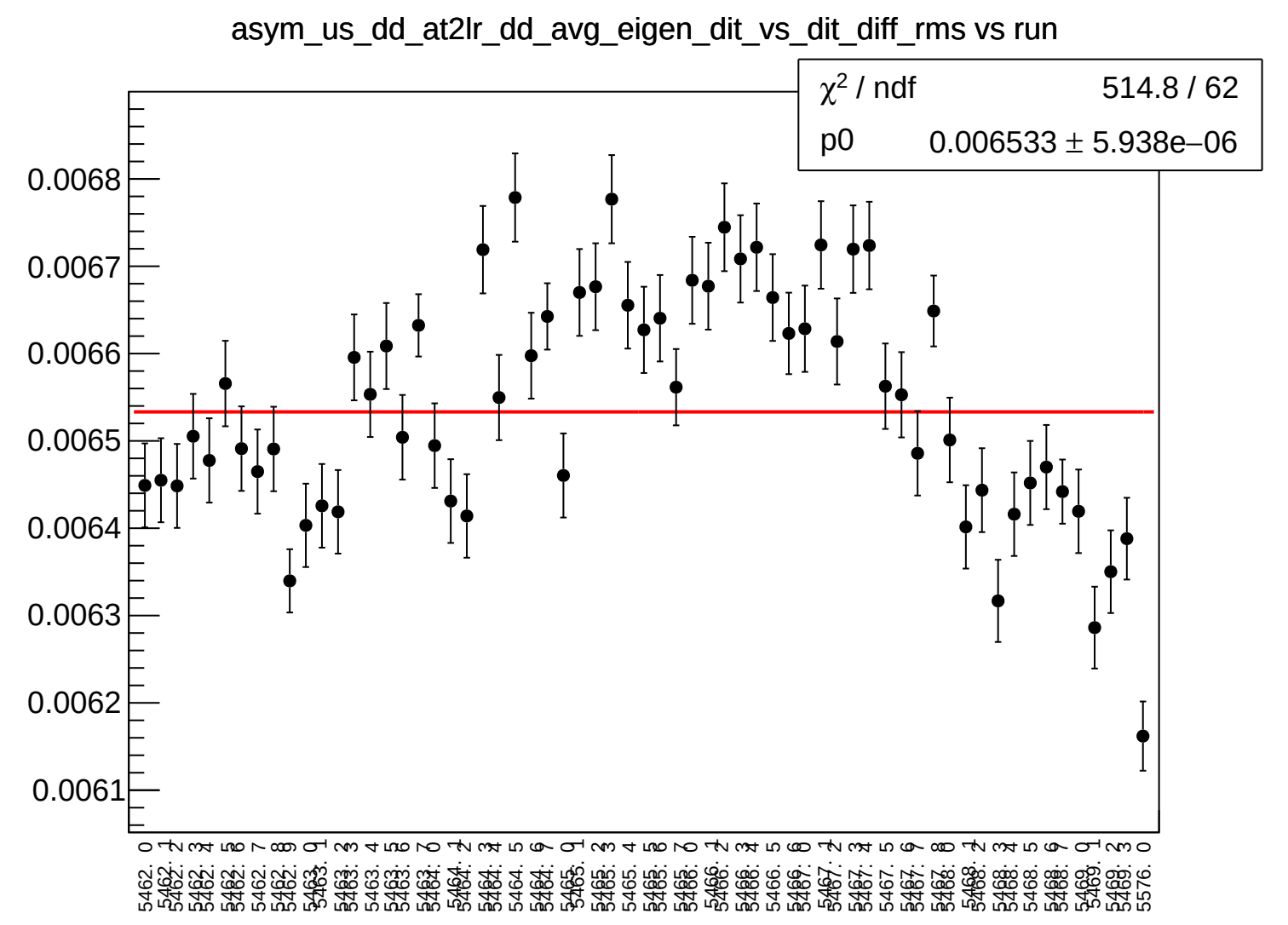

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 62
p0 624.9 ± 0.571
750
700
650
600
550
500
450
400

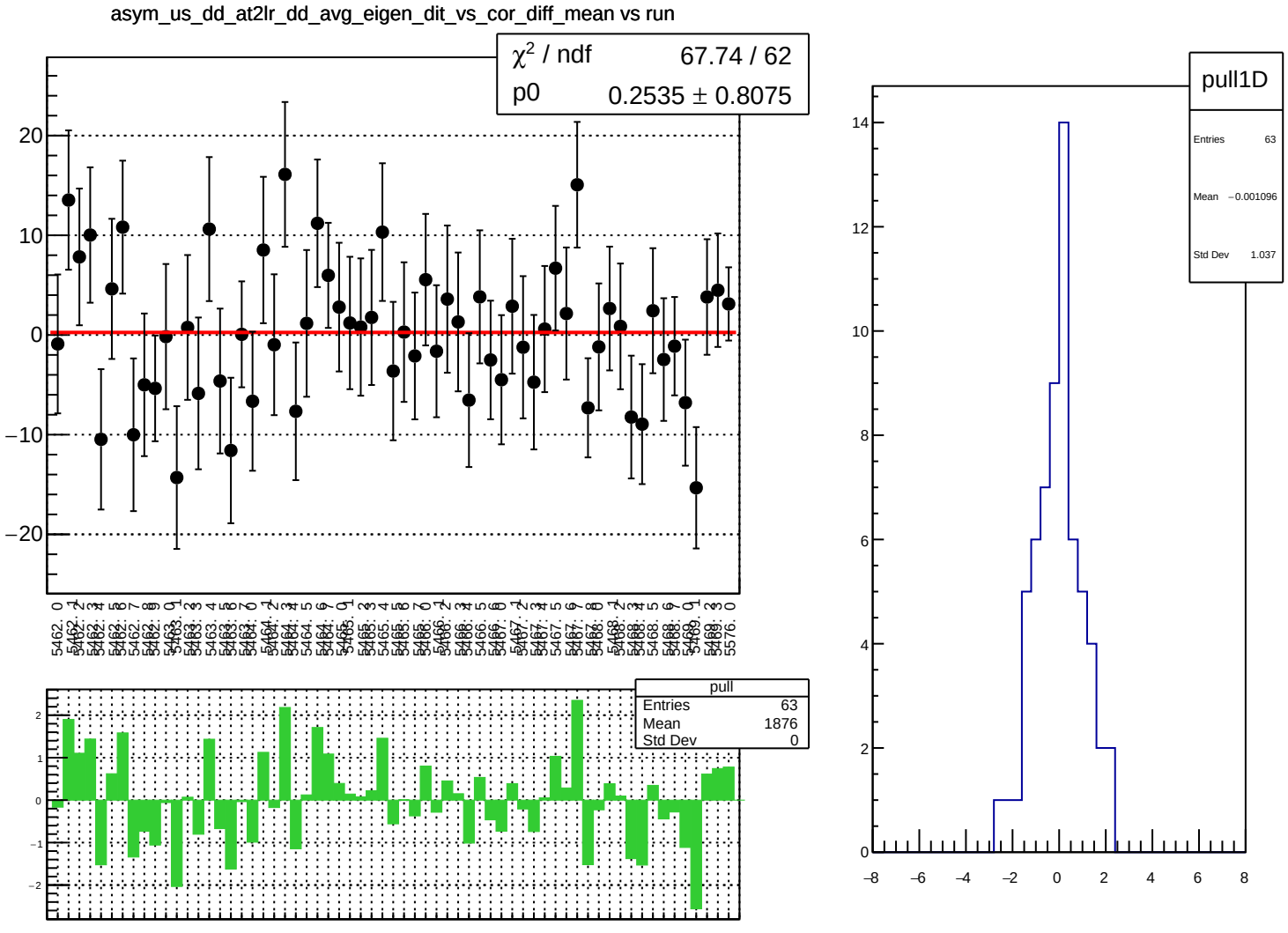

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.74 / 62
p0 0.2535 ± 0.8075
pull
Entries 63
Mean 1875
Std Dev 0
pull1D
Entries 63
Mean −0.001096
Std Dev 1.037

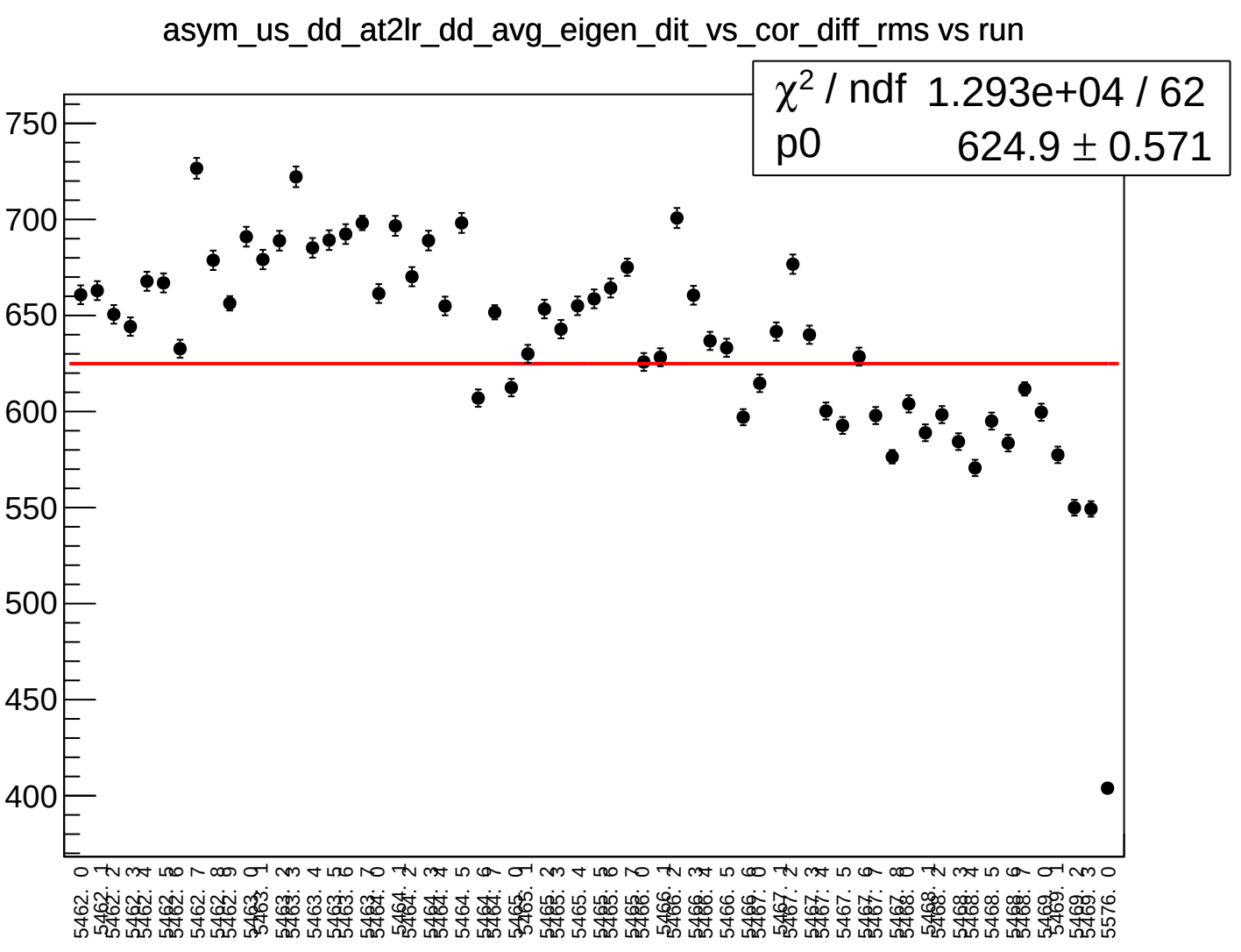

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 62
p0 624.9 ± 0.571
750
700
650
600
550
500
450
400

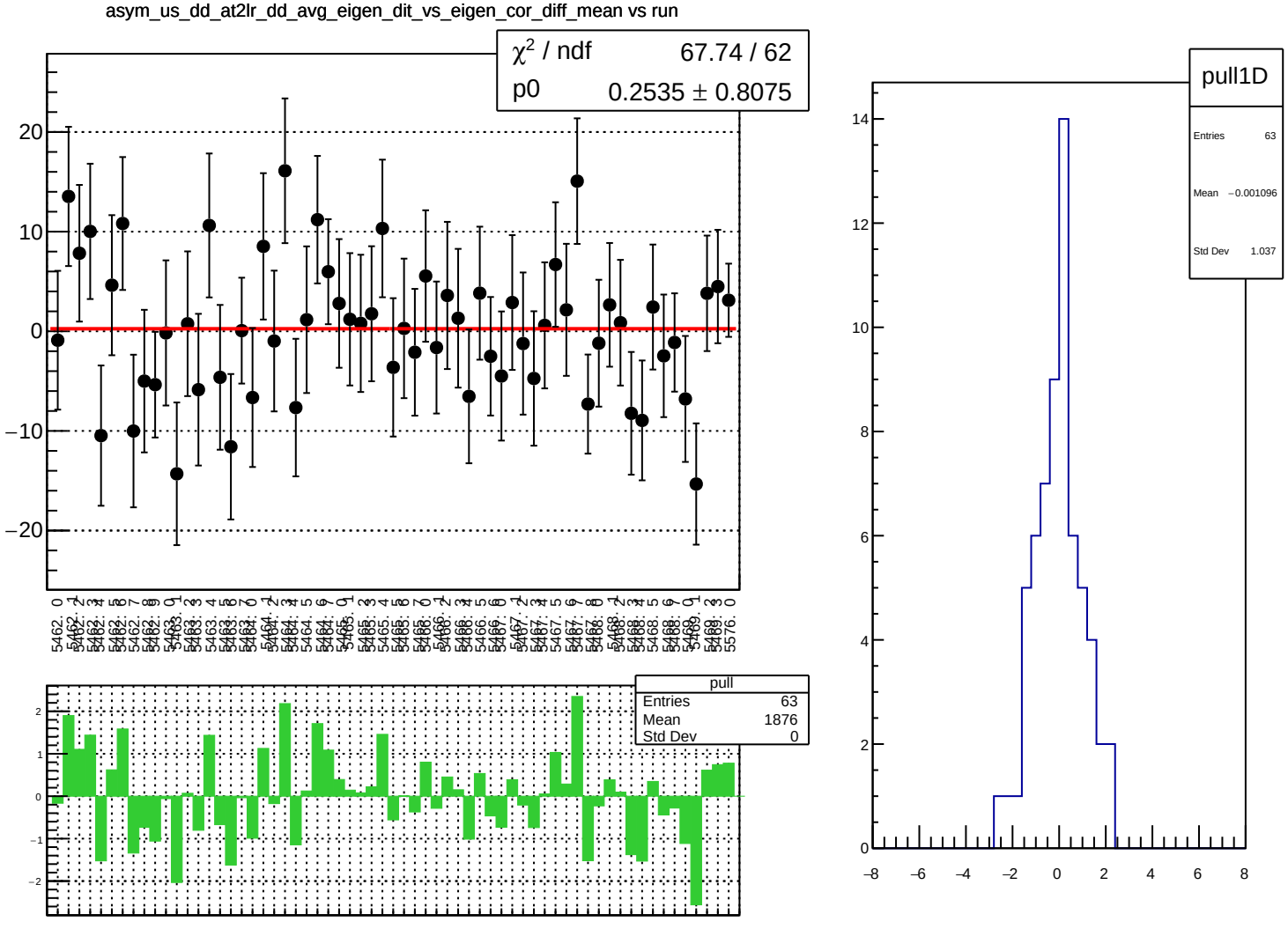

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.34 / 62
p0 7.171e−06 ± 8.398e−06
pull
Entries 63
Mean −19.81
Std Dev 0

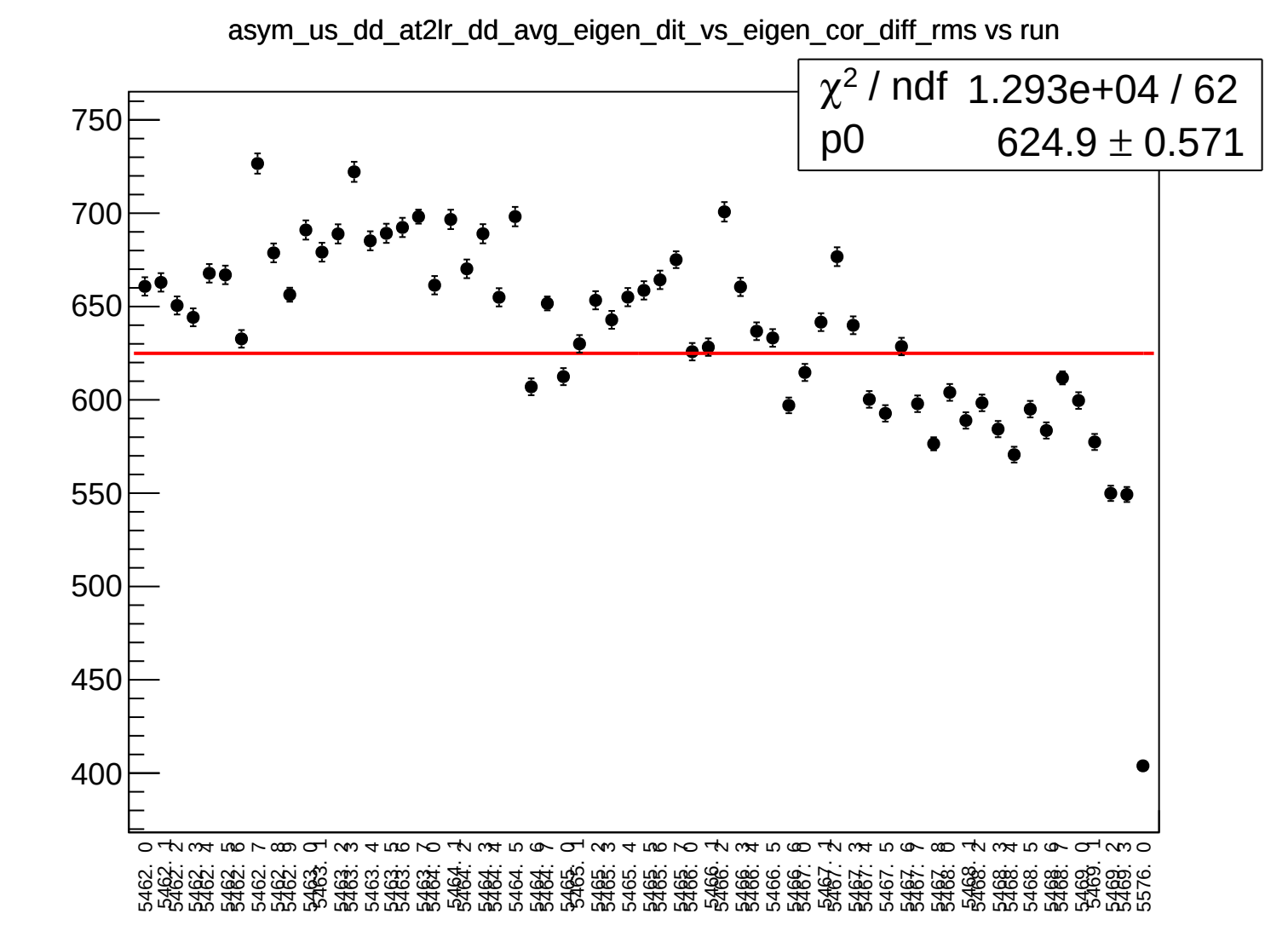

pull1D
Entries 63
Mean 0.01722
Std Dev 1.01

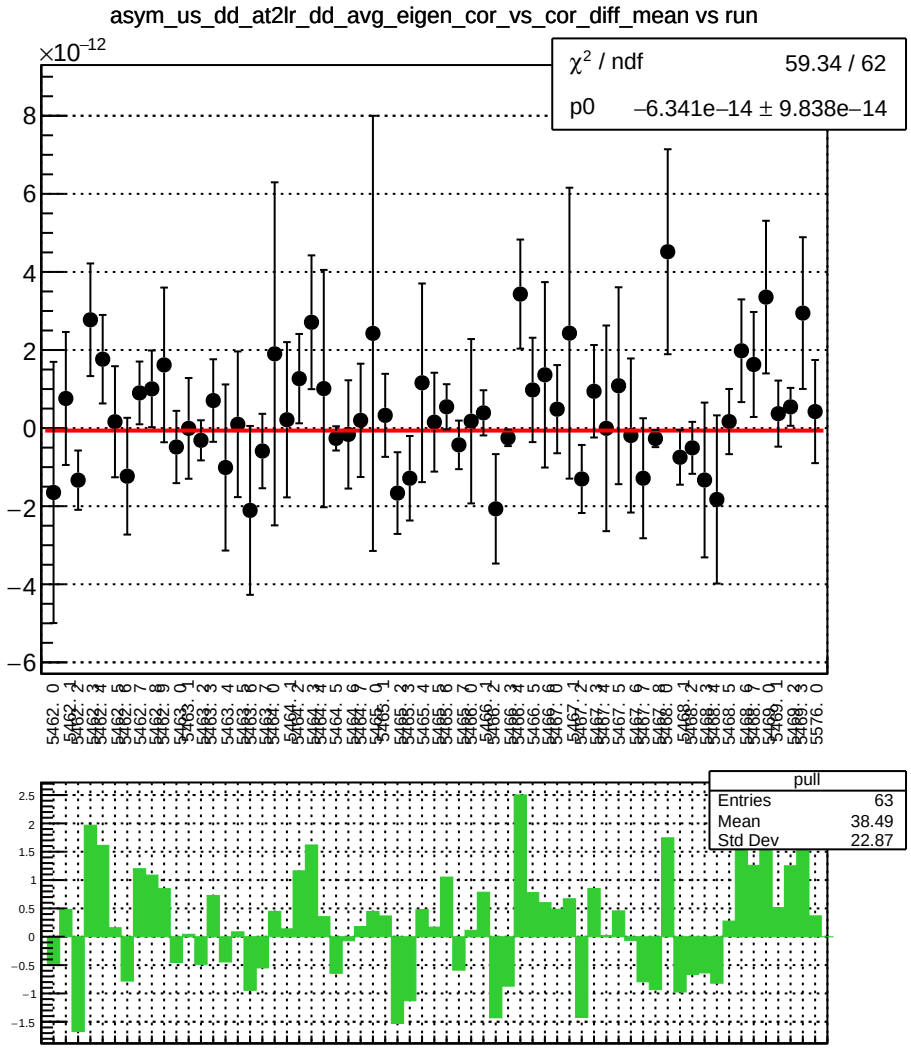

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 514.8 / 62
p0 0.006533 ± 5.938e−06
0.0068
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062
0.0061

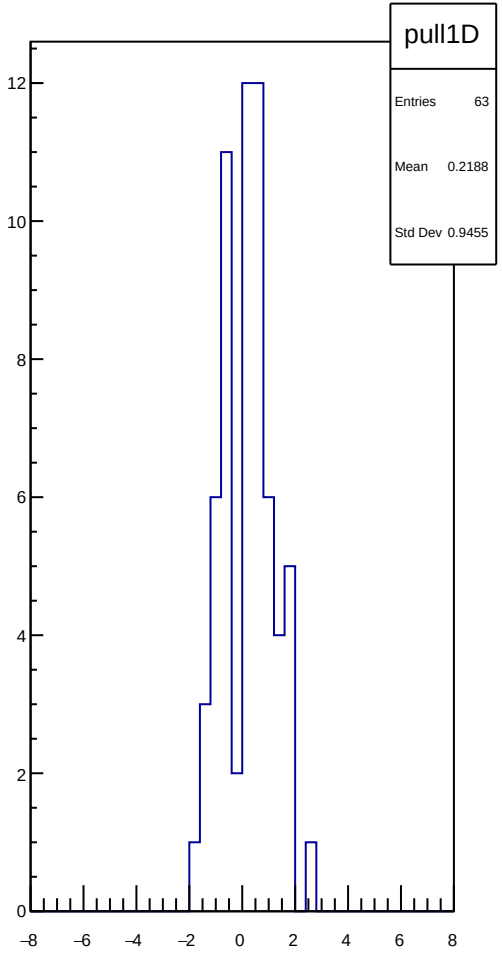

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ^2 / ndf 67.74 / 62
p0 0.2535 ± 0.8075
pull
Entries 63
Mean 1876
Std Dev 0
pull1D
Entries 63
Mean −0.001096
Std Dev 1.037

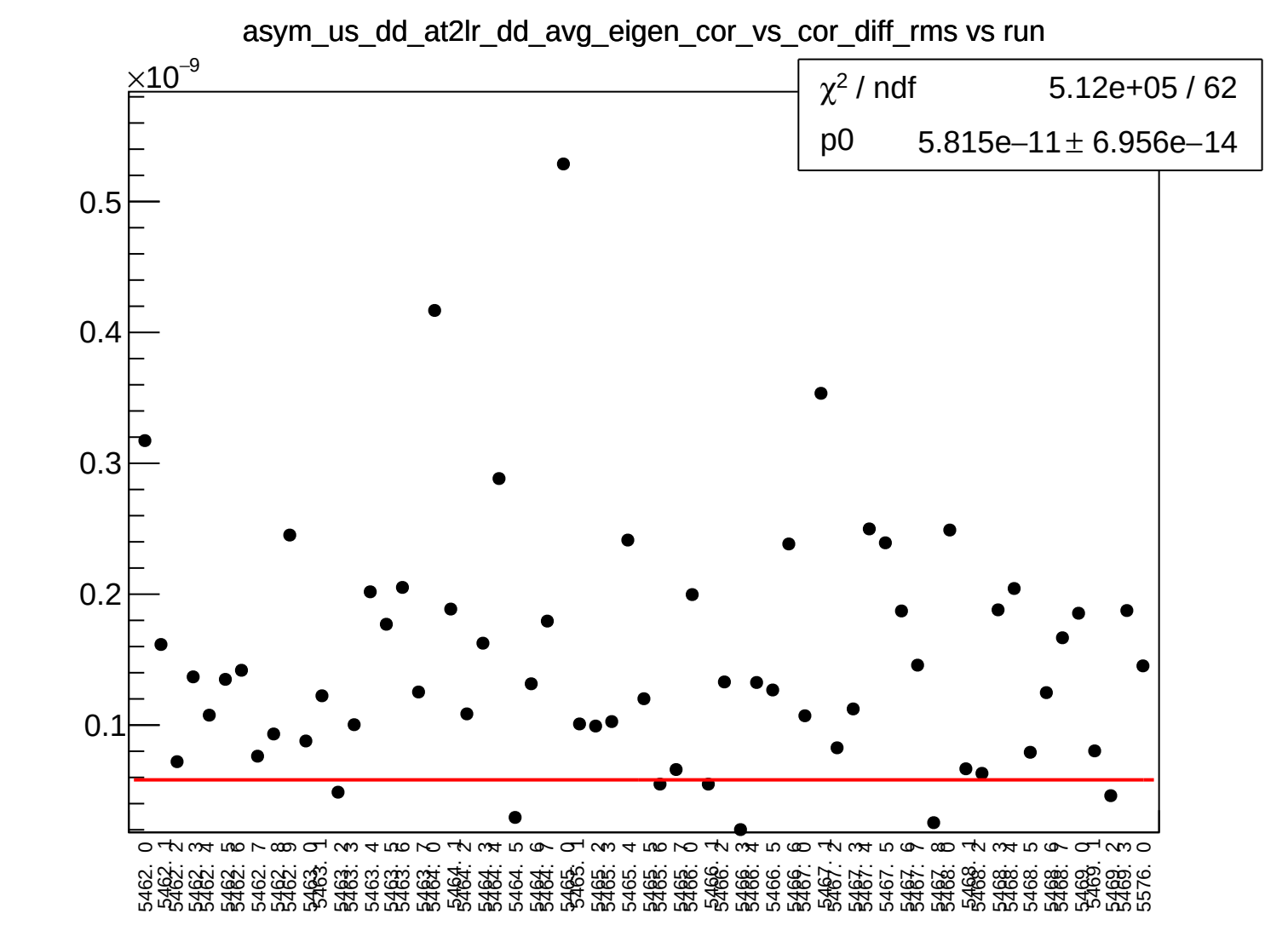

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 62
p0 624.9 ± 0.571
750
700
650
600
550
500
450
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

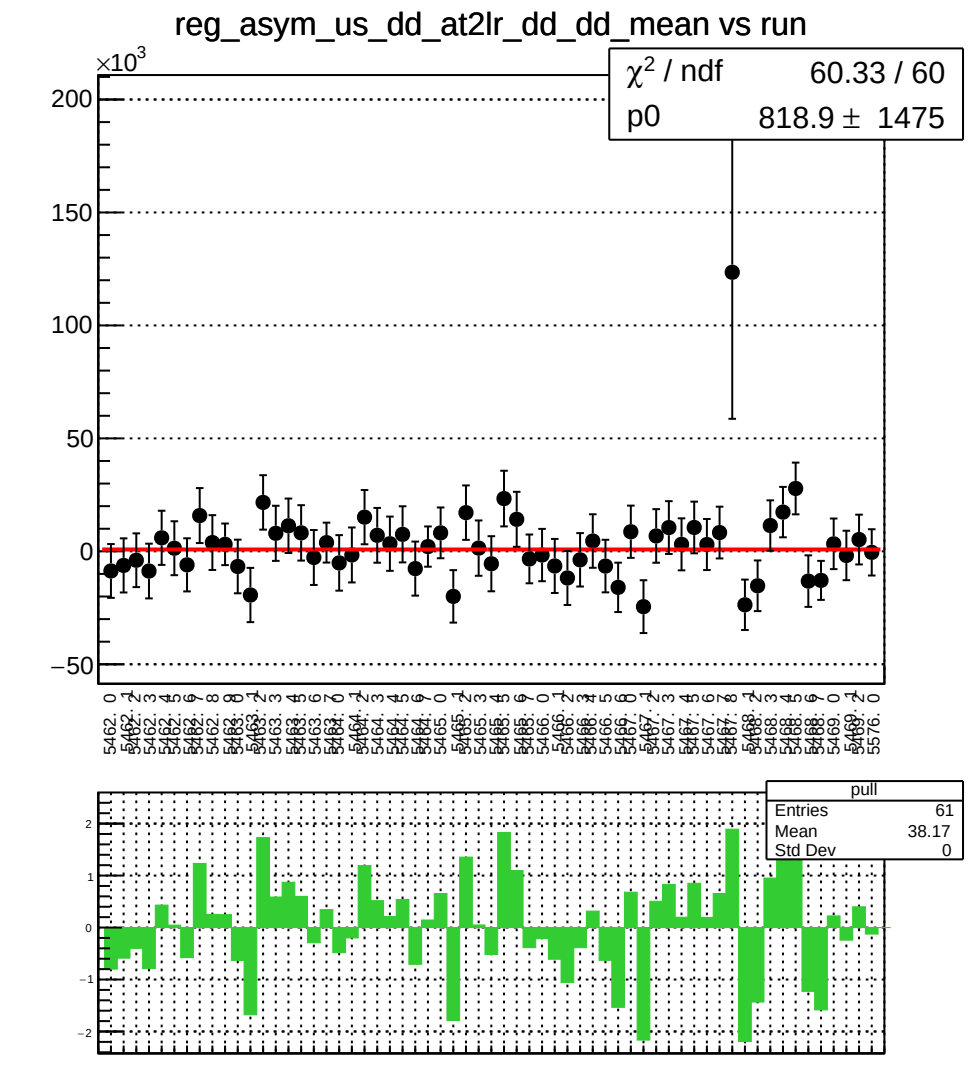

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.74 / 62
p0 0.2535 ± 0.8075
pull
Entries 63
Mean 1876
Std Dev 0
pull1D
Entries 63
Mean −0.001096
Std Dev 1.037

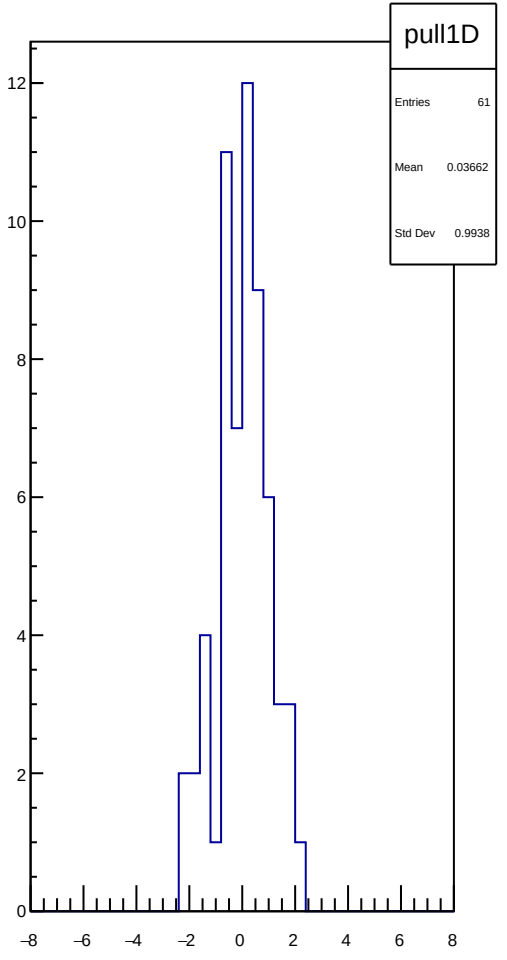

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 62
p0 624.9 ± 0.571
750
700
650
600
550
500
450
400

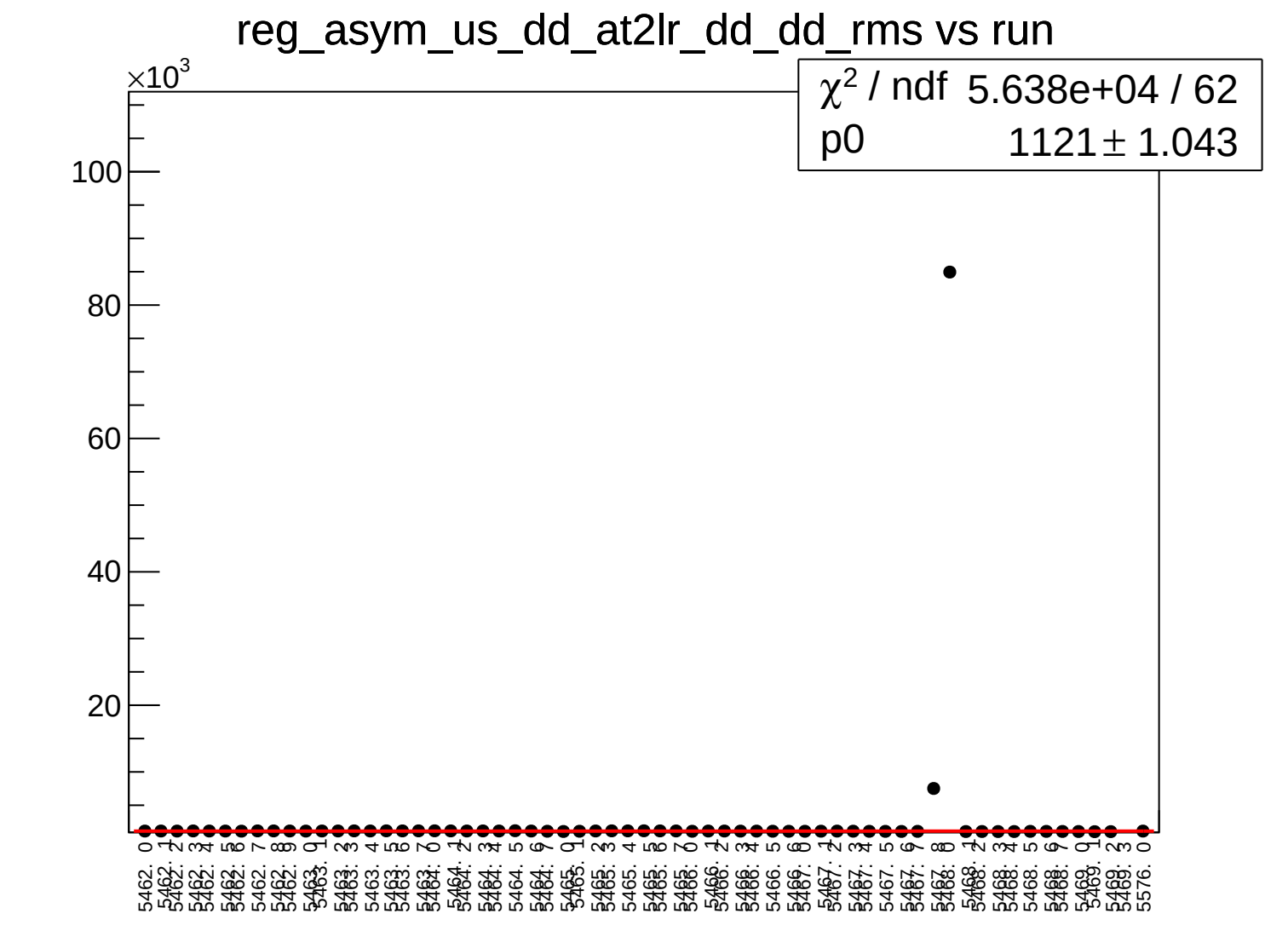

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.34 / 62
p0 −6.341e−14 ± 9.838e−14
pull
Entries 63
Mean 38.49
Std Dev 22.87

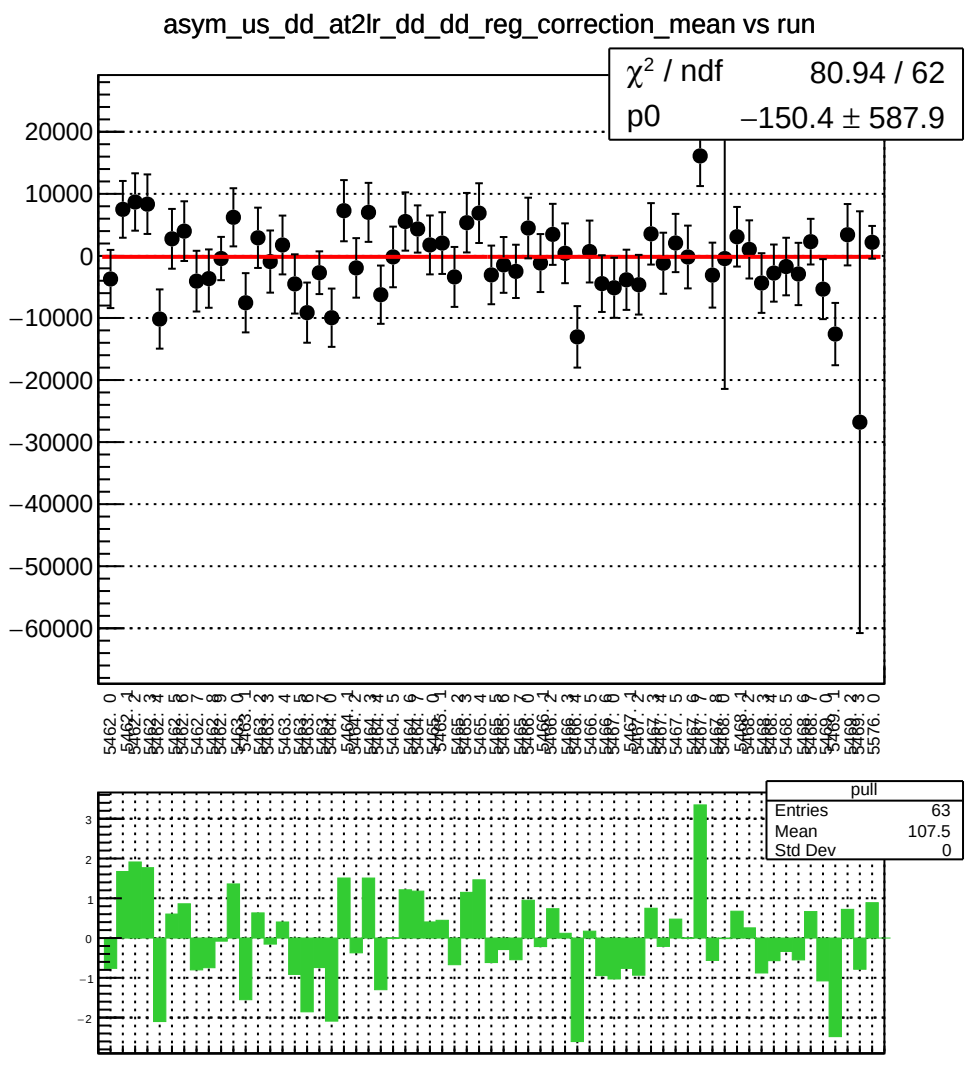

pull1D
Entries 63
Mean 0.2188
Std Dev 0.9455

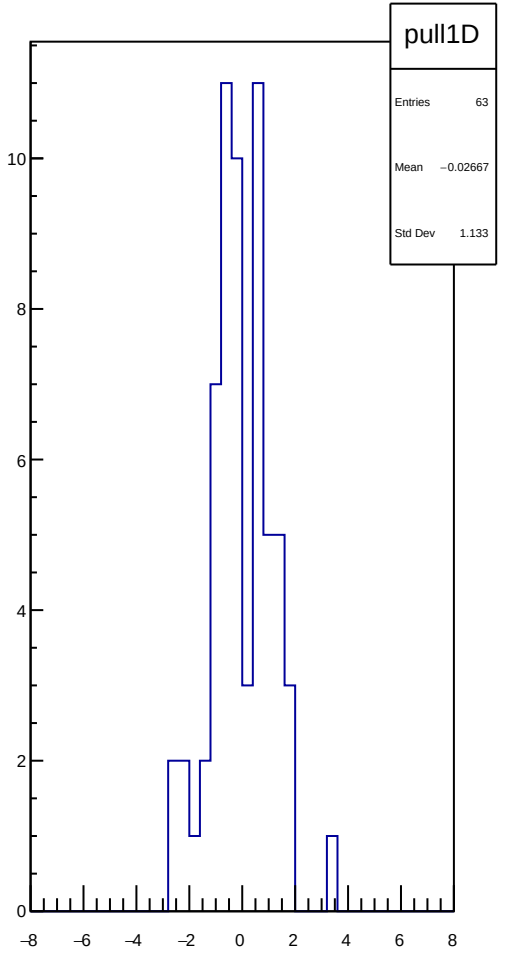

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.12e+05 / 62
p0 5.815e−11 ± 6.956e−14
0.5
0.4
0.3
0.2
0.1

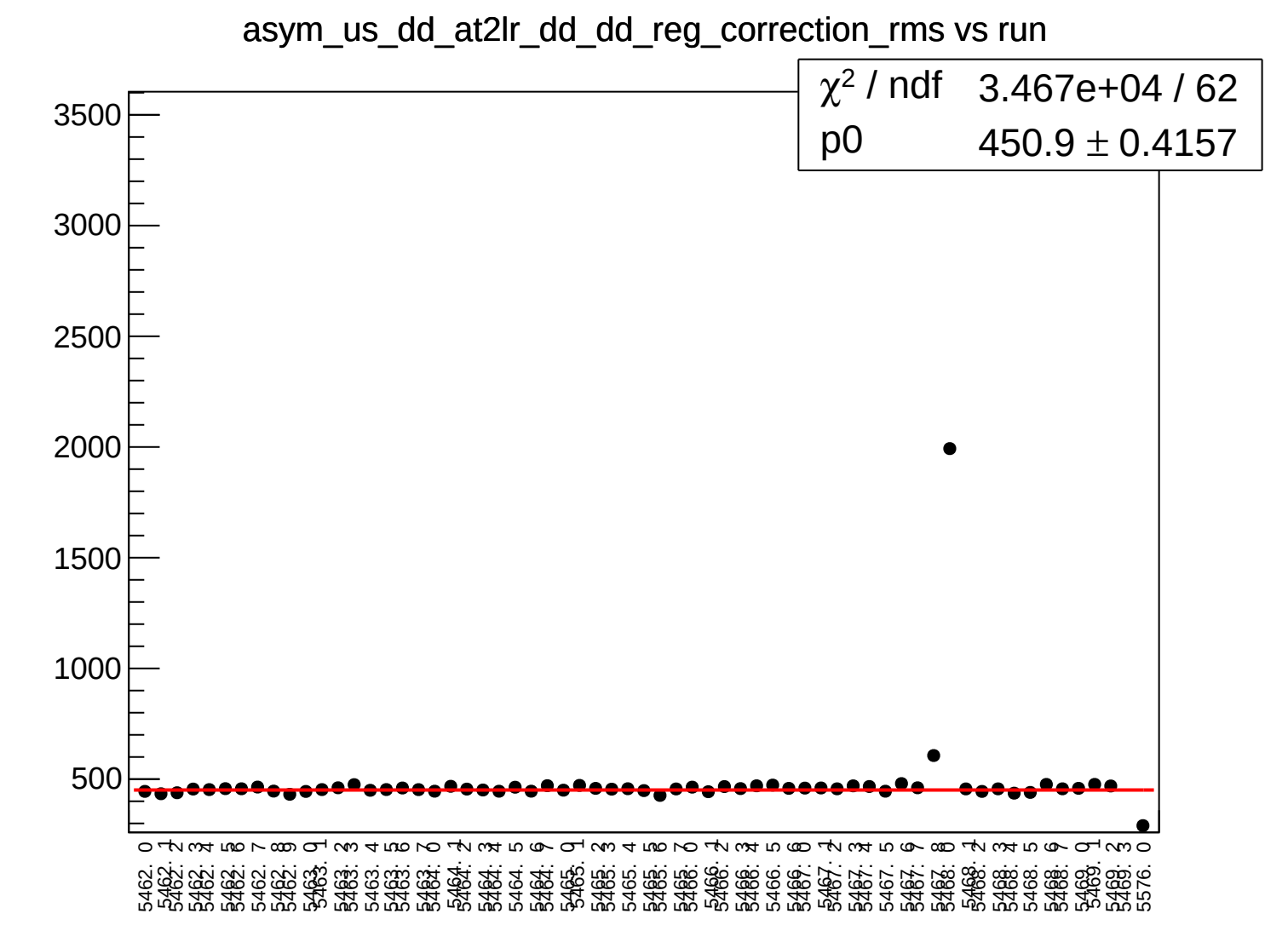

reg_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 60.33 / 60
p0 818.9 ± 1475
200
150
100
50
0
−50
pull
Entries 61
Mean 38.17
Std Dev 0
2
1
0
−1
−2

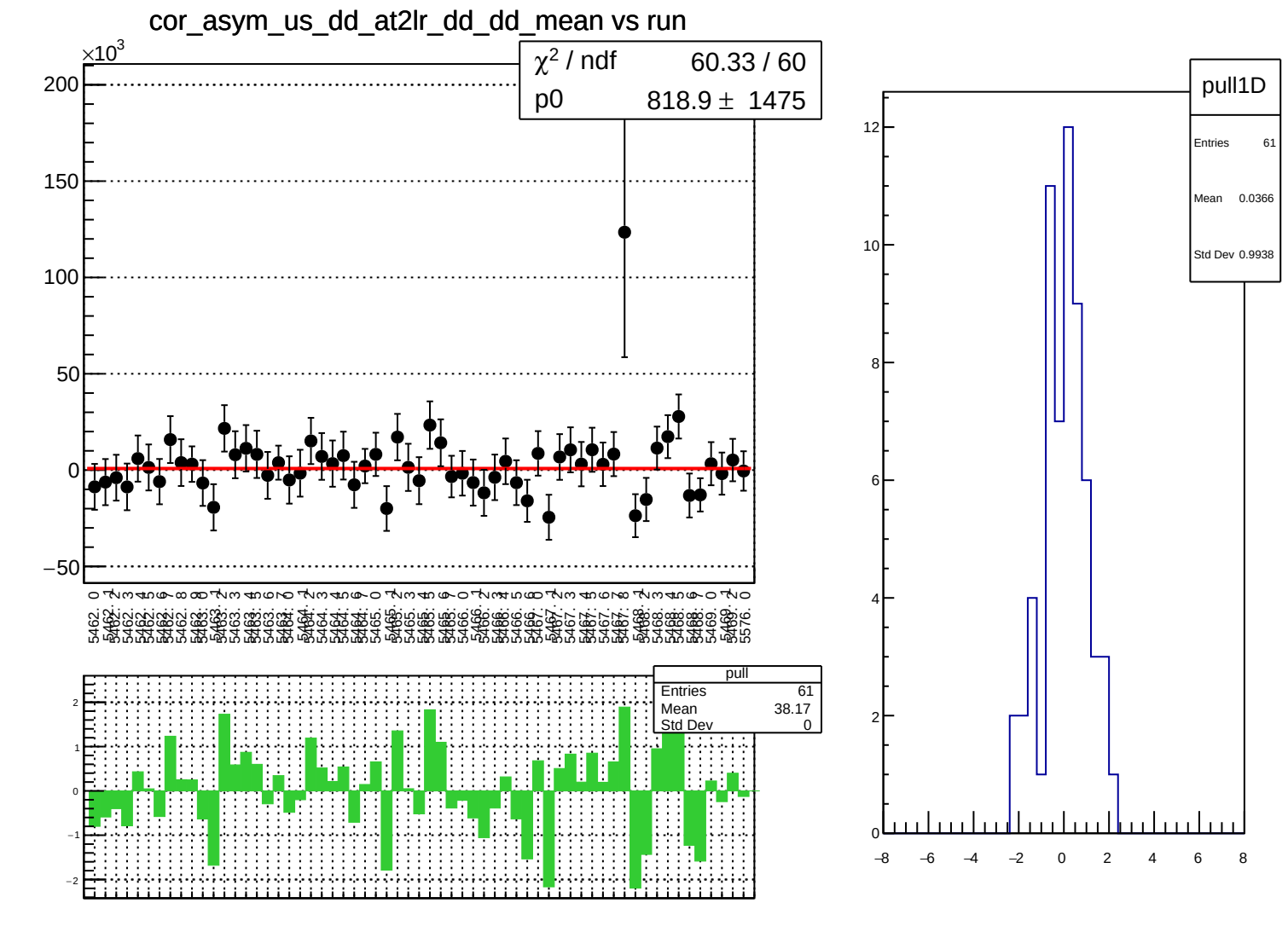

pull1D
Entries 61
Mean 0.03662
Std Dev 0.9938
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

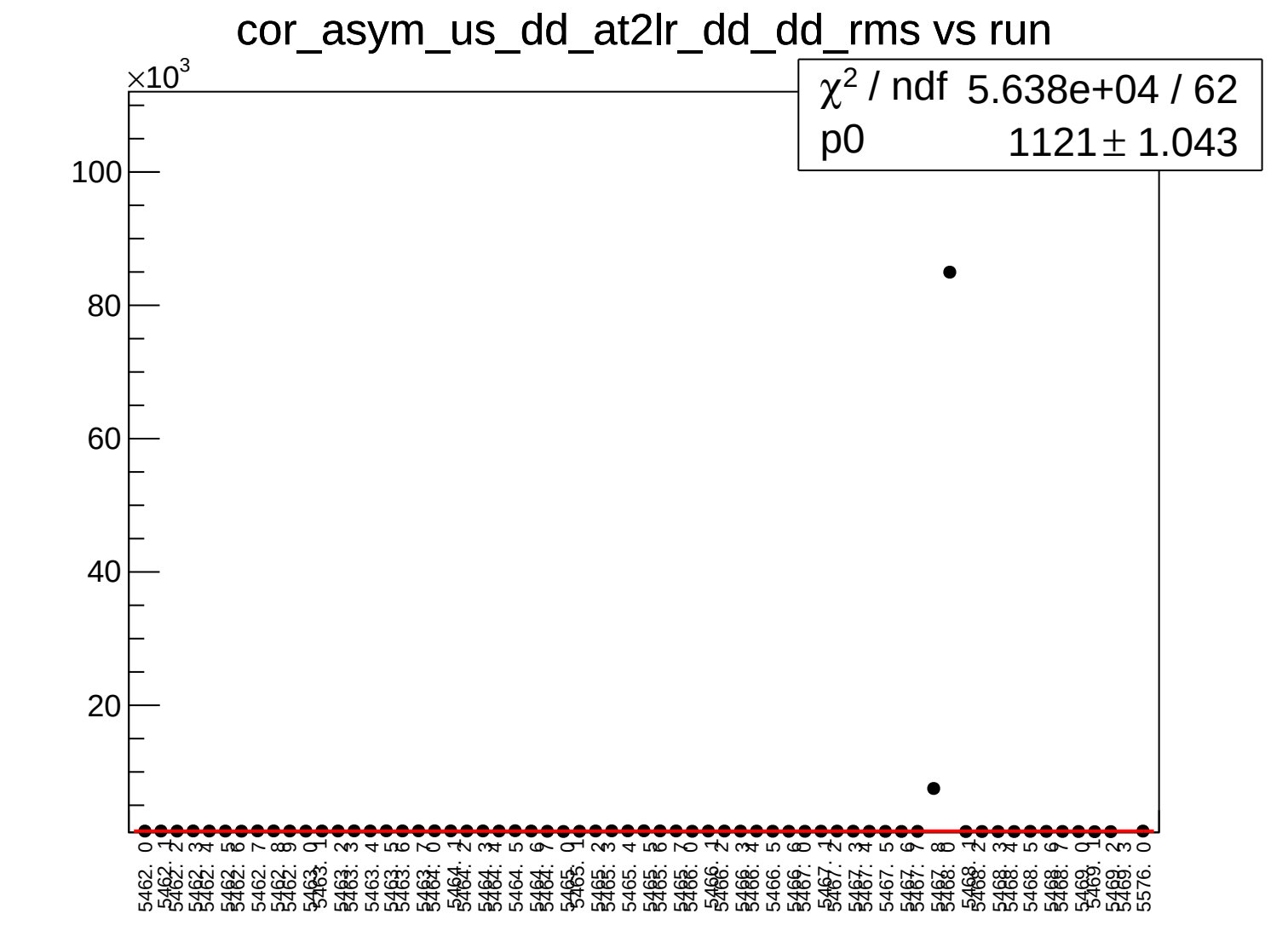

reg_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 5.638e+04 / 62
p0 1121 ± 1.043

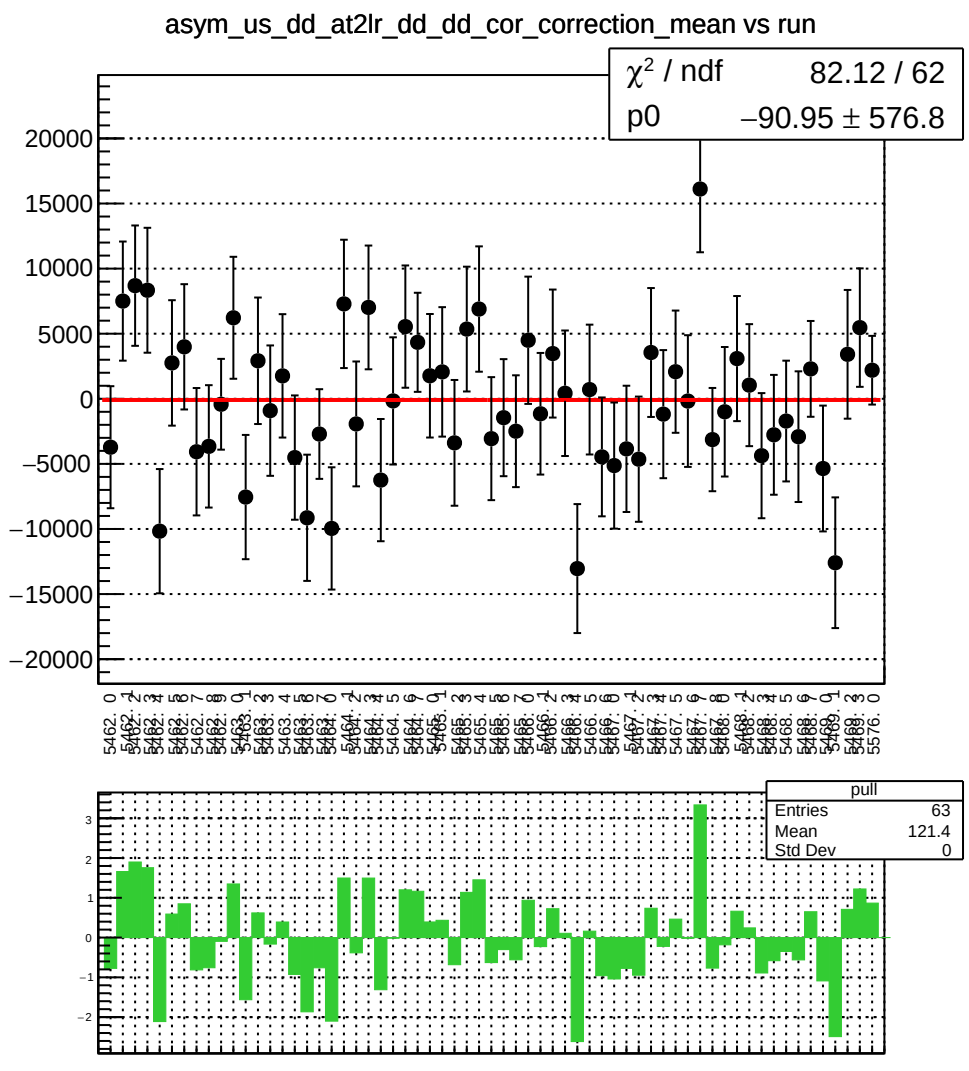

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 80.94 / 62
p0 −150.4 ± 587.9
pull
Entries 63
Mean 107.5
Std Dev 0

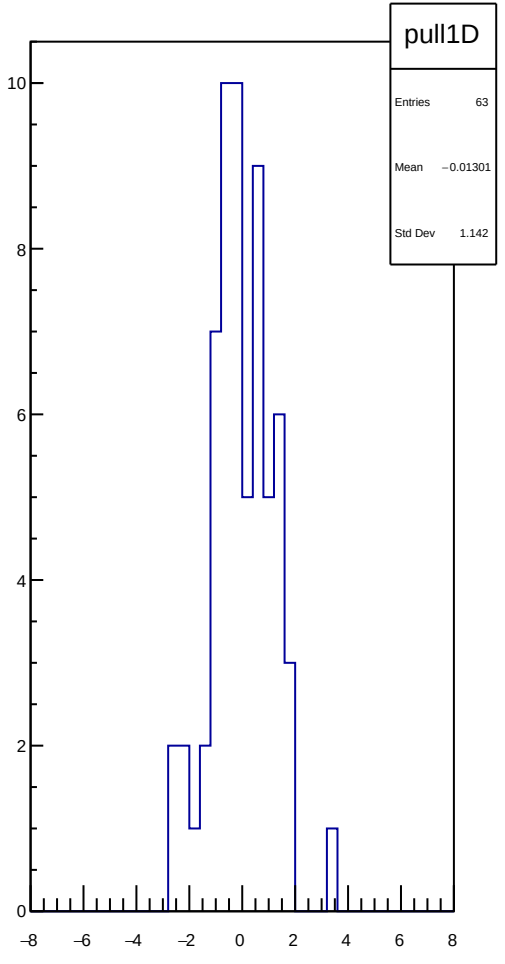

pull1D
Entries 63
Mean −0.02667
Std Dev 1.133

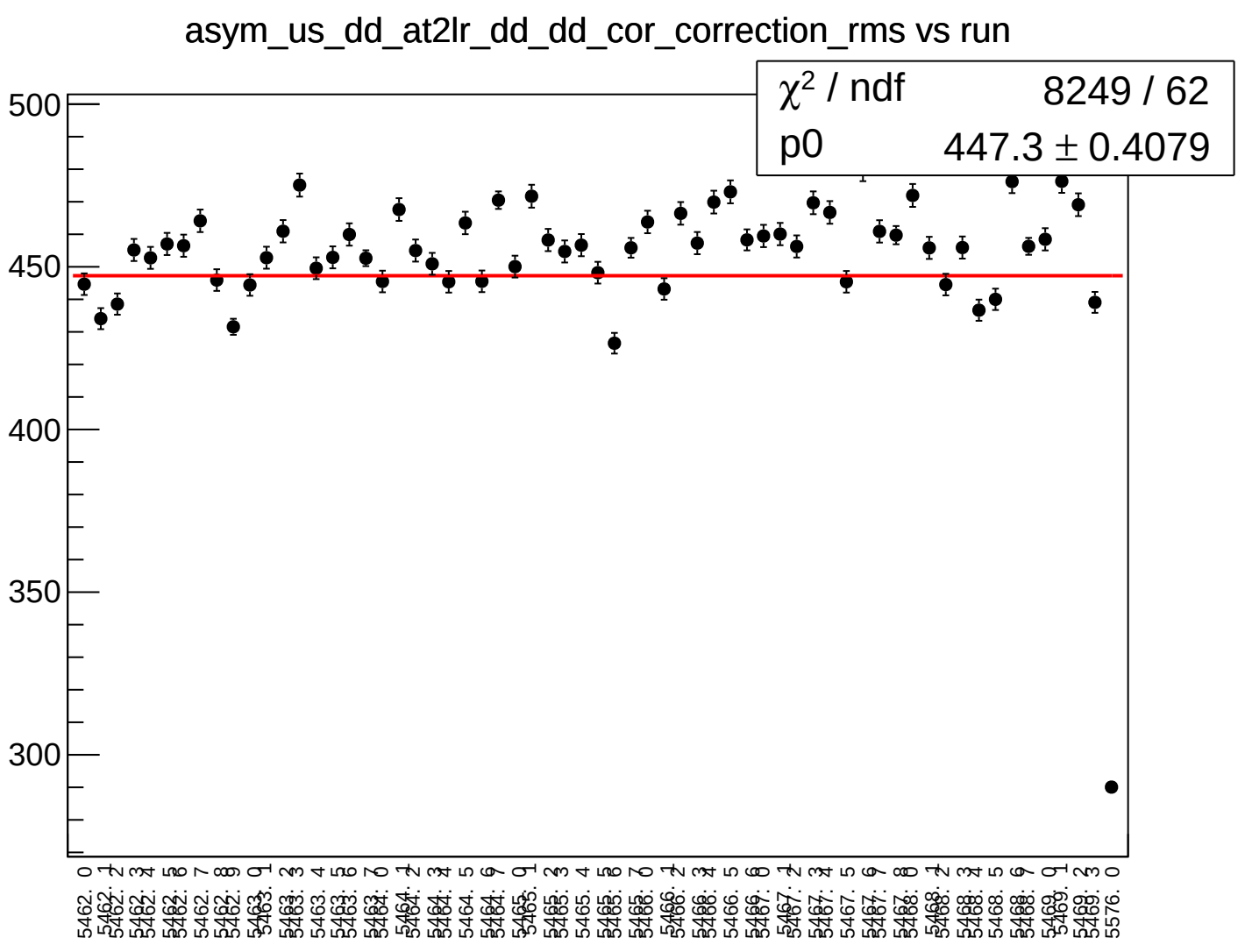

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3.467e+04 / 62
p0 450.9 ± 0.4157
3500
3000
2500
2000
1500
1000
500

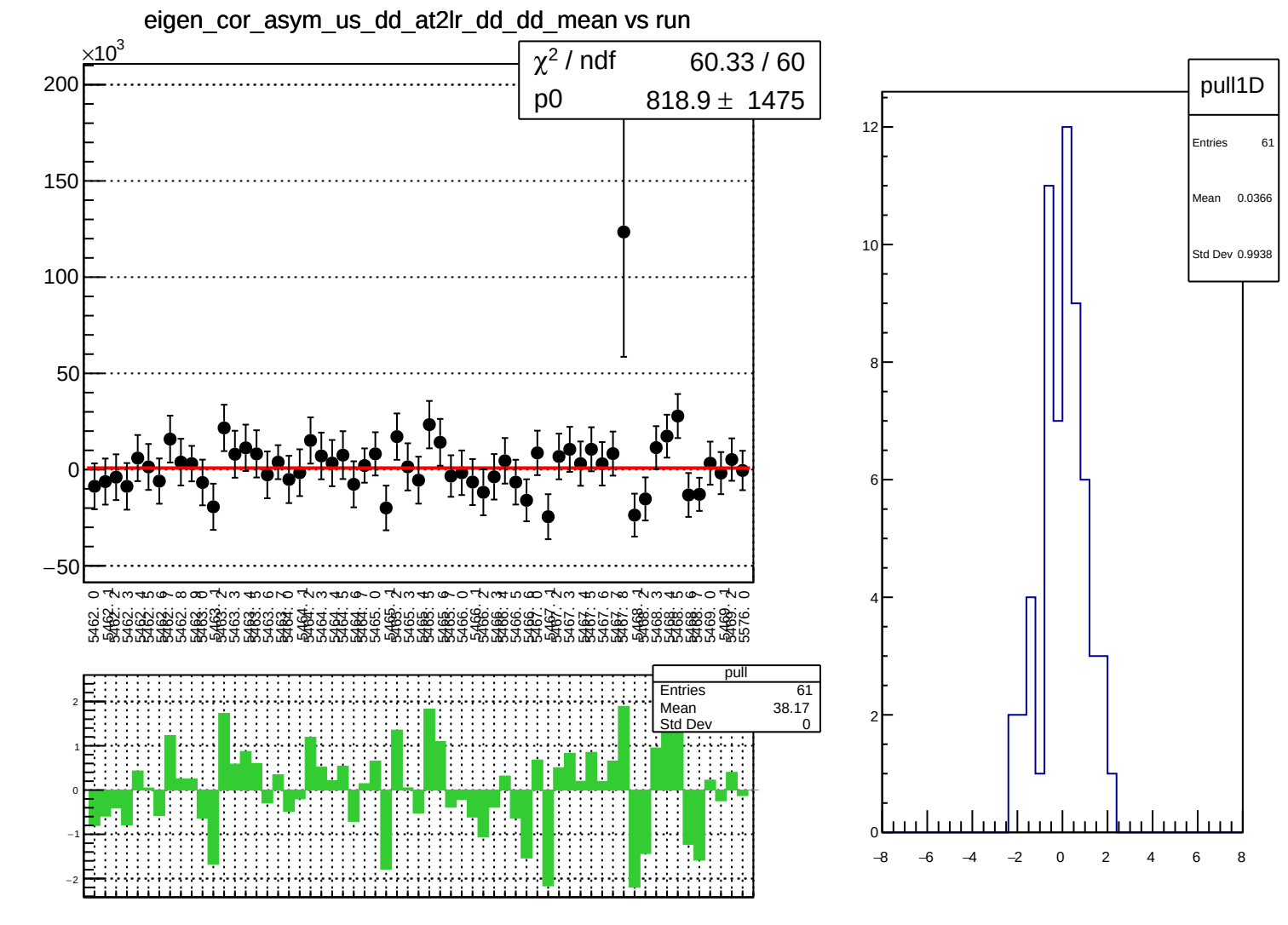

cor_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ^2 / ndf 60.33 / 60
p0 818.9 ± 1475
200
150
100
50
0
−50
pull
Entries 61
Mean 38.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.0366
Std Dev 0.9938
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

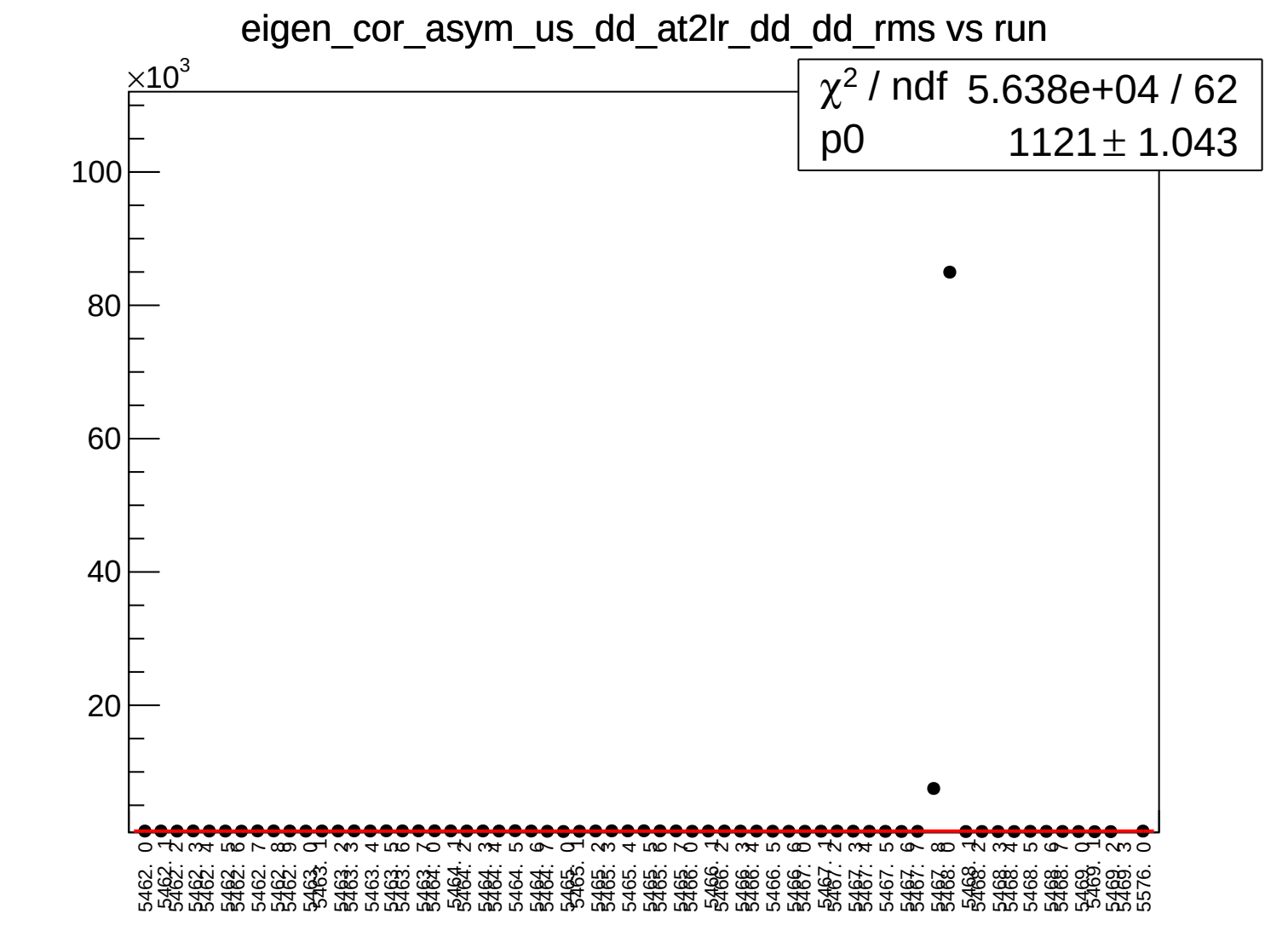

cor_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 5.638e+04 / 62
p0 1121 ± 1.043
100
80
60
40
20

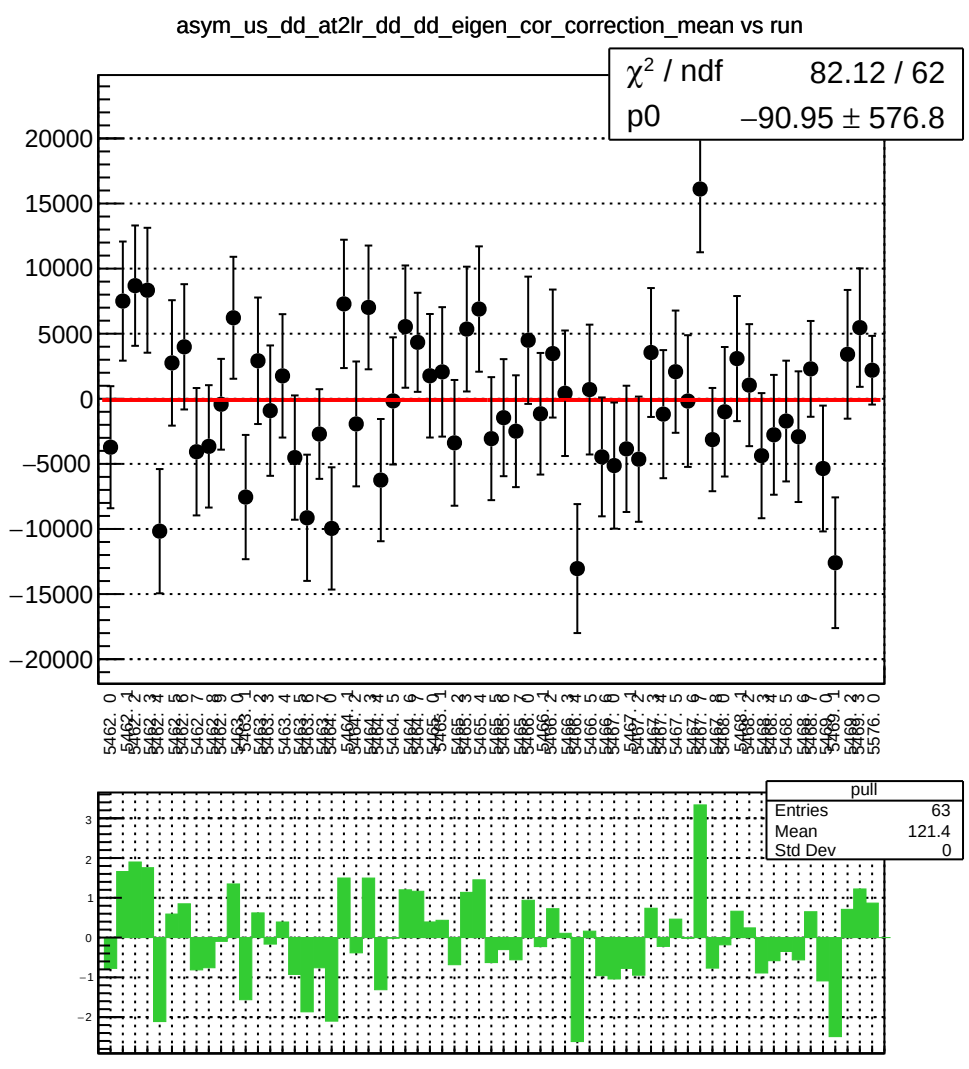

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 82.12 / 62
p0 −90.95 ± 576.8
pull
Entries 63
Mean 121.4
Std Dev 0

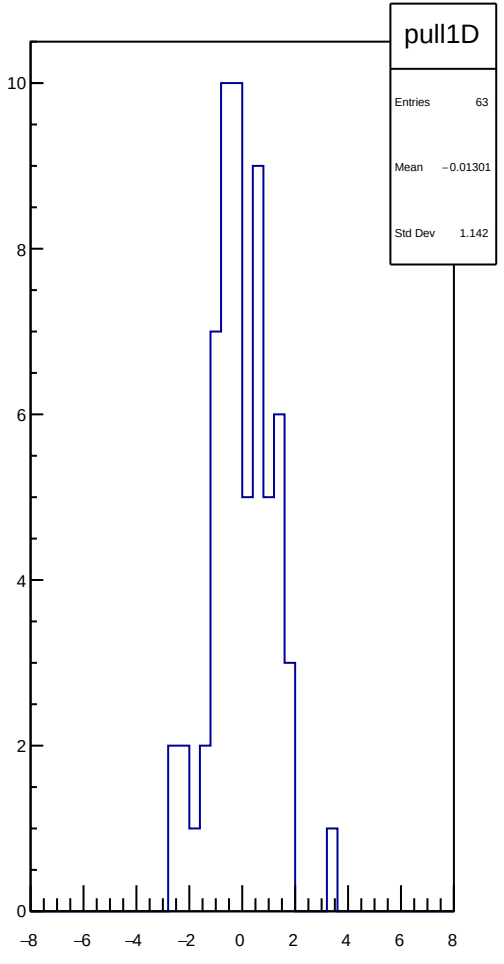

pull1D
Entries 63
Mean −0.01301
Std Dev 1.142

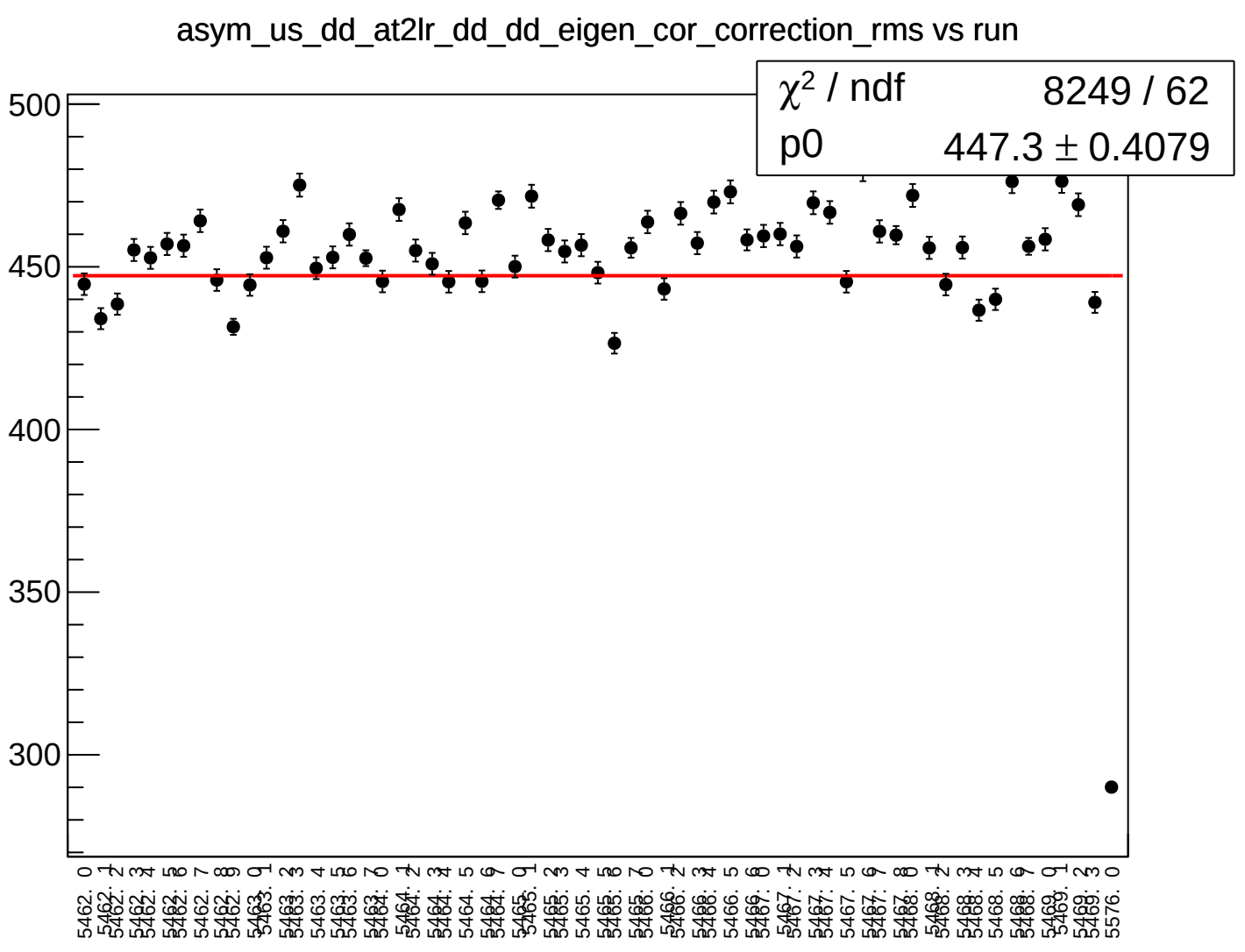

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 8249 / 62
p0 447.3 ± 0.4079
500
450
400
350
300

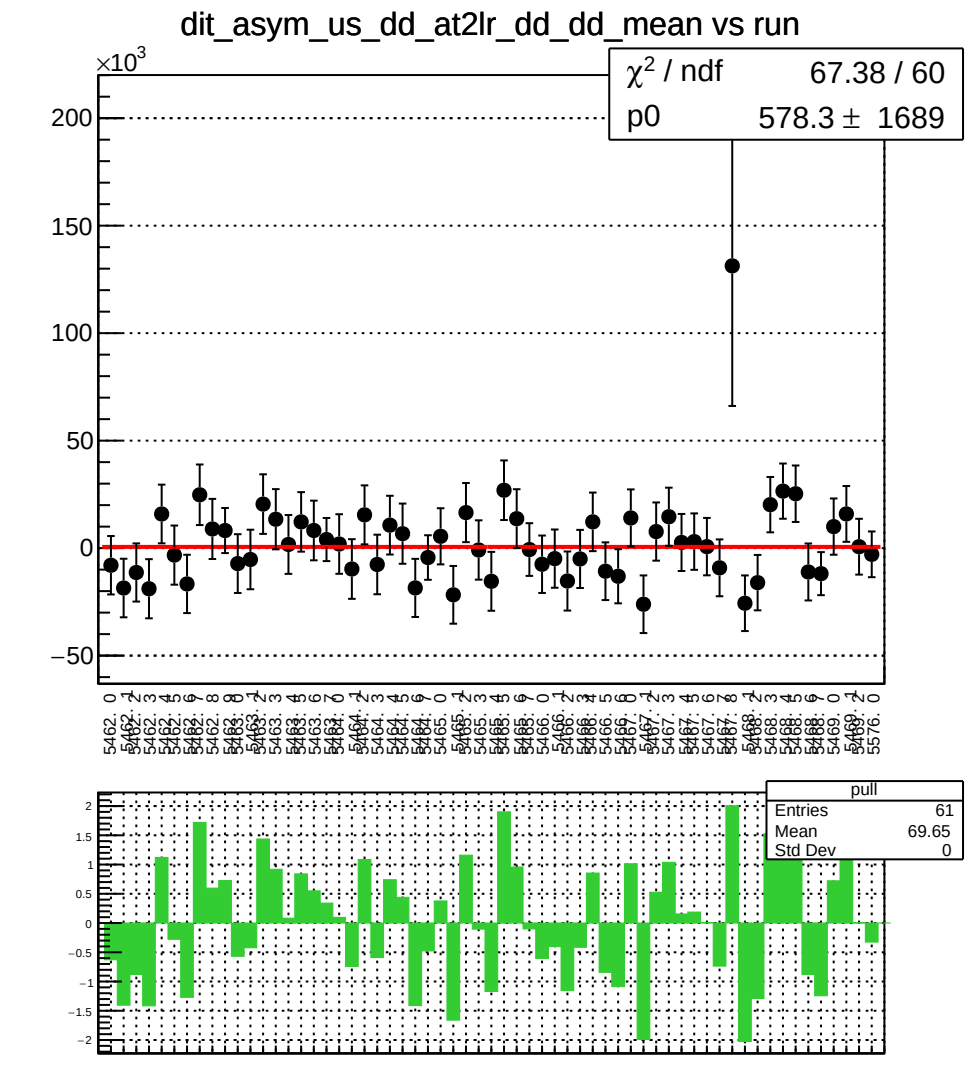

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 60.33 / 60
p0 818.9 ± 1475
200
150
100
50
0
−50
pull
Entries 61
Mean 38.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.0366
Std Dev 0.9938
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

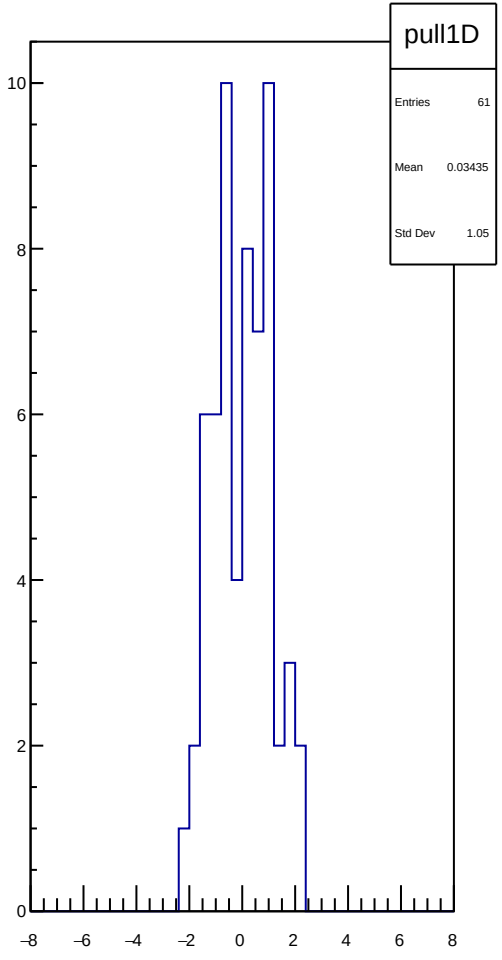

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 5.638e+04 / 62
p0 1121 ± 1.043
100
80
60
40
20

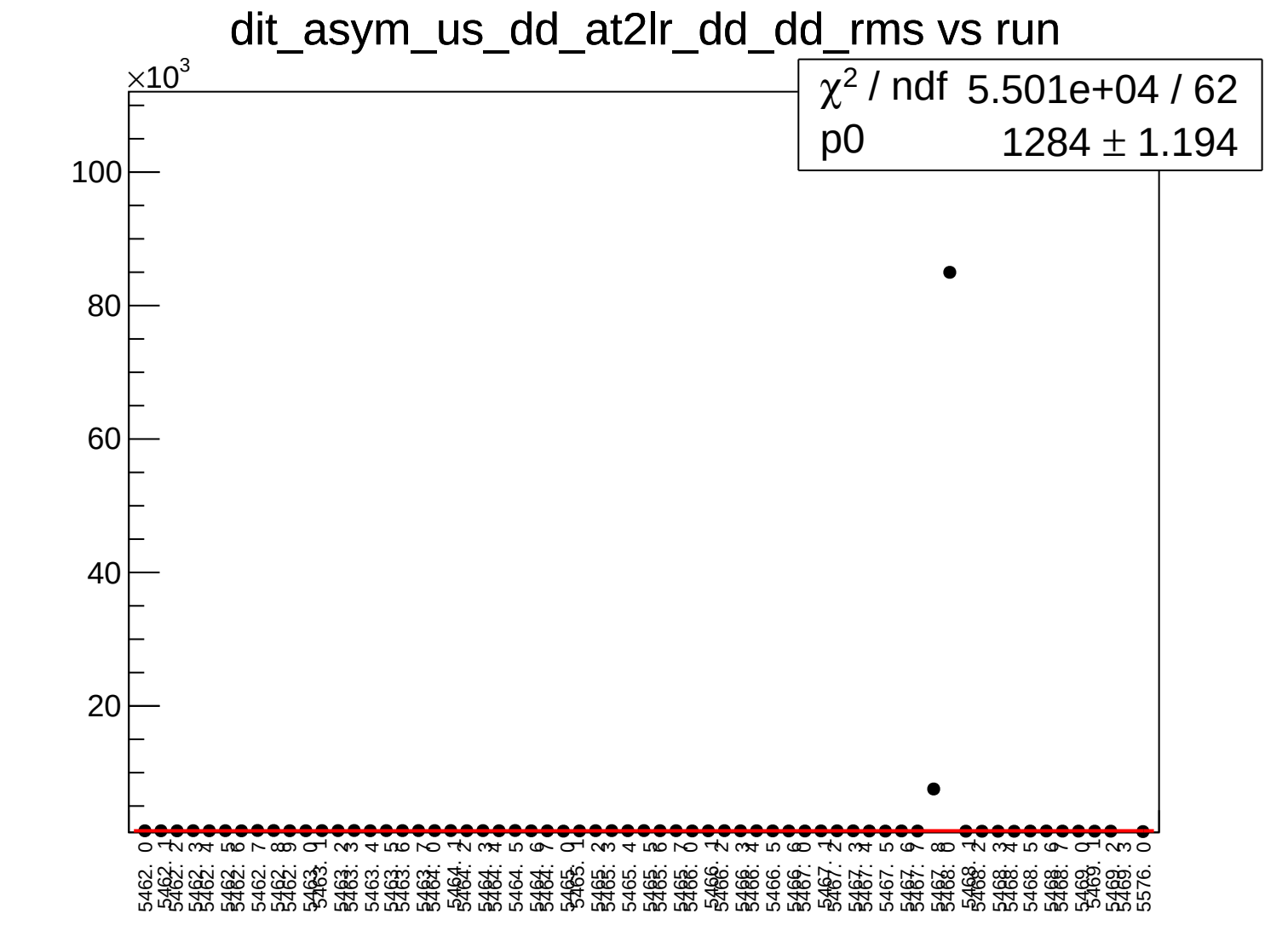

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 82.12 / 62
p0 −90.95 ± 576.8
pull
Entries 63
Mean 121.4
Std Dev 0

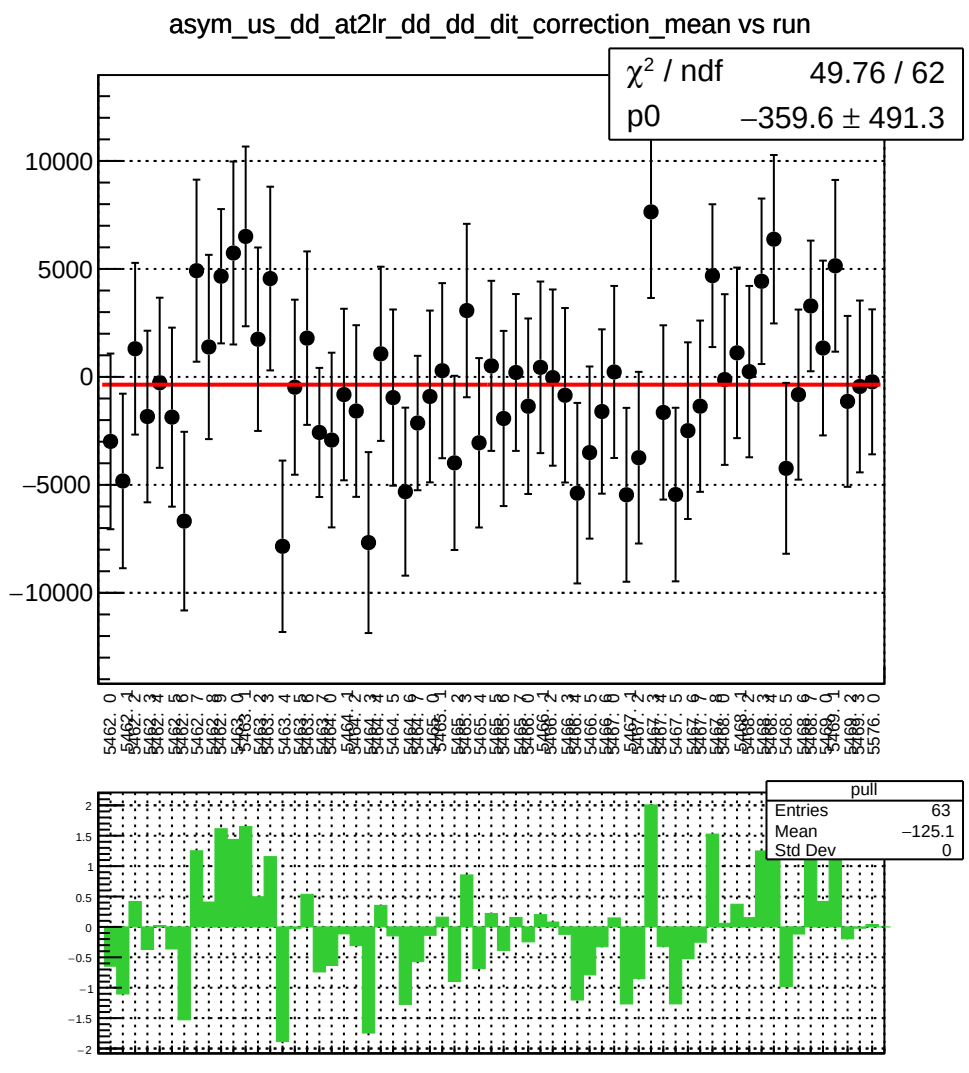

pull1D
Entries 63
Mean −0.01301
Std Dev 1.142

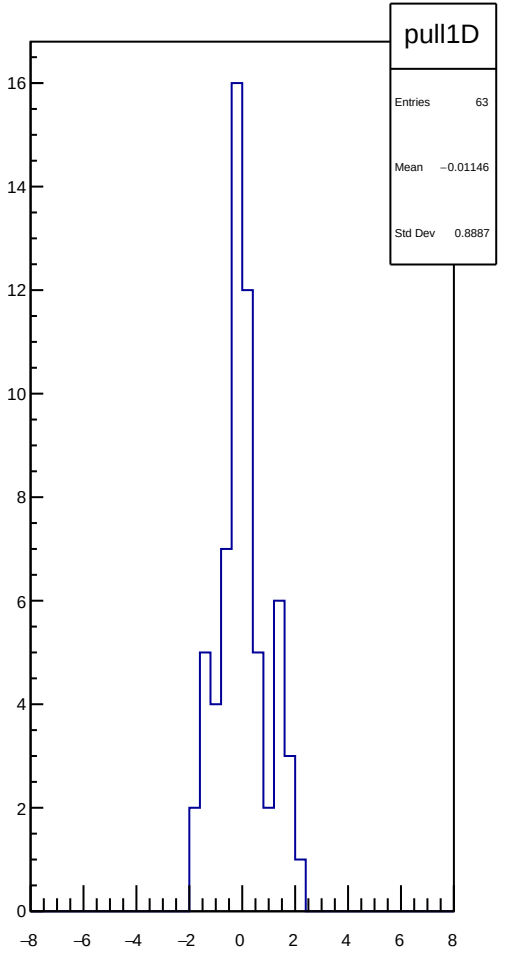

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8249 / 62
p0 447.3 ± 0.4079
500
450
400
350
300

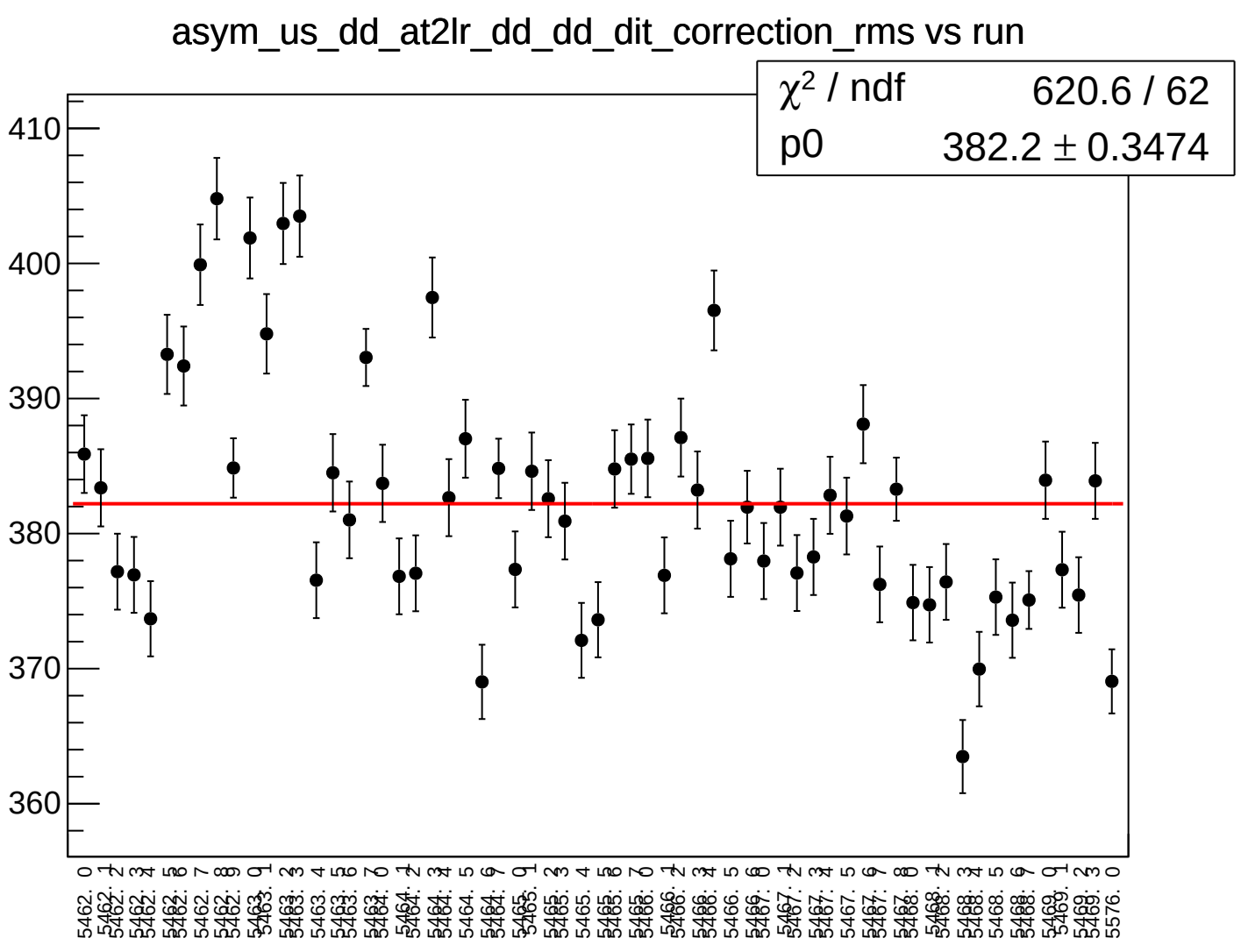

dit_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 67.38 / 60
p0 578.3 ± 1689
200
150
100
50
0
−50
pull
Entries 61
Mean 69.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

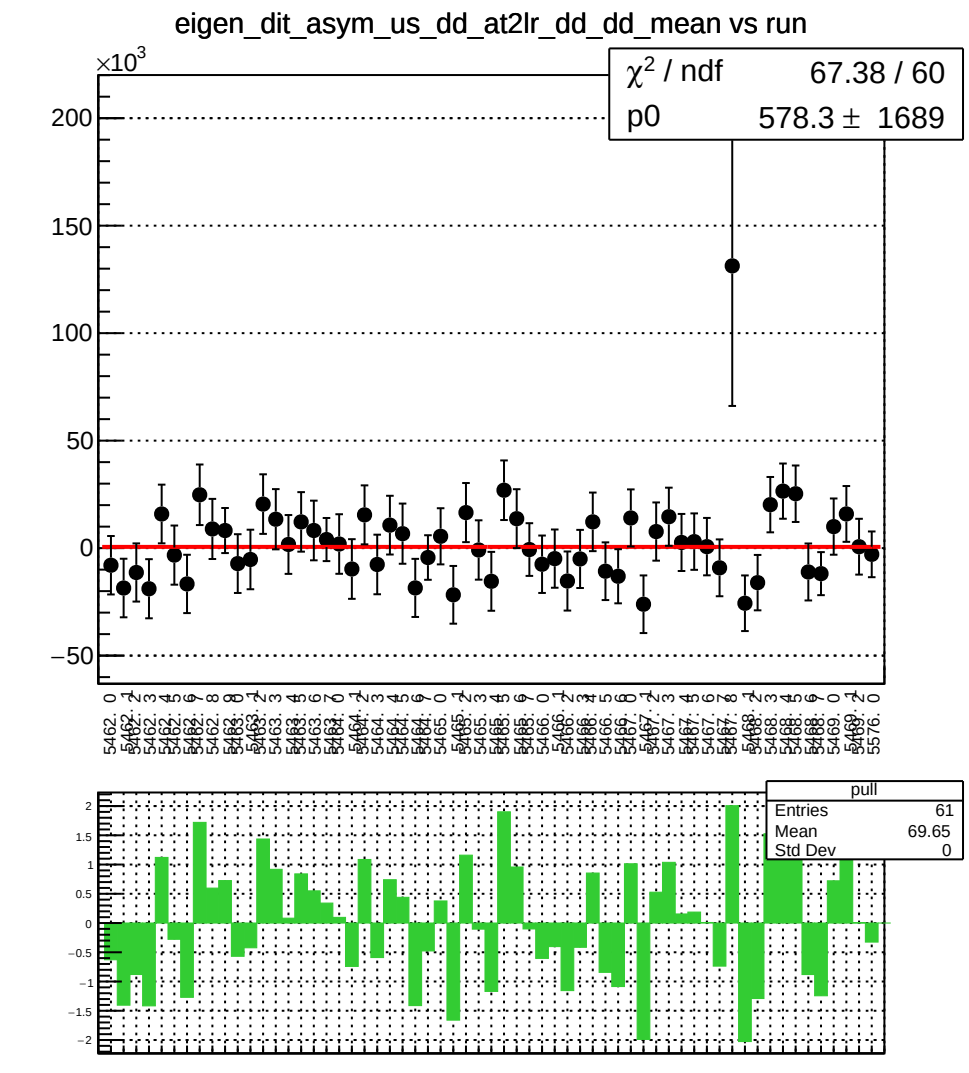

pull1D
Entries 61
Mean 0.03435
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

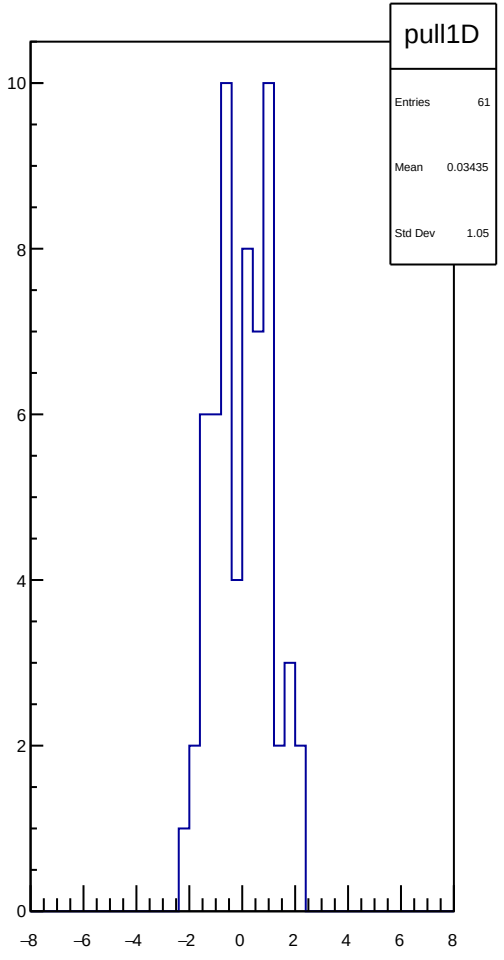

dit_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 5.501e+04 / 62
p0 1284 ± 1.194
100
80
60
40
20

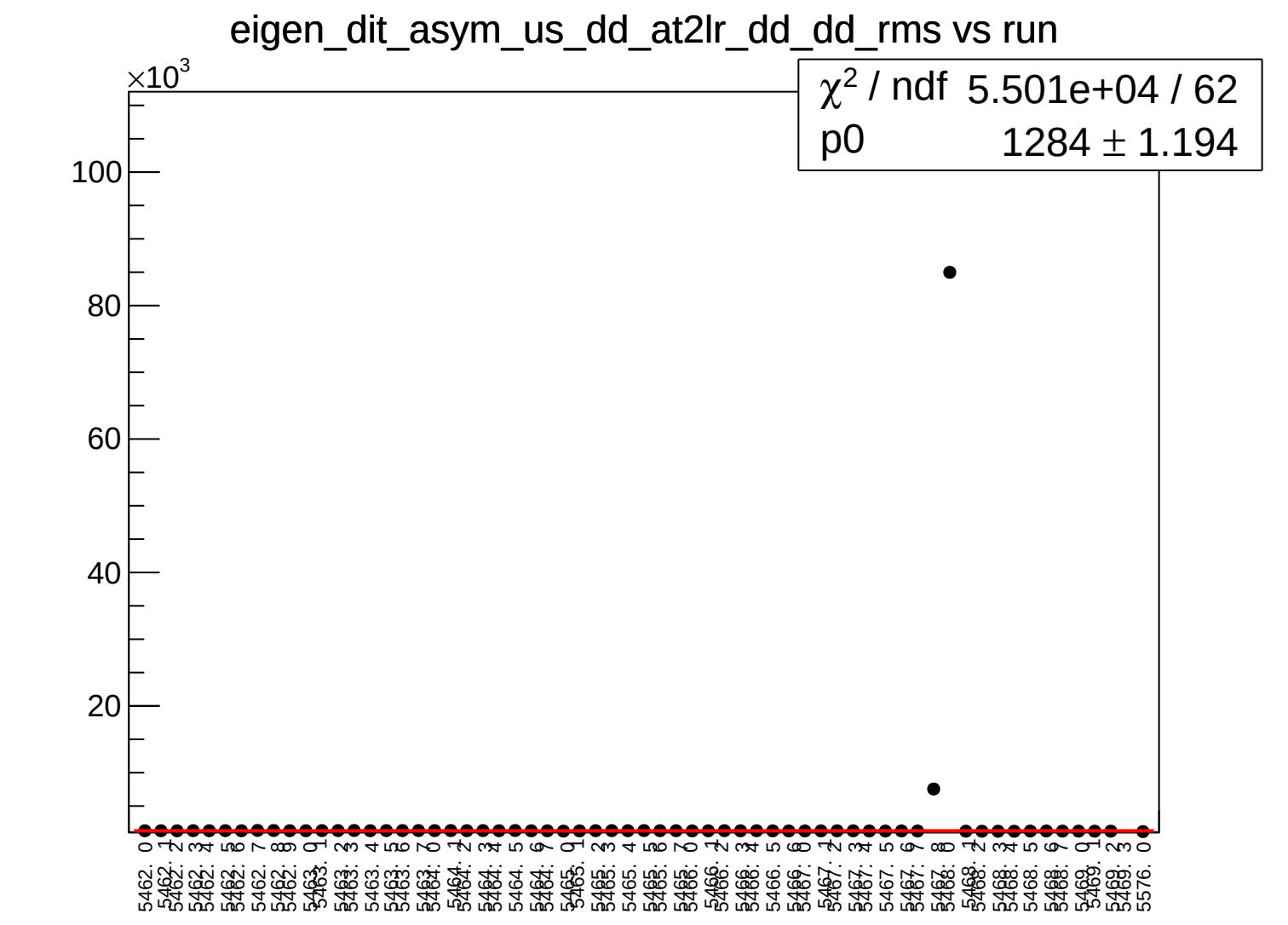

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 49.76 / 62
p0 −359.6 ± 491.3
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −125.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

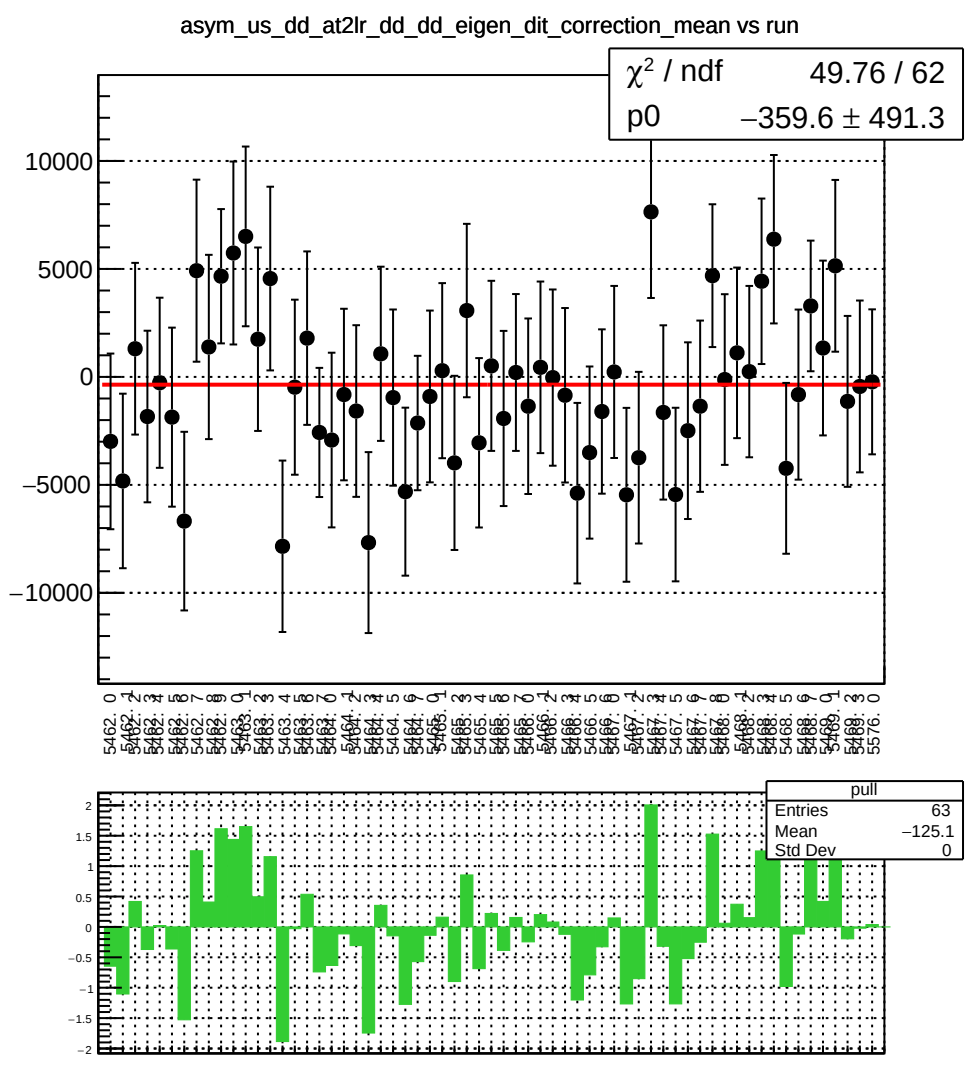

pull1D
Entries 63
Mean −0.01146
Std Dev 0.8887
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

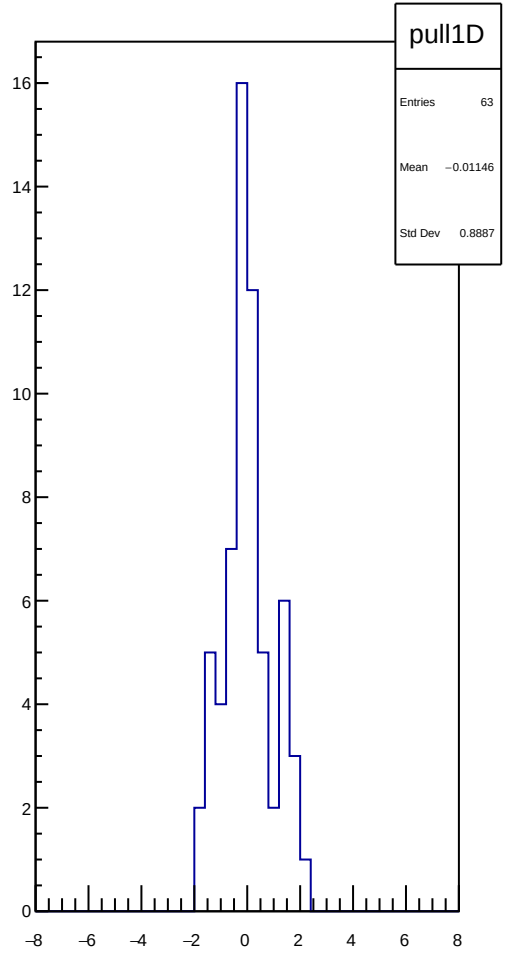

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 620.6 / 62
p0 382.2 ± 0.3474
410
400
390
380
370
360

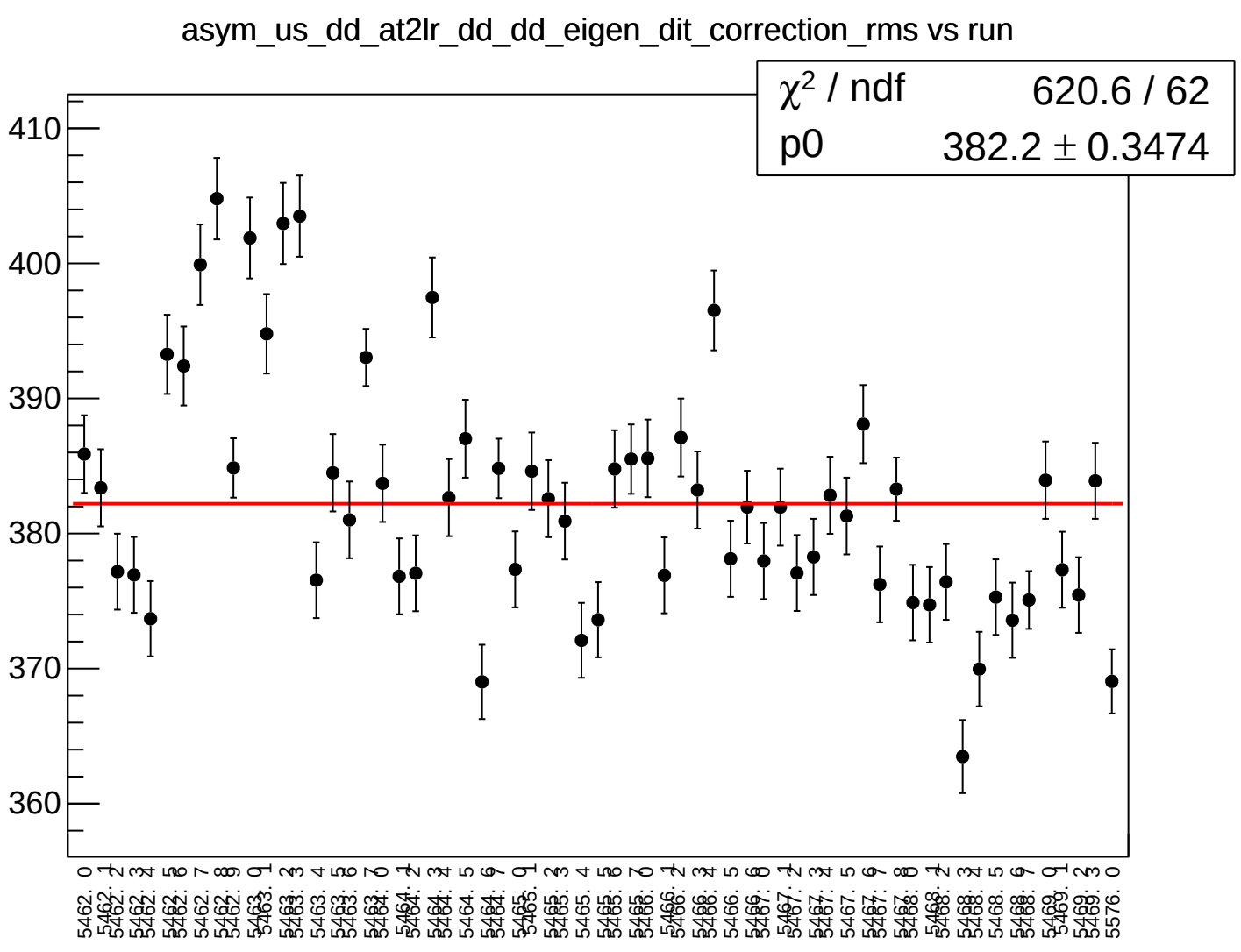

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 67.38 / 60
p0 578.3 ± 1689
200
150
100
50
0
−50
pull
Entries 61
Mean 69.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

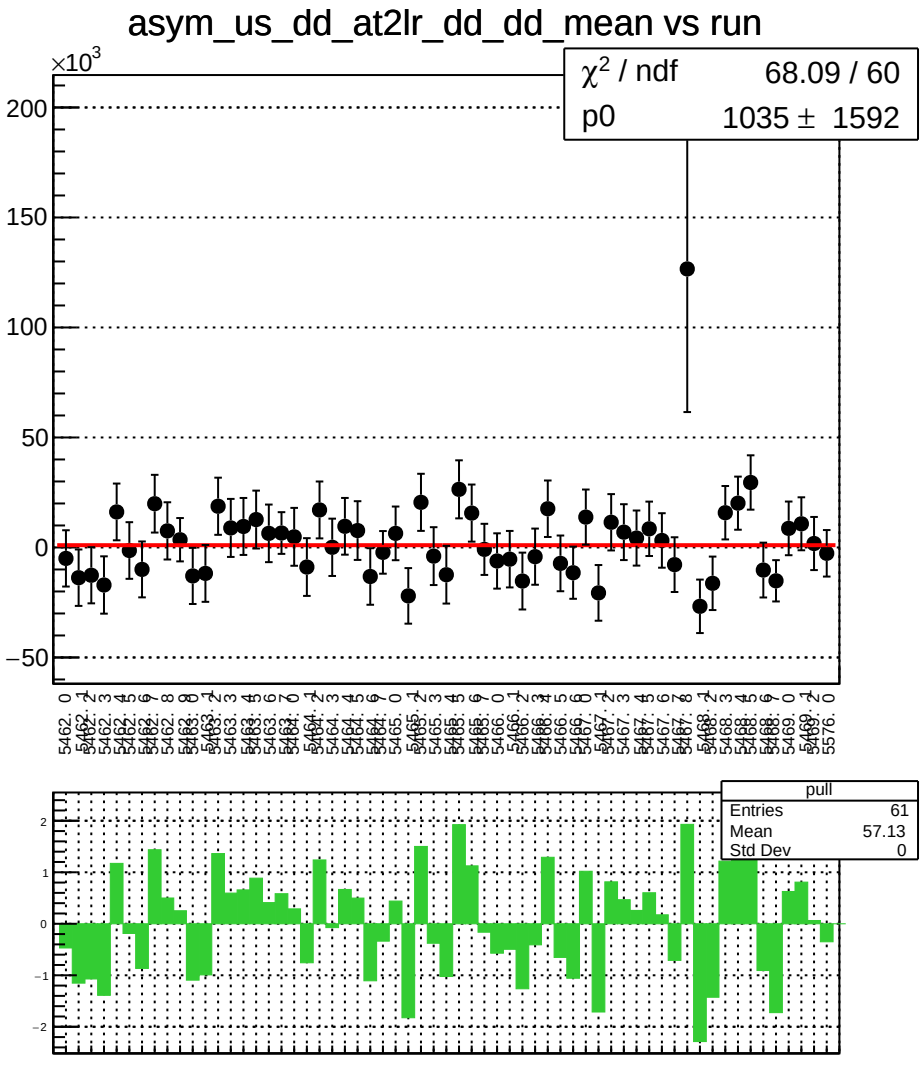

pull1D
Entries 61
Mean 0.03435
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

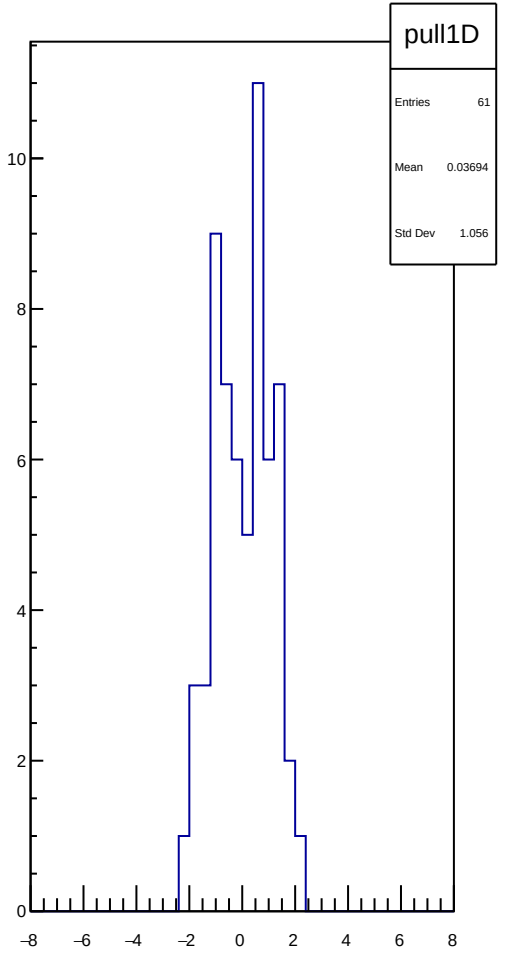

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 5.501e+04 / 62
p0 1284 ± 1.194
100
80
60
40
20

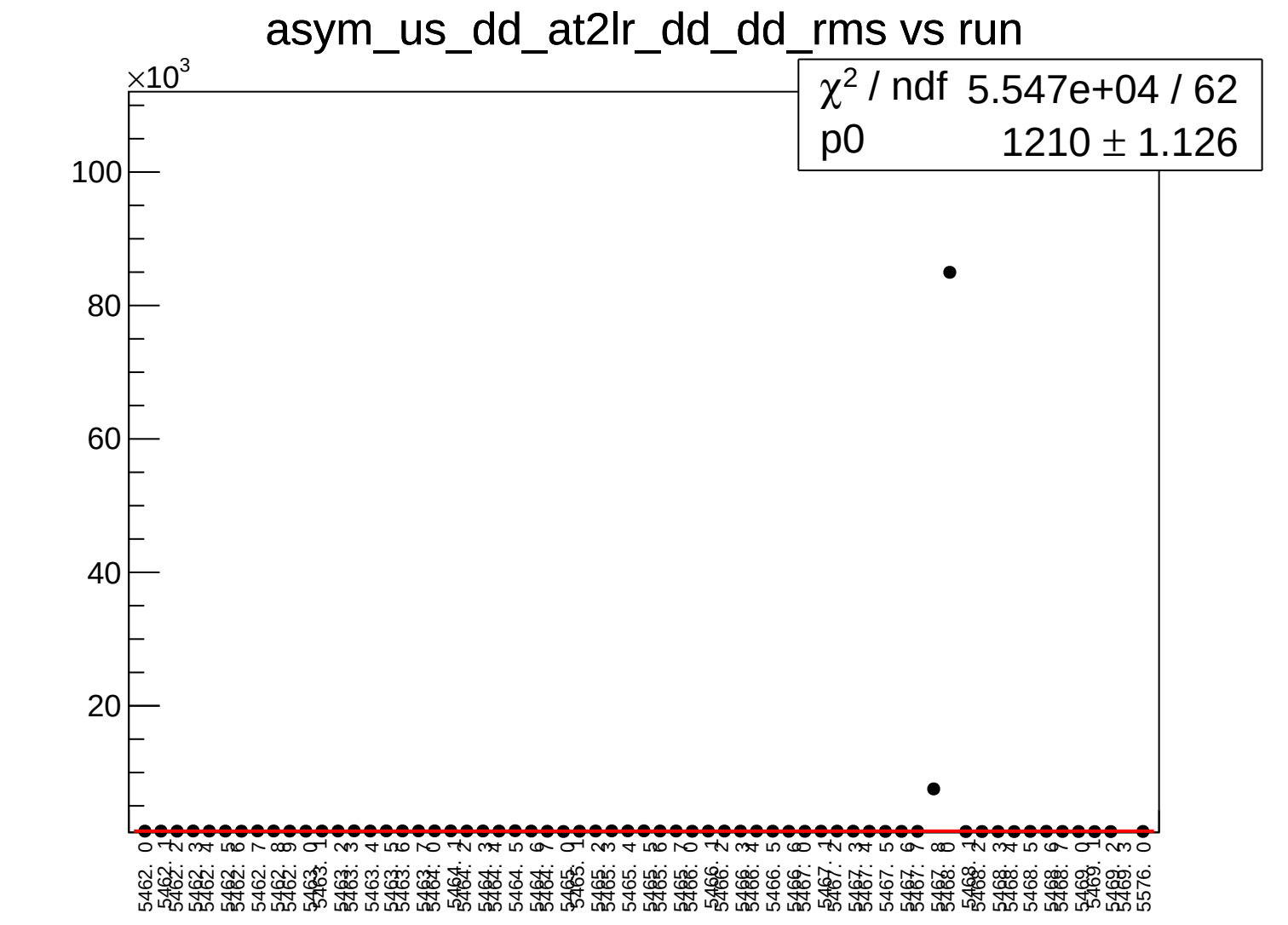

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.76 / 62
p0 −359.6 ± 491.3
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −125.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

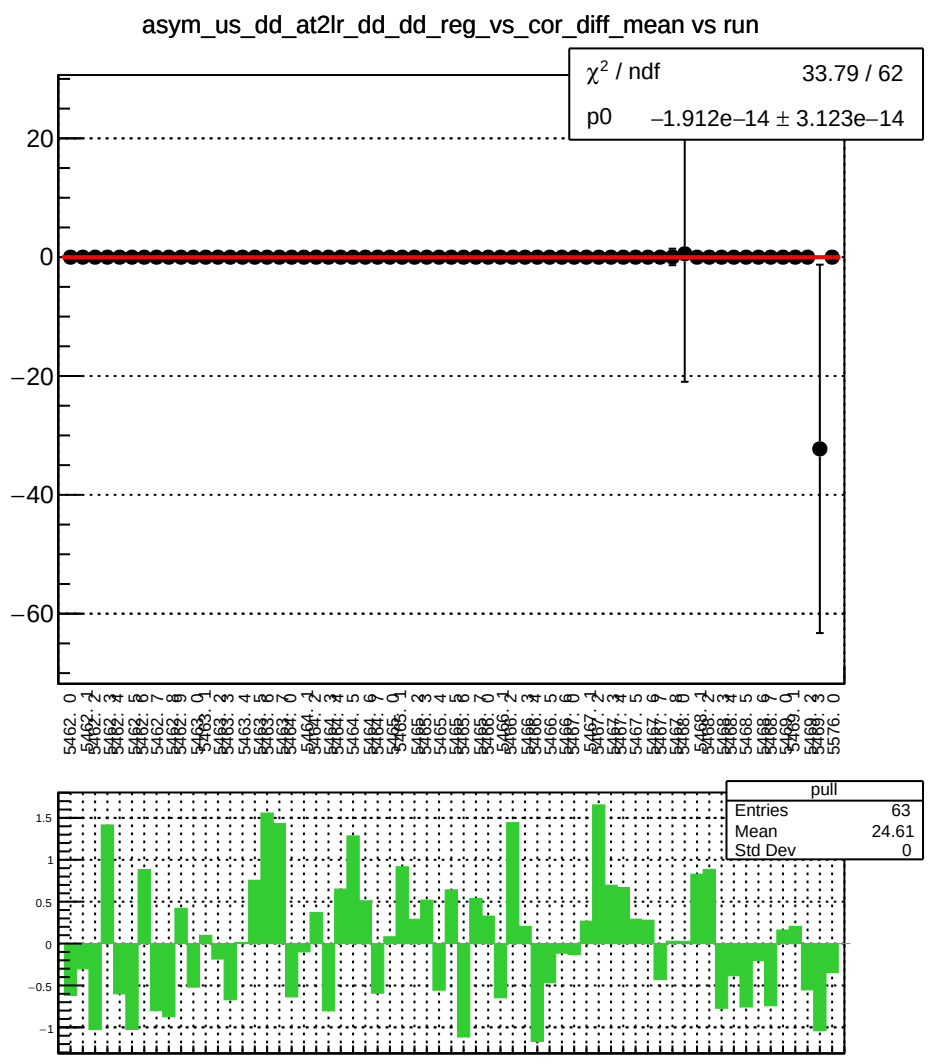

pull1D
Entries 63
Mean −0.01146
Std Dev 0.8887
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

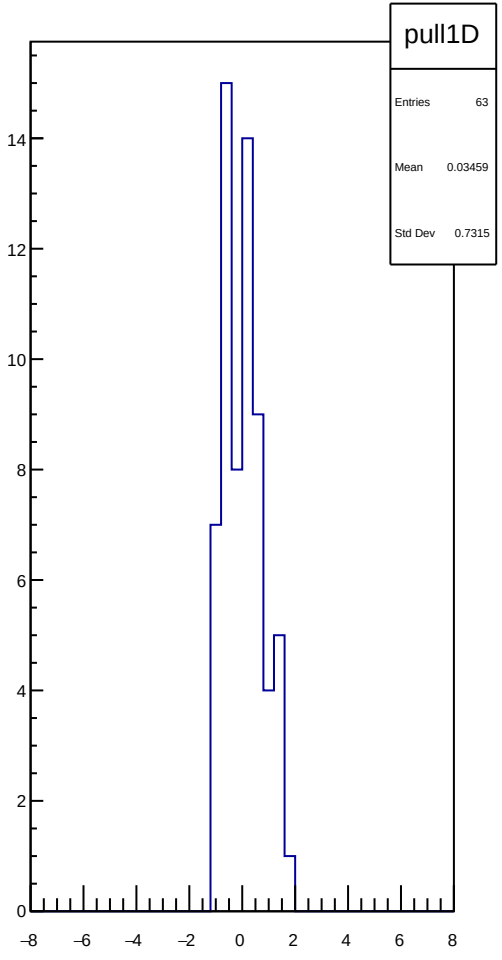

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 620.6 / 62
p0 382.2 ± 0.3474
410
400
390
380
370
360
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

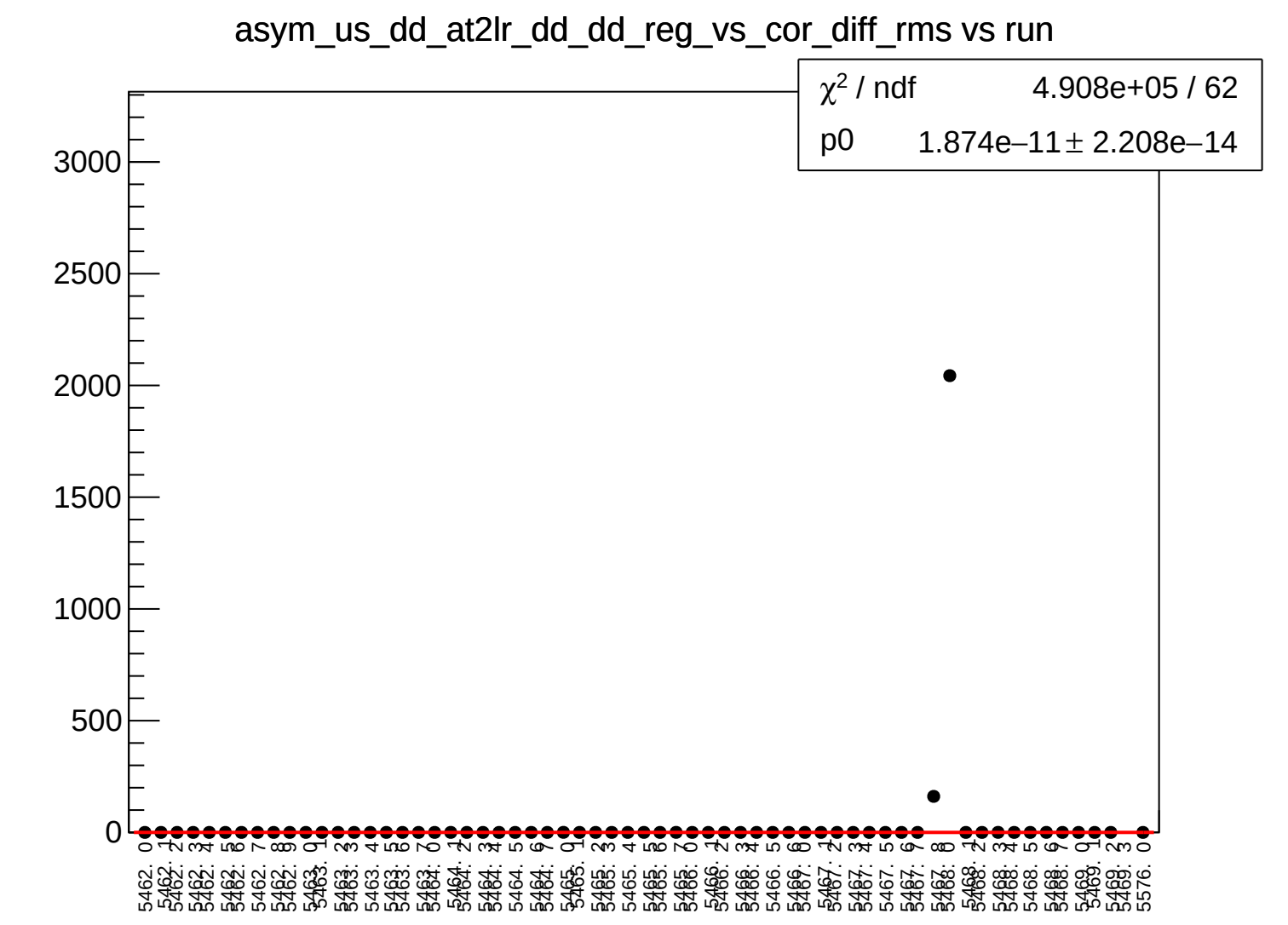

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 68.09 / 60
p0 1035 ± 1592
200
150
100
50
0
−50
pull
Entries 61
Mean 57.13
Std Dev 0
2
1
0
−1
−2

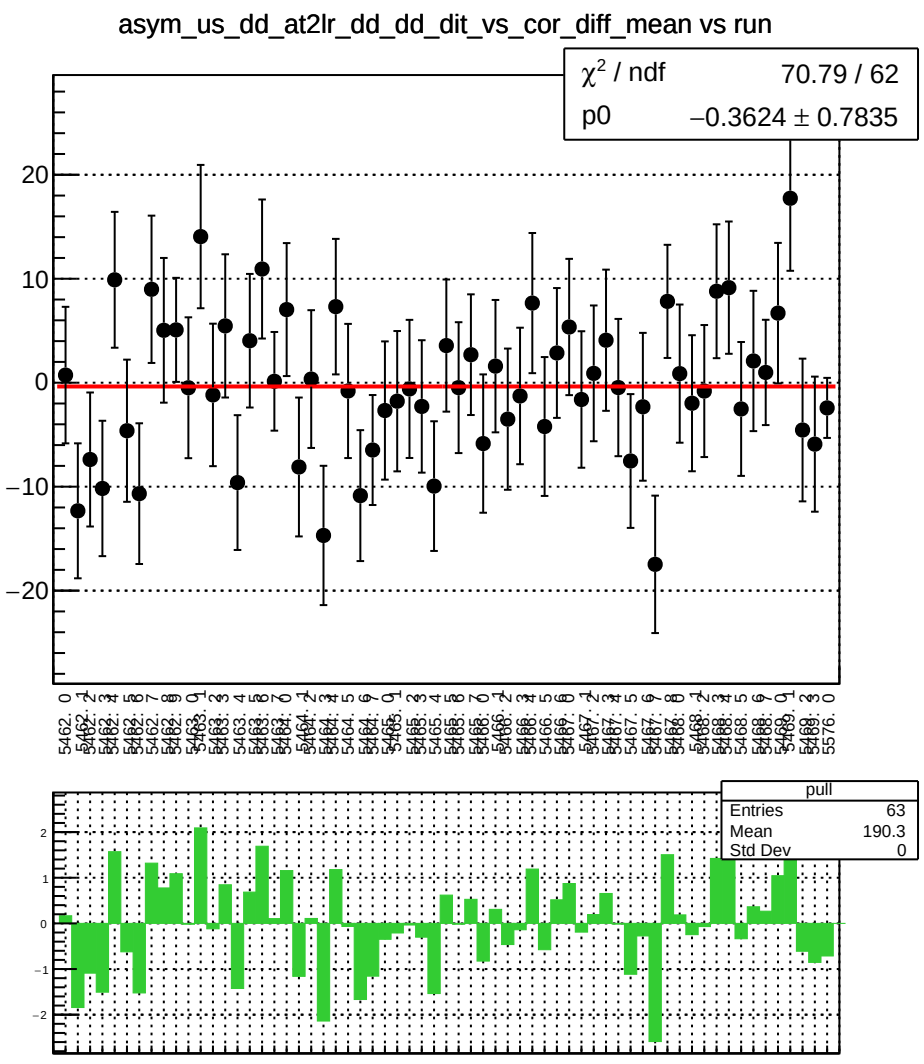

pull1D
Entries 61
Mean 0.03694
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

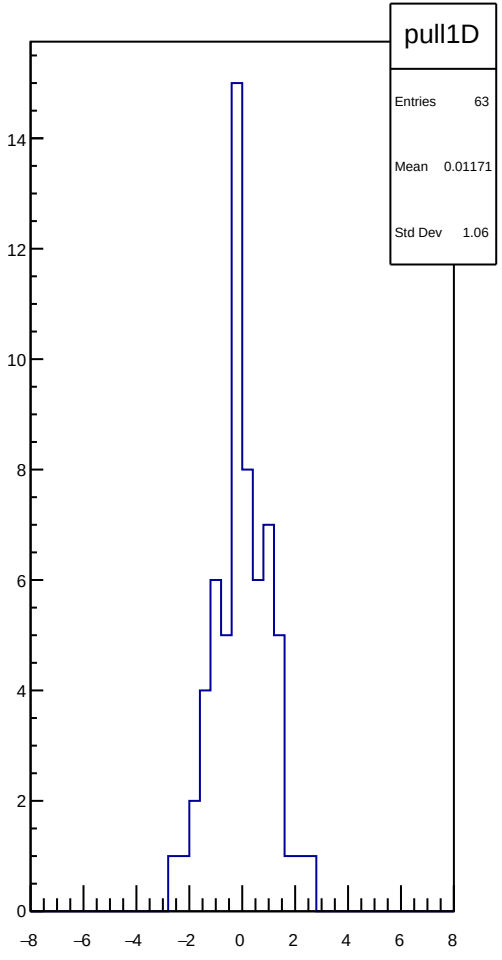

asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 5.547e+04 / 62
p0 1210 ± 1.126
100
80
60
40
20

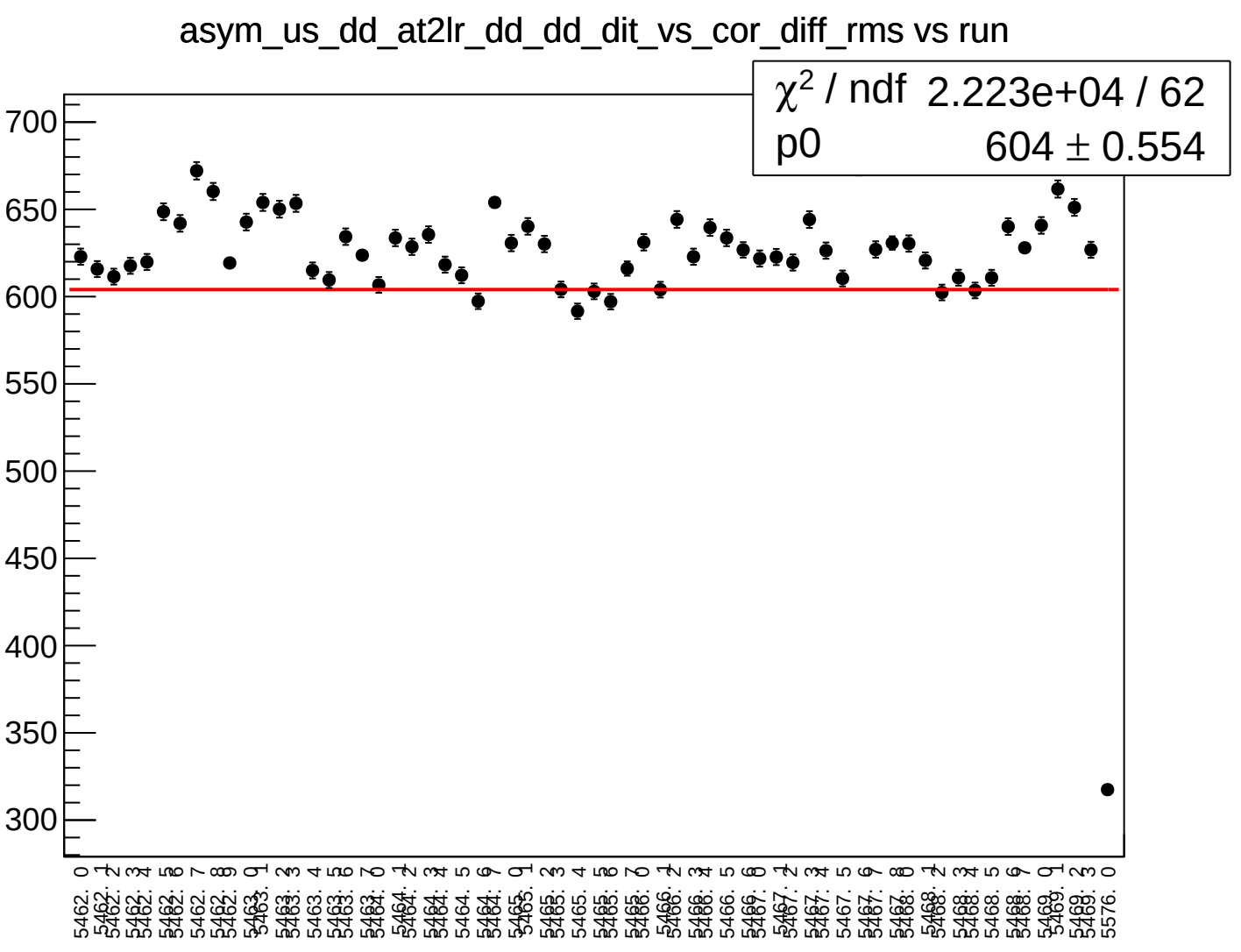

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 33.79 / 62
p0 −1.912e−14 ± 3.123e−14
pull
Entries 63
Mean 24.61
Std Dev 0

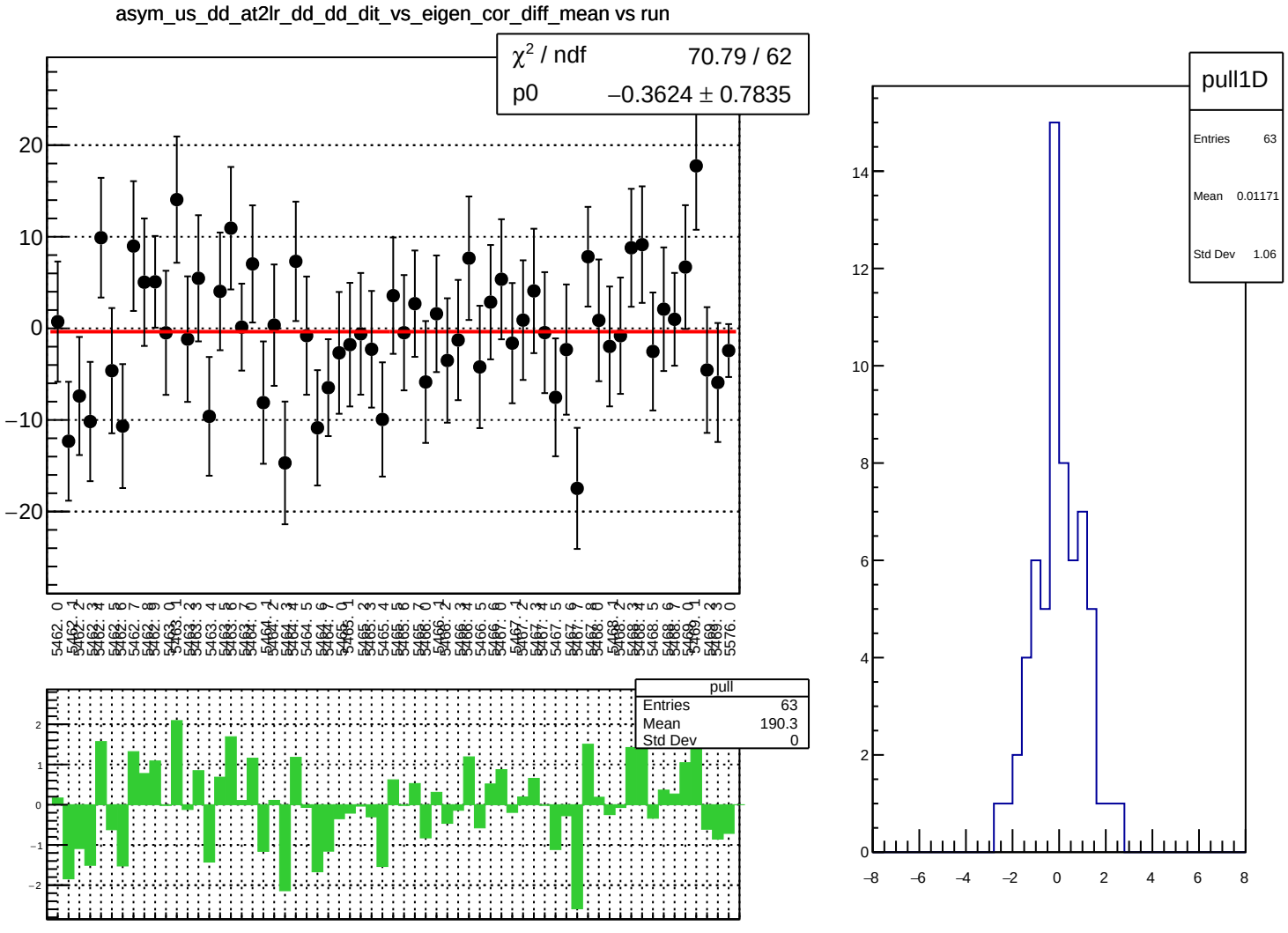

pull1D
Entries 63
Mean 0.03459
Std Dev 0.7315

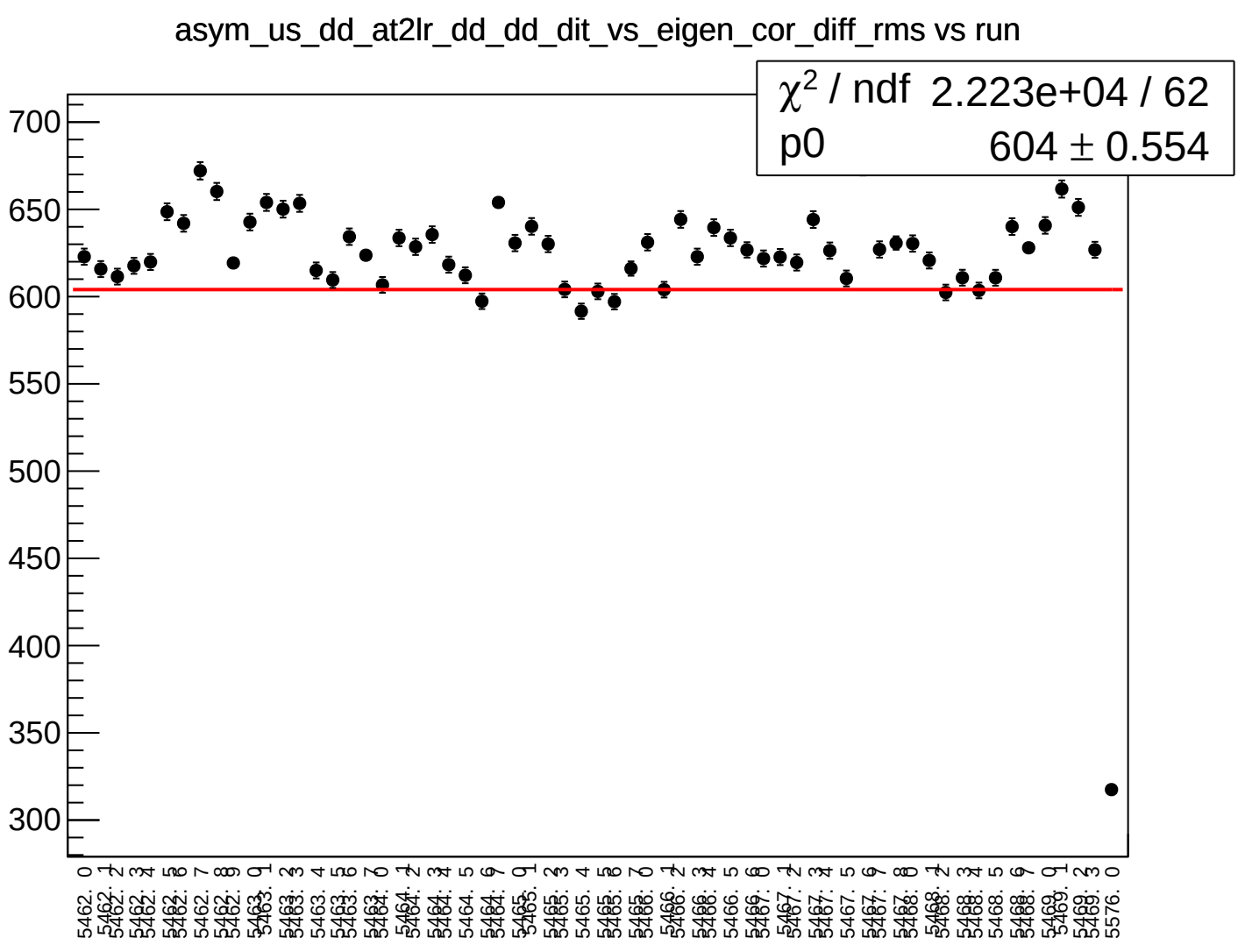

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.908e+05 / 62
p0 1.874e−11 ± 2.208e−14
3000
2500
2000
1500
1000
500
0

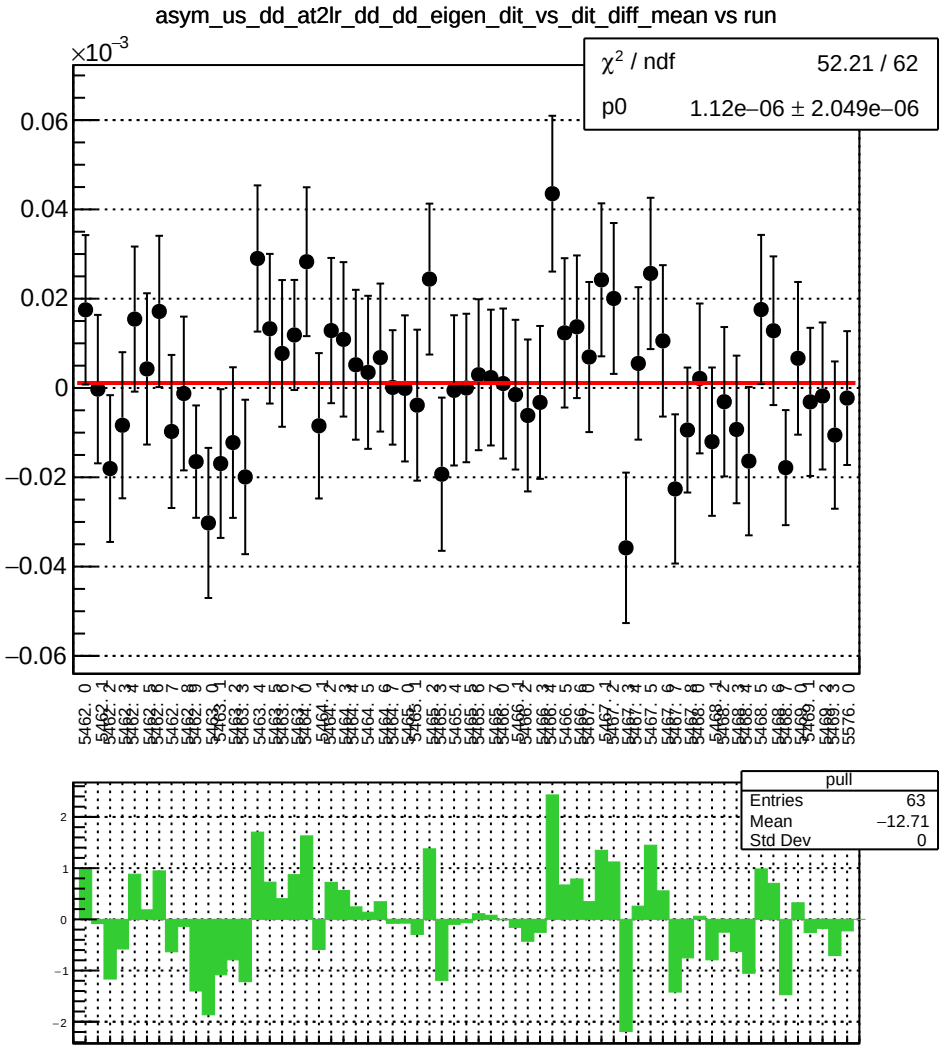

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.79 / 62
p0 −0.3624 ± 0.7835
pull
Entries 63
Mean 190.3
Std Dev 0

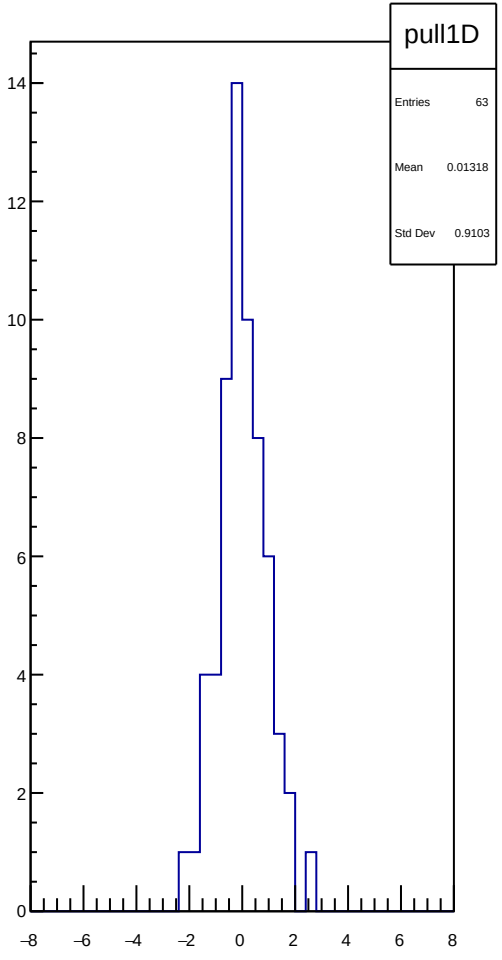

pull1D
Entries 63
Mean 0.01171
Std Dev 1.06

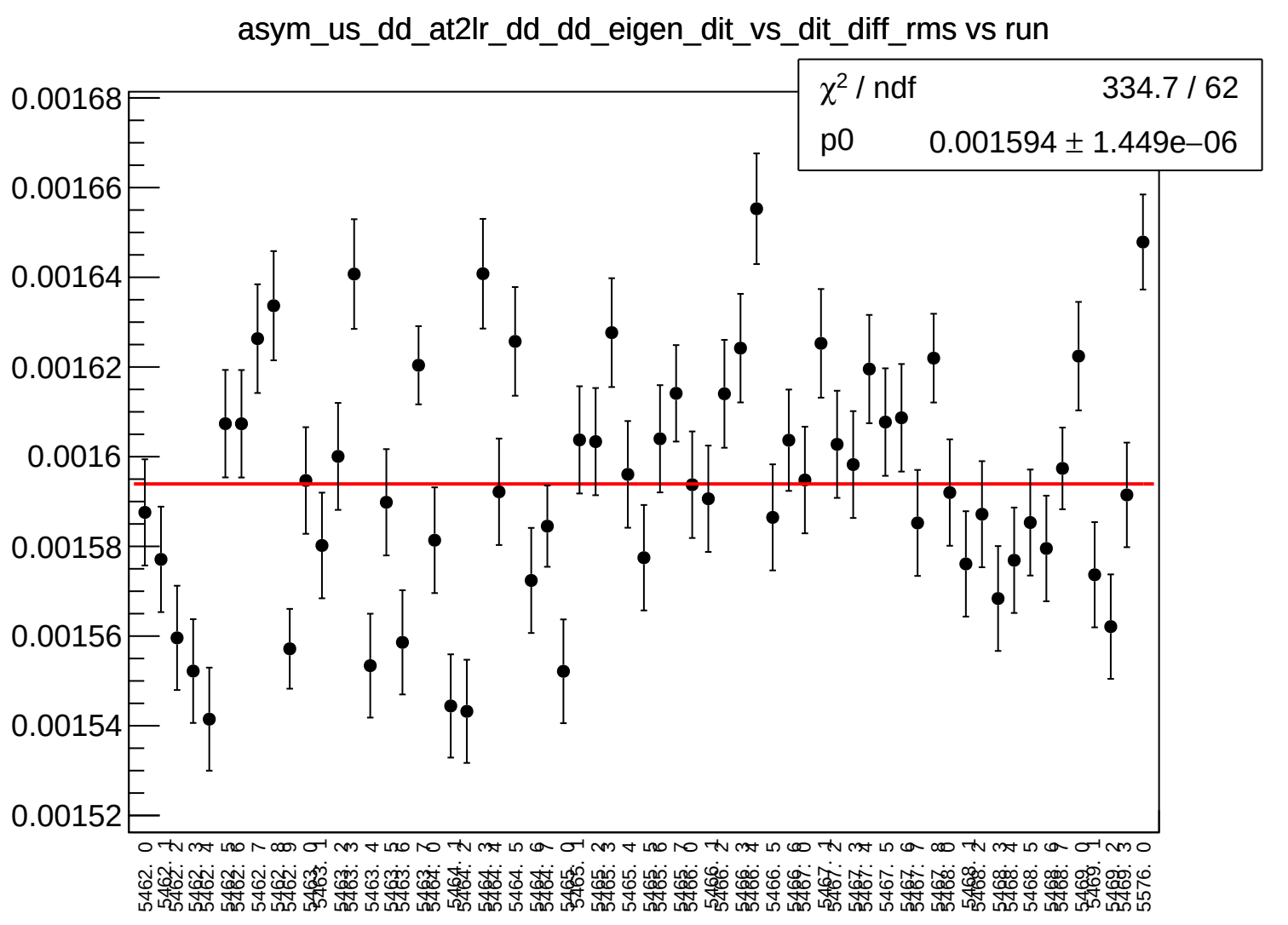

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.223e+04 / 62
p0 604 ± 0.554
700
650
600
550
500
450
400
350
300

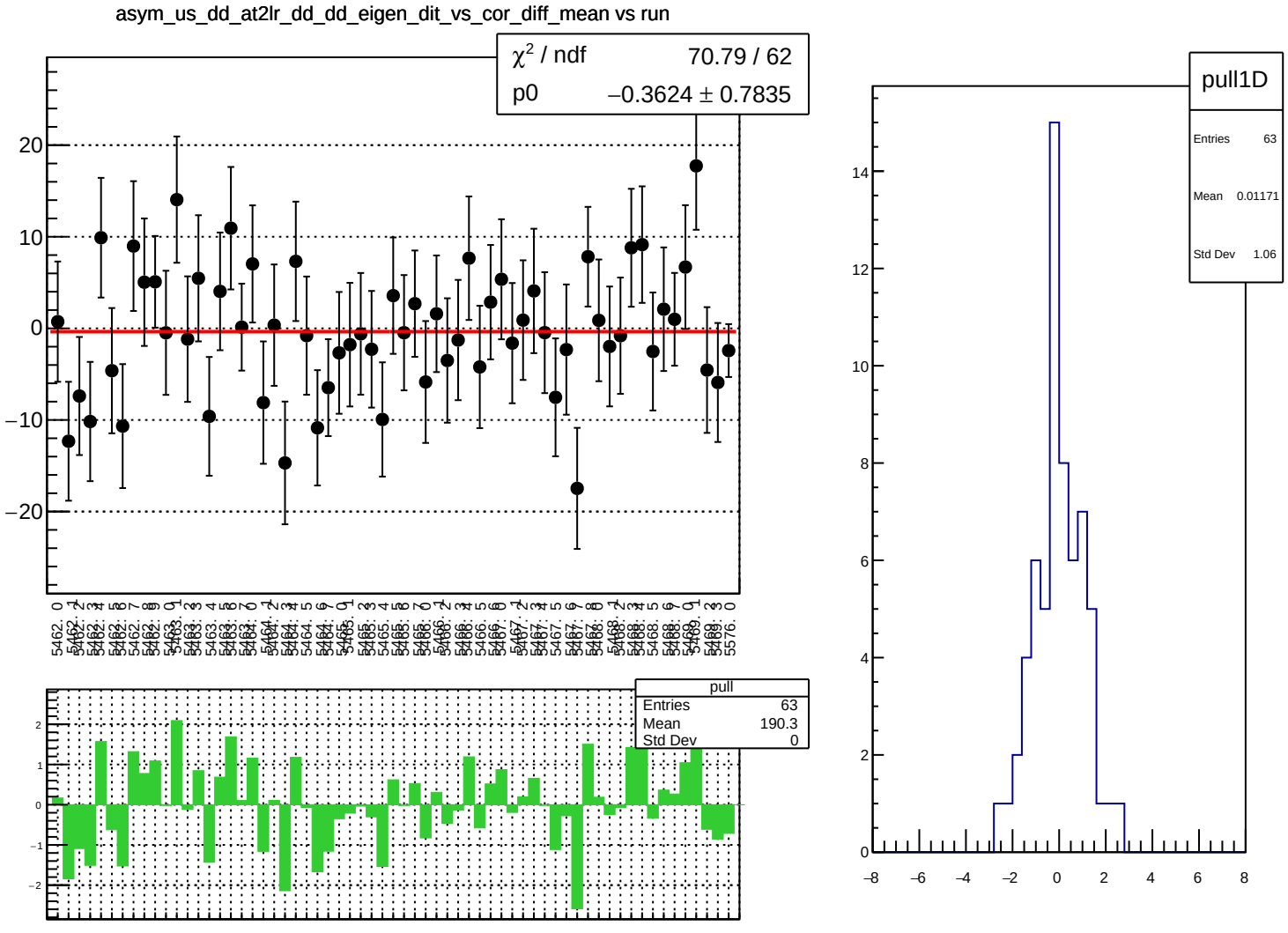

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.79 / 62
p0 −0.3624 ± 0.7835
pull
Entries 63
Mean 190.3
Std Dev 0
pull1D
Entries 63
Mean 0.01171
Std Dev 1.06

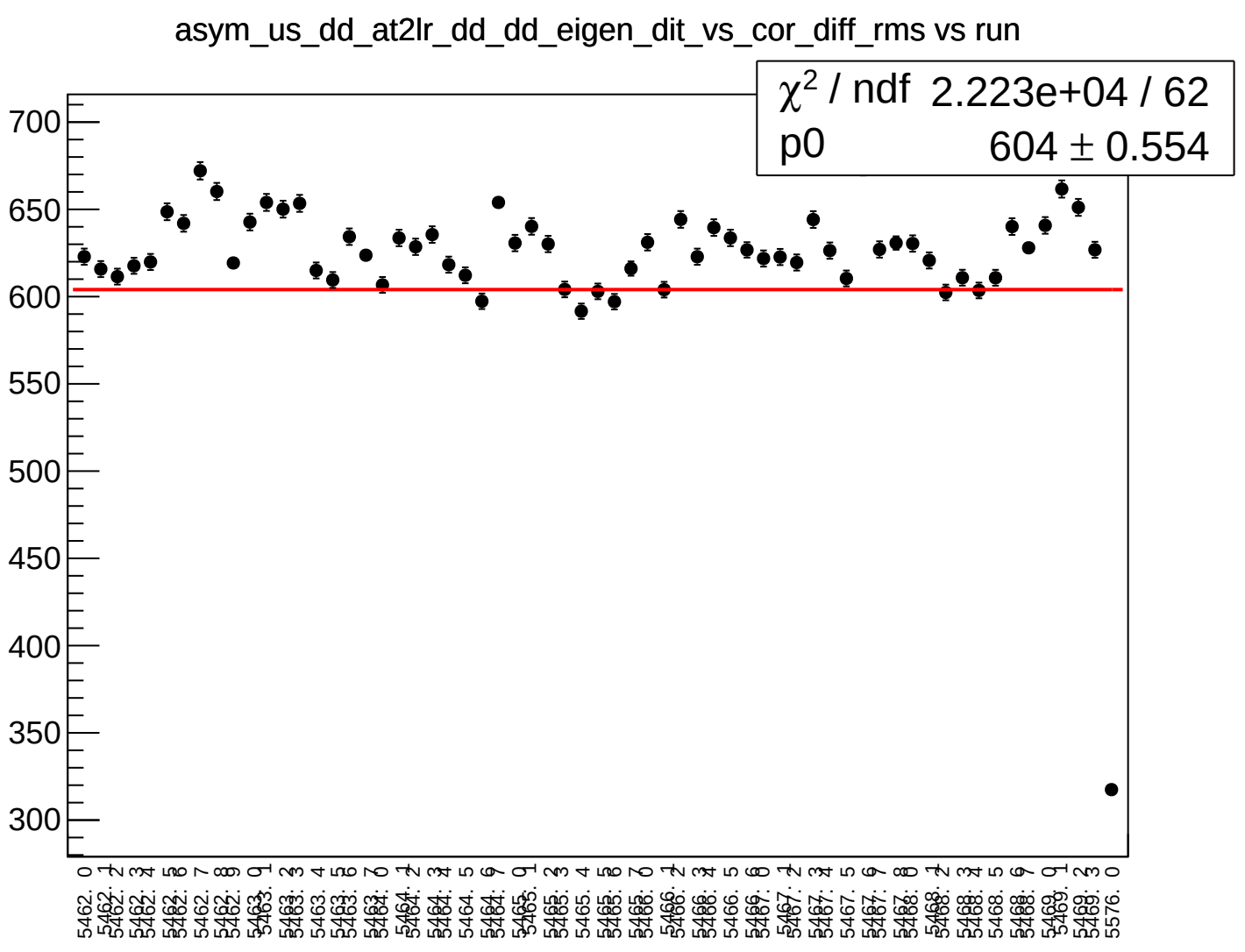

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.223e+04 / 62
p0 604 ± 0.554
700
650
600
550
500
450
400
350
300

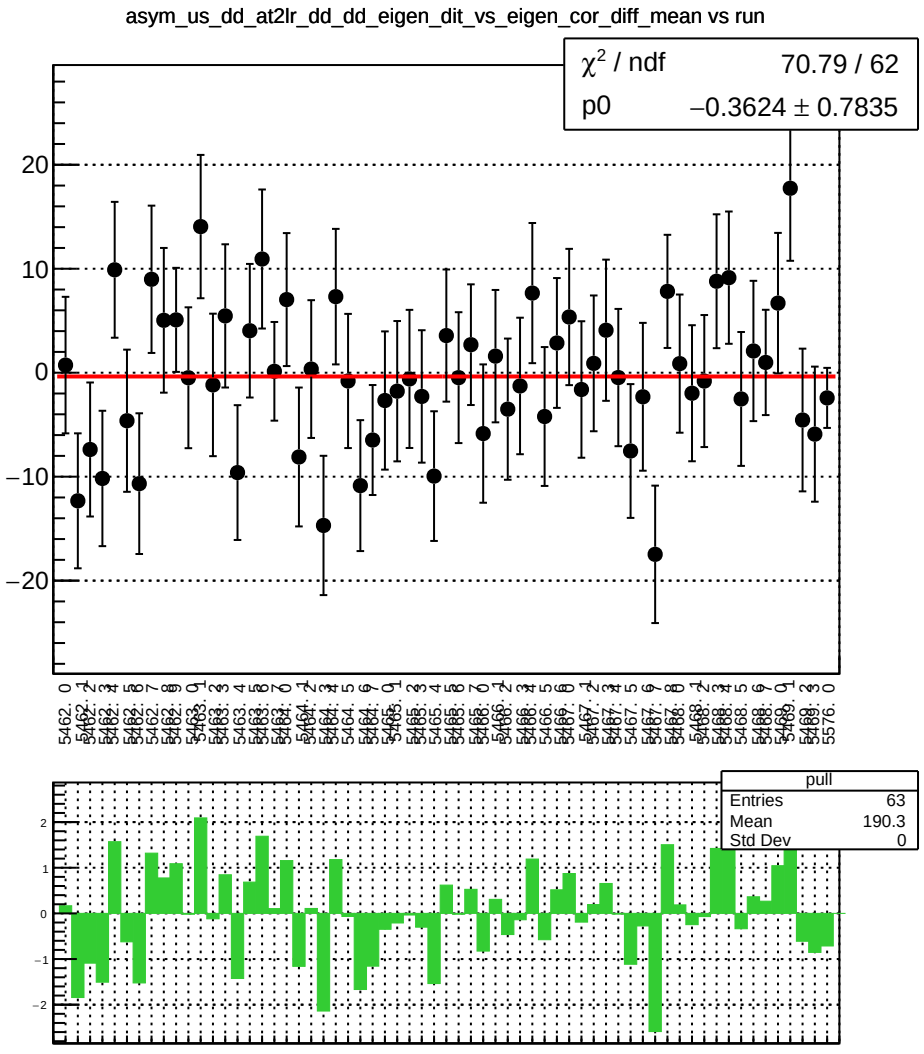

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.21 / 62
p0 1.12e−06 ± 2.049e−06
pull
Entries 63
Mean −12.71
Std Dev 0

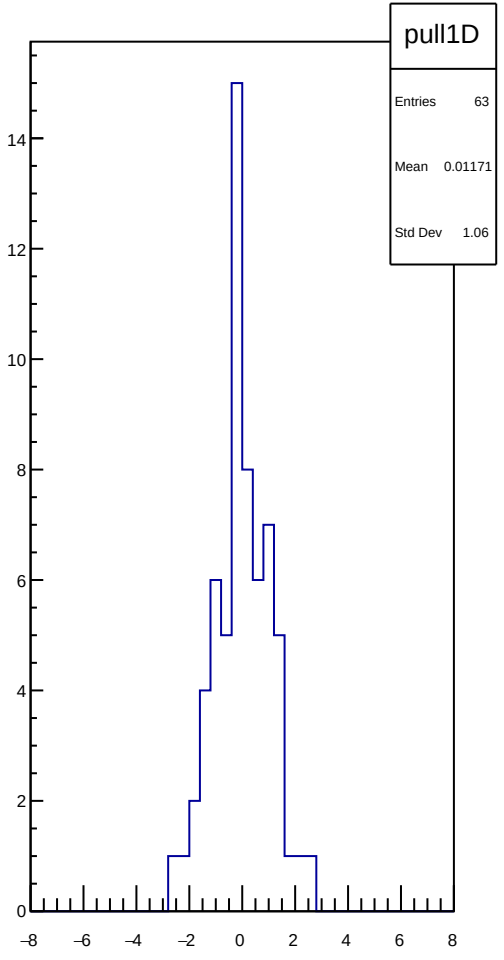

pull1D
Entries 63
Mean 0.01318
Std Dev 0.9103

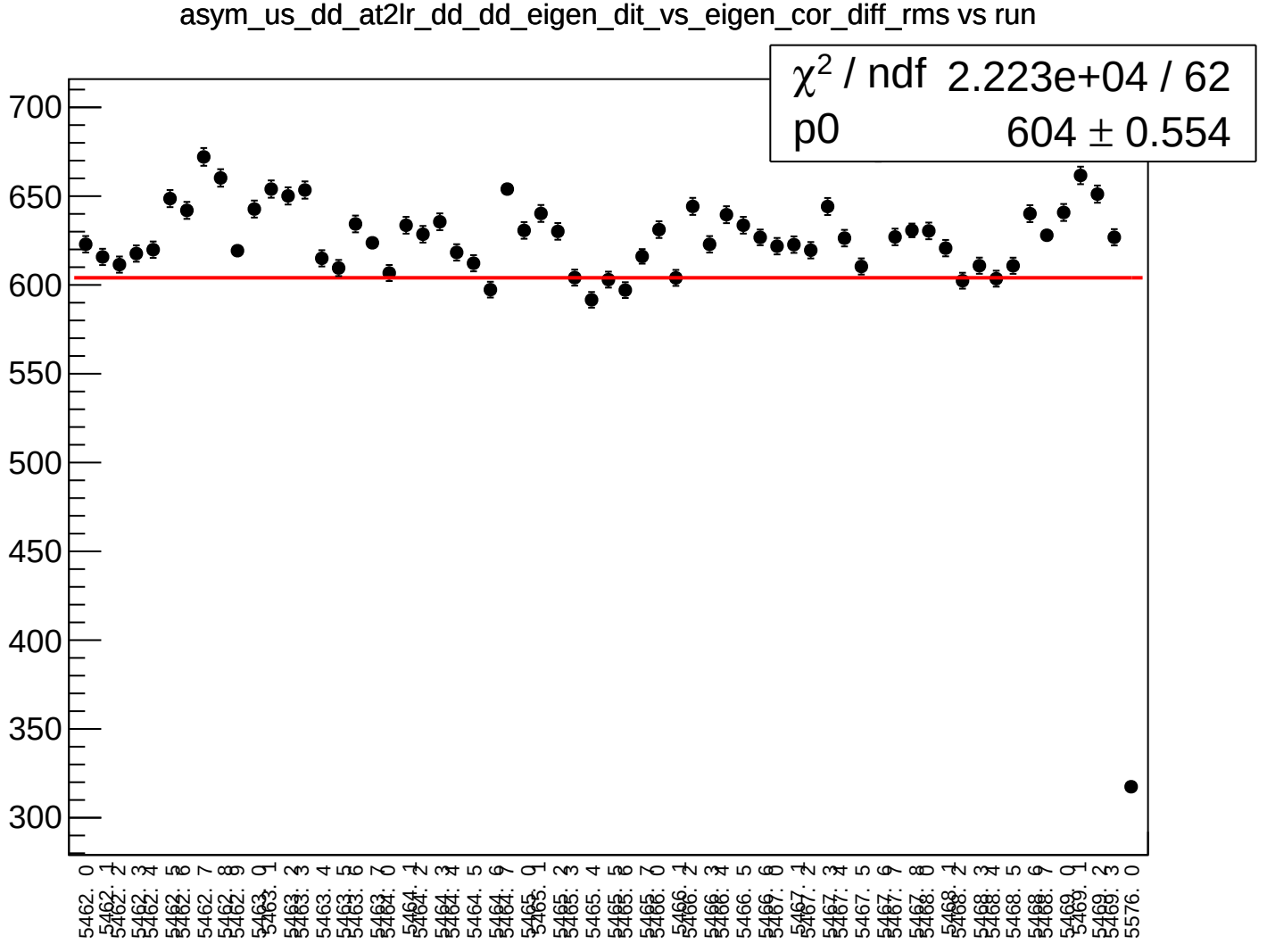

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 334.7 / 62
p0 0.001594 ± 1.449e−06
0.00168
0.00166
0.00164
0.00162
0.0016
0.00158
0.00156
0.00154
0.00152

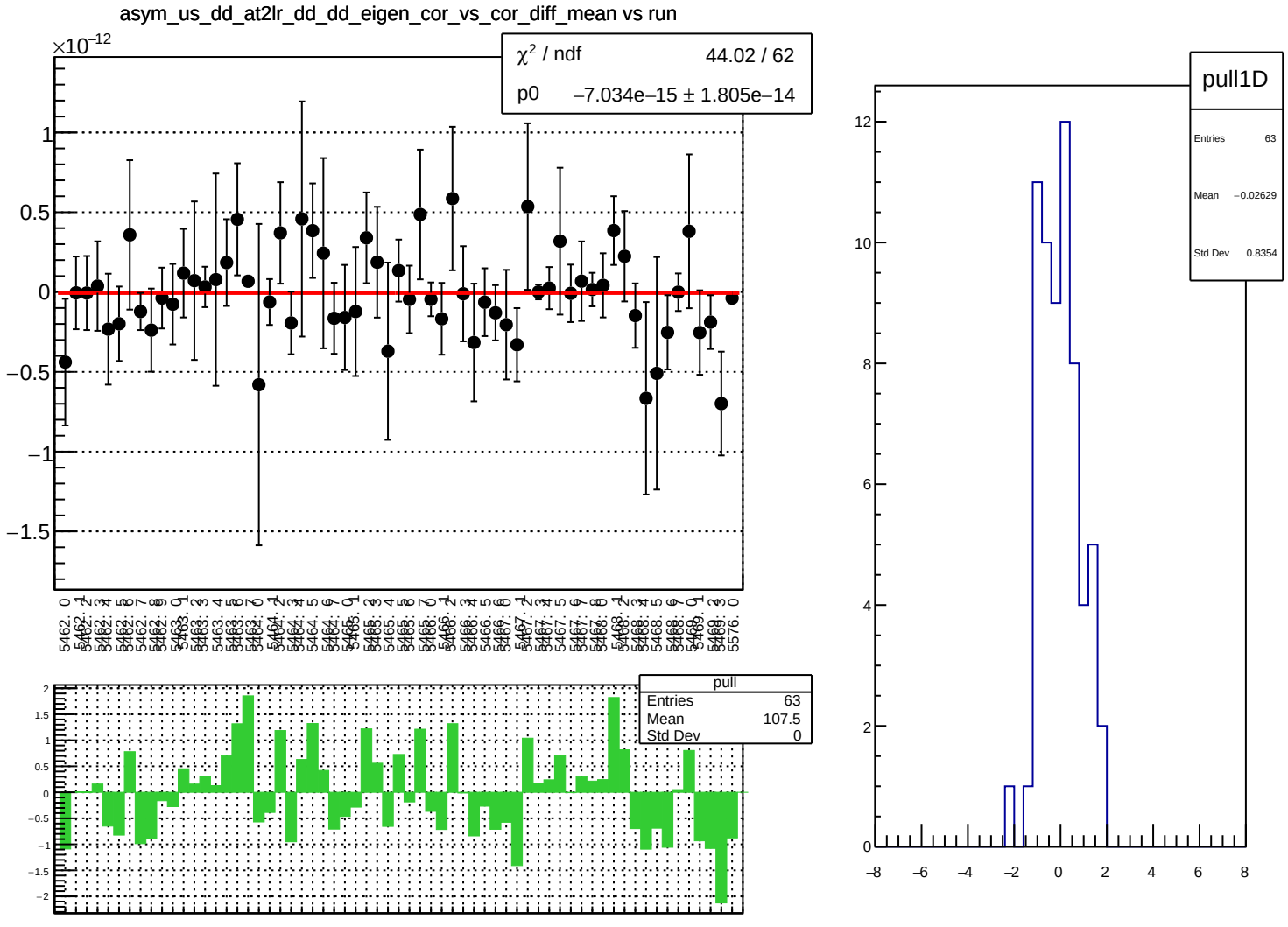

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.79 / 62
p0 −0.3624 ± 0.7835
pull
Entries 63
Mean 190.3
Std Dev 0
pull1D
Entries 63
Mean 0.01171
Std Dev 1.06

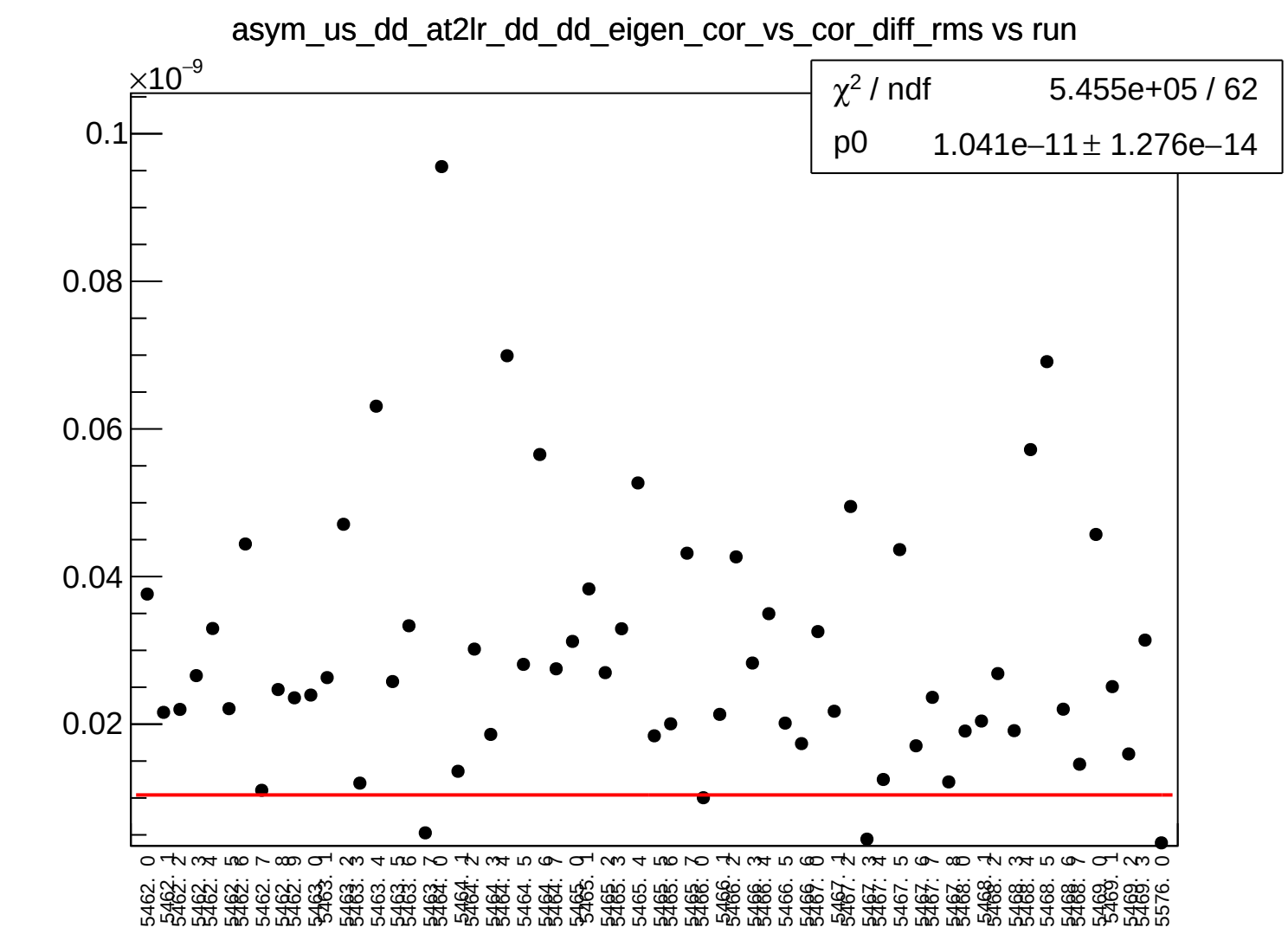

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.223e+04 / 62
p0 604 ± 0.554
700
650
600
550
500
450
400
350
300

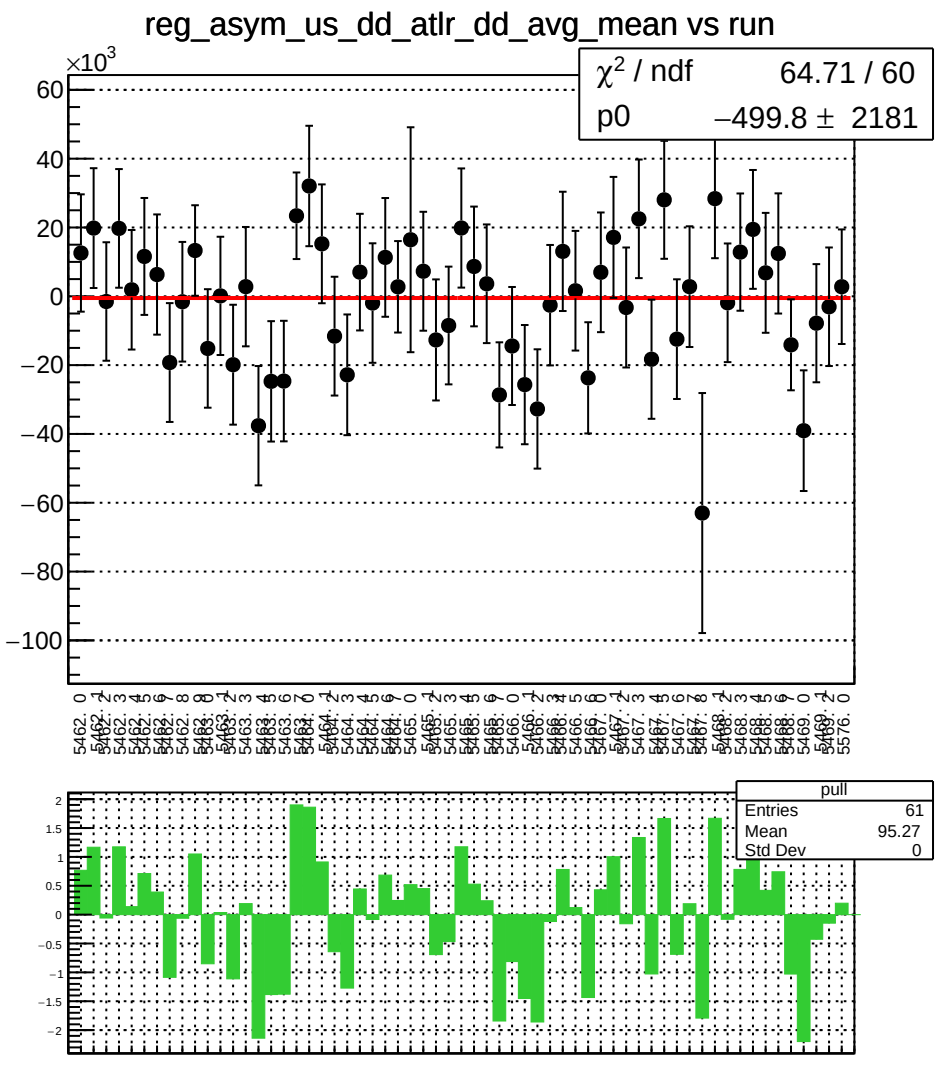

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.79 / 62
p0 −0.3624 ± 0.7835
pull
Entries 63
Mean 190.3
Std Dev 0

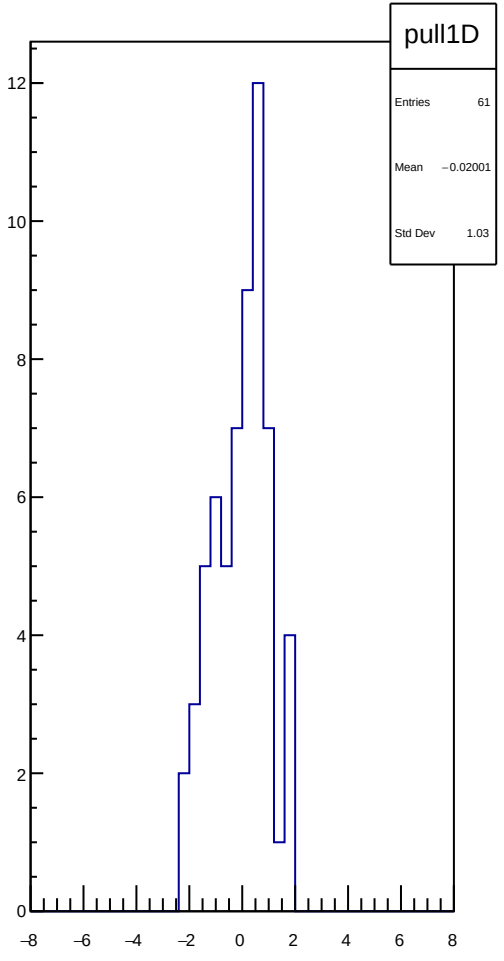

pull1D
Entries 63
Mean 0.01171
Std Dev 1.06

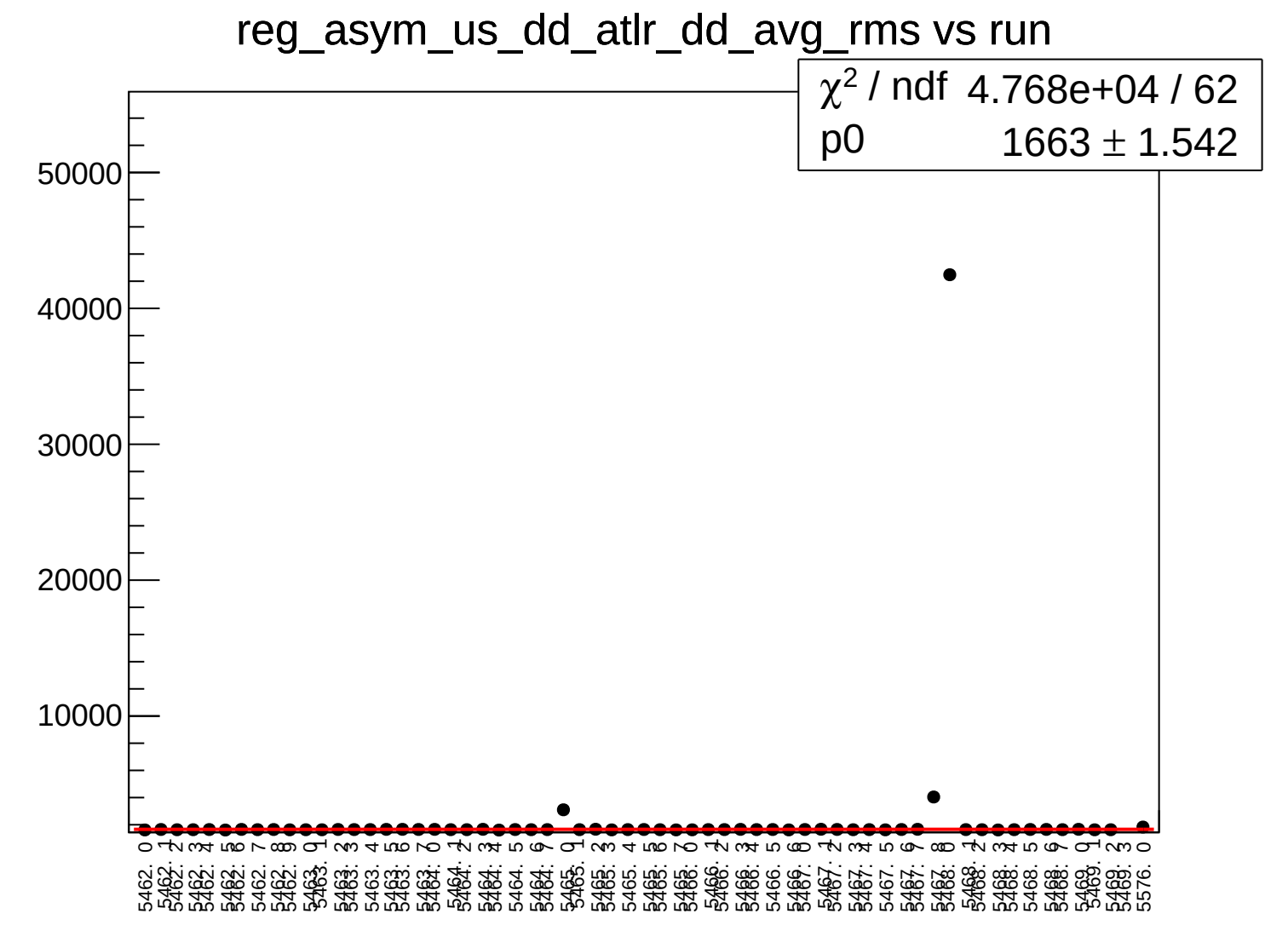

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.223e+04 / 62
p0 604 ± 0.554
700
650
600
550
500
450
400
350
300
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

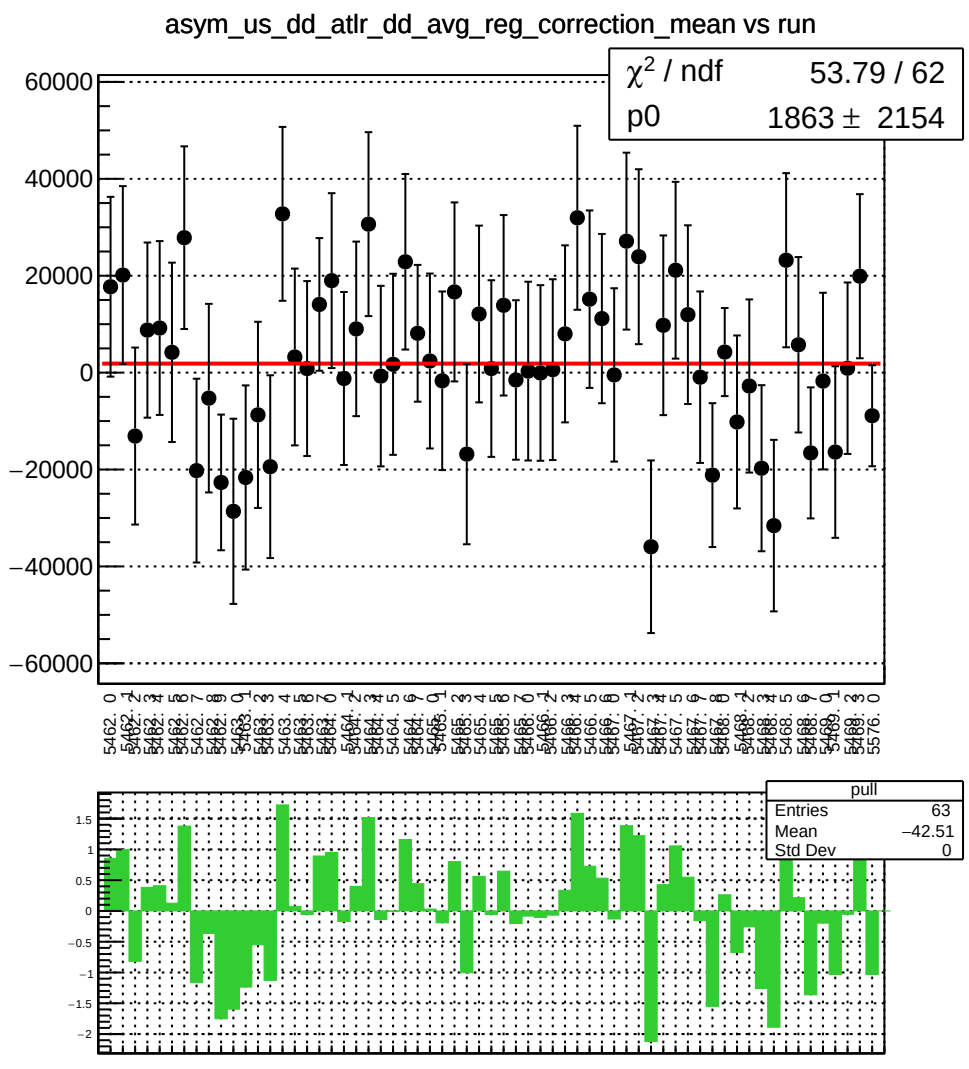

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.02 / 62
p0 −7.034e−15 ± 1.805e−14
pull
Entries 63
Mean 107.5
Std Dev 0
pull1D
Entries 63
Mean −0.02629
Std Dev 0.8354

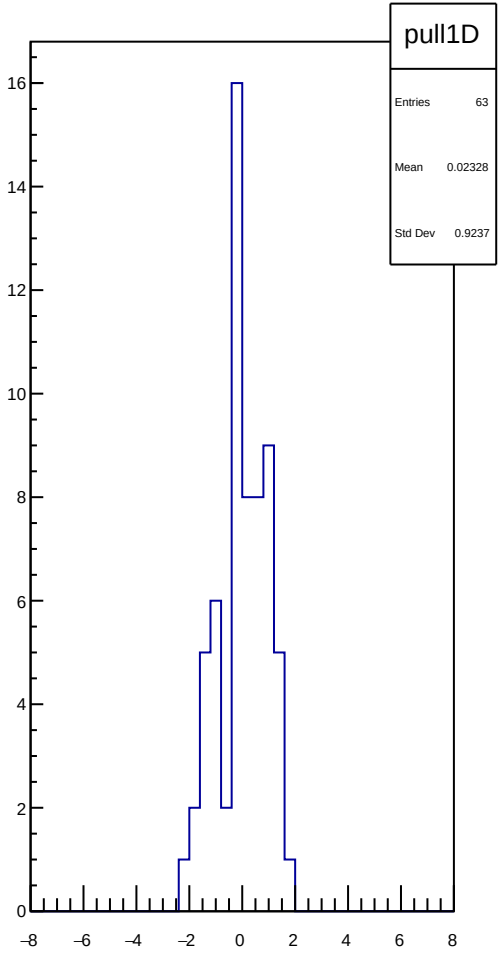

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.455e+05 / 62
p0 1.041e−11 ± 1.276e−14
0.1
0.08
0.06
0.04
0.02

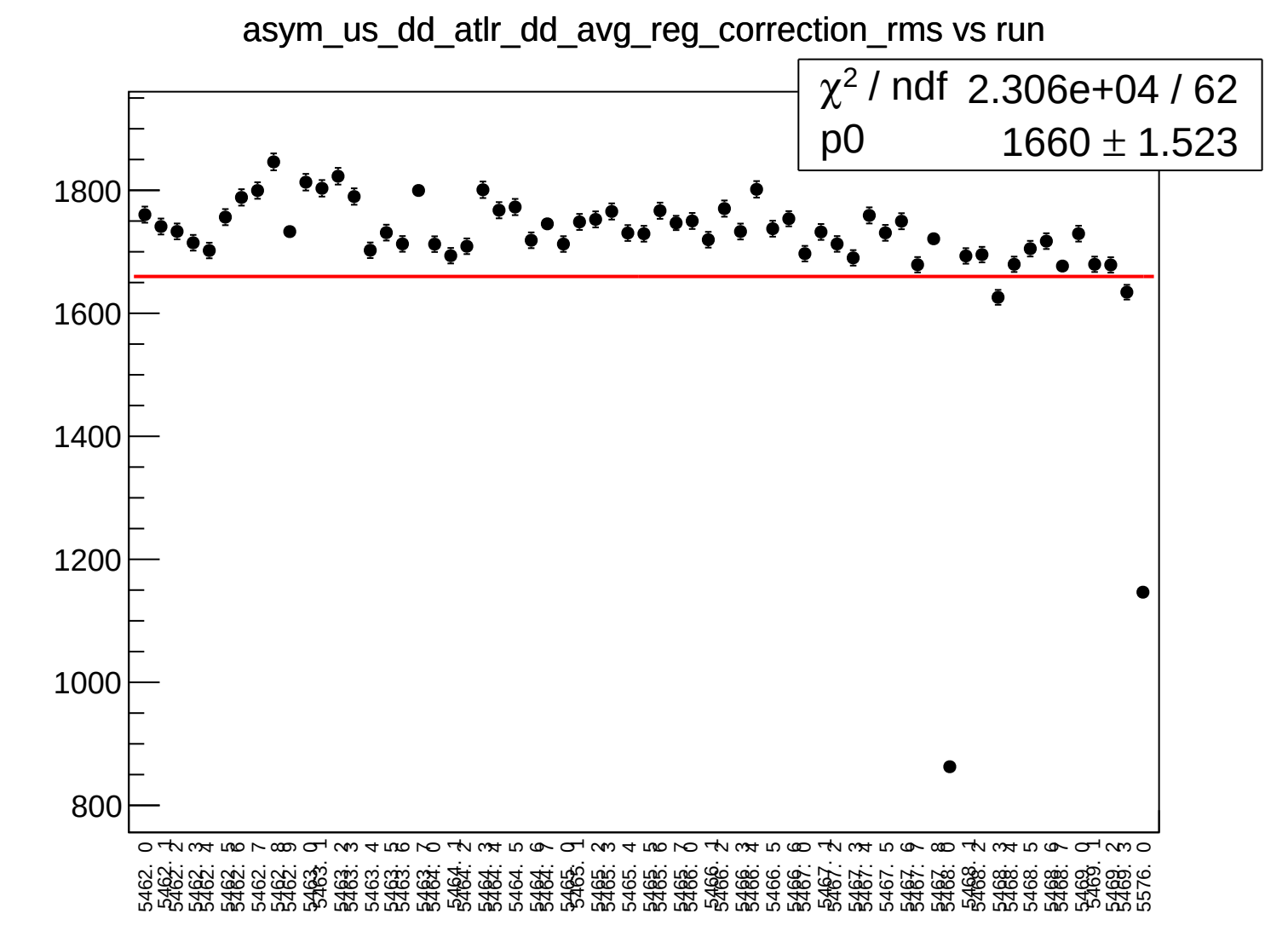

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 64.71 / 60
p0 −499.8 ± 2181
×10³
pull
Entries 61
Mean 95.27
Std Dev 0

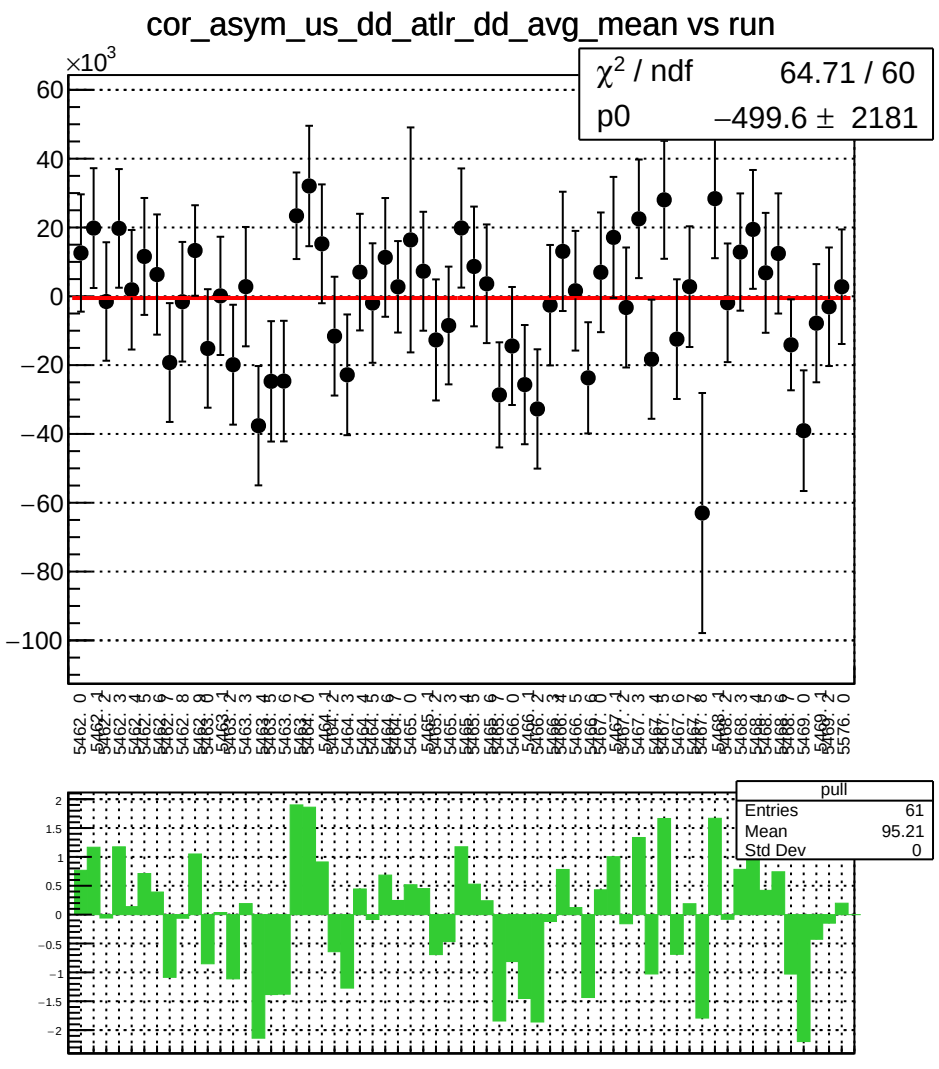

pull1D
Entries 61
Mean −0.02001
Std Dev 1.03

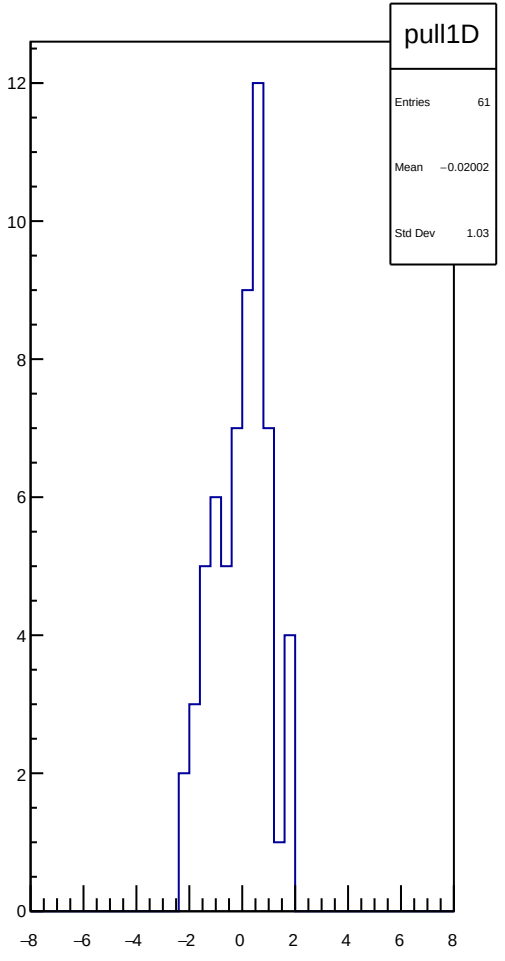

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.768e+04 / 62
p0 1663 ± 1.542
50000
40000
30000
20000
10000

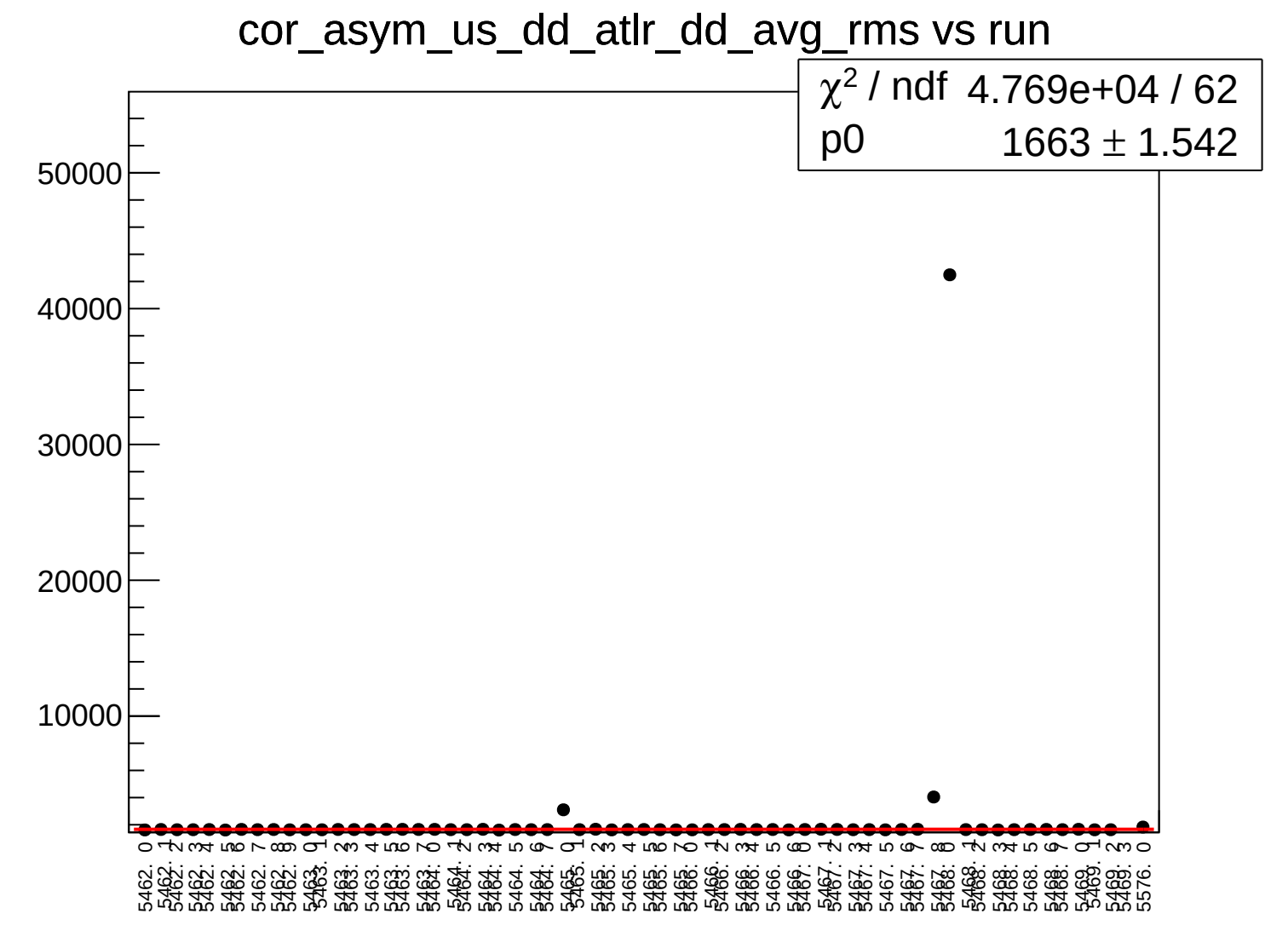

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 53.79 / 62
p0 1863 ± 2154
pull
Entries 63
Mean −42.51
Std Dev 0


pull1D
Entries 63
Mean 0.02328
Std Dev 0.9237


asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 2.306e+04 / 62
p0 1660 ± 1.523
1800
1600
1400
1200
1000
800


cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 64.71 / 60
p0 −499.6 ± 2181
pull
Entries 61
Mean 95.21
Std Dev 0


pull1D
Entries 61
Mean −0.02002
Std Dev 1.03


cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.769e+04 / 62
p0 1663 ± 1.542
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
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5464. 2
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5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
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5465. 6
5465. 7
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5467. 7
5468. 0
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5468. 2
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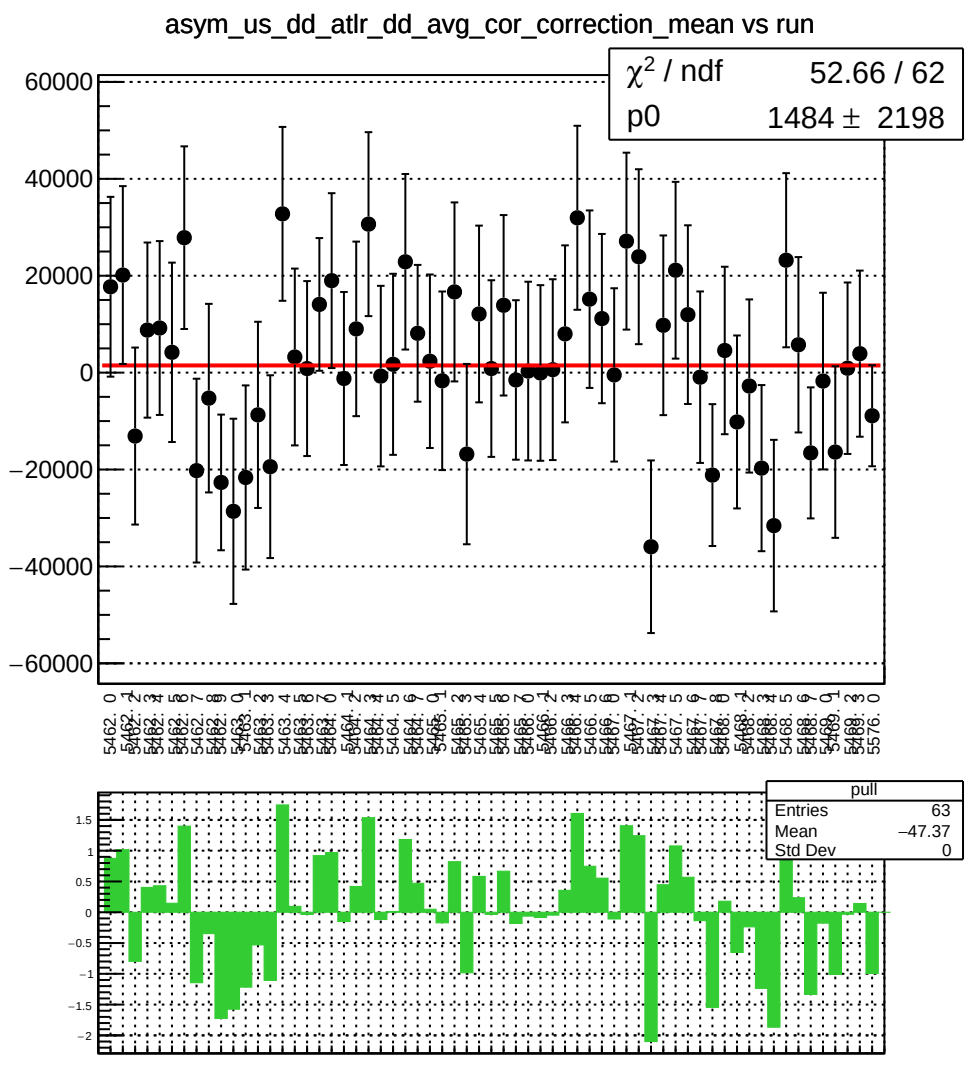
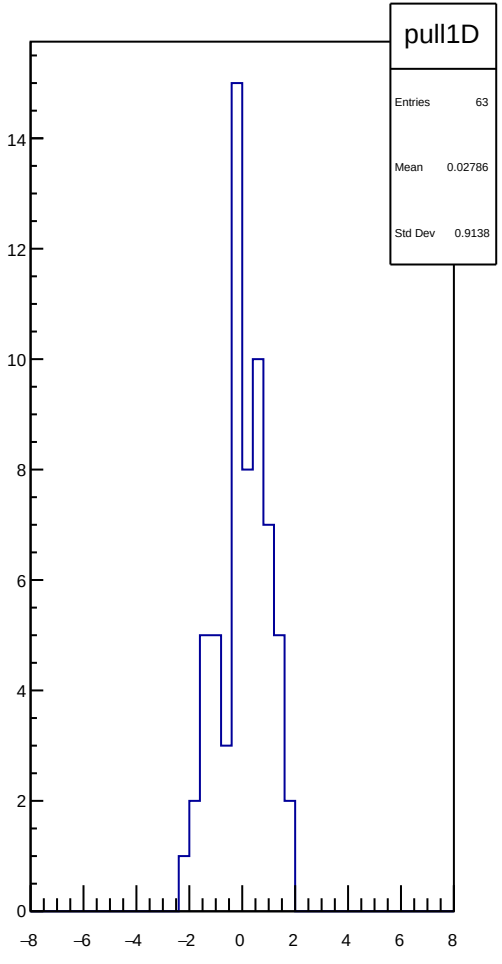
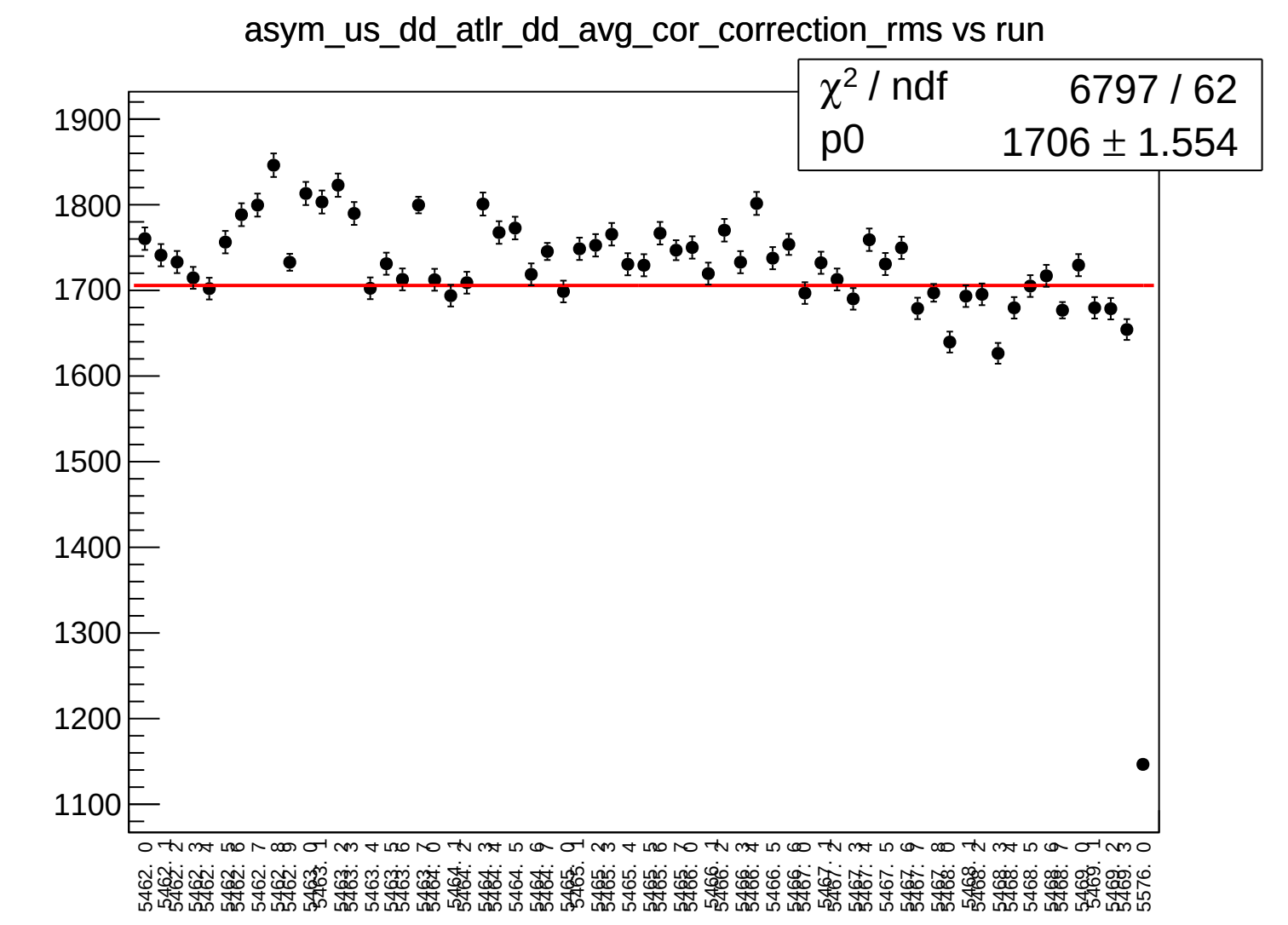
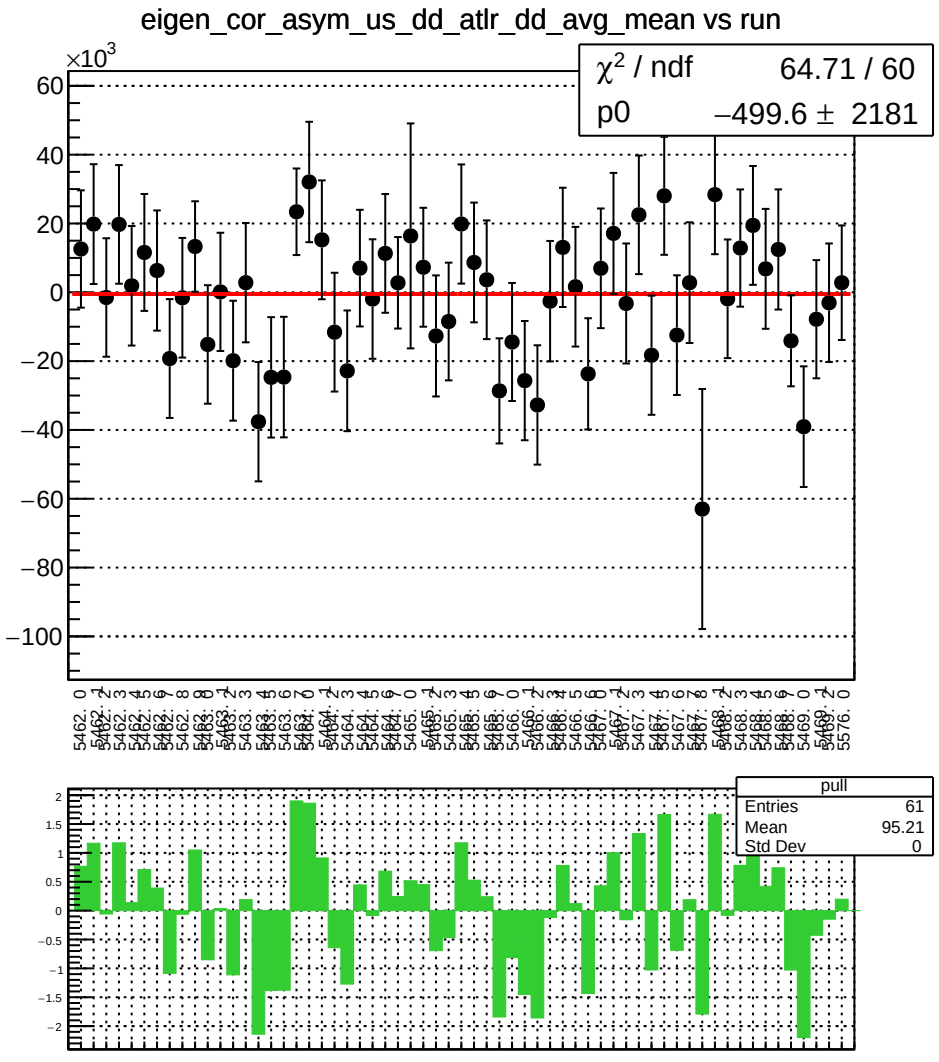
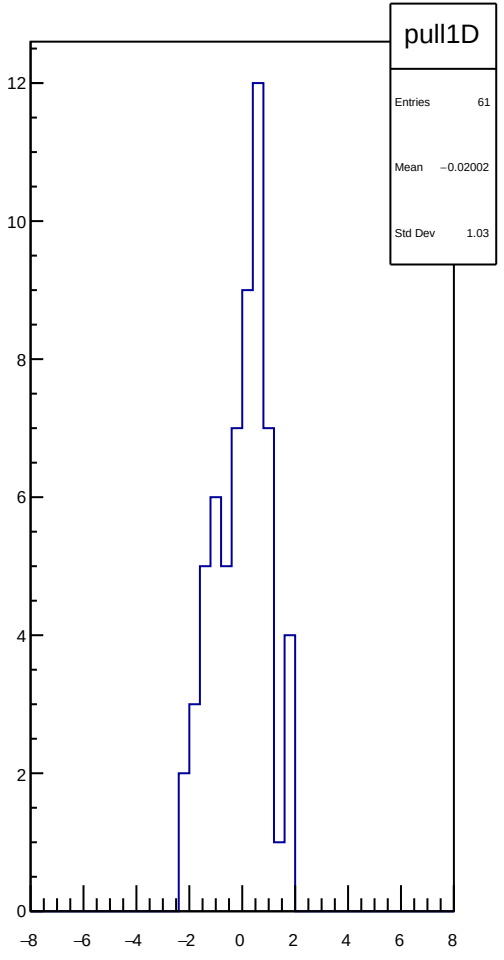
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

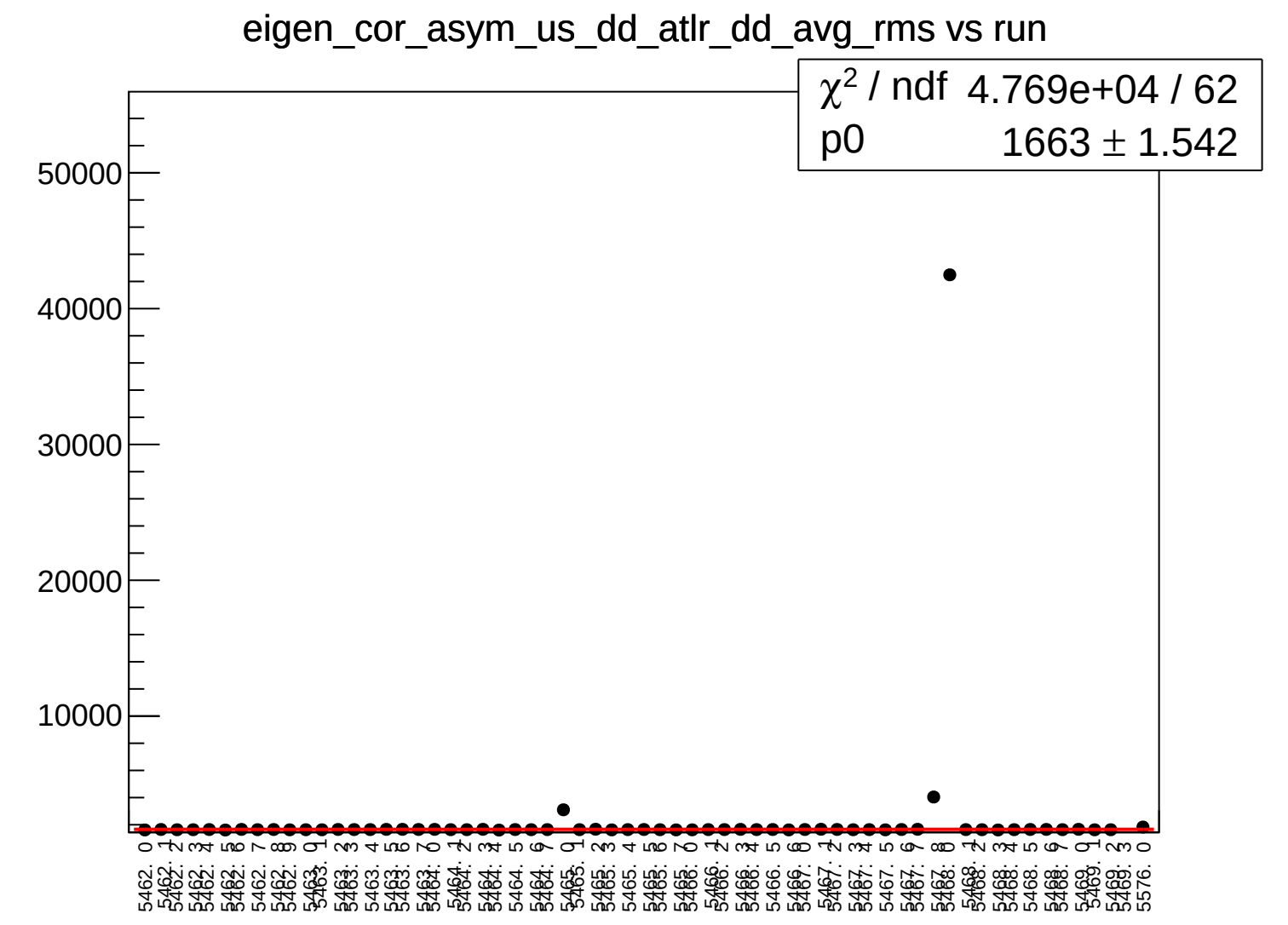

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 52.66 / 62
p0 1484 ± 2198
pull
Entries 63
Mean −47.37
Std Dev 0


pull1D
Entries 63
Mean 0.02786
Std Dev 0.9138


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 6797 / 62
p0 1706 ± 1.554
1900
1800
1700
1600
1500
1400
1300
1200
1100


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 64.71 / 60
p0 −499.6 ± 2181
pull
Entries 61
Mean 95.21
Std Dev 0


pull1D
Entries 61
Mean −0.02002
Std Dev 1.03


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.769e+04 / 62
p0 1663 ± 1.542
50000
40000
30000
20000
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
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5465. 0
5465. 1
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5465. 6
5465. 7
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5467. 0
5467. 1
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5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
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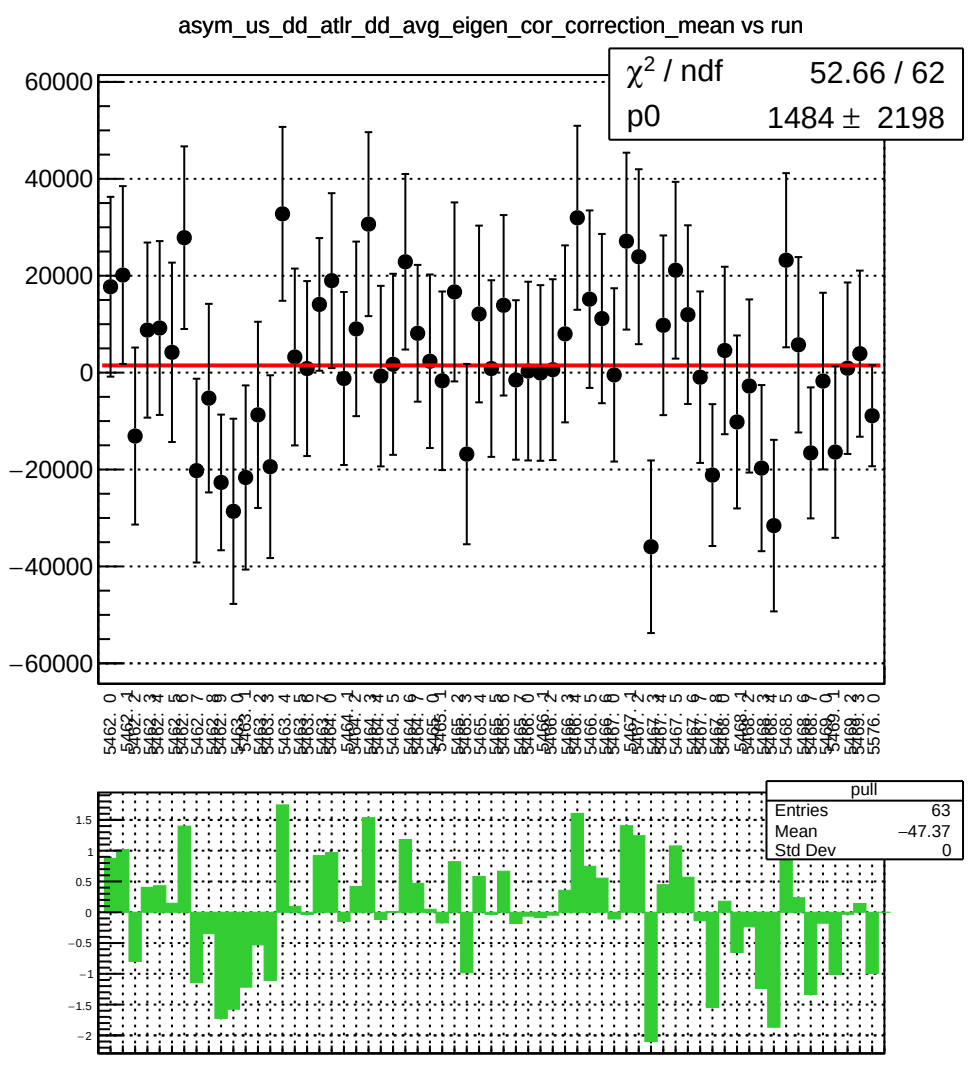
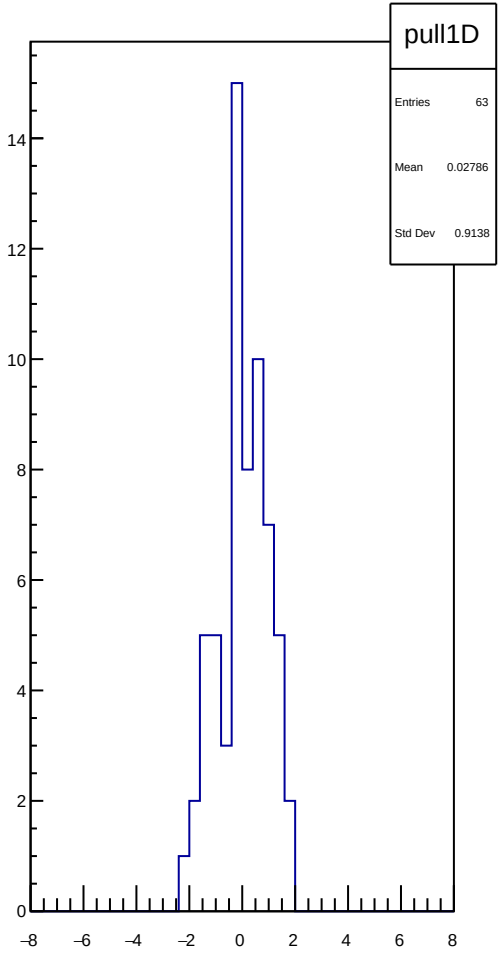
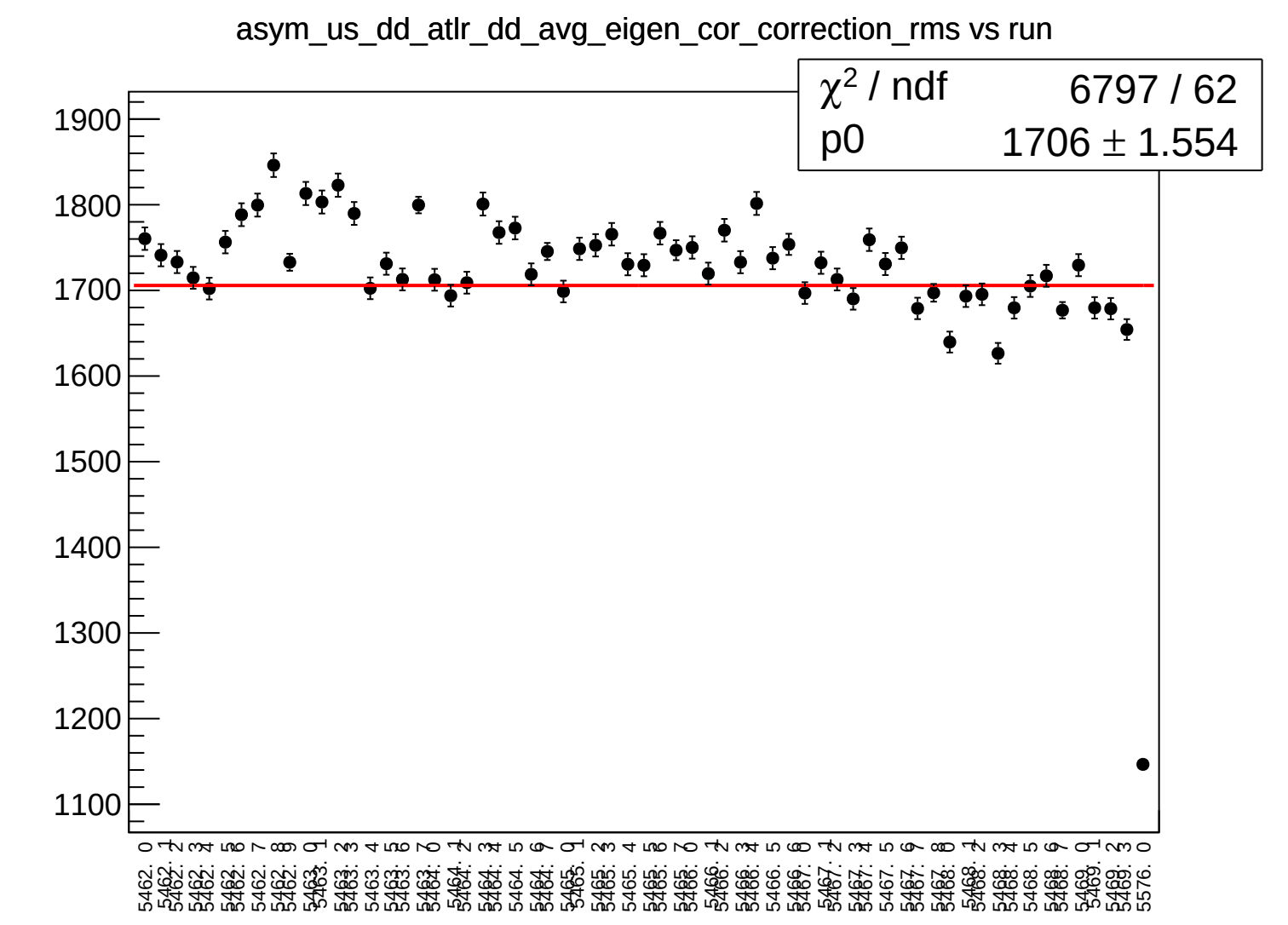
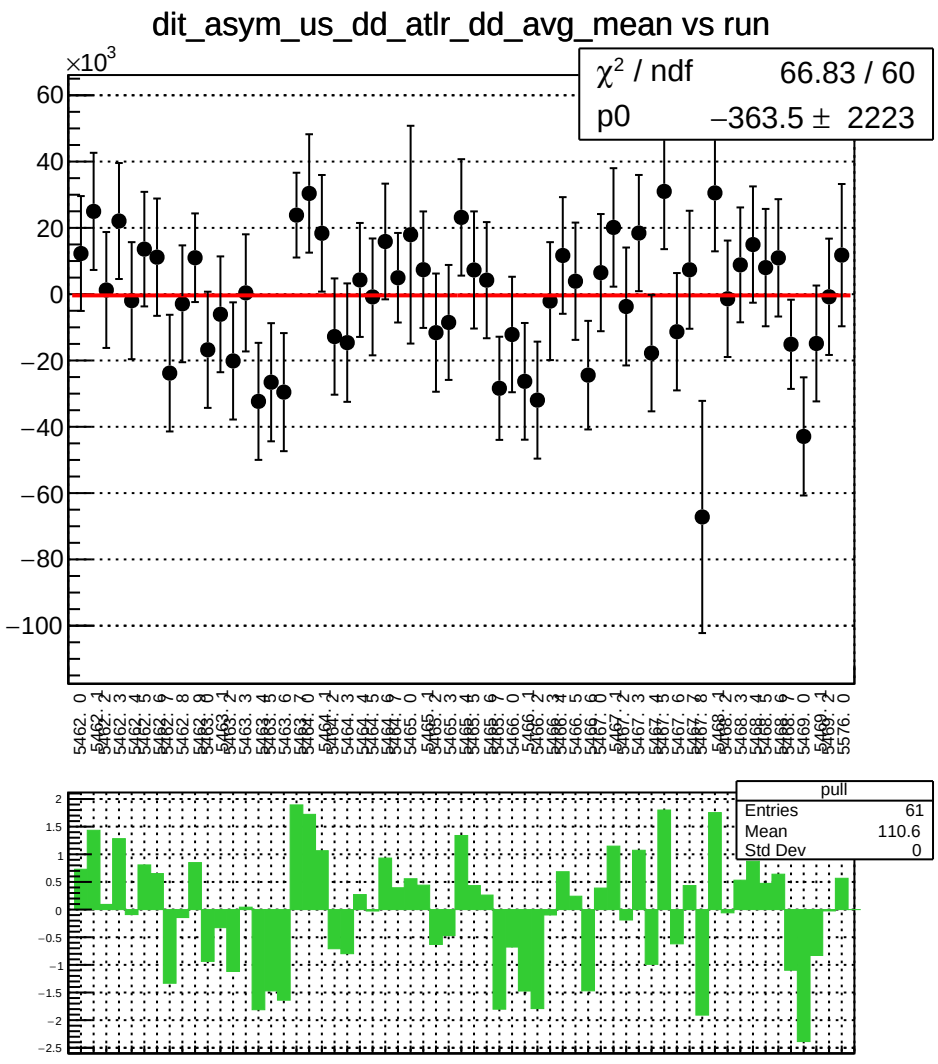
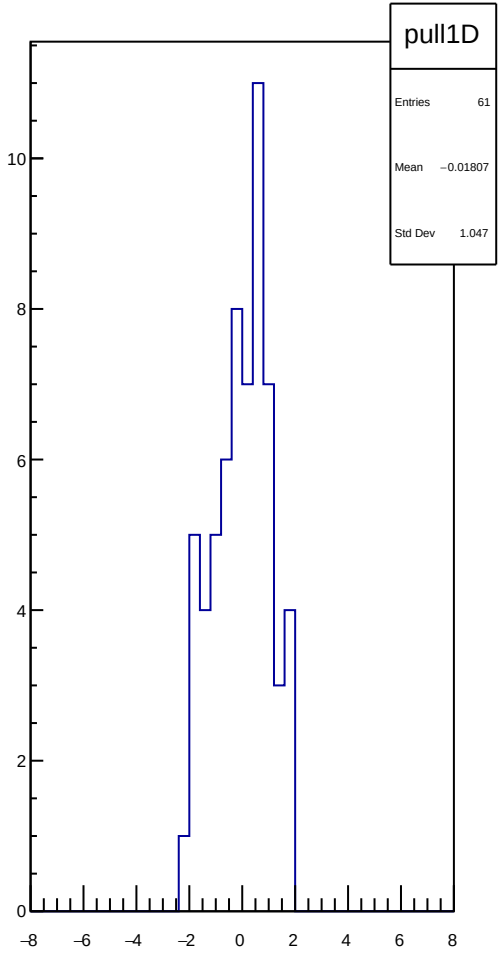
5469. 2
5469. 3
5576. 0

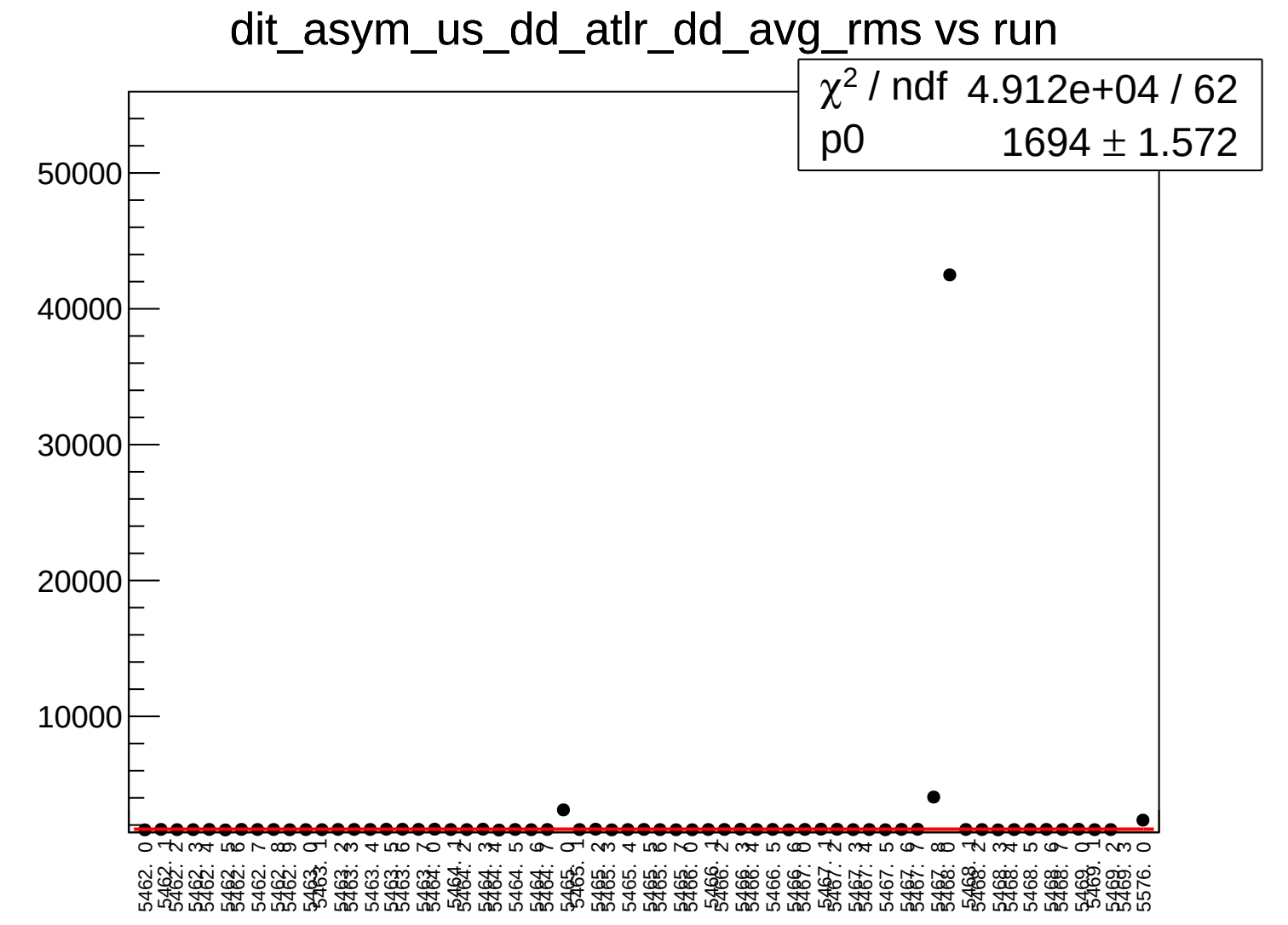

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.66 / 62
p0 1484 ± 2198
pull
Entries 63
Mean −47.37
Std Dev 0

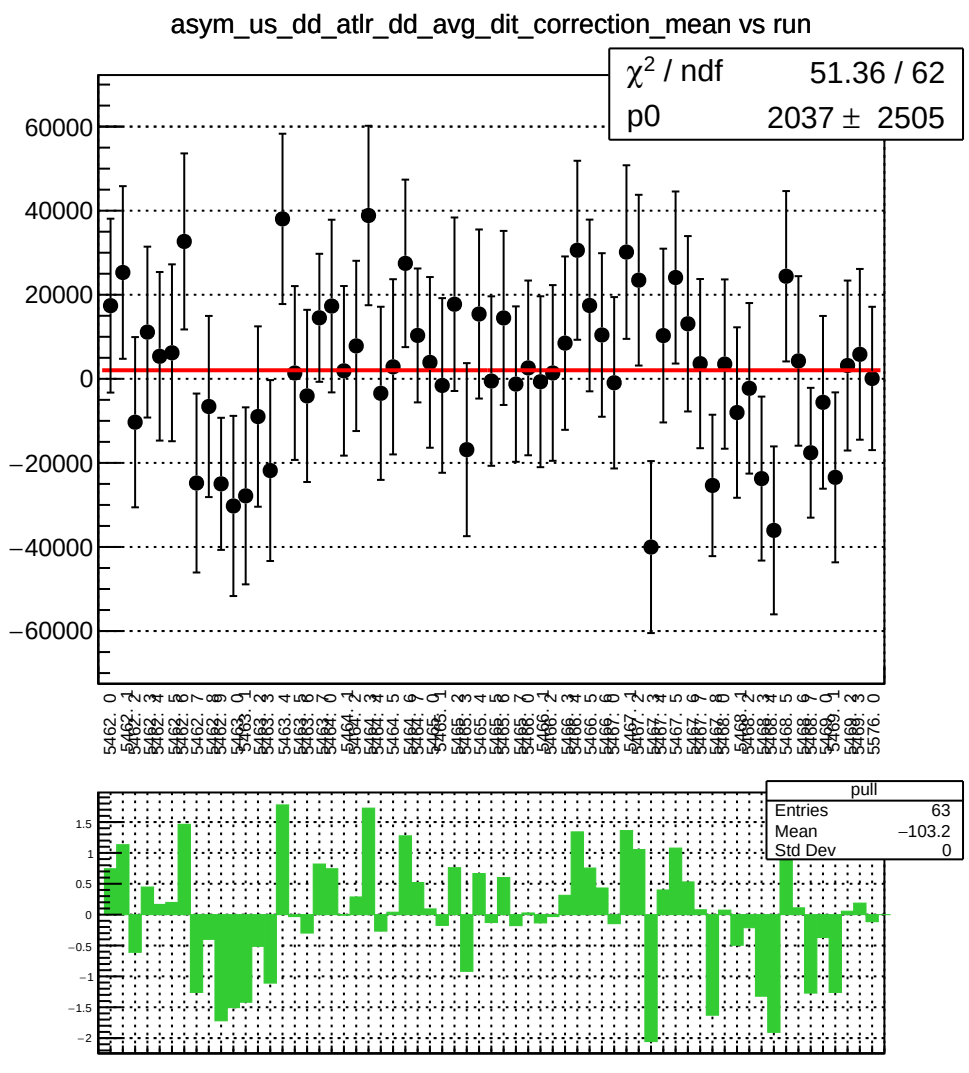

pull1D
Entries 63
Mean 0.02786
Std Dev 0.9138

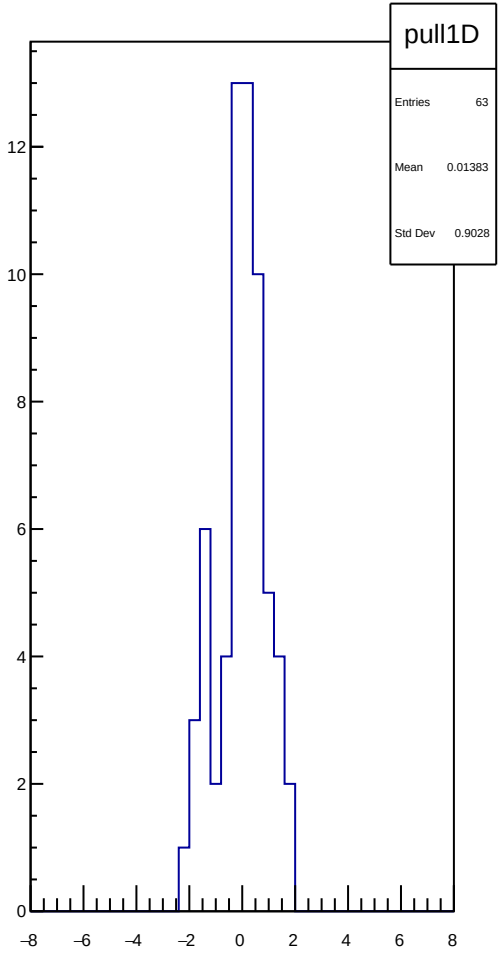

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 6797 / 62
p0 1706 ± 1.554
1900
1800
1700
1600
1500
1400
1300
1200
1100

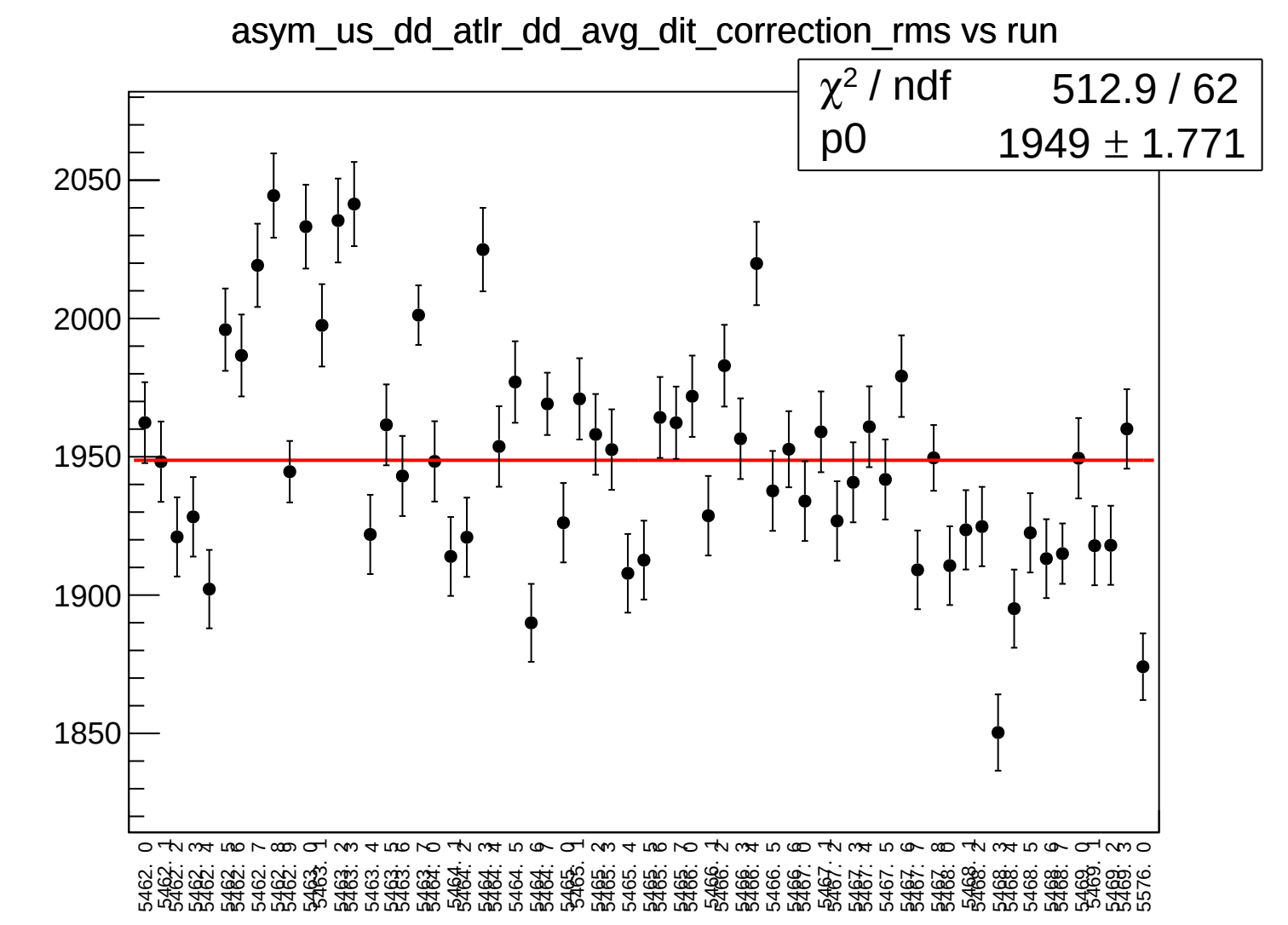

dit_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 66.83 / 60
p0 −363.5 ± 2223
pull
Entries 61
Mean 110.6
Std Dev 0

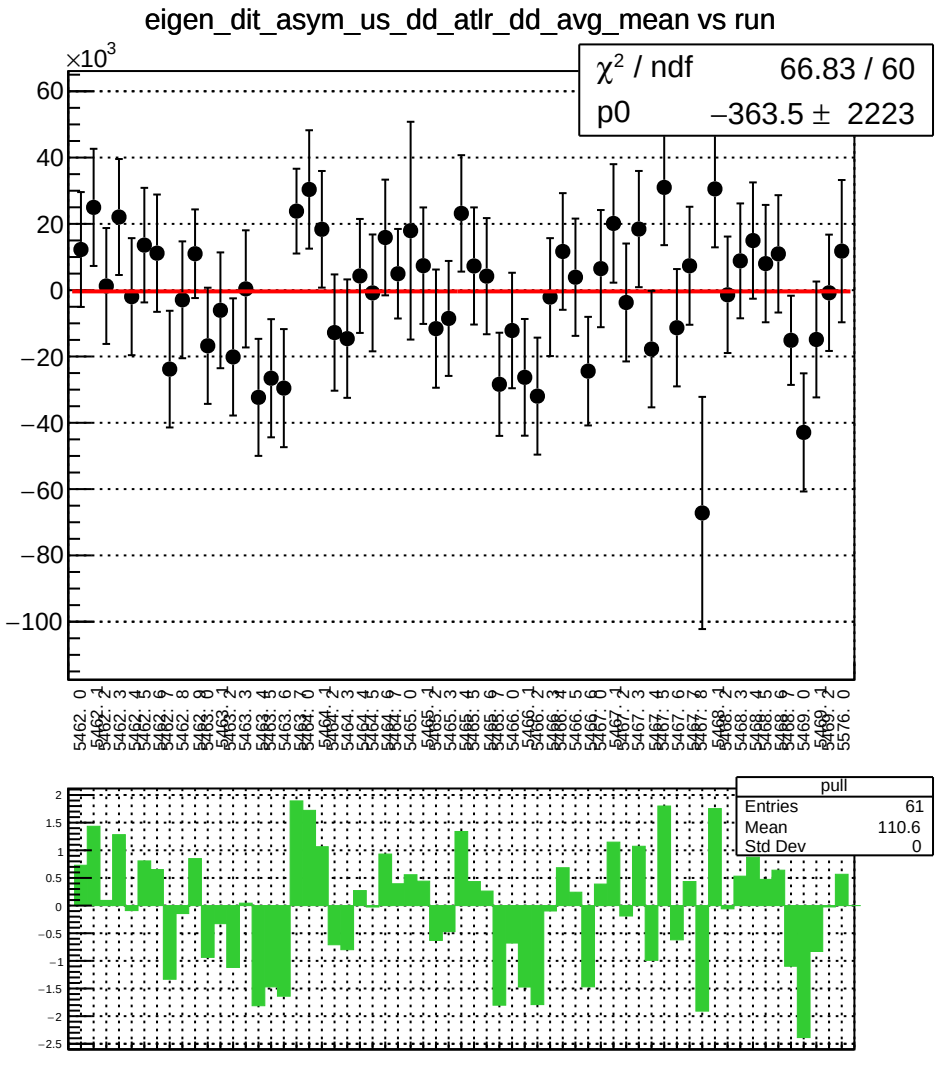

pull1D
Entries 61
Mean −0.01807
Std Dev 1.047

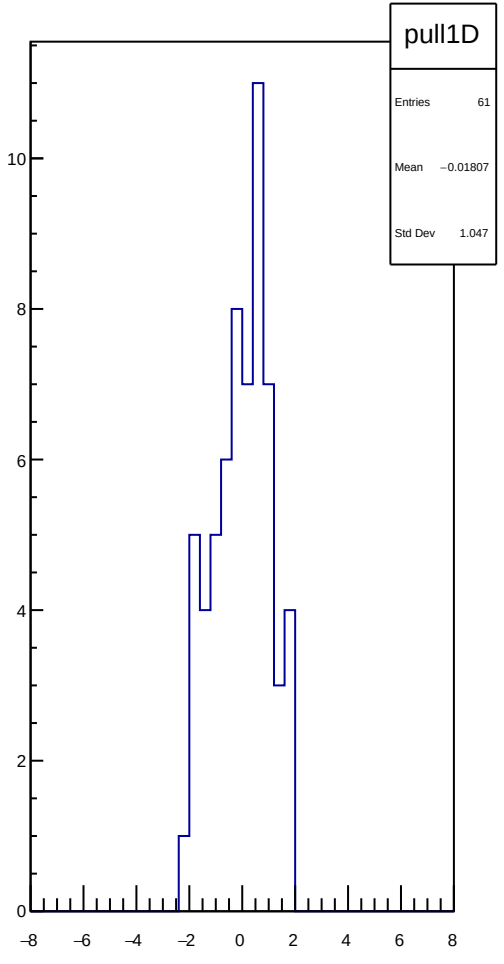

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.912e+04 / 62
p0 1694 ± 1.572
50000
40000
30000
20000
10000

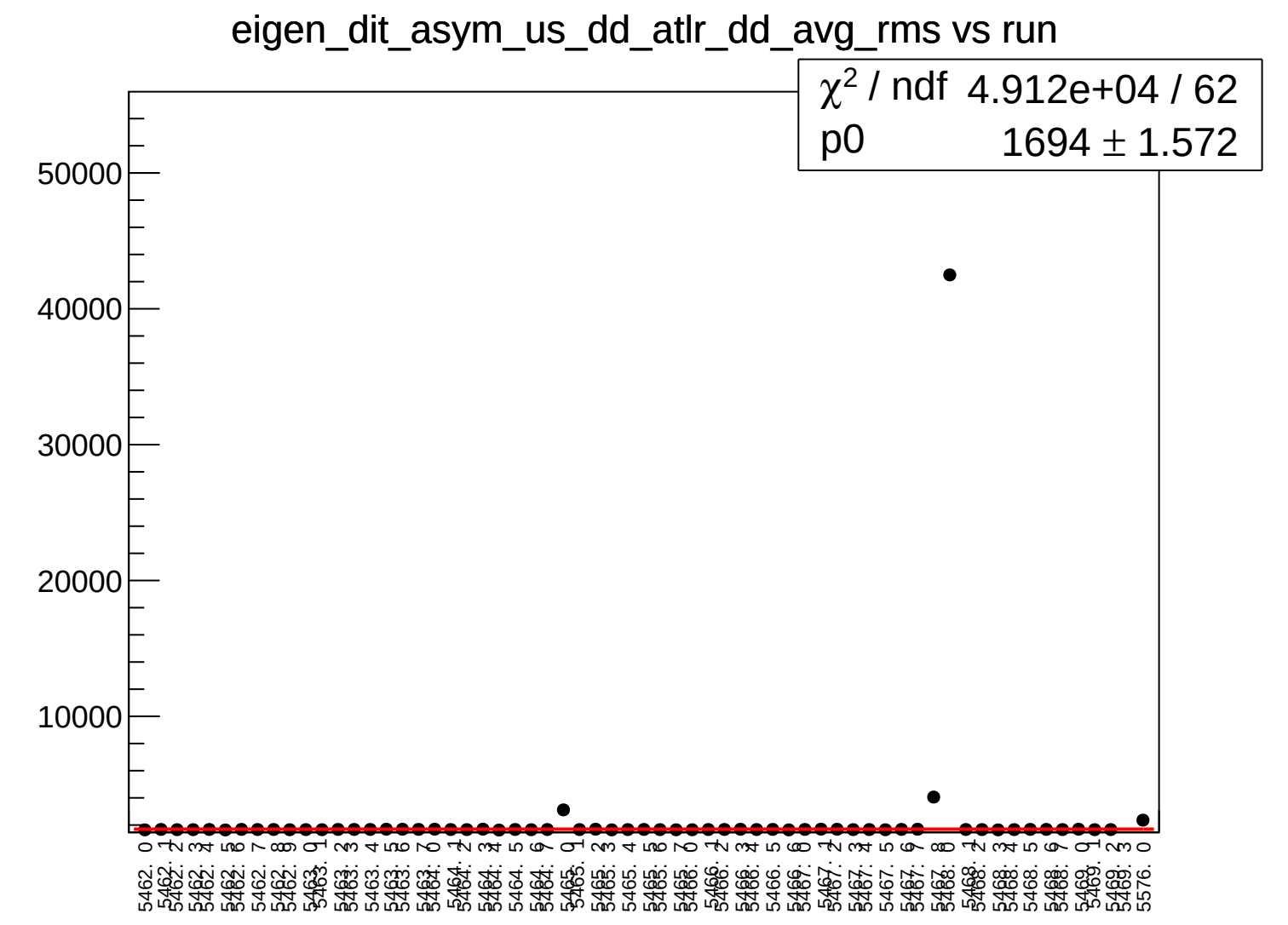

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 51.36 / 62
p0 2037 ± 2505
pull
Entries 63
Mean −103.2
Std Dev 0

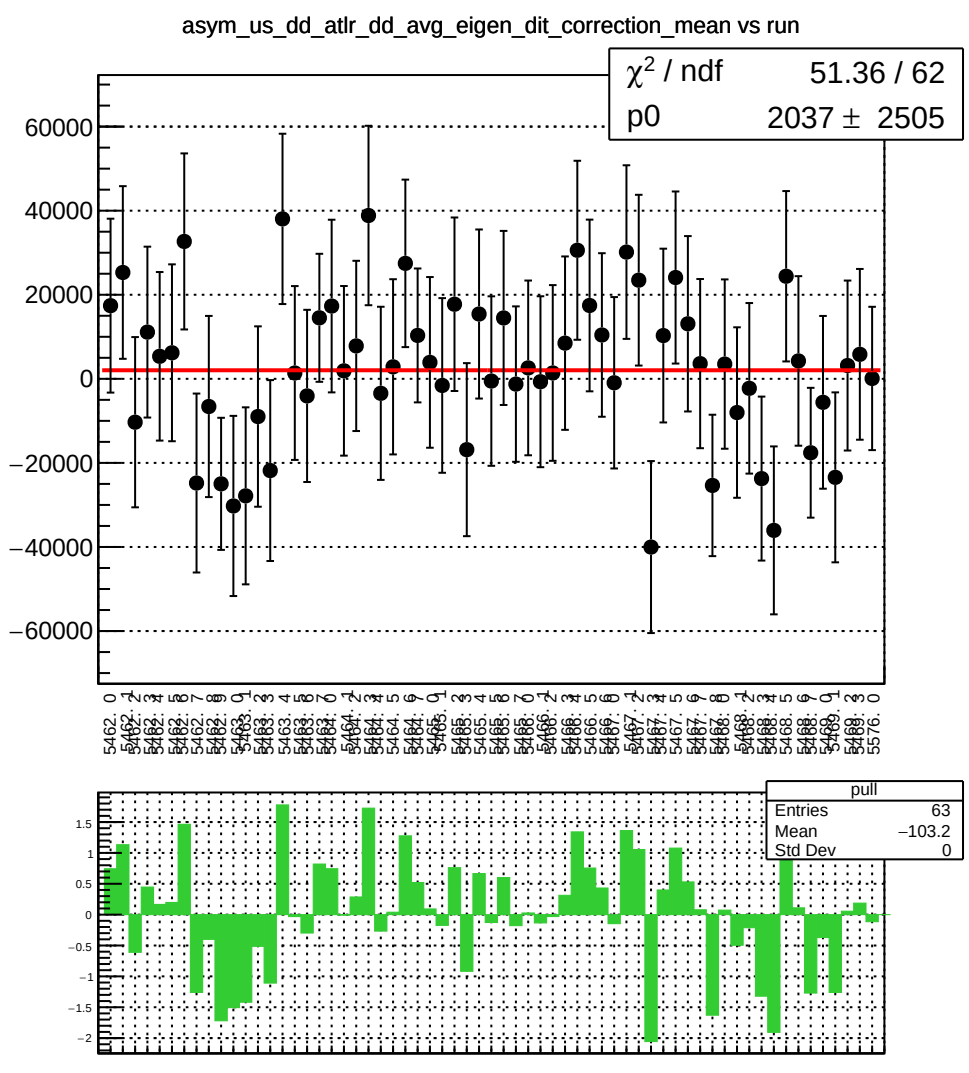

pull1D
Entries 63
Mean 0.01383
Std Dev 0.9028

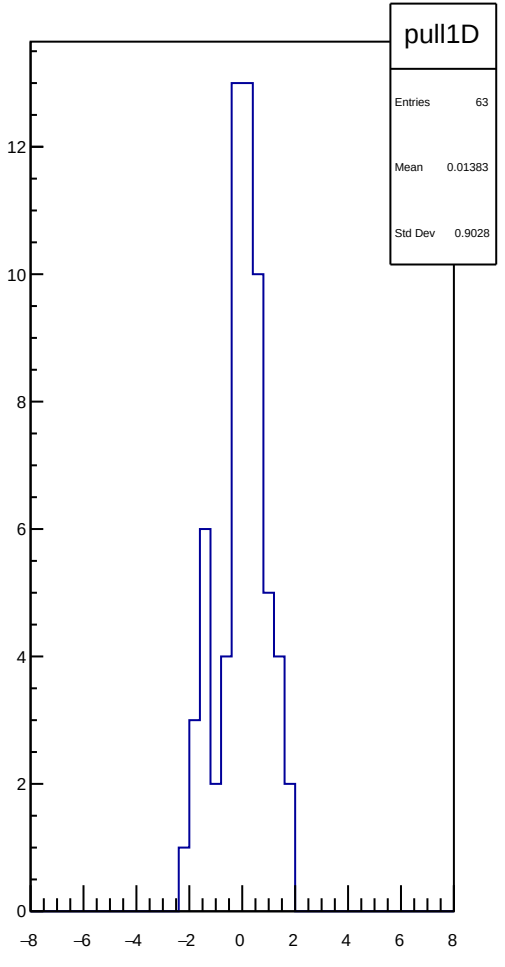

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 512.9 / 62
p0 1949 ± 1.771
2050
2000
1950
1900
1850

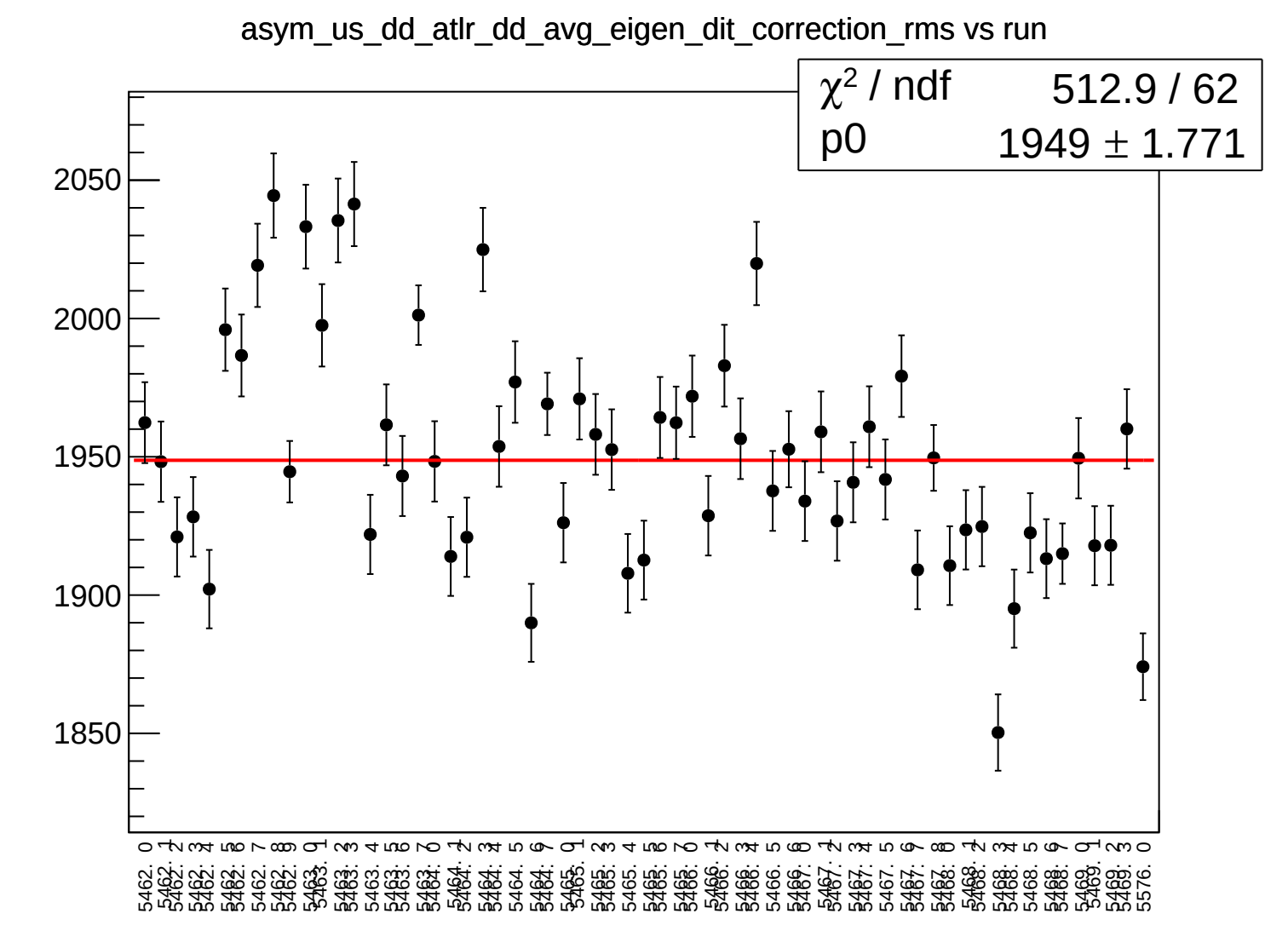

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 66.83 / 60
p0 −363.5 ± 2223
pull
Entries 61
Mean 110.6
Std Dev 0

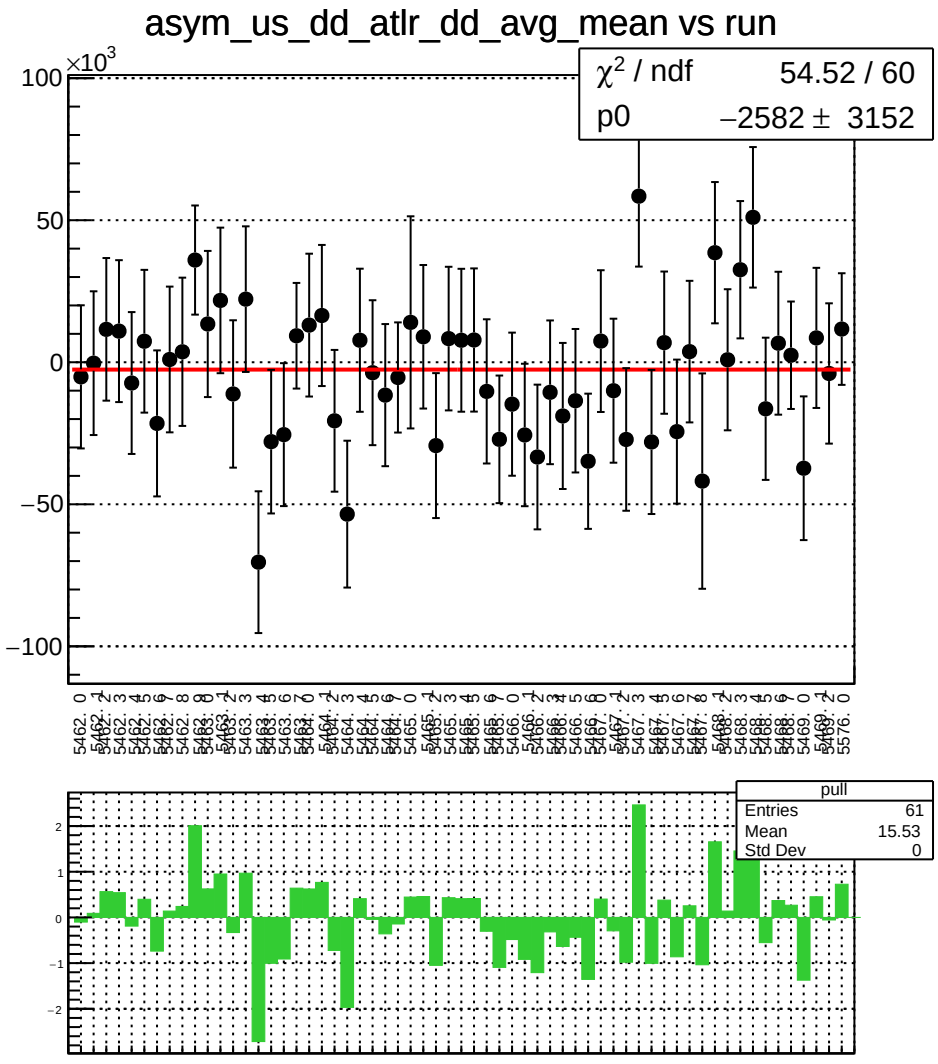

pull1D
Entries 61
Mean −0.01807
Std Dev 1.047

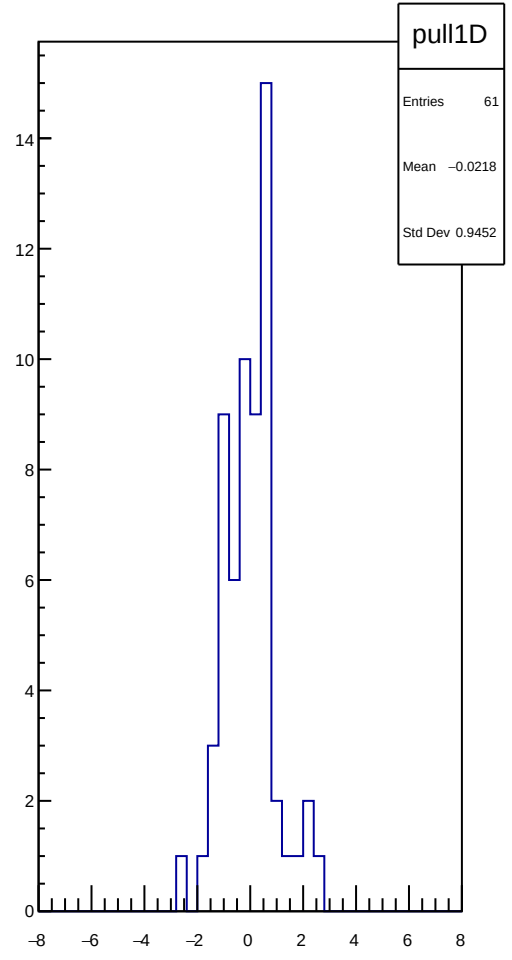

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.912e+04 / 62
p0 1694 ± 1.572
50000
40000
30000
20000
10000

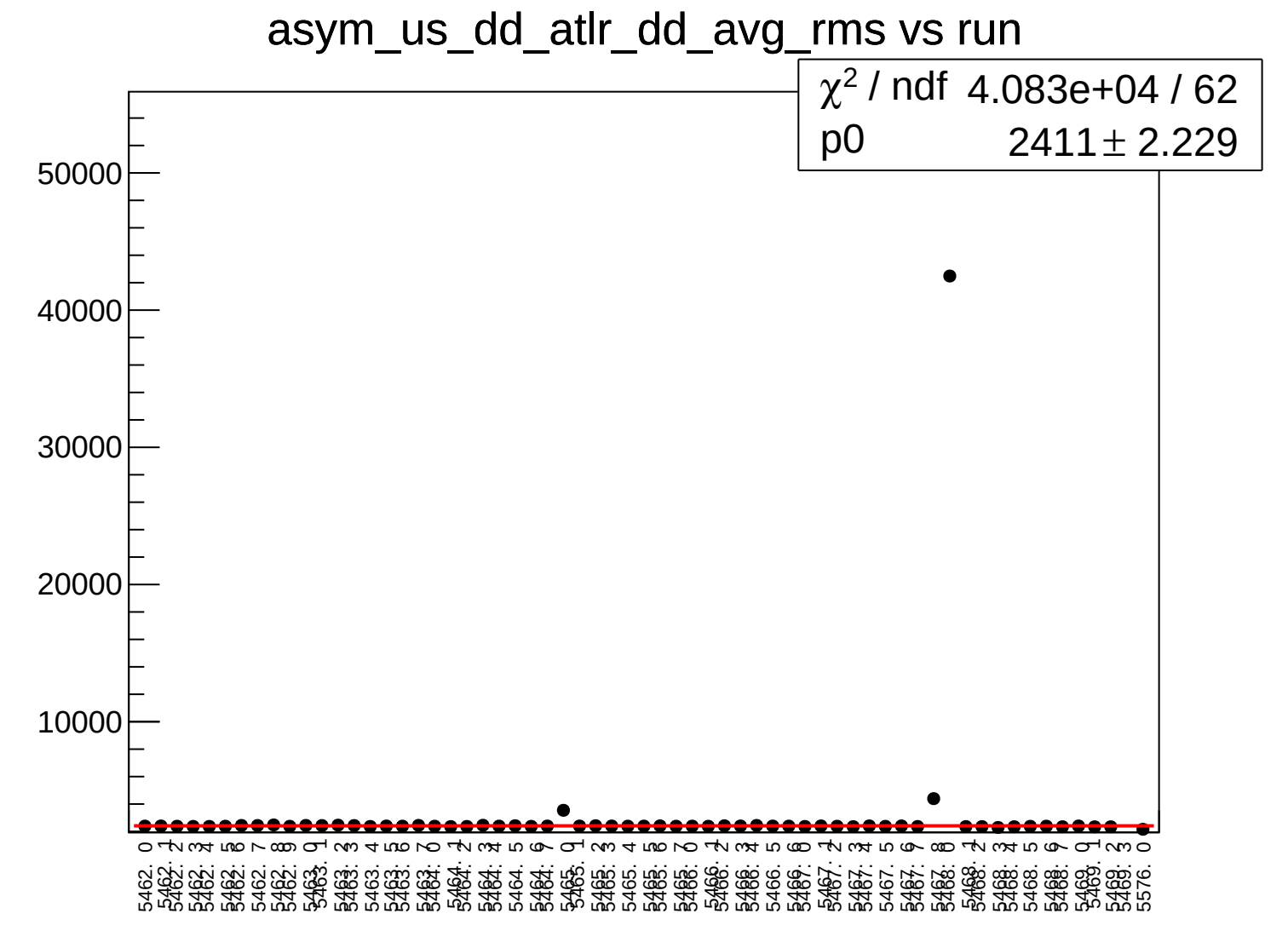

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.36 / 62
p0 2037 ± 2505
pull
Entries 63
Mean −103.2
Std Dev 0

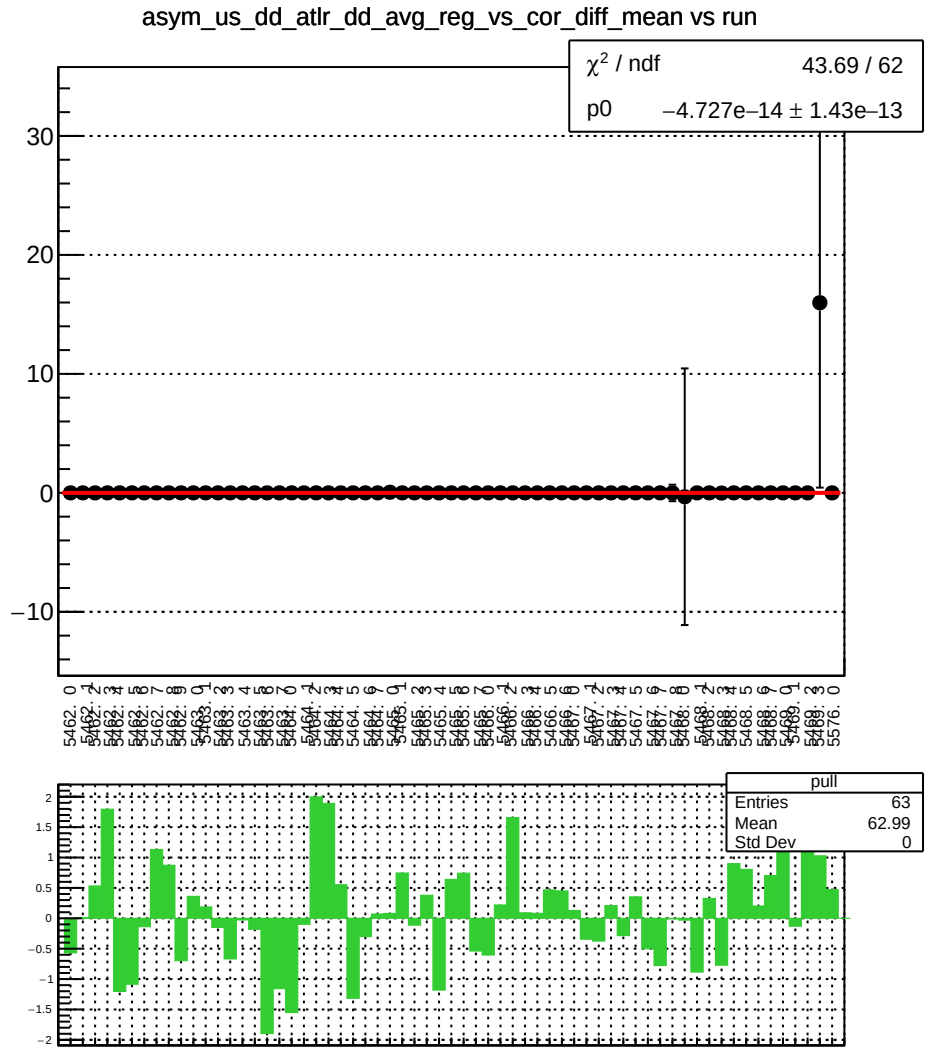

pull1D
Entries 63
Mean 0.01383
Std Dev 0.9028

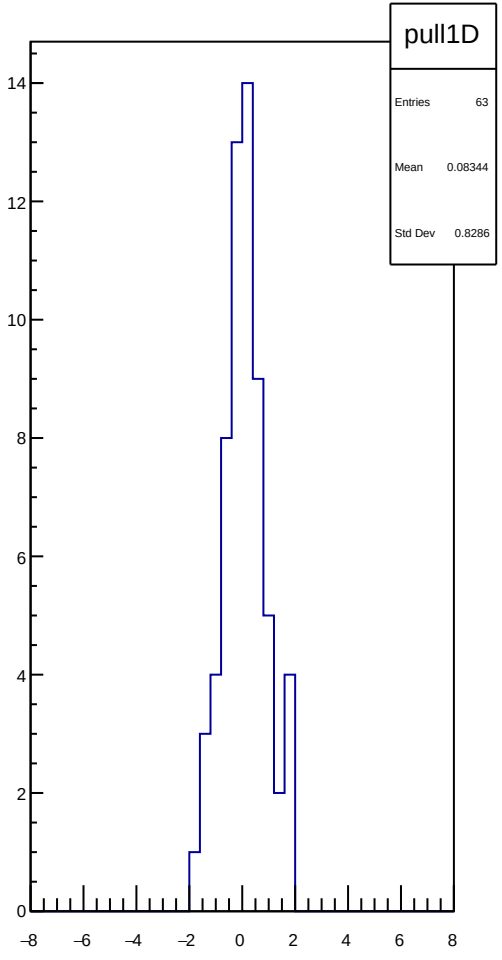

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 512.9 / 62
p0 1949 ± 1.771
2050
2000
1950
1900
1850

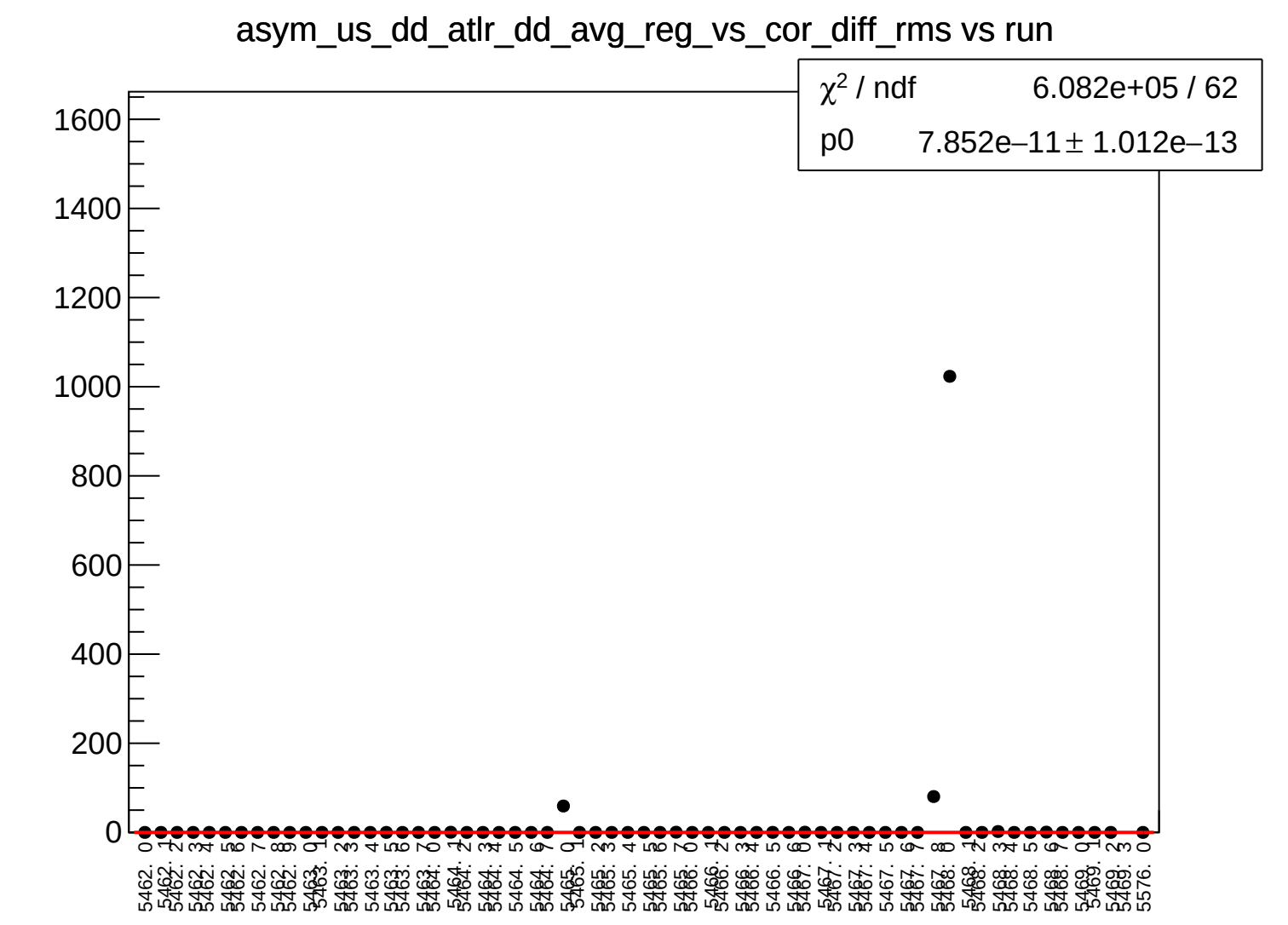

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 54.52 / 60
p0 −2582 ± 3152
pull
Entries 61
Mean 15.53
Std Dev 0

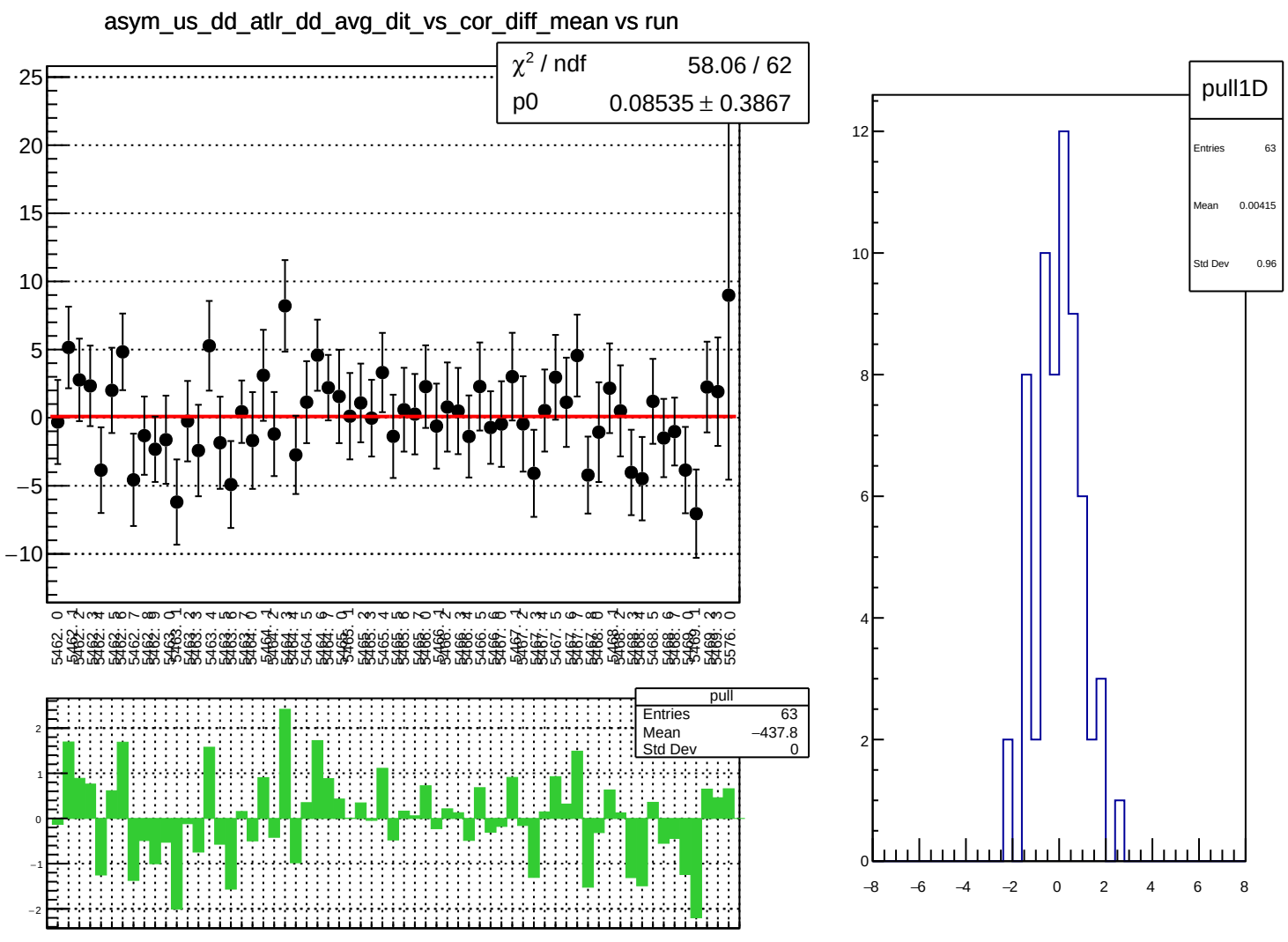

pull1D
Entries 61
Mean −0.0218
Std Dev 0.9452

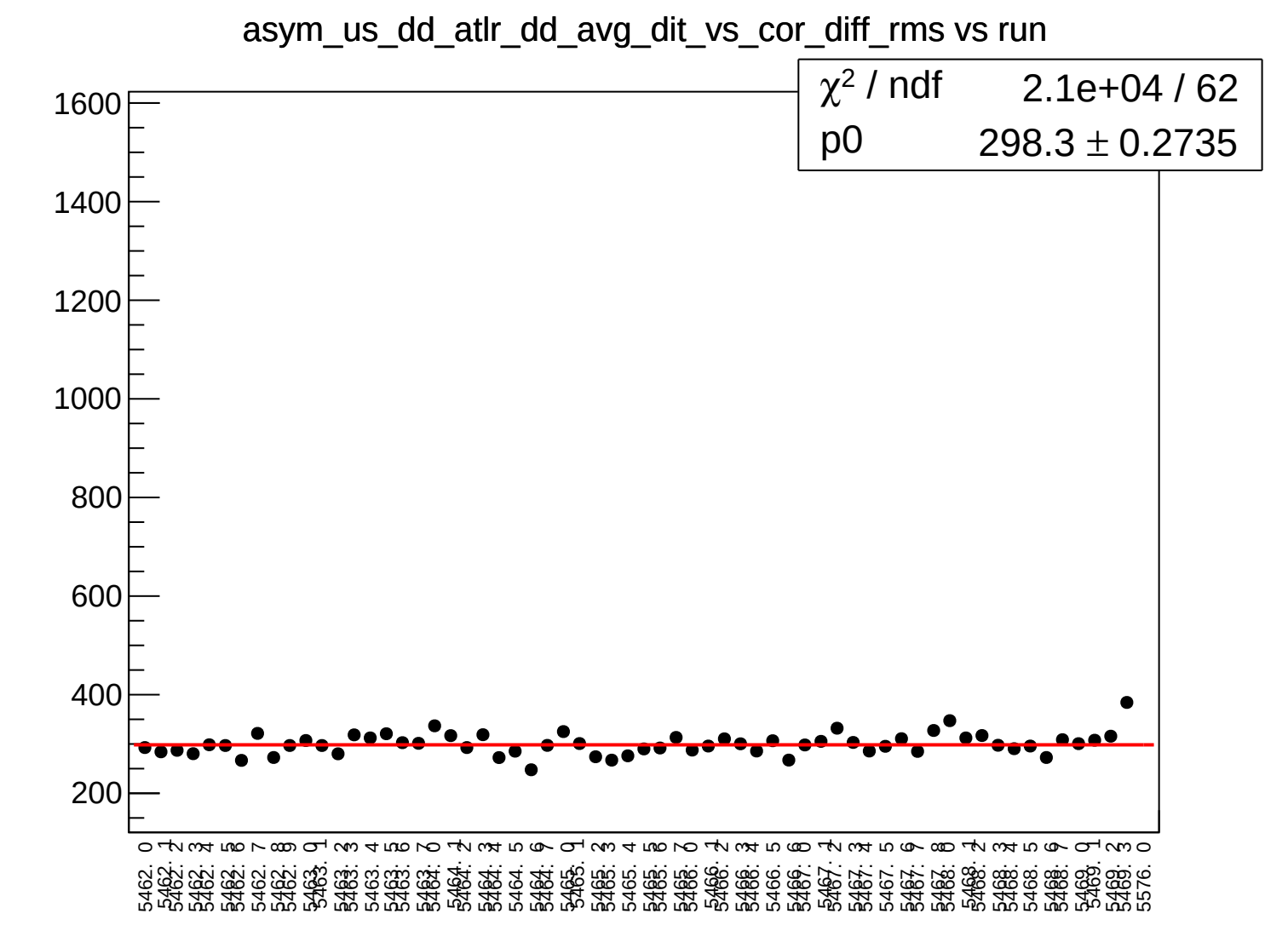

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 4.083e+04 / 62
p0 2411 ± 2.229
50000
40000
30000
20000
10000

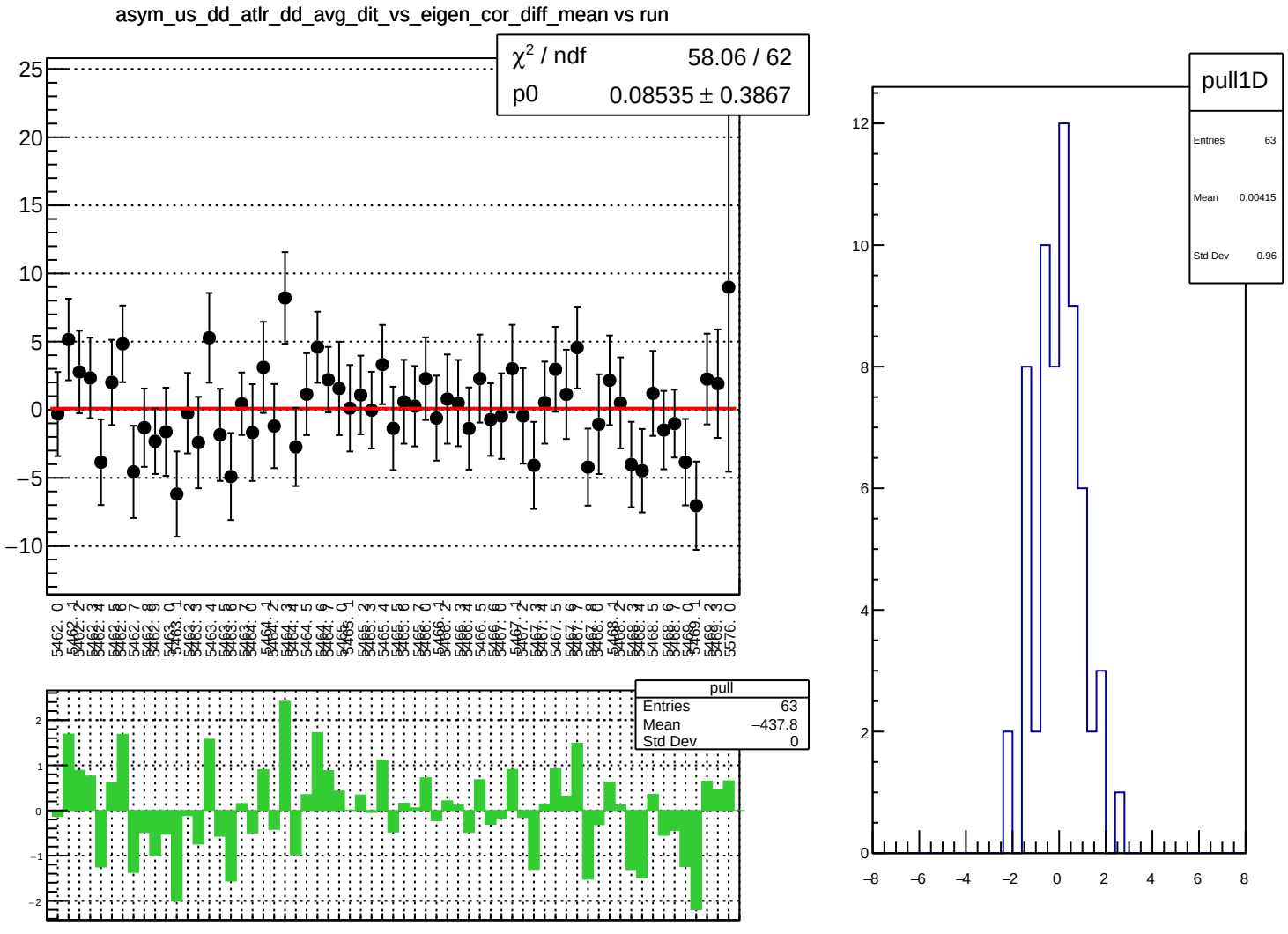

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.69 / 62
p0 −4.727e−14 ± 1.43e−13
pull
Entries 63
Mean 62.99
Std Dev 0

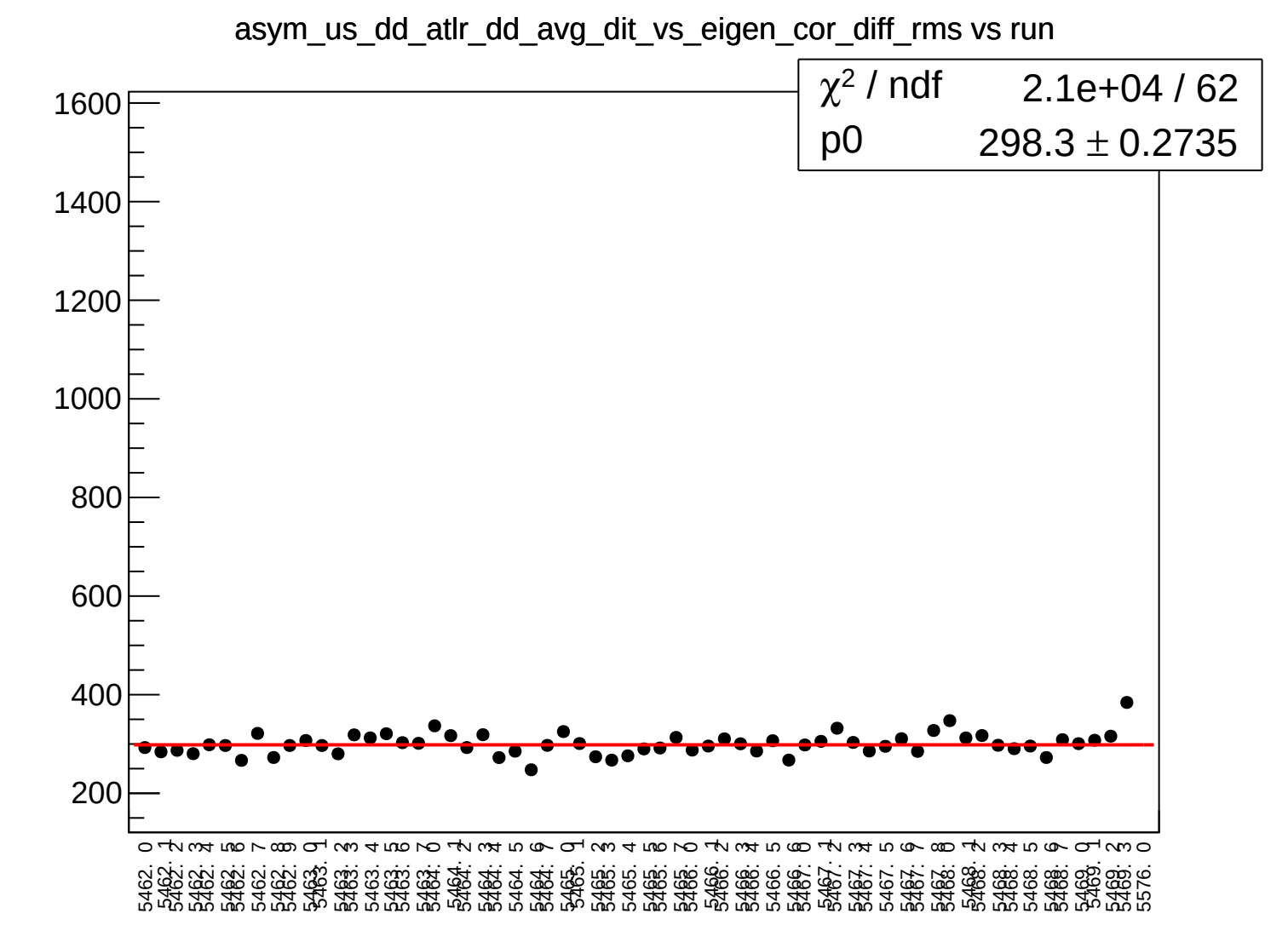

pull1D
Entries 63
Mean 0.08344
Std Dev 0.8286


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.082e+05 / 62
p0 7.852e−11 ± 1.012e−13
1600
1400
1200
1000
800
600
400
200
0


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.06 / 62
p0 0.08535 ± 0.3867
pull
Entries 63
Mean −437.8
Std Dev 0
pull1D
Entries 63
Mean 0.00415
Std Dev 0.96


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.1e+04 / 62
p0 298.3 ± 0.2735
1600
1400
1200
1000
800
600
400
200


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.06 / 62
p0 0.08535 ± 0.3867
pull
Entries 63
Mean −437.8
Std Dev 0
pull1D
Entries 63
Mean 0.00415
Std Dev 0.96


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.1e+04 / 62
p0 298.3 ± 0.2735
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
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5465. 0
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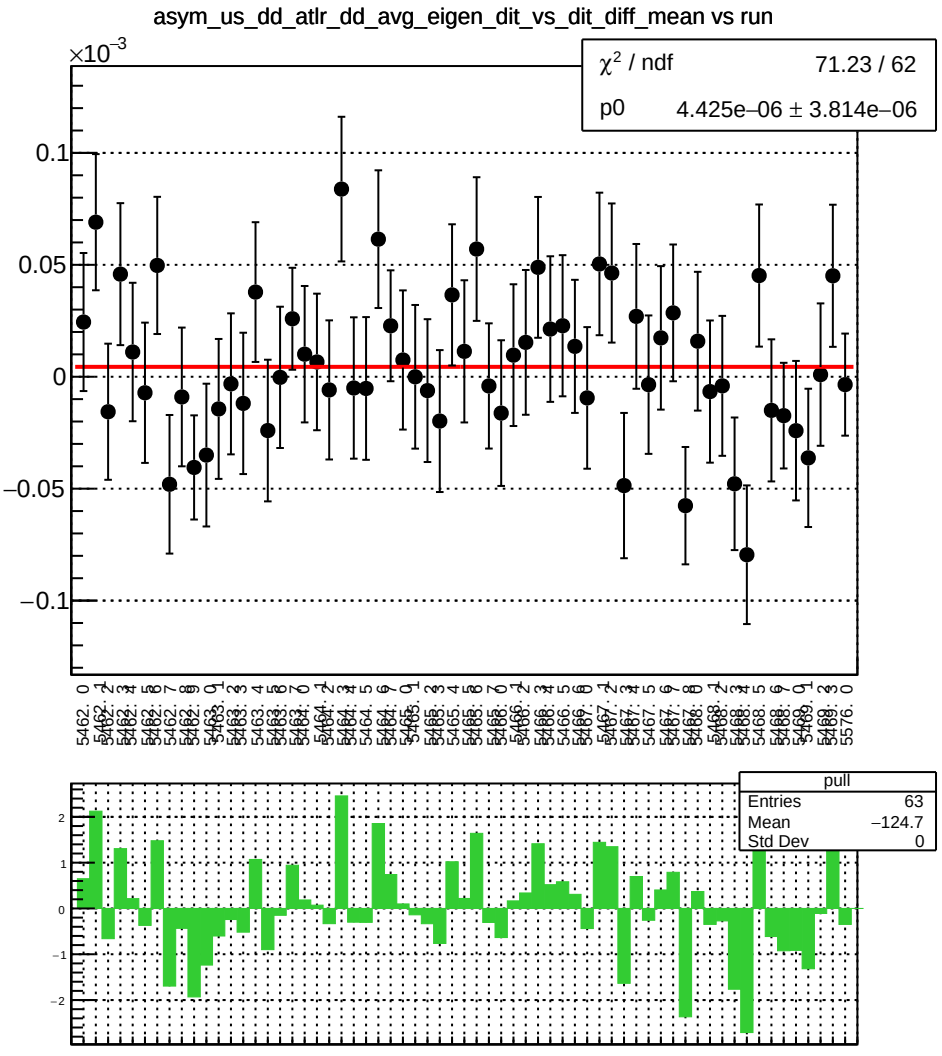
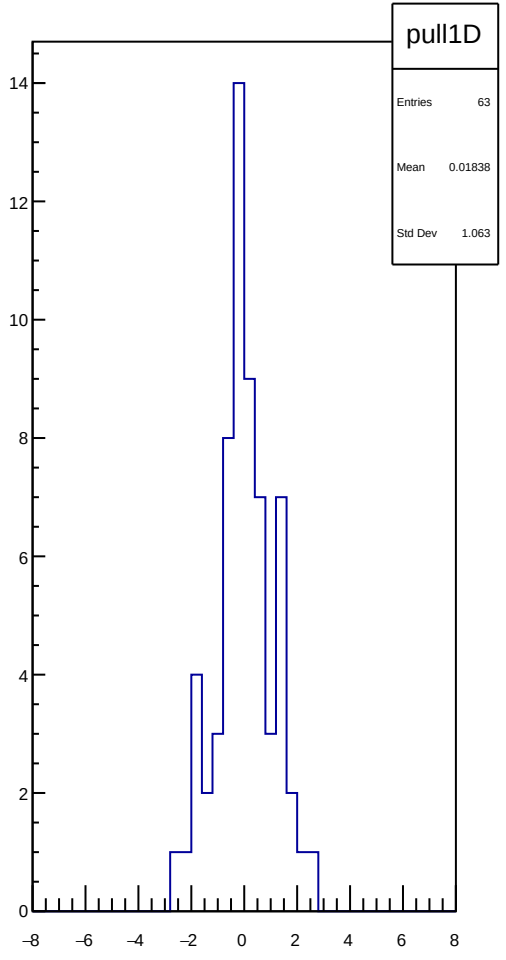
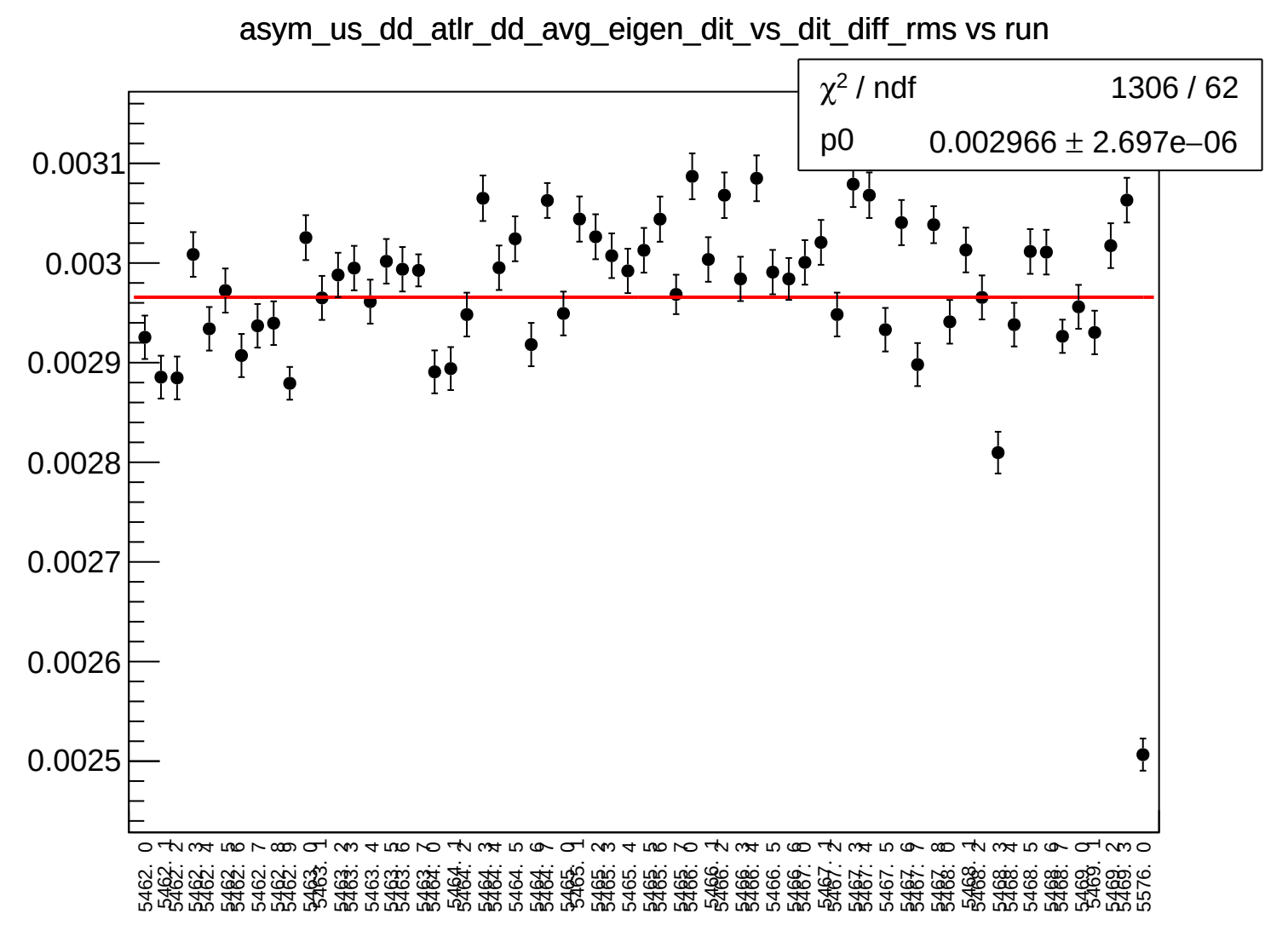
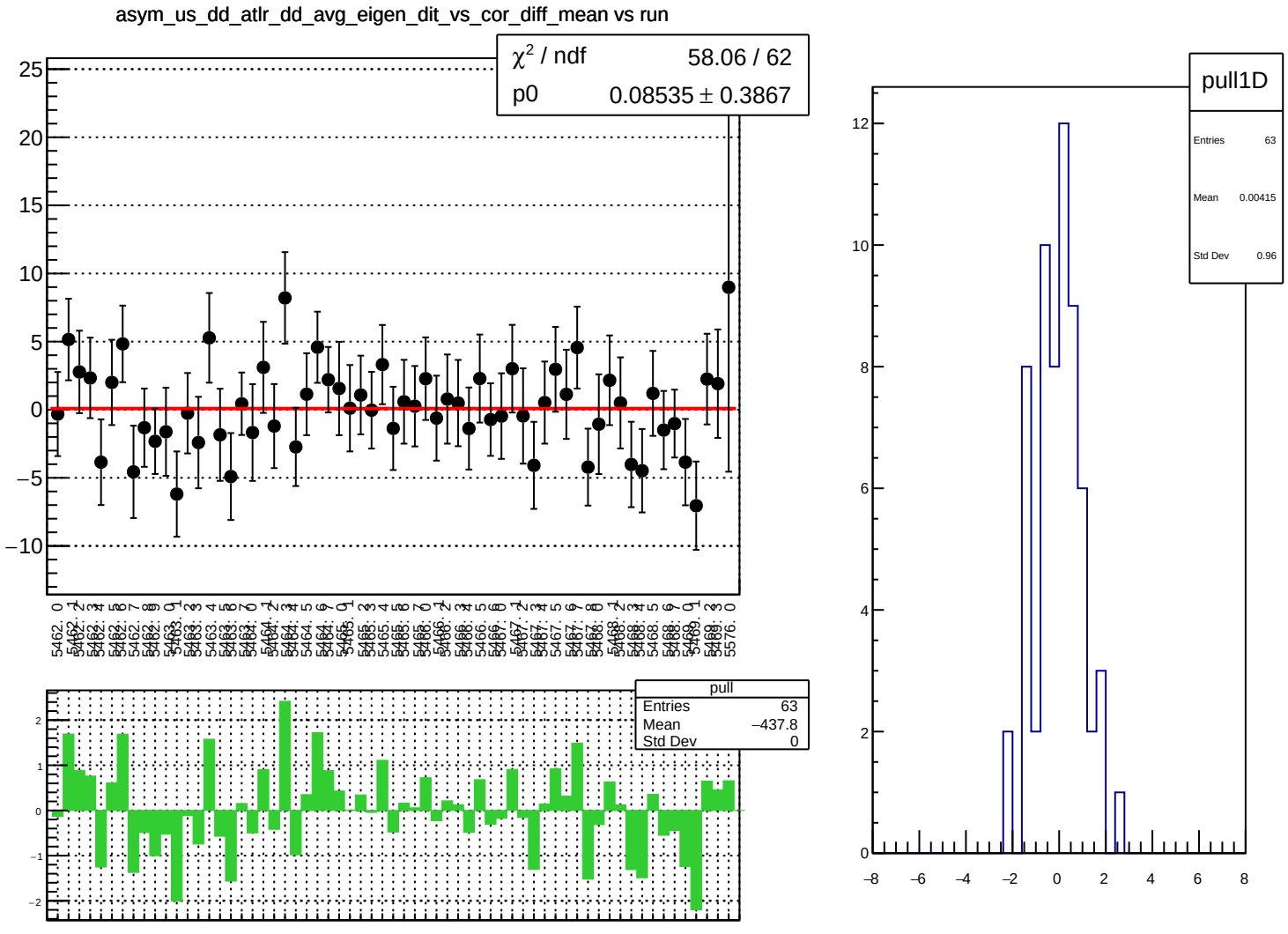
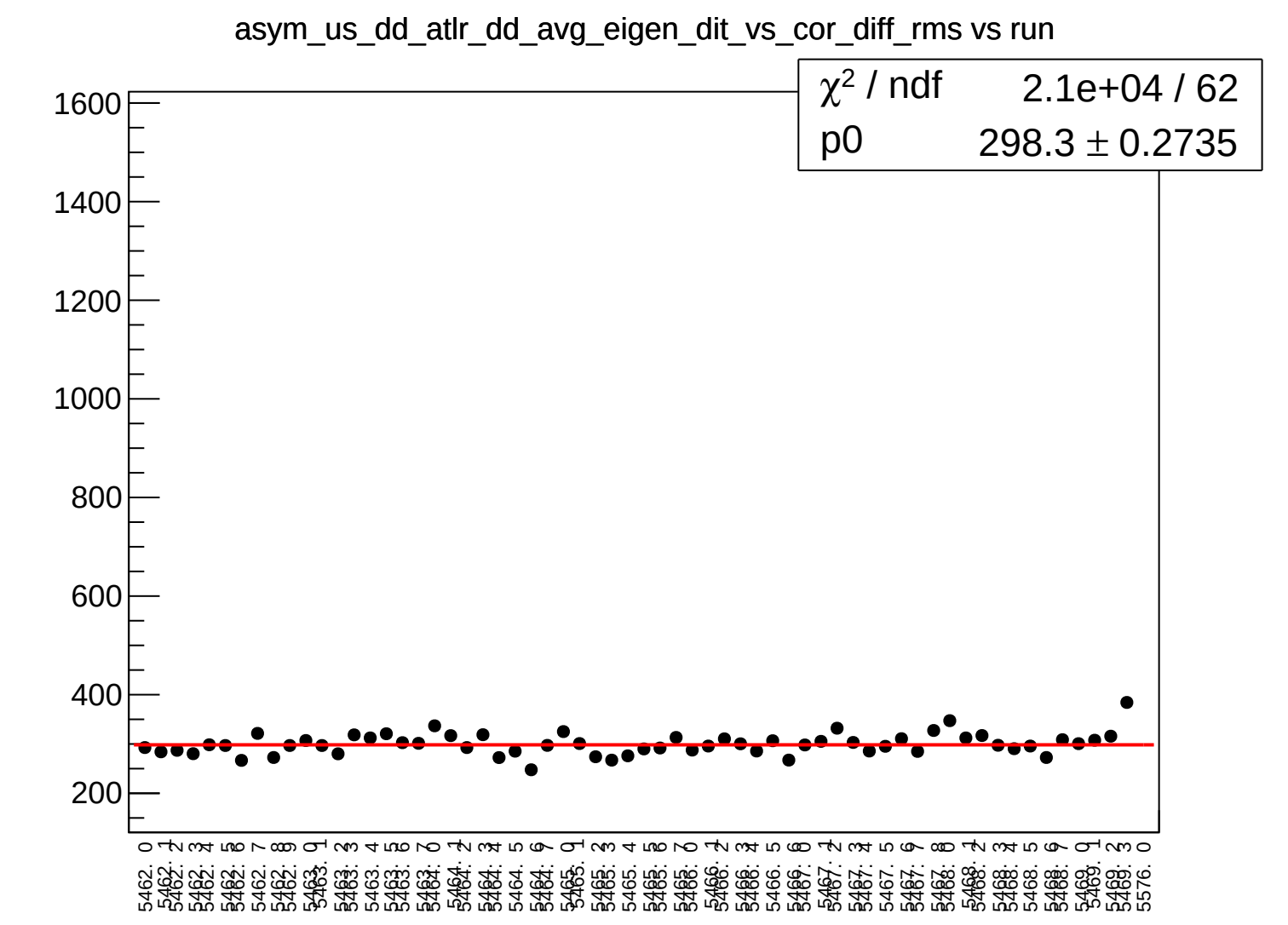
5469. 3
5576. 0

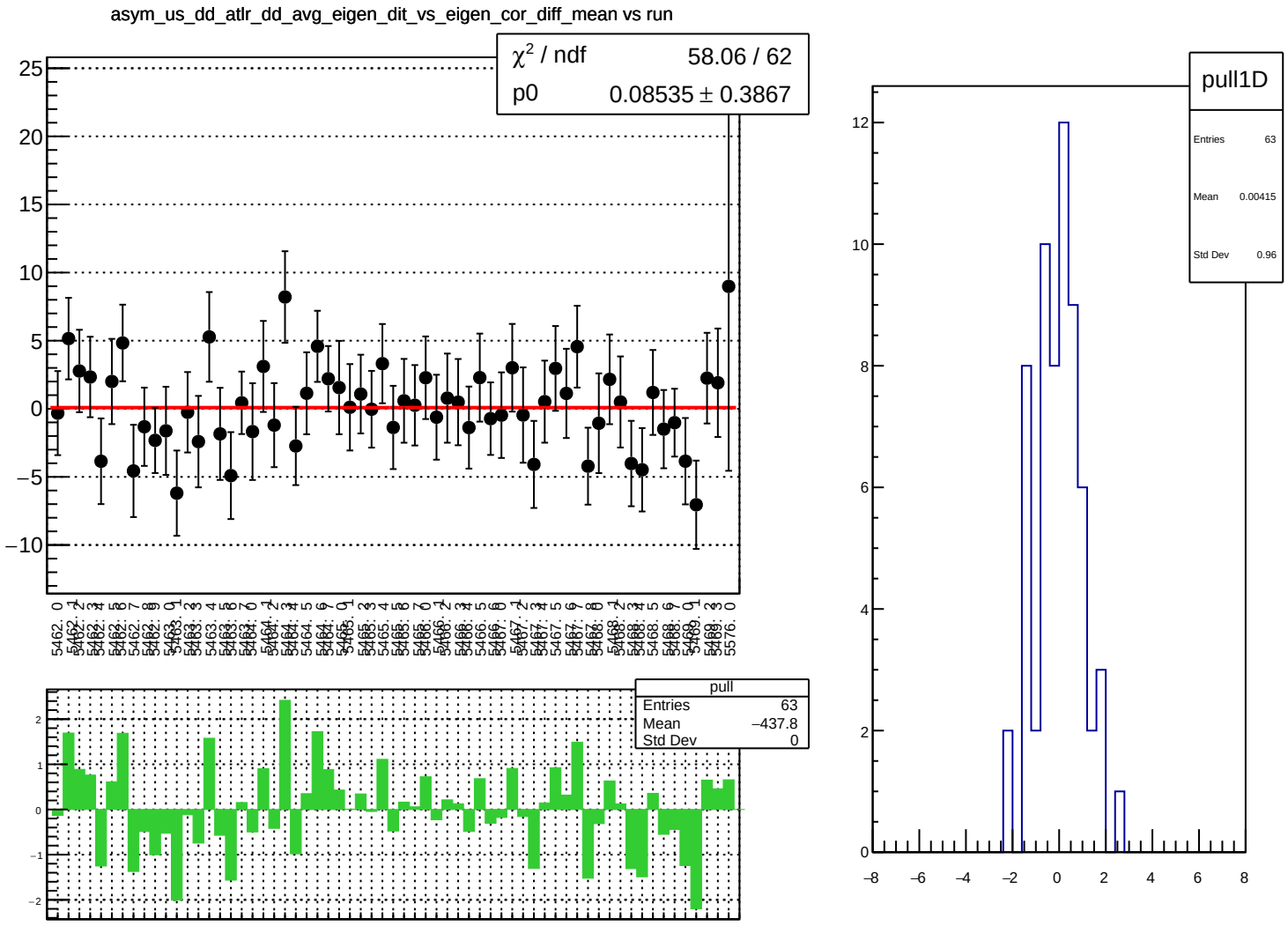

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.23 / 62
p0 4.425e−06 ± 3.814e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean −124.7
Std Dev 0
2
1
0
−1
−2

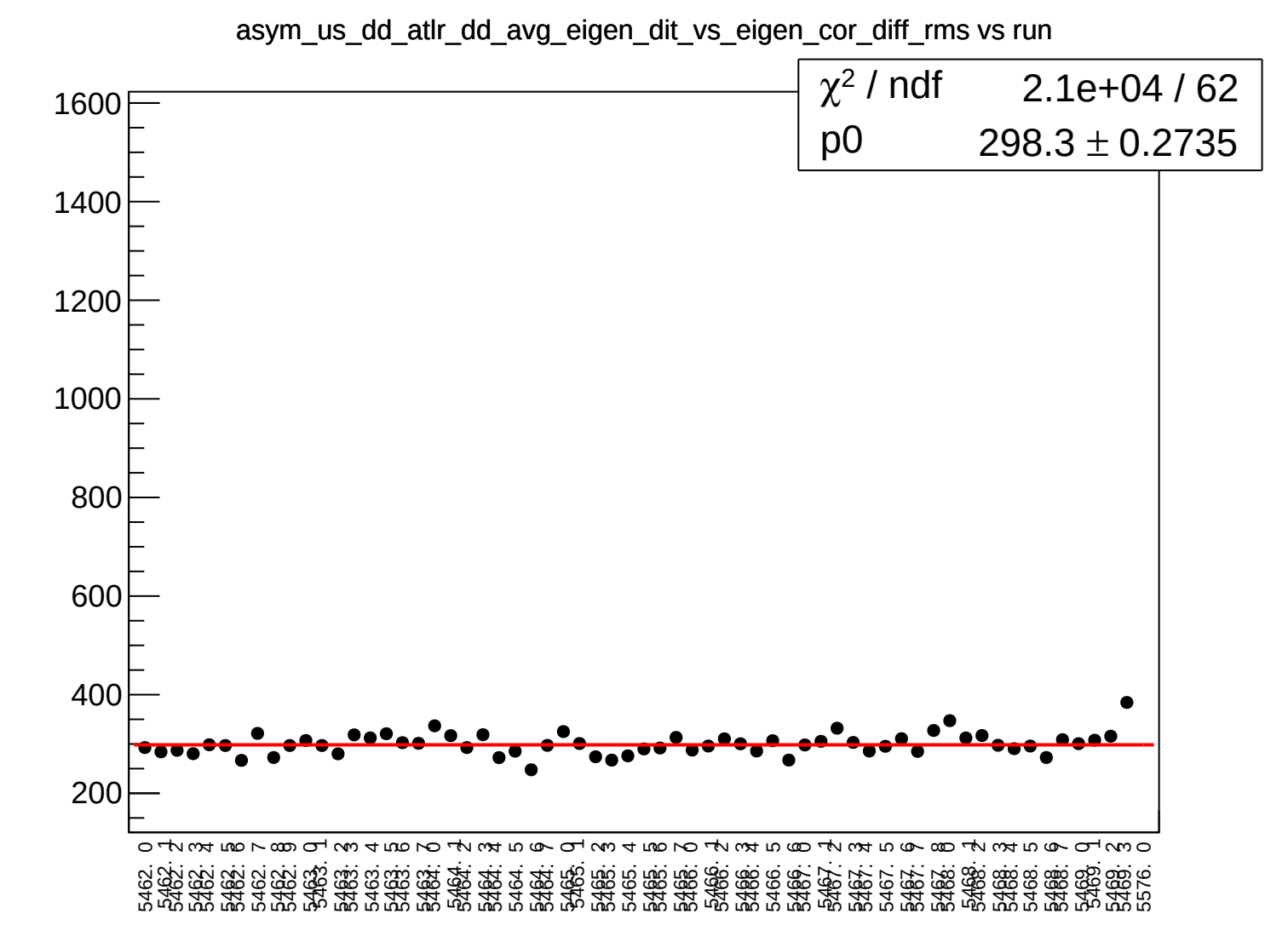

pull1D
Entries 63
Mean 0.01838
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

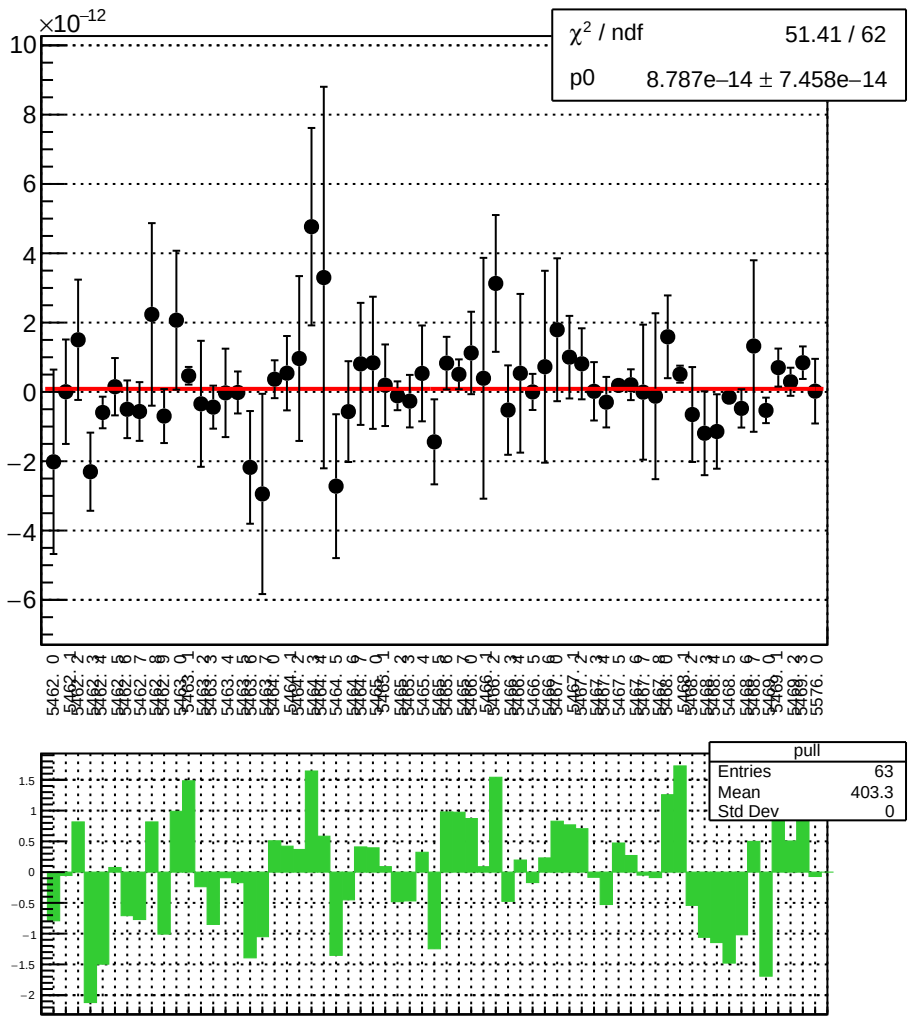

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1306 / 62
p0 0.002966 ± 2.697e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025

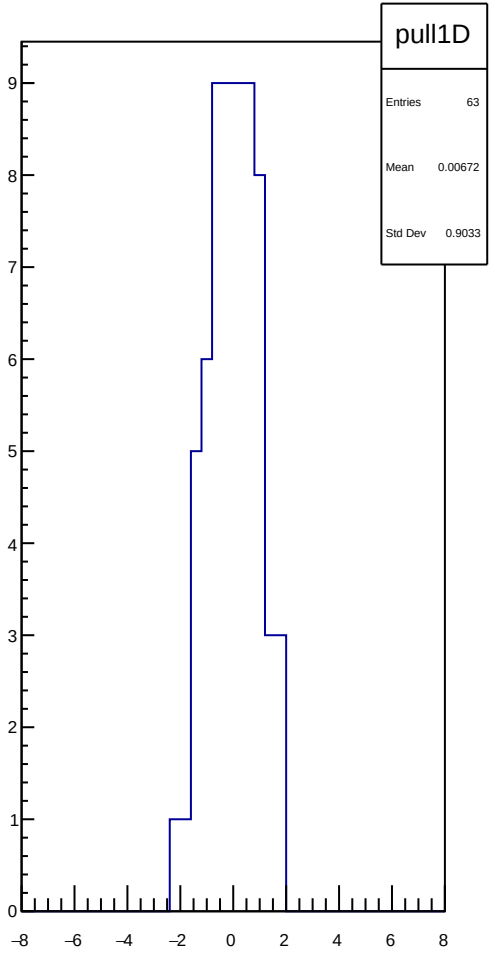

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.06 / 62
p0 0.08535 ± 0.3867
pull
Entries 63
Mean −437.8
Std Dev 0
pull1D
Entries 63
Mean 0.00415
Std Dev 0.96

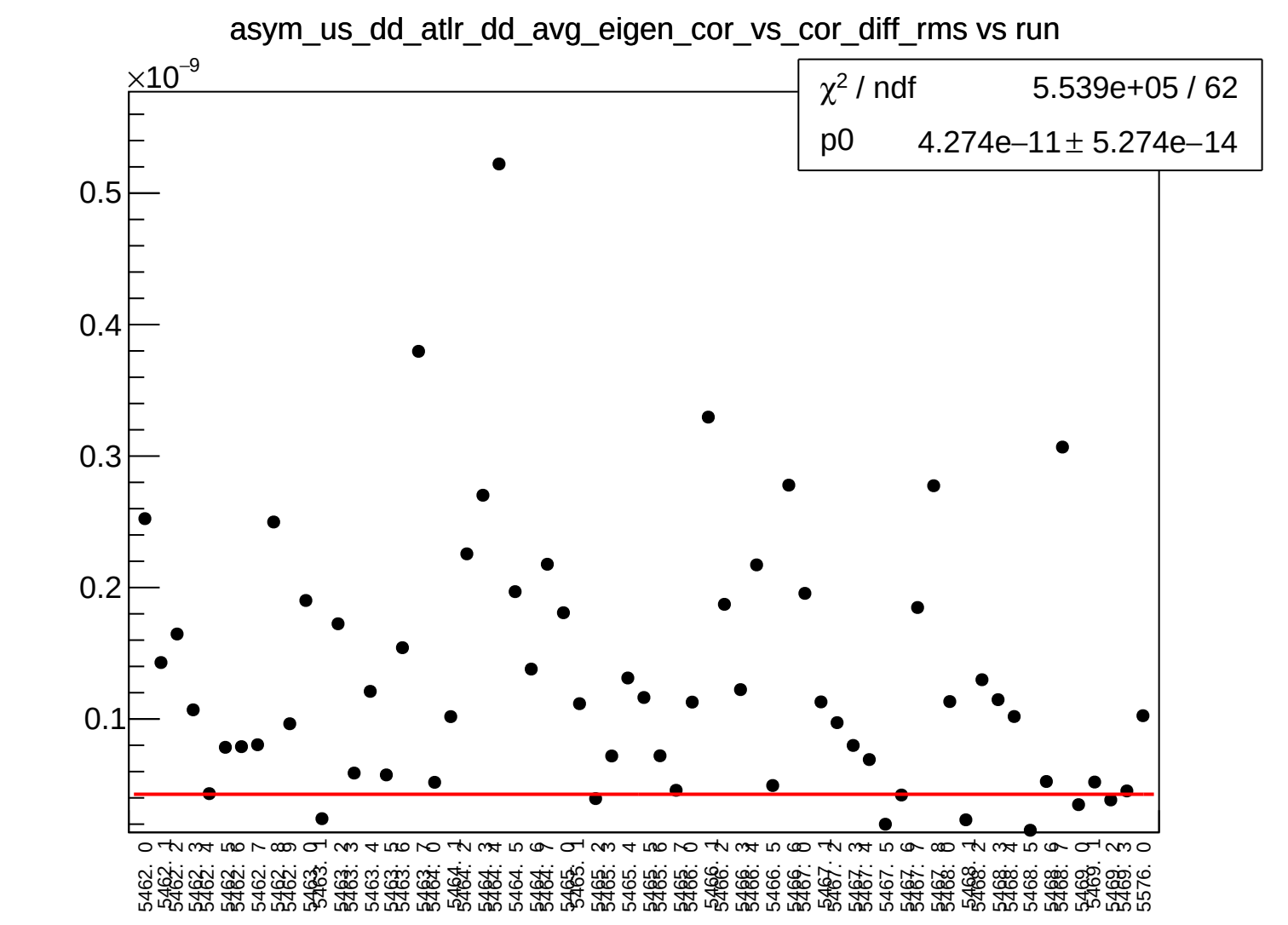

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.1e+04 / 62
p0 298.3 ± 0.2735
1600
1400
1200
1000
800
600
400
200

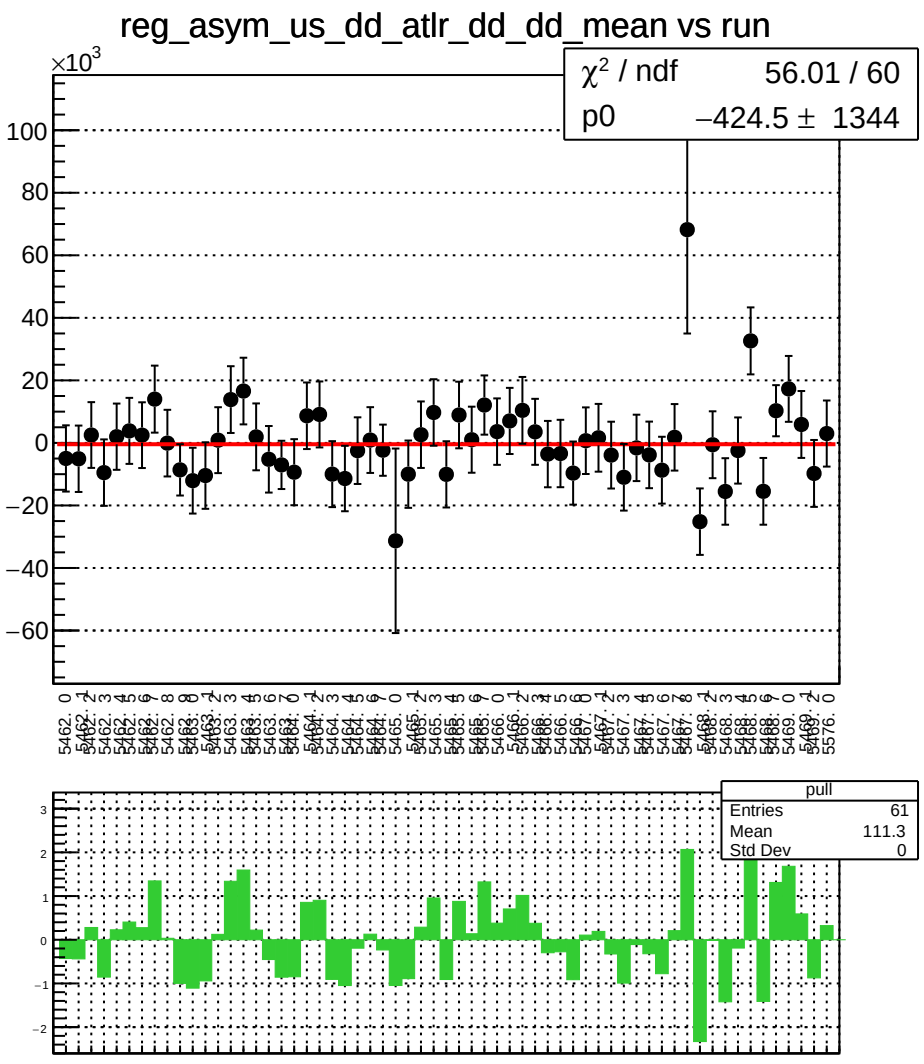

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.06 / 62
p0 0.08535 ± 0.3867
pull
Entries 63
Mean −437.8
Std Dev 0
pull1D
Entries 63
Mean 0.00415
Std Dev 0.96

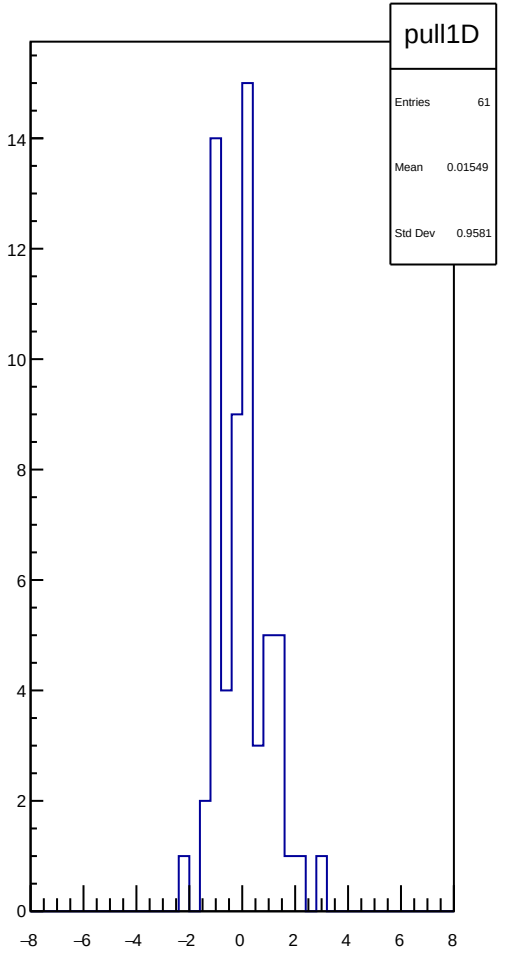

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.1e+04 / 62
p0 298.3 ± 0.2735
1600
1400
1200
1000
800
600
400
200

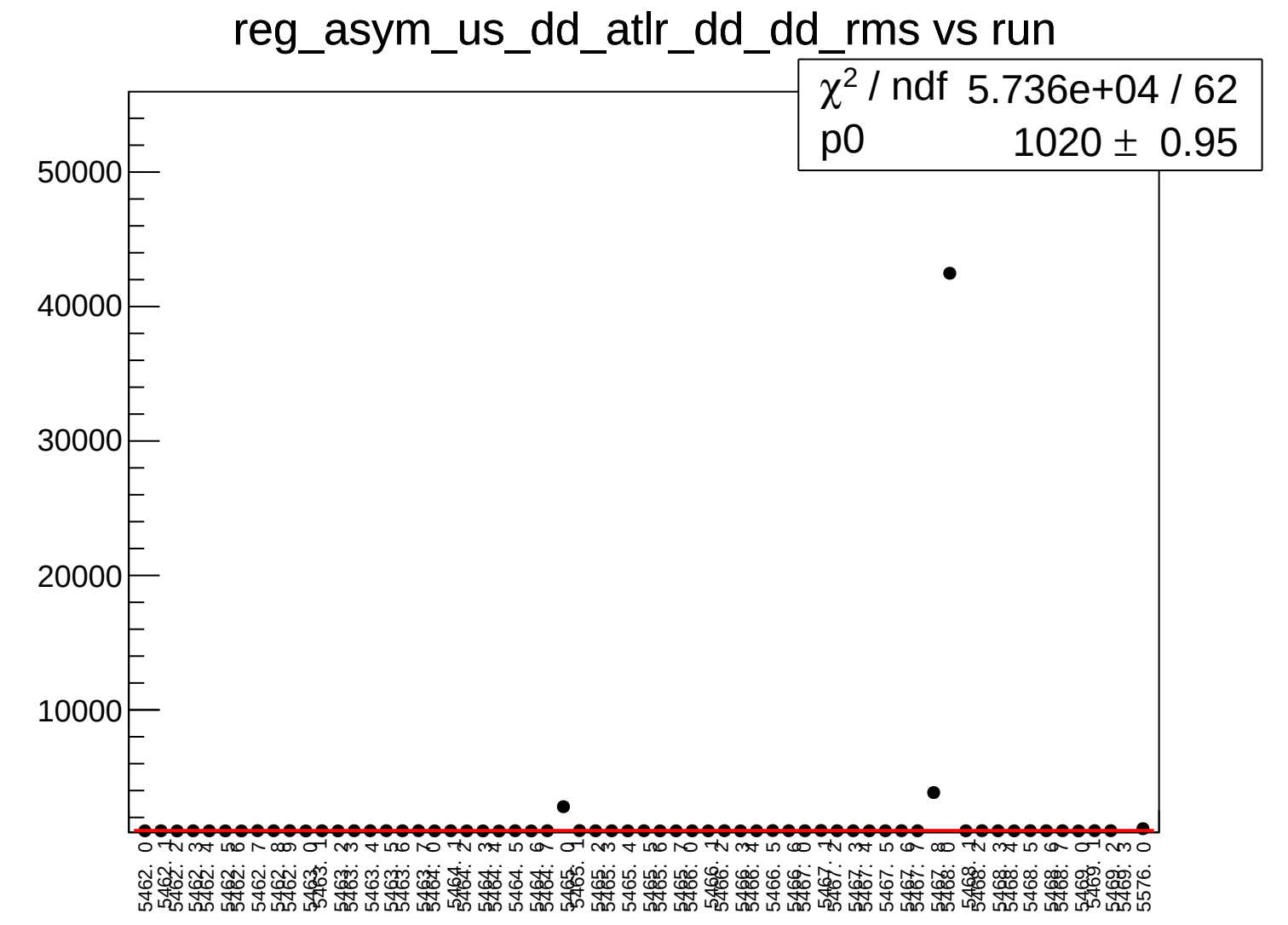

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.41 / 62
p0 8.787e−14 ± 7.458e−14
pull
Entries 63
Mean 403.3
Std Dev 0

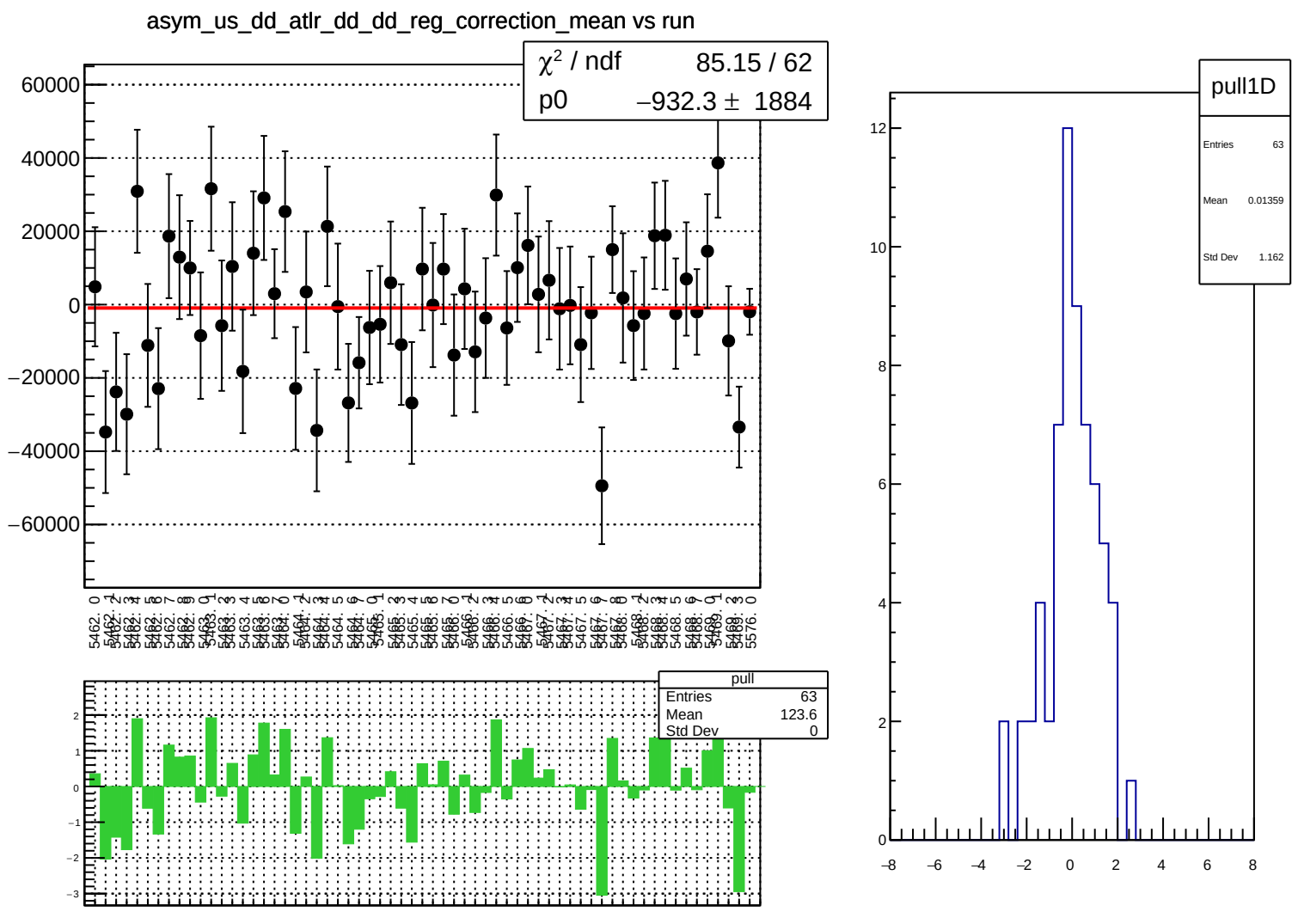

pull1D
Entries 63
Mean 0.00672
Std Dev 0.9033

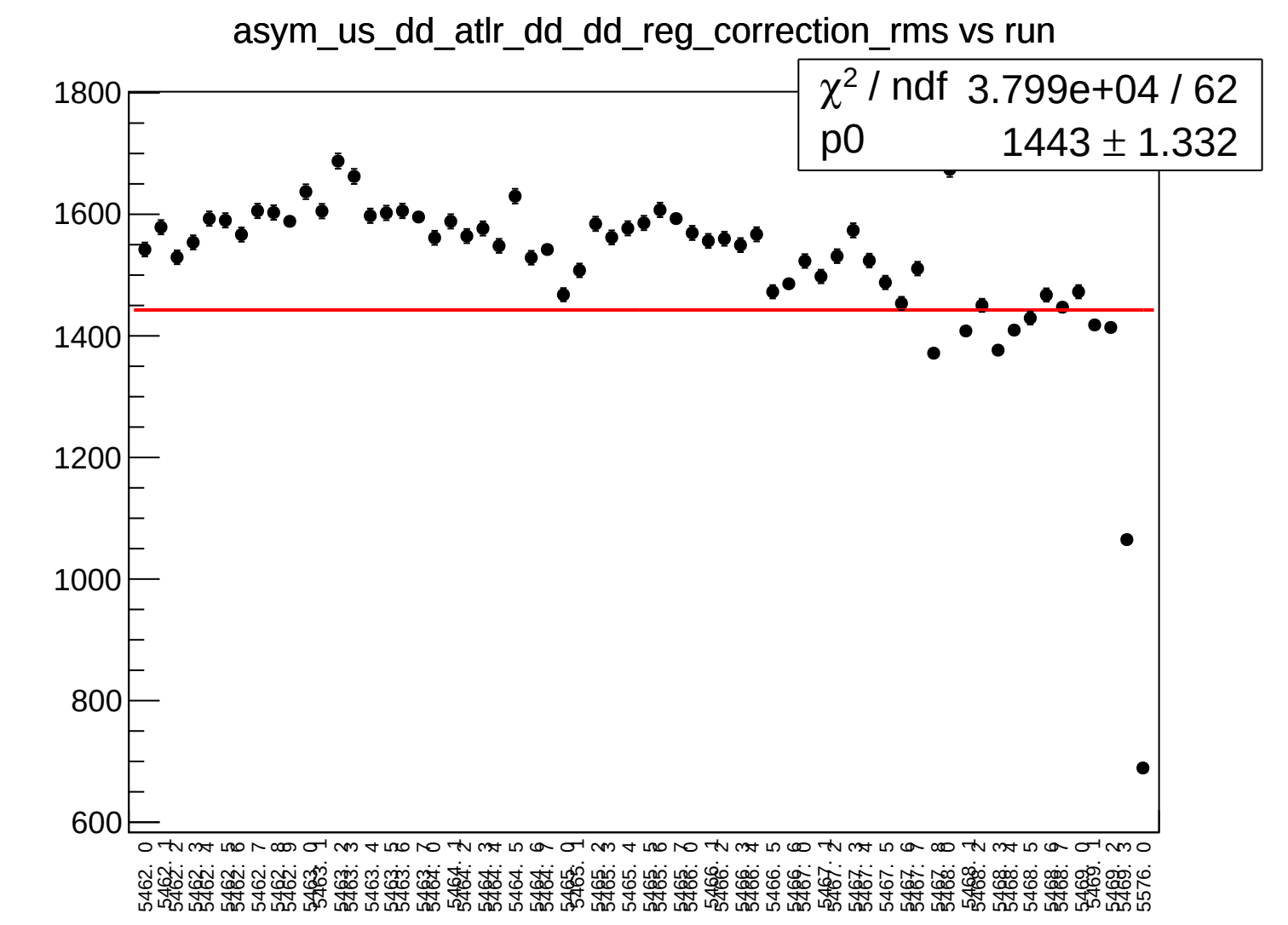

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.539e+05 / 62
p0 4.274e−11 ± 5.274e−14
0.5
0.4
0.3
0.2
0.1

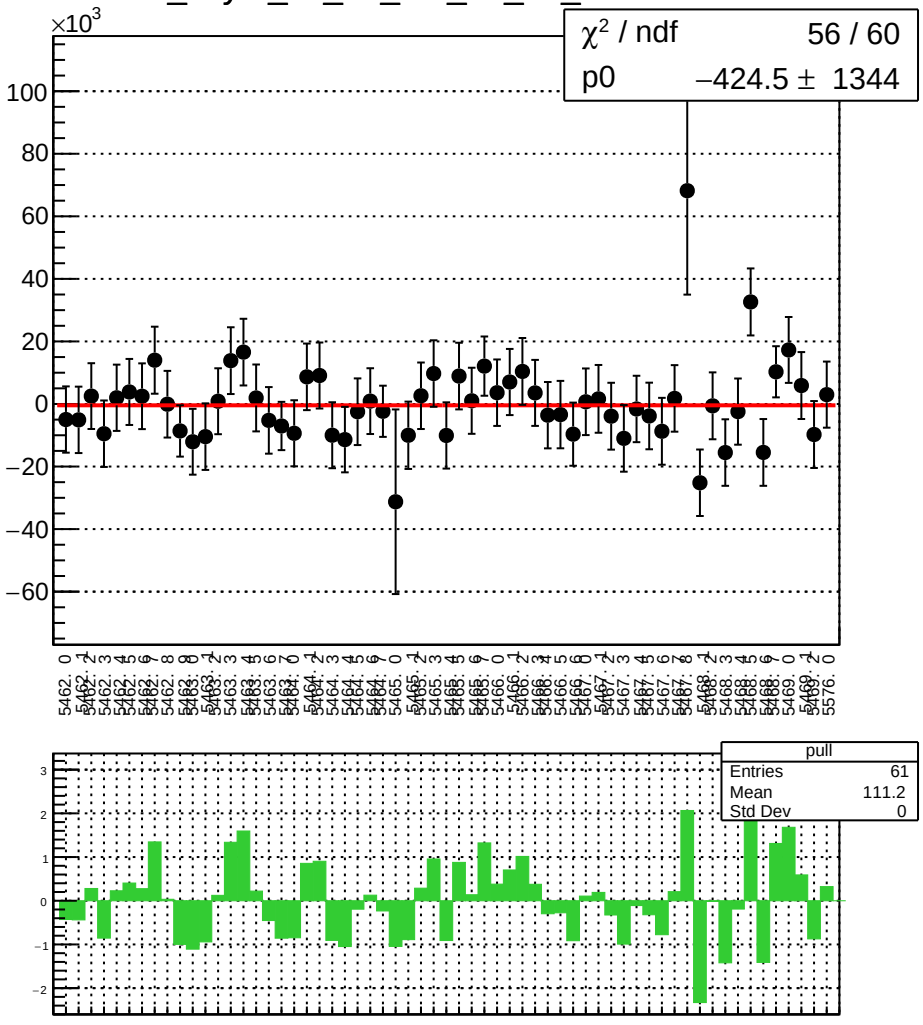

reg_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 56.01 / 60
p0 −424.5 ± 1344
pull
Entries 61
Mean 111.3
Std Dev 0

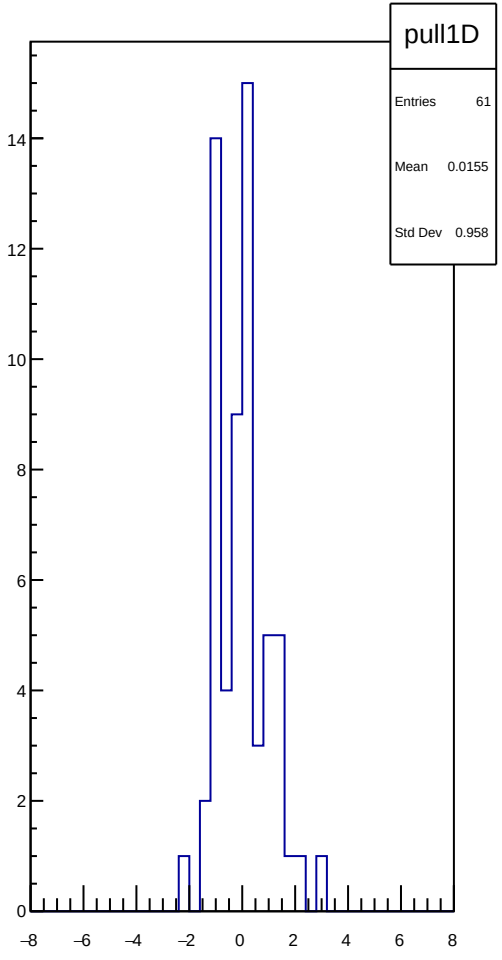

pull1D
Entries 61
Mean 0.01549
Std Dev 0.9581

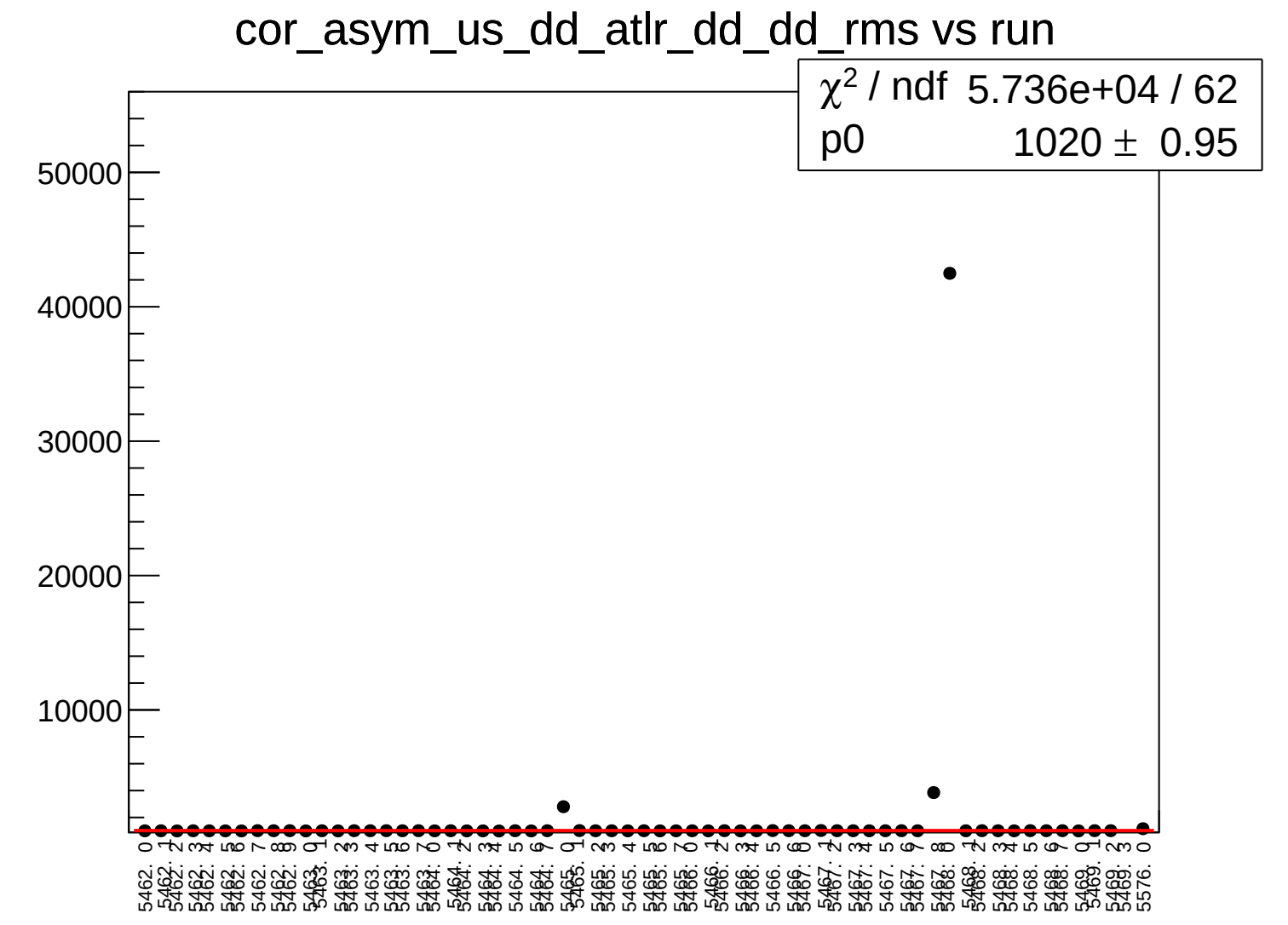

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 5.736e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000

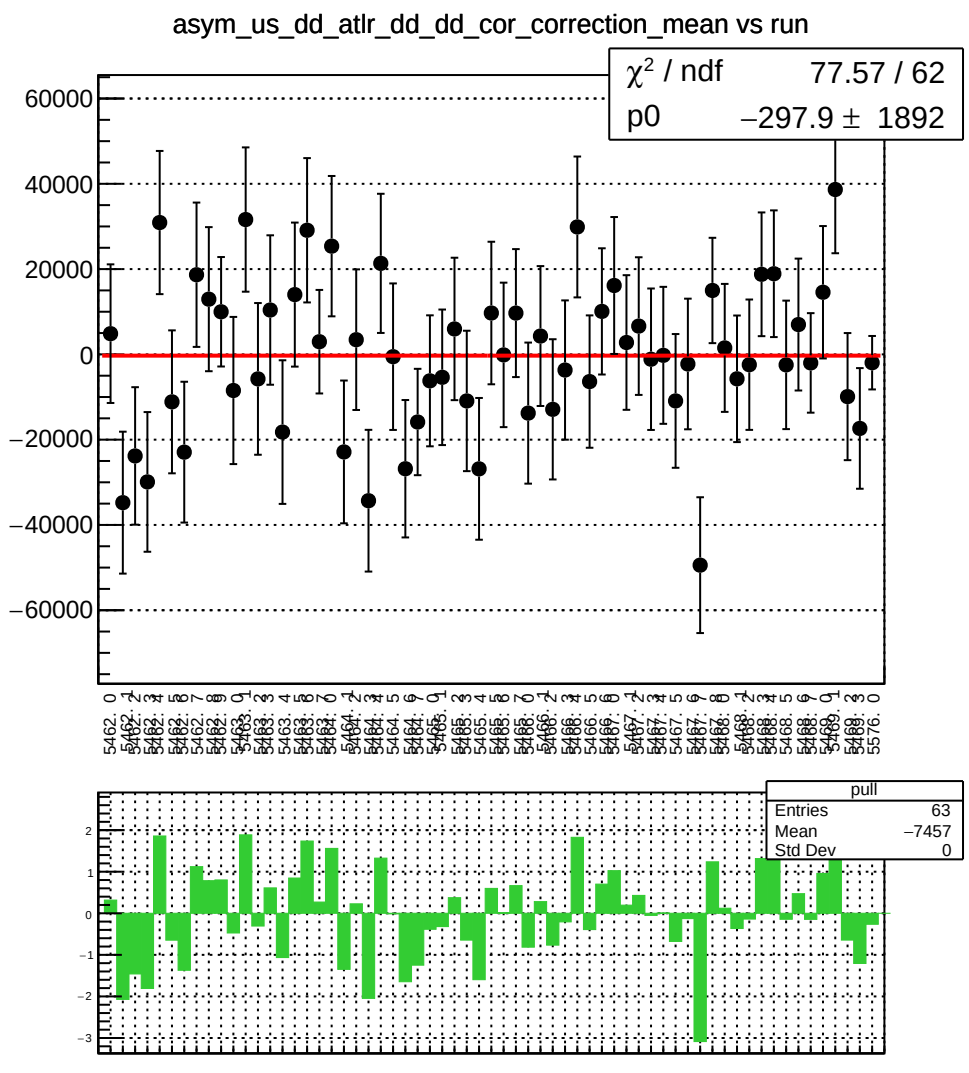

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 85.15 / 62
p0 −932.3 ± 1884
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 123.6
Std Dev 0
pull1D
Entries 63
Mean 0.01359
Std Dev 1.162
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

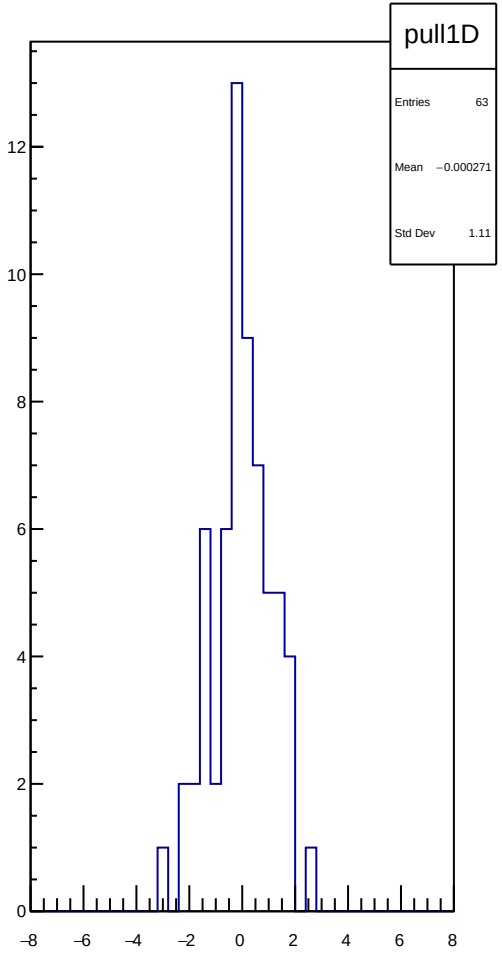

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3.799e+04 / 62
p0 1443 ± 1.332
1800
1600
1400
1200
1000
800
600

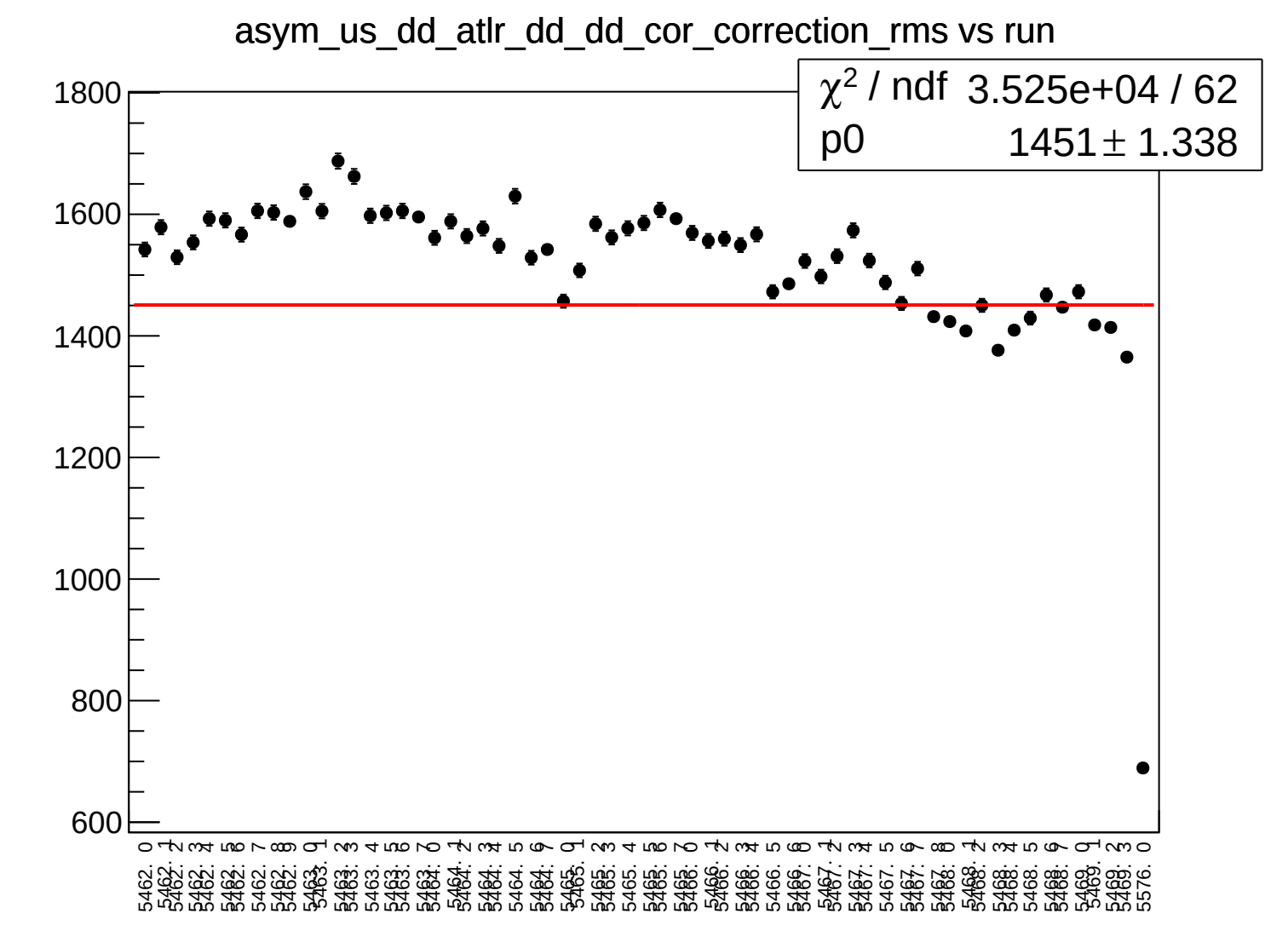

cor_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 56 / 60
p0 −424.5 ± 1344
pull
Entries 61
Mean 111.2
Std Dev 0

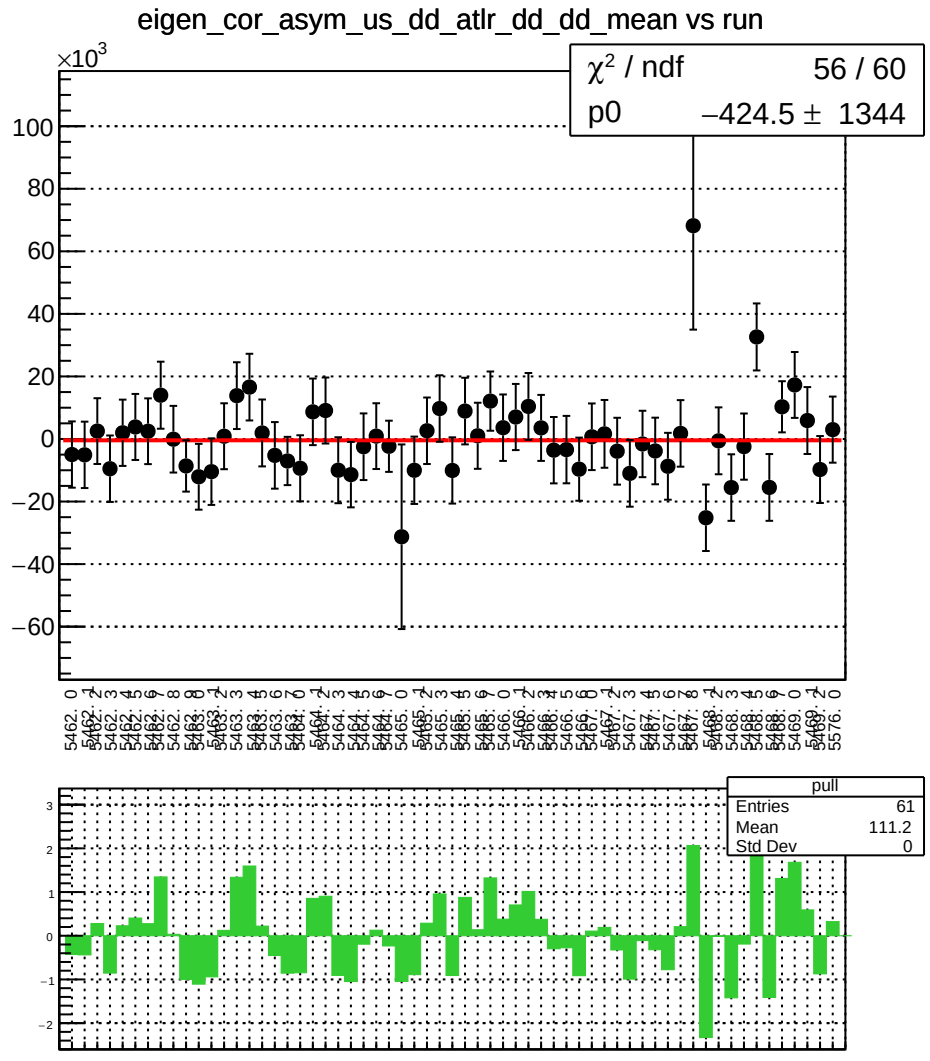

pull1D
Entries 61
Mean 0.0155
Std Dev 0.958

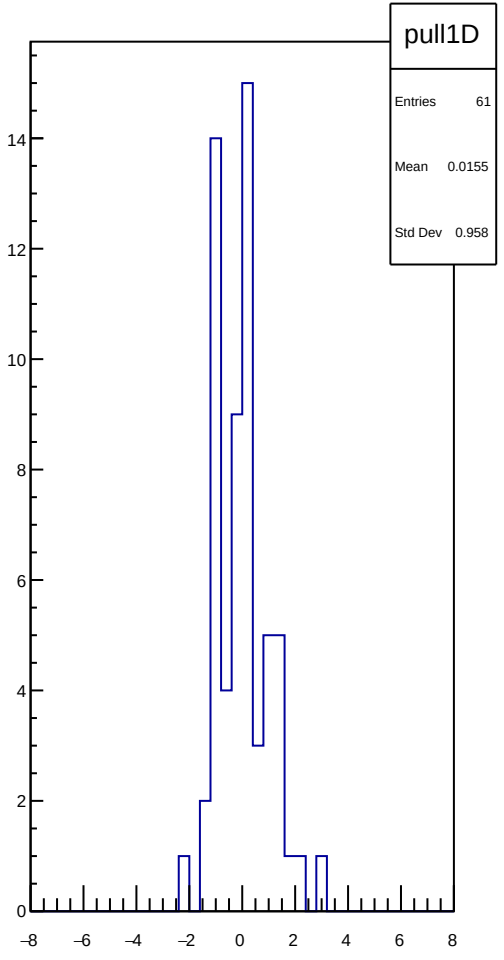

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 5.736e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000

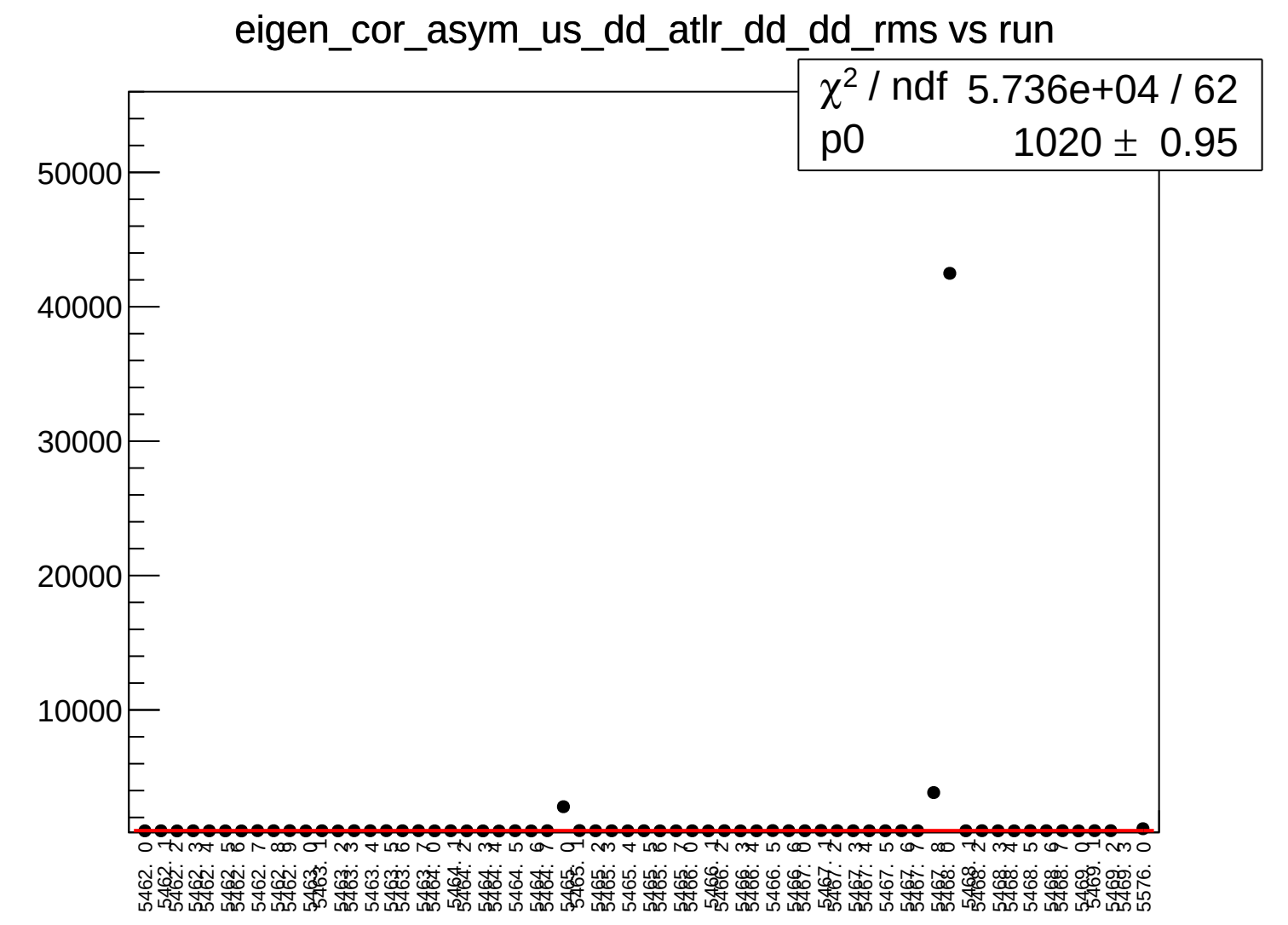

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 77.57 / 62
p0 −297.9 ± 1892
pull
Entries 63
Mean −7457
Std Dev 0

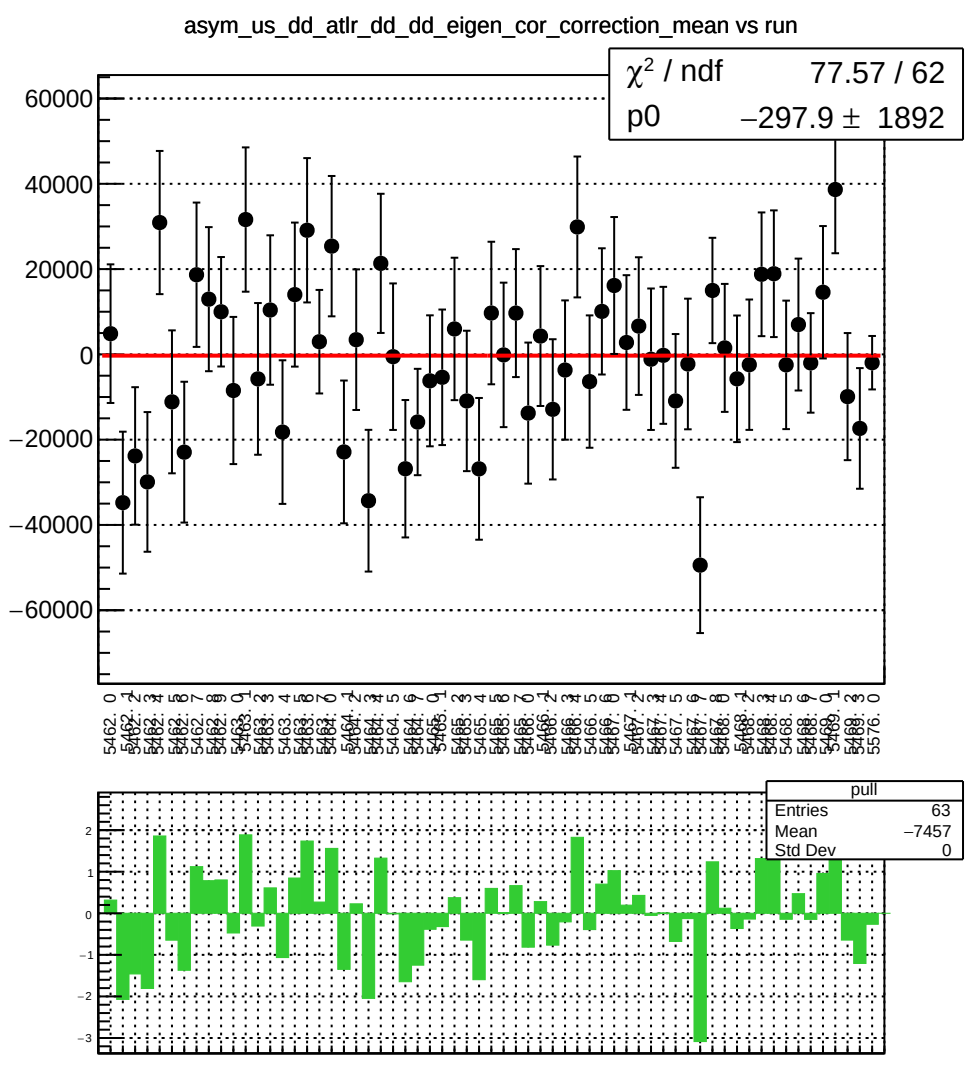

pull1D
Entries 63
Mean −0.000271
Std Dev 1.11

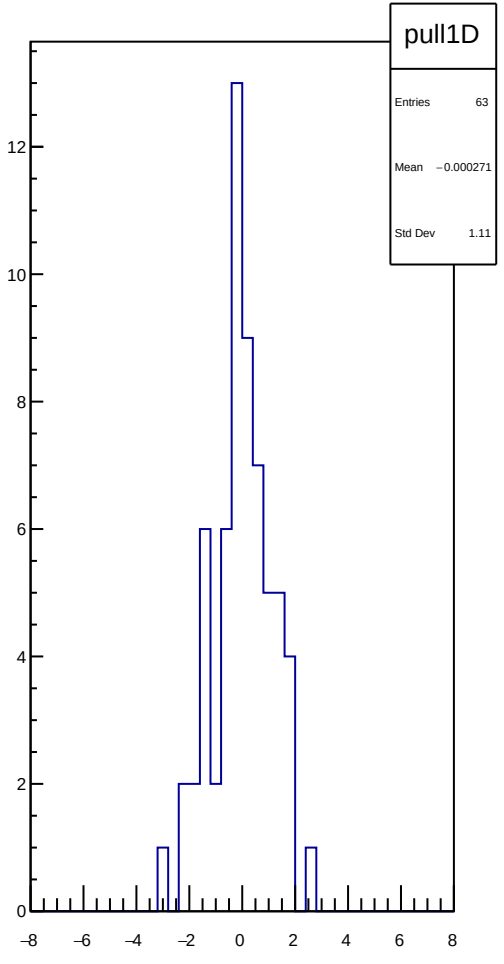

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3.525e+04 / 62
p0 1451 ± 1.338
1800
1600
1400
1200
1000
800
600

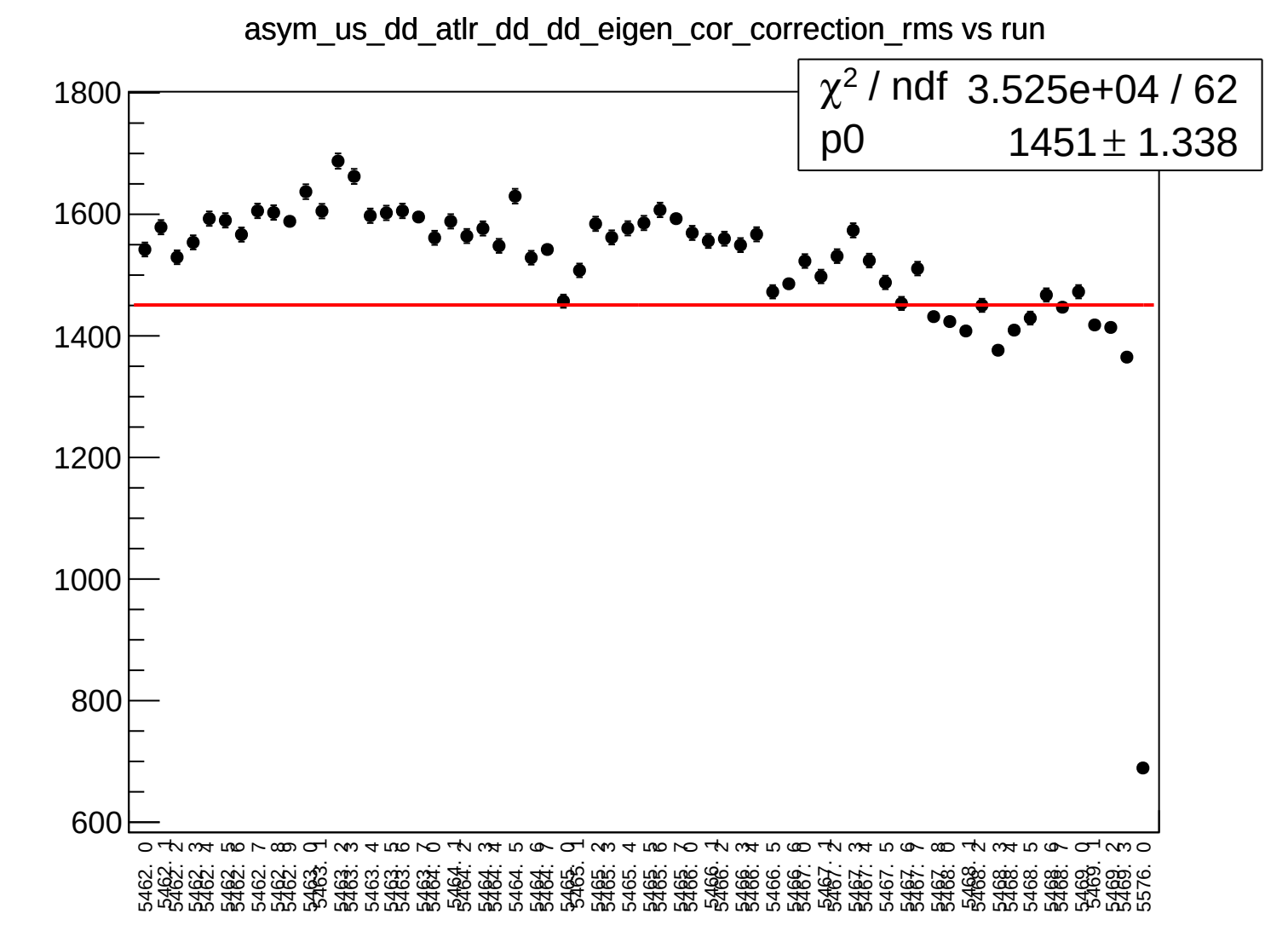

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 56 / 60
p0 −424.5 ± 1344
pull
Entries 61
Mean 111.2
Std Dev 0

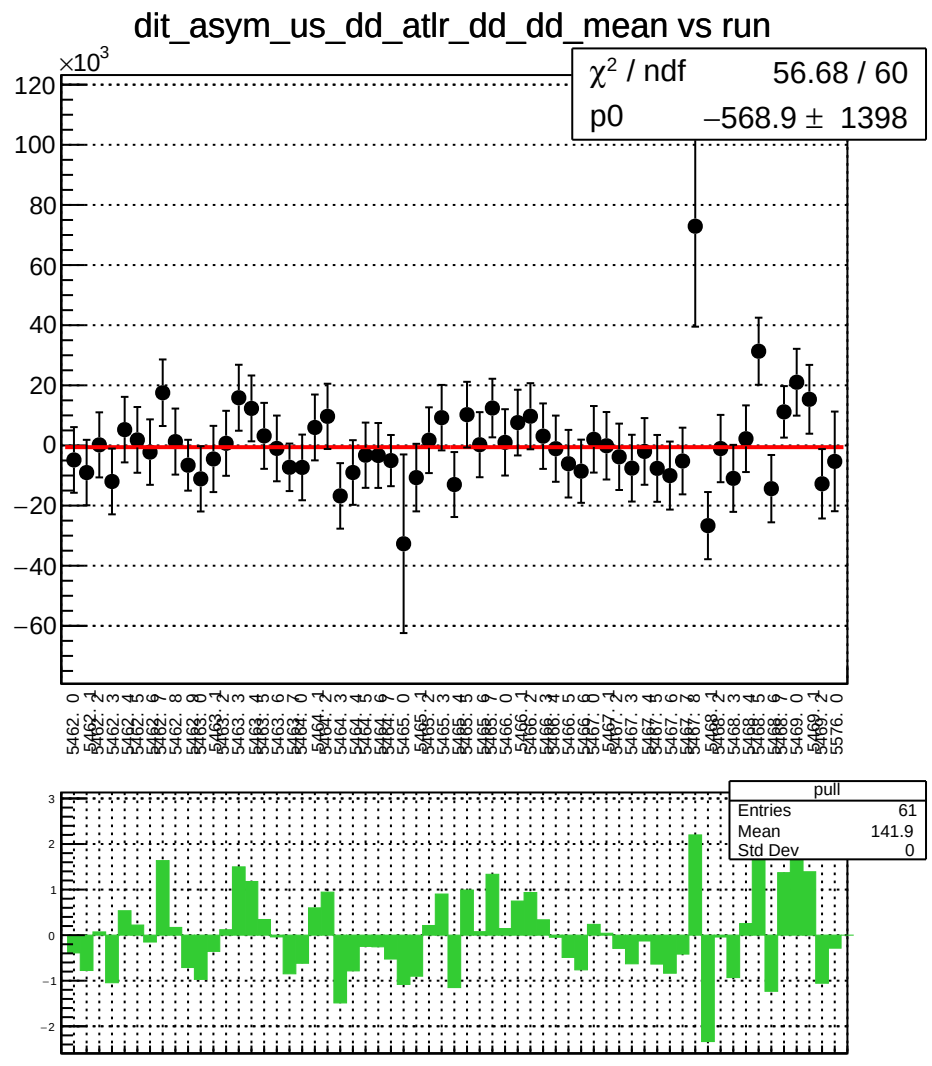

pull1D
Entries 61
Mean 0.0155
Std Dev 0.958

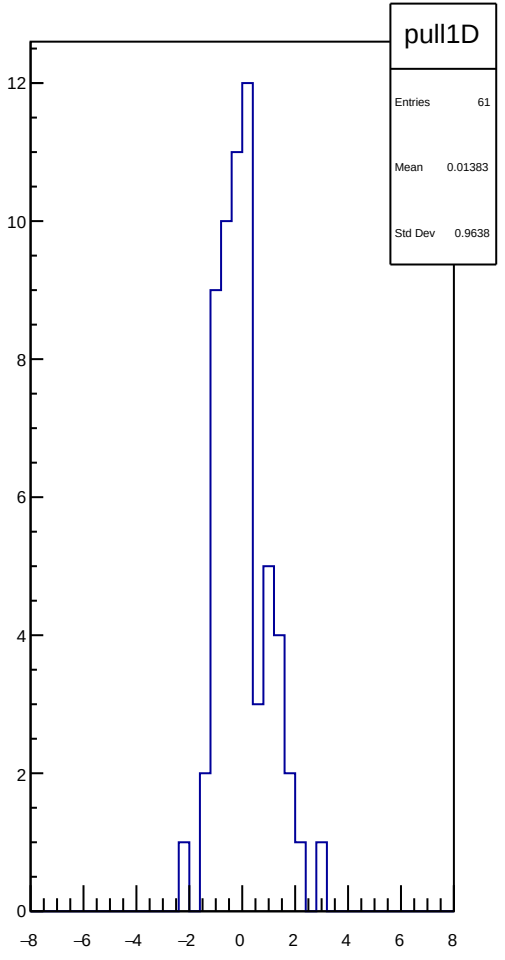

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 5.736e+04 / 62
p0 1020 ± 0.95
50000
40000
30000
20000
10000
5462. 0
5576. 0

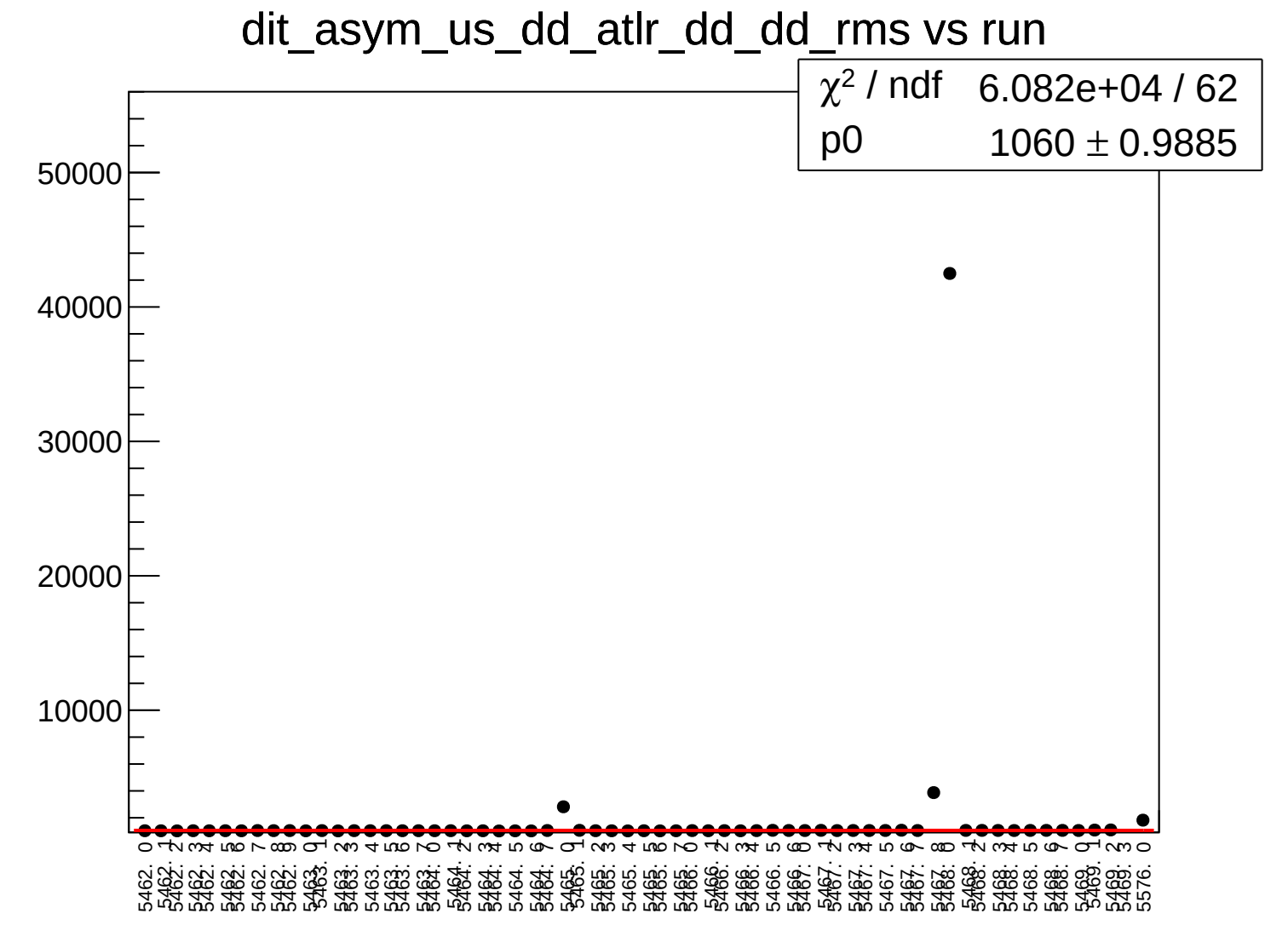

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.57 / 62
p0 −297.9 ± 1892
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean −7457
Std Dev 0
2
1
0
−1
−2
−3

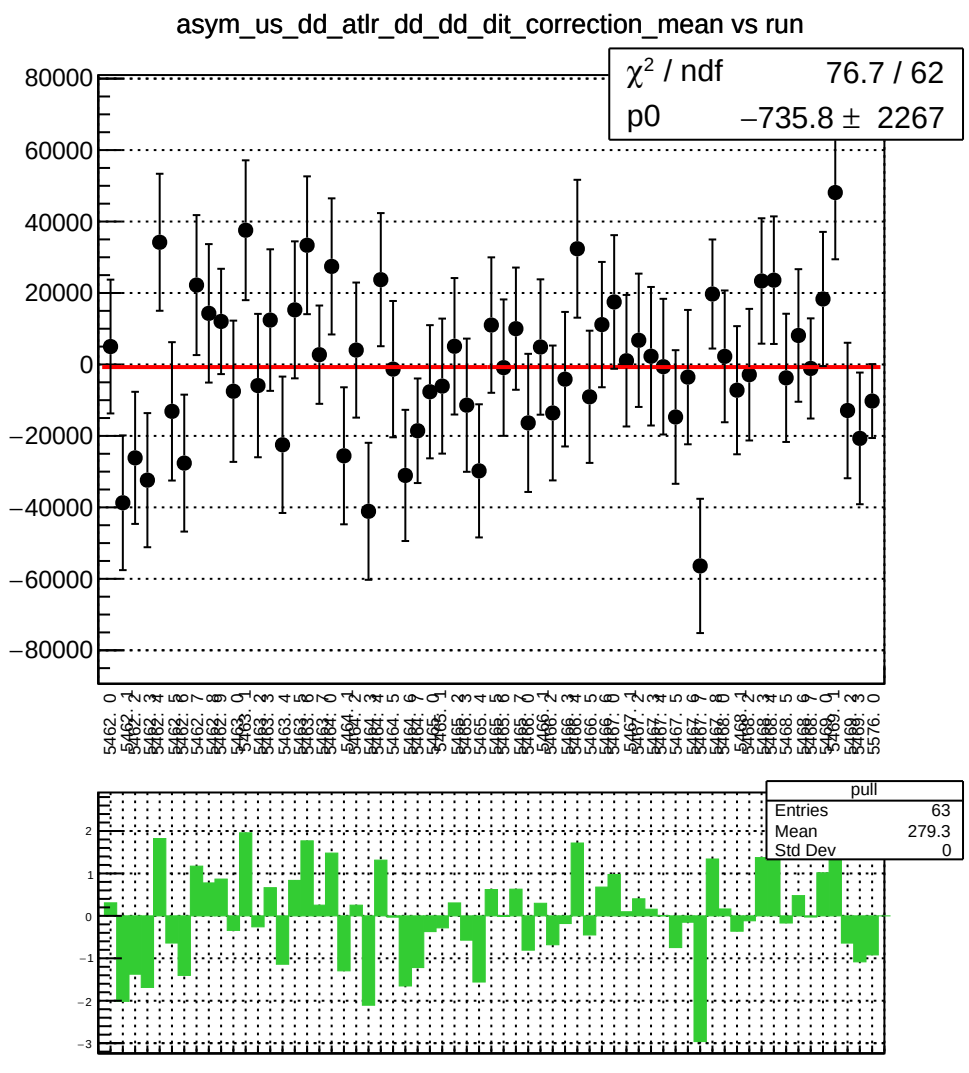

pull1D
Entries 63
Mean −0.000271
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

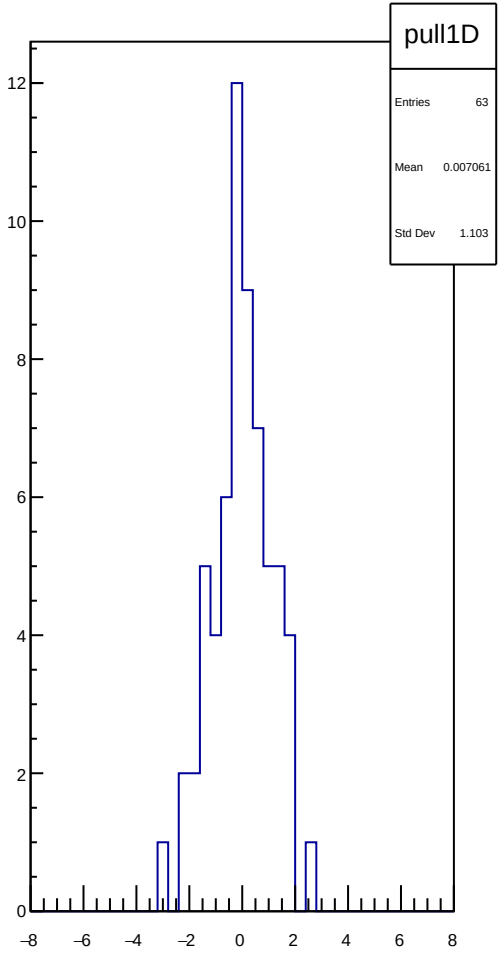

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 3.525e+04 / 62
p0 1451 ± 1.338
1800
1600
1400
1200
1000
800
600

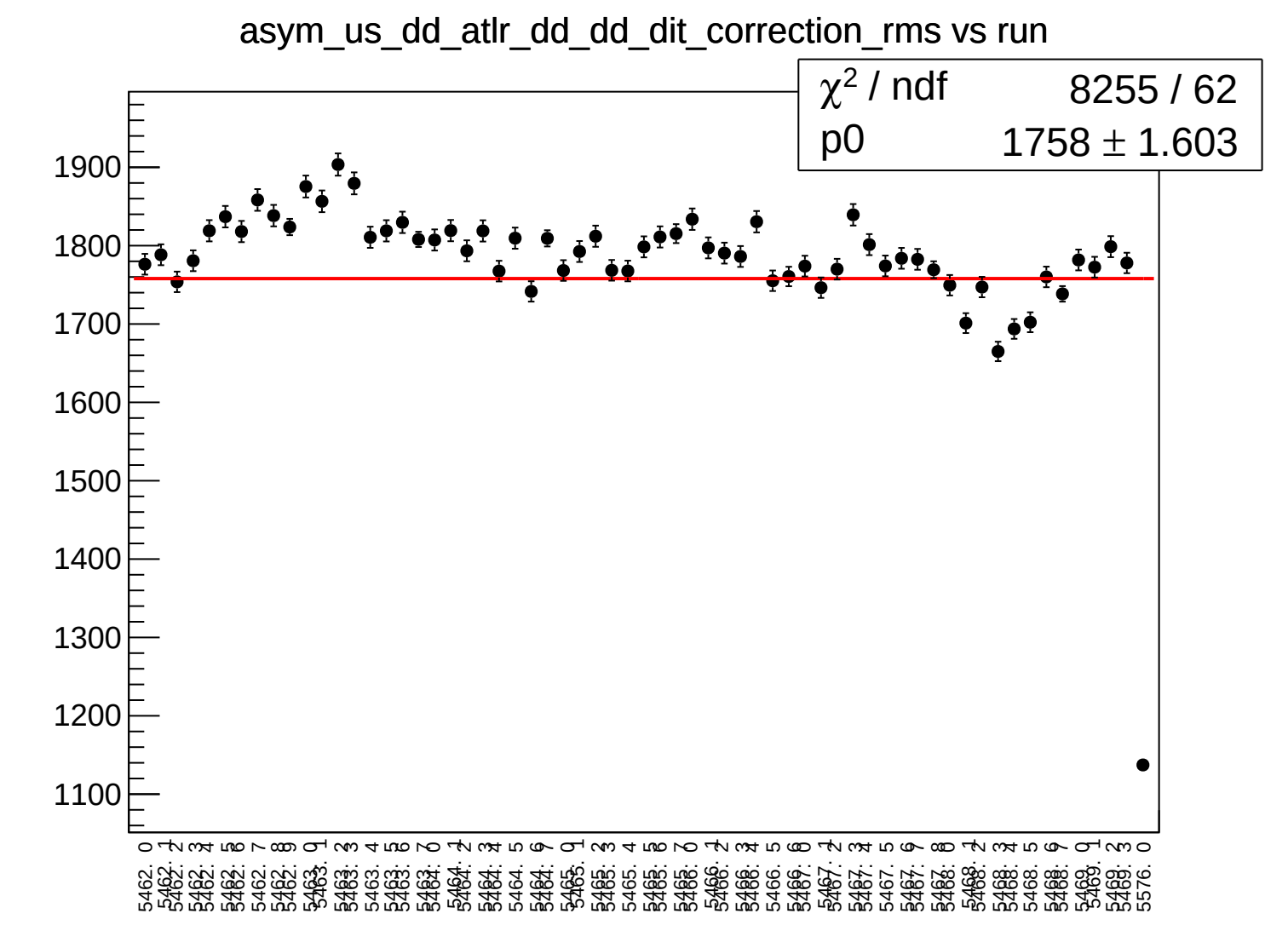

dit_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 56.68 / 60
p0 −568.9 ± 1398
pull
Entries 61
Mean 141.9
Std Dev 0

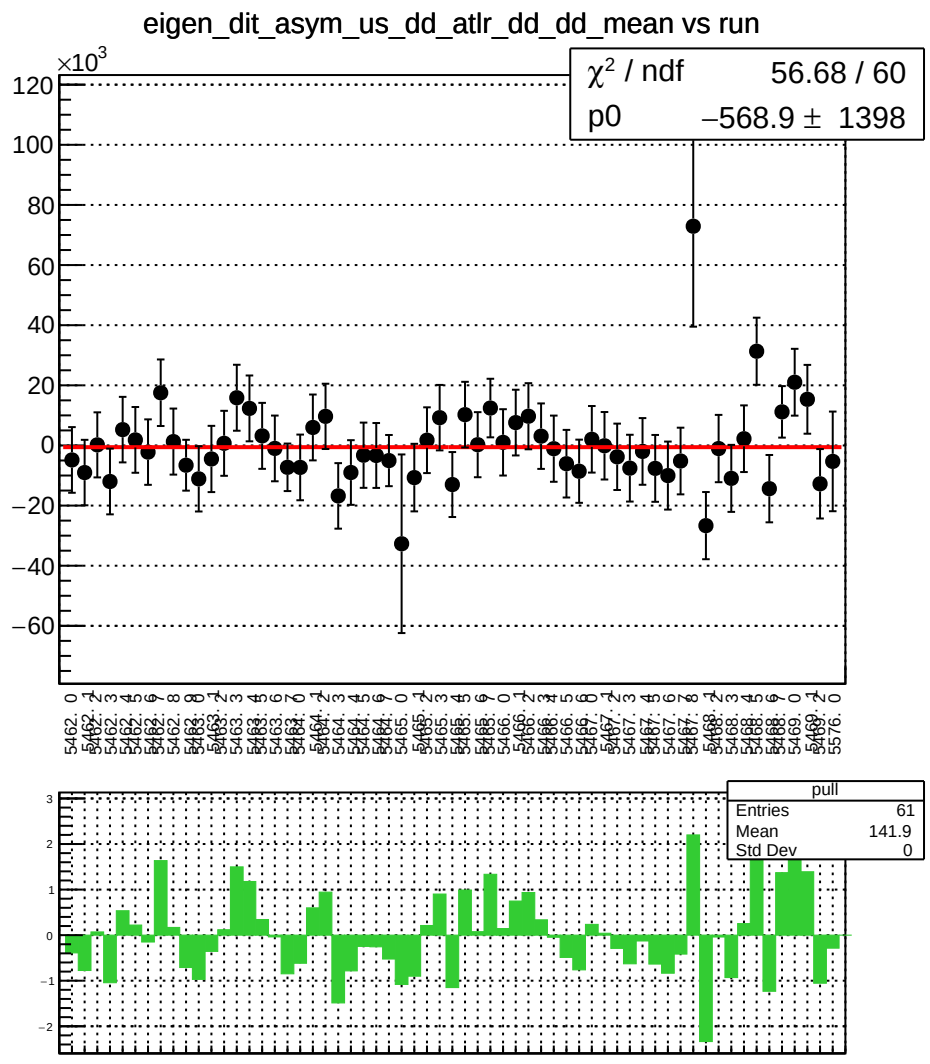

pull1D
Entries 61
Mean 0.01383
Std Dev 0.9638

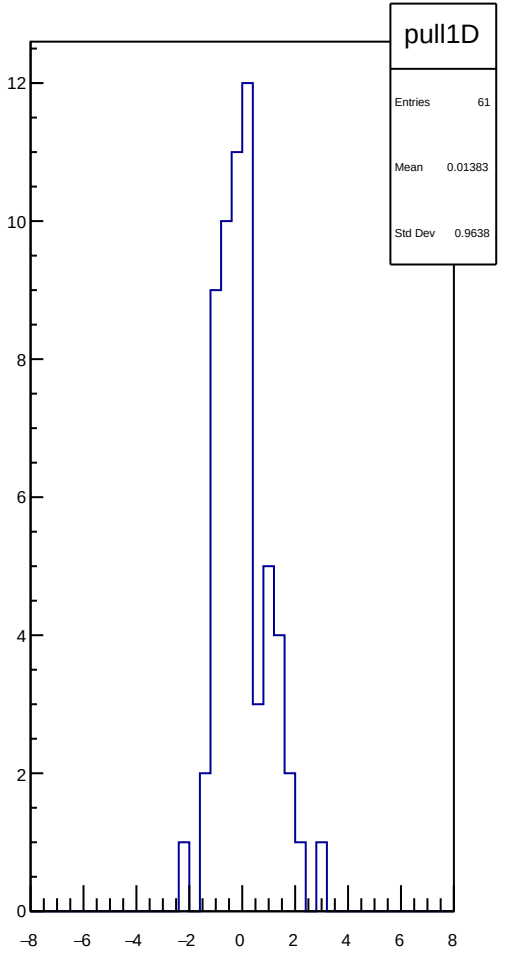

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 6.082e+04 / 62
p0 1060 ± 0.9885
50000
40000
30000
20000
10000
5462. 0
5576. 0

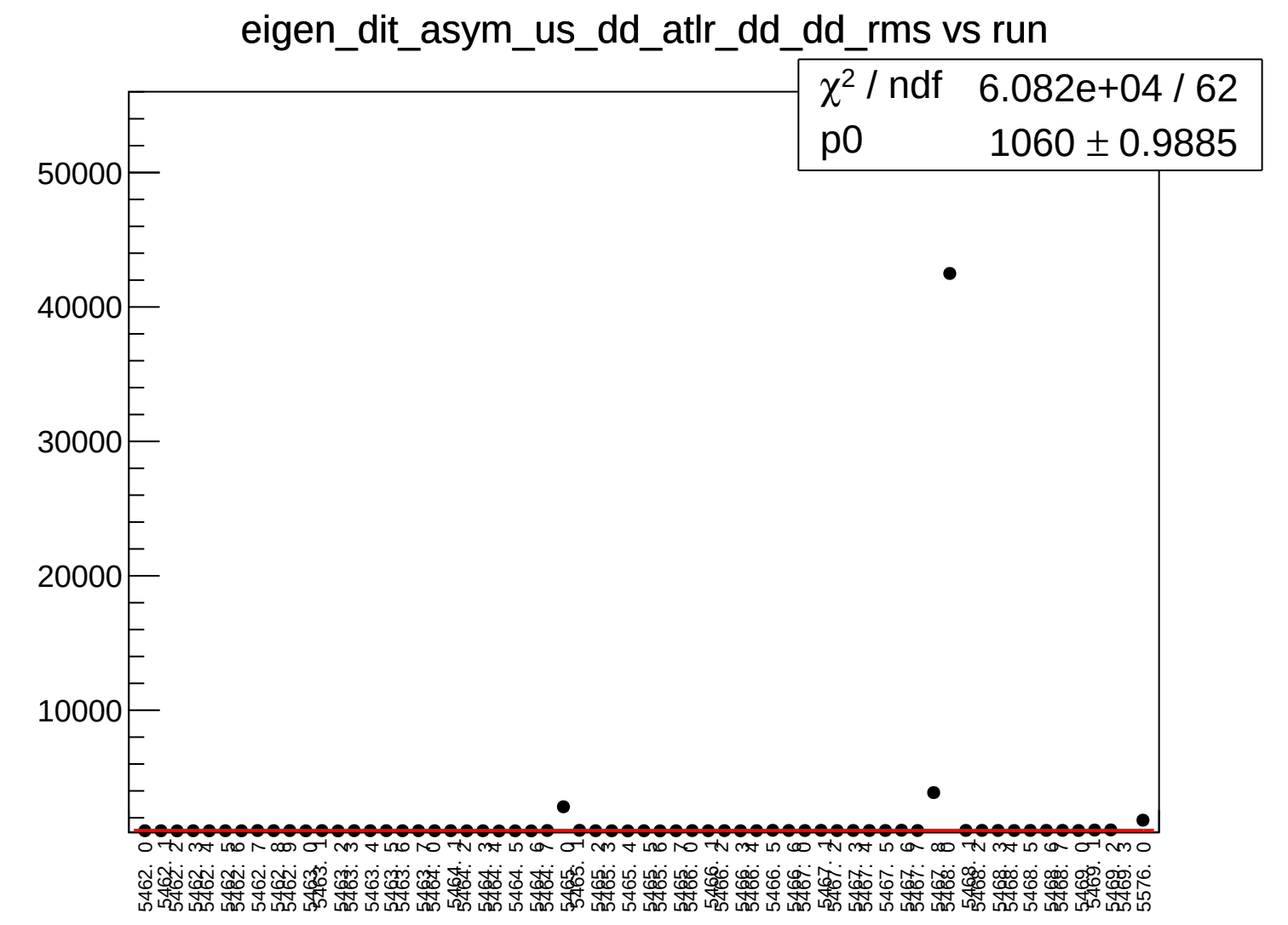

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 76.7 / 62
p0 −735.8 ± 2267
pull
Entries 63
Mean 279.3
Std Dev 0

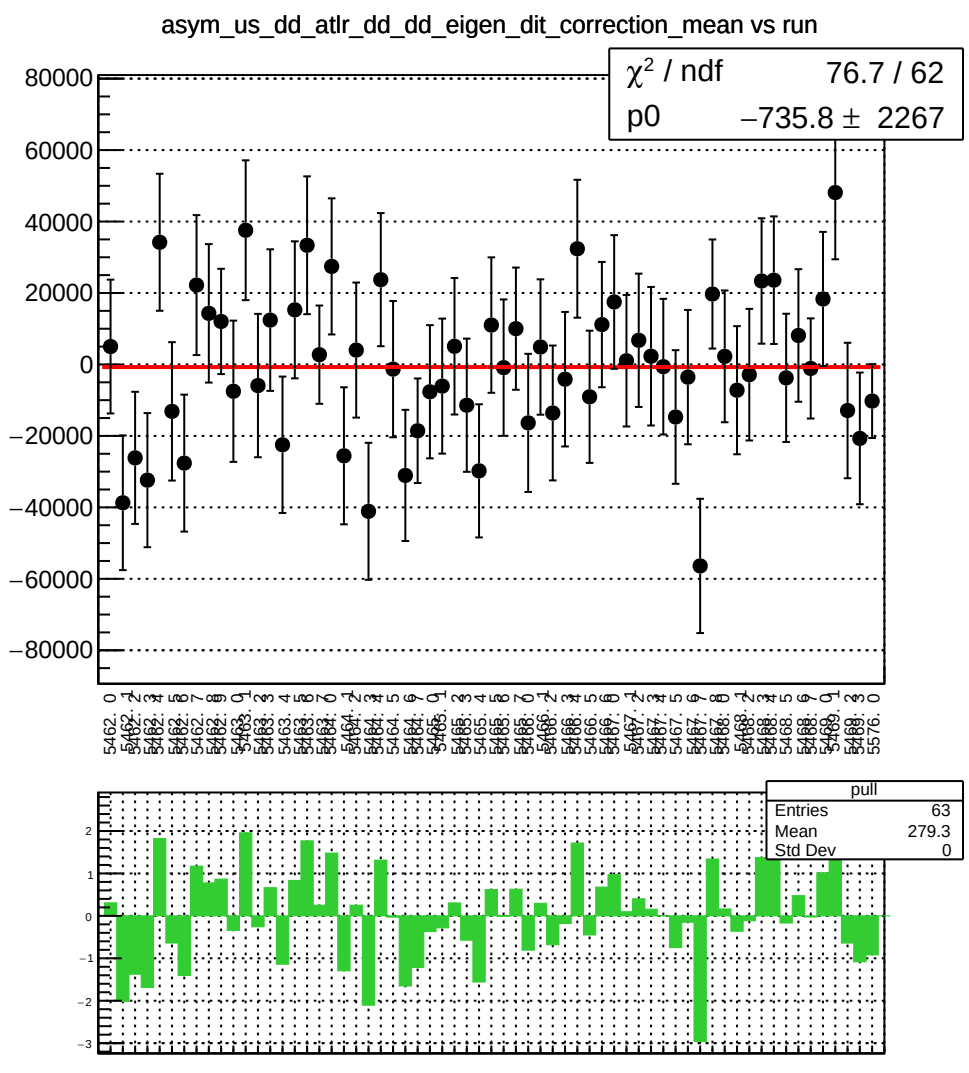

pull1D
Entries 63
Mean 0.007061
Std Dev 1.103

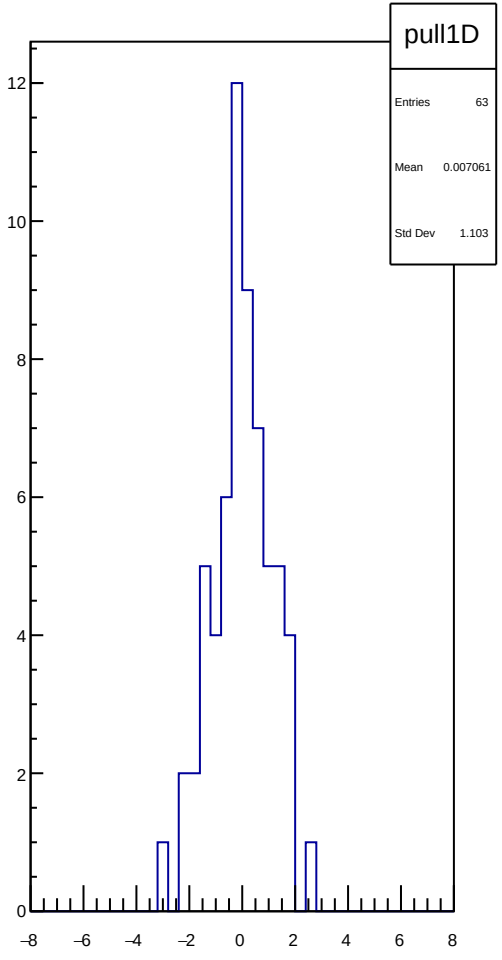

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 8255 / 62
p0 1758 ± 1.603
1900
1800
1700
1600
1500
1400
1300
1200
1100

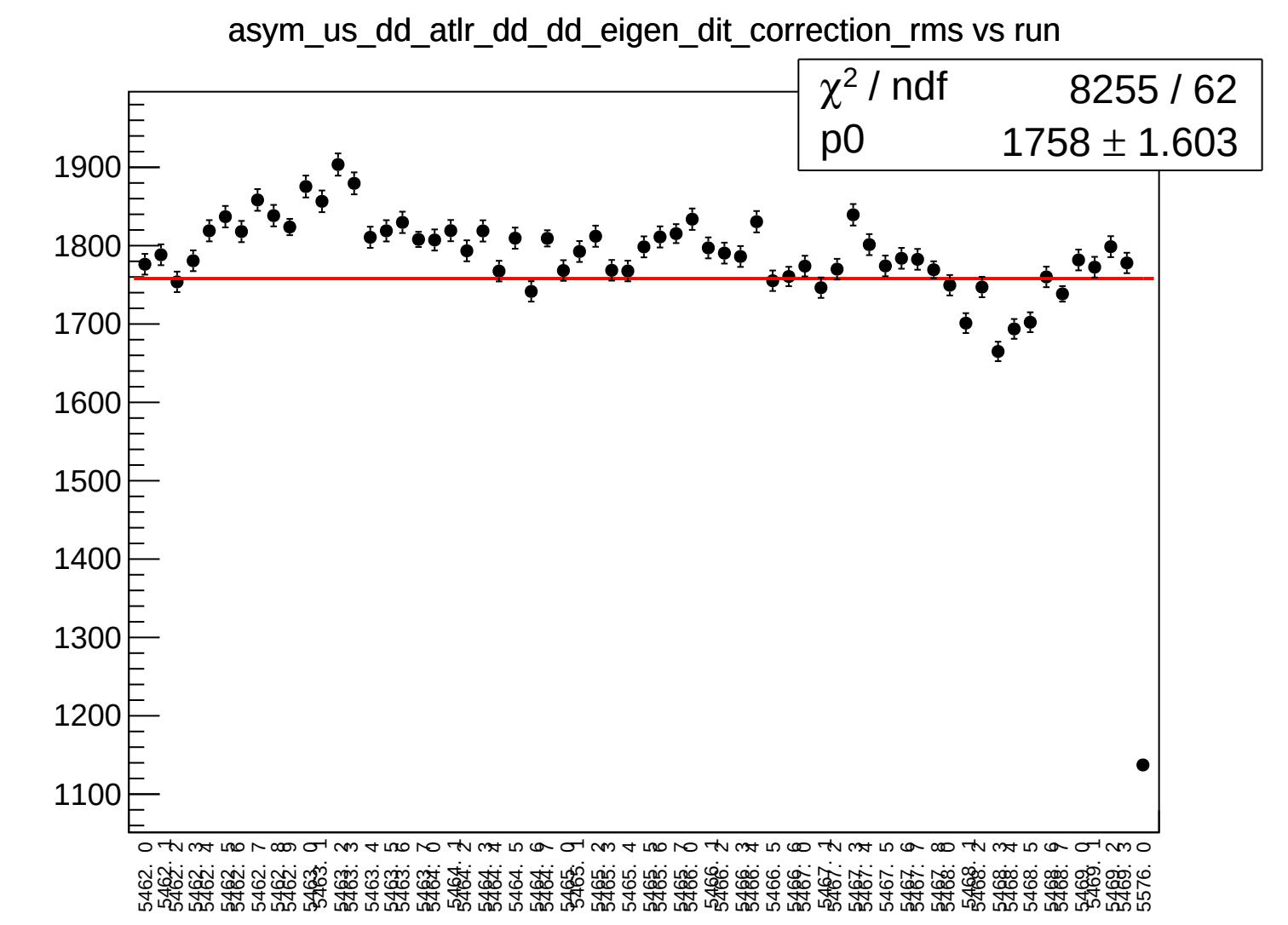

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 56.68 / 60
p0 −568.9 ± 1398
pull
Entries 61
Mean 141.9
Std Dev 0

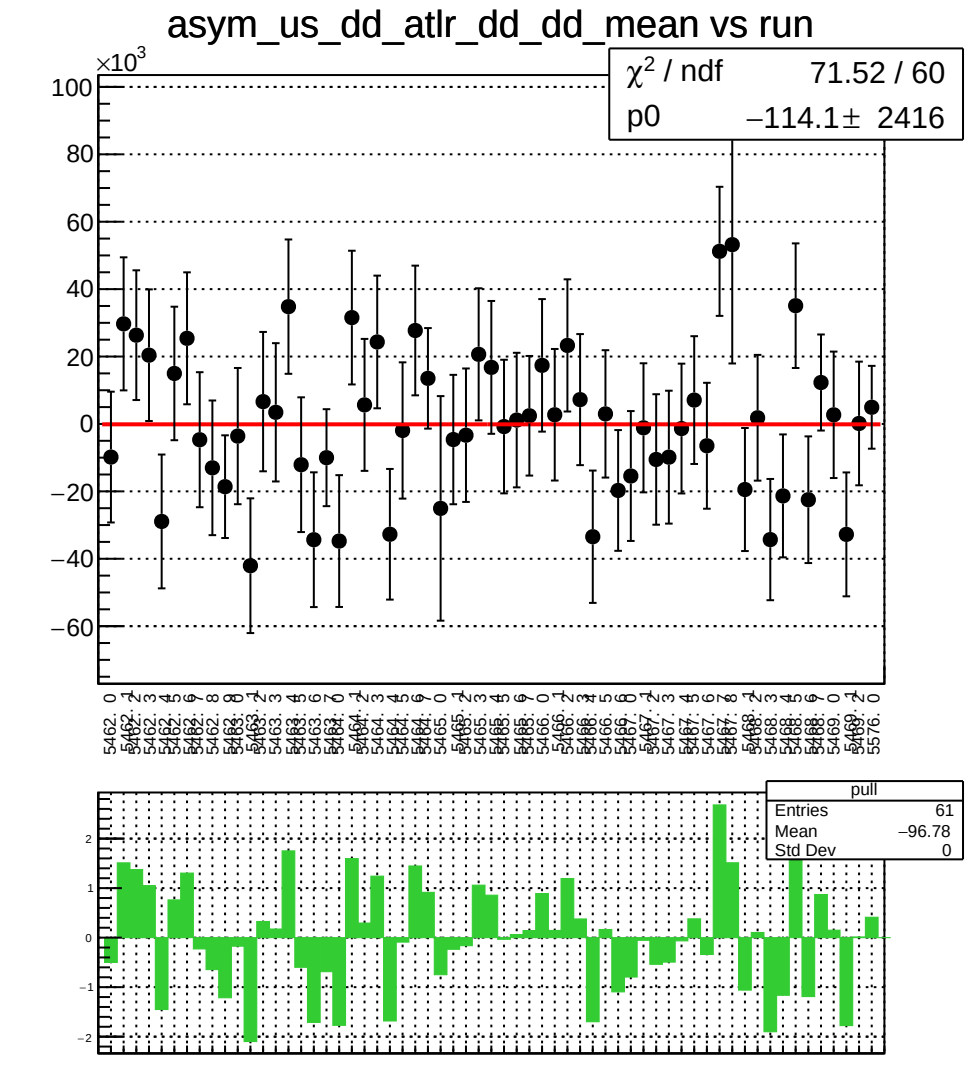

pull1D
Entries 61
Mean 0.01383
Std Dev 0.9638

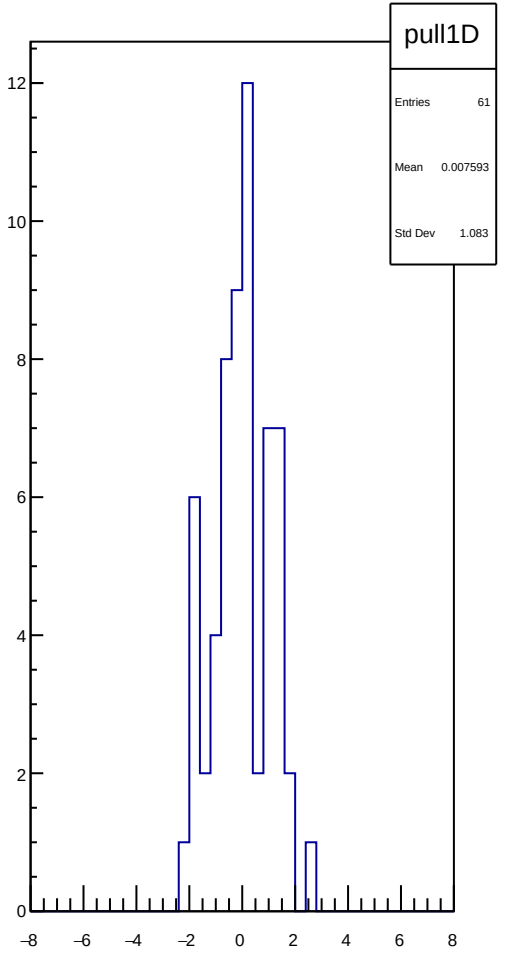

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 6.082e+04 / 62
p0 1060 ± 0.9885
50000
40000
30000
20000
10000

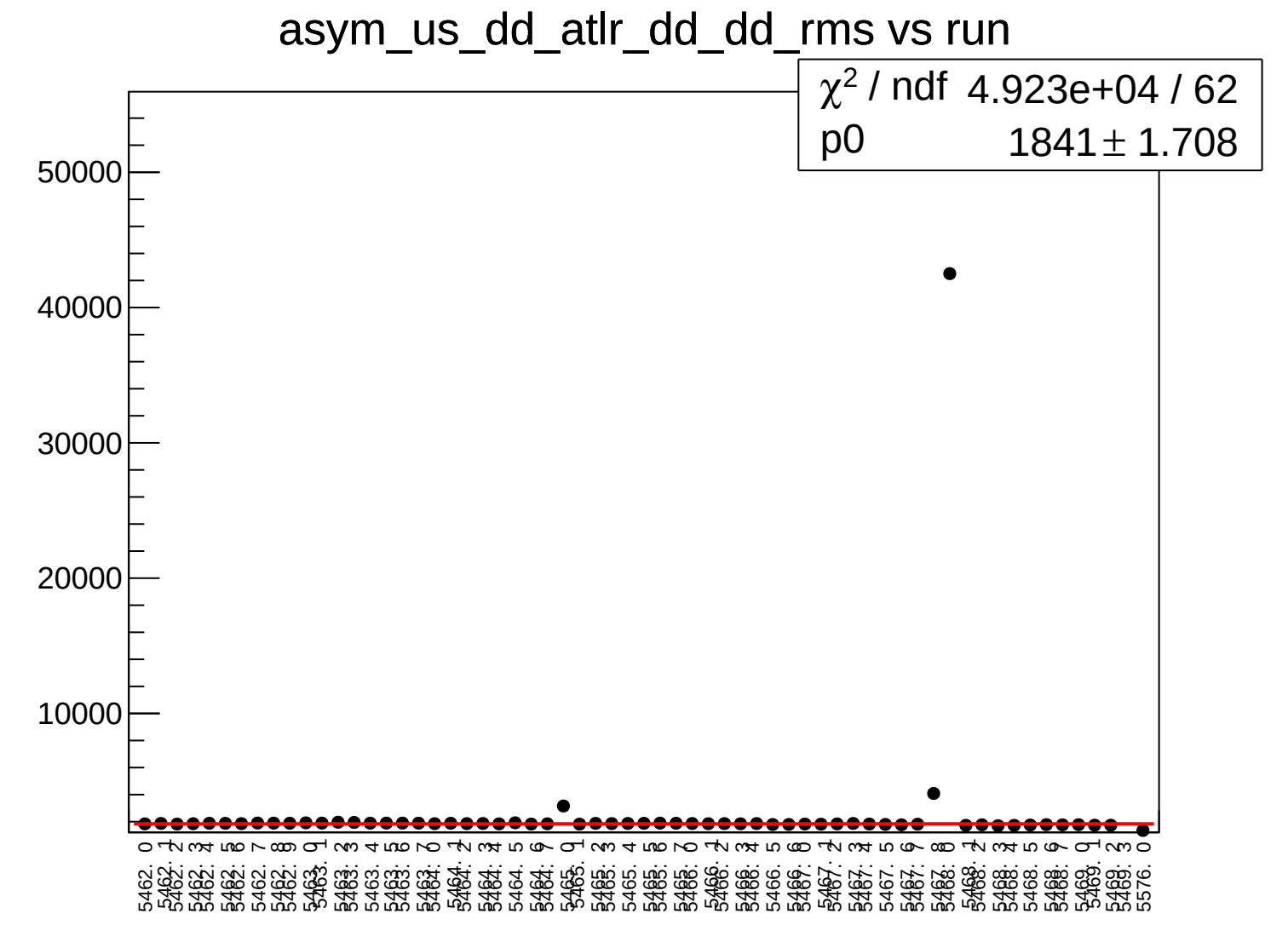

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.7 / 62
p0 −735.8 ± 2267
pull
Entries 63
Mean 279.3
Std Dev 0

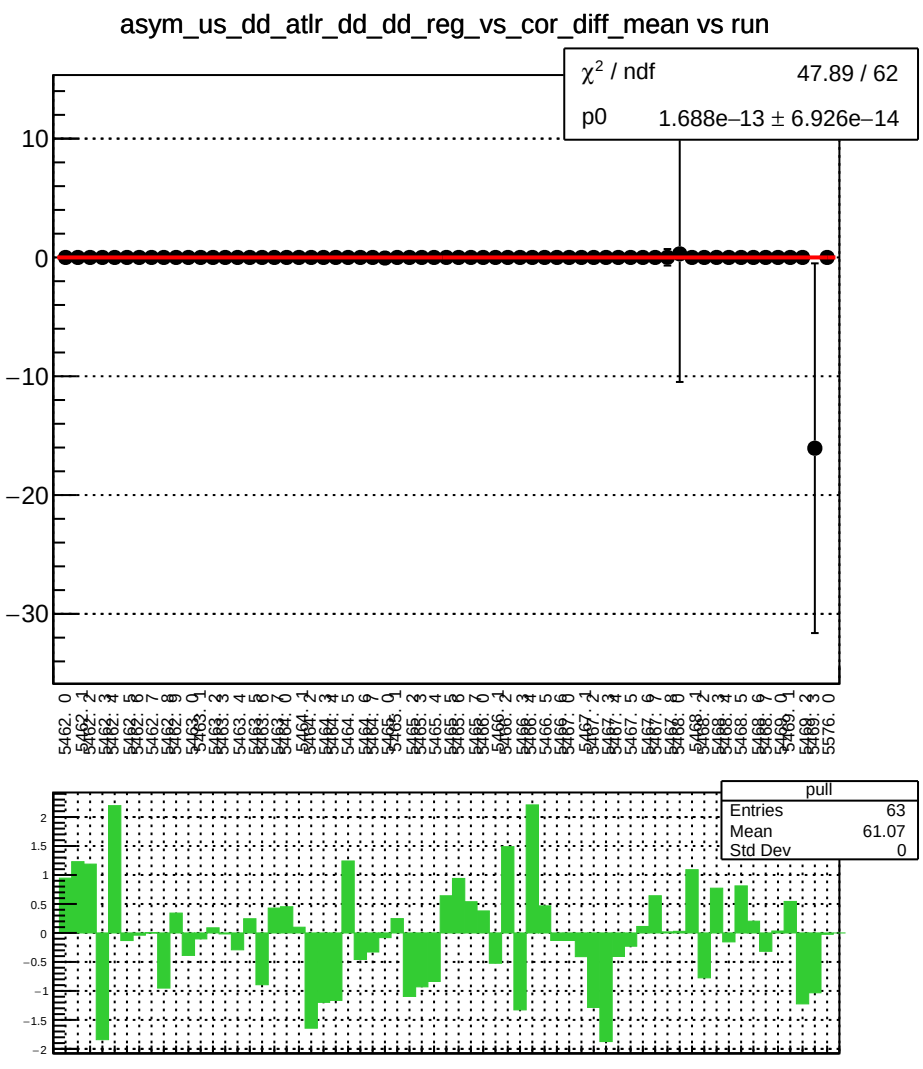

pull1D
Entries 63
Mean 0.007061
Std Dev 1.103

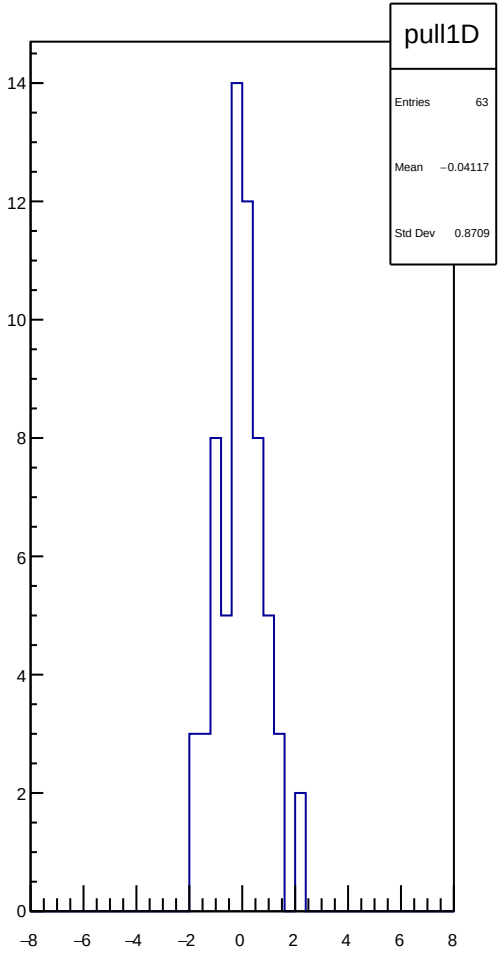

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 8255 / 62
p0 1758 ± 1.603
1900
1800
1700
1600
1500
1400
1300
1200
1100

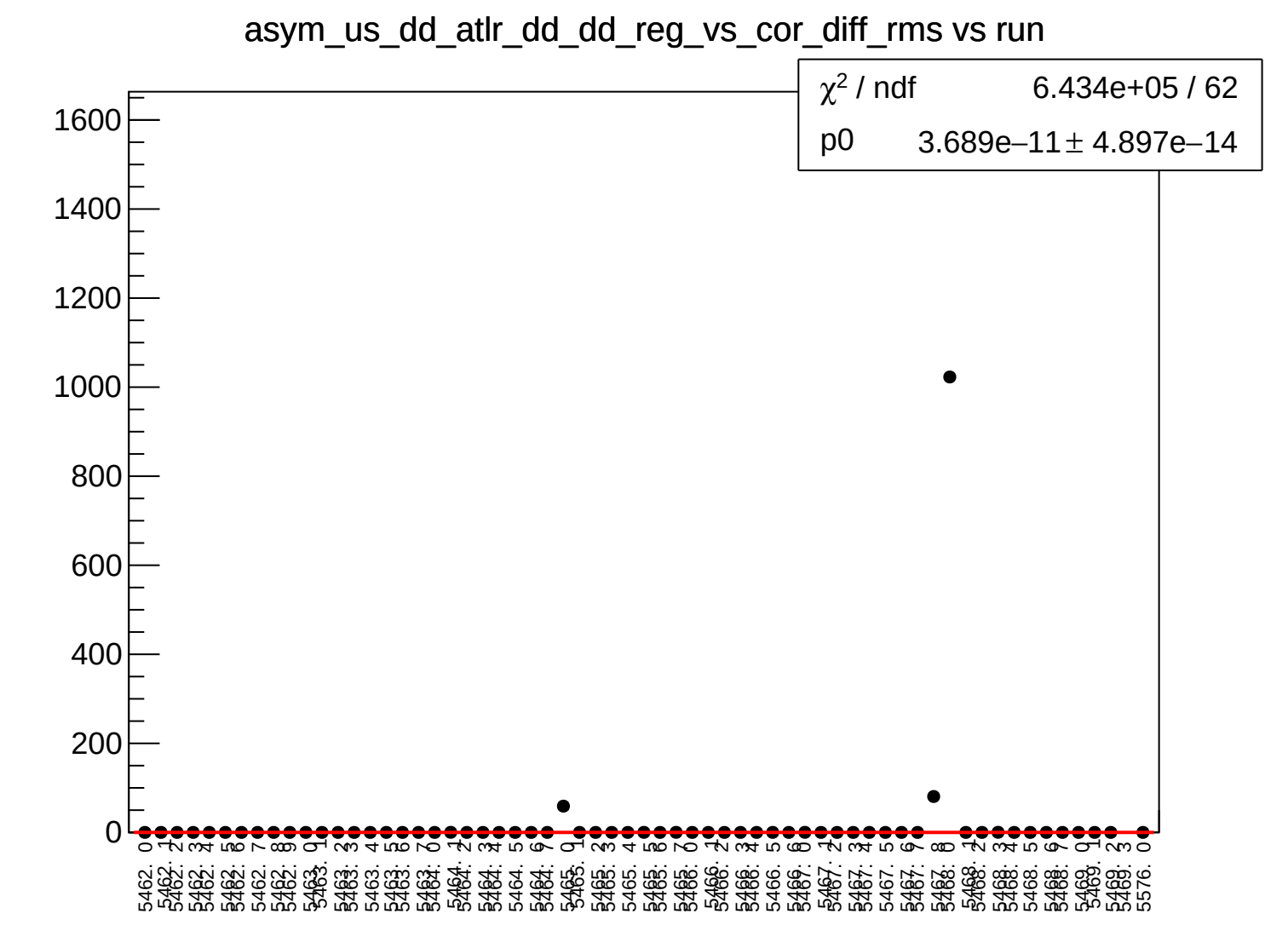

asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ^2 / ndf 71.52 / 60
p0 −114.1± 2416
pull
Entries 61
Mean −96.78
Std Dev 0

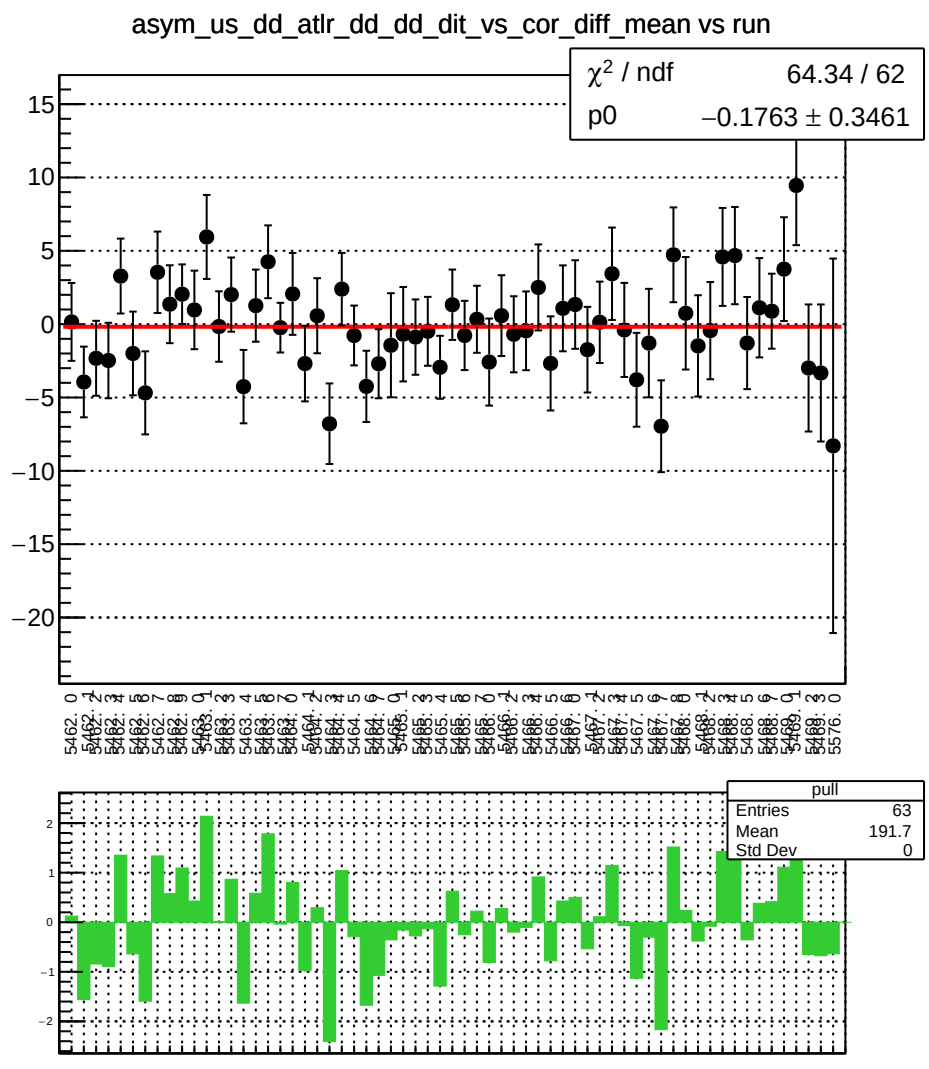

pull1D
Entries 61
Mean 0.007593
Std Dev 1.083

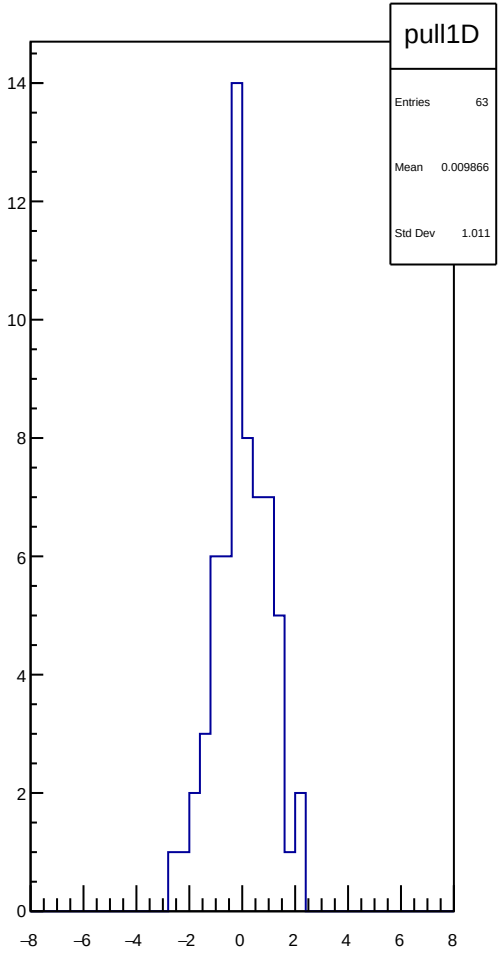

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 4.923e+04 / 62
p0 1841 ± 1.708
50000
40000
30000
20000
10000

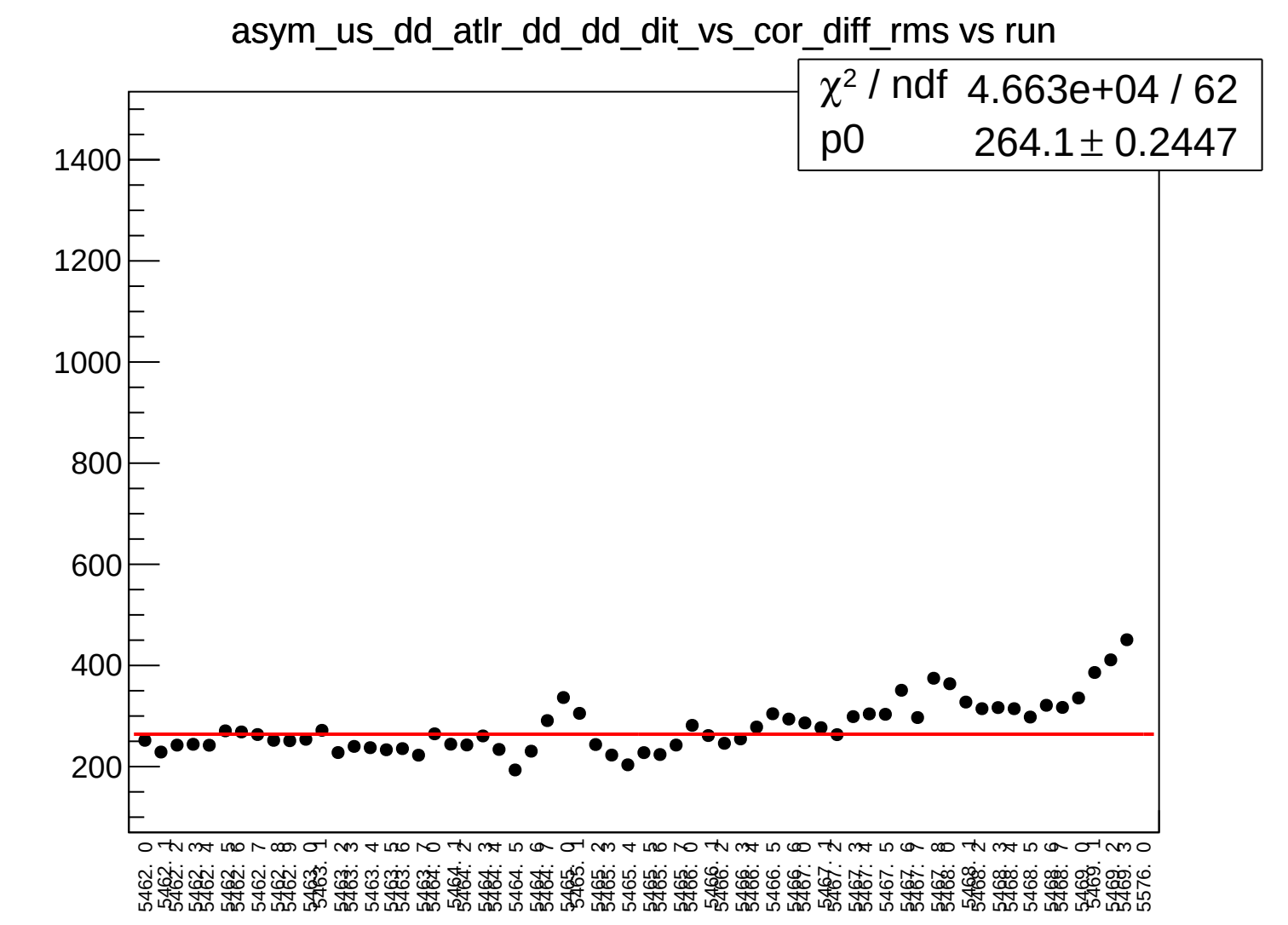

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.89 / 62
p0 1.688e−13 ± 6.926e−14
pull
Entries 63
Mean 61.07
Std Dev 0

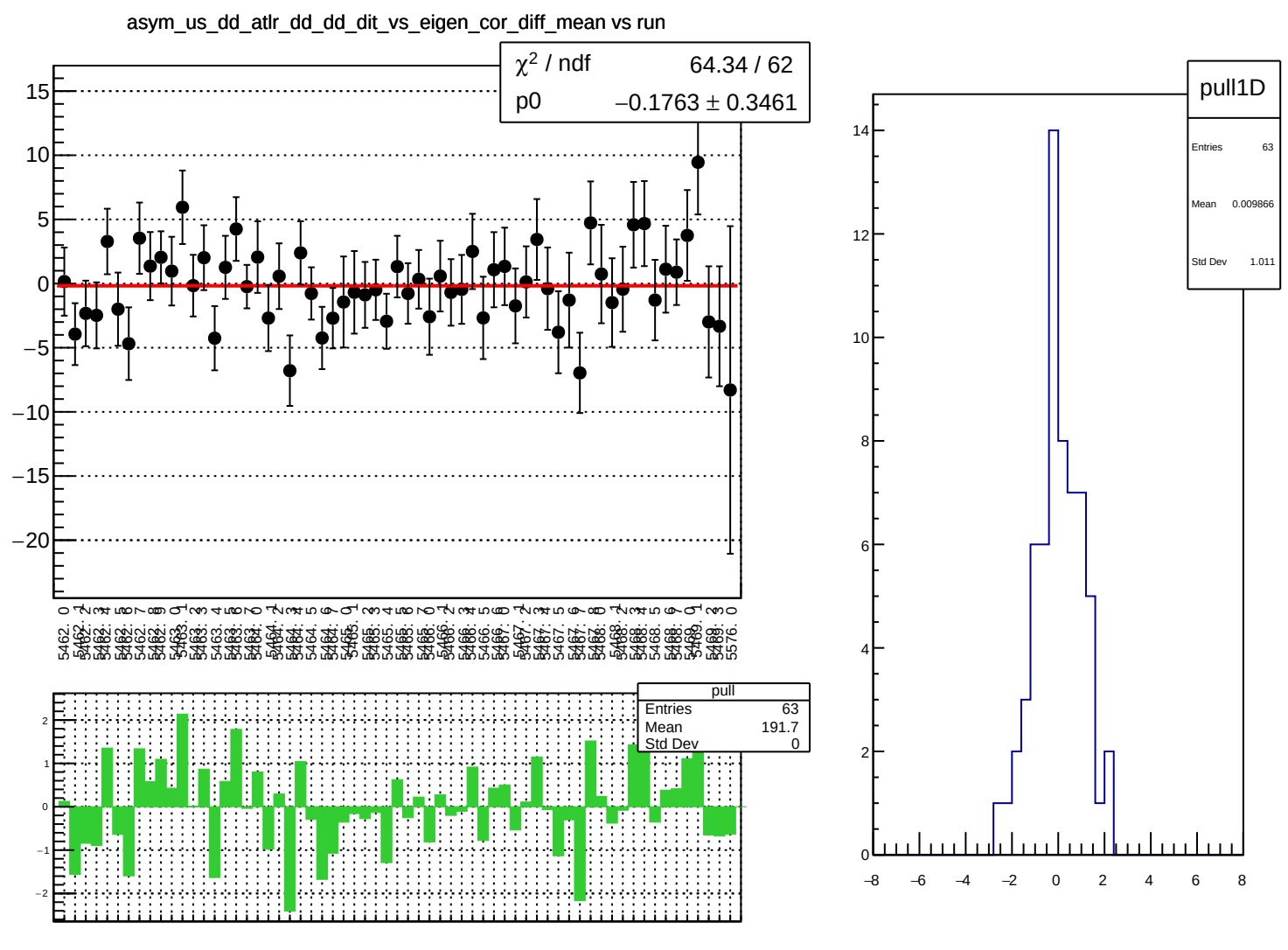

pull1D
Entries 63
Mean −0.04117
Std Dev 0.8709

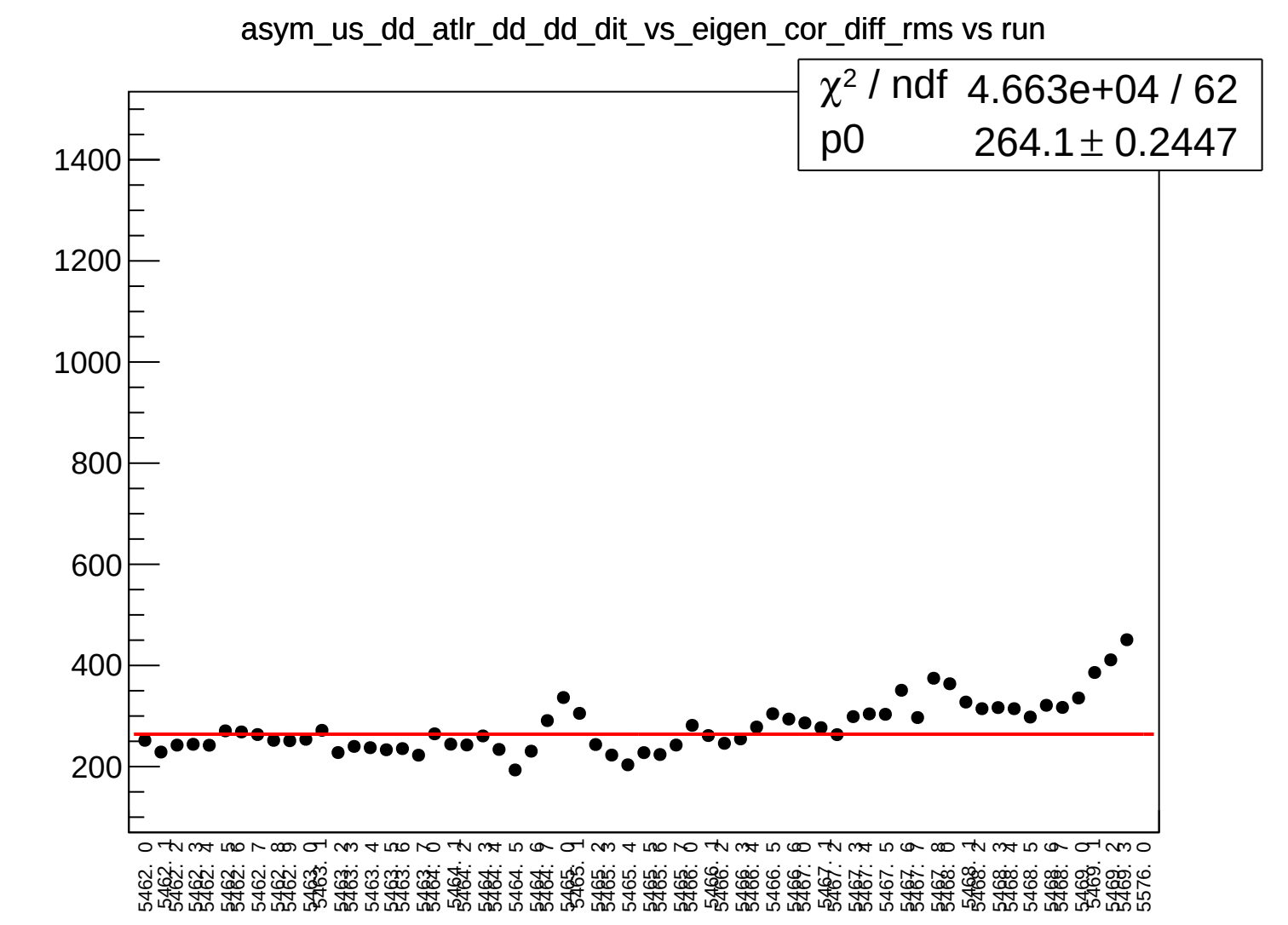

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.434e+05 / 62
p0 3.689e−11 ± 4.897e−14
1600
1400
1200
1000
800
600
400
200
0

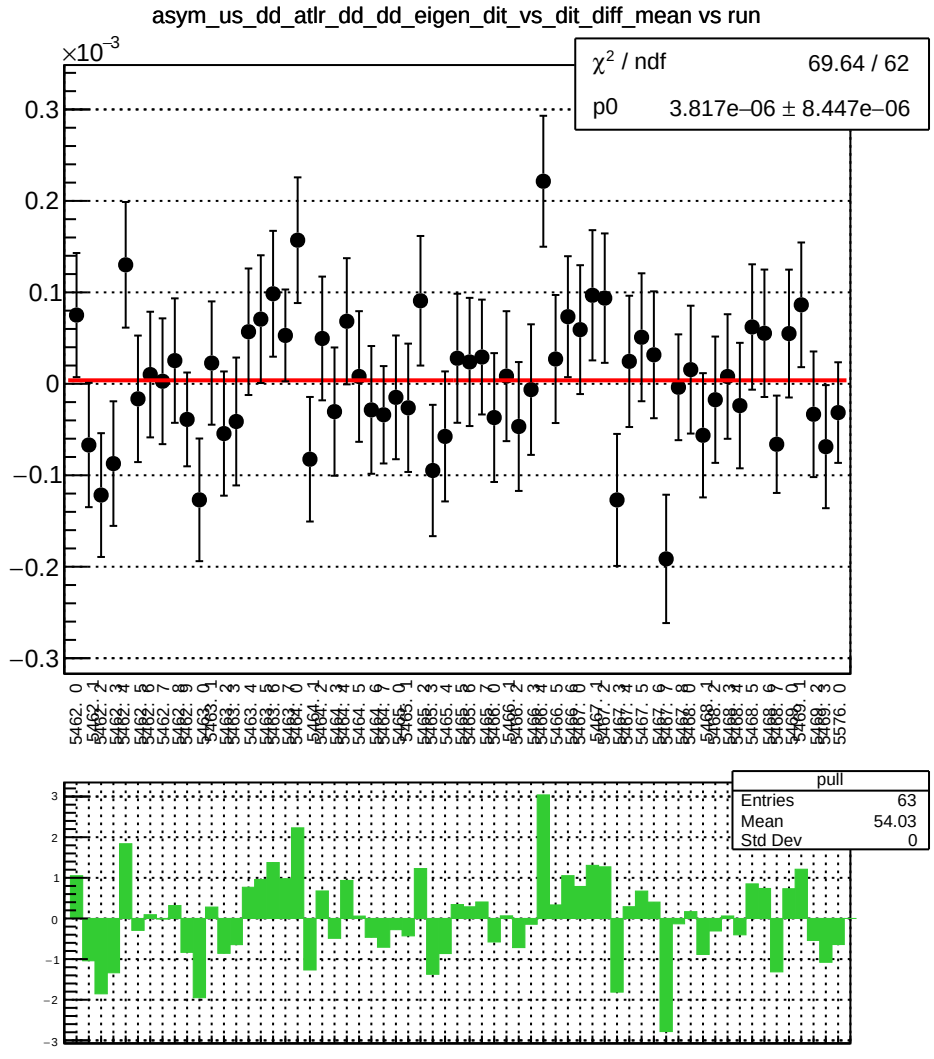

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.34 / 62
p0 −0.1763 ± 0.3461
pull
Entries 63
Mean 191.7
Std Dev 0

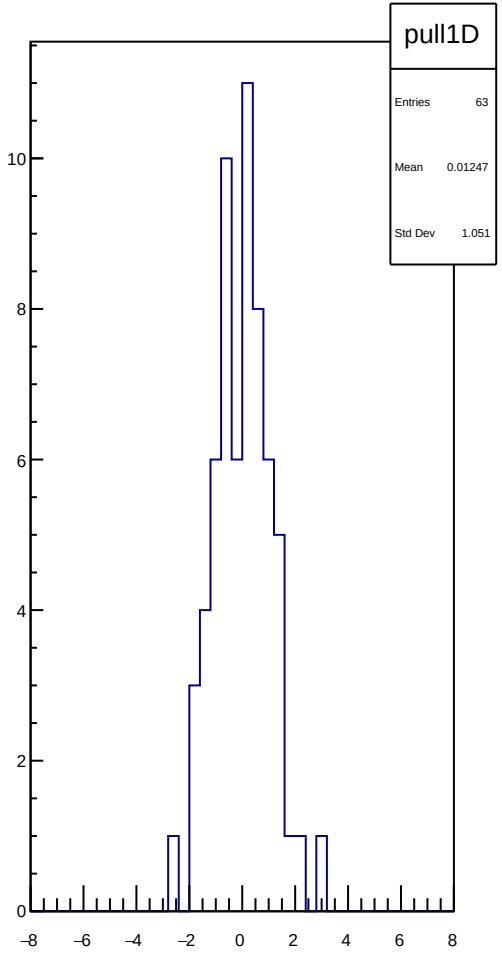

pull1D
Entries 63
Mean 0.009866
Std Dev 1.011

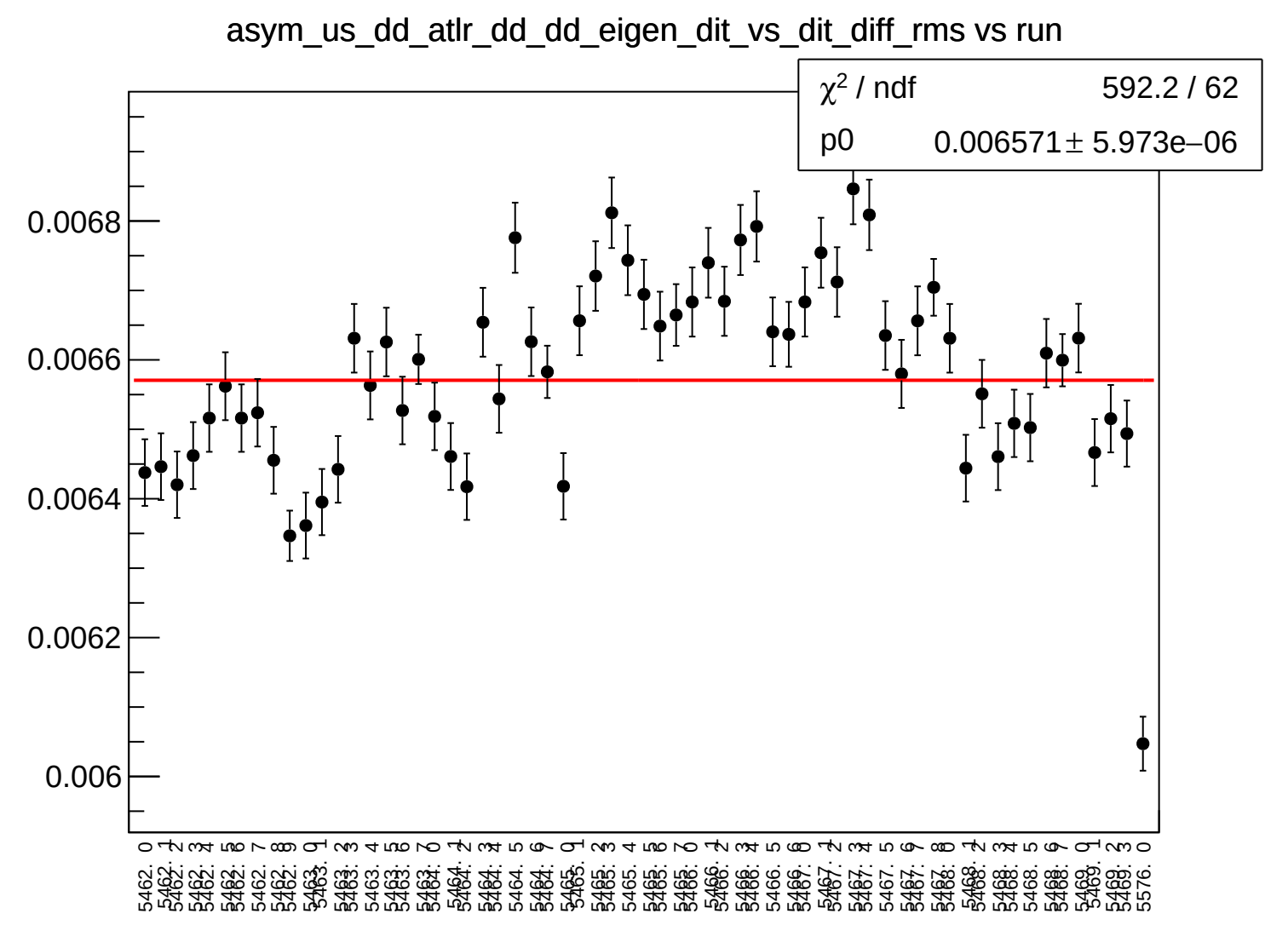

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.663e+04 / 62
p0 264.1 ± 0.2447
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

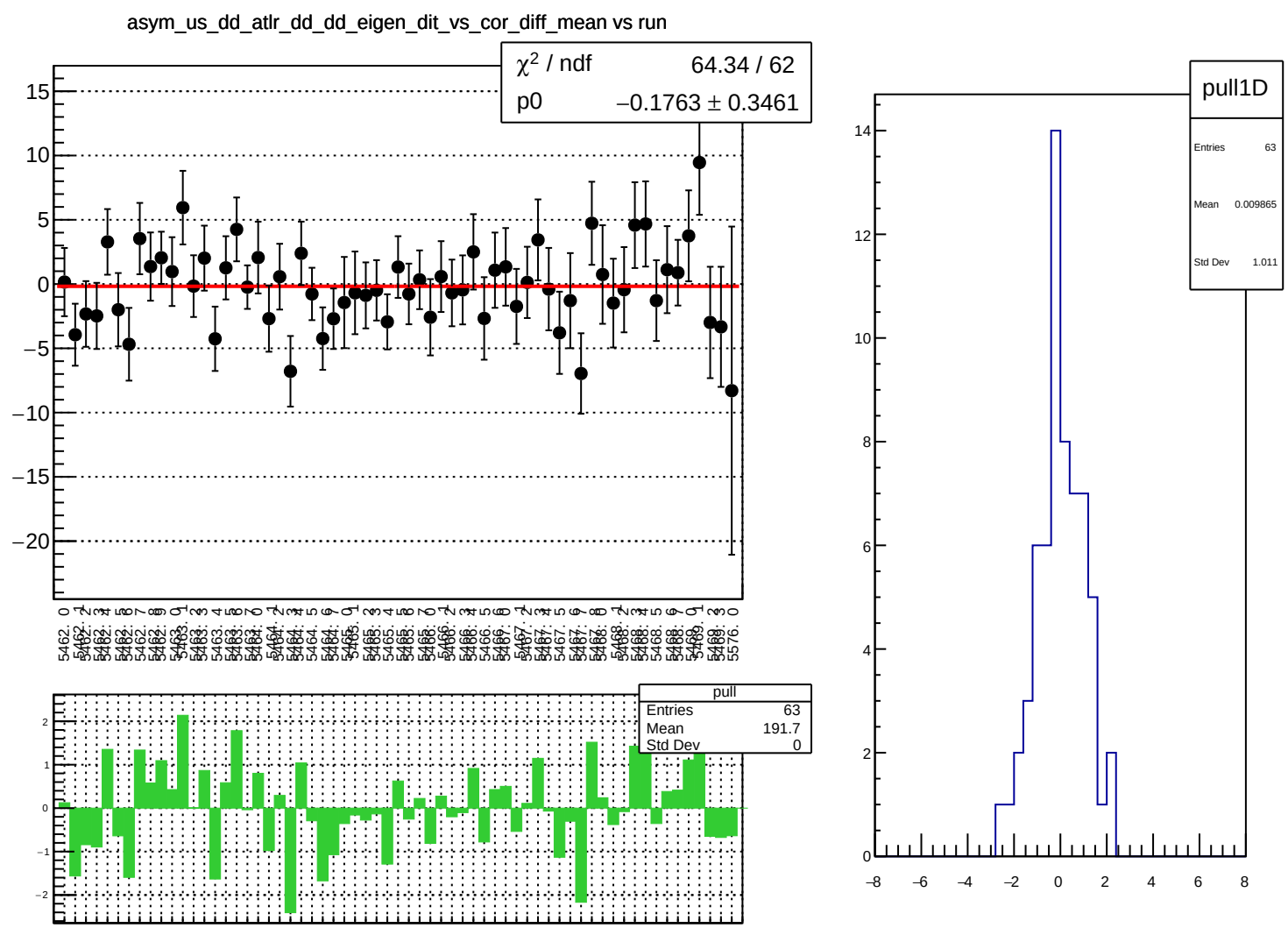

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.34 / 62
p0 −0.1763 ± 0.3461
pull
Entries 63
Mean 191.7
Std Dev 0
pull1D
Entries 63
Mean 0.009866
Std Dev 1.011

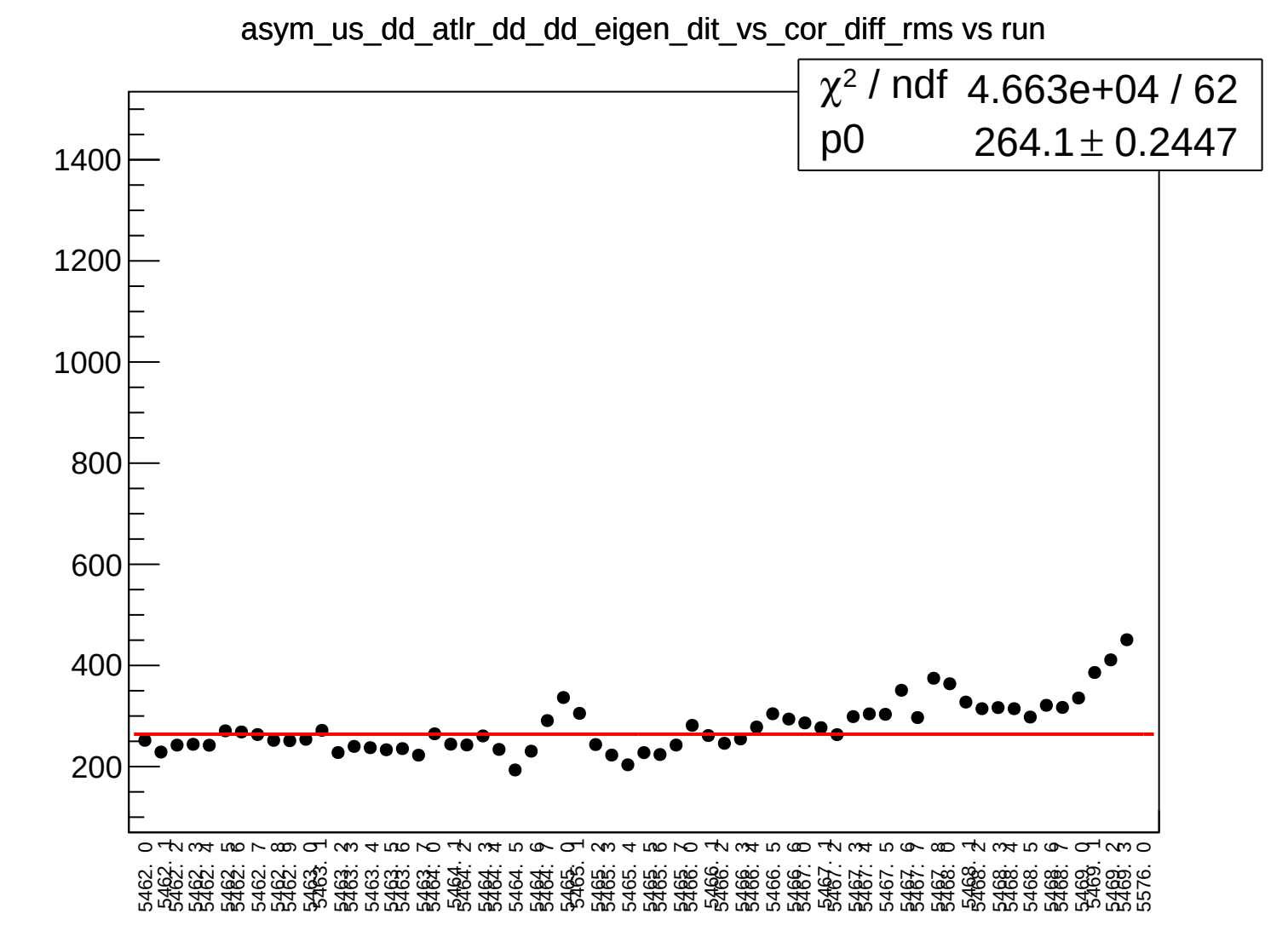

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.663e+04 / 62
p0 264.1 ± 0.2447
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

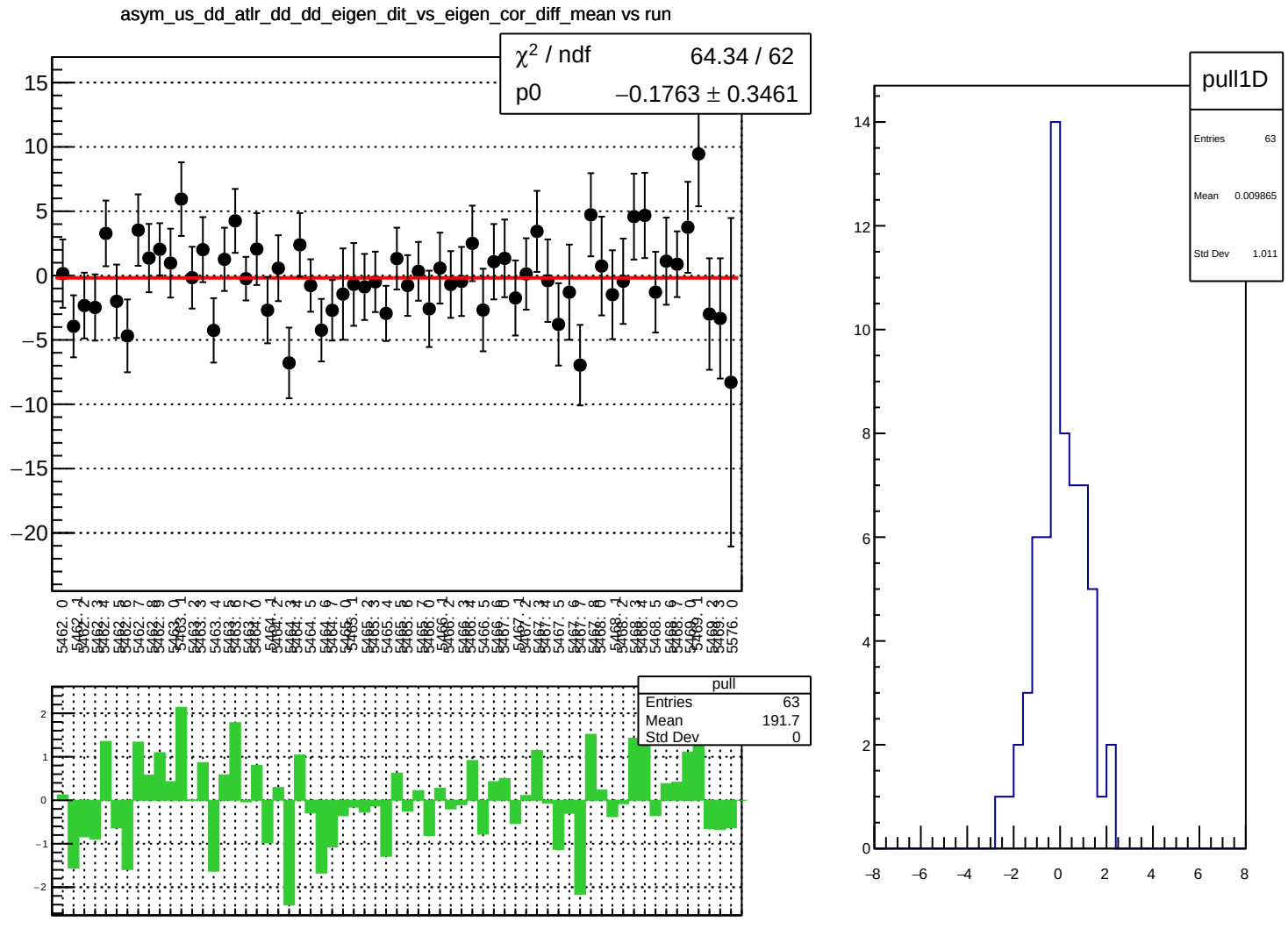

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.64 / 62
p0 3.817e−06 ± 8.447e−06
pull
Entries 63
Mean 54.03
Std Dev 0

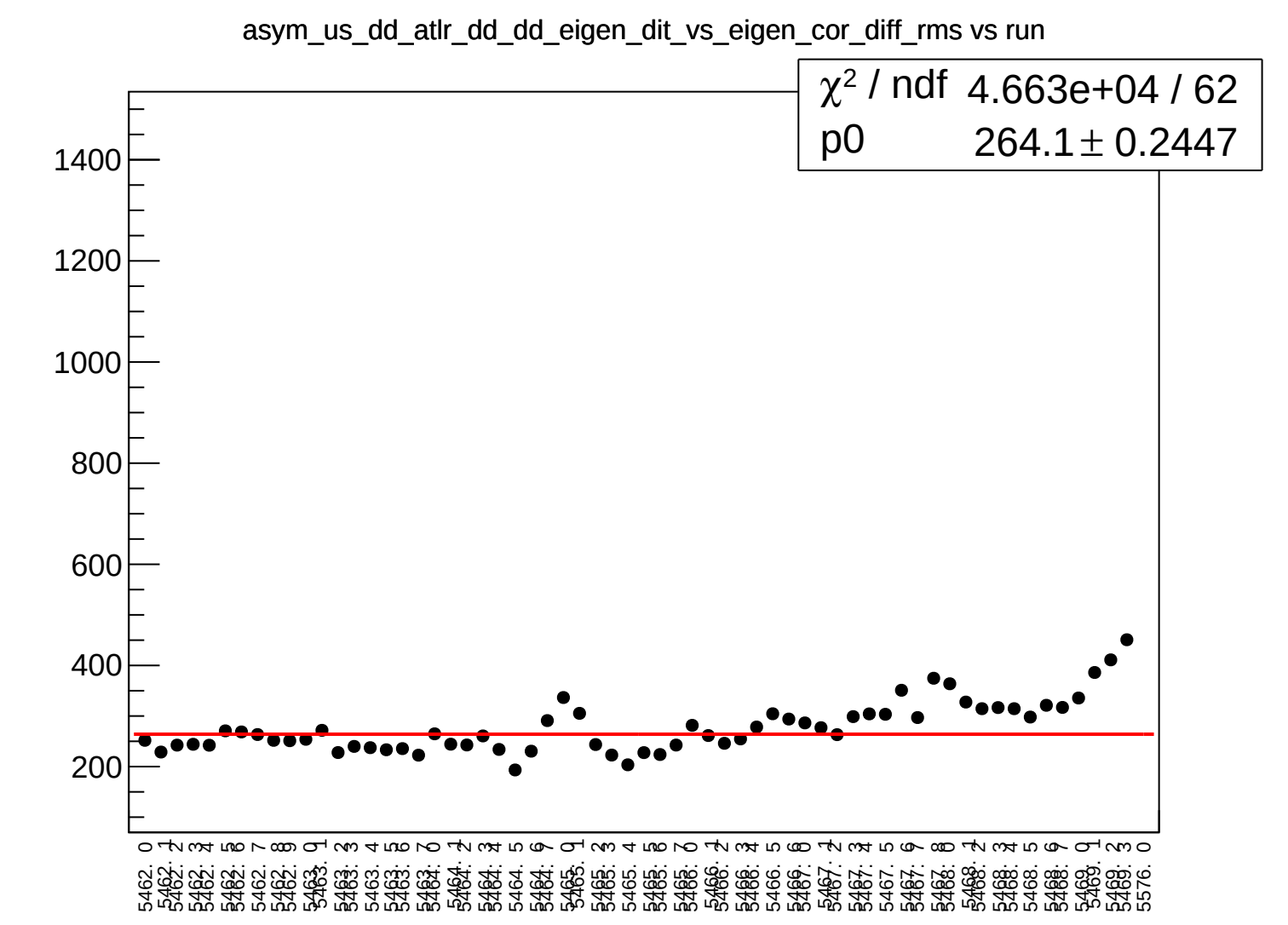

pull1D
Entries 63
Mean 0.01247
Std Dev 1.051


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 592.2 / 62
p0 0.006571 ± 5.973e−06
0.0068
0.0066
0.0064
0.0062
0.006


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.34 / 62
p0 −0.1763 ± 0.3461
pull
Entries 63
Mean 191.7
Std Dev 0
pull1D
Entries 63
Mean 0.009865
Std Dev 1.011


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.663e+04 / 62
p0 264.1 ± 0.2447
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.34 / 62
p0 −0.1763 ± 0.3461
pull
Entries 63
Mean 191.7
Std Dev 0
pull1D
Entries 63
Mean 0.009865
Std Dev 1.011


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.663e+04 / 62
p0 264.1 ± 0.2447
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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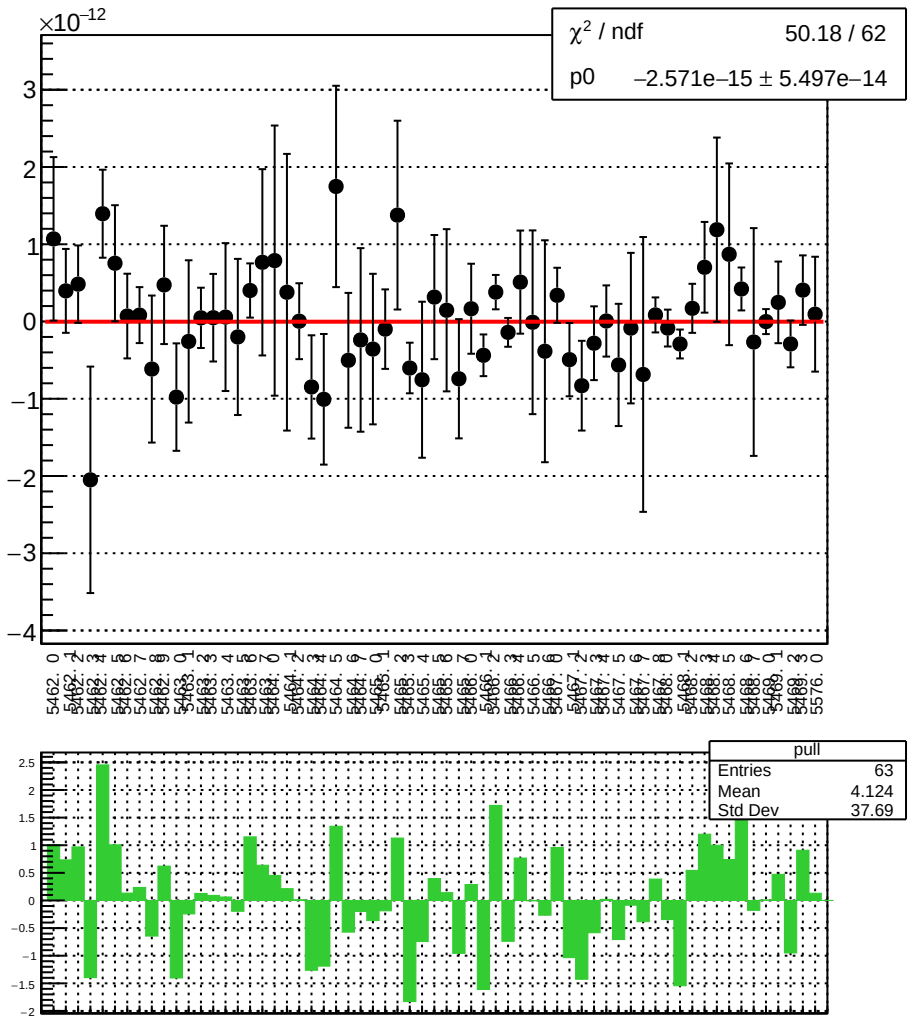
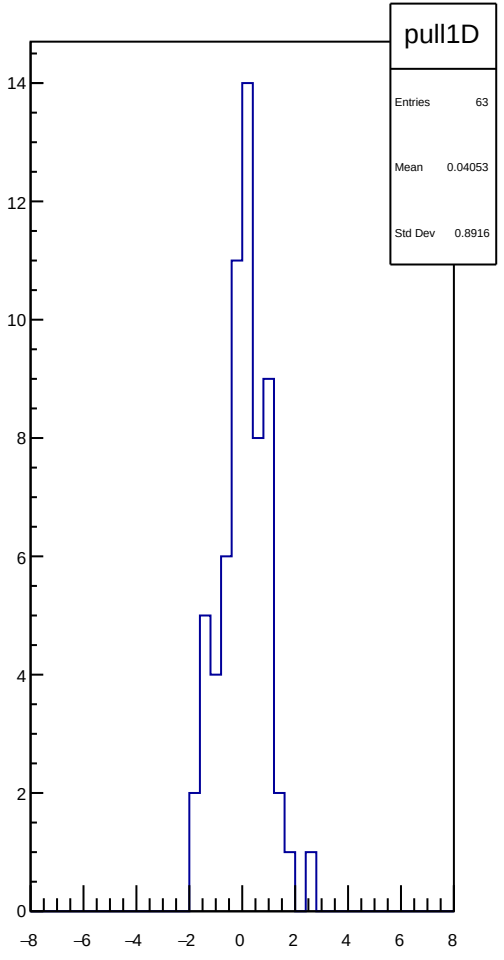
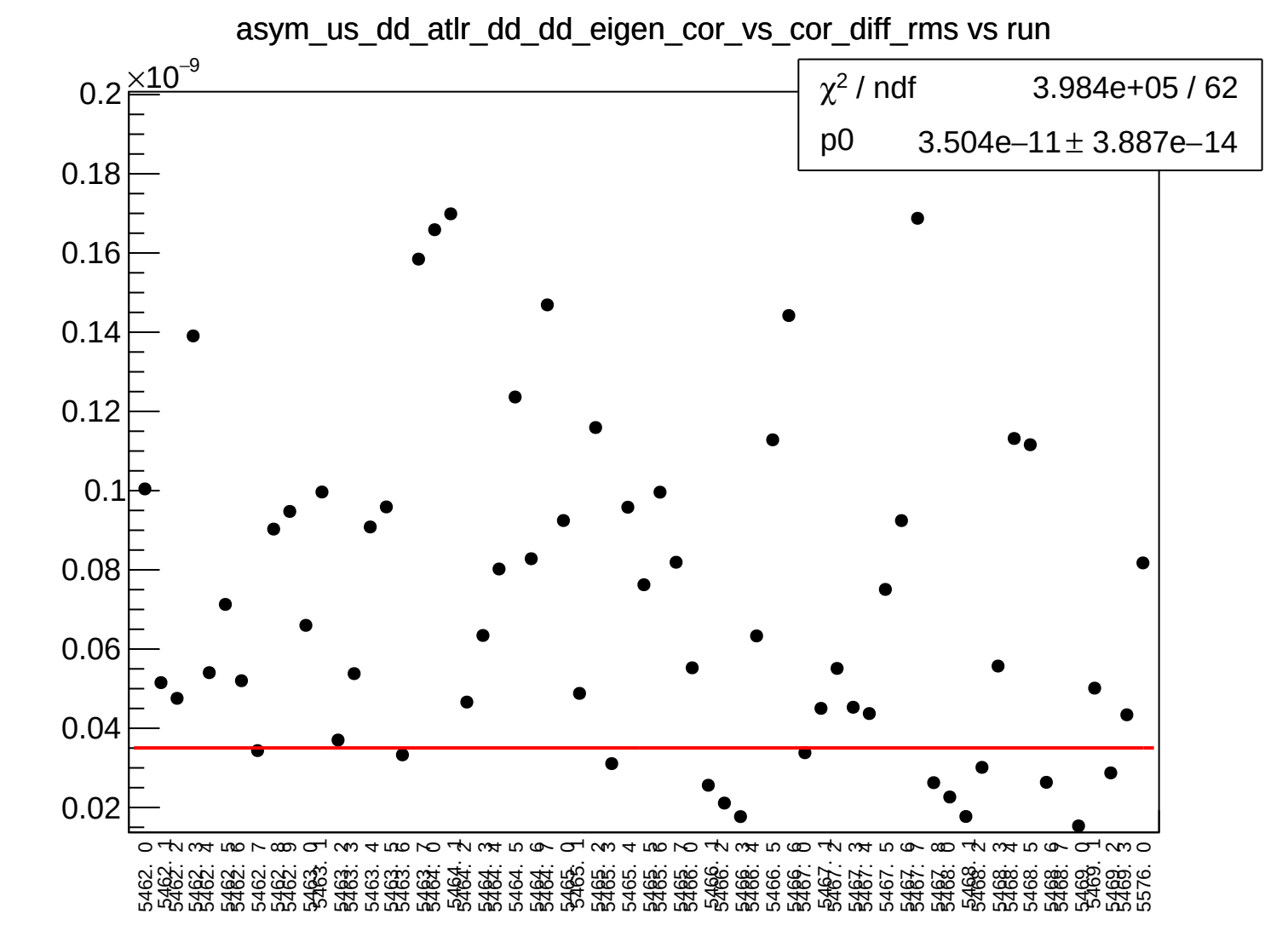
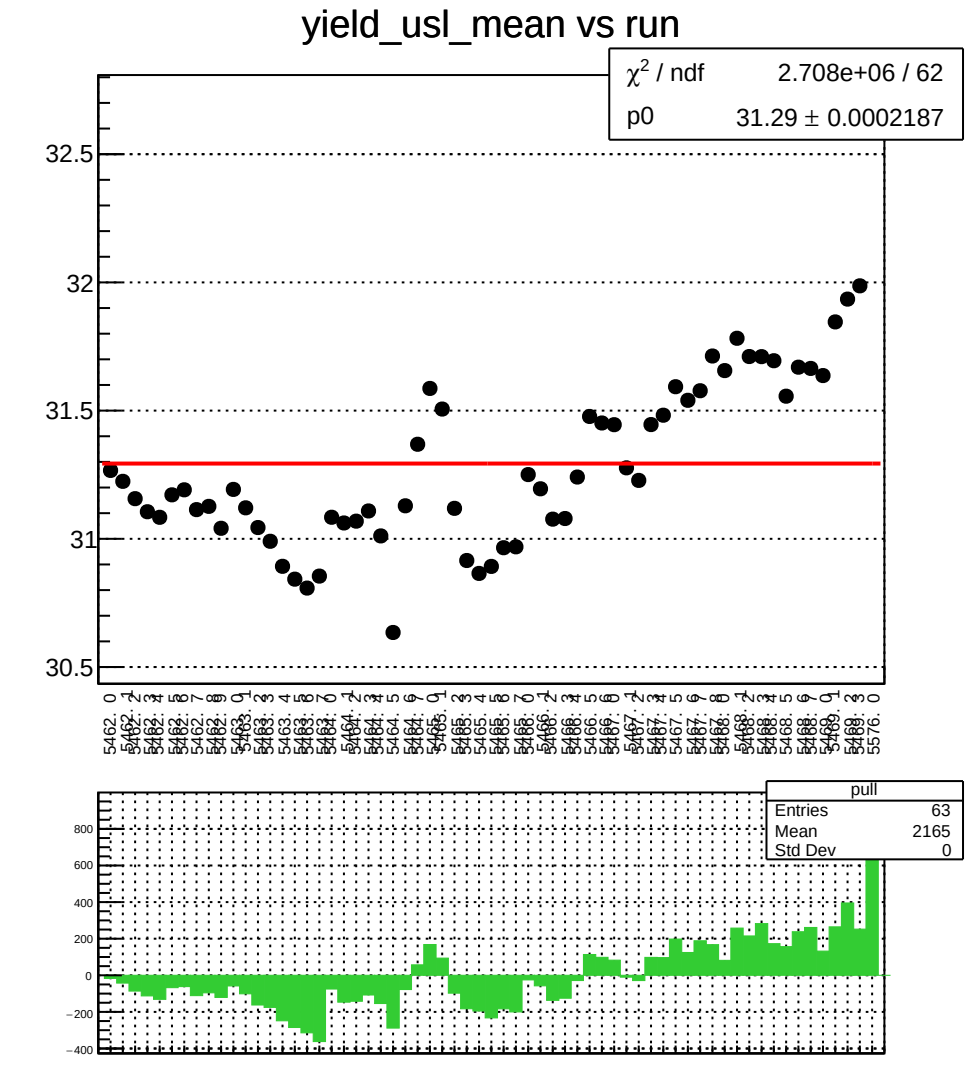
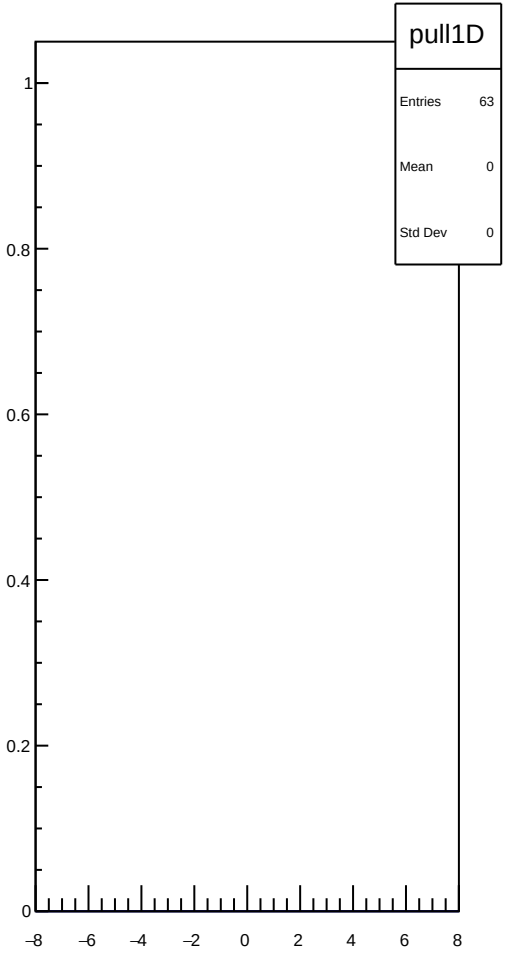
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

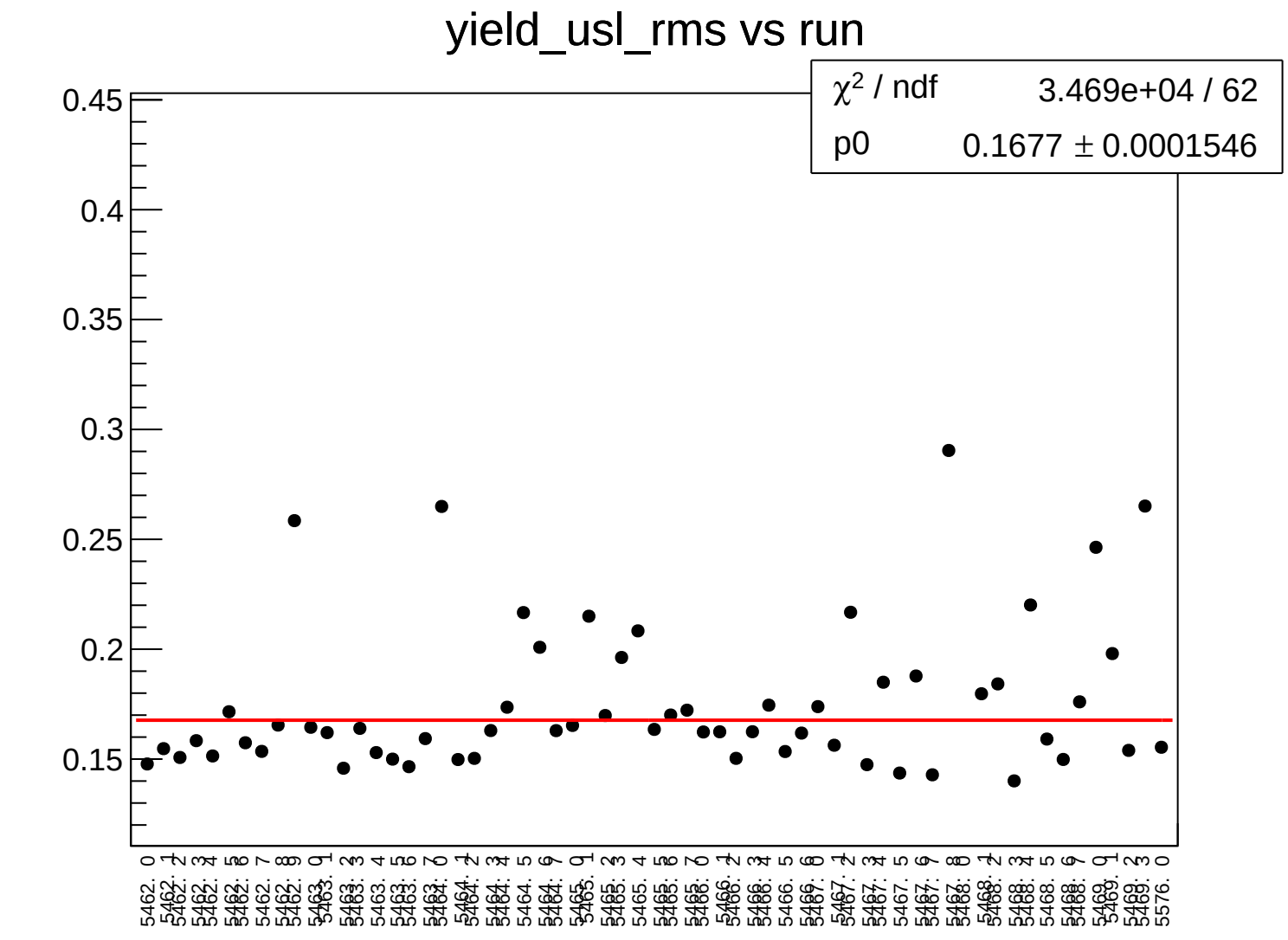

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.18 / 62
p0 −2.571e−15 ± 5.497e−14
pull
Entries 63
Mean 4.124
Std Dev 37.69


pull1D
Entries 63
Mean 0.04053
Std Dev 0.8916


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.984e+05 / 62
p0 3.504e−11 ± 3.887e−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 2.708e+06 / 62
p0 31.29 ± 0.0002187
32.5
32
31.5
31
30.5
pull
Entries 63
Mean 2165
Std Dev 0
800
600
400
200
0
−200
−400


pull1D
Entries 63
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_usl_rms vs run
χ² / ndf 3.469e+04 / 62
p0 0.1677 ± 0.0001546
0.45
0.4
0.35
0.3
0.25
0.2
0.15
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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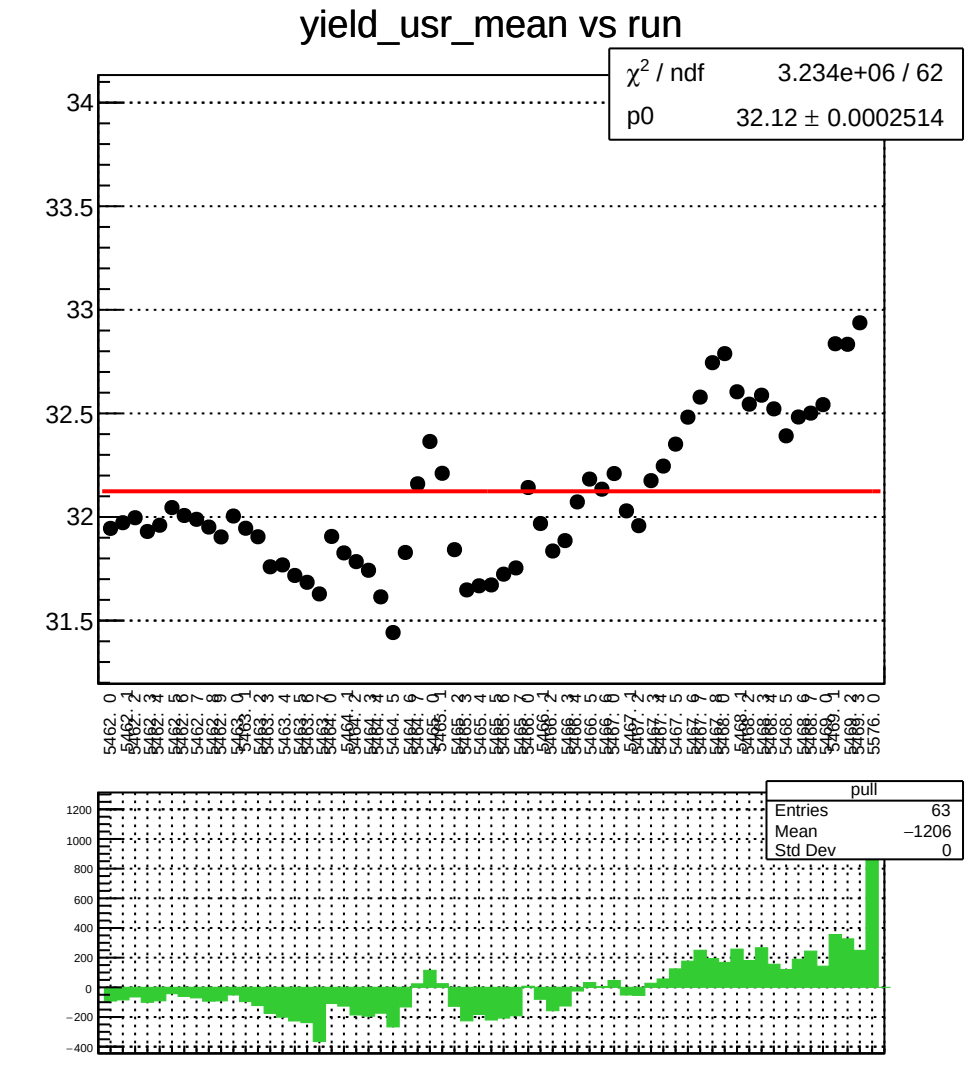
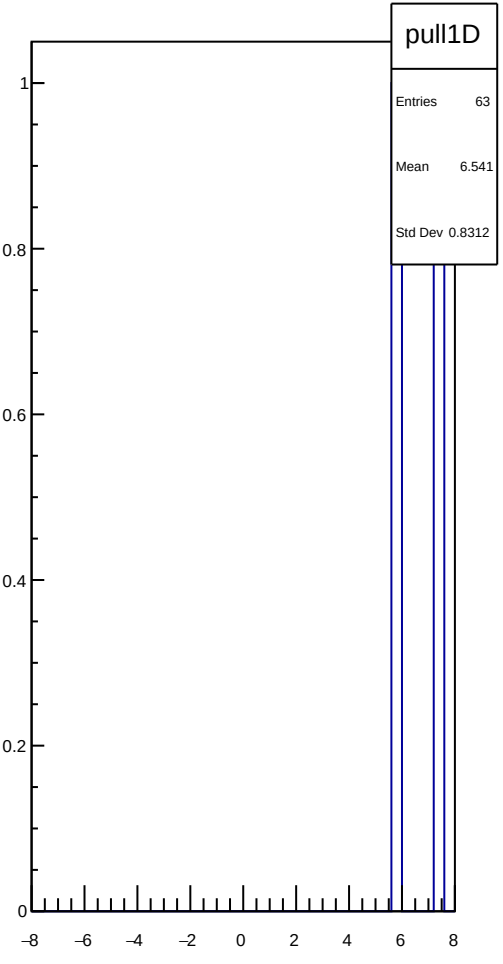
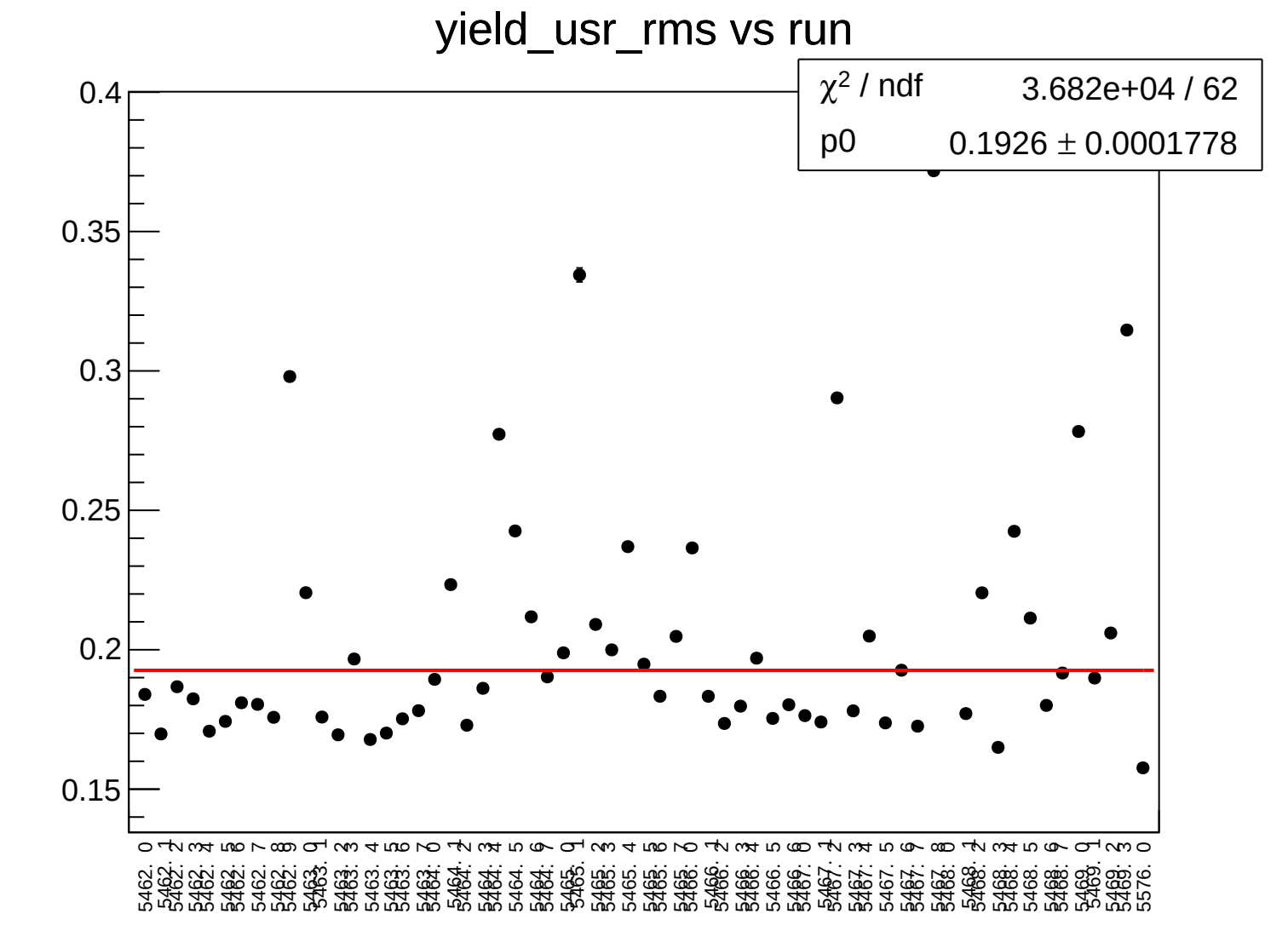
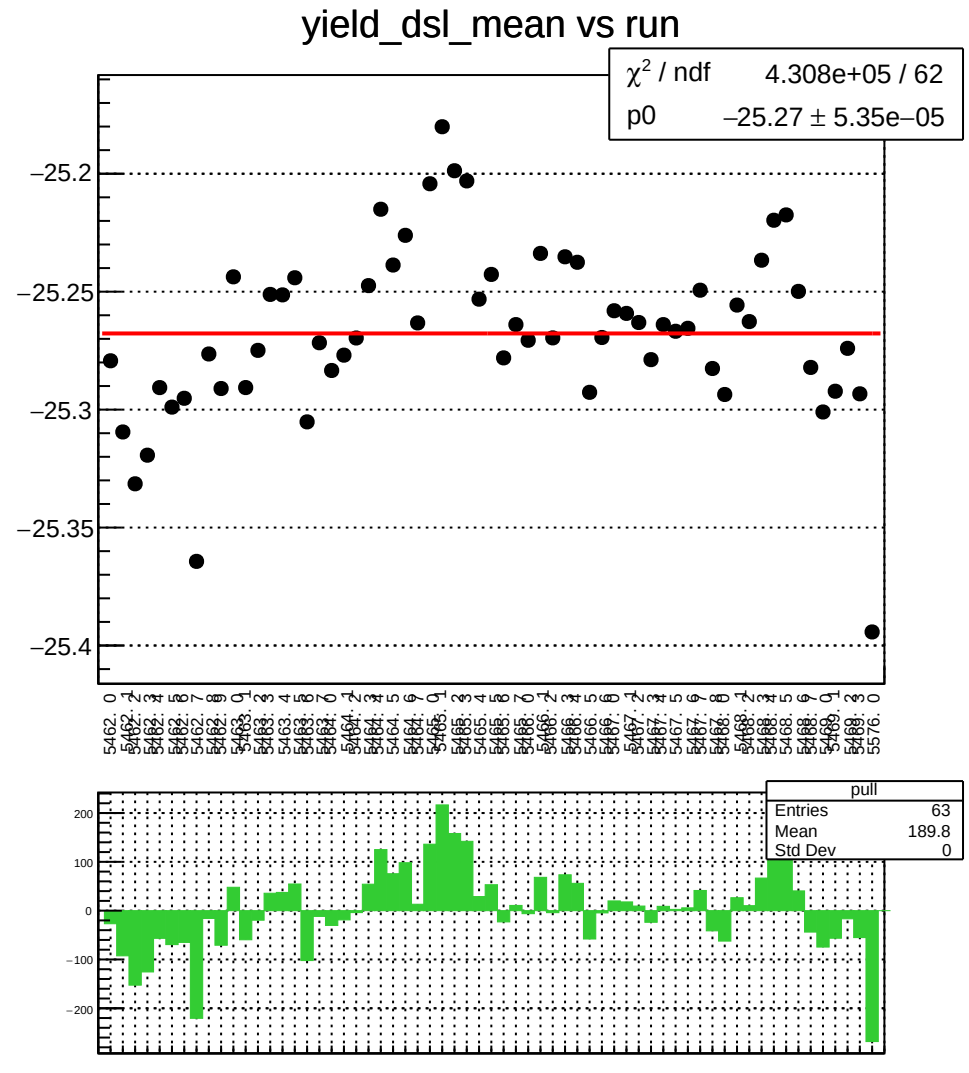
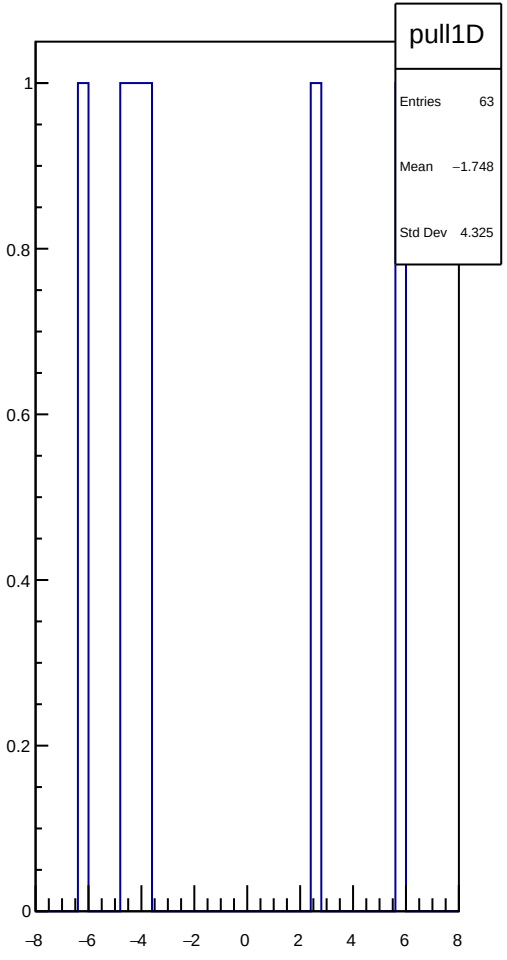
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

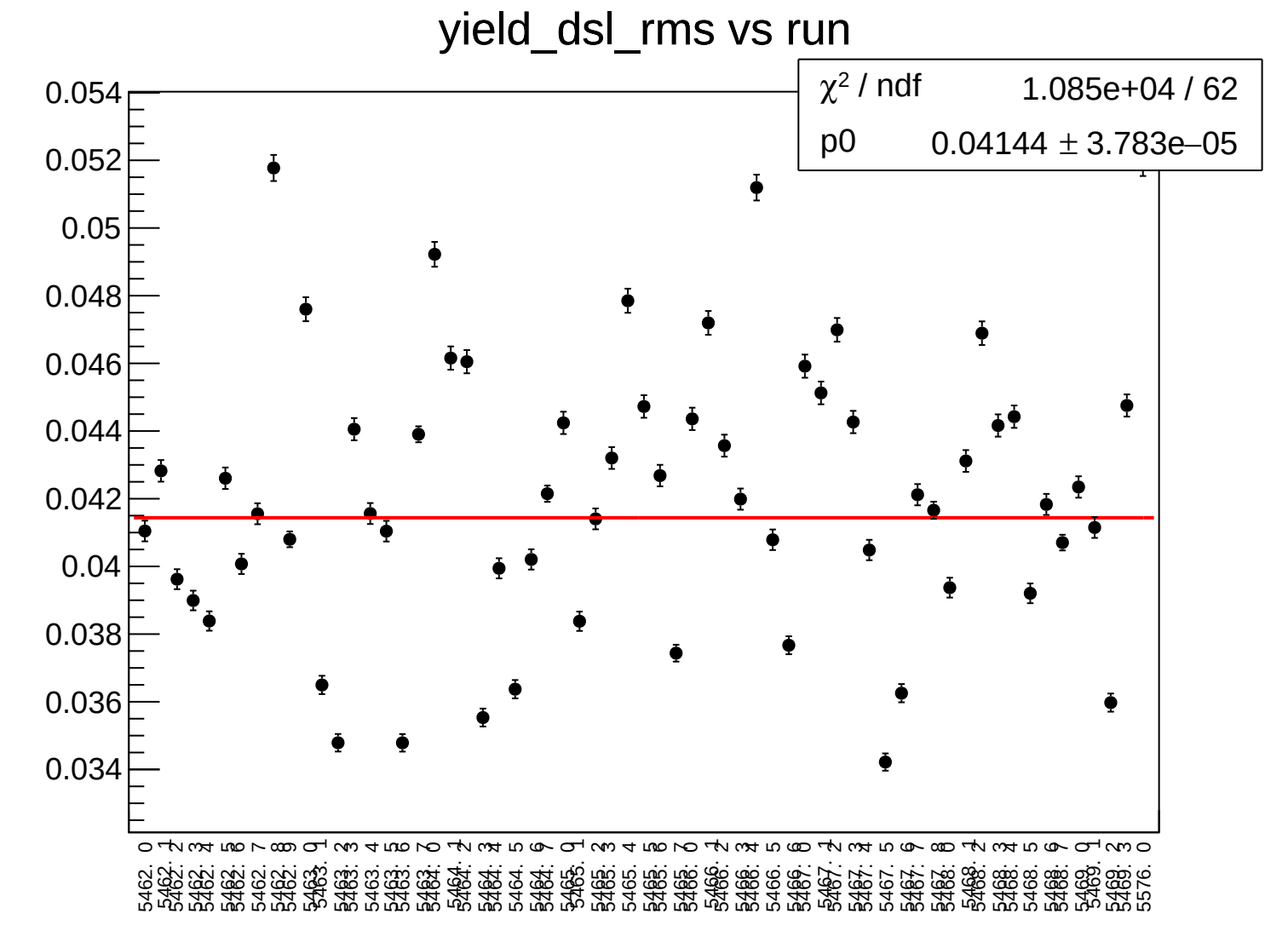

yield_usr_mean vs run
χ² / ndf 3.234e+06 / 62
p0 32.12 ± 0.0002514
34
33.5
33
32.5
32
31.5
pull
Entries 63
Mean −1206
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

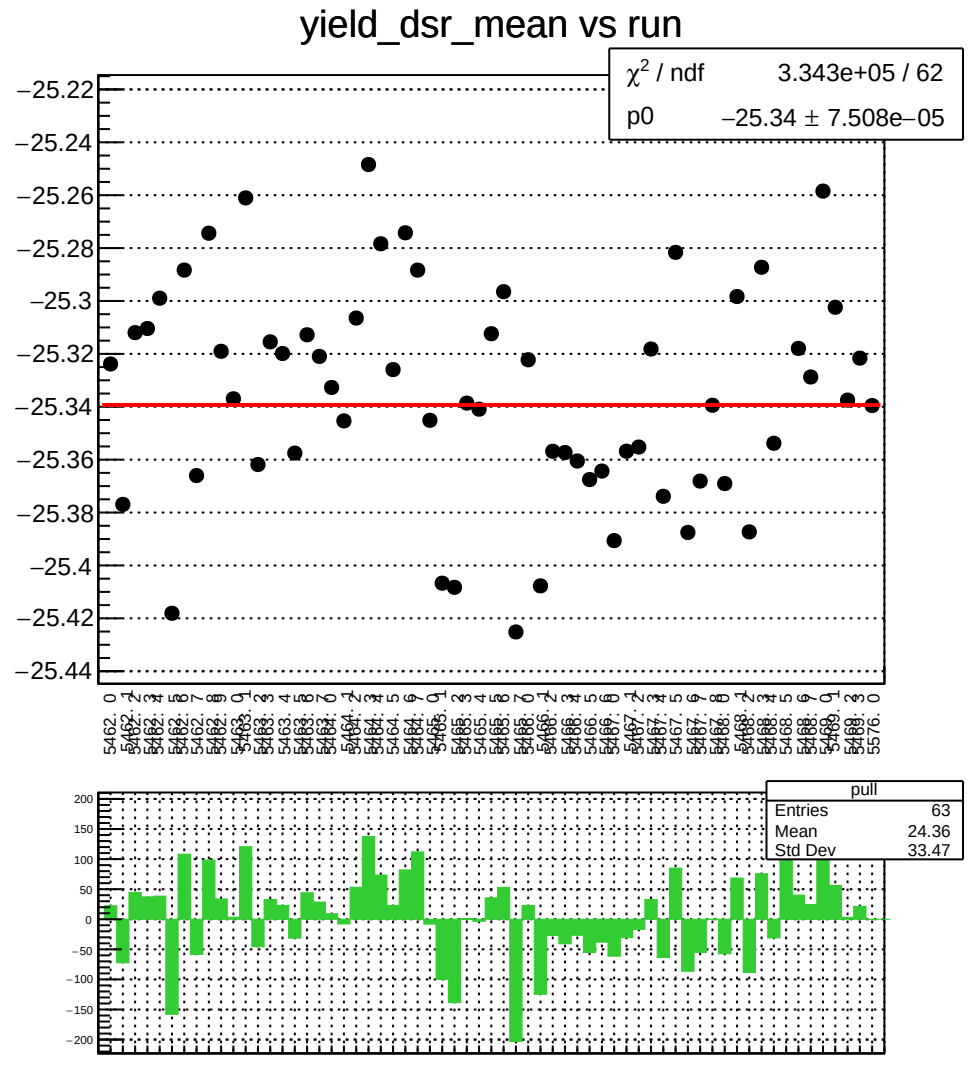

pull1D
Entries 63
Mean 6.541
Std Dev 0.8312
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

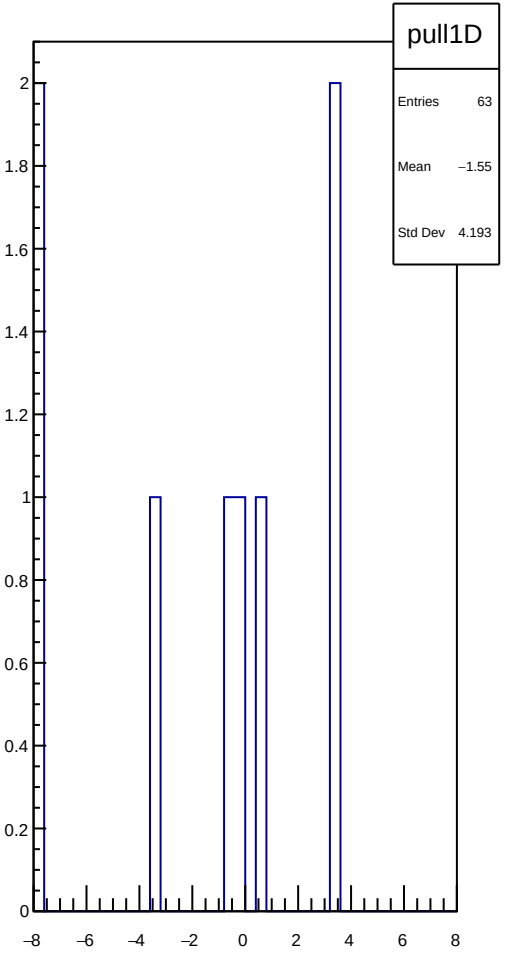

yield_usr_rms vs run
χ² / ndf 3.682e+04 / 62
p0 0.1926 ± 0.0001778
0.4
0.35
0.3
0.25
0.2
0.15

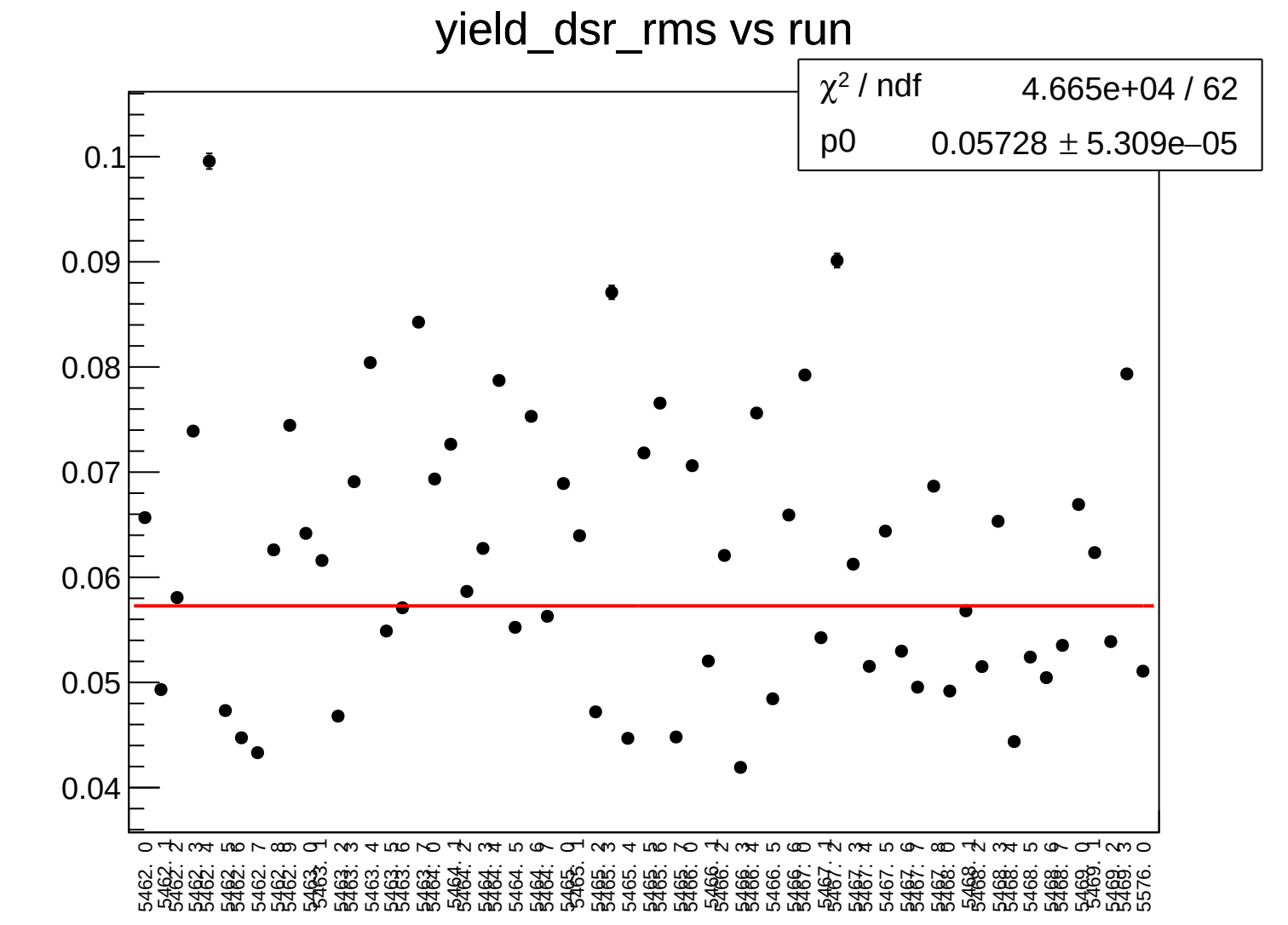

yield_dsl_mean vs run
χ² / ndf 4.308e+05 / 62
p0 −25.27 ± 5.35e−05
−25.2
−25.25
−25.3
−25.35
−25.4
pull
Entries 63
Mean 189.8
Std Dev 0
200
100
0
−100
−200

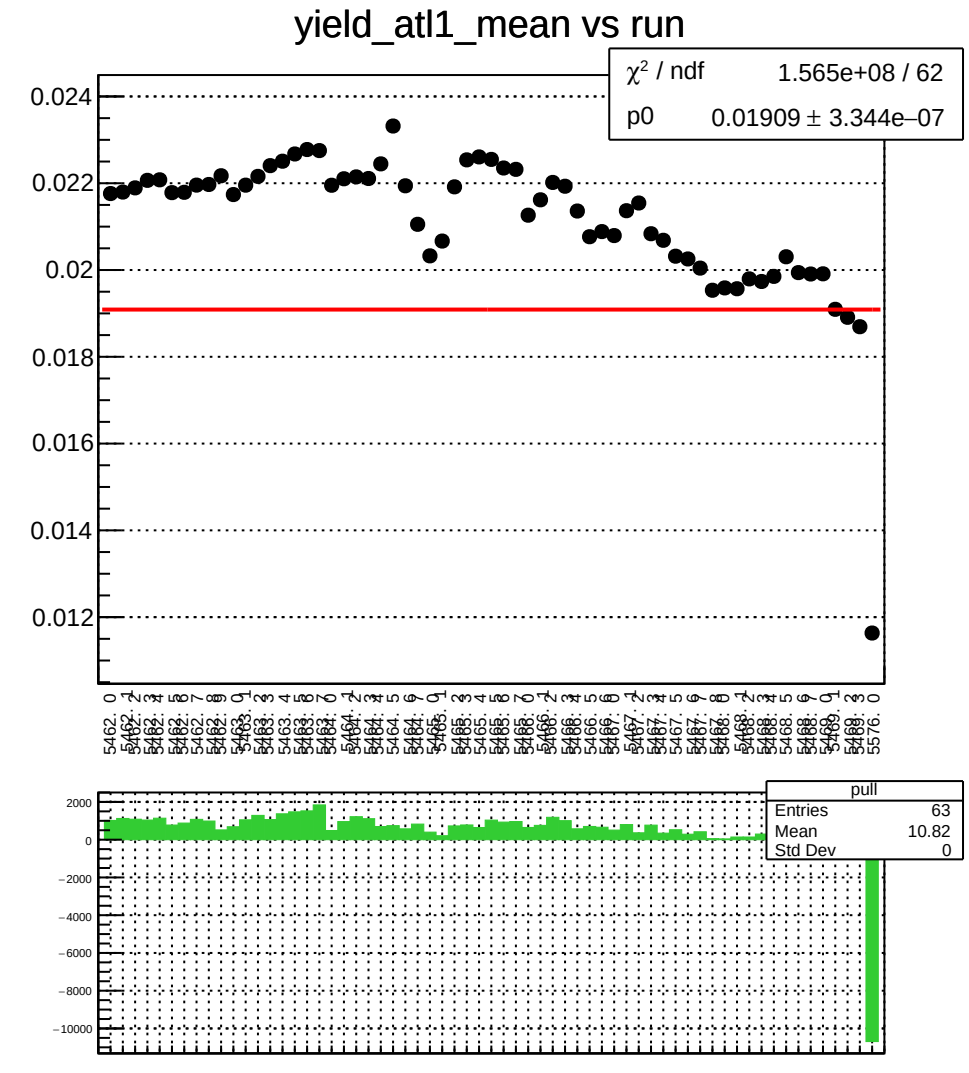

pull1D
Entries 63
Mean −1.748
Std Dev 4.325
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

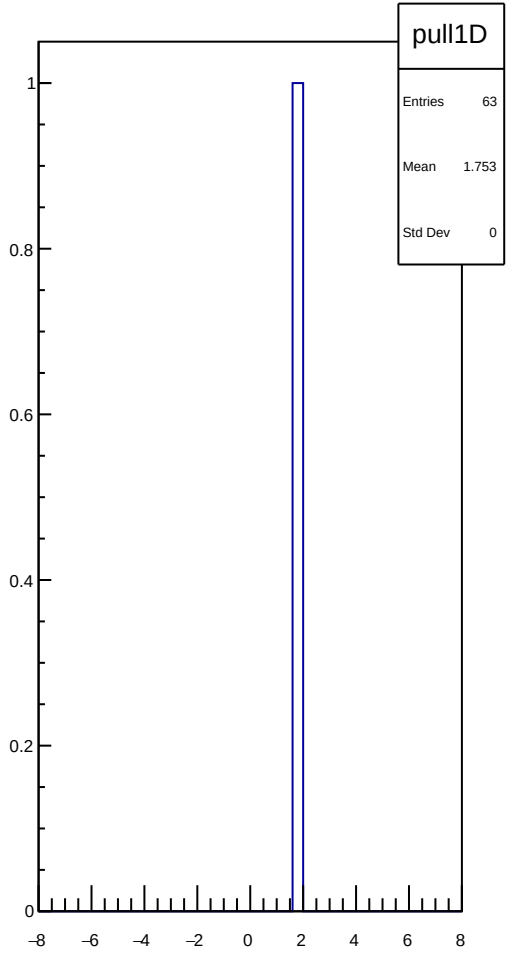

yield_dsl_rms vs run
χ² / ndf 1.085e+04 / 62
p0 0.04144 ± 3.783e–05
0.054
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034

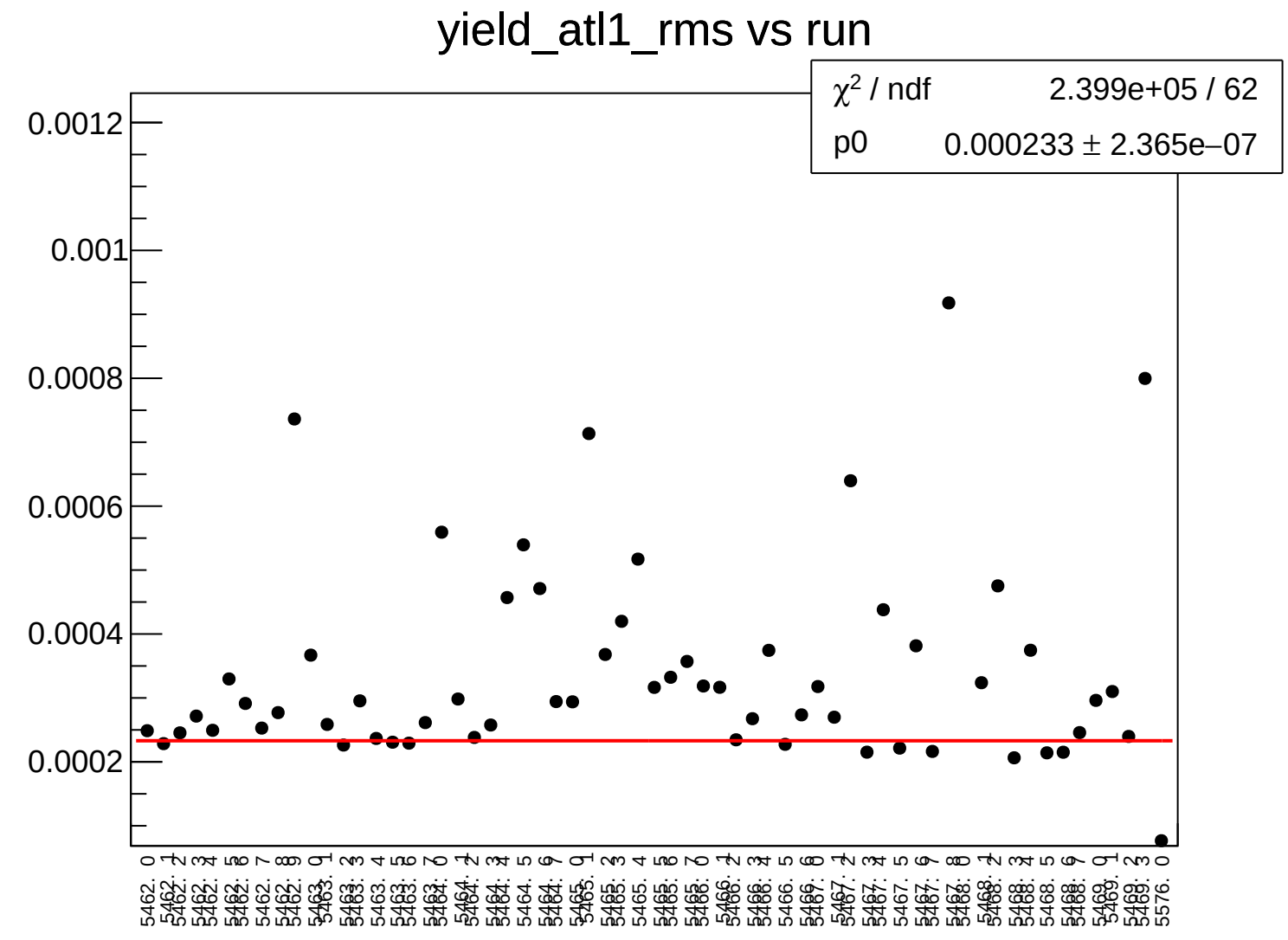

yield_dsr_mean vs run
χ² / ndf 3.343e+05 / 62
p0 −25.34 ± 7.508e−05
pull
Entries 63
Mean 24.36
Std Dev 33.47

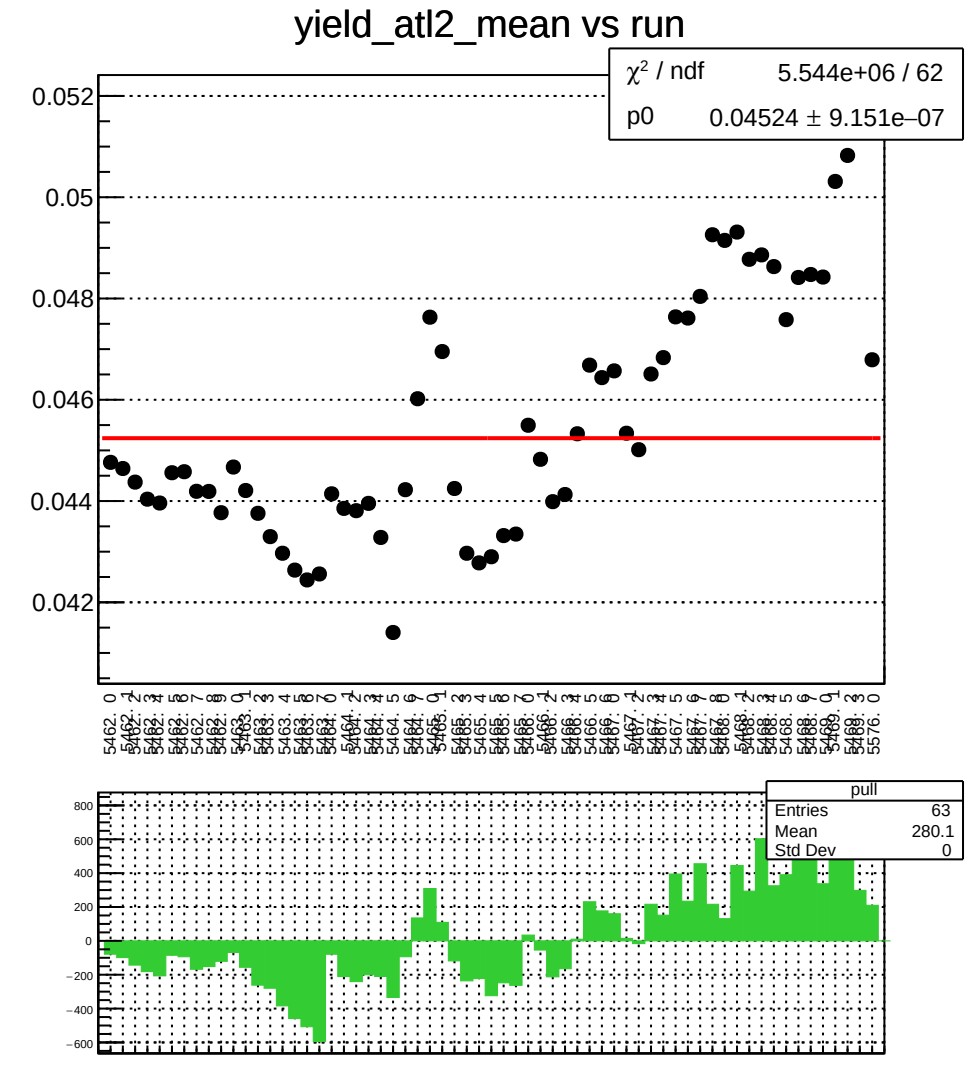

pull1D
Entries 63
Mean −1.55
Std Dev 4.193

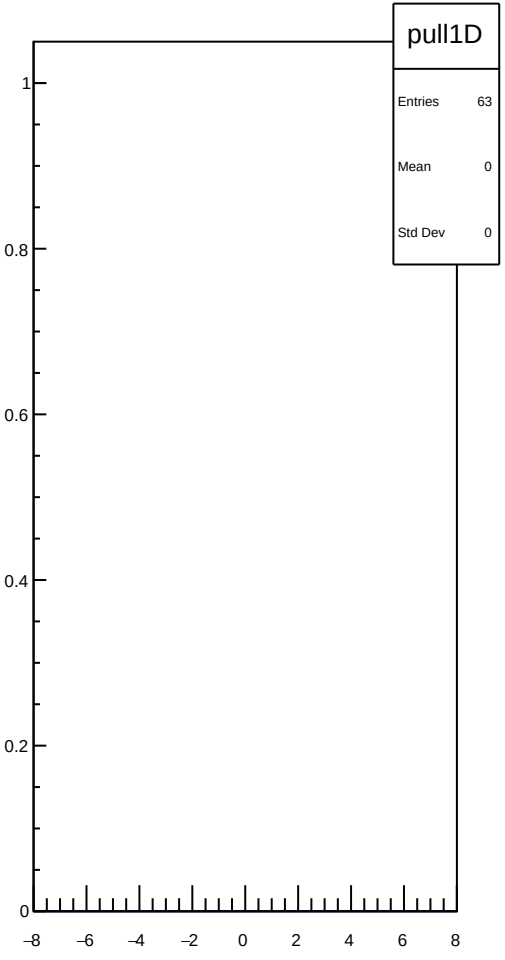

yield_dsr_rms vs run
χ² / ndf 4.665e+04 / 62
p0 0.05728 ± 5.309e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

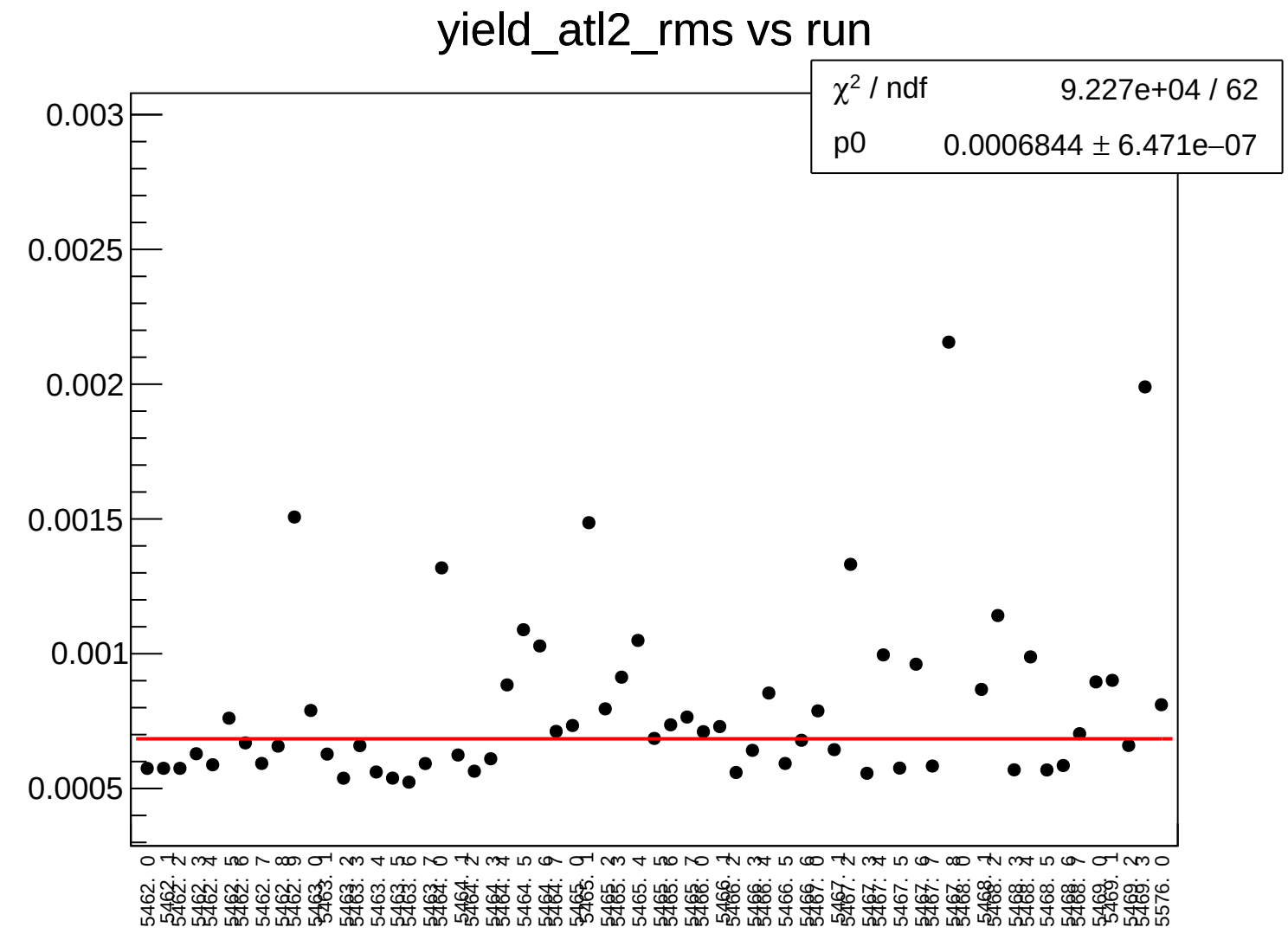

yield_atl1_mean vs run
χ² / ndf 1.565e+08 / 62
p0 0.01909 ± 3.344e−07
0.024
0.022
0.02
0.018
0.016
0.014
0.012
pull
Entries 63
Mean 10.82
Std Dev 0
2000
0
−2000
−4000
−6000
−8000
−10000

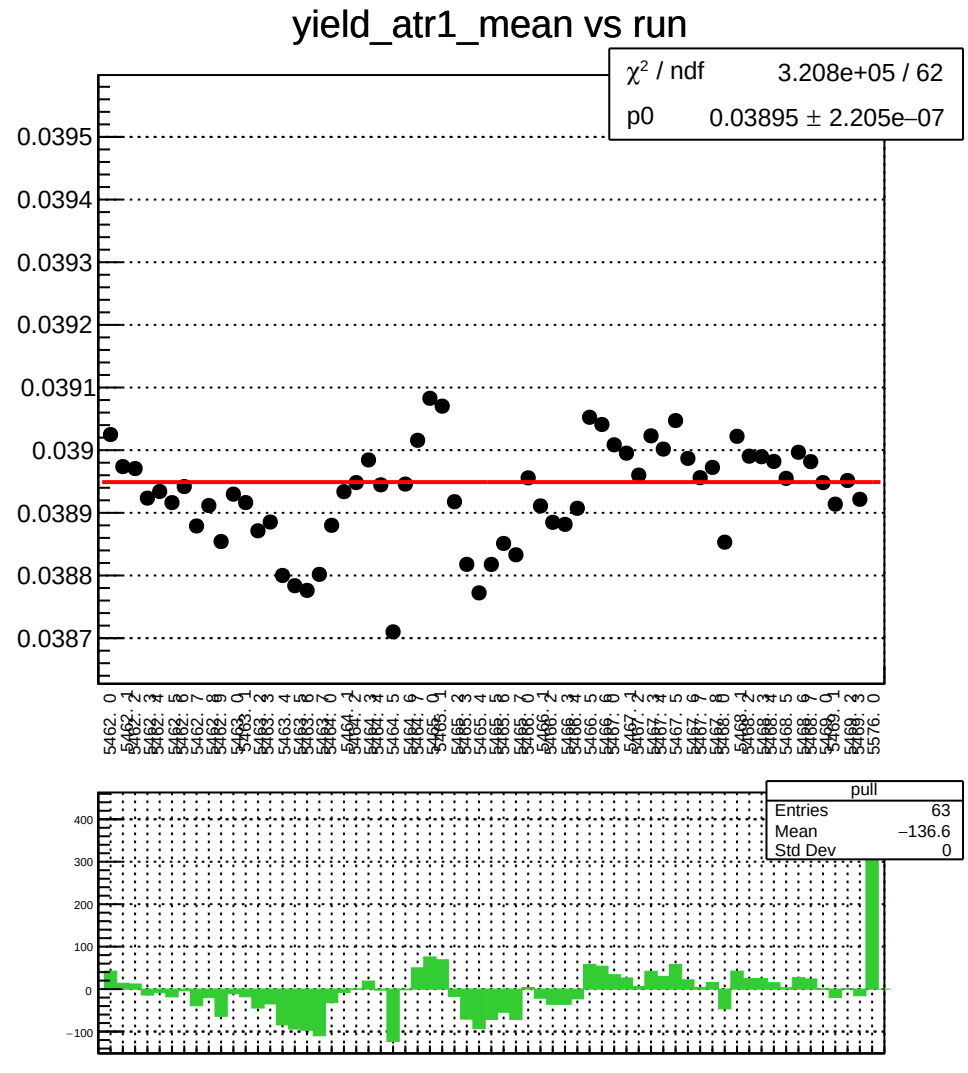

pull1D
Entries 63
Mean 1.753
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

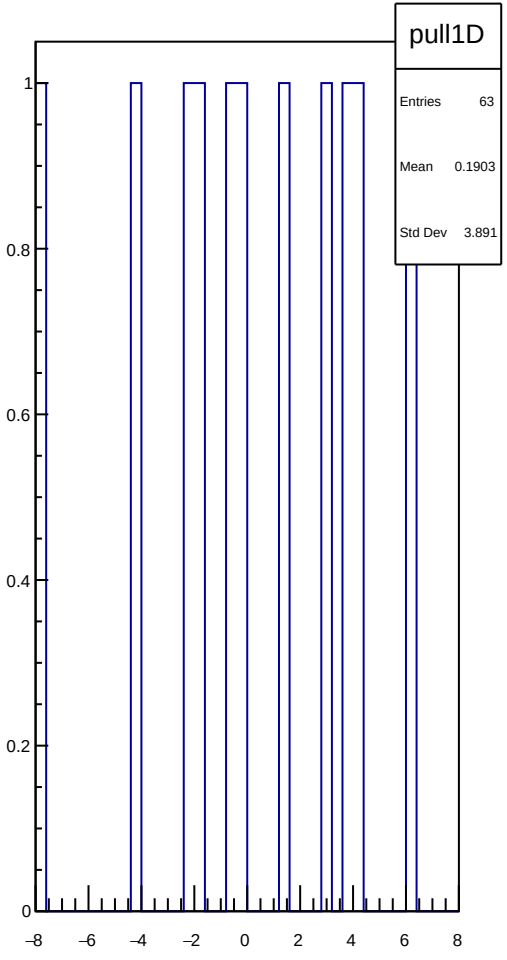

yield_atl1_rms vs run
χ² / ndf 2.399e+05 / 62
p0 0.000233 ± 2.365e−07
0.0012
0.001
0.0008
0.0006
0.0004
0.0002

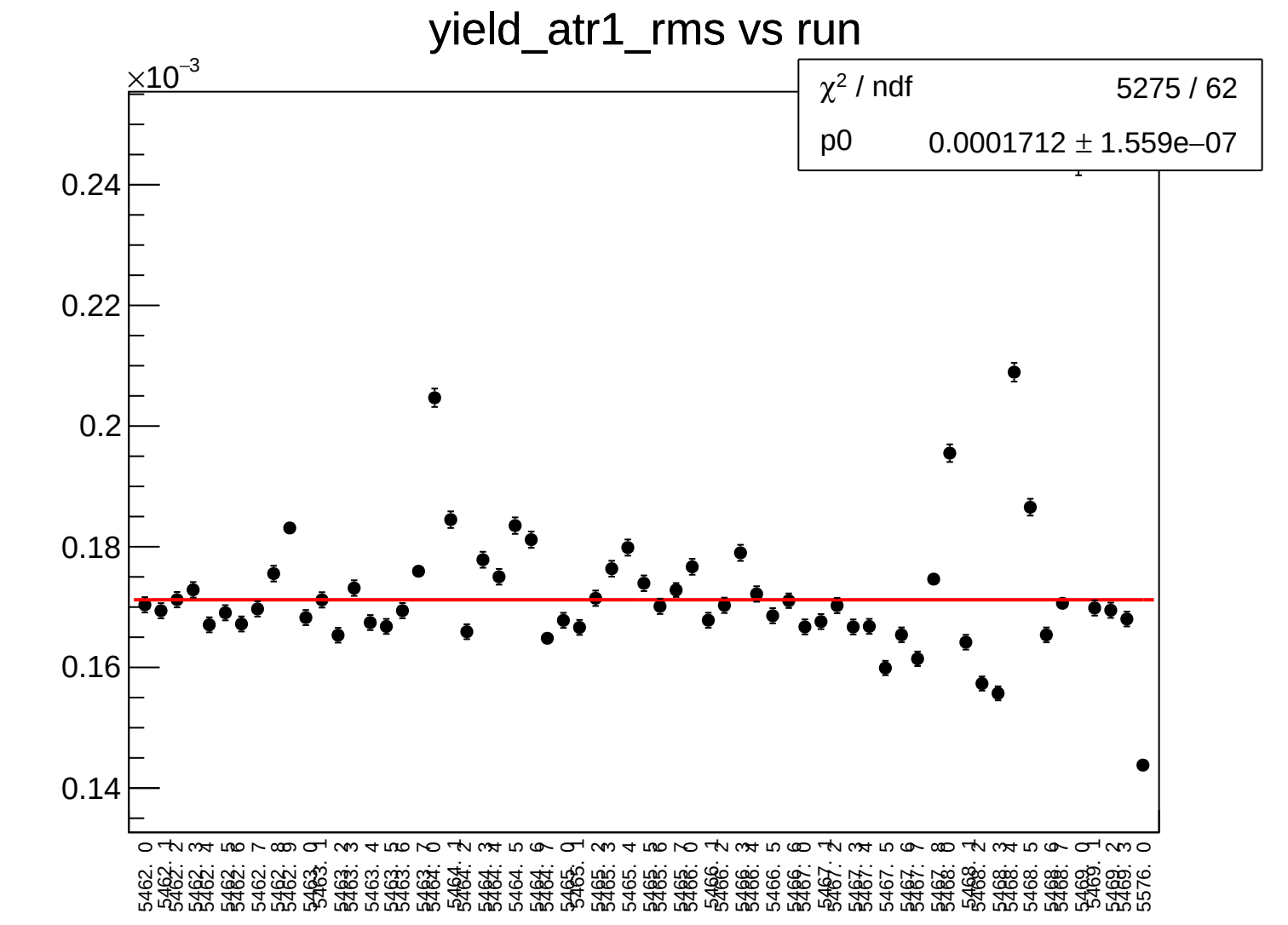

yield_atl2_mean vs run
χ² / ndf 5.544e+06 / 62
p0 0.04524 ± 9.151e−07
0.052
0.05
0.048
0.046
0.044
0.042
pull
Entries 63
Mean 280.1
Std Dev 0
800
600
400
200
0
−200
−400
−600

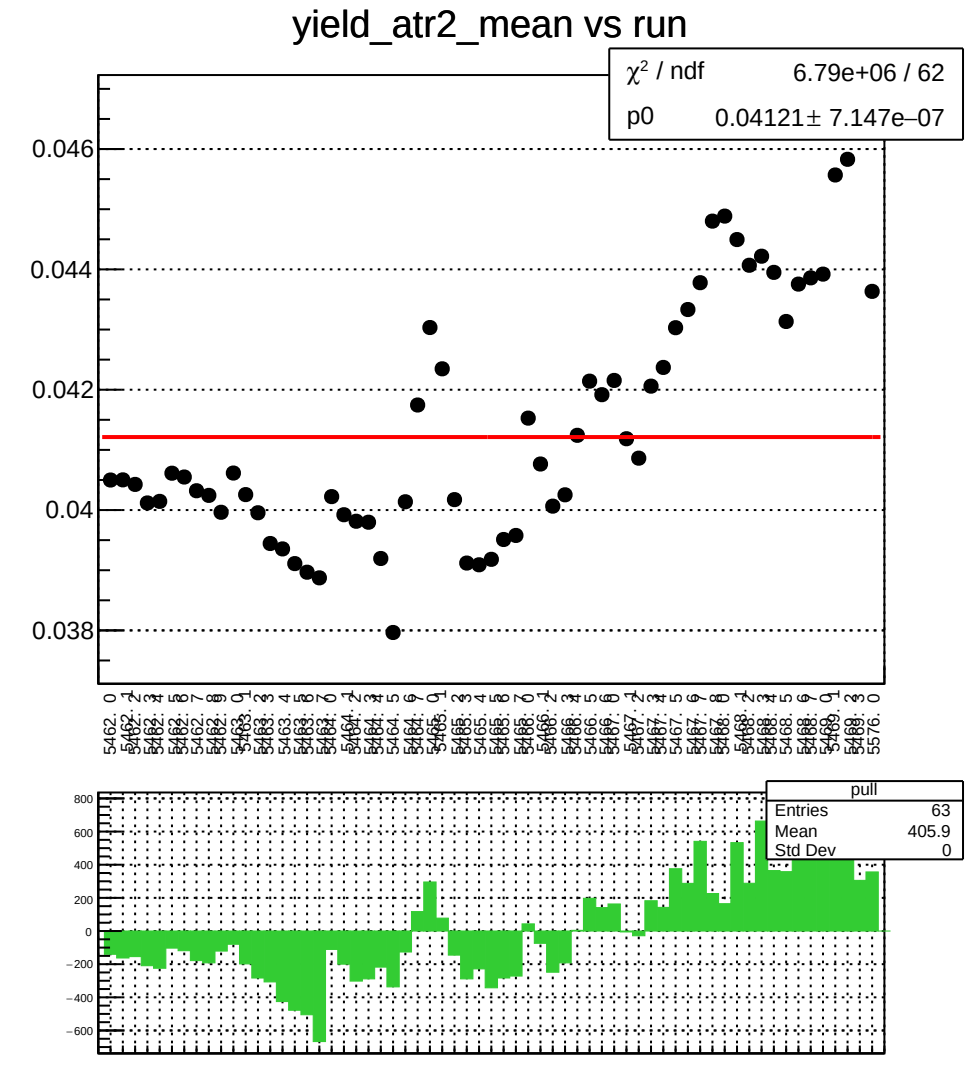

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

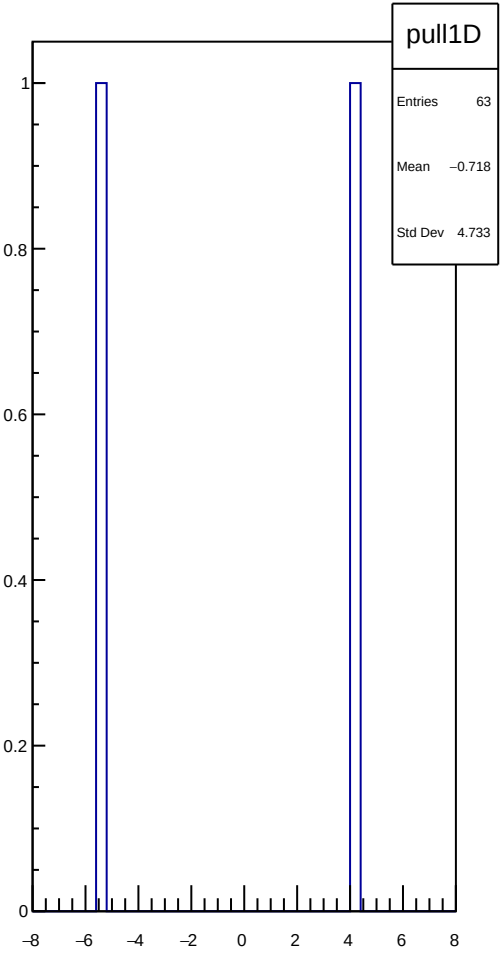

yield_atl2_rms vs run
χ² / ndf 9.227e+04 / 62
p0 0.0006844 ± 6.471e−07
0.003
0.0025
0.002
0.0015
0.001
0.0005

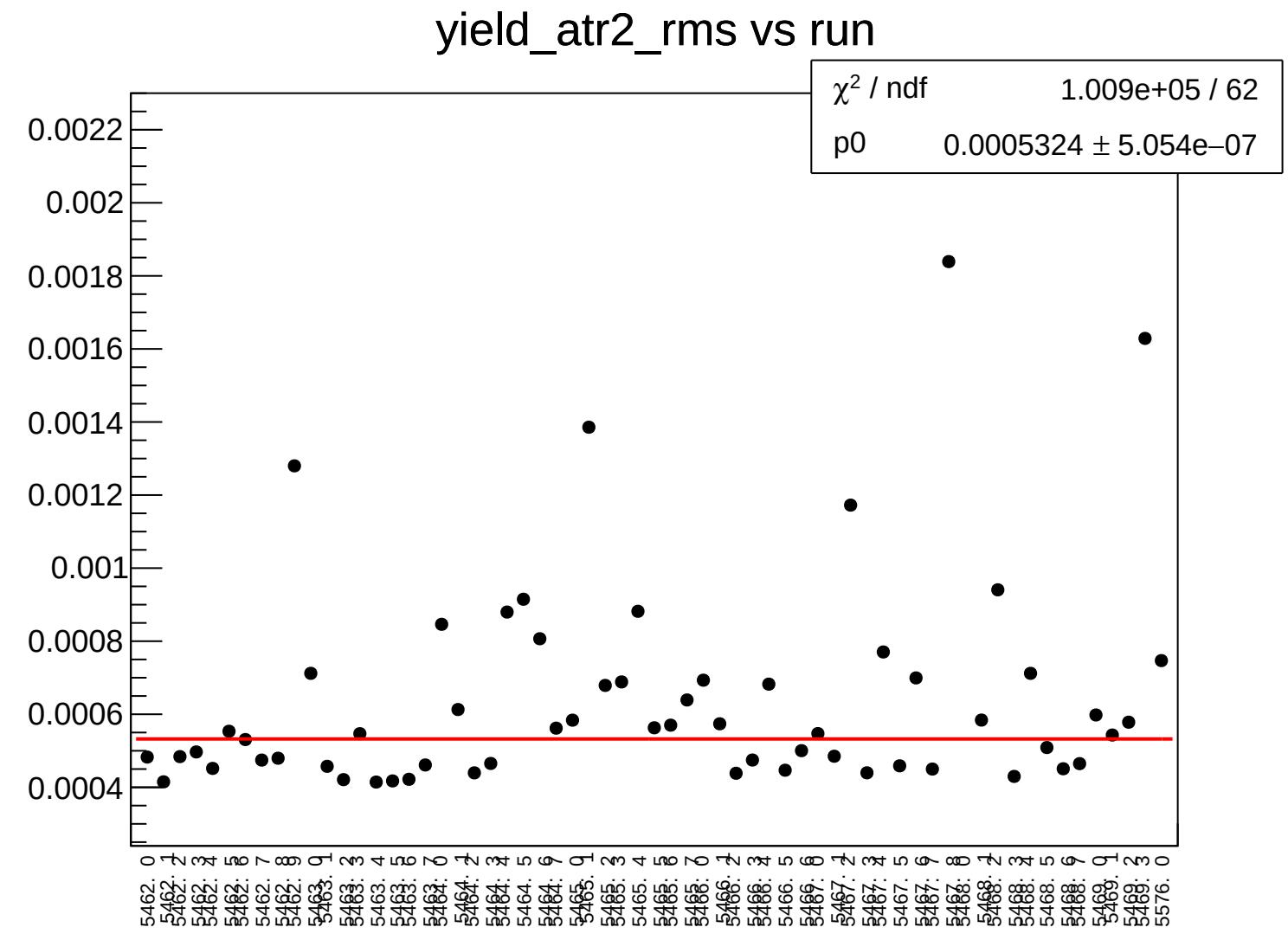

yield_atr1_mean vs run
χ² / ndf 3.208e+05 / 62
p0 0.03895 ± 2.205e−07
0.0395
0.0394
0.0393
0.0392
0.0391
0.039
0.0389
0.0388
0.0387
pull
Entries 63
Mean −136.6
Std Dev 0
400
300
200
100
0
−100

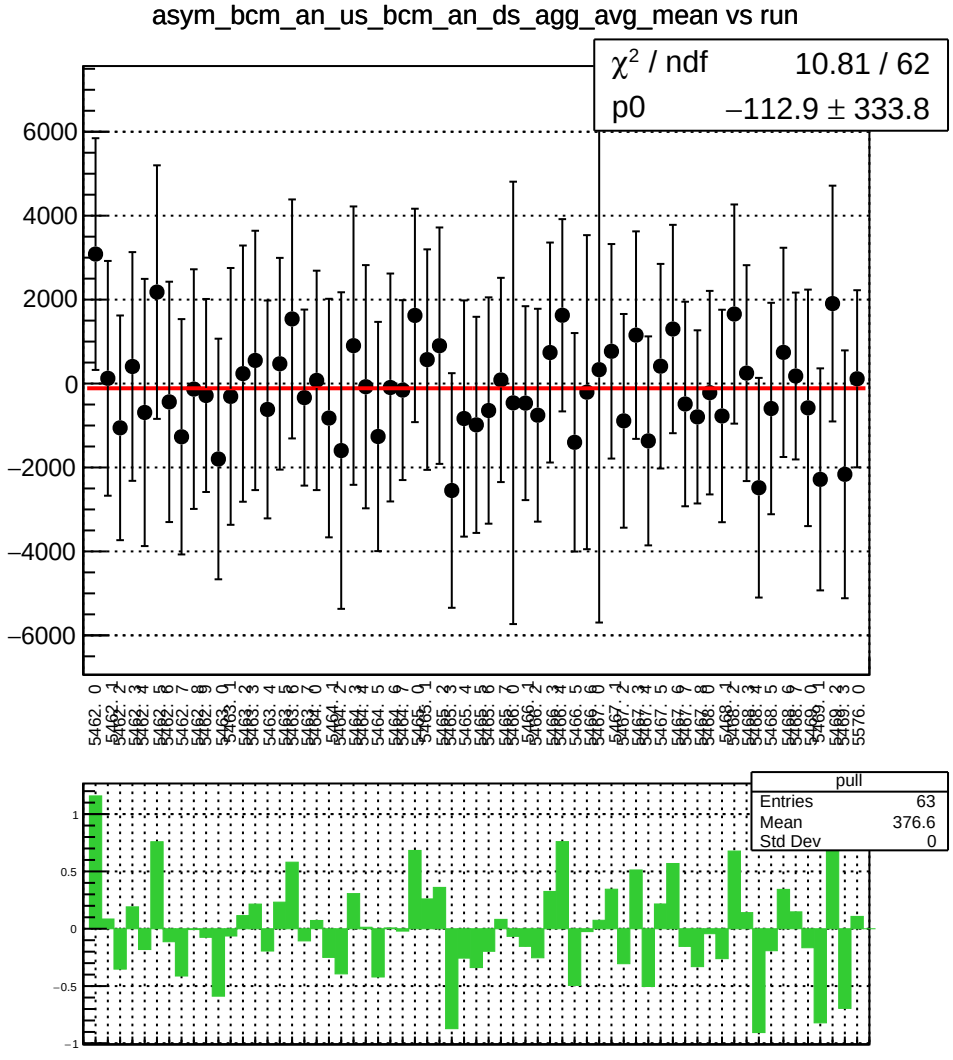

pull1D
Entries 63
Mean 0.1903
Std Dev 3.891
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

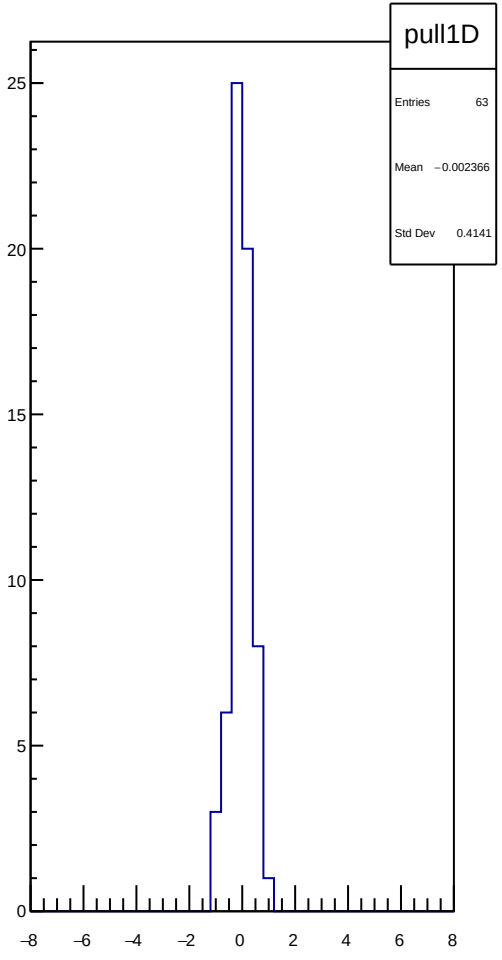

yield_atr1_rms vs run
×10⁻³
χ² / ndf 5275 / 62
p0 0.0001712 ± 1.559e−07
0.24
0.22
0.2
0.18
0.16
0.14

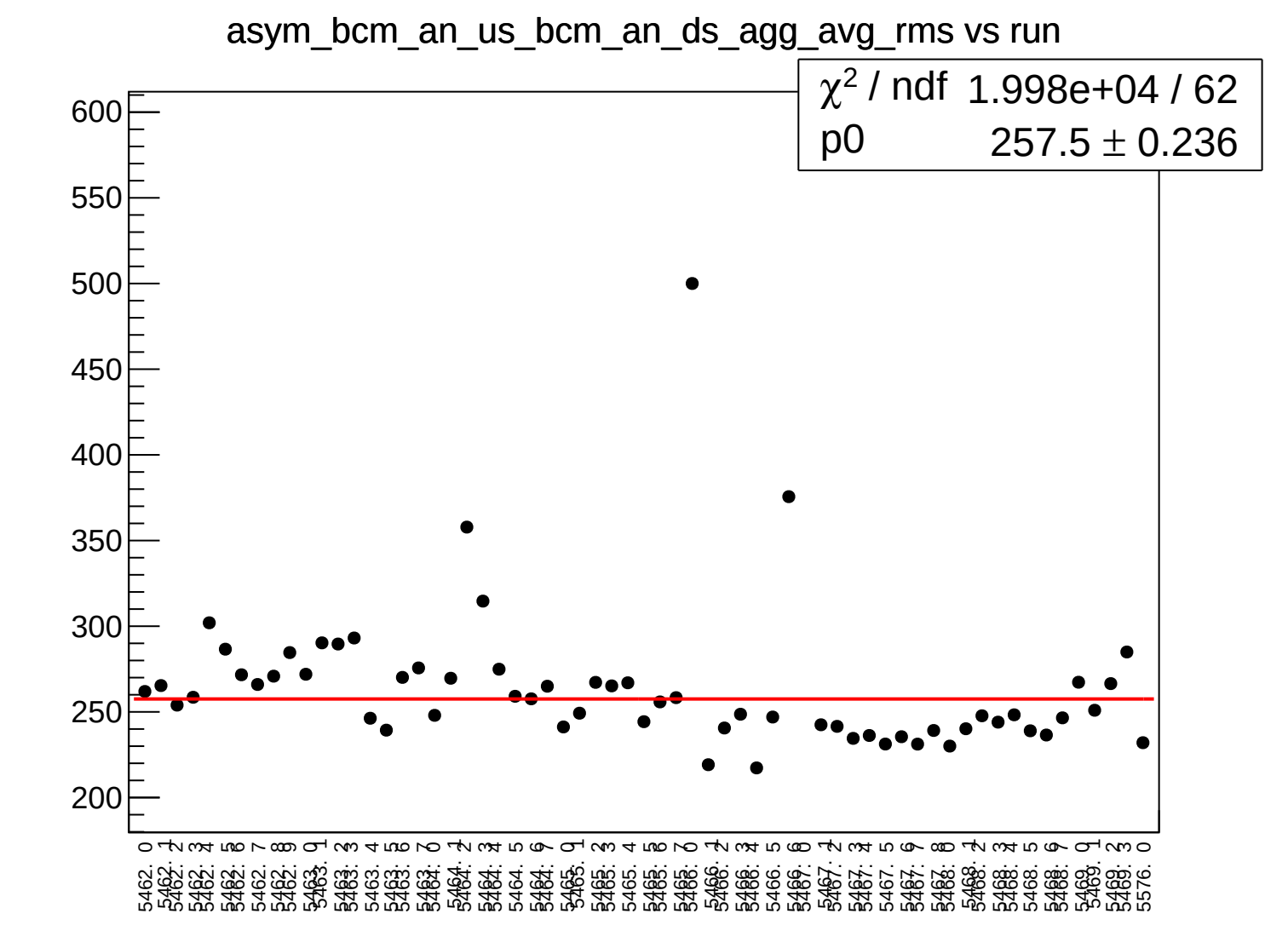

yield_atr2_mean vs run
χ² / ndf 6.79e+06 / 62
p0 0.04121± 7.147e−07
0.046
0.044
0.042
0.04
0.038
pull
Entries 63
Mean 405.9
Std Dev 0
800
600
400
200
0
−200
−400
−600

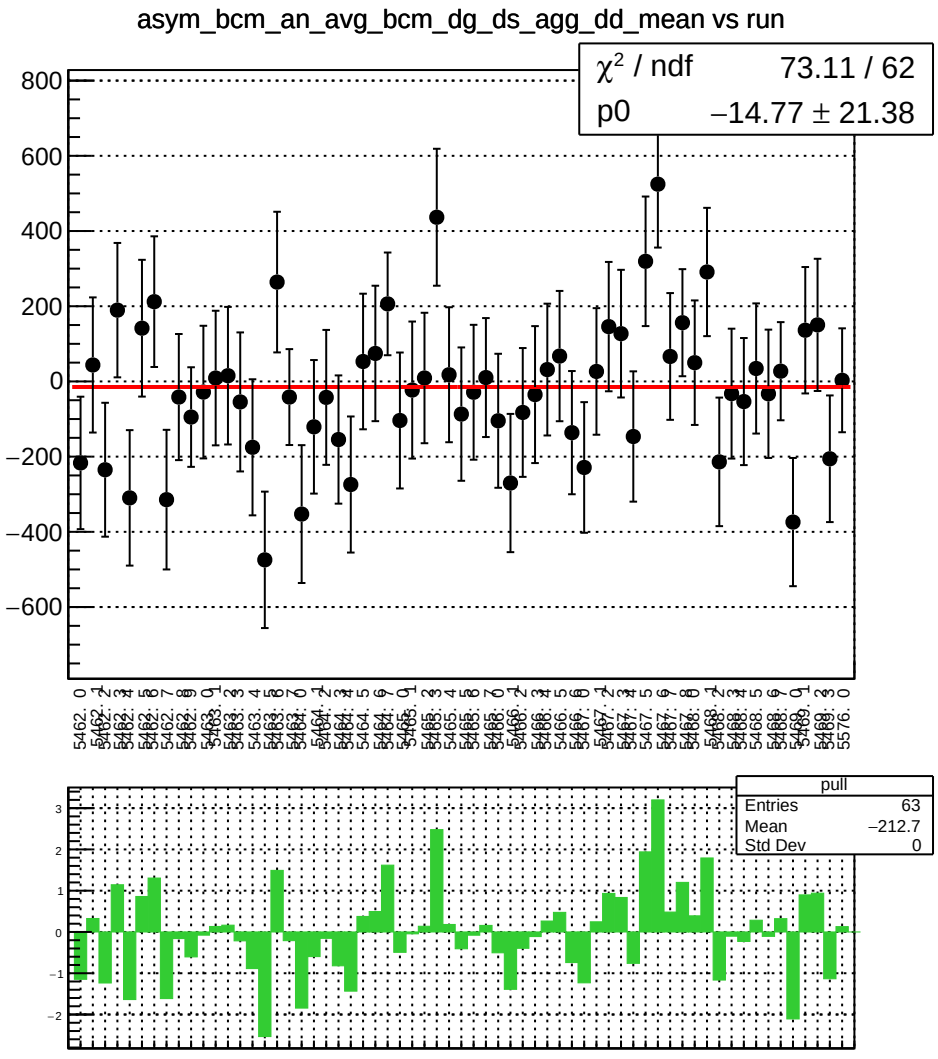

pull1D
Entries 63
Mean −0.718
Std Dev 4.733
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

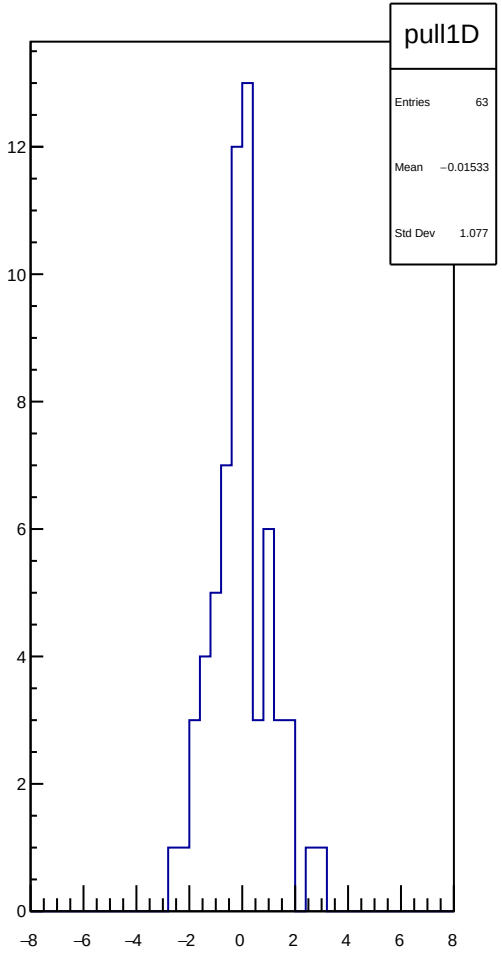

yield_atr2_rms vs run
χ² / ndf 1.009e+05 / 62
p0 0.0005324 ± 5.054e−07
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

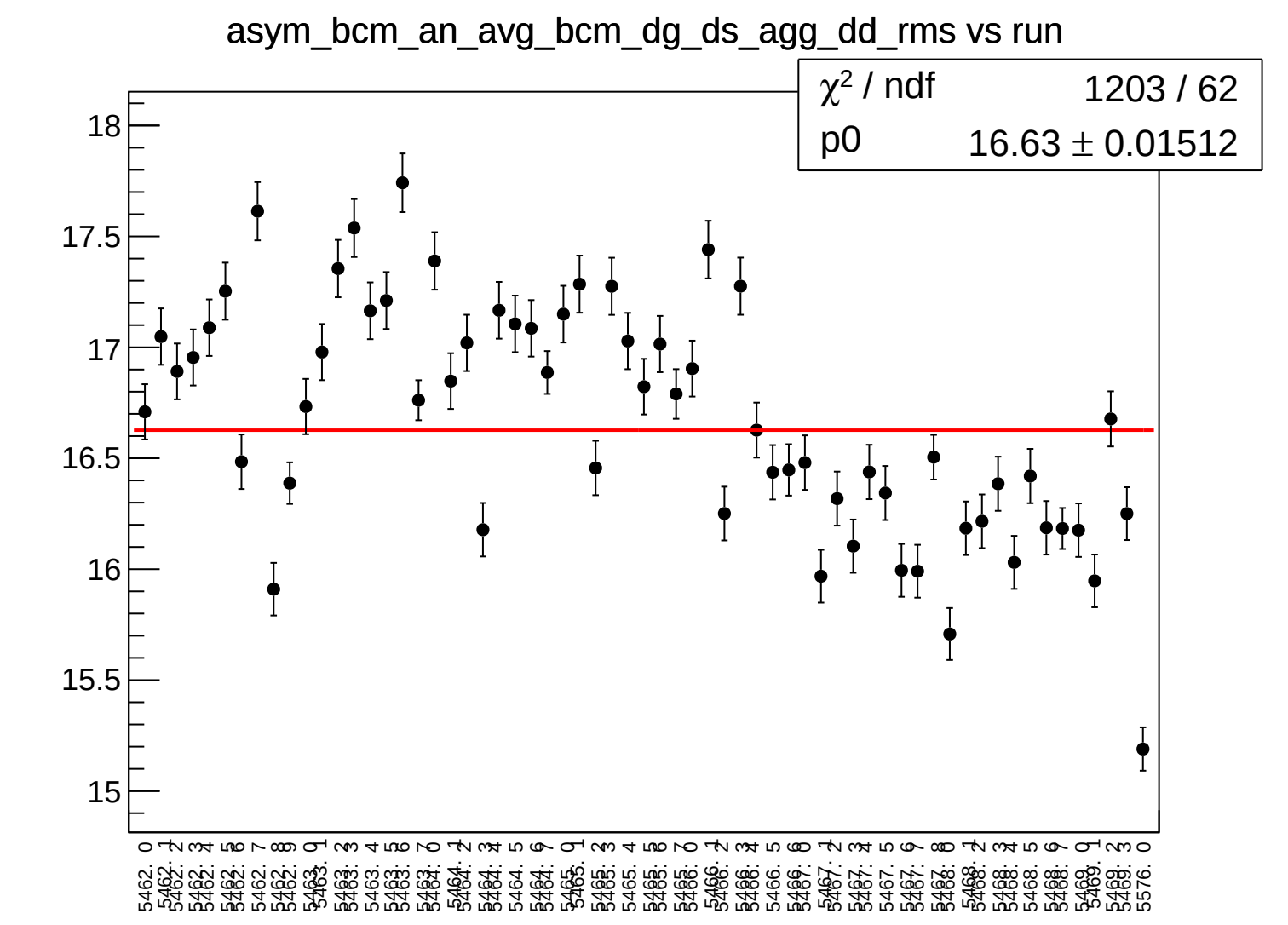

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.81 / 62
p0 −112.9 ± 333.8
pull
Entries 63
Mean 376.6
Std Dev 0

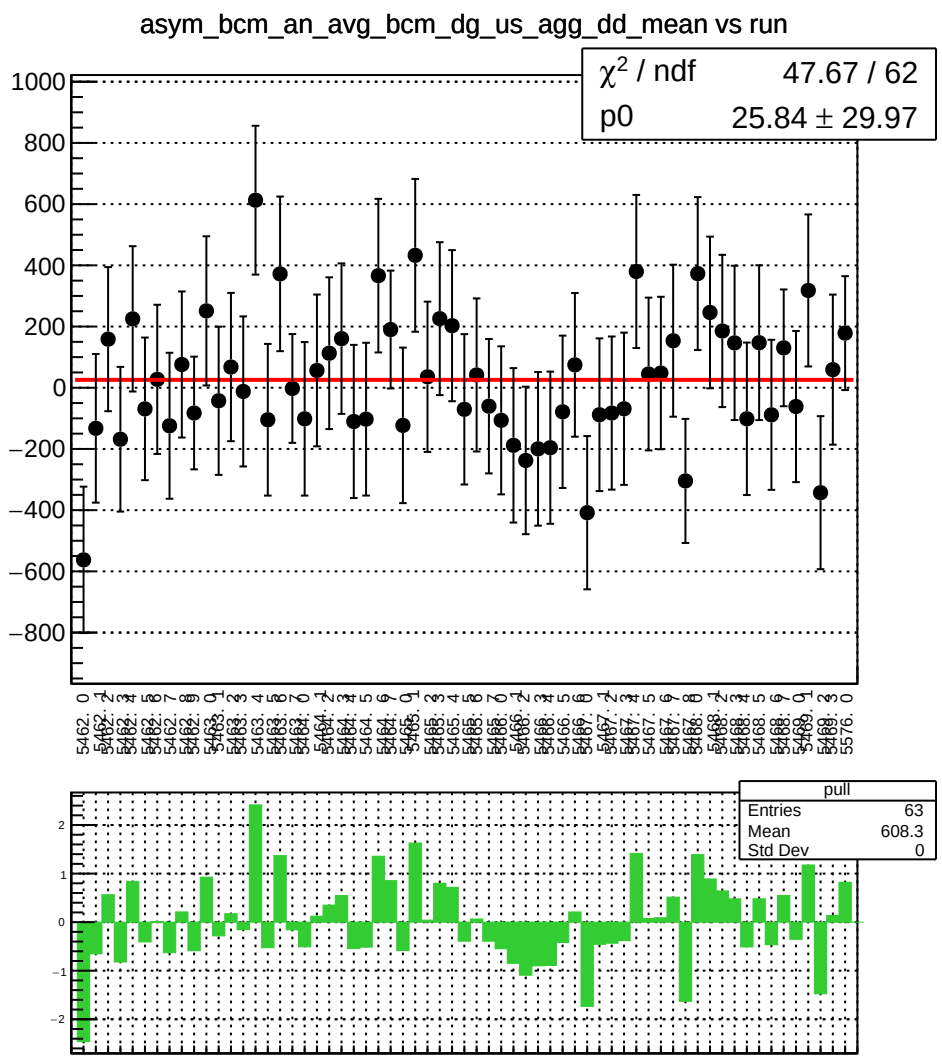

pull1D
Entries 63
Mean −0.002366
Std Dev 0.4141

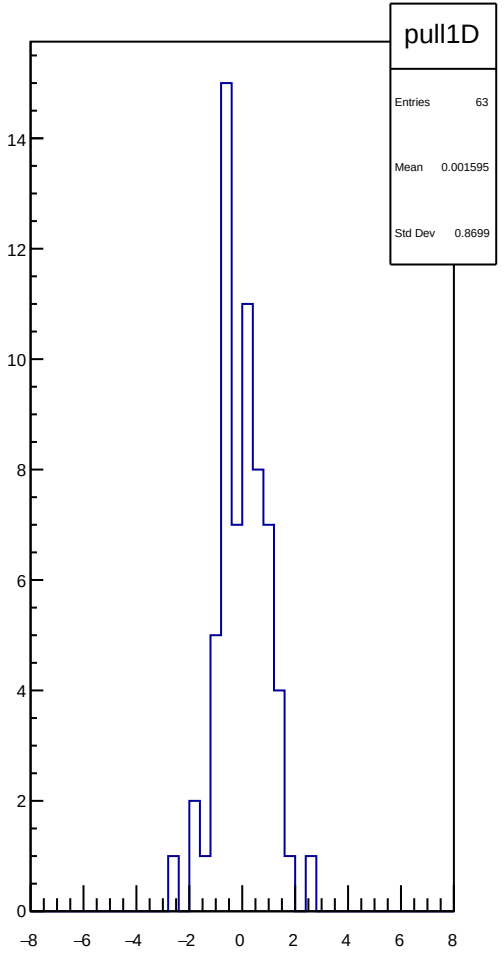

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.998e+04 / 62
p0 257.5 ± 0.236
600
550
500
450
400
350
300
250
200

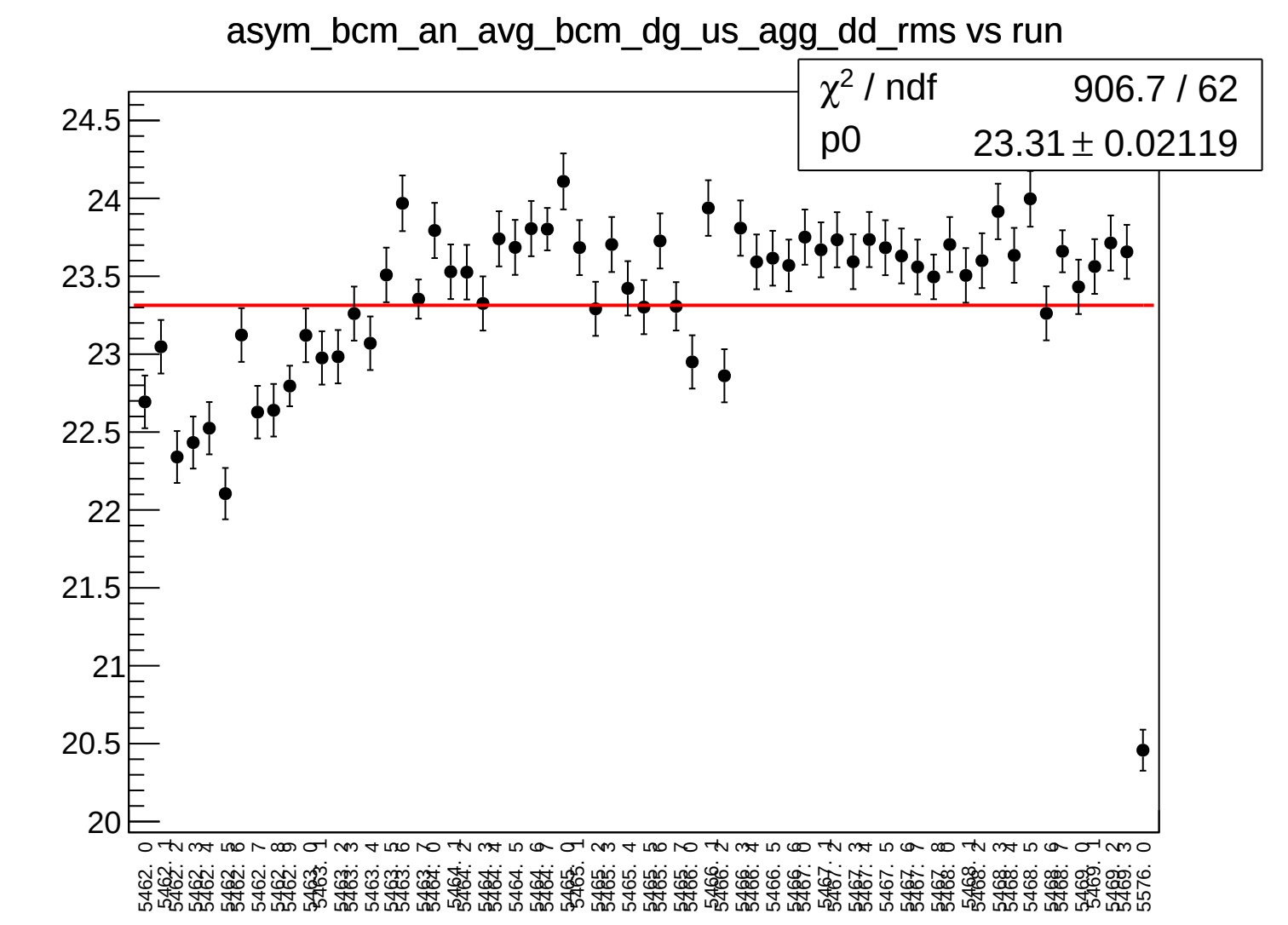

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 73.11 / 62
p0 −14.77 ± 21.38
pull
Entries 63
Mean −212.7
Std Dev 0

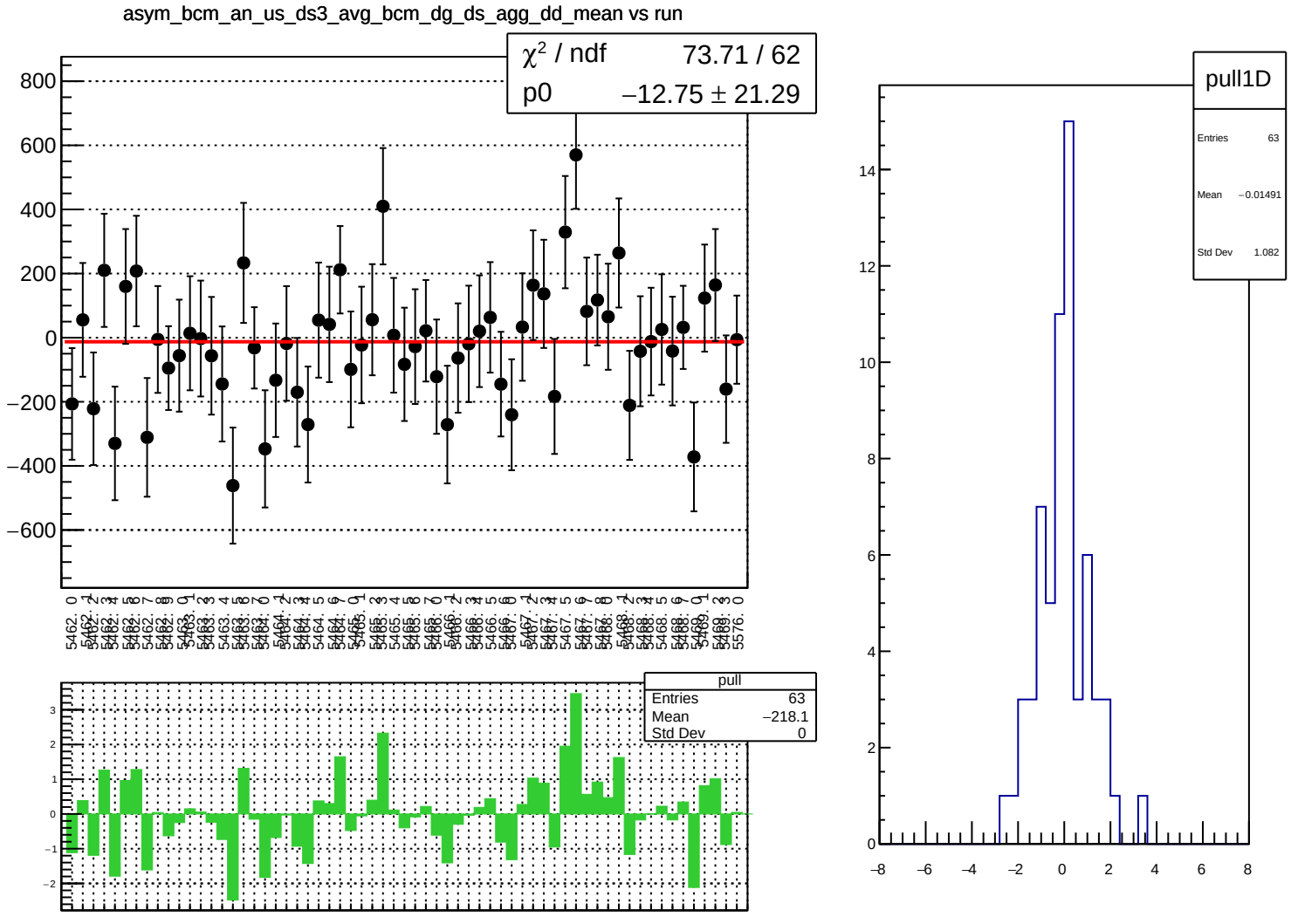

pull1D
Entries 63
Mean −0.01533
Std Dev 1.077

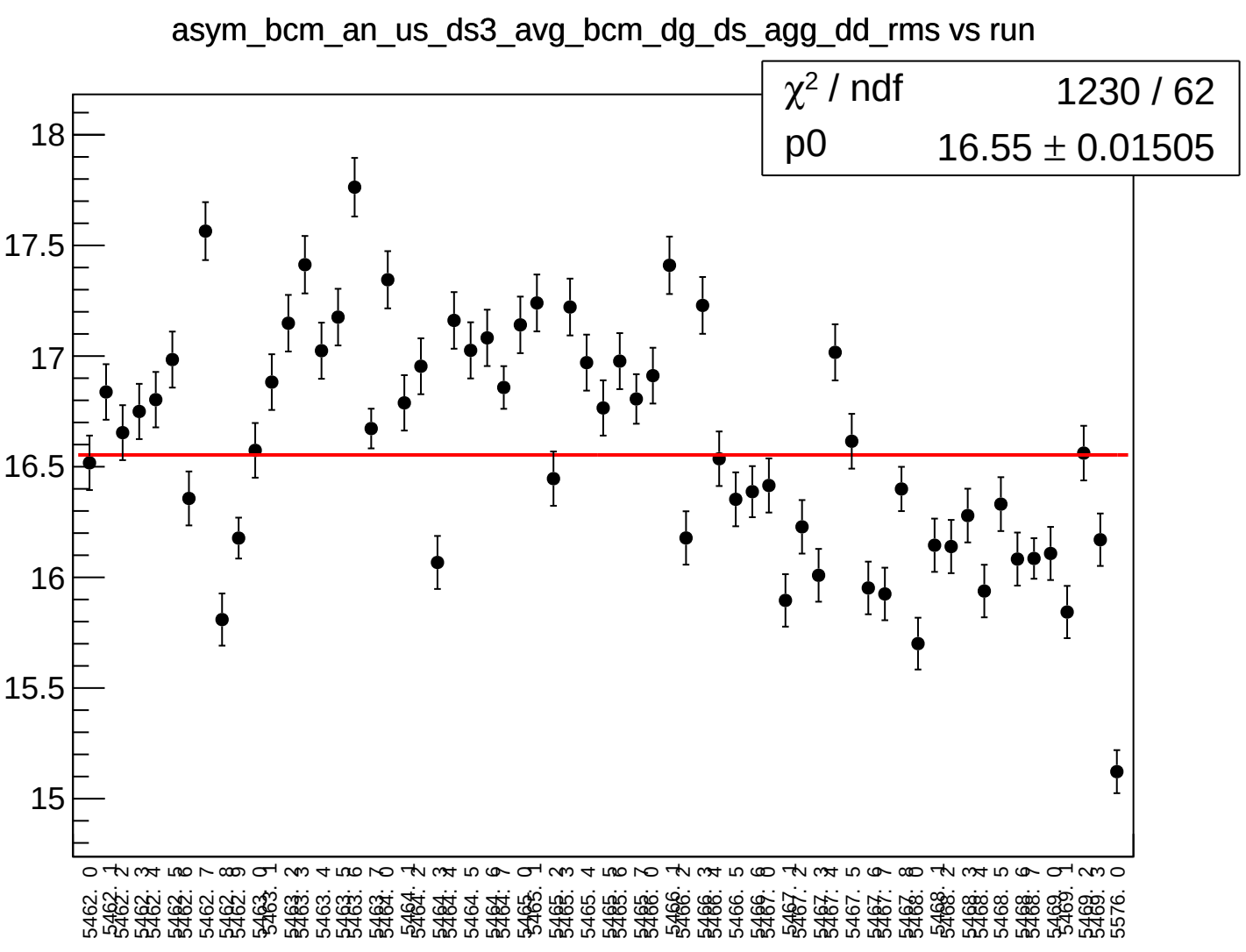

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1203 / 62
p0 16.63 ± 0.01512
18
17.5
17
16.5
16
15.5
15

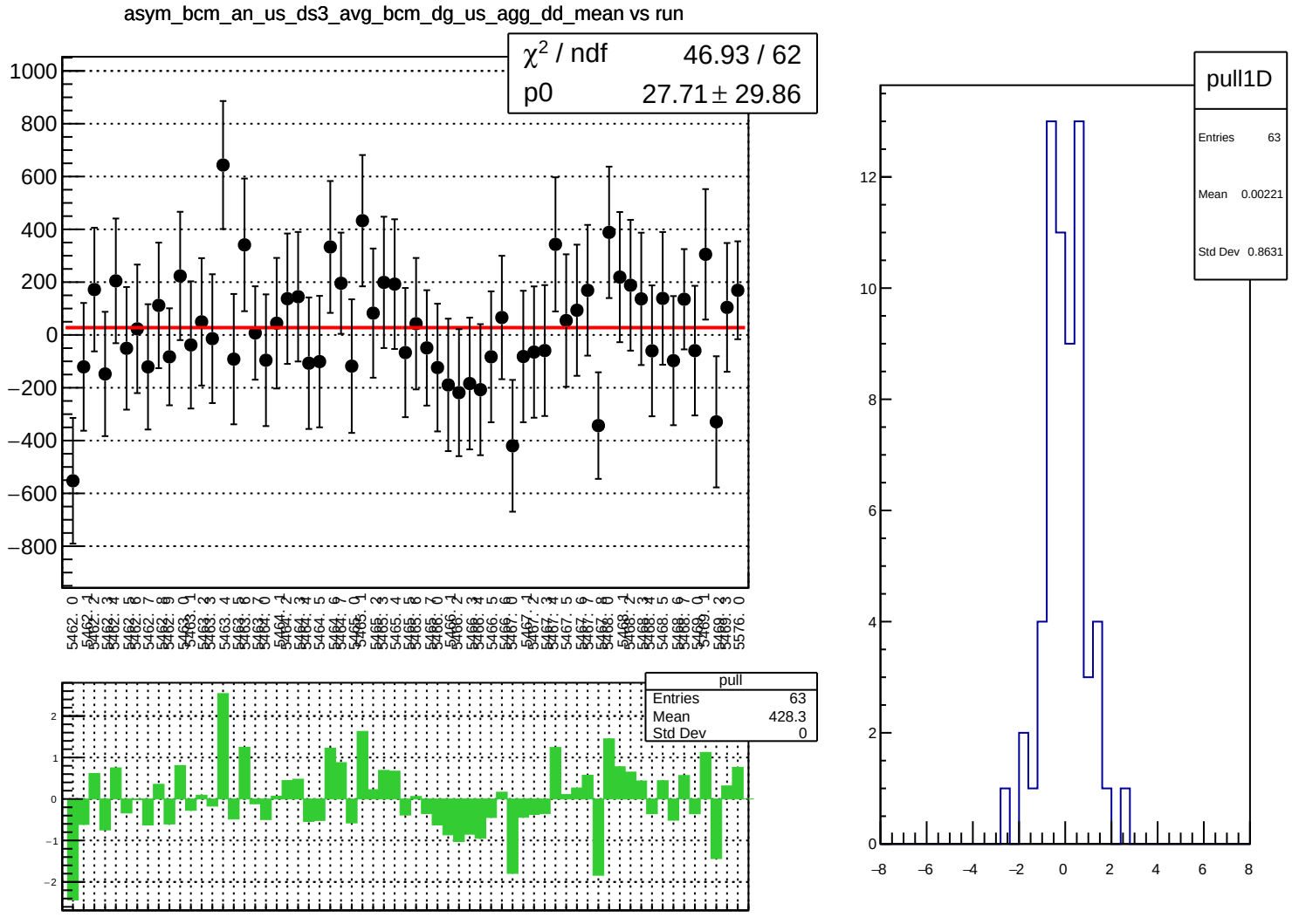

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 47.67 / 62
p0 25.84 ± 29.97
pull
Entries 63
Mean 608.3
Std Dev 0

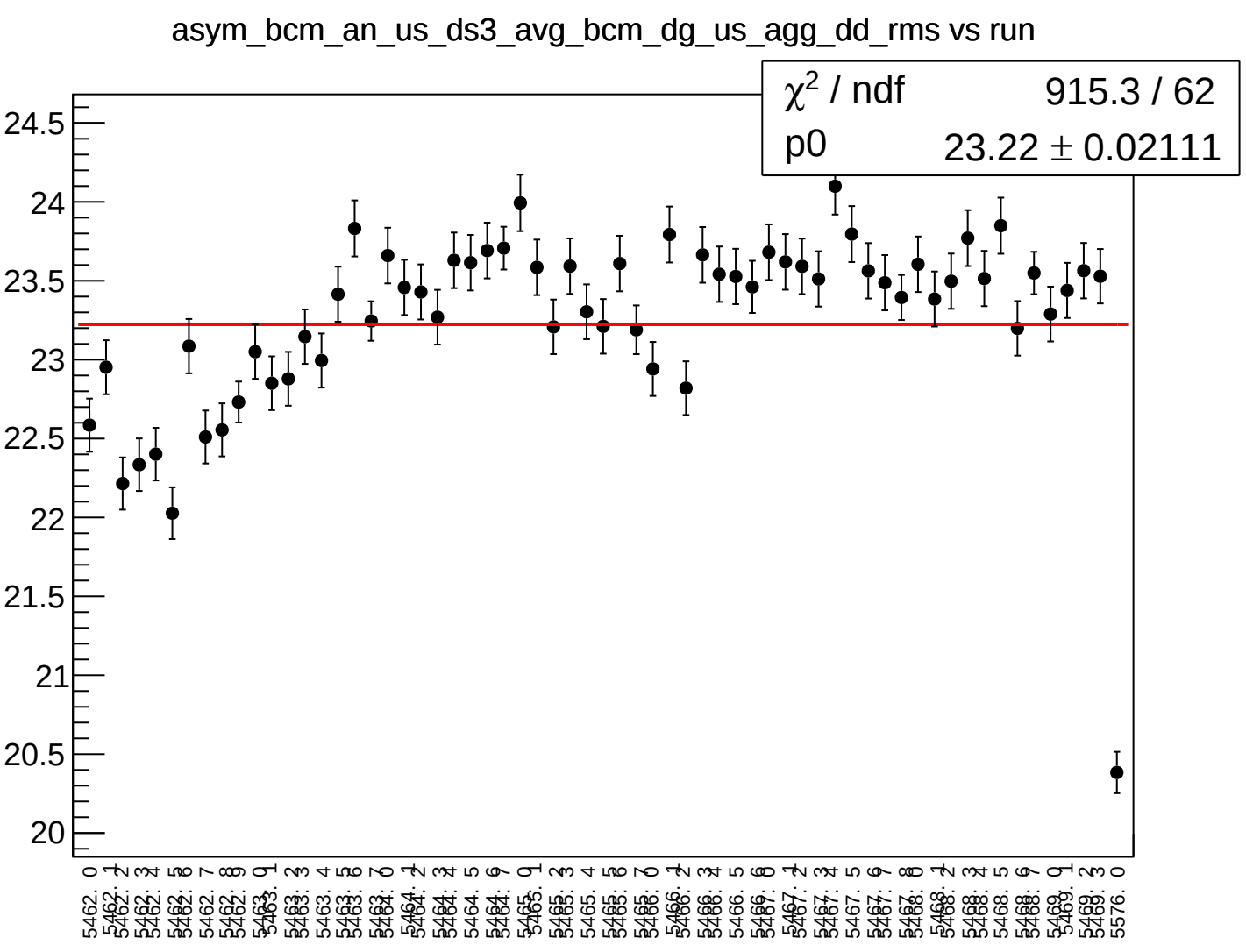

pull1D
Entries 63
Mean 0.001595
Std Dev 0.8699

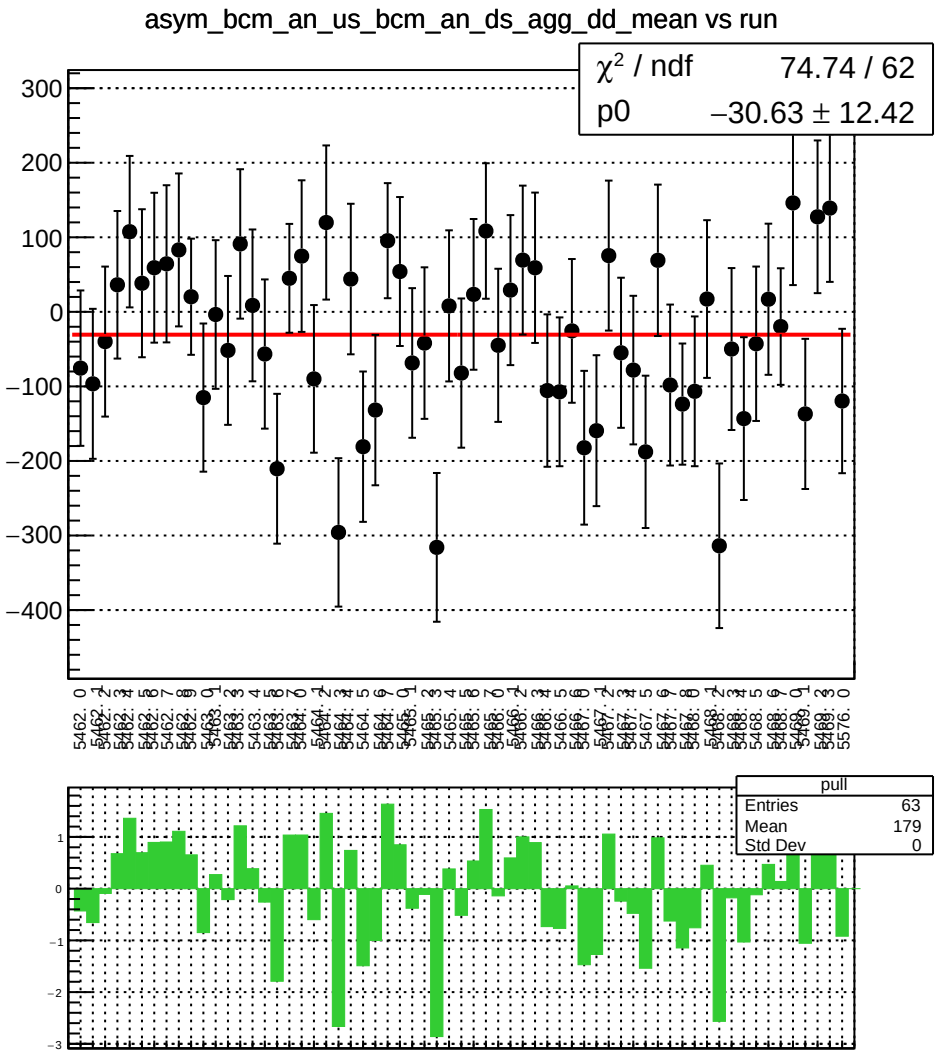

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 906.7 / 62
p0 23.31 ± 0.02119
24.5
24
23.5
23
22.5
22
21.5
21
20.5
20

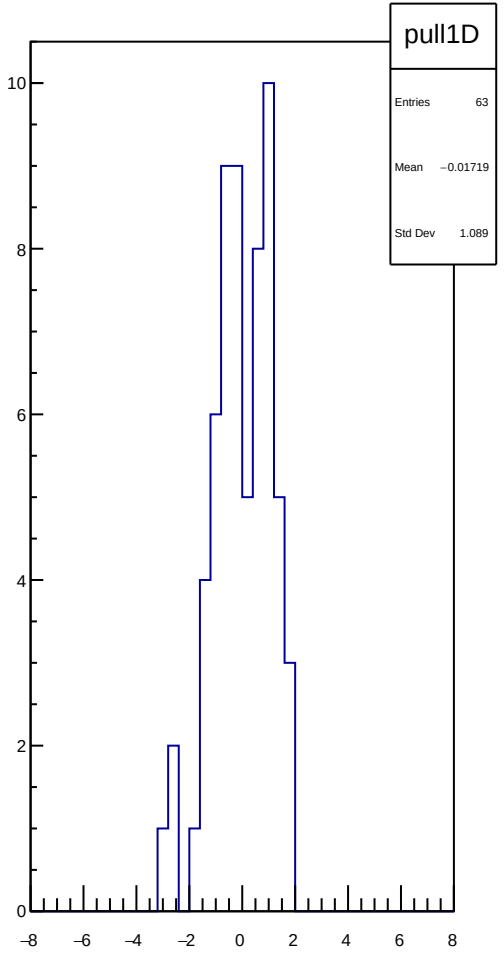

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 73.71 / 62
p0 −12.75 ± 21.29
pull
Entries 63
Mean −218.1
Std Dev 0
pull1D
Entries 63
Mean −0.01491
Std Dev 1.082

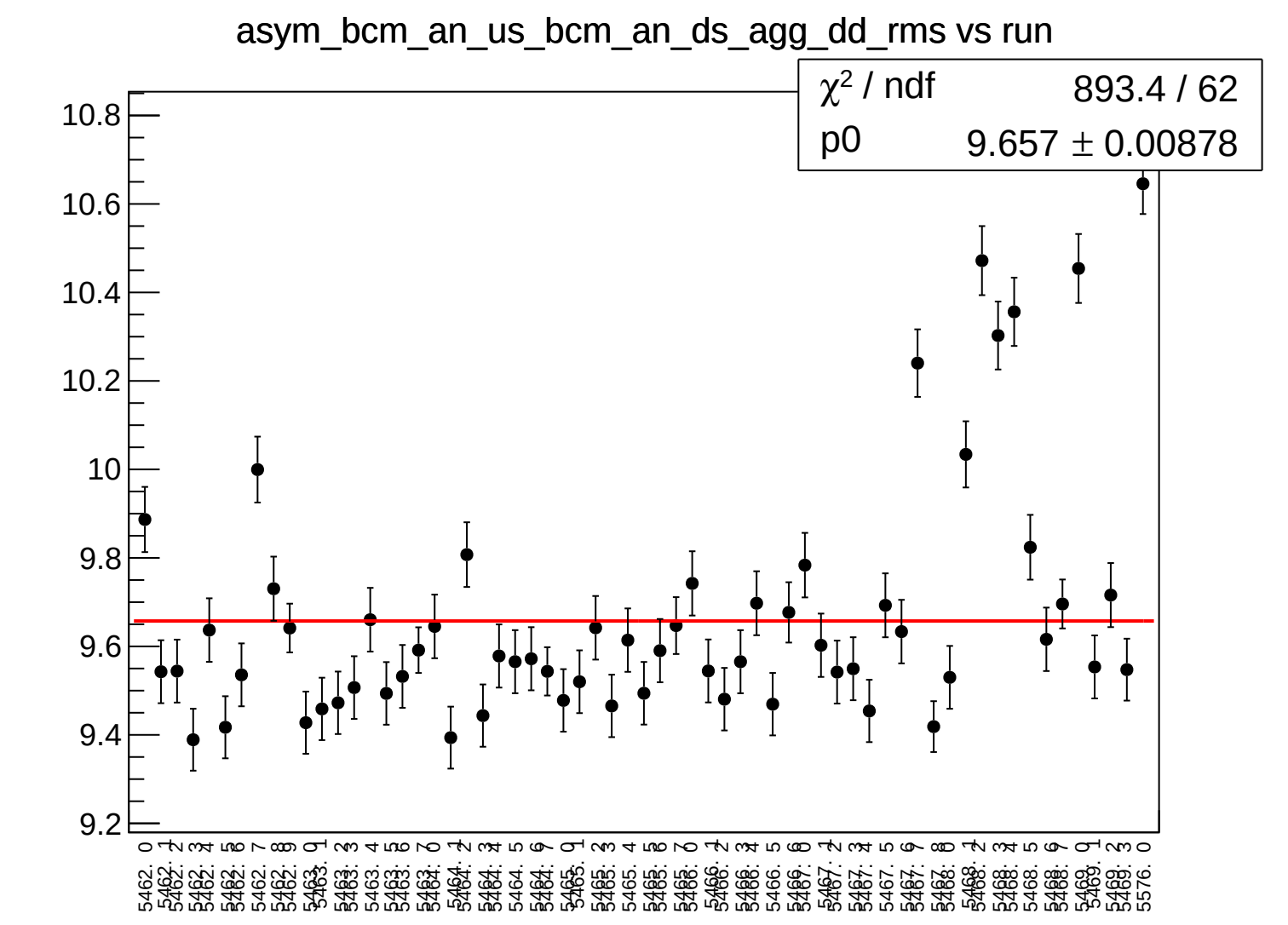

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1230 / 62
p0 16.55 ± 0.01505
18
17.5
17
16.5
16
15.5
15

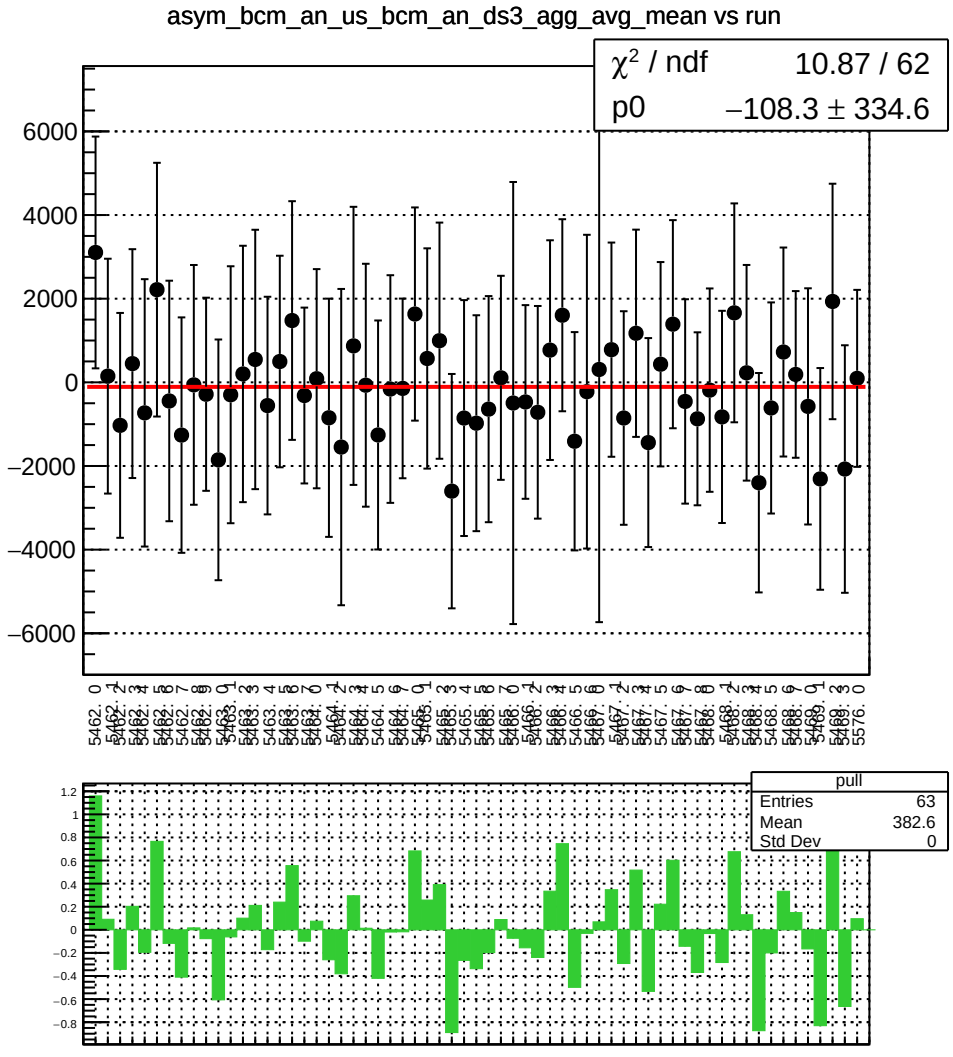

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 46.93 / 62
p0 27.71 ± 29.86
pull
Entries 63
Mean 428.3
Std Dev 0
pull1D
Entries 63
Mean 0.00221
Std Dev 0.8631

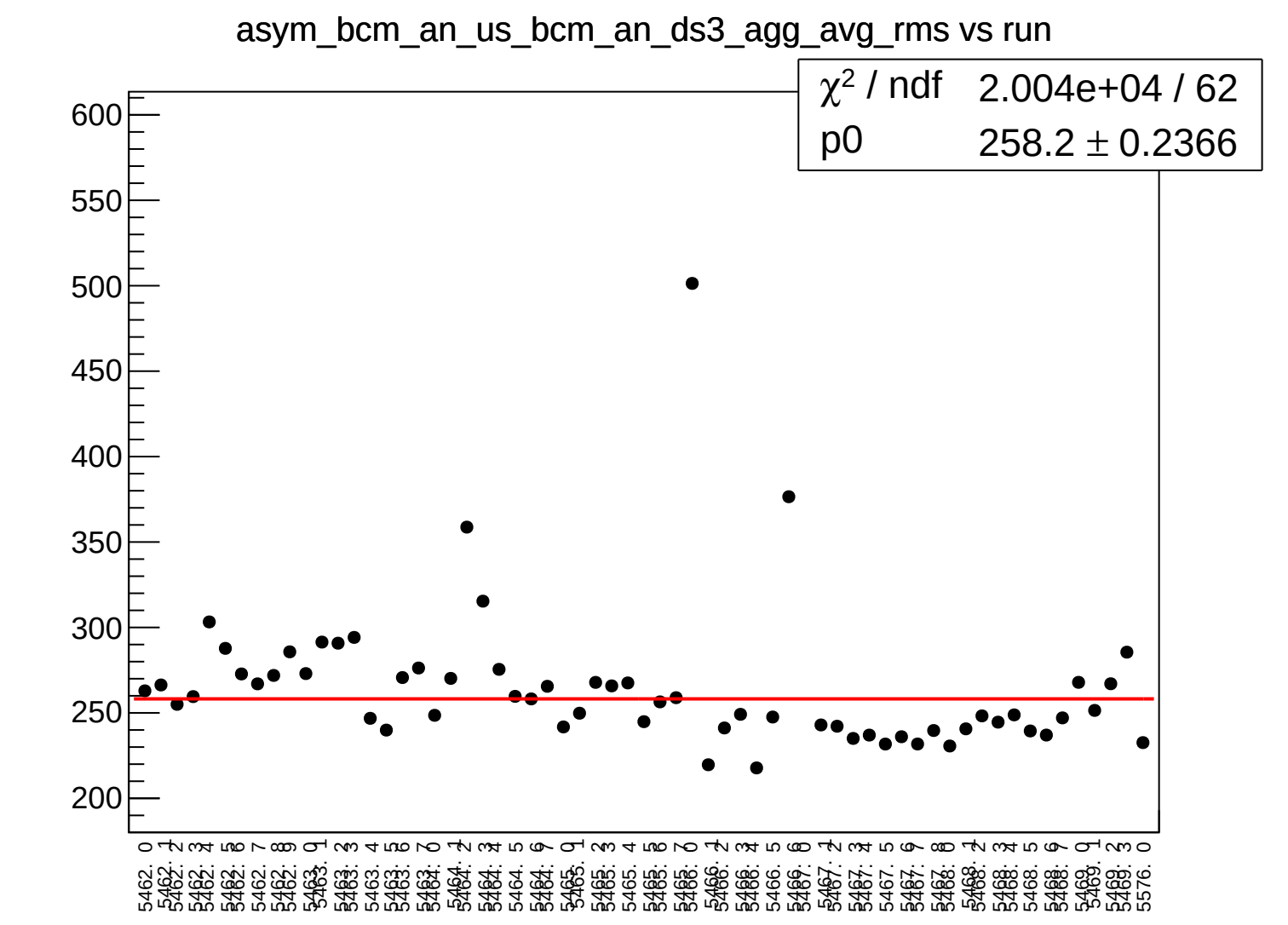

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 915.3 / 62
p0 23.22 ± 0.02111
24.5
24
23.5
23
22.5
22
21.5
21
20.5
20

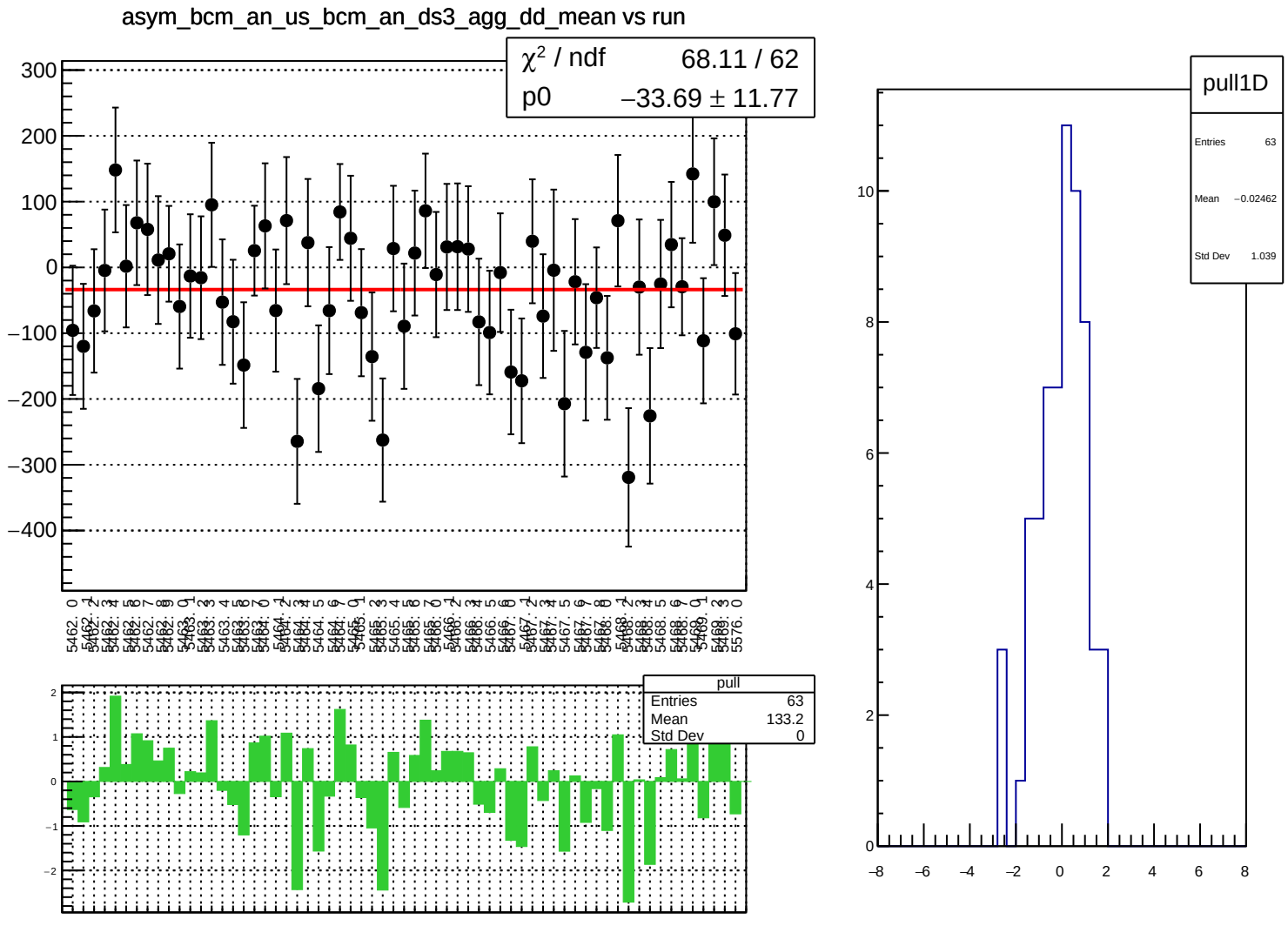

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 74.74 / 62
p0 −30.63 ± 12.42
pull
Entries 63
Mean 179
Std Dev 0

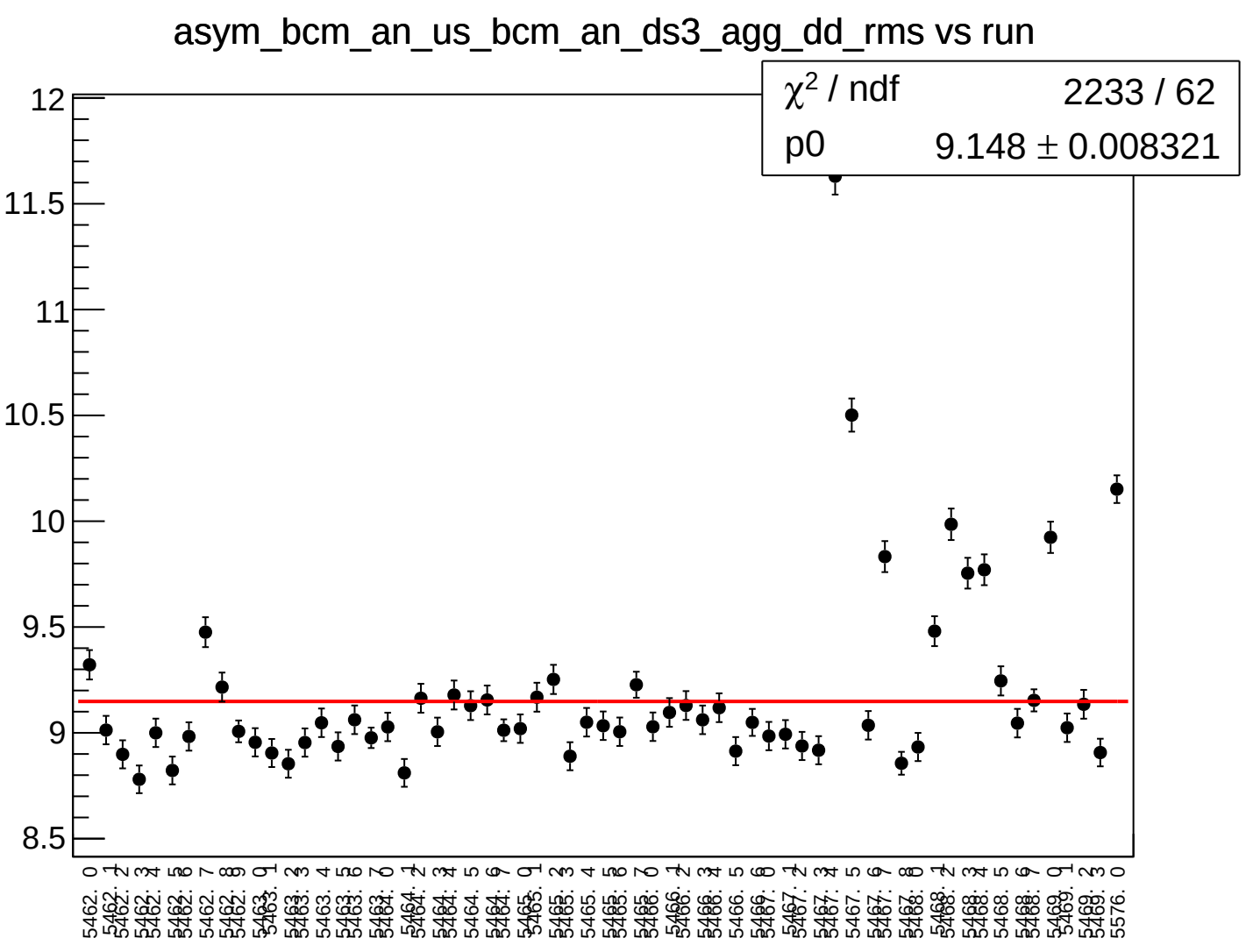

pull1D
Entries 63
Mean −0.01719
Std Dev 1.089

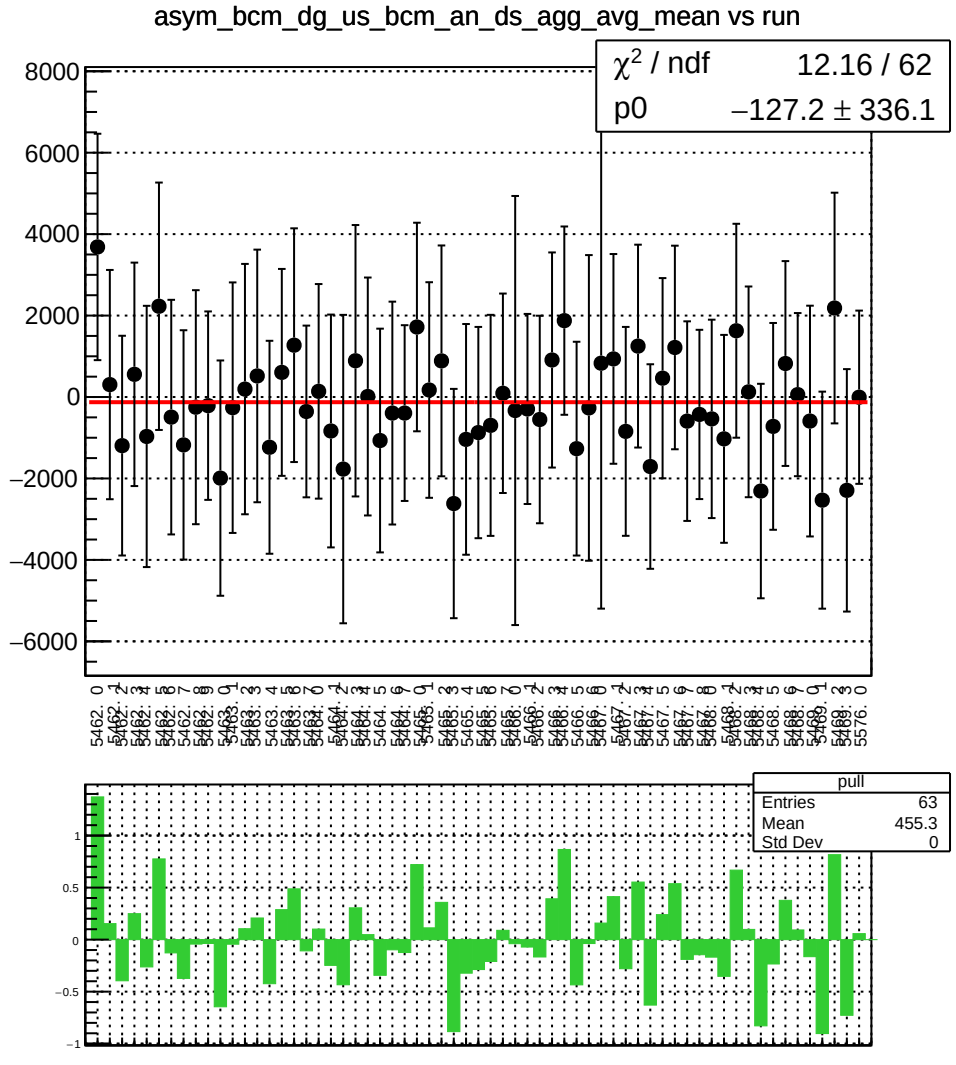

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 893.4 / 62
p0 9.657 ± 0.00878
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

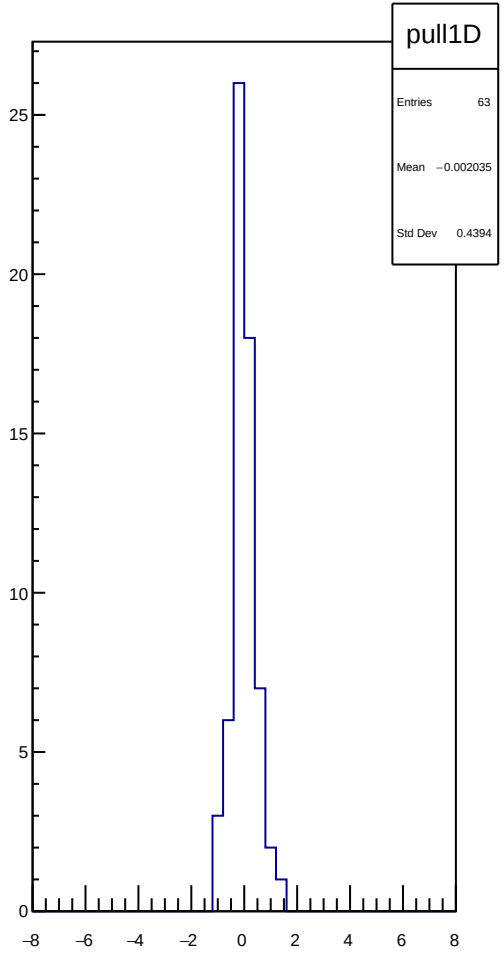

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 10.87 / 62
p0 −108.3 ± 334.6
pull
Entries 63
Mean 382.6
Std Dev 0
pull1D
Entries 63
Mean −0.002342
Std Dev 0.4153

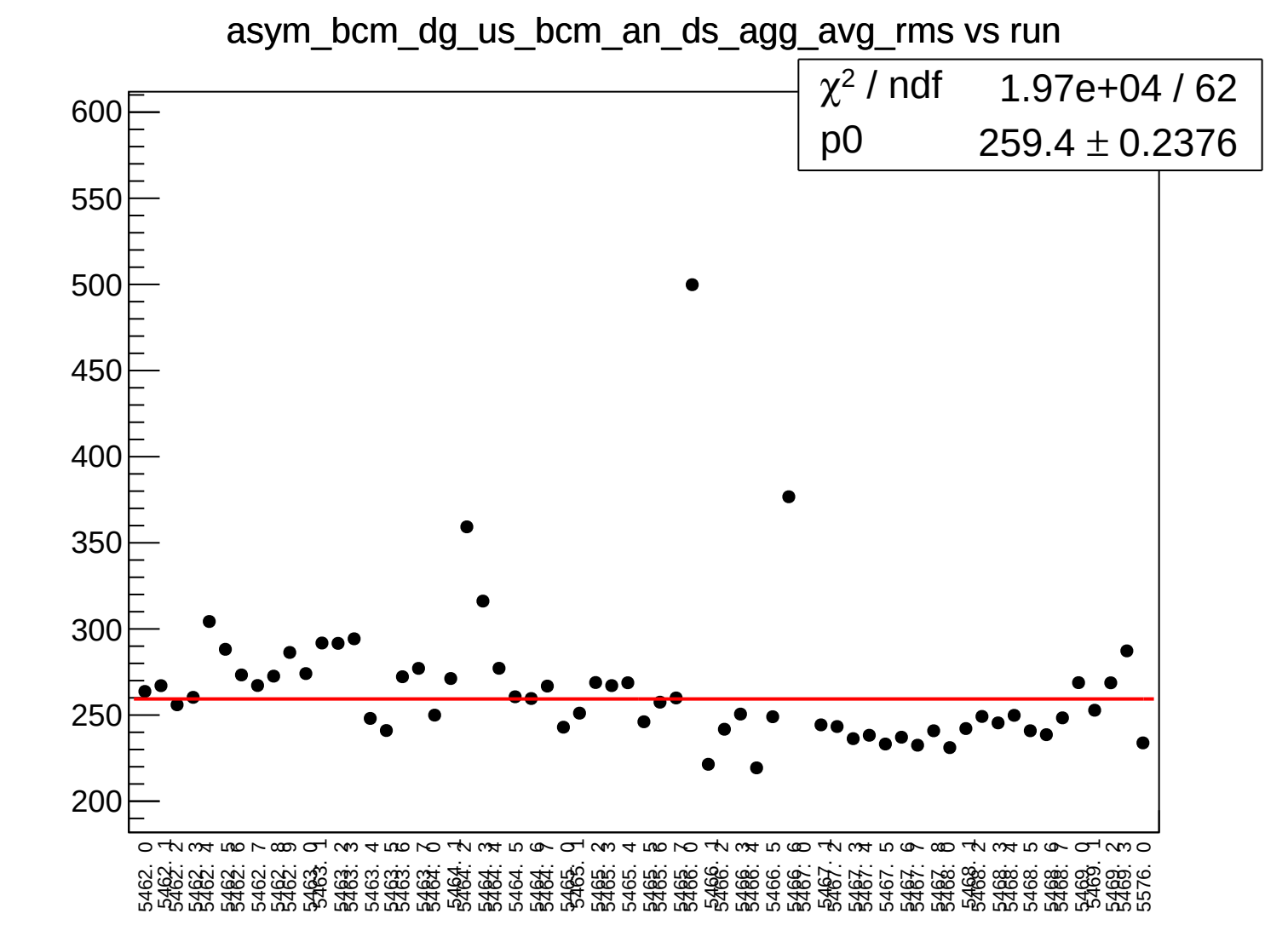

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2.004e+04 / 62
p0 258.2 ± 0.2366
600
550
500
450
400
350
300
250
200

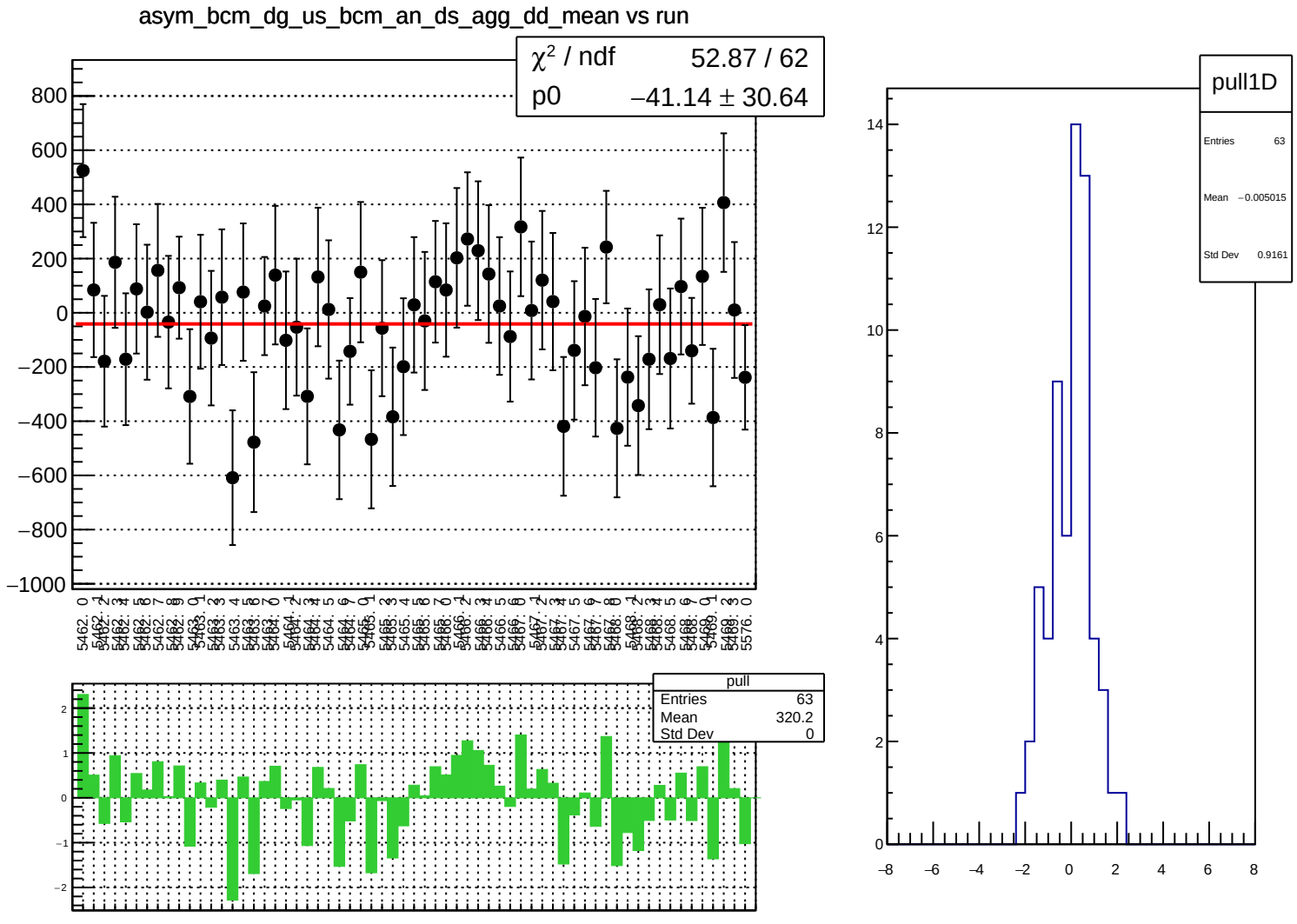

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 68.11 / 62
p0 −33.69 ± 11.77
pull
Entries 63
Mean 133.2
Std Dev 0
pull1D
Entries 63
Mean −0.02462
Std Dev 1.039

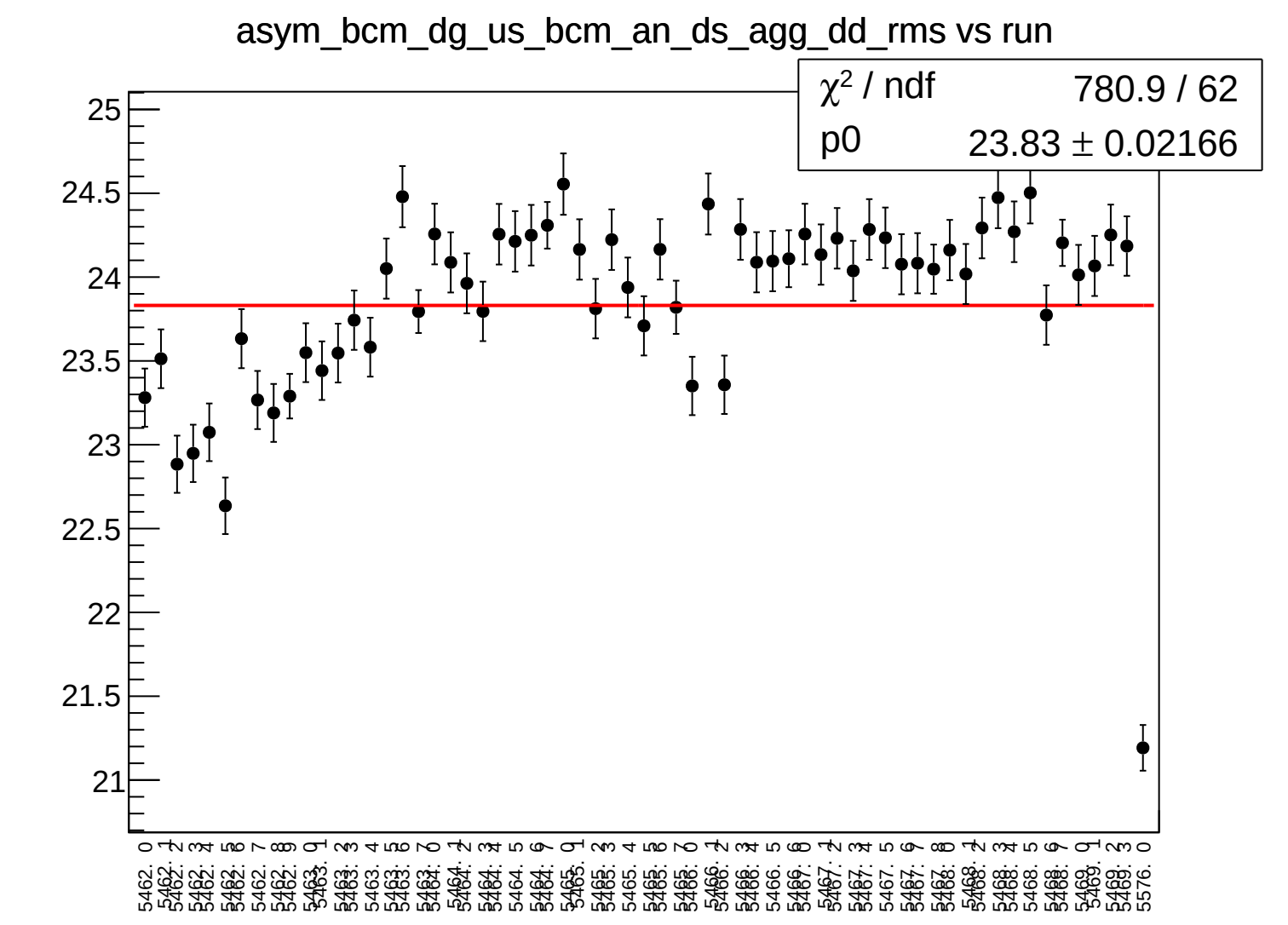

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2233 / 62
p0 9.148 ± 0.008321
12
11.5
11
10.5
10
9.5
9
8.5

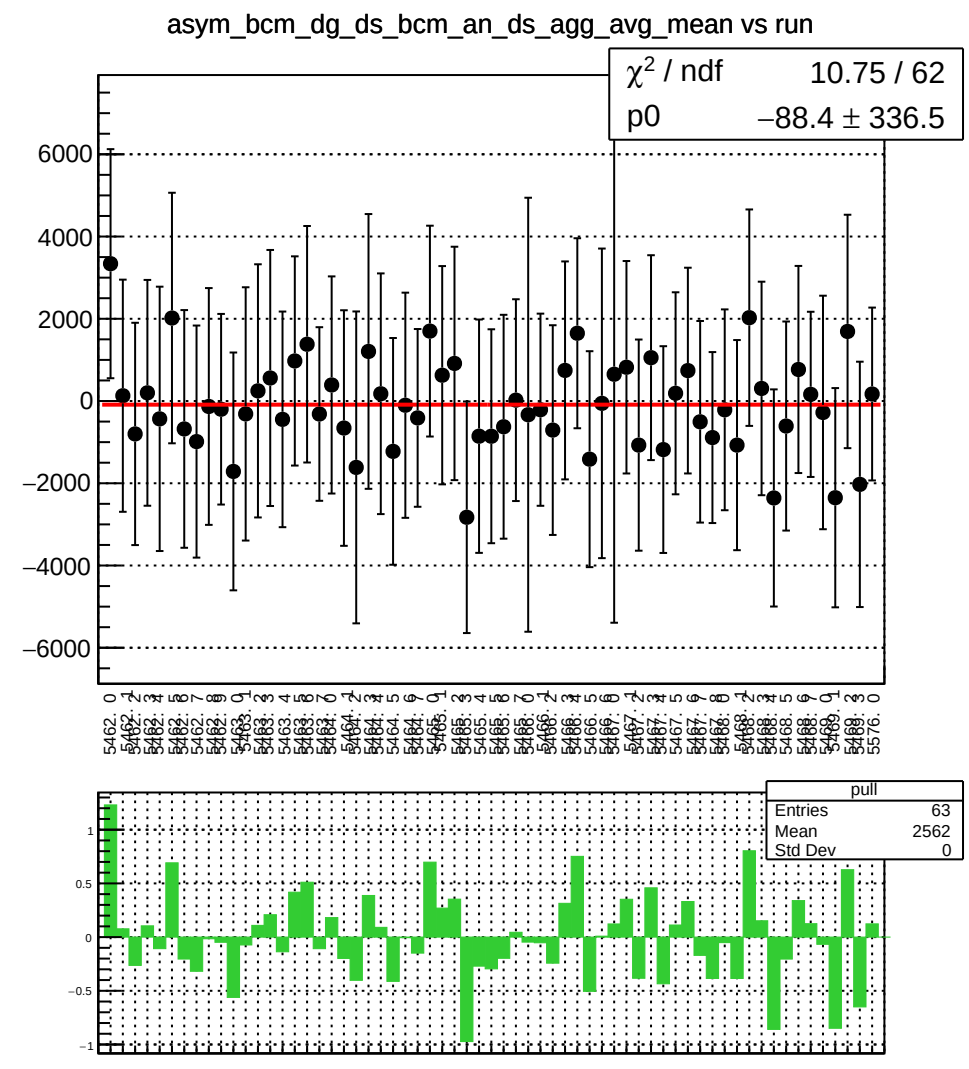

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.16 / 62
p0 −127.2 ± 336.1
pull
Entries 63
Mean 455.3
Std Dev 0

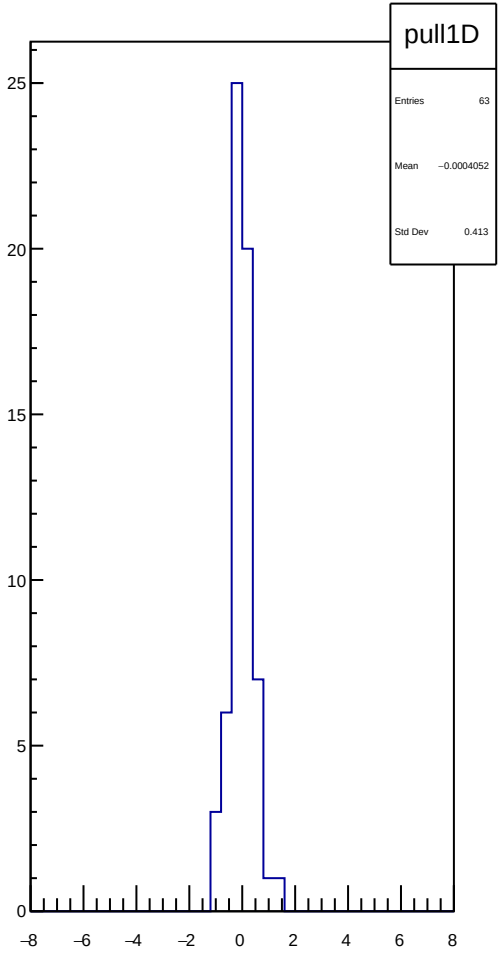

pull1D
Entries 63
Mean −0.002035
Std Dev 0.4394

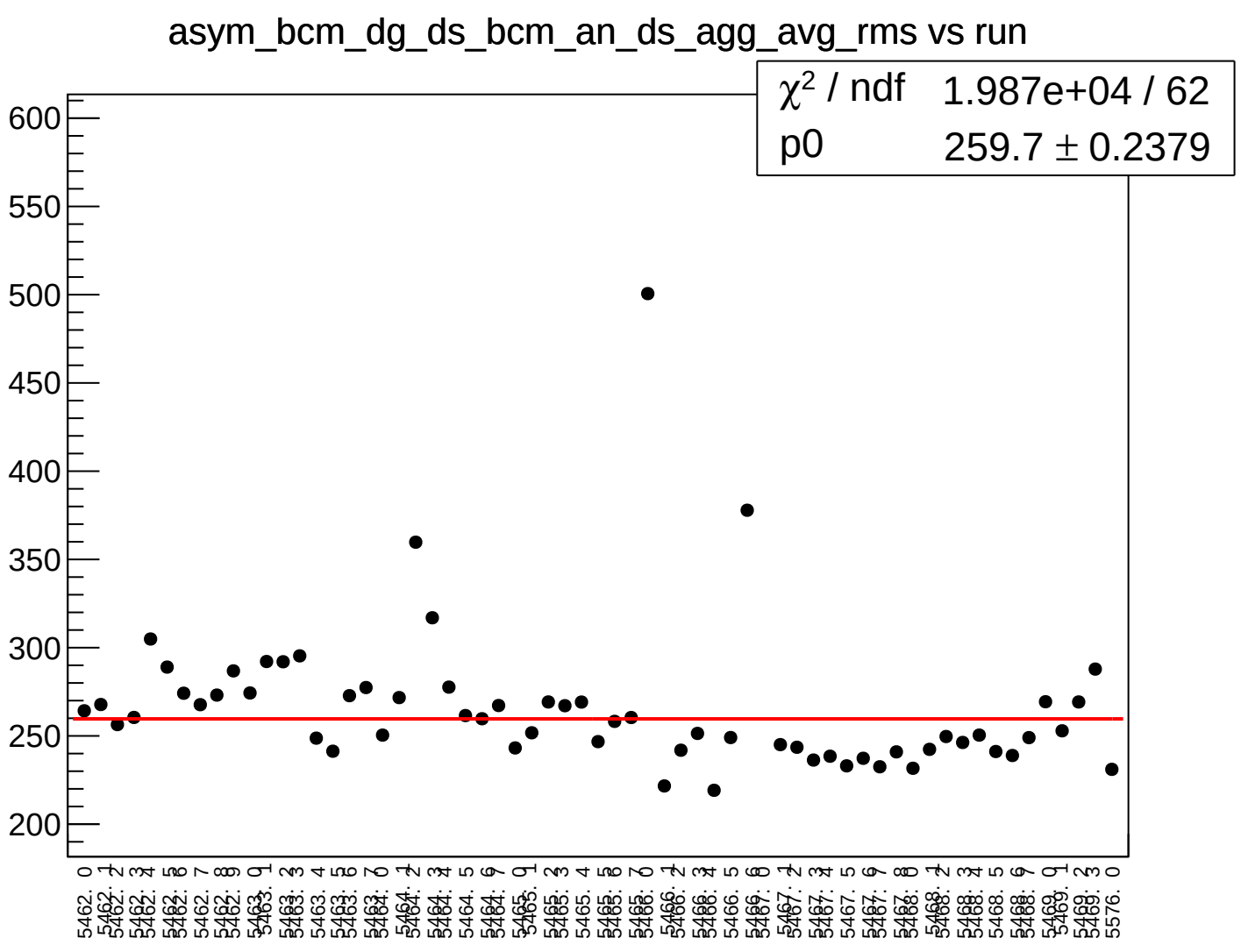

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.97e+04 / 62
p0 259.4 ± 0.2376
600
550
500
450
400
350
300
250
200

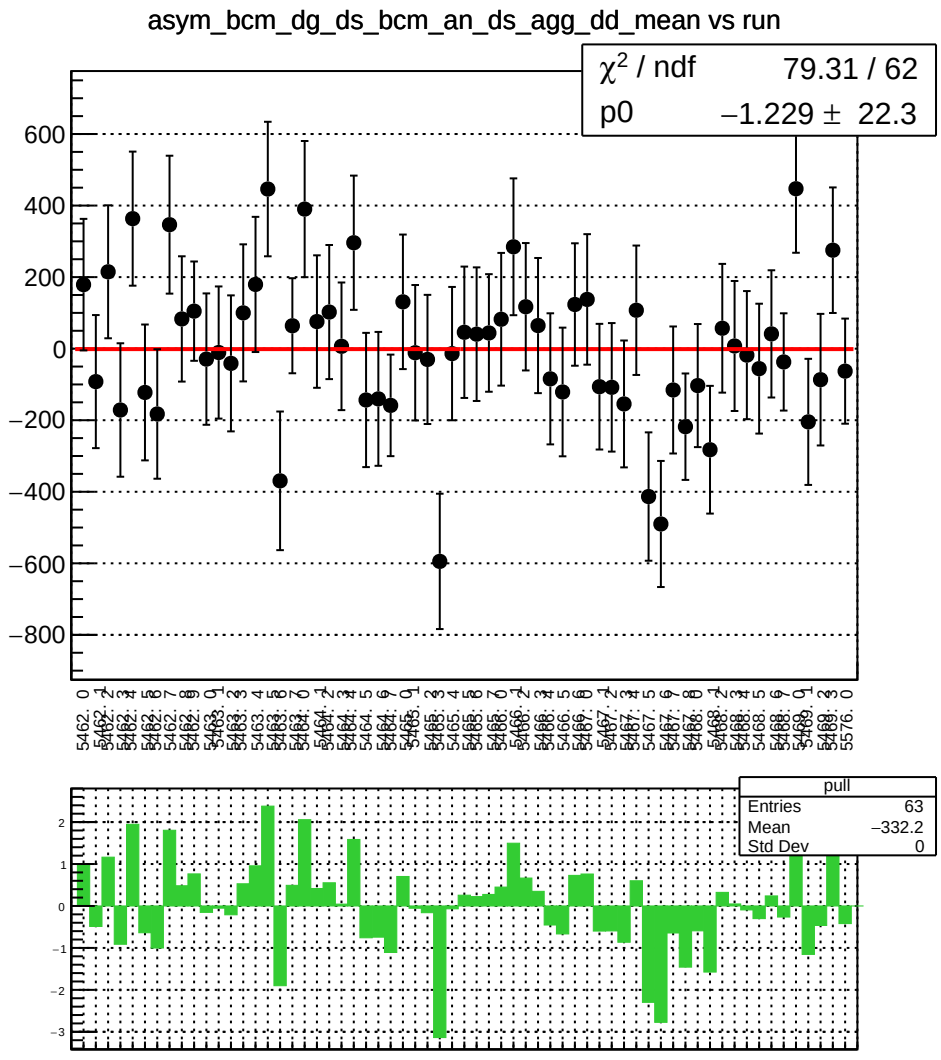

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 52.87 / 62
p0 −41.14 ± 30.64
pull
Entries 63
Mean 320.2
Std Dev 0
pull1D
Entries 63
Mean −0.005015
Std Dev 0.9161

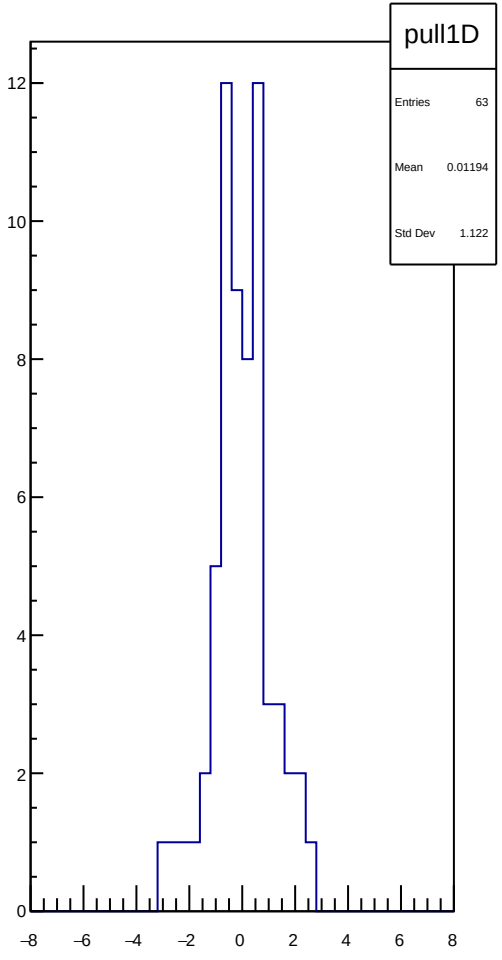

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 780.9 / 62
p0 23.83 ± 0.02166
25
24.5
24
23.5
23
22.5
22
21.5
21

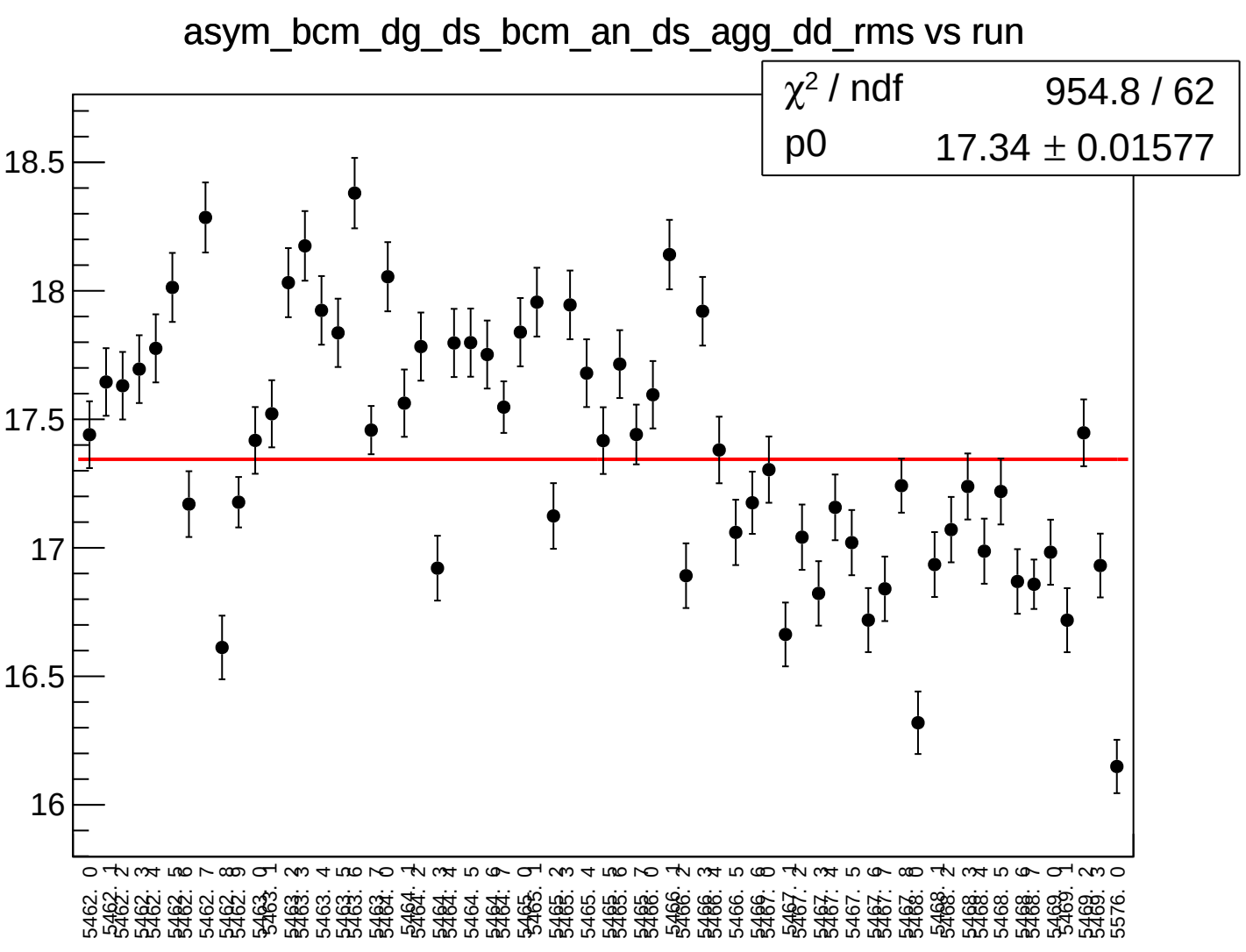

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.75 / 62
p0 −88.4 ± 336.5
pull
Entries 63
Mean 2562
Std Dev 0

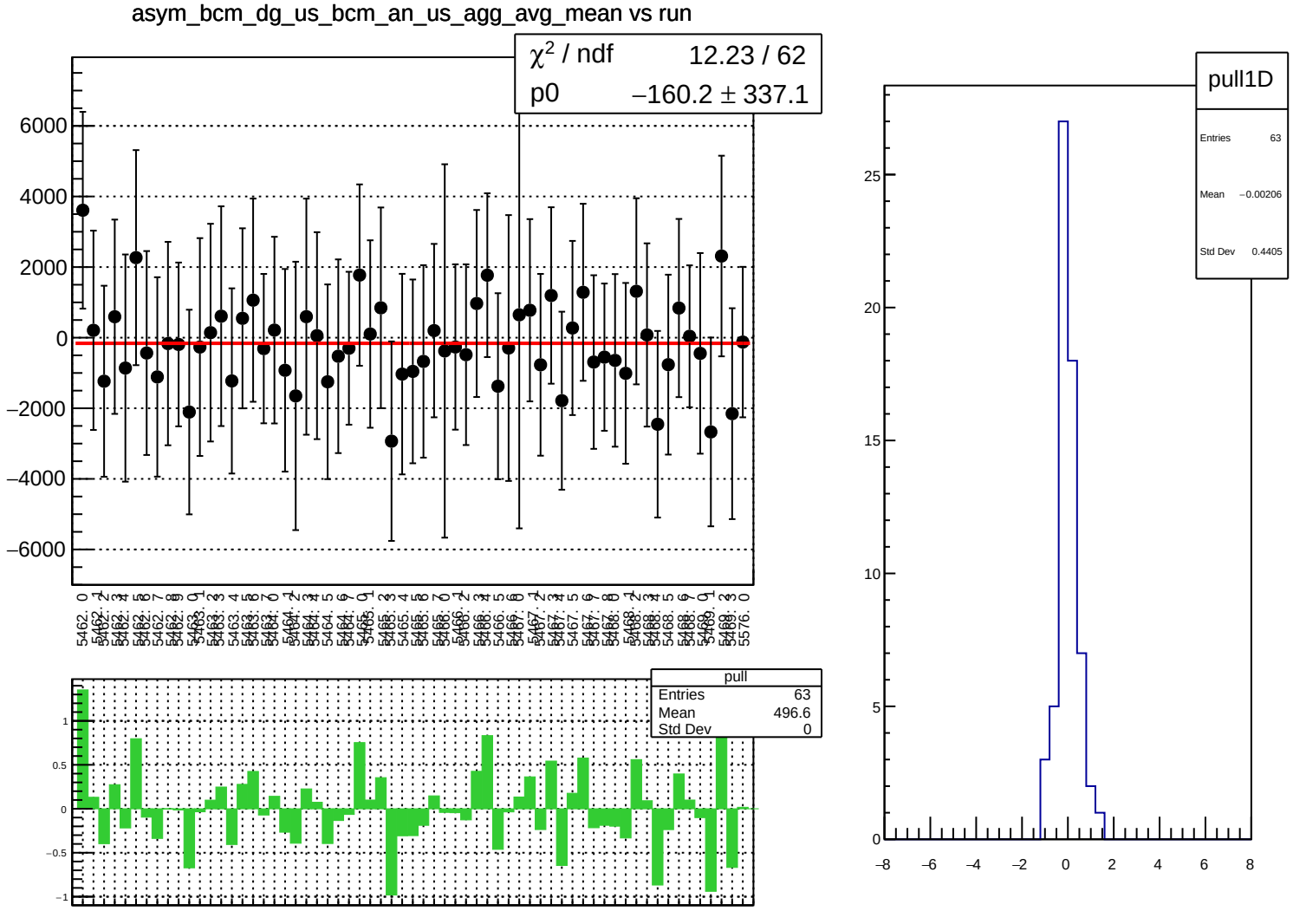

pull1D
Entries 63
Mean −0.0004052
Std Dev 0.413

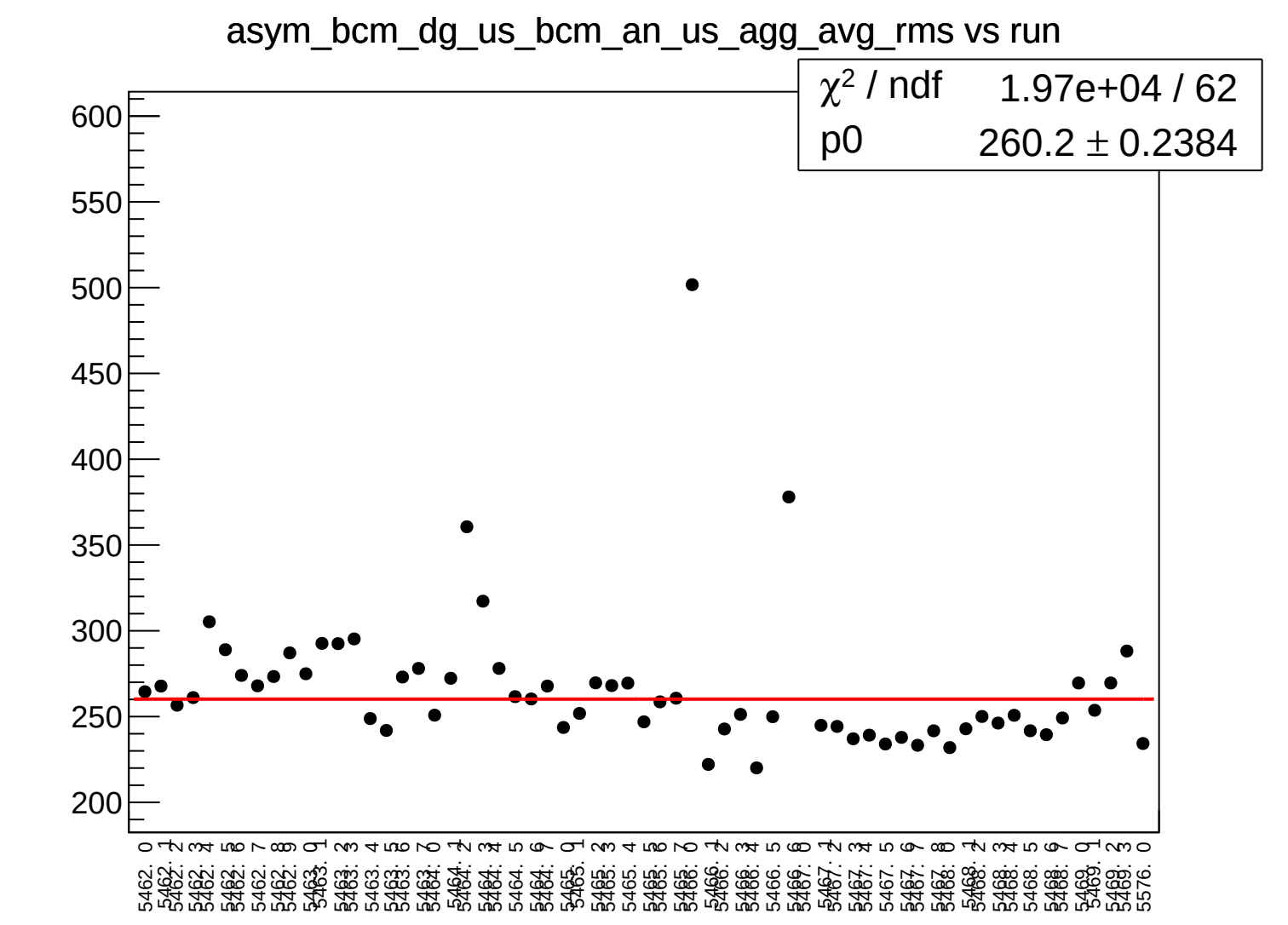

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.987e+04 / 62
p0 259.7 ± 0.2379
600
550
500
450
400
350
300
250
200

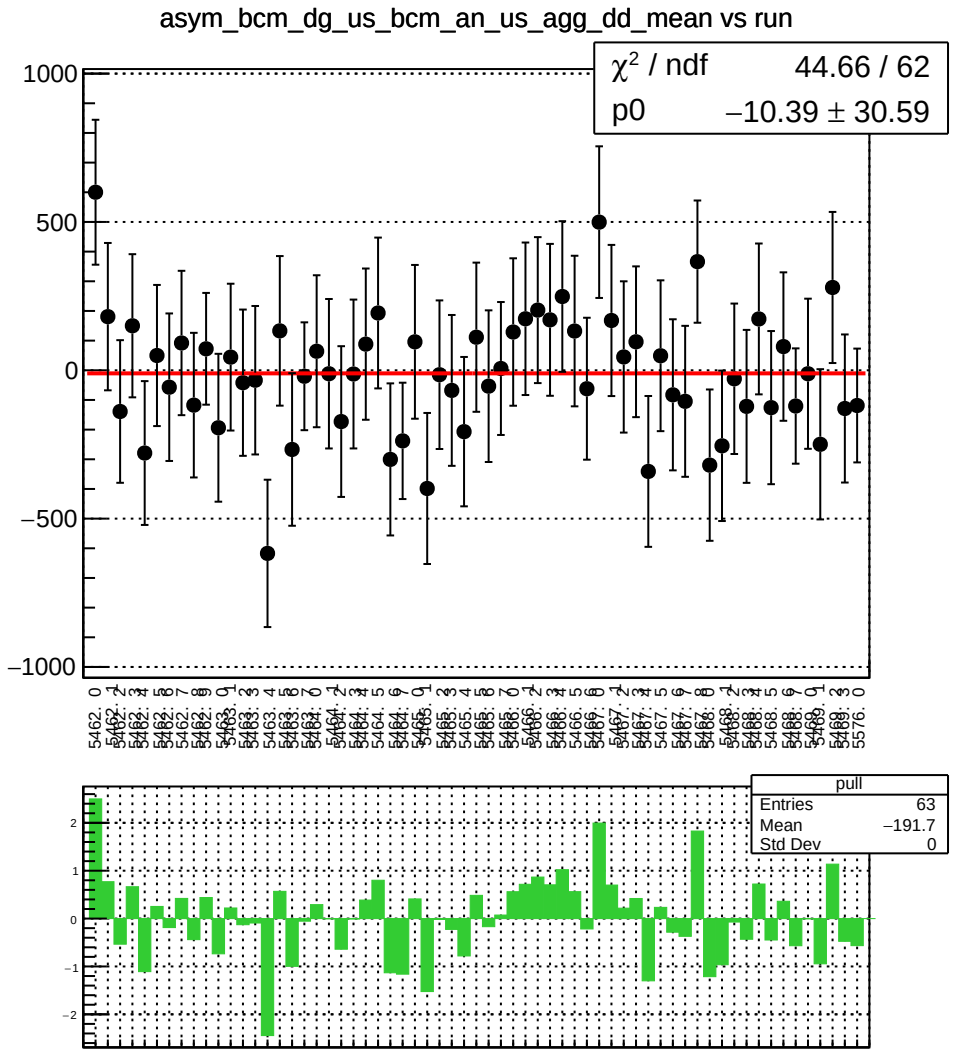

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 79.31 / 62
p0 −1.229 ± 22.3
pull
Entries 63
Mean −332.2
Std Dev 0

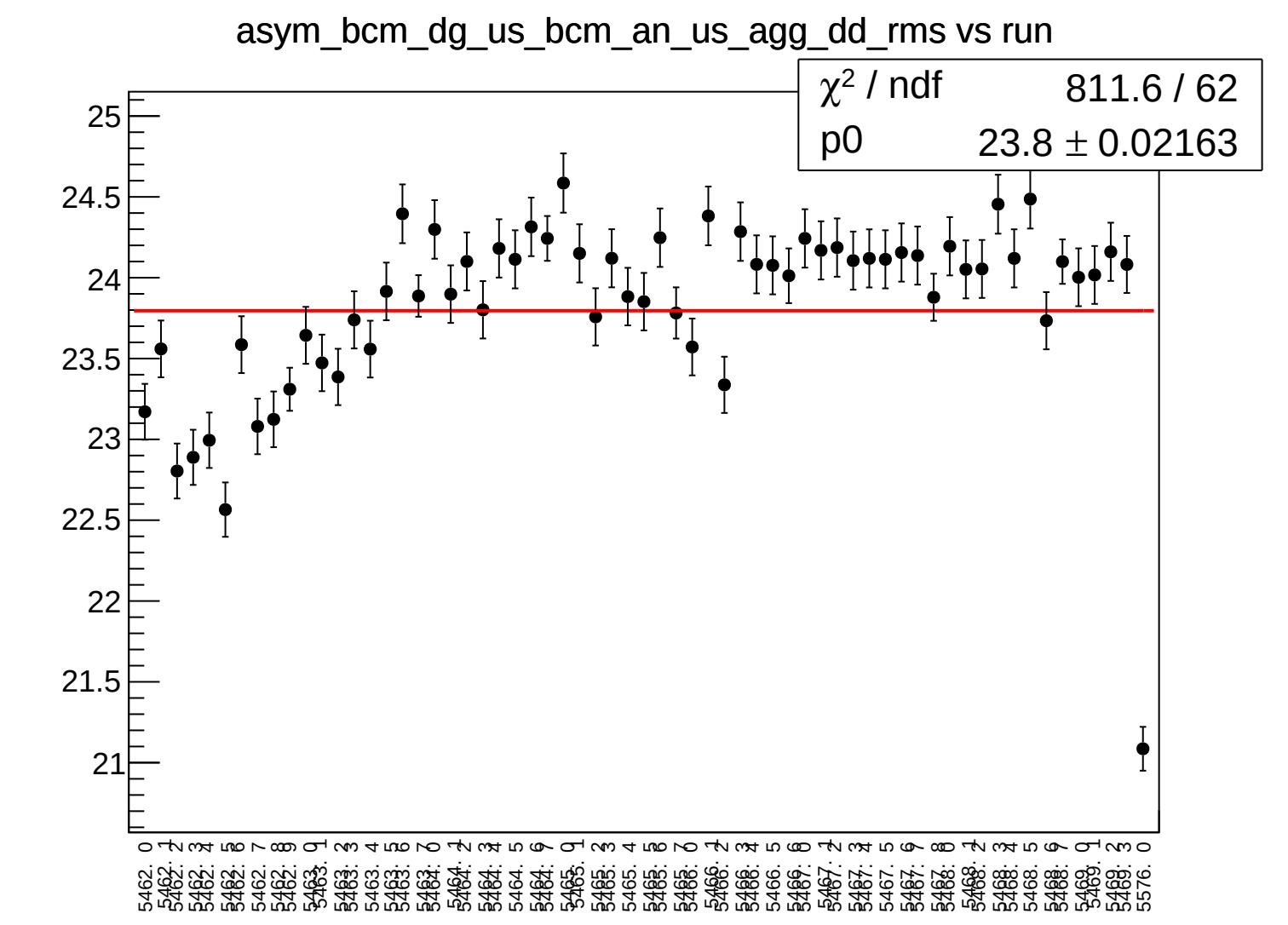

pull1D
Entries 63
Mean 0.01194
Std Dev 1.122

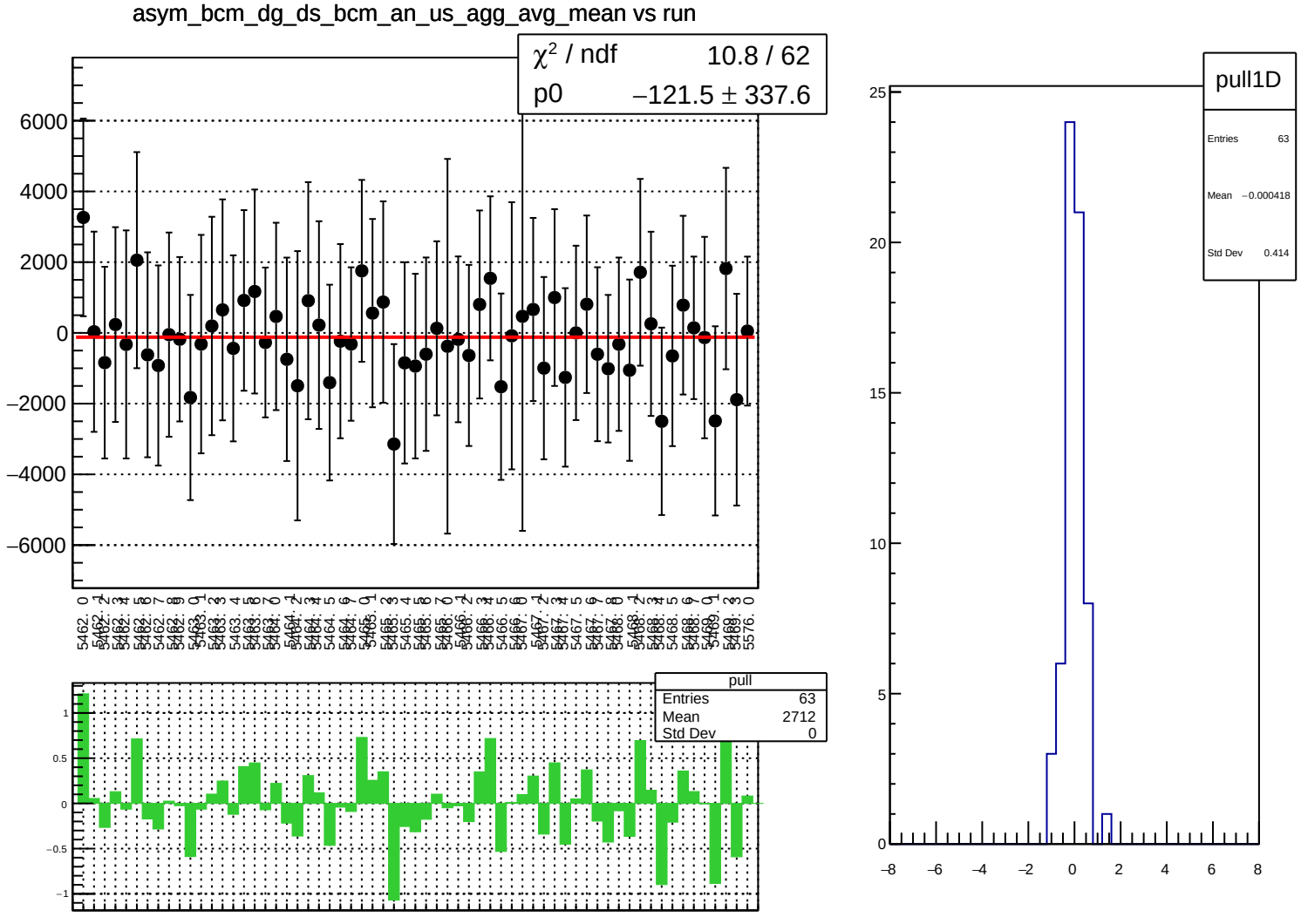

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 954.8 / 62
p0 17.34 ± 0.01577
18.5
18
17.5
17
16.5
16

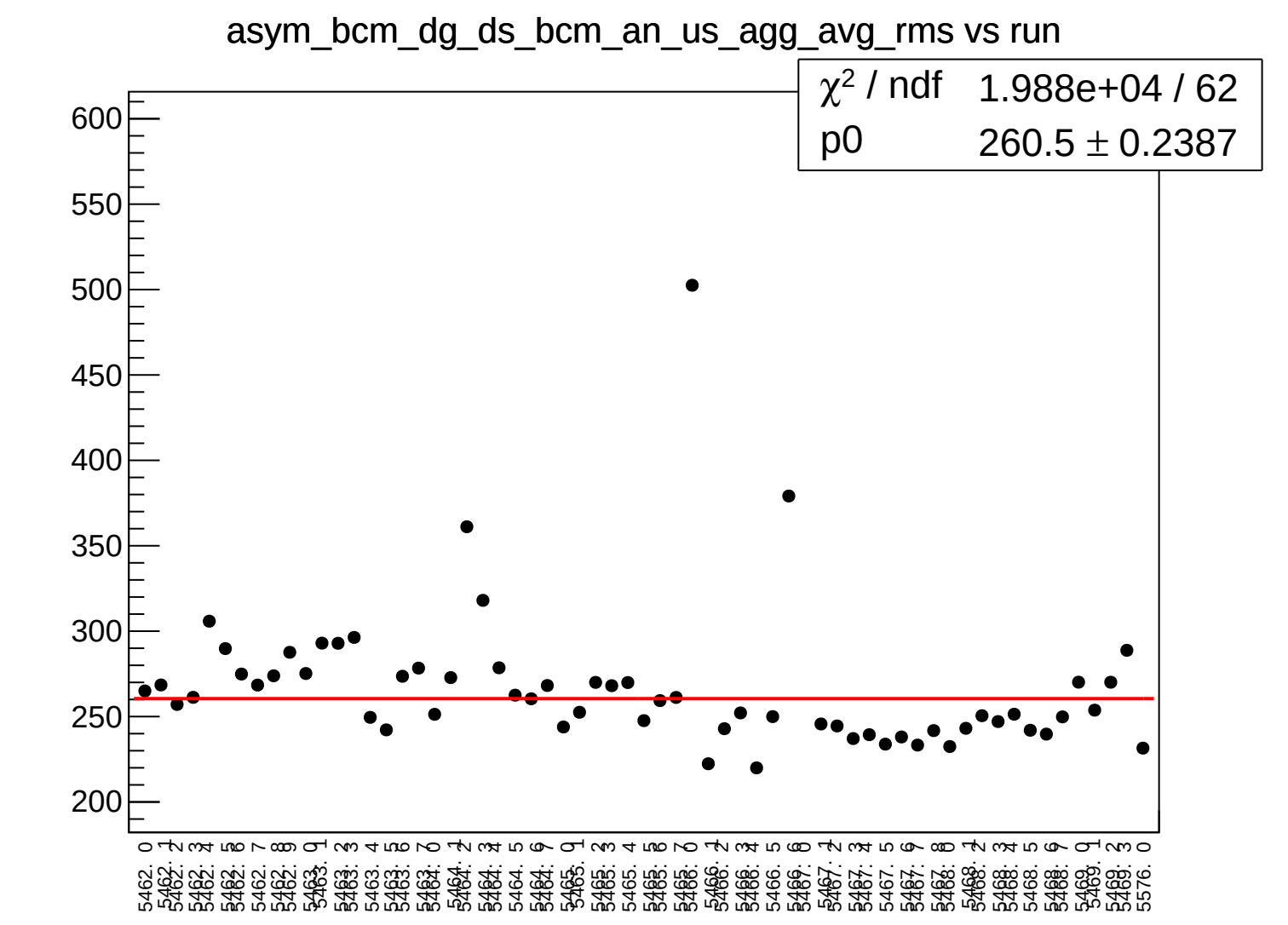

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.23 / 62
p0 −160.2 ± 337.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 496.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 63
Mean −0.00206
Std Dev 0.4405
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

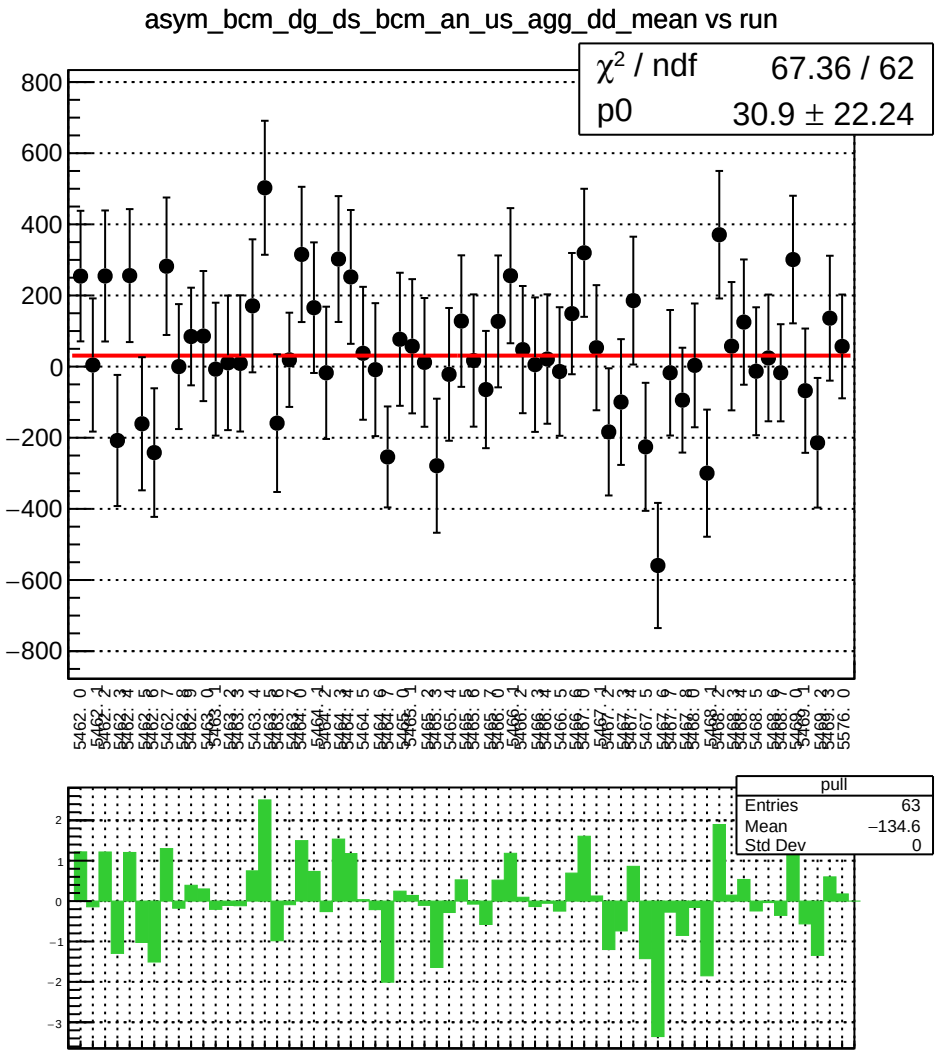

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.97e+04 / 62
p0 260.2 ± 0.2384
600
550
500
450
400
350
300
250
200

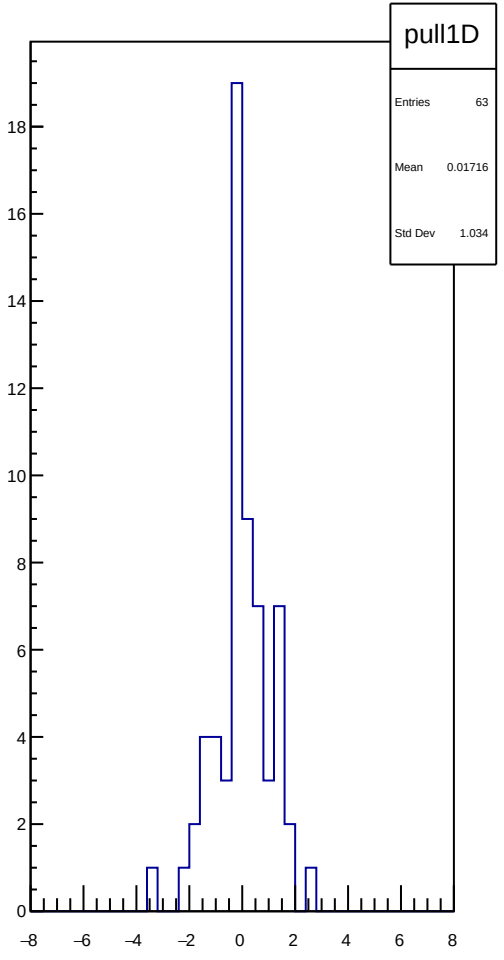

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 44.66 / 62
p0 −10.39 ± 30.59
pull
Entries 63
Mean −191.7
Std Dev 0
pull1D
Entries 63
Mean 0.001495
Std Dev 0.842

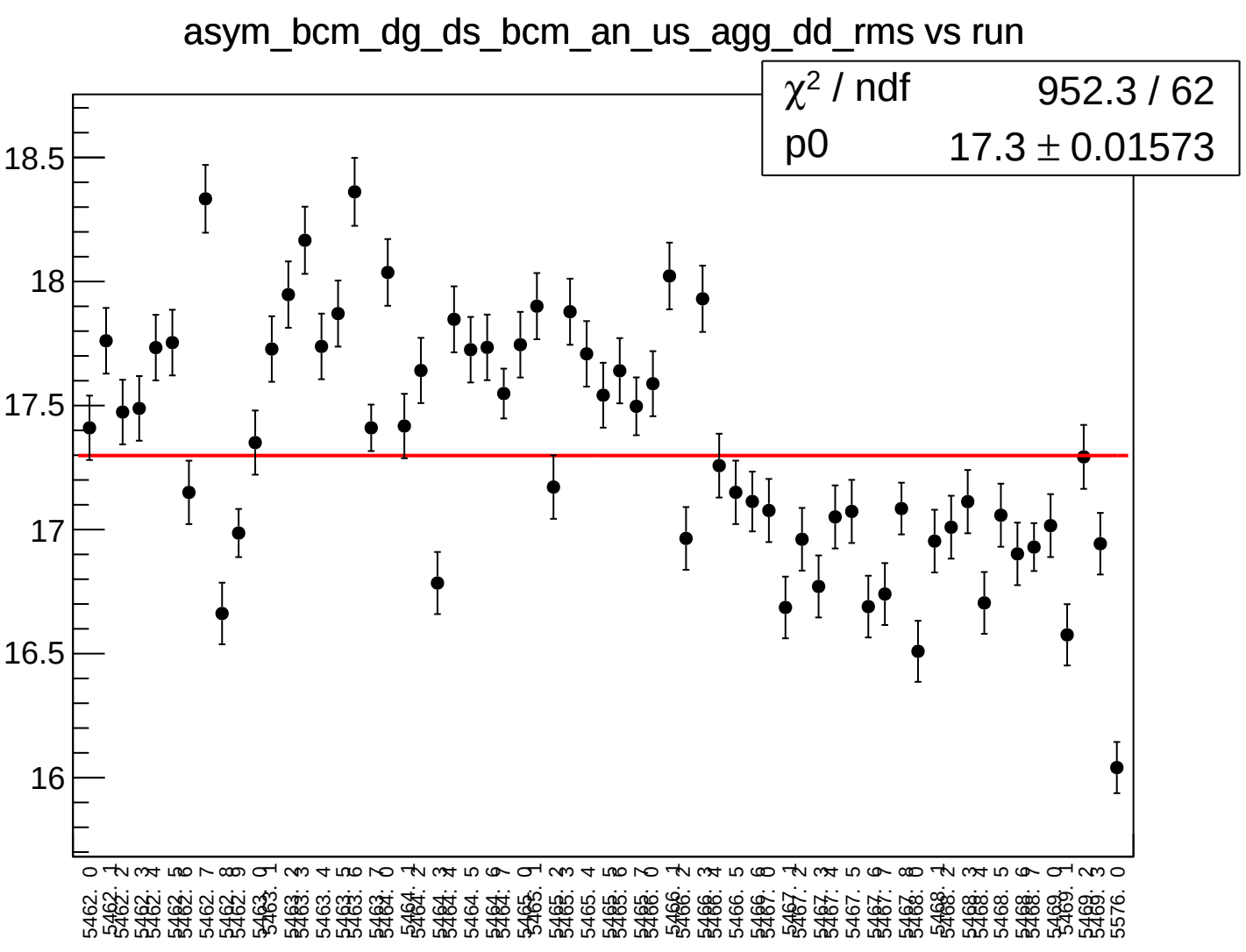

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 811.6 / 62
p0 23.8 ± 0.02163
25
24.5
24
23.5
23
22.5
22
21.5
21
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

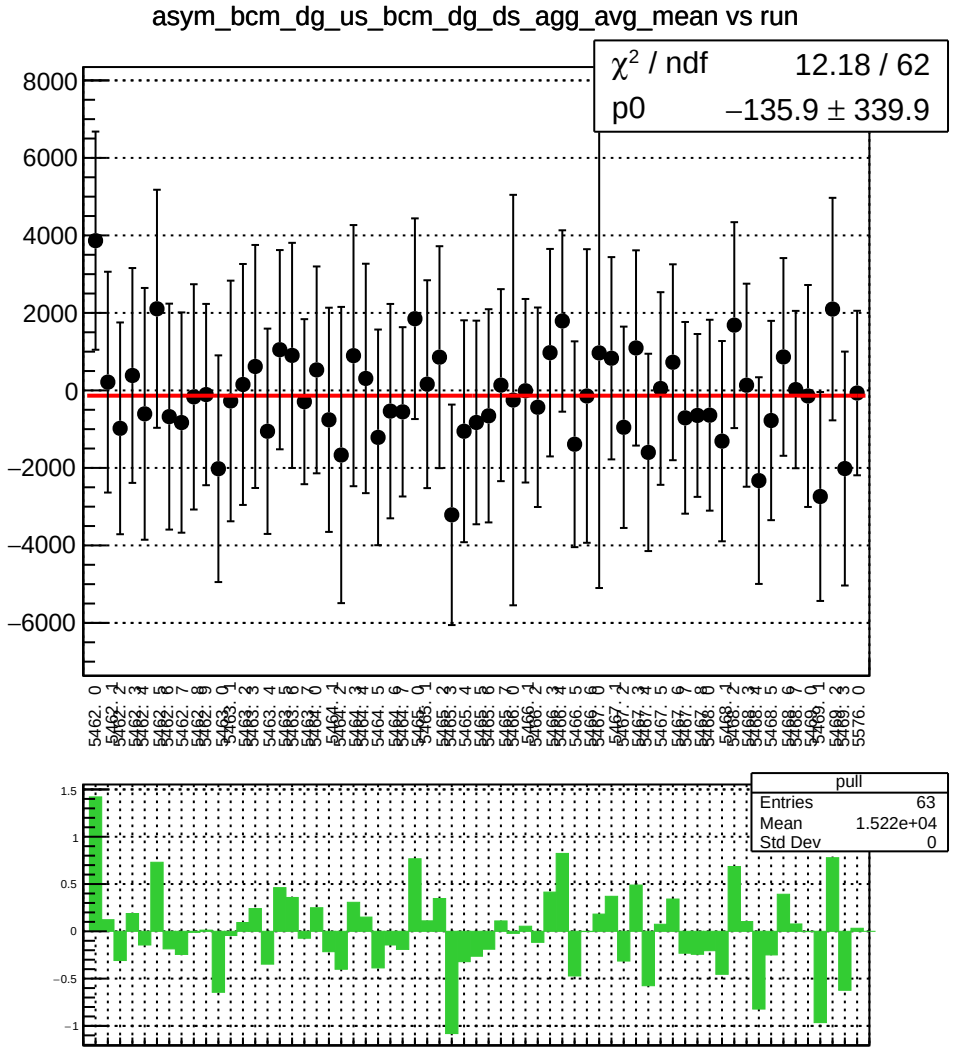

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 10.8 / 62
p0 −121.5 ± 337.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 2712
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 63
Mean −0.000418
Std Dev 0.414
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

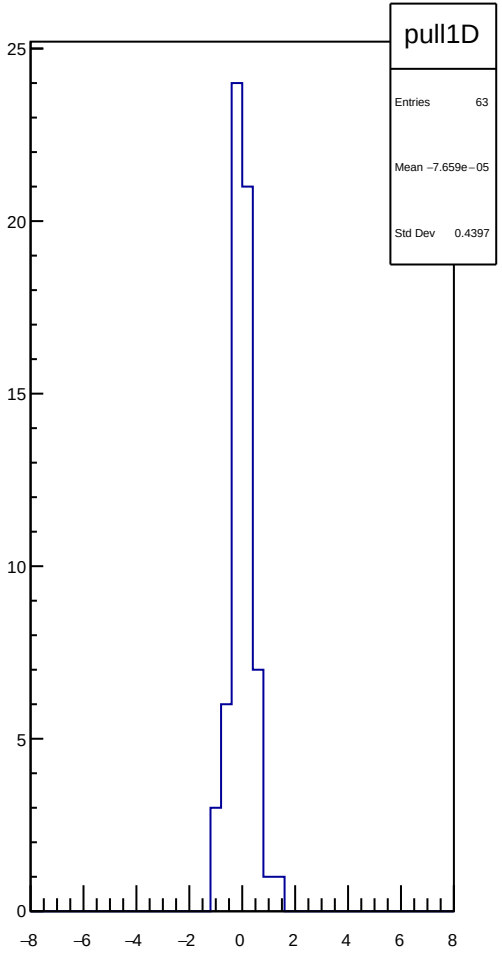

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.988e+04 / 62
p0 260.5 ± 0.2387
600
550
500
450
400
350
300
250
200

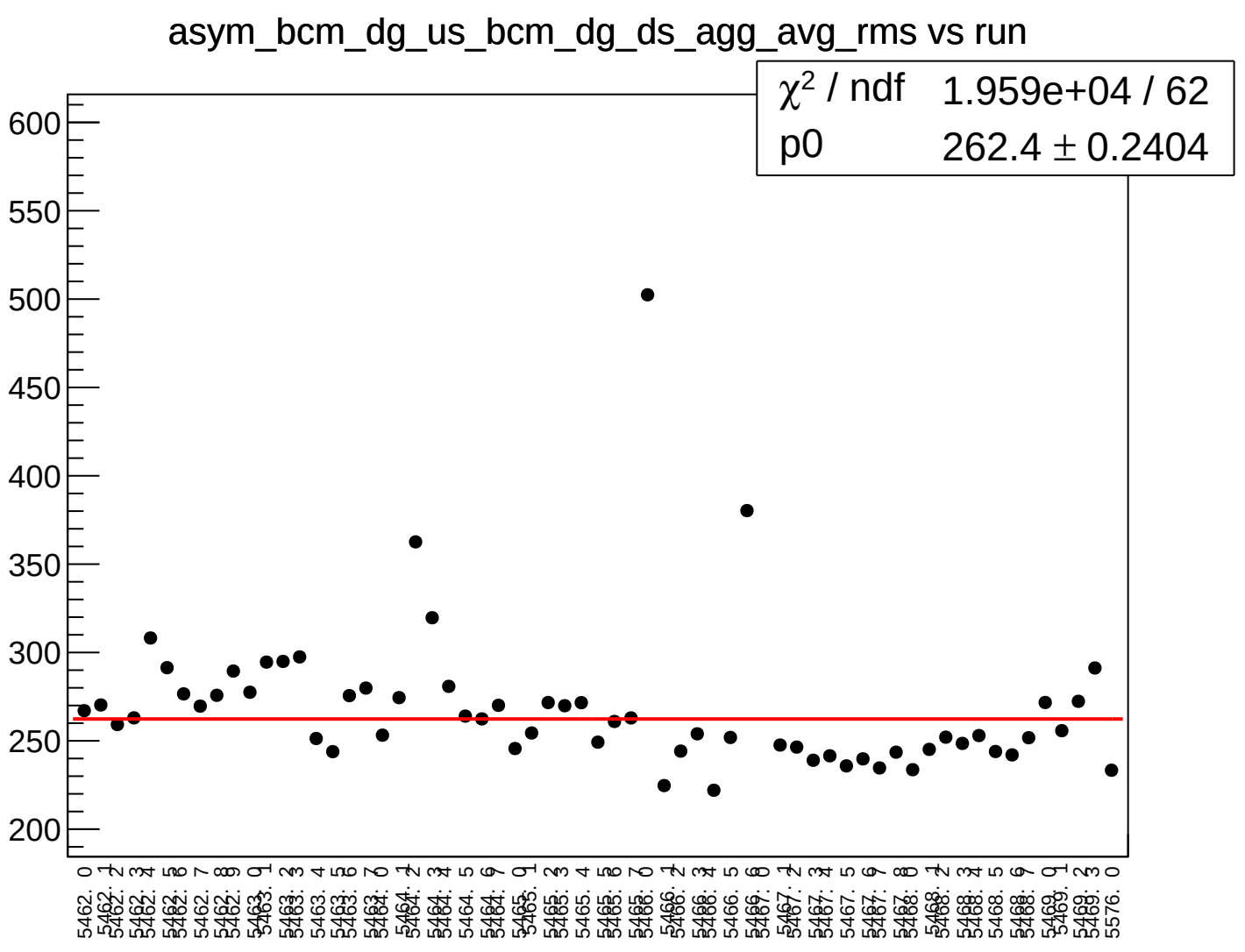

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 67.36 / 62
p0 30.9 ± 22.24
pull
Entries 63
Mean −134.6
Std Dev 0

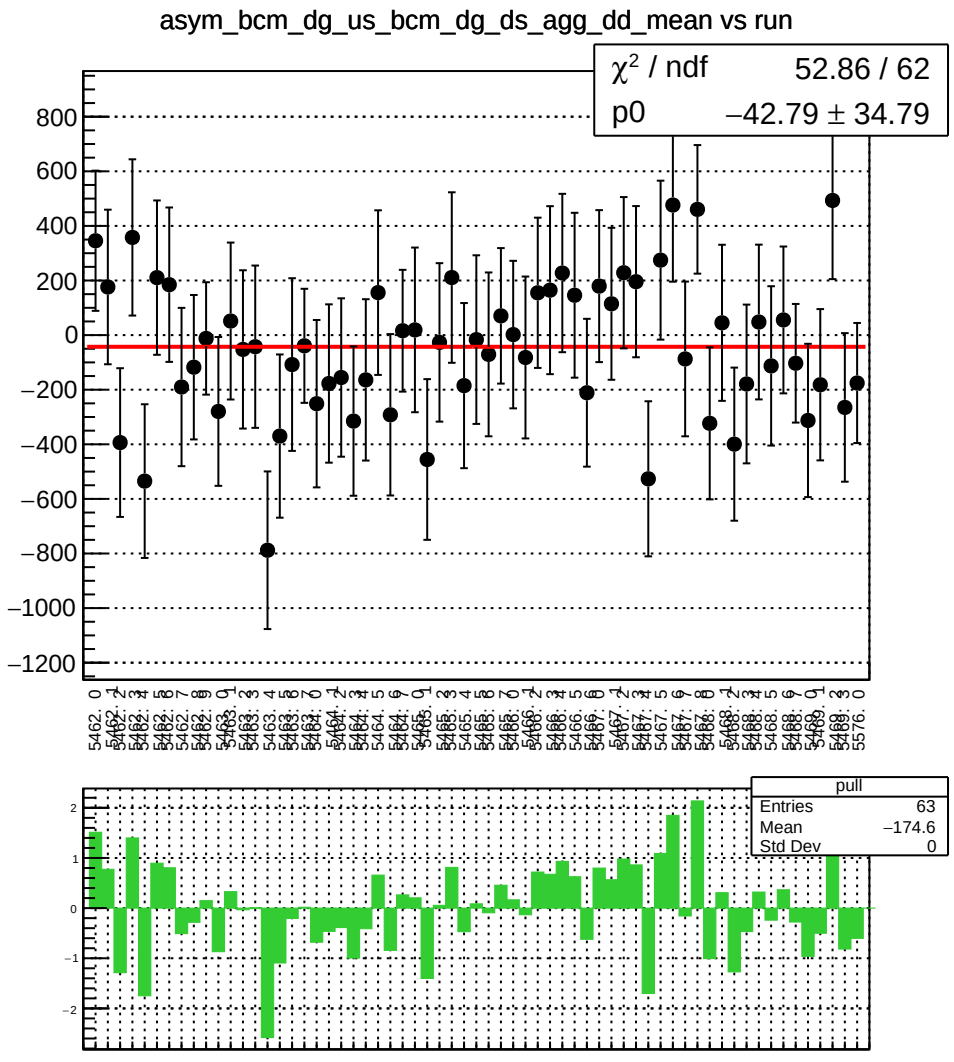

pull1D
Entries 63
Mean 0.01716
Std Dev 1.034

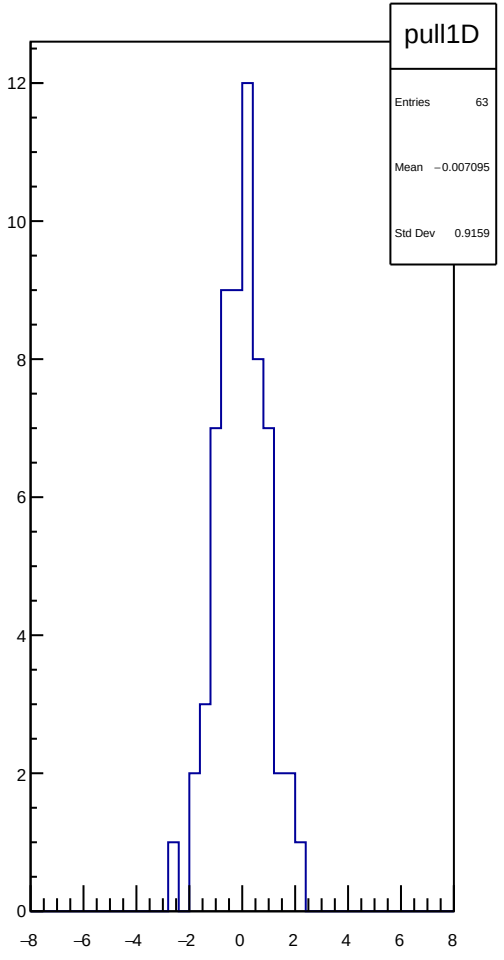

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 952.3 / 62
p0 17.3 ± 0.01573
18.5
18
17.5
17
16.5
16

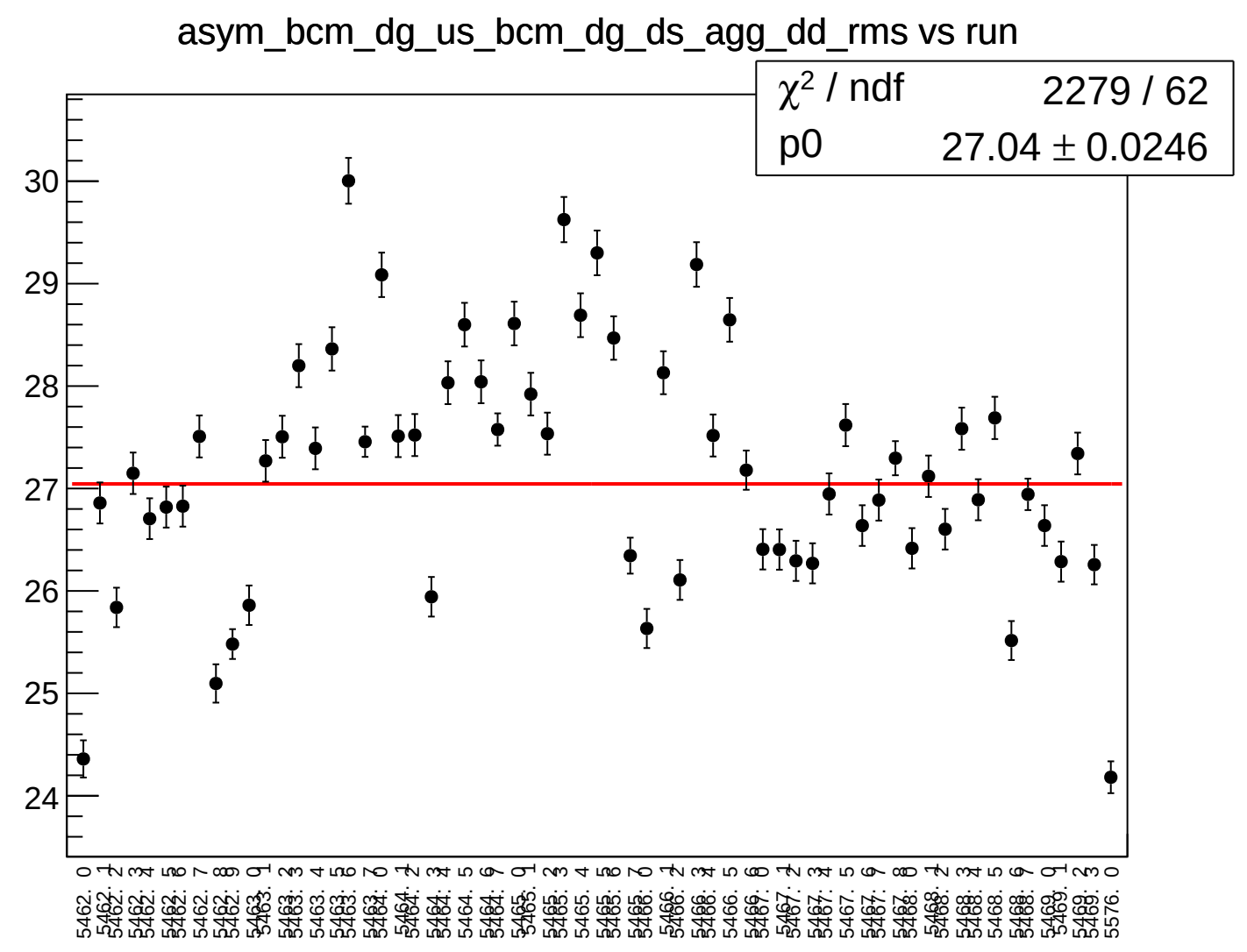

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.18 / 62
p0 −135.9 ± 339.9
pull
Entries 63
Mean 1.522e+04
Std Dev 0

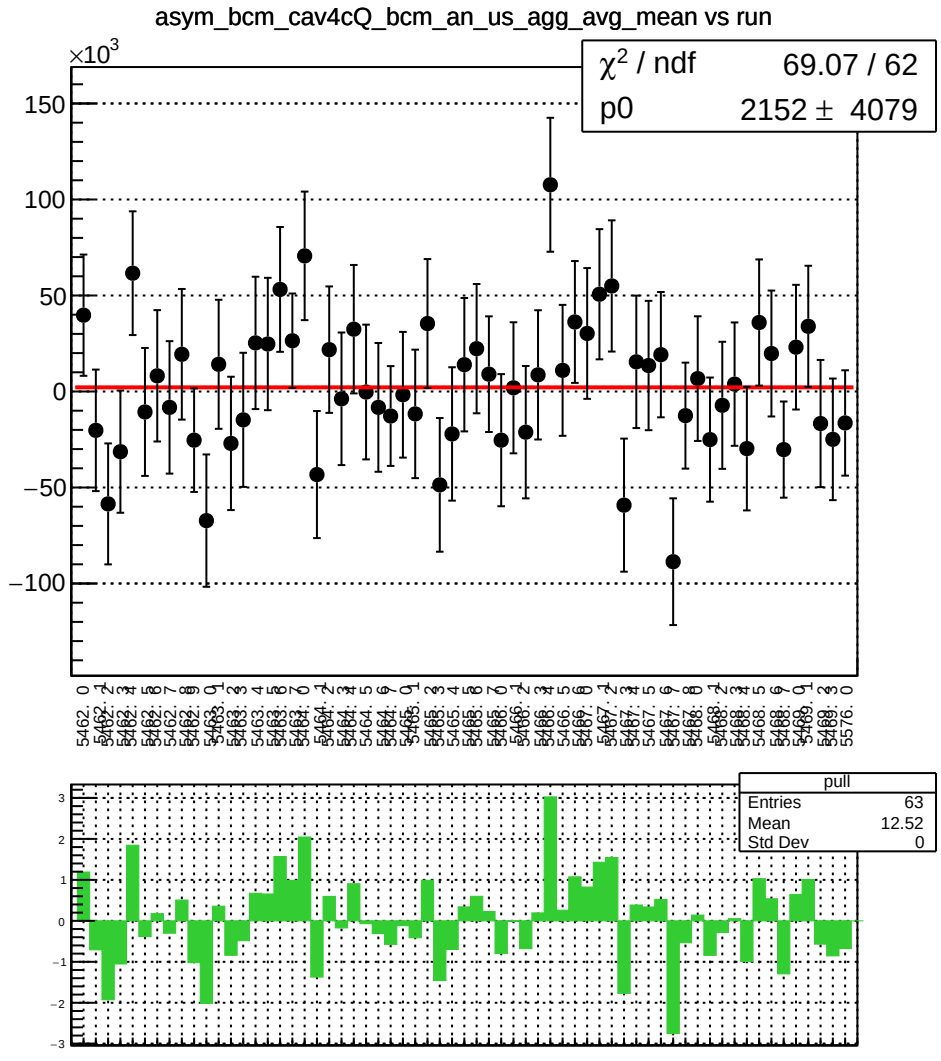

pull1D
Entries 63
Mean −7.659e−05
Std Dev 0.4397

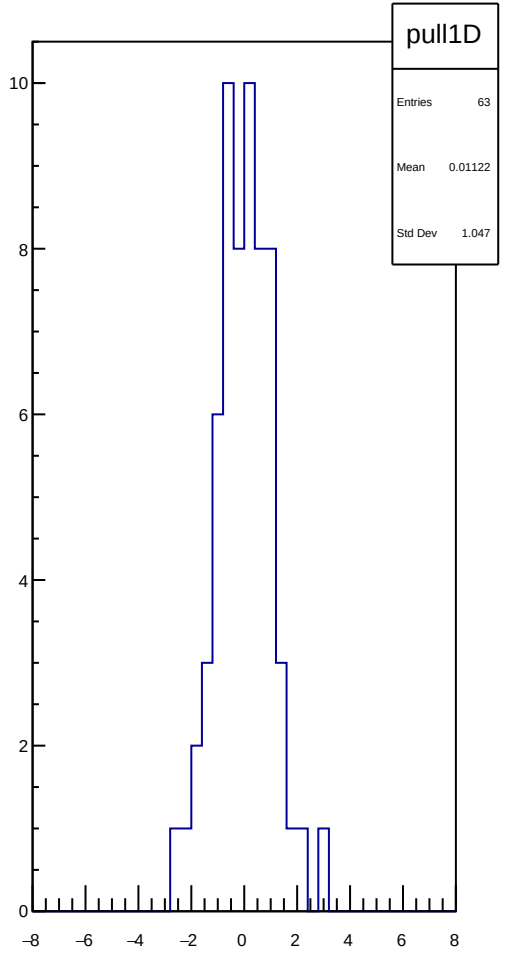

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.959e+04 / 62
p0 262.4 ± 0.2404
600
550
500
450
400
350
300
250
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

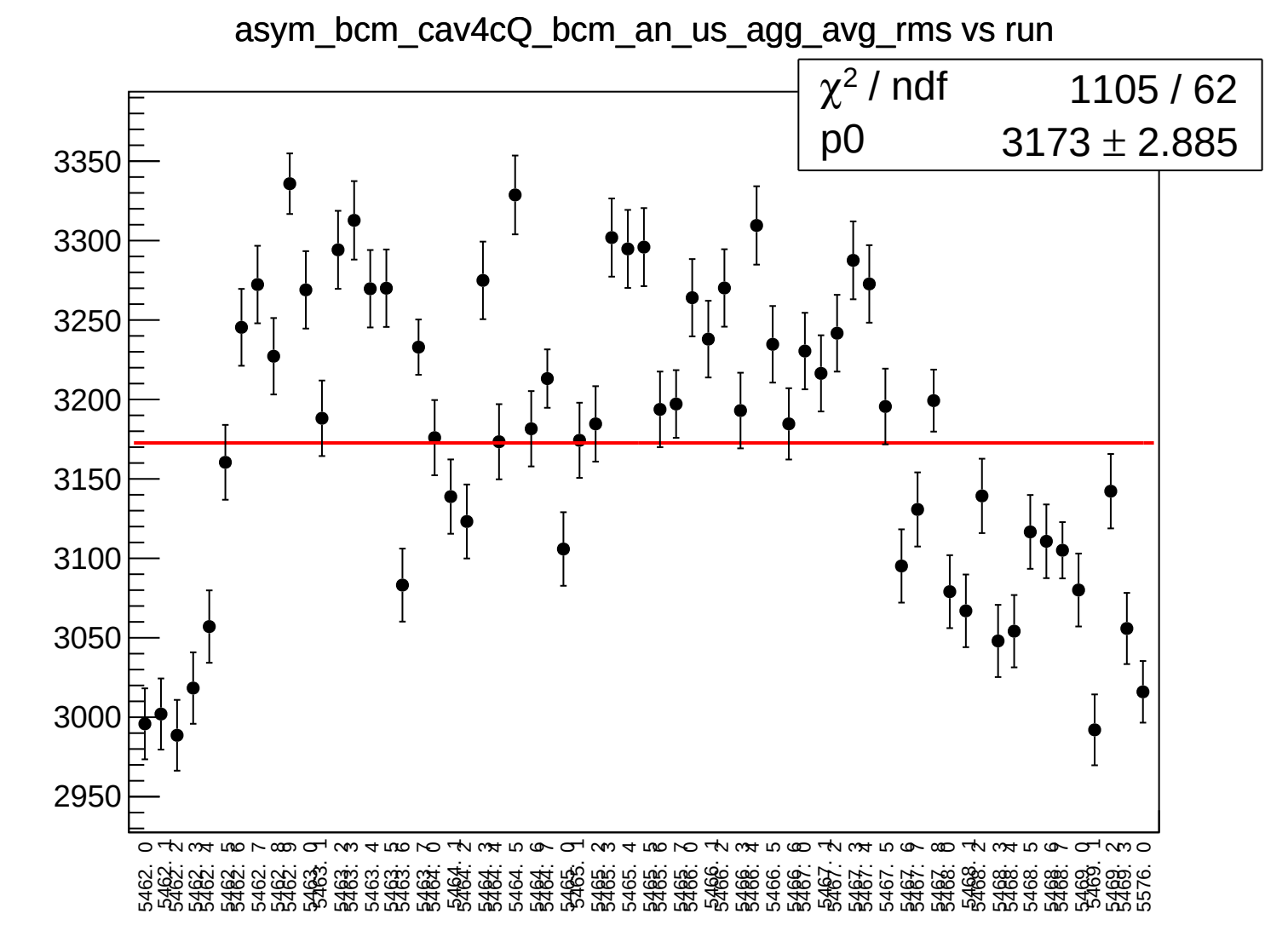

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 52.86 / 62
p0 −42.79 ± 34.79
pull
Entries 63
Mean −174.6
Std Dev 0

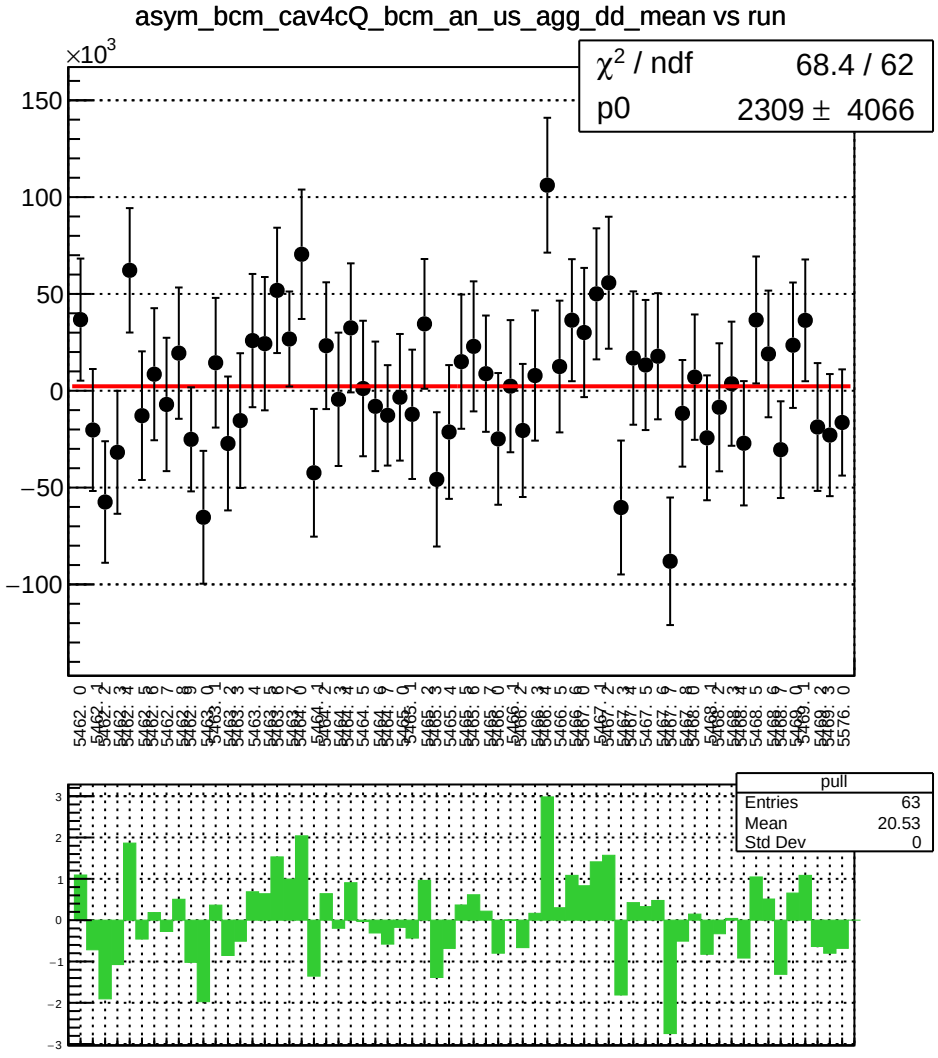

pull1D
Entries 63
Mean −0.007095
Std Dev 0.9159

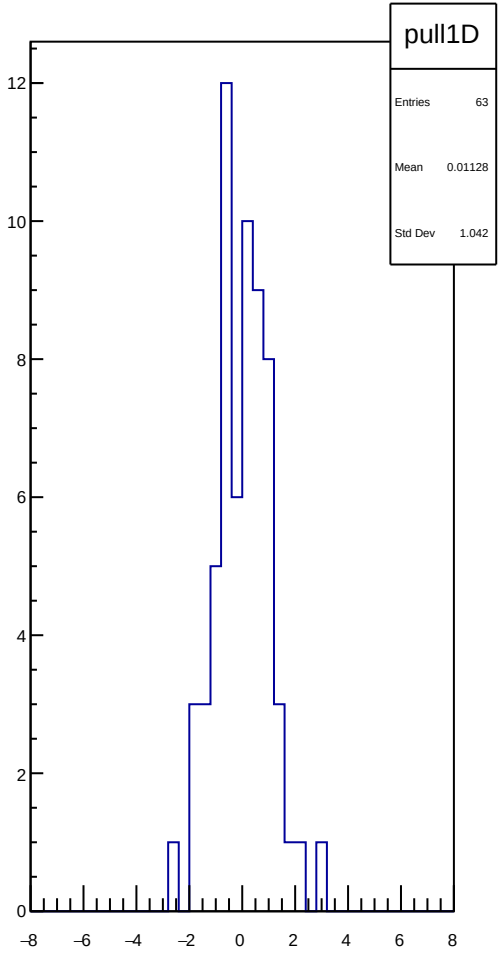

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2279 / 62
p0 27.04 ± 0.0246
30
29
28
27
26
25
24

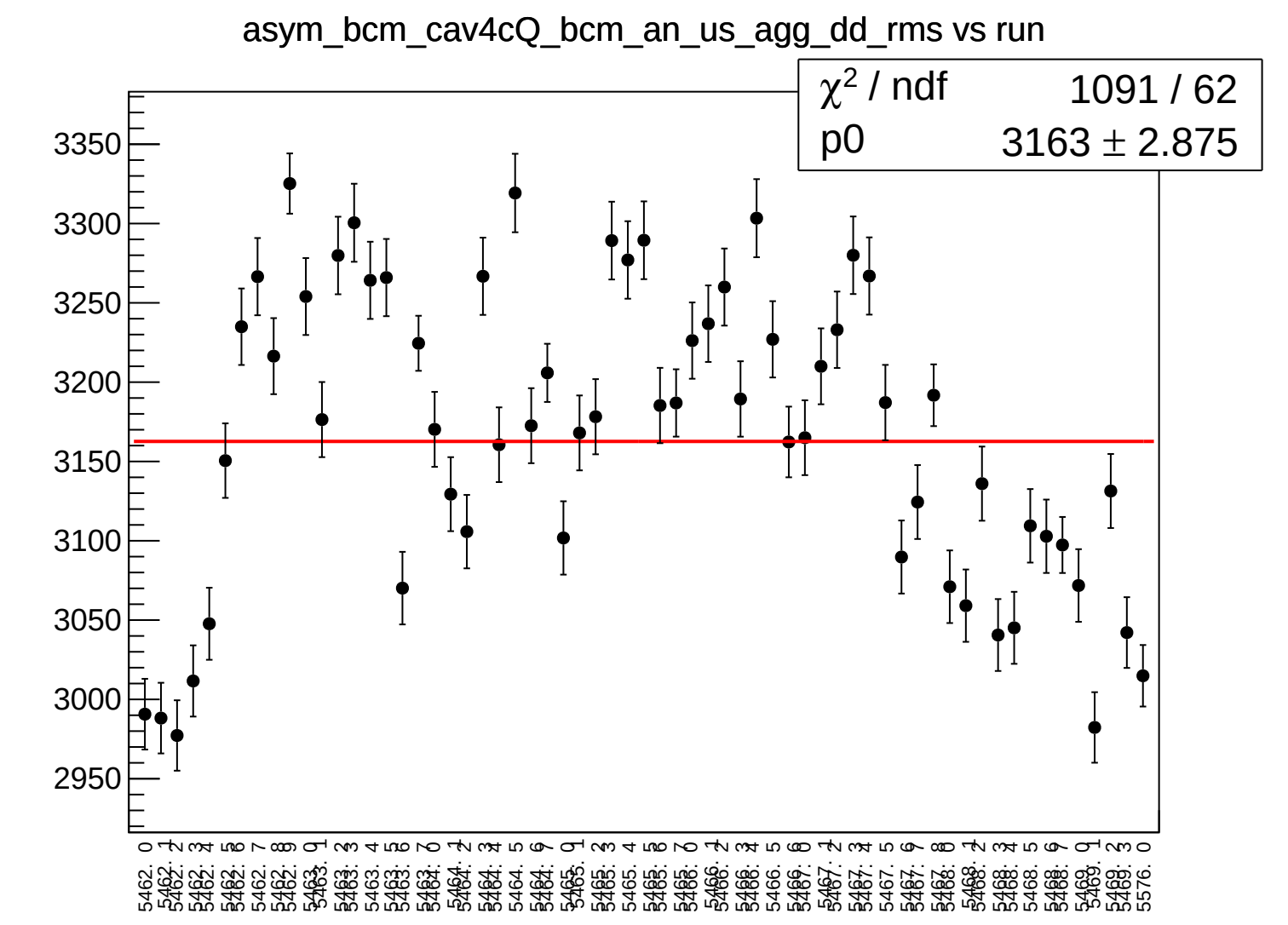

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
×10^3
χ² / ndf 69.07 / 62
p0 2152 ± 4079
150
100
50
0
−50
−100
pull
Entries 63
Mean 12.52
Std Dev 0
3
2
1
0
−1
−2
−3

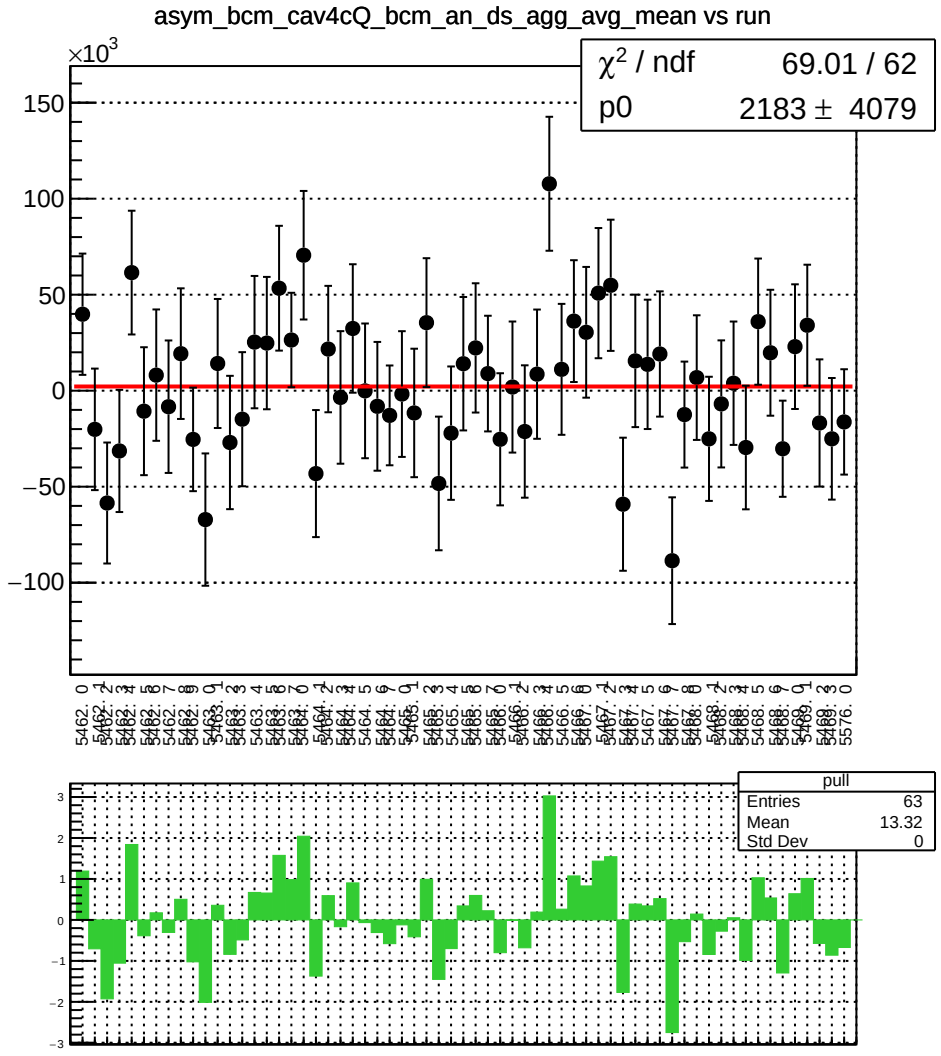

pull1D
Entries 63
Mean 0.01122
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

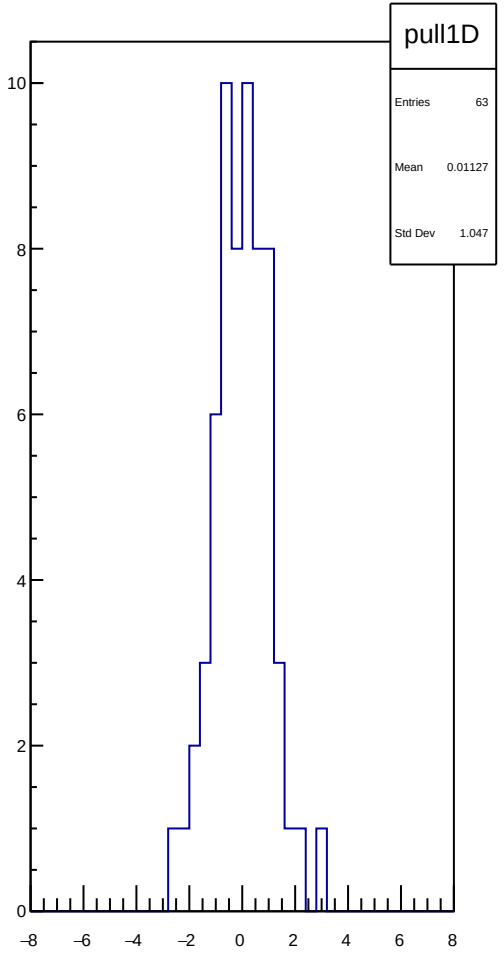

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1105 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950

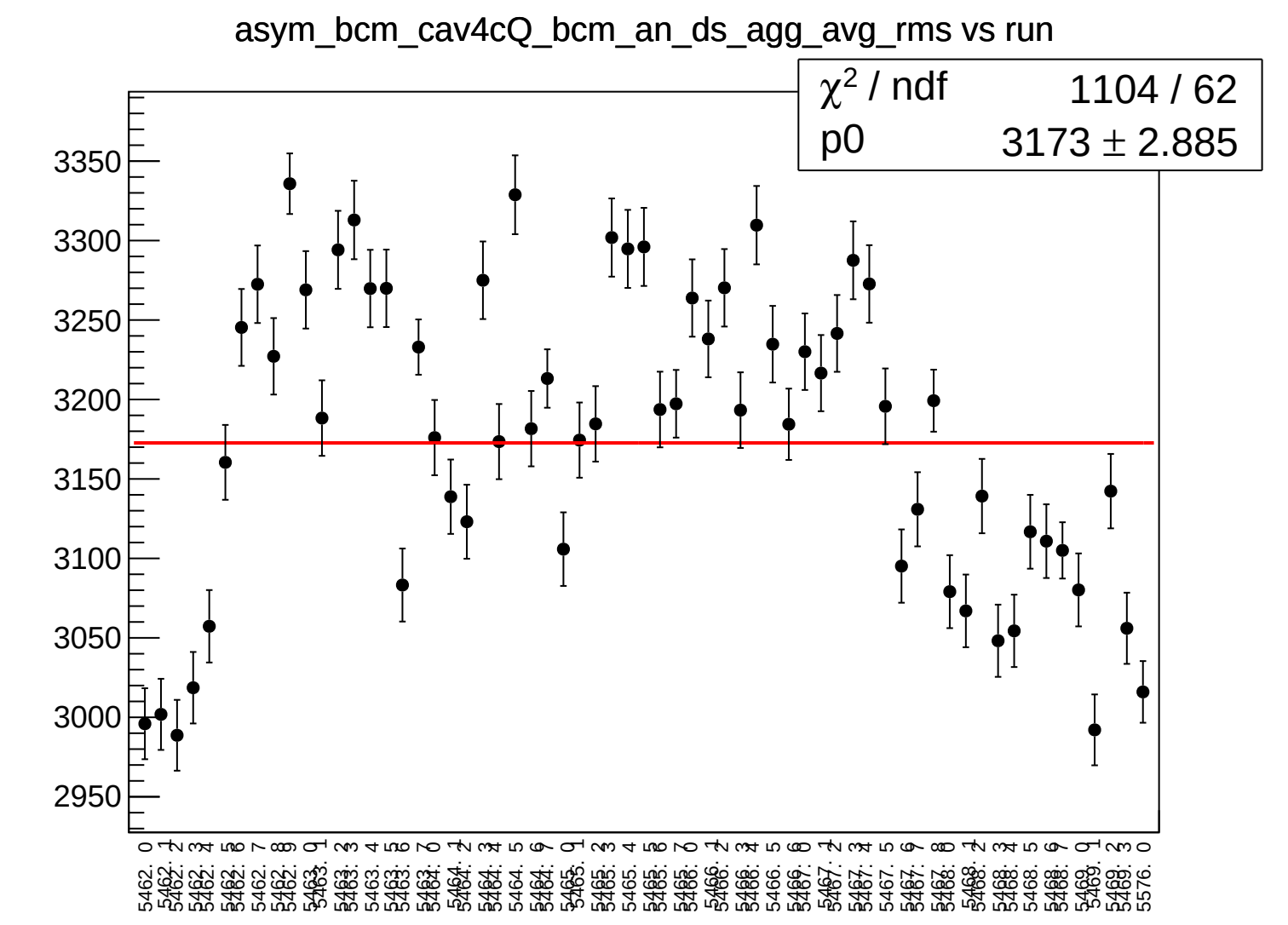

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
×10^3
χ^2 / ndf 68.4 / 62
p0 2309 ± 4066
150
100
50
0
−50
−100
pull
Entries 63
Mean 20.53
Std Dev 0
3
2
1
0
−1
−2
−3

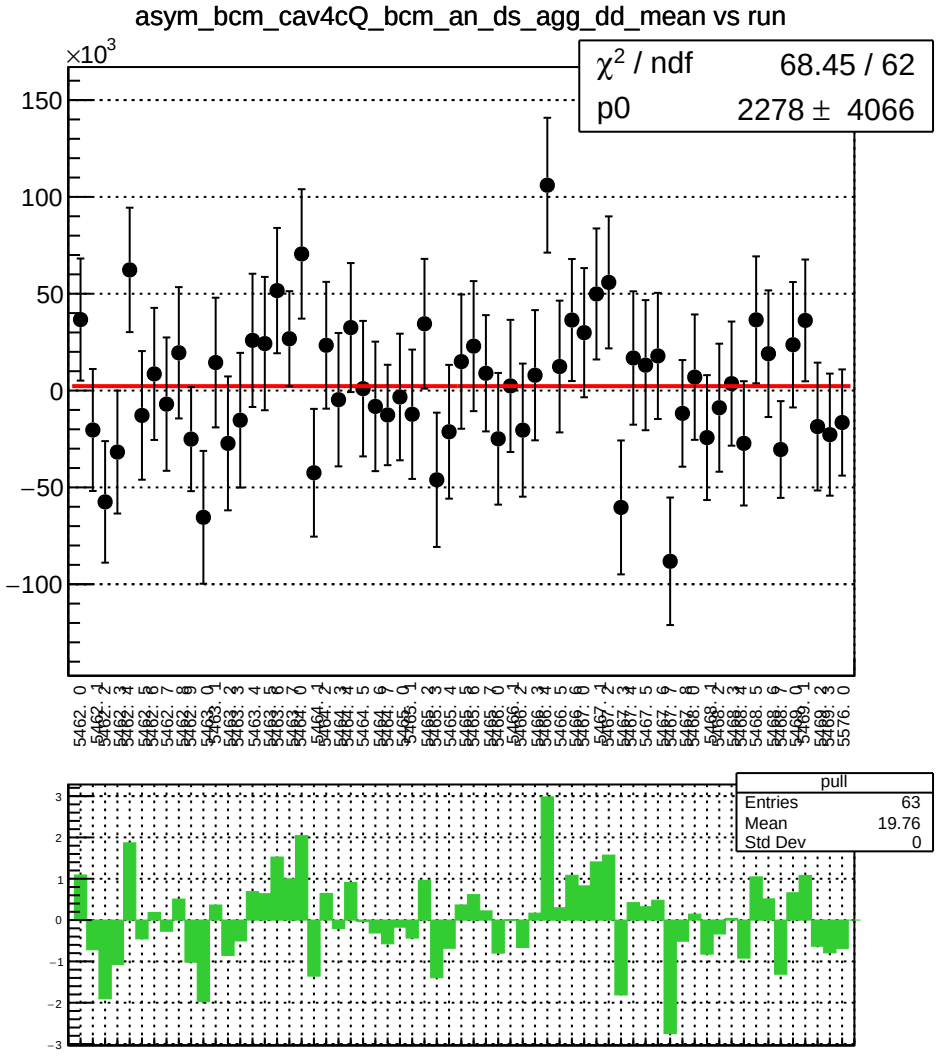

pull1D
Entries 63
Mean 0.01128
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

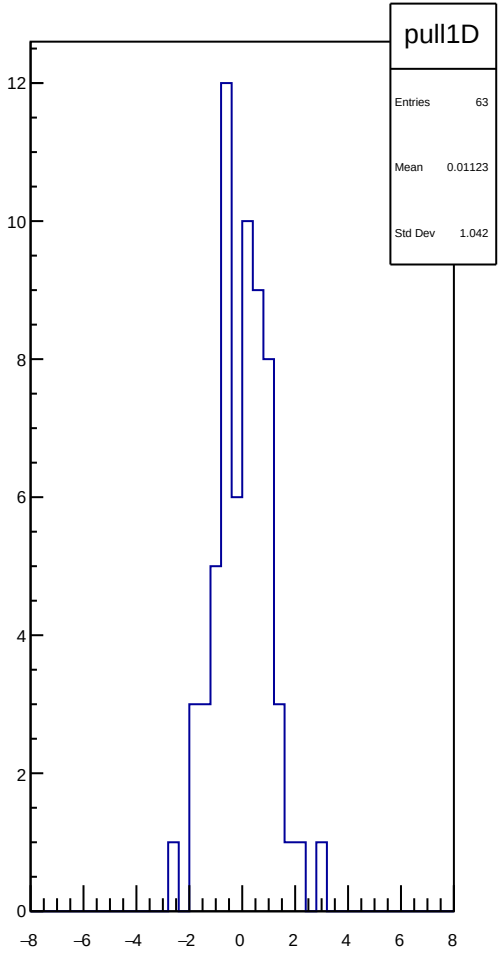

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1091 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950

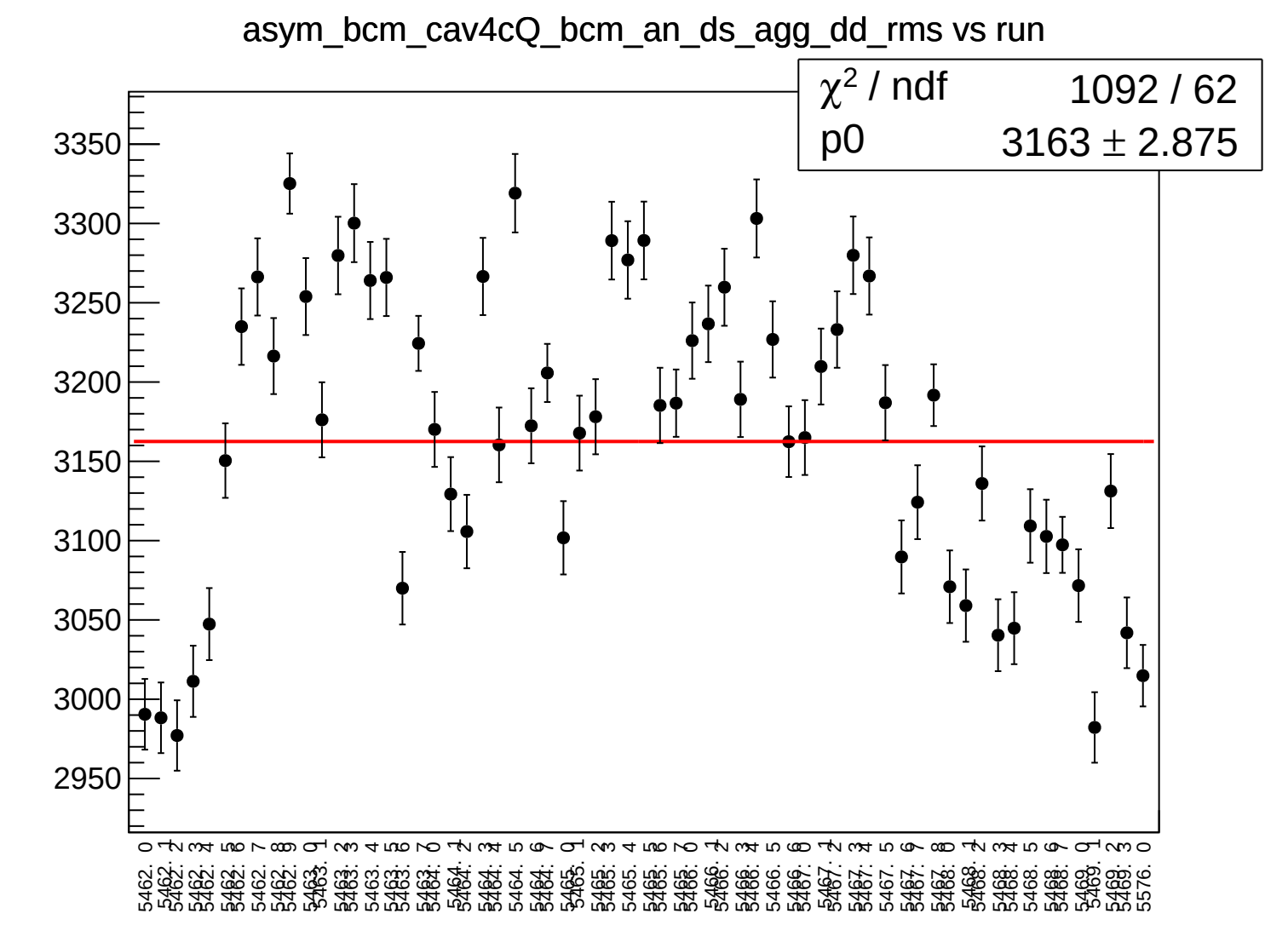

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
×10^3
χ² / ndf 69.01 / 62
p0 2183 ± 4079
150
100
50
0
−50
−100
pull
Entries 63
Mean 13.32
Std Dev 0
3
2
1
0
−1
−2
−3

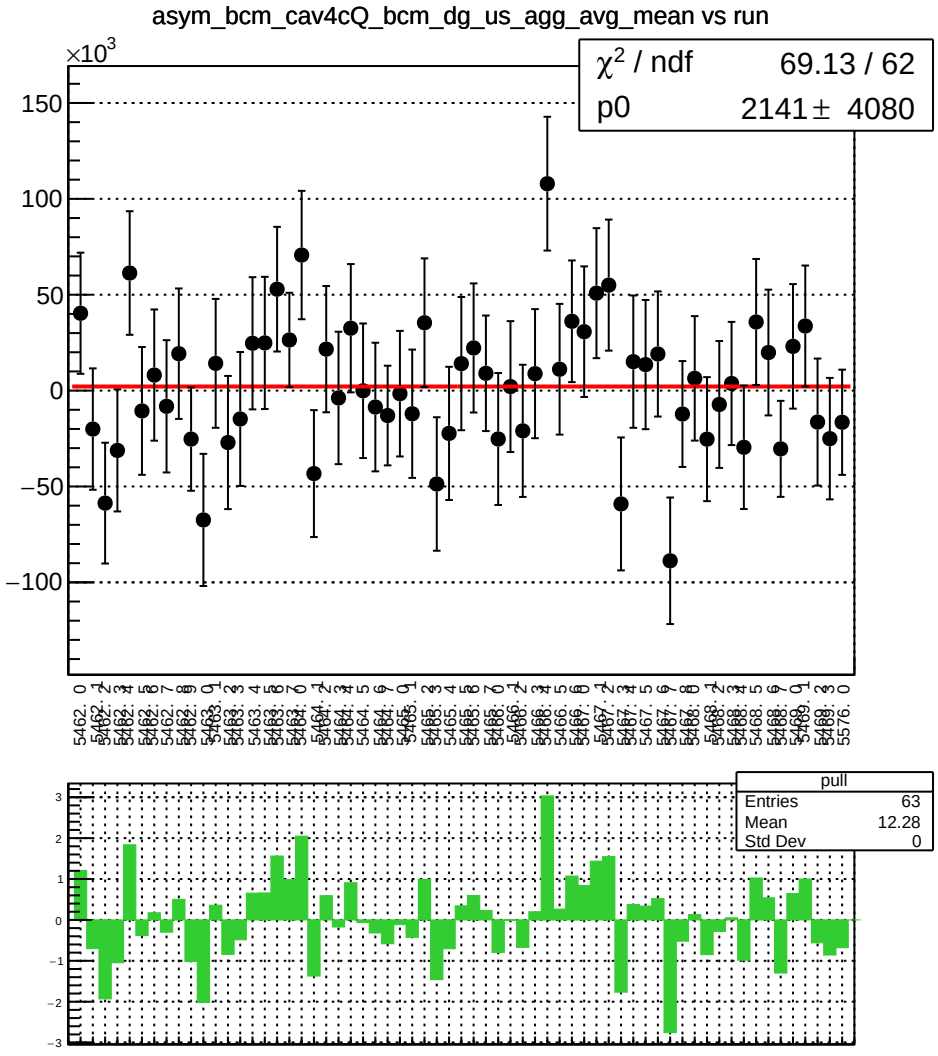

pull1D
Entries 63
Mean 0.01127
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

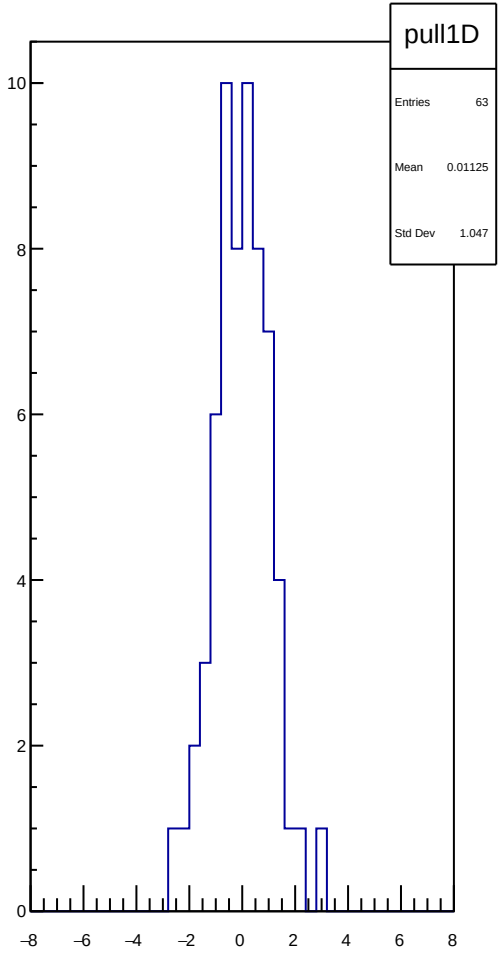

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1104 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950

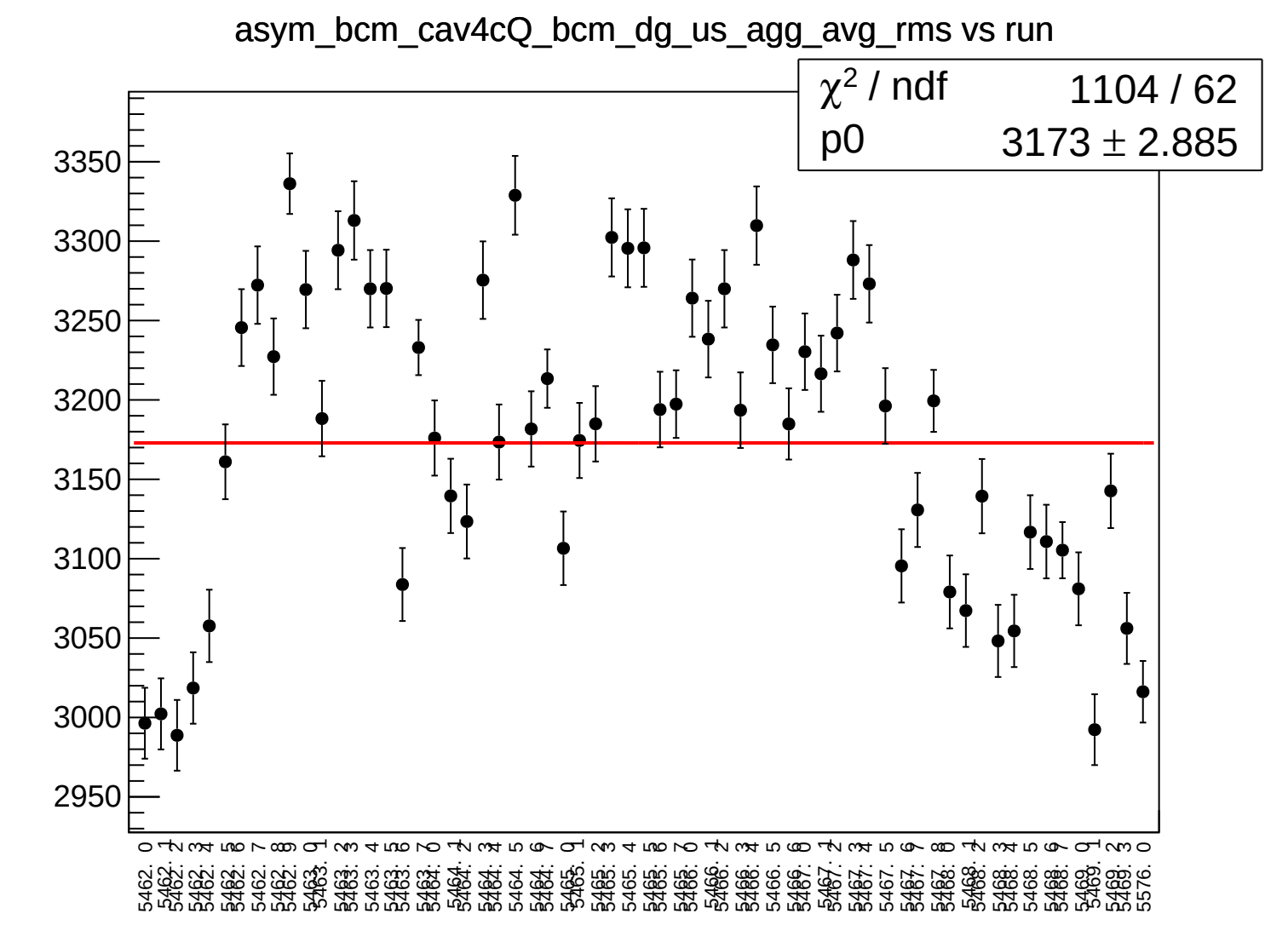

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
×10^3
χ^2 / ndf 68.45 / 62
p0 2278 ± 4066
150
100
50
0
−50
−100
pull
Entries 63
Mean 19.76
Std Dev 0
3
2
1
0
−1
−2
−3

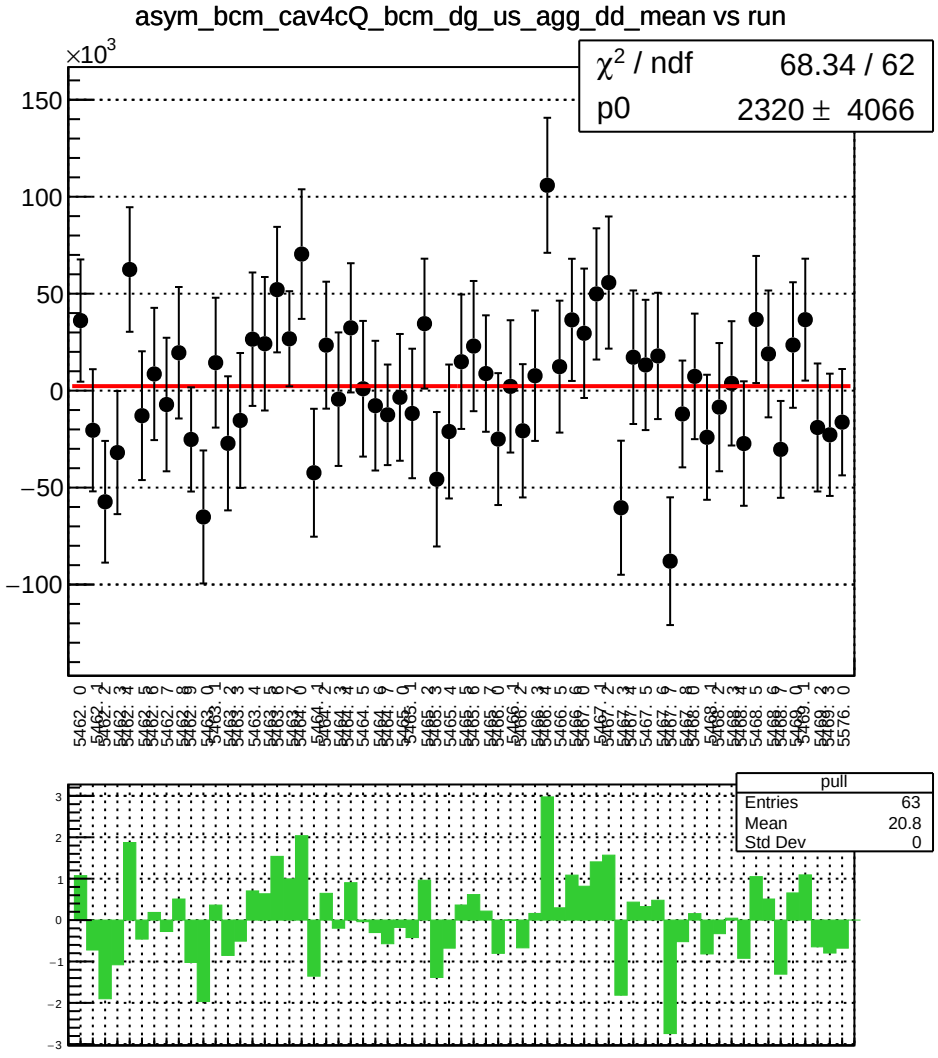

pull1D
Entries 63
Mean 0.01123
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

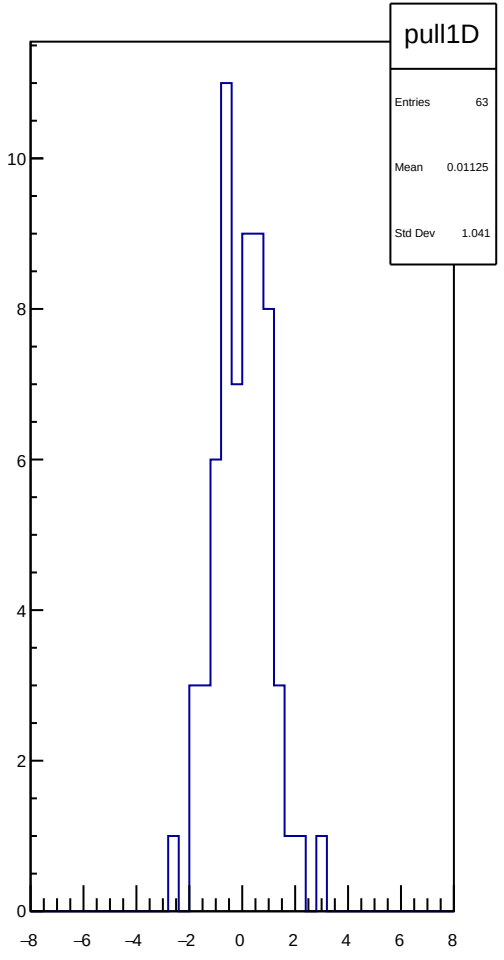

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1092 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950

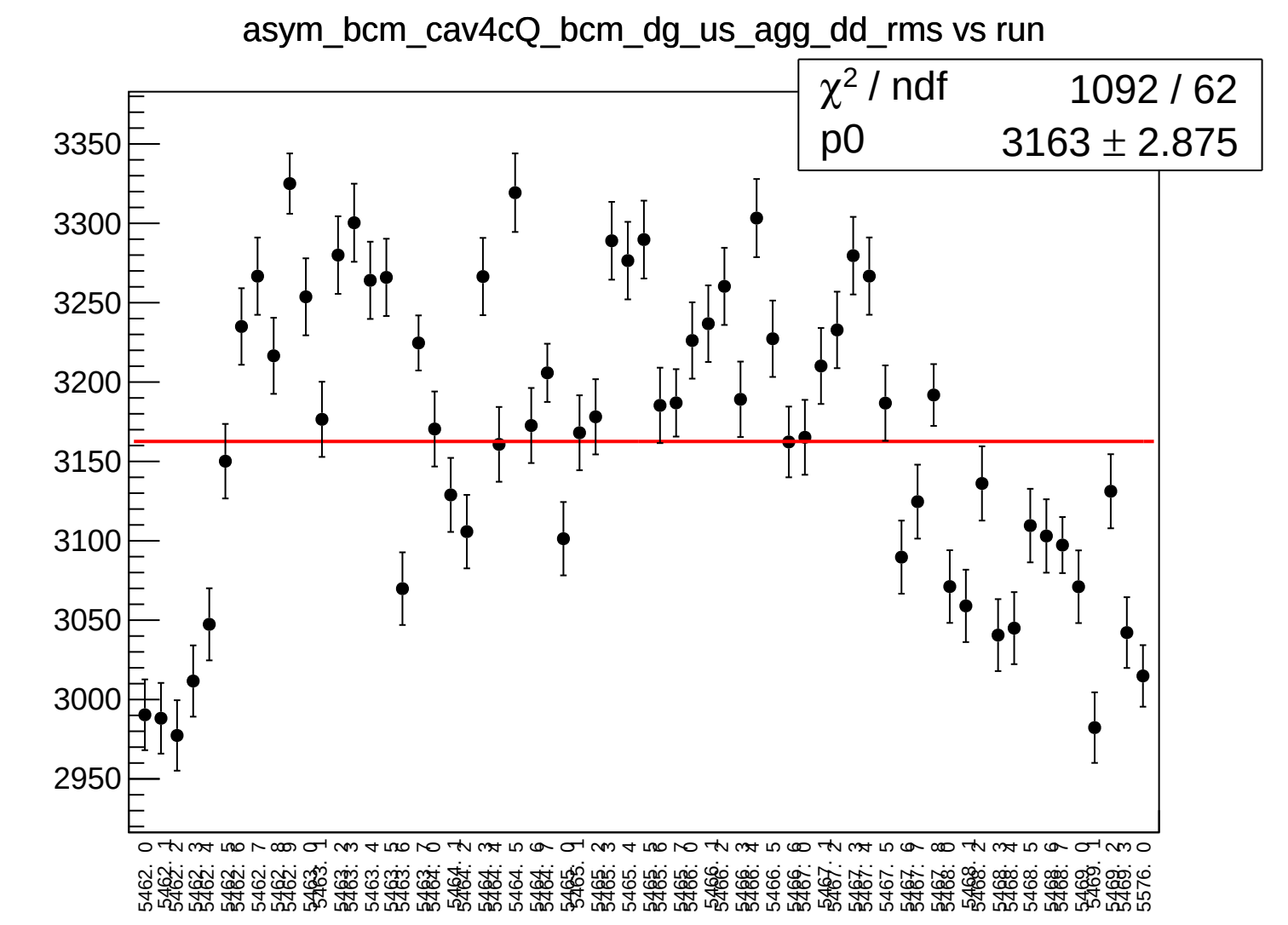

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
×10^3
χ² / ndf 69.13 / 62
p0 2141 ± 4080
150
100
50
0
−50
−100
pull
Entries 63
Mean 12.28
Std Dev 0
3
2
1
0
−1
−2
−3

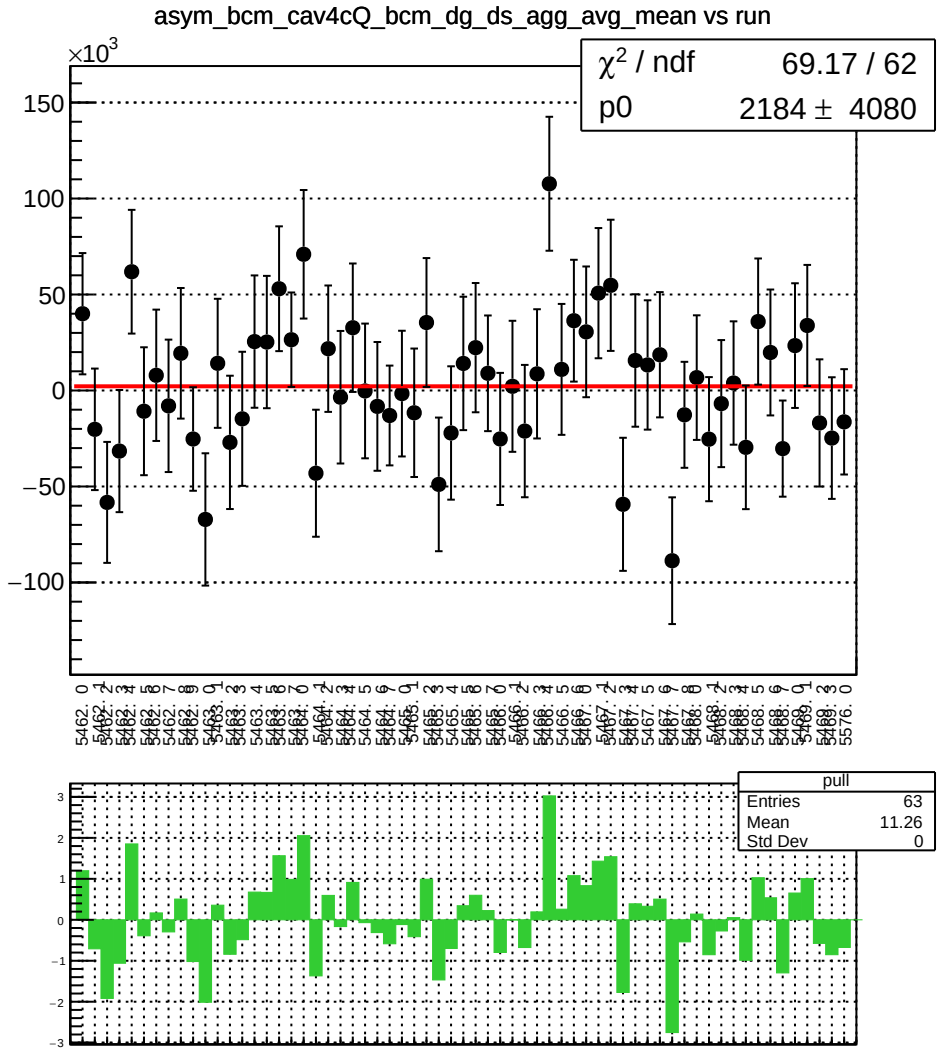

pull1D
Entries 63
Mean 0.01125
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

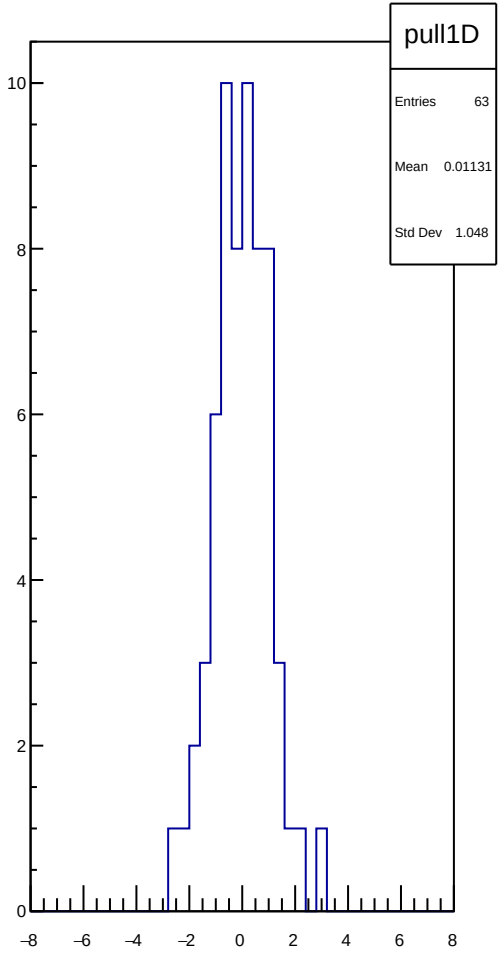

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1104 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950

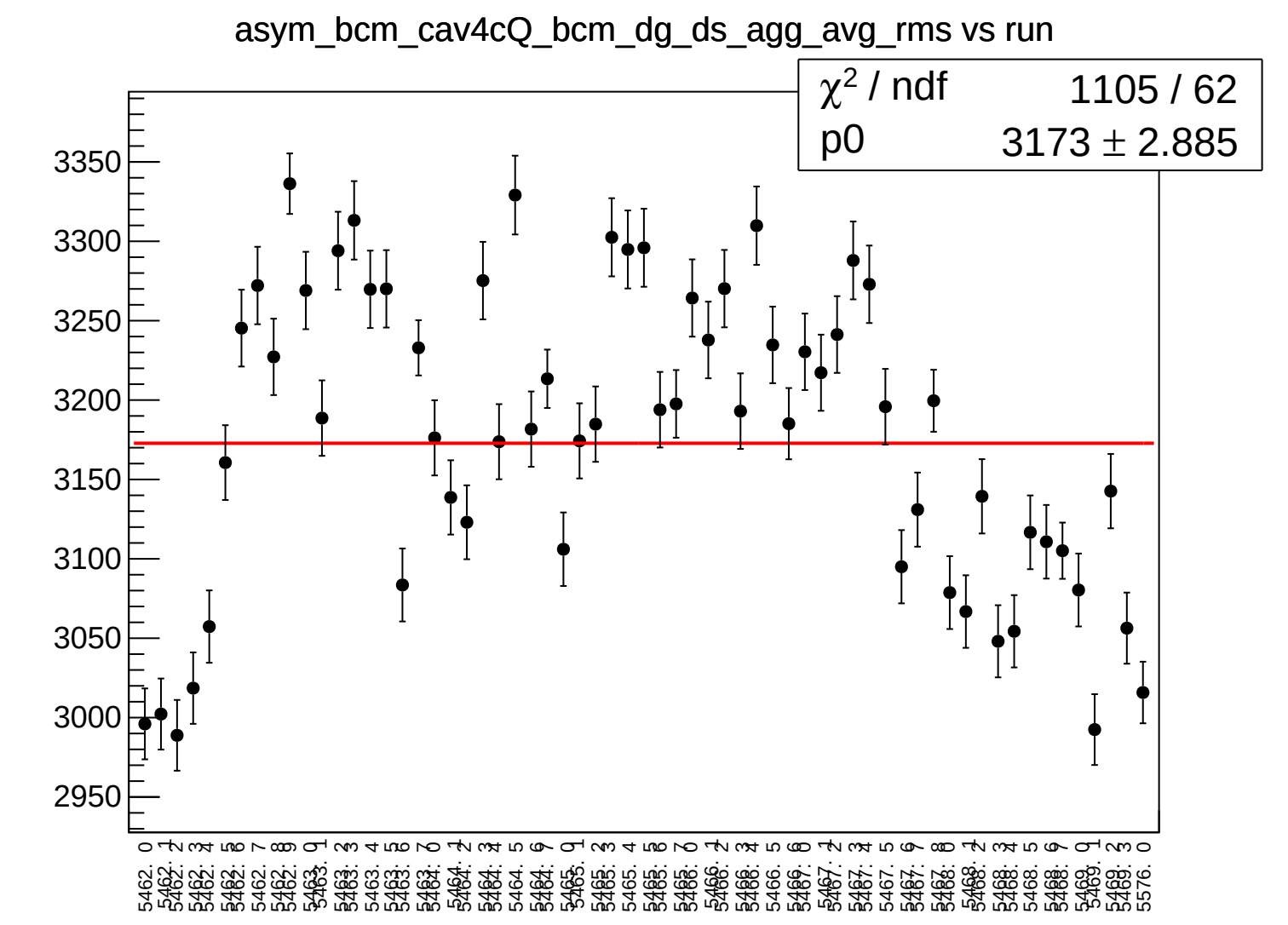

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
×10^3
χ² / ndf 68.34 / 62
p0 2320 ± 4066
150
100
50
0
−50
−100
pull
Entries 63
Mean 20.8
Std Dev 0
3
2
1
0
−1
−2
−3

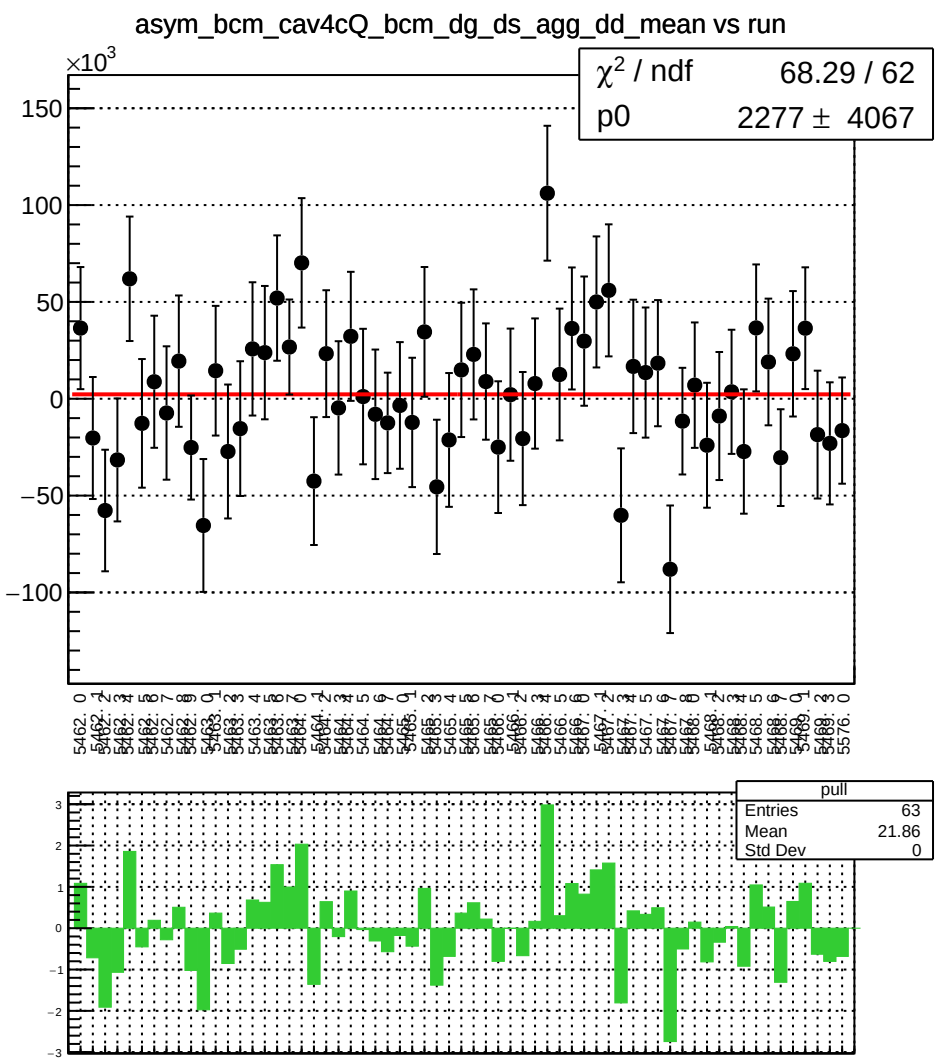

pull1D
Entries 63
Mean 0.01125
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

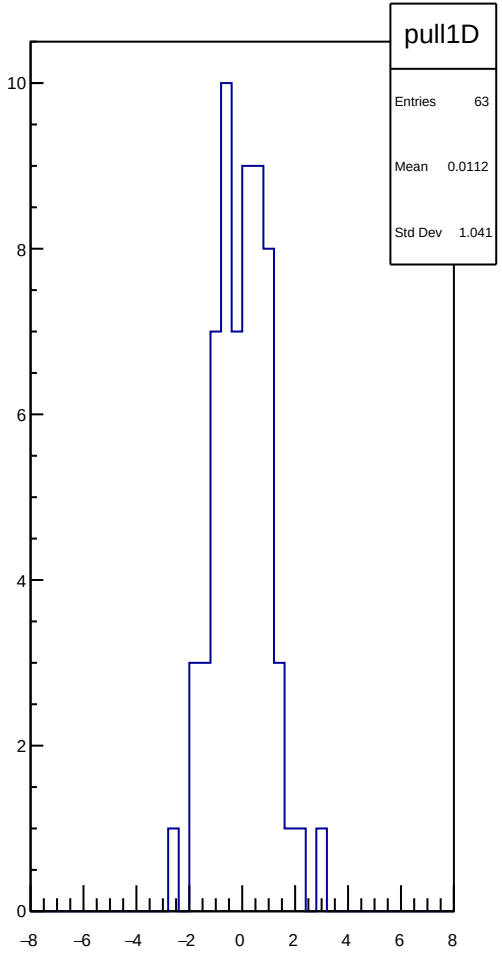

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1092 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950

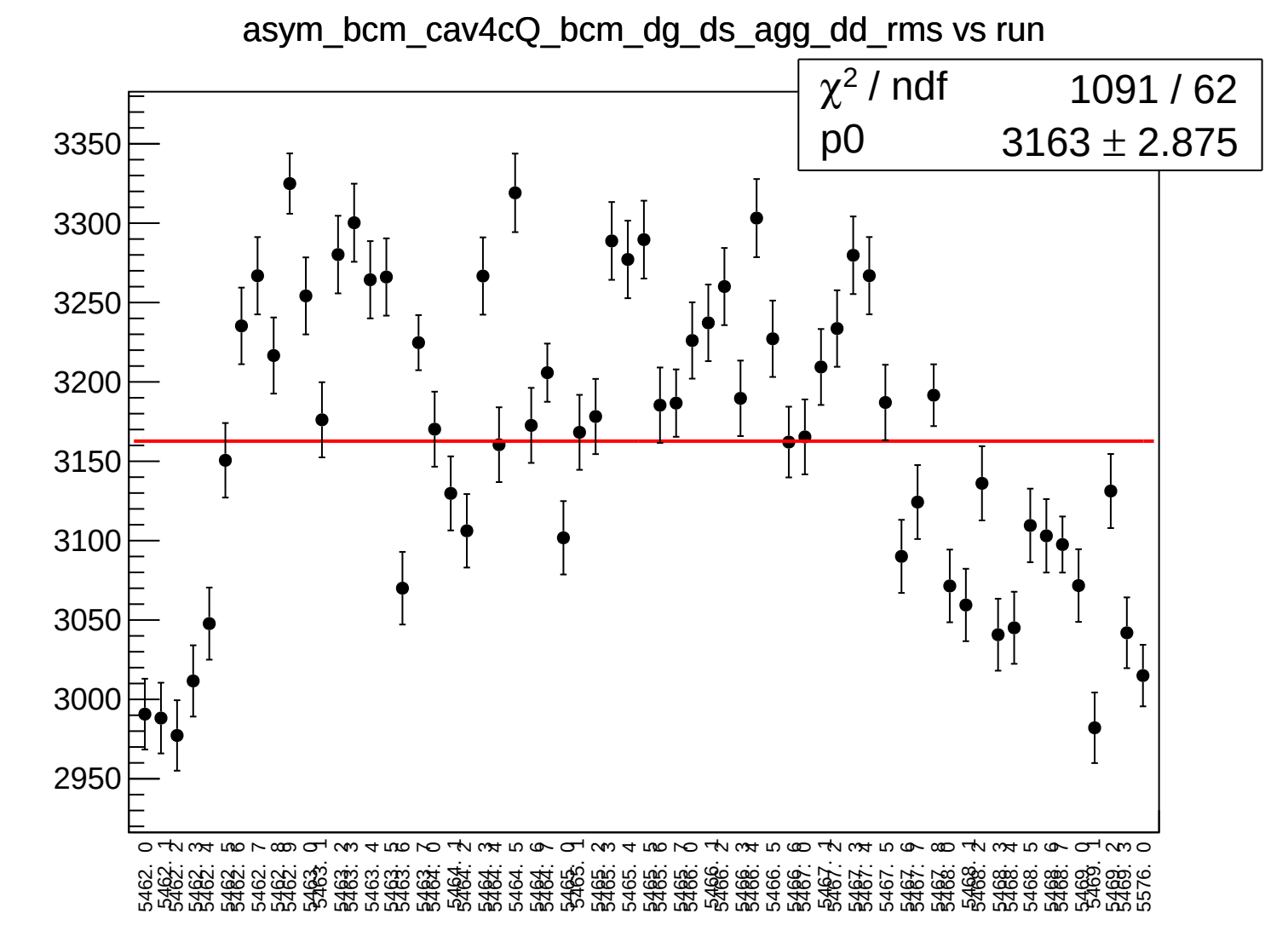

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
×10^3
χ² / ndf 69.17 / 62
p0 2184 ± 4080
150
100
50
0
−50
−100
pull
Entries 63
Mean 11.26
Std Dev 0
3
2
1
0
−1
−2
−3

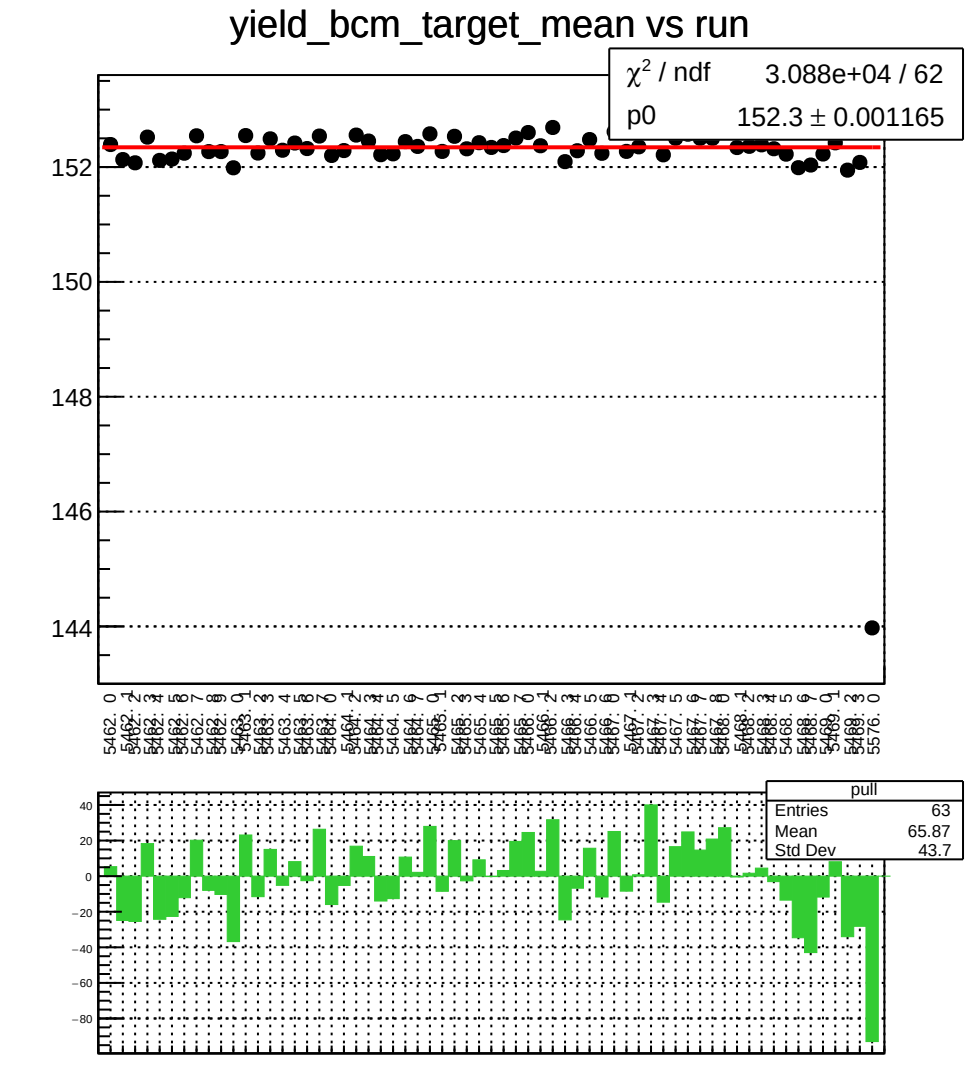

pull1D
Entries 63
Mean 0.01131
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

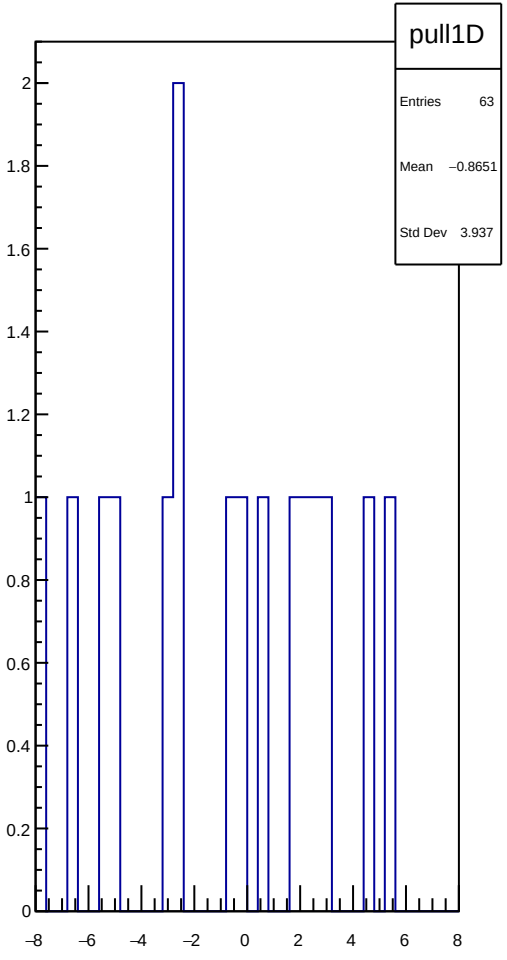

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1105 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950

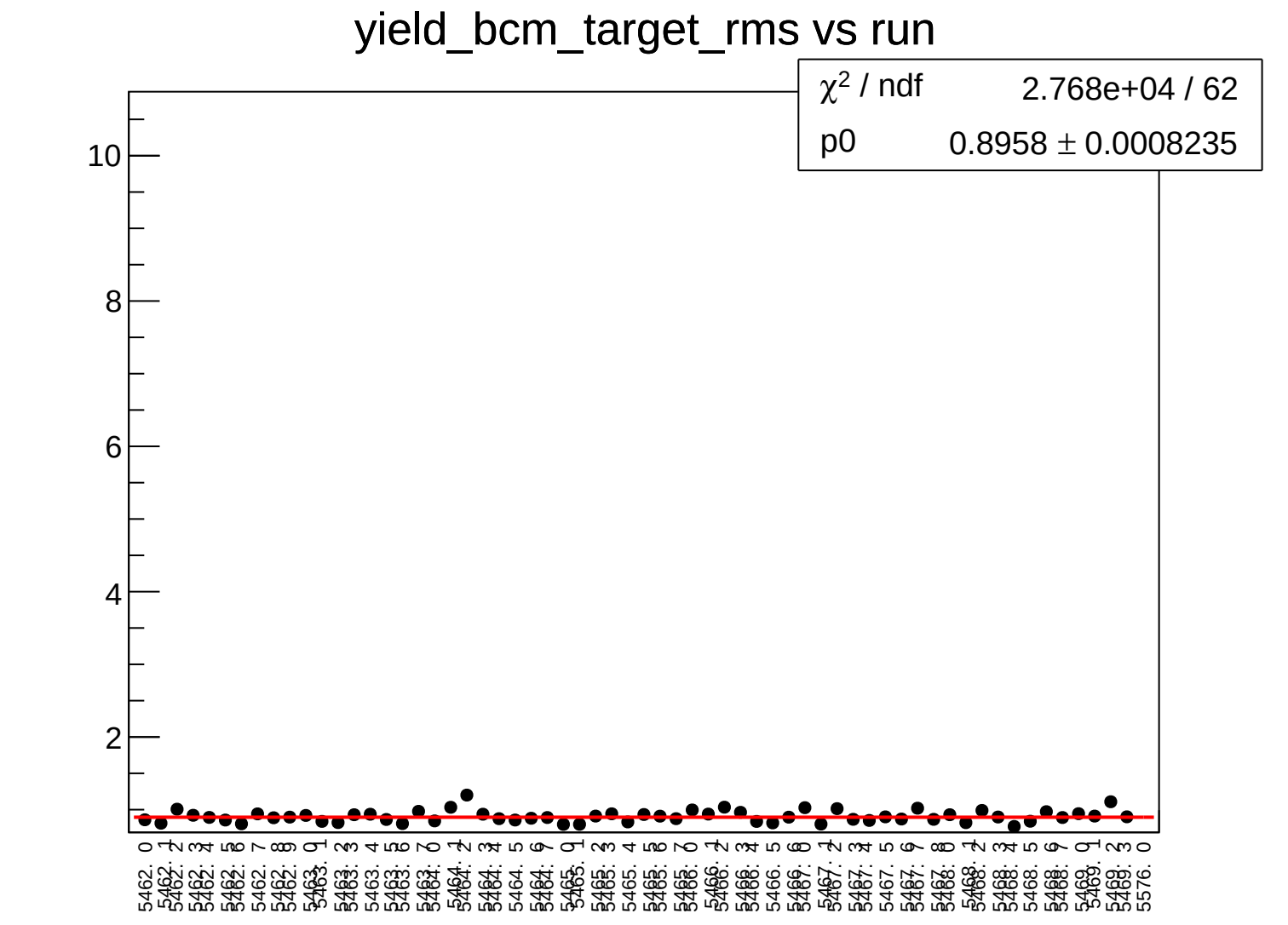

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
×10^3
χ² / ndf 68.29 / 62
p0 2277 ± 4067
150
100
50
0
−50
−100
pull
Entries 63
Mean 21.86
Std Dev 0
3
2
1
0
−1
−2
−3

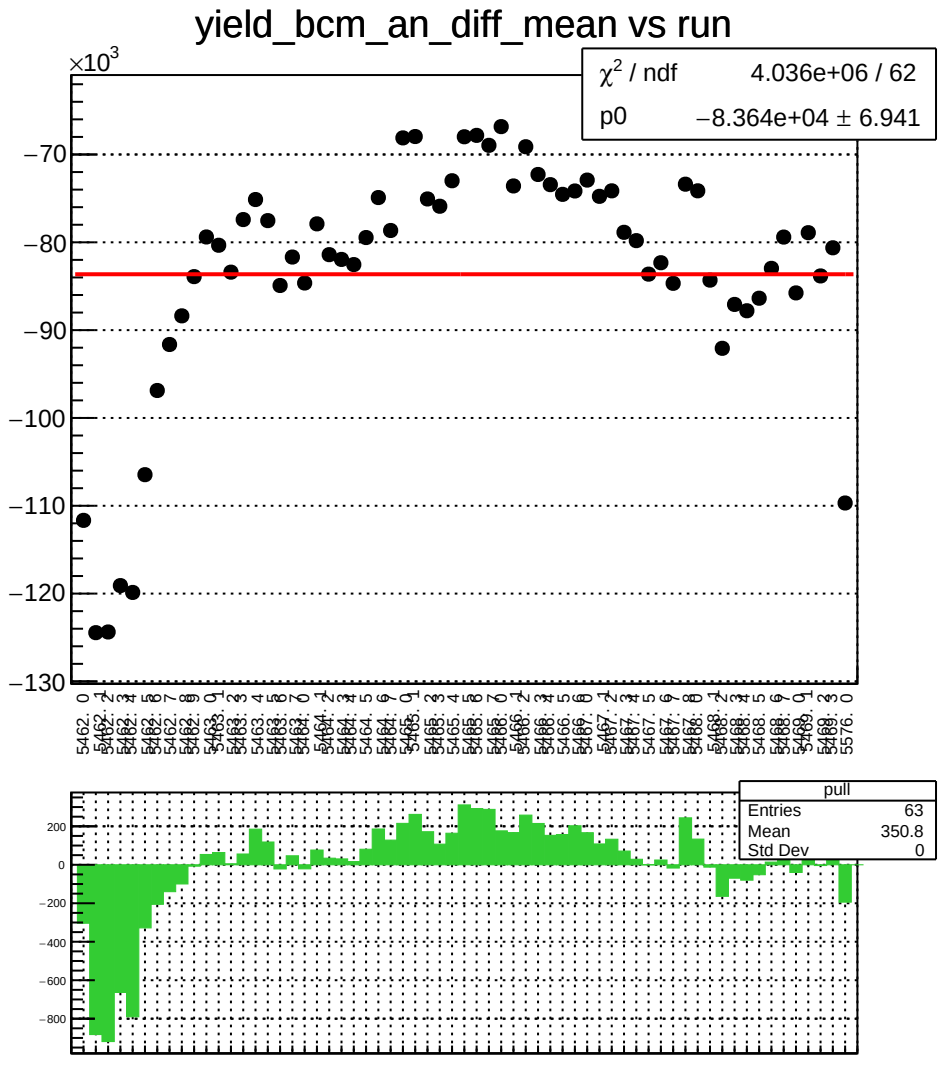

pull1D
Entries 63
Mean 0.0112
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

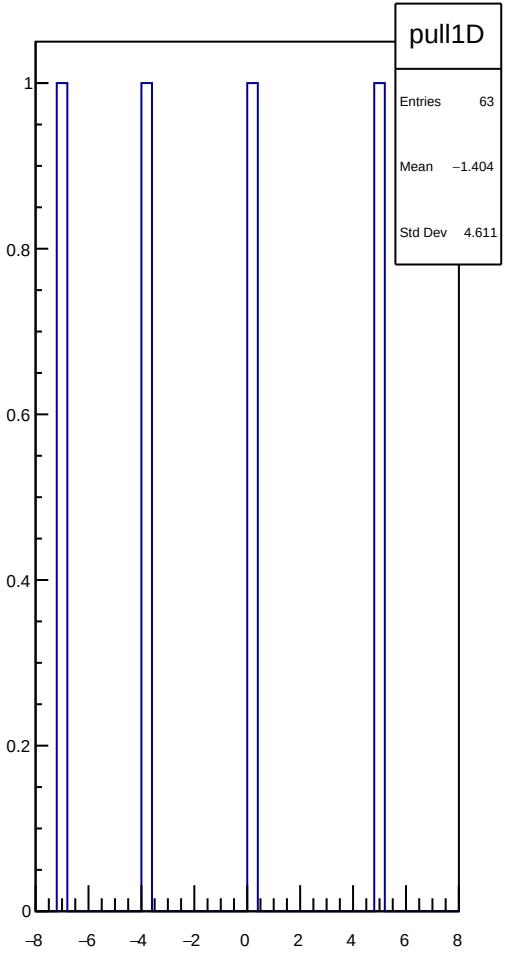

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1091 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950

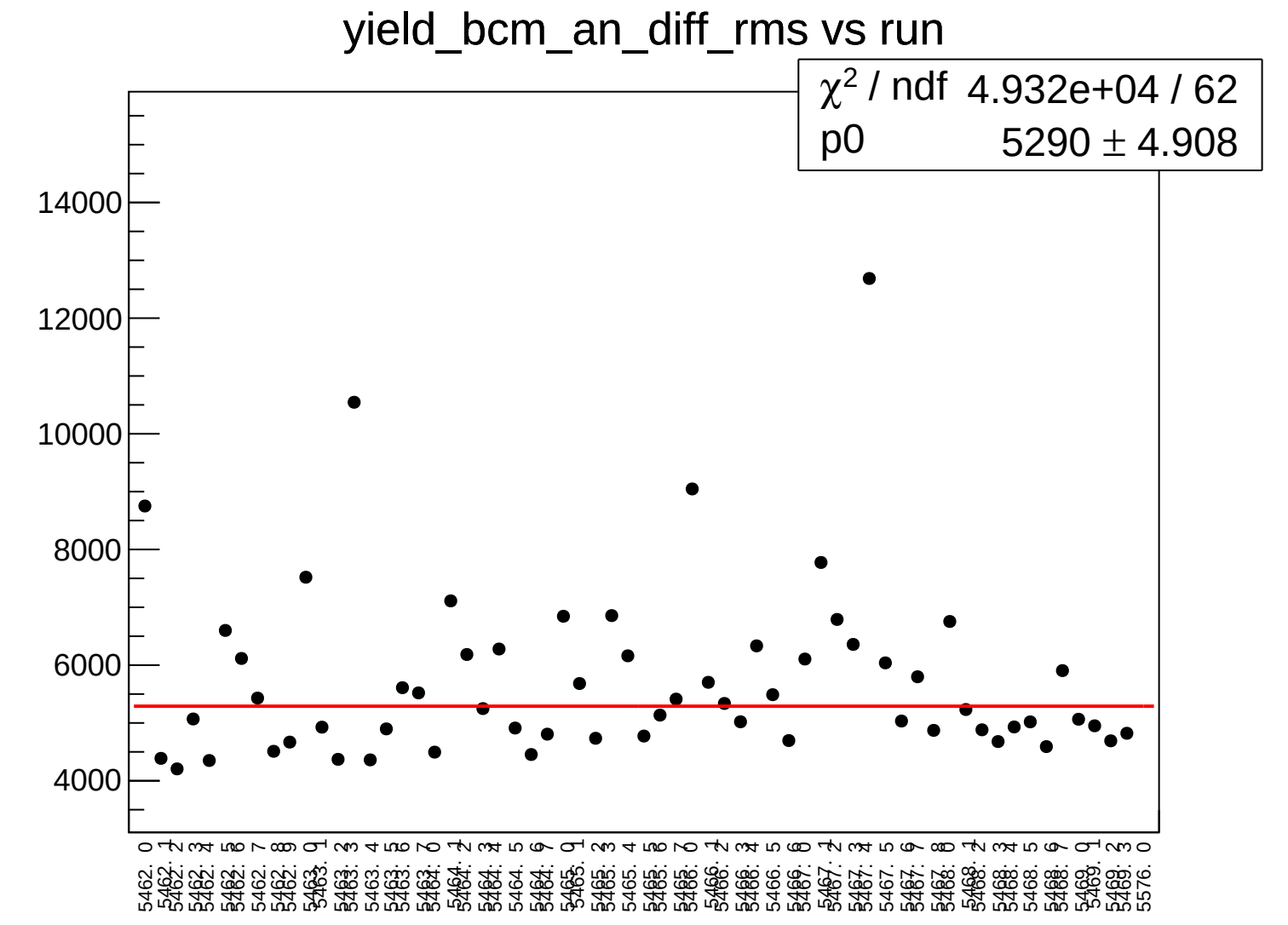

yield_bcm_target_mean vs run
χ² / ndf 3.088e+04 / 62
p0 152.3 ± 0.001165
152
150
148
146
144
pull
Entries 63
Mean 65.87
Std Dev 43.7
40
20
0
−20
−40
−60
−80

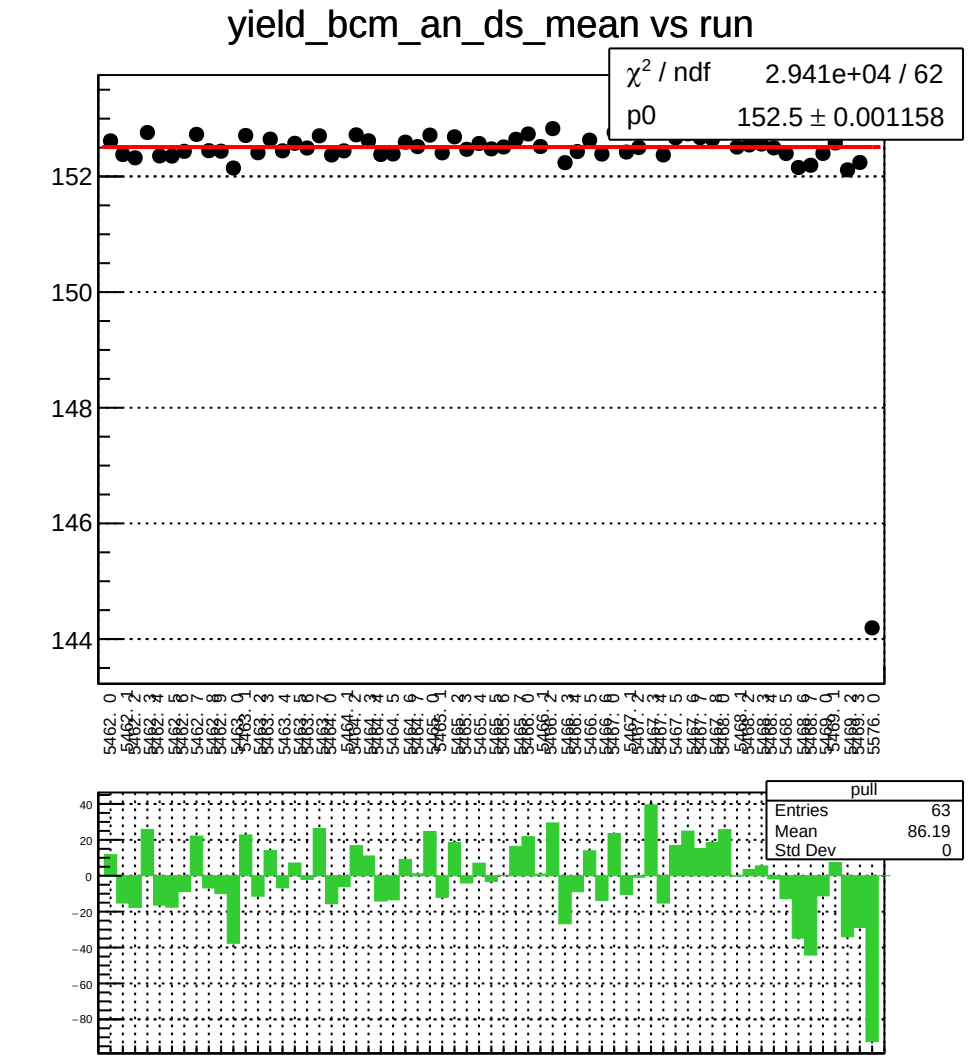

pull1D
Entries 63
Mean −0.8651
Std Dev 3.937
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

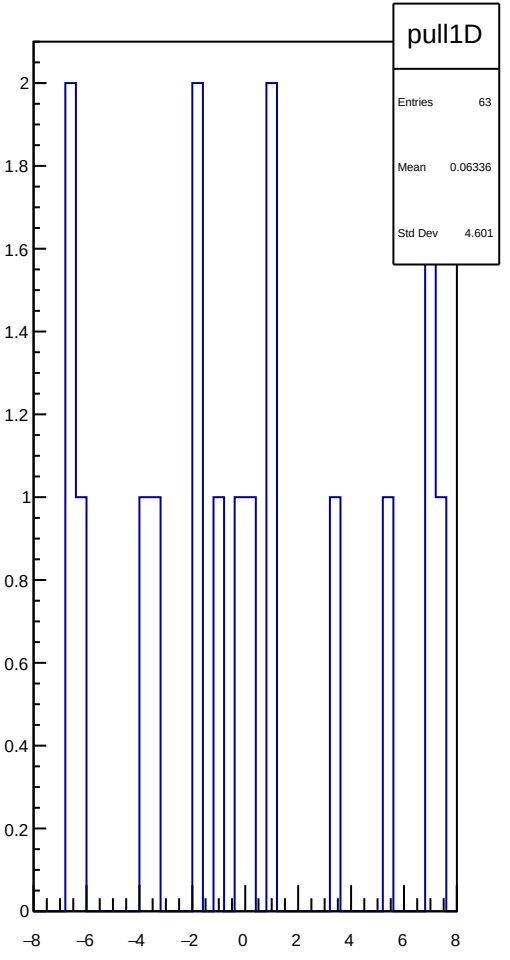

yield_bcm_target_rms vs run
χ² / ndf 2.768e+04 / 62
p0 0.8958 ± 0.0008235
10
8
6
4
2

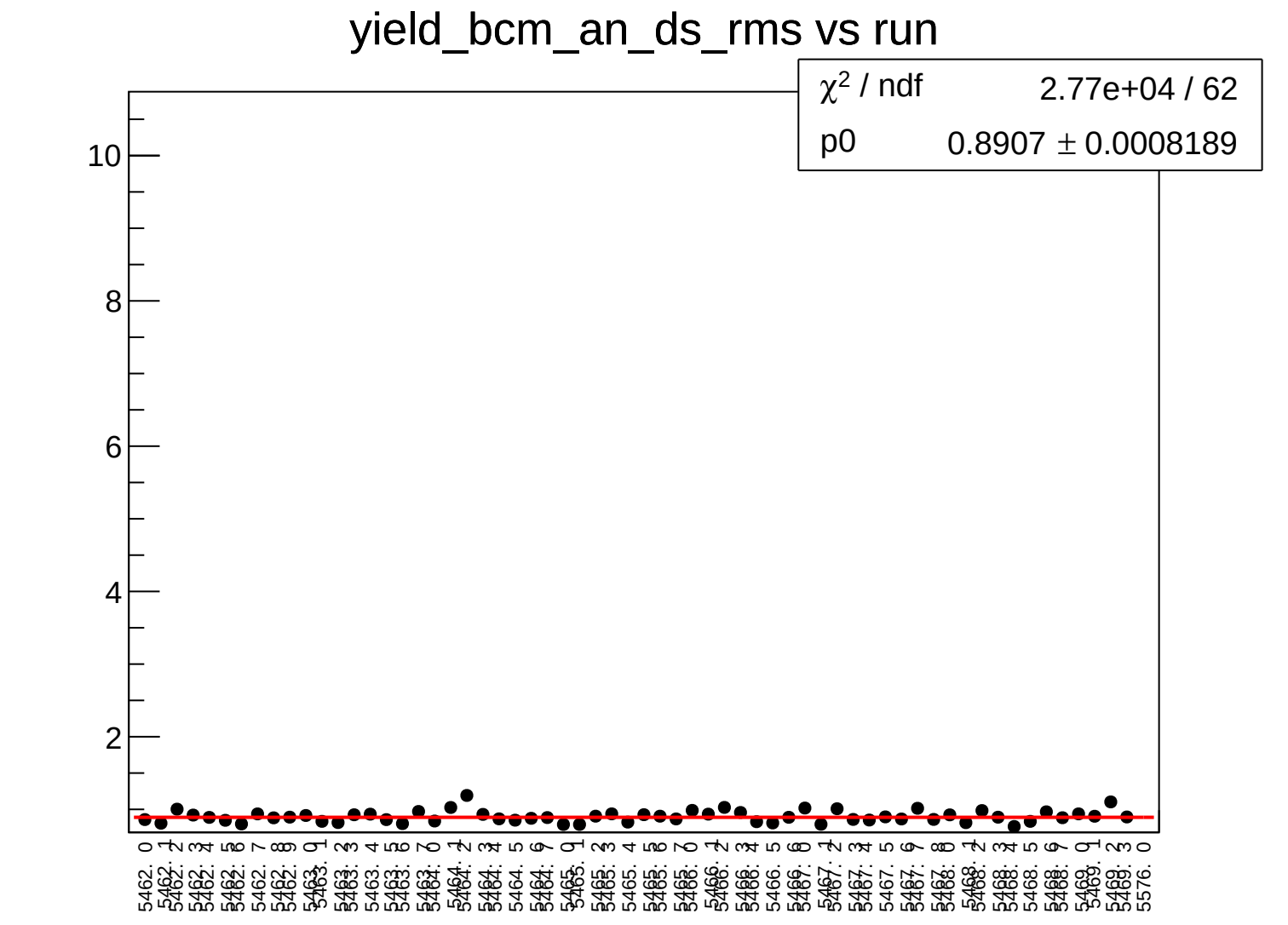

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 4.036e+06 / 62
p0 −8.364e+04 ± 6.941
−70
−80
−90
−100
−110
−120
−130
pull
Entries 63
Mean 350.8
Std Dev 0
200
0
−200
−400
−600
−800

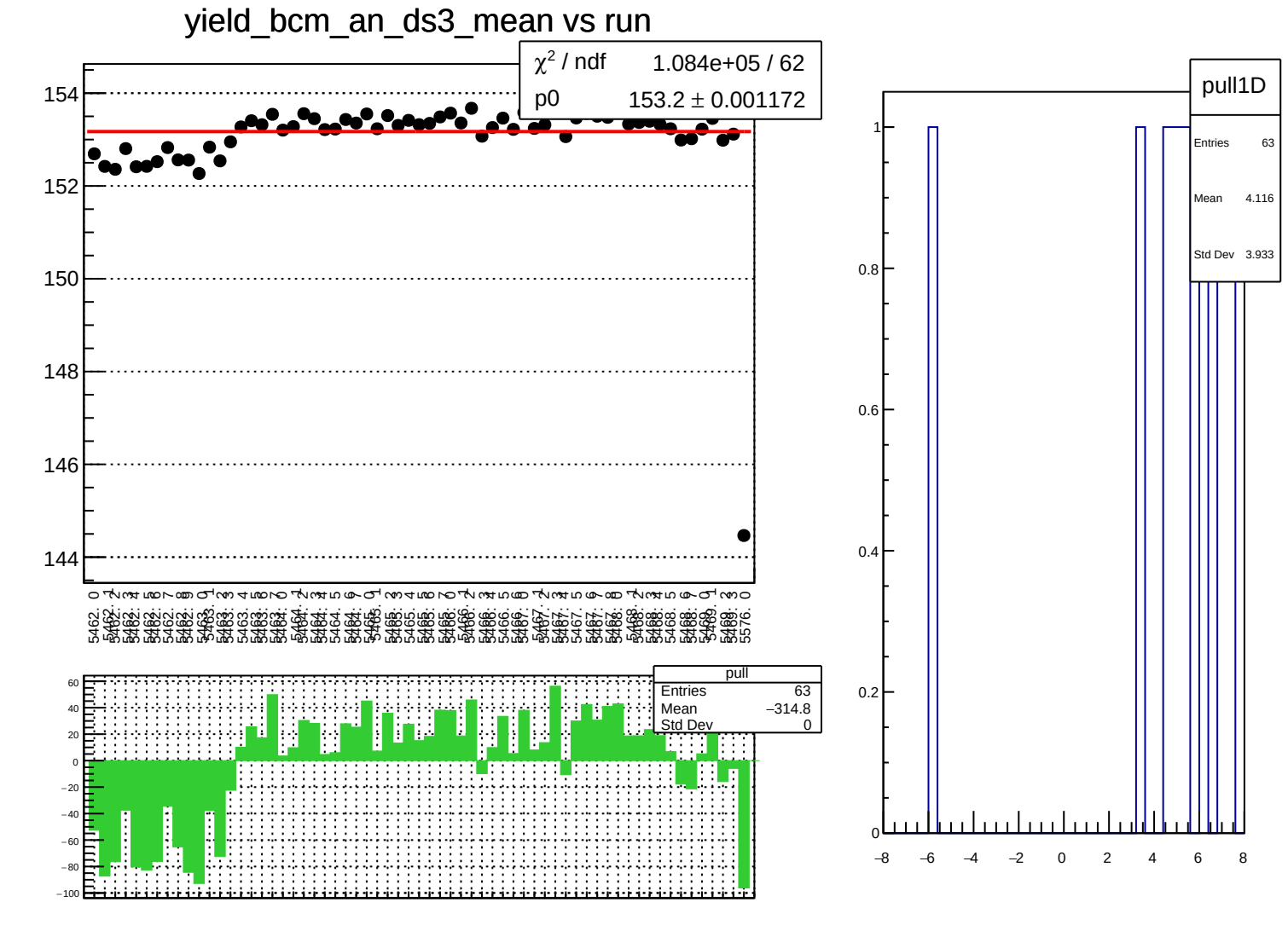

pull1D
Entries 63
Mean −1.404
Std Dev 4.611
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

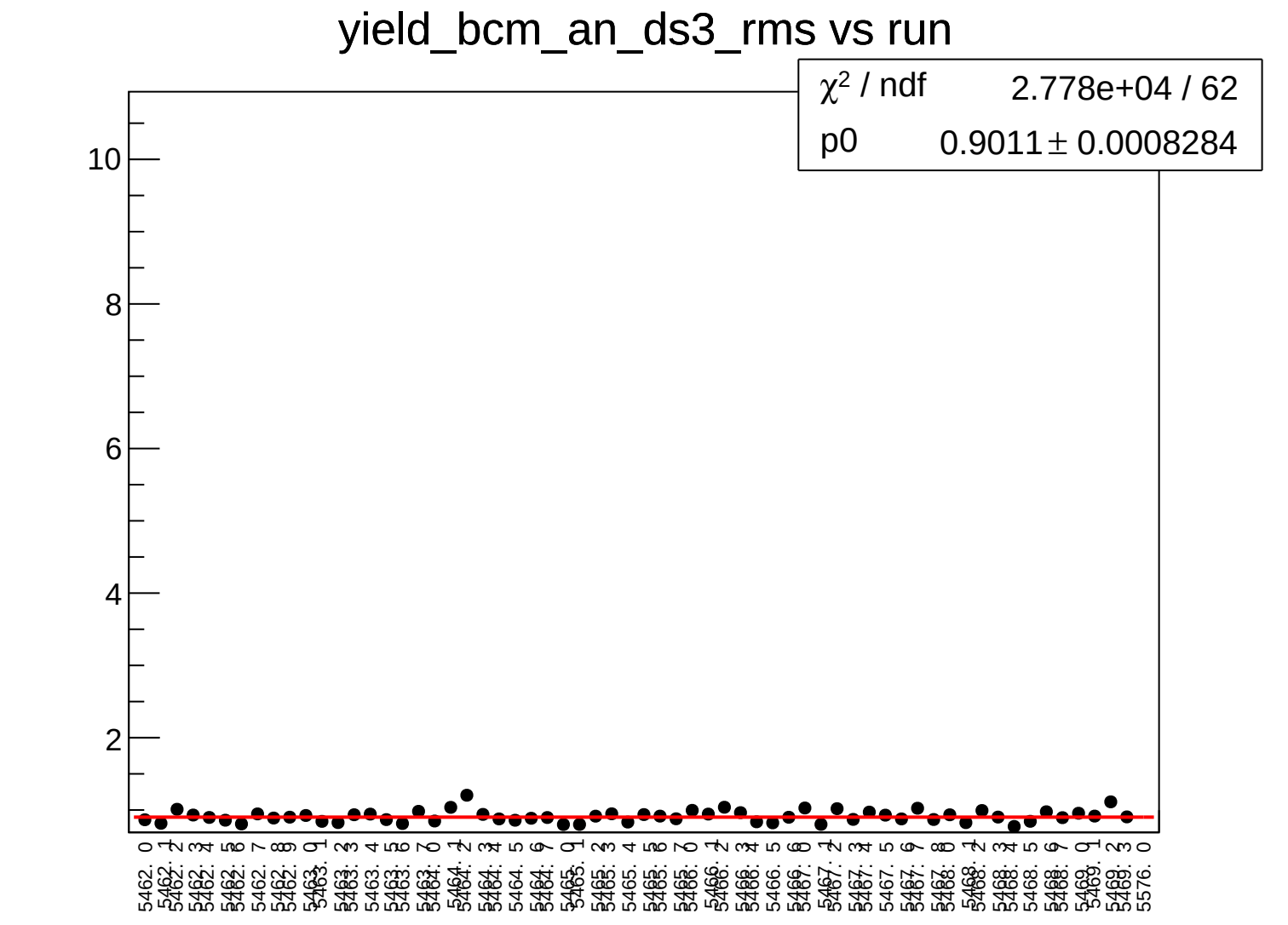

yield_bcm_an_diff_rms vs run
χ² / ndf 4.932e+04 / 62
p0 5290 ± 4.908
14000
12000
10000
8000
6000
4000

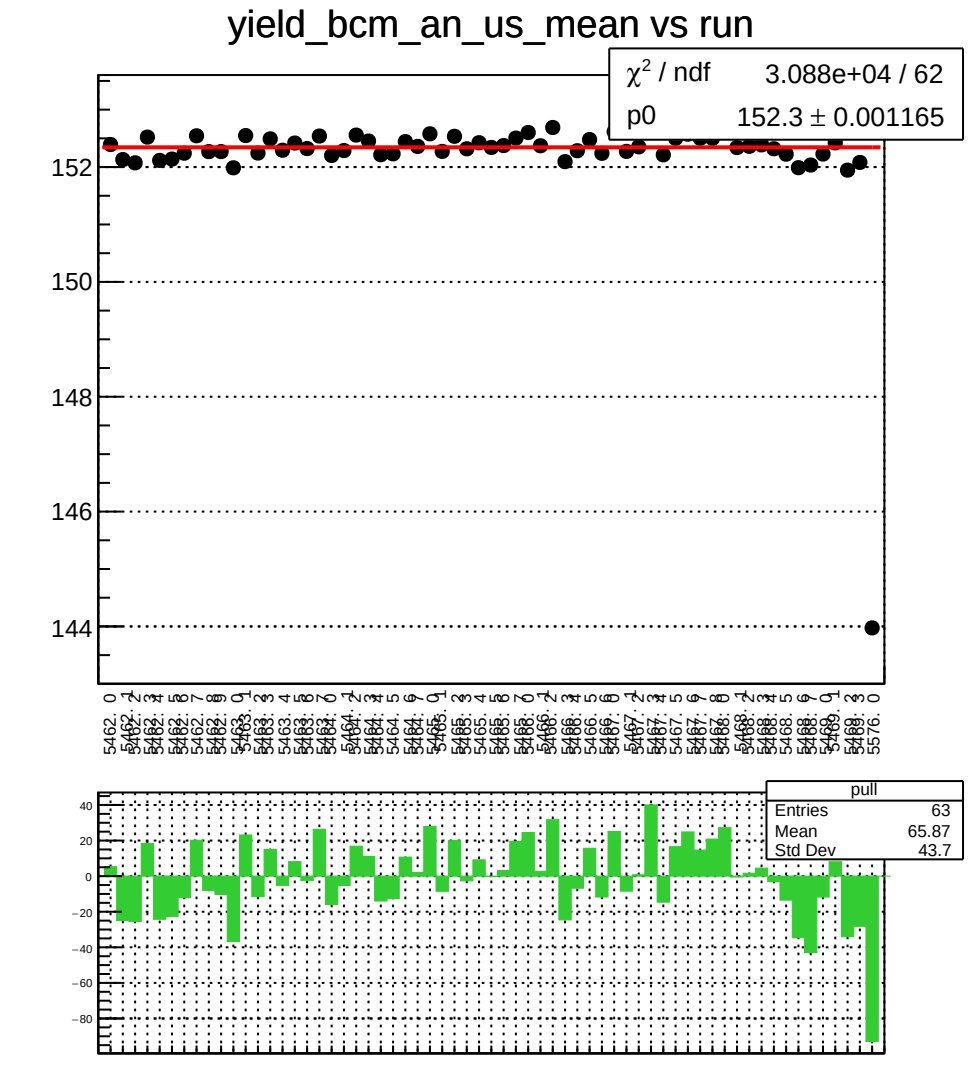

yield_bcm_an_ds_mean vs run
χ² / ndf 2.941e+04 / 62
p0 152.5 ± 0.001158
152
150
148
146
144
pull
Entries 63
Mean 86.19
Std Dev 0
40
20
0
−20
−40
−60
−80

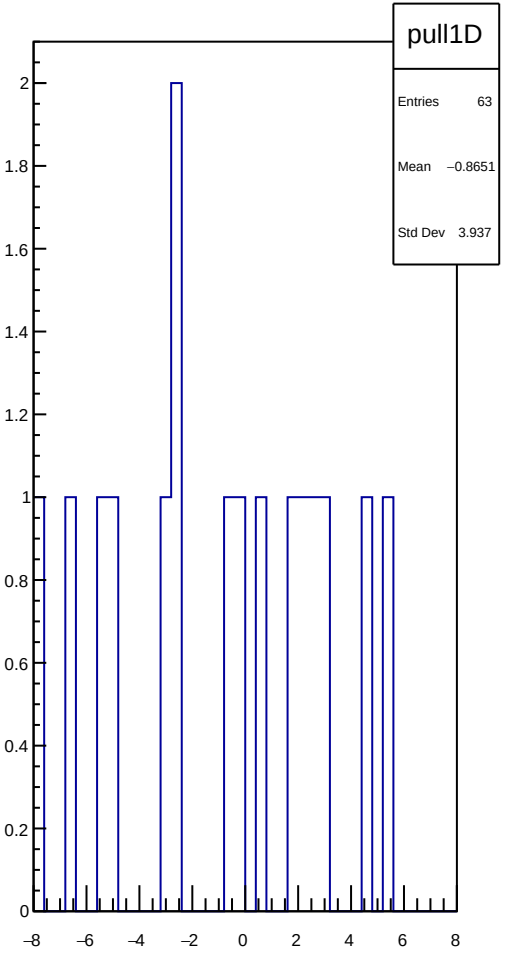

pull1D
Entries 63
Mean 0.06336
Std Dev 4.601
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

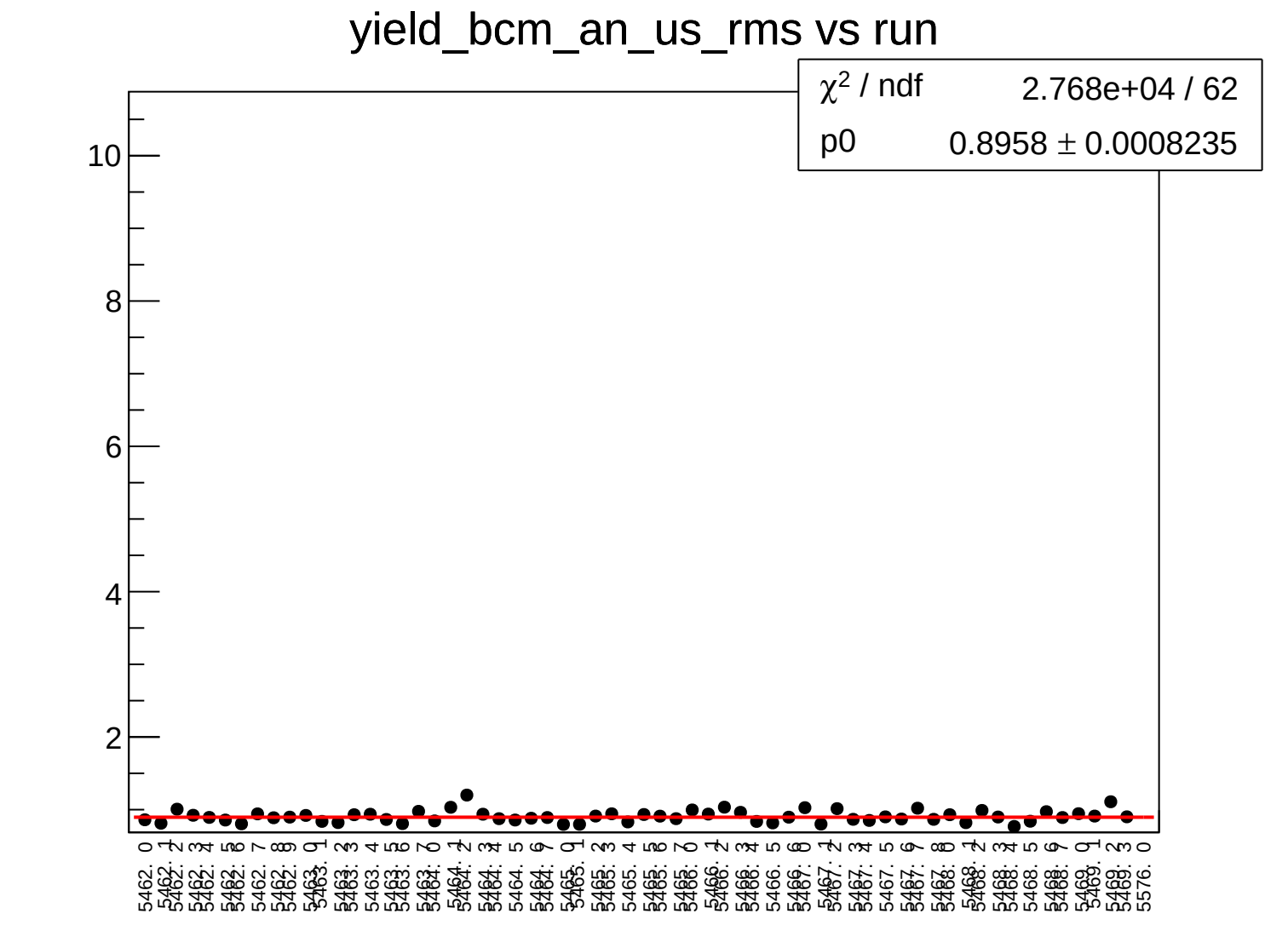

yield_bcm_an_ds_rms vs run
χ² / ndf 2.77e+04 / 62
p0 0.8907 ± 0.0008189
10
8
6
4
2
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

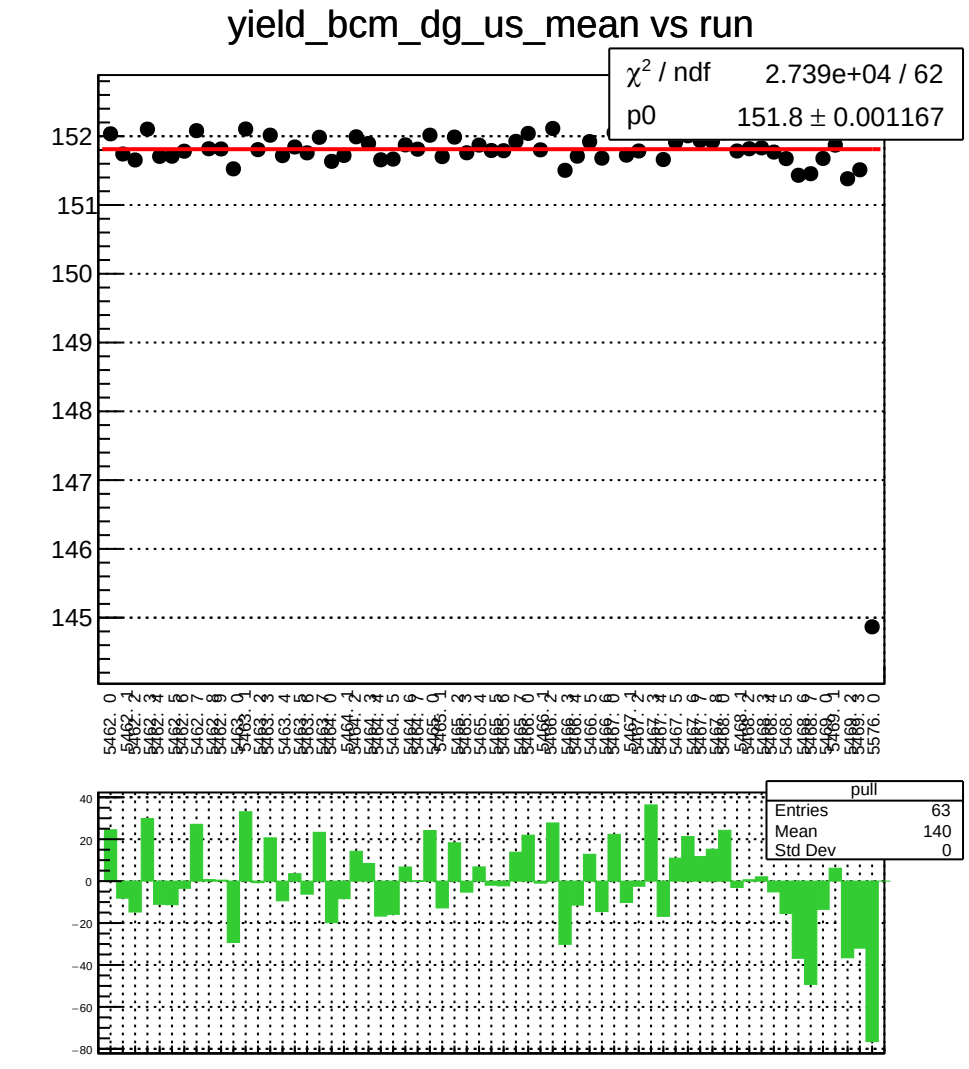

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.084e+05 / 62
p0 153.2 ± 0.001172
154
152
150
148
146
144
pull
Entries 63
Mean −314.8
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 63
Mean 4.116
Std Dev 3.933
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

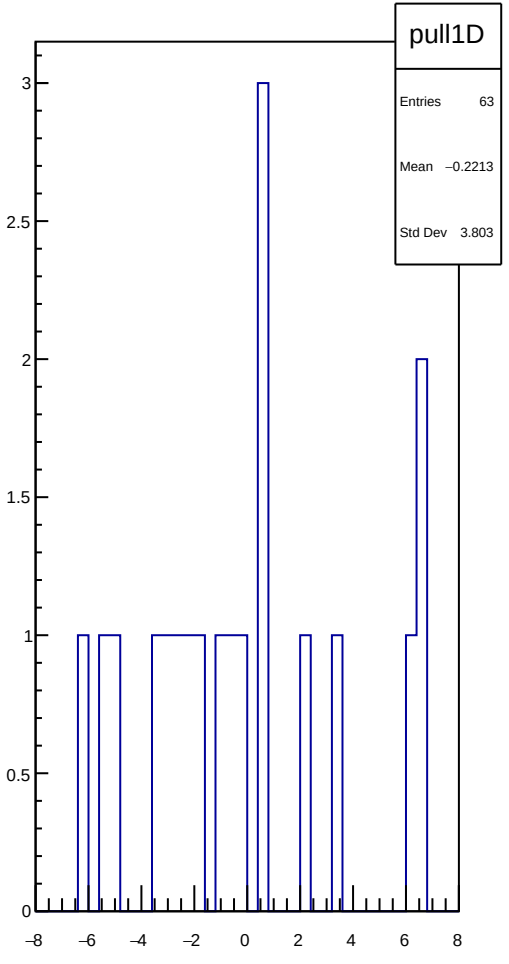

yield_bcm_an_ds3_rms vs run
χ² / ndf 2.778e+04 / 62
p0 0.9011 ± 0.0008284
10
8
6
4
2

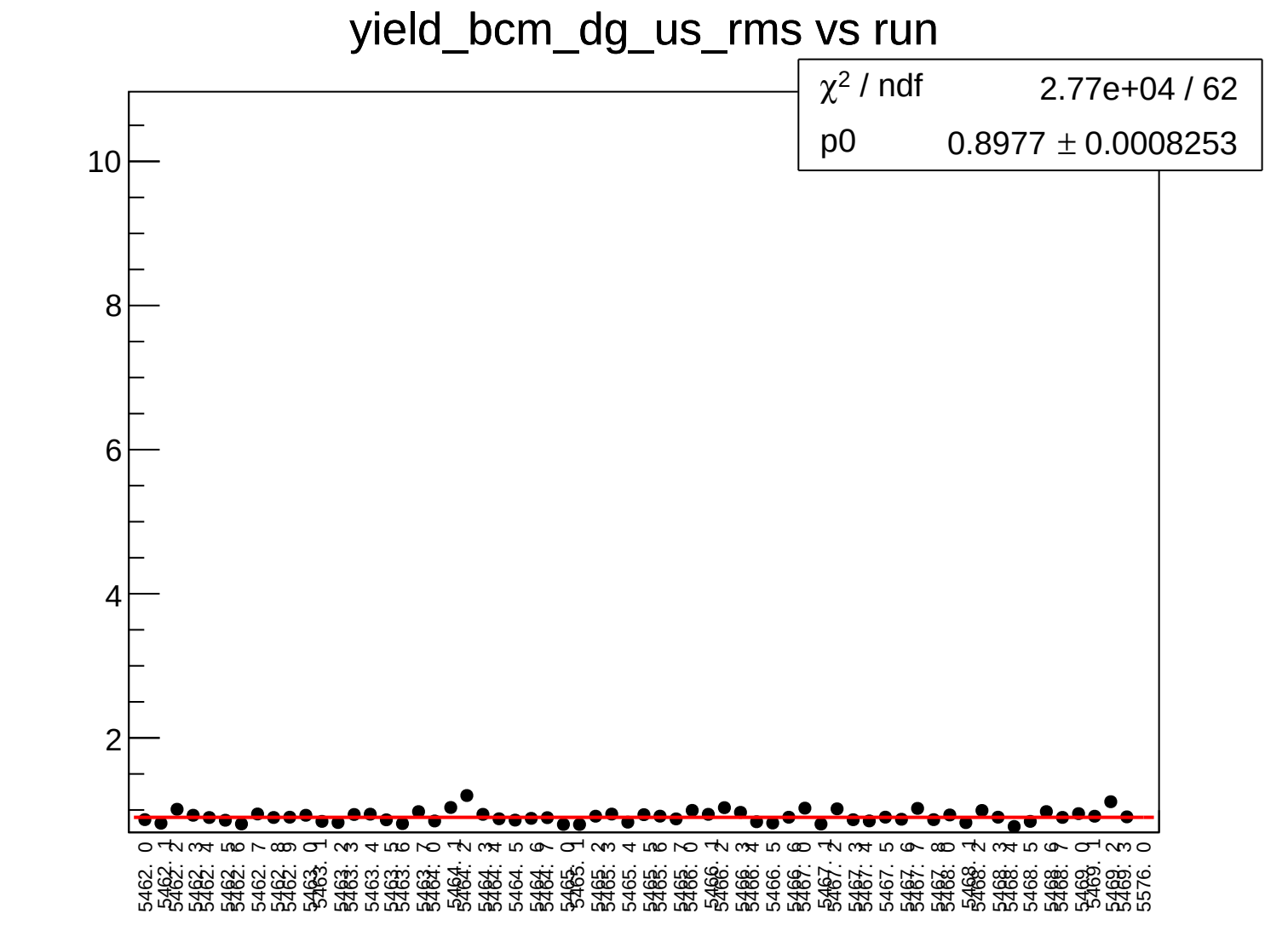

yield_bcm_an_us_mean vs run
χ² / ndf 3.088e+04 / 62
p0 152.3 ± 0.001165
152
150
148
146
144
pull
Entries 63
Mean 65.87
Std Dev 43.7
40
20
0
−20
−40
−60
−80

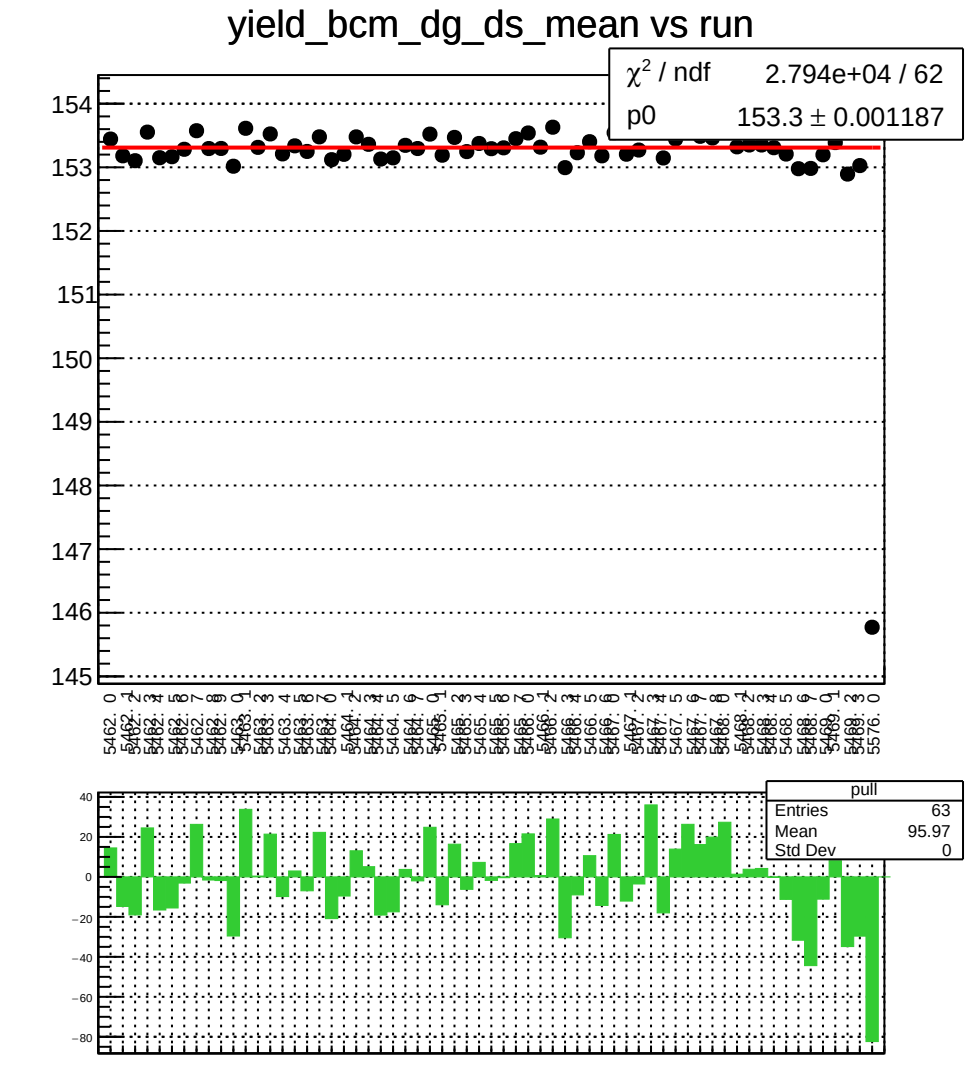

pull1D
Entries 63
Mean −0.8651
Std Dev 3.937
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

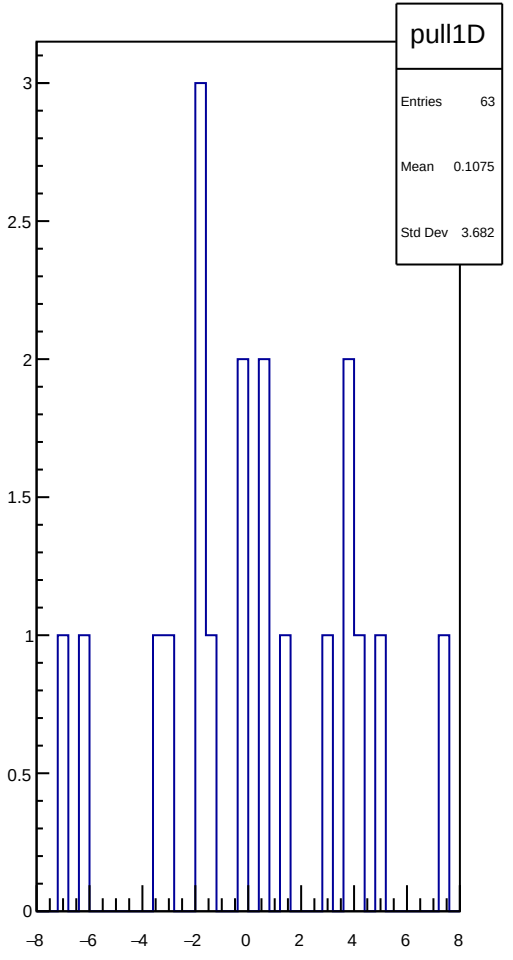

yield_bcm_an_us_rms vs run
χ² / ndf 2.768e+04 / 62
p0 0.8958 ± 0.0008235
10
8
6
4
2

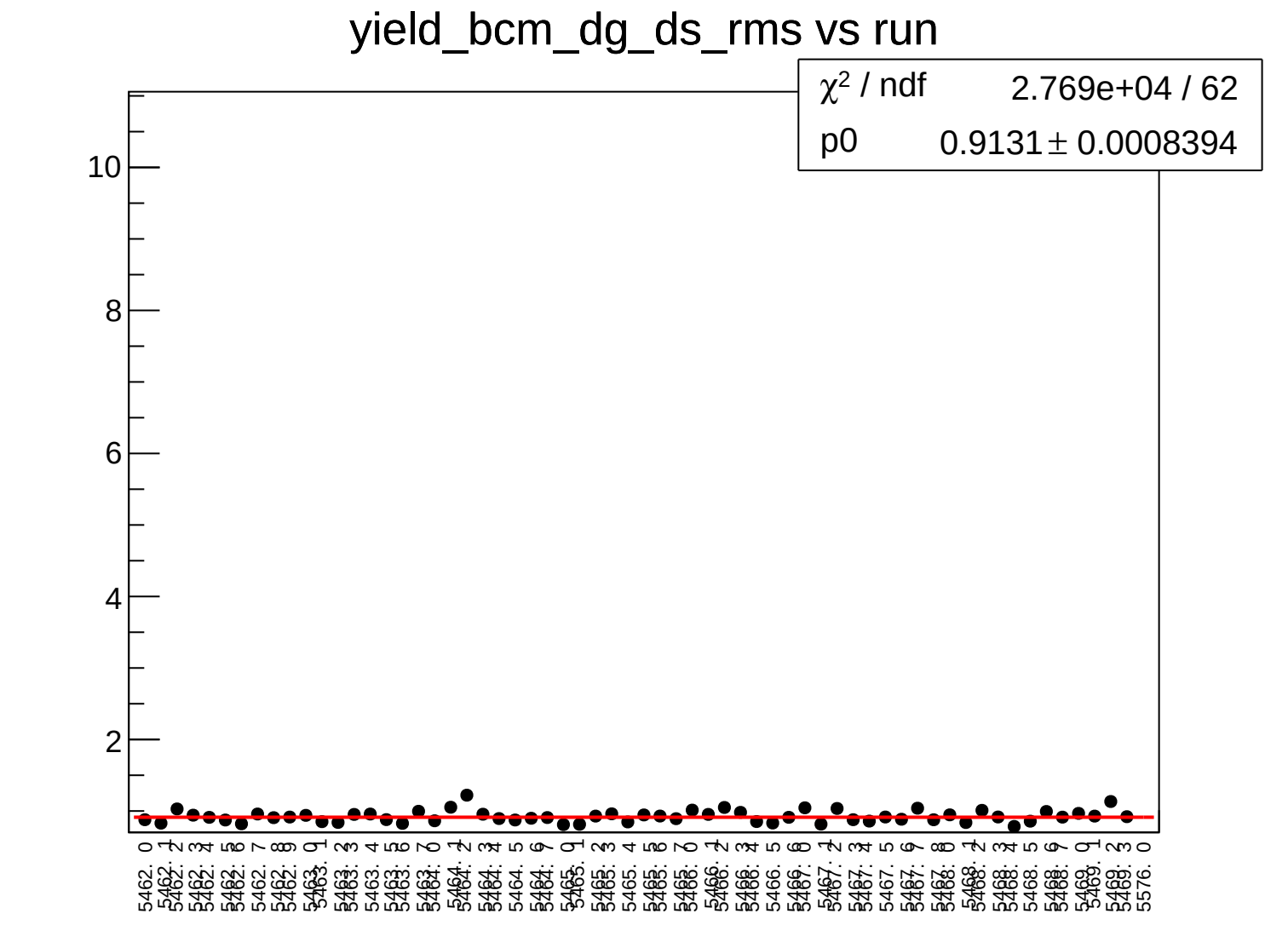

yield_bcm_dg_us_mean vs run
χ² / ndf 2.739e+04 / 62
p0 151.8 ± 0.001167
pull
Entries 63
Mean 140
Std Dev 0

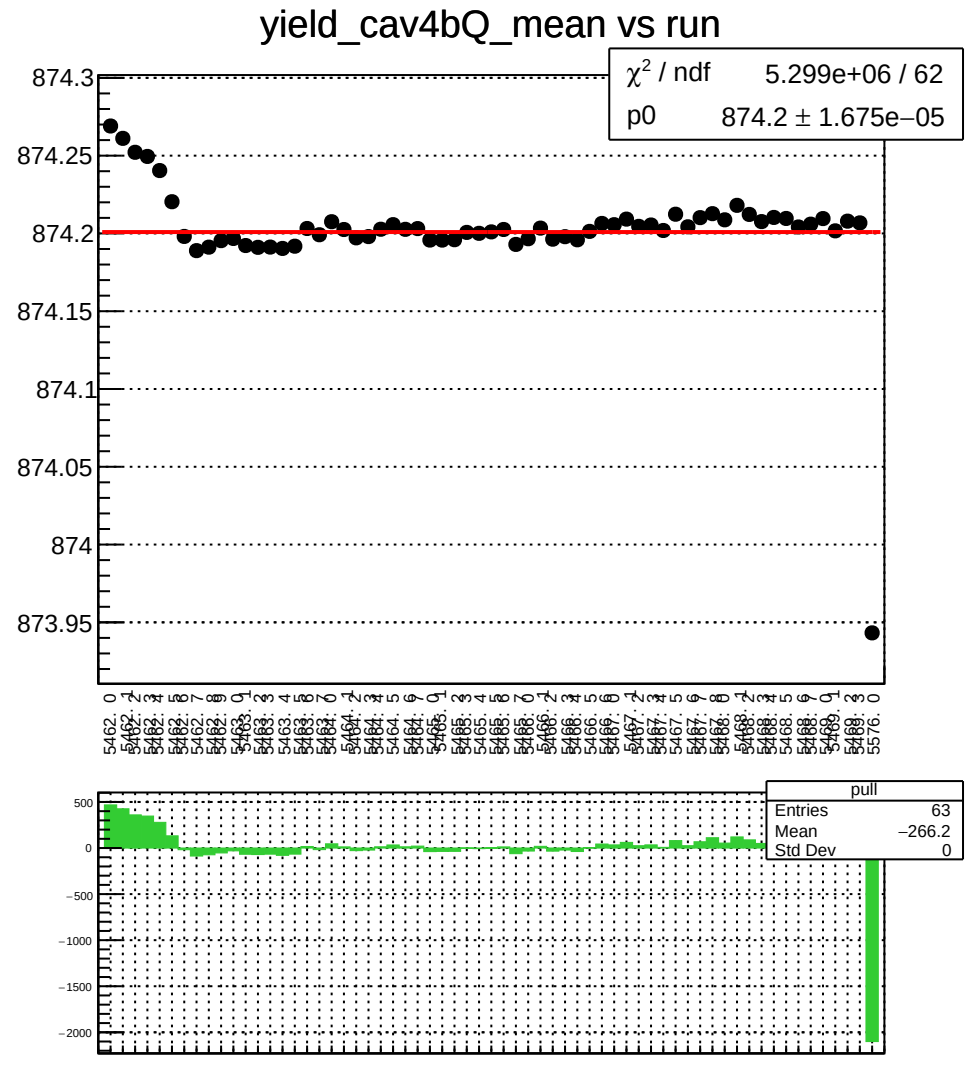

pull1D
Entries 63
Mean −0.2213
Std Dev 3.803

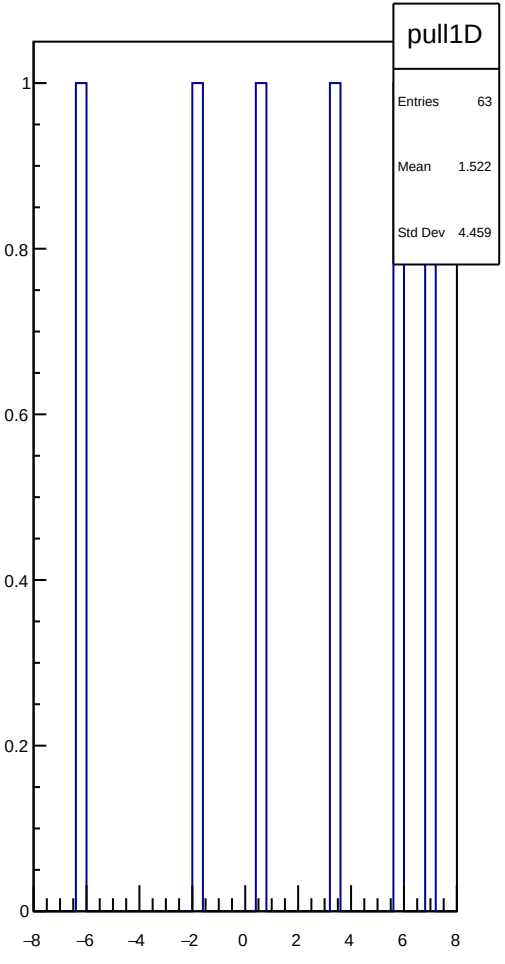

yield_bcm_dg_us_rms vs run
χ² / ndf 2.77e+04 / 62
p0 0.8977 ± 0.0008253
10
8
6
4
2

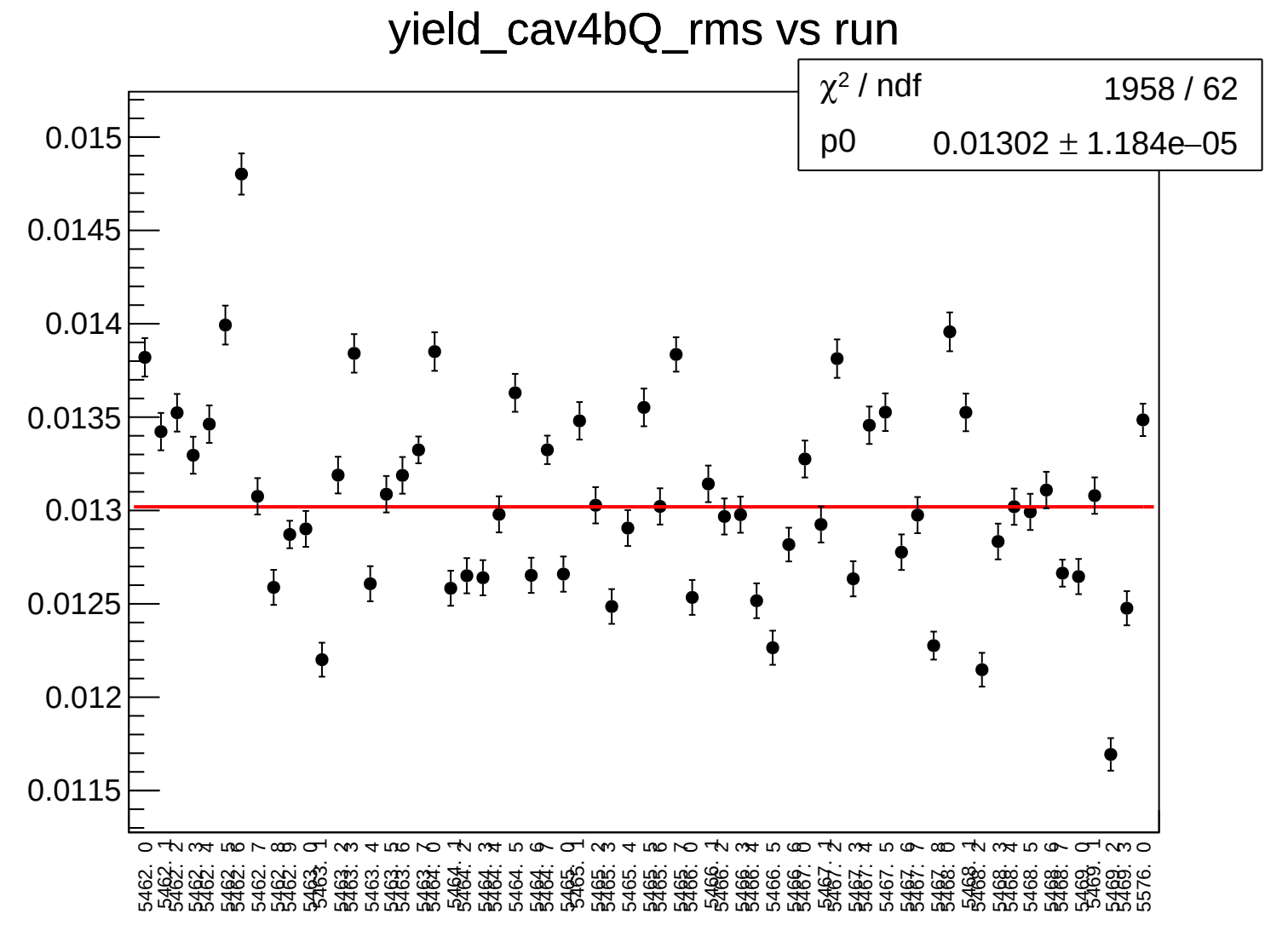

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.794e+04 / 62
p0 153.3 ± 0.001187
pull
Entries 63
Mean 95.97
Std Dev 0

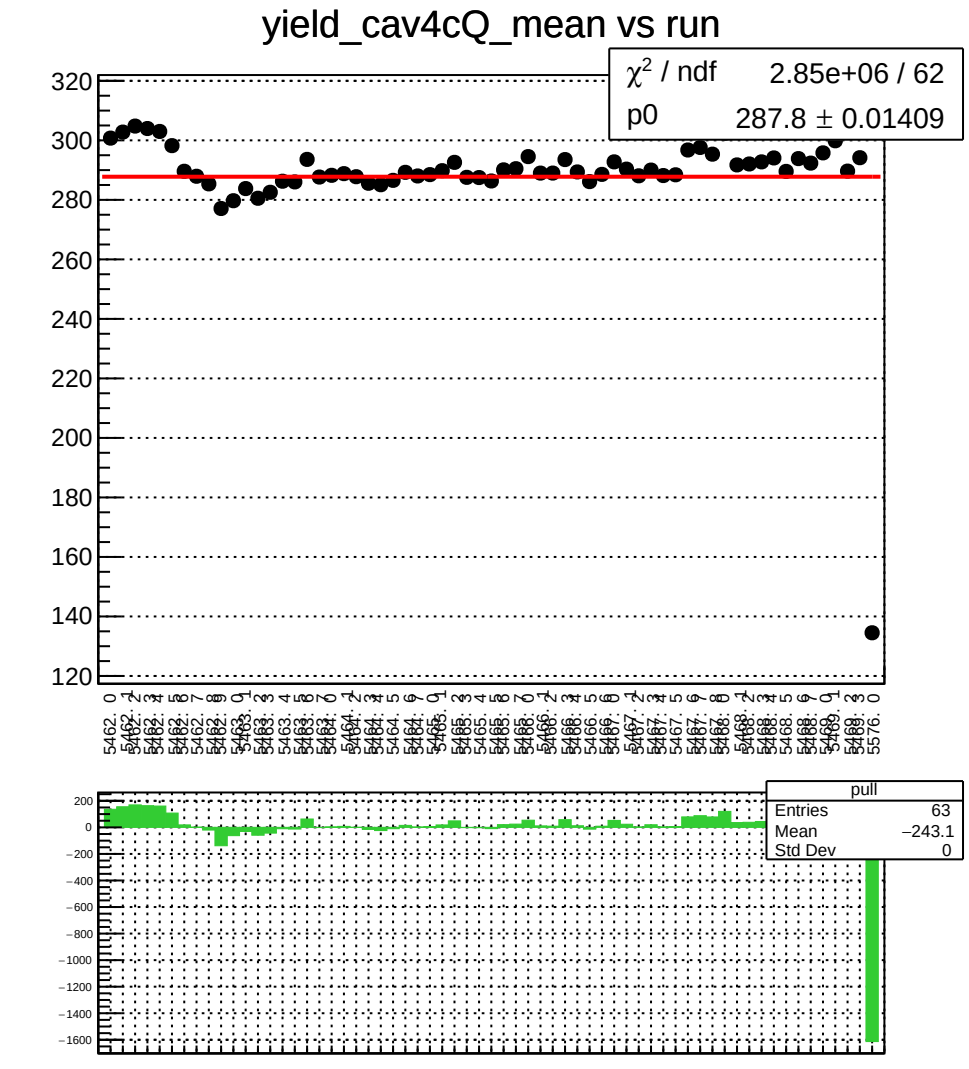

pull1D
Entries 63
Mean 0.1075
Std Dev 3.682

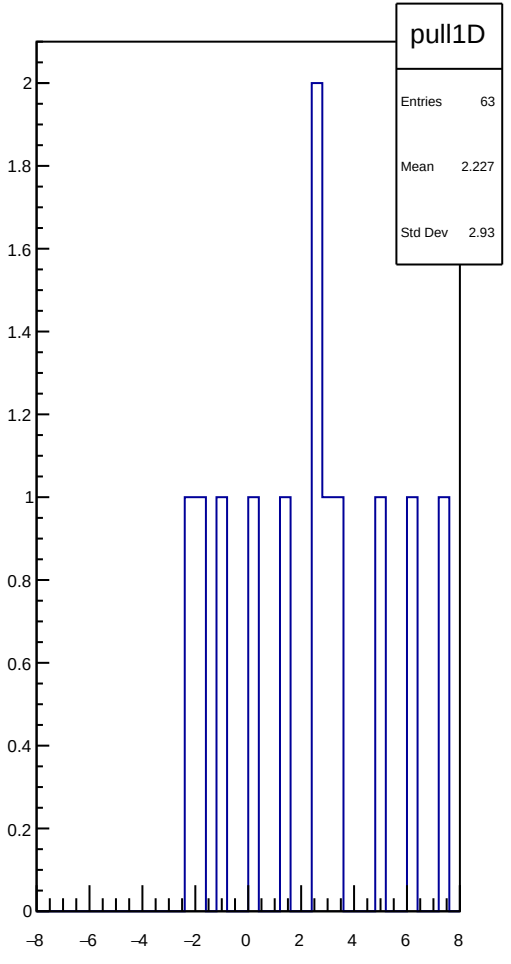

yield_bcm_dg_ds_rms vs run
χ² / ndf 2.769e+04 / 62
p0 0.9131 ± 0.0008394
10
8
6
4
2

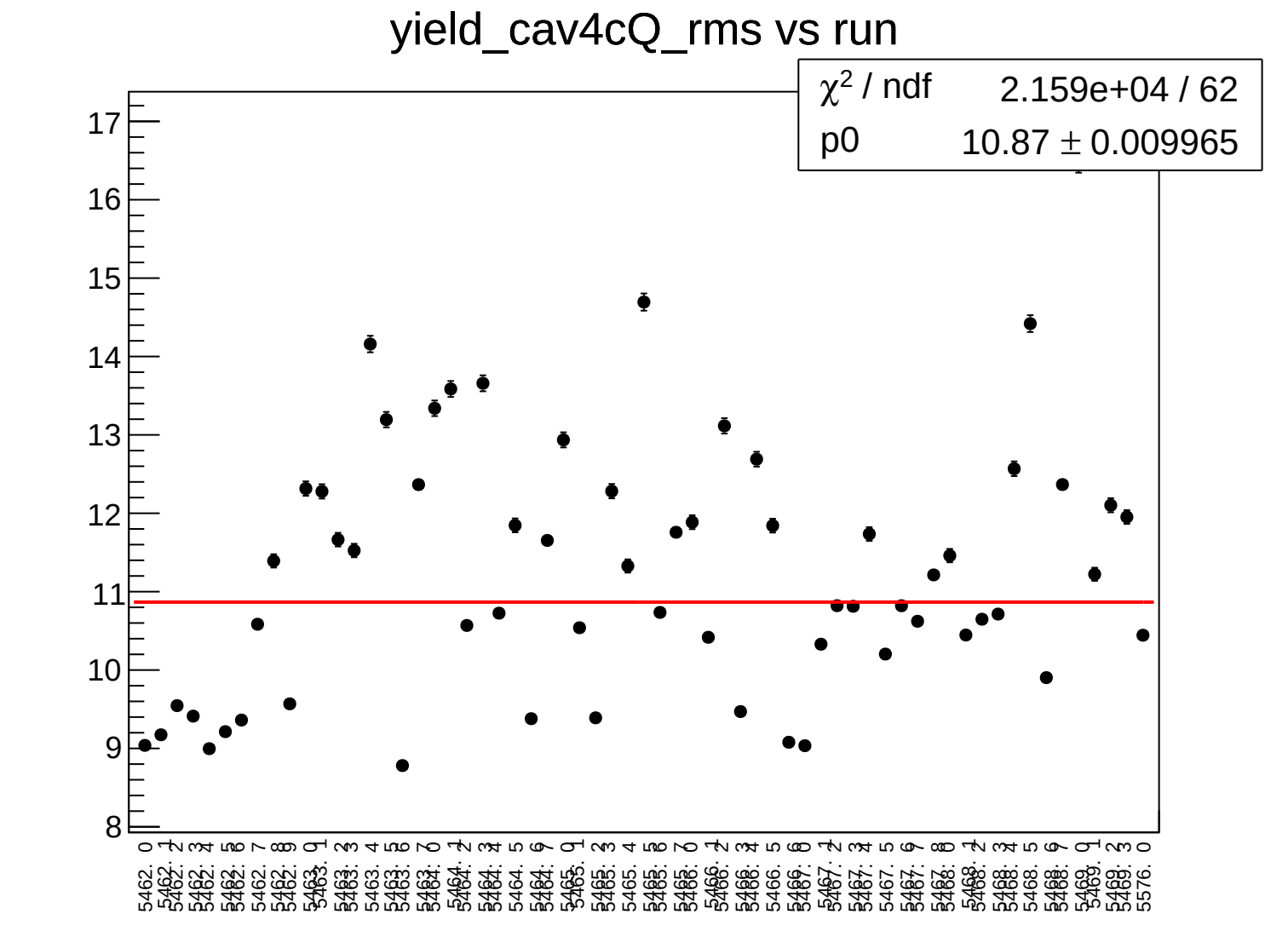

yield_cav4bQ_mean vs run
χ² / ndf 5.299e+06 / 62
p0 874.2 ± 1.675e−05
874.3
874.25
874.2
874.15
874.1
874.05
874
873.95
pull
Entries 63
Mean −266.2
Std Dev 0
500
0
−500
−1000
−1500
−2000

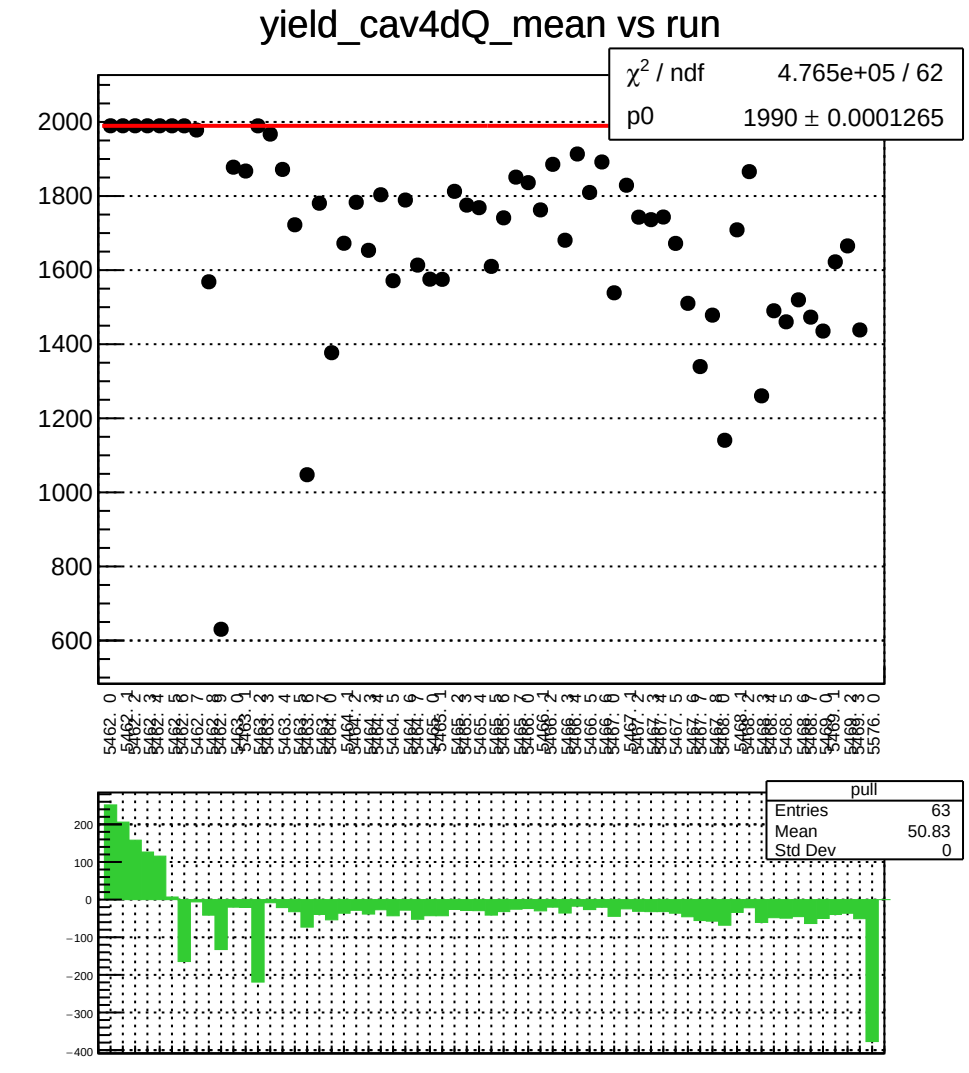

pull1D
Entries 63
Mean 1.522
Std Dev 4.459
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

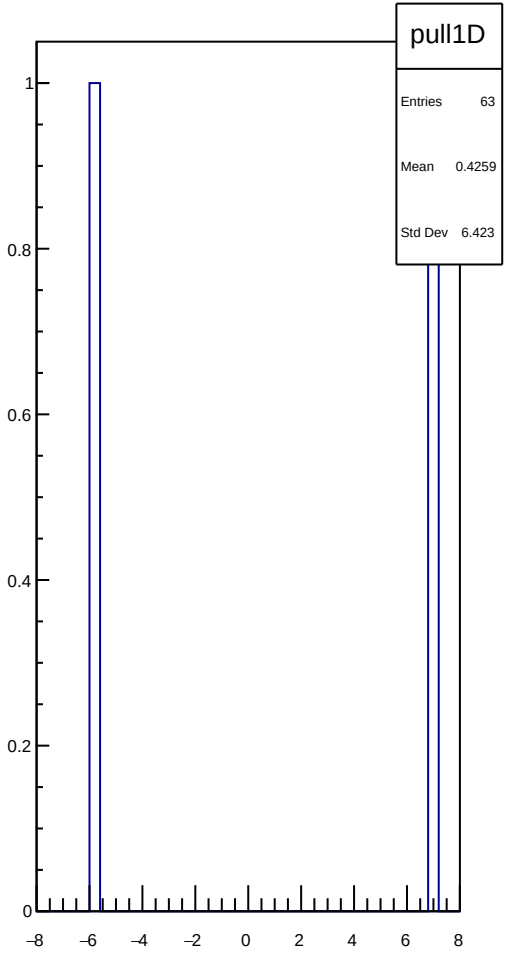

yield_cav4bQ_rms vs run
χ² / ndf 1958 / 62
p0 0.01302 ± 1.184e–05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115

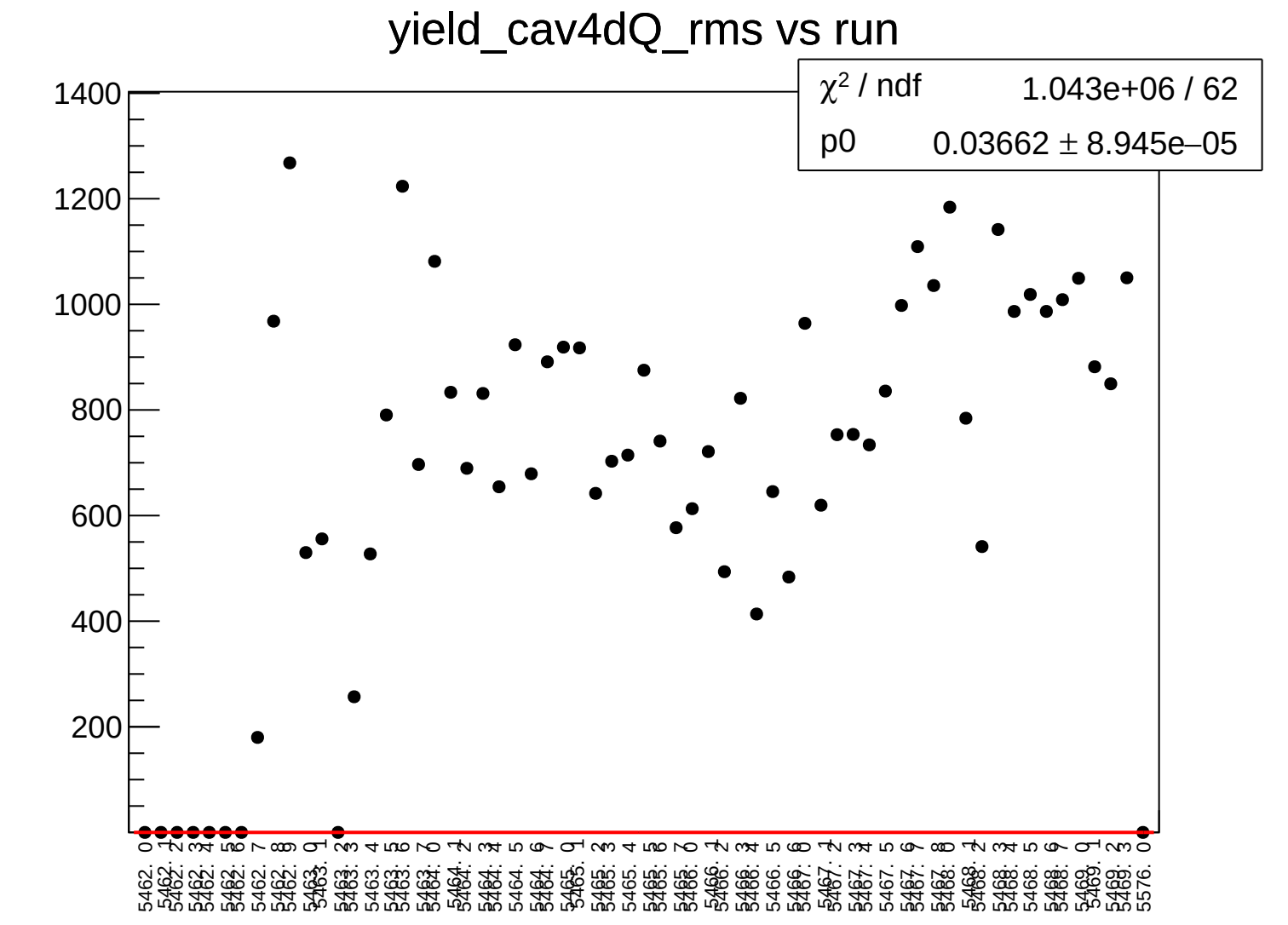

yield_cav4cQ_mean vs run
χ² / ndf 2.85e+06 / 62
p0 287.8 ± 0.01409
pull
Entries 63
Mean −243.1
Std Dev 0

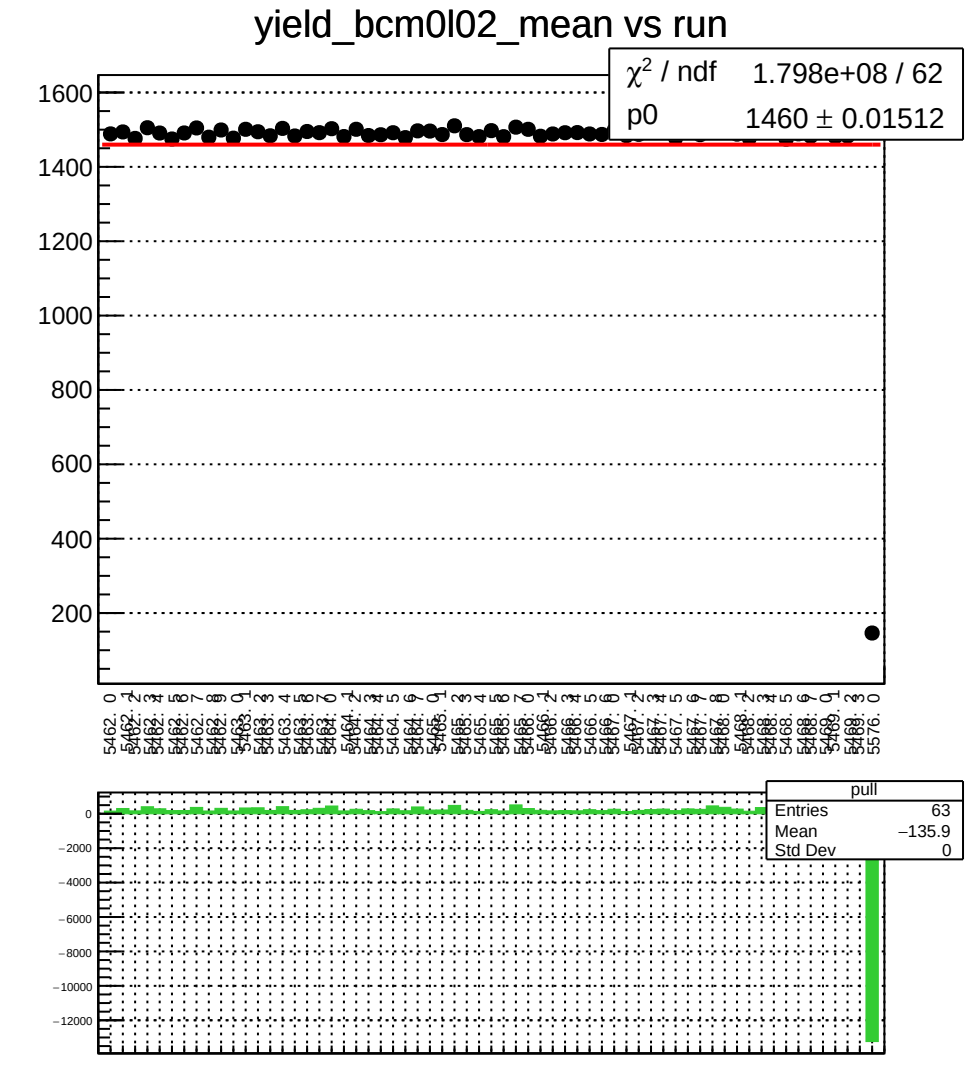

pull1D
Entries 63
Mean 2.227
Std Dev 2.93

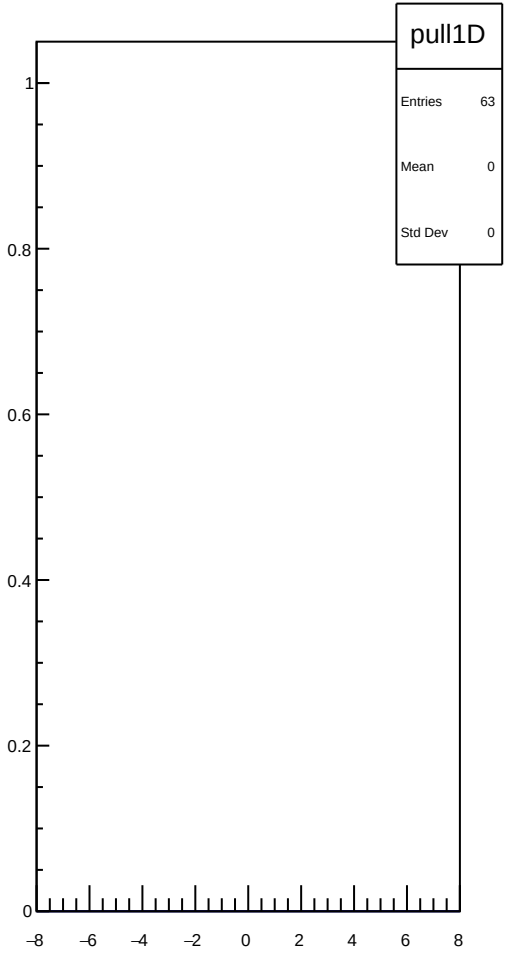

yield_cav4cQ_rms vs run
χ^2 / ndf 2.159e+04 / 62
p0 10.87 ± 0.009965
17
16
15
14
13
12
11
10
9
8

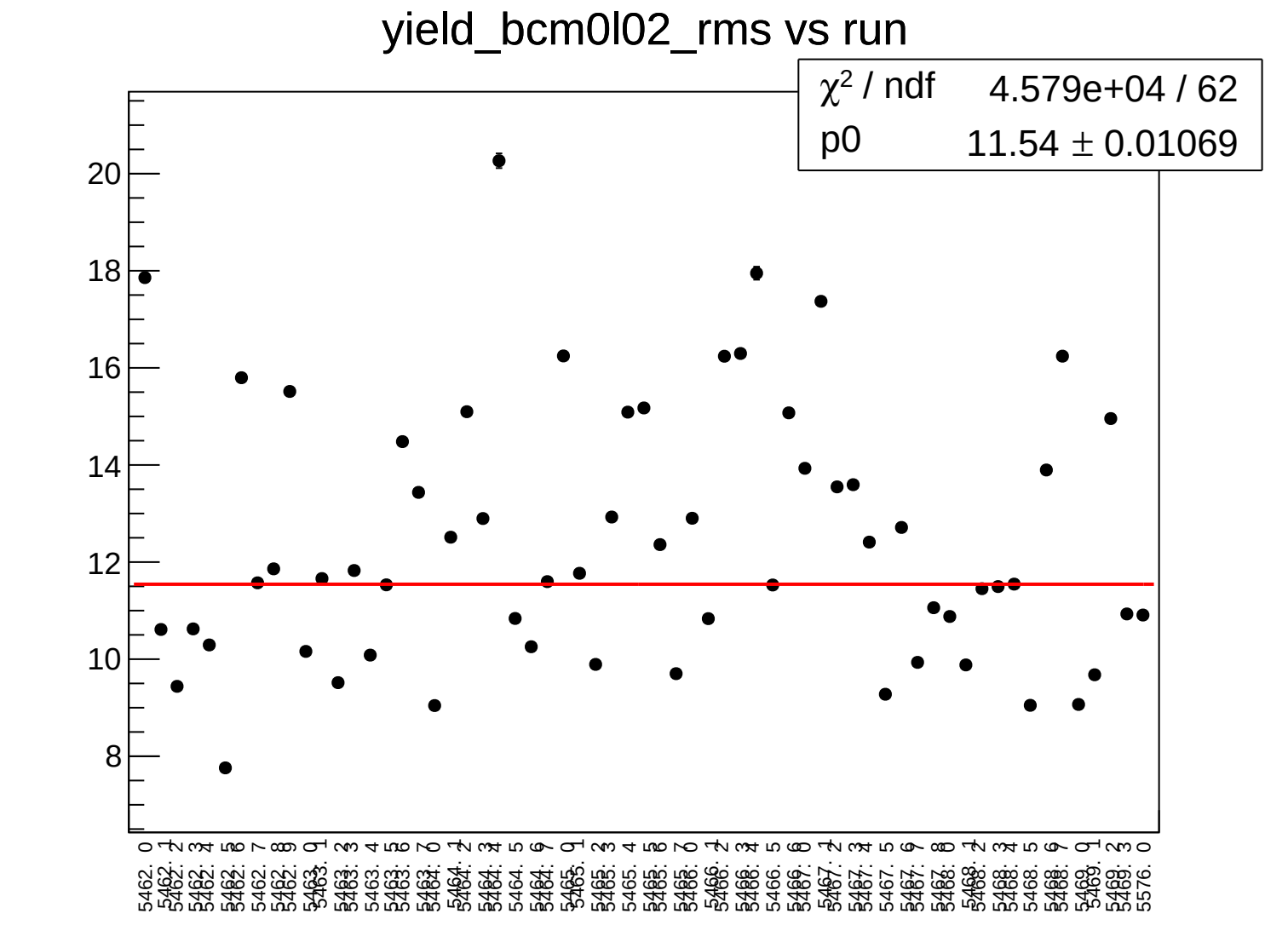

yield_cav4dQ_mean vs run
χ² / ndf 4.765e+05 / 62
p0 1990 ± 0.0001265
2000
1800
1600
1400
1200
1000
800
600
pull
Entries 63
Mean 50.83
Std Dev 0
200
100
0
−100
−200
−300
−400

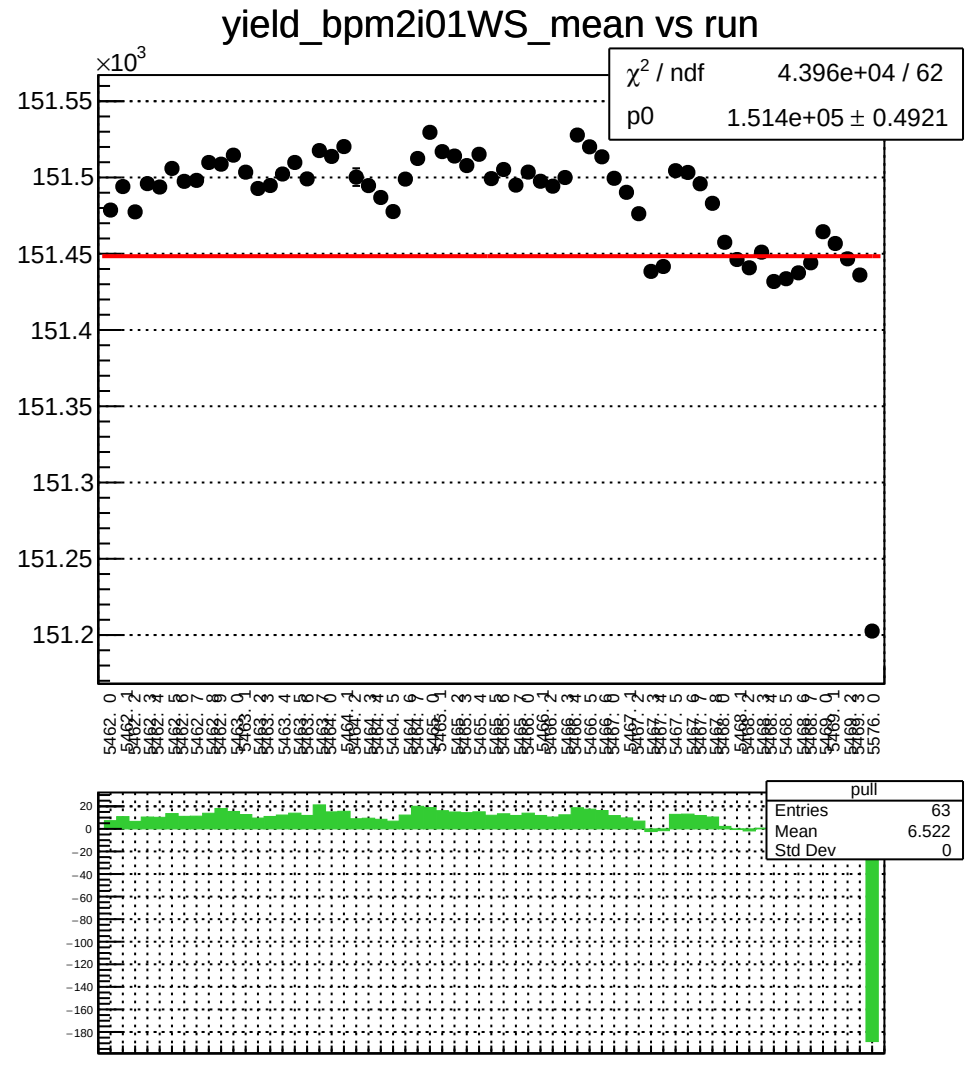

pull1D
Entries 63
Mean 0.4259
Std Dev 6.423
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

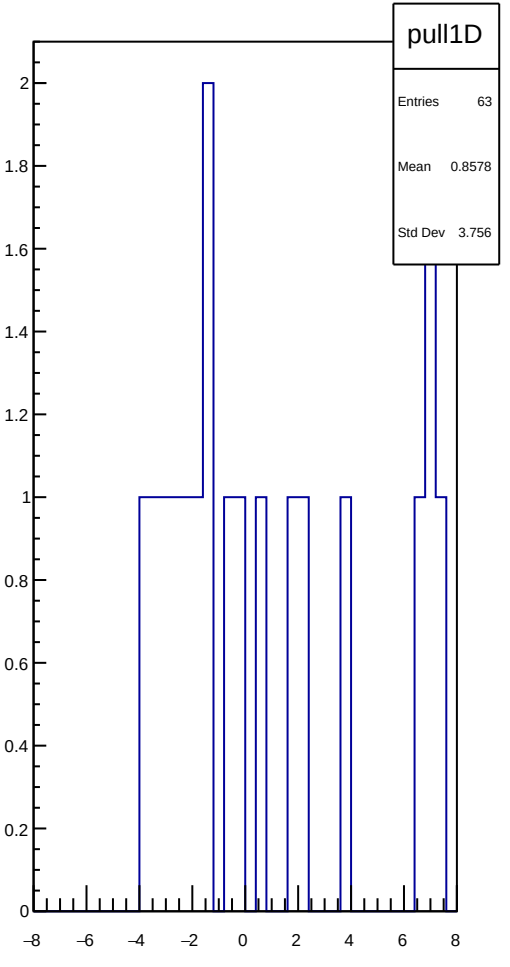

yield_cav4dQ_rms vs run
χ² / ndf 1.043e+06 / 62
p0 0.03662 ± 8.945e−05
1400
1200
1000
800
600
400
200

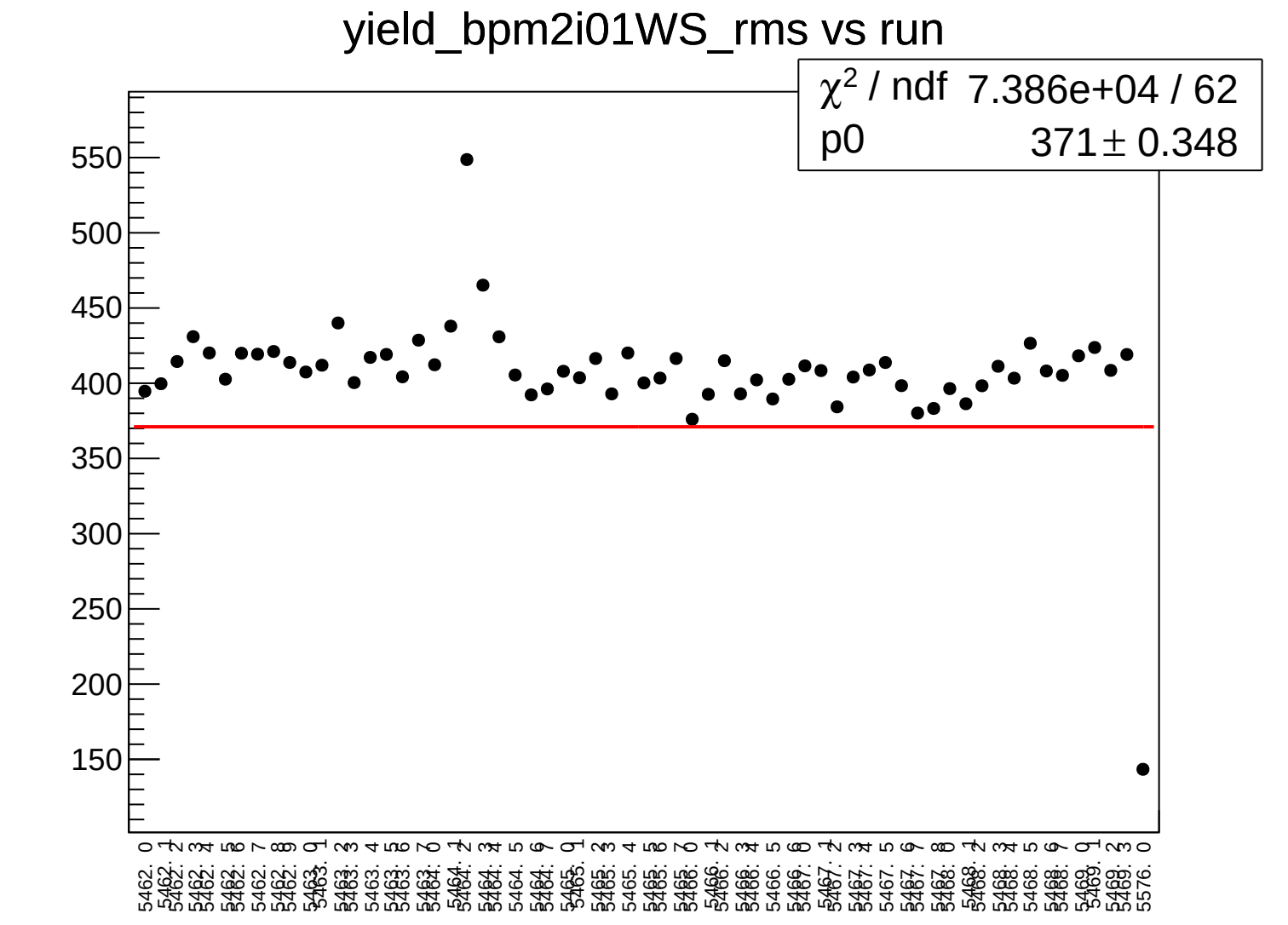

yield_bcm0l02_mean vs run
χ² / ndf 1.798e+08 / 62
p0 1460 ± 0.01512
1600
1400
1200
1000
800
600
400
200
pull
Entries 63
Mean −135.9
Std Dev 0
0
−2000
−4000
−6000
−8000
−10000
−12000

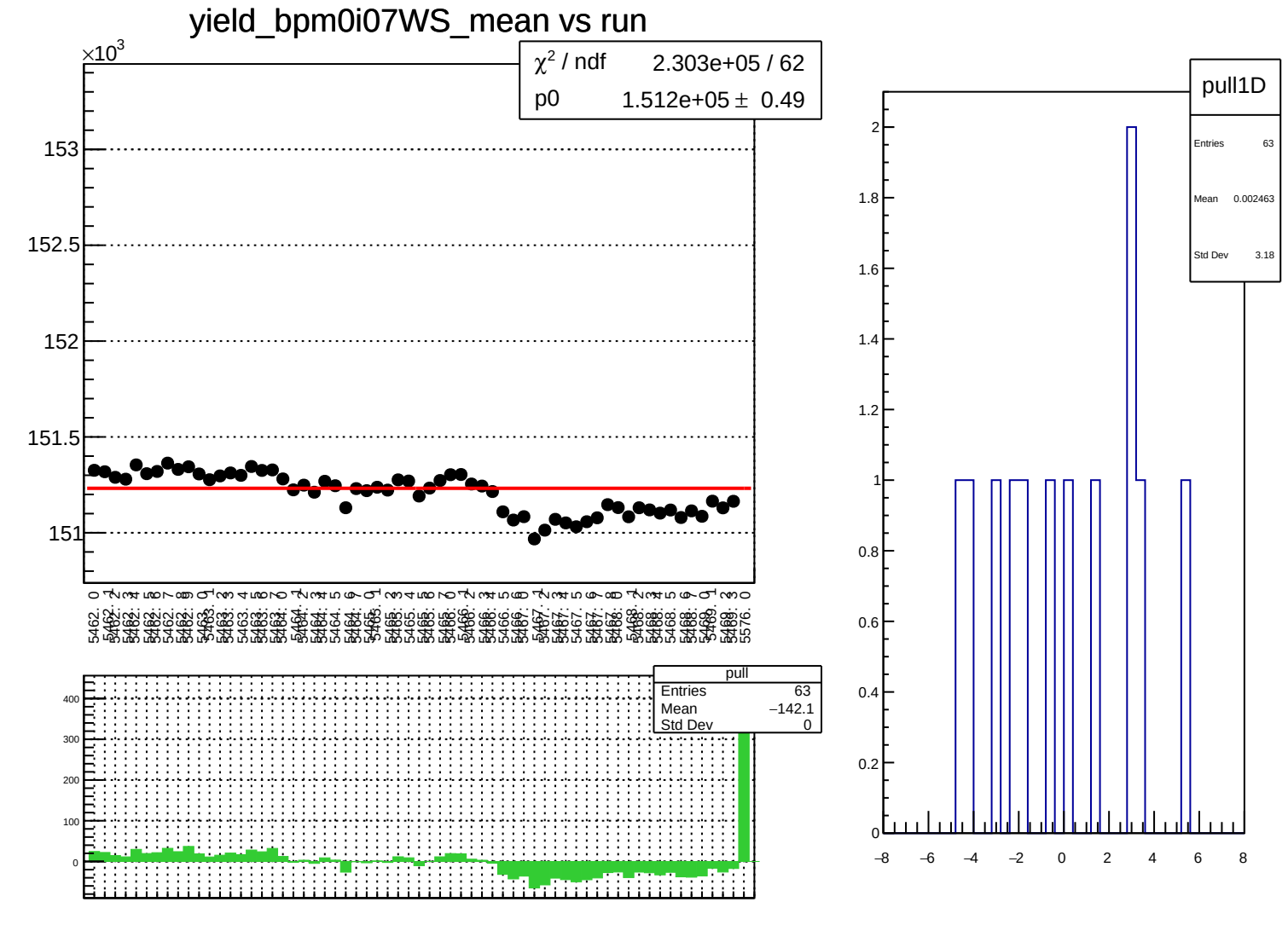

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

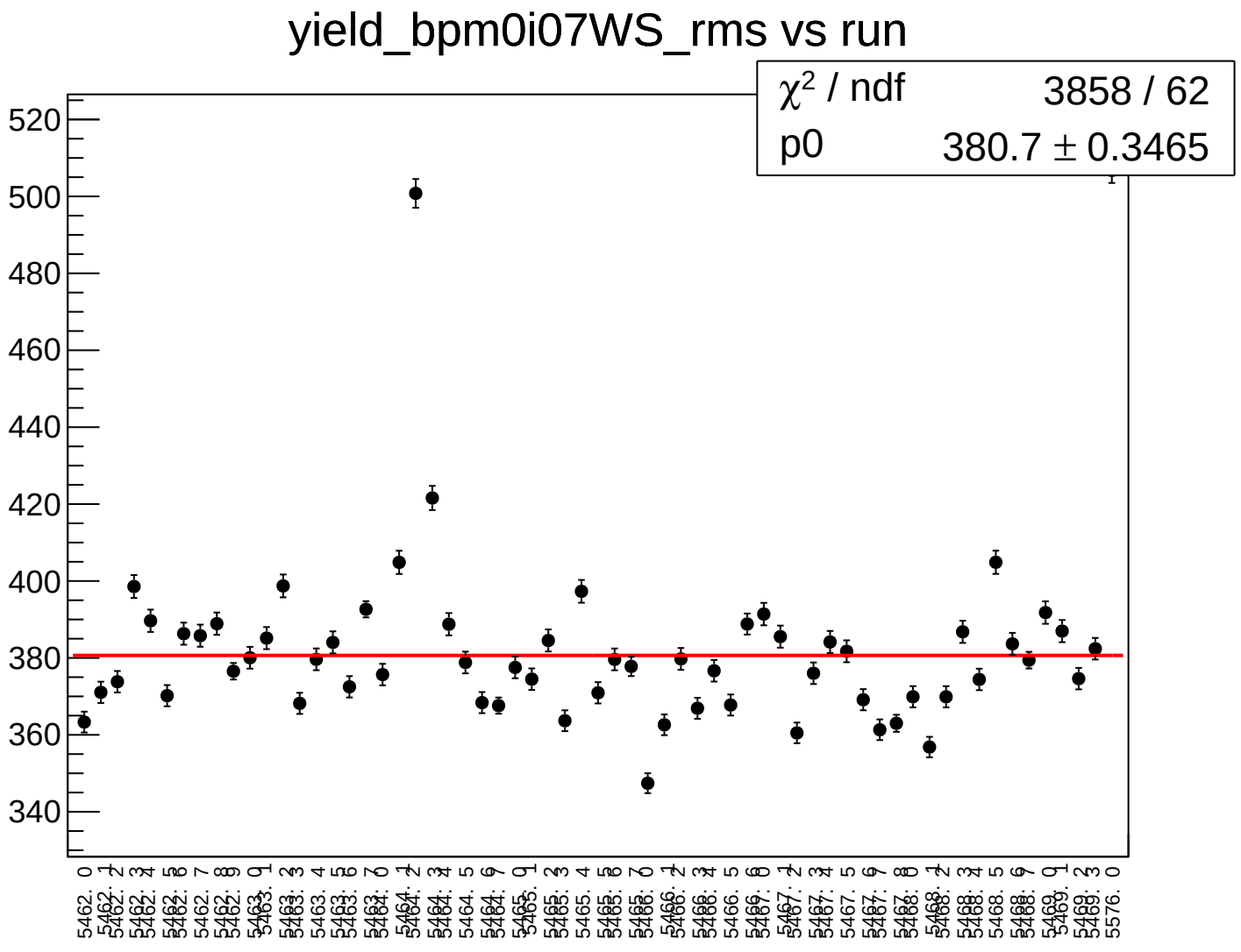

yield_bcm0l02_rms vs run
χ² / ndf 4.579e+04 / 62
p0 11.54 ± 0.01069
20
18
16
14
12
10
8

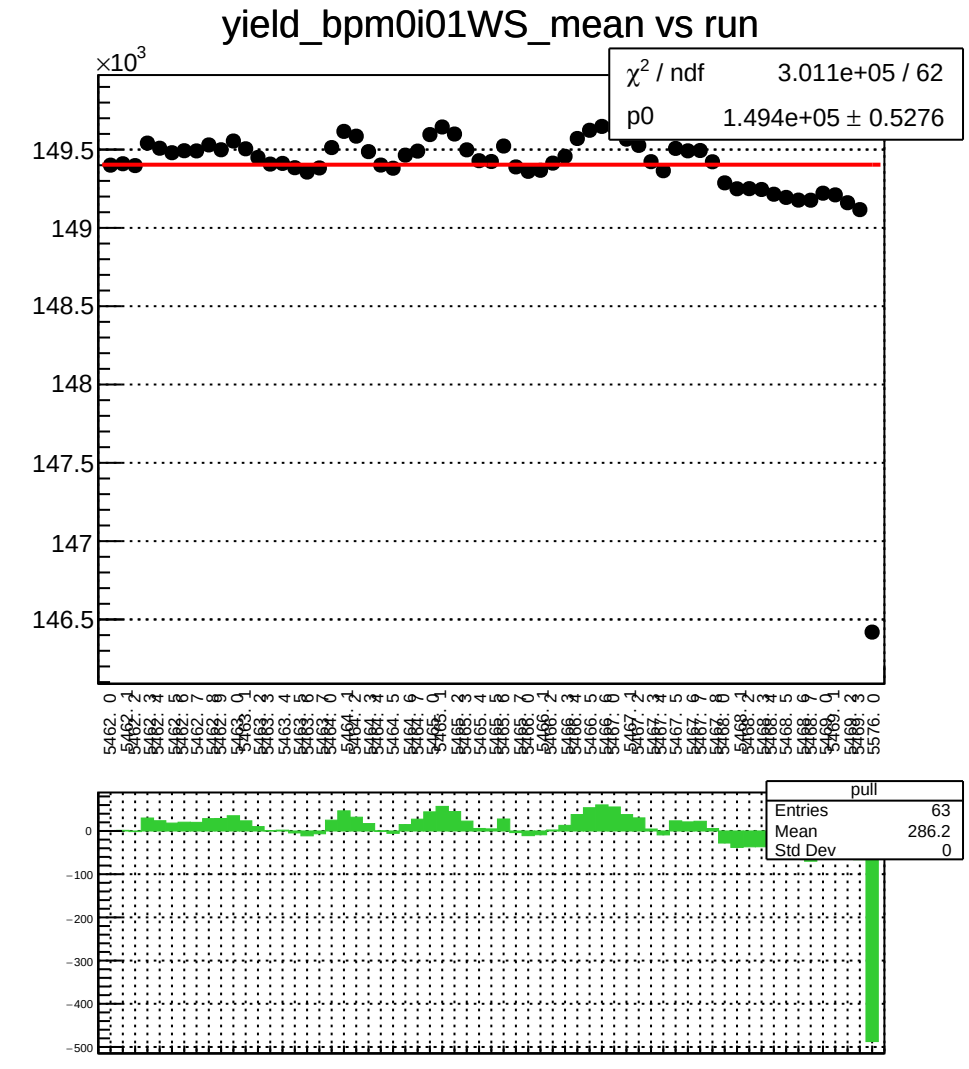

yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 4.396e+04 / 62
p0 1.514e+05 ± 0.4921
151.55
151.5
151.45
151.4
151.35
151.3
151.25
151.2
pull
Entries 63
Mean 6.522
Std Dev 0
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180

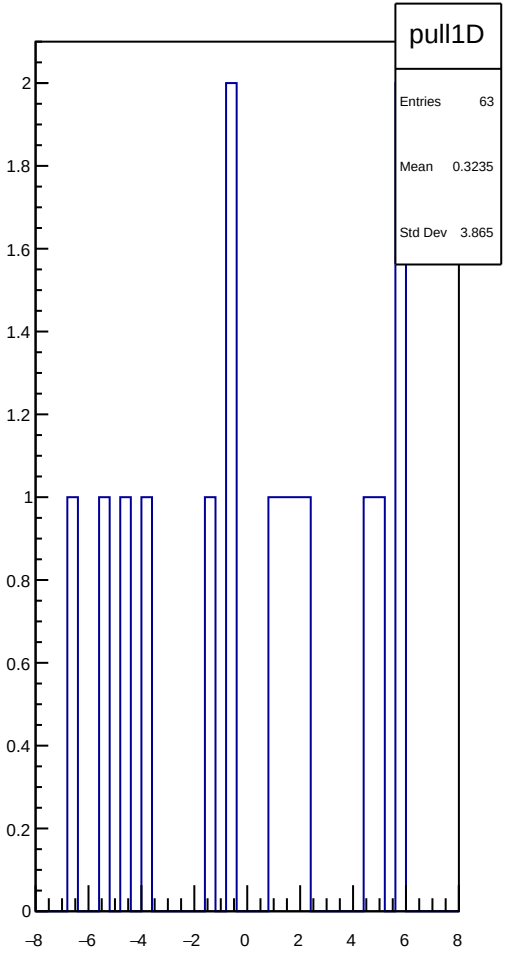

pull1D
Entries 63
Mean 0.8578
Std Dev 3.756
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

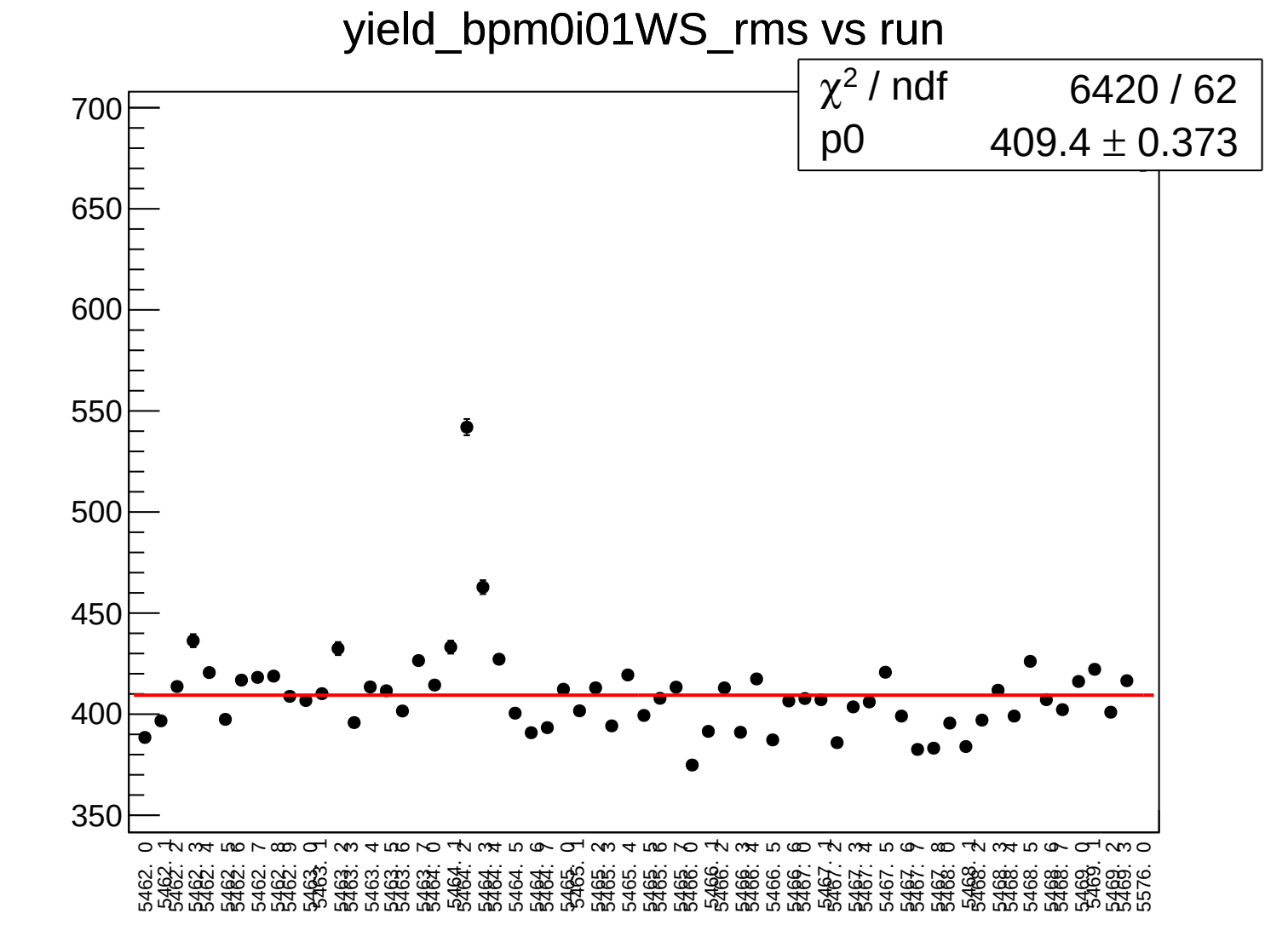

yield_bpm2i01WS_rms vs run
χ^2 / ndf 7.386e+04 / 62
p0 371 ± 0.348
550
500
450
400
350
300
250
200
150

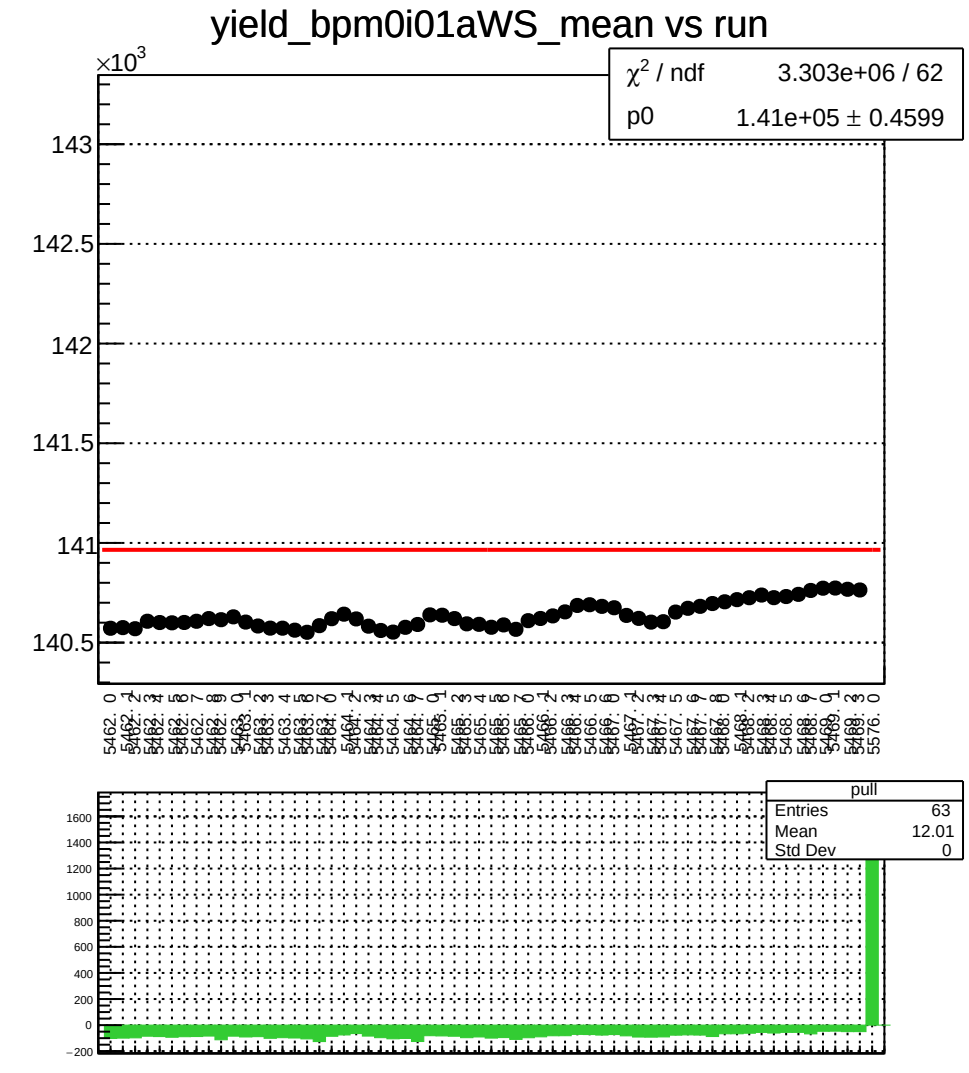

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.303e+05 / 62
p0 1.512e+05 ± 0.49
153
152.5
152
151.5
151
pull
Entries 63
Mean −142.1
Std Dev 0
400
300
200
100
0
pull1D
Entries 63
Mean 0.002463
Std Dev 3.18
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

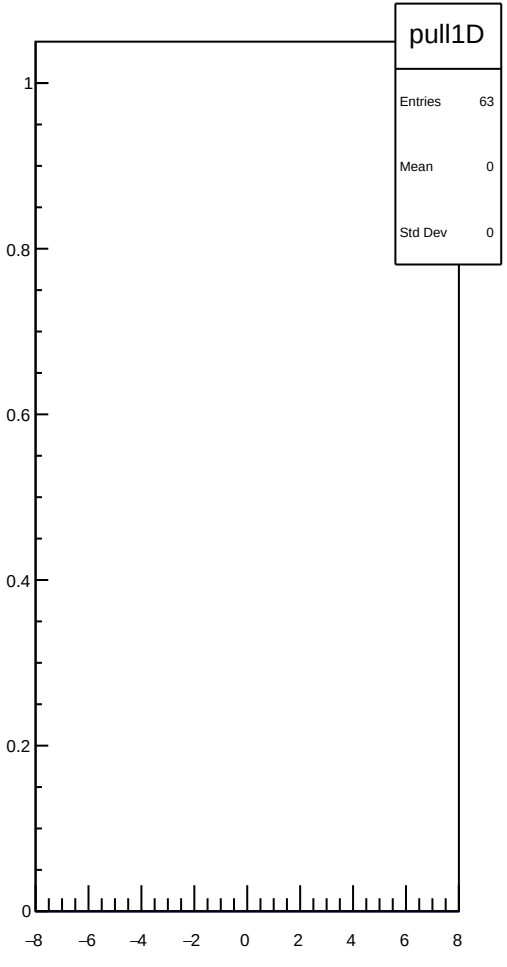

yield_bpm0i07WS_rms vs run
χ² / ndf 3858 / 62
p0 380.7 ± 0.3465
520
500
480
460
440
420
400
380
360
340

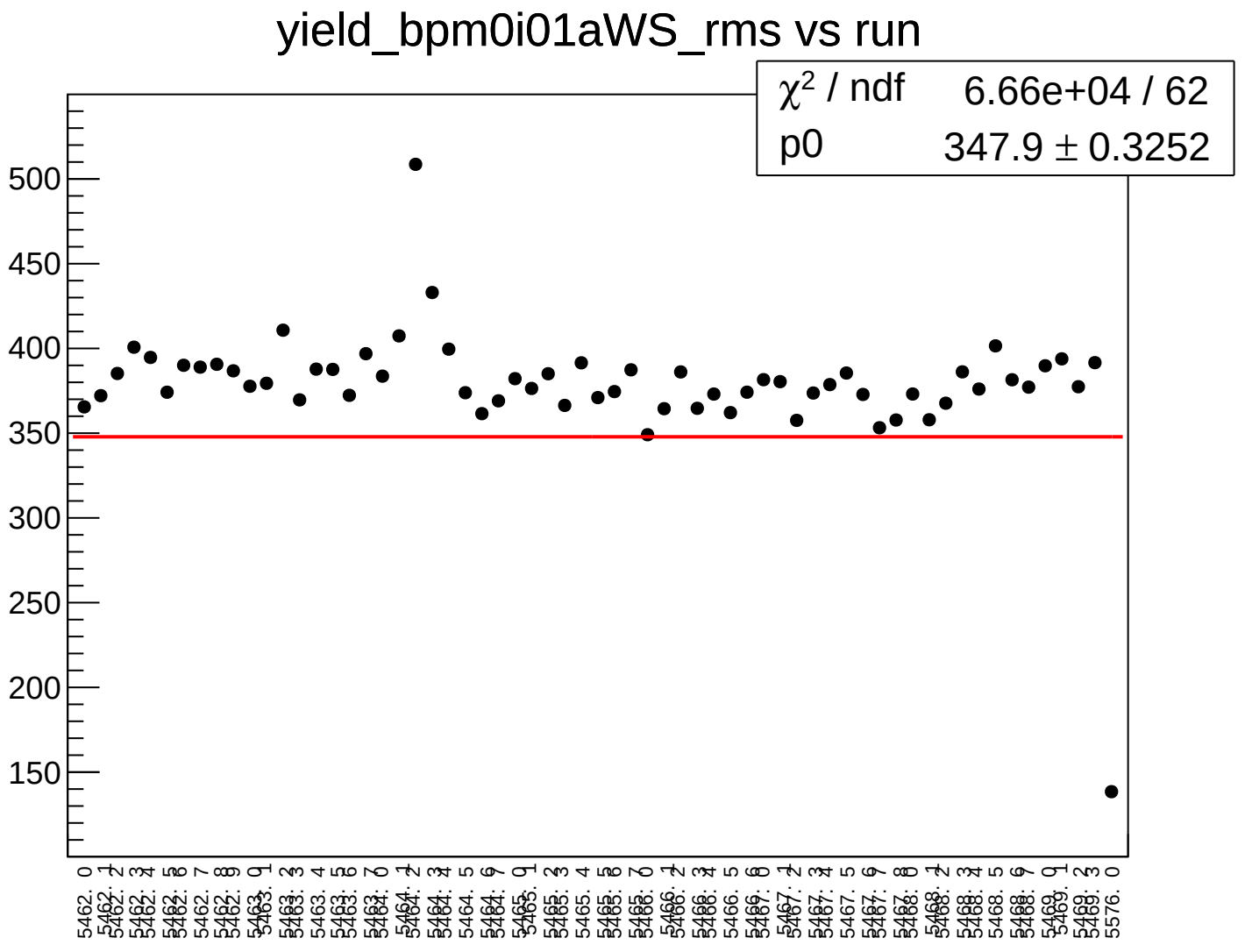

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 3.011e+05 / 62
p0 1.494e+05 ± 0.5276
149.5
149
148.5
148
147.5
147
146.5
pull
Entries 63
Mean 286.2
Std Dev 0
0
−100
−200
−300
−400
−500

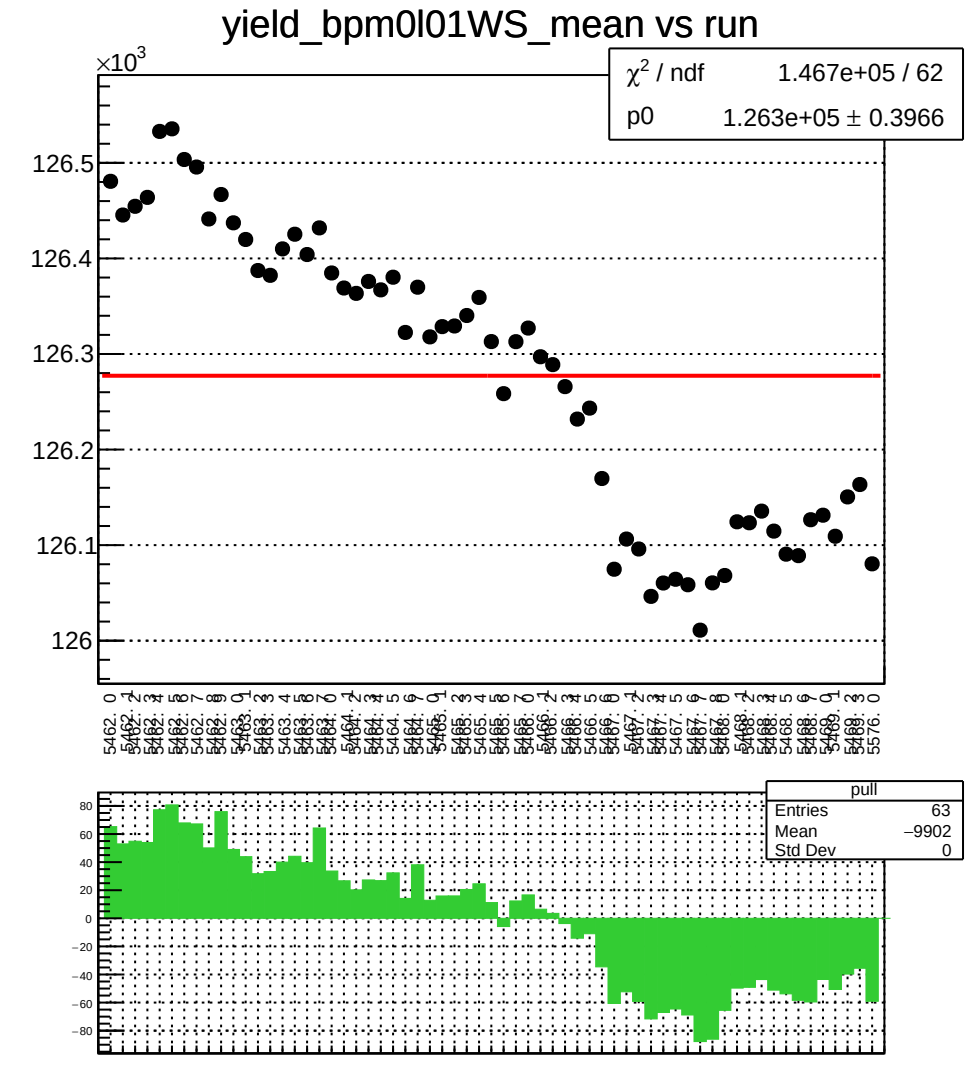

pull1D
Entries 63
Mean 0.3235
Std Dev 3.865
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

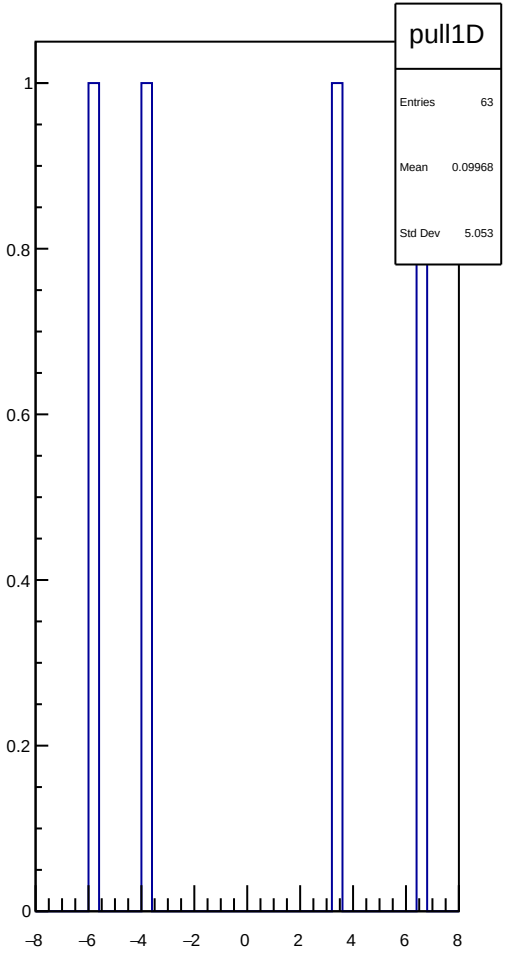

yield_bpm0i01WS_rms vs run
χ² / ndf 6420 / 62
p0 409.4 ± 0.373
700
650
600
550
500
450
400
350

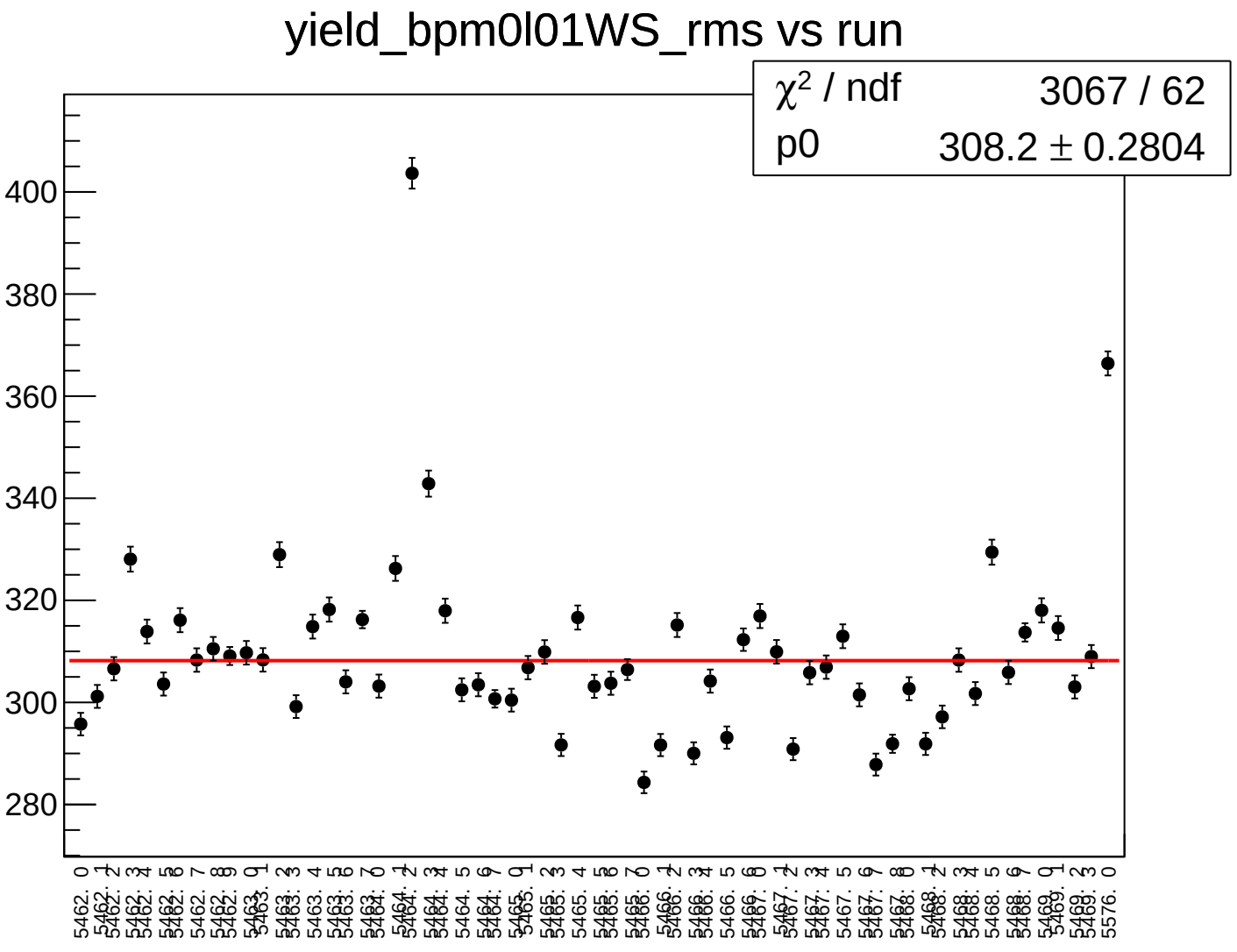

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 3.303e+06 / 62
p0 1.41e+05 ± 0.4599
143
142.5
142
141.5
141
140.5
pull
Entries 63
Mean 12.01
Std Dev 0
1600
1400
1200
1000
800
600
400
200
0
−200

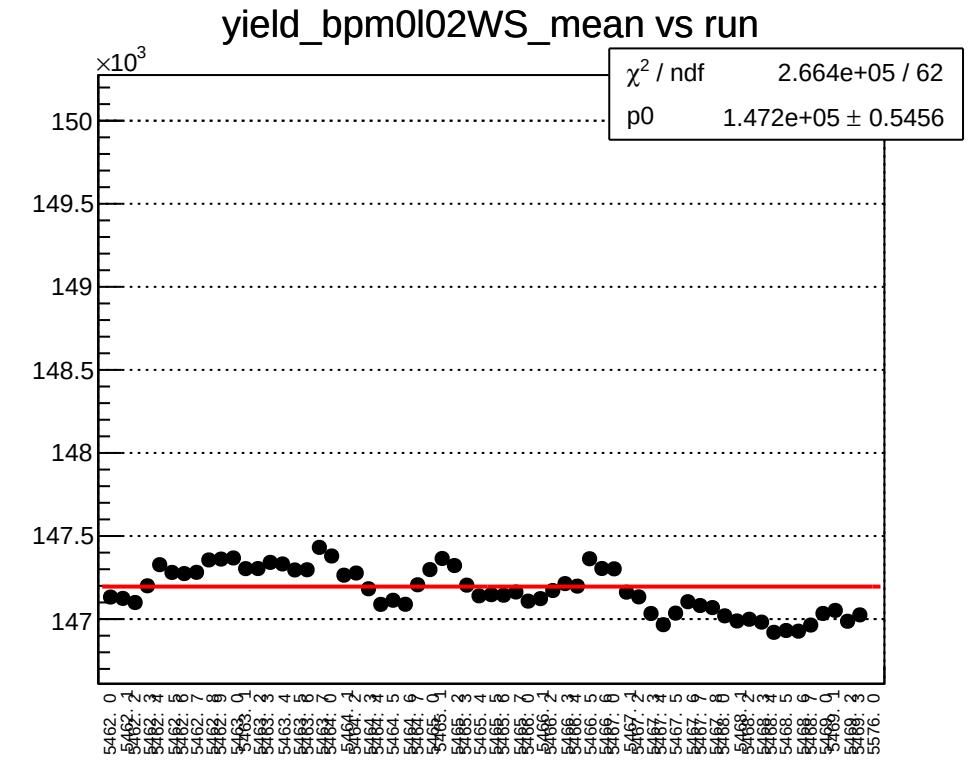

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

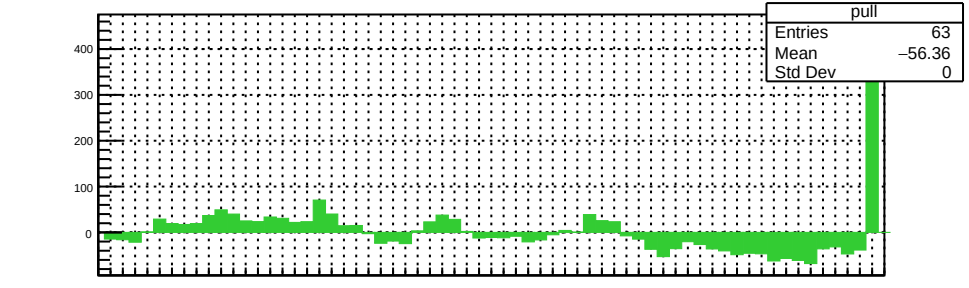

yield_bpm0i01aWS_rms vs run
χ² / ndf 6.66e+04 / 62
p0 347.9 ± 0.3252
500
450
400
350
300
250
200
150

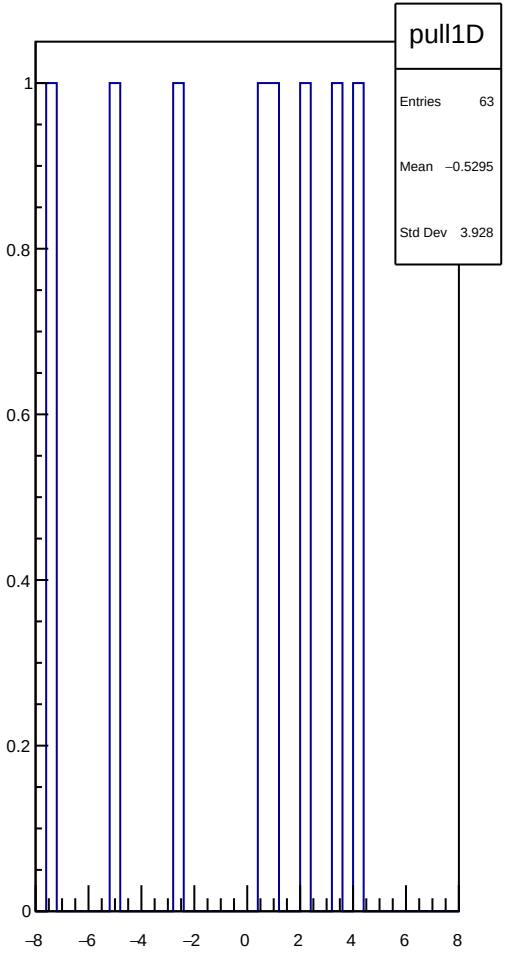

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.467e+05 / 62
p0 1.263e+05 ± 0.3966
126.5
126.4
126.3
126.2
126.1
126
pull
Entries 63
Mean −9902
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

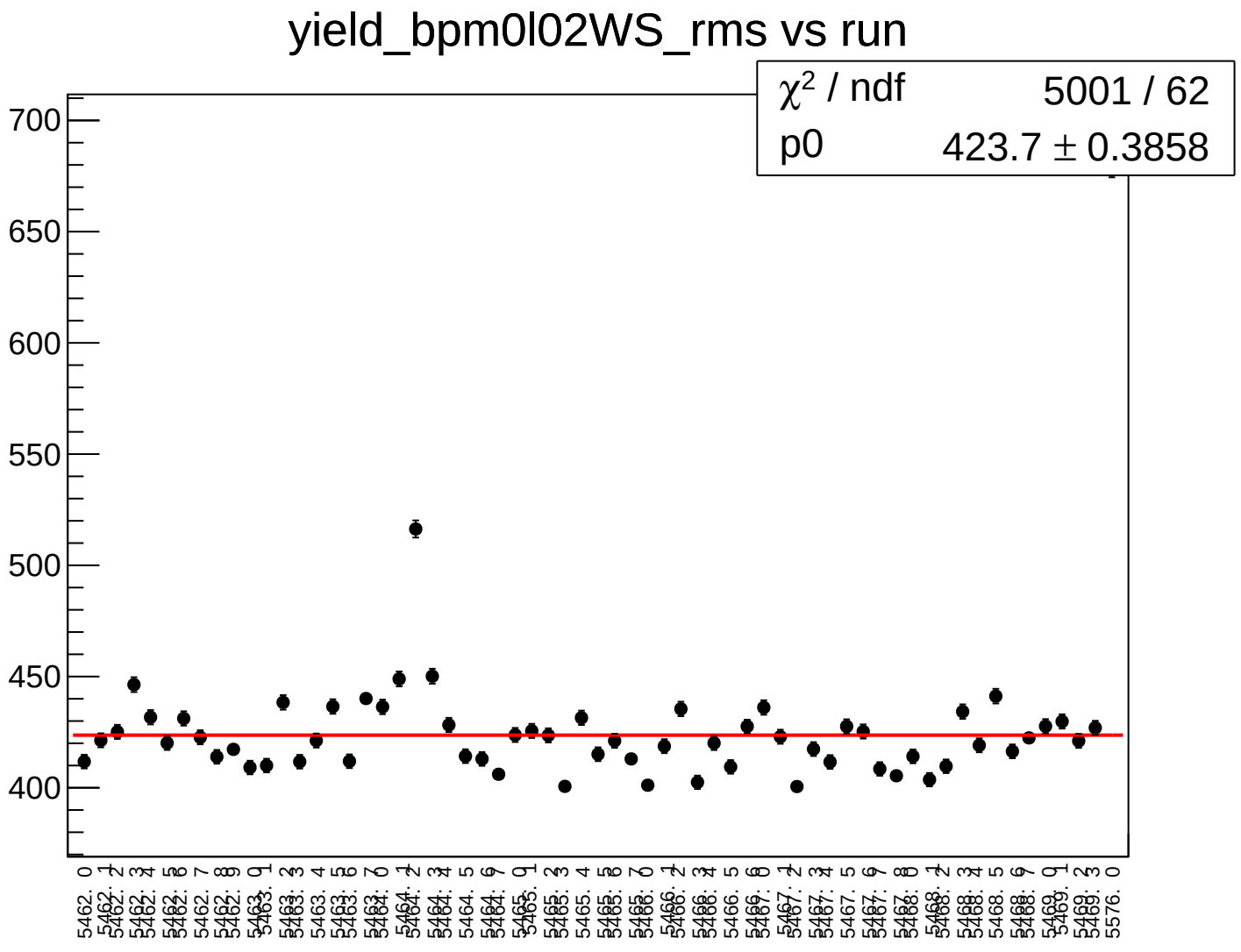

pull1D
Entries 63
Mean 0.09968
Std Dev 5.053
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

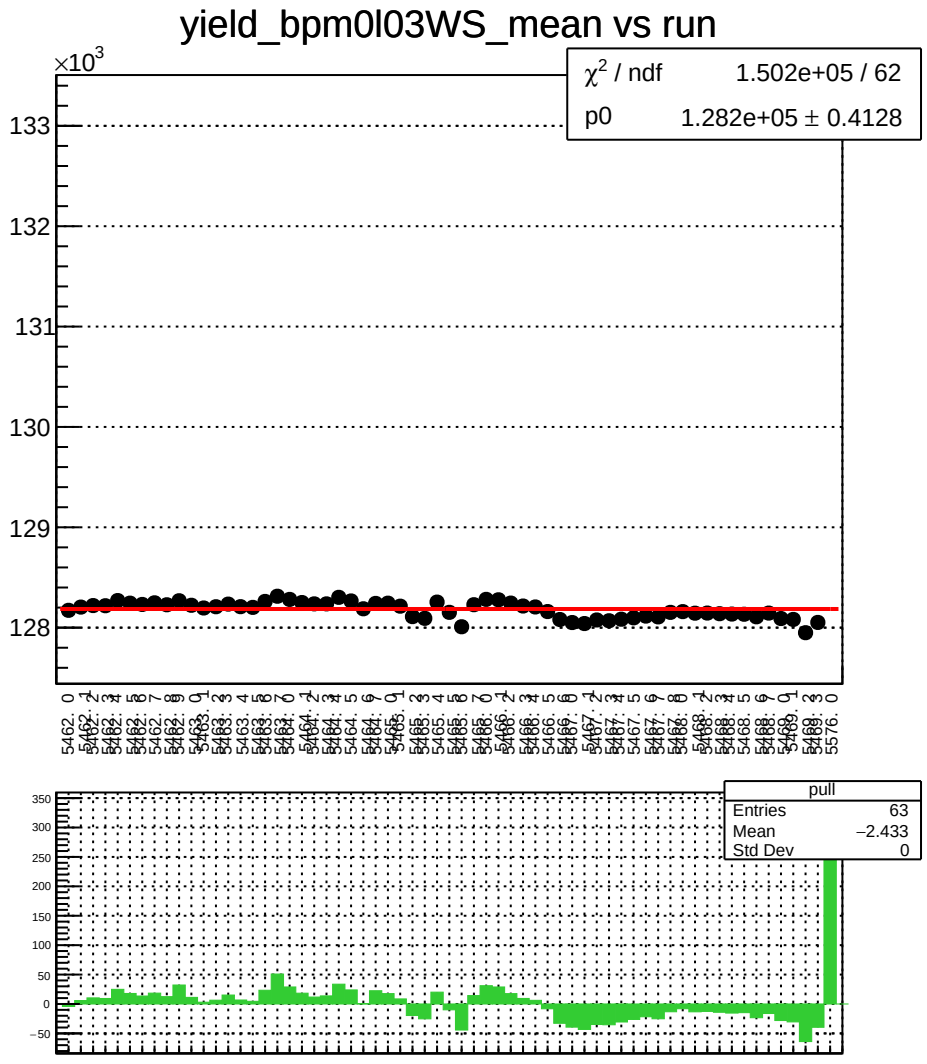

yield_bpm0l01WS_rms vs run
χ² / ndf 3067 / 62
p0 308.2 ± 0.2804
400
380
360
340
320
300
280

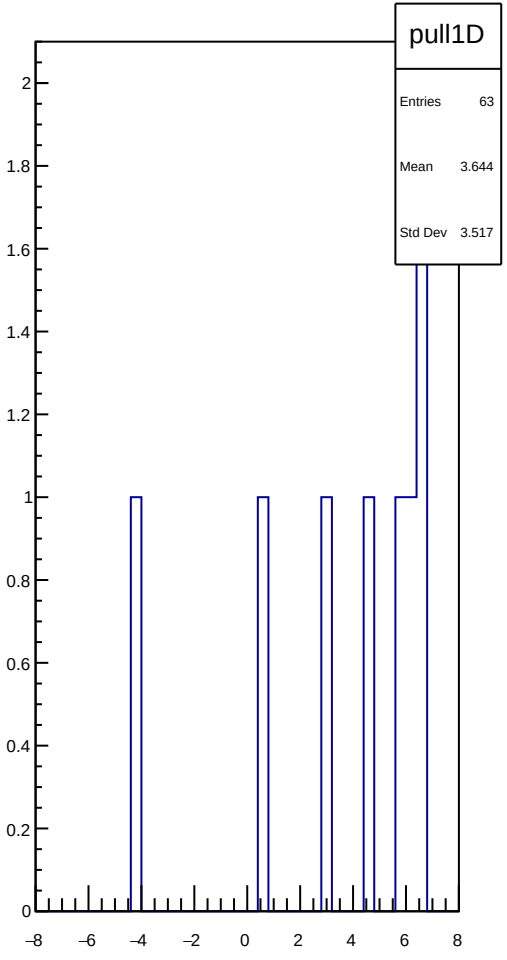

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 2.664e+05 / 62
p0 1.472e+05 ± 0.5456
150
149.5
149
148.5
148
147.5
147

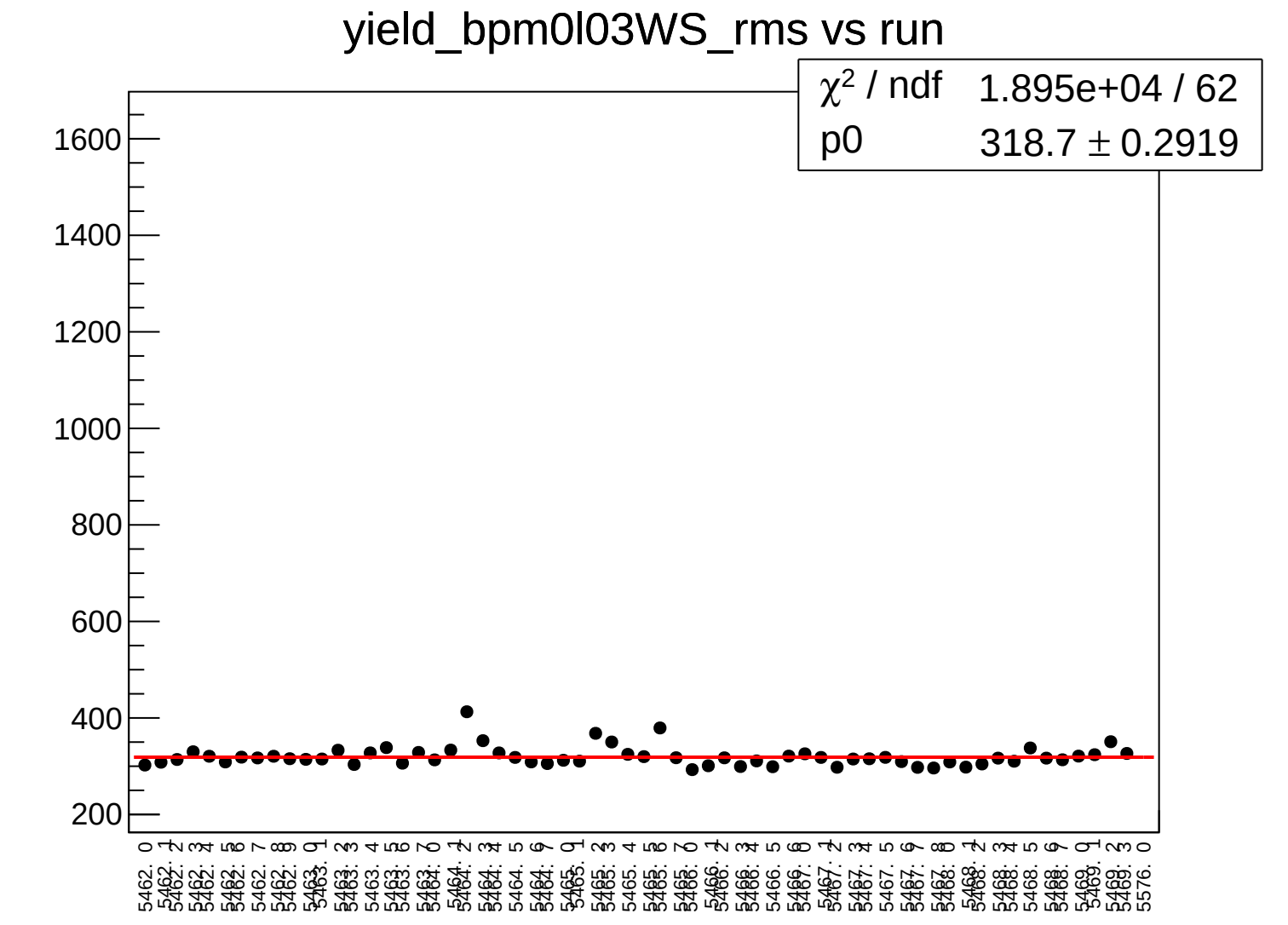

pull
Entries 63
Mean −56.36
Std Dev 0
400
300
200
100
0

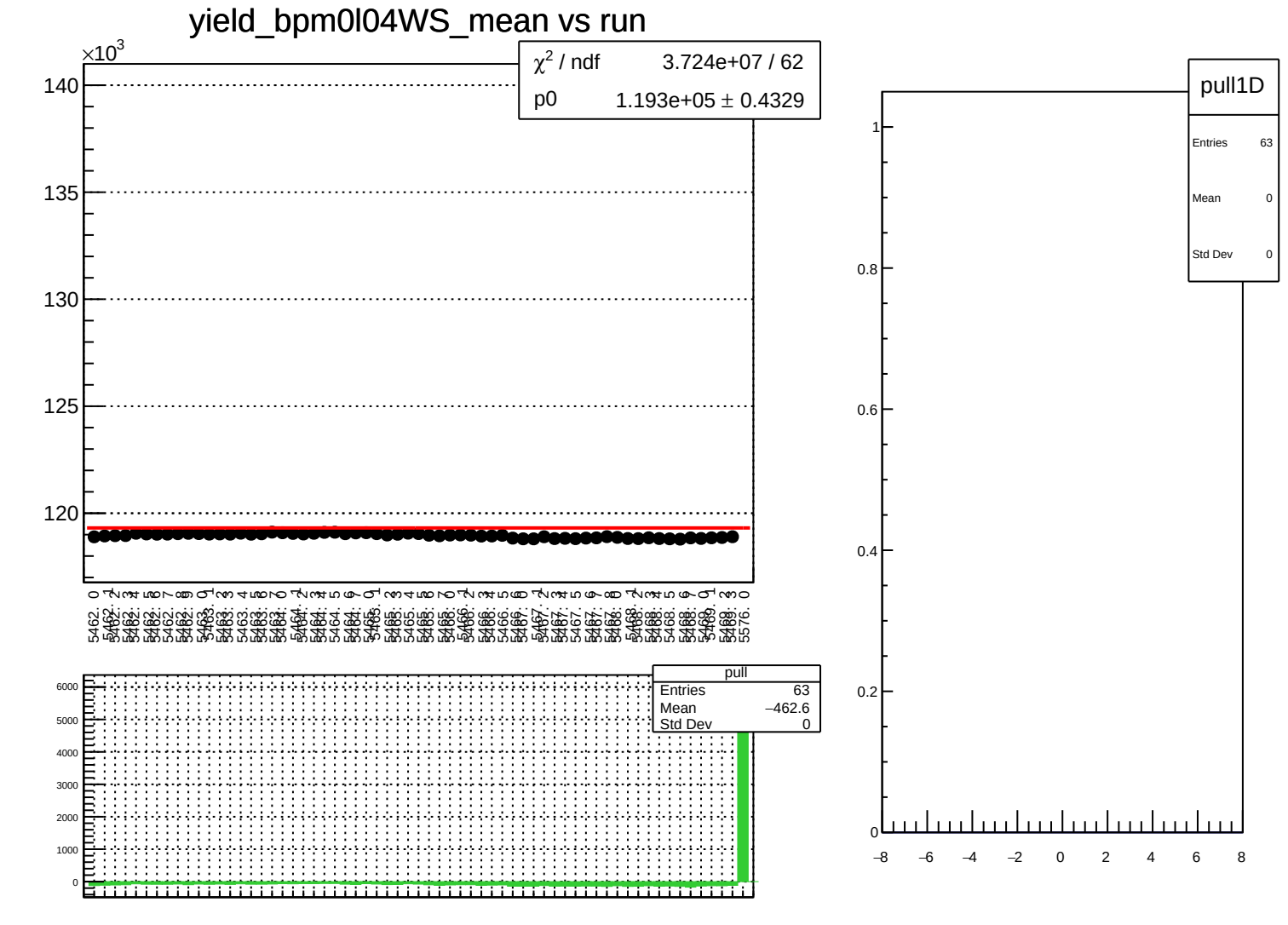

pull1D
Entries 63
Mean −0.5295
Std Dev 3.928
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

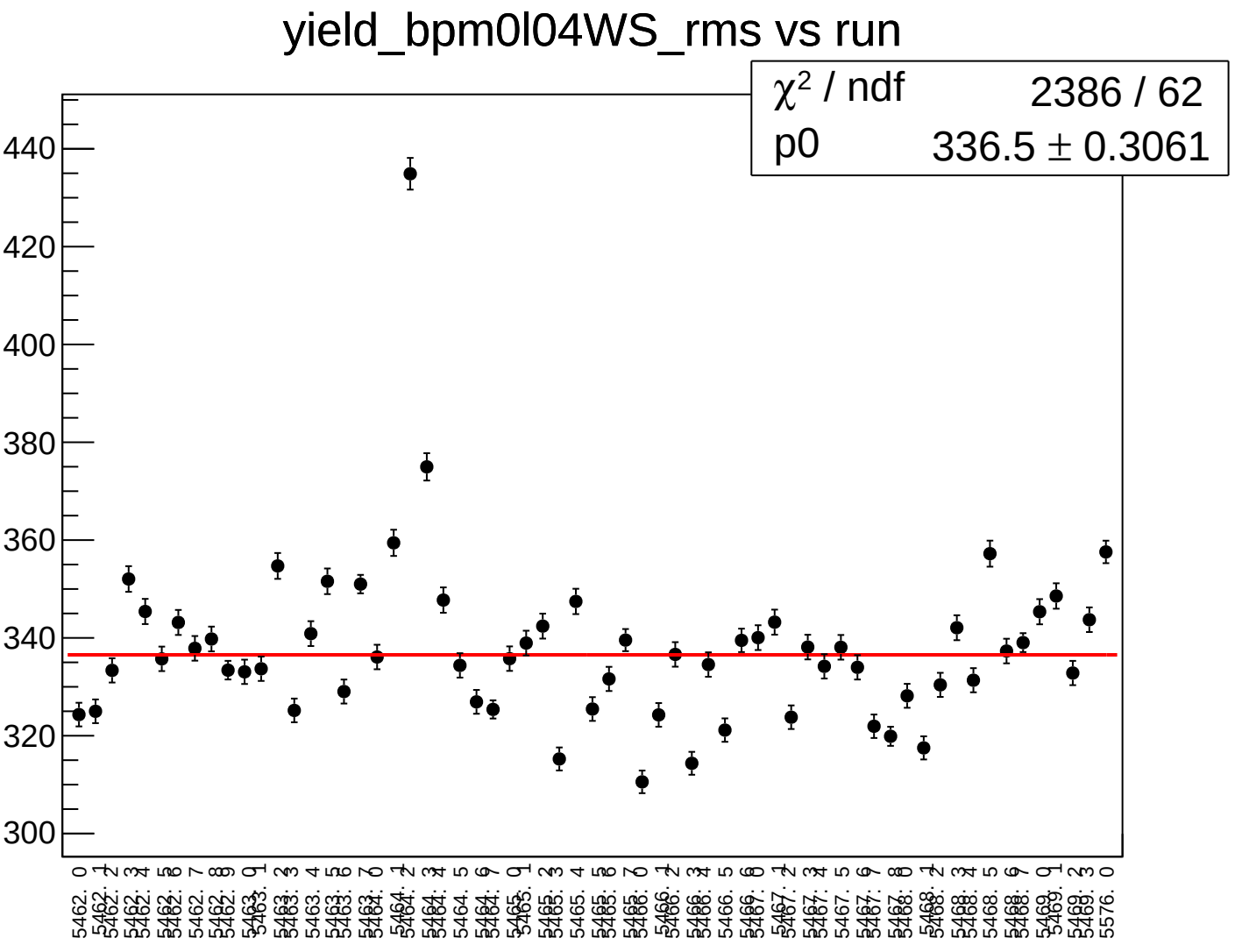

yield_bpm0l02WS_rms vs run
χ² / ndf 5001 / 62
p0 423.7 ± 0.3858
700
650
600
550
500
450
400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

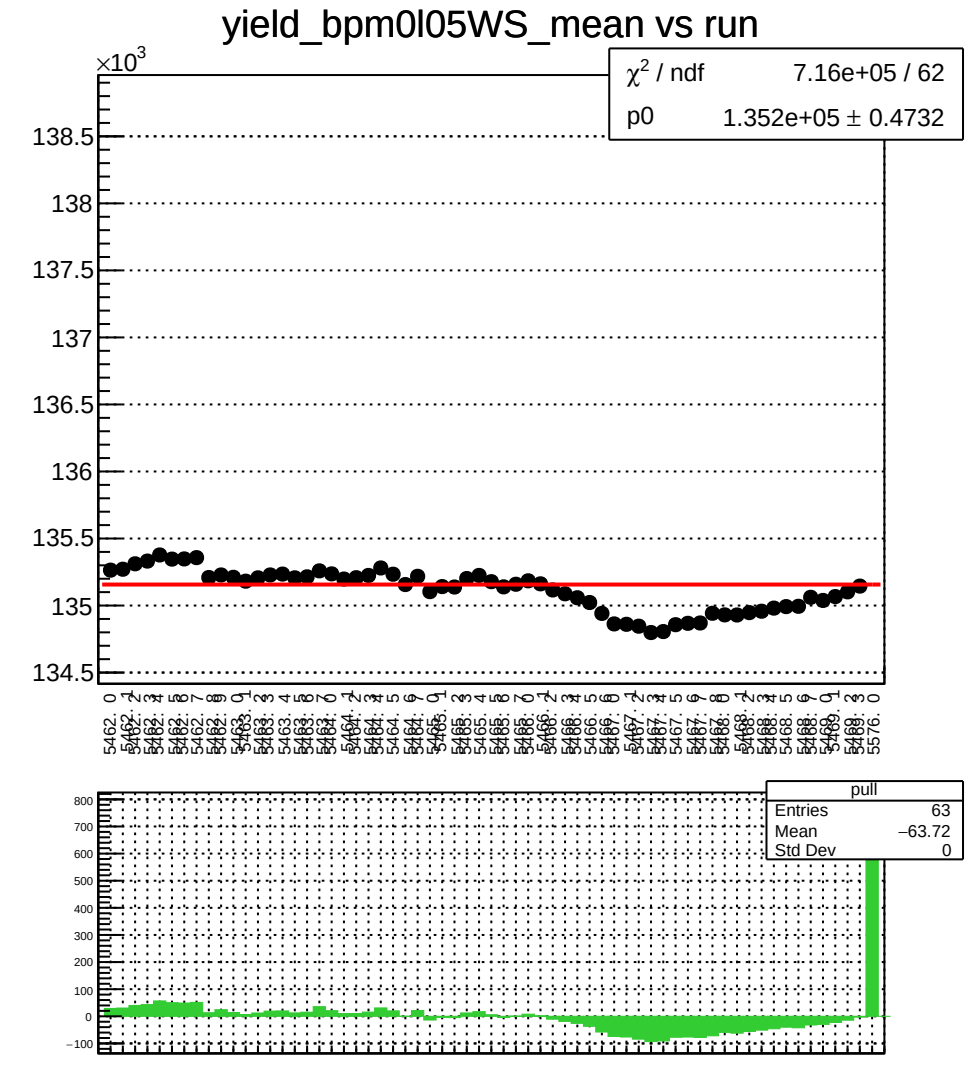

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.502e+05 / 62
p0 1.282e+05 ± 0.4128
133
132
131
130
129
128
pull
Entries 63
Mean −2.433
Std Dev 0
350
300
250
200
150
100
50
0
−50

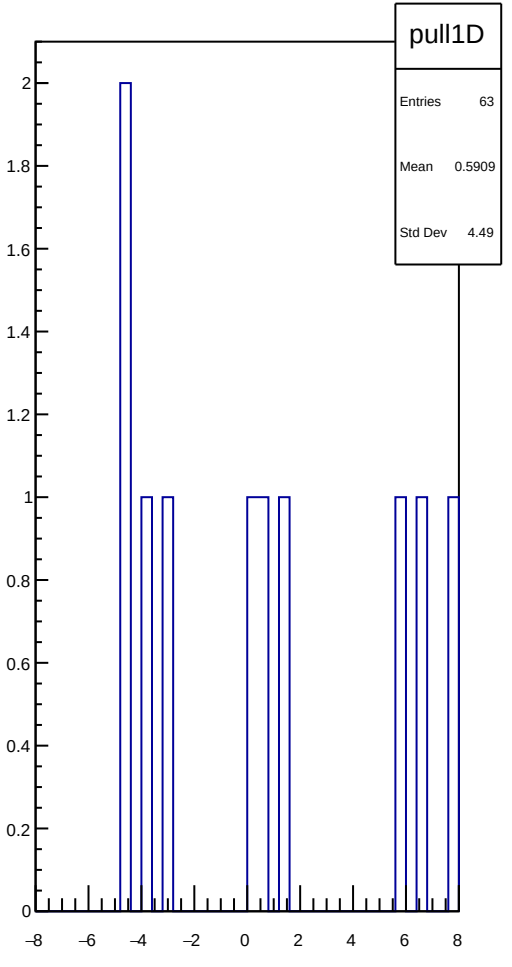

pull1D
Entries 63
Mean 3.644
Std Dev 3.517
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

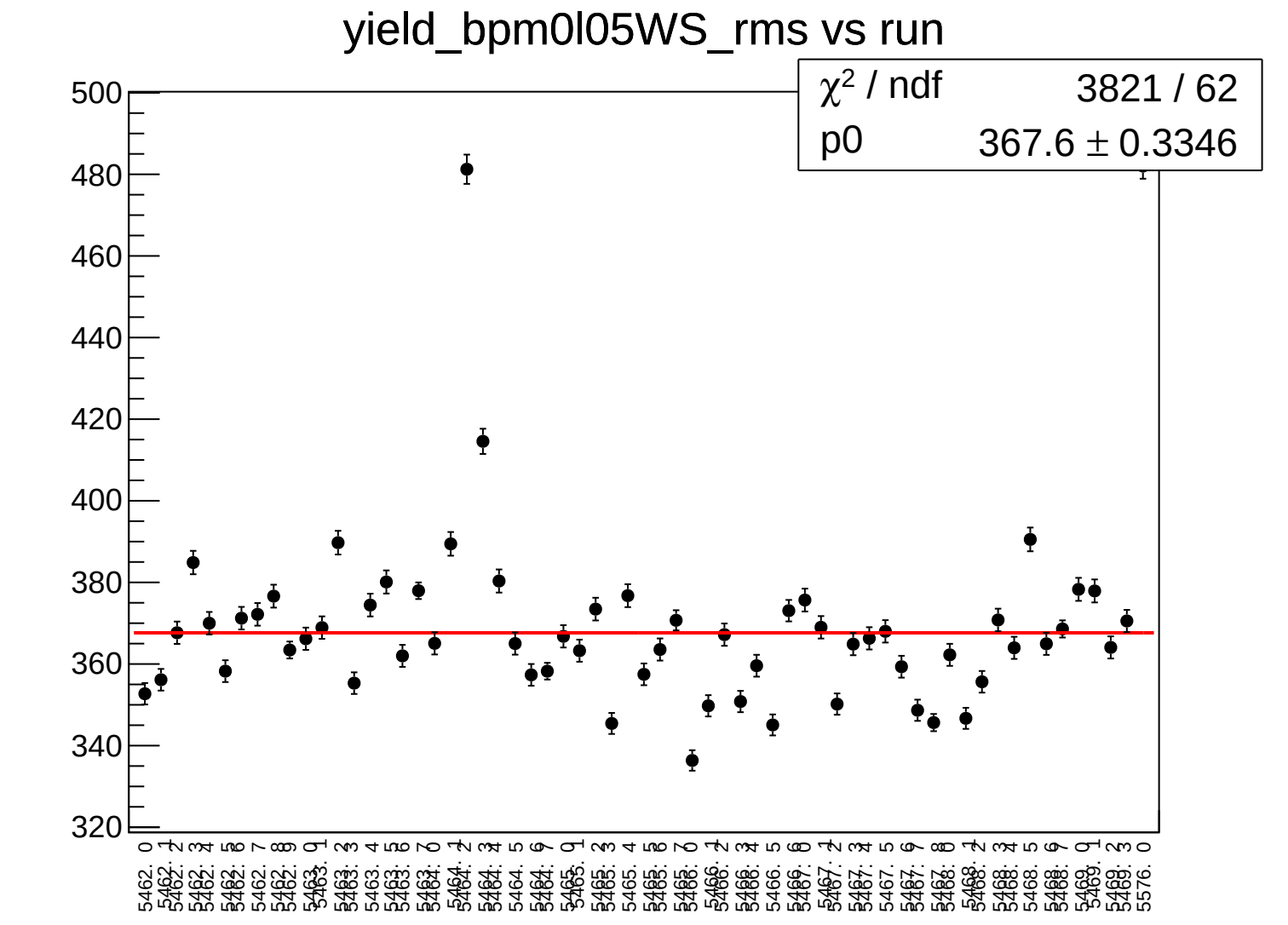

yield_bpm0l03WS_rms vs run
χ² / ndf 1.895e+04 / 62
p0 318.7 ± 0.2919
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

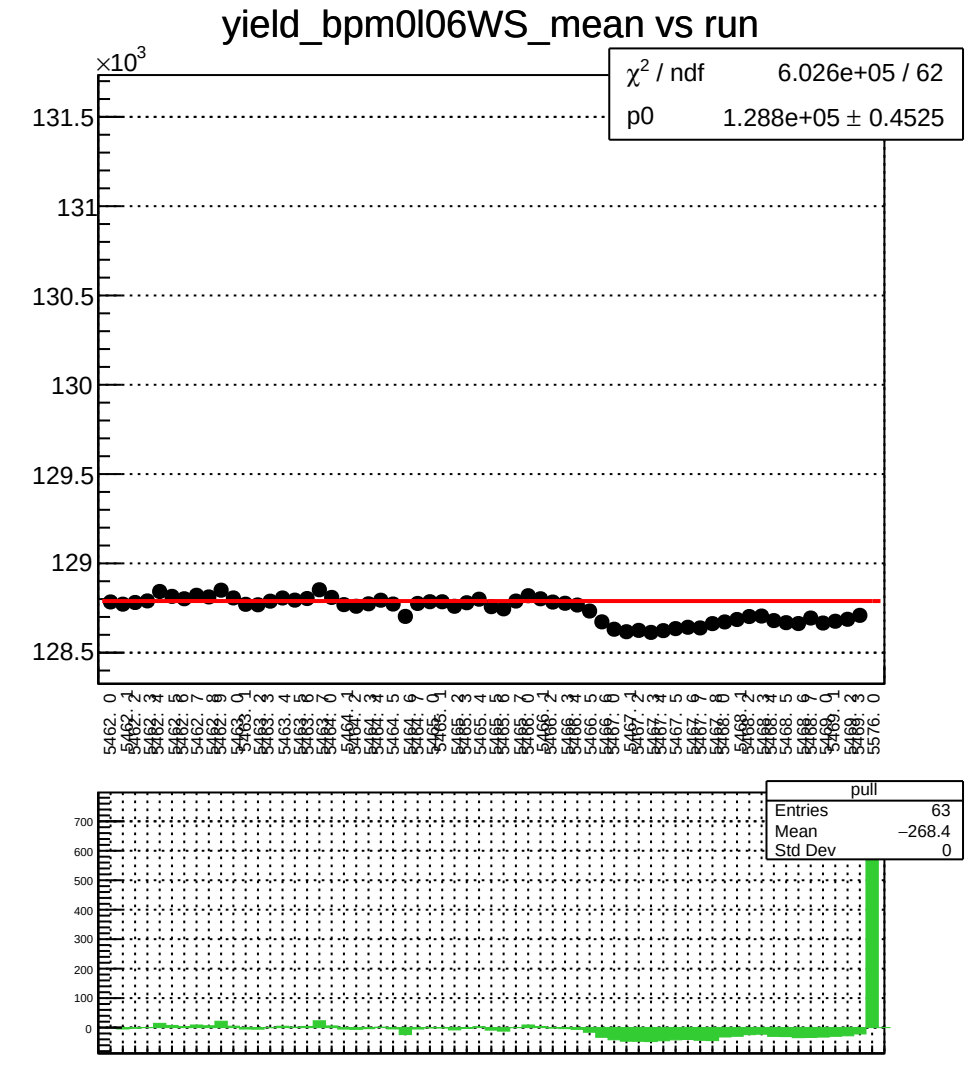

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 3.724e+07 / 62
p0 1.193e+05 ± 0.4329
140
135
130
125
120
pull
Entries 63
Mean −462.6
Std Dev 0
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

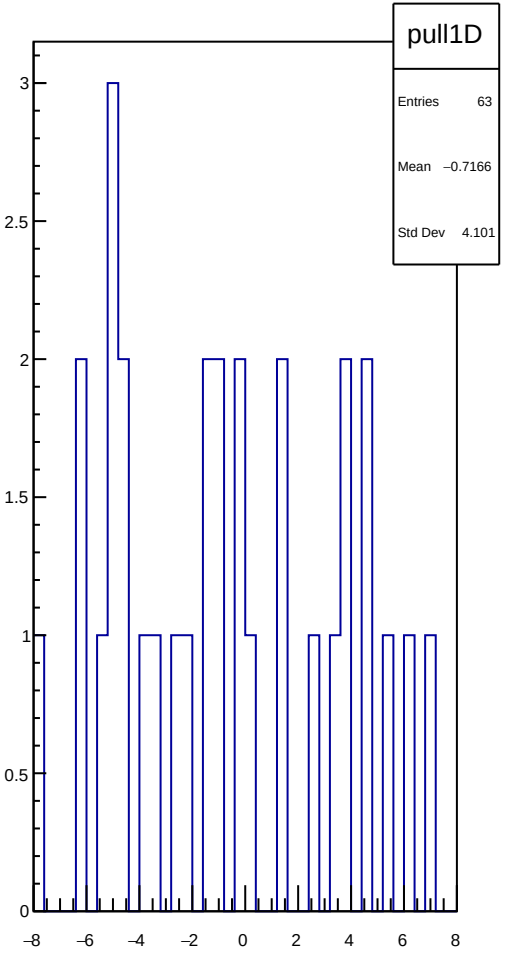

yield_bpm0l04WS_rms vs run
χ² / ndf 2386 / 62
p0 336.5 ± 0.3061
440
420
400
380
360
340
320
300

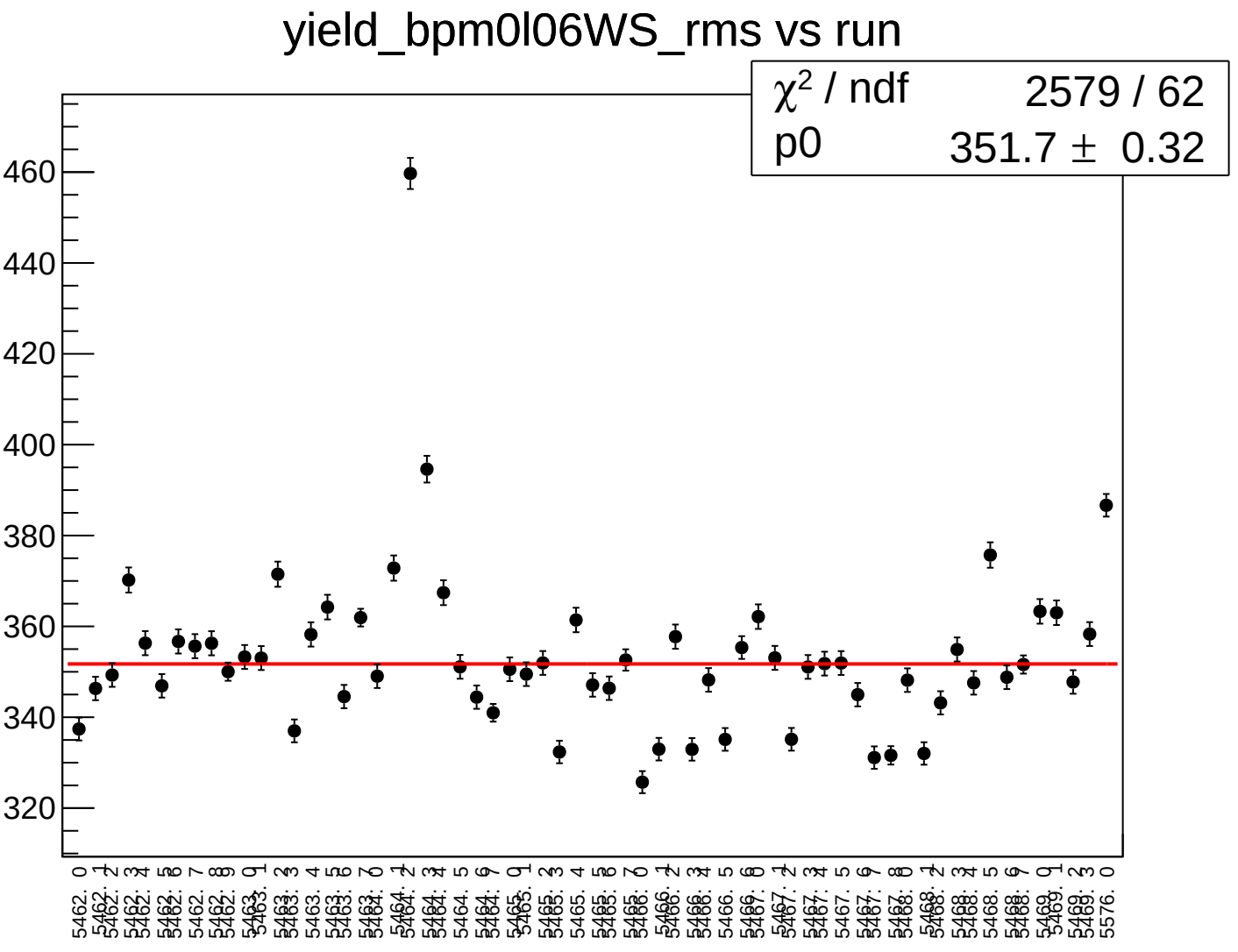

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 7.16e+05 / 62
p0 1.352e+05 ± 0.4732
138.5
138
137.5
137
136.5
136
135.5
135
134.5
pull
Entries 63
Mean −63.72
Std Dev 0
800
700
600
500
400
300
200
100
0
−100

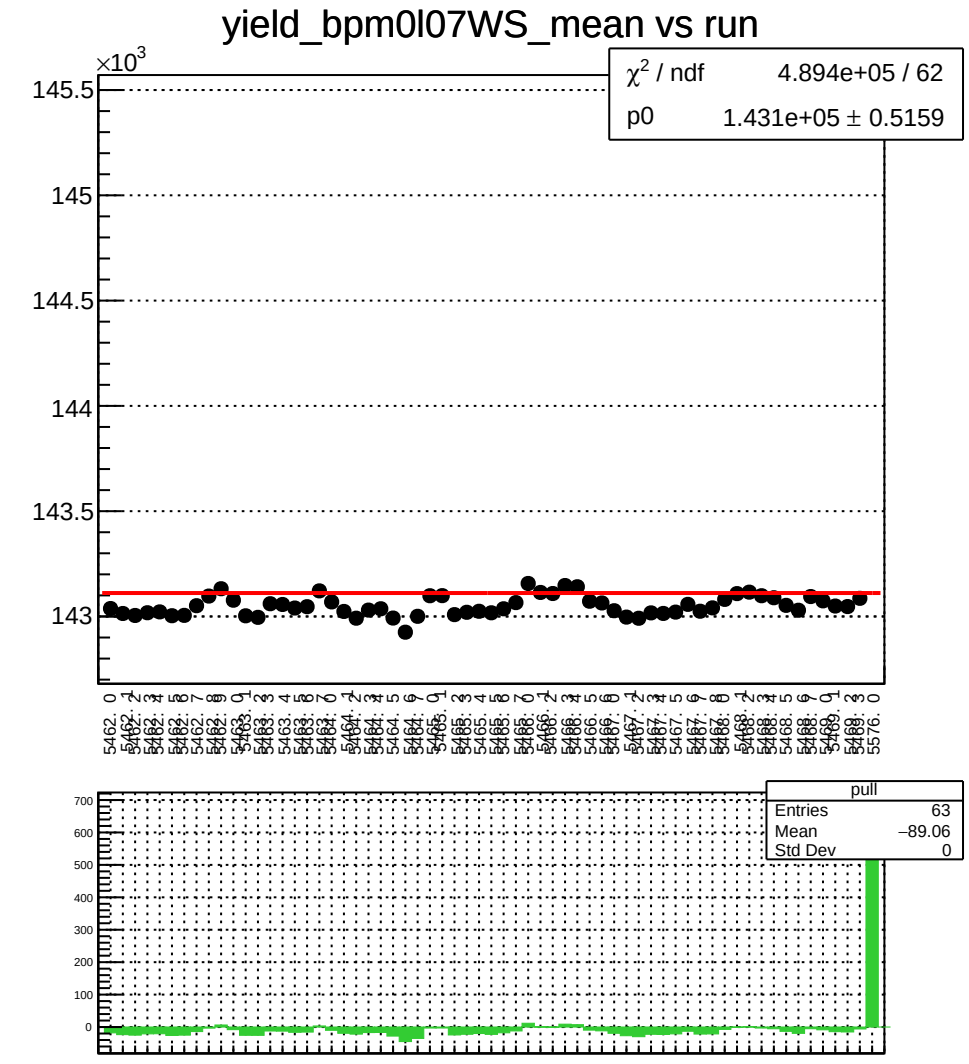

pull1D
Entries 63
Mean 0.5909
Std Dev 4.49
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

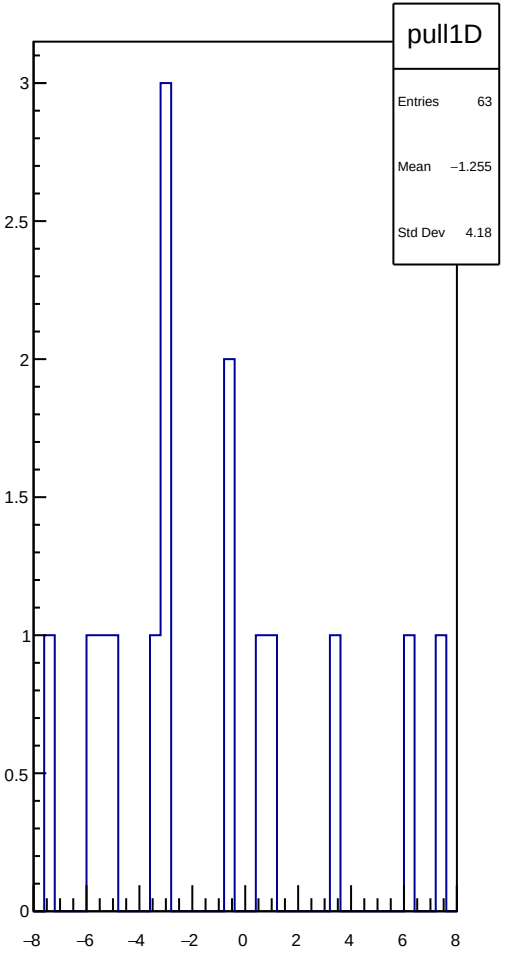

yield_bpm0l05WS_rms vs run
χ² / ndf 3821 / 62
p0 367.6 ± 0.3346
500
480
460
440
420
400
380
360
340
320

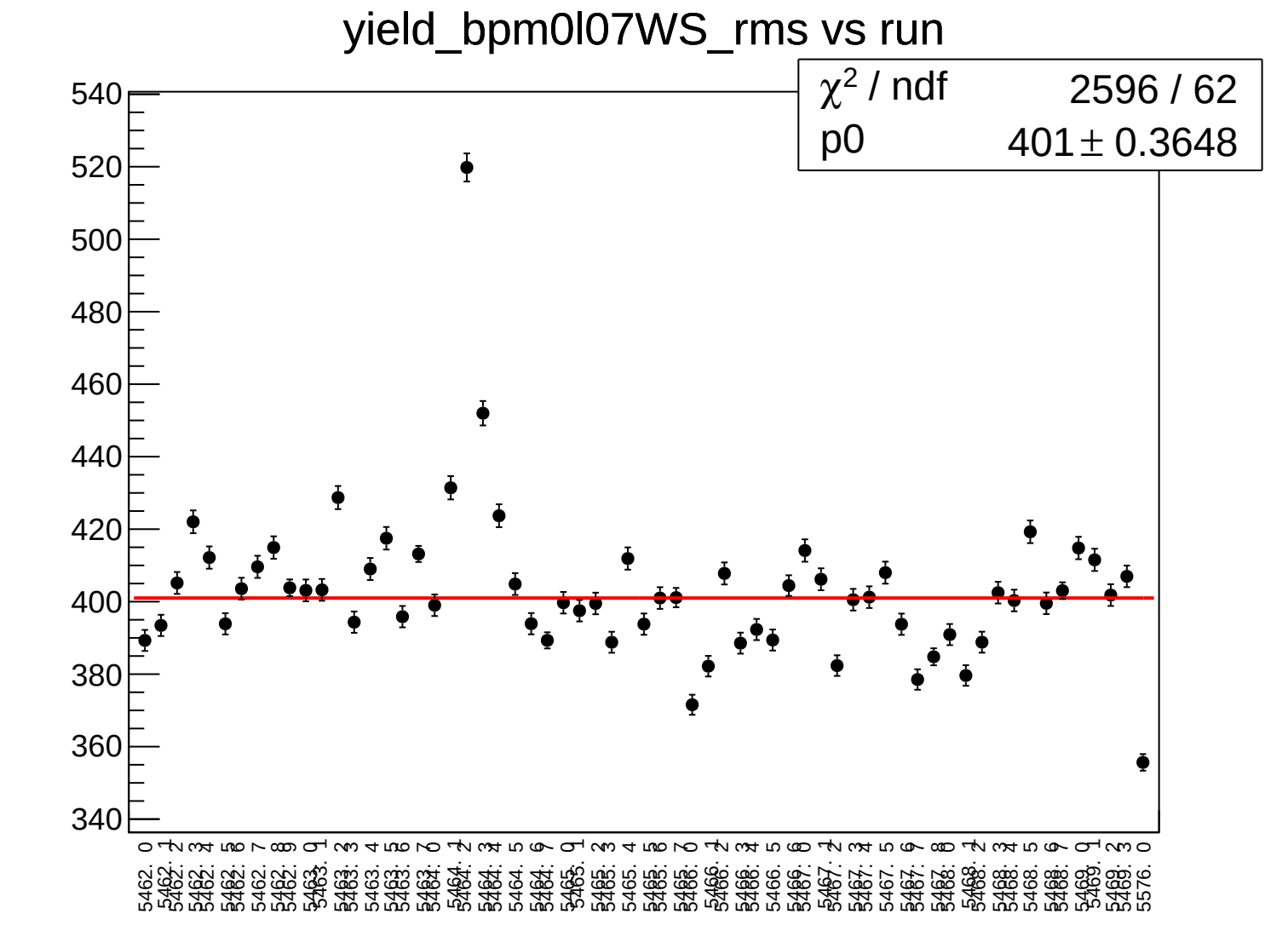

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 6.026e+05 / 62
p0 1.288e+05 ± 0.4525
131.5
131
130.5
130
129.5
129
128.5
pull
Entries 63
Mean −268.4
Std Dev 0
700
600
500
400
300
200
100
0

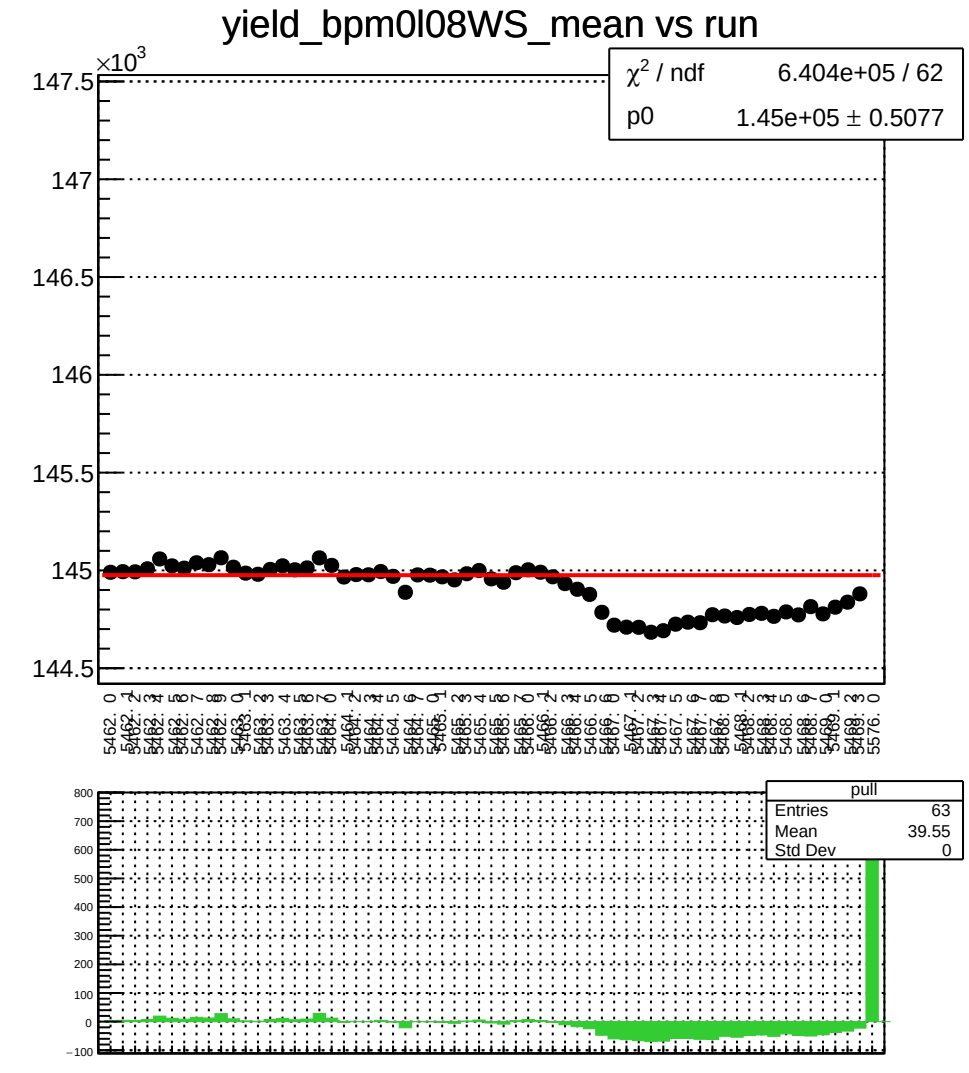

pull1D
Entries 63
Mean −0.7166
Std Dev 4.101
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

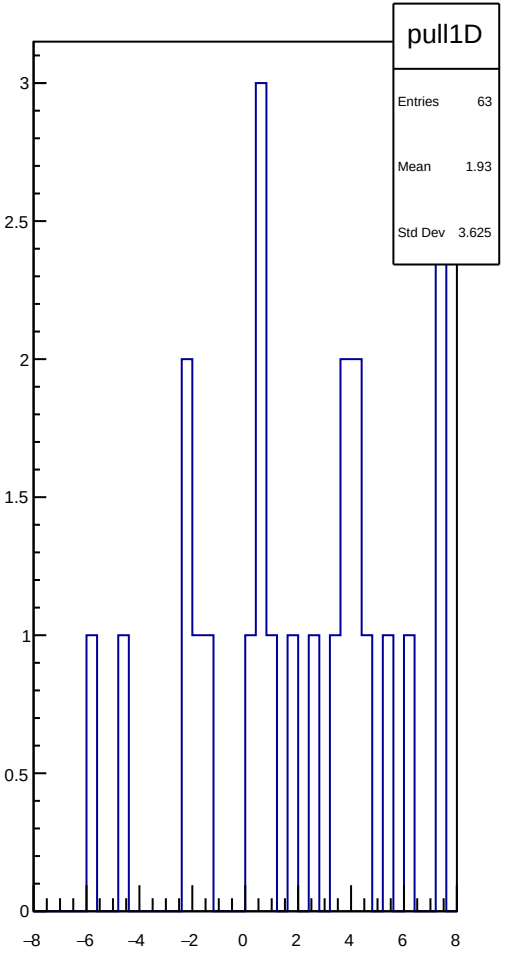

yield_bpm0l06WS_rms vs run
χ² / ndf 2579 / 62
p0 351.7 ± 0.32
460
440
420
400
380
360
340
320

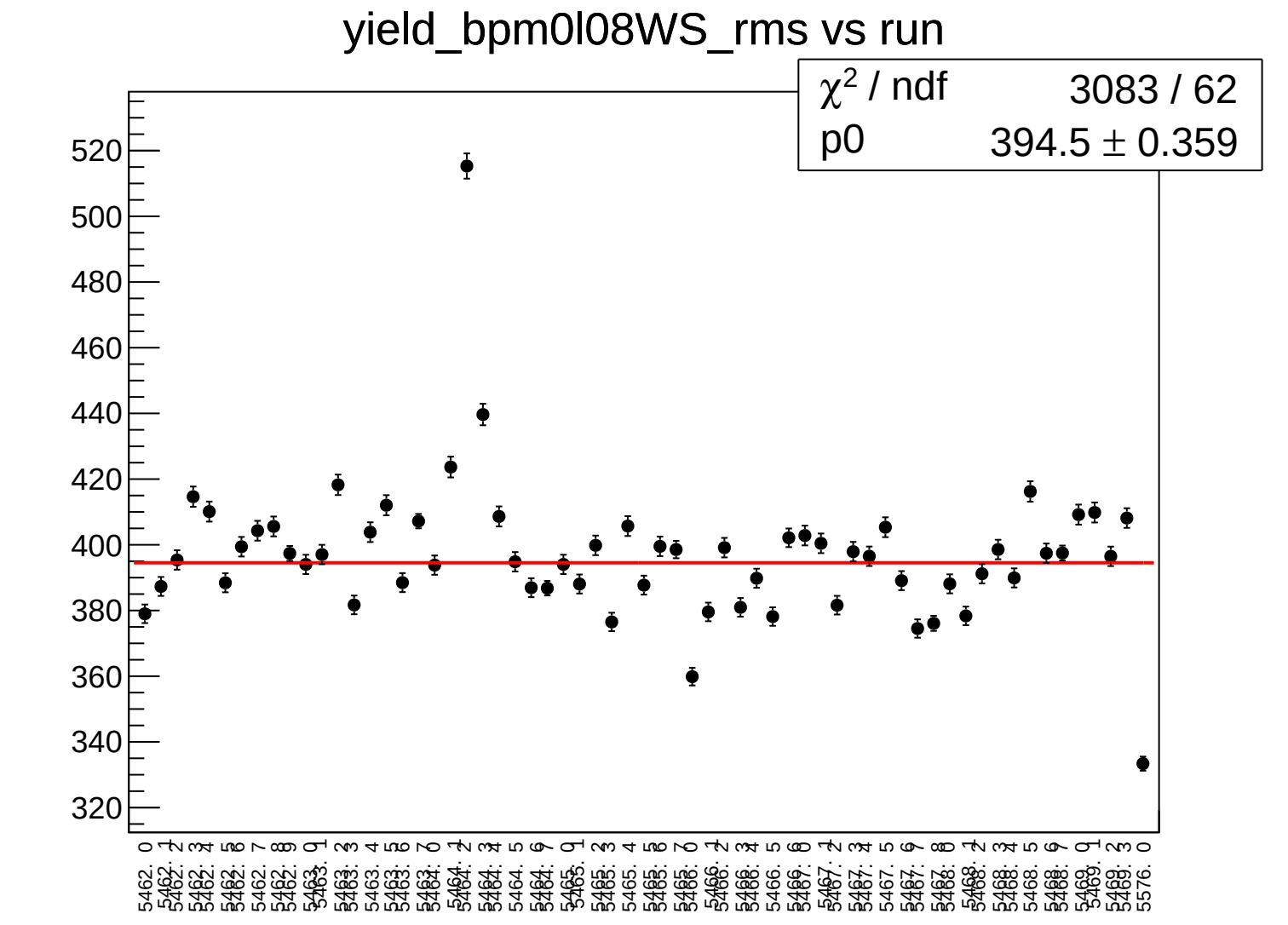

yield_bpm0l07WS_mean vs run
×10^3
χ^2 / ndf 4.894e+05 / 62
p0 1.431e+05 ± 0.5159
145.5
145
144.5
144
143.5
143
pull
Entries 63
Mean −89.06
Std Dev 0
700
600
500
400
300
200
100
0

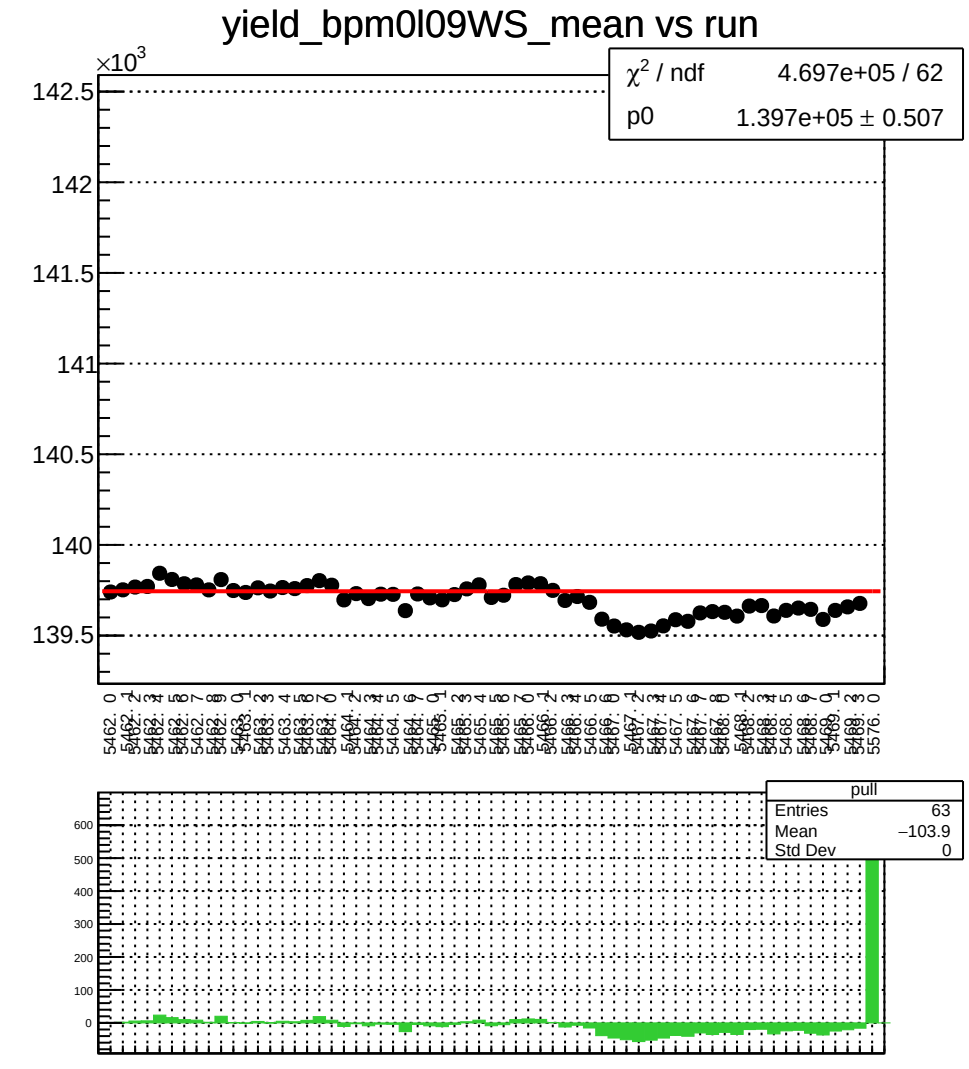

pull1D
Entries 63
Mean −1.255
Std Dev 4.18
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

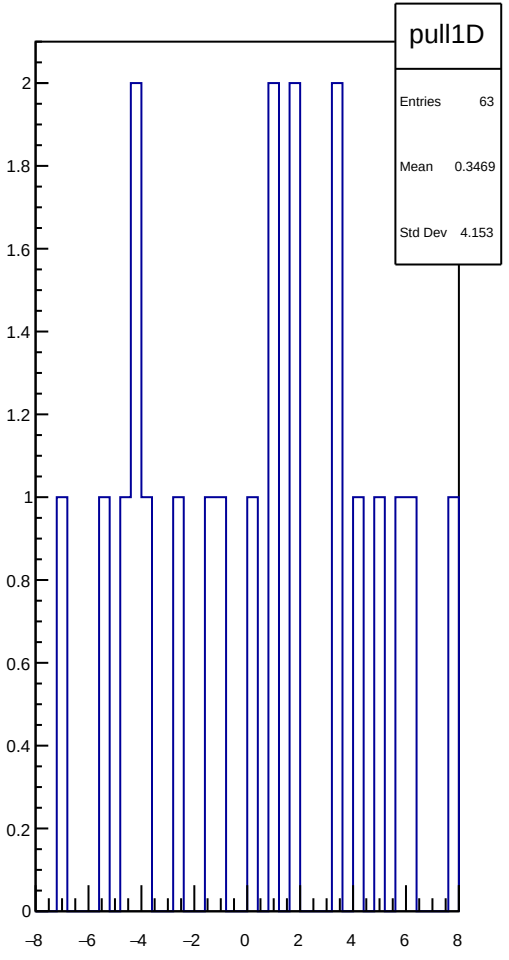

yield_bpm0l07WS_rms vs run
χ^2 / ndf 2596 / 62
p0 401 ± 0.3648
540
520
500
480
460
440
420
400
380
360
340

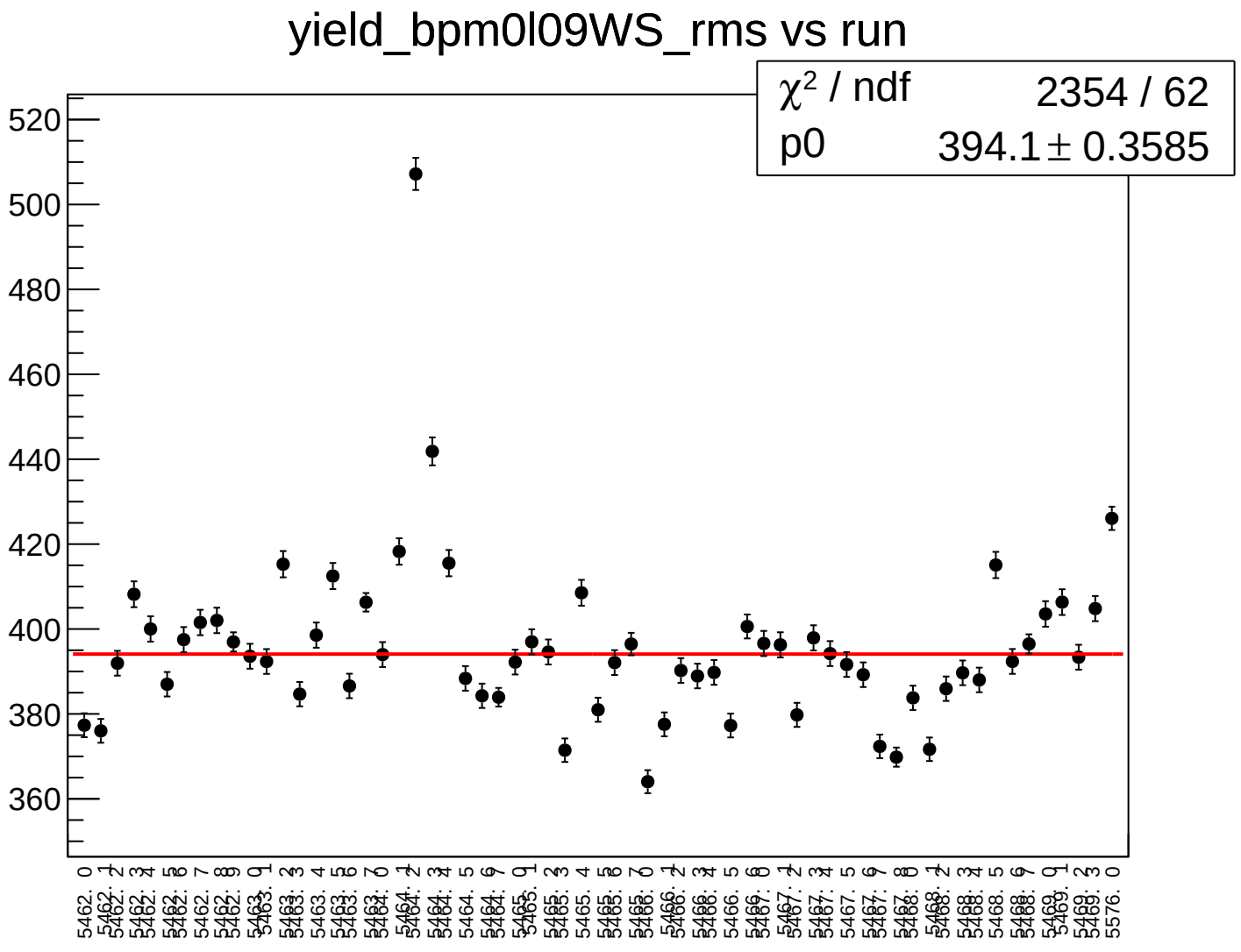

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 6.404e+05 / 62
p0 1.45e+05 ± 0.5077
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 63
Mean 39.55
Std Dev 0
800
700
600
500
400
300
200
100
0
−100

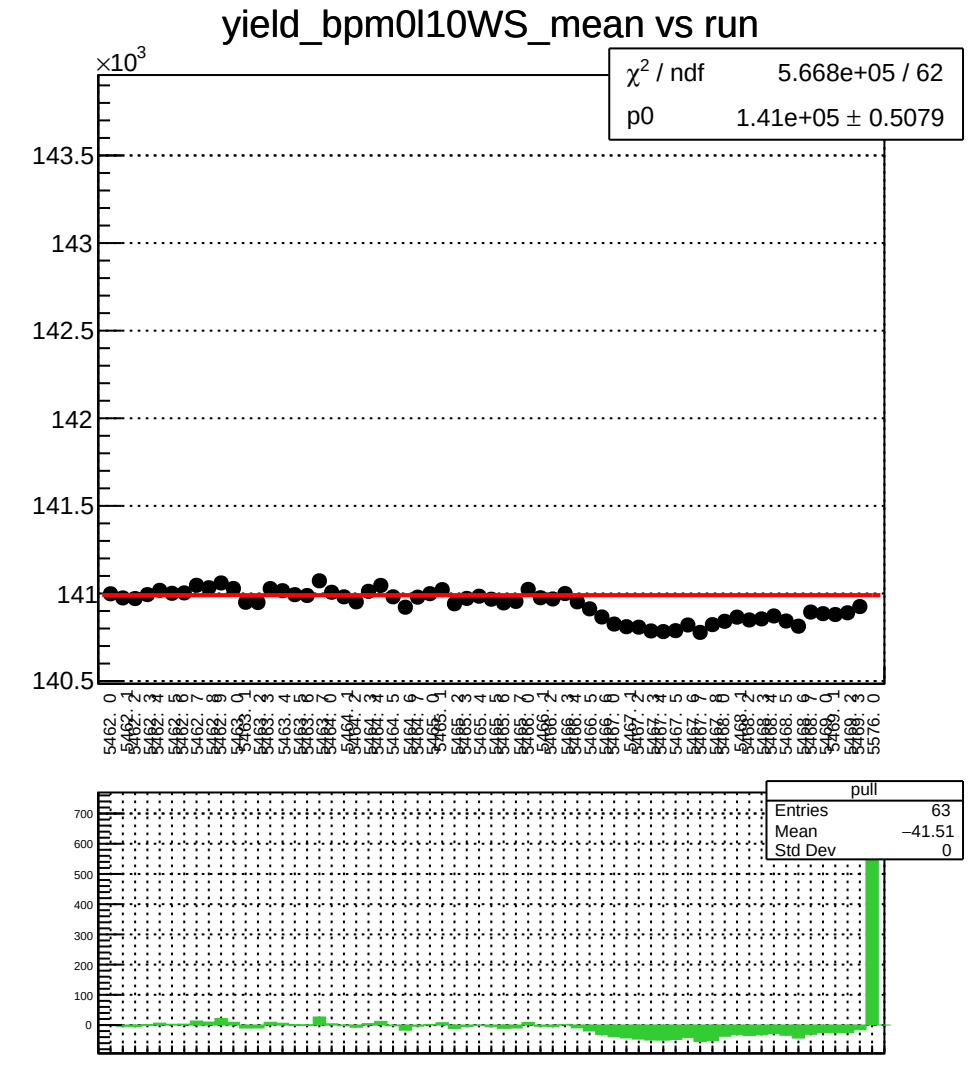

pull1D
Entries 63
Mean 1.93
Std Dev 3.625
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

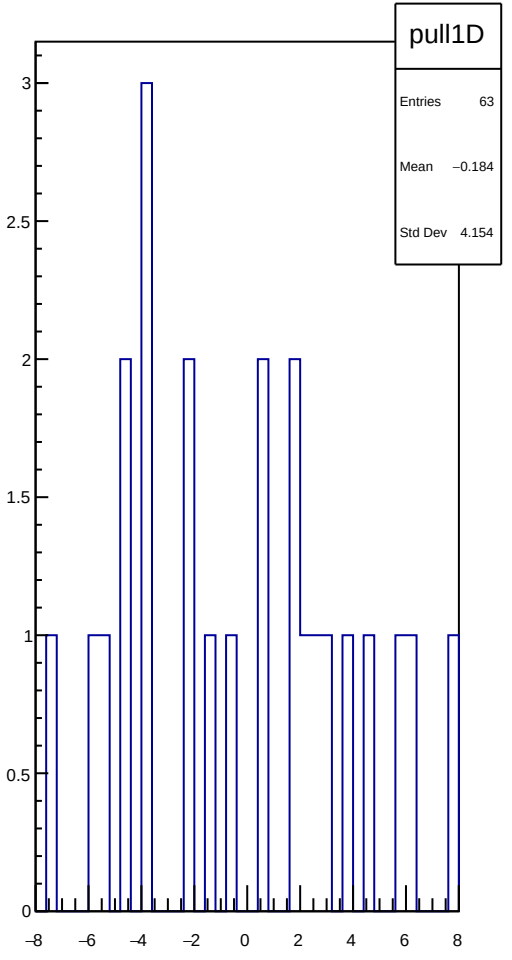

yield_bpm0l08WS_rms vs run
χ² / ndf 3083 / 62
p0 394.5 ± 0.359
520
500
480
460
440
420
400
380
360
340
320

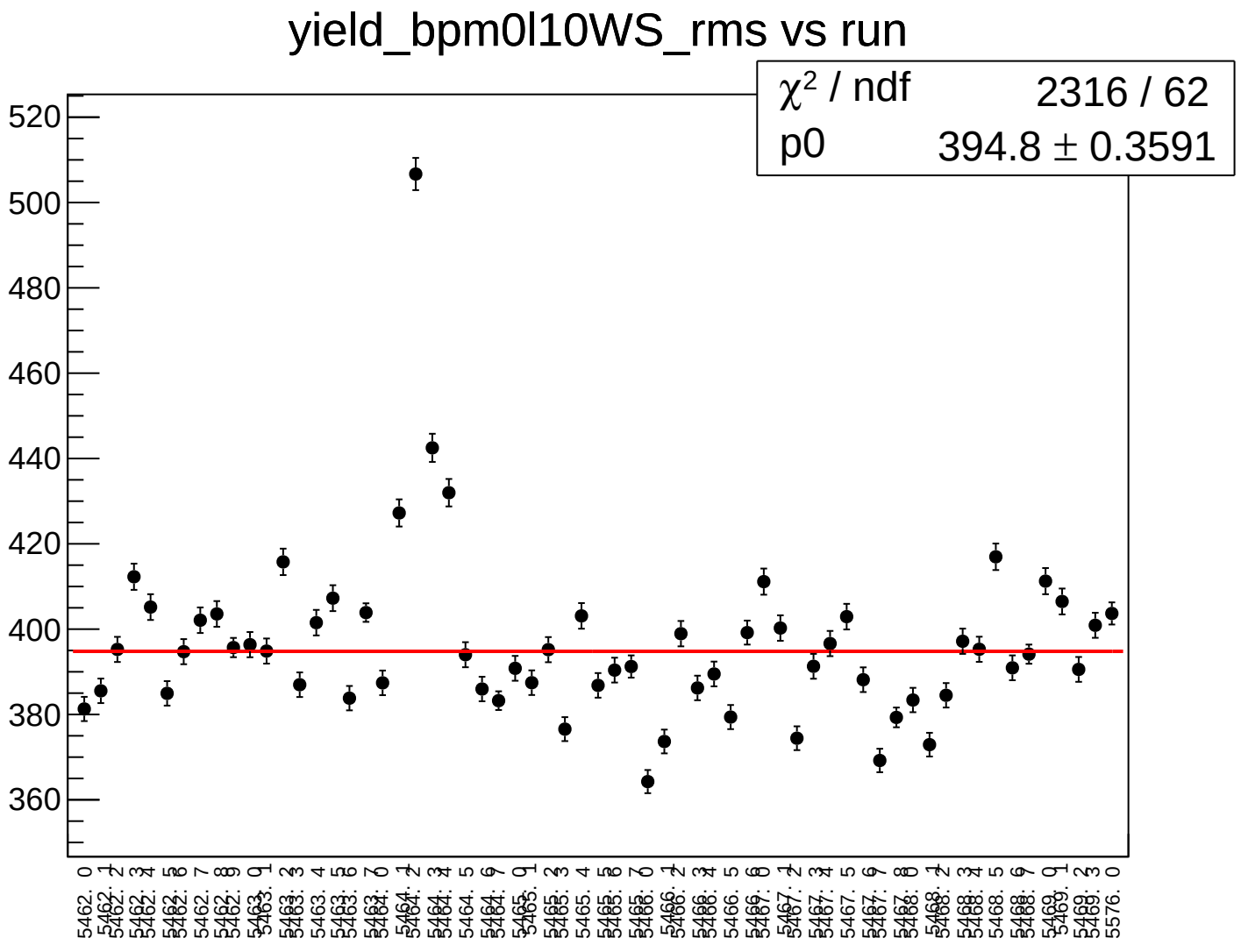

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 4.697e+05 / 62
p0 1.397e+05 ± 0.507
142.5
142
141.5
141
140.5
140
139.5
pull
Entries 63
Mean −103.9
Std Dev 0
600
500
400
300
200
100
0

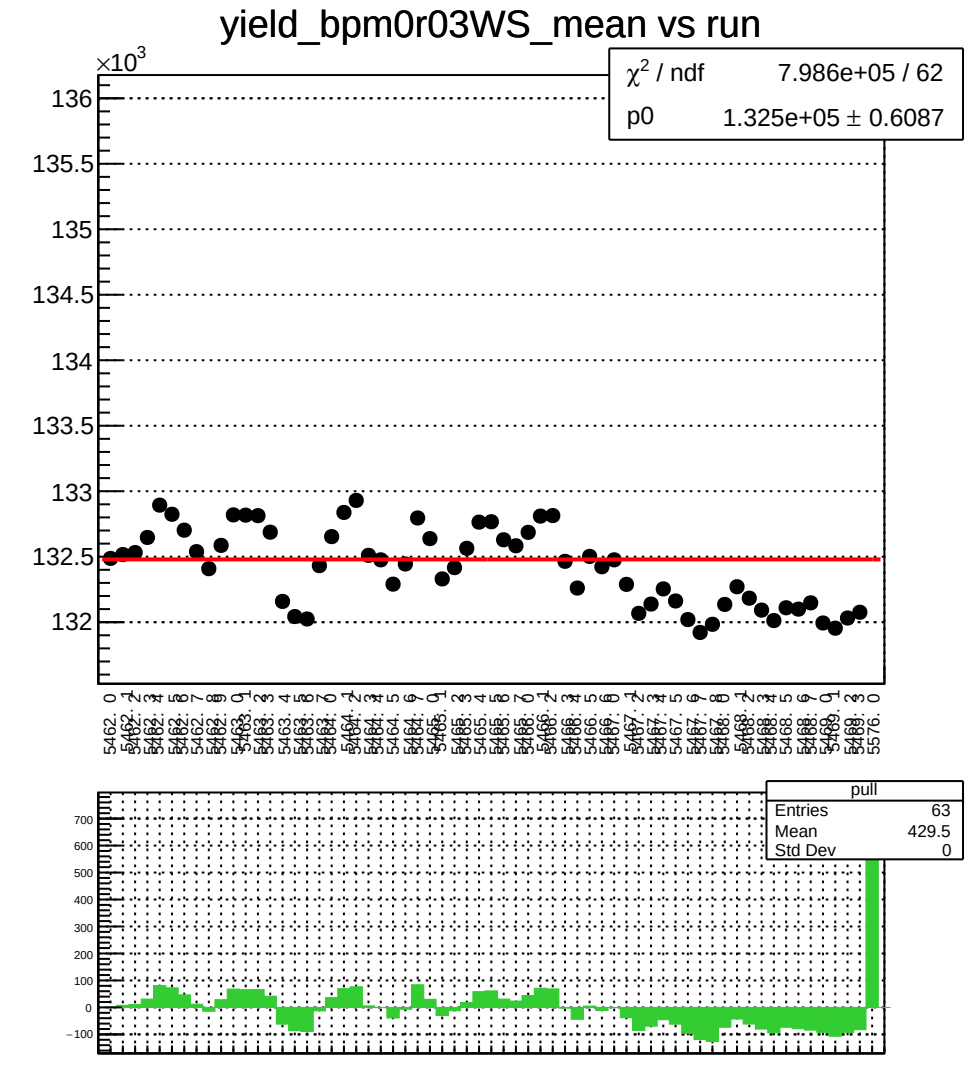

pull1D
Entries 63
Mean 0.3469
Std Dev 4.153
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

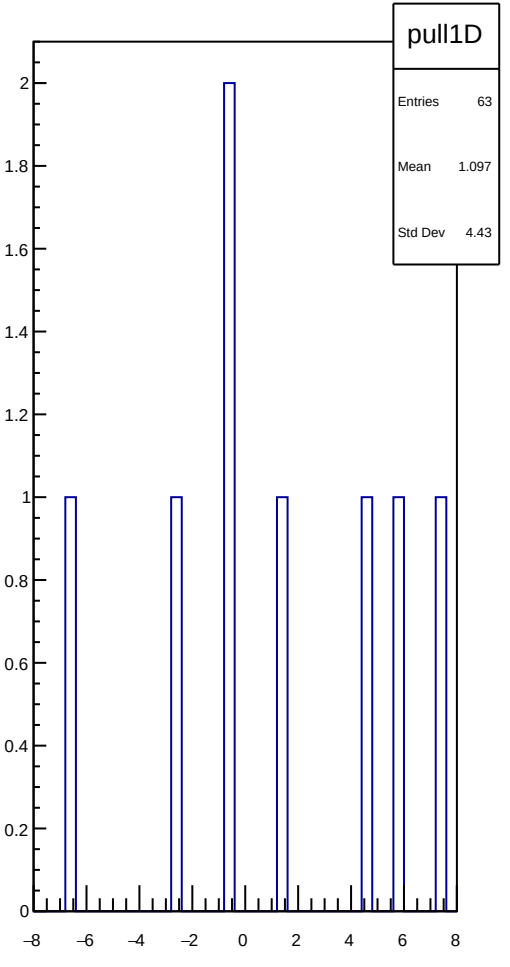

yield_bpm0l09WS_rms vs run
χ² / ndf 2354 / 62
p0 394.1 ± 0.3585
520
500
480
460
440
420
400
380
360

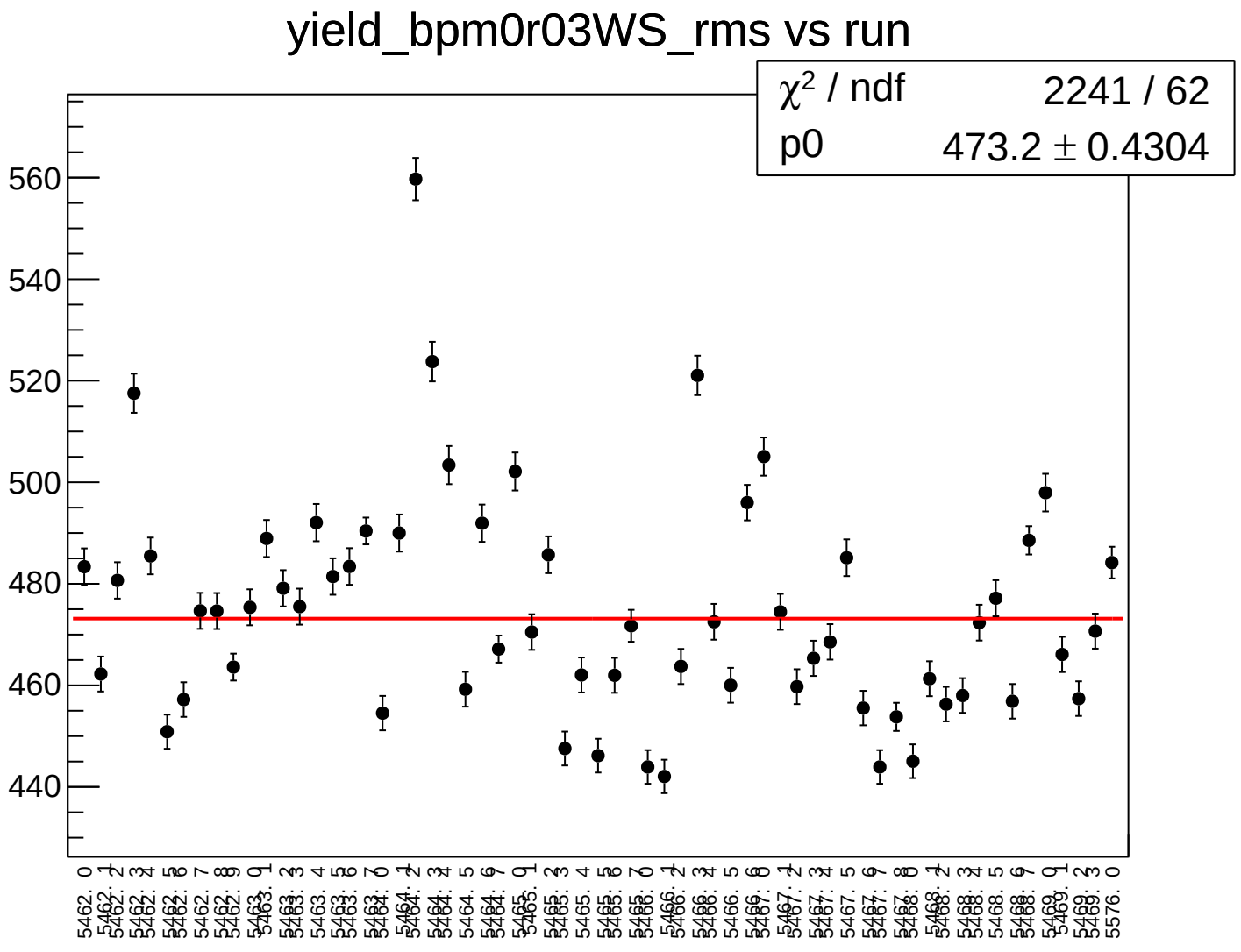

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 5.668e+05 / 62
p0 1.41e+05 ± 0.5079
143.5
143
142.5
142
141.5
141
140.5
pull
Entries 63
Mean −41.51
Std Dev 0
700
600
500
400
300
200
100
0

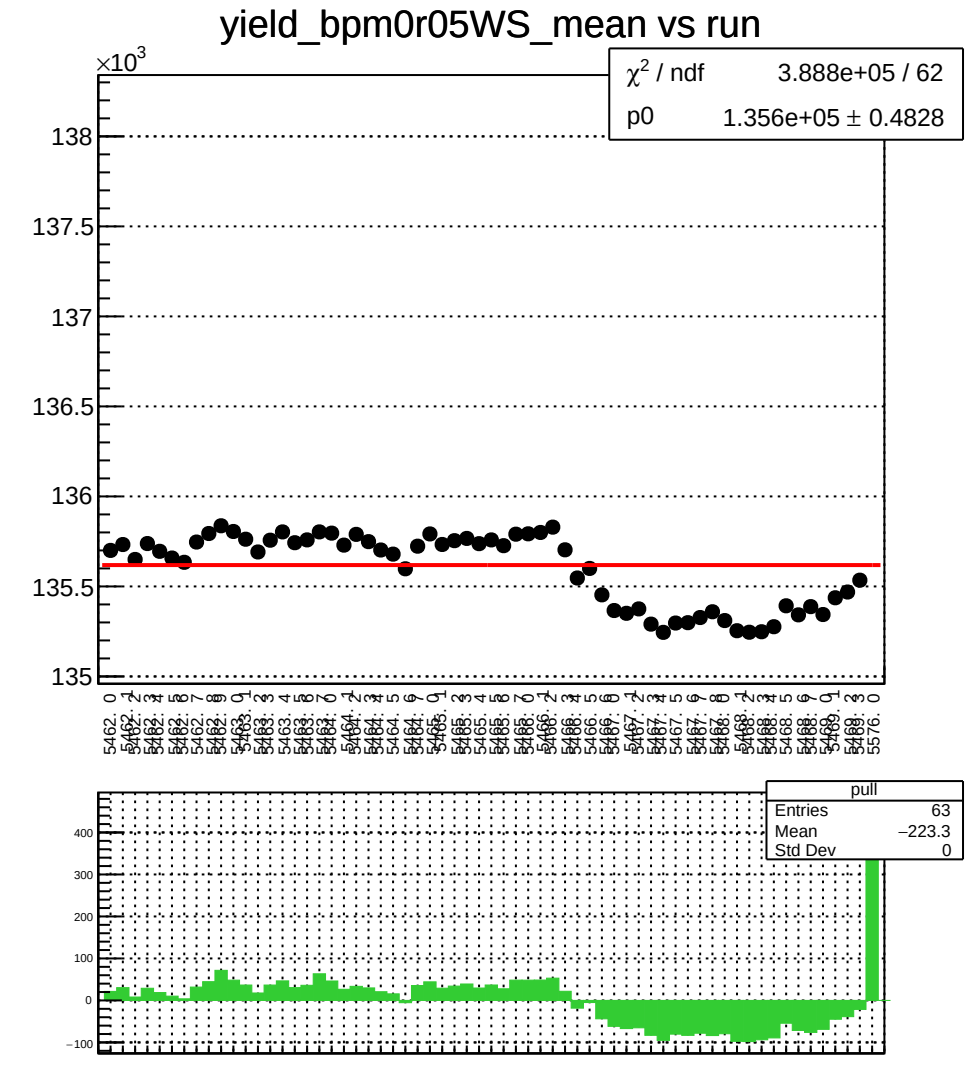

pull1D
Entries 63
Mean −0.184
Std Dev 4.154
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

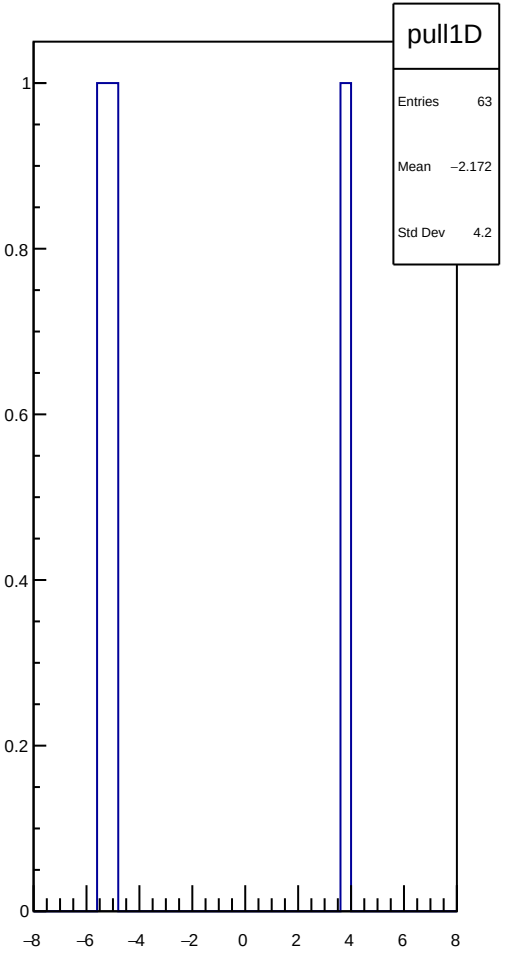

yield_bpm0l10WS_rms vs run
χ² / ndf 2316 / 62
p0 394.8 ± 0.3591
520
500
480
460
440
420
400
380
360

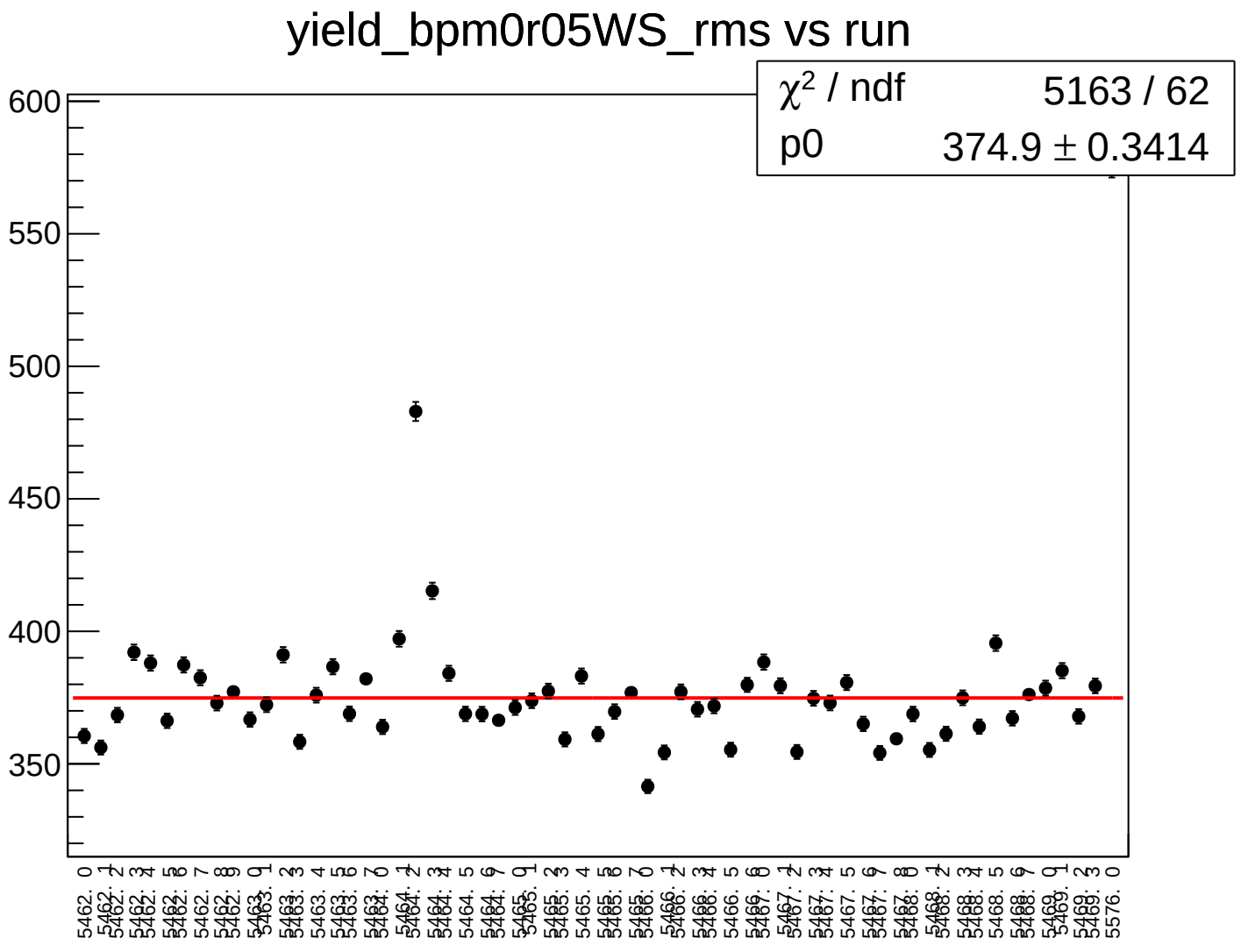

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 7.986e+05 / 62
p0 1.325e+05 ± 0.6087
136
135.5
135
134.5
134
133.5
133
132.5
132
pull
Entries 63
Mean 429.5
Std Dev 0
700
600
500
400
300
200
100
0
−100

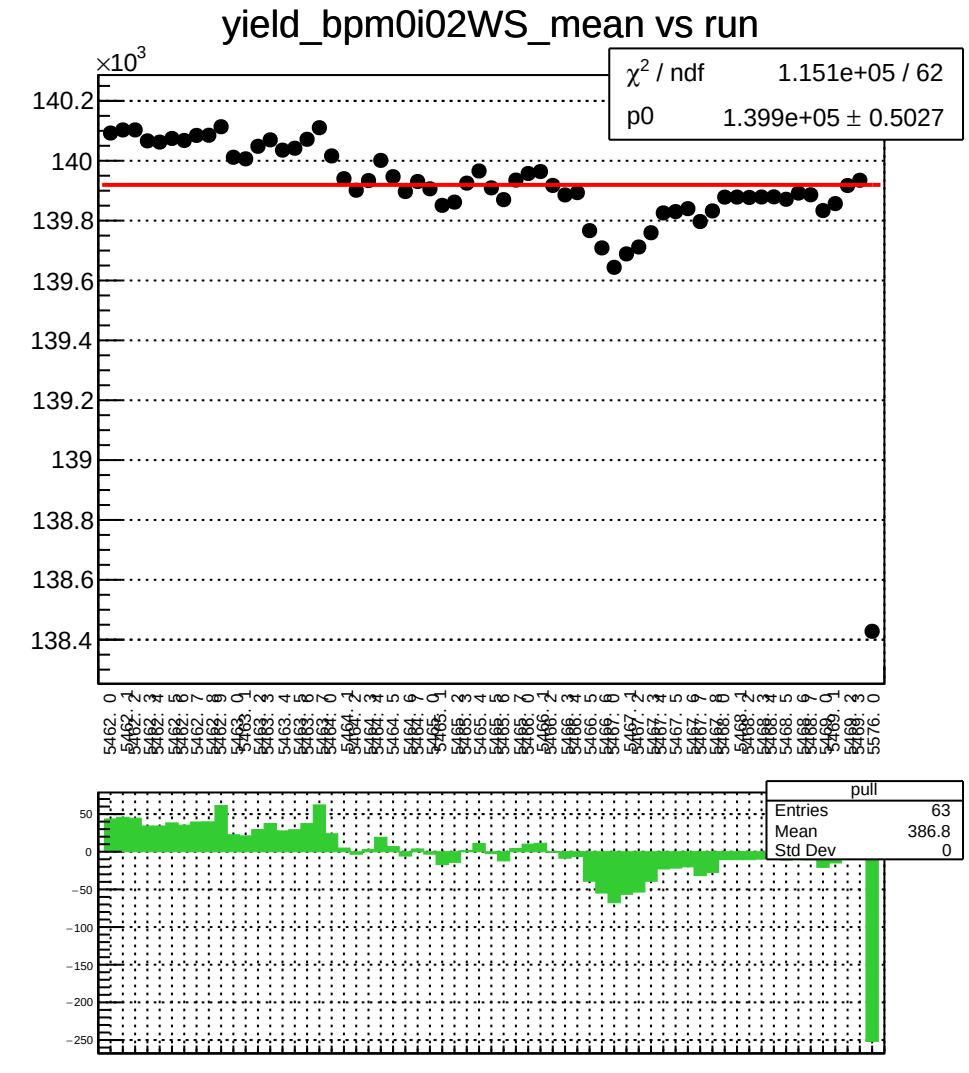

pull1D
Entries 63
Mean 1.097
Std Dev 4.43
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

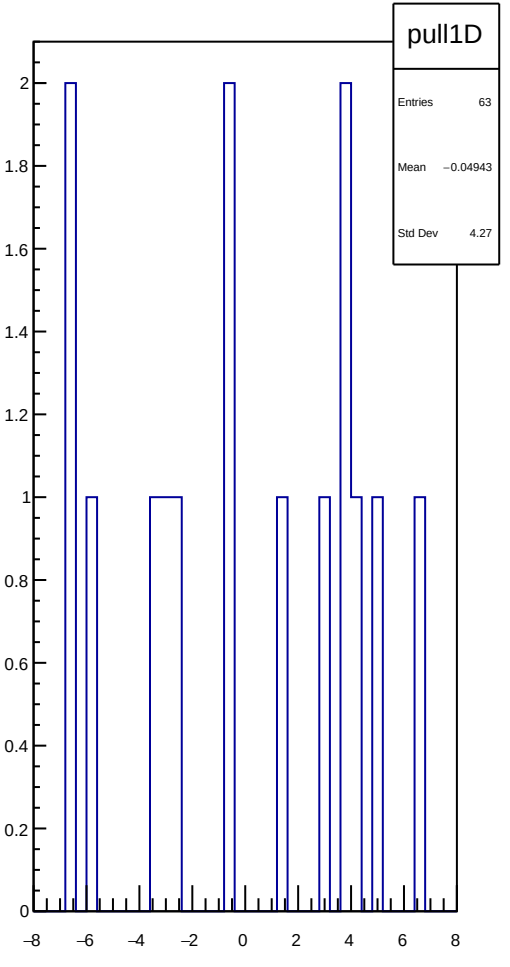

yield_bpm0r03WS_rms vs run
χ² / ndf 2241 / 62
p0 473.2 ± 0.4304
560
540
520
500
480
460
440

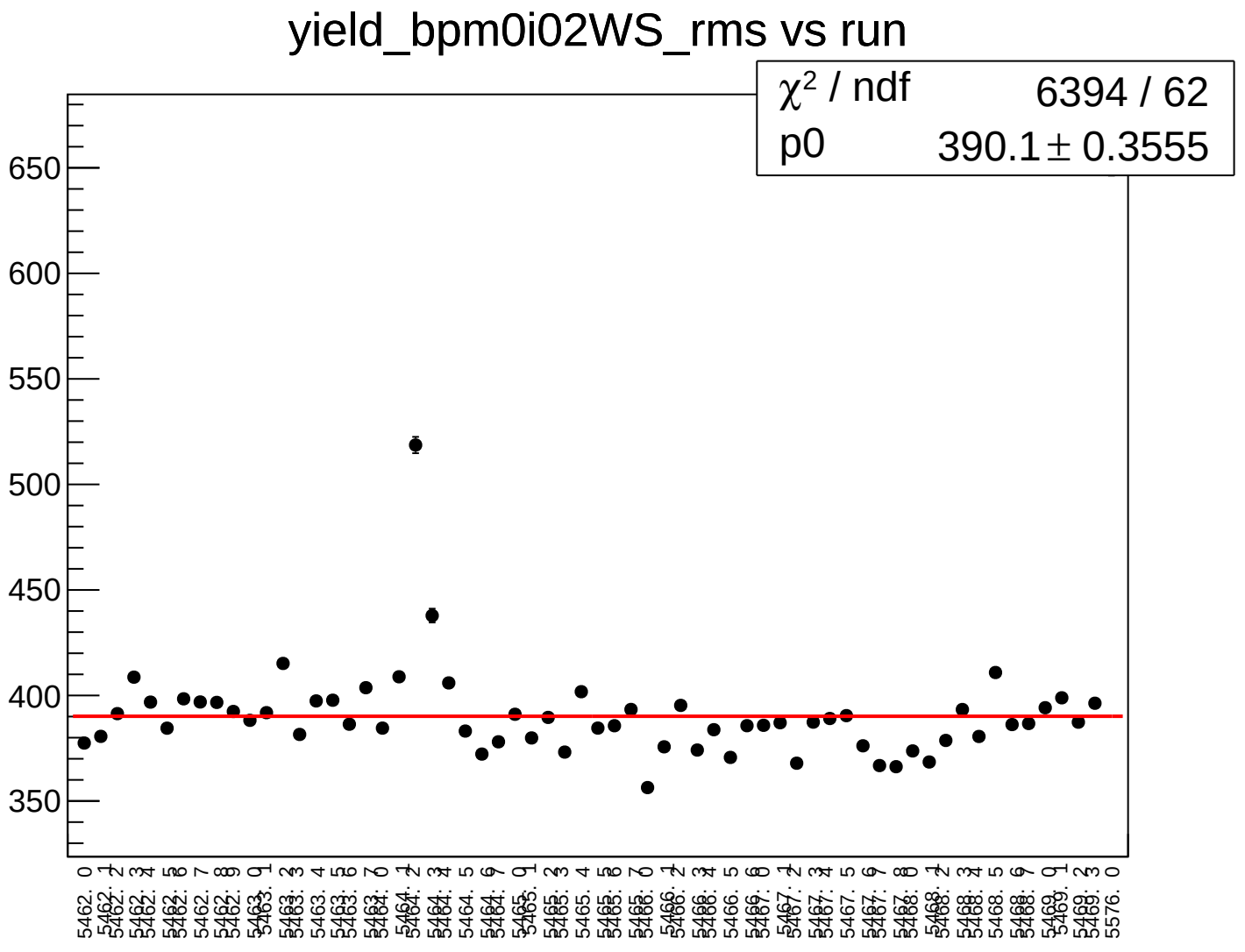

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 3.888e+05 / 62
p0 1.356e+05 ± 0.4828
138
137.5
137
136.5
136
135.5
135
pull
Entries 63
Mean −223.3
Std Dev 0
400
300
200
100
0
−100

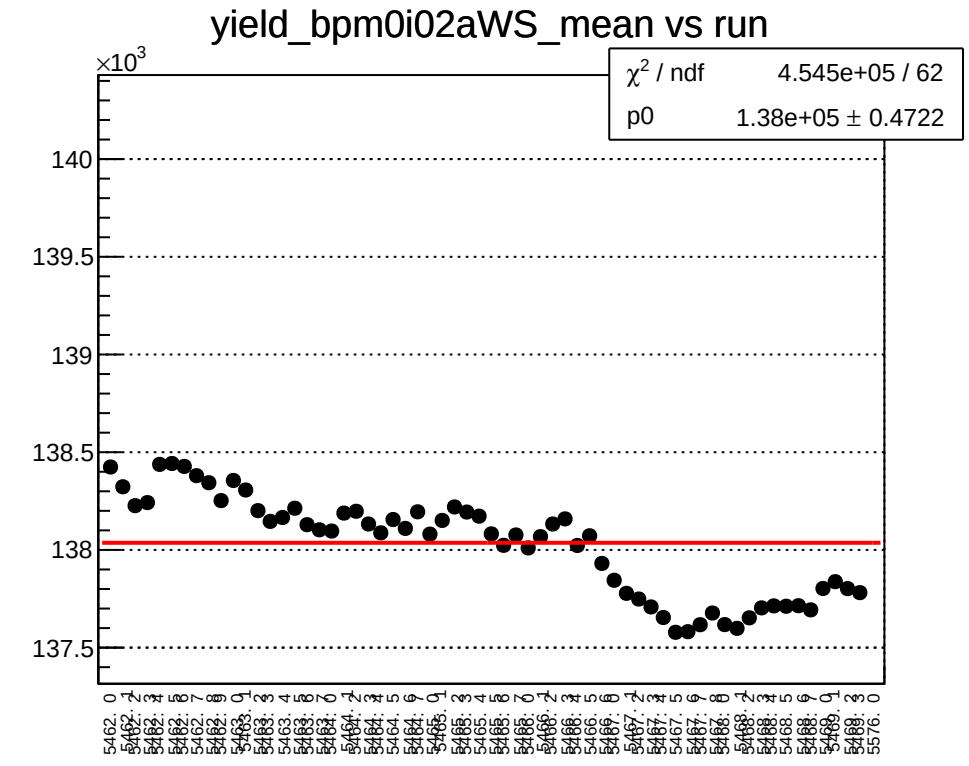

pull1D
Entries 63
Mean −2.172
Std Dev 4.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

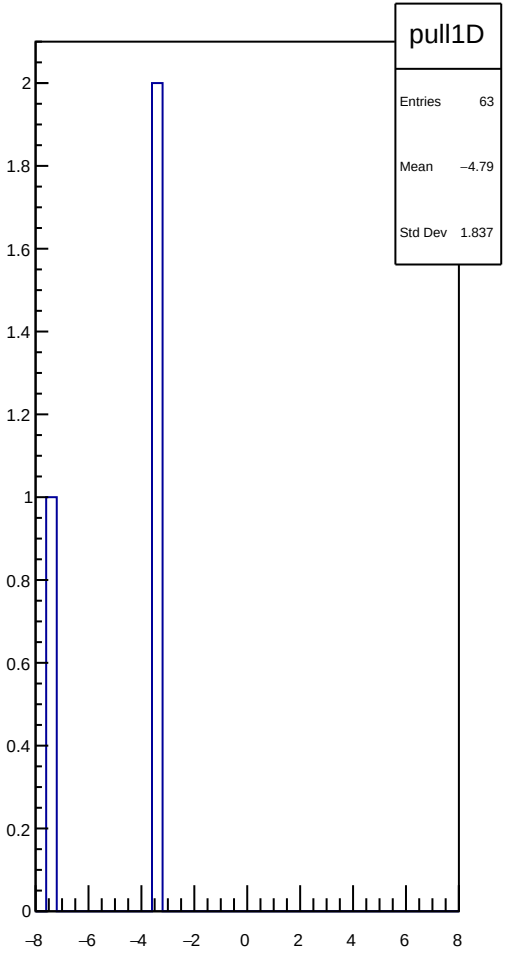

yield_bpm0r05WS_rms vs run
χ^2 / ndf 5163 / 62
p0 374.9 ± 0.3414
600
550
500
450
400
350

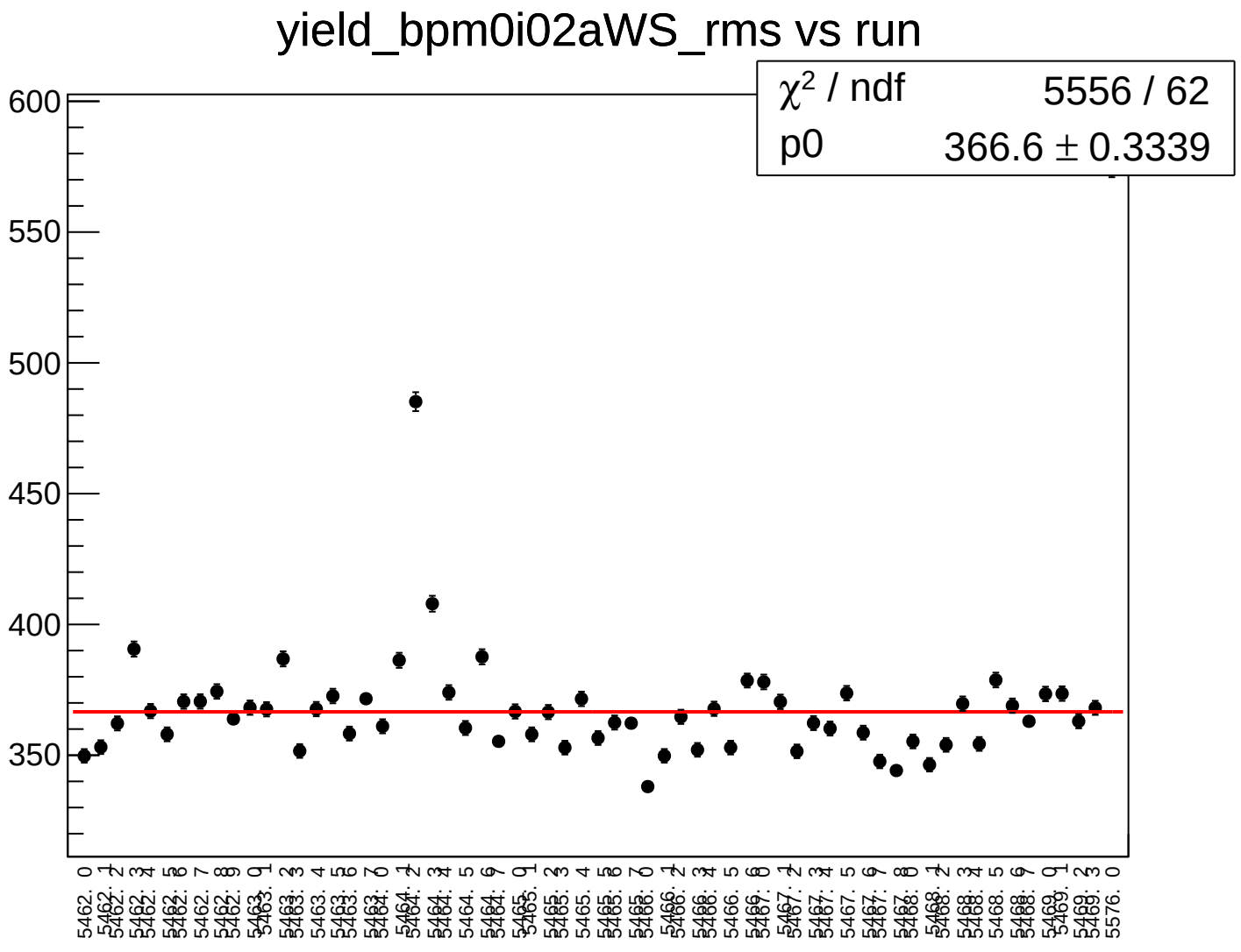

yield_bpm0i02WS_mean vs run
×10^3
χ^2 / ndf 1.151e+05 / 62
p0 1.399e+05 ± 0.5027
140.2
140
139.8
139.6
139.4
139.2
139
138.8
138.6
138.4
pull
Entries 63
Mean 386.8
Std Dev 0
50
0
−50
−100
−150
−200
−250

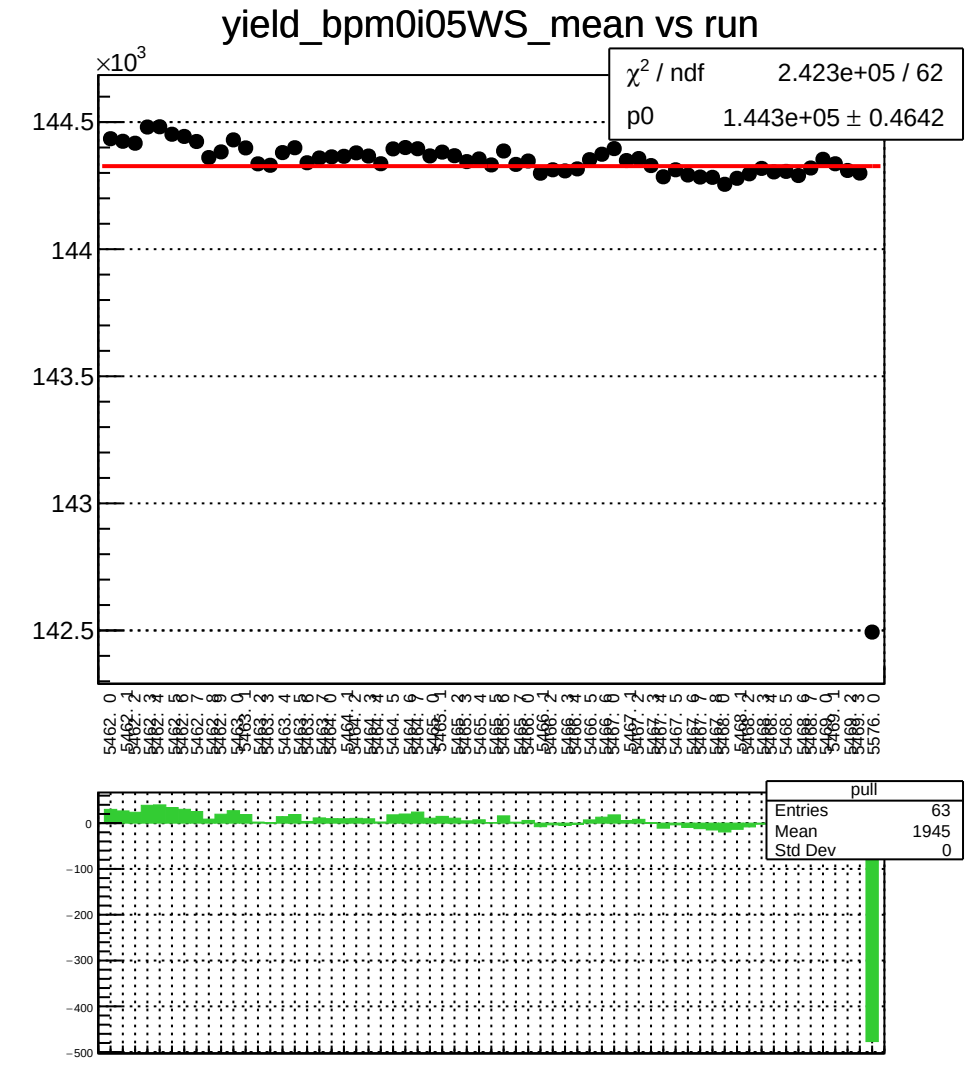

pull1D
Entries 63
Mean −0.04943
Std Dev 4.27
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

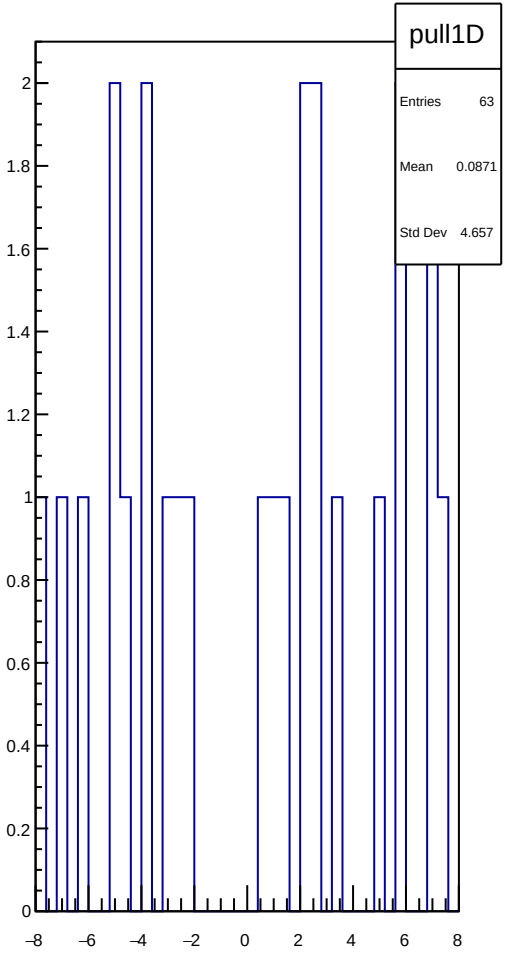

yield_bpm0i02WS_rms vs run
χ² / ndf 6394 / 62
p0 390.1 ± 0.3555
650
600
550
500
450
400
350

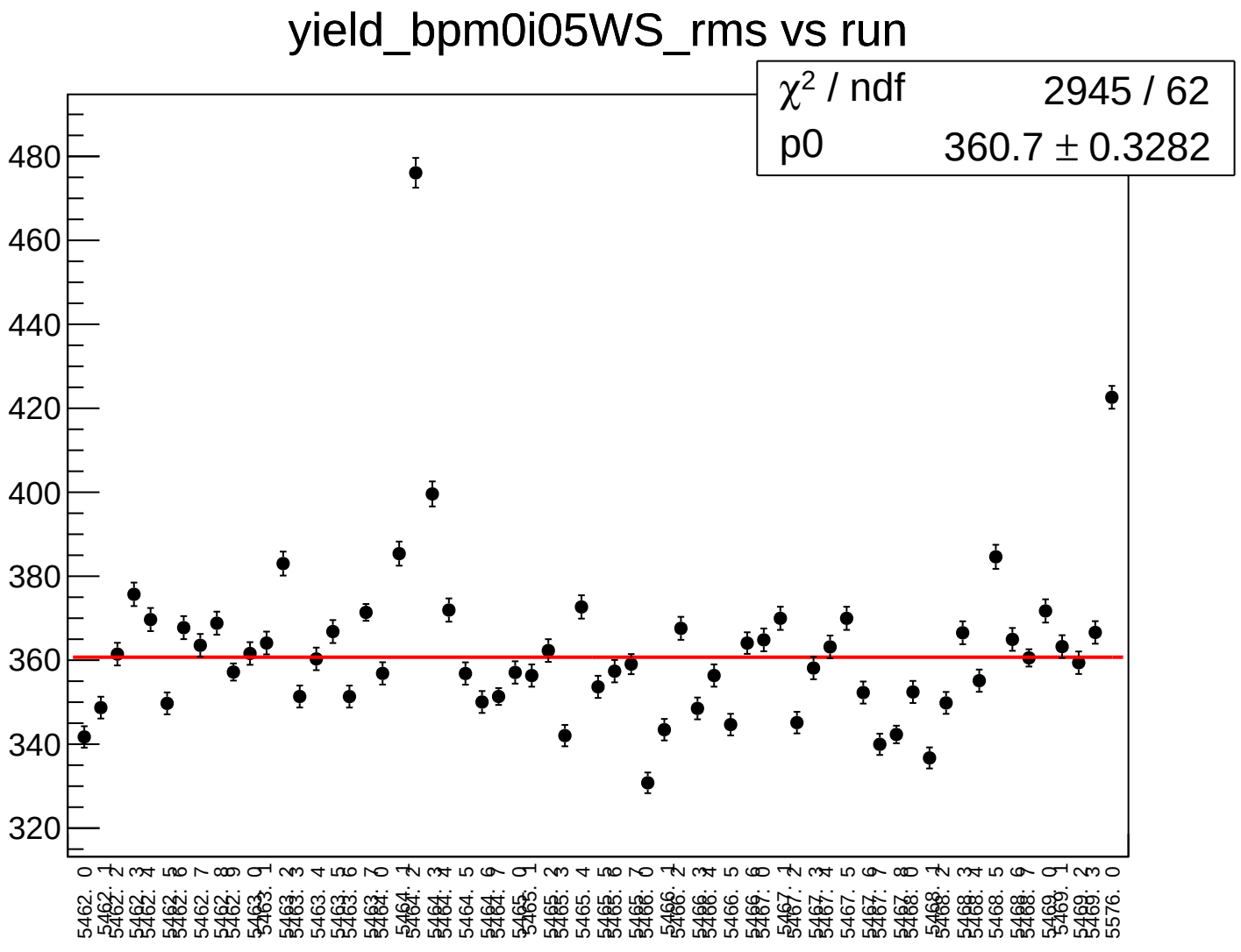

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 4.545e+05 / 62
p0 1.38e+05 ± 0.4722
140
139.5
139
138.5
138
137.5
pull
Entries 63
Mean −317
Std Dev 0
400
300
200
100
0
−100

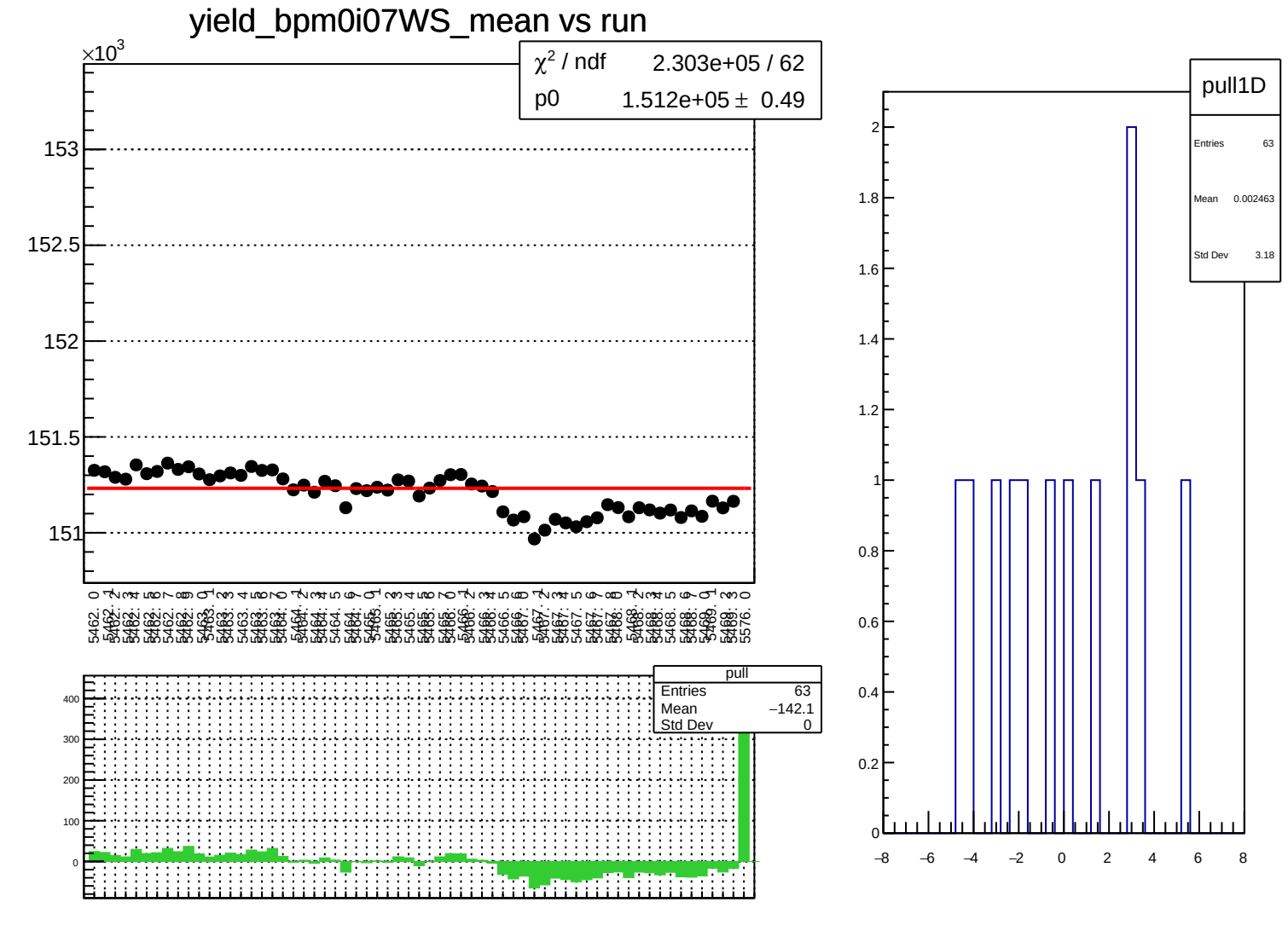

pull1D
Entries 63
Mean −4.79
Std Dev 1.837
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

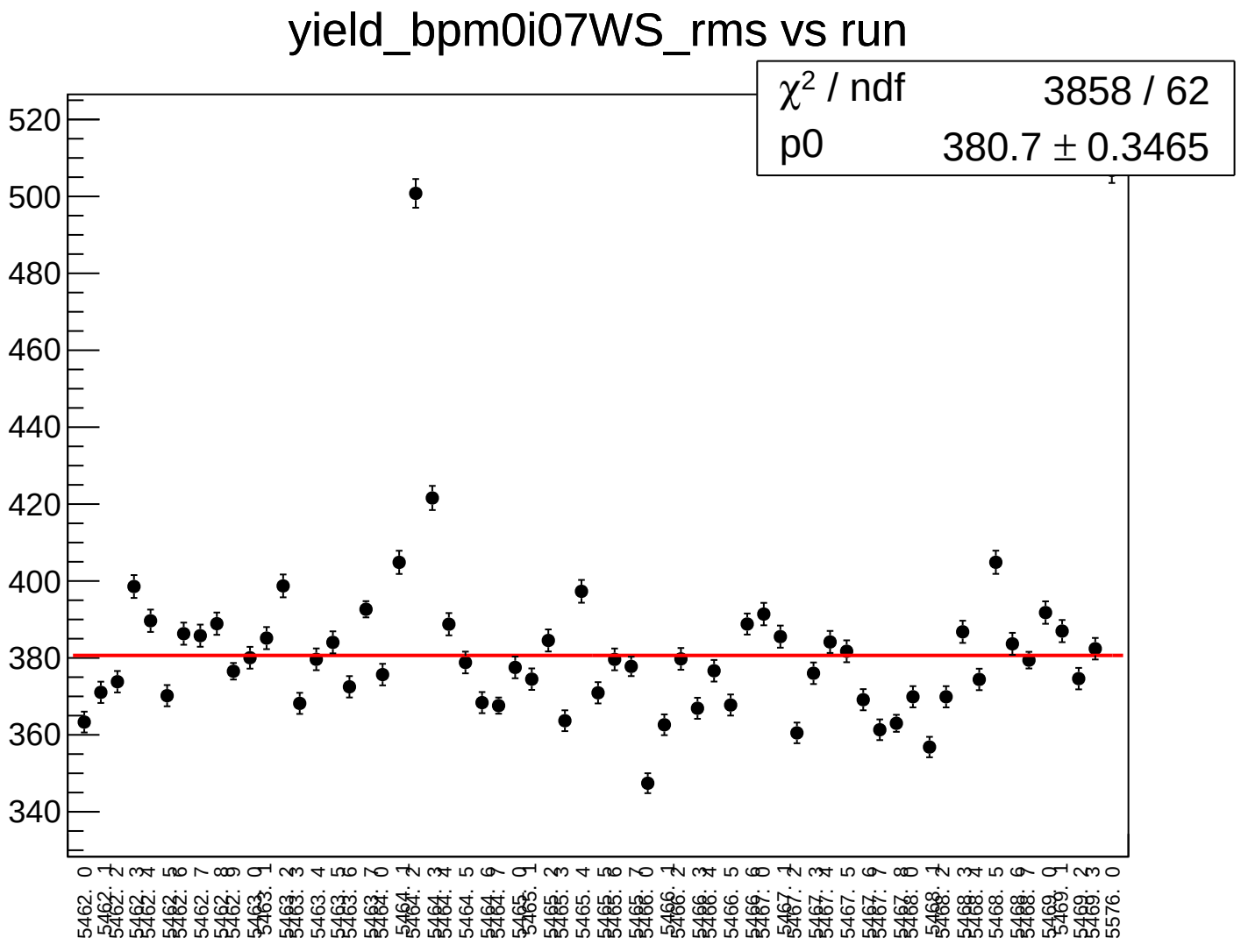

yield_bpm0i02aWS_rms vs run
χ² / ndf 5556 / 62
p0 366.6 ± 0.3339
600
550
500
450
400
350

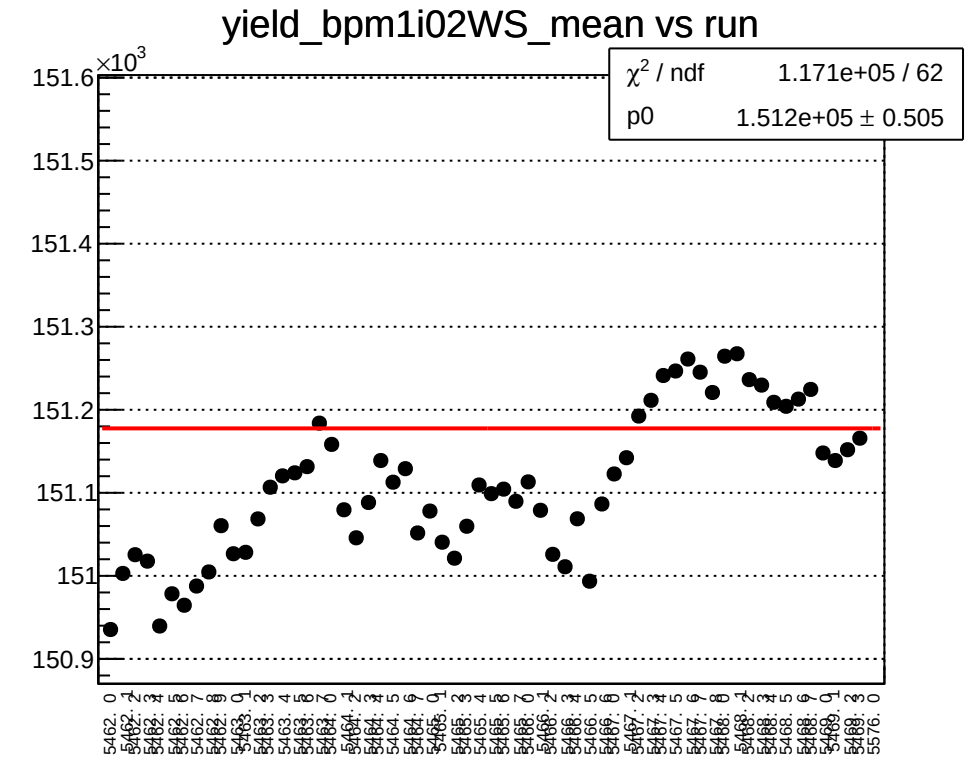

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 2.423e+05 / 62
p0 1.443e+05 ± 0.4642
144.5
144
143.5
143
142.5
pull
Entries 63
Mean 1945
Std Dev 0
0
−100
−200
−300
−400
−500

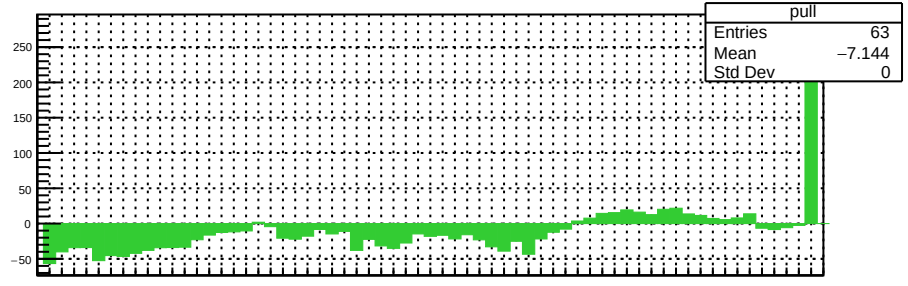

pull1D
Entries 63
Mean 0.0871
Std Dev 4.657
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

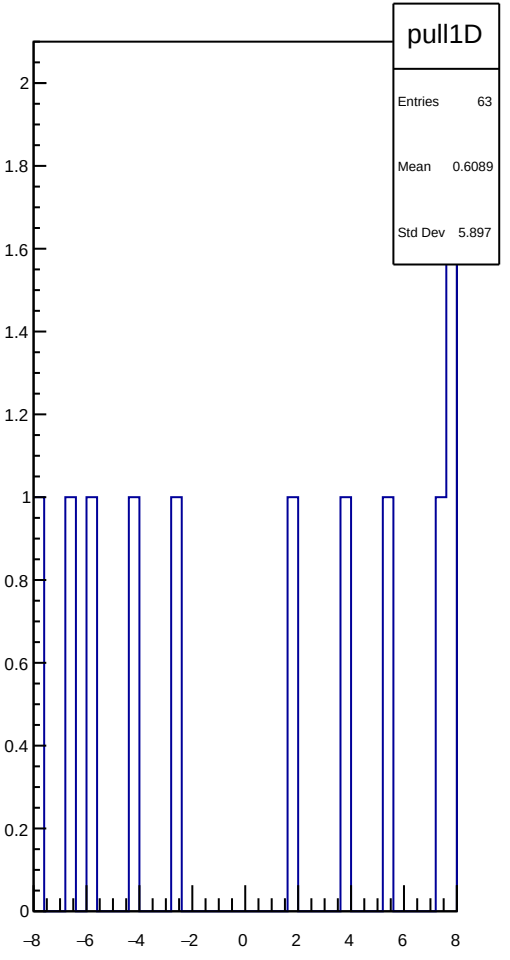

yield_bpm0i05WS_rms vs run
χ² / ndf 2945 / 62
p0 360.7 ± 0.3282
480
460
440
420
400
380
360
340
320

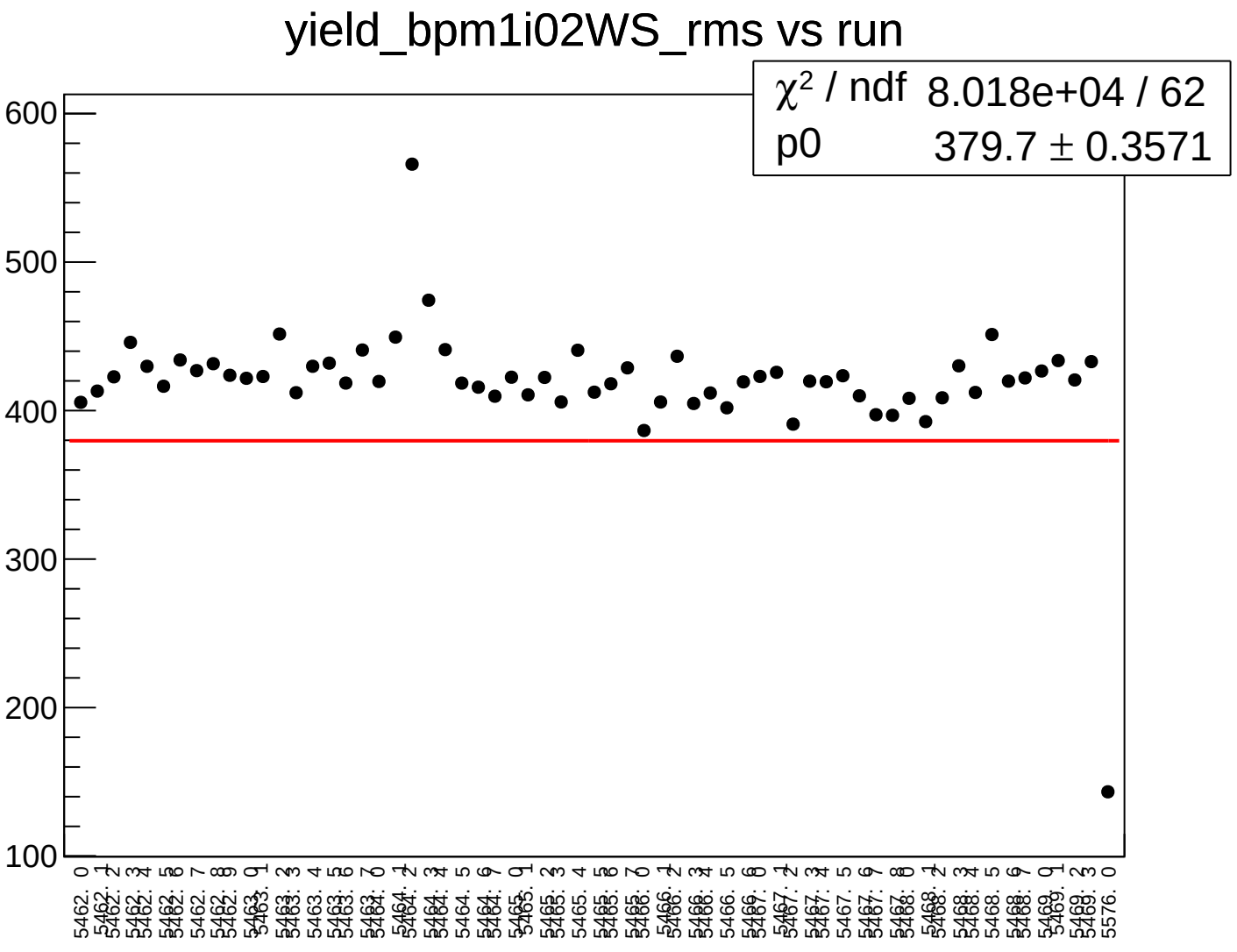

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.303e+05 / 62
p0 1.512e+05 ± 0.49
153
152.5
152
151.5
151
pull
Entries 63
Mean −142.1
Std Dev 0
400
300
200
100
0
pull1D
Entries 63
Mean 0.002463
Std Dev 3.18
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

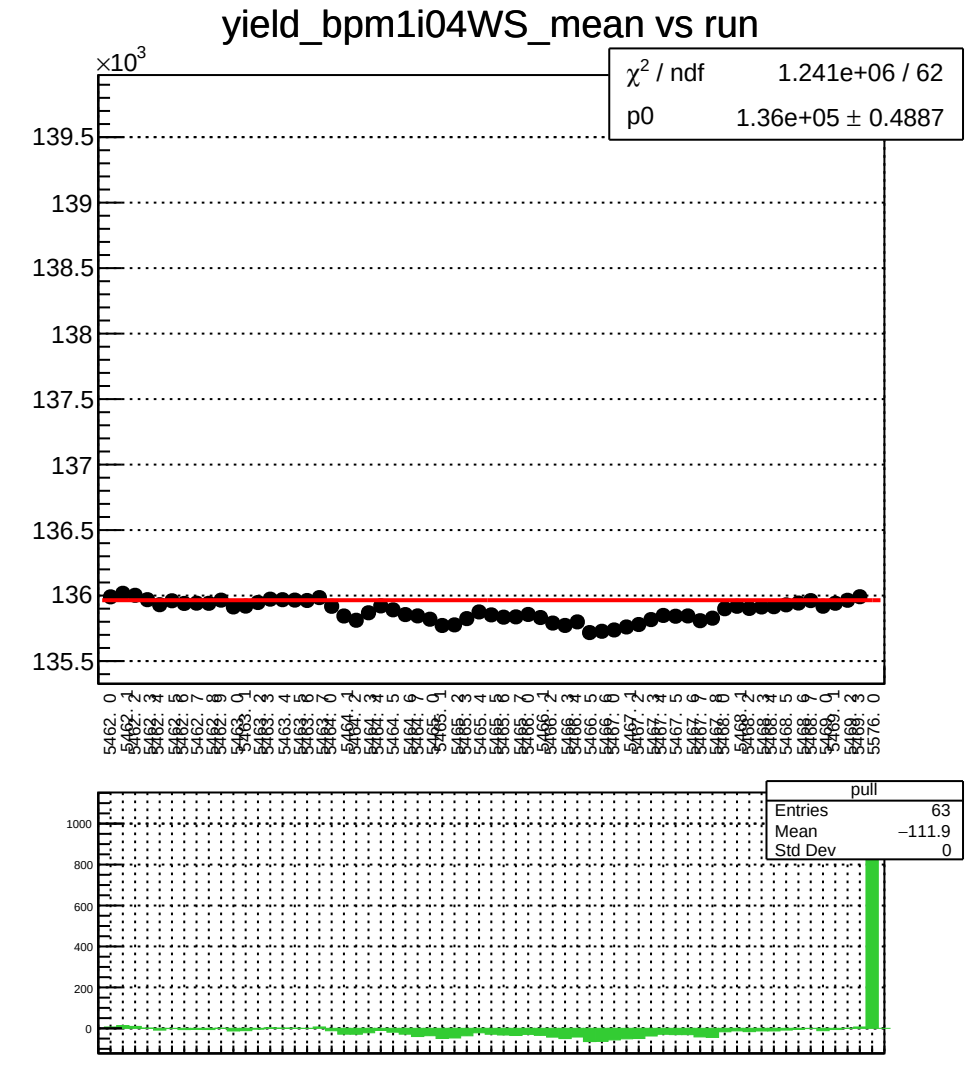

yield_bpm0i07WS_rms vs run
χ² / ndf 3858 / 62
p0 380.7 ± 0.3465
520
500
480
460
440
420
400
380
360
340

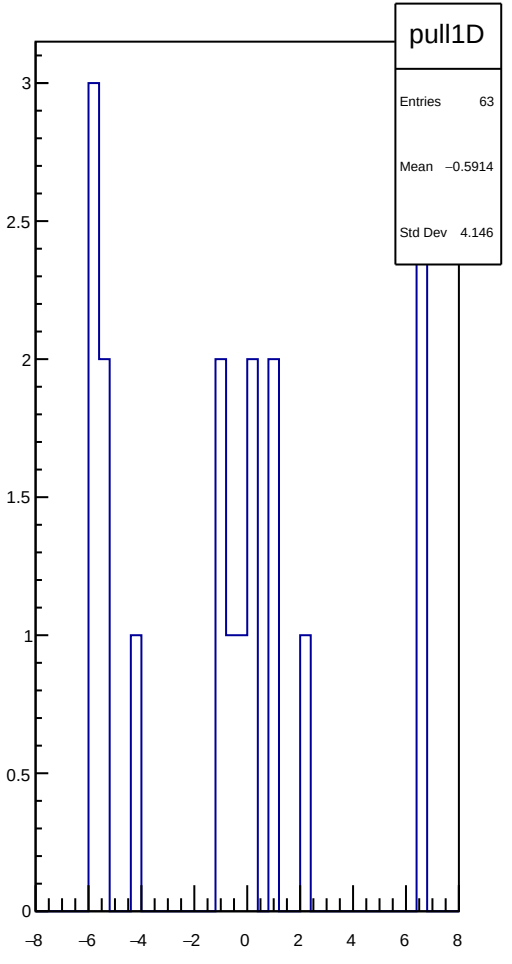

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.171e+05 / 62
p0 1.512e+05 ± 0.505
151.6
151.5
151.4
151.3
151.2
151.1
151
150.9

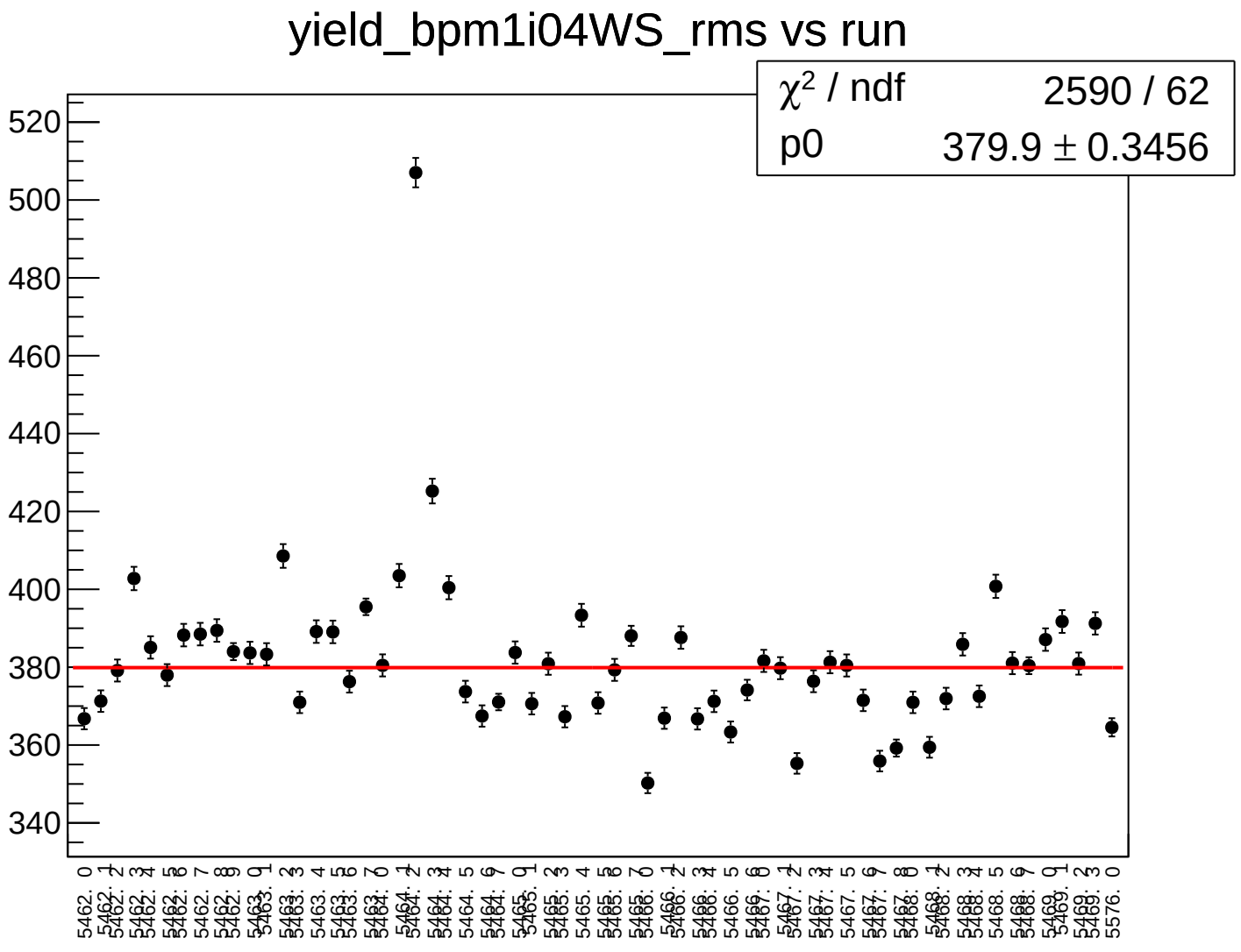

pull
Entries 63
Mean −7.144
Std Dev 0
250
200
150
100
50
0
−50

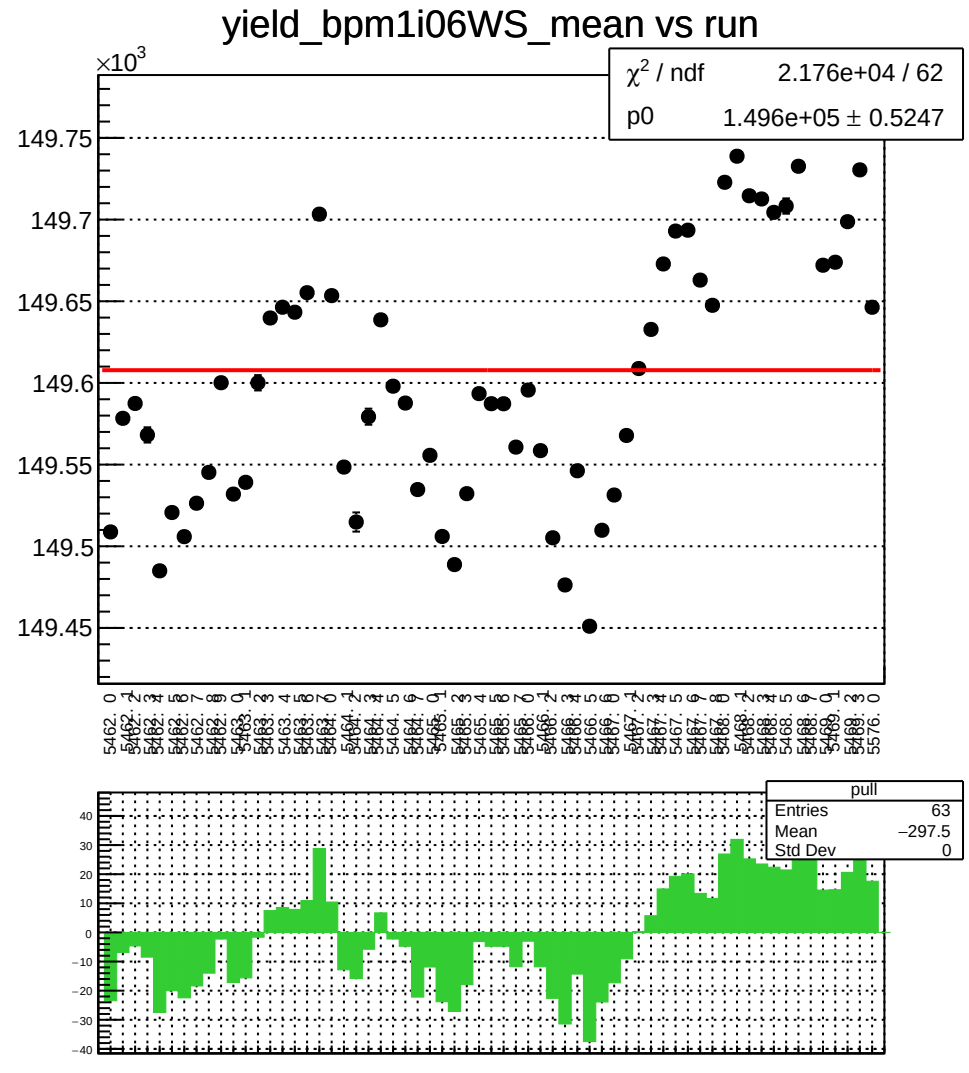

pull1D
Entries 63
Mean 0.6089
Std Dev 5.897
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

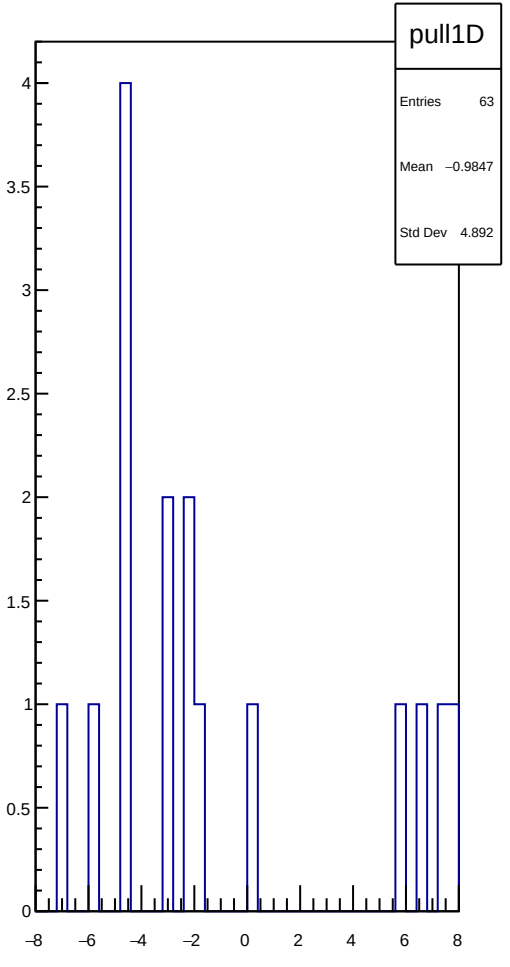

yield_bpm1i02WS_rms vs run
χ² / ndf 8.018e+04 / 62
p0 379.7 ± 0.3571
600
500
400
300
200
100

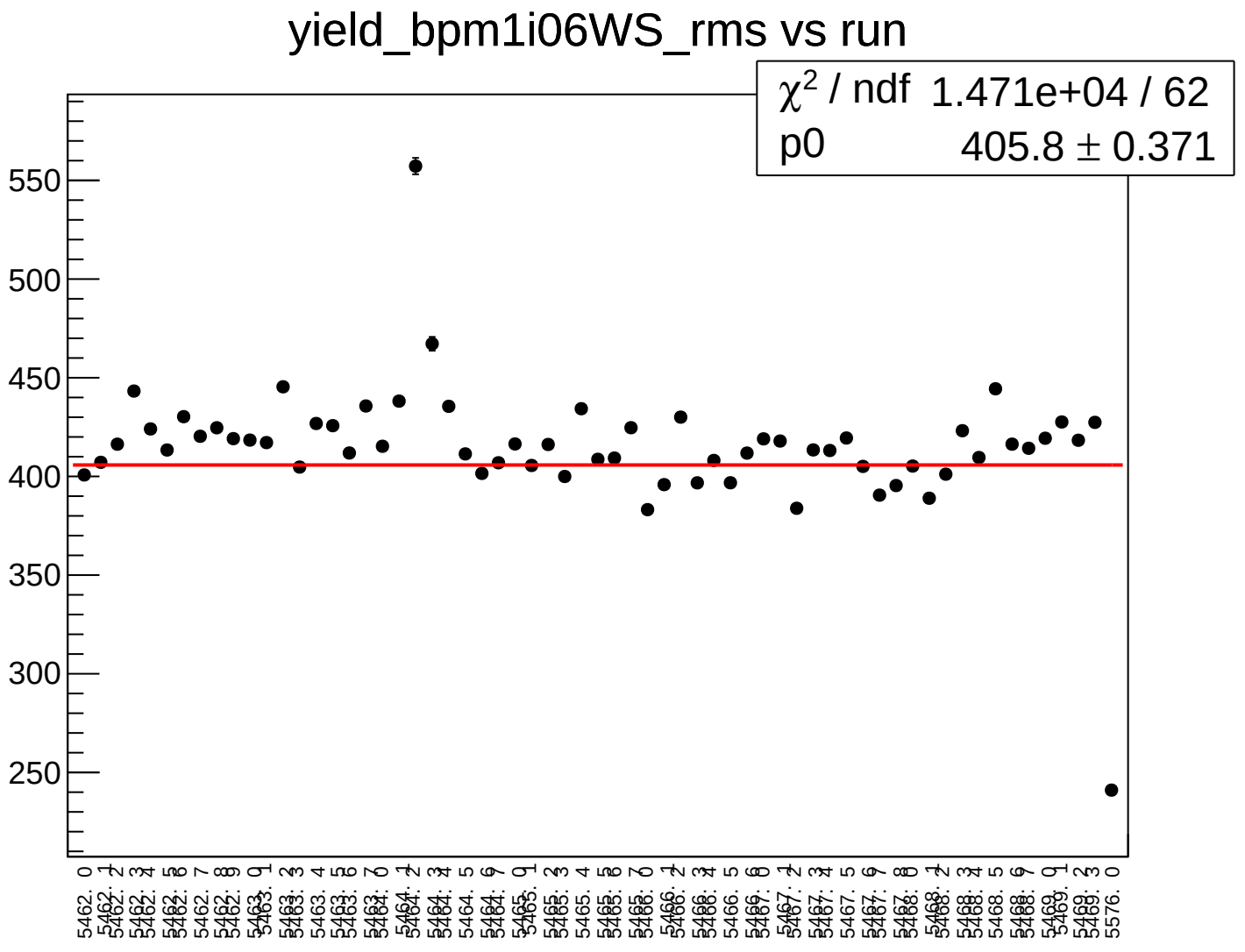

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.241e+06 / 62
p0 1.36e+05 ± 0.4887
139.5
139
138.5
138
137.5
137
136.5
136
135.5
pull
Entries 63
Mean −111.9
Std Dev 0
1000
800
600
400
200
0

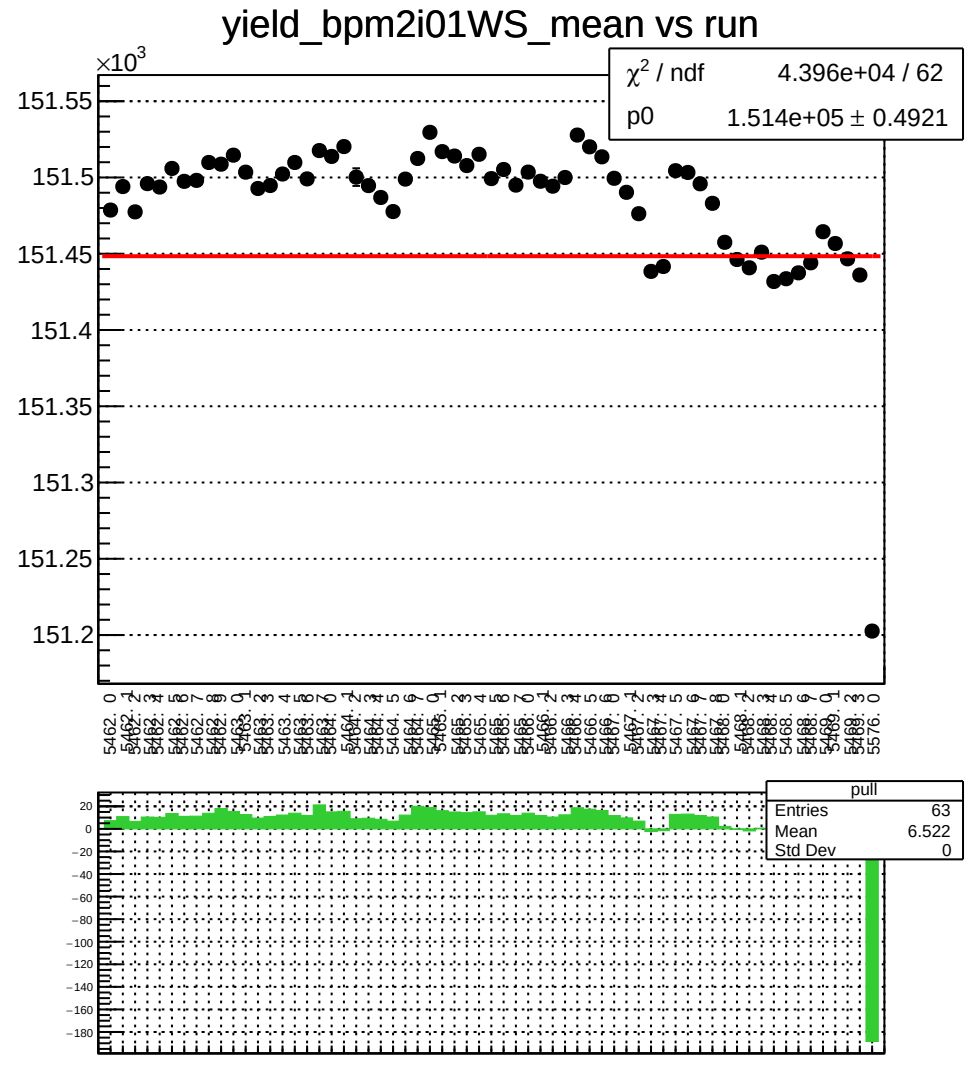

pull1D
Entries 63
Mean −0.5914
Std Dev 4.146
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

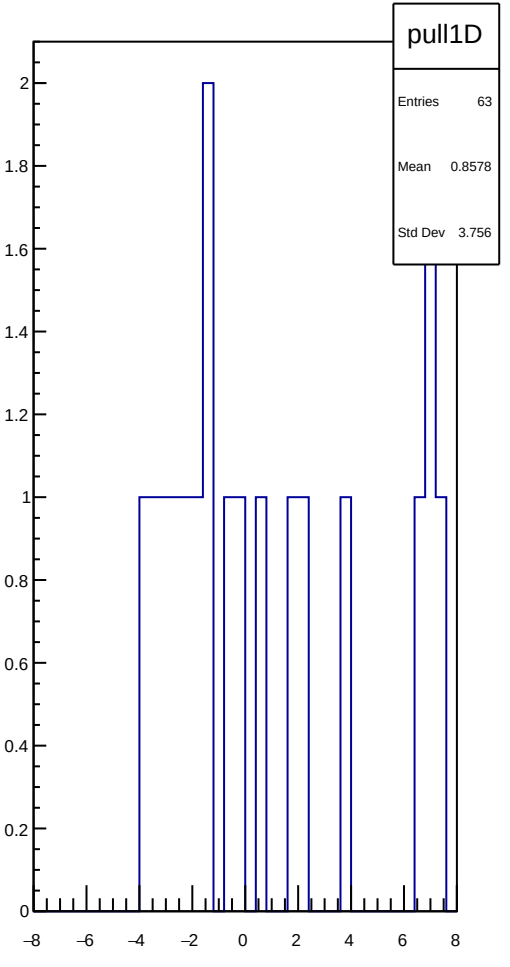

yield_bpm1i04WS_rms vs run
χ² / ndf 2590 / 62
p0 379.9 ± 0.3456
520
500
480
460
440
420
400
380
360
340

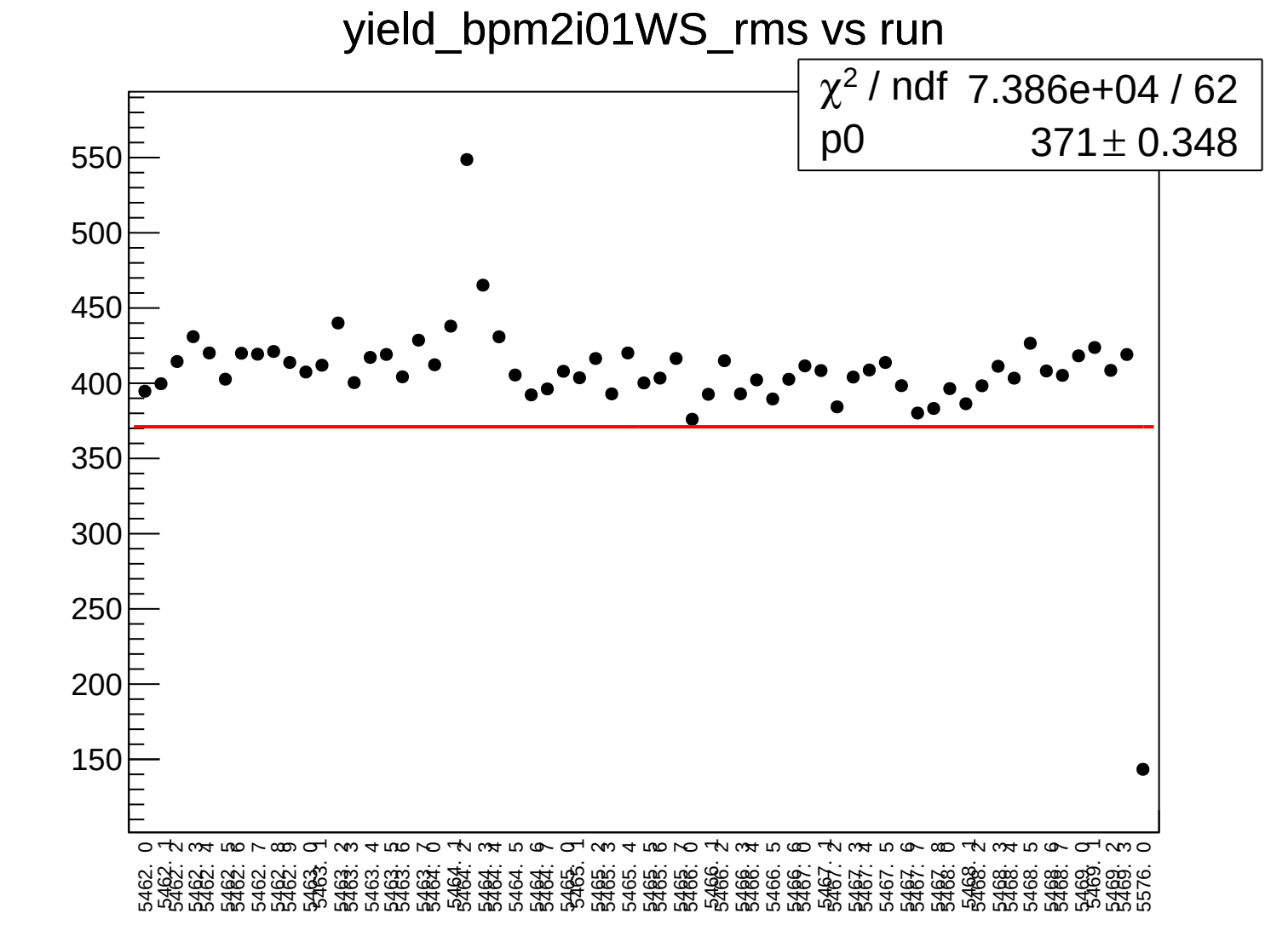

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.176e+04 / 62
p0 1.496e+05 ± 0.5247
149.75
149.7
149.65
149.6
149.55
149.5
149.45
pull
Entries 63
Mean −297.5
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40

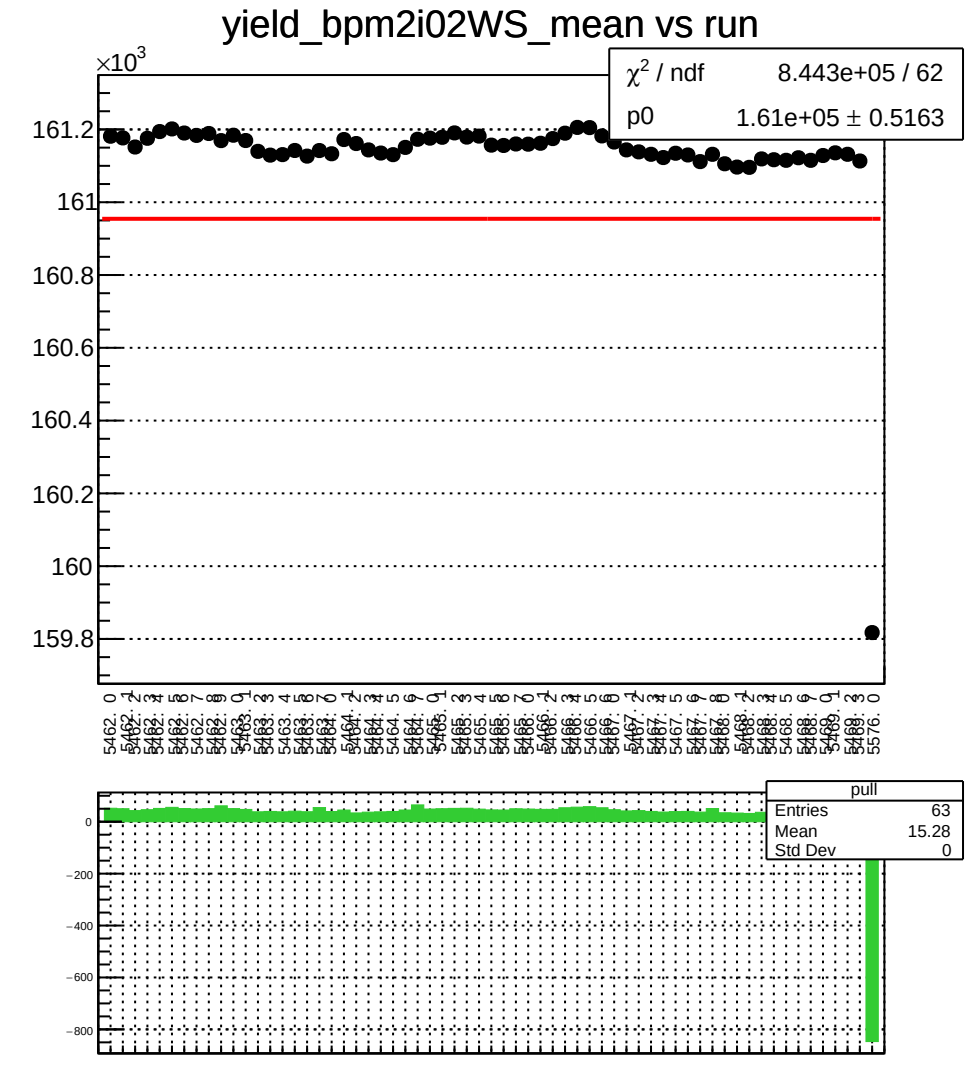

pull1D
Entries 63
Mean −0.9847
Std Dev 4.892
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

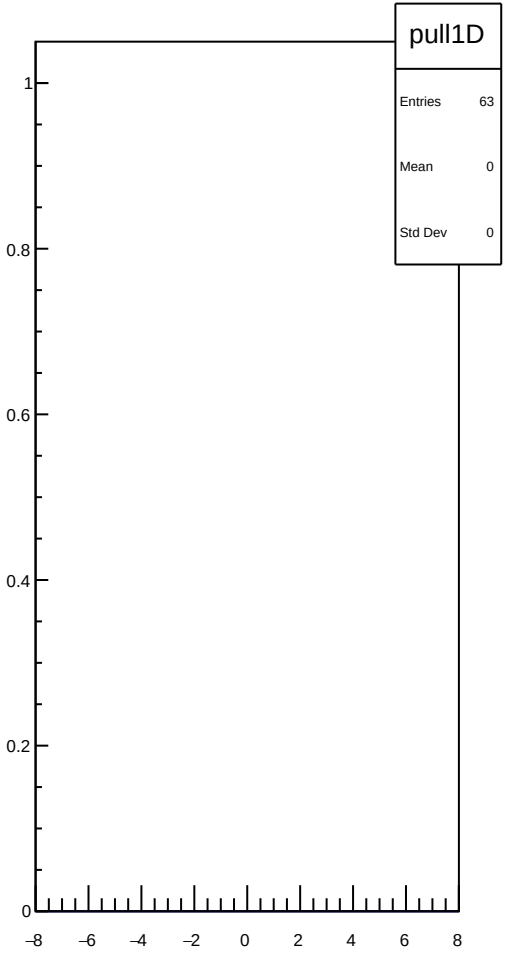

yield_bpm1i06WS_rms vs run
χ² / ndf 1.471e+04 / 62
p0 405.8 ± 0.371
550
500
450
400
350
300
250

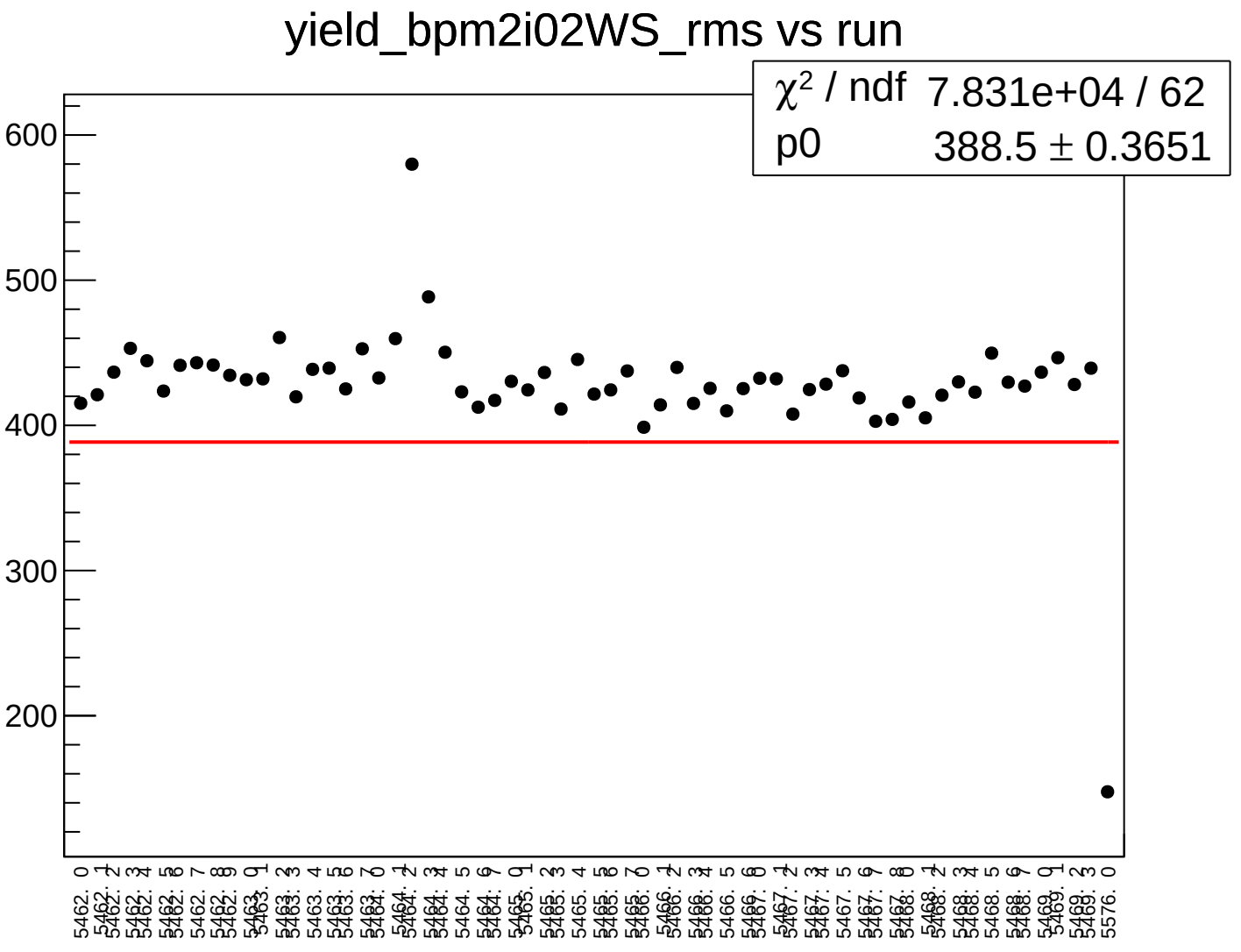

yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 4.396e+04 / 62
p0 1.514e+05 ± 0.4921
151.55
151.5
151.45
151.4
151.35
151.3
151.25
151.2
pull
Entries 63
Mean 6.522
Std Dev 0
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180

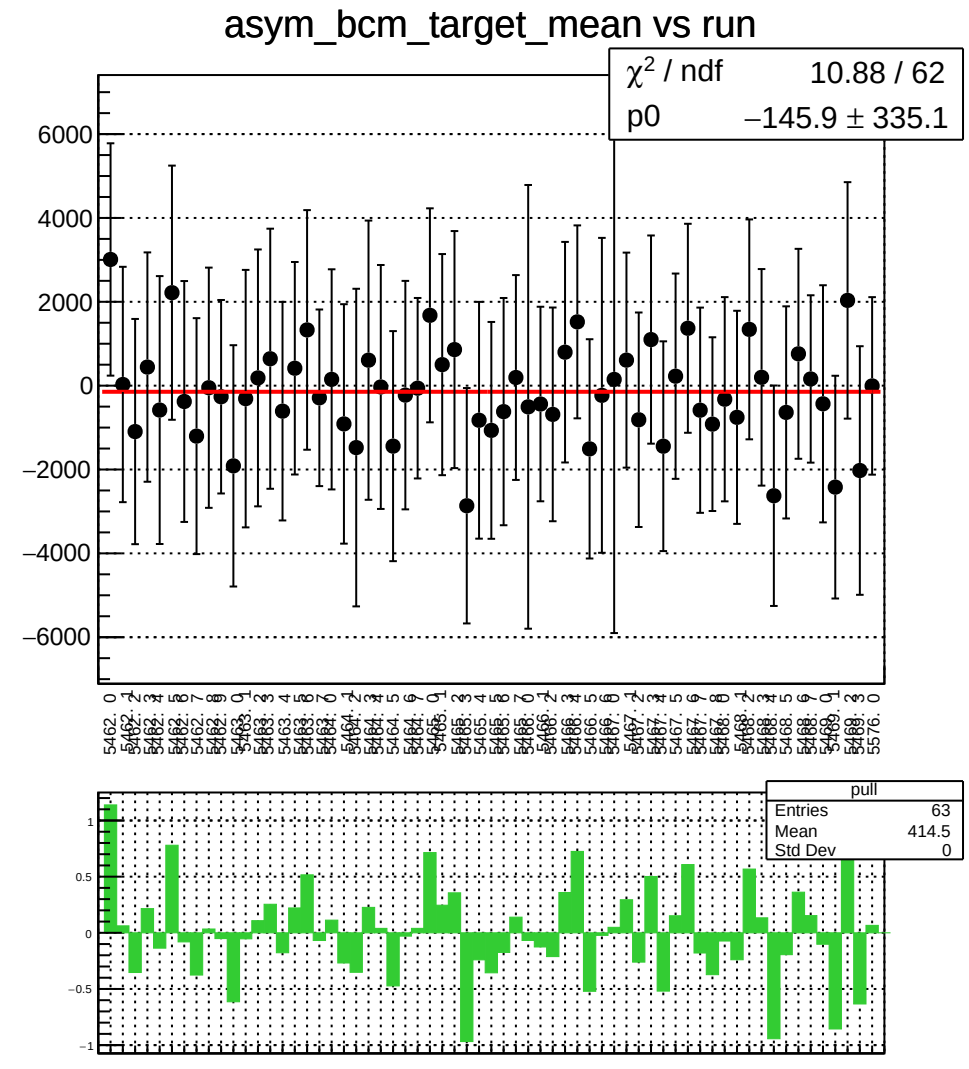

pull1D
Entries 63
Mean 0.8578
Std Dev 3.756
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

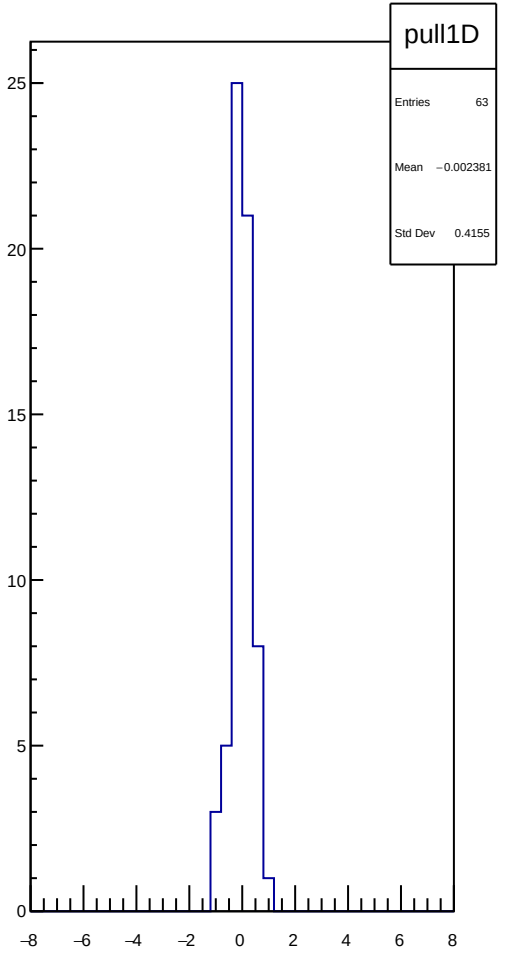

yield_bpm2i01WS_rms vs run
χ^2 / ndf 7.386e+04 / 62
p0 371 ± 0.348
550
500
450
400
350
300
250
200
150

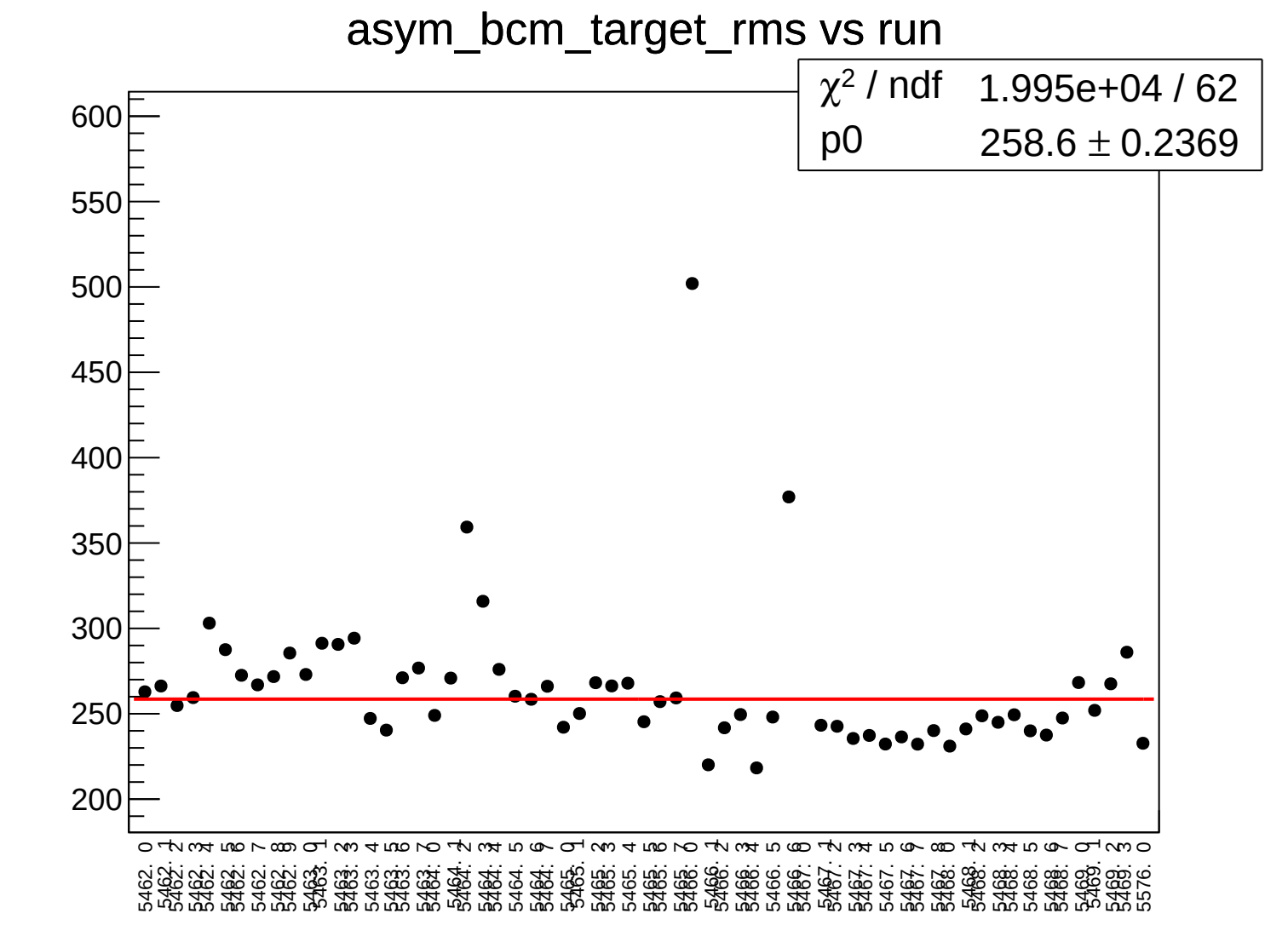

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 8.443e+05 / 62
p0 1.61e+05 ± 0.5163
161.2
161
160.8
160.6
160.4
160.2
160
159.8
pull
Entries 63
Mean 15.28
Std Dev 0
0
−200
−400
−600
−800

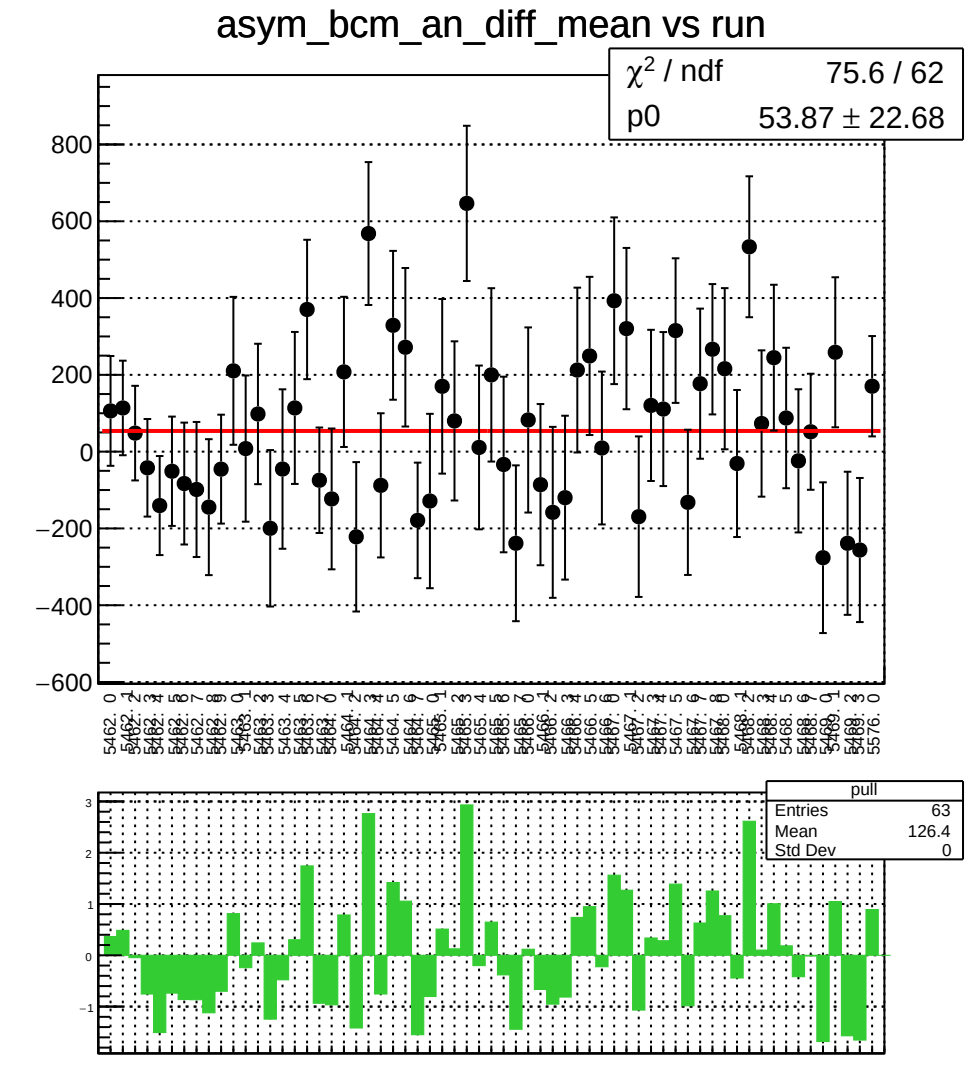

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

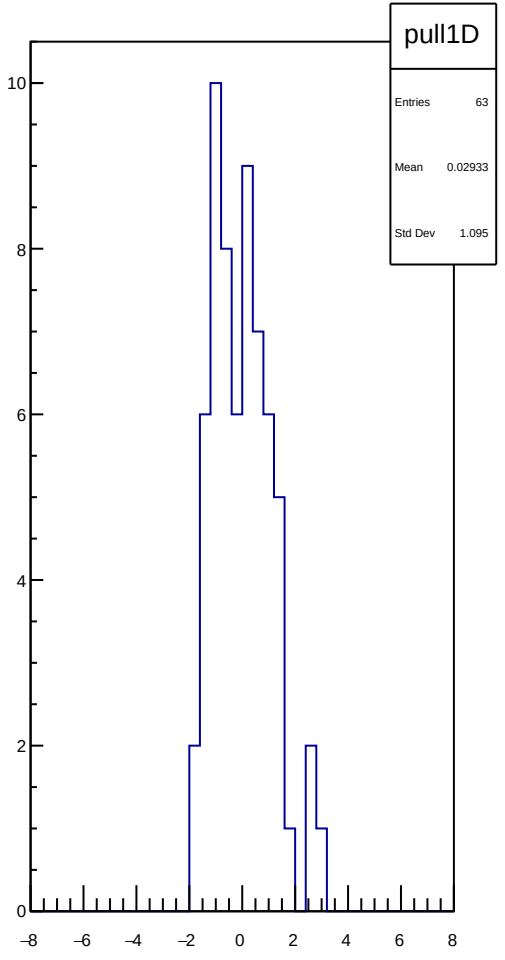

yield_bpm2i02WS_rms vs run
χ² / ndf 7.831e+04 / 62
p0 388.5 ± 0.3651
600
500
400
300
200


asym_bcm_target_mean vs run
χ² / ndf 10.88 / 62
p0 −145.9 ± 335.1
pull
Entries 63
Mean 414.5
Std Dev 0

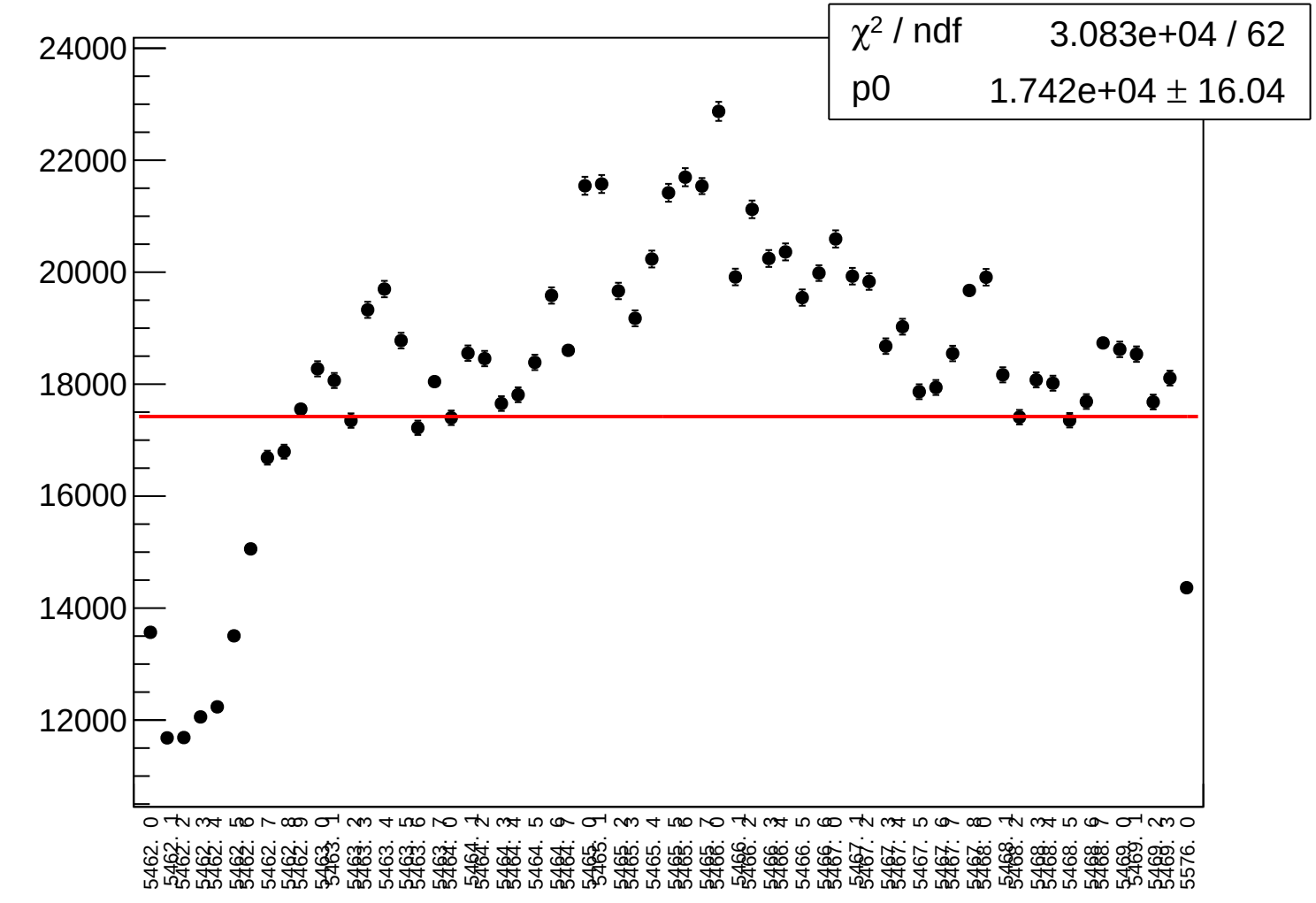

pull1D
Entries 63
Mean −0.002381
Std Dev 0.4155

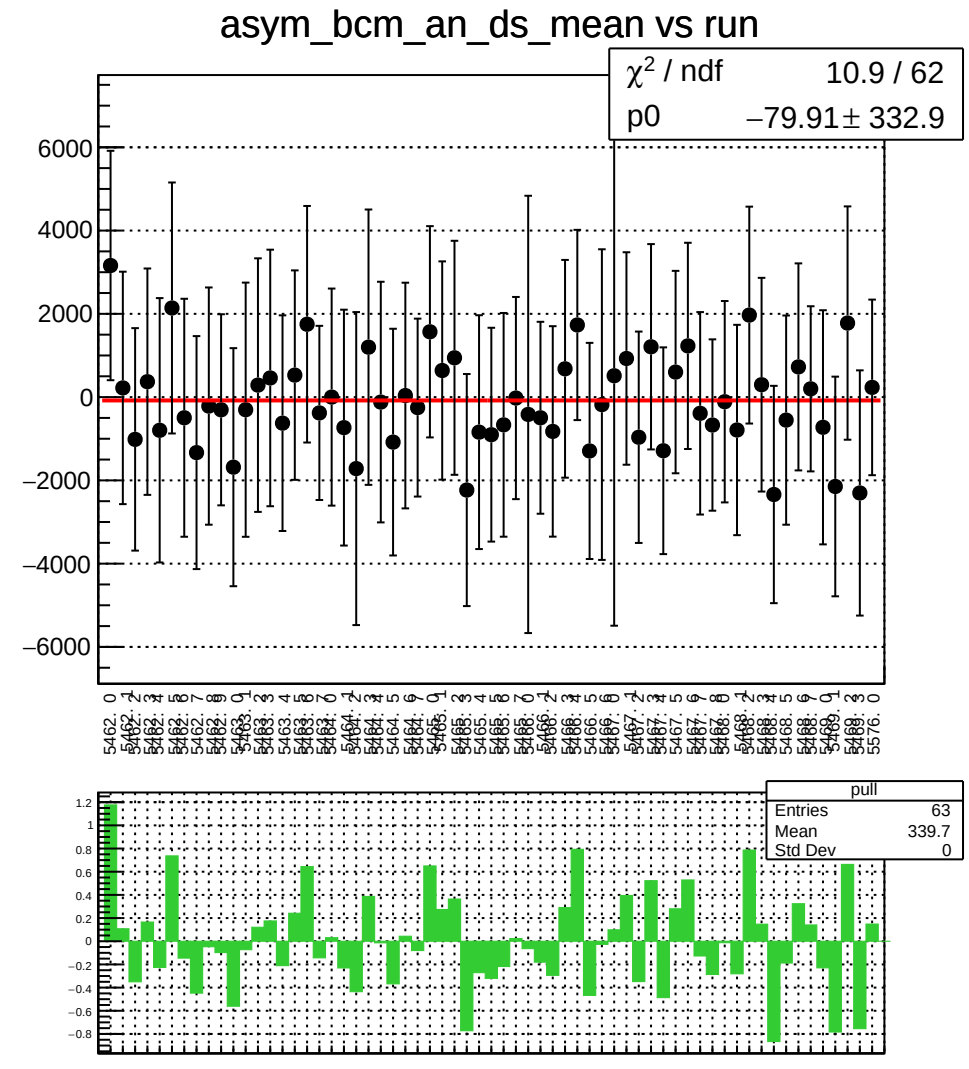

asym_bcm_target_rms vs run
χ² / ndf 1.995e+04 / 62
p0 258.6 ± 0.2369
600
550
500
450
400
350
300
250
200

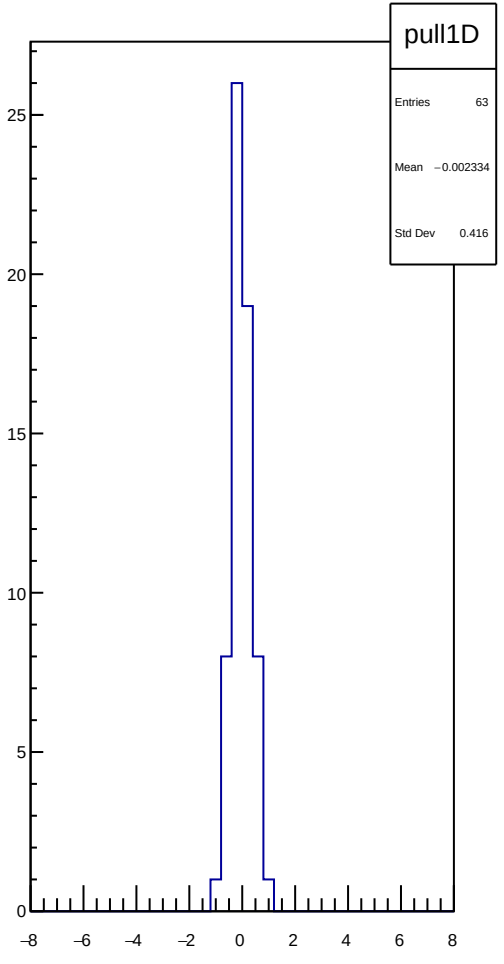

asym_bcm_an_diff_mean vs run
χ² / ndf 75.6 / 62
p0 53.87 ± 22.68
pull
Entries 63
Mean 126.4
Std Dev 0

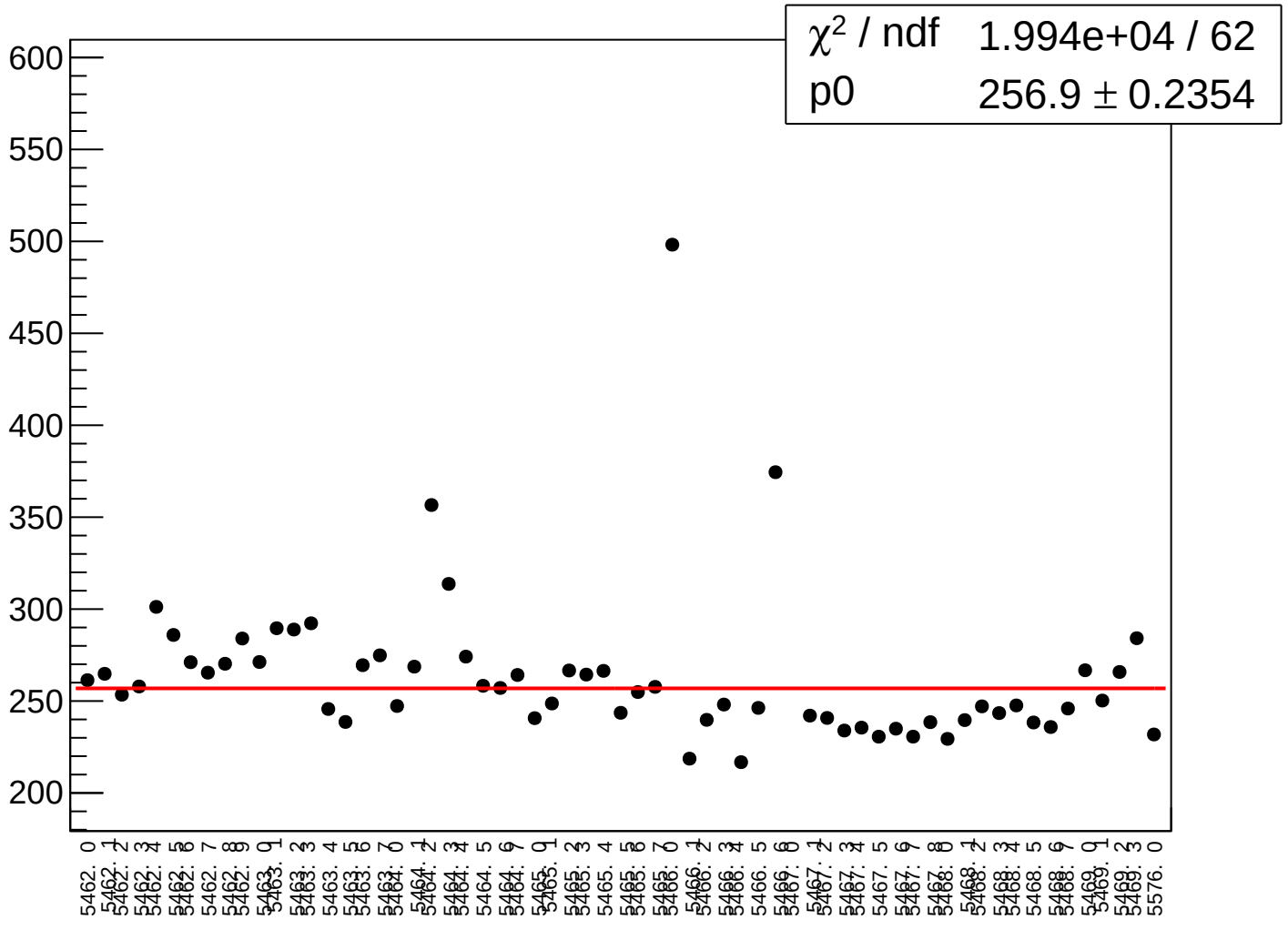

pull1D
Entries 63
Mean 0.02933
Std Dev 1.095

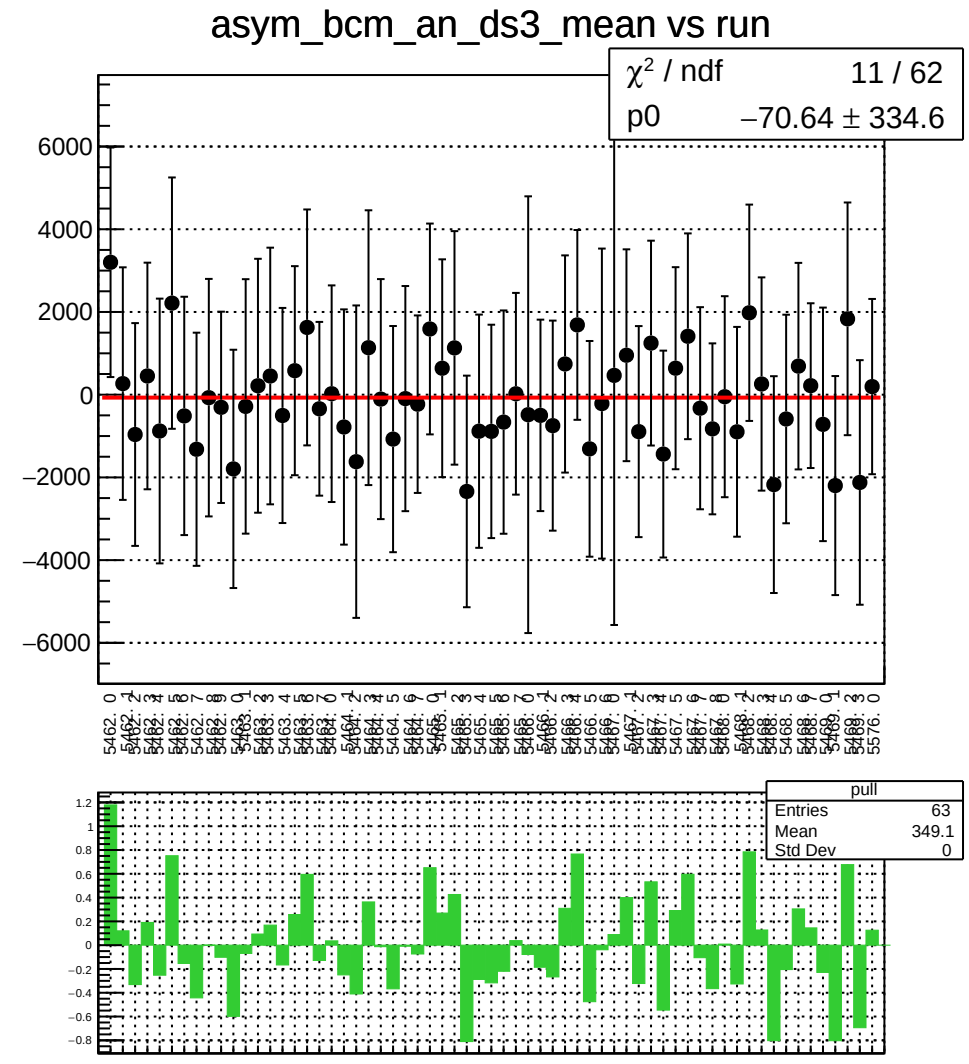
asym_bcm_an_diff_rms vs run

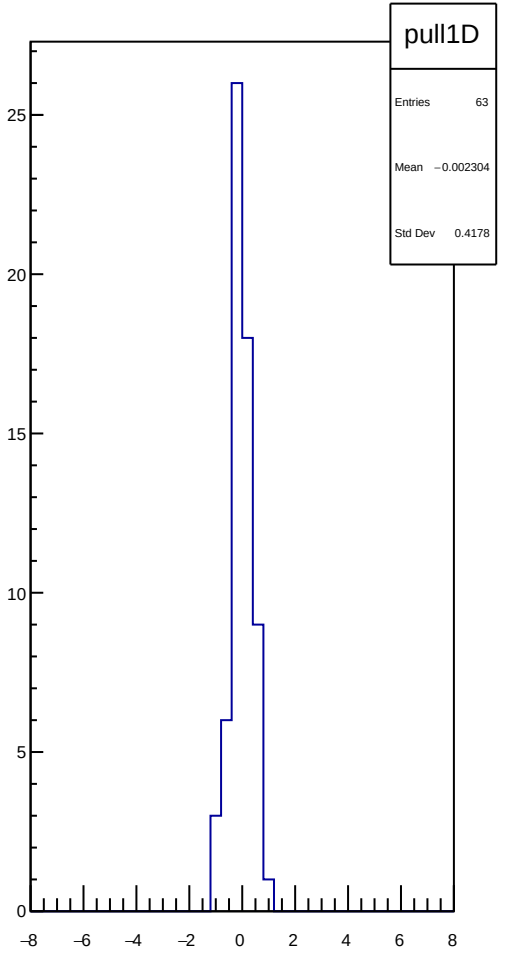


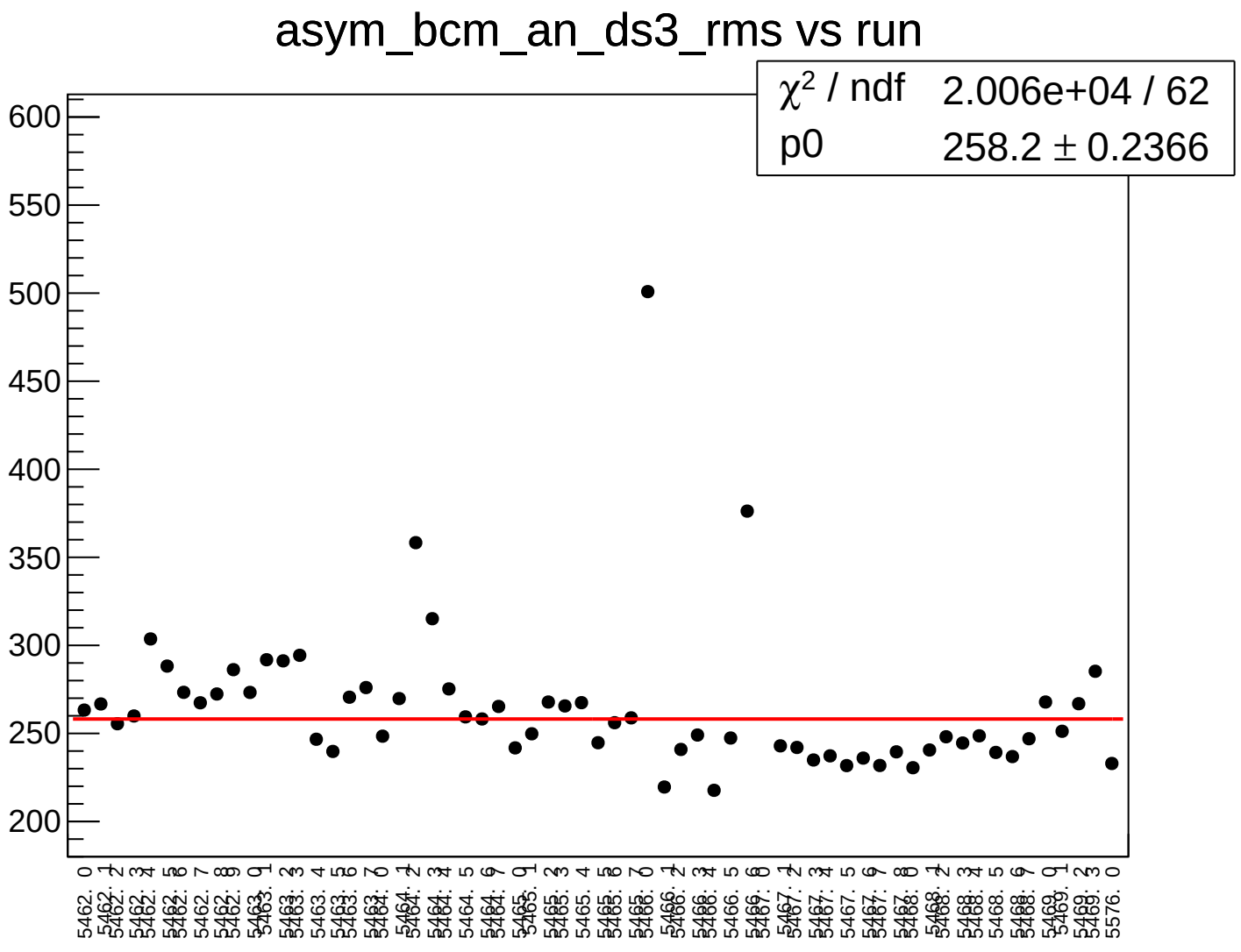

asym_bcm_an_ds_mean vs run
χ² / ndf 10.9 / 62
p0 −79.91 ± 332.9
pull
Entries 63
Mean 339.7
Std Dev 0

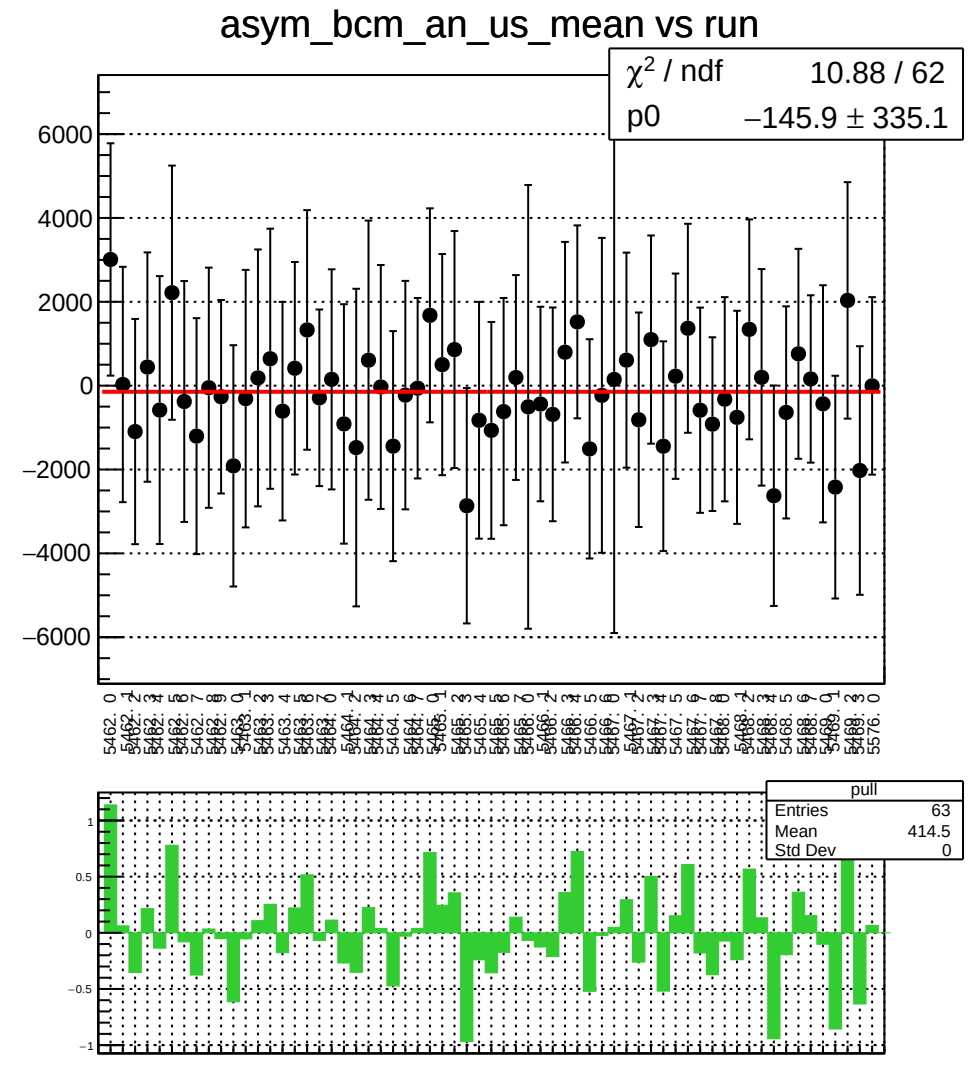

pull1D
Entries 63
Mean −0.002334
Std Dev 0.416

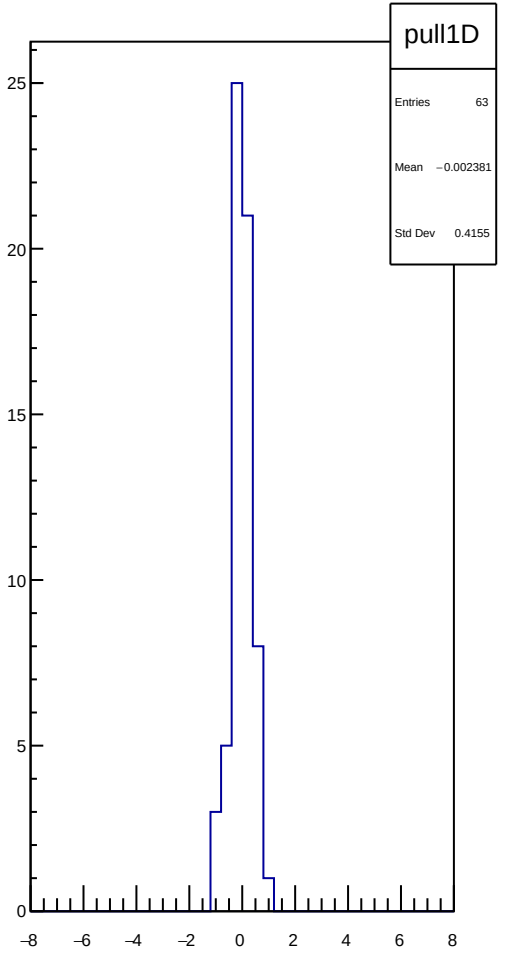

asym_bcm_an_ds_rms vs run
χ² / ndf 1.994e+04 / 62
p0 256.9 ± 0.2354
600
550
500
450
400
350
300
250
200

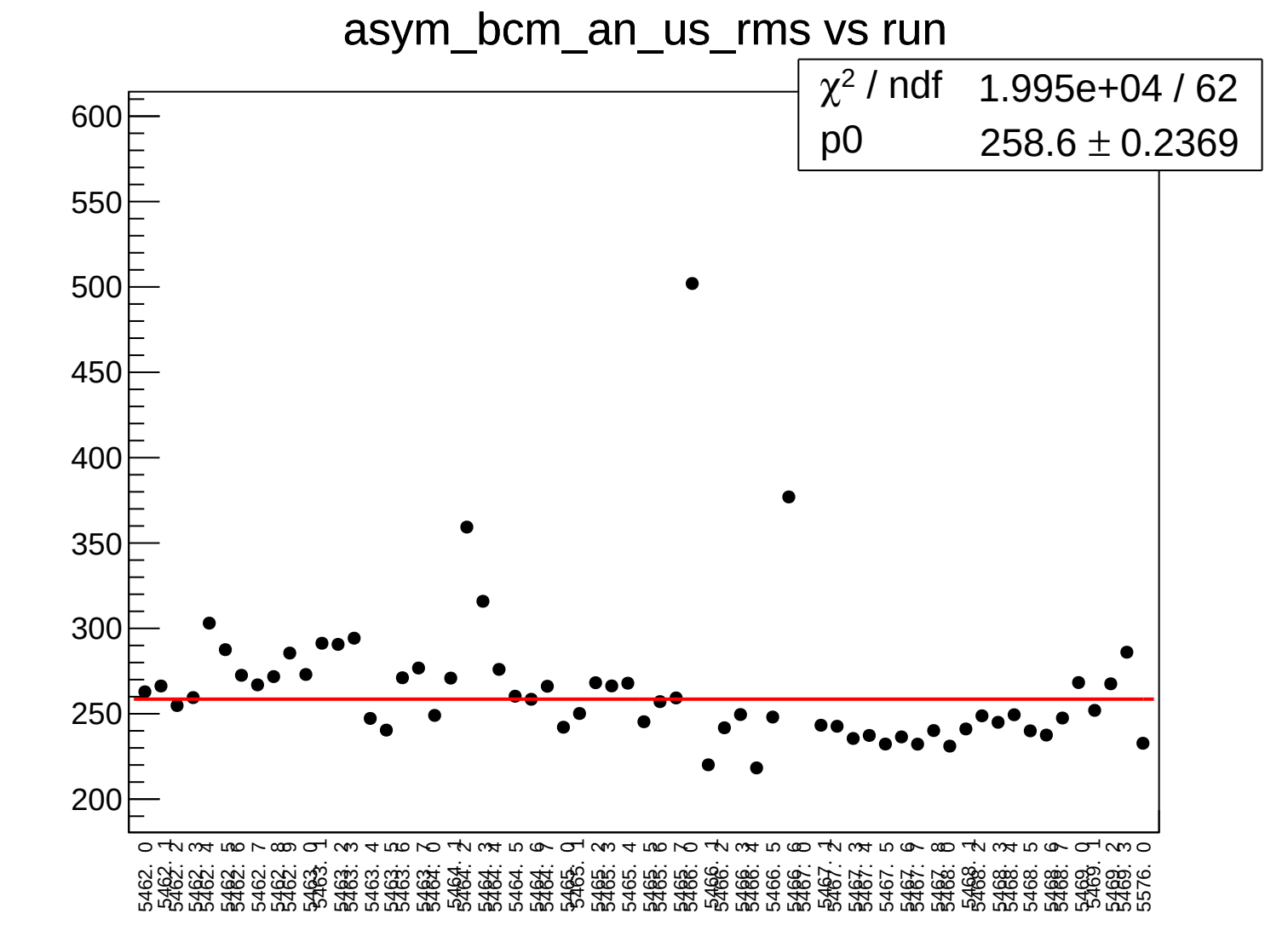

asym_bcm_an_ds3_mean vs run
χ² / ndf 11 / 62
p0 −70.64 ± 334.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 349.1
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

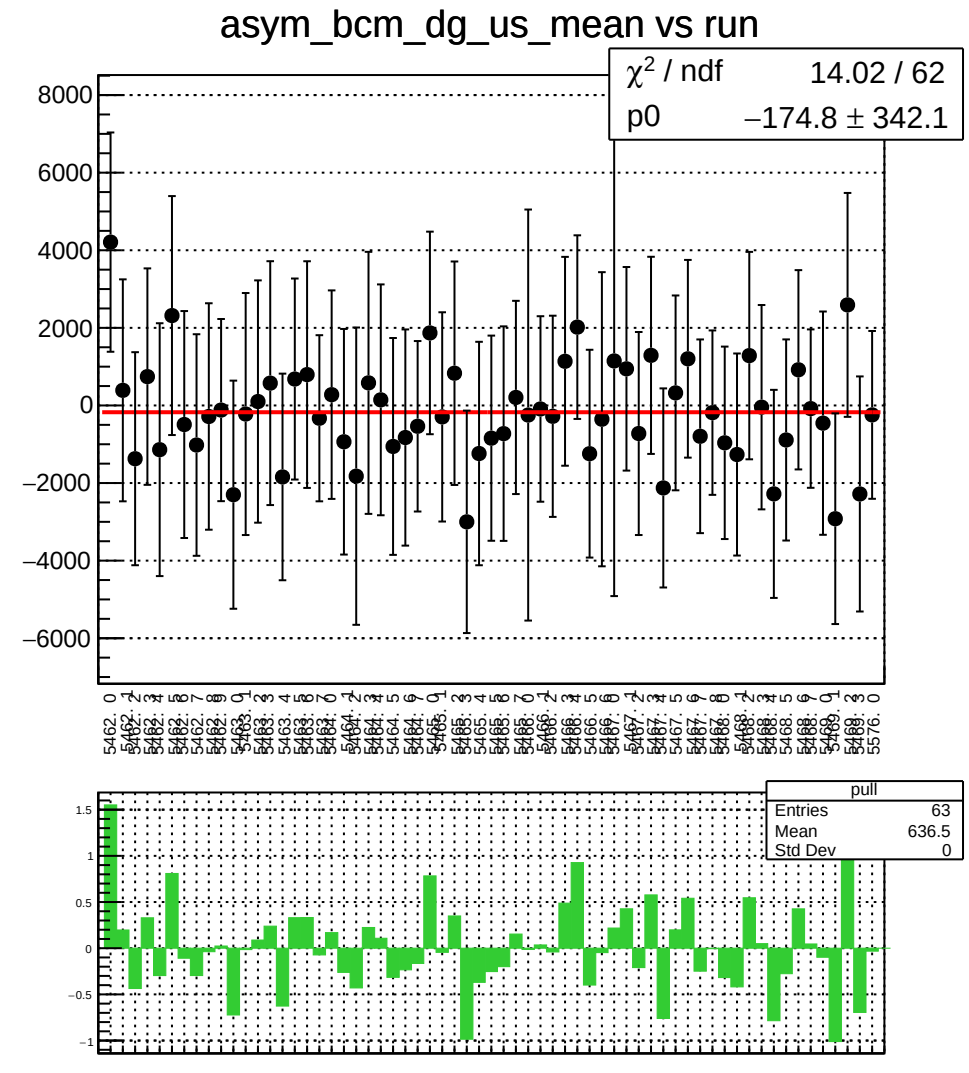

pull1D
Entries 63
Mean −0.002304
Std Dev 0.4178
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

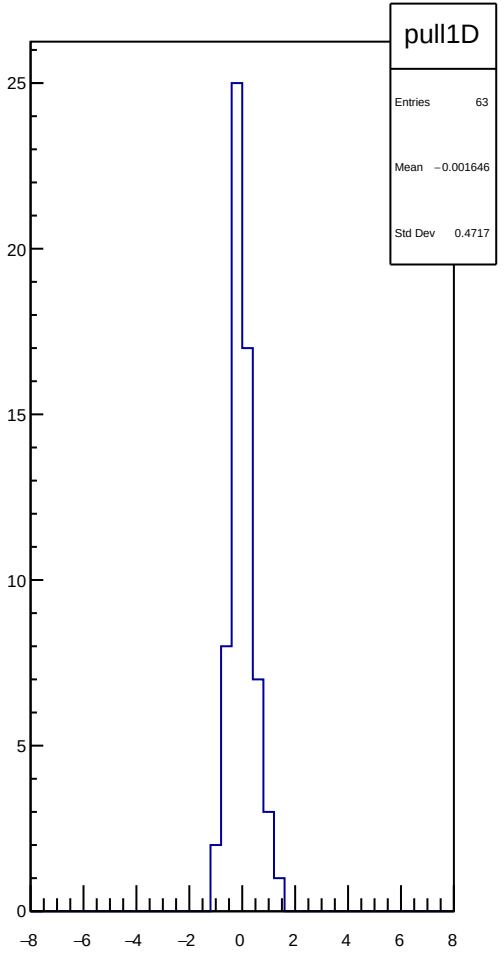

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 2.006e+04 / 62
p0 258.2 ± 0.2366
600
550
500
450
400
350
300
250
200

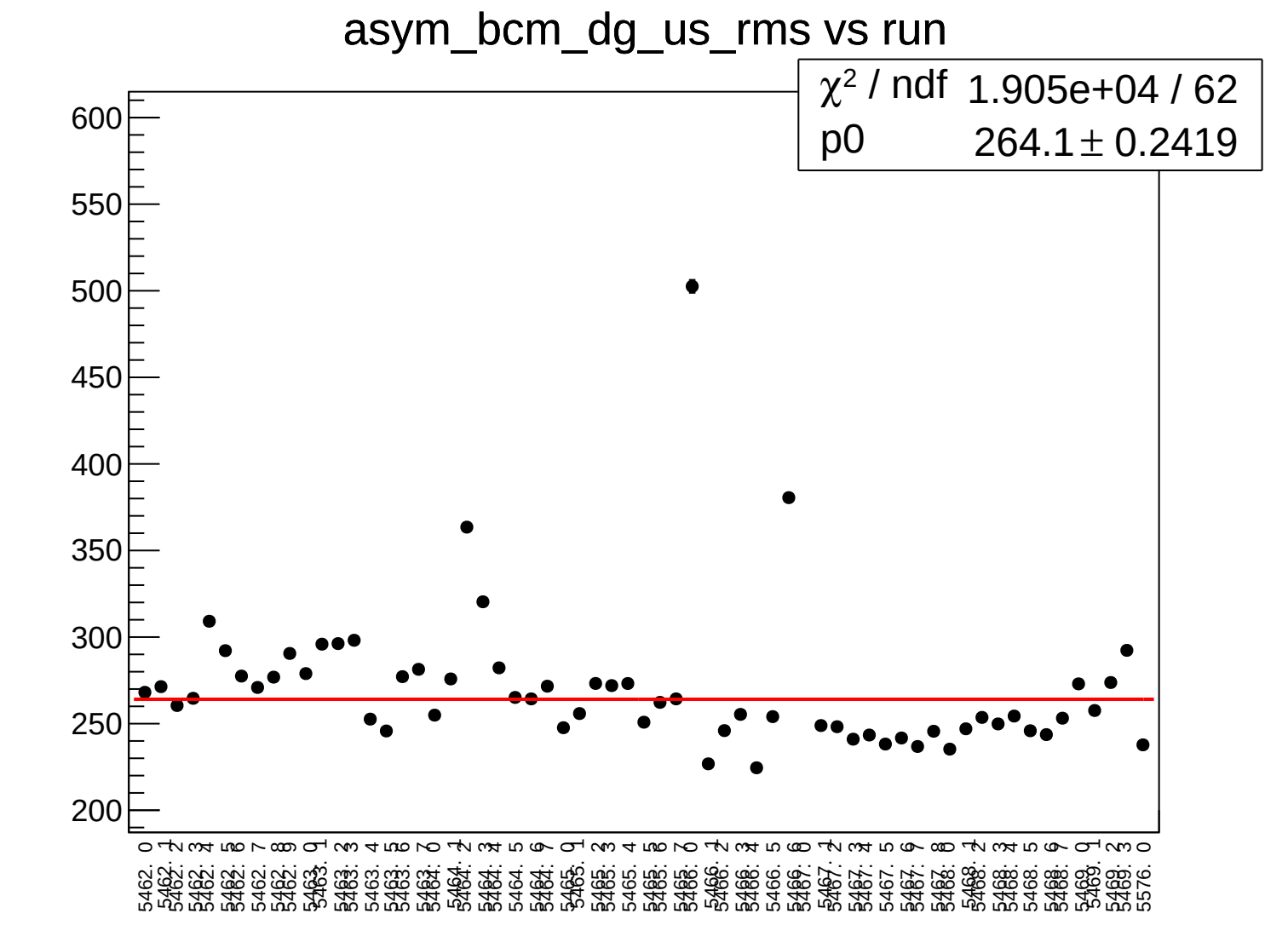

asym_bcm_an_us_mean vs run
χ² / ndf 10.88 / 62
p0 −145.9 ± 335.1
pull
Entries 63
Mean 414.5
Std Dev 0

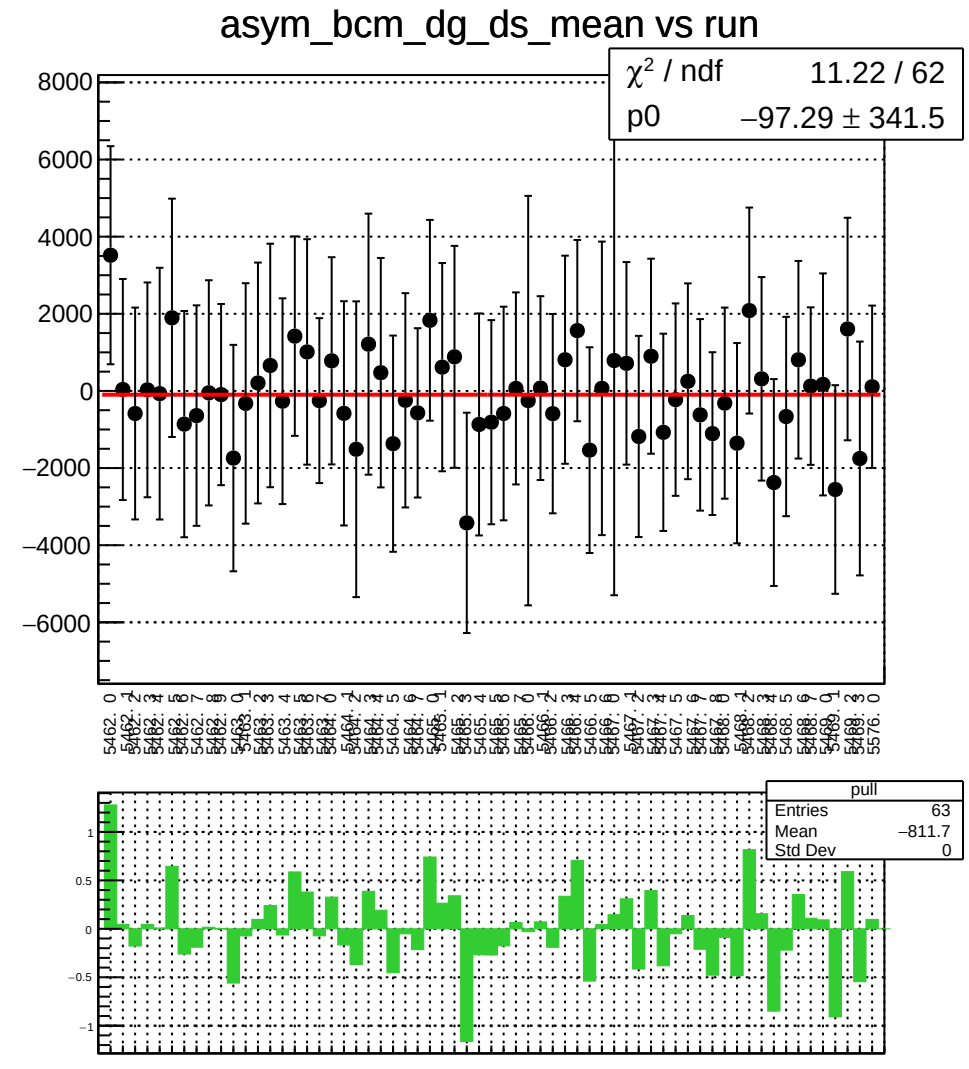

pull1D
Entries 63
Mean −0.002381
Std Dev 0.4155

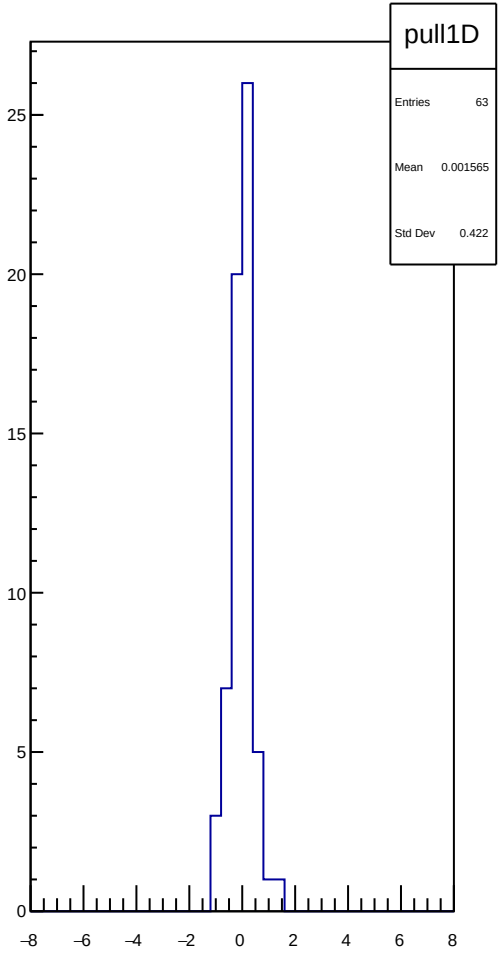

asym_bcm_an_us_rms vs run
χ² / ndf 1.995e+04 / 62
p0 258.6 ± 0.2369
600
550
500
450
400
350
300
250
200

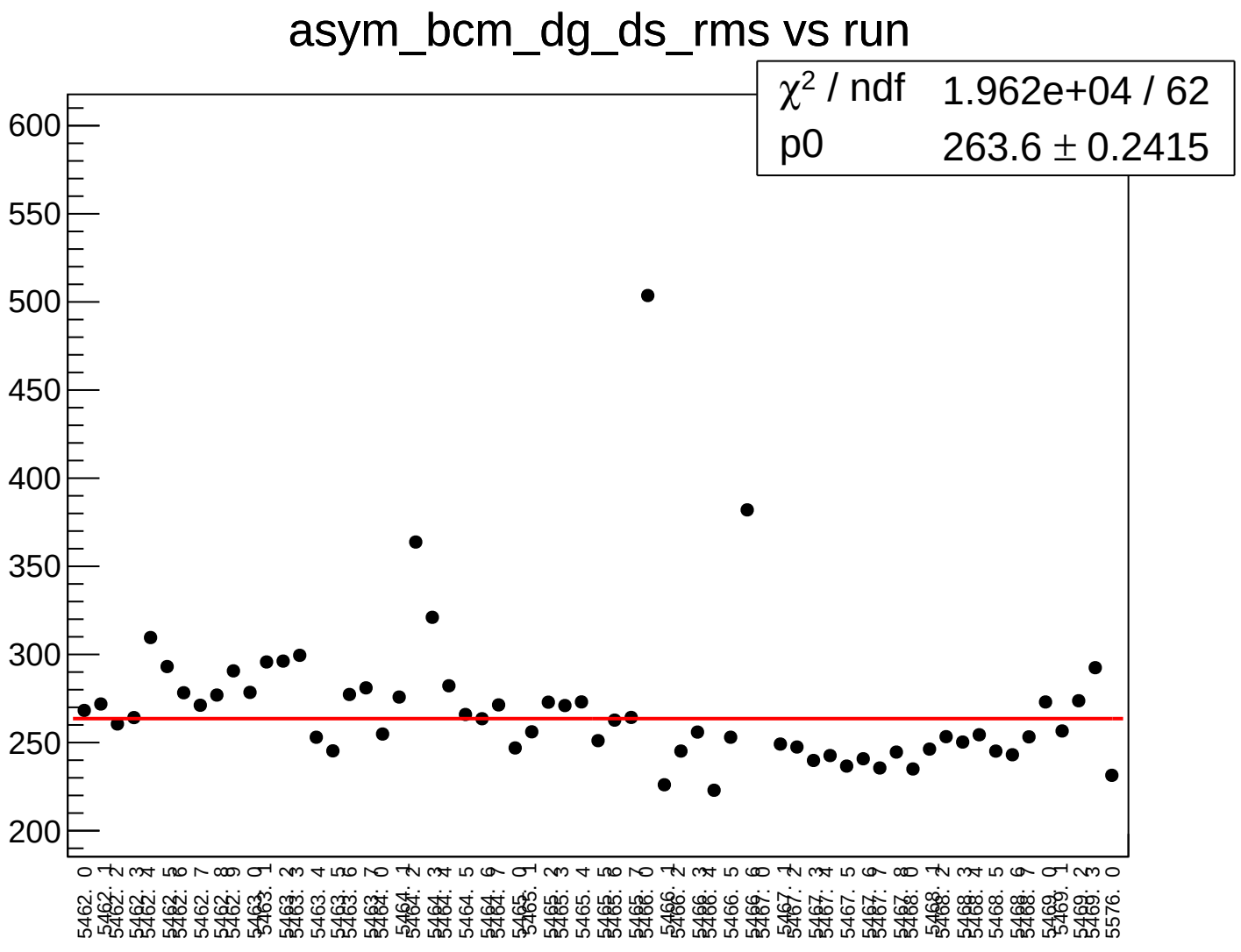

asym_bcm_dg_us_mean vs run
χ² / ndf 14.02 / 62
p0 −174.8 ± 342.1
pull
Entries 63
Mean 636.5
Std Dev 0

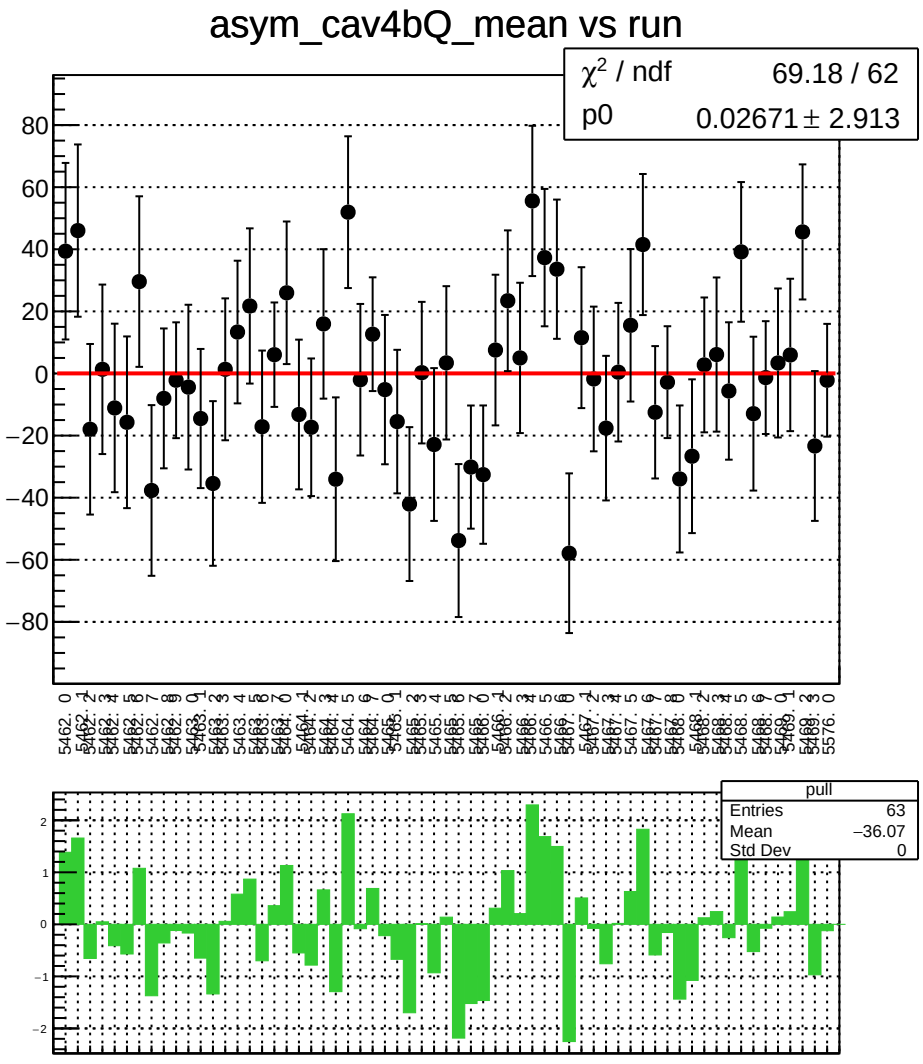

pull1D
Entries 63
Mean −0.001646
Std Dev 0.4717

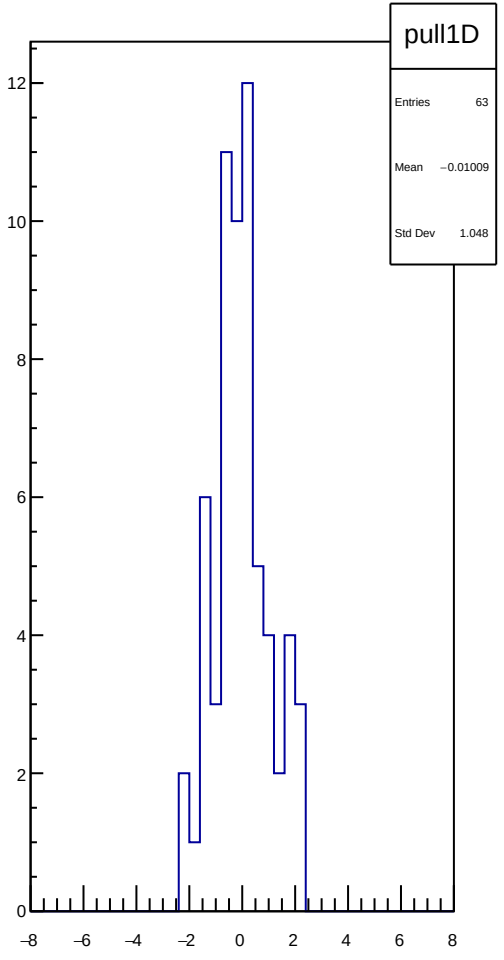

asym_bcm_dg_us_rms vs run
χ² / ndf 1.905e+04 / 62
p0 264.1 ± 0.2419
600
550
500
450
400
350
300
250
200

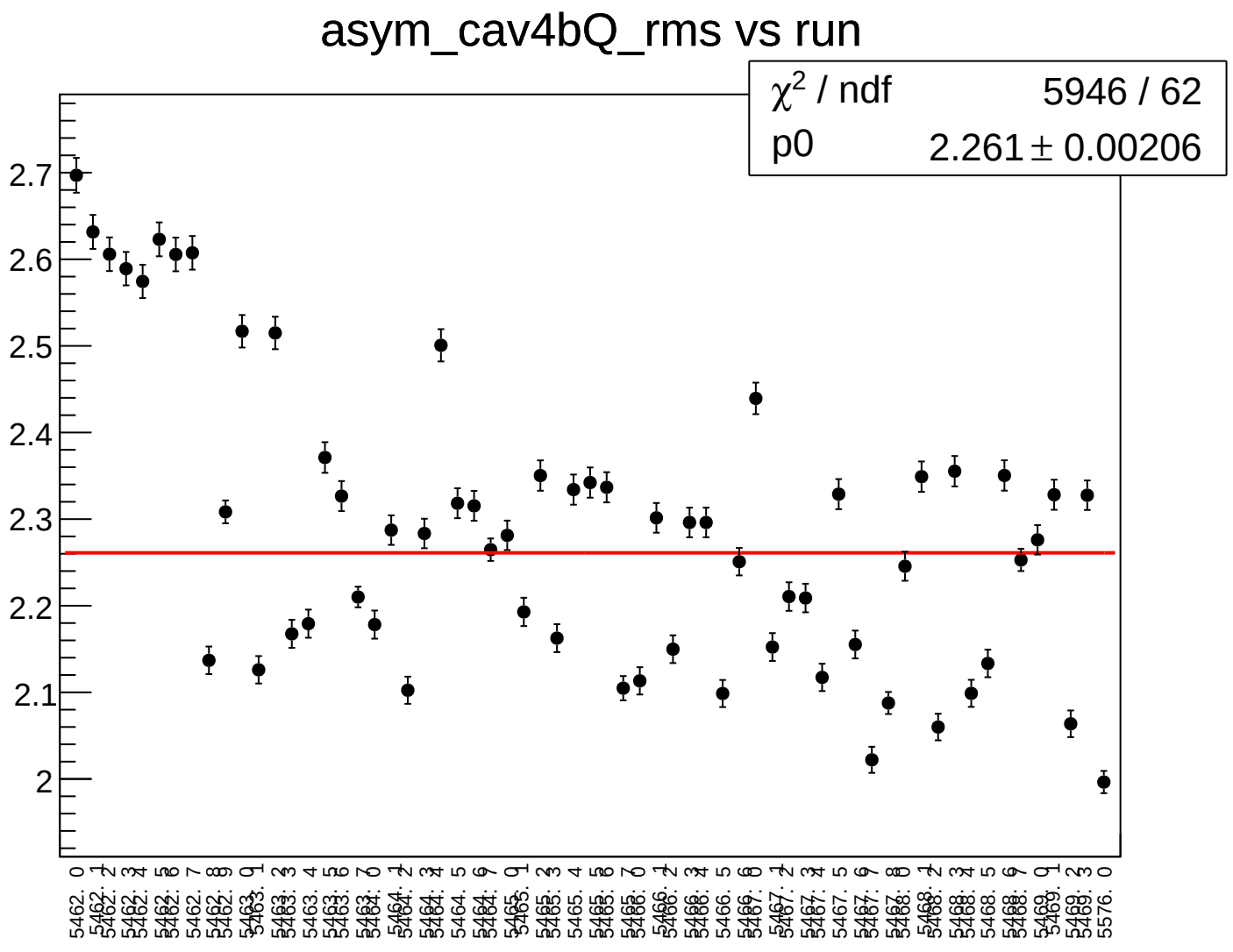

asym_bcm_dg_ds_mean vs run
χ² / ndf 11.22 / 62
p0 −97.29 ± 341.5
pull
Entries 63
Mean −811.7
Std Dev 0

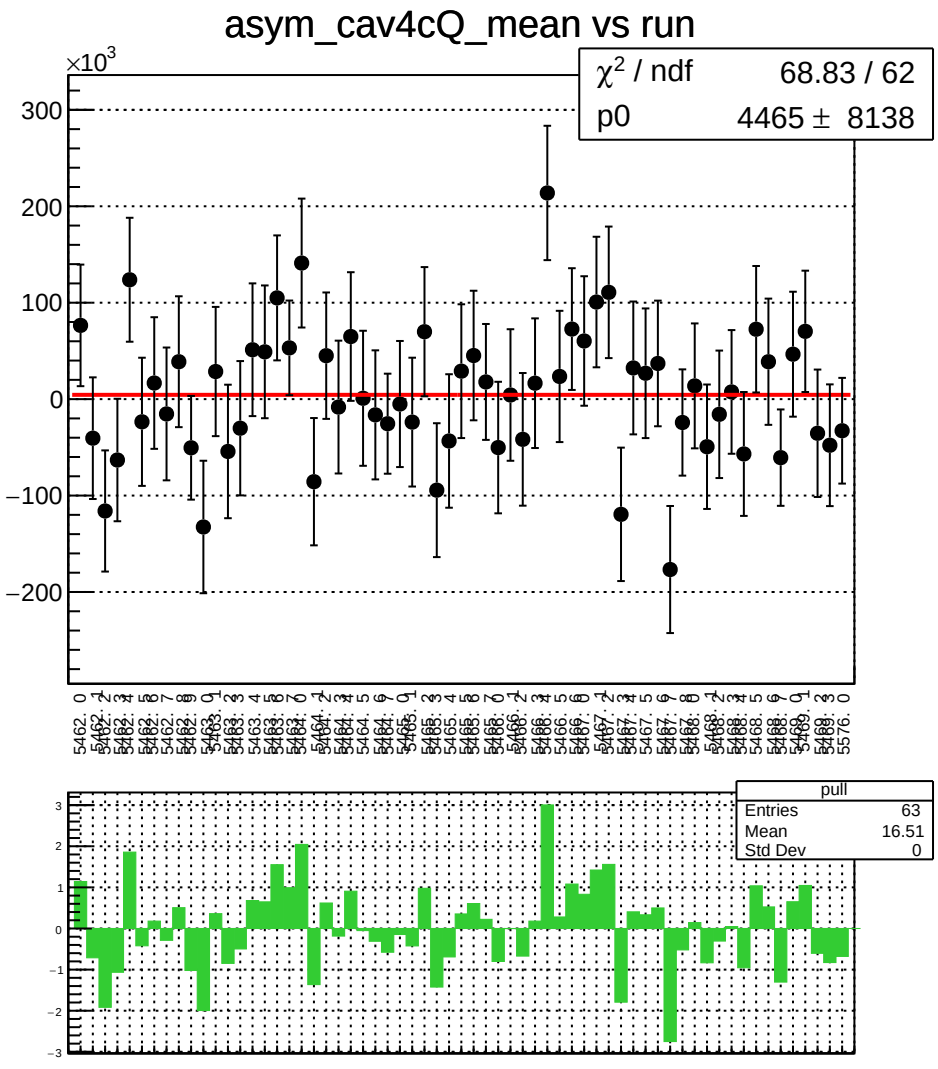

pull1D
Entries 63
Mean 0.001565
Std Dev 0.422

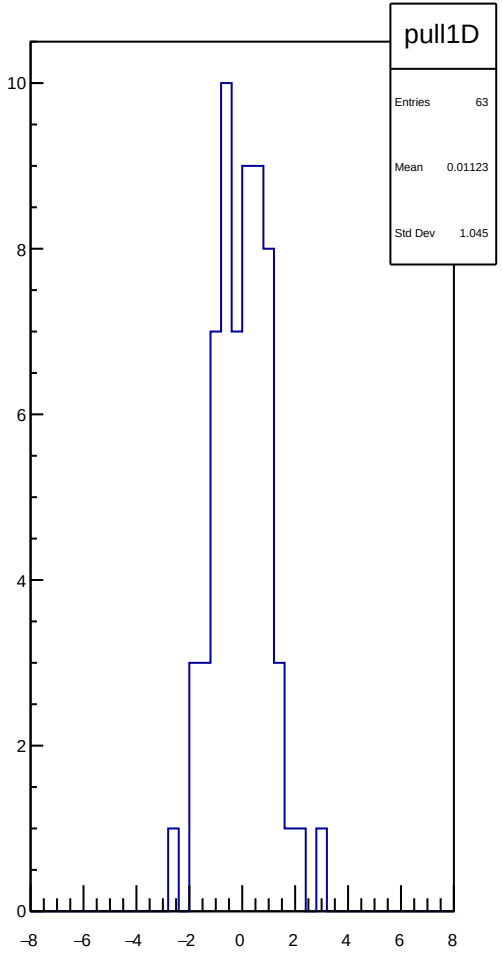

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.962e+04 / 62
p0 263.6 ± 0.2415
600
550
500
450
400
350
300
250
200

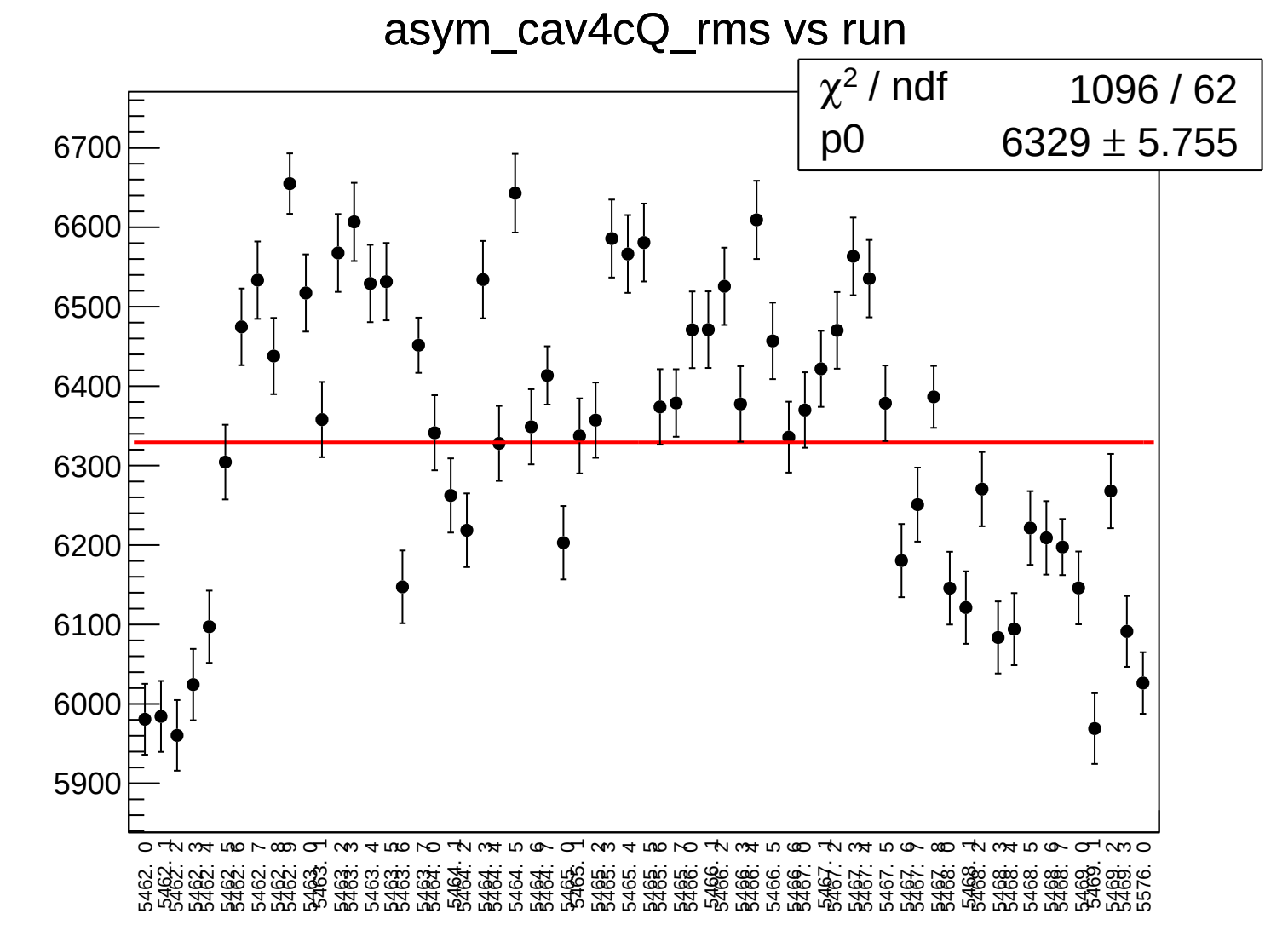

asym_cav4bQ_mean vs run
χ² / ndf 69.18 / 62
p0 0.02671 ± 2.913
pull
Entries 63
Mean −36.07
Std Dev 0

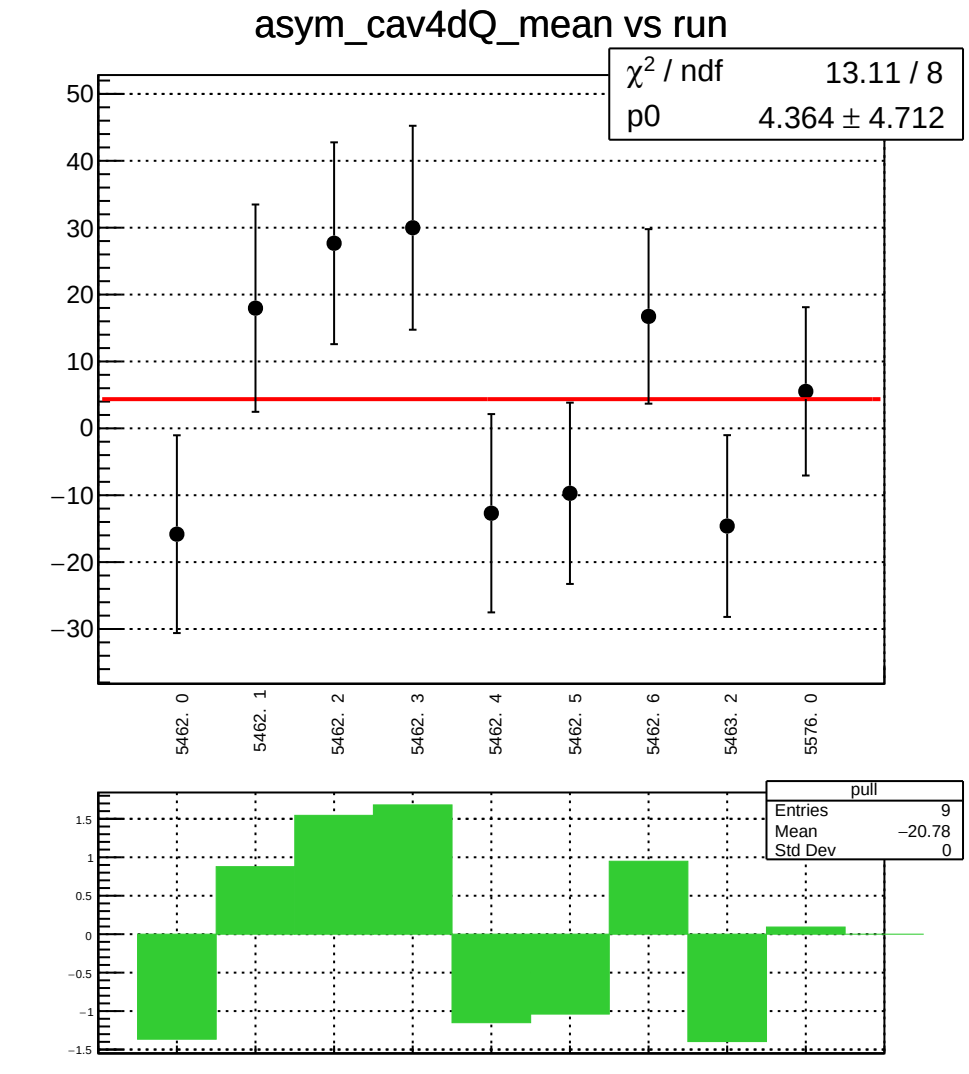

pull1D
Entries 63
Mean −0.01009
Std Dev 1.048

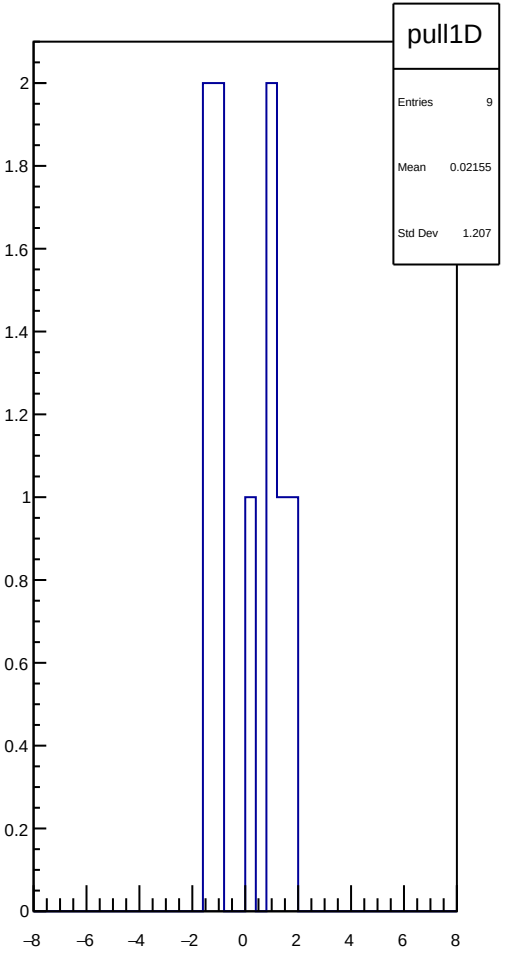

asym_cav4bQ_rms vs run
χ^2 / ndf 5946 / 62
p0 2.261 ± 0.00206
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

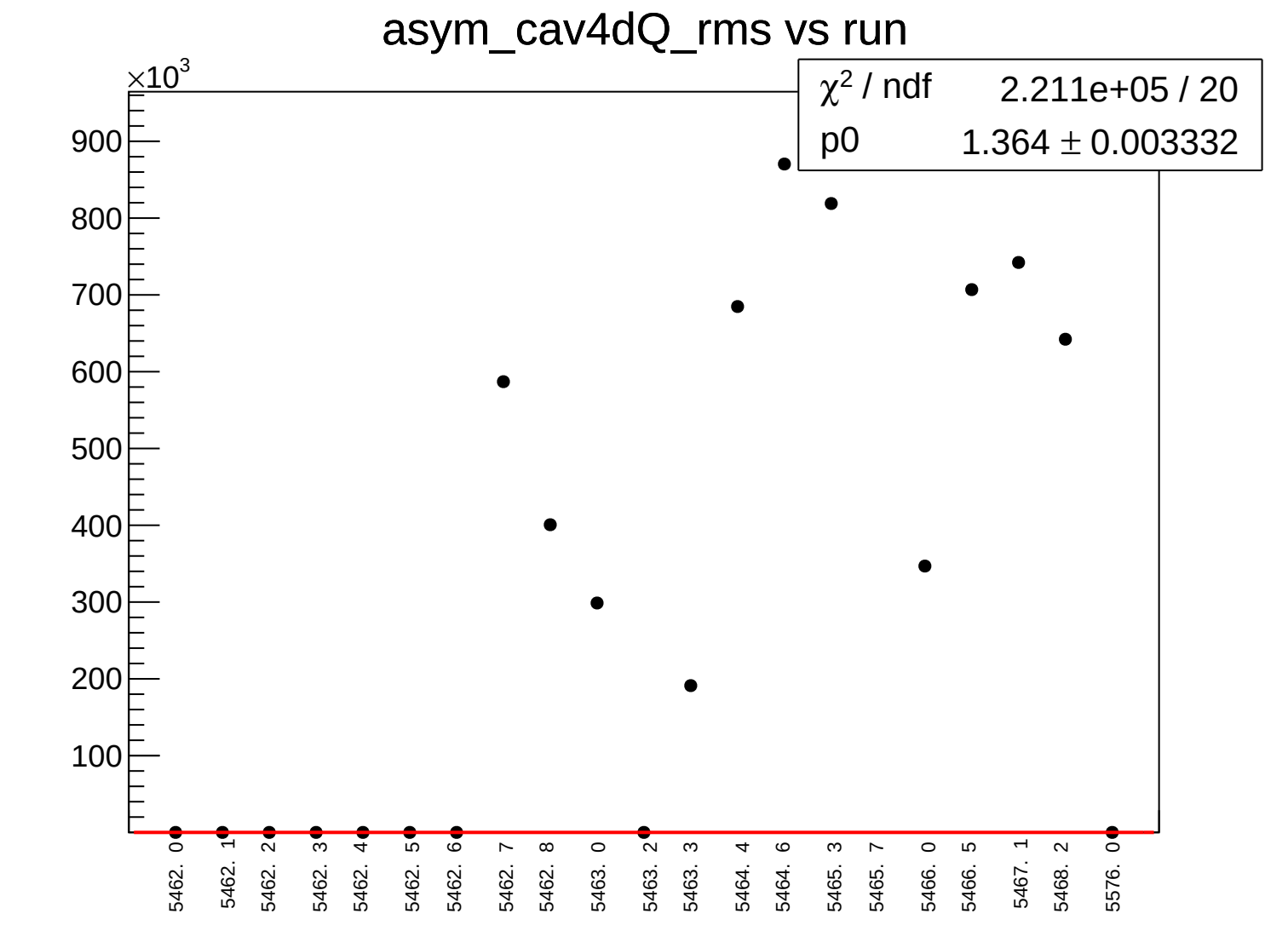

asym_cav4cQ_mean vs run
×10^3
χ² / ndf 68.83 / 62
p0 4465 ± 8138
300
200
100
0
−100
−200
pull
Entries 63
Mean 16.51
Std Dev 0
3
2
1
0
−1
−2
−3

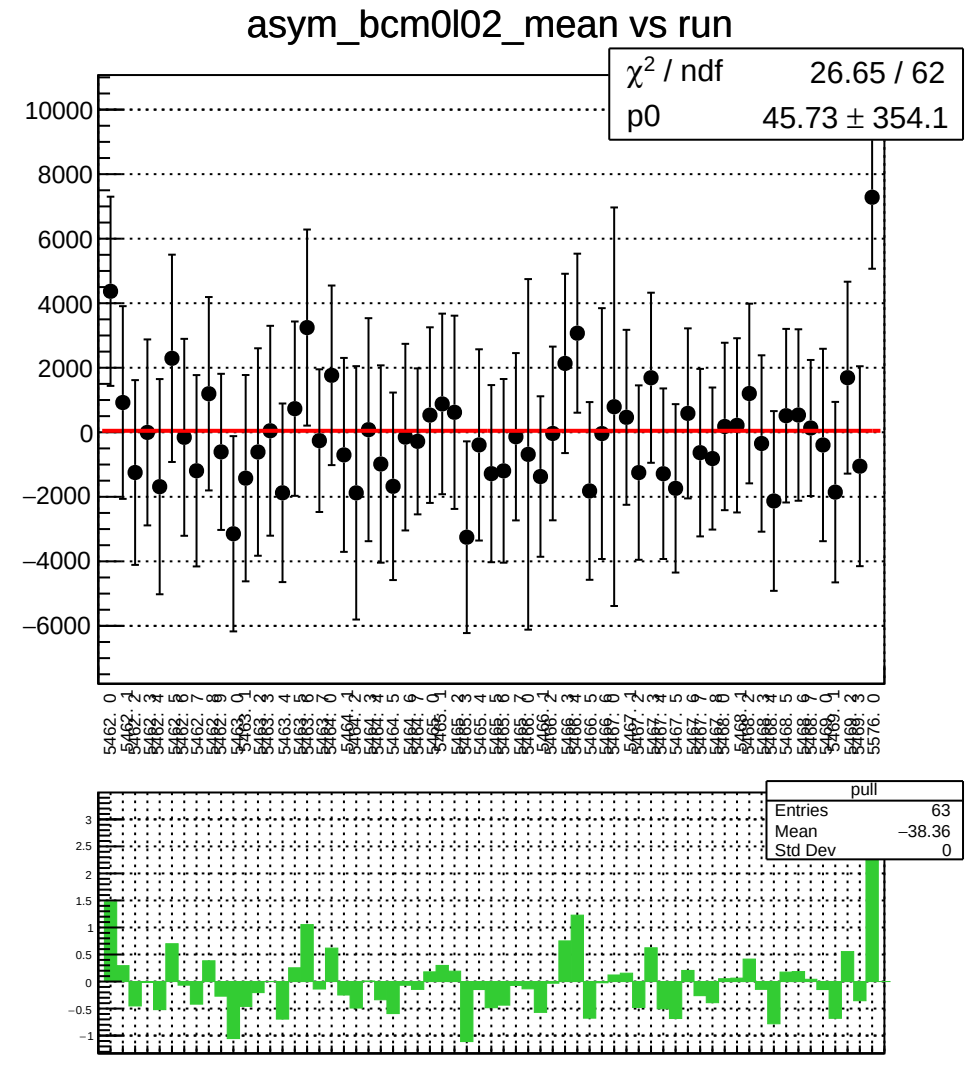

pull1D
Entries 63
Mean 0.01123
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

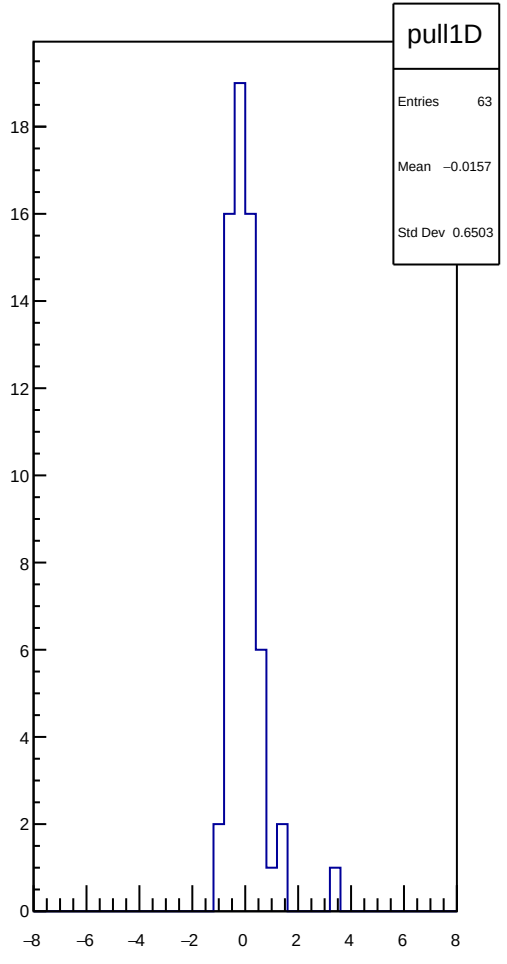

asym_cav4cQ_rms vs run
χ² / ndf 1096 / 62
p0 6329 ± 5.755
6700
6600
6500
6400
6300
6200
6100
6000
5900

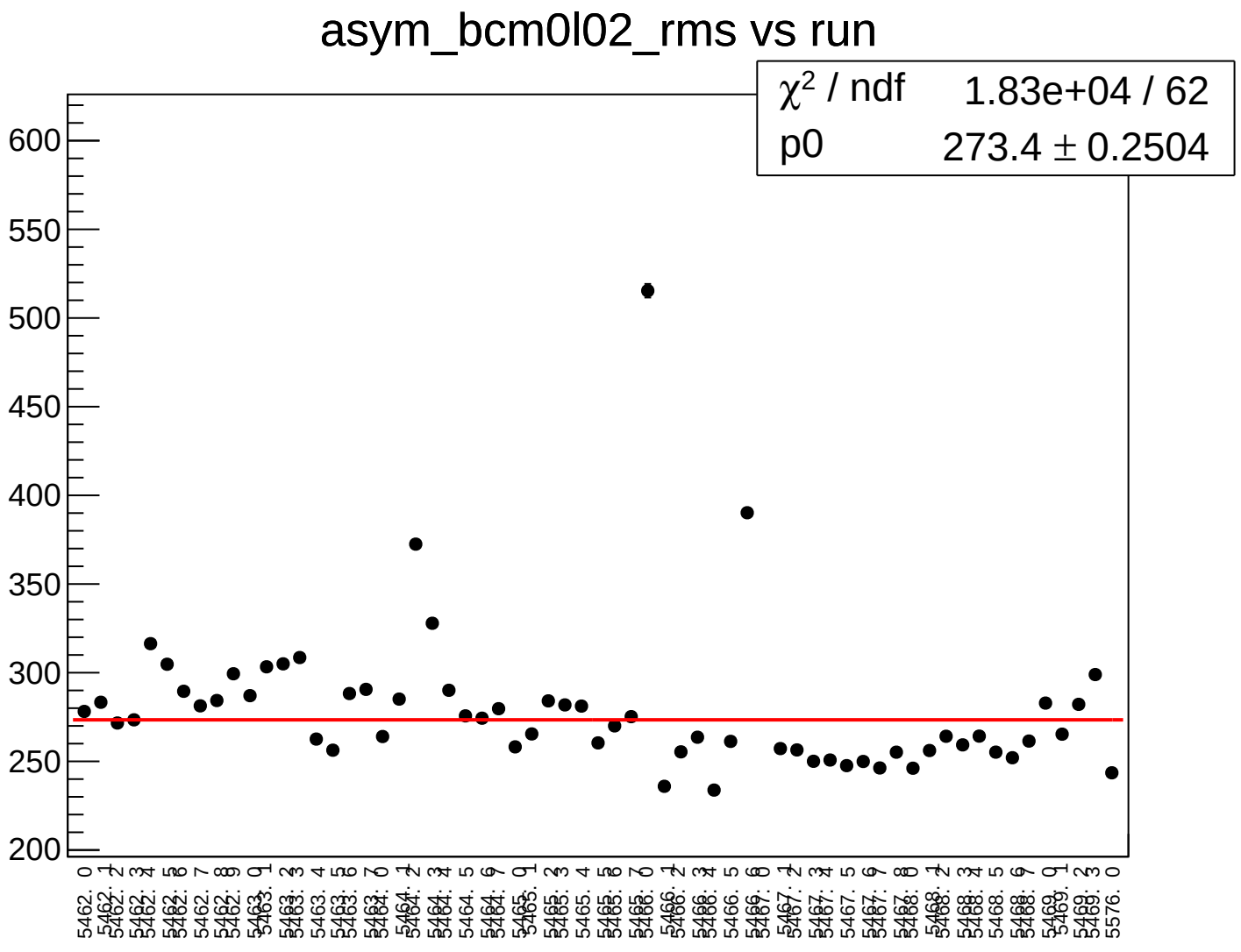

asym_cav4dQ_mean vs run
χ² / ndf 13.11 / 8
p0 4.364 ± 4.712
50
40
30
20
10
0
−10
−20
−30
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5463. 2
5576. 0
pull
Entries 9
Mean −20.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

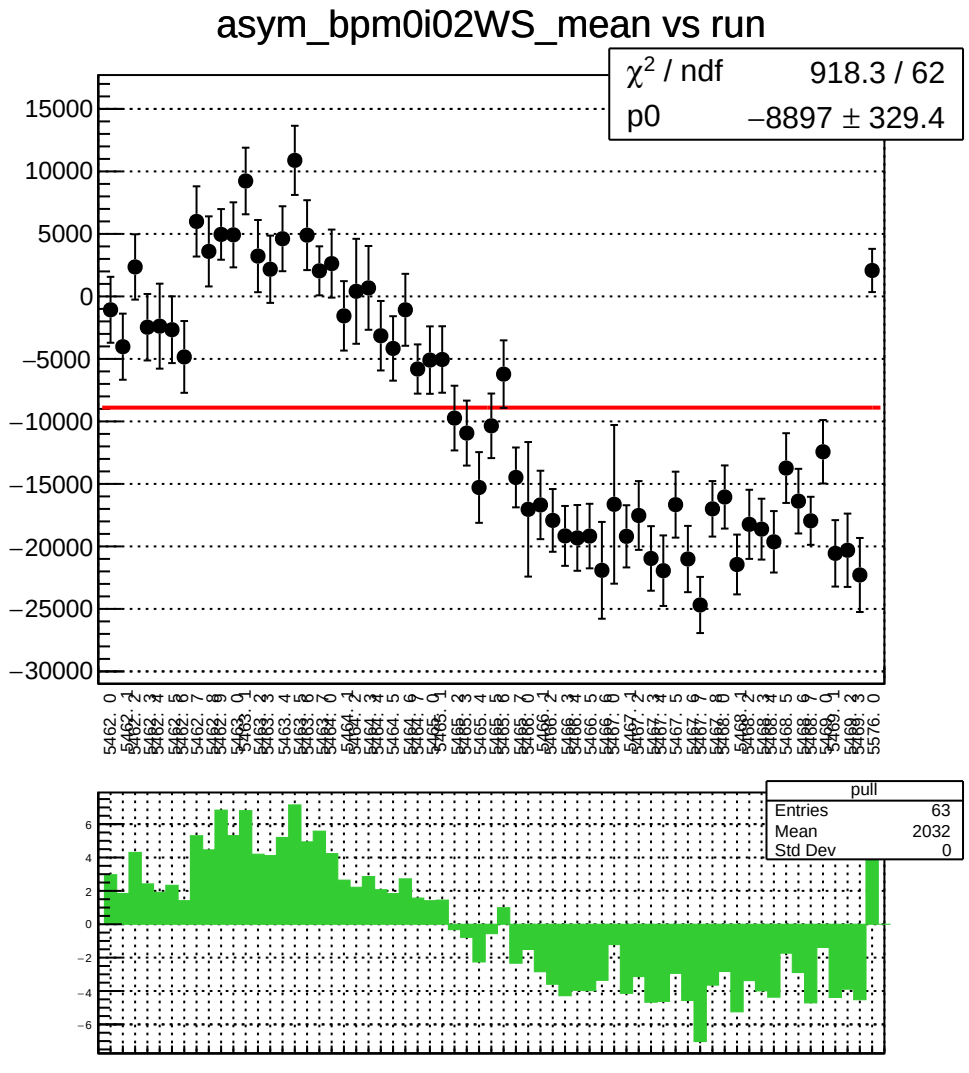

pull1D
Entries 9
Mean 0.02155
Std Dev 1.207
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

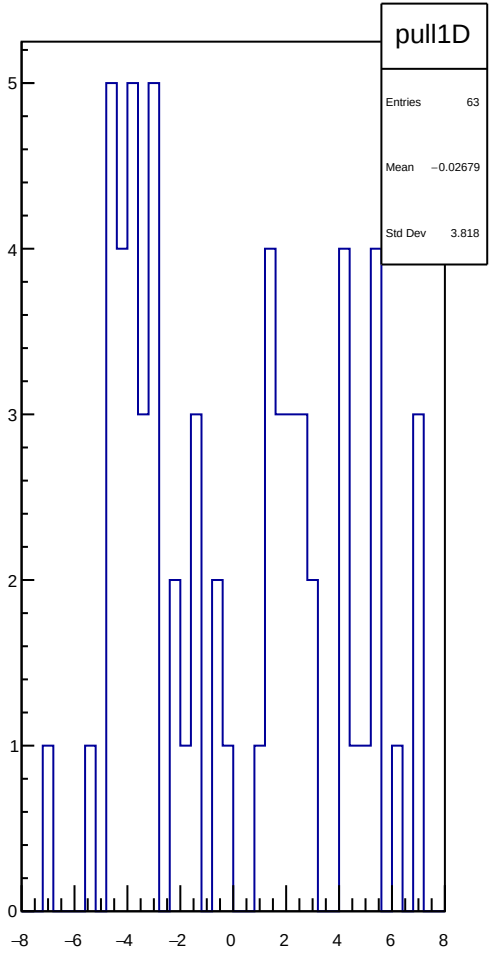

asym_cav4dQ_rms vs run
×10^3
900
800
700
600
500
400
300
200
100
χ² / ndf 2.211e+05 / 20
p0 1.364 ± 0.003332
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5463. 0
5463. 2
5463. 3
5464. 4
5464. 6
5465. 3
5465. 7
5466. 0
5466. 5
5467. 1
5468. 2
5576. 0

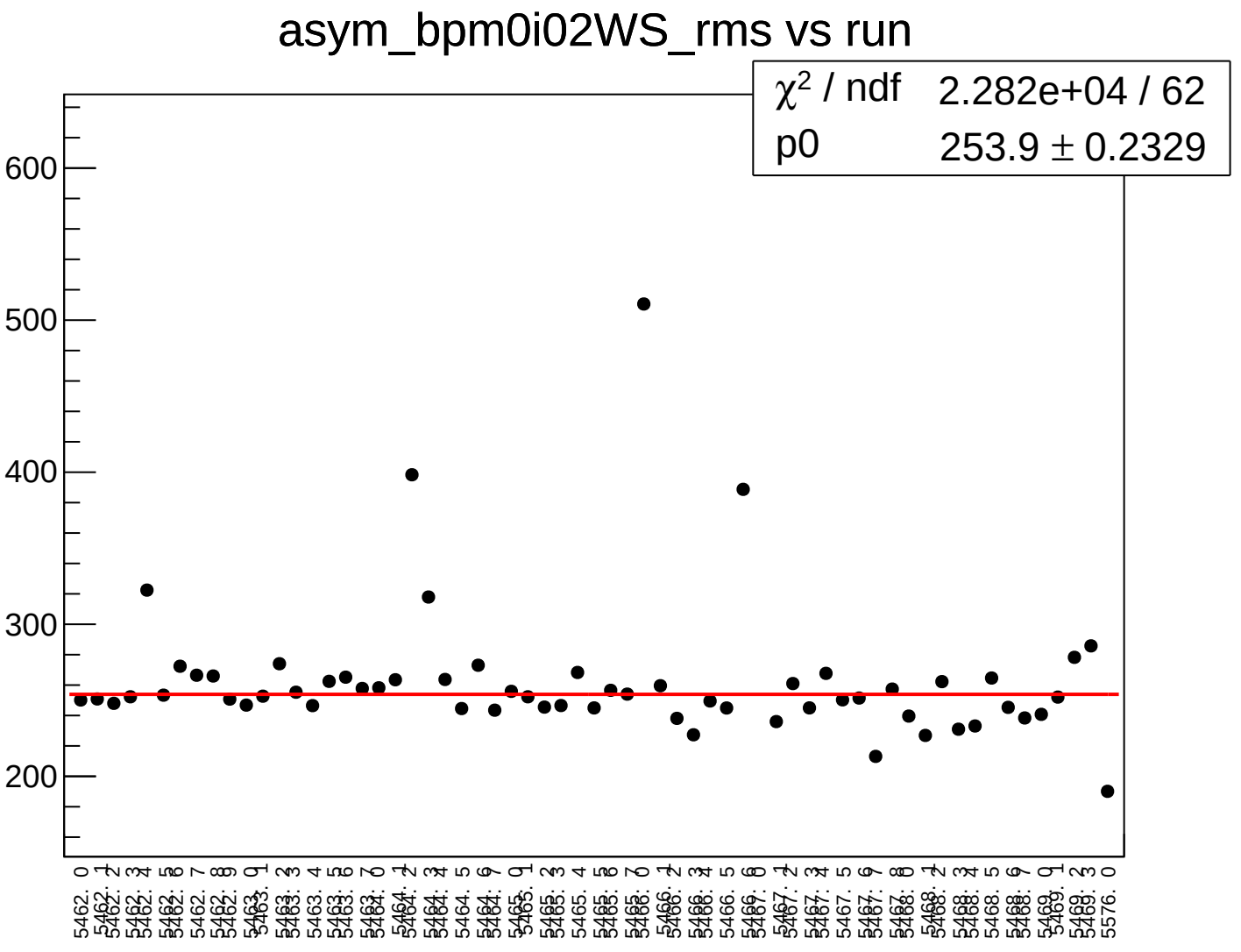

asym_bcm0l02_mean vs run
χ² / ndf 26.65 / 62
p0 45.73 ± 354.1
pull
Entries 63
Mean −38.36
Std Dev 0

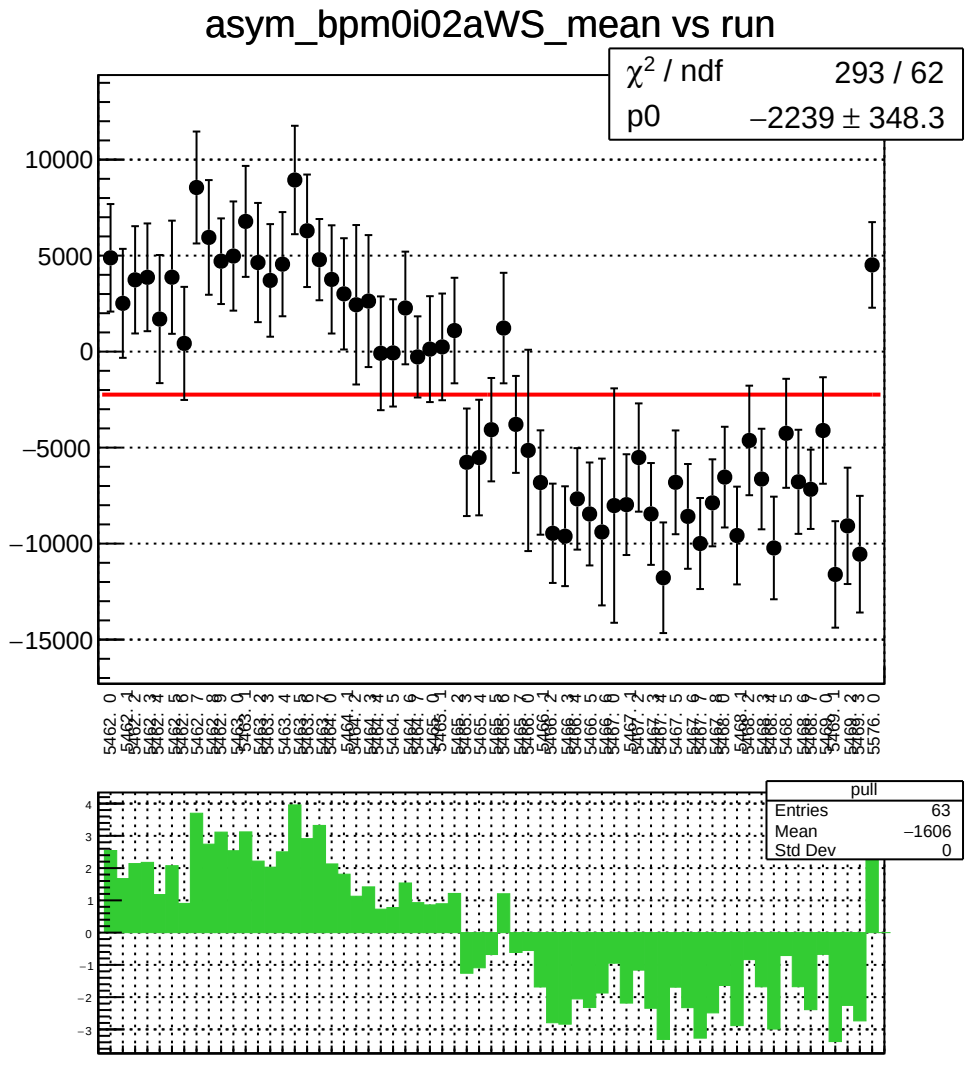

pull1D
Entries 63
Mean −0.0157
Std Dev 0.6503

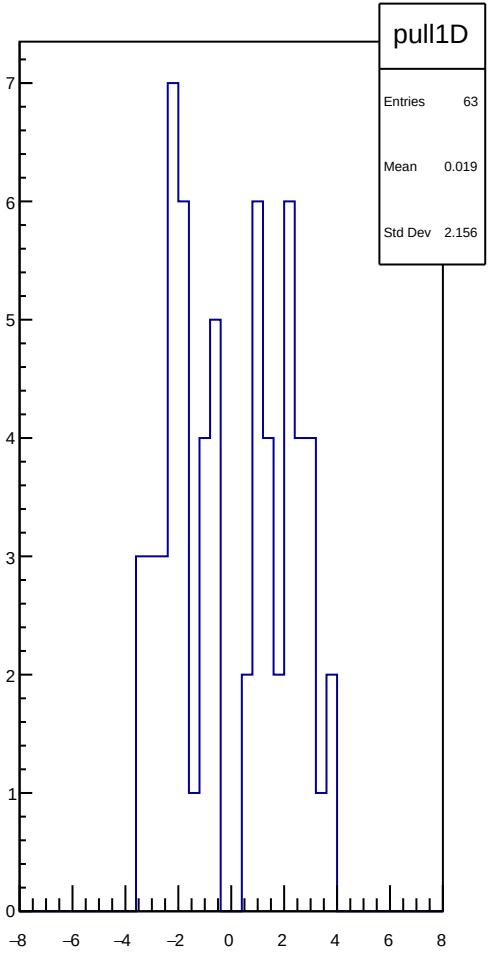

asym_bcm0l02_rms vs run
χ² / ndf 1.83e+04 / 62
p0 273.4 ± 0.2504
600
550
500
450
400
350
300
250
200

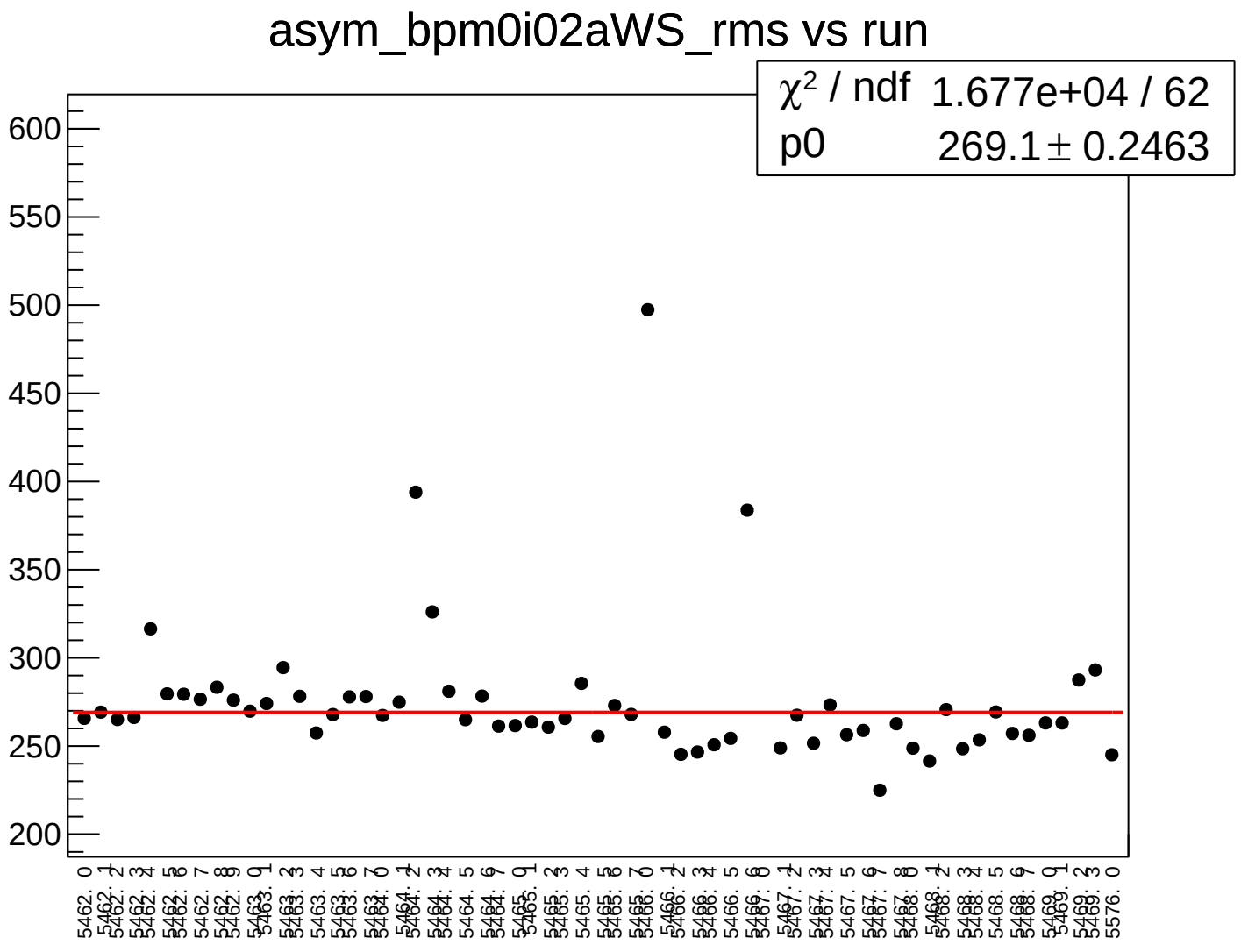

asym_bpm0i02WS_mean vs run
χ² / ndf 918.3 / 62
p0 −8897 ± 329.4
pull
Entries 63
Mean 2032
Std Dev 0

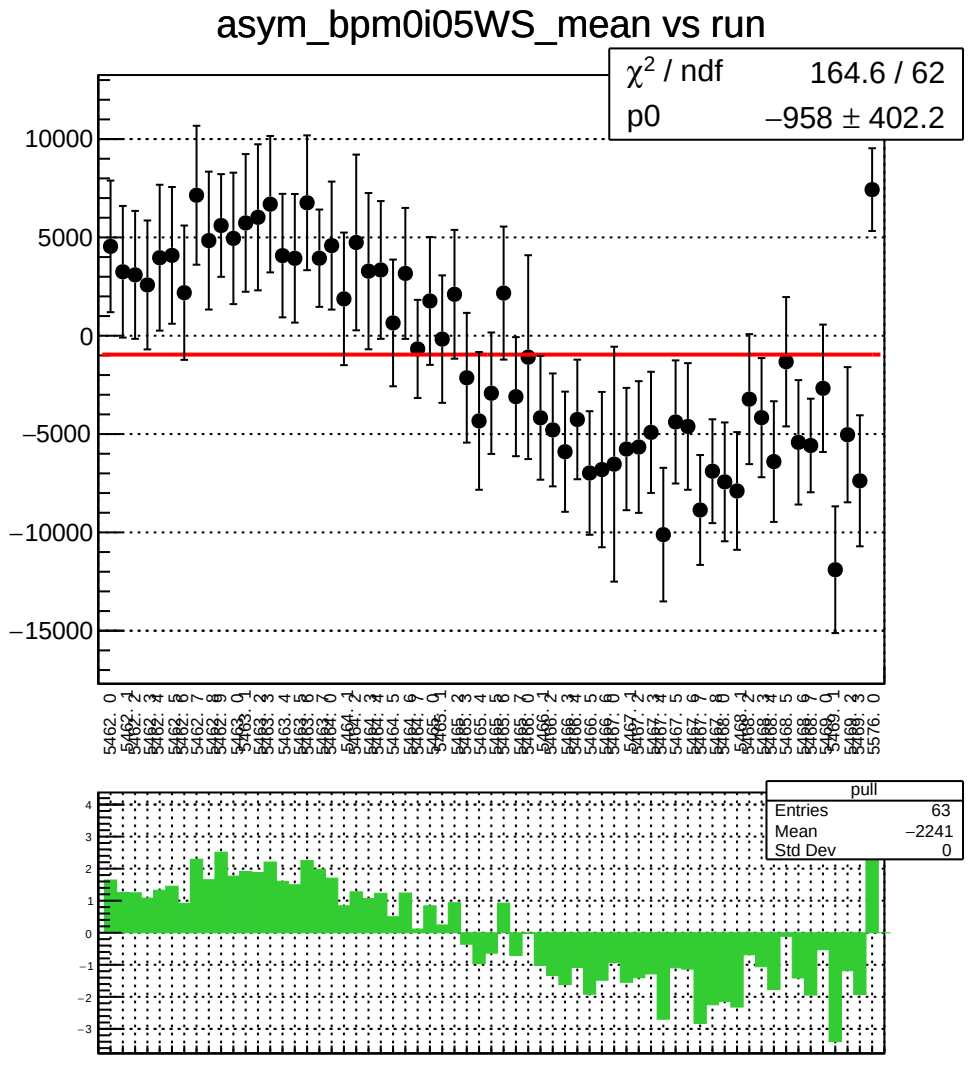

pull1D
Entries 63
Mean −0.02679
Std Dev 3.818

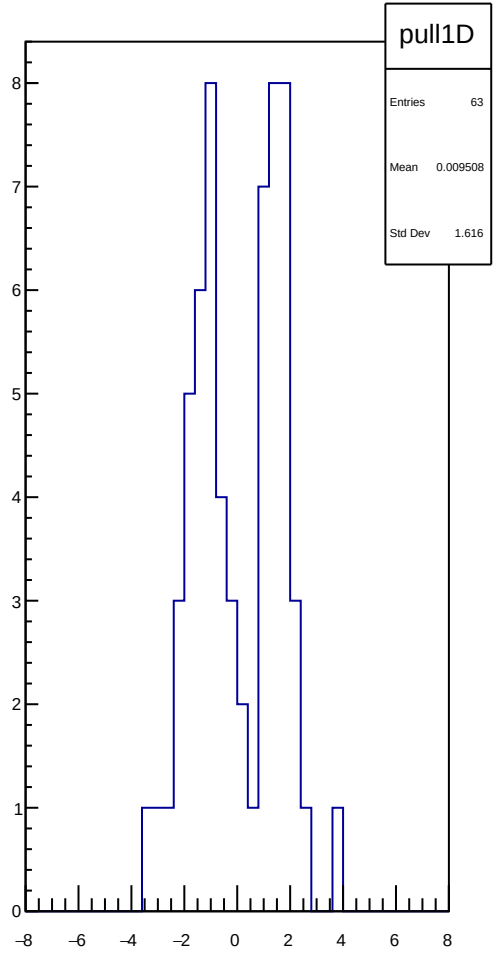

asym_bpm0i02WS_rms vs run
χ² / ndf 2.282e+04 / 62
p0 253.9 ± 0.2329
600
500
400
300
200

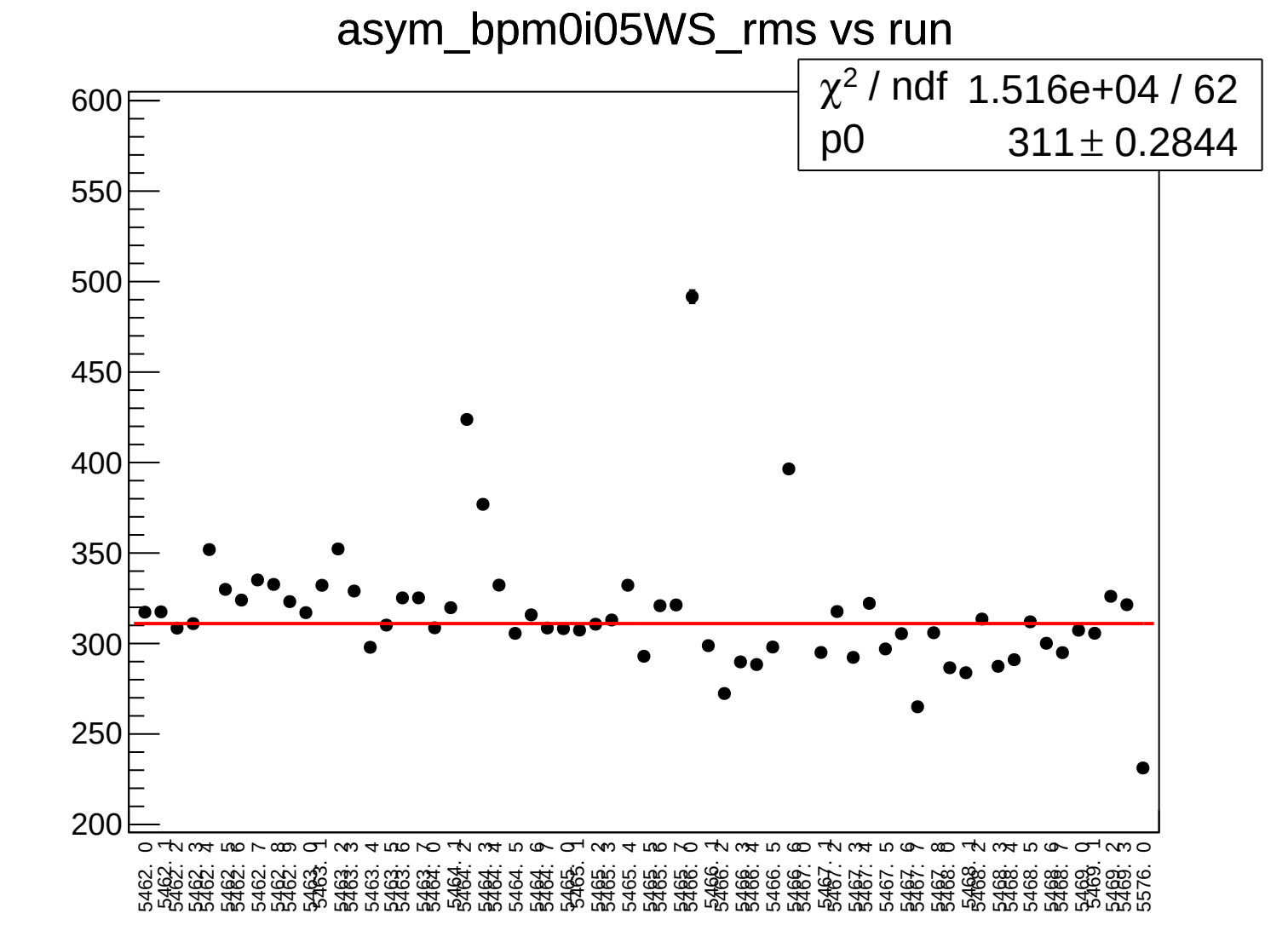

asym_bpm0i02aWS_mean vs run
χ² / ndf 293 / 62
p0 −2239 ± 348.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean −1606
Std Dev 0
4
3
2
1
0
−1
−2
−3

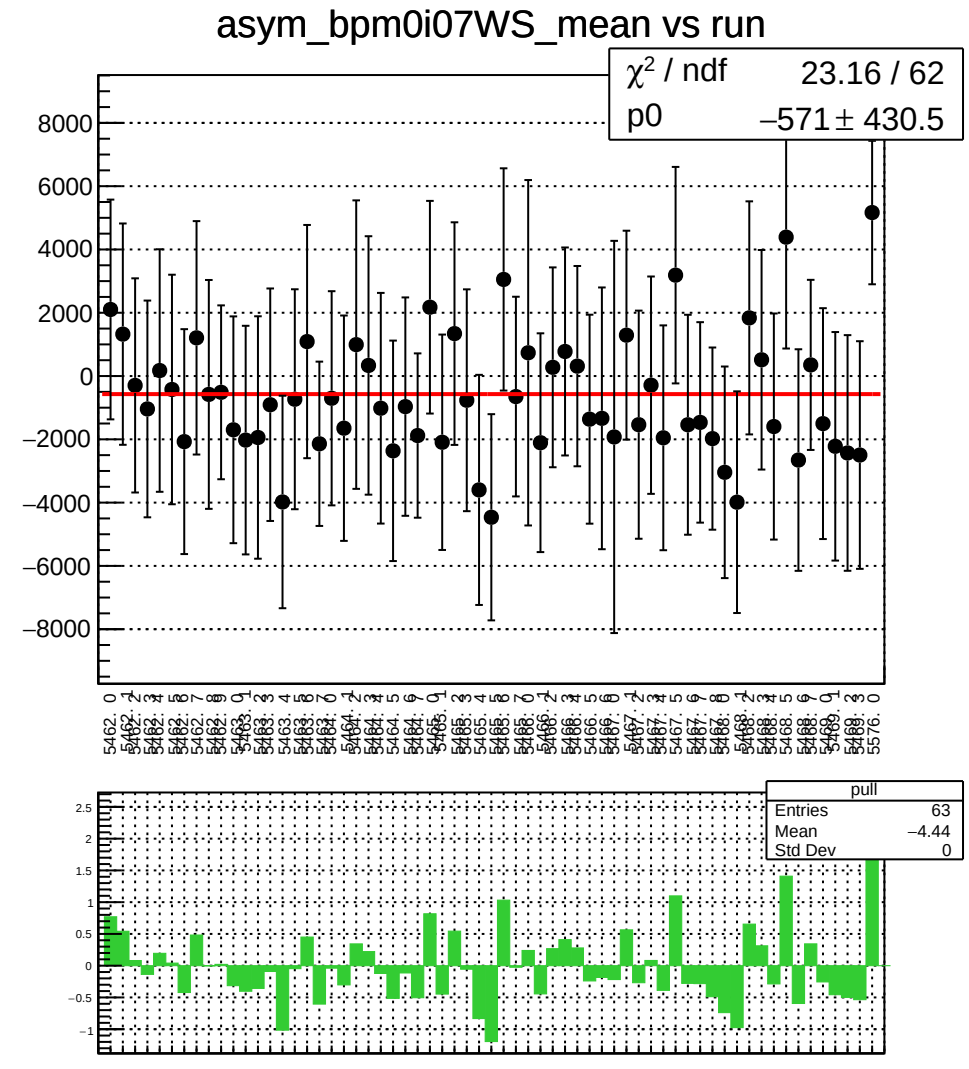

pull1D
Entries 63
Mean 0.019
Std Dev 2.156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

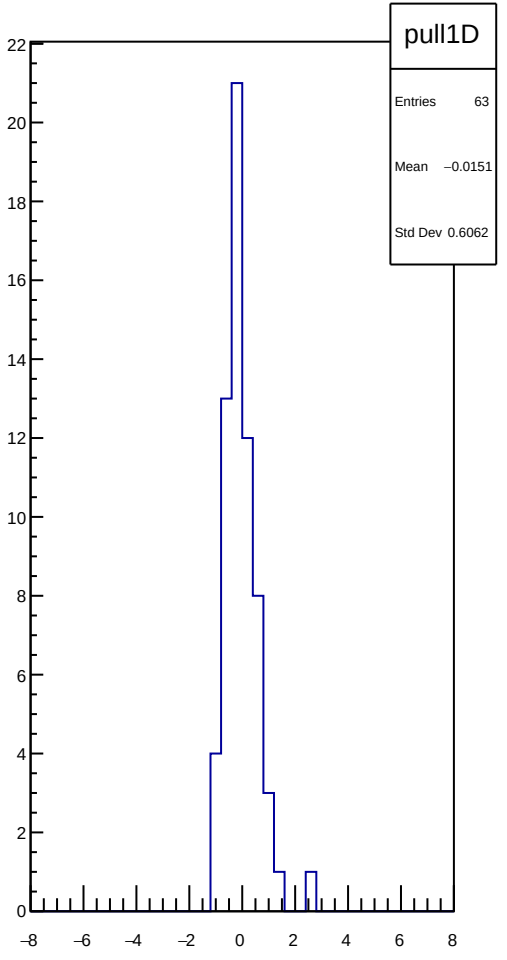

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.677e+04 / 62
p0 269.1 ± 0.2463
600
550
500
450
400
350
300
250
200

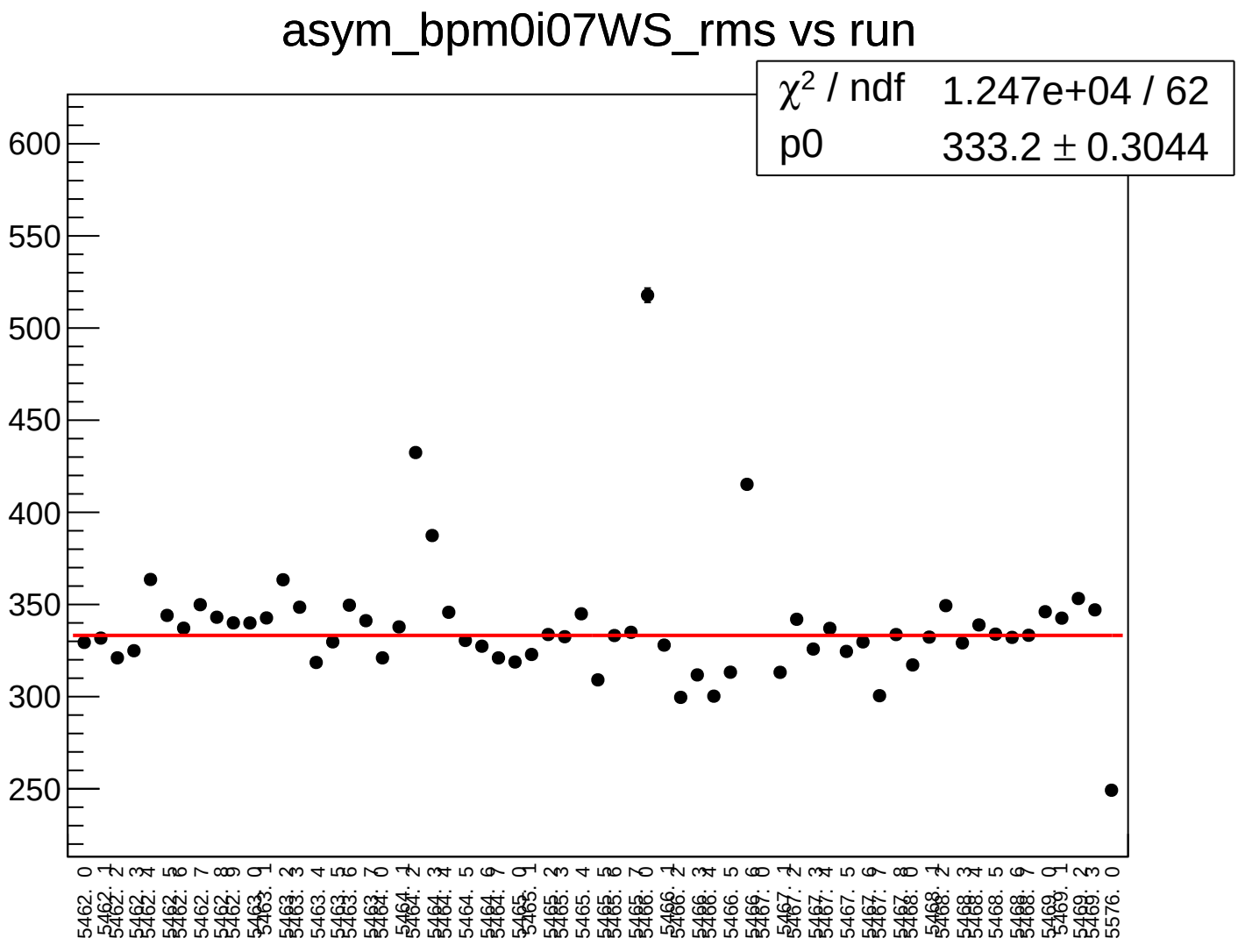

asym_bpm0i05WS_mean vs run
χ² / ndf 164.6 / 62
p0 −958 ± 402.2
pull
Entries 63
Mean −2241
Std Dev 0

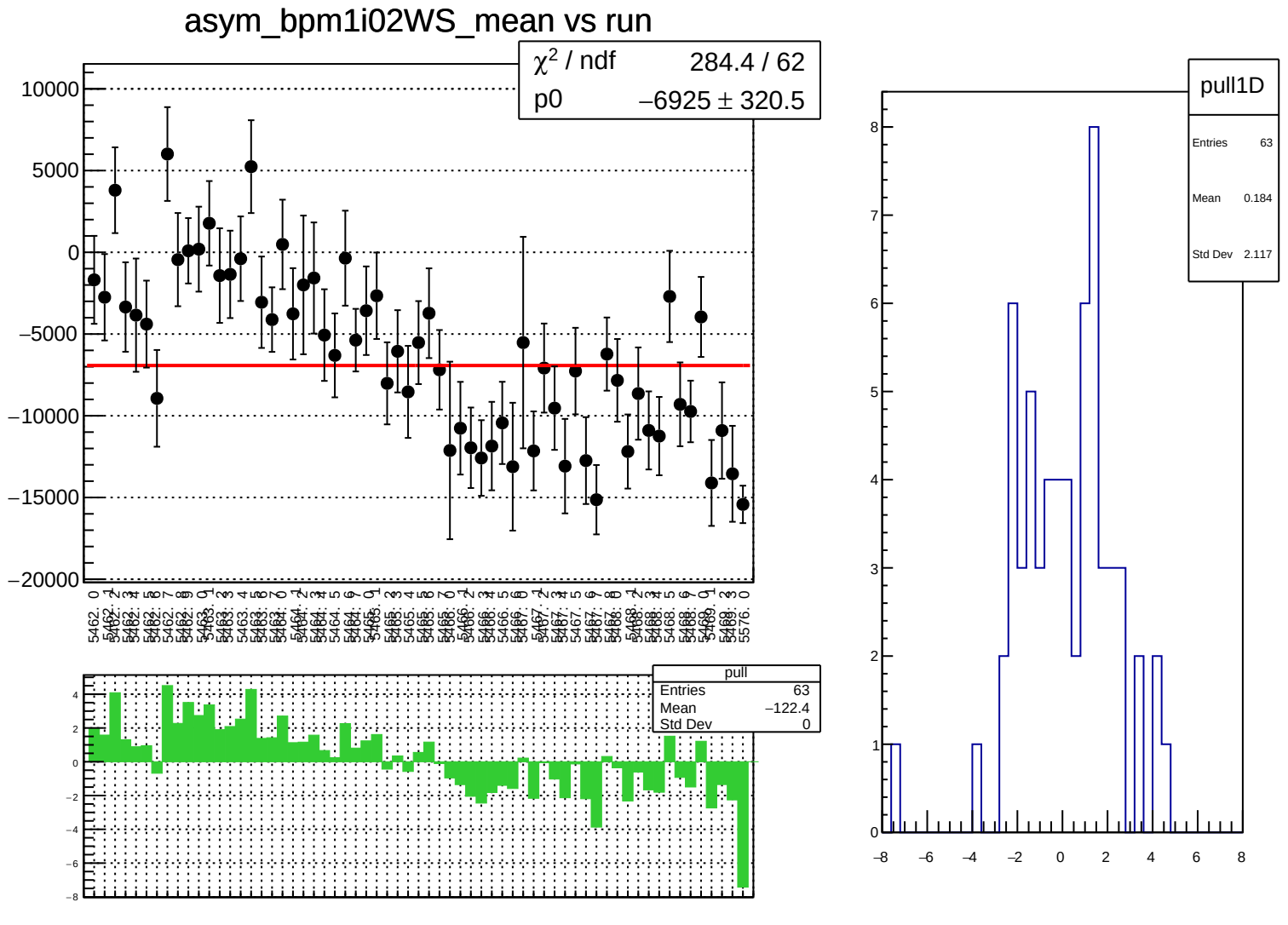

pull1D
Entries 63
Mean 0.009508
Std Dev 1.616

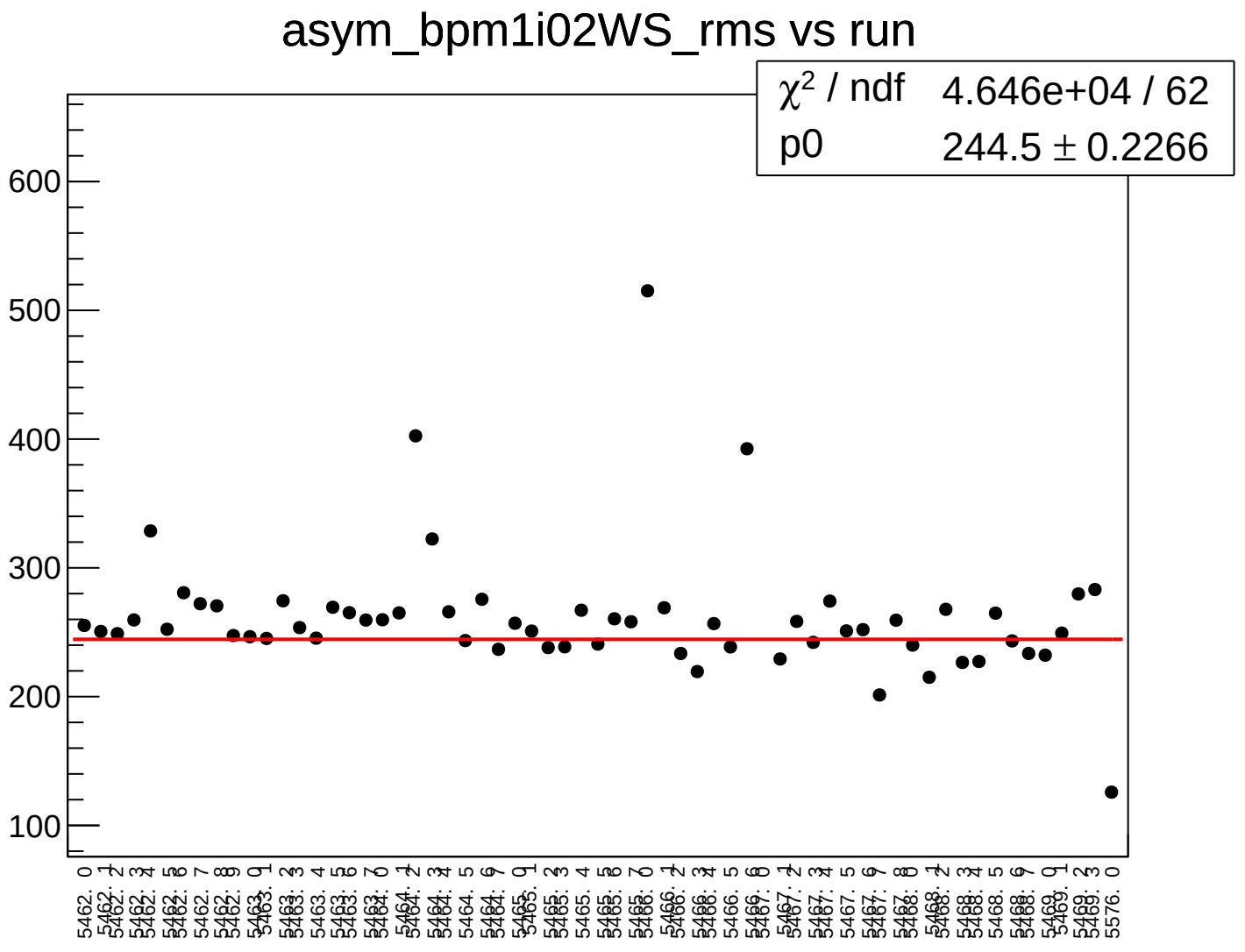

asym_bpm0i05WS_rms vs run
χ^2 / ndf 1.516e+04 / 62
p0 311 ± 0.2844
600
550
500
450
400
350
300
250
200

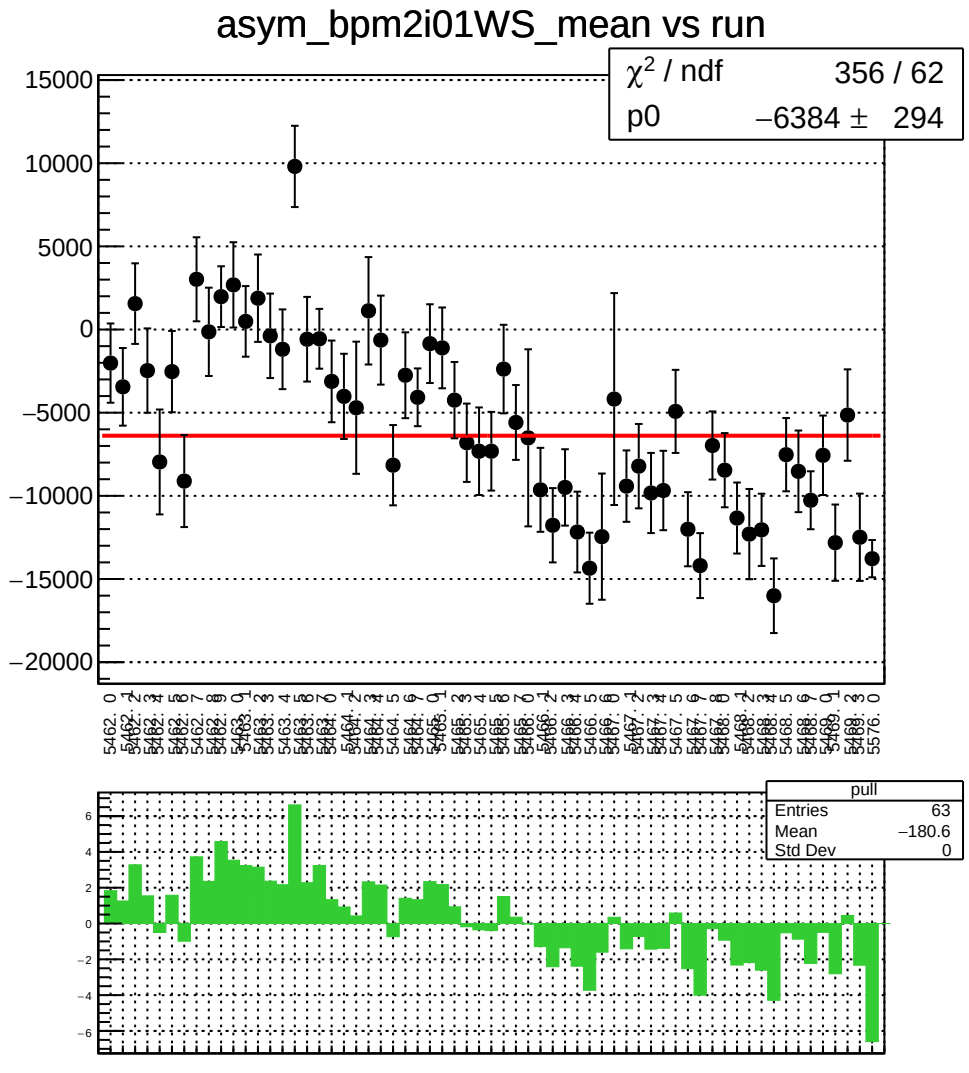

asym_bpm0i07WS_mean vs run
χ² / ndf 23.16 / 62
p0 −571 ± 430.5
pull
Entries 63
Mean −4.44
Std Dev 0

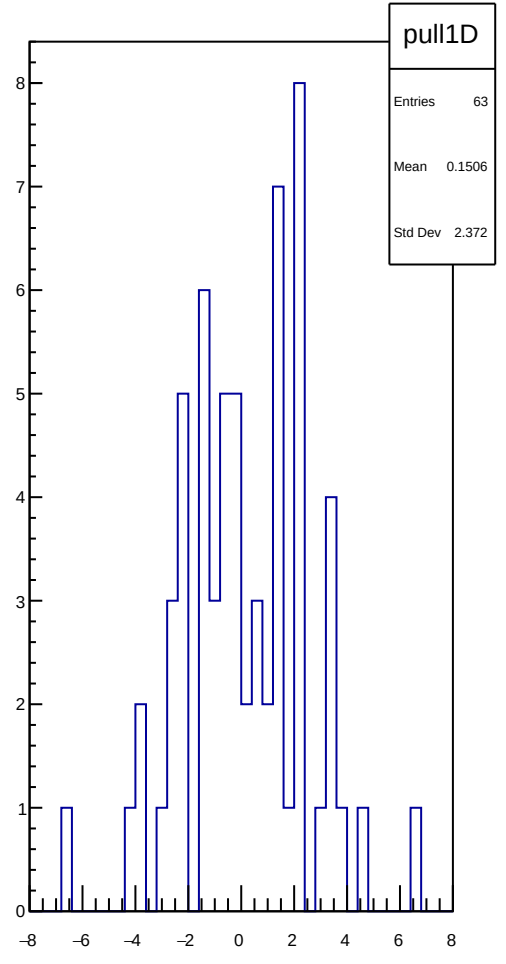

pull1D
Entries 63
Mean −0.0151
Std Dev 0.6062

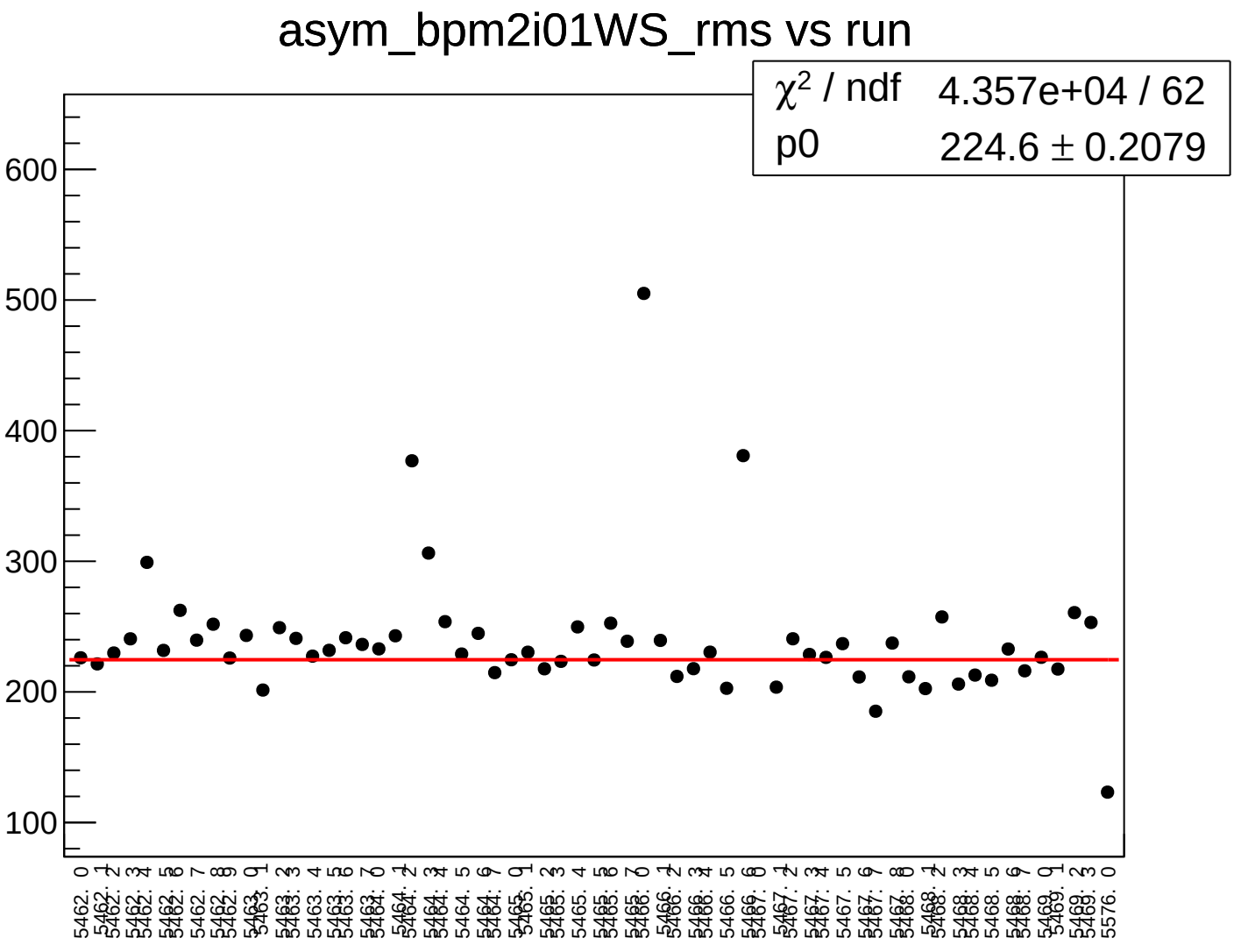

asym_bpm0i07WS_rms vs run
χ² / ndf 1.247e+04 / 62
p0 333.2 ± 0.3044
600
550
500
450
400
350
300
250

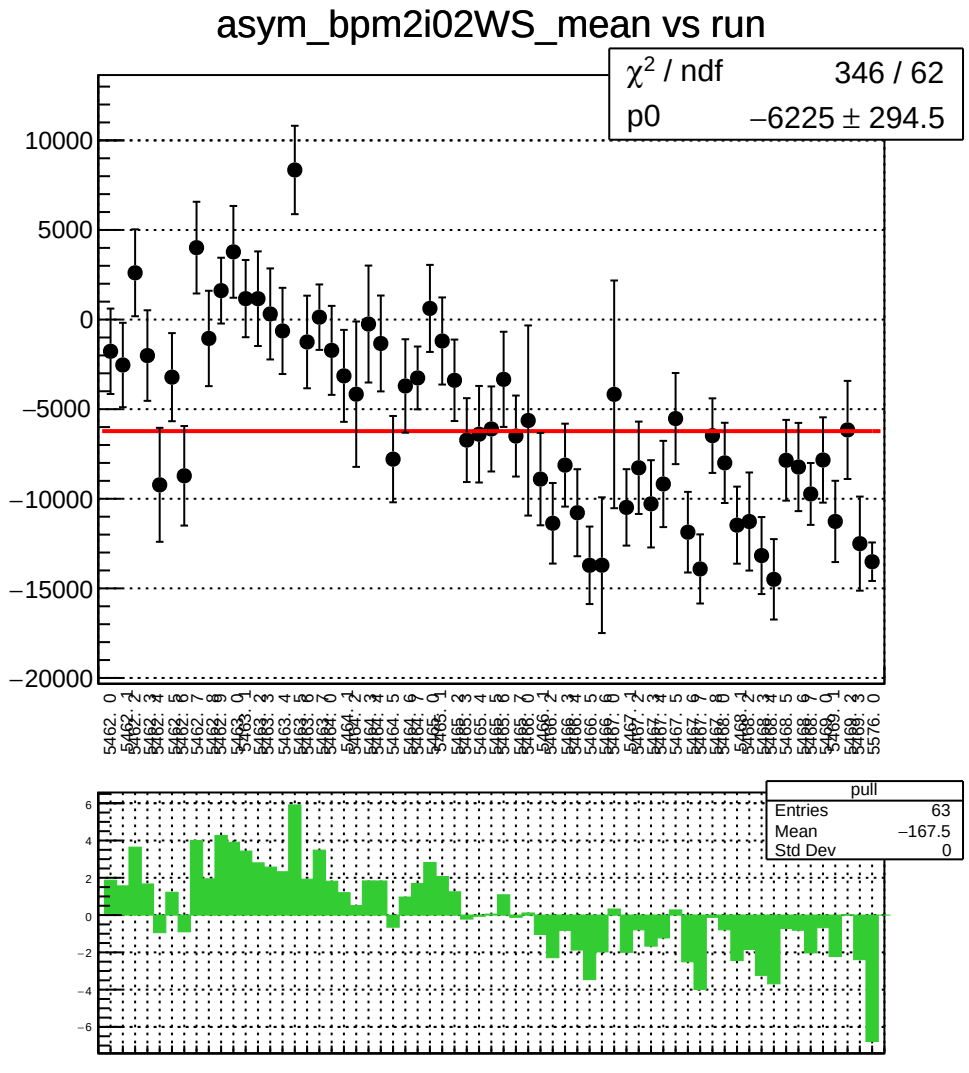

asym_bpm1i02WS_mean vs run
χ² / ndf 284.4 / 62
p0 −6925 ± 320.5
pull
Entries 63
Mean −122.4
Std Dev 0
pull1D
Entries 63
Mean 0.184
Std Dev 2.117

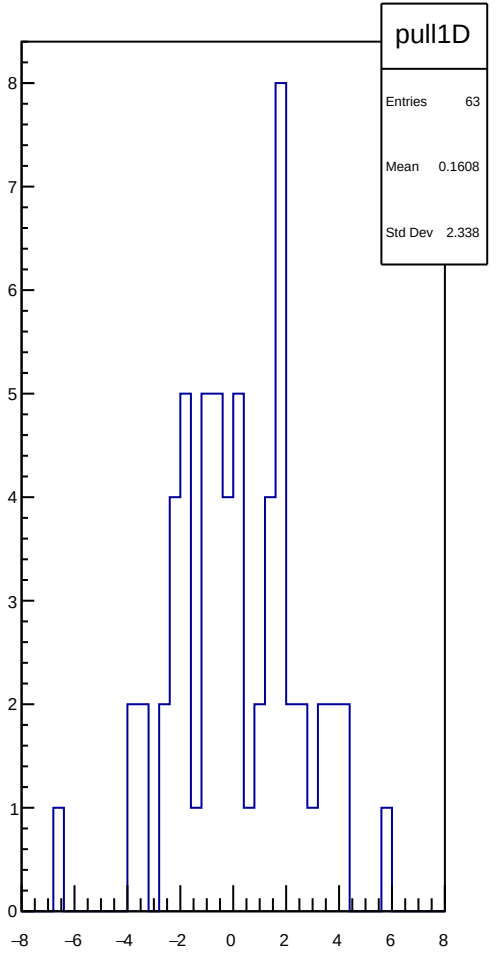

asym_bpm1i02WS_rms vs run
χ² / ndf 4.646e+04 / 62
p0 244.5 ± 0.2266
600
500
400
300
200
100

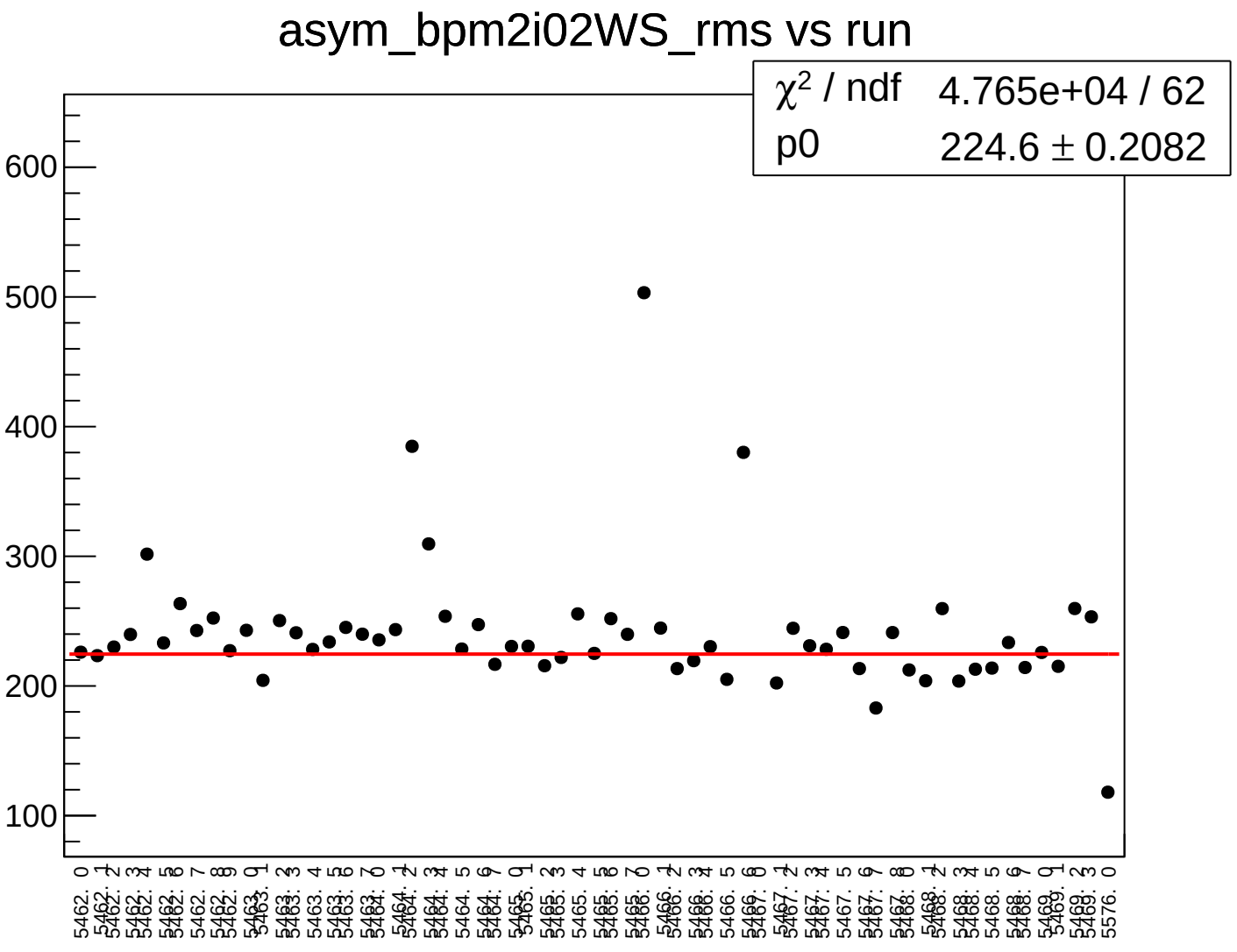

asym_bpm2i01WS_mean vs run
χ² / ndf 356 / 62
p0 −6384 ± 294
pull
Entries 63
Mean −180.6
Std Dev 0

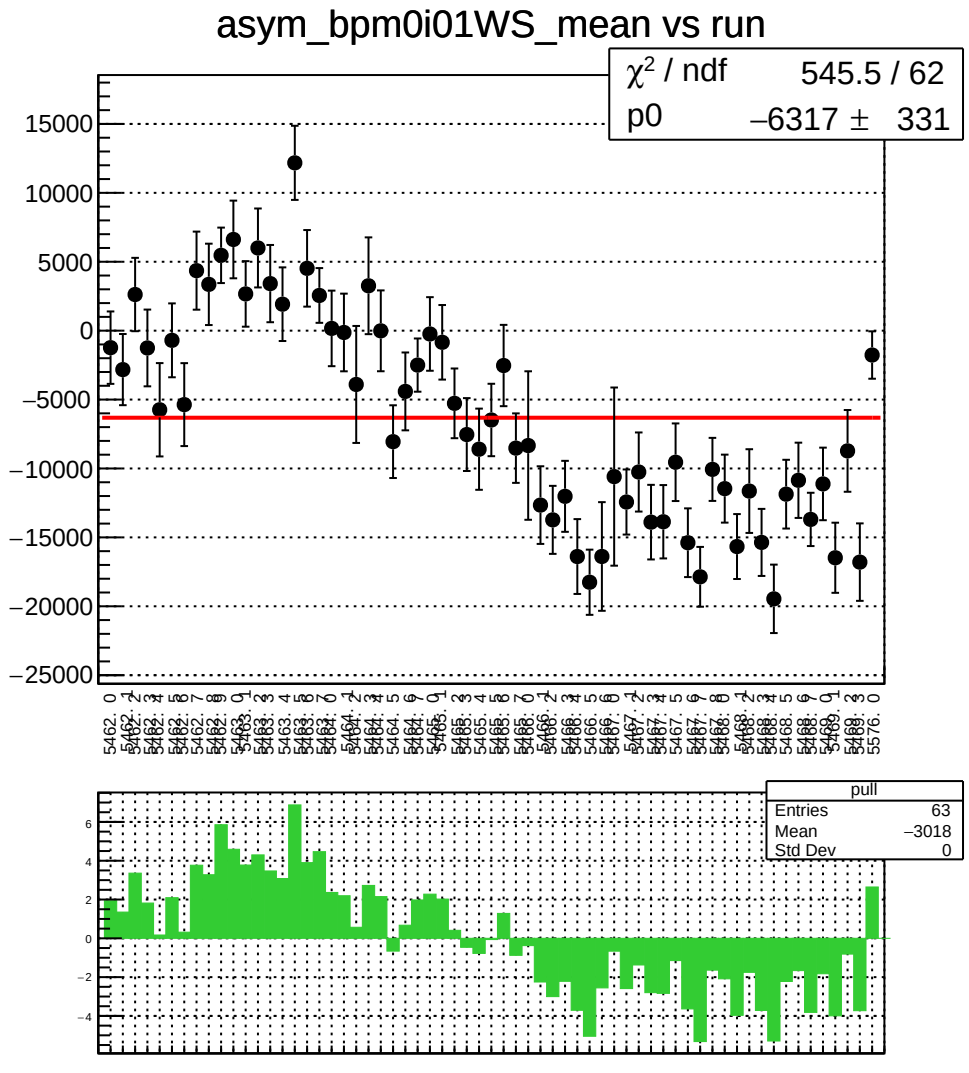

pull1D
Entries 63
Mean 0.1506
Std Dev 2.372

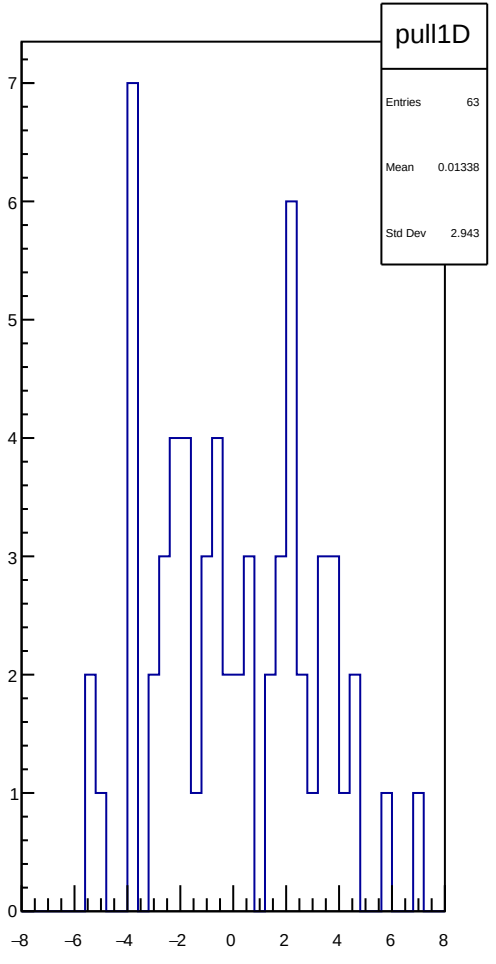

asym_bpm2i01WS_rms vs run
χ² / ndf 4.357e+04 / 62
p0 224.6 ± 0.2079
600
500
400
300
200
100

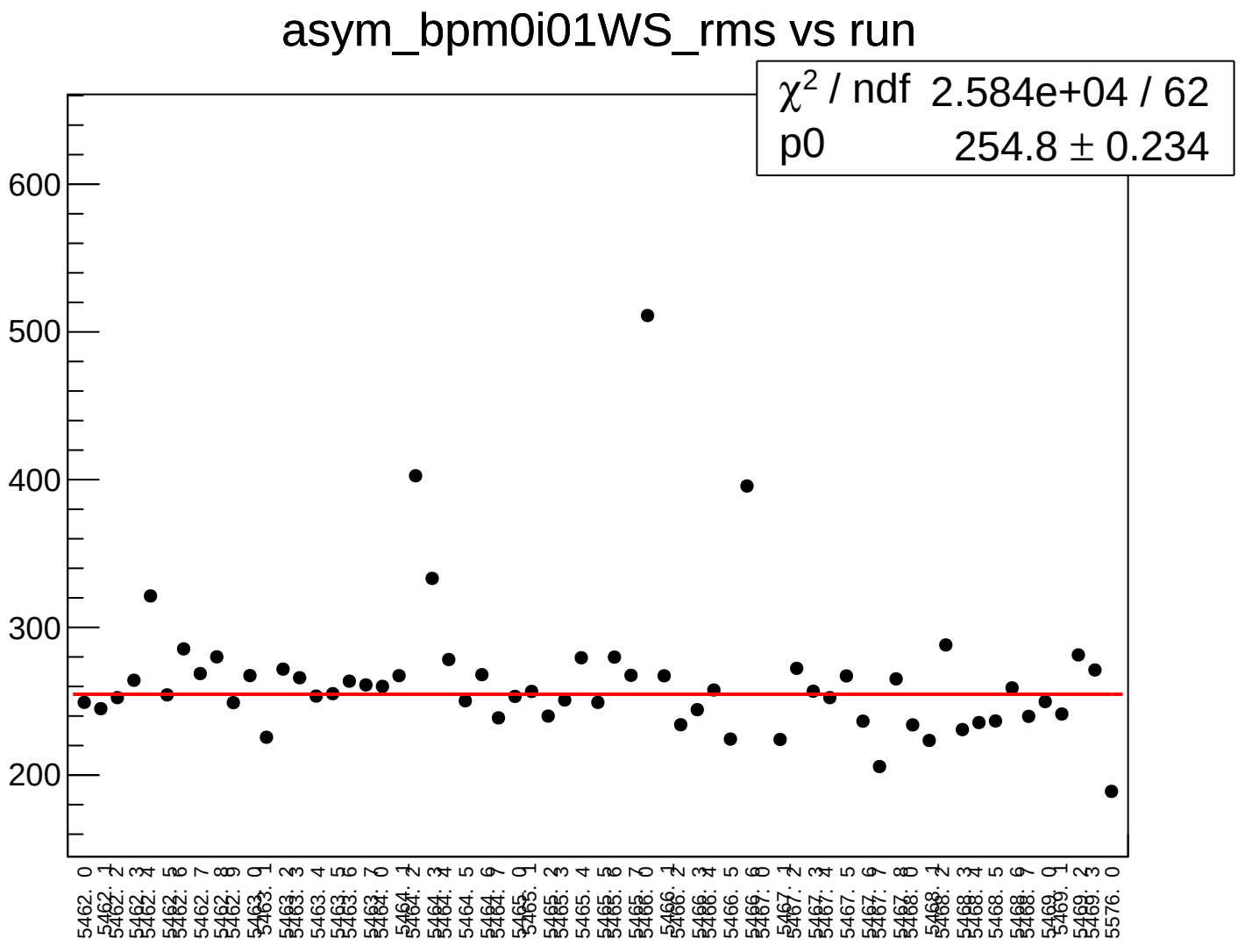

asym_bpm2i02WS_mean vs run
χ² / ndf 346 / 62
p0 −6225 ± 294.5
pull
Entries 63
Mean −167.5
Std Dev 0

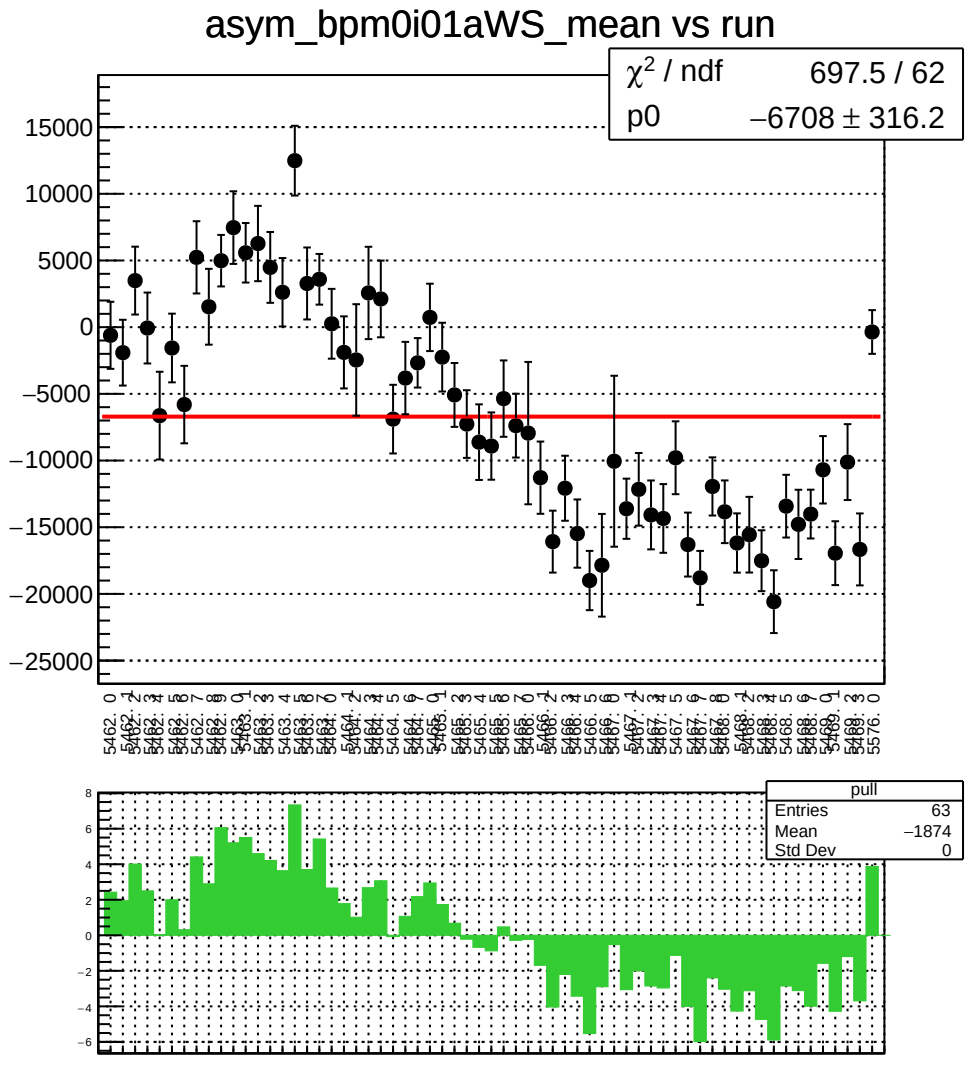

pull1D
Entries 63
Mean 0.1608
Std Dev 2.338

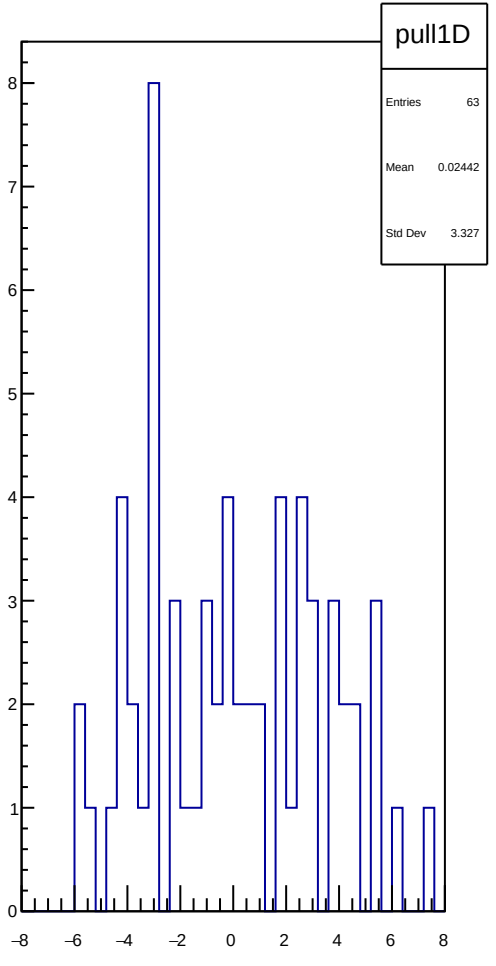

asym_bpm2i02WS_rms vs run
χ^2 / ndf 4.765e+04 / 62
p0 224.6 ± 0.2082
600
500
400
300
200
100

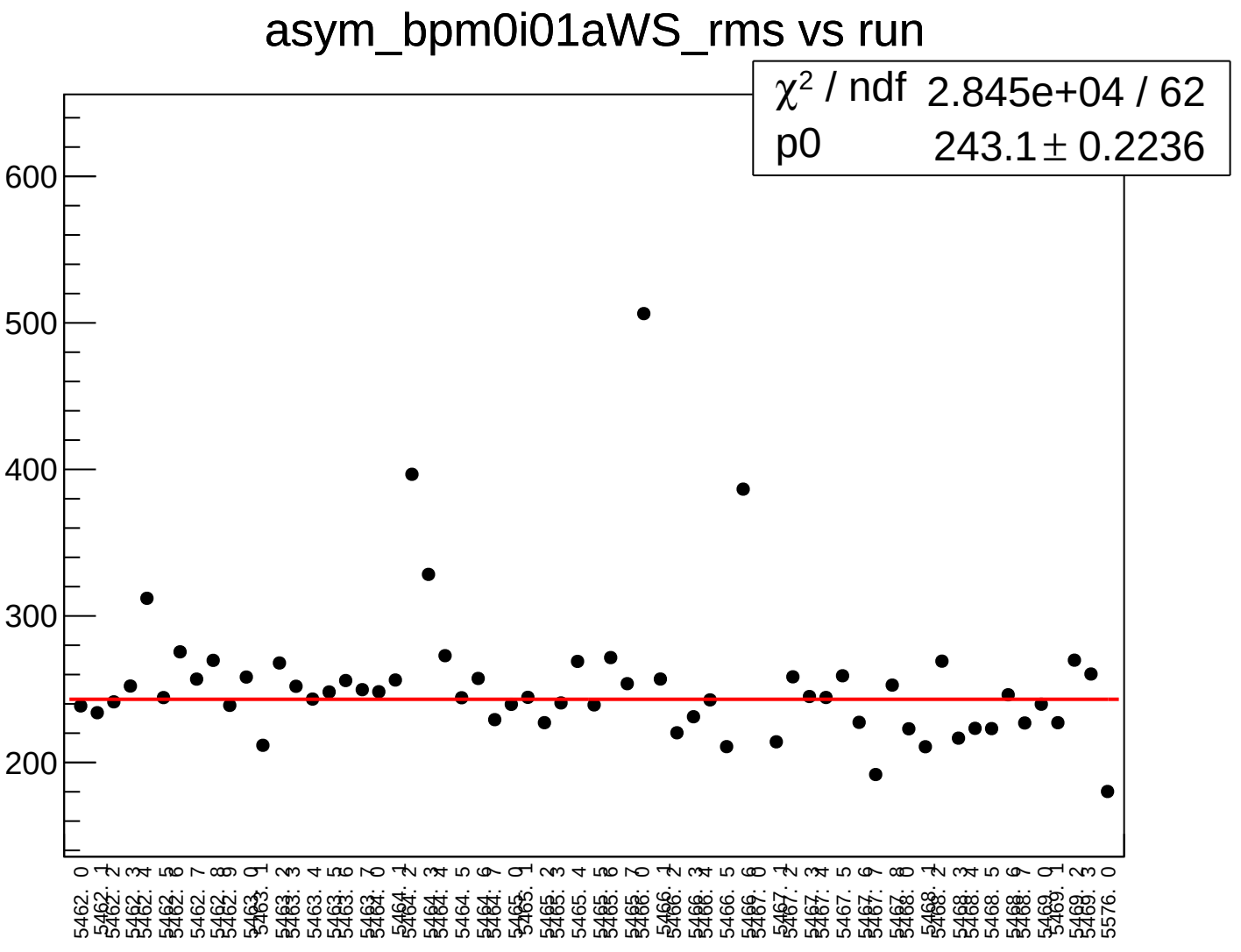

asym_bpm0i01WS_mean vs run
χ² / ndf 545.5 / 62
p0 −6317 ± 331
pull
Entries 63
Mean −3018
Std Dev 0

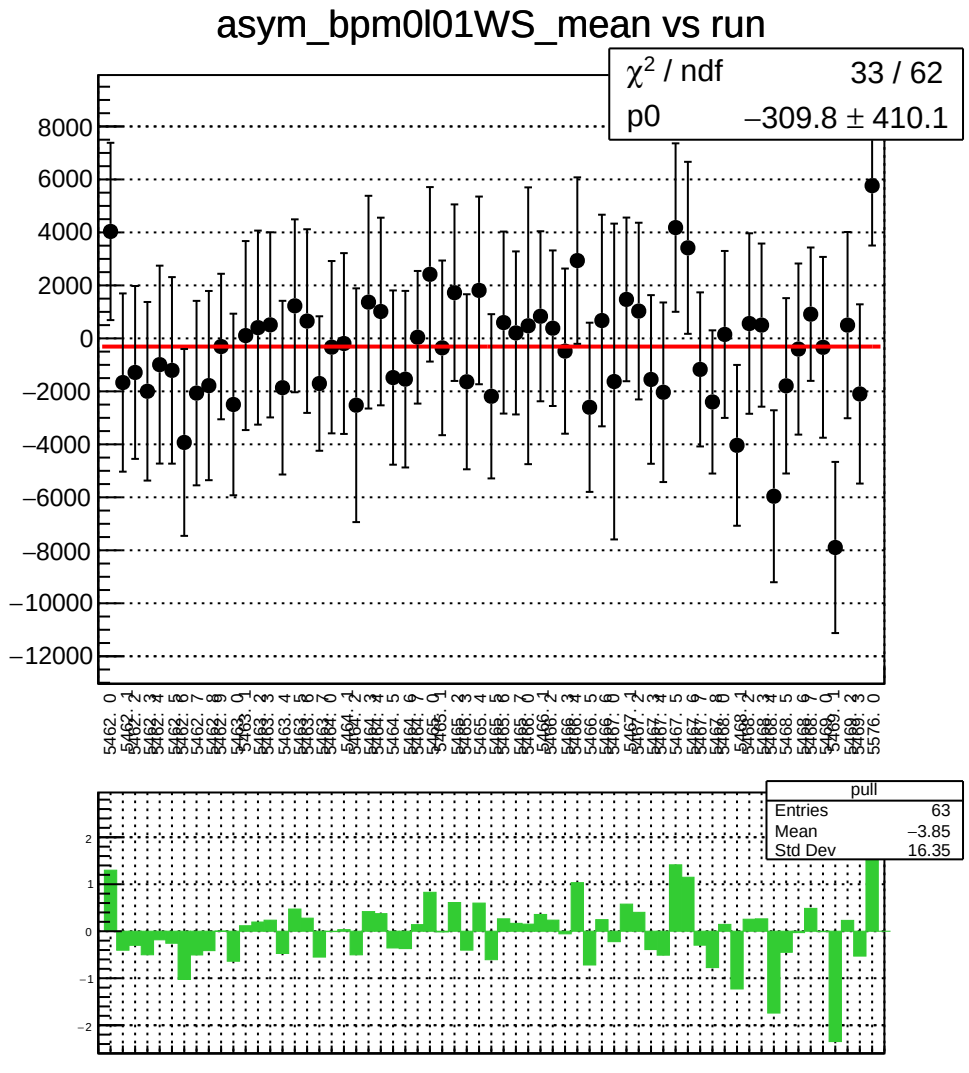

pull1D
Entries 63
Mean 0.01338
Std Dev 2.943

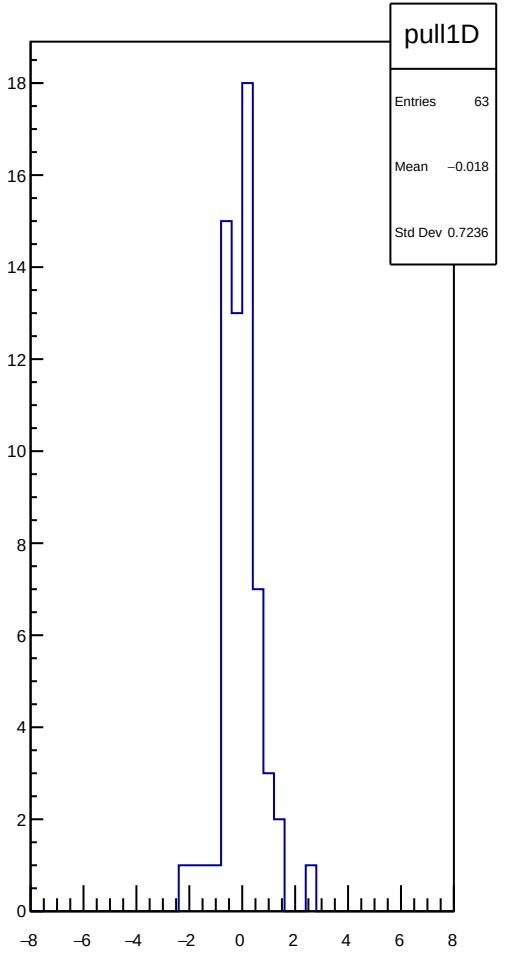

asym_bpm0i01WS_rms vs run
χ² / ndf 2.584e+04 / 62
p0 254.8 ± 0.234
600
500
400
300
200

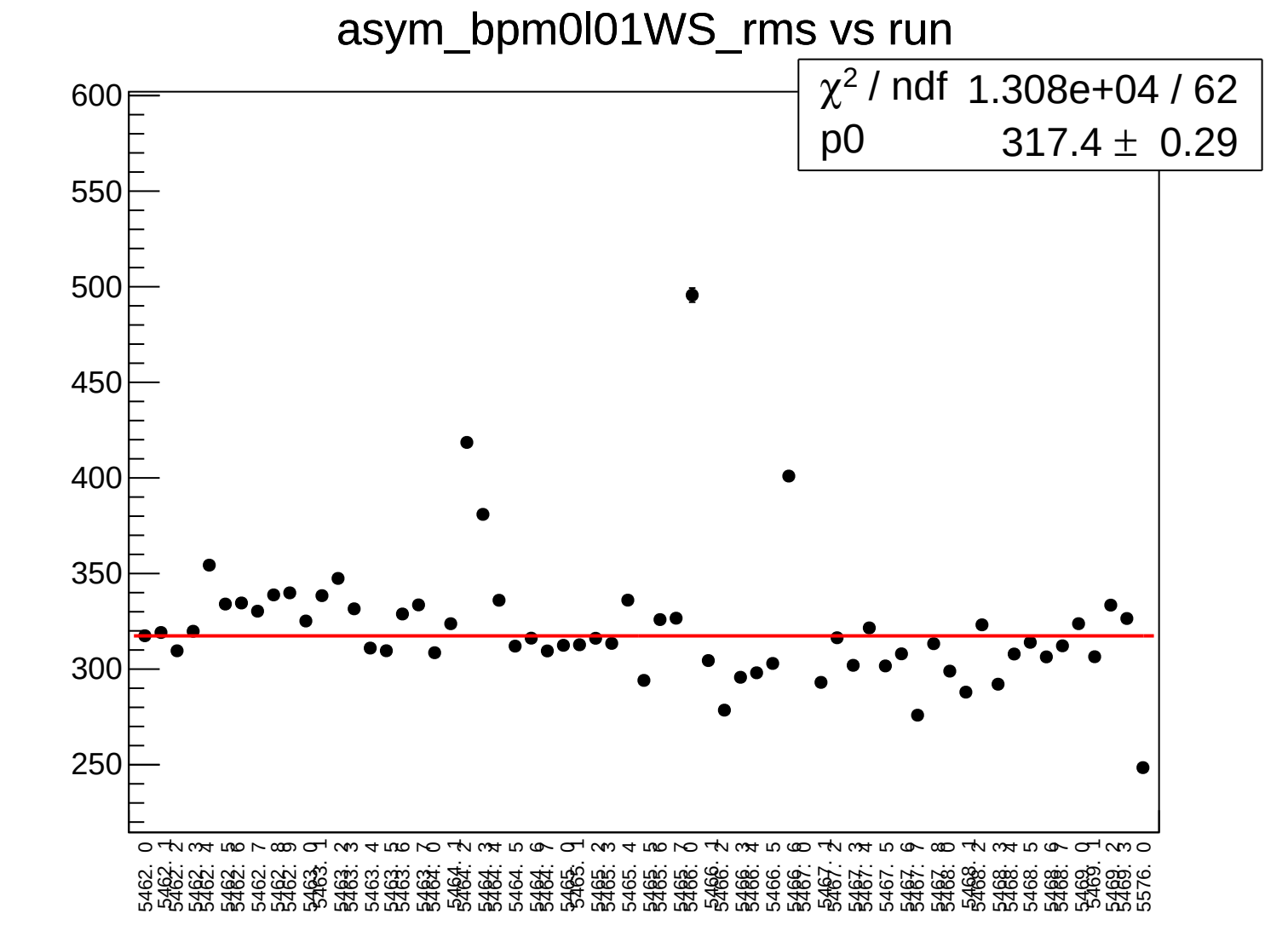

asym_bpm0i01aWS_mean vs run
χ² / ndf 697.5 / 62
p0 −6708 ± 316.2
pull
Entries 63
Mean −1874
Std Dev 0

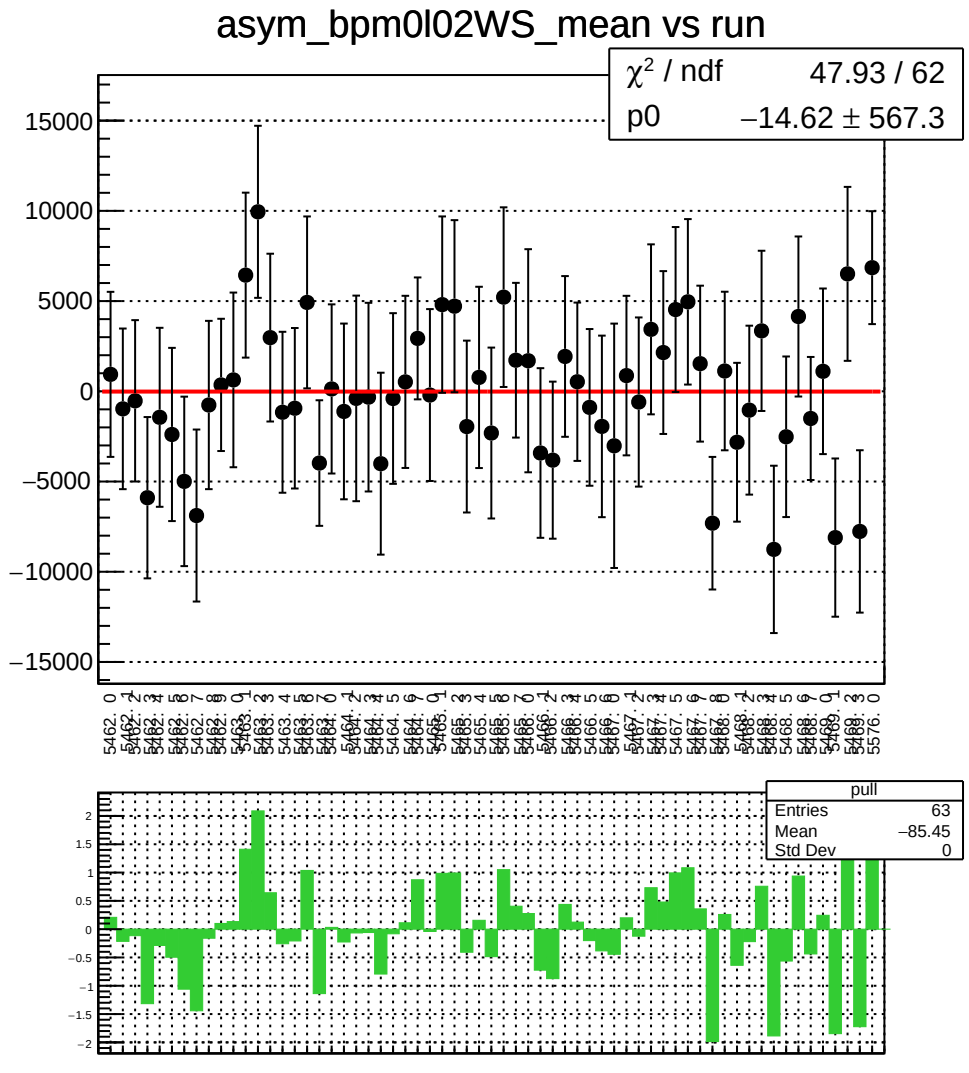

pull1D
Entries 63
Mean 0.02442
Std Dev 3.327

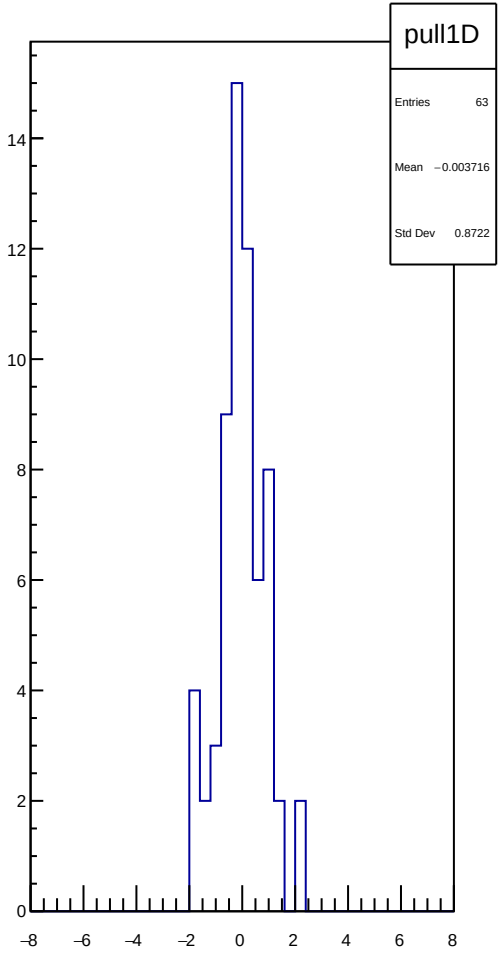

asym_bpm0i01aWS_rms vs run
χ² / ndf 2.845e+04 / 62
p0 243.1 ± 0.2236
600
500
400
300
200

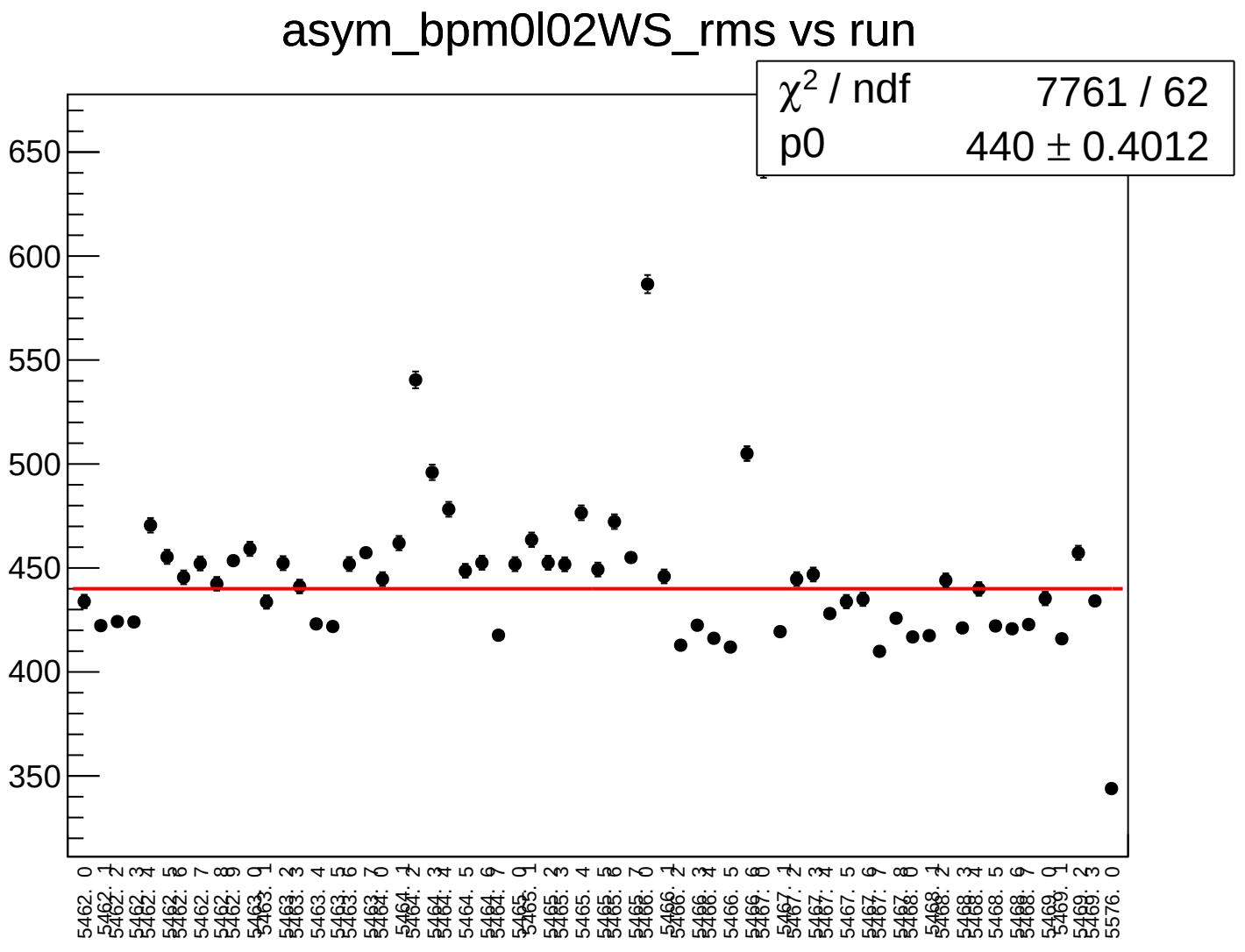

asym_bpm0l01WS_mean vs run
χ² / ndf 33 / 62
p0 −309.8 ± 410.1
pull
Entries 63
Mean −3.85
Std Dev 16.35

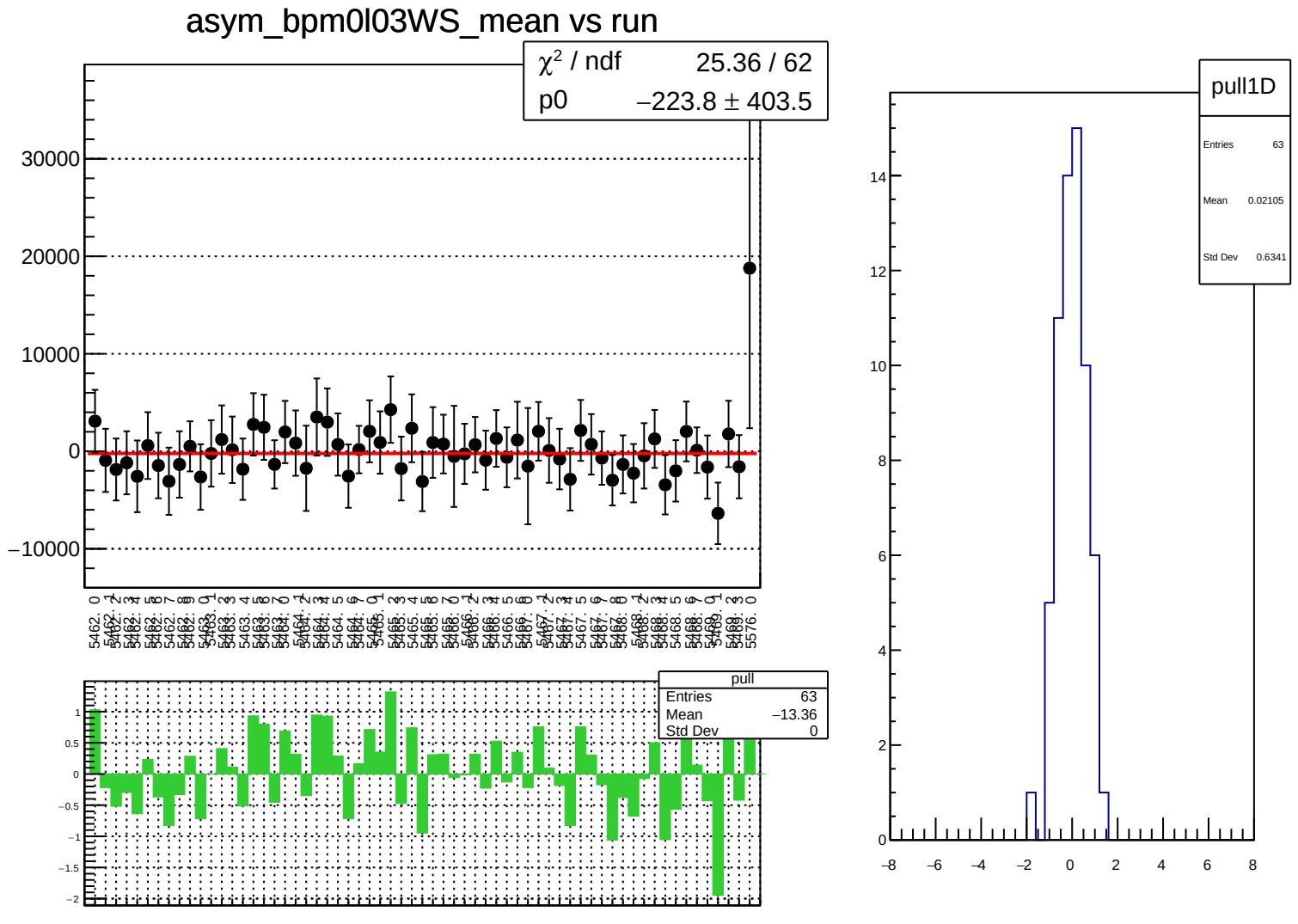

pull1D
Entries 63
Mean −0.018
Std Dev 0.7236

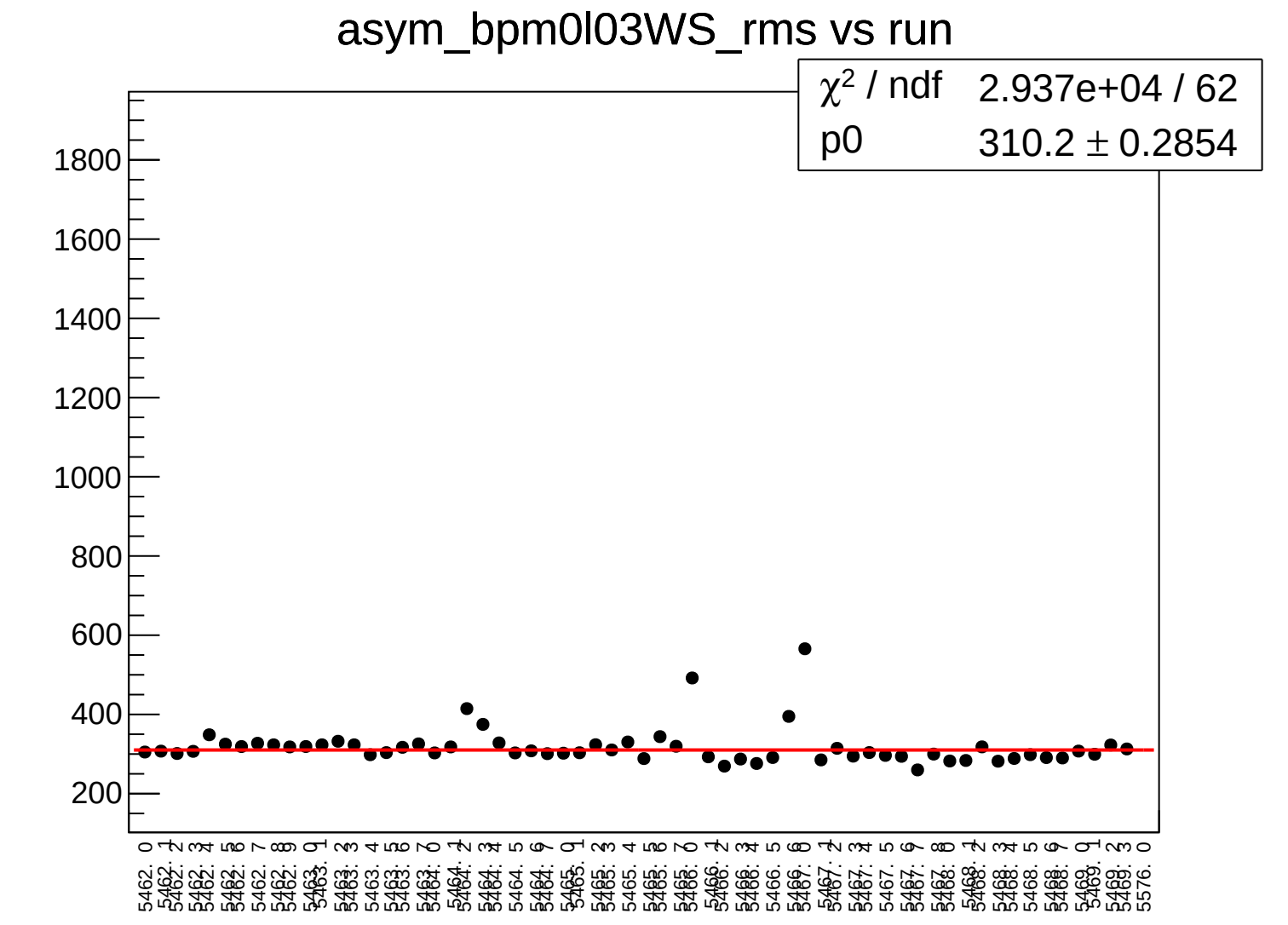

asym_bpm0l01WS_rms vs run
χ^2 / ndf 1.308e+04 / 62
p0 317.4 ± 0.29
600
550
500
450
400
350
300
250

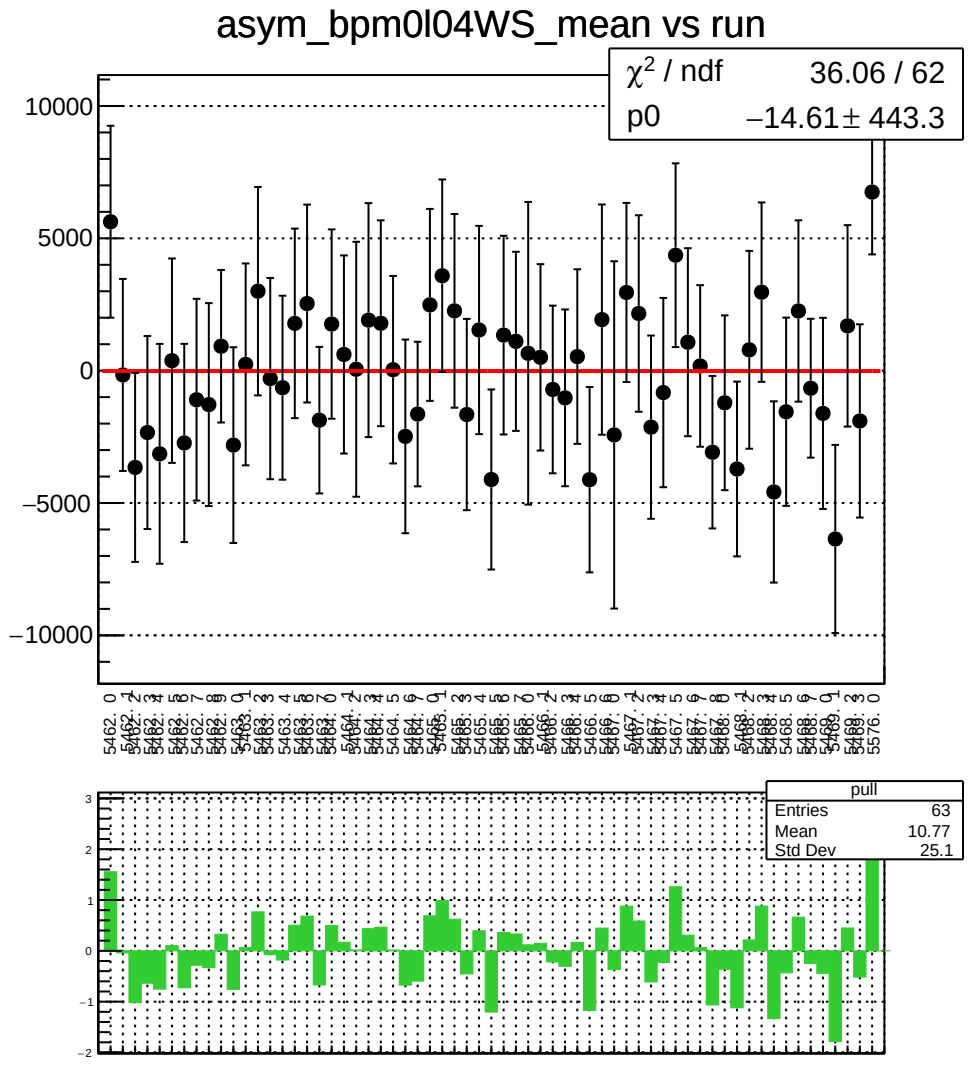

asym_bpm0l02WS_mean vs run
χ² / ndf 47.93 / 62
p0 −14.62 ± 567.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean −85.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

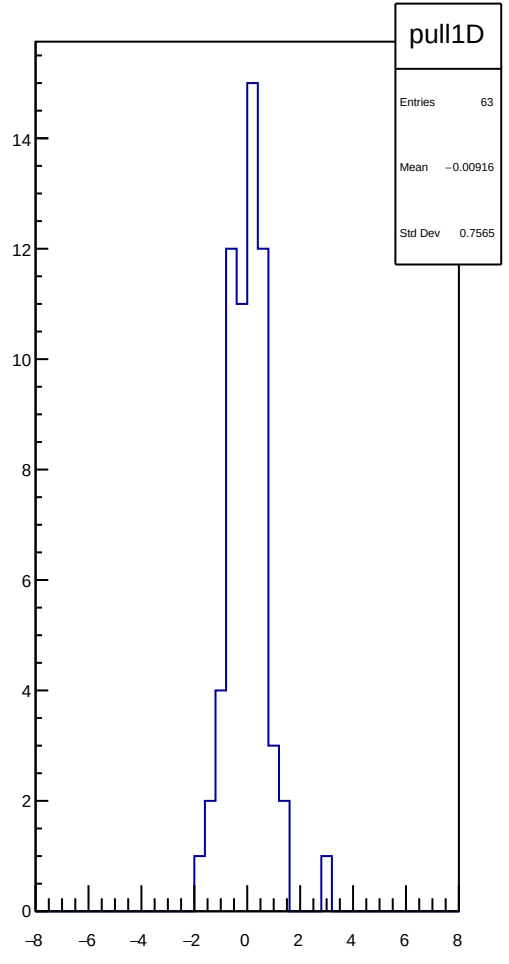

pull1D
Entries 63
Mean −0.003716
Std Dev 0.8722
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

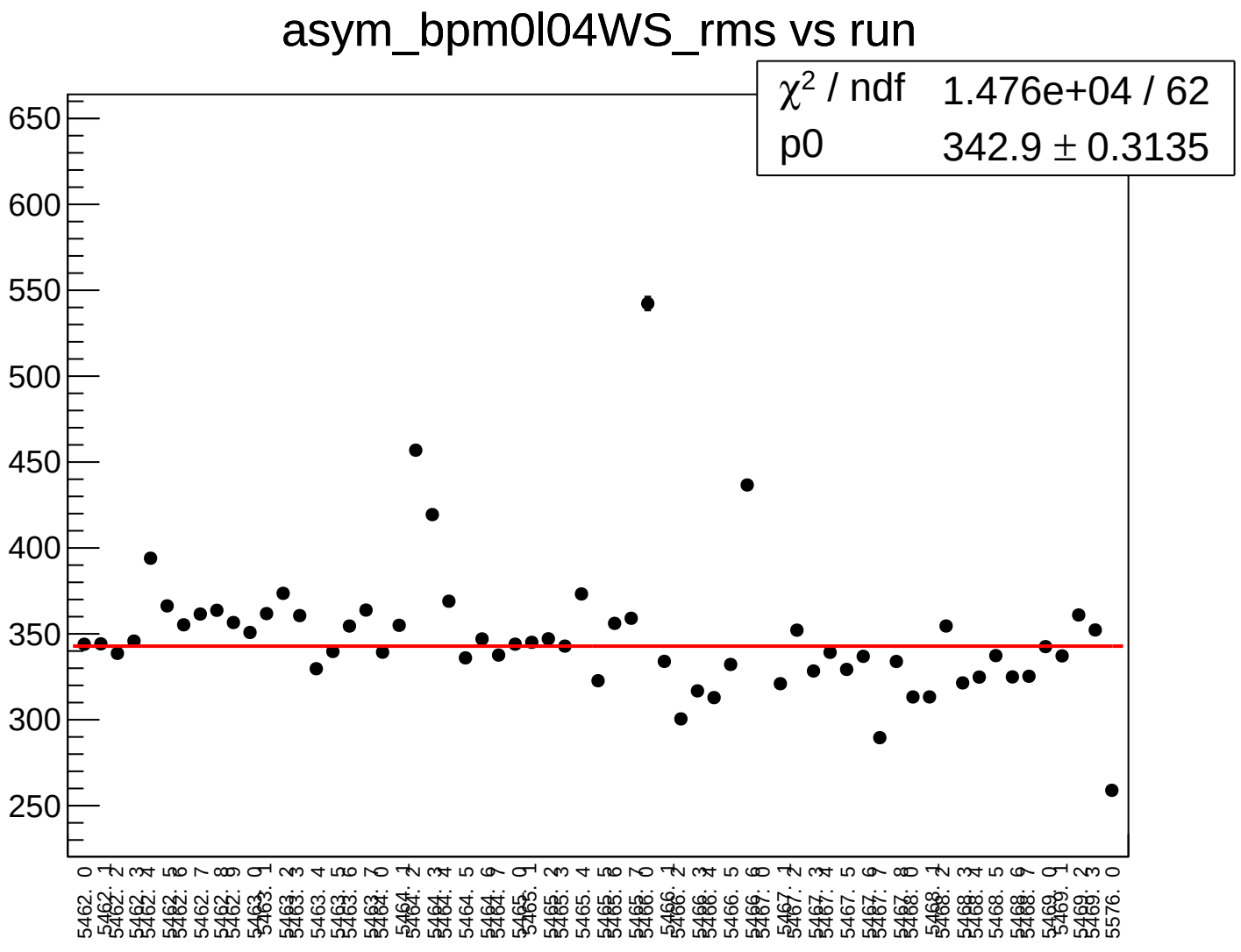

asym_bpm0l02WS_rms vs run
χ² / ndf 7761 / 62
p0 440 ± 0.4012
650
600
550
500
450
400
350

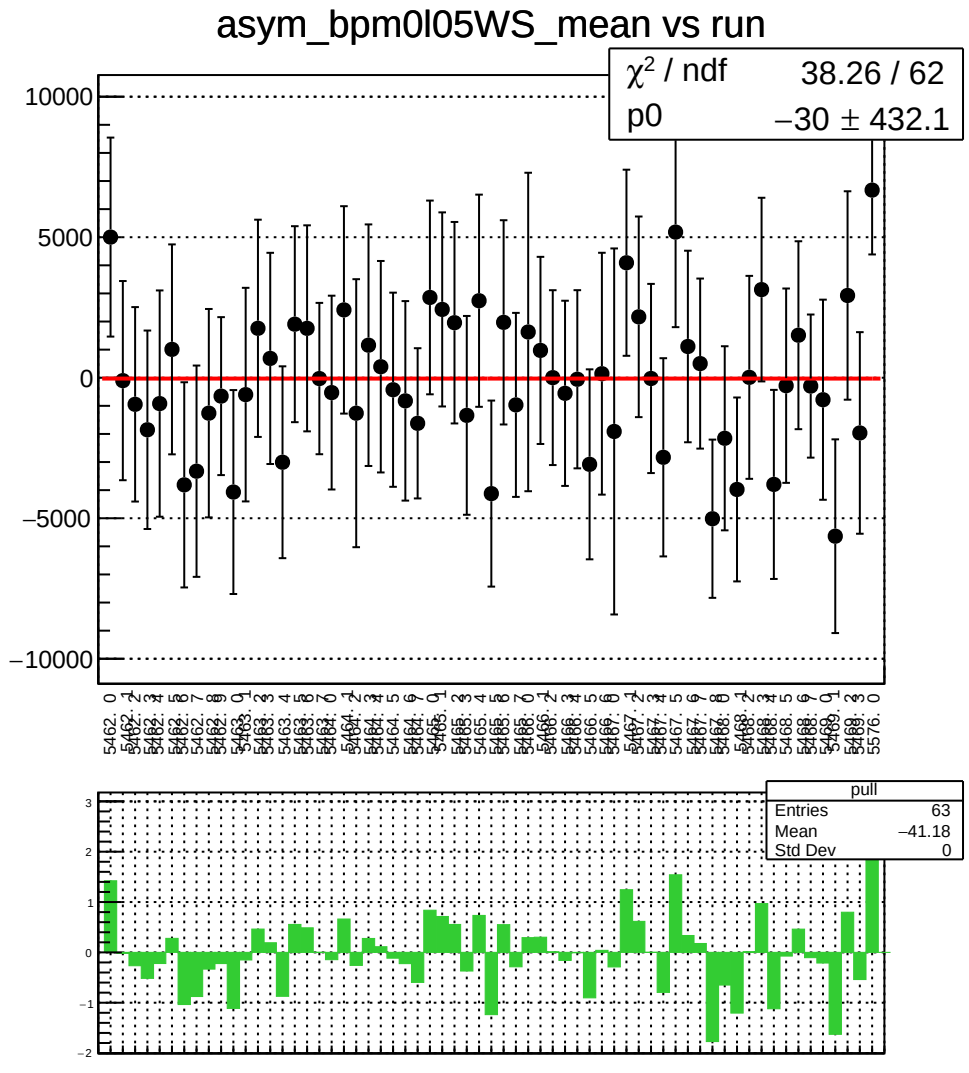

asym_bpm0l03WS_mean vs run
χ² / ndf 25.36 / 62
p0 −223.8 ± 403.5
30000
20000
10000
0
−10000
pull
Entries 63
Mean −13.36
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 63
Mean 0.02105
Std Dev 0.6341
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

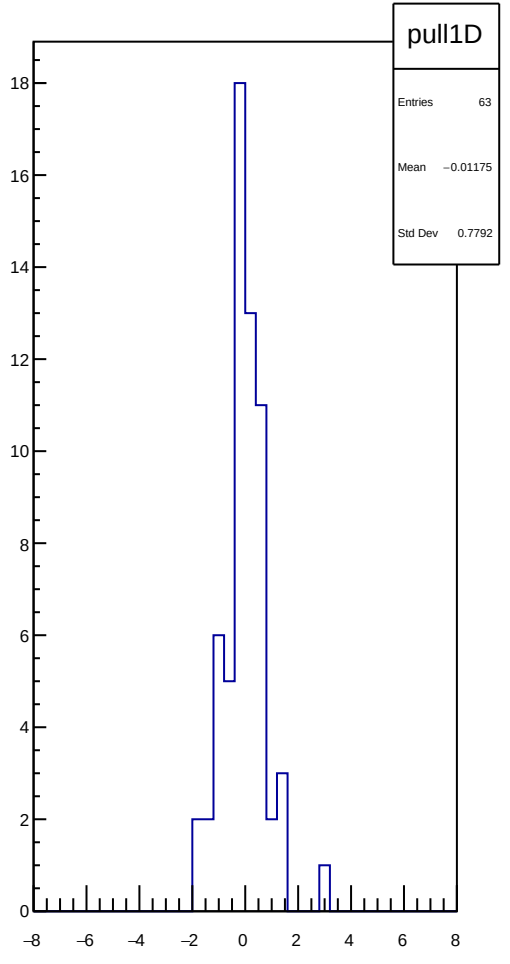

asym_bpm0l03WS_rms vs run
χ² / ndf 2.937e+04 / 62
p0 310.2 ± 0.2854
1800
1600
1400
1200
1000
800
600
400
200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

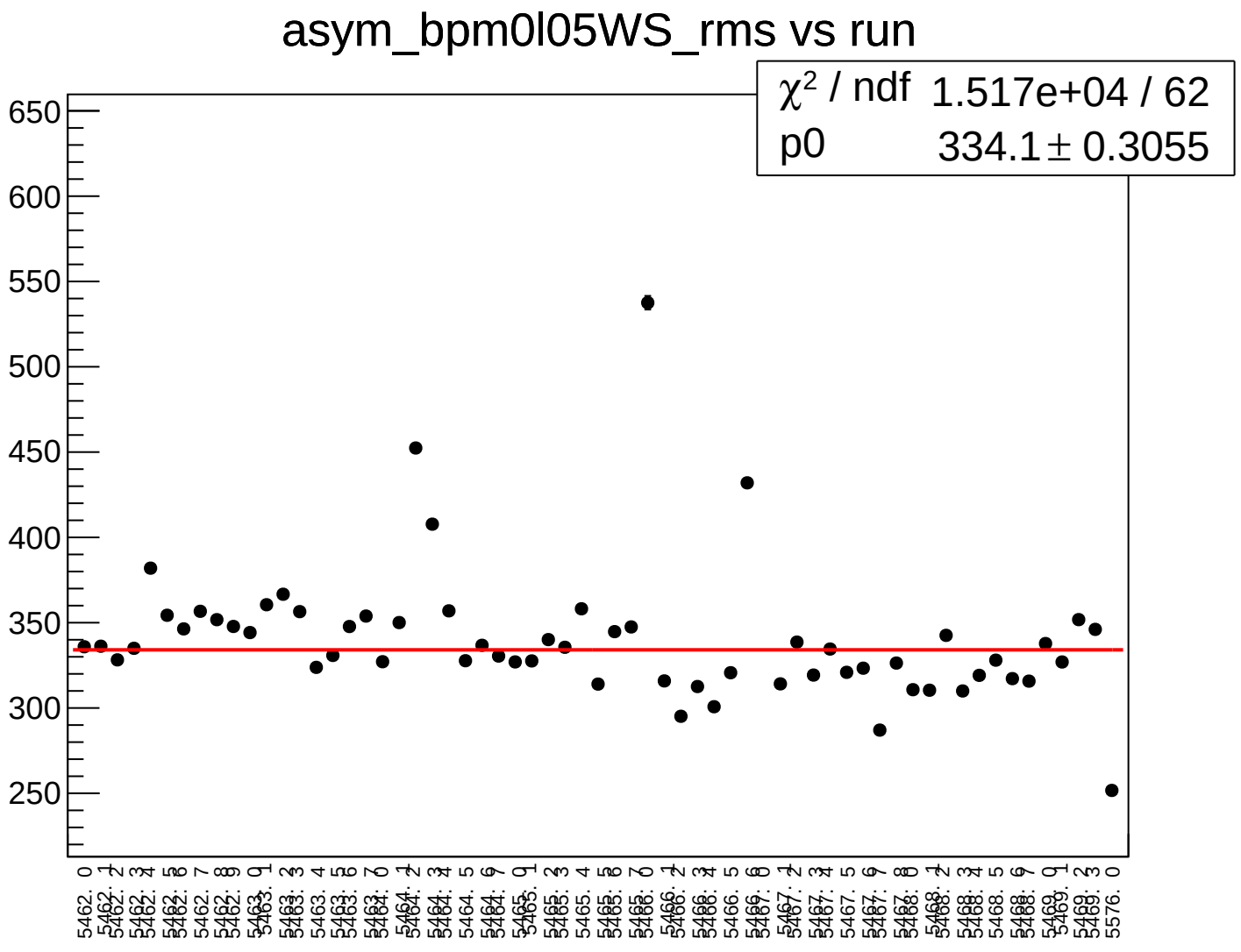

asym_bpm0l04WS_mean vs run
χ² / ndf 36.06 / 62
p0 −14.61 ± 443.3
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 10.77
Std Dev 25.1
3
2
1
0
−1
−2

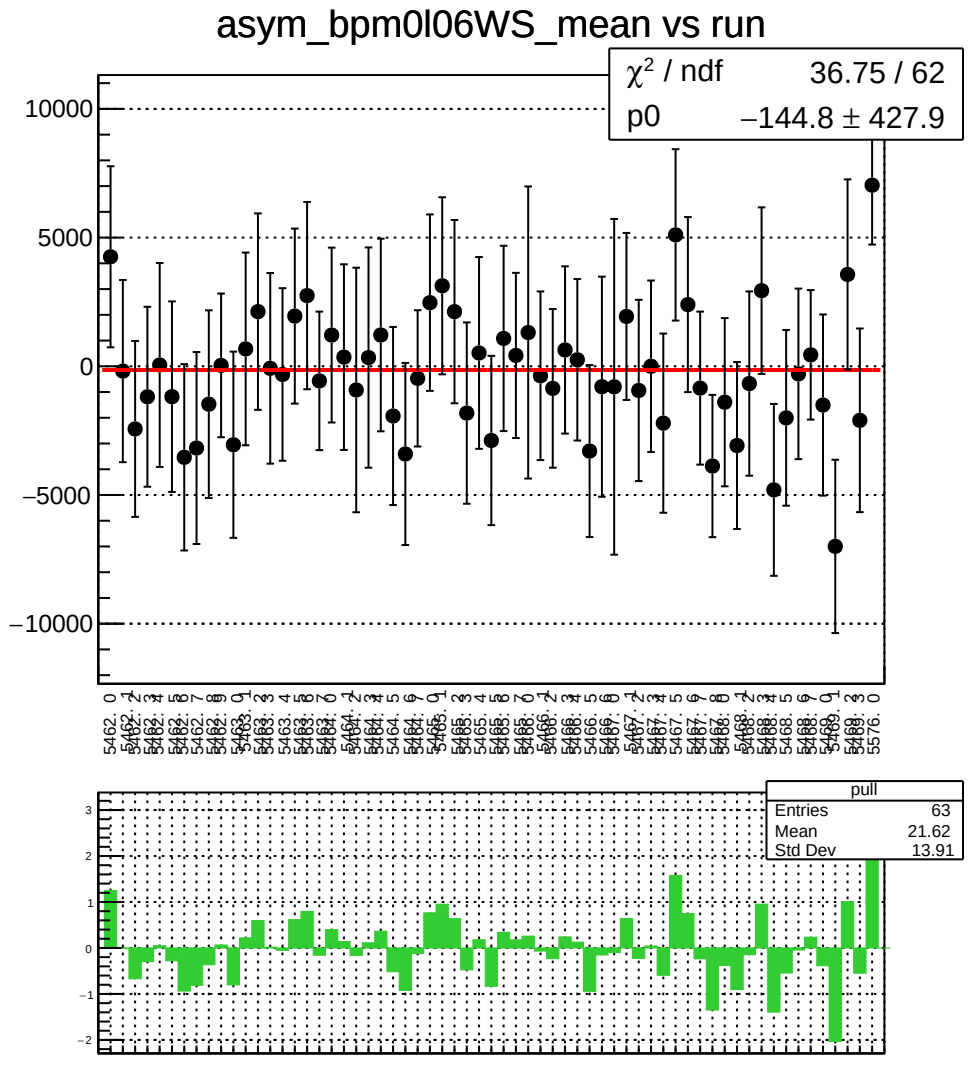

pull1D
Entries 63
Mean −0.00916
Std Dev 0.7565
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

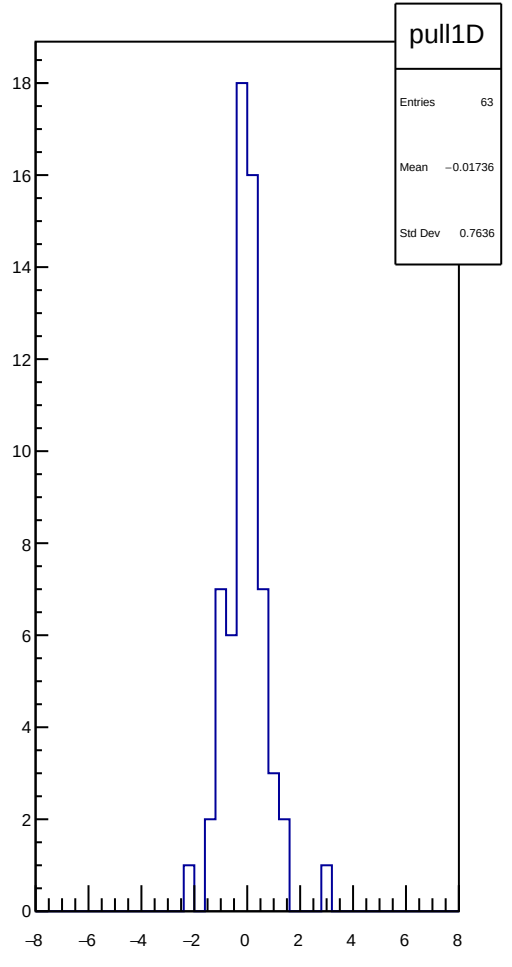

asym_bpm0l04WS_rms vs run
χ² / ndf 1.476e+04 / 62
p0 342.9 ± 0.3135
650
600
550
500
450
400
350
300
250

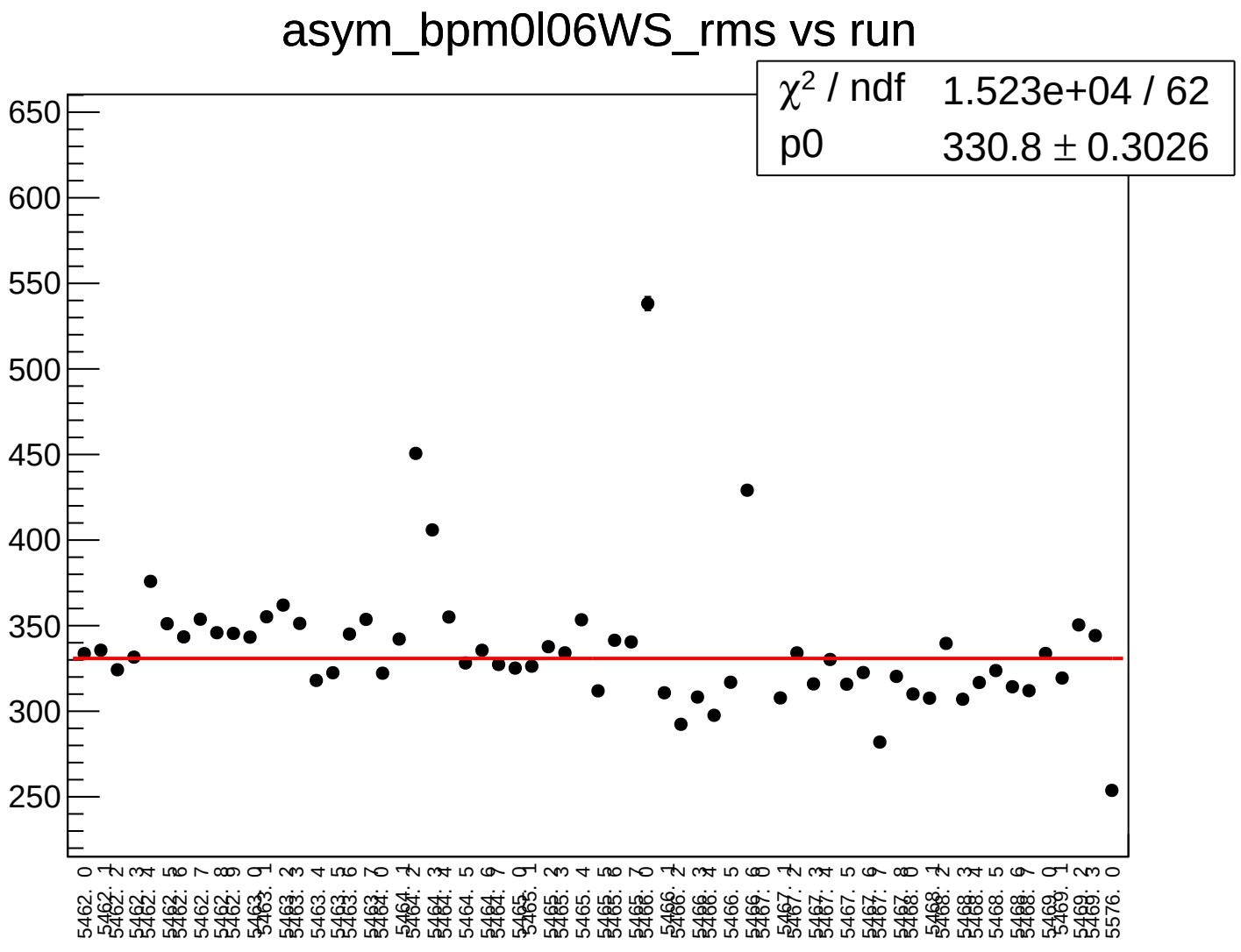

asym_bpm0l05WS_mean vs run
χ² / ndf 38.26 / 62
p0 −30 ± 432.1
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −41.18
Std Dev 0
3
2
1
0
−1
−2

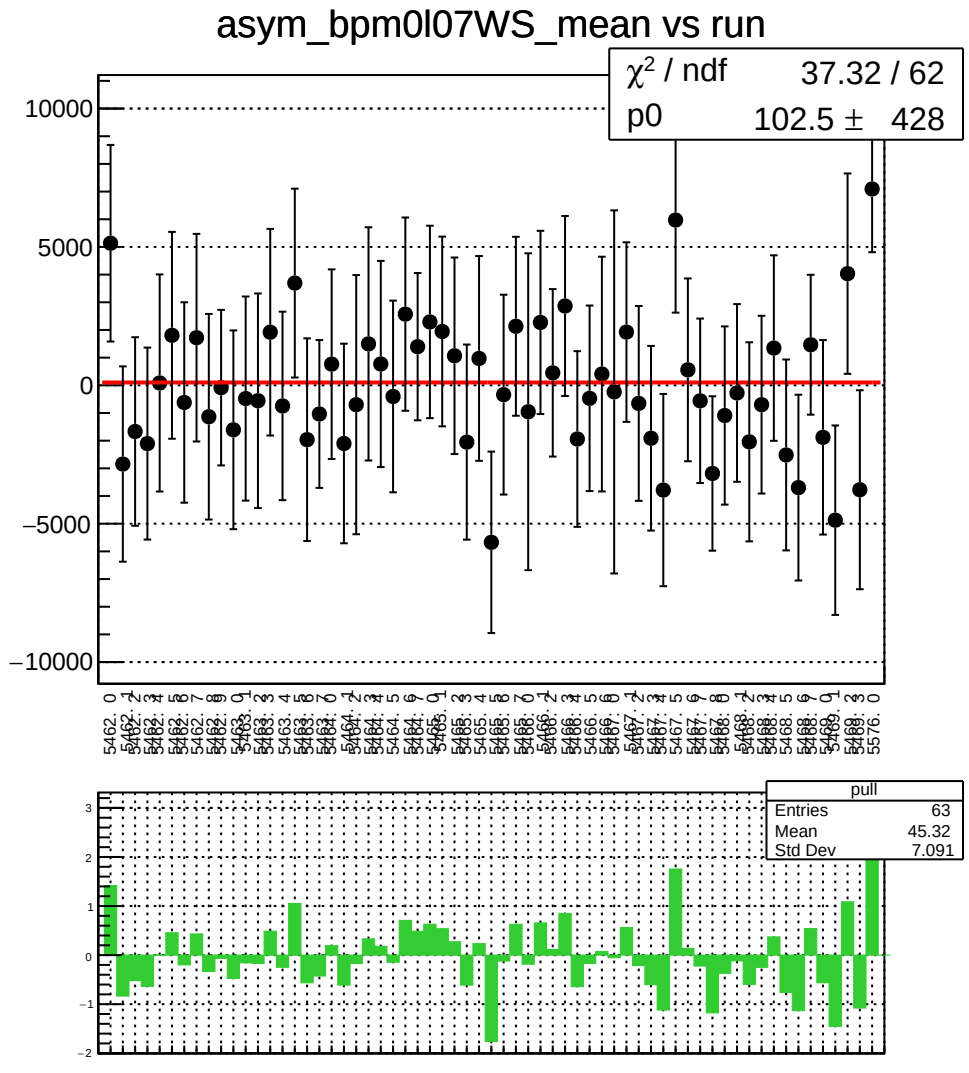

pull1D
Entries 63
Mean −0.01175
Std Dev 0.7792
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

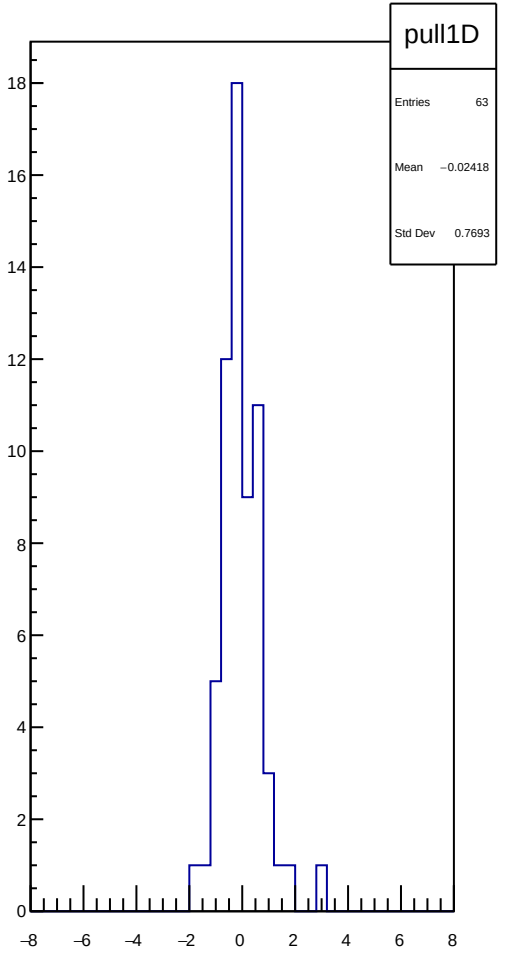

asym_bpm0l05WS_rms vs run
χ² / ndf 1.517e+04 / 62
p0 334.1 ± 0.3055
650
600
550
500
450
400
350
300
250

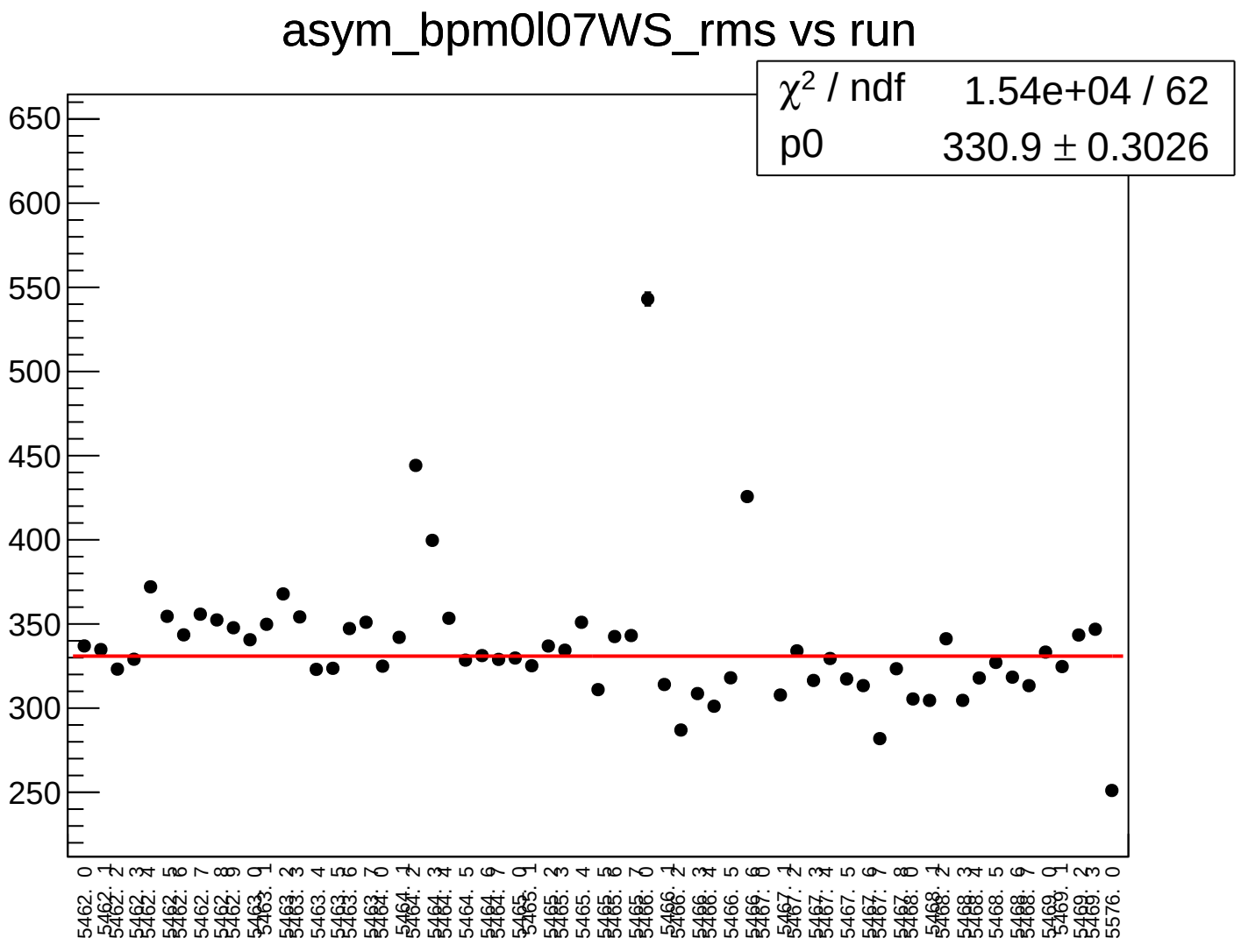

asym_bpm0l06WS_mean vs run
χ² / ndf 36.75 / 62
p0 −144.8 ± 427.9
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 21.62
Std Dev 13.91
3
2
1
0
−1
−2

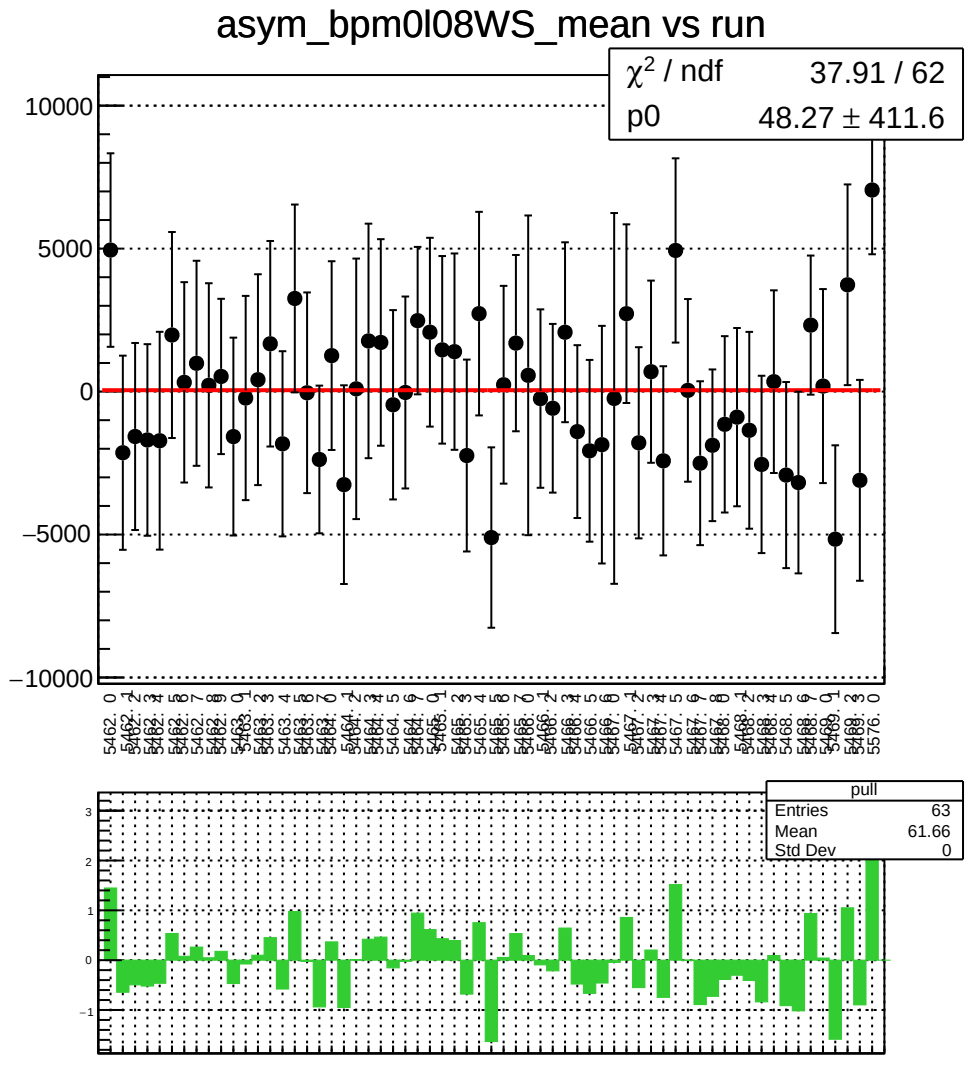

pull1D
Entries 63
Mean −0.01736
Std Dev 0.7636
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

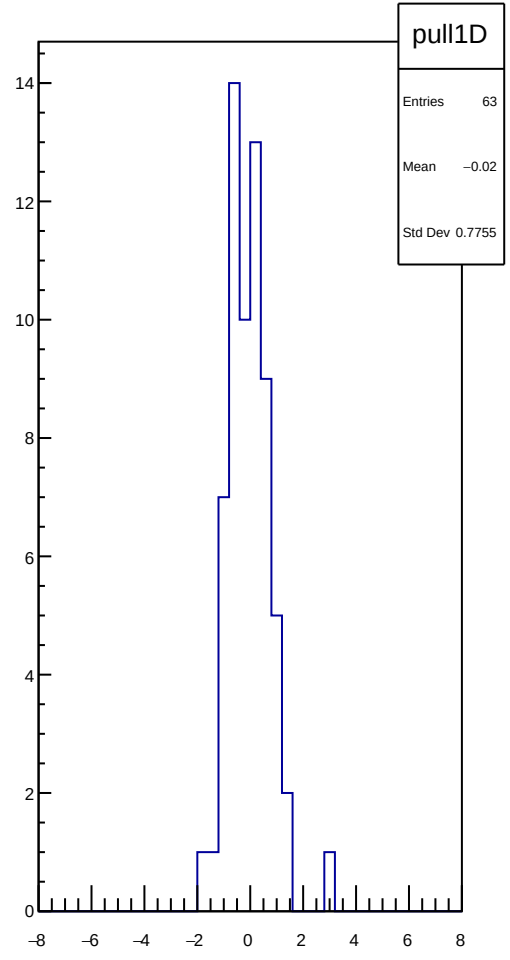

asym_bpm0l06WS_rms vs run
χ² / ndf 1.523e+04 / 62
p0 330.8 ± 0.3026
650
600
550
500
450
400
350
300
250

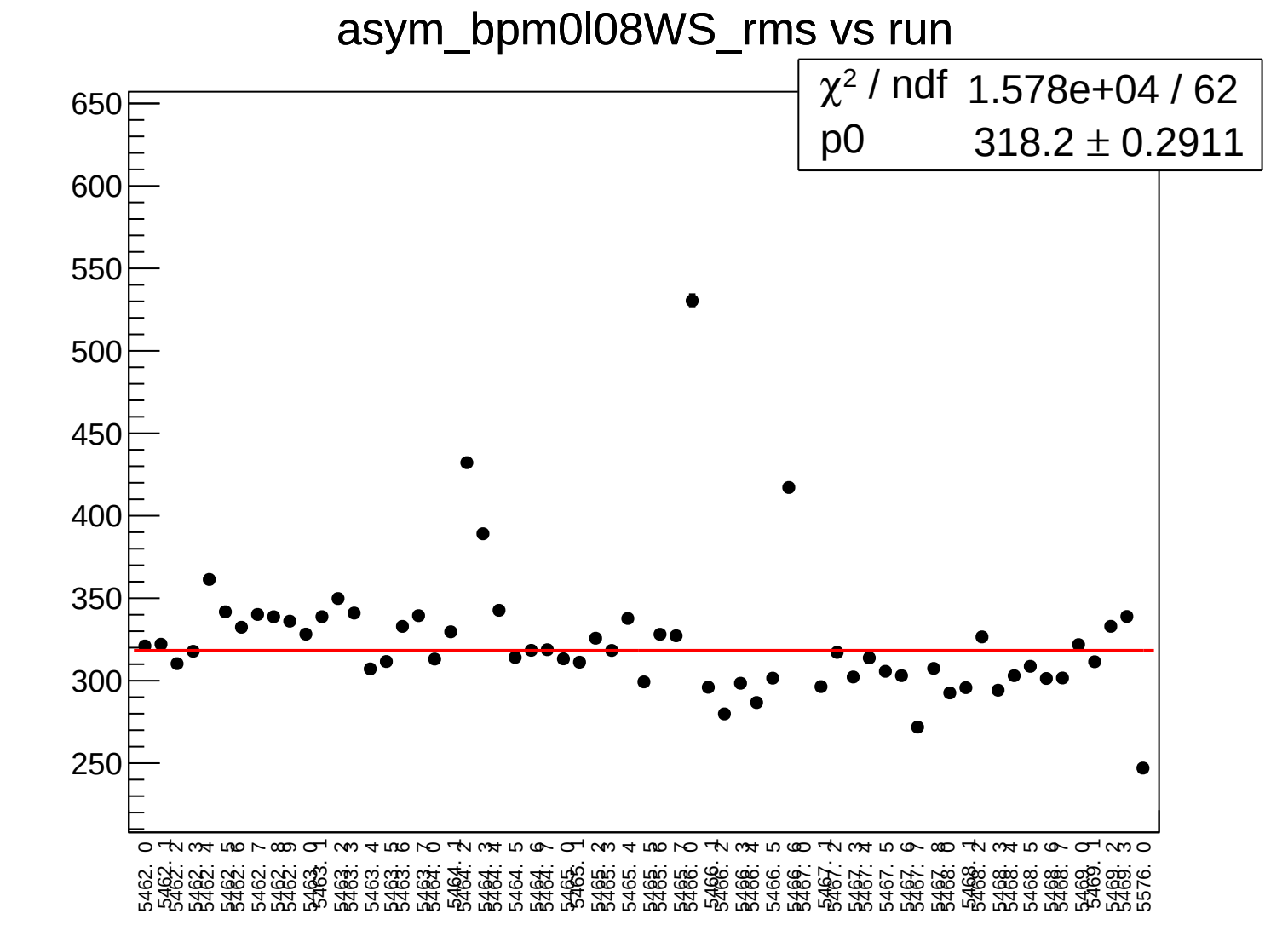

asym_bpm0l07WS_mean vs run
χ² / ndf 37.32 / 62
p0 102.5 ± 428
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 45.32
Std Dev 7.091
3
2
1
0
−1
−2

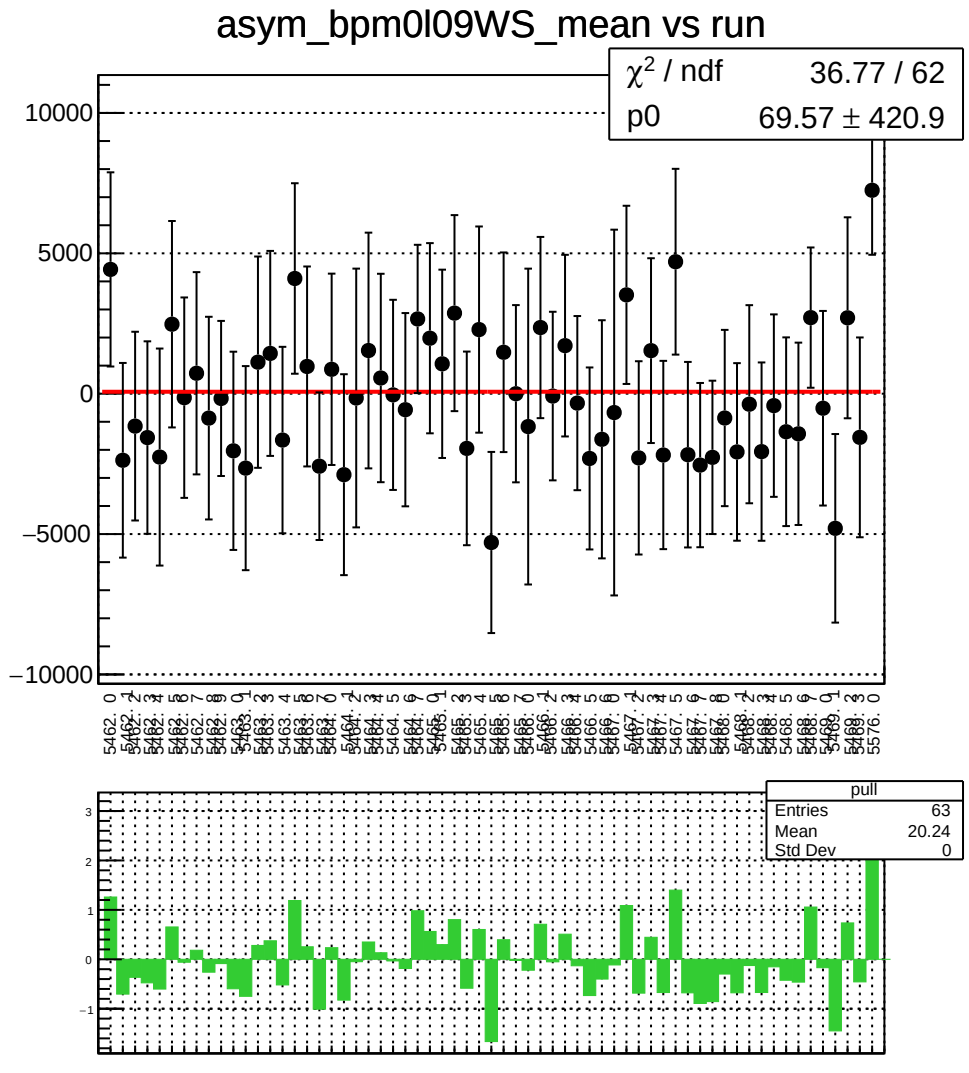

pull1D
Entries 63
Mean −0.02418
Std Dev 0.7693
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

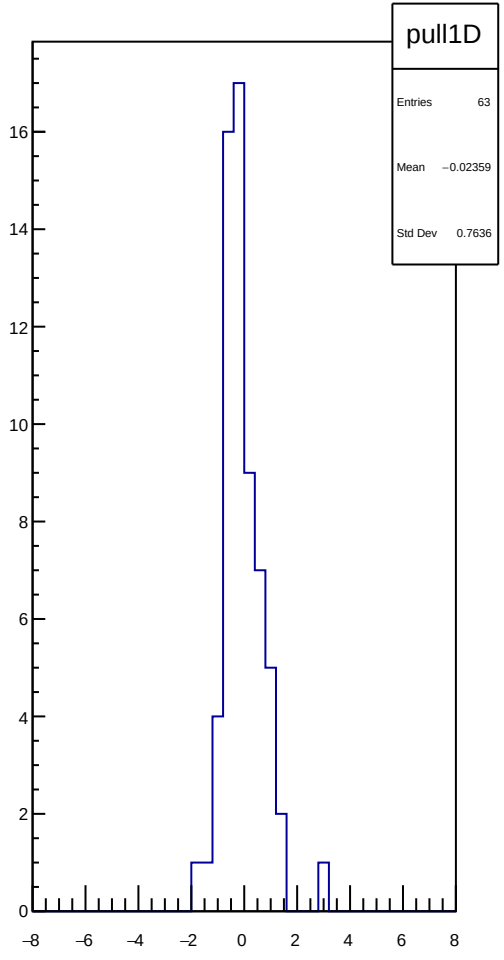

asym_bpm0l07WS_rms vs run
χ² / ndf 1.54e+04 / 62
p0 330.9 ± 0.3026
650
600
550
500
450
400
350
300
250

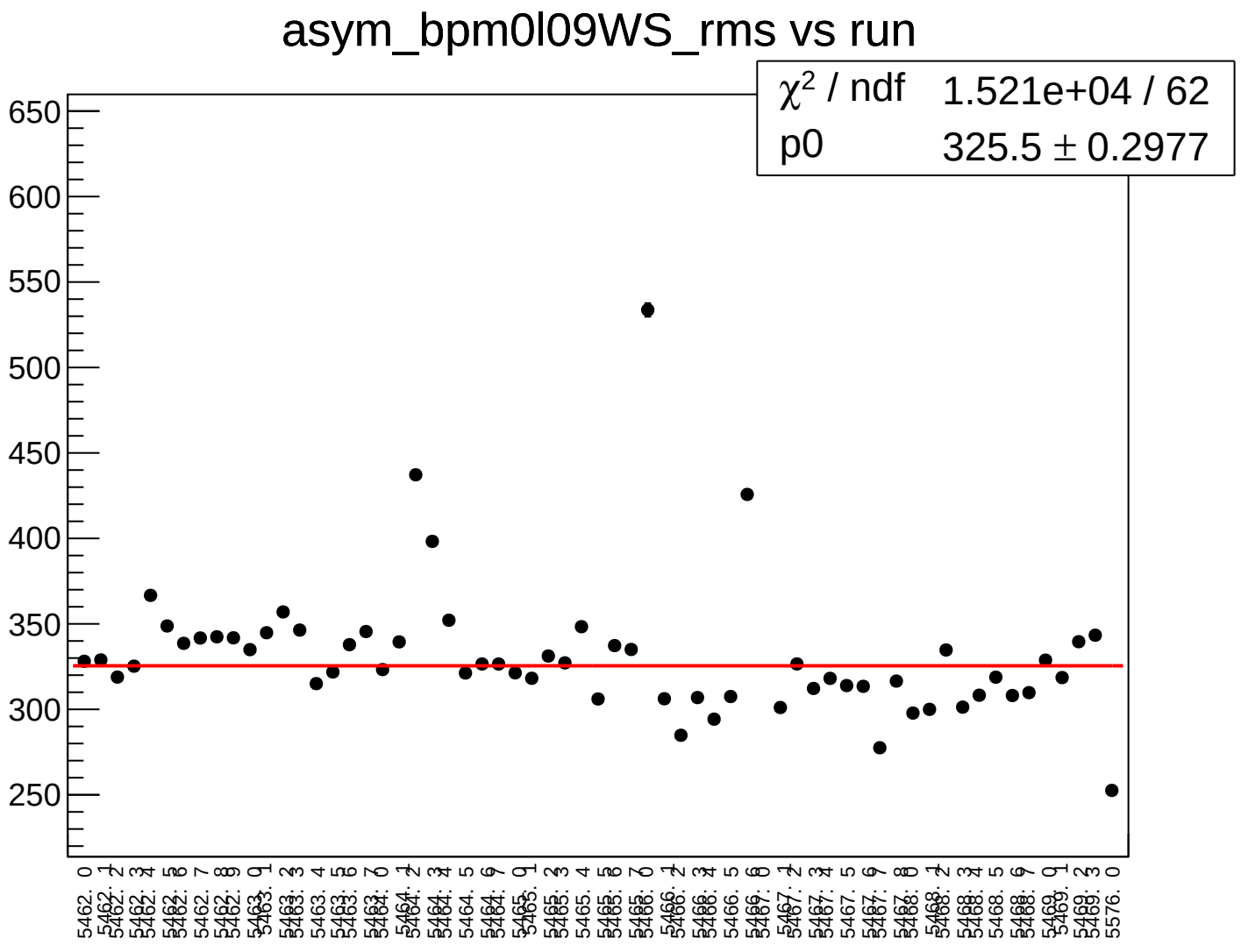

asym_bpm0l08WS_mean vs run
χ² / ndf 37.91 / 62
p0 48.27 ± 411.6
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 61.66
Std Dev 0

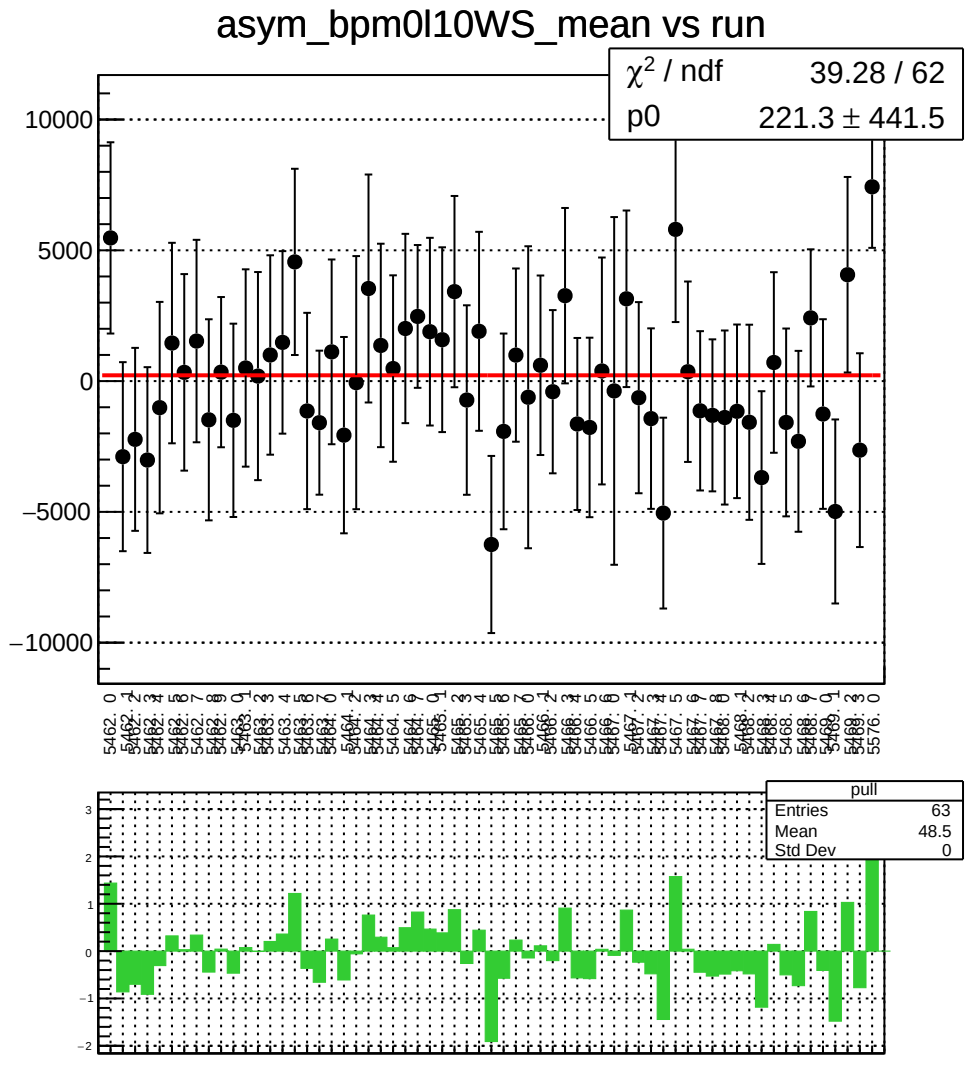

pull1D
Entries 63
Mean −0.02
Std Dev 0.7755
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

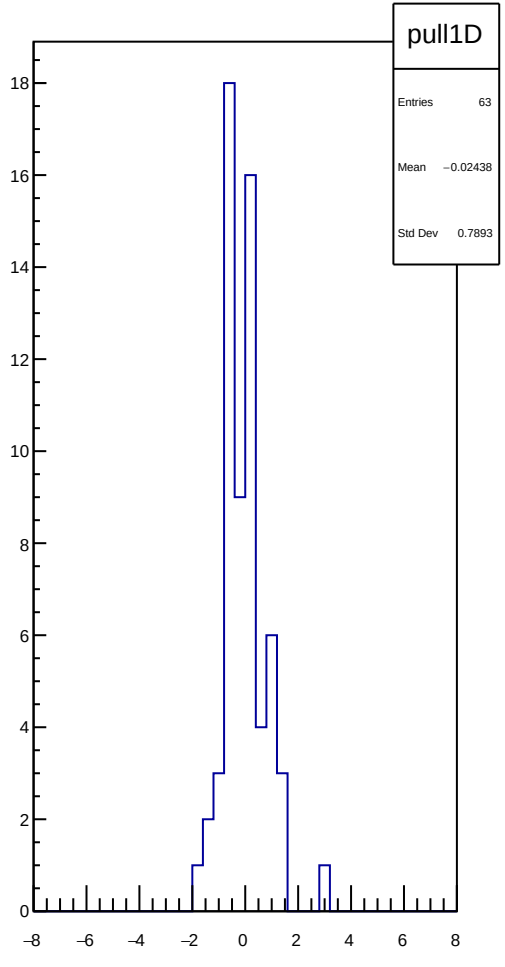

asym_bpm0l08WS_rms vs run
χ² / ndf 1.578e+04 / 62
p0 318.2 ± 0.2911
650
600
550
500
450
400
350
300
250

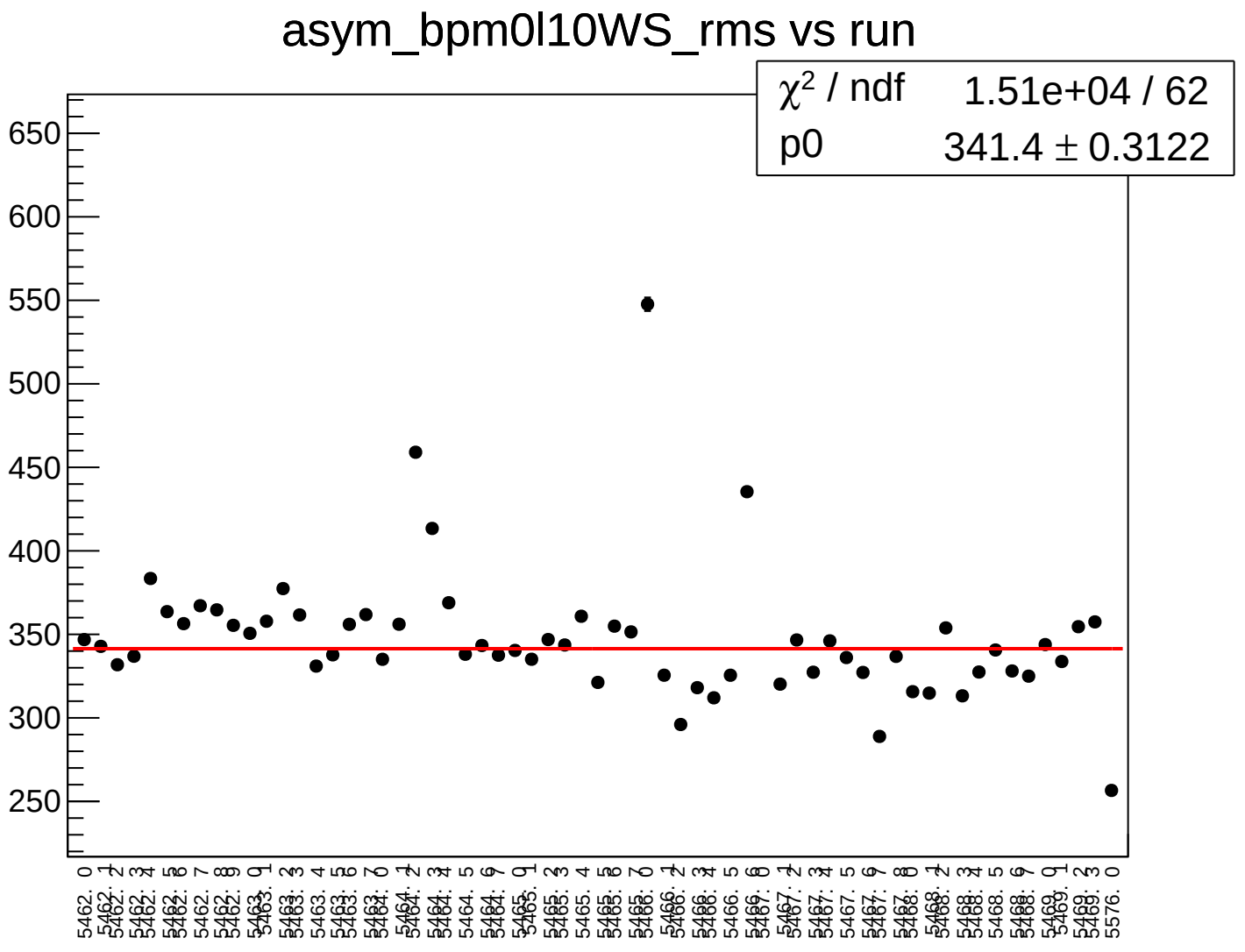

asym_bpm0l09WS_mean vs run
χ² / ndf 36.77 / 62
p0 69.57 ± 420.9
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 20.24
Std Dev 0

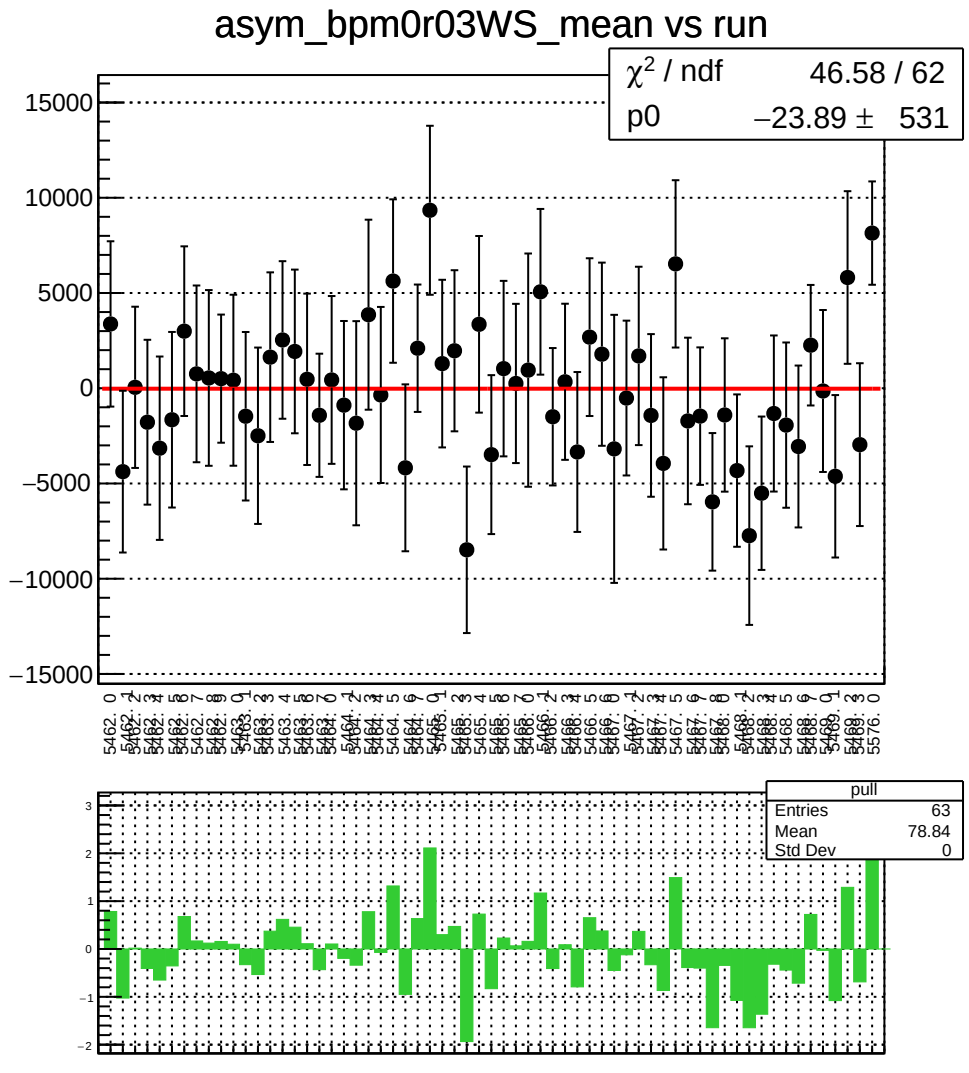

pull1D
Entries 63
Mean −0.02359
Std Dev 0.7636
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

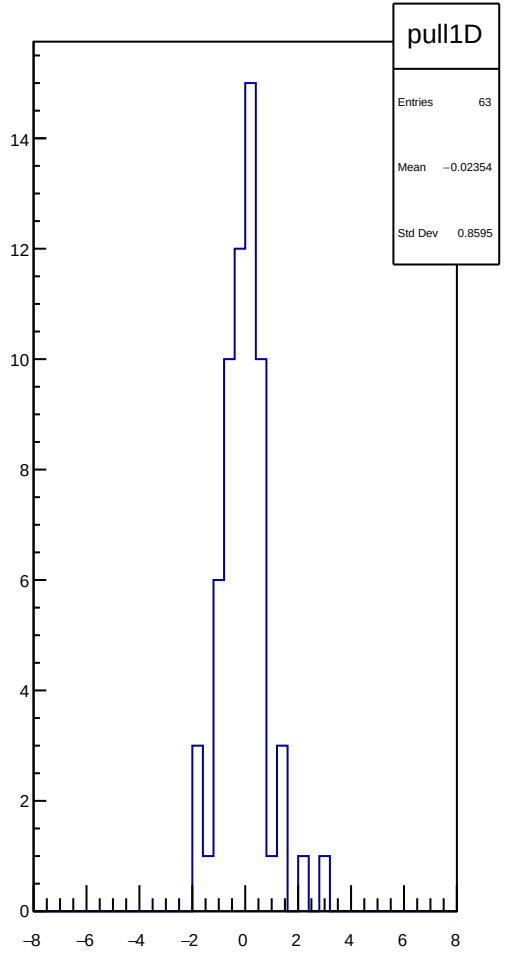

asym_bpm0l09WS_rms vs run
χ² / ndf 1.521e+04 / 62
p0 325.5 ± 0.2977
650
600
550
500
450
400
350
300
250

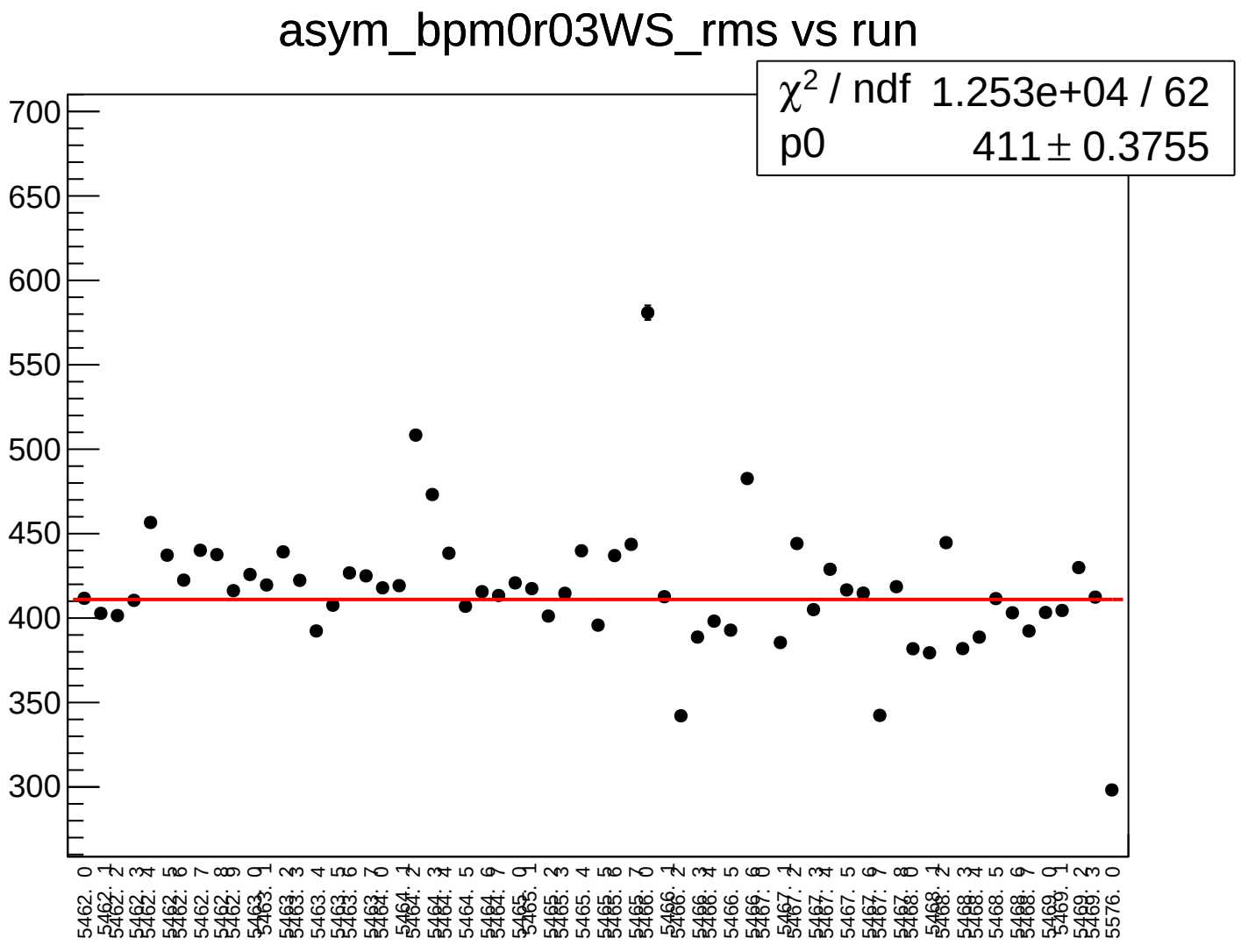

asym_bpm0l10WS_mean vs run
χ² / ndf 39.28 / 62
p0 221.3 ± 441.5
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 48.5
Std Dev 0
3
2
1
0
−1
−2

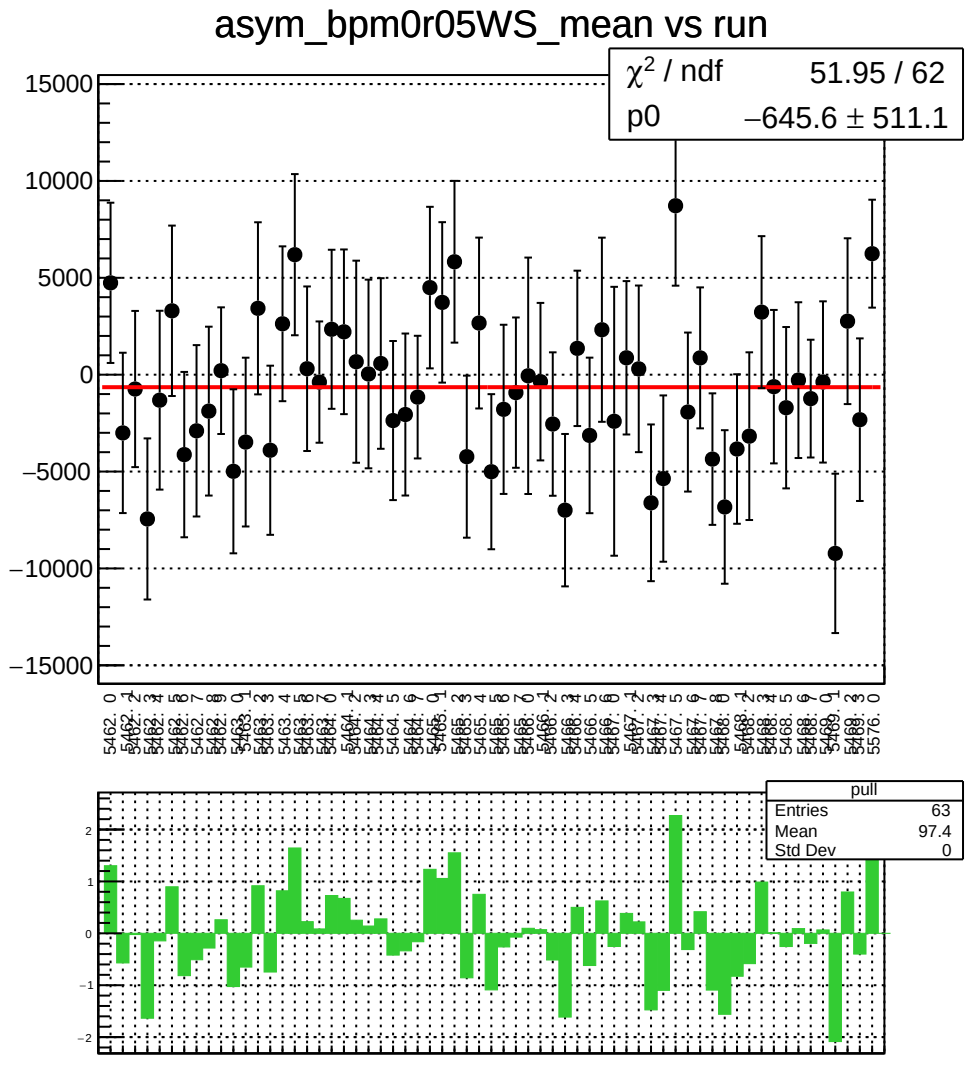

pull1D
Entries 63
Mean −0.02438
Std Dev 0.7893
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

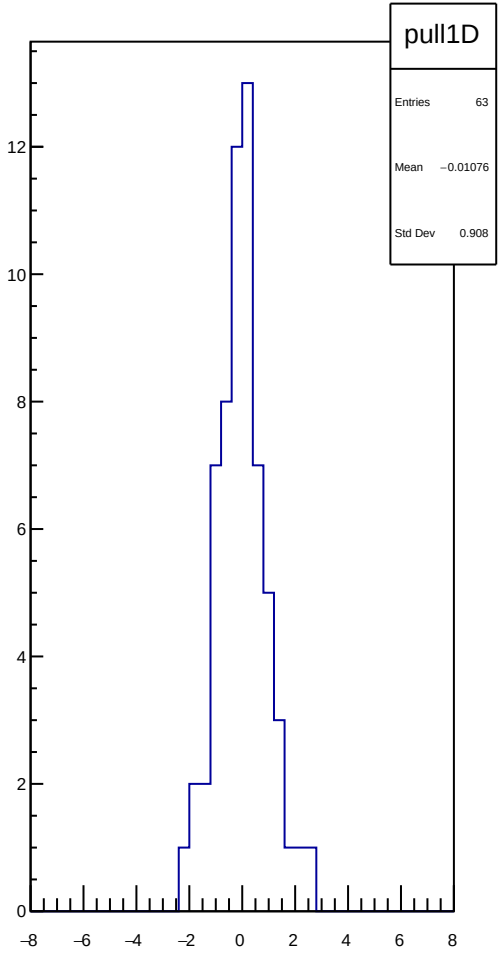

asym_bpm0l10WS_rms vs run
χ² / ndf 1.51e+04 / 62
p0 341.4 ± 0.3122
650
600
550
500
450
400
350
300
250

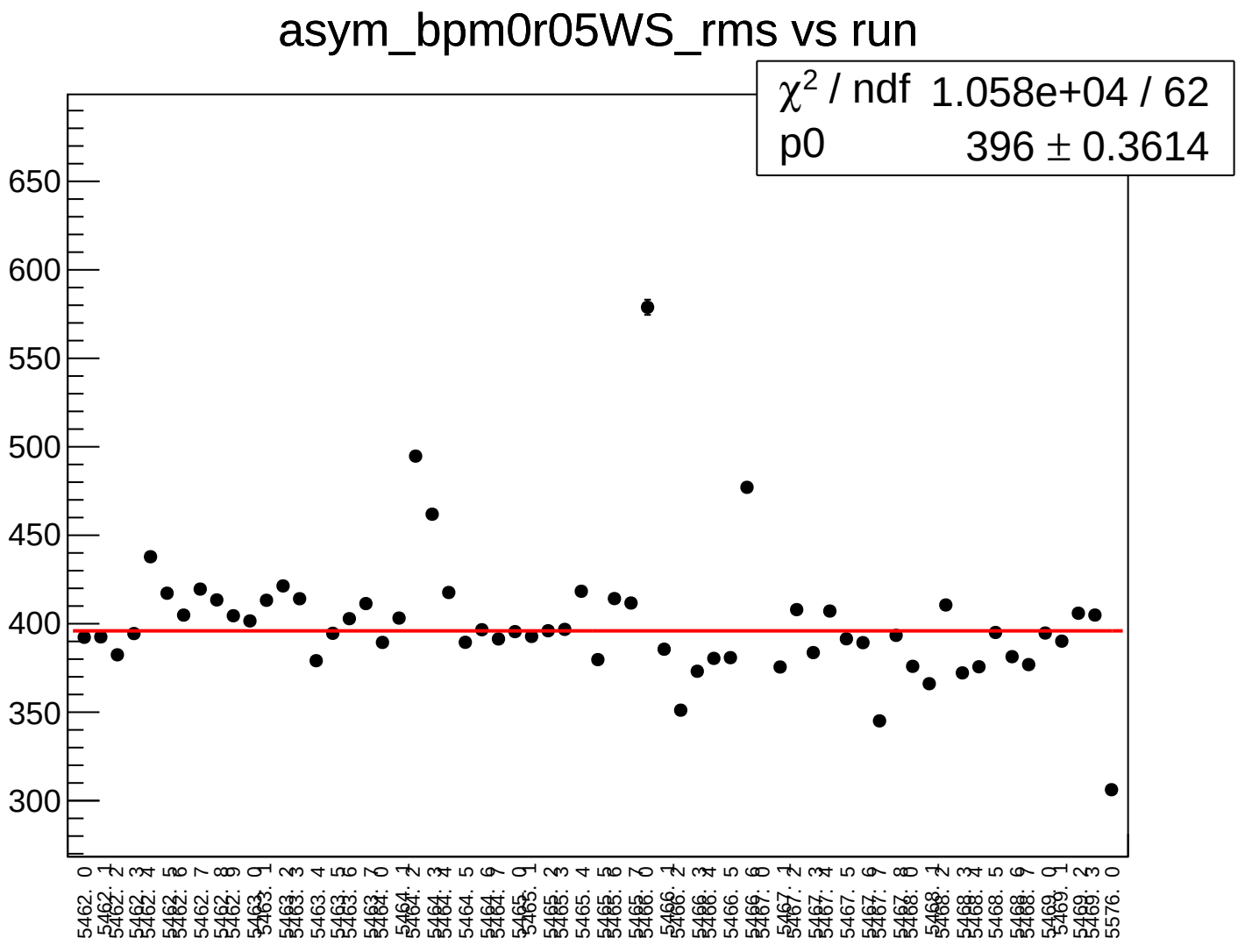

asym_bpm0r03WS_mean vs run
χ² / ndf 46.58 / 62
p0 −23.89 ± 531
pull
Entries 63
Mean 78.84
Std Dev 0

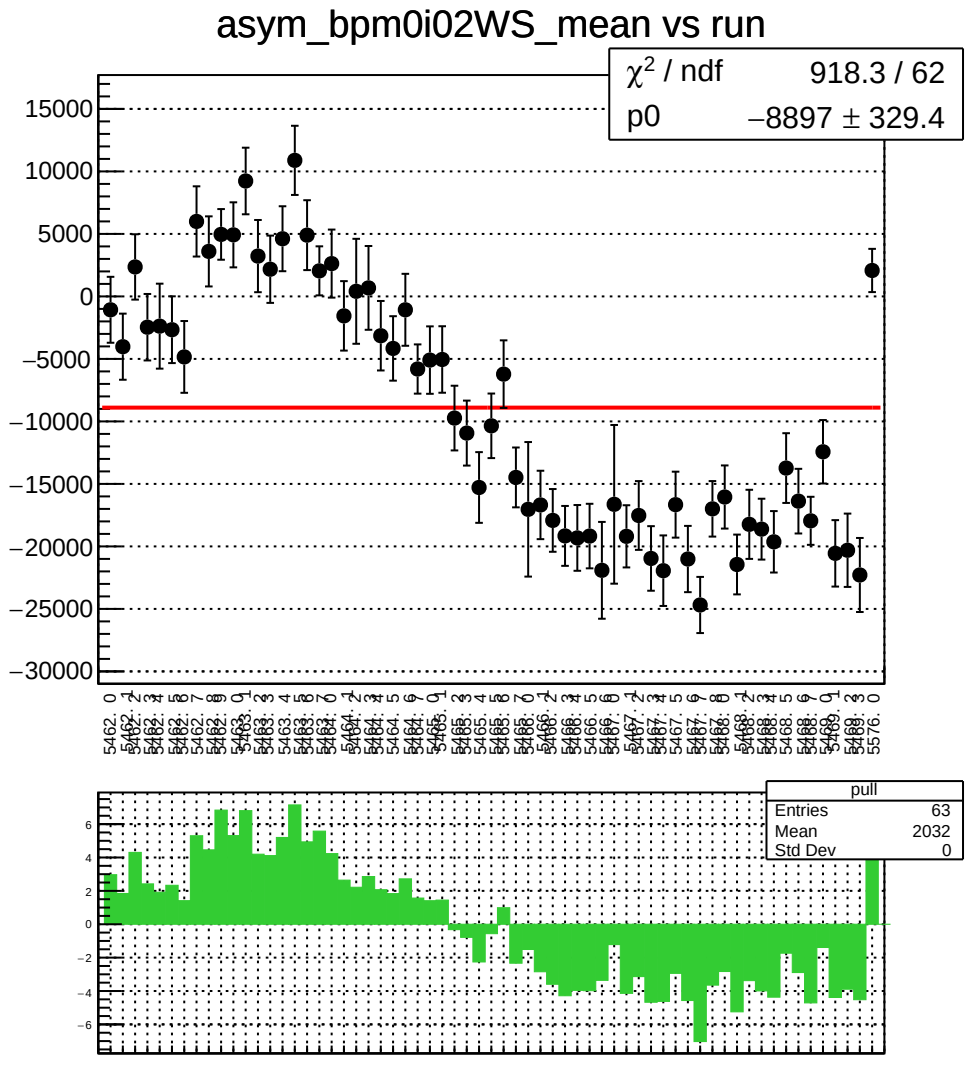

pull1D
Entries 63
Mean −0.02354
Std Dev 0.8595

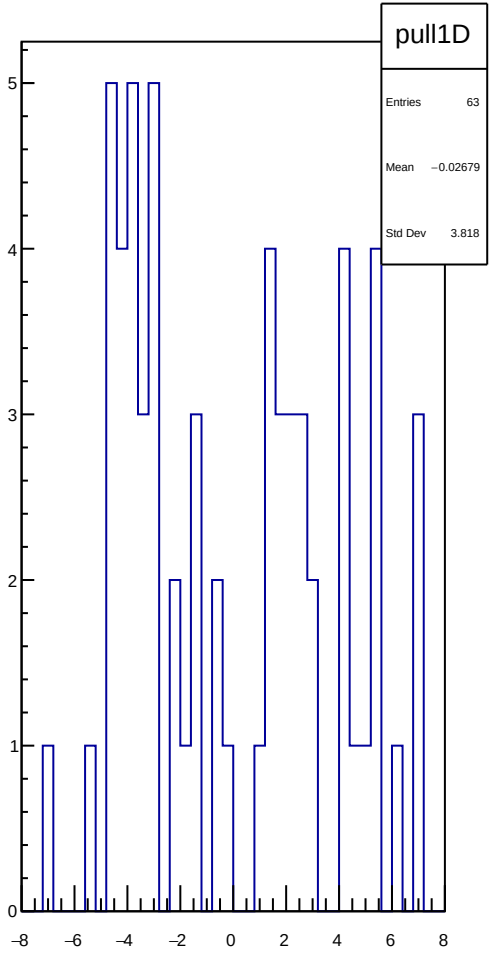

asym_bpm0r03WS_rms vs run
χ² / ndf 1.253e+04 / 62
p0 411 ± 0.3755
700
650
600
550
500
450
400
350
300

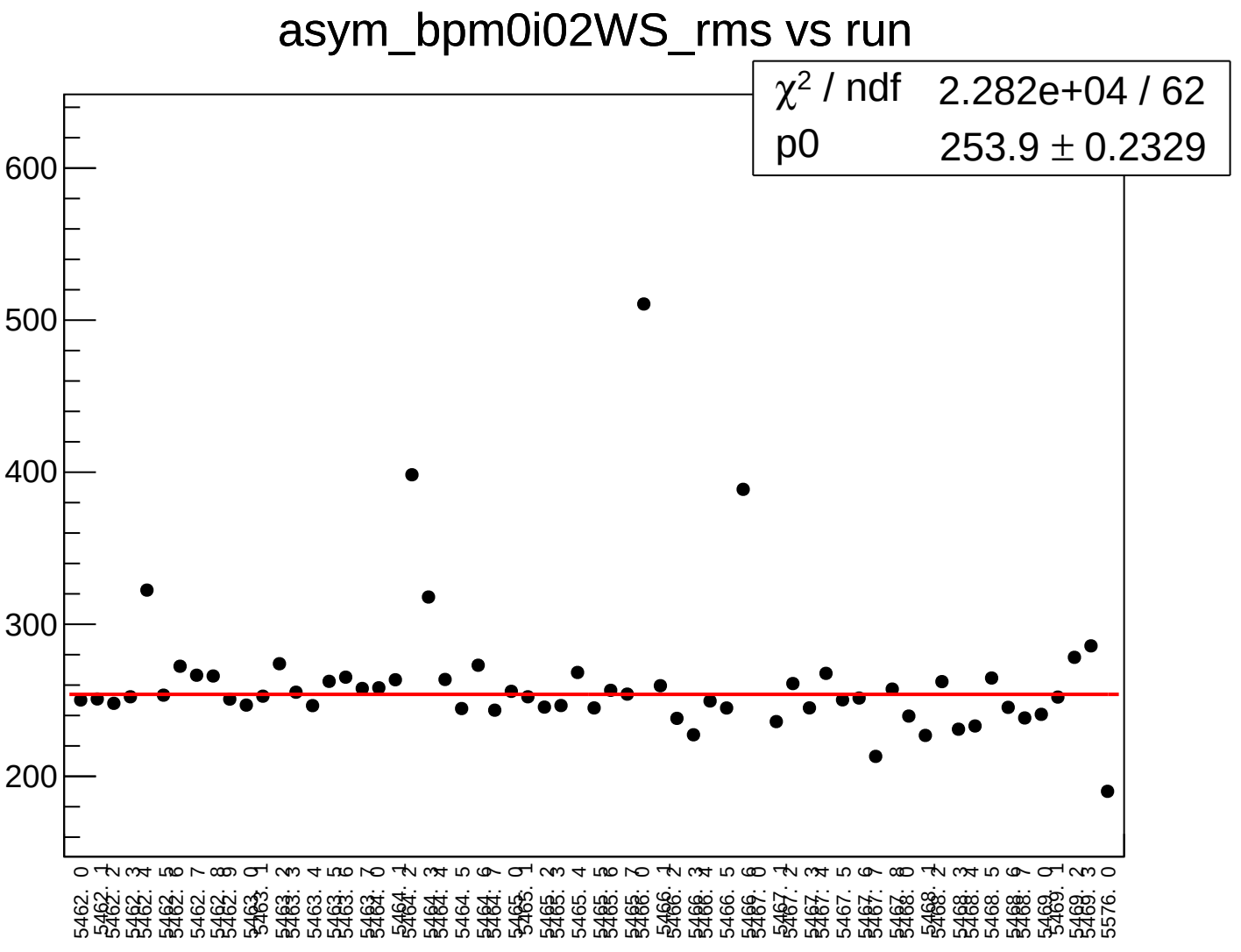

asym_bpm0r05WS_mean vs run
χ² / ndf 51.95 / 62
p0 −645.6 ± 511.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 97.4
Std Dev 0
2
1
0
−1
−2

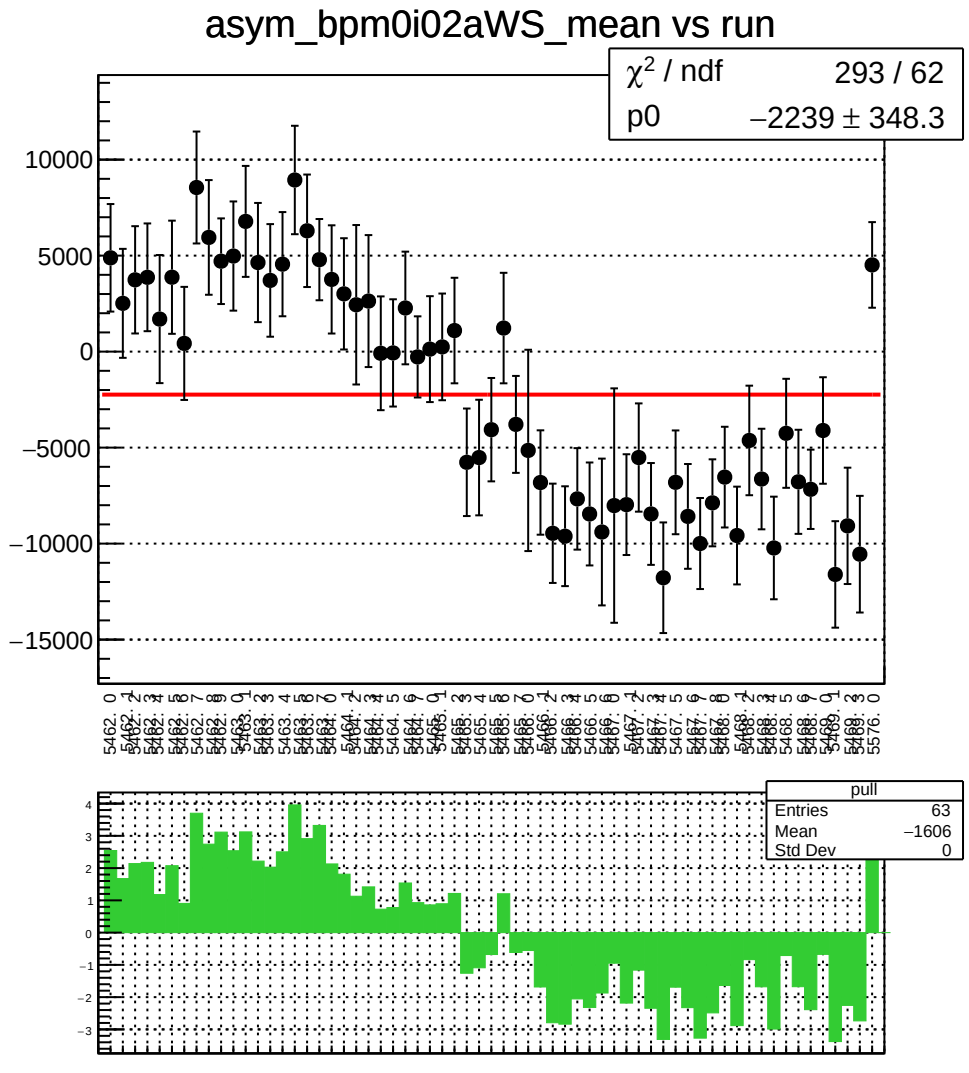

pull1D
Entries 63
Mean −0.01076
Std Dev 0.908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

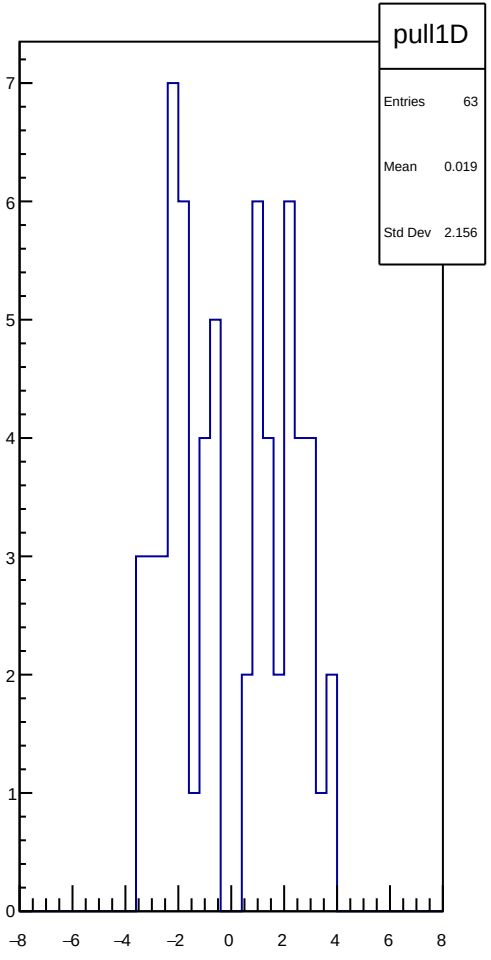

asym_bpm0r05WS_rms vs run
χ^2 / ndf 1.058e+04 / 62
p0 396 ± 0.3614
650
600
550
500
450
400
350
300

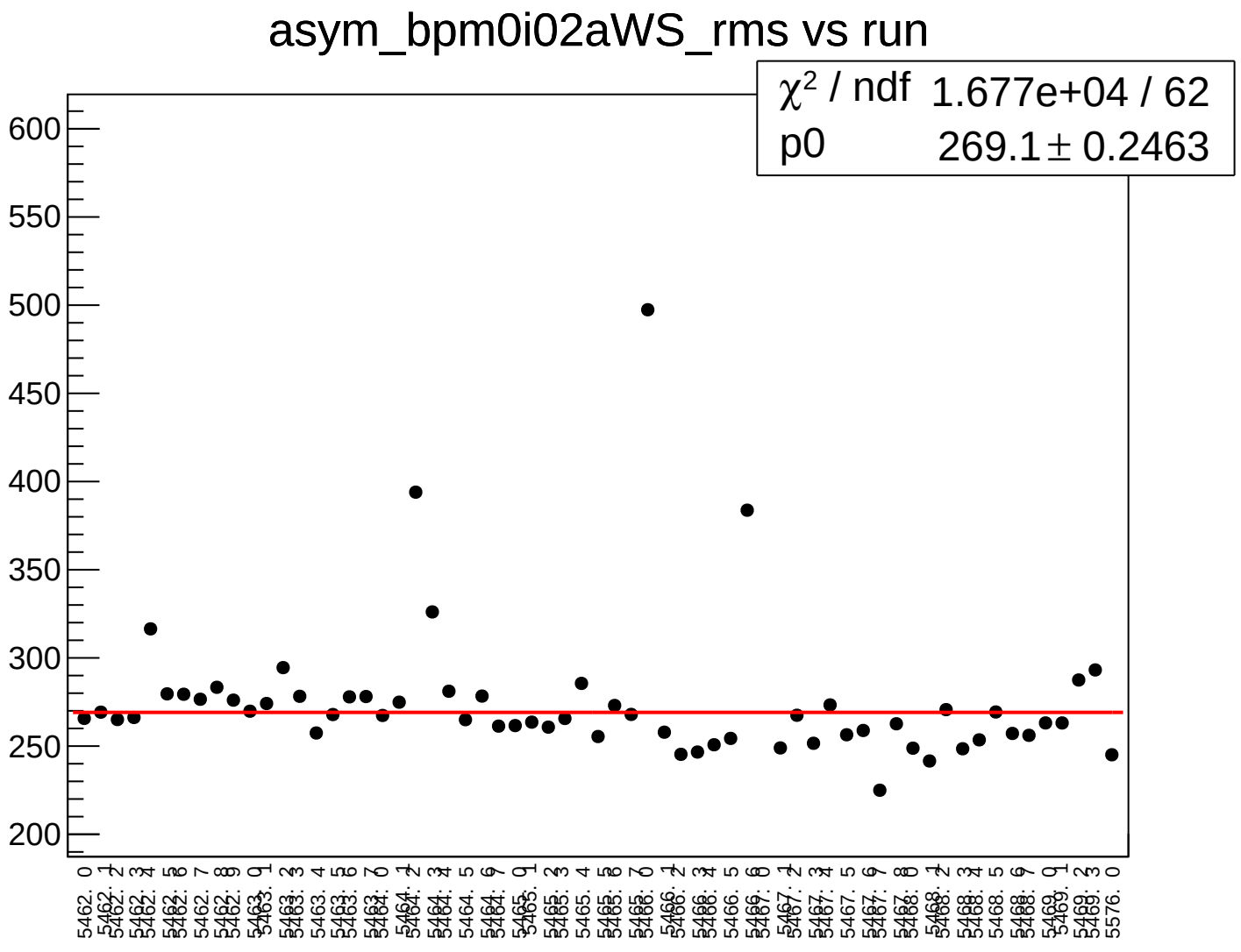

asym_bpm0i02WS_mean vs run
χ² / ndf 918.3 / 62
p0 −8897 ± 329.4
pull
Entries 63
Mean 2032
Std Dev 0

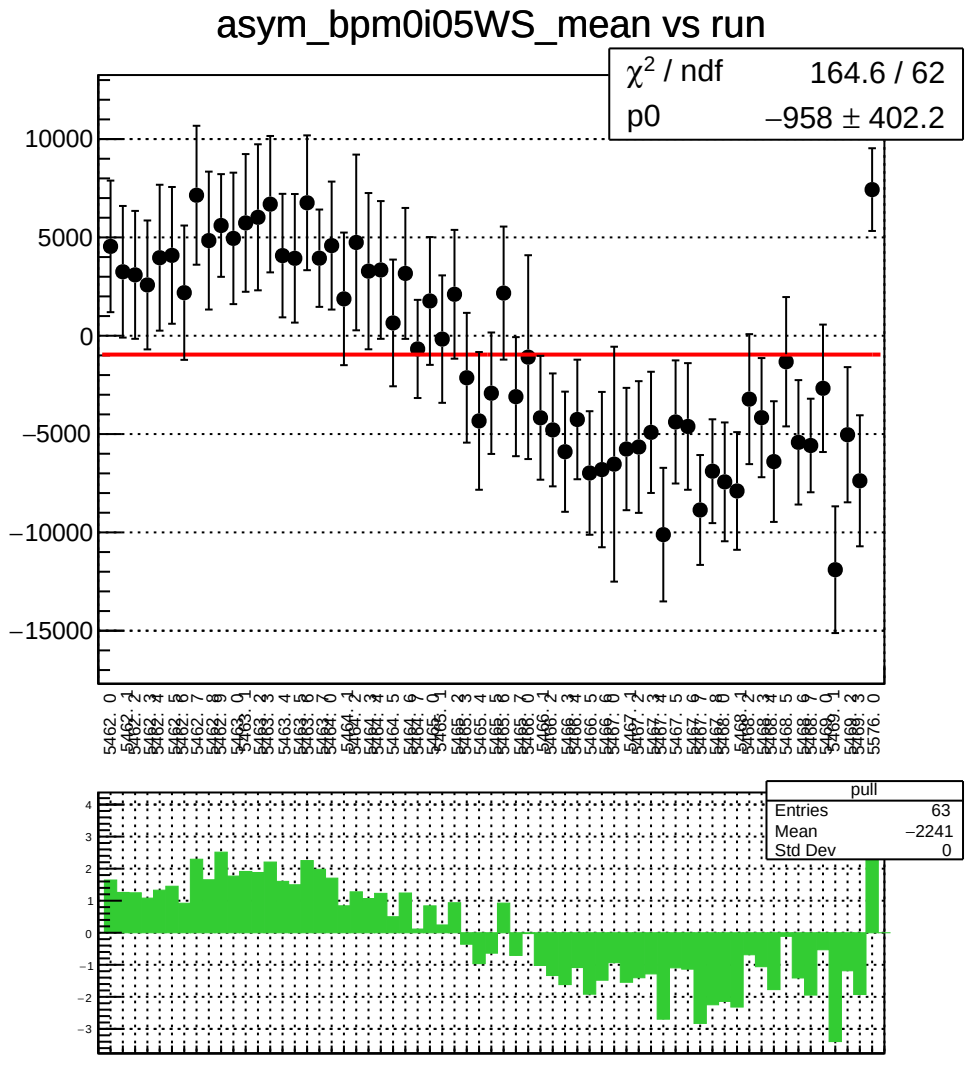

pull1D
Entries 63
Mean −0.02679
Std Dev 3.818

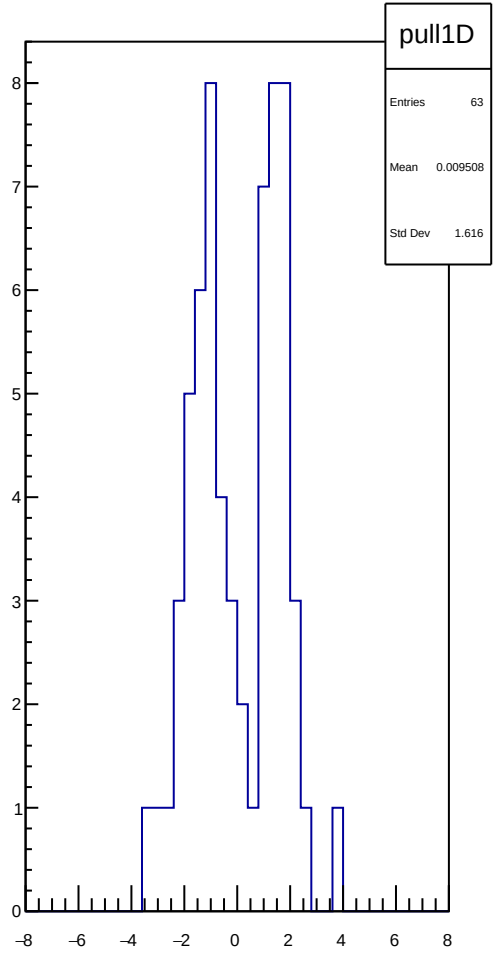

asym_bpm0i02WS_rms vs run
χ² / ndf 2.282e+04 / 62
p0 253.9 ± 0.2329
600
500
400
300
200

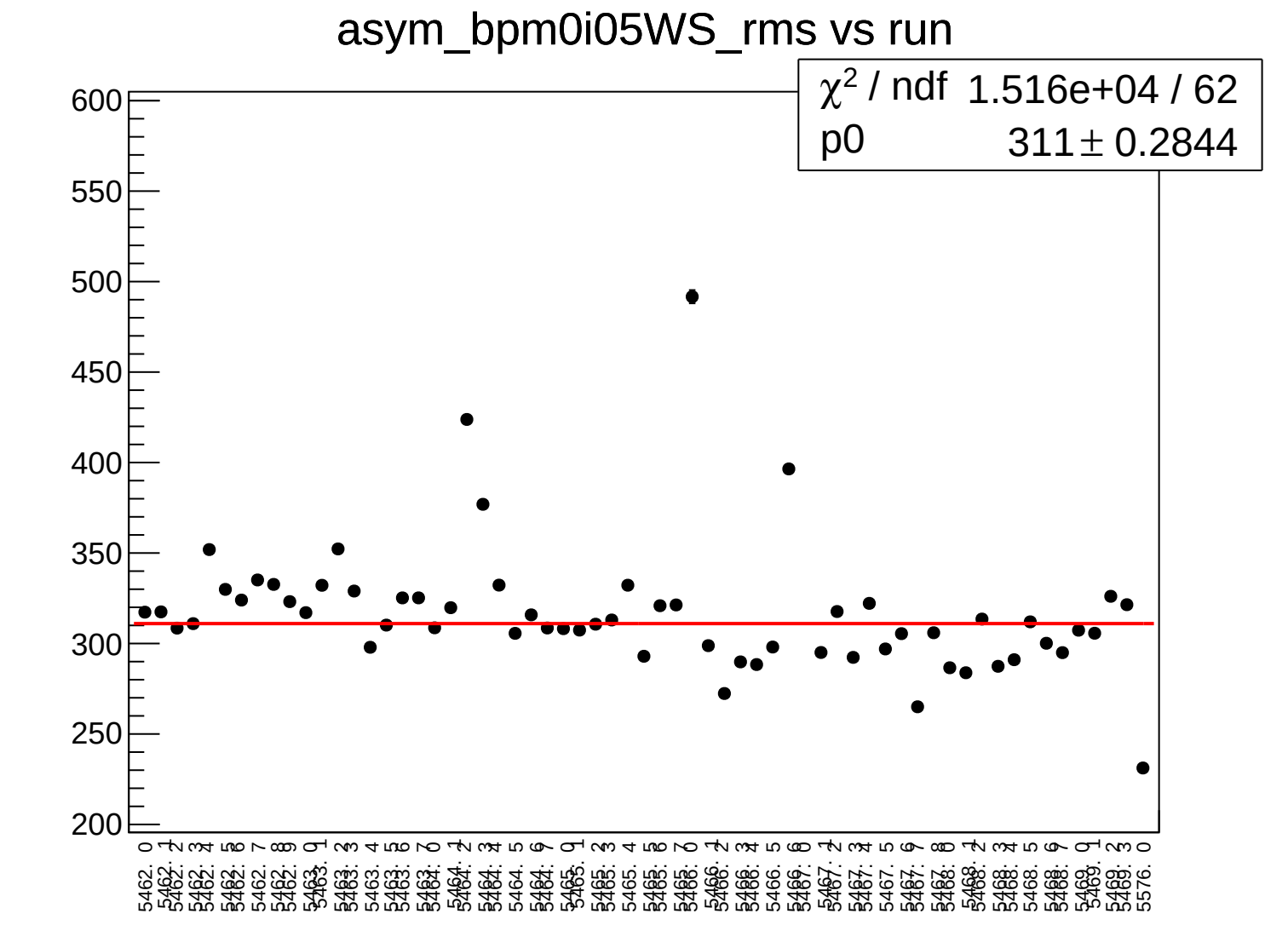

asym_bpm0i02aWS_mean vs run
χ² / ndf 293 / 62
p0 −2239 ± 348.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean −1606
Std Dev 0
4
3
2
1
0
−1
−2
−3

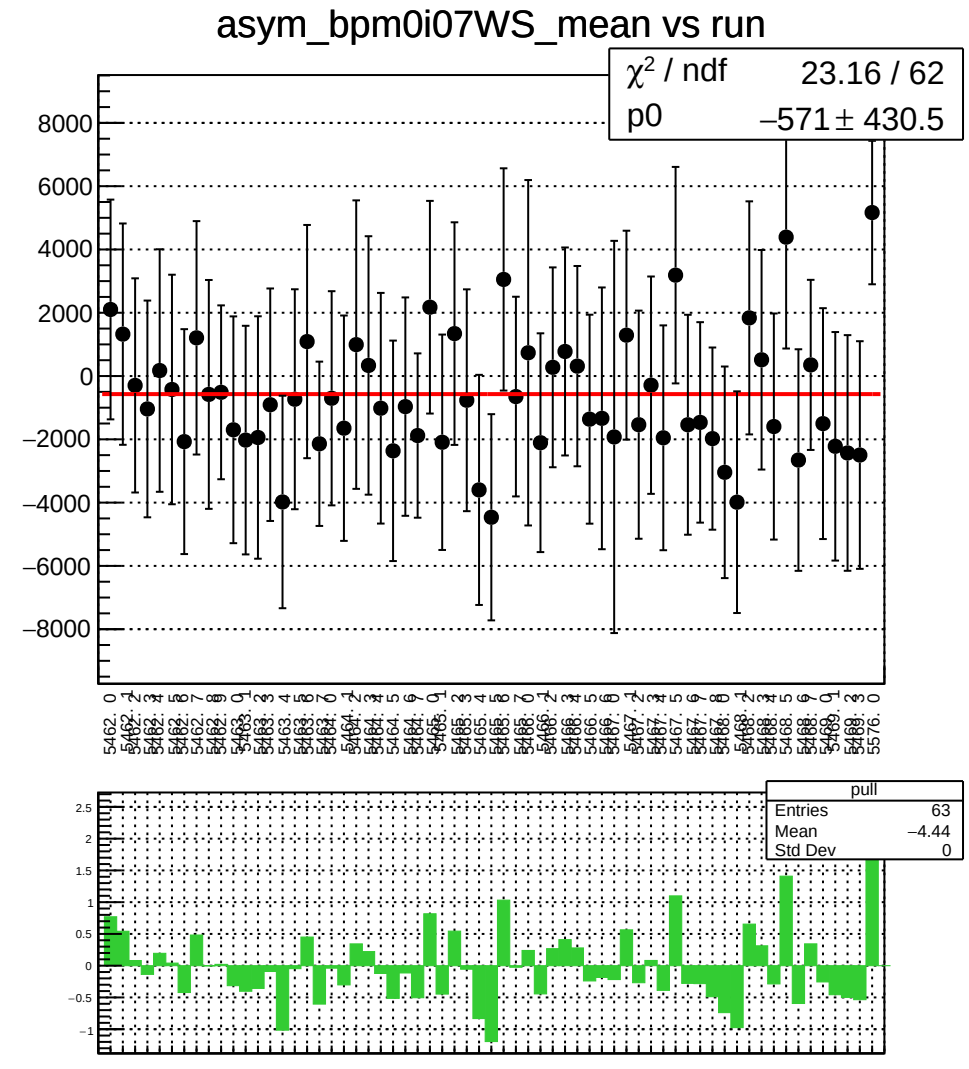

pull1D
Entries 63
Mean 0.019
Std Dev 2.156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

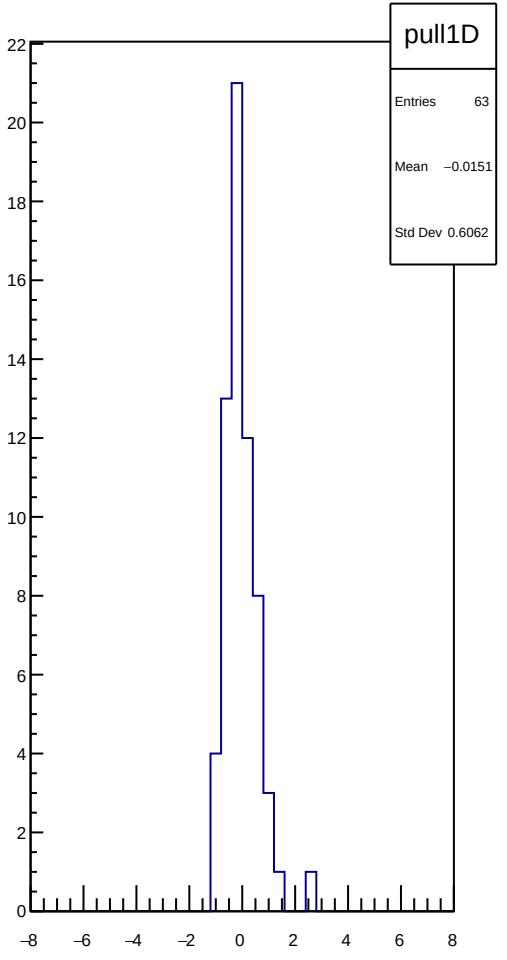

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.677e+04 / 62
p0 269.1 ± 0.2463
600
550
500
450
400
350
300
250
200

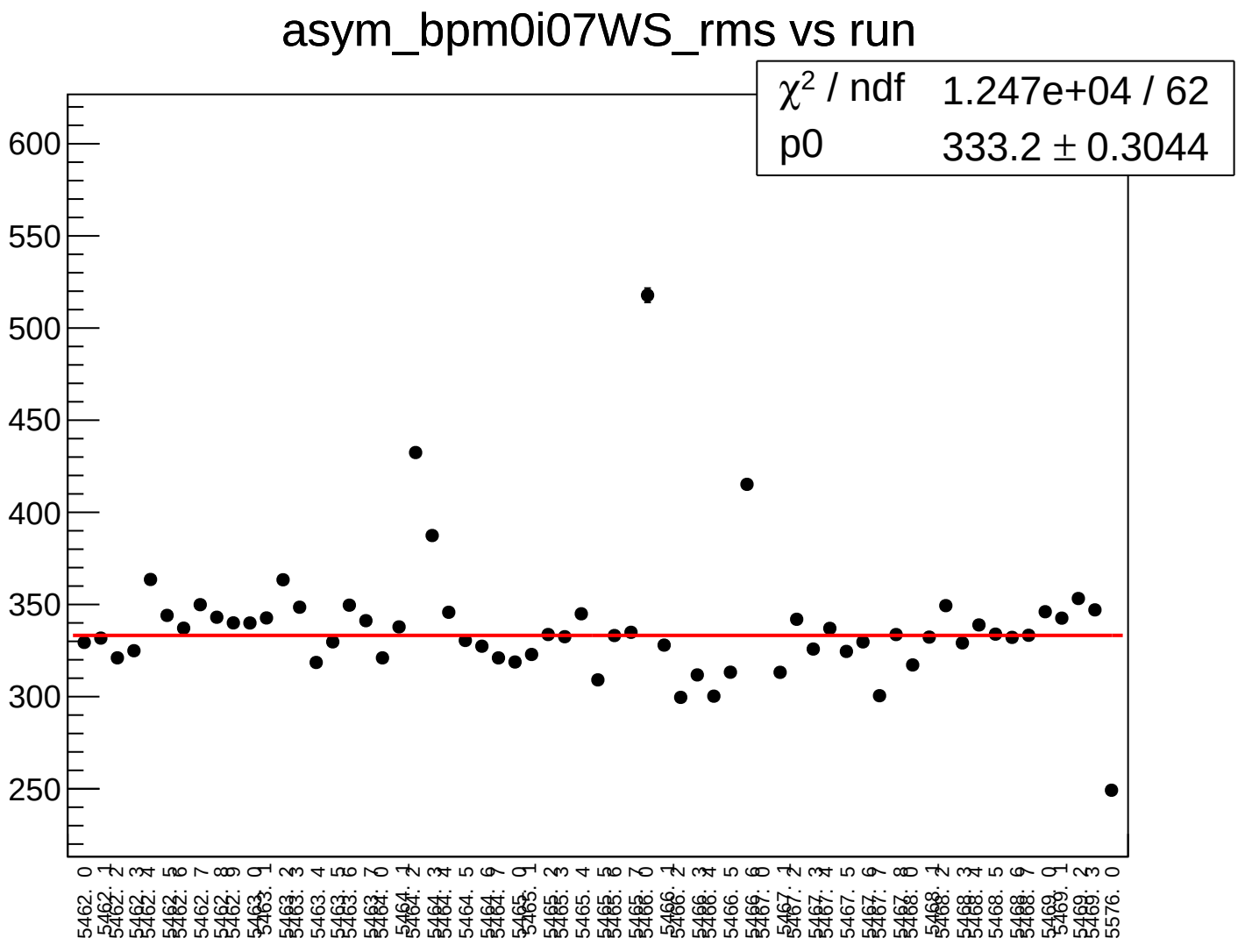

asym_bpm0i05WS_mean vs run
χ² / ndf 164.6 / 62
p0 −958 ± 402.2
pull
Entries 63
Mean −2241
Std Dev 0

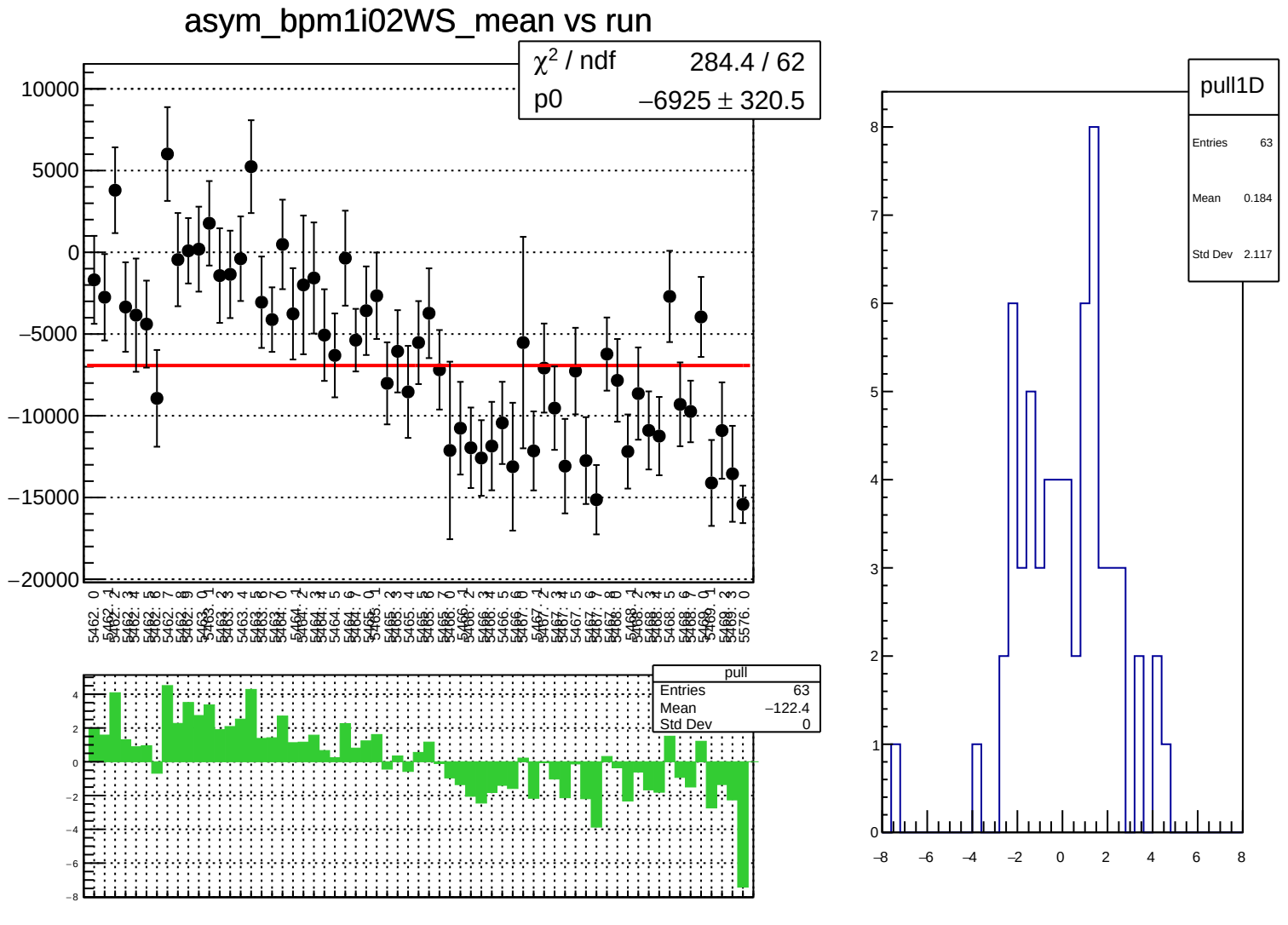

pull1D
Entries 63
Mean 0.009508
Std Dev 1.616

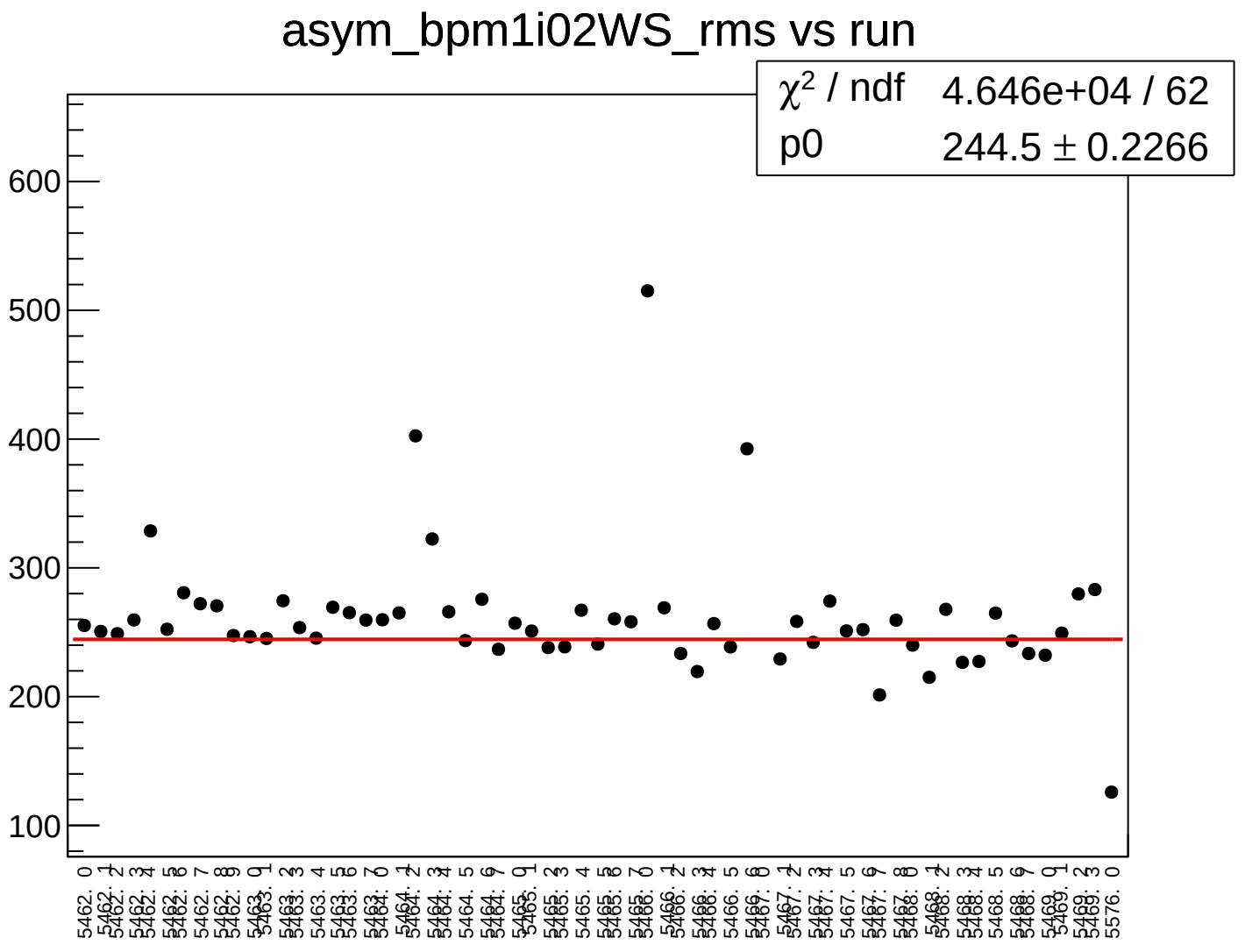

asym_bpm0i05WS_rms vs run
χ^2 / ndf 1.516e+04 / 62
p0 311 ± 0.2844
600
550
500
450
400
350
300
250
200

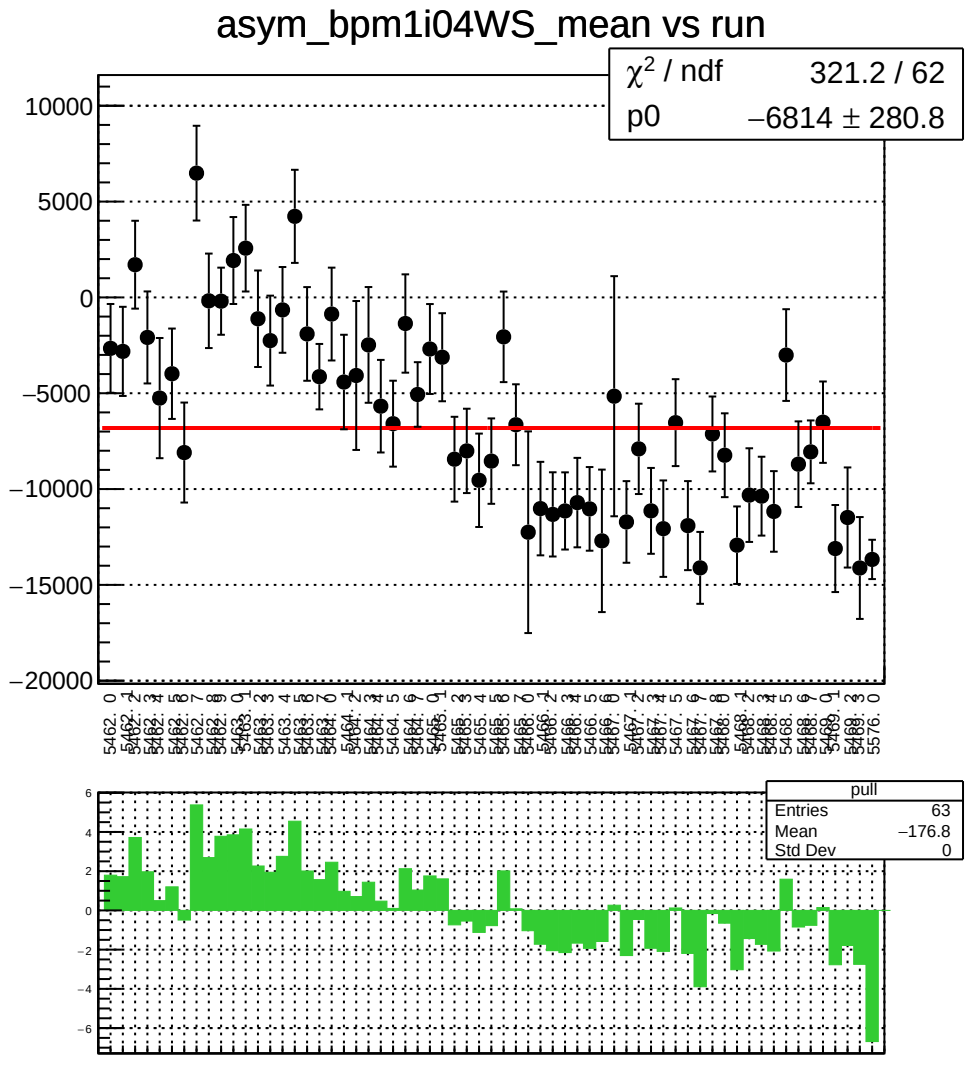

asym_bpm0i07WS_mean vs run
χ² / ndf 23.16 / 62
p0 −571 ± 430.5
pull
Entries 63
Mean −4.44
Std Dev 0

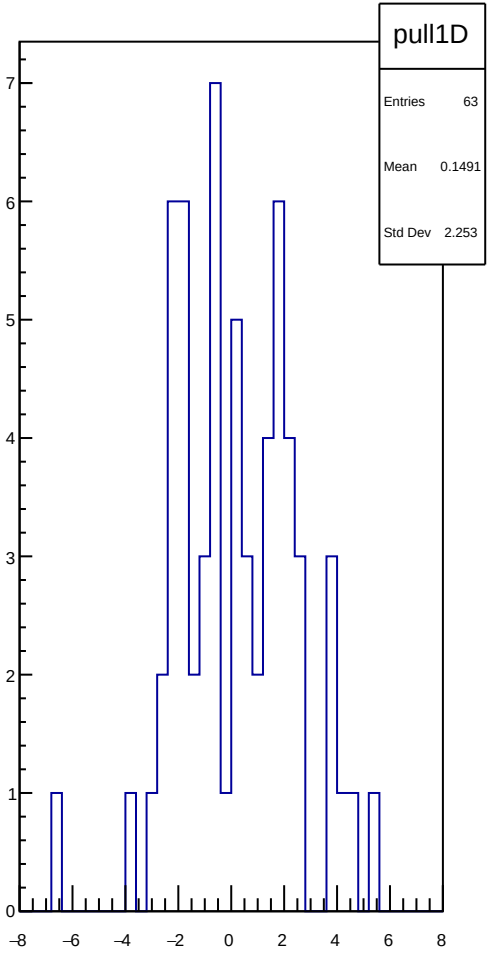

pull1D
Entries 63
Mean −0.0151
Std Dev 0.6062

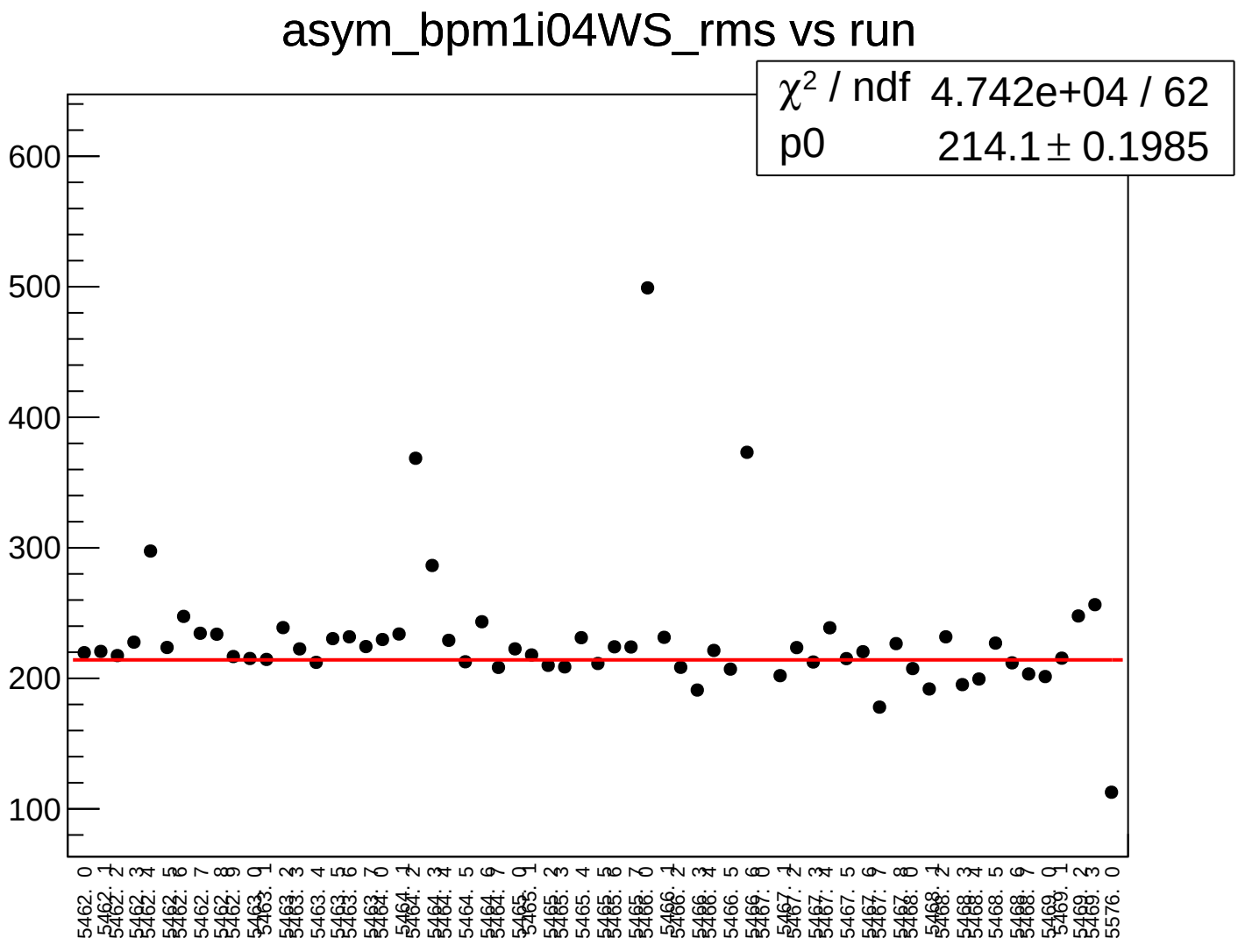

asym_bpm0i07WS_rms vs run
χ² / ndf 1.247e+04 / 62
p0 333.2 ± 0.3044
600
550
500
450
400
350
300
250

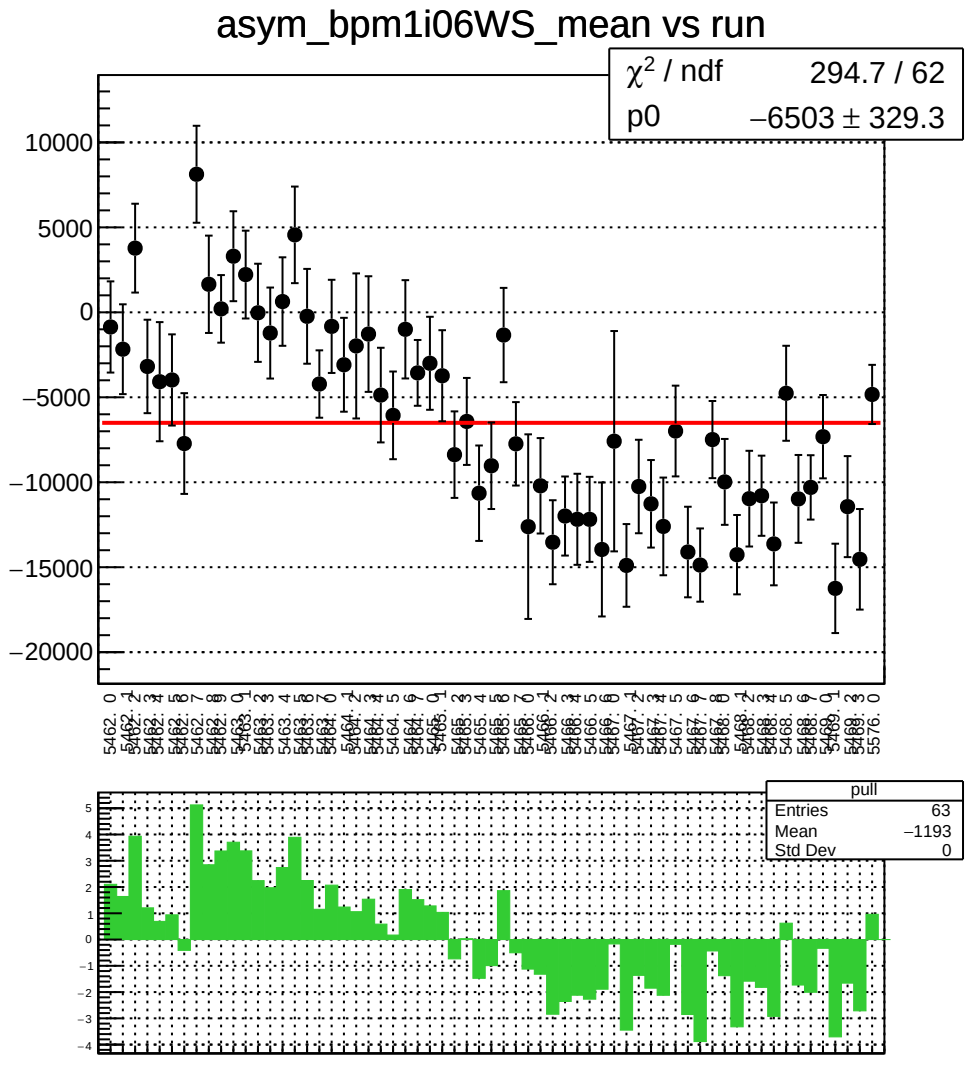

asym_bpm1i02WS_mean vs run
χ² / ndf 284.4 / 62
p0 −6925 ± 320.5
pull
Entries 63
Mean −122.4
Std Dev 0
pull1D
Entries 63
Mean 0.184
Std Dev 2.117

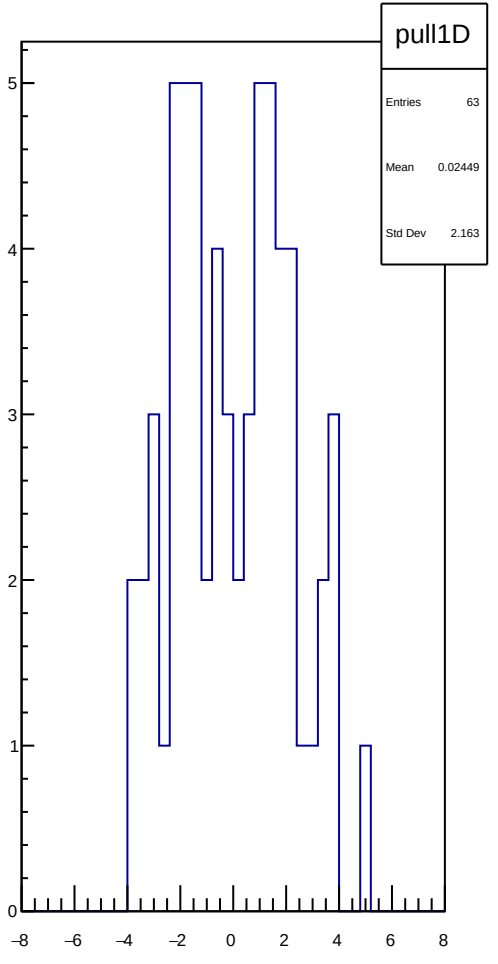

asym_bpm1i02WS_rms vs run
χ² / ndf 4.646e+04 / 62
p0 244.5 ± 0.2266
600
500
400
300
200
100

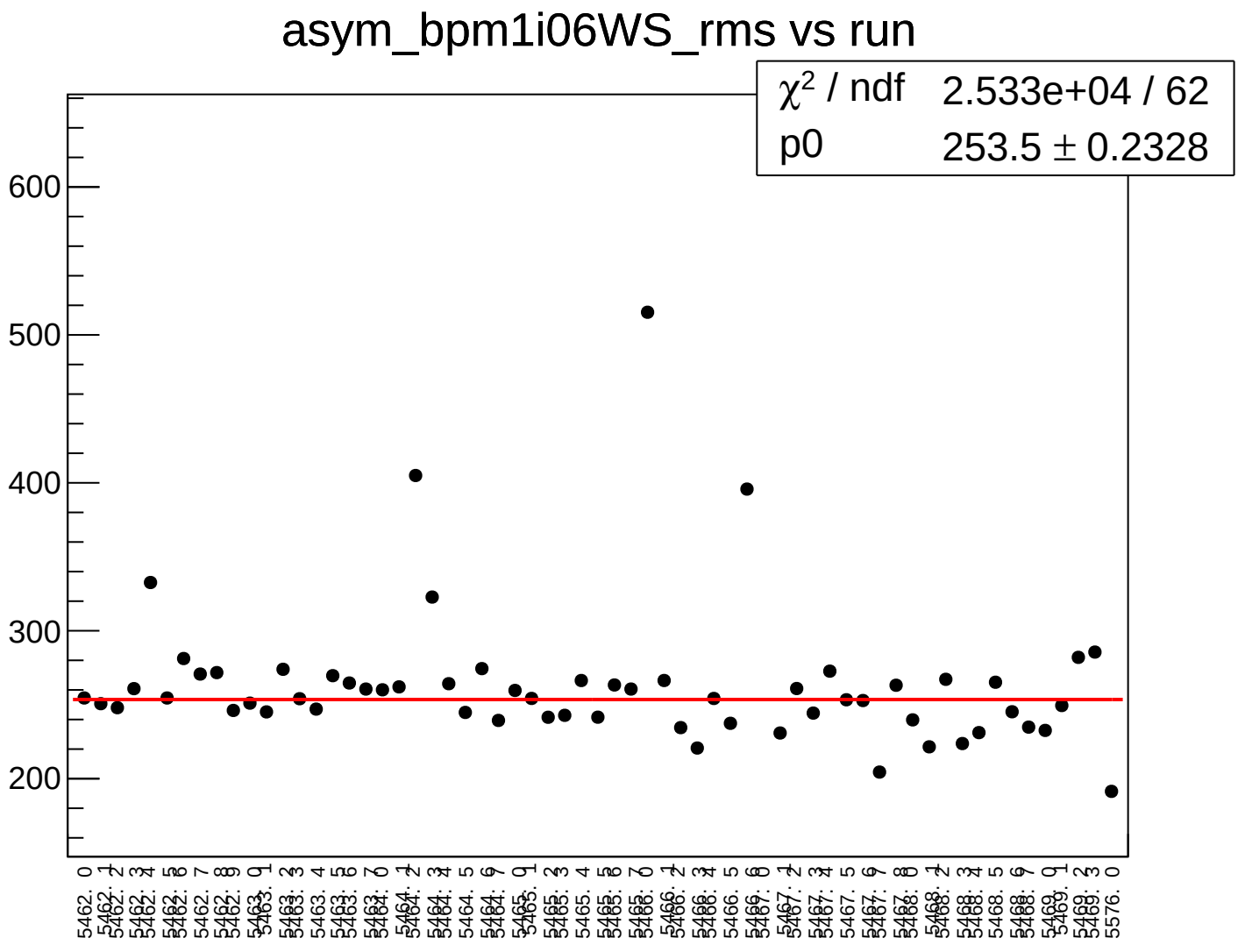

asym_bpm1i04WS_mean vs run
χ² / ndf 321.2 / 62
p0 −6814 ± 280.8
pull
Entries 63
Mean −176.8
Std Dev 0

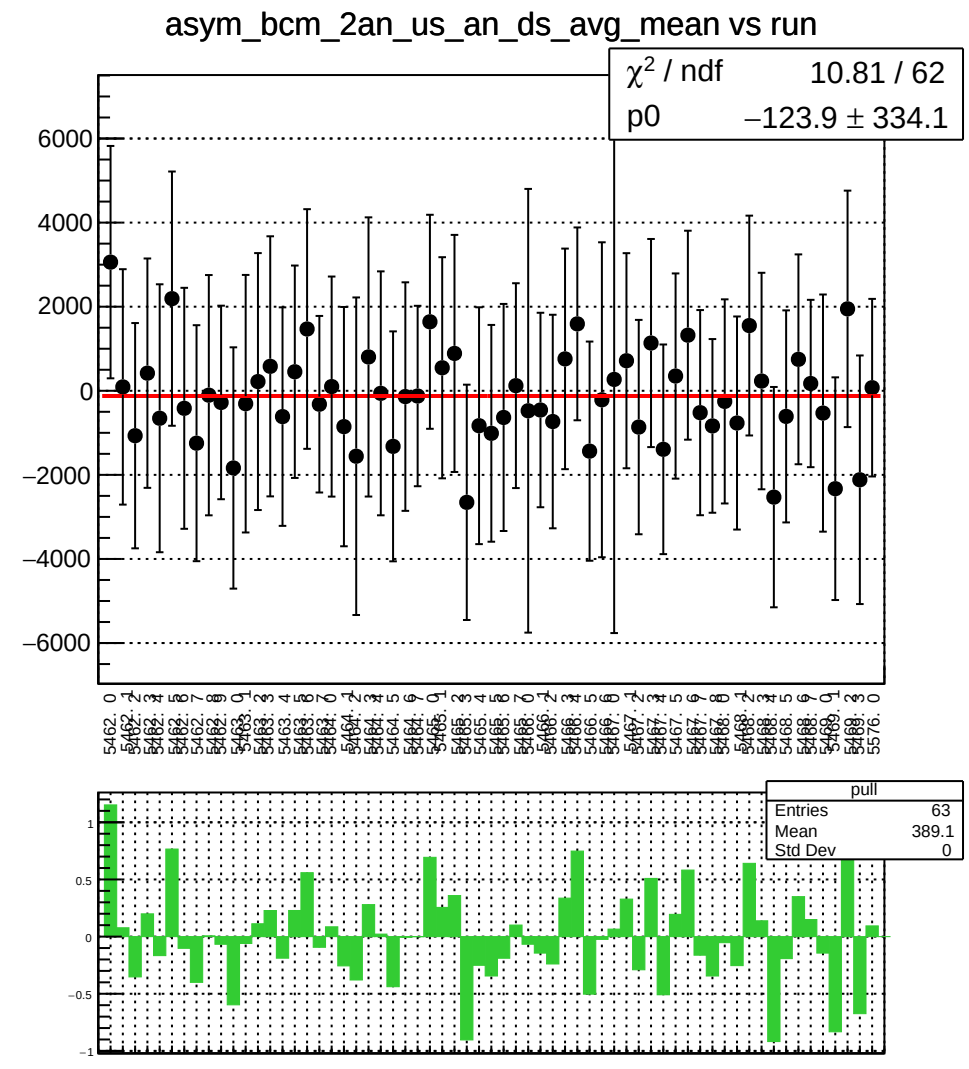

pull1D
Entries 63
Mean 0.1491
Std Dev 2.253

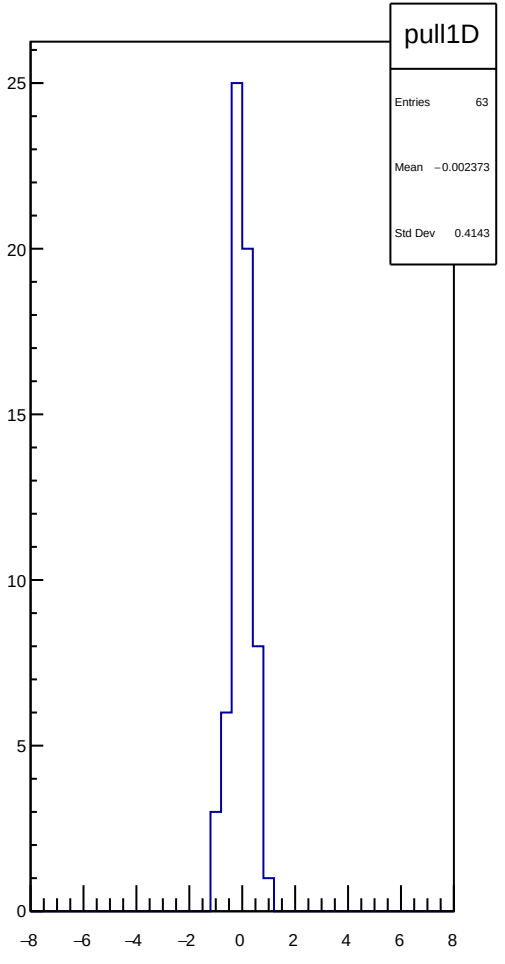

asym_bpm1i04WS_rms vs run
χ² / ndf 4.742e+04 / 62
p0 214.1 ± 0.1985
600
500
400
300
200
100

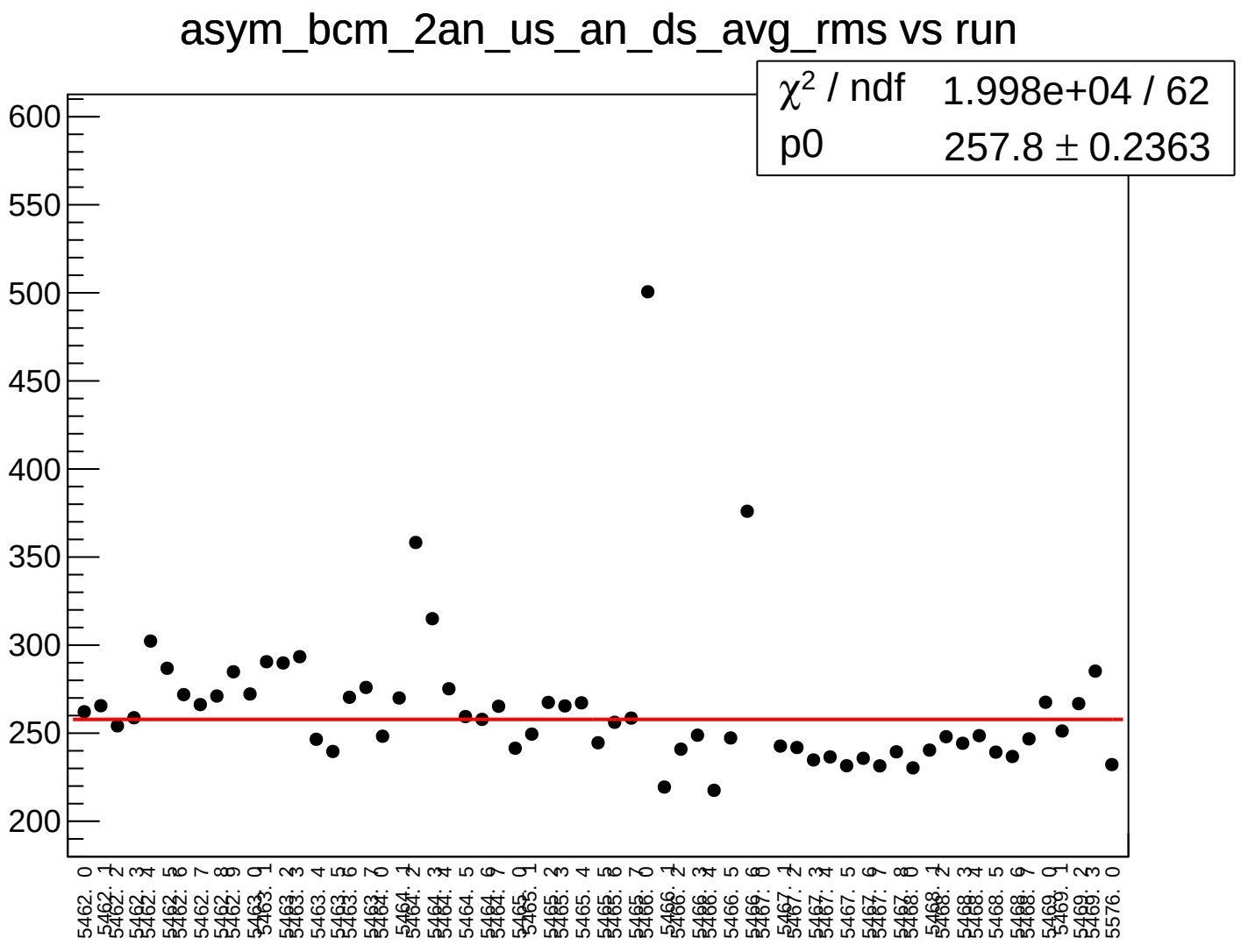

asym_bpm1i06WS_mean vs run
χ² / ndf 294.7 / 62
p0 −6503 ± 329.3
pull
Entries 63
Mean −1193
Std Dev 0

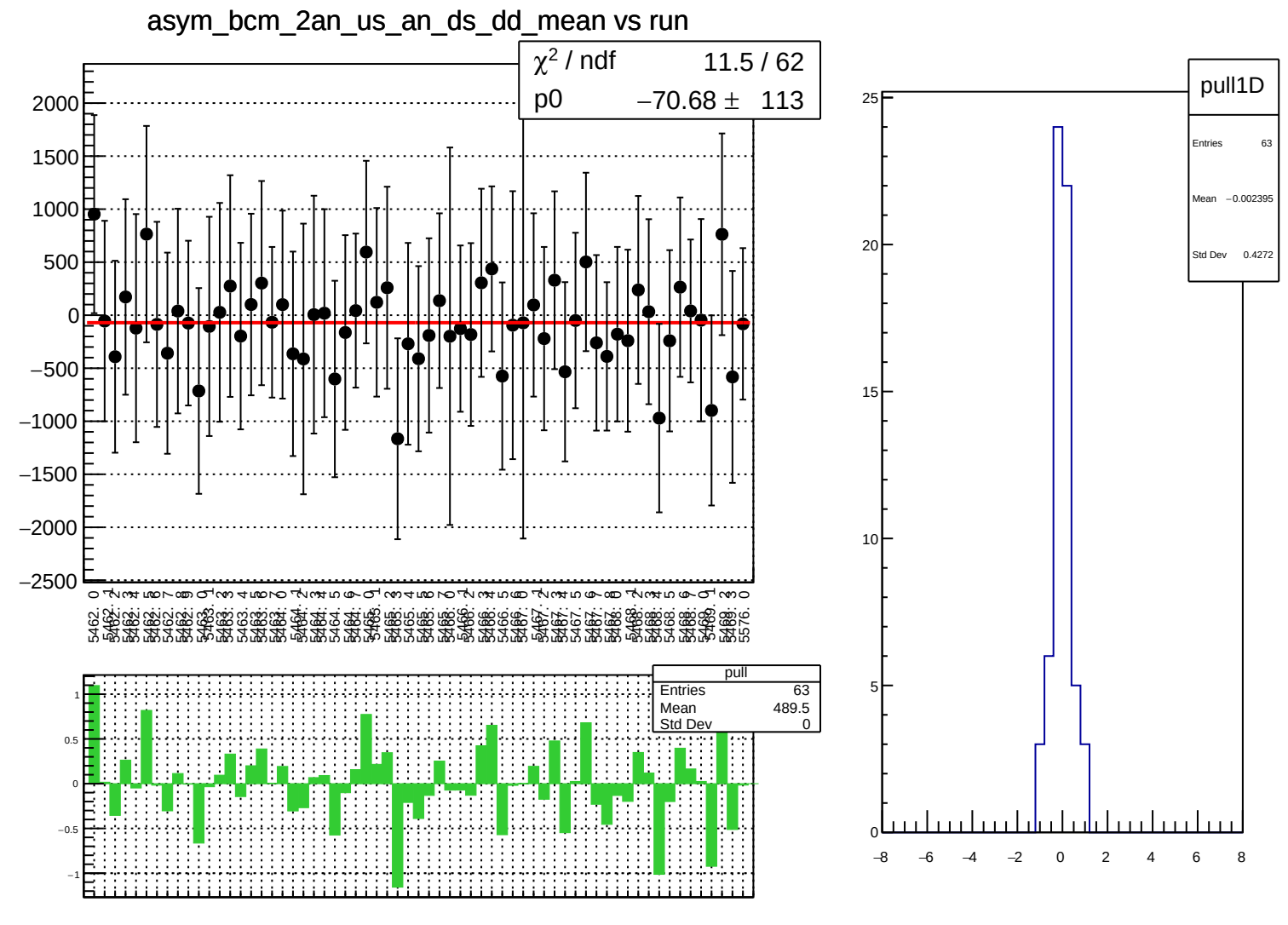

pull1D
Entries 63
Mean 0.02449
Std Dev 2.163

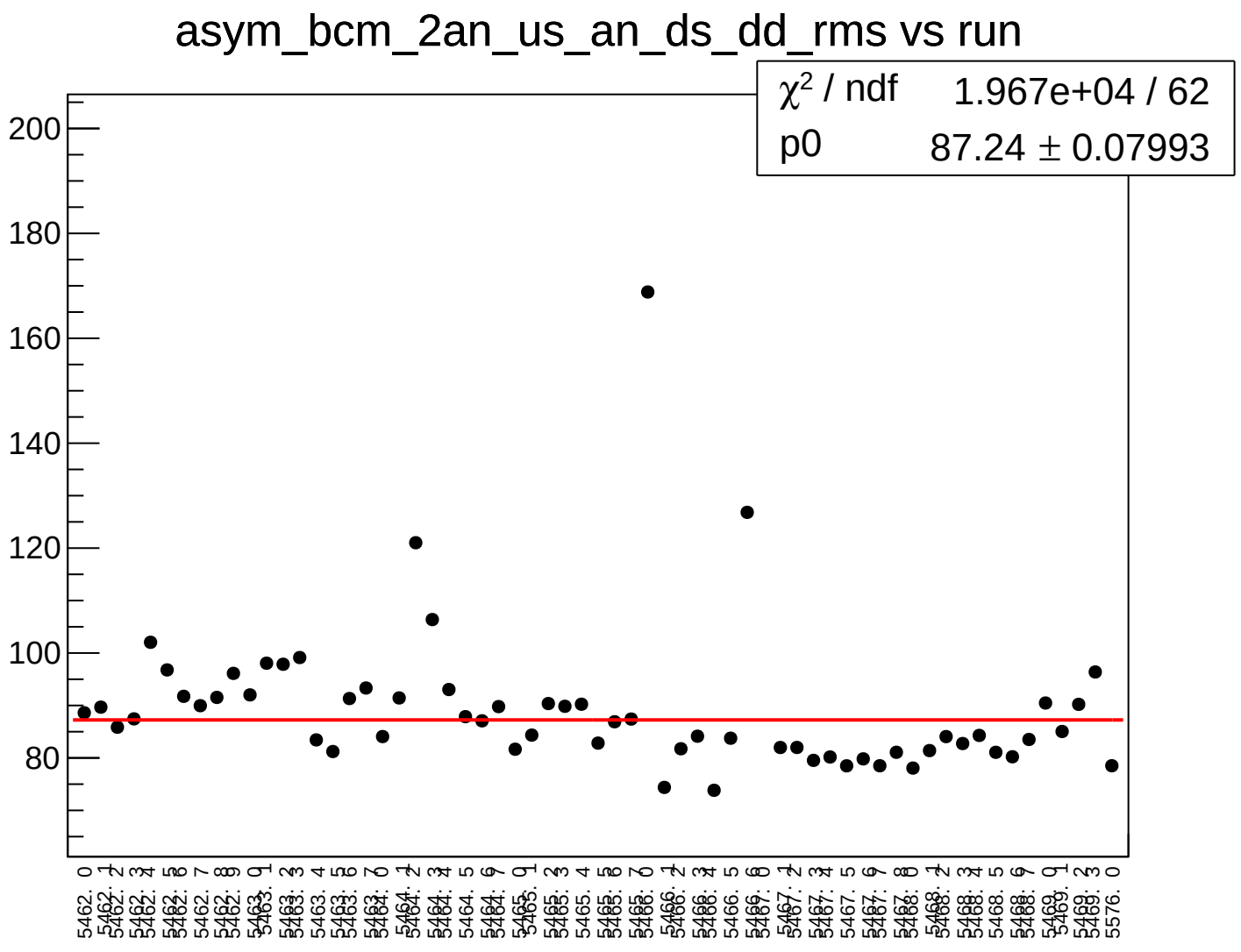

asym_bpm1i06WS_rms vs run
χ^2 / ndf 2.533e+04 / 62
p0 253.5 ± 0.2328
600
500
400
300
200

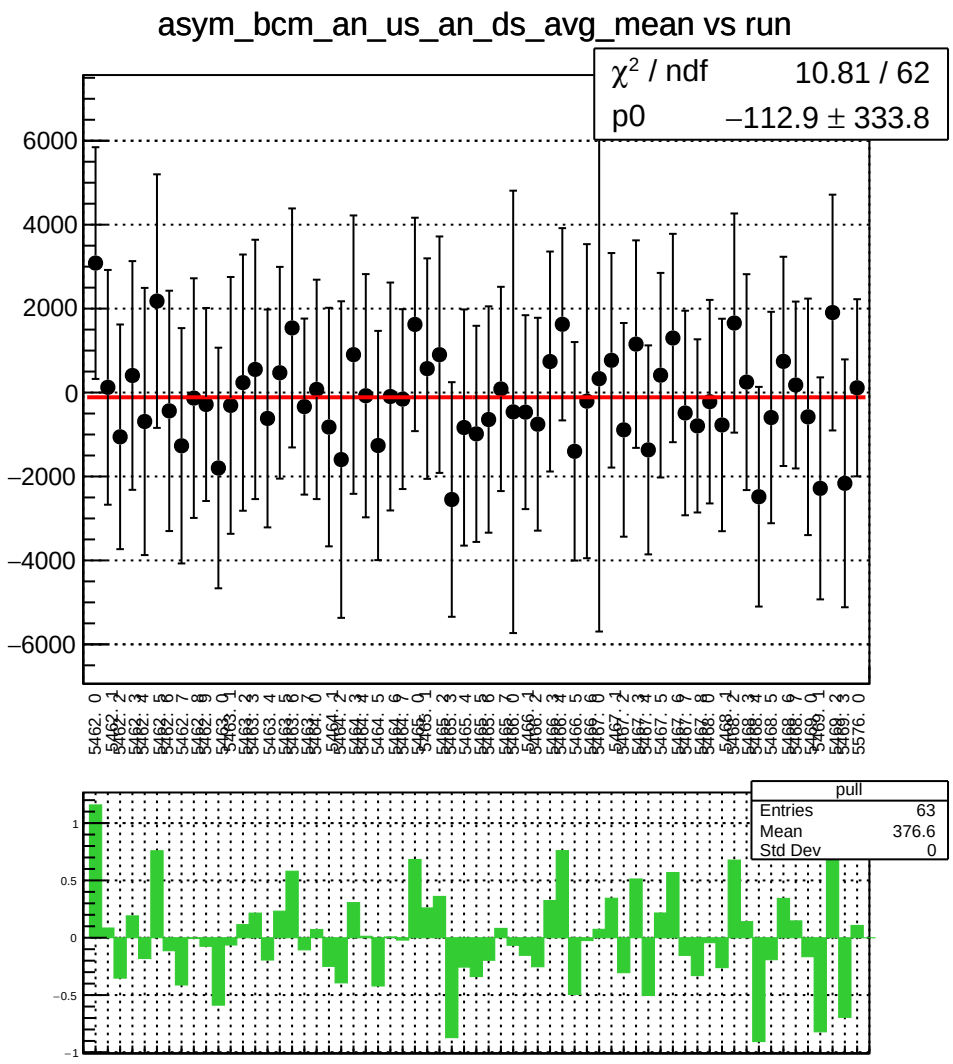

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 10.81 / 62
p0 −123.9 ± 334.1
pull
Entries 63
Mean 389.1
Std Dev 0

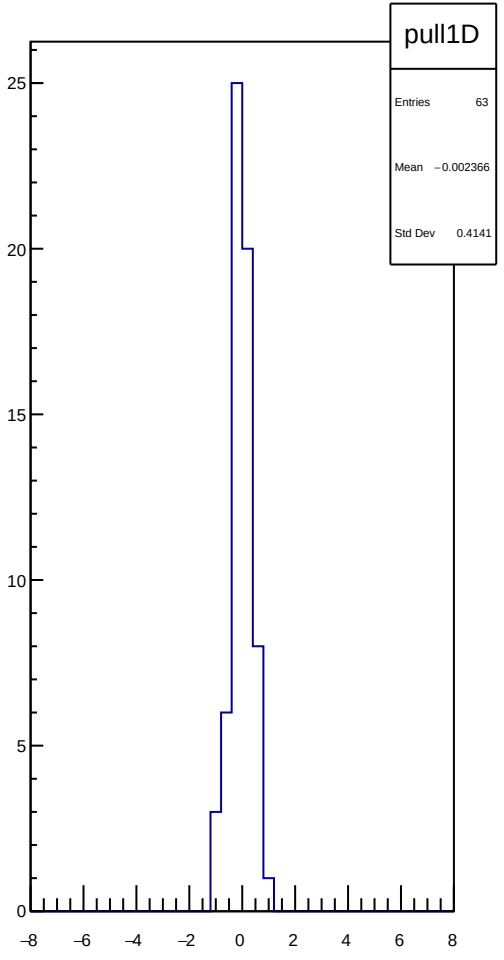

pull1D
Entries 63
Mean −0.002373
Std Dev 0.4143

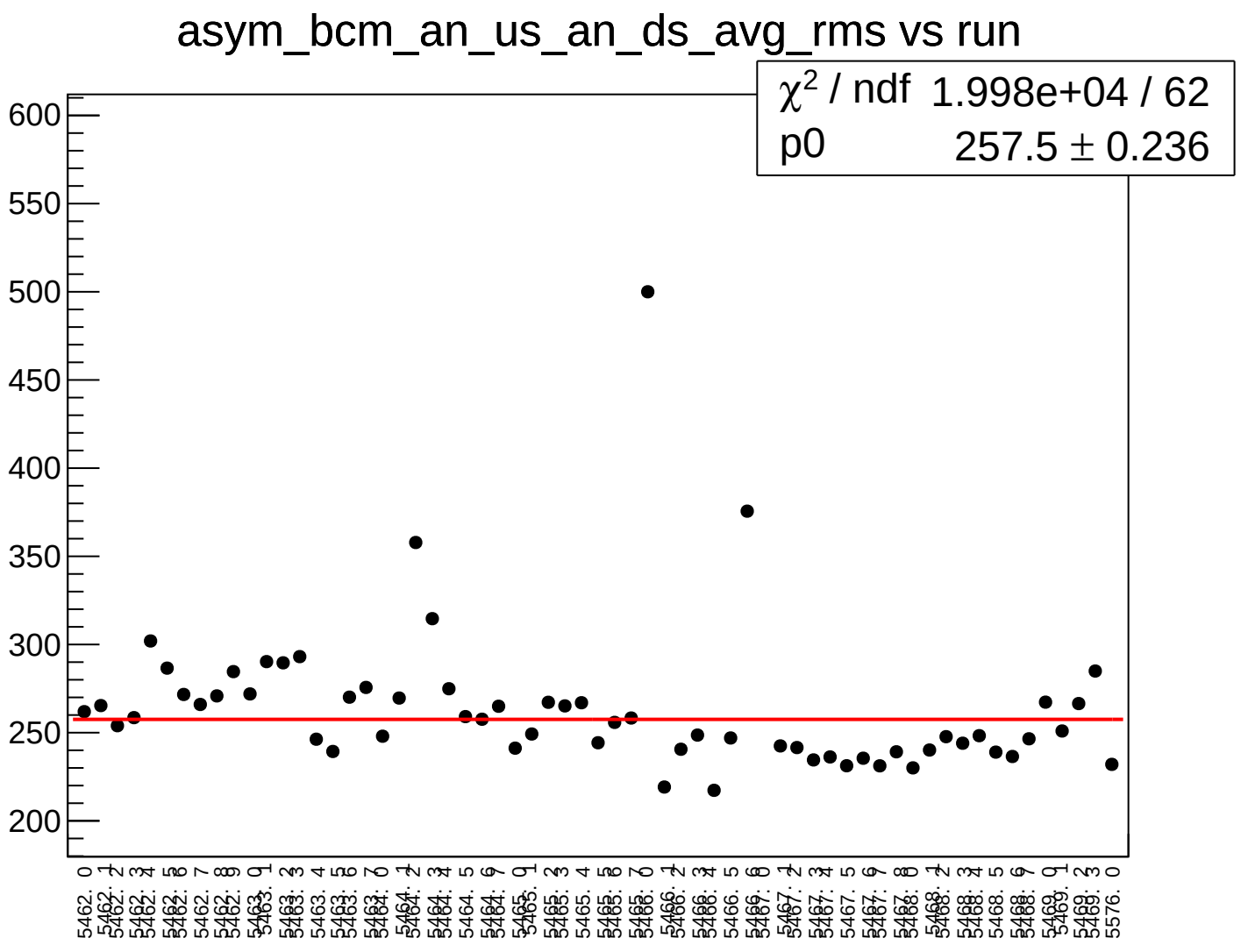

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 1.998e+04 / 62
p0 257.8 ± 0.2363
600
550
500
450
400
350
300
250
200

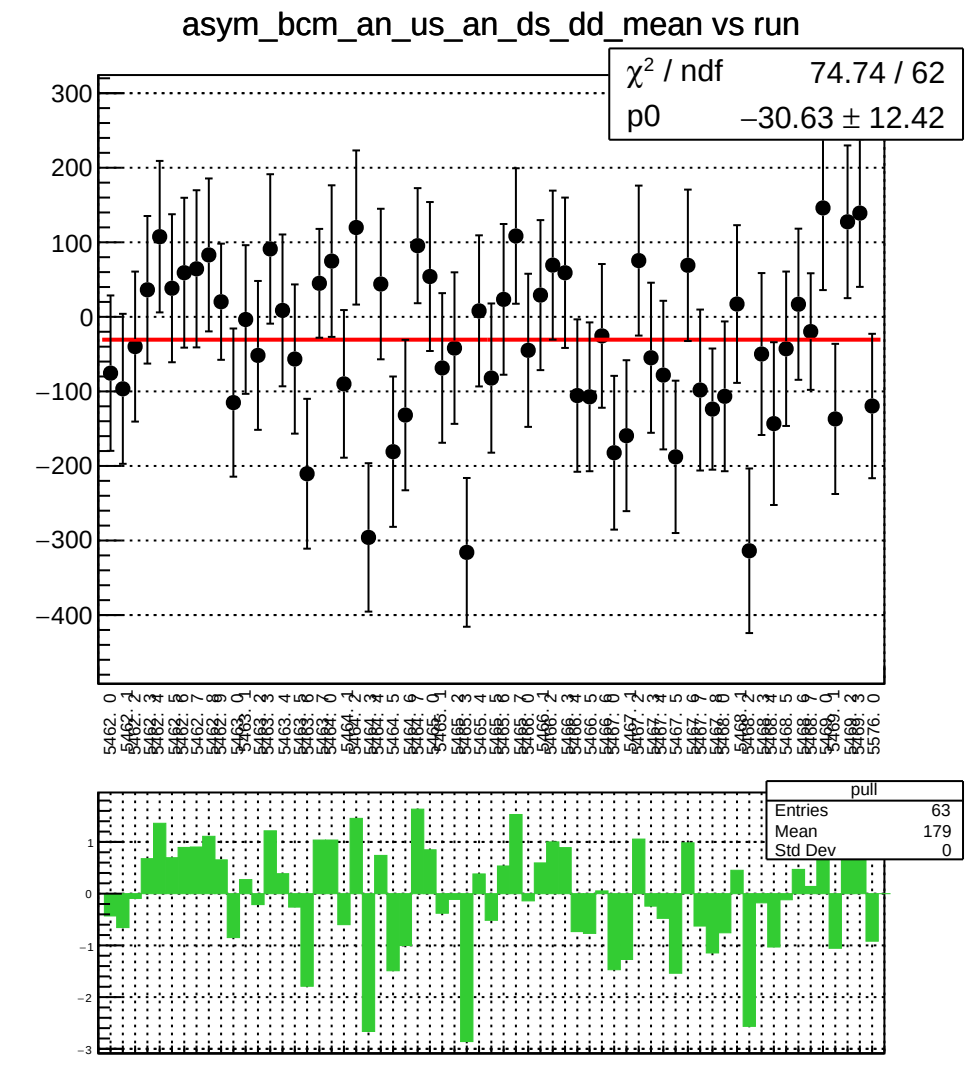

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 11.5 / 62
p0 −70.68 ± 113
pull
Entries 63
Mean 489.5
Std Dev 0
pull1D
Entries 63
Mean −0.002395
Std Dev 0.4272

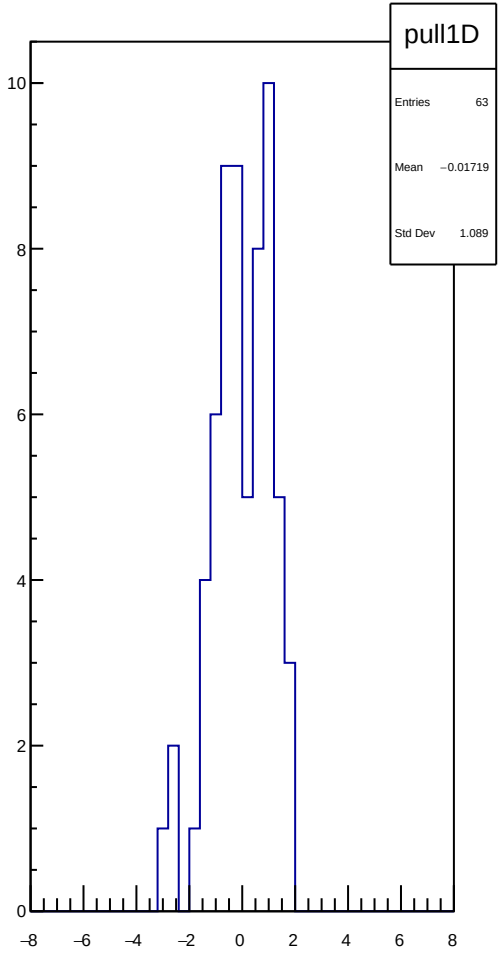

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 1.967e+04 / 62
p0 87.24 ± 0.07993
200
180
160
140
120
100
80

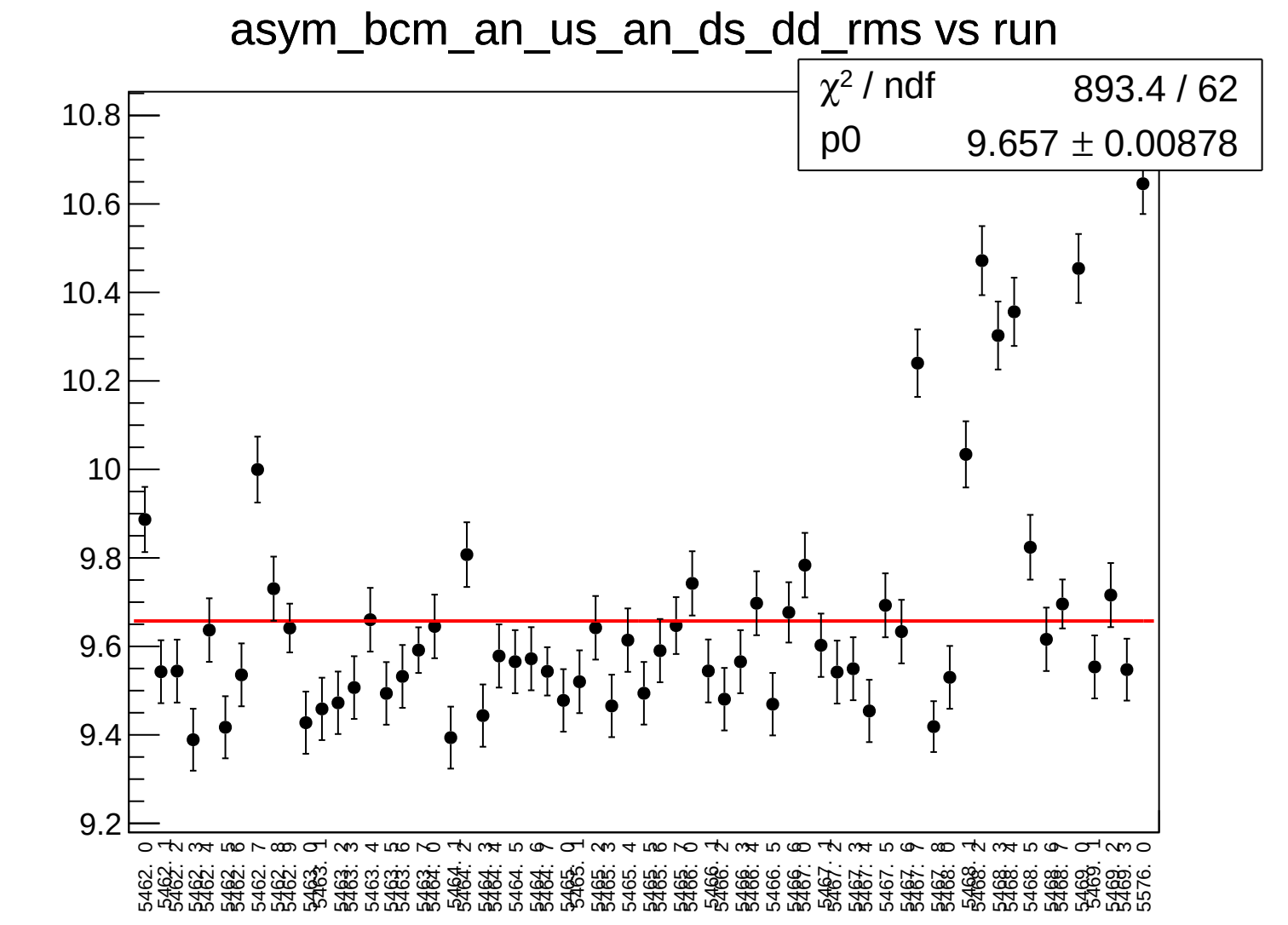

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 10.81 / 62
p0 −112.9 ± 333.8
pull
Entries 63
Mean 376.6
Std Dev 0

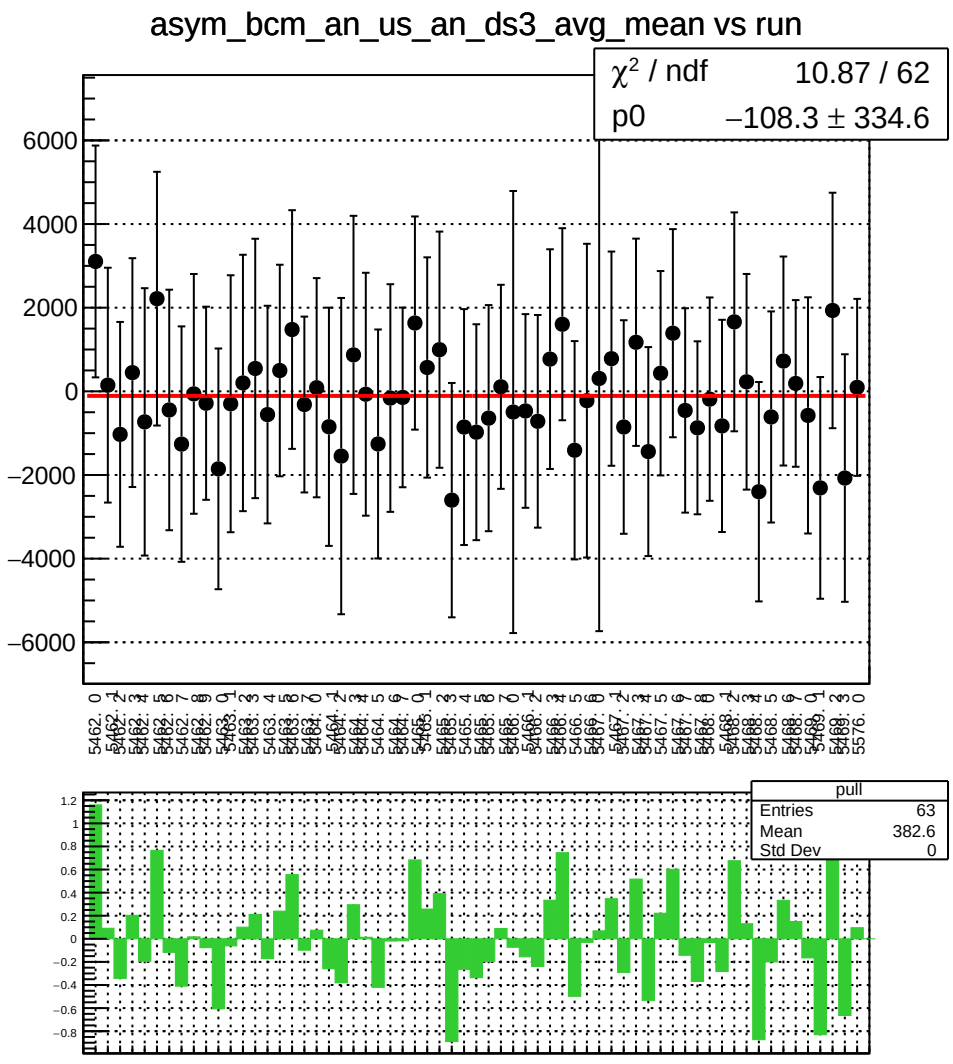

pull1D
Entries 63
Mean −0.002366
Std Dev 0.4141

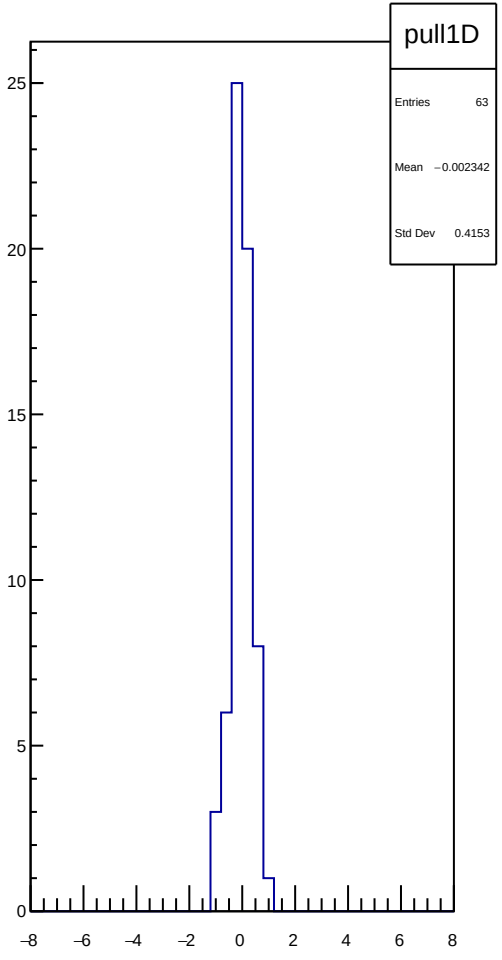

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 1.998e+04 / 62
p0 257.5 ± 0.236
600
550
500
450
400
350
300
250
200

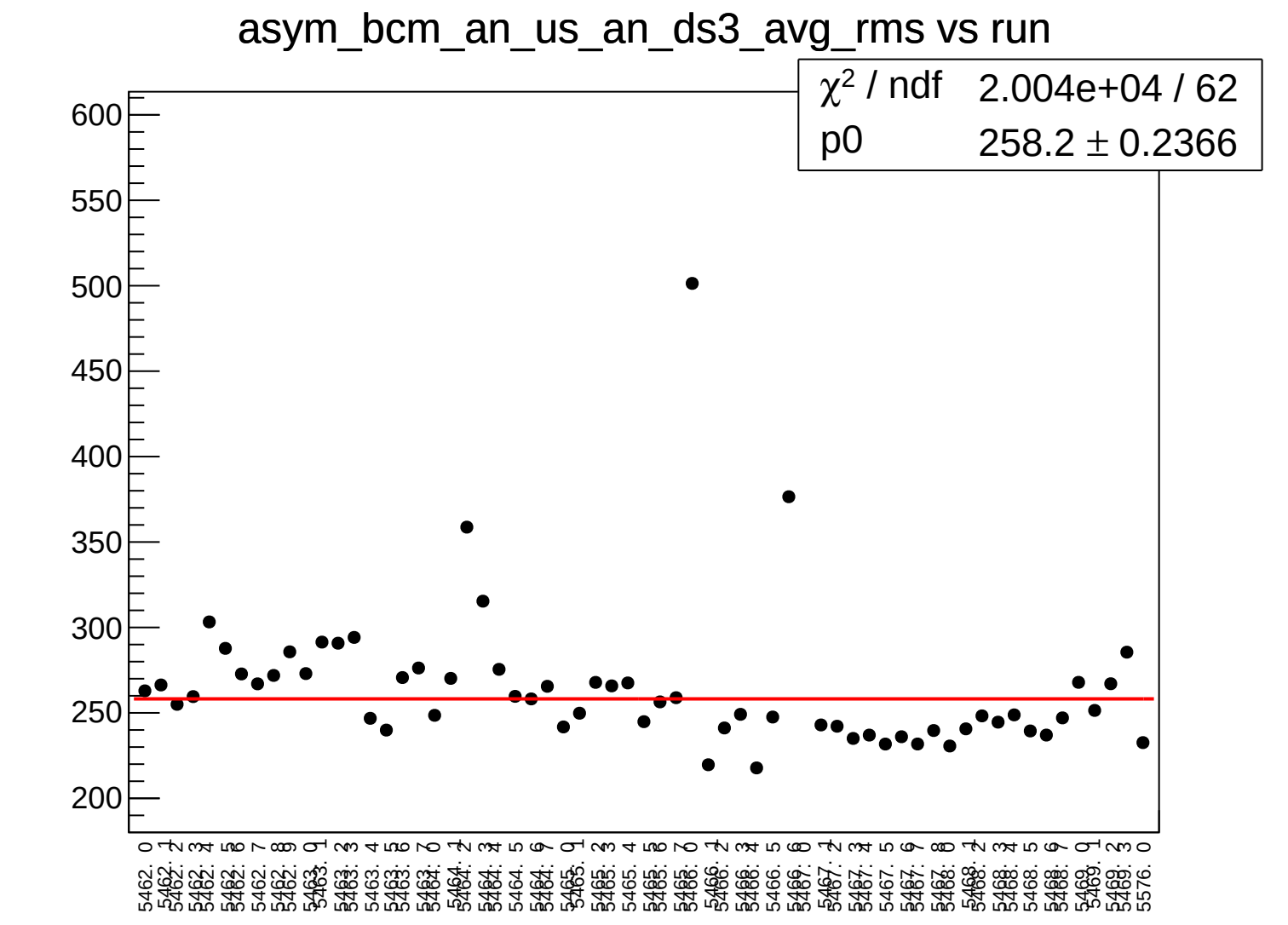

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 74.74 / 62
p0 −30.63 ± 12.42
pull
Entries 63
Mean 179
Std Dev 0

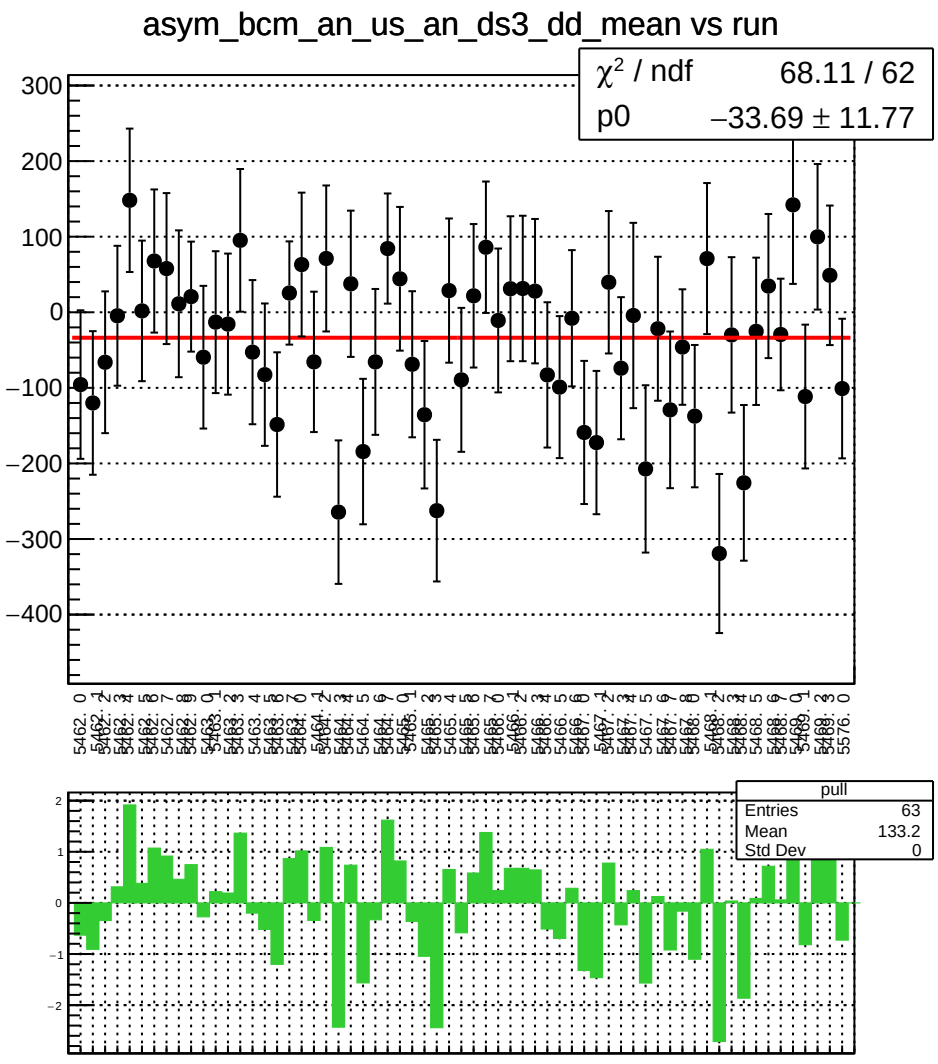

pull1D
Entries 63
Mean −0.01719
Std Dev 1.089

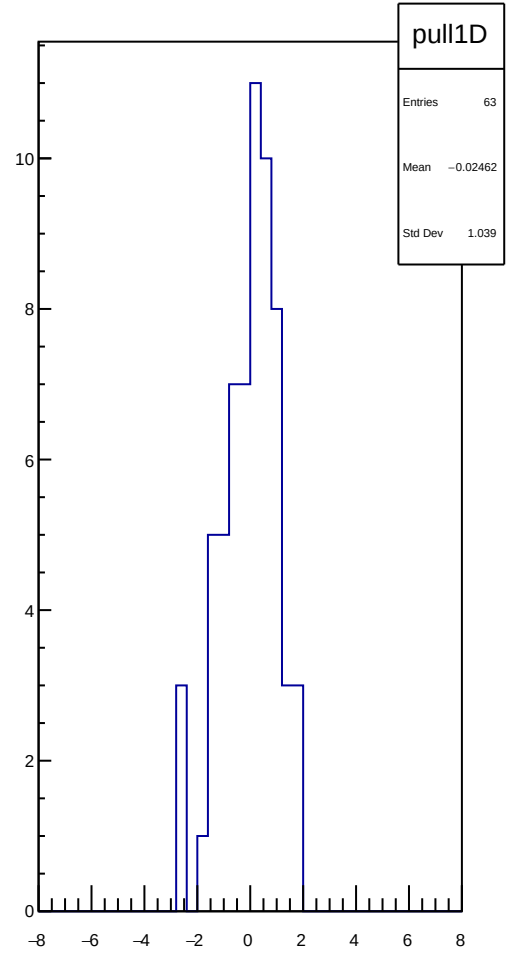

asym_bcm_an_us_an_ds_dd_rms vs run
χ^2 / ndf 893.4 / 62
p0 9.657 ± 0.00878
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

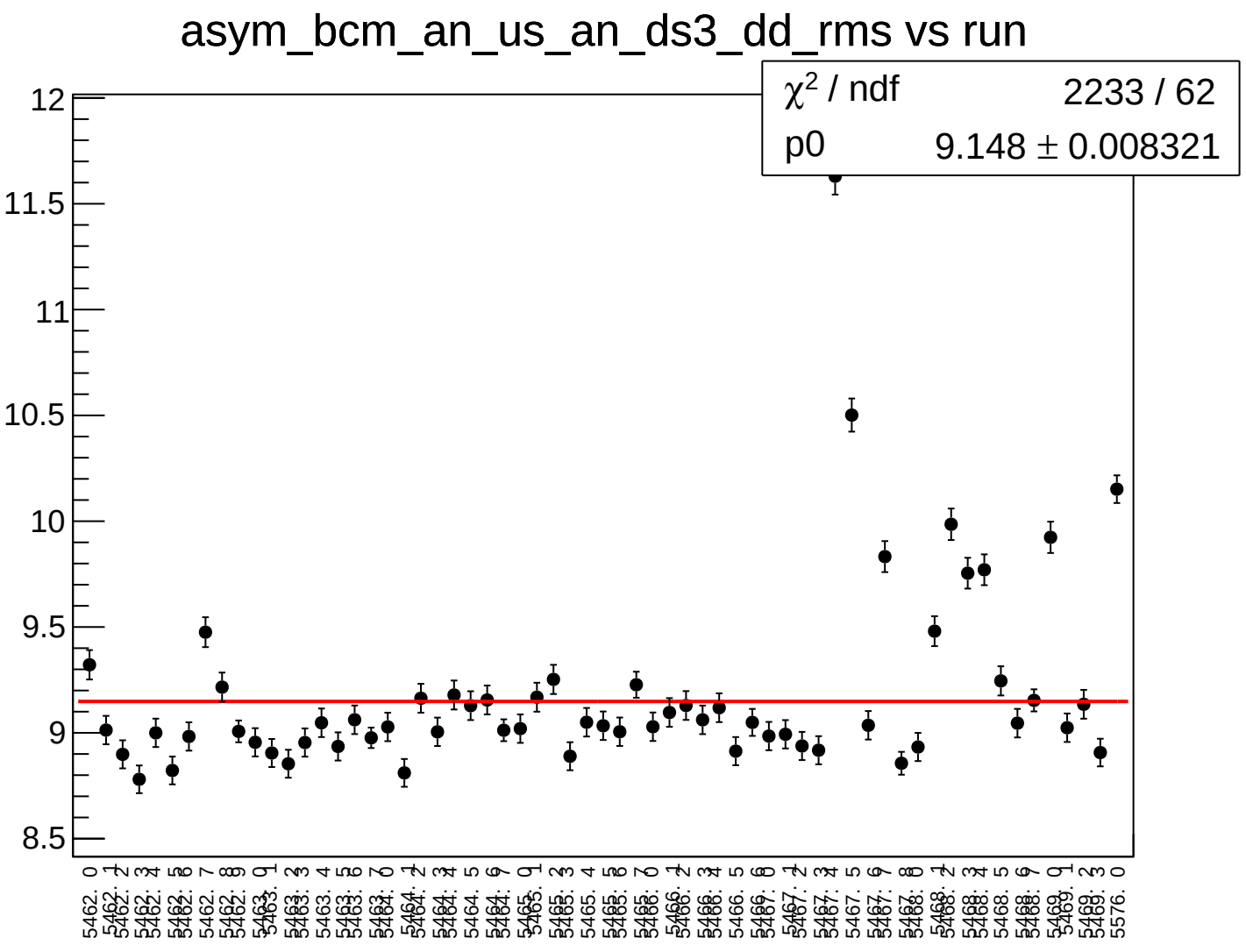

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 10.87 / 62
p0 −108.3 ± 334.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 382.6
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

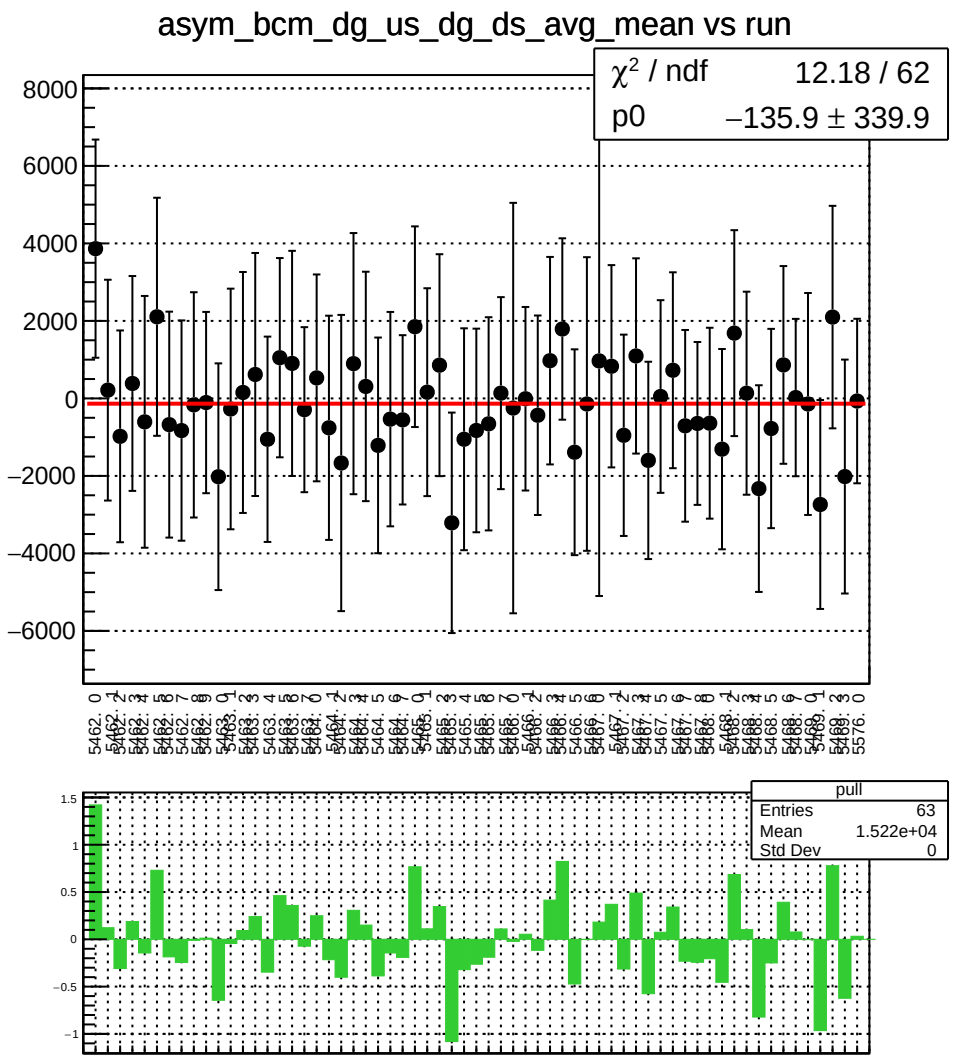

pull1D
Entries 63
Mean −0.002342
Std Dev 0.4153
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

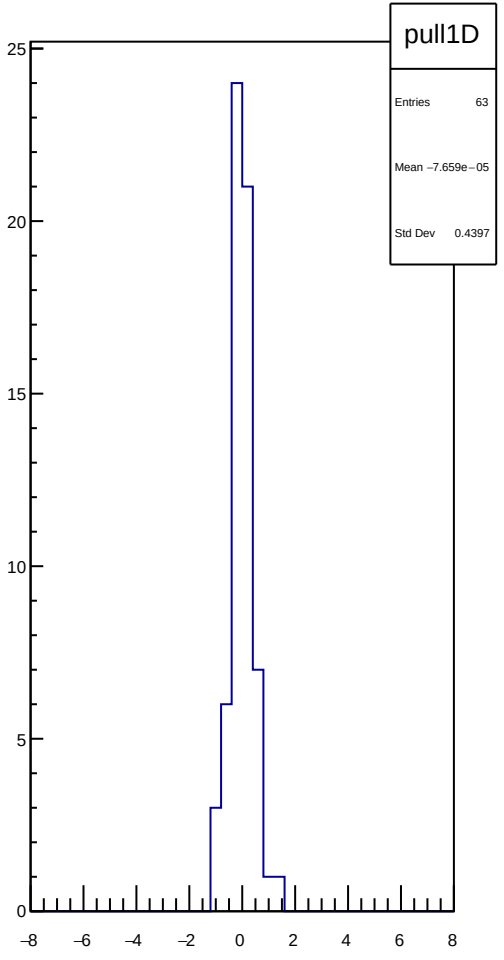

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 2.004e+04 / 62
p0 258.2 ± 0.2366
600
550
500
450
400
350
300
250
200

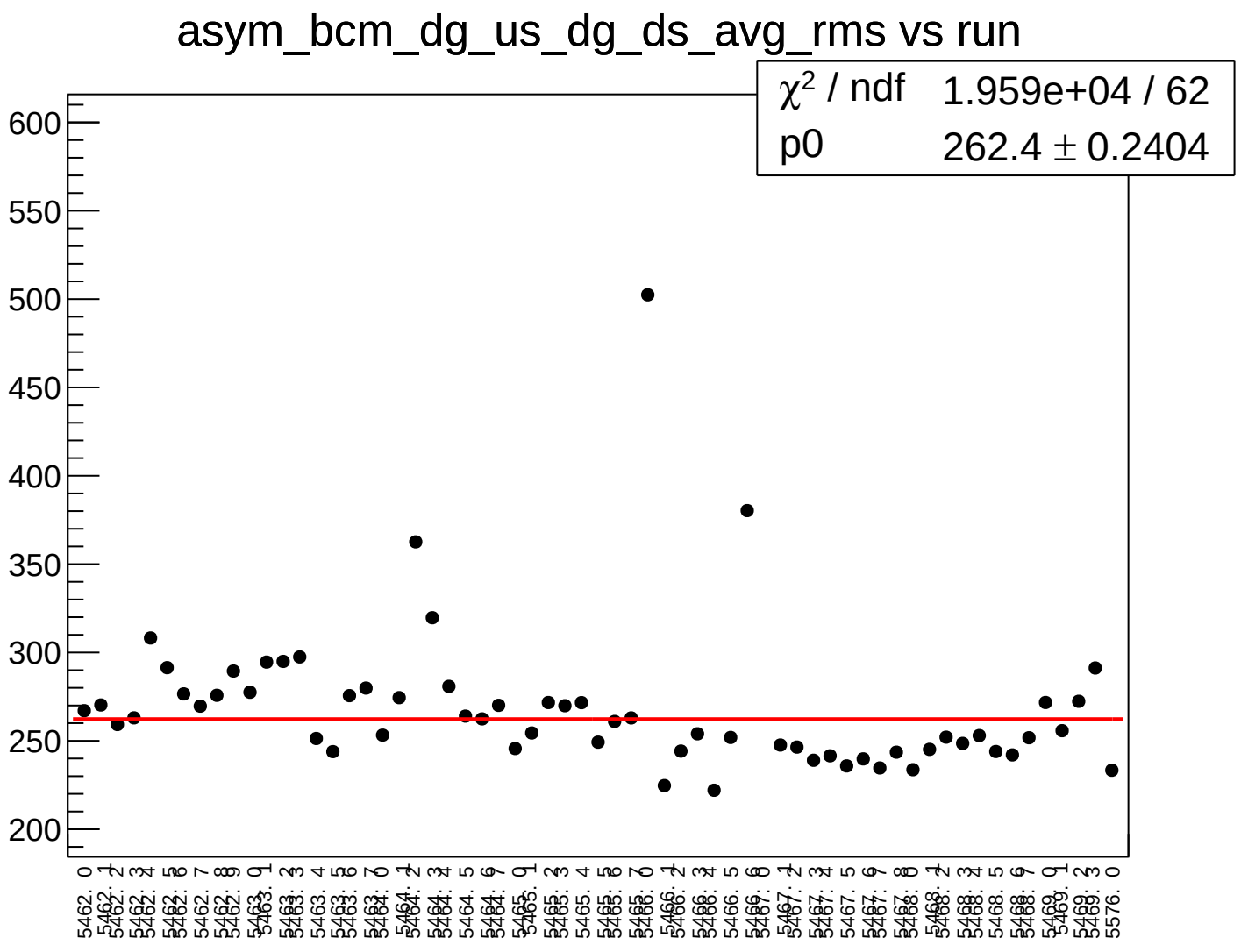

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 68.11 / 62
p0 −33.69 ± 11.77
pull
Entries 63
Mean 133.2
Std Dev 0

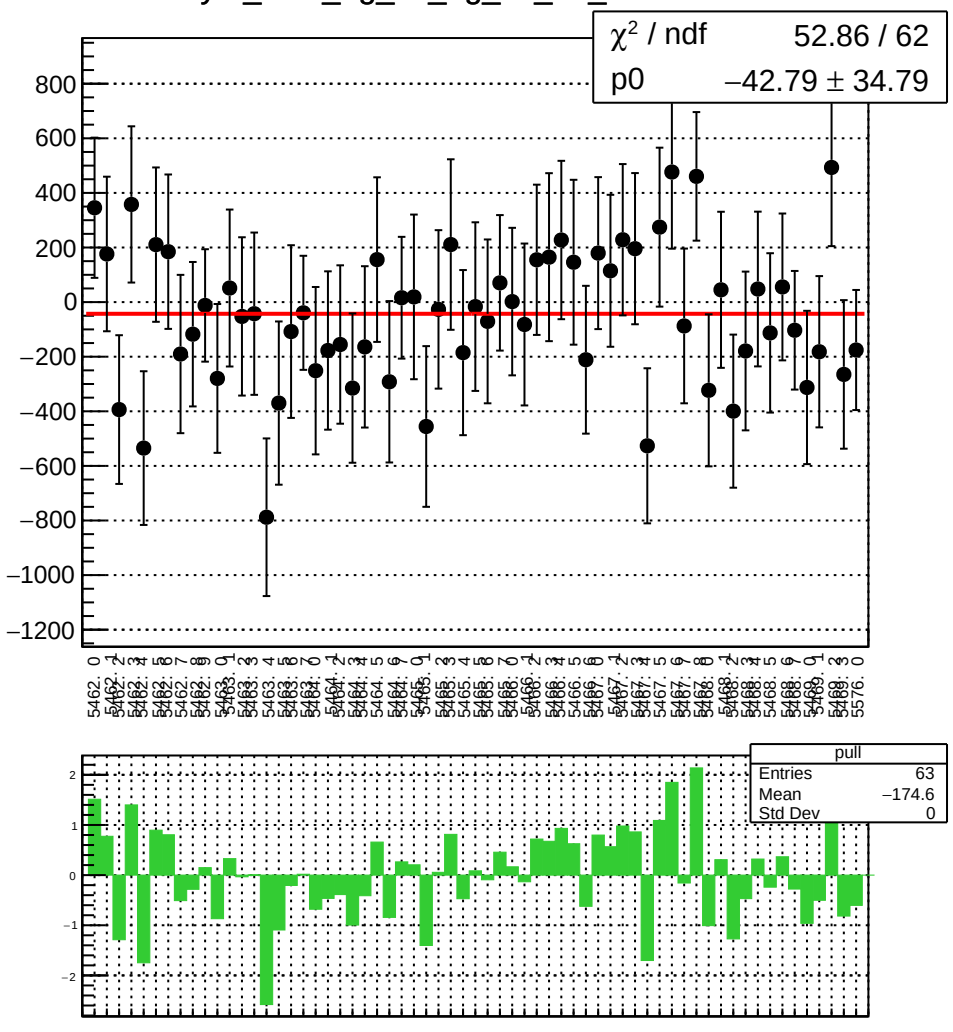

pull1D
Entries 63
Mean −0.02462
Std Dev 1.039

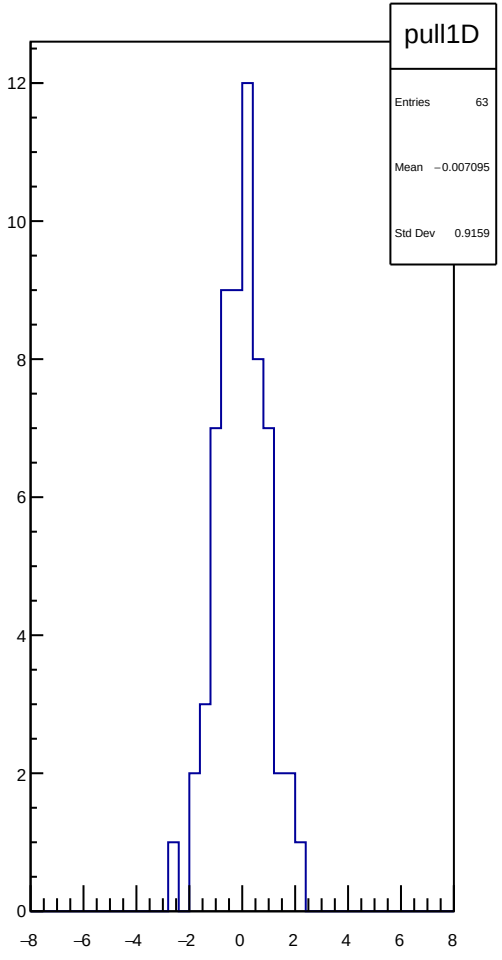

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 2233 / 62
p0 9.148 ± 0.008321
12
11.5
11
10.5
10
9.5
9
8.5

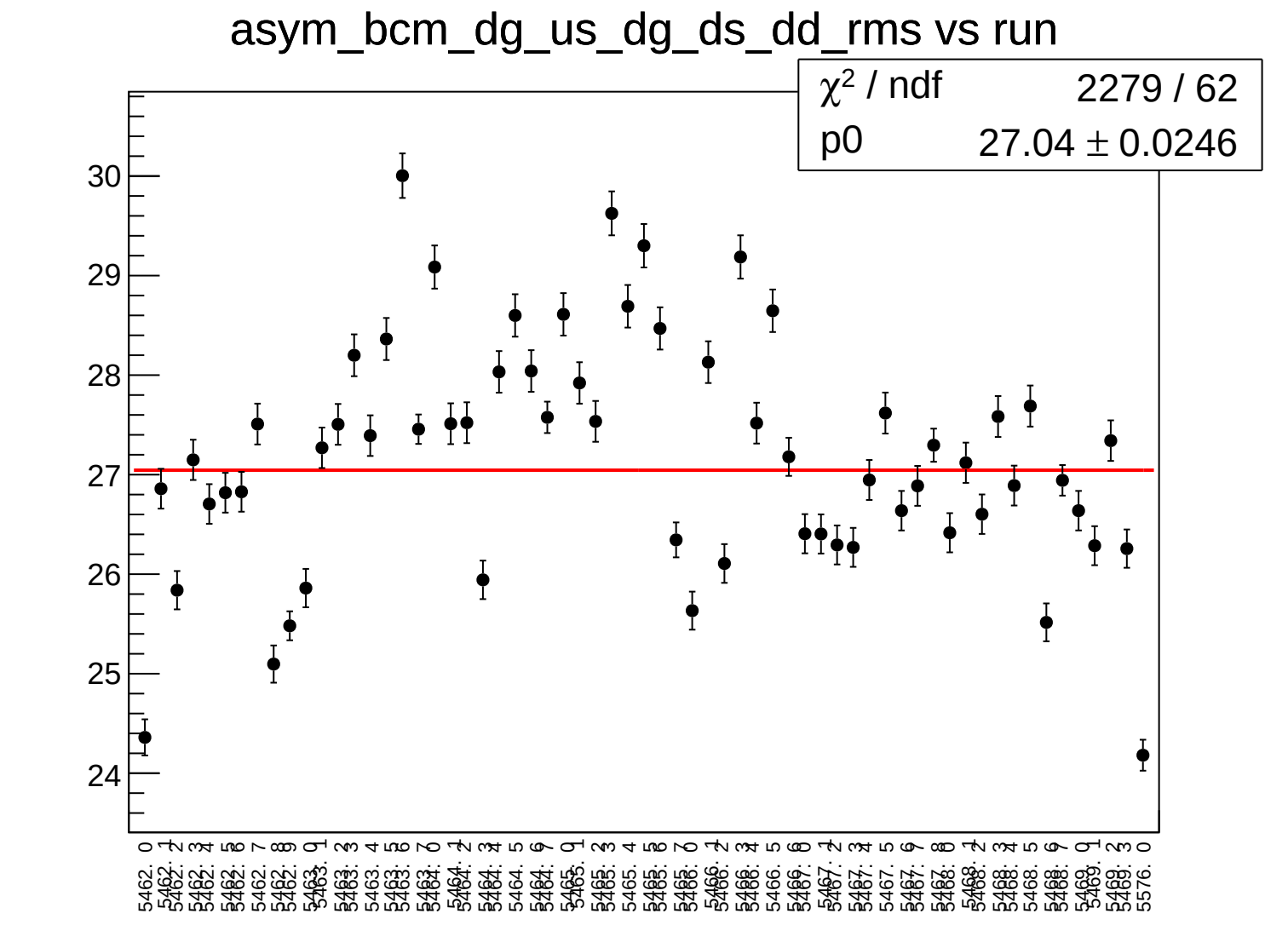

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 12.18 / 62
p0 −135.9 ± 339.9
pull
Entries 63
Mean 1.522e+04
Std Dev 0

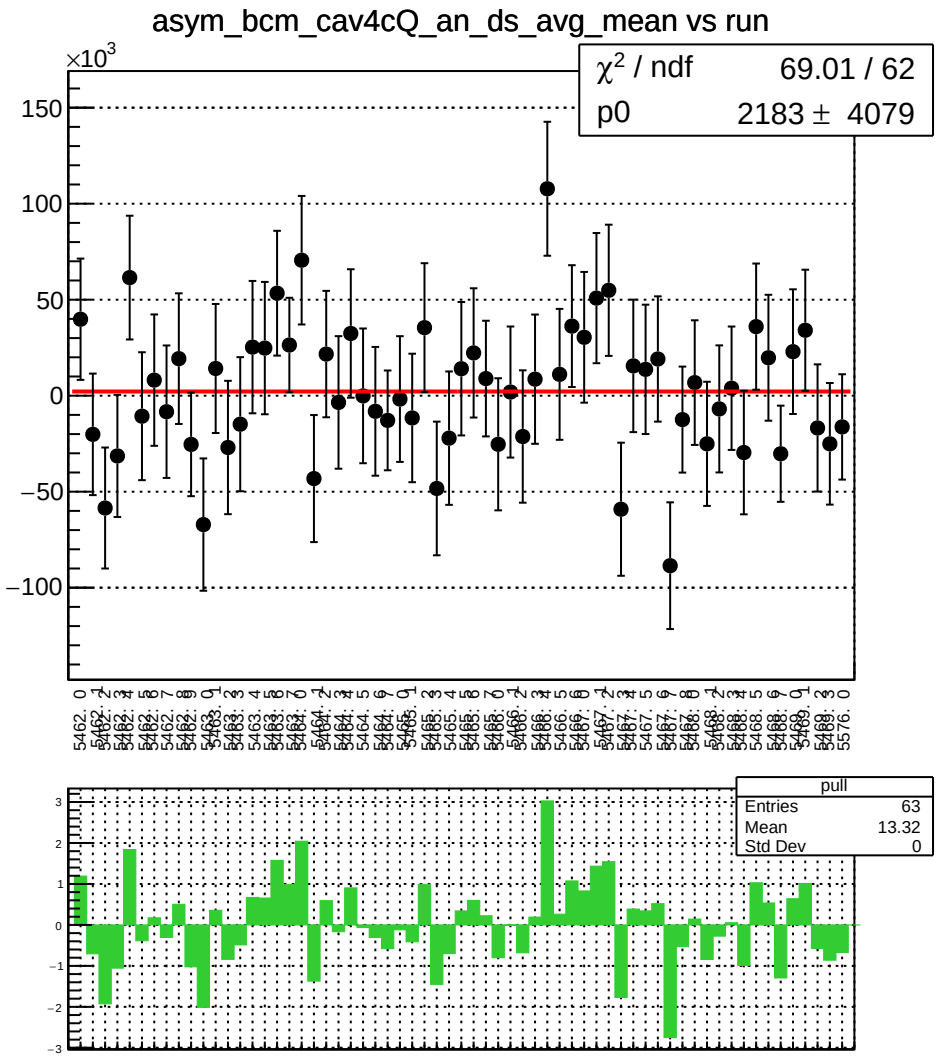

pull1D
Entries 63
Mean −7.659e−05
Std Dev 0.4397

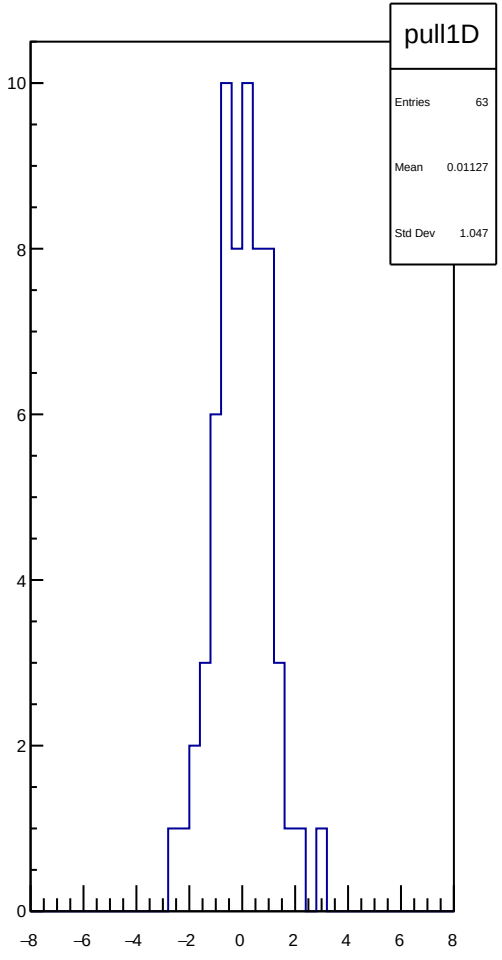

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 1.959e+04 / 62
p0 262.4 ± 0.2404
600
550
500
450
400
350
300
250
200

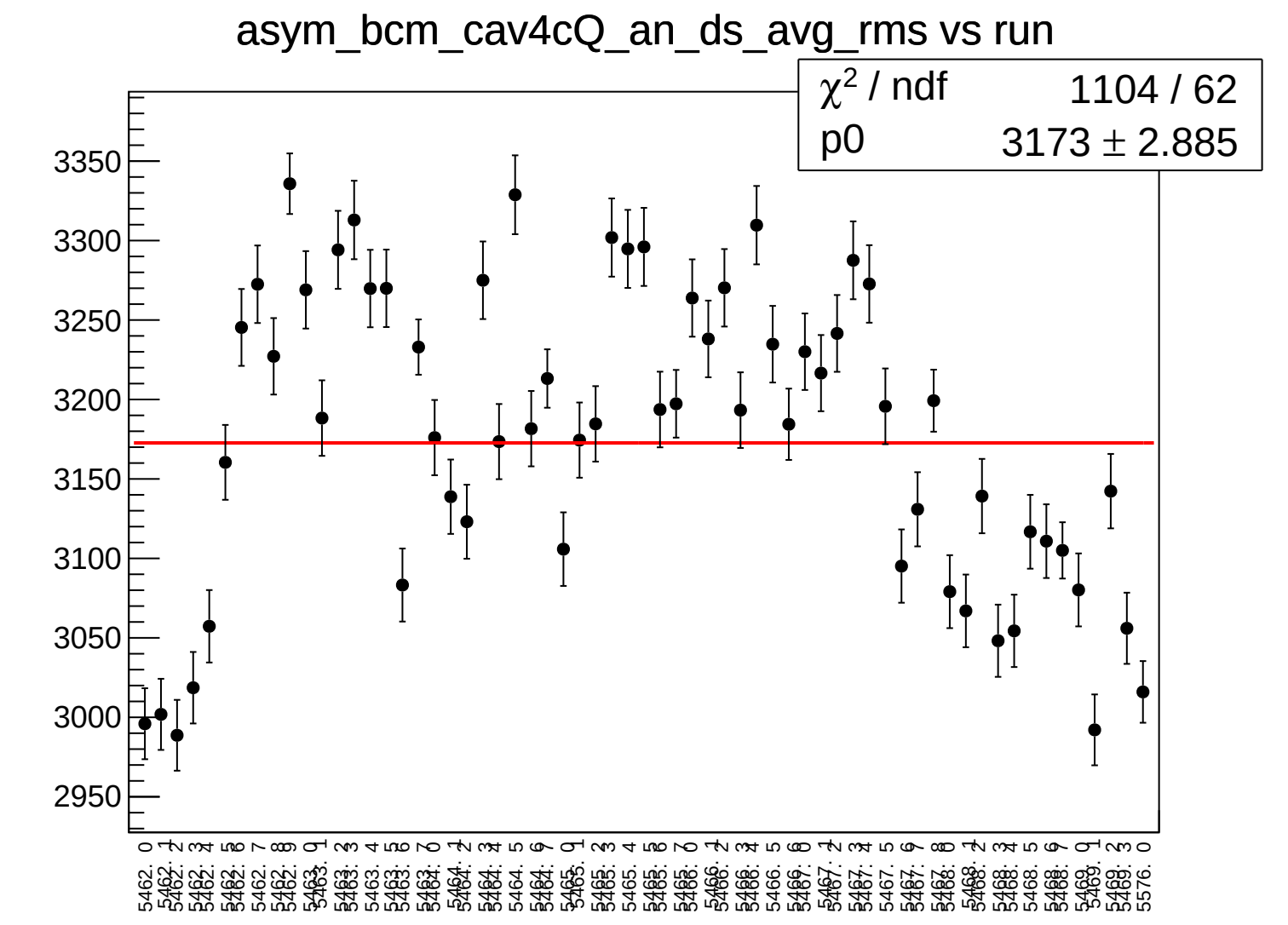

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 52.86 / 62
p0 −42.79 ± 34.79
pull
Entries 63
Mean −174.6
Std Dev 0

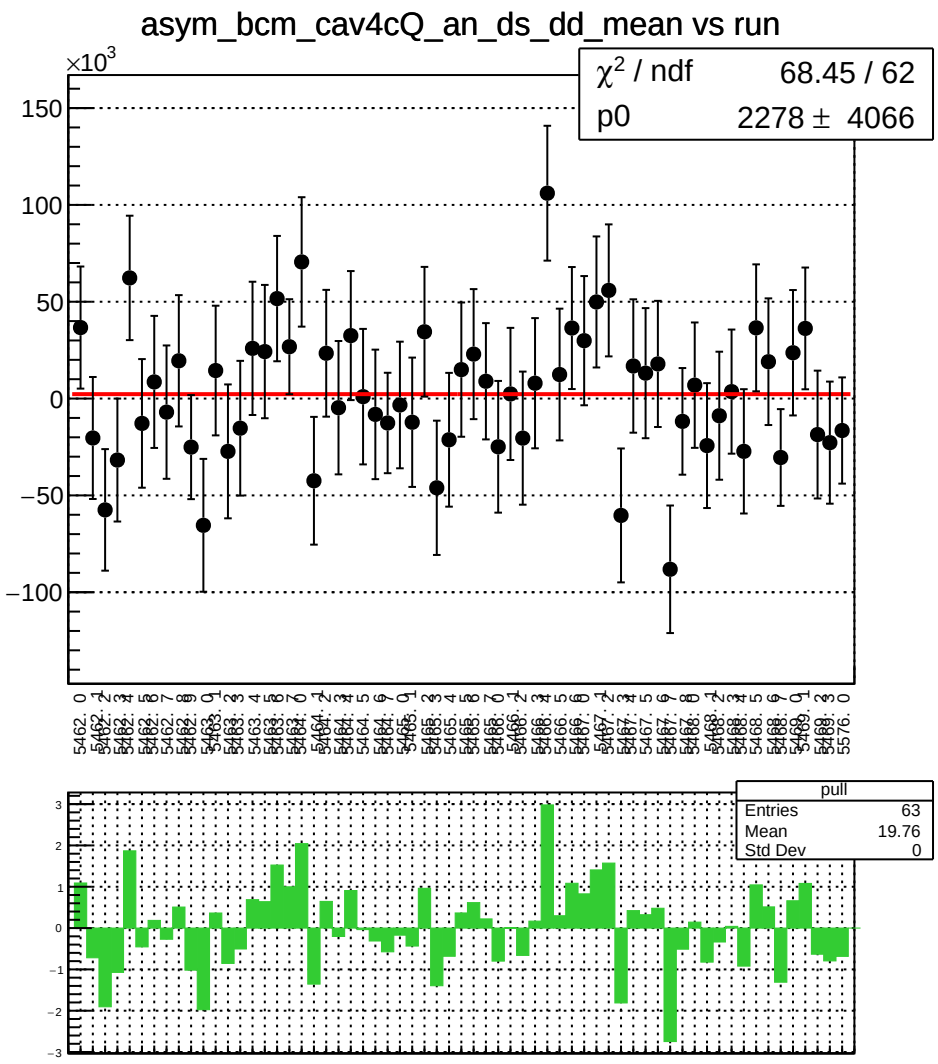

pull1D
Entries 63
Mean −0.007095
Std Dev 0.9159

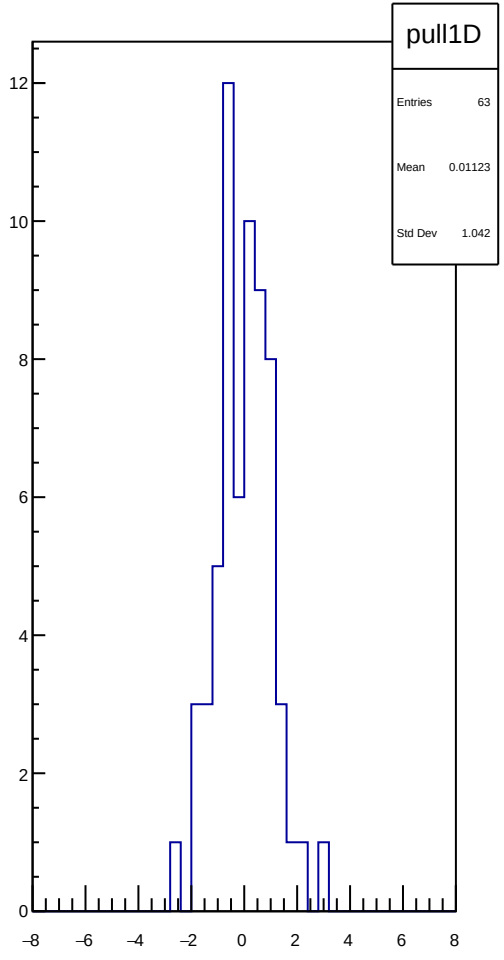

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2279 / 62
p0 27.04 ± 0.0246
30
29
28
27
26
25
24

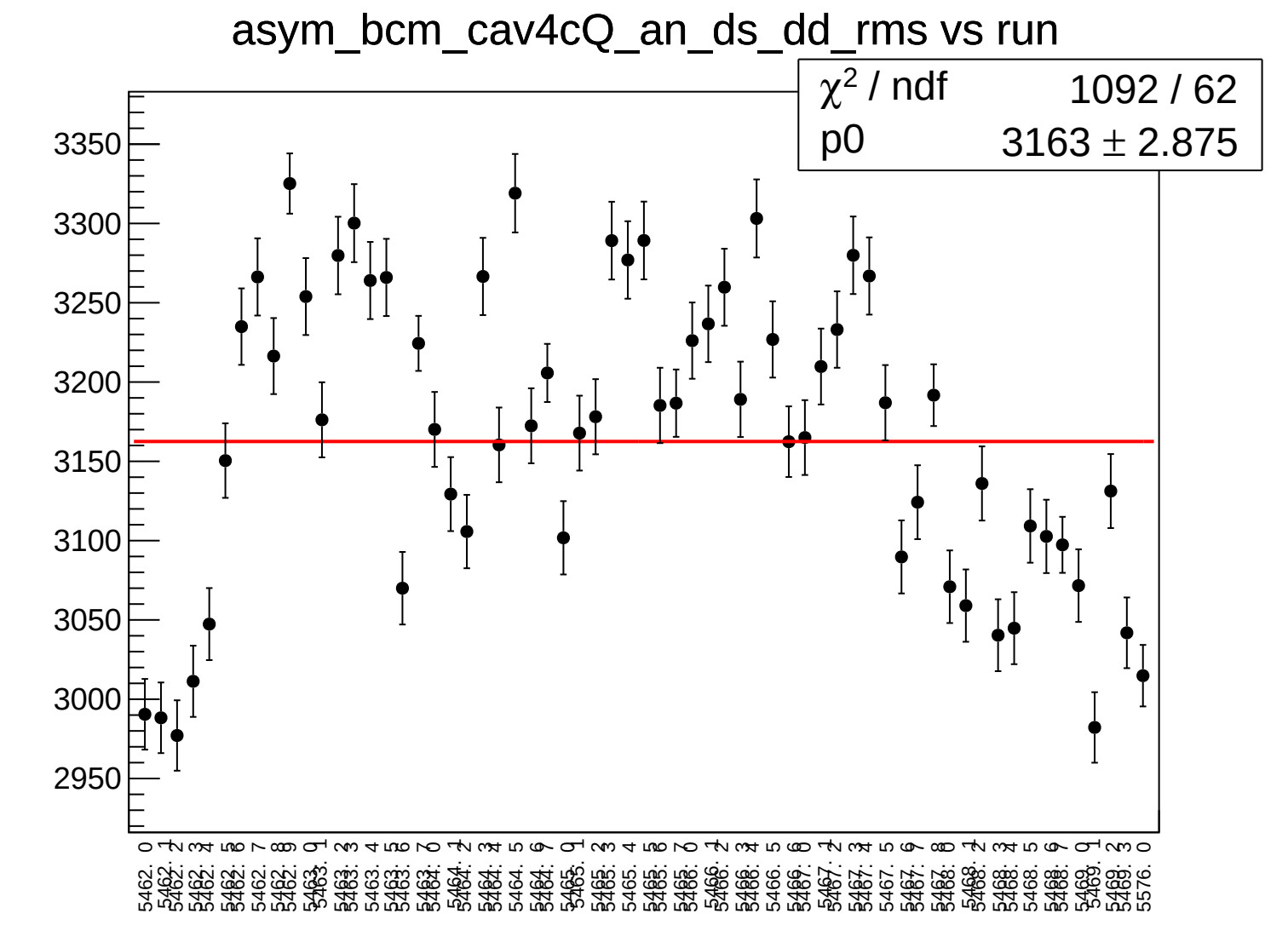

asym_bcm_cav4cQ_an_ds_avg_mean vs run
×10^3
χ² / ndf 69.01 / 62
p0 2183 ± 4079
150
100
50
0
−50
−100
pull
Entries 63
Mean 13.32
Std Dev 0
3
2
1
0
−1
−2
−3

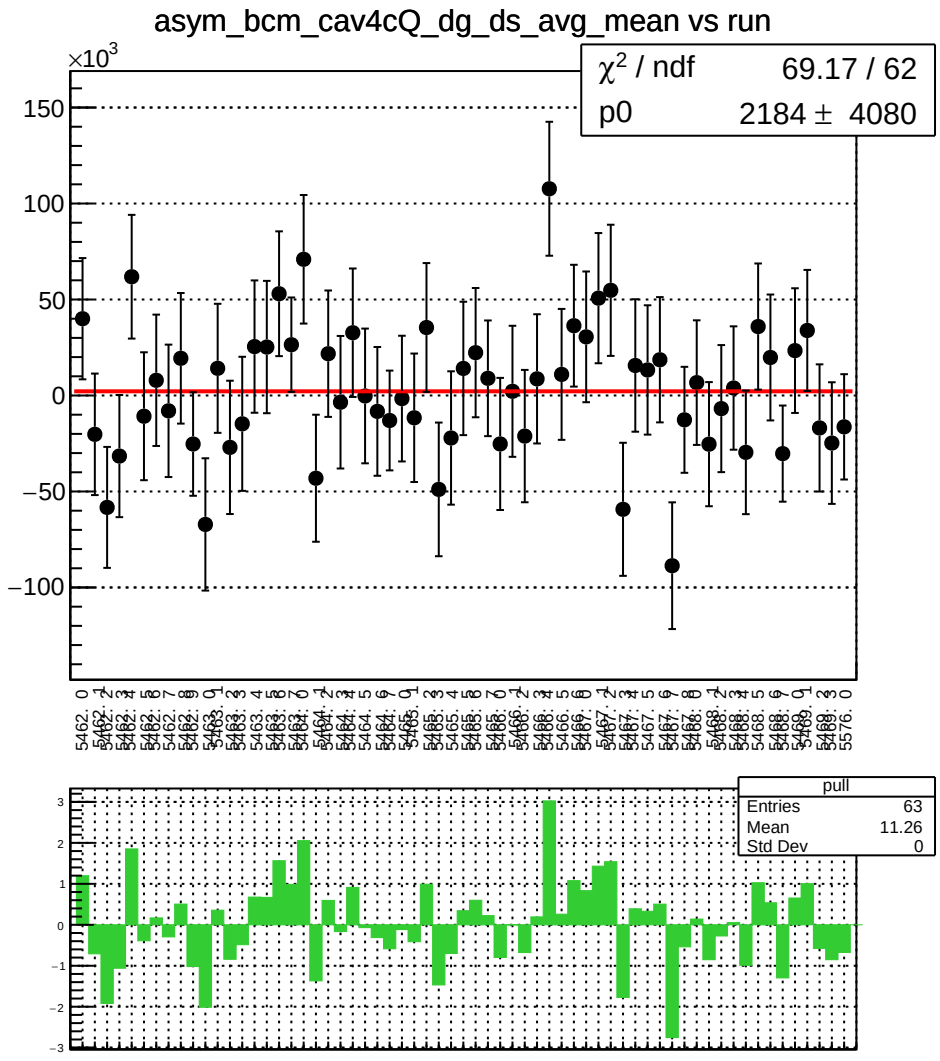

pull1D
Entries 63
Mean 0.01127
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

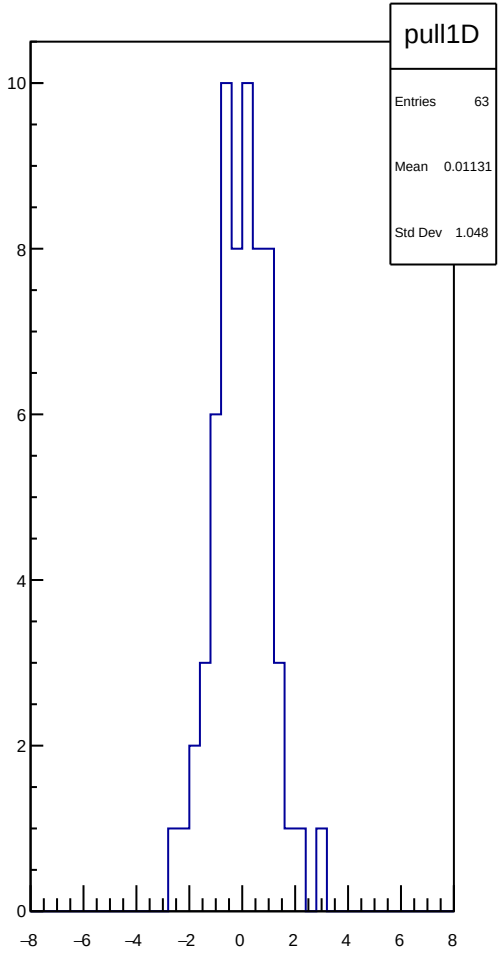

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 1104 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950

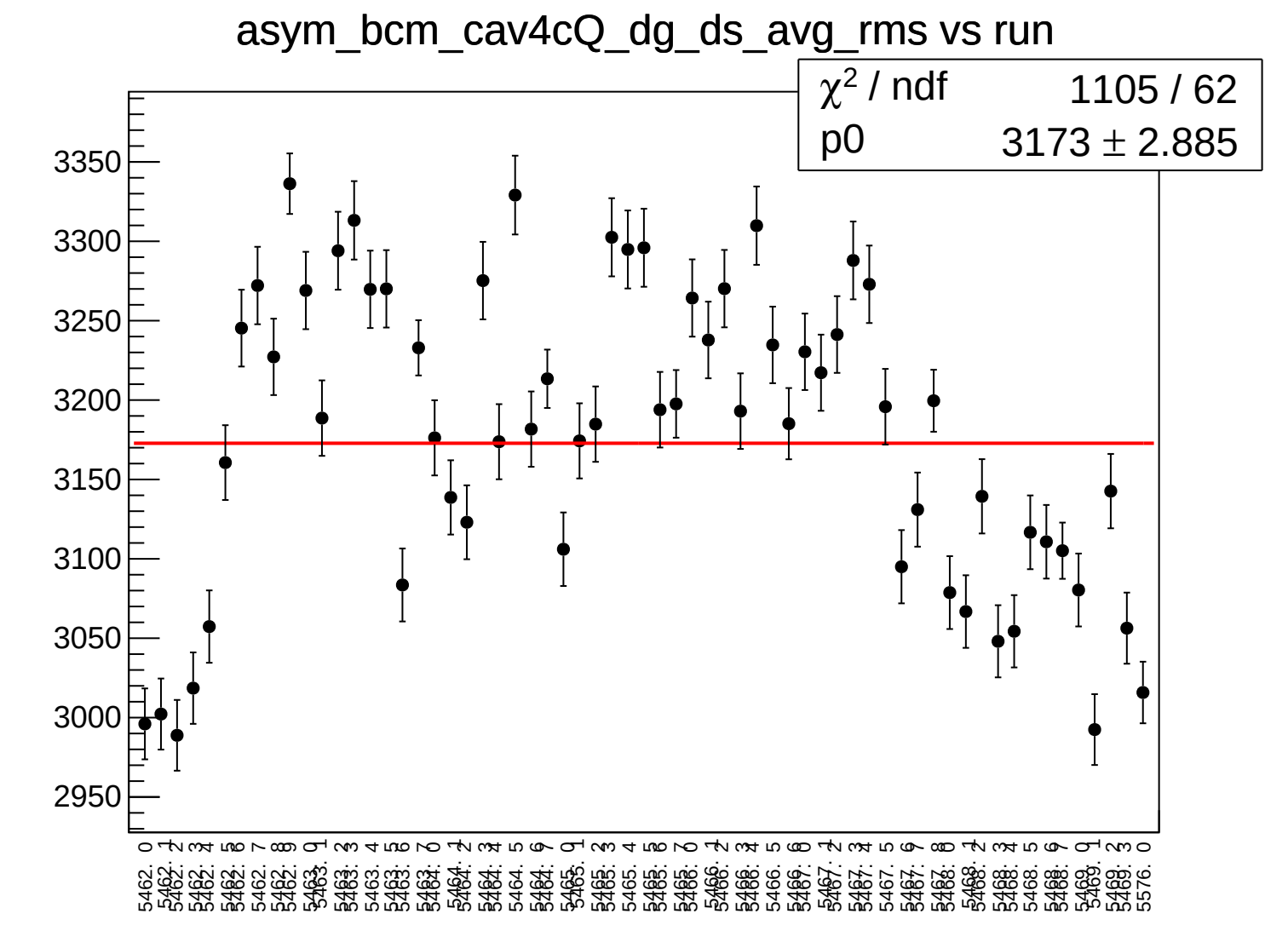

asym_bcm_cav4cQ_an_ds_dd_mean vs run
×10^3
χ^2 / ndf 68.45 / 62
p0 2278 ± 4066
150
100
50
0
−50
−100
pull
Entries 63
Mean 19.76
Std Dev 0
3
2
1
0
−1
−2
−3

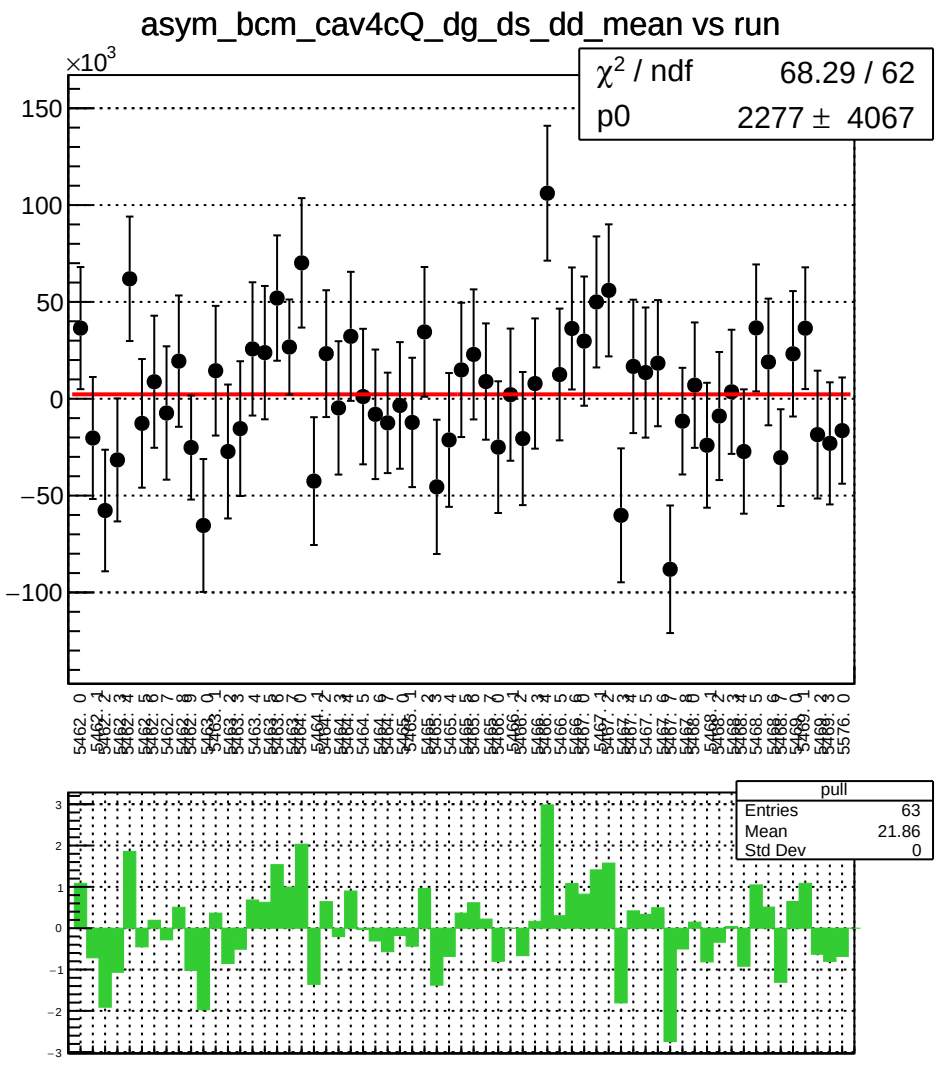

pull1D
Entries 63
Mean 0.01123
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

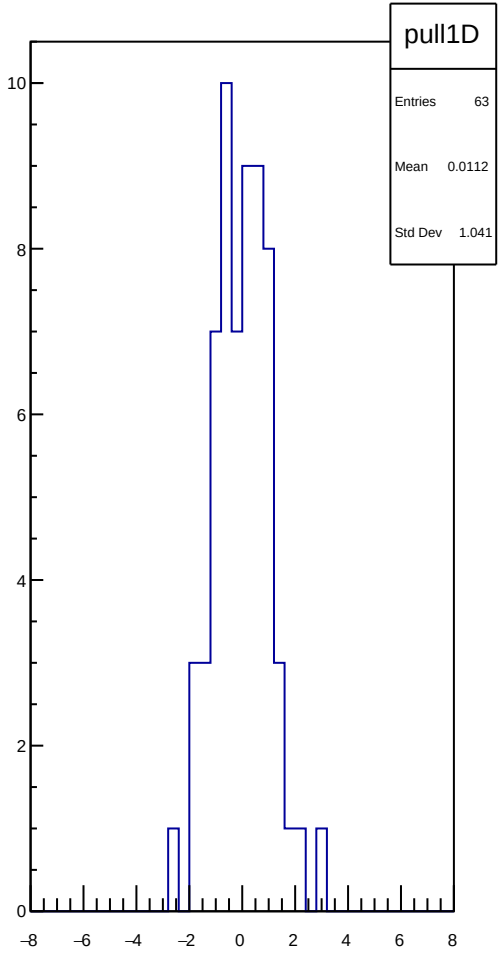

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1092 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

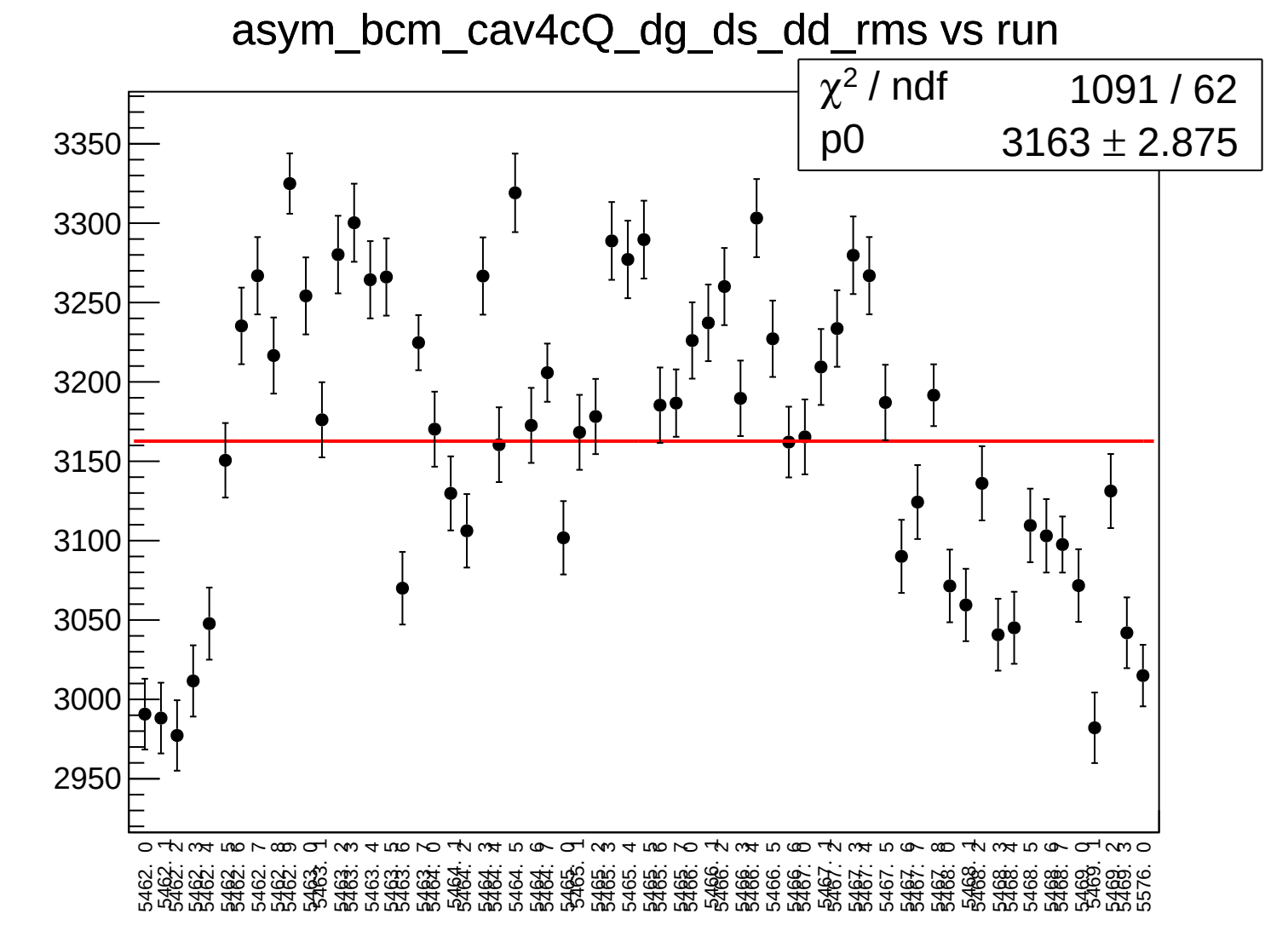

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
×10^3
χ² / ndf 69.17 / 62
p0 2184 ± 4080
150
100
50
0
−50
−100
pull
Entries 63
Mean 11.26
Std Dev 0
3
2
1
0
−1
−2
−3

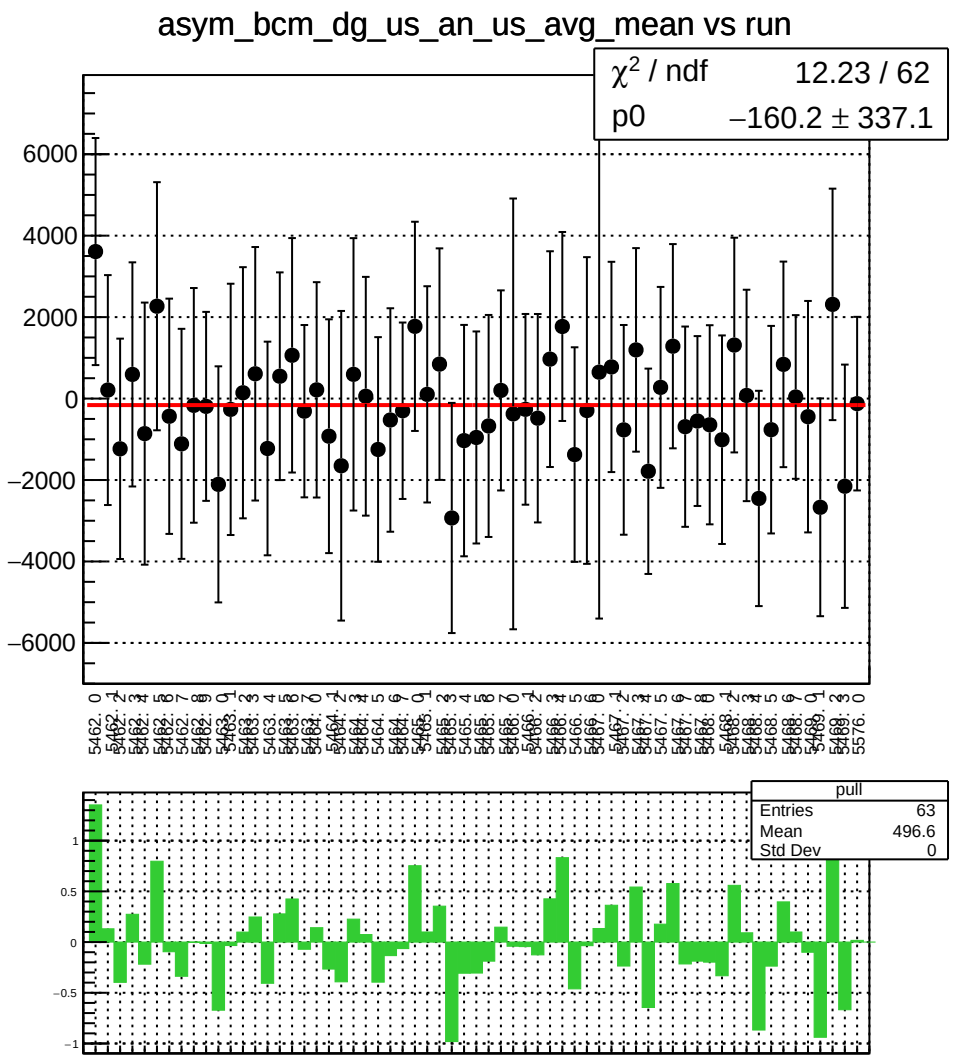

pull1D
Entries 63
Mean 0.01131
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

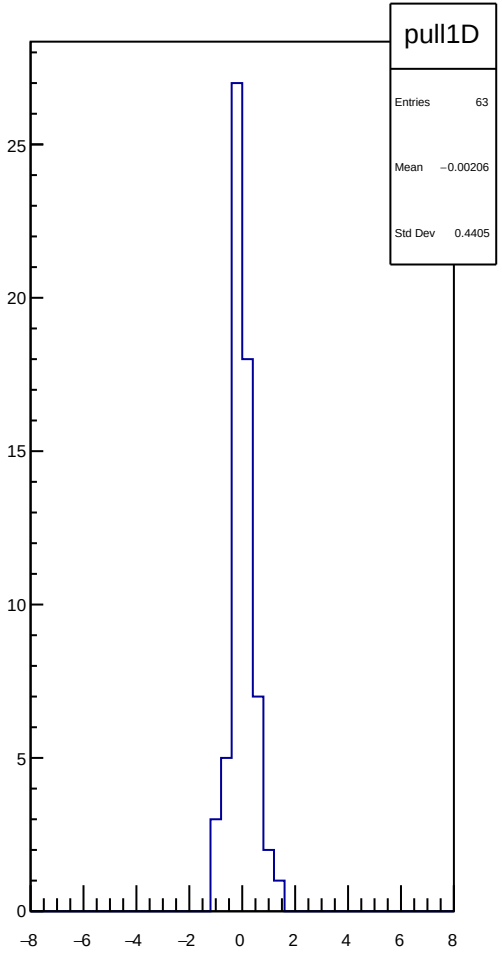

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 1105 / 62
p0 3173 ± 2.885
3350
3300
3250
3200
3150
3100
3050
3000
2950
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

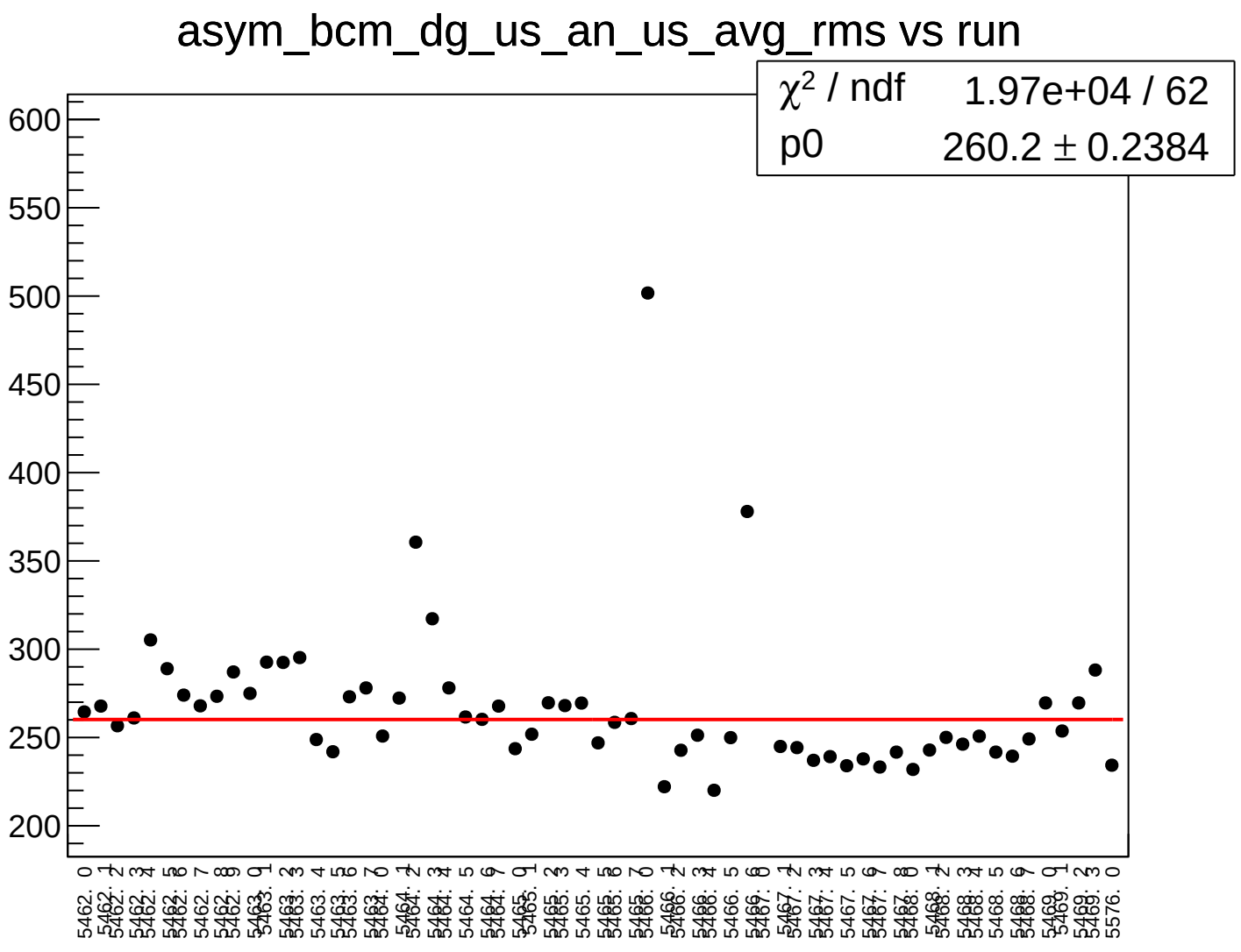

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
×10^3
χ^2 / ndf 68.29 / 62
p0 2277 ± 4067
150
100
50
0
−50
−100
pull
Entries 63
Mean 21.86
Std Dev 0
3
2
1
0
−1
−2
−3

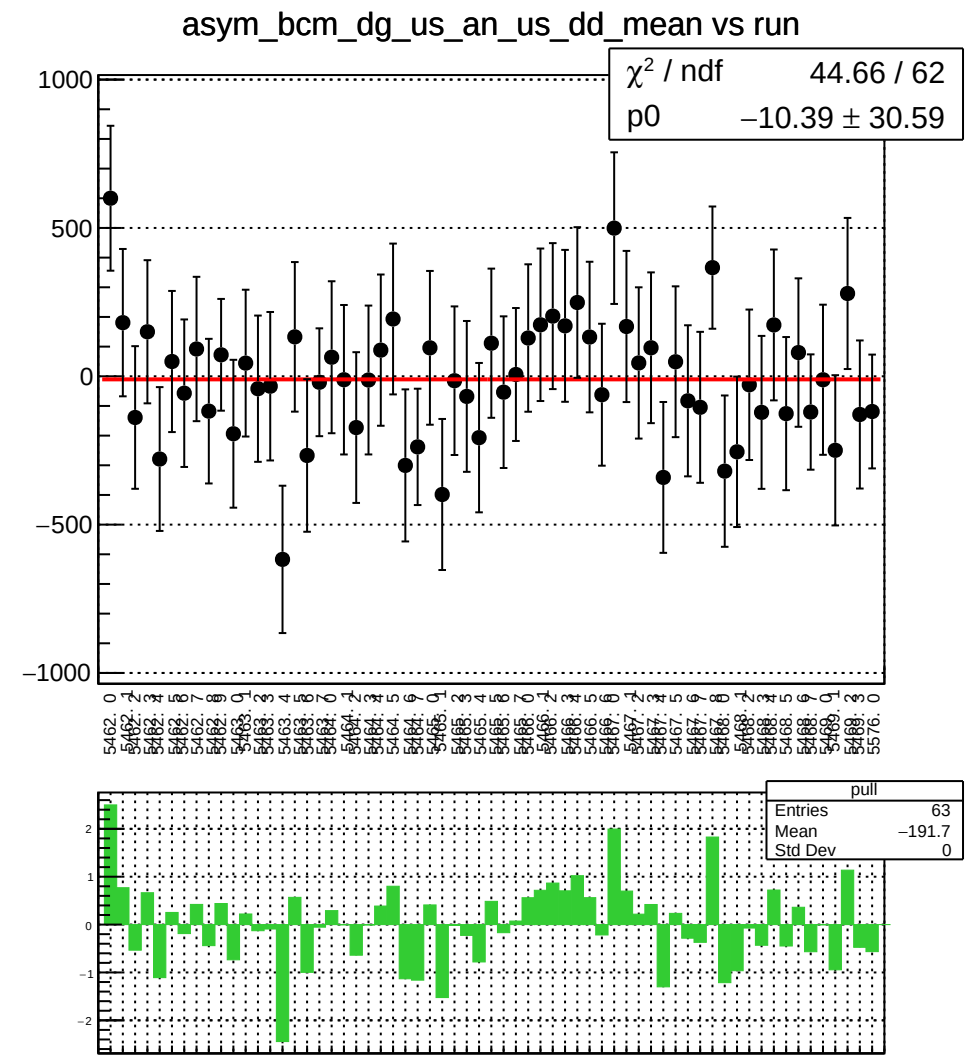

pull1D
Entries 63
Mean 0.0112
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

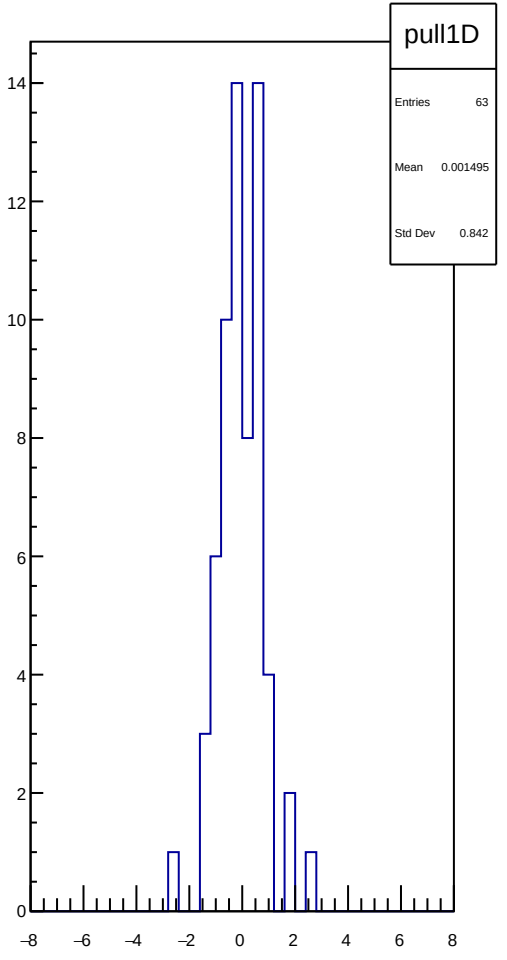

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1091 / 62
p0 3163 ± 2.875
3350
3300
3250
3200
3150
3100
3050
3000
2950

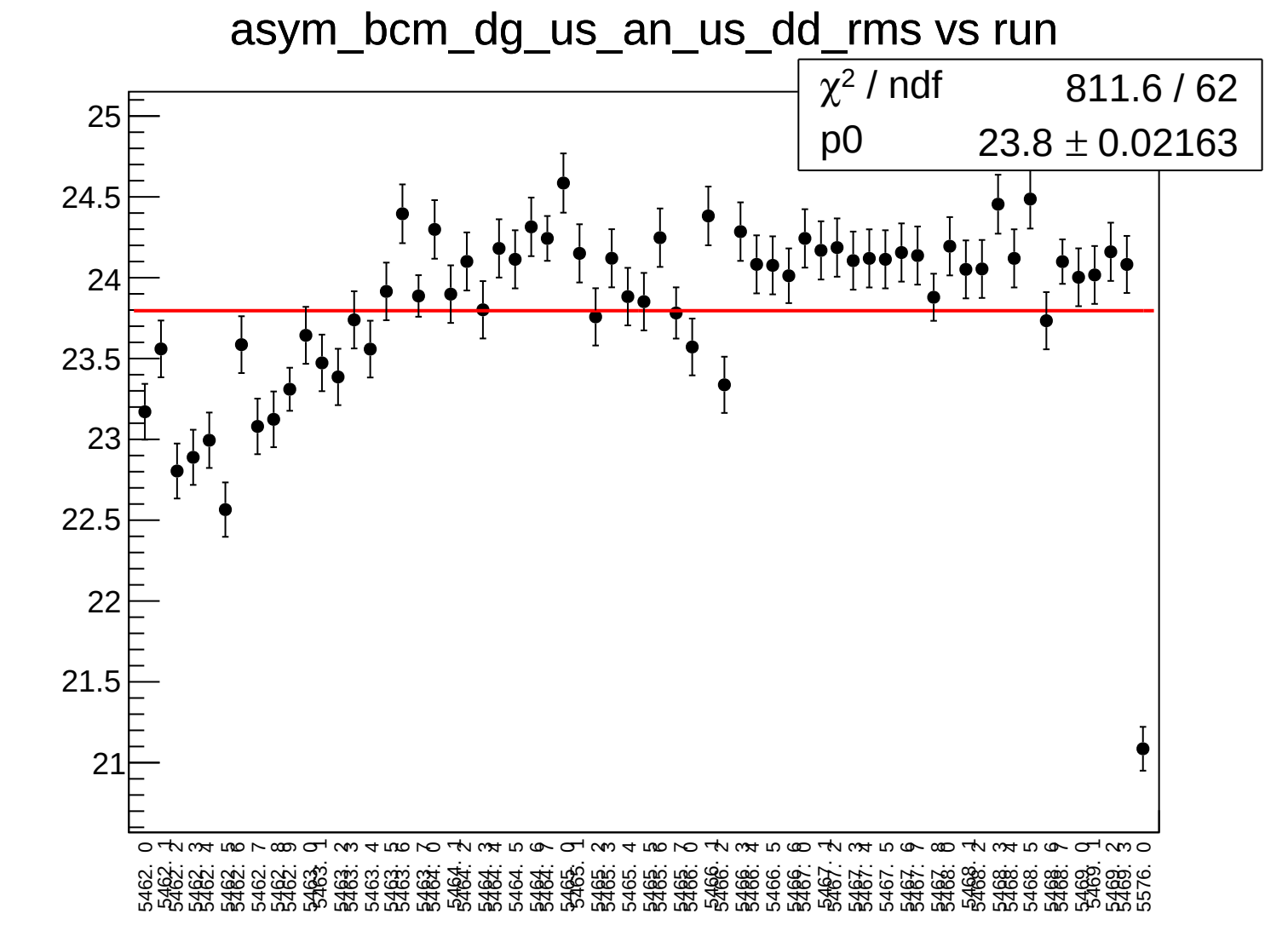

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 12.23 / 62
p0 −160.2 ± 337.1
pull
Entries 63
Mean 496.6
Std Dev 0

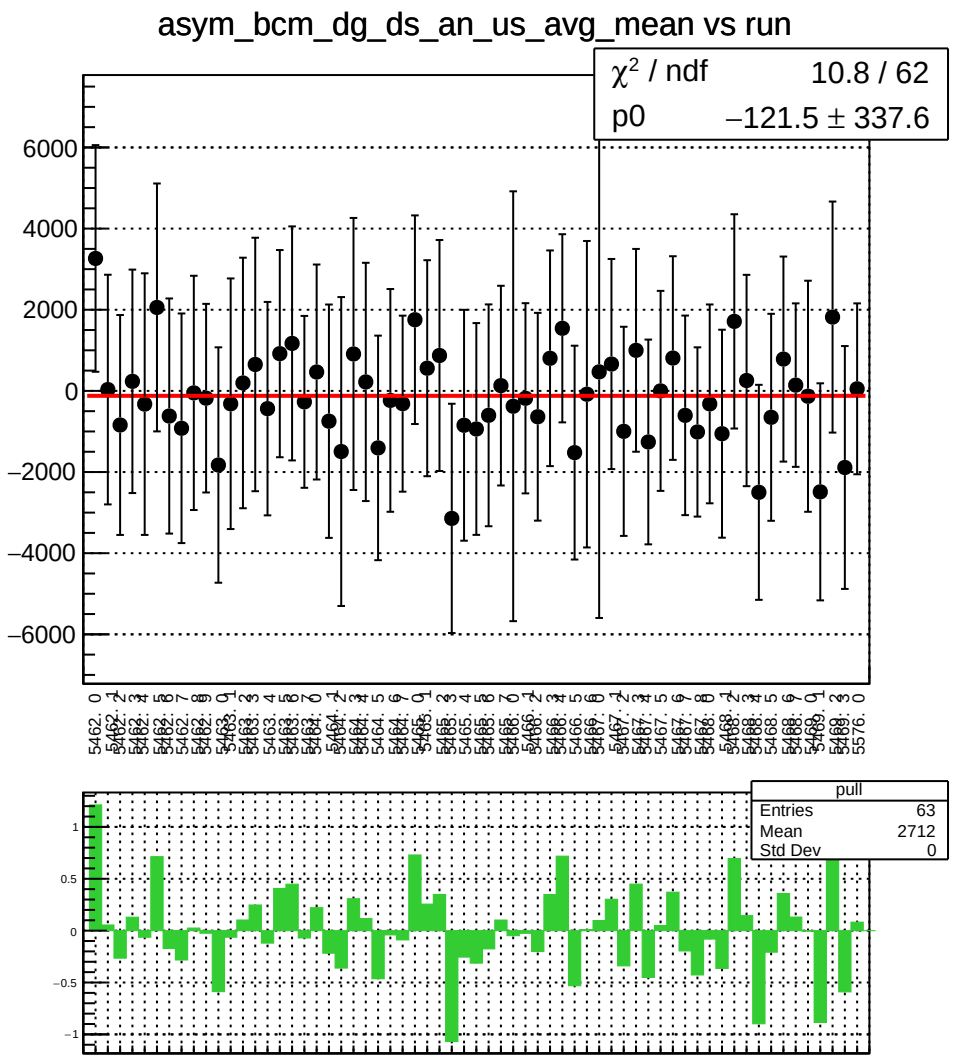

pull1D
Entries 63
Mean −0.00206
Std Dev 0.4405

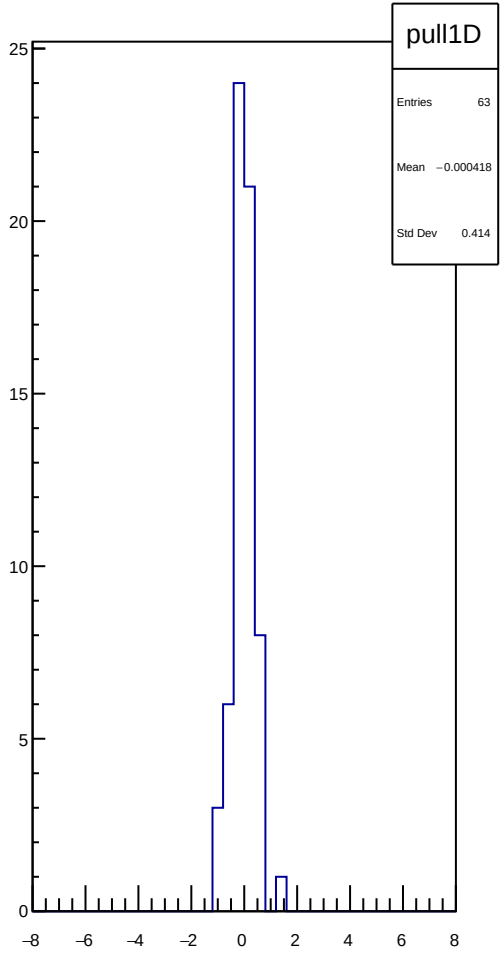

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 1.97e+04 / 62
p0 260.2 ± 0.2384
600
550
500
450
400
350
300
250
200

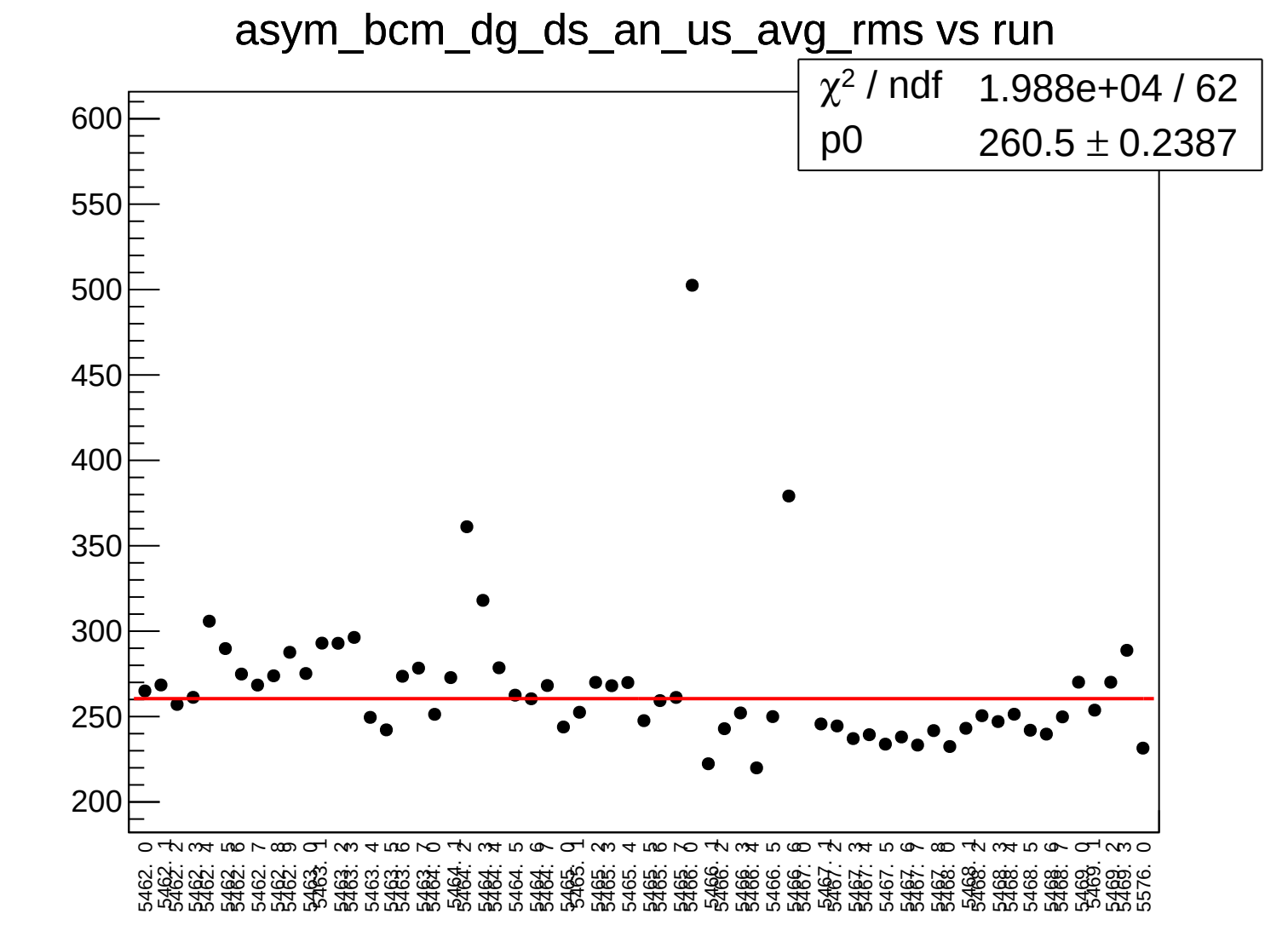

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 44.66 / 62
p0 −10.39 ± 30.59
1000
500
0
−500
−1000
pull
Entries 63
Mean −191.7
Std Dev 0
2
1
0
−1
−2

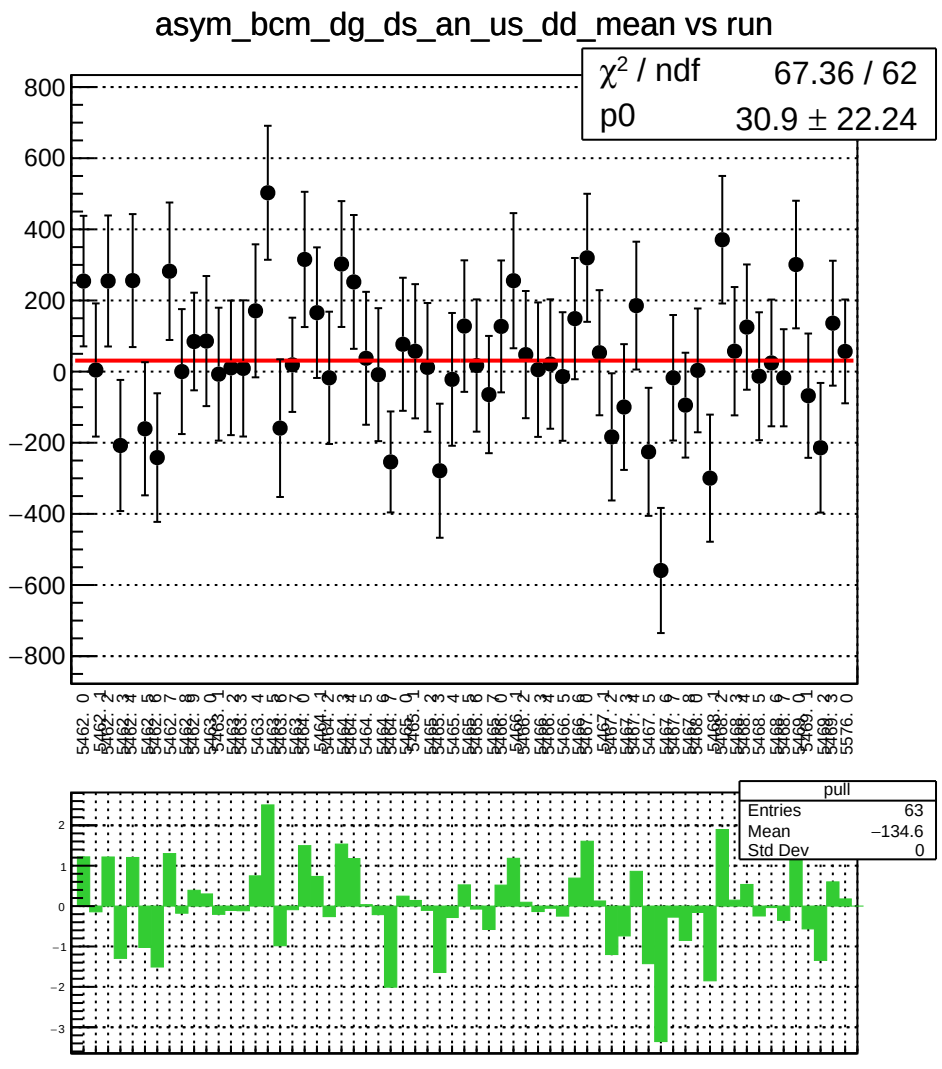

pull1D
Entries 63
Mean 0.001495
Std Dev 0.842
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

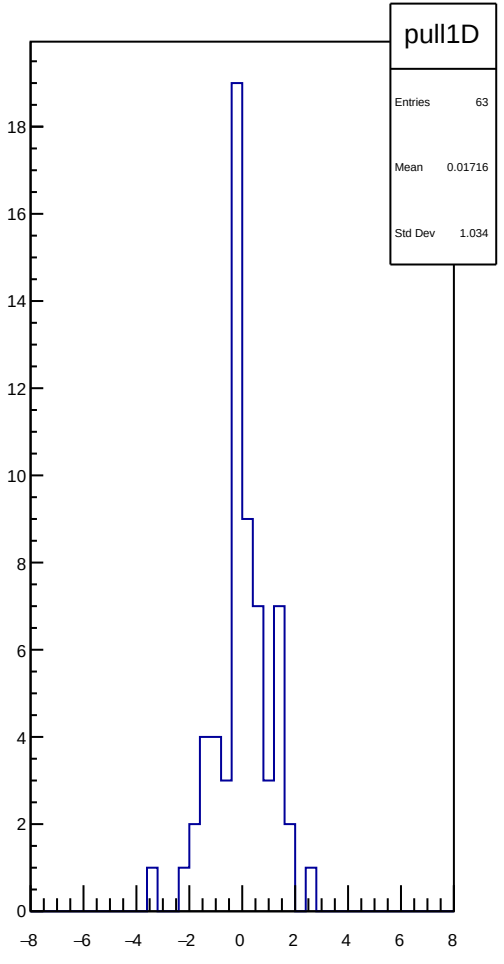

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 811.6 / 62
p0 23.8 ± 0.02163
25
24.5
24
23.5
23
22.5
22
21.5
21

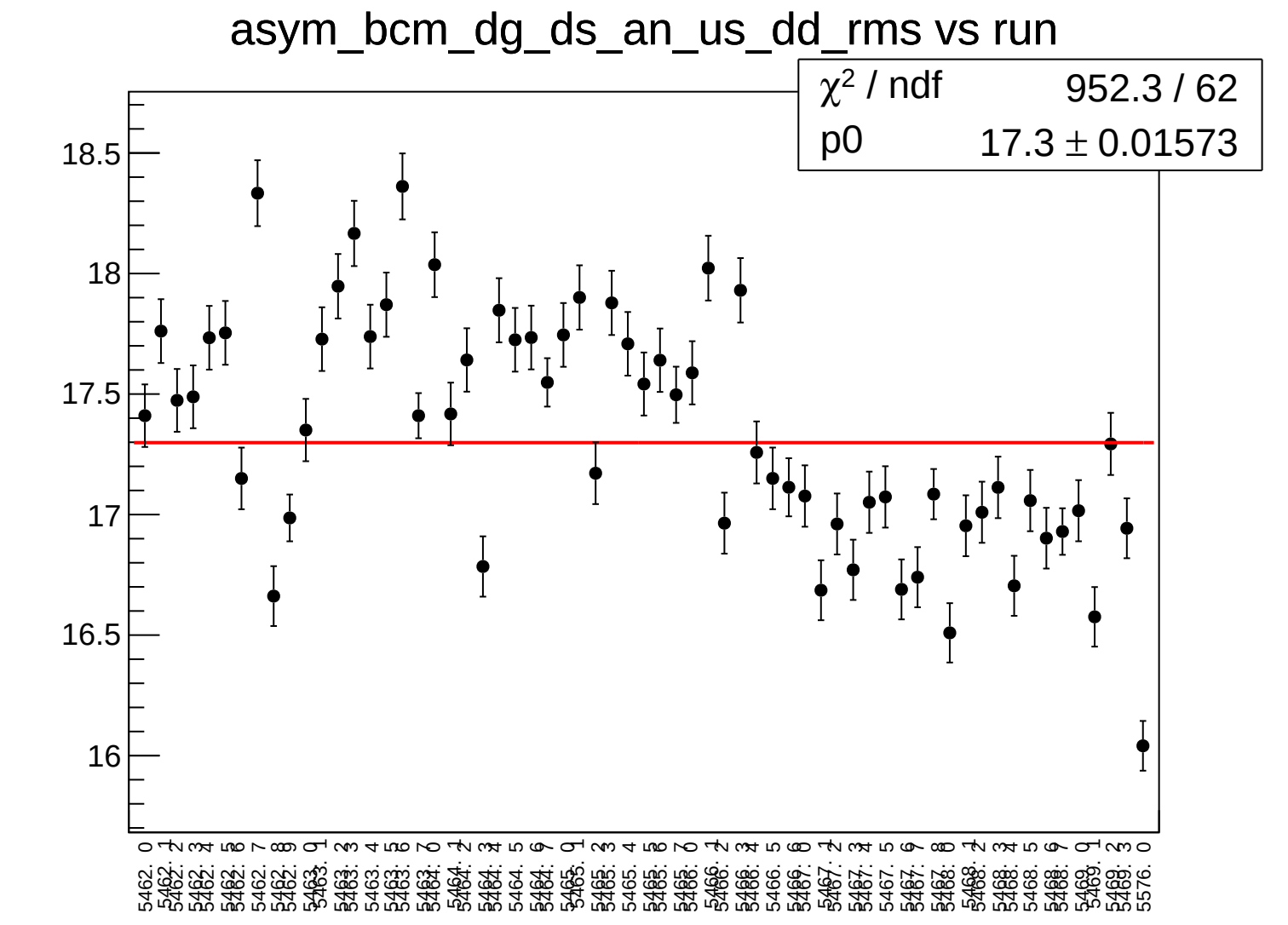

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 10.8 / 62
p0 −121.5 ± 337.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 2712
Std Dev 0
1
0.5
0
−0.5
−1

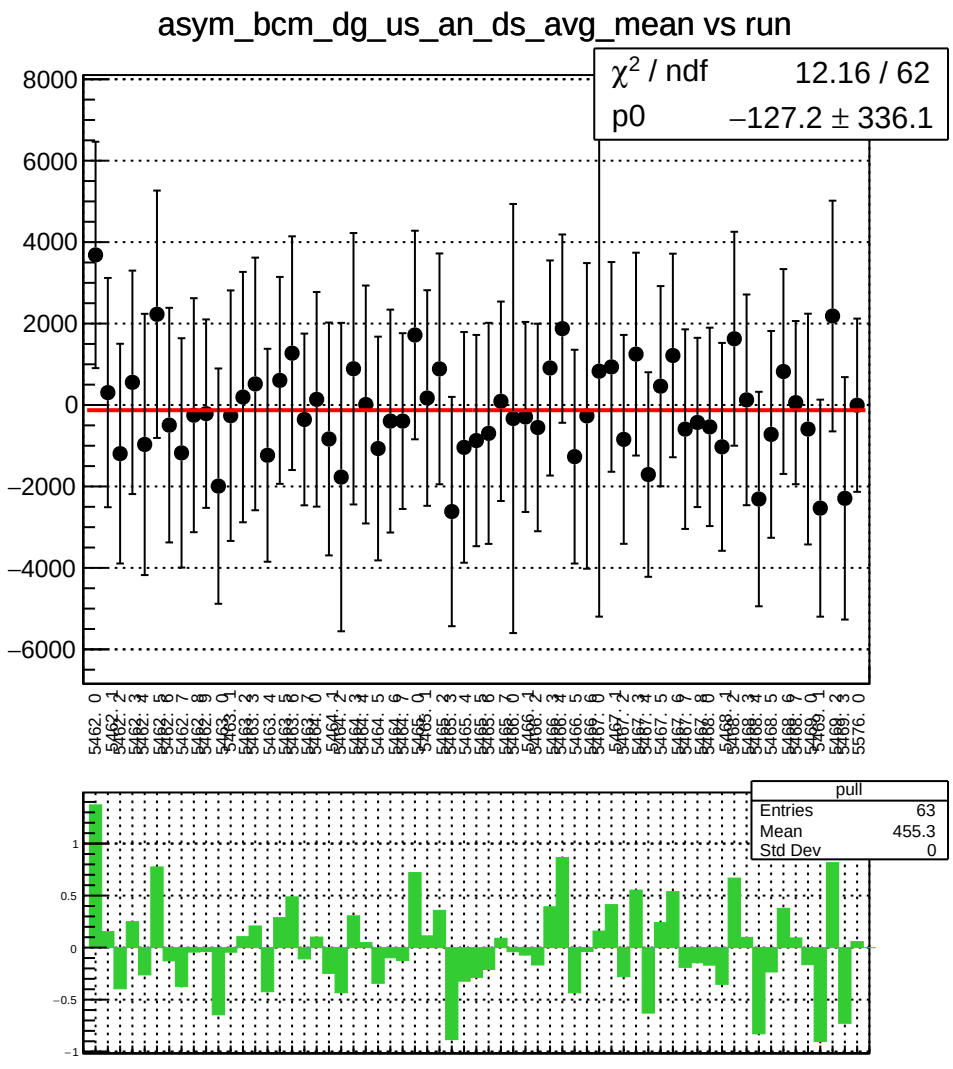

pull1D
Entries 63
Mean −0.000418
Std Dev 0.414
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

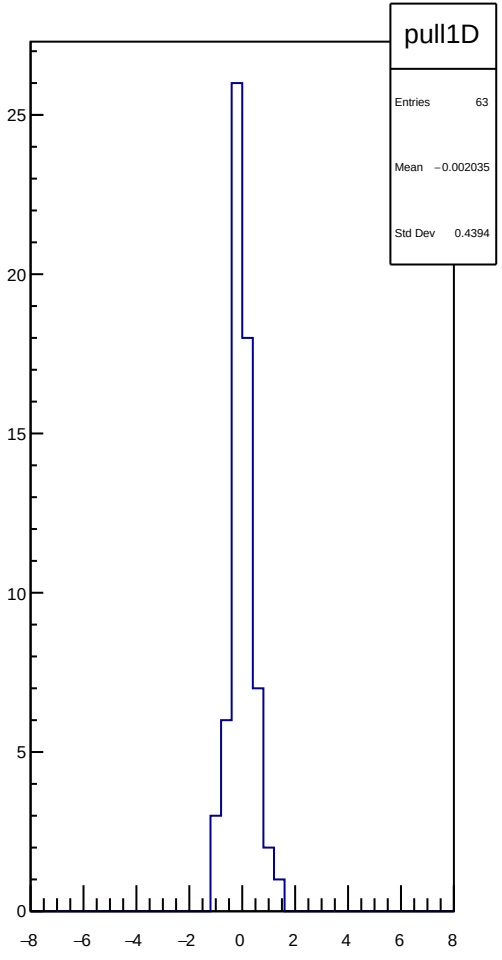

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 1.988e+04 / 62
p0 260.5 ± 0.2387
600
550
500
450
400
350
300
250
200

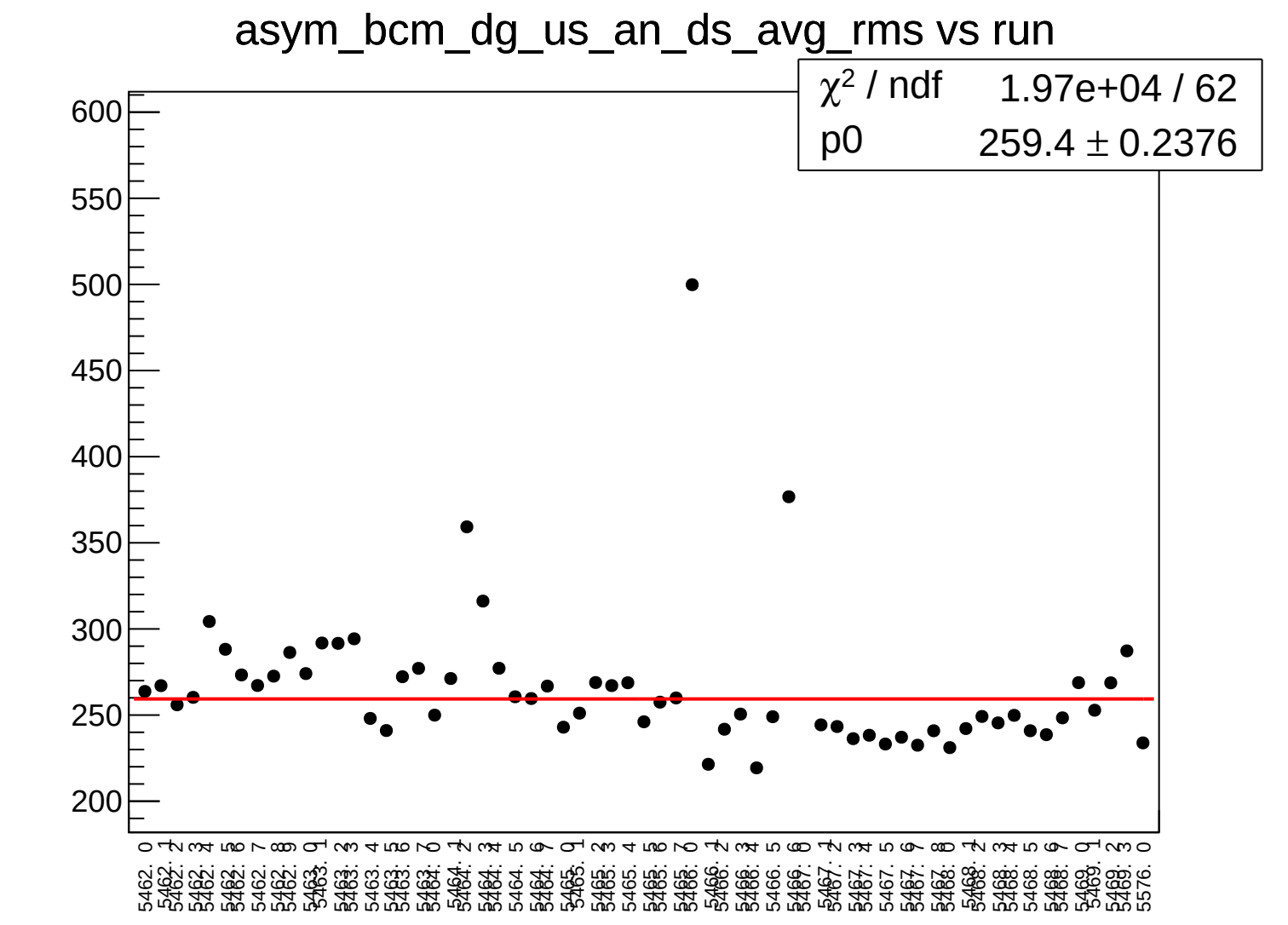

asym_bcm_dg_ds_an_us_dd_mean vs run
χ^2 / ndf 67.36 / 62
p0 30.9 ± 22.24
pull
Entries 63
Mean −134.6
Std Dev 0

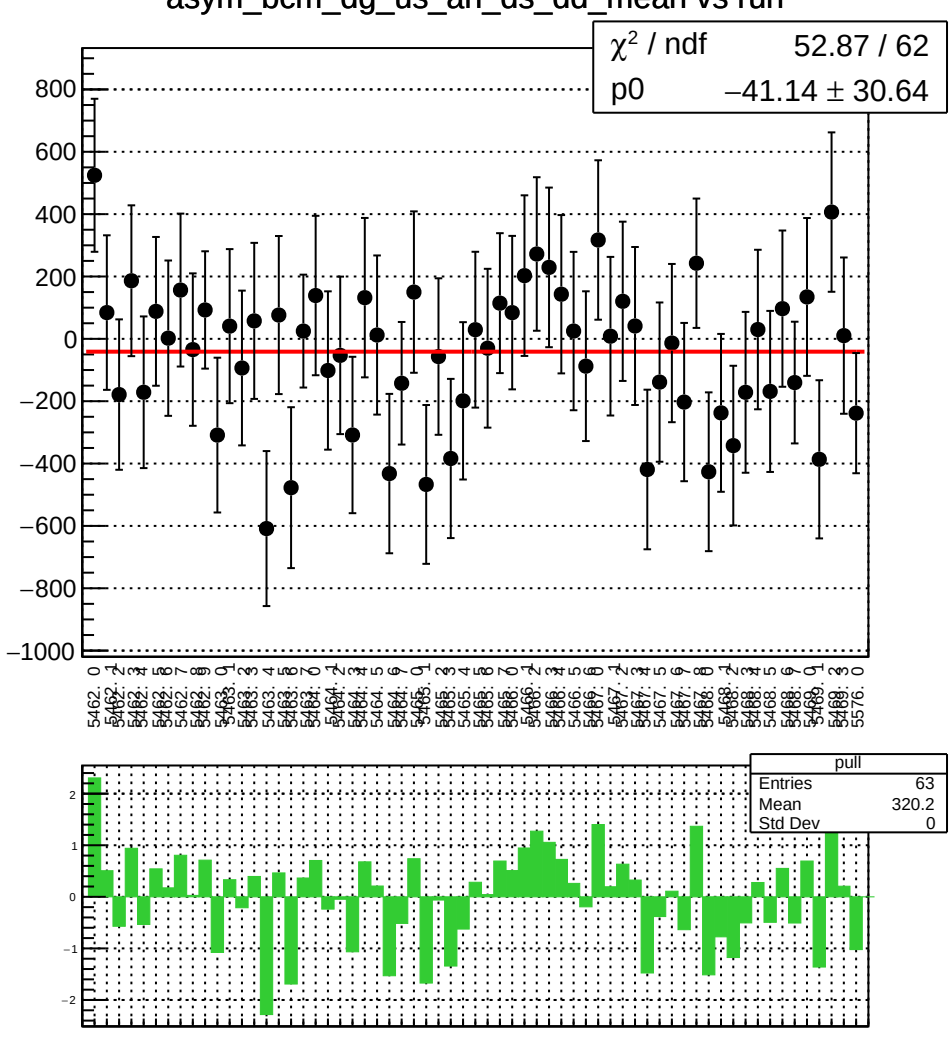

pull1D
Entries 63
Mean 0.01716
Std Dev 1.034

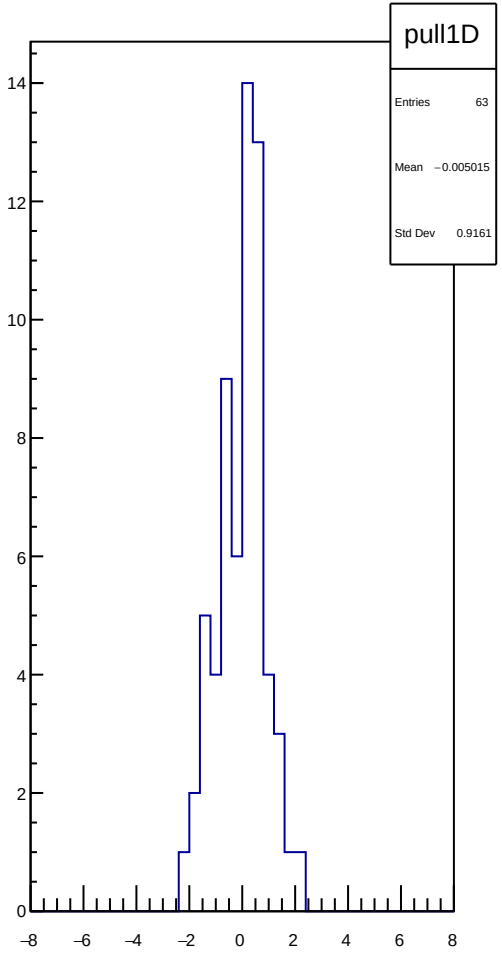

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 952.3 / 62
p0 17.3 ± 0.01573
18.5
18
17.5
17
16.5
16

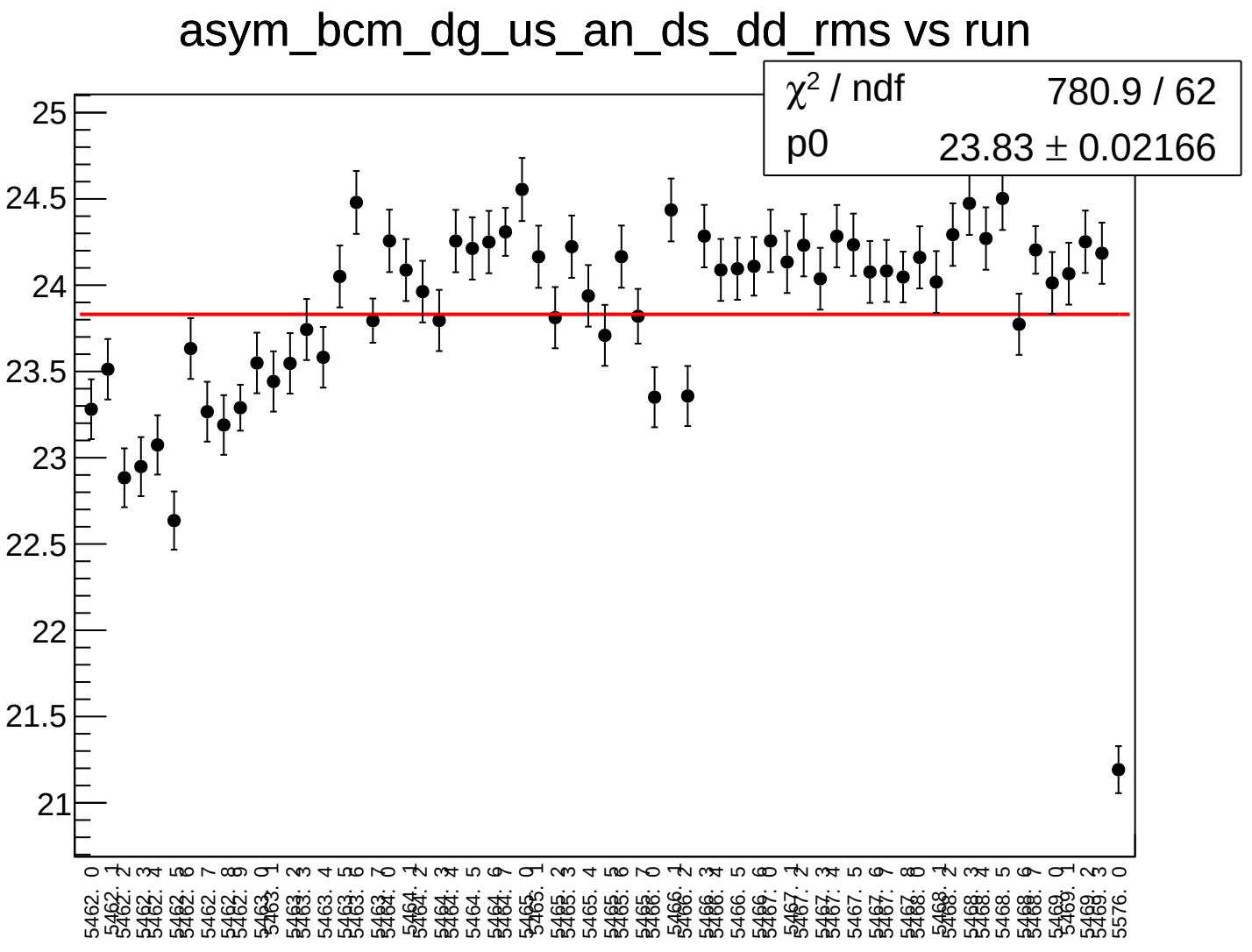

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 12.16 / 62
p0 −127.2 ± 336.1
pull
Entries 63
Mean 455.3
Std Dev 0

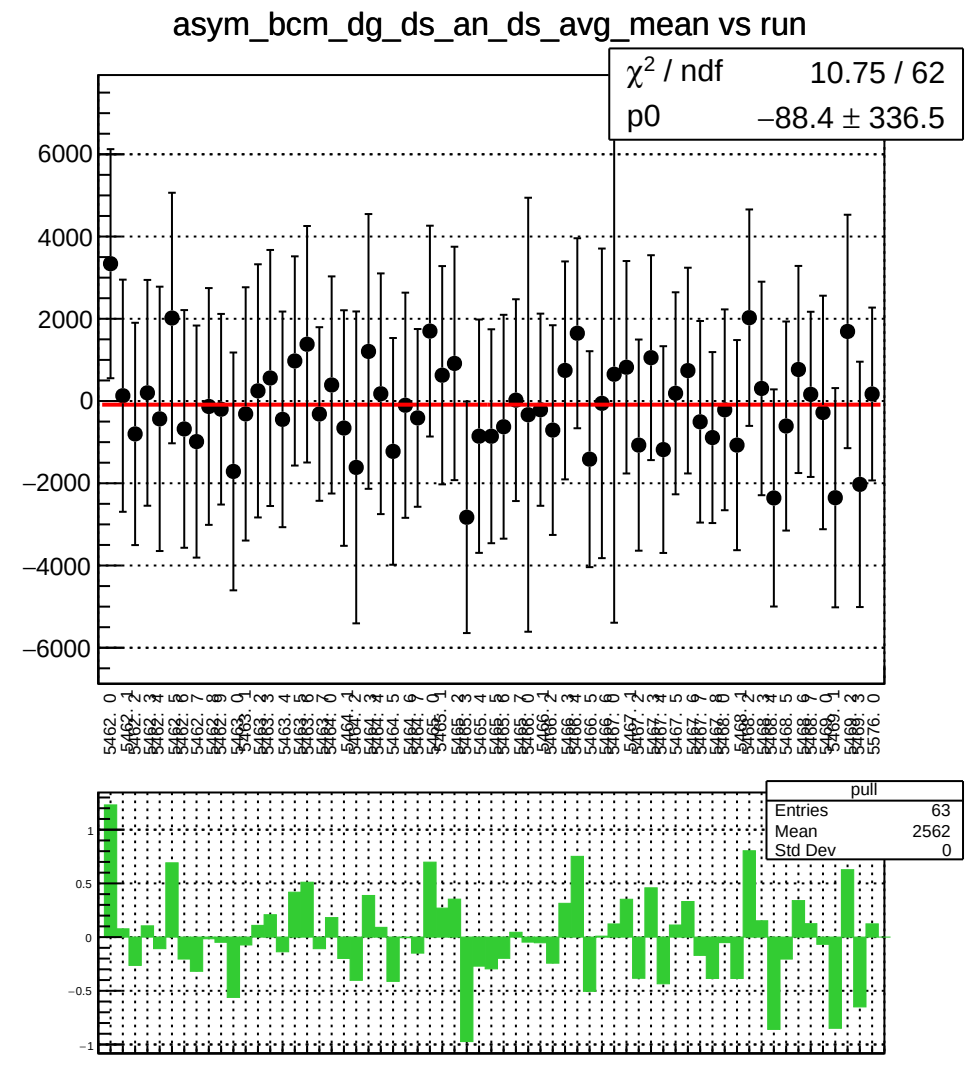

pull1D
Entries 63
Mean −0.002035
Std Dev 0.4394

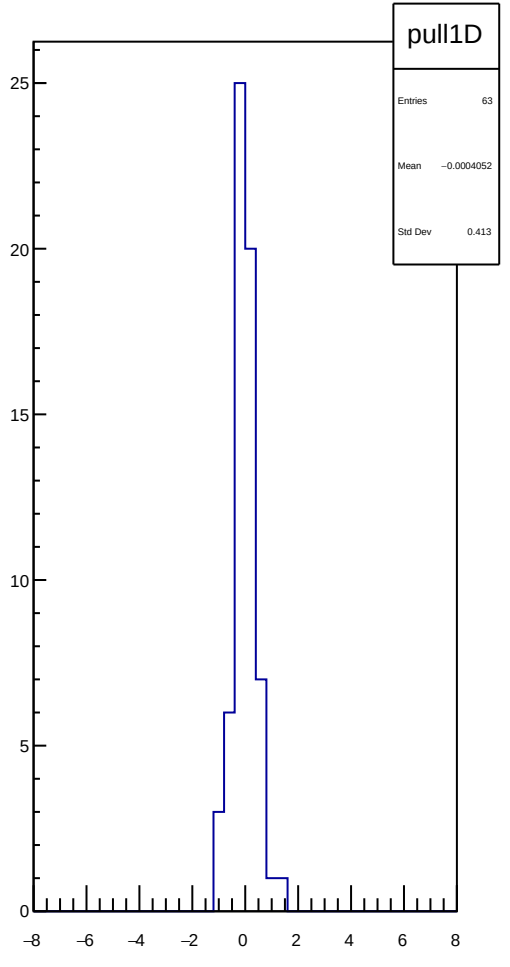

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 1.97e+04 / 62
p0 259.4 ± 0.2376
600
550
500
450
400
350
300
250
200

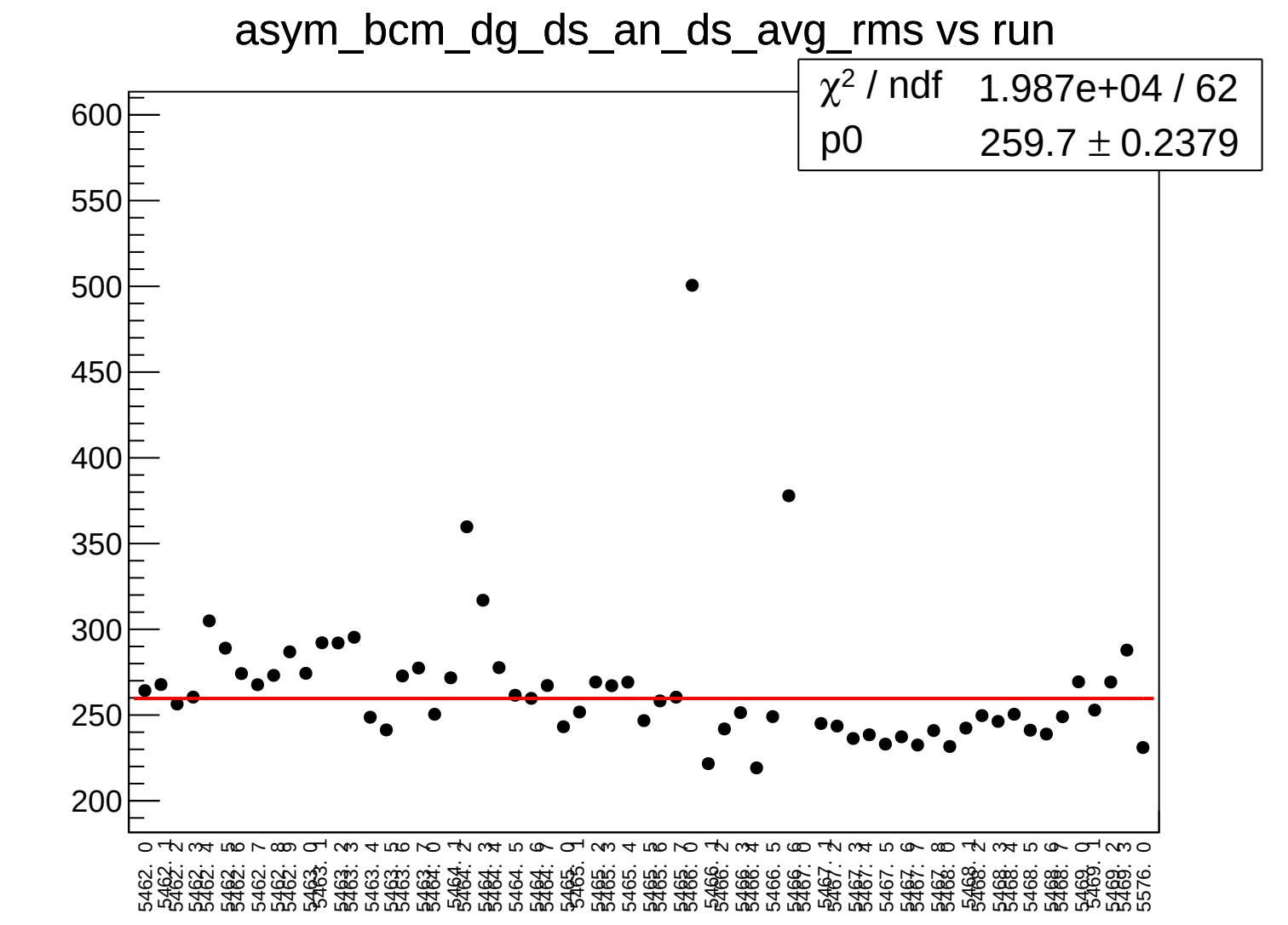

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 52.87 / 62
p0 −41.14 ± 30.64
pull
Entries 63
Mean 320.2
Std Dev 0

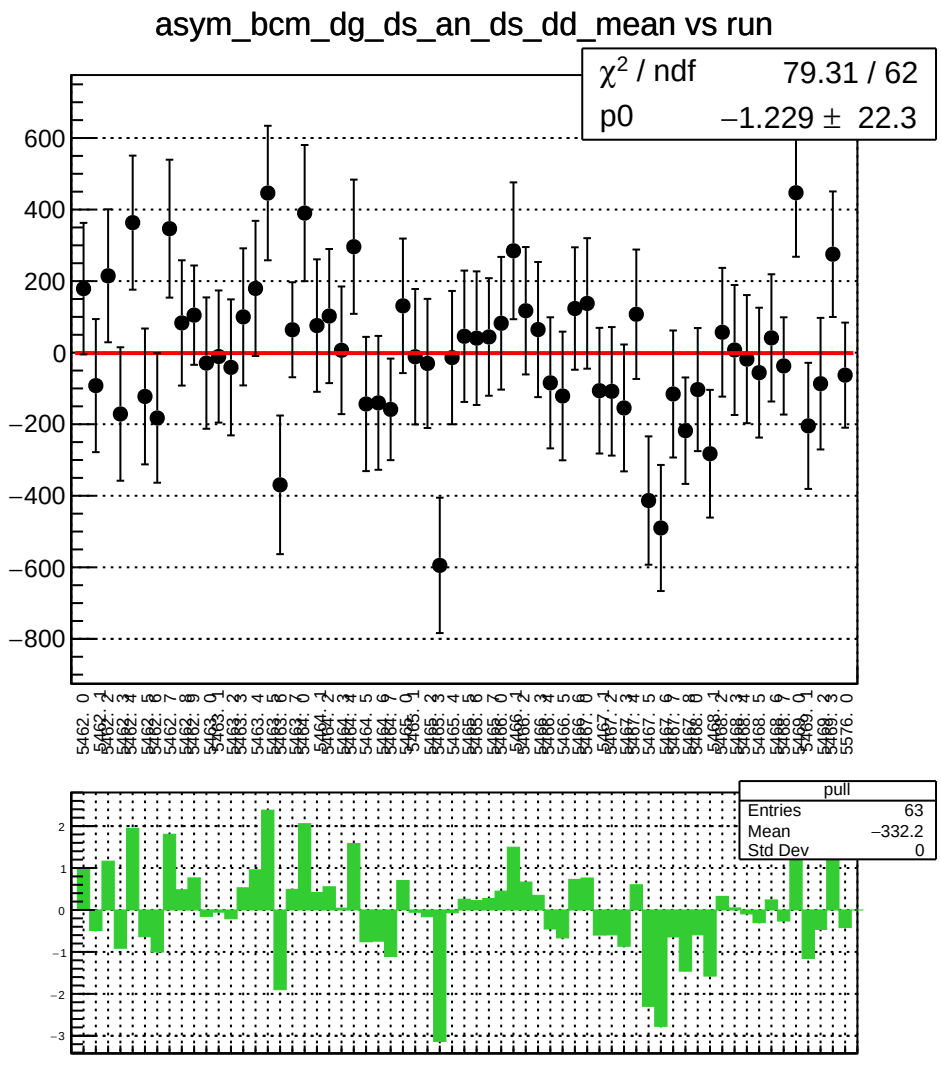

pull1D
Entries 63
Mean −0.005015
Std Dev 0.9161

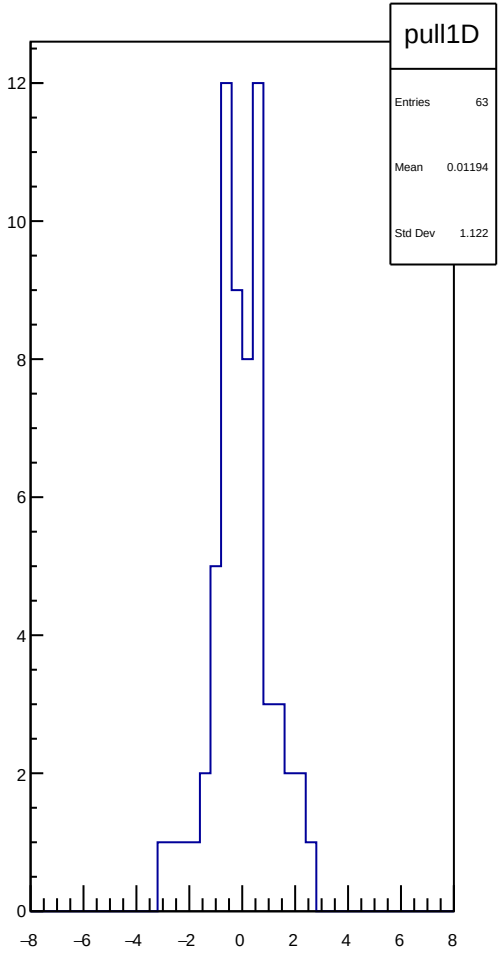

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 780.9 / 62
p0 23.83 ± 0.02166
25
24.5
24
23.5
23
22.5
22
21.5
21

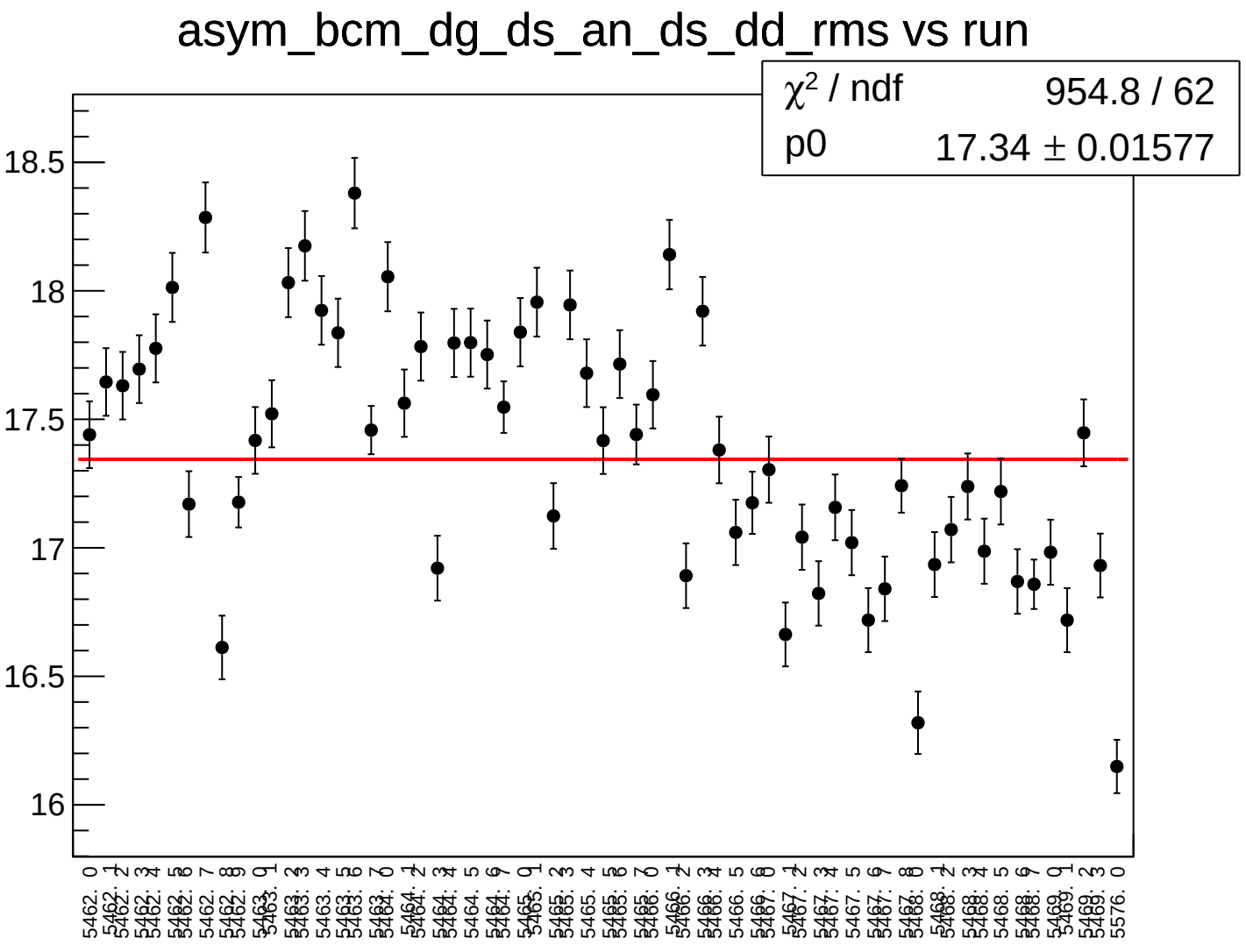

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 10.75 / 62
p0 −88.4 ± 336.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean 2562
Std Dev 0
1
0.5
0
−0.5
−1

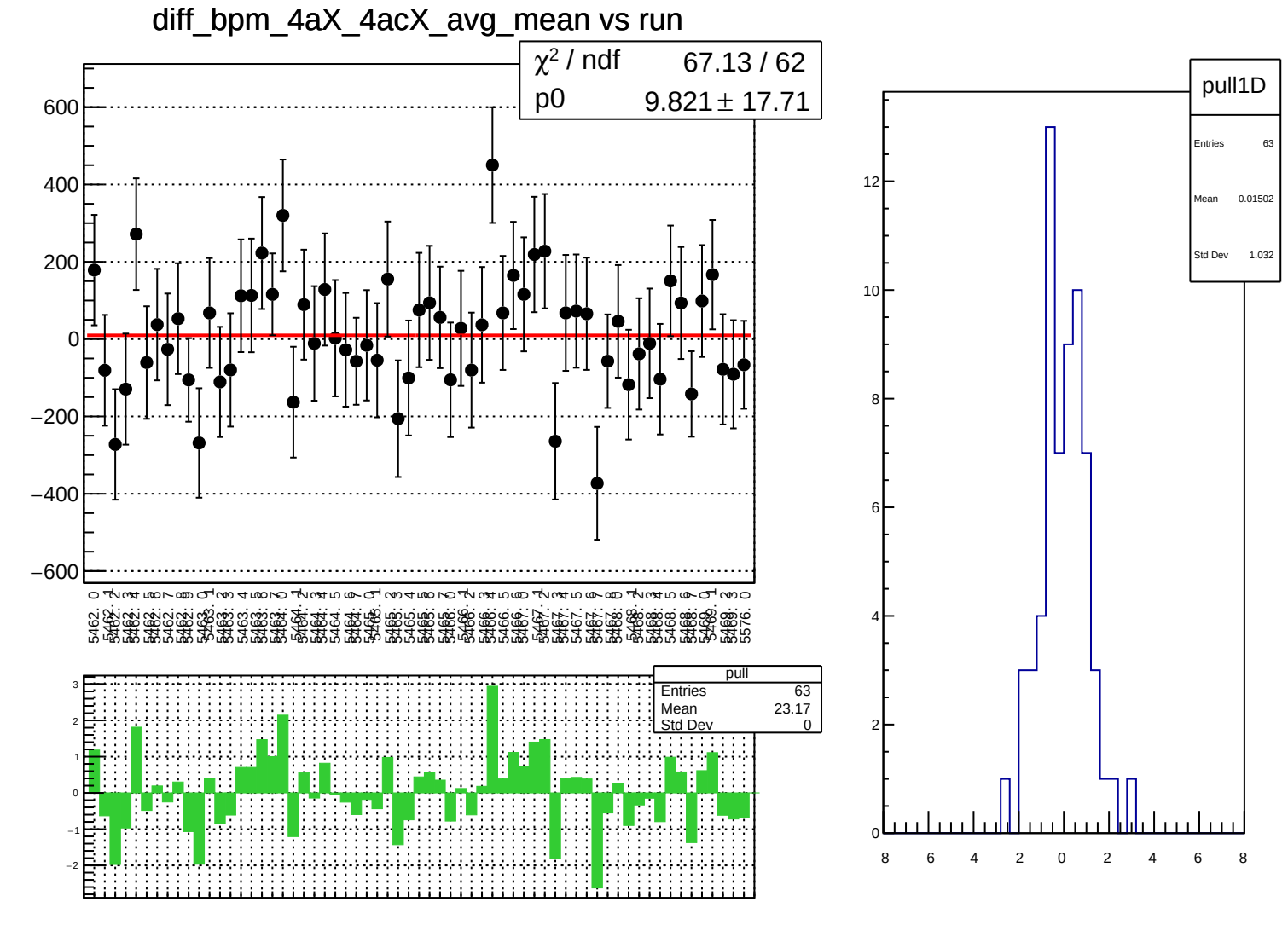

pull1D
Entries 63
Mean −0.0004052
Std Dev 0.413
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

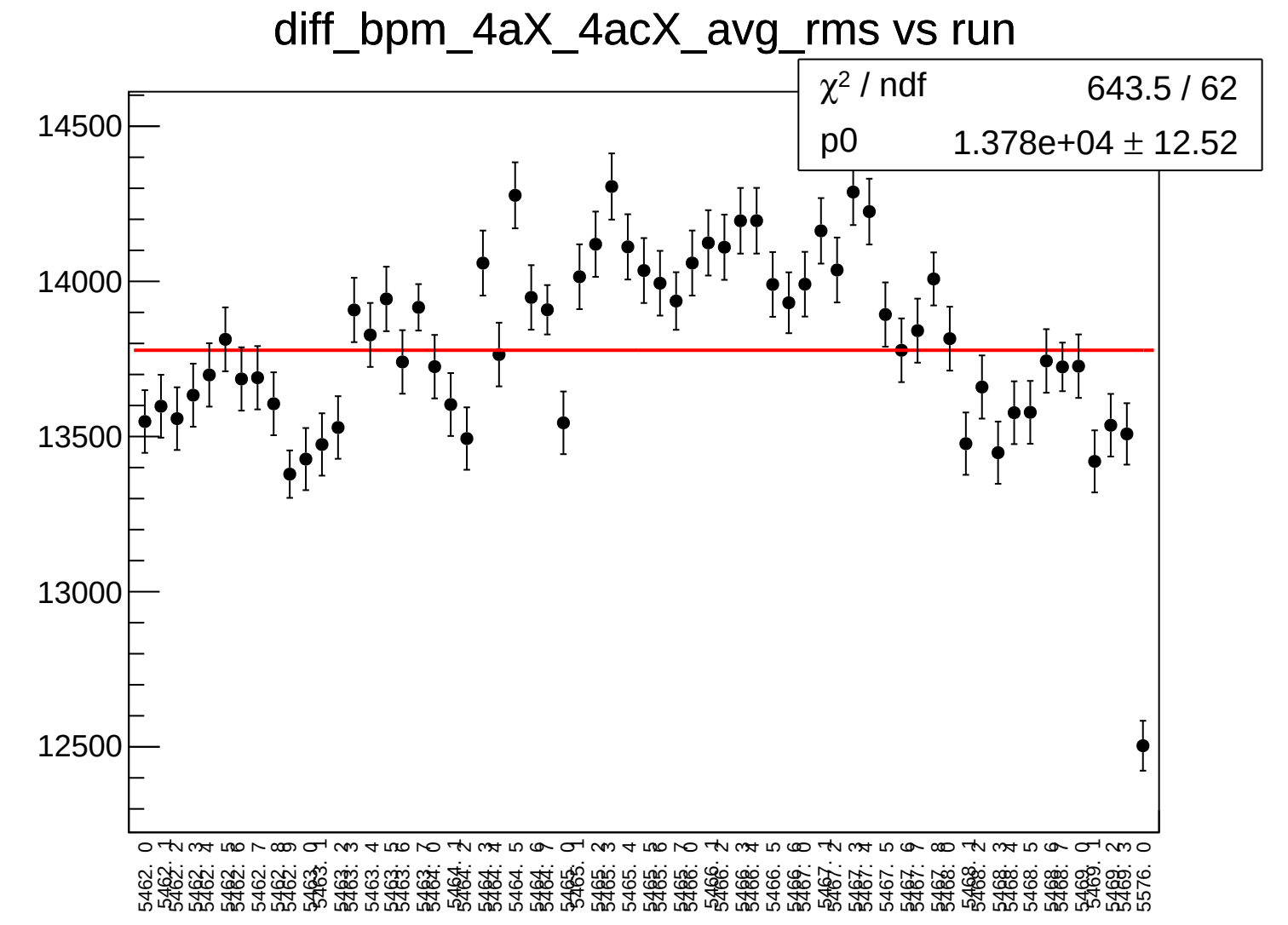

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 1.987e+04 / 62
p0 259.7 ± 0.2379
600
550
500
450
400
350
300
250
200

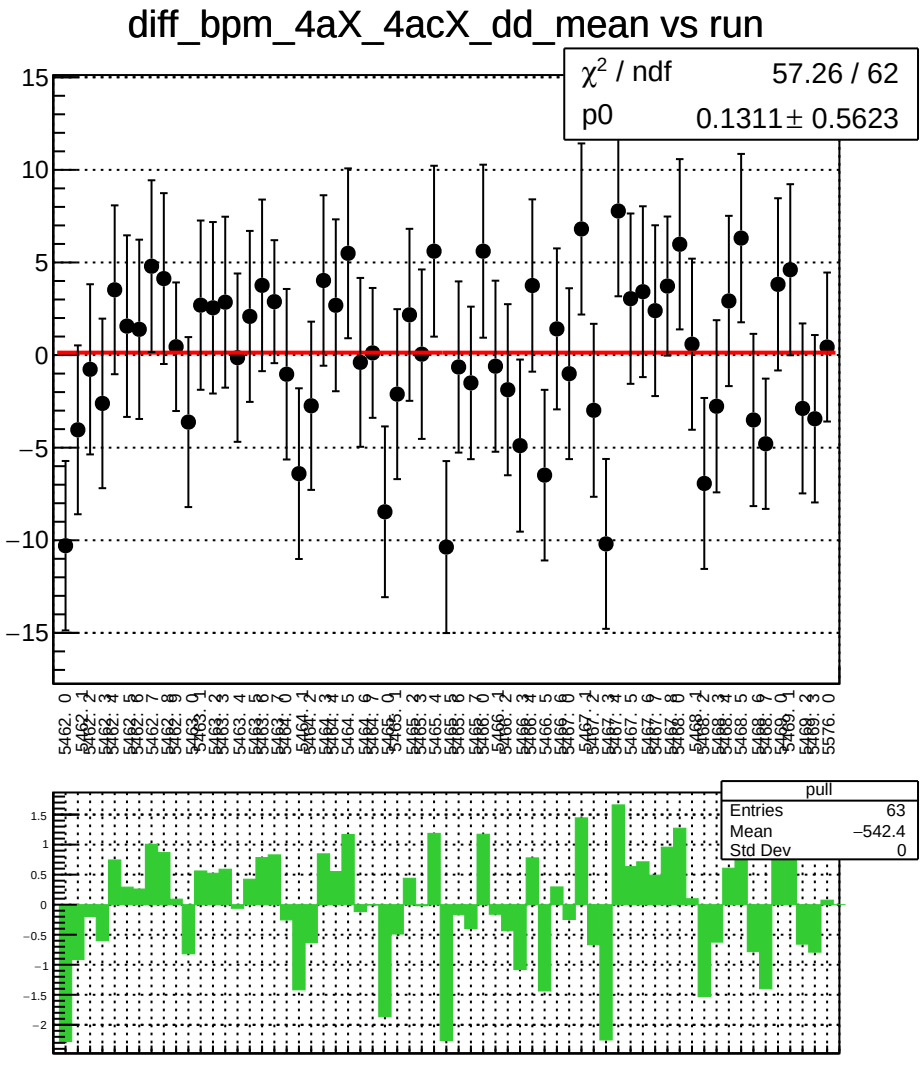

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 79.31 / 62
p0 −1.229 ± 22.3
pull
Entries 63
Mean −332.2
Std Dev 0

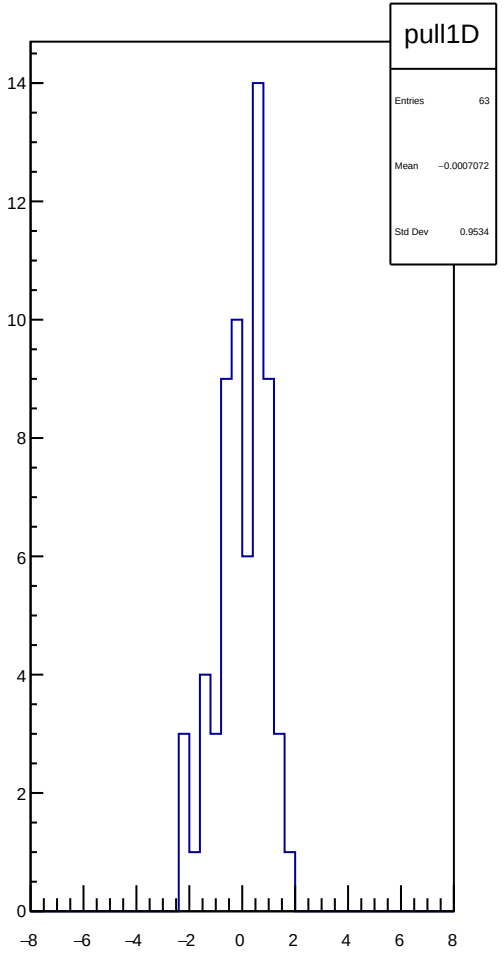

pull1D
Entries 63
Mean 0.01194
Std Dev 1.122

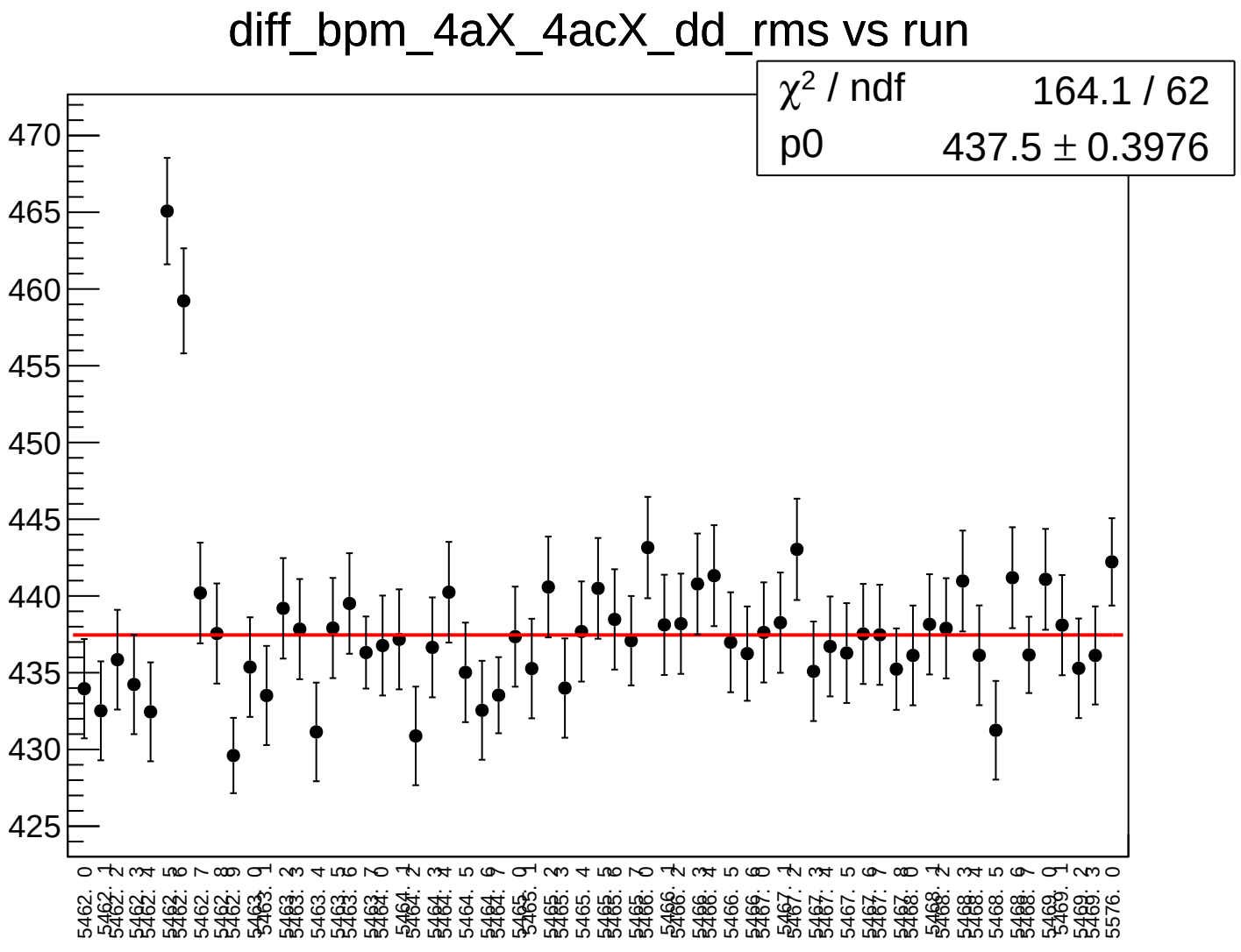

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 954.8 / 62
p0 17.34 ± 0.01577
18.5
18
17.5
17
16.5
16

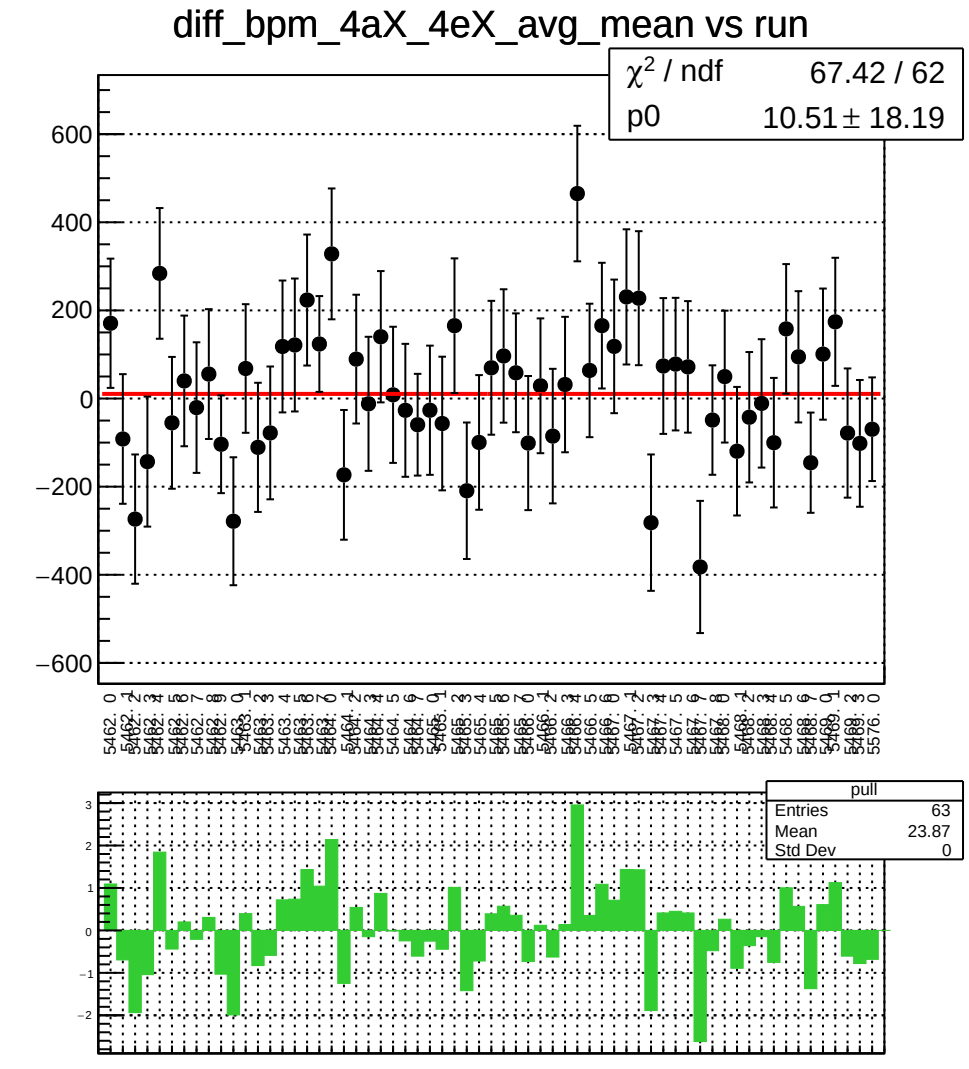

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 67.13 / 62
p0 9.821 ± 17.71
pull
Entries 63
Mean 23.17
Std Dev 0
pull1D
Entries 63
Mean 0.01502
Std Dev 1.032

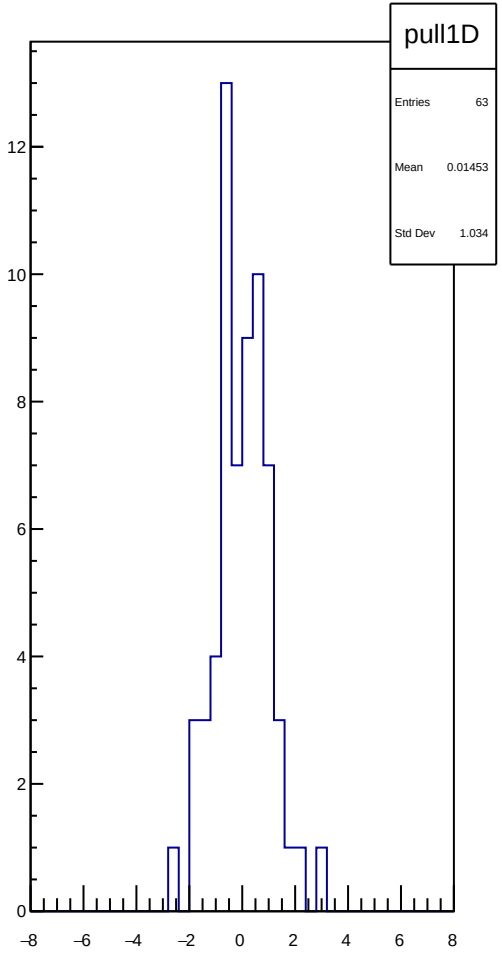

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 643.5 / 62
p0 1.378e+04 ± 12.52
14500
14000
13500
13000
12500

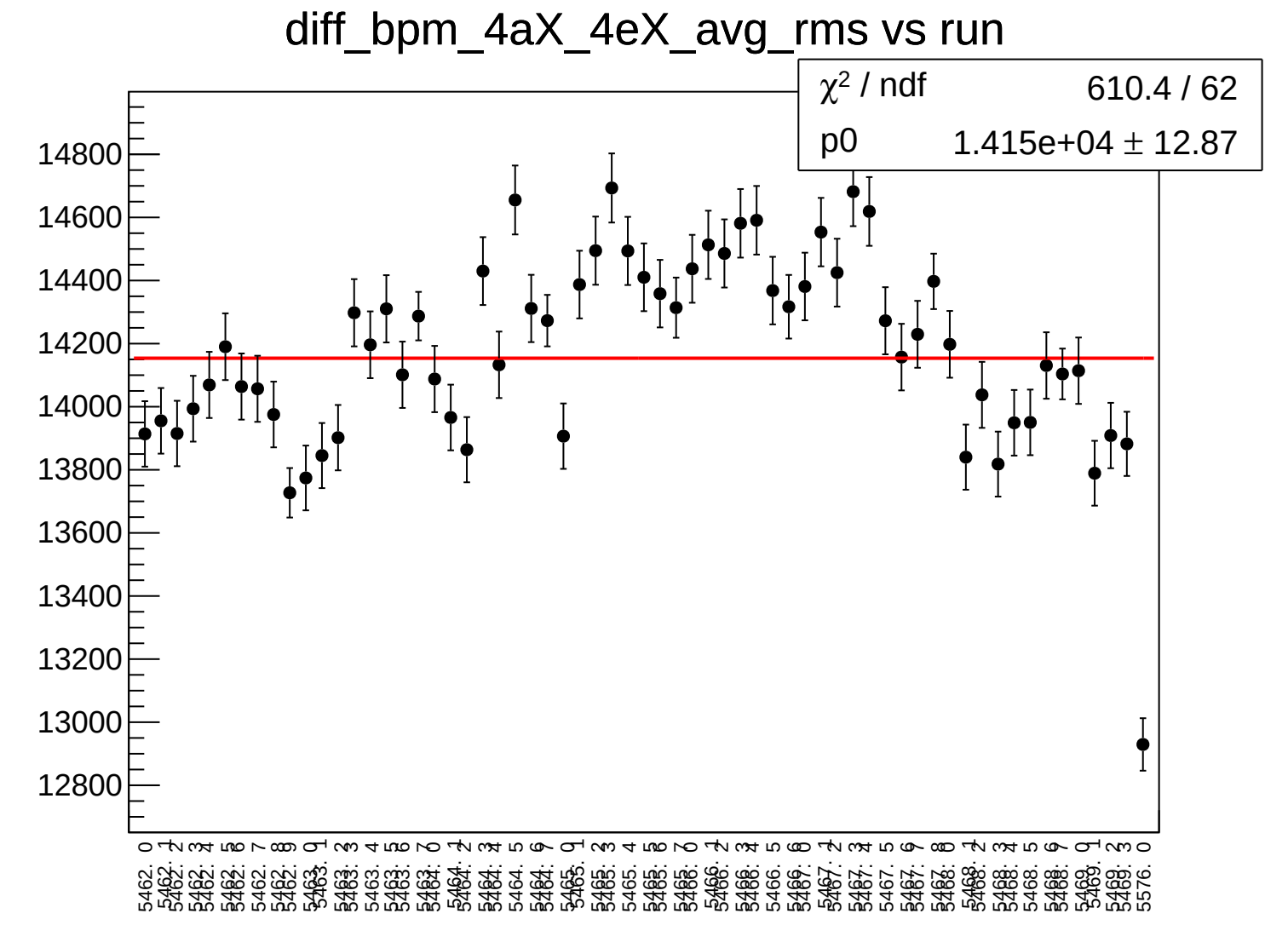

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 57.26 / 62
p0 0.1311 ± 0.5623
pull
Entries 63
Mean −542.4
Std Dev 0

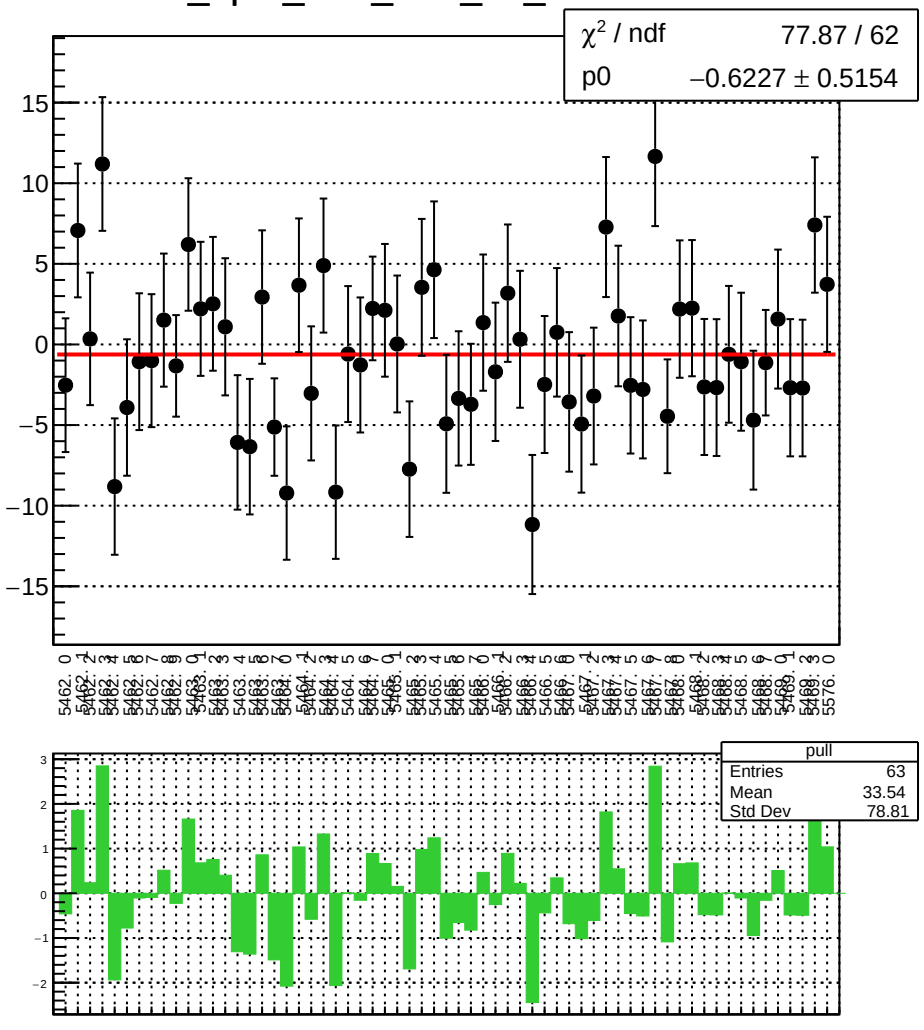

pull1D
Entries 63
Mean −0.0007072
Std Dev 0.9534

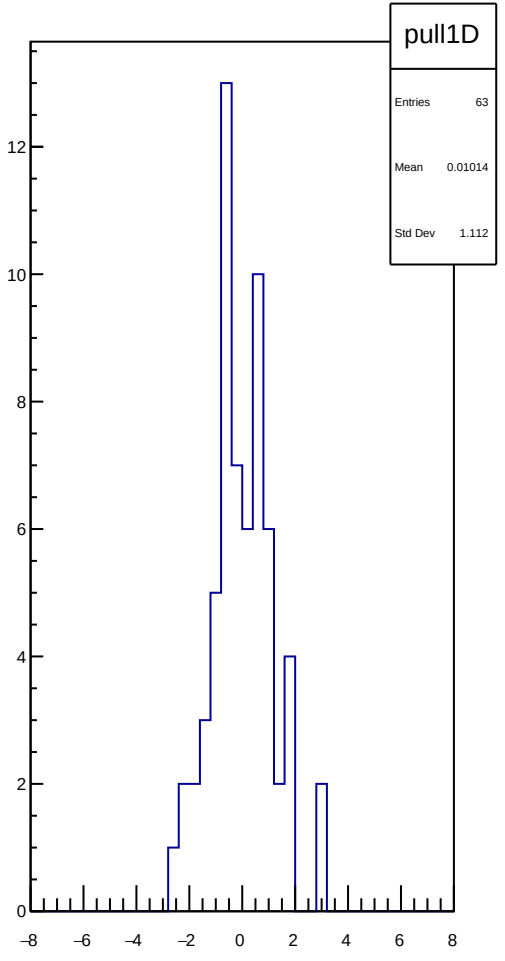

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 164.1 / 62
p0 437.5 ± 0.3976
470
465
460
455
450
445
440
435
430
425

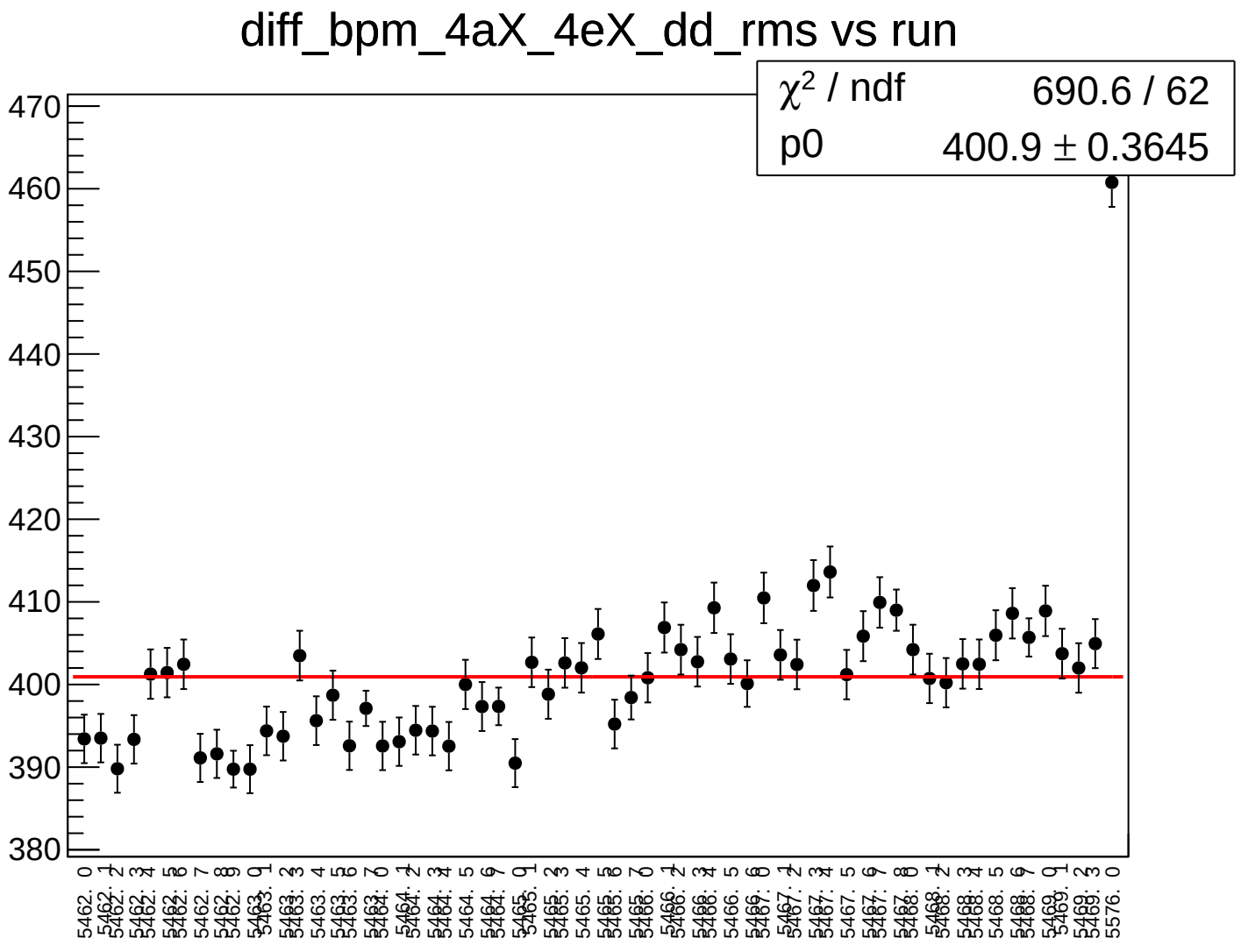

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 67.42 / 62
p0 10.51 ± 18.19
pull
Entries 63
Mean 23.87
Std Dev 0

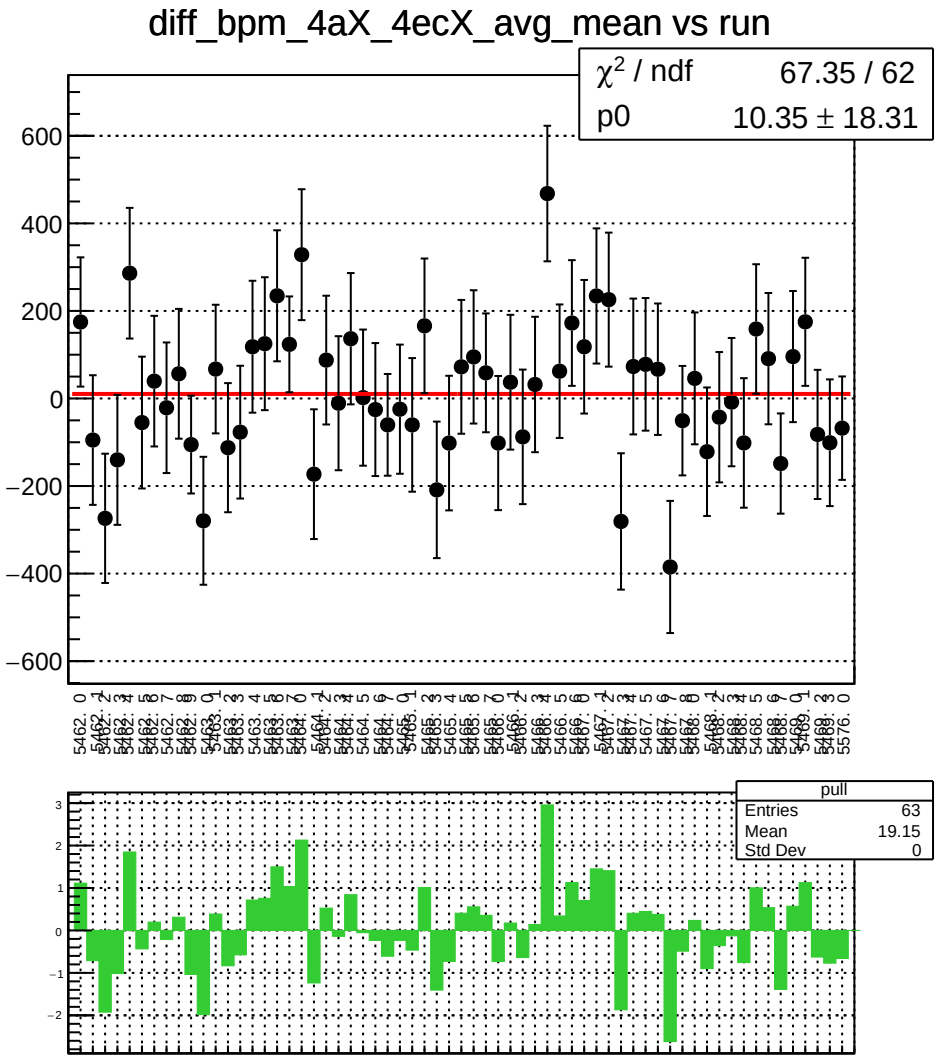

pull1D
Entries 63
Mean 0.01453
Std Dev 1.034

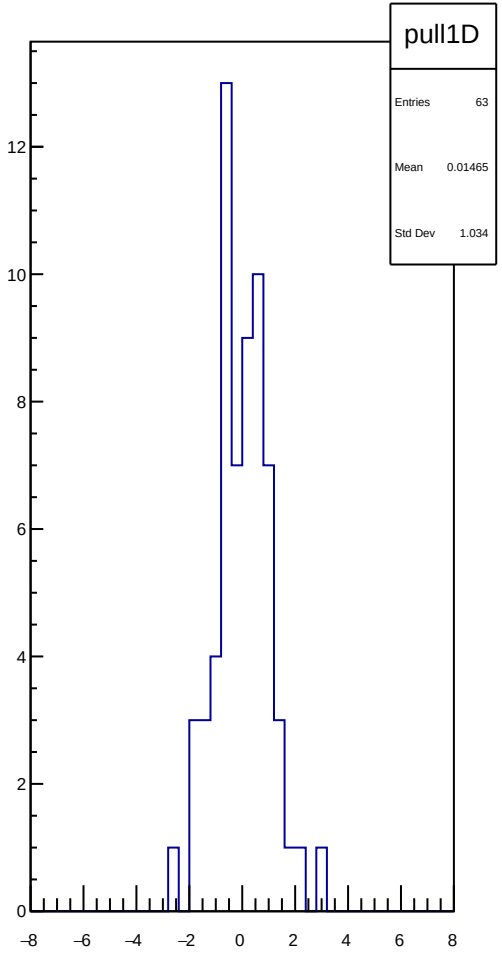

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 610.4 / 62
p0 1.415e+04 ± 12.87
14800
14600
14400
14200
14000
13800
13600
13400
13200
13000
12800

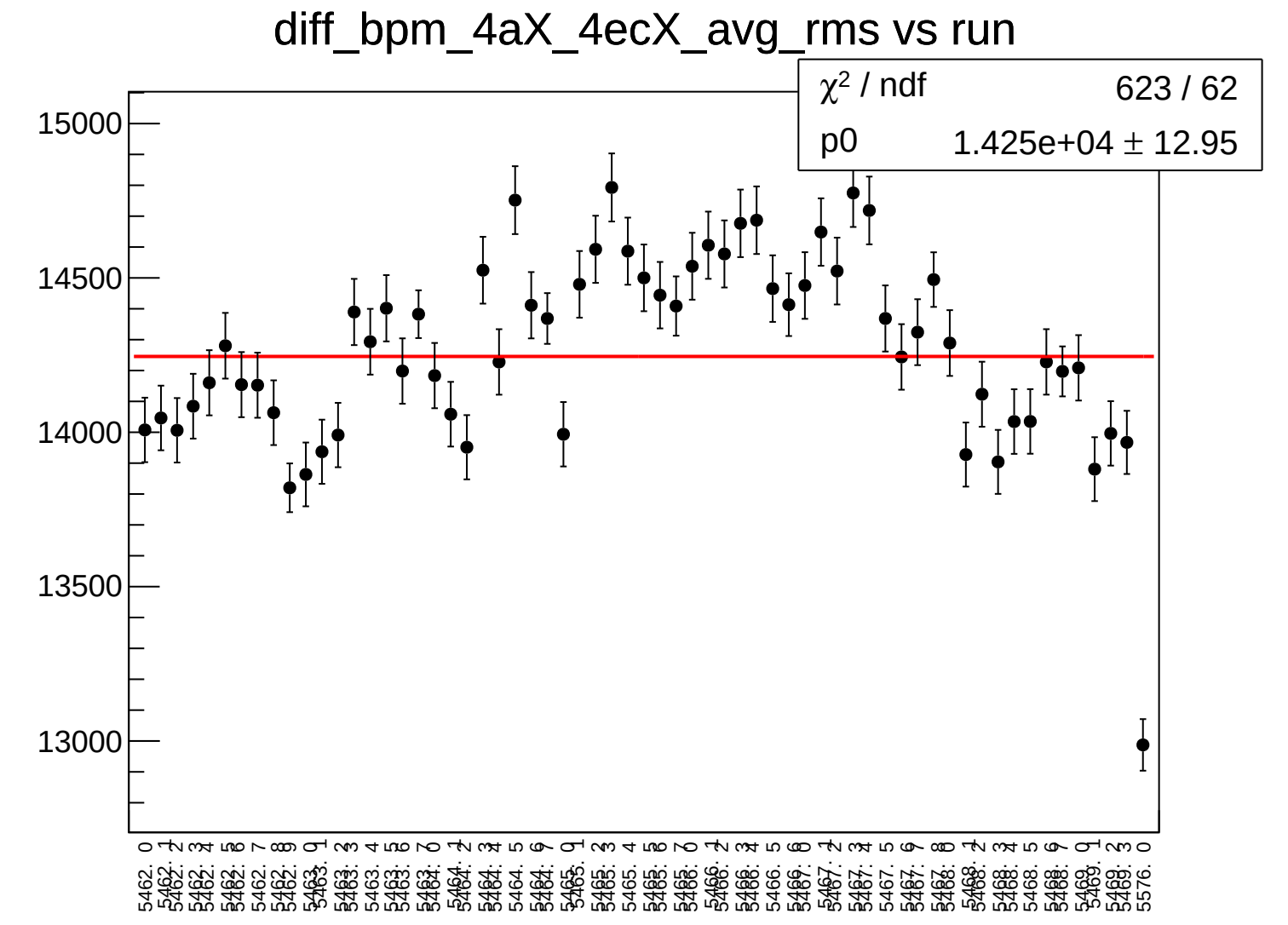

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 77.87 / 62
p0 −0.6227 ± 0.5154
pull
Entries 63
Mean 33.54
Std Dev 78.81

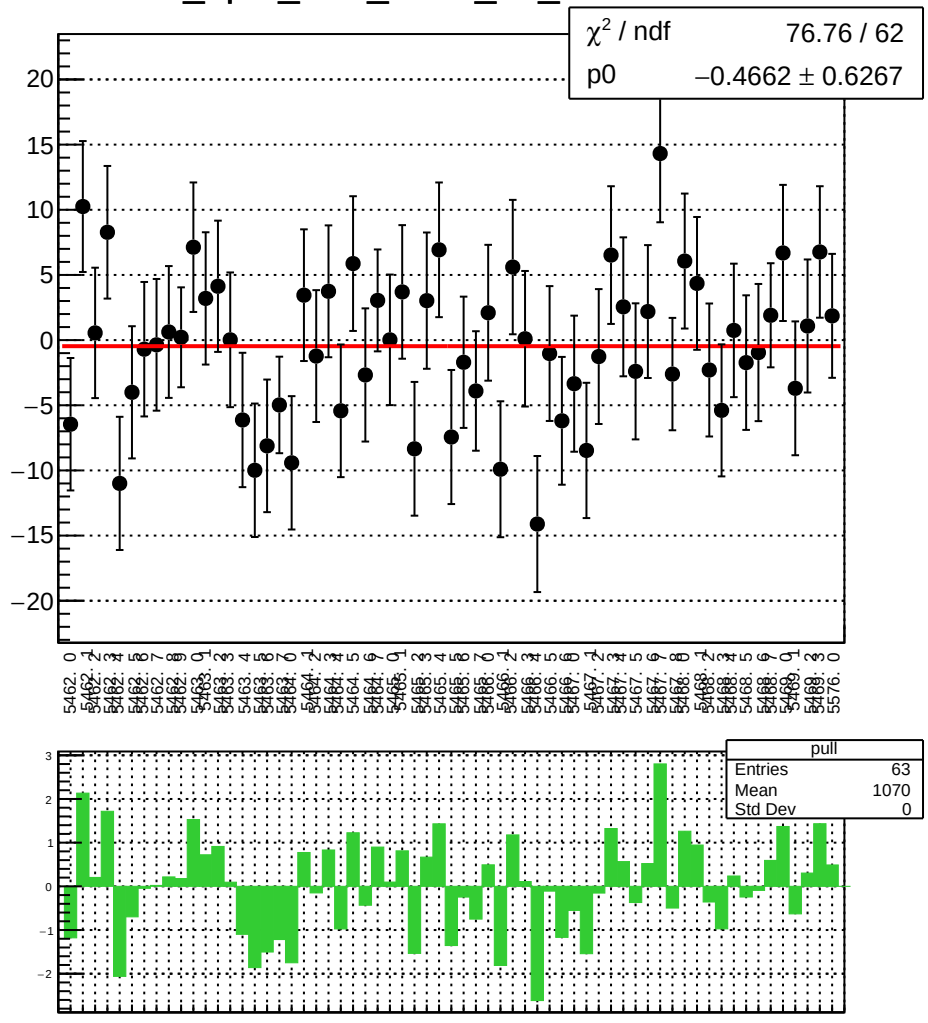

pull1D
Entries 63
Mean 0.01014
Std Dev 1.112

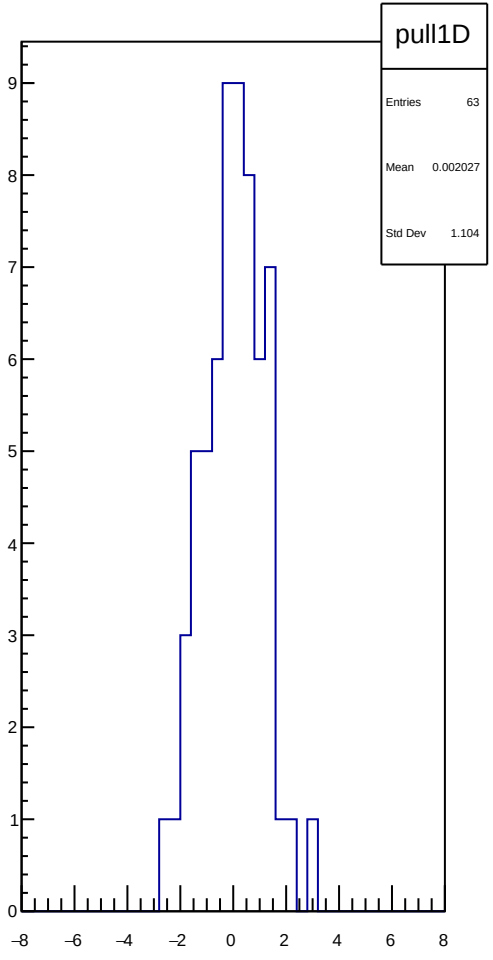

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 690.6 / 62
p0 400.9 ± 0.3645
470
460
450
440
430
420
410
400
390
380

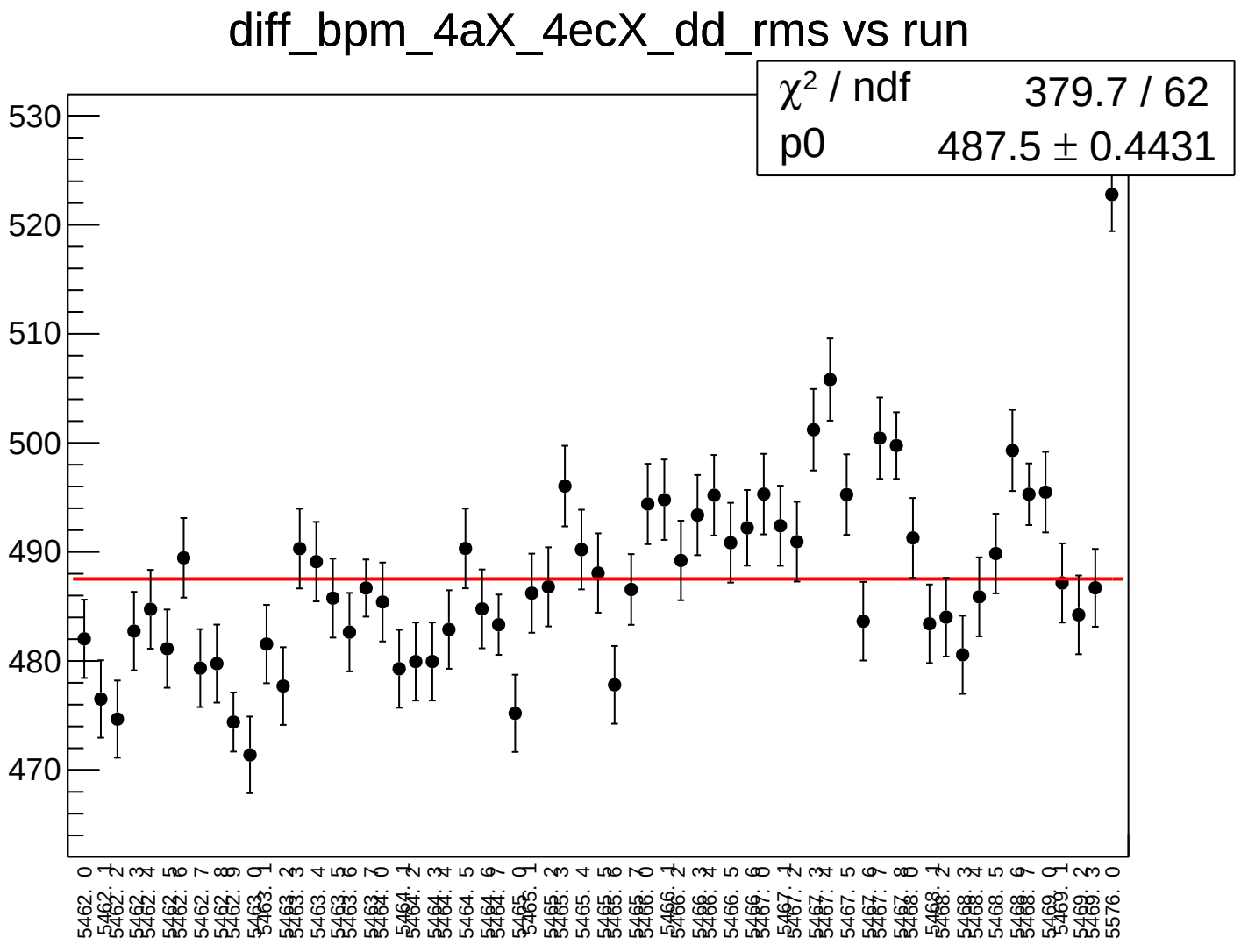

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 67.35 / 62
p0 10.35 ± 18.31
pull
Entries 63
Mean 19.15
Std Dev 0

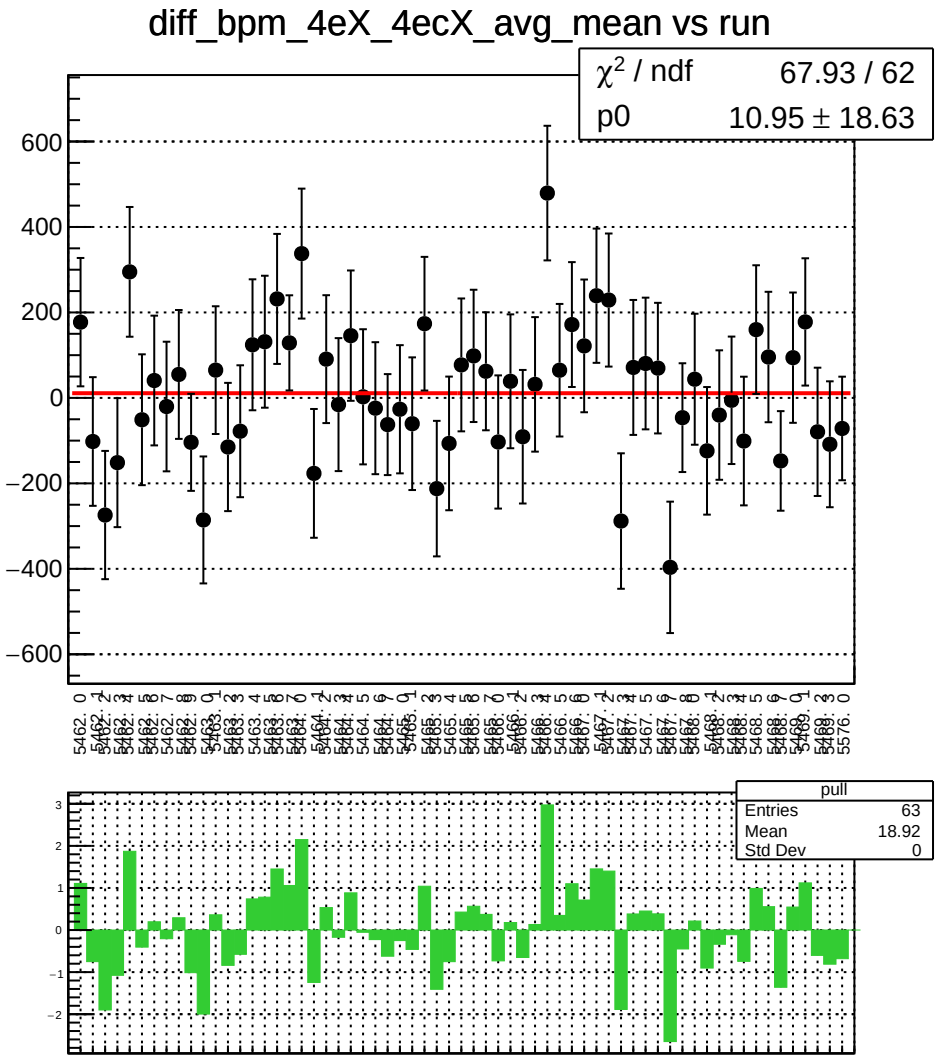

pull1D
Entries 63
Mean 0.01465
Std Dev 1.034

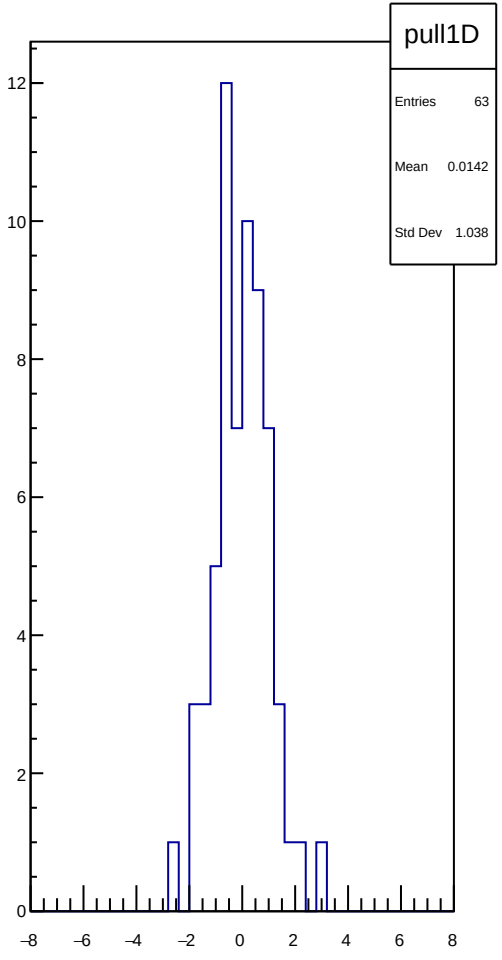

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 623 / 62
p0 1.425e+04 ± 12.95
15000
14500
14000
13500
13000

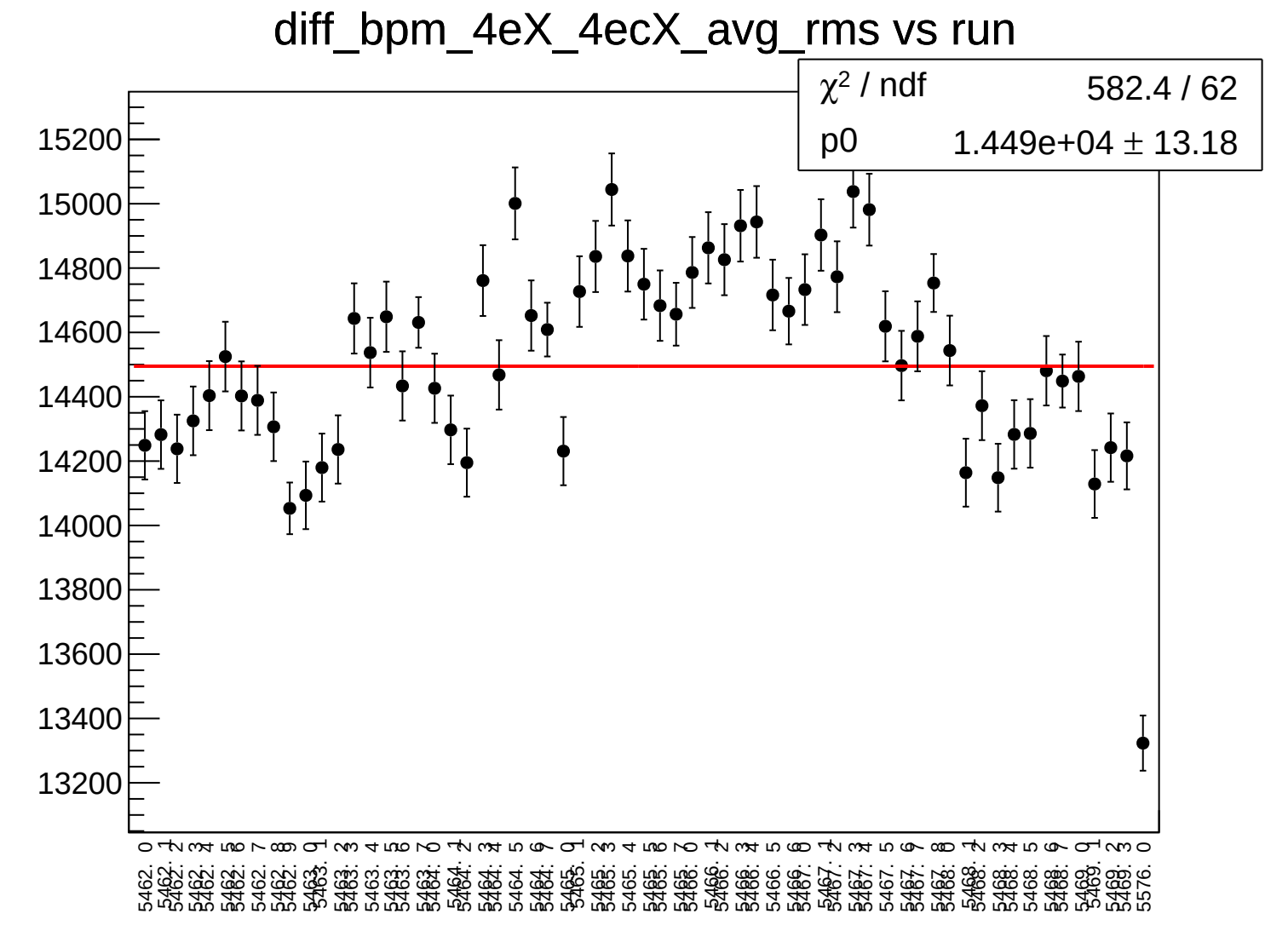

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 76.76 / 62
p0 −0.4662 ± 0.6267
pull
Entries 63
Mean 1070
Std Dev 0

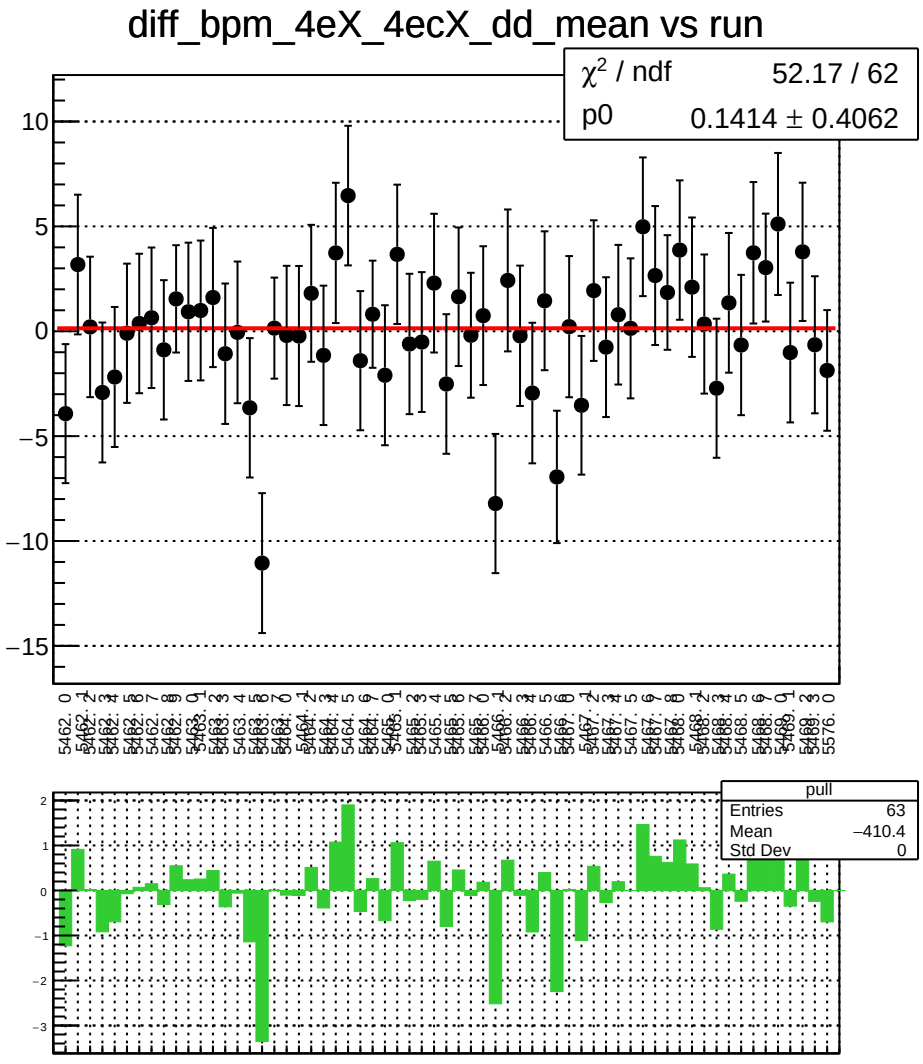

pull1D
Entries 63
Mean 0.002027
Std Dev 1.104

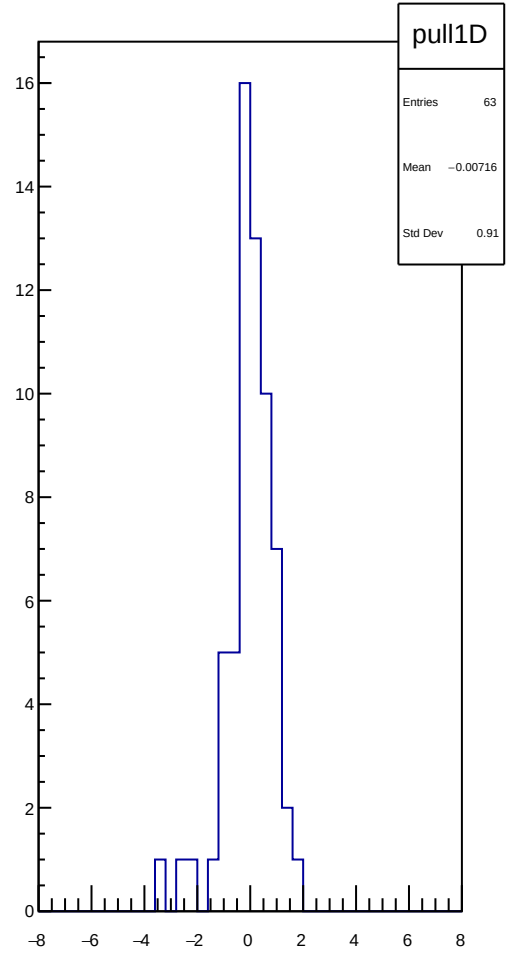

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 379.7 / 62
p0 487.5 ± 0.4431
530
520
510
500
490
480
470

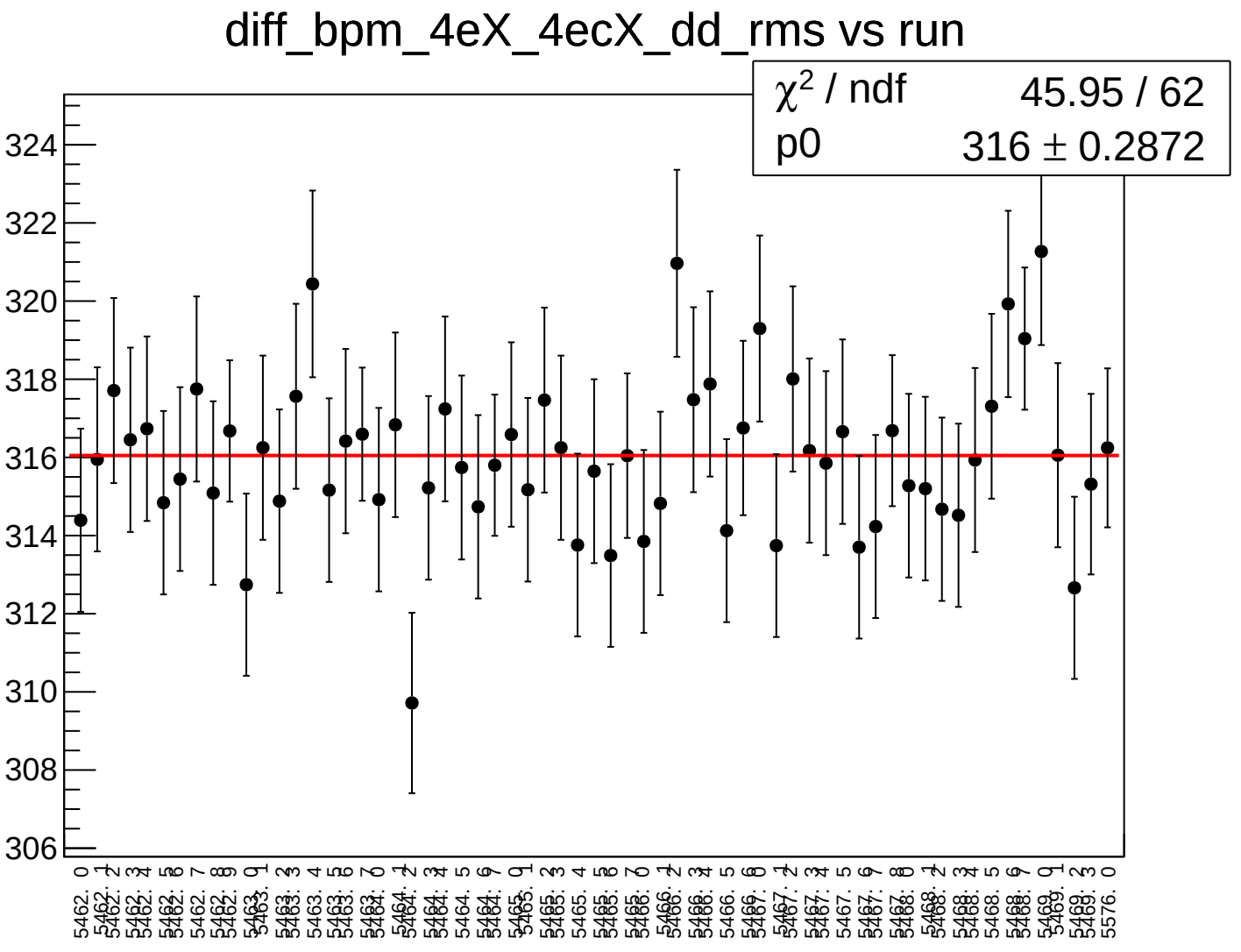

diff_bpm_4eX_4ecX_avg_mean vs run
χ^2 / ndf 67.93 / 62
p0 10.95 ± 18.63
pull
Entries 63
Mean 18.92
Std Dev 0

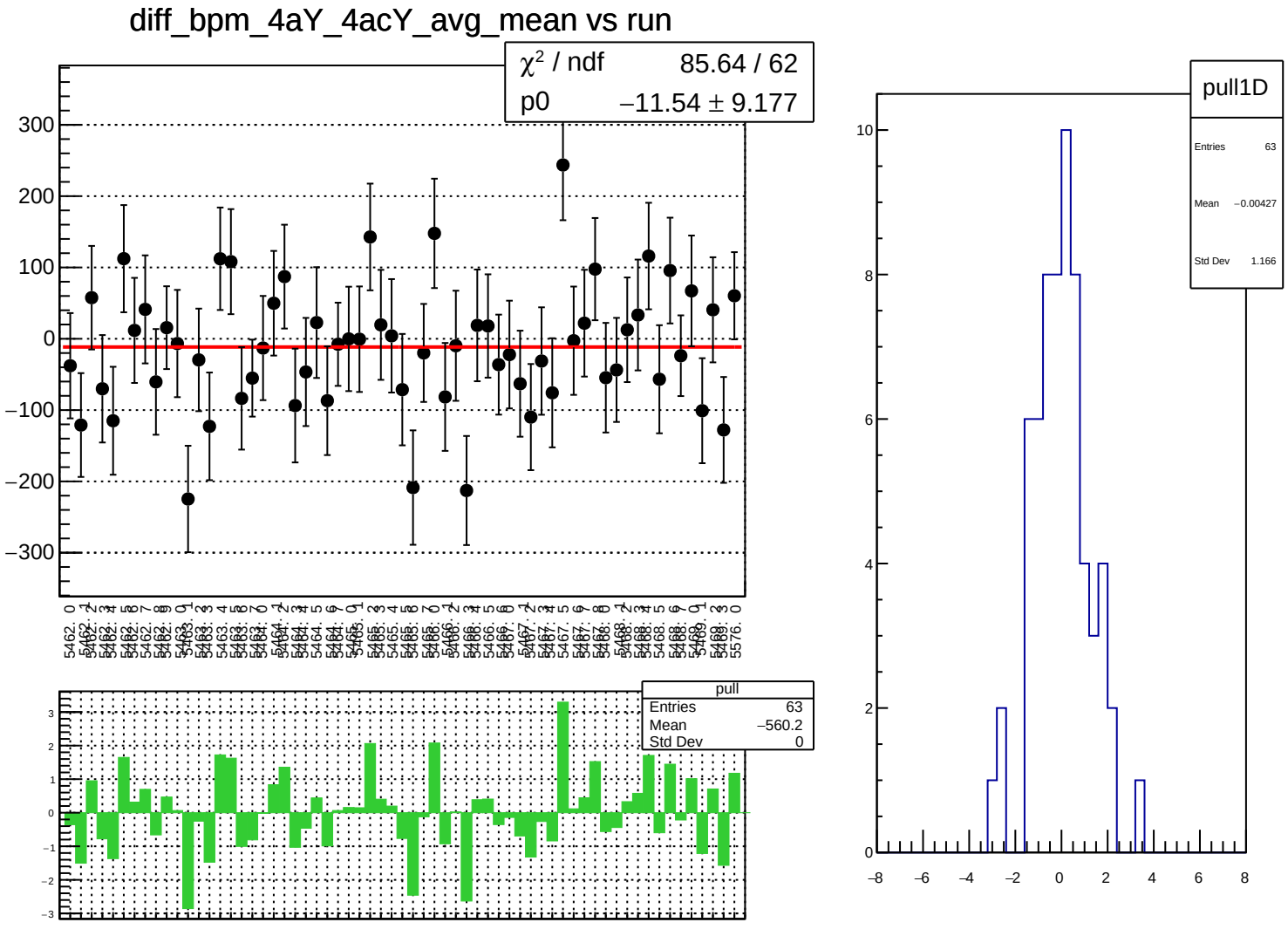

pull1D
Entries 63
Mean 0.0142
Std Dev 1.038

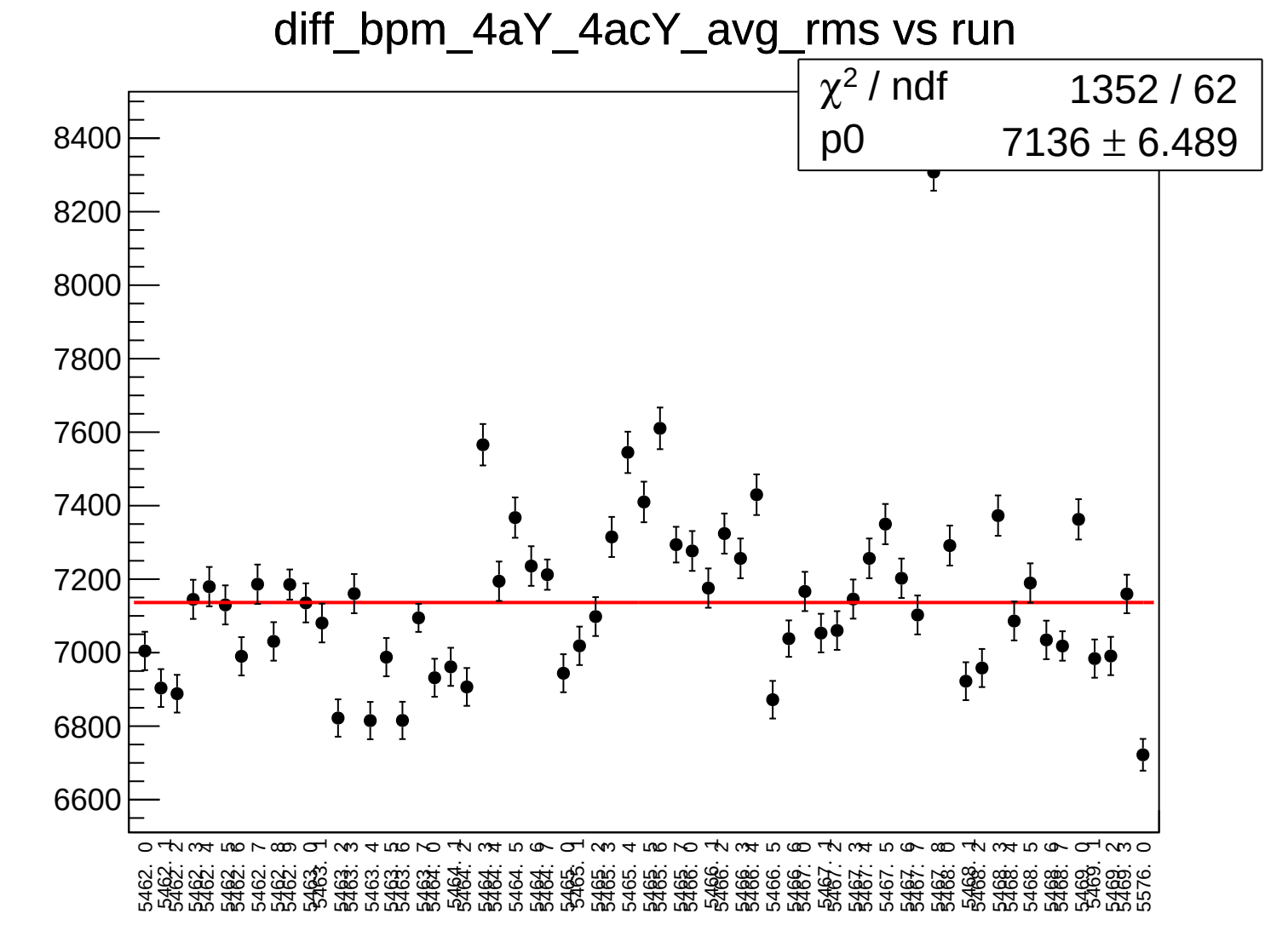

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 582.4 / 62
p0 1.449e+04 ± 13.18
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200

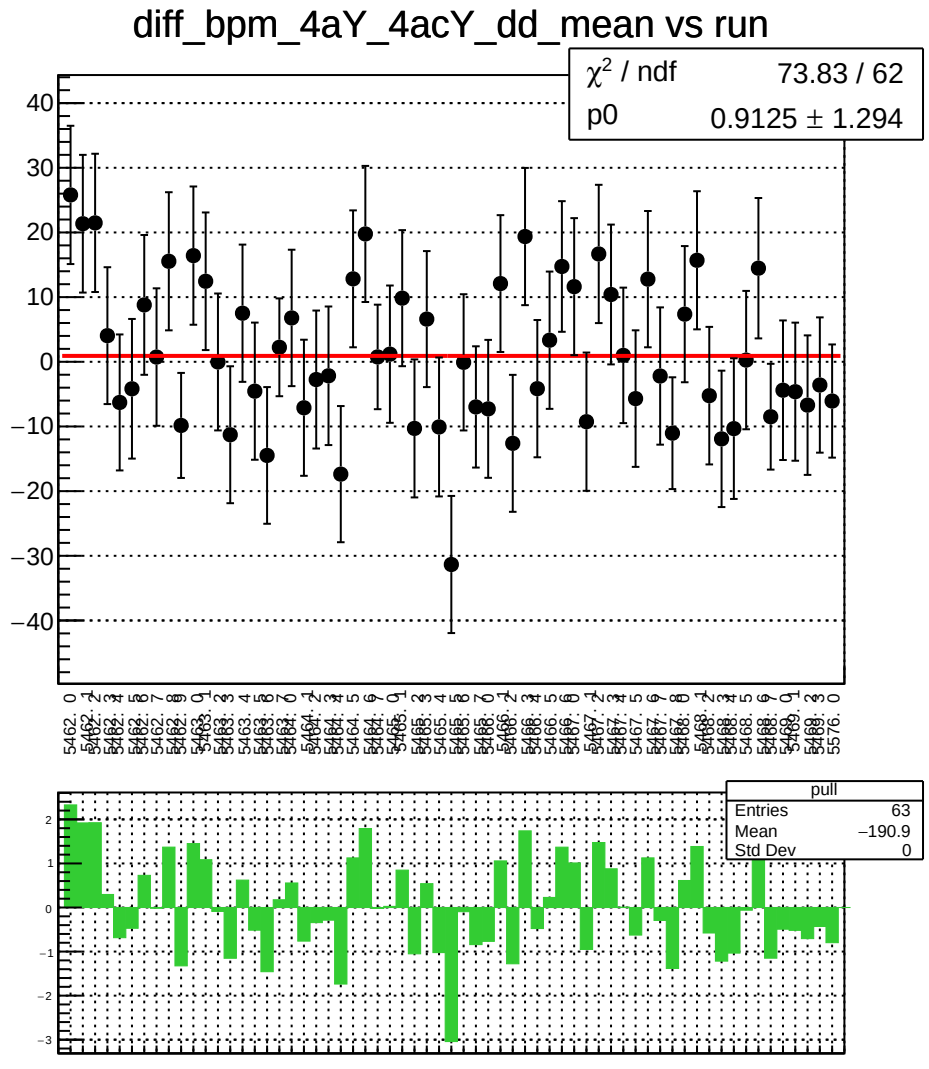

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 52.17 / 62
p0 0.1414 ± 0.4062
pull
Entries 63
Mean −410.4
Std Dev 0

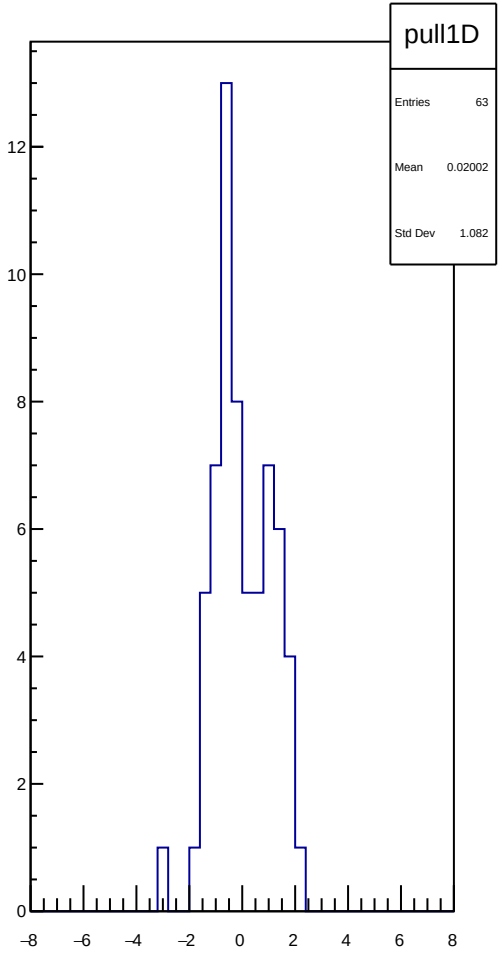

pull1D
Entries 63
Mean −0.00716
Std Dev 0.91

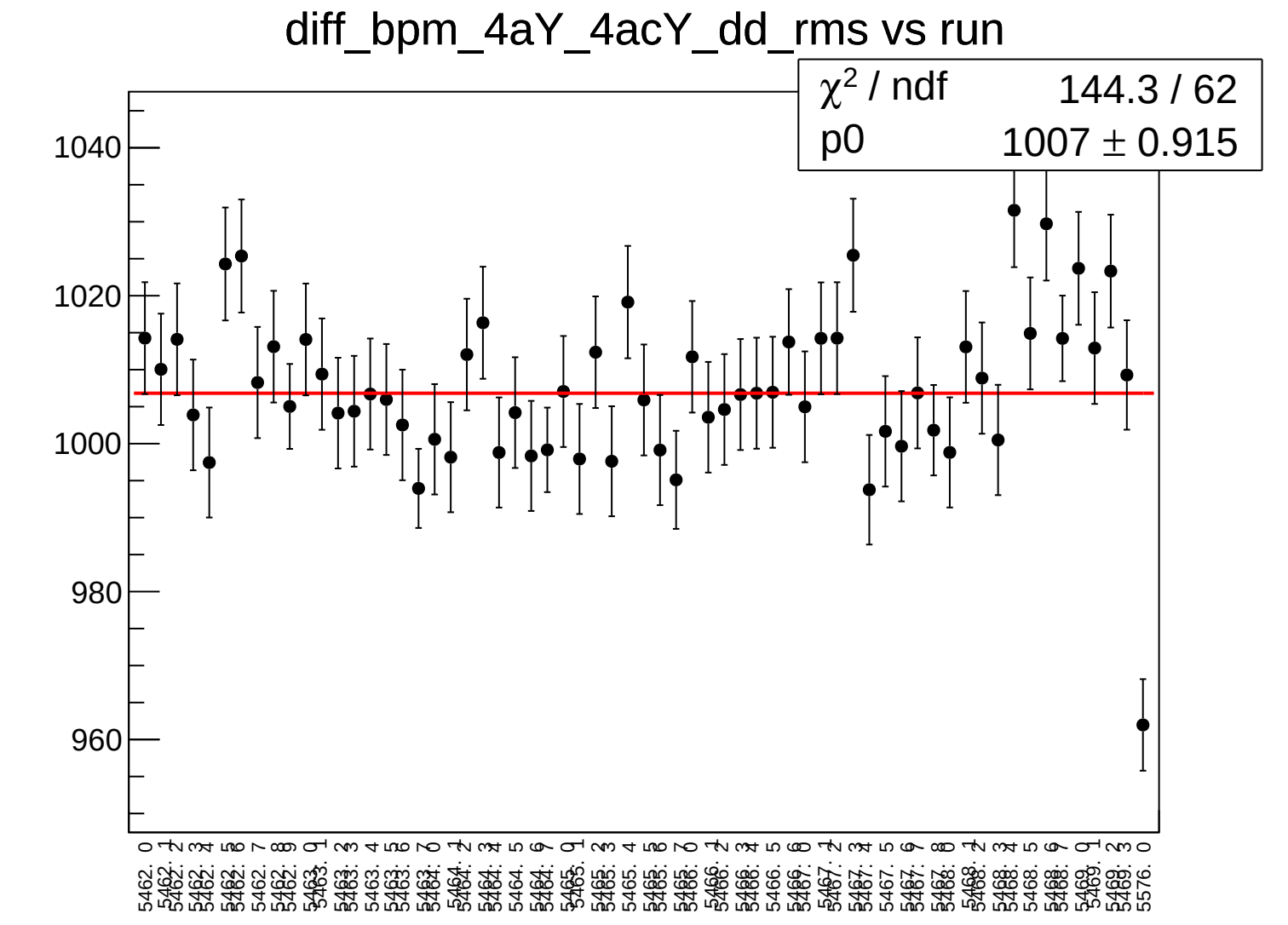

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 45.95 / 62
p0 316 ± 0.2872
324
322
320
318
316
314
312
310
308
306

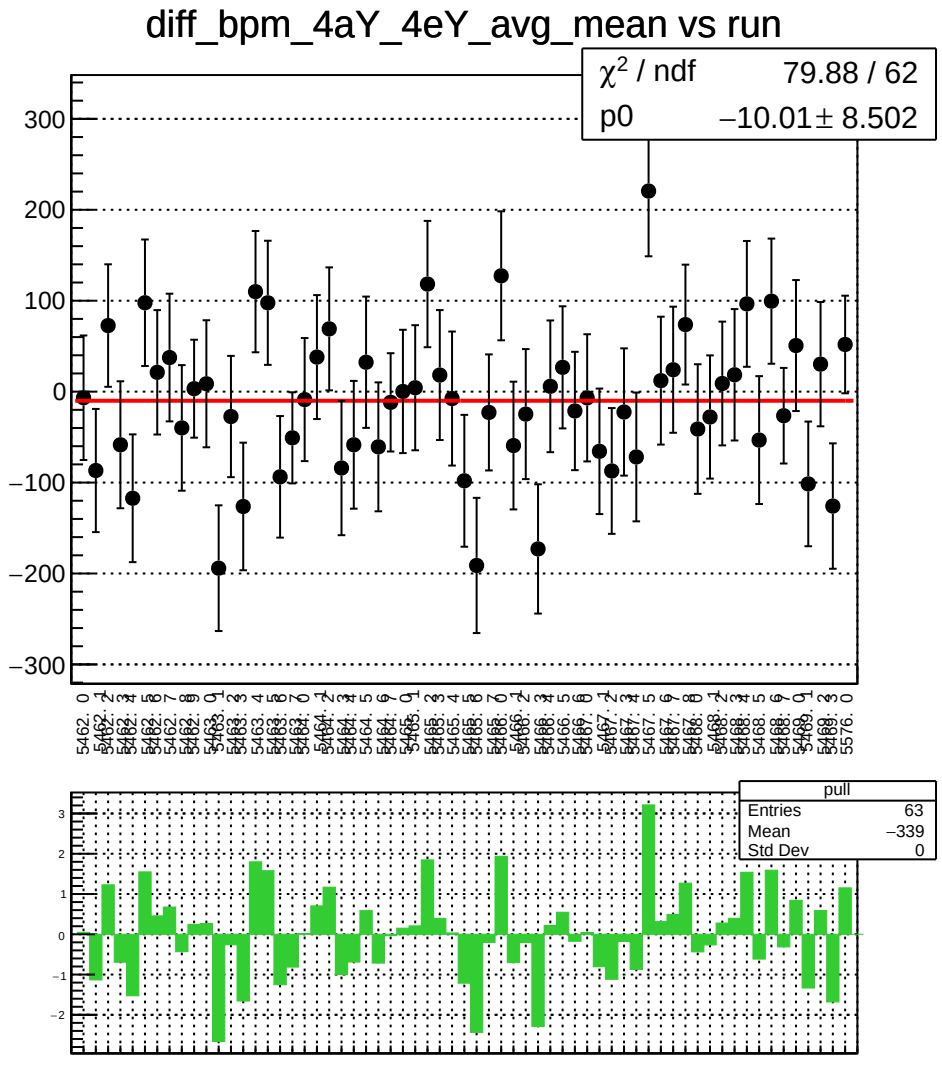

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 85.64 / 62
p0 −11.54 ± 9.177
pull
Entries 63
Mean −560.2
Std Dev 0
pull1D
Entries 63
Mean −0.00427
Std Dev 1.166

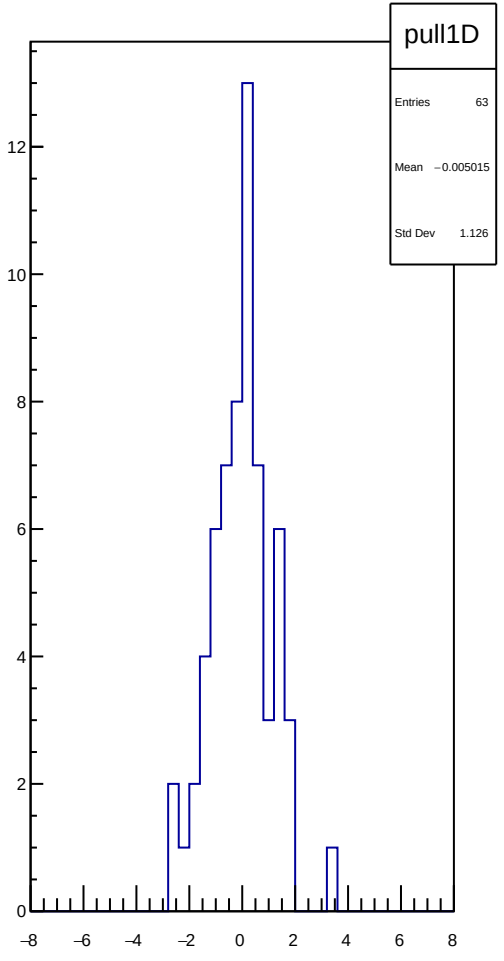

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 1352 / 62
p0 7136 ± 6.489
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

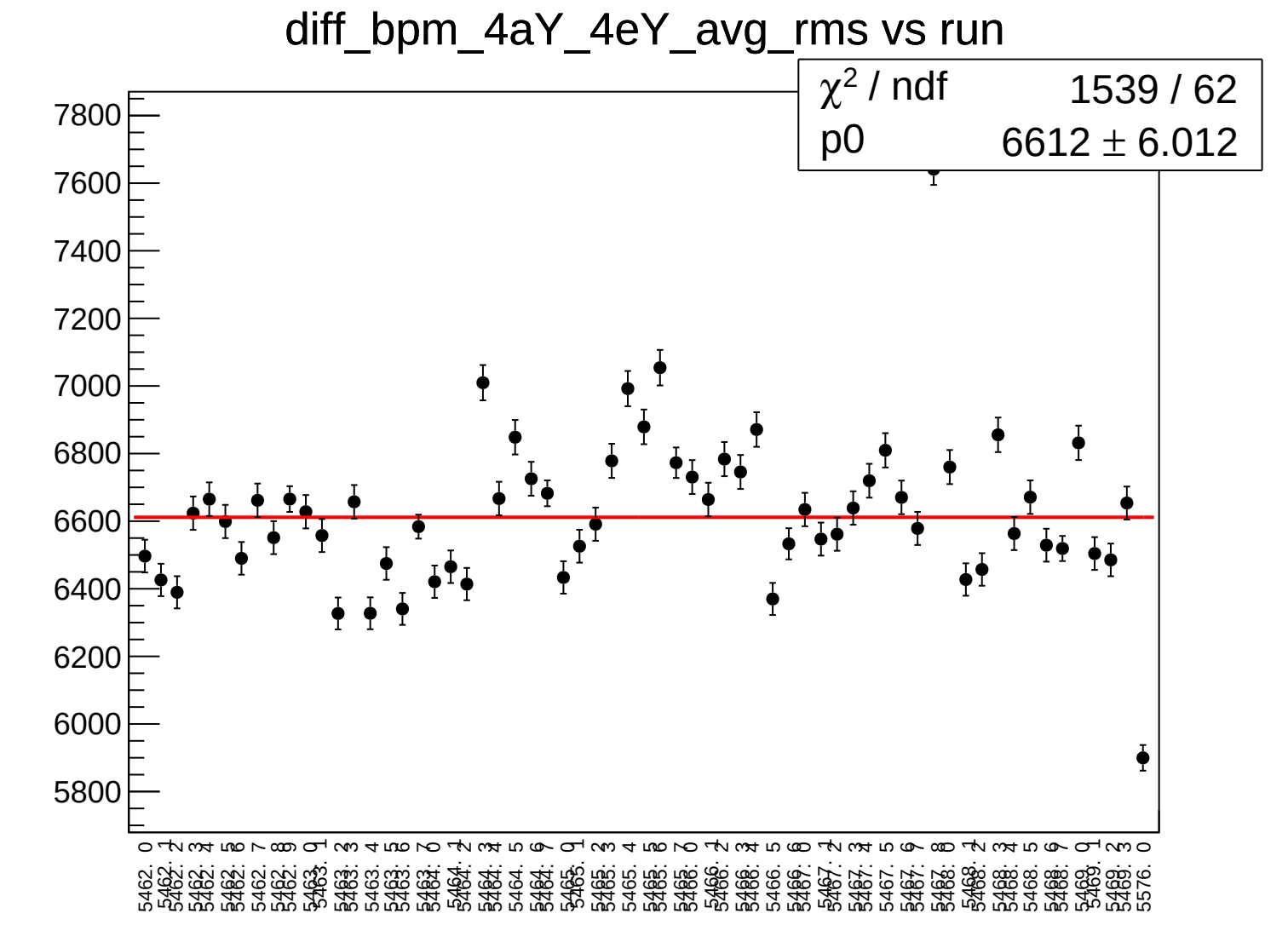

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 73.83 / 62
p0 0.9125 ± 1.294
pull
Entries 63
Mean −190.9
Std Dev 0

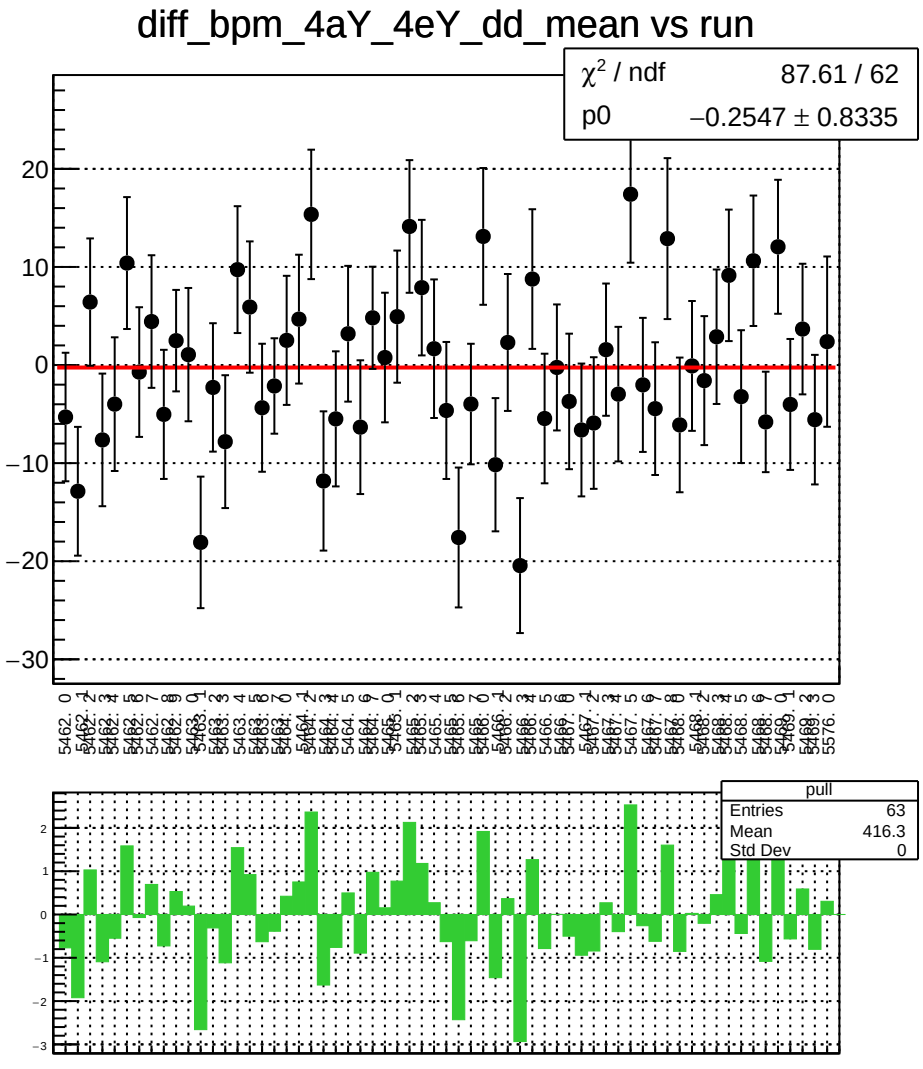

pull1D
Entries 63
Mean 0.02002
Std Dev 1.082

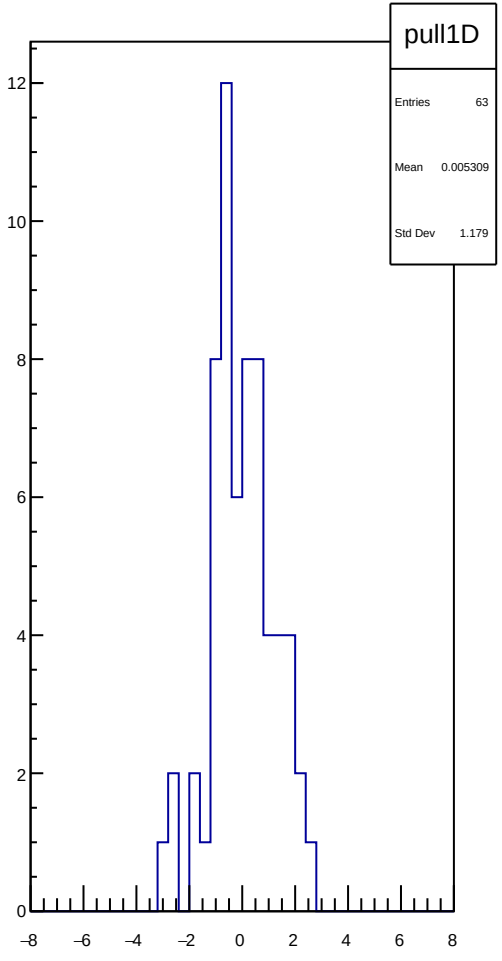

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 144.3 / 62
p0 1007 ± 0.915
1040
1020
1000
980
960

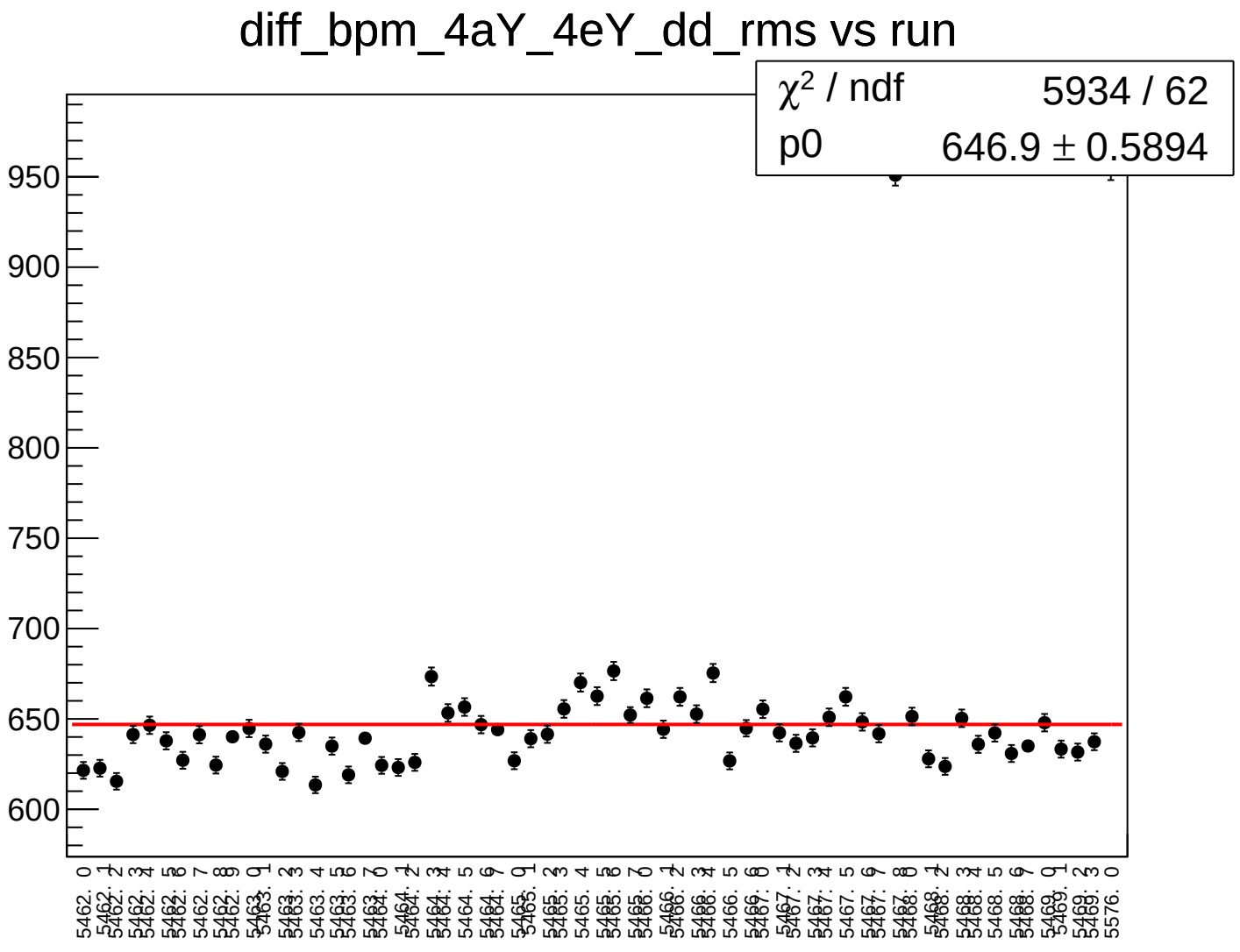

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 79.88 / 62
p0 −10.01 ± 8.502
pull
Entries 63
Mean −339
Std Dev 0

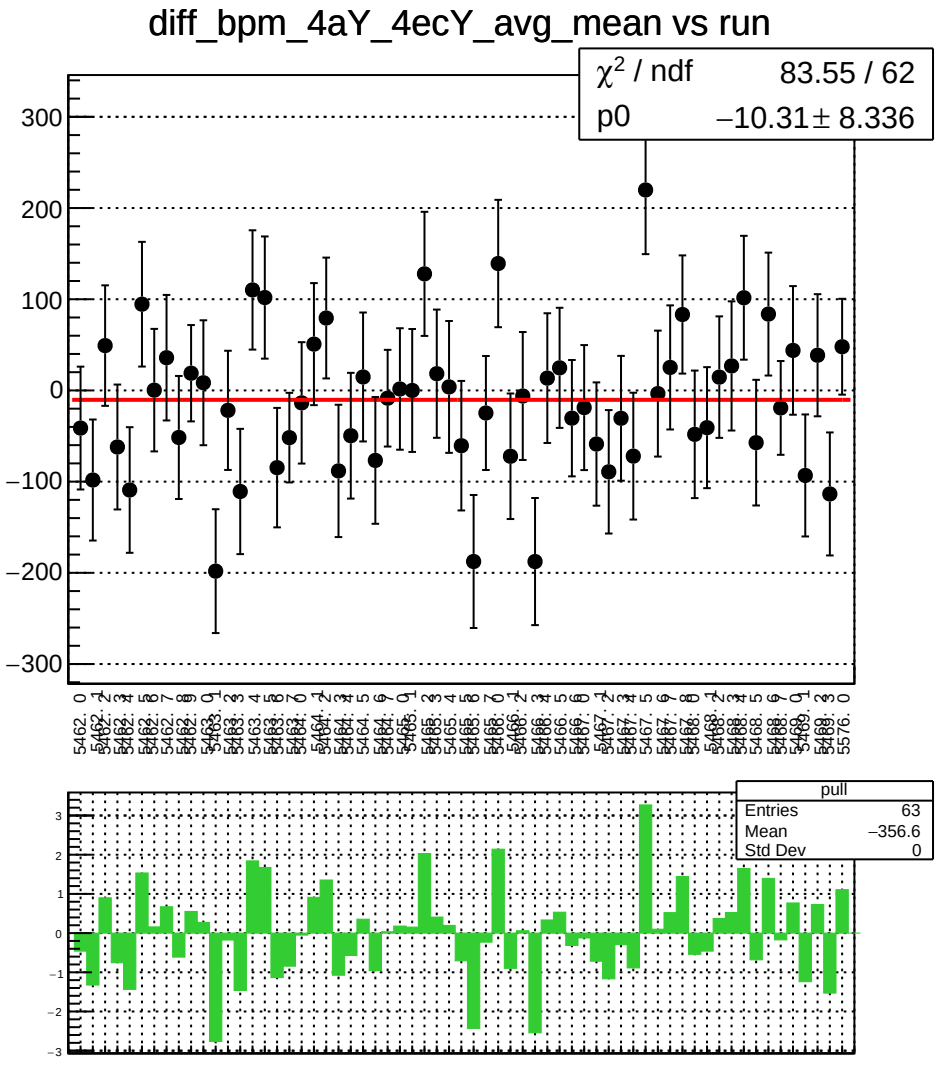

pull1D
Entries 63
Mean −0.005015
Std Dev 1.126

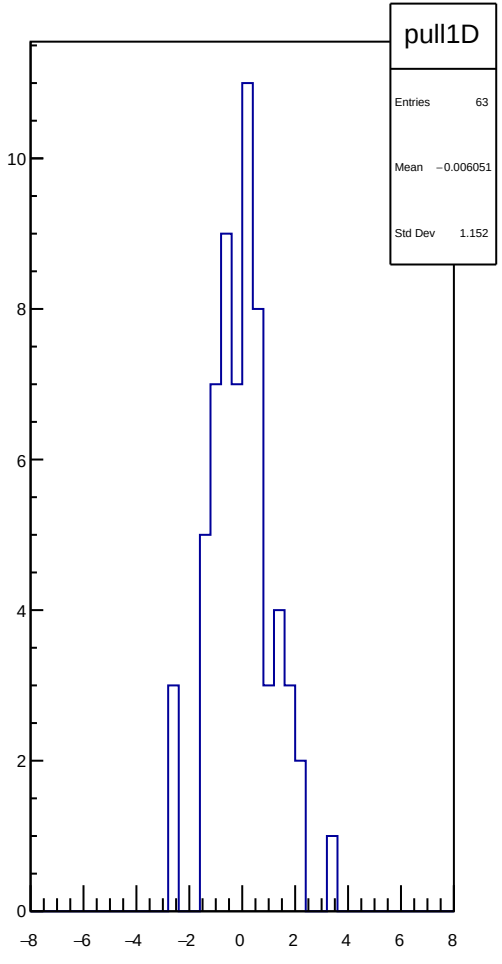

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 1539 / 62
p0 6612 ± 6.012
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

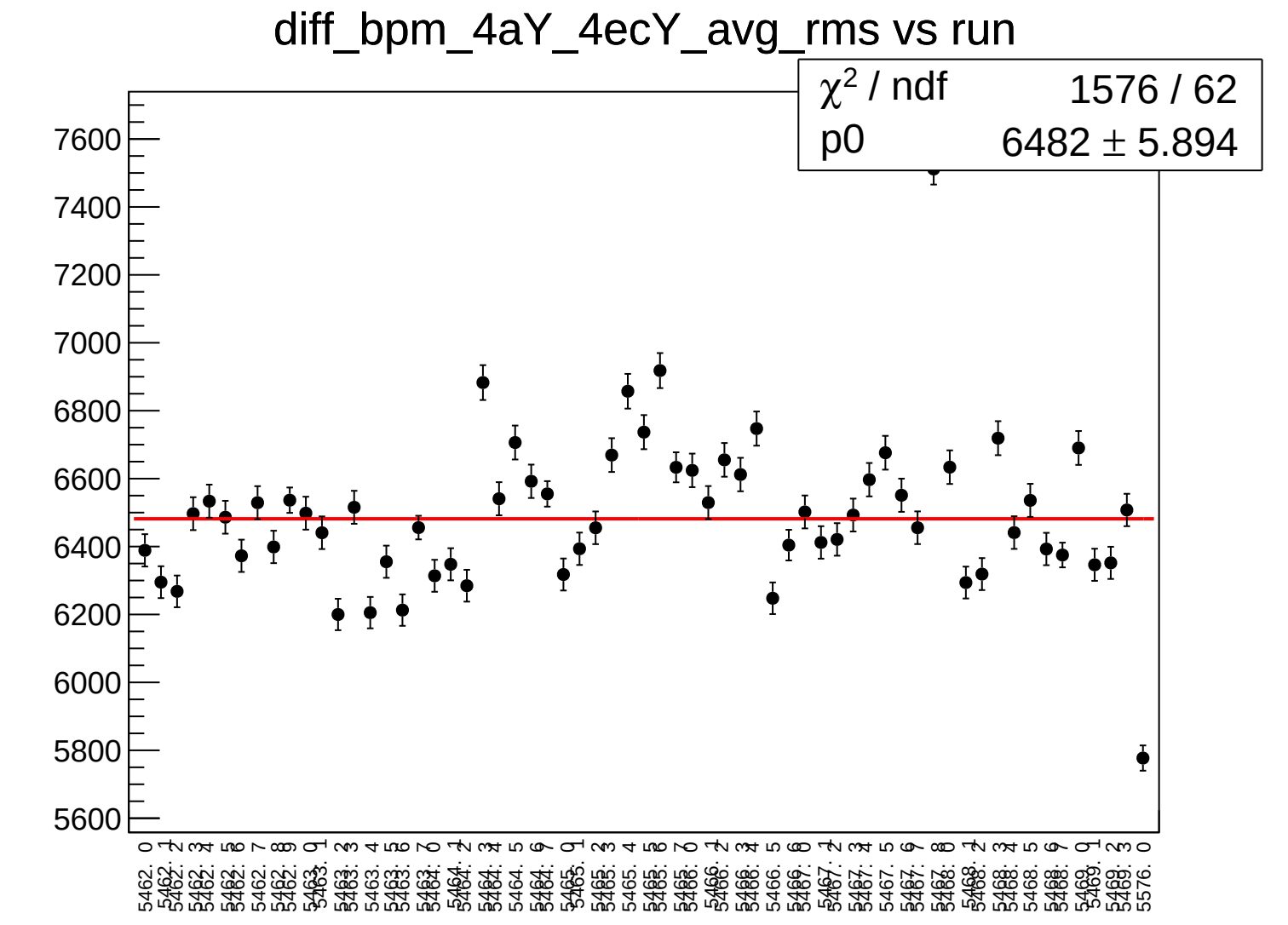

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 87.61 / 62
p0 −0.2547 ± 0.8335
pull
Entries 63
Mean 416.3
Std Dev 0

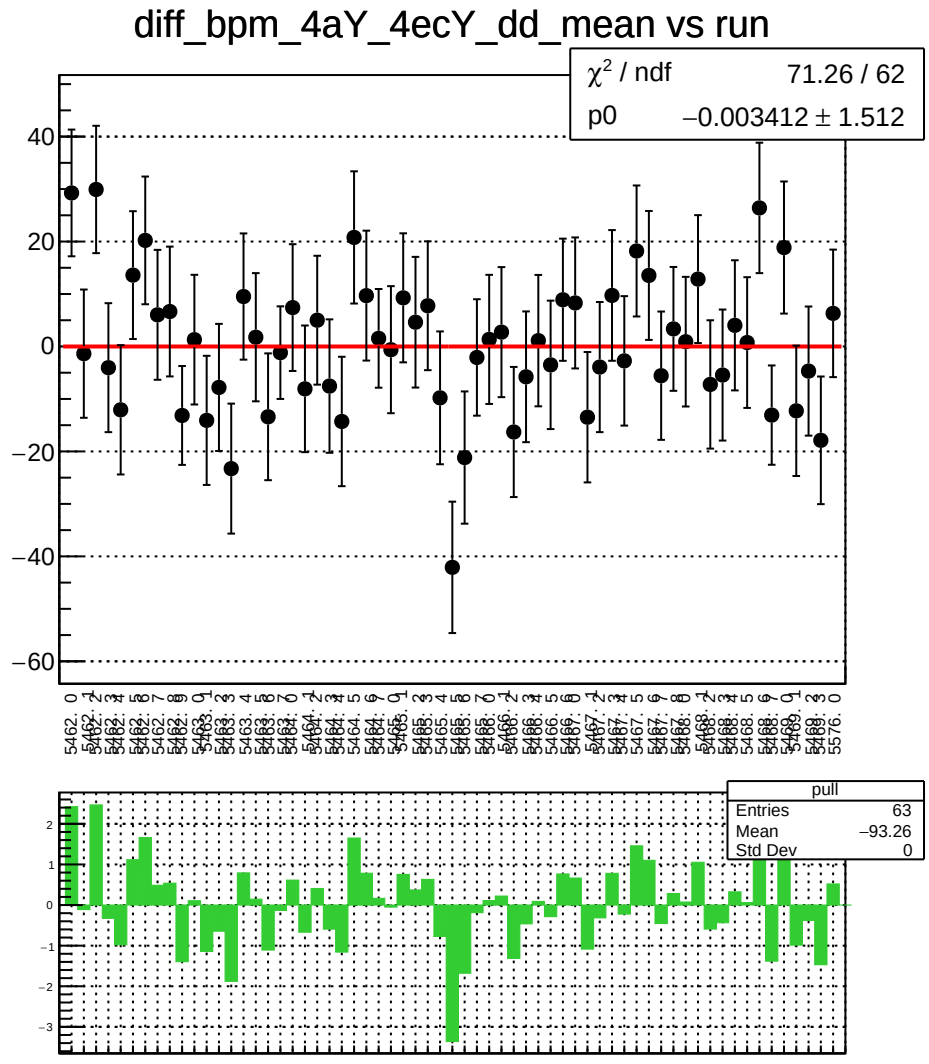

pull1D
Entries 63
Mean 0.005309
Std Dev 1.179

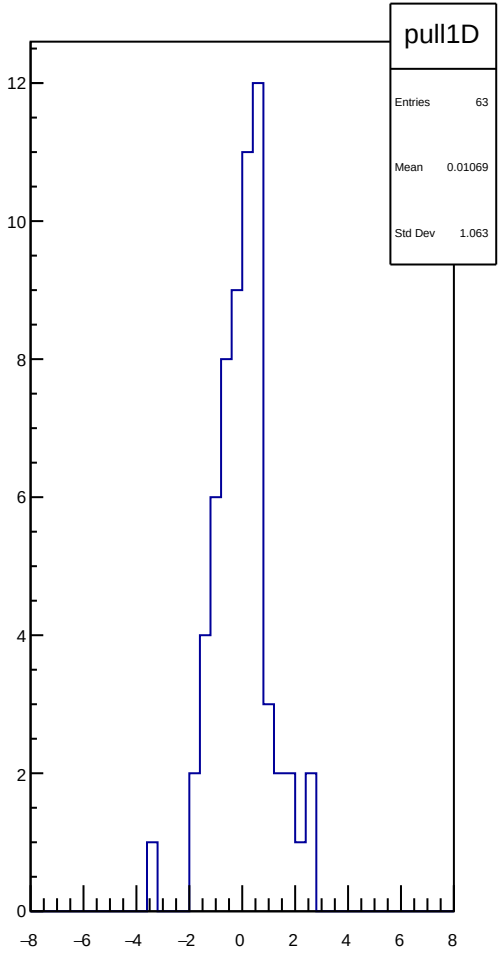

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 5934 / 62
p0 646.9 ± 0.5894
950
900
850
800
750
700
650
600

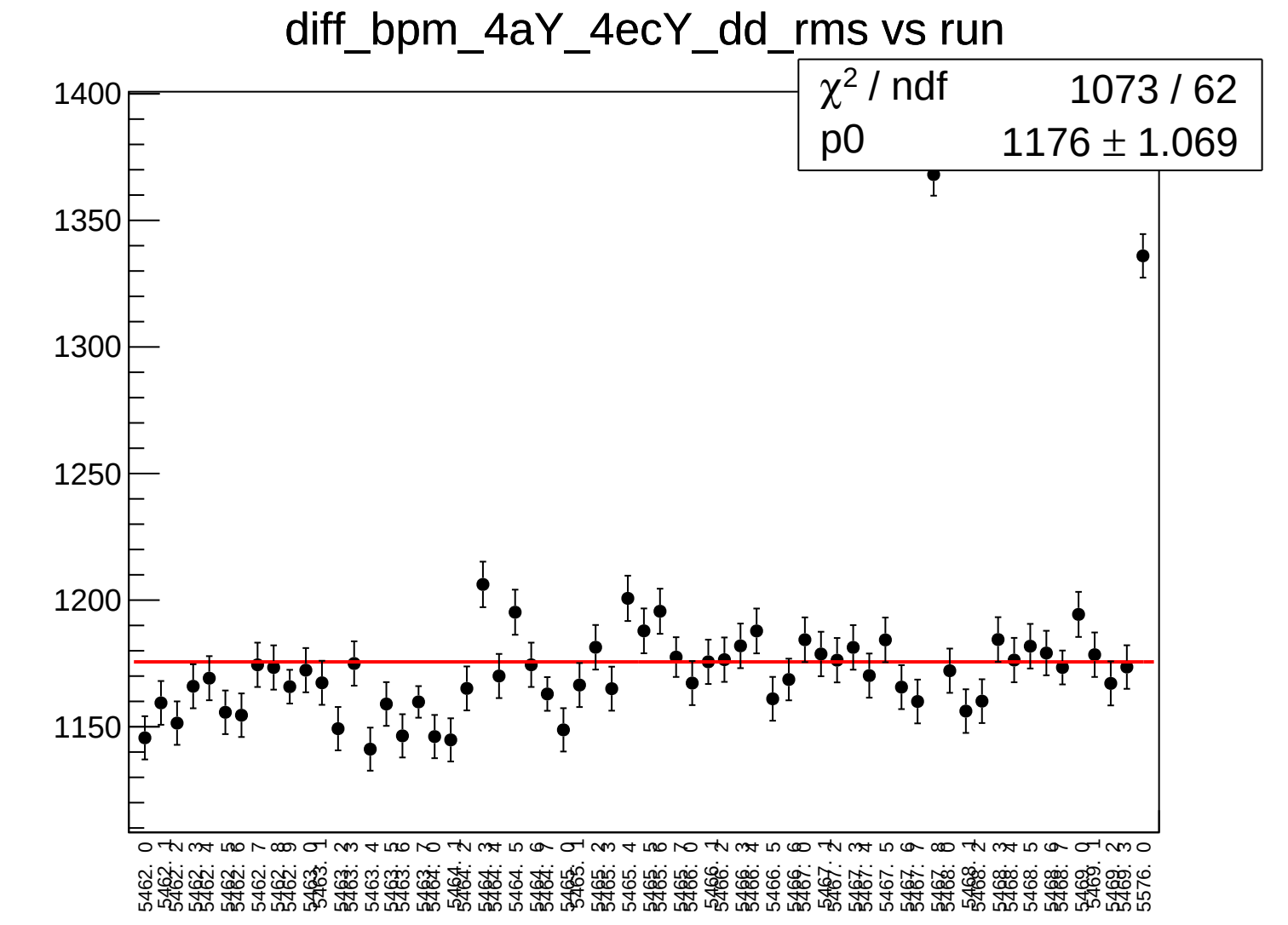

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 83.55 / 62
p0 −10.31 ± 8.336
pull
Entries 63
Mean −356.6
Std Dev 0

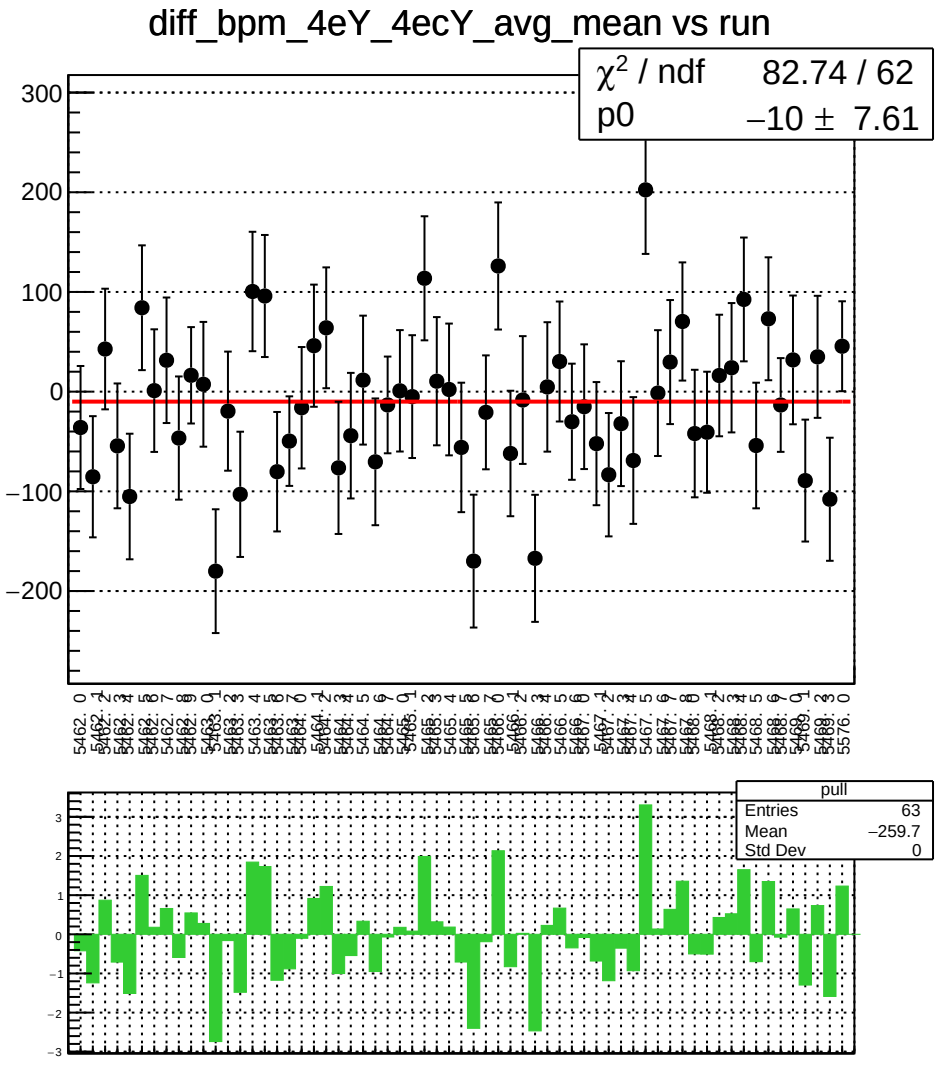

pull1D
Entries 63
Mean −0.006051
Std Dev 1.152

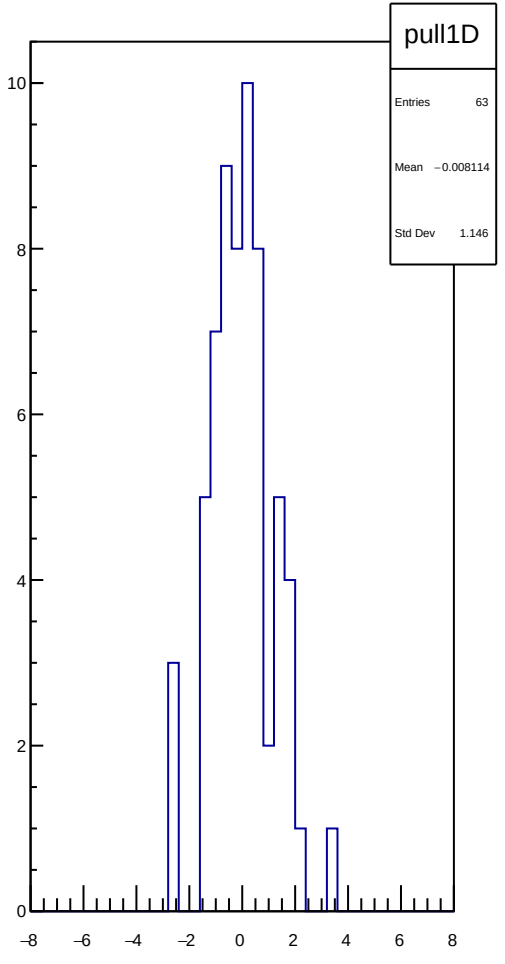

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1576 / 62
p0 6482 ± 5.894
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

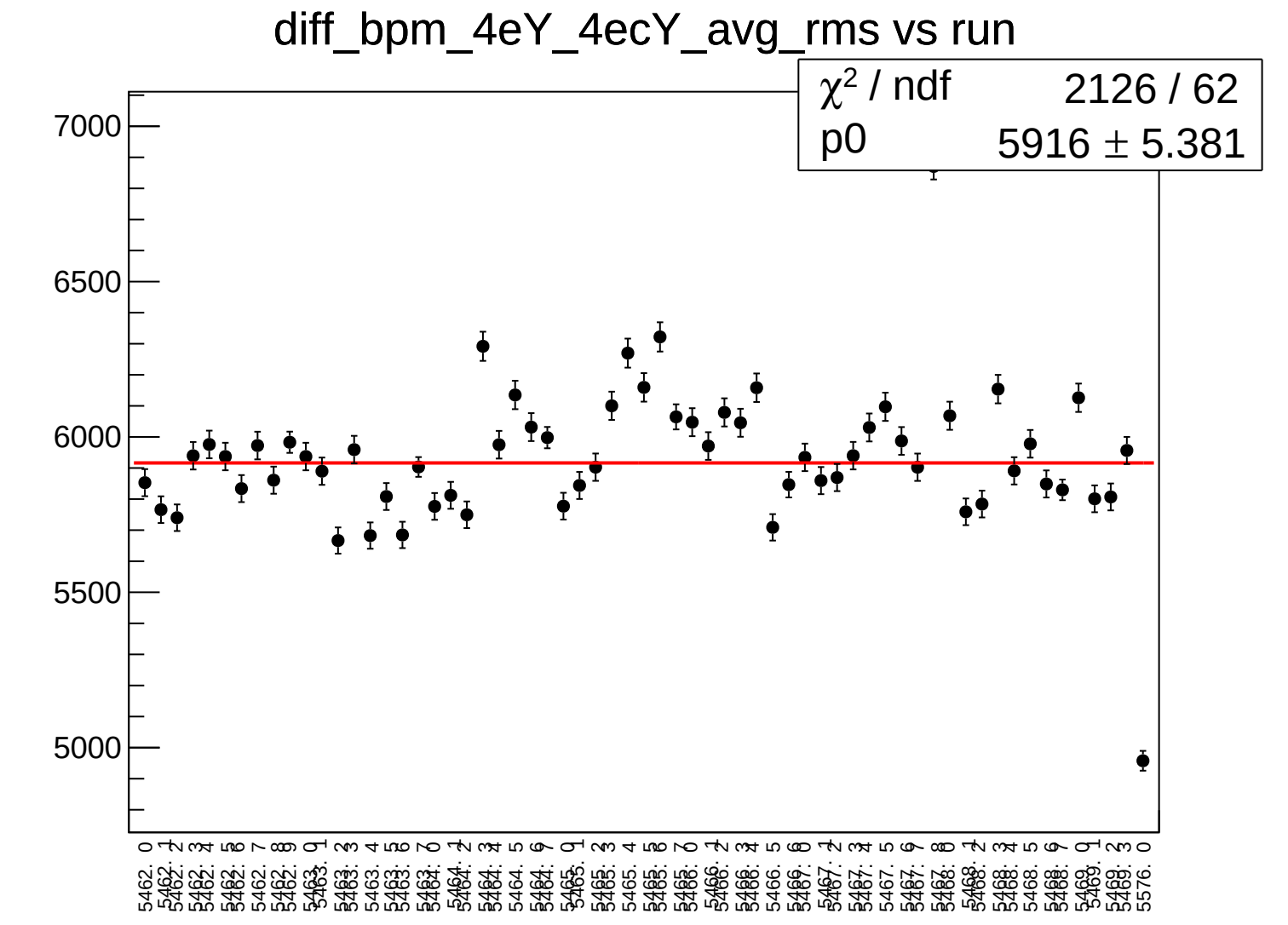

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 71.26 / 62
p0 −0.003412 ± 1.512
pull
Entries 63
Mean −93.26
Std Dev 0

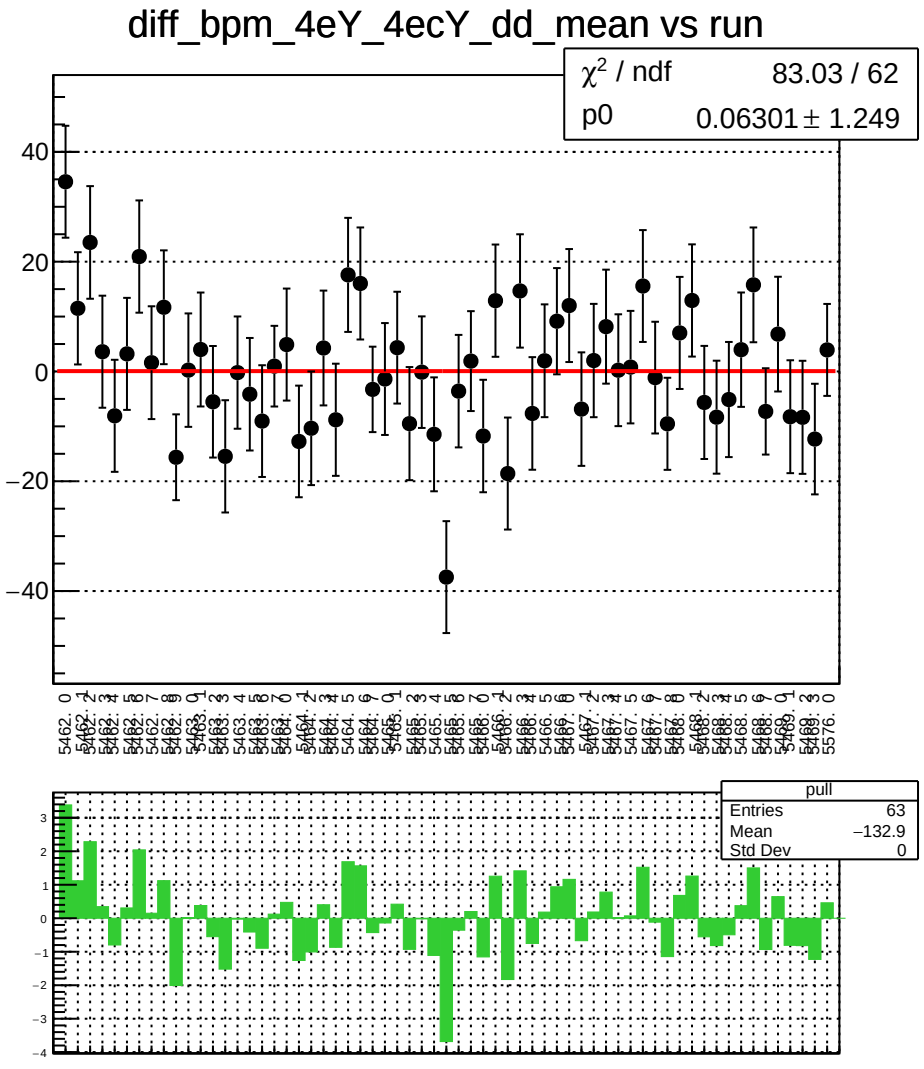

pull1D
Entries 63
Mean 0.01069
Std Dev 1.063

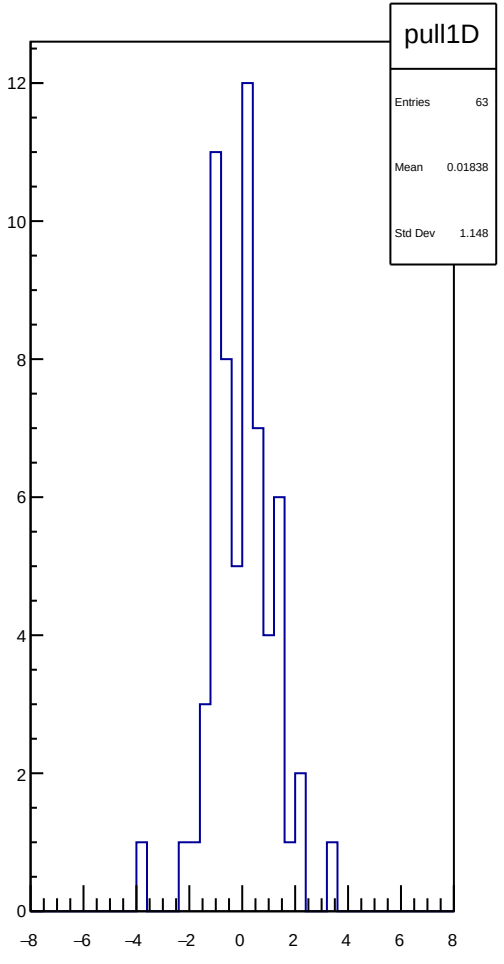

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1073 / 62
p0 1176 ± 1.069
1400
1350
1300
1250
1200
1150

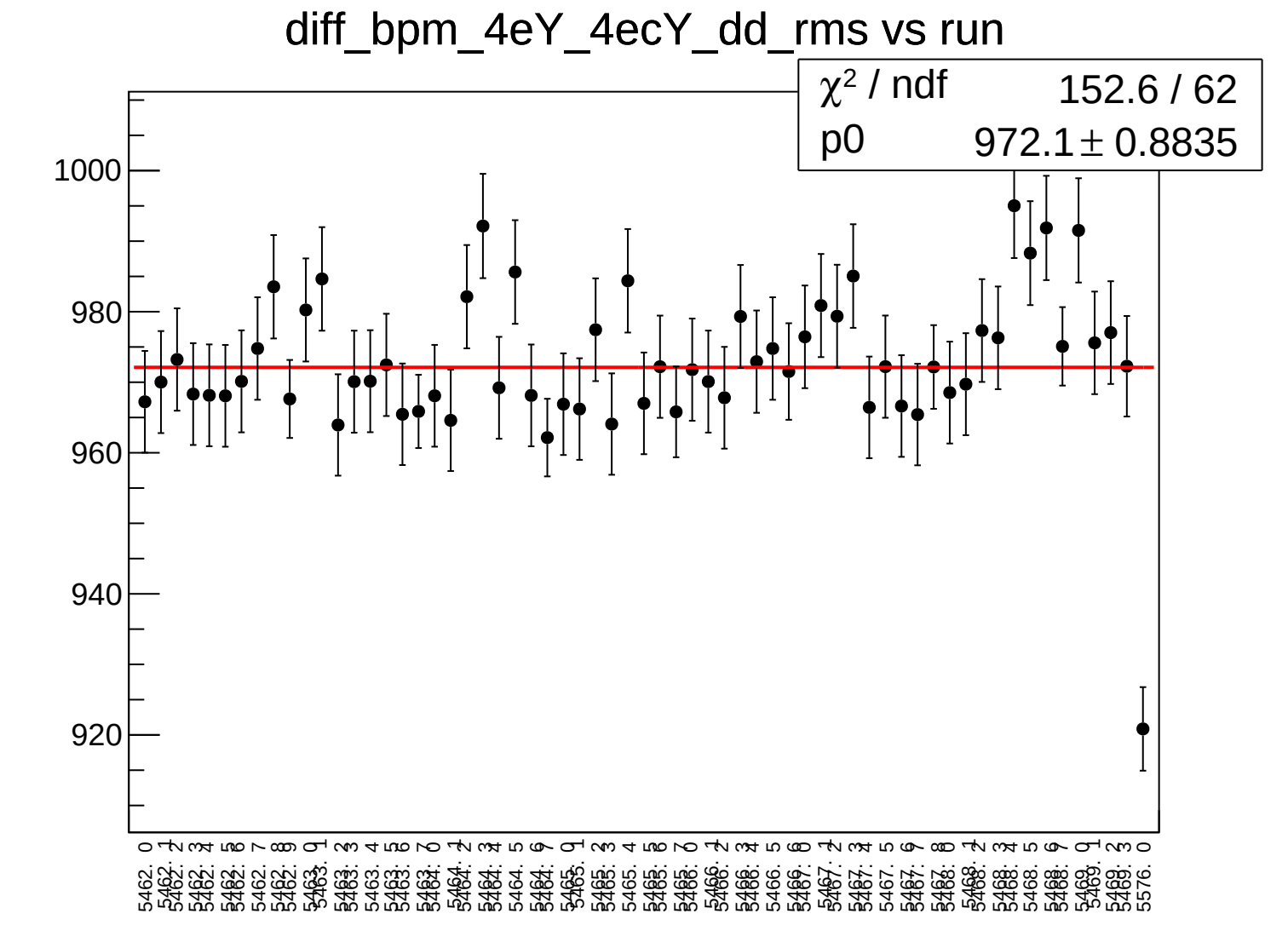

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 82.74 / 62
p0 −10 ± 7.61
pull
Entries 63
Mean −259.7
Std Dev 0

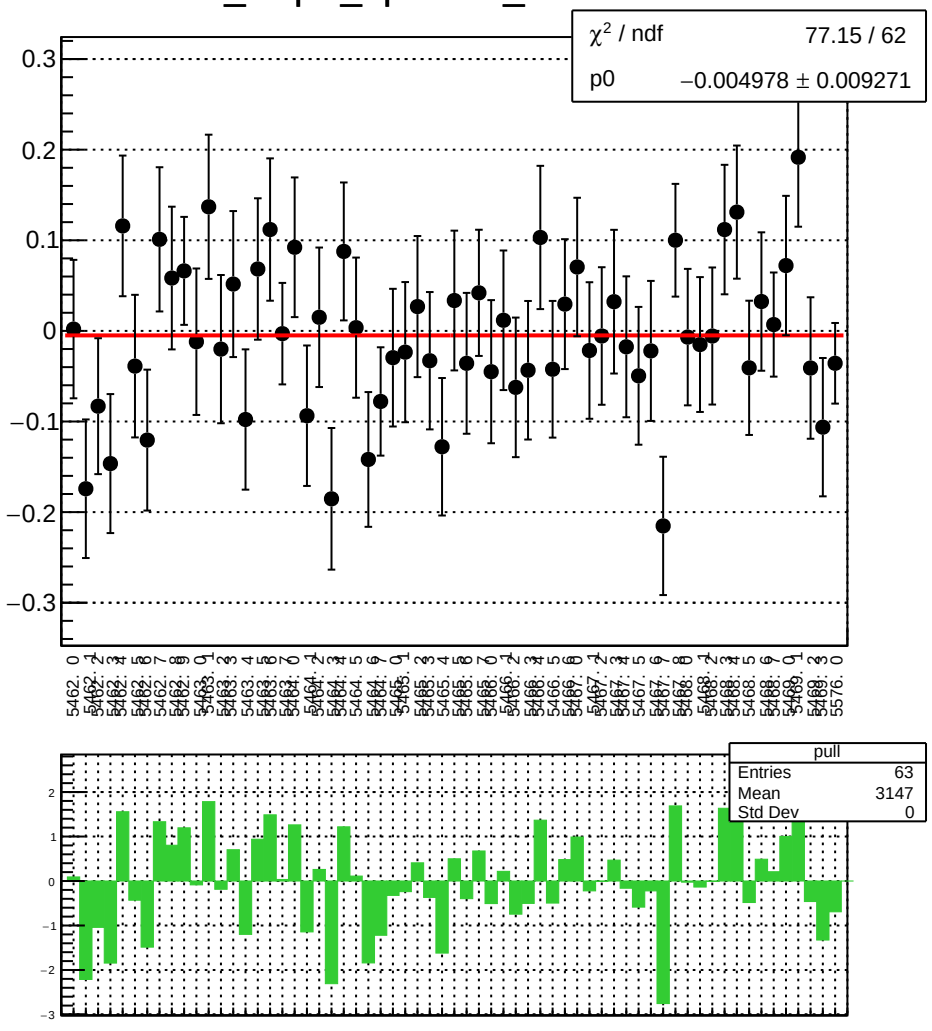

pull1D
Entries 63
Mean −0.008114
Std Dev 1.146

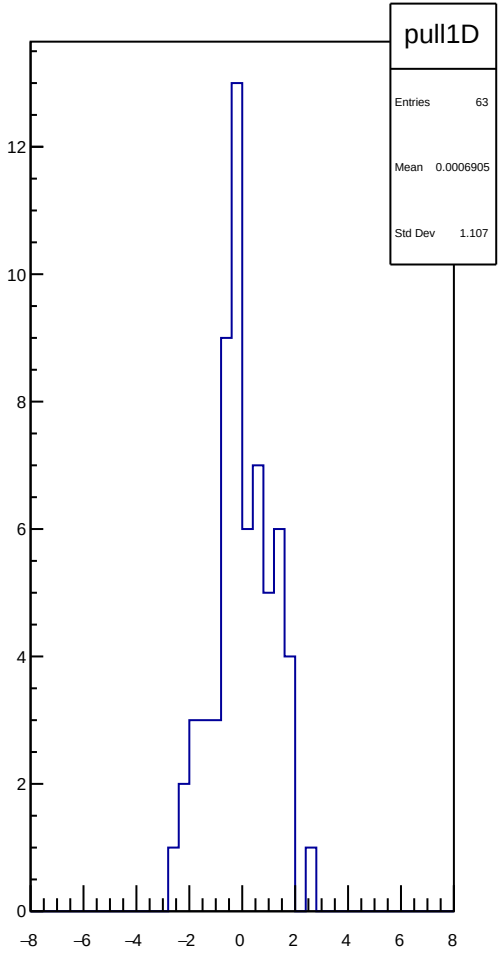

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 2126 / 62
p0 5916 ± 5.381
7000
6500
6000
5500
5000

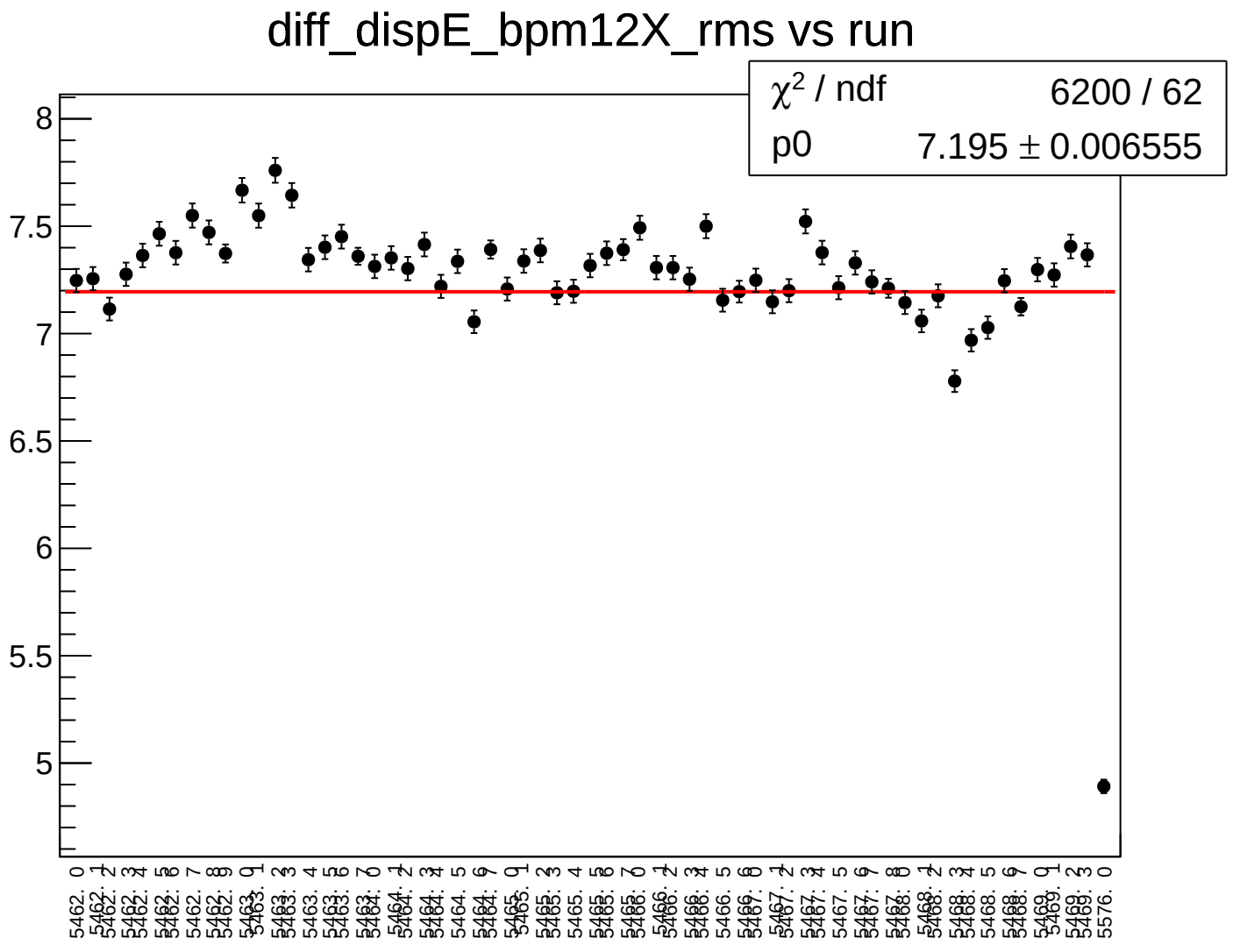

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 83.03 / 62
p0 0.06301 ± 1.249
pull
Entries 63
Mean −132.9
Std Dev 0

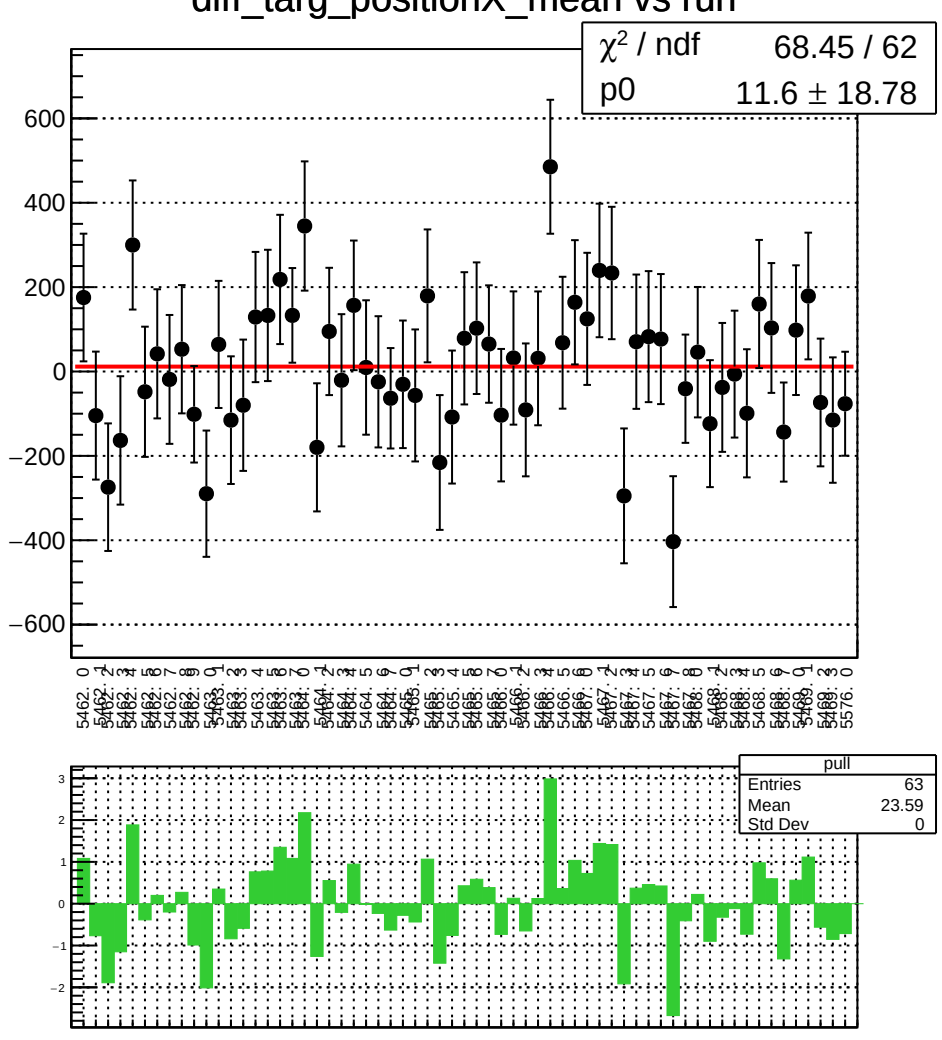

pull1D
Entries 63
Mean 0.01838
Std Dev 1.148

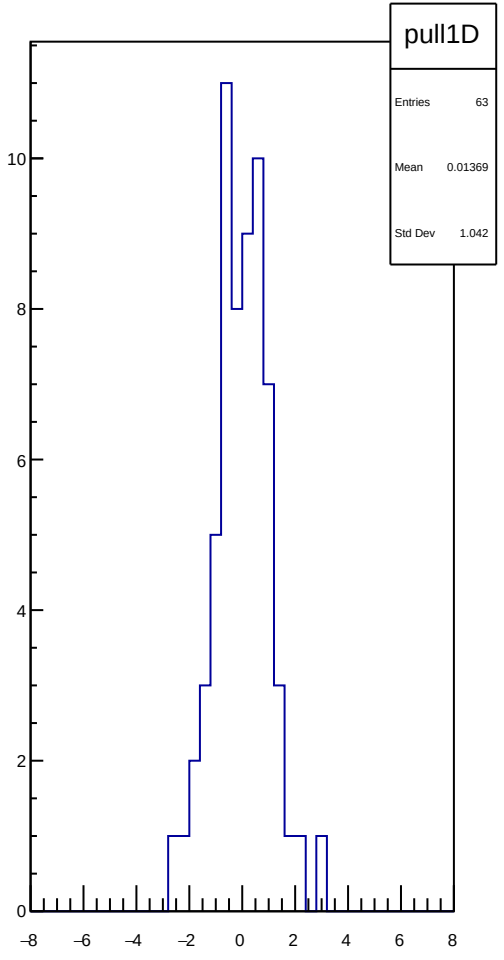

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 152.6 / 62
p0 972.1 ± 0.8835
1000
980
960
940
920
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

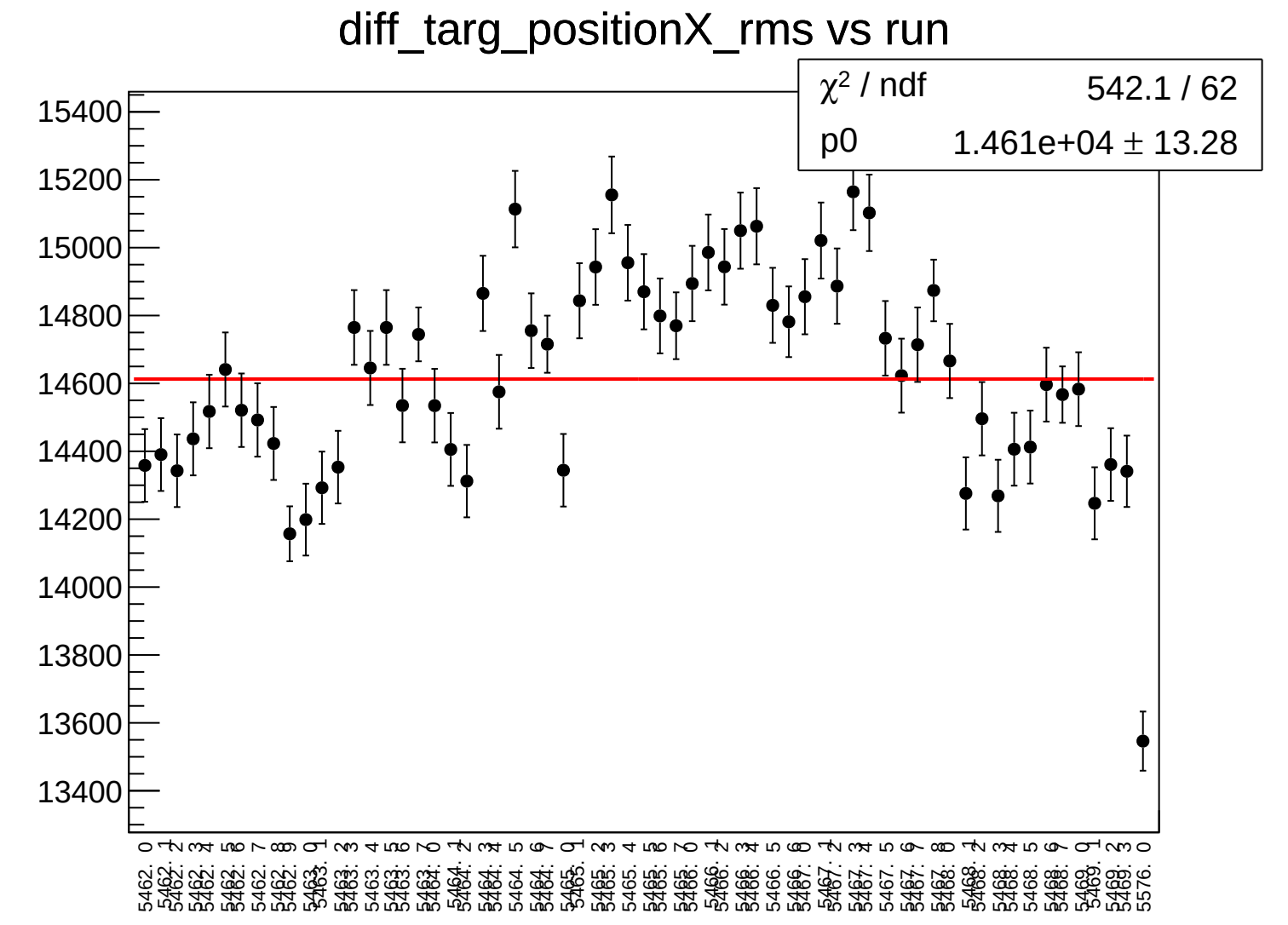

diff_dispE_bpm12X_mean vs run
χ² / ndf 77.15 / 62
p0 −0.004978 ± 0.009271
pull
Entries 63
Mean 3147
Std Dev 0

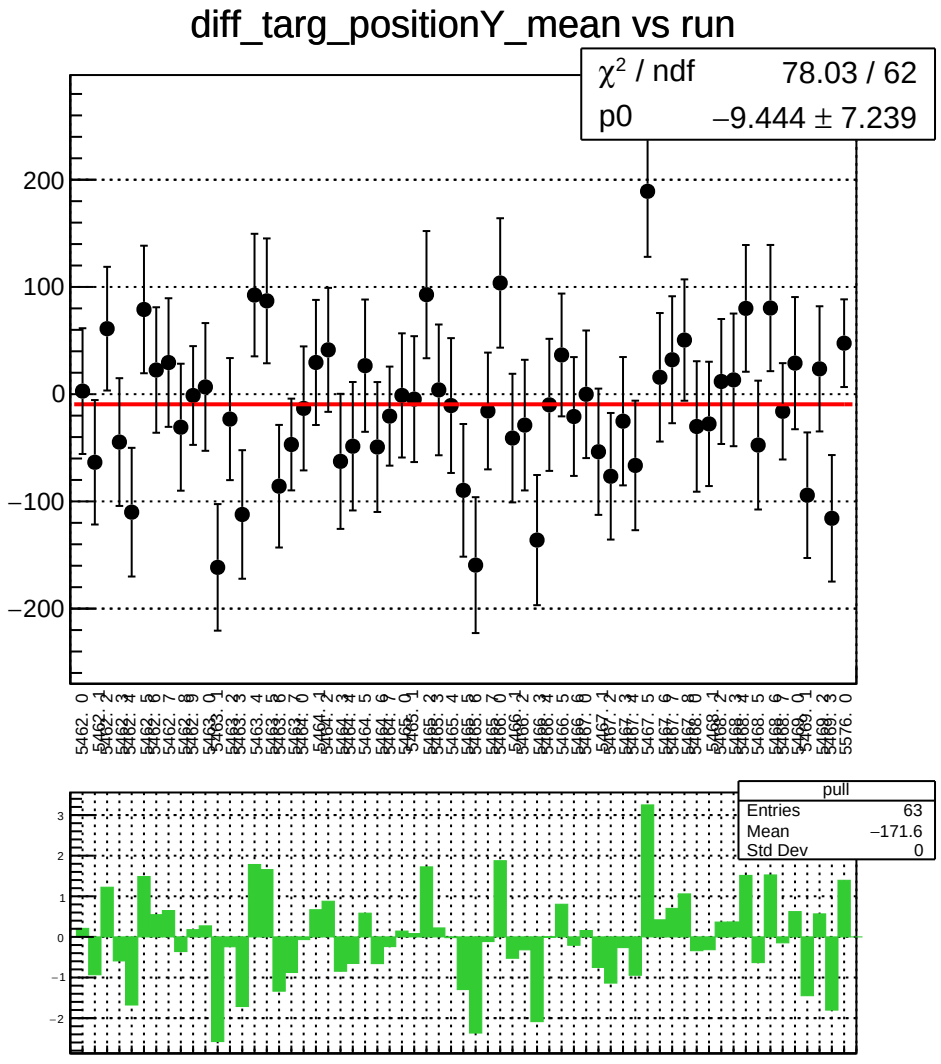

pull1D
Entries 63
Mean 0.0006905
Std Dev 1.107

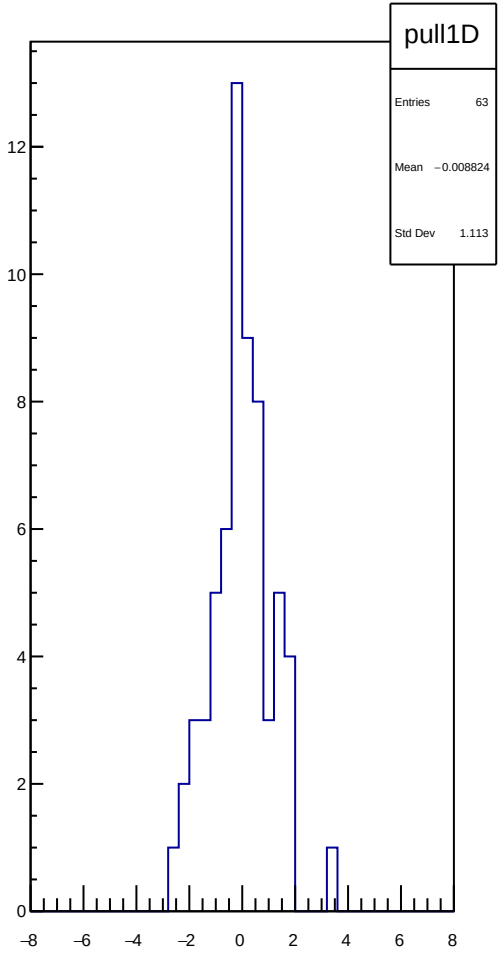

diff_dispE_bpm12X_rms vs run
χ² / ndf 6200 / 62
p0 7.195 ± 0.006555
8
7.5
7
6.5
6
5.5
5
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

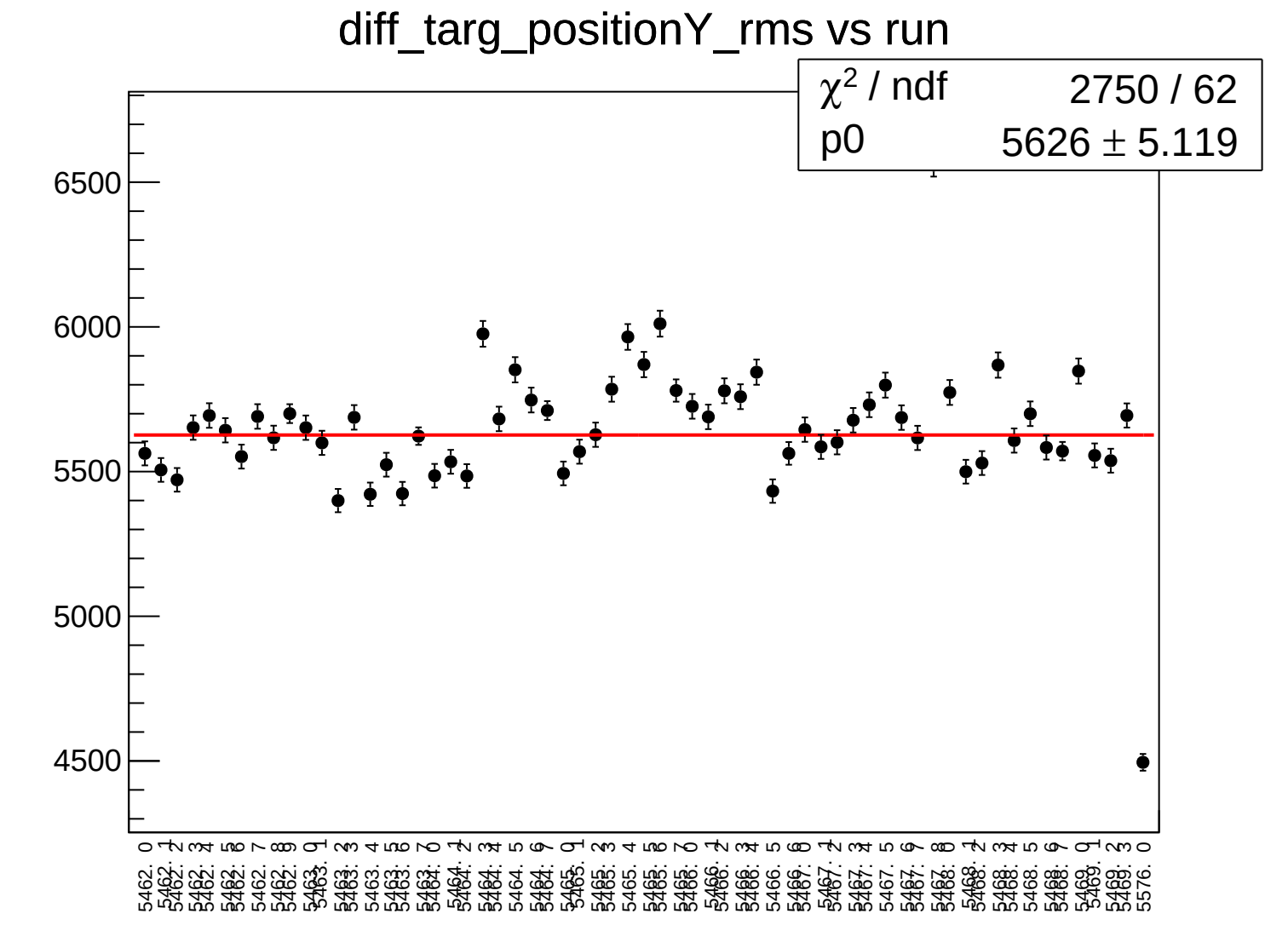

diff_targ_positionX_mean vs run
χ² / ndf 68.45 / 62
p0 11.6 ± 18.78
pull
Entries 63
Mean 23.59
Std Dev 0

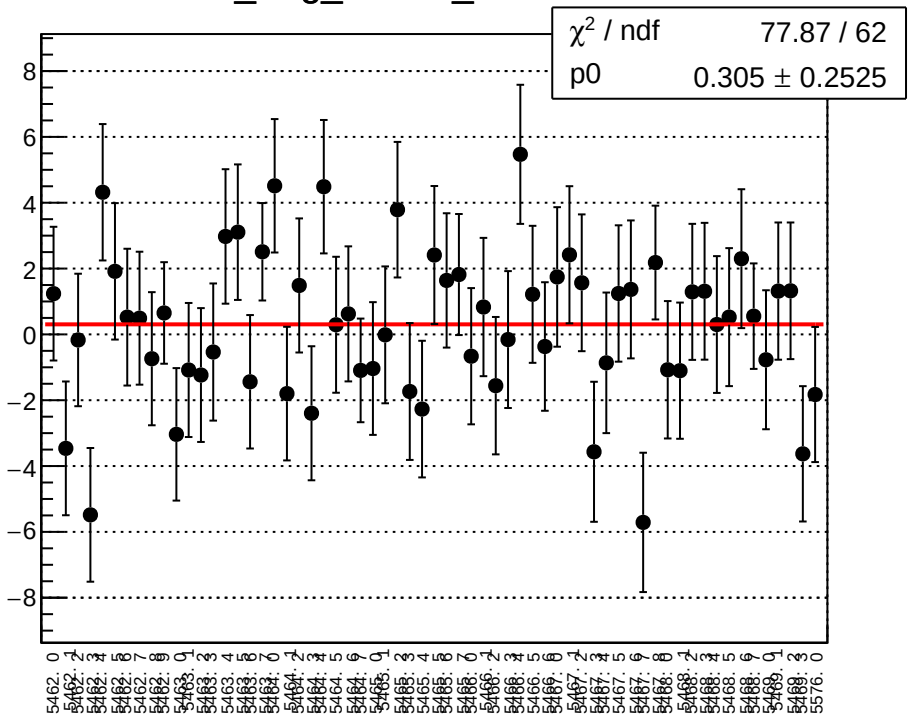

pull1D
Entries 63
Mean 0.01369
Std Dev 1.042

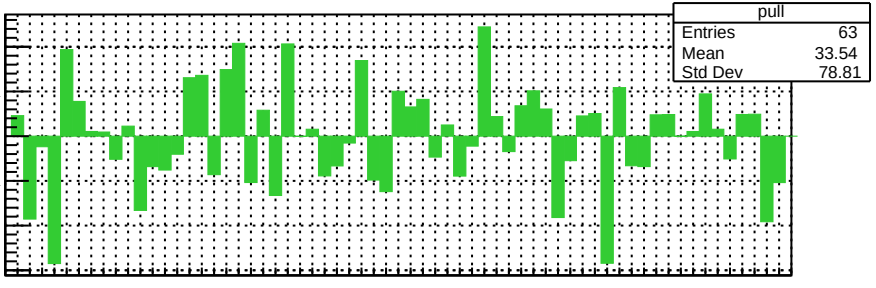

diff_targ_positionX_rms vs run
χ^2 / ndf 542.1 / 62
p0 1.461e+04 ± 13.28
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

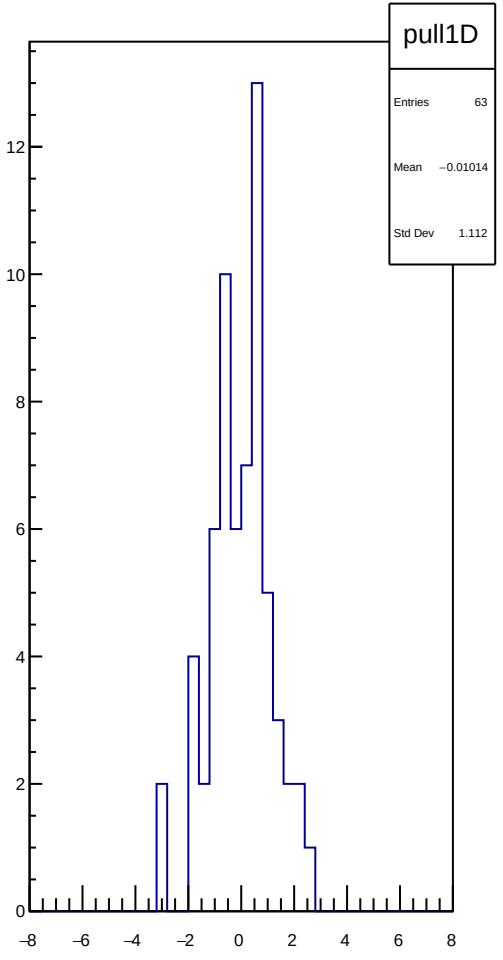

diff_targ_positionY_mean vs run
χ² / ndf 78.03 / 62
p0 −9.444 ± 7.239
200
100
0
−100
−200
pull
Entries 63
Mean −171.6
Std Dev 0
3
2
1
0
−1
−2

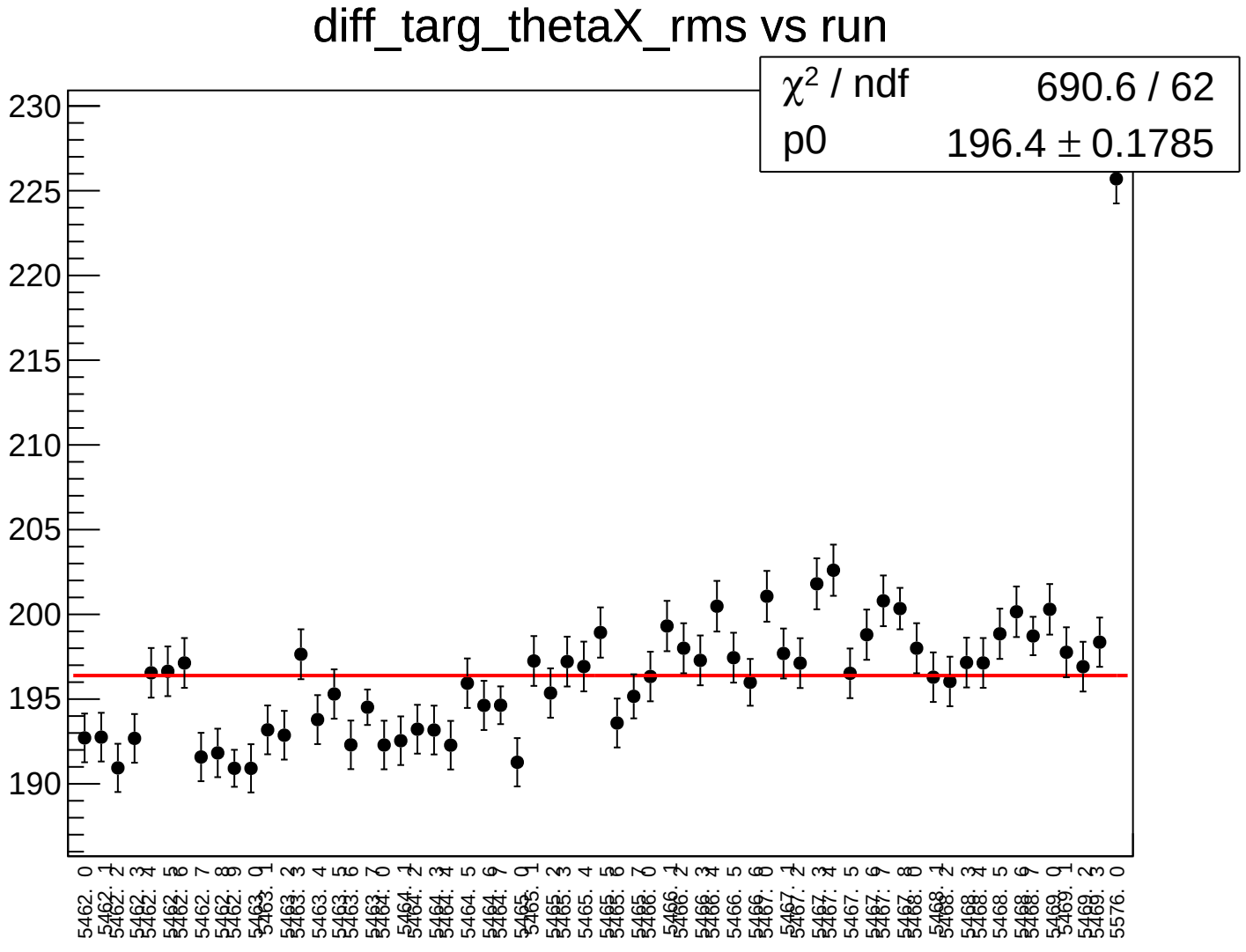

pull1D
Entries 63
Mean −0.008824
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

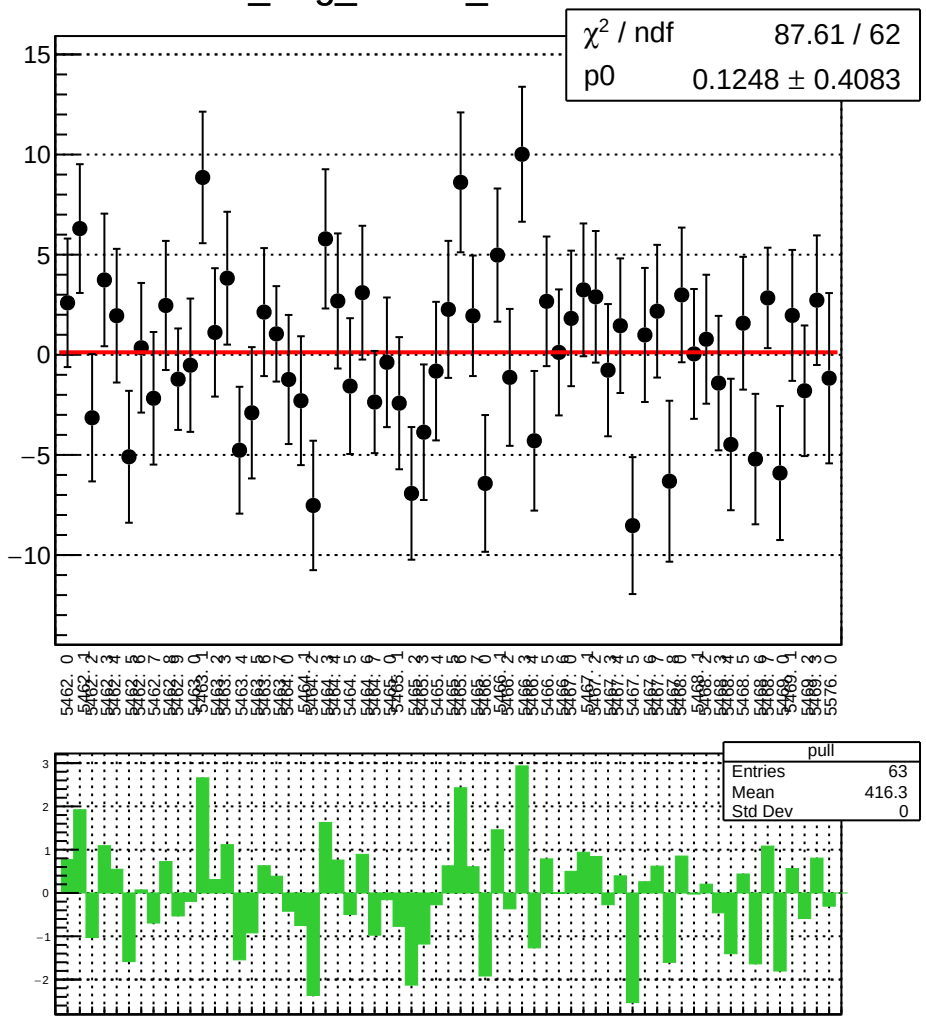

diff_targ_positionY_rms vs run
χ² / ndf 2750 / 62
p0 5626 ± 5.119
6500
6000
5500
5000
4500

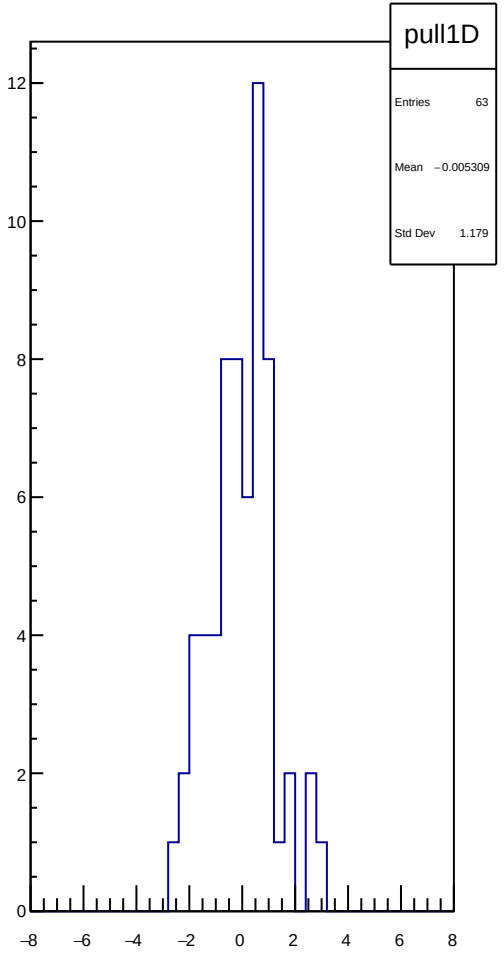

diff_targ_thetaX_mean vs run
χ² / ndf 77.87 / 62
p0 0.305 ± 0.2525

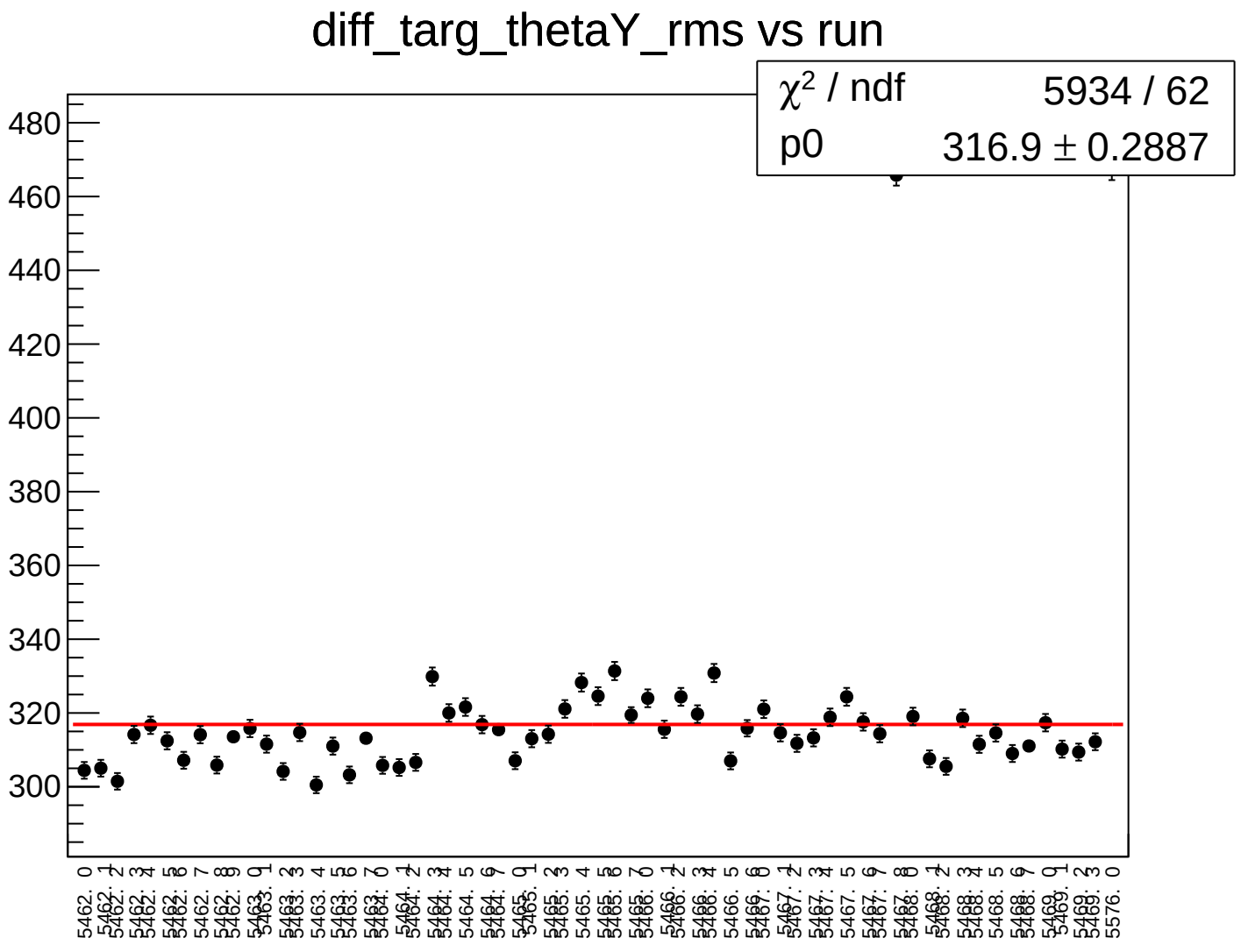

pull
Entries 63
Mean 33.54
Std Dev 78.81

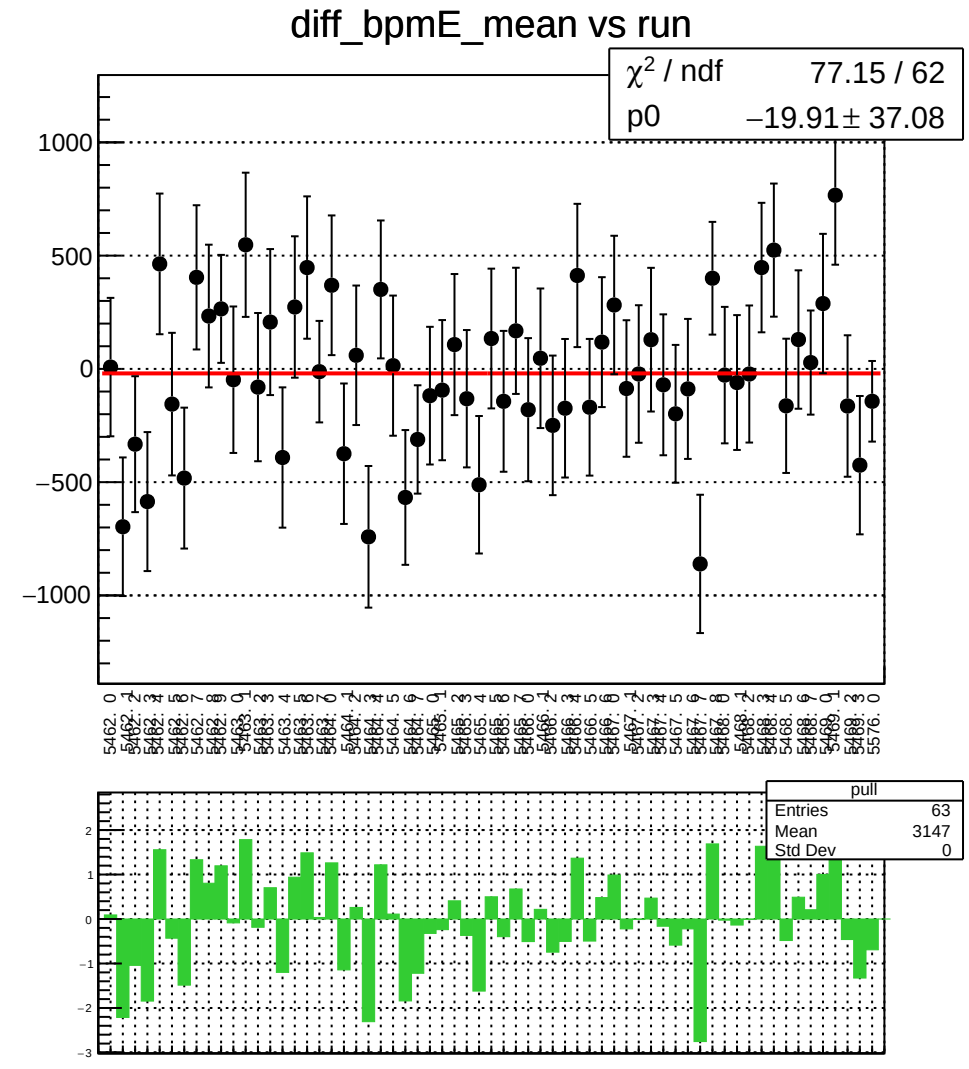

pull1D
Entries 63
Mean −0.01014
Std Dev 1.112

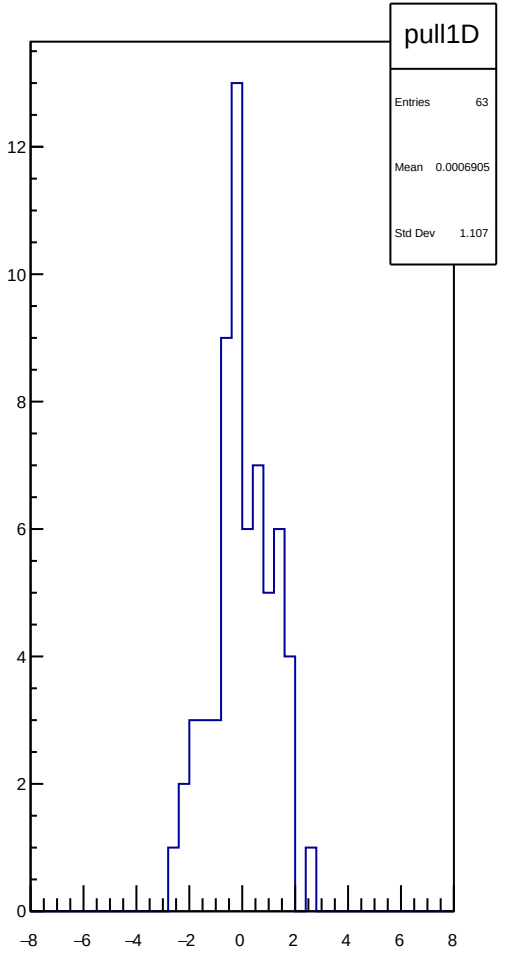

diff_targ_thetaX_rms vs run
χ² / ndf 690.6 / 62
p0 196.4 ± 0.1785
230
225
220
215
210
205
200
195
190

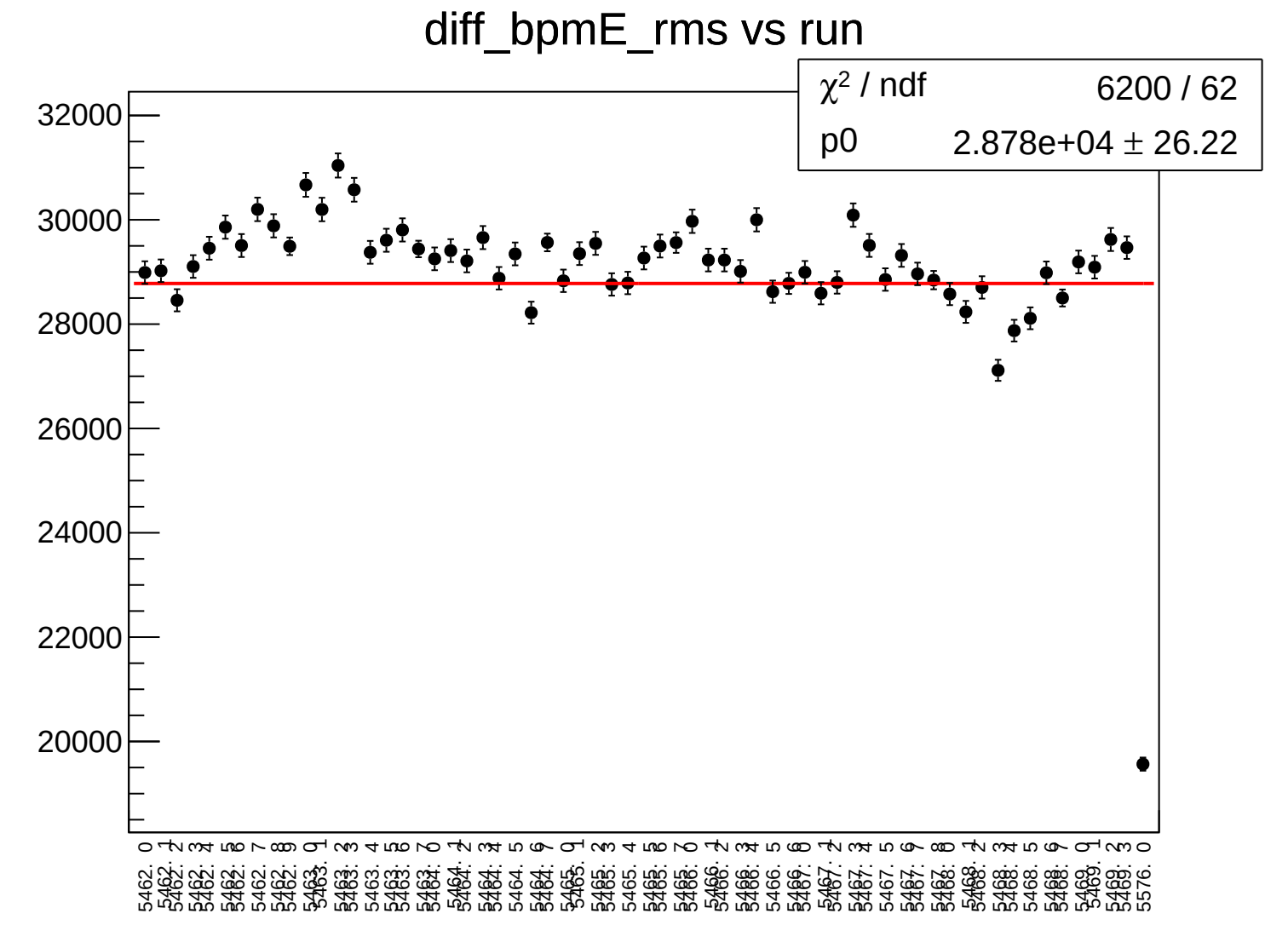

diff_targ_thetaY_mean vs run
χ² / ndf 87.61 / 62
p0 0.1248 ± 0.4083
pull
Entries 63
Mean 416.3
Std Dev 0

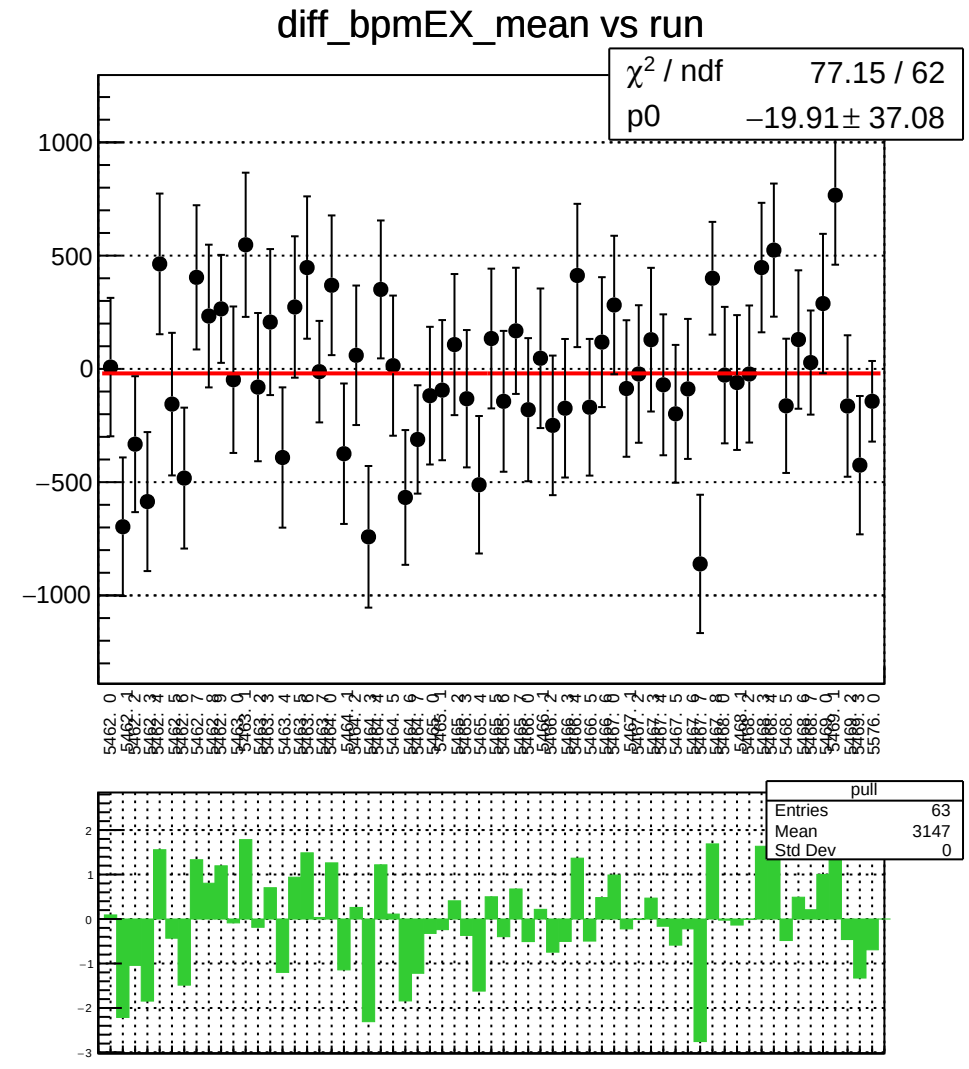

pull1D
Entries 63
Mean −0.005309
Std Dev 1.179

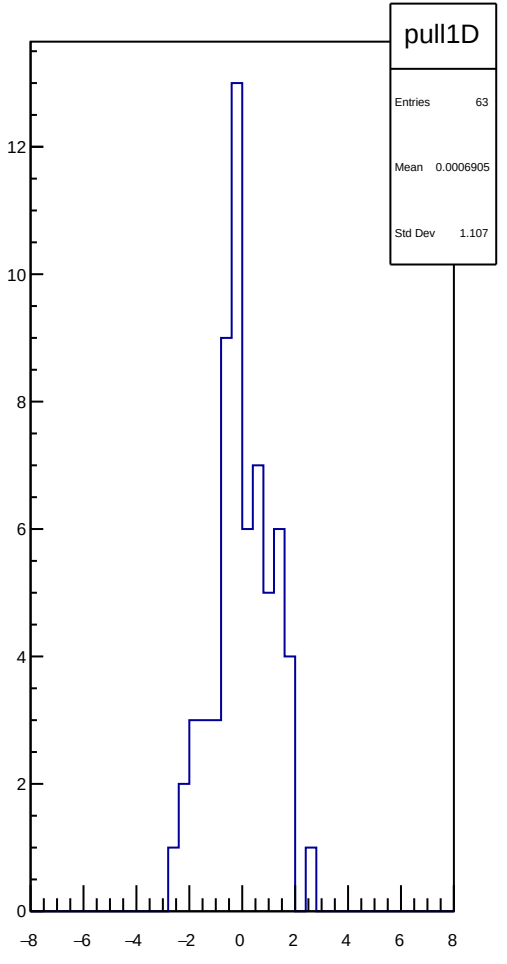

diff_targ_thetaY_rms vs run
χ² / ndf 5934 / 62
p0 316.9 ± 0.2887
480
460
440
420
400
380
360
340
320
300
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

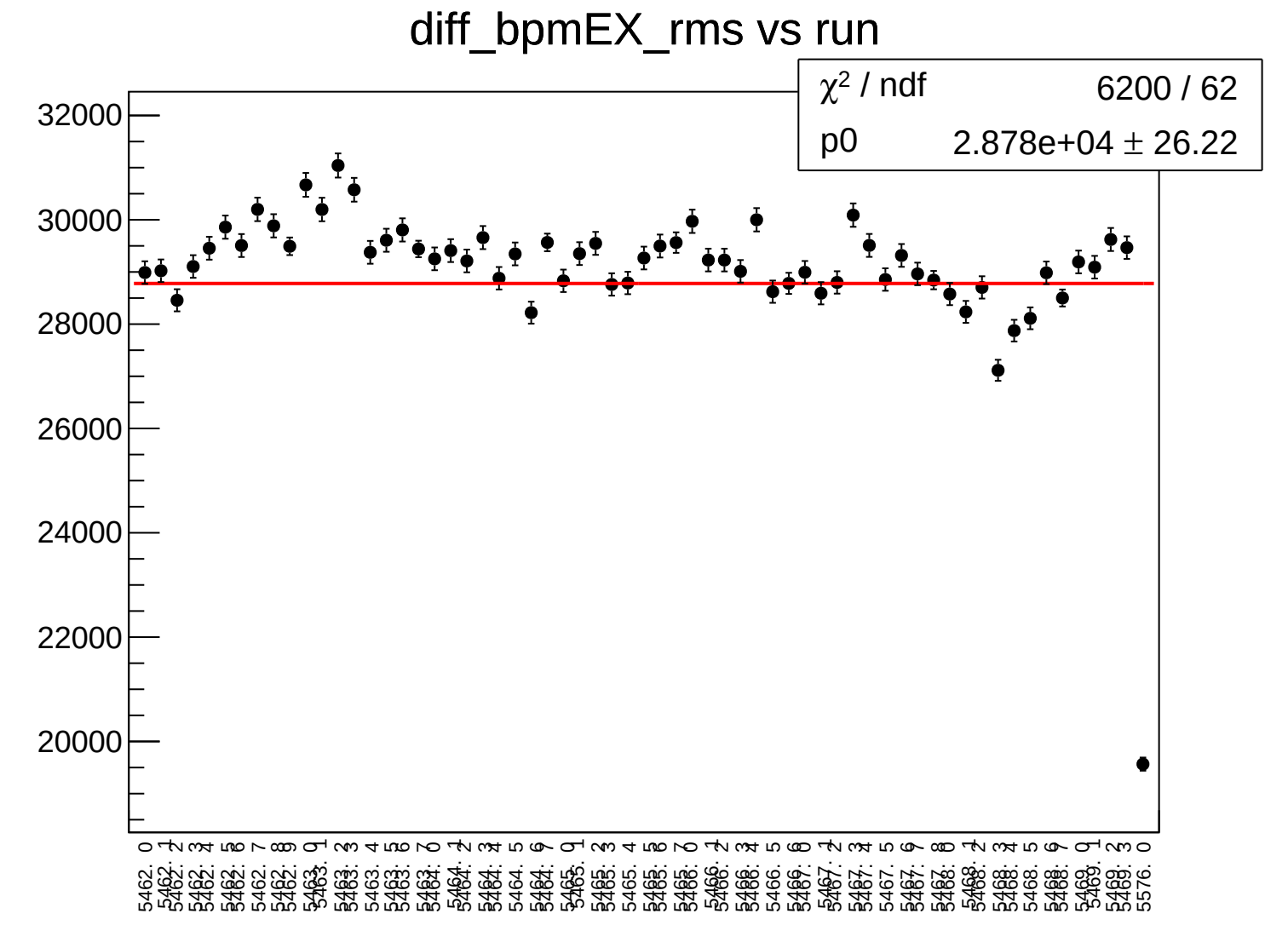

diff_bpmE_mean vs run
χ² / ndf 77.15 / 62
p0 −19.91± 37.08
1000
500
0
−500
−1000
pull
Entries 63
Mean 3147
Std Dev 0
2
1
0
−1
−2
−3

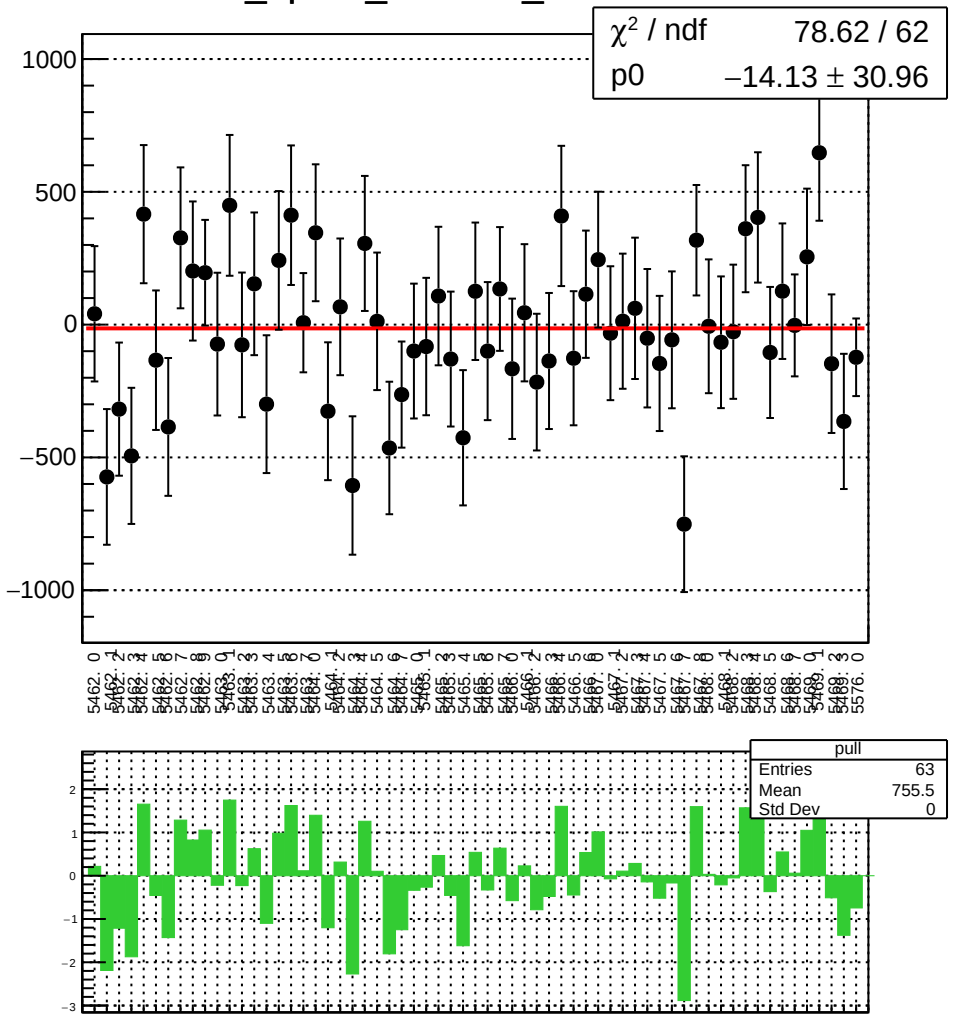

pull1D
Entries 63
Mean 0.0006905
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

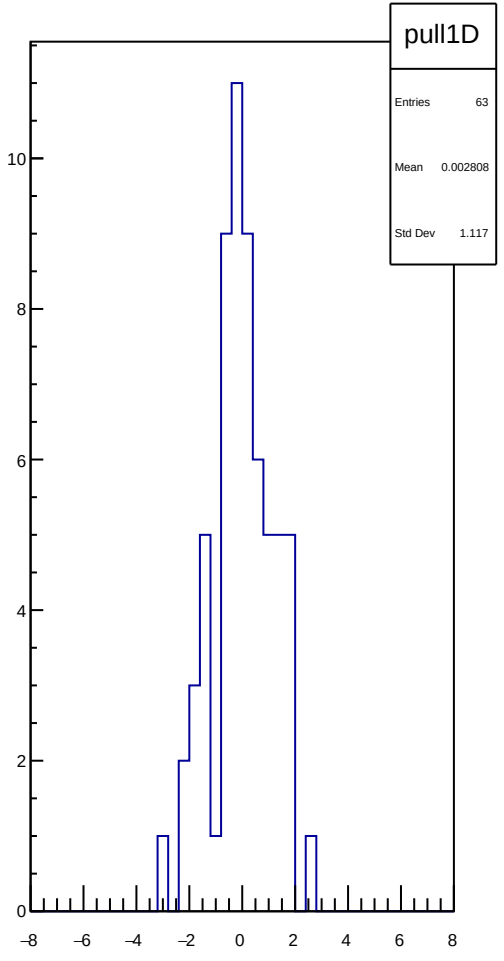

diff_bpmE_rms vs run
χ^2 / ndf 6200 / 62
p0 2.878e+04 ± 26.22
32000
30000
28000
26000
24000
22000
20000

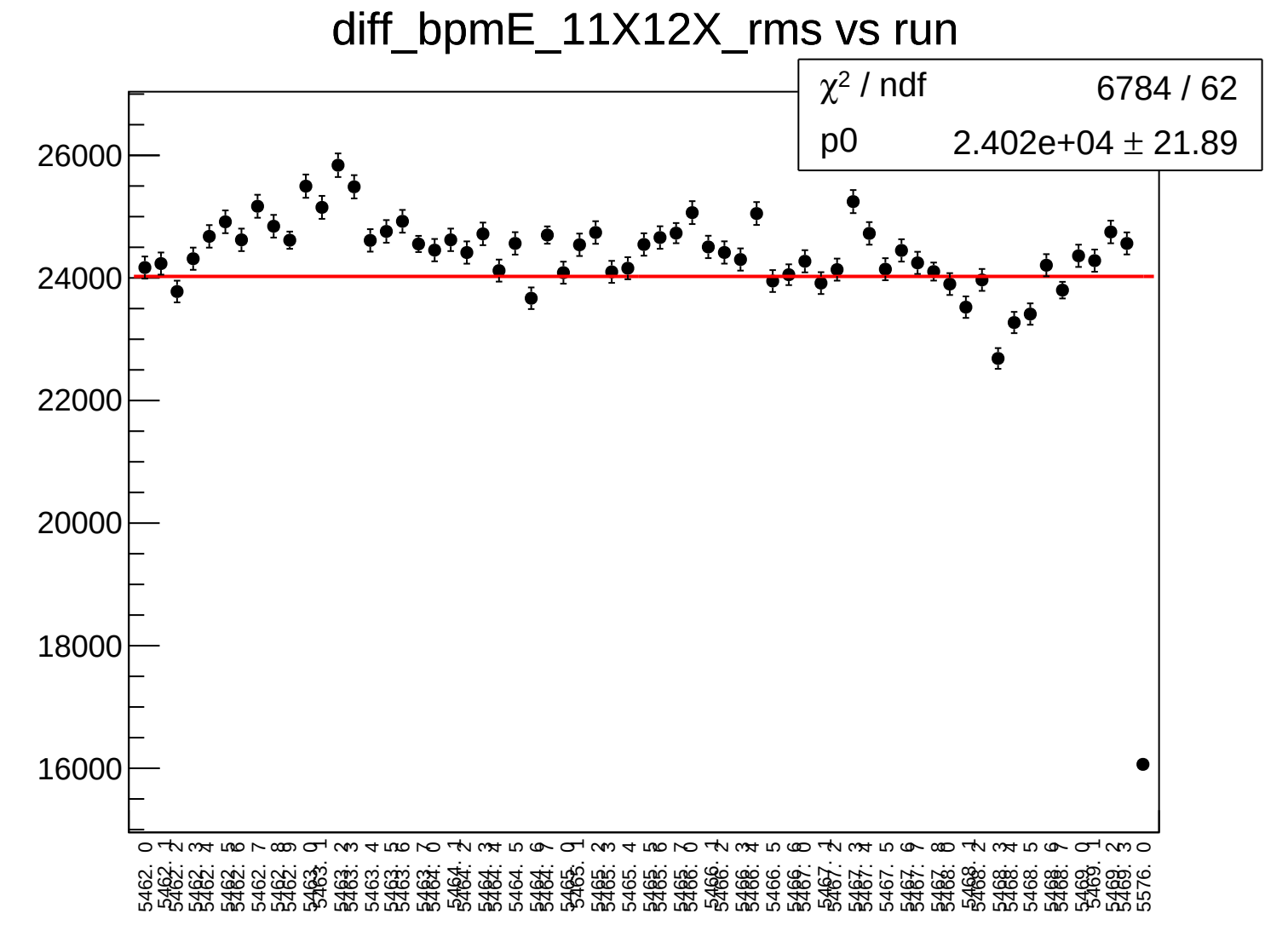

diff_bpmEX_mean vs run
χ² / ndf 77.15 / 62
p0 −19.91± 37.08
1000
500
0
−500
−1000
pull
Entries 63
Mean 3147
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 63
Mean 0.0006905
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmEX_rms vs run
χ² / ndf 6200 / 62
p0 2.878e+04 ± 26.22
32000
30000
28000
26000
24000
22000
20000


diff_bpmE_11X12X_mean vs run
χ² / ndf 78.62 / 62
p0 −14.13 ± 30.96
1000
500
0
−500
−1000
pull
Entries 63
Mean 755.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 63
Mean 0.002808
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmE_11X12X_rms vs run
χ² / ndf 6784 / 62
p0 2.402e+04 ± 21.89
26000
24000
22000
20000
18000
16000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
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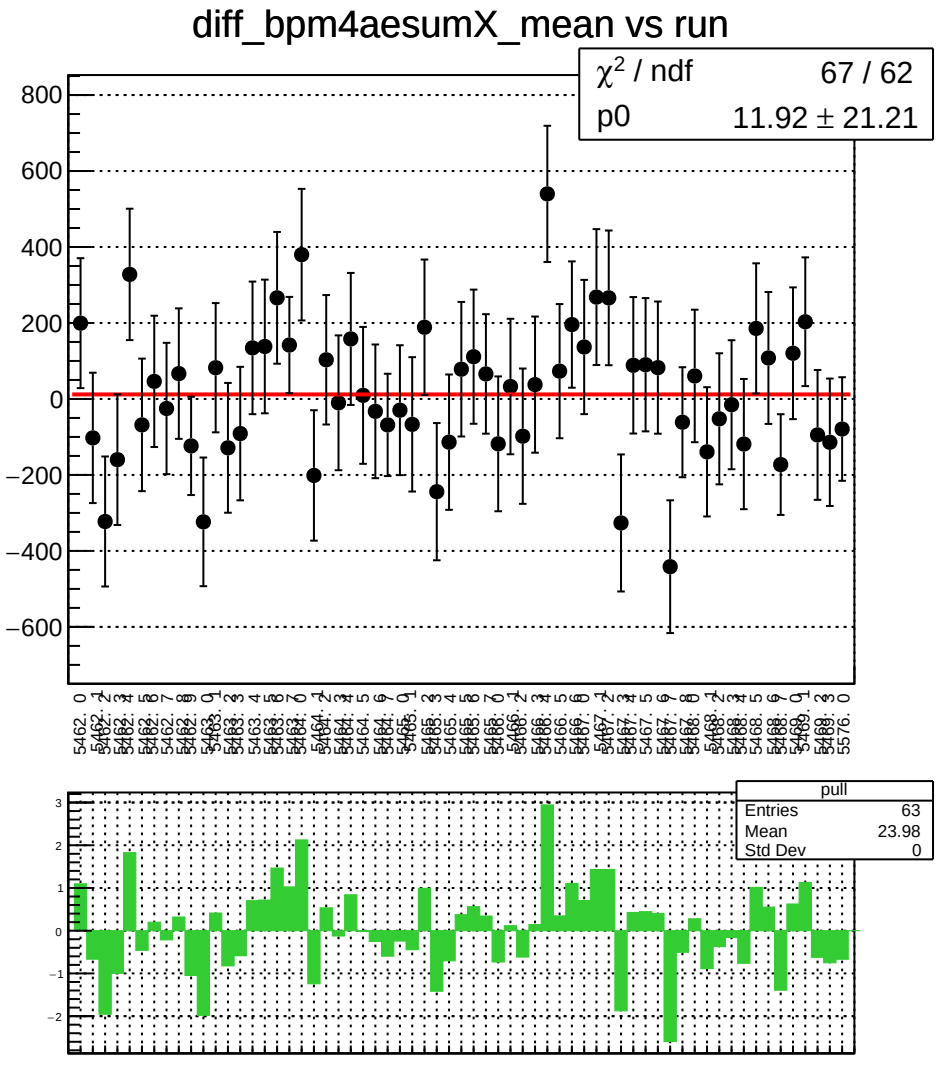
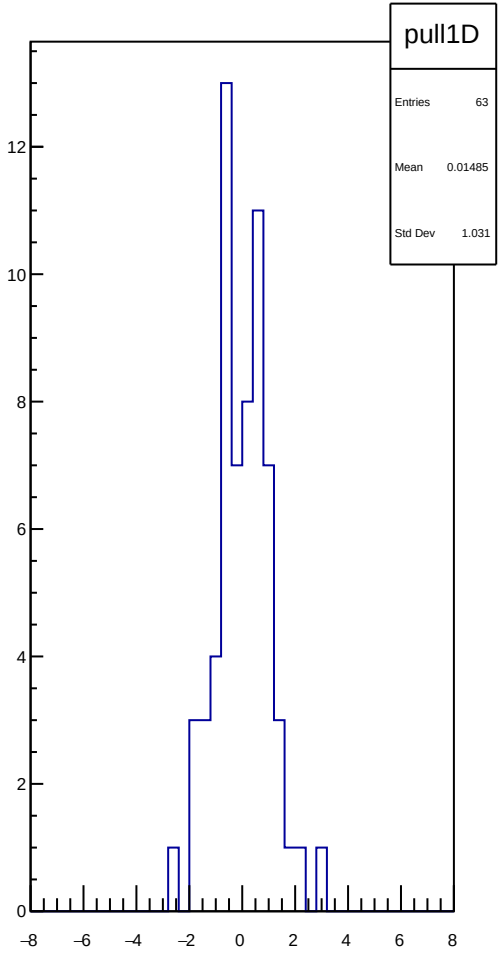
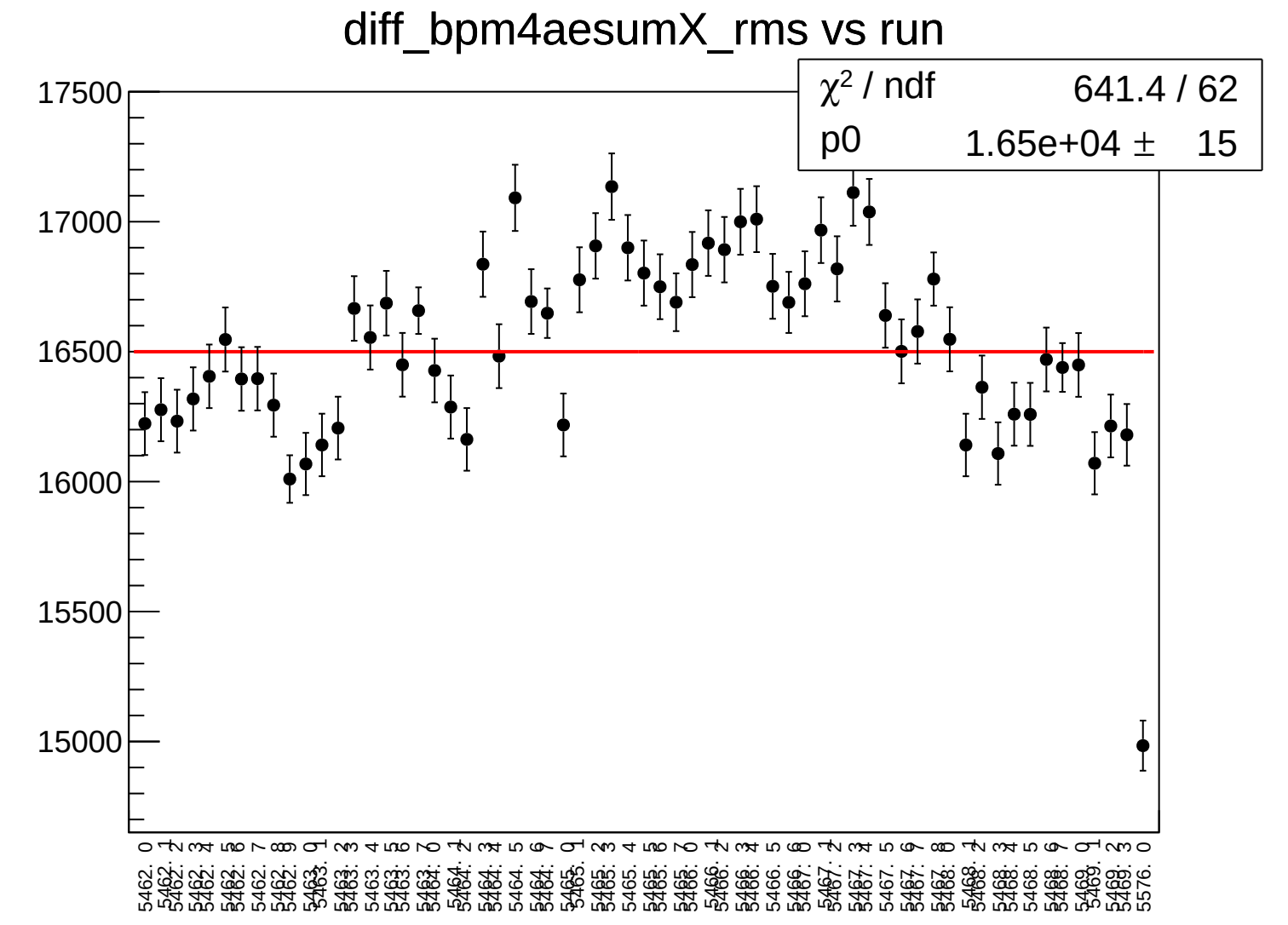
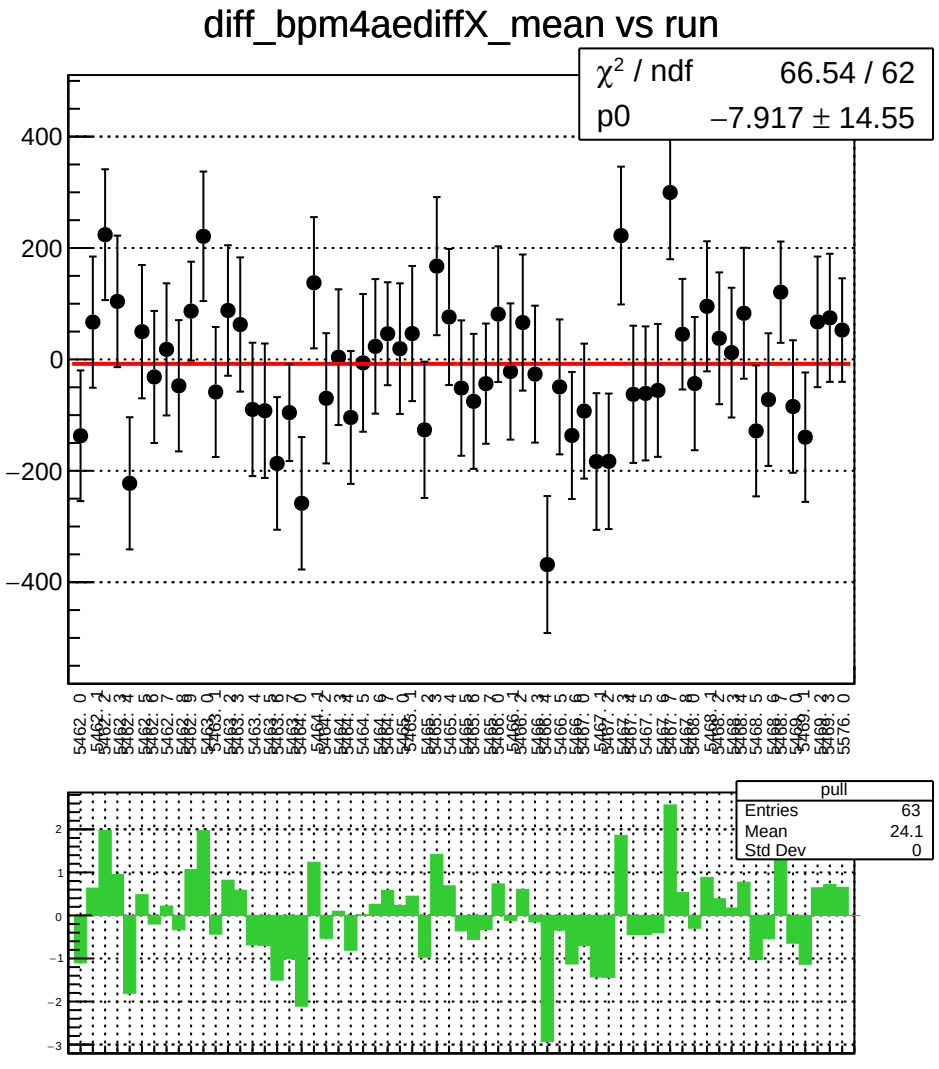
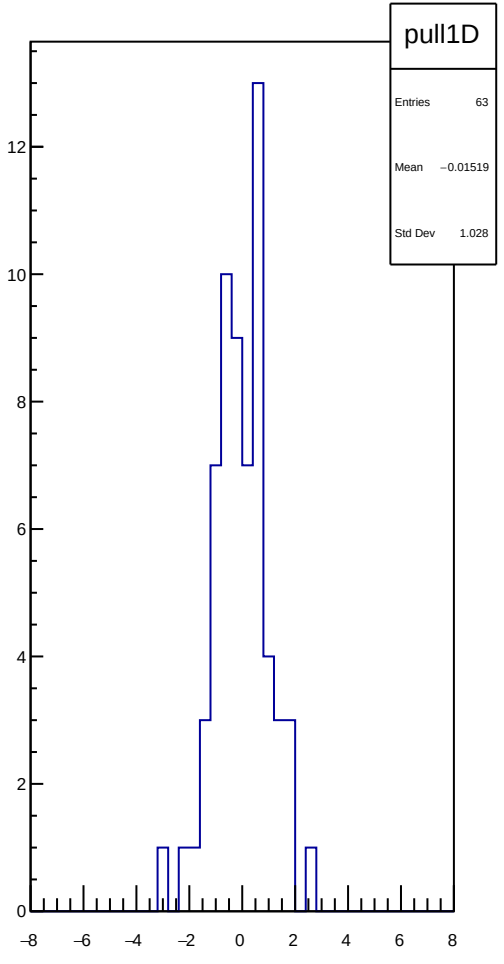
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

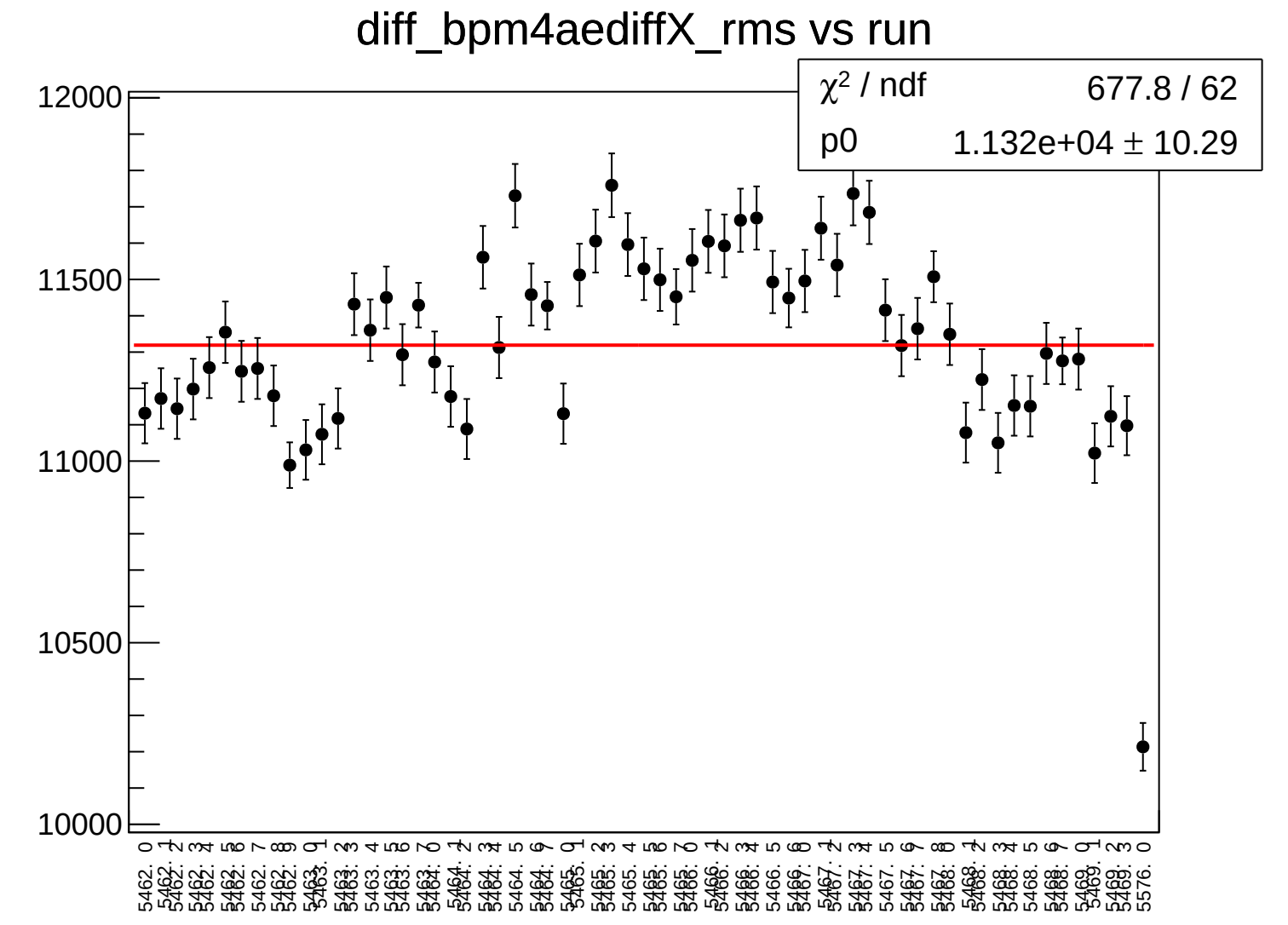

diff_bpm4aesumX_mean vs run
χ^2 / ndf 67 / 62
p0 11.92 ± 21.21
pull
Entries 63
Mean 23.98
Std Dev 0

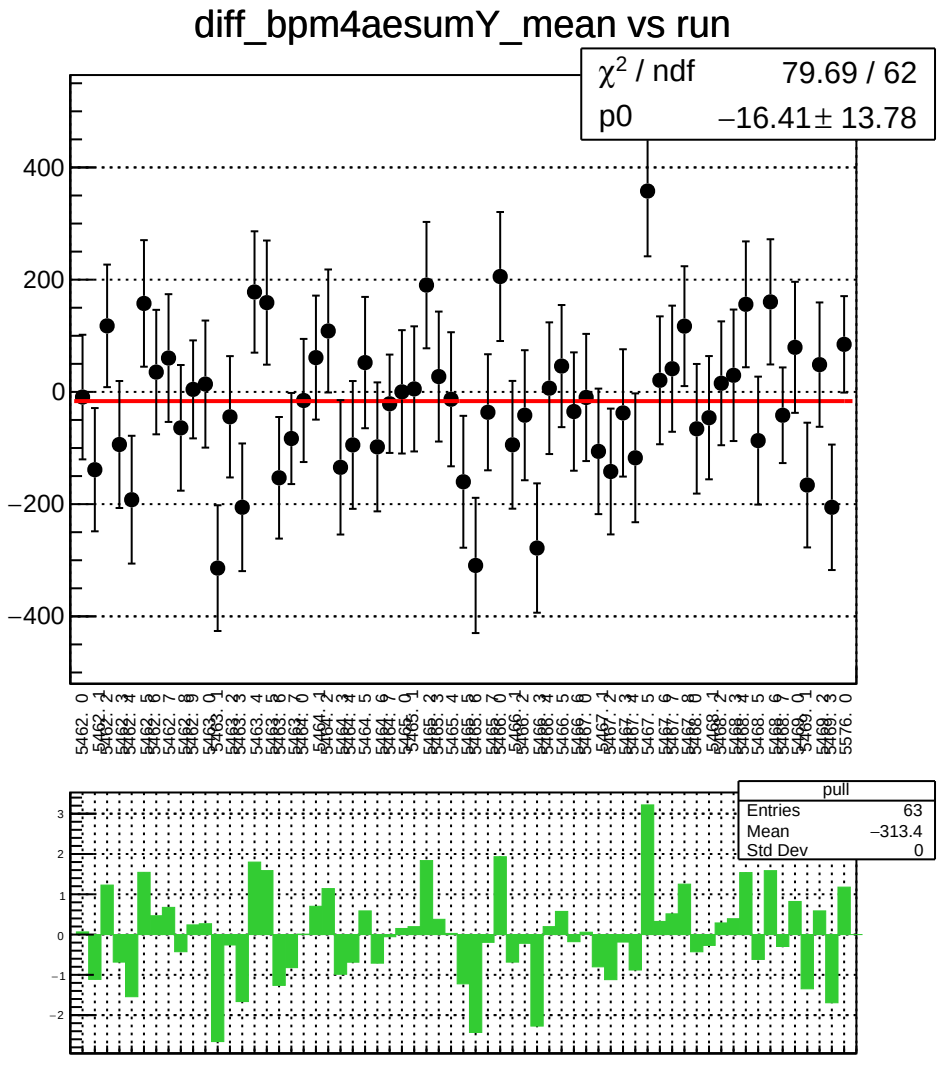

pull1D
Entries 63
Mean 0.01485
Std Dev 1.031

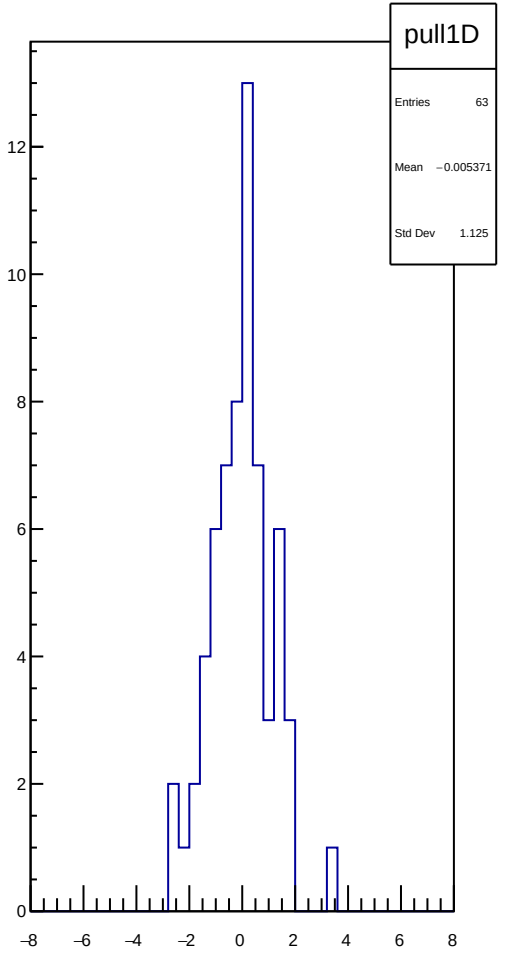

diff_bpm4aesumX_rms vs run
χ² / ndf 641.4 / 62
p0 1.65e+04 ± 15
17500
17000
16500
16000
15500
15000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

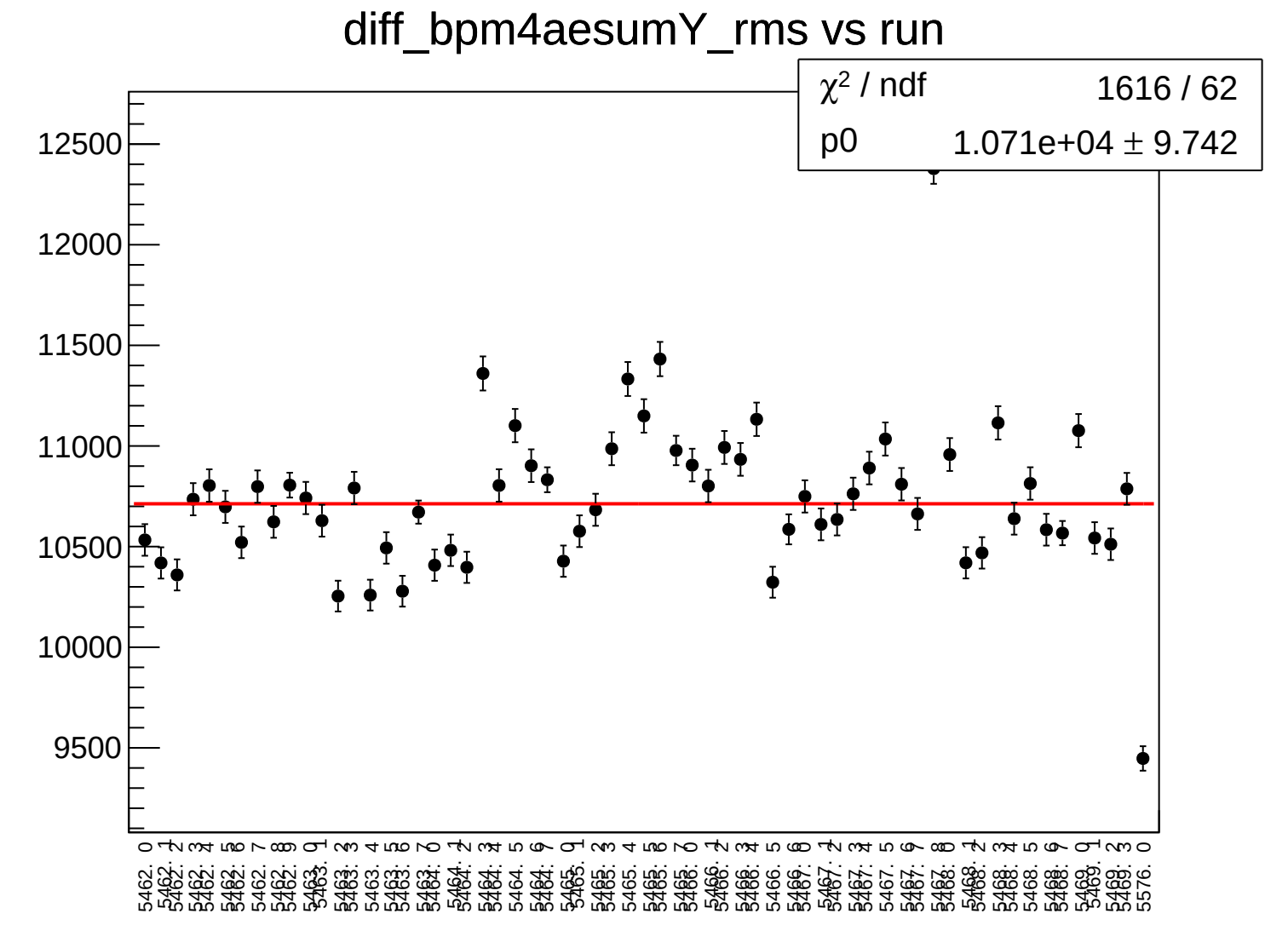

diff_bpm4aediffX_mean vs run
χ² / ndf 66.54 / 62
p0 −7.917 ± 14.55
400
200
0
−200
−400
pull
Entries 63
Mean 24.1
Std Dev 0
2
1
0
−1
−2
−3

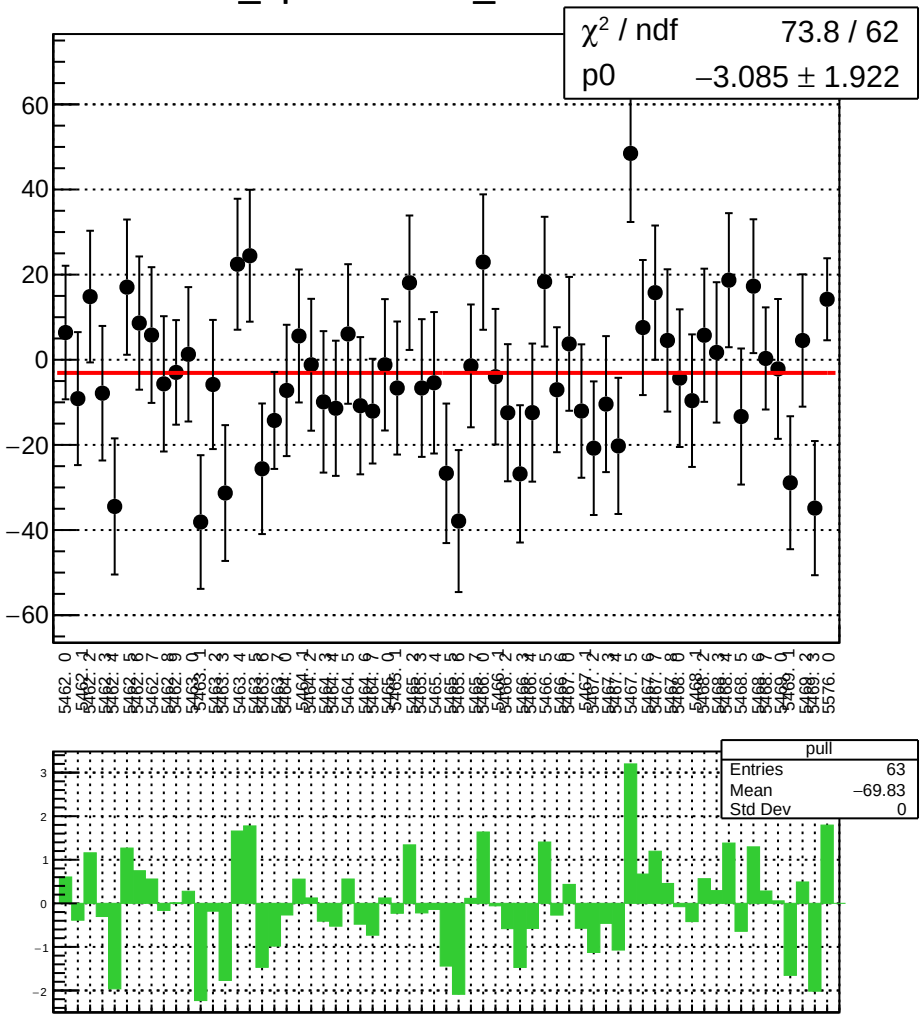

pull1D
Entries 63
Mean −0.01519
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

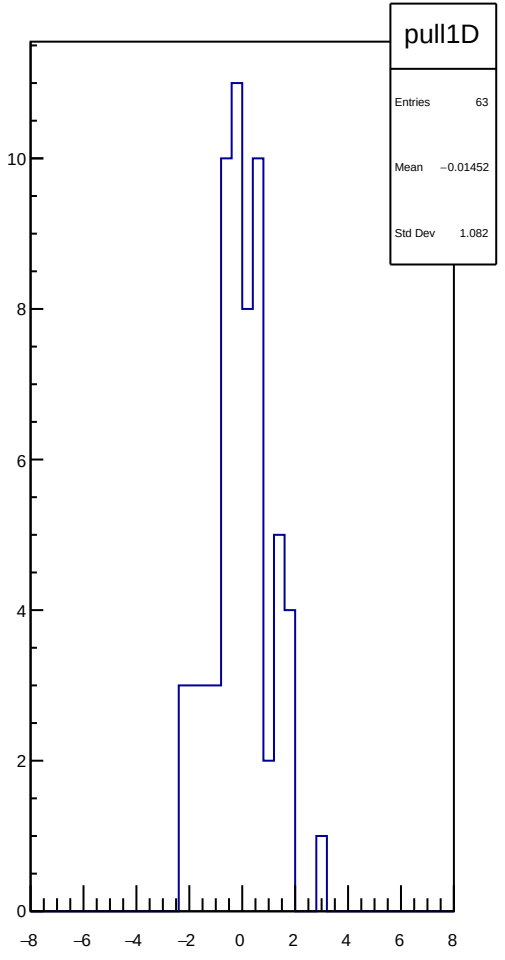

diff_bpm4aediffX_rms vs run
χ² / ndf 677.8 / 62
p0 1.132e+04 ± 10.29
12000
11500
11000
10500
10000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

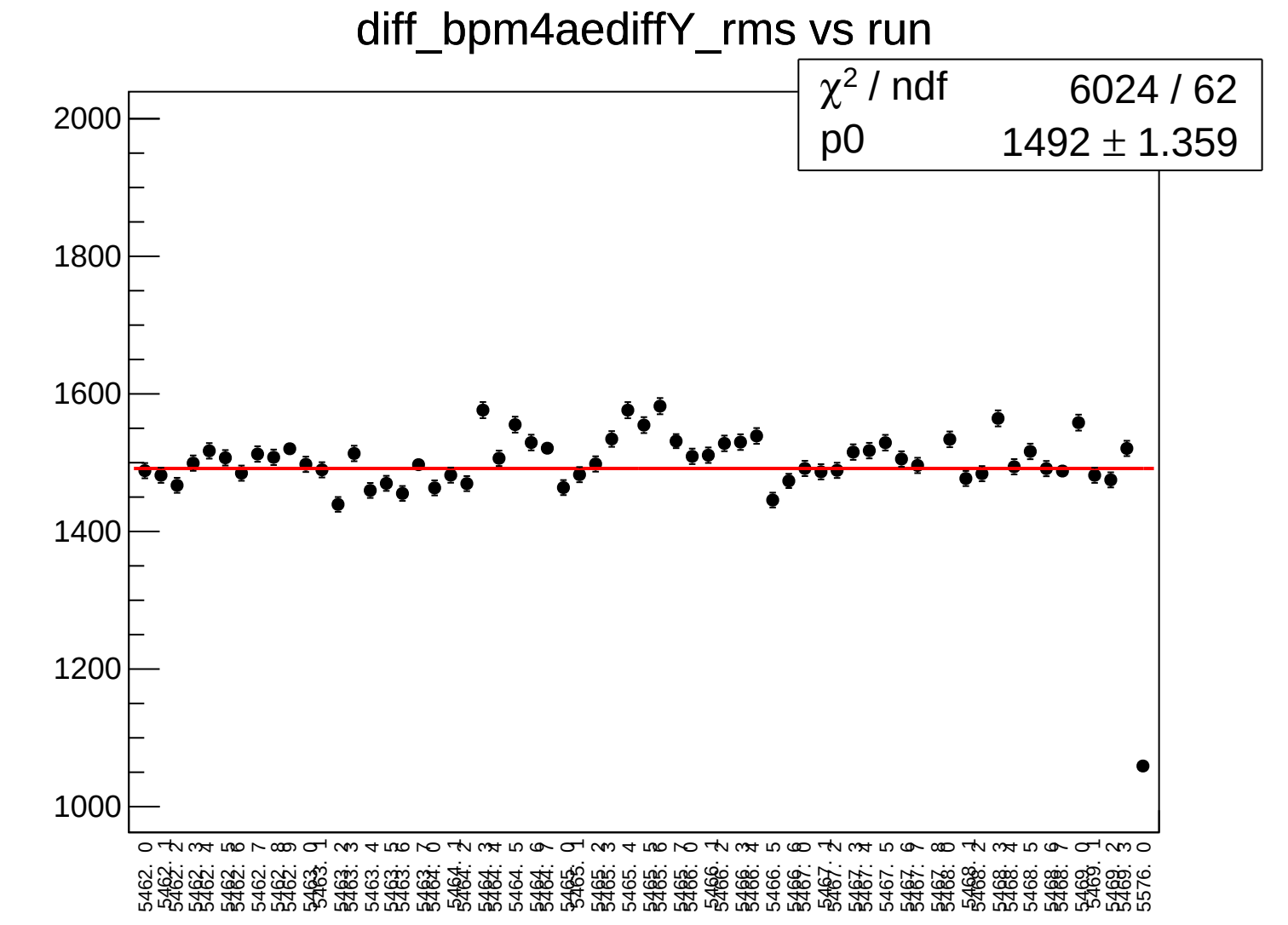

diff_bpm4aesumY_mean vs run
χ² / ndf 79.69 / 62
p0 −16.41 ± 13.78
400
200
0
−200
−400
pull
Entries 63
Mean −313.4
Std Dev 0
3
2
1
0
−1
−2

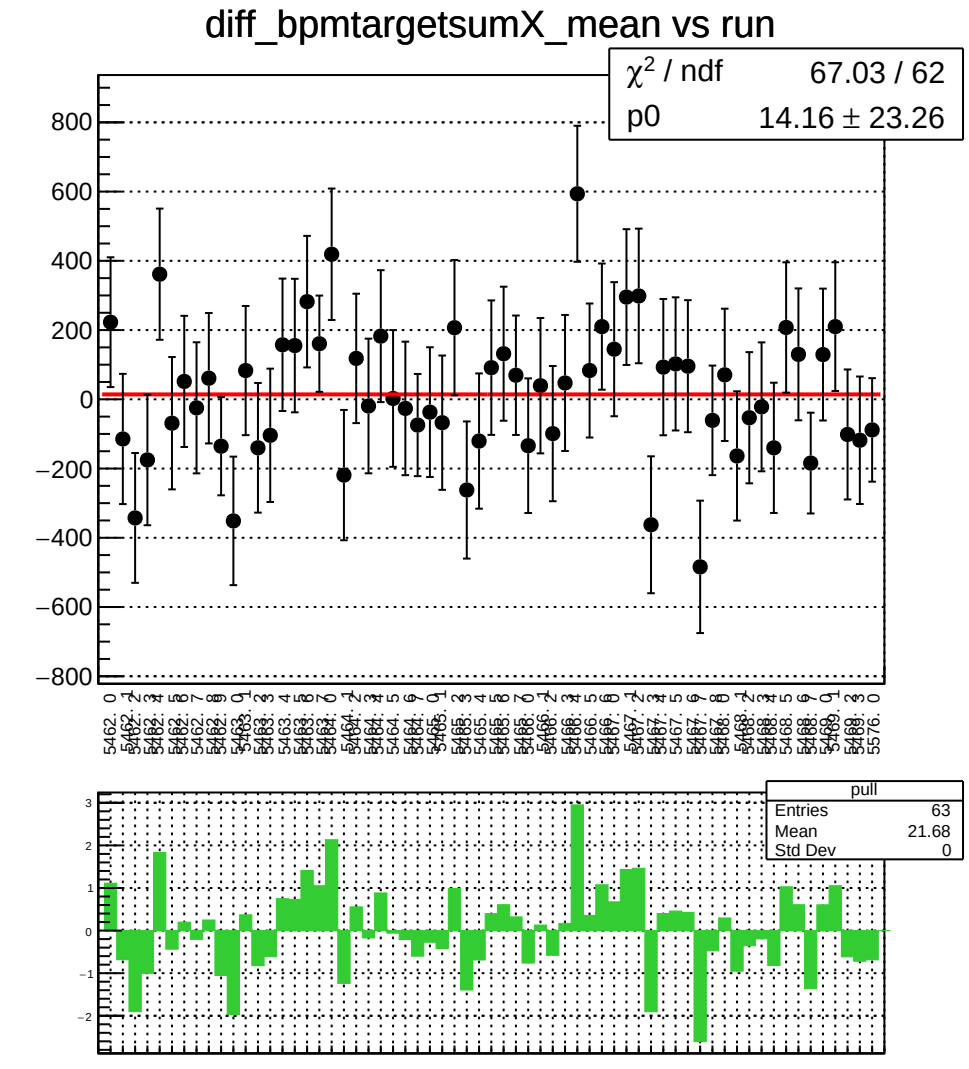

pull1D
Entries 63
Mean −0.005371
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

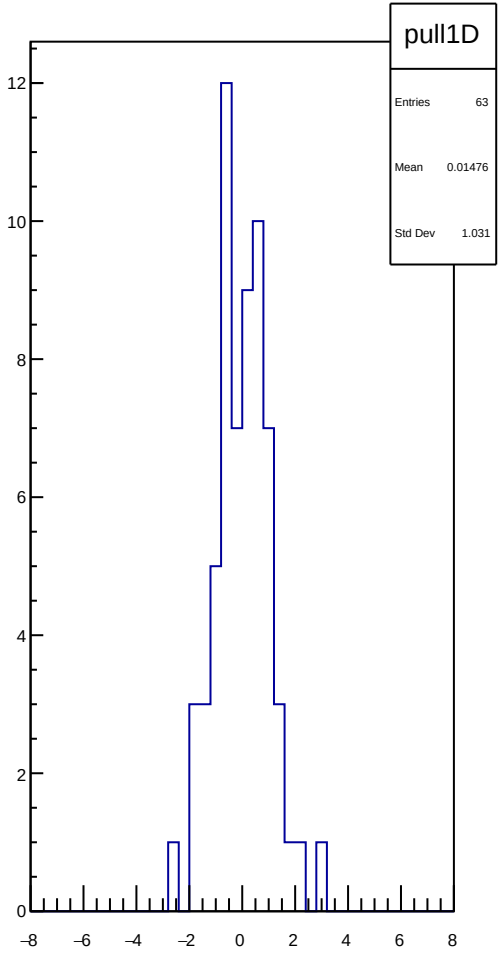

diff_bpm4aesumY_rms vs run
χ² / ndf 1616 / 62
p0 1.071e+04 ± 9.742
12500
12000
11500
11000
10500
10000
9500

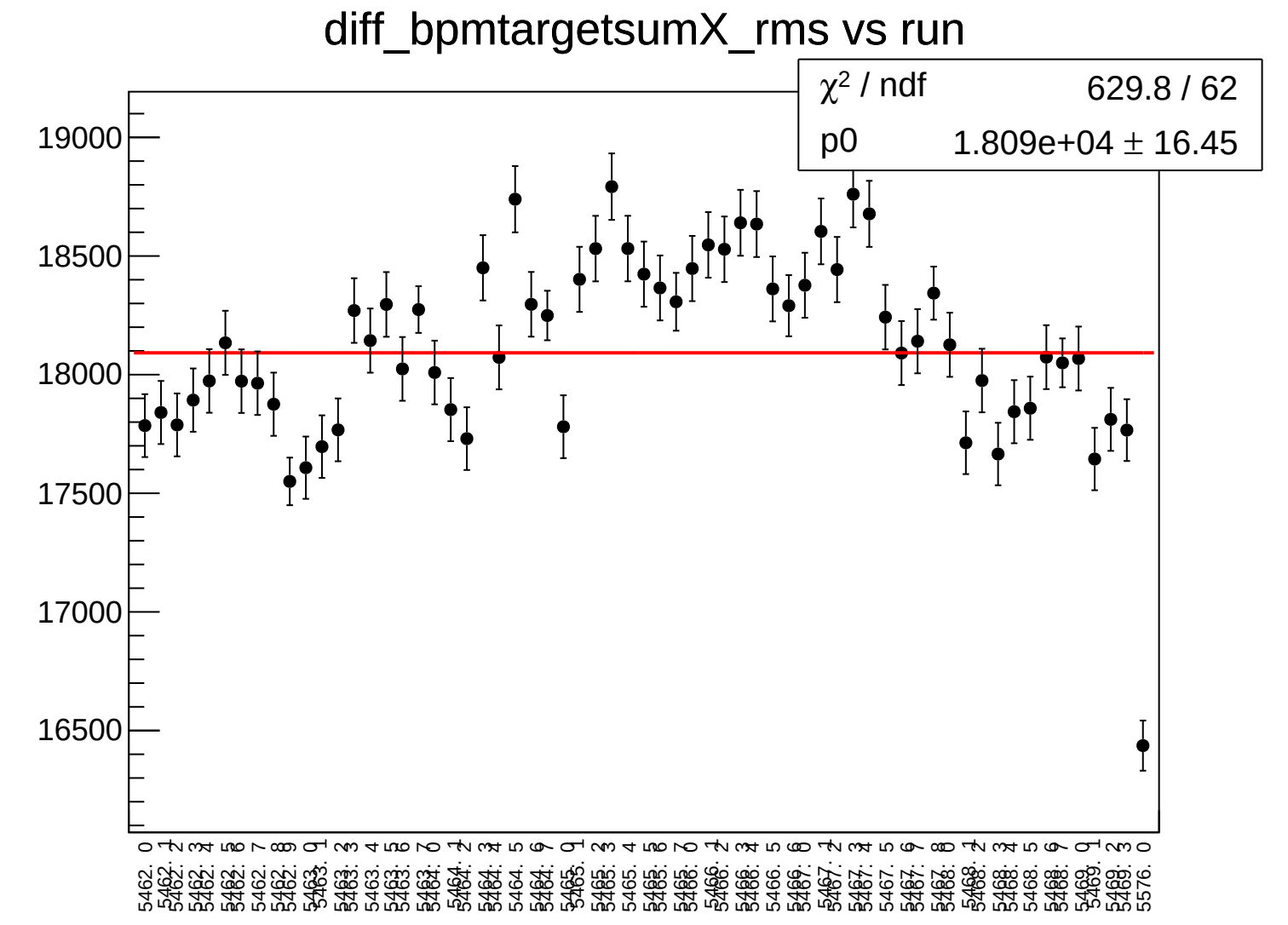

diff_bpm4aediffY_mean vs run
χ² / ndf 73.8 / 62
p0 −3.085 ± 1.922
pull
Entries 63
Mean −69.83
Std Dev 0

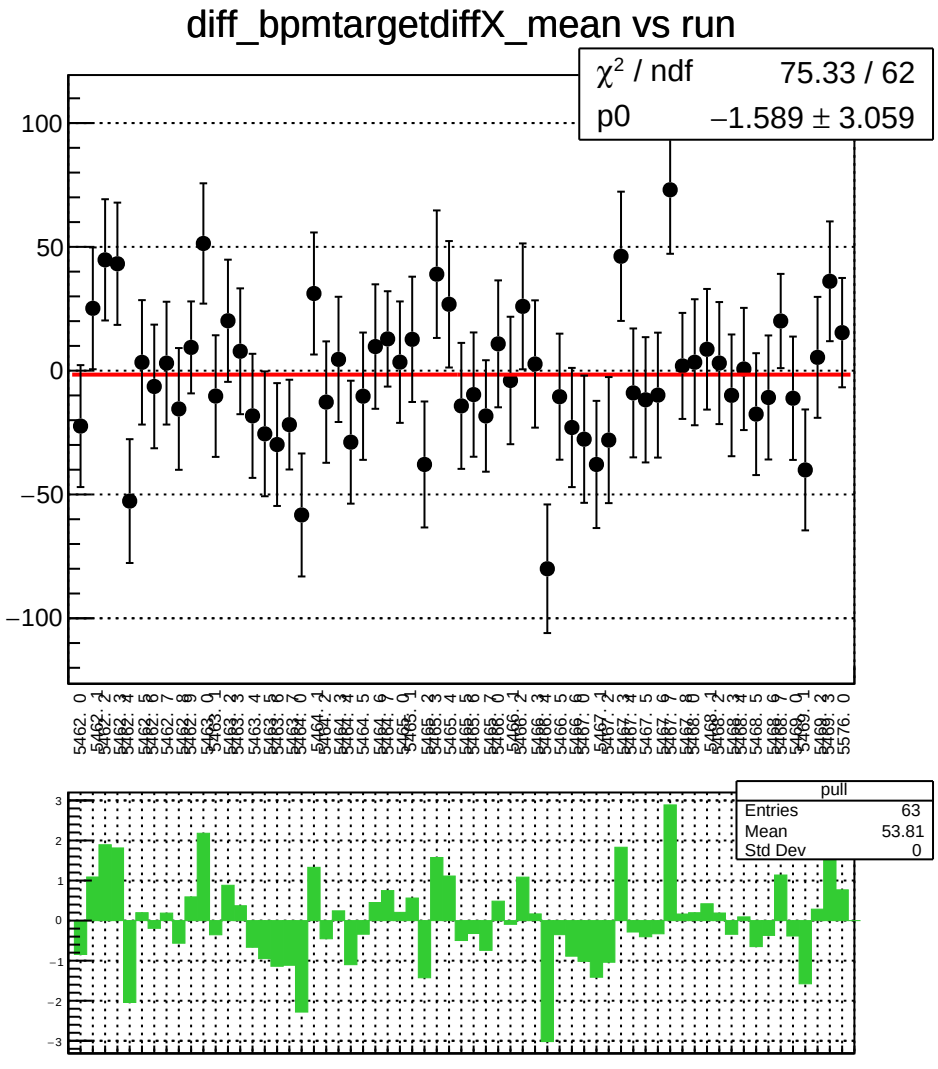

pull1D
Entries 63
Mean −0.01452
Std Dev 1.082

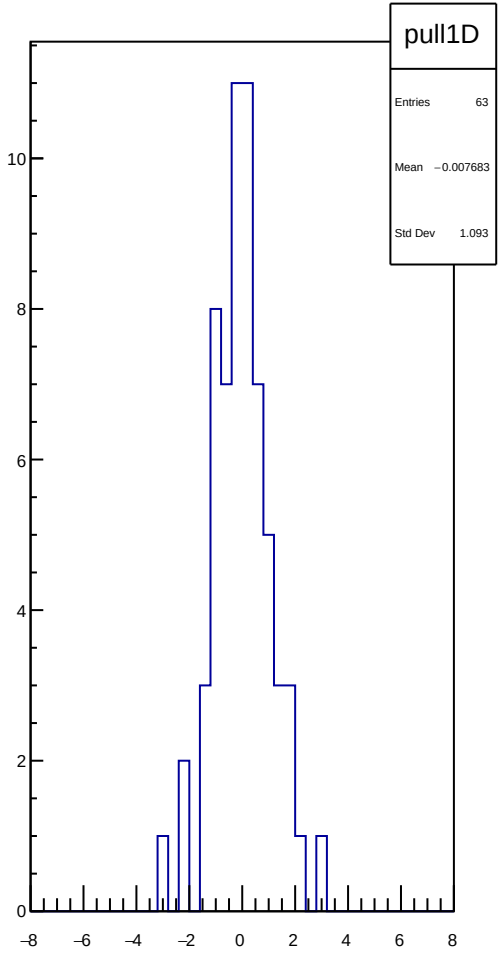

diff_bpm4aediffY_rms vs run
χ² / ndf 6024 / 62
p0 1492 ± 1.359
2000
1800
1600
1400
1200
1000

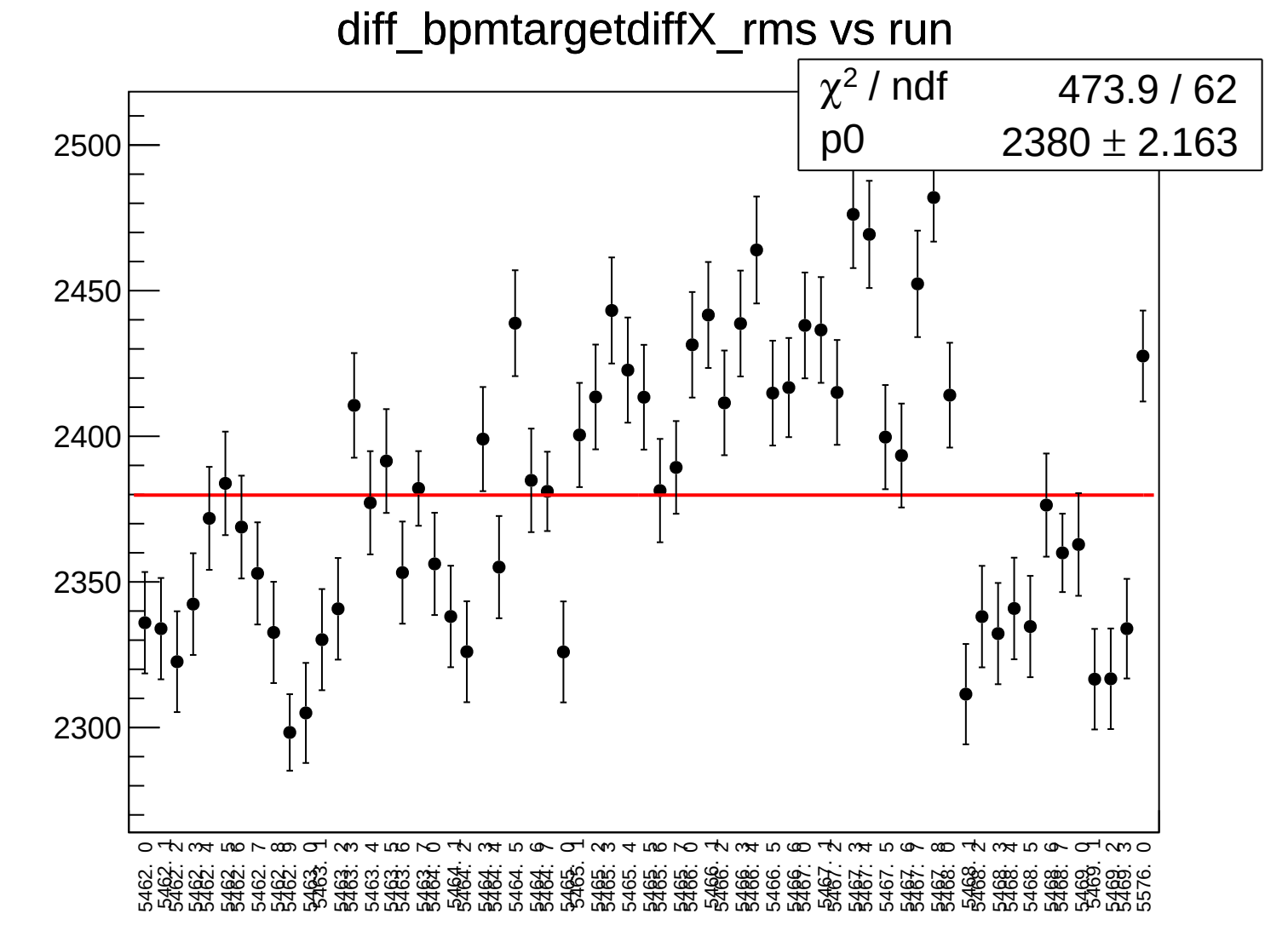

diff_bpmtargetsumX_mean vs run
χ² / ndf 67.03 / 62
p0 14.16 ± 23.26
pull
Entries 63
Mean 21.68
Std Dev 0

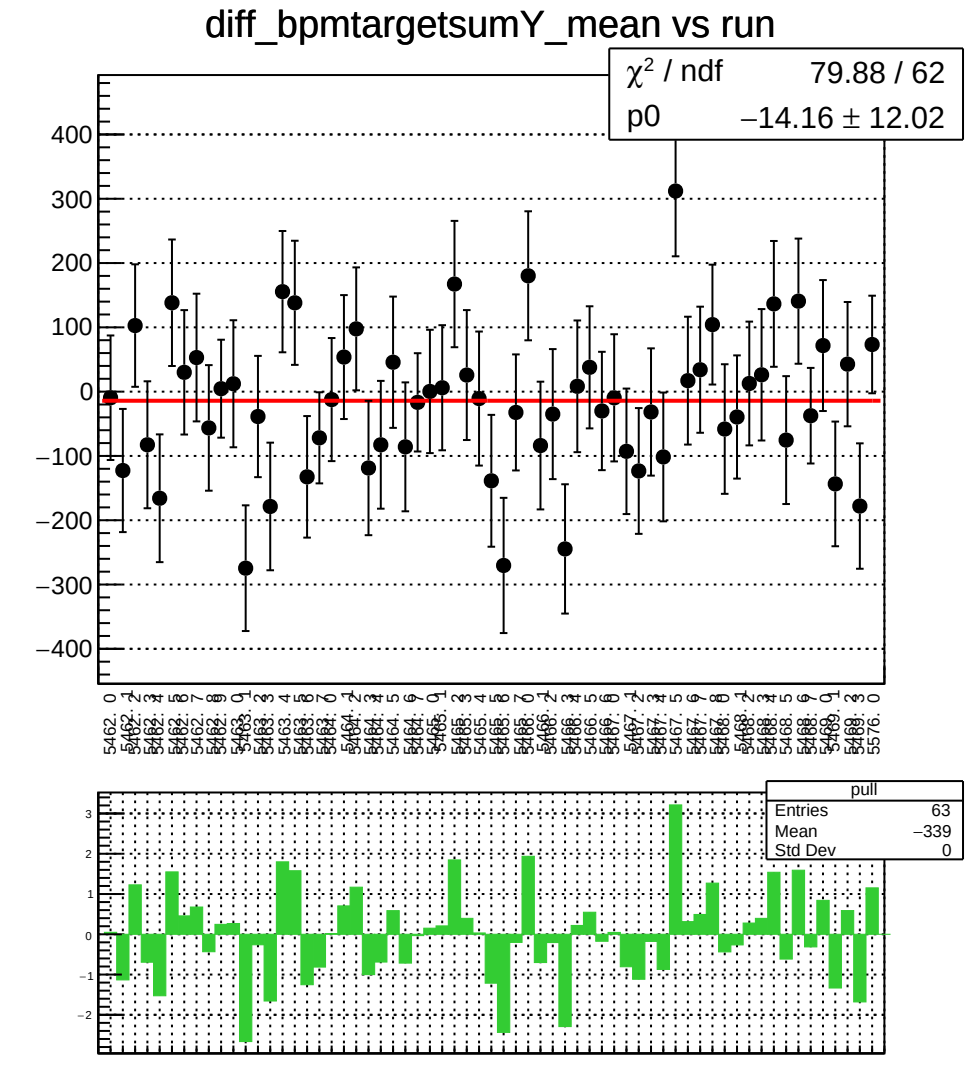

pull1D
Entries 63
Mean 0.01476
Std Dev 1.031

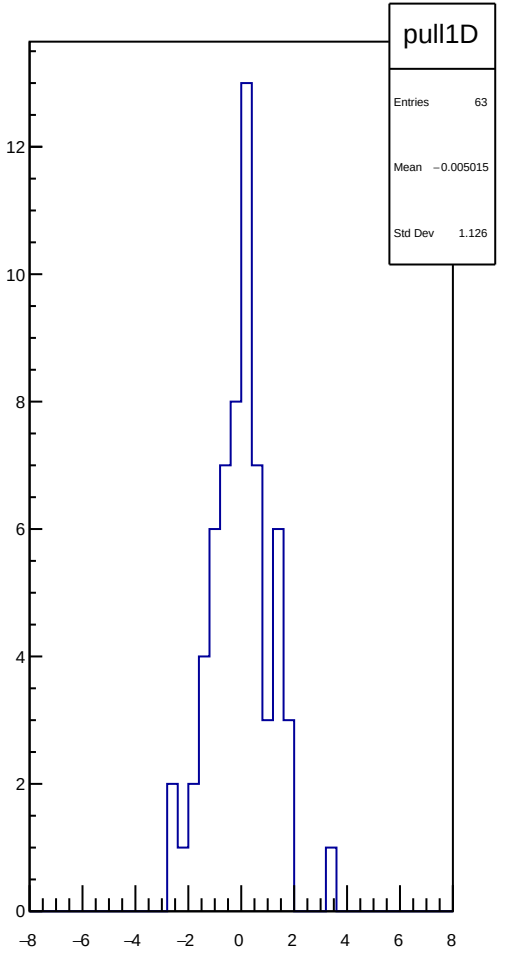

diff_bpmtargetsumX_rms vs run
χ² / ndf 629.8 / 62
p0 1.809e+04 ± 16.45
19000
18500
18000
17500
17000
16500

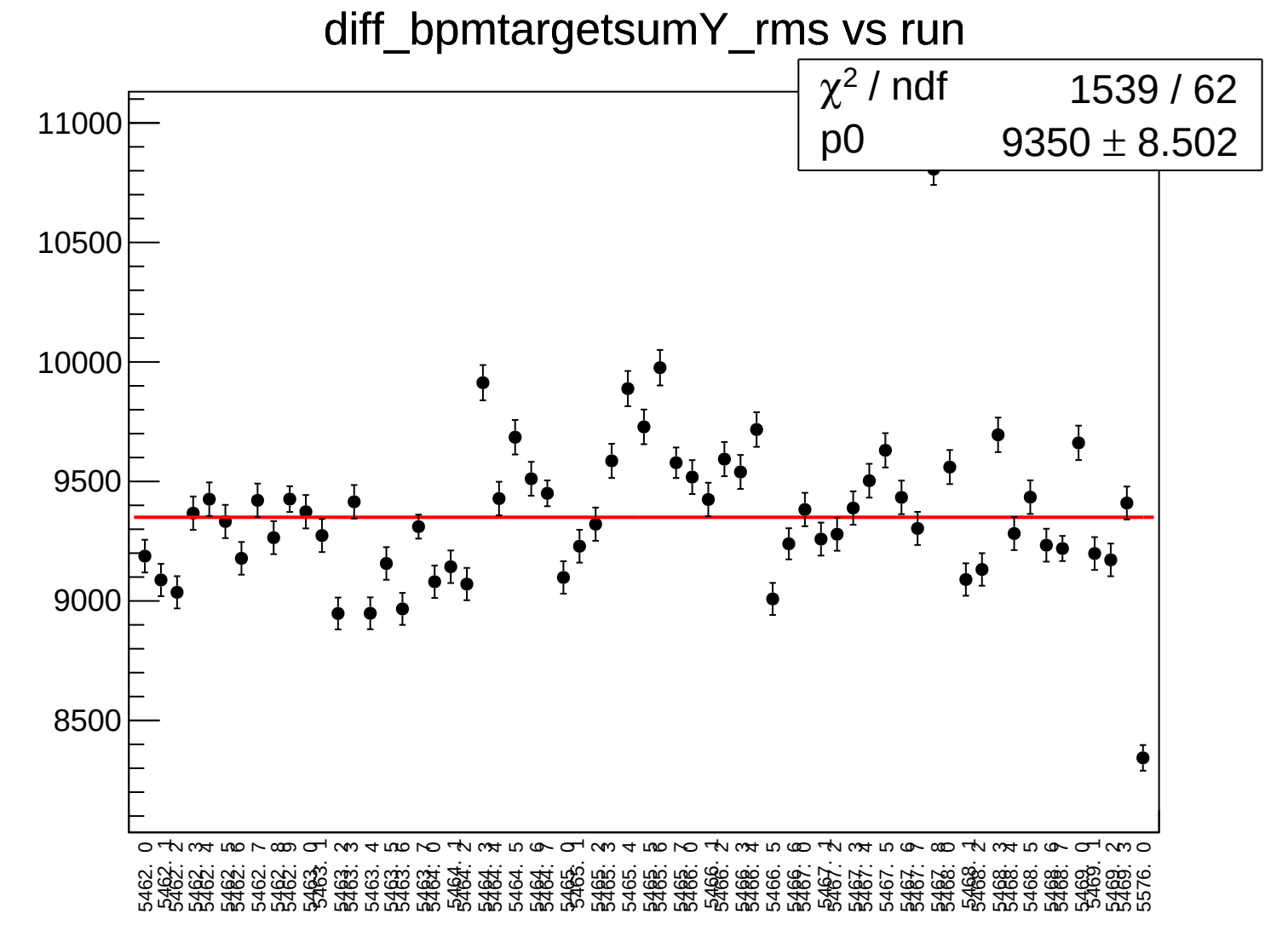

diff_bpmtargetdiffX_mean vs run
χ² / ndf 75.33 / 62
p0 −1.589 ± 3.059
100
50
0
−50
−100
pull
Entries 63
Mean 53.81
Std Dev 0
3
2
1
0
−1
−2
−3

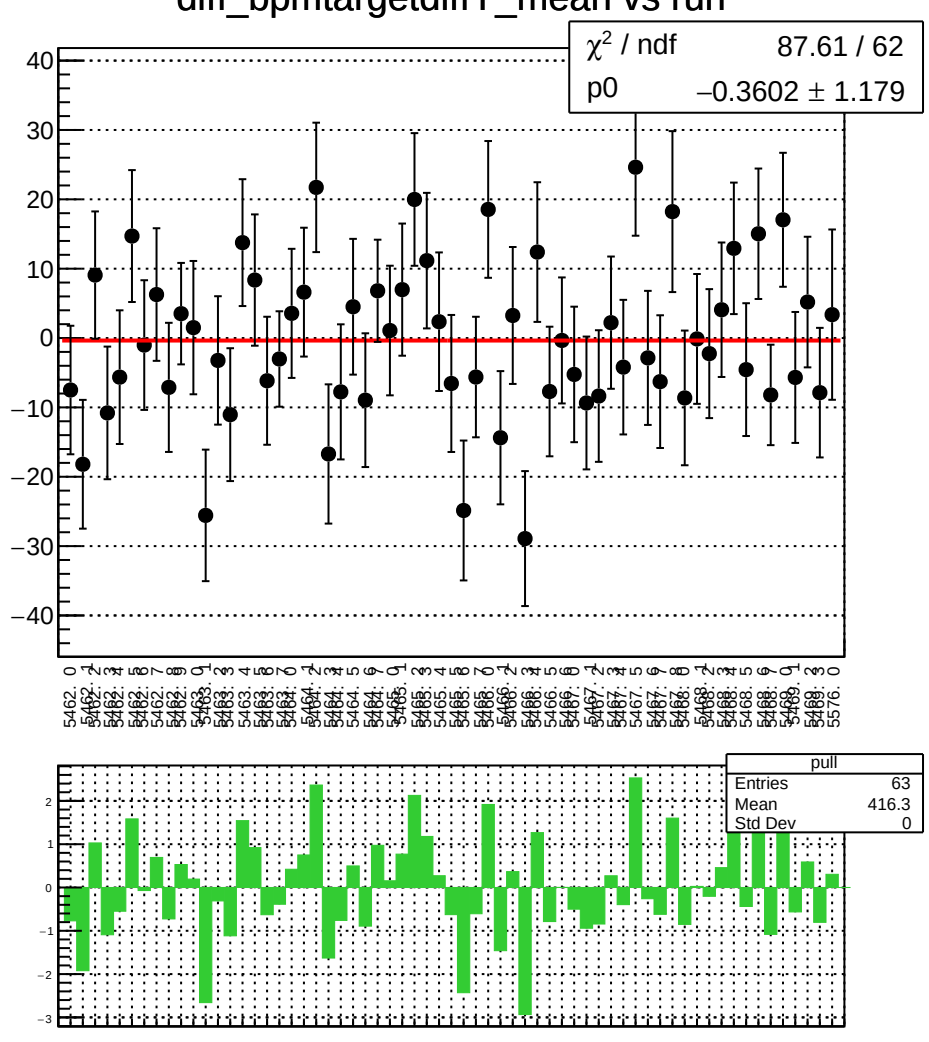

pull1D
Entries 63
Mean −0.007683
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

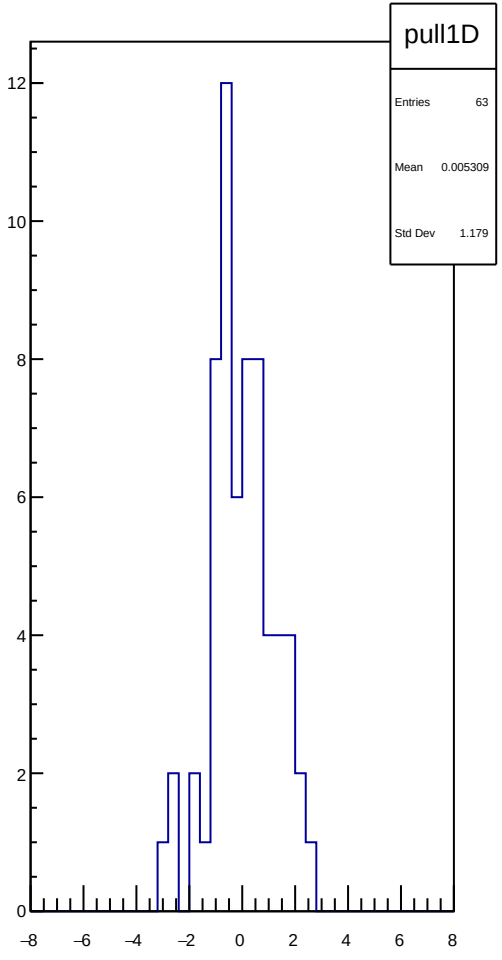

diff_bpmtargetdiffX_rms vs run
χ² / ndf 473.9 / 62
p0 2380 ± 2.163
2500
2450
2400
2350
2300

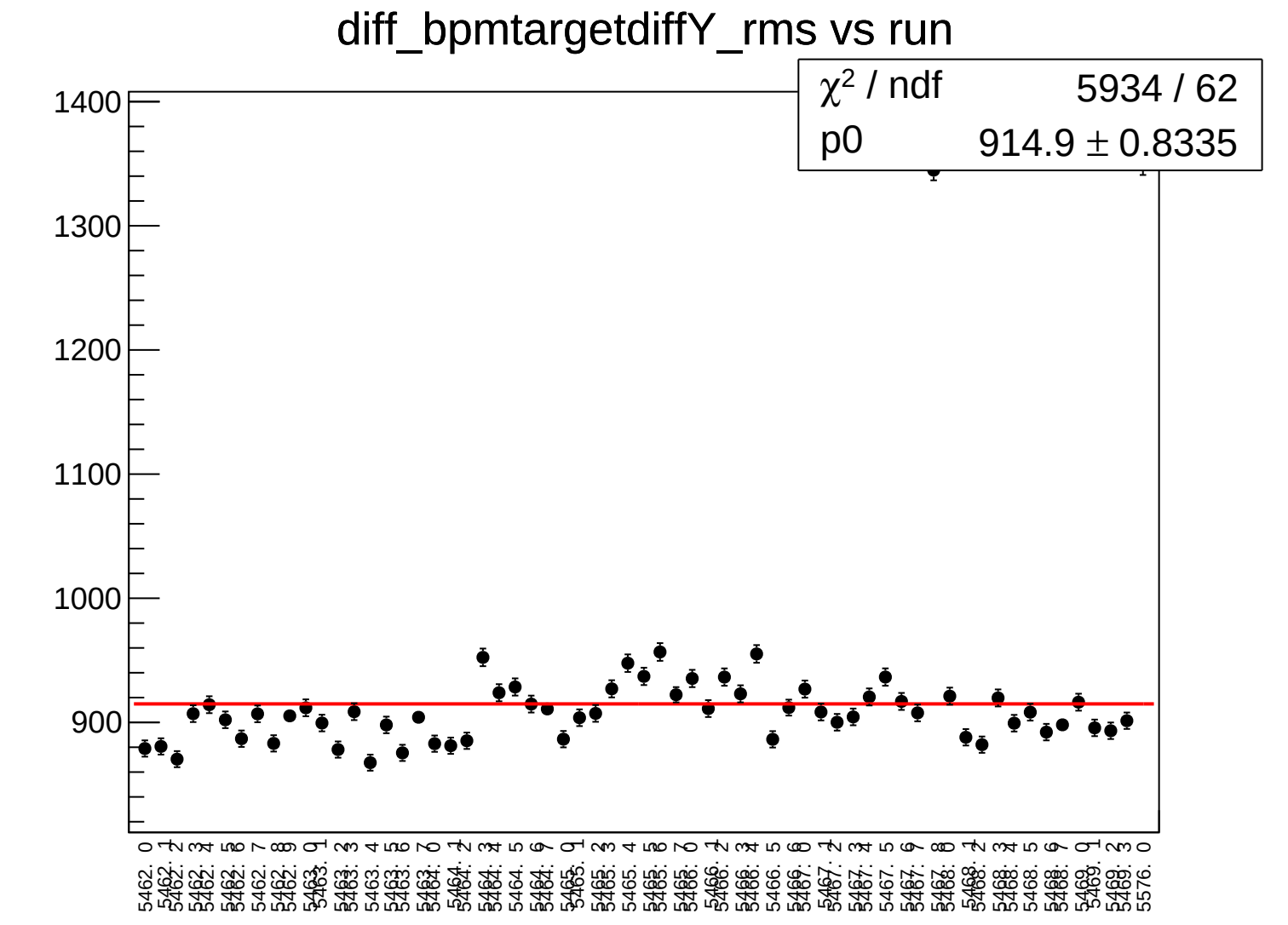

diff_bpmtargetsumY_mean vs run
χ² / ndf 79.88 / 62
p0 −14.16 ± 12.02
pull
Entries 63
Mean −339
Std Dev 0

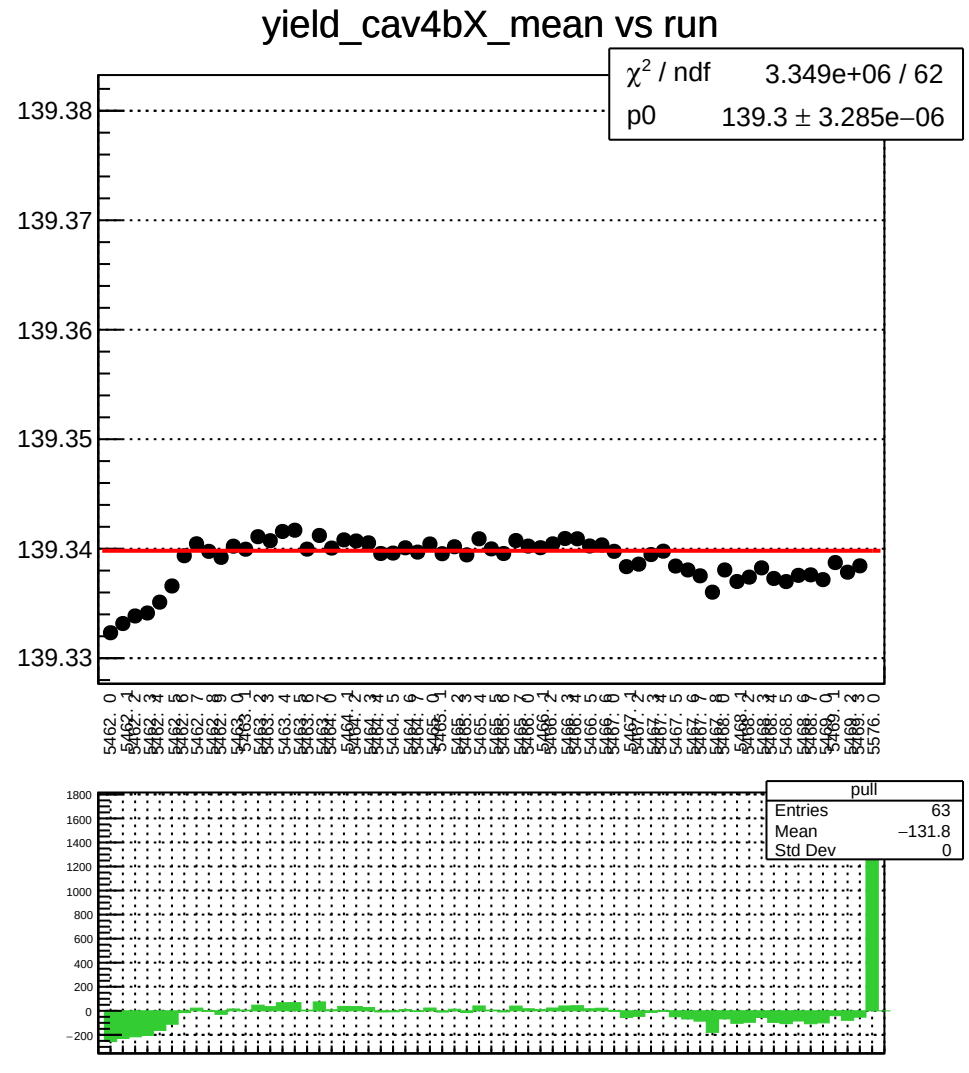

pull1D
Entries 63
Mean −0.005015
Std Dev 1.126

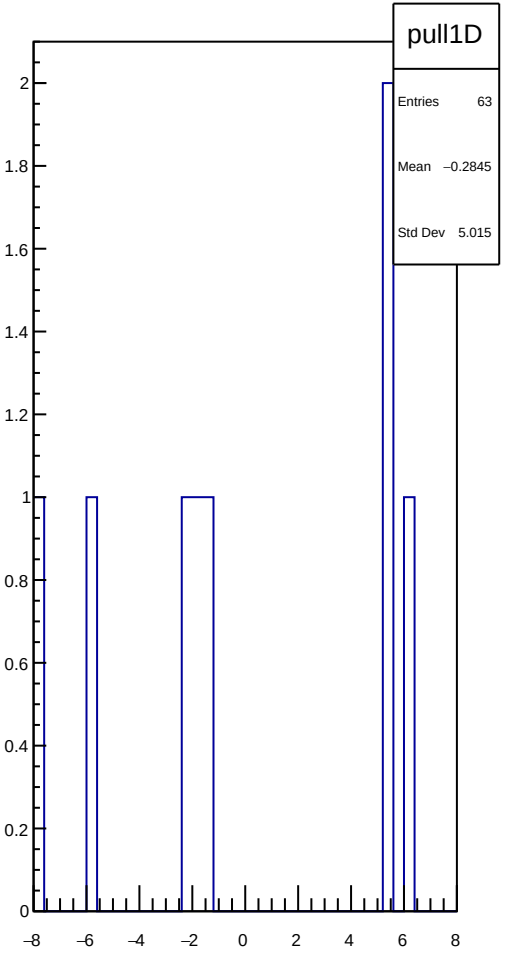

diff_bpmtargetsumY_rms vs run
χ² / ndf 1539 / 62
p0 9350 ± 8.502
11000
10500
10000
9500
9000
8500

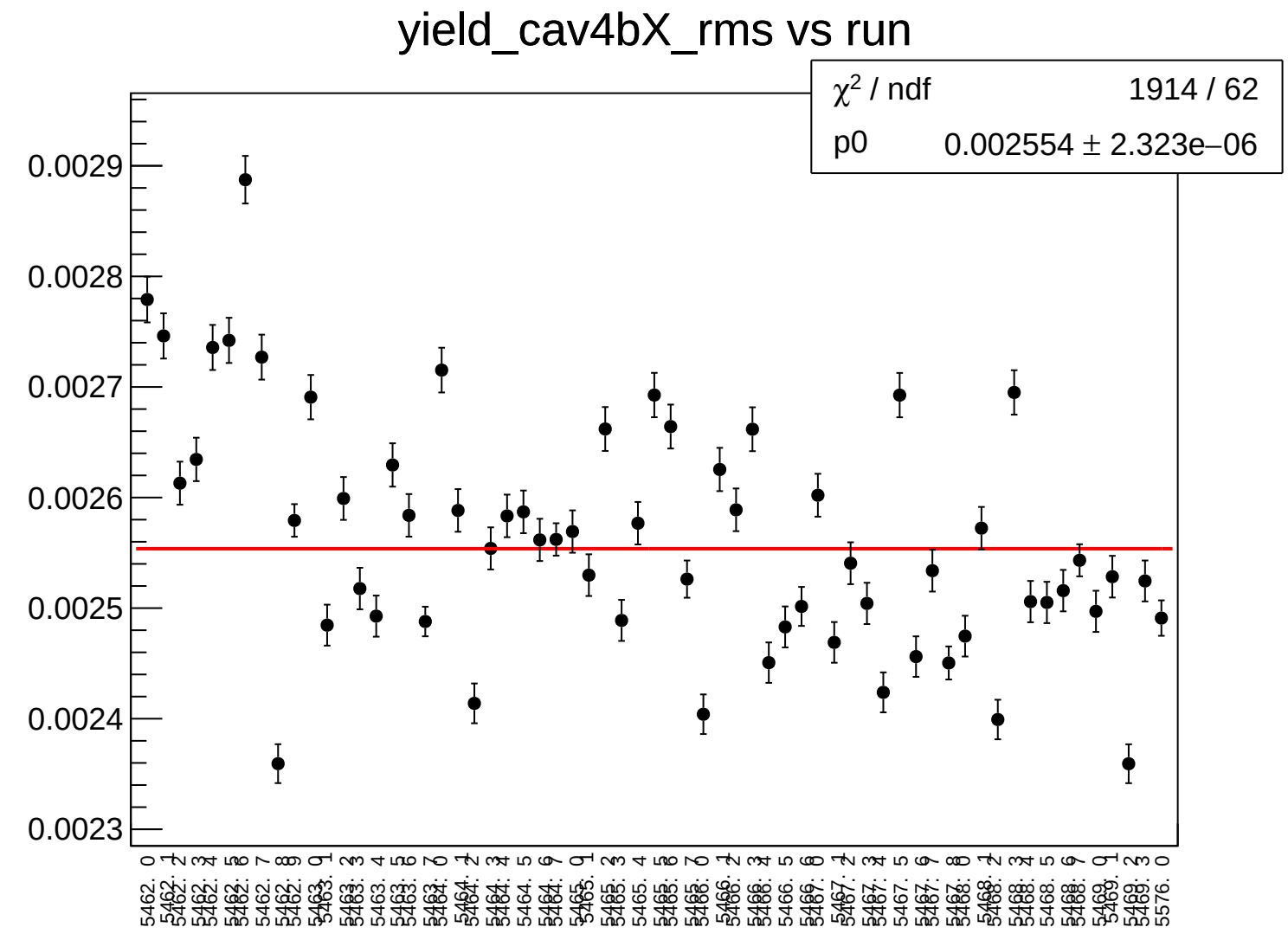

diff_bpmtargetdiffY_mean vs run
χ² / ndf 87.61 / 62
p0 −0.3602 ± 1.179
pull
Entries 63
Mean 416.3
Std Dev 0

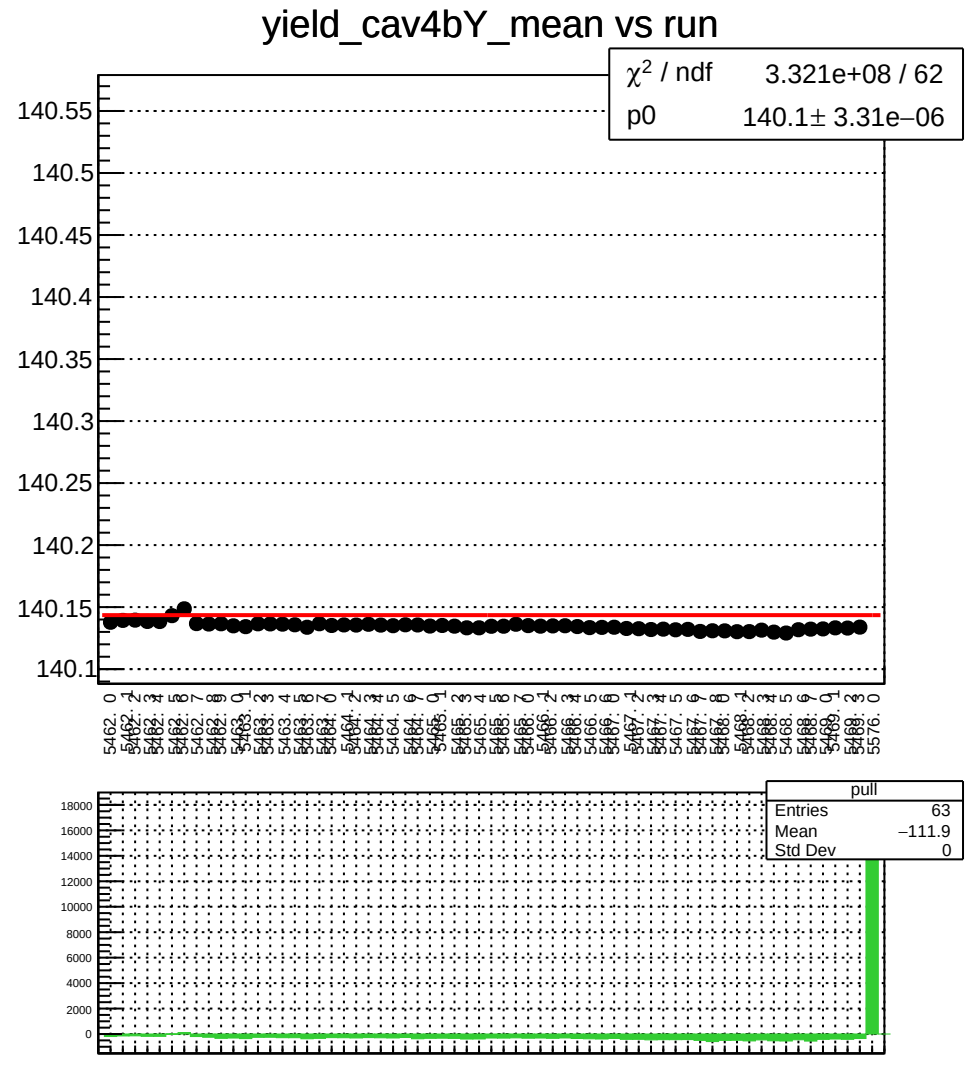

pull1D
Entries 63
Mean 0.005309
Std Dev 1.179

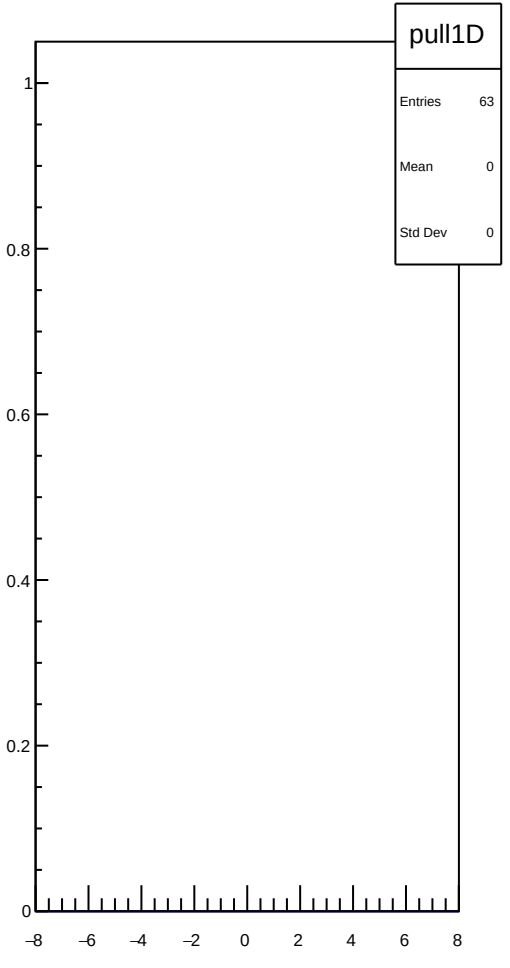

diff_bpmtargetdiffY_rms vs run
χ² / ndf 5934 / 62
p0 914.9 ± 0.8335
1400
1300
1200
1100
1000
900

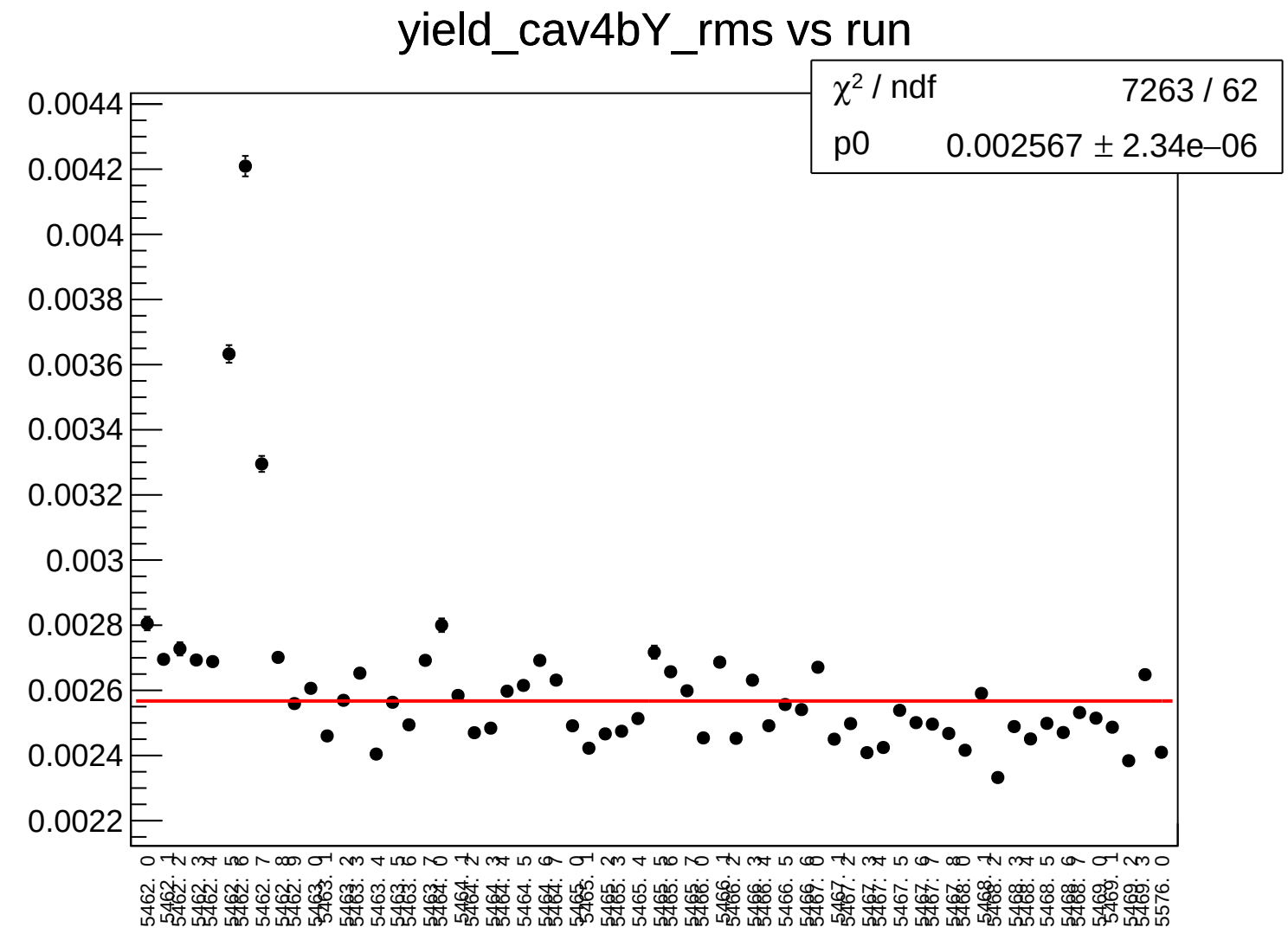

yield_cav4bX_mean vs run
χ² / ndf 3.349e+06 / 62
p0 139.3 ± 3.285e−06
139.38
139.37
139.36
139.35
139.34
139.33
pull
Entries 63
Mean −131.8
Std Dev 0
1800
1600
1400
1200
1000
800
600
400
200
0
−200

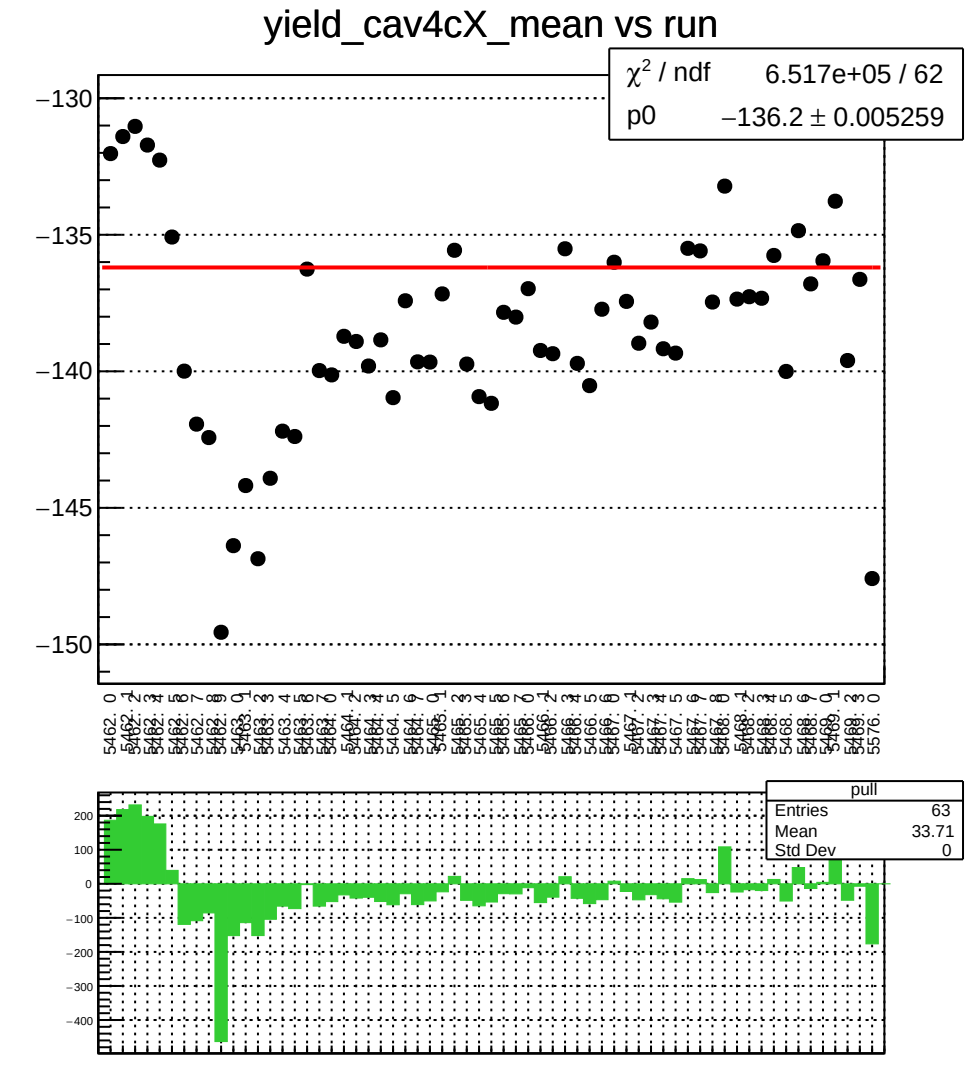

pull1D
Entries 63
Mean −0.2845
Std Dev 5.015
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

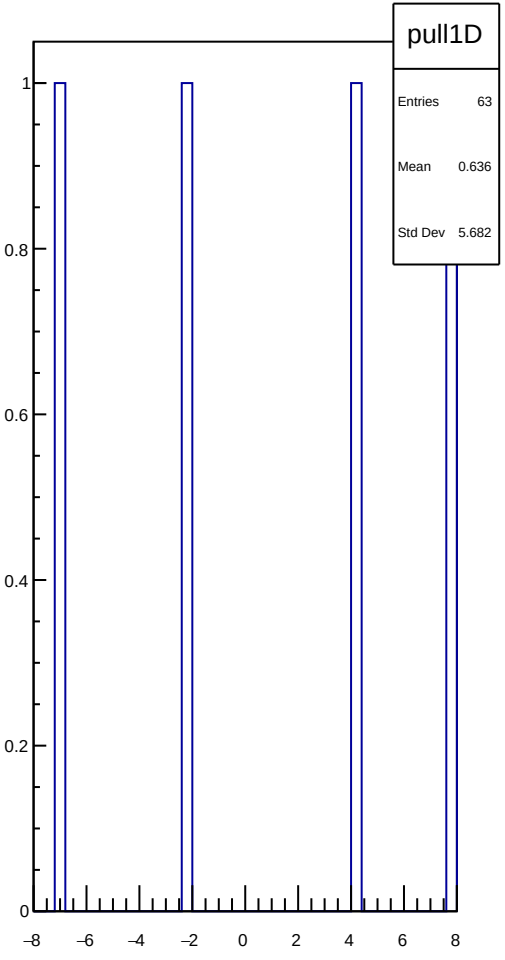

yield_cav4bX_rms vs run
χ² / ndf 1914 / 62
p0 0.002554 ± 2.323e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

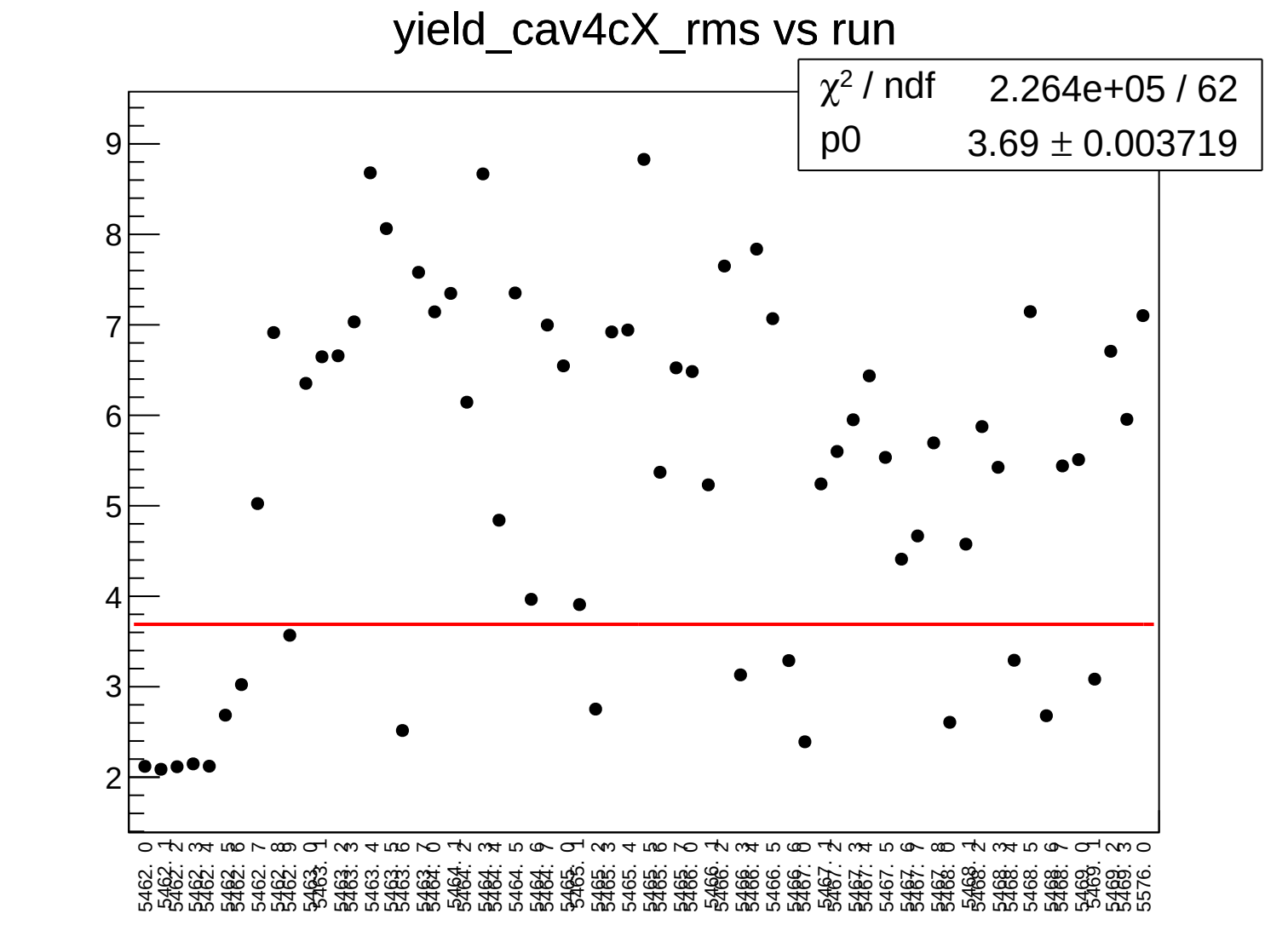

yield_cav4bY_mean vs run
χ² / ndf 3.321e+08 / 62
p0 140.1± 3.31e−06
140.55
140.5
140.45
140.4
140.35
140.3
140.25
140.2
140.15
140.1
pull
Entries 63
Mean −111.9
Std Dev 0
18000
16000
14000
12000
10000
8000
6000
4000
2000
0

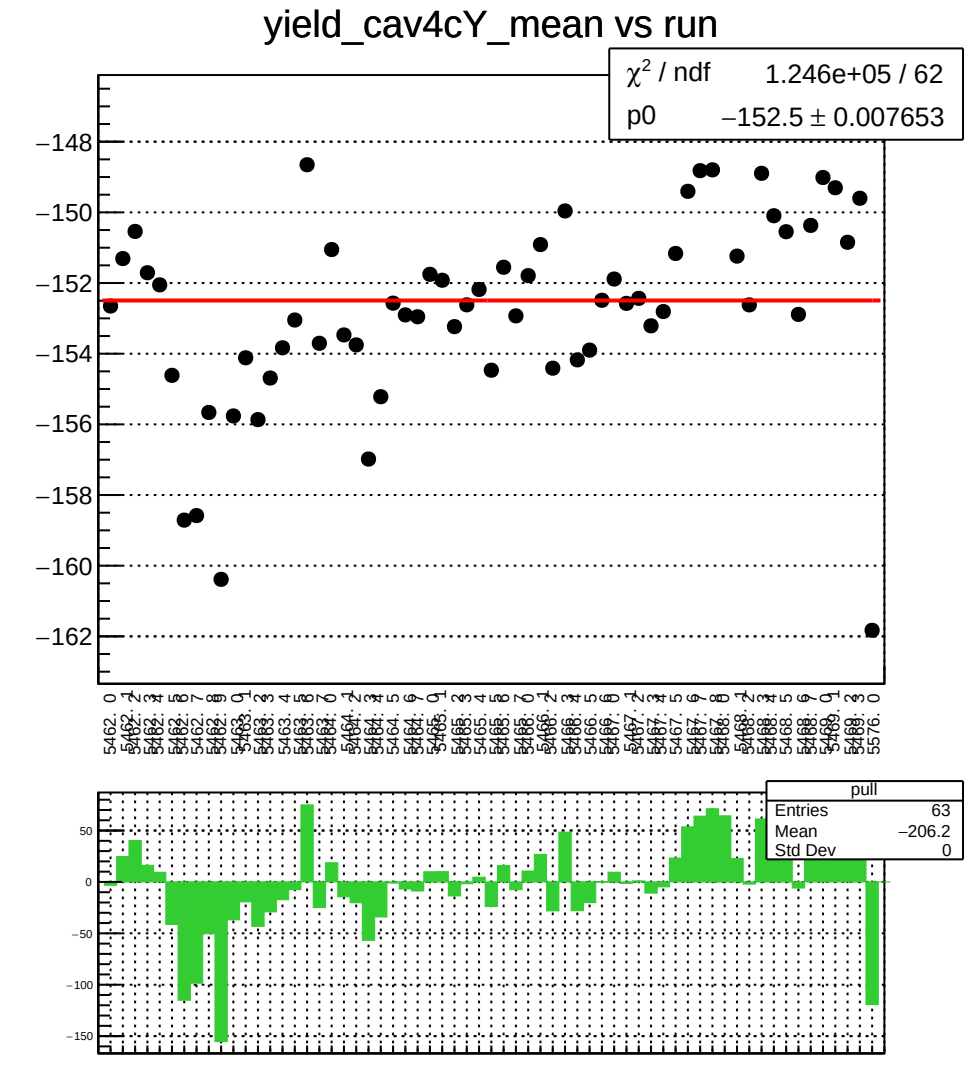

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

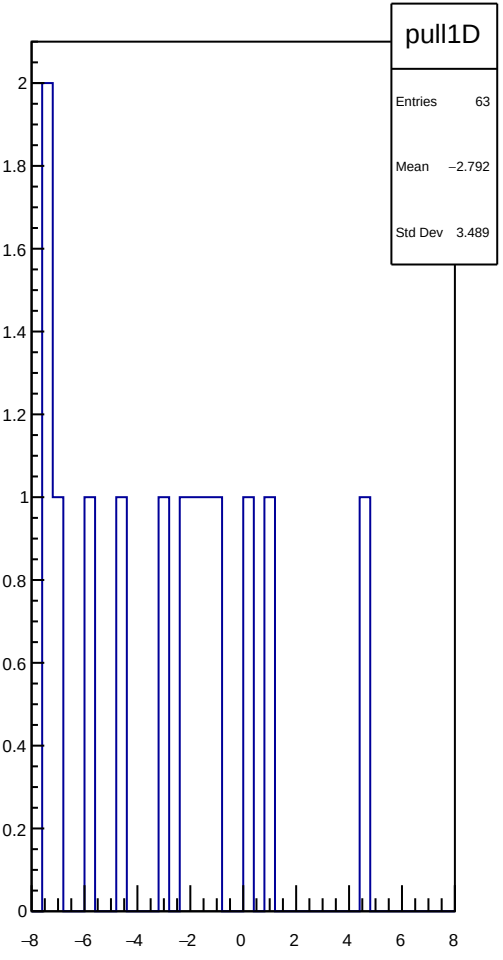

yield_cav4bY_rms vs run
χ² / ndf 7263 / 62
p0 0.002567 ± 2.34e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

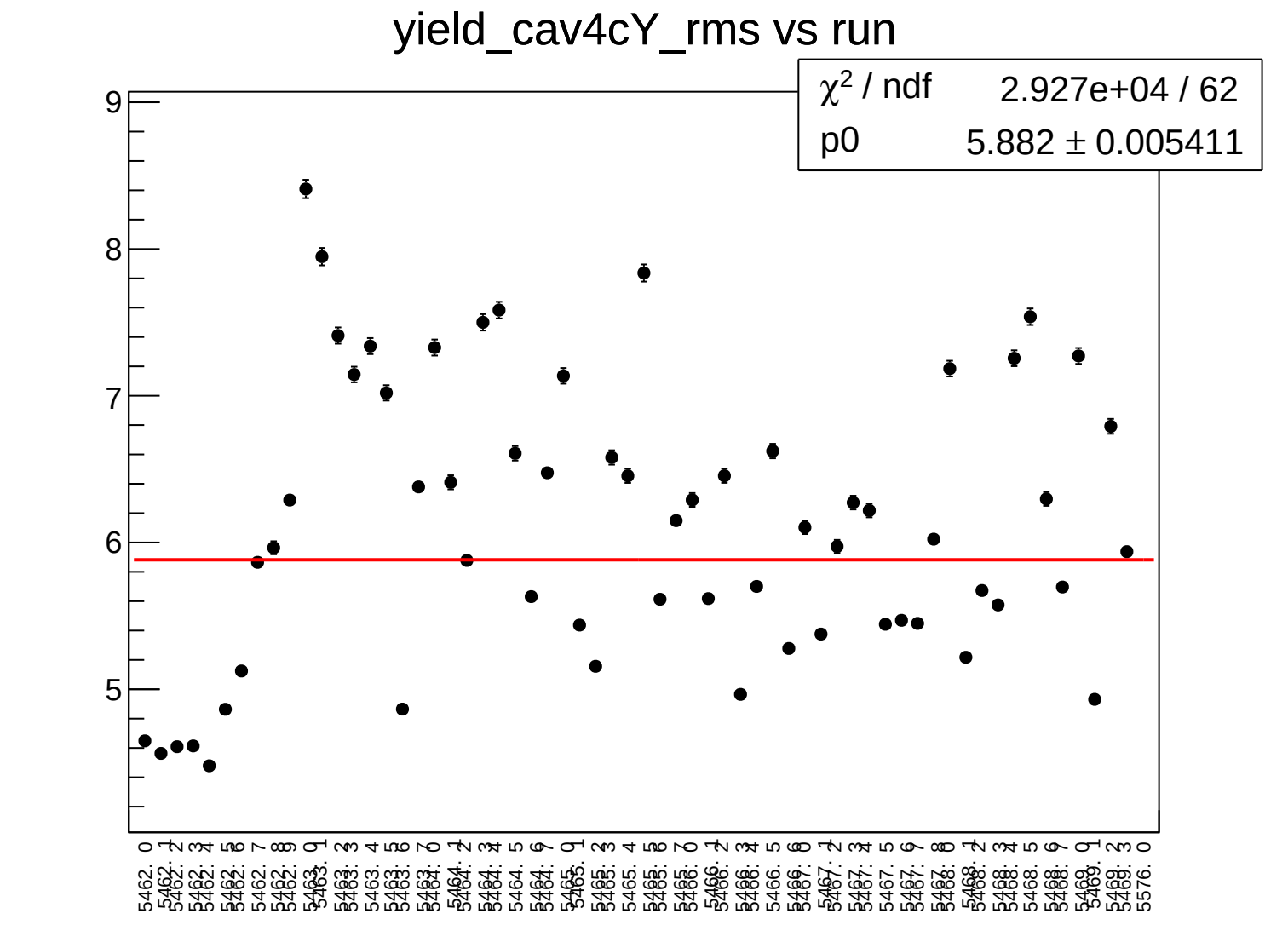

yield_cav4cX_mean vs run
χ² / ndf 6.517e+05 / 62
p0 −136.2 ± 0.005259
−130
−135
−140
−145
−150
pull
Entries 63
Mean 33.71
Std Dev 0
200
100
0
−100
−200
−300
−400

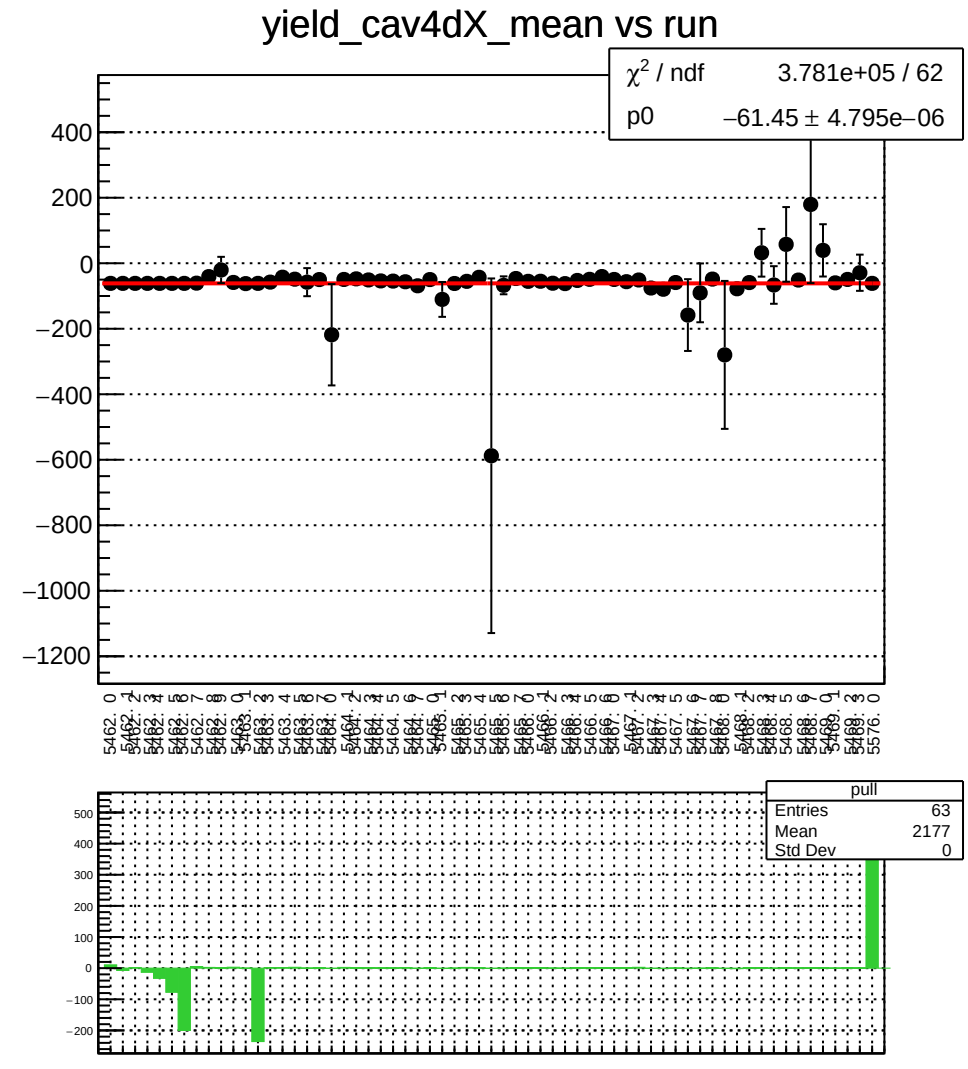

pull1D
Entries 63
Mean 0.636
Std Dev 5.682
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

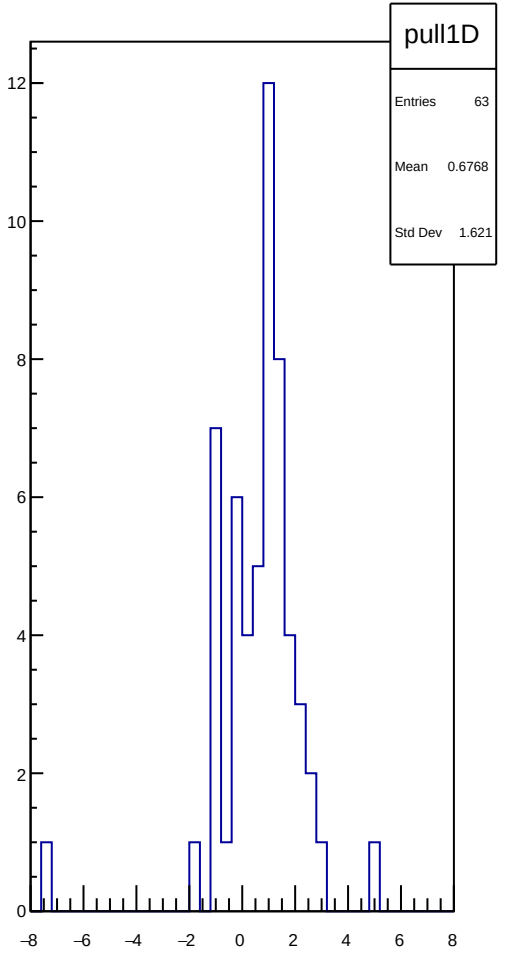

yield_cav4cX_rms vs run
χ^2 / ndf 2.264e+05 / 62
p0 3.69 ± 0.003719
9
8
7
6
5
4
3
2

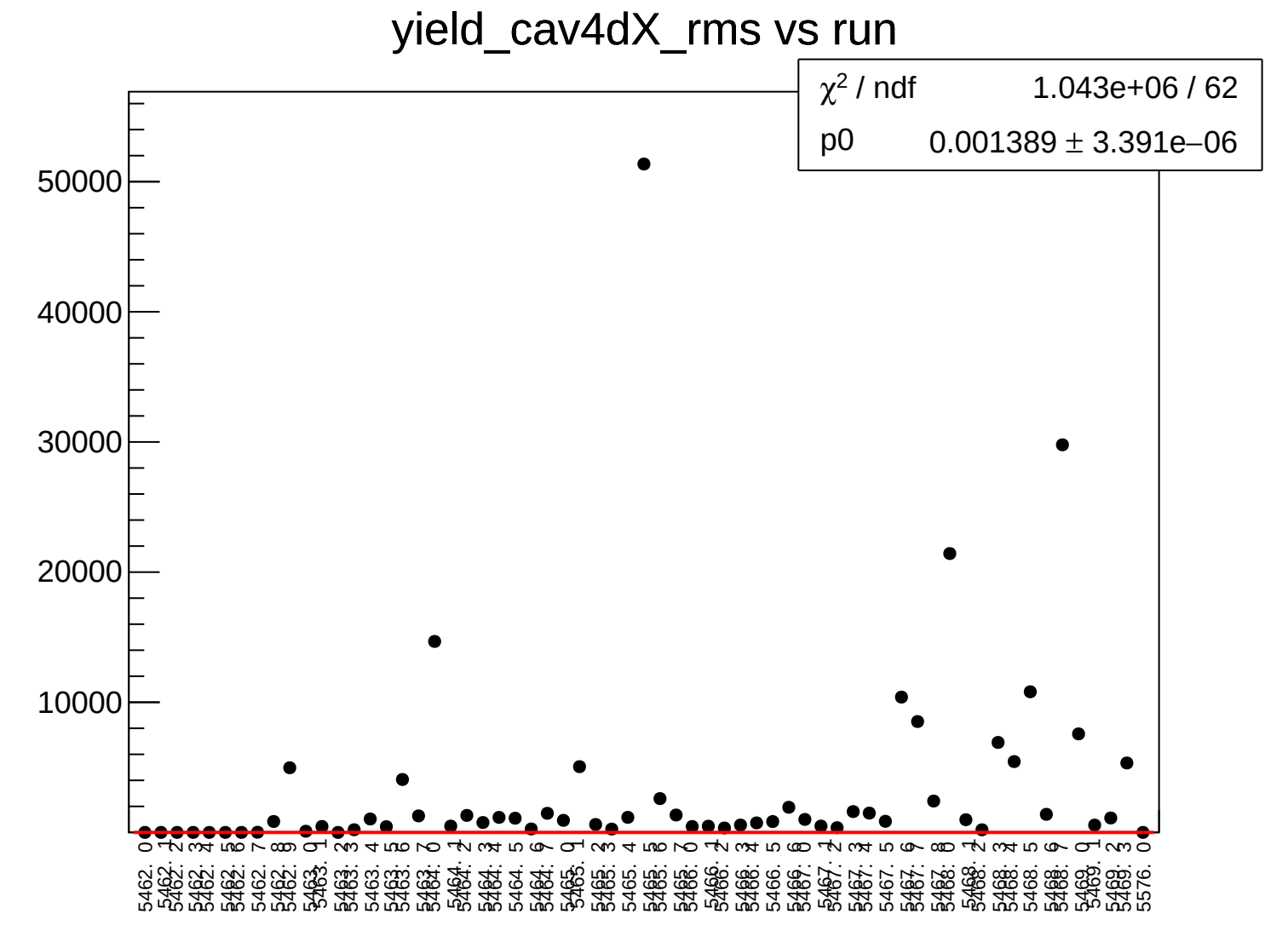

yield_cav4cY_mean vs run
χ² / ndf 1.246e+05 / 62
p0 −152.5 ± 0.007653
pull
Entries 63
Mean −206.2
Std Dev 0

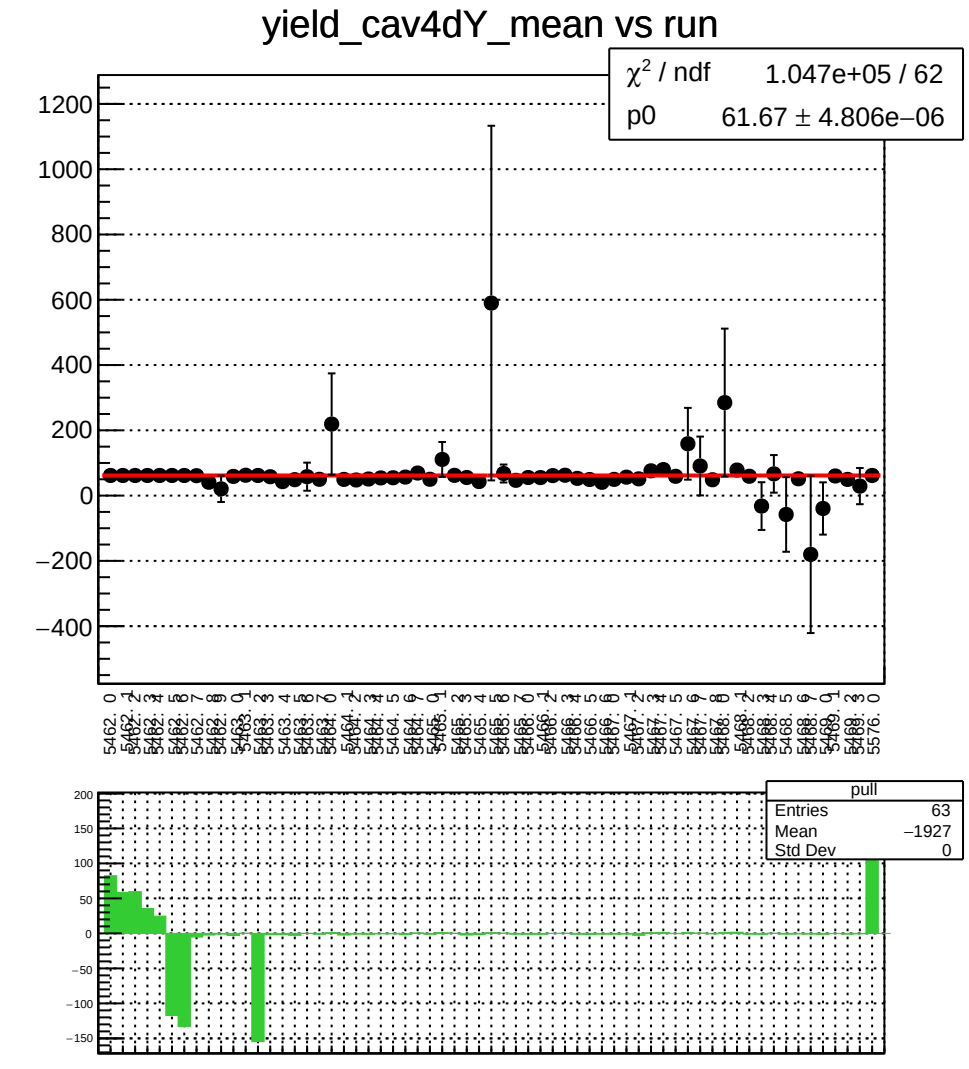

pull1D
Entries 63
Mean −2.792
Std Dev 3.489

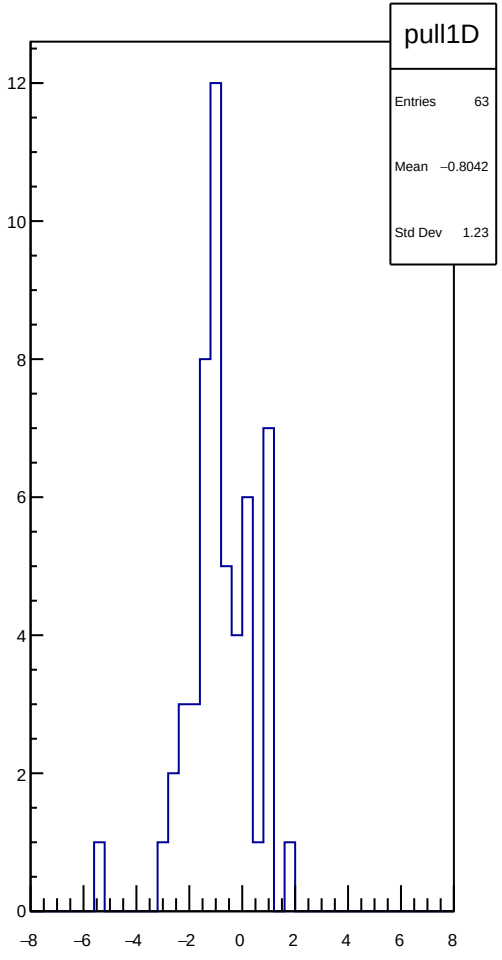

yield_cav4cY_rms vs run
χ^2 / ndf 2.927e+04 / 62
p0 5.882 ± 0.005411
9
8
7
6
5

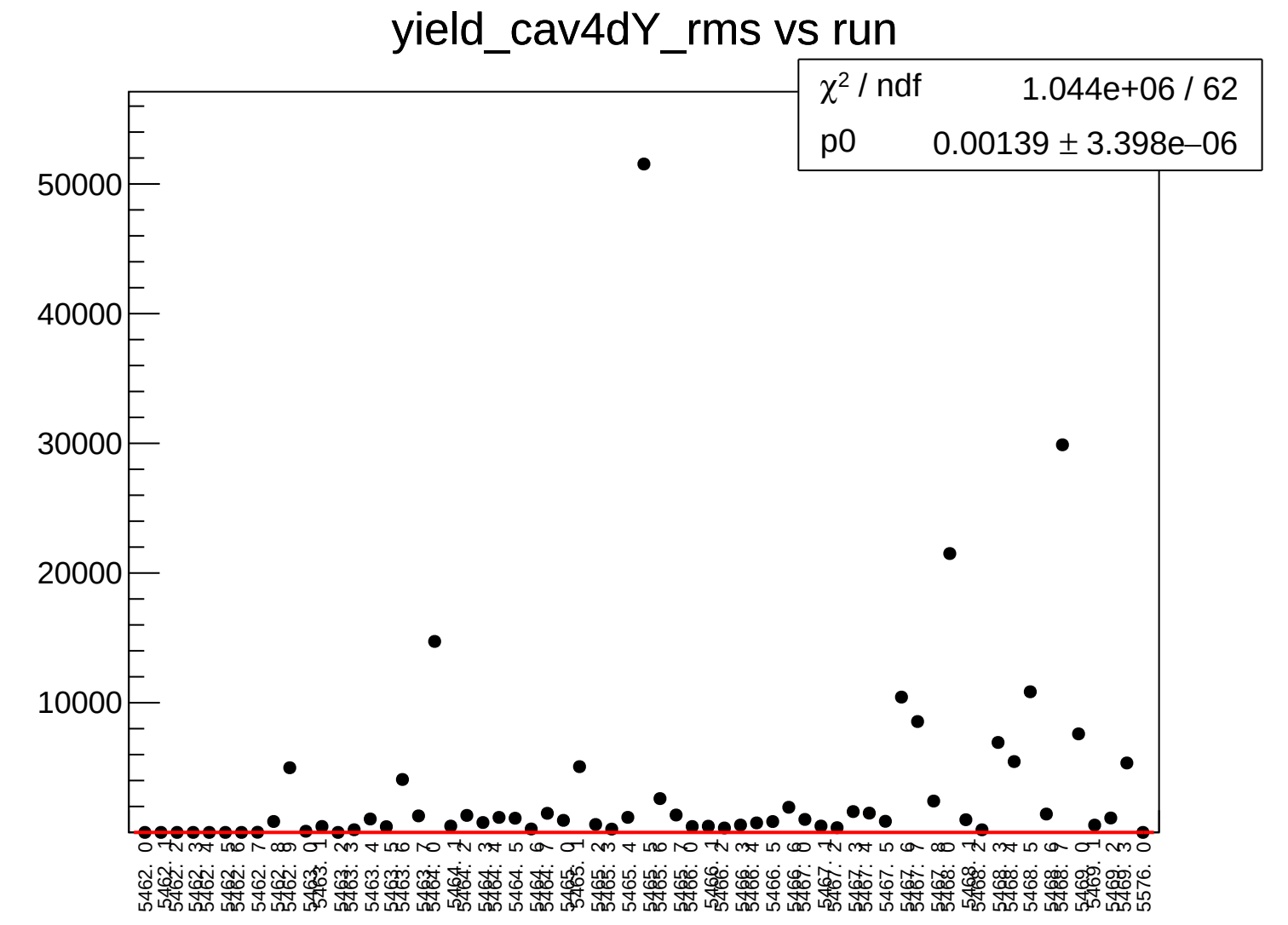

yield_cav4dX_mean vs run
χ² / ndf 3.781e+05 / 62
p0 −61.45 ± 4.795e−06
pull
Entries 63
Mean 2177
Std Dev 0

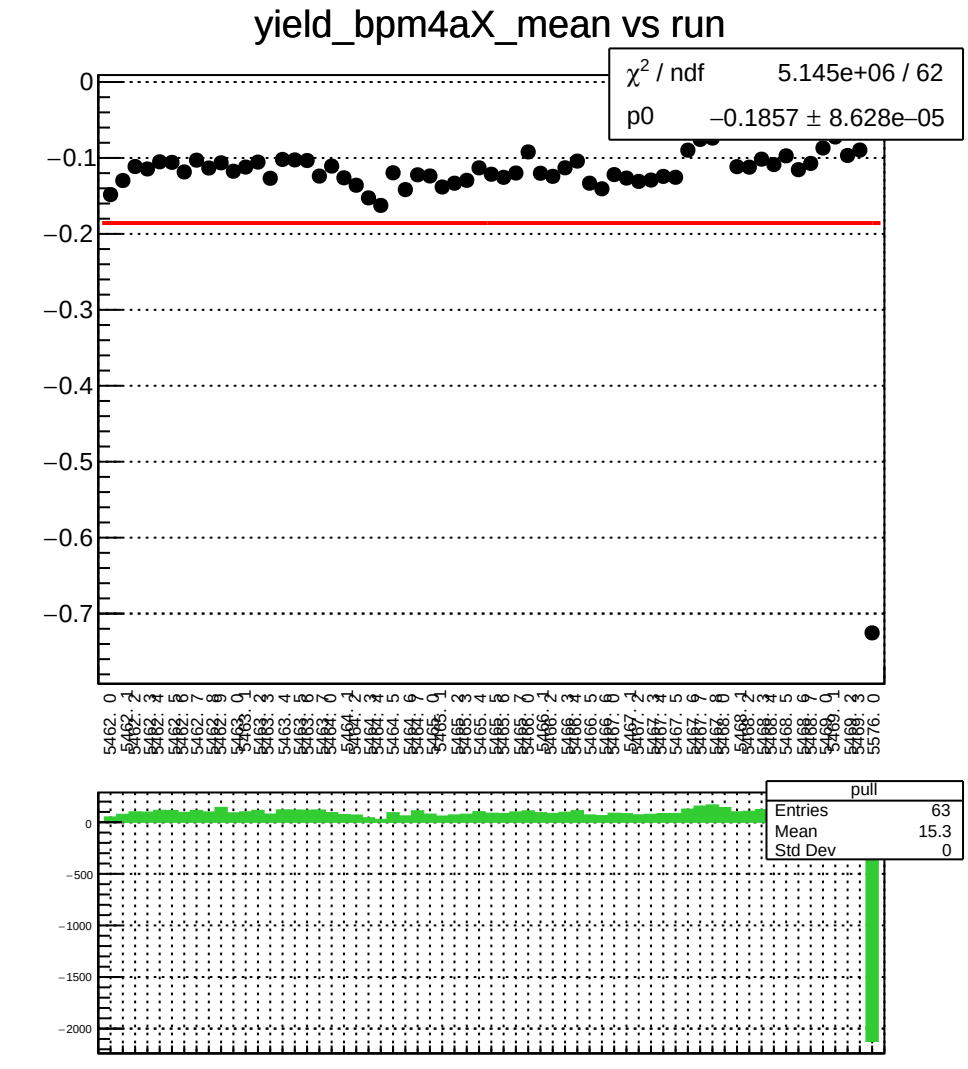

pull1D
Entries 63
Mean 0.6768
Std Dev 1.621

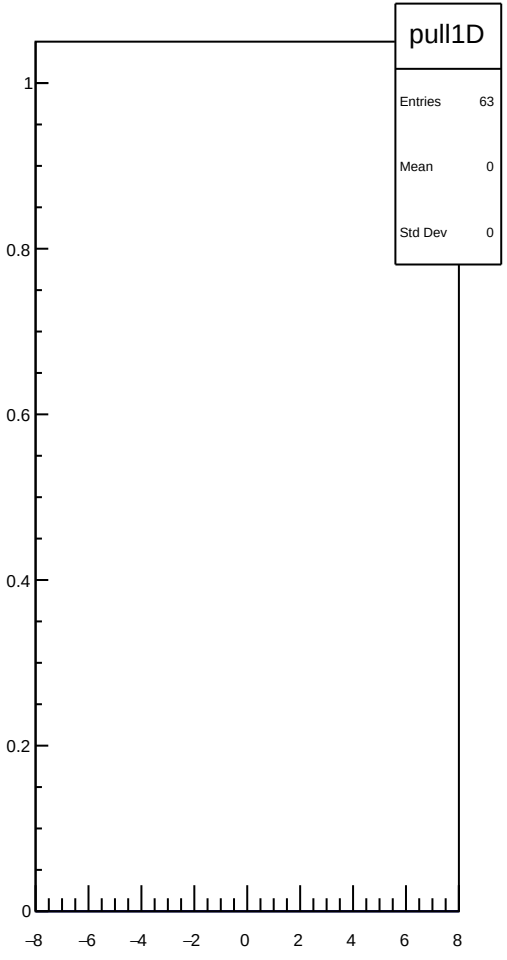

yield_cav4dX_rms vs run
χ² / ndf 1.043e+06 / 62
p0 0.001389 ± 3.391e−06
50000
40000
30000
20000
10000

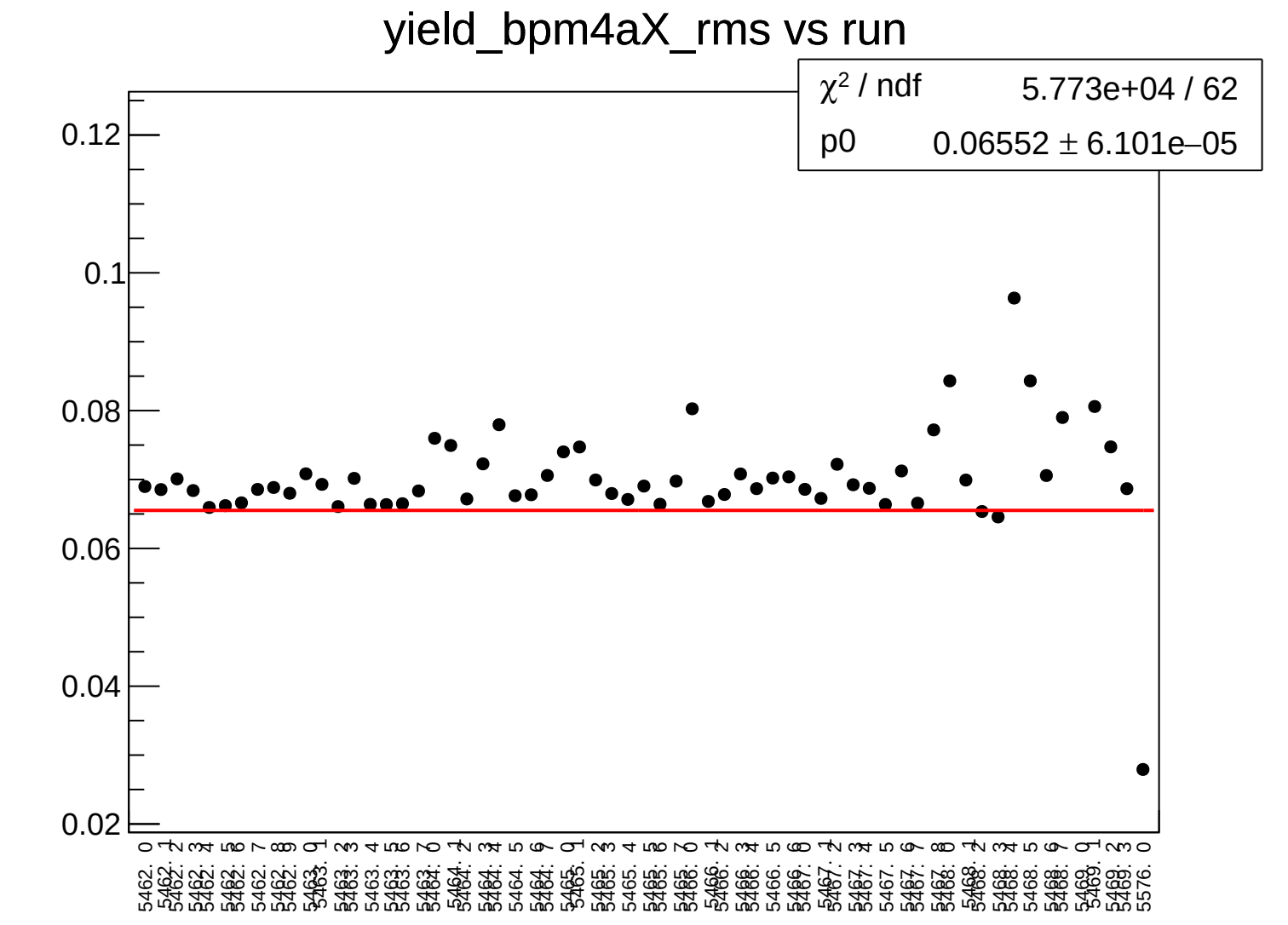

yield_cav4dY_mean vs run
χ² / ndf 1.047e+05 / 62
p0 61.67 ± 4.806e−06
pull
Entries 63
Mean −1927
Std Dev 0

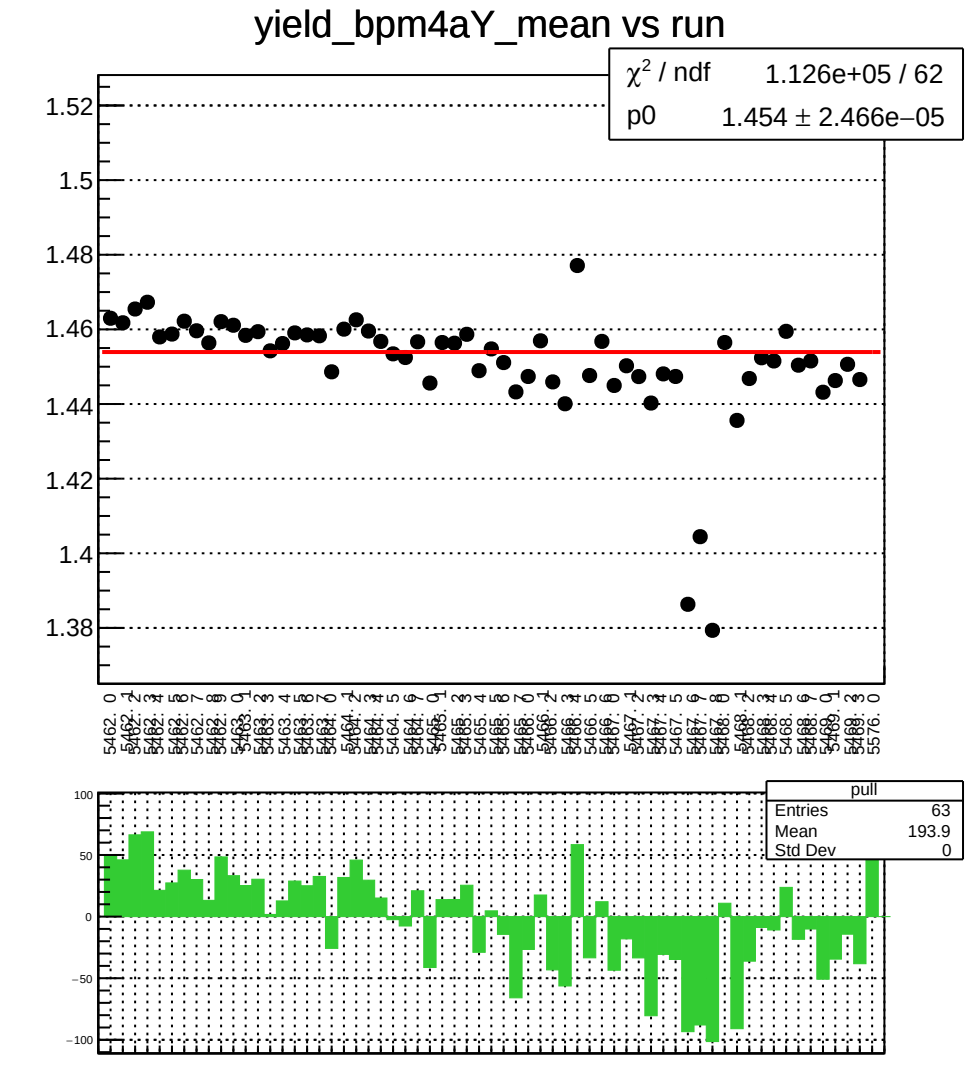

pull1D
Entries 63
Mean −0.8042
Std Dev 1.23

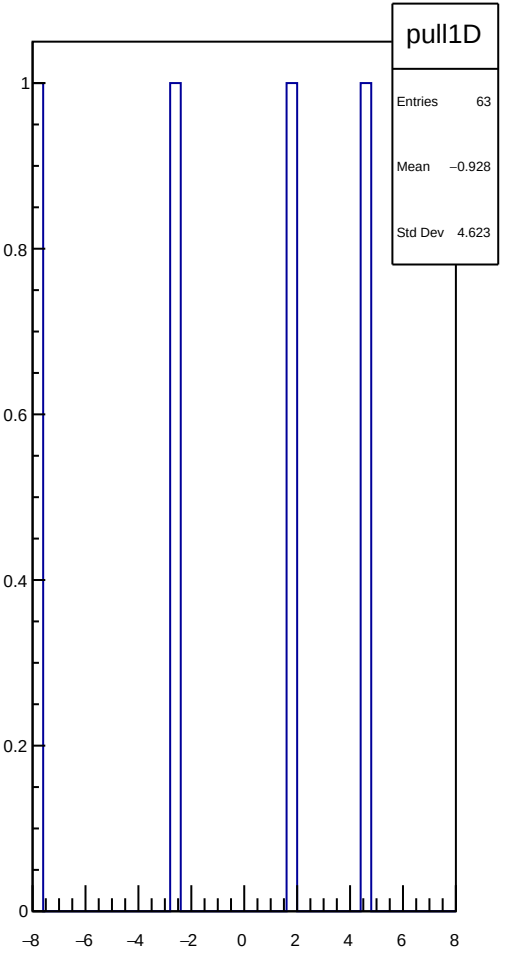

yield_cav4dY_rms vs run
χ² / ndf 1.044e+06 / 62
p0 0.00139 ± 3.398e–06
50000
40000
30000
20000
10000

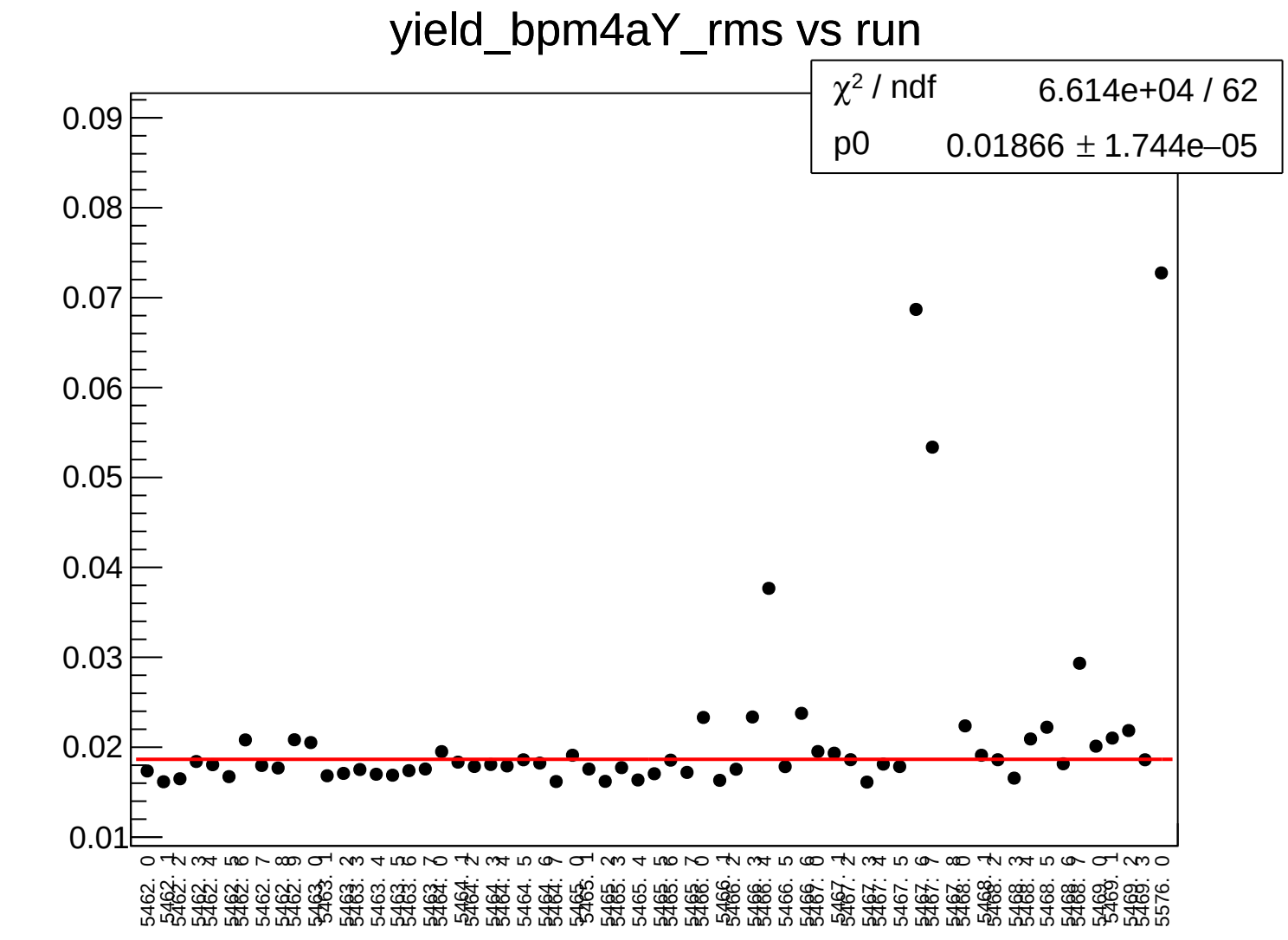

yield_bpm4aX_mean vs run
χ² / ndf 5.145e+06 / 62
p0 −0.1857 ± 8.628e−05
pull
Entries 63
Mean 15.3
Std Dev 0

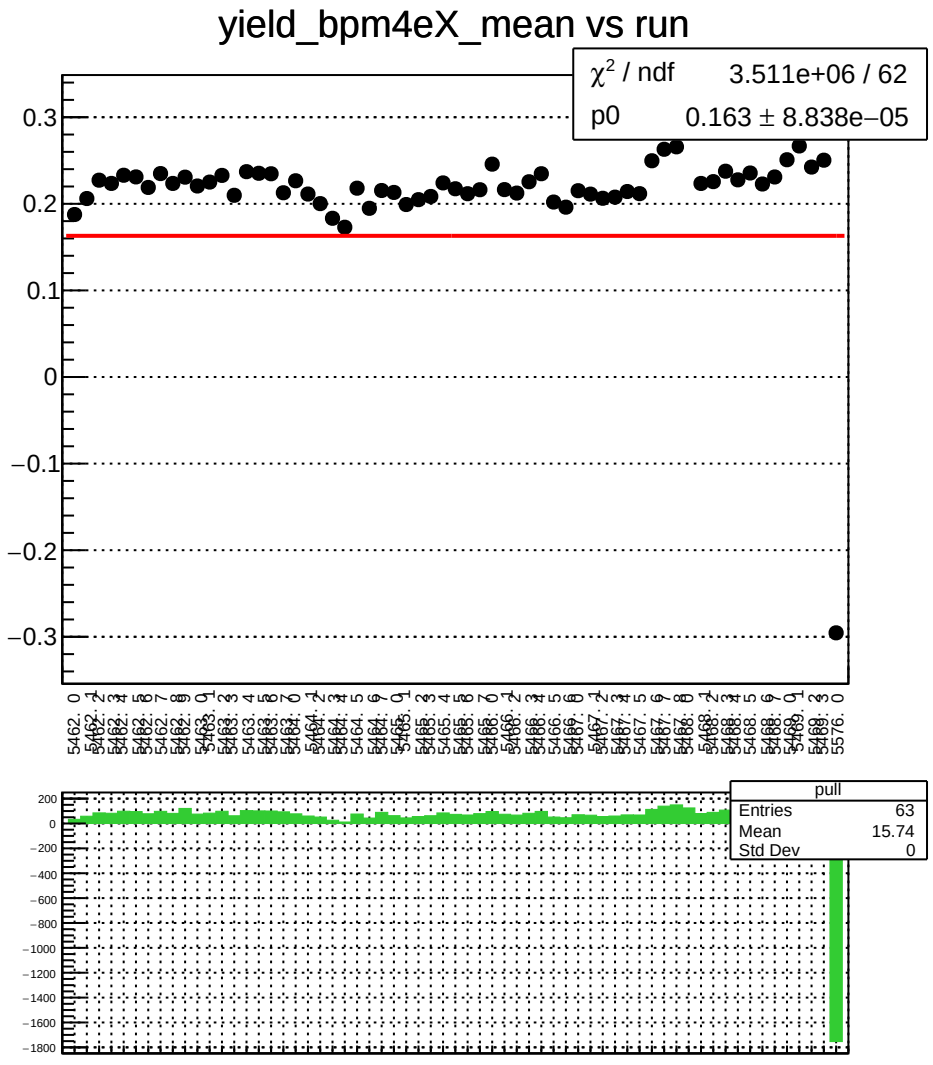

pull1D
Entries 63
Mean 0
Std Dev 0

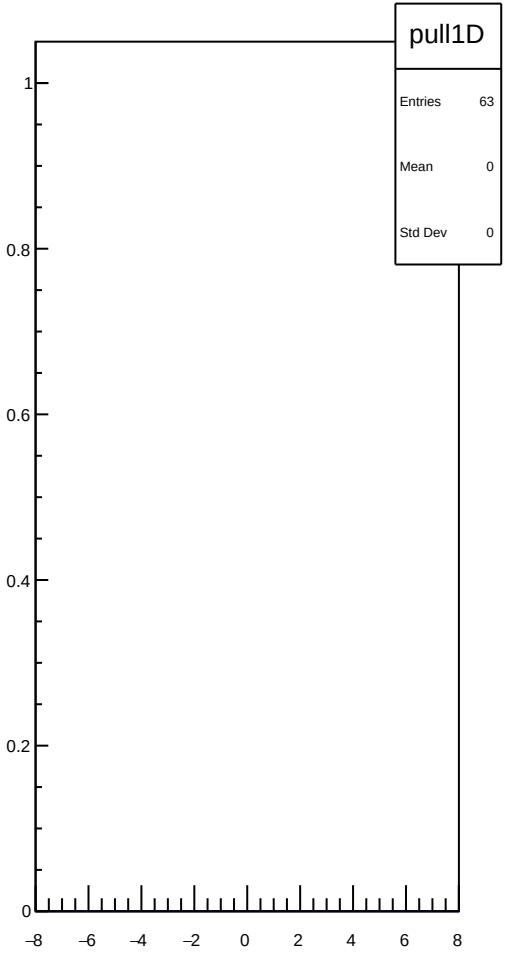

yield_bpm4aX_rms vs run
χ² / ndf 5.773e+04 / 62
p0 0.06552 ± 6.101e–05
0.12
0.1
0.08
0.06
0.04
0.02

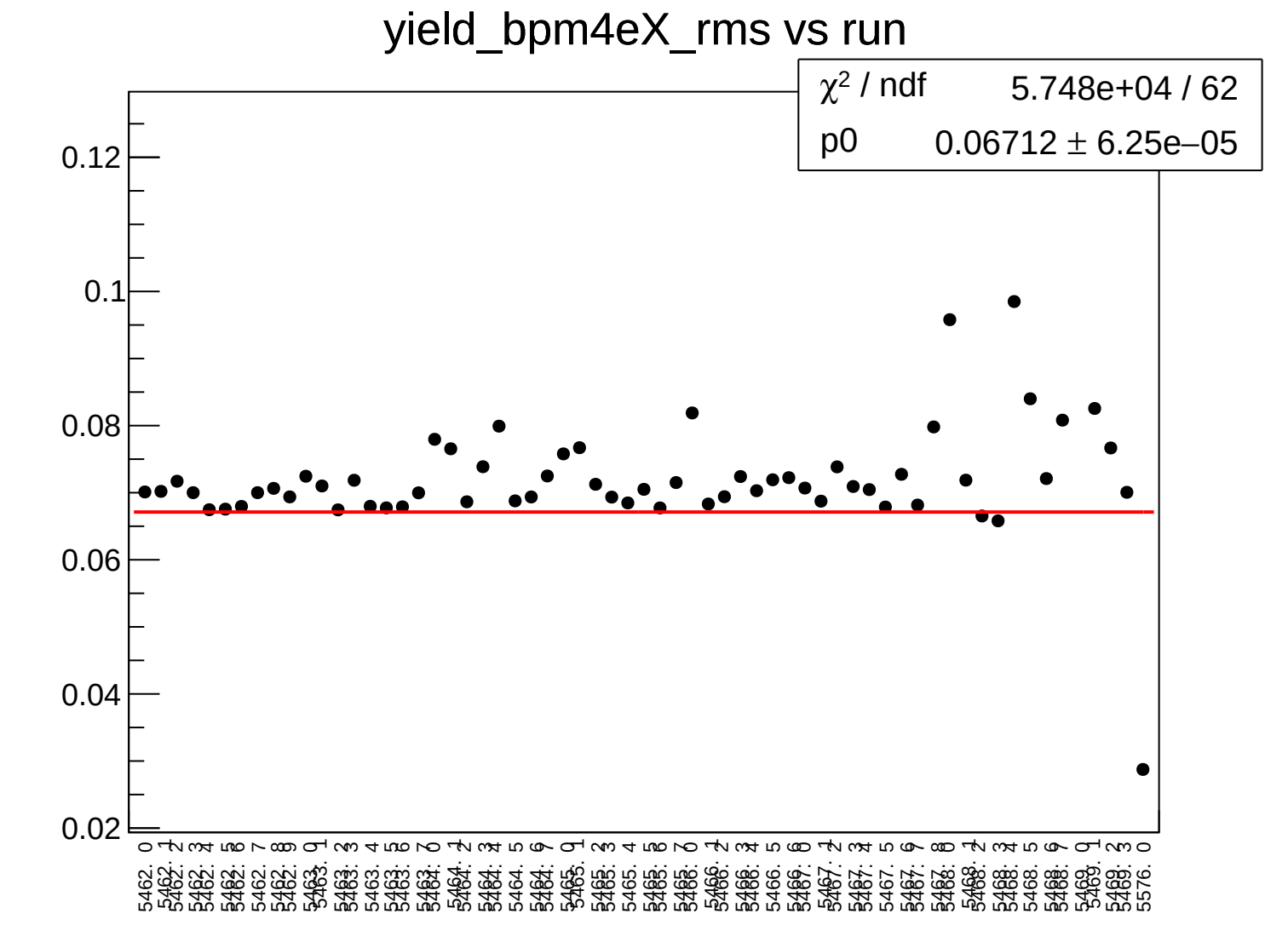

yield_bpm4aY_mean vs run
χ² / ndf 1.126e+05 / 62
p0 1.454 ± 2.466e−05
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
pull
Entries 63
Mean 193.9
Std Dev 0
100
50
0
−50
−100

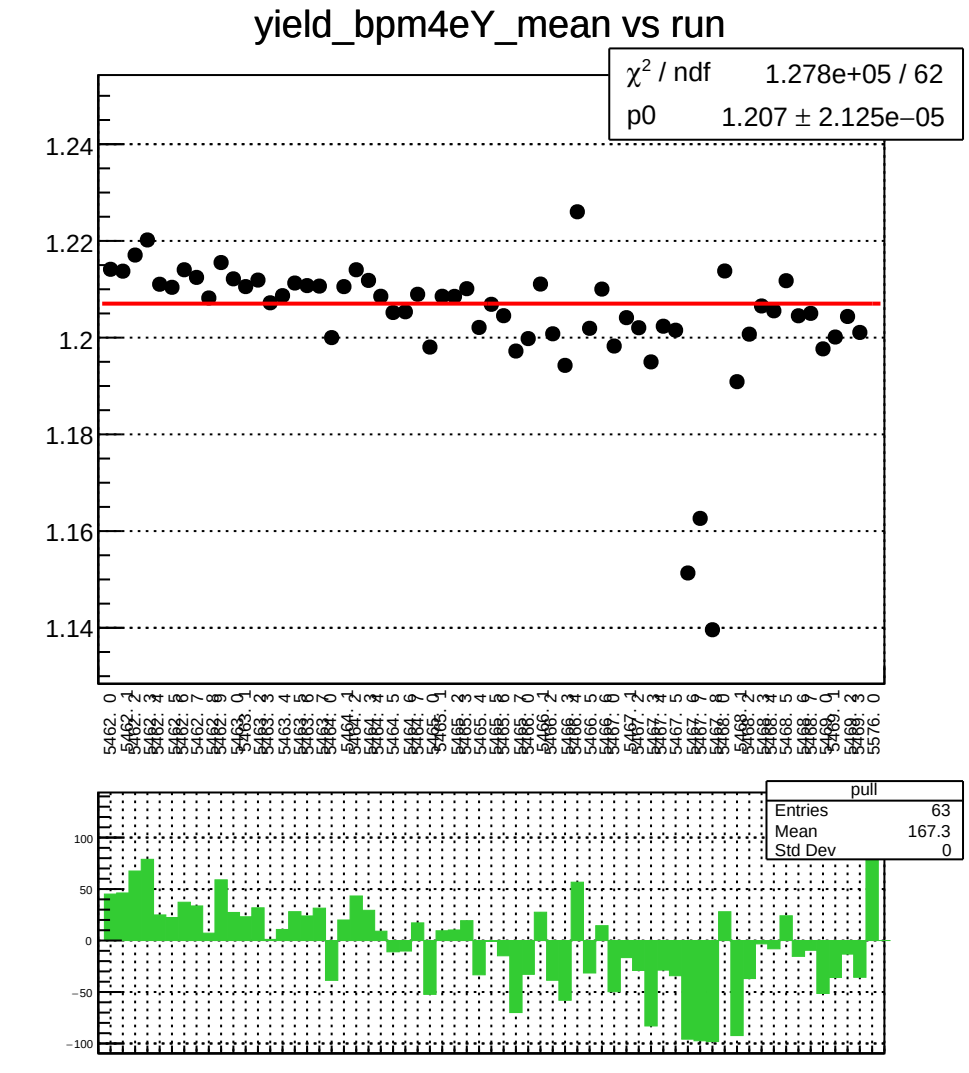

pull1D
Entries 63
Mean −0.928
Std Dev 4.623
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

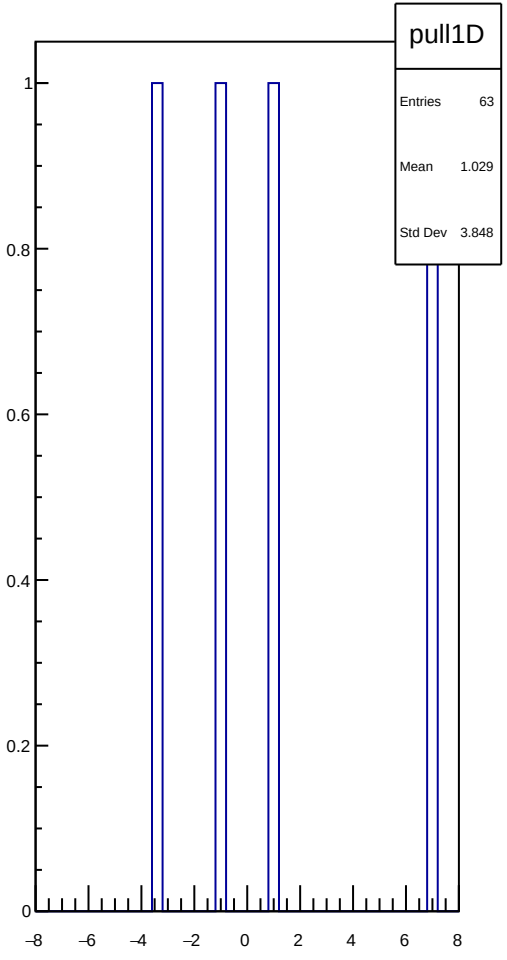

yield_bpm4aY_rms vs run
χ² / ndf 6.614e+04 / 62
p0 0.01866 ± 1.744e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

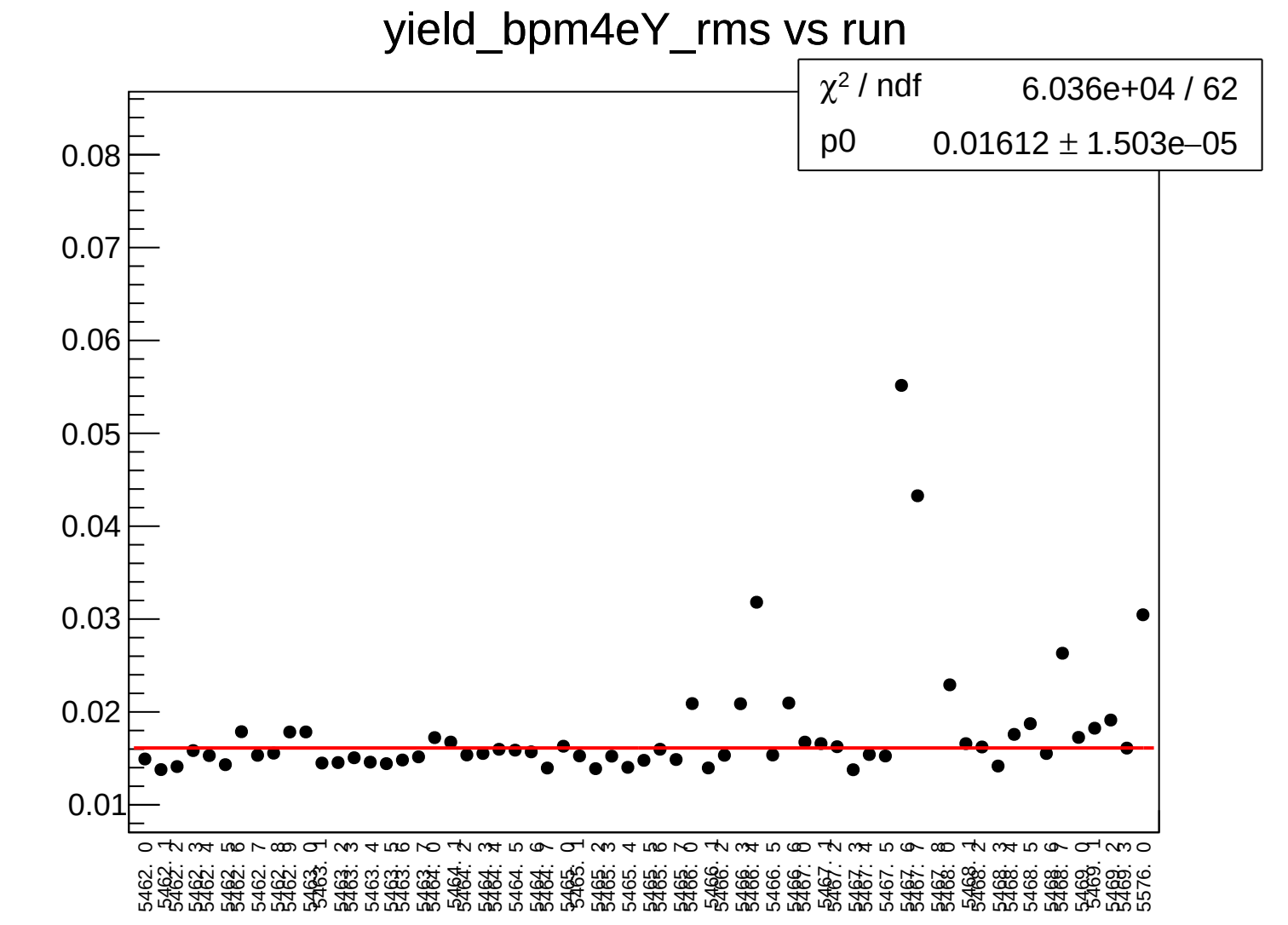

yield_bpm4eX_mean vs run
χ² / ndf 3.511e+06 / 62
p0 0.163 ± 8.838e−05
pull
Entries 63
Mean 15.74
Std Dev 0

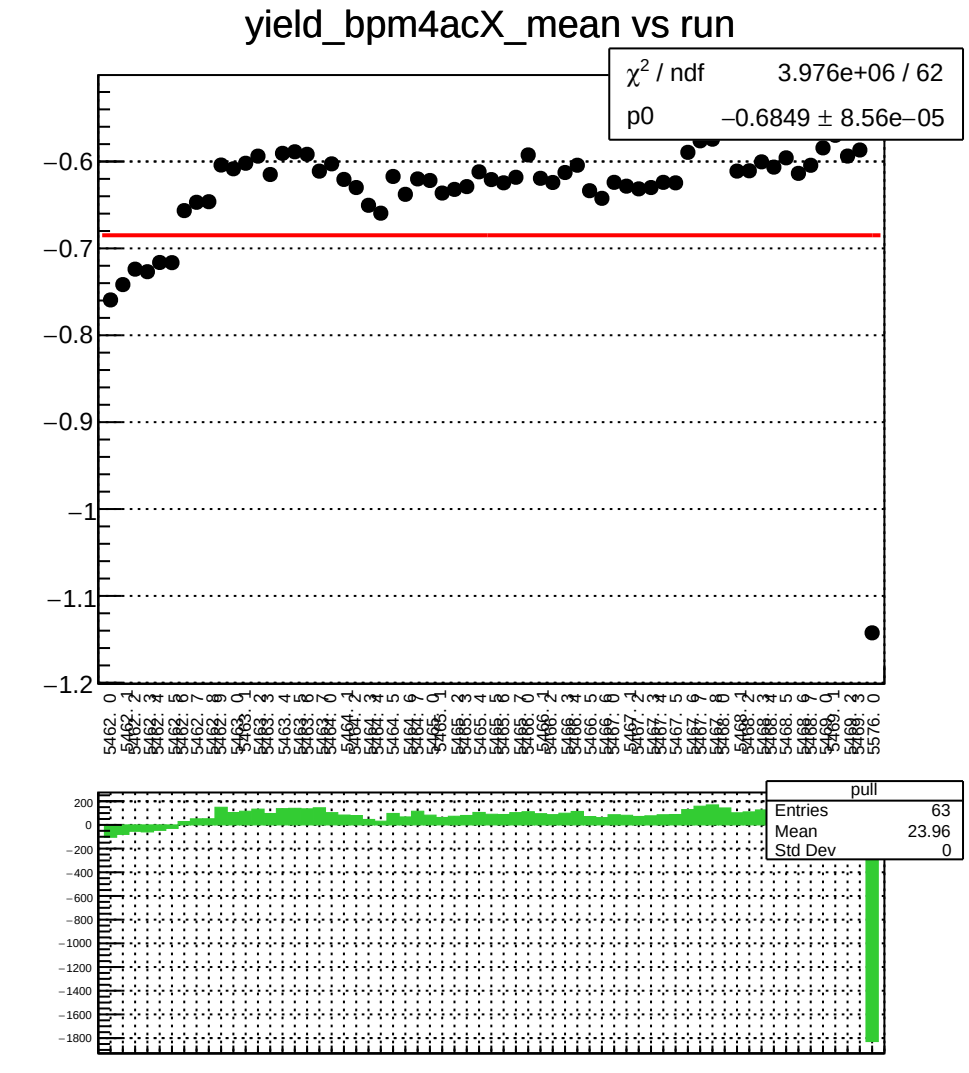

pull1D
Entries 63
Mean 0
Std Dev 0

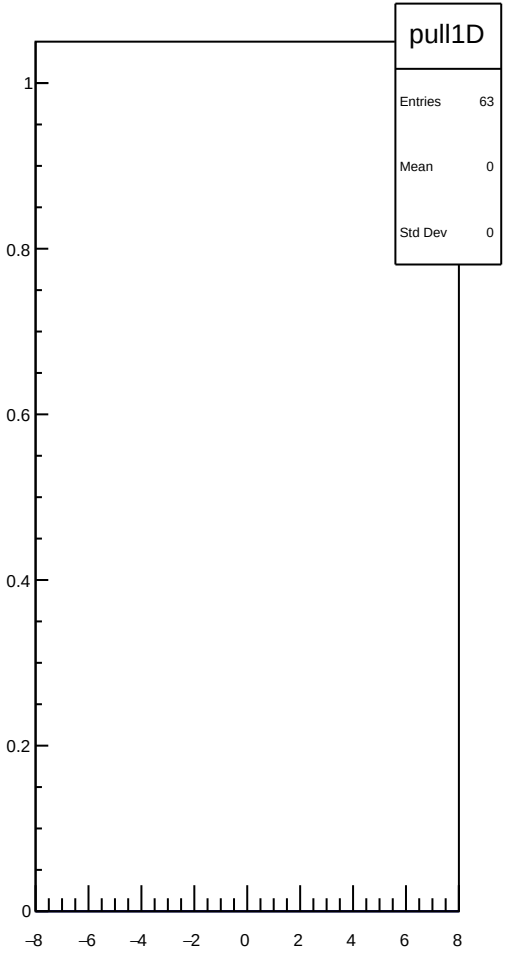

yield_bpm4eX_rms vs run
χ² / ndf 5.748e+04 / 62
p0 0.06712 ± 6.25e−05
0.12
0.1
0.08
0.06
0.04
0.02

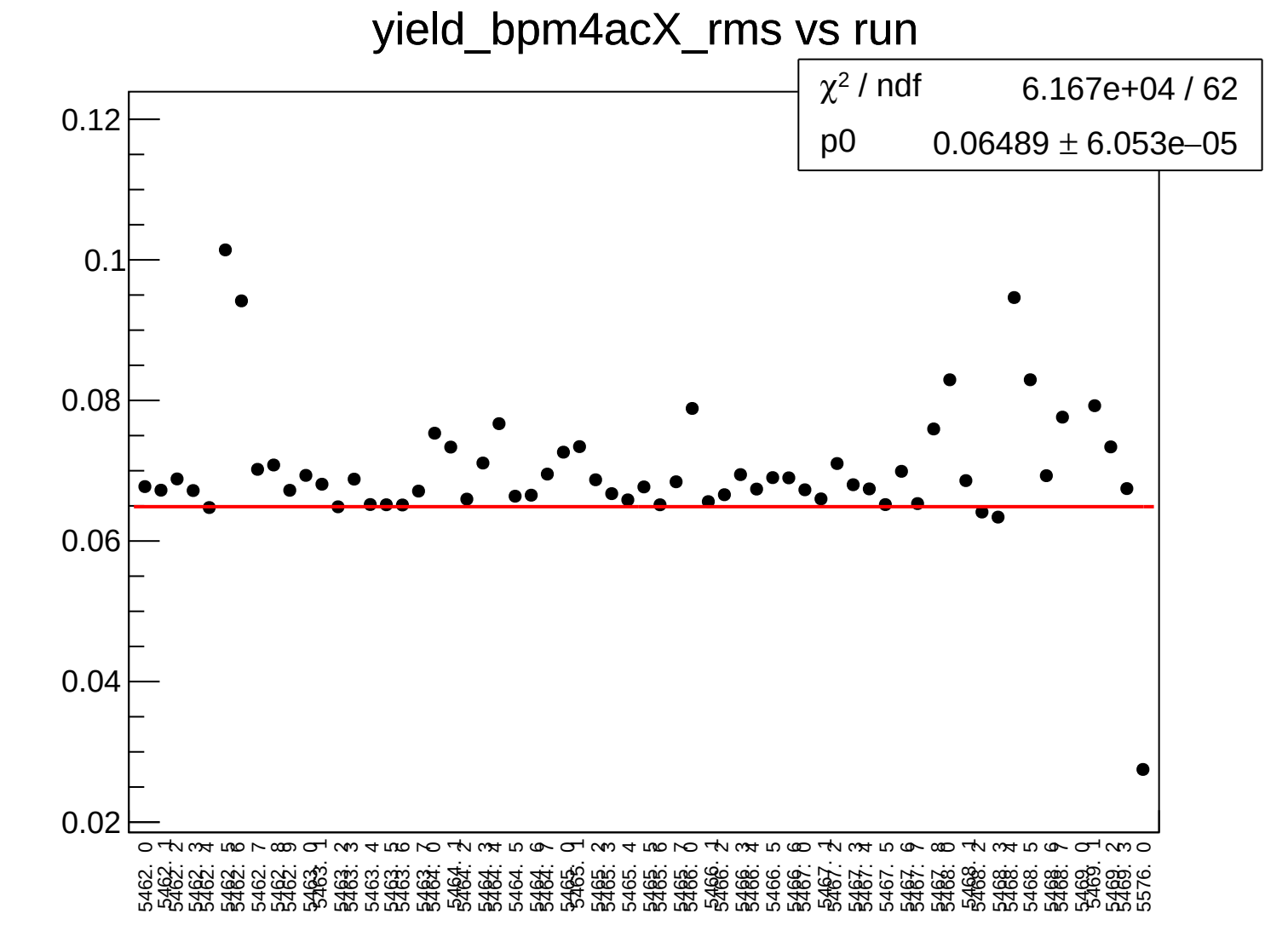

yield_bpm4eY_mean vs run
χ² / ndf 1.278e+05 / 62
p0 1.207 ± 2.125e−05
1.24
1.22
1.2
1.18
1.16
1.14
pull
Entries 63
Mean 167.3
Std Dev 0
100
50
0
−50
−100

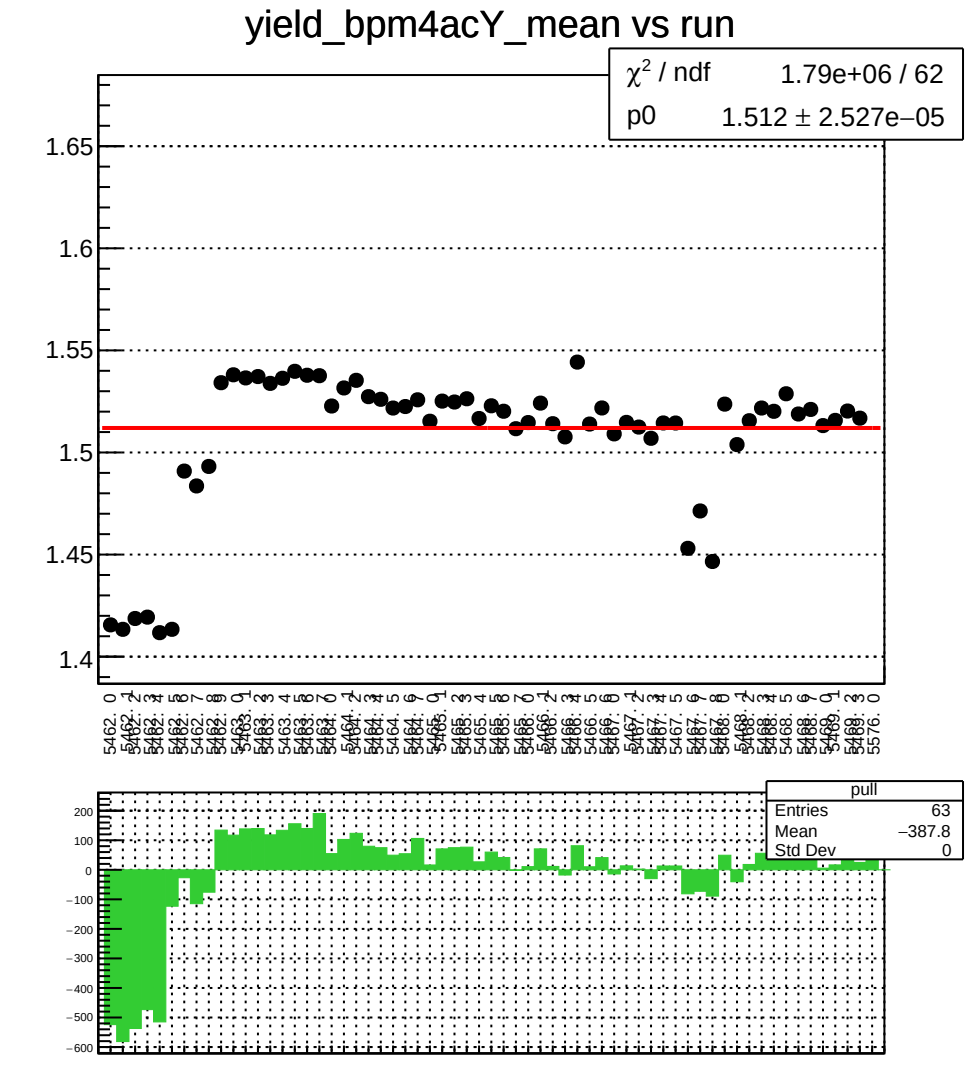

pull1D
Entries 63
Mean 1.029
Std Dev 3.848
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

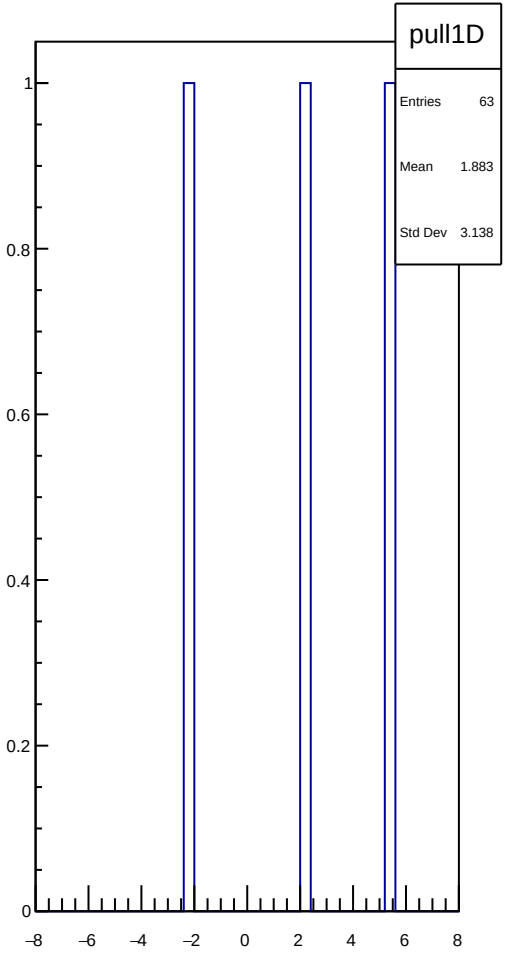

yield_bpm4eY_rms vs run
χ² / ndf 6.036e+04 / 62
p0 0.01612 ± 1.503e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

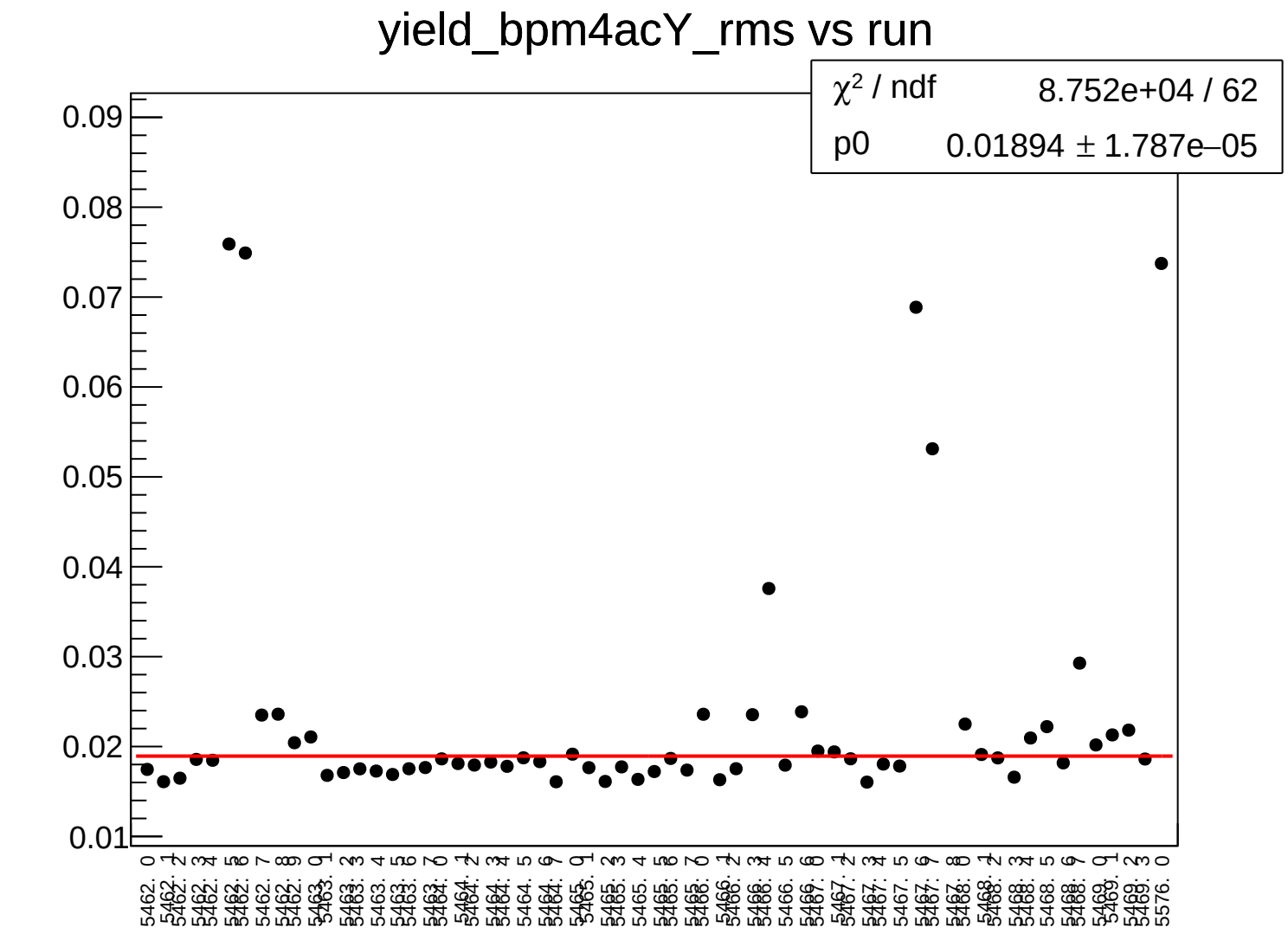

yield_bpm4acX_mean vs run
χ² / ndf 3.976e+06 / 62
p0 −0.6849 ± 8.56e−05
pull
Entries 63
Mean 23.96
Std Dev 0

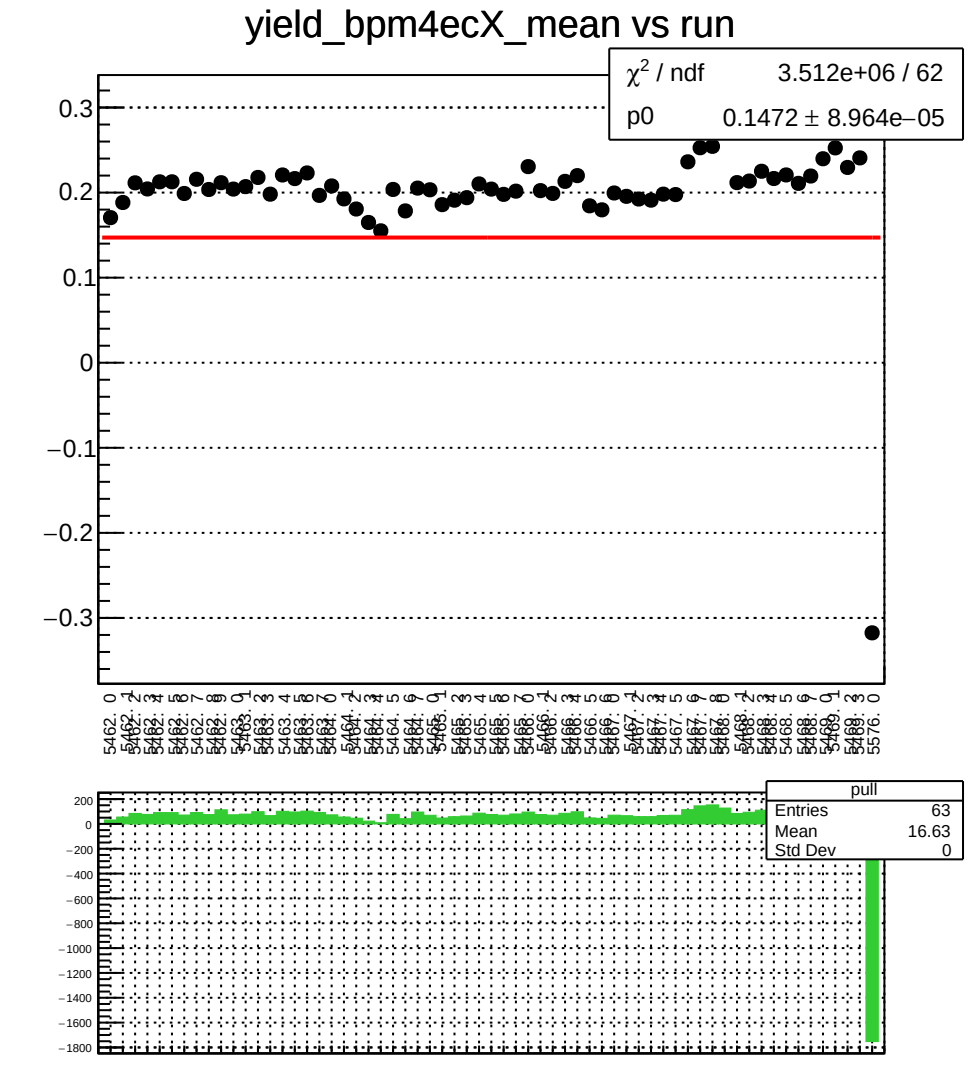

pull1D
Entries 63
Mean 0
Std Dev 0

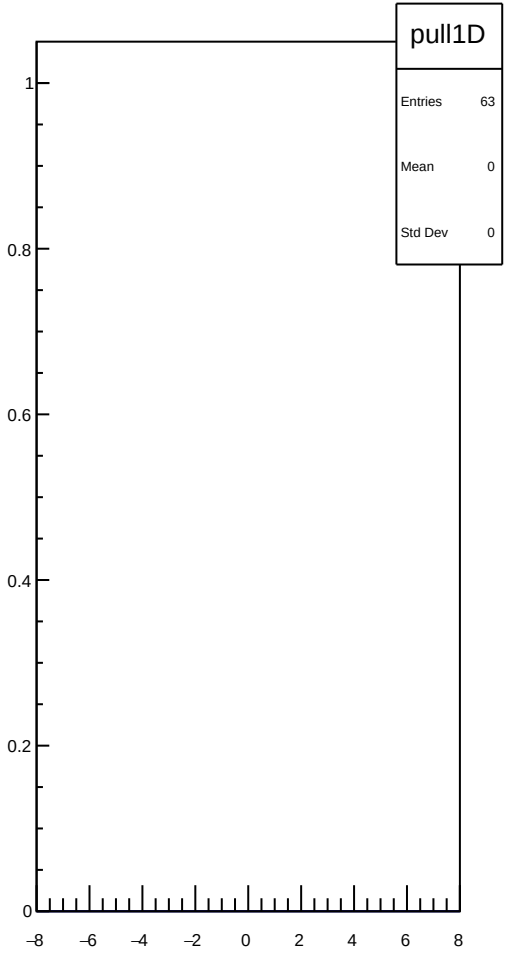

yield_bpm4acX_rms vs run
χ² / ndf 6.167e+04 / 62
p0 0.06489 ± 6.053e–05
0.12
0.1
0.08
0.06
0.04
0.02

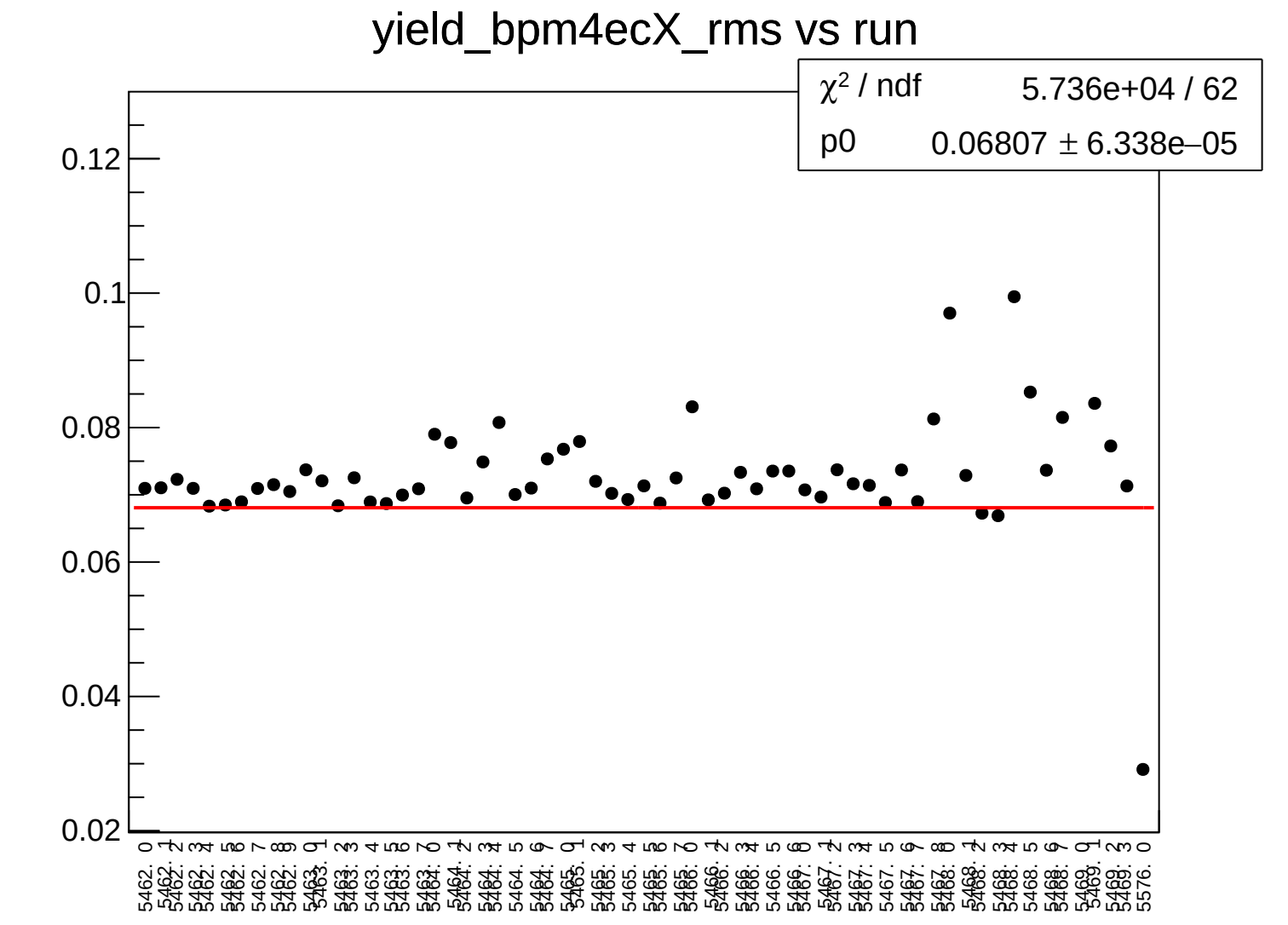

yield_bpm4acY_mean vs run
χ² / ndf 1.79e+06 / 62
p0 1.512 ± 2.527e−05
1.65
1.6
1.55
1.5
1.45
1.4
pull
Entries 63
Mean −387.8
Std Dev 0
200
100
0
−100
−200
−300
−400
−500
−600

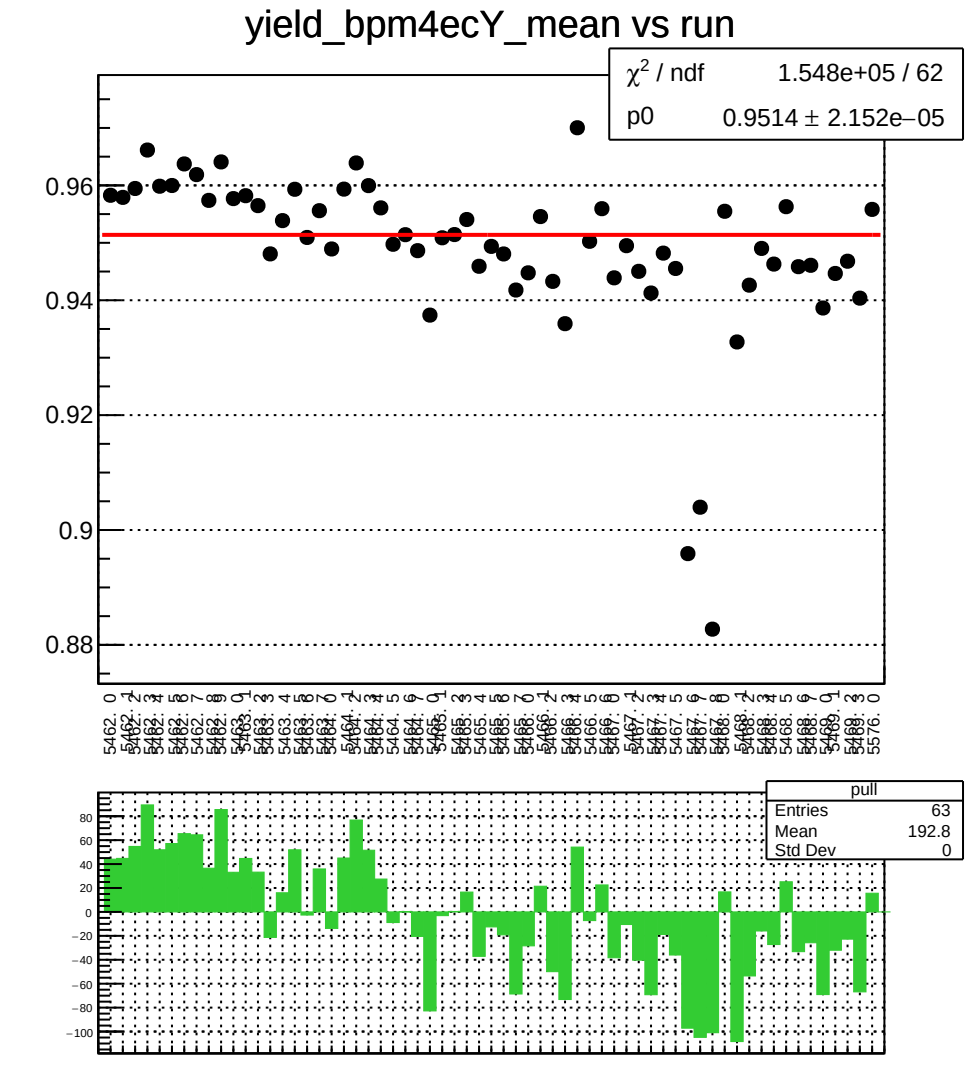

pull1D
Entries 63
Mean 1.883
Std Dev 3.138
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

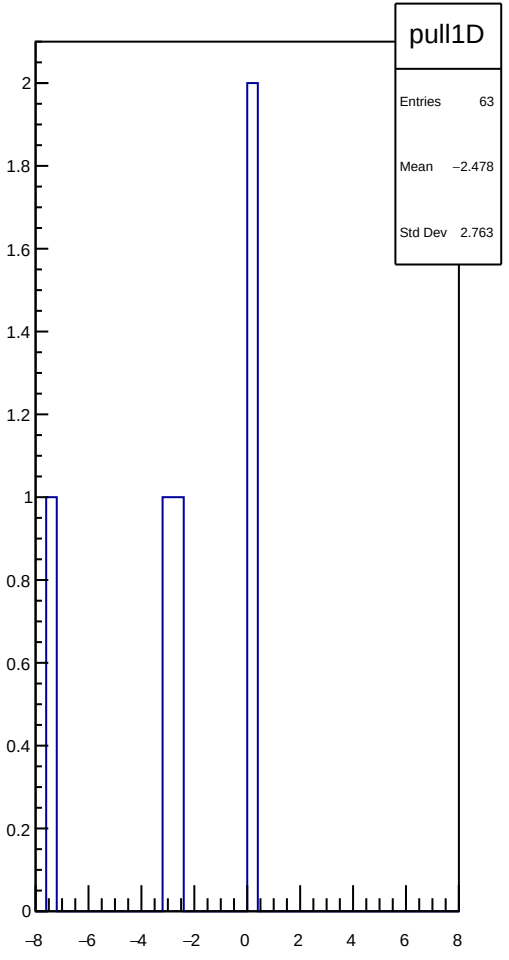

yield_bpm4acY_rms vs run
χ² / ndf 8.752e+04 / 62
p0 0.01894 ± 1.787e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

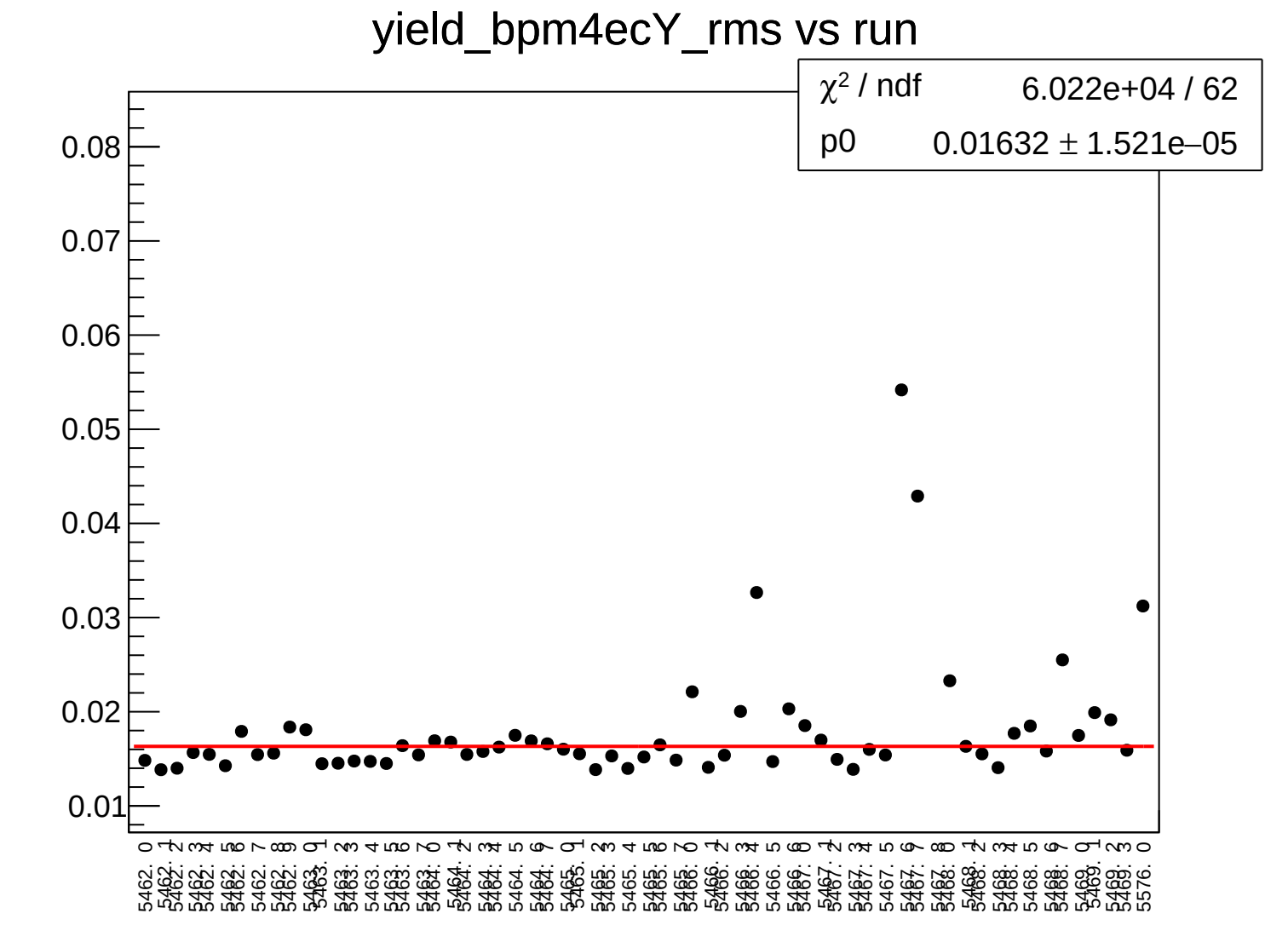

yield_bpm4ecX_mean vs run
χ² / ndf 3.512e+06 / 62
p0 0.1472 ± 8.964e−05
pull
Entries 63
Mean 16.63
Std Dev 0

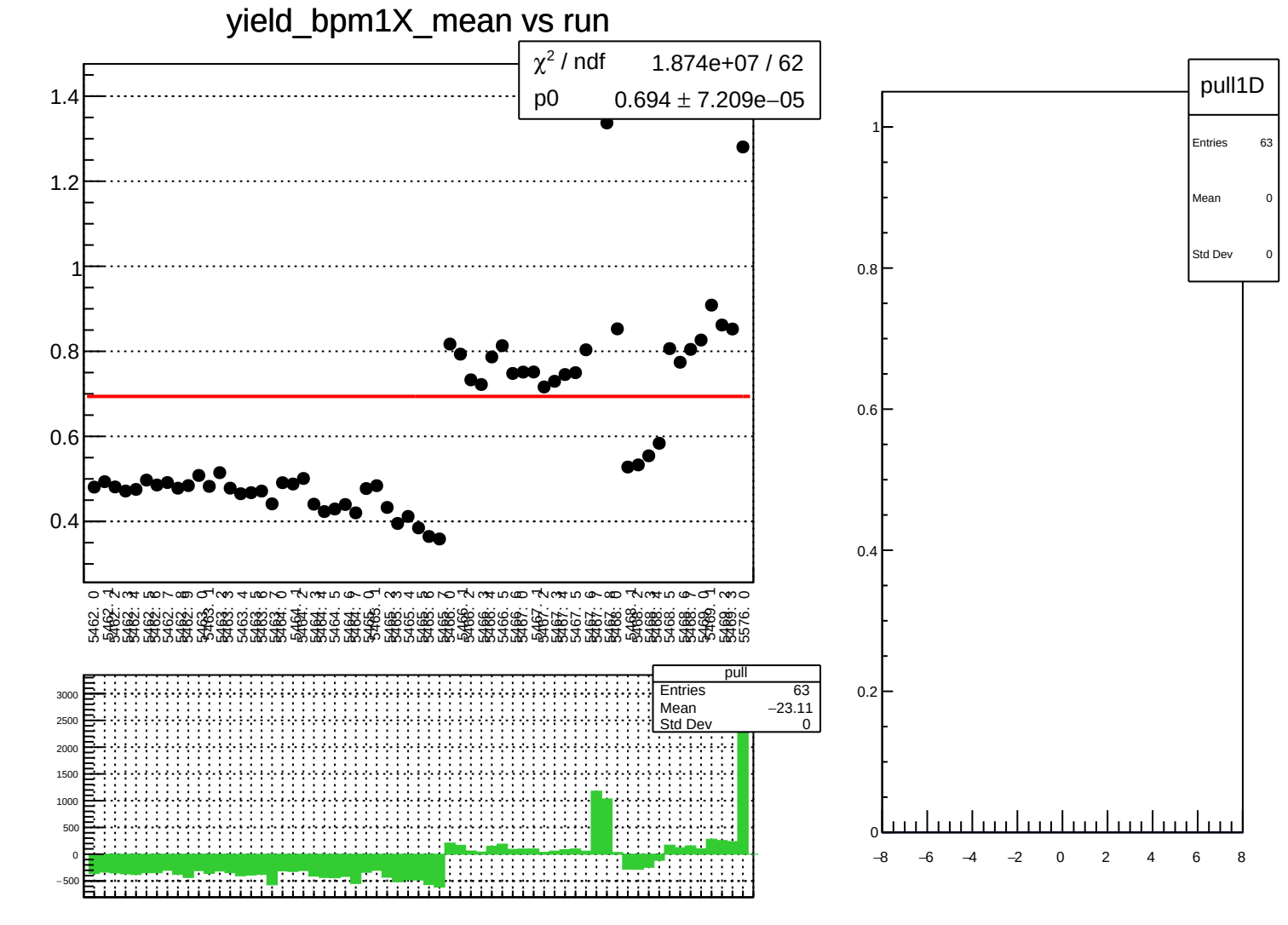

pull1D
Entries 63
Mean 0
Std Dev 0

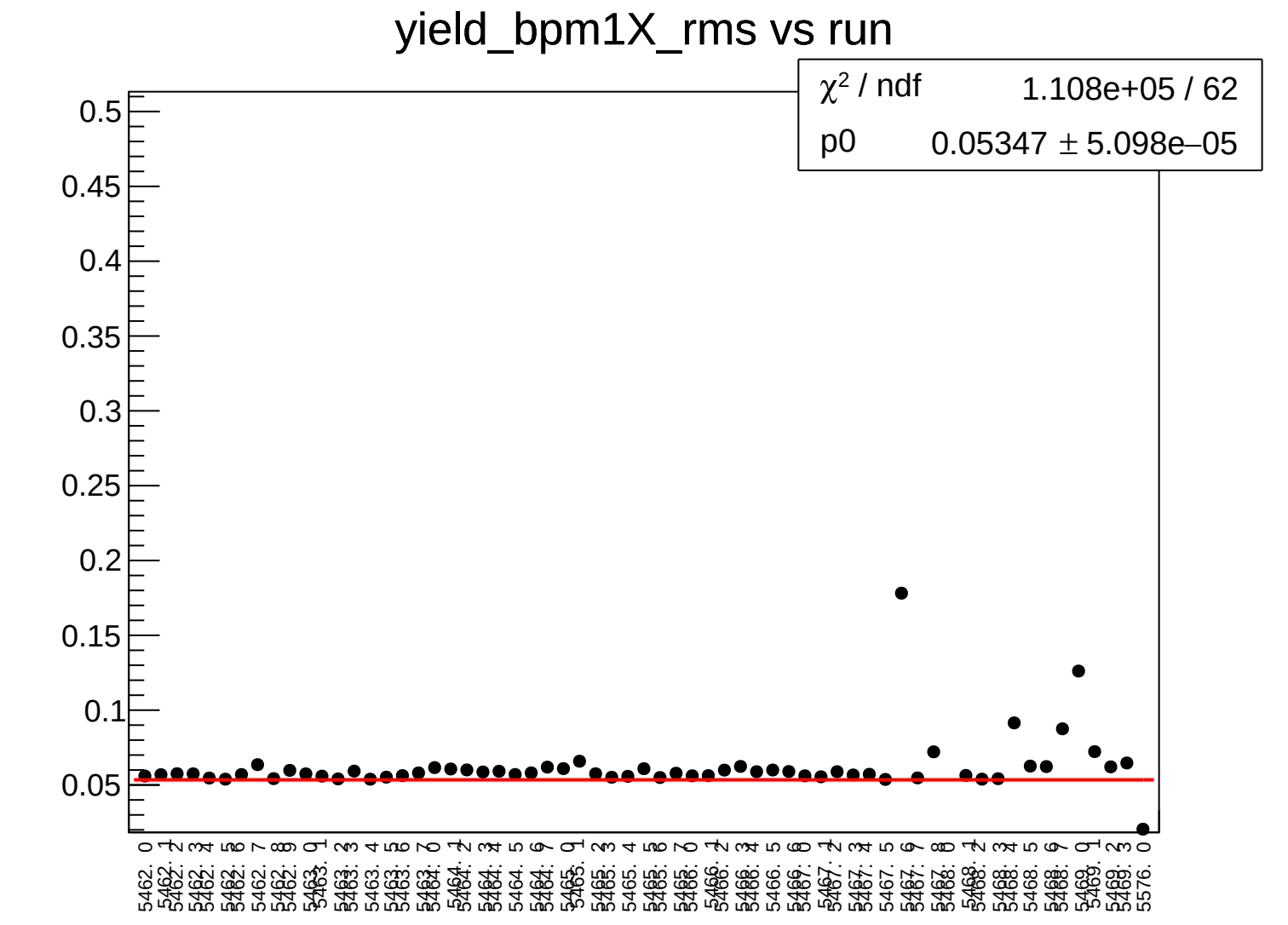

yield_bpm4ecX_rms vs run
χ² / ndf 5.736e+04 / 62
p0 0.06807 ± 6.338e–05
0.12
0.1
0.08
0.06
0.04
0.02

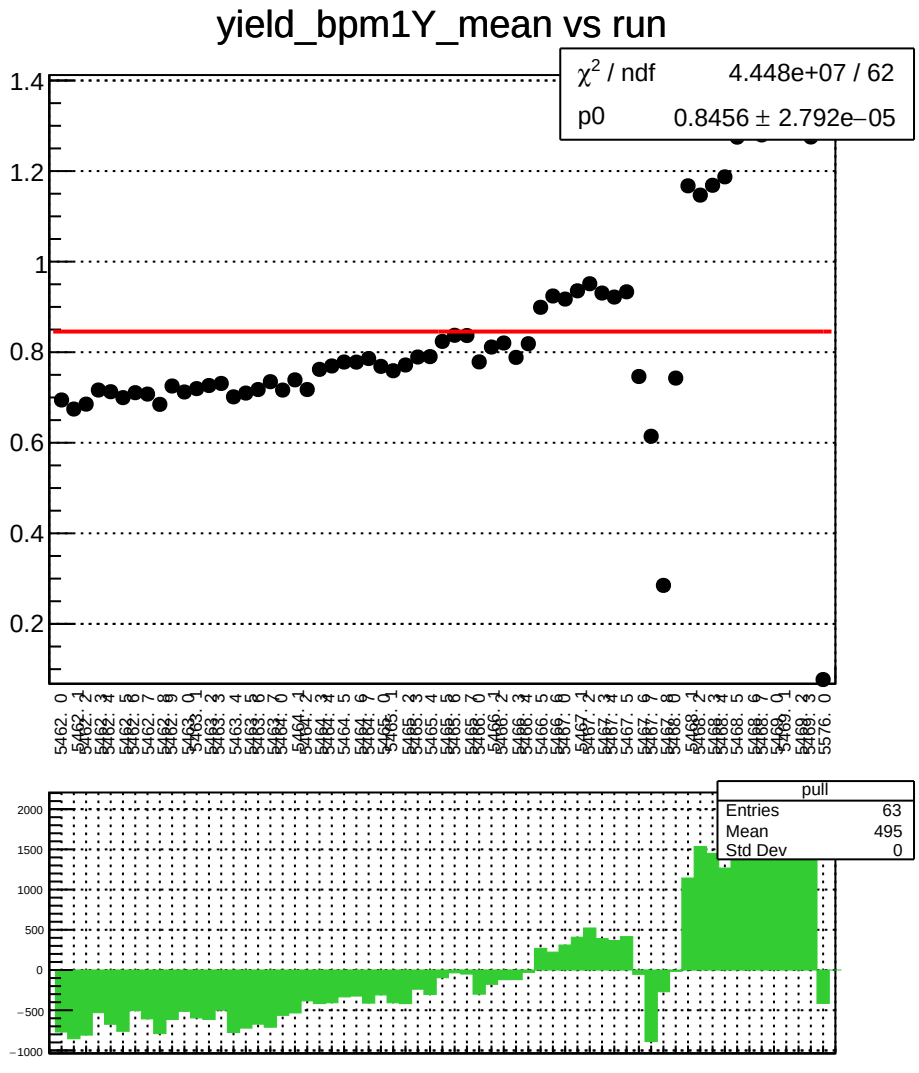

yield_bpm4ecY_mean vs run
χ² / ndf 1.548e+05 / 62
p0 0.9514 ± 2.152e−05
0.96
0.94
0.92
0.9
0.88
pull
Entries 63
Mean 192.8
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

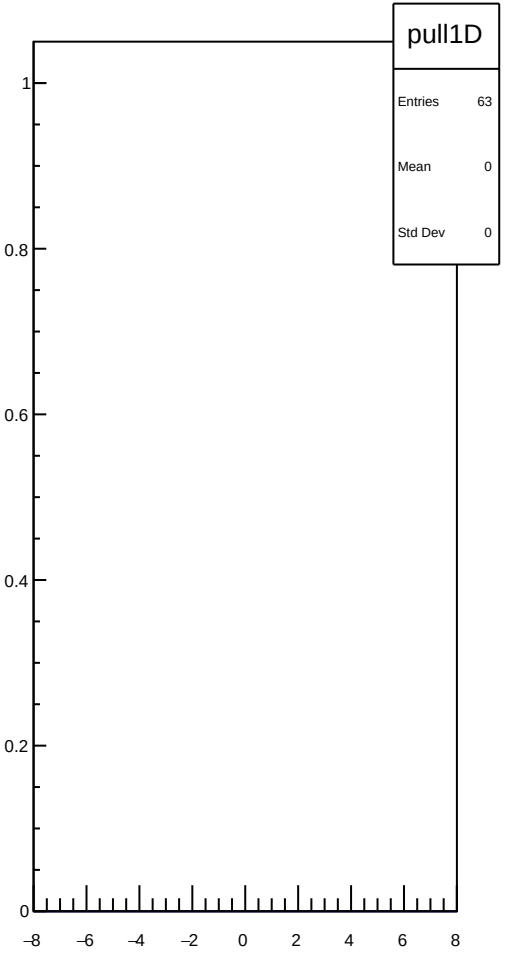

pull1D
Entries 63
Mean −2.478
Std Dev 2.763
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

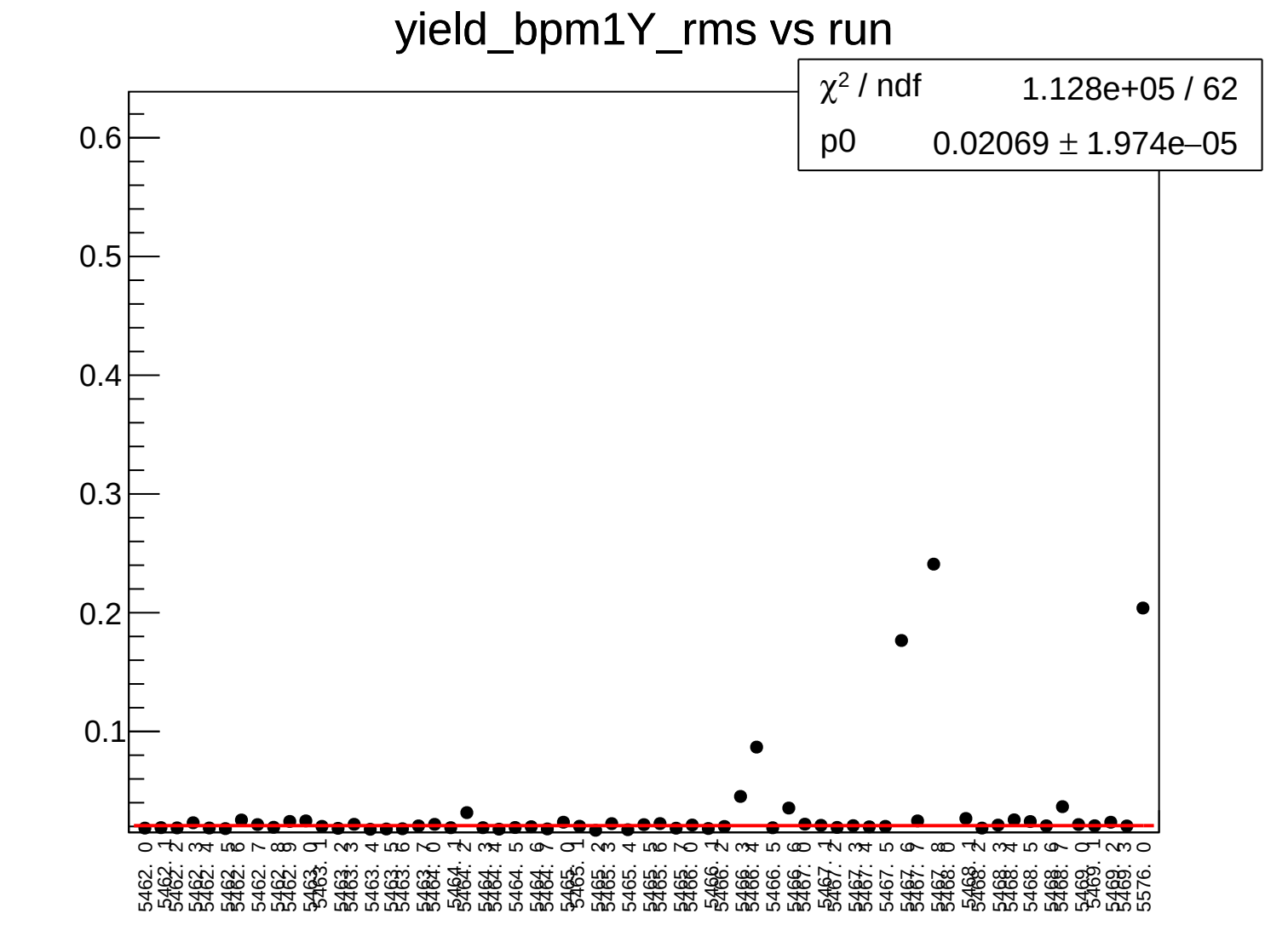

yield_bpm4ecY_rms vs run
χ² / ndf 6.022e+04 / 62
p0 0.01632 ± 1.521e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

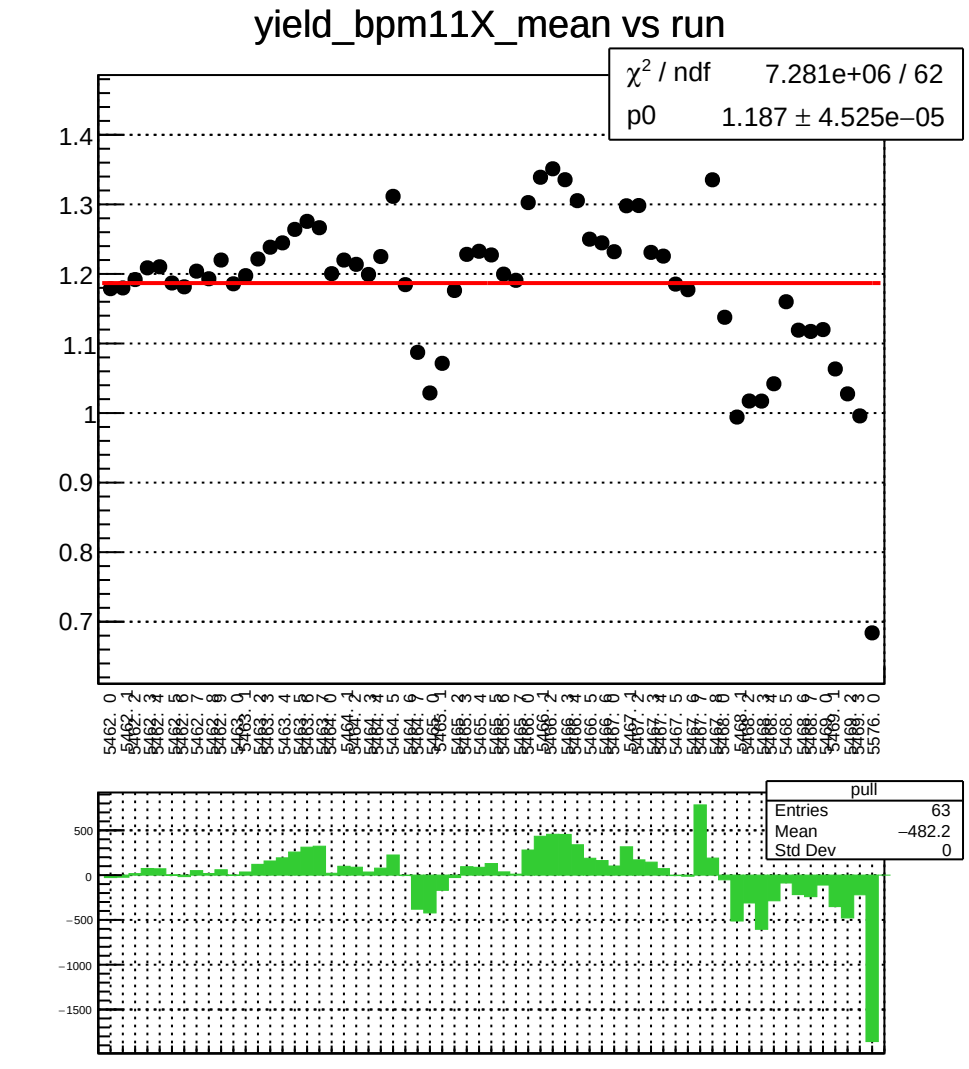

yield_bpm1X_mean vs run
χ² / ndf 1.874e+07 / 62
p0 0.694 ± 7.209e−05
pull
Entries 63
Mean −23.11
Std Dev 0
pull1D
Entries 63
Mean 0
Std Dev 0

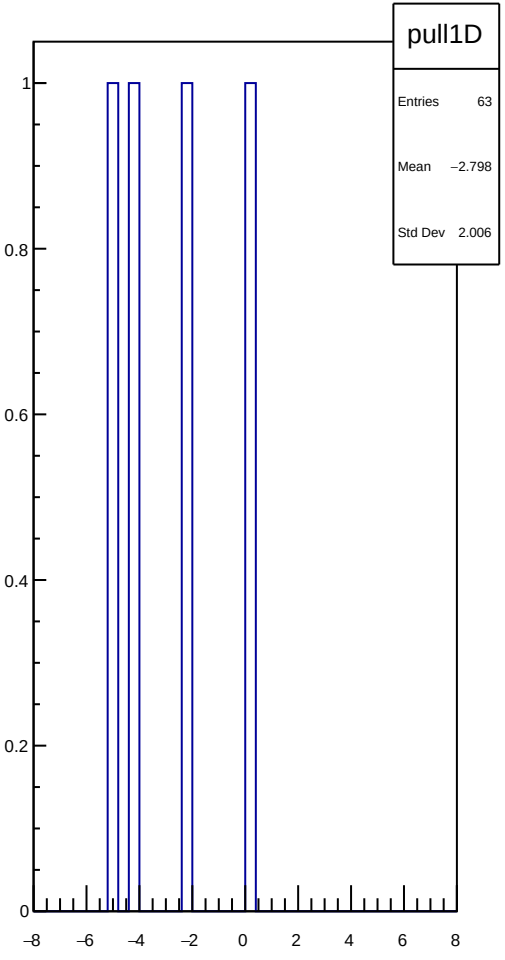

yield_bpm1X_rms vs run
χ² / ndf 1.108e+05 / 62
p0 0.05347 ± 5.098e–05
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

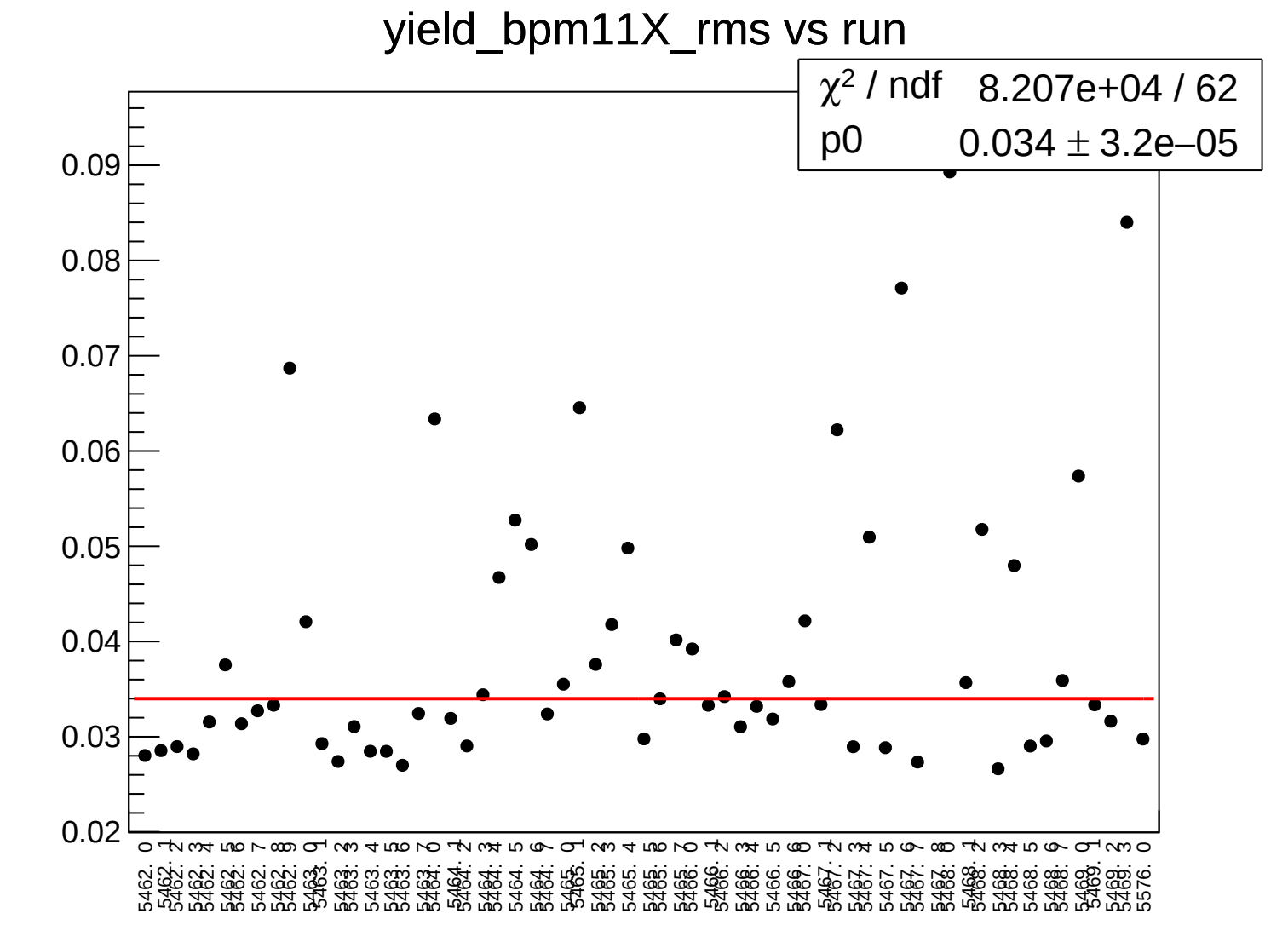

yield_bpm1Y_mean vs run
χ² / ndf 4.448e+07 / 62
p0 0.8456 ± 2.792e−05
pull
Entries 63
Mean 495
Std Dev 0

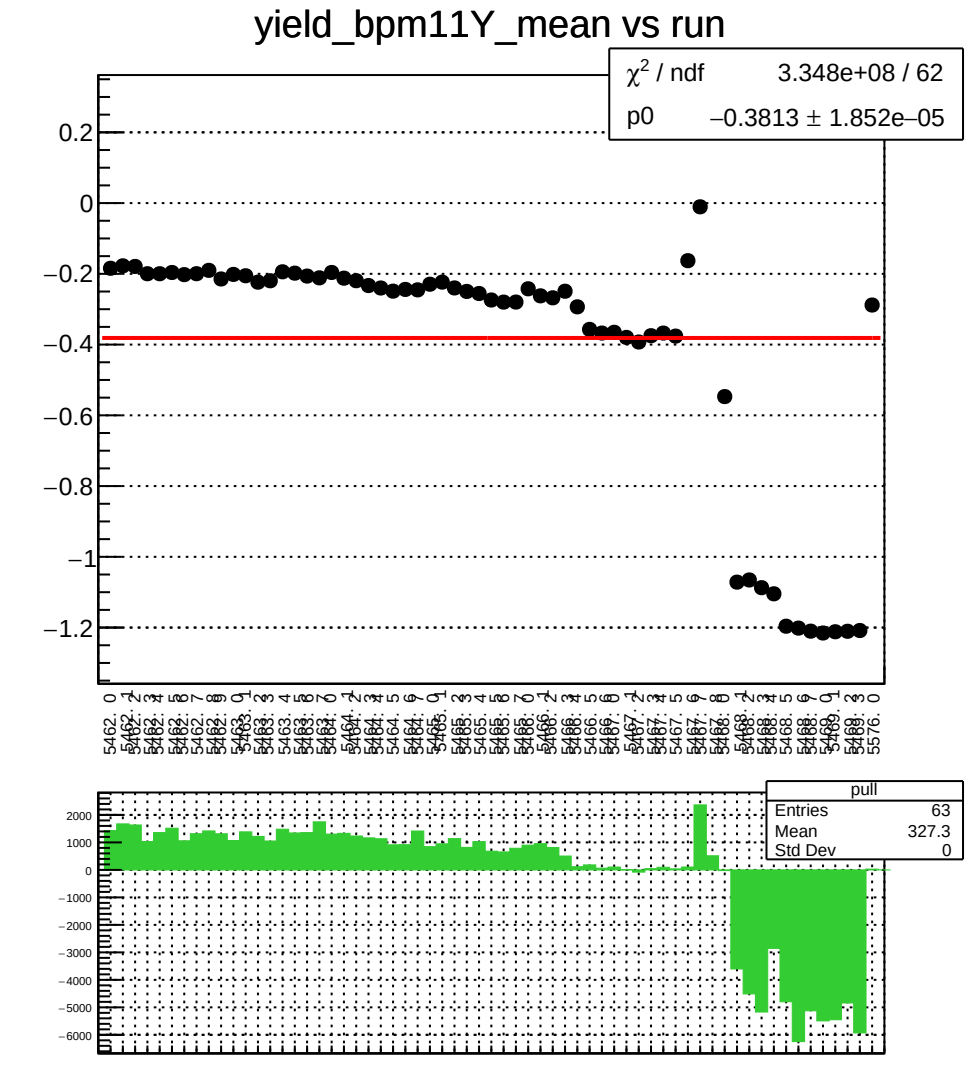

pull1D
Entries 63
Mean 0
Std Dev 0

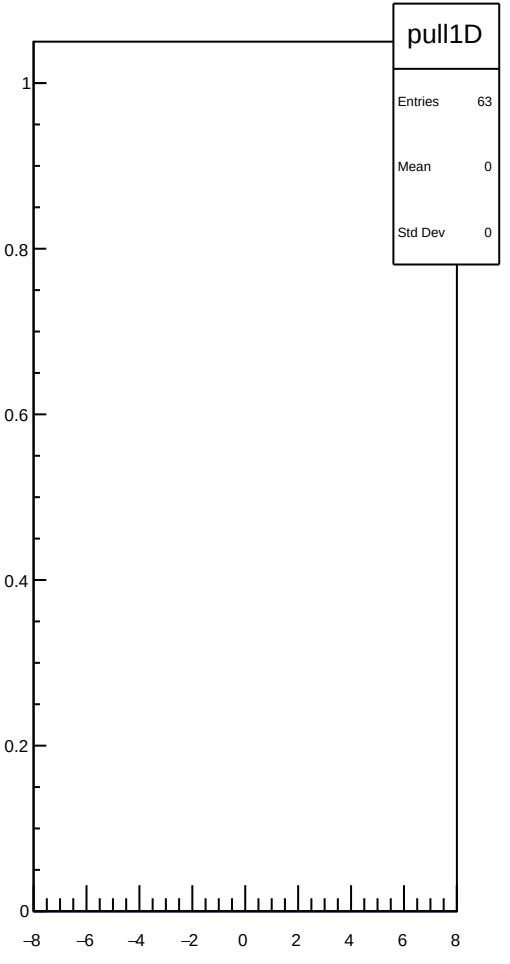

yield_bpm1Y_rms vs run
χ² / ndf 1.128e+05 / 62
p0 0.02069 ± 1.974e−05
0.6
0.5
0.4
0.3
0.2
0.1

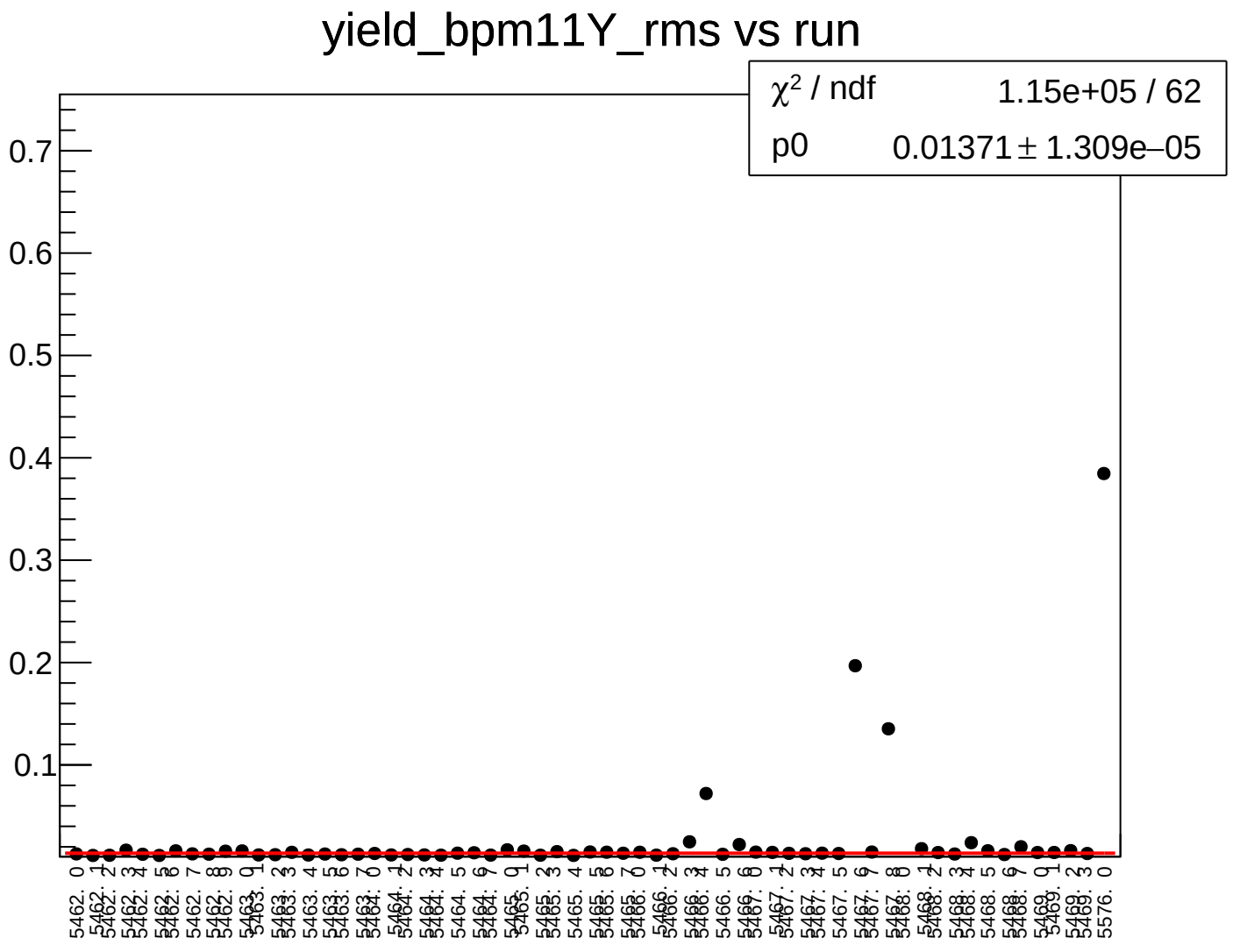

yield_bpm11X_mean vs run
χ² / ndf 7.281e+06 / 62
p0 1.187 ± 4.525e−05
pull
Entries 63
Mean −482.2
Std Dev 0

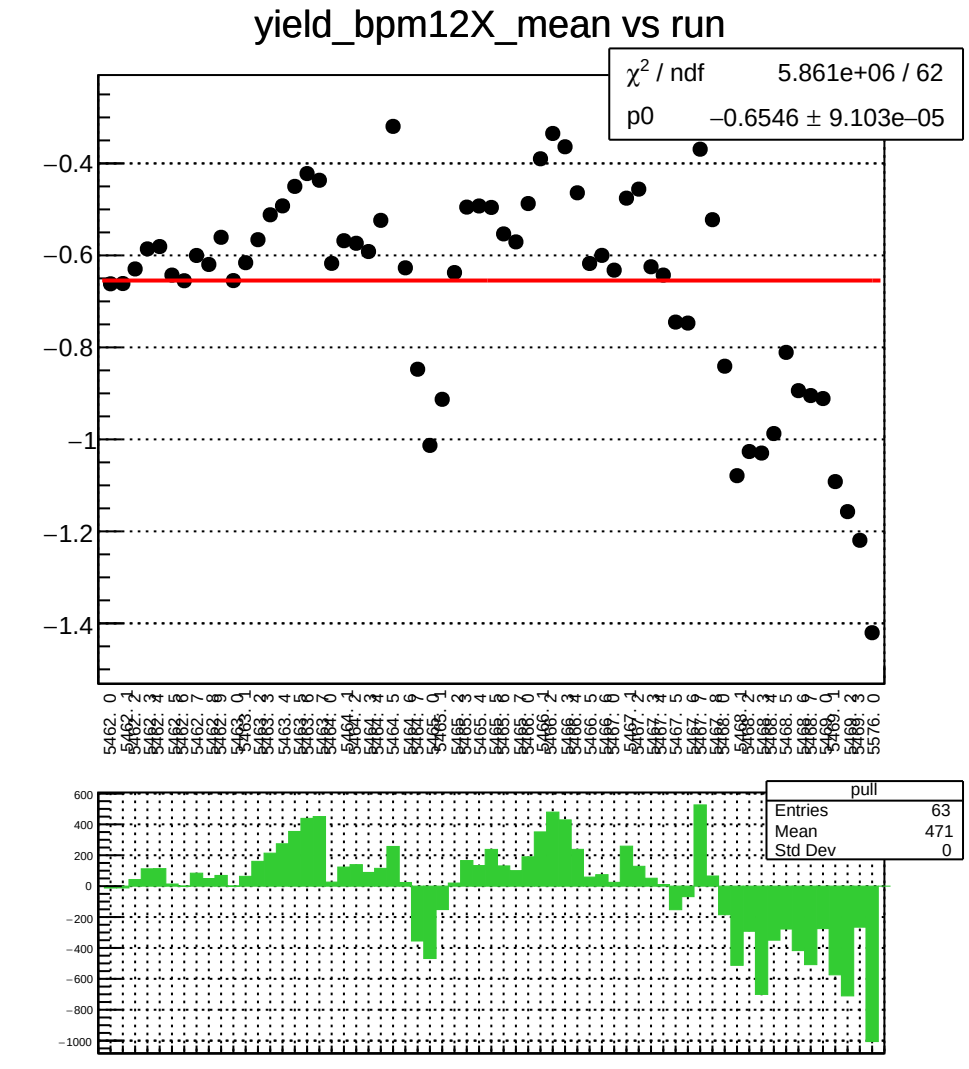

pull1D
Entries 63
Mean −2.798
Std Dev 2.006

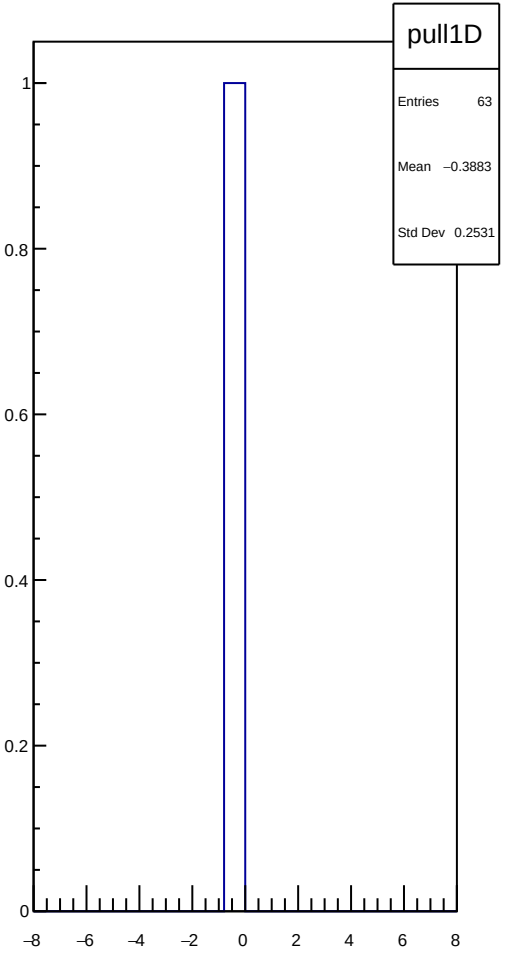

yield_bpm11X_rms vs run
χ² / ndf 8.207e+04 / 62
p0 0.034 ± 3.2e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

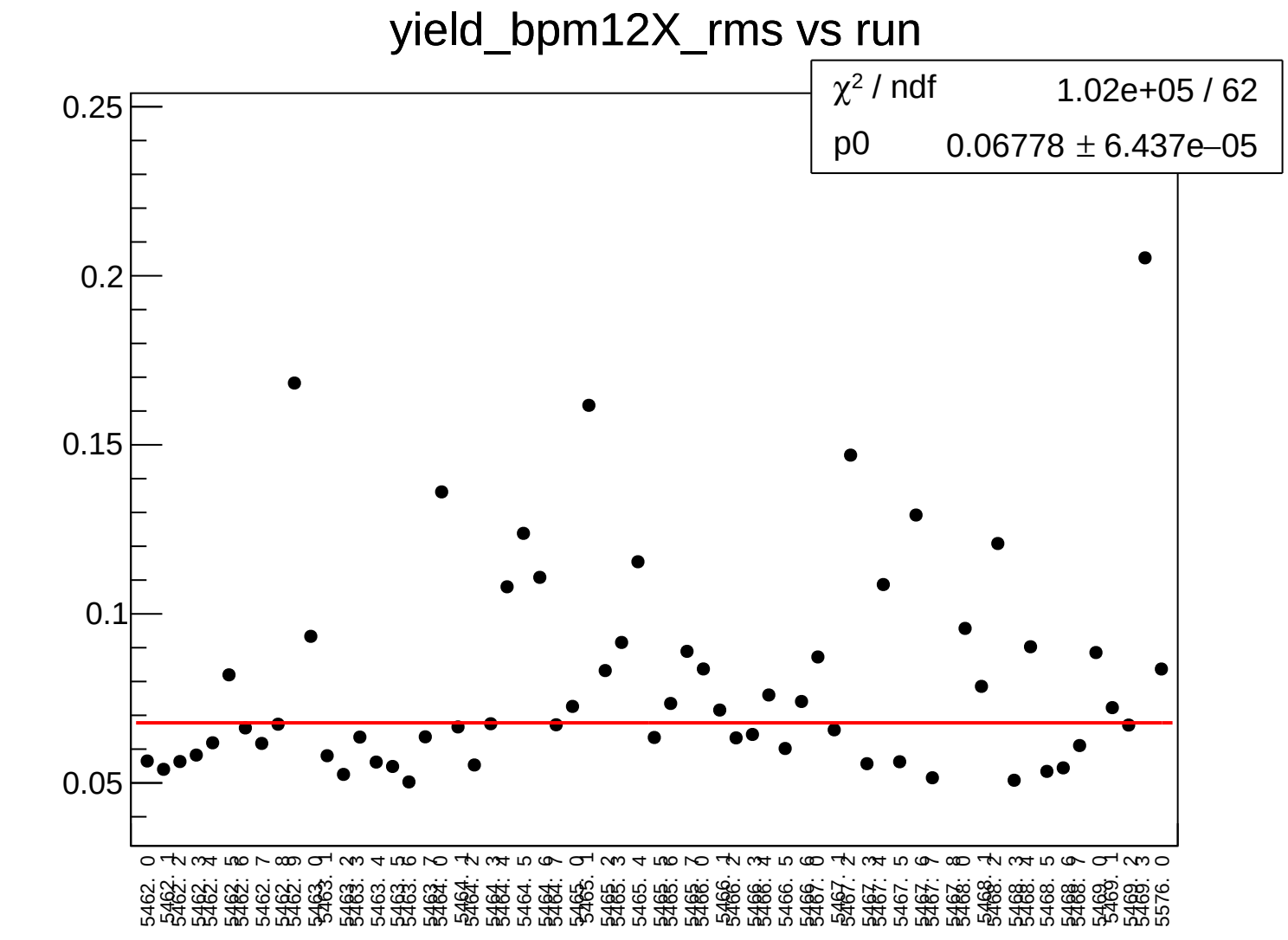

yield_bpm11Y_mean vs run
χ² / ndf 3.348e+08 / 62
p0 −0.3813 ± 1.852e−05
pull
Entries 63
Mean 327.3
Std Dev 0

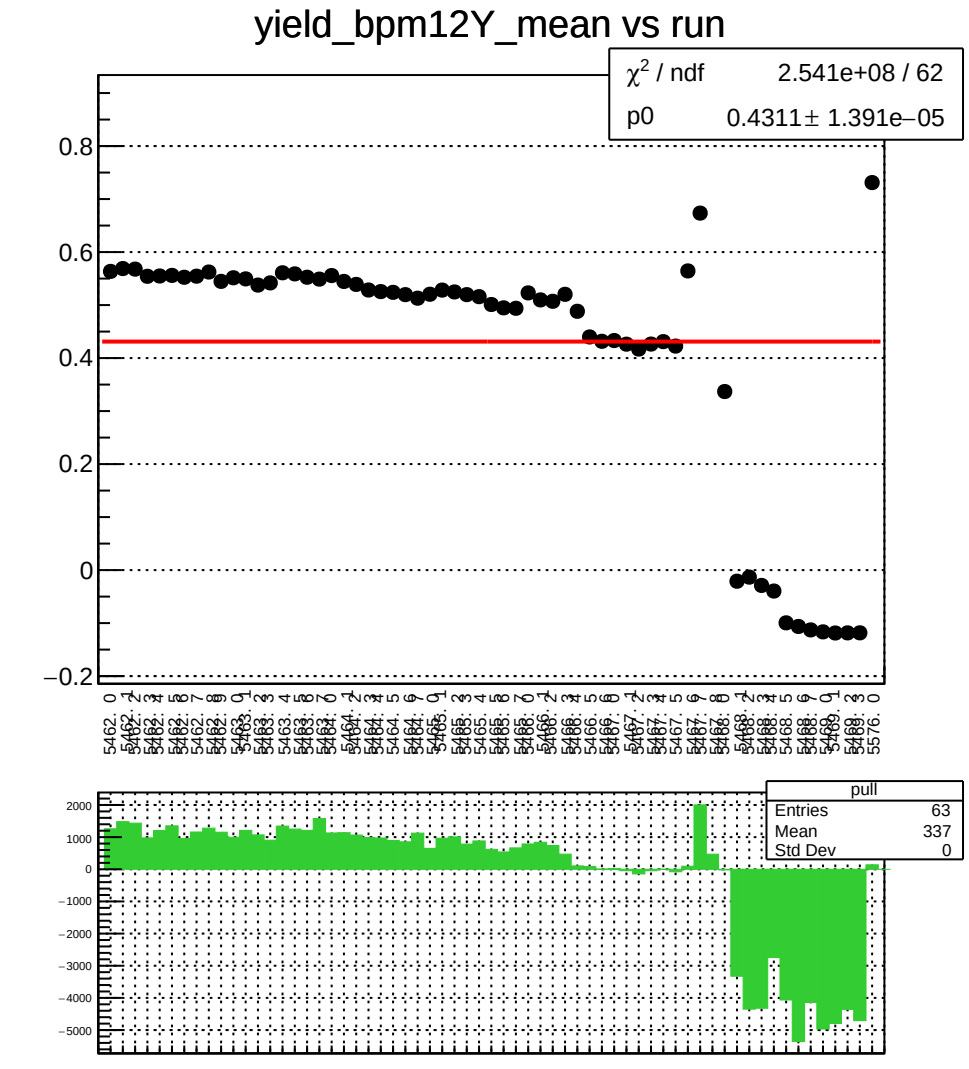

pull1D
Entries 63
Mean 0
Std Dev 0

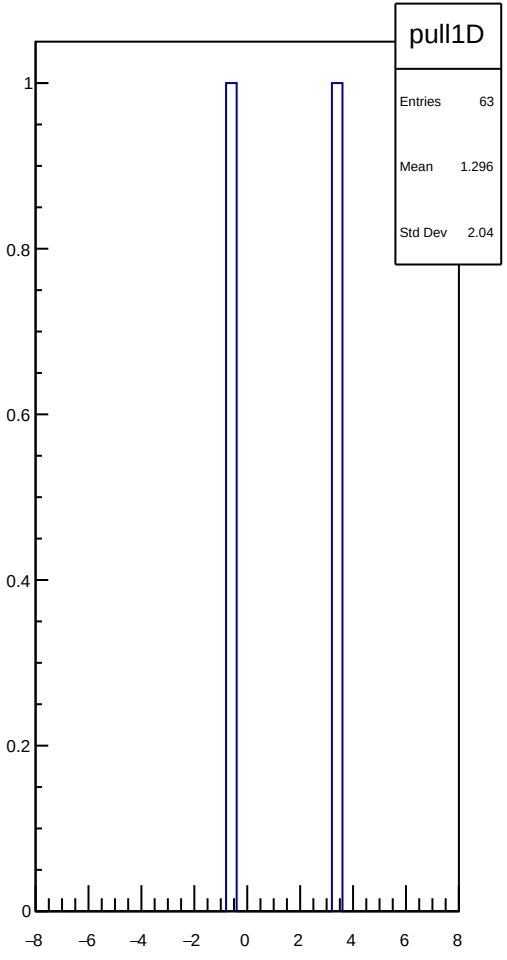

yield_bpm11Y_rms vs run
χ² / ndf 1.15e+05 / 62
p0 0.01371 ± 1.309e–05
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 1
5469. 2
5469. 3
5576. 0

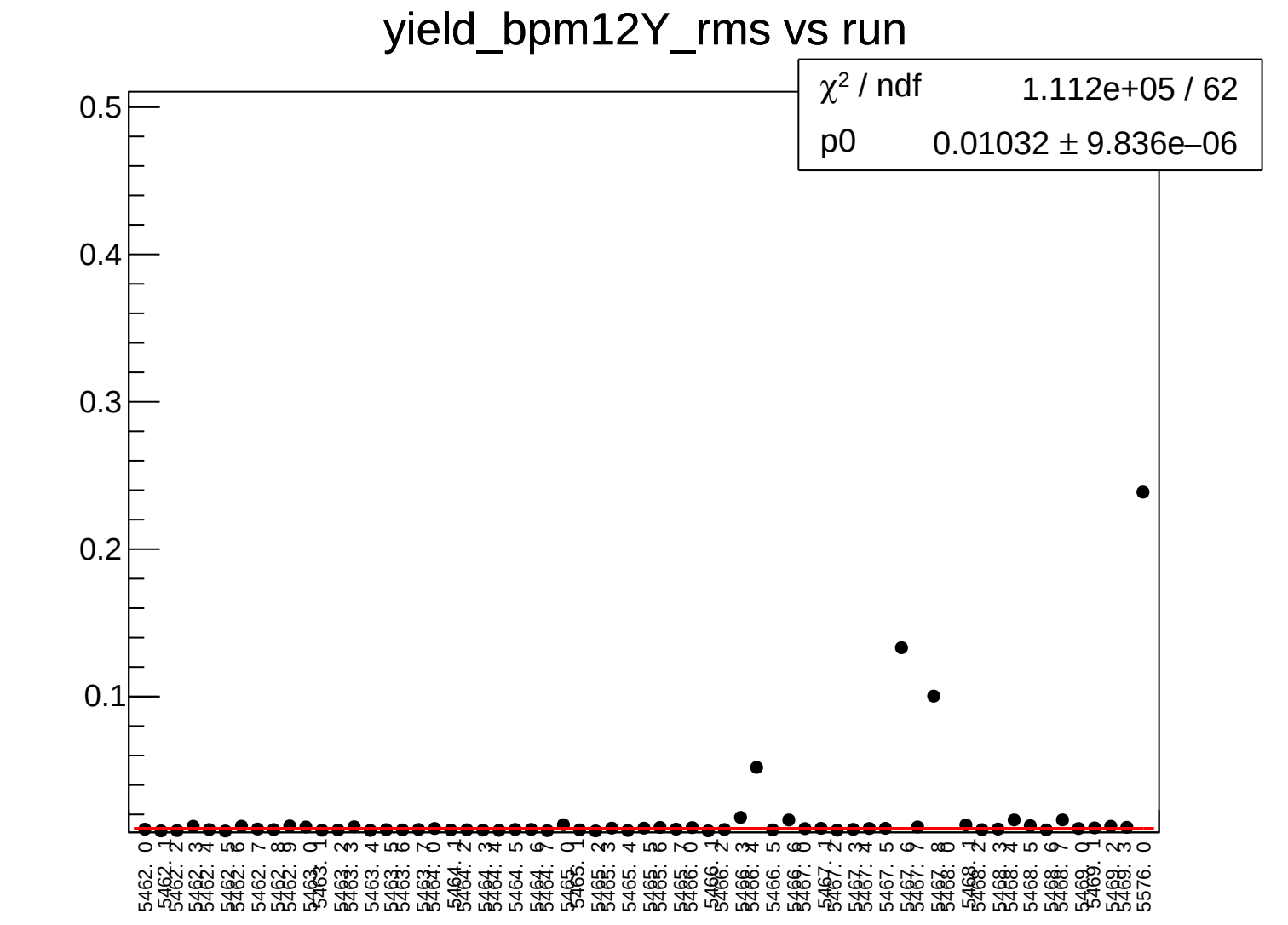

yield_bpm12X_mean vs run
χ² / ndf 5.861e+06 / 62
p0 −0.6546 ± 9.103e−05
pull
Entries 63
Mean 471
Std Dev 0

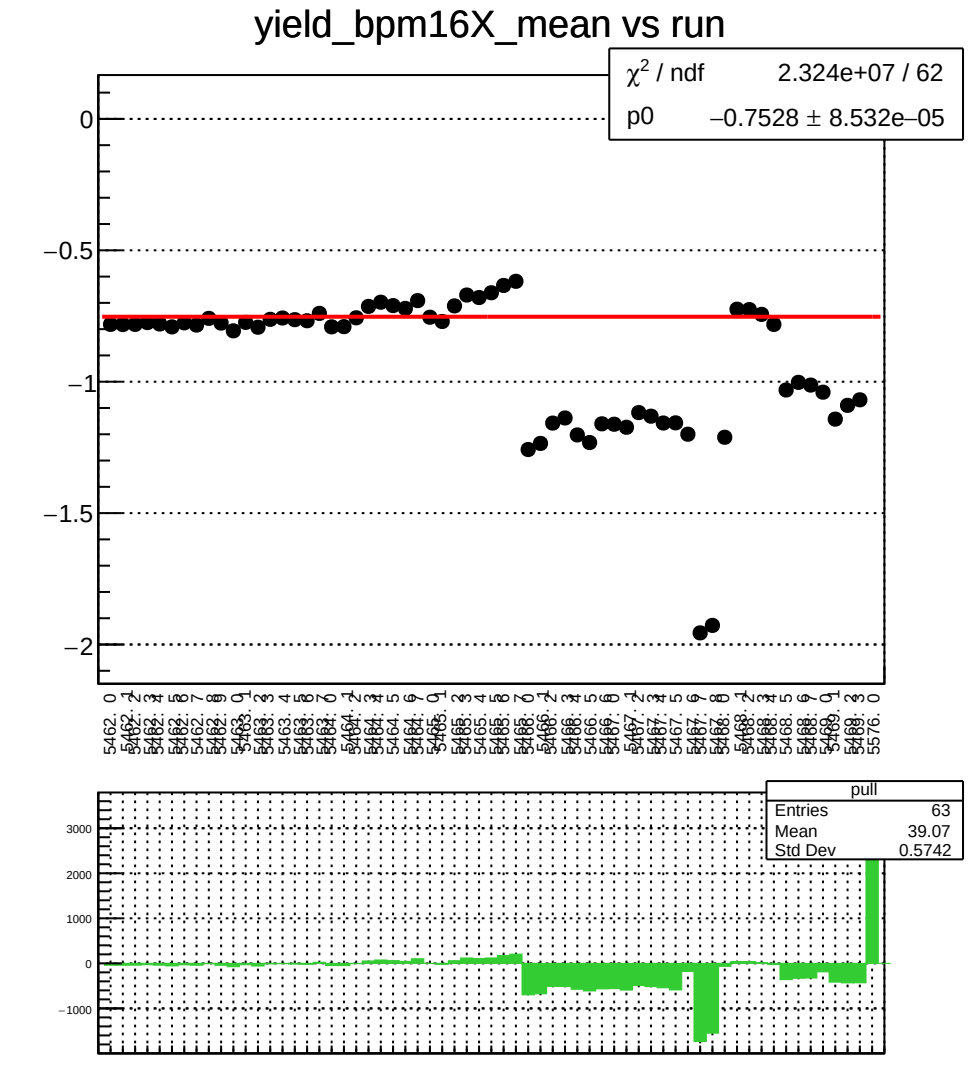

pull1D
Entries 63
Mean −0.3883
Std Dev 0.2531

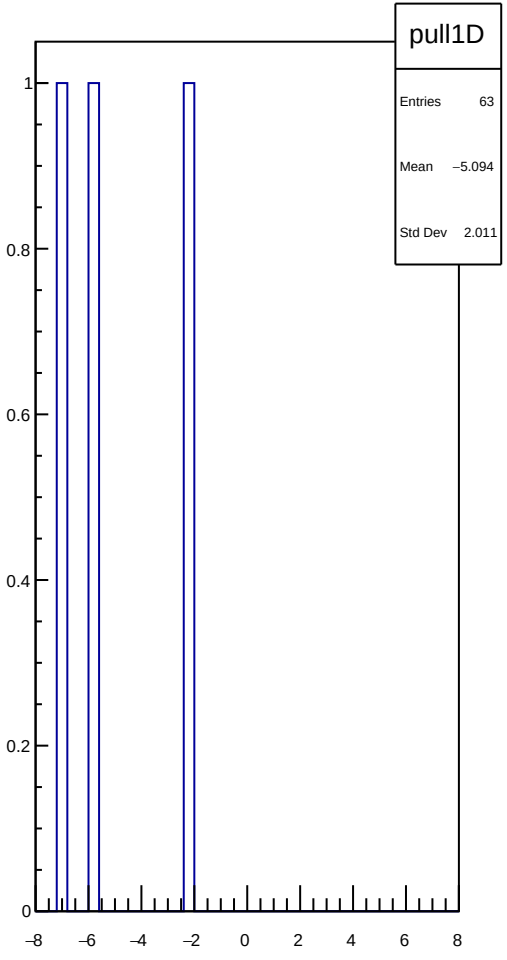

yield_bpm12X_rms vs run
χ² / ndf 1.02e+05 / 62
p0 0.06778 ± 6.437e–05
0.25
0.2
0.15
0.1
0.05
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

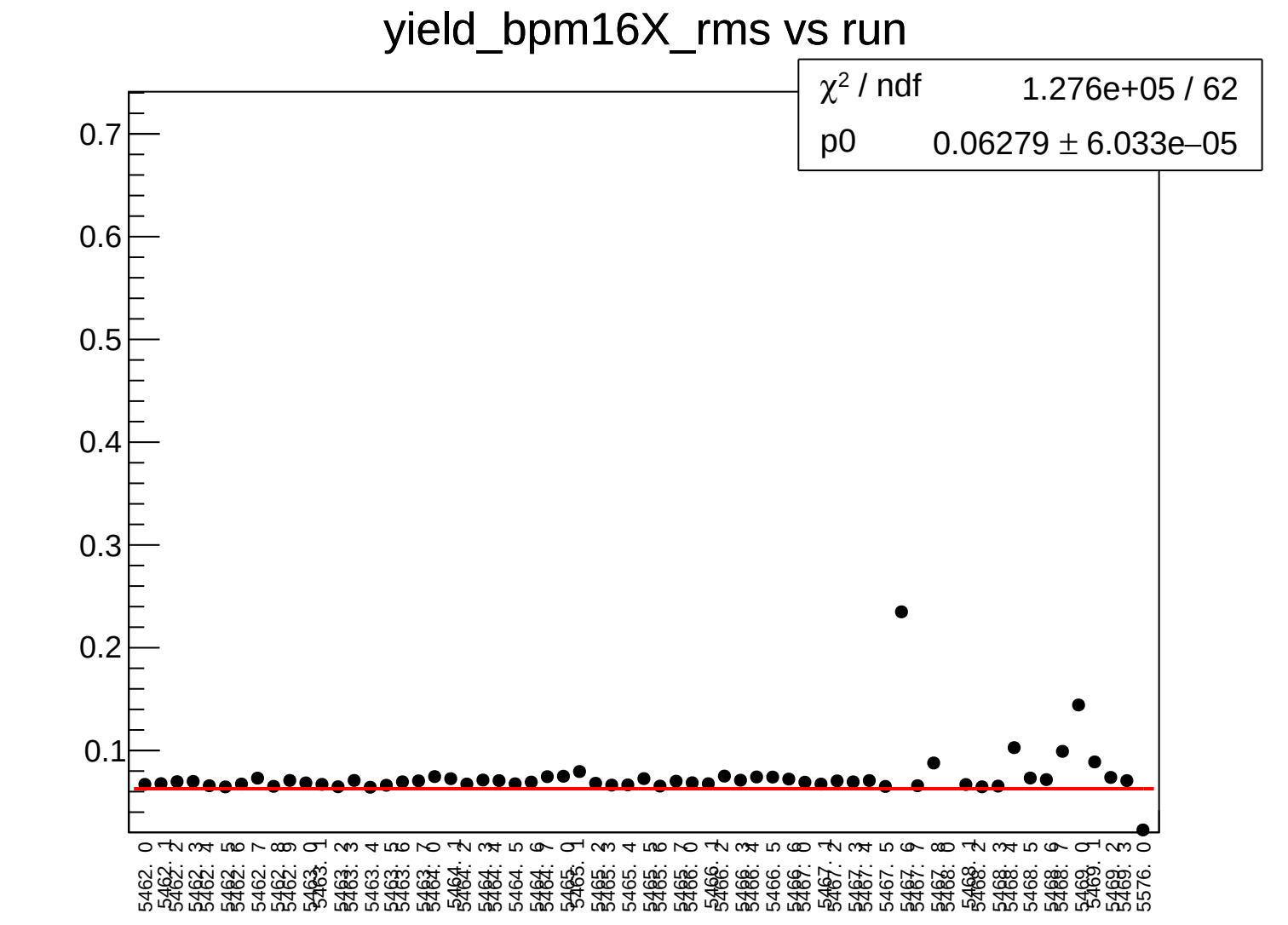

yield_bpm12Y_mean vs run
χ² / ndf 2.541e+08 / 62
p0 0.4311 ± 1.391e−05
pull
Entries 63
Mean 337
Std Dev 0

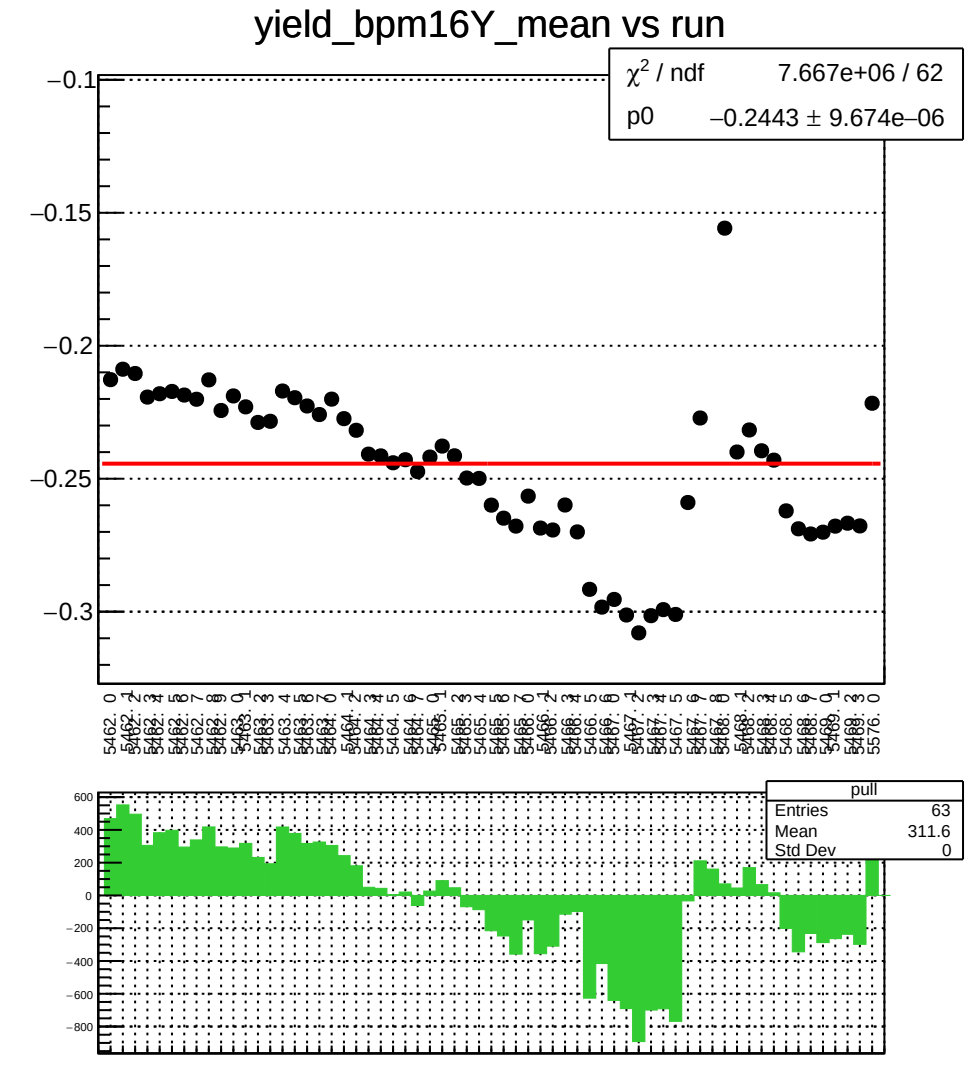

pull1D
Entries 63
Mean 1.296
Std Dev 2.04

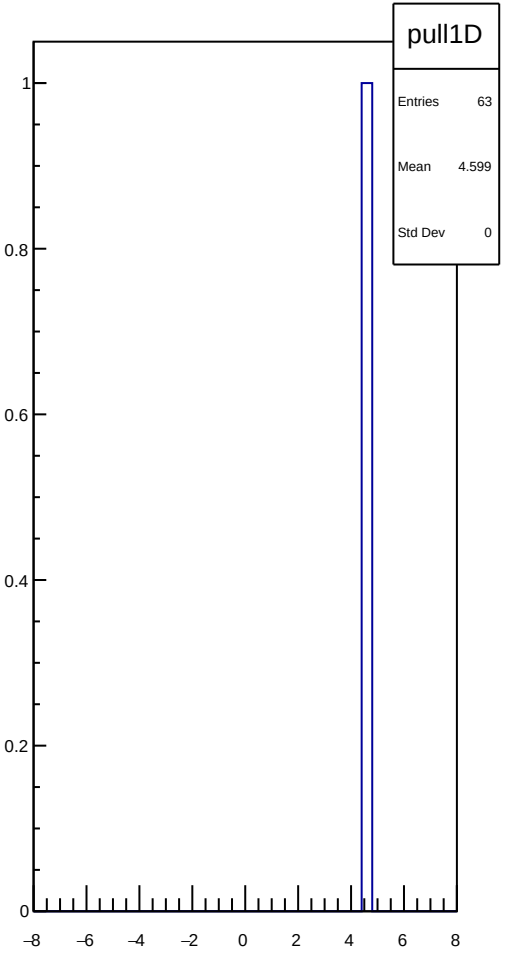

yield_bpm12Y_rms vs run
χ² / ndf 1.112e+05 / 62
p0 0.01032 ± 9.836e–06
0.5
0.4
0.3
0.2
0.1
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

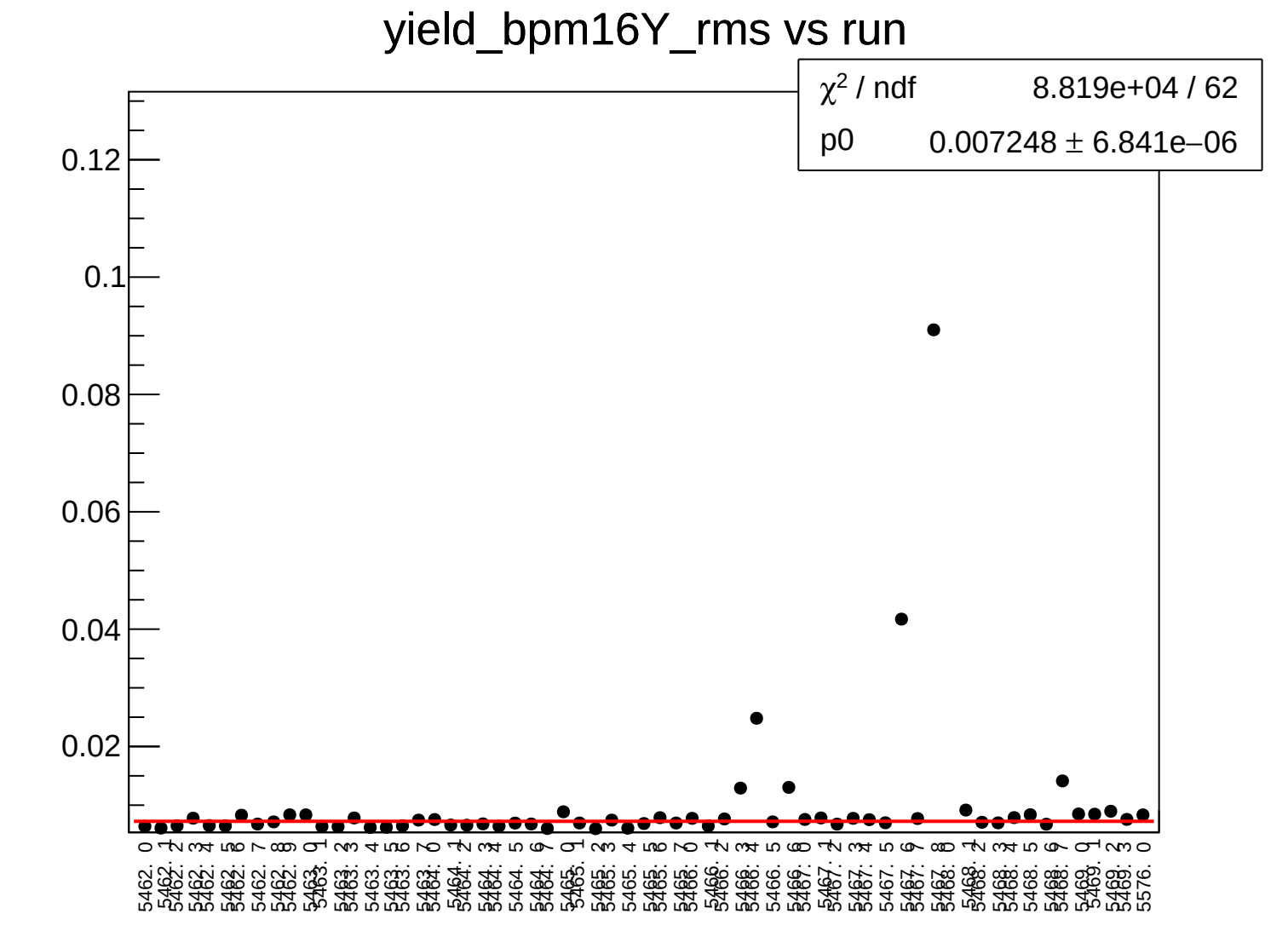

yield_bpm16X_mean vs run
χ² / ndf 2.324e+07 / 62
p0 −0.7528 ± 8.532e−05
0
−0.5
−1
−1.5
−2
pull
Entries 63
Mean 39.07
Std Dev 0.5742
3000
2000
1000
0
−1000

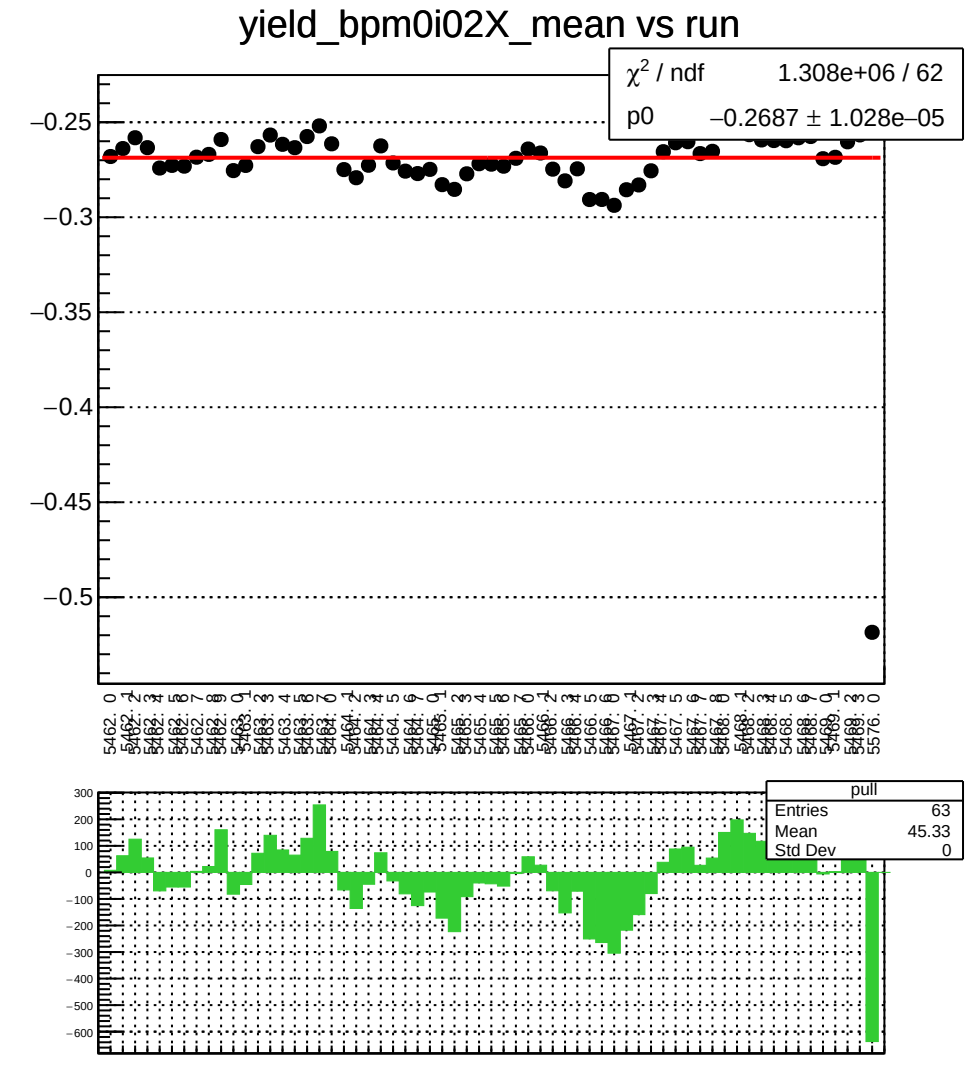

pull1D
Entries 63
Mean −5.094
Std Dev 2.011
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

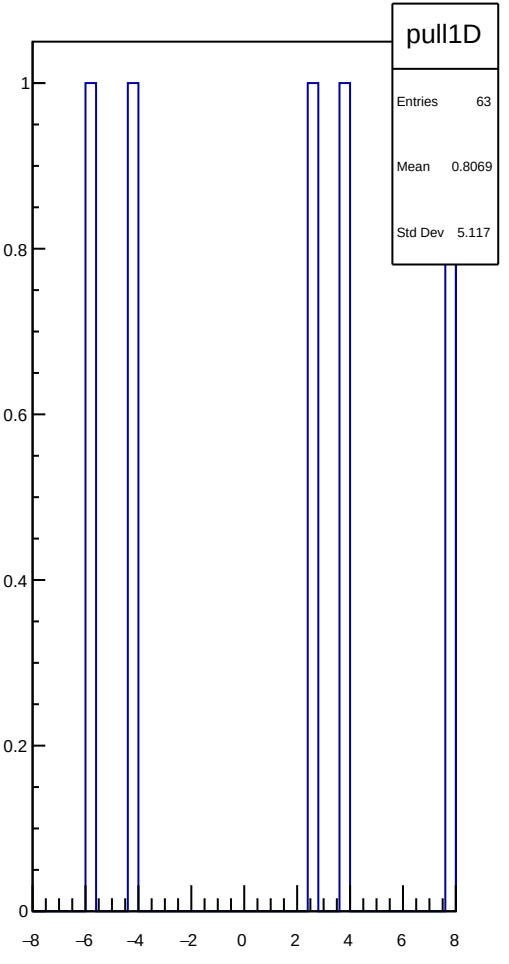

yield_bpm16X_rms vs run
χ² / ndf 1.276e+05 / 62
p0 0.06279 ± 6.033e–05
0.7
0.6
0.5
0.4
0.3
0.2
0.1

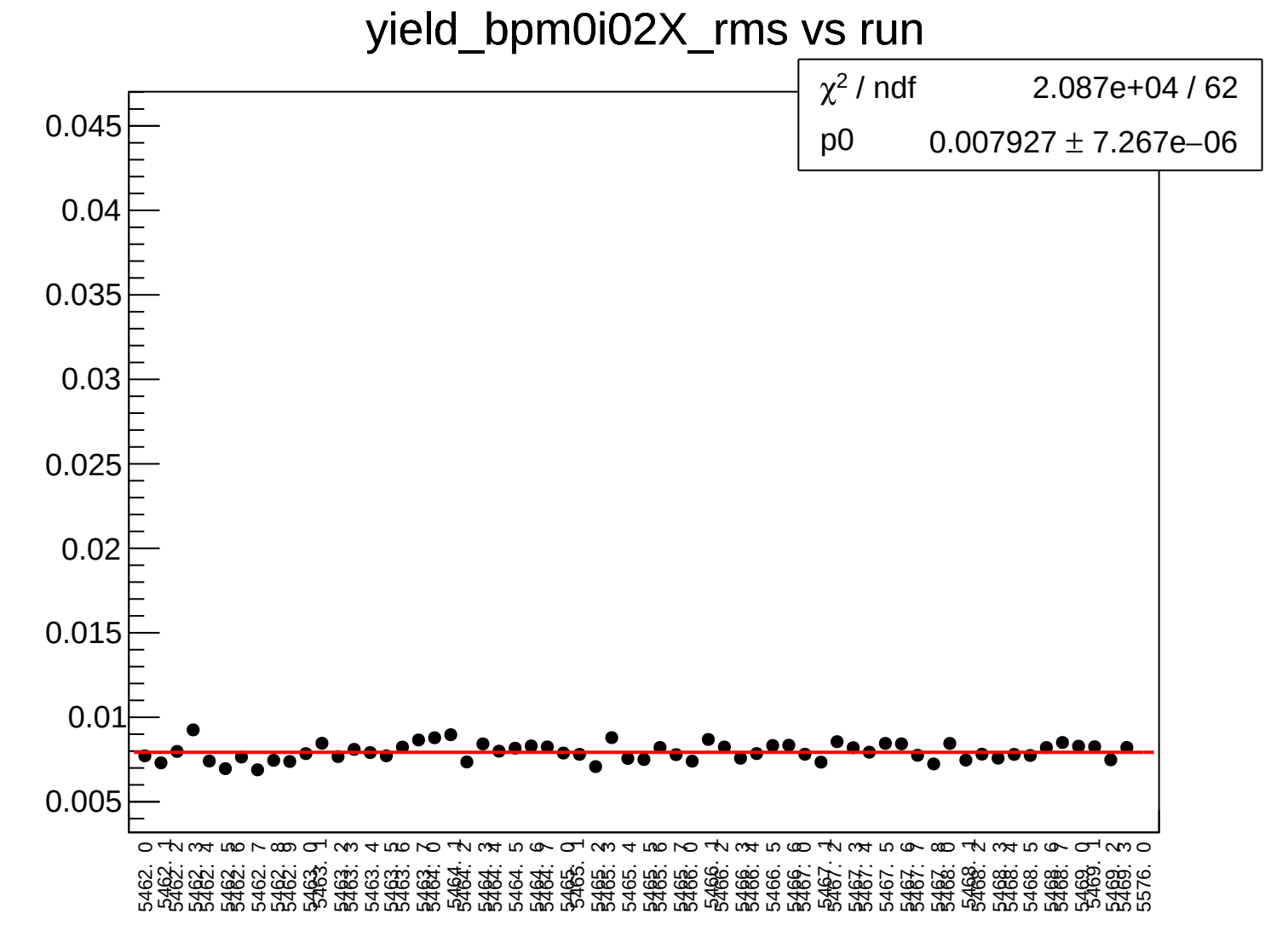

yield_bpm16Y_mean vs run
χ² / ndf 7.667e+06 / 62
p0 −0.2443 ± 9.674e−06
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 63
Mean 311.6
Std Dev 0
600
400
200
0
−200
−400
−600
−800

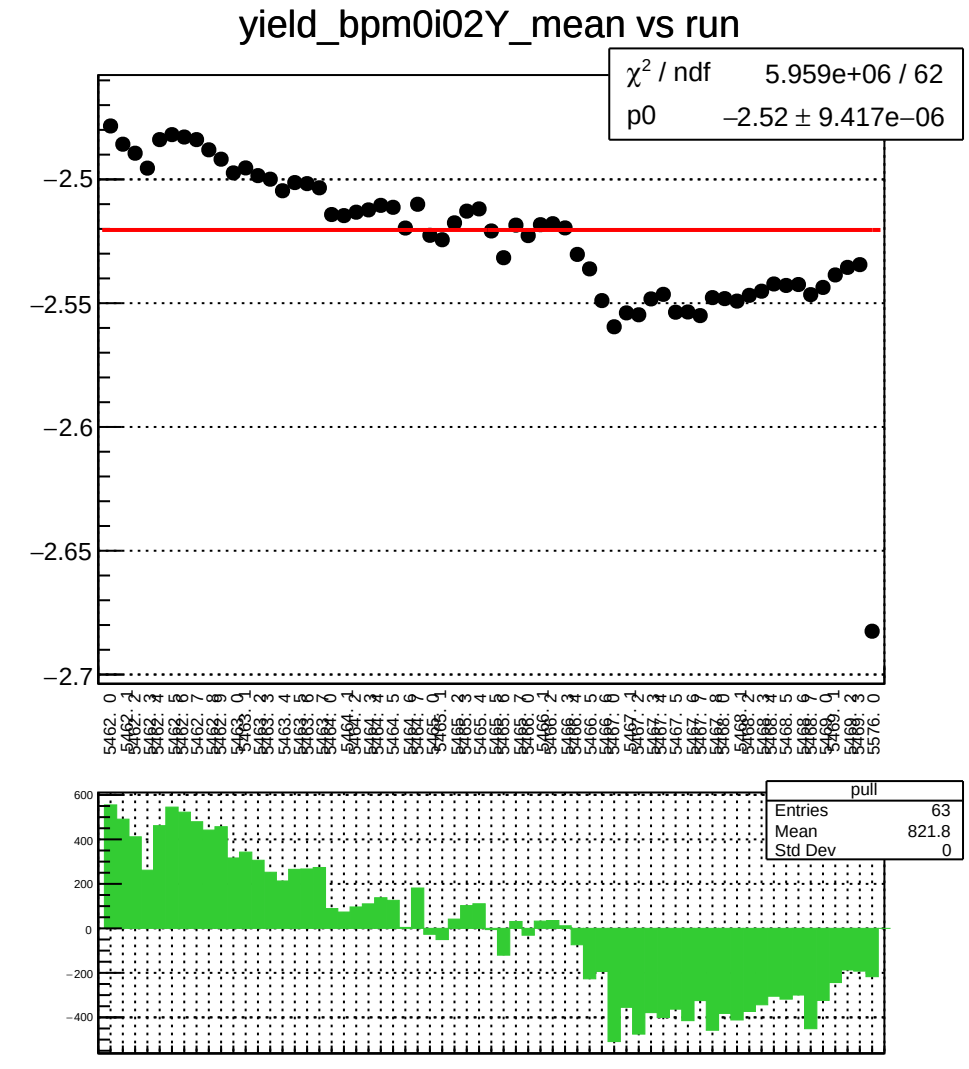

pull1D
Entries 63
Mean 4.599
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

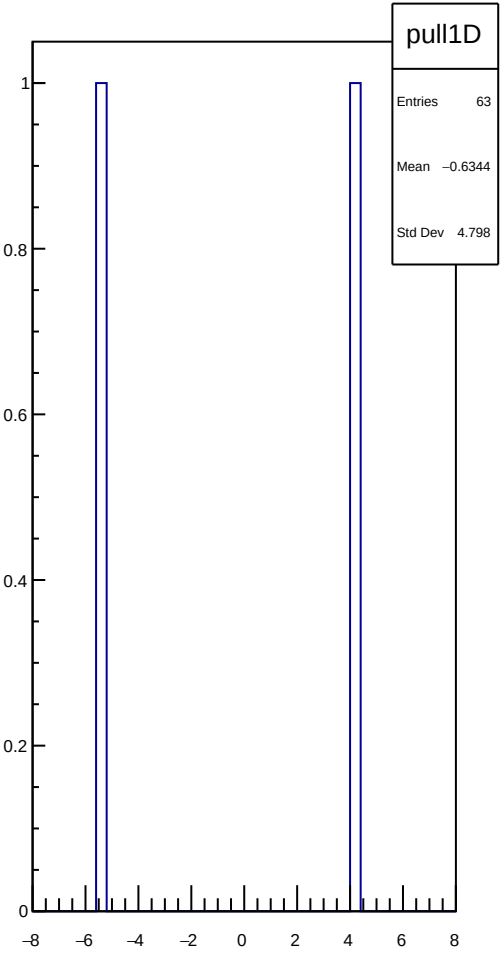

yield_bpm16Y_rms vs run
χ² / ndf 8.819e+04 / 62
p0 0.007248 ± 6.841e−06
0.12
0.1
0.08
0.06
0.04
0.02

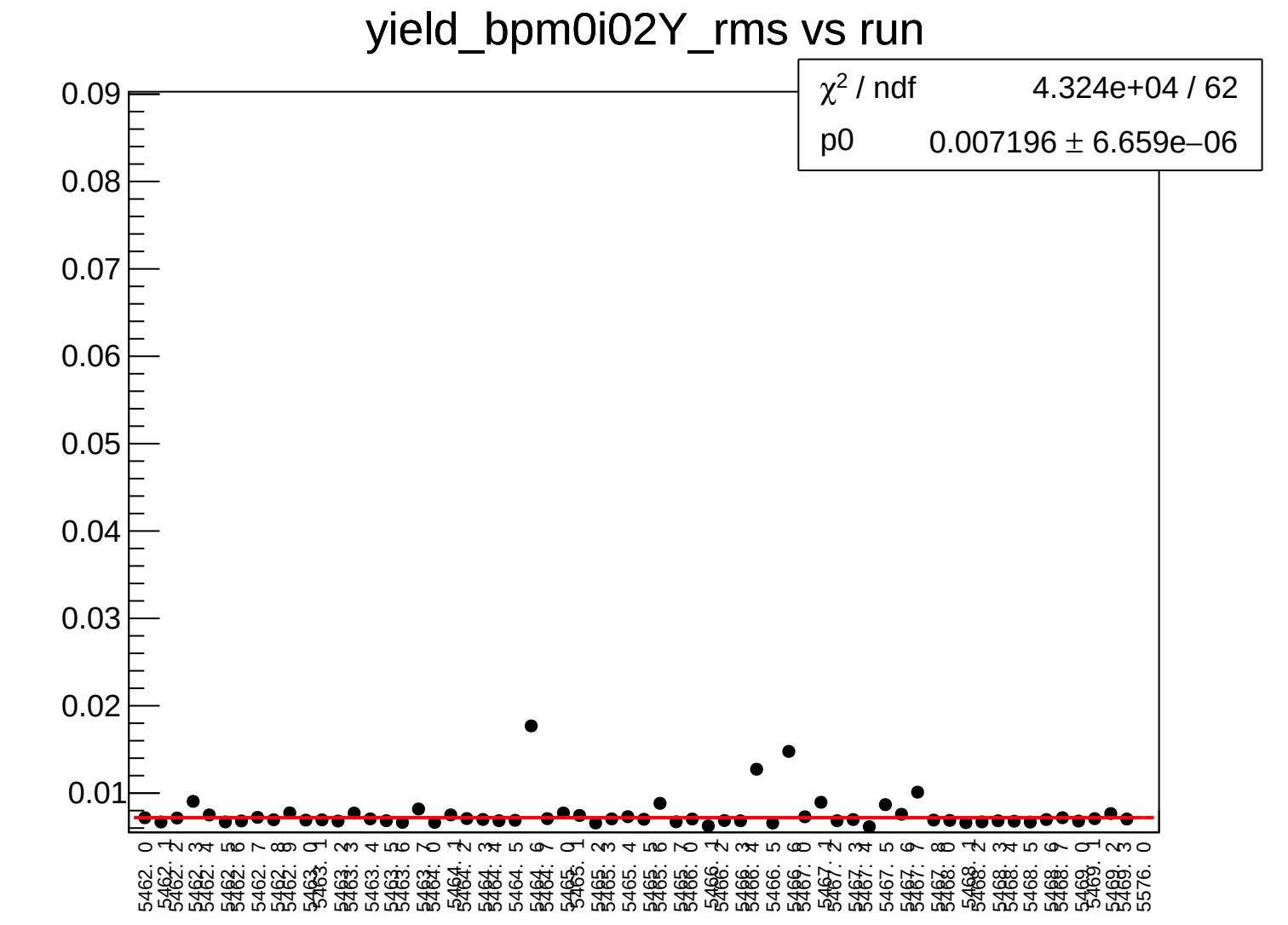

yield_bpm0i02X_mean vs run
χ² / ndf 1.308e+06 / 62
p0 −0.2687 ± 1.028e−05
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
pull
Entries 63
Mean 45.33
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

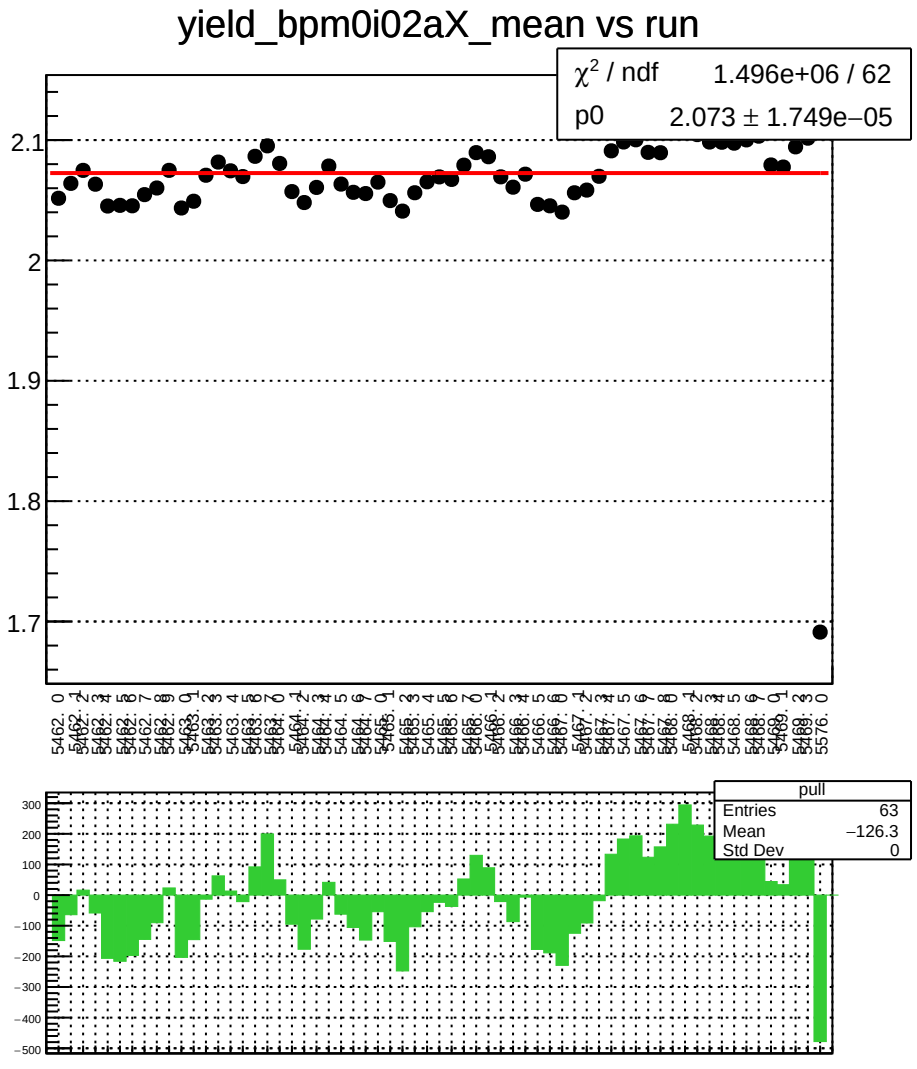

pull1D
Entries 63
Mean 0.8069
Std Dev 5.117
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

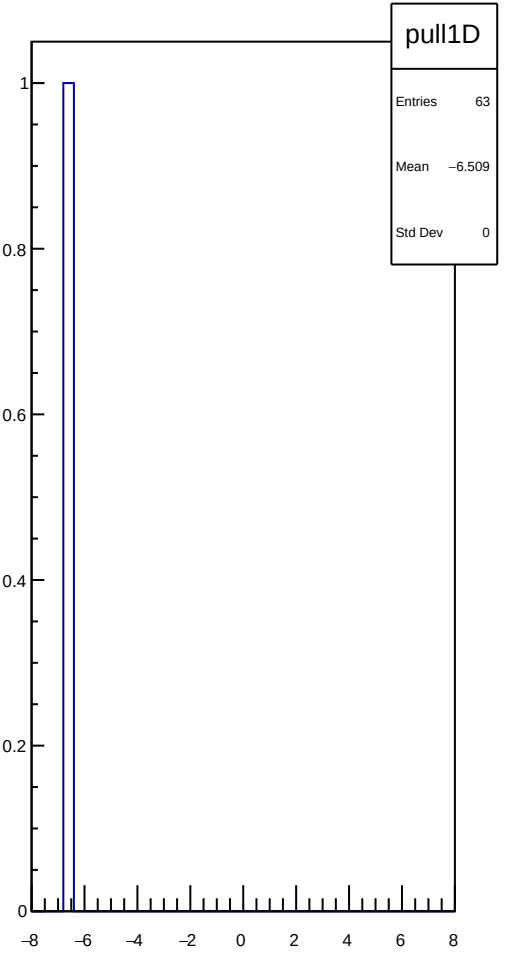

yield_bpm0i02X_rms vs run
χ² / ndf 2.087e+04 / 62
p0 0.007927 ± 7.267e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

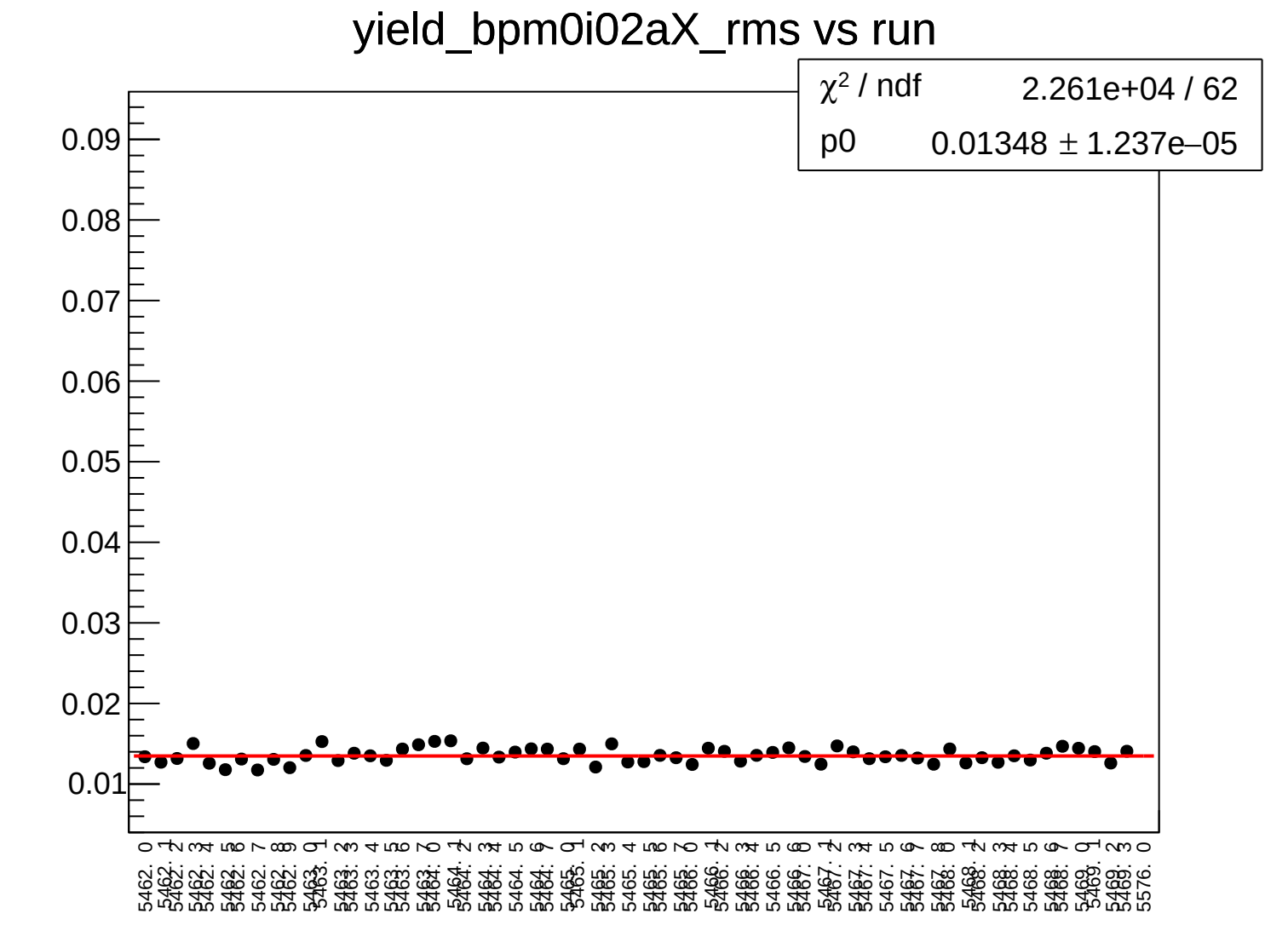

yield_bpm0i02Y_mean vs run
χ² / ndf 5.959e+06 / 62
p0 −2.52 ± 9.417e−06
−2.5
−2.55
−2.6
−2.65
−2.7
pull
Entries 63
Mean 821.8
Std Dev 0
600
400
200
0
−200
−400

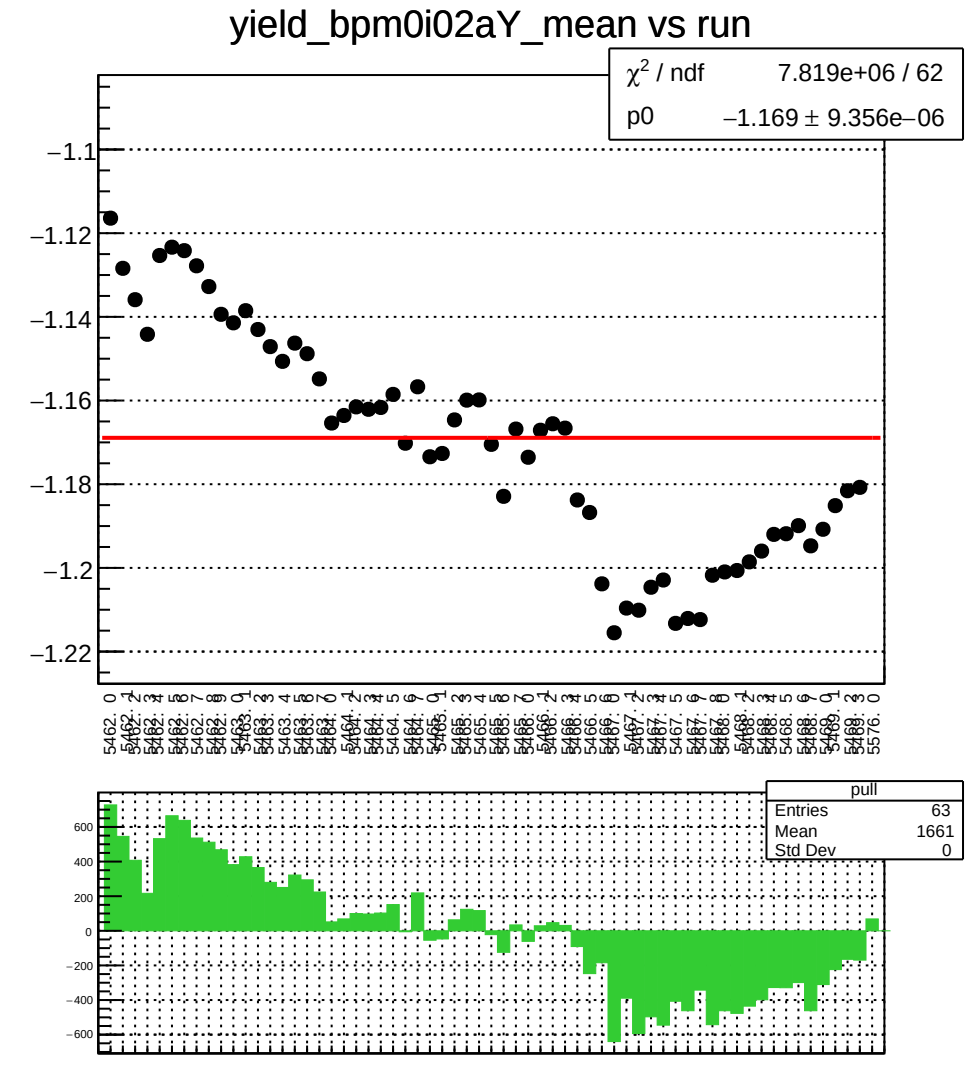

pull1D
Entries 63
Mean −0.6344
Std Dev 4.798
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

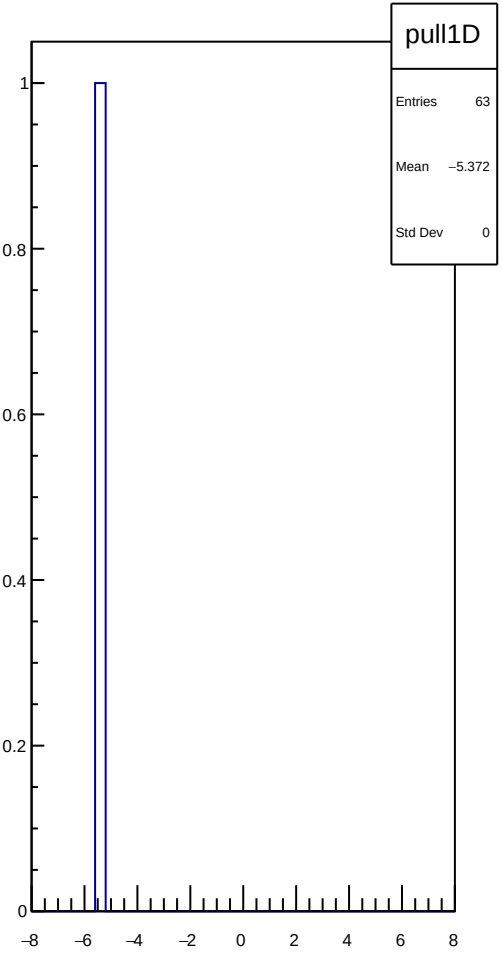

yield_bpm0i02Y_rms vs run
χ² / ndf 4.324e+04 / 62
p0 0.007196 ± 6.659e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

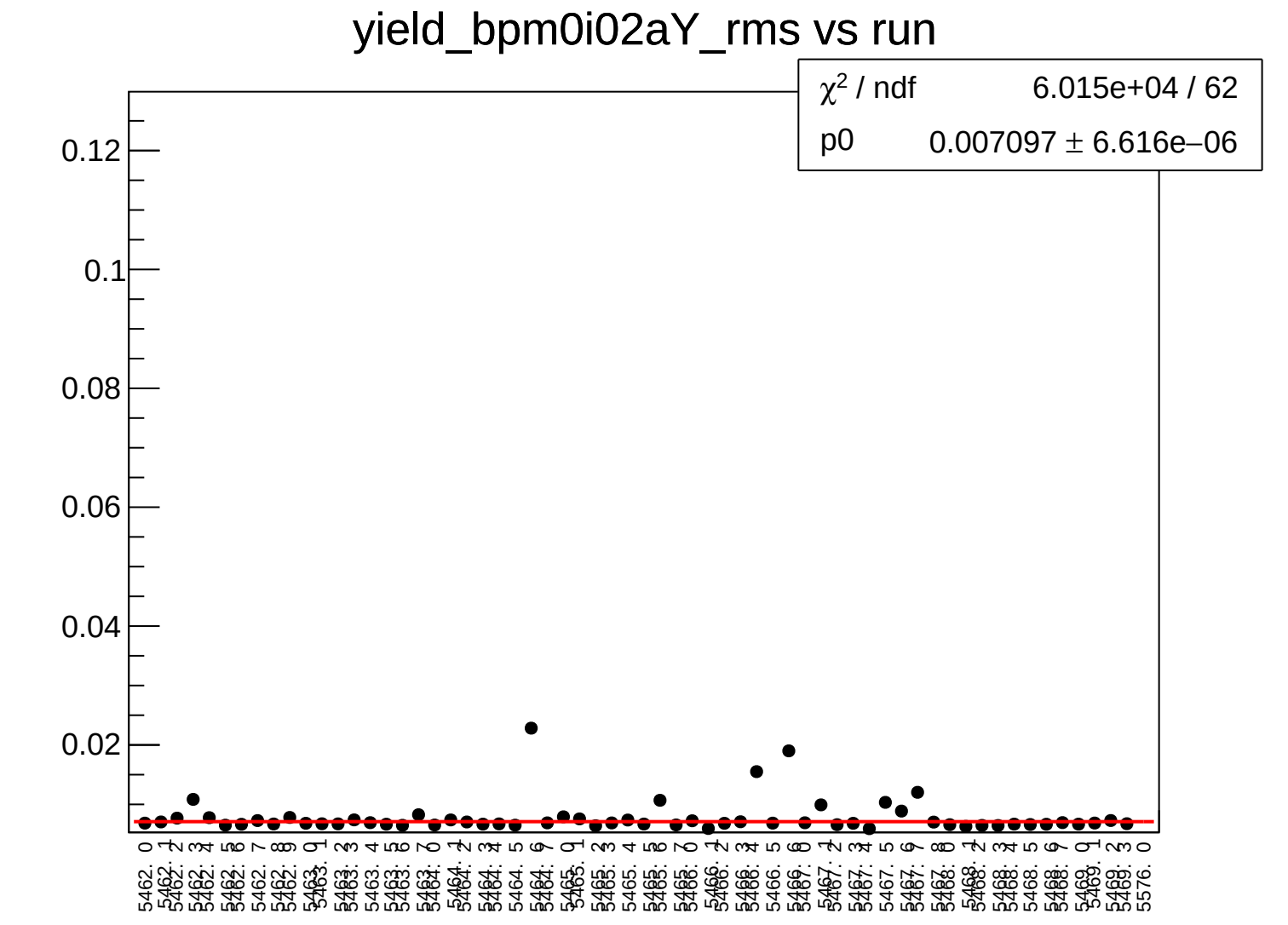

yield_bpm0i02aX_mean vs run
χ² / ndf 1.496e+06 / 62
p0 2.073 ± 1.749e−05
pull
Entries 63
Mean −126.3
Std Dev 0

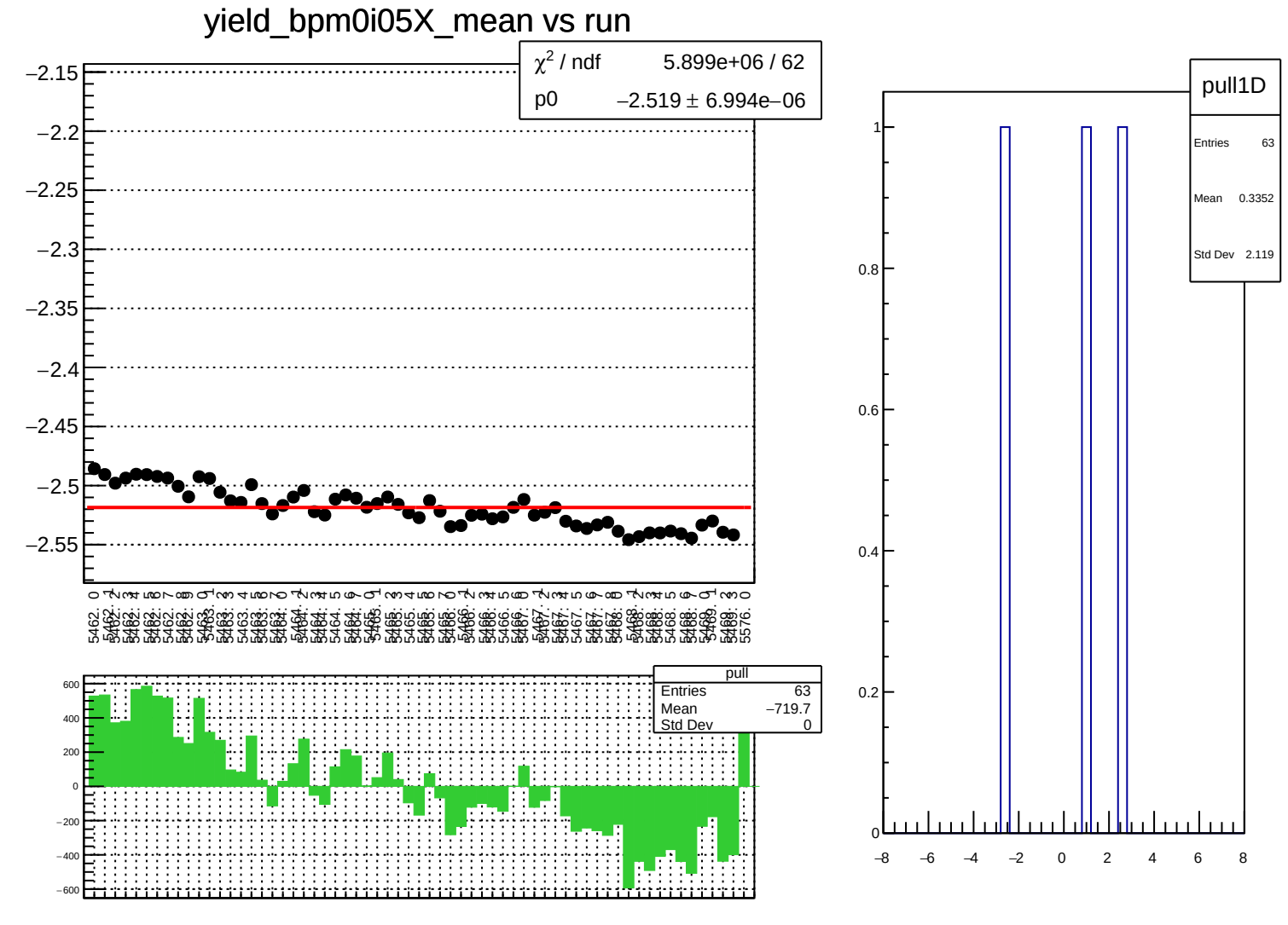

pull1D
Entries 63
Mean −6.509
Std Dev 0

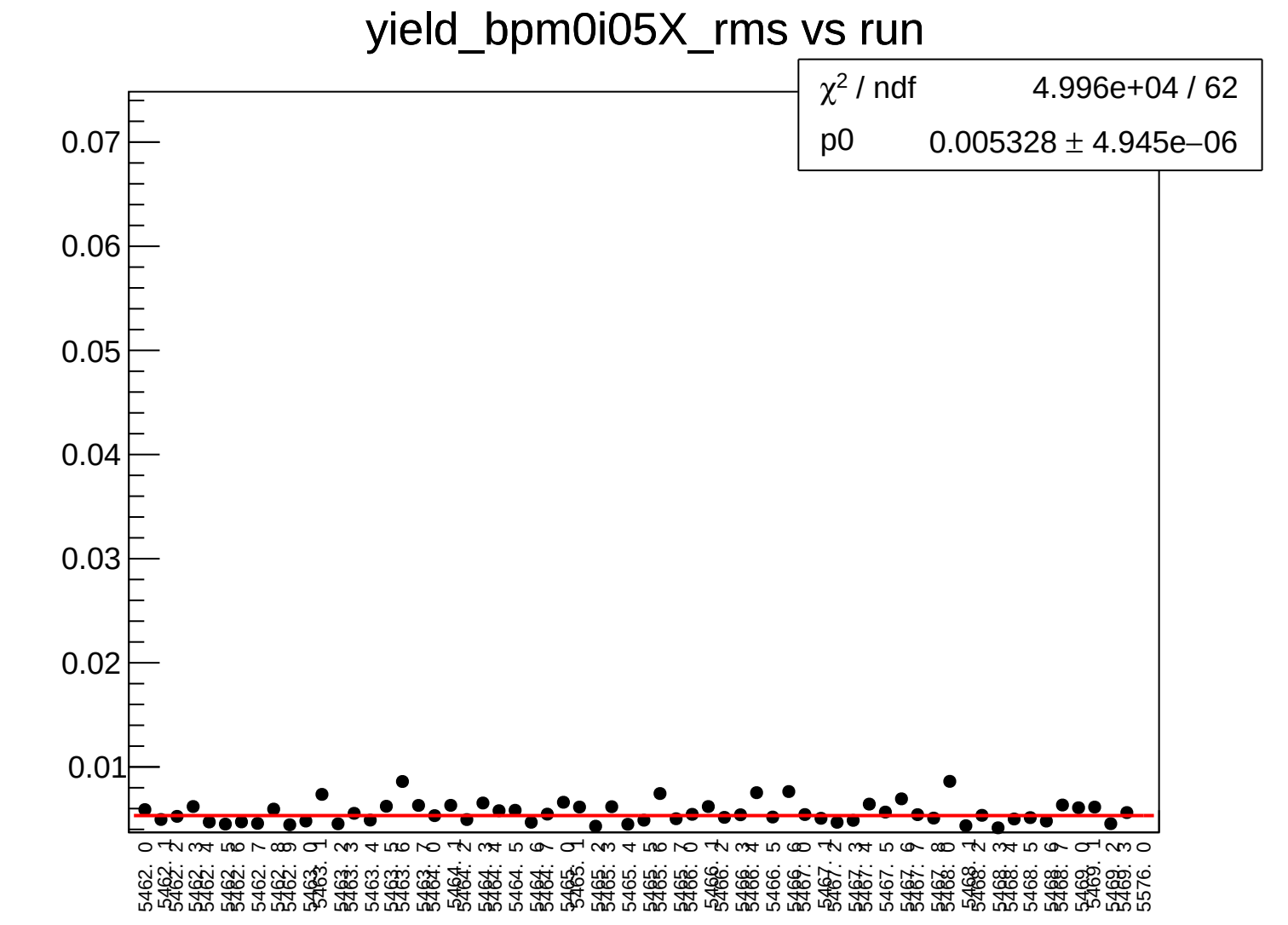

yield_bpm0i02aX_rms vs run
χ² / ndf 2.261e+04 / 62
p0 0.01348 ± 1.237e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

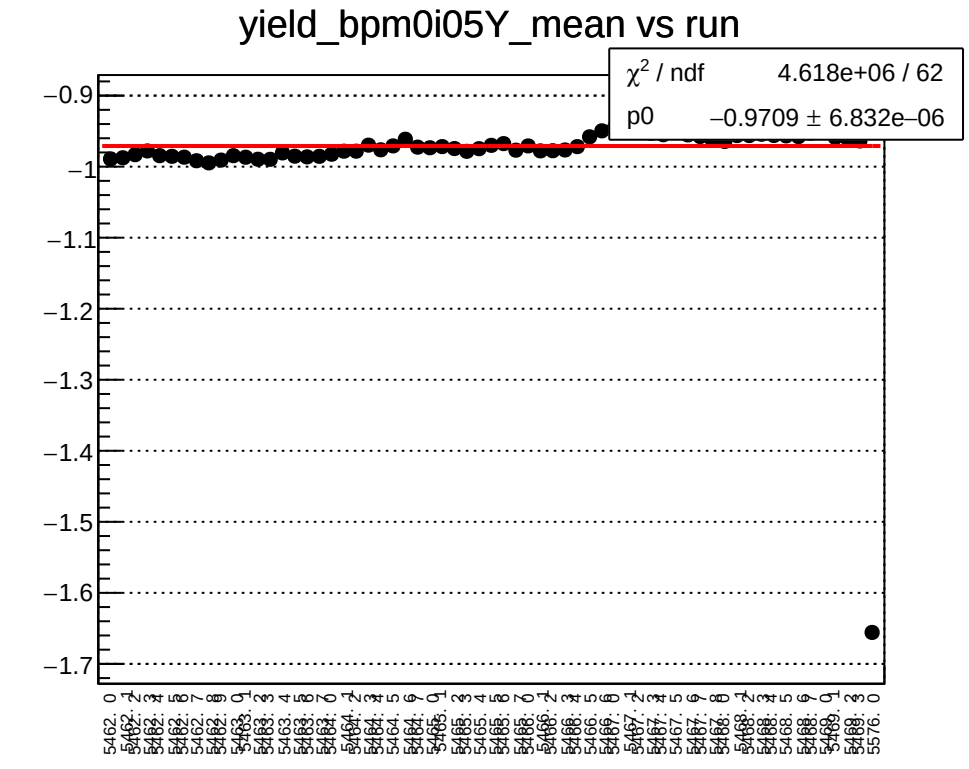

yield_bpm0i02aY_mean vs run
χ² / ndf 7.819e+06 / 62
p0 −1.169 ± 9.356e−06
−1.1
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
pull
Entries 63
Mean 1661
Std Dev 0
600
400
200
0
−200
−400
−600

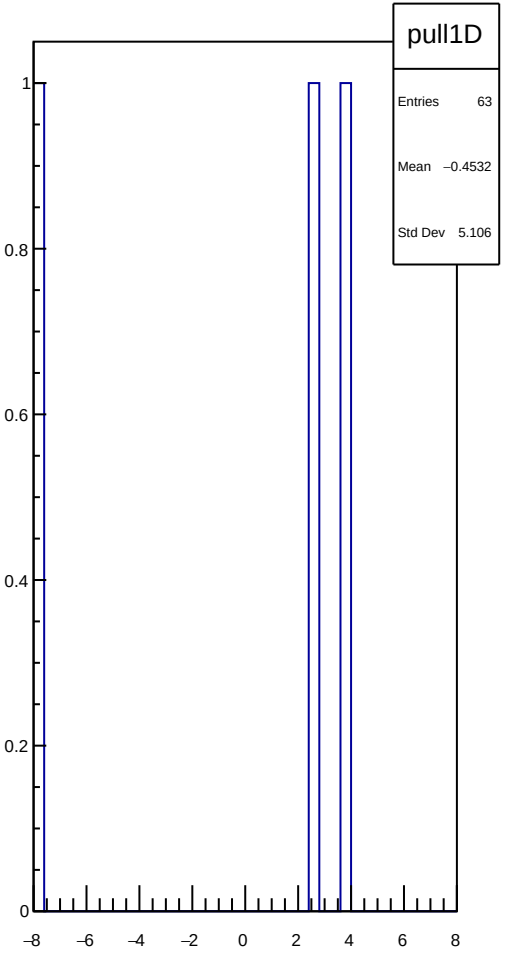

pull1D
Entries 63
Mean −5.372
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

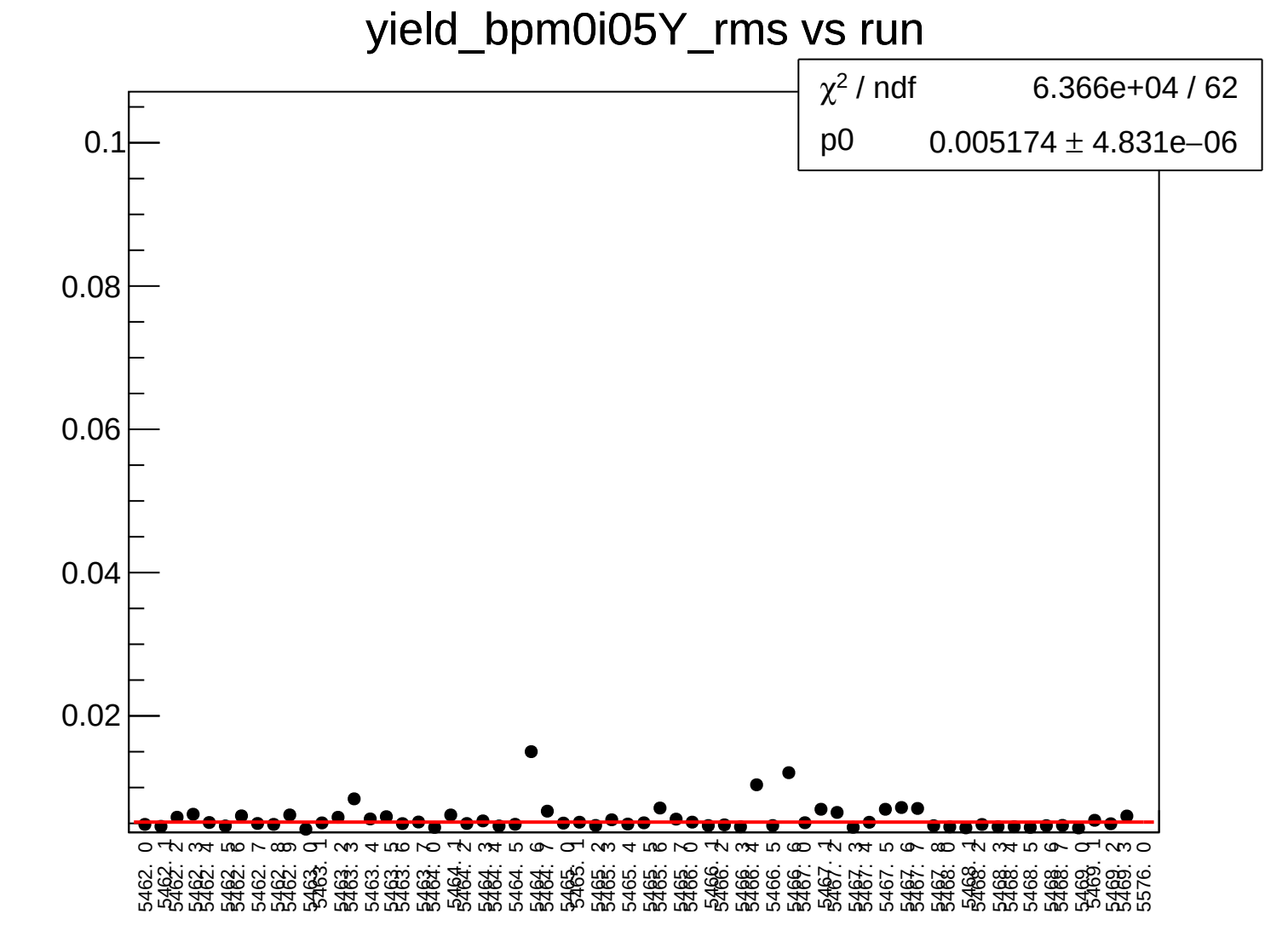

yield_bpm0i02aY_rms vs run
χ² / ndf 6.015e+04 / 62
p0 0.007097 ± 6.616e−06
0.12
0.1
0.08
0.06
0.04
0.02

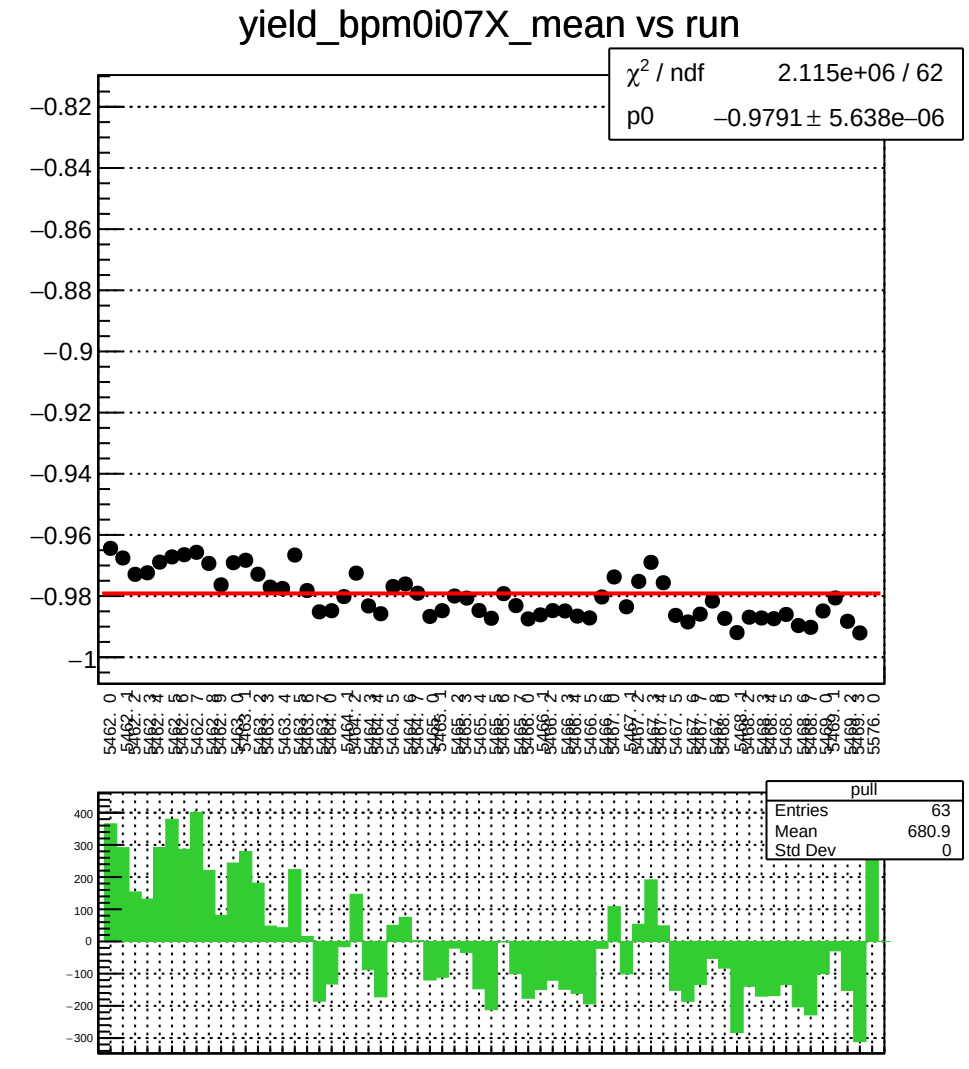

yield_bpm0i05X_mean vs run
χ² / ndf 5.899e+06 / 62
p0 −2.519 ± 6.994e−06
pull
Entries 63
Mean −719.7
Std Dev 0
pull1D
Entries 63
Mean 0.3352
Std Dev 2.119

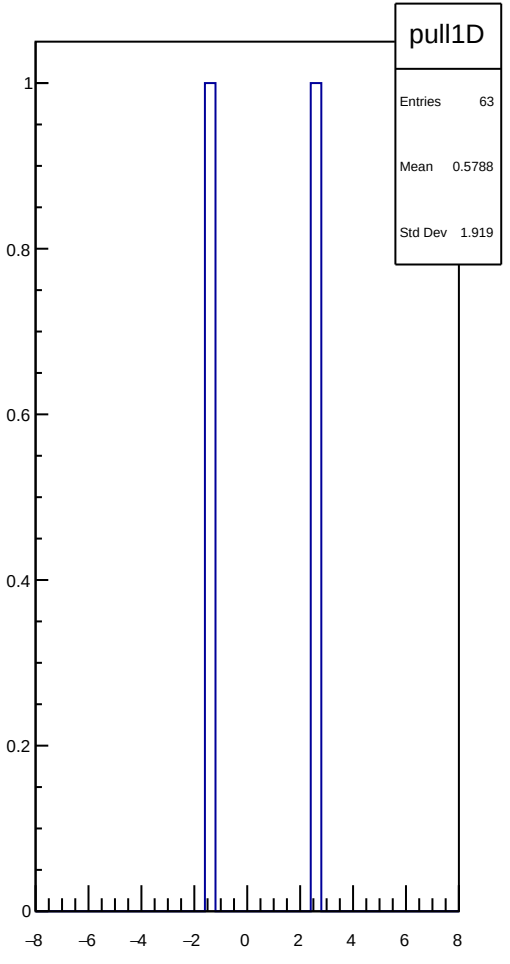

yield_bpm0i05X_rms vs run
χ² / ndf 4.996e+04 / 62
p0 0.005328 ± 4.945e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

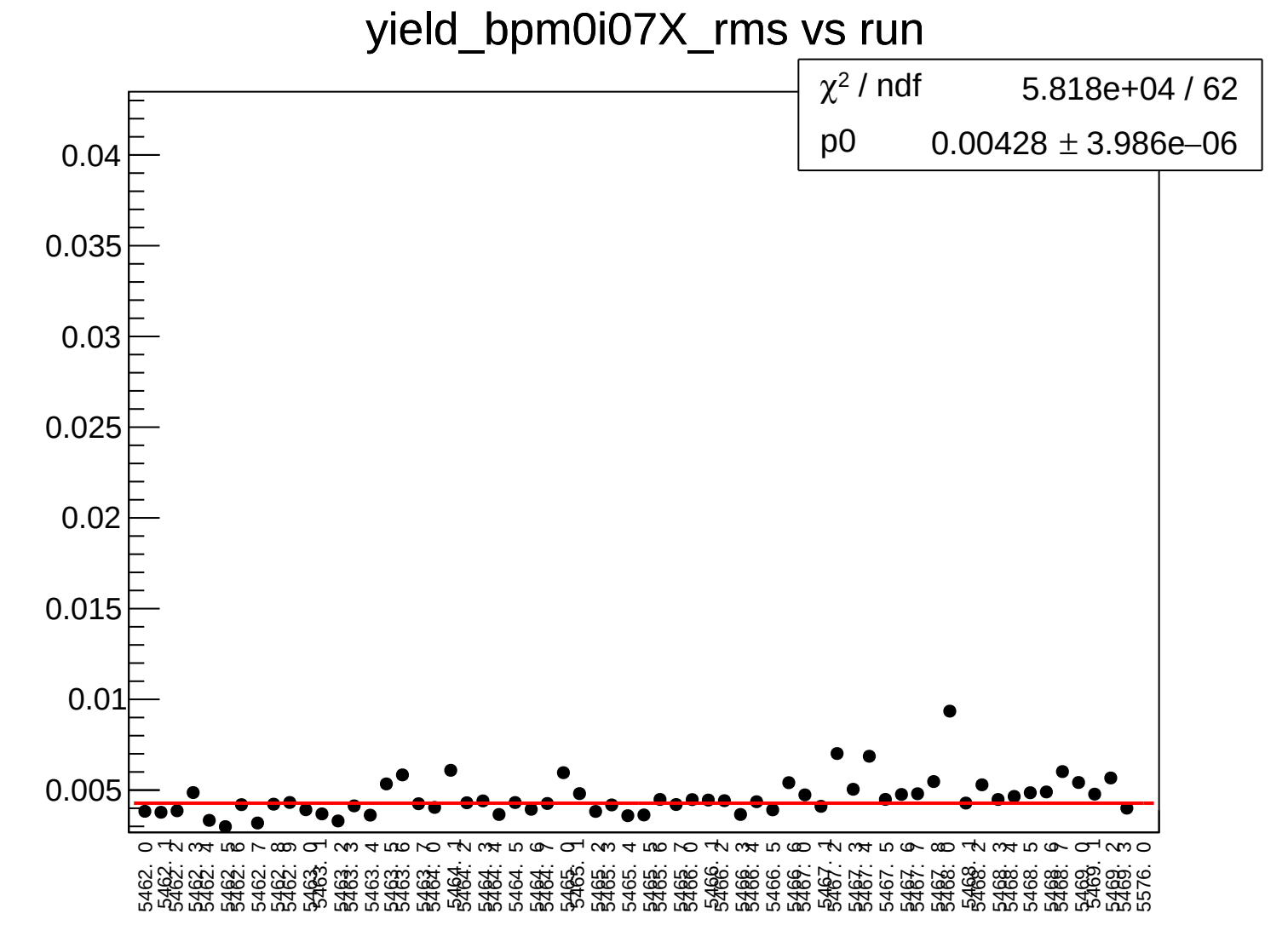

yield_bpm0i05Y_mean vs run
χ² / ndf 4.618e+06 / 62
p0 −0.9709 ± 6.832e−06
−0.9
−1
−1.1
−1.2
−1.3
−1.4
−1.5
−1.6
−1.7
pull
Entries 63
Mean −310.9
Std Dev 0
400
200
0
−200
−400
−600
−800

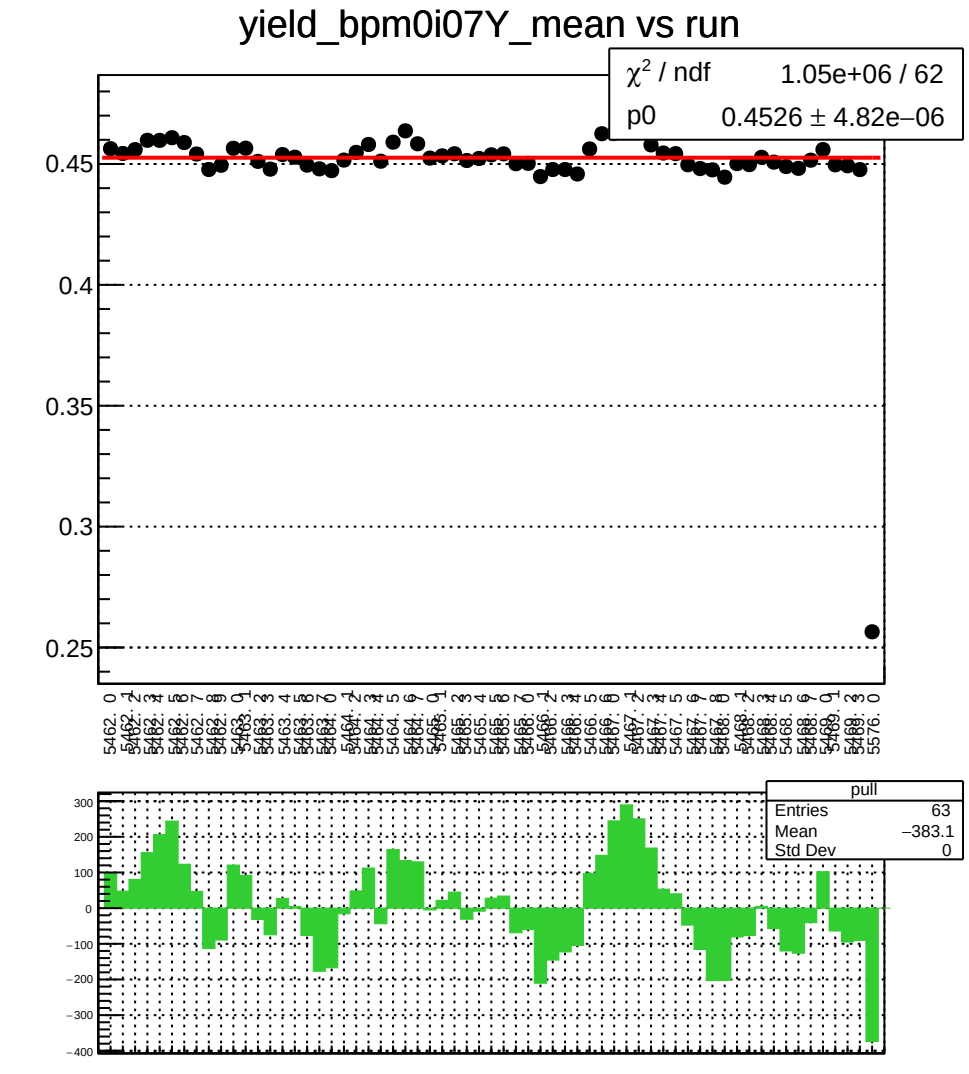

pull1D
Entries 63
Mean −0.4532
Std Dev 5.106
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

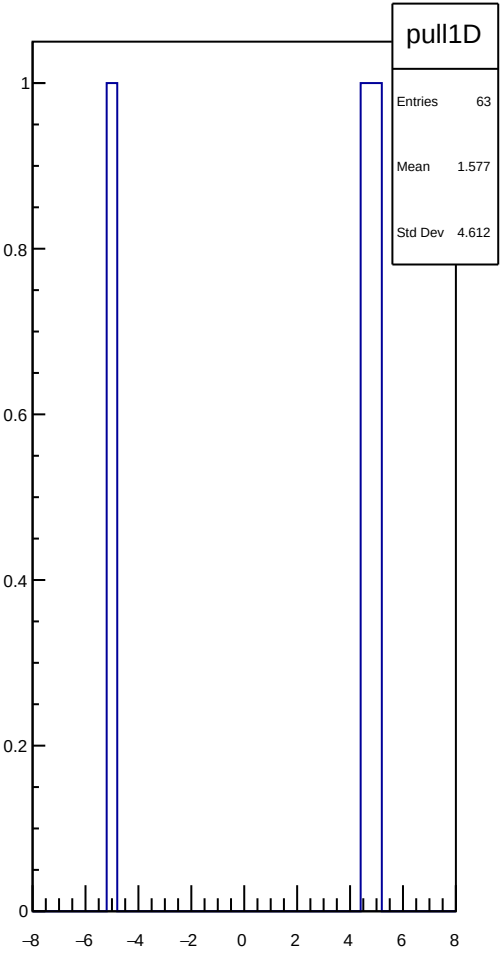

yield_bpm0i05Y_rms vs run
χ² / ndf 6.366e+04 / 62
p0 0.005174 ± 4.831e−06
0.1
0.08
0.06
0.04
0.02

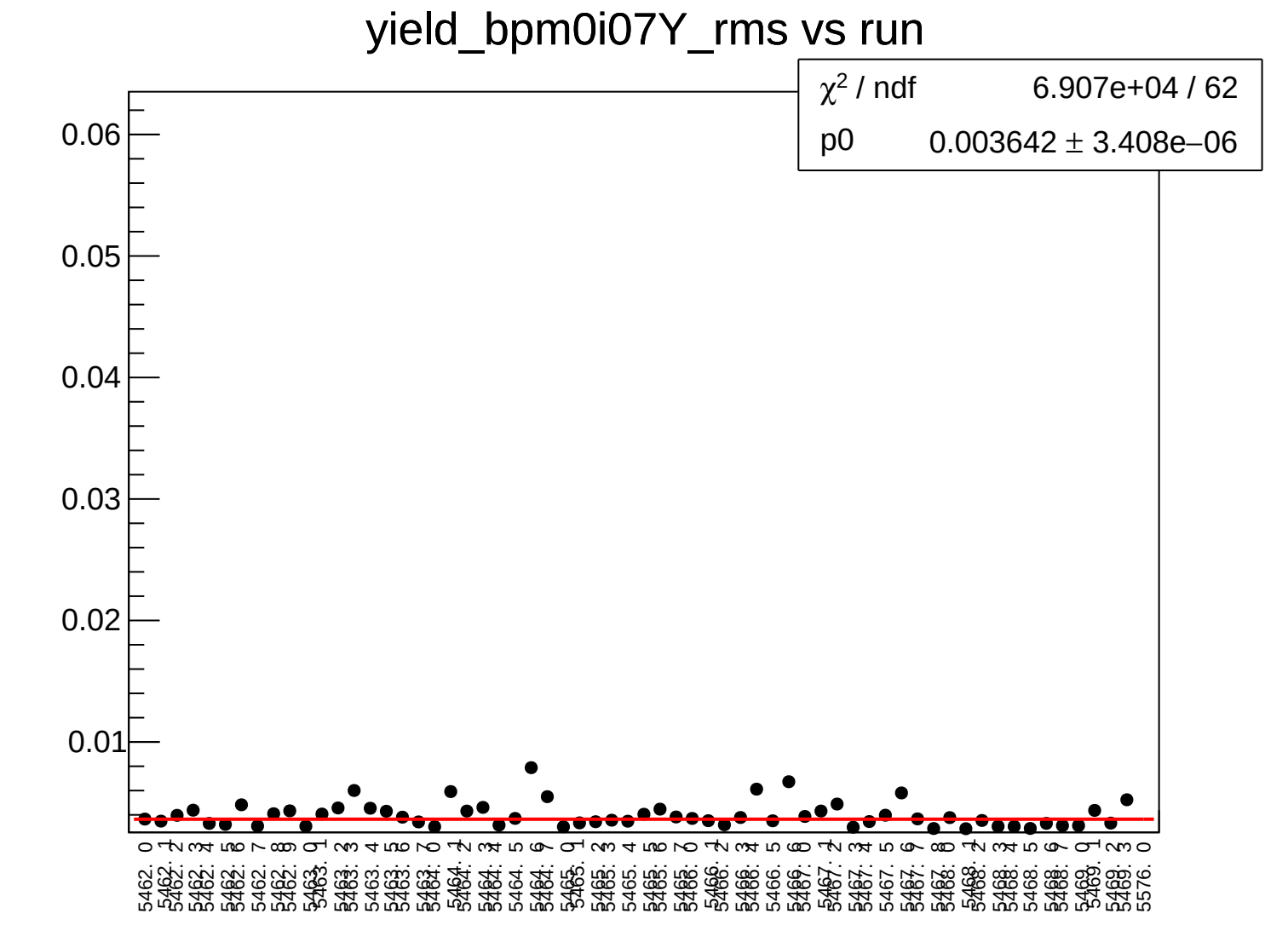

yield_bpm0i07X_mean vs run
χ² / ndf 2.115e+06 / 62
p0 −0.9791 ± 5.638e−06
pull
Entries 63
Mean 680.9
Std Dev 0

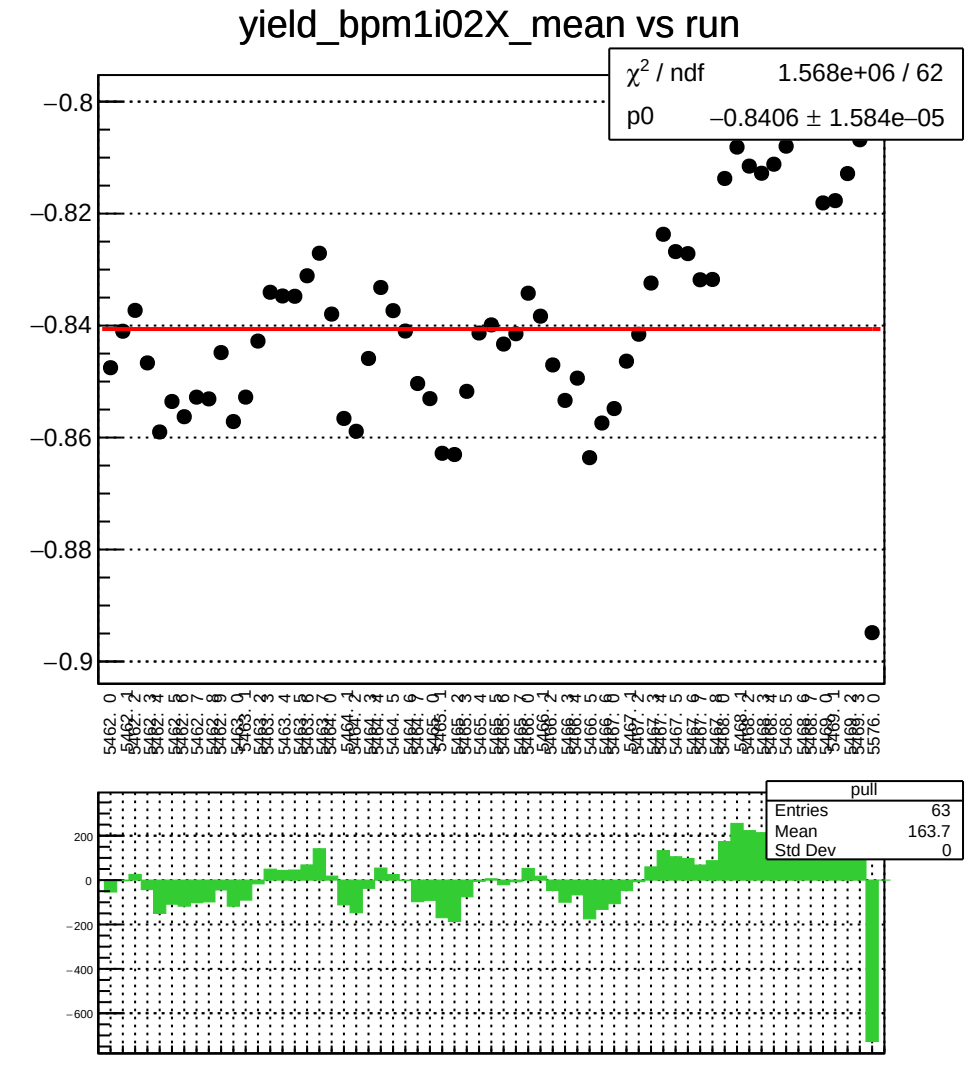

pull1D
Entries 63
Mean 0.5788
Std Dev 1.919

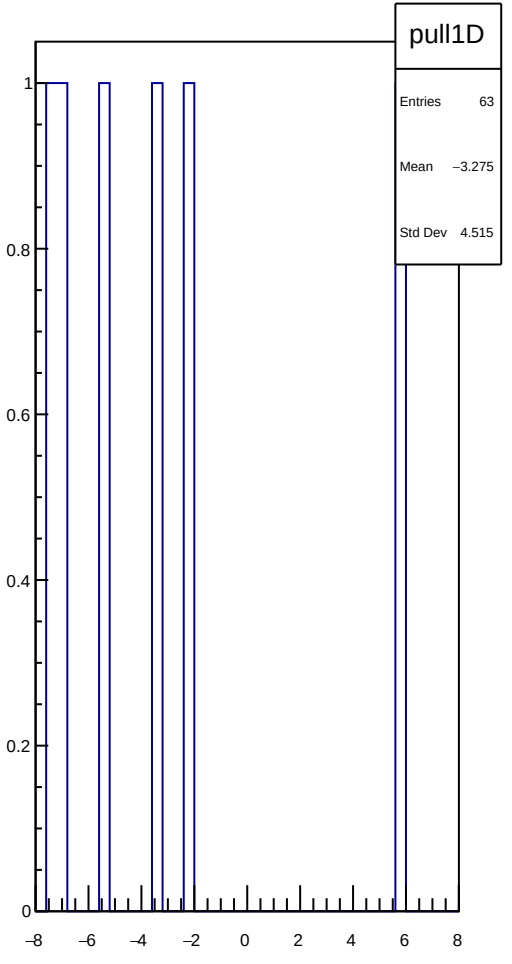

yield_bpm0i07X_rms vs run
χ² / ndf 5.818e+04 / 62
p0 0.00428 ± 3.986e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

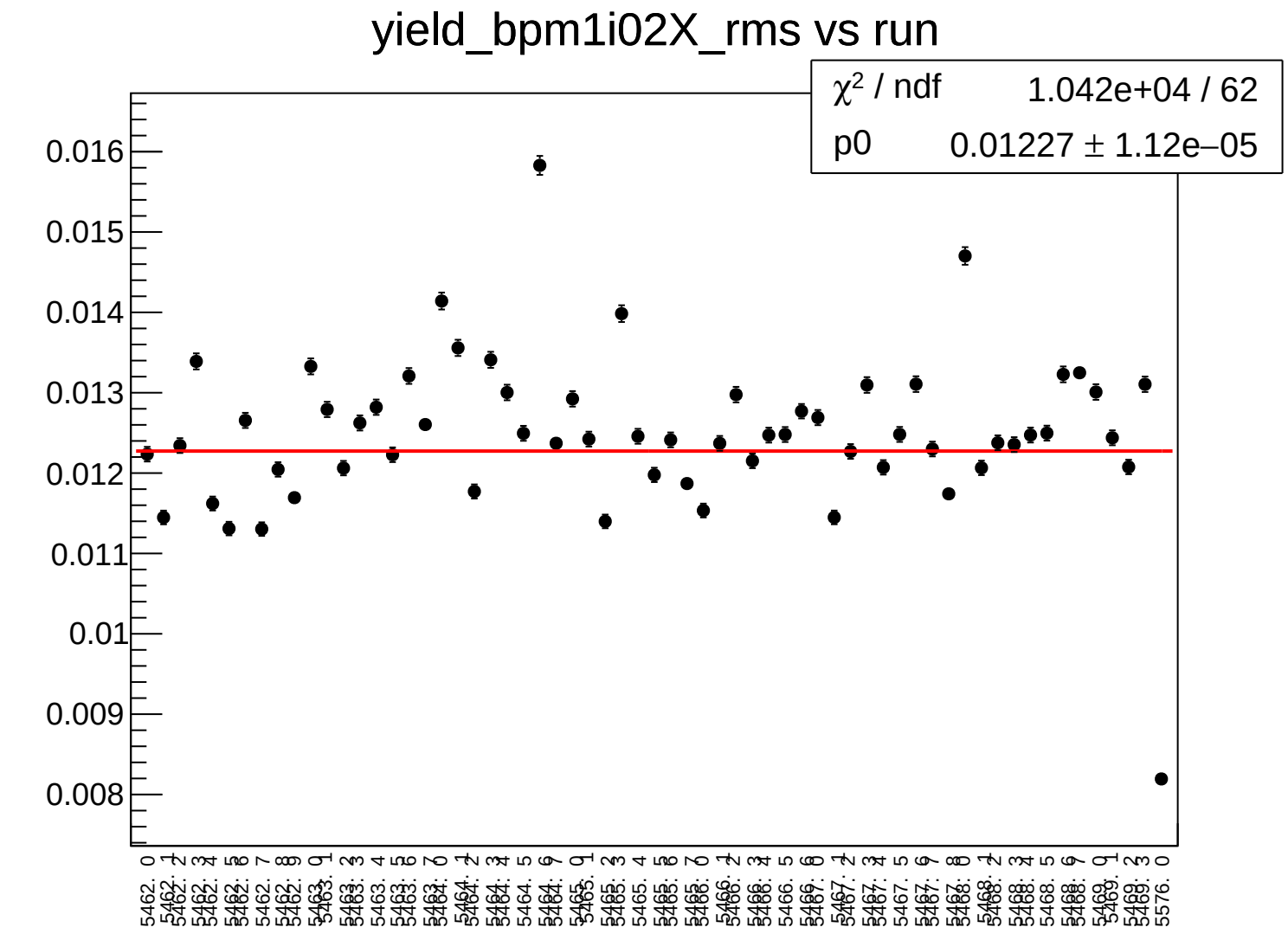

yield_bpm0i07Y_mean vs run
χ² / ndf 1.05e+06 / 62
p0 0.4526 ± 4.82e−06
0.45
0.4
0.35
0.3
0.25
pull
Entries 63
Mean −383.1
Std Dev 0
300
200
100
0
−100
−200
−300
−400

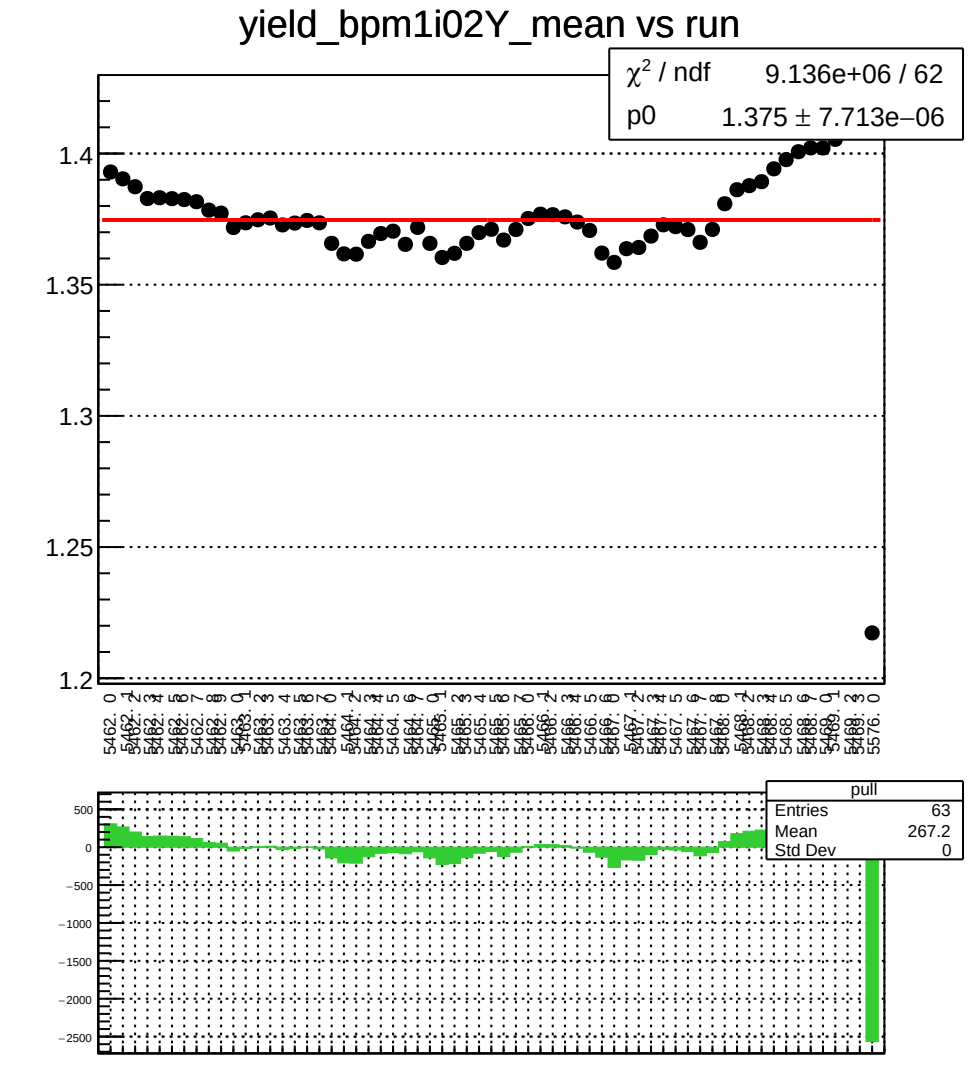

pull1D
Entries 63
Mean 1.577
Std Dev 4.612
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

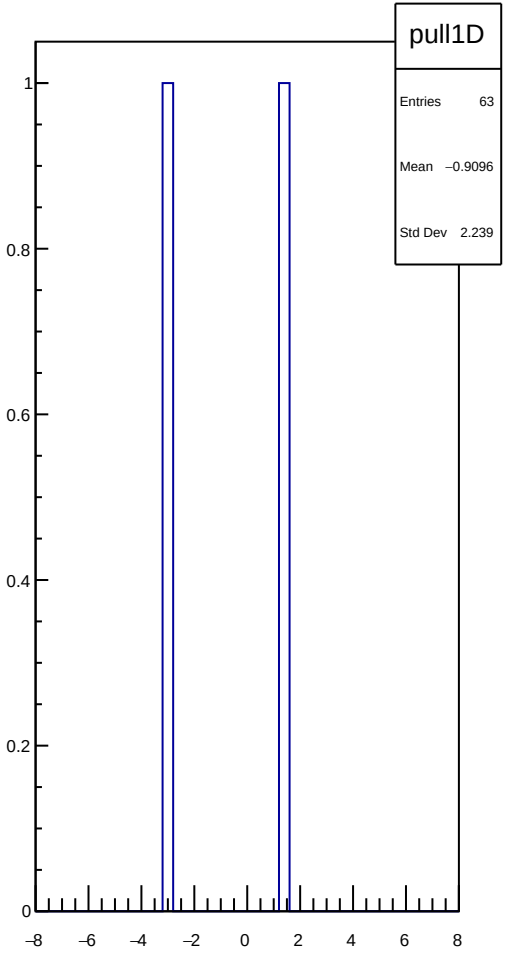

yield_bpm0i07Y_rms vs run
χ² / ndf 6.907e+04 / 62
p0 0.003642 ± 3.408e−06
0.06
0.05
0.04
0.03
0.02
0.01

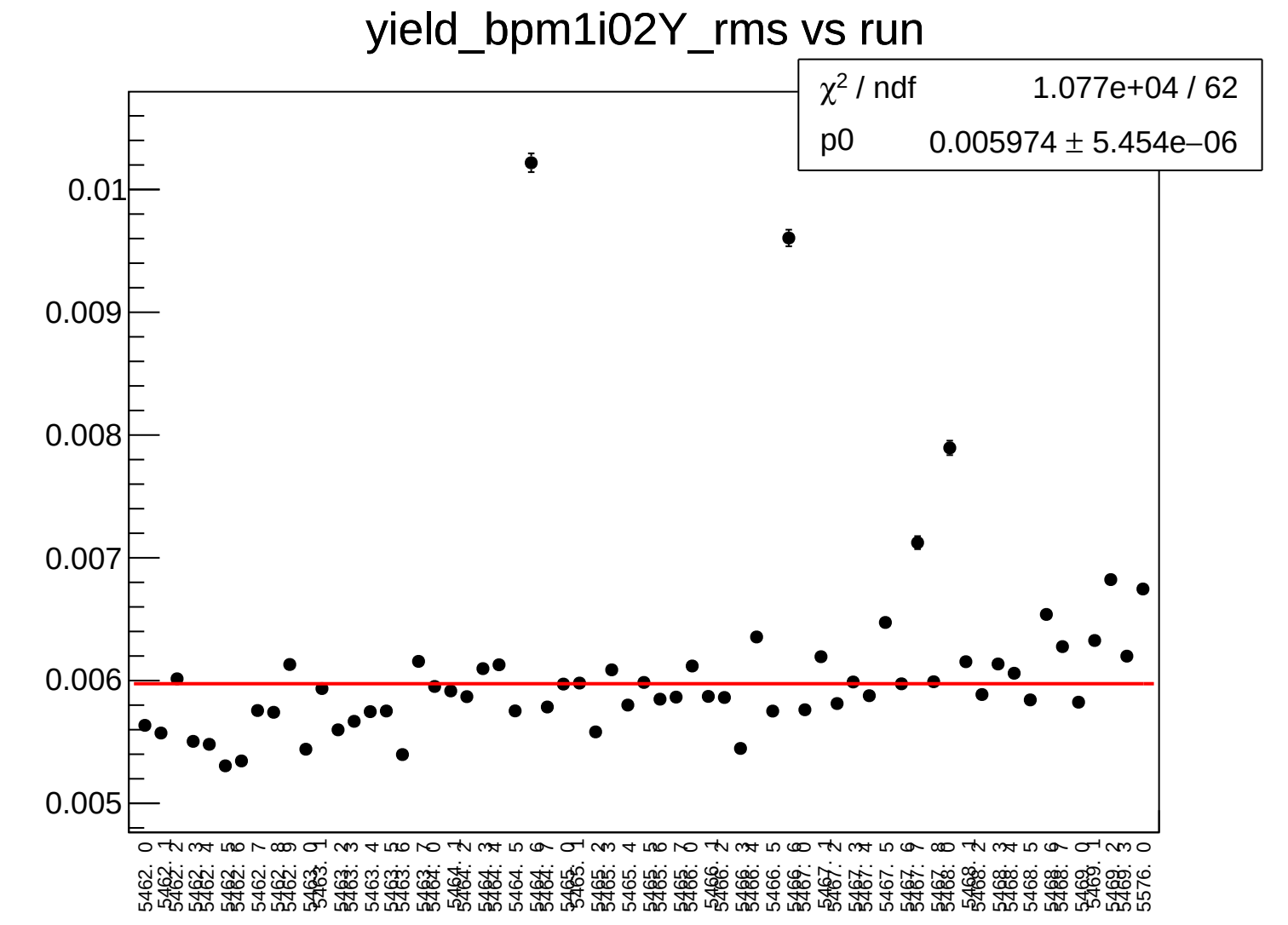

yield_bpm1i02X_mean vs run
χ² / ndf 1.568e+06 / 62
p0 −0.8406 ± 1.584e−05
−0.8
−0.82
−0.84
−0.86
−0.88
−0.9
pull
Entries 63
Mean 163.7
Std Dev 0
200
0
−200
−400
−600

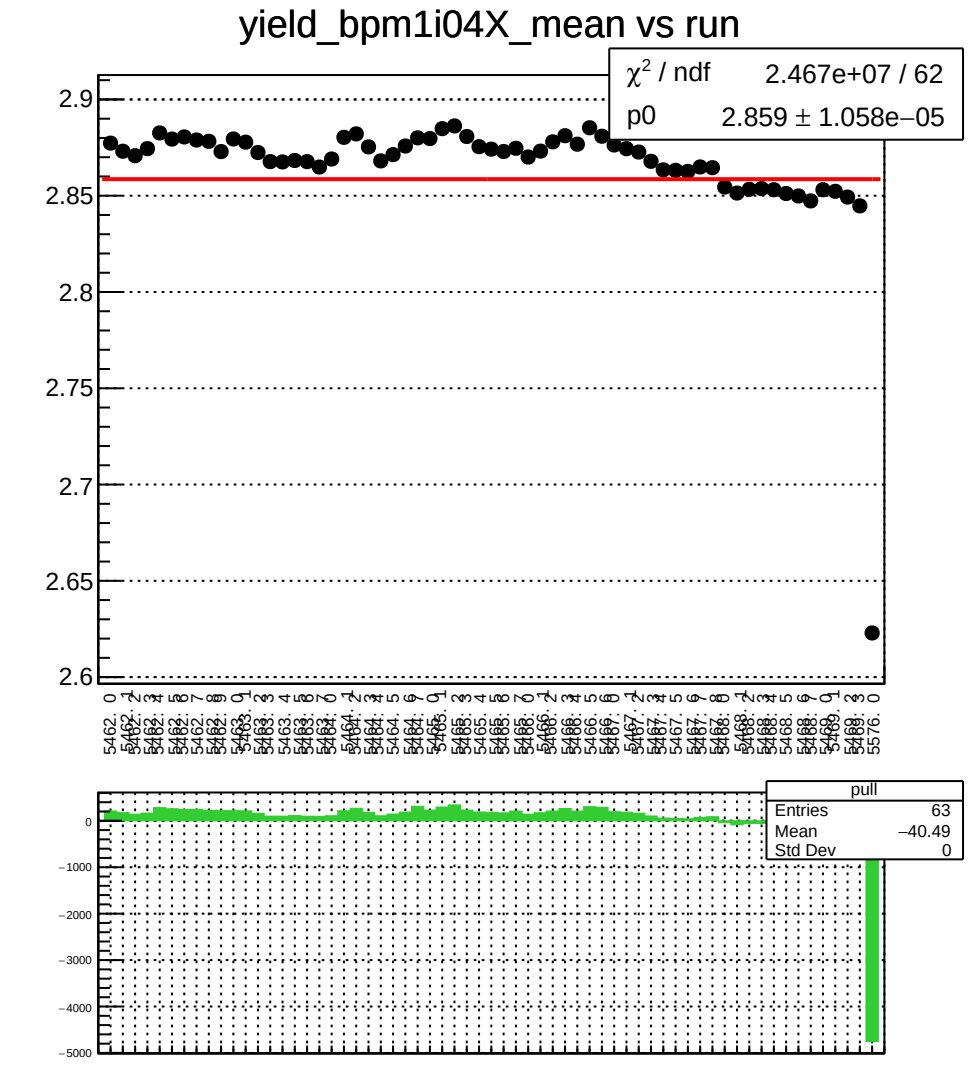

pull1D
Entries 63
Mean −3.275
Std Dev 4.515
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

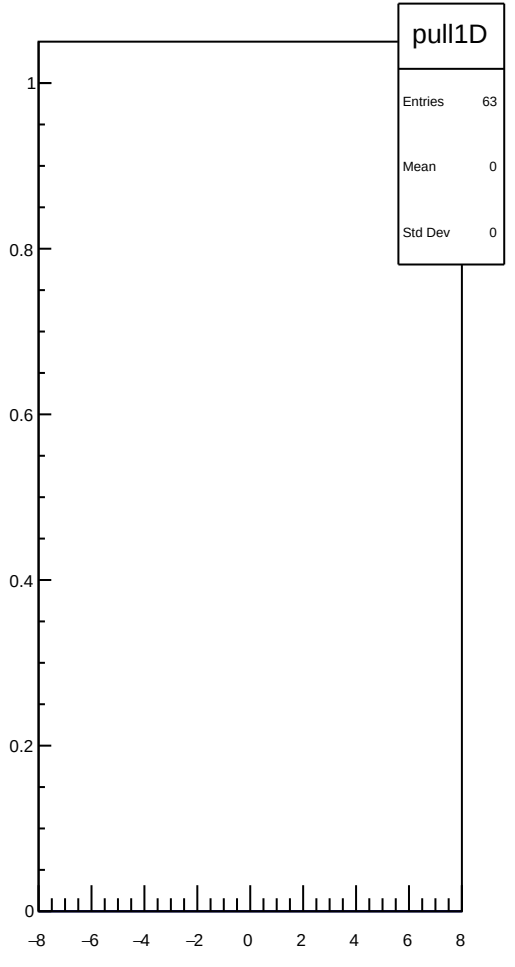

yield_bpm1i02X_rms vs run
χ² / ndf 1.042e+04 / 62
p0 0.01227 ± 1.12e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

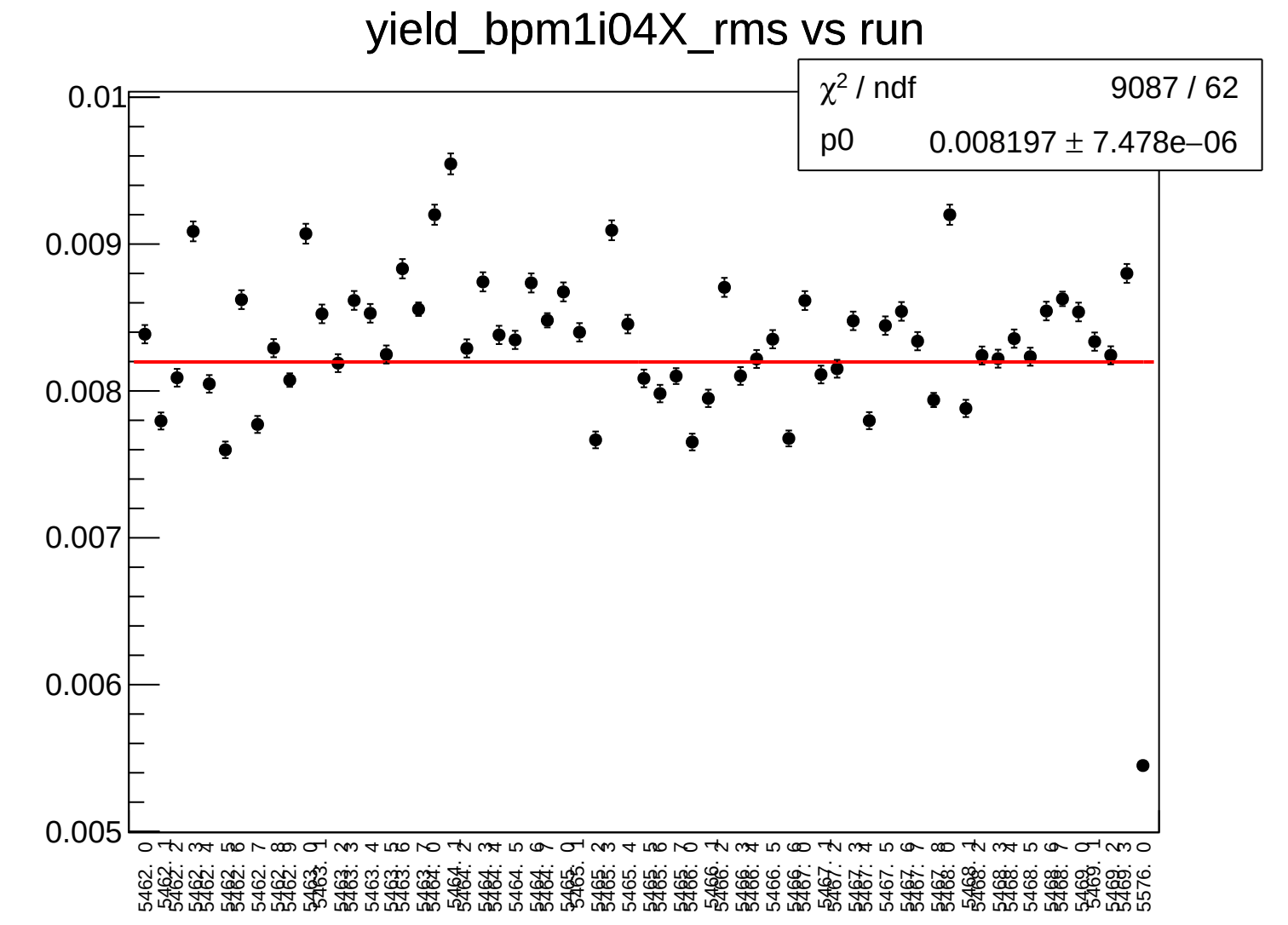

yield_bpm1i02Y_mean vs run
χ² / ndf 9.136e+06 / 62
p0 1.375 ± 7.713e−06
1.4
1.35
1.3
1.25
1.2
pull
Entries 63
Mean 267.2
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

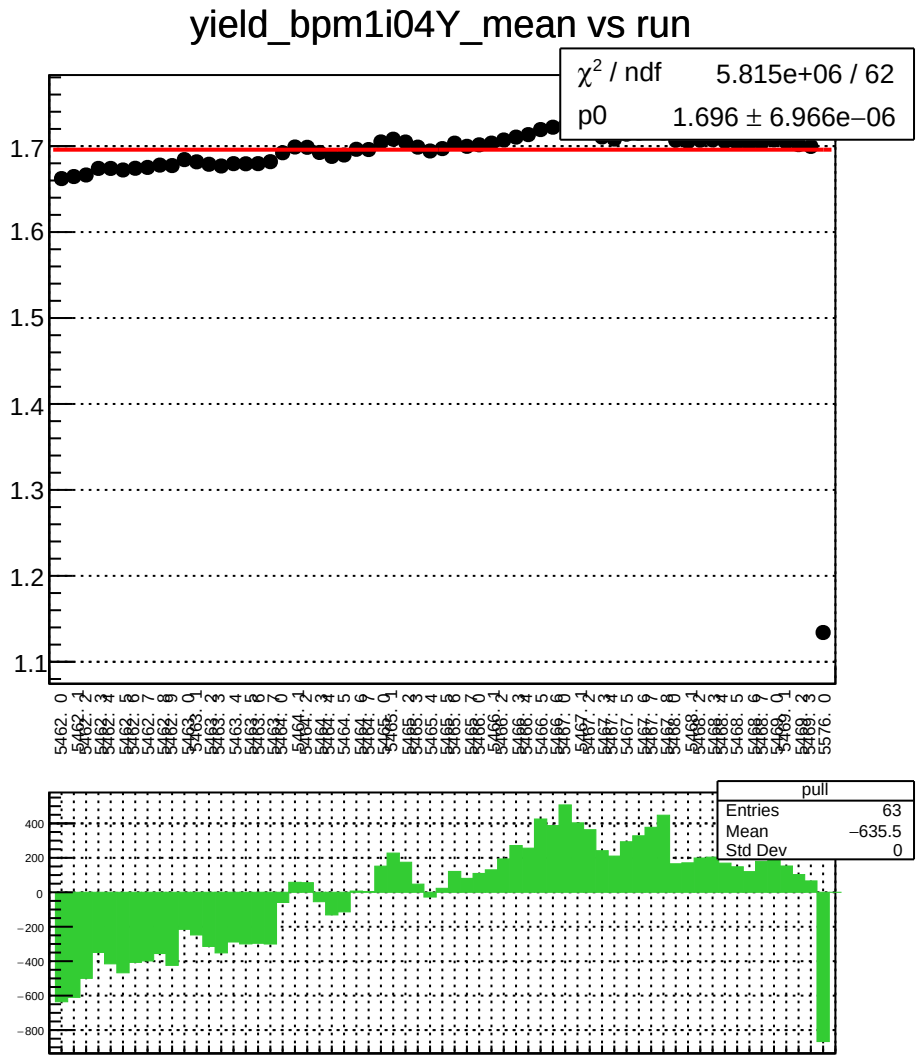

pull1D
Entries 63
Mean −0.9096
Std Dev 2.239
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

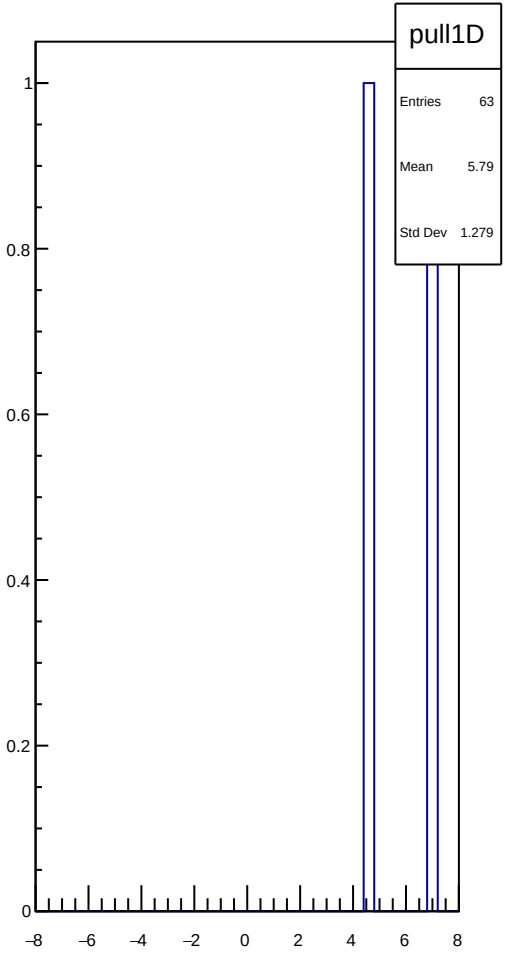

yield_bpm1i02Y_rms vs run
χ² / ndf 1.077e+04 / 62
p0 0.005974 ± 5.454e−06
0.01
0.009
0.008
0.007
0.006
0.005

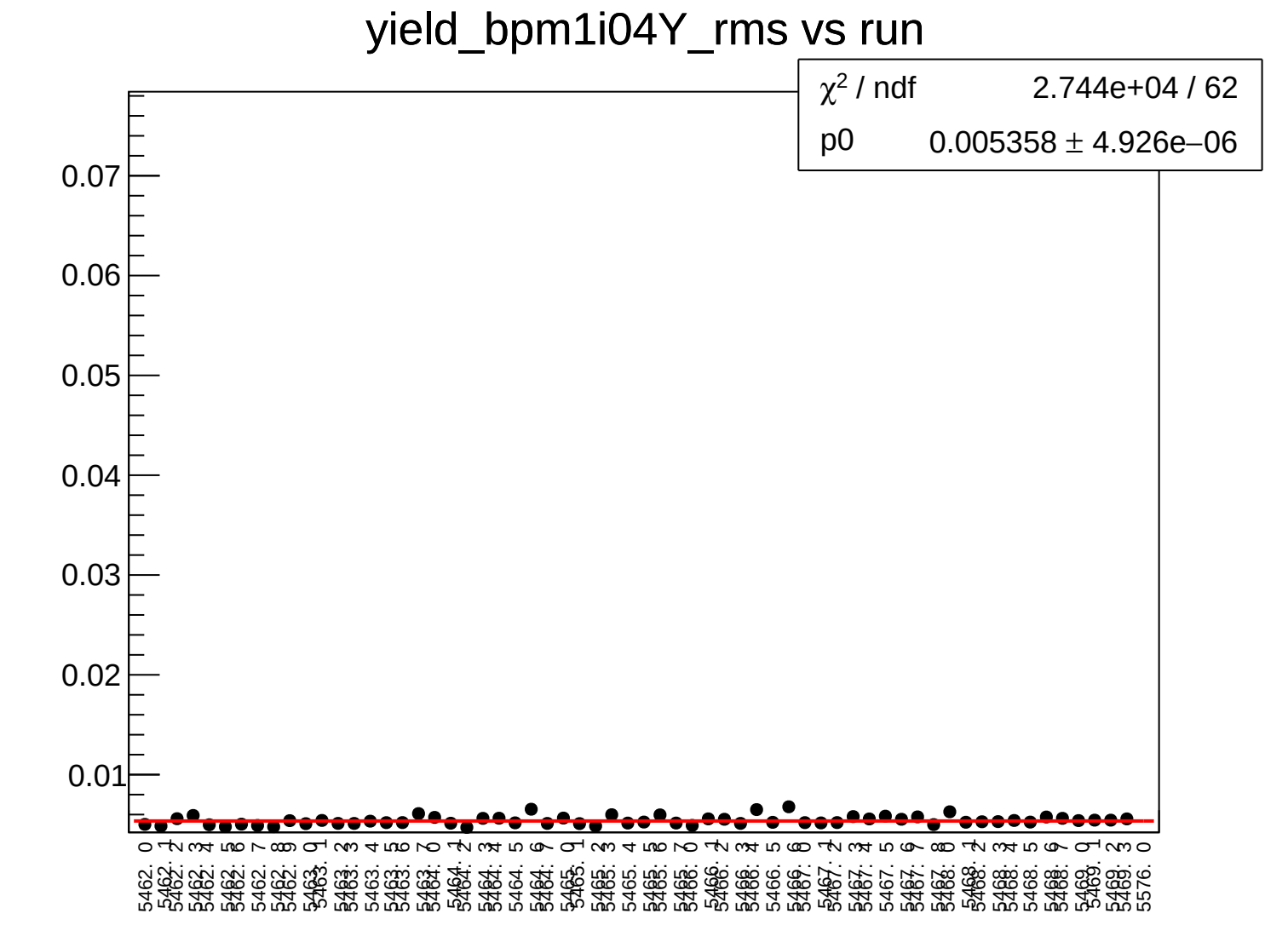

yield_bpm1i04X_mean vs run
χ² / ndf 2.467e+07 / 62
p0 2.859 ± 1.058e−05
pull
Entries 63
Mean −40.49
Std Dev 0

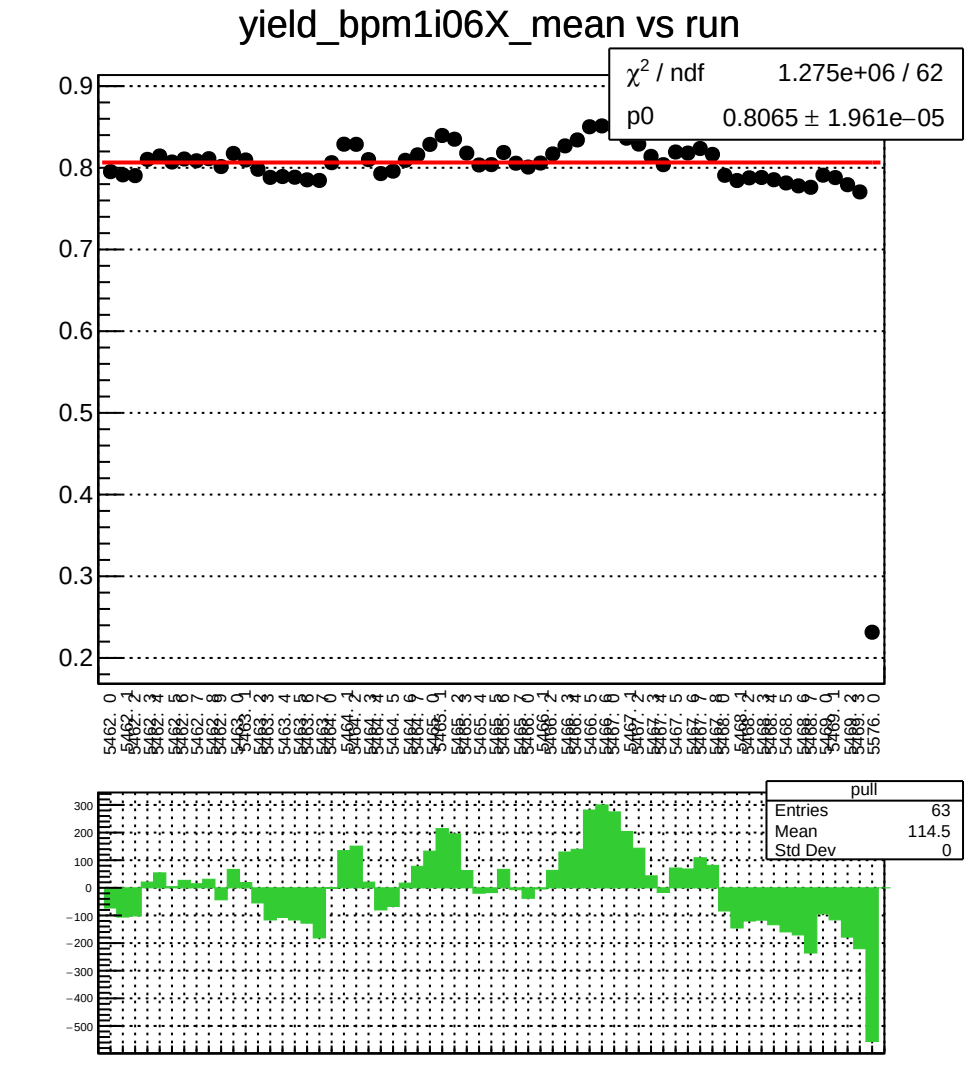

pull1D
Entries 63
Mean 0
Std Dev 0

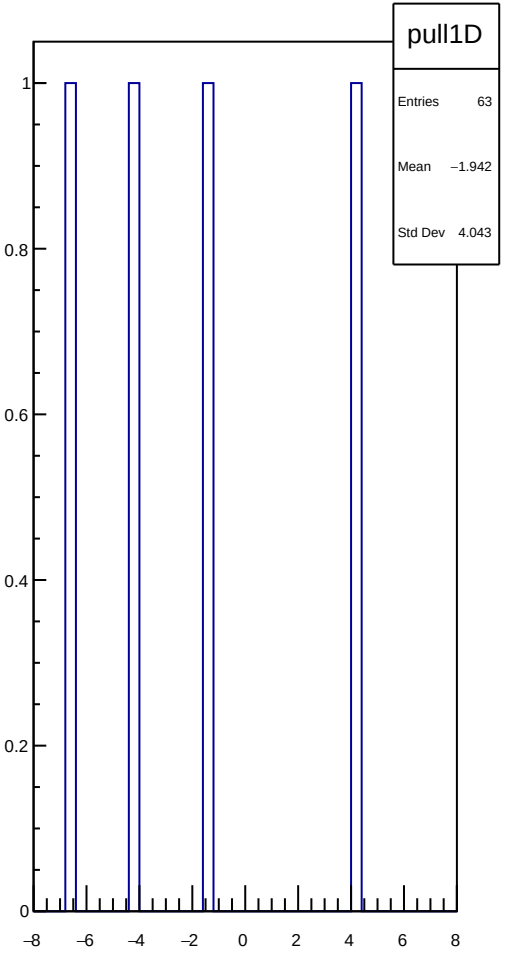

yield_bpm1i04X_rms vs run
χ² / ndf 9087 / 62
p0 0.008197 ± 7.478e−06
0.01
0.009
0.008
0.007
0.006
0.005

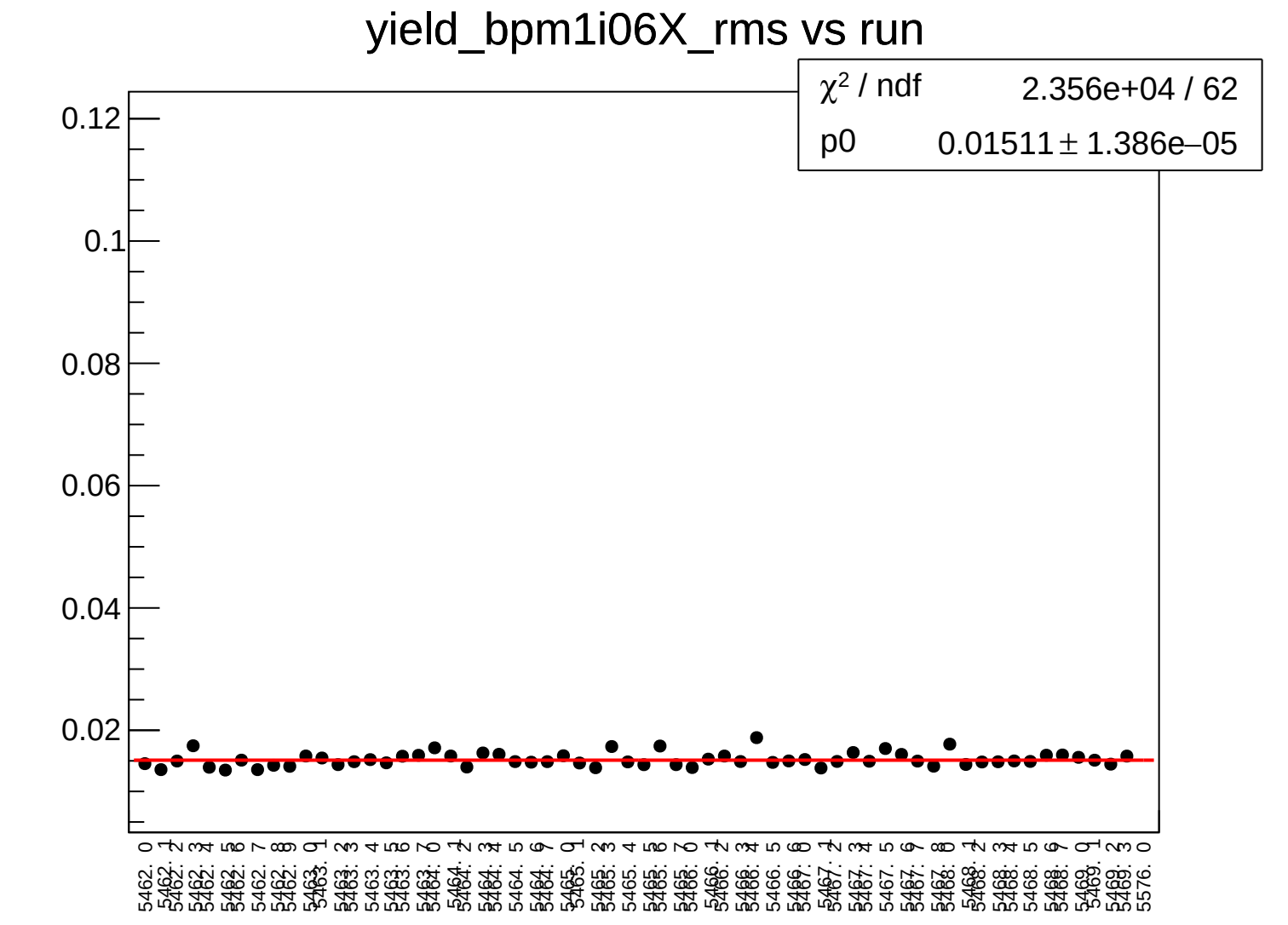

yield_bpm1i04Y_mean vs run
χ² / ndf 5.815e+06 / 62
p0 1.696 ± 6.966e−06
1.7
1.6
1.5
1.4
1.3
1.2
1.1
pull
Entries 63
Mean −635.5
Std Dev 0
400
200
0
−200
−400
−600
−800

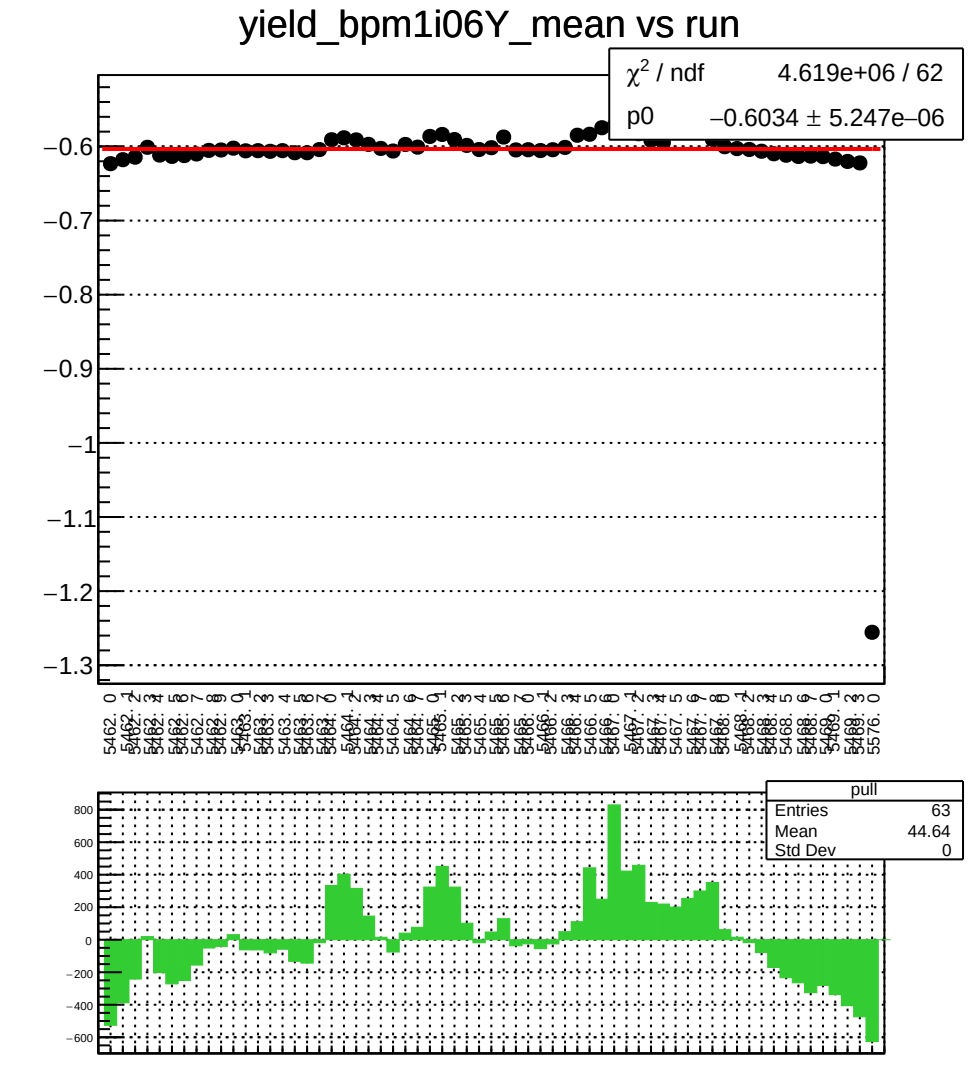

pull1D
Entries 63
Mean 5.79
Std Dev 1.279
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

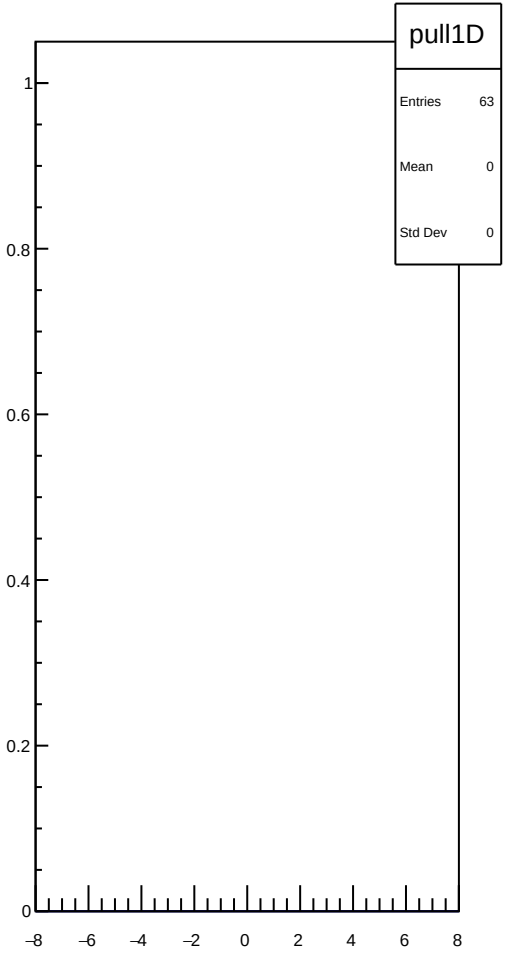

yield_bpm1i04Y_rms vs run
χ² / ndf 2.744e+04 / 62
p0 0.005358 ± 4.926e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

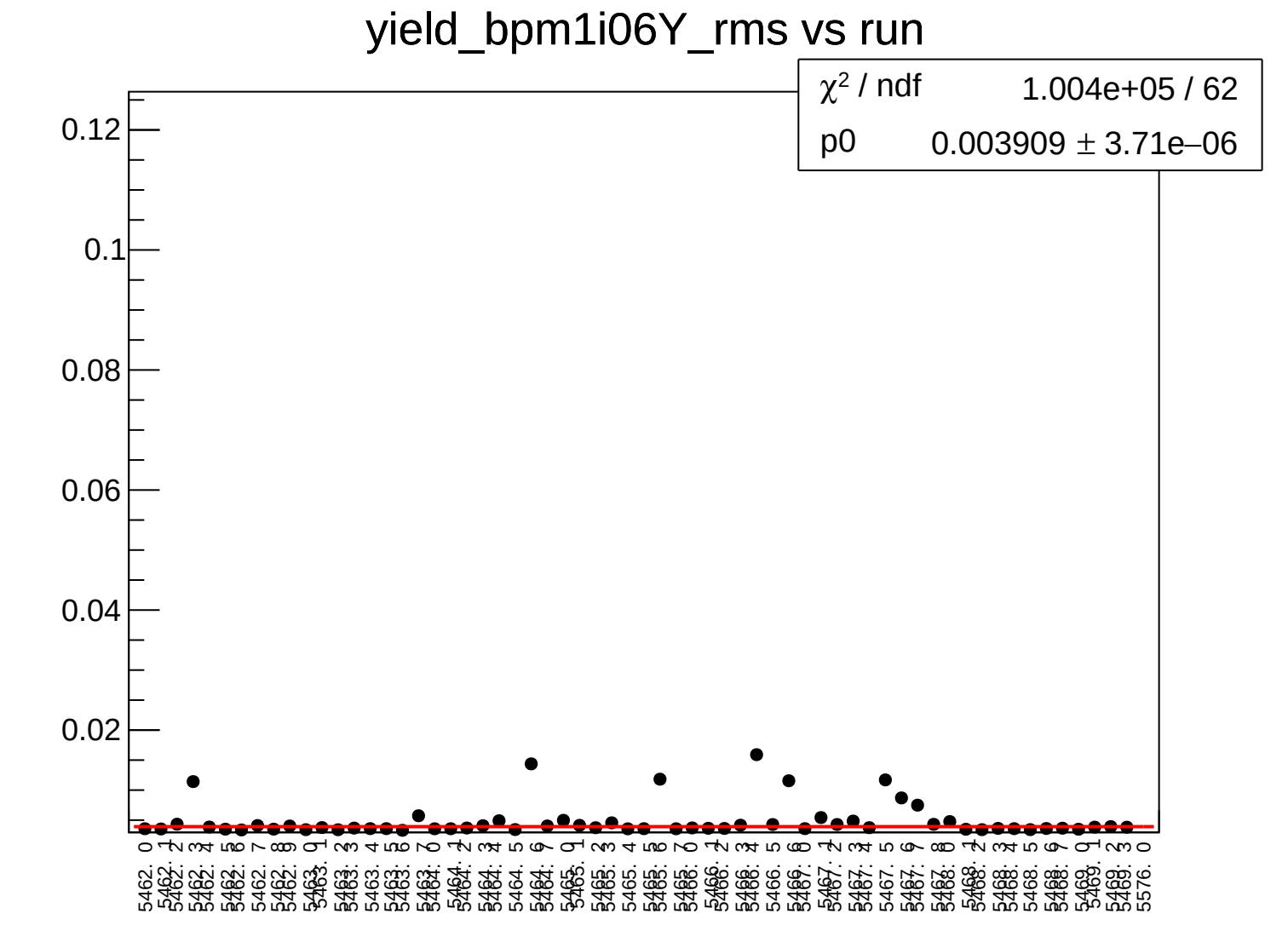

yield_bpm1i06X_mean vs run
χ² / ndf 1.275e+06 / 62
p0 0.8065 ± 1.961e−05
pull
Entries 63
Mean 114.5
Std Dev 0

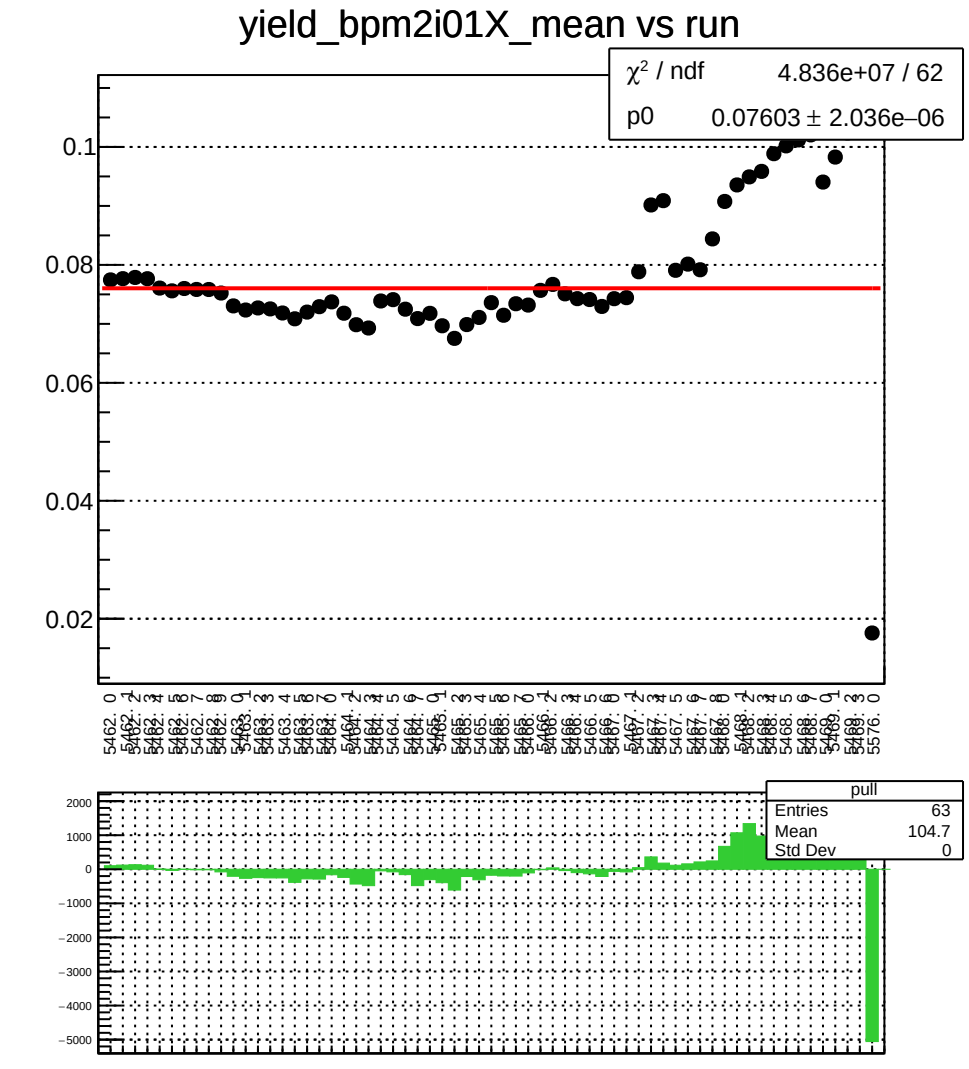

pull1D
Entries 63
Mean −1.942
Std Dev 4.043

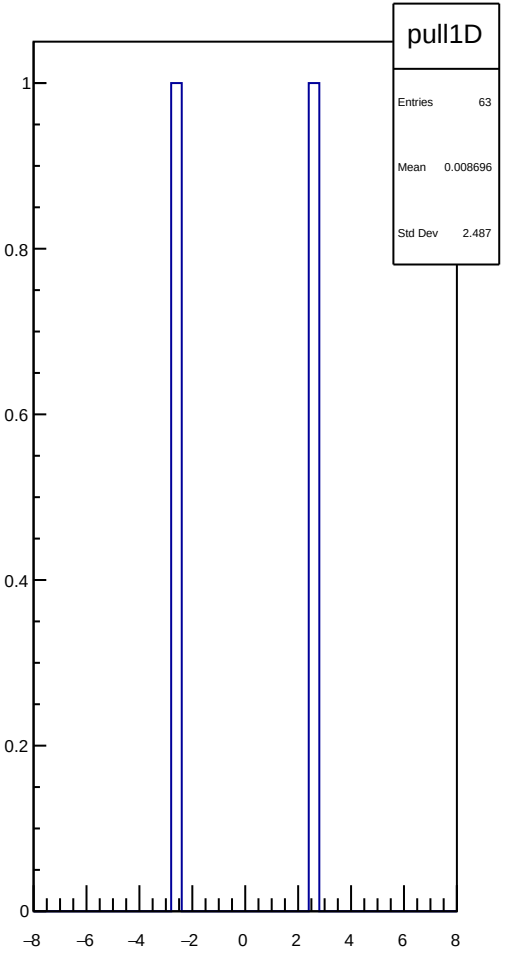

yield_bpm1i06X_rms vs run
χ² / ndf 2.356e+04 / 62
p0 0.01511 ± 1.386e–05
0.12
0.1
0.08
0.06
0.04
0.02

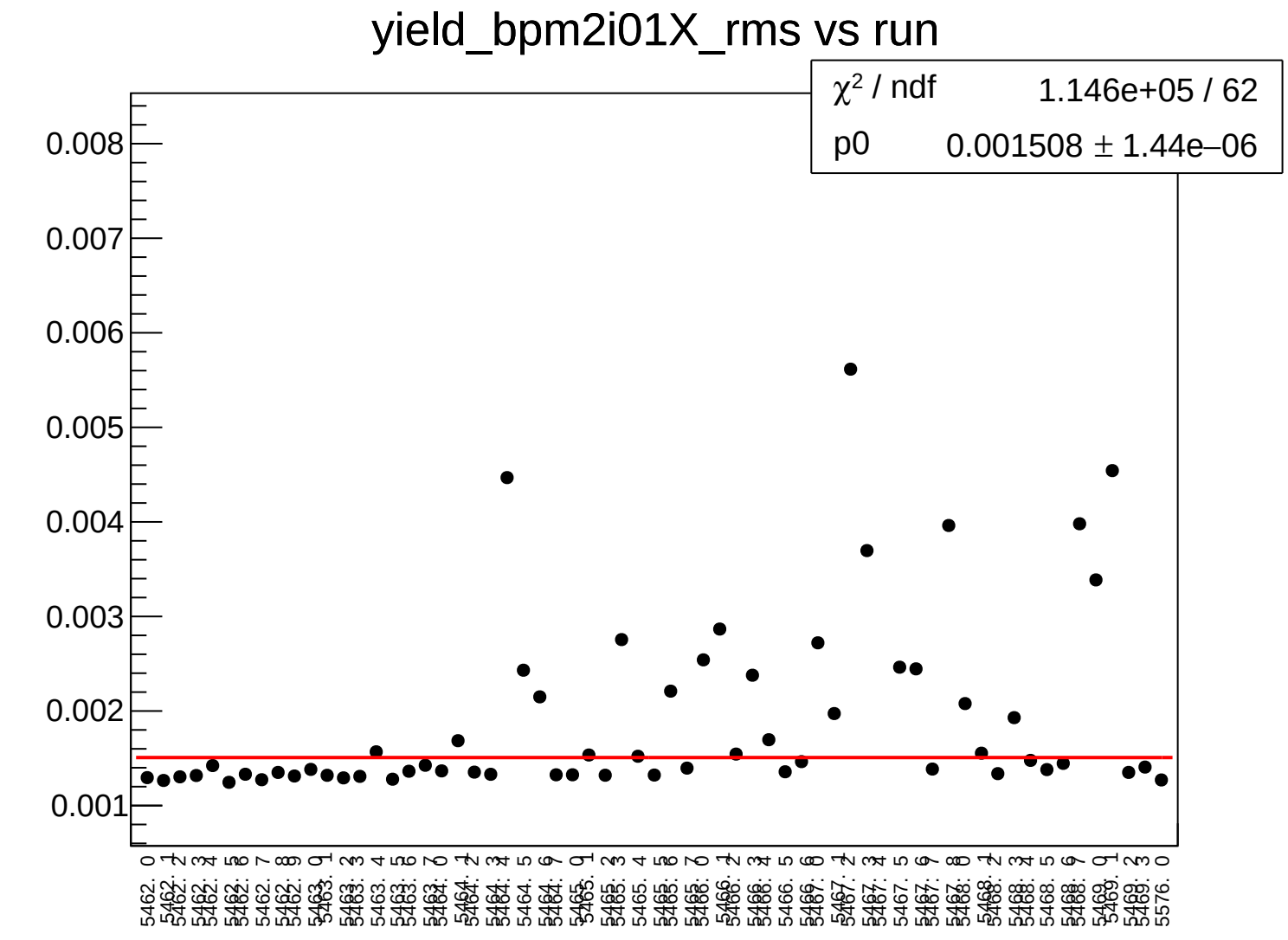

yield_bpm1i06Y_mean vs run
χ² / ndf 4.619e+06 / 62
p0 −0.6034 ± 5.247e−06
pull
Entries 63
Mean 44.64
Std Dev 0

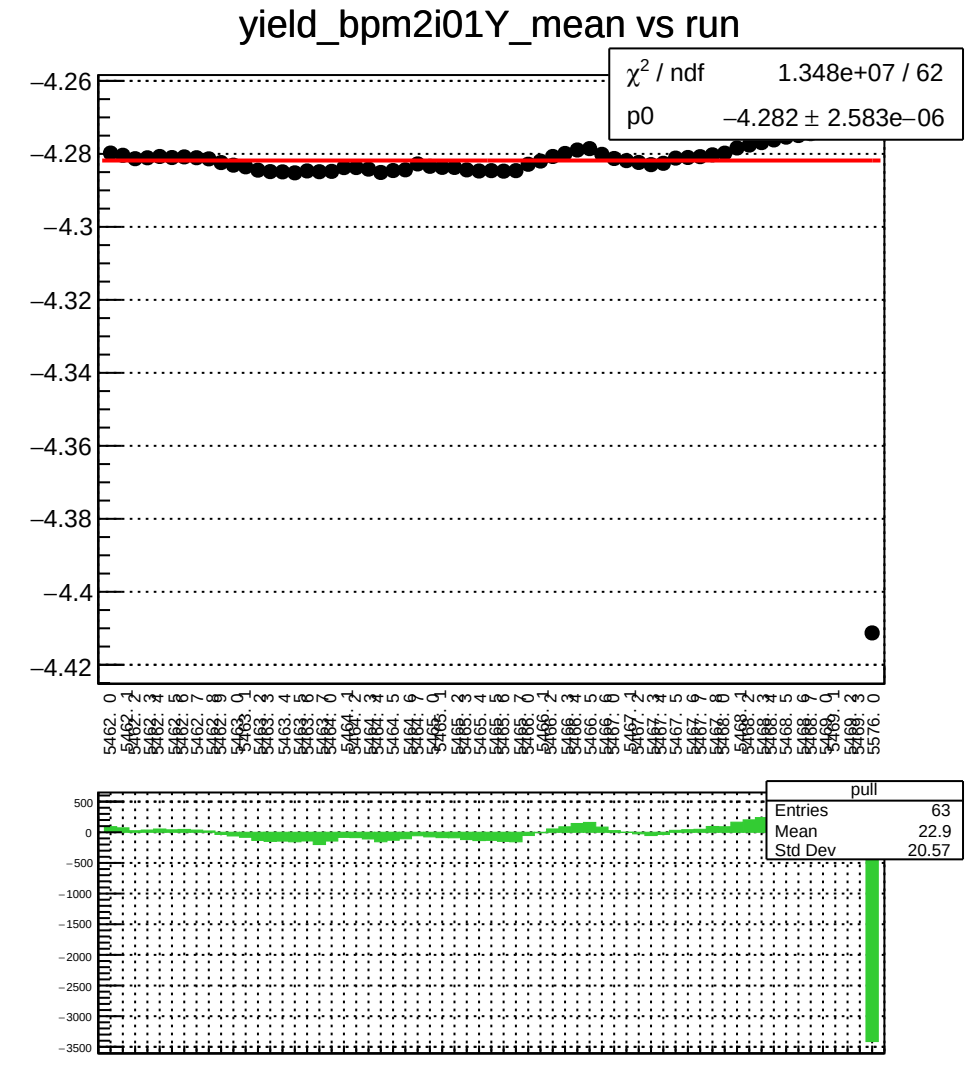

pull1D
Entries 63
Mean 0
Std Dev 0

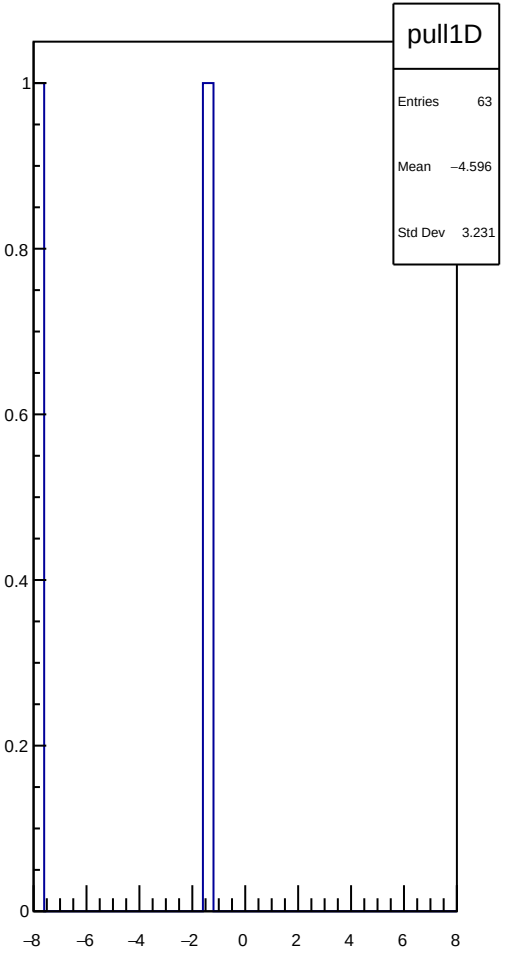

yield_bpm1i06Y_rms vs run
χ² / ndf 1.004e+05 / 62
p0 0.003909 ± 3.71e–06
0.12
0.1
0.08
0.06
0.04
0.02

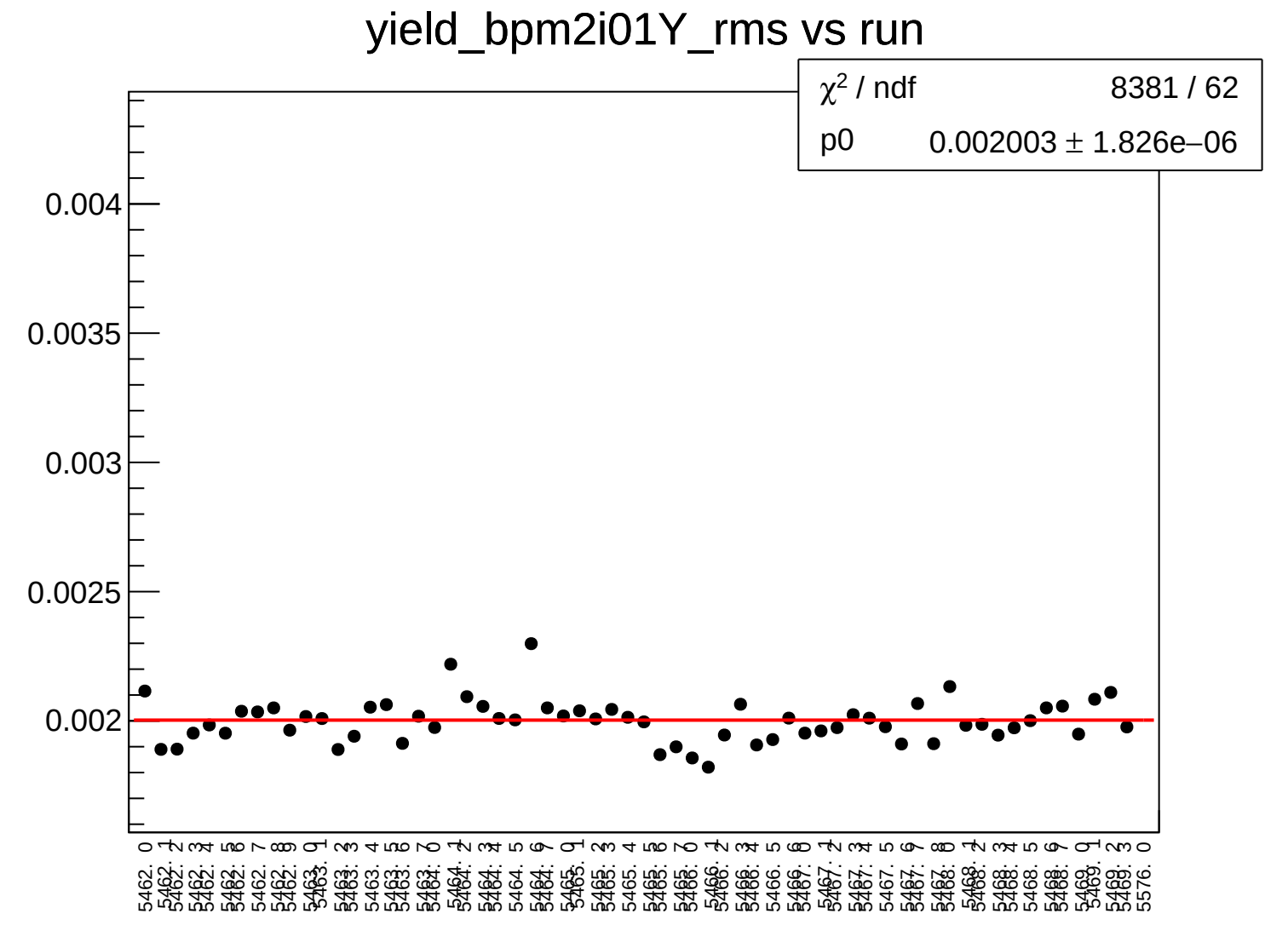

yield_bpm2i01X_mean vs run
χ² / ndf 4.836e+07 / 62
p0 0.07603 ± 2.036e−06
0.1
0.08
0.06
0.04
0.02
pull
Entries 63
Mean 104.7
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000
−5000

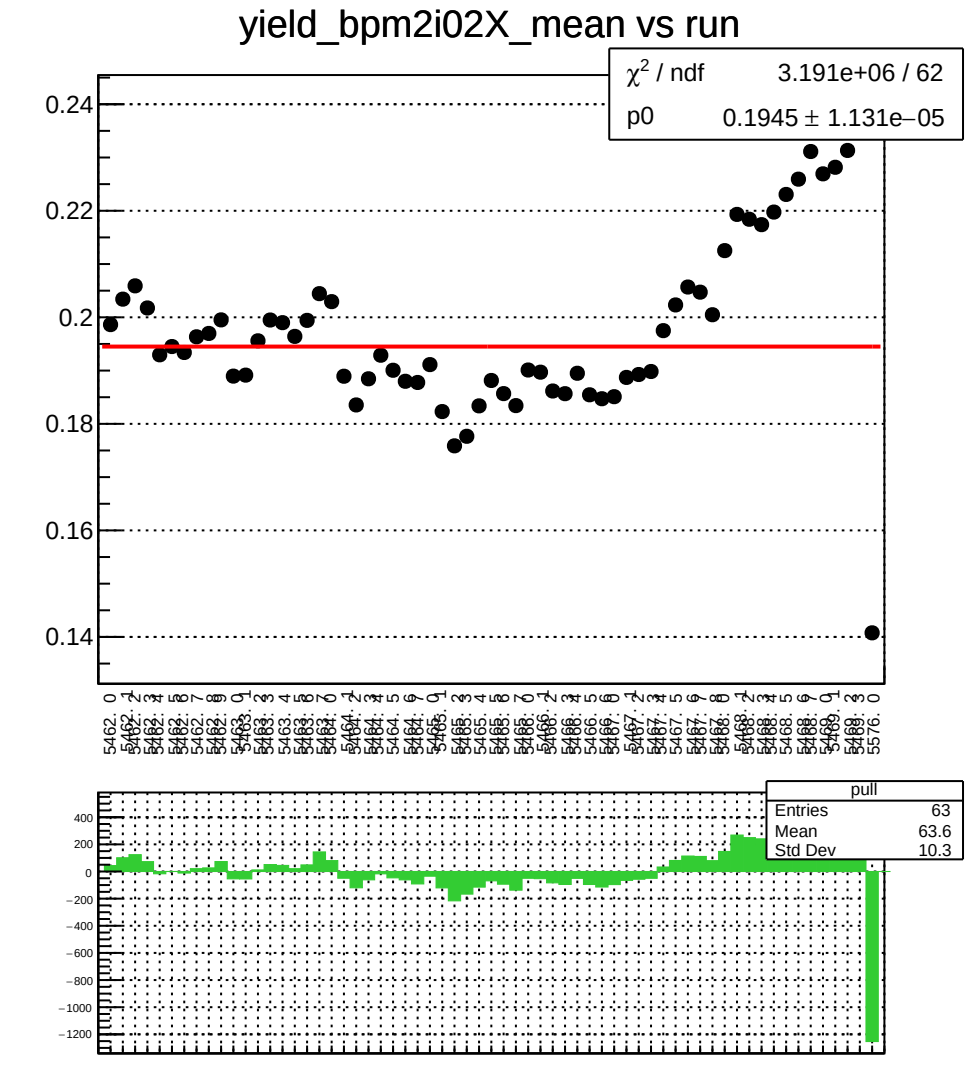

pull1D
Entries 63
Mean 0.008696
Std Dev 2.487
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

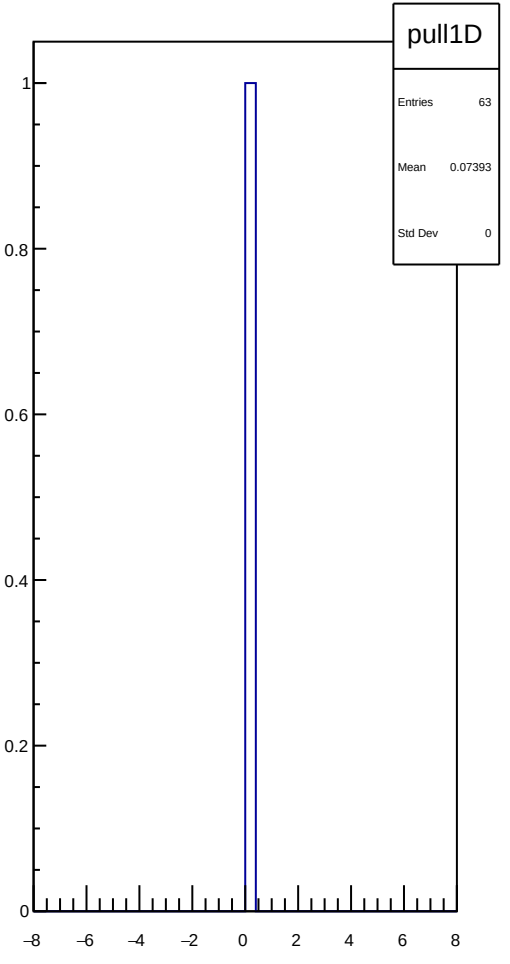

yield_bpm2i01X_rms vs run
χ² / ndf 1.146e+05 / 62
p0 0.001508 ± 1.44e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

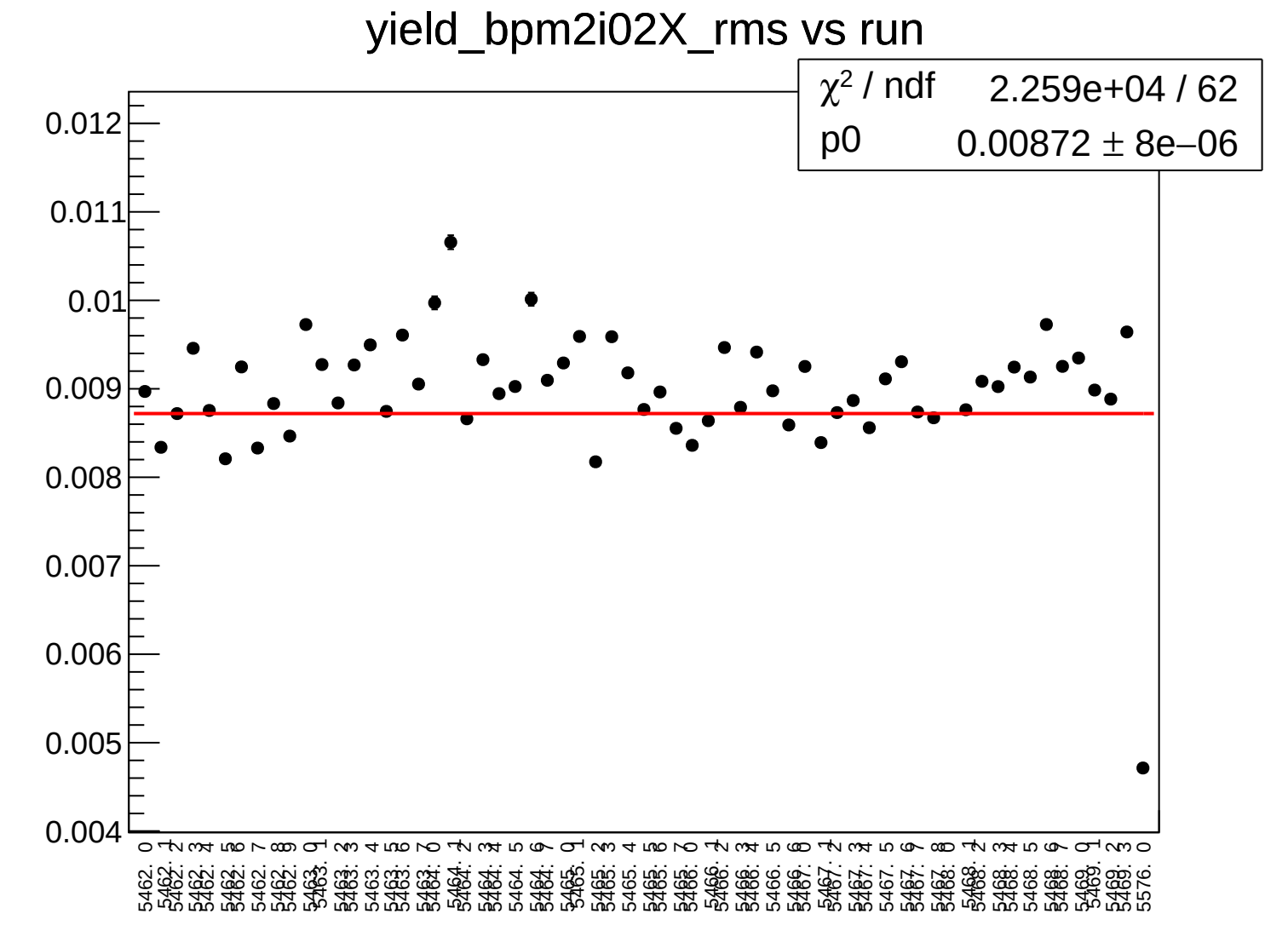

yield_bpm2i01Y_mean vs run
χ² / ndf 1.348e+07 / 62
p0 −4.282 ± 2.583e−06
−4.26
−4.28
−4.3
−4.32
−4.34
−4.36
−4.38
−4.4
−4.42
pull
Entries 63
Mean 22.9
Std Dev 20.57
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

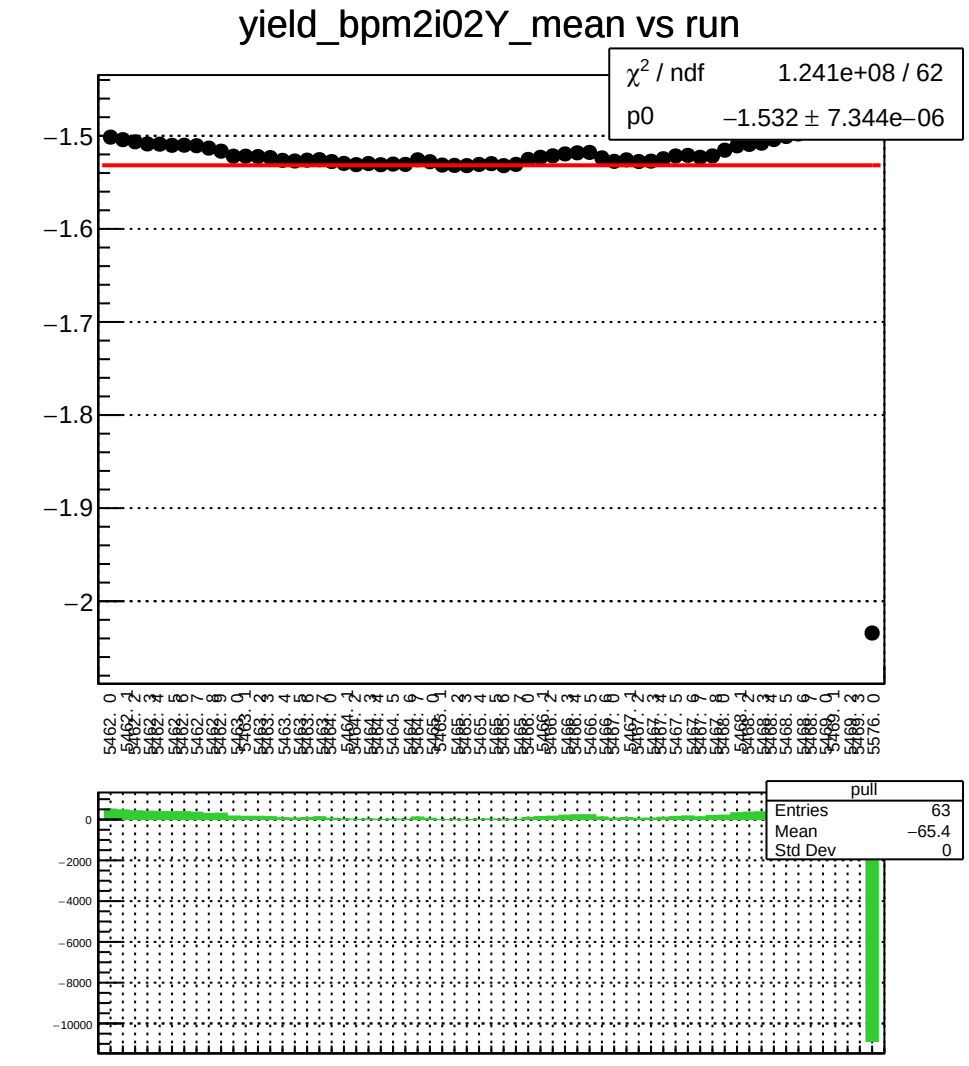

pull1D
Entries 63
Mean −4.596
Std Dev 3.231
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

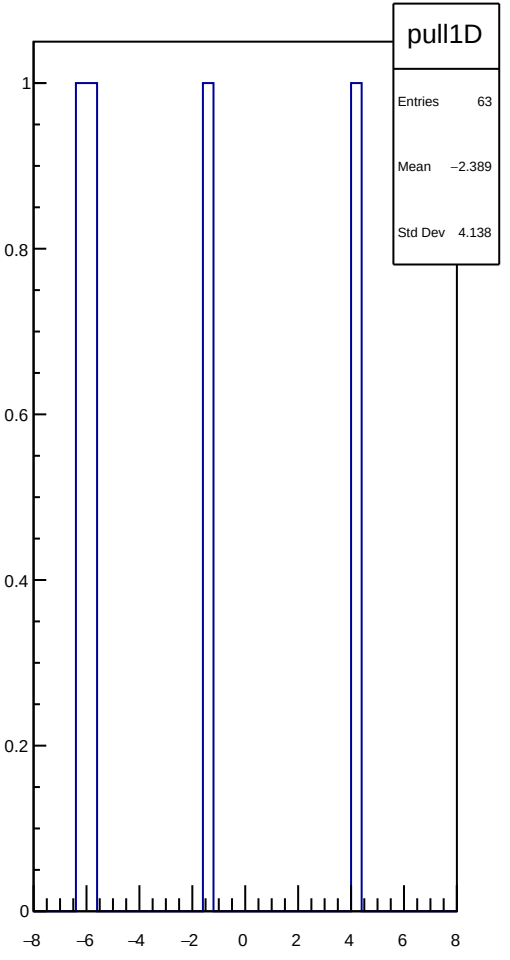

yield_bpm2i01Y_rms vs run
χ² / ndf 8381 / 62
p0 0.002003 ± 1.826e−06
0.004
0.0035
0.003
0.0025
0.002

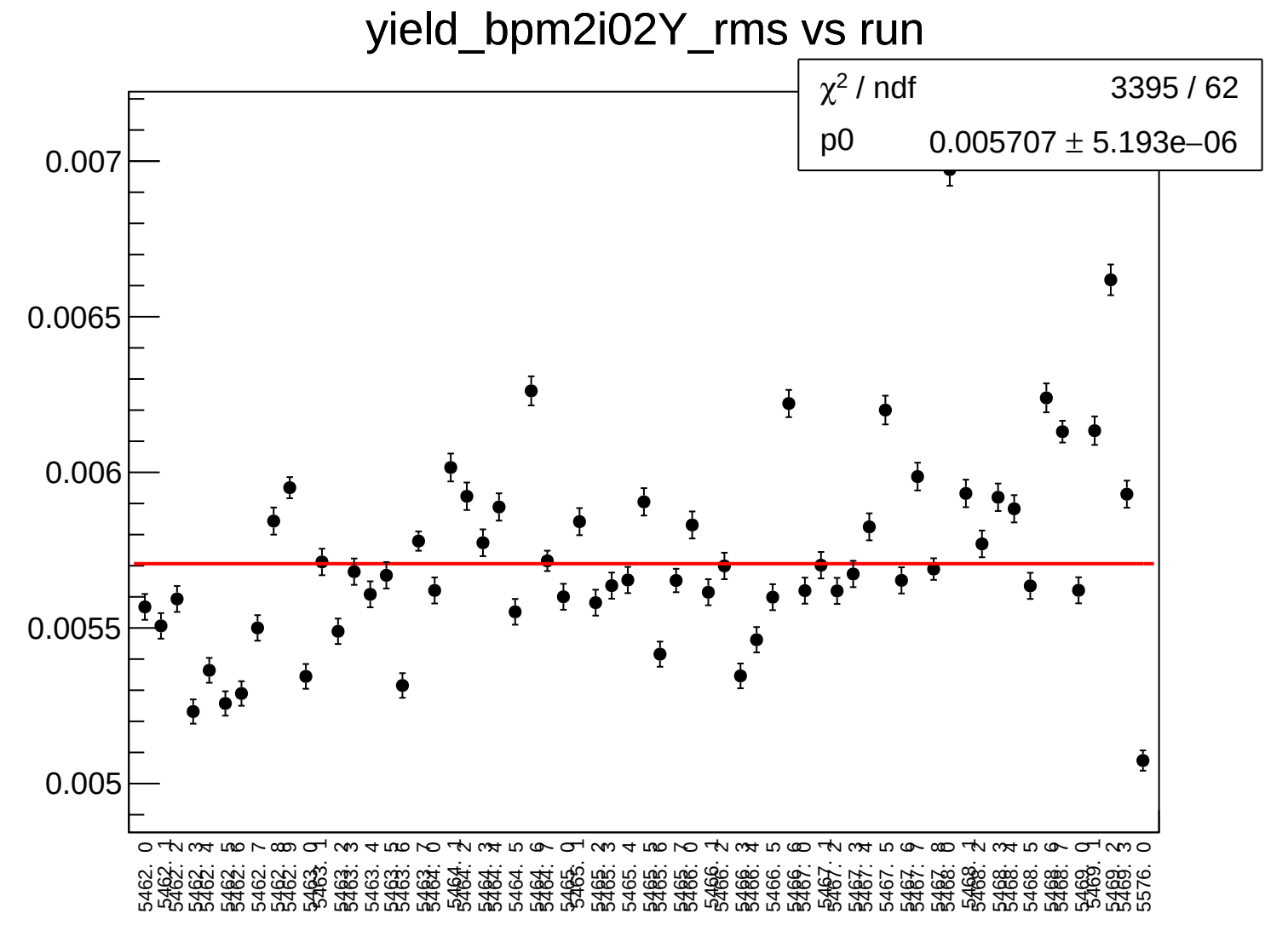

yield_bpm2i02X_mean vs run
χ² / ndf 3.191e+06 / 62
p0 0.1945 ± 1.131e−05
0.24
0.22
0.2
0.18
0.16
0.14
pull
Entries 63
Mean 63.6
Std Dev 10.3
400
200
0
−200
−400
−600
−800
−1000
−1200

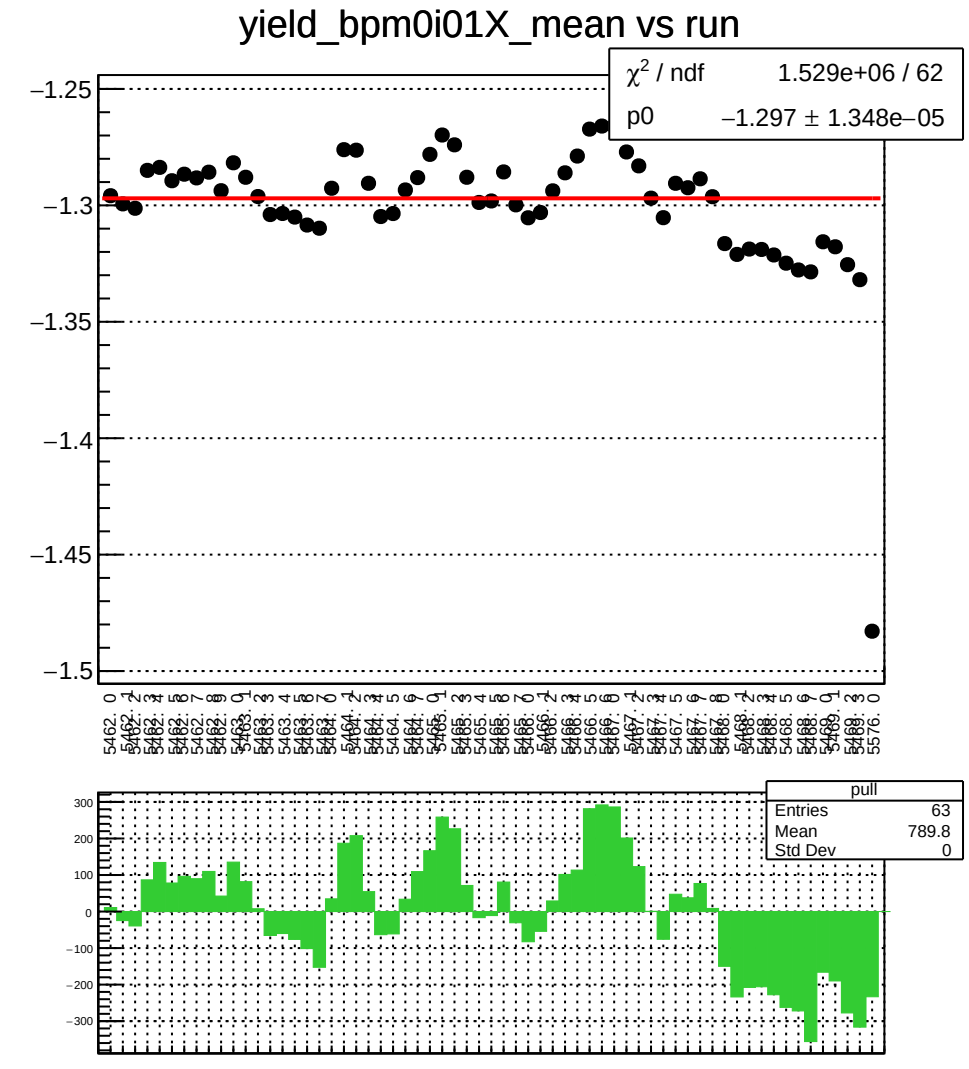

pull1D
Entries 63
Mean 0.07393
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

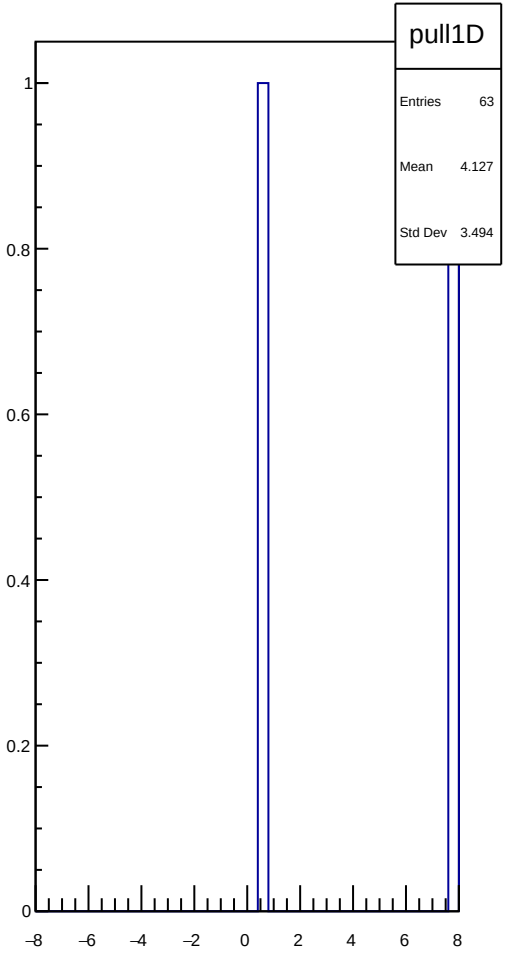

yield_bpm2i02X_rms vs run
χ² / ndf 2.259e+04 / 62
p0 0.00872 ± 8e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

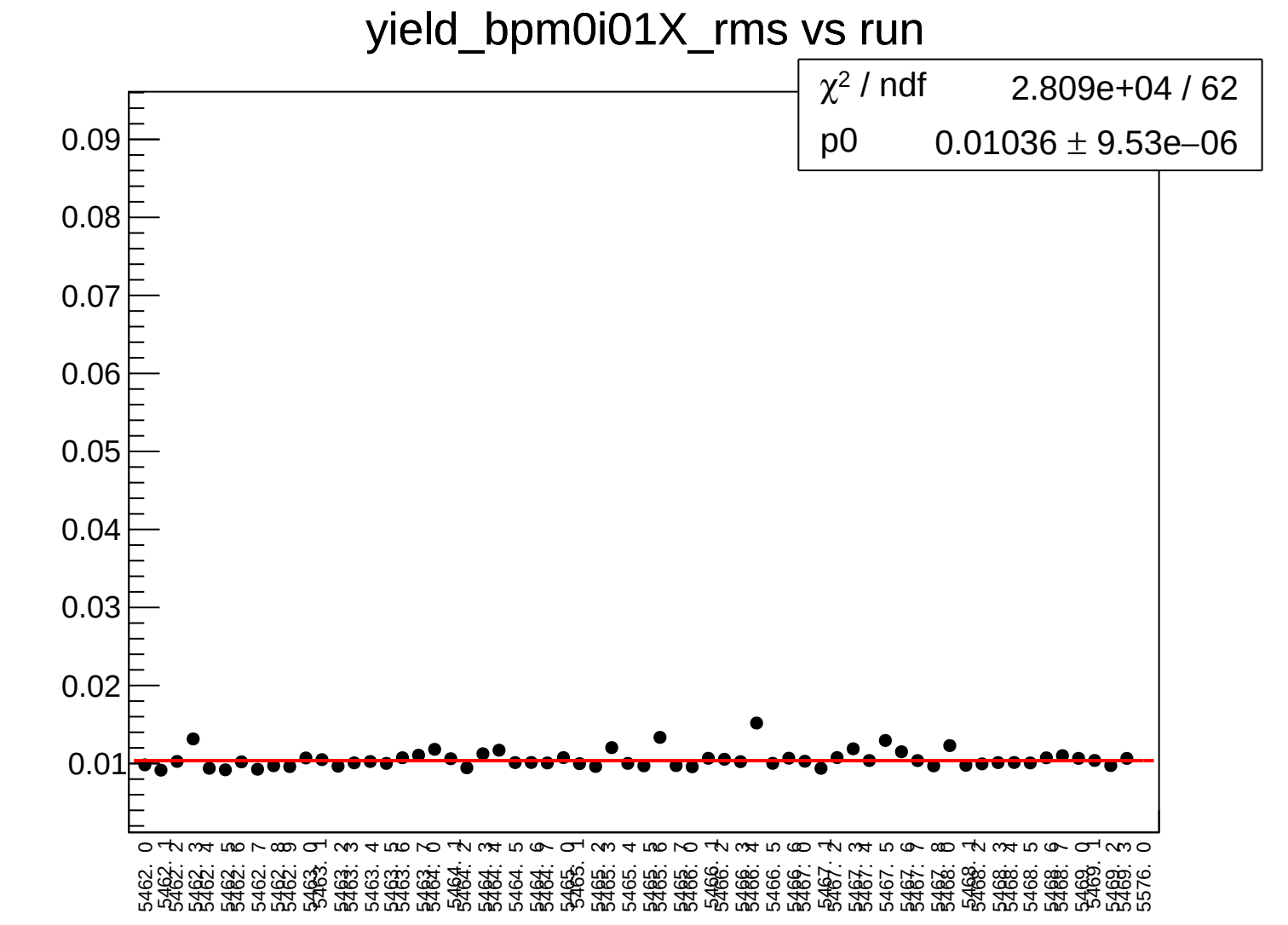

yield_bpm2i02Y_mean vs run
χ² / ndf 1.241e+08 / 62
p0 −1.532 ± 7.344e−06
−1.5
−1.6
−1.7
−1.8
−1.9
−2
pull
Entries 63
Mean −65.4
Std Dev 0
0
−2000
−4000
−6000
−8000
−10000

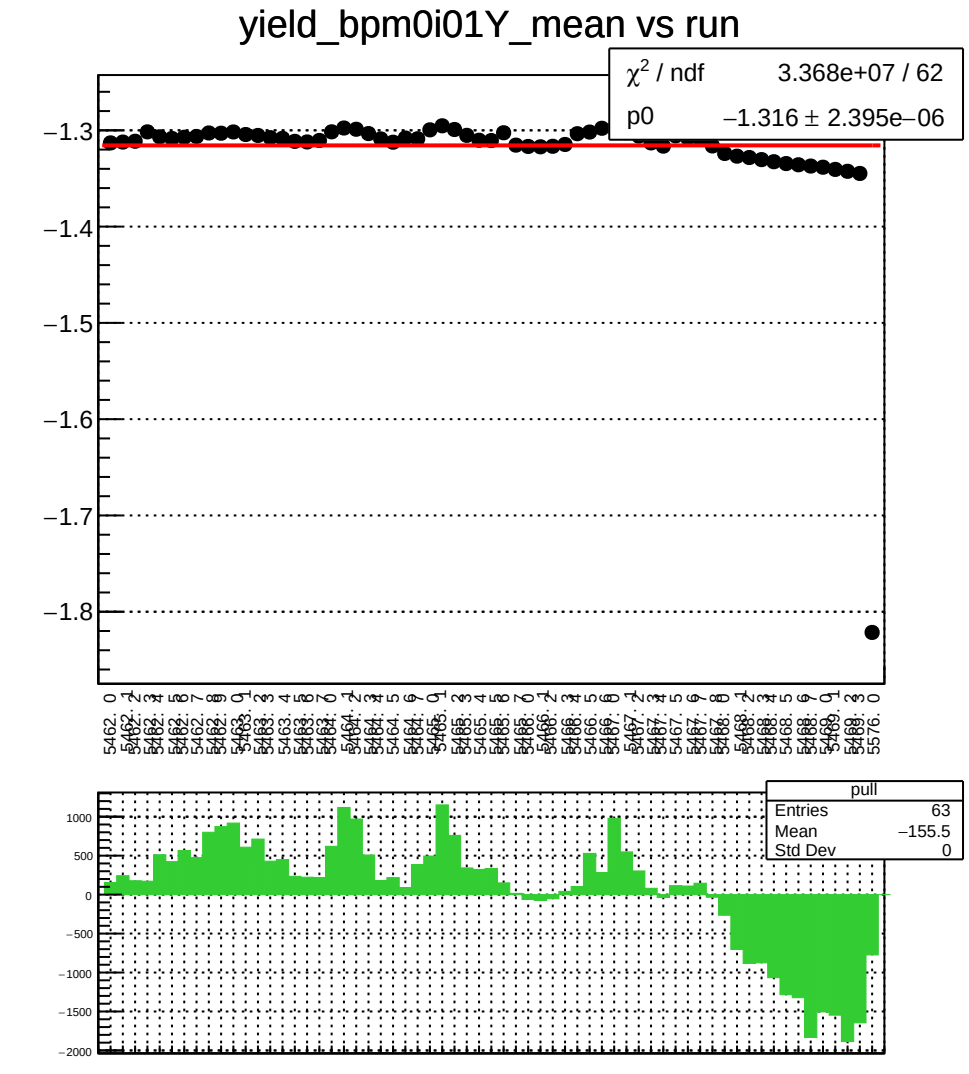

pull1D
Entries 63
Mean −2.389
Std Dev 4.138
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

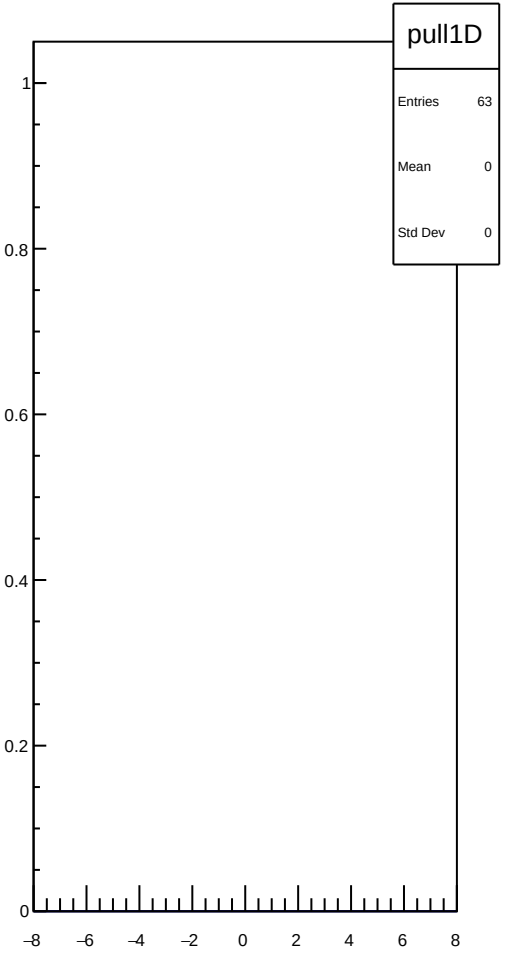

yield_bpm2i02Y_rms vs run
χ² / ndf 3395 / 62
p0 0.005707 ± 5.193e−06
0.007
0.0065
0.006
0.0055
0.005

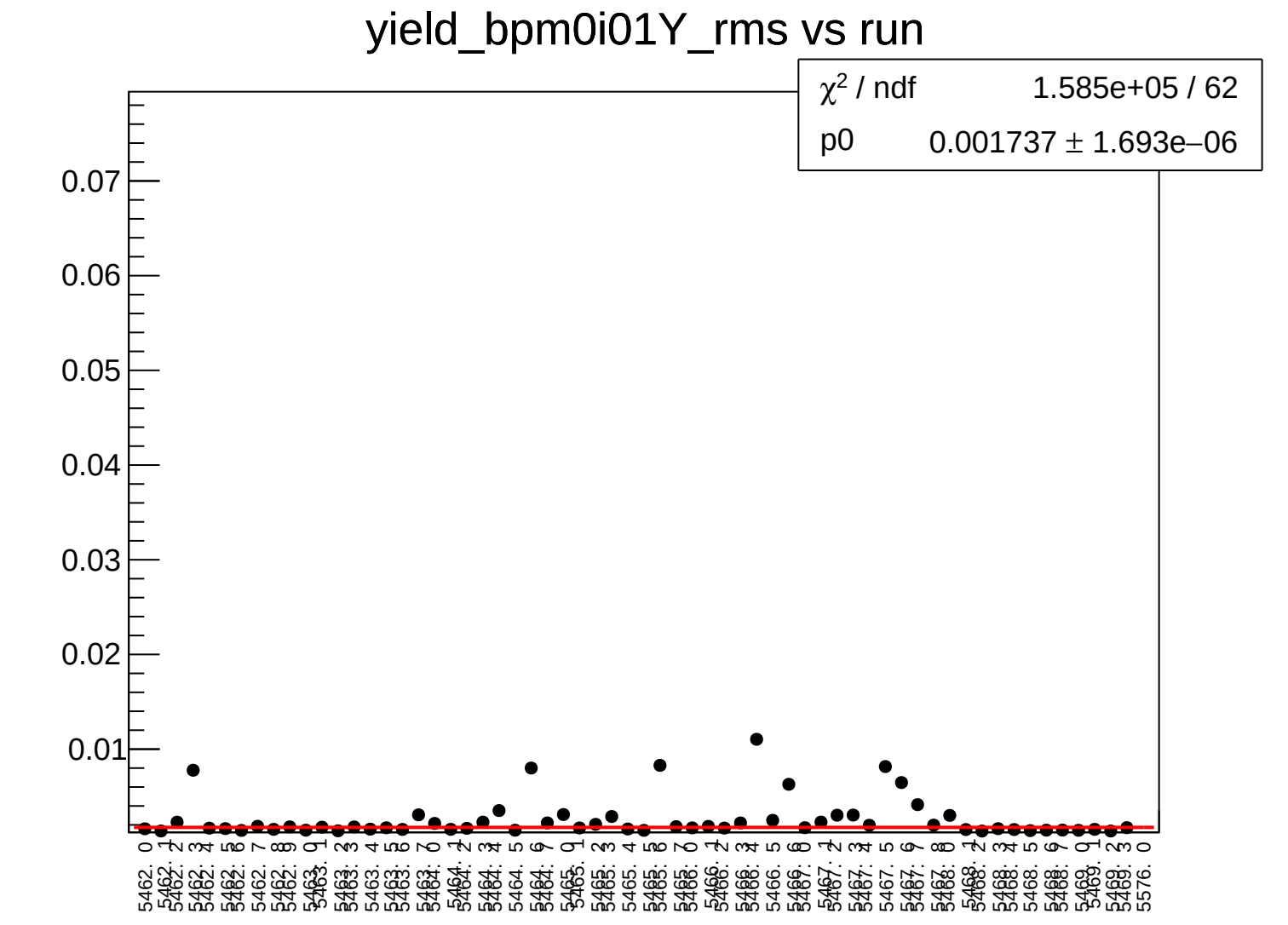

yield_bpm0i01X_mean vs run
χ² / ndf 1.529e+06 / 62
p0 −1.297 ± 1.348e−05
−1.25
−1.3
−1.35
−1.4
−1.45
−1.5
pull
Entries 63
Mean 789.8
Std Dev 0
300
200
100
0
−100
−200
−300

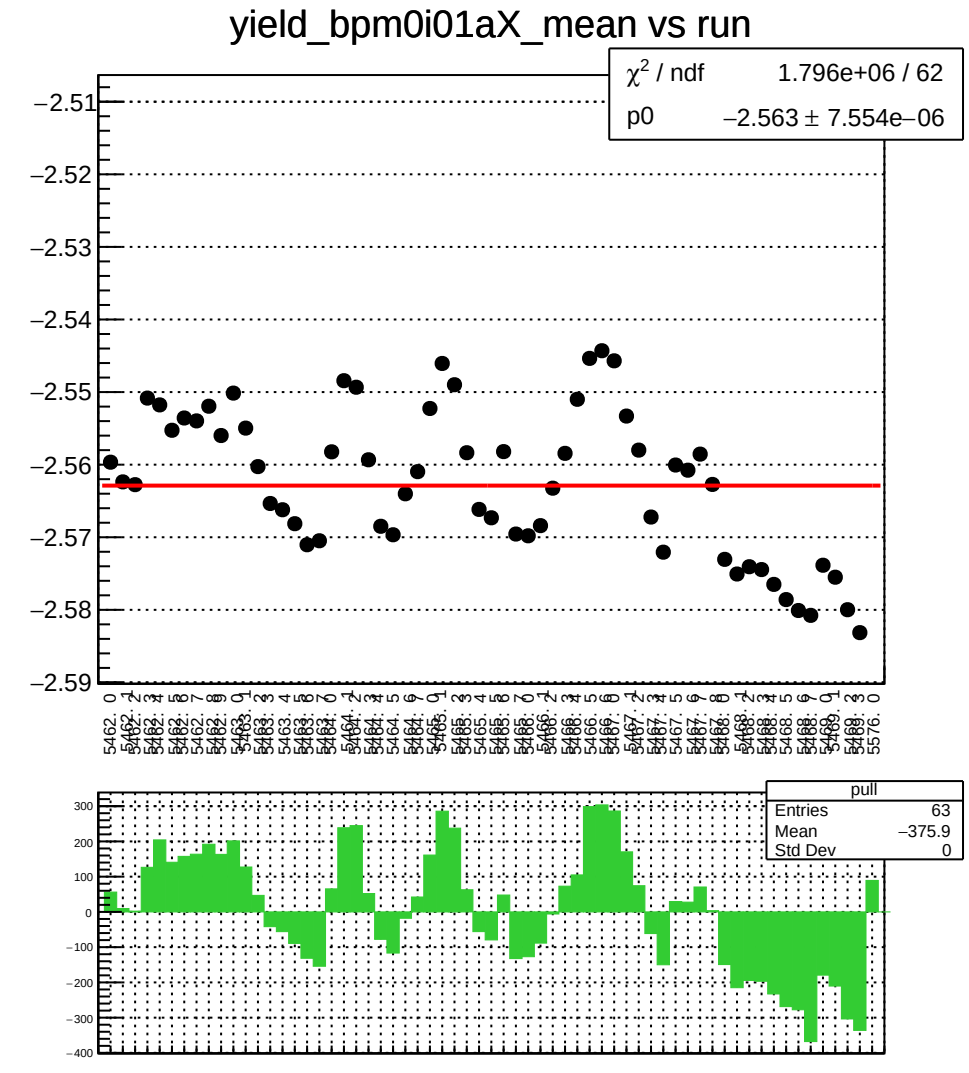

pull1D
Entries 63
Mean 4.127
Std Dev 3.494
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

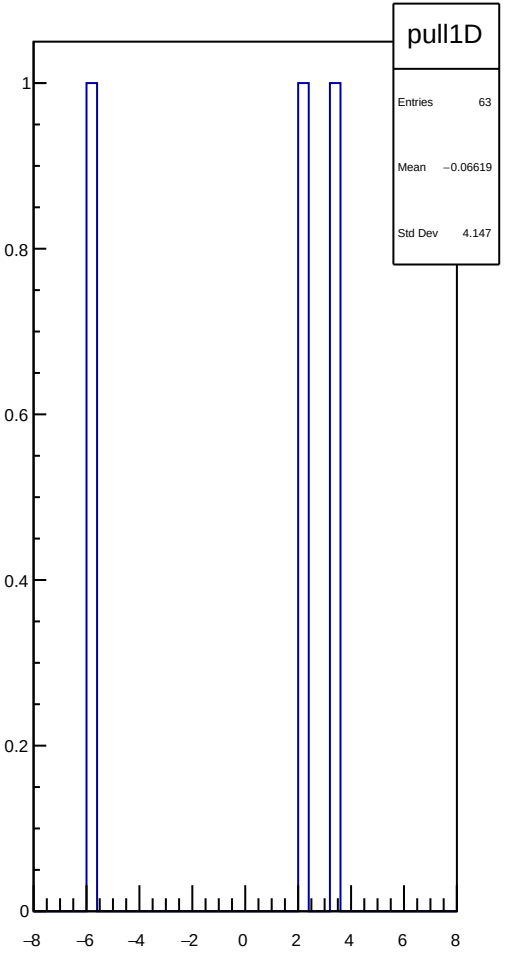

yield_bpm0i01X_rms vs run
χ² / ndf 2.809e+04 / 62
p0 0.01036 ± 9.53e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

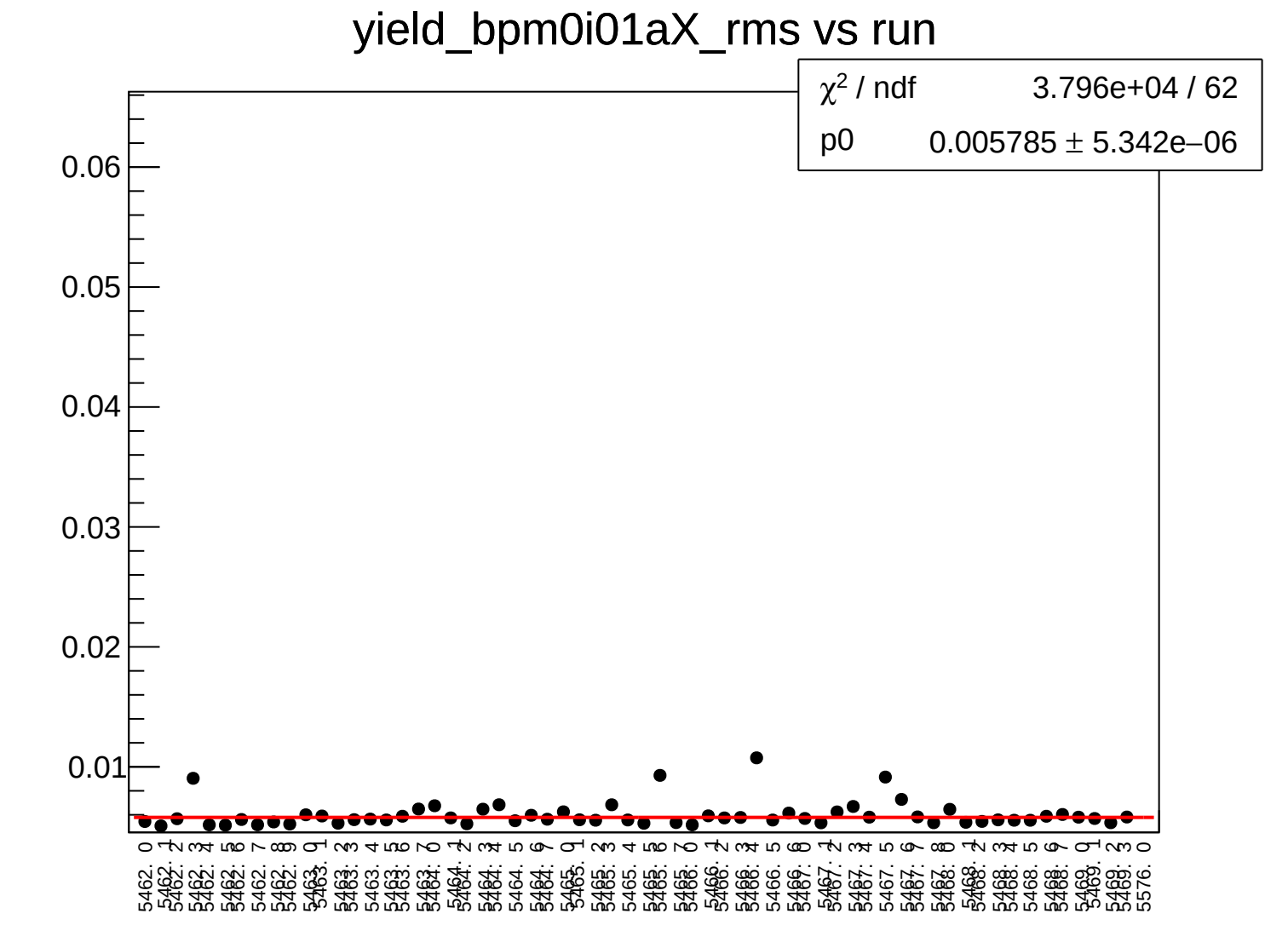

yield_bpm0i01Y_mean vs run
χ² / ndf 3.368e+07 / 62
p0 −1.316 ± 2.395e−06
−1.3
−1.4
−1.5
−1.6
−1.7
−1.8
pull
Entries 63
Mean −155.5
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

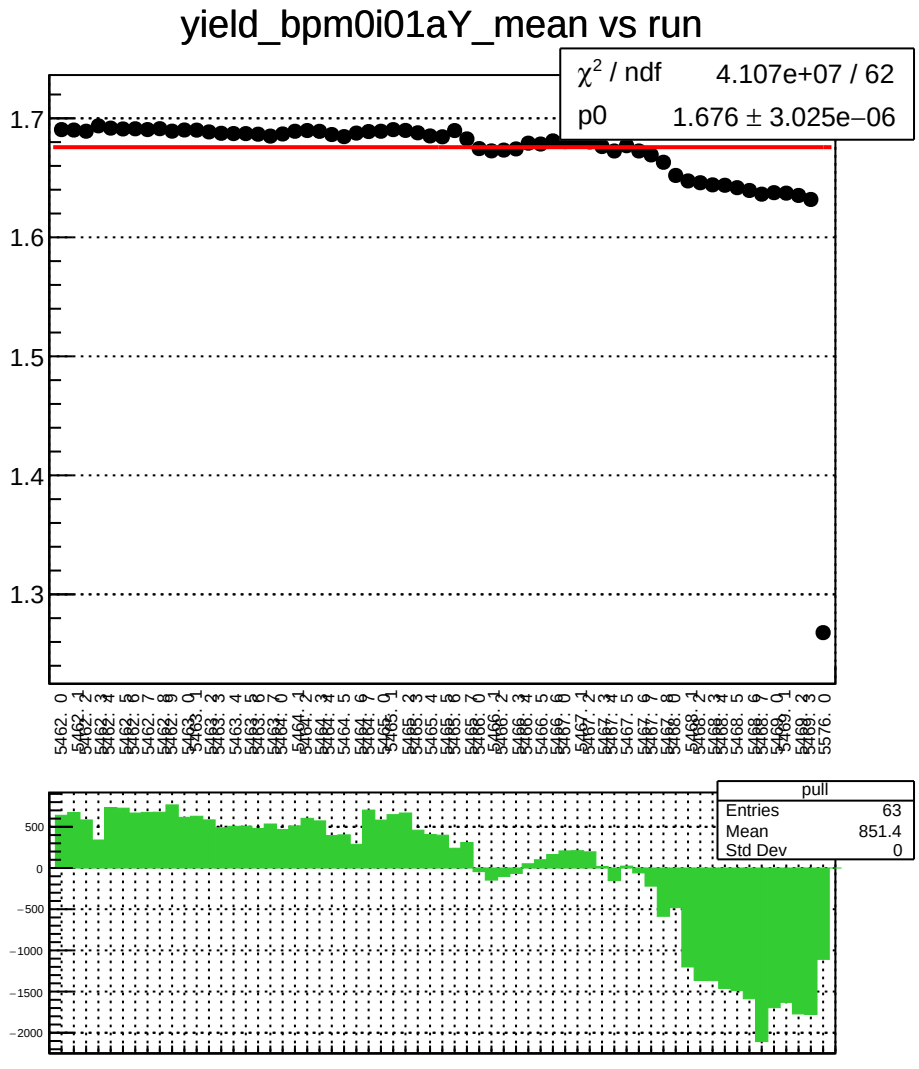

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

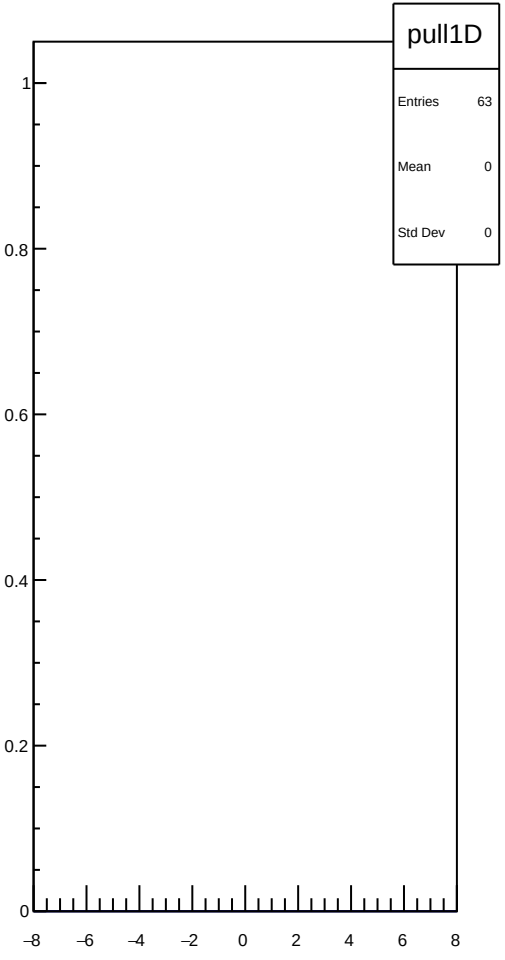

yield_bpm0i01Y_rms vs run
χ² / ndf 1.585e+05 / 62
p0 0.001737 ± 1.693e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

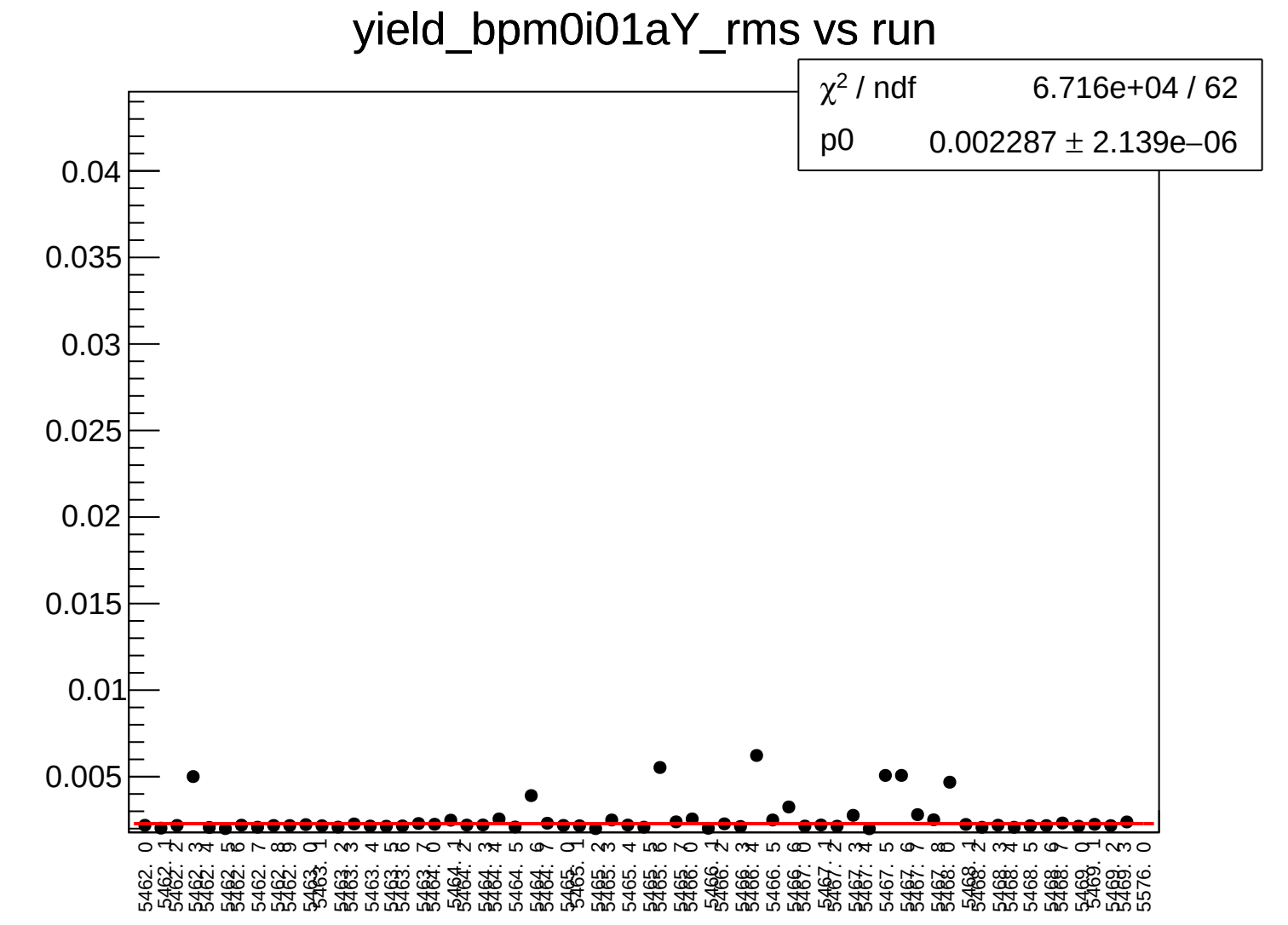

yield_bpm0i01aX_mean vs run
χ² / ndf 1.796e+06 / 62
p0 −2.563 ± 7.554e−06
−2.51
−2.52
−2.53
−2.54
−2.55
−2.56
−2.57
−2.58
−2.59
pull
Entries 63
Mean −375.9
Std Dev 0
300
200
100
0
−100
−200
−300
−400


pull1D
Entries 63
Mean −0.06619
Std Dev 4.147
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0i01aX_rms vs run
χ² / ndf 3.796e+04 / 62
p0 0.005785 ± 5.342e−06
0.06
0.05
0.04
0.03
0.02
0.01


yield_bpm0i01aY_mean vs run
χ² / ndf 4.107e+07 / 62
p0 1.676 ± 3.025e−06
1.7
1.6
1.5
1.4
1.3
pull
Entries 63
Mean 851.4
Std Dev 0
500
0
−500
−1000
−1500
−2000


pull1D
Entries 63
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_bpm0i01aY_rms vs run
χ² / ndf 6.716e+04 / 62
p0 0.002287 ± 2.139e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
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5464. 6
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5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
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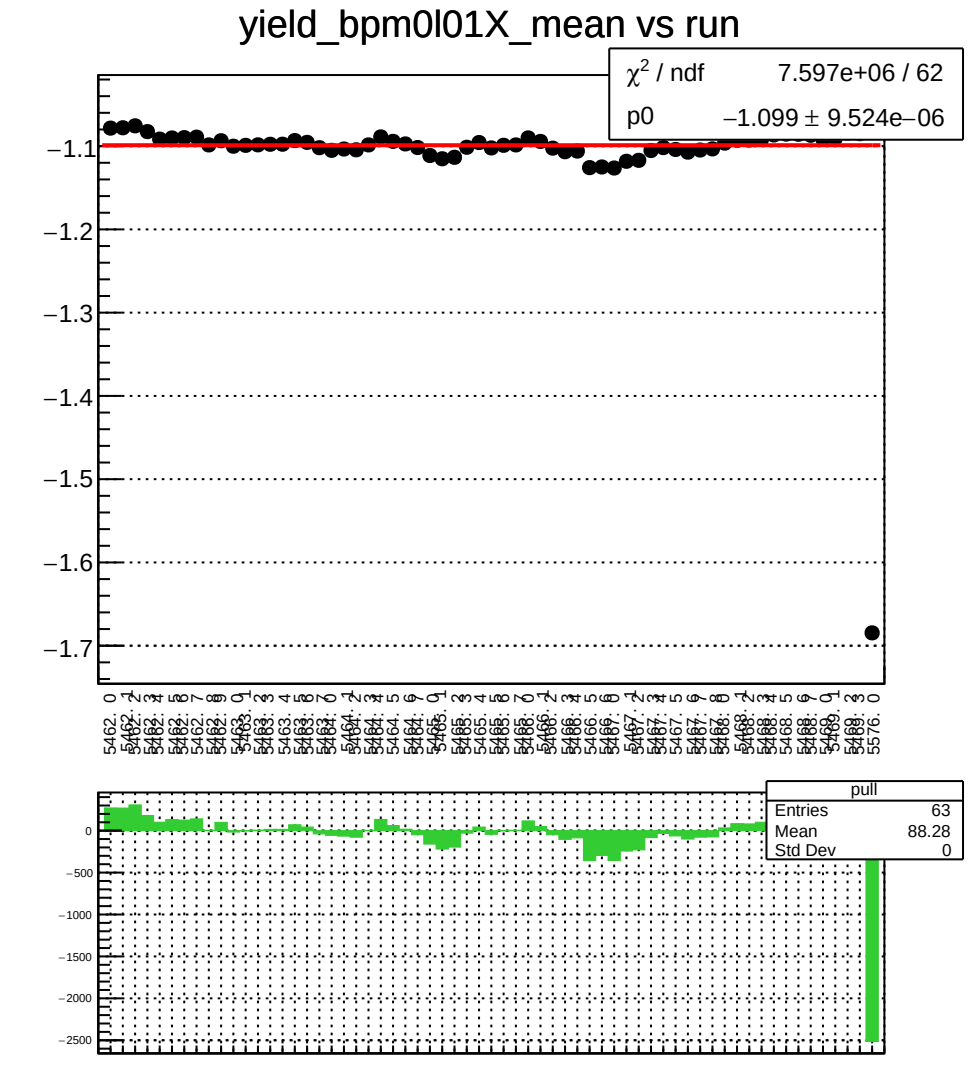
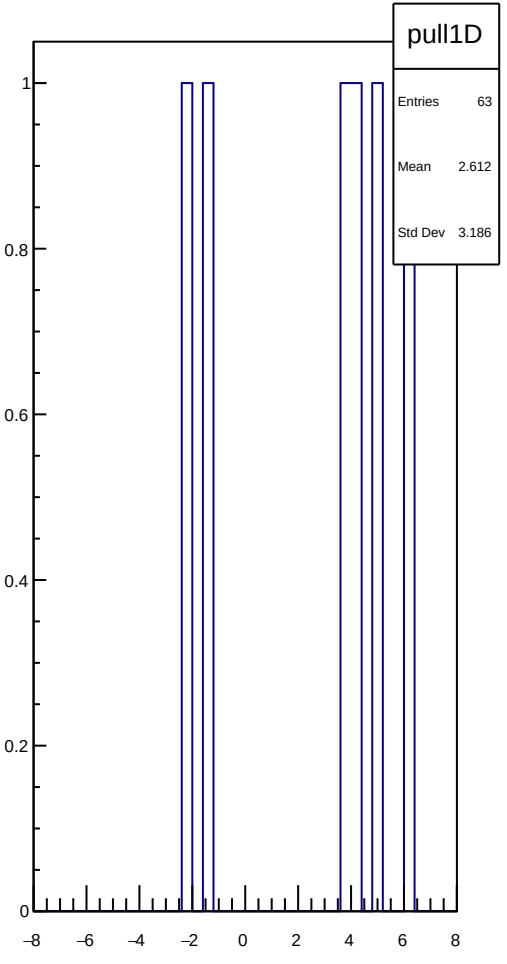
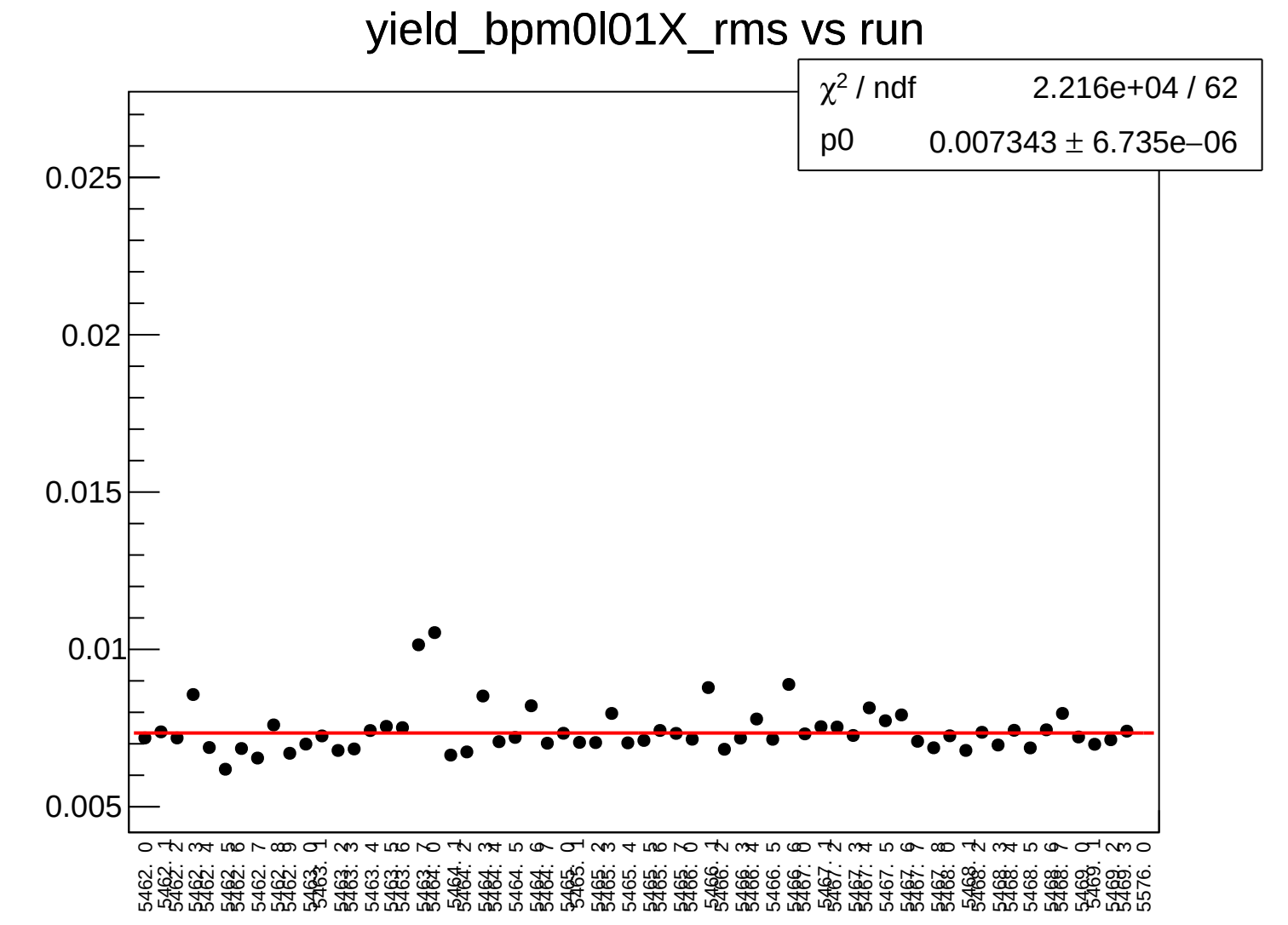
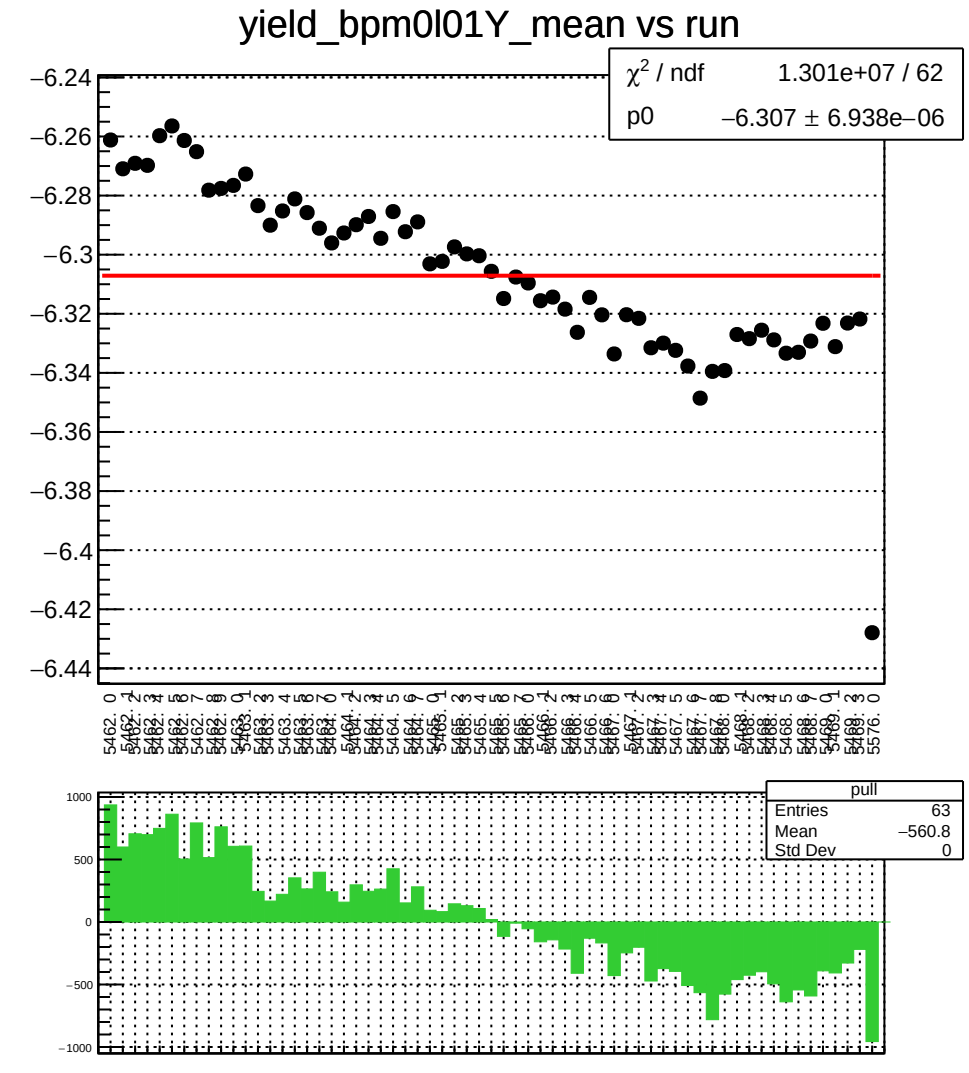
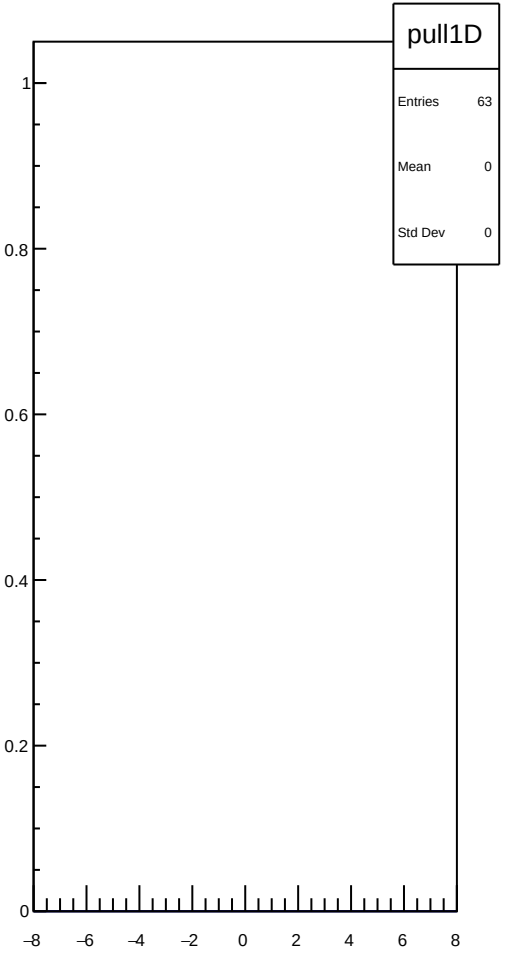
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

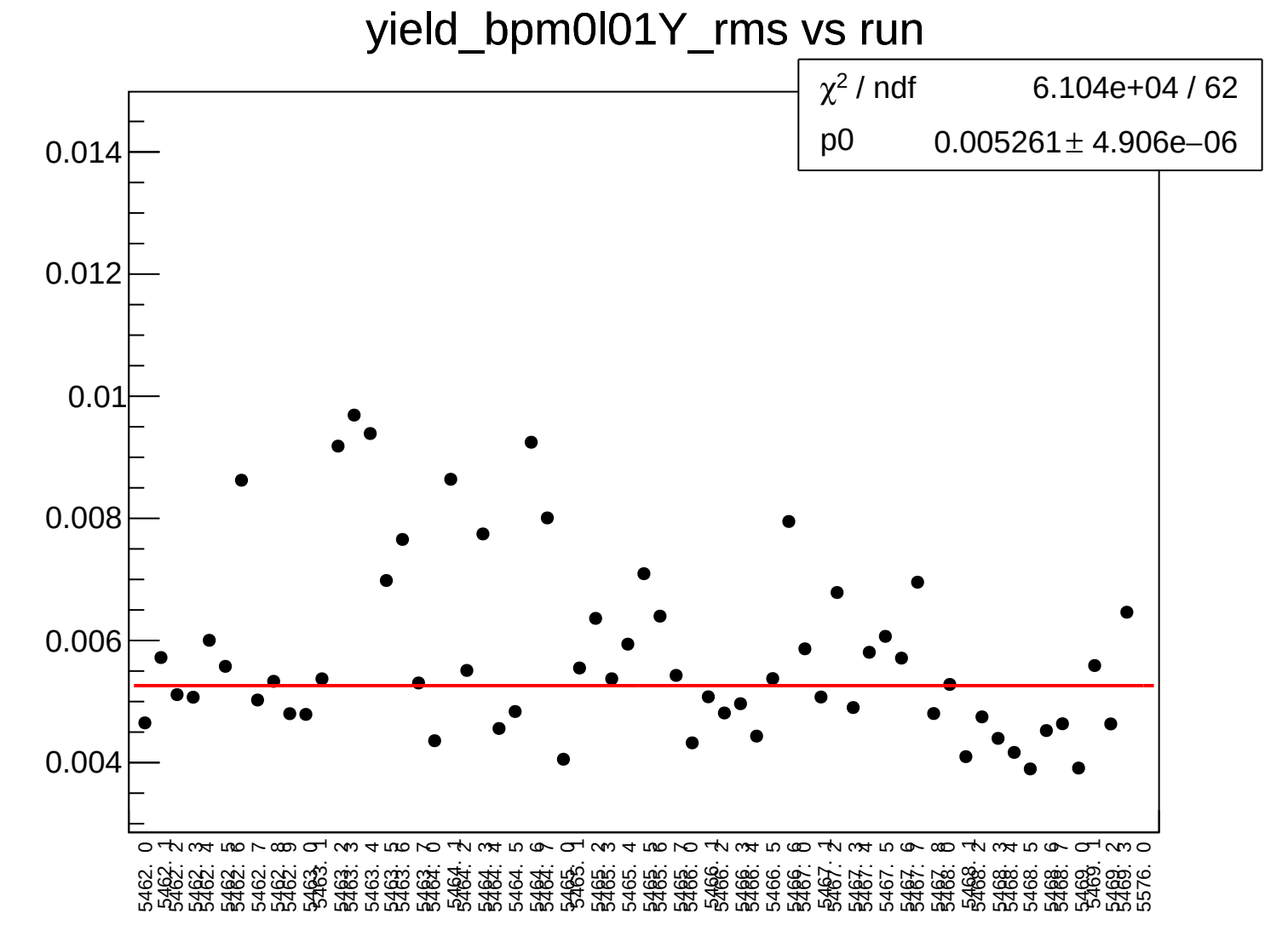

yield_bpm0l01X_mean vs run
χ² / ndf 7.597e+06 / 62
p0 −1.099 ± 9.524e−06
pull
Entries 63
Mean 88.28
Std Dev 0

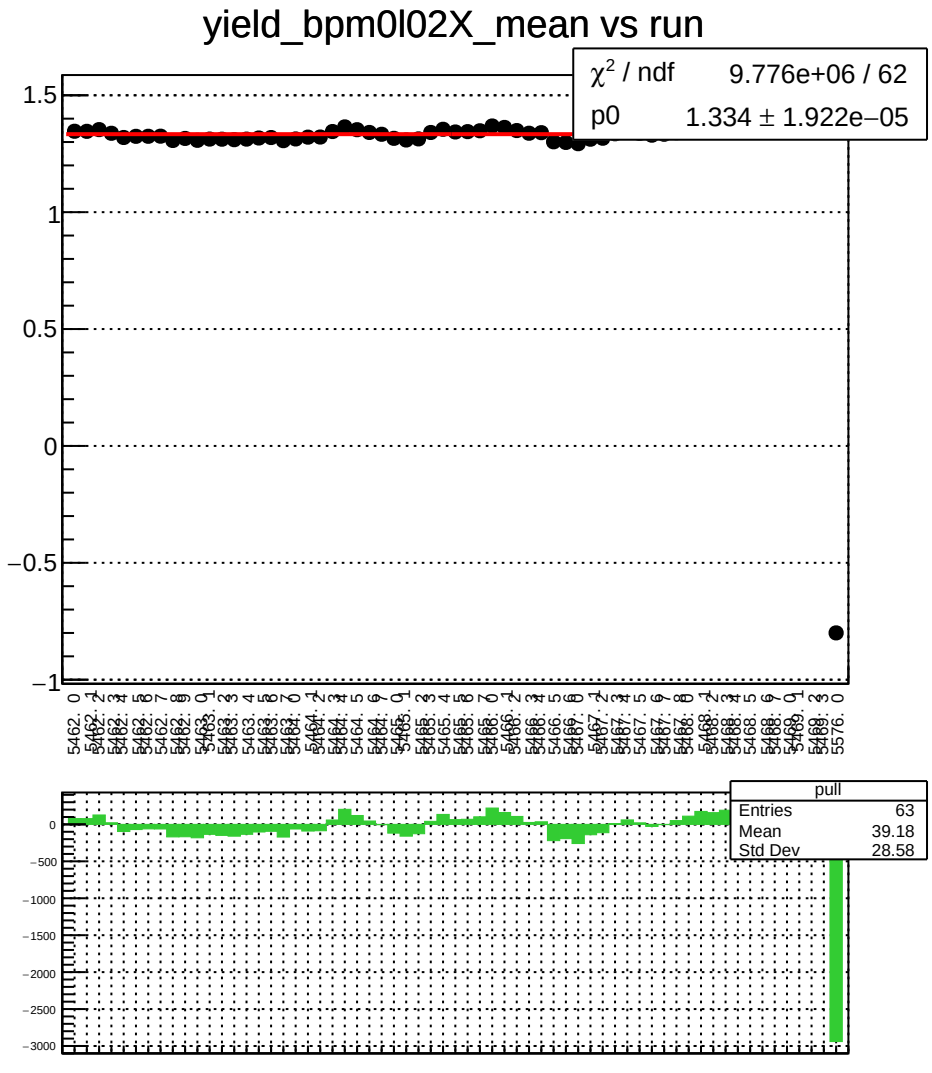

pull1D
Entries 63
Mean 2.612
Std Dev 3.186

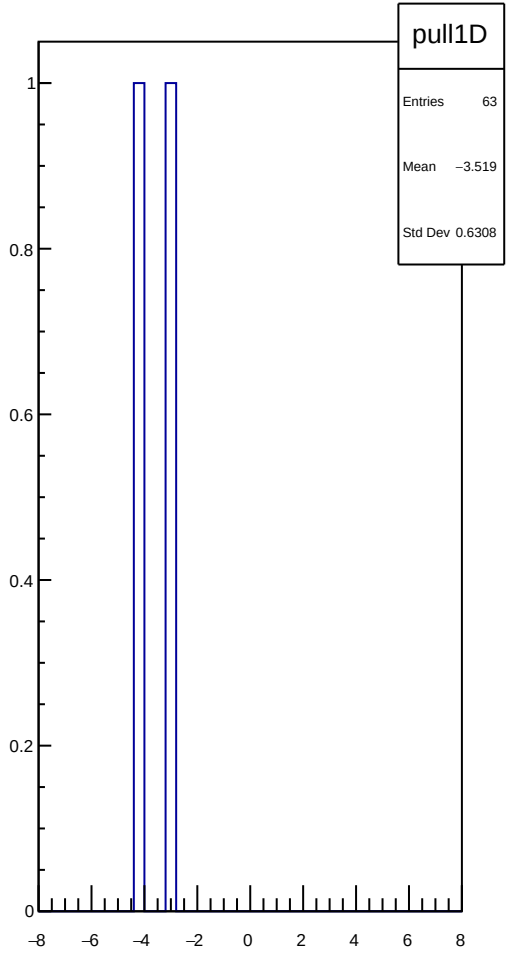

yield_bpm0l01X_rms vs run
χ² / ndf 2.216e+04 / 62
p0 0.007343 ± 6.735e−06
0.025
0.02
0.015
0.01
0.005

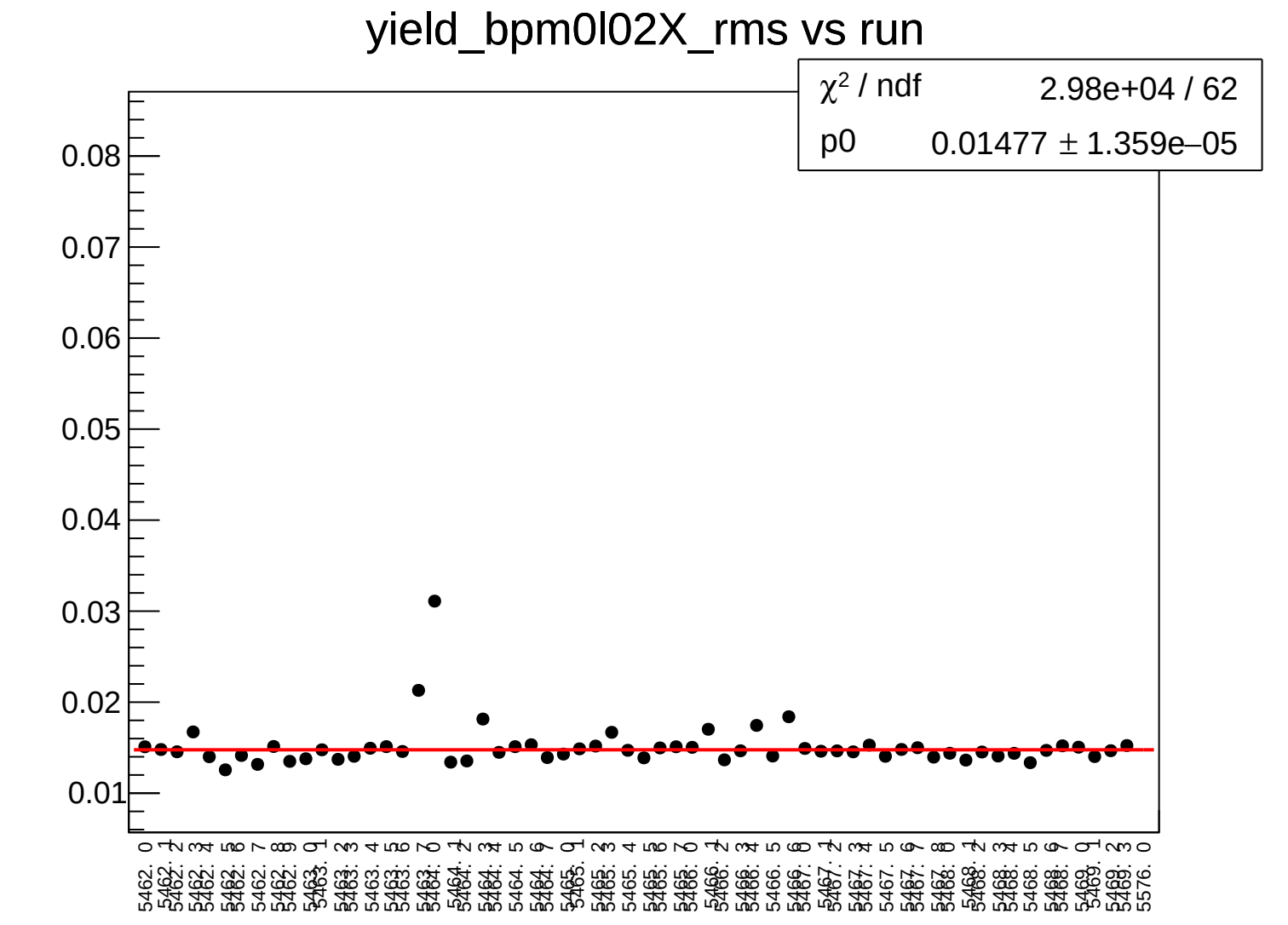

yield_bpm0l01Y_mean vs run
χ² / ndf 1.301e+07 / 62
p0 −6.307 ± 6.938e−06
−6.24
−6.26
−6.28
−6.3
−6.32
−6.34
−6.36
−6.38
−6.4
−6.42
−6.44
pull
Entries 63
Mean −560.8
Std Dev 0
1000
500
0
−500
−1000

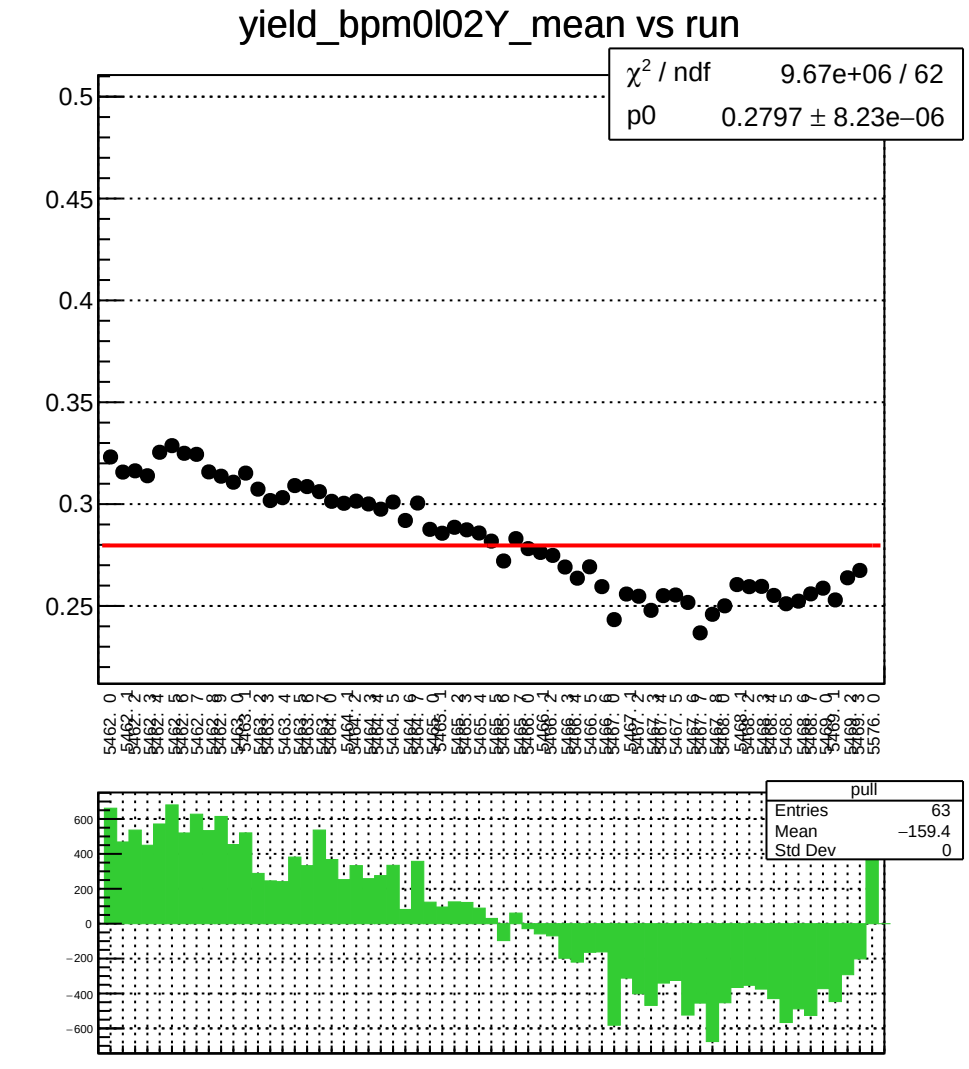

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

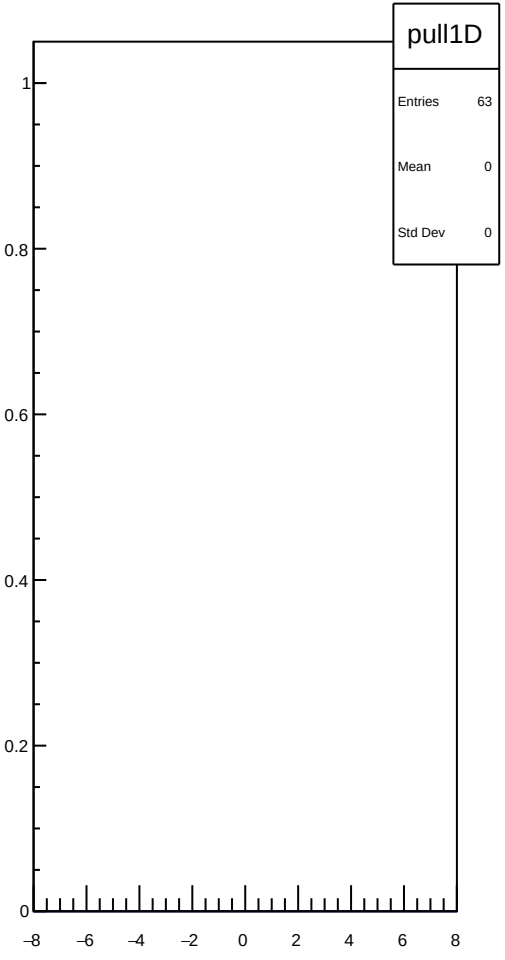

yield_bpm0l01Y_rms vs run
χ² / ndf 6.104e+04 / 62
p0 0.005261 ± 4.906e−06
0.014
0.012
0.01
0.008
0.006
0.004

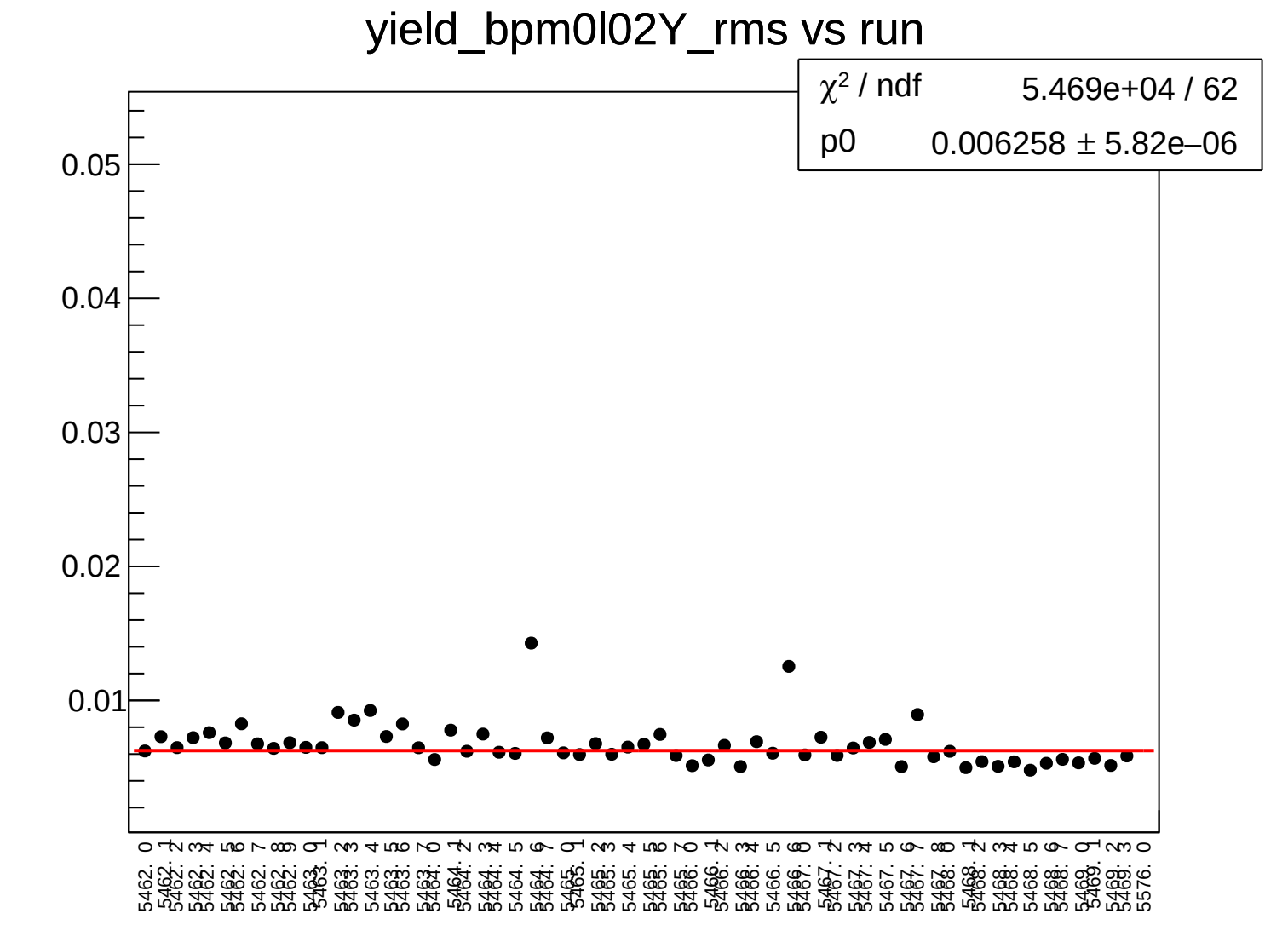

yield_bpm0l02X_mean vs run
χ² / ndf 9.776e+06 / 62
p0 1.334 ± 1.922e−05
pull
Entries 63
Mean 39.18
Std Dev 28.58

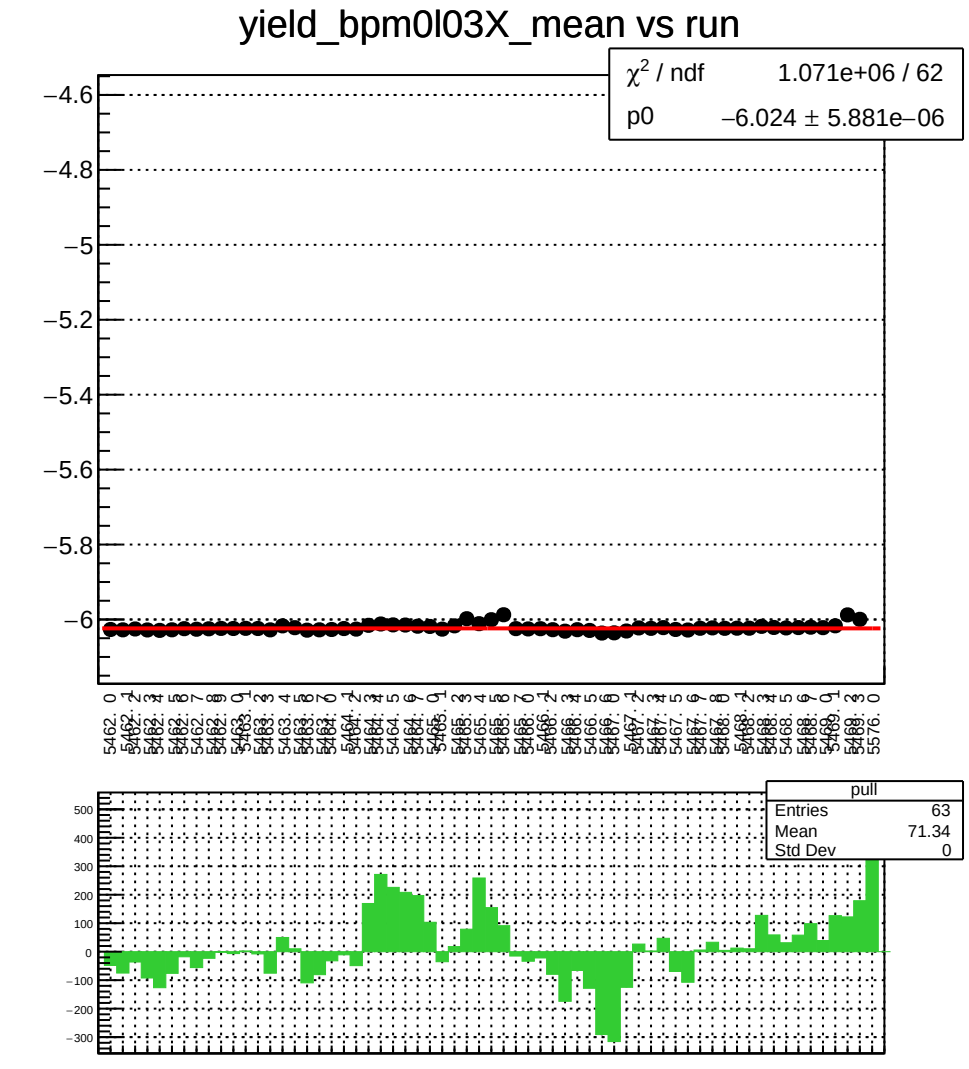

pull1D
Entries 63
Mean −3.519
Std Dev 0.6308

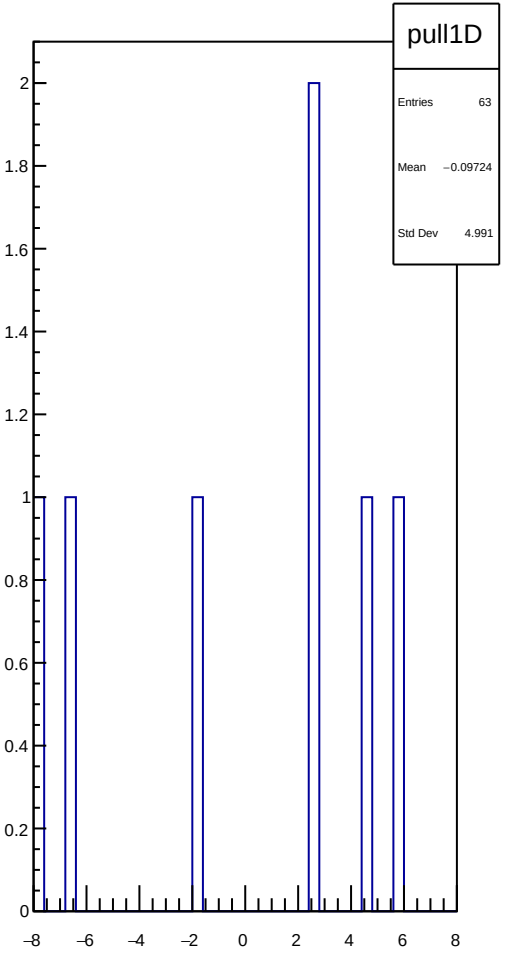

yield_bpm0l02X_rms vs run
χ² / ndf 2.98e+04 / 62
p0 0.01477 ± 1.359e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

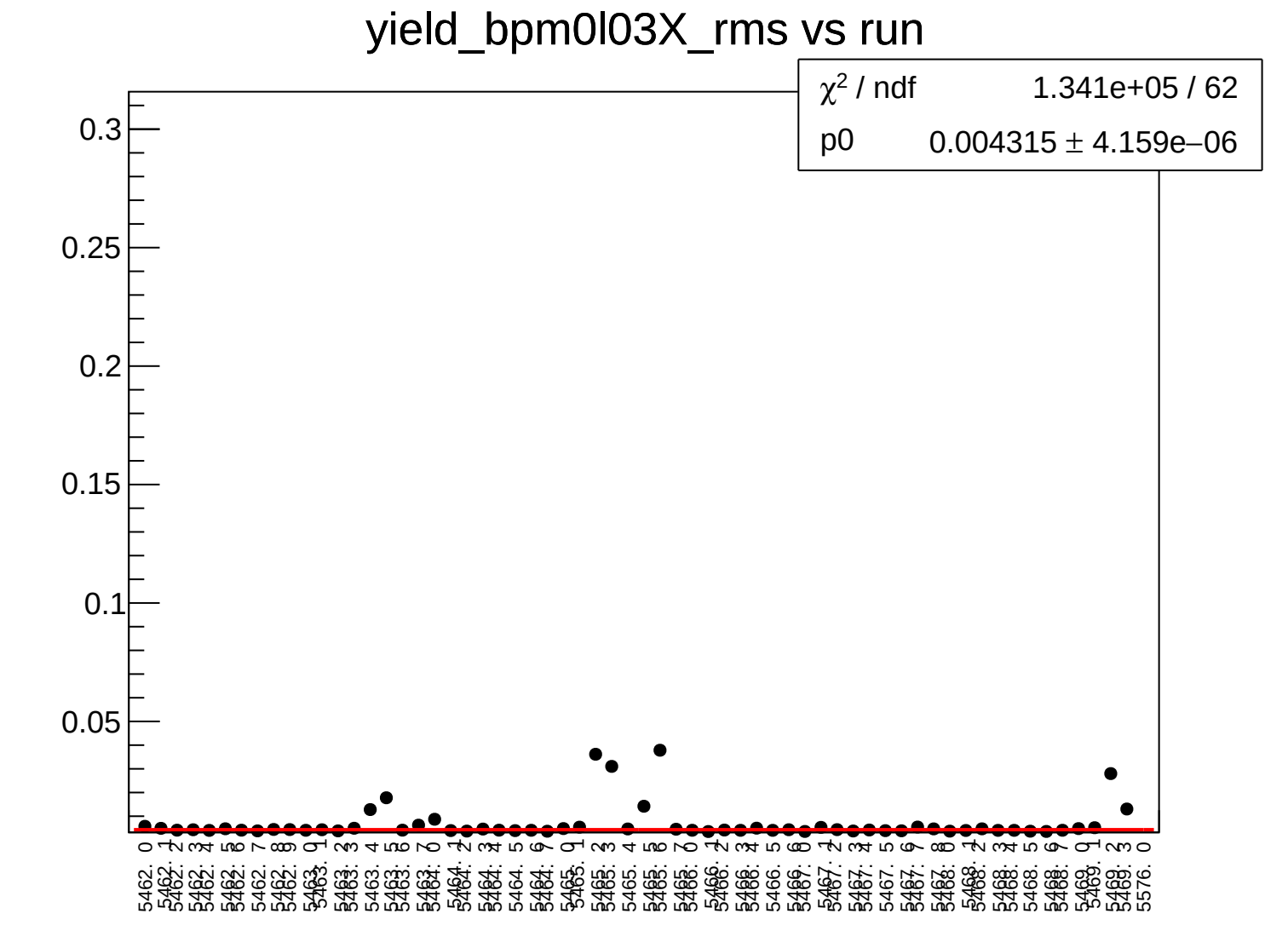

yield_bpm0l02Y_mean vs run
χ² / ndf 9.67e+06 / 62
p0 0.2797 ± 8.23e−06
pull
Entries 63
Mean −159.4
Std Dev 0

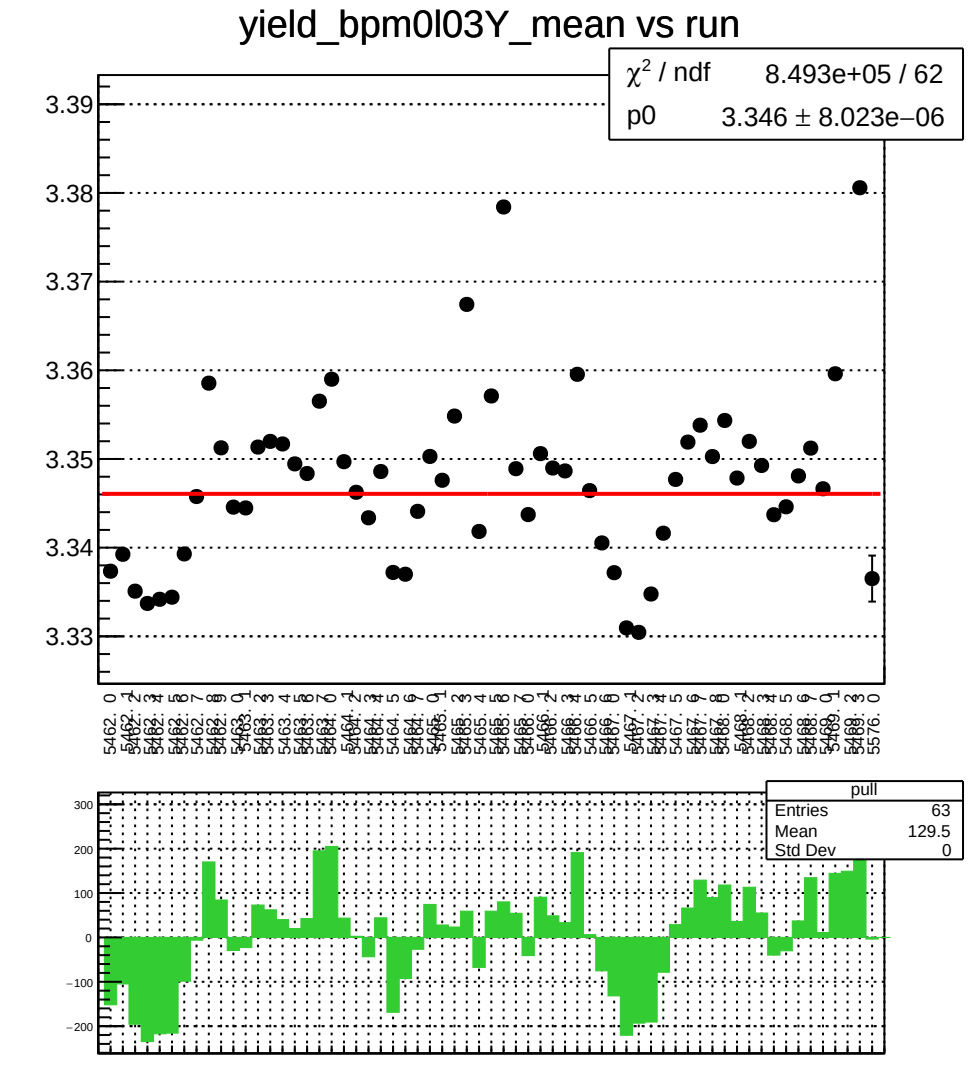

pull1D
Entries 63
Mean 0
Std Dev 0

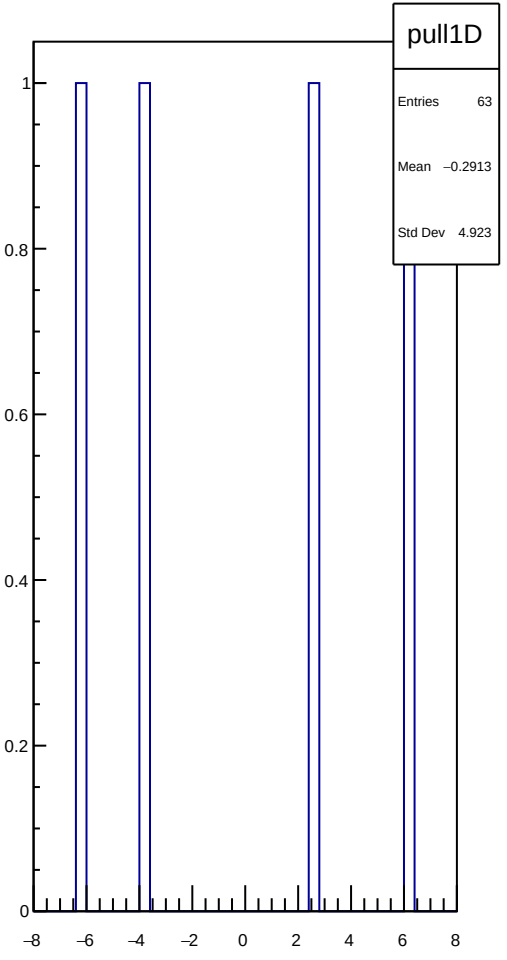

yield_bpm0l02Y_rms vs run
χ² / ndf 5.469e+04 / 62
p0 0.006258 ± 5.82e–06
0.05
0.04
0.03
0.02
0.01

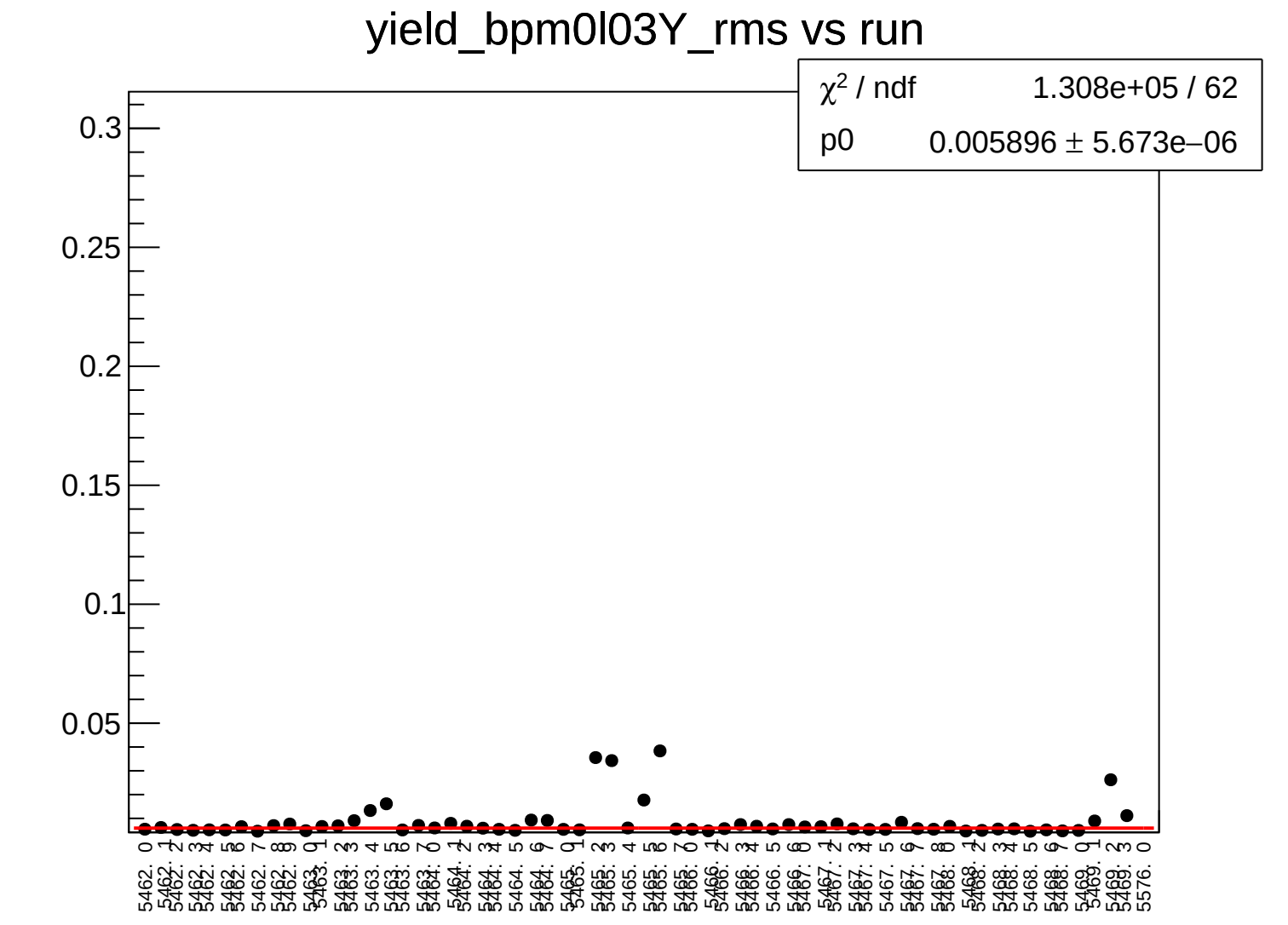

yield_bpm0l03X_mean vs run
χ² / ndf 1.071e+06 / 62
p0 −6.024 ± 5.881e−06
pull
Entries 63
Mean 71.34
Std Dev 0

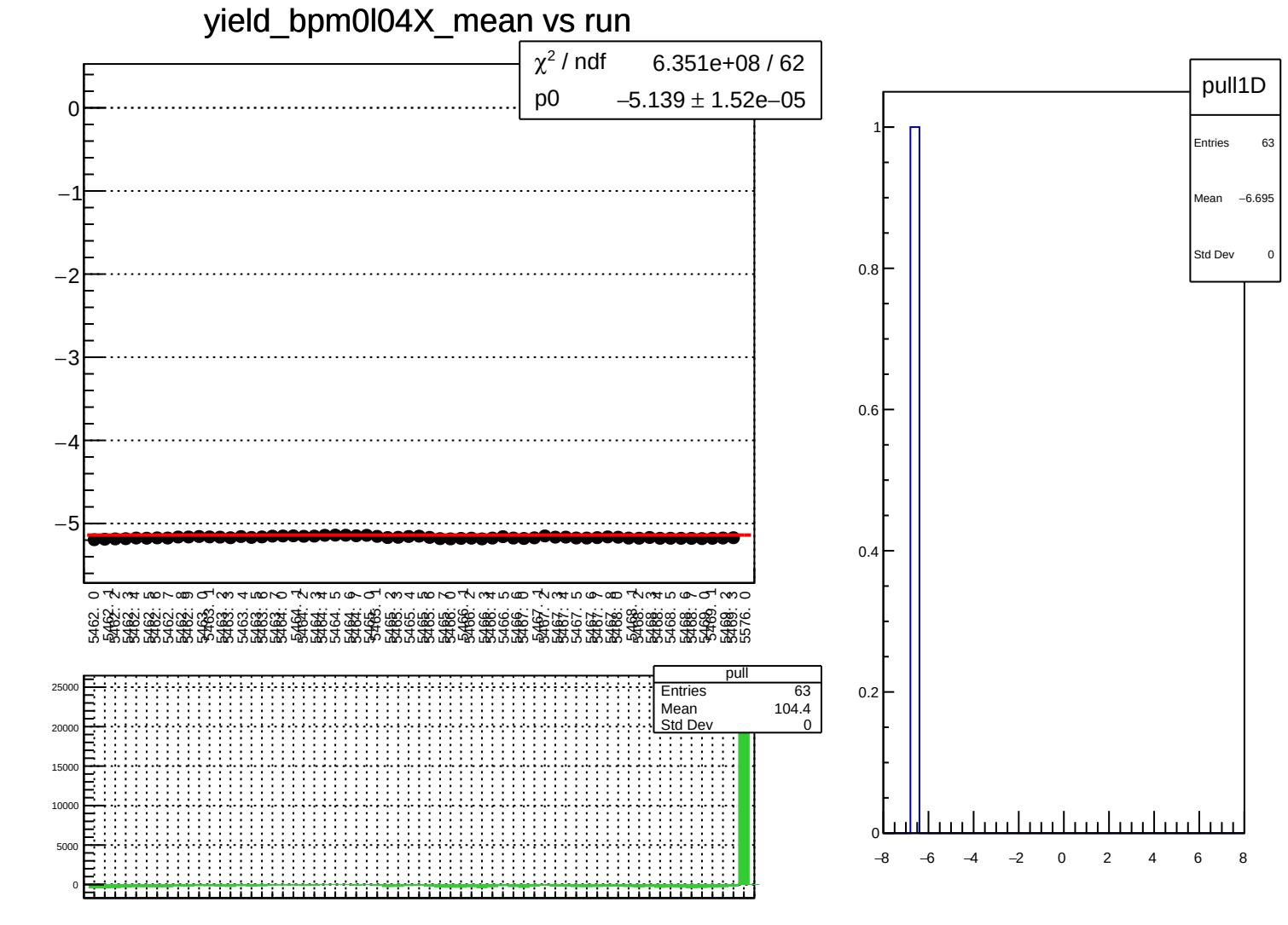

pull1D
Entries 63
Mean −0.09724
Std Dev 4.991

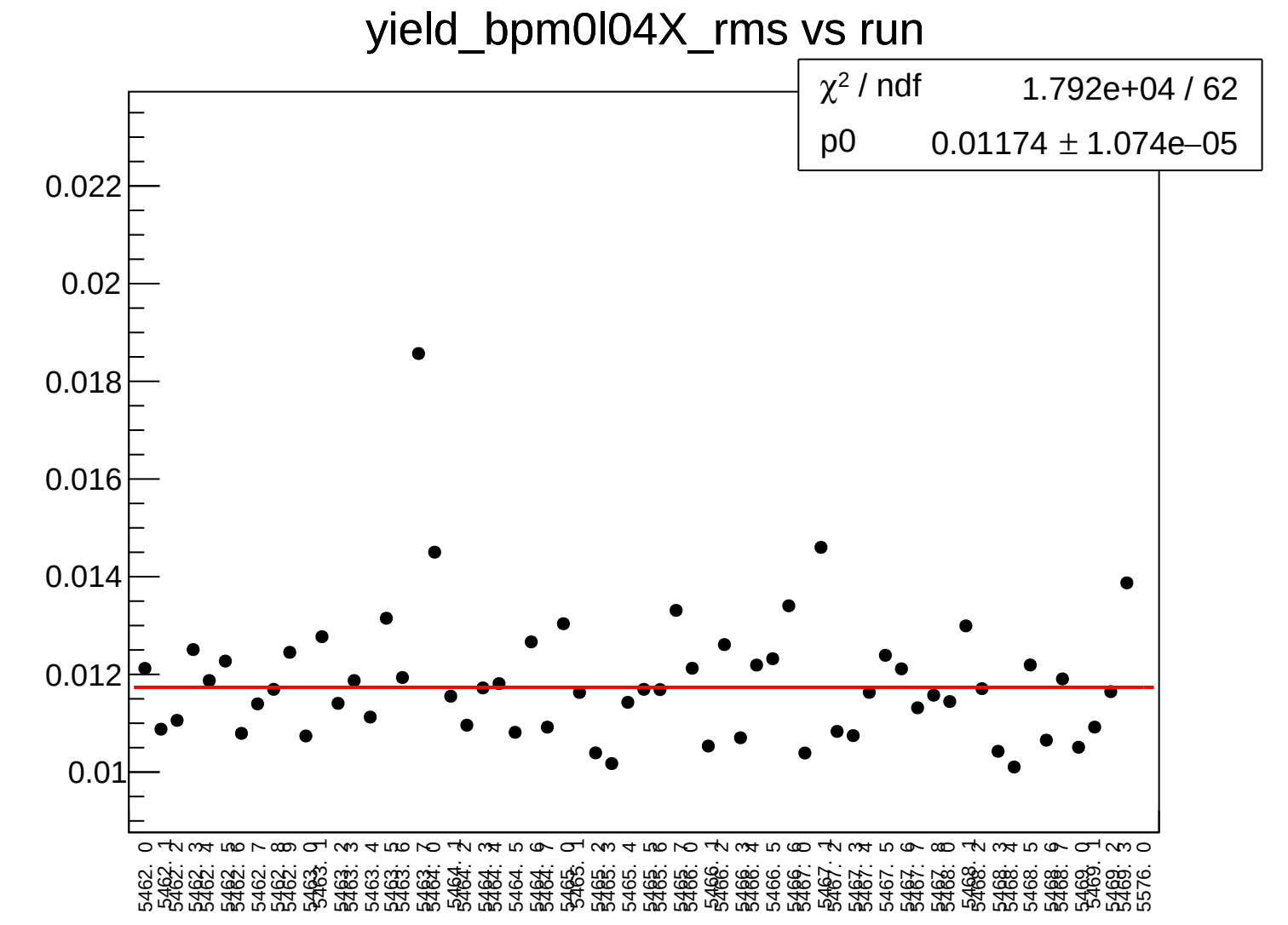

yield_bpm0l03X_rms vs run
χ² / ndf 1.341e+05 / 62
p0 0.004315 ± 4.159e−06
0.3
0.25
0.2
0.15
0.1
0.05

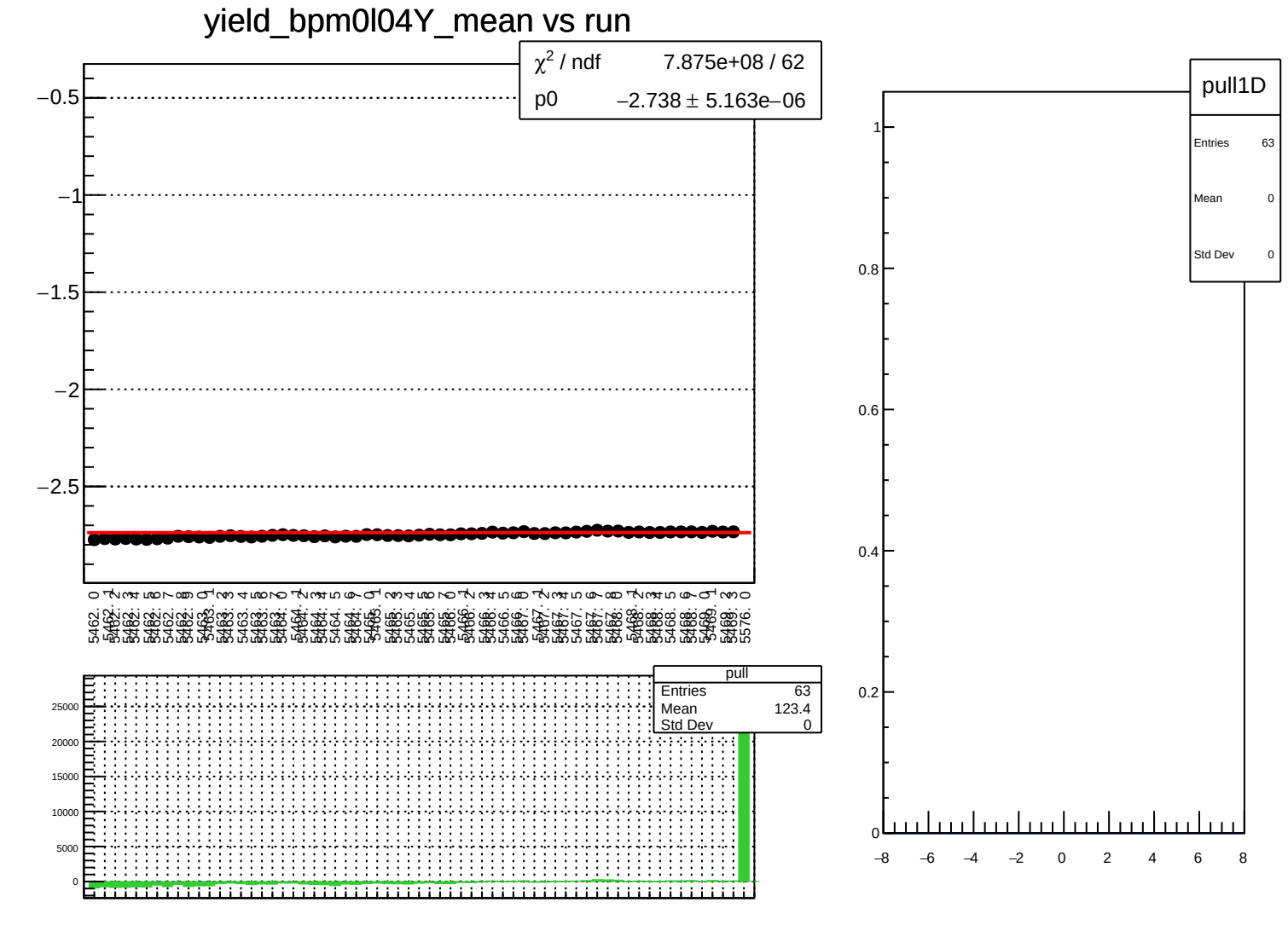

yield_bpm0l03Y_mean vs run
χ² / ndf 8.493e+05 / 62
p0 3.346 ± 8.023e−06
3.39
3.38
3.37
3.36
3.35
3.34
3.33
pull
Entries 63
Mean 129.5
Std Dev 0
300
200
100
0
−100
−200

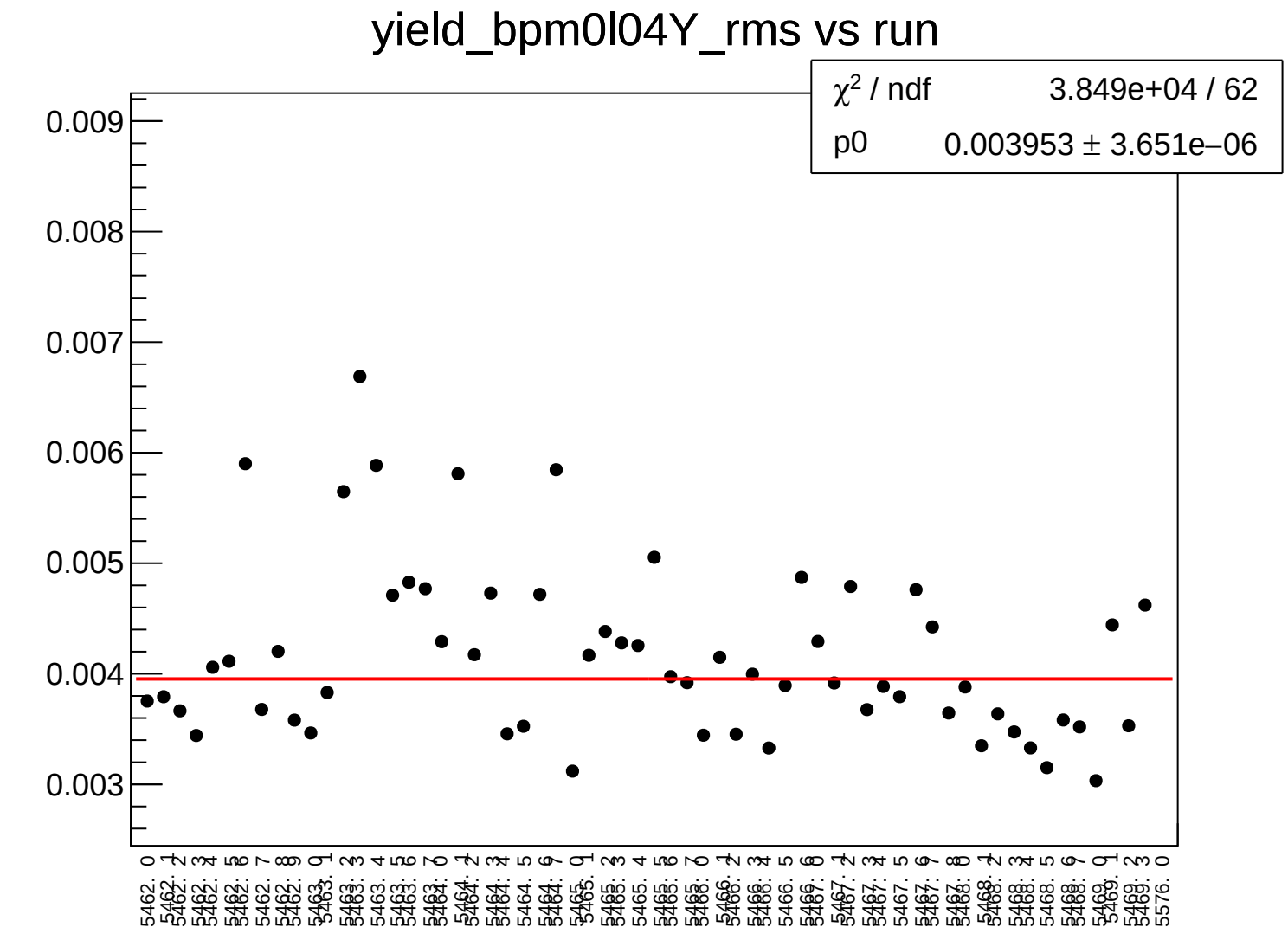

pull1D
Entries 63
Mean −0.2913
Std Dev 4.923
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

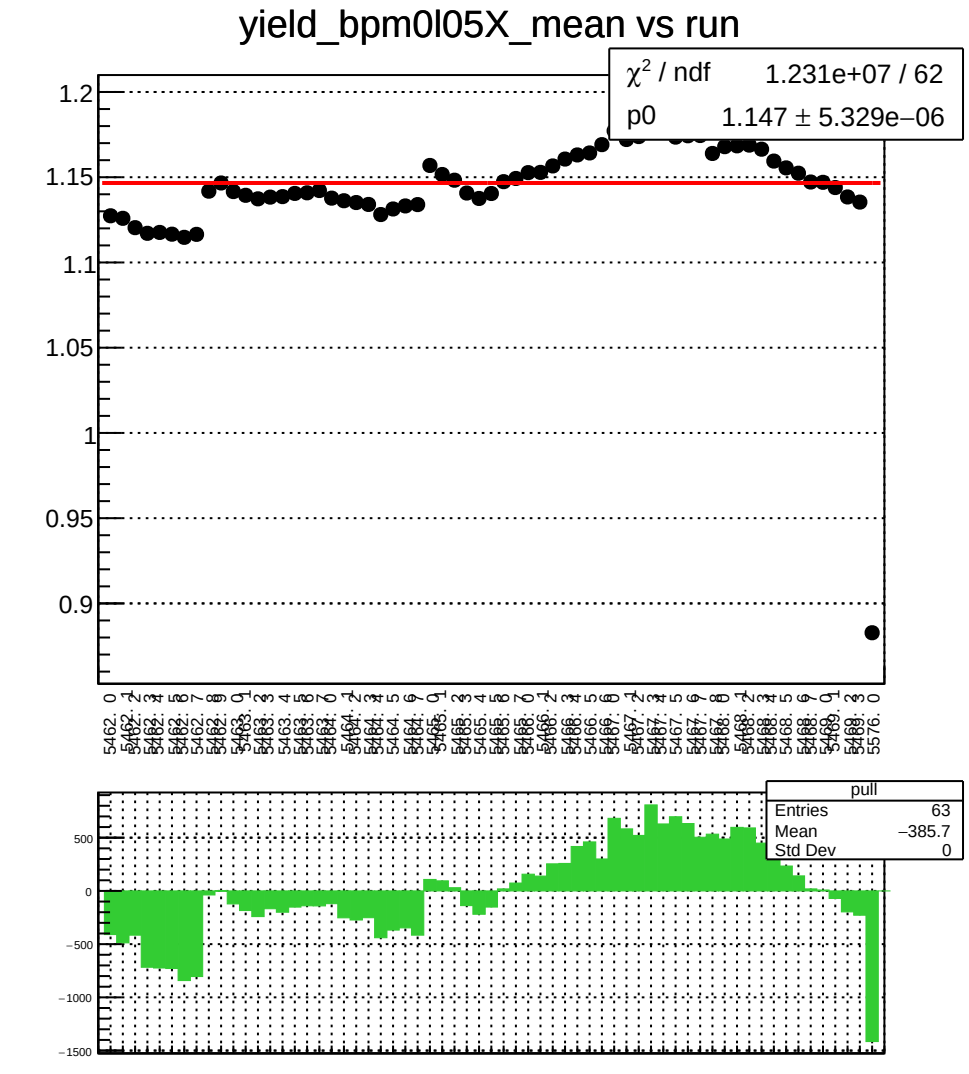

yield_bpm0l03Y_rms vs run
χ² / ndf 1.308e+05 / 62
p0 0.005896 ± 5.673e−06
0.3
0.25
0.2
0.15
0.1
0.05
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

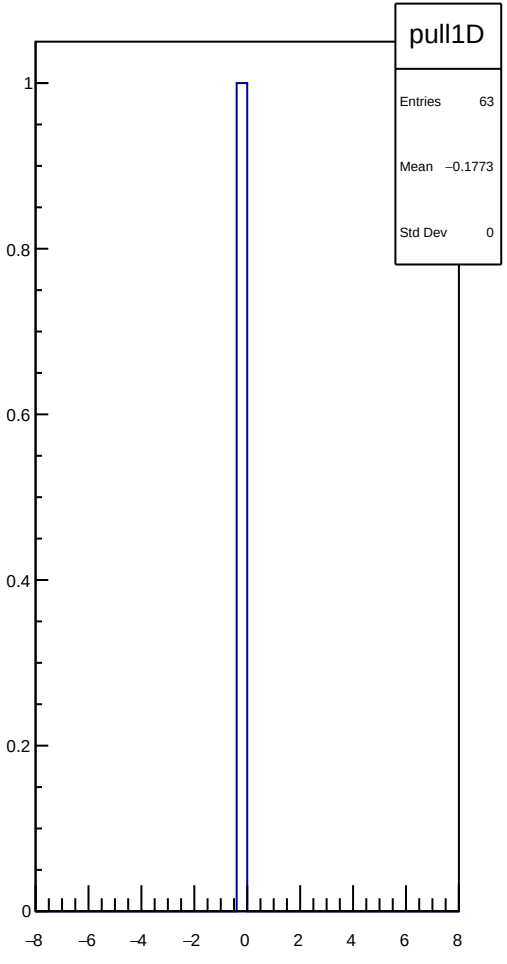

yield_bpm0l04X_mean vs run
χ² / ndf 6.351e+08 / 62
p0 −5.139 ± 1.52e−05
pull
Entries 63
Mean 104.4
Std Dev 0
pull1D
Entries 63
Mean −6.695
Std Dev 0

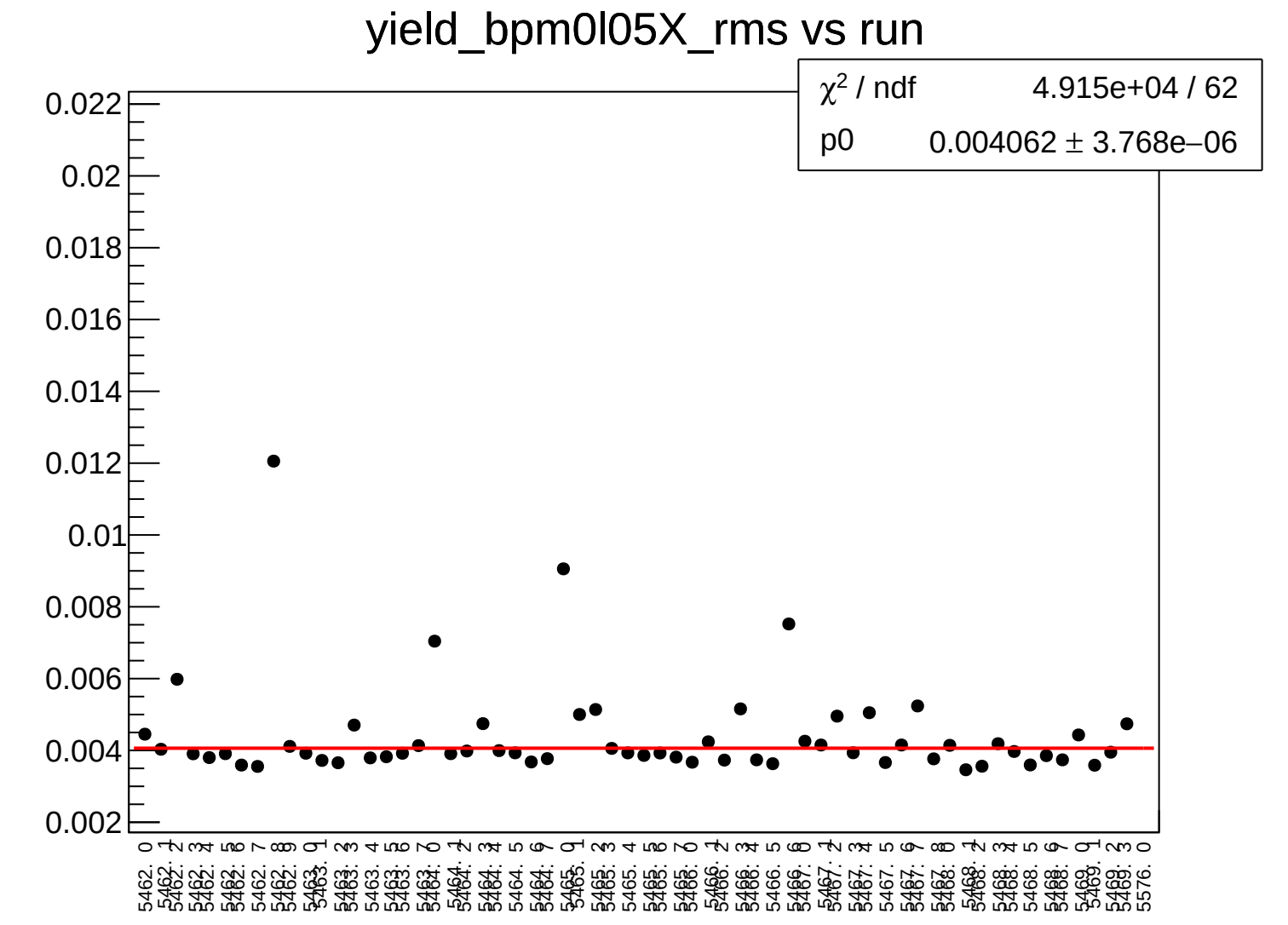

yield_bpm0l04X_rms vs run
χ² / ndf 1.792e+04 / 62
p0 0.01174 ± 1.074e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01

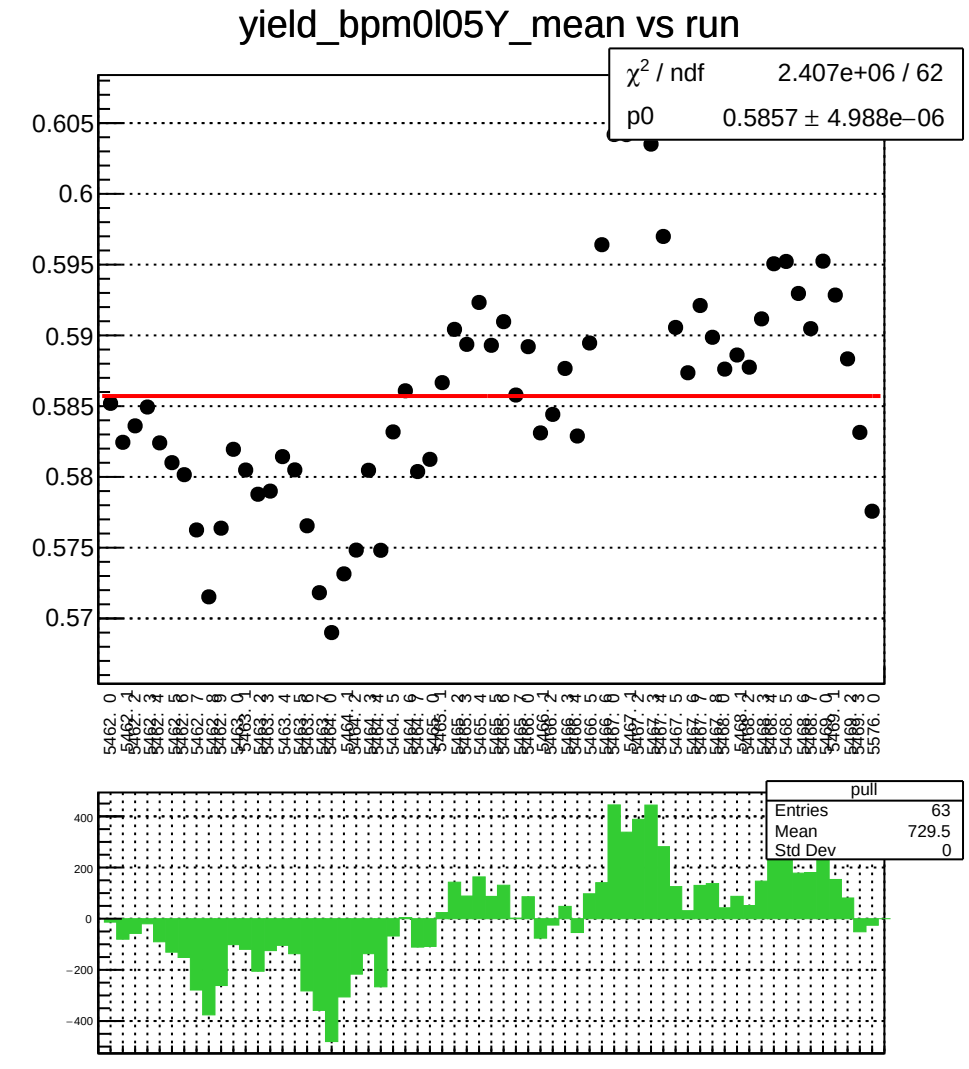

yield_bpm0l04Y_mean vs run
χ² / ndf 7.875e+08 / 62
p0 −2.738 ± 5.163e−06
−0.5
−1
−1.5
−2
−2.5
pull
Entries 63
Mean 123.4
Std Dev 0
25000
20000
15000
10000
5000
0
pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

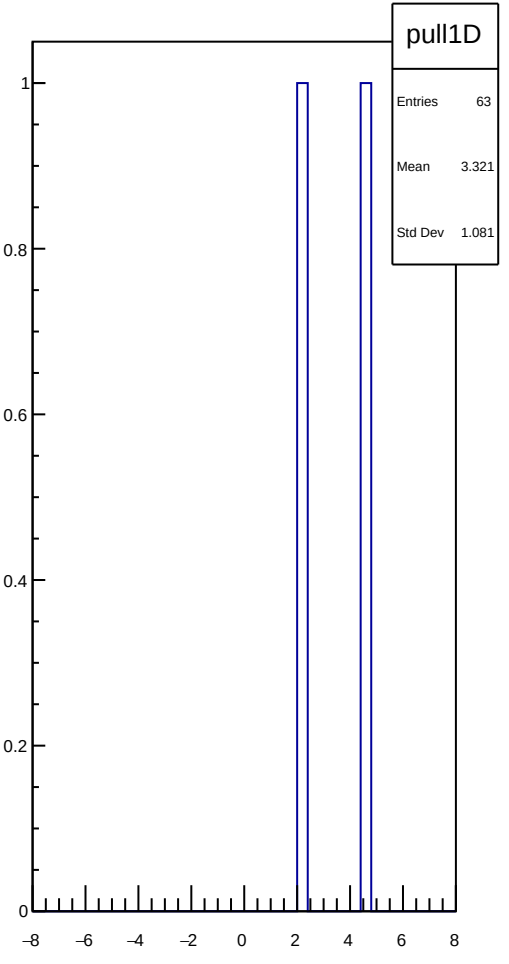

yield_bpm0l04Y_rms vs run
χ² / ndf 3.849e+04 / 62
p0 0.003953 ± 3.651e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

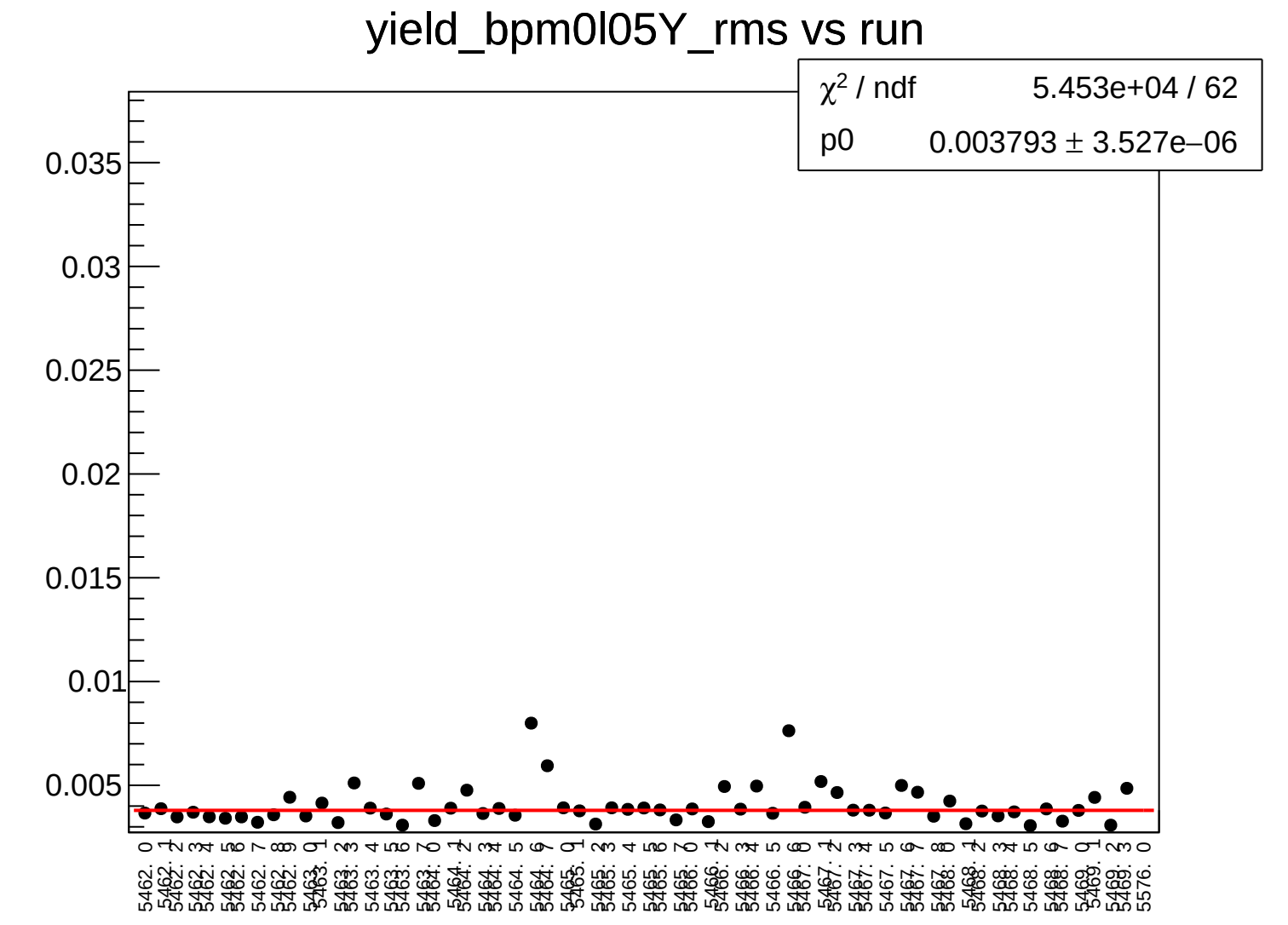

yield_bpm0l05X_mean vs run
χ² / ndf 1.231e+07 / 62
p0 1.147 ± 5.329e−06
pull
Entries 63
Mean −385.7
Std Dev 0

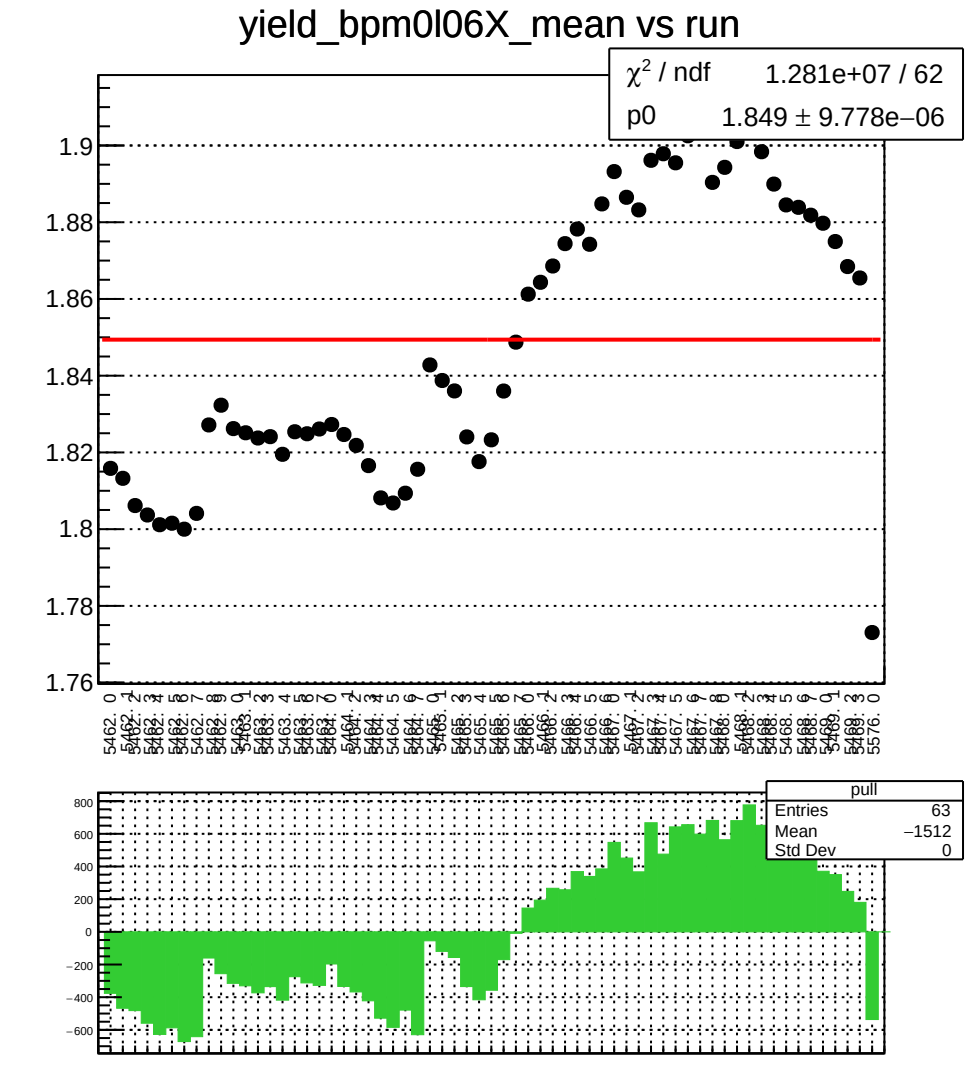

pull1D
Entries 63
Mean −0.1773
Std Dev 0

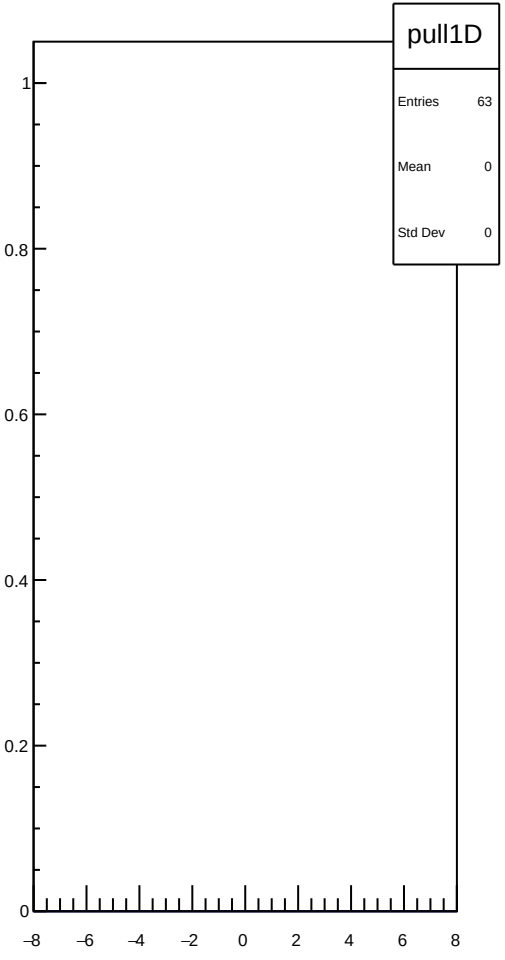

yield_bpm0l05X_rms vs run
χ² / ndf 4.915e+04 / 62
p0 0.004062 ± 3.768e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

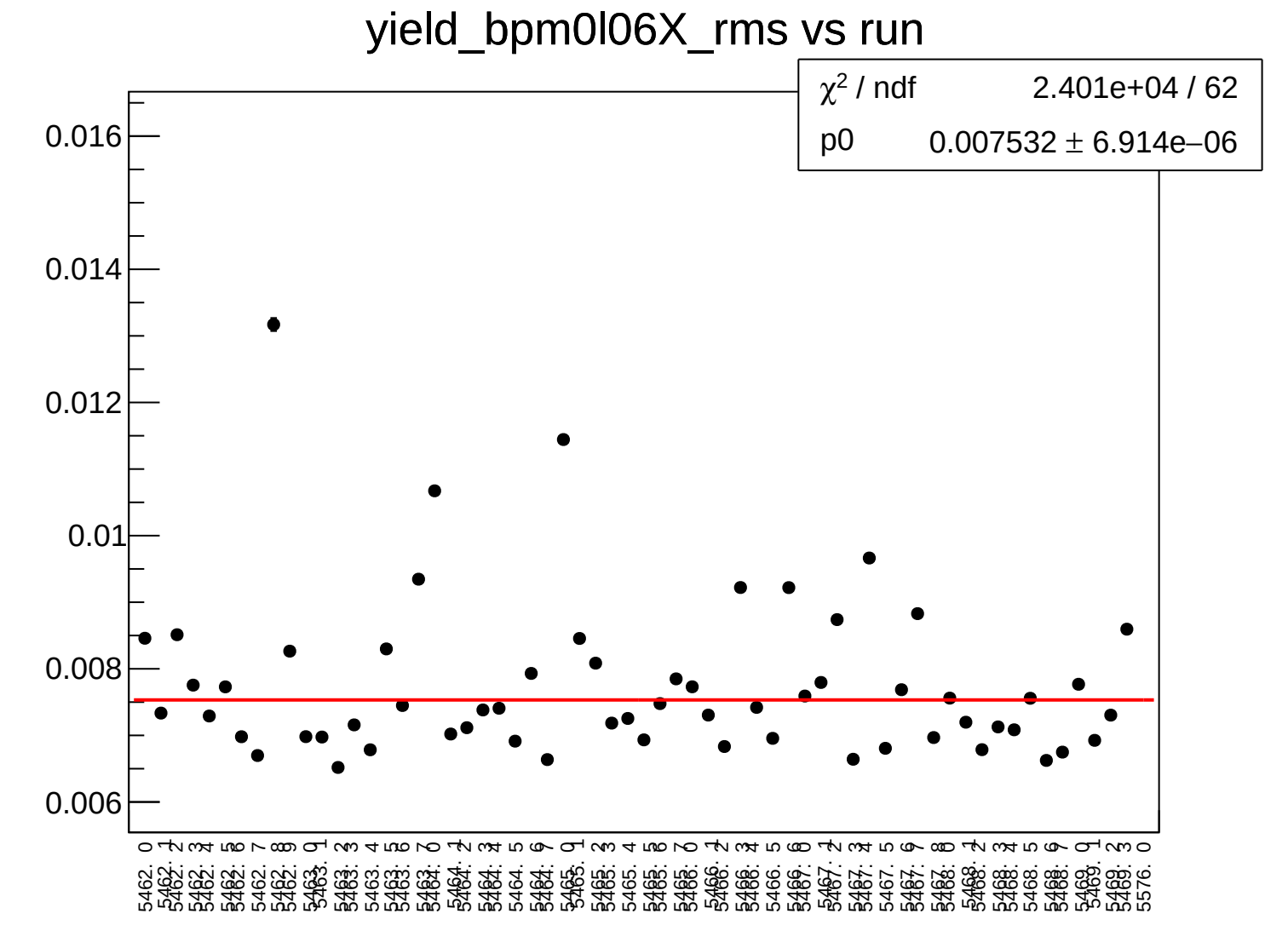

yield_bpm0l05Y_mean vs run
χ² / ndf 2.407e+06 / 62
p0 0.5857 ± 4.988e−06
0.605
0.6
0.595
0.59
0.585
0.58
0.575
0.57
pull
Entries 63
Mean 729.5
Std Dev 0
400
200
0
−200
−400

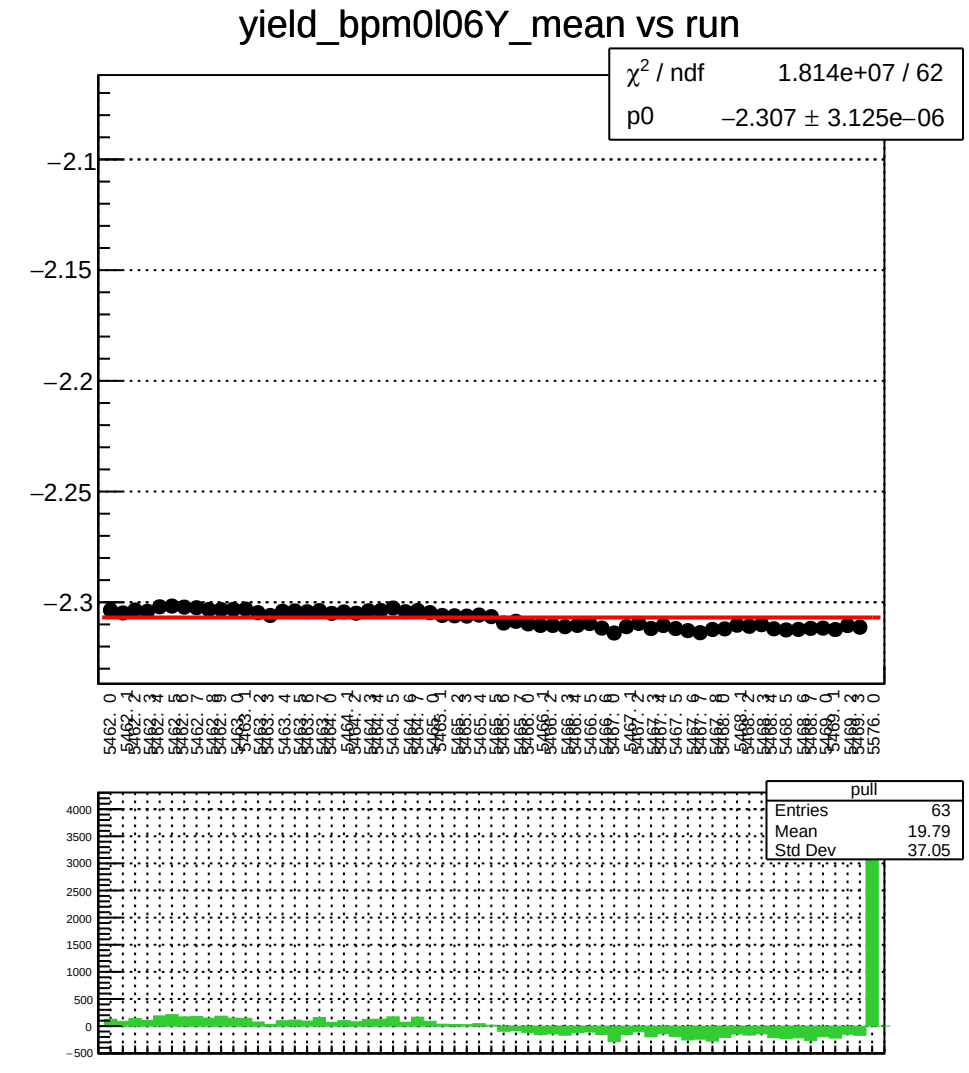

pull1D
Entries 63
Mean 3.321
Std Dev 1.081
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

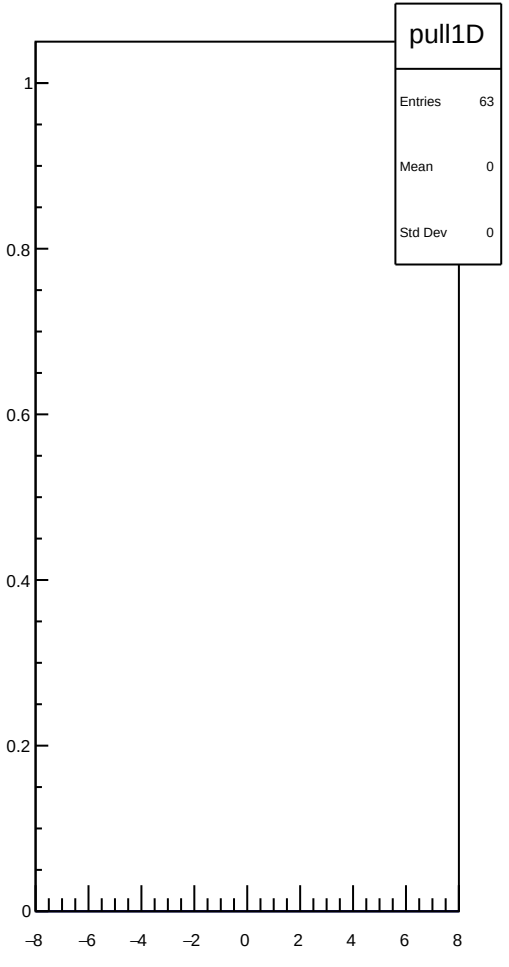

yield_bpm0l05Y_rms vs run
χ² / ndf 5.453e+04 / 62
p0 0.003793 ± 3.527e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

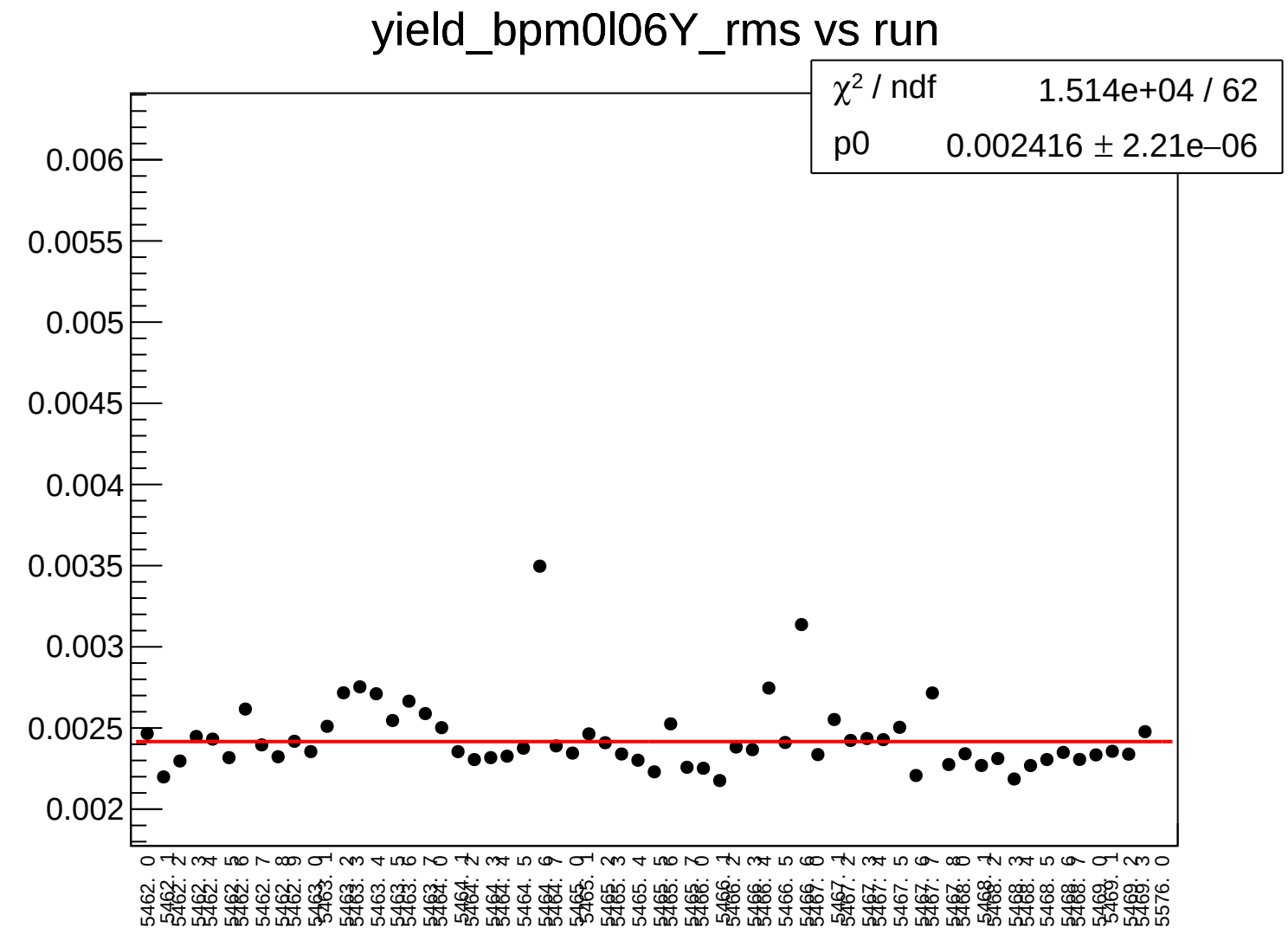

yield_bpm0l06X_mean vs run
χ² / ndf 1.281e+07 / 62
p0 1.849 ± 9.778e−06
pull
Entries 63
Mean −1512
Std Dev 0


pull1D
Entries 63
Mean 0
Std Dev 0


yield_bpm0l06X_rms vs run
χ² / ndf 2.401e+04 / 62
p0 0.007532 ± 6.914e−06
0.016
0.014
0.012
0.01
0.008
0.006


yield_bpm0l06Y_mean vs run
χ² / ndf 1.814e+07 / 62
p0 −2.307 ± 3.125e−06
−2.1
−2.15
−2.2
−2.25
−2.3
pull
Entries 63
Mean 19.79
Std Dev 37.05
4000
3500
3000
2500
2000
1500
1000
500
0
−500


pull1D
Entries 63
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_bpm0l06Y_rms vs run
χ² / ndf 1.514e+04 / 62
p0 0.002416 ± 2.21e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
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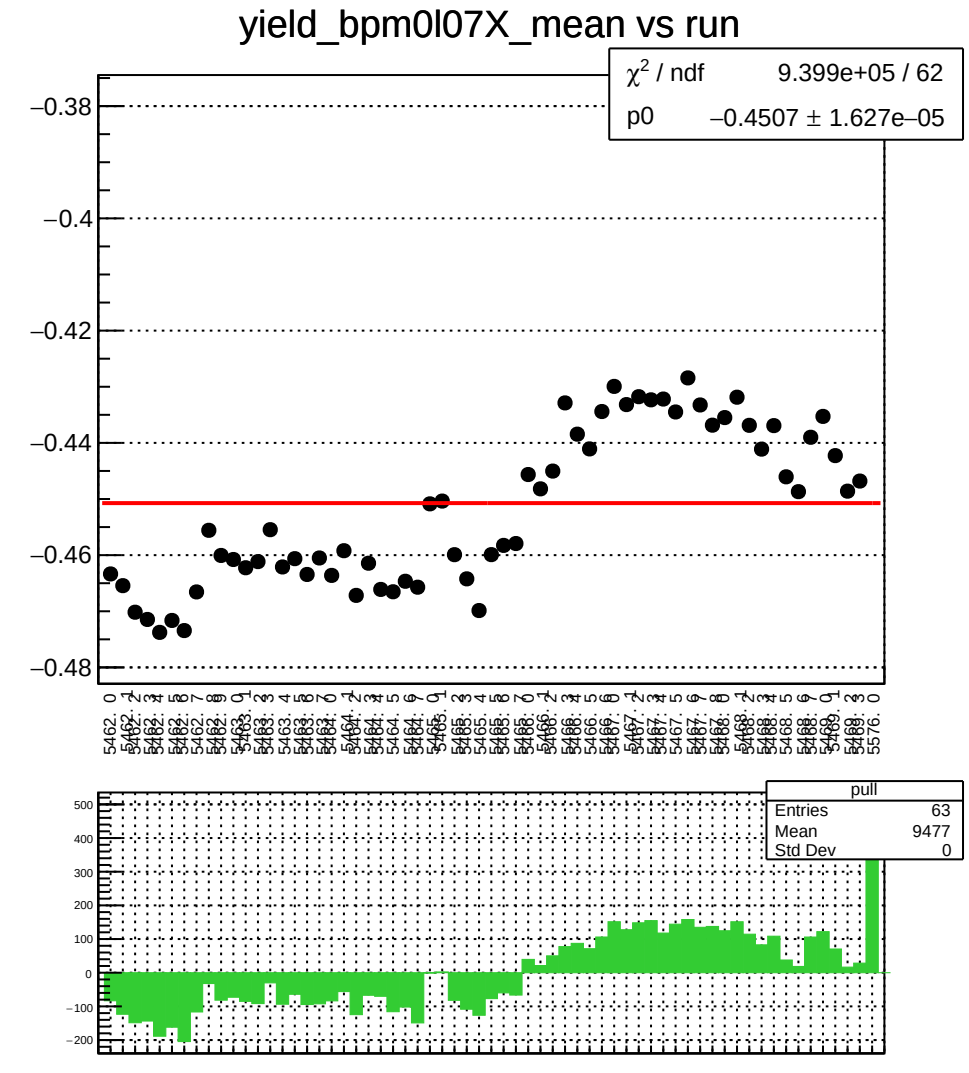
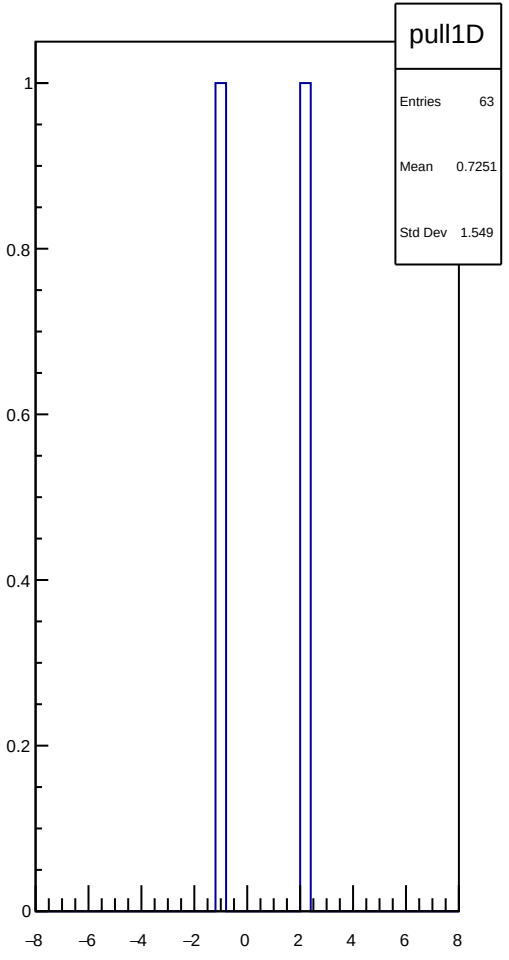
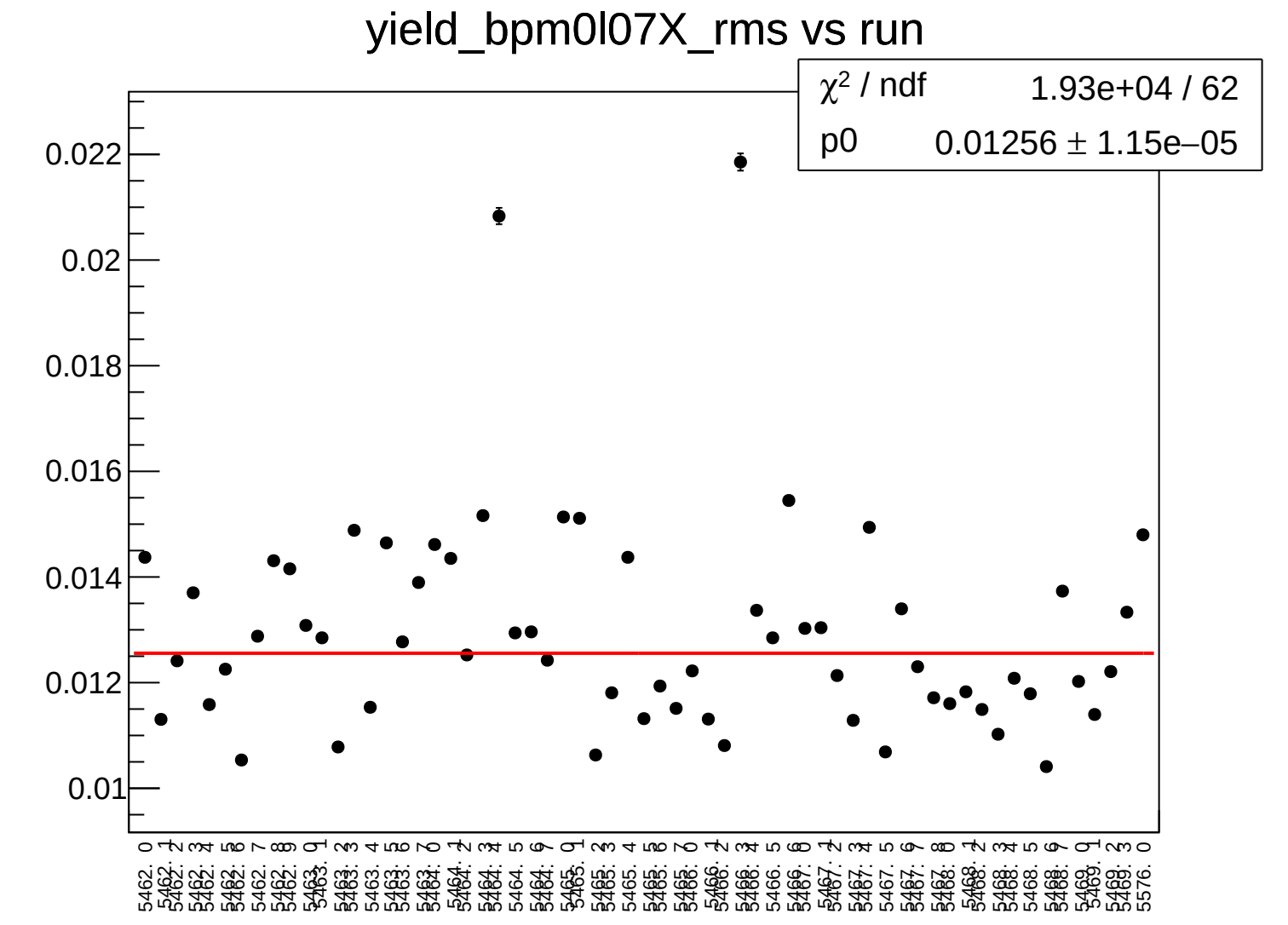
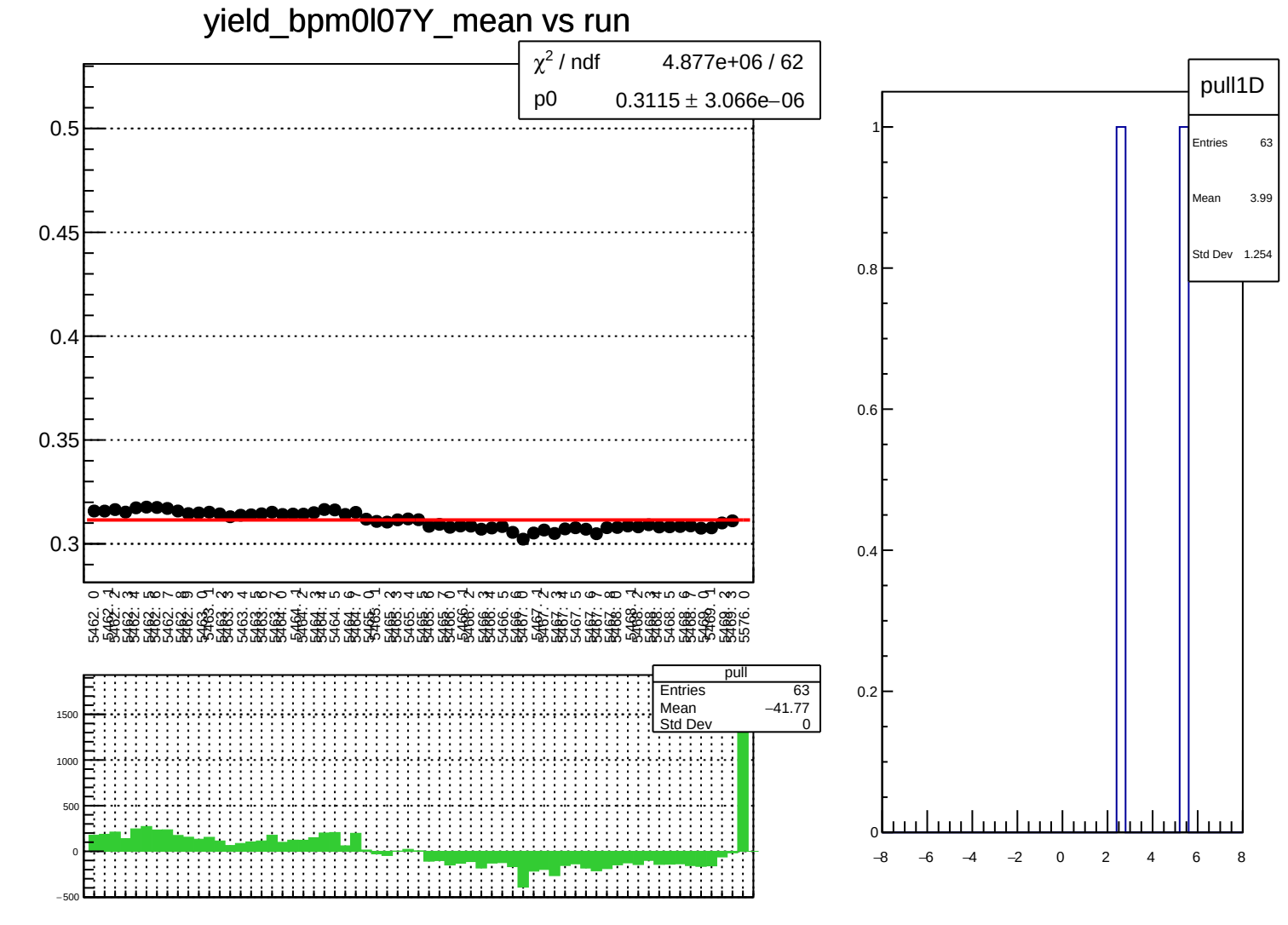
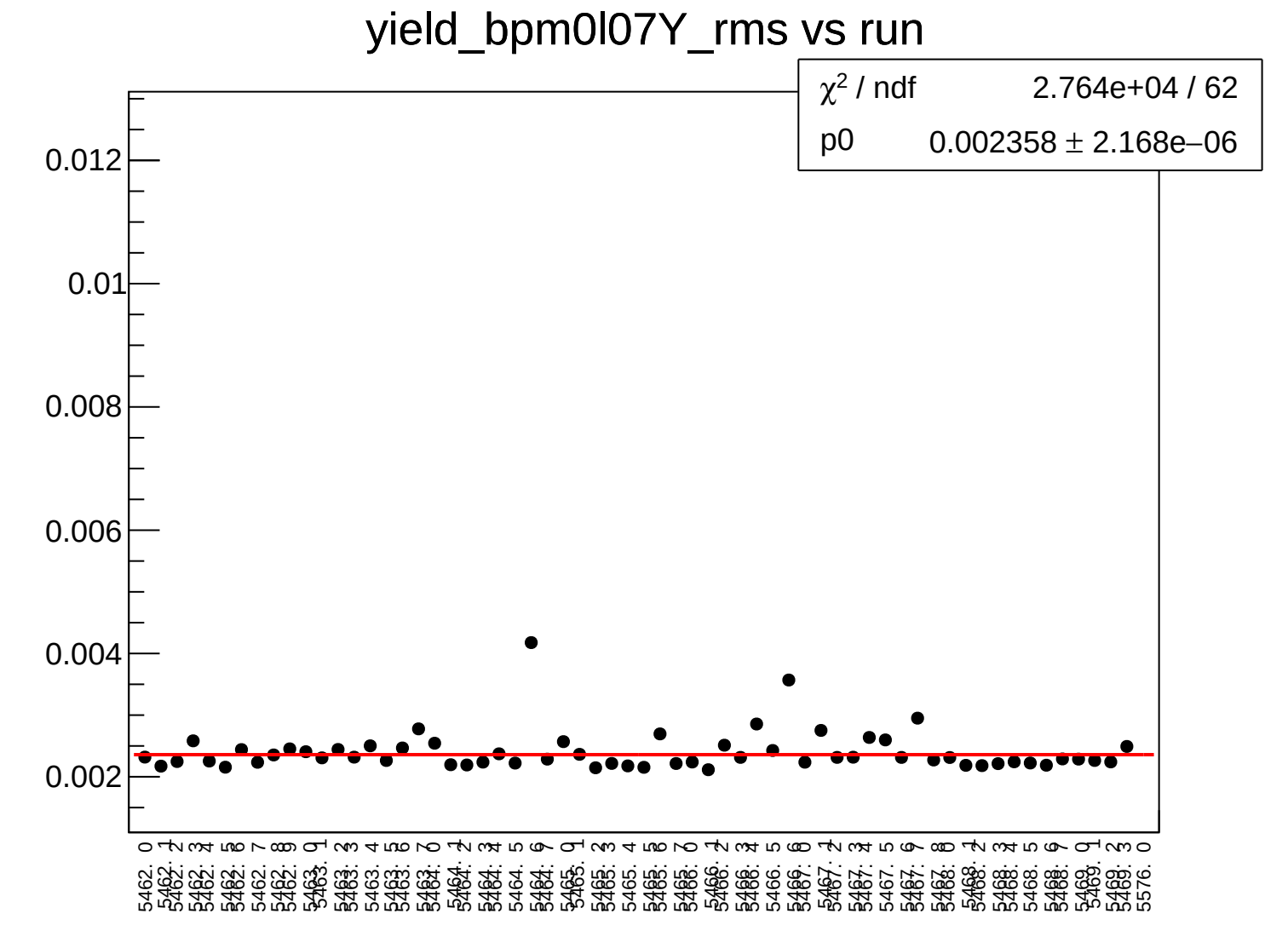
5469. 3
5576. 0

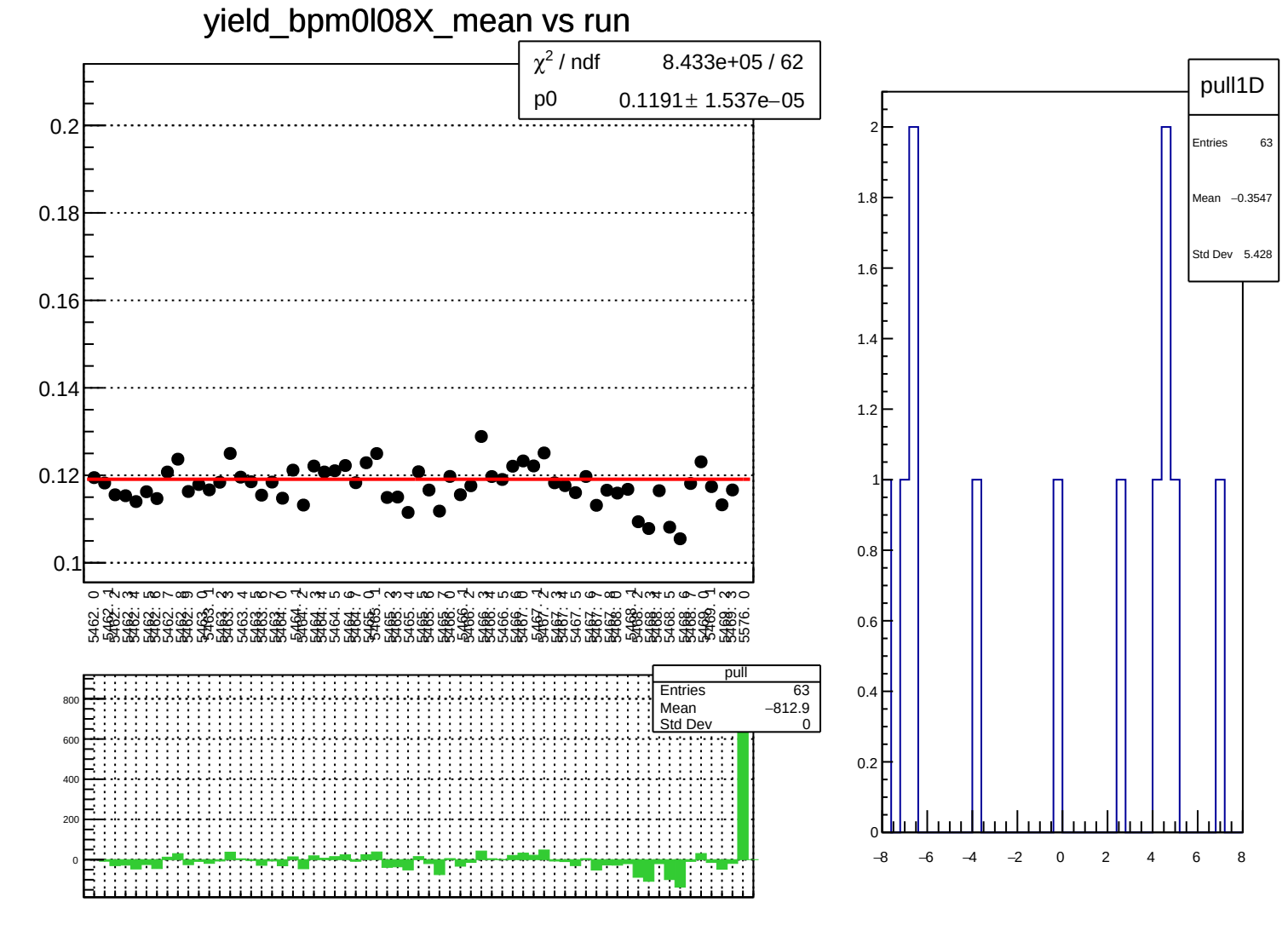

yield_bpm0l07X_mean vs run
χ² / ndf 9.399e+05 / 62
p0 −0.4507 ± 1.627e−05
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
pull
Entries 63
Mean 9477
Std Dev 0
500
400
300
200
100
0
−100
−200

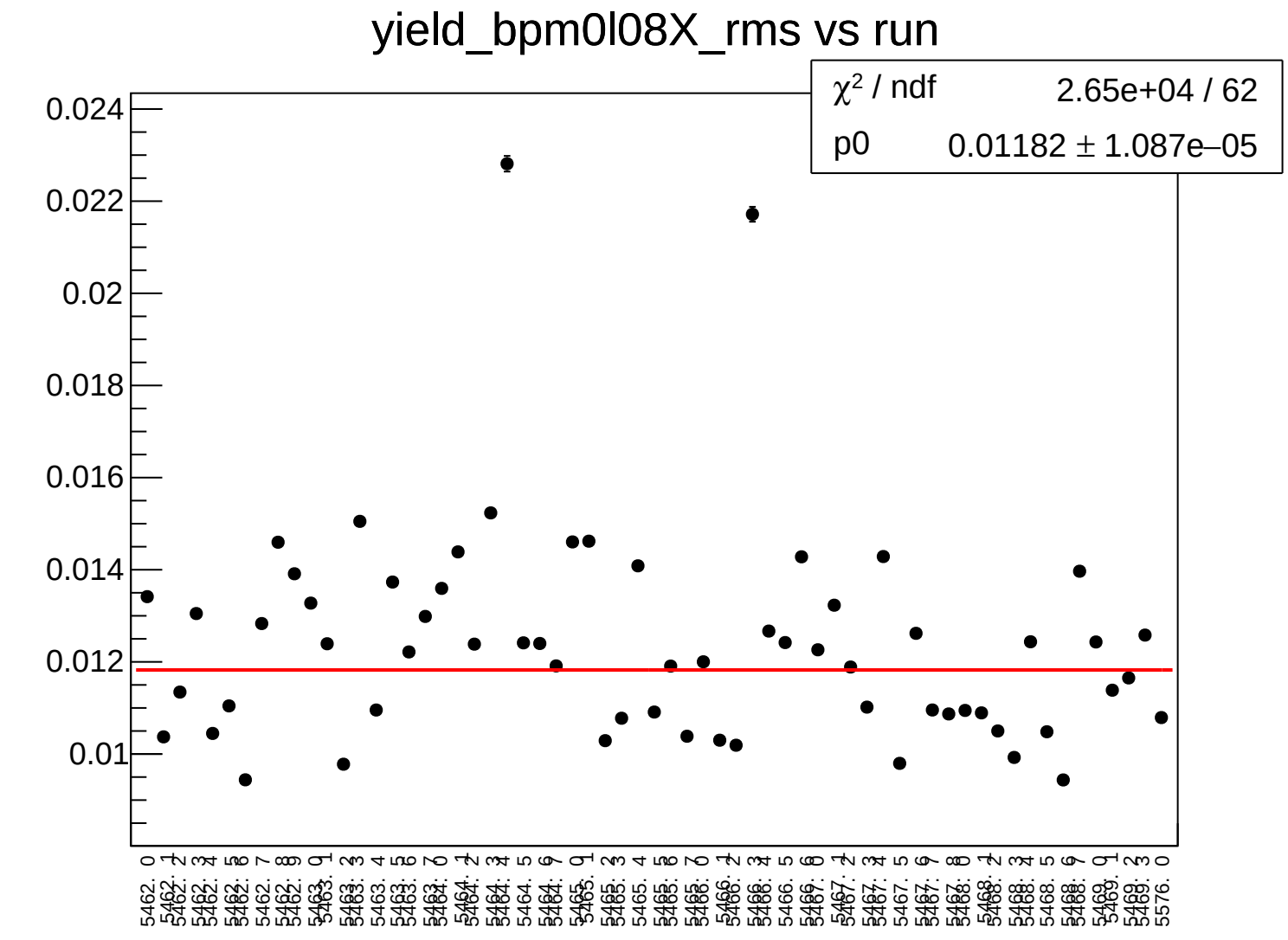

pull1D
Entries 63
Mean 0.7251
Std Dev 1.549
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

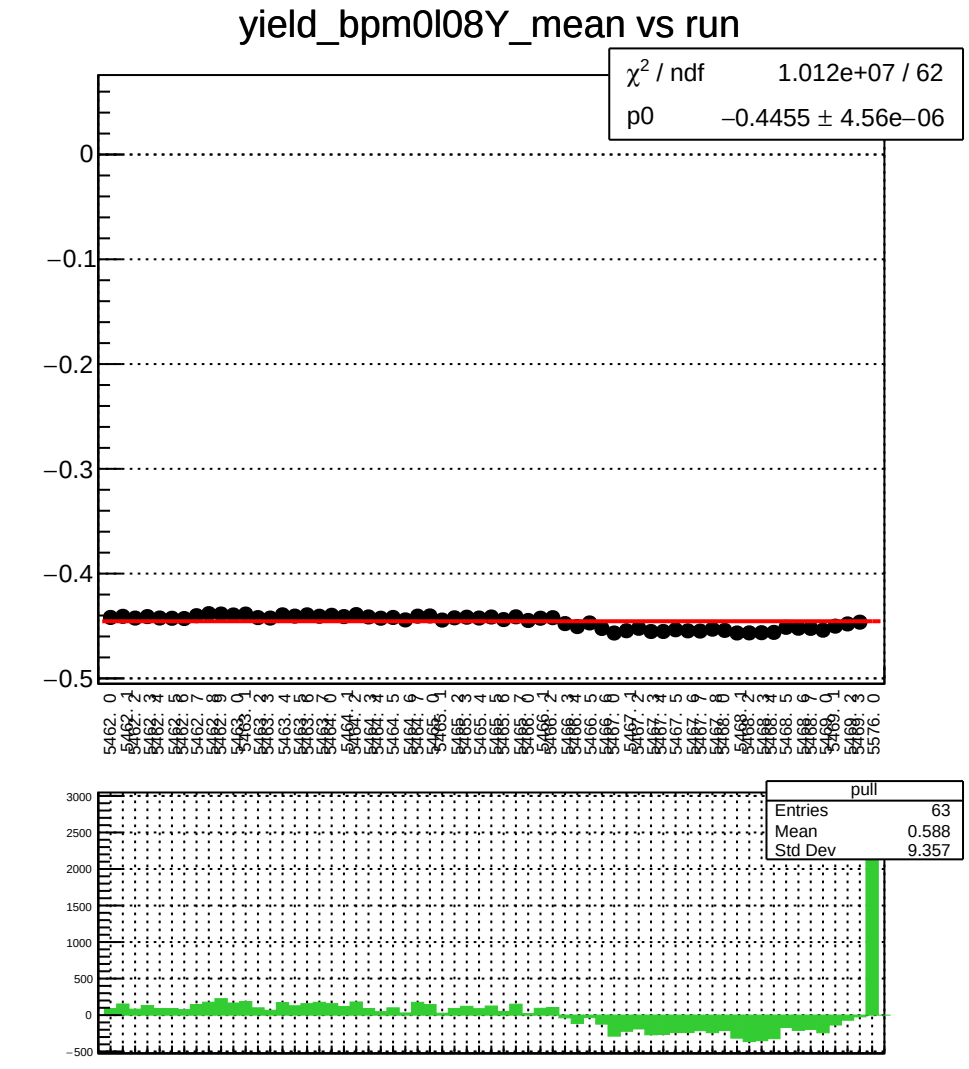

yield_bpm0l07X_rms vs run
χ² / ndf 1.93e+04 / 62
p0 0.01256 ± 1.15e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01

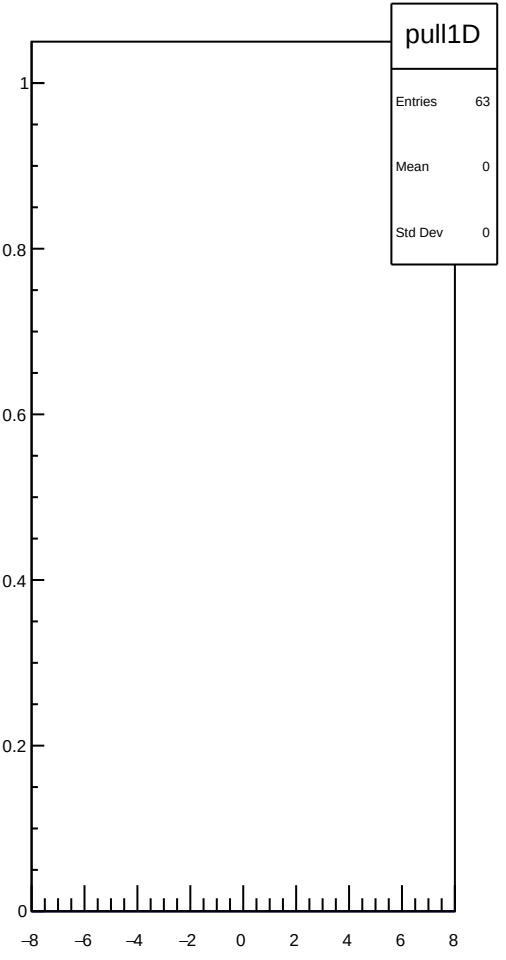

yield_bpm0l07Y_mean vs run
χ² / ndf 4.877e+06 / 62
p0 0.3115 ± 3.066e−06
0.5
0.45
0.4
0.35
0.3
pull
Entries 63
Mean −41.77
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 63
Mean 3.99
Std Dev 1.254
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

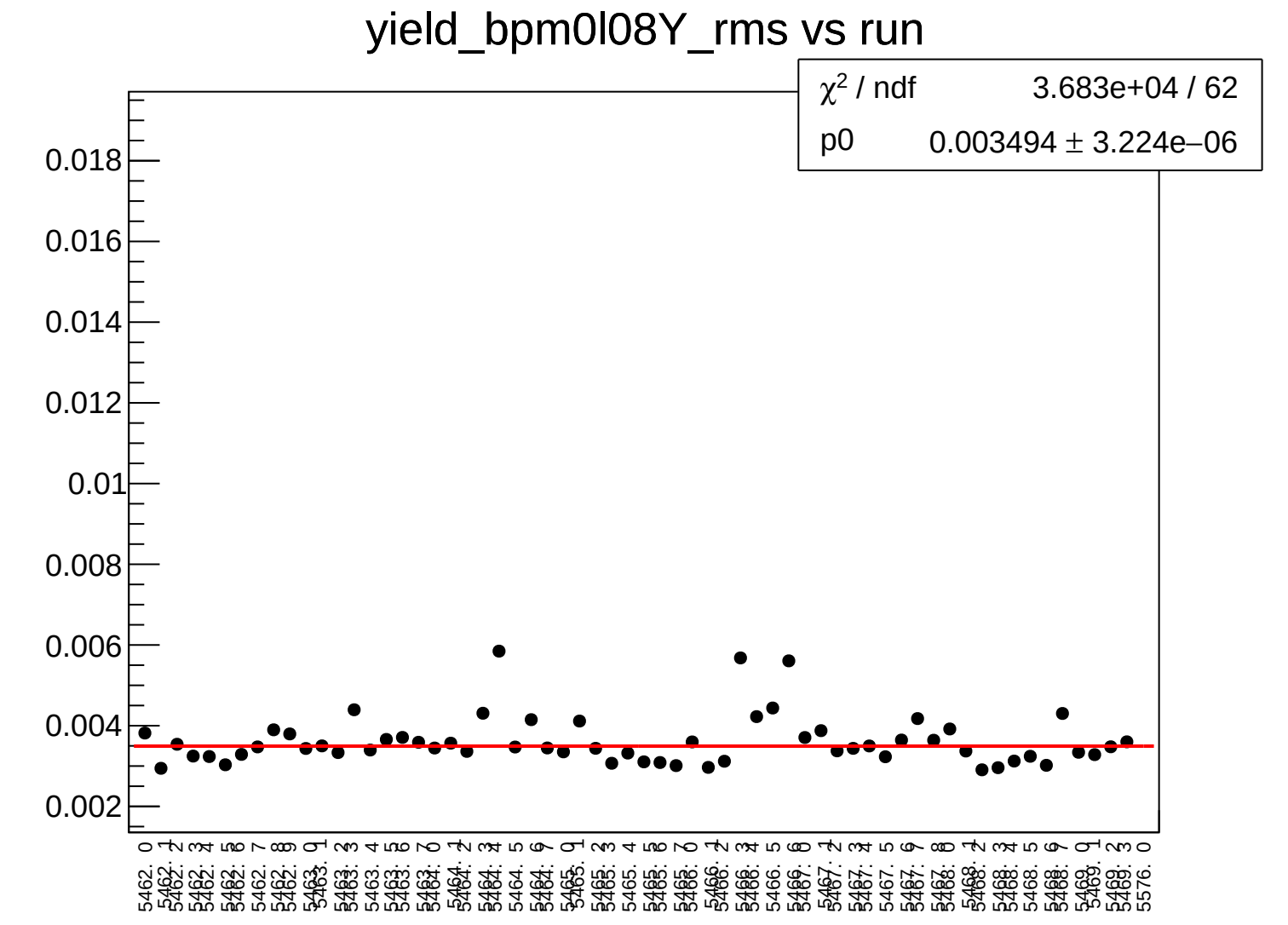

yield_bpm0l07Y_rms vs run
χ² / ndf 2.764e+04 / 62
p0 0.002358 ± 2.168e−06
0.012
0.01
0.008
0.006
0.004
0.002

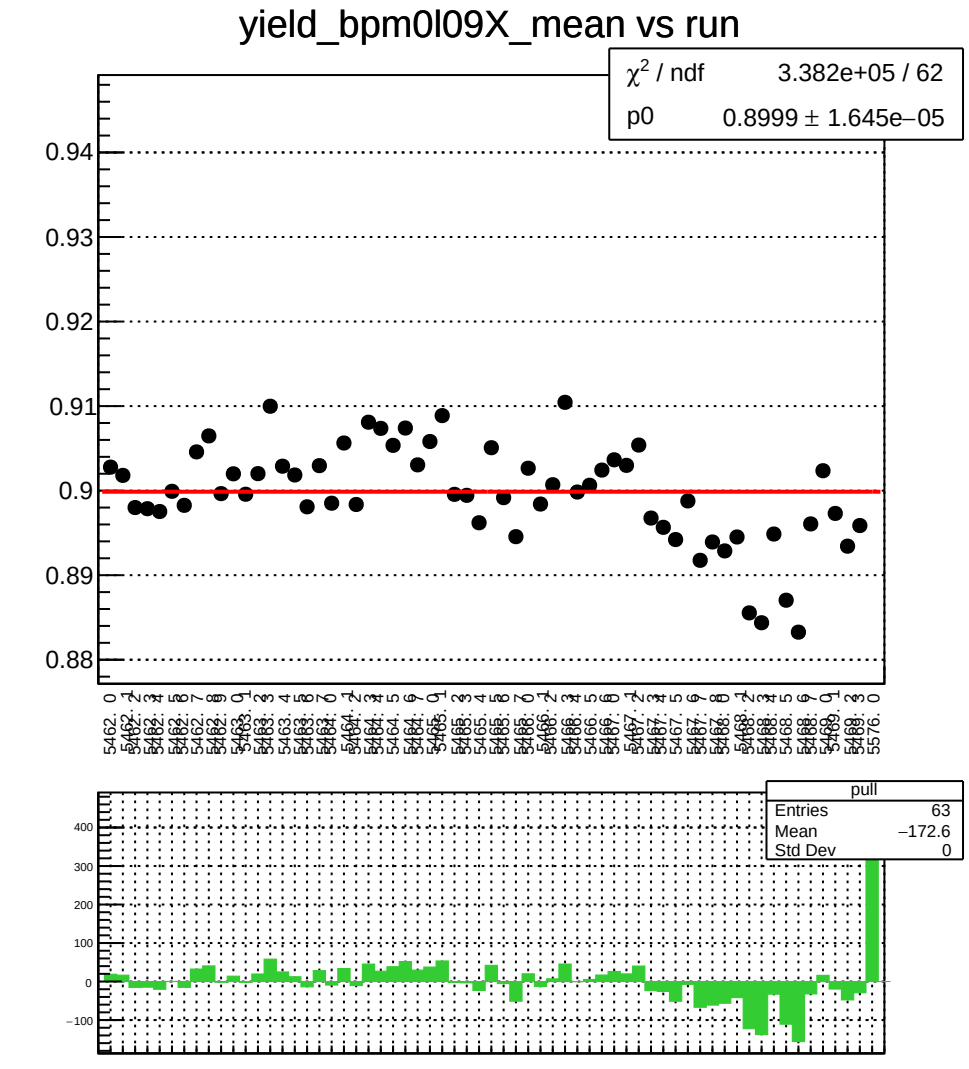

yield_bpm0l08X_mean vs run
χ² / ndf 8.433e+05 / 62
p0 0.1191 ± 1.537e−05
0.2
0.18
0.16
0.14
0.12
0.1
pull
Entries 63
Mean −812.9
Std Dev 0
800
600
400
200
0
pull1D
Entries 63
Mean −0.3547
Std Dev 5.428
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

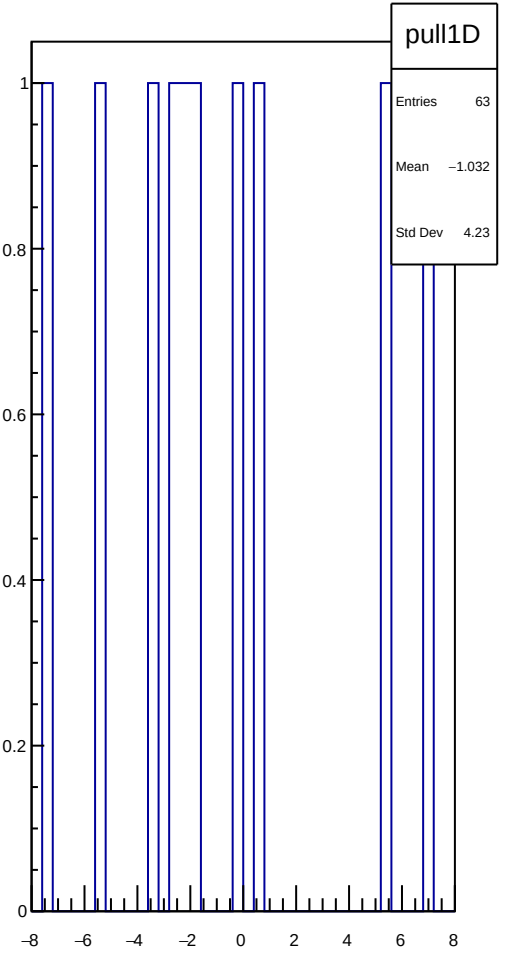

yield_bpm0l08X_rms vs run
χ² / ndf 2.65e+04 / 62
p0 0.01182 ± 1.087e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

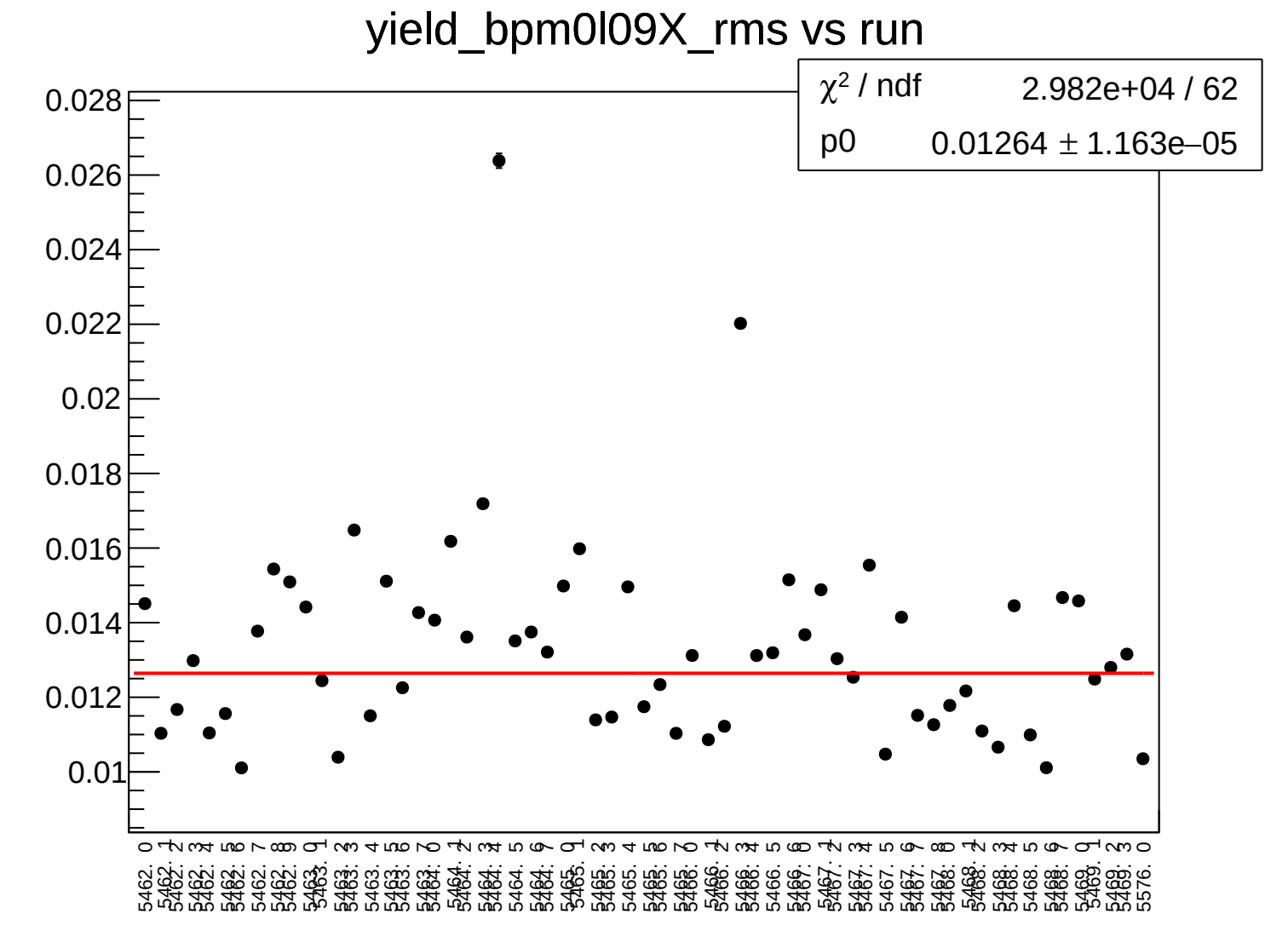

yield_bpm0l08Y_mean vs run
χ² / ndf 1.012e+07 / 62
p0 −0.4455 ± 4.56e−06
pull
Entries 63
Mean 0.588
Std Dev 9.357

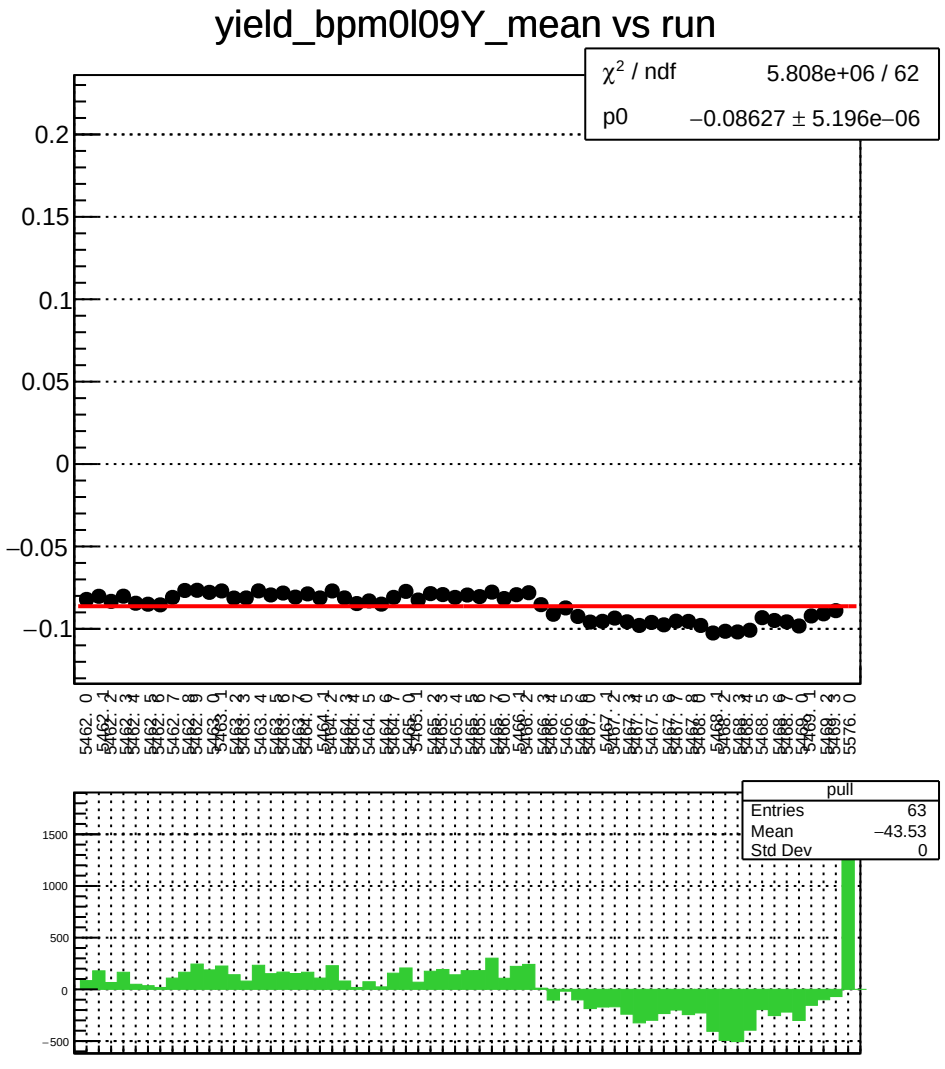

pull1D
Entries 63
Mean 0
Std Dev 0

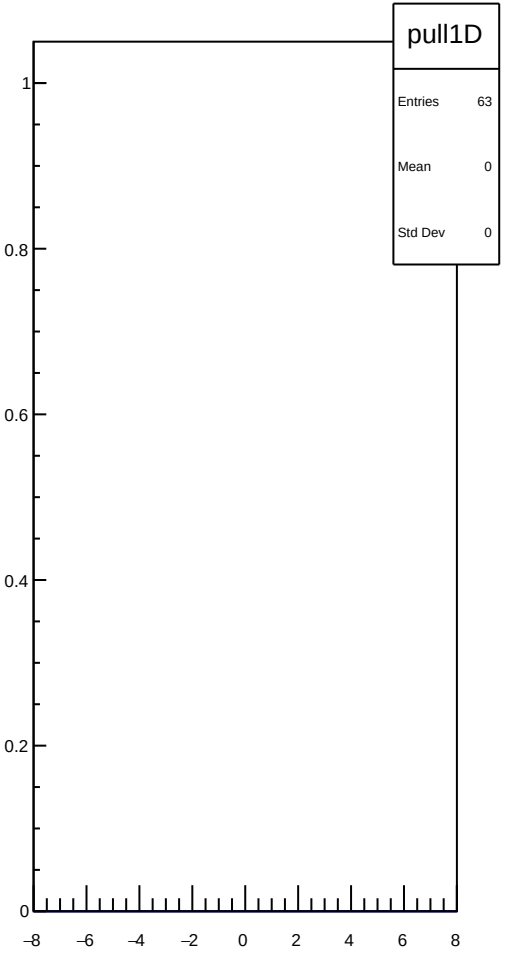

yield_bpm0l08Y_rms vs run
χ² / ndf 3.683e+04 / 62
p0 0.003494 ± 3.224e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

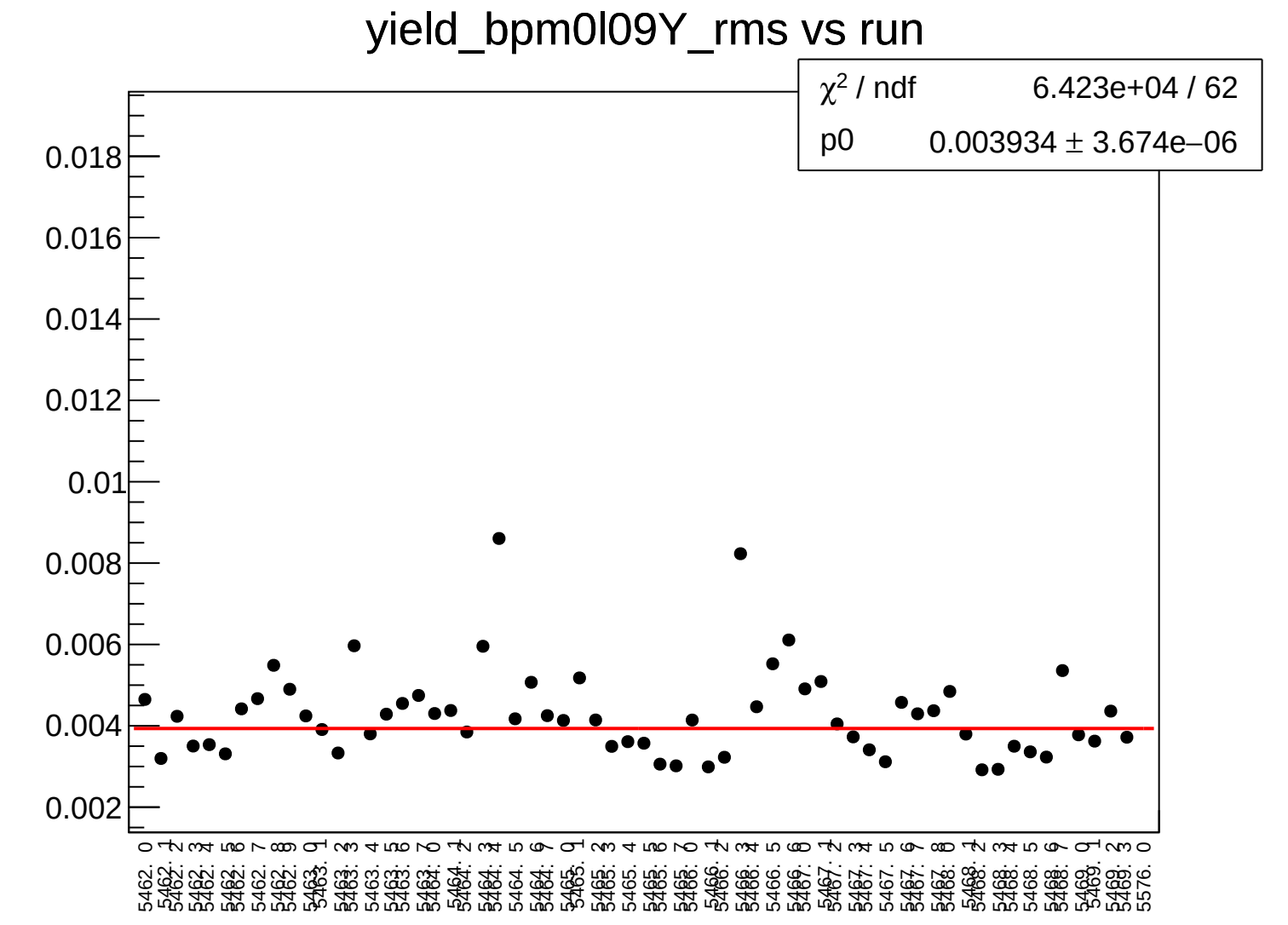

yield_bpm0l09X_mean vs run
χ² / ndf 3.382e+05 / 62
p0 0.8999 ± 1.645e−05
0.94
0.93
0.92
0.91
0.9
0.89
0.88
pull
Entries 63
Mean −172.6
Std Dev 0
400
300
200
100
0
−100

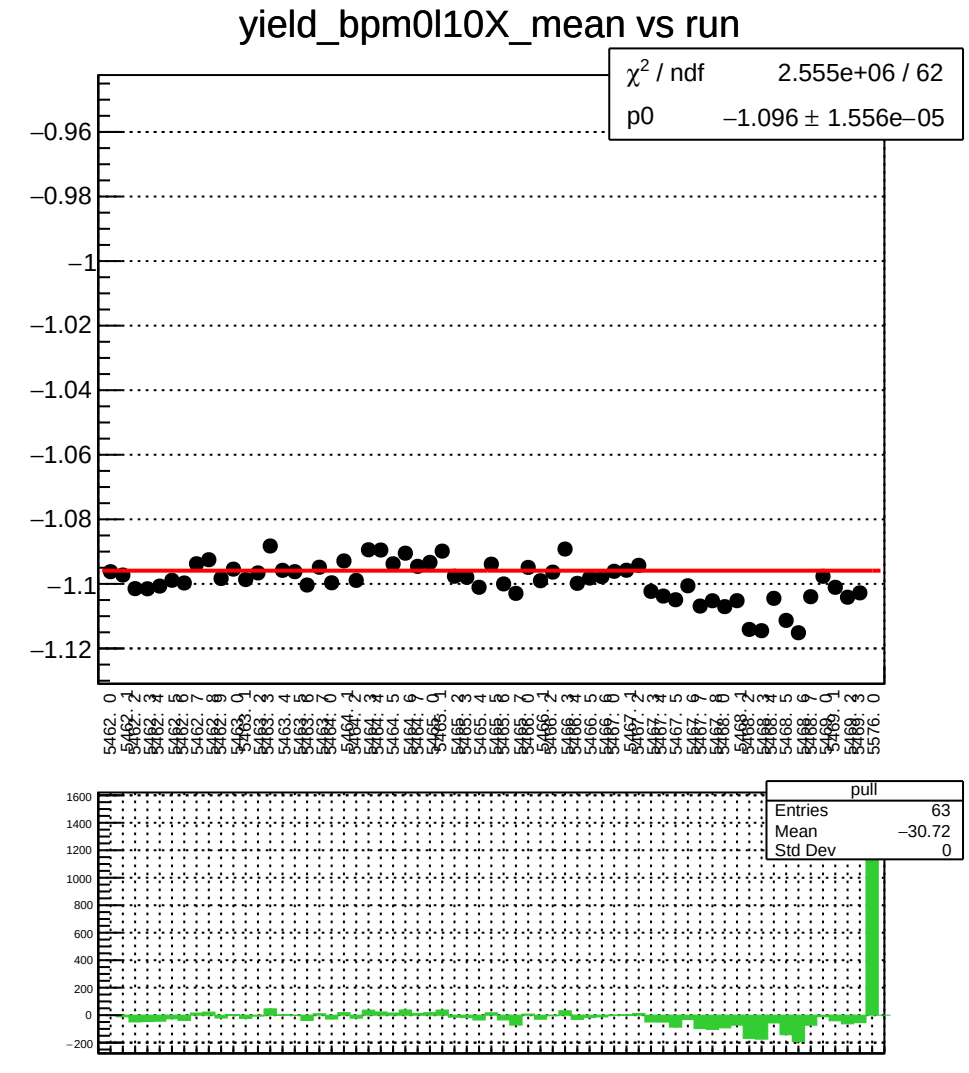

pull1D
Entries 63
Mean −1.032
Std Dev 4.23
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

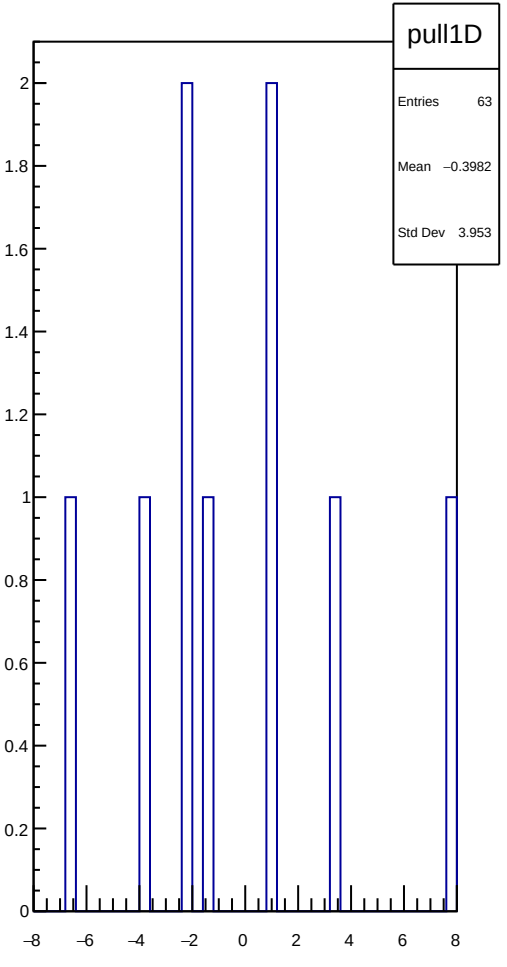

yield_bpm0l09X_rms vs run
χ² / ndf 2.982e+04 / 62
p0 0.01264 ± 1.163e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

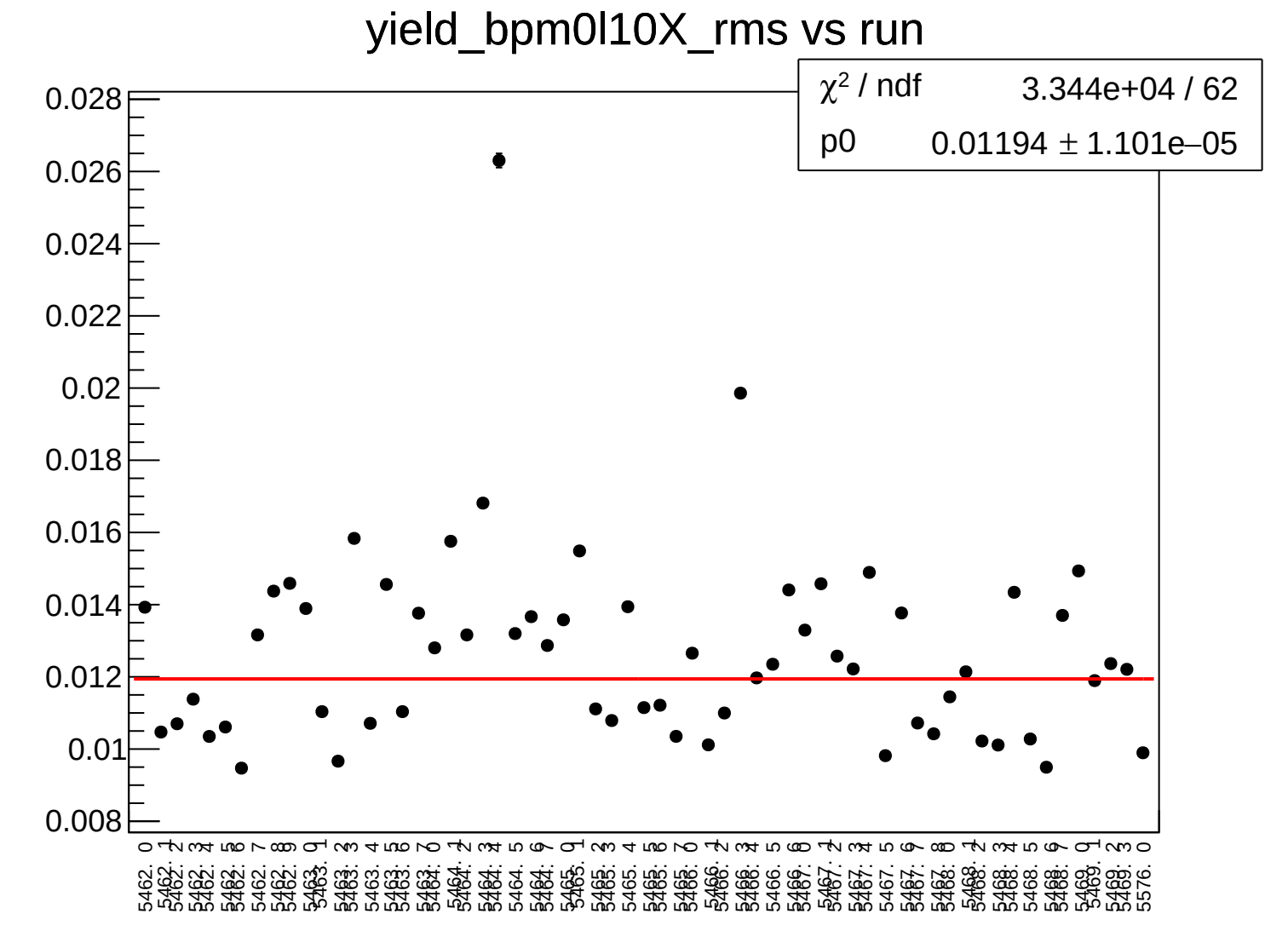

yield_bpm0l09Y_mean vs run
χ² / ndf 5.808e+06 / 62
p0 −0.08627 ± 5.196e−06
pull
Entries 63
Mean −43.53
Std Dev 0

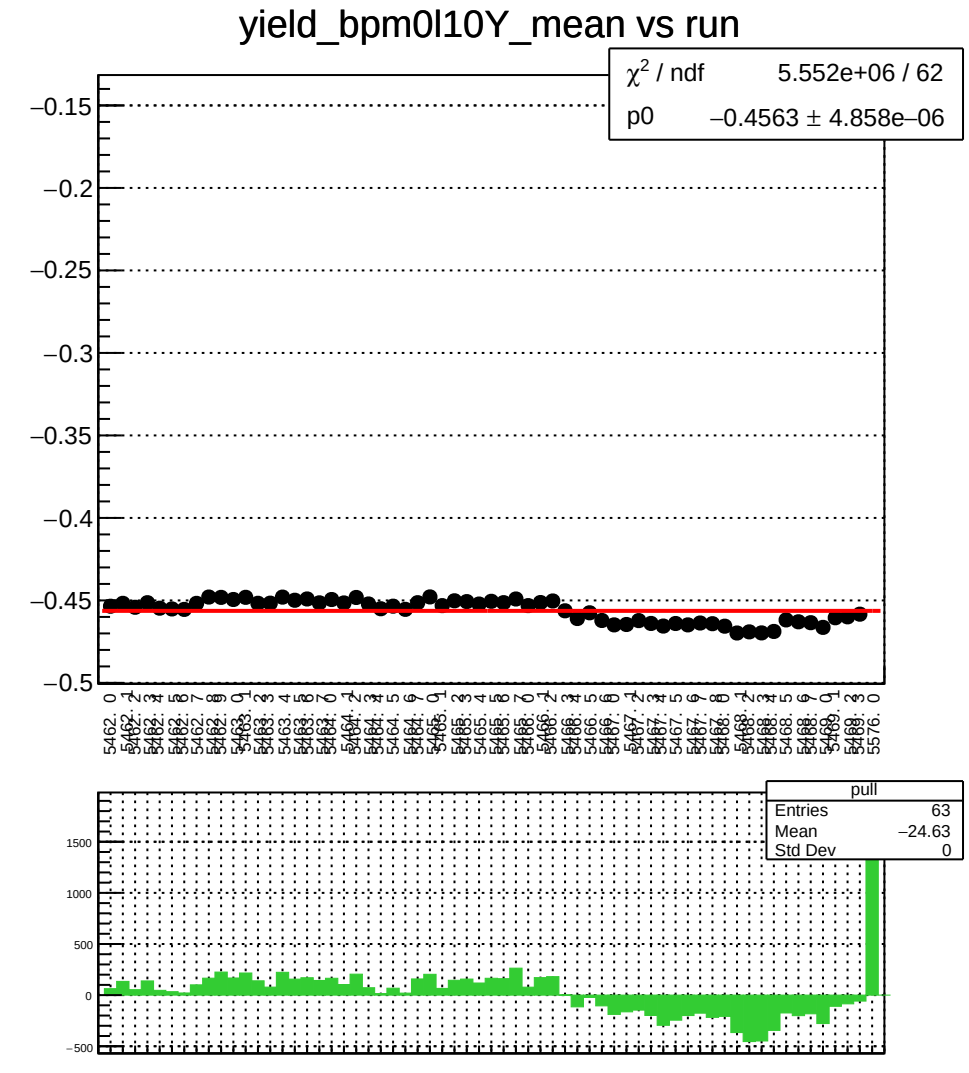

pull1D
Entries 63
Mean 0
Std Dev 0

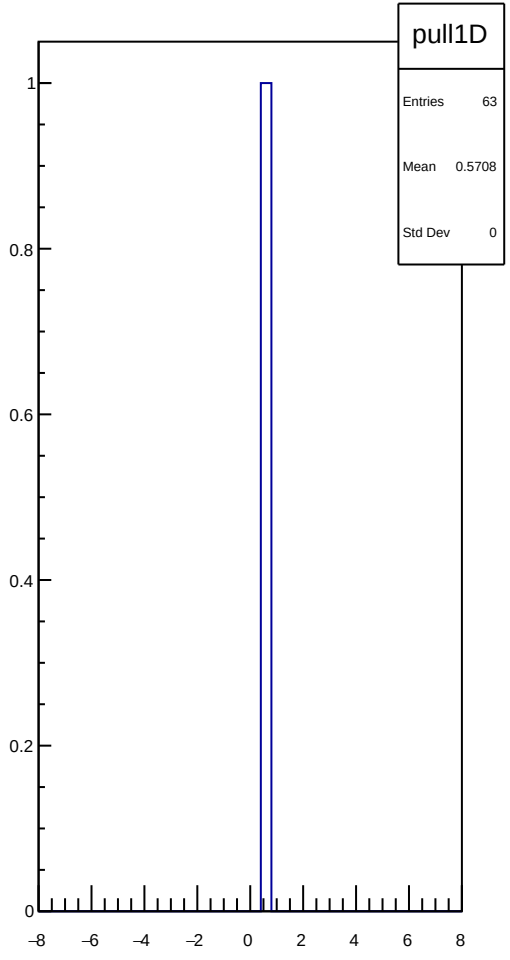

yield_bpm0l09Y_rms vs run
χ² / ndf 6.423e+04 / 62
p0 0.003934 ± 3.674e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

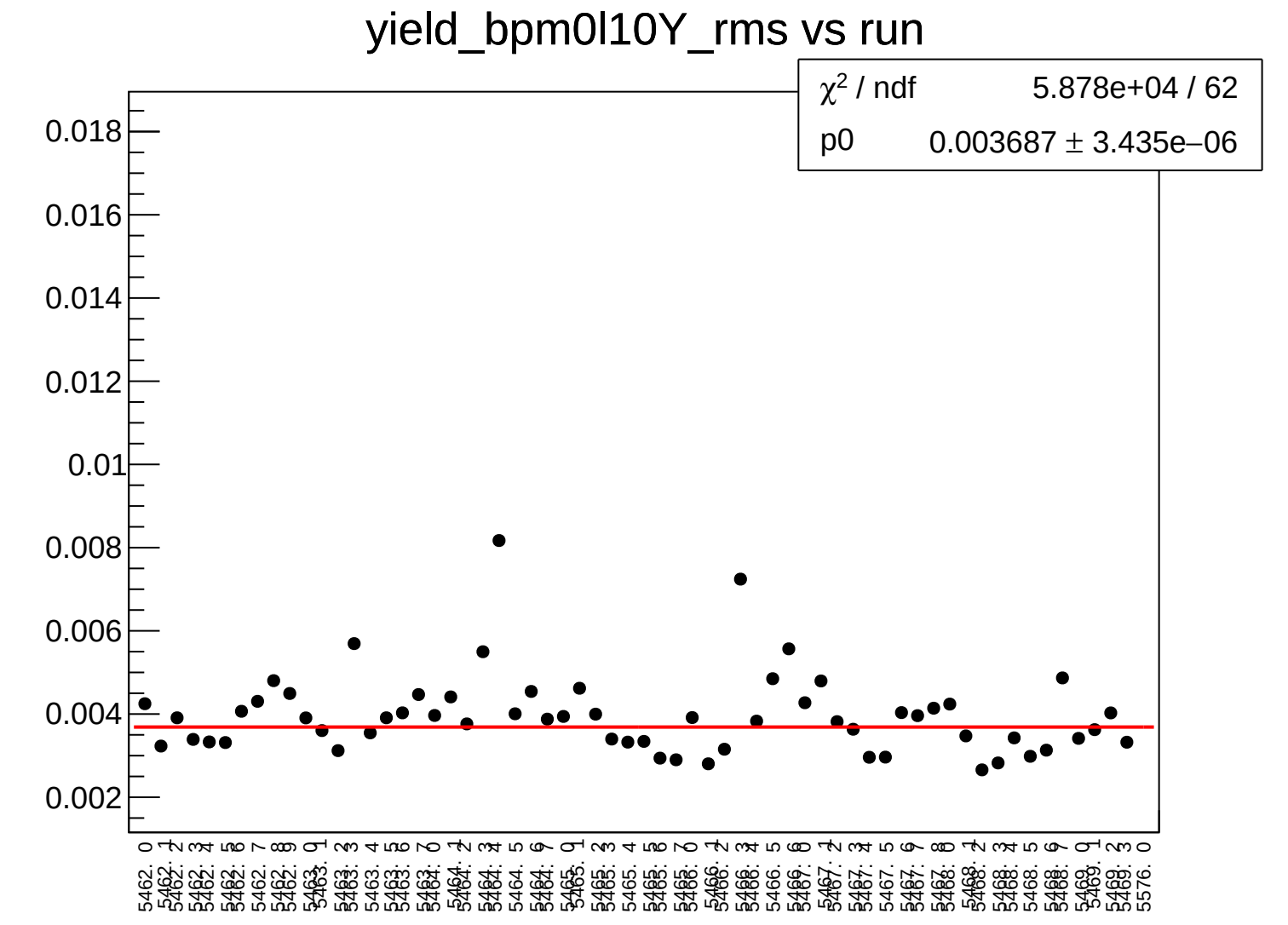

yield_bpm0l10X_mean vs run
χ² / ndf 2.555e+06 / 62
p0 −1.096 ± 1.556e−05
pull
Entries 63
Mean −30.72
Std Dev 0

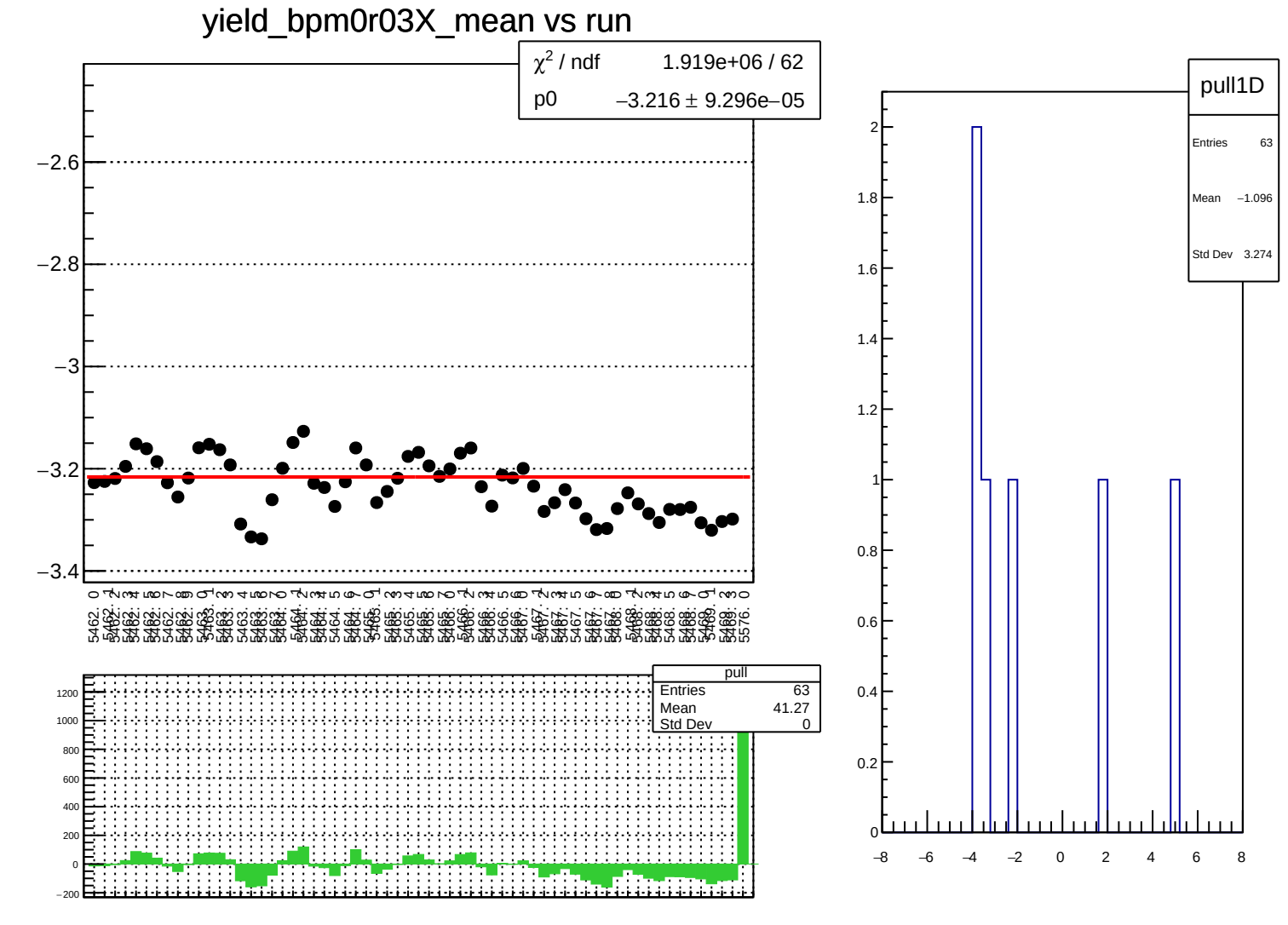

pull1D
Entries 63
Mean −0.3982
Std Dev 3.953

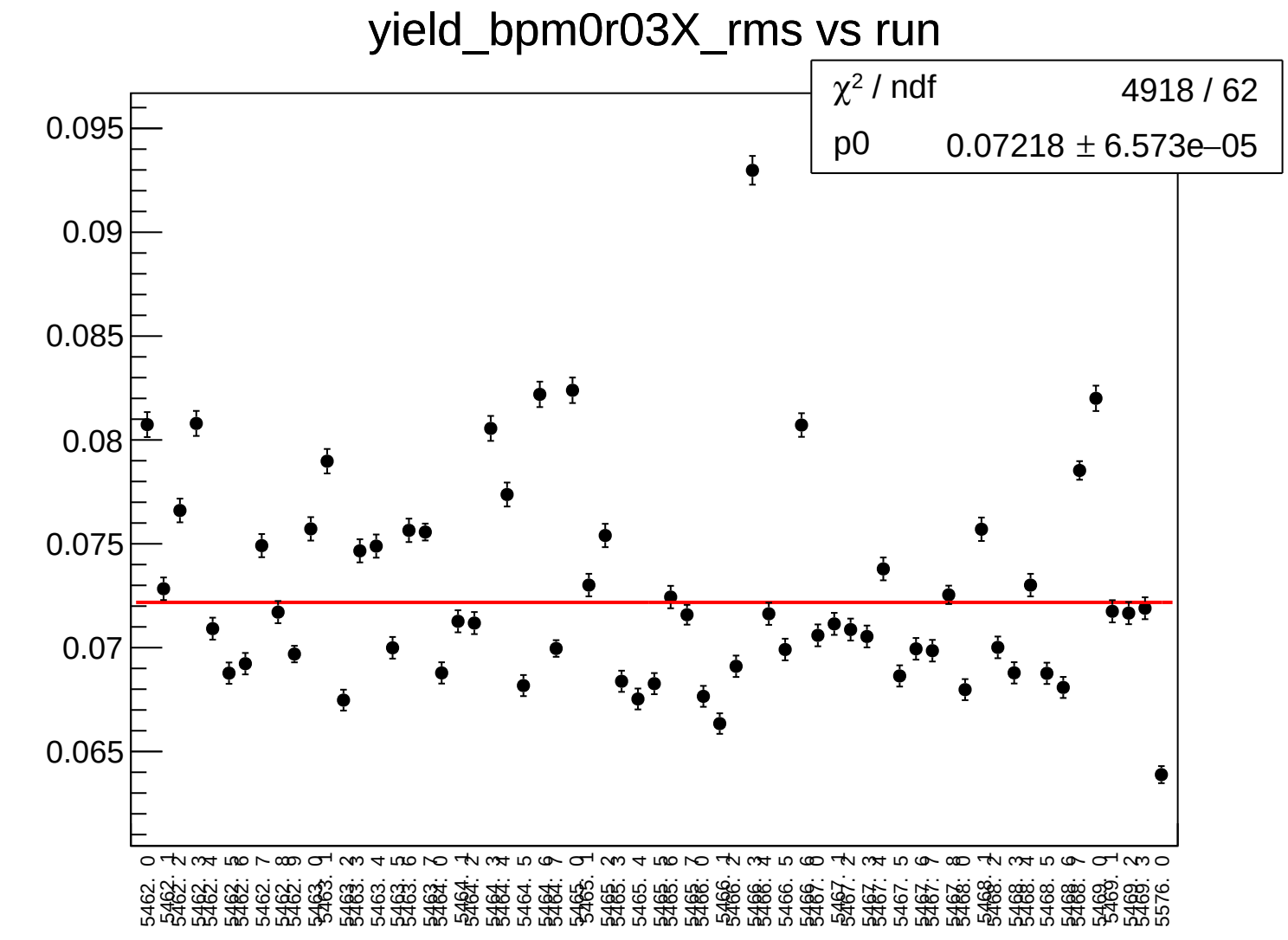

yield_bpm0l10X_rms vs run
χ² / ndf 3.344e+04 / 62
p0 0.01194 ± 1.101e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

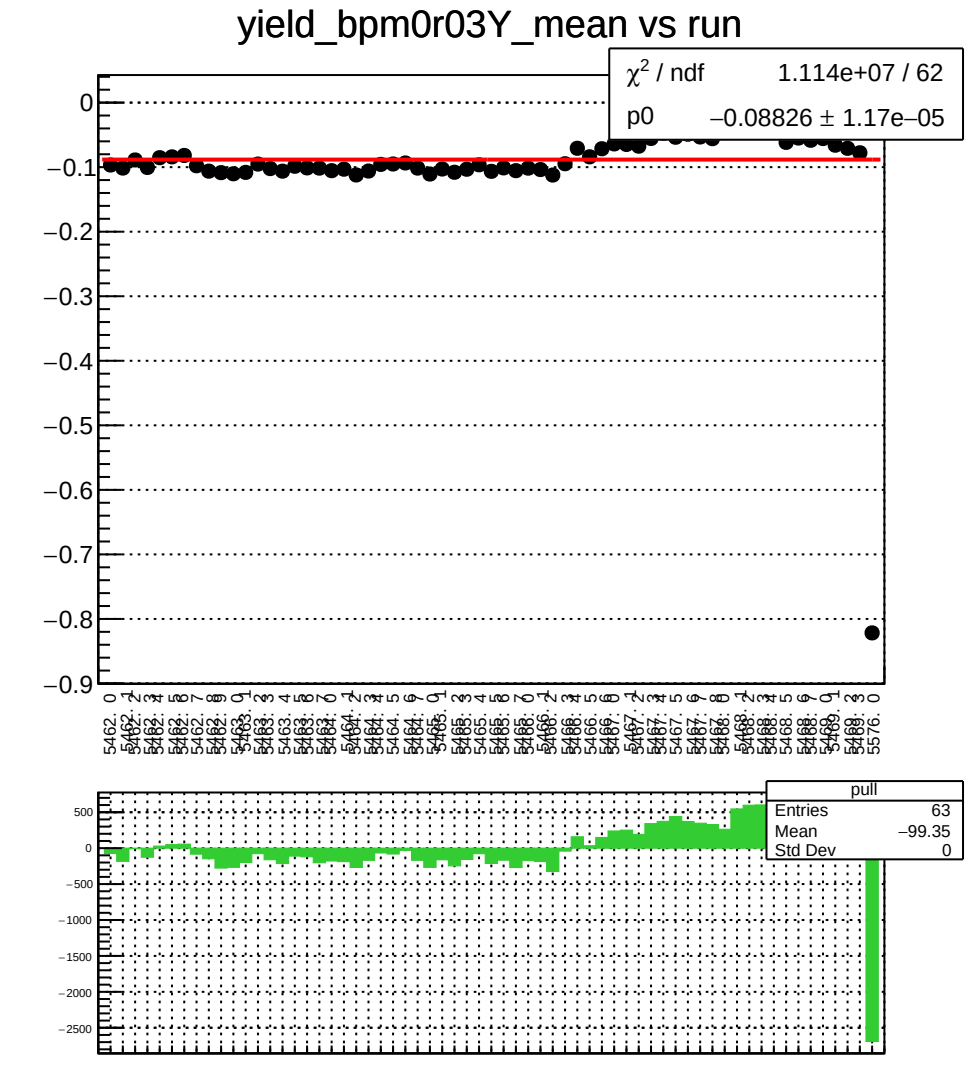

yield_bpm0l10Y_mean vs run
χ² / ndf 5.552e+06 / 62
p0 −0.4563 ± 4.858e−06
pull
Entries 63
Mean −24.63
Std Dev 0

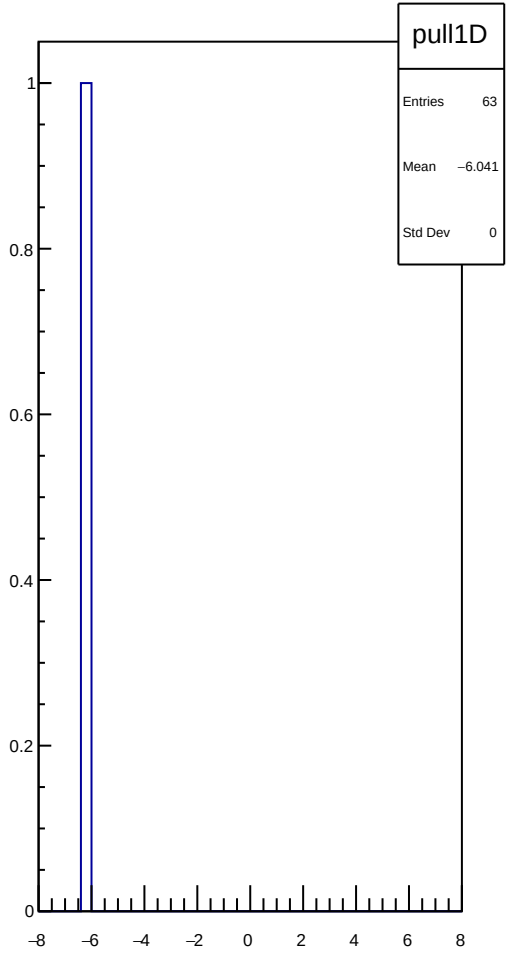

pull1D
Entries 63
Mean 0.5708
Std Dev 0

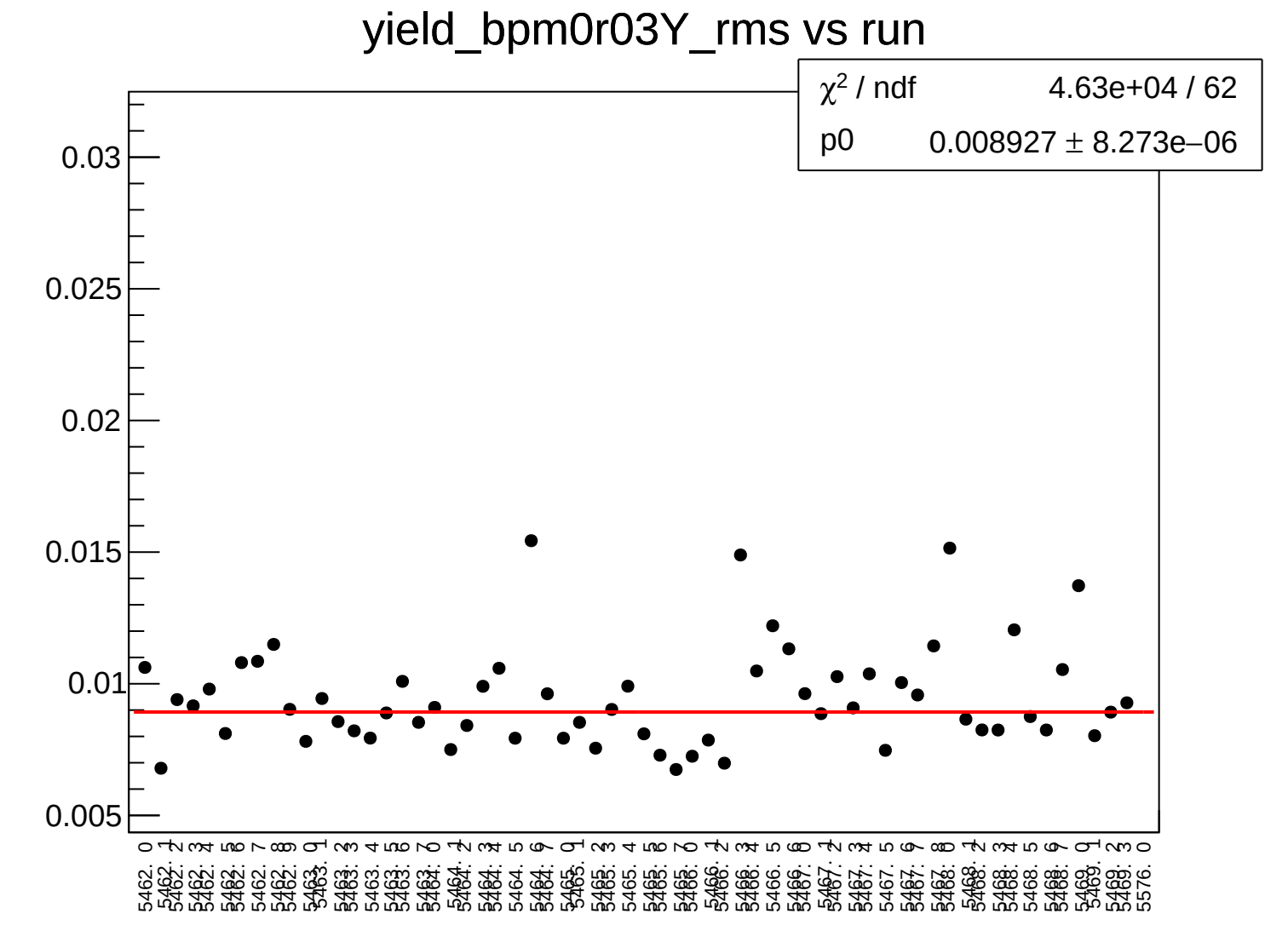

yield_bpm0l10Y_rms vs run
χ² / ndf 5.878e+04 / 62
p0 0.003687 ± 3.435e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

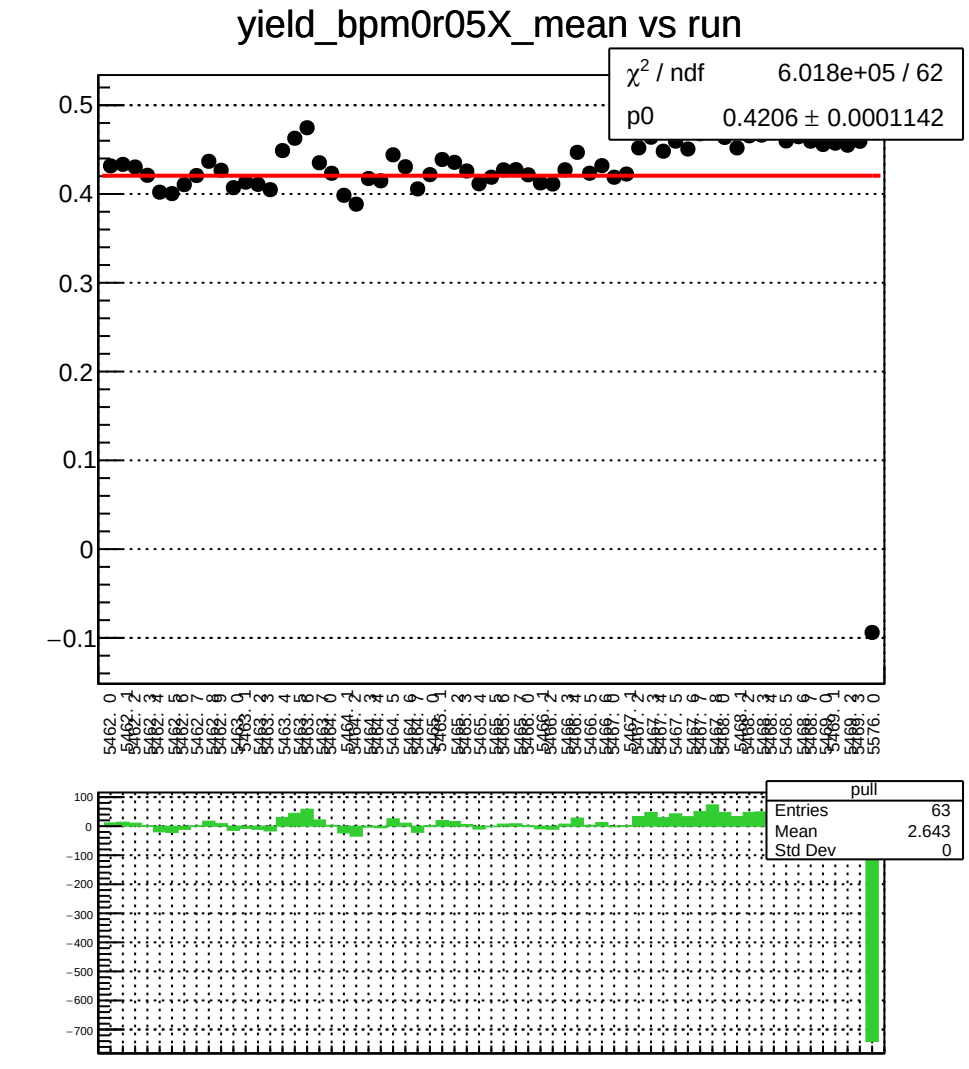

yield_bpm0r03X_mean vs run
χ² / ndf 1.919e+06 / 62
p0 −3.216 ± 9.296e−05
−2.6
−2.8
−3
−3.2
−3.4
pull
Entries 63
Mean 41.27
Std Dev 0
1200
1000
800
600
400
200
0
−200
pull1D
Entries 63
Mean −1.096
Std Dev 3.274
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

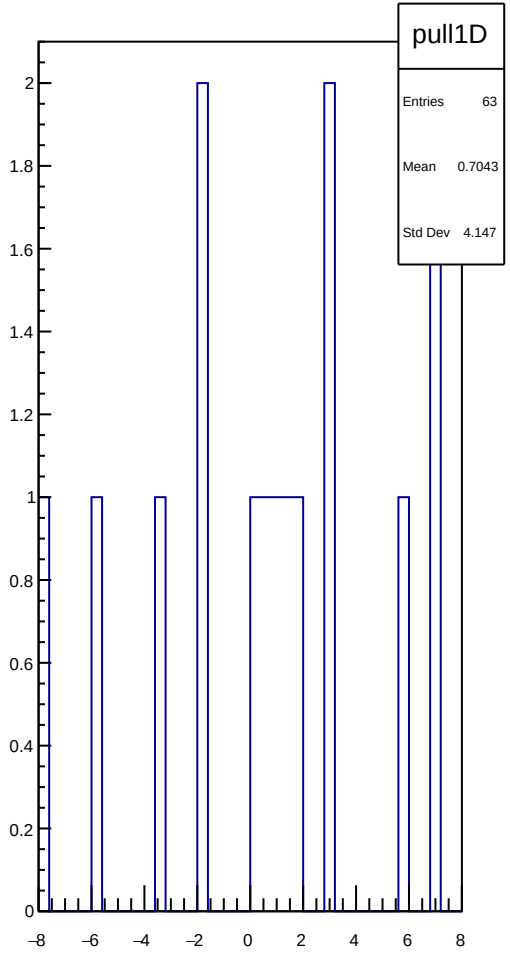

yield_bpm0r03X_rms vs run
χ² / ndf 4918 / 62
p0 0.07218 ± 6.573e–05
0.095
0.09
0.085
0.08
0.075
0.07
0.065

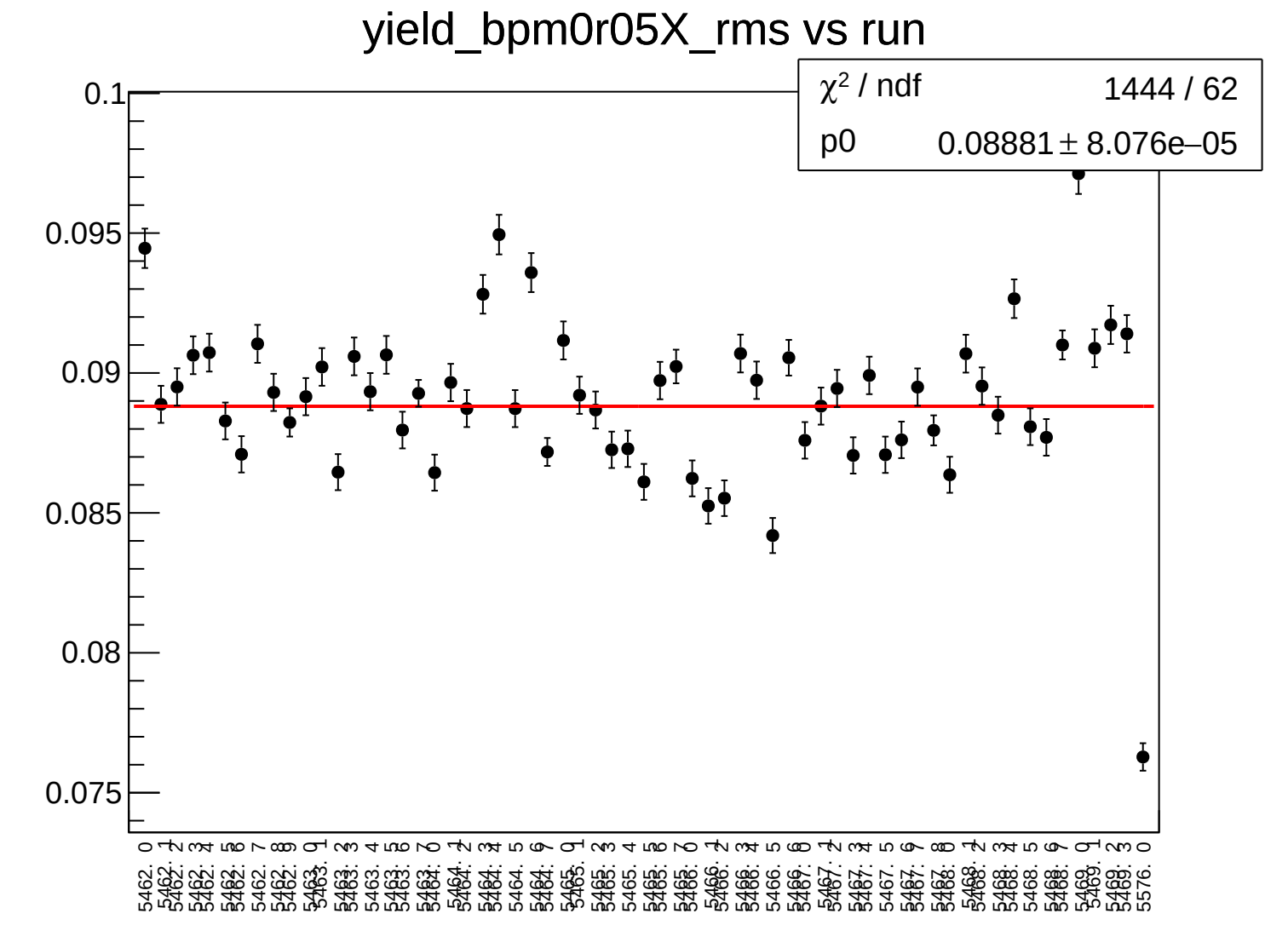

yield_bpm0r03Y_mean vs run
χ² / ndf 1.114e+07 / 62
p0 −0.08826 ± 1.17e−05
pull
Entries 63
Mean −99.35
Std Dev 0

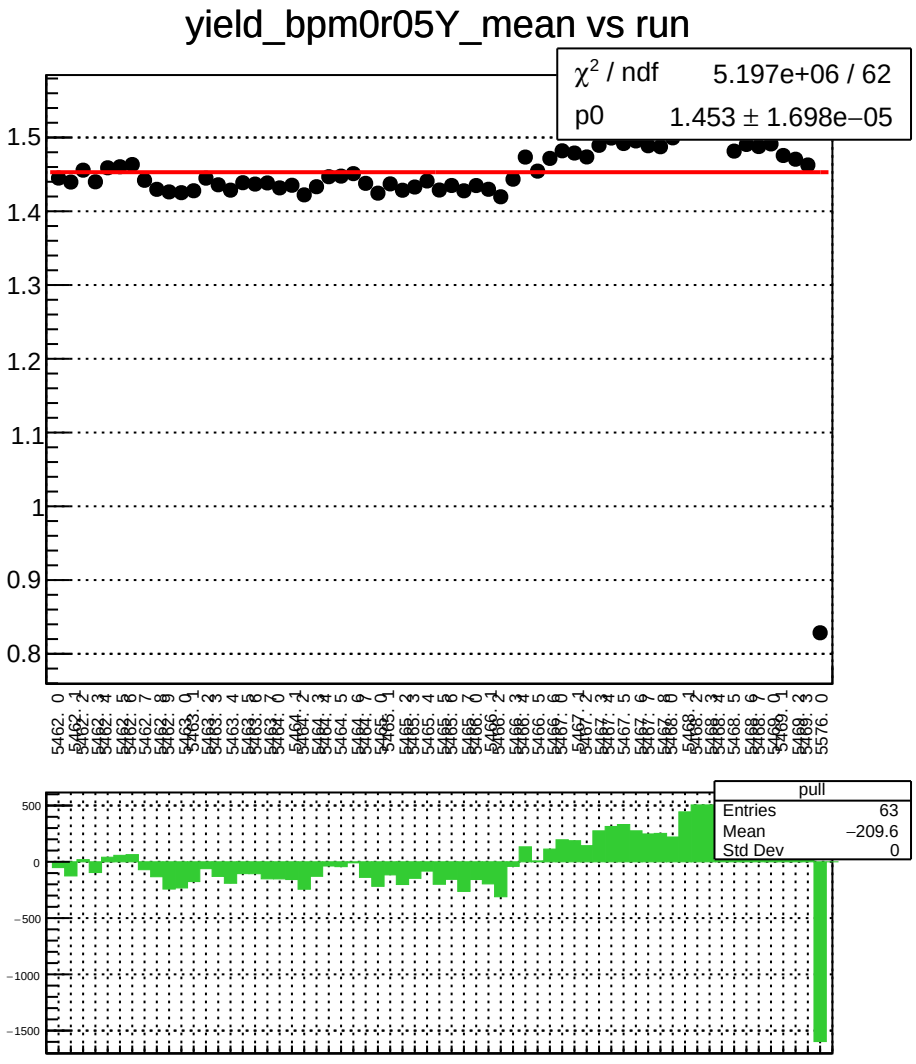

pull1D
Entries 63
Mean −6.041
Std Dev 0

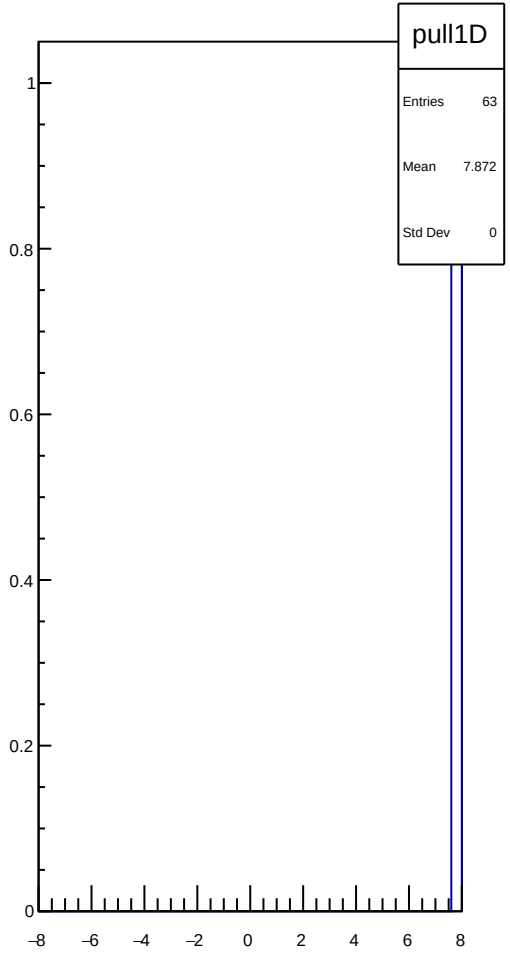

yield_bpm0r03Y_rms vs run
χ² / ndf 4.63e+04 / 62
p0 0.008927 ± 8.273e−06
0.03
0.025
0.02
0.015
0.01
0.005

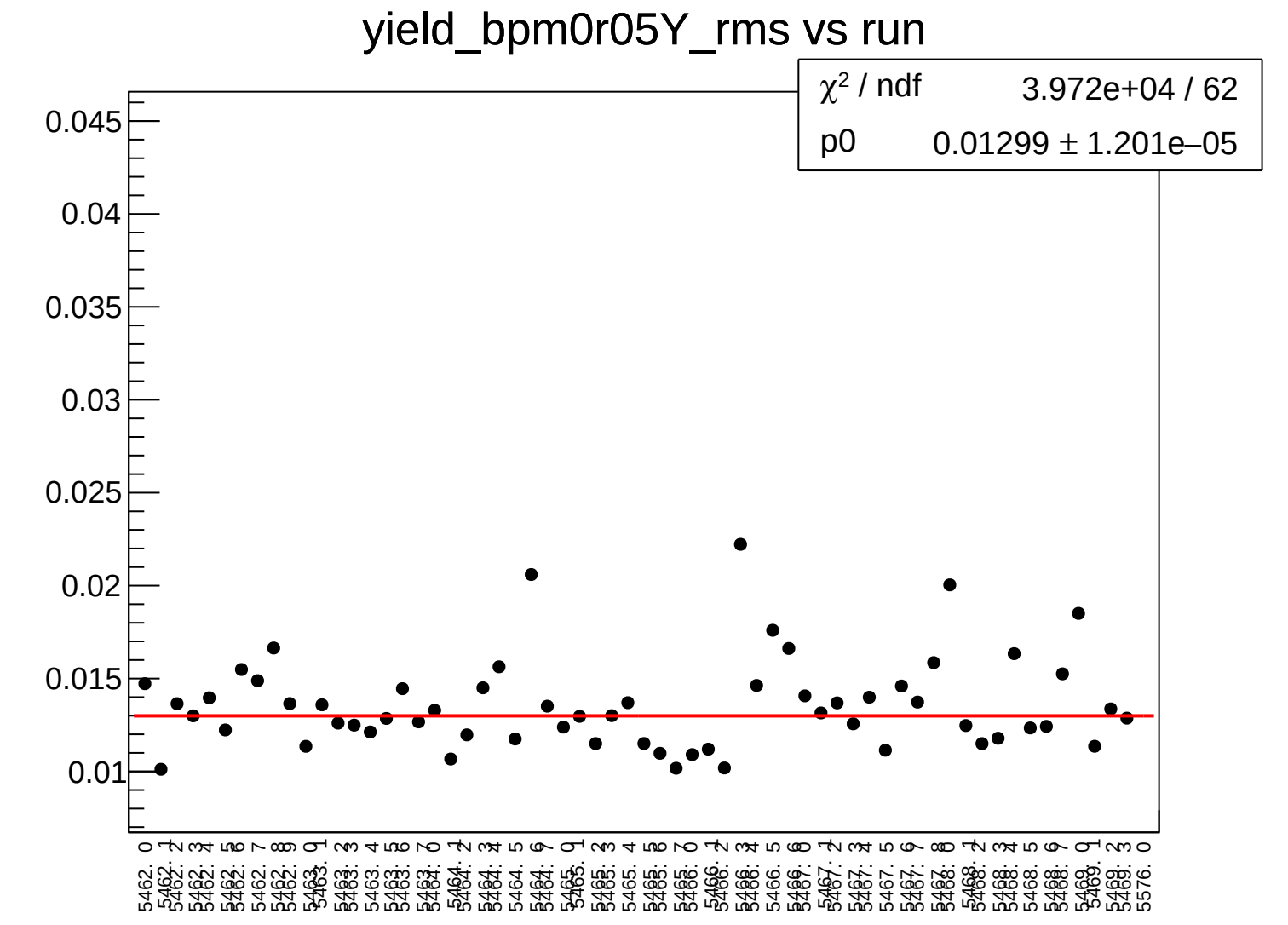

yield_bpm0r05X_mean vs run
χ² / ndf 6.018e+05 / 62
p0 0.4206 ± 0.0001142
pull
Entries 63
Mean 2.643
Std Dev 0

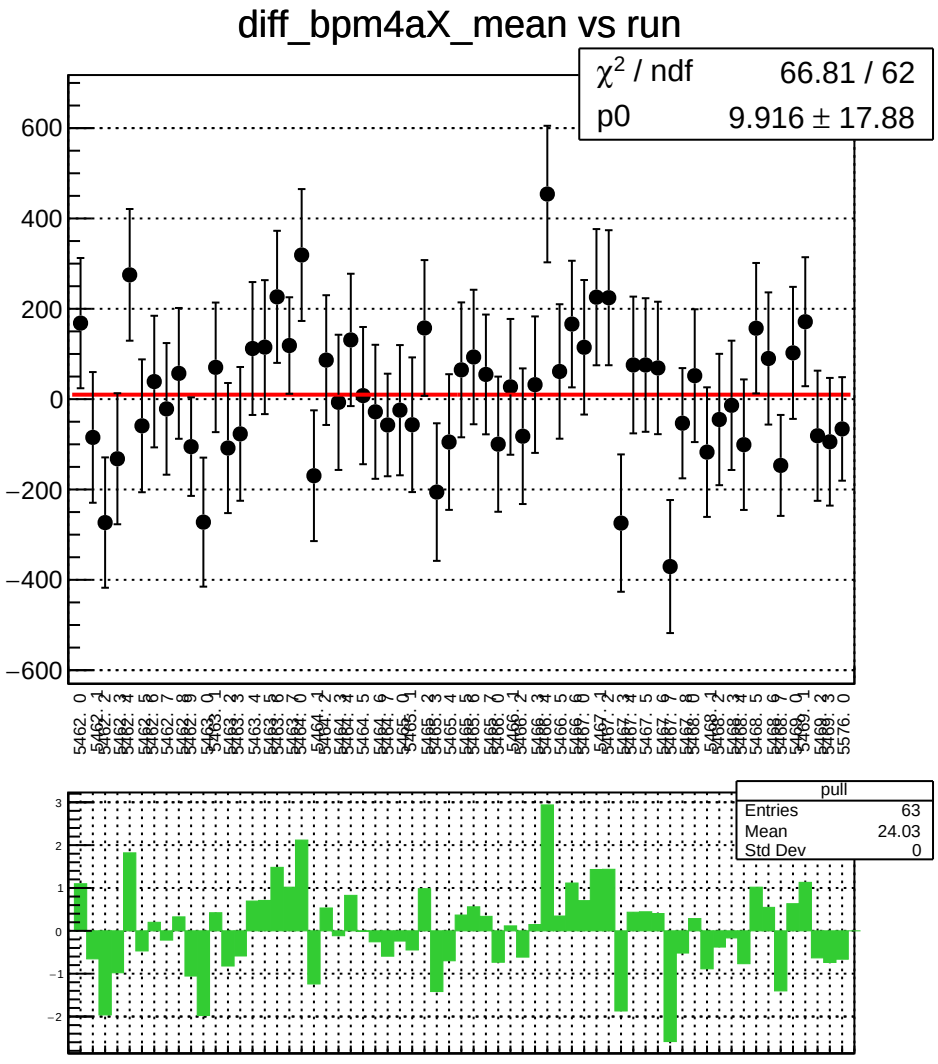

pull1D
Entries 63
Mean 0.7043
Std Dev 4.147

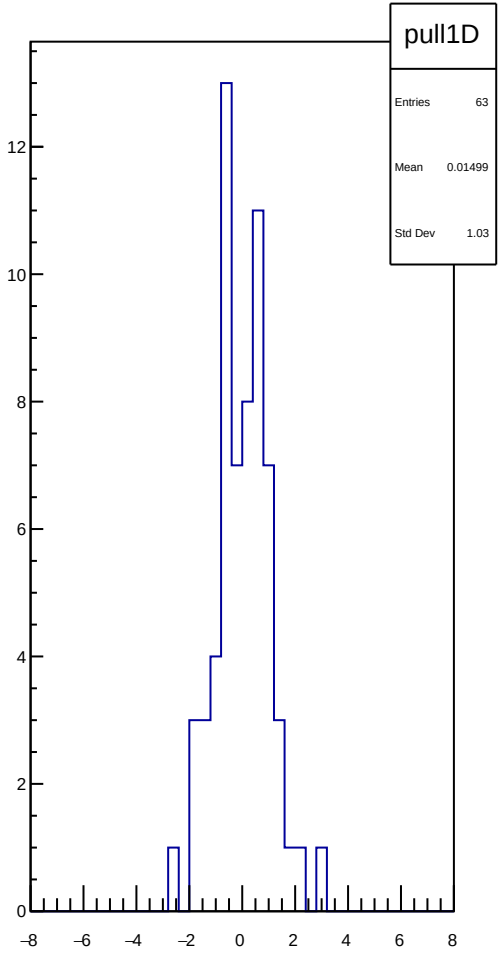

yield_bpm0r05X_rms vs run
χ² / ndf 1444 / 62
p0 0.08881 ± 8.076e–05
0.1
0.095
0.09
0.085
0.08
0.075

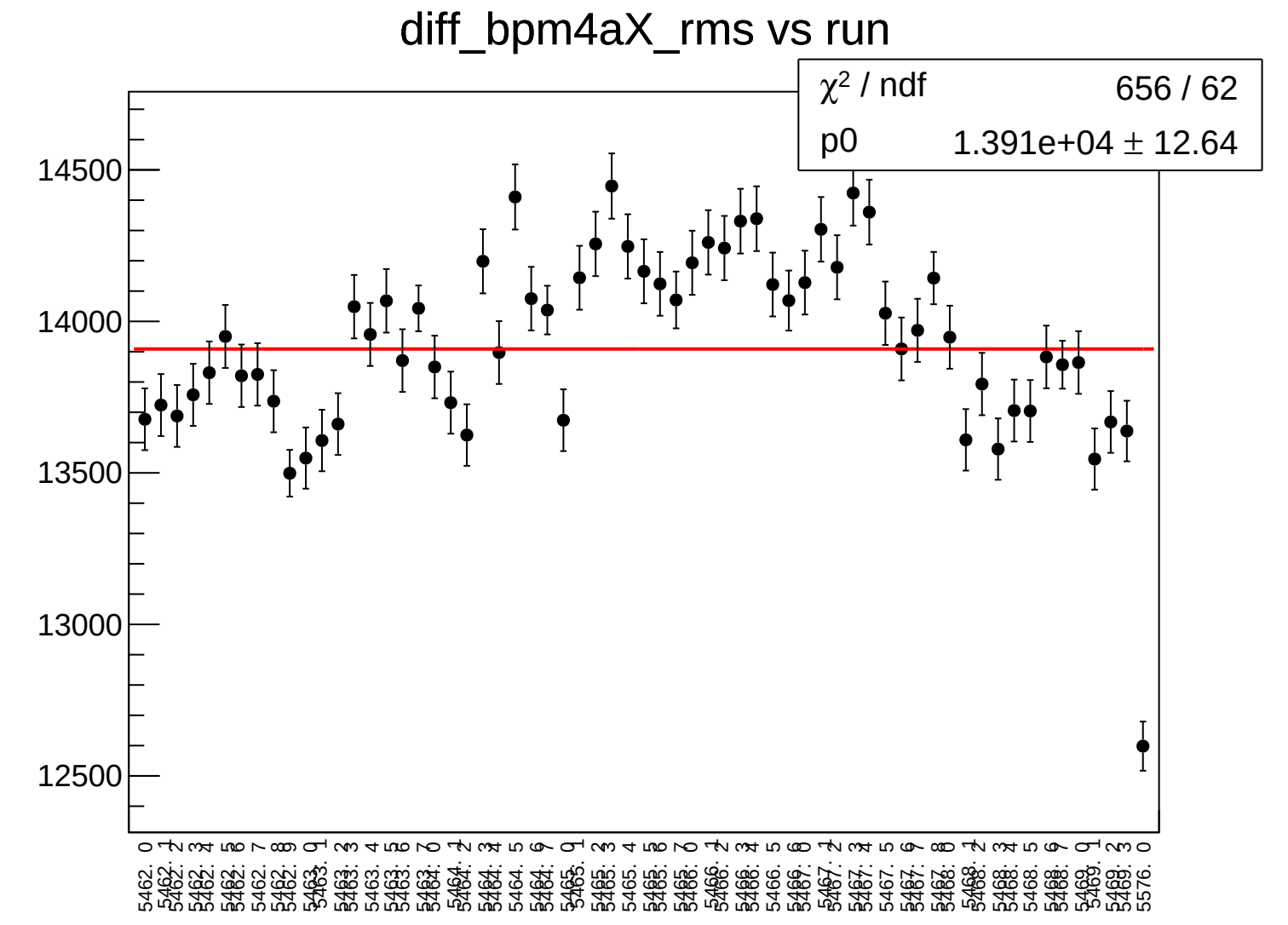

yield_bpm0r05Y_mean vs run
χ² / ndf 5.197e+06 / 62
p0 1.453 ± 1.698e−05
pull
Entries 63
Mean −209.6
Std Dev 0

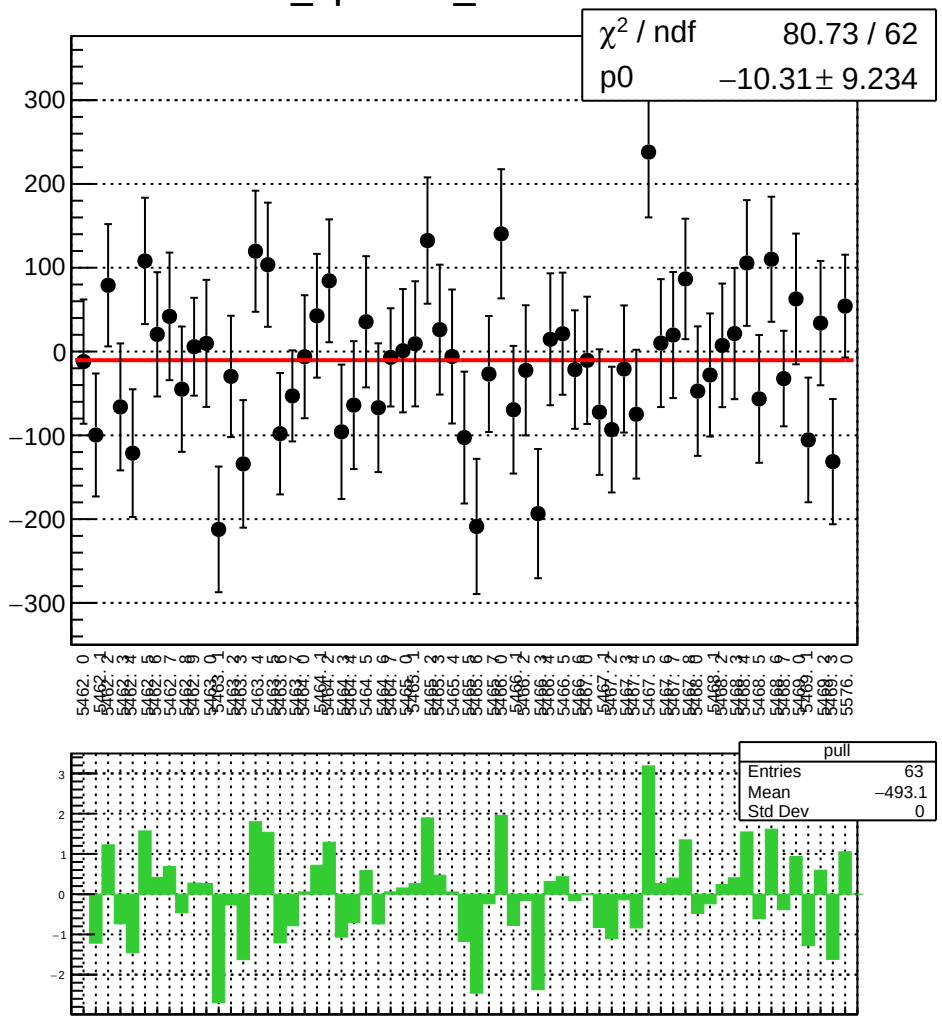

pull1D
Entries 63
Mean 7.872
Std Dev 0

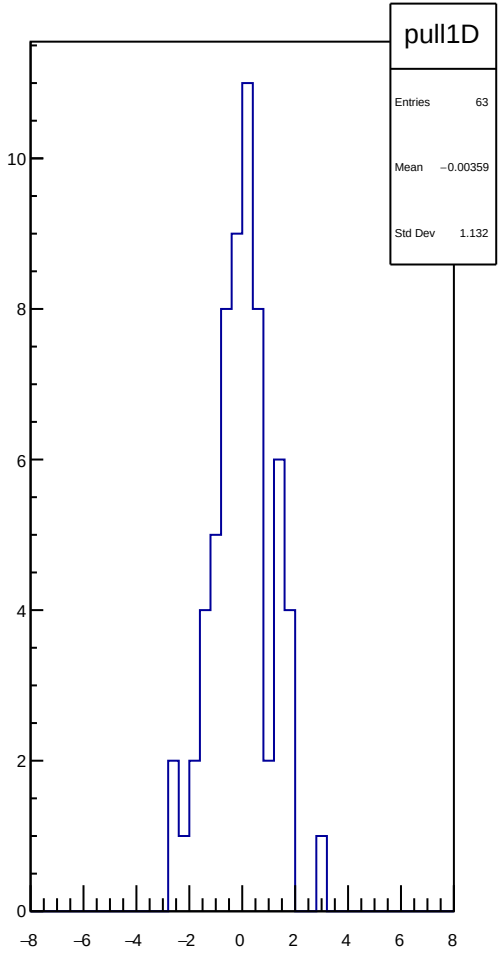

yield_bpm0r05Y_rms vs run
χ² / ndf 3.972e+04 / 62
p0 0.01299 ± 1.201e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

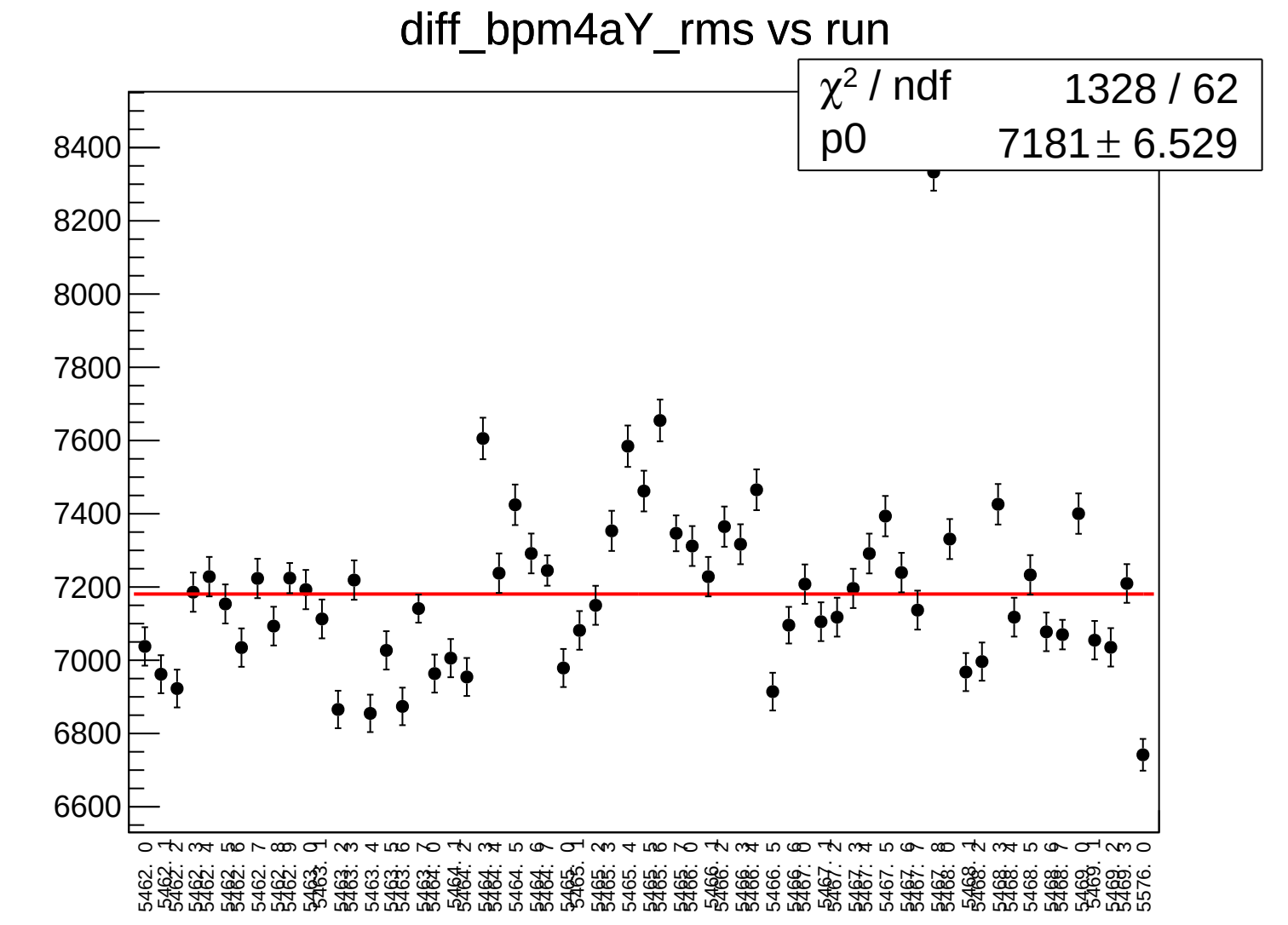

diff_bpm4aX_mean vs run
χ² / ndf 66.81 / 62
p0 9.916 ± 17.88
pull
Entries 63
Mean 24.03
Std Dev 0

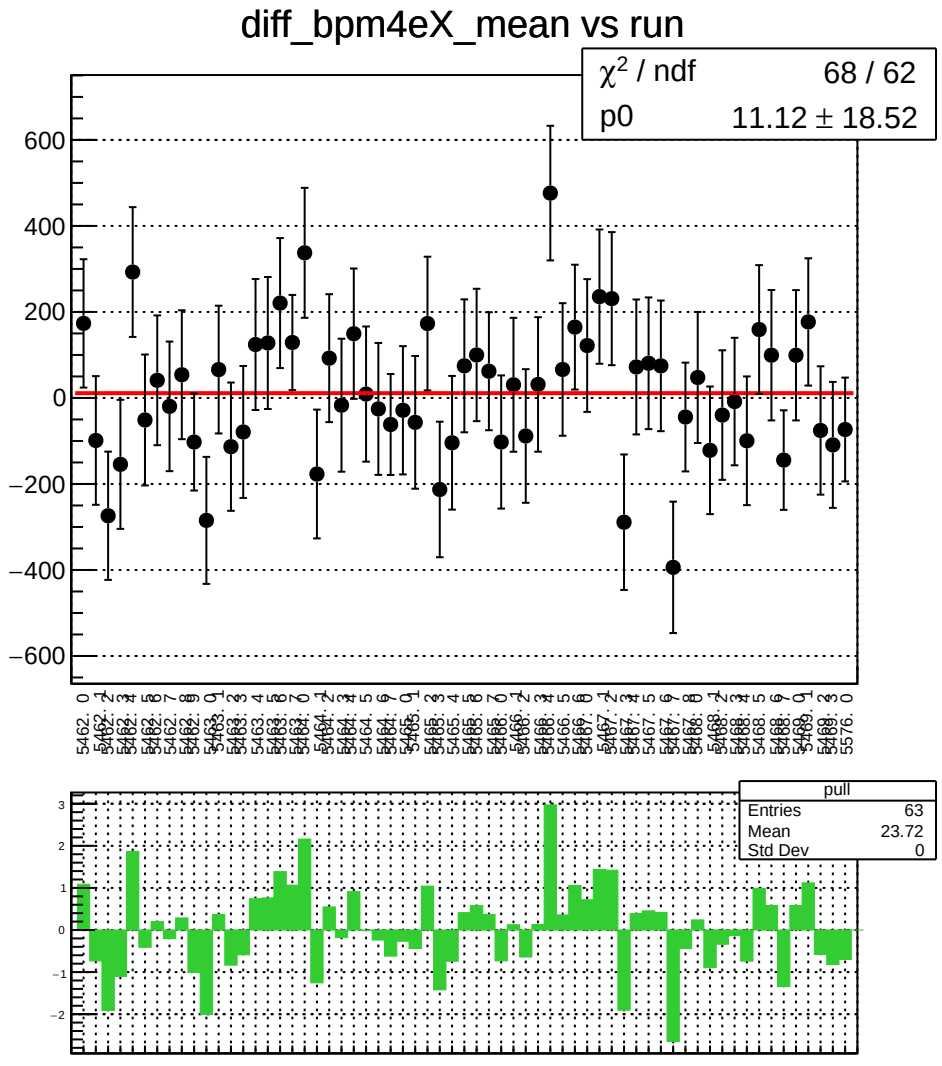

pull1D
Entries 63
Mean 0.01499
Std Dev 1.03

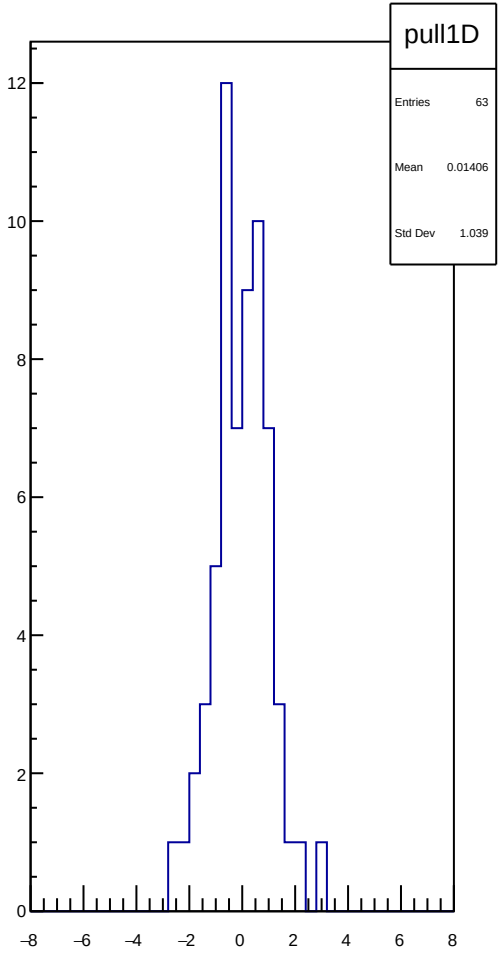

diff_bpm4aX_rms vs run
χ² / ndf 656 / 62
p0 1.391e+04 ± 12.64
14500
14000
13500
13000
12500

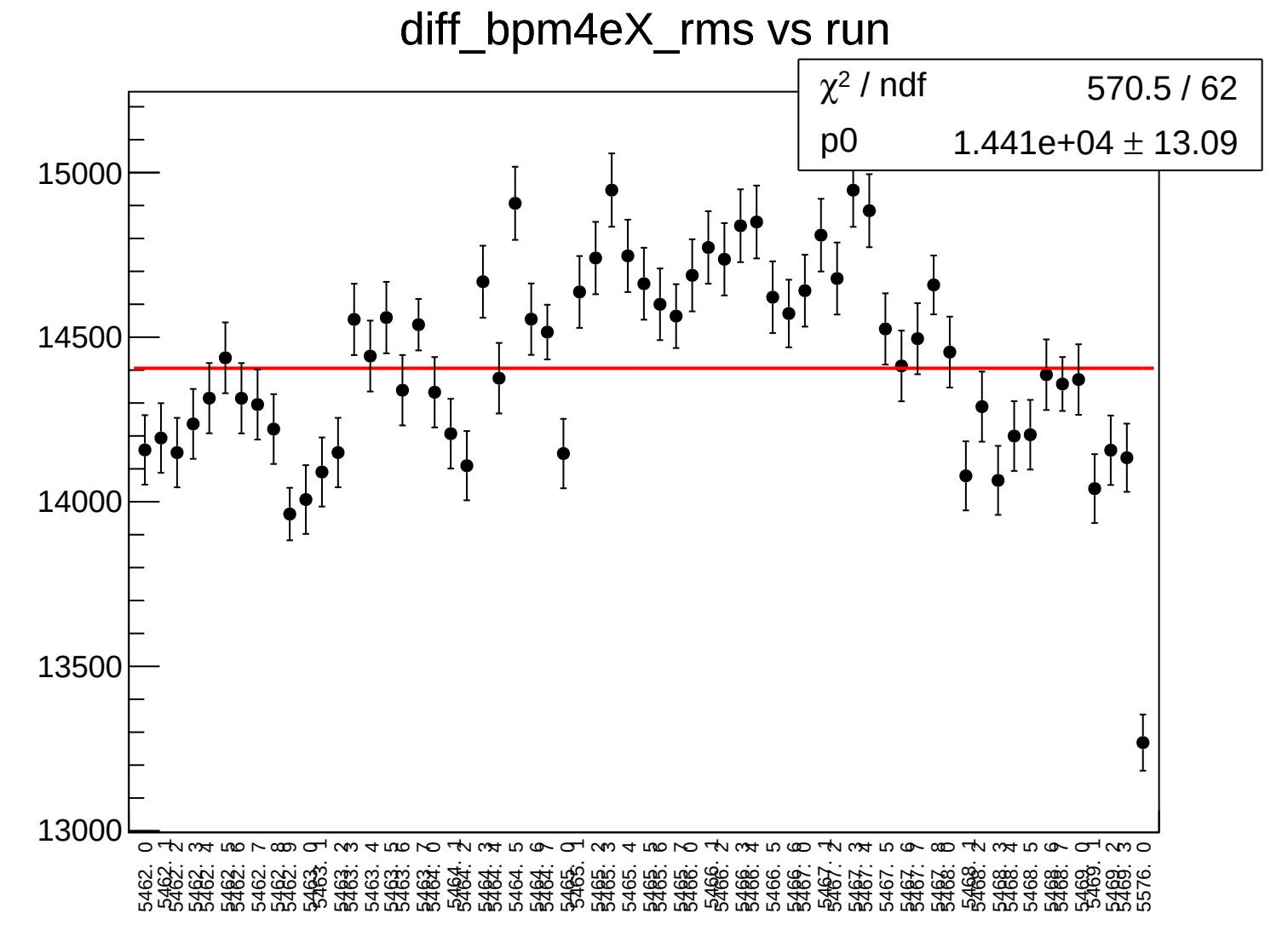

diff_bpm4aY_mean vs run
χ² / ndf 80.73 / 62
p0 −10.31 ± 9.234
pull
Entries 63
Mean −493.1
Std Dev 0

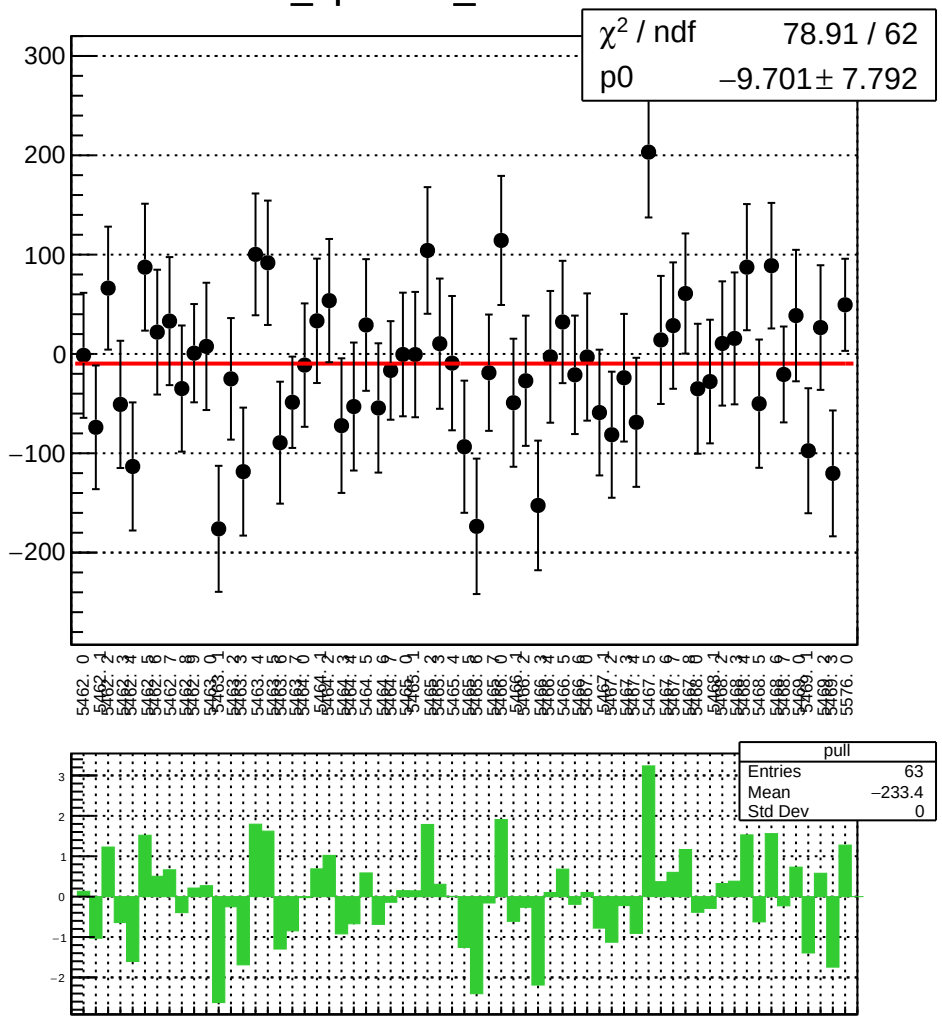

pull1D
Entries 63
Mean −0.00359
Std Dev 1.132

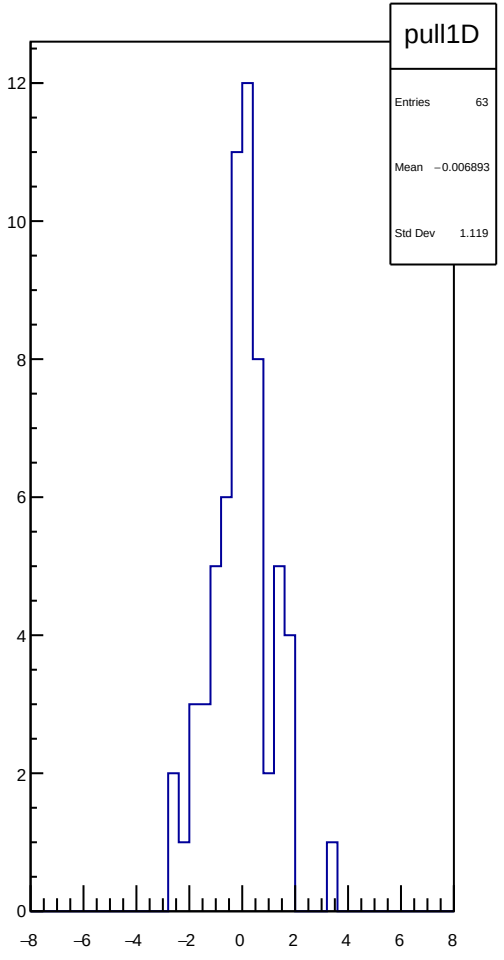

diff_bpm4aY_rms vs run
χ² / ndf 1328 / 62
p0 7181 ± 6.529
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

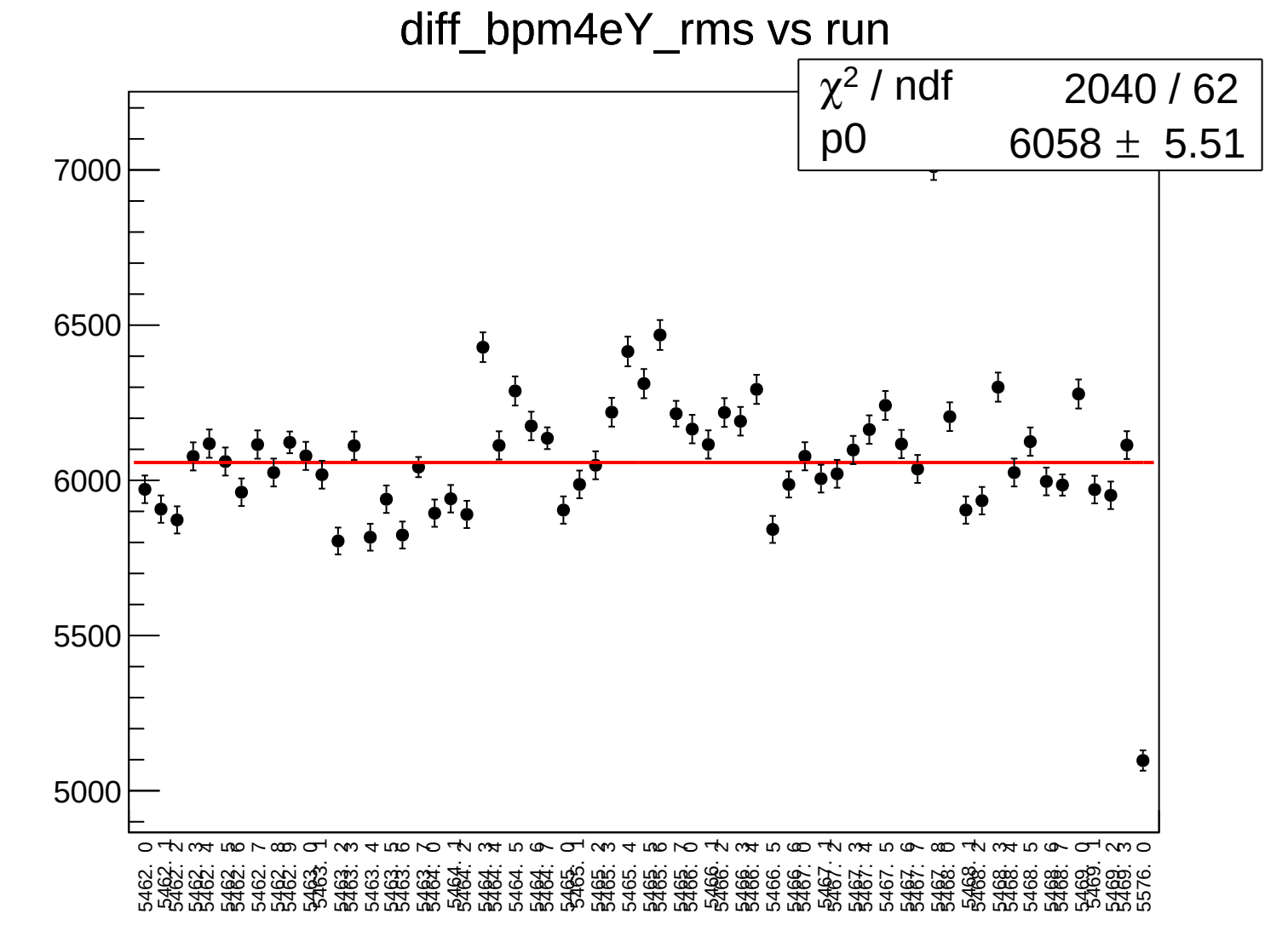

diff_bpm4eX_mean vs run
χ^2 / ndf 68 / 62
p0 11.12 ± 18.52
pull
Entries 63
Mean 23.72
Std Dev 0


pull1D
Entries 63
Mean 0.01406
Std Dev 1.039


diff_bpm4eX_rms vs run
χ² / ndf 570.5 / 62
p0 1.441e+04 ± 13.09
15000
14500
14000
13500
13000


diff_bpm4eY_mean vs run
χ² / ndf 78.91 / 62
p0 −9.701 ± 7.792
pull
Entries 63
Mean −233.4
Std Dev 0


pull1D
Entries 63
Mean −0.006893
Std Dev 1.119


diff_bpm4eY_rms vs run
χ² / ndf 2040 / 62
p0 6058 ± 5.51
7000
6500
6000
5500
5000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
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5465. 5
5465. 6
5465. 7
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5467. 5
5467. 6
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5467. 8
5468. 0
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5468. 2
5468. 3
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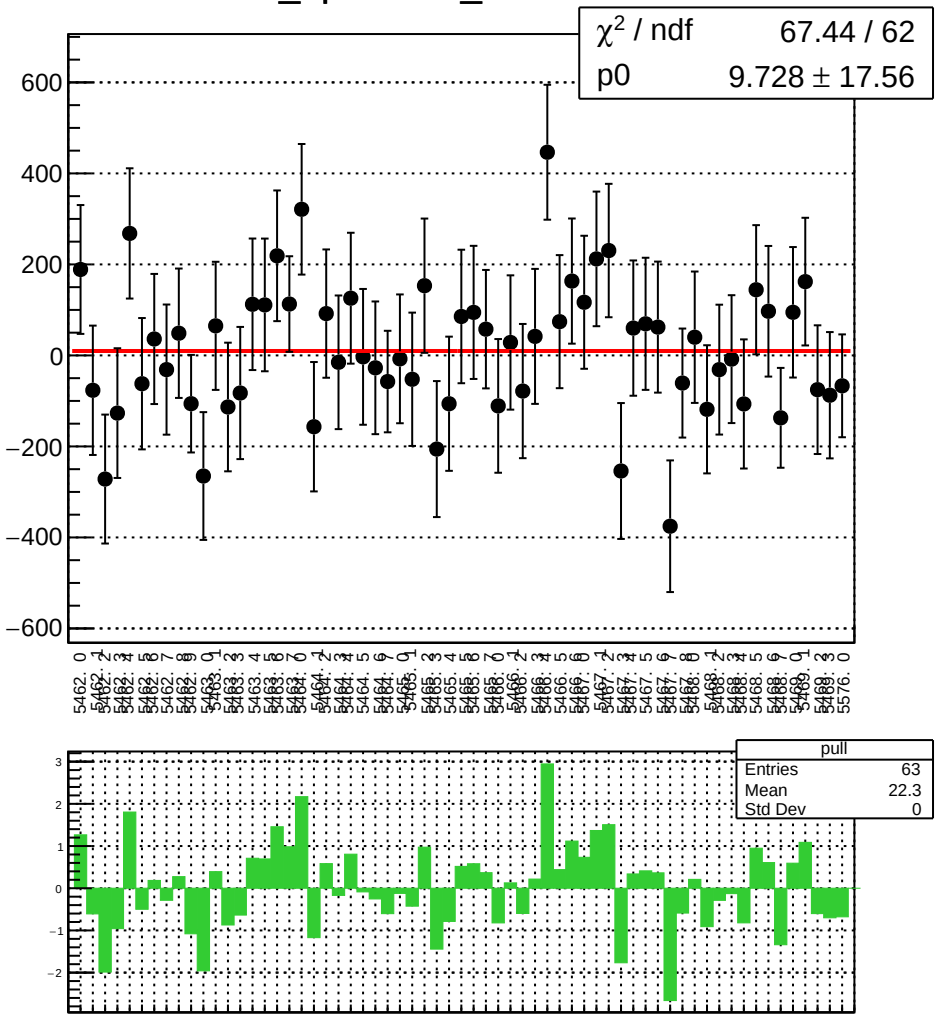
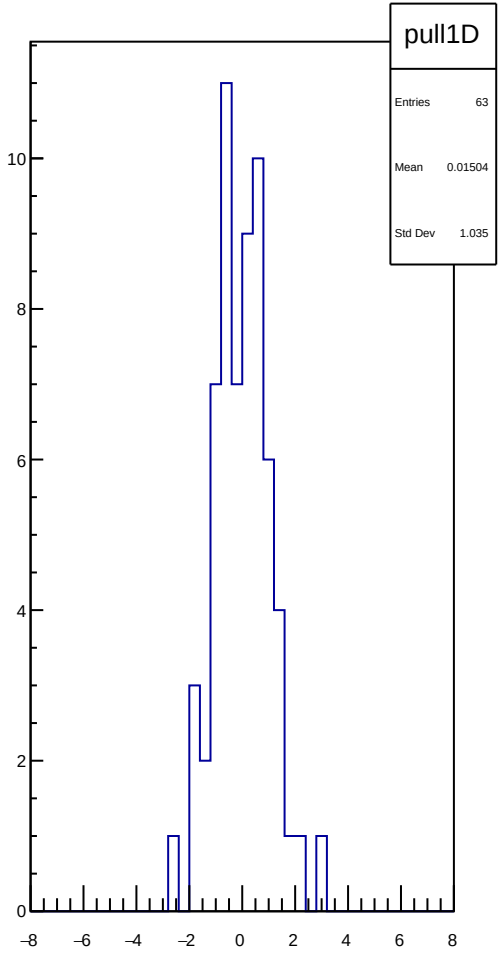
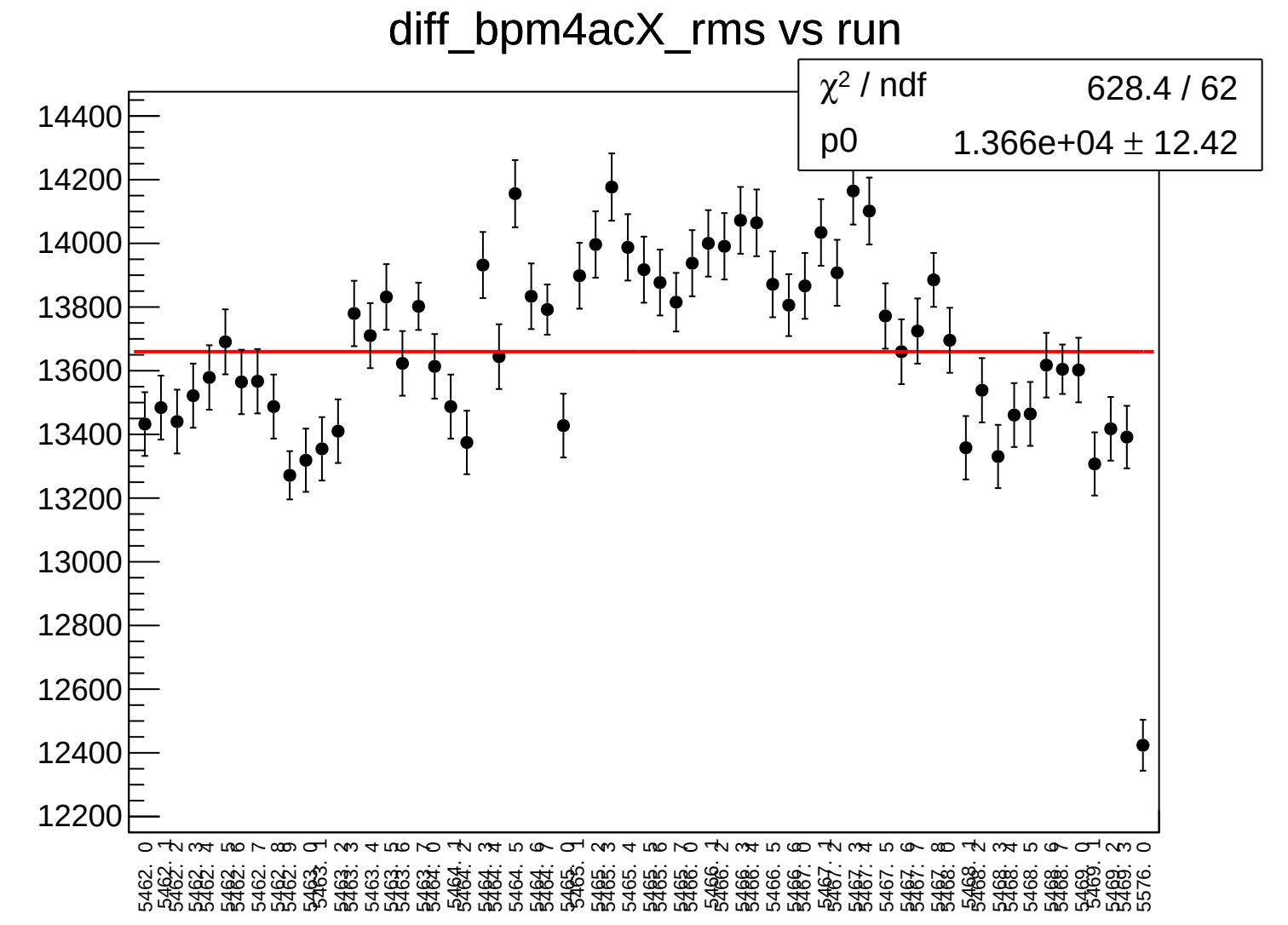
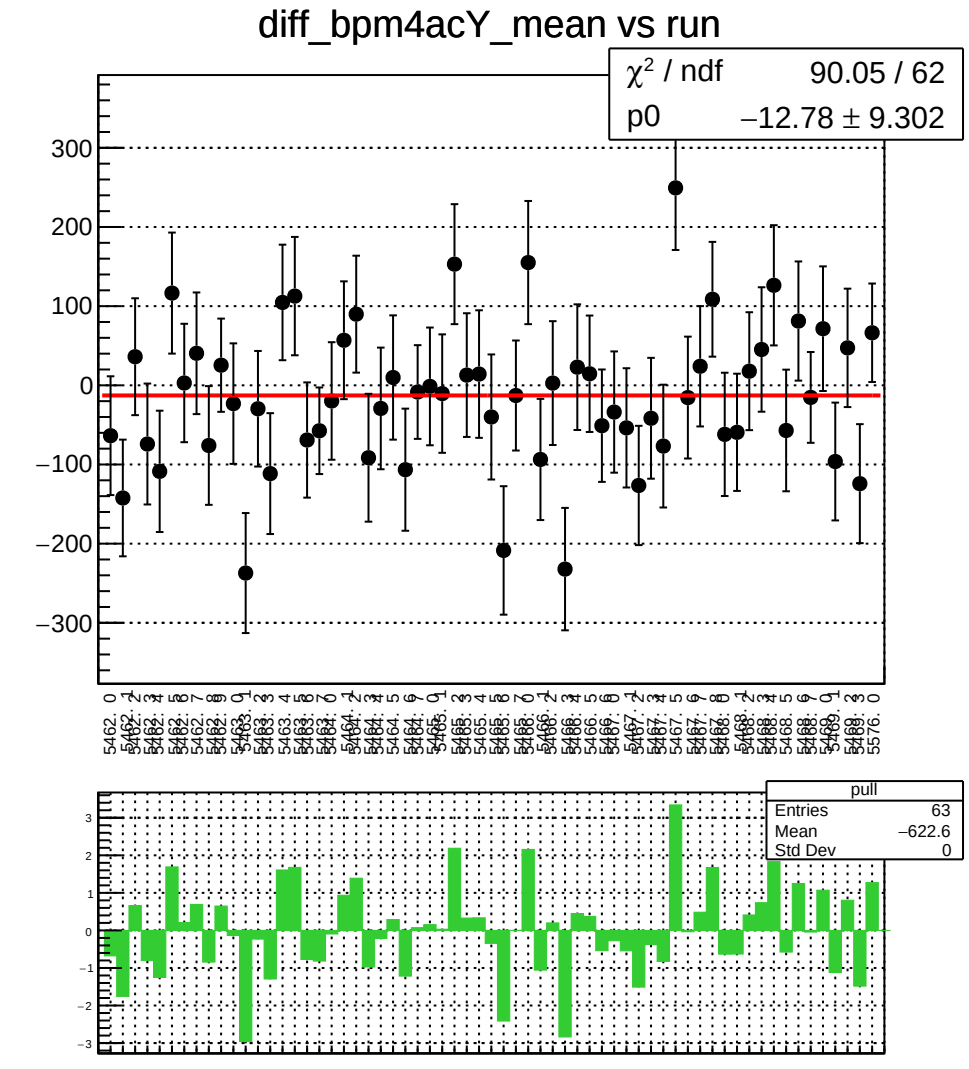
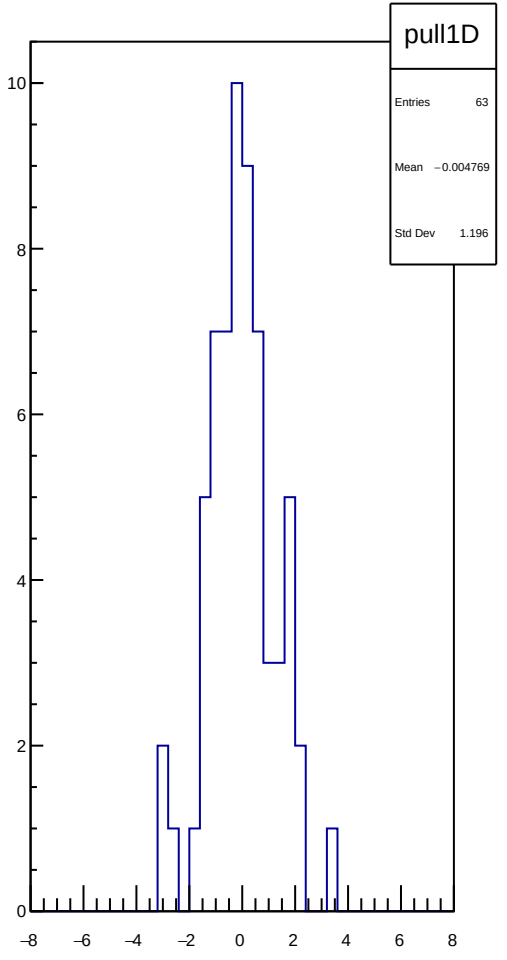
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

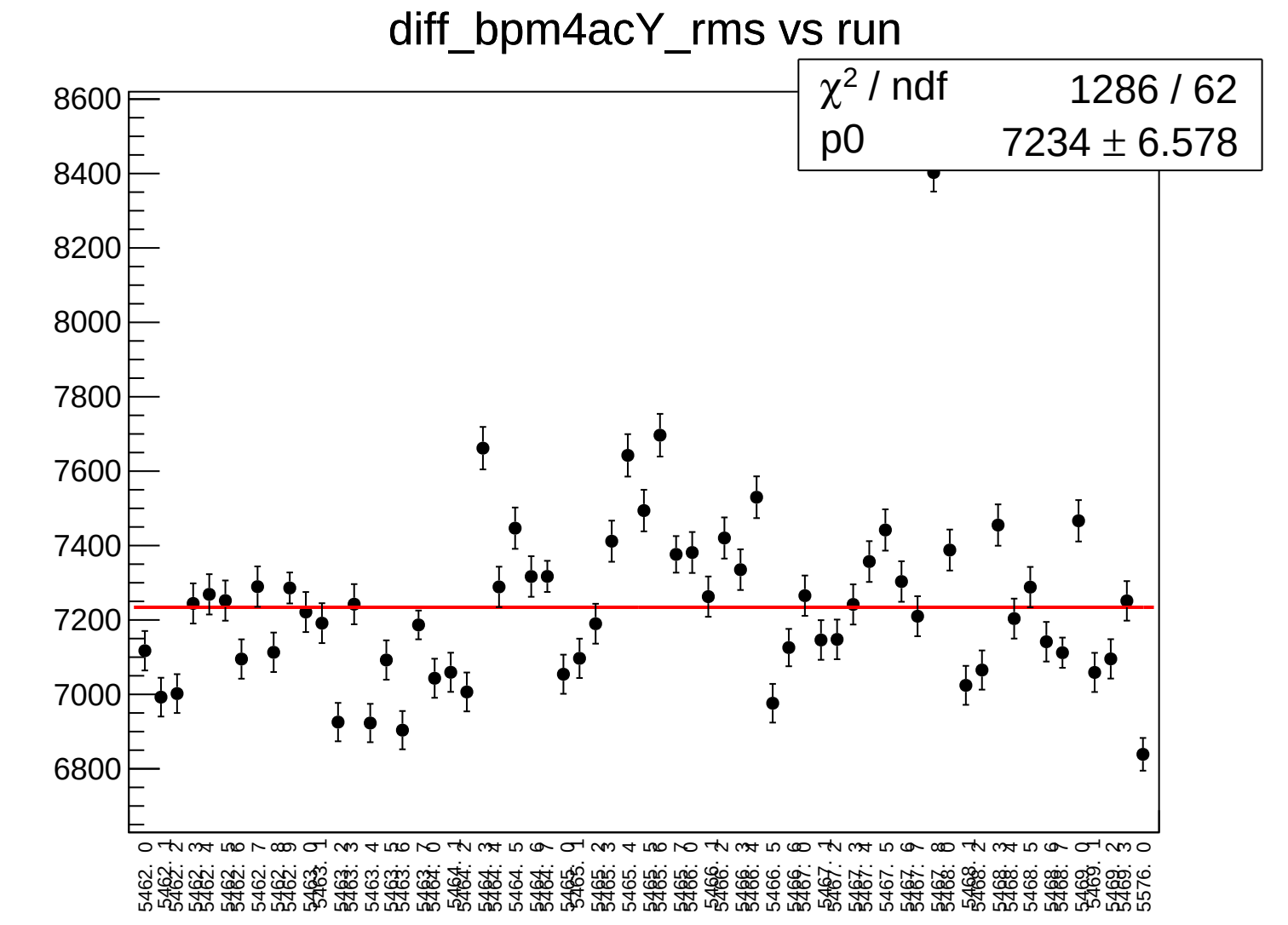

diff_bpm4acX_mean vs run
χ^2 / ndf 67.44 / 62
p0 9.728 ± 17.56
pull
Entries 63
Mean 22.3
Std Dev 0

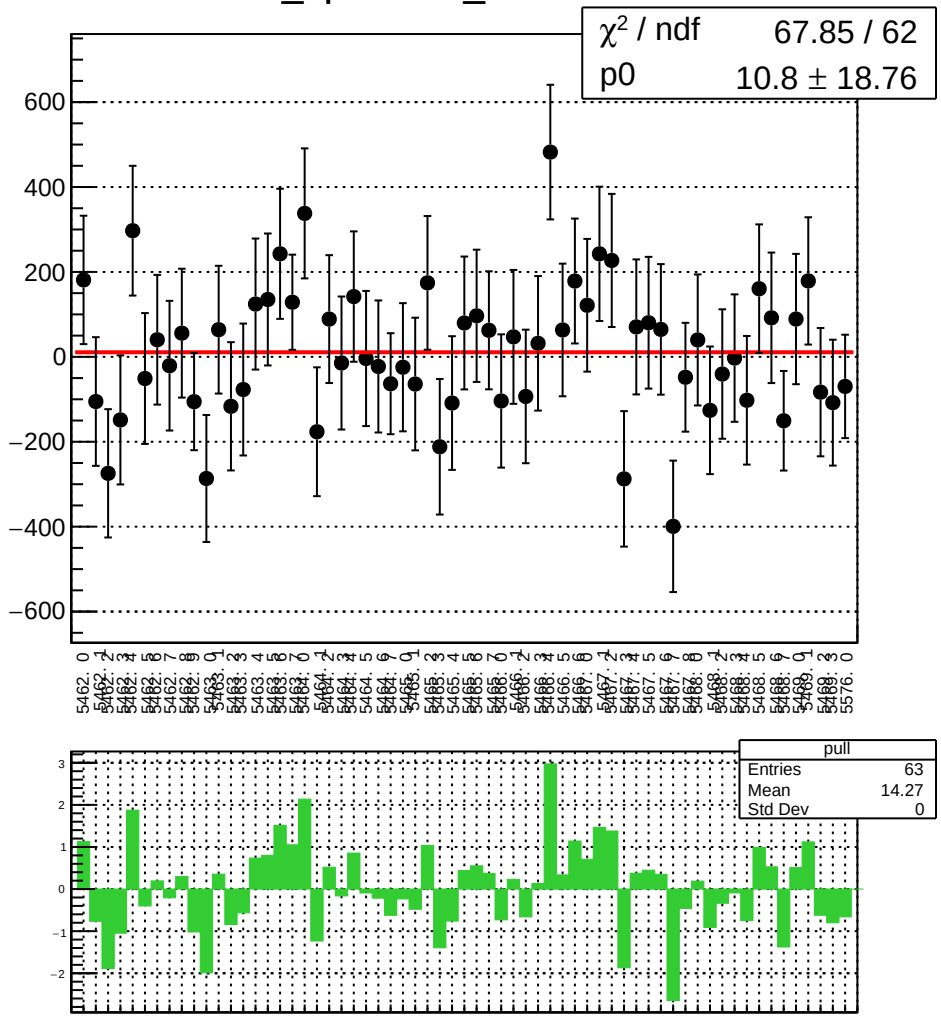

pull1D
Entries 63
Mean 0.01504
Std Dev 1.035

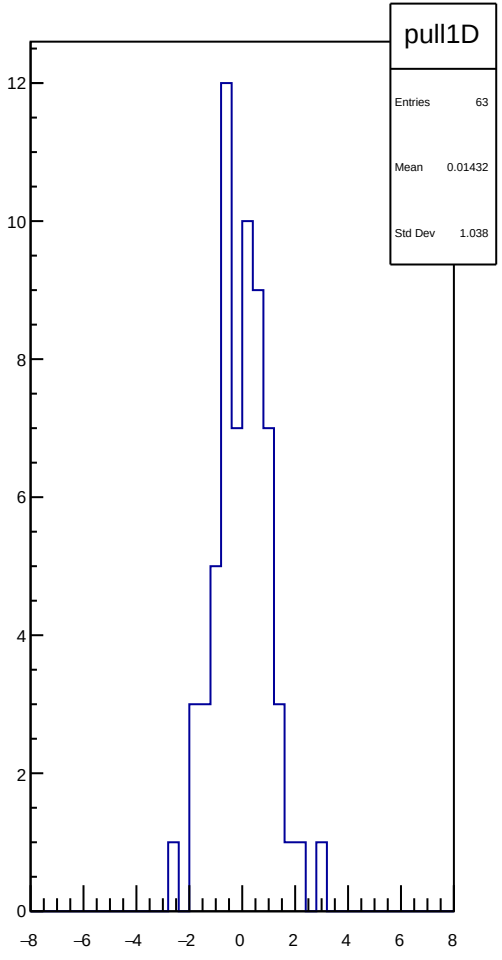

diff_bpm4acX_rms vs run
χ² / ndf 628.4 / 62
p0 1.366e+04 ± 12.42
14400
14200
14000
13800
13600
13400
13200
13000
12800
12600
12400
12200

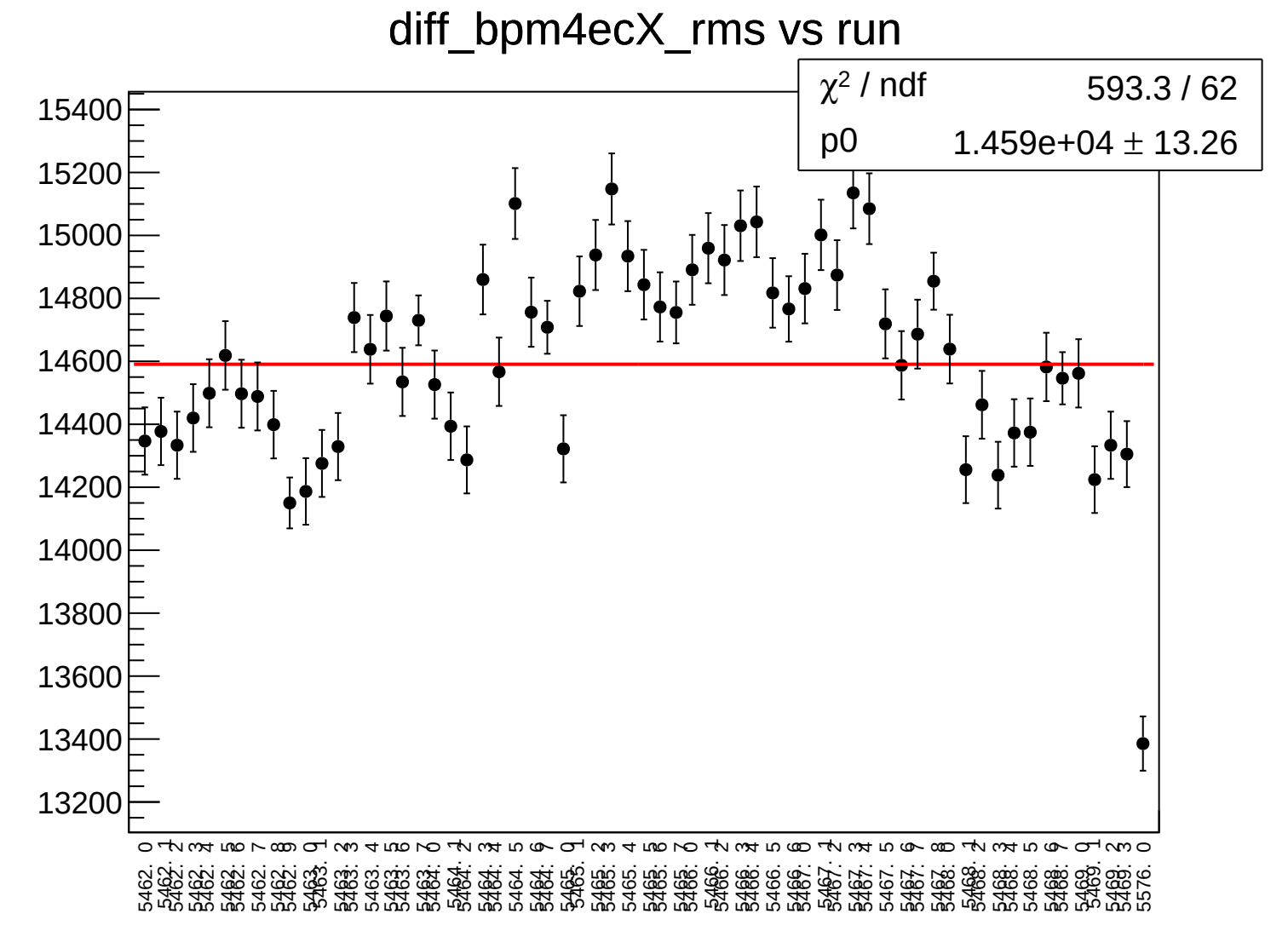

diff_bpm4acY_mean vs run
χ² / ndf 90.05 / 62
p0 −12.78 ± 9.302
pull
Entries 63
Mean −622.6
Std Dev 0


pull1D
Entries 63
Mean −0.004769
Std Dev 1.196


diff_bpm4acY_rms vs run
χ² / ndf 1286 / 62
p0 7234 ± 6.578
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800


diff_bpm4ecX_mean vs run
χ^2 / ndf 67.85 / 62
p0 10.8 ± 18.76
pull
Entries 63
Mean 14.27
Std Dev 0


pull1D
Entries 63
Mean 0.01432
Std Dev 1.038


diff_bpm4ecX_rms vs run
χ² / ndf 593.3 / 62
p0 1.459e+04 ± 13.26
15400
15200
15000
14800
14600
14400
14200
14000
13800
13600
13400
13200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
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5464. 2
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5464. 4
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5464. 6
5464. 7
5464. 9
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5465. 2
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5467. 7
5467. 8
5468. 0
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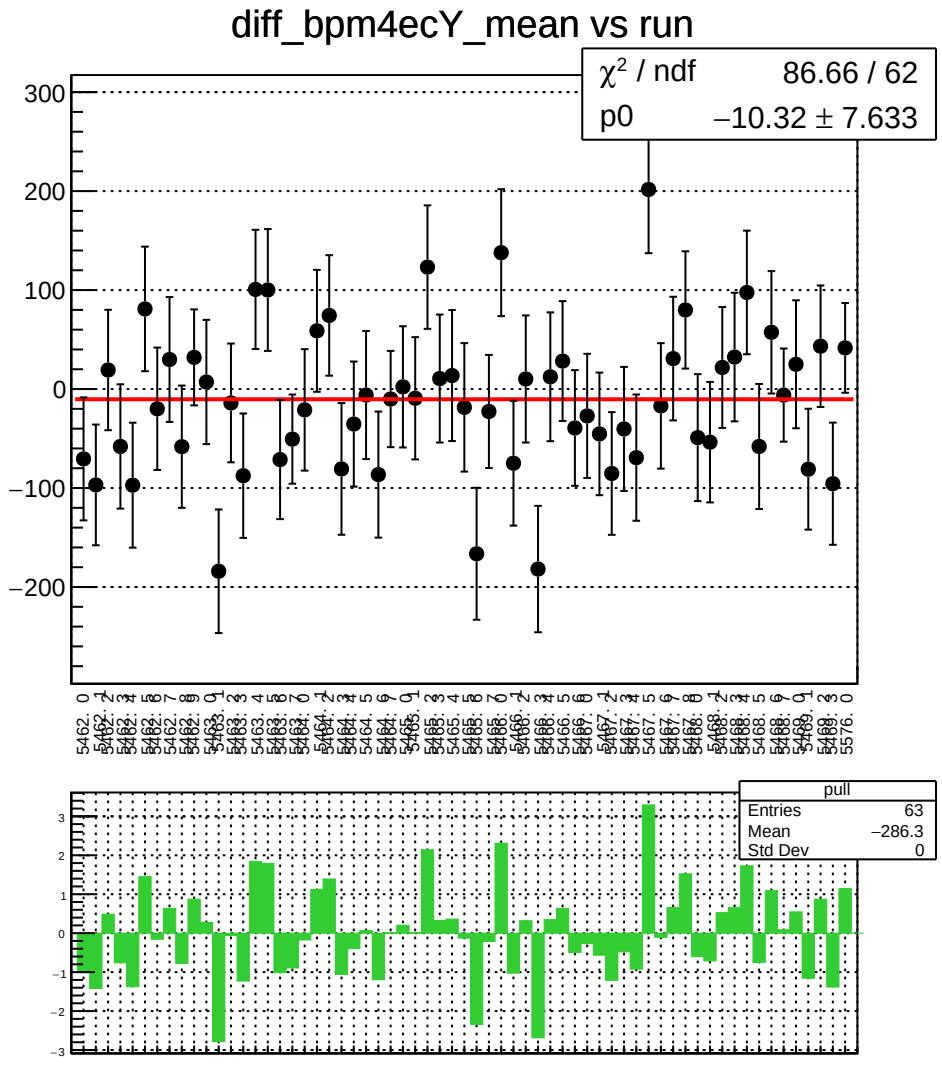
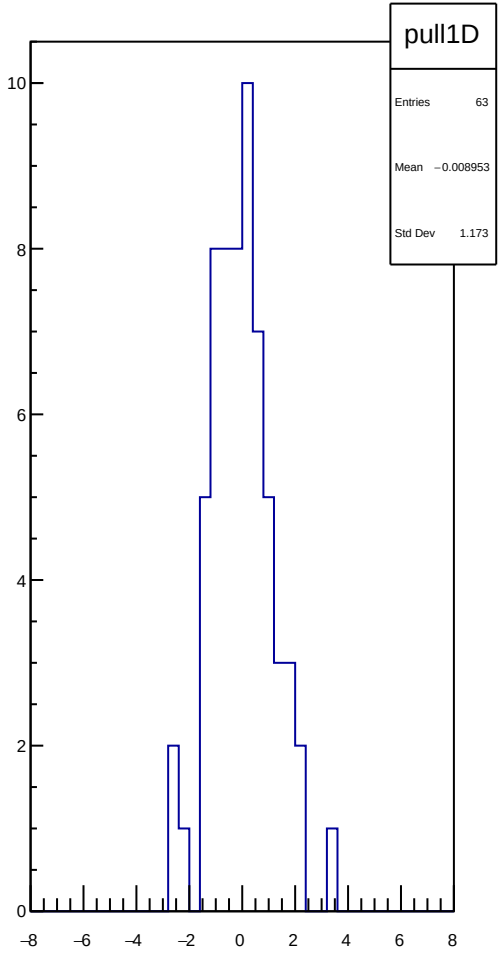
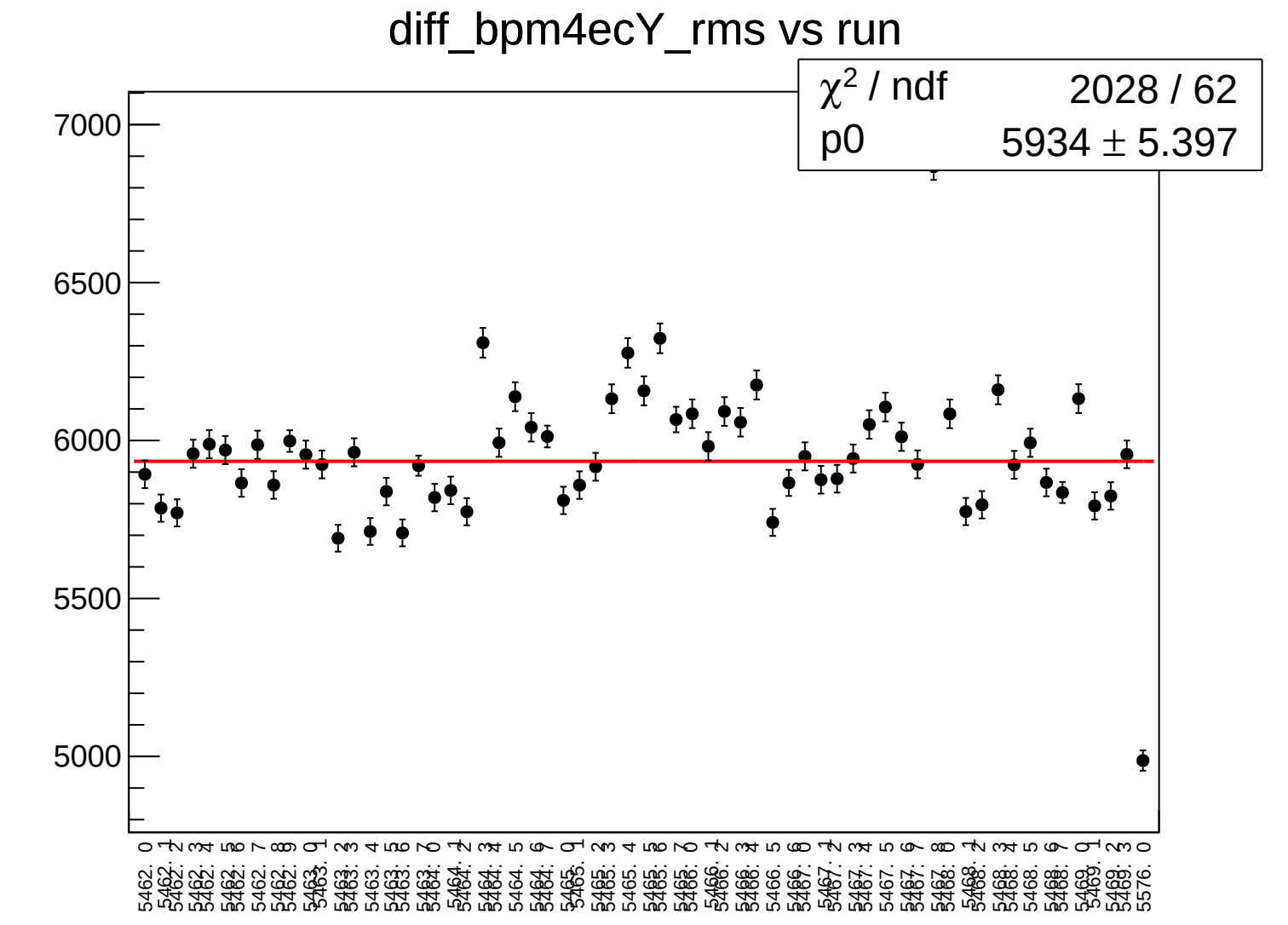
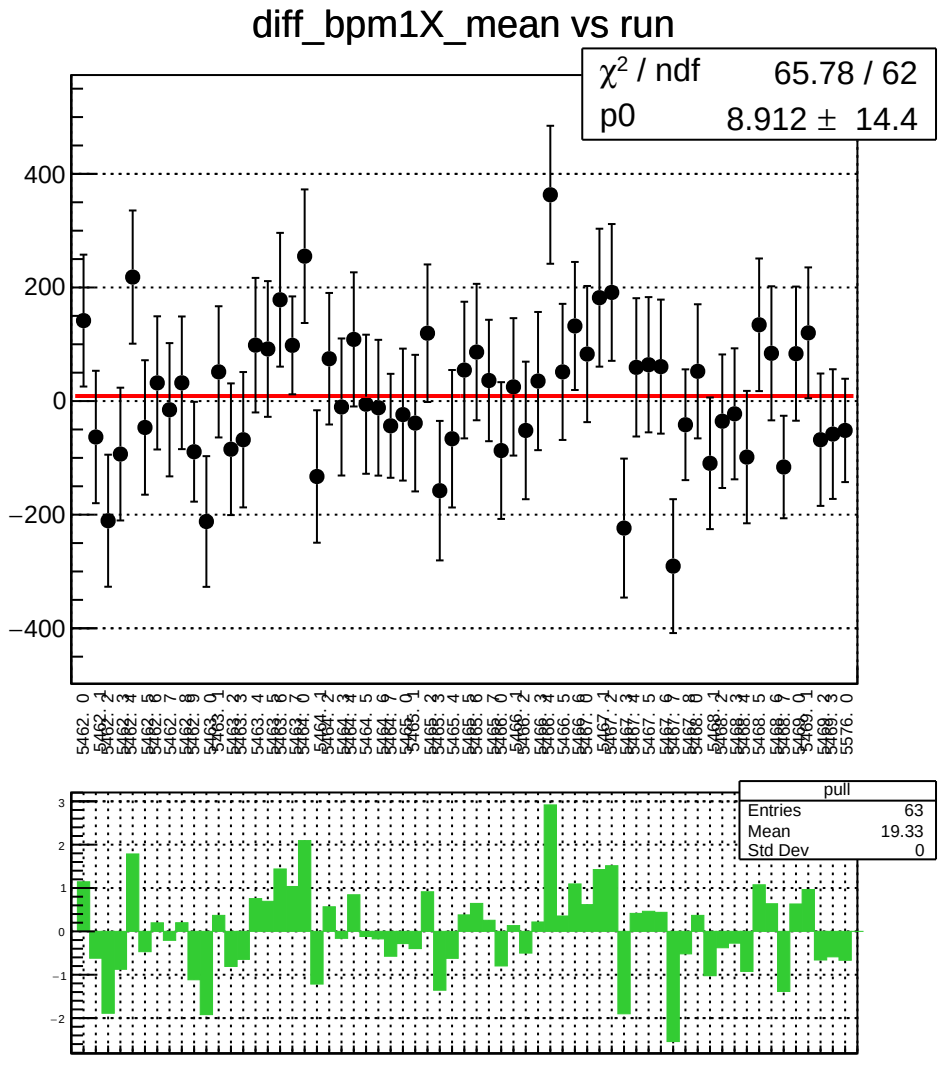
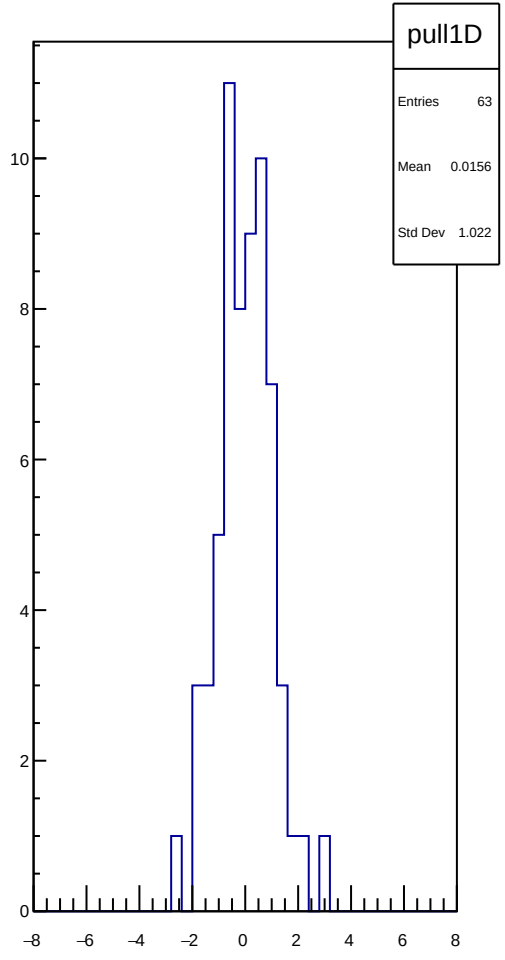
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

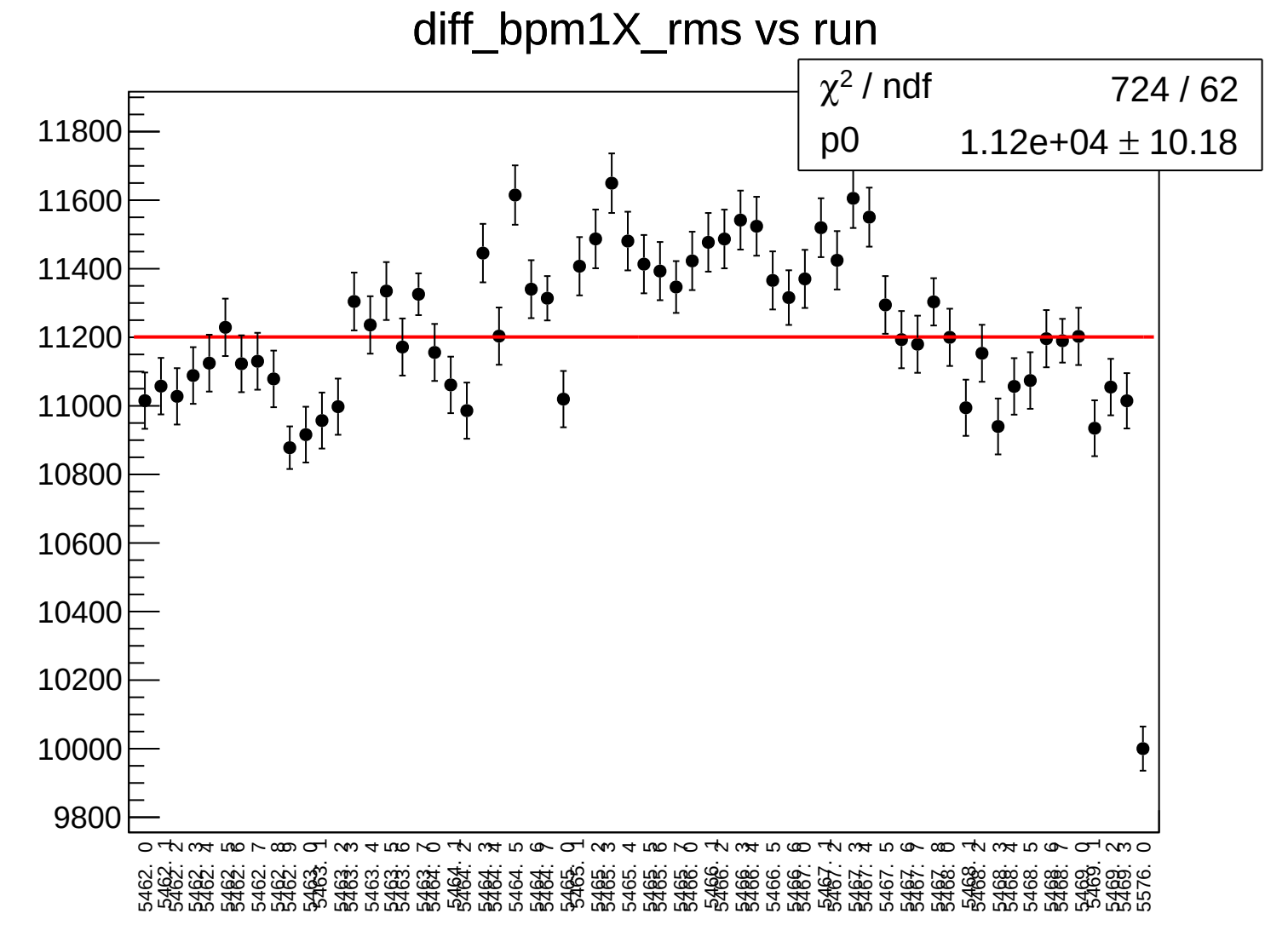

diff_bpm4ecY_mean vs run
χ² / ndf 86.66 / 62
p0 −10.32 ± 7.633
pull
Entries 63
Mean −286.3
Std Dev 0

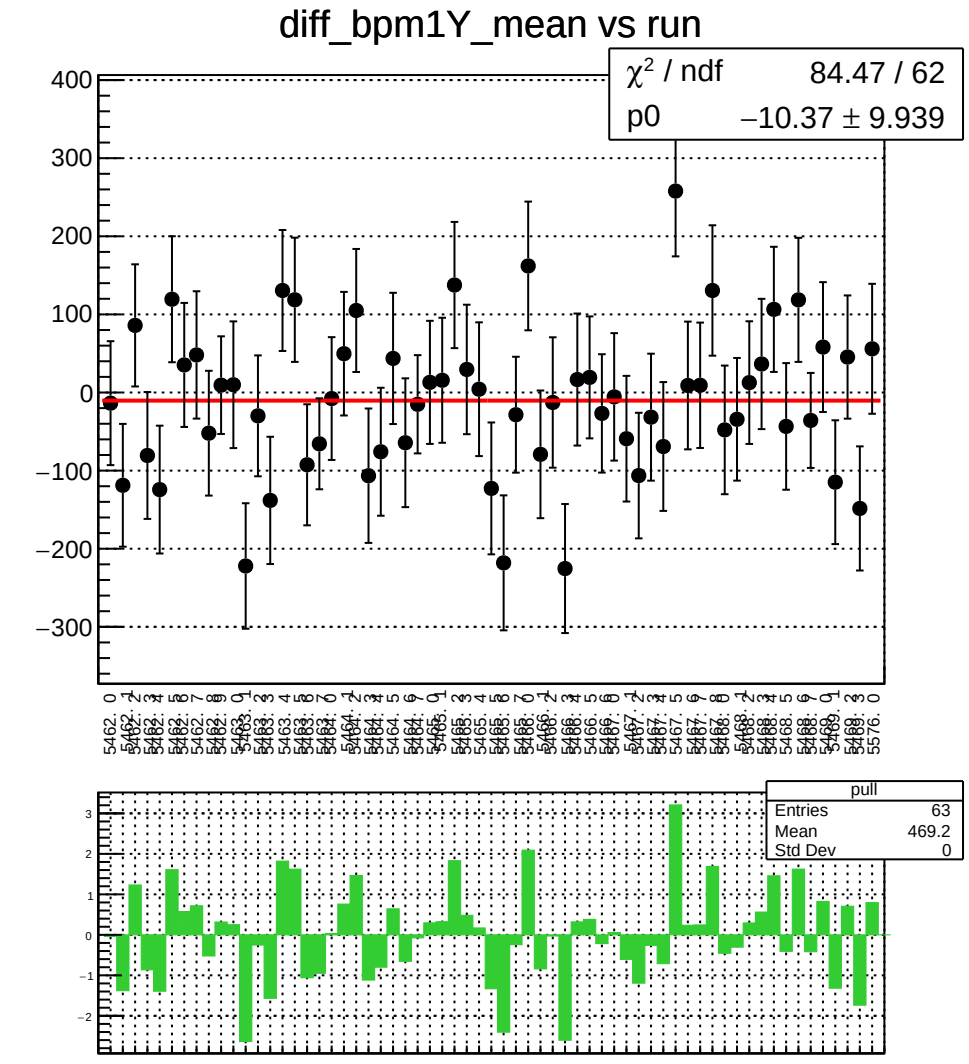

pull1D
Entries 63
Mean −0.008953
Std Dev 1.173

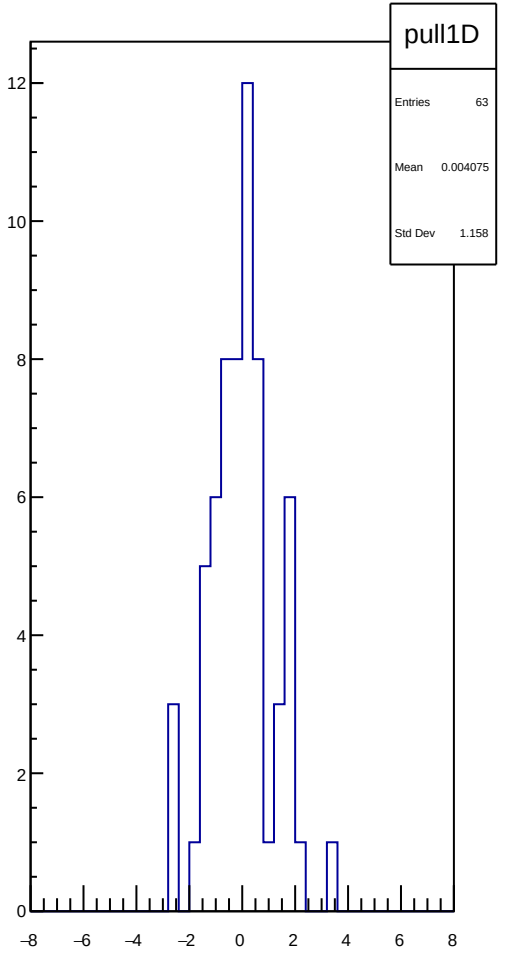

diff_bpm4ecY_rms vs run
χ² / ndf 2028 / 62
p0 5934 ± 5.397
7000
6500
6000
5500
5000

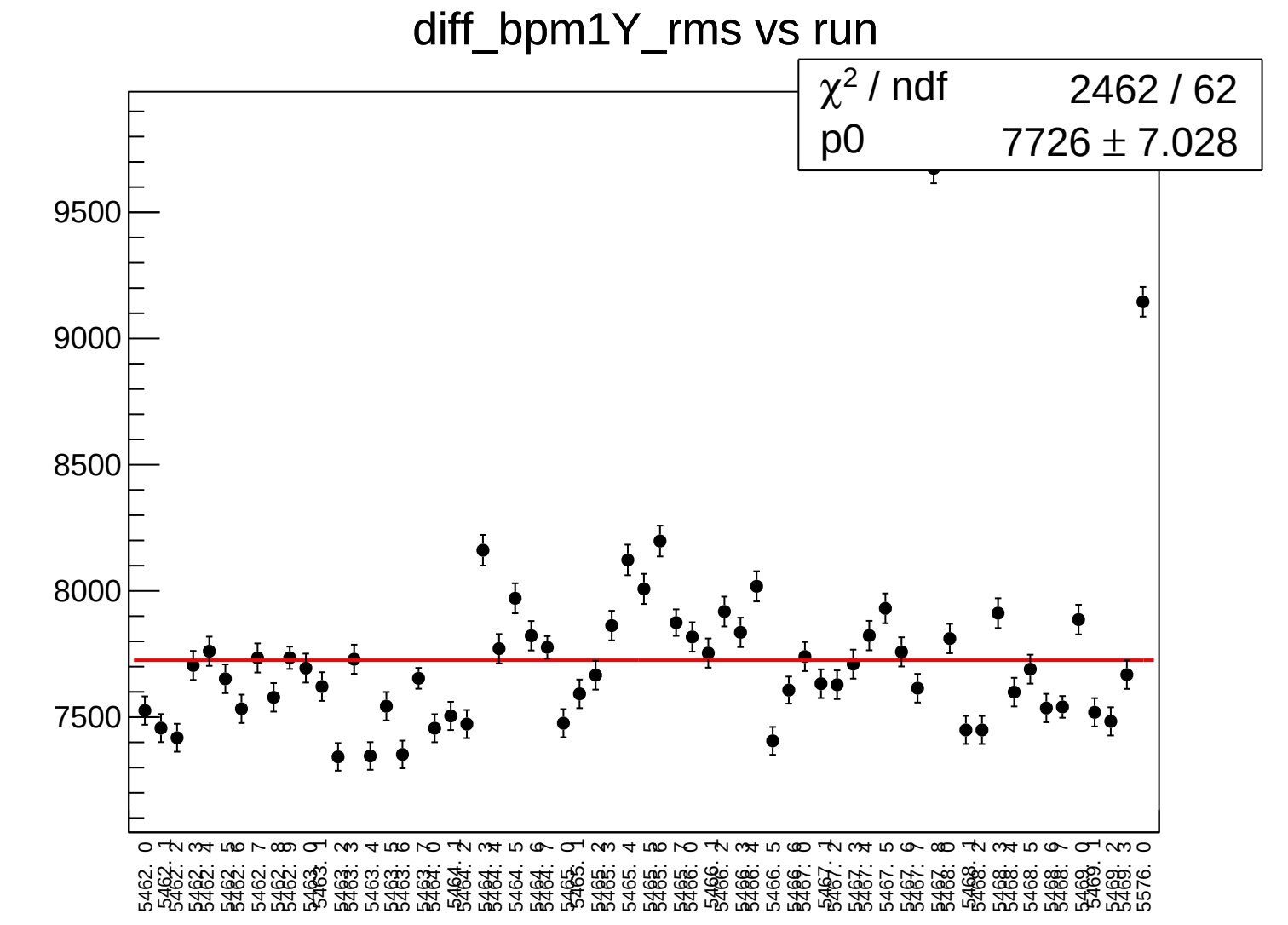

diff_bpm1X_mean vs run
χ² / ndf 65.78 / 62
p0 8.912 ± 14.4
400
200
0
−200
−400
pull
Entries 63
Mean 19.33
Std Dev 0
3
2
1
0
−1
−2

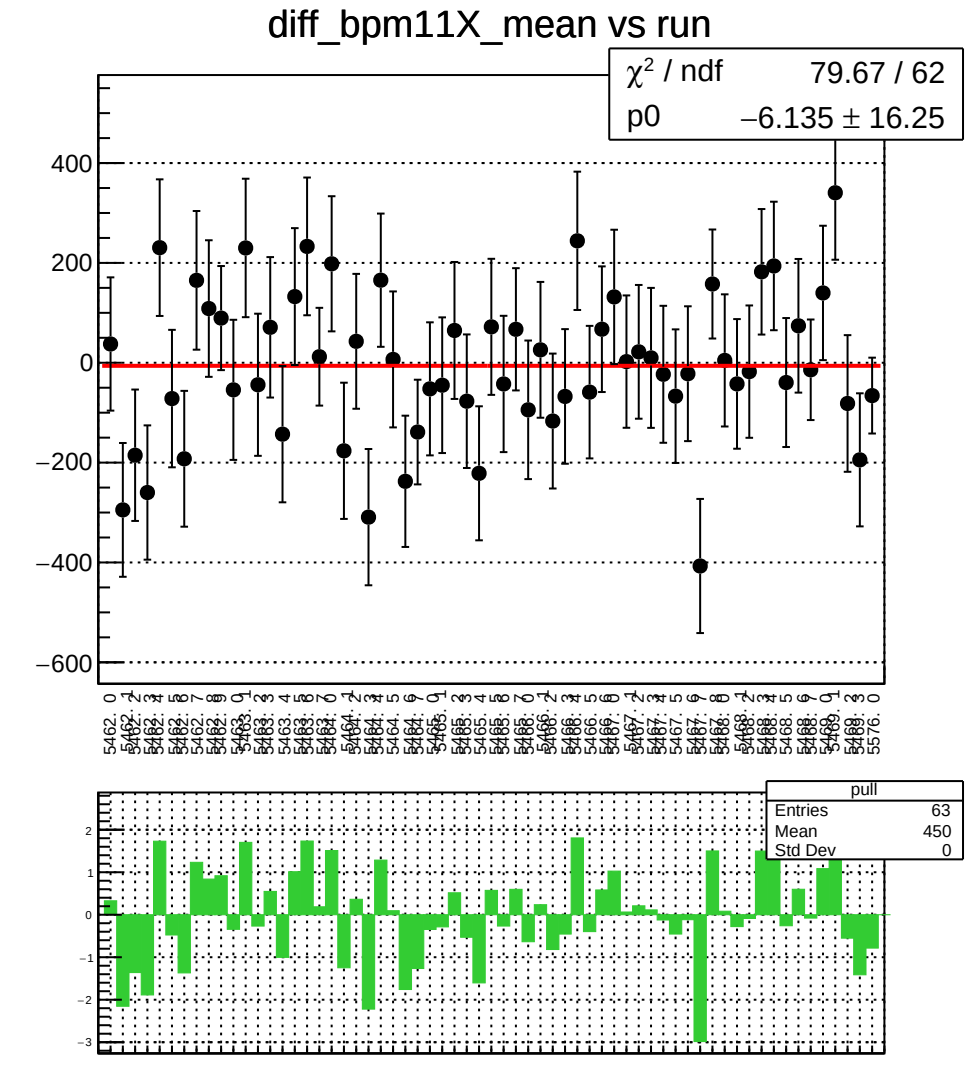

pull1D
Entries 63
Mean 0.0156
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

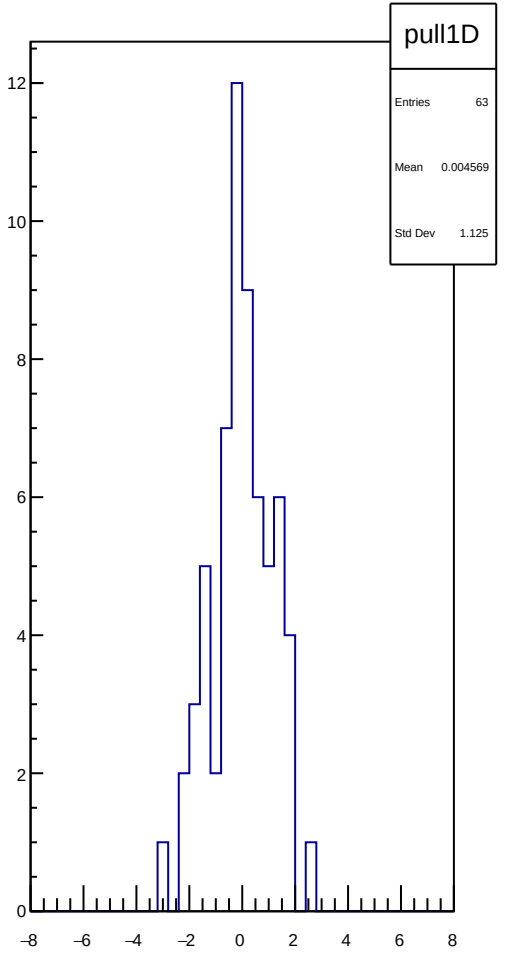

diff_bpm1X_rms vs run
χ² / ndf 724 / 62
p0 1.12e+04 ± 10.18
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800

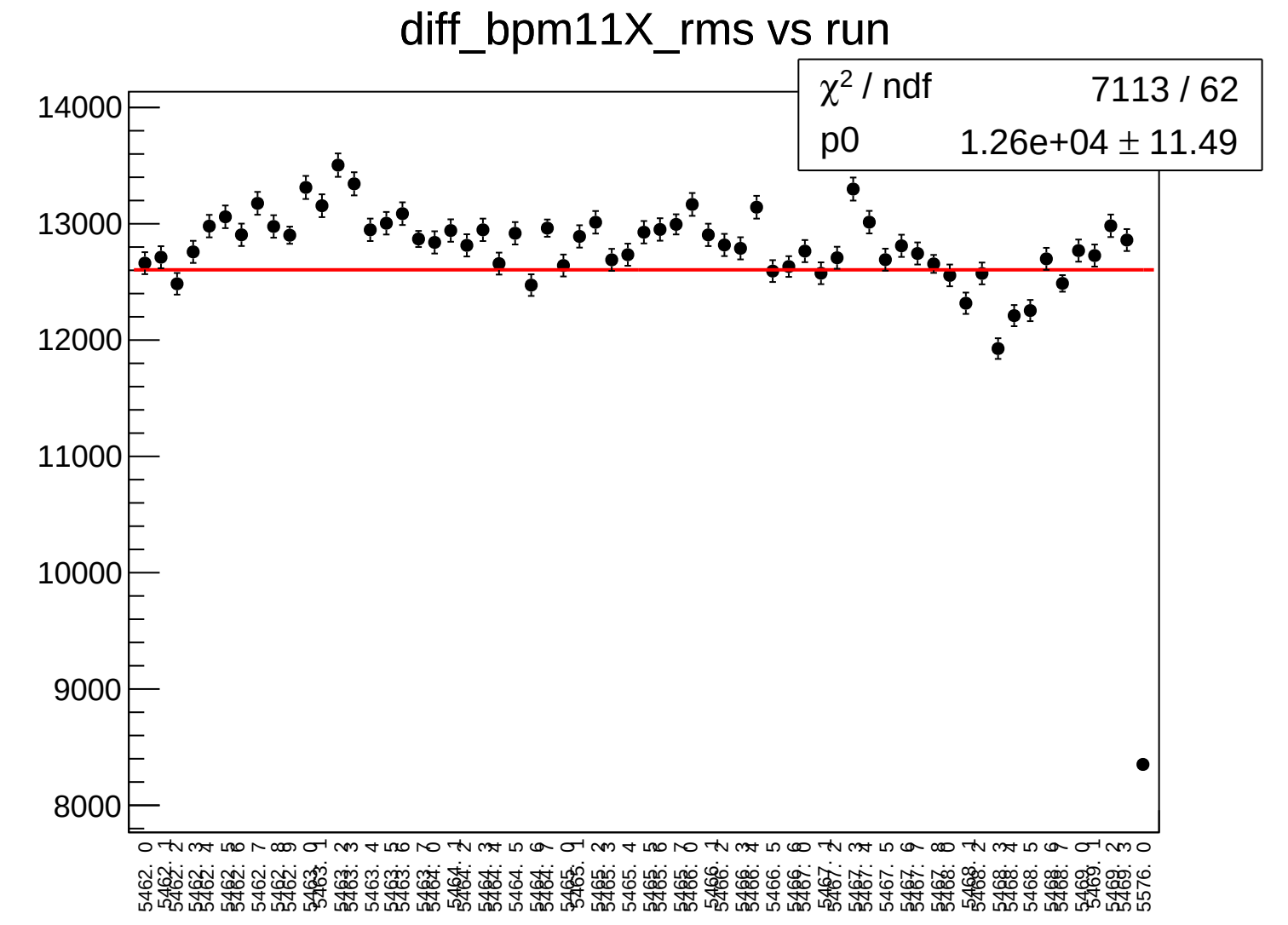

diff_bpm1Y_mean vs run
χ² / ndf 84.47 / 62
p0 −10.37 ± 9.939
pull
Entries 63
Mean 469.2
Std Dev 0

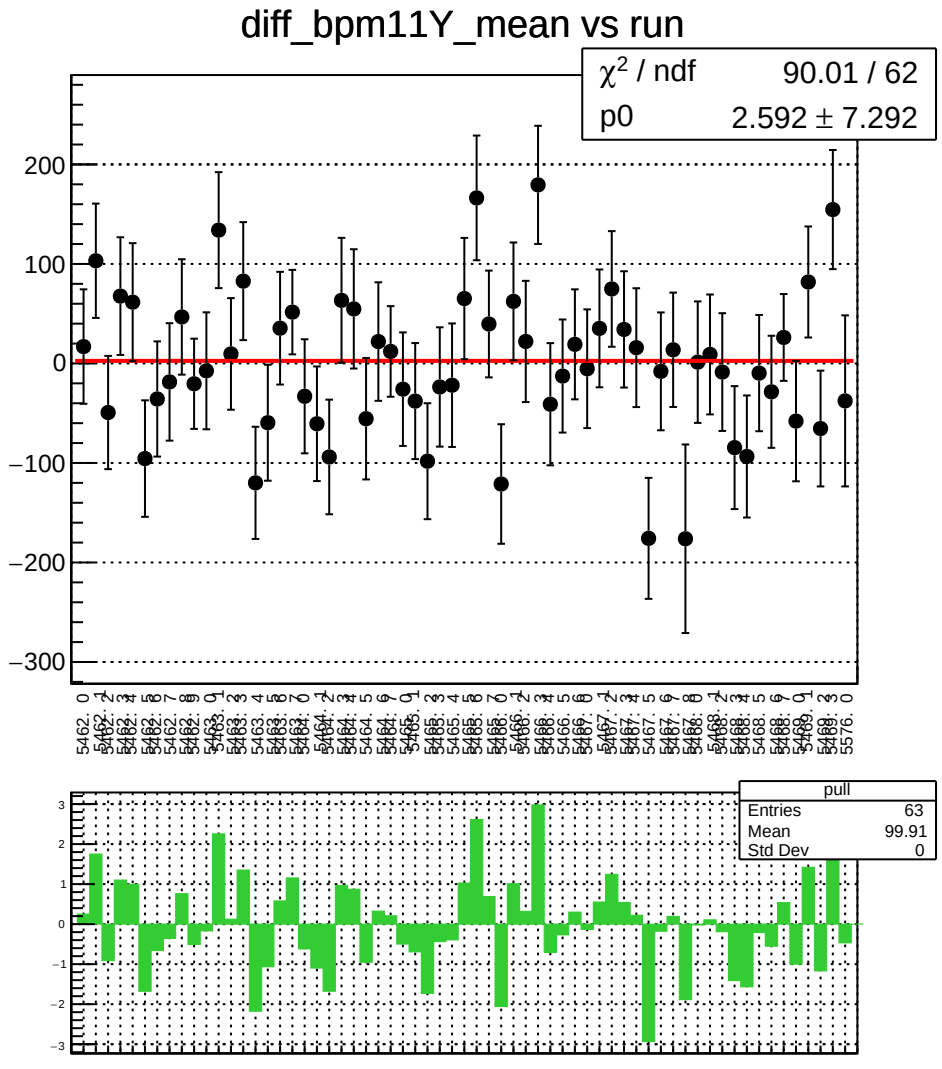

pull1D
Entries 63
Mean 0.004075
Std Dev 1.158

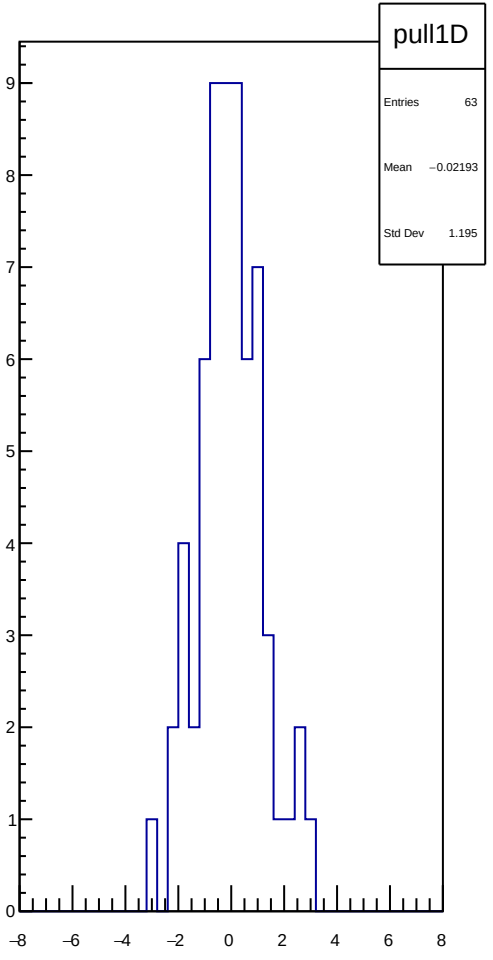

diff_bpm1Y_rms vs run
χ² / ndf 2462 / 62
p0 7726 ± 7.028
9500
9000
8500
8000
7500

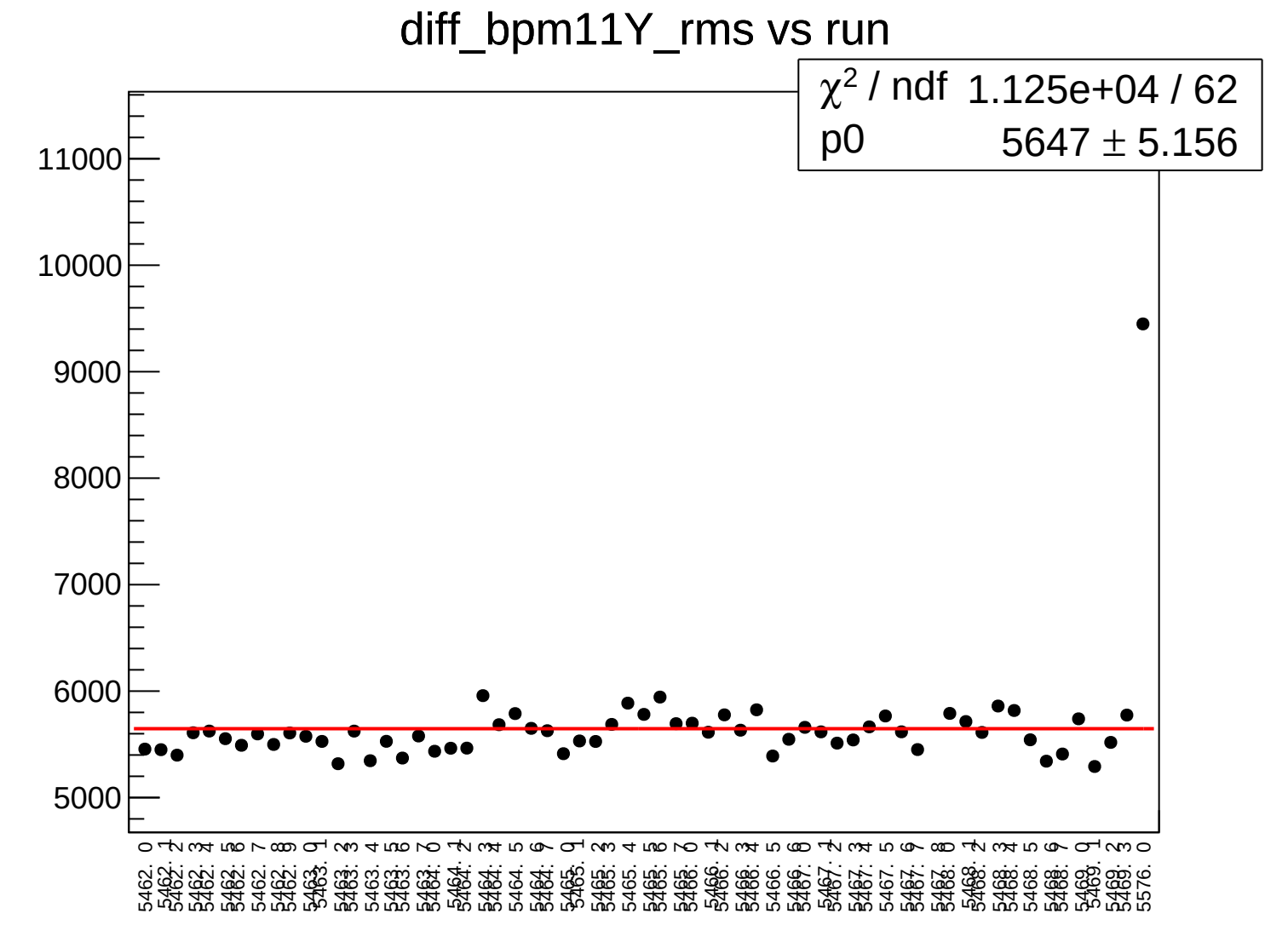

diff_bpm11X_mean vs run
χ² / ndf 79.67 / 62
p0 −6.135 ± 16.25
400
200
0
−200
−400
−600
pull
Entries 63
Mean 450
Std Dev 0
2
1
0
−1
−2
−3

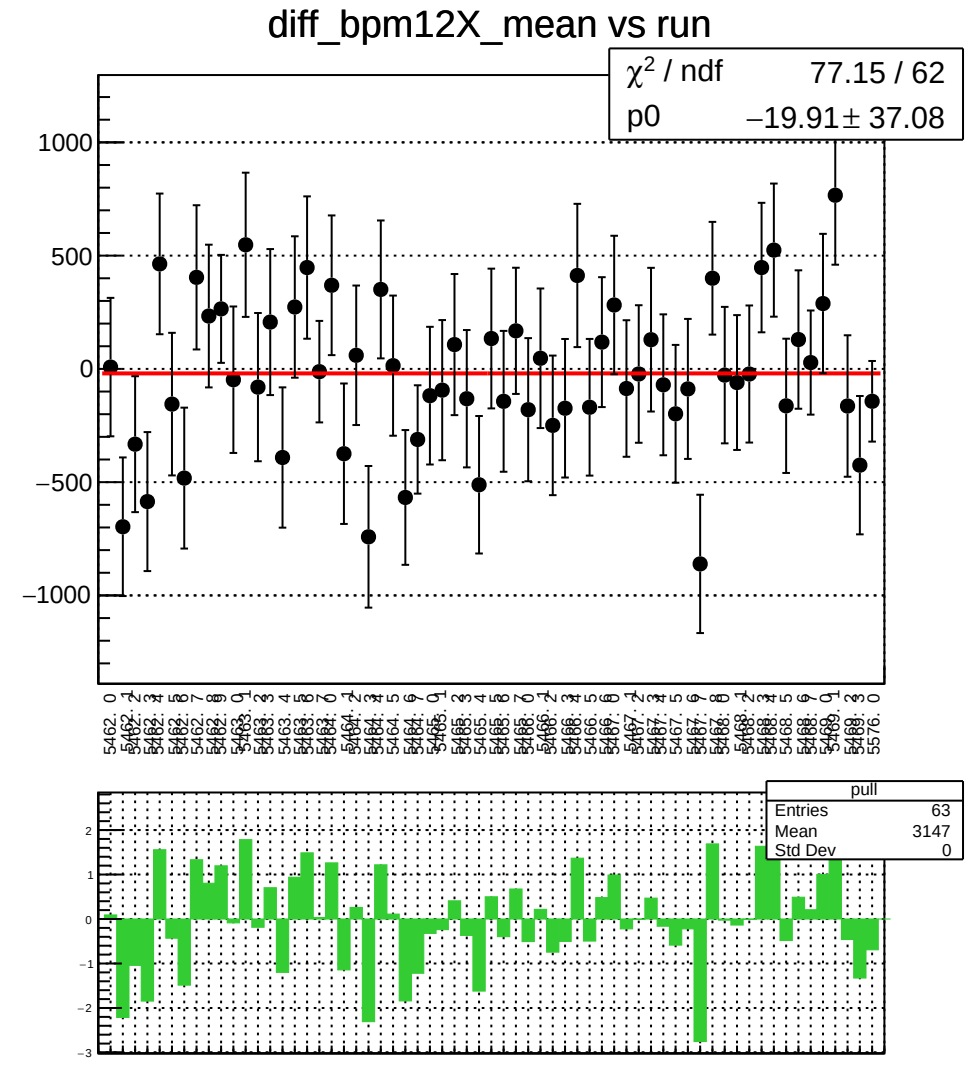

pull1D
Entries 63
Mean 0.004569
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

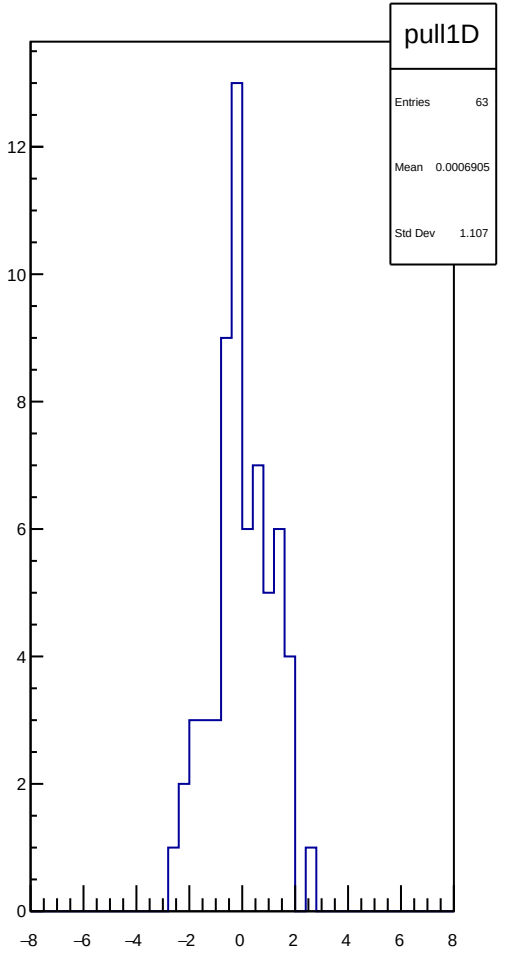

diff_bpm11X_rms vs run
χ^2 / ndf 7113 / 62
p0 1.26e+04 ± 11.49
14000
13000
12000
11000
10000
9000
8000

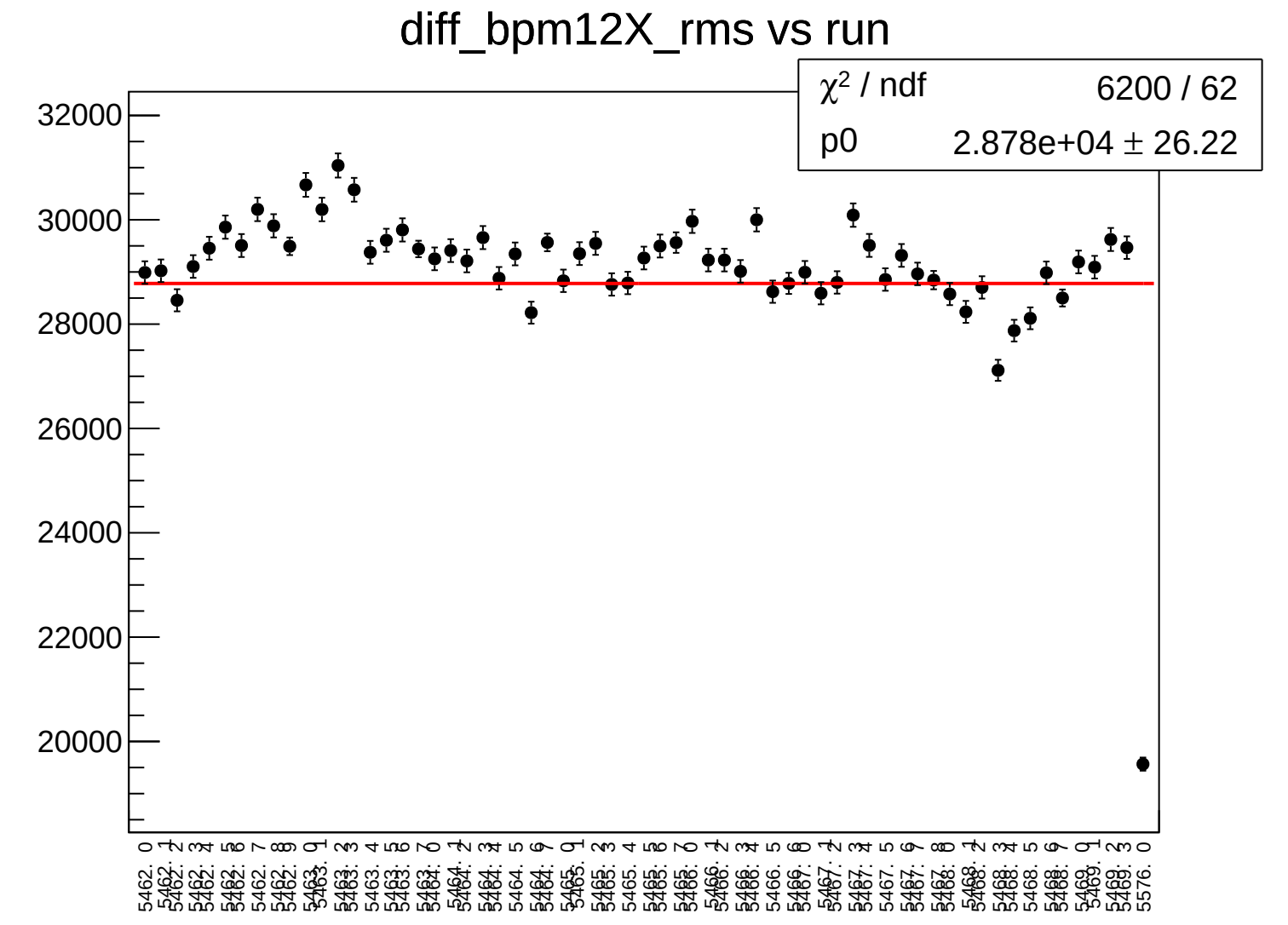

diff_bpm11Y_mean vs run
χ^2 / ndf 90.01 / 62
p0 2.592 ± 7.292
pull
Entries 63
Mean 99.91
Std Dev 0

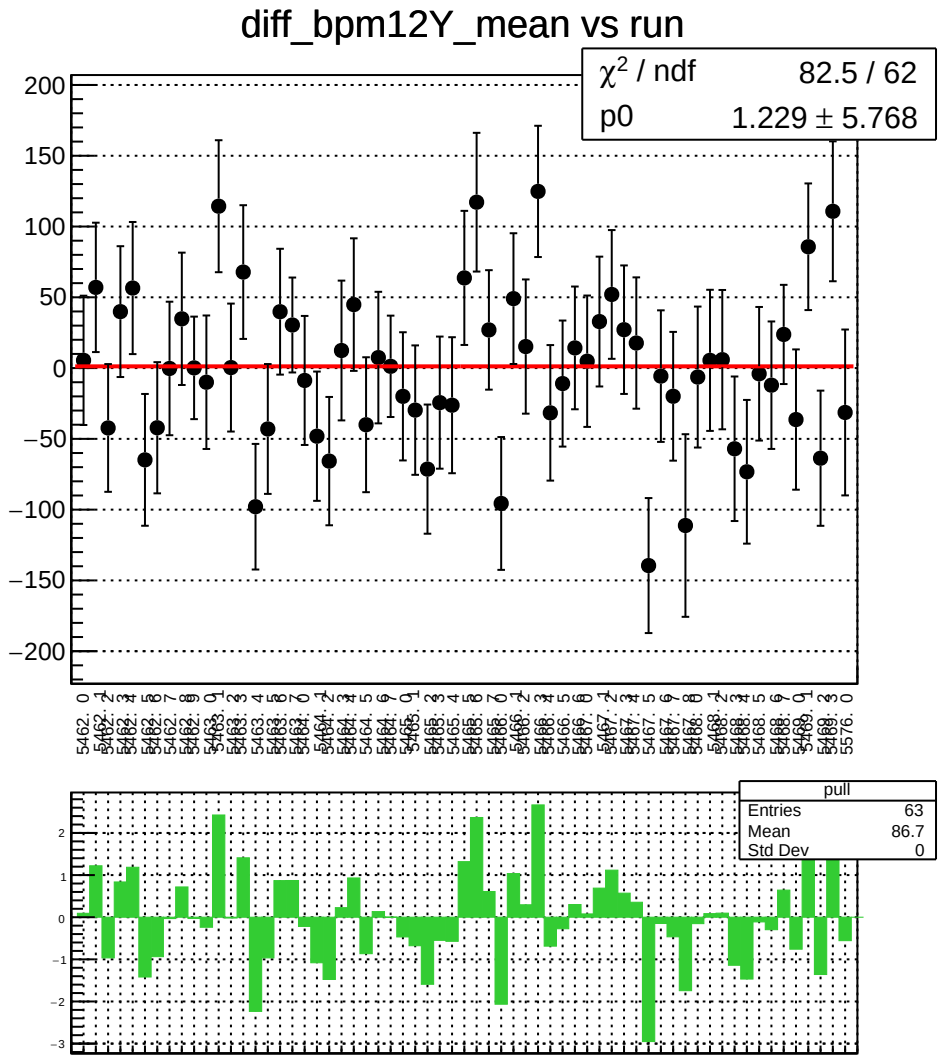

pull1D
Entries 63
Mean −0.02193
Std Dev 1.195

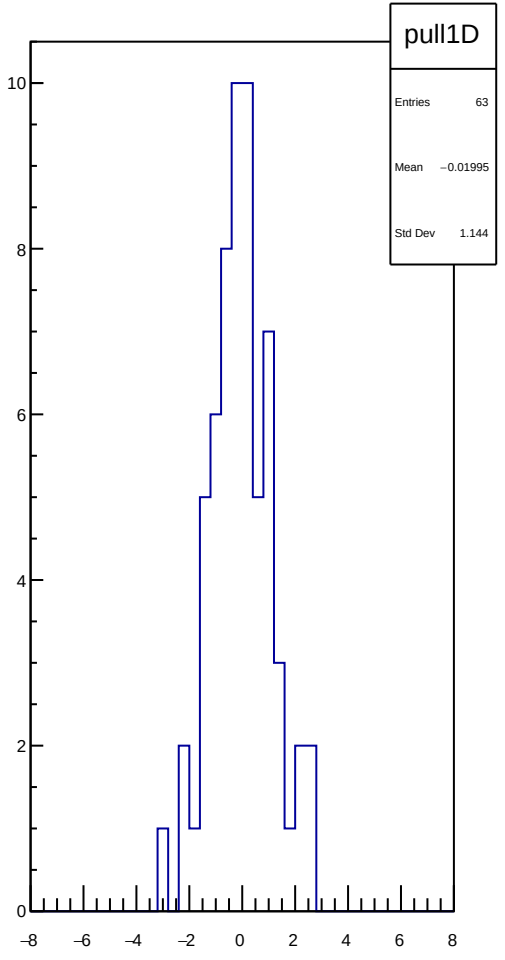

diff_bpm11Y_rms vs run
χ^2 / ndf 1.125e+04 / 62
p0 5647 ± 5.156
11000
10000
9000
8000
7000
6000
5000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

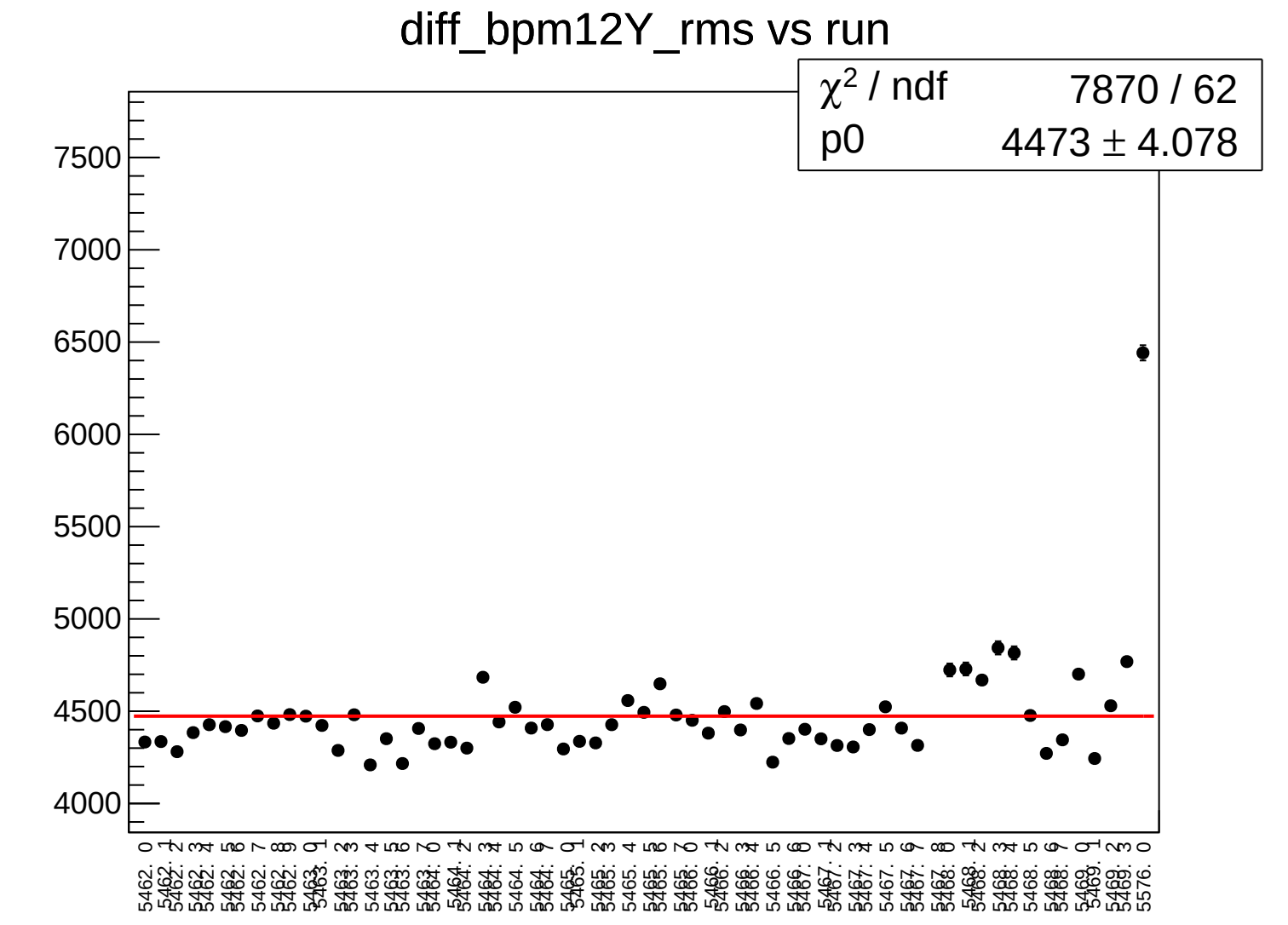

diff_bpm12X_mean vs run
χ² / ndf 77.15 / 62
p0 −19.91 ± 37.08
1000
500
0
−500
−1000
pull
Entries 63
Mean 3147
Std Dev 0
2
1
0
−1
−2
−3

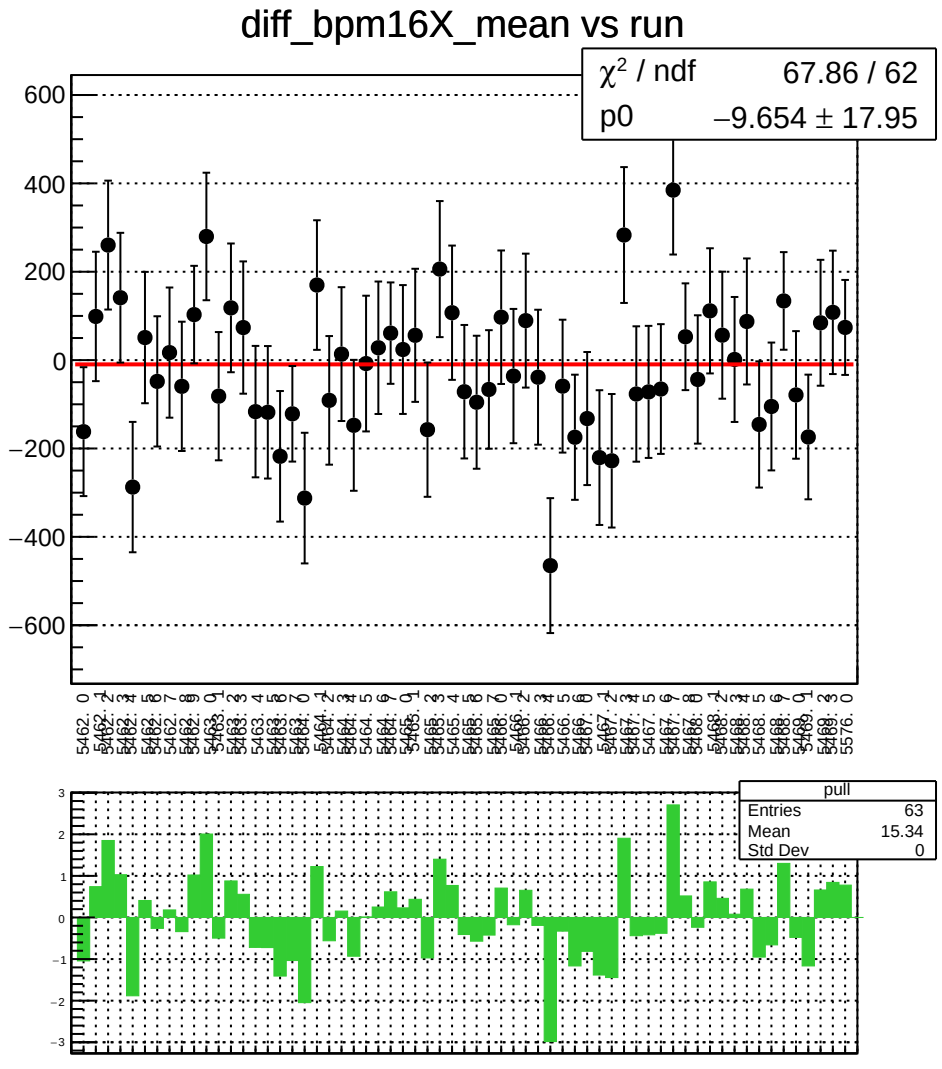

pull1D
Entries 63
Mean 0.0006905
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

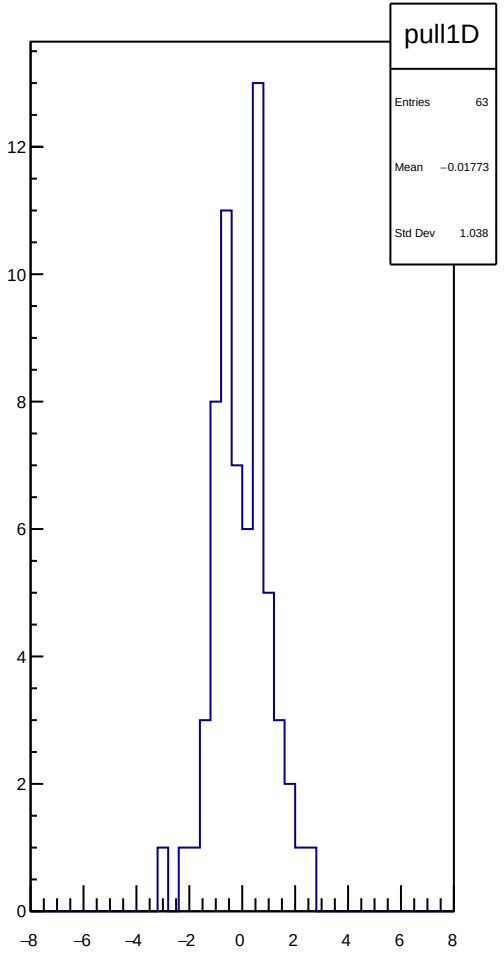

diff_bpm12X_rms vs run
χ² / ndf 6200 / 62
p0 2.878e+04 ± 26.22
32000
30000
28000
26000
24000
22000
20000

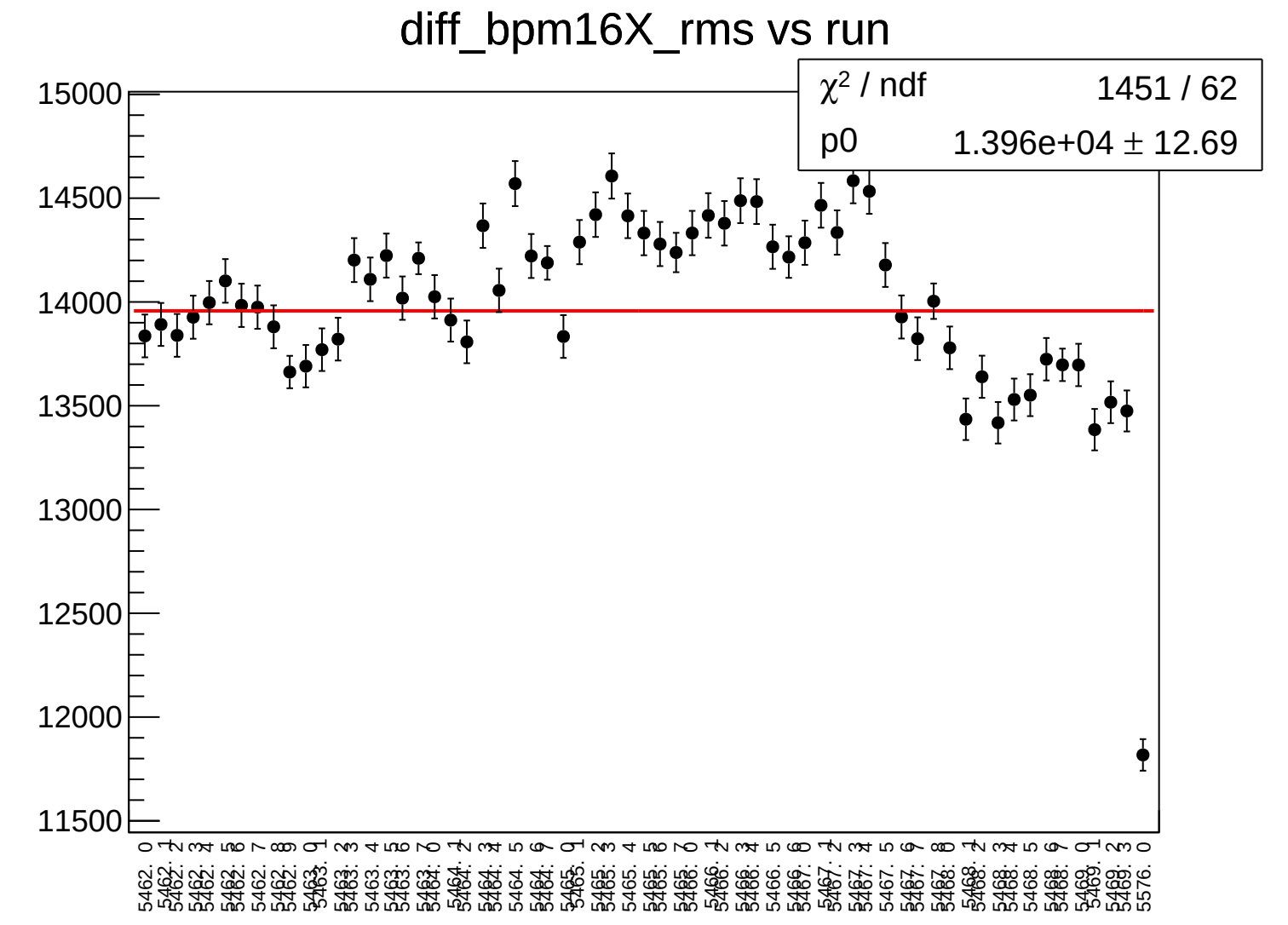

diff_bpm12Y_mean vs run
χ^2 / ndf 82.5 / 62
p0 1.229 ± 5.768
pull
Entries 63
Mean 86.7
Std Dev 0

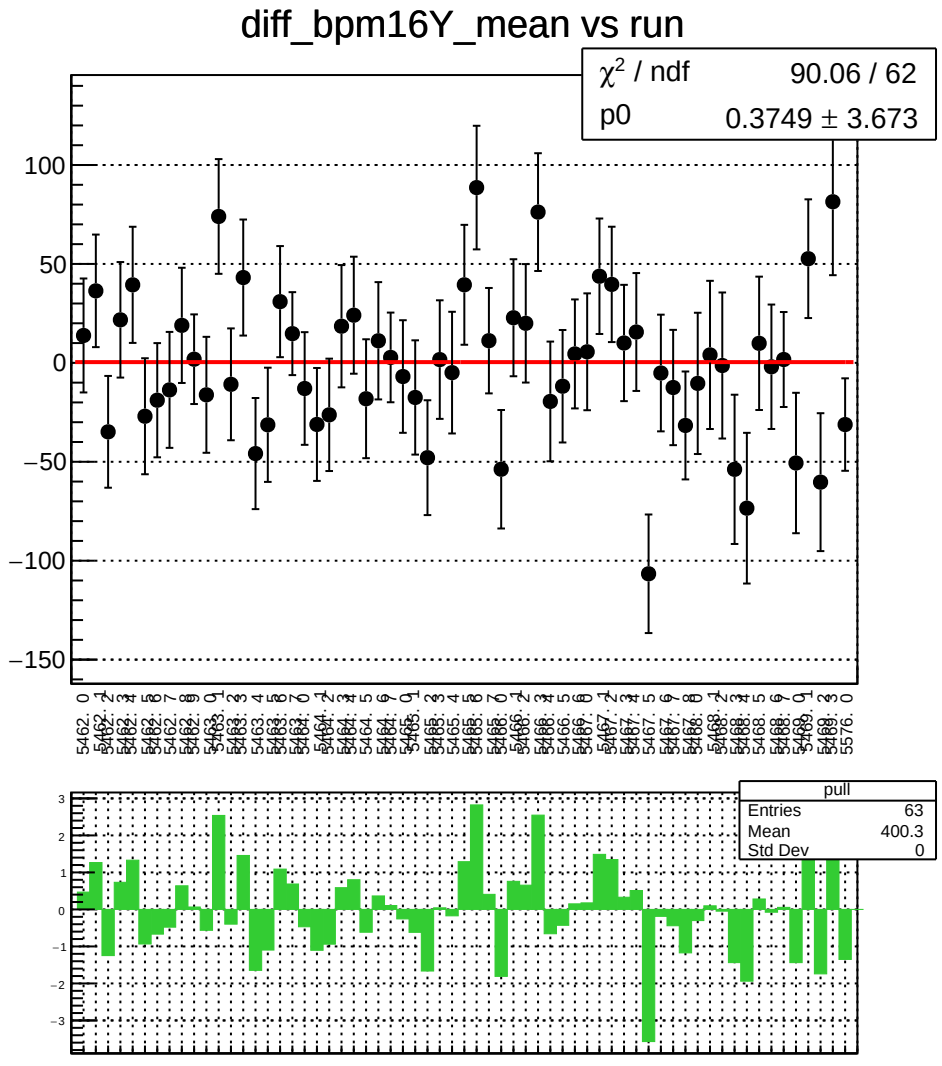

pull1D
Entries 63
Mean −0.01995
Std Dev 1.144

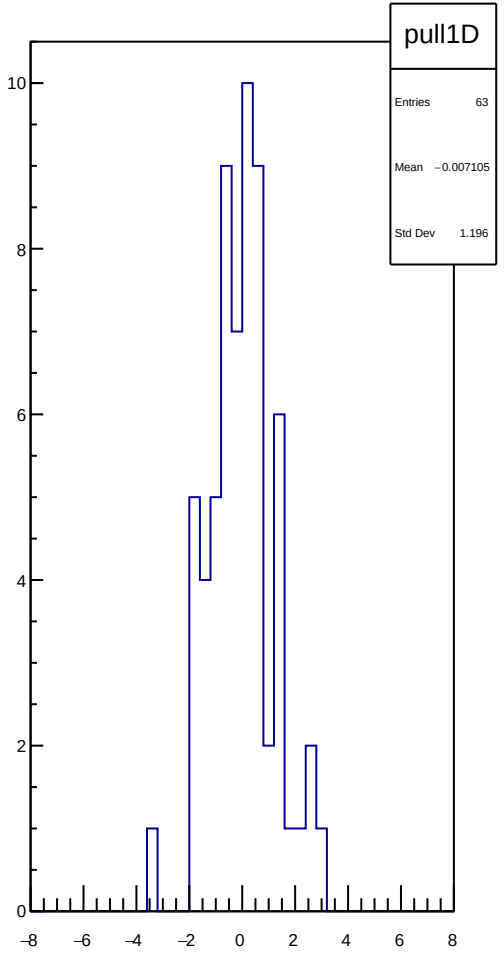

diff_bpm12Y_rms vs run
χ² / ndf 7870 / 62
p0 4473 ± 4.078
7500
7000
6500
6000
5500
5000
4500
4000

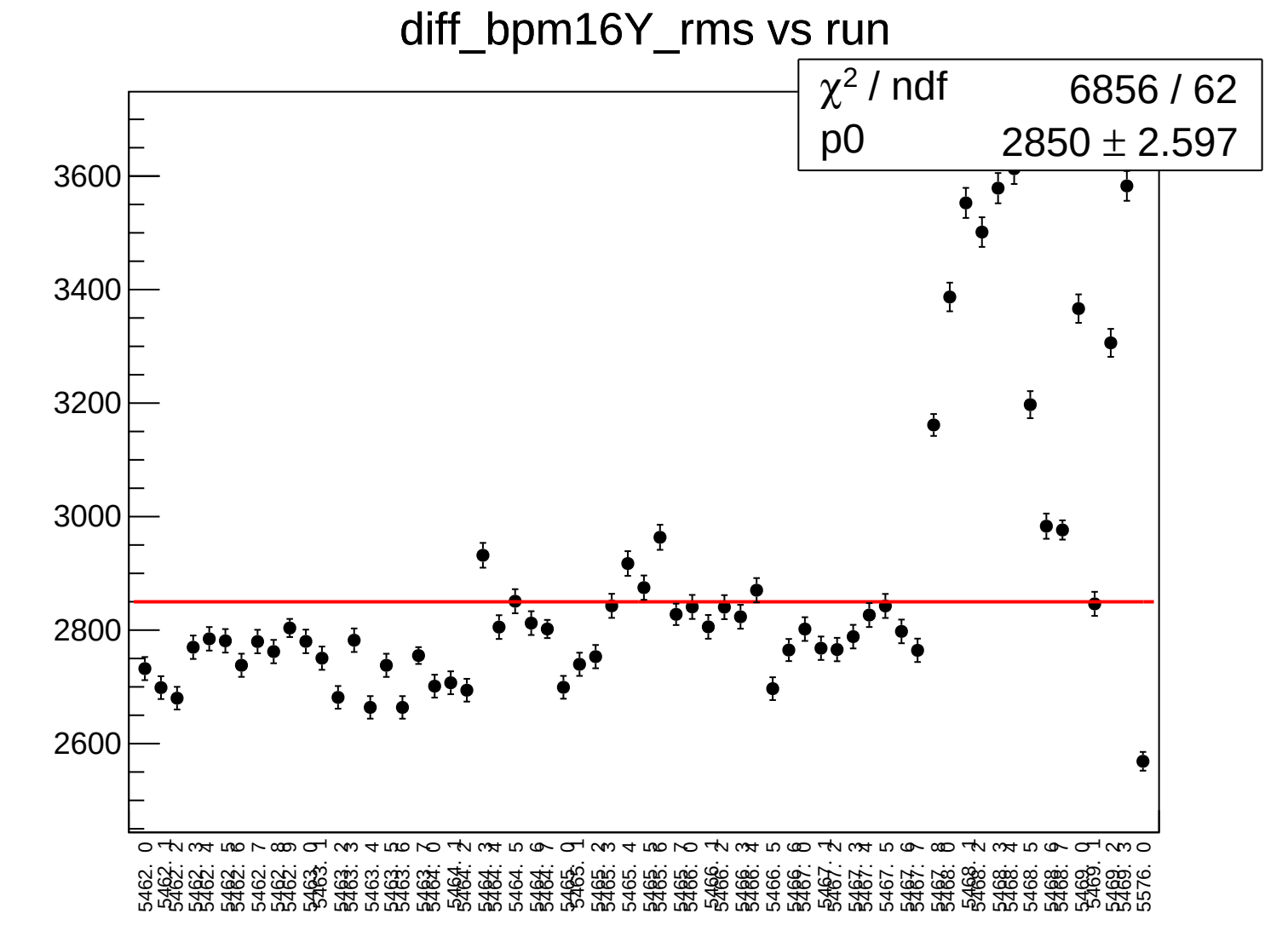

diff_bpm16X_mean vs run
χ² / ndf 67.86 / 62
p0 −9.654 ± 17.95
pull
Entries 63
Mean 15.34
Std Dev 0

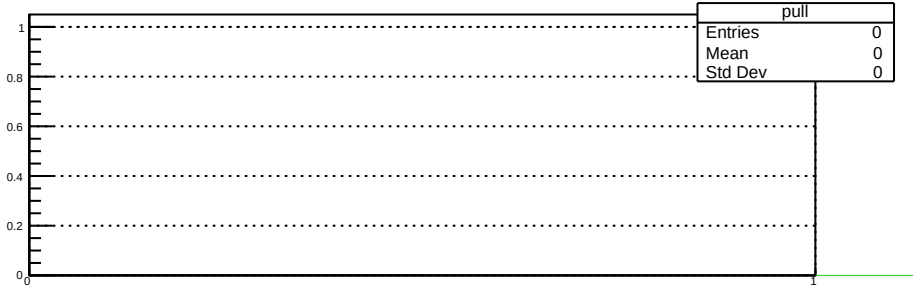

pull1D
Entries 63
Mean −0.01773
Std Dev 1.038

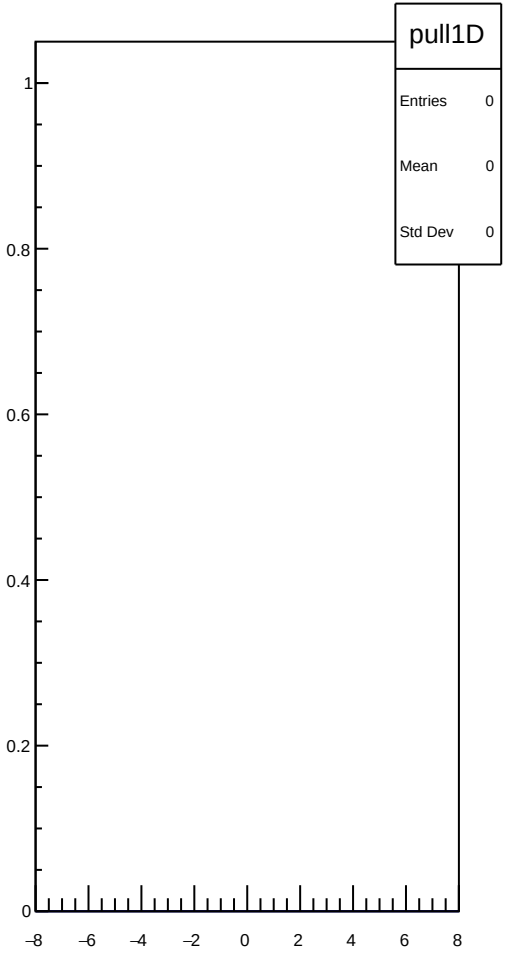

diff_bpm16X_rms vs run
χ² / ndf 1451 / 62
p0 1.396e+04 ± 12.69
15000
14500
14000
13500
13000
12500
12000
11500

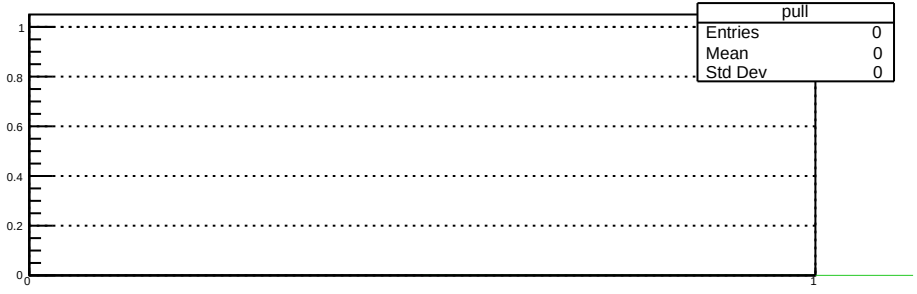

diff_bpm16Y_mean vs run
χ² / ndf 90.06 / 62
p0 0.3749 ± 3.673
pull
Entries 63
Mean 400.3
Std Dev 0

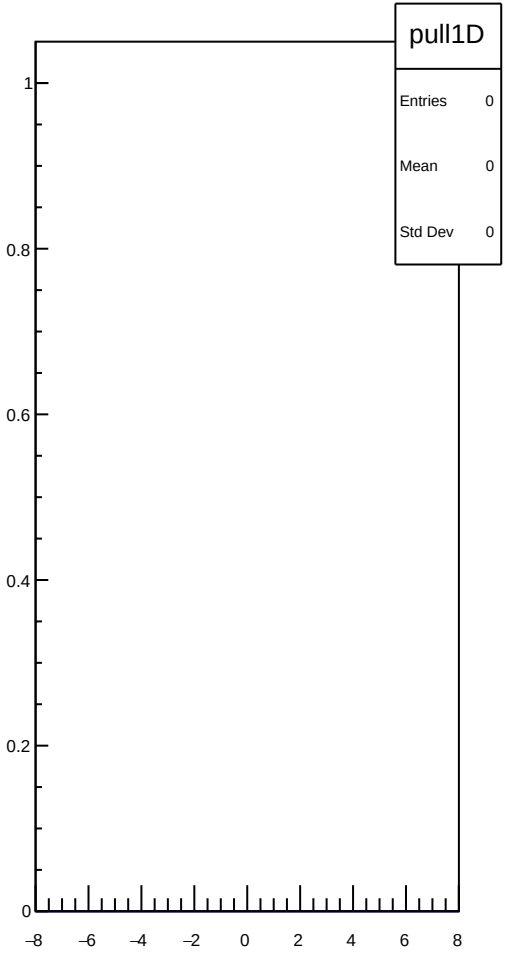

pull1D
Entries 63
Mean −0.007105
Std Dev 1.196

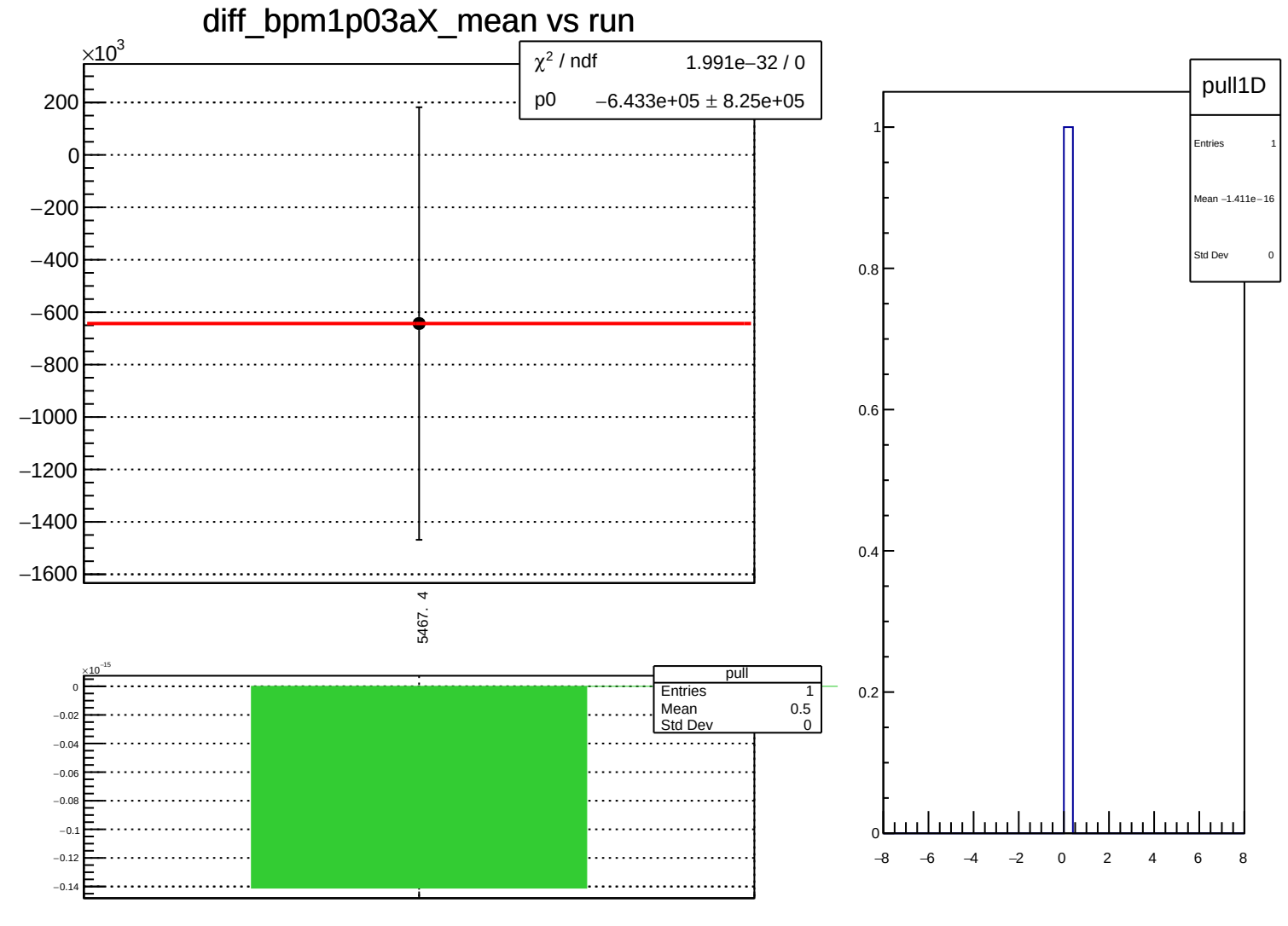

diff_bpm16Y_rms vs run
χ² / ndf 6856 / 62
p0 2850 ± 2.597
3600
3400
3200
3000
2800
2600

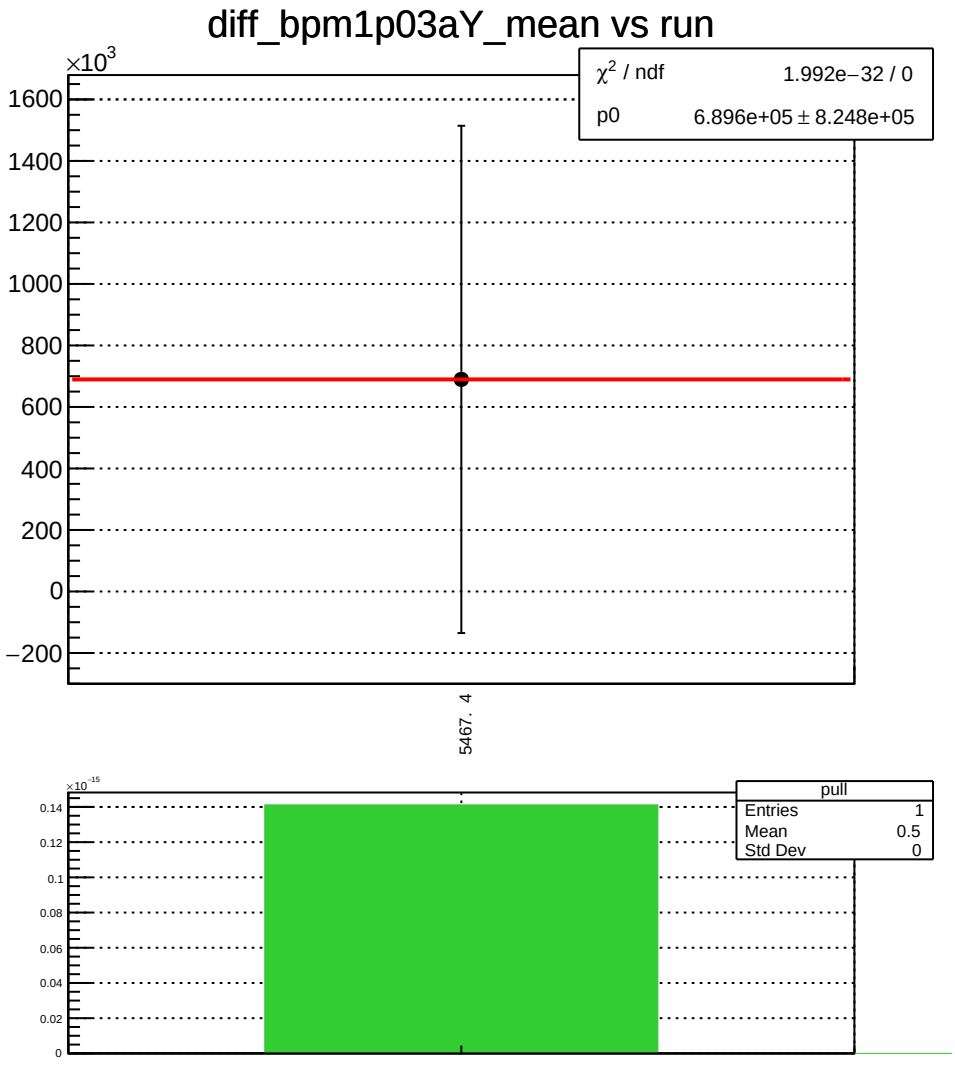

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

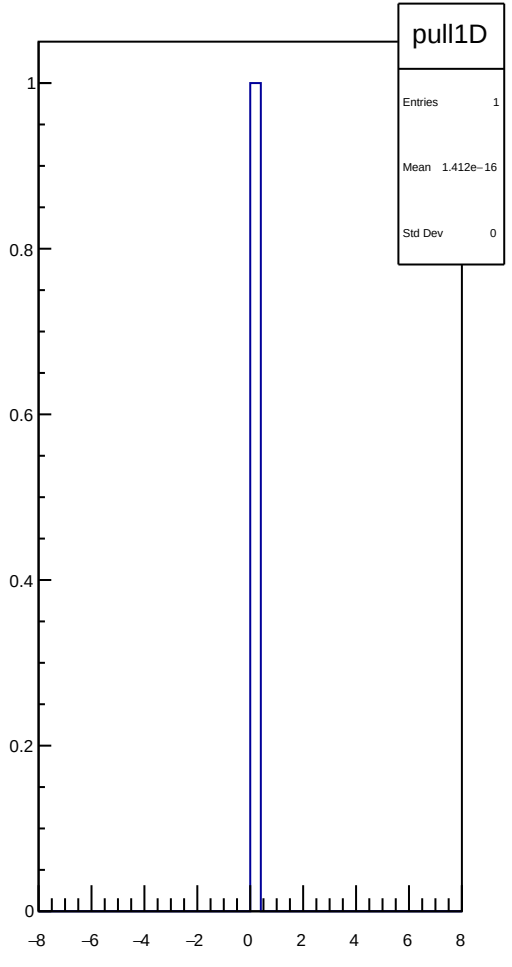

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

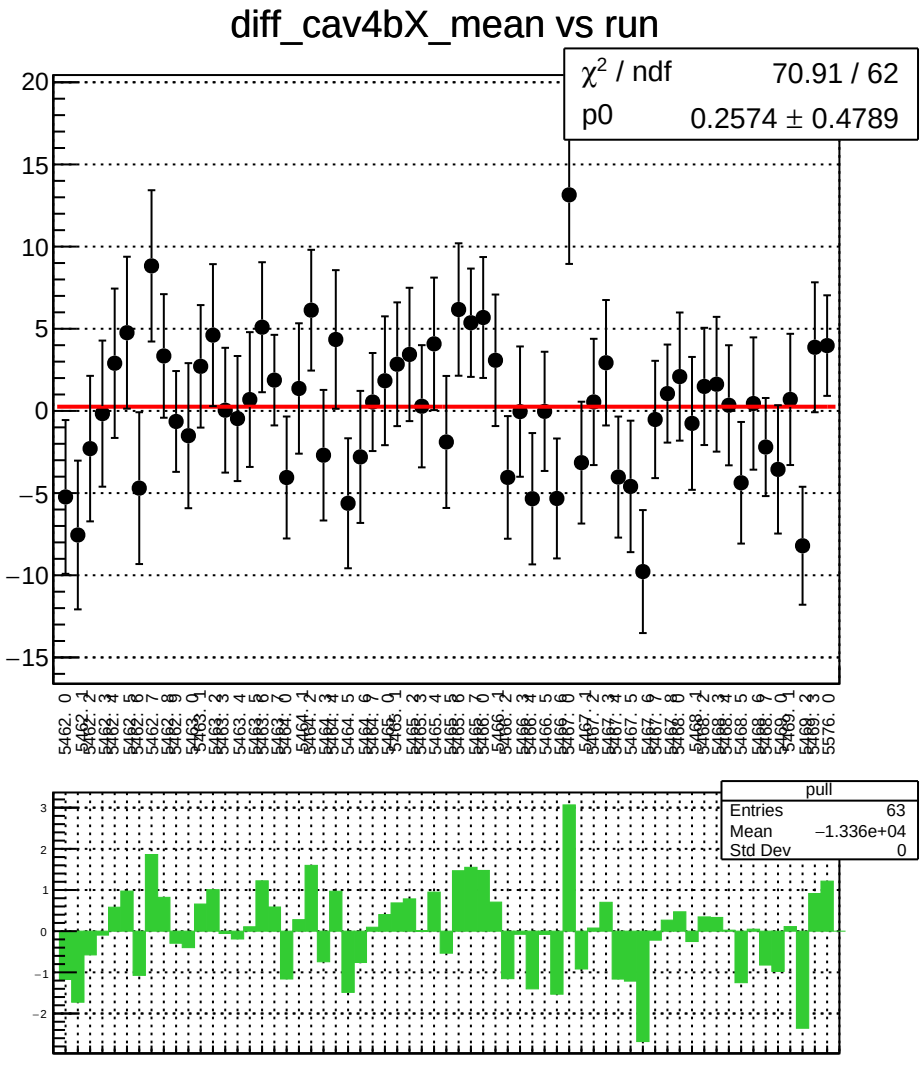

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

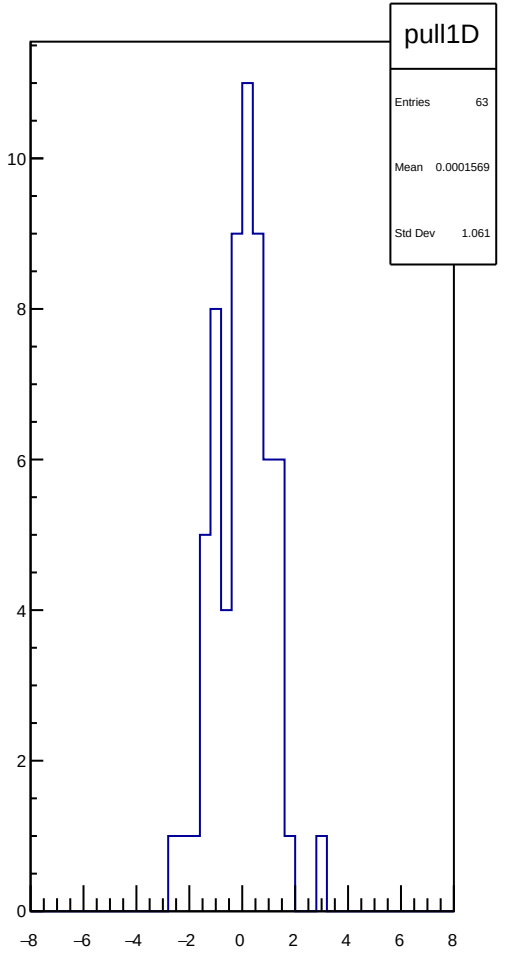

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

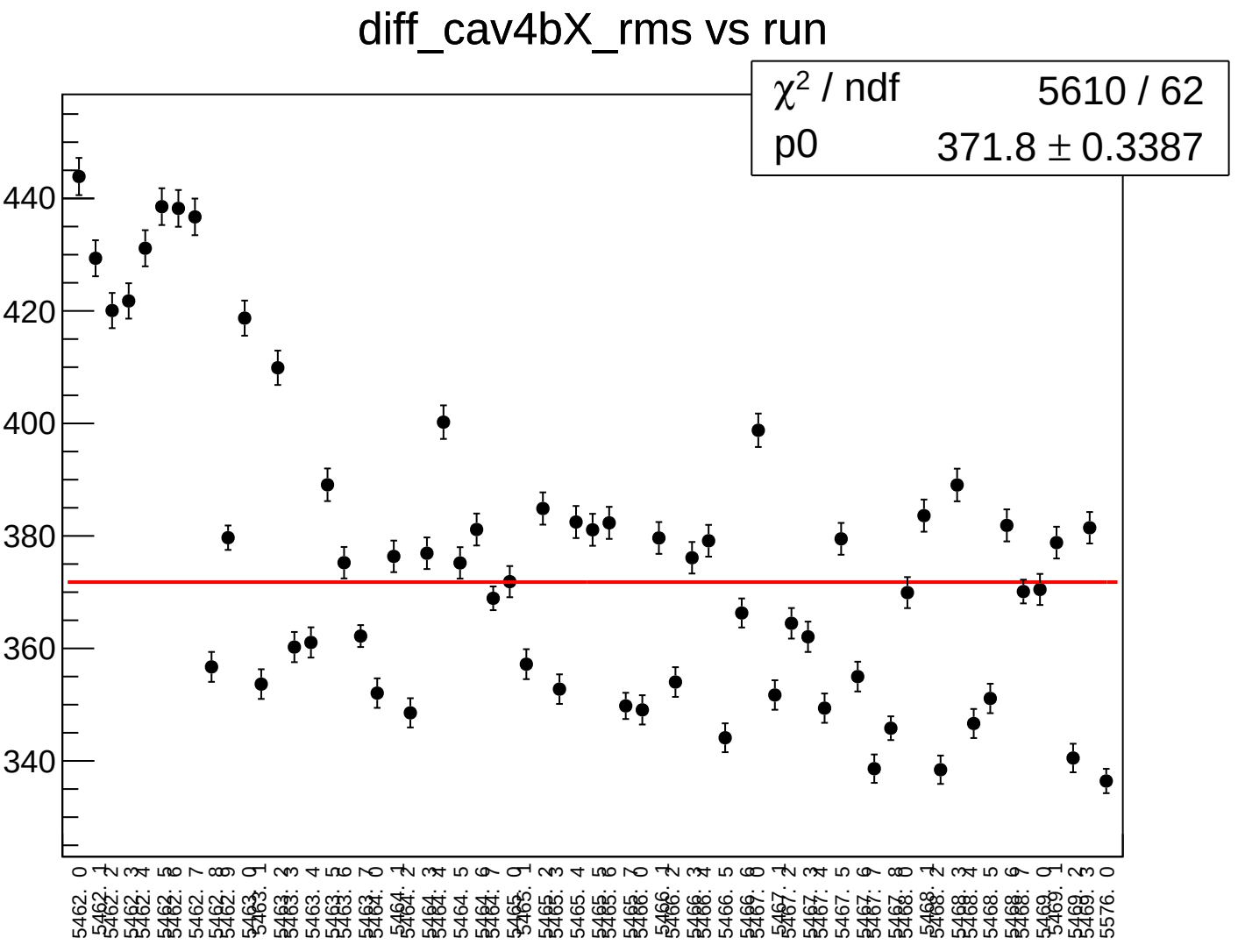

diff_bpm1p03aX_mean vs run
×10^3
χ² / ndf 1.991e−32 / 0
p0 −6.433e+05 ± 8.25e+05
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
5467. 4
×10^-15
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 1
Mean 0.5
Std Dev 0
pull1D
Entries 1
Mean −1.411e−16
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

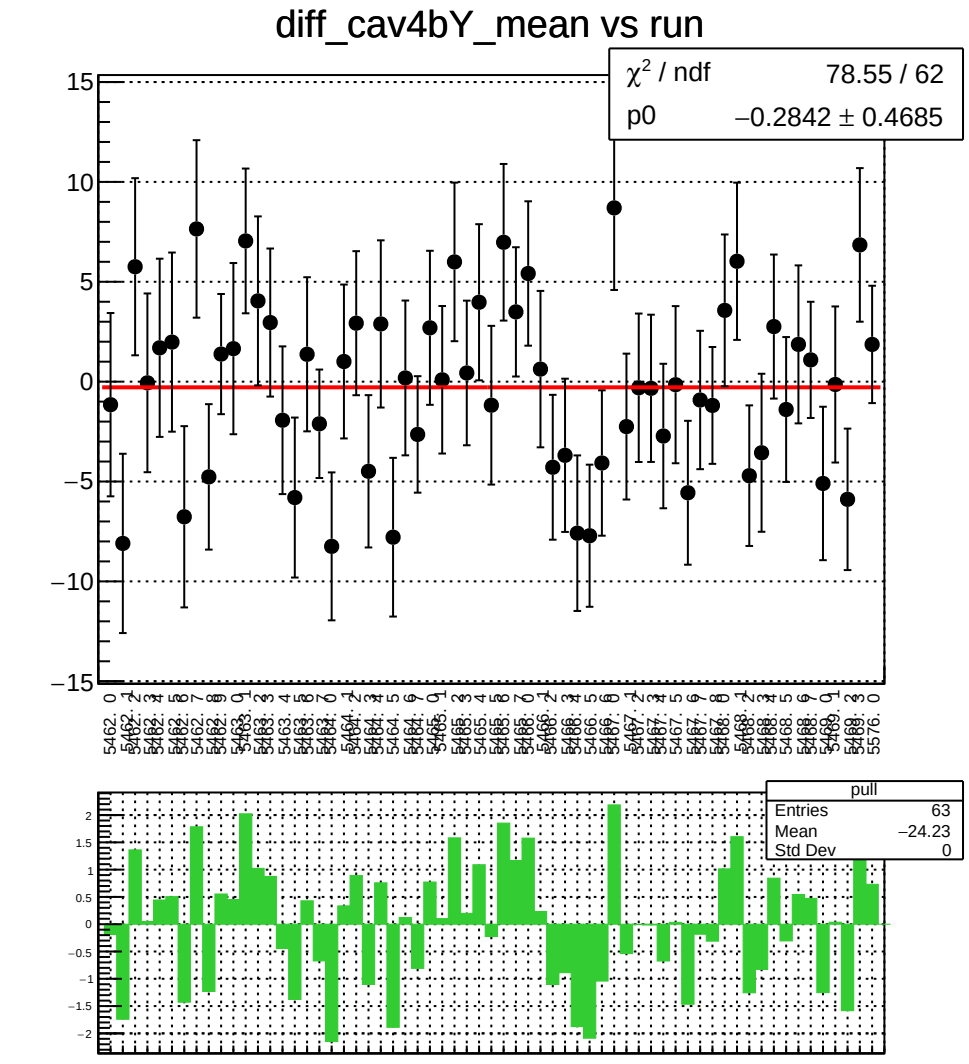

diff_bpm1p03aY_mean vs run
×10^3
1600
1400
1200
1000
800
600
400
200
0
−200
χ² / ndf 1.992e−32 / 0
p0 6.896e+05 ± 8.248e+05
5467. 4
×10^-15
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 1
Mean 0.5
Std Dev 0

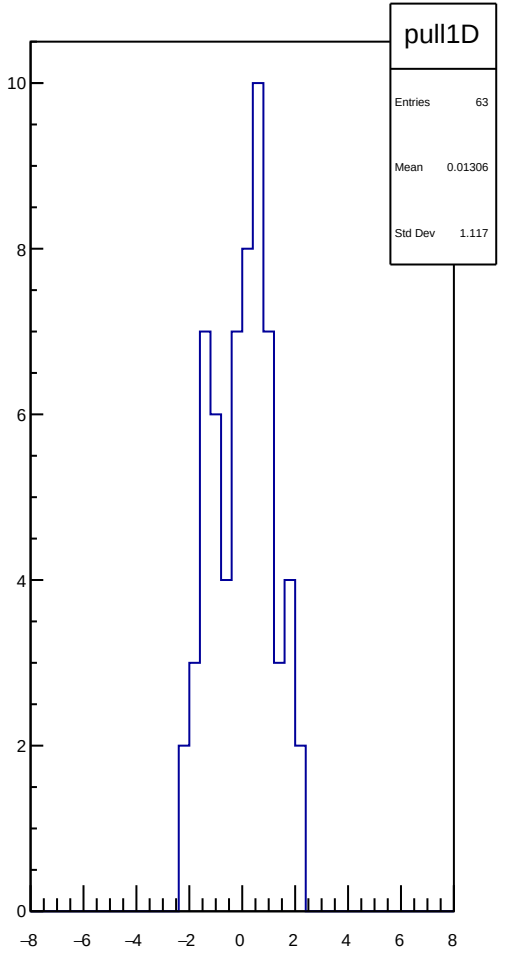

pull1D
Entries 1
Mean 1.412e−16
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

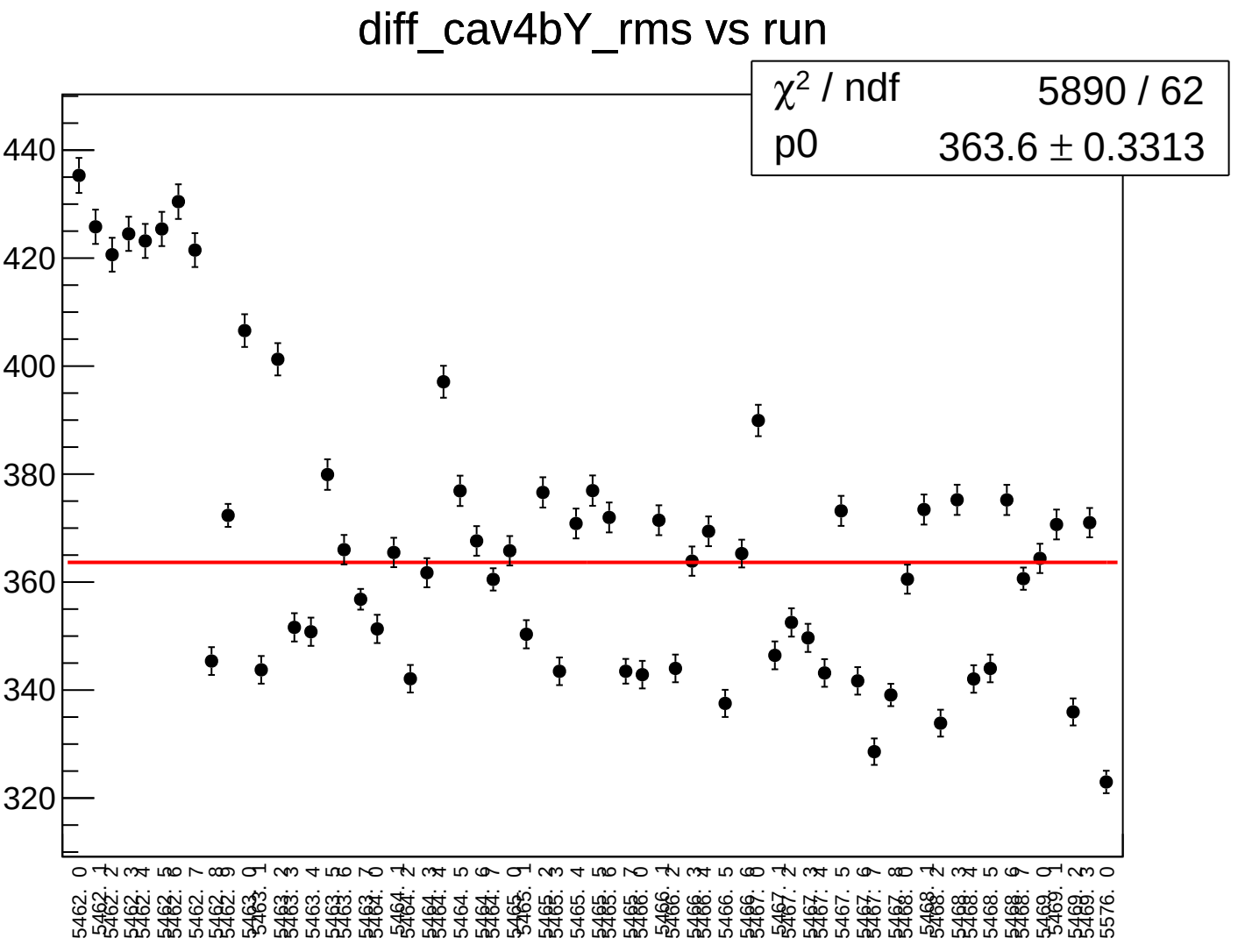

diff_cav4bX_mean vs run
χ² / ndf 70.91 / 62
p0 0.2574 ± 0.4789
pull
Entries 63
Mean −1.336e+04
Std Dev 0

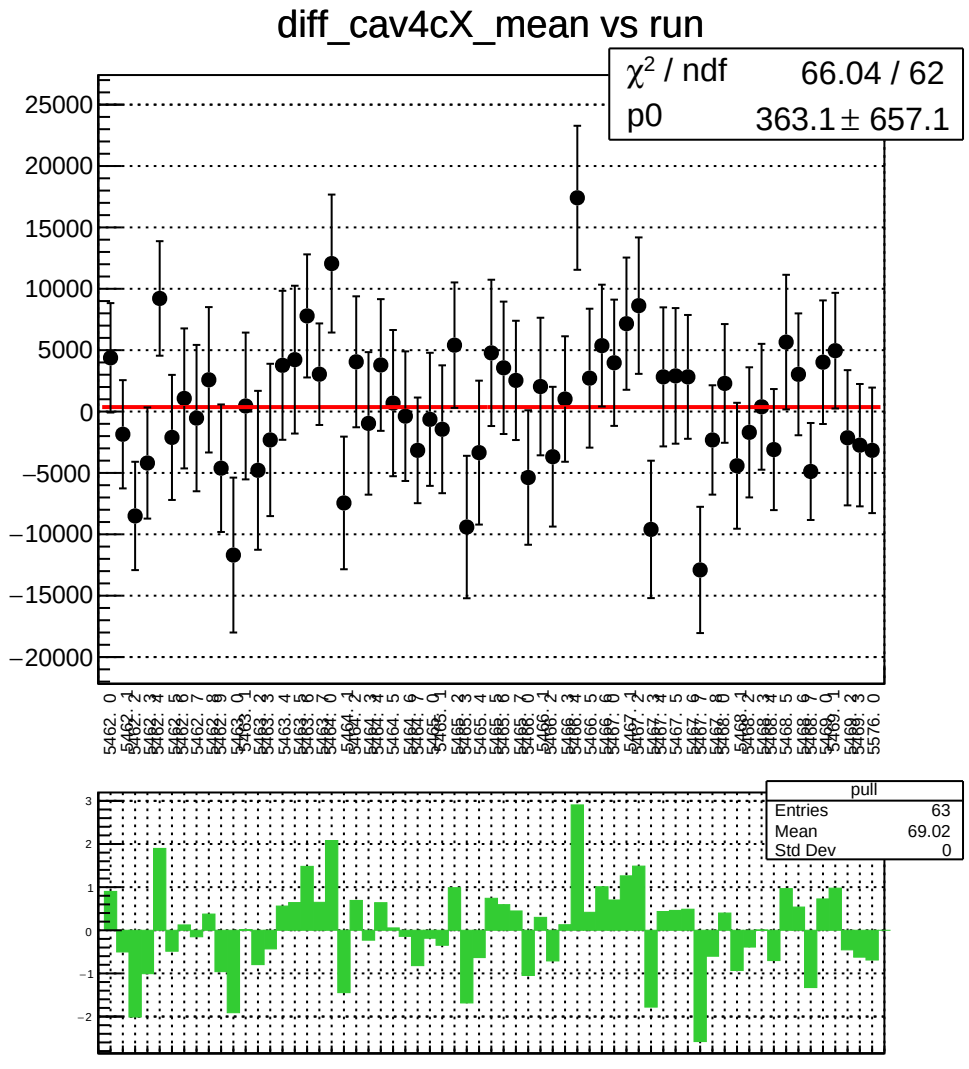

pull1D
Entries 63
Mean 0.0001569
Std Dev 1.061

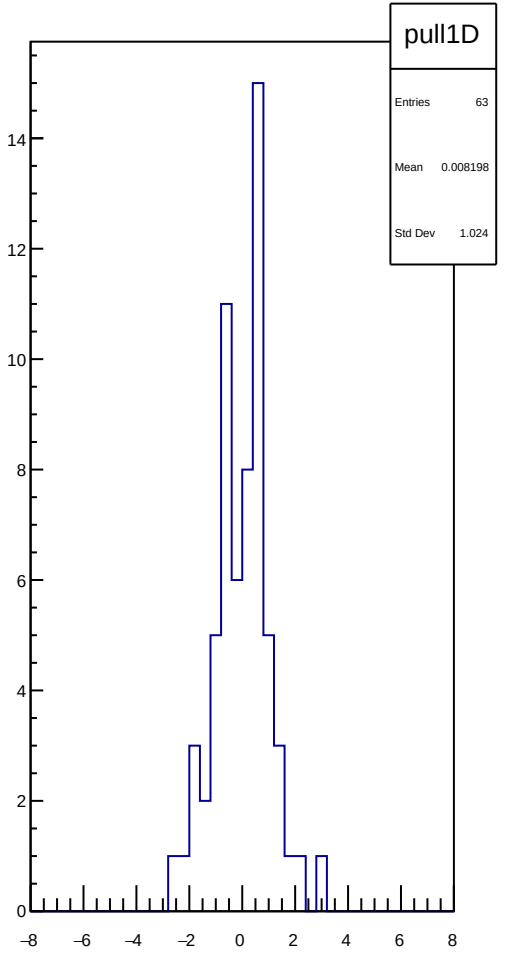

diff_cav4bX_rms vs run
χ² / ndf 5610 / 62
p0 371.8 ± 0.3387
440
420
400
380
360
340

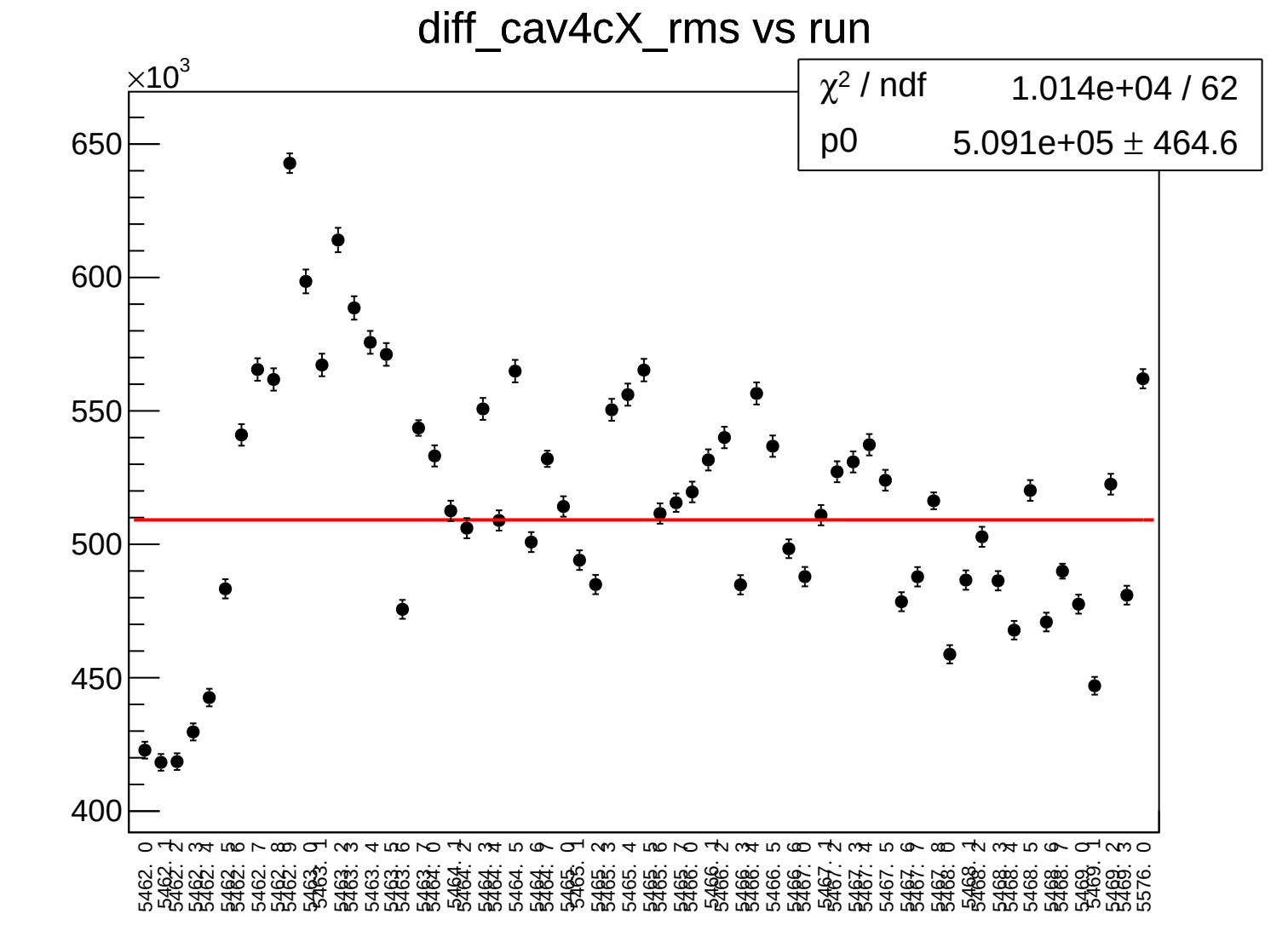

diff_cav4bY_mean vs run
χ² / ndf 78.55 / 62
p0 −0.2842 ± 0.4685
pull
Entries 63
Mean −24.23
Std Dev 0

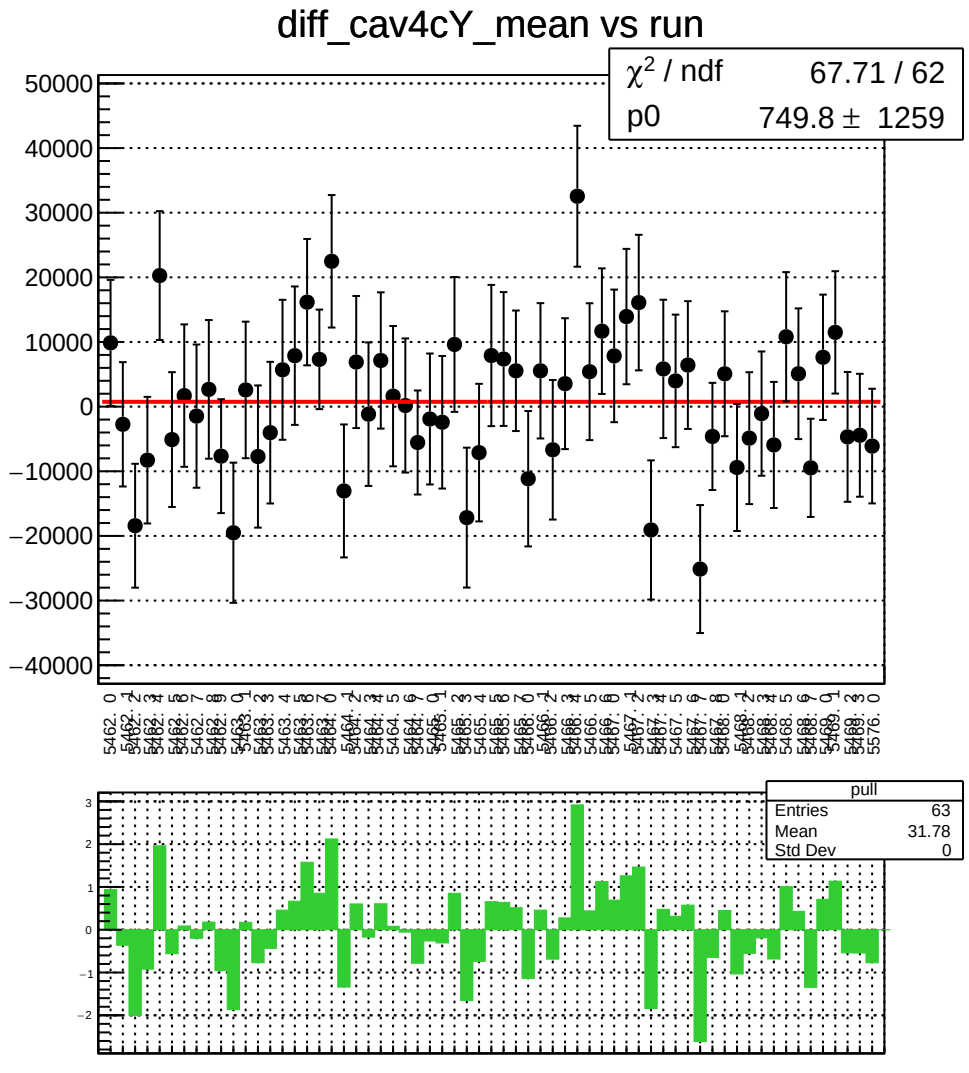

pull1D
Entries 63
Mean 0.01306
Std Dev 1.117

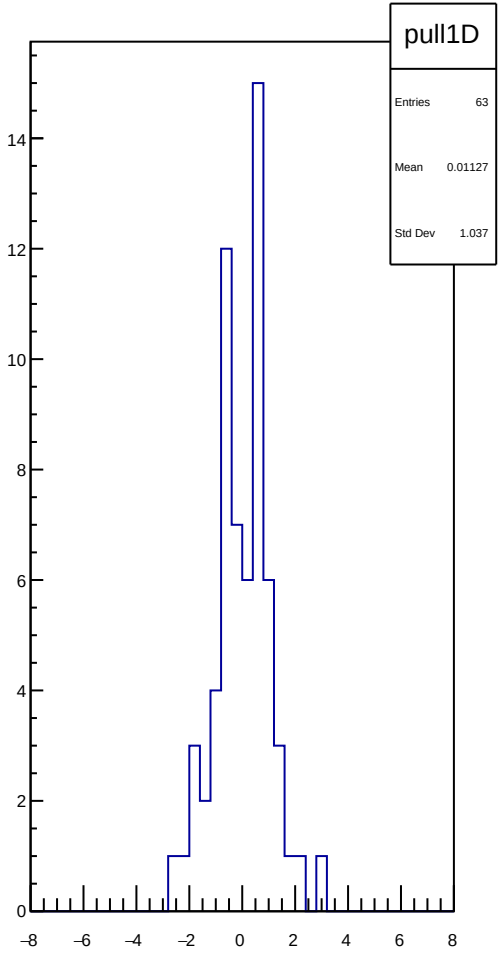

diff_cav4bY_rms vs run
χ² / ndf 5890 / 62
p0 363.6 ± 0.3313
440
420
400
380
360
340
320
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

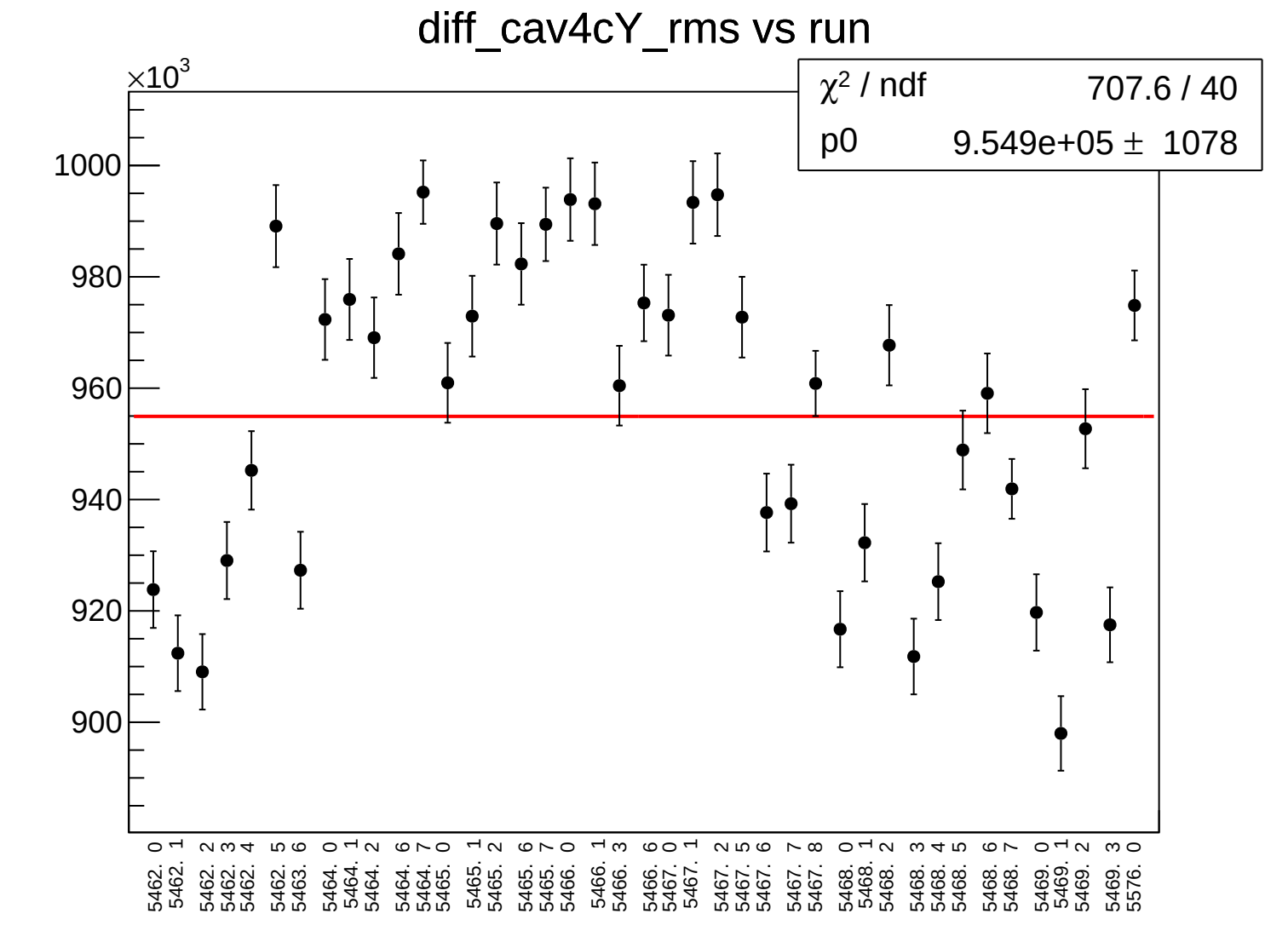

diff_cav4cX_mean vs run
χ² / ndf 66.04 / 62
p0 363.1 ± 657.1
pull
Entries 63
Mean 69.02
Std Dev 0

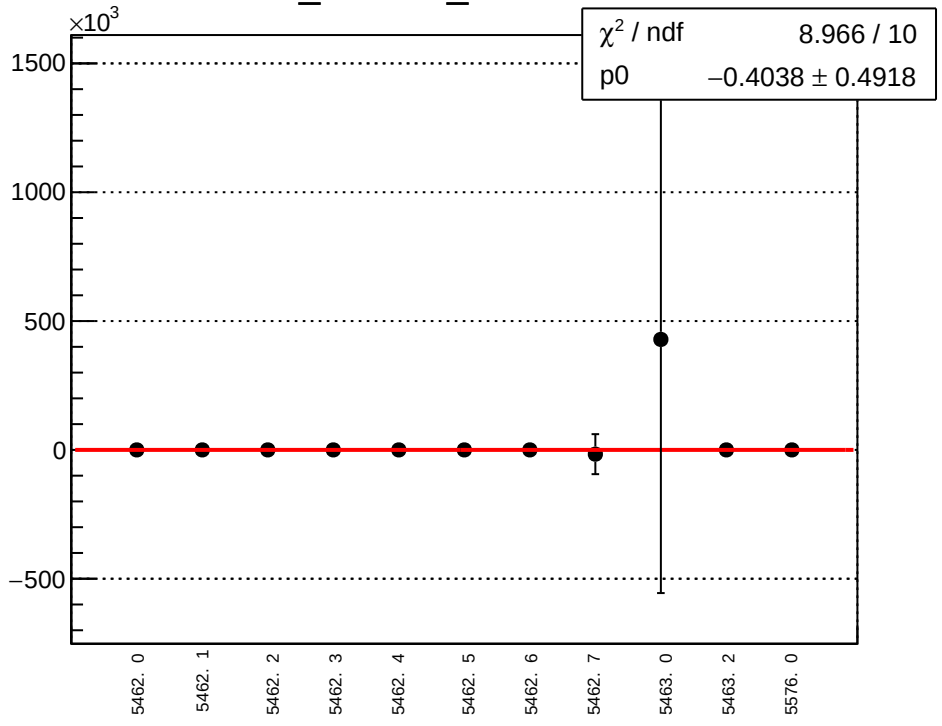

pull1D
Entries 63
Mean 0.008198
Std Dev 1.024

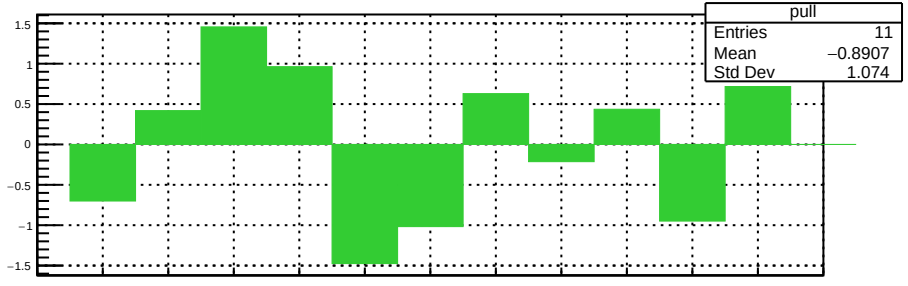

diff_cav4cX_rms vs run
×10^3
χ² / ndf 1.014e+04 / 62
p0 5.091e+05 ± 464.6
650
600
550
500
450
400

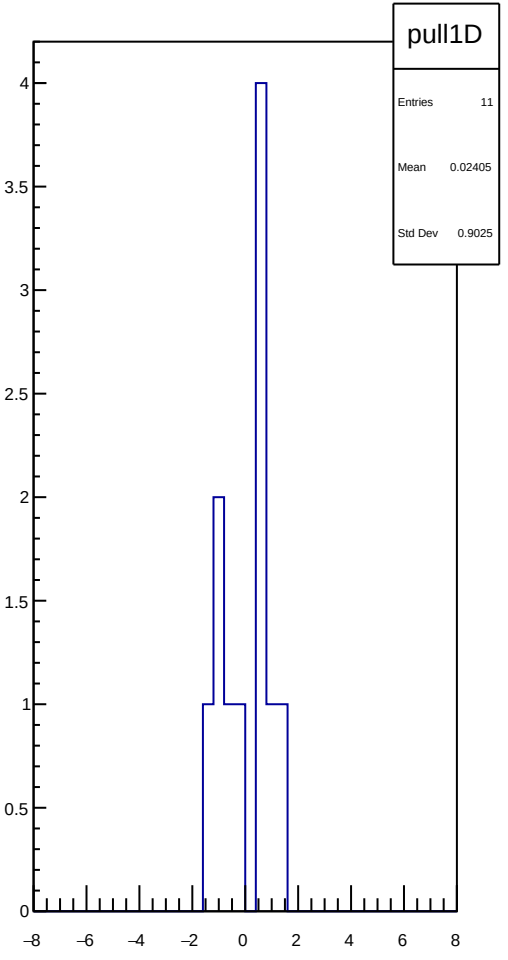

diff_cav4cY_mean vs run
χ^2 / ndf 67.71 / 62
p0 749.8 ± 1259
pull
Entries 63
Mean 31.78
Std Dev 0

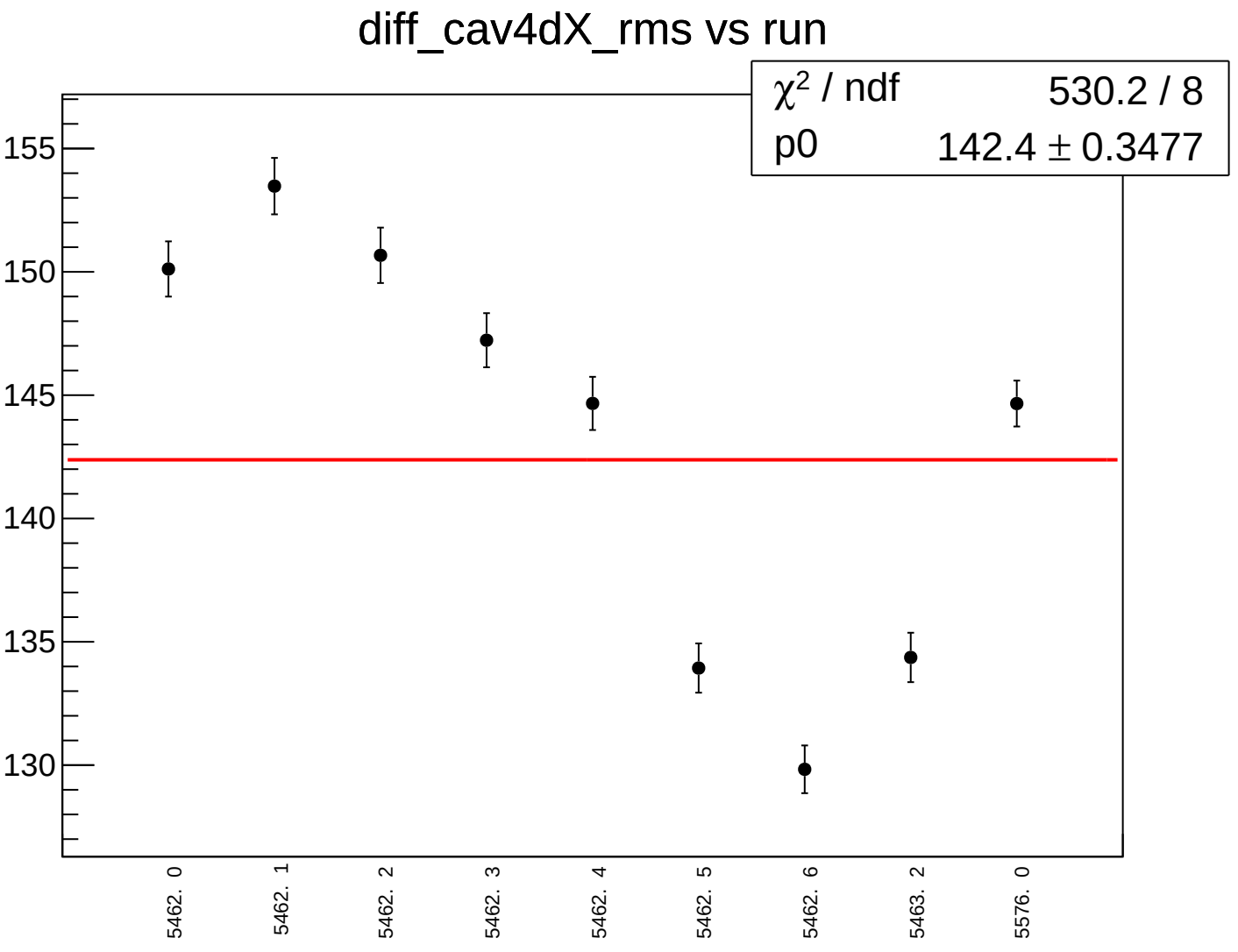

pull1D
Entries 63
Mean 0.01127
Std Dev 1.037

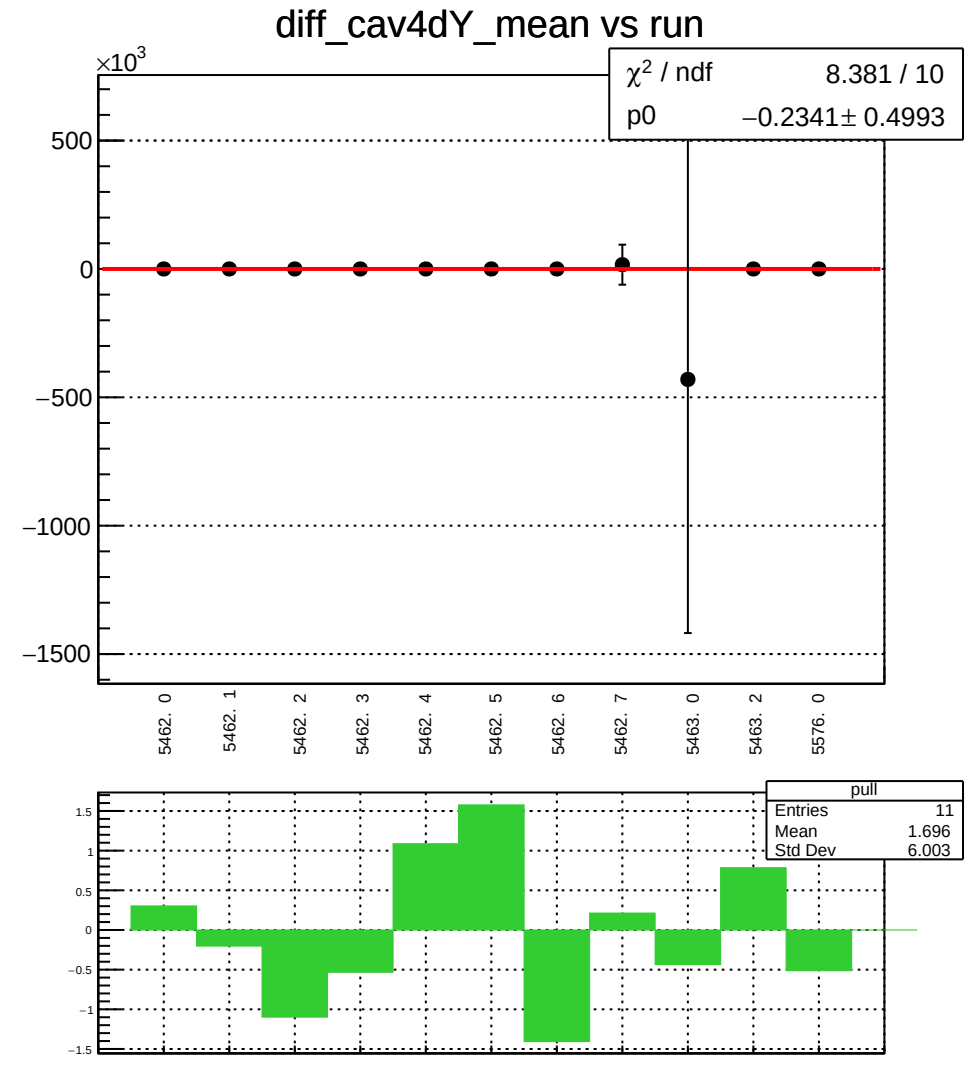

diff_cav4cY_rms vs run
×10^3
χ² / ndf 707.6 / 40
p0 9.549e+05 ± 1078
1000
980
960
940
920
900
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5463. 6
5464. 0
5464. 1
5464. 2
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 6
5465. 7
5466. 0
5466. 1
5466. 3
5466. 6
5467. 0
5467. 1
5467. 2
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

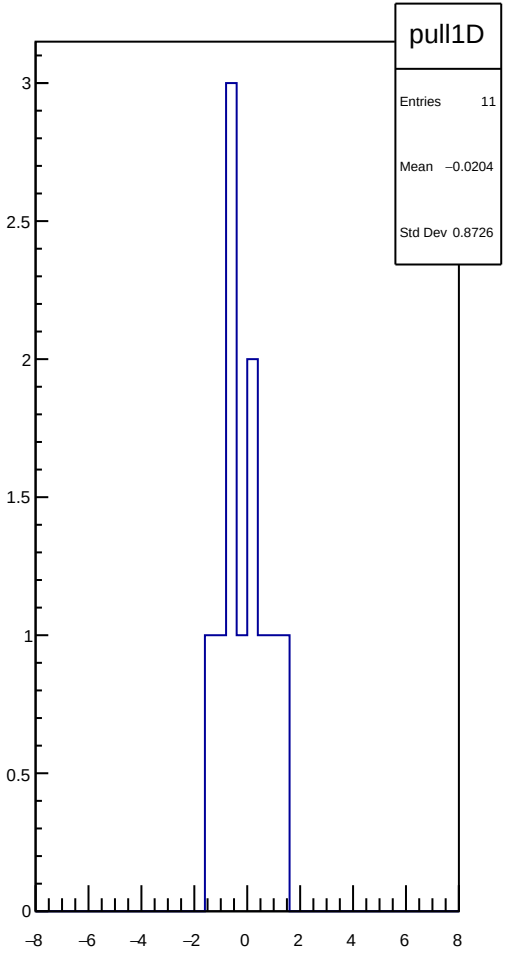

diff_cav4dX_mean vs run
×10^3
χ² / ndf 8.966 / 10
p0 −0.4038 ± 0.4918
1500
1000
500
0
−500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5463. 0
5463. 2
5576. 0

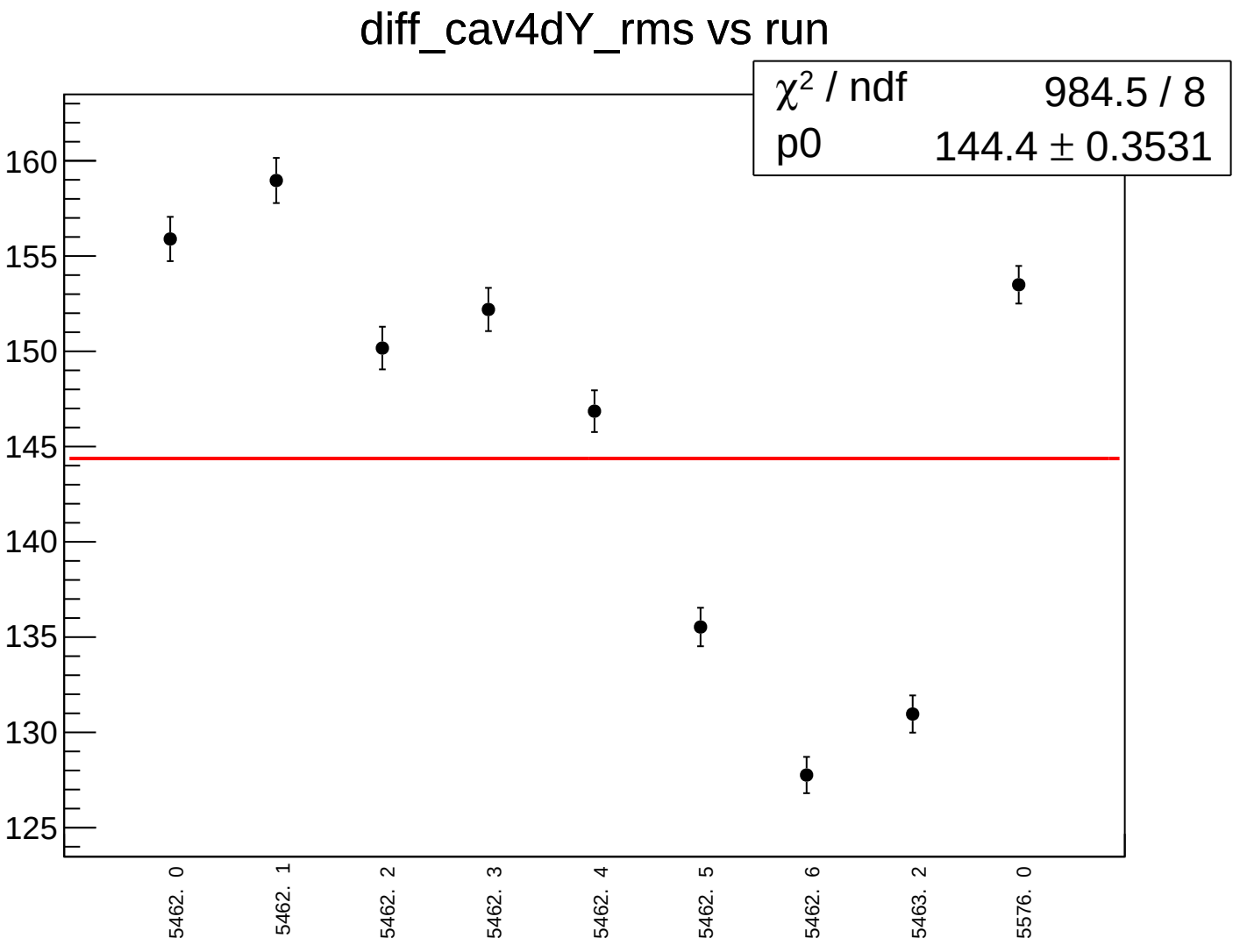

pull
Entries 11
Mean −0.8907
Std Dev 1.074
1.5
1
0.5
0
−0.5
−1
−1.5

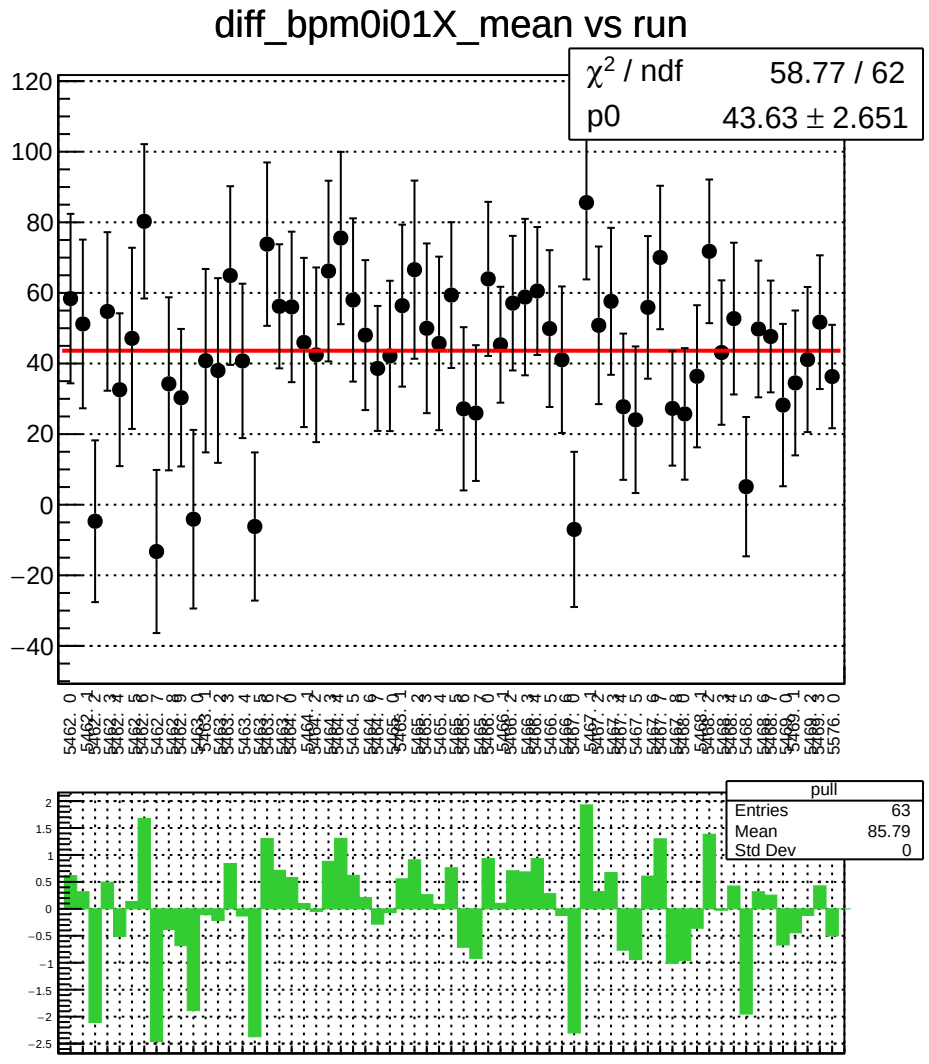

pull1D
Entries 11
Mean 0.02405
Std Dev 0.9025
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

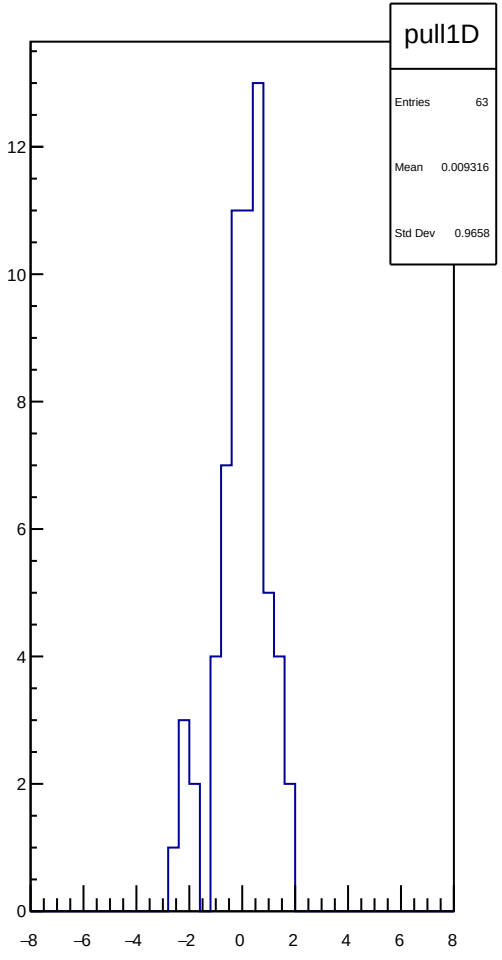

diff_cav4dX_rms vs run
χ² / ndf 530.2 / 8
p0 142.4 ± 0.3477
155
150
145
140
135
130
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5463. 2
5576. 0

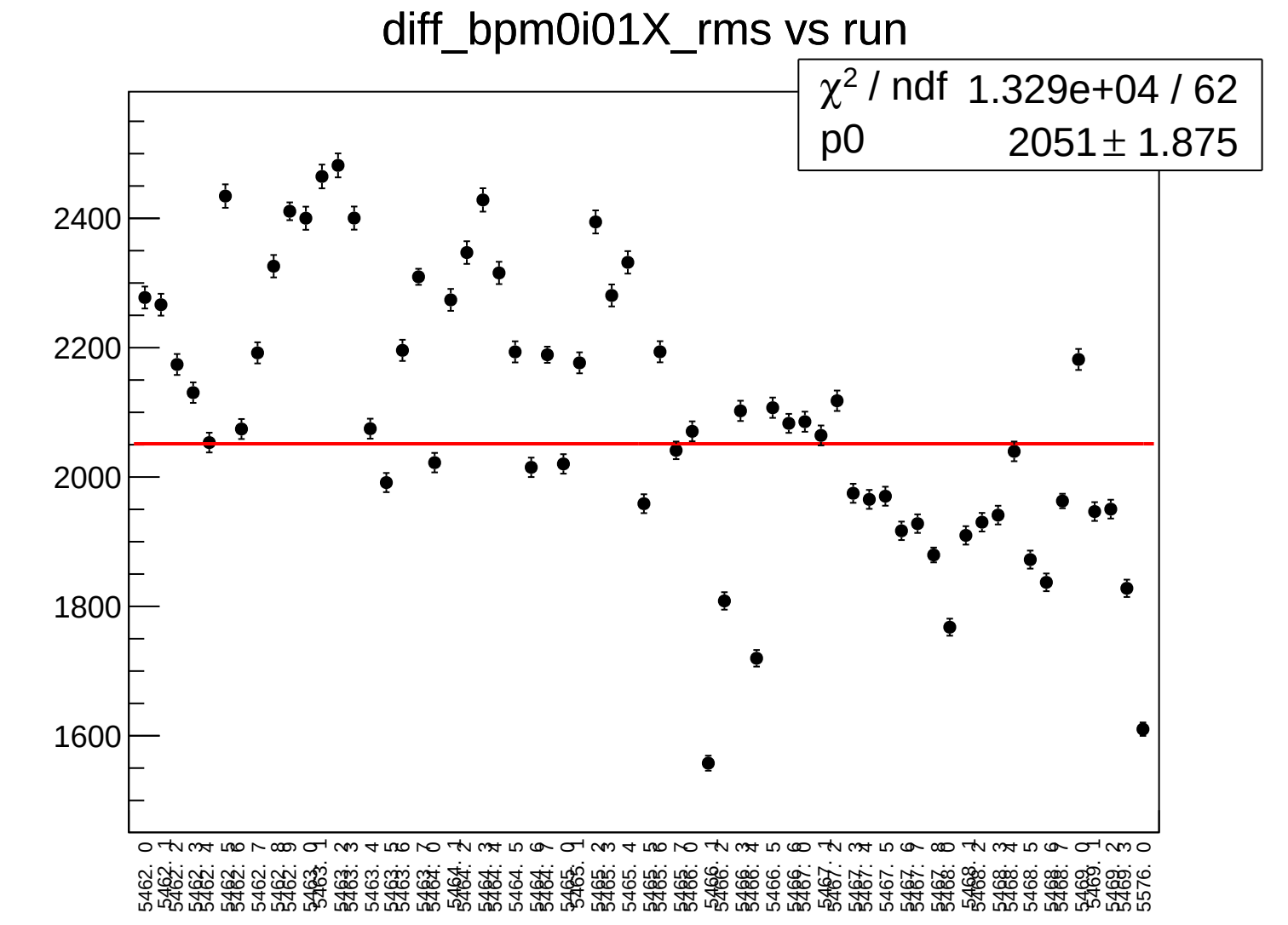

diff_cav4dY_mean vs run
×10^3
χ² / ndf 8.381 / 10
p0 −0.2341± 0.4993
500
0
−500
−1000
−1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5463. 0
5463. 2
5576. 0
pull
Entries 11
Mean 1.696
Std Dev 6.003
1.5
1
0.5
0
−0.5
−1
−1.5

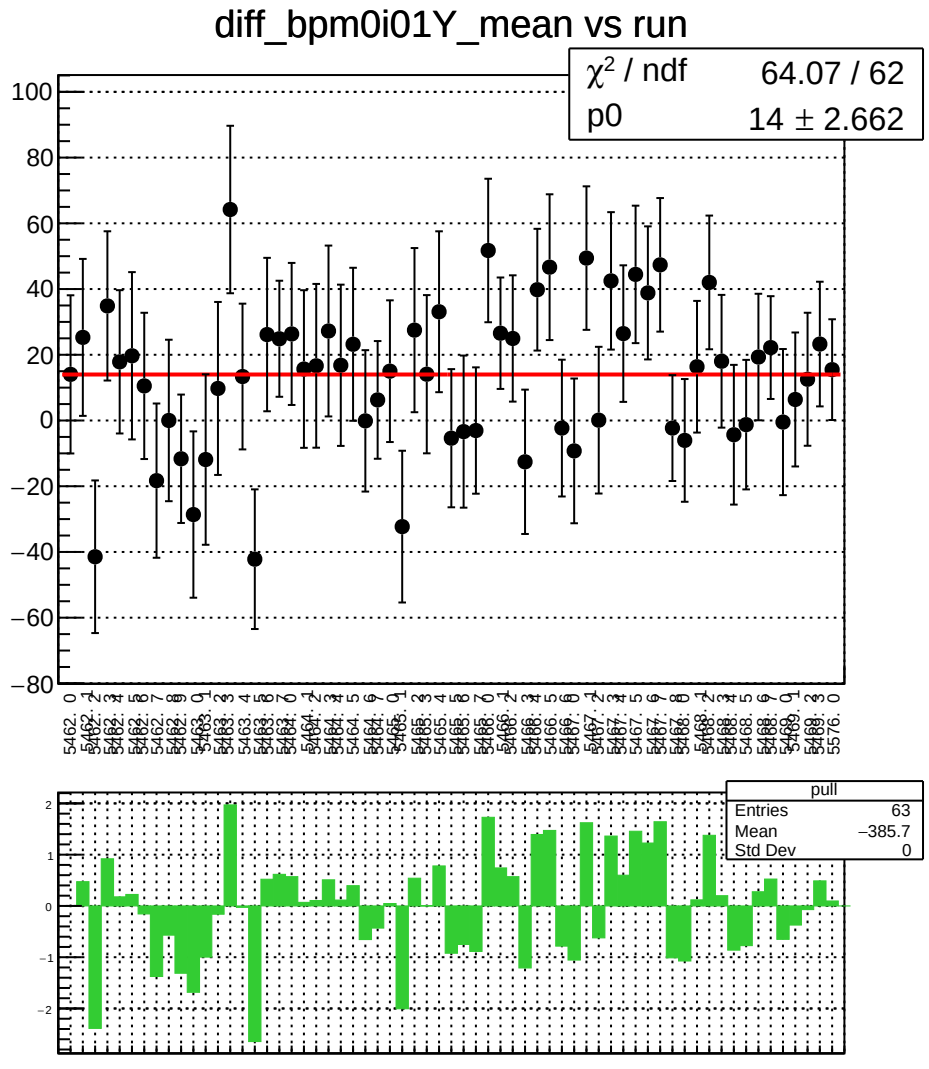

pull1D
Entries 11
Mean −0.0204
Std Dev 0.8726
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

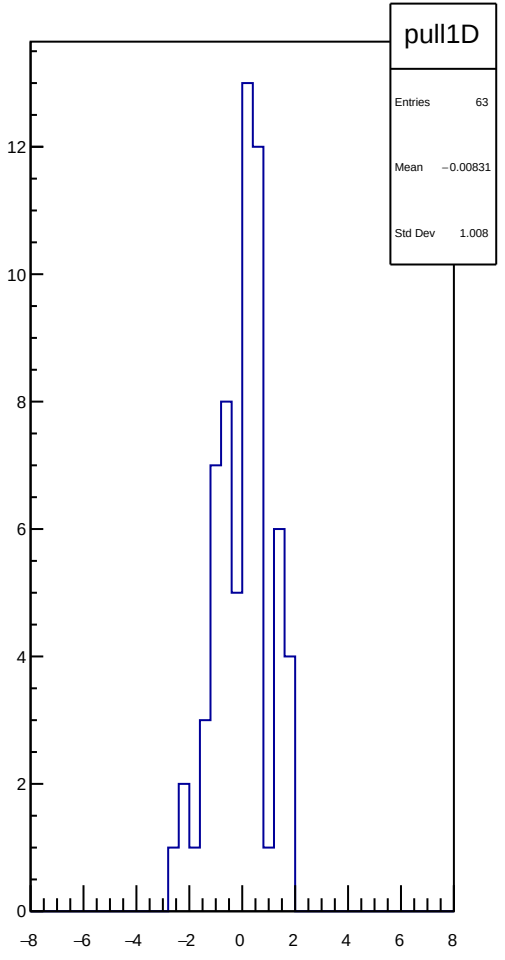

diff_cav4dY_rms vs run
χ² / ndf 984.5 / 8
p0 144.4 ± 0.3531
160
155
150
145
140
135
130
125
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5463. 2
5576. 0

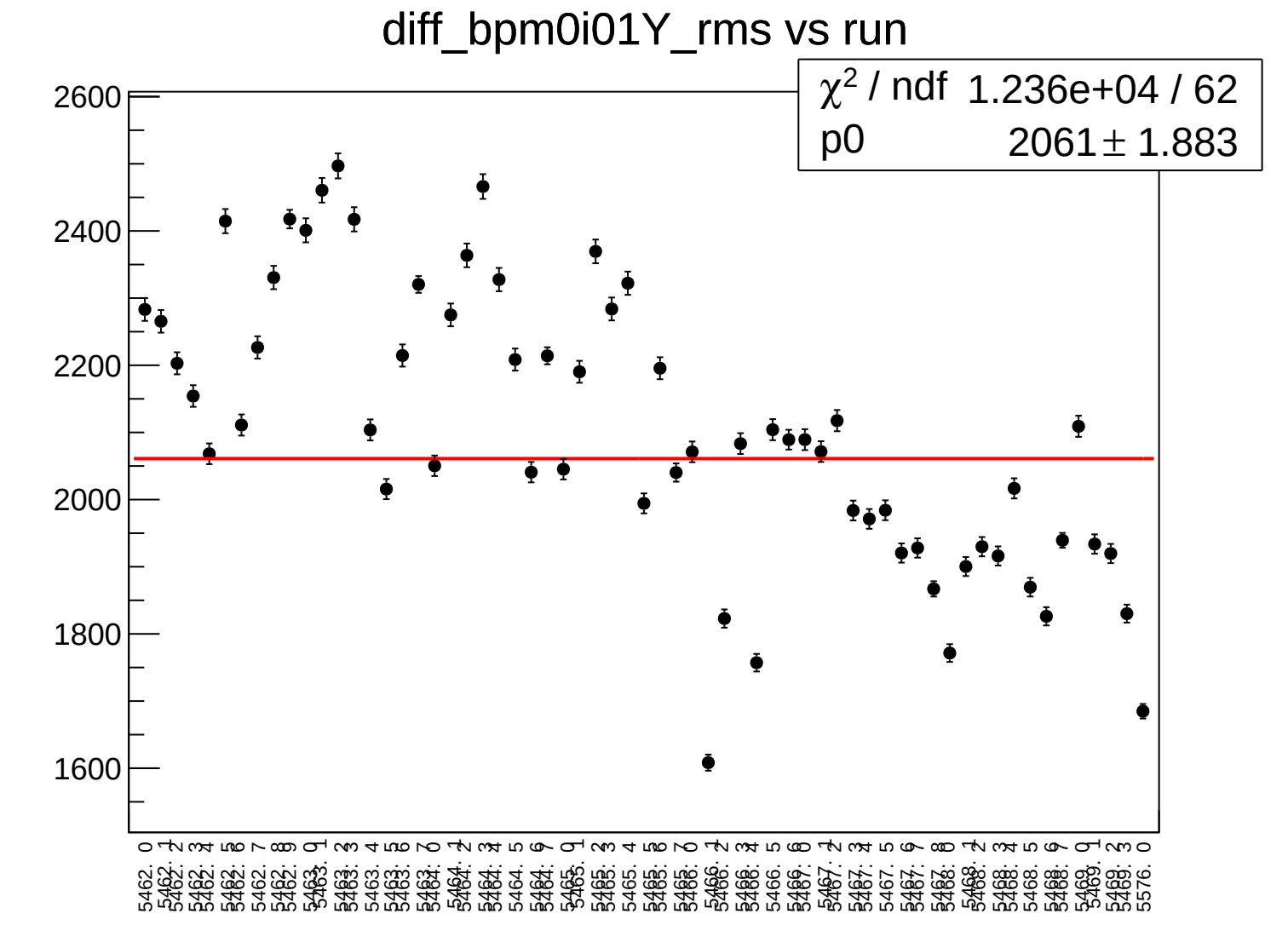

diff_bpm0i01X_mean vs run
χ^2 / ndf 58.77 / 62
p0 43.63 ± 2.651
pull
Entries 63
Mean 85.79
Std Dev 0

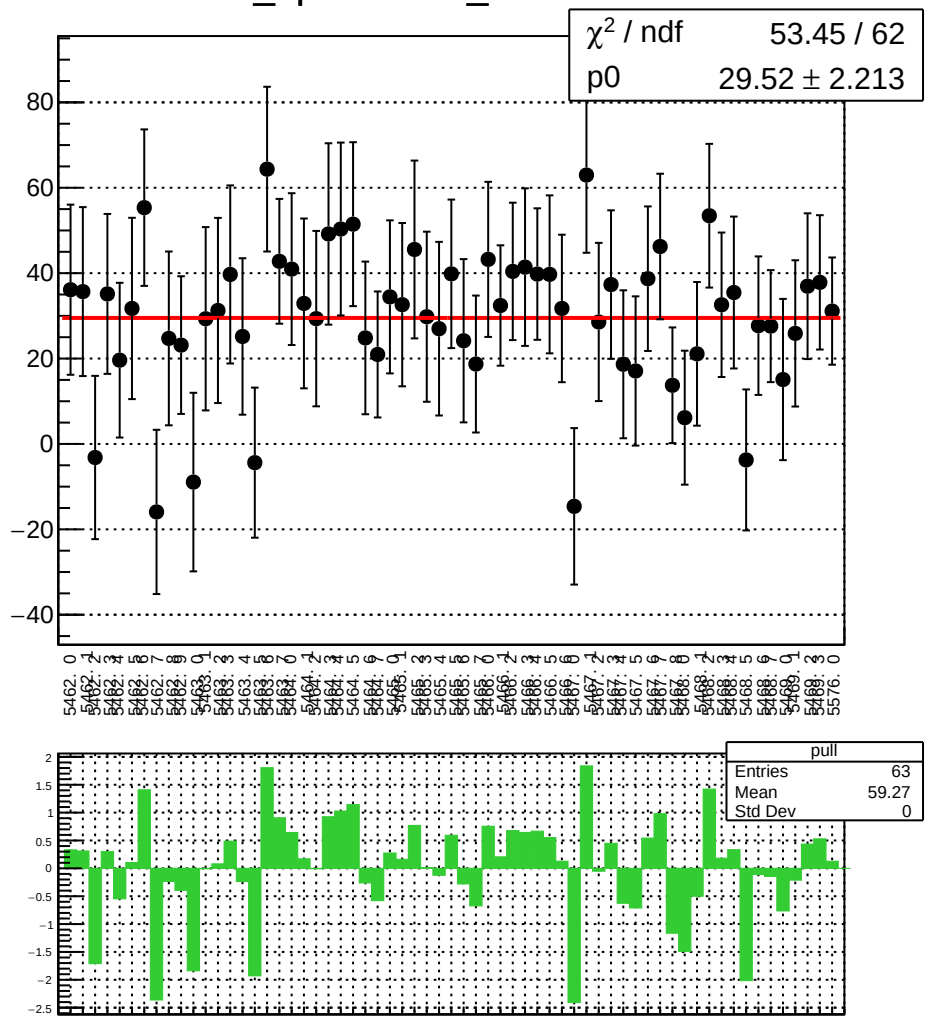

pull1D
Entries 63
Mean 0.009316
Std Dev 0.9658

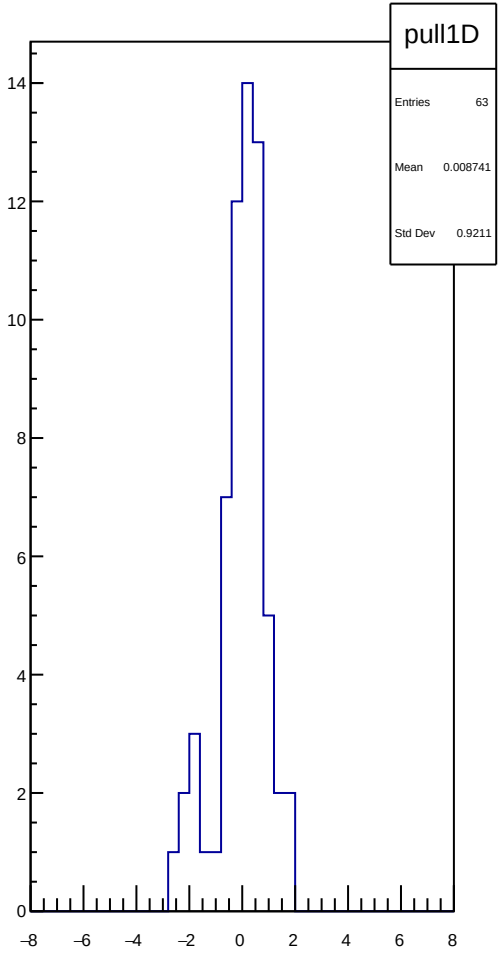

diff_bpm0i01X_rms vs run
χ² / ndf 1.329e+04 / 62
p0 2051 ± 1.875
2400
2200
2000
1800
1600

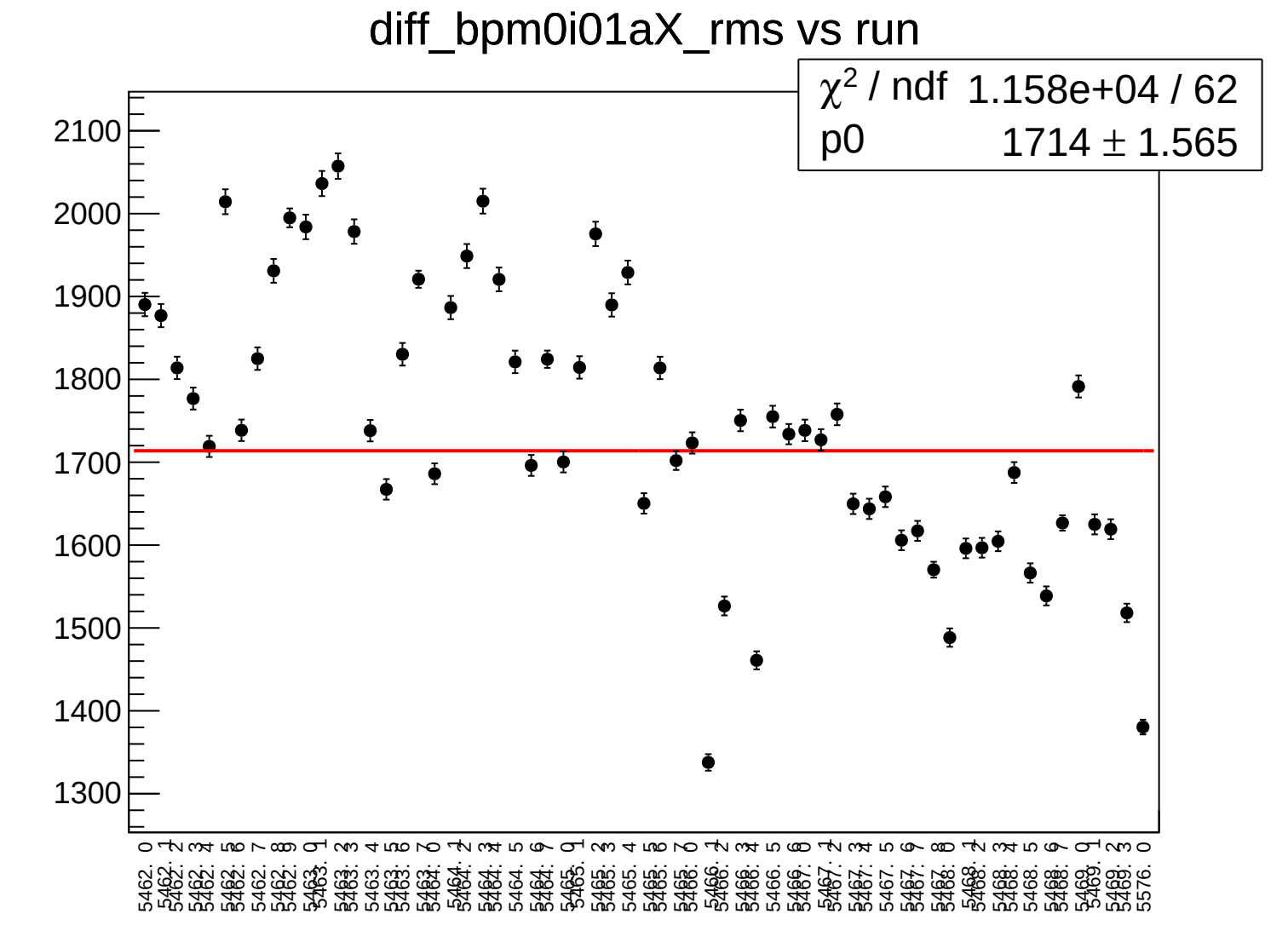

diff_bpm0i01Y_mean vs run
χ² / ndf 64.07 / 62
p0 14 ± 2.662
pull
Entries 63
Mean −385.7
Std Dev 0

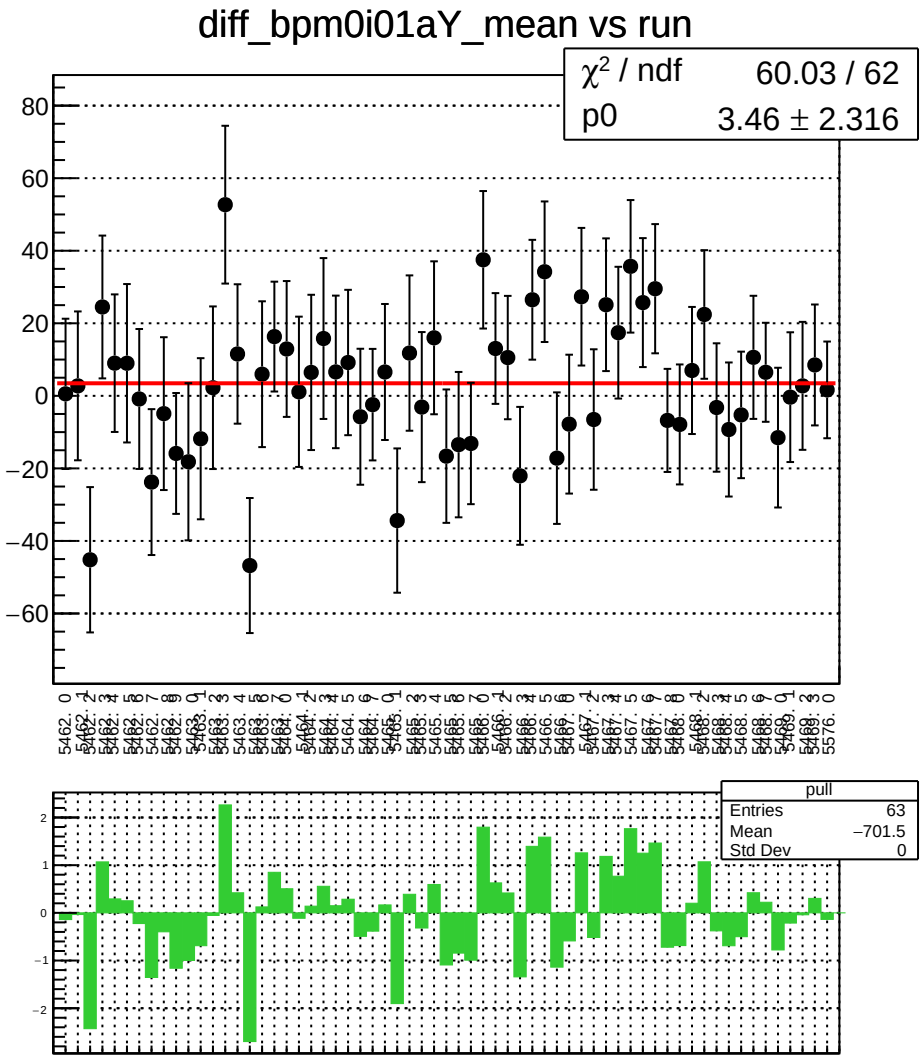

pull1D
Entries 63
Mean −0.00831
Std Dev 1.008

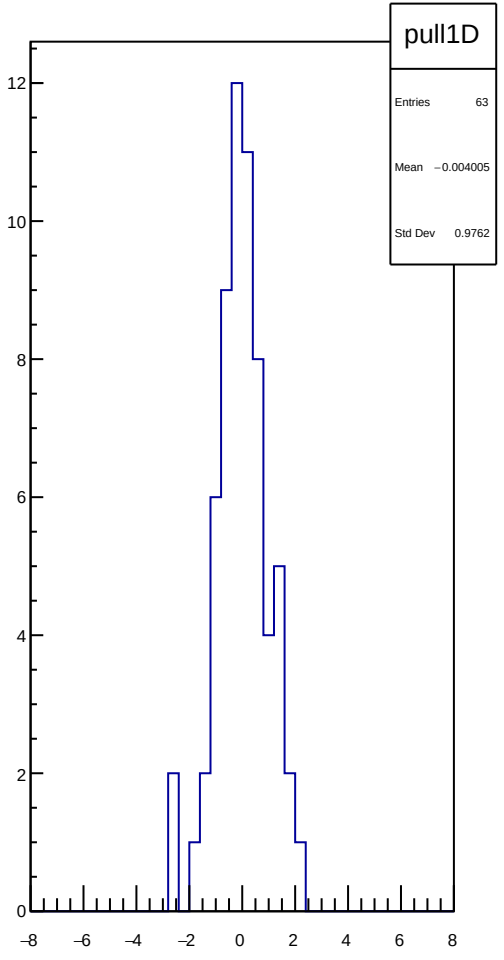

diff_bpm0i01Y_rms vs run
χ² / ndf 1.236e+04 / 62
p0 2061 ± 1.883
2600
2400
2200
2000
1800
1600

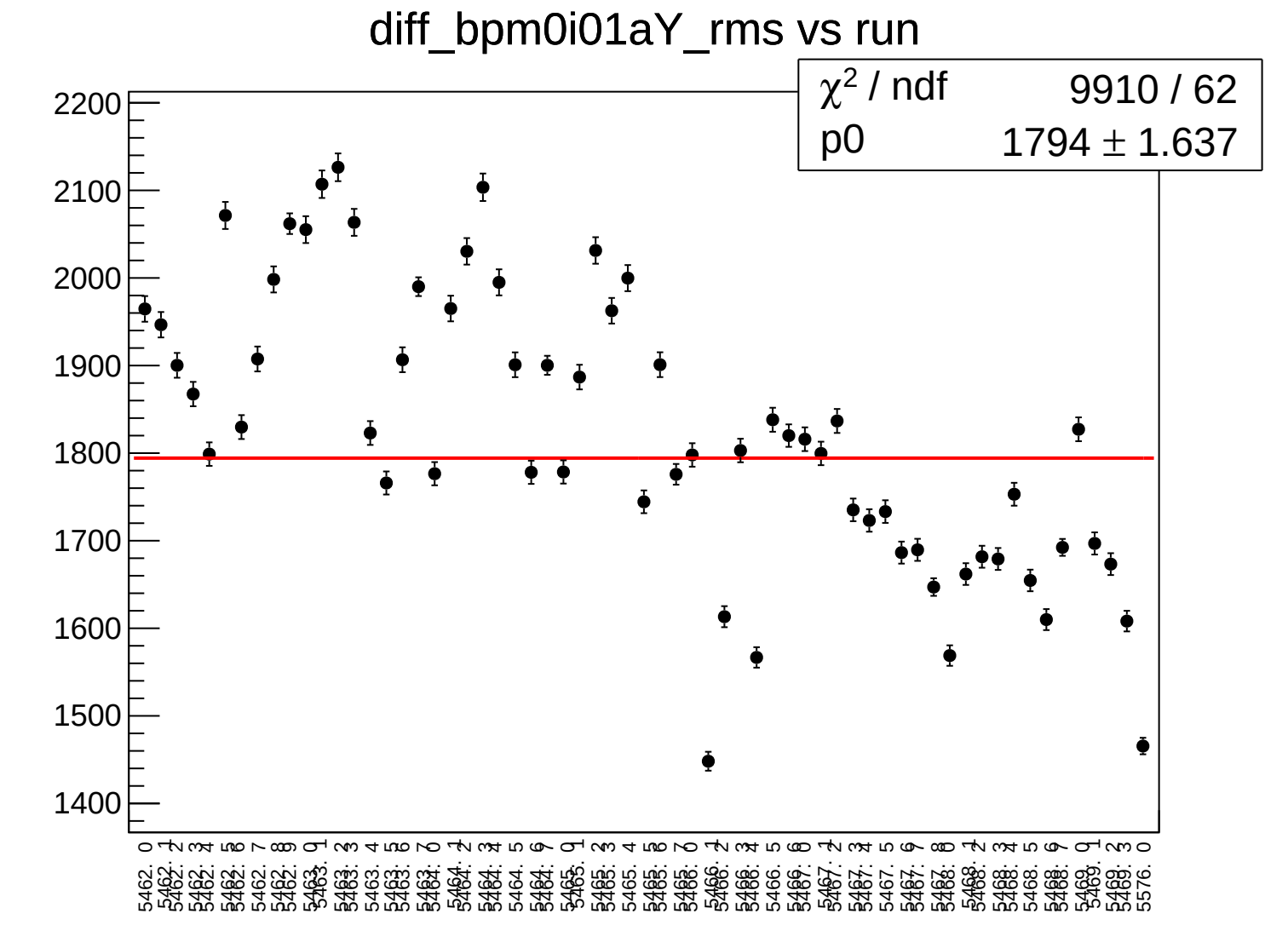

diff_bpm0i01aX_mean vs run
χ² / ndf 53.45 / 62
p0 29.52 ± 2.213
pull
Entries 63
Mean 59.27
Std Dev 0

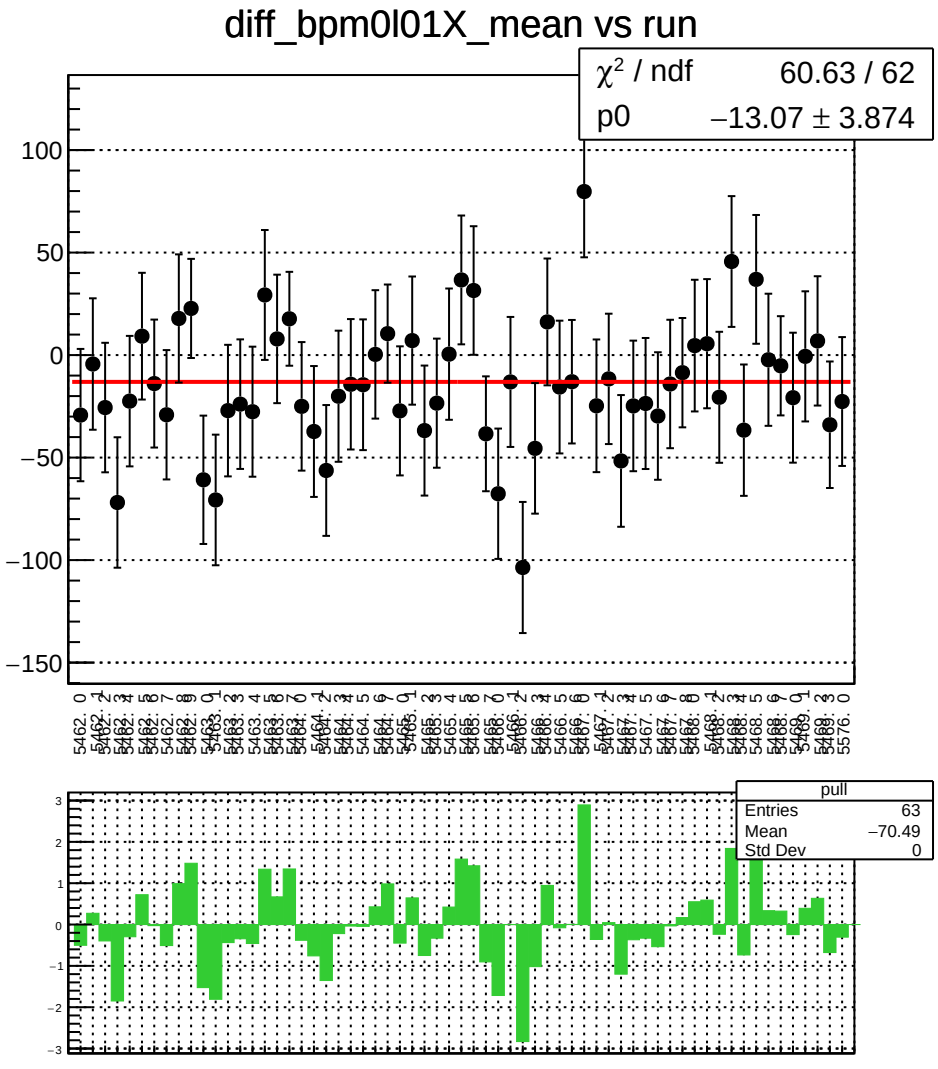

pull1D
Entries 63
Mean 0.008741
Std Dev 0.9211

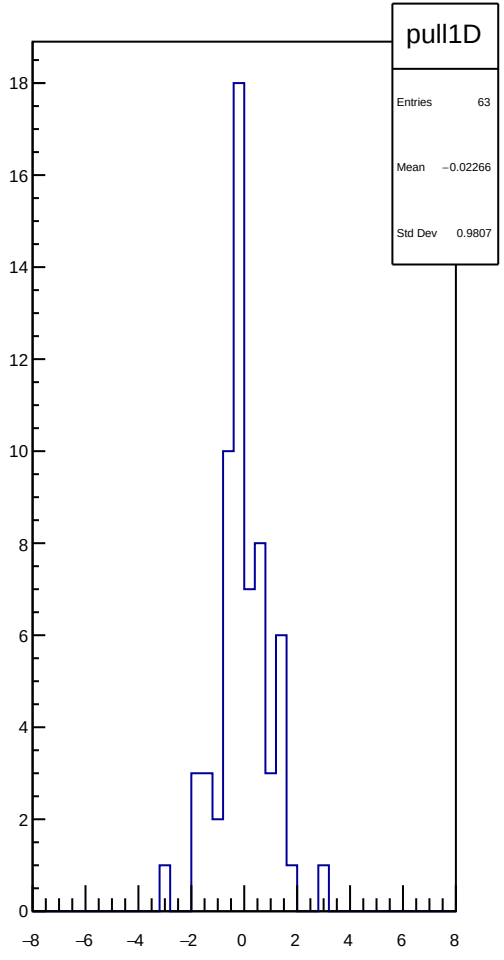

diff_bpm0i01aX_rms vs run
χ² / ndf 1.158e+04 / 62
p0 1714 ± 1.565
2100
2000
1900
1800
1700
1600
1500
1400
1300

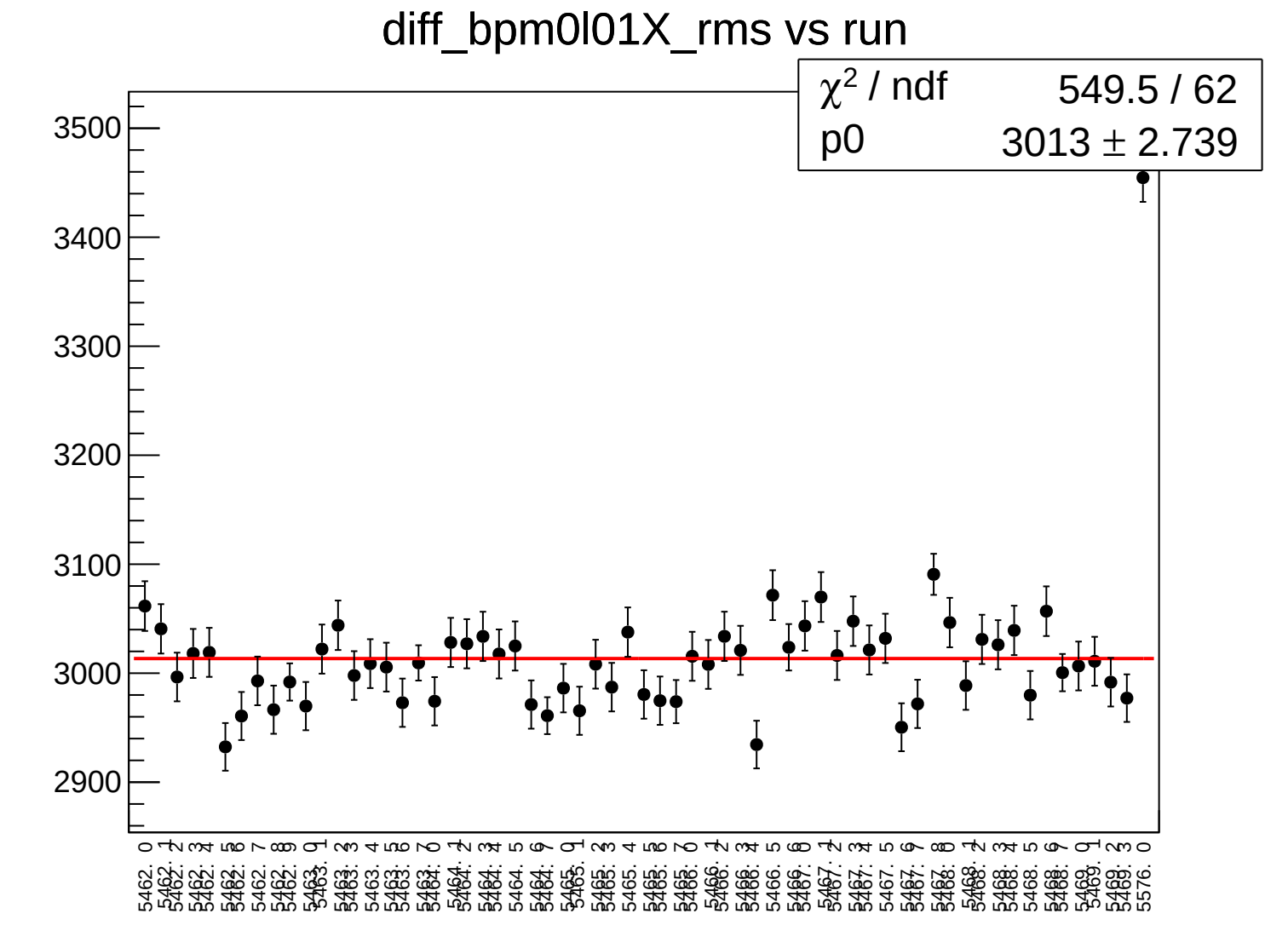

diff_bpm0i01aY_mean vs run
χ² / ndf 60.03 / 62
p0 3.46 ± 2.316
pull
Entries 63
Mean −701.5
Std Dev 0

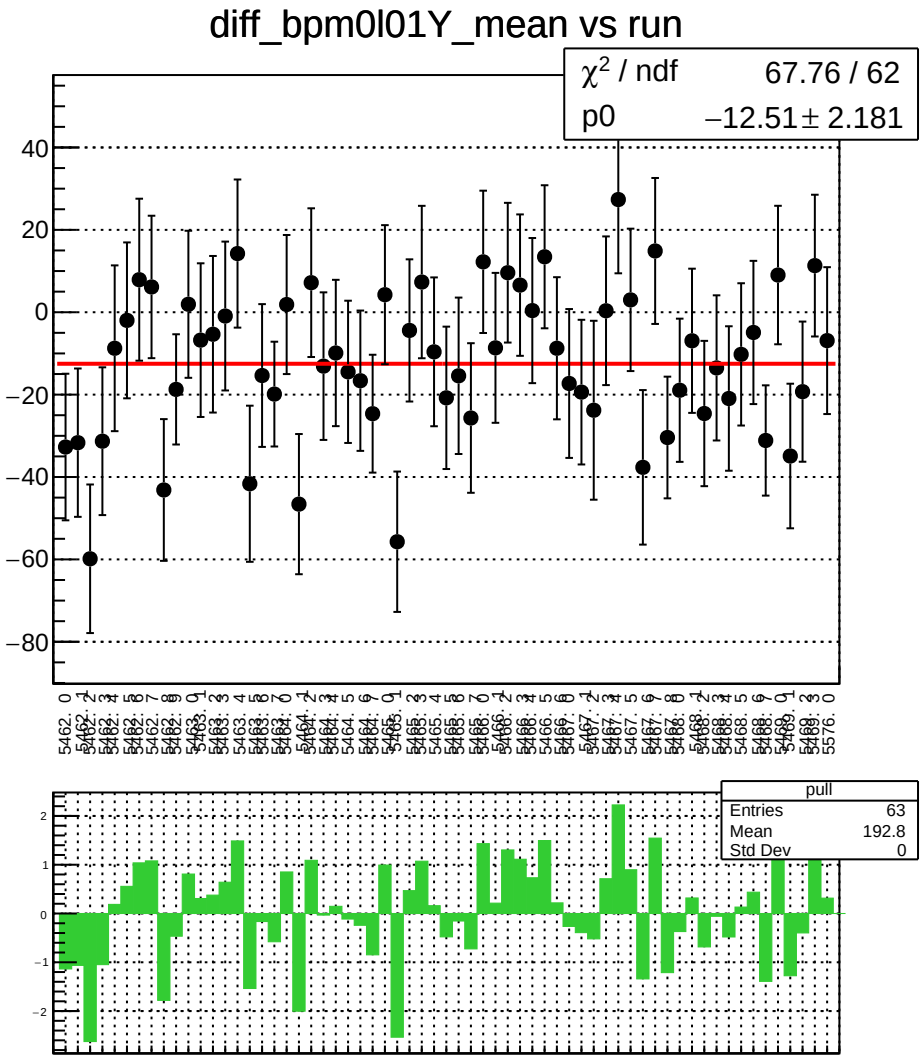

pull1D
Entries 63
Mean −0.004005
Std Dev 0.9762

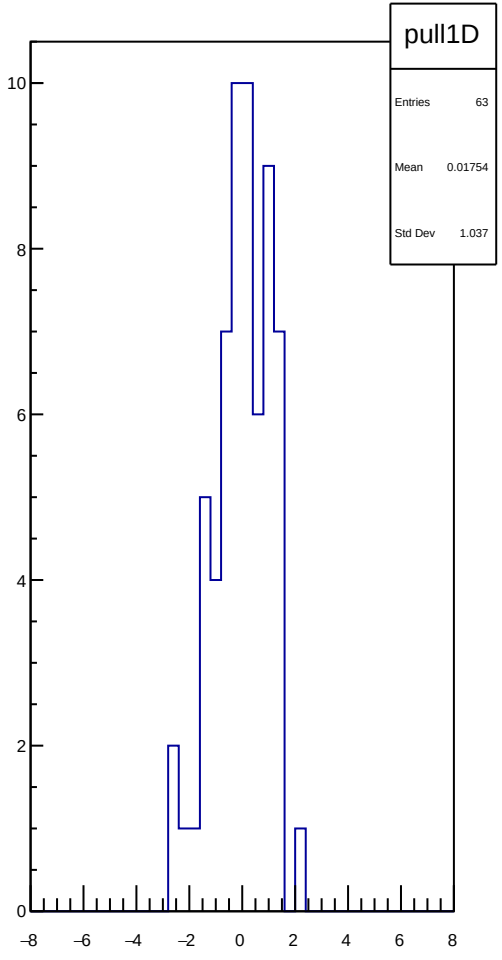

diff_bpm0i01aY_rms vs run
χ² / ndf 9910 / 62
p0 1794 ± 1.637
2200
2100
2000
1900
1800
1700
1600
1500
1400

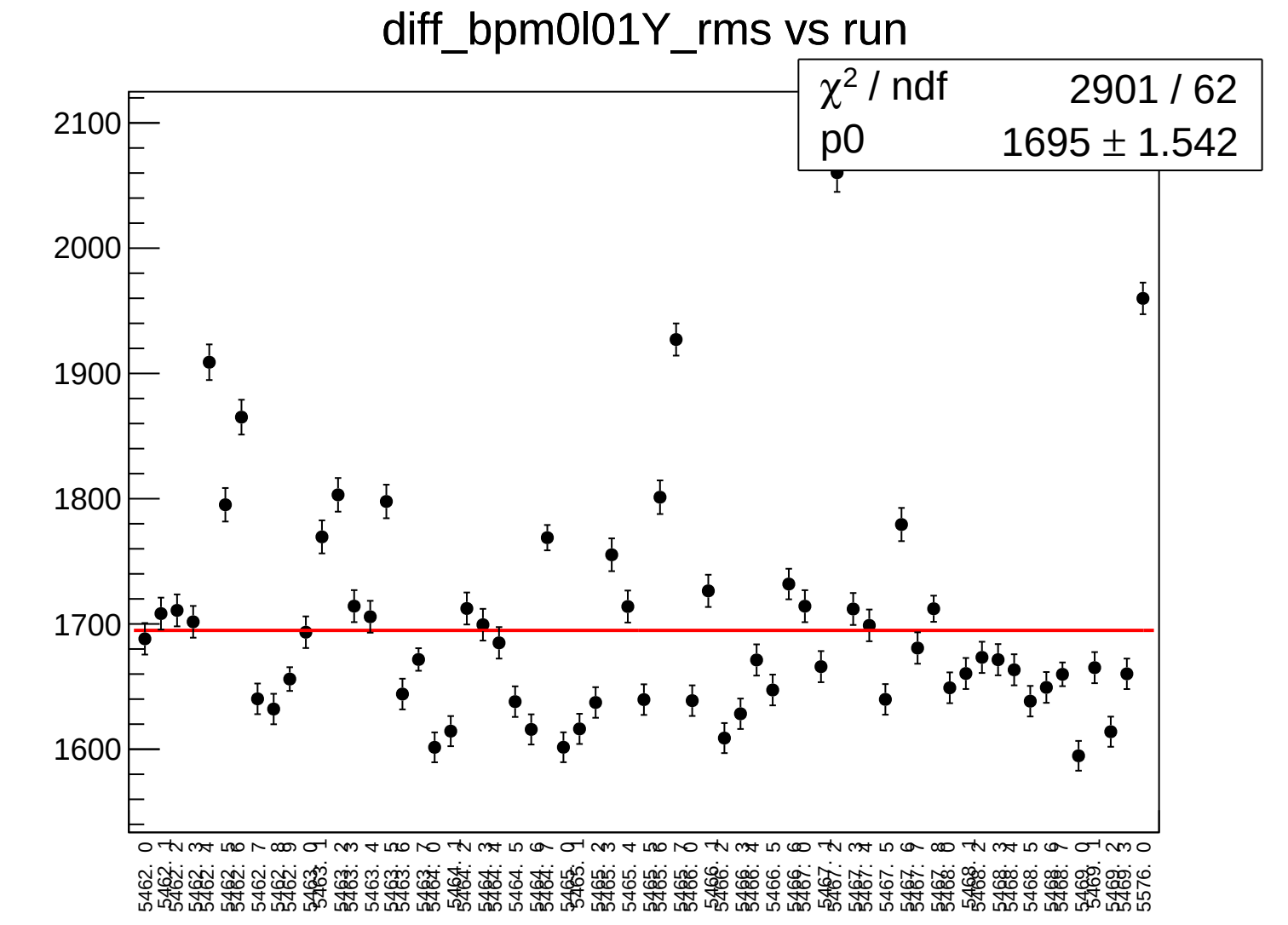

diff_bpm0l01X_mean vs run
χ² / ndf 60.63 / 62
p0 −13.07 ± 3.874
pull
Entries 63
Mean −70.49
Std Dev 0

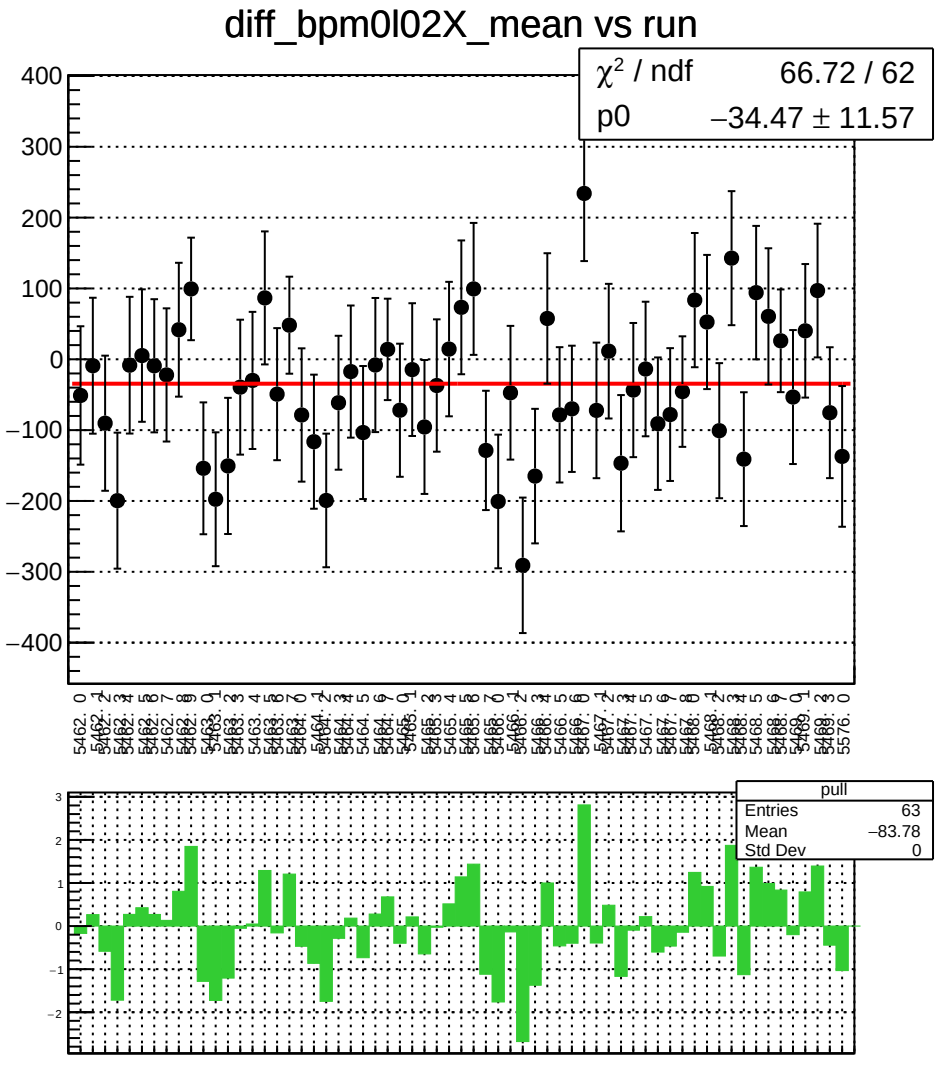

pull1D
Entries 63
Mean −0.02266
Std Dev 0.9807

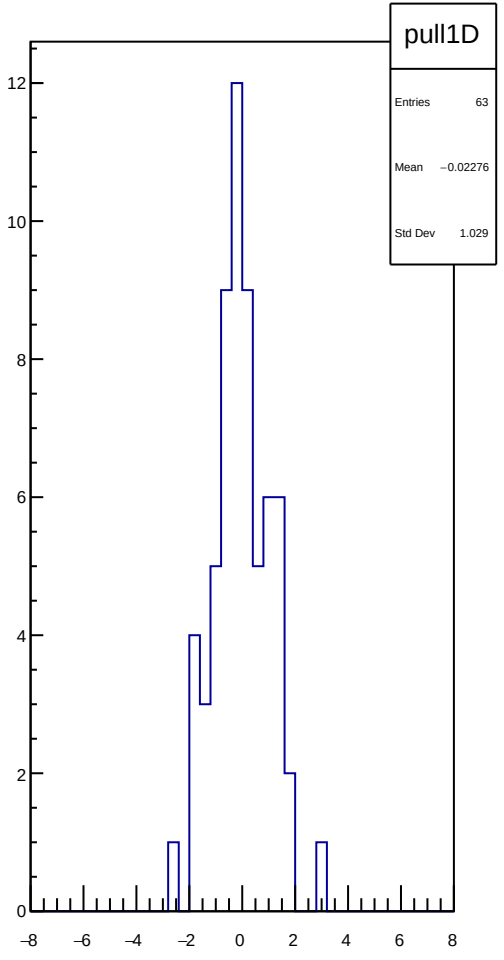

diff_bpm0l01X_rms vs run
χ² / ndf 549.5 / 62
p0 3013 ± 2.739
3500
3400
3300
3200
3100
3000
2900

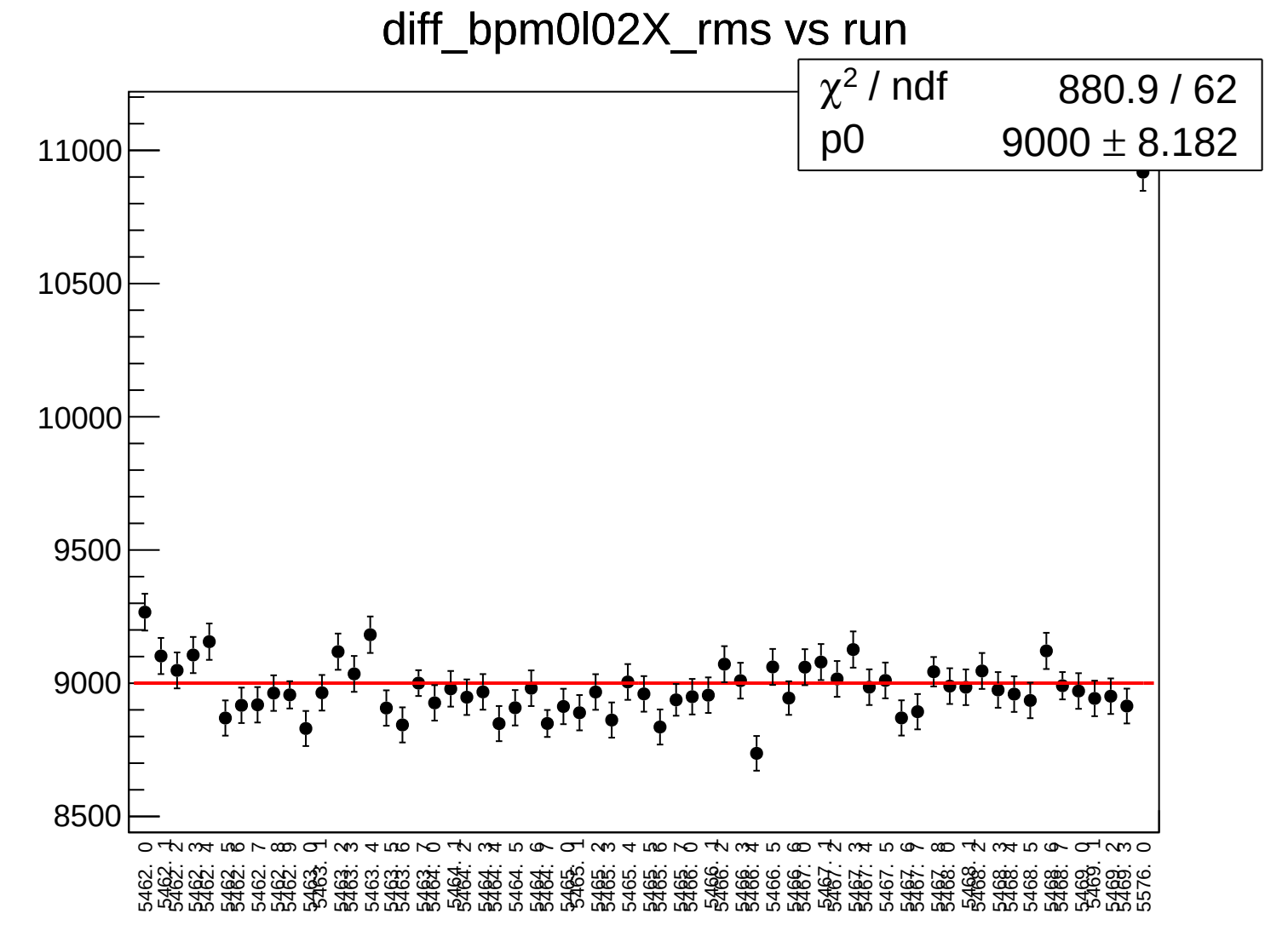

diff_bpm0l01Y_mean vs run
χ² / ndf 67.76 / 62
p0 −12.51 ± 2.181
pull
Entries 63
Mean 192.8
Std Dev 0


pull1D
Entries 63
Mean 0.01754
Std Dev 1.037


diff_bpm0l01Y_rms vs run
χ² / ndf 2901 / 62
p0 1695 ± 1.542
2100
2000
1900
1800
1700
1600


diff_bpm0l02X_mean vs run
χ² / ndf 66.72 / 62
p0 −34.47 ± 11.57
pull
Entries 63
Mean −83.78
Std Dev 0


pull1D
Entries 63
Mean −0.02276
Std Dev 1.029


diff_bpm0l02X_rms vs run
χ² / ndf 880.9 / 62
p0 9000 ± 8.182
11000
10500
10000
9500
9000
8500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
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5464. 2
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5464. 5
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5465. 0
5465. 1
5465. 2
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5465. 7
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5467. 2
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5468. 0
5468. 1
5468. 2
5468. 3
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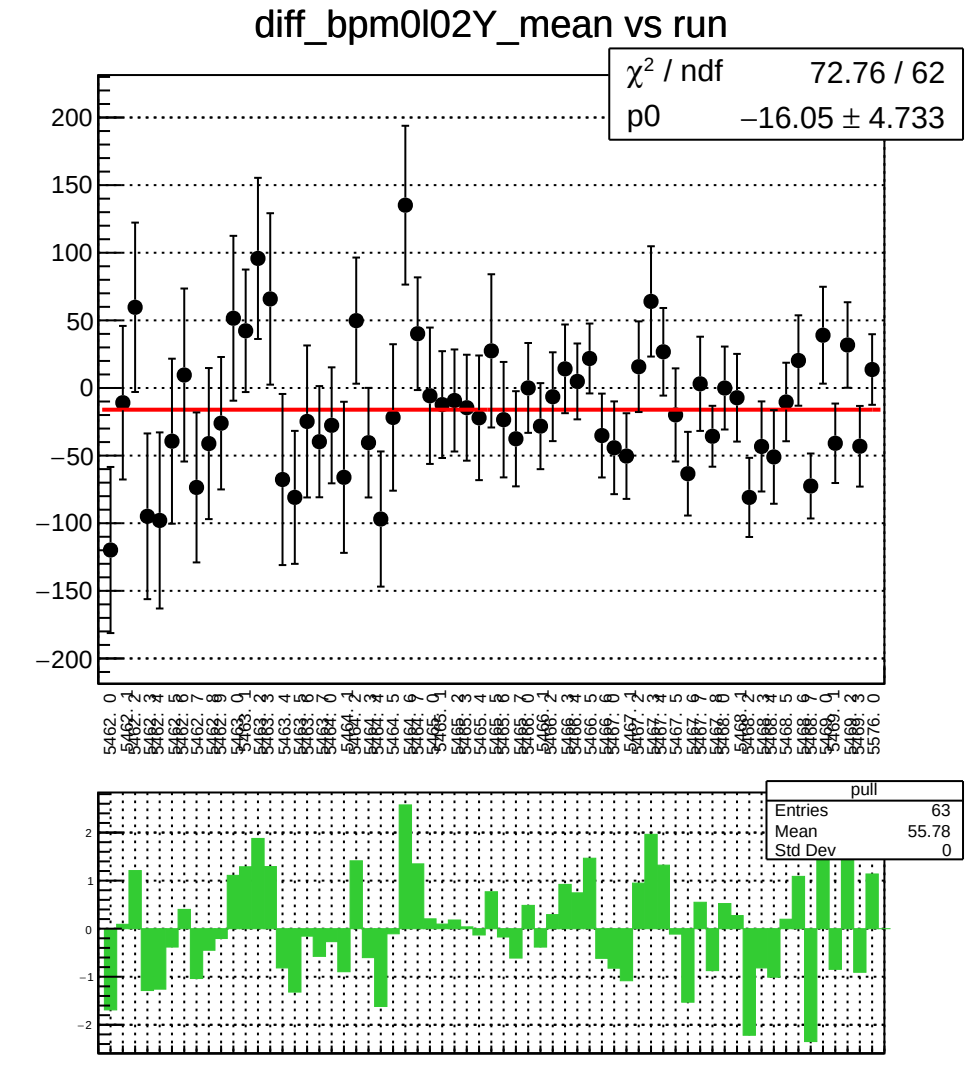
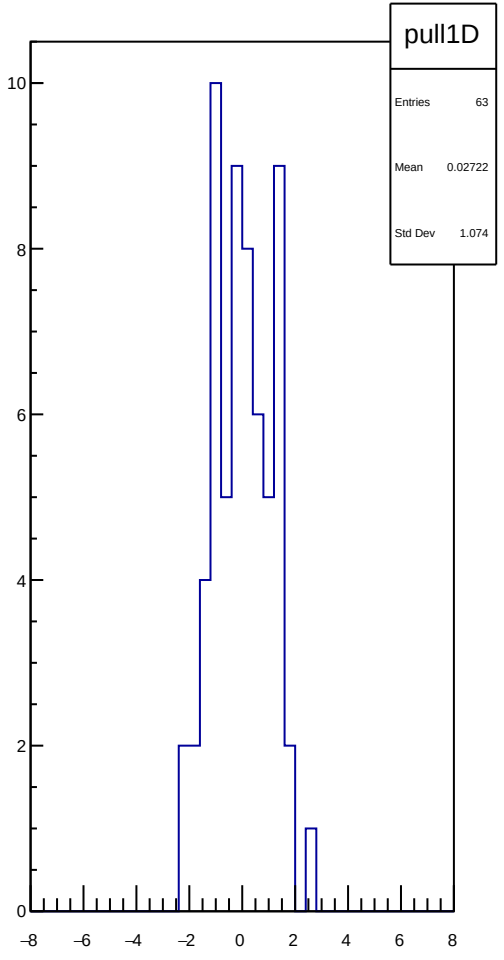
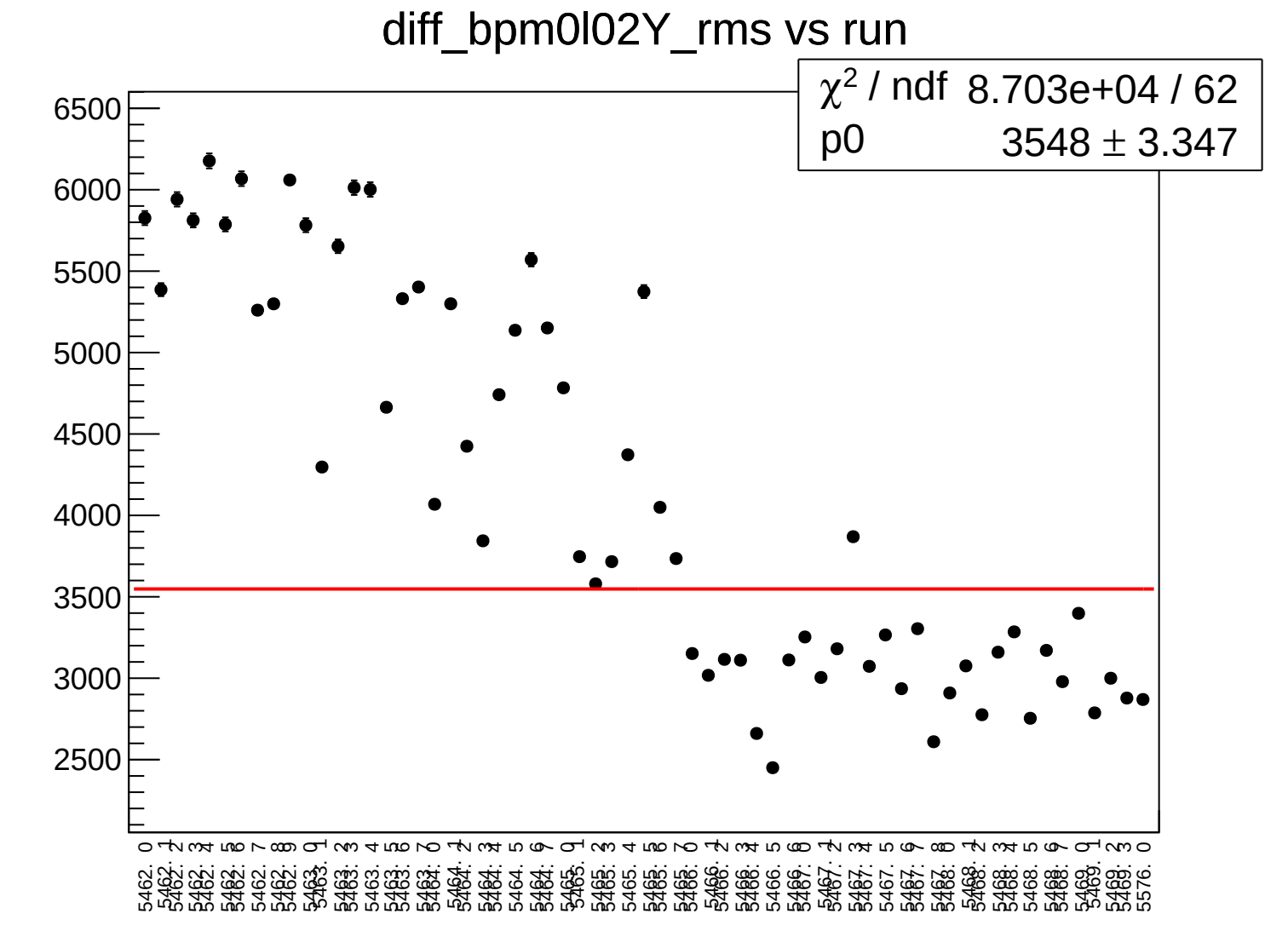
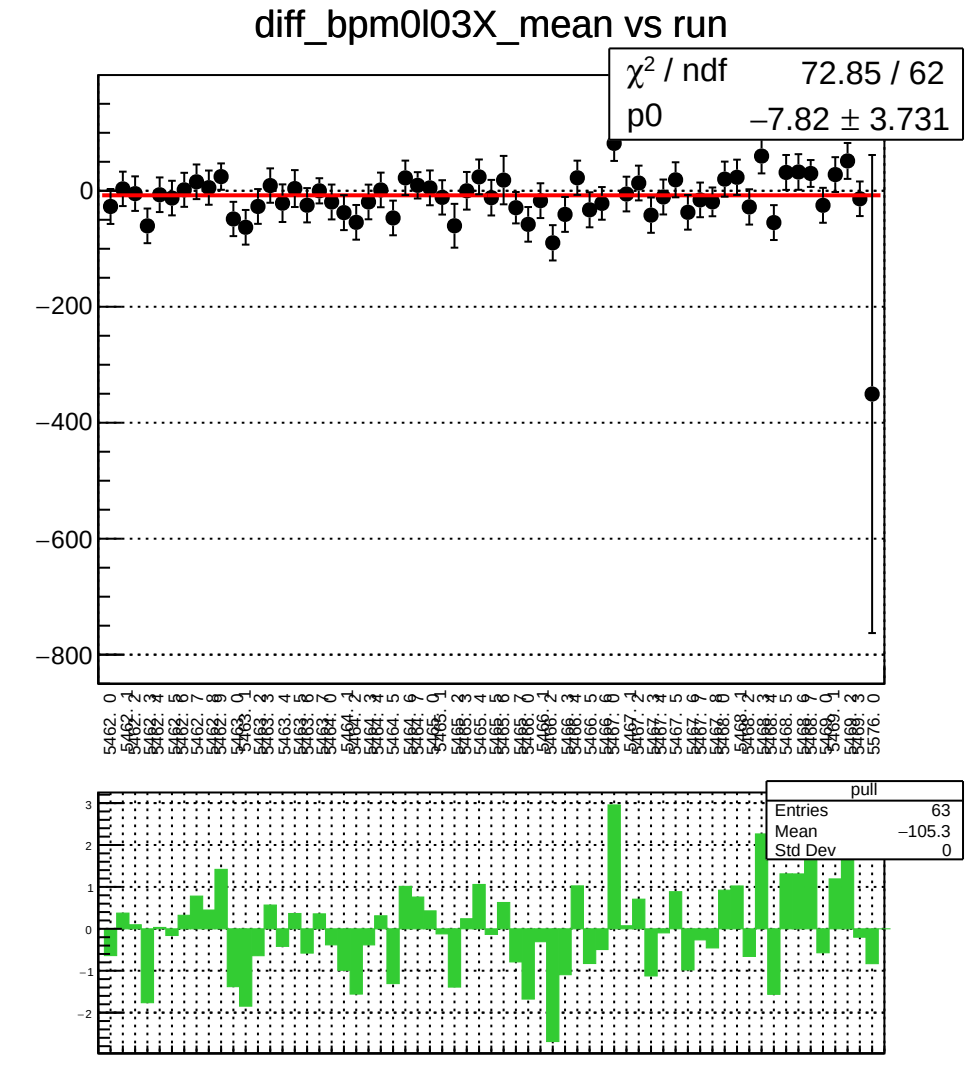
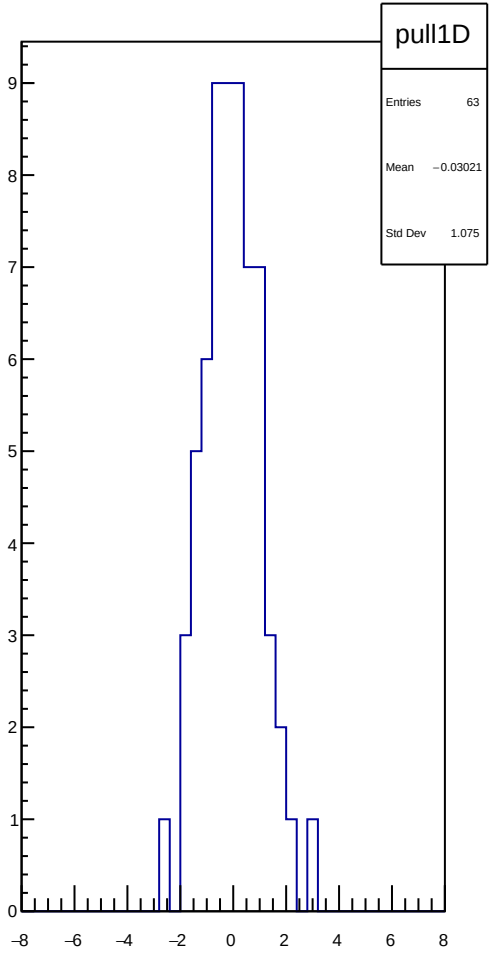
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

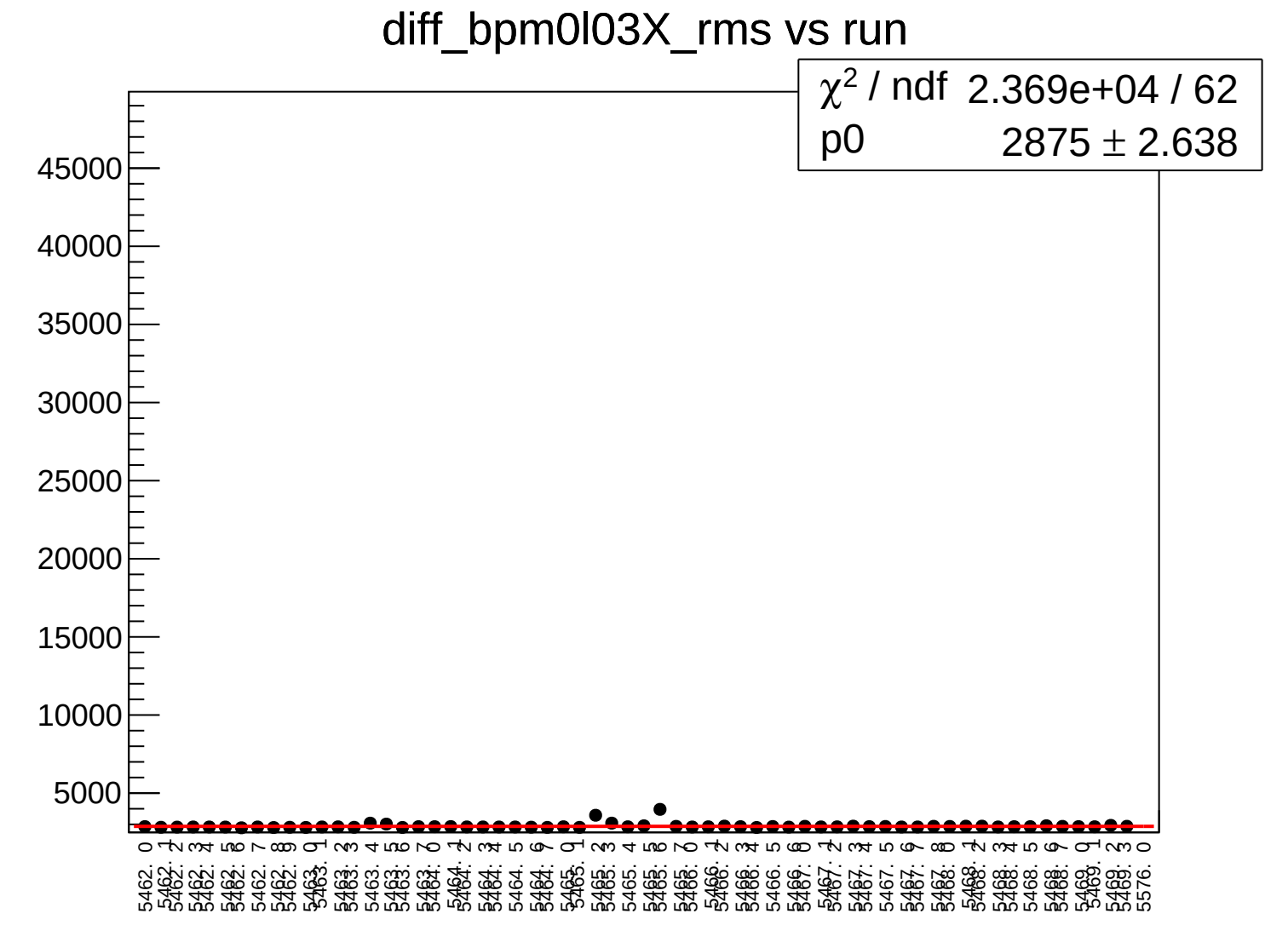

diff_bpm0l02Y_mean vs run
χ^2 / ndf 72.76 / 62
p0 −16.05 ± 4.733
pull
Entries 63
Mean 55.78
Std Dev 0

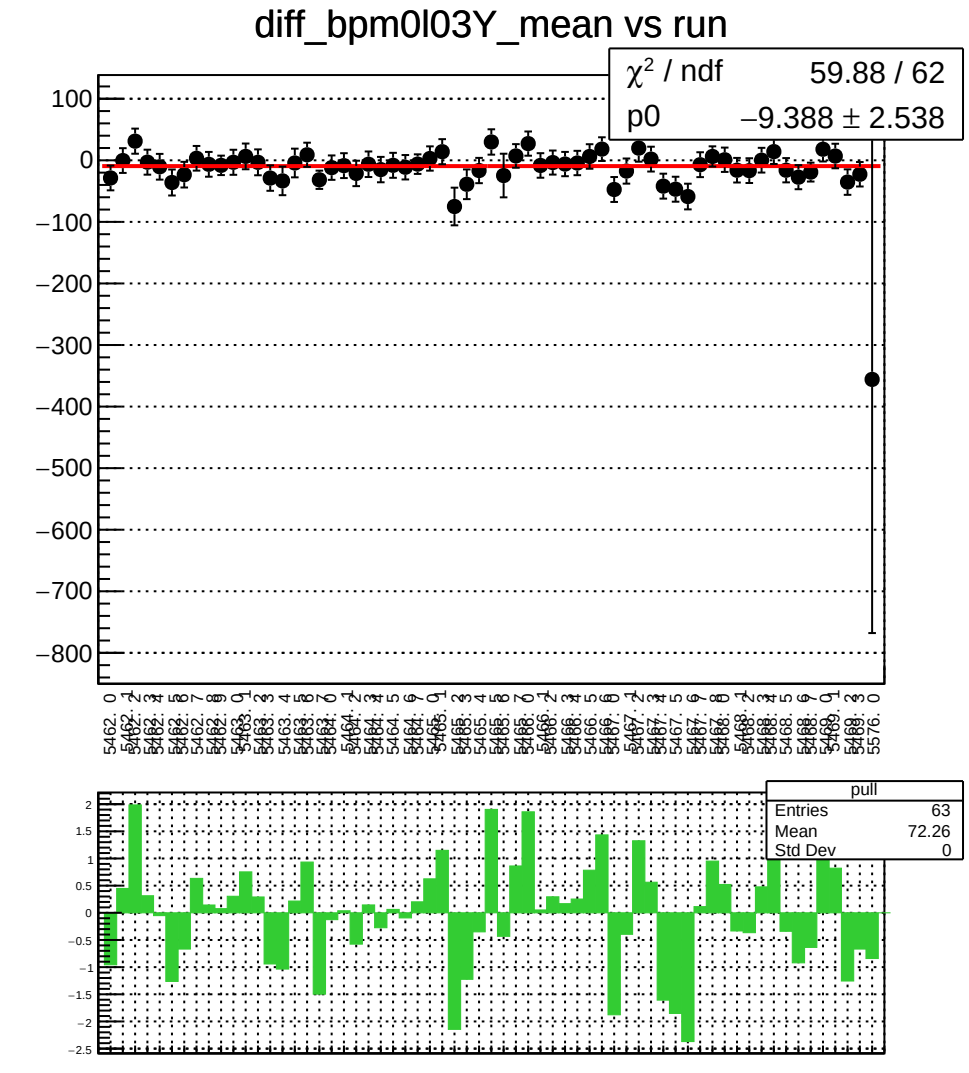

pull1D
Entries 63
Mean 0.02722
Std Dev 1.074

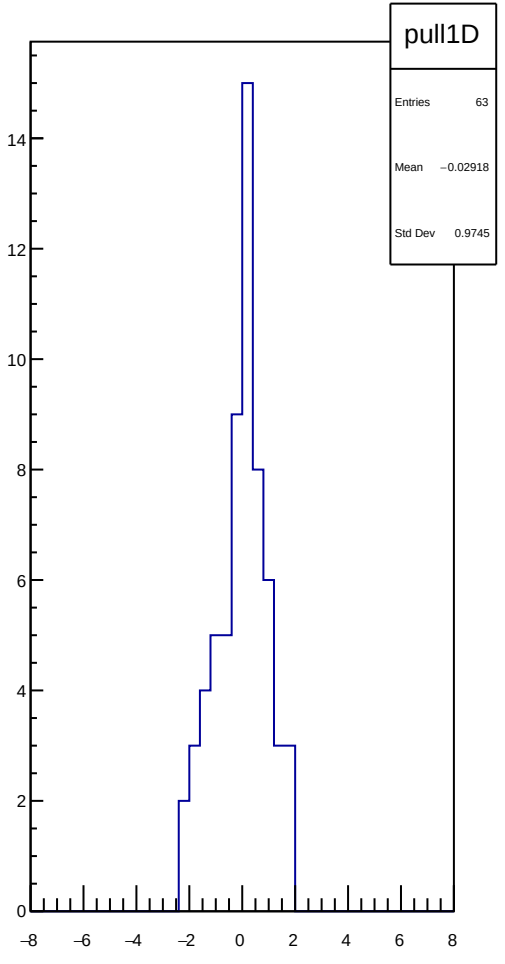

diff_bpm0l02Y_rms vs run
χ² / ndf 8.703e+04 / 62
p0 3548 ± 3.347
6500
6000
5500
5000
4500
4000
3500
3000
2500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

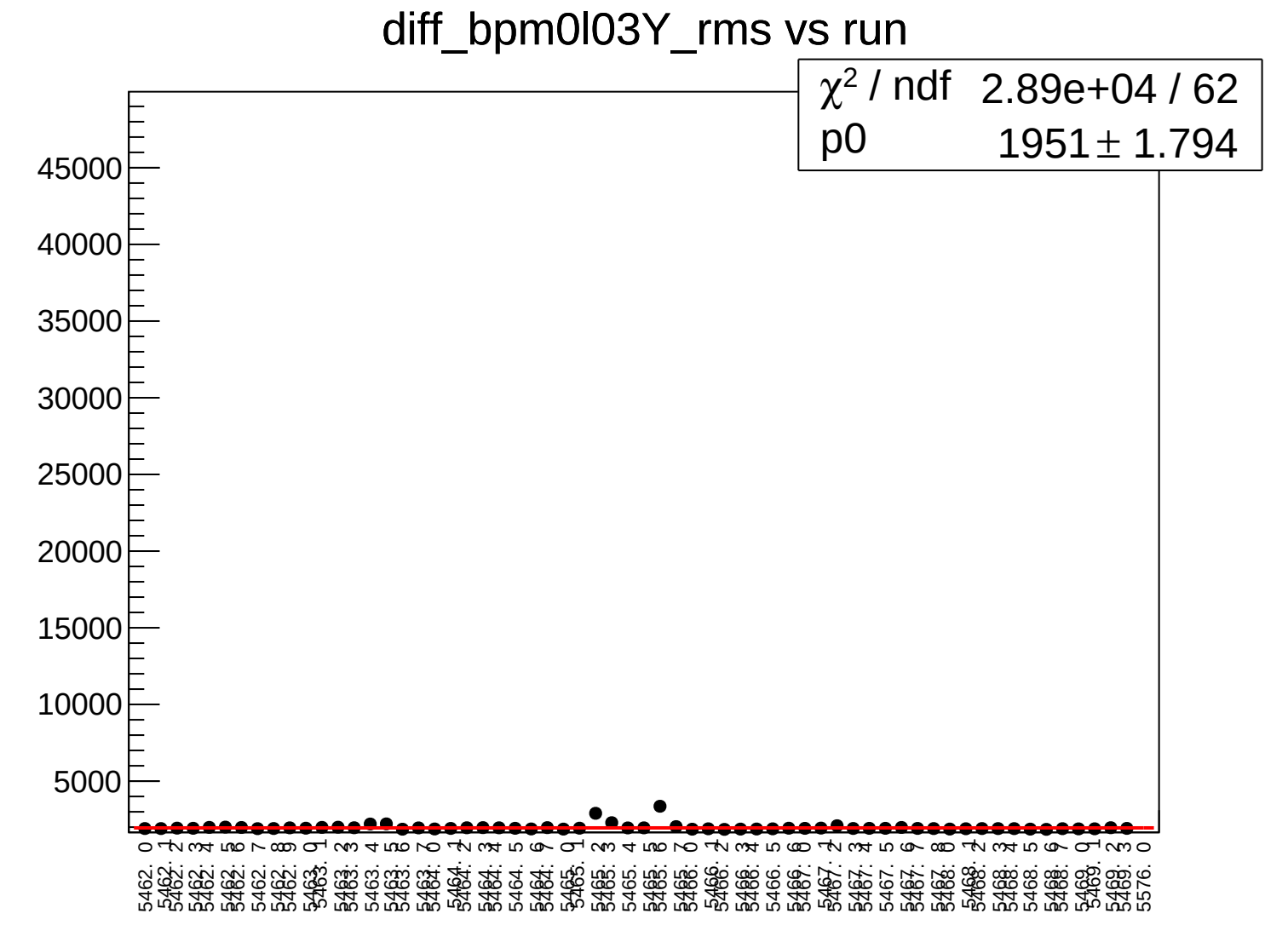

diff_bpm0l03X_mean vs run
χ² / ndf 72.85 / 62
p0 −7.82 ± 3.731
0
−200
−400
−600
−800
pull
Entries 63
Mean −105.3
Std Dev 0
3
2
1
0
−1
−2

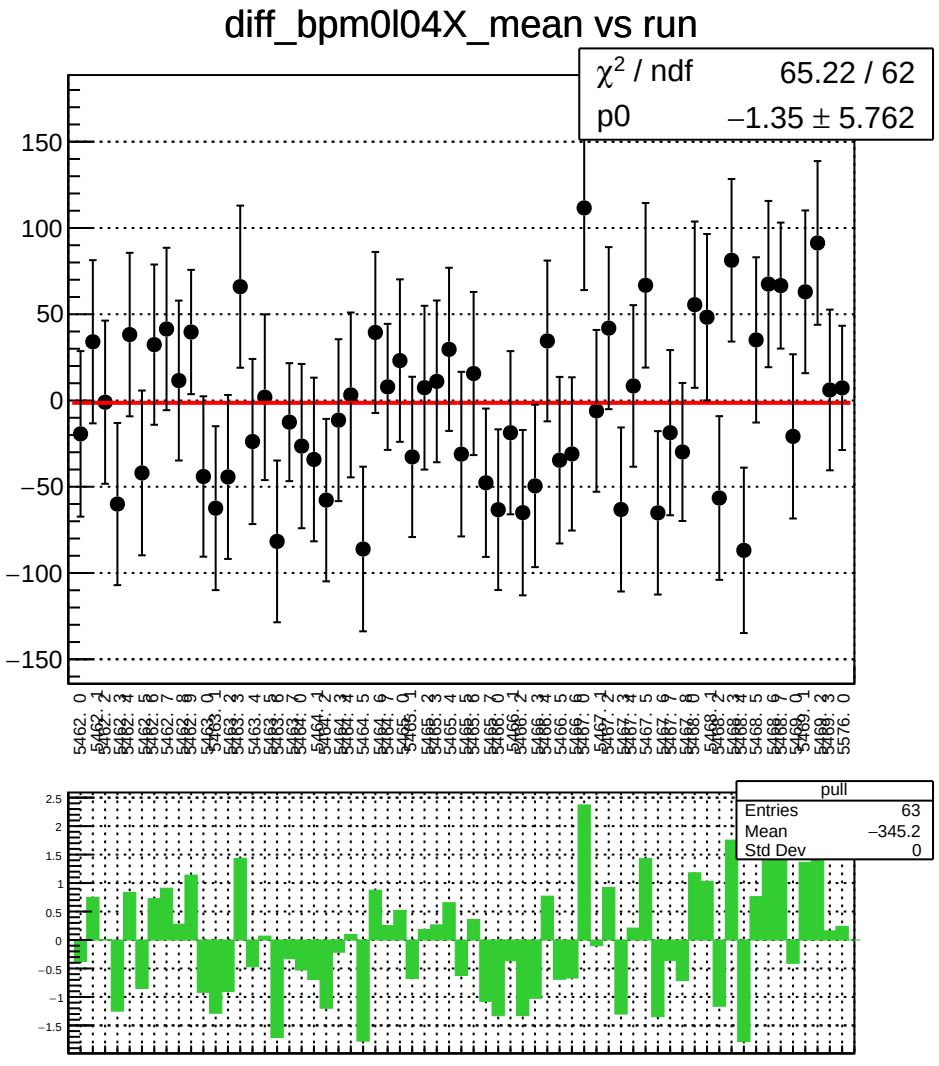

pull1D
Entries 63
Mean −0.03021
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

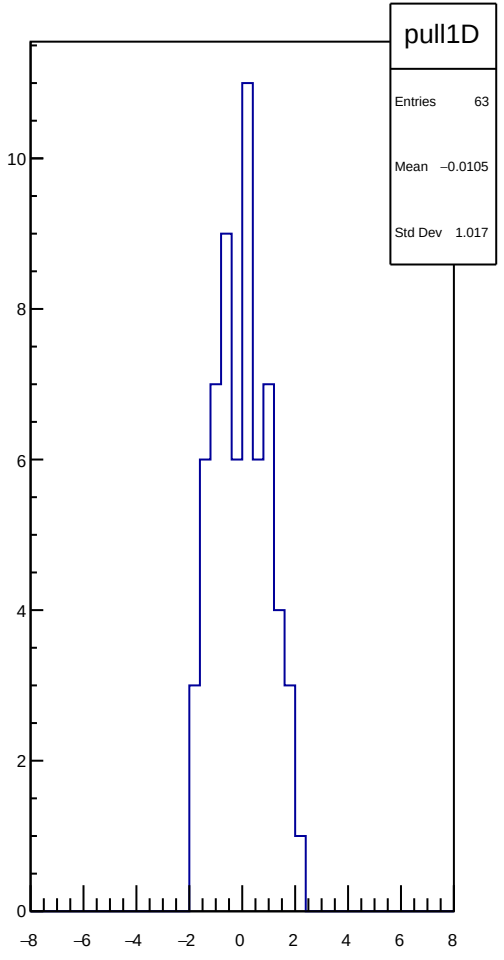

diff_bpm0l03X_rms vs run
χ^2 / ndf 2.369e+04 / 62
p0 2875 ± 2.638
45000
40000
35000
30000
25000
20000
15000
10000
5000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5463. 9
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5464. 9
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5465. 9
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5466. 8
5466. 9
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5467. 9
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5468. 9
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

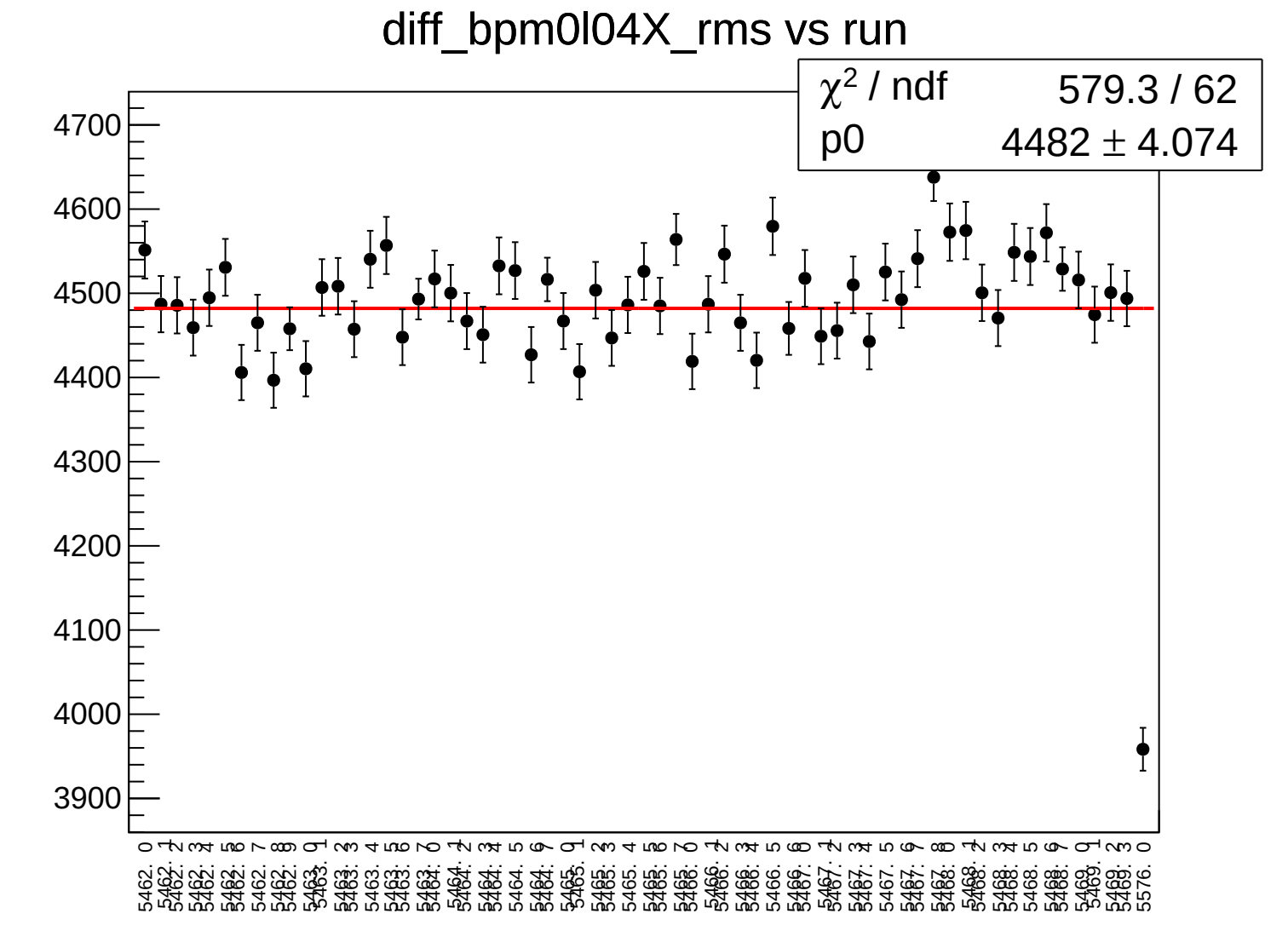

diff_bpm0l03Y_mean vs run
χ² / ndf 59.88 / 62
p0 −9.388 ± 2.538
pull
Entries 63
Mean 72.26
Std Dev 0

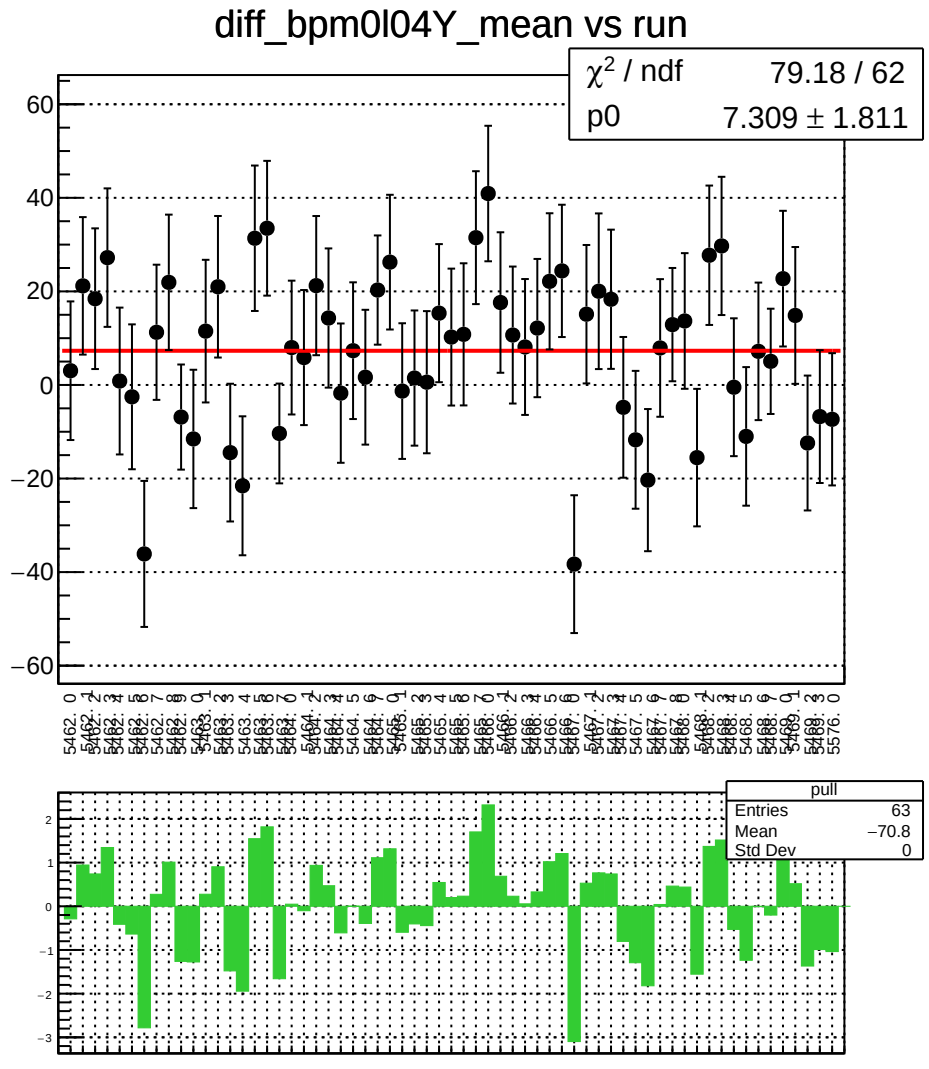

pull1D
Entries 63
Mean −0.02918
Std Dev 0.9745

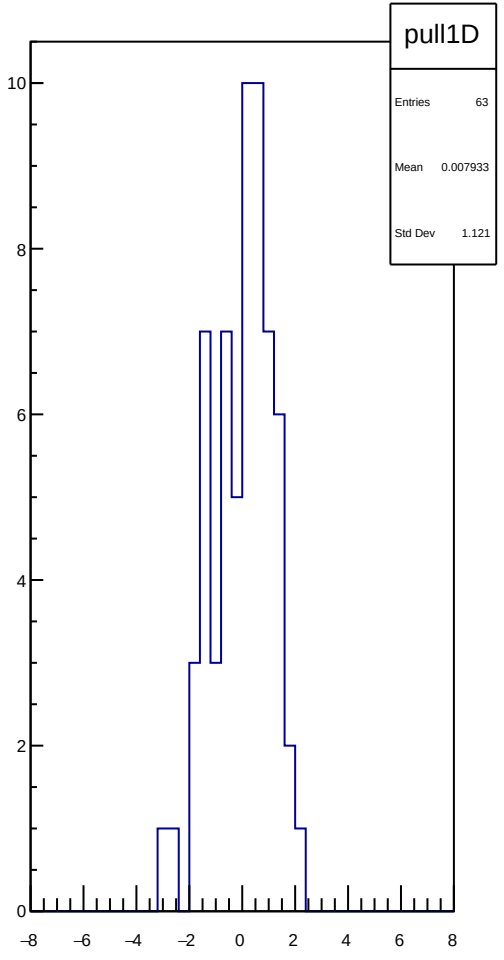

diff_bpm0l03Y_rms vs run
χ² / ndf 2.89e+04 / 62
p0 1951 ± 1.794
45000
40000
35000
30000
25000
20000
15000
10000
5000
5462. 0
5576. 0

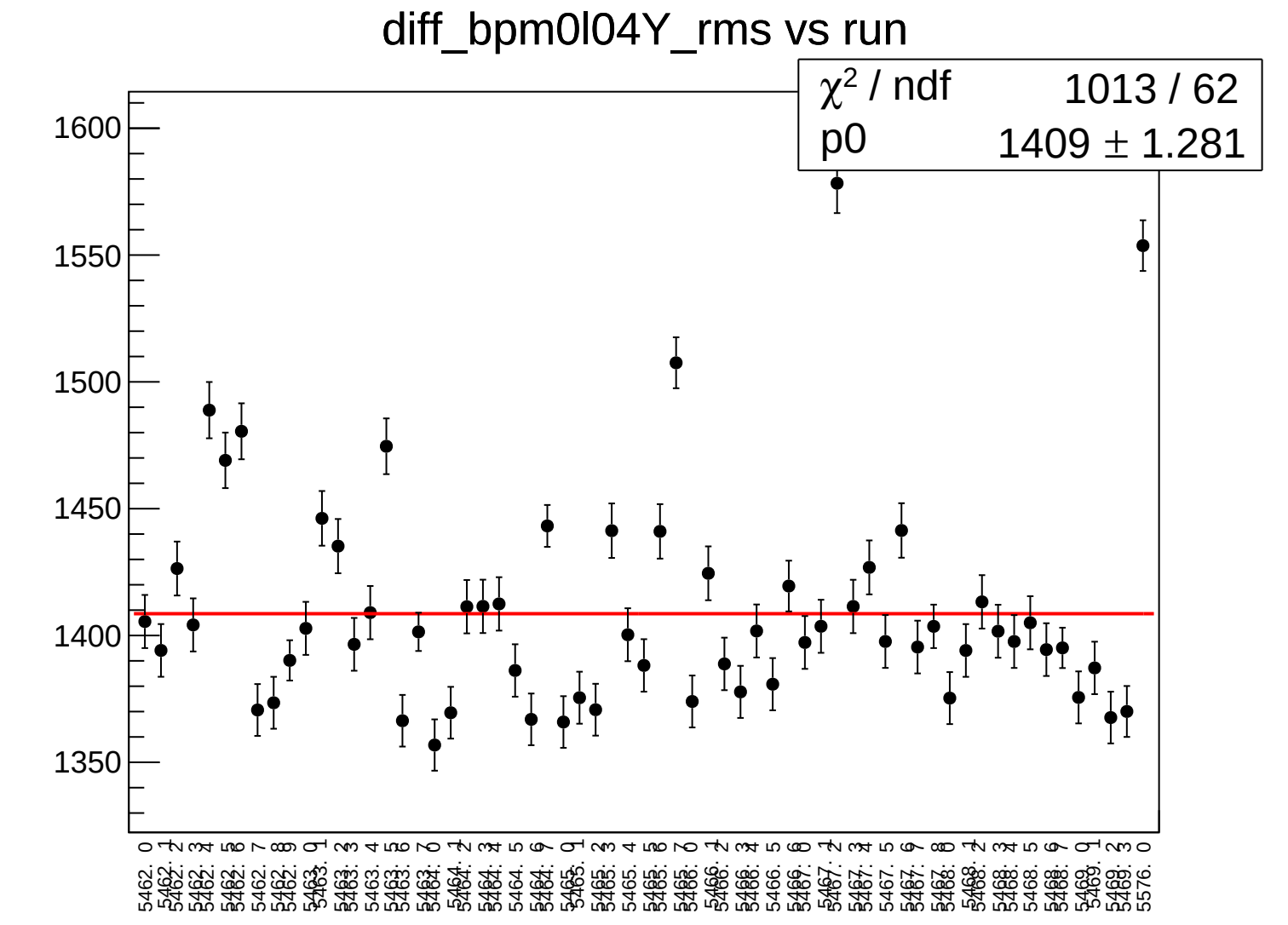

diff_bpm0l04X_mean vs run
χ² / ndf 65.22 / 62
p0 −1.35 ± 5.762
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean −345.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

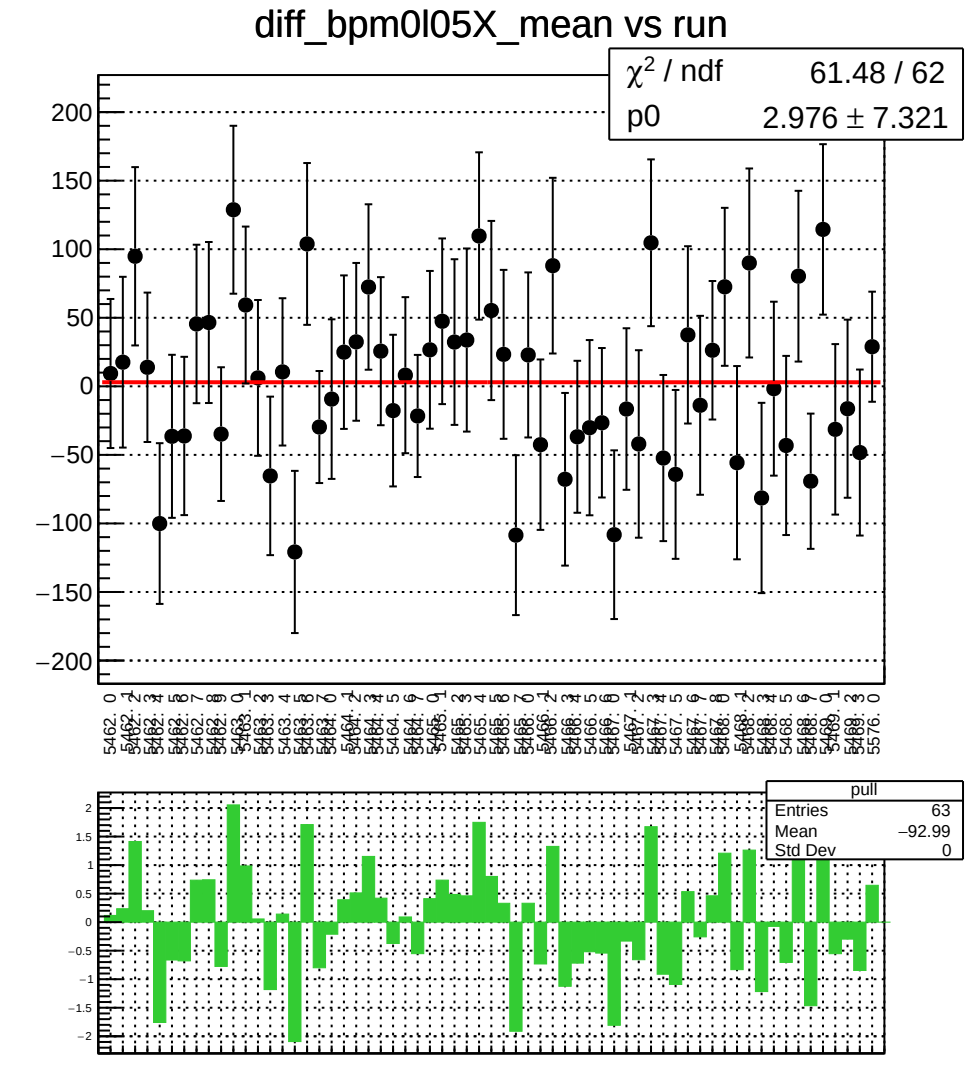

pull1D
Entries 63
Mean −0.0105
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

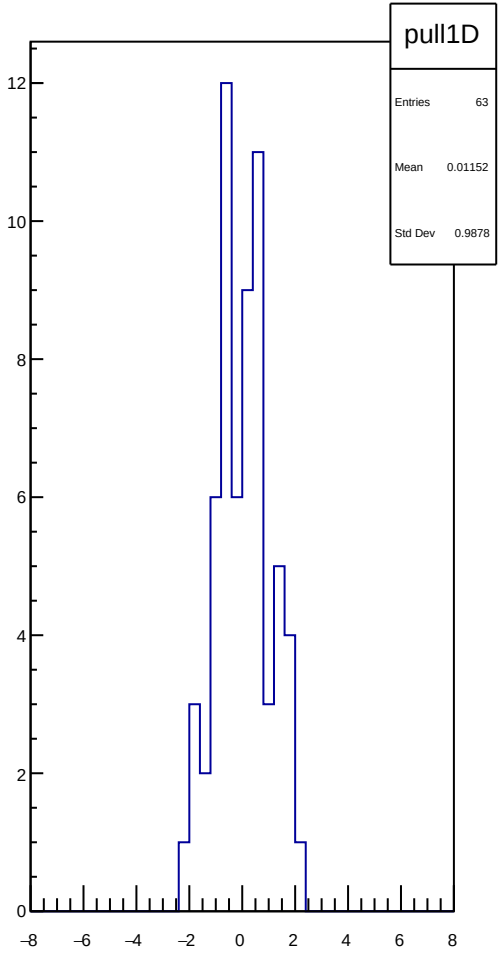

diff_bpm0l04X_rms vs run
χ² / ndf 579.3 / 62
p0 4482 ± 4.074
4700
4600
4500
4400
4300
4200
4100
4000
3900

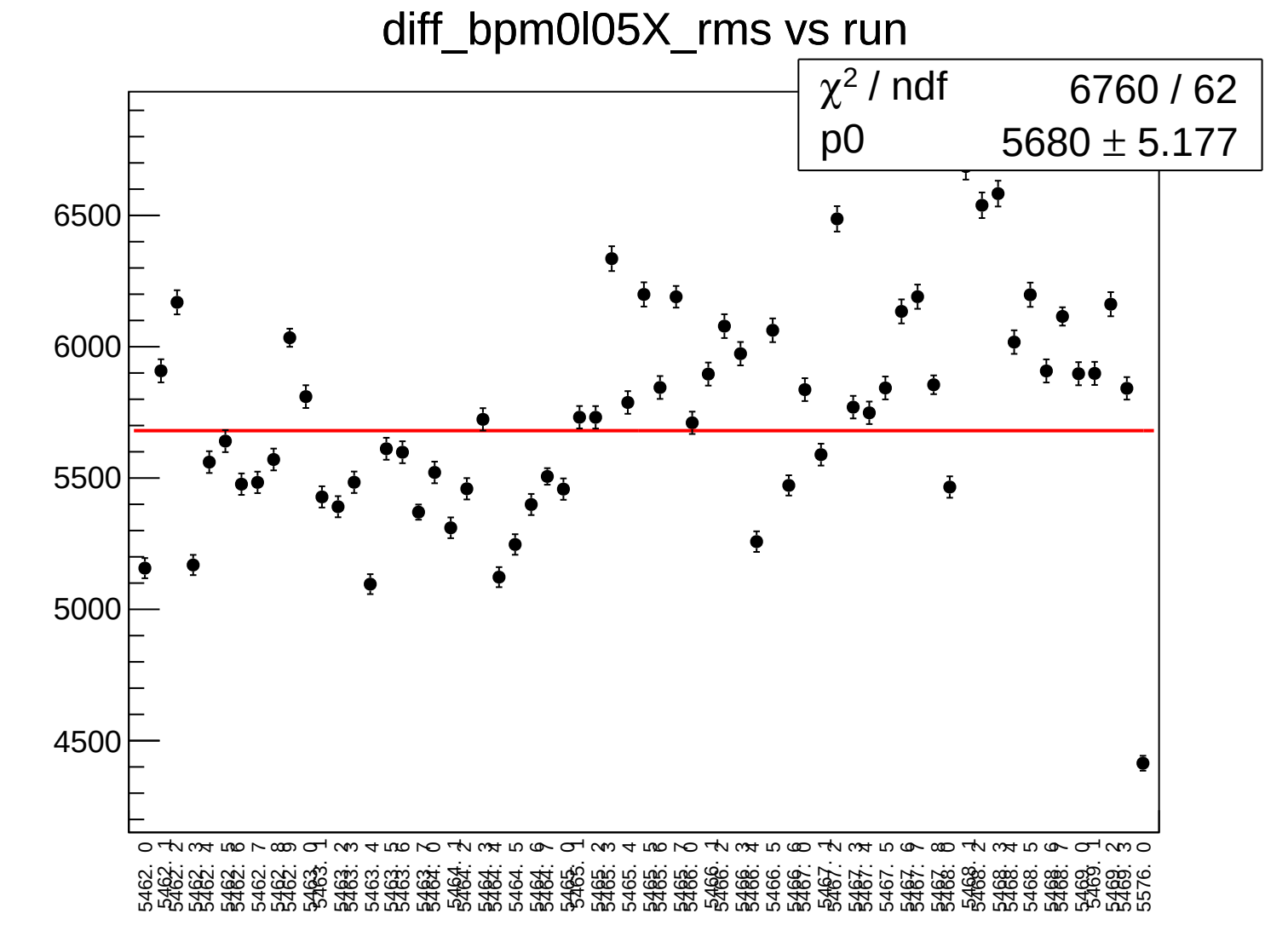

diff_bpm0l04Y_mean vs run
χ² / ndf 79.18 / 62
p0 7.309 ± 1.811
pull
Entries 63
Mean −70.8
Std Dev 0

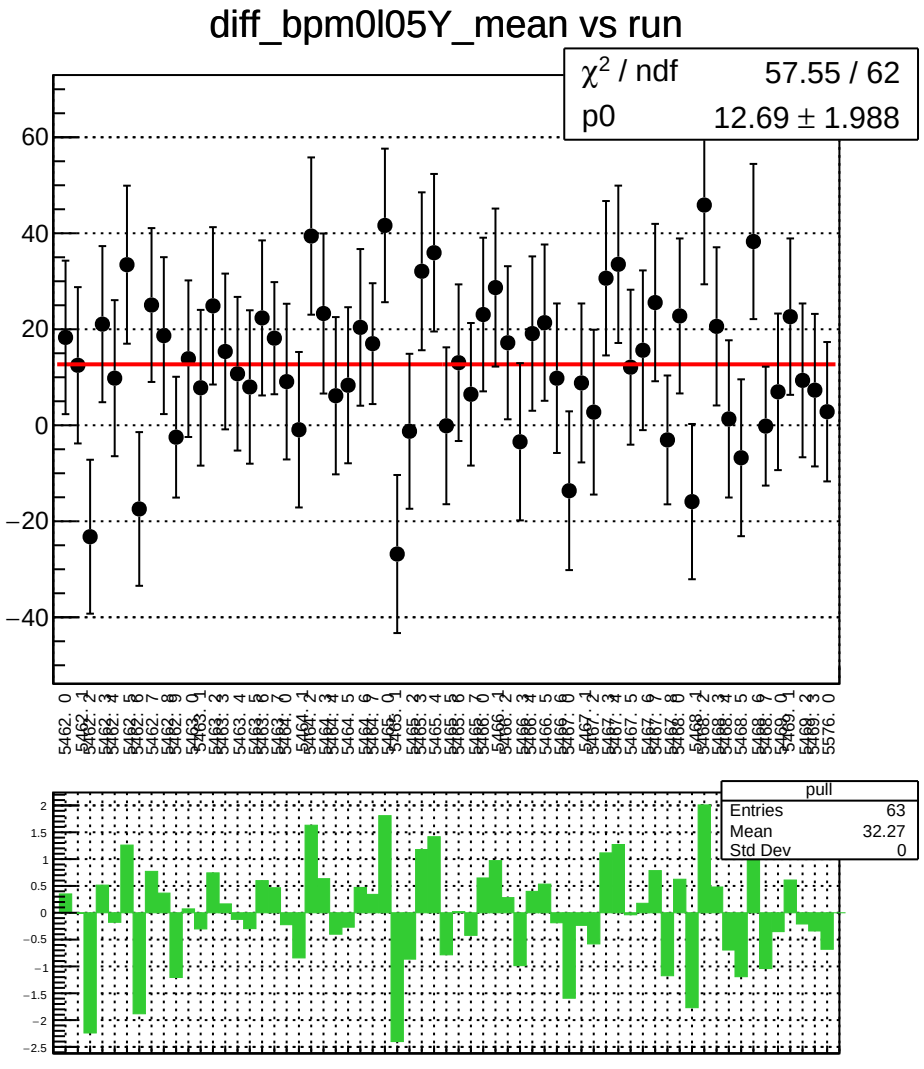

pull1D
Entries 63
Mean 0.007933
Std Dev 1.121

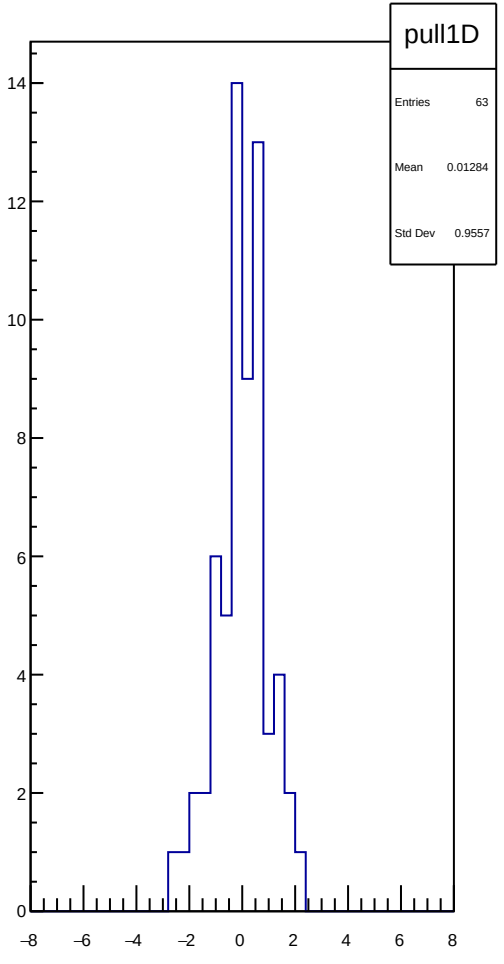

diff_bpm0l04Y_rms vs run
χ² / ndf 1013 / 62
p0 1409 ± 1.281
1600
1550
1500
1450
1400
1350

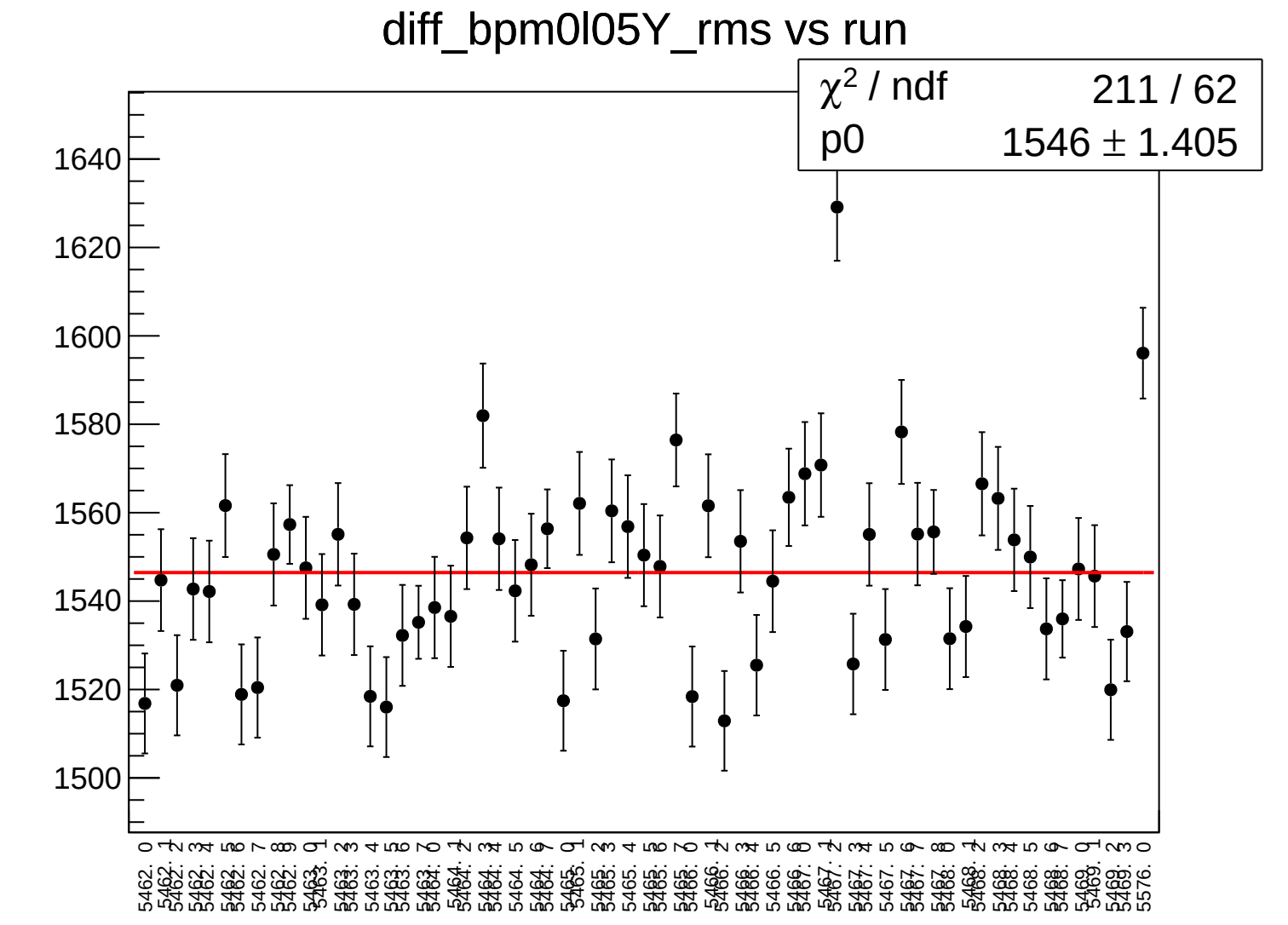

diff_bpm0l05X_mean vs run
χ^2 / ndf 61.48 / 62
p0 2.976 ± 7.321
pull
Entries 63
Mean −92.99
Std Dev 0

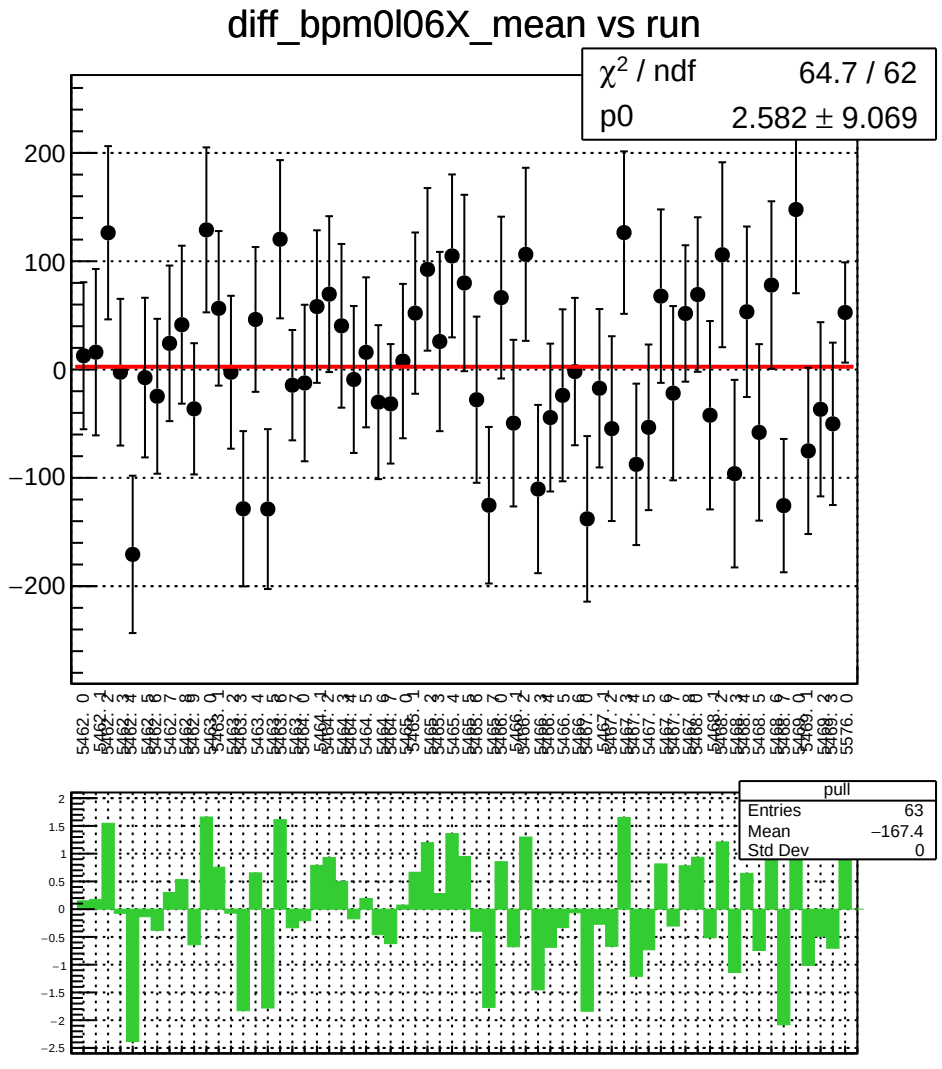

pull1D
Entries 63
Mean 0.01152
Std Dev 0.9878

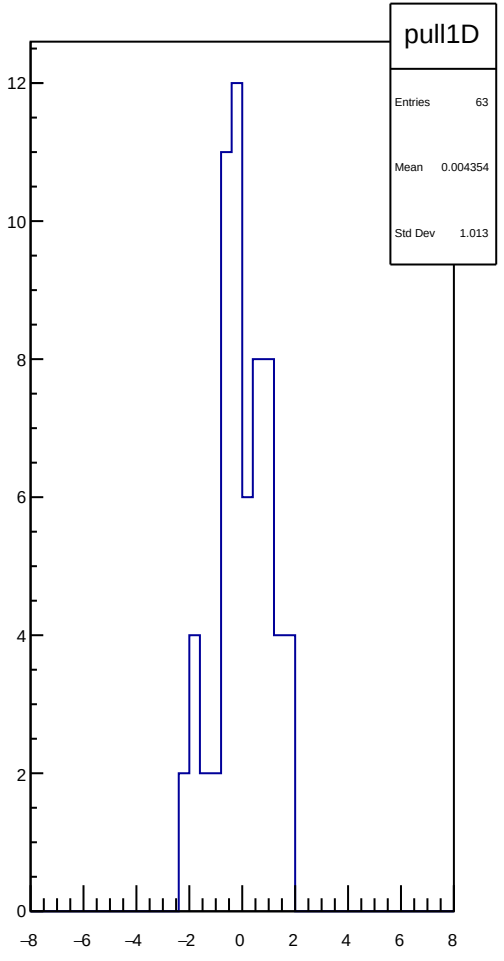

diff_bpm0l05X_rms vs run
χ² / ndf 6760 / 62
p0 5680 ± 5.177
6500
6000
5500
5000
4500

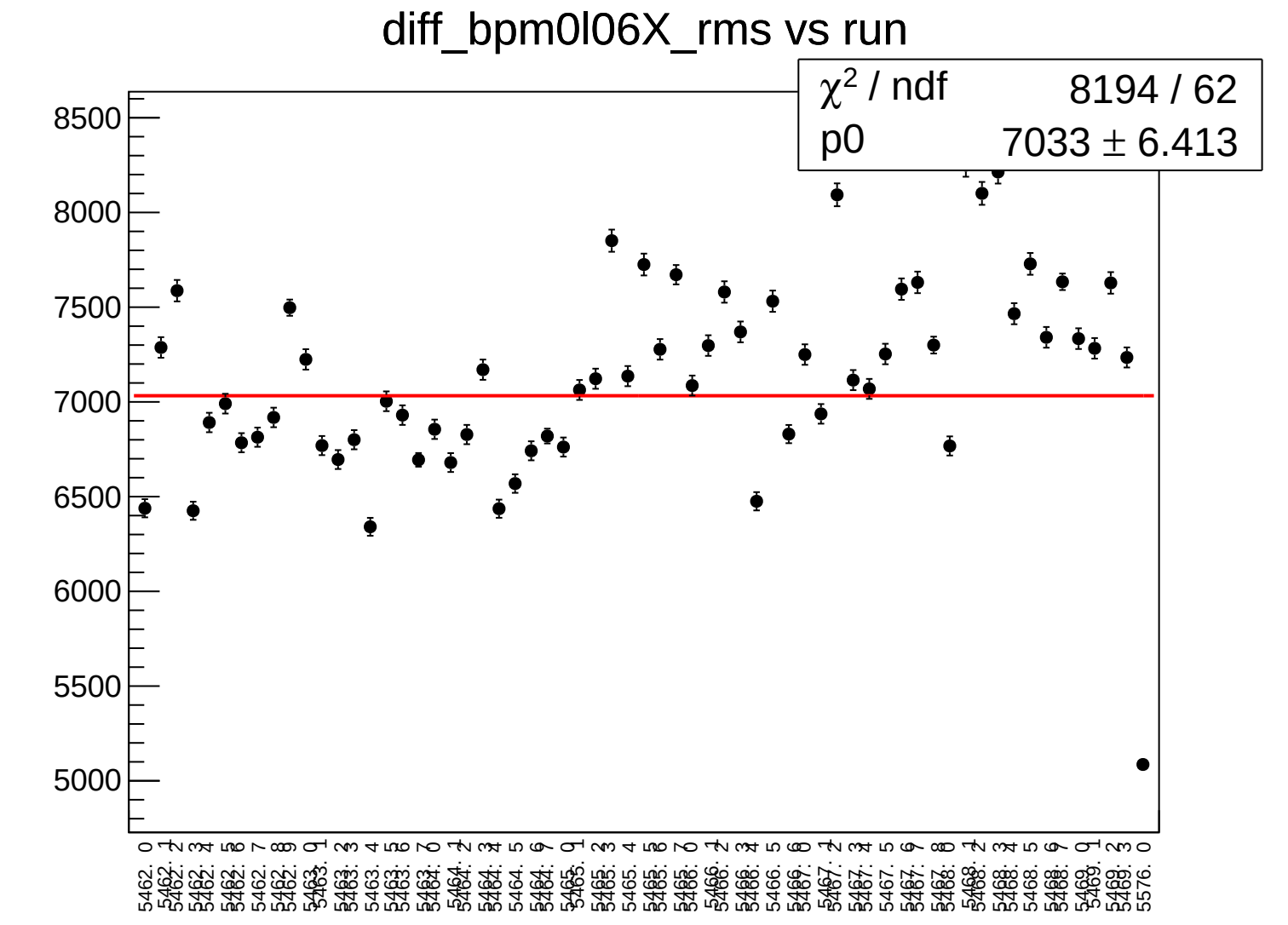

diff_bpm0l05Y_mean vs run
χ^2 / ndf 57.55 / 62
p0 12.69 ± 1.988
pull
Entries 63
Mean 32.27
Std Dev 0

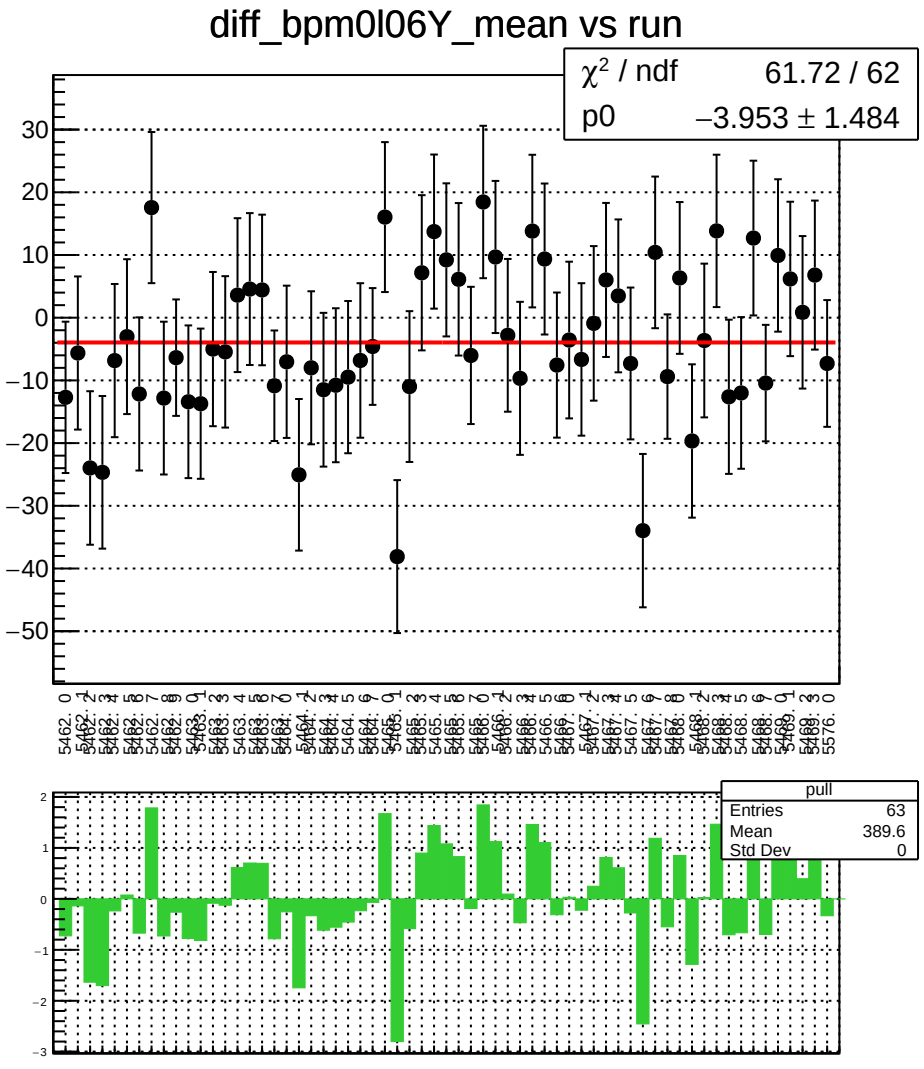

pull1D
Entries 63
Mean 0.01284
Std Dev 0.9557

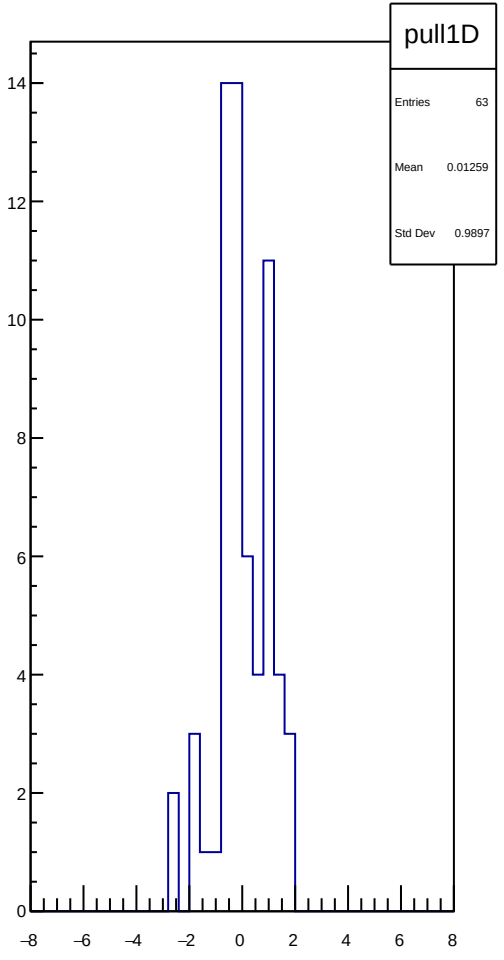

diff_bpm0l05Y_rms vs run
χ² / ndf 211 / 62
p0 1546 ± 1.405
1640
1620
1600
1580
1560
1540
1520
1500

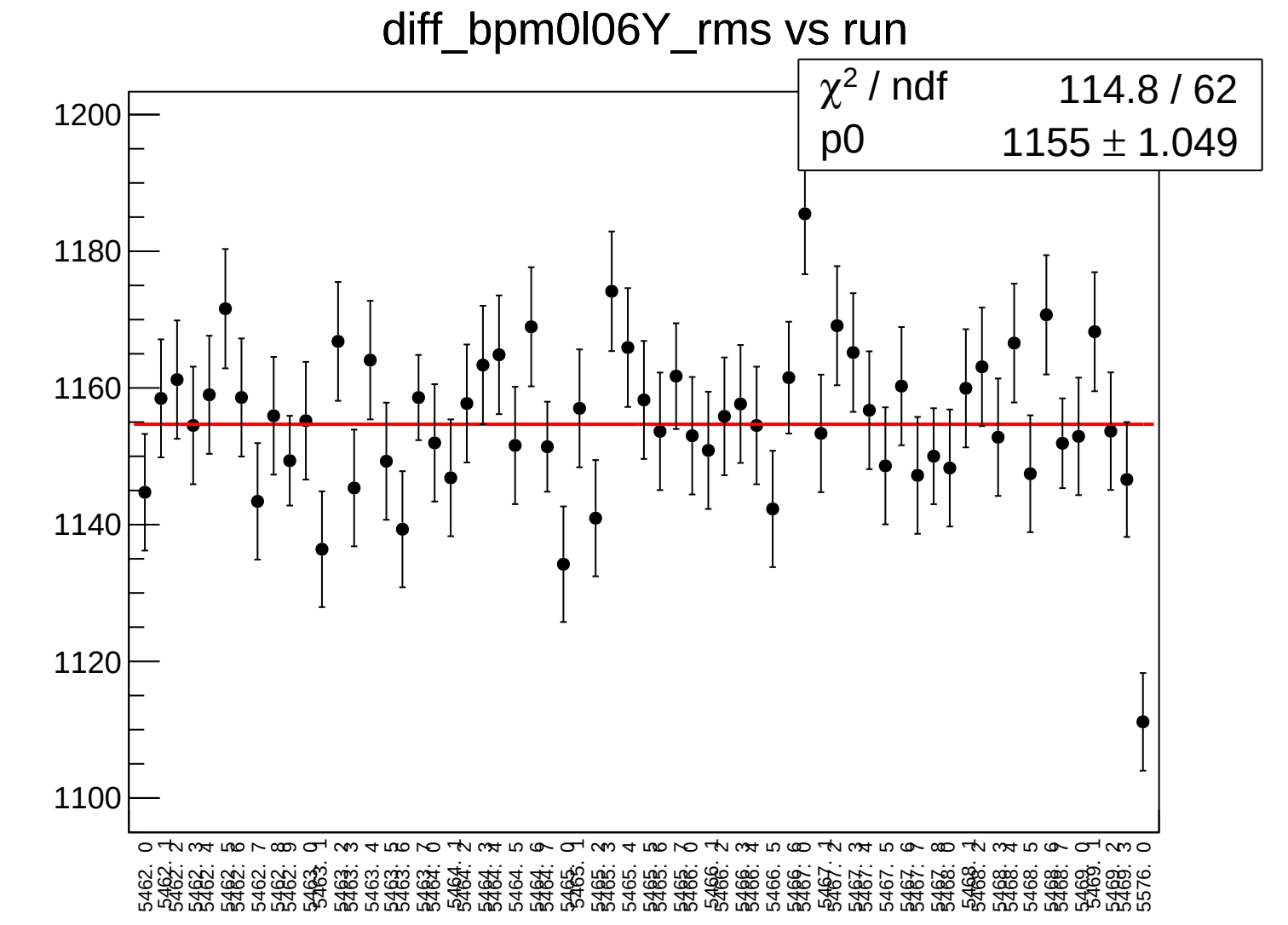

diff_bpm0l06X_mean vs run
χ² / ndf 64.7 / 62
p0 2.582 ± 9.069
pull
Entries 63
Mean −167.4
Std Dev 0


pull1D
Entries 63
Mean 0.004354
Std Dev 1.013


diff_bpm0l06X_rms vs run
χ² / ndf 8194 / 62
p0 7033 ± 6.413
8500
8000
7500
7000
6500
6000
5500
5000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


diff_bpm0l06Y_mean vs run
χ^2 / ndf 61.72 / 62
p0 −3.953 ± 1.484
pull
Entries 63
Mean 389.6
Std Dev 0


pull1D
Entries 63
Mean 0.01259
Std Dev 0.9897


diff_bpm0l06Y_rms vs run
χ² / ndf 114.8 / 62
p0 1155 ± 1.049
1200
1180
1160
1140
1120
1100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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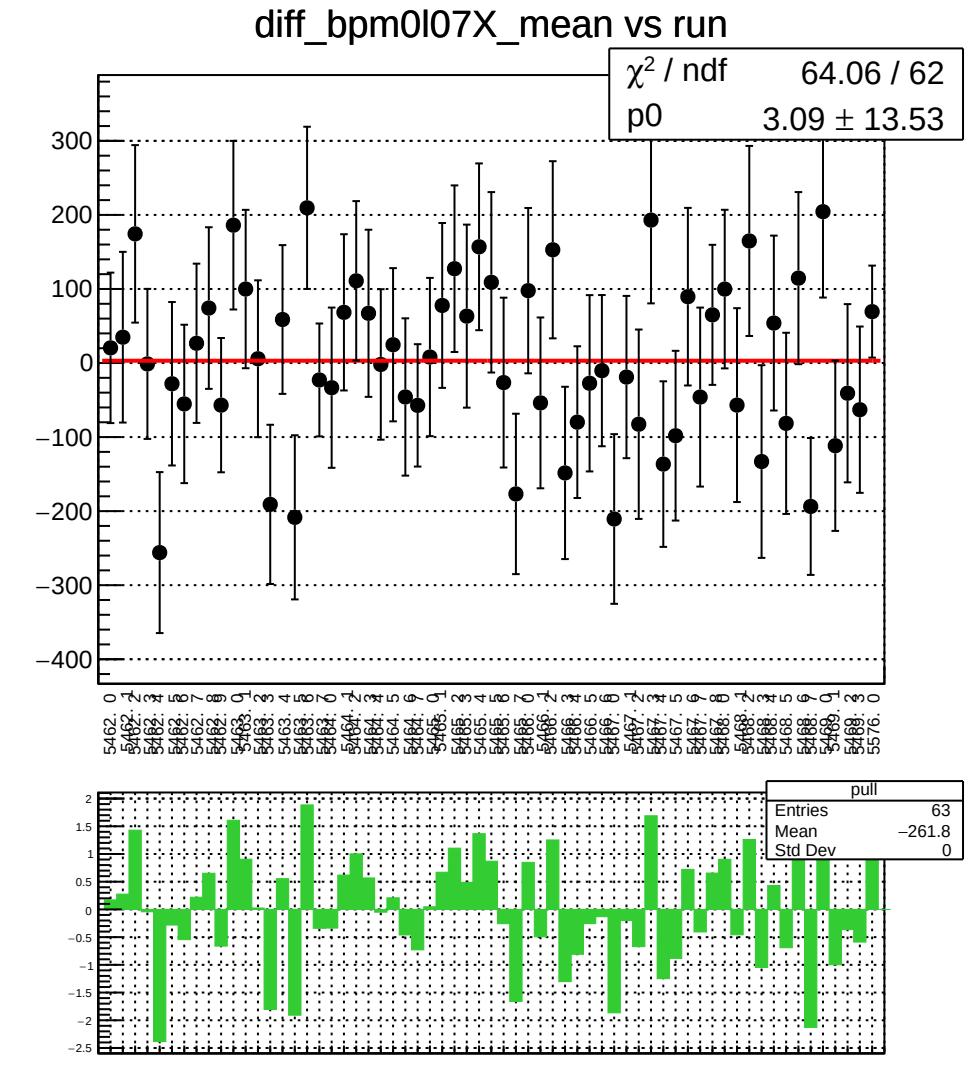
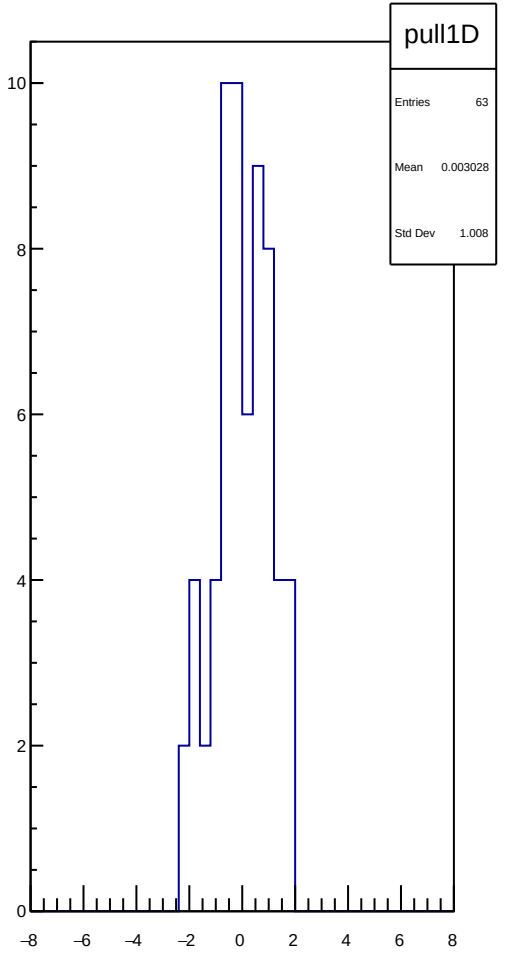
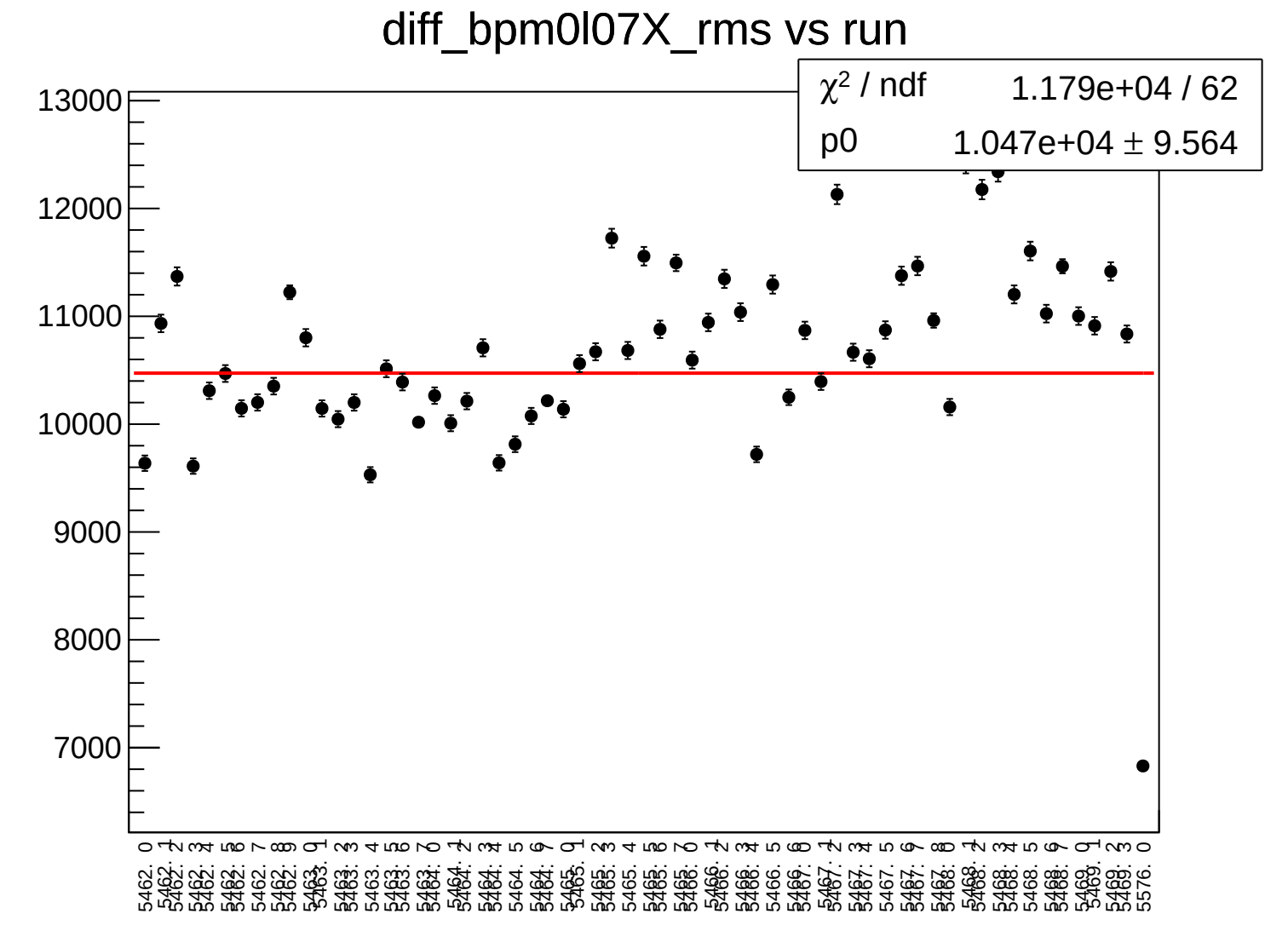
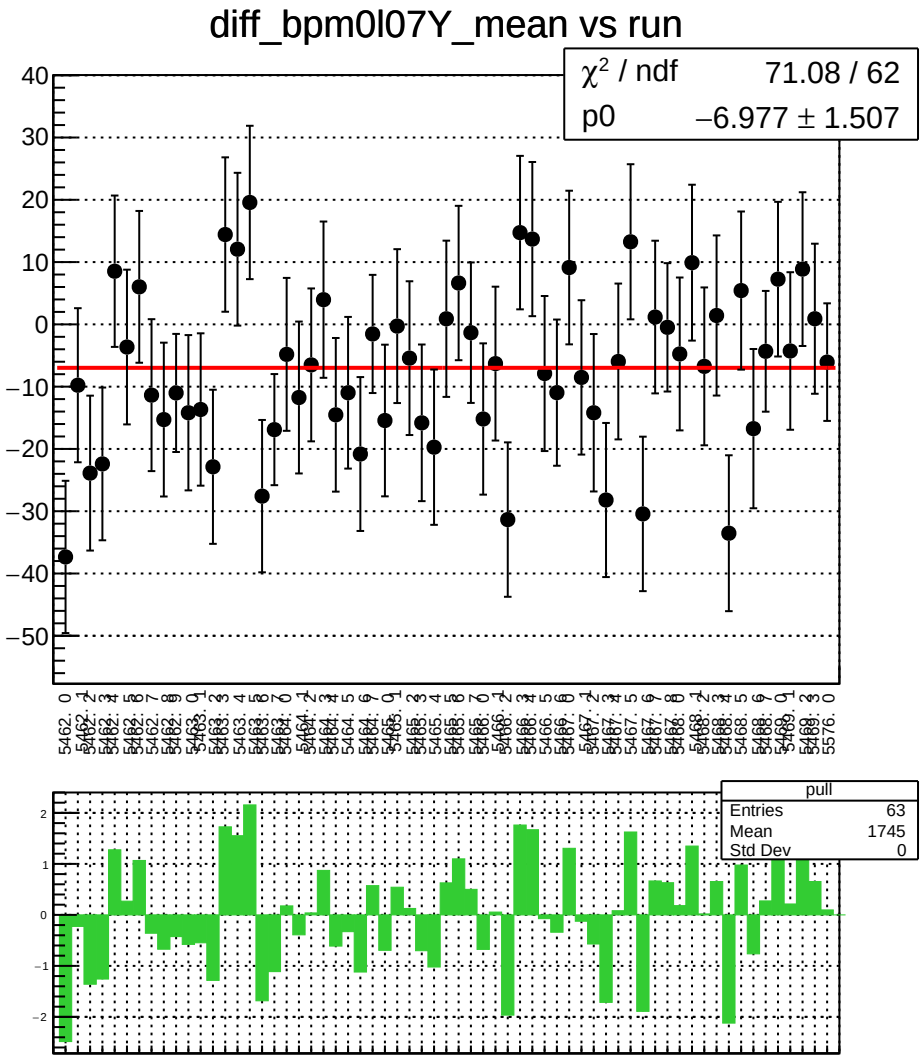
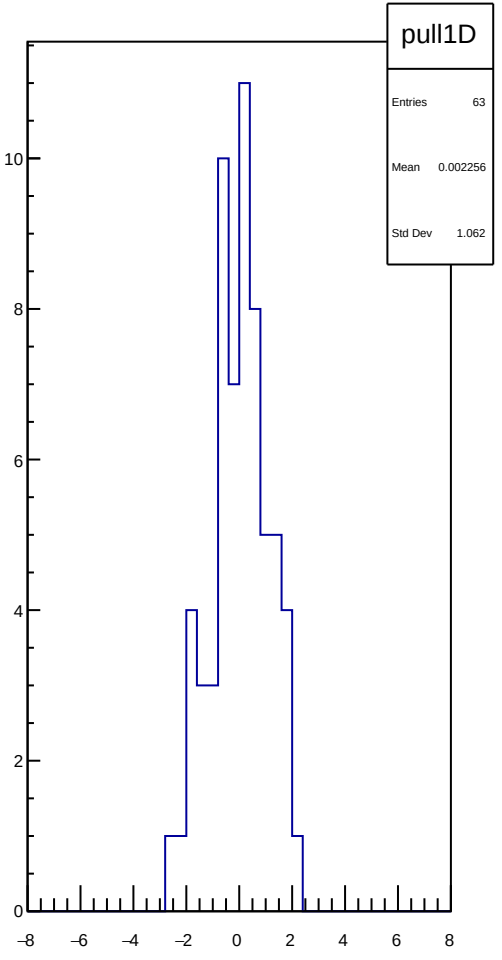
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

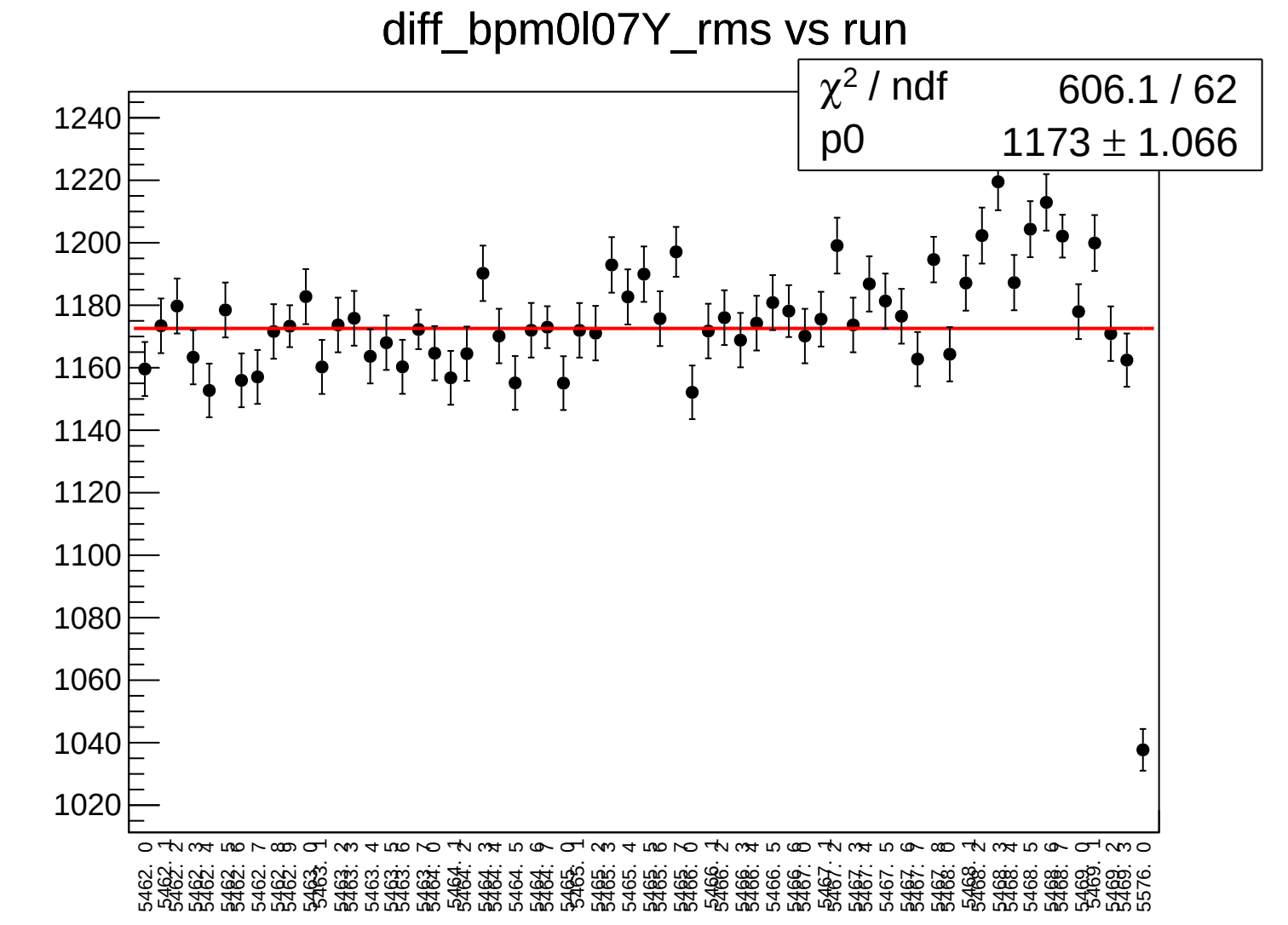

diff_bpm0l07X_mean vs run
χ² / ndf 64.06 / 62
p0 3.09 ± 13.53
pull
Entries 63
Mean −261.8
Std Dev 0

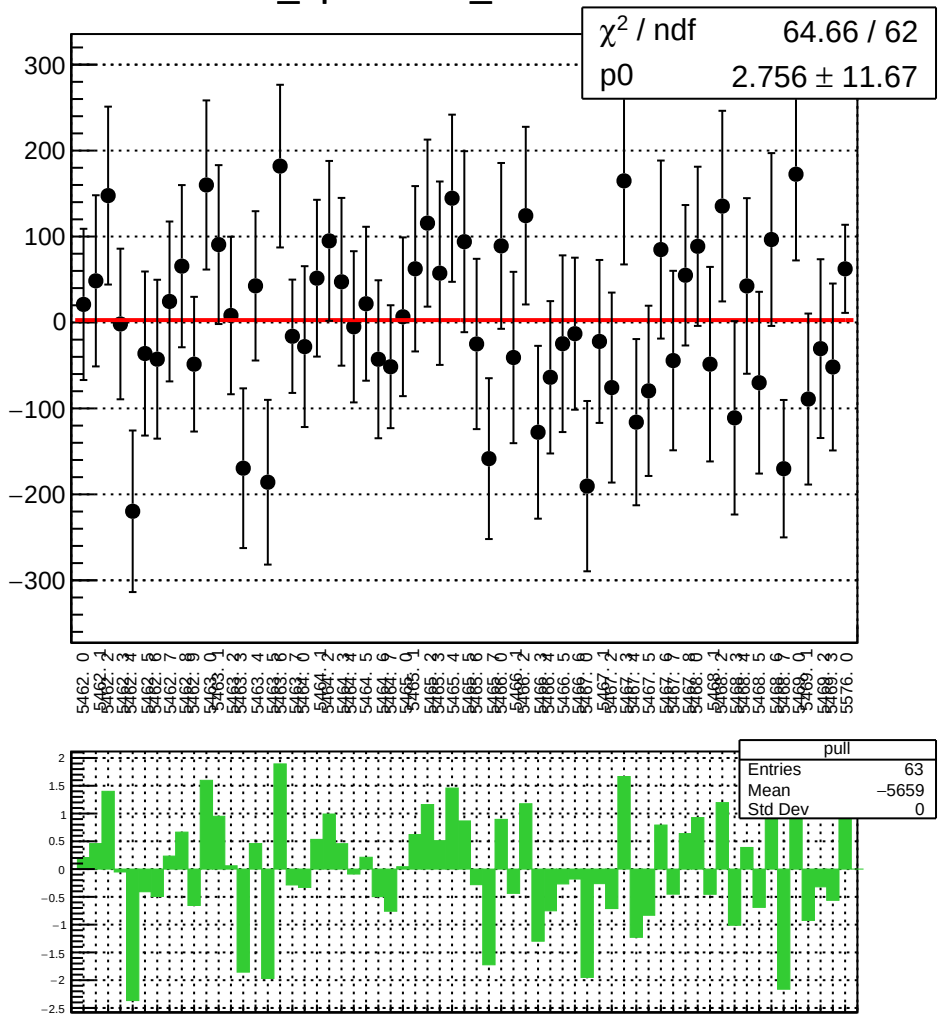

pull1D
Entries 63
Mean 0.003028
Std Dev 1.008

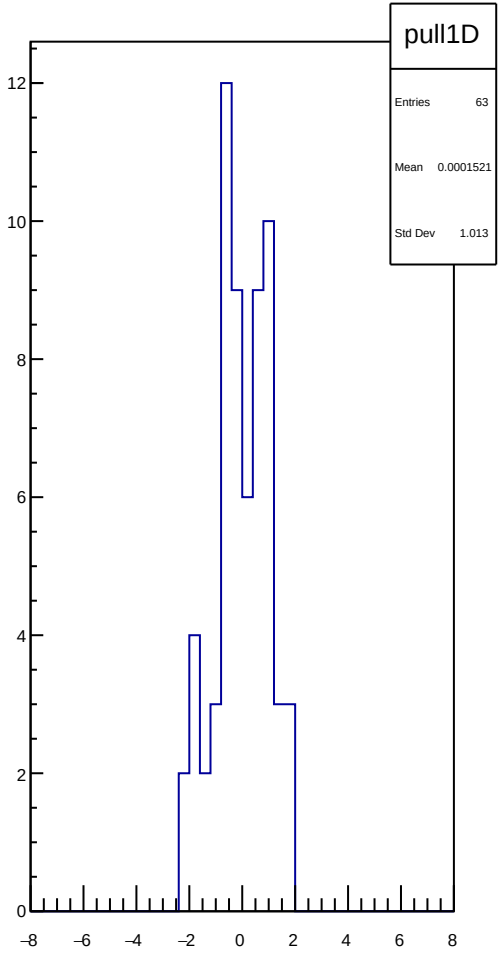

diff_bpm0l07X_rms vs run
χ² / ndf 1.179e+04 / 62
p0 1.047e+04 ± 9.564
13000
12000
11000
10000
9000
8000
7000

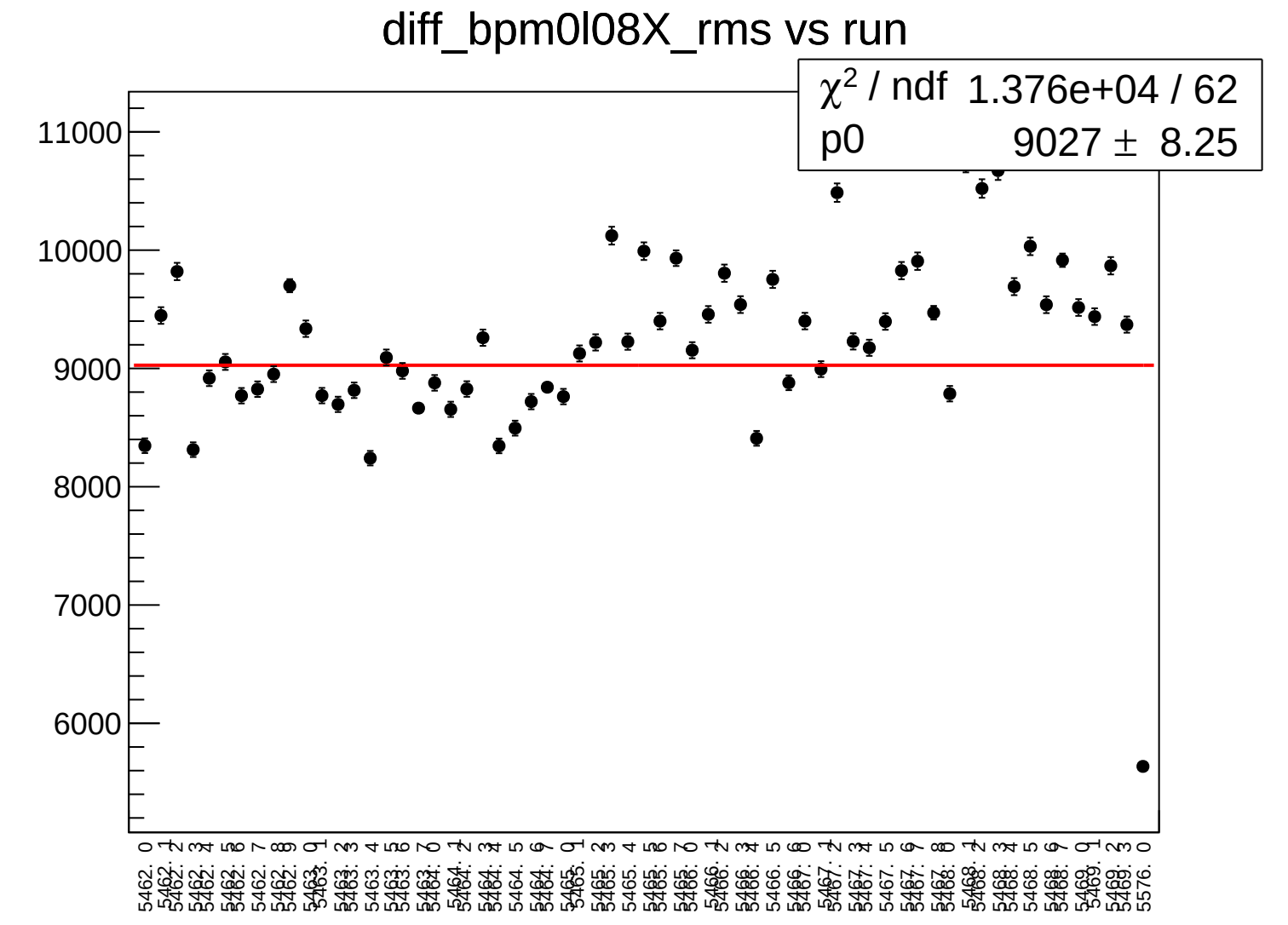

diff_bpm0l07Y_mean vs run
χ² / ndf 71.08 / 62
p0 −6.977 ± 1.507
pull
Entries 63
Mean 1745
Std Dev 0

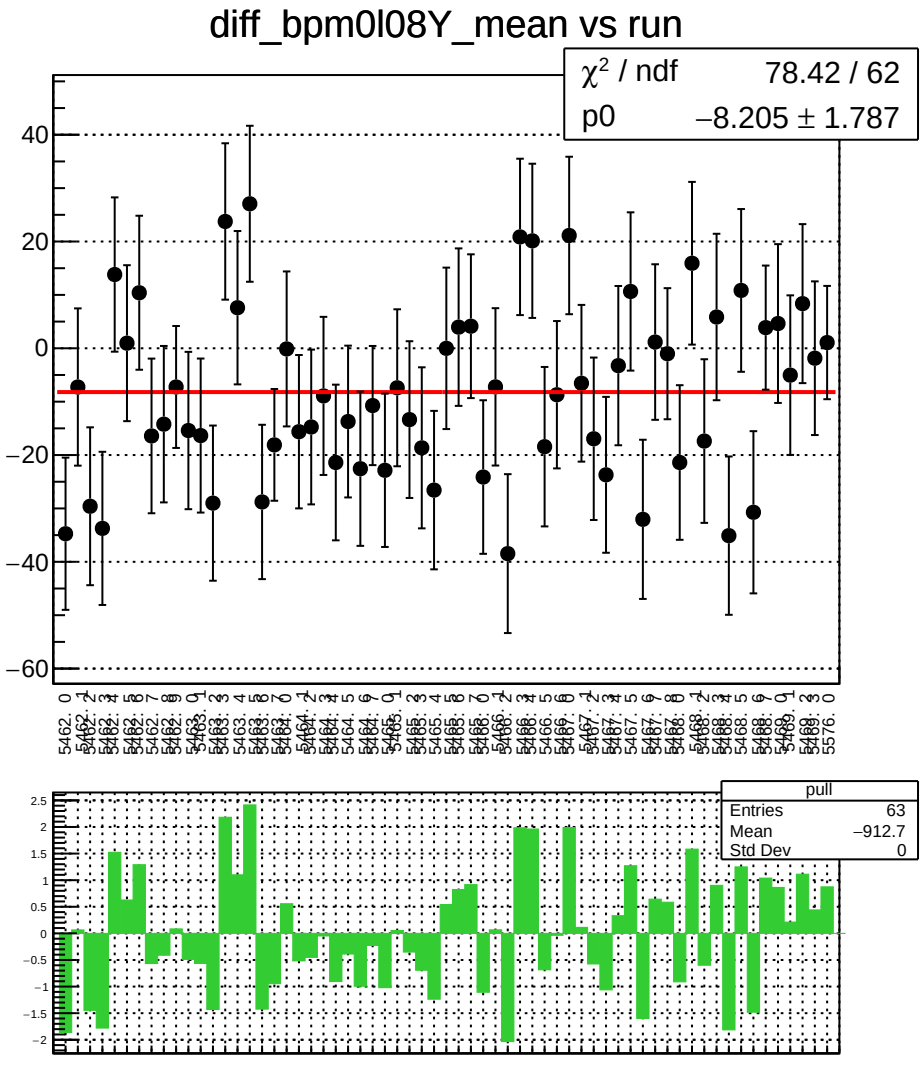

pull1D
Entries 63
Mean 0.002256
Std Dev 1.062

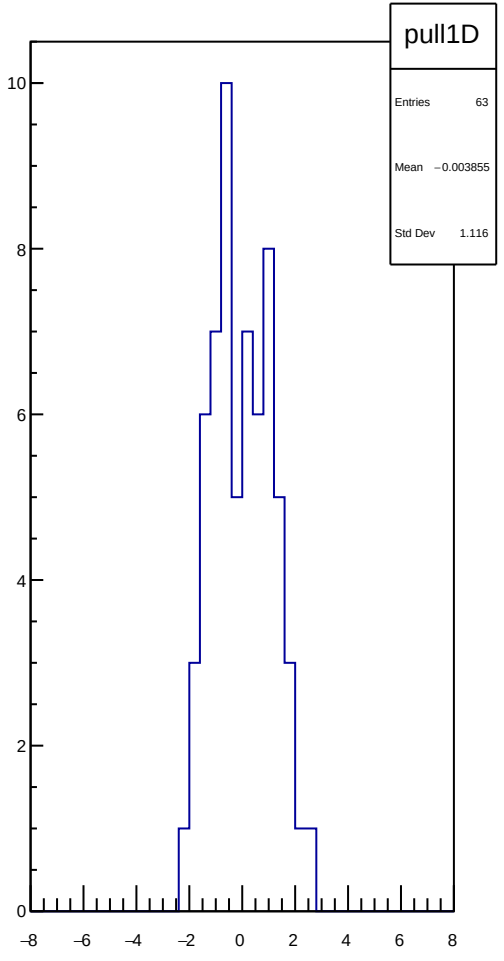

diff_bpm0l07Y_rms vs run
χ² / ndf 606.1 / 62
p0 1173 ± 1.066
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

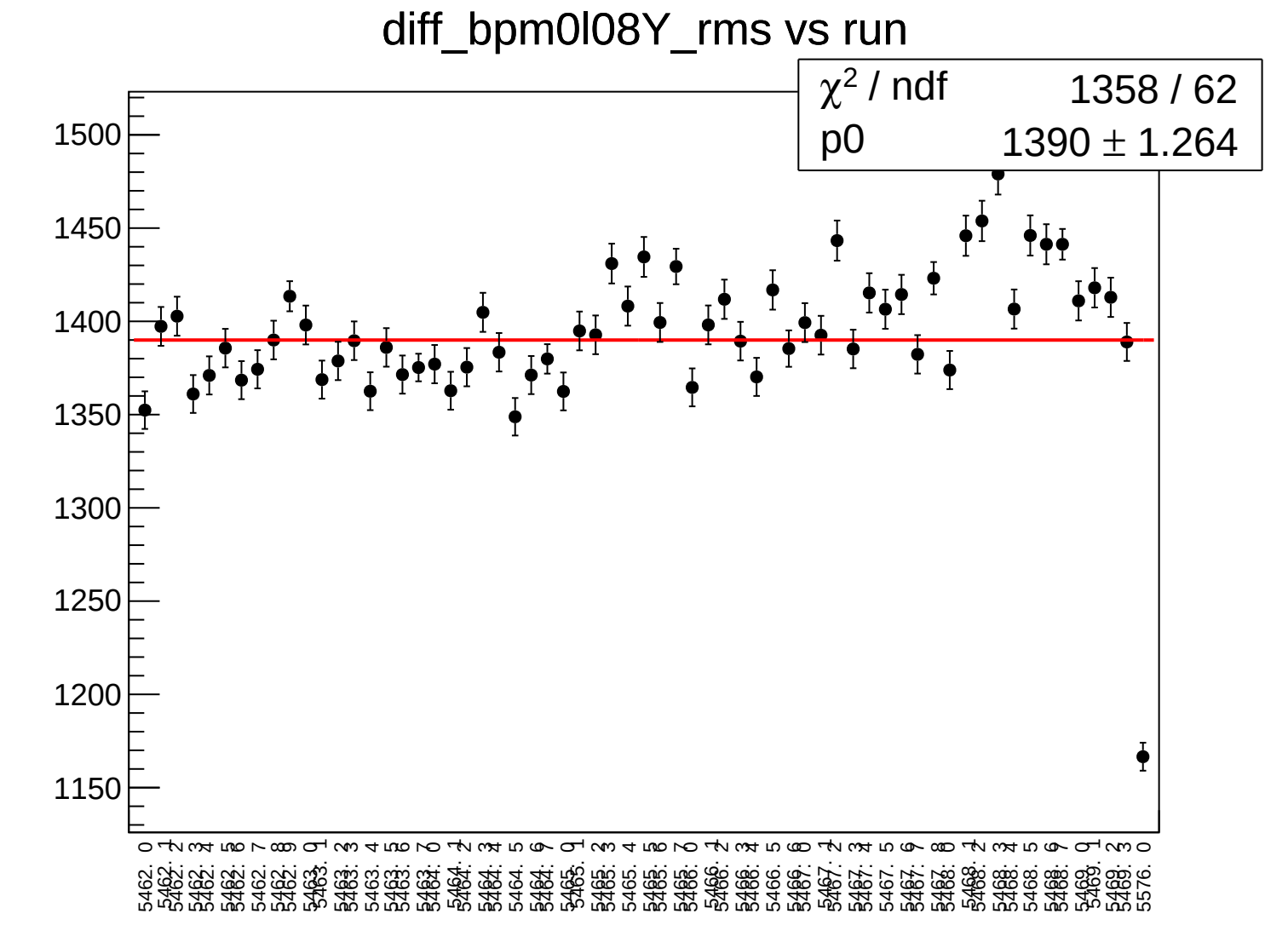

diff_bpm0l08X_mean vs run
χ² / ndf 64.66 / 62
p0 2.756 ± 11.67
pull
Entries 63
Mean −5659
Std Dev 0

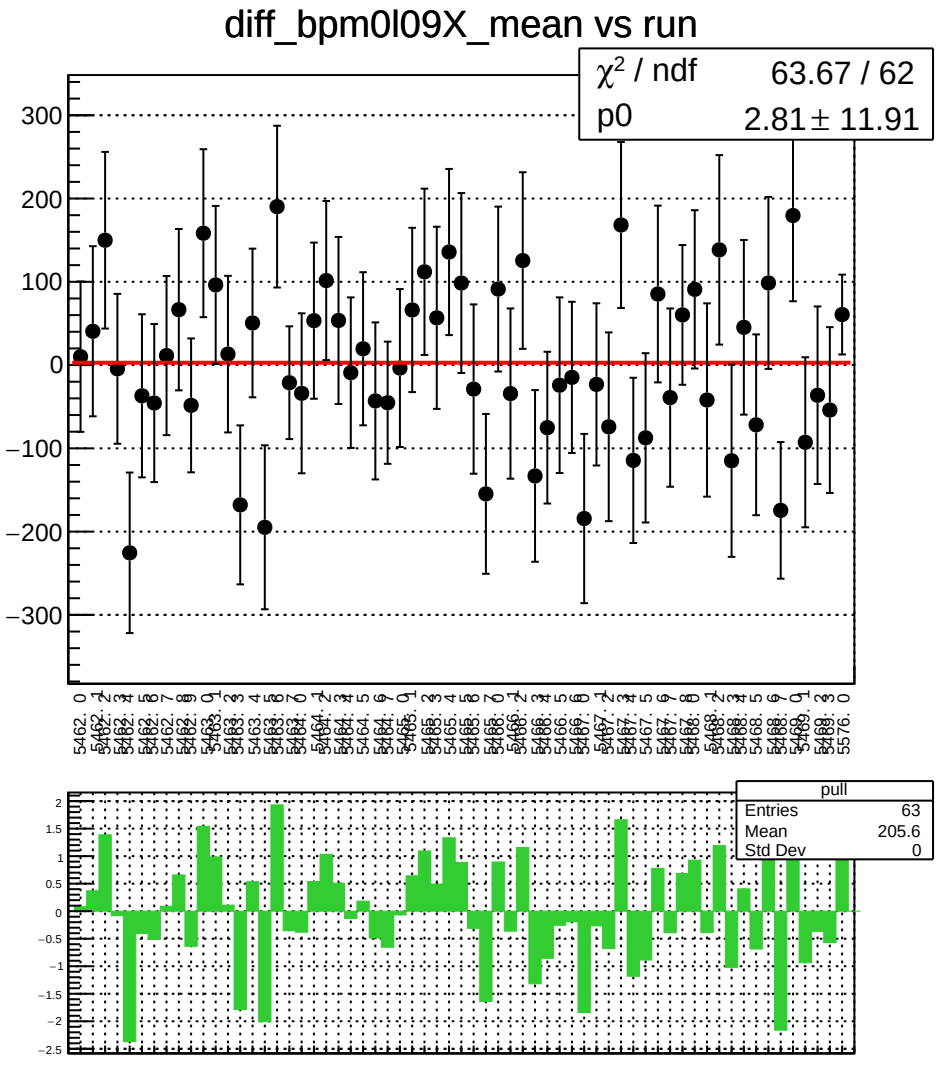

pull1D
Entries 63
Mean 0.0001521
Std Dev 1.013

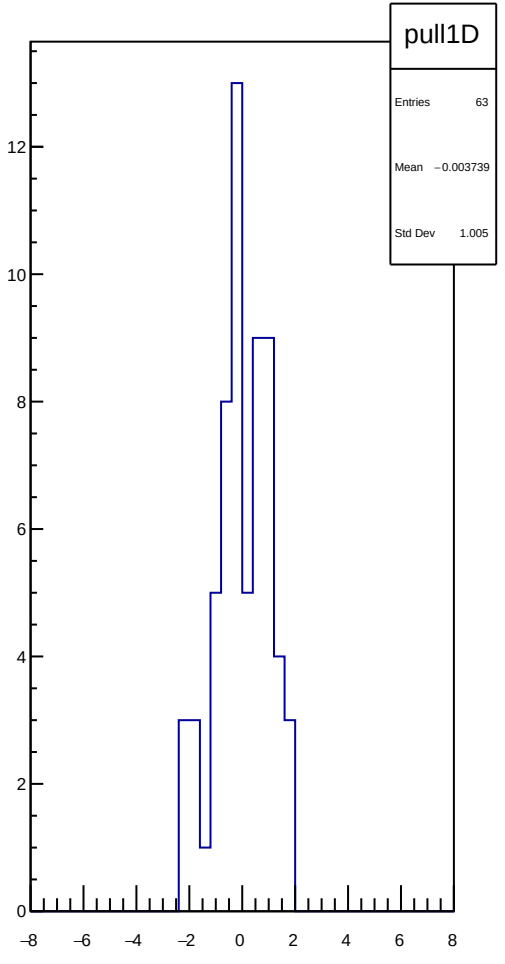

diff_bpm0l08X_rms vs run
χ² / ndf 1.376e+04 / 62
p0 9027 ± 8.25
11000
10000
9000
8000
7000
6000

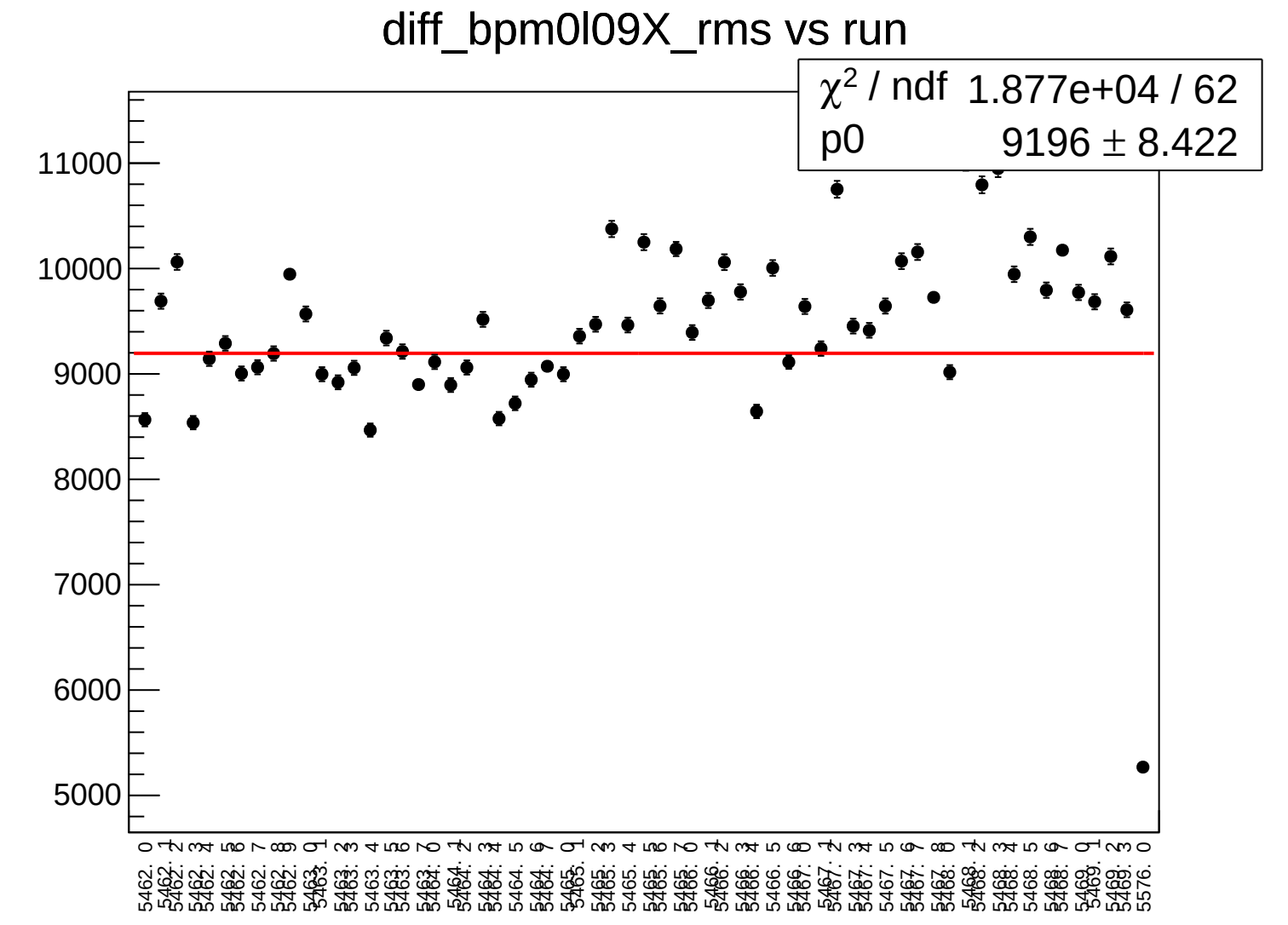

diff_bpm0l08Y_mean vs run
χ² / ndf 78.42 / 62
p0 −8.205 ± 1.787
pull
Entries 63
Mean −912.7
Std Dev 0

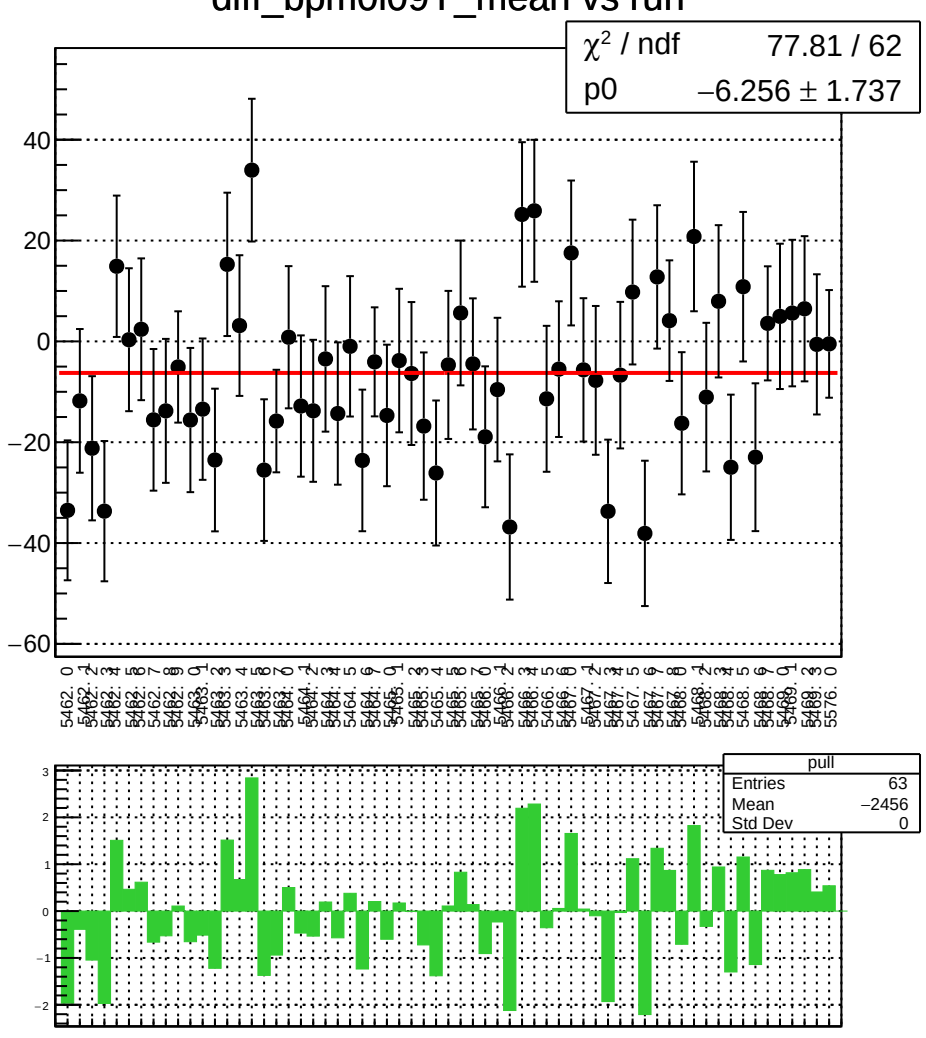

pull1D
Entries 63
Mean −0.003855
Std Dev 1.116

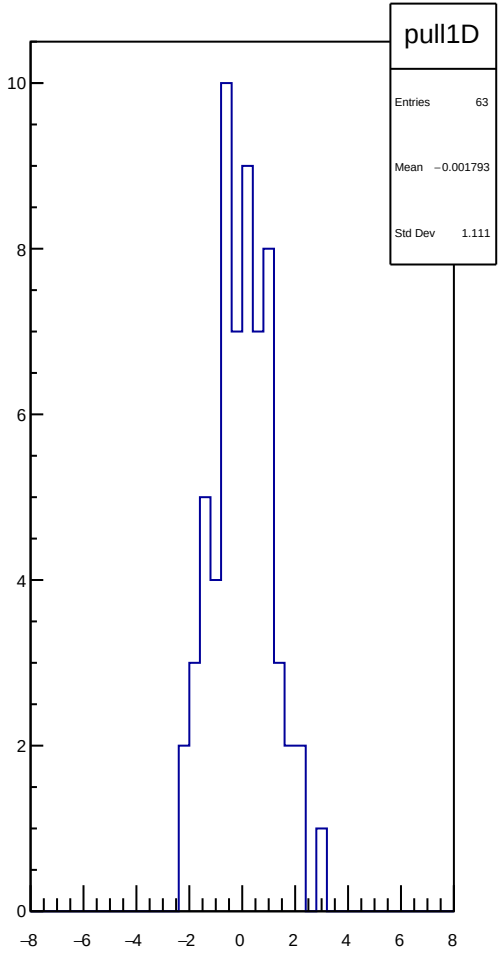

diff_bpm0l08Y_rms vs run
χ² / ndf 1358 / 62
p0 1390 ± 1.264
1500
1450
1400
1350
1300
1250
1200
1150

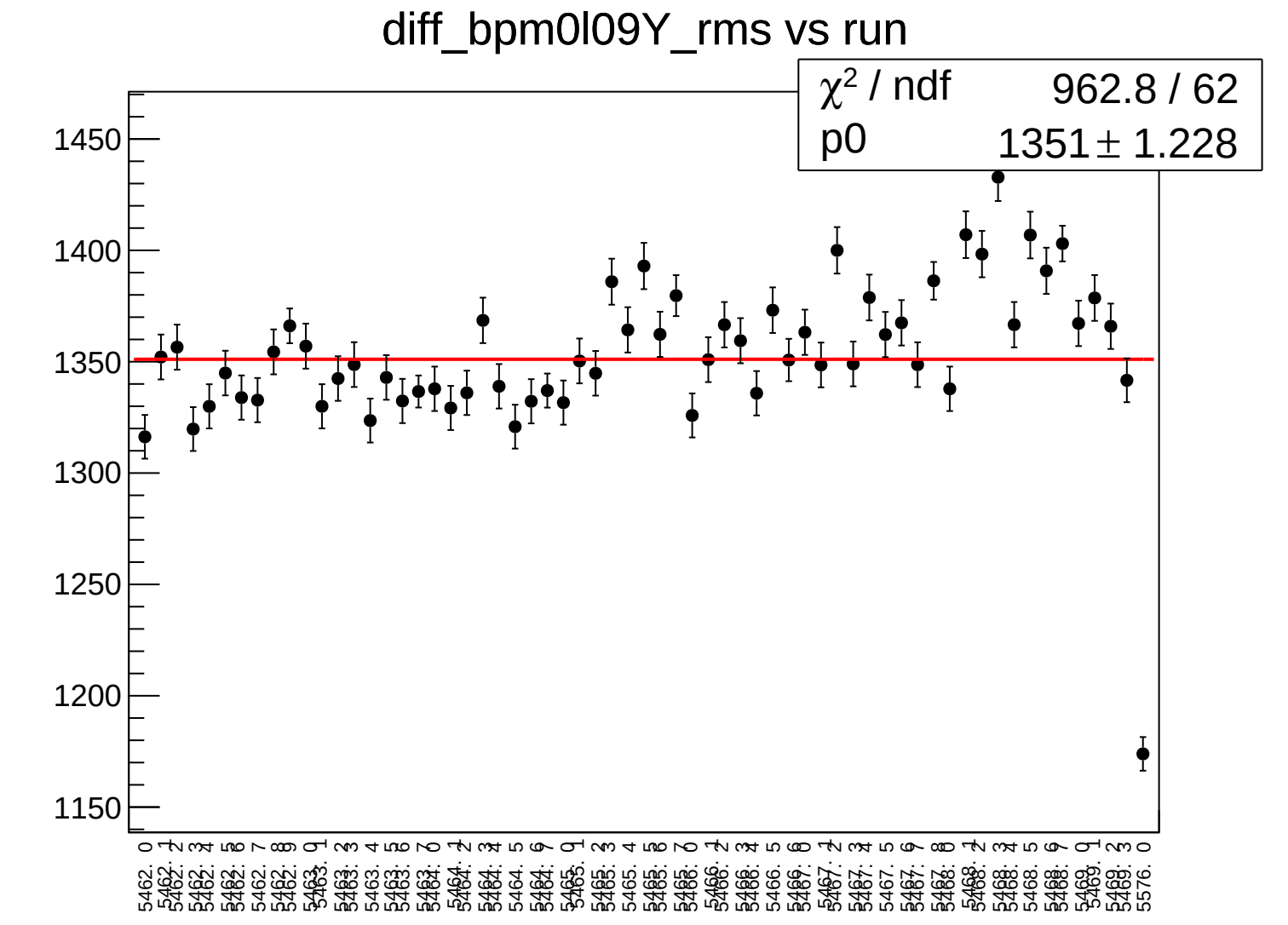

diff_bpm0l09X_mean vs run
χ² / ndf 63.67 / 62
p0 2.81 ± 11.91
pull
Entries 63
Mean 205.6
Std Dev 0

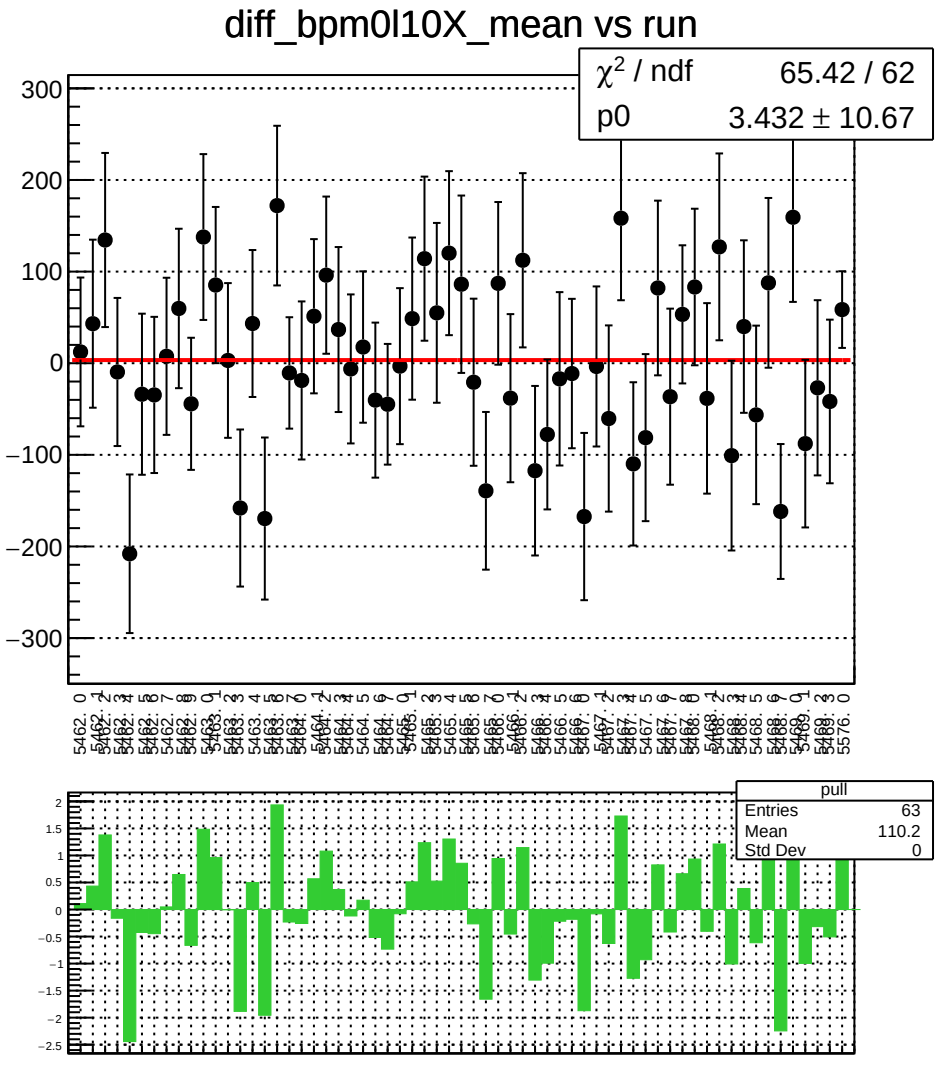

pull1D
Entries 63
Mean −0.003739
Std Dev 1.005

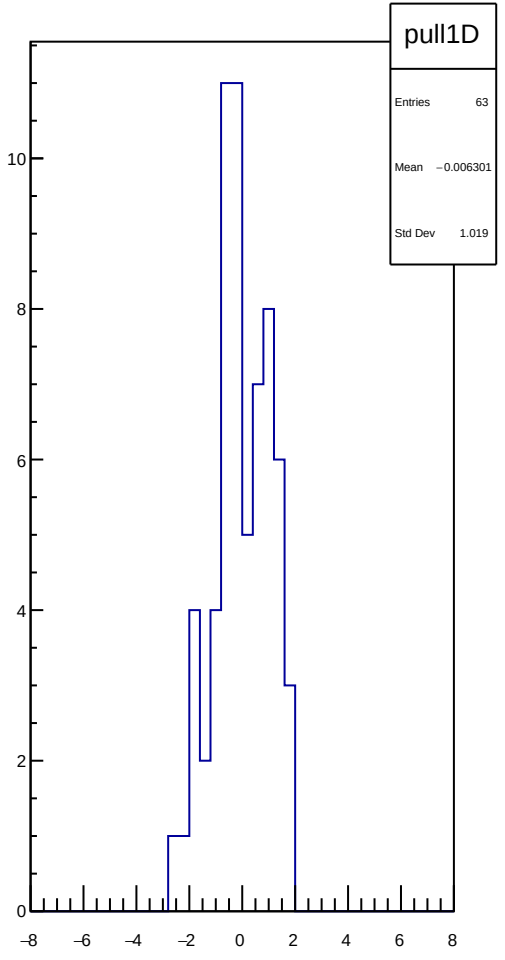

diff_bpm0l09X_rms vs run
χ² / ndf 1.877e+04 / 62
p0 9196 ± 8.422
11000
10000
9000
8000
7000
6000
5000

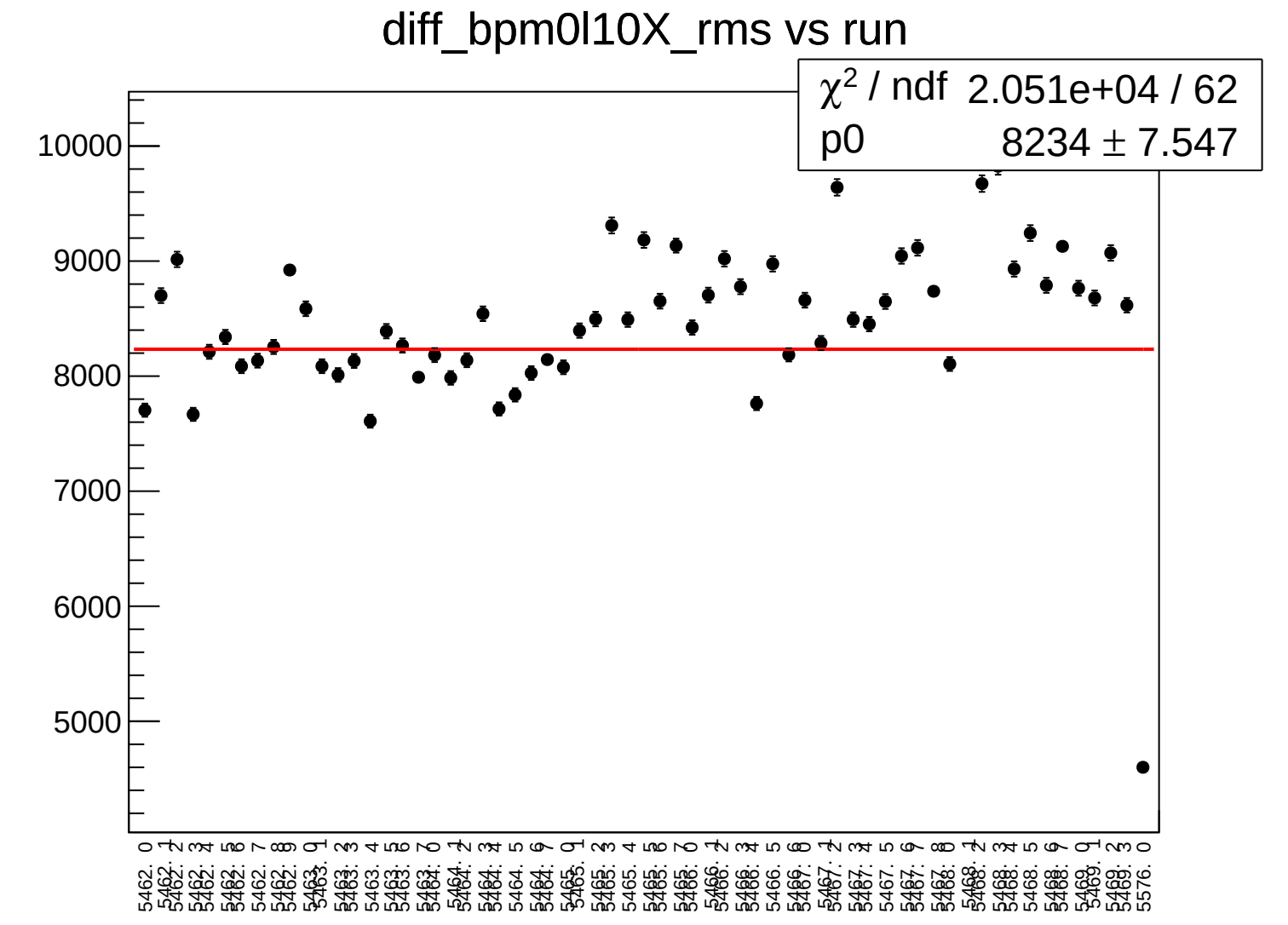

diff_bpm0l09Y_mean vs run
χ² / ndf 77.81 / 62
p0 −6.256 ± 1.737
pull
Entries 63
Mean −2456
Std Dev 0

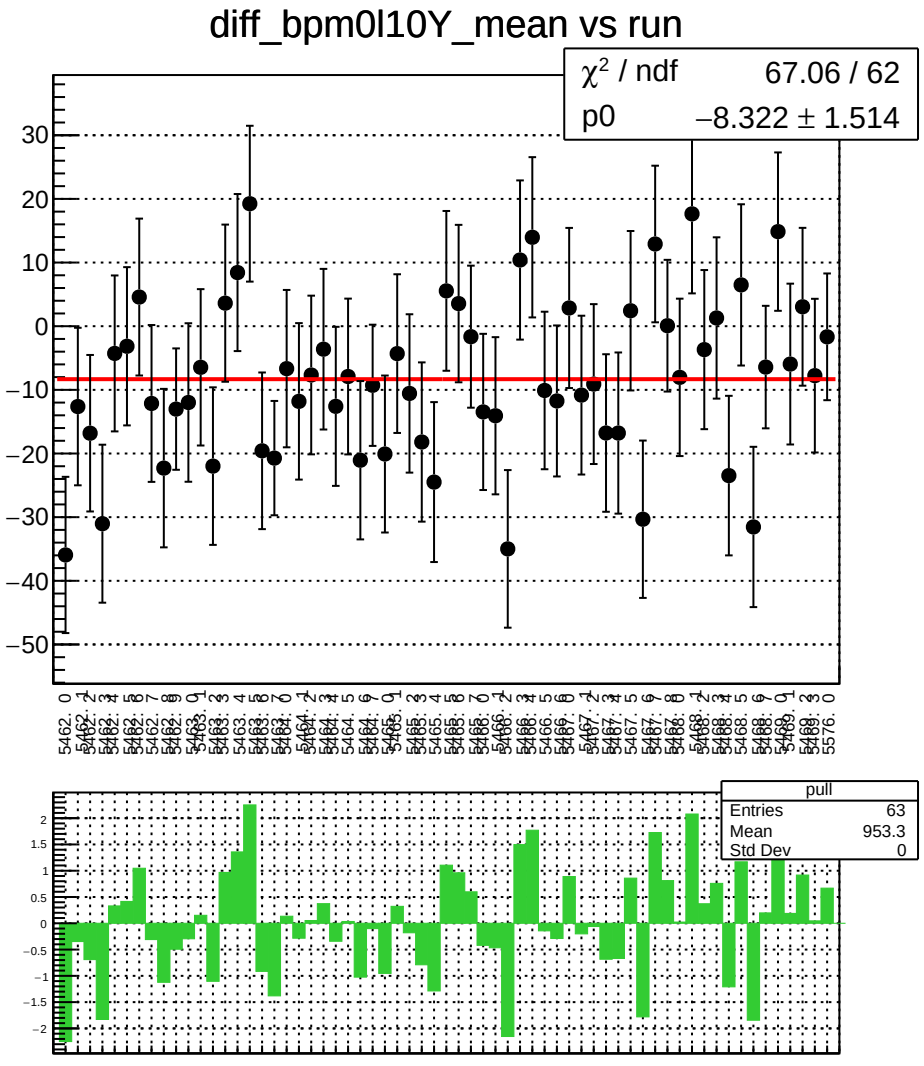

pull1D
Entries 63
Mean −0.001793
Std Dev 1.111

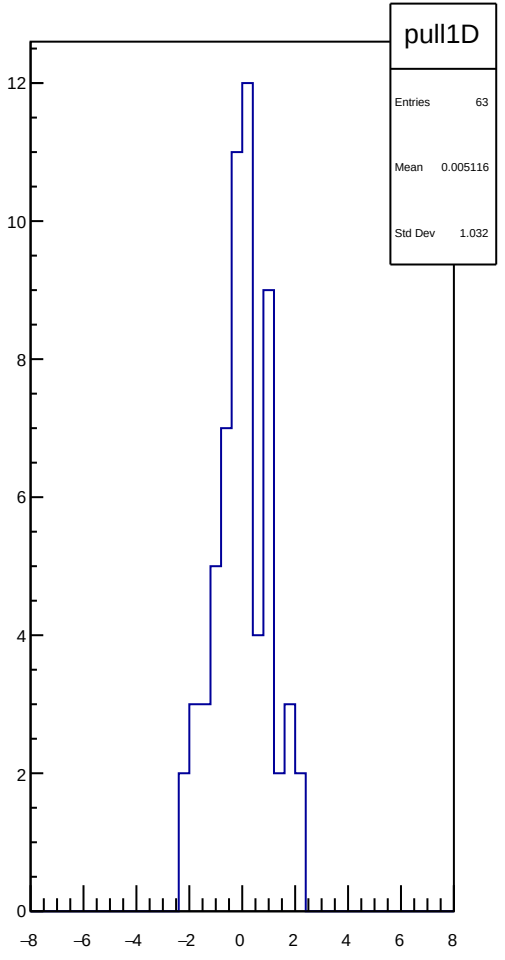

diff_bpm0l09Y_rms vs run
χ² / ndf 962.8 / 62
p0 1351 ± 1.228
1450
1400
1350
1300
1250
1200
1150

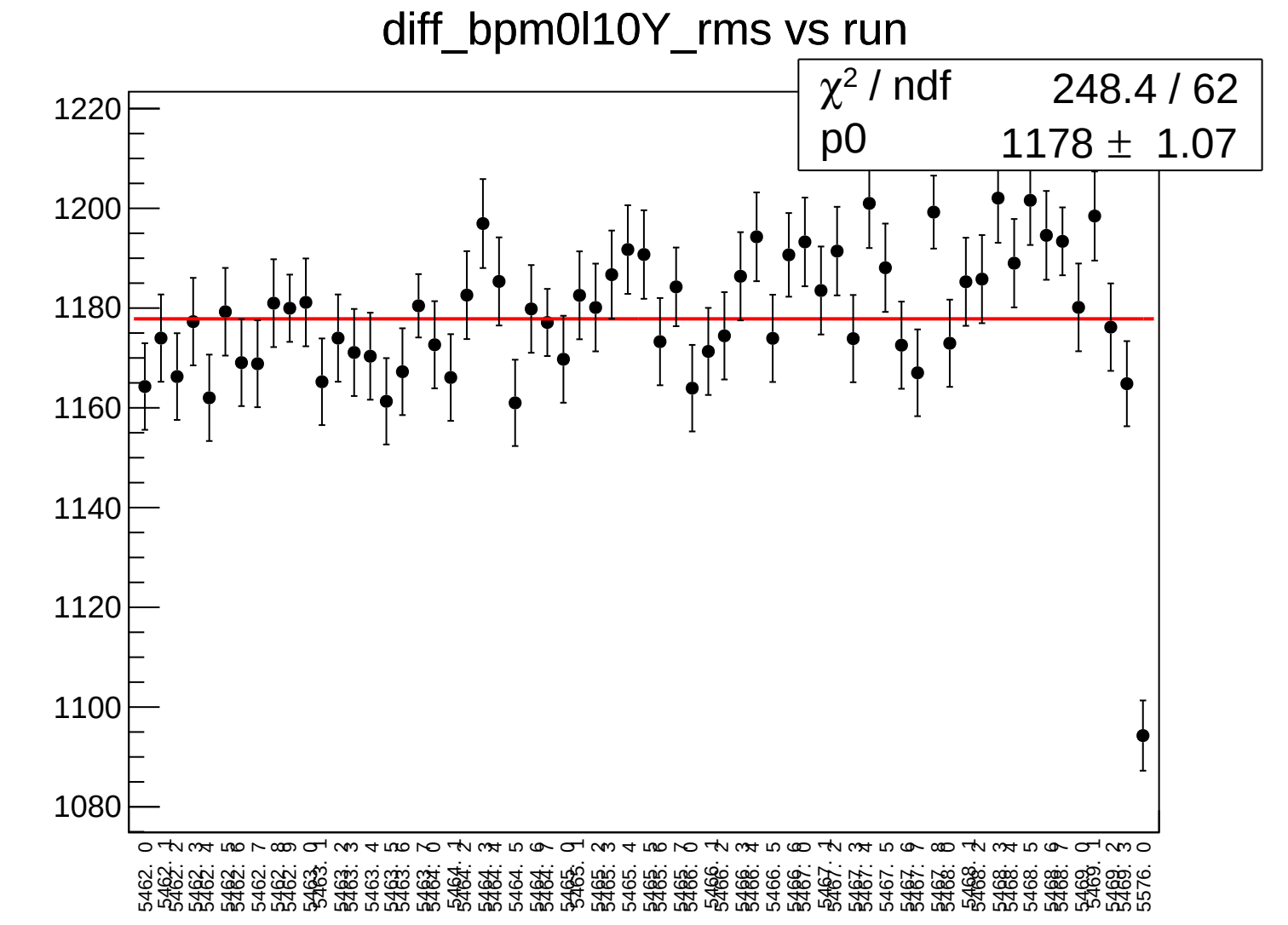

diff_bpm0l10X_mean vs run
χ² / ndf 65.42 / 62
p0 3.432 ± 10.67
pull
Entries 63
Mean 110.2
Std Dev 0

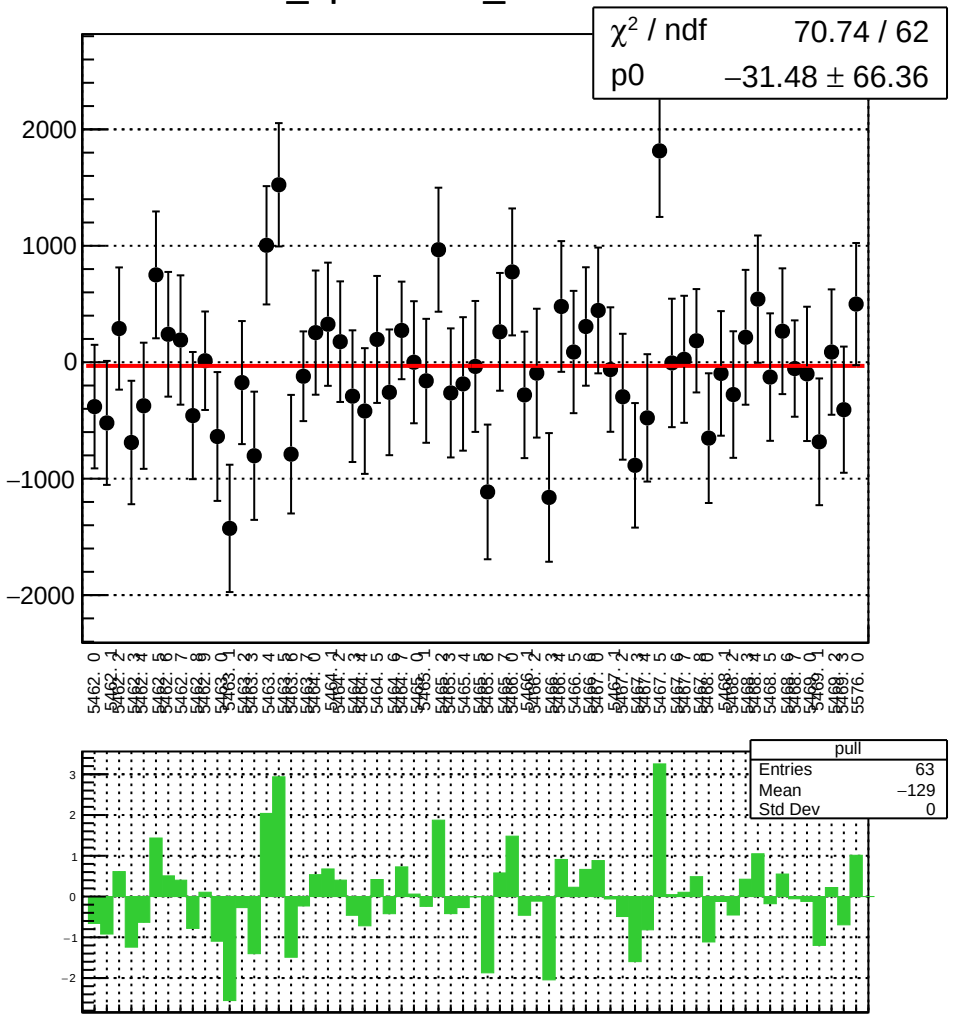

pull1D
Entries 63
Mean −0.006301
Std Dev 1.019

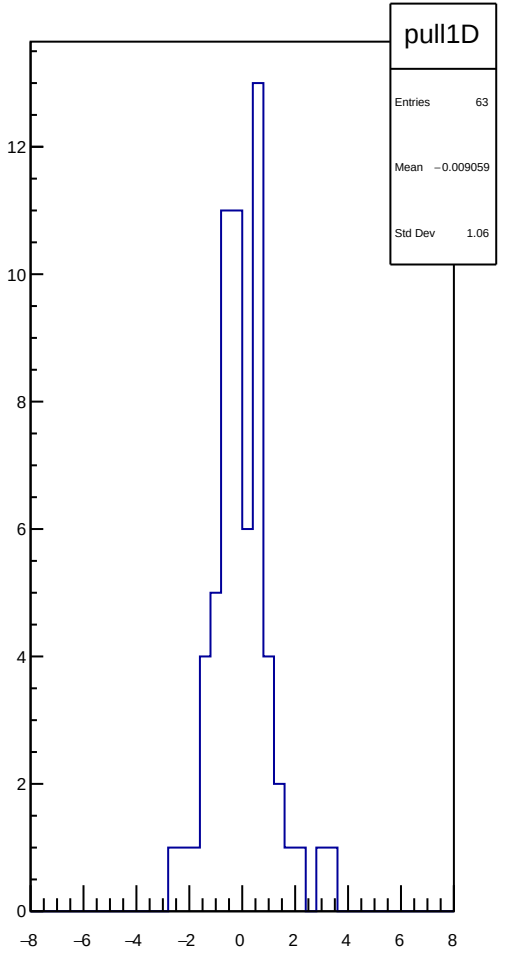

diff_bpm0l10X_rms vs run
χ² / ndf 2.051e+04 / 62
p0 8234 ± 7.547
10000
9000
8000
7000
6000
5000

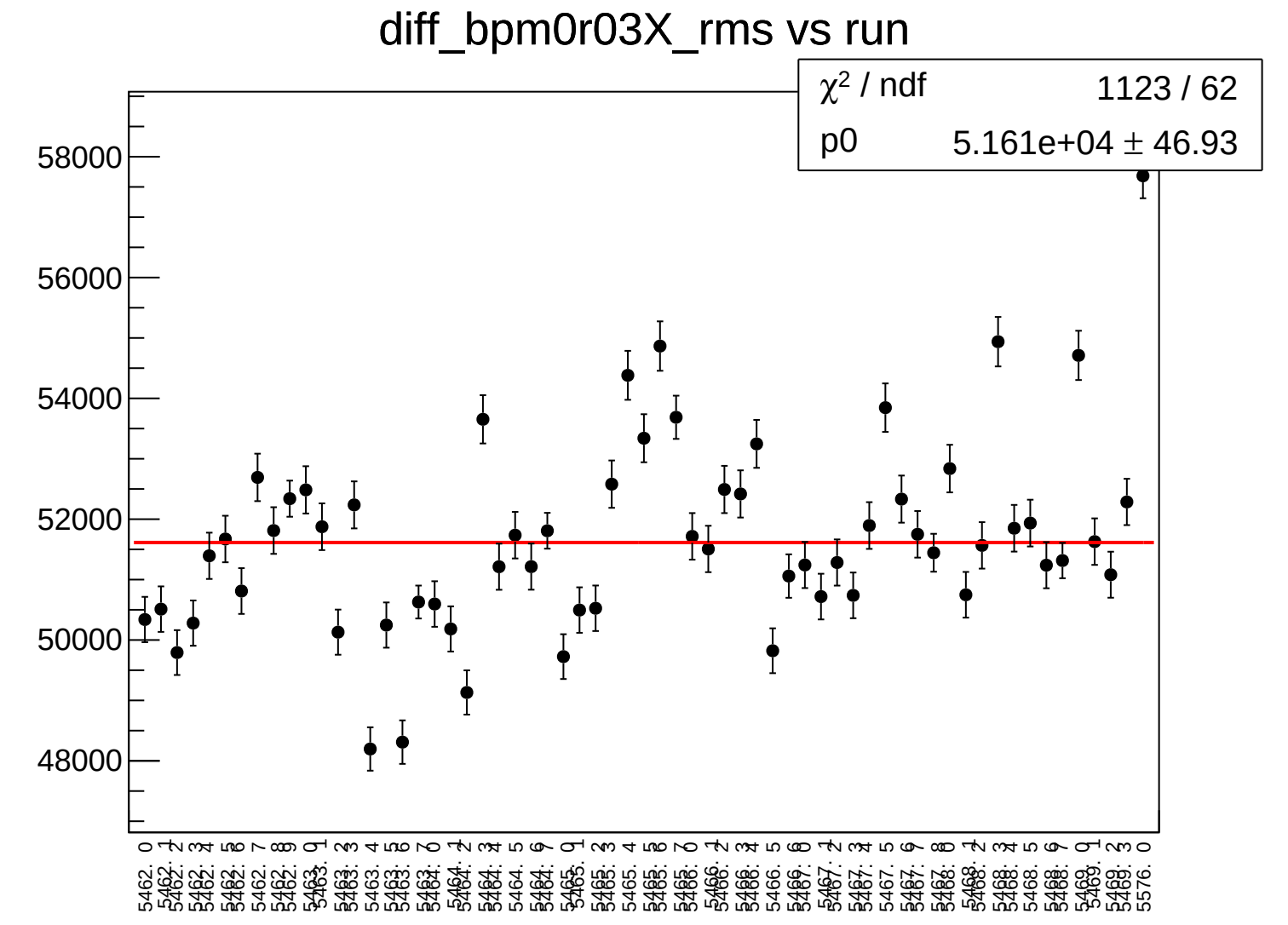

diff_bpm0l10Y_mean vs run
χ² / ndf 67.06 / 62
p0 −8.322 ± 1.514
pull
Entries 63
Mean 953.3
Std Dev 0

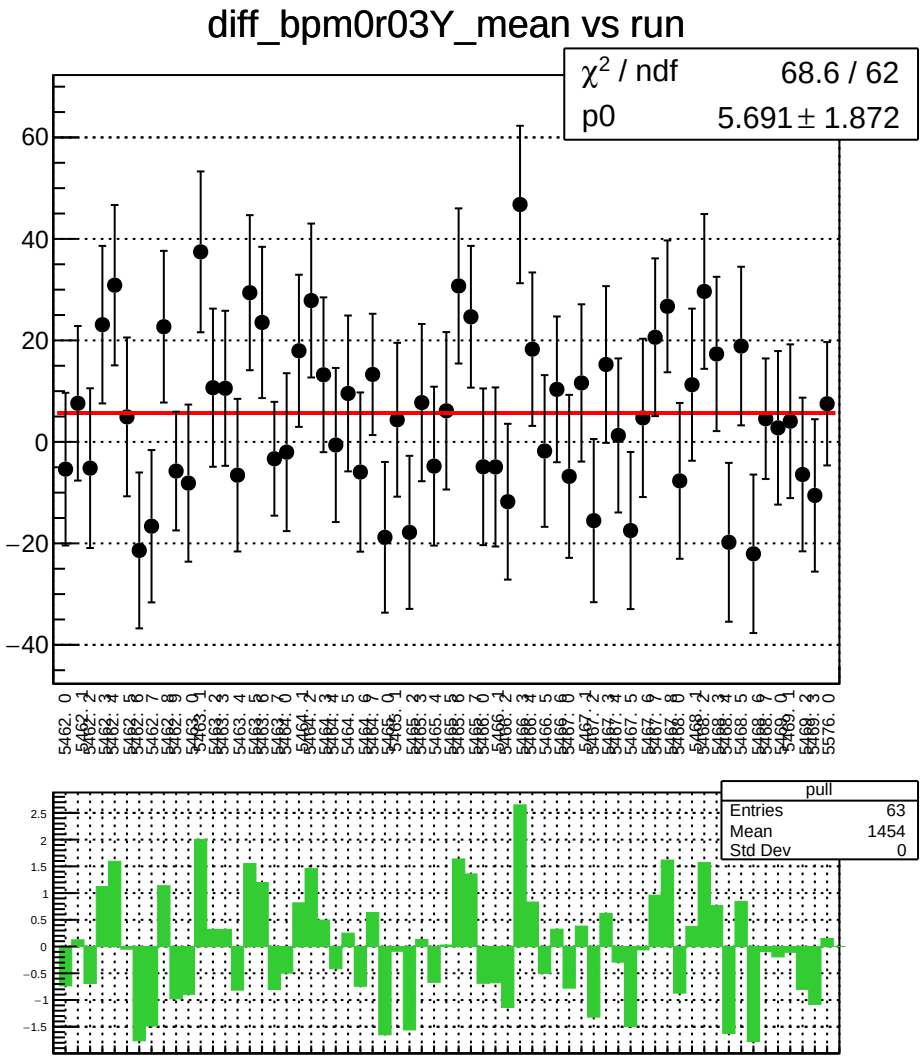

pull1D
Entries 63
Mean 0.005116
Std Dev 1.032

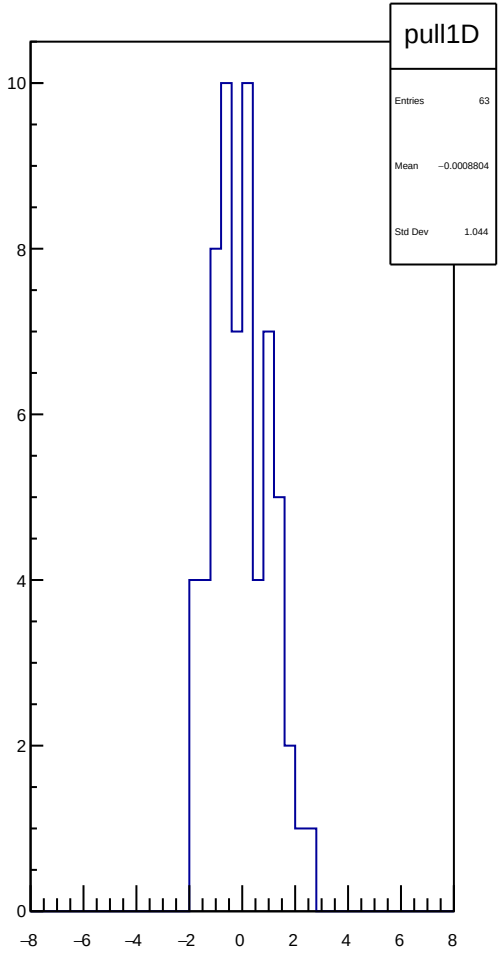

diff_bpm0l10Y_rms vs run
χ² / ndf 248.4 / 62
p0 1178 ± 1.07
1220
1200
1180
1160
1140
1120
1100
1080

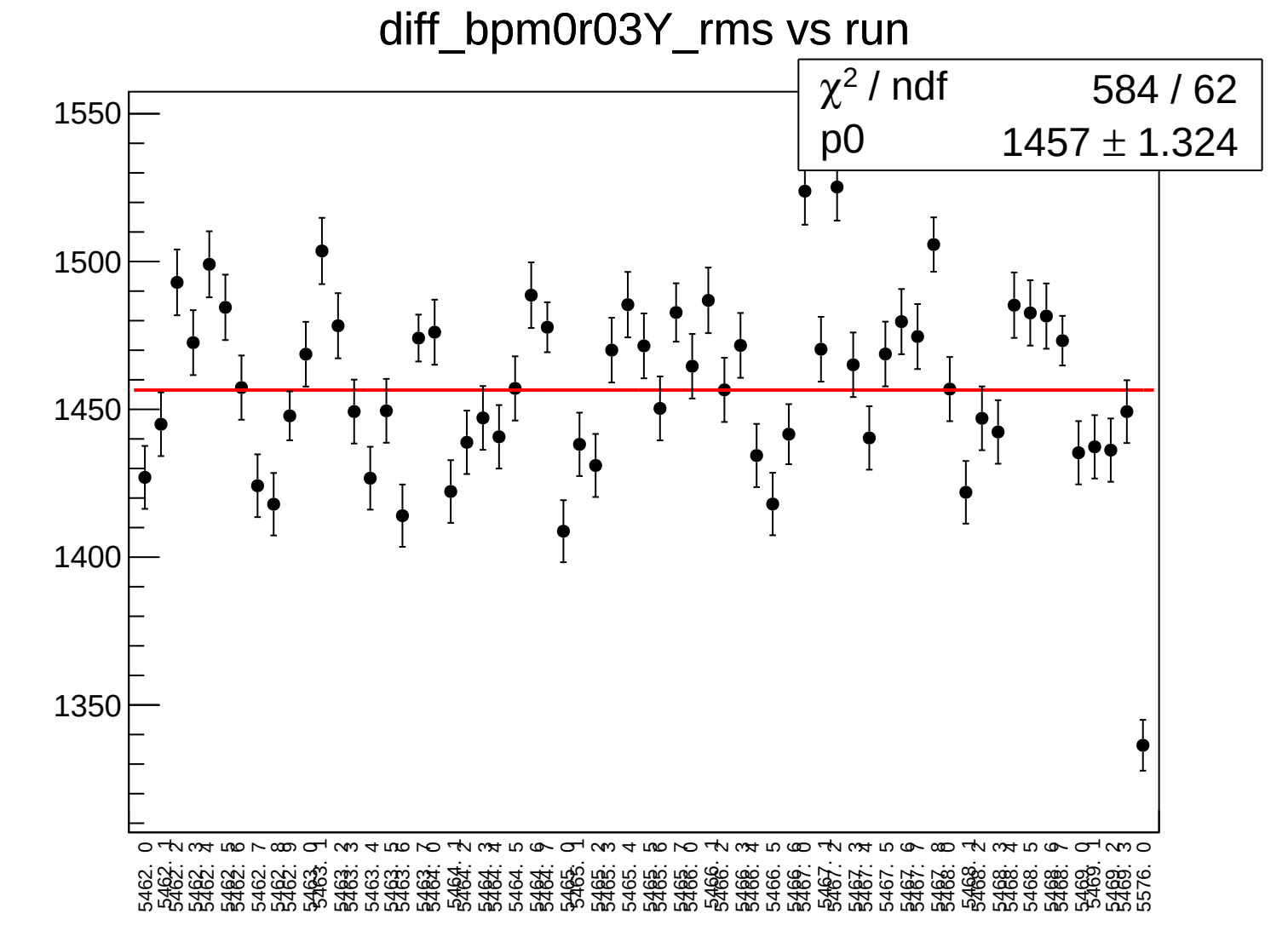

diff_bpm0r03X_mean vs run
χ² / ndf 70.74 / 62
p0 −31.48 ± 66.36
2000
1000
0
−1000
−2000
pull
Entries 63
Mean −129
Std Dev 0
3
2
1
0
−1
−2

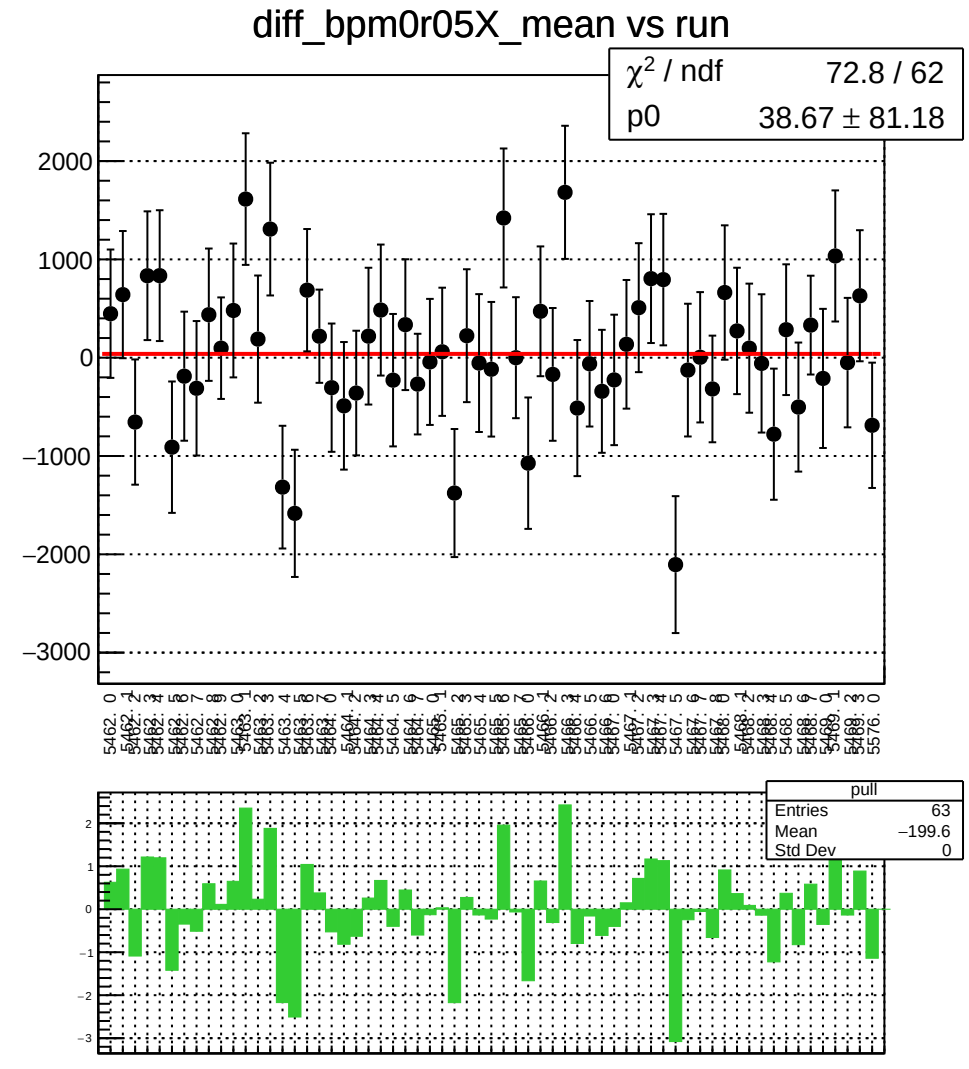

pull1D
Entries 63
Mean −0.009059
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

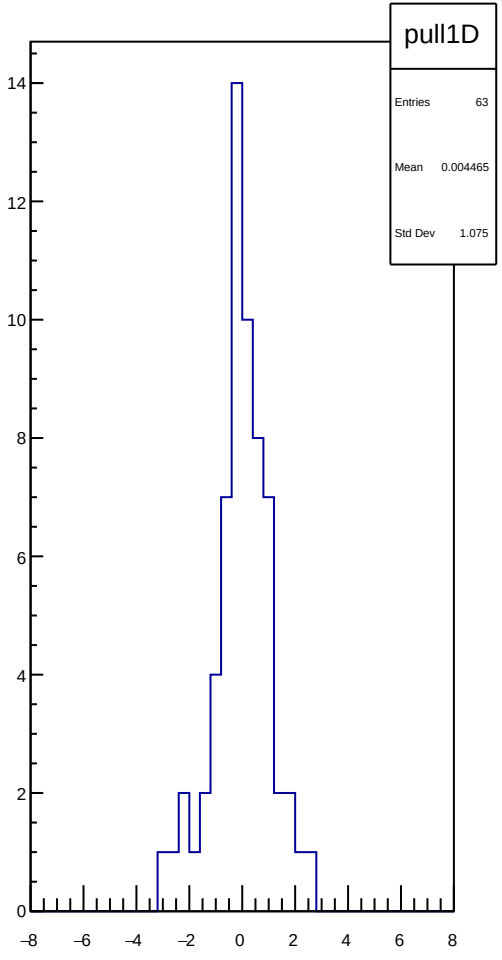

diff_bpm0r03X_rms vs run
χ² / ndf 1123 / 62
p0 5.161e+04 ± 46.93
58000
56000
54000
52000
50000
48000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

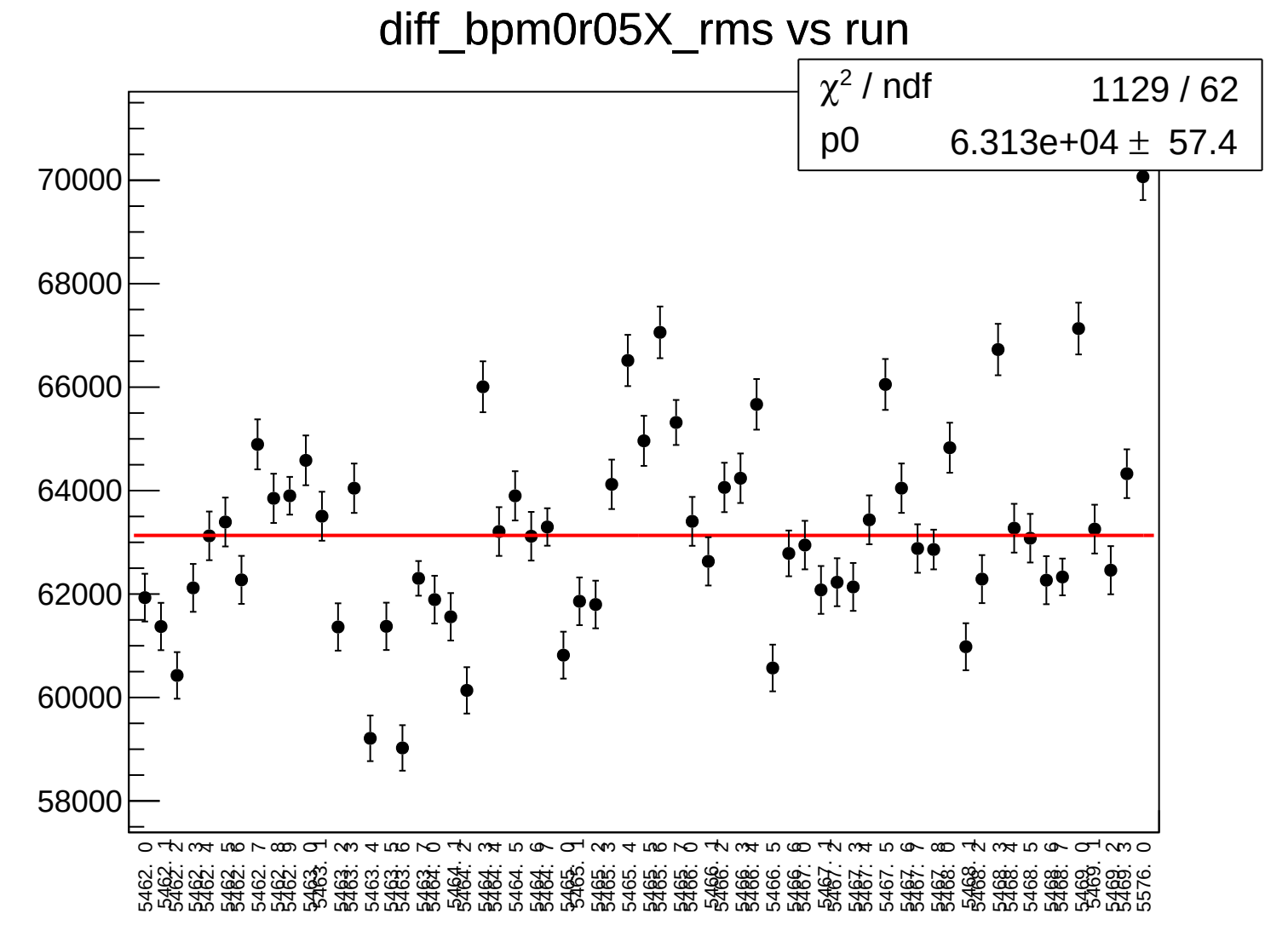

diff_bpm0r03Y_mean vs run
χ² / ndf 68.6 / 62
p0 5.691 ± 1.872
pull
Entries 63
Mean 1454
Std Dev 0


pull1D
Entries 63
Mean −0.0008804
Std Dev 1.044


diff_bpm0r03Y_rms vs run
χ² / ndf 584 / 62
p0 1457 ± 1.324
1550
1500
1450
1400
1350


diff_bpm0r05X_mean vs run
χ^2 / ndf 72.8 / 62
p0 38.67 ± 81.18
2000
1000
0
−1000
−2000
−3000
pull
Entries 63
Mean −199.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 63
Mean 0.004465
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0r05X_rms vs run
χ^2 / ndf 1129 / 62
p0 6.313e+04 ± 57.4
70000
68000
66000
64000
62000
60000
58000
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
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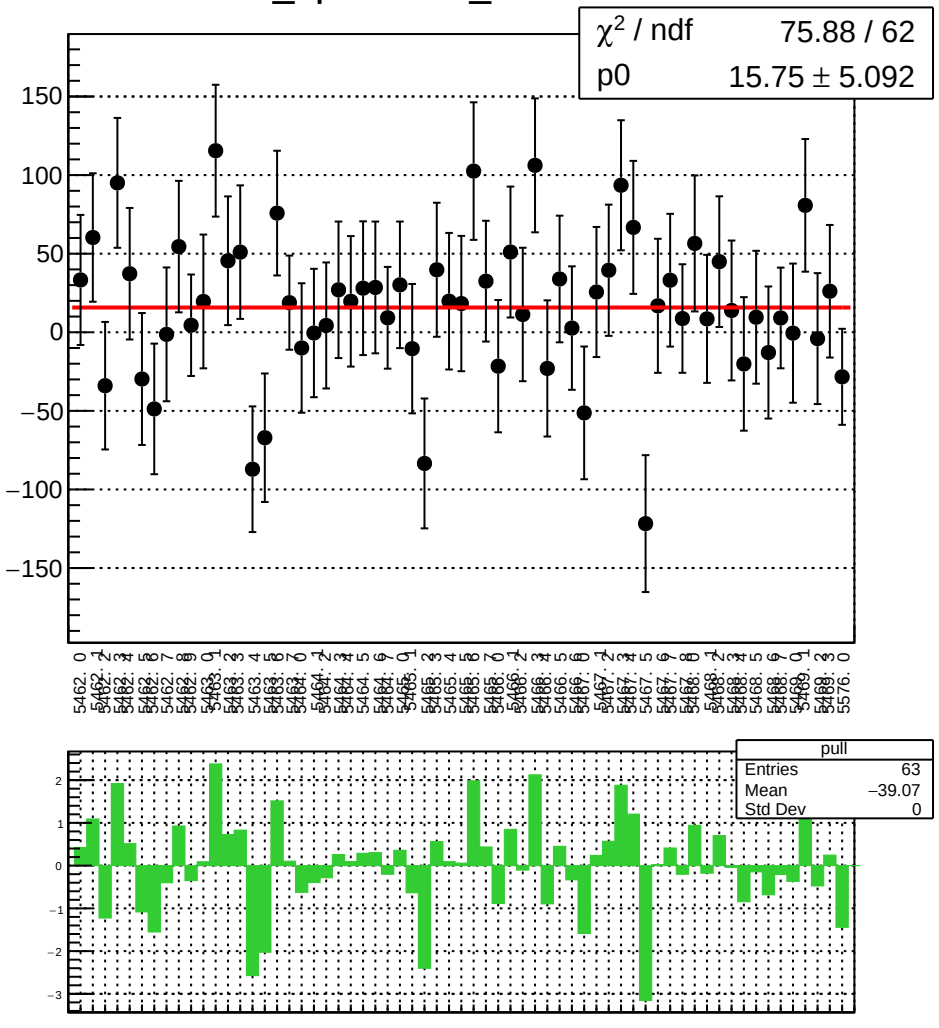
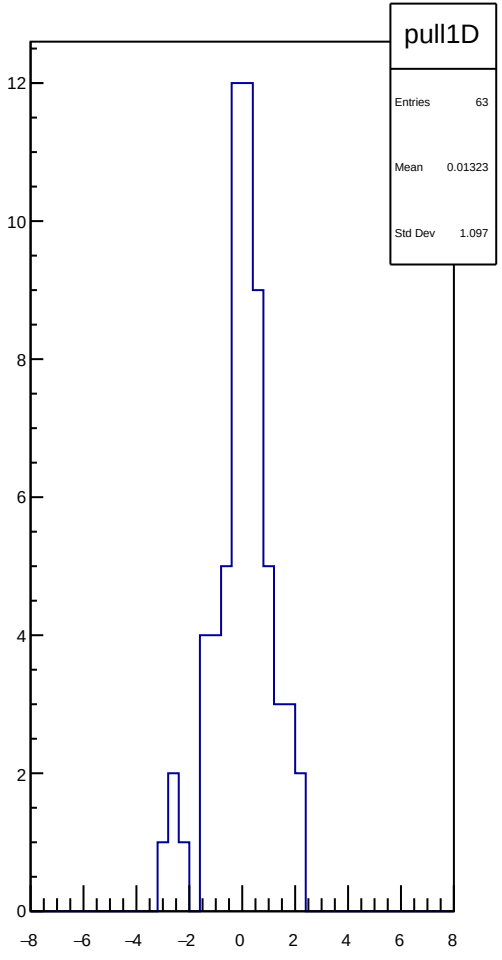
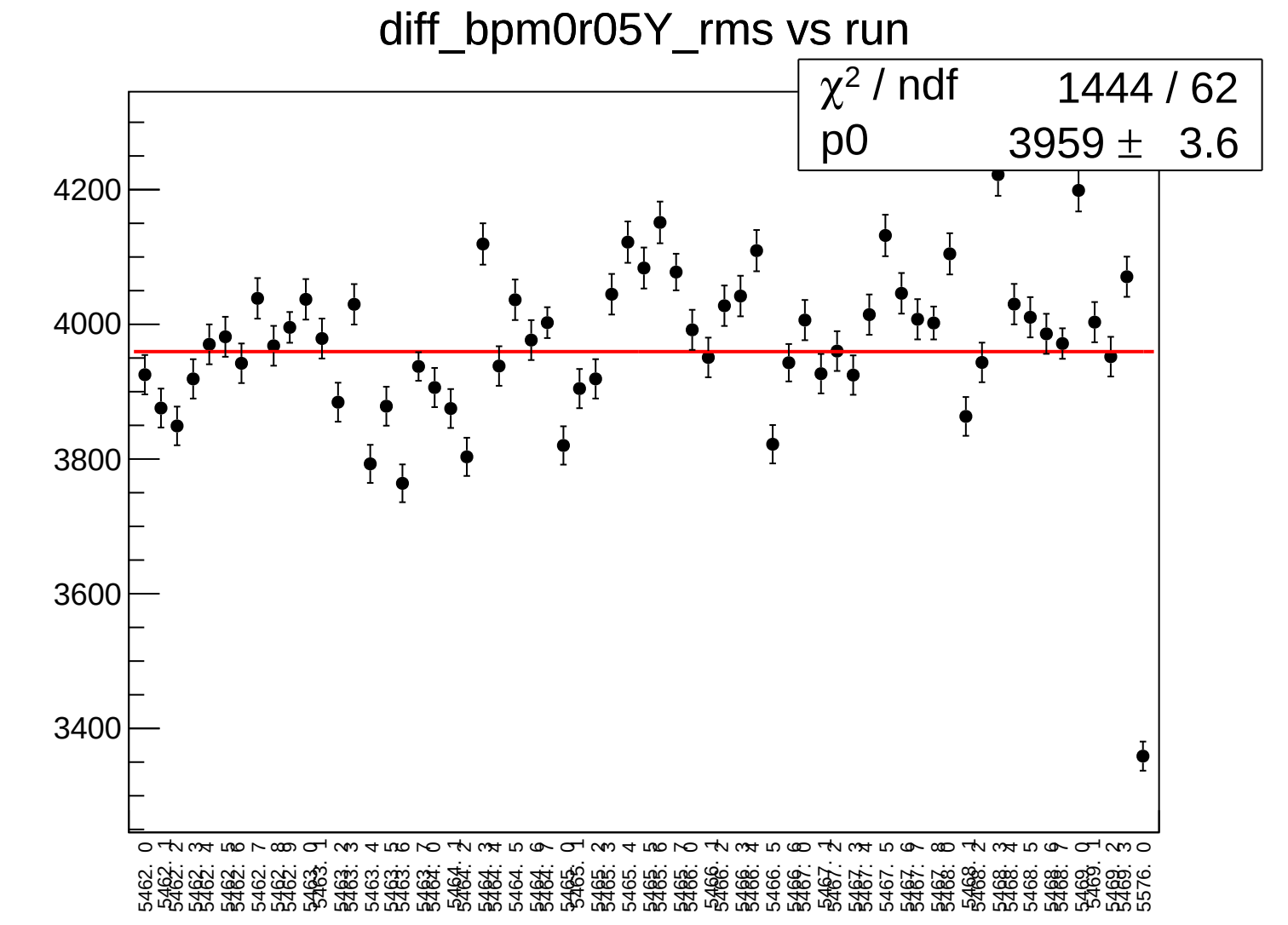
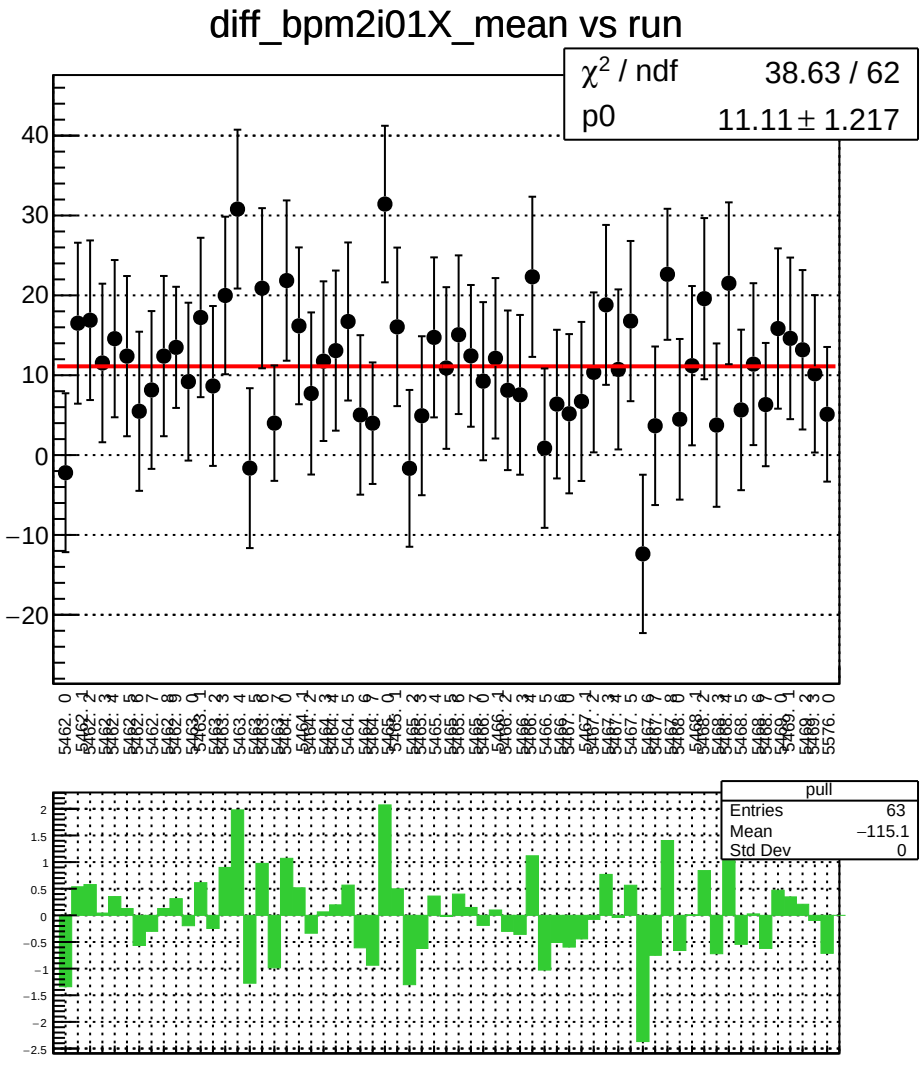
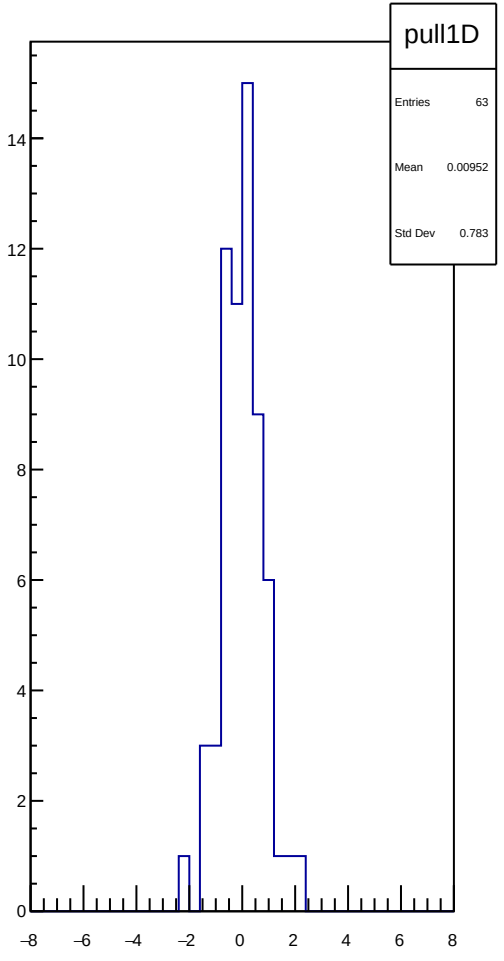
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

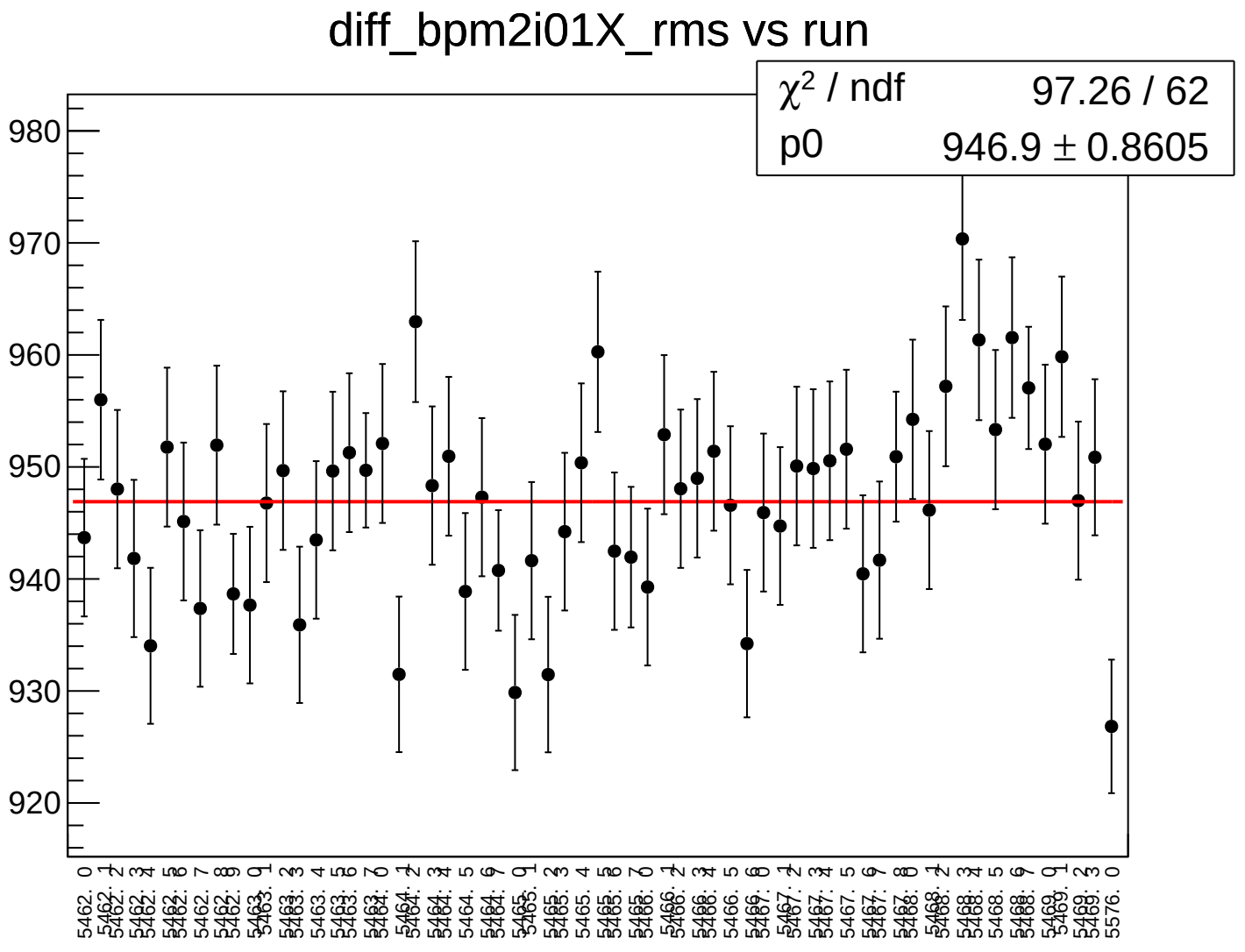

diff_bpm0r05Y_mean vs run
χ² / ndf 75.88 / 62
p0 15.75 ± 5.092
pull
Entries 63
Mean −39.07
Std Dev 0

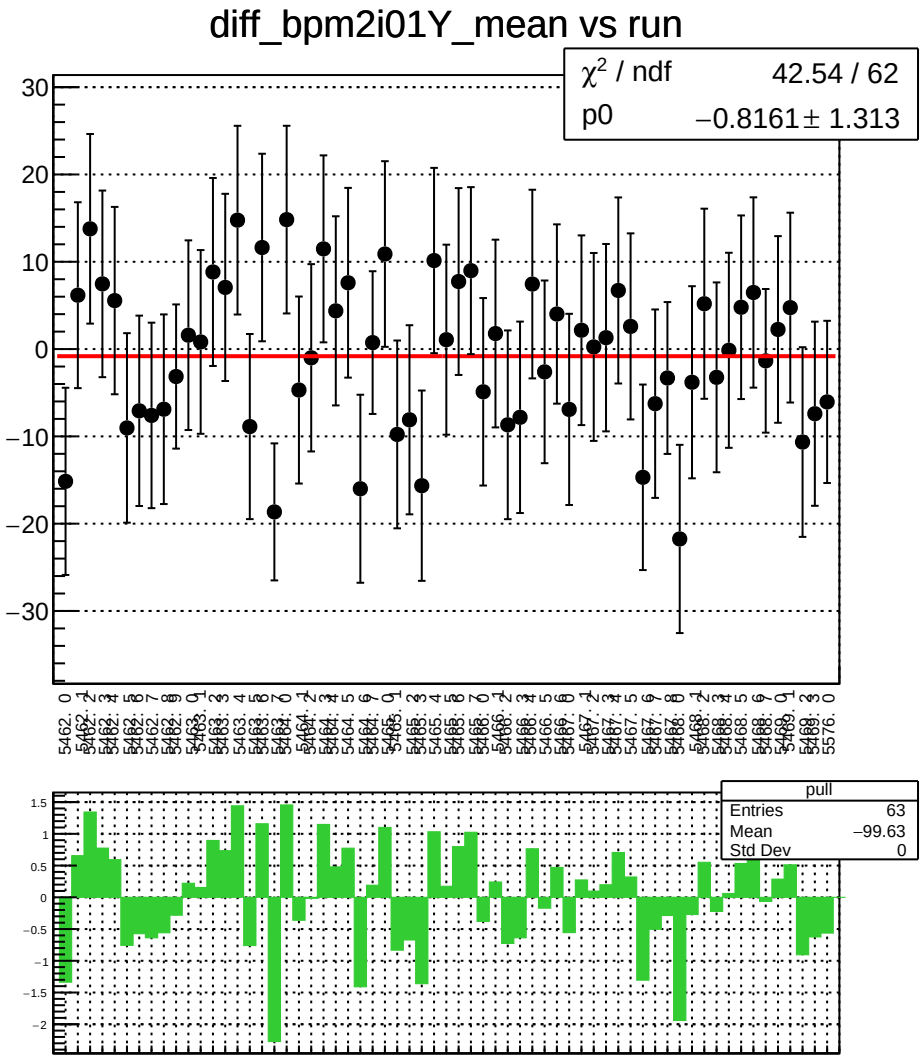

pull1D
Entries 63
Mean 0.01323
Std Dev 1.097

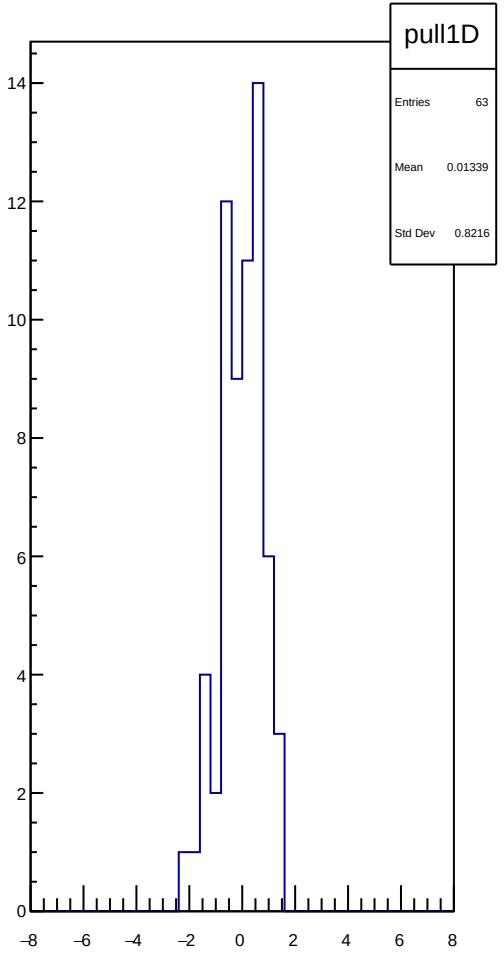

diff_bpm0r05Y_rms vs run
χ² / ndf 1444 / 62
p0 3959 ± 3.6
4200
4000
3800
3600
3400

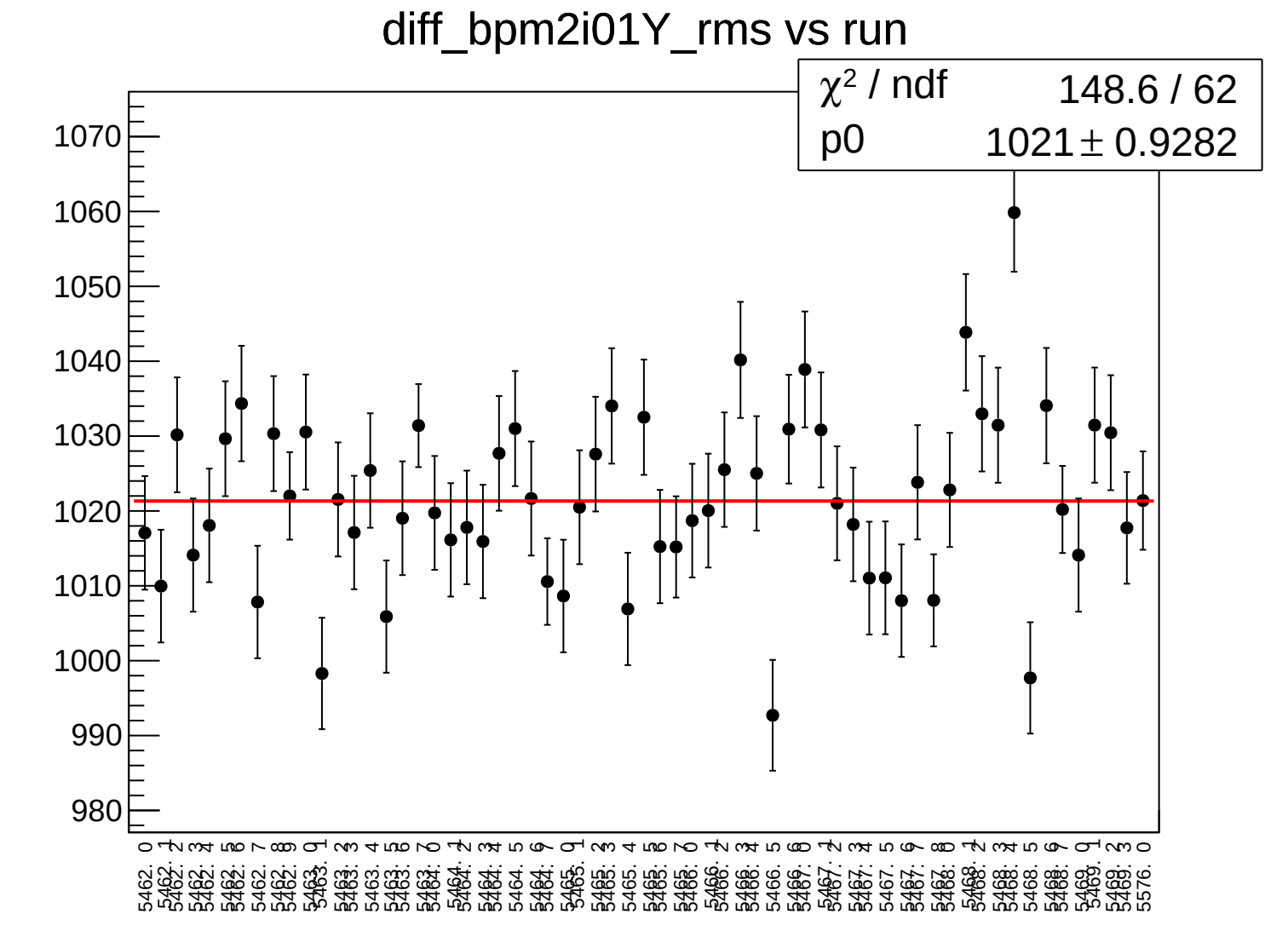

diff_bpm2i01X_mean vs run
χ^2 / ndf 38.63 / 62
p0 11.11 ± 1.217
pull
Entries 63
Mean −115.1
Std Dev 0

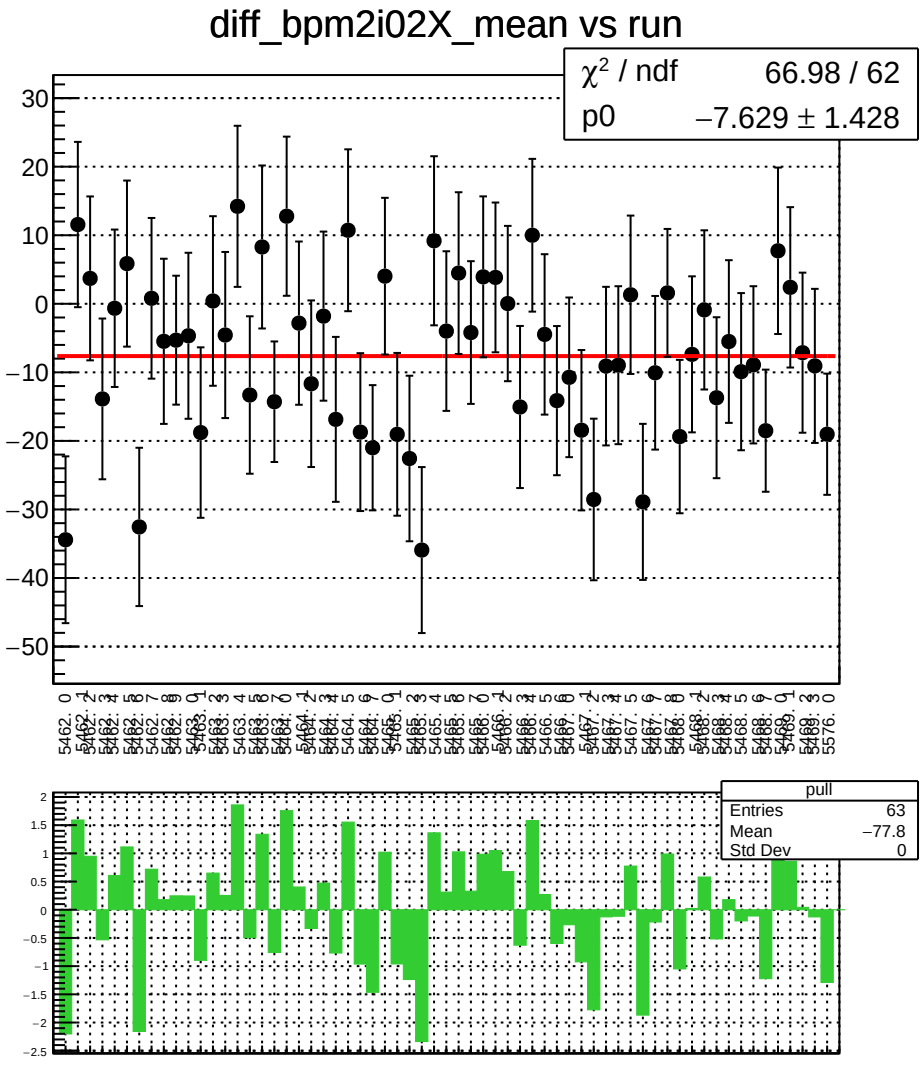

pull1D
Entries 63
Mean 0.00952
Std Dev 0.783

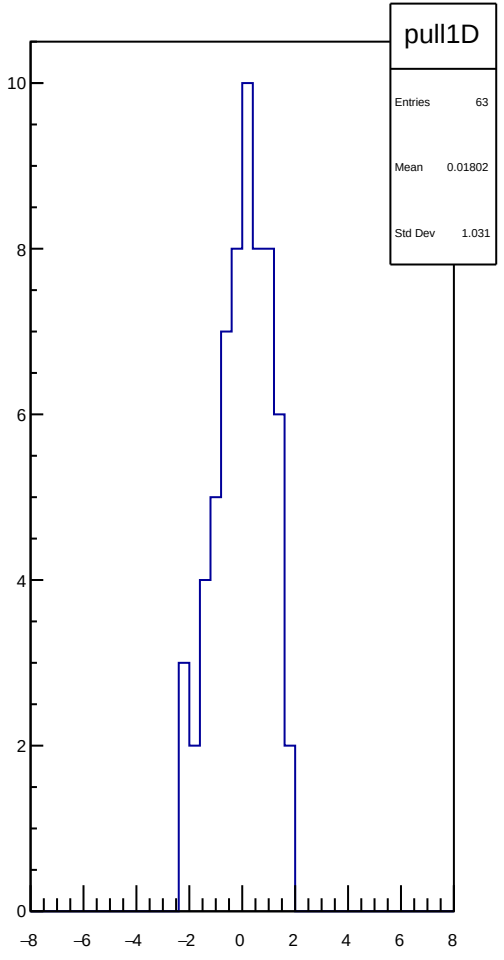

diff_bpm2i01X_rms vs run
χ² / ndf 97.26 / 62
p0 946.9 ± 0.8605
980
970
960
950
940
930
920
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

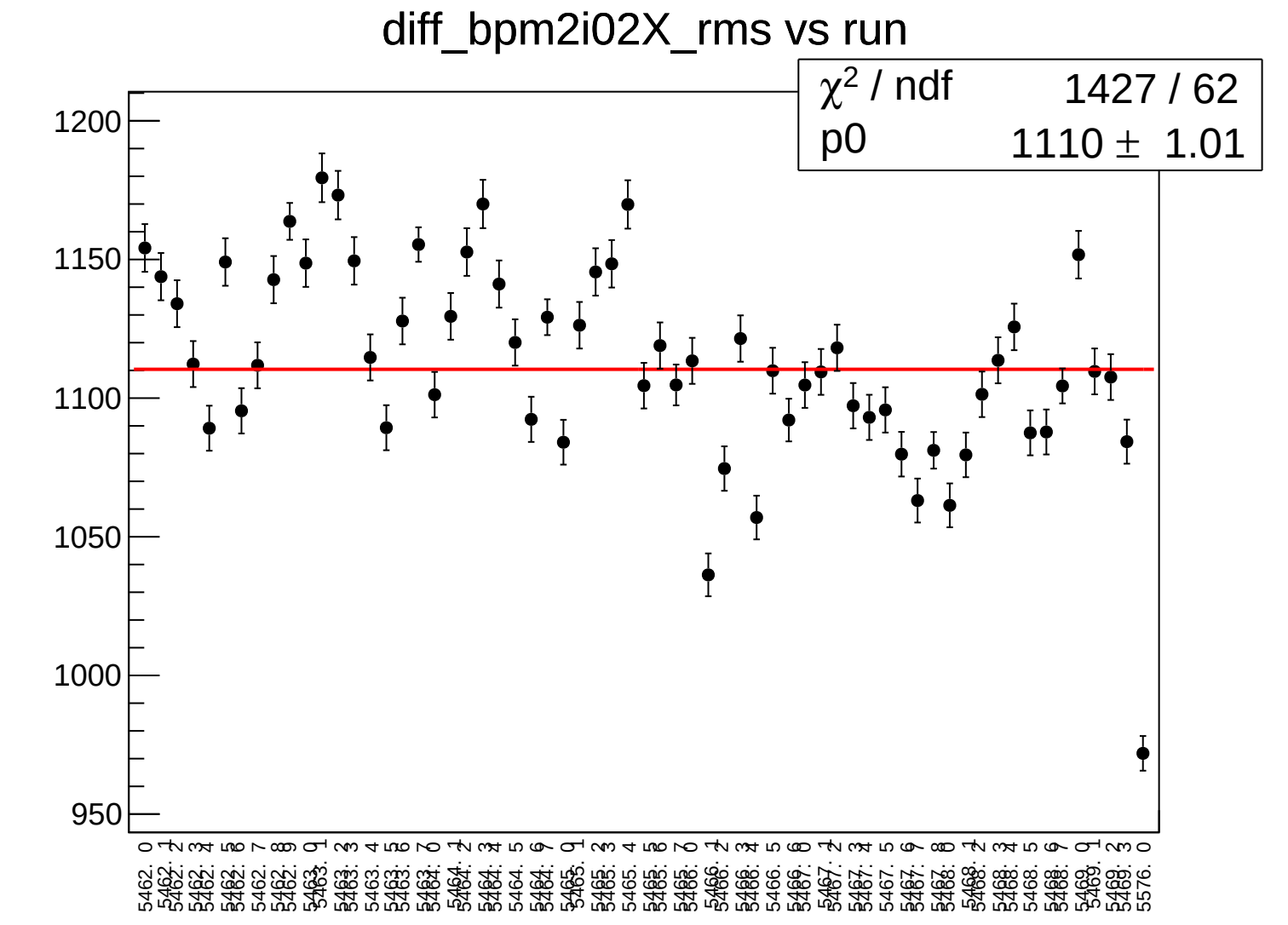

diff_bpm2i01Y_mean vs run
χ² / ndf 42.54 / 62
p0 −0.8161 ± 1.313
pull
Entries 63
Mean −99.63
Std Dev 0

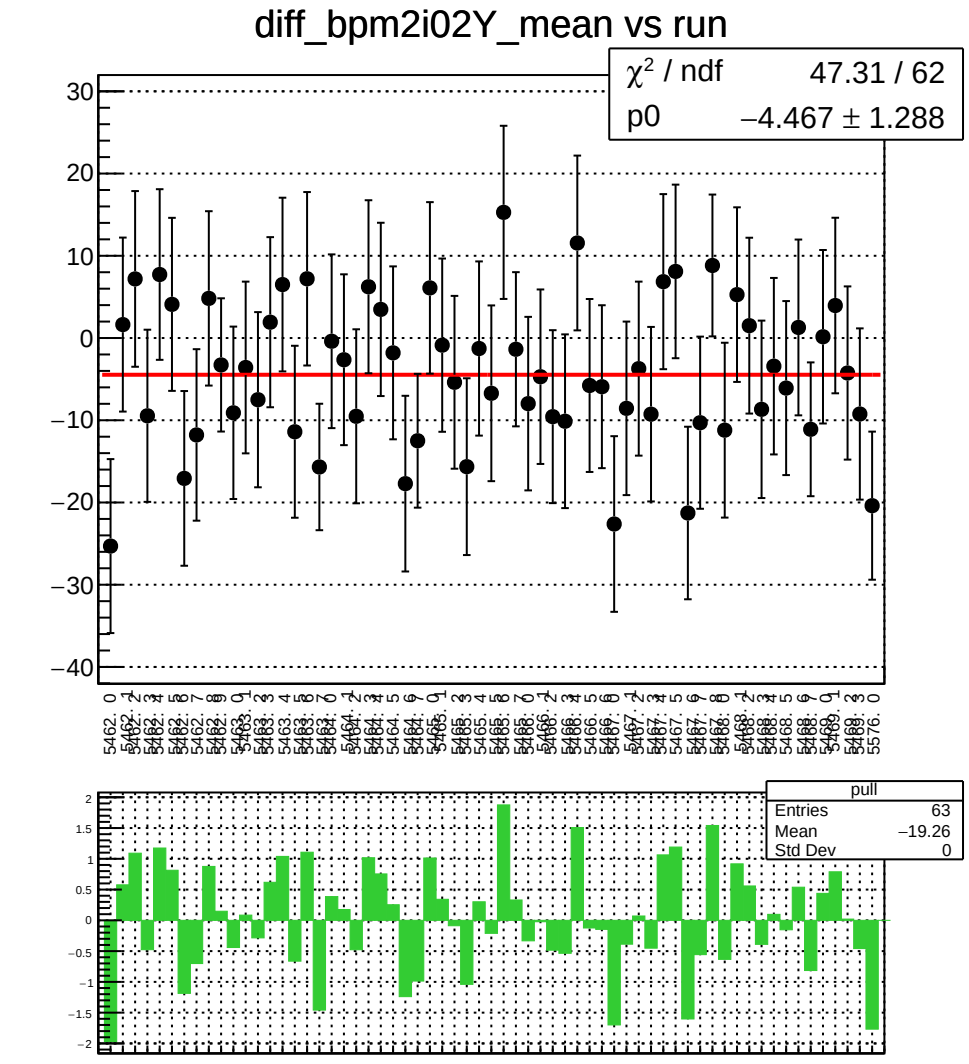

pull1D
Entries 63
Mean 0.01339
Std Dev 0.8216

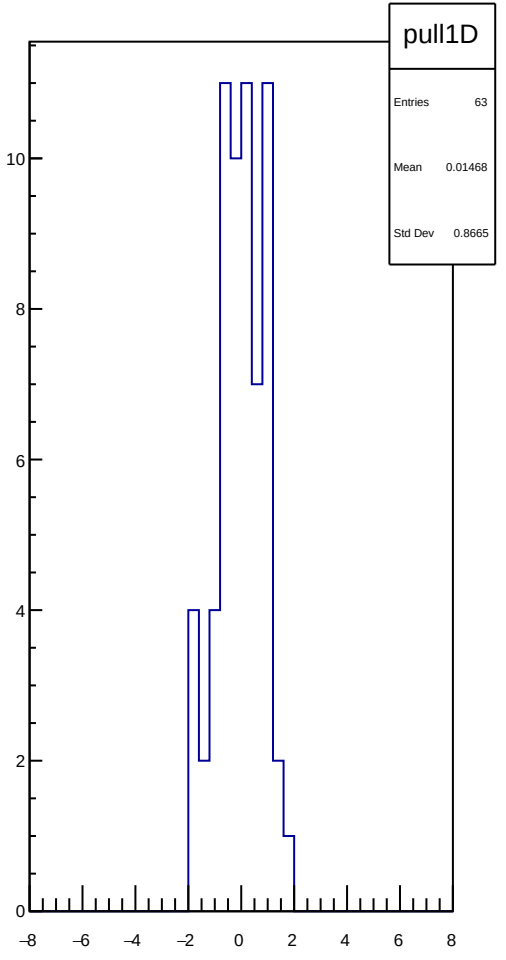

diff_bpm2i01Y_rms vs run
χ² / ndf 148.6 / 62
p0 1021 ± 0.9282
1070
1060
1050
1040
1030
1020
1010
1000
990
980

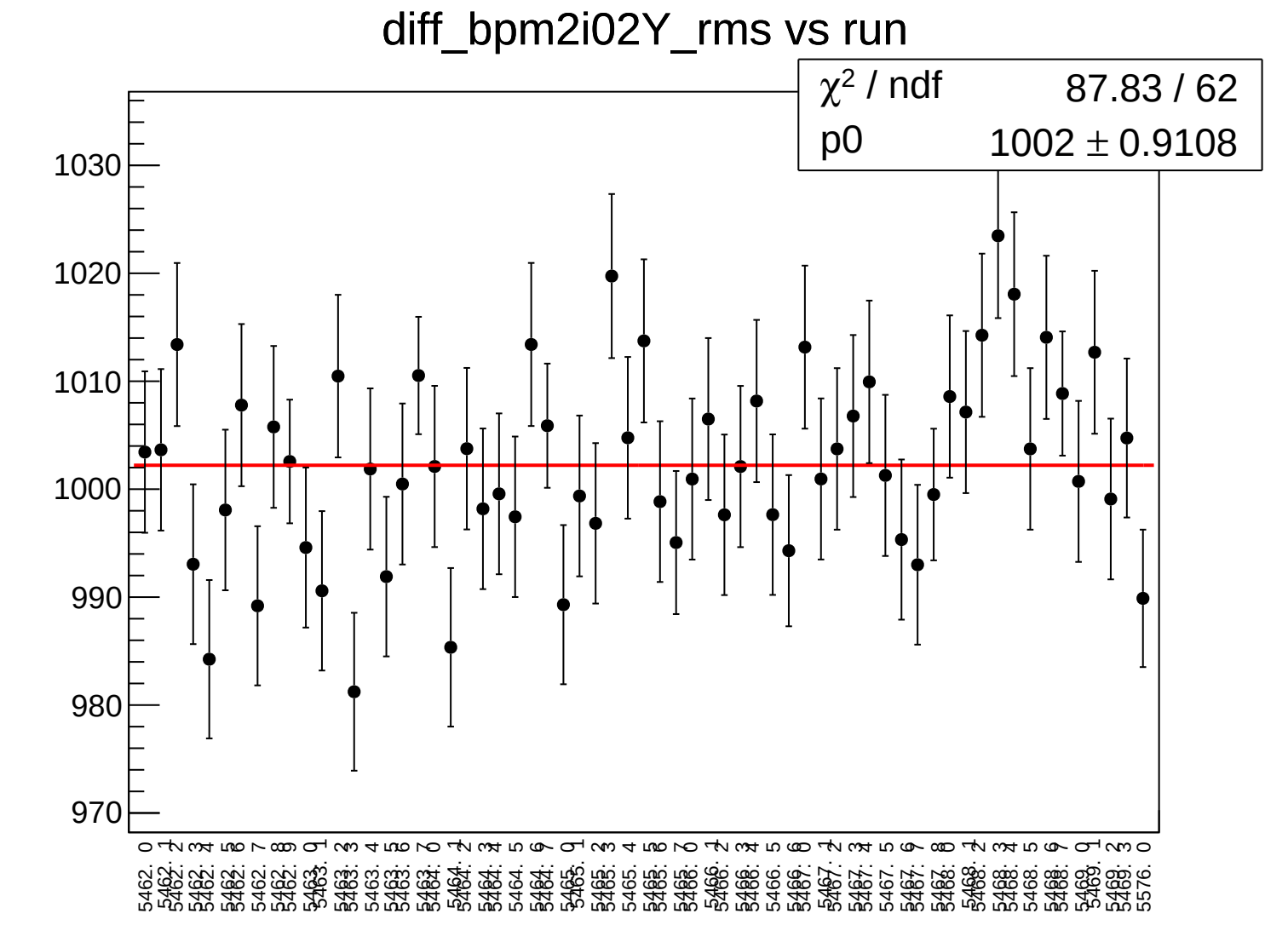

diff_bpm2i02X_mean vs run
χ² / ndf 66.98 / 62
p0 −7.629 ± 1.428
pull
Entries 63
Mean −77.8
Std Dev 0

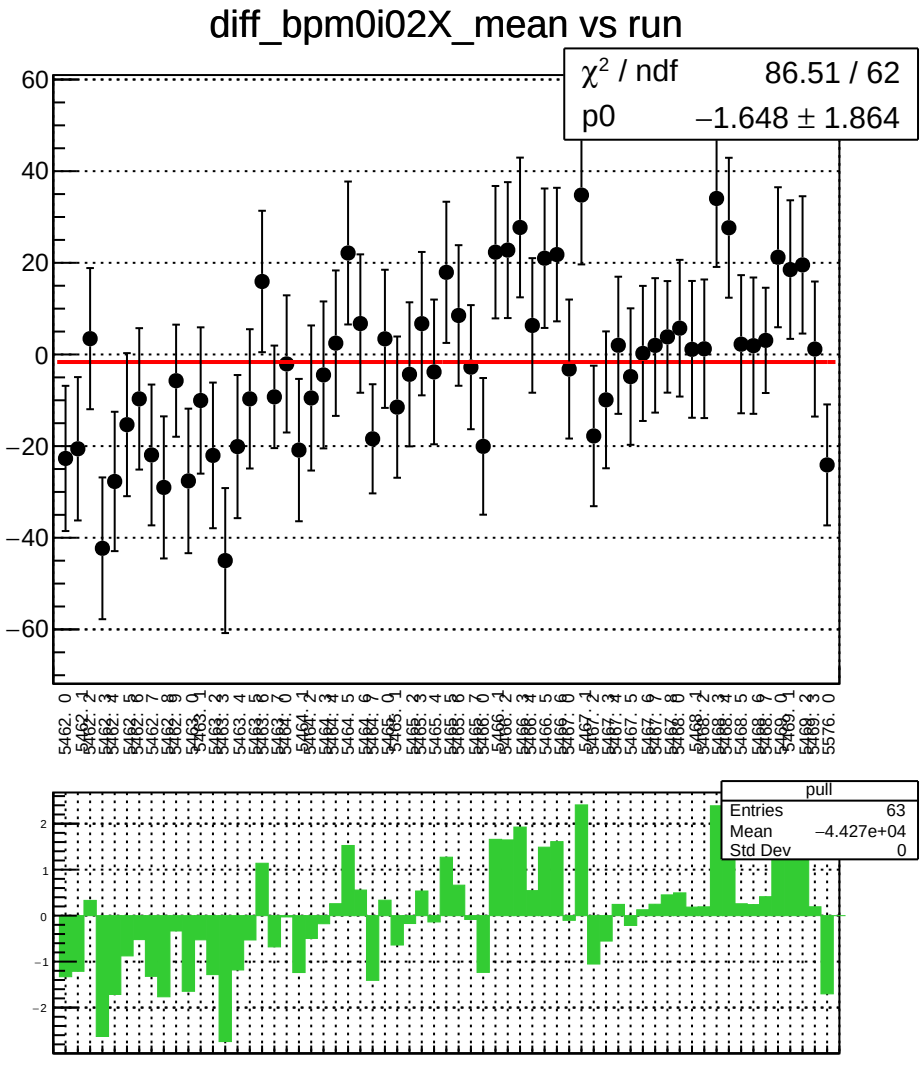

pull1D
Entries 63
Mean 0.01802
Std Dev 1.031

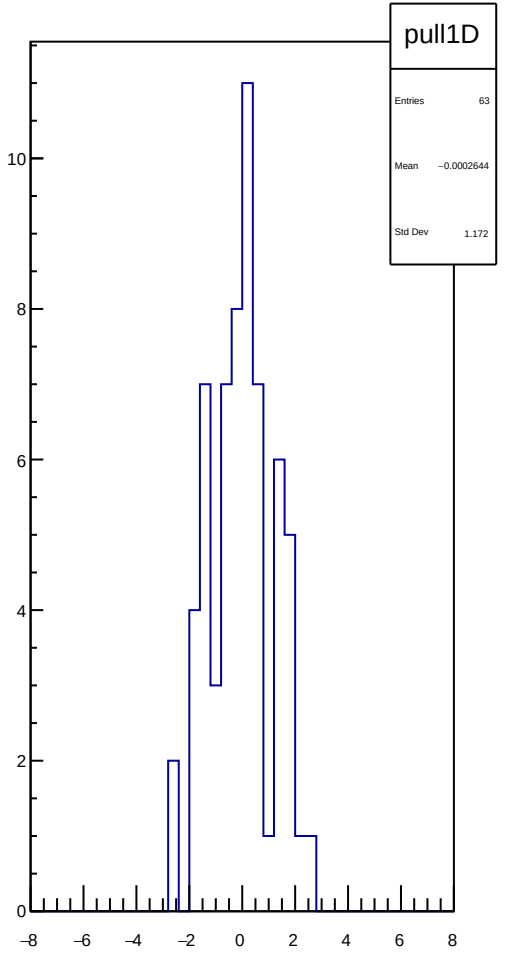

diff_bpm2i02X_rms vs run
χ² / ndf 1427 / 62
p0 1110 ± 1.01
1200
1150
1100
1050
1000
950

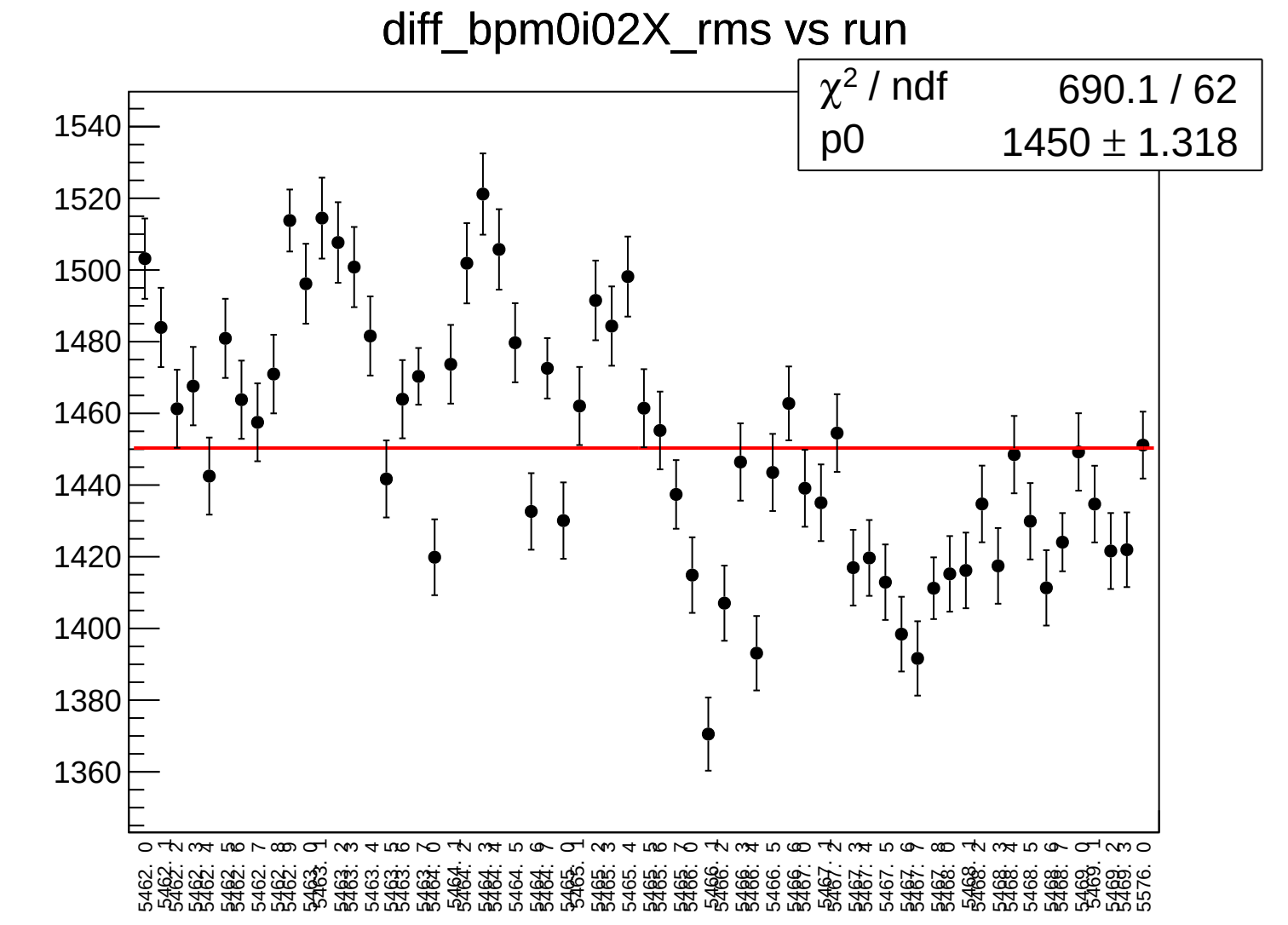

diff_bpm2i02Y_mean vs run
χ² / ndf 47.31 / 62
p0 −4.467 ± 1.288
pull
Entries 63
Mean −19.26
Std Dev 0

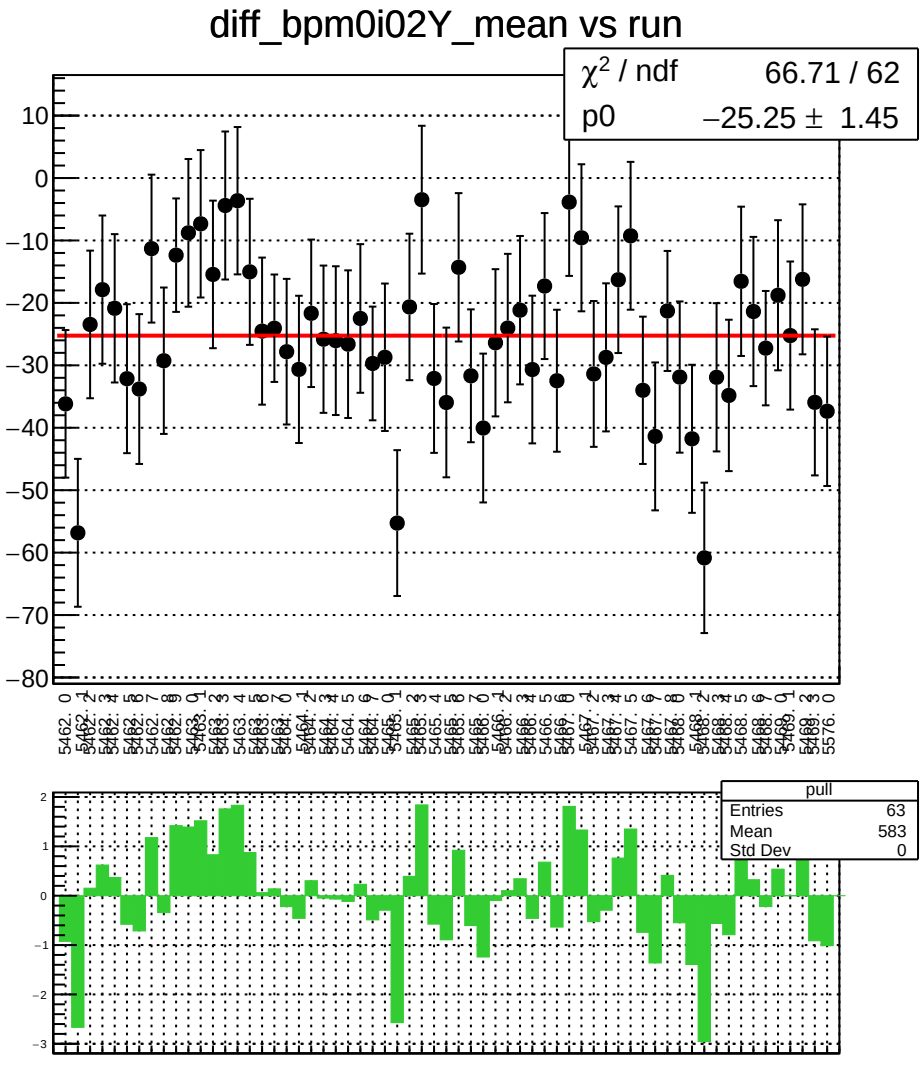

pull1D
Entries 63
Mean 0.01468
Std Dev 0.8665

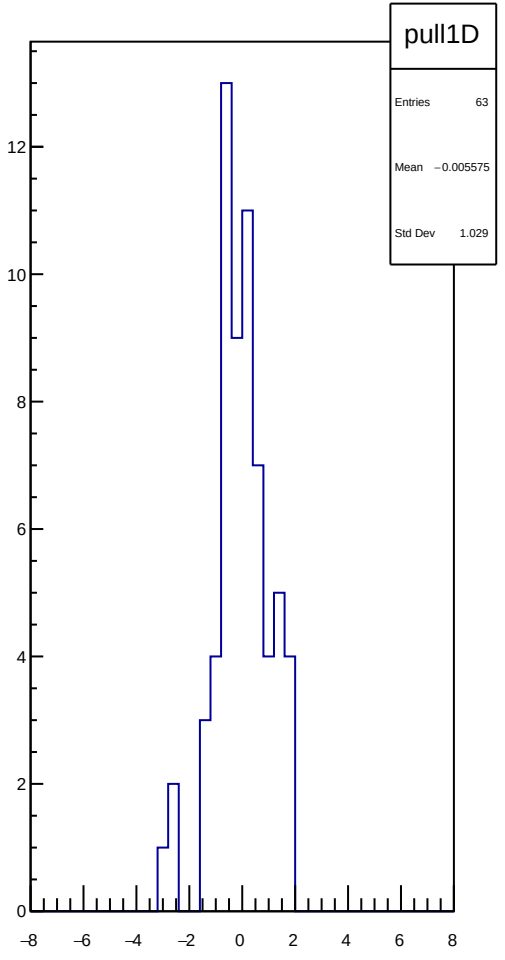

diff_bpm2i02Y_rms vs run
χ² / ndf 87.83 / 62
p0 1002 ± 0.9108
1030
1020
1010
1000
990
980
970

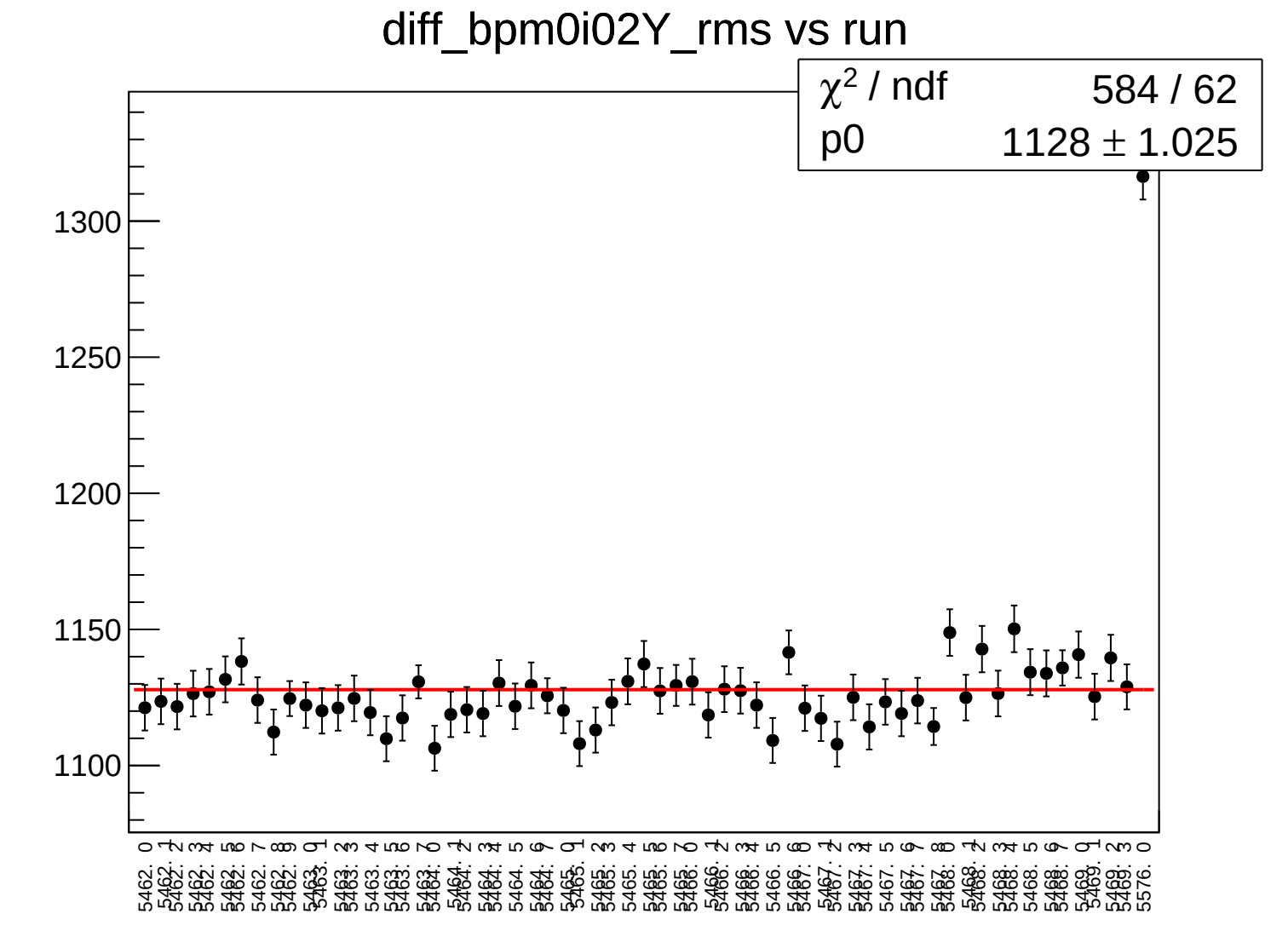

diff_bpm0i02X_mean vs run
χ² / ndf 86.51 / 62
p0 −1.648 ± 1.864
pull
Entries 63
Mean −4.427e+04
Std Dev 0

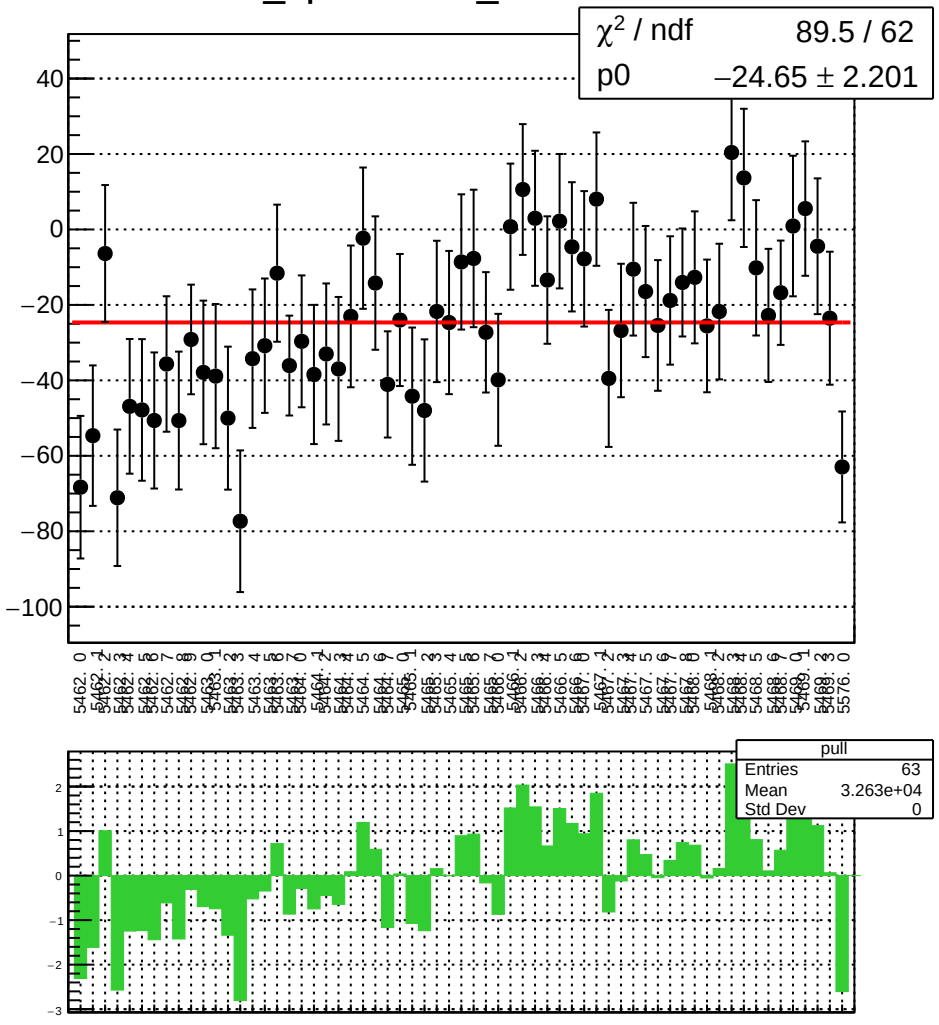

pull1D
Entries 63
Mean −0.0002644
Std Dev 1.172

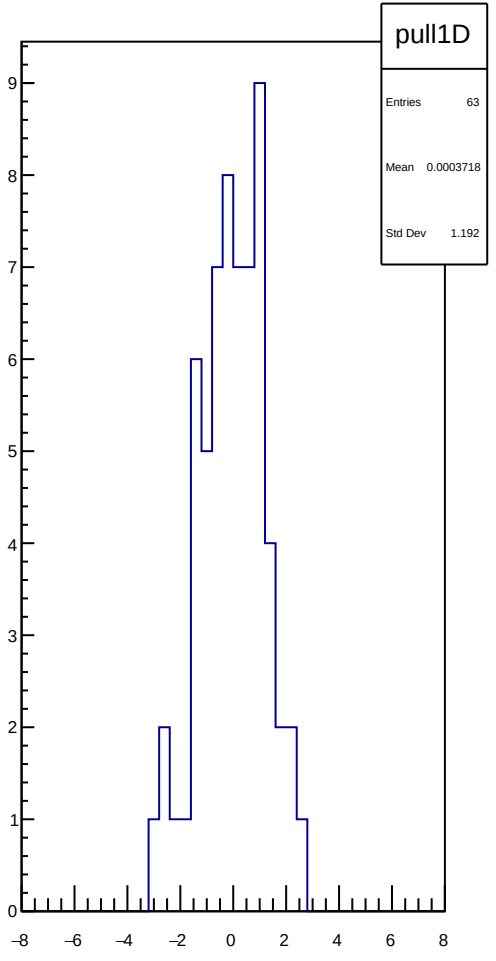

diff_bpm0i02X_rms vs run
χ² / ndf 690.1 / 62
p0 1450 ± 1.318
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360

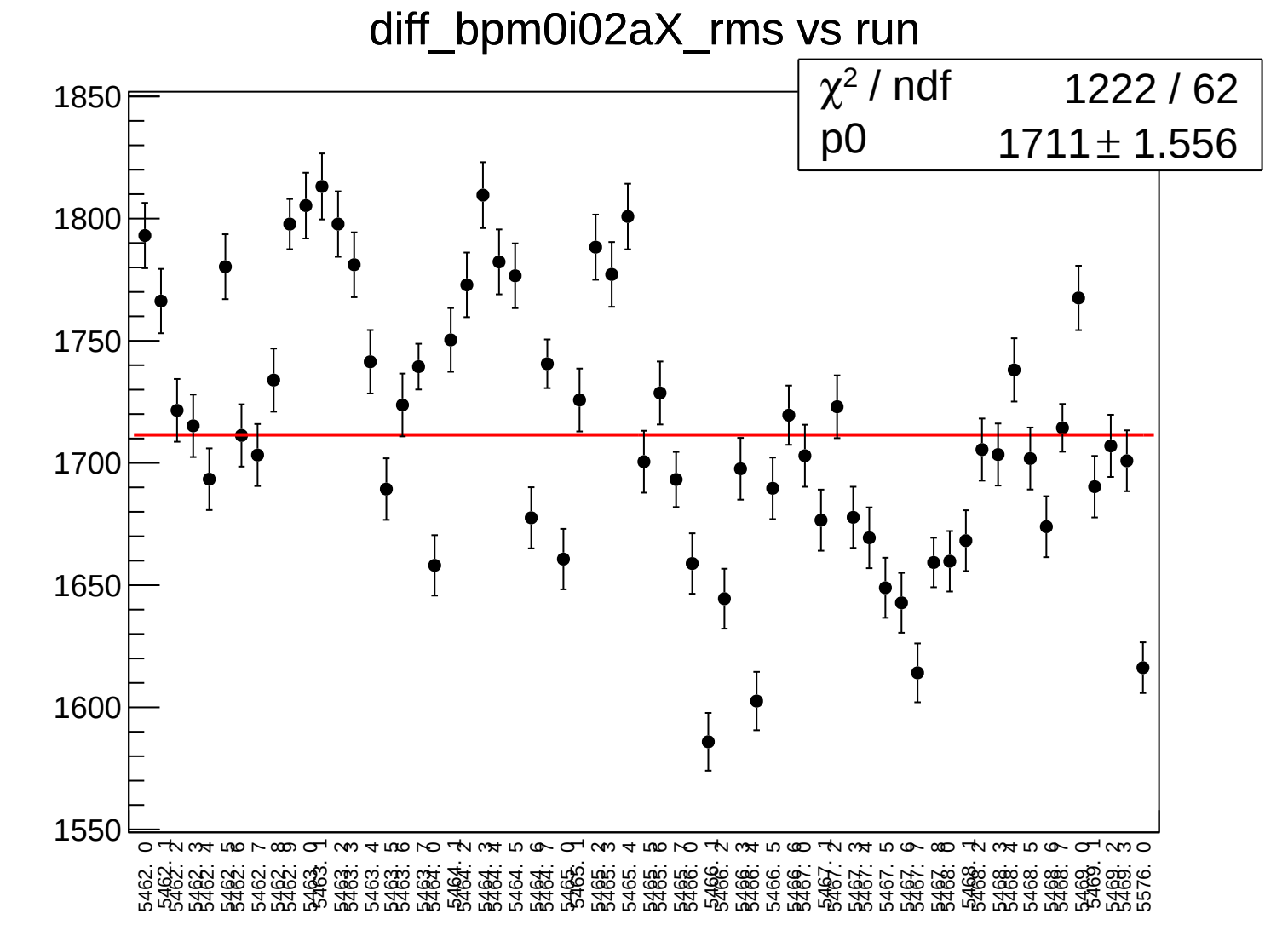

diff_bpm0i02Y_mean vs run
χ² / ndf 66.71 / 62
p0 −25.25 ± 1.45
pull
Entries 63
Mean 583
Std Dev 0

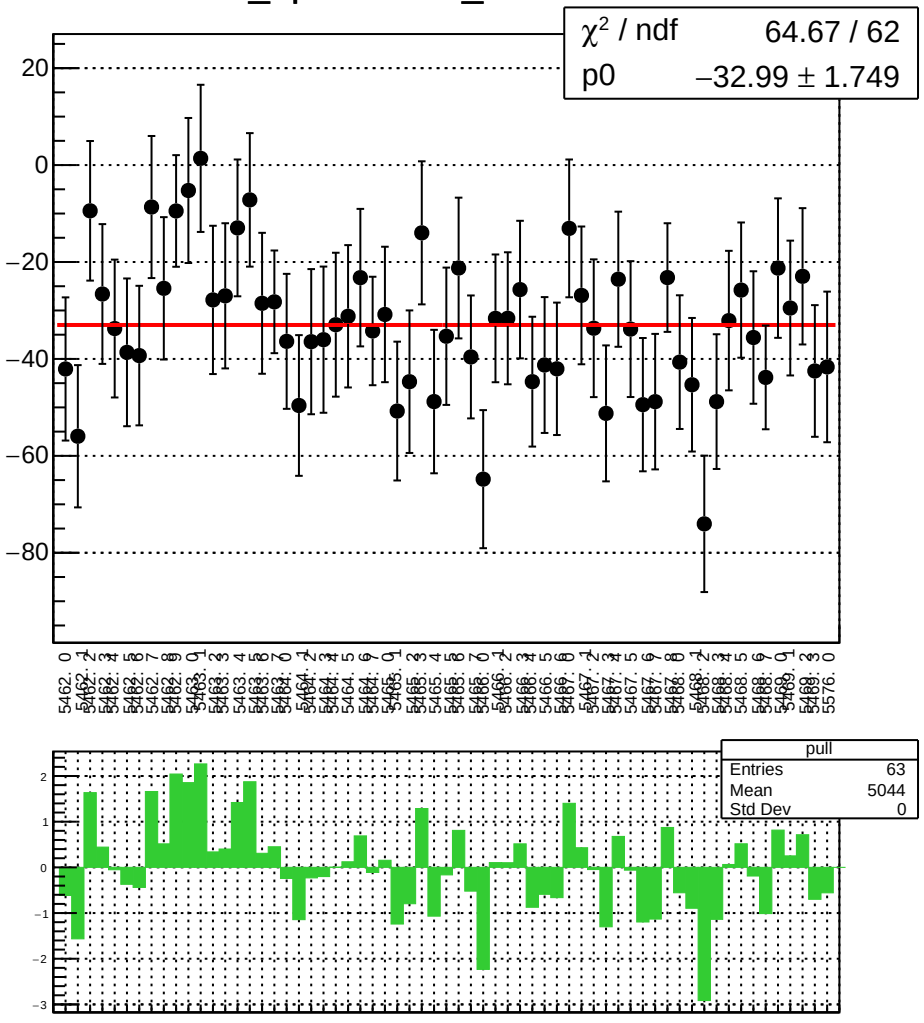

pull1D
Entries 63
Mean −0.005575
Std Dev 1.029

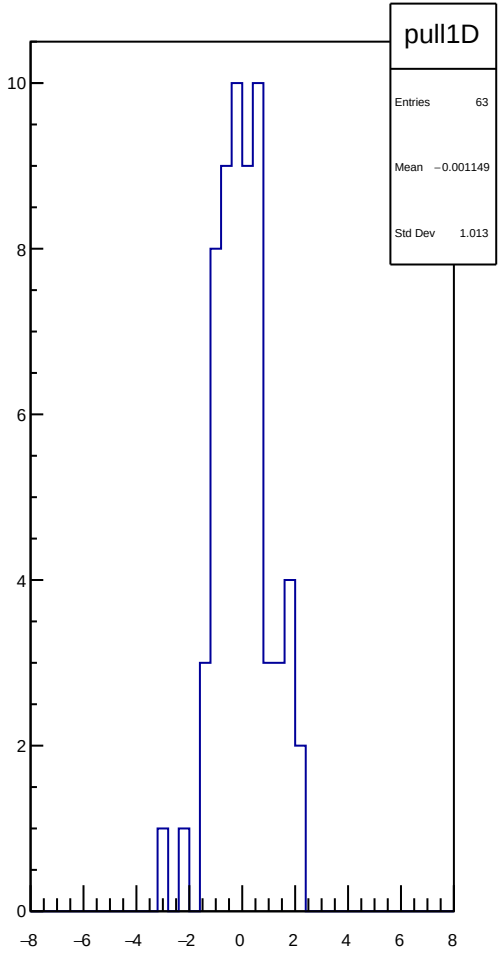

diff_bpm0i02Y_rms vs run
χ² / ndf 584 / 62
p0 1128 ± 1.025
1300
1250
1200
1150
1100

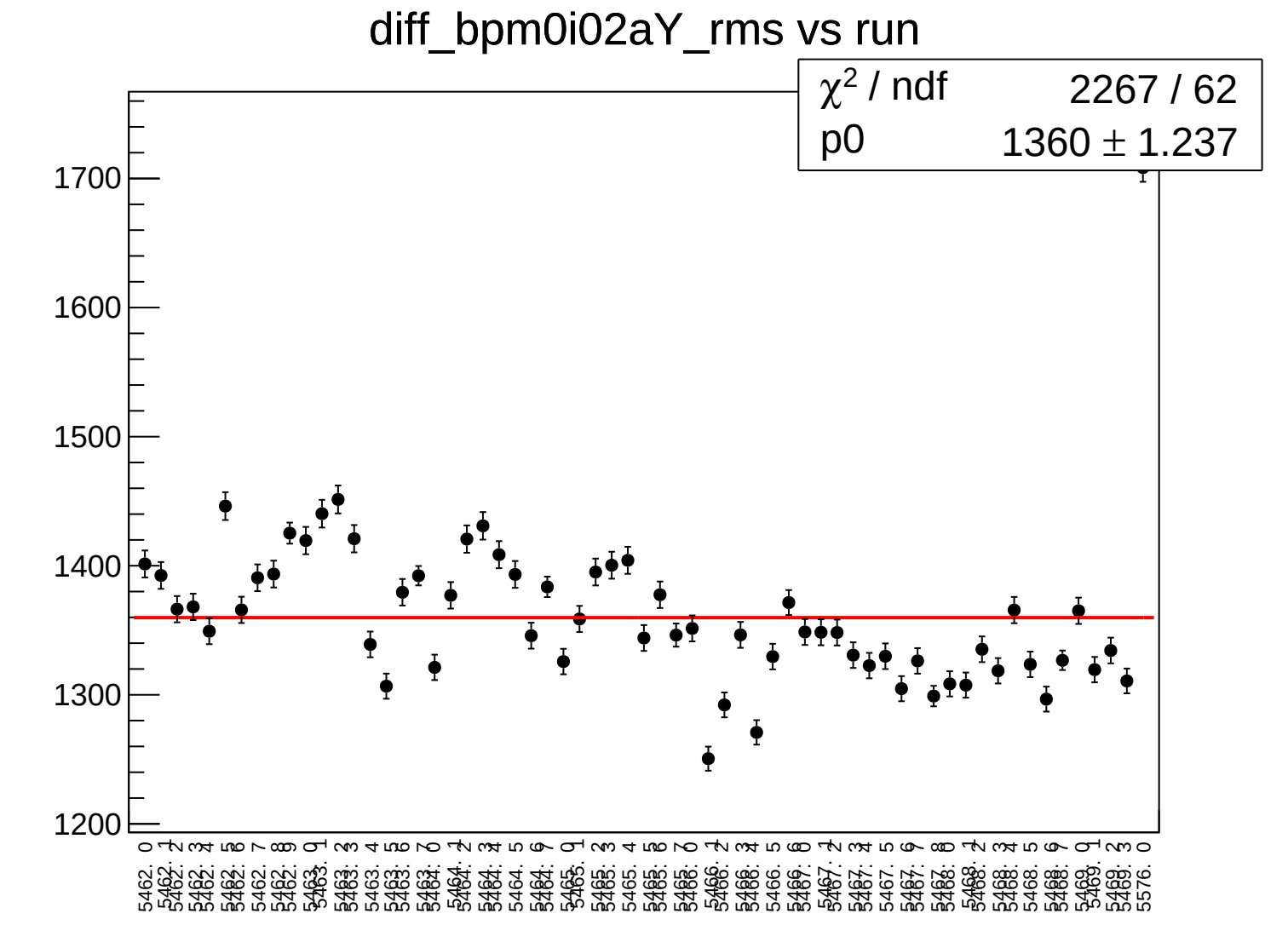

diff_bpm0i02aX_mean vs run
χ² / ndf 89.5 / 62
p0 −24.65 ± 2.201
pull
Entries 63
Mean 3.263e+04
Std Dev 0

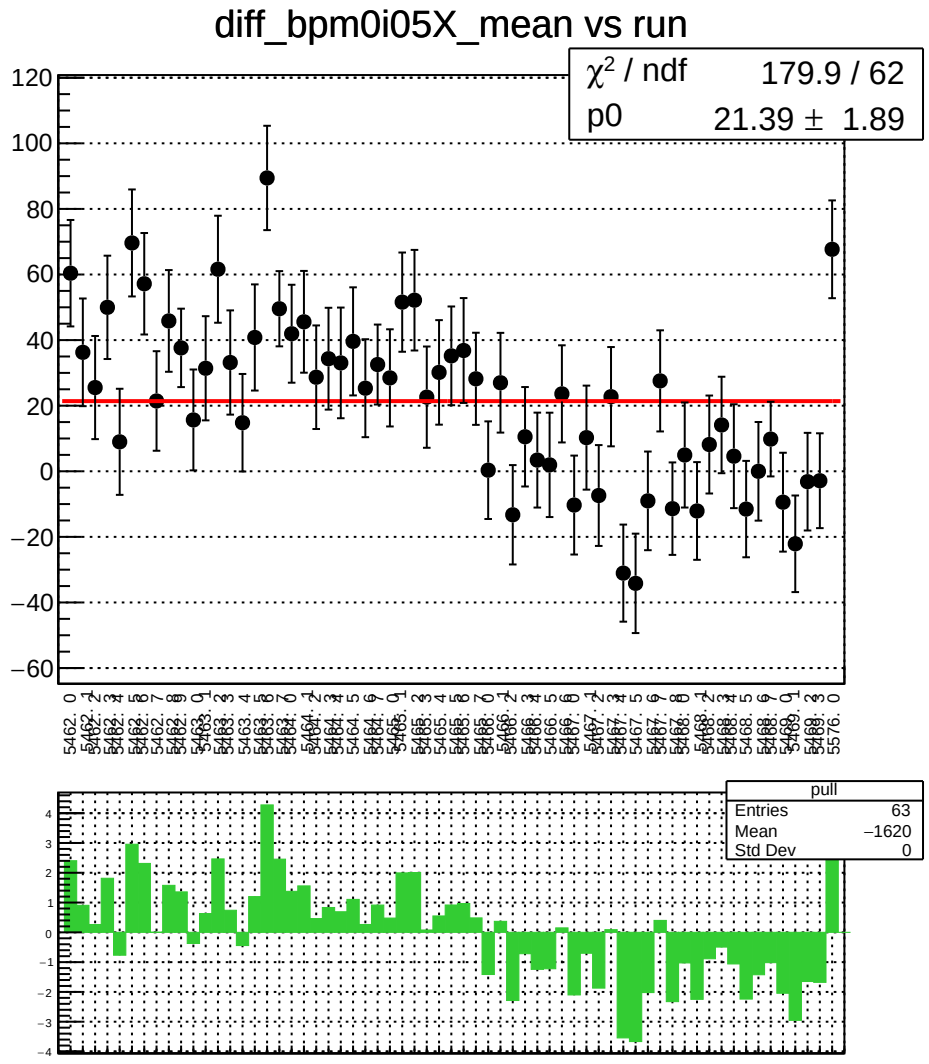

pull1D
Entries 63
Mean 0.0003718
Std Dev 1.192

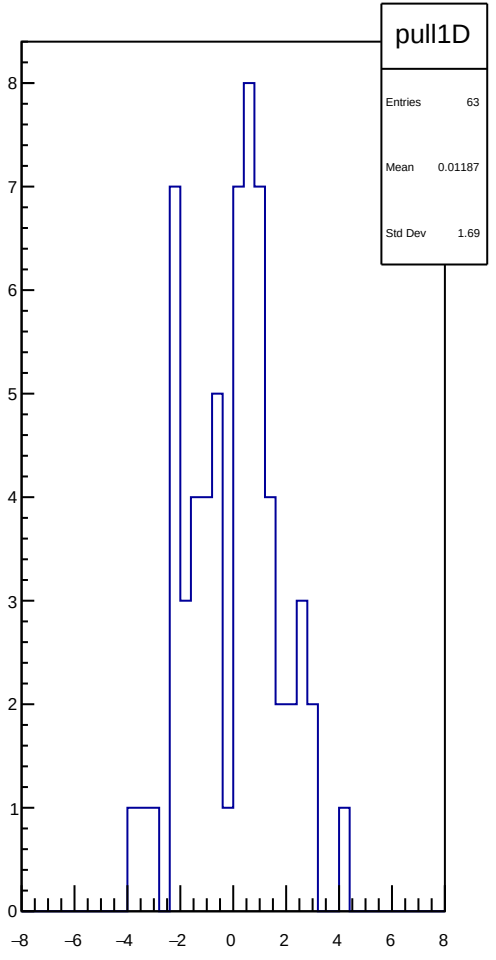

diff_bpm0i02aX_rms vs run
χ² / ndf 1222 / 62
p0 1711 ± 1.556
1850
1800
1750
1700
1650
1600
1550

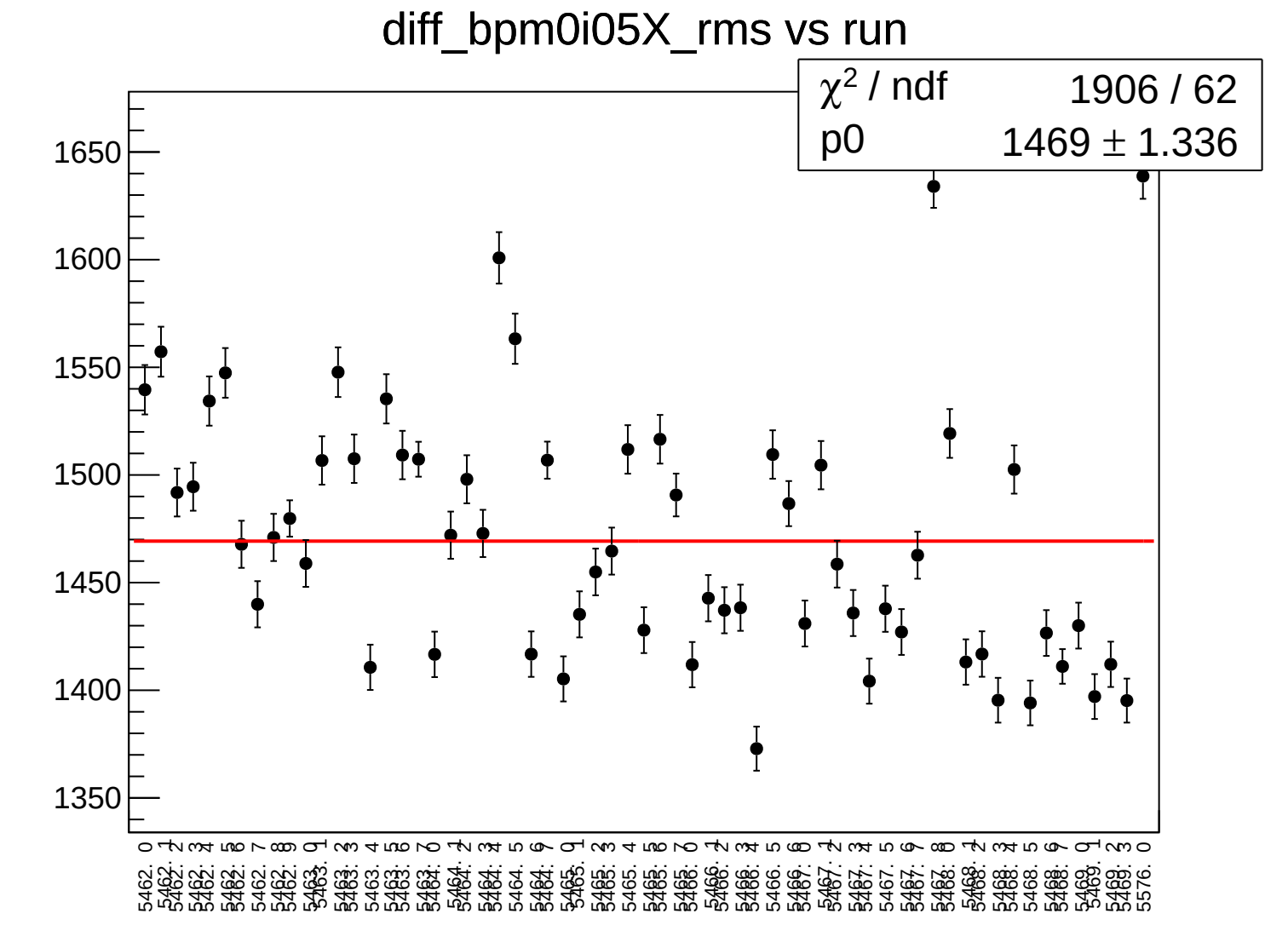

diff_bpm0i02aY_mean vs run
χ² / ndf 64.67 / 62
p0 −32.99 ± 1.749
pull
Entries 63
Mean 5044
Std Dev 0

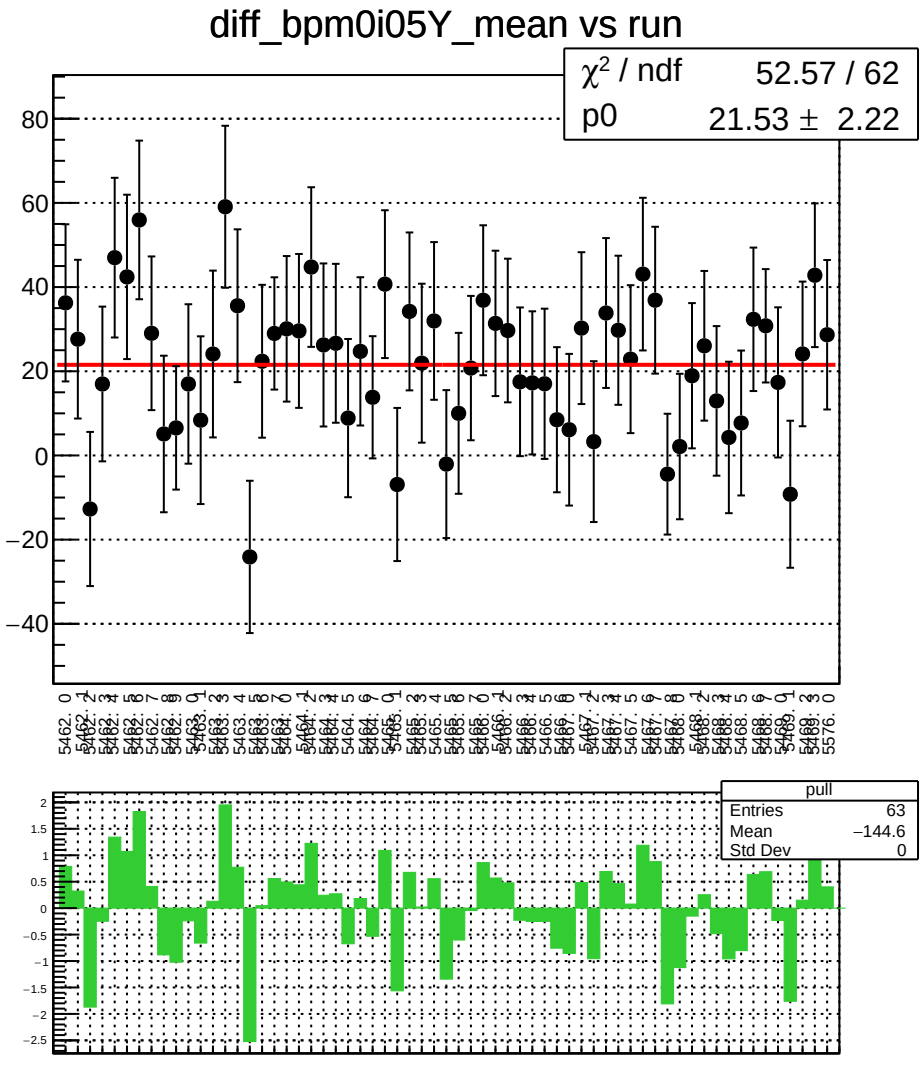

pull1D
Entries 63
Mean −0.001149
Std Dev 1.013

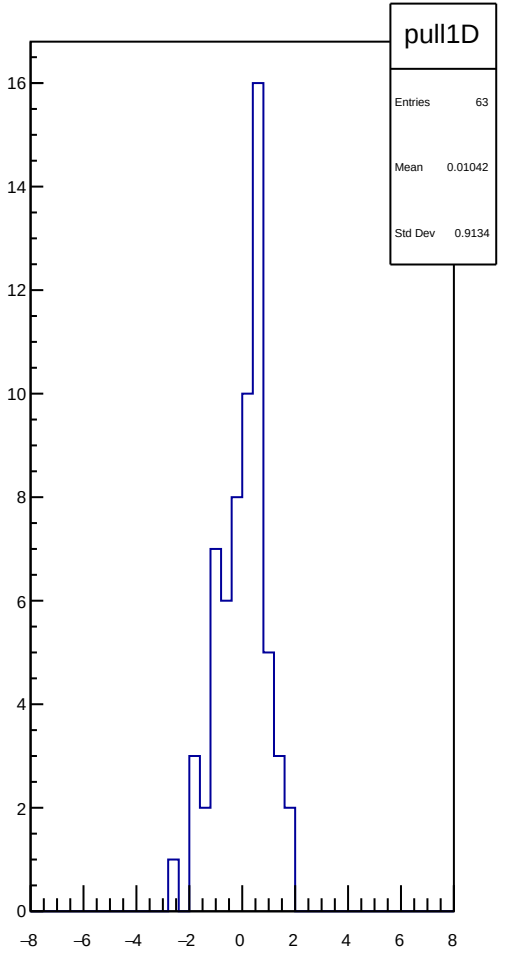

diff_bpm0i02aY_rms vs run
χ² / ndf 2267 / 62
p0 1360 ± 1.237
1700
1600
1500
1400
1300
1200

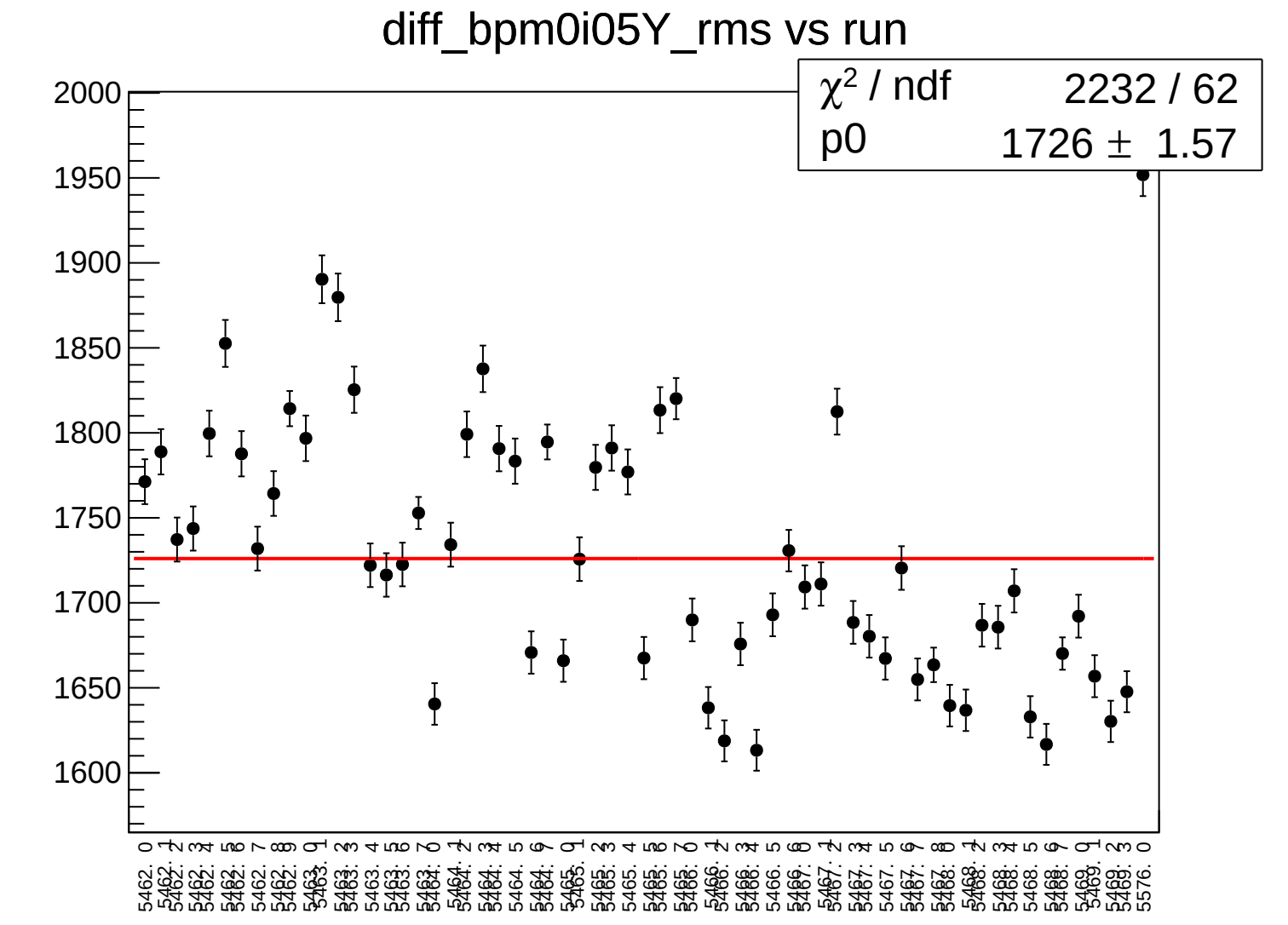

diff_bpm0i05X_mean vs run
χ² / ndf 179.9 / 62
p0 21.39 ± 1.89
pull
Entries 63
Mean −1620
Std Dev 0

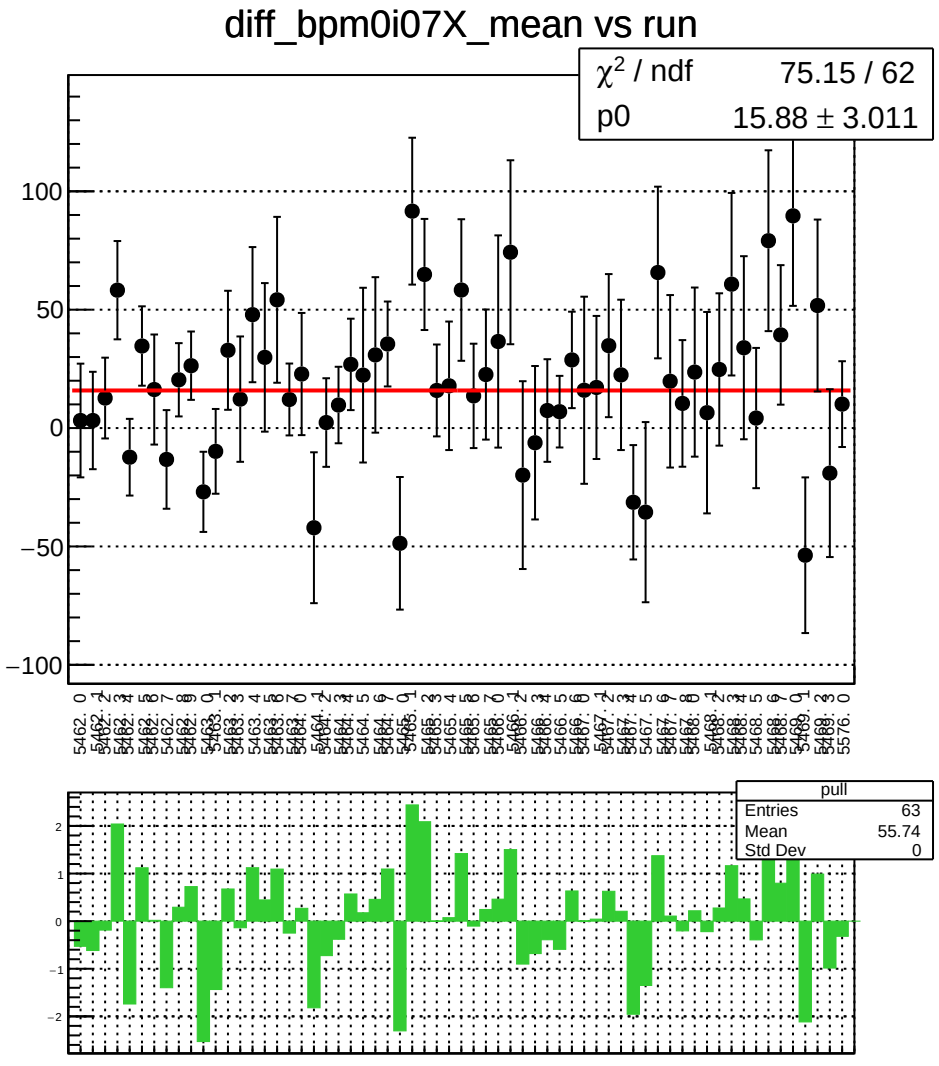

pull1D
Entries 63
Mean 0.01187
Std Dev 1.69

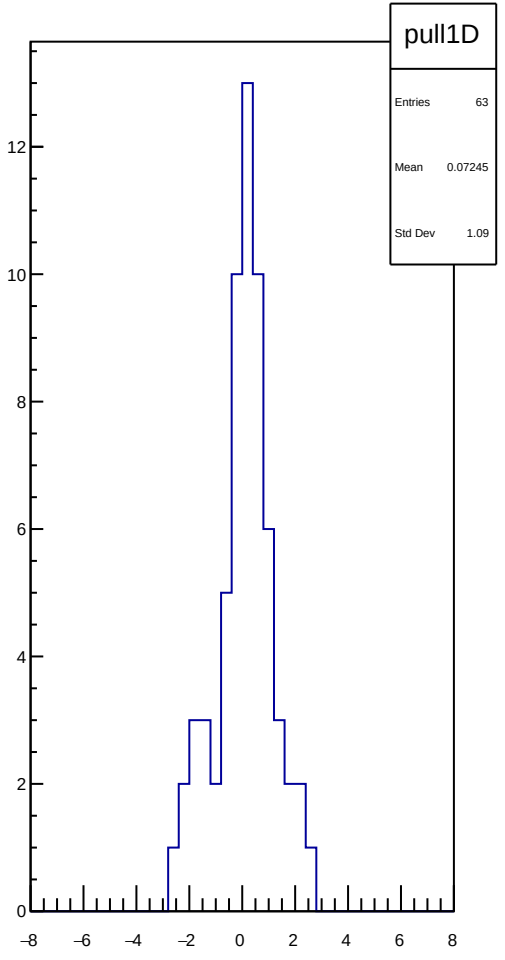

diff_bpm0i05X_rms vs run
χ² / ndf 1906 / 62
p0 1469 ± 1.336
1650
1600
1550
1500
1450
1400
1350

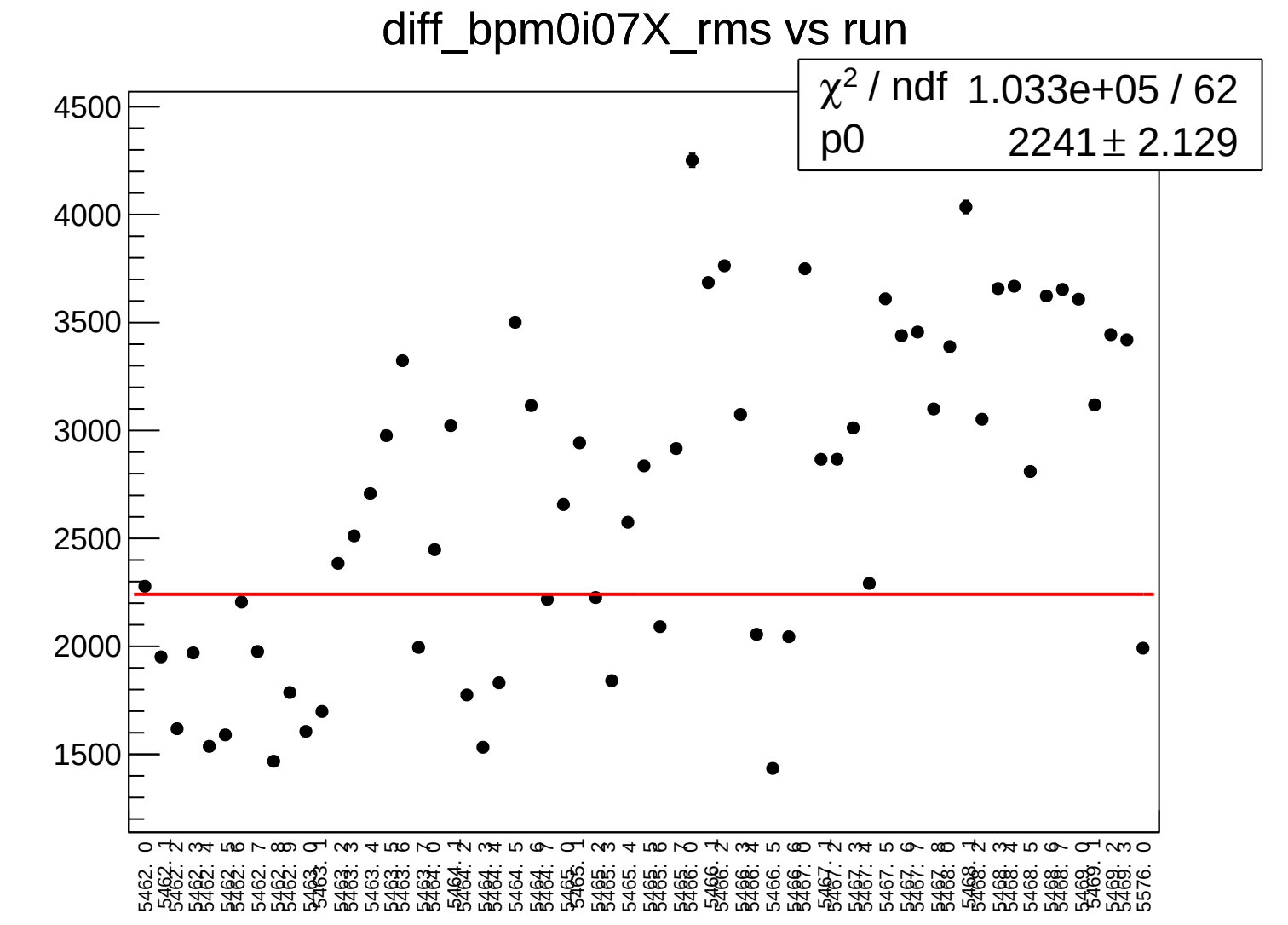

diff_bpm0i05Y_mean vs run
χ² / ndf 52.57 / 62
p0 21.53 ± 2.22
pull
Entries 63
Mean −144.6
Std Dev 0

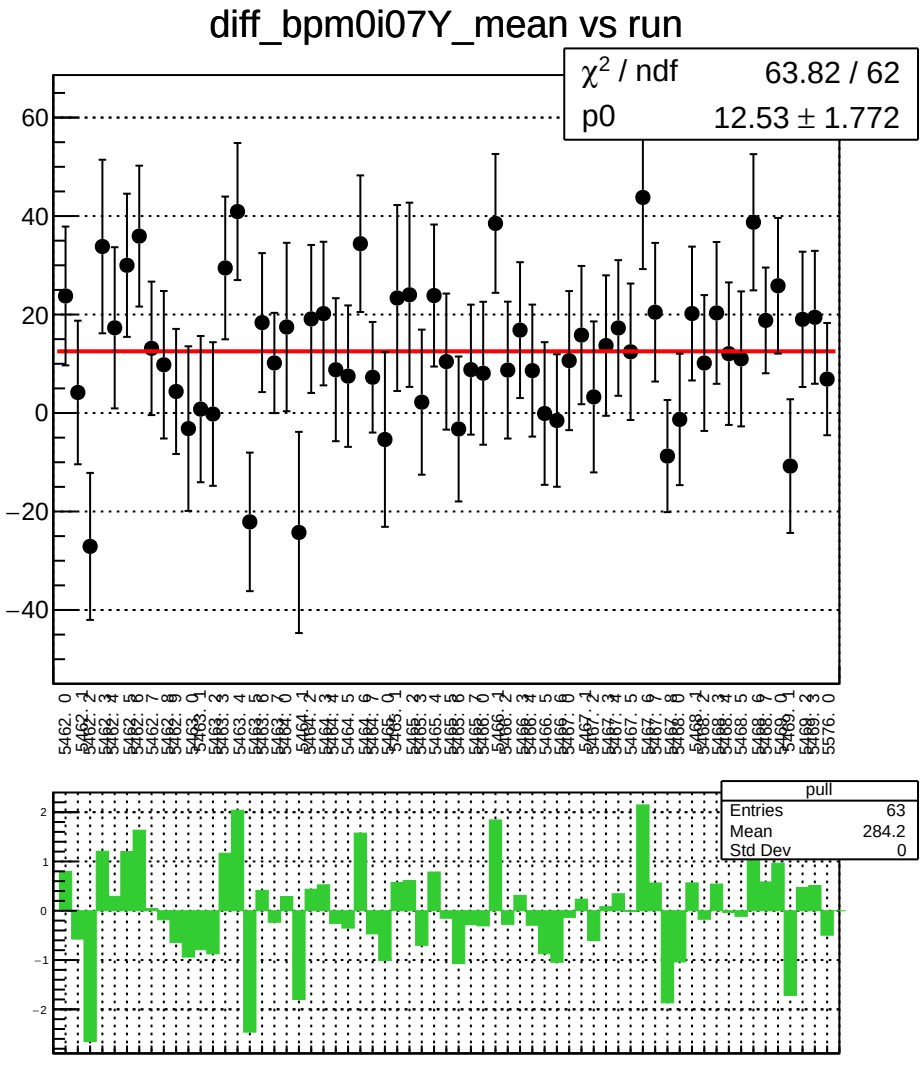

pull1D
Entries 63
Mean 0.01042
Std Dev 0.9134

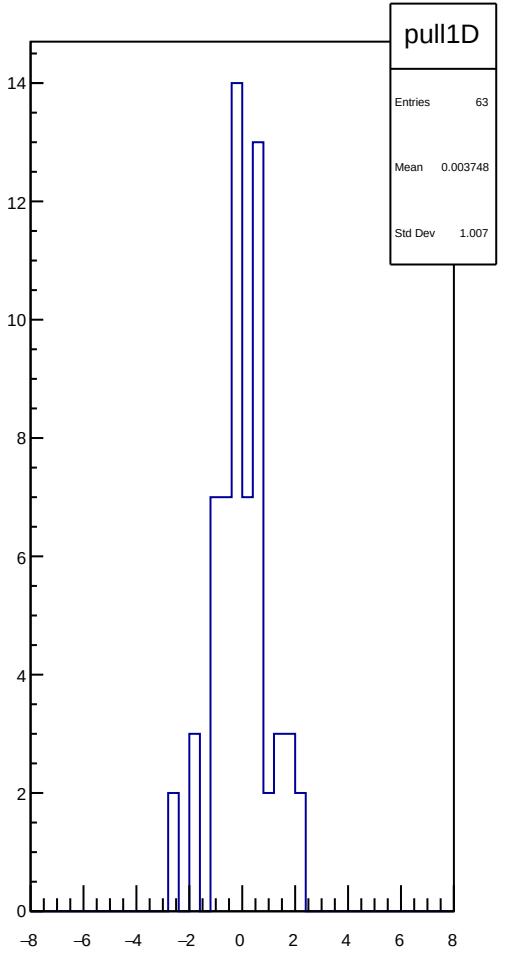

diff_bpm0i05Y_rms vs run
χ² / ndf 2232 / 62
p0 1726 ± 1.57
2000
1950
1900
1850
1800
1750
1700
1650
1600

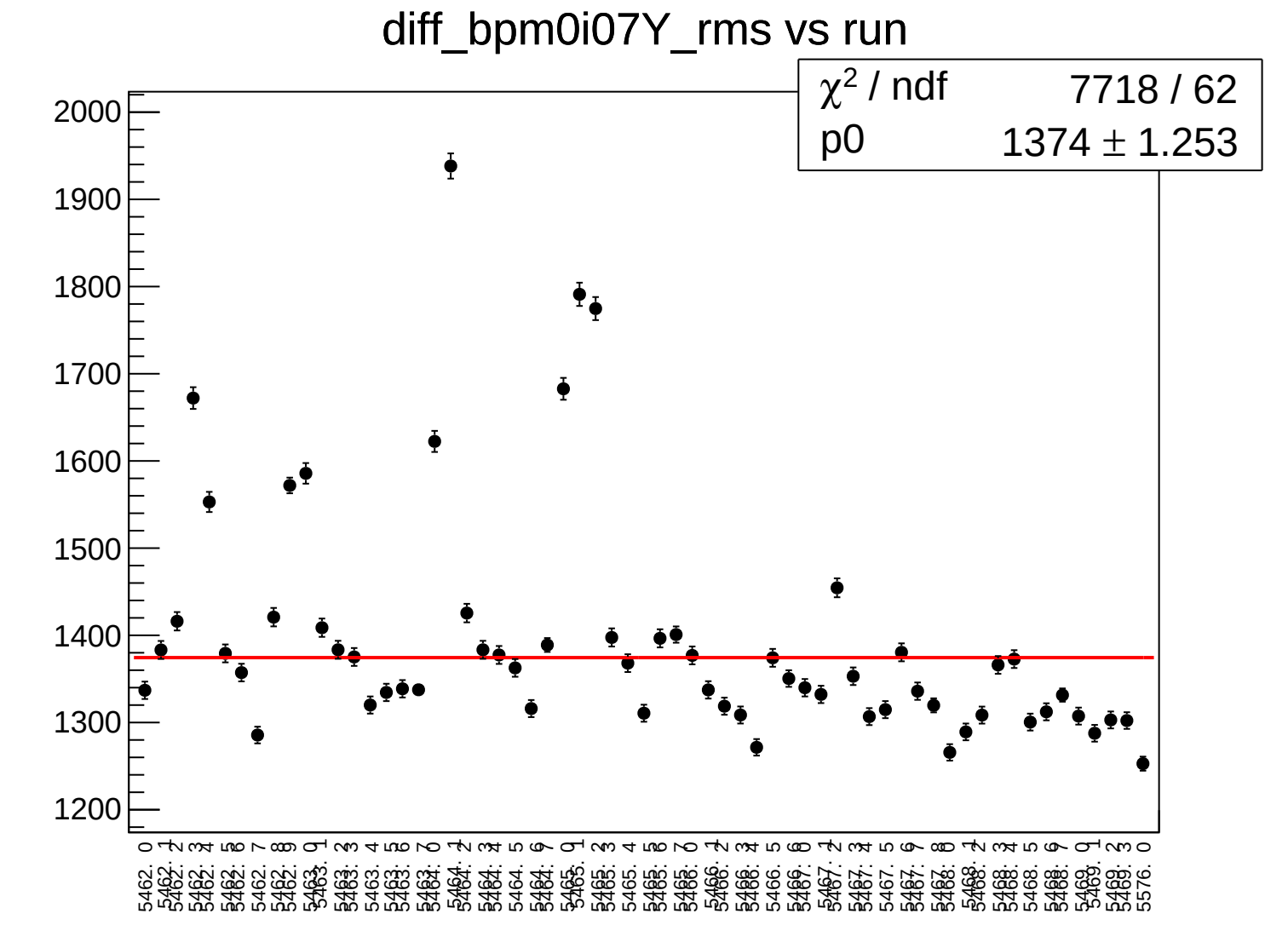

diff_bpm0i07X_mean vs run
χ^2 / ndf 75.15 / 62
p0 15.88 ± 3.011
100
50
0
−50
−100
pull
Entries 63
Mean 55.74
Std Dev 0
2
1
0
−1
−2

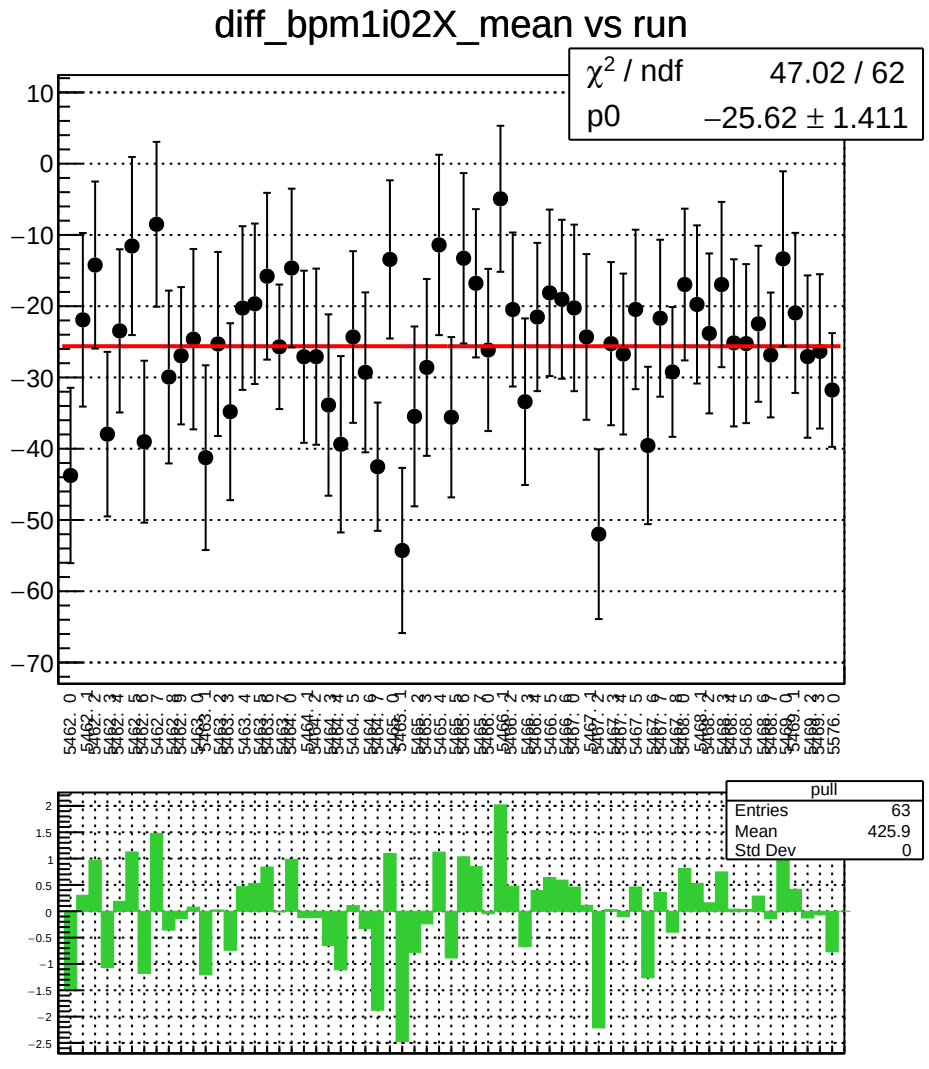

pull1D
Entries 63
Mean 0.07245
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

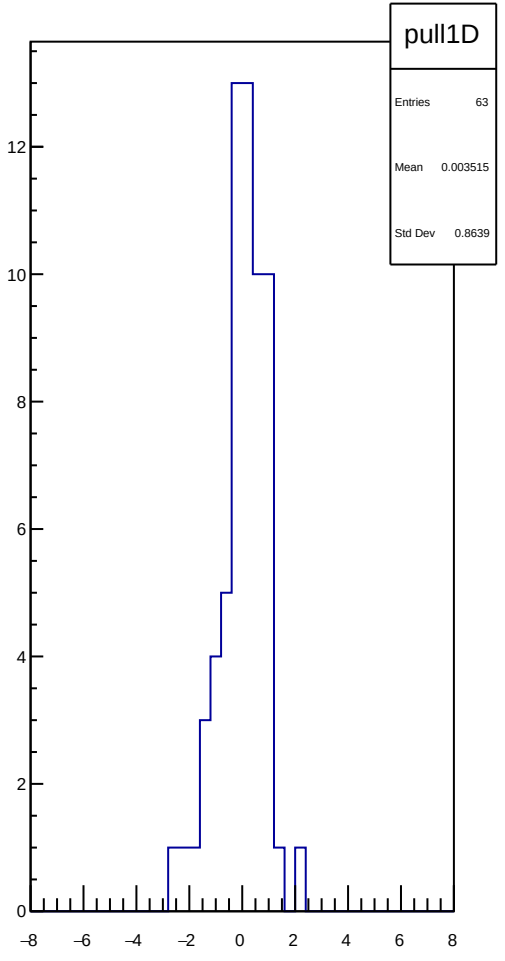

diff_bpm0i07X_rms vs run
χ² / ndf 1.033e+05 / 62
p0 2241 ± 2.129
4500
4000
3500
3000
2500
2000
1500

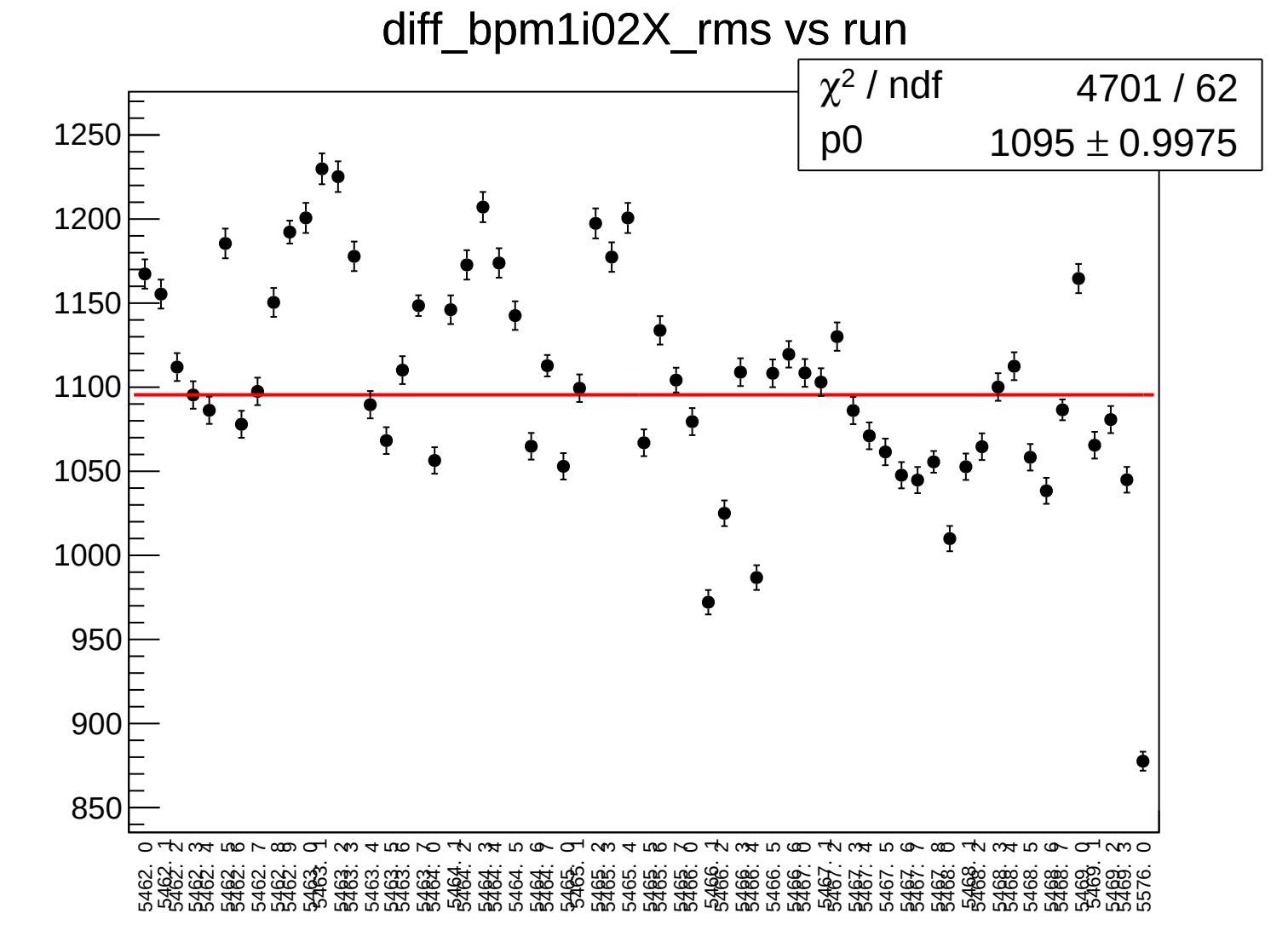

diff_bpm0i07Y_mean vs run
χ^2 / ndf 63.82 / 62
p0 12.53 ± 1.772
pull
Entries 63
Mean 284.2
Std Dev 0

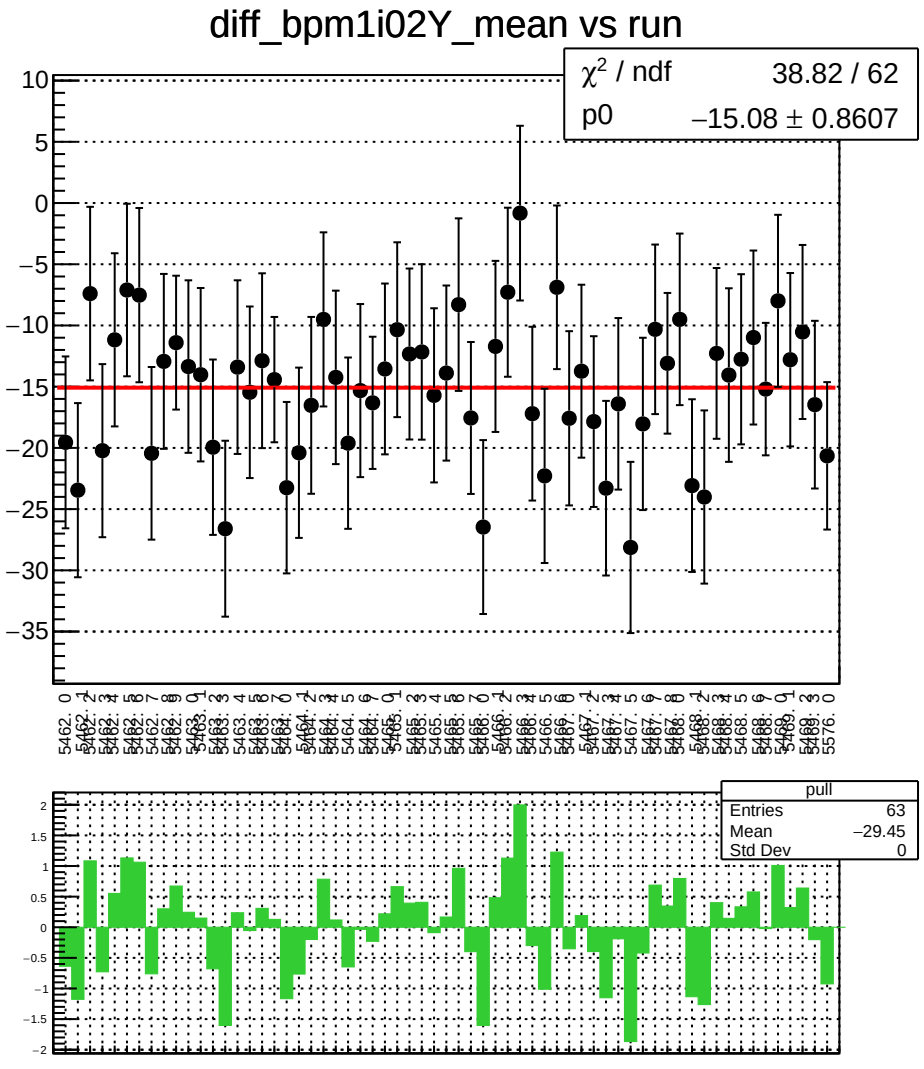

pull1D
Entries 63
Mean 0.003748
Std Dev 1.007

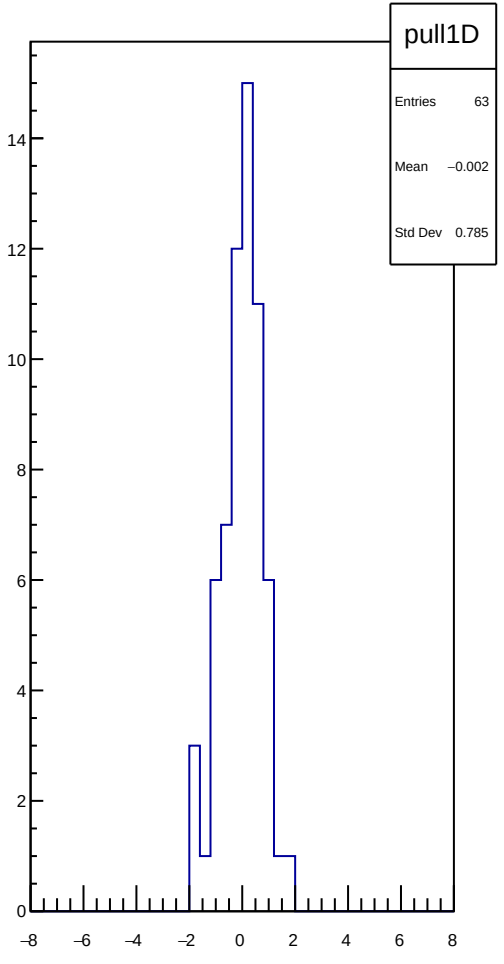

diff_bpm0i07Y_rms vs run
χ² / ndf 7718 / 62
p0 1374 ± 1.253
2000
1900
1800
1700
1600
1500
1400
1300
1200

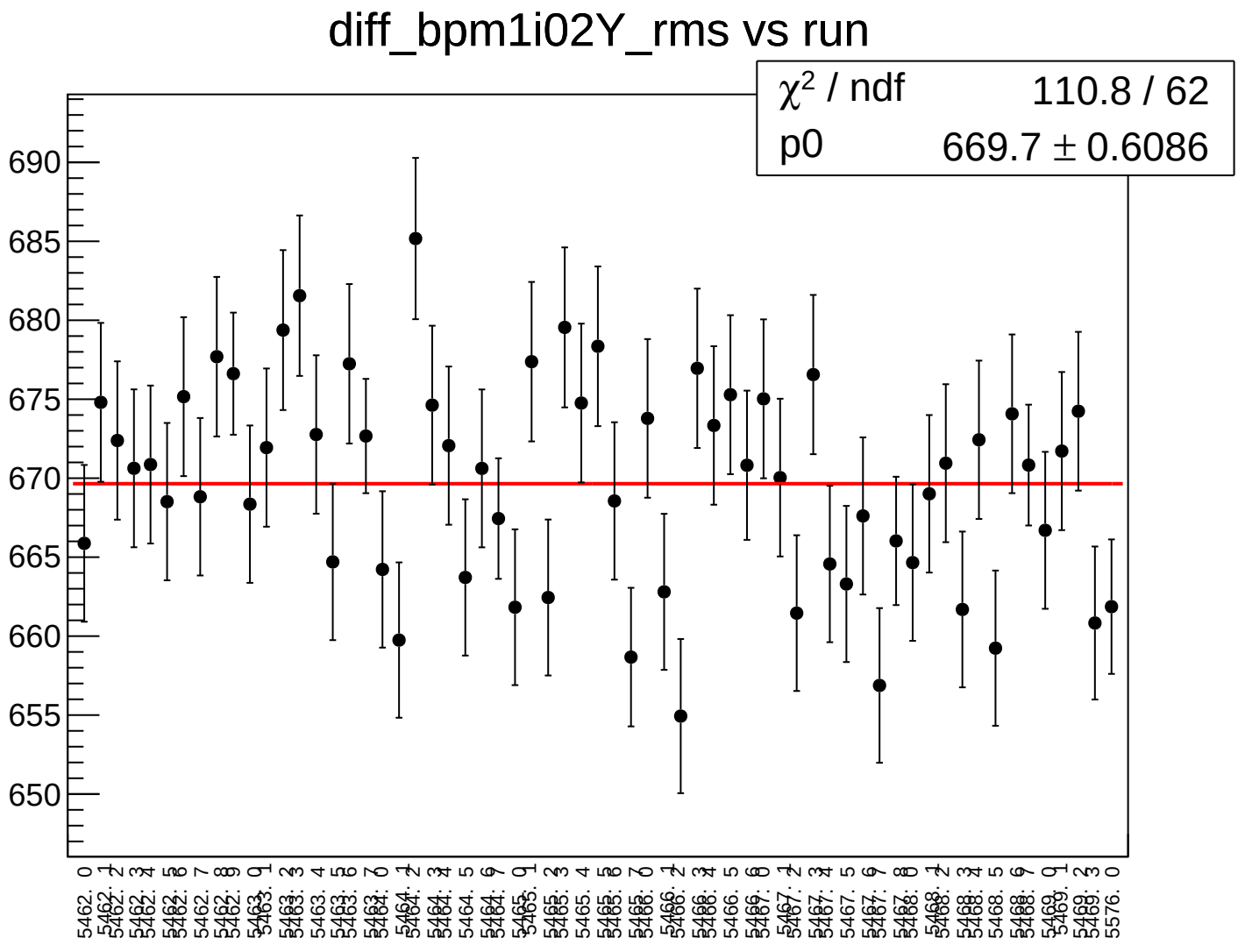

diff_bpm1i02X_mean vs run
χ² / ndf 47.02 / 62
p0 −25.62 ± 1.411
pull
Entries 63
Mean 425.9
Std Dev 0

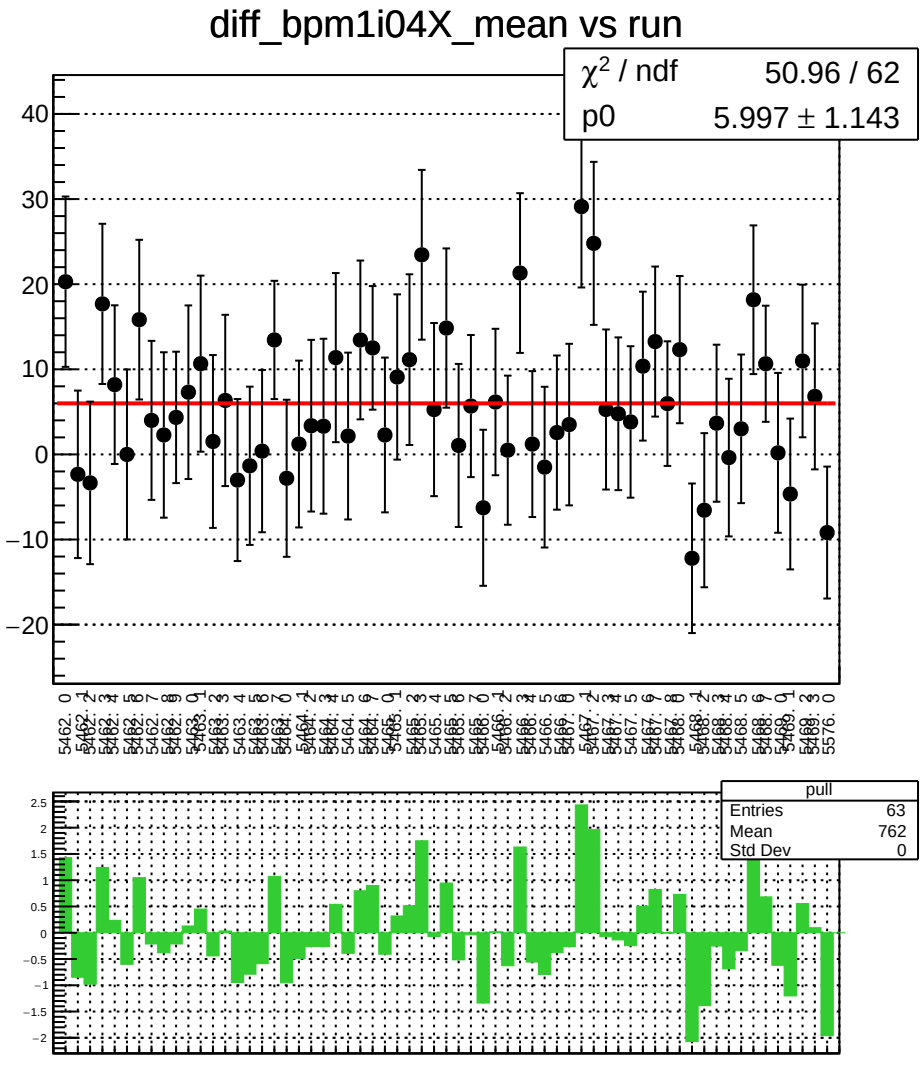

pull1D
Entries 63
Mean 0.003515
Std Dev 0.8639

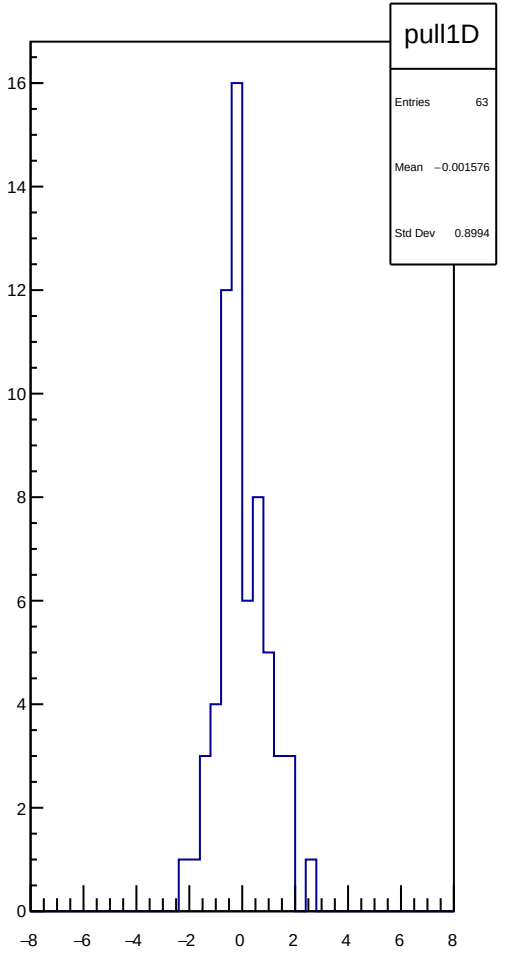

diff_bpm1i02X_rms vs run
χ² / ndf 4701 / 62
p0 1095 ± 0.9975
1250
1200
1150
1100
1050
1000
950
900
850

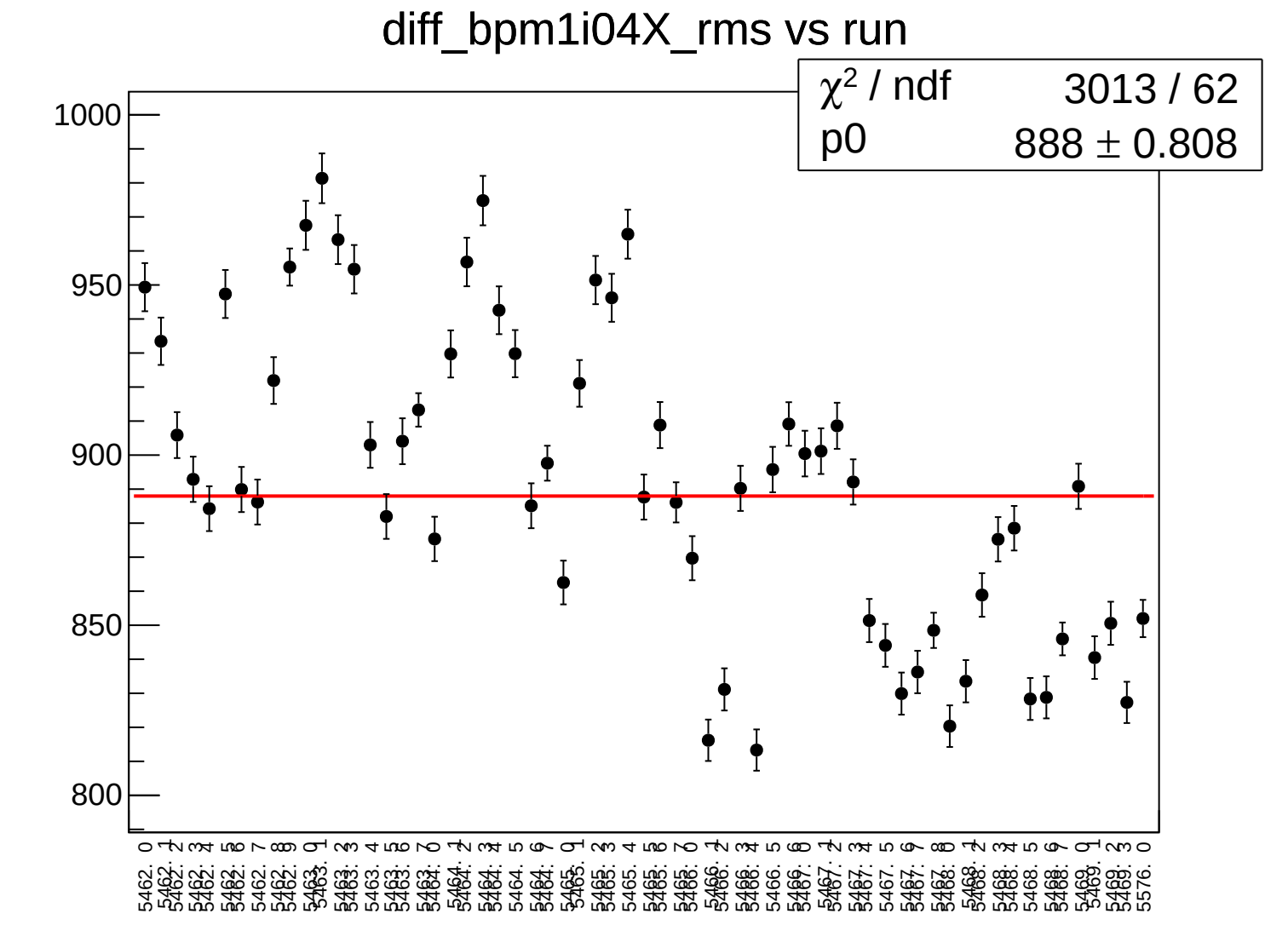

diff_bpm1i02Y_mean vs run
χ² / ndf 38.82 / 62
p0 −15.08 ± 0.8607
pull
Entries 63
Mean −29.45
Std Dev 0

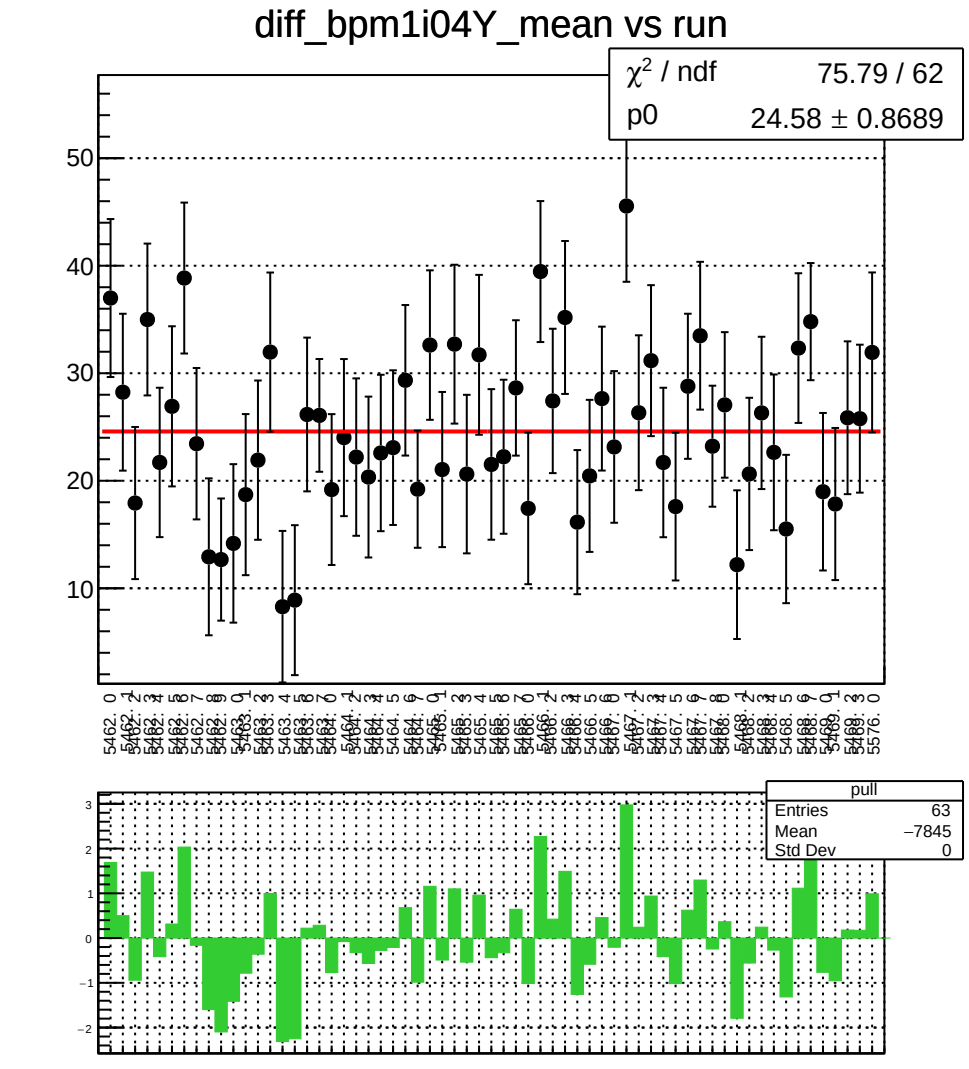

pull1D
Entries 63
Mean −0.002
Std Dev 0.785

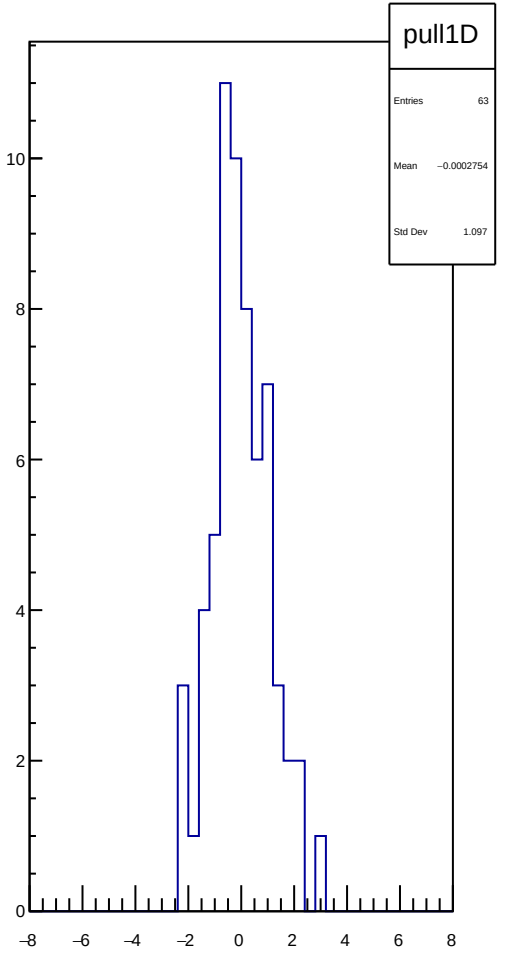

diff_bpm1i02Y_rms vs run
χ² / ndf 110.8 / 62
p0 669.7 ± 0.6086
690
685
680
675
670
665
660
655
650
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

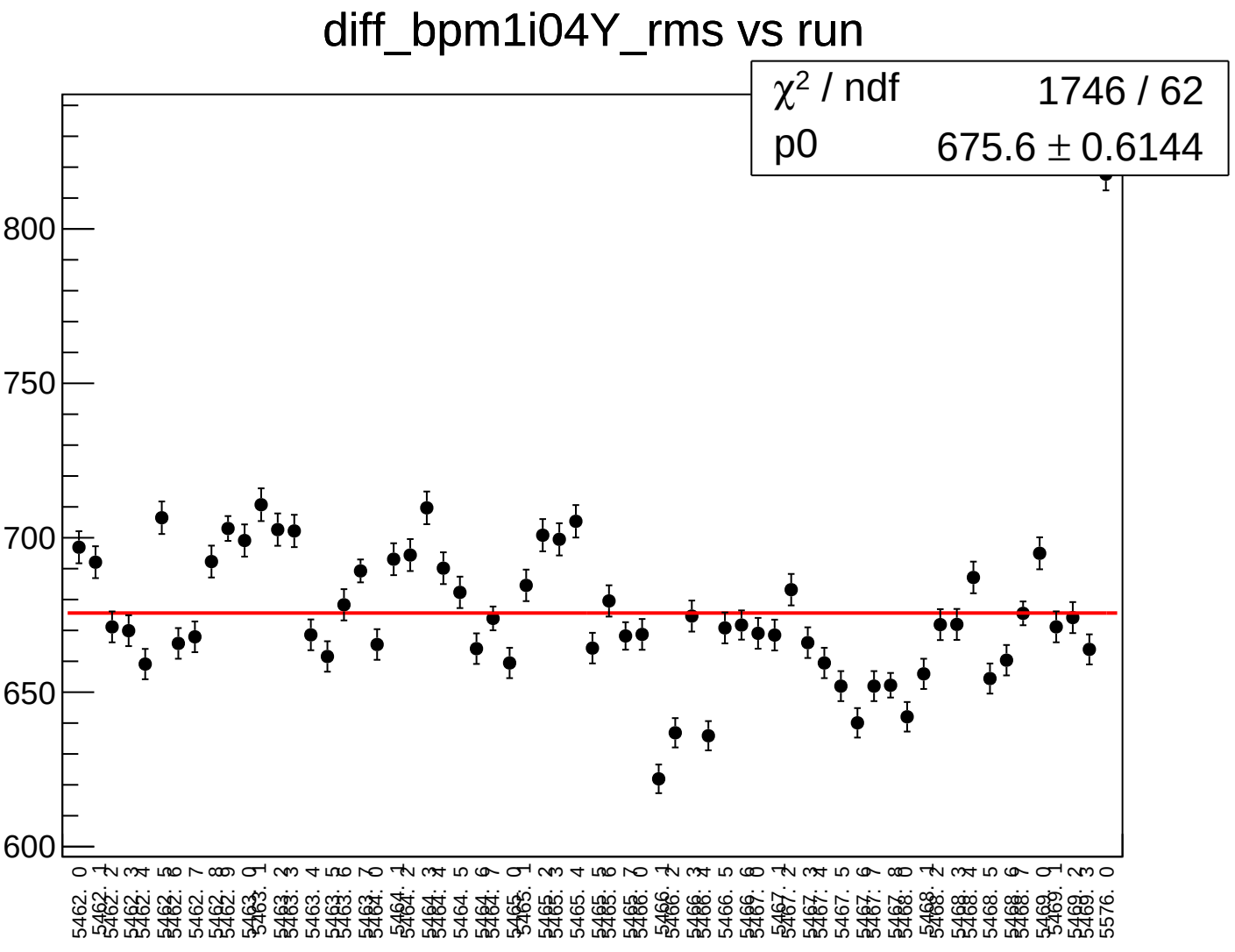

diff_bpm1i04X_mean vs run
χ² / ndf 50.96 / 62
p0 5.997 ± 1.143
pull
Entries 63
Mean 762
Std Dev 0

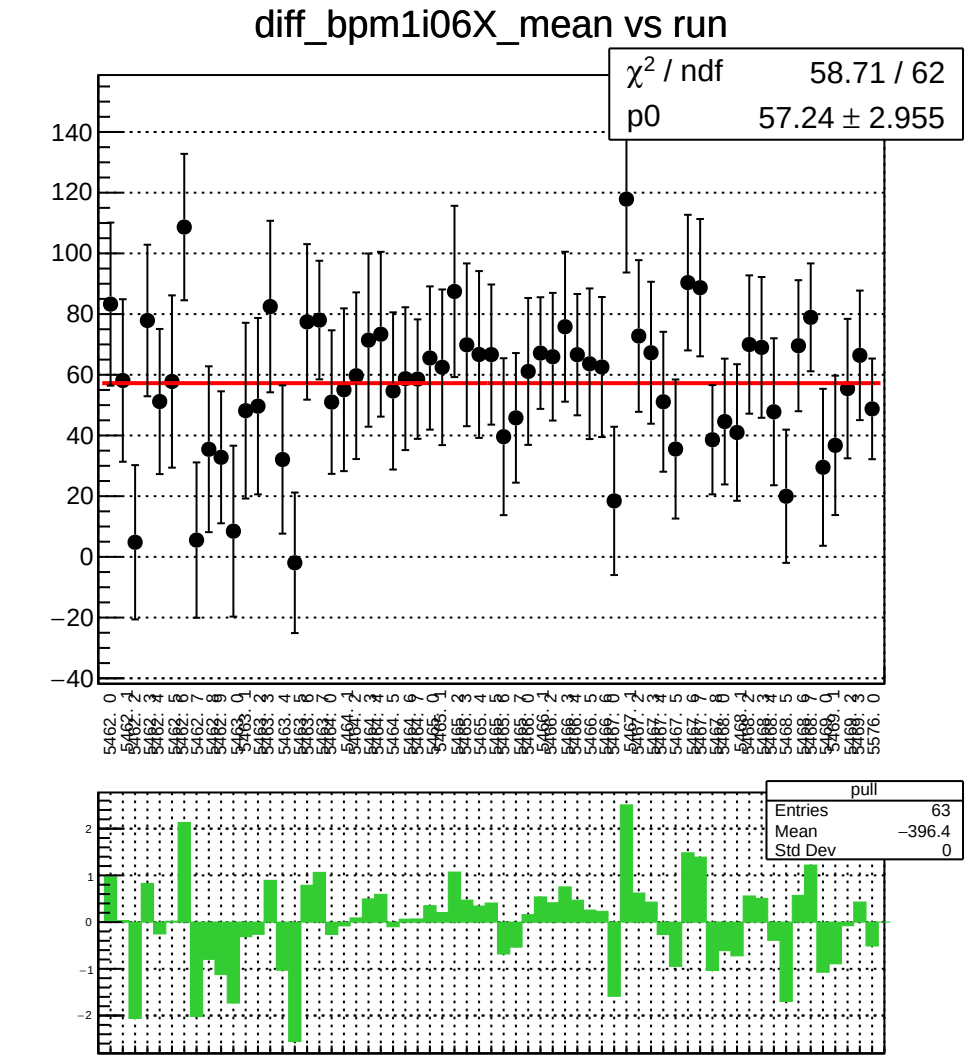

pull1D
Entries 63
Mean −0.001576
Std Dev 0.8994

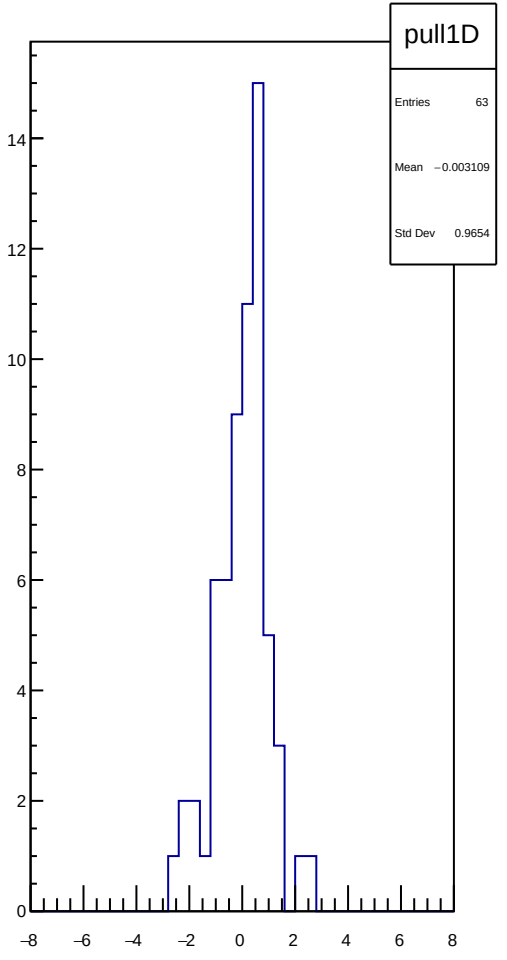

diff_bpm1i04X_rms vs run
χ² / ndf 3013 / 62
p0 888 ± 0.808
1000
950
900
850
800

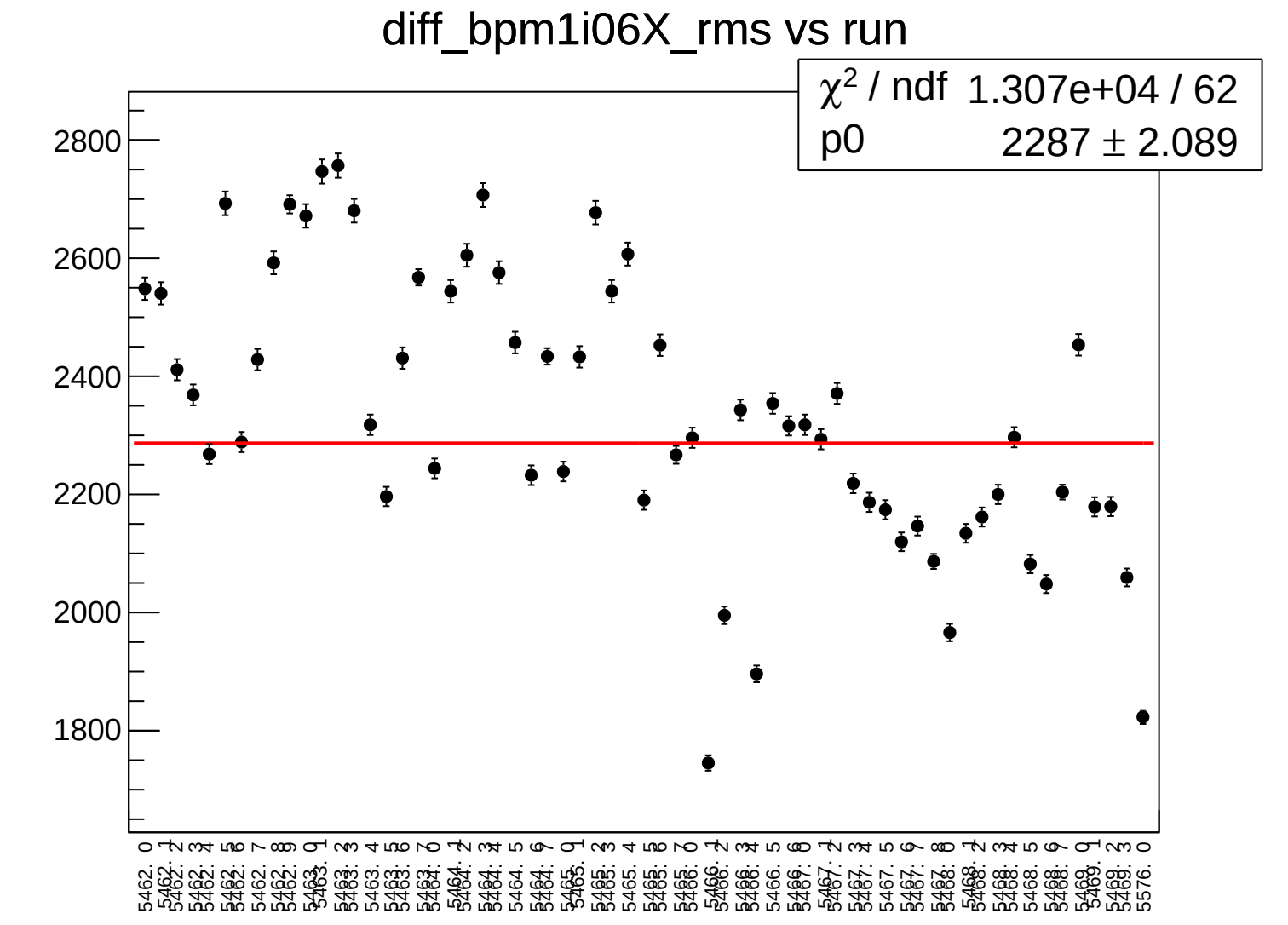

diff_bpm1i04Y_mean vs run
χ² / ndf 75.79 / 62
p0 24.58 ± 0.8689
pull
Entries 63
Mean −7845
Std Dev 0

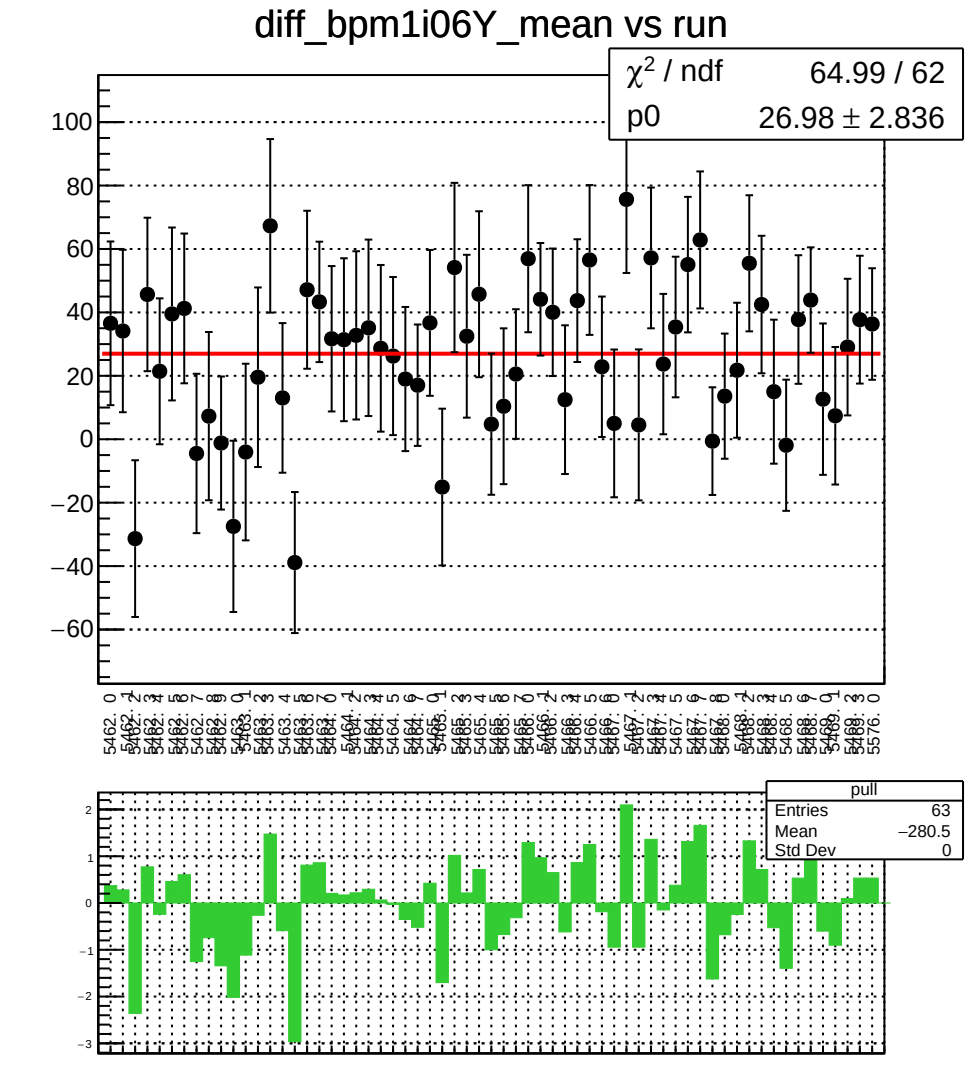

pull1D
Entries 63
Mean −0.0002754
Std Dev 1.097

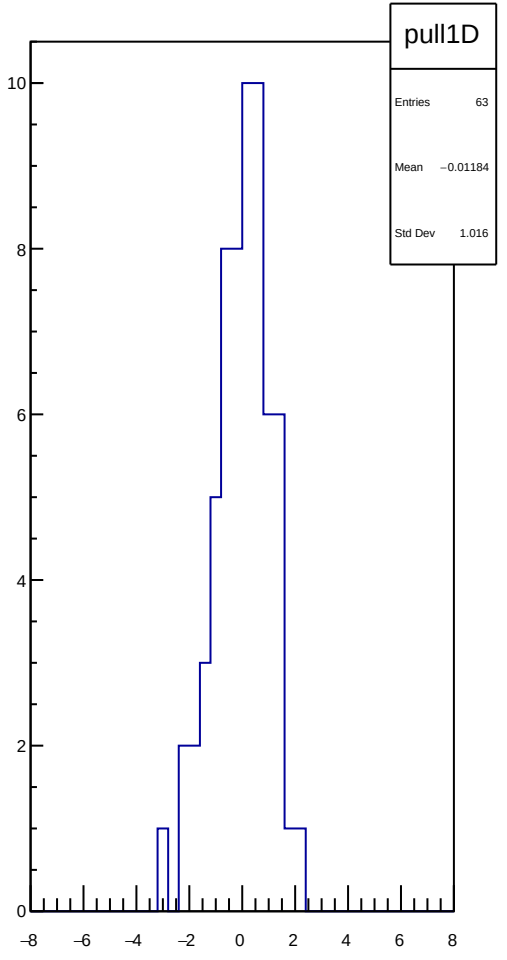

diff_bpm1i04Y_rms vs run
χ² / ndf 1746 / 62
p0 675.6 ± 0.6144
800
750
700
650
600

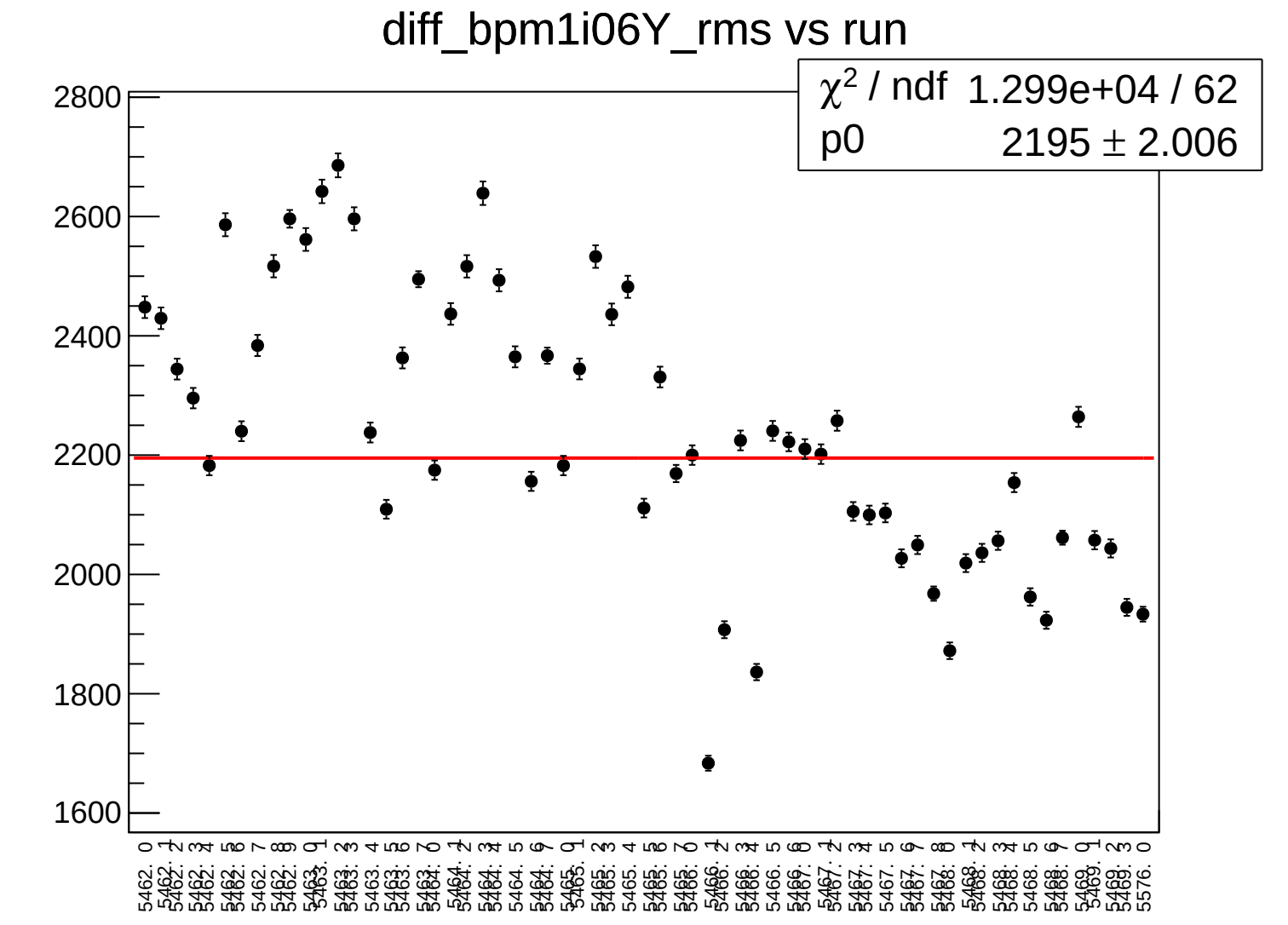

diff_bpm1i06X_mean vs run
χ² / ndf 58.71 / 62
p0 57.24 ± 2.955
pull
Entries 63
Mean −396.4
Std Dev 0

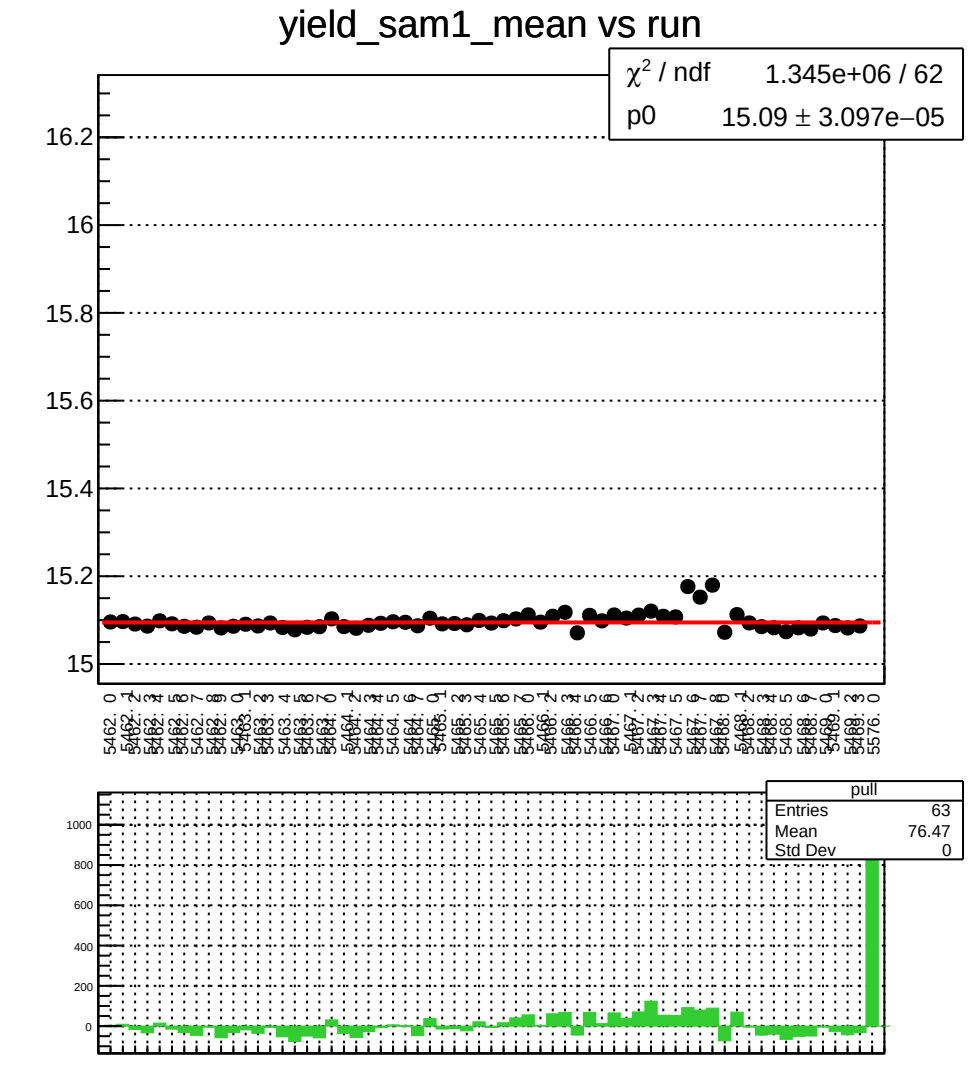

pull1D
Entries 63
Mean −0.003109
Std Dev 0.9654

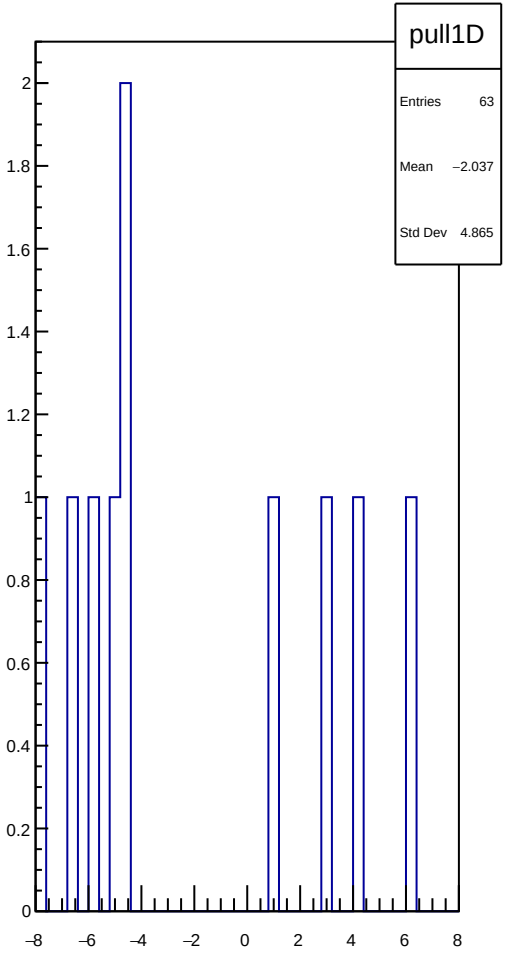

diff_bpm1i06X_rms vs run
χ² / ndf 1.307e+04 / 62
p0 2287 ± 2.089
2800
2600
2400
2200
2000
1800

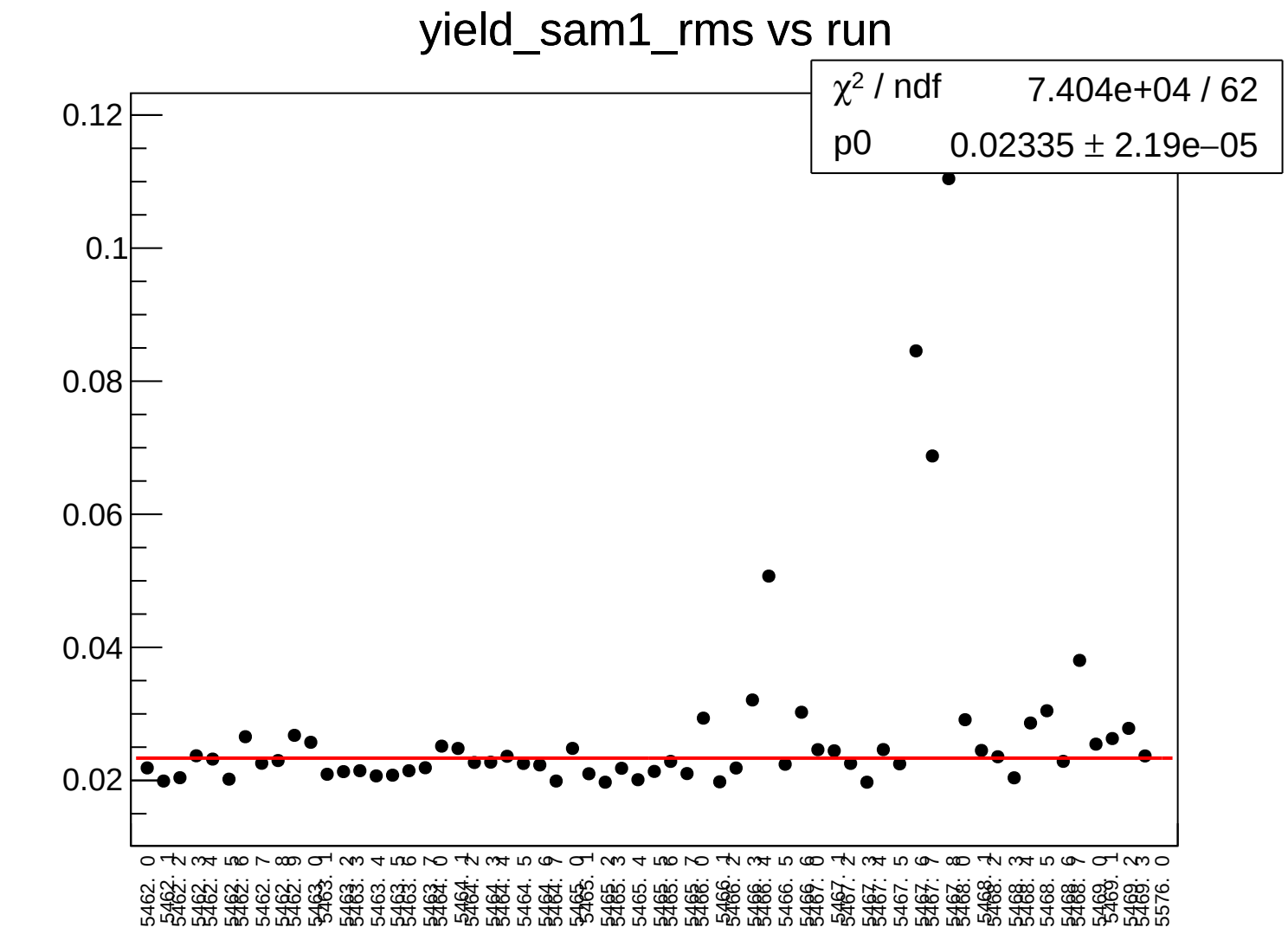

diff_bpm1i06Y_mean vs run
χ² / ndf 64.99 / 62
p0 26.98 ± 2.836
pull
Entries 63
Mean −280.5
Std Dev 0

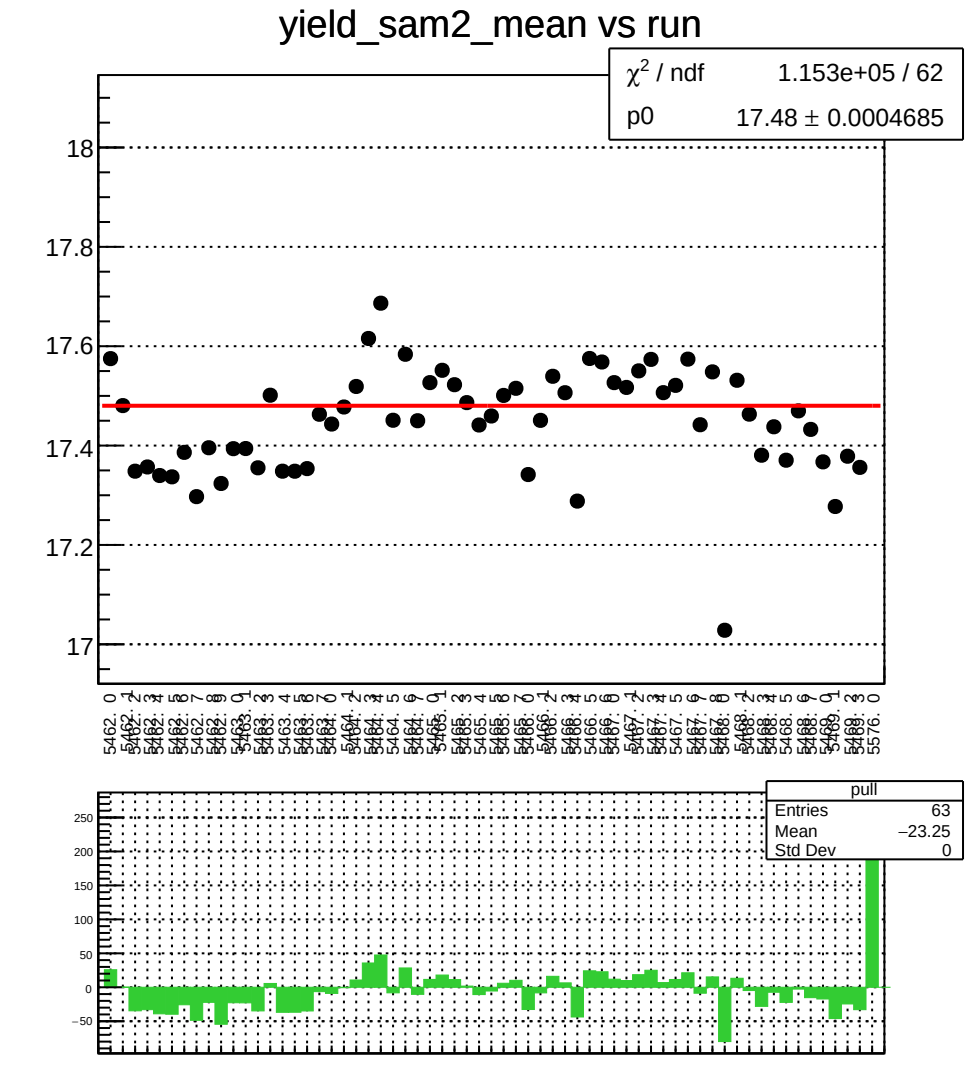

pull1D
Entries 63
Mean −0.01184
Std Dev 1.016

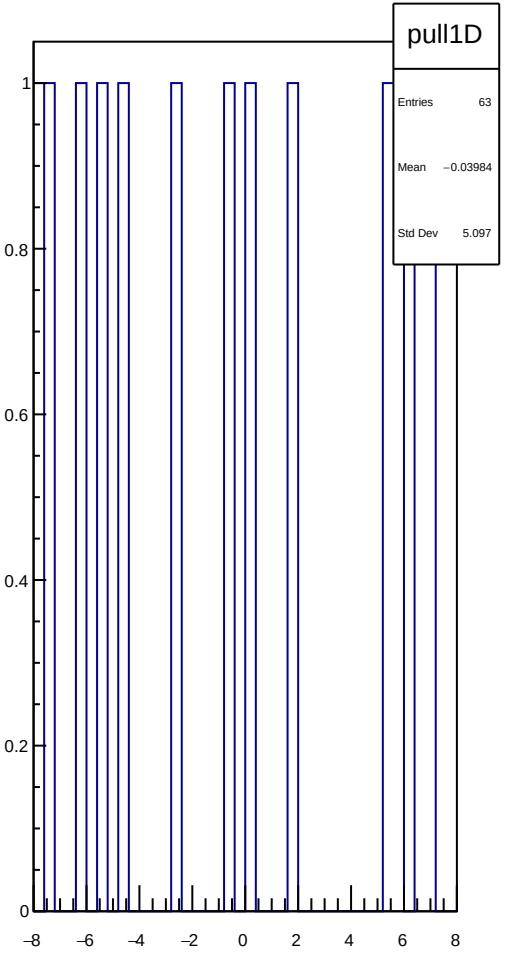

diff_bpm1i06Y_rms vs run
χ² / ndf 1.299e+04 / 62
p0 2195 ± 2.006
2800
2600
2400
2200
2000
1800
1600

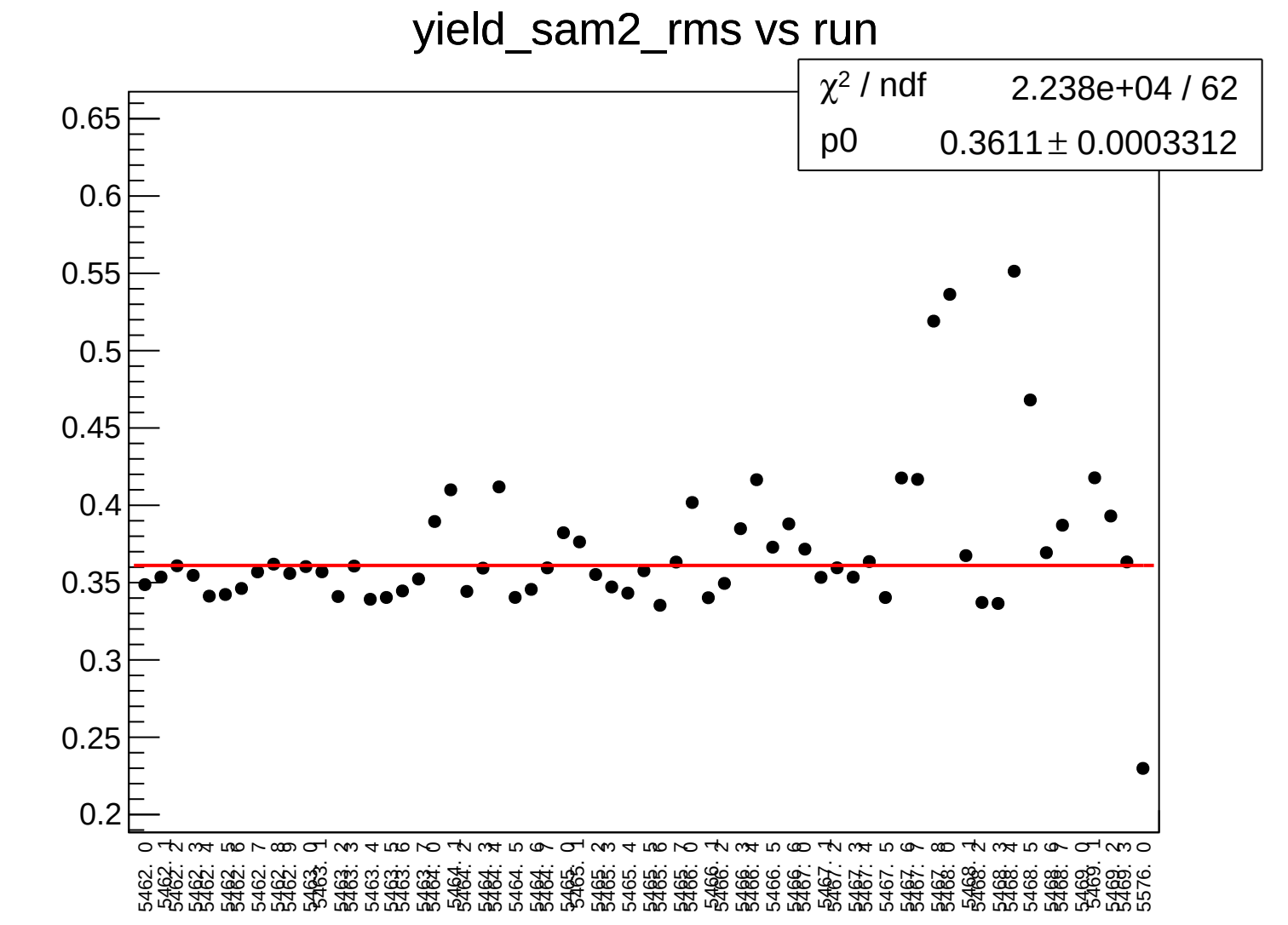

yield_sam1_mean vs run
χ² / ndf 1.345e+06 / 62
p0 15.09 ± 3.097e−05
16.2
16
15.8
15.6
15.4
15.2
15
pull
Entries 63
Mean 76.47
Std Dev 0
1000
800
600
400
200
0

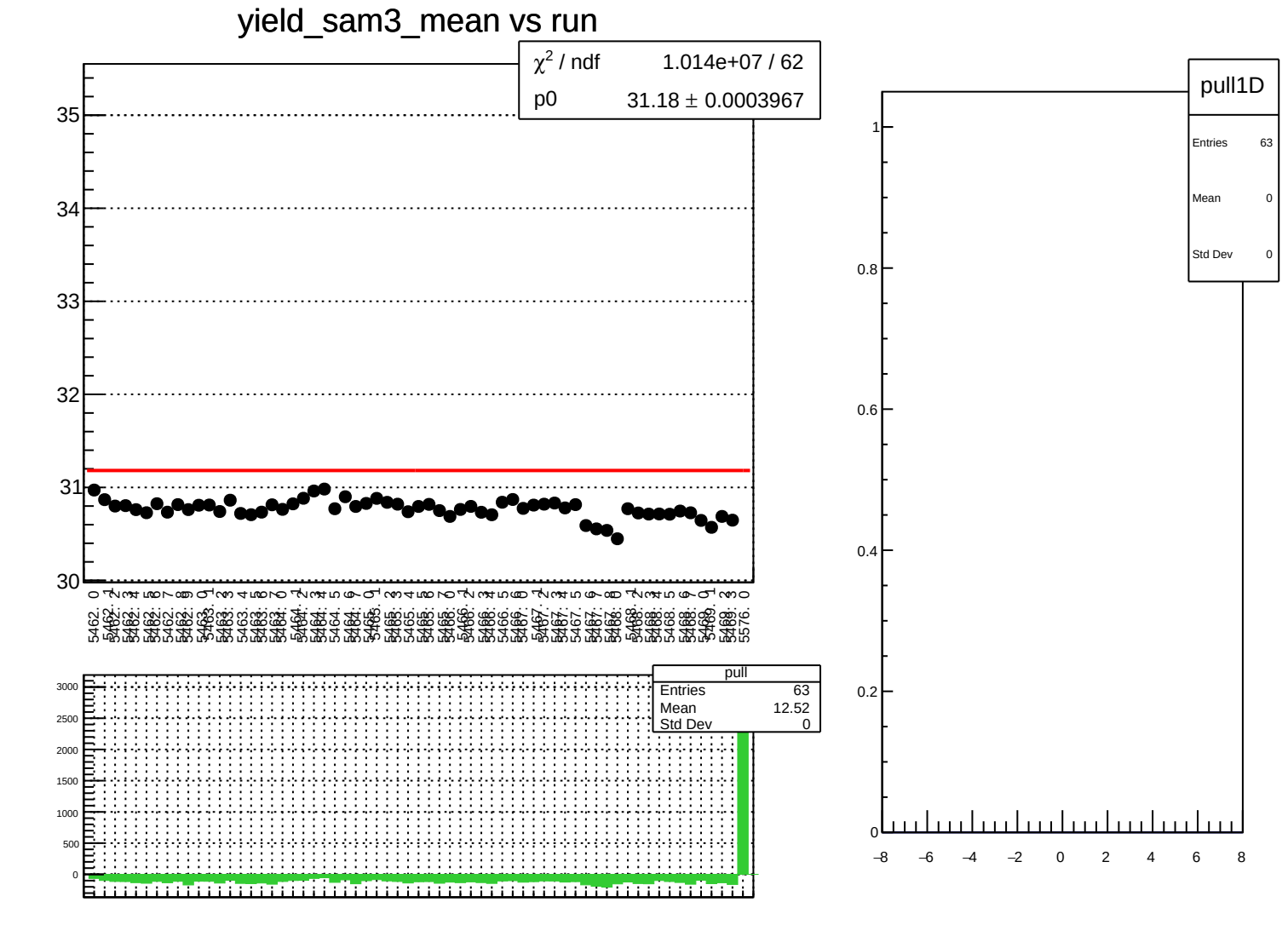

pull1D
Entries 63
Mean −2.037
Std Dev 4.865
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

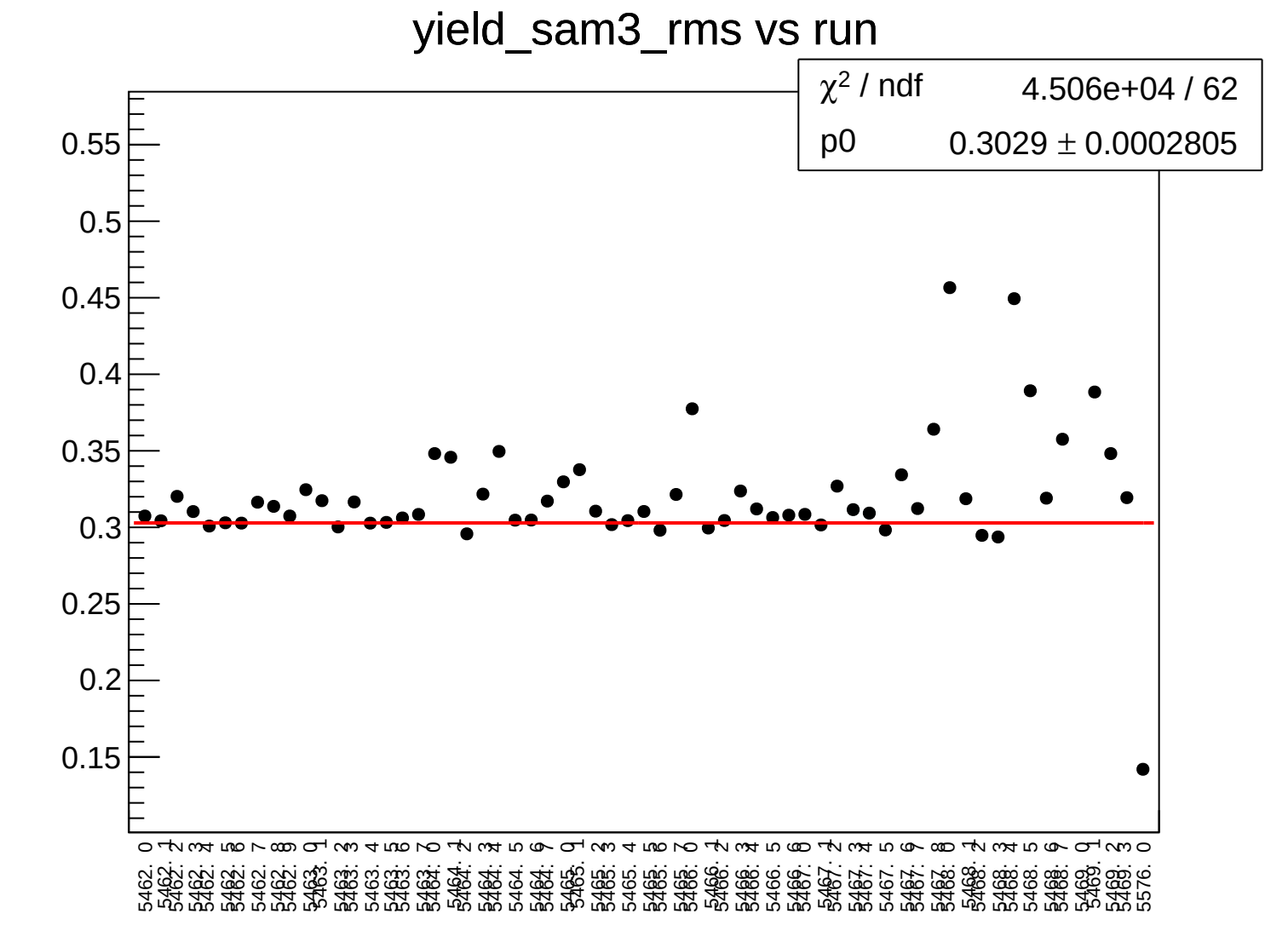

yield_sam1_rms vs run
χ² / ndf 7.404e+04 / 62
p0 0.02335 ± 2.19e−05
0.12
0.1
0.08
0.06
0.04
0.02

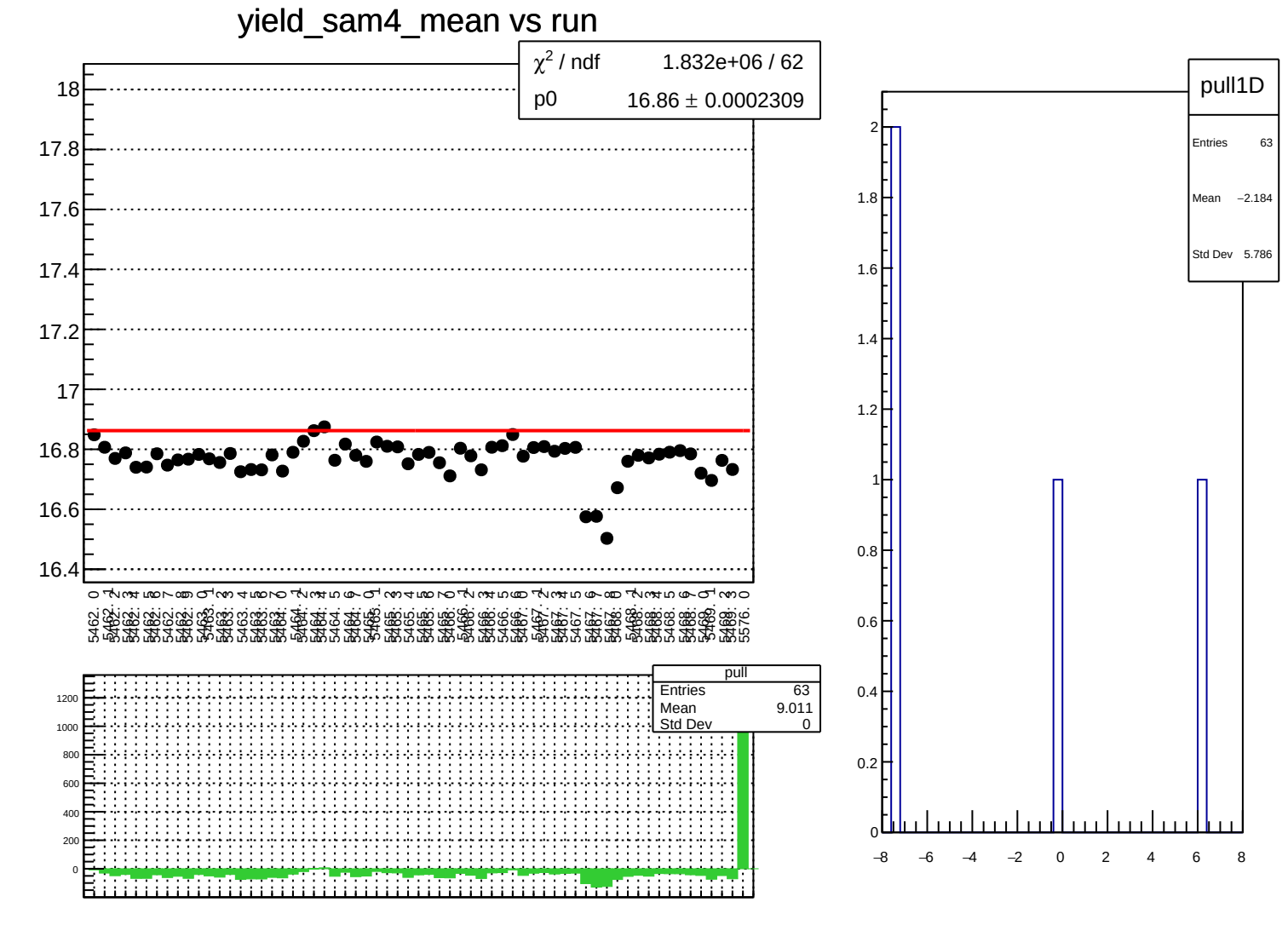

yield_sam2_mean vs run
χ² / ndf 1.153e+05 / 62
p0 17.48 ± 0.0004685
18
17.8
17.6
17.4
17.2
17
pull
Entries 63
Mean −23.25
Std Dev 0
250
200
150
100
50
0
−50

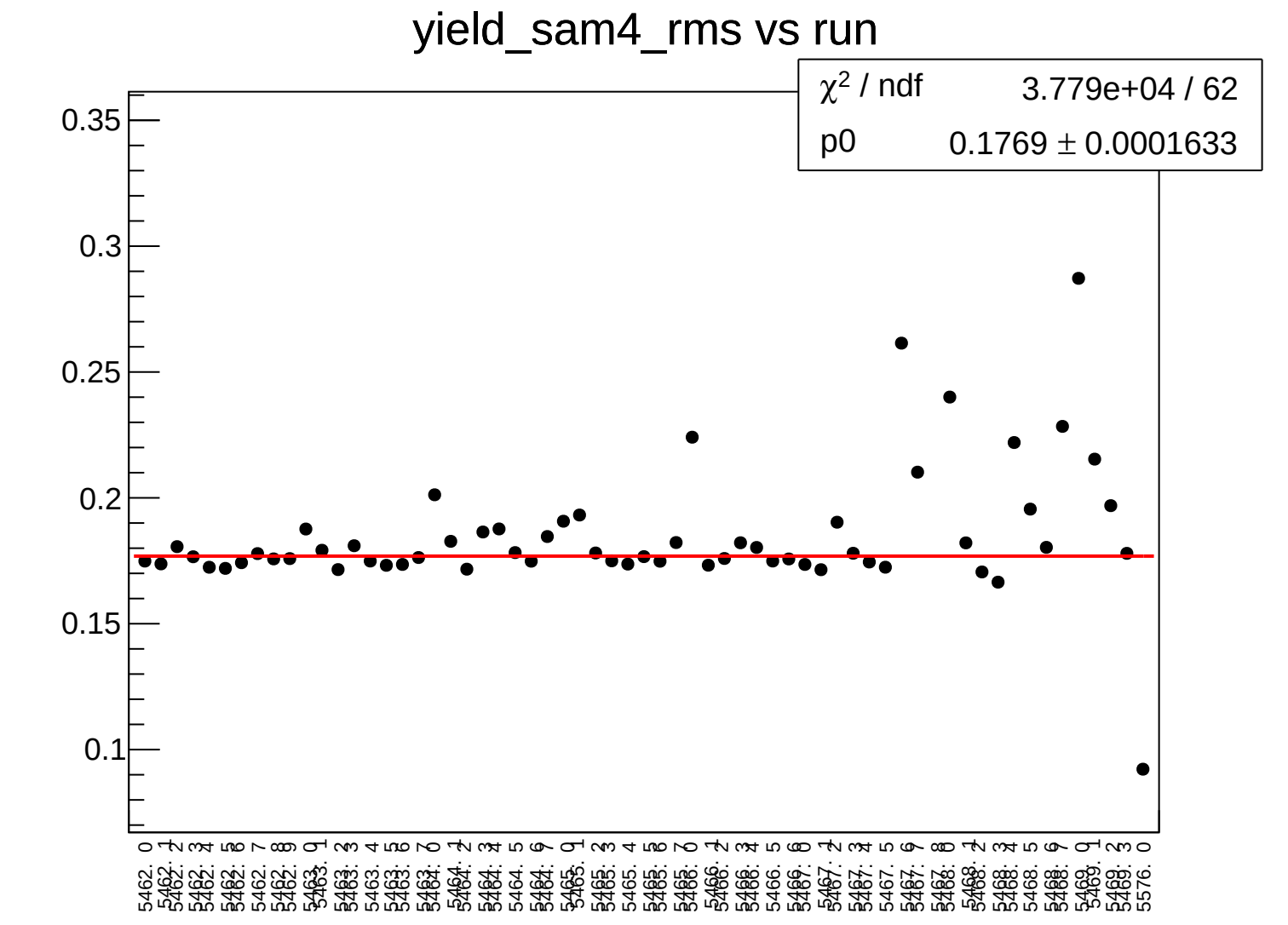

pull1D
Entries 63
Mean −0.03984
Std Dev 5.097
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

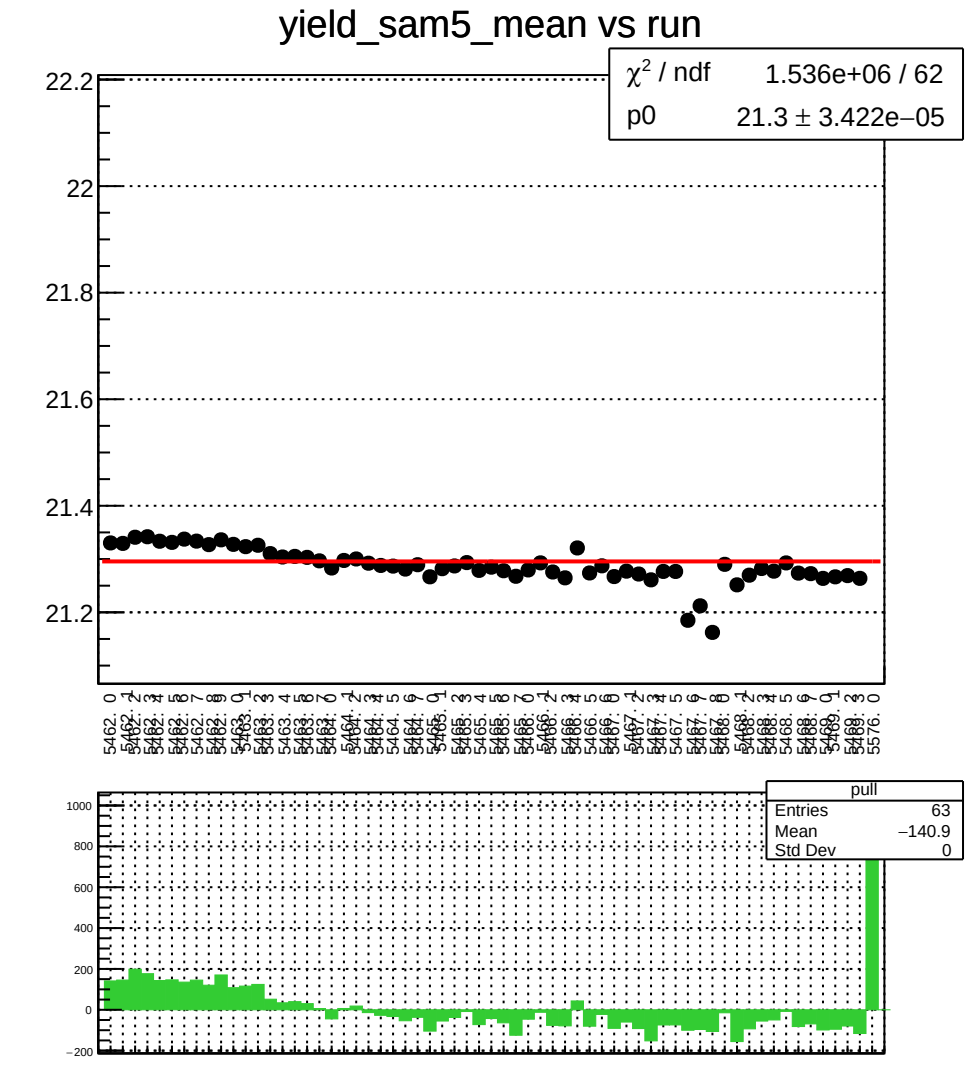

yield_sam2_rms vs run
χ² / ndf 2.238e+04 / 62
p0 0.3611 ± 0.0003312
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

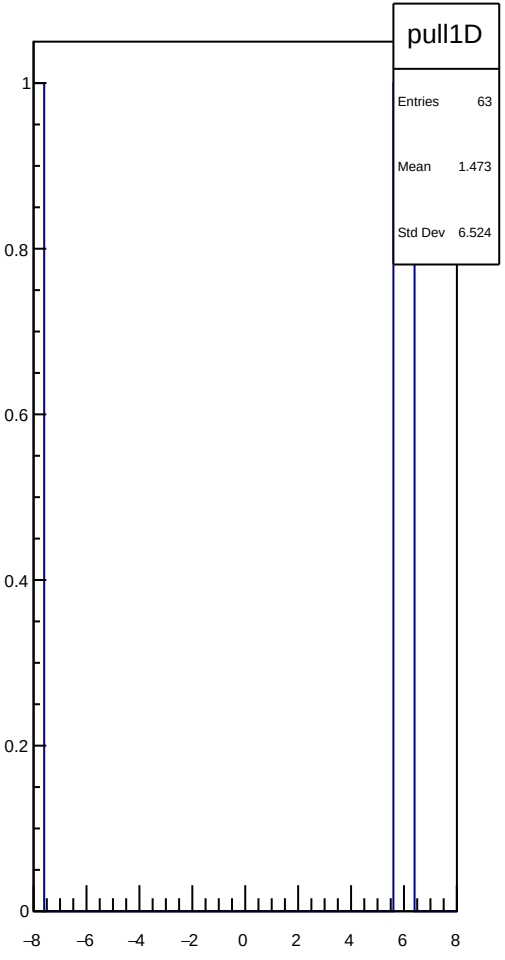

yield_sam3_mean vs run
χ² / ndf 1.014e+07 / 62
p0 31.18 ± 0.0003967
pull
Entries 63
Mean 12.52
Std Dev 0
pull1D
Entries 63
Mean 0
Std Dev 0

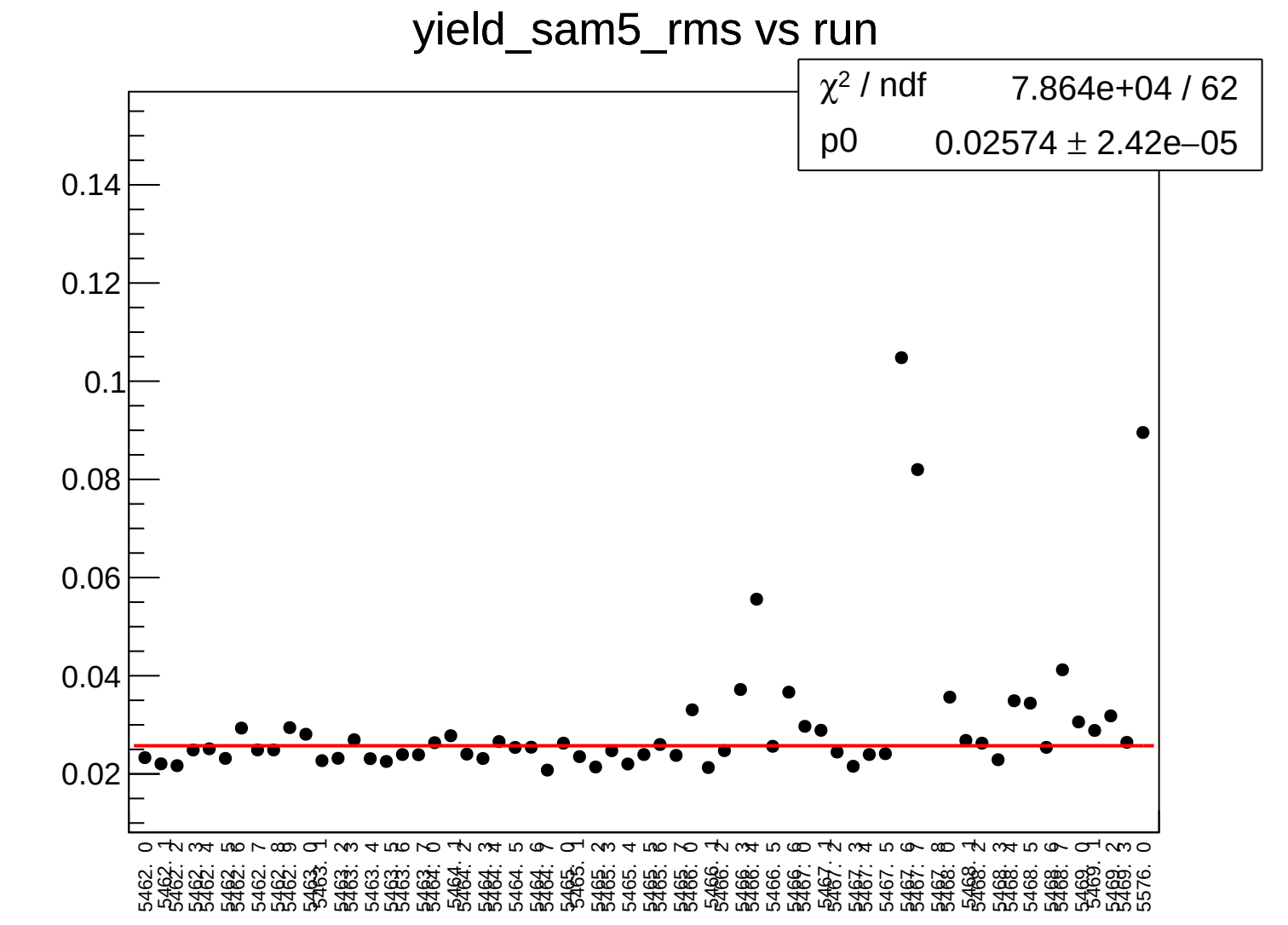

yield_sam3_rms vs run
χ² / ndf 4.506e+04 / 62
p0 0.3029 ± 0.0002805
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5465. 8
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

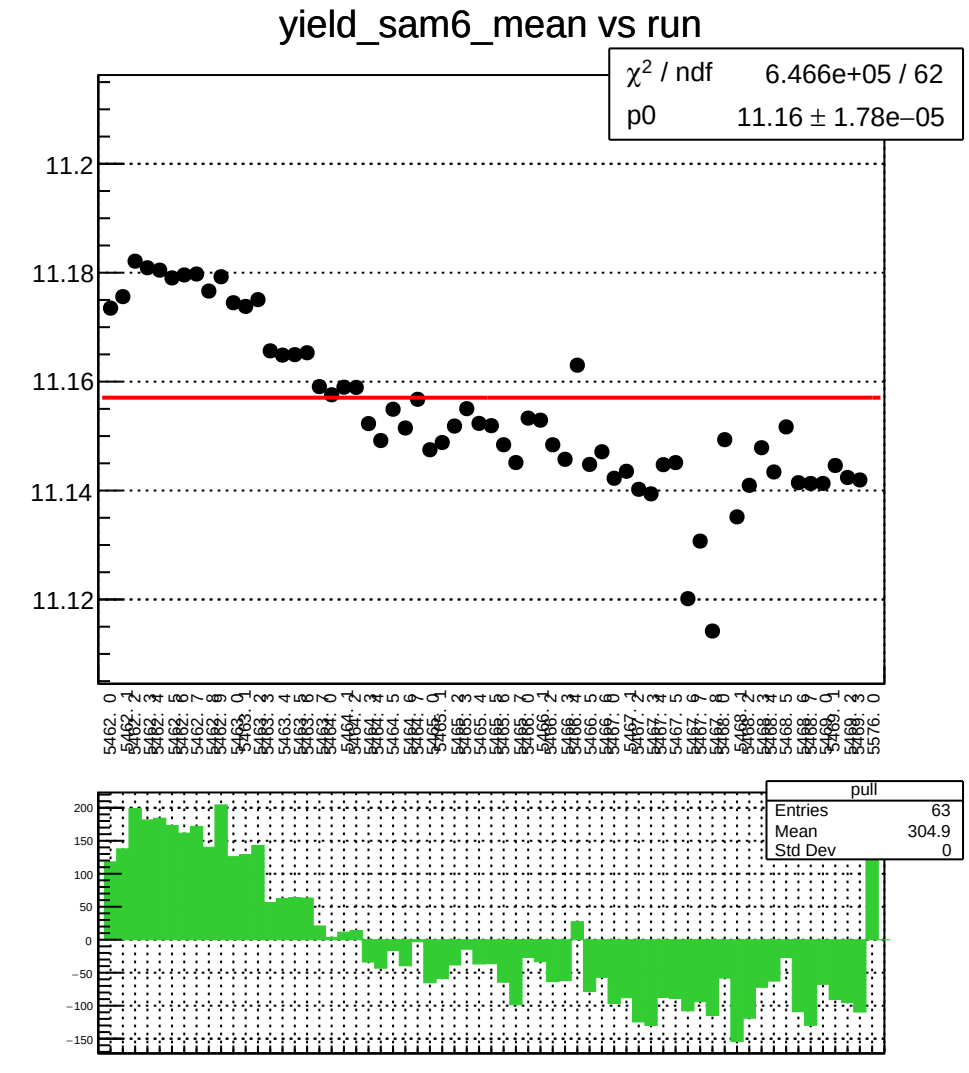

yield_sam4_mean vs run
χ² / ndf 1.832e+06 / 62
p0 16.86 ± 0.0002309
pull
Entries 63
Mean 9.011
Std Dev 0
pull1D
Entries 63
Mean −2.184
Std Dev 5.786

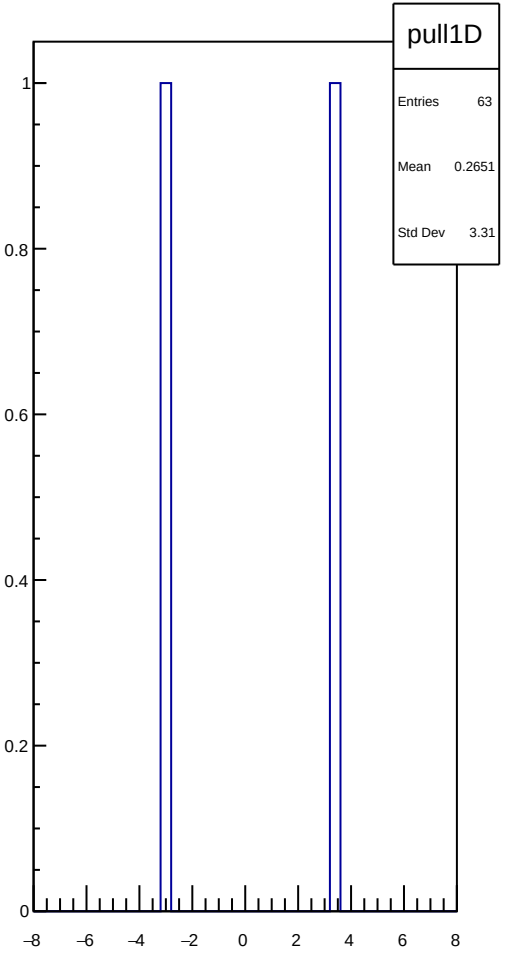

yield_sam4_rms vs run
χ² / ndf 3.779e+04 / 62
p0 0.1769 ± 0.0001633
0.35
0.3
0.25
0.2
0.15
0.1
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

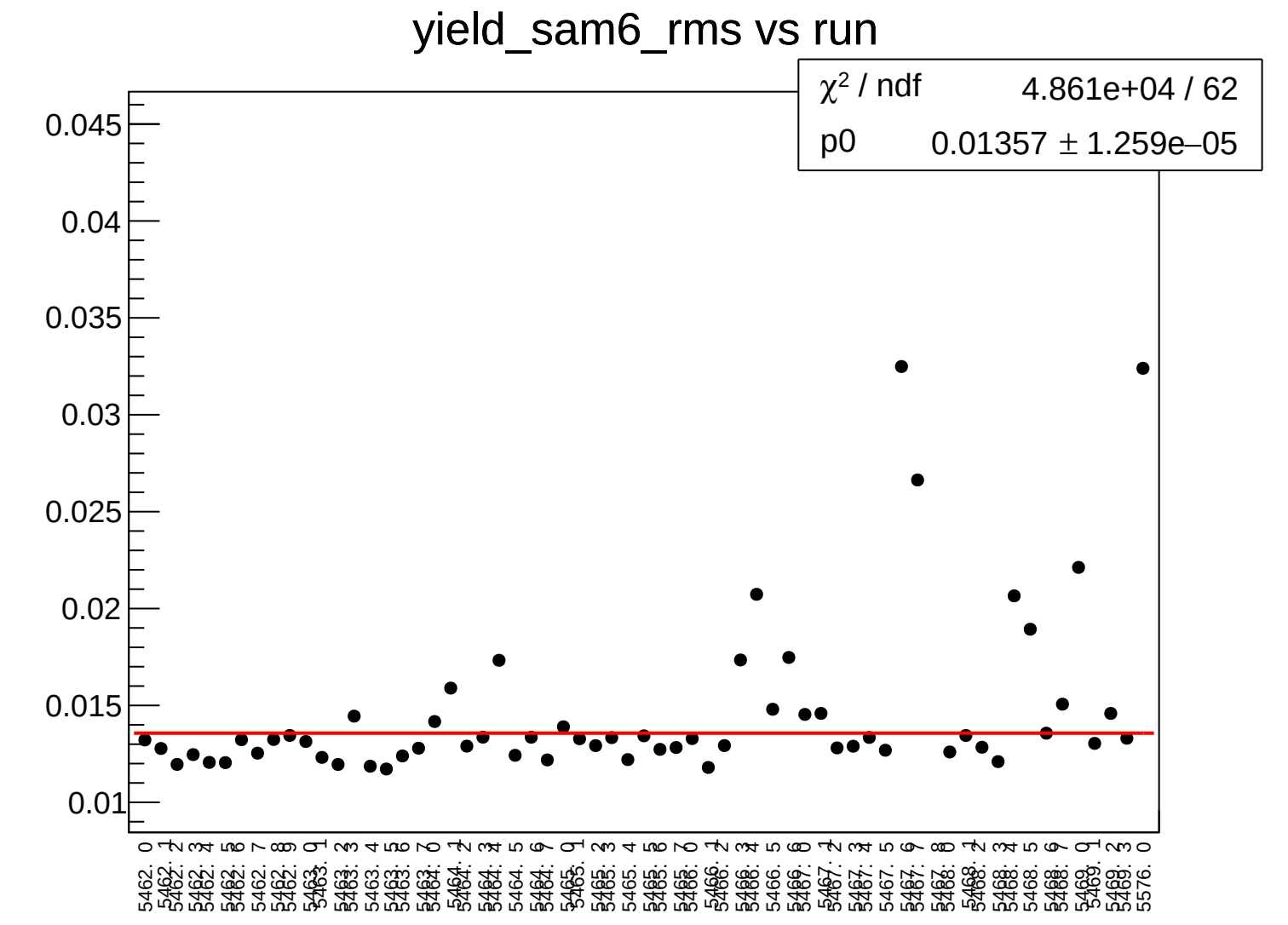

yield_sam5_mean vs run
χ² / ndf 1.536e+06 / 62
p0 21.3 ± 3.422e−05
22.2
22
21.8
21.6
21.4
21.2
pull
Entries 63
Mean −140.9
Std Dev 0
1000
800
600
400
200
0
−200


pull1D
Entries 63
Mean 1.473
Std Dev 6.524
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 7.864e+04 / 62
p0 0.02574 ± 2.42e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02


yield_sam6_mean vs run
χ² / ndf 6.466e+05 / 62
p0 11.16 ± 1.78e−05
11.2
11.18
11.16
11.14
11.12
pull
Entries 63
Mean 304.9
Std Dev 0
200
150
100
50
0
−50
−100
−150


pull1D
Entries 63
Mean 0.2651
Std Dev 3.31
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 4.861e+04 / 62
p0 0.01357 ± 1.259e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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5468. 0
5468. 1
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5468. 7
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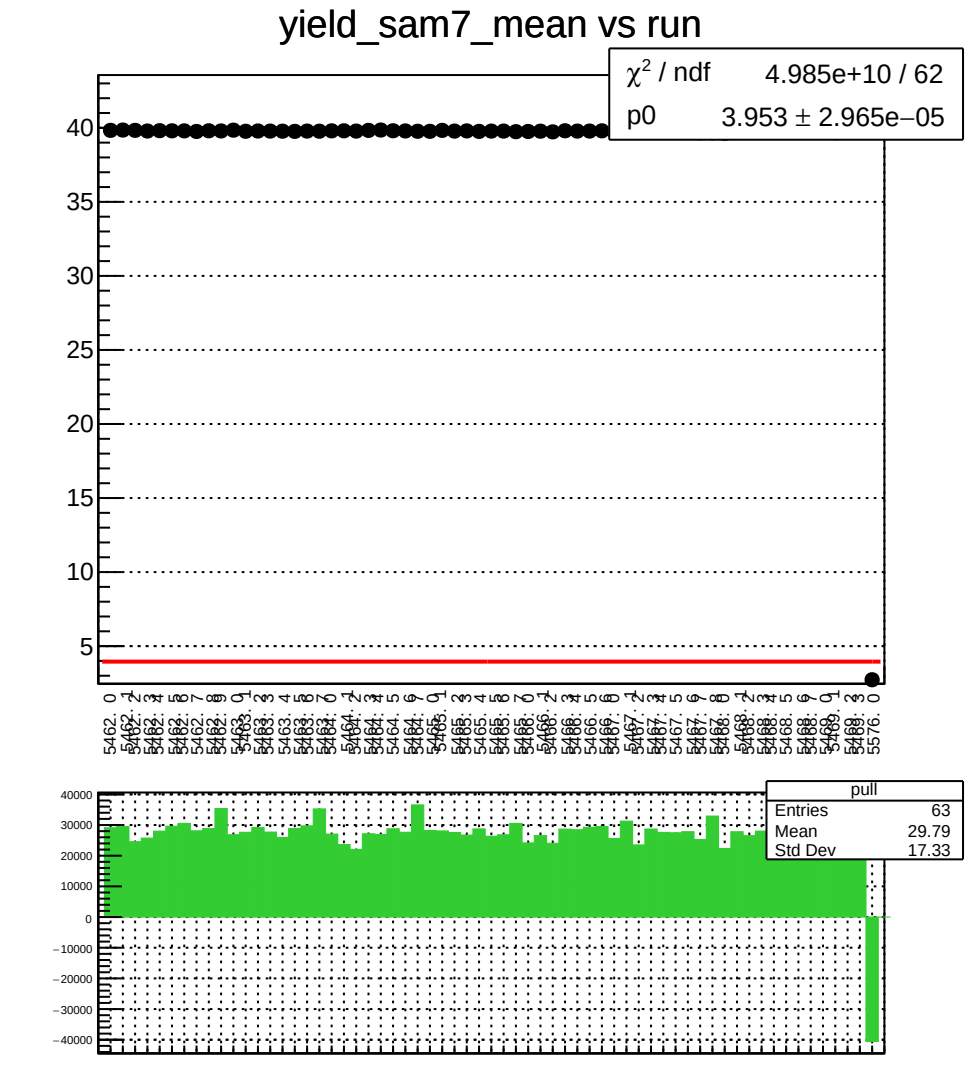
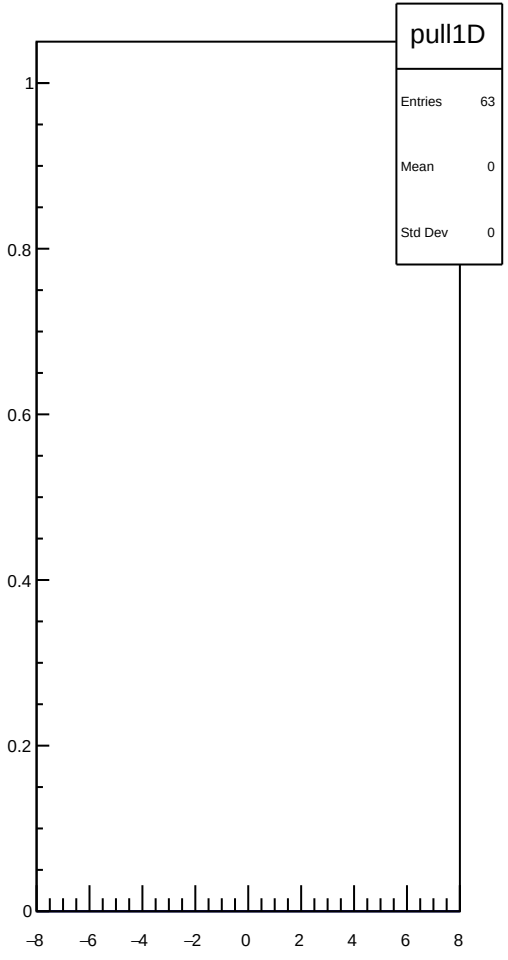
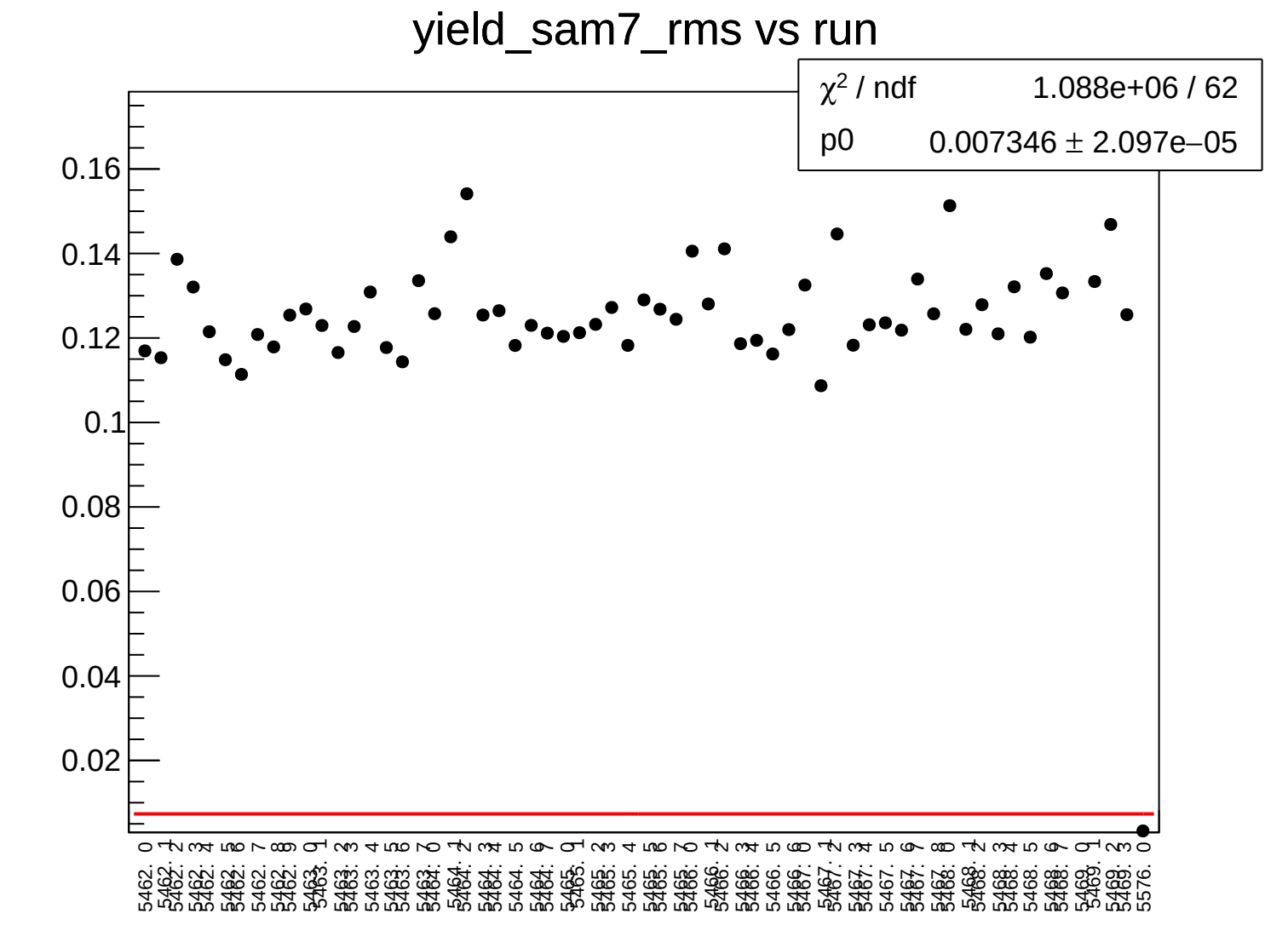
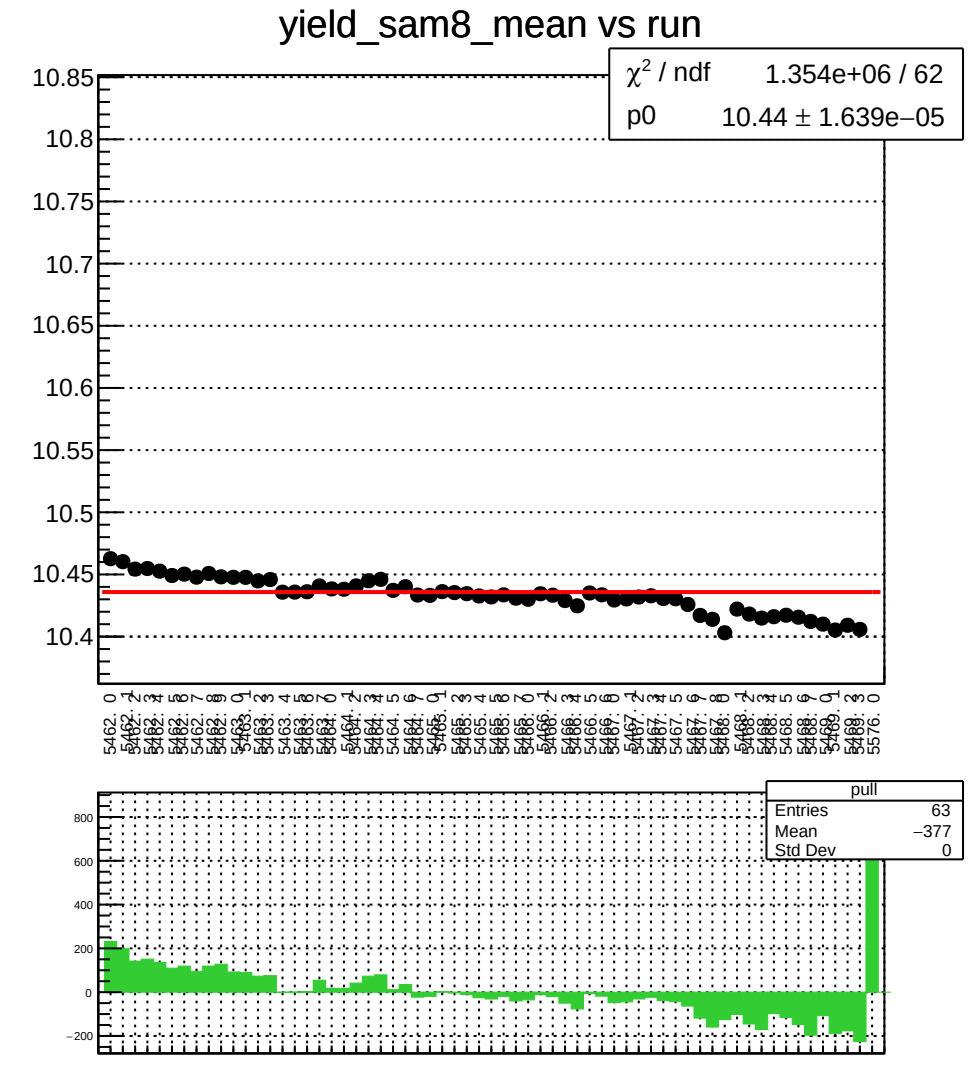
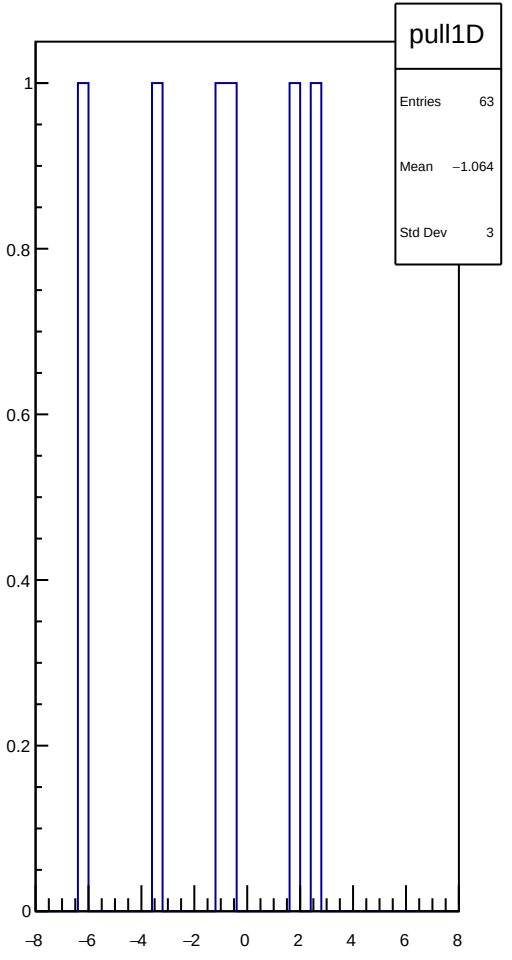
5469. 1
5469. 2
5469. 3
5576. 0

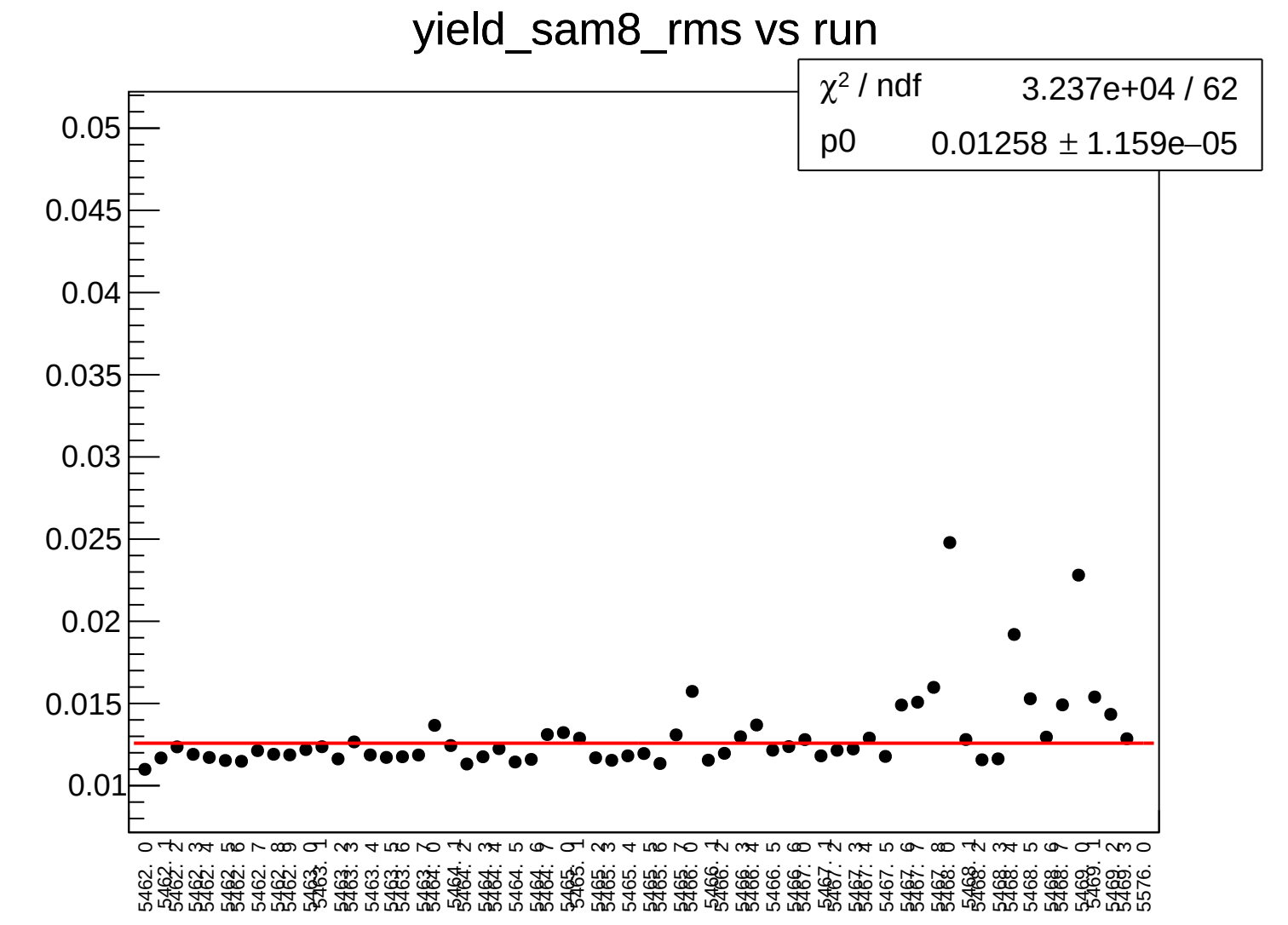

yield_sam7_mean vs run
χ² / ndf 4.985e+10 / 62
p0 3.953 ± 2.965e−05
pull
Entries 63
Mean 29.79
Std Dev 17.33

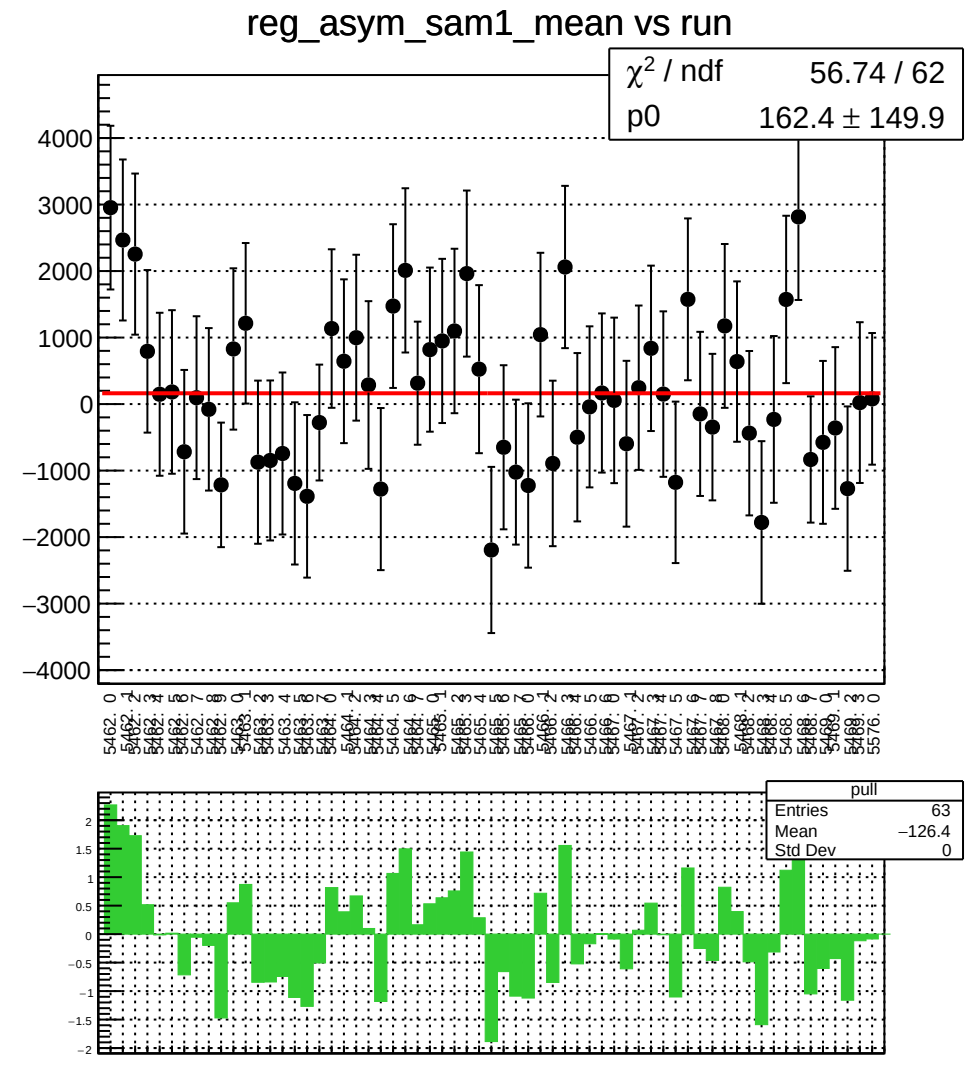

pull1D
Entries 63
Mean 0
Std Dev 0

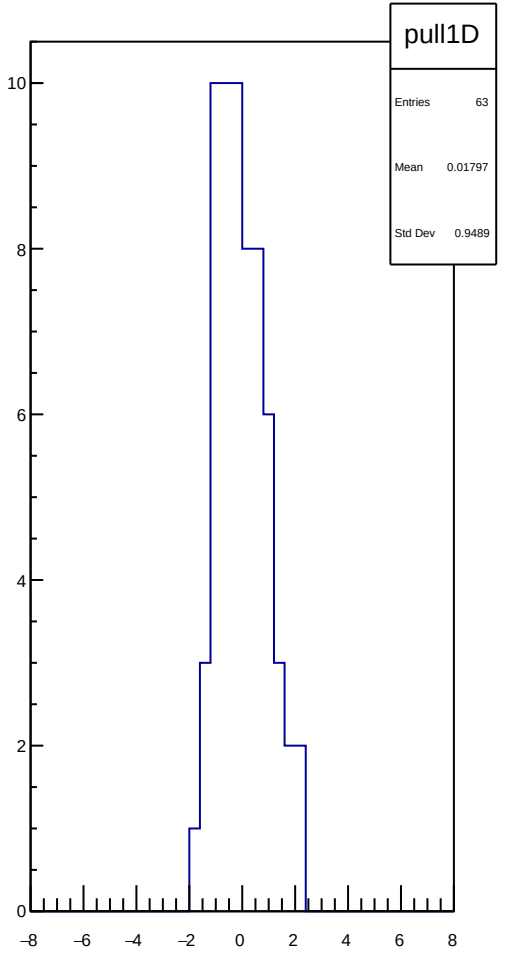

yield_sam7_rms vs run
χ² / ndf 1.088e+06 / 62
p0 0.007346 ± 2.097e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

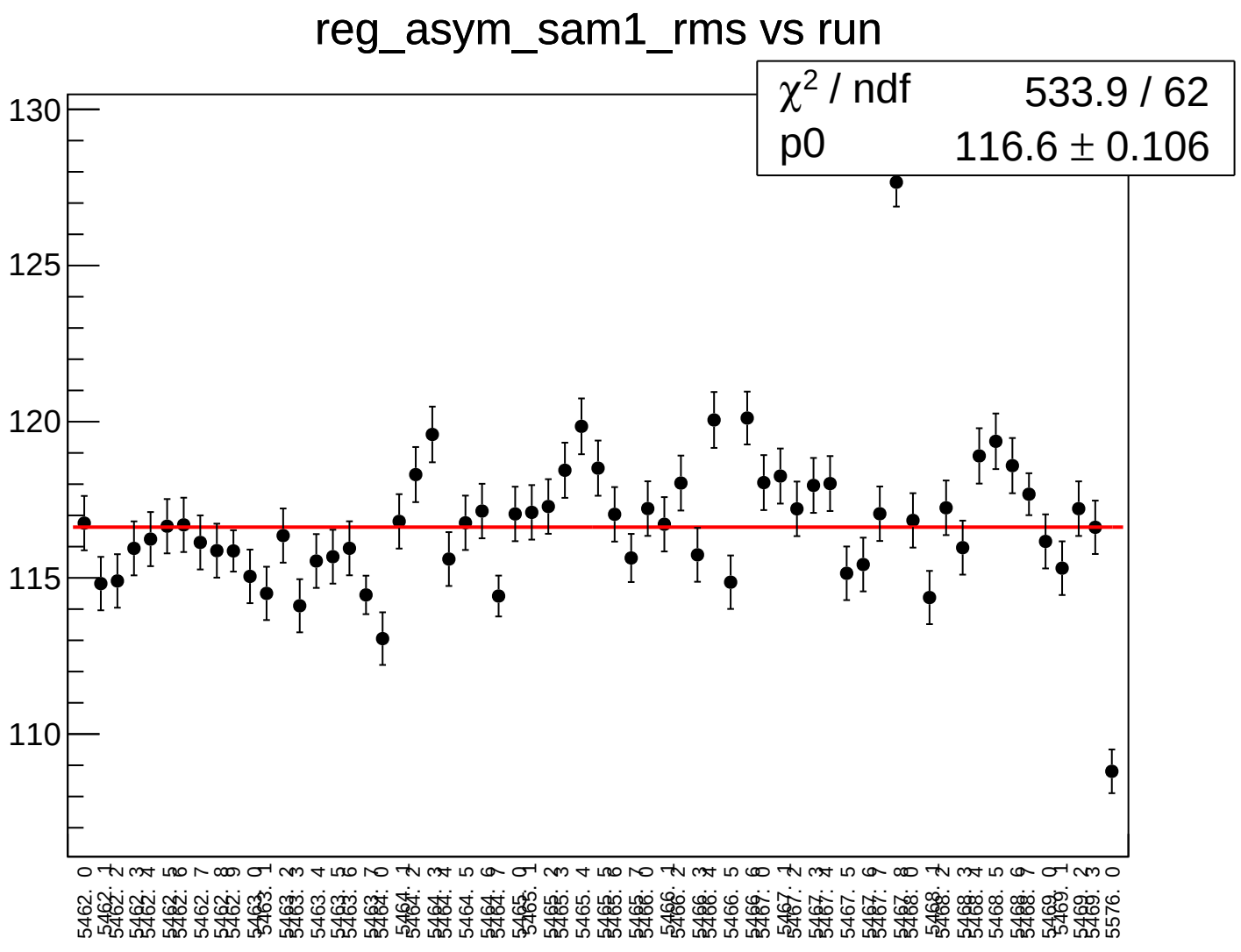

yield_sam8_mean vs run
χ² / ndf 1.354e+06 / 62
p0 10.44 ± 1.639e−05
pull
Entries 63
Mean −377
Std Dev 0

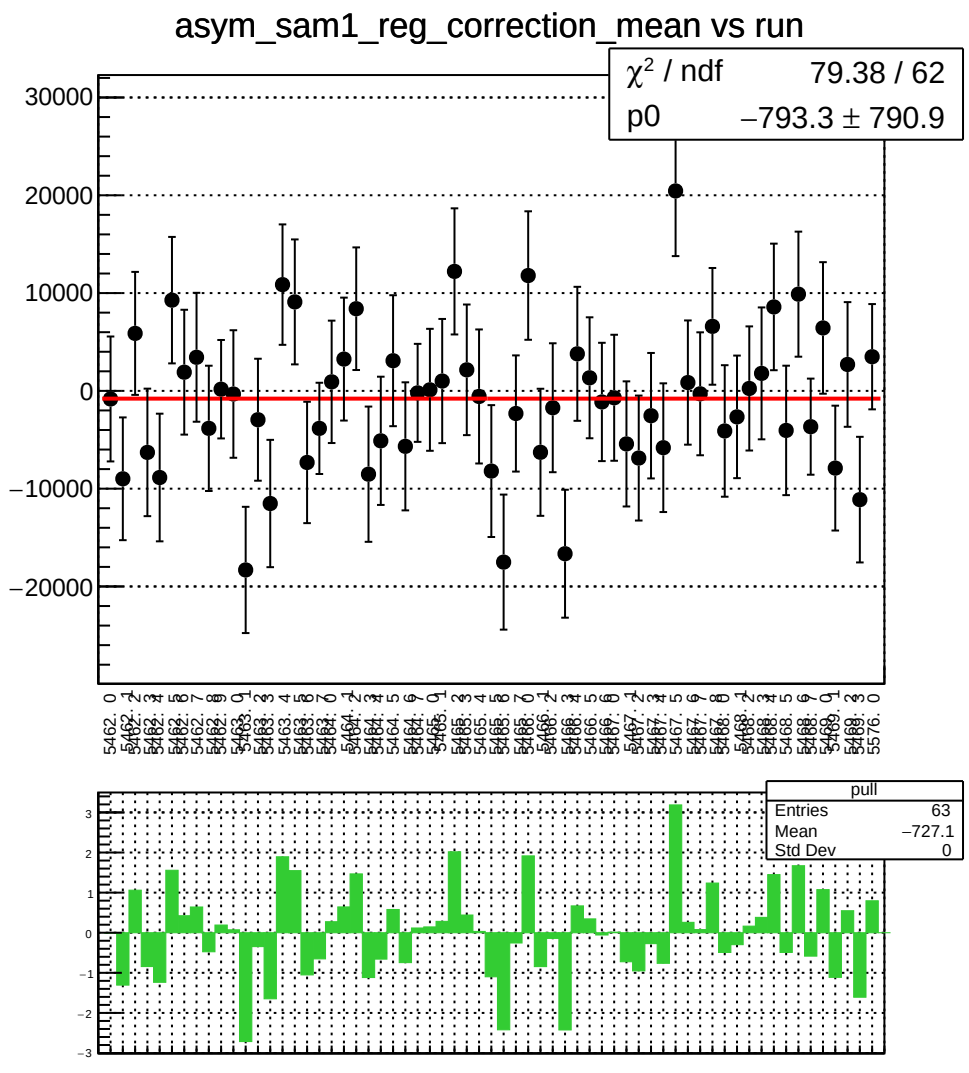

pull1D
Entries 63
Mean −1.064
Std Dev 3

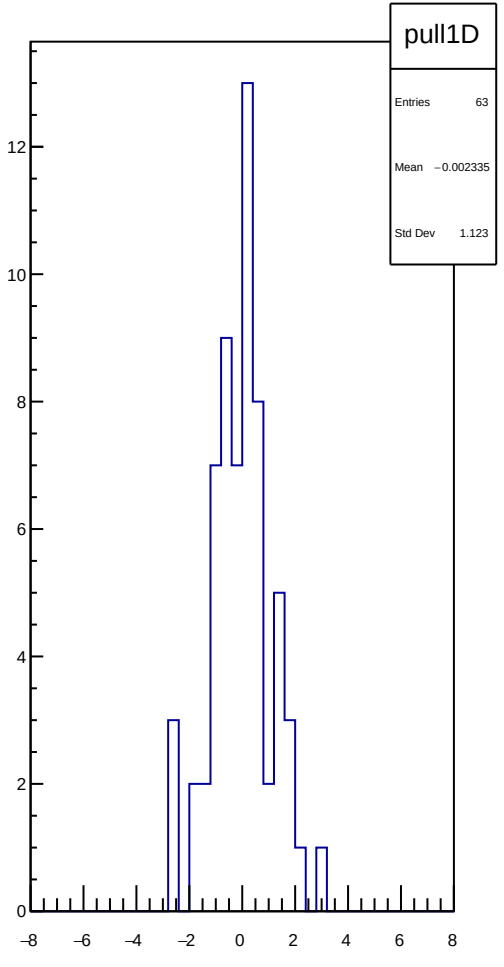

yield_sam8_rms vs run
χ² / ndf 3.237e+04 / 62
p0 0.01258 ± 1.159e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

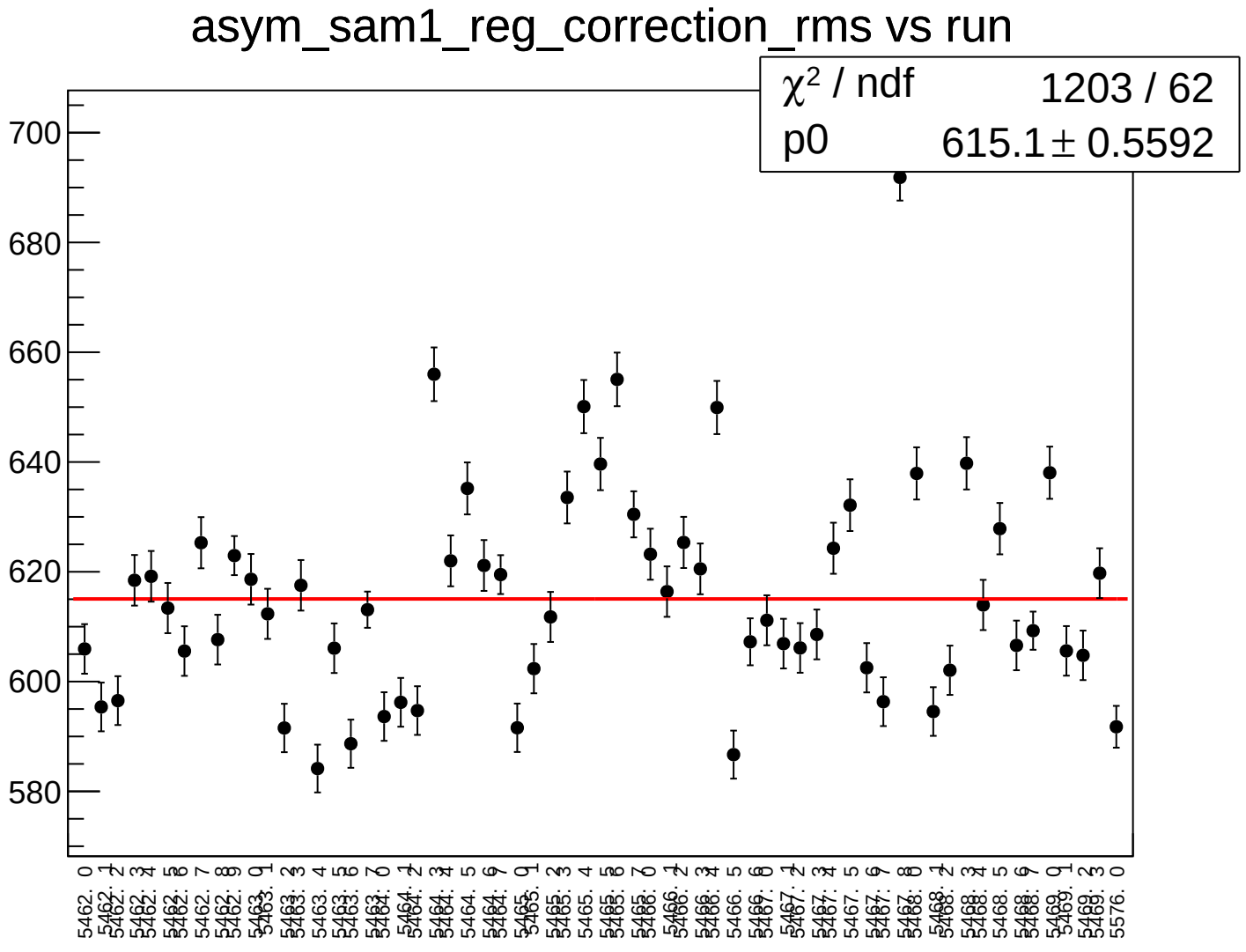

reg_asym_sam1_mean vs run
χ² / ndf 56.74 / 62
p0 162.4 ± 149.9
pull
Entries 63
Mean −126.4
Std Dev 0

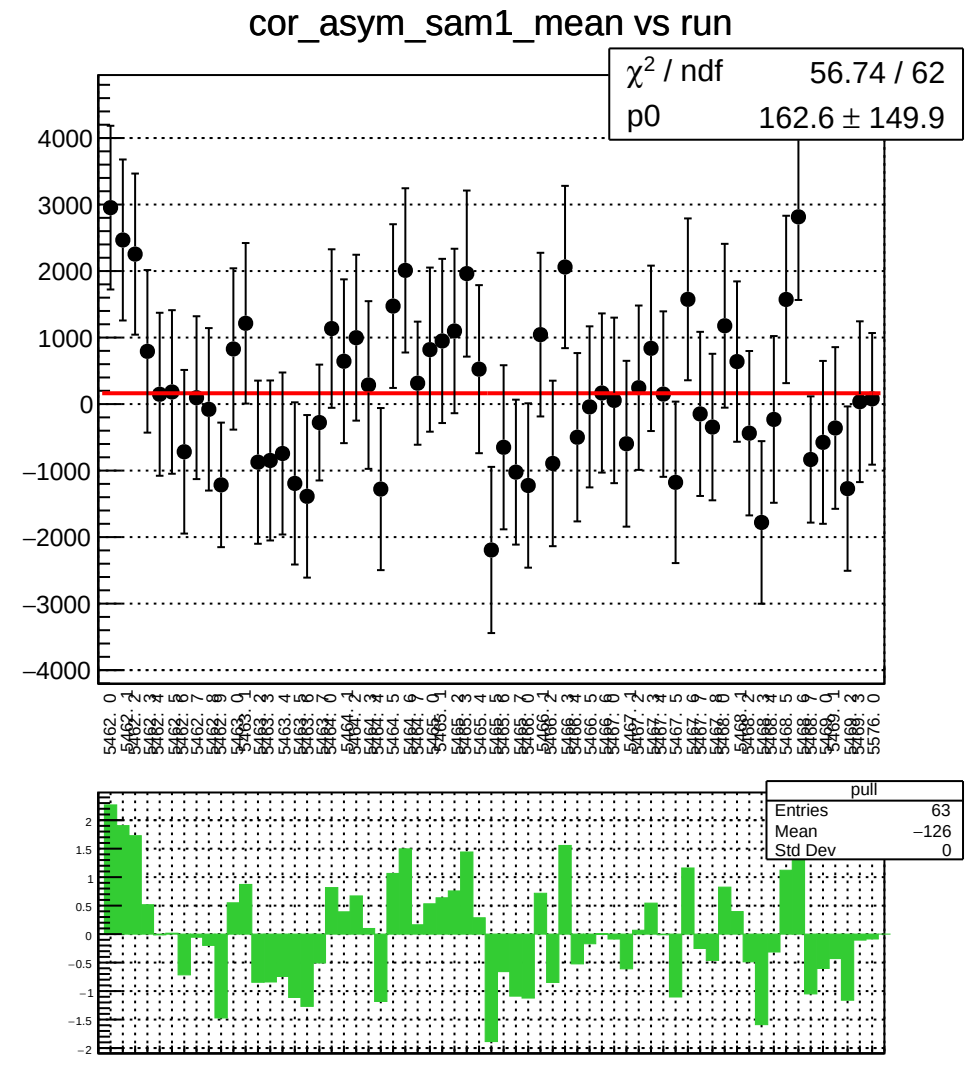

pull1D
Entries 63
Mean 0.01797
Std Dev 0.9489

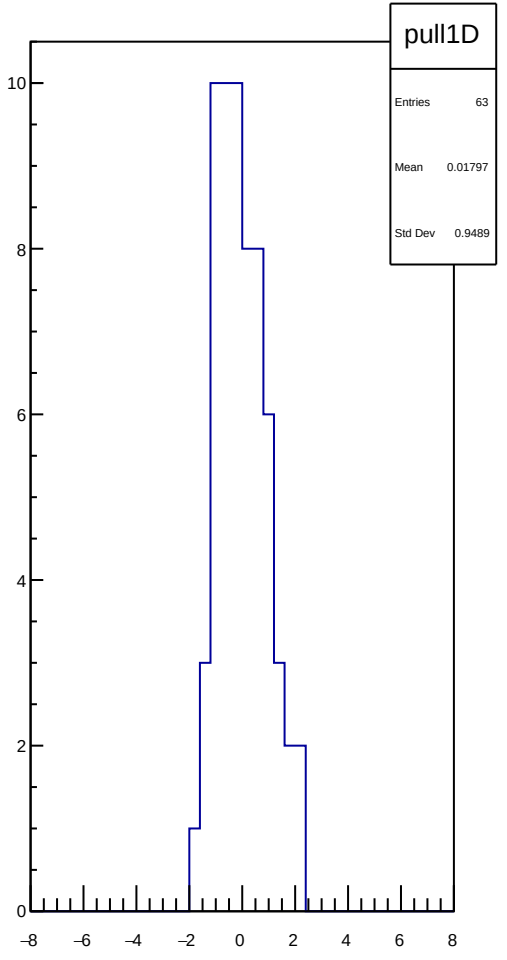

reg_asym_sam1_rms vs run
χ^2 / ndf 533.9 / 62
p0 116.6 ± 0.106
130
125
120
115
110

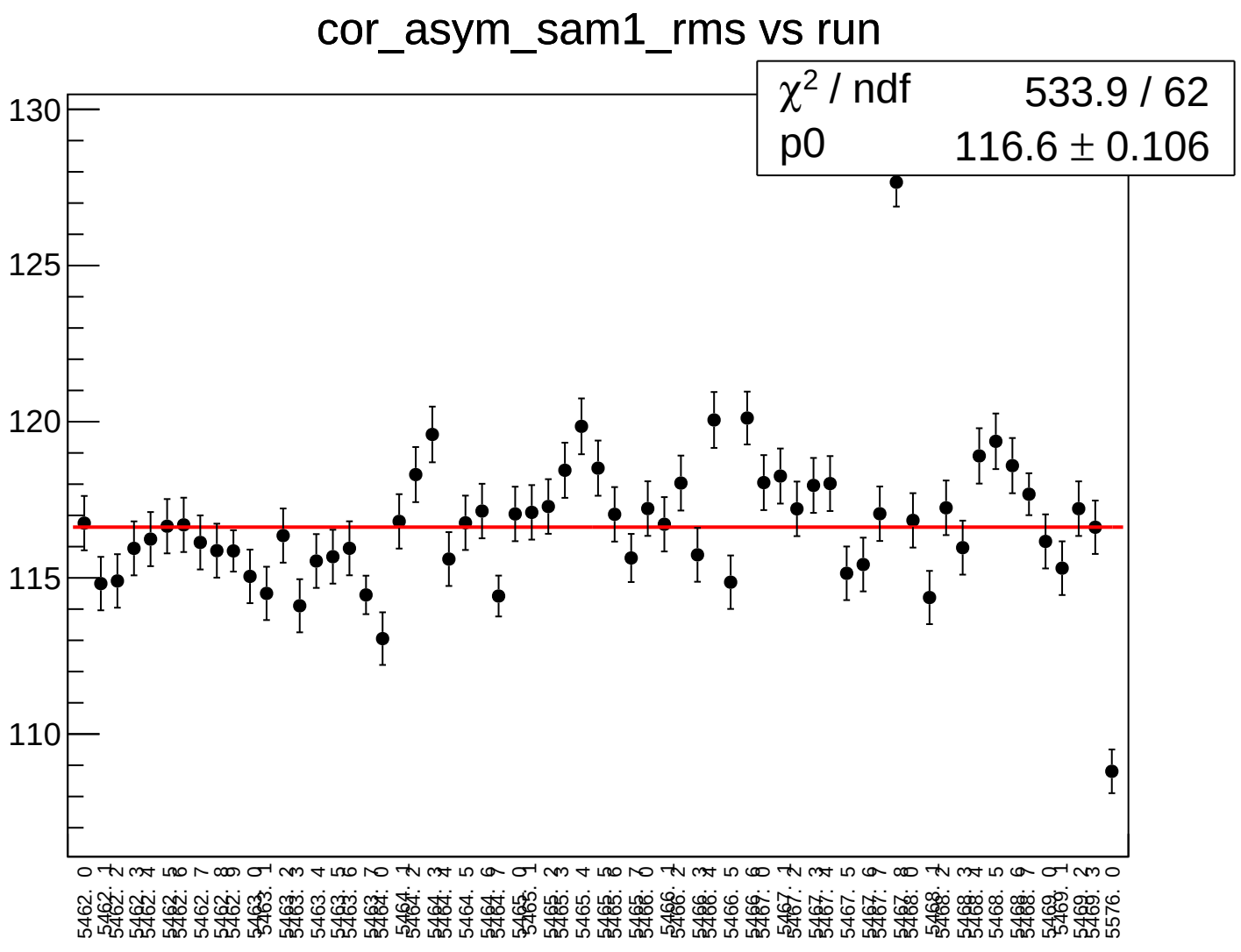

asym_sam1_reg_correction_mean vs run
χ² / ndf 79.38 / 62
p0 −793.3 ± 790.9
pull
Entries 63
Mean −727.1
Std Dev 0

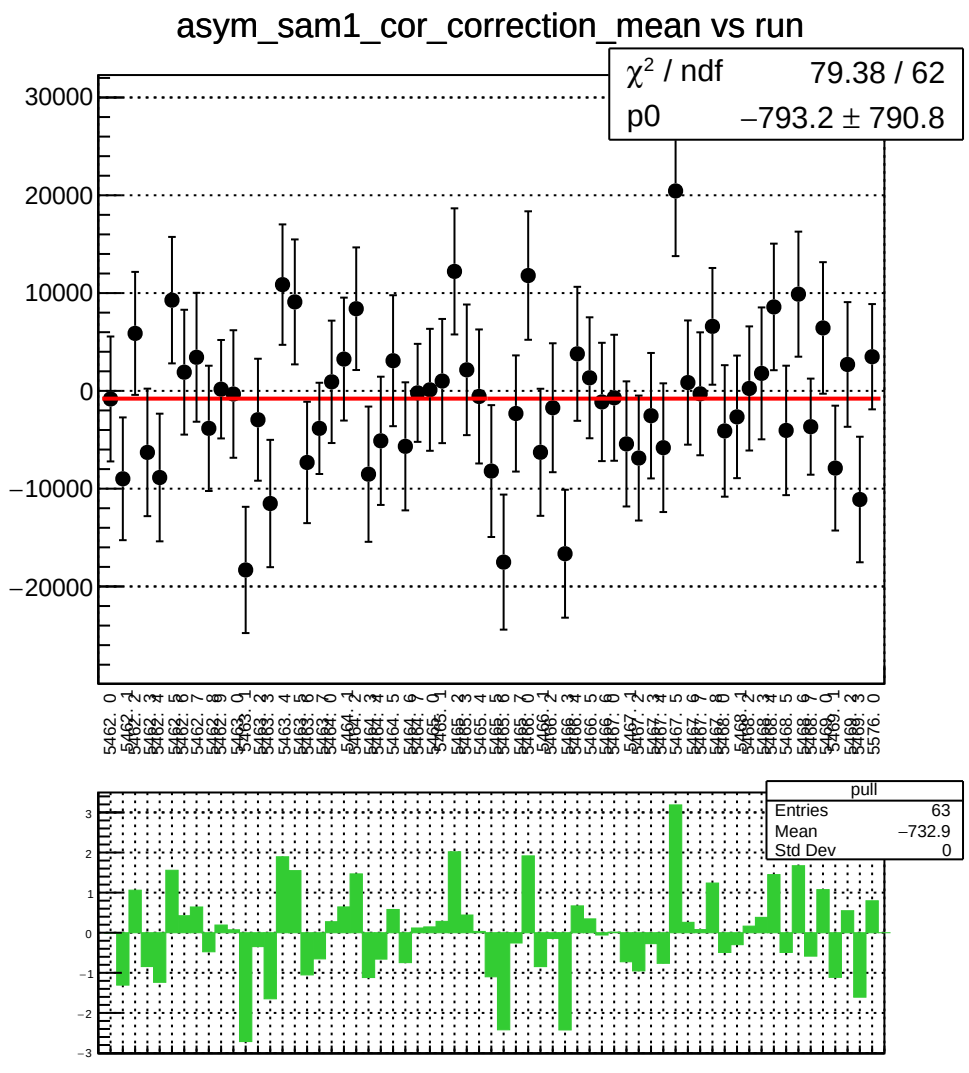

pull1D
Entries 63
Mean −0.002335
Std Dev 1.123

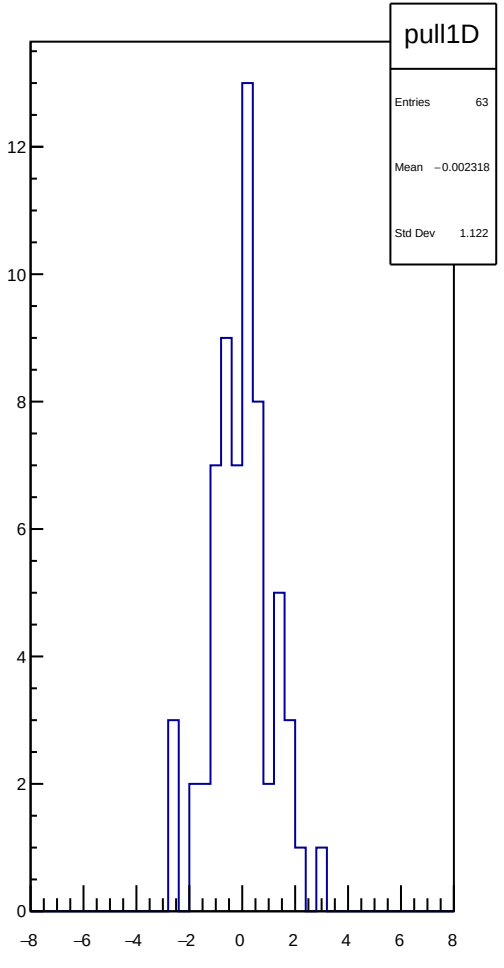

asym_sam1_reg_correction_rms vs run
χ² / ndf 1203 / 62
p0 615.1 ± 0.5592
700
680
660
640
620
600
580

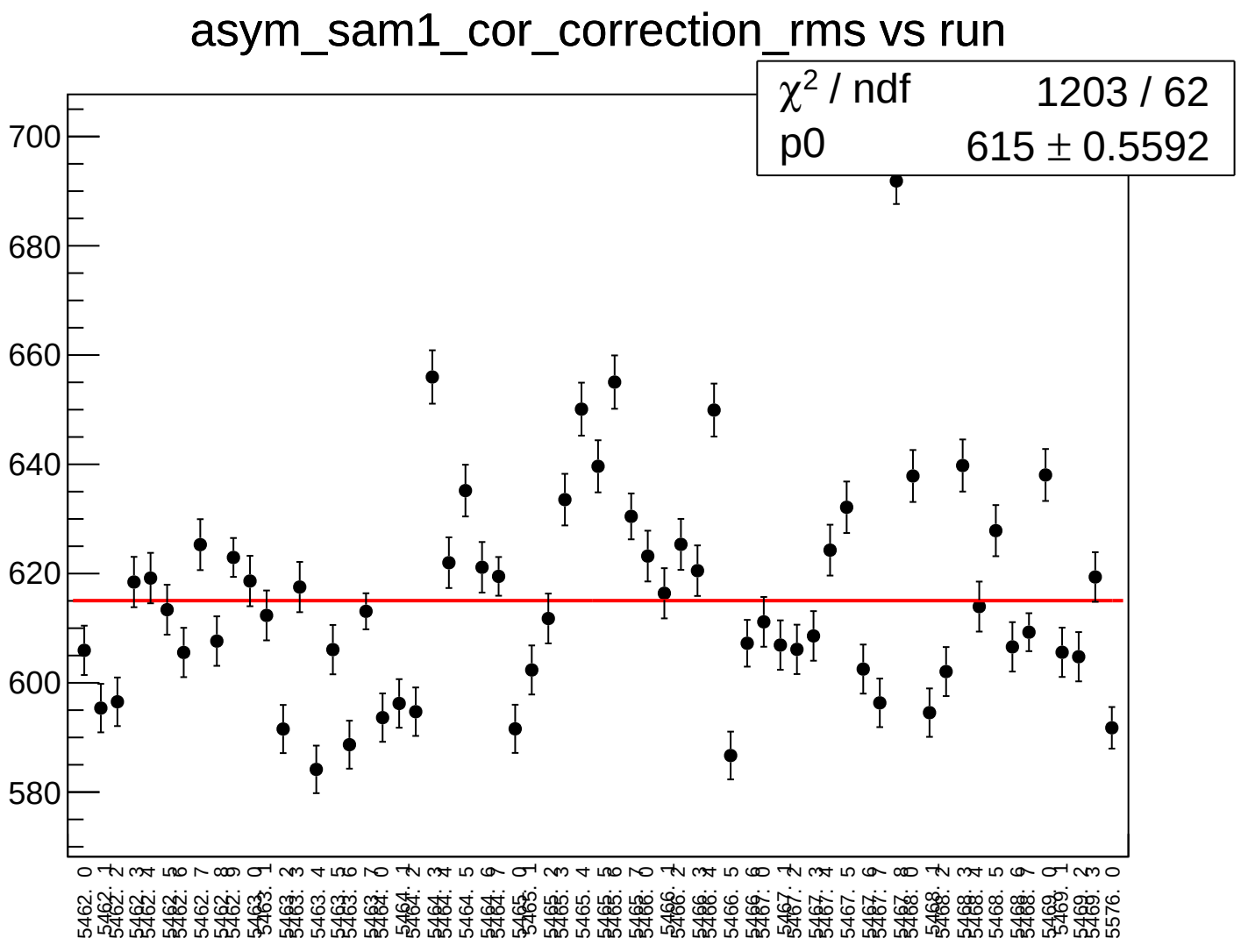

cor_asym_sam1_mean vs run
χ² / ndf 56.74 / 62
p0 162.6 ± 149.9
pull
Entries 63
Mean −126
Std Dev 0

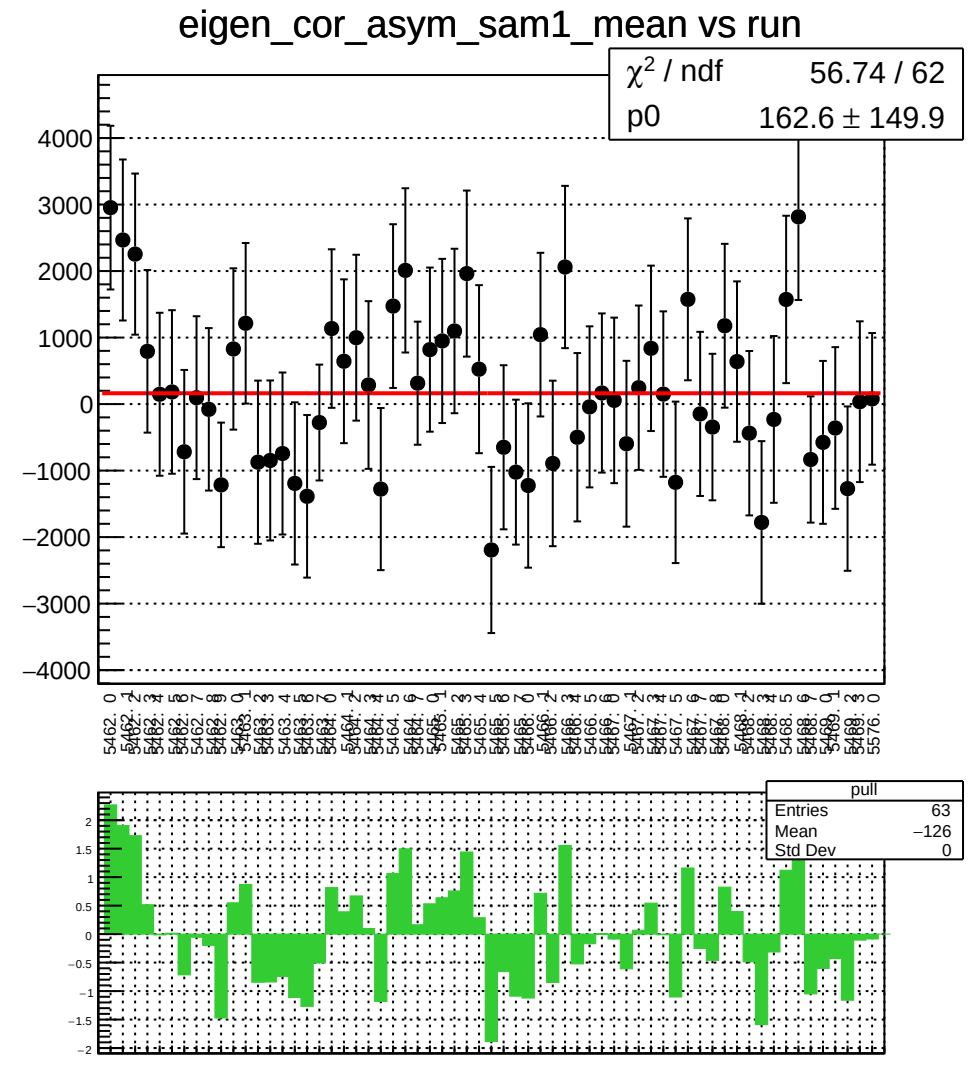

pull1D
Entries 63
Mean 0.01797
Std Dev 0.9489

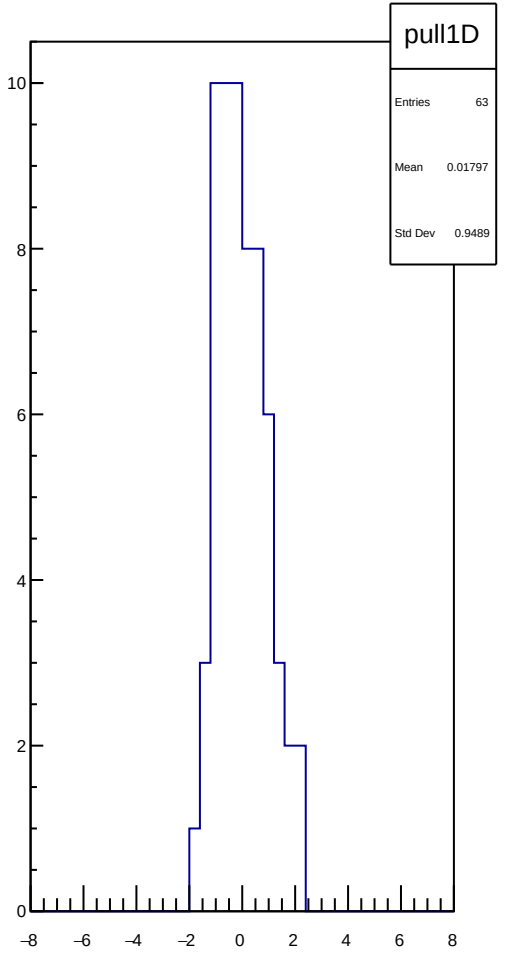

cor_asym_sam1_rms vs run
χ² / ndf 533.9 / 62
p0 116.6 ± 0.106
130
125
120
115
110

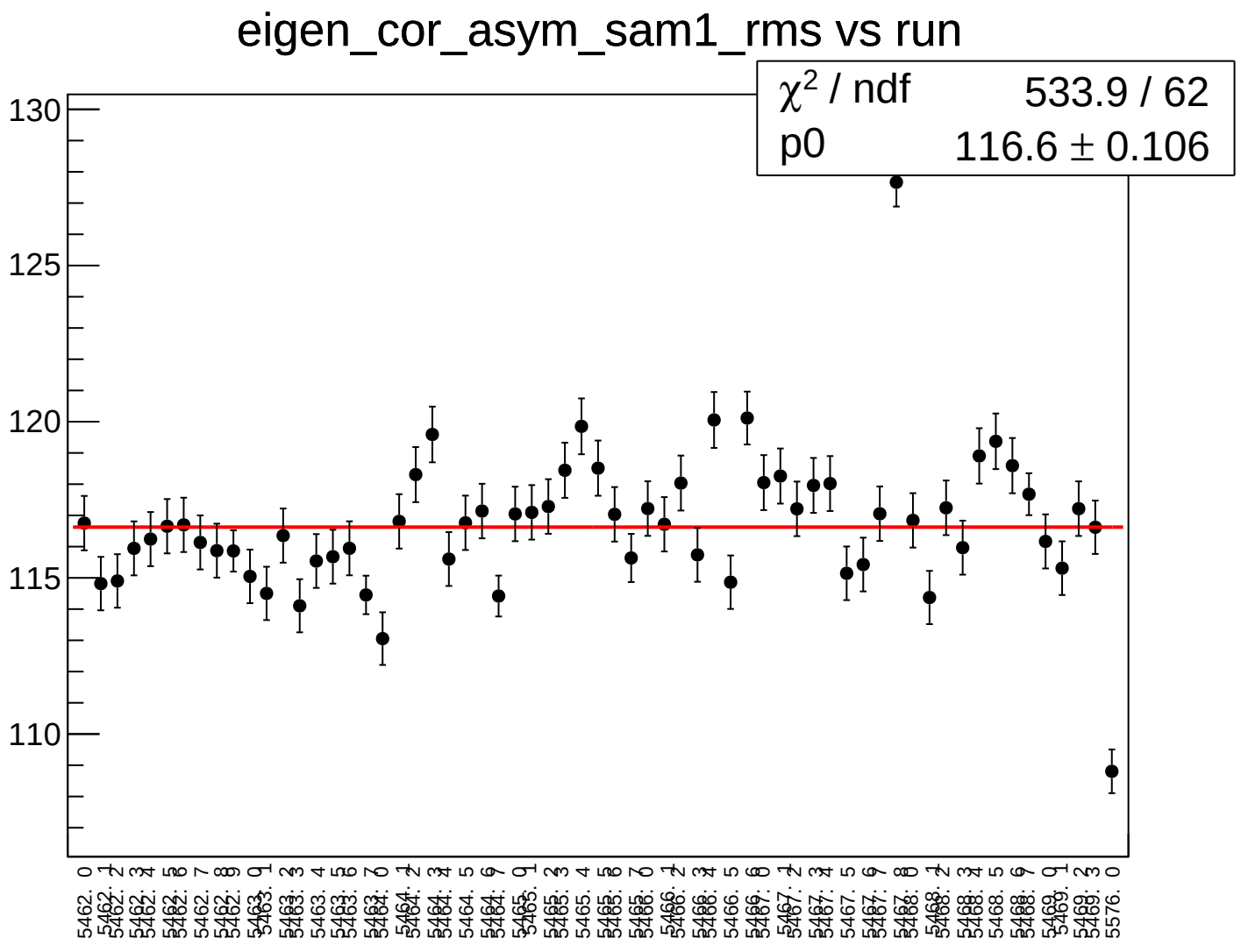

asym_sam1_cor_correction_mean vs run
χ² / ndf 79.38 / 62
p0 −793.2 ± 790.8
pull
Entries 63
Mean −732.9
Std Dev 0

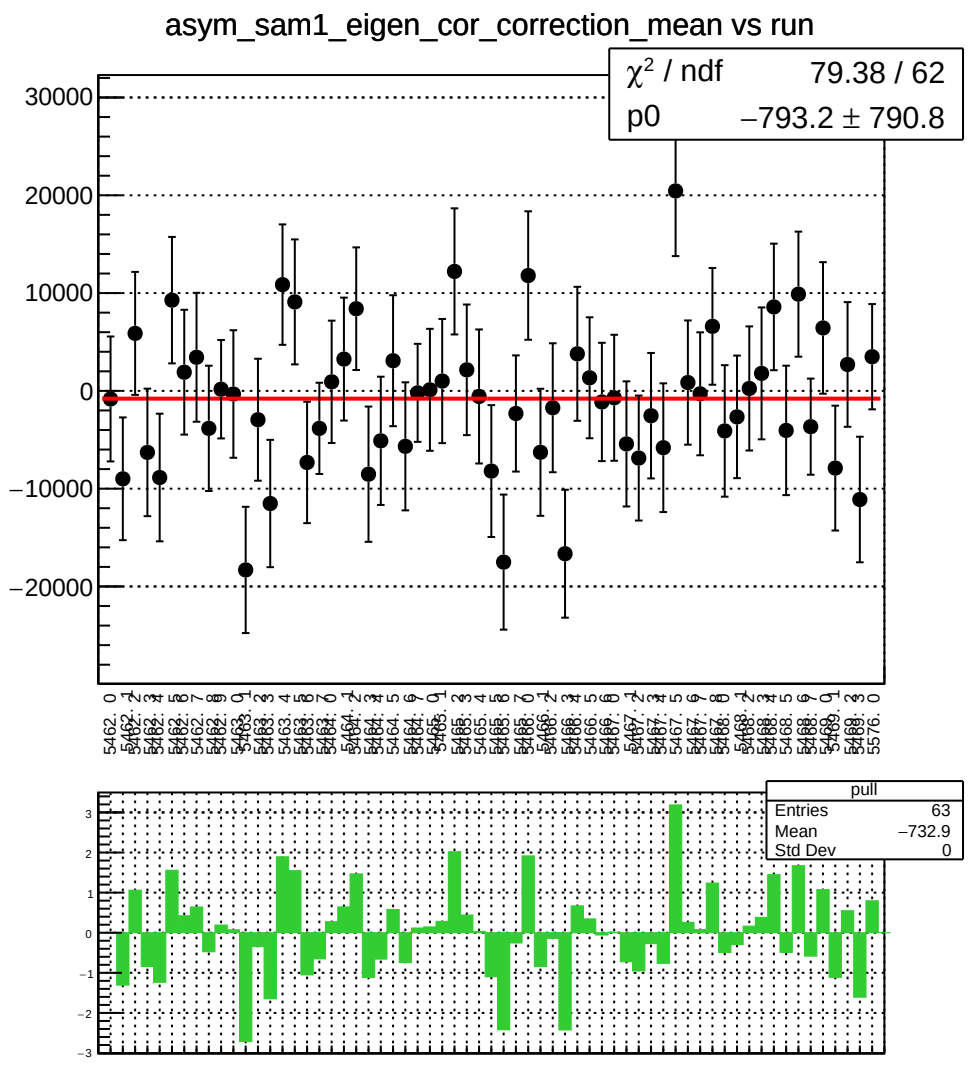

pull1D
Entries 63
Mean −0.002318
Std Dev 1.122

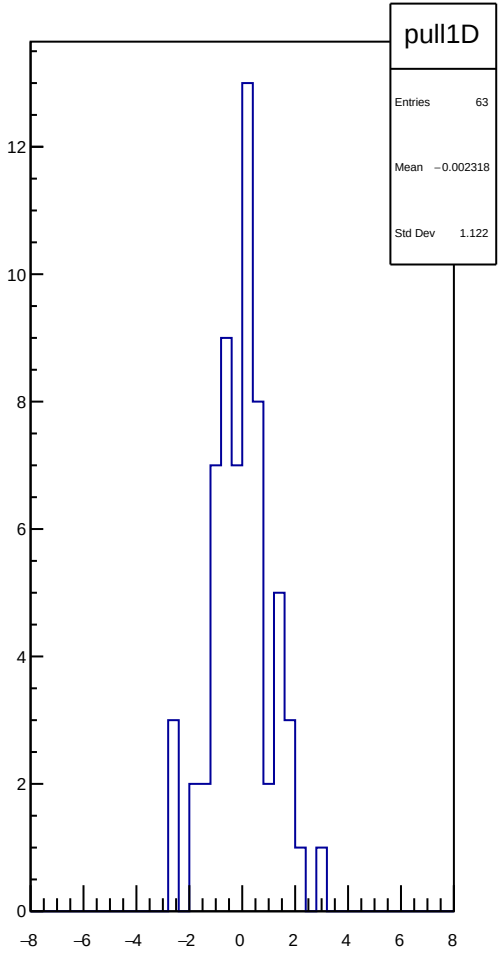

asym_sam1_cor_correction_rms vs run
χ² / ndf 1203 / 62
p0 615 ± 0.5592
700
680
660
640
620
600
580

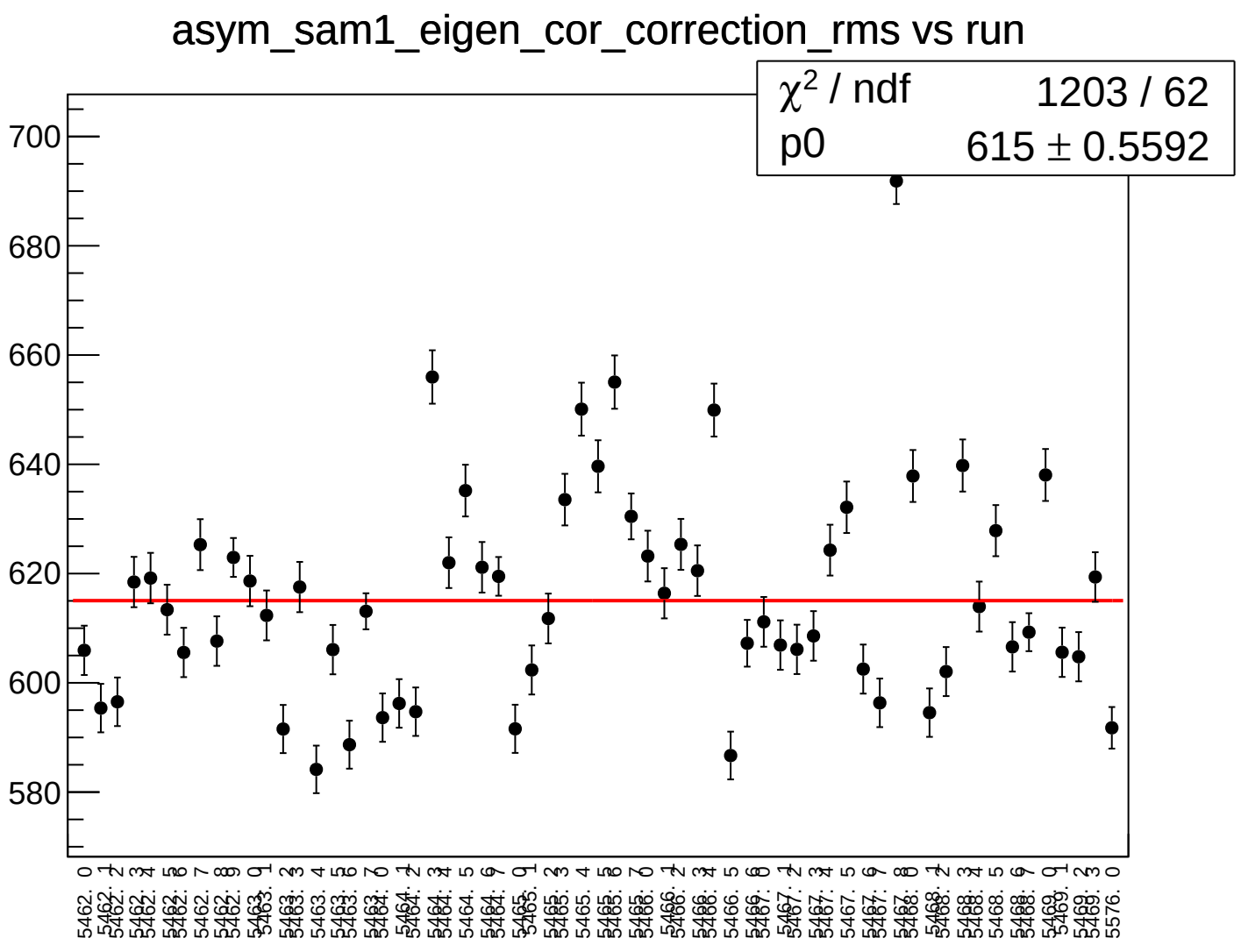

eigen_cor_asym_sam1_mean vs run
χ² / ndf 56.74 / 62
p0 162.6 ± 149.9
pull
Entries 63
Mean −126
Std Dev 0

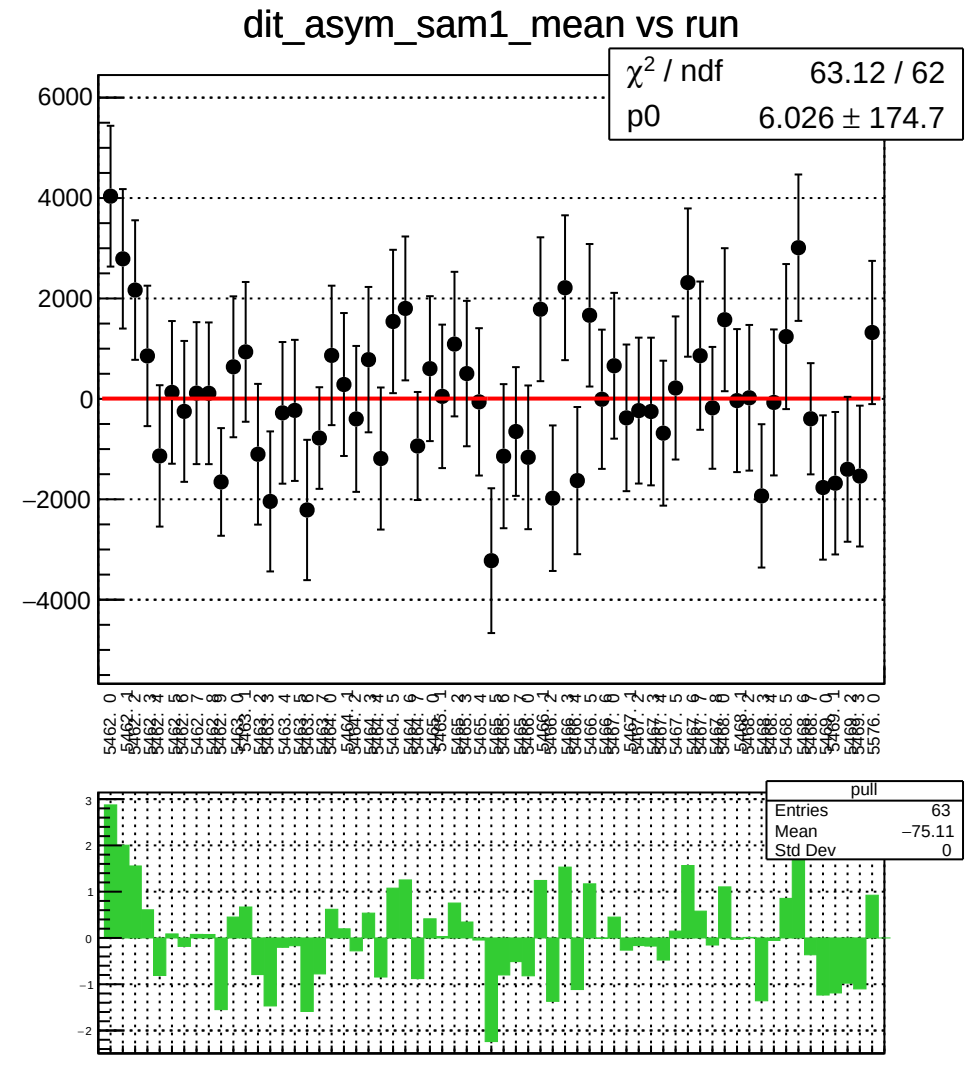

pull1D
Entries 63
Mean 0.01797
Std Dev 0.9489

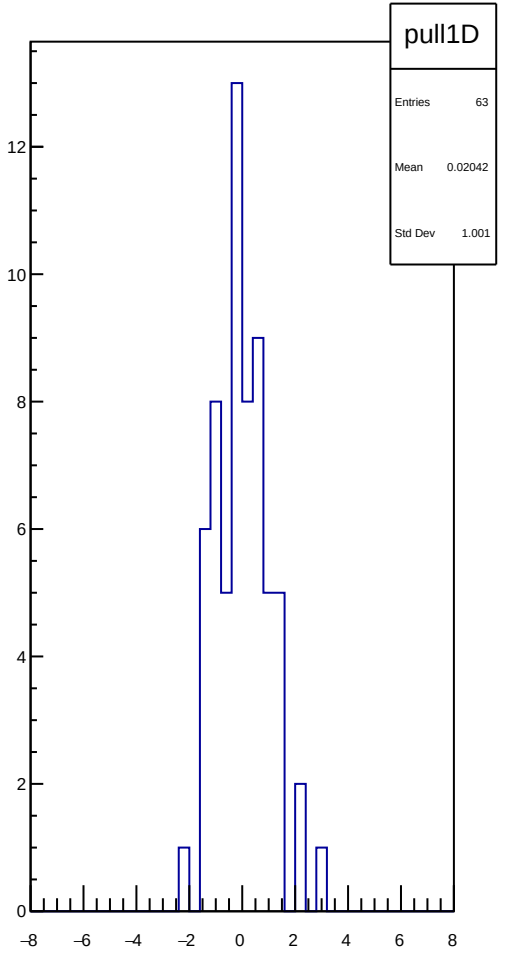

eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 533.9 / 62
p0 116.6 ± 0.106
130
125
120
115
110

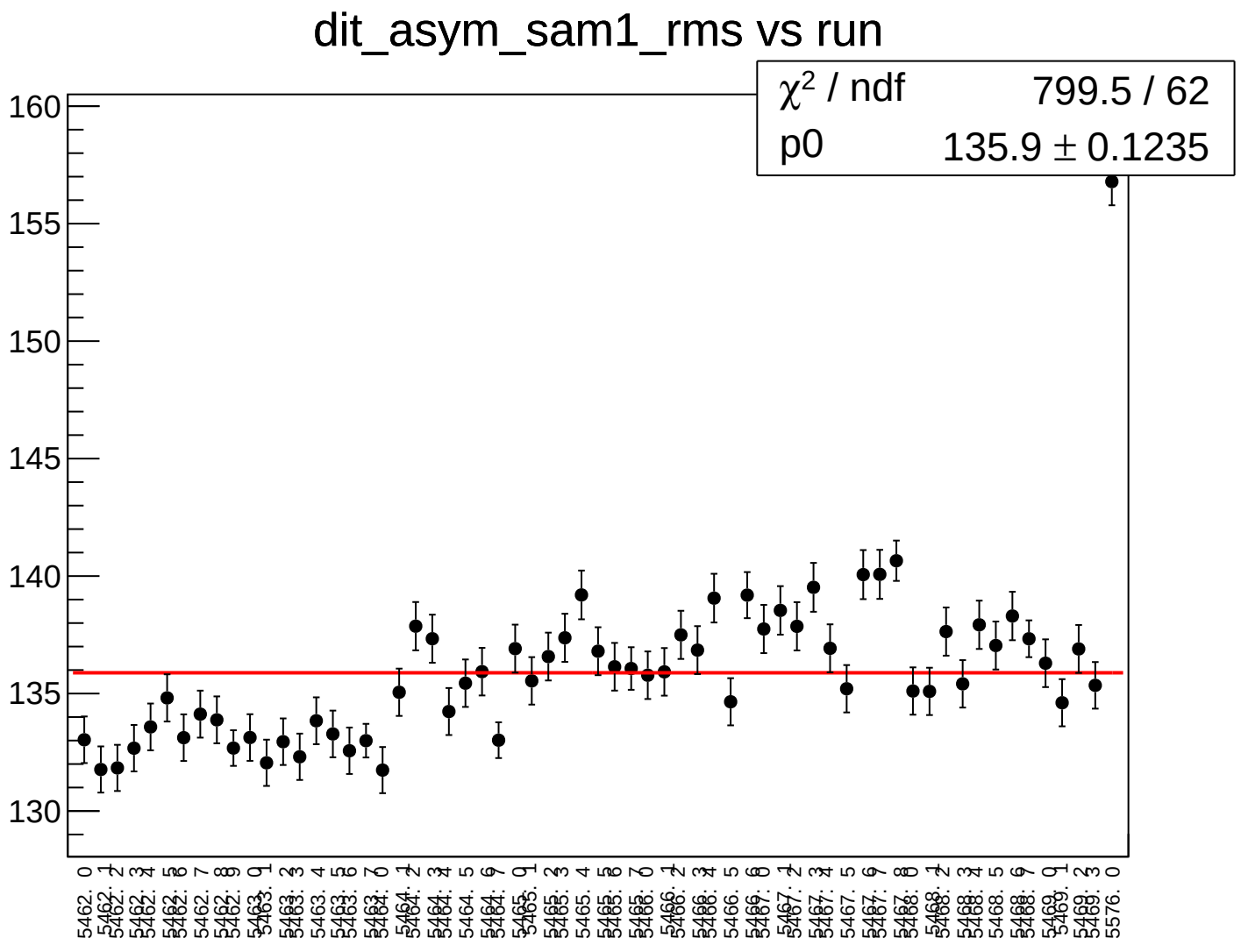

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 79.38 / 62
p0 −793.2 ± 790.8
pull
Entries 63
Mean −732.9
Std Dev 0

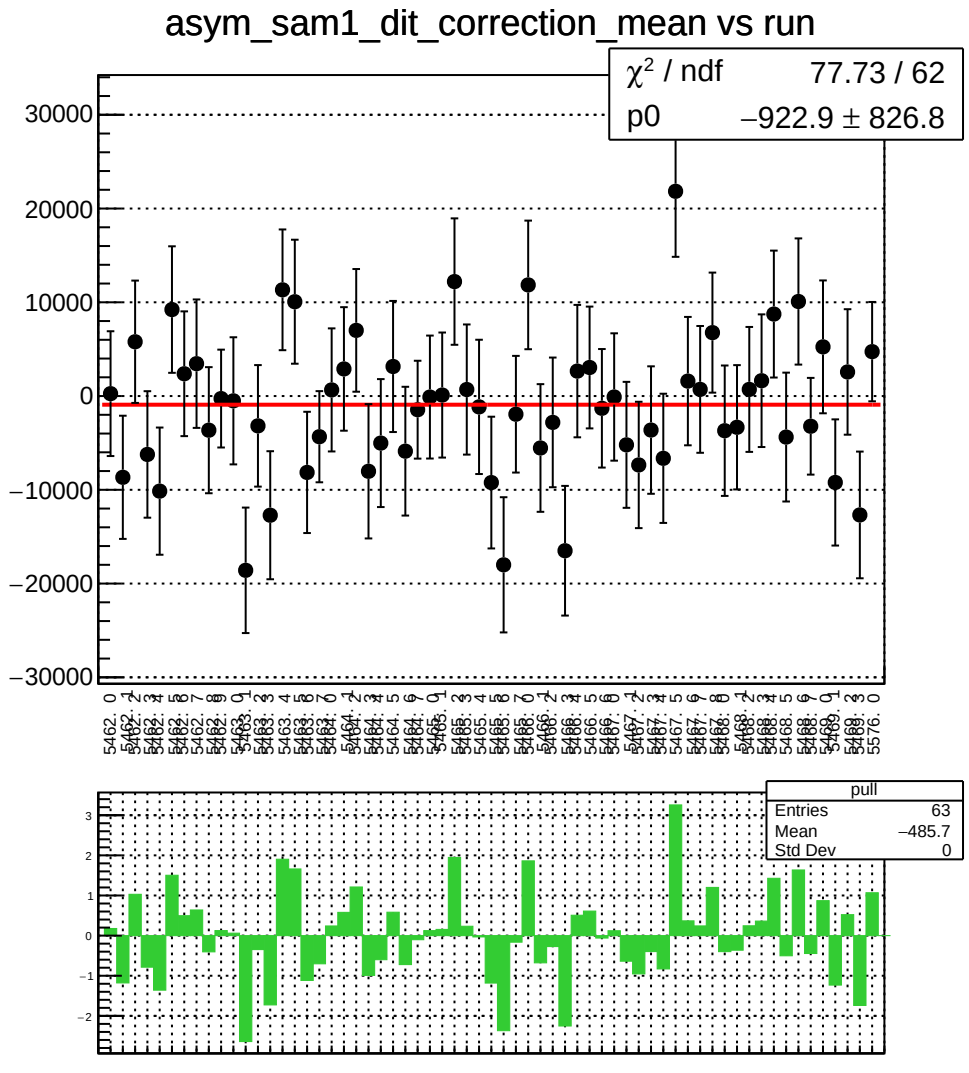

pull1D
Entries 63
Mean −0.002318
Std Dev 1.122

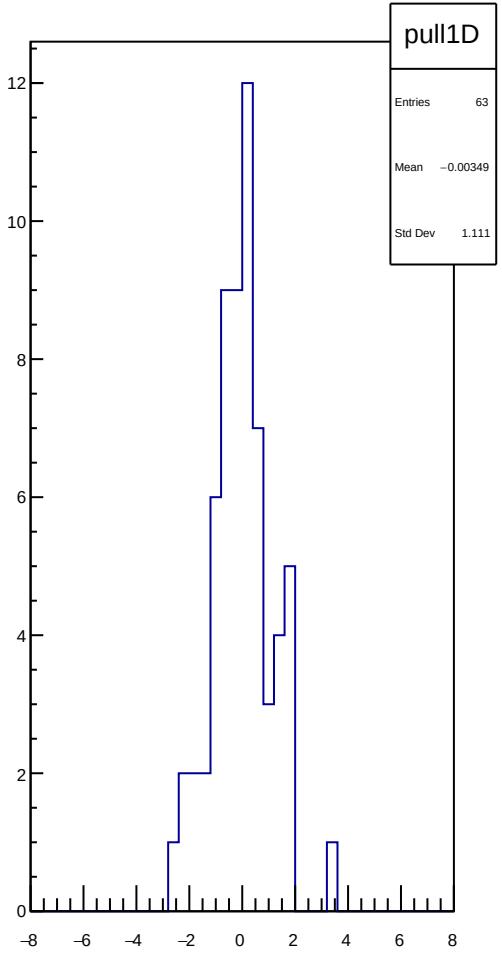

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 1203 / 62
p0 615 ± 0.5592
700
680
660
640
620
600
580

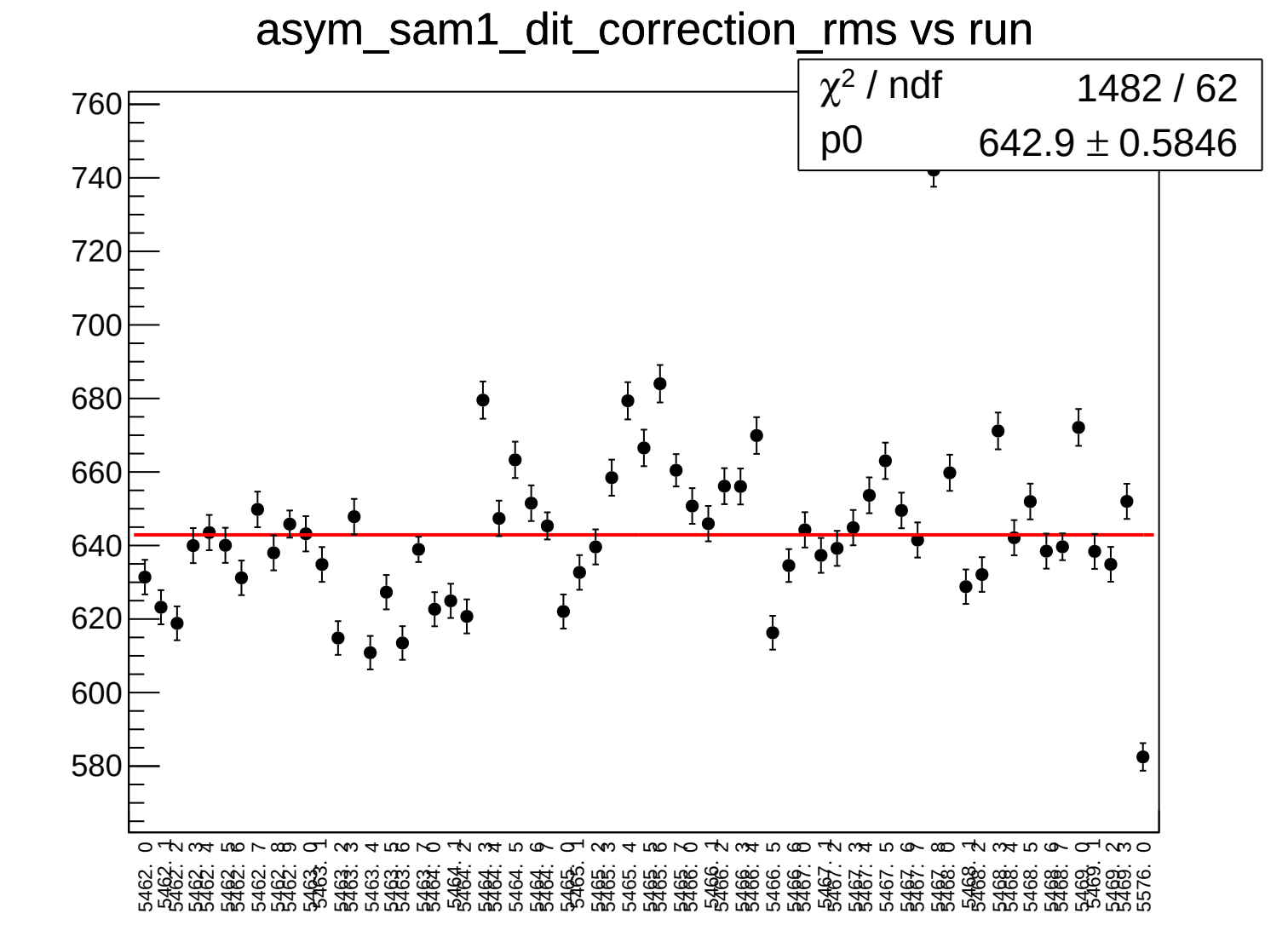

dit_asym_sam1_mean vs run
χ^2 / ndf 63.12 / 62
p0 6.026 ± 174.7
6000
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −75.11
Std Dev 0
3
2
1
0
−1
−2

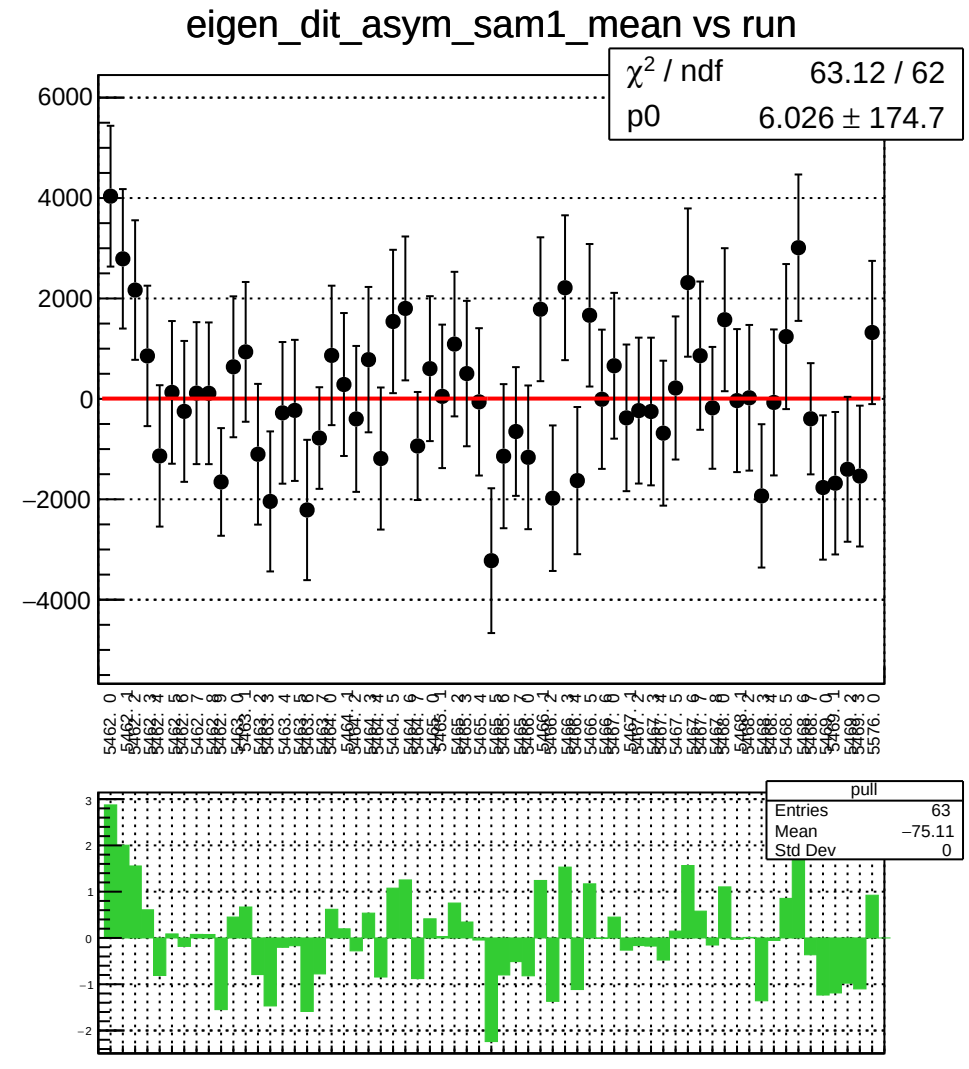

pull1D
Entries 63
Mean 0.02042
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

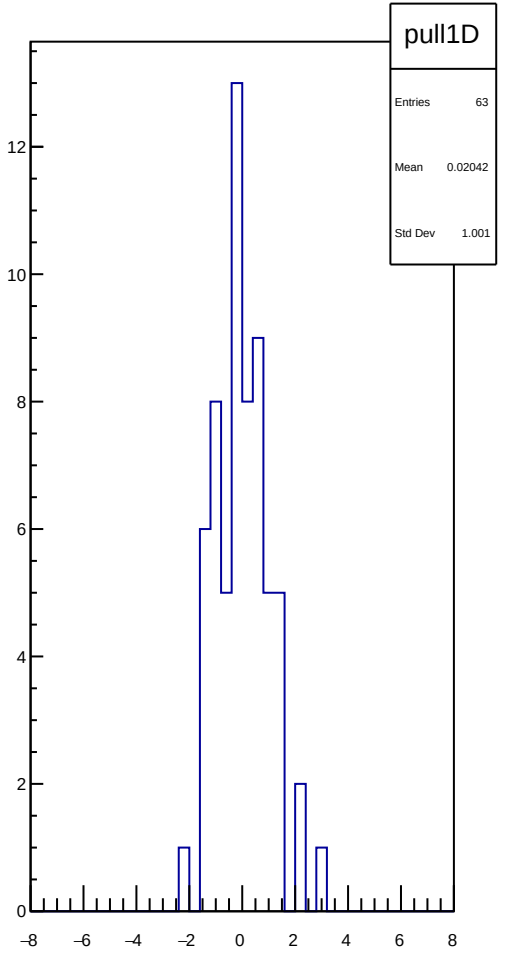

dit_asym_sam1_rms vs run
χ² / ndf 799.5 / 62
p0 135.9 ± 0.1235
160
155
150
145
140
135
130

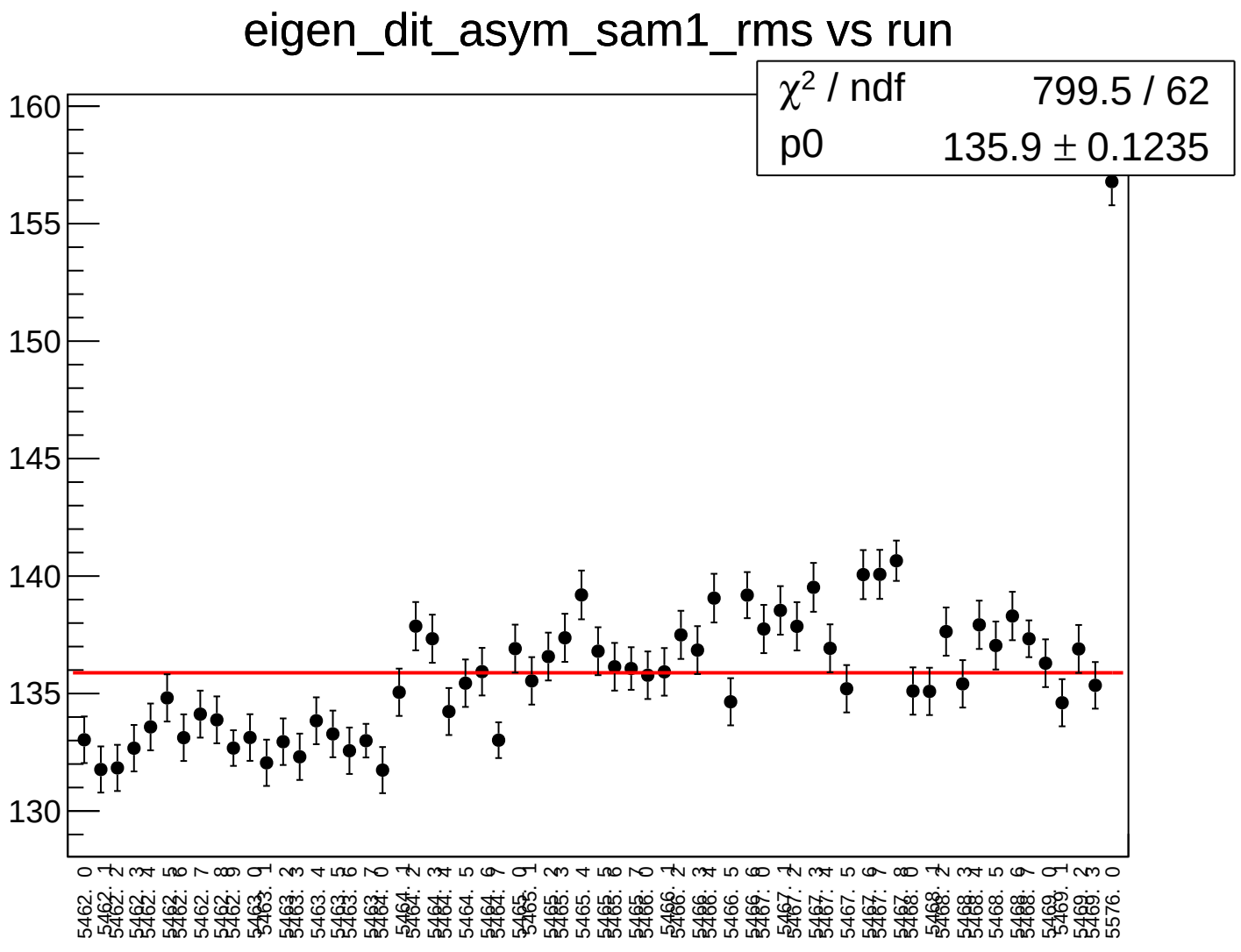

asym_sam1_dit_correction_mean vs run
χ² / ndf 77.73 / 62
p0 −922.9 ± 826.8
pull
Entries 63
Mean −485.7
Std Dev 0

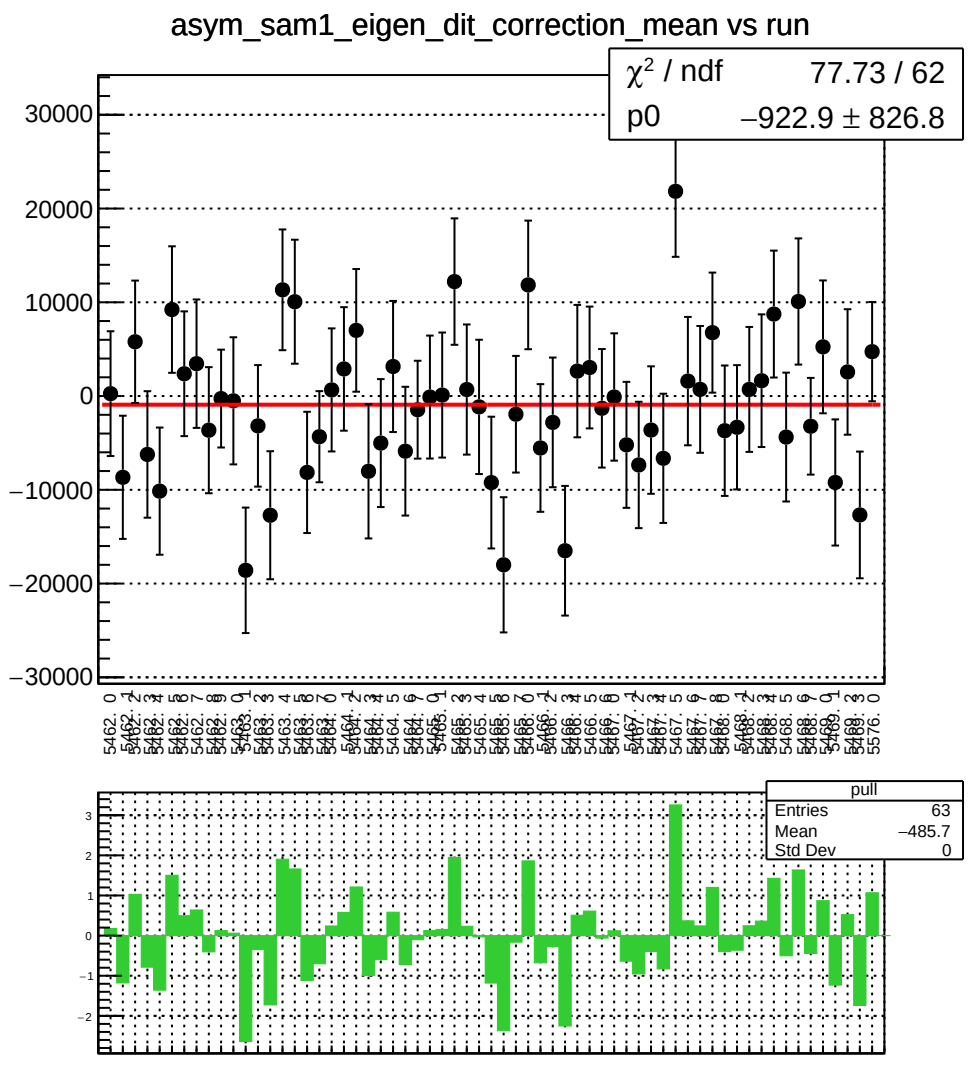

pull1D
Entries 63
Mean −0.00349
Std Dev 1.111

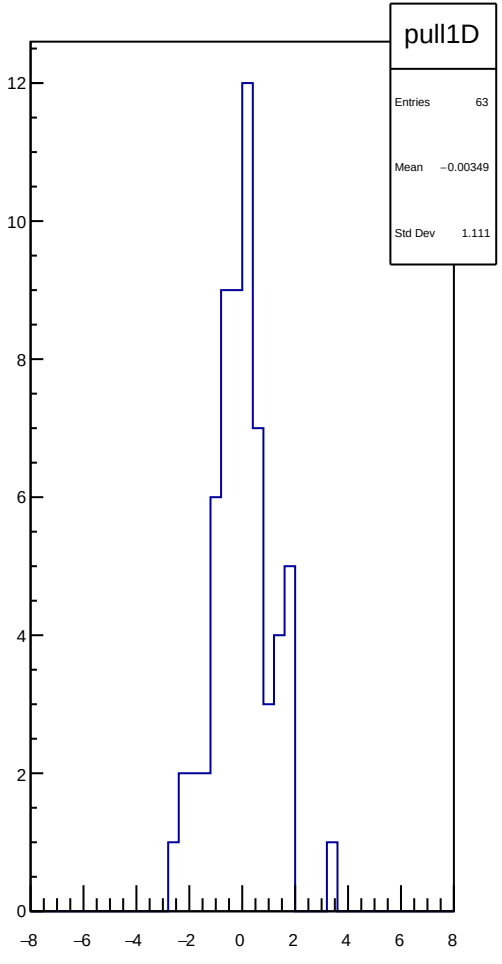

asym_sam1_dit_correction_rms vs run
χ² / ndf 1482 / 62
p0 642.9 ± 0.5846
760
740
720
700
680
660
640
620
600
580

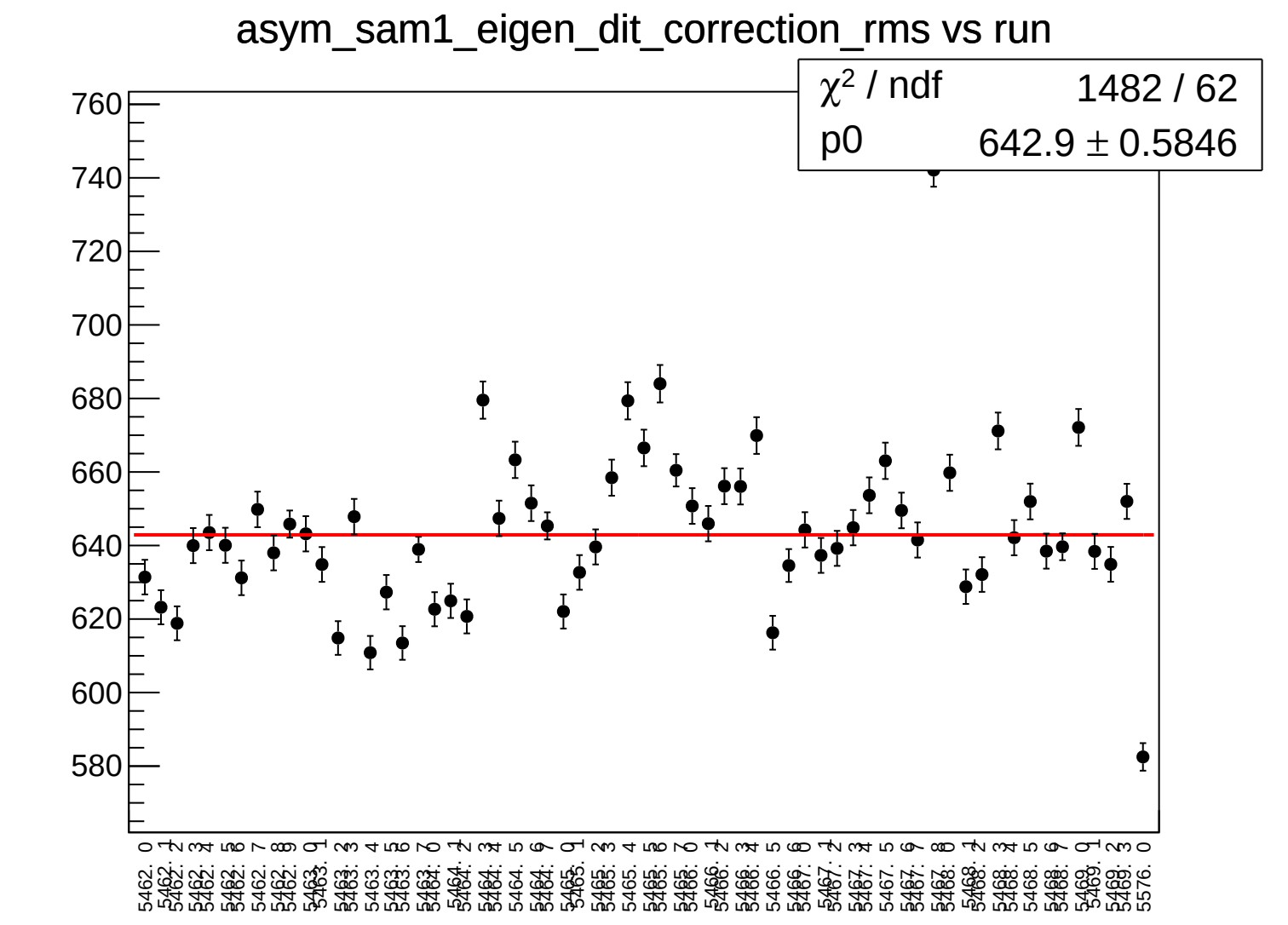

eigen_dit_asym_sam1_mean vs run
χ² / ndf 63.12 / 62
p0 6.026 ± 174.7
pull
Entries 63
Mean −75.11
Std Dev 0

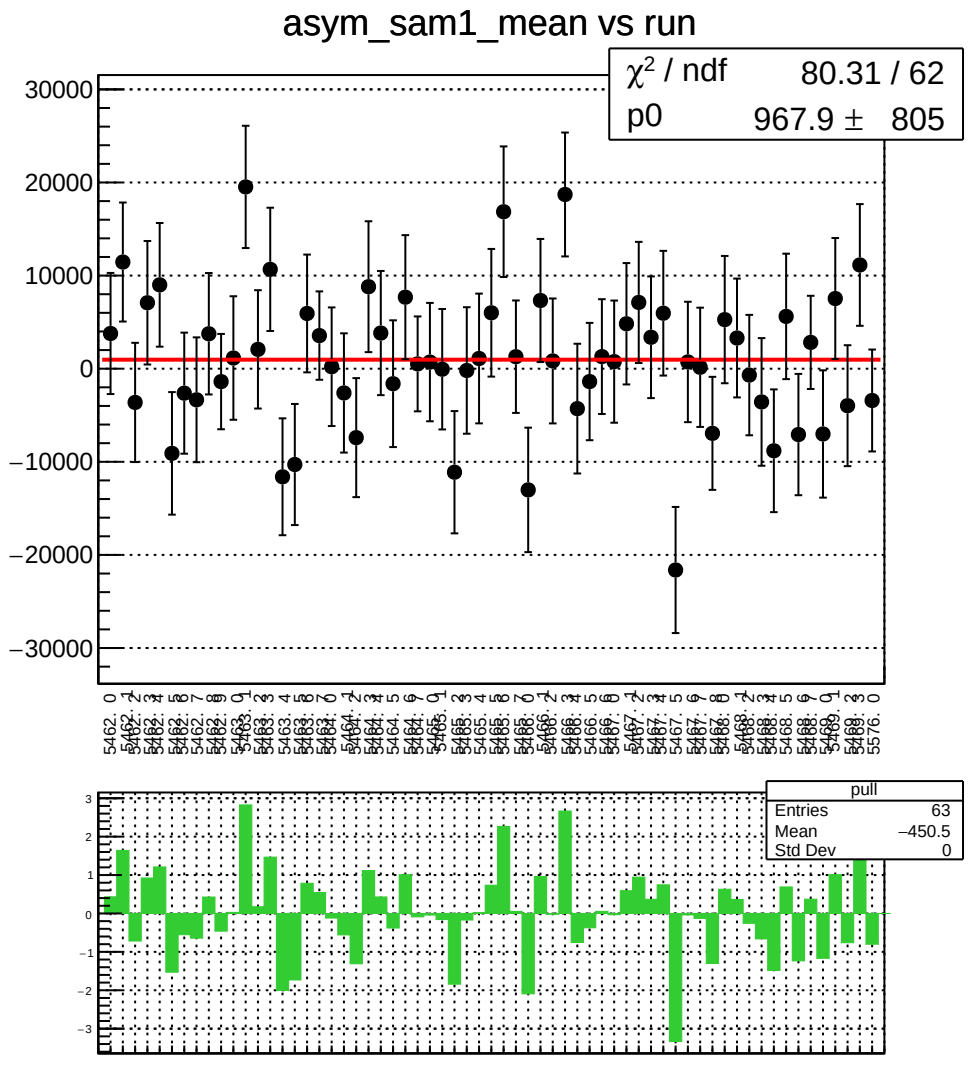

pull1D
Entries 63
Mean 0.02042
Std Dev 1.001

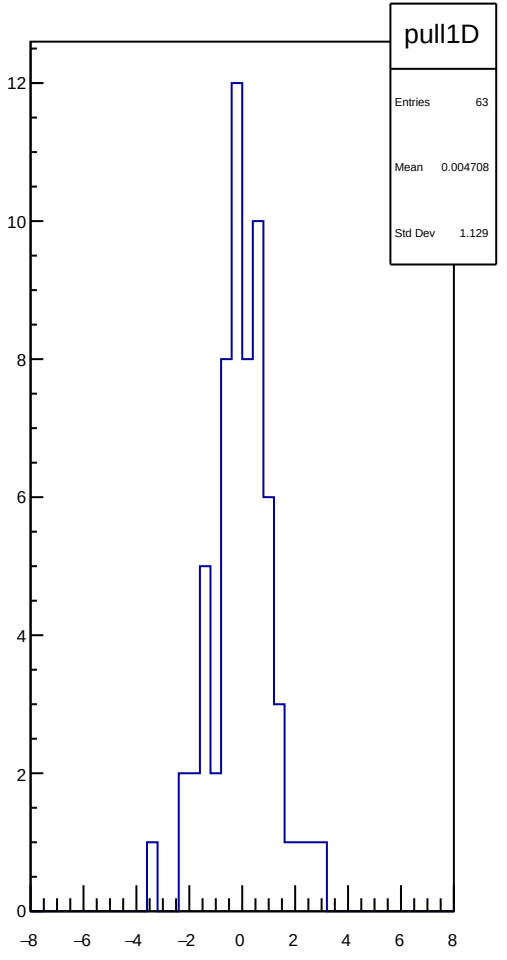

eigen_dit_asym_sam1_rms vs run
χ² / ndf 799.5 / 62
p0 135.9 ± 0.1235
160
155
150
145
140
135
130

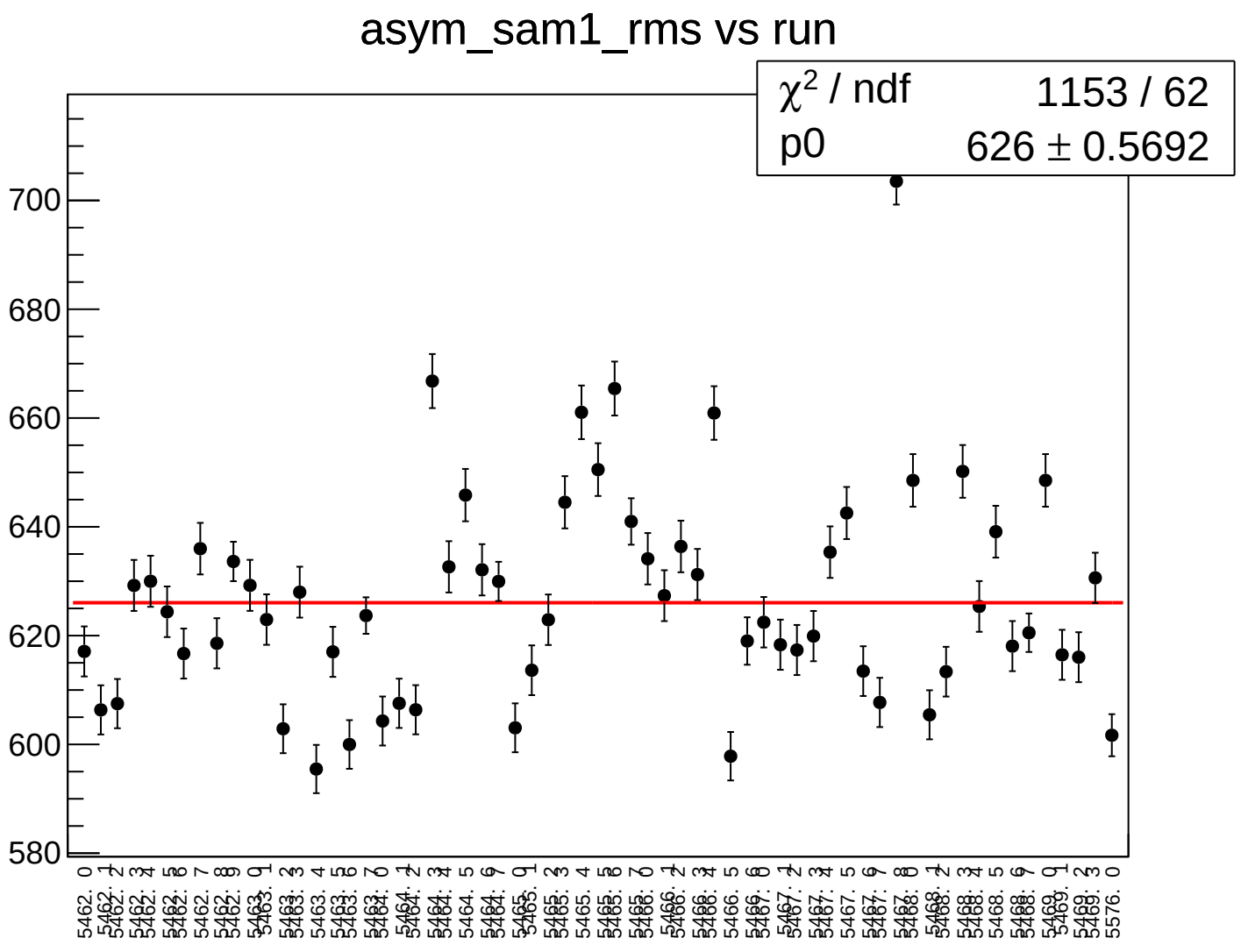

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 77.73 / 62
p0 −922.9 ± 826.8
pull
Entries 63
Mean −485.7
Std Dev 0

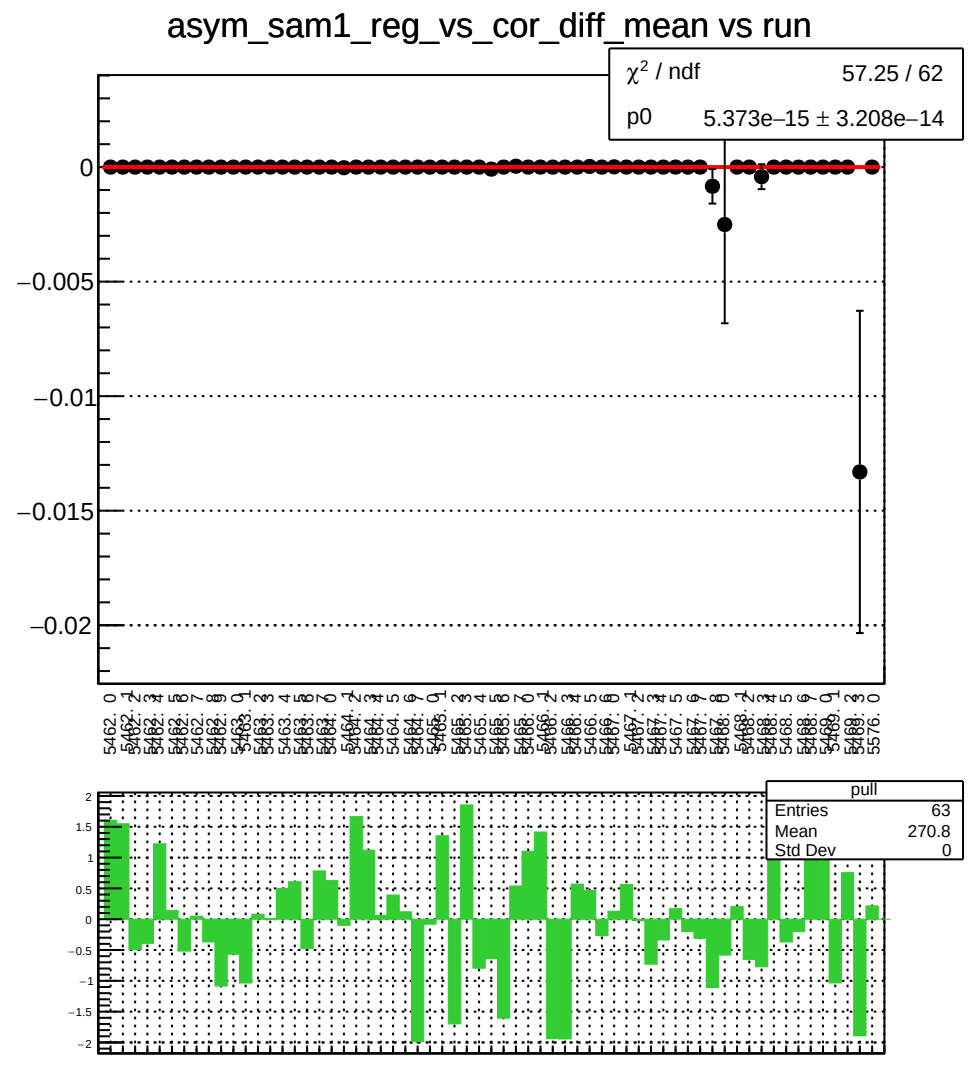

pull1D
Entries 63
Mean −0.00349
Std Dev 1.111

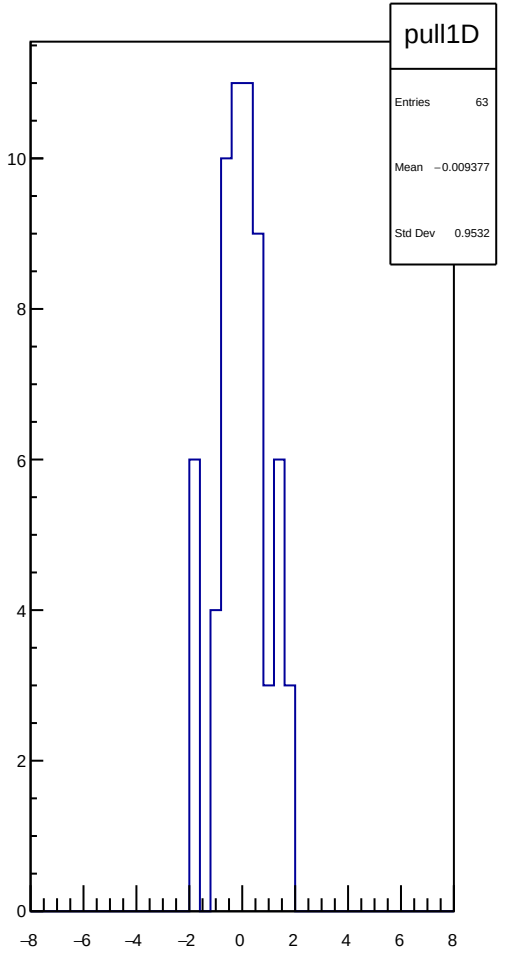

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1482 / 62
p0 642.9 ± 0.5846
760
740
720
700
680
660
640
620
600
580

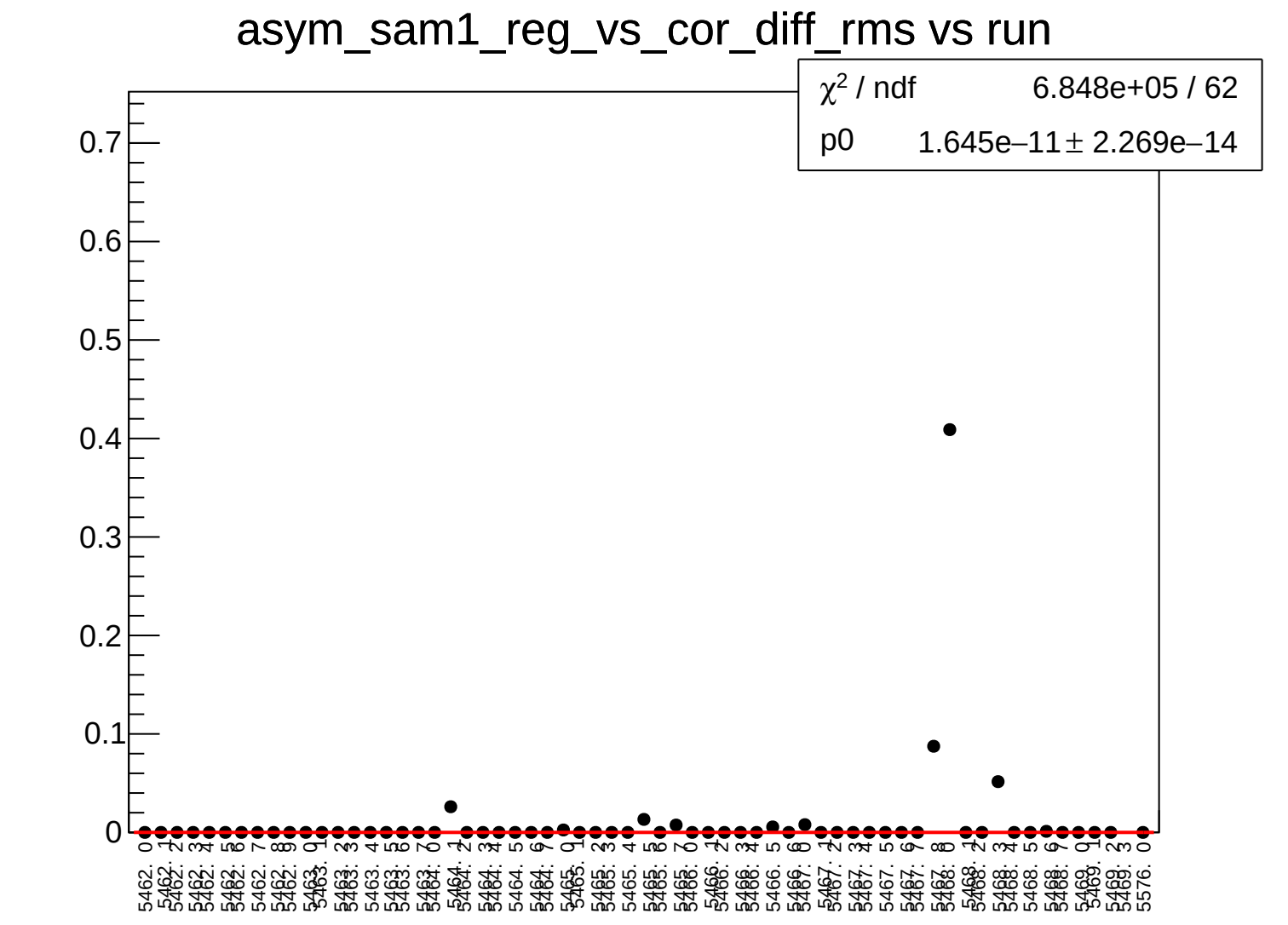

asym_sam1_mean vs run
χ² / ndf 80.31 / 62
p0 967.9 ± 805
pull
Entries 63
Mean −450.5
Std Dev 0

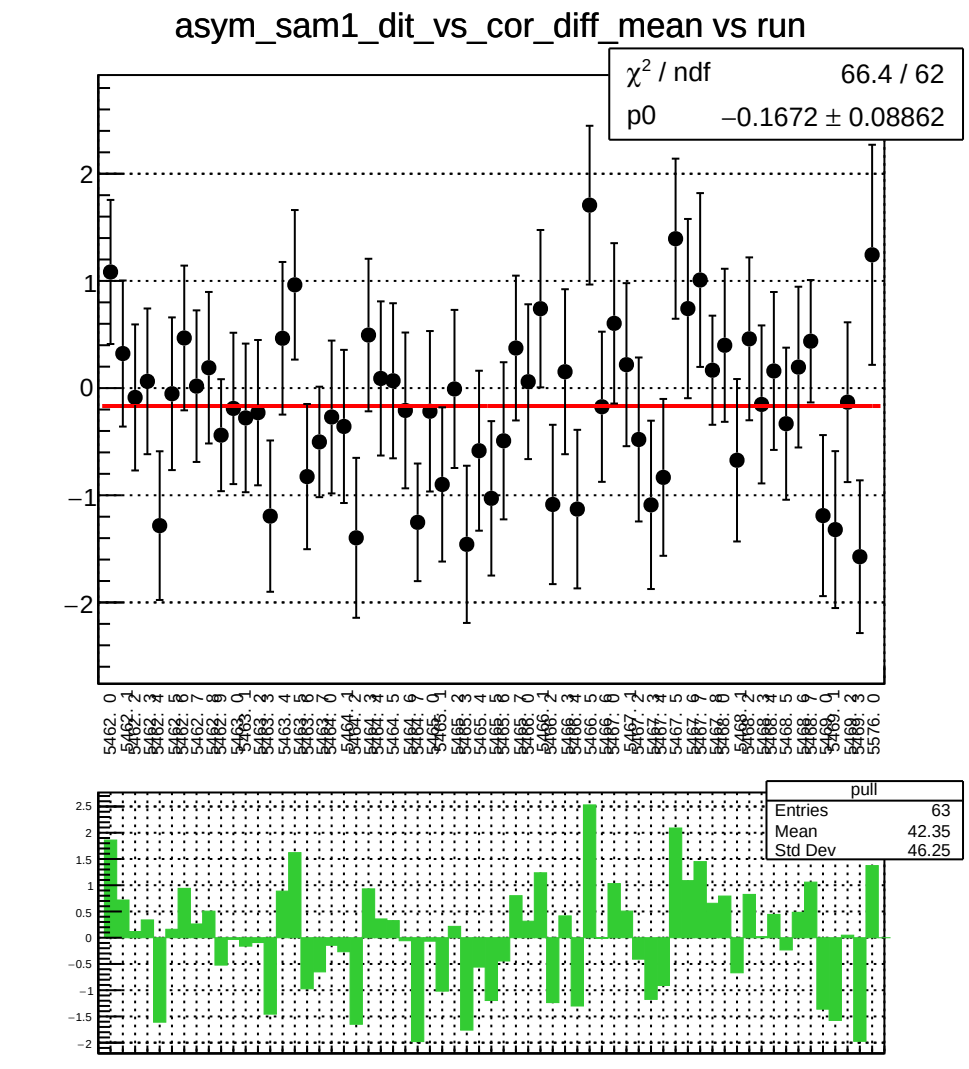

pull1D
Entries 63
Mean 0.004708
Std Dev 1.129

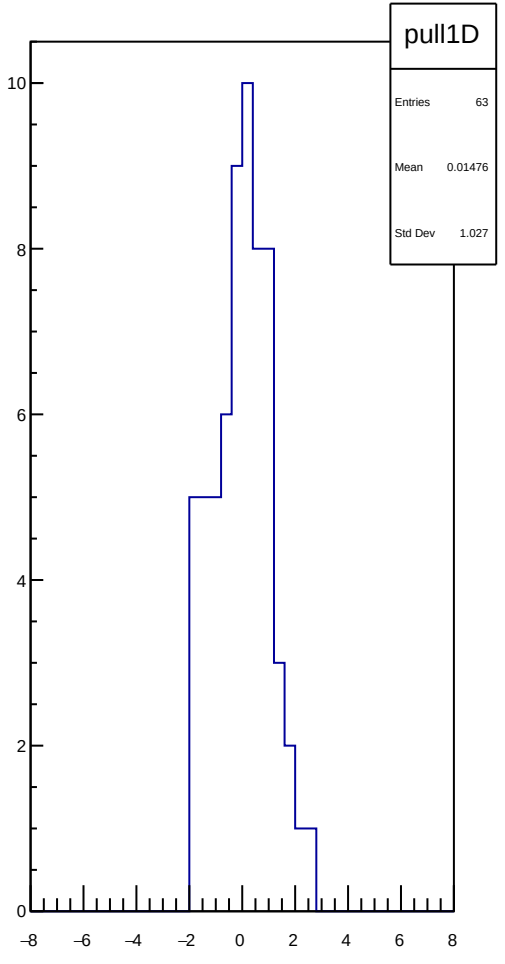

asym_sam1_rms vs run
χ^2 / ndf 1153 / 62
p0 626 ± 0.5692
700
680
660
640
620
600
580

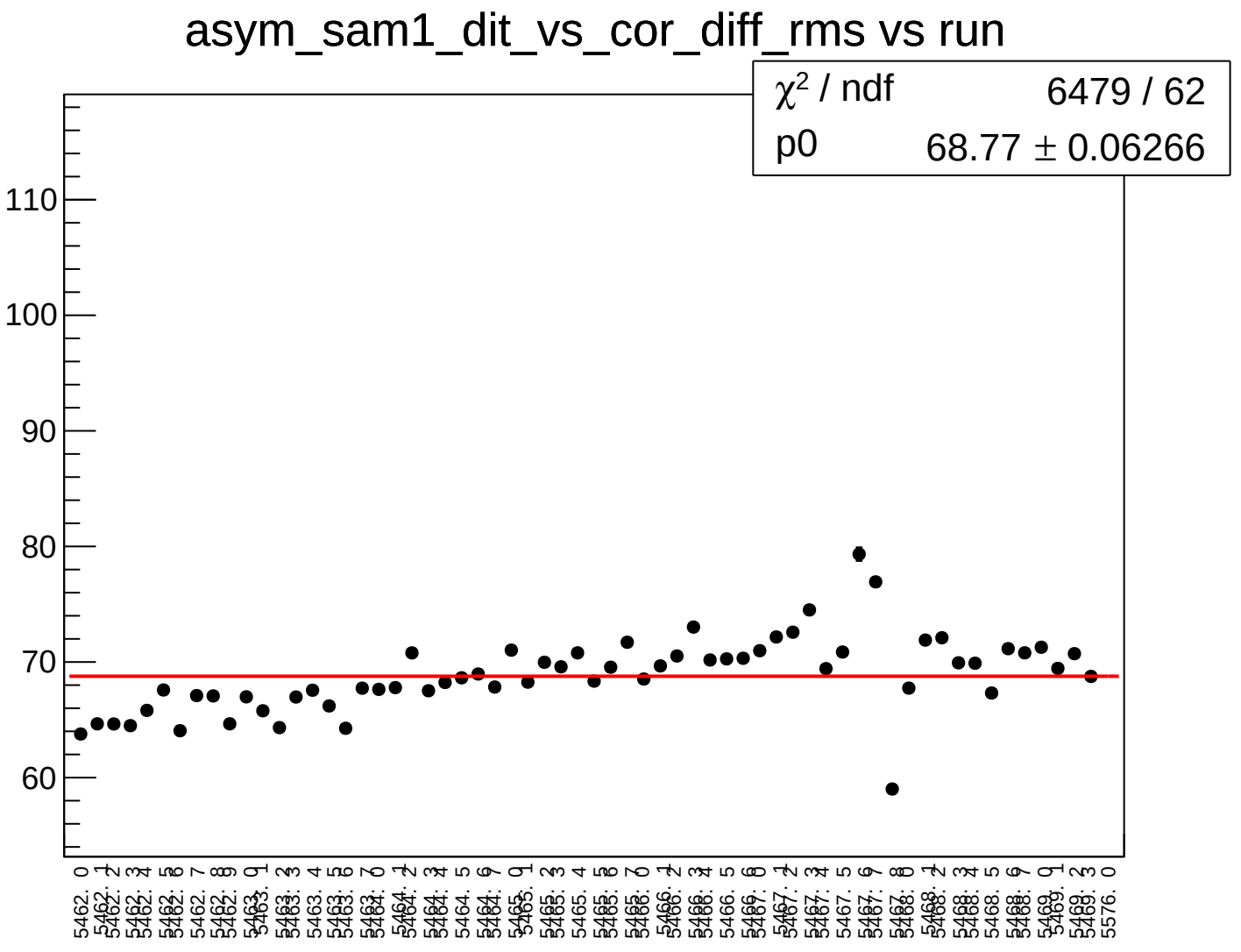

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.25 / 62
p0 5.373e−15 ± 3.208e−14
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 63
Mean 270.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

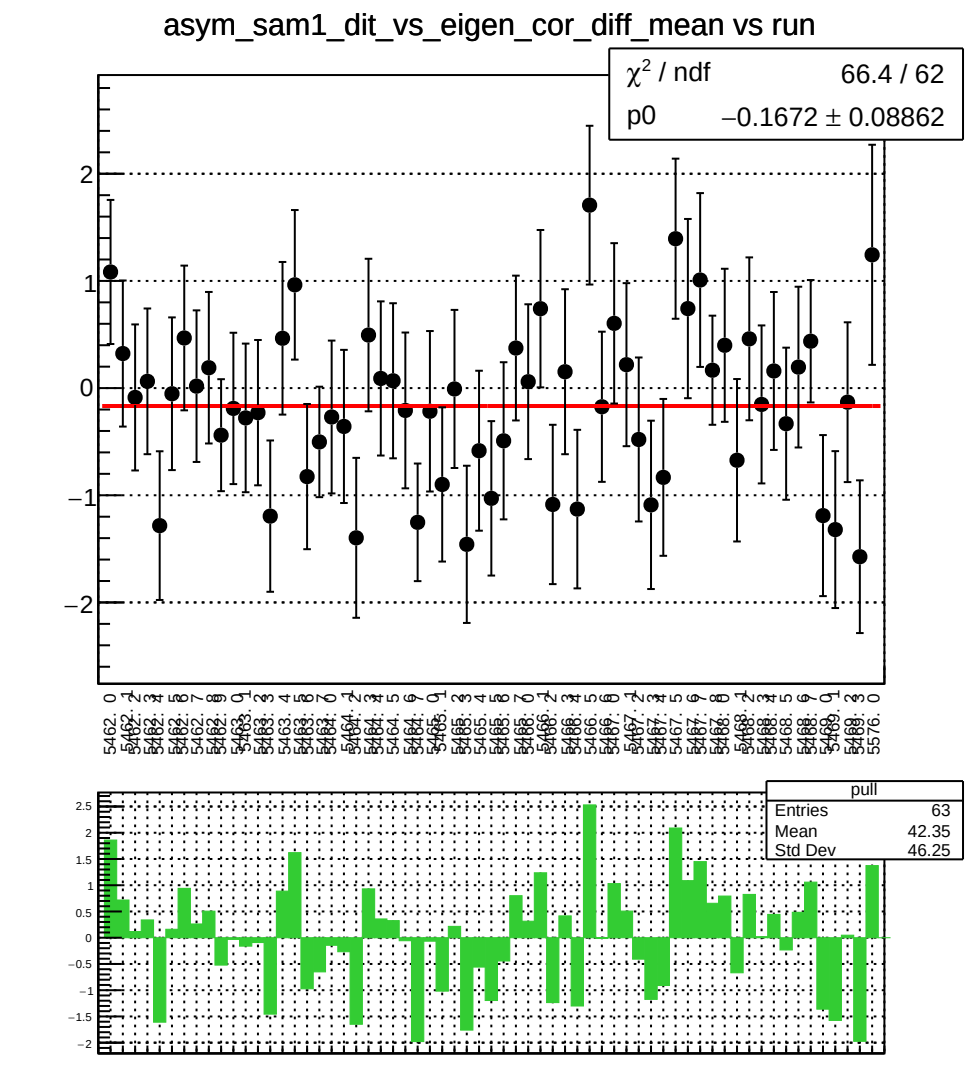

pull1D
Entries 63
Mean −0.009377
Std Dev 0.9532
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

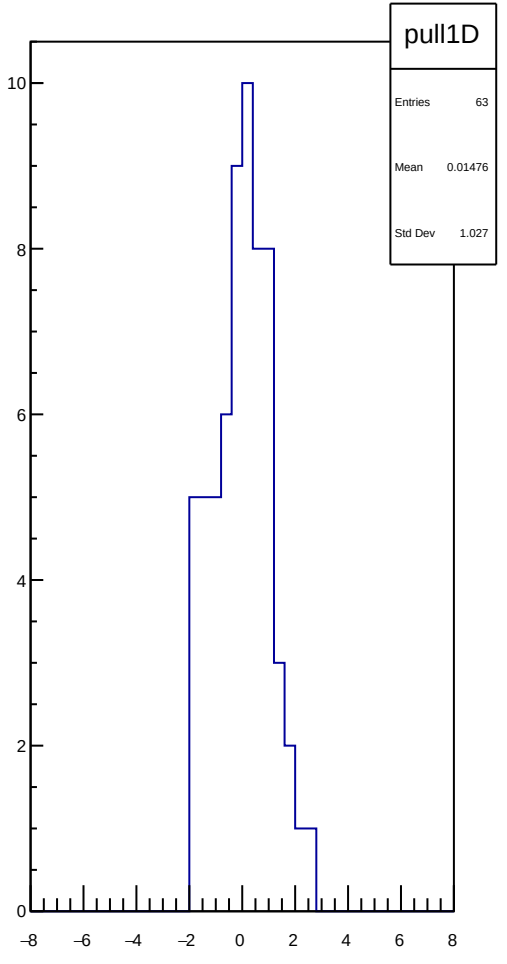

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.848e+05 / 62
p0 1.645e−11 ± 2.269e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

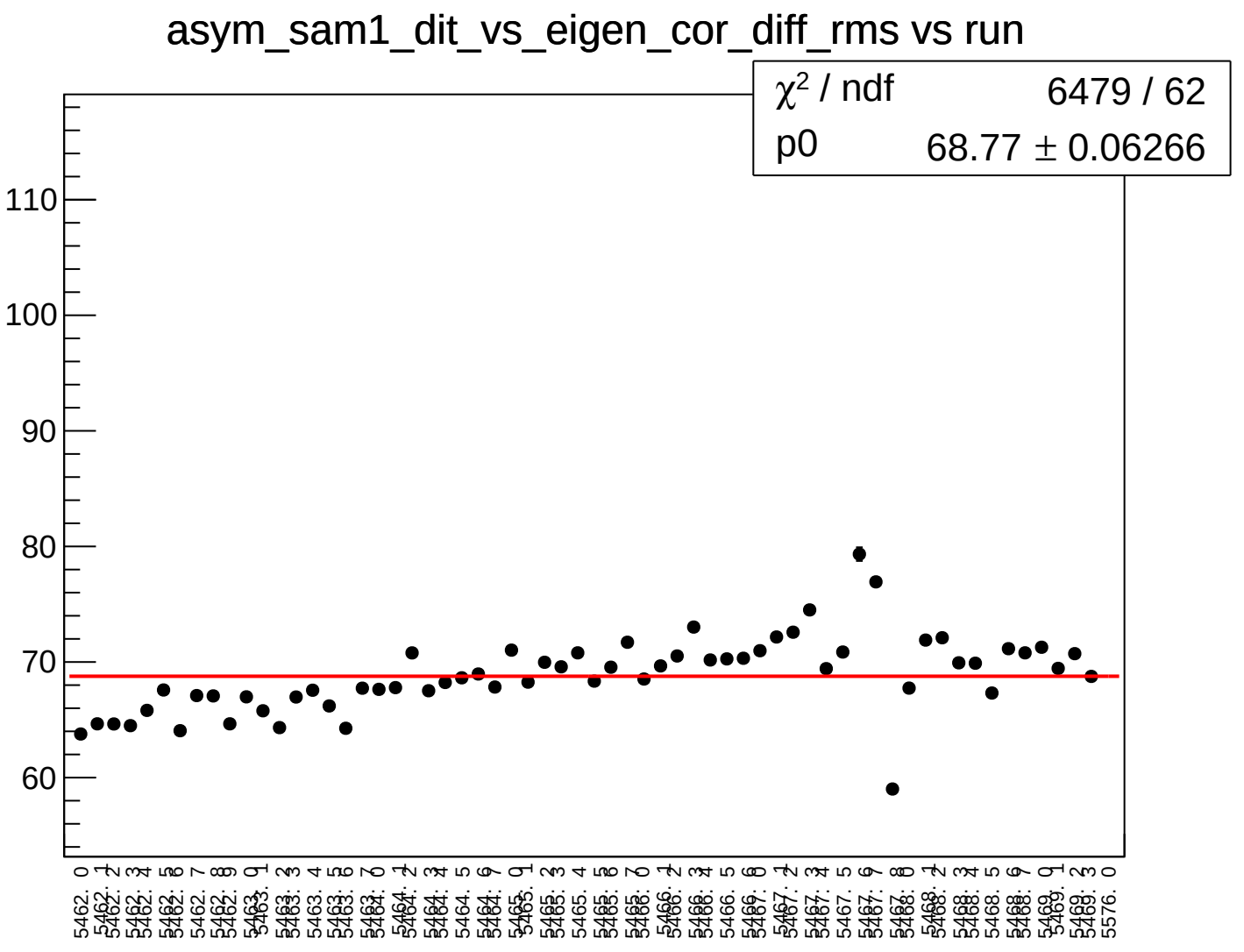

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 66.4 / 62
p0 −0.1672 ± 0.08862
pull
Entries 63
Mean 42.35
Std Dev 46.25

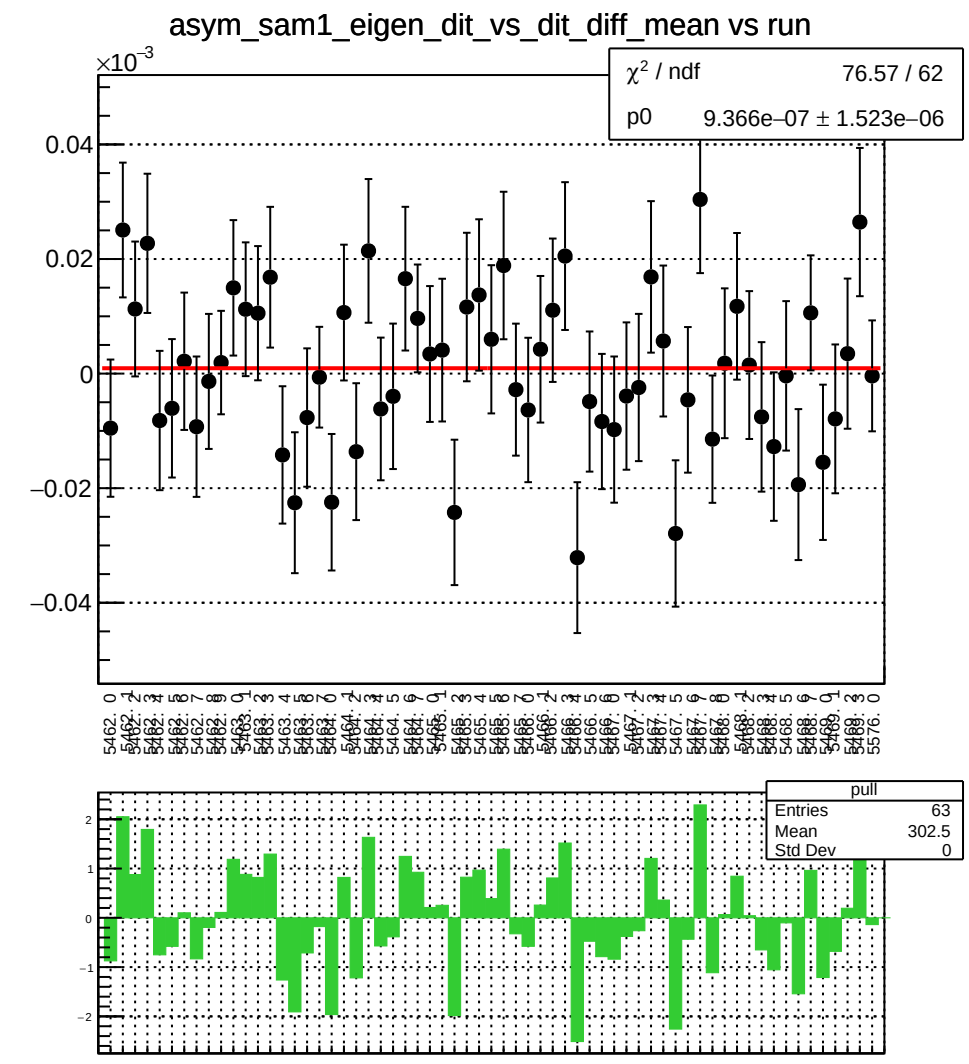

pull1D
Entries 63
Mean 0.01476
Std Dev 1.027

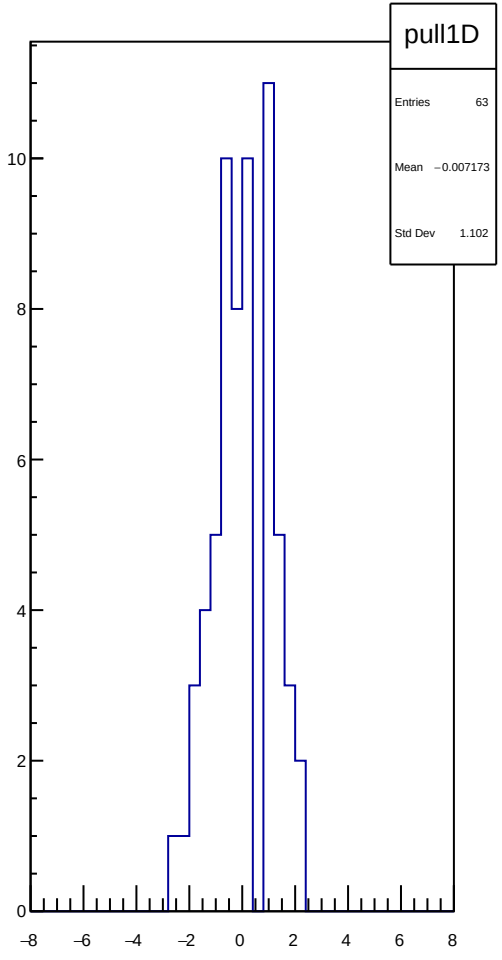

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 6479 / 62
p0 68.77 ± 0.06266
110
100
90
80
70
60

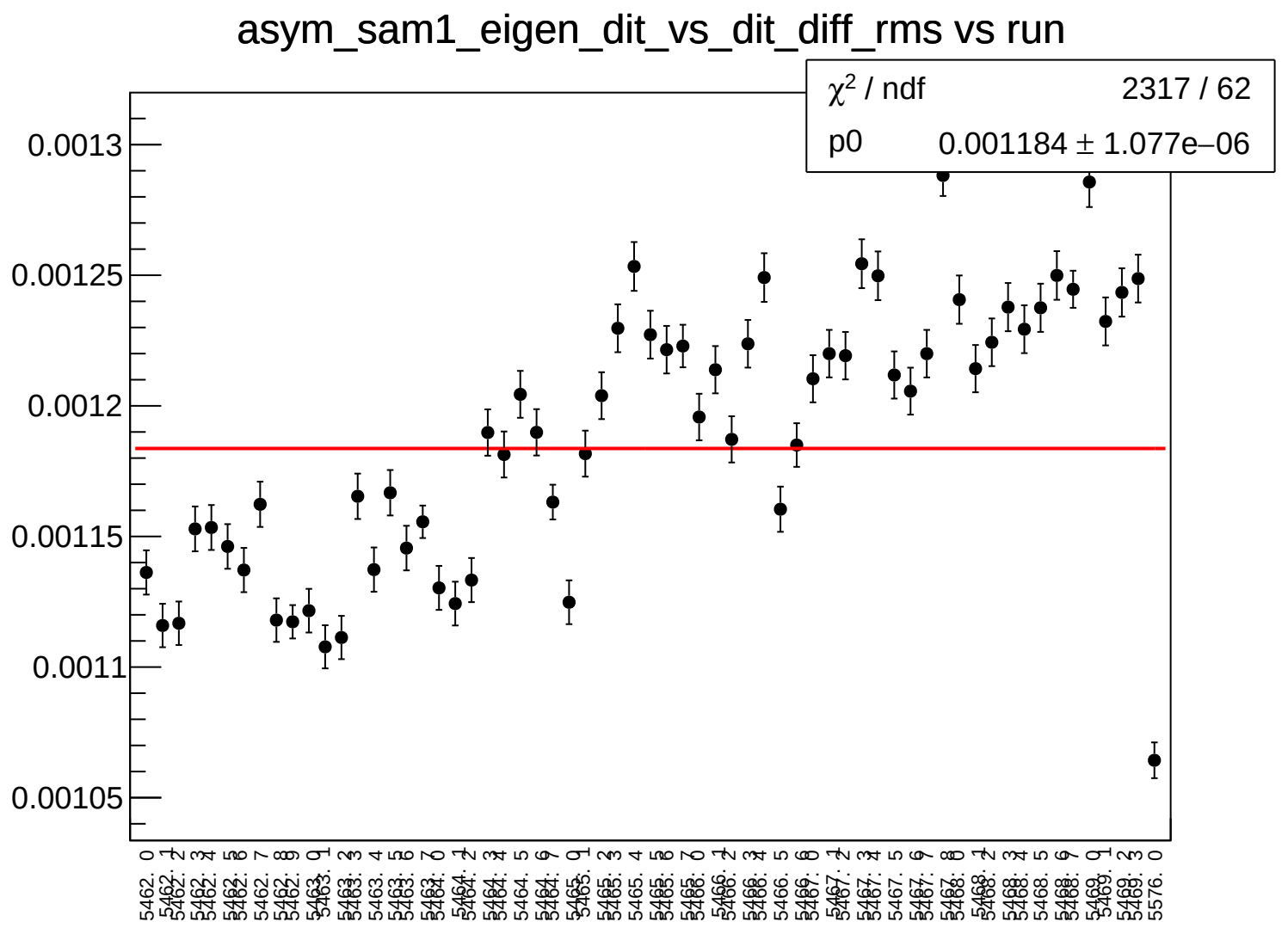

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.4 / 62
p0 −0.1672 ± 0.08862
pull
Entries 63
Mean 42.35
Std Dev 46.25

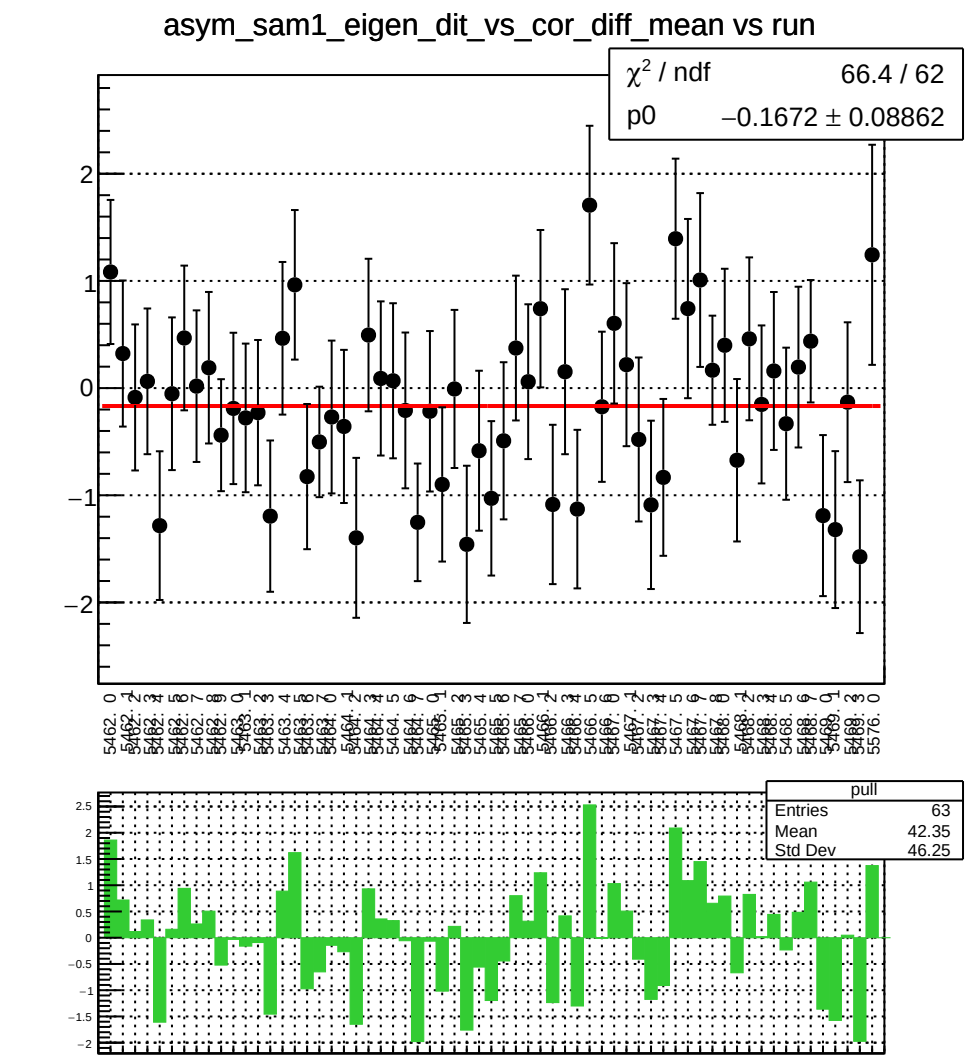

pull1D
Entries 63
Mean 0.01476
Std Dev 1.027

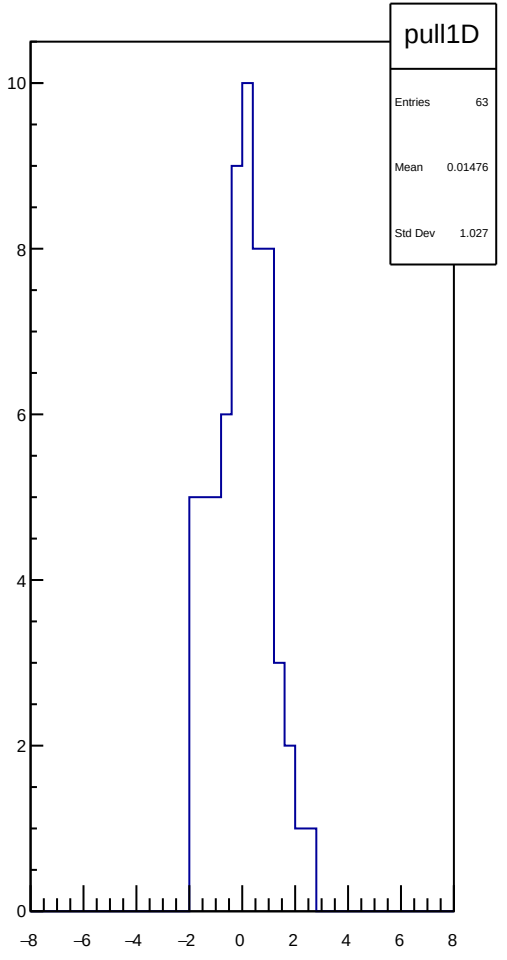

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6479 / 62
p0 68.77 ± 0.06266
110
100
90
80
70
60

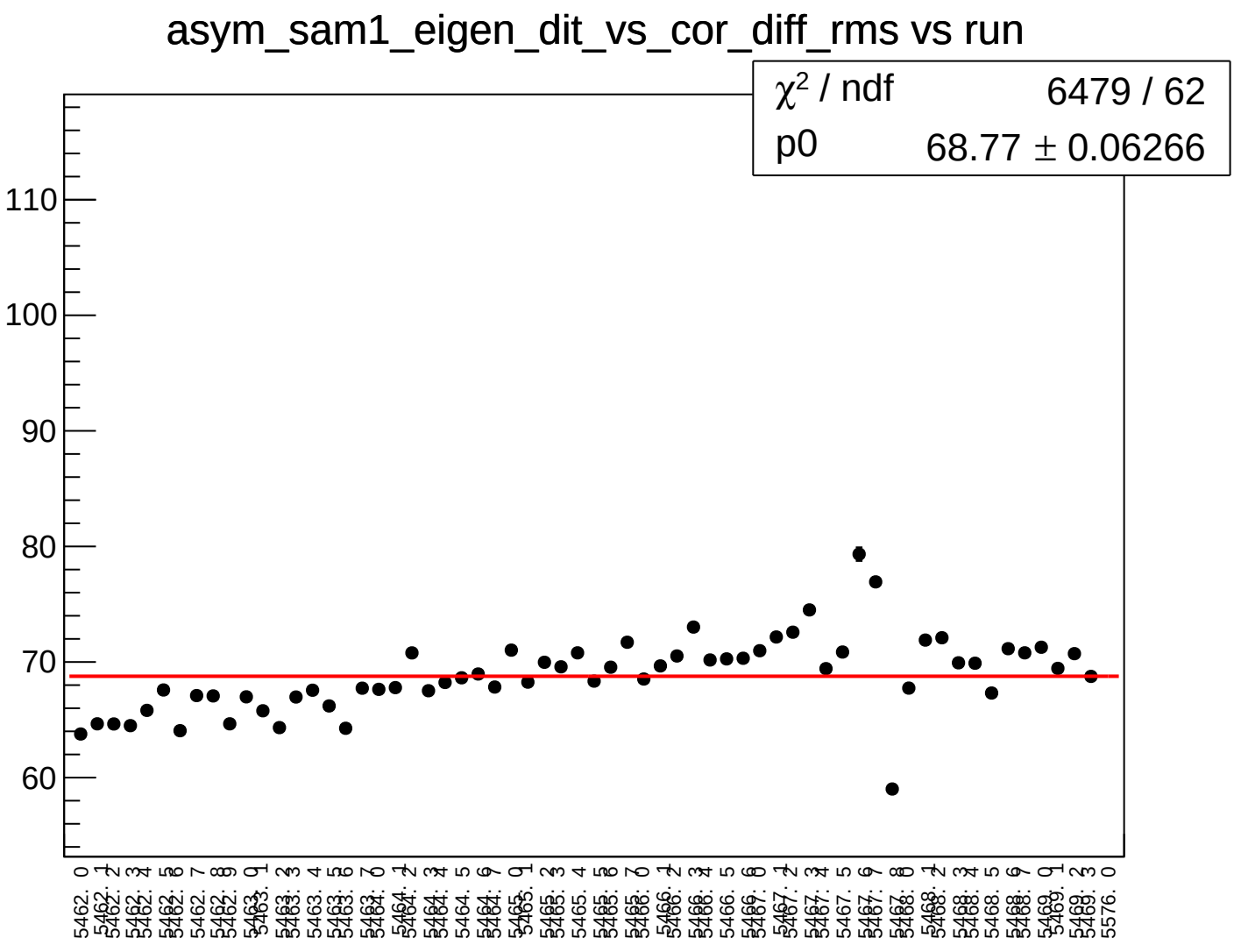

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.57 / 62
p0 9.366e−07 ± 1.523e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 63
Mean 302.5
Std Dev 0
2
1
0
−1
−2

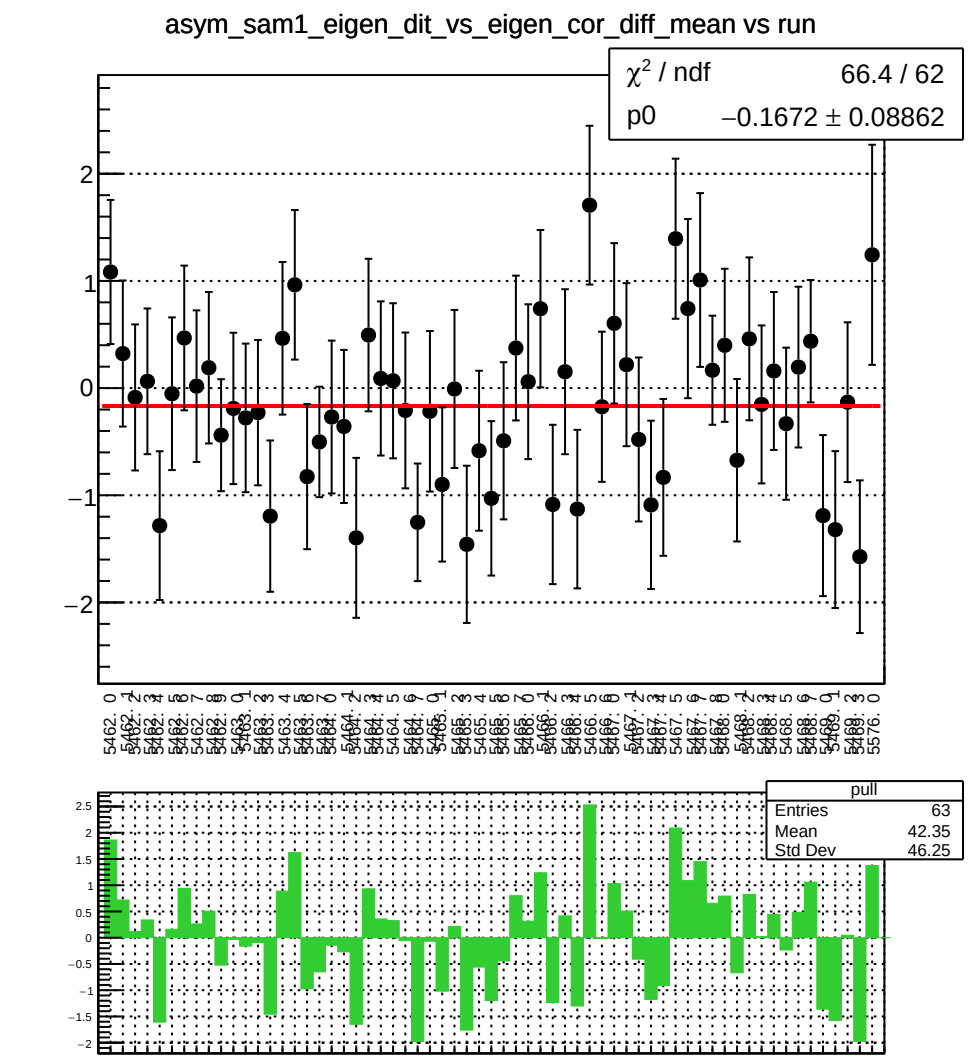

pull1D
Entries 63
Mean −0.007173
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

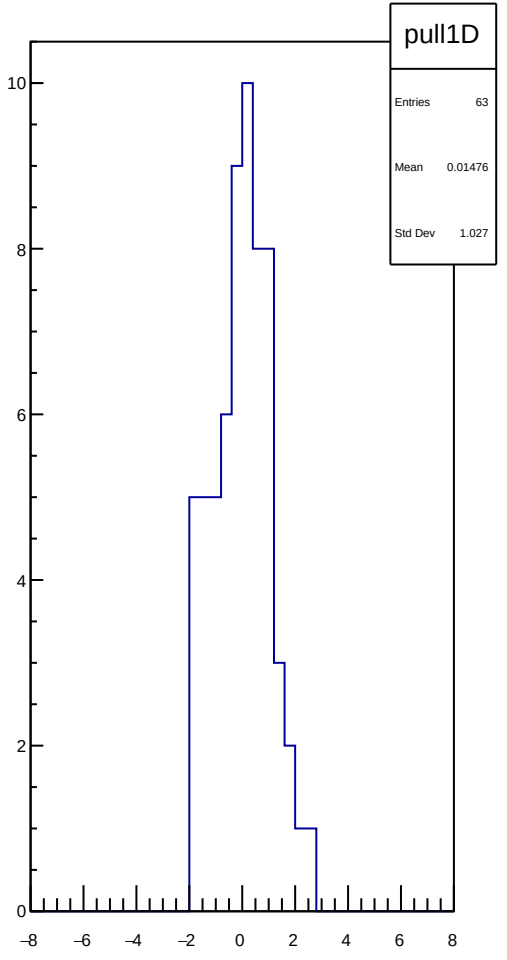

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2317 / 62
p0 0.001184 ± 1.077e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105

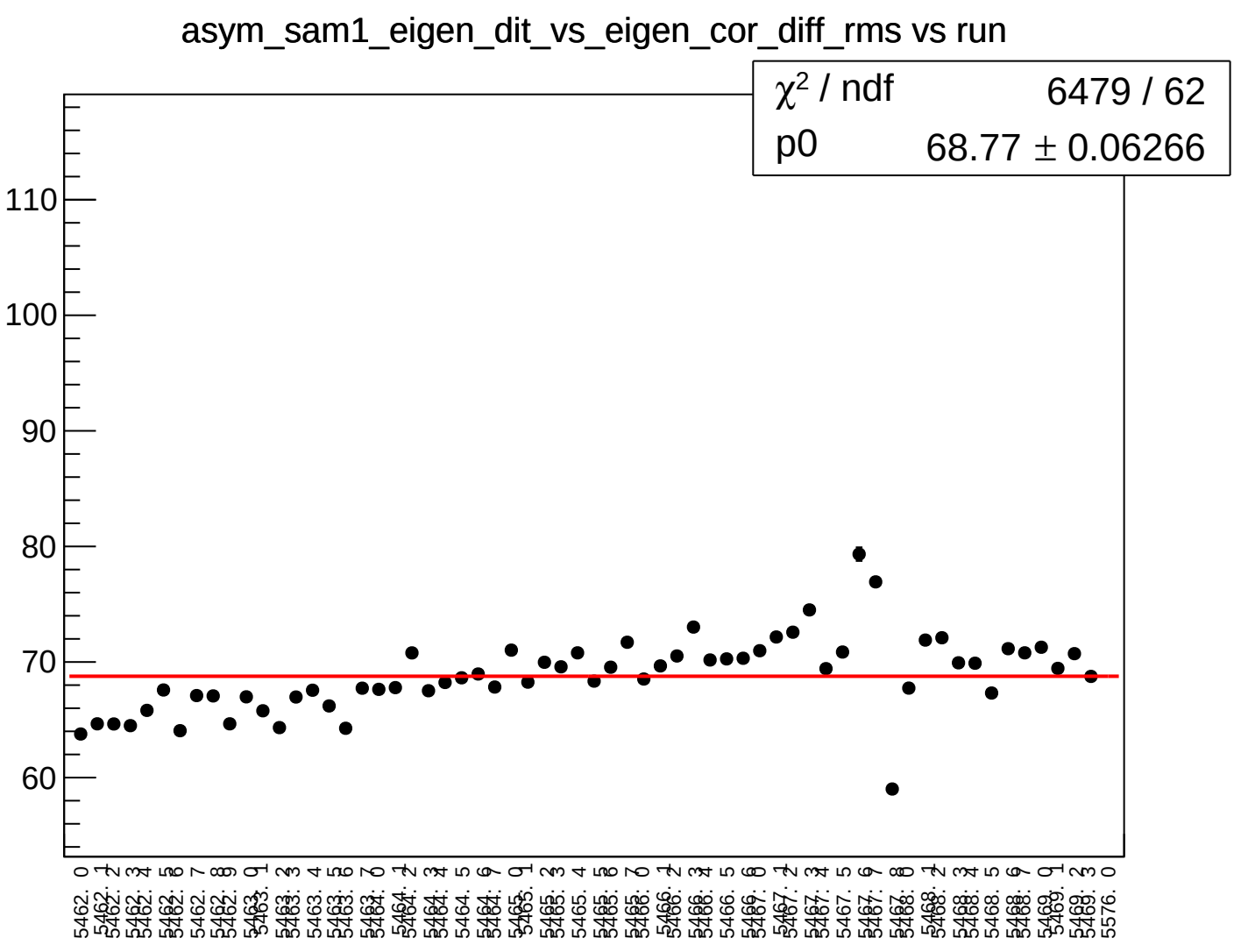

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.4 / 62
p0 −0.1672 ± 0.08862
pull
Entries 63
Mean 42.35
Std Dev 46.25

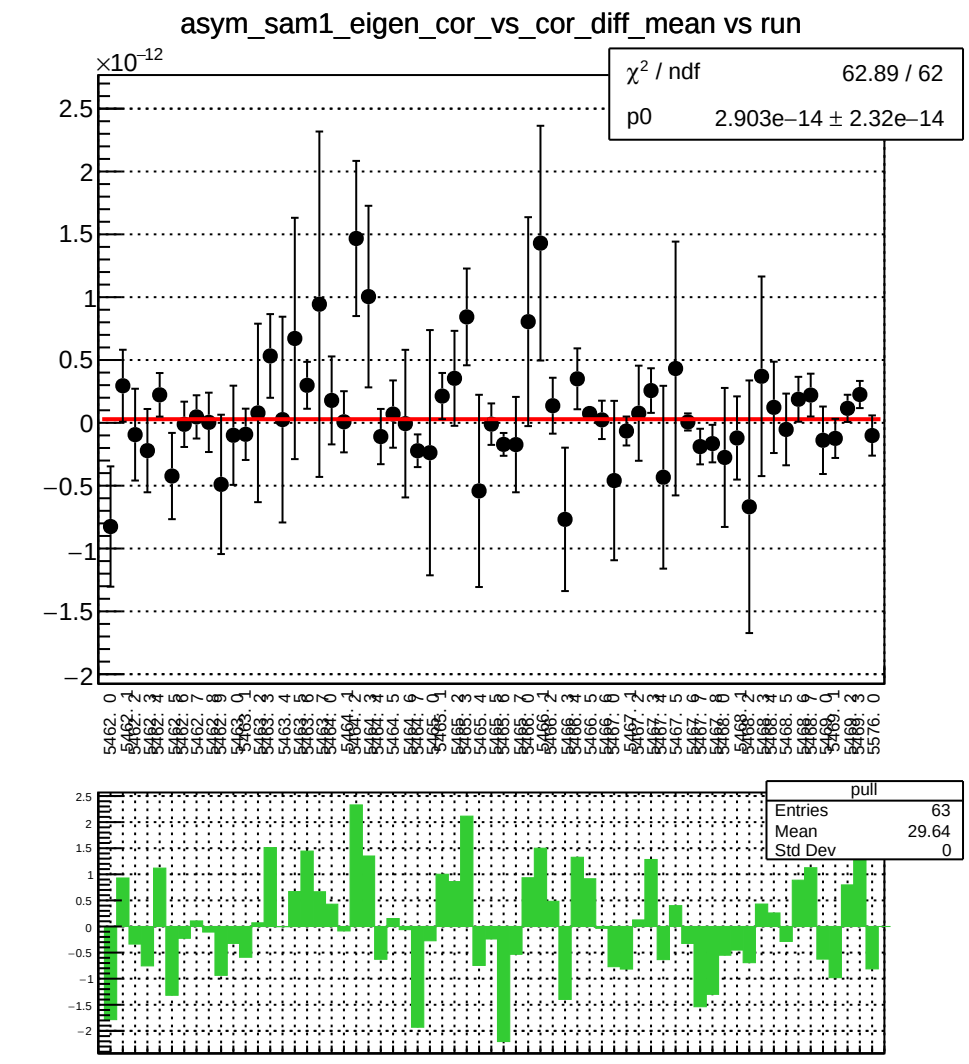

pull1D
Entries 63
Mean 0.01476
Std Dev 1.027

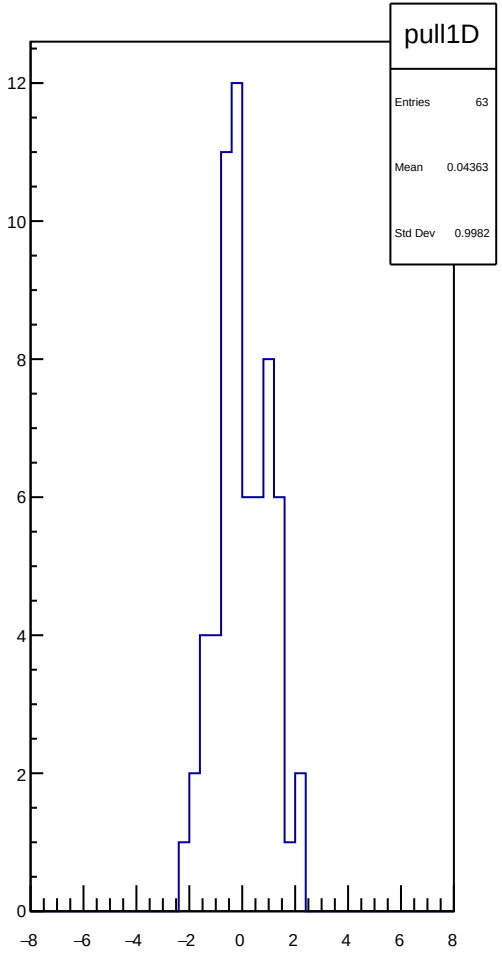

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6479 / 62
p0 68.77 ± 0.06266
110
100
90
80
70
60

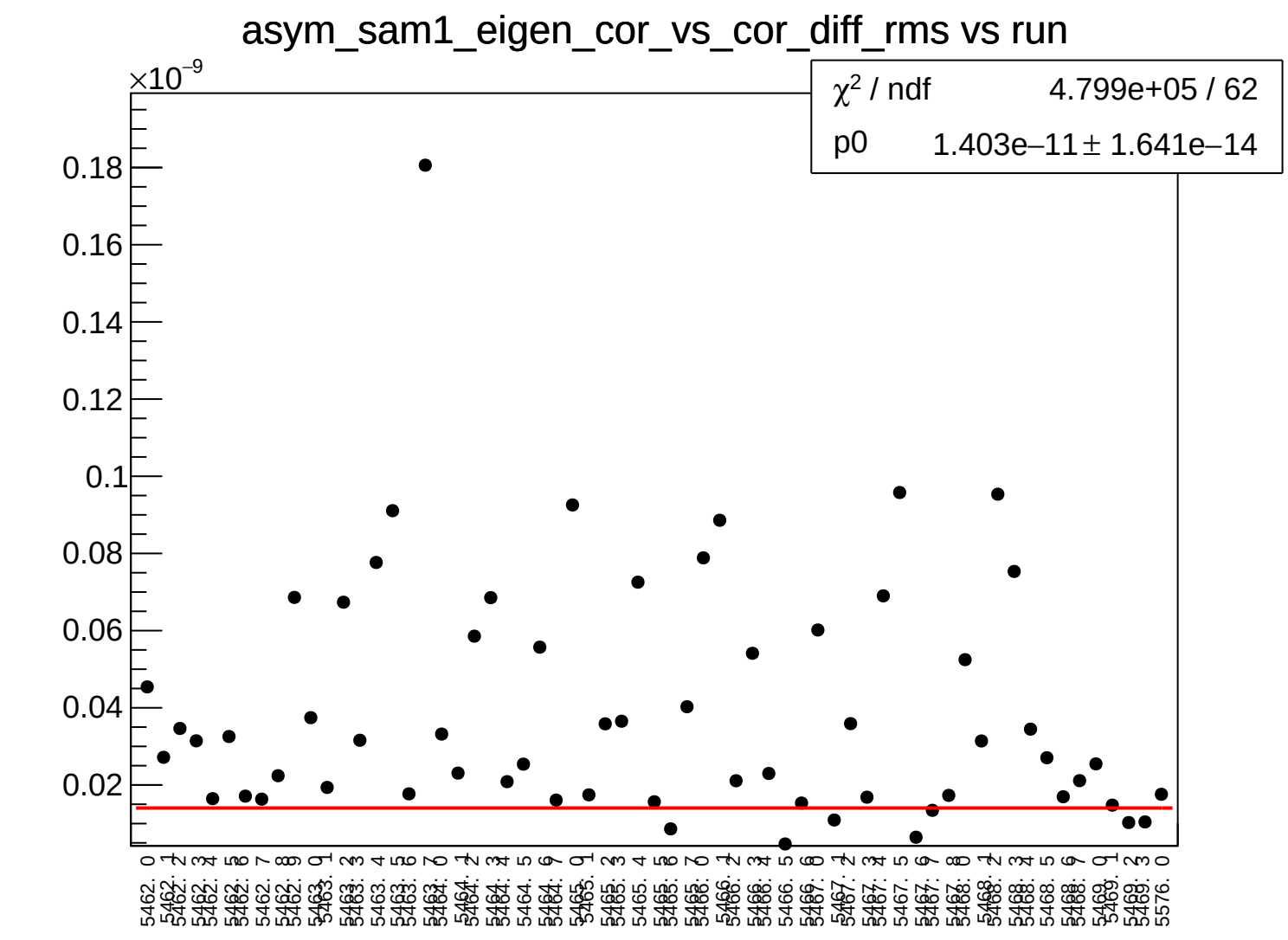

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.4 / 62
p0 −0.1672 ± 0.08862
pull
Entries 63
Mean 42.35
Std Dev 46.25

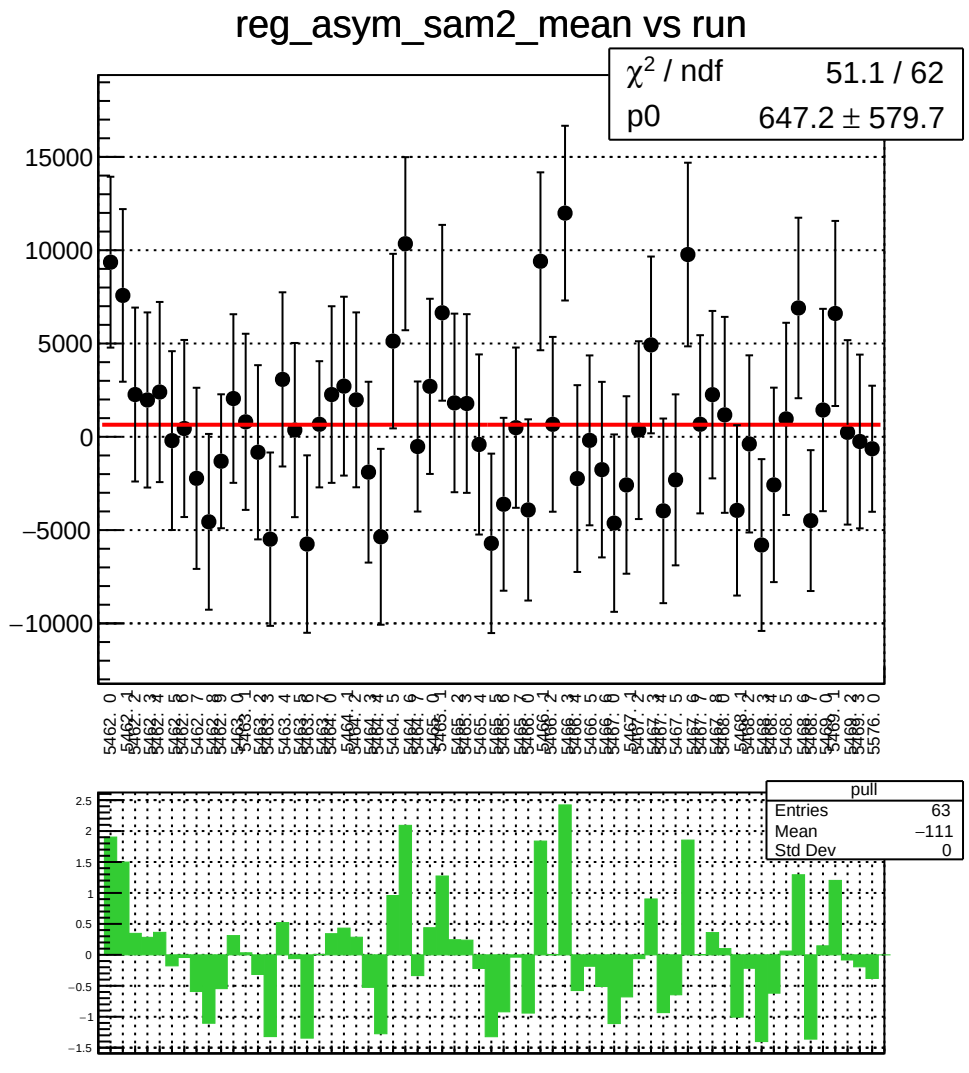

pull1D
Entries 63
Mean 0.01476
Std Dev 1.027

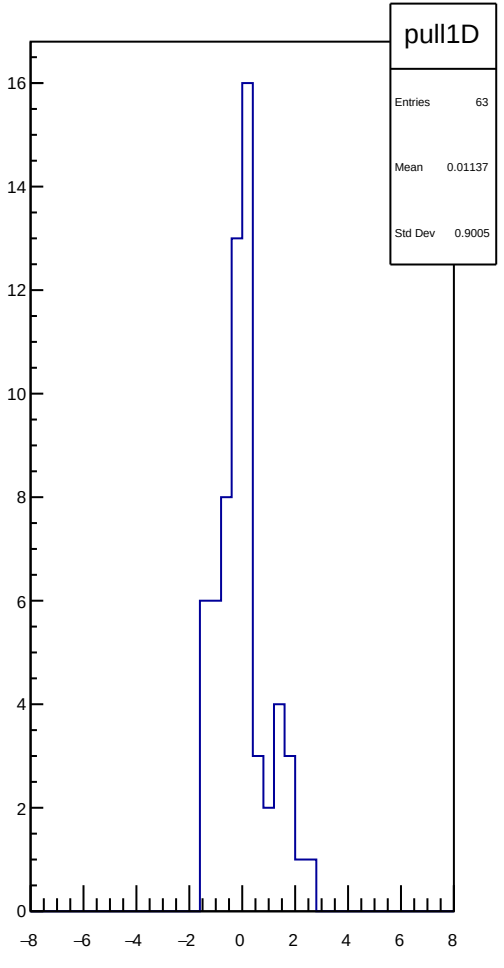

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6479 / 62
p0 68.77 ± 0.06266
110
100
90
80
70
60

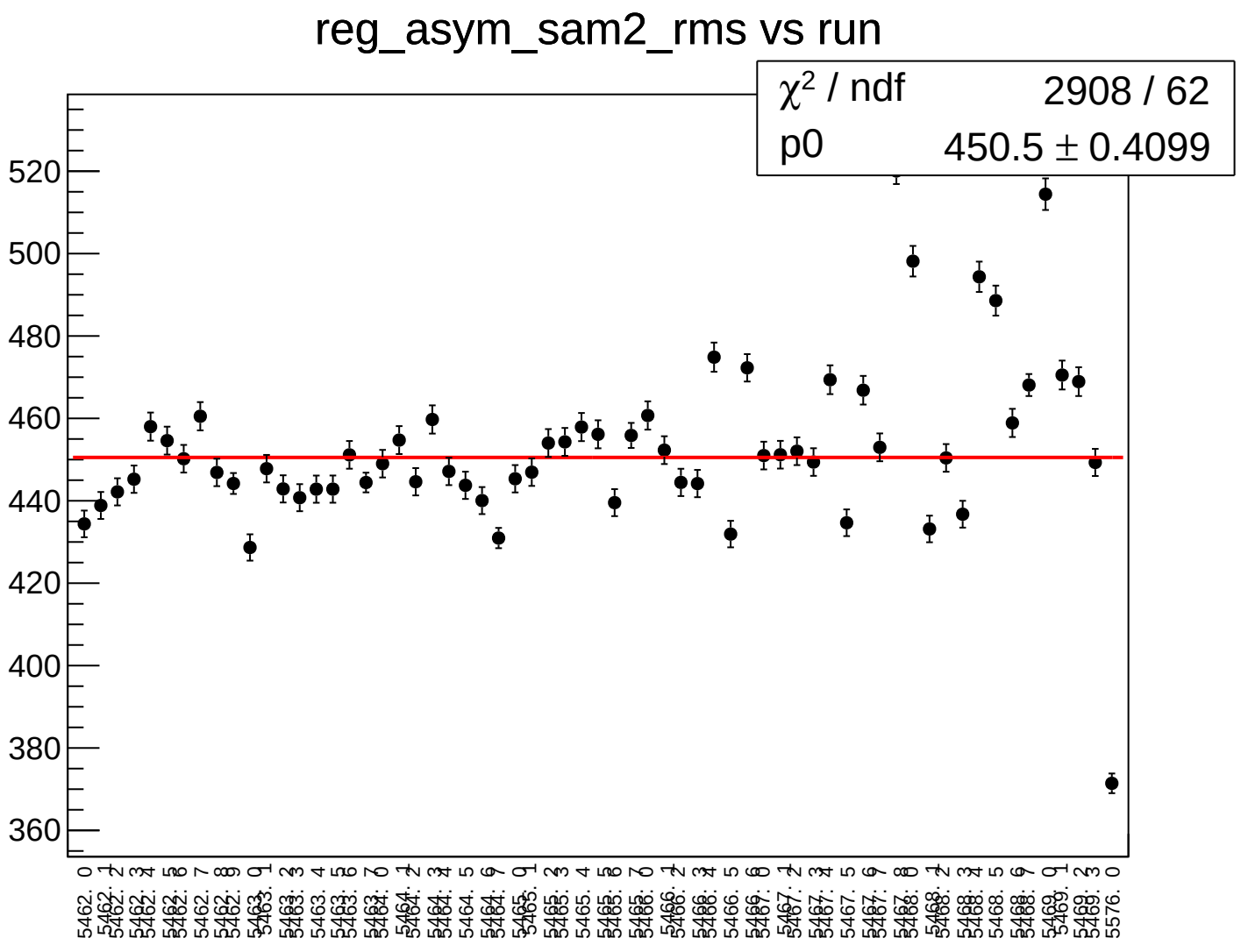

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.89 / 62
p0 2.903e−14 ± 2.32e−14
pull
Entries 63
Mean 29.64
Std Dev 0

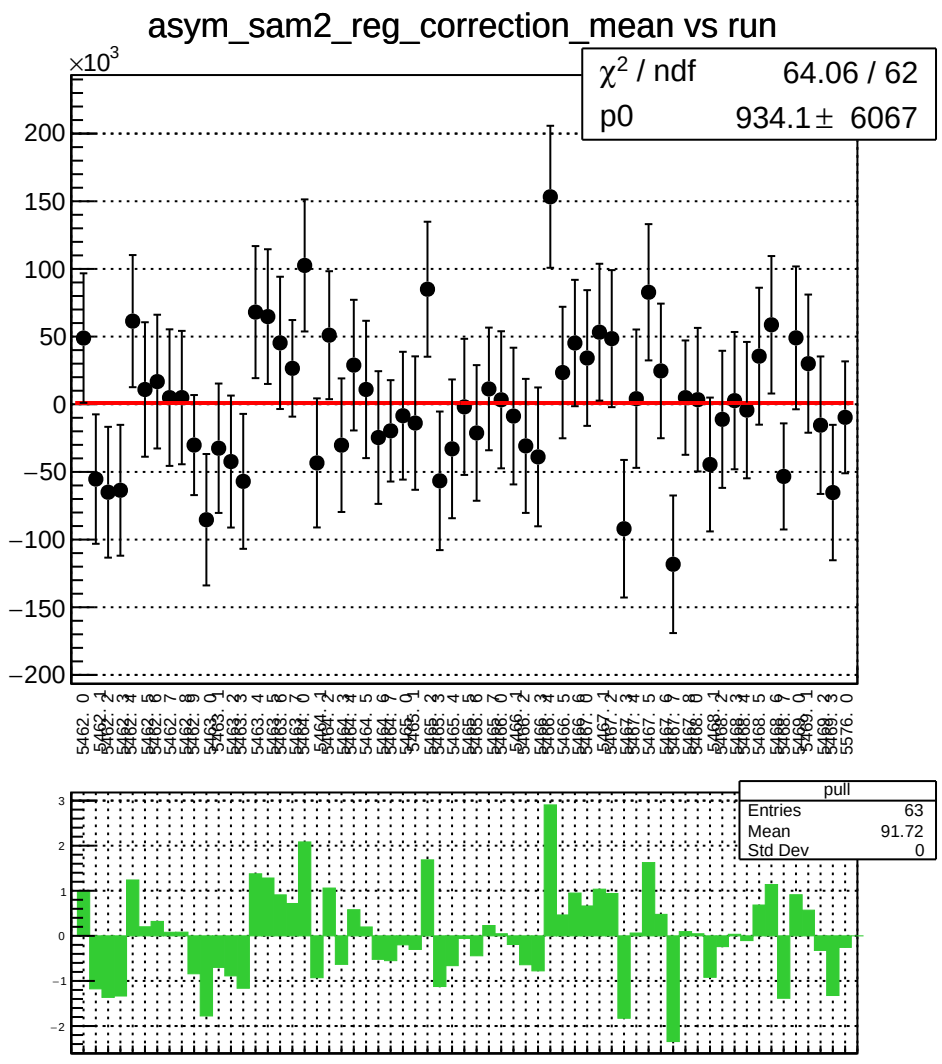

pull1D
Entries 63
Mean 0.04363
Std Dev 0.9982

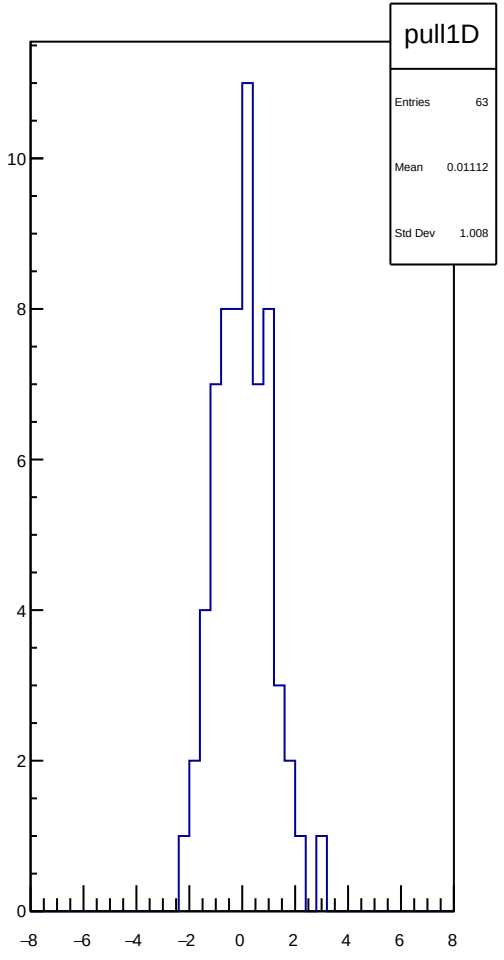

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.799e+05 / 62
p0 1.403e−11 ± 1.641e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

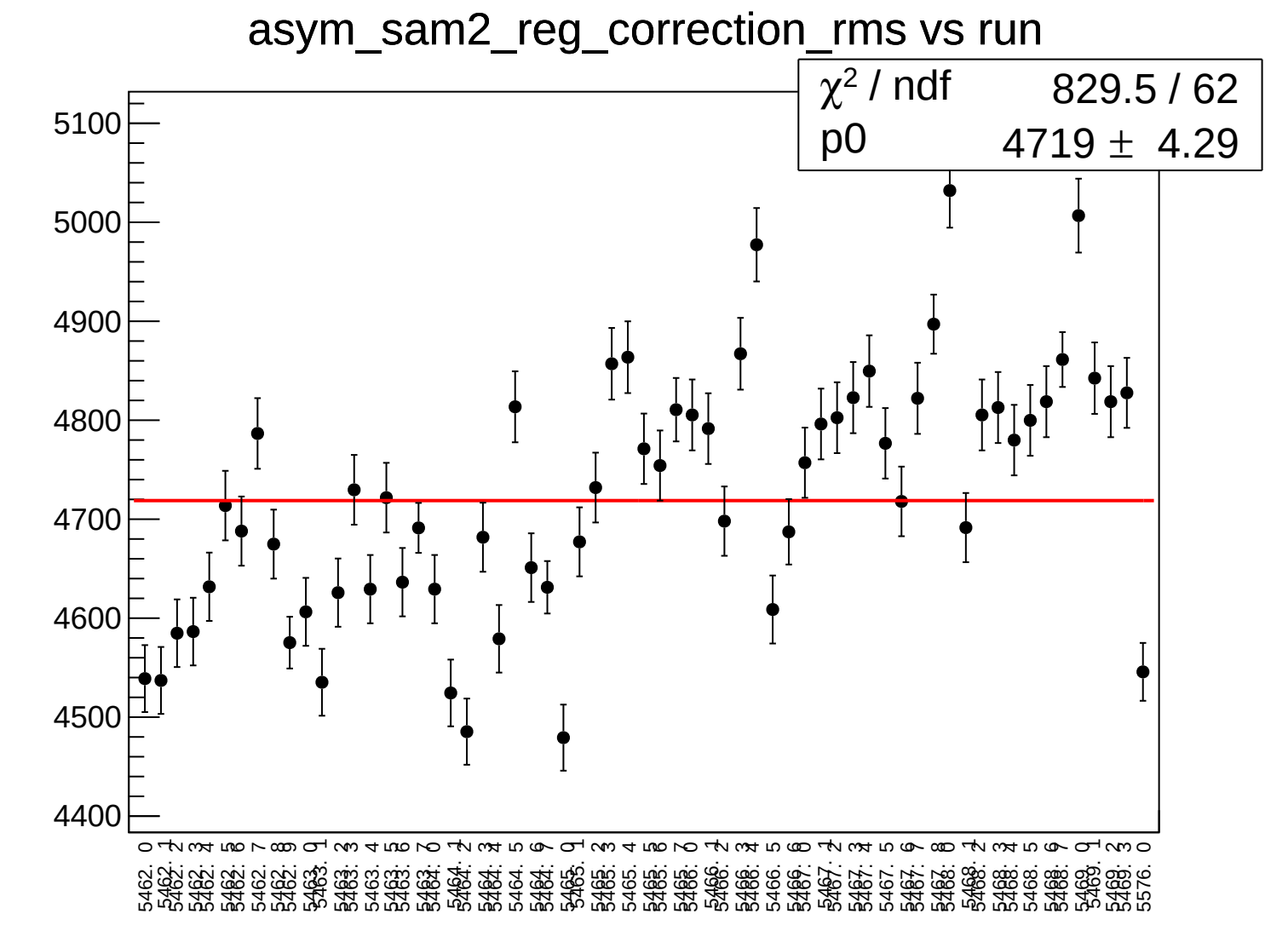

reg_asym_sam2_mean vs run
χ² / ndf 51.1 / 62
p0 647.2 ± 579.7
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

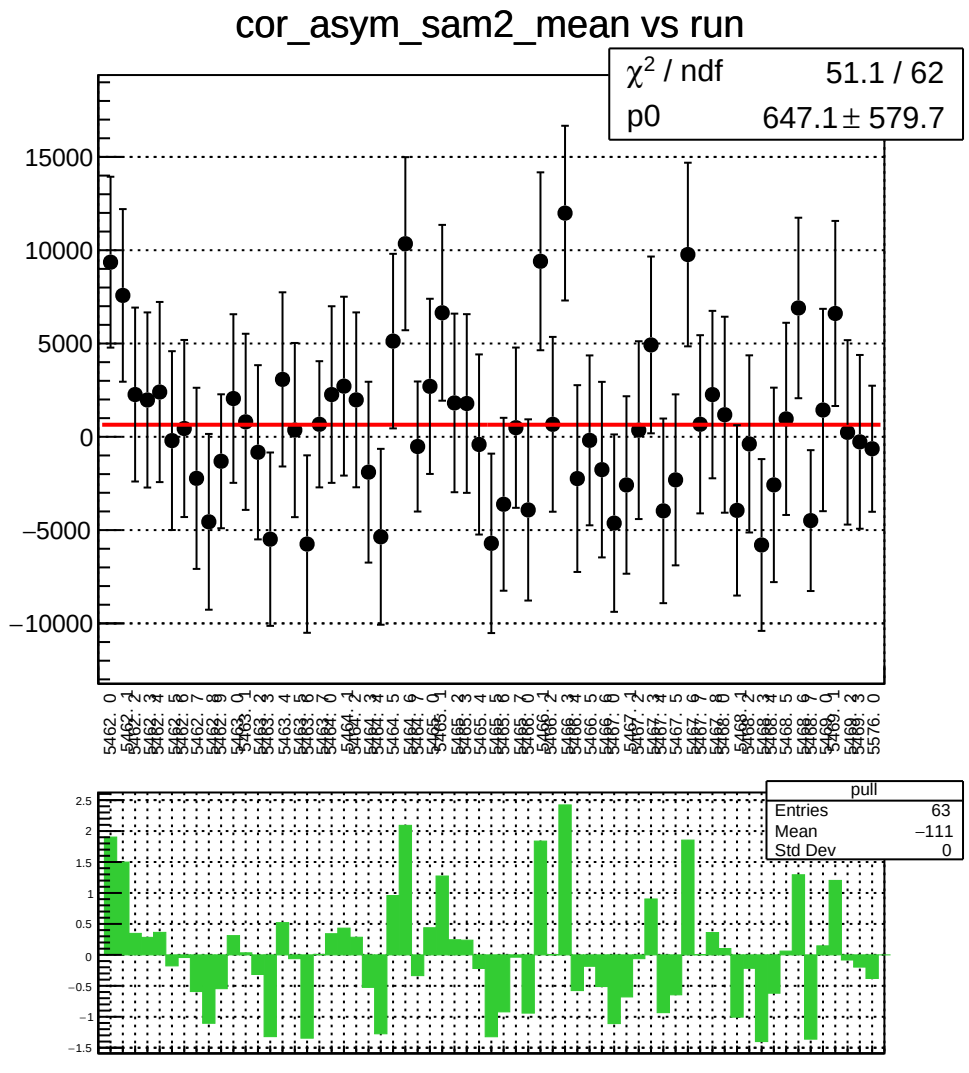

pull1D
Entries 63
Mean 0.01137
Std Dev 0.9005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

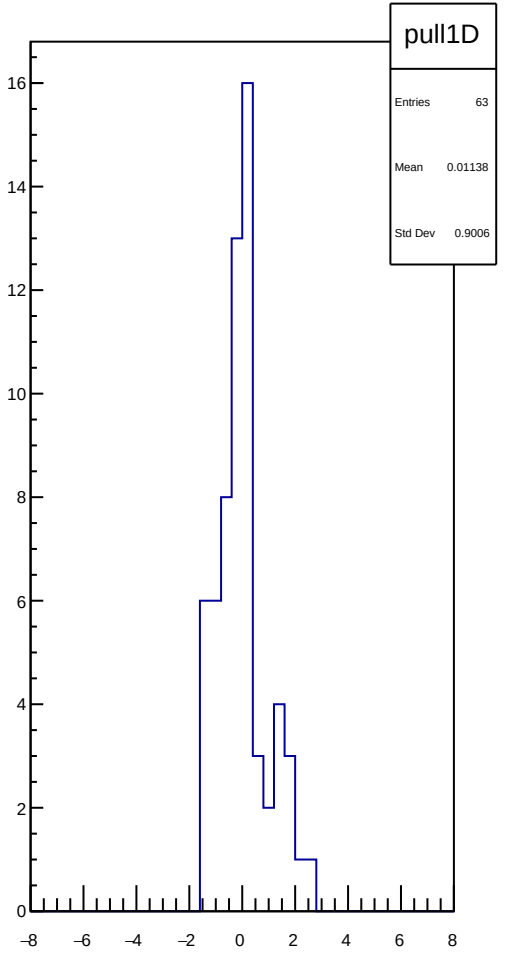

reg_asym_sam2_rms vs run
χ² / ndf 2908 / 62
p0 450.5 ± 0.4099
520
500
480
460
440
420
400
380
360

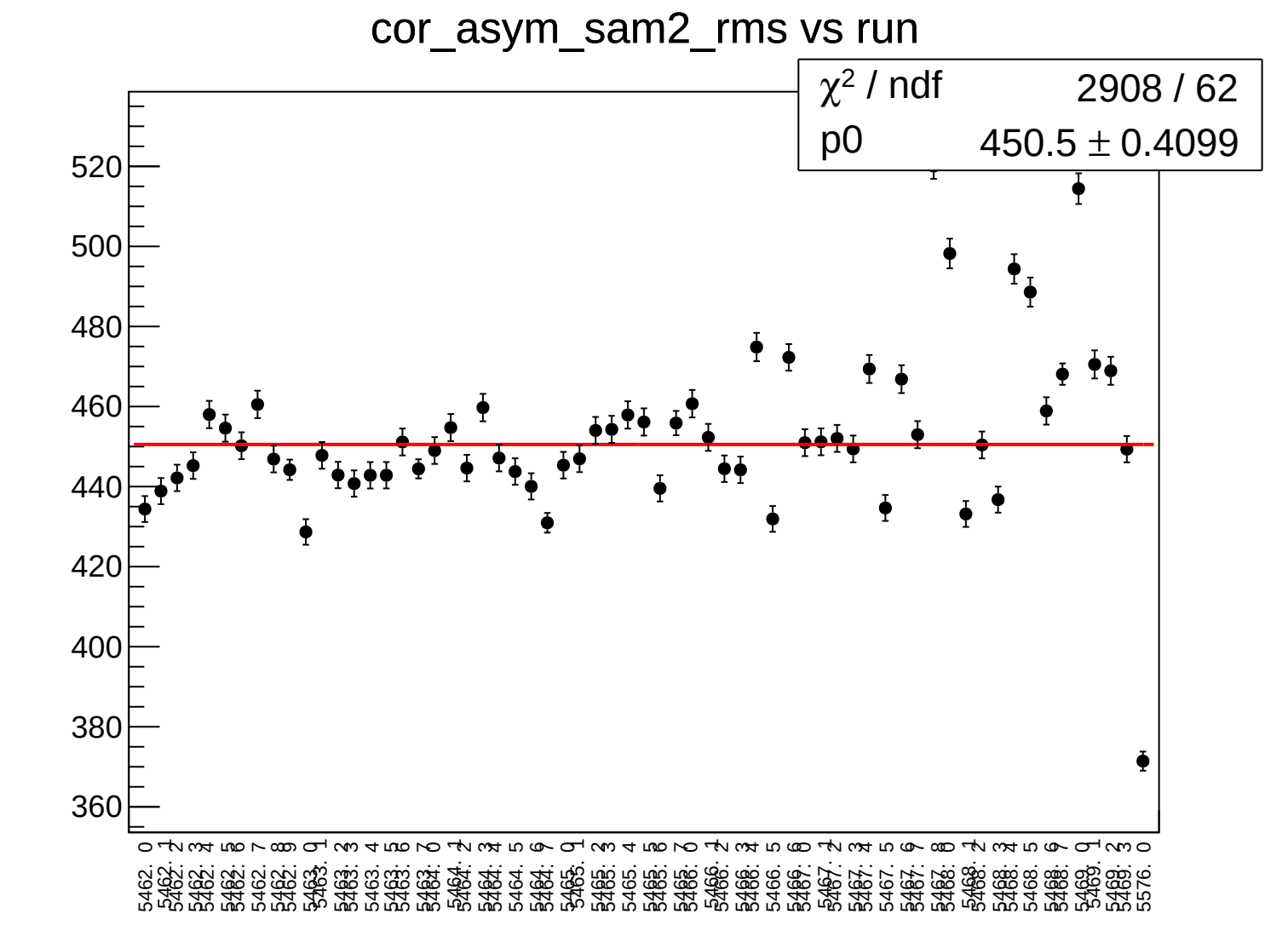

asym_sam2_reg_correction_mean vs run
×10^3
χ^2 / ndf 64.06 / 62
p0 934.1 ± 6067
pull
Entries 63
Mean 91.72
Std Dev 0

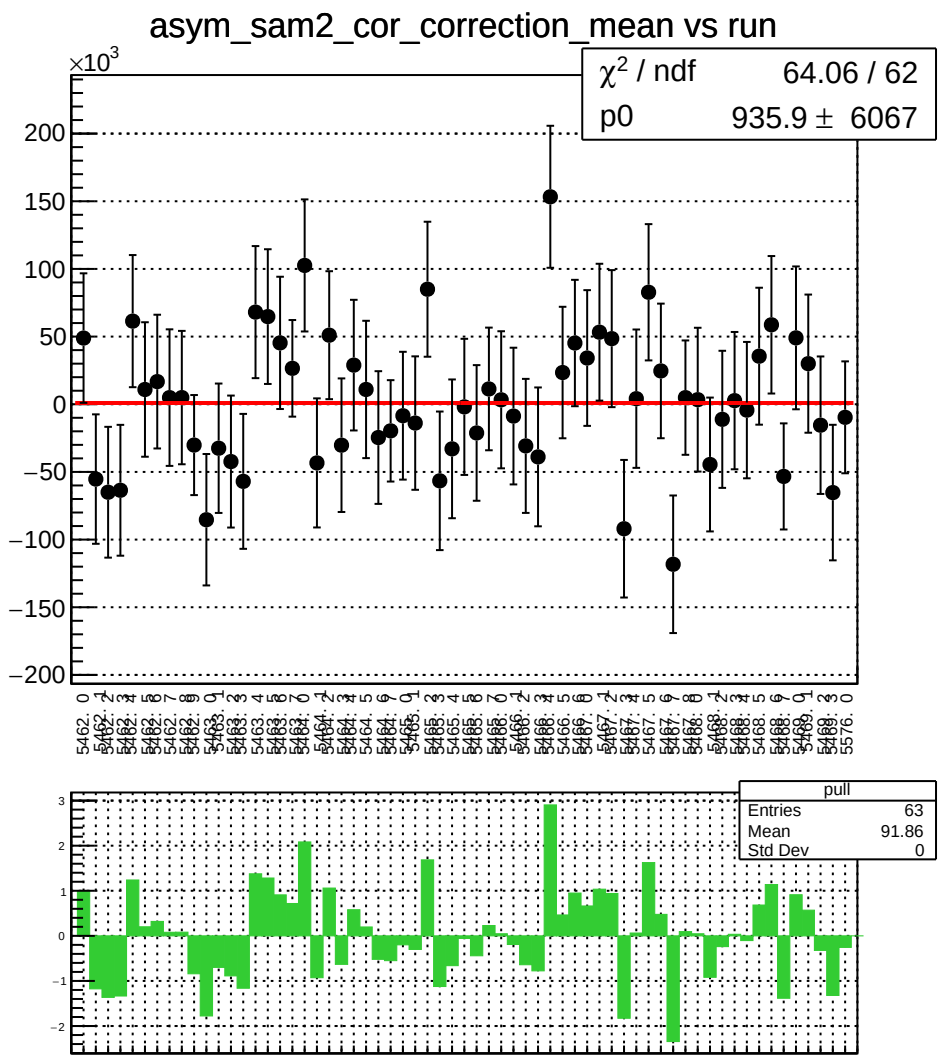

pull1D
Entries 63
Mean 0.01112
Std Dev 1.008

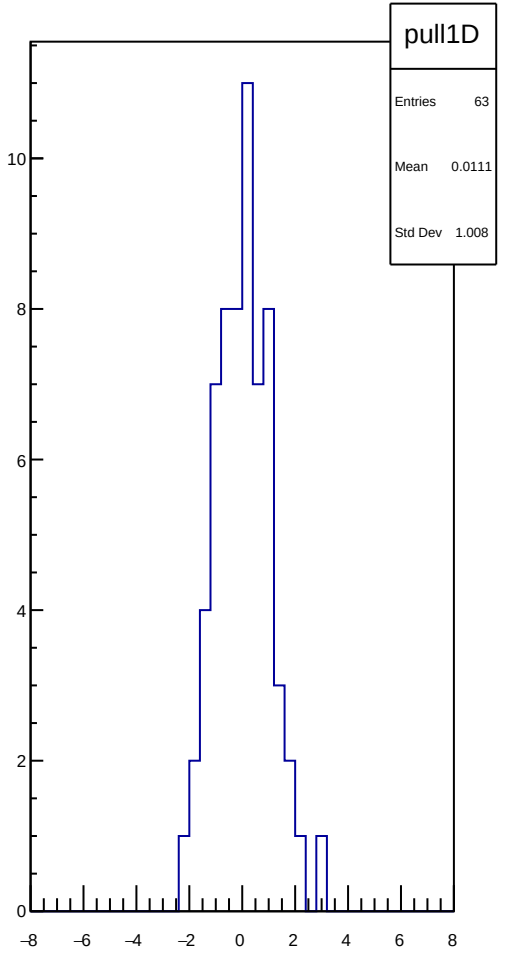

asym_sam2_reg_correction_rms vs run
χ² / ndf 829.5 / 62
p0 4719 ± 4.29
5100
5000
4900
4800
4700
4600
4500
4400

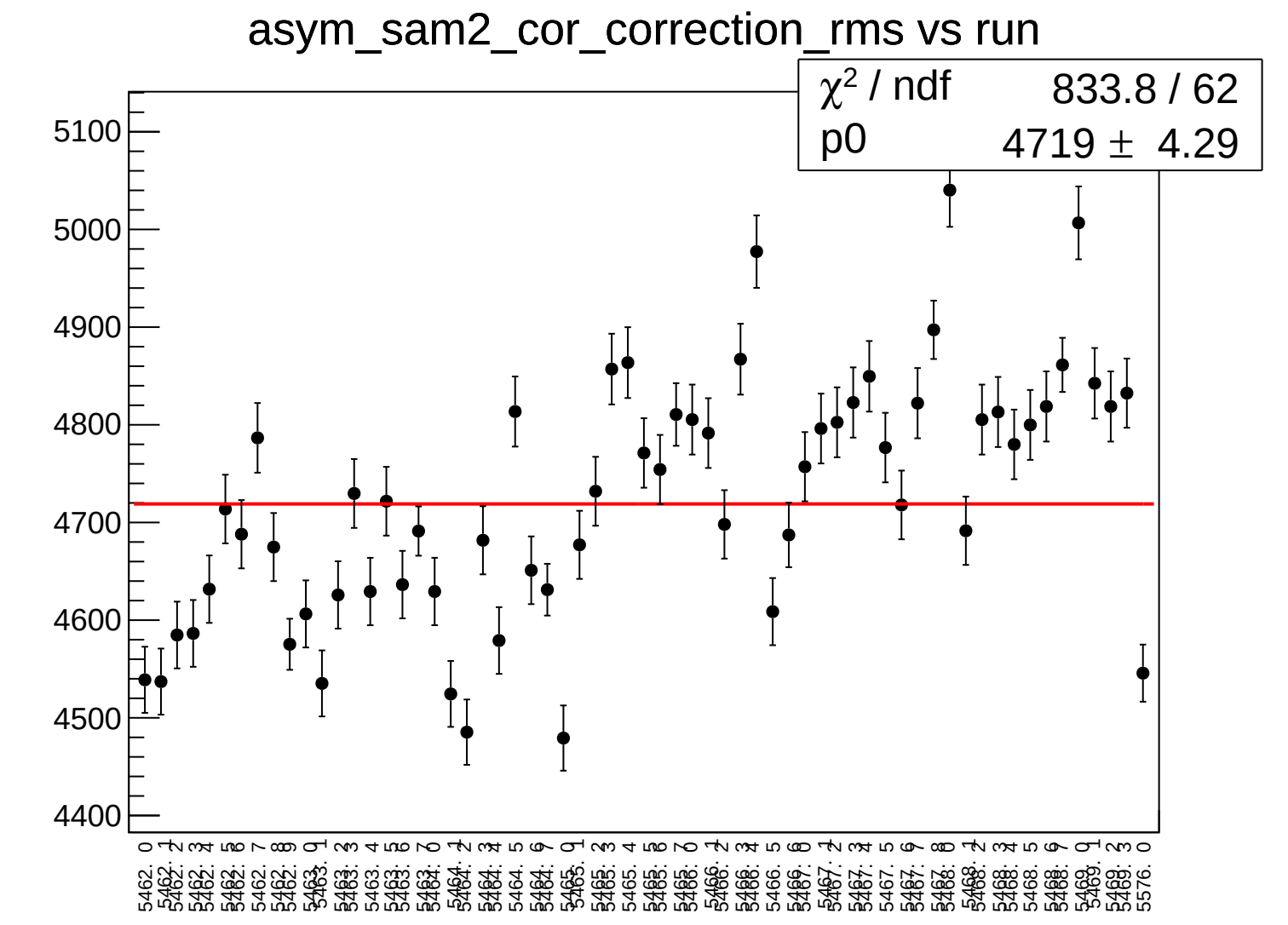

cor_asym_sam2_mean vs run
χ² / ndf 51.1 / 62
p0 647.1 ± 579.7
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

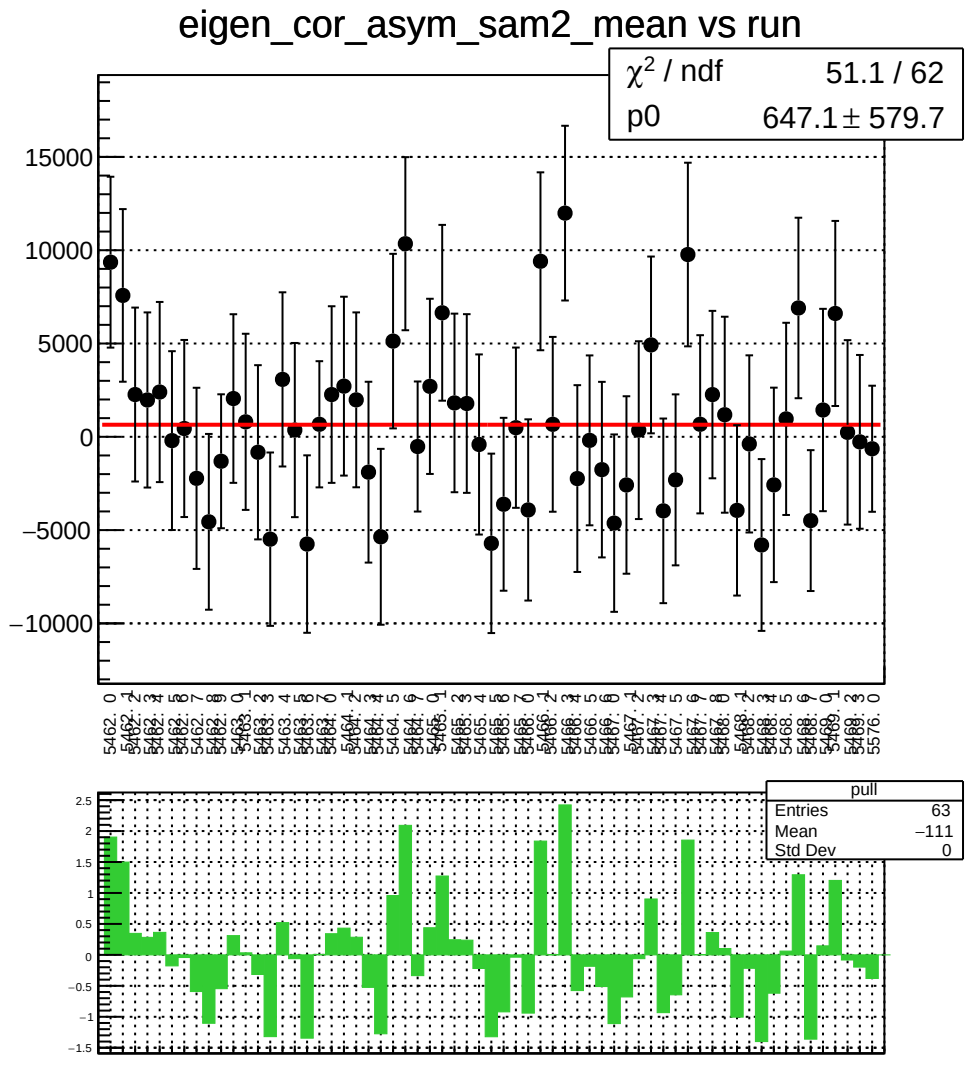

pull1D
Entries 63
Mean 0.01138
Std Dev 0.9006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

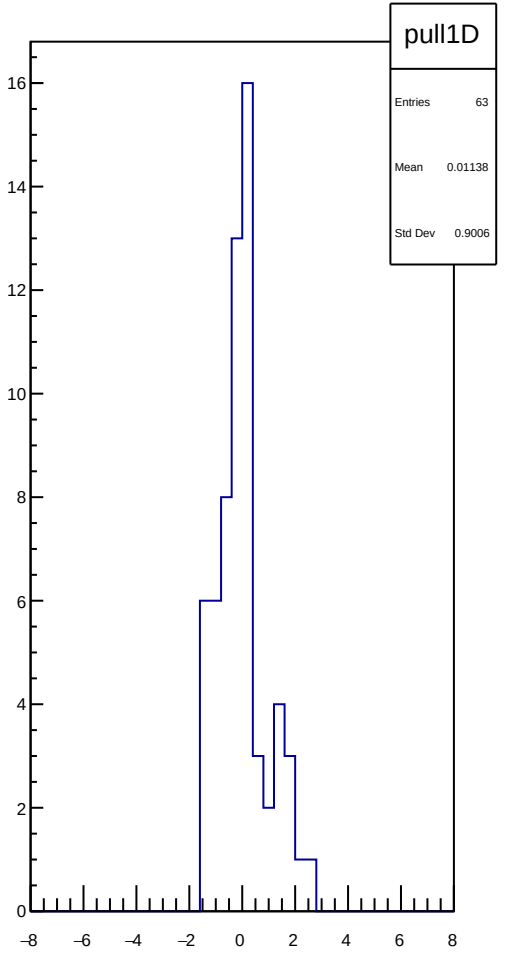

cor_asym_sam2_rms vs run
χ² / ndf 2908 / 62
p0 450.5 ± 0.4099
520
500
480
460
440
420
400
380
360

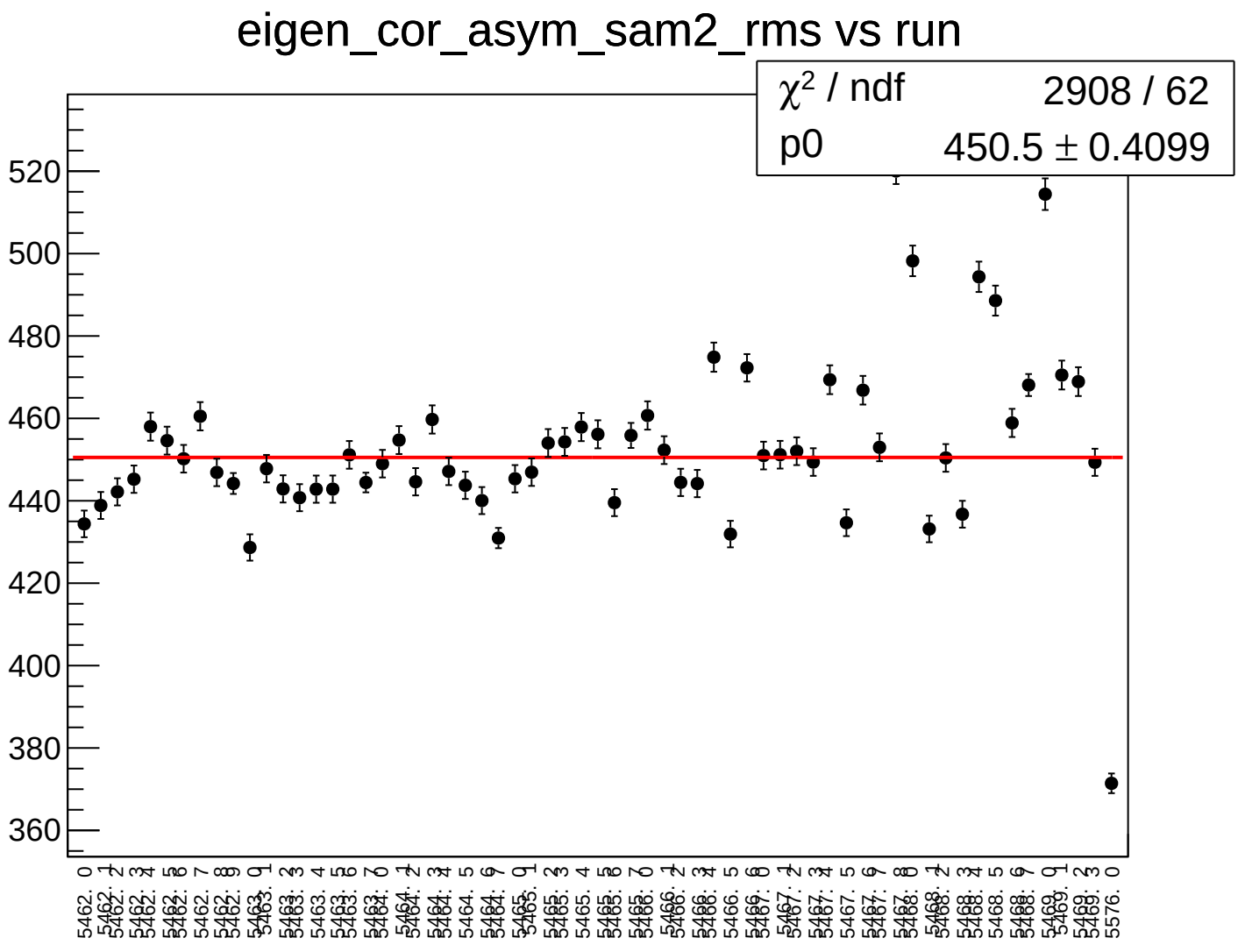

asym_sam2_cor_correction_mean vs run
×10^3
χ^2 / ndf 64.06 / 62
p0 935.9 ± 6067
pull
Entries 63
Mean 91.86
Std Dev 0

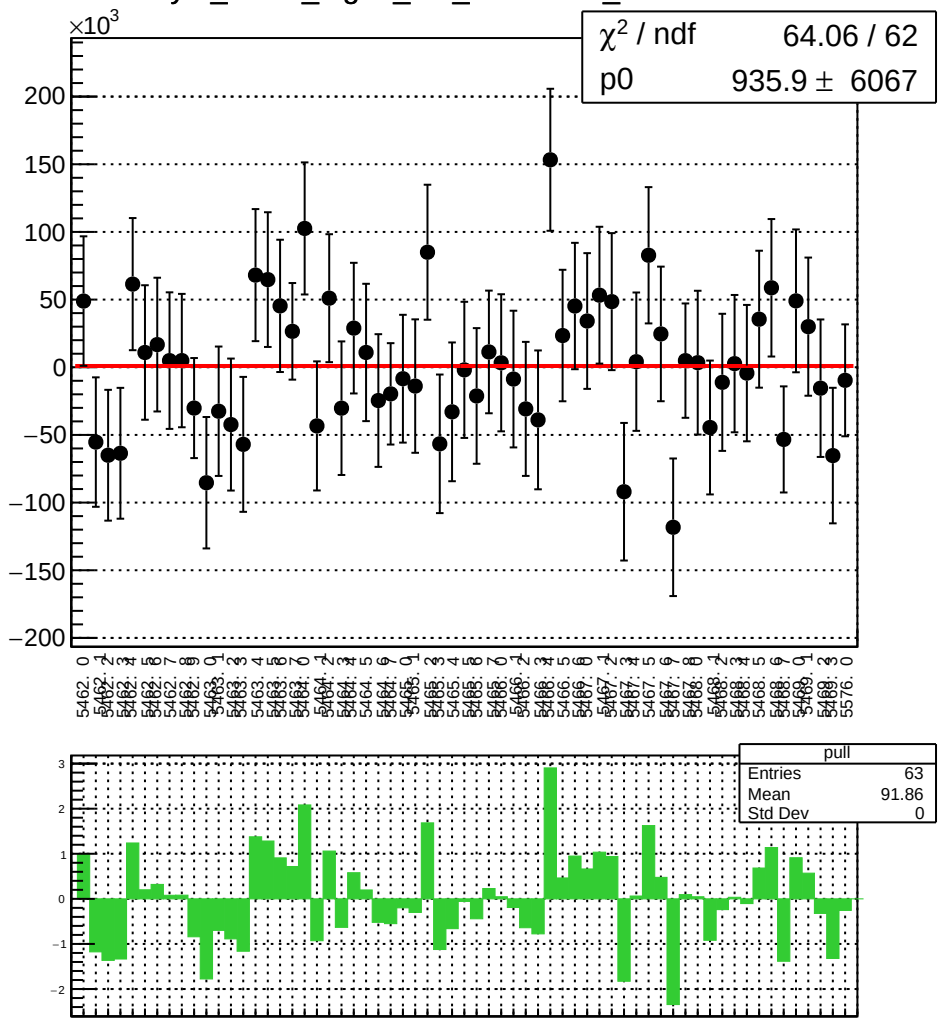

pull1D
Entries 63
Mean 0.0111
Std Dev 1.008

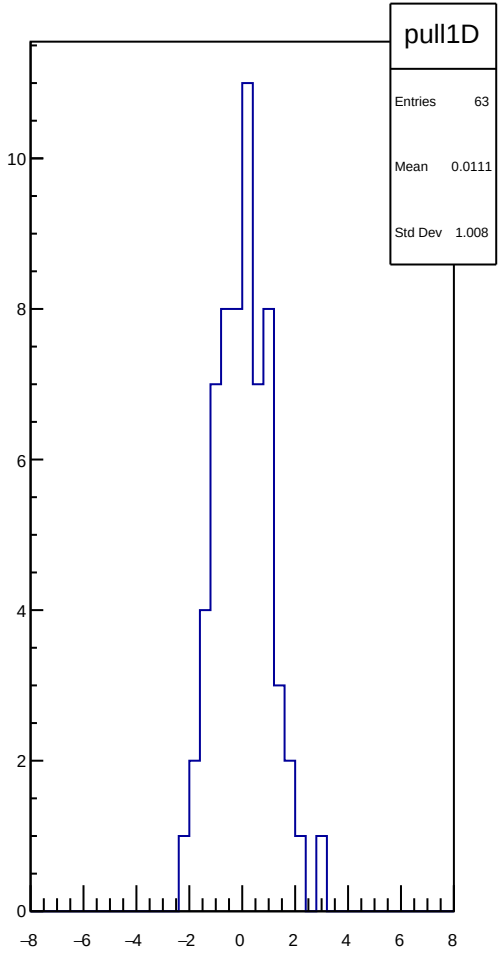

asym_sam2_cor_correction_rms vs run
χ² / ndf 833.8 / 62
p0 4719 ± 4.29
5100
5000
4900
4800
4700
4600
4500
4400

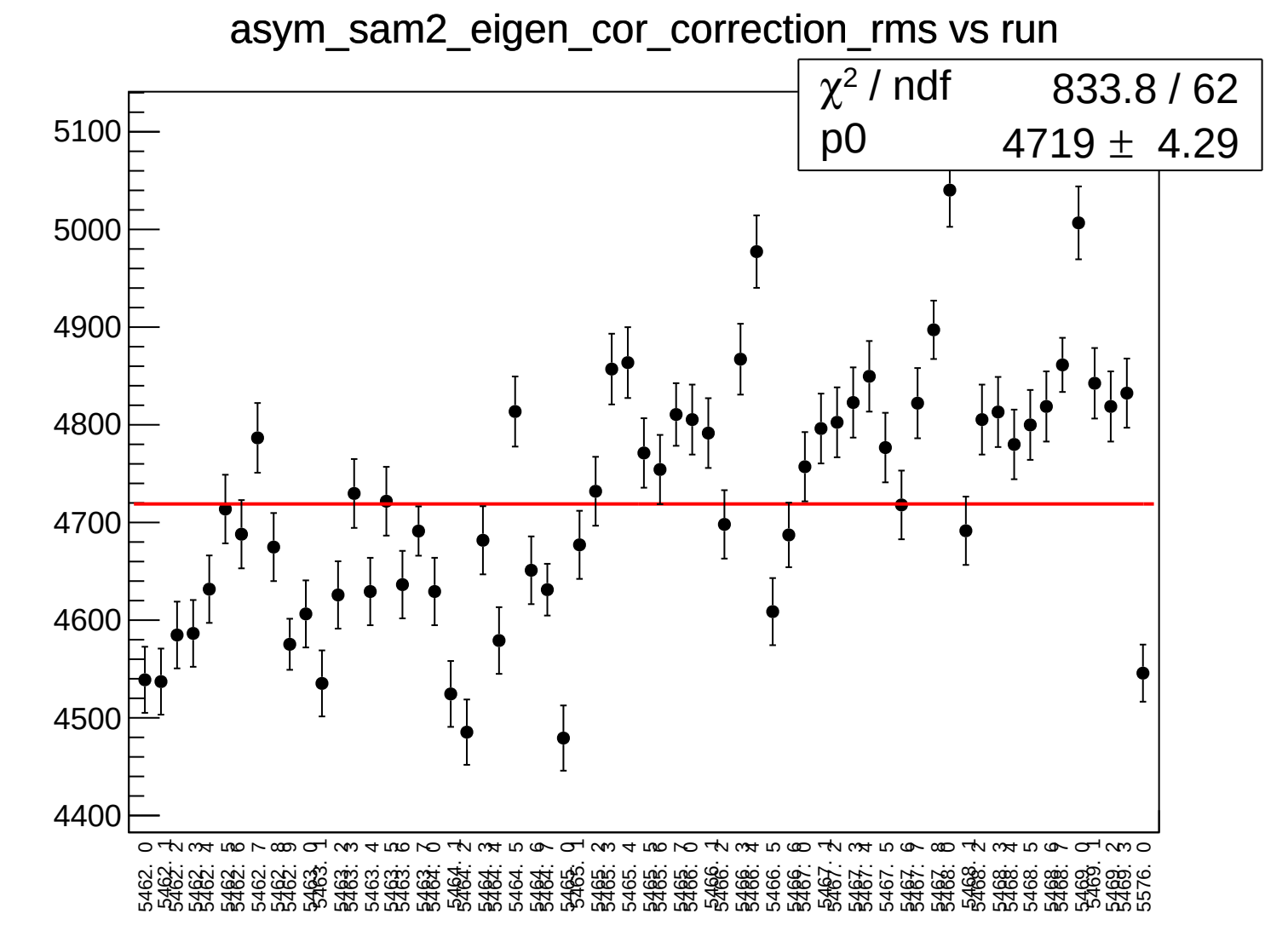

eigen_cor_asym_sam2_mean vs run
χ² / ndf 51.1 / 62
p0 647.1 ± 579.7
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

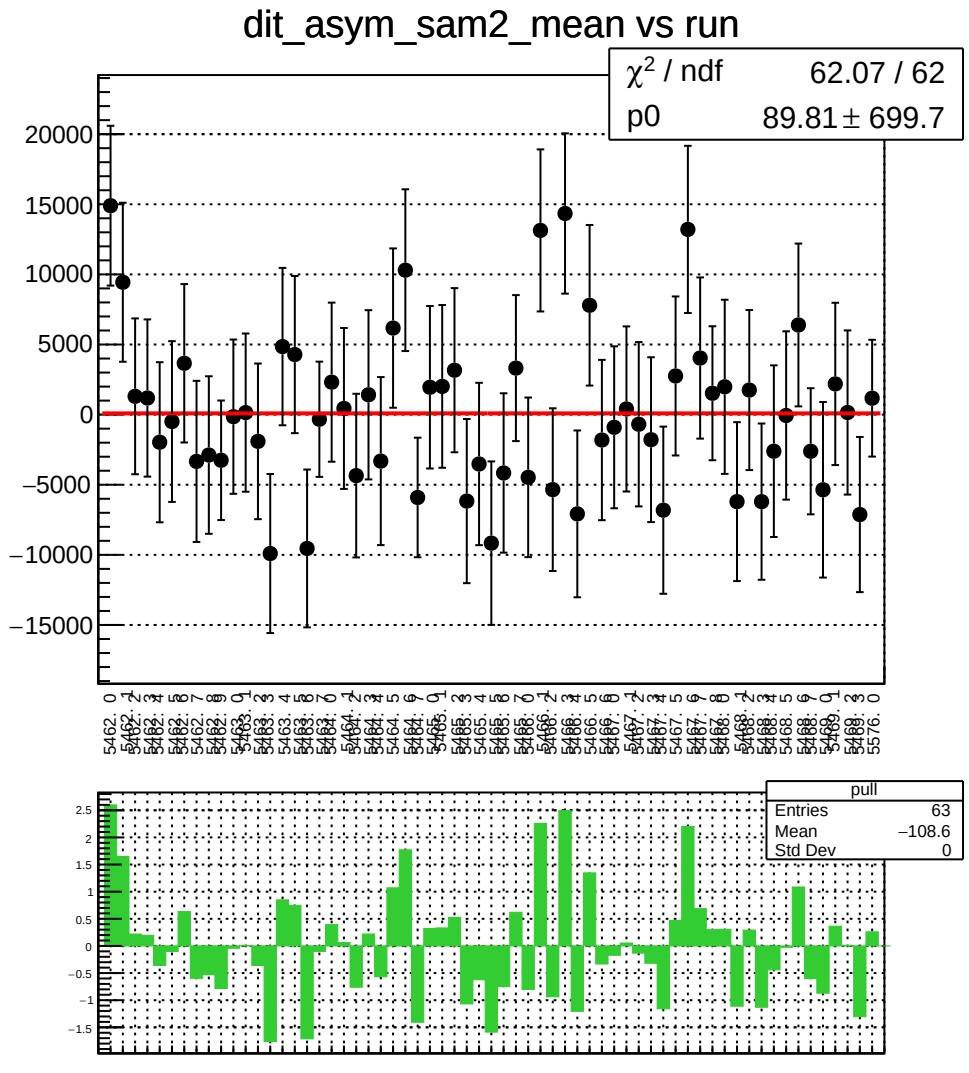

pull1D
Entries 63
Mean 0.01138
Std Dev 0.9006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

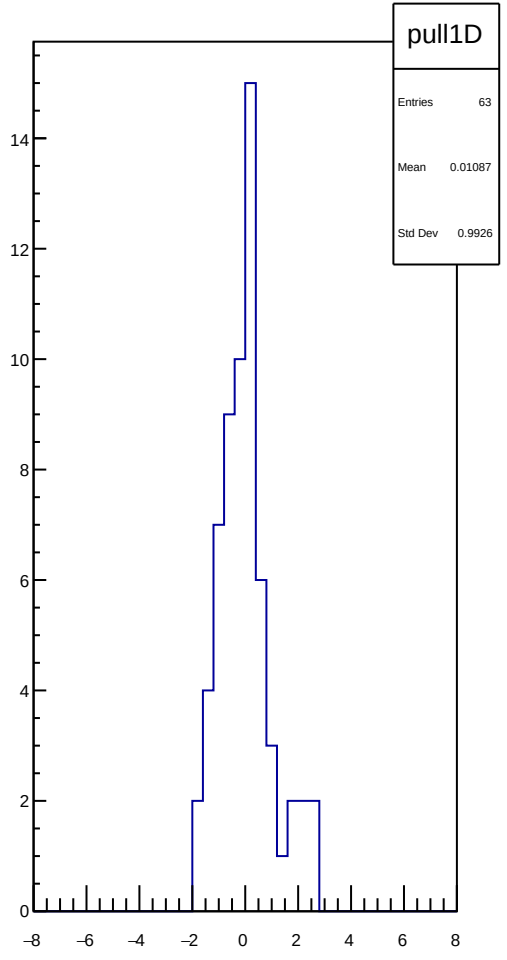

eigen_cor_asym_sam2_rms vs run
χ² / ndf 2908 / 62
p0 450.5 ± 0.4099
520
500
480
460
440
420
400
380
360

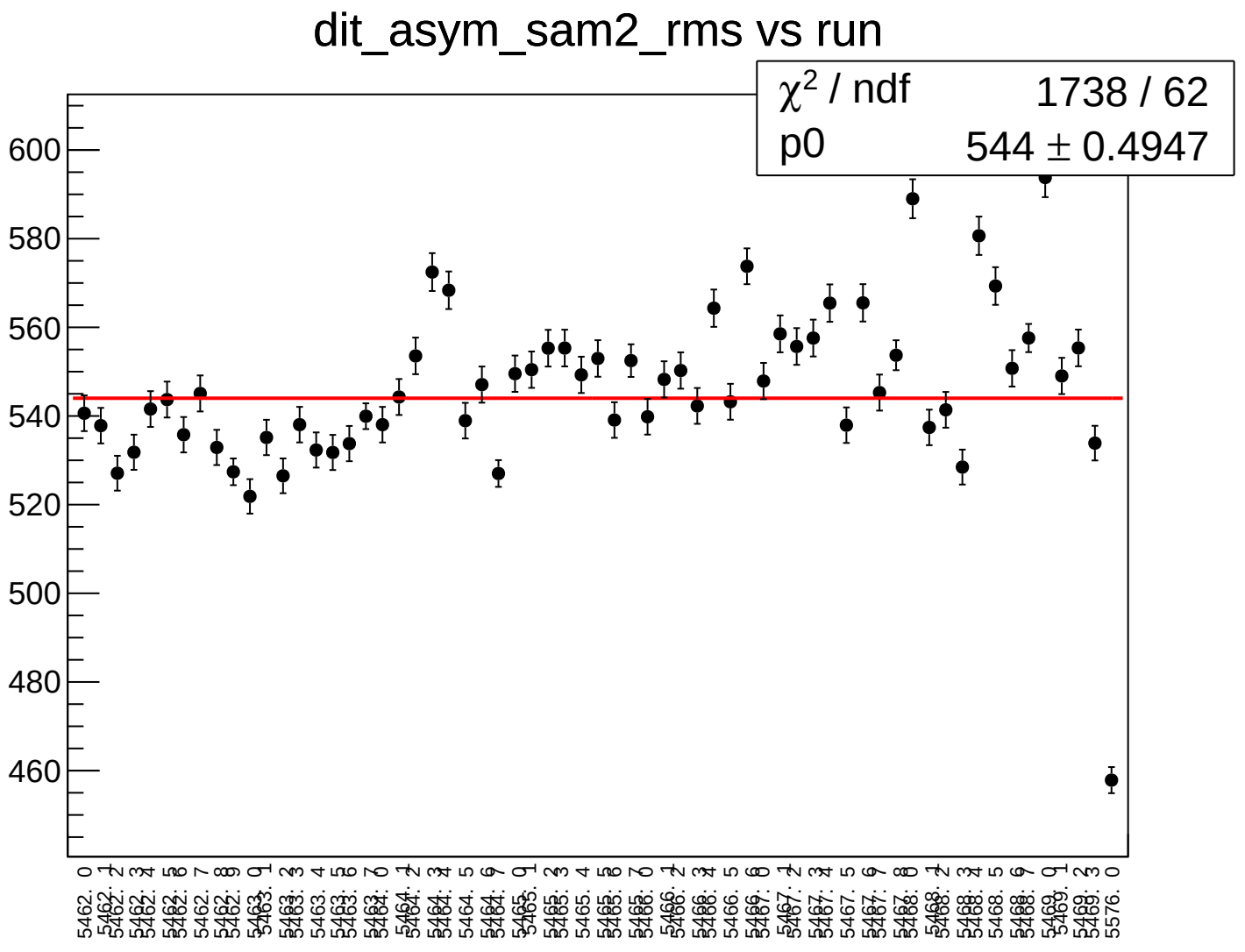

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 64.06 / 62
p0 935.9 ± 6067
pull
Entries 63
Mean 91.86
Std Dev 0

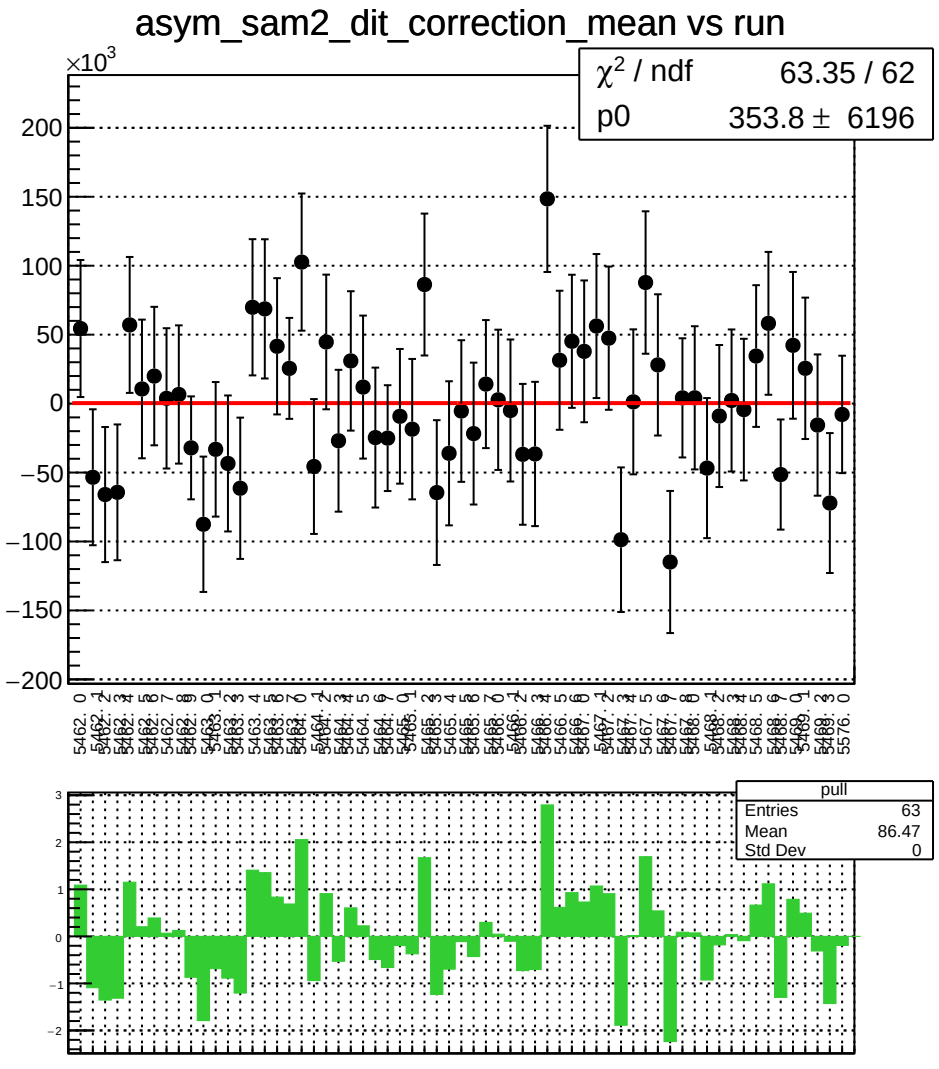

pull1D
Entries 63
Mean 0.0111
Std Dev 1.008

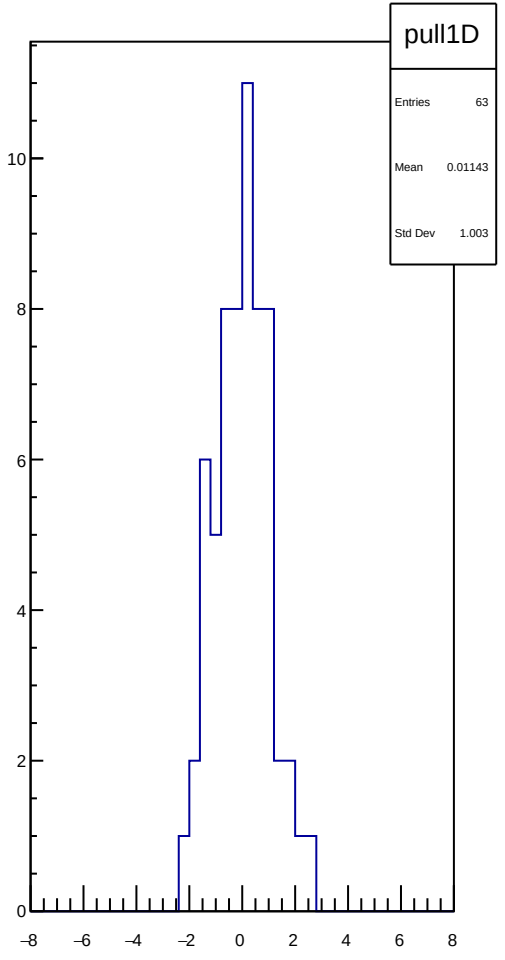

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 833.8 / 62
p0 4719 ± 4.29
5100
5000
4900
4800
4700
4600
4500
4400

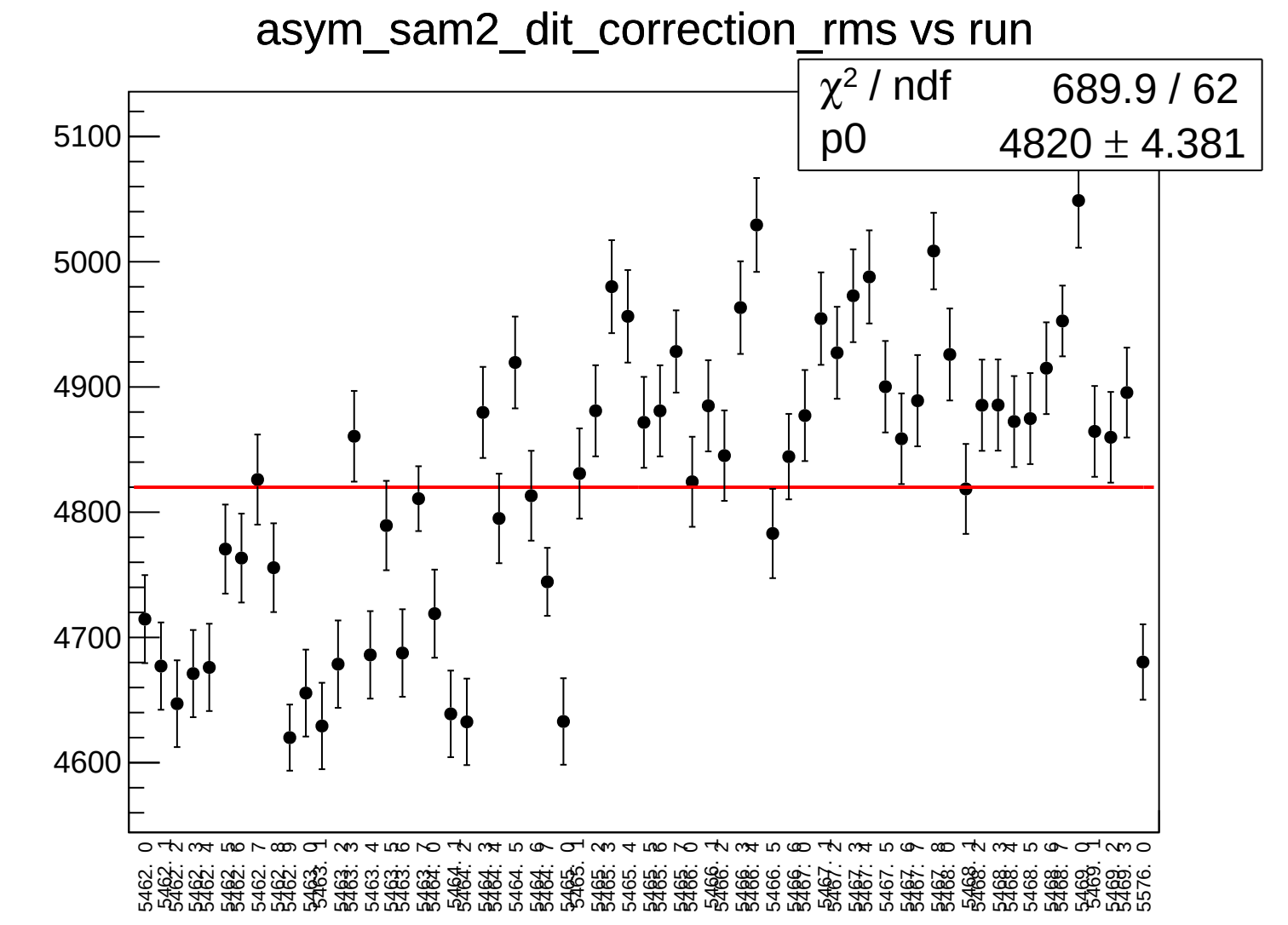

dit_asym_sam2_mean vs run
χ² / ndf 62.07 / 62
p0 89.81 ± 699.7
pull
Entries 63
Mean −108.6
Std Dev 0

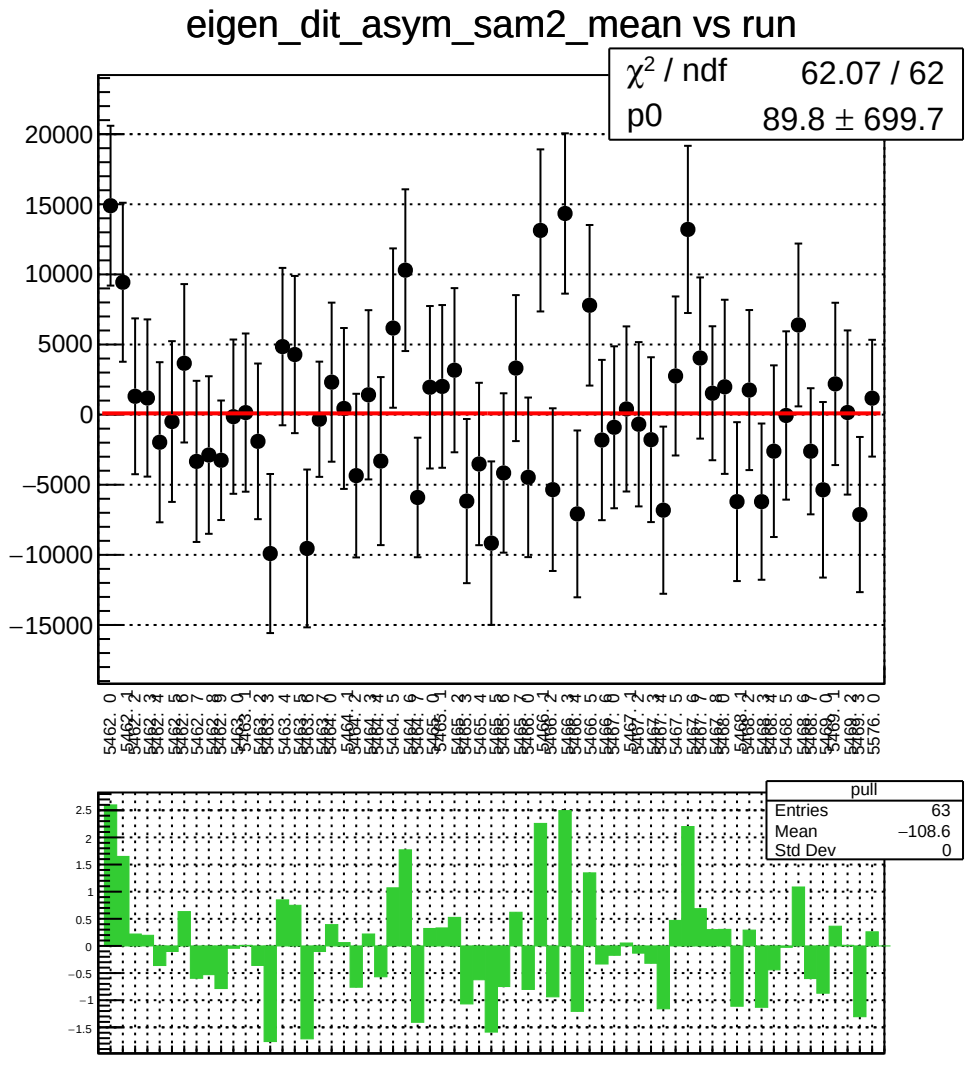

pull1D
Entries 63
Mean 0.01087
Std Dev 0.9926

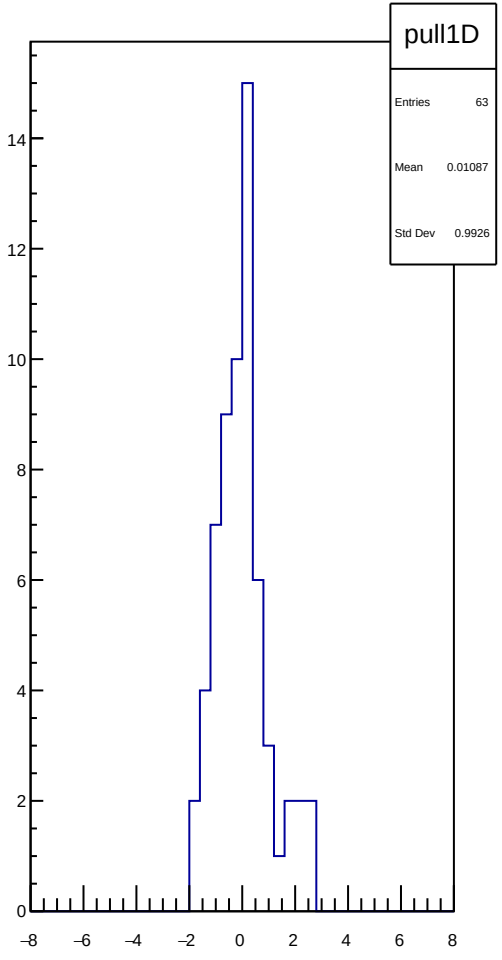

dit_asym_sam2_rms vs run
χ² / ndf 1738 / 62
p0 544 ± 0.4947
600
580
560
540
520
500
480
460

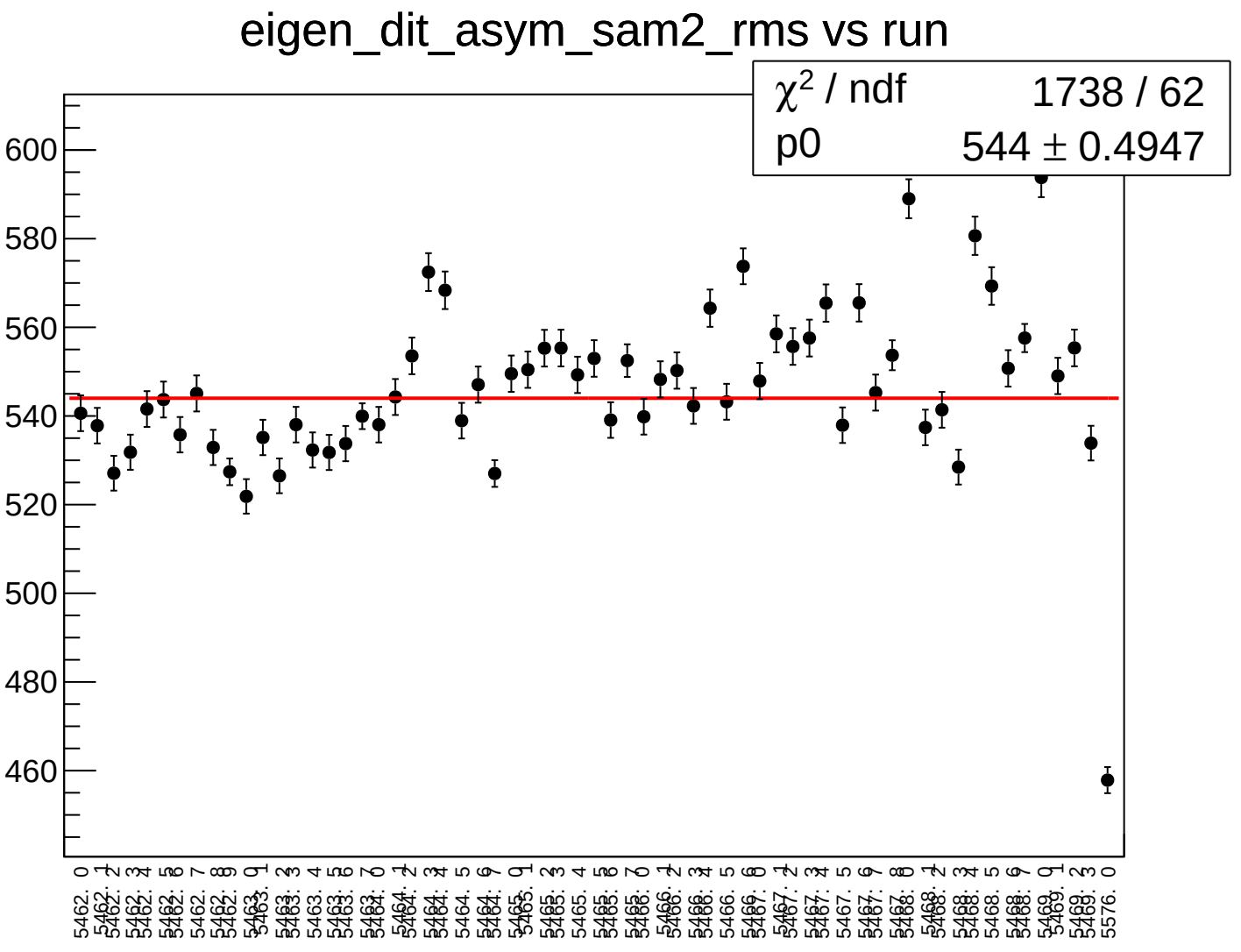

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 63.35 / 62
p0 353.8 ± 6196
pull
Entries 63
Mean 86.47
Std Dev 0

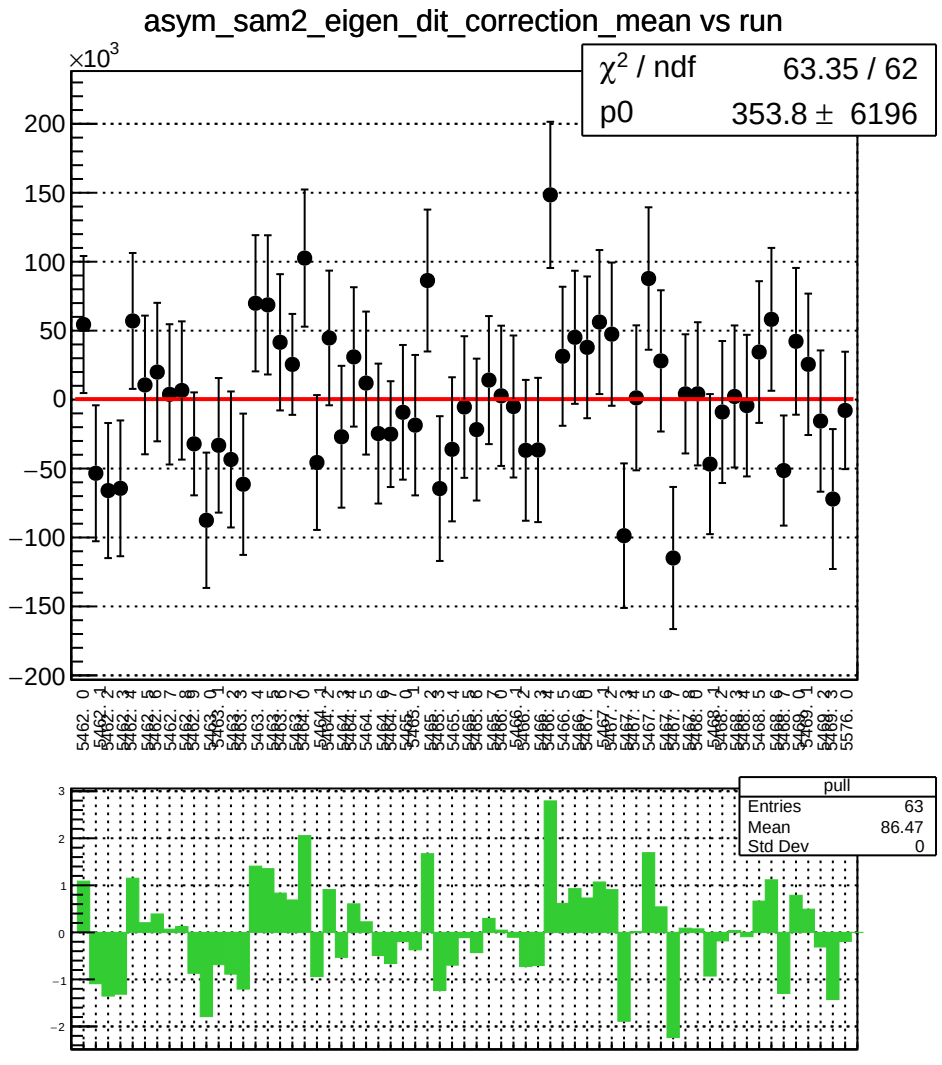

pull1D
Entries 63
Mean 0.01143
Std Dev 1.003

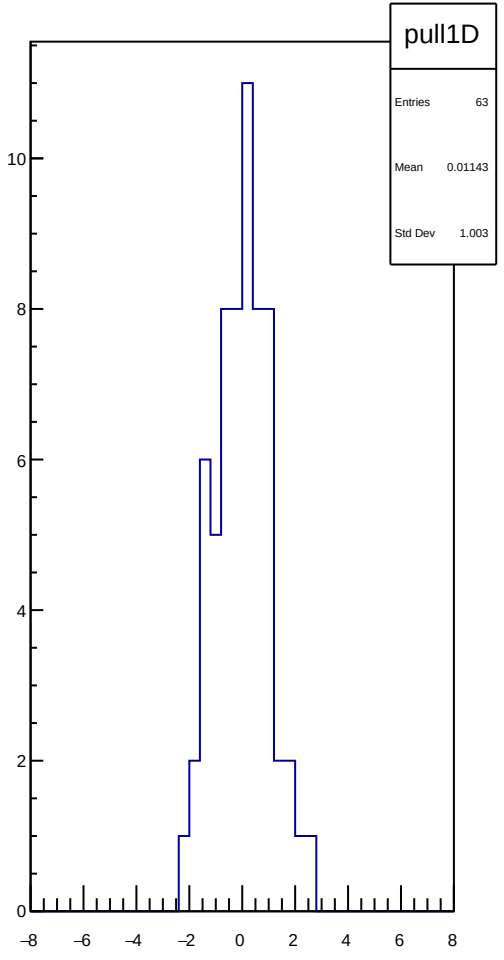

asym_sam2_dit_correction_rms vs run
χ^2 / ndf 689.9 / 62
p0 4820 ± 4.381
5100
5000
4900
4800
4700
4600

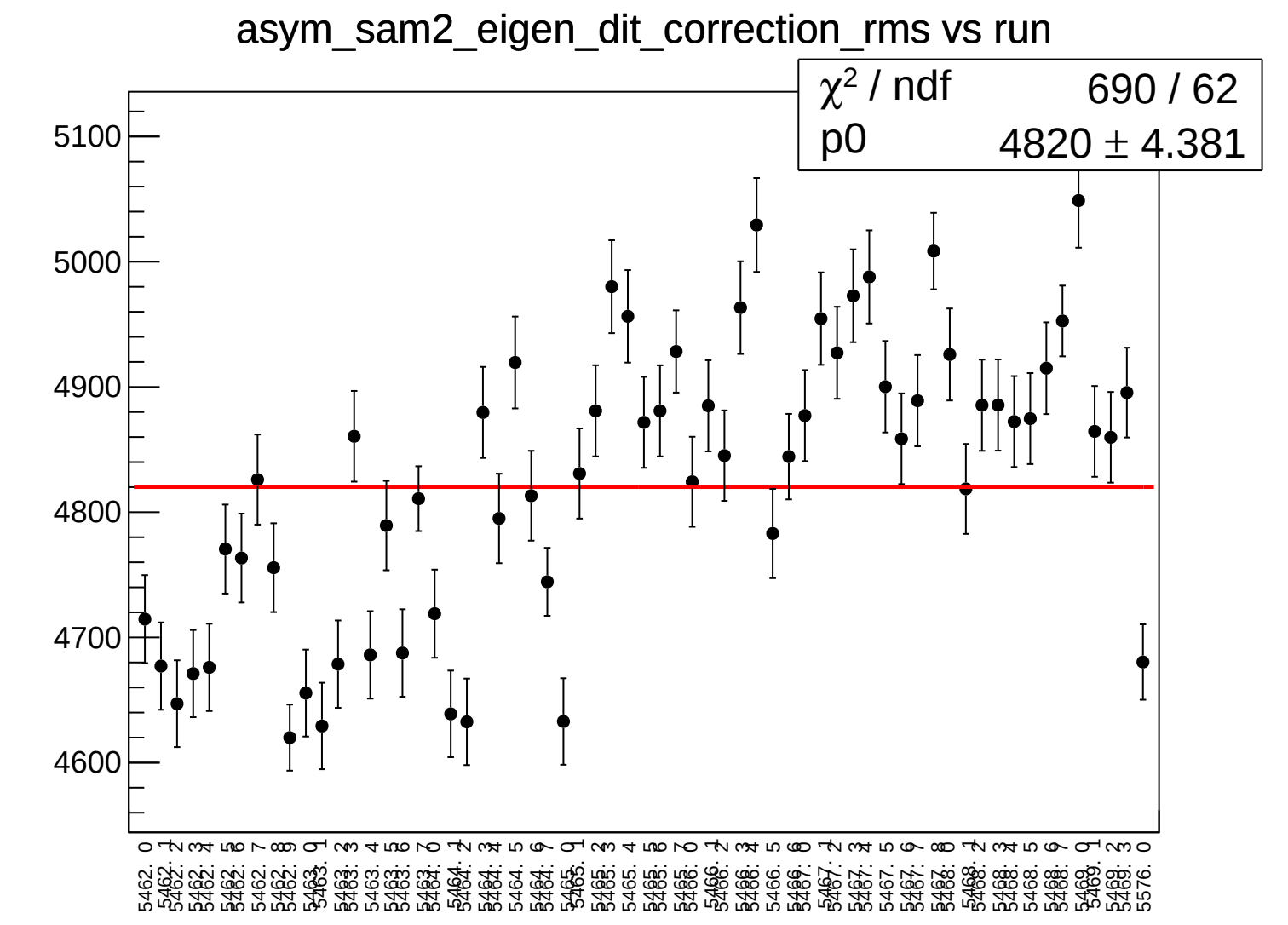

eigen_dit_asym_sam2_mean vs run
χ² / ndf 62.07 / 62
p0 89.8 ± 699.7
pull
Entries 63
Mean −108.6
Std Dev 0

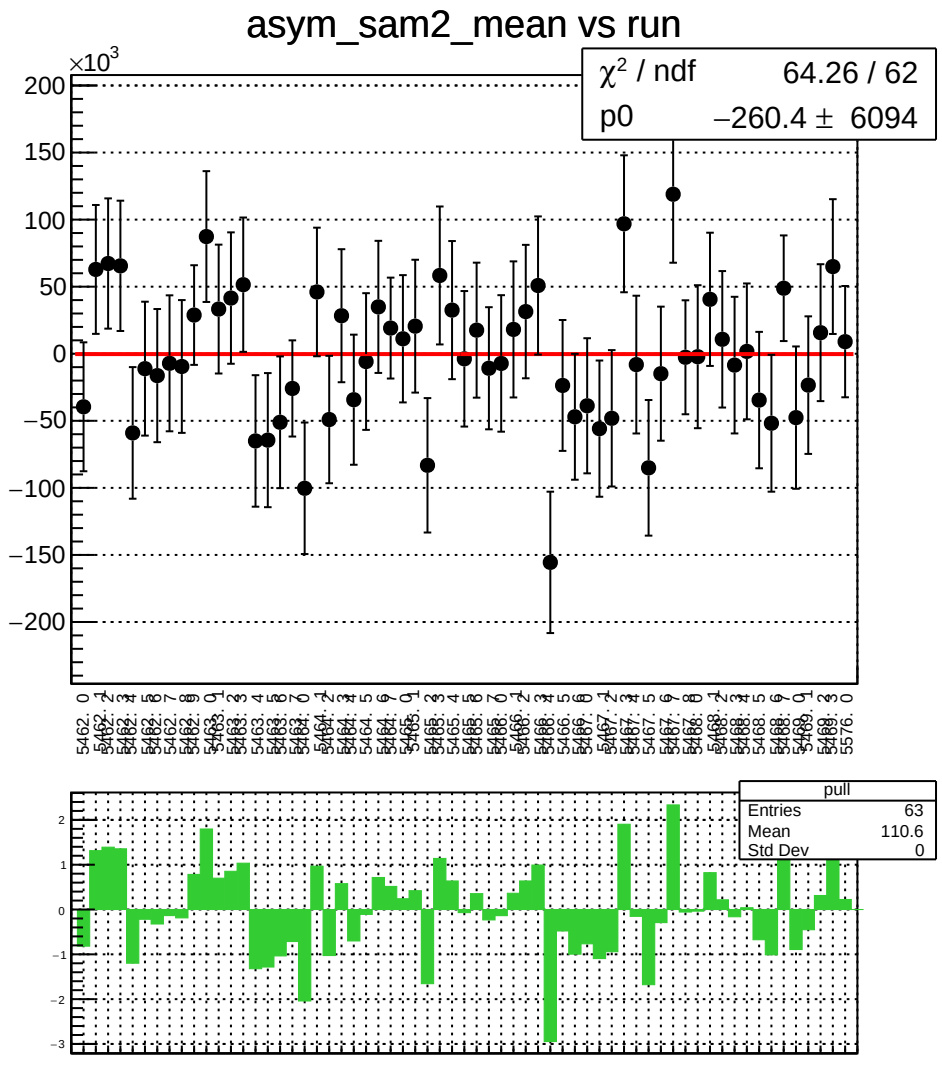

pull1D
Entries 63
Mean 0.01087
Std Dev 0.9926

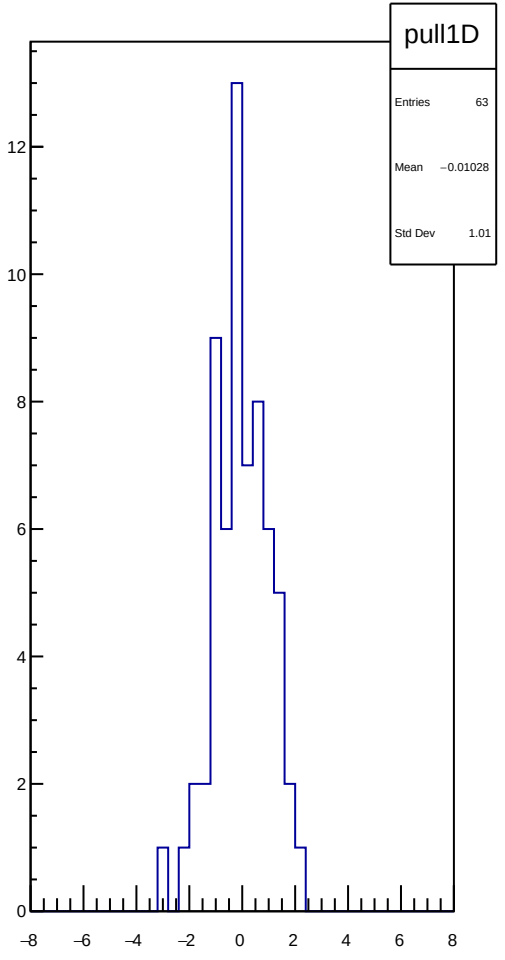

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1738 / 62
p0 544 ± 0.4947
600
580
560
540
520
500
480
460

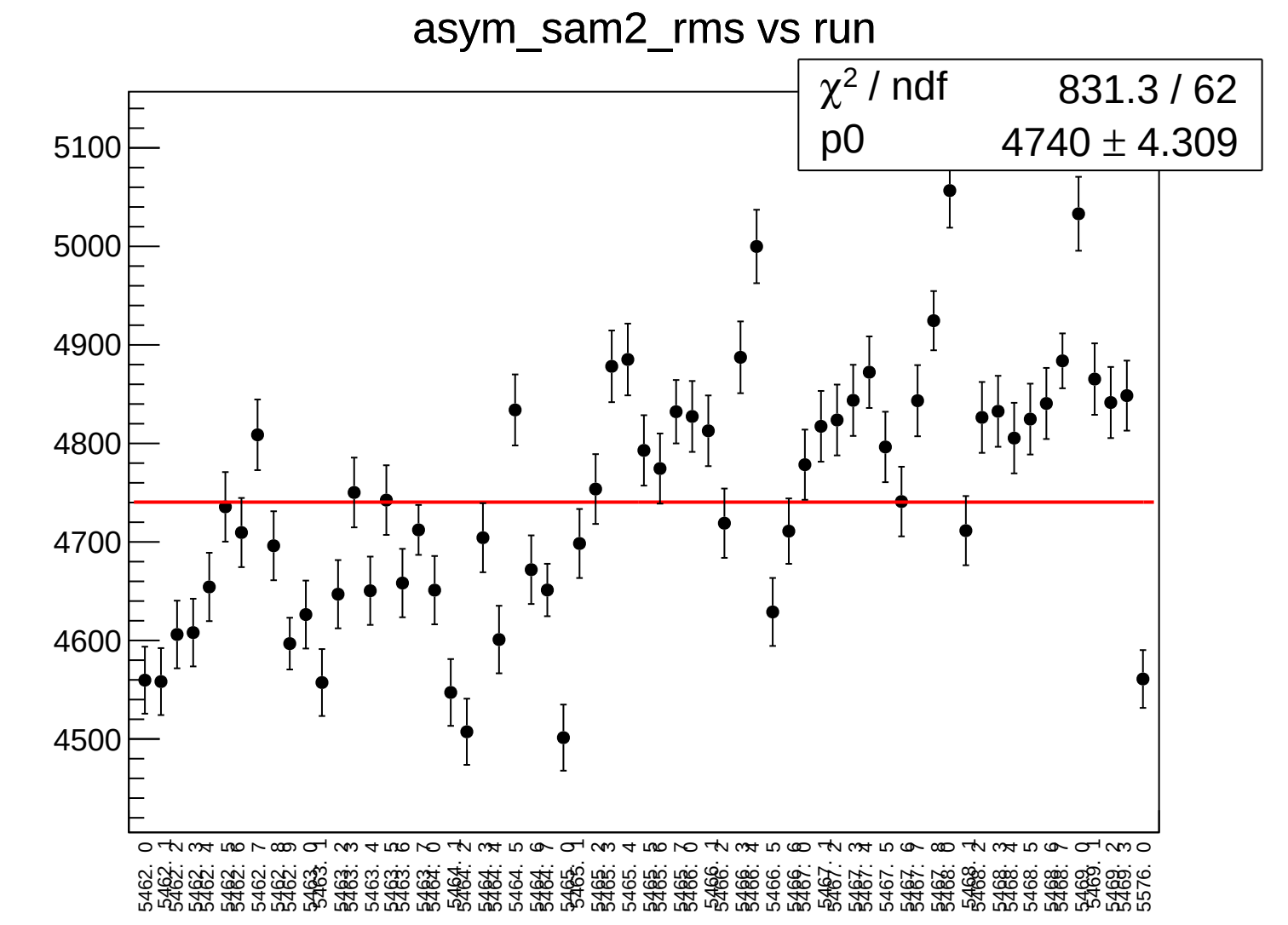

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 63.35 / 62
p0 353.8 ± 6196
pull
Entries 63
Mean 86.47
Std Dev 0

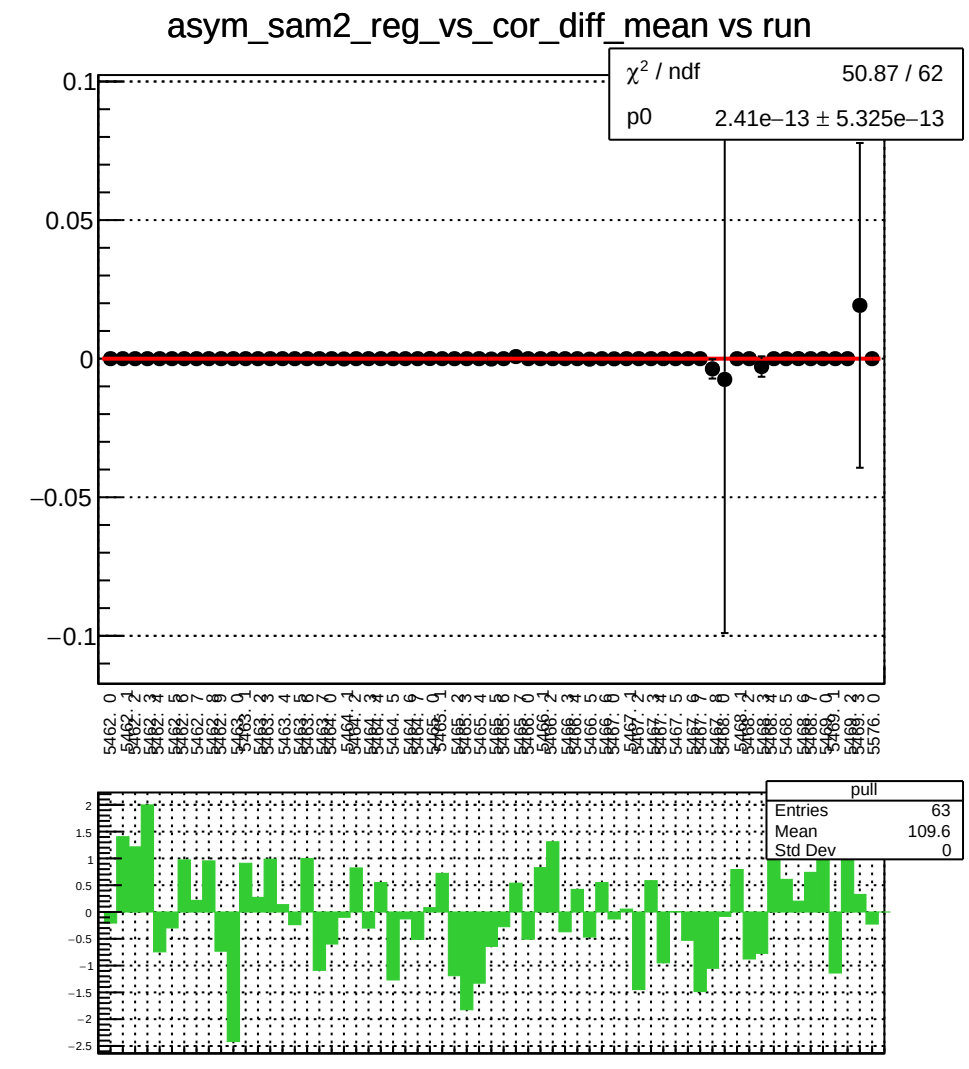

pull1D
Entries 63
Mean 0.01143
Std Dev 1.003

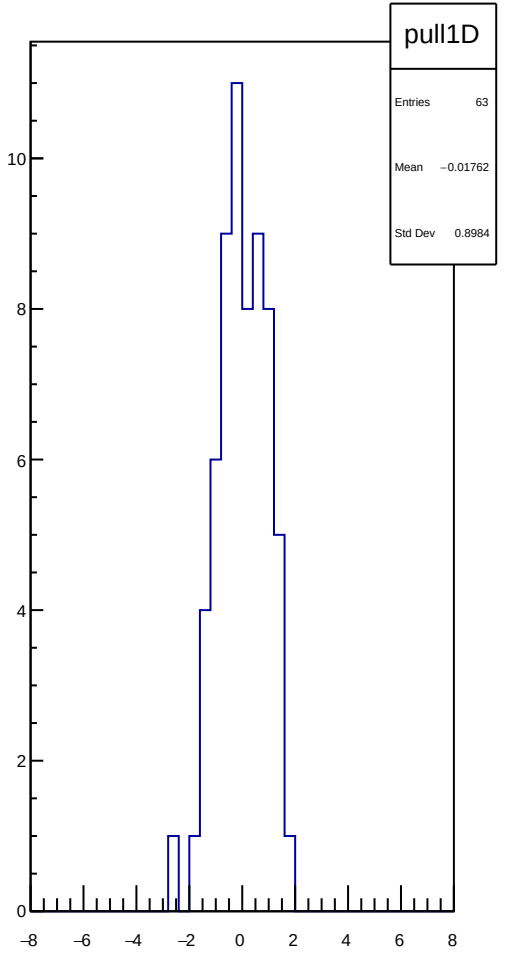

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 690 / 62
p0 4820 ± 4.381
5100
5000
4900
4800
4700
4600

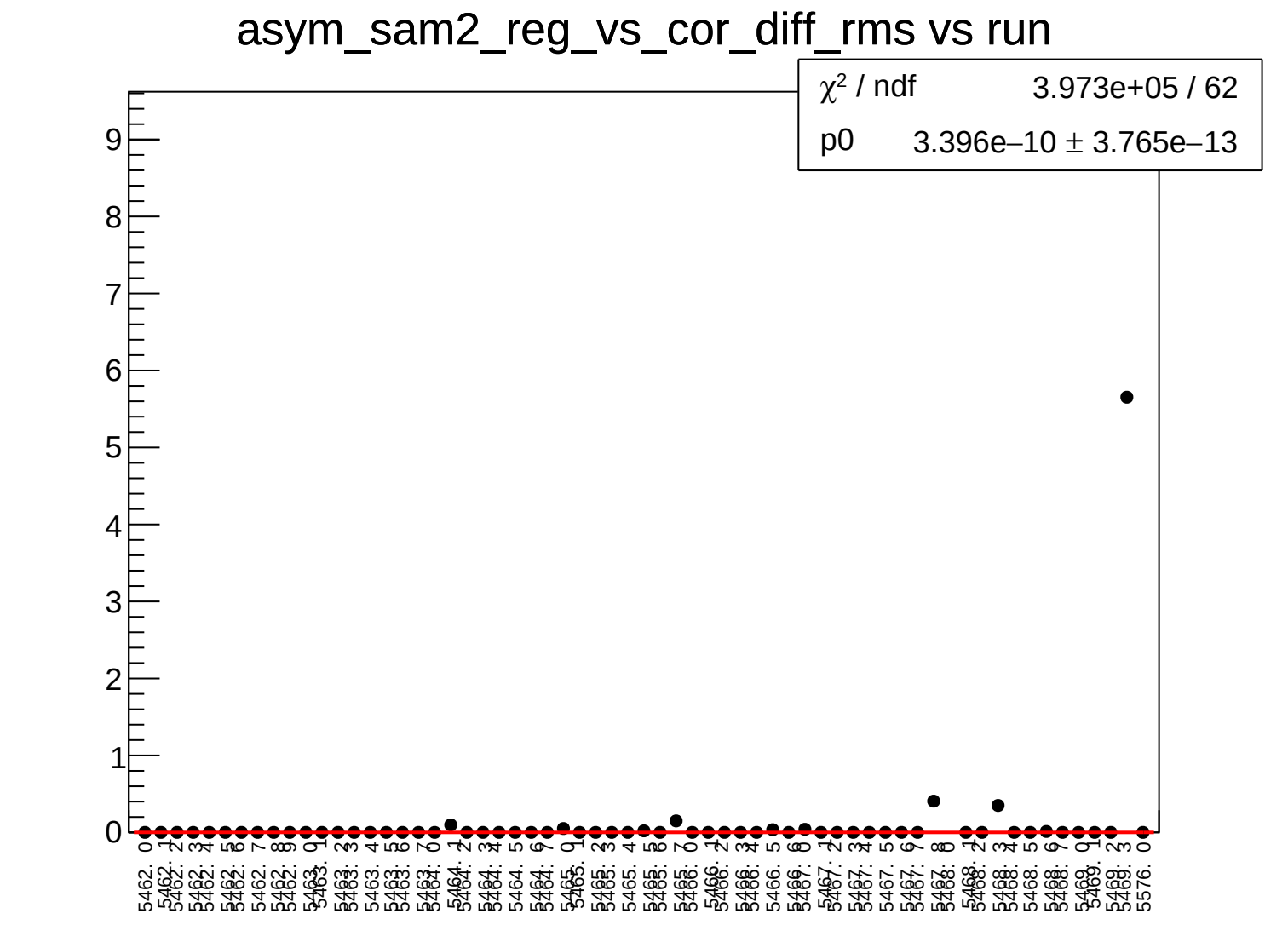

asym_sam2_mean vs run
×10^3
χ² / ndf 64.26 / 62
p0 −260.4 ± 6094
pull
Entries 63
Mean 110.6
Std Dev 0

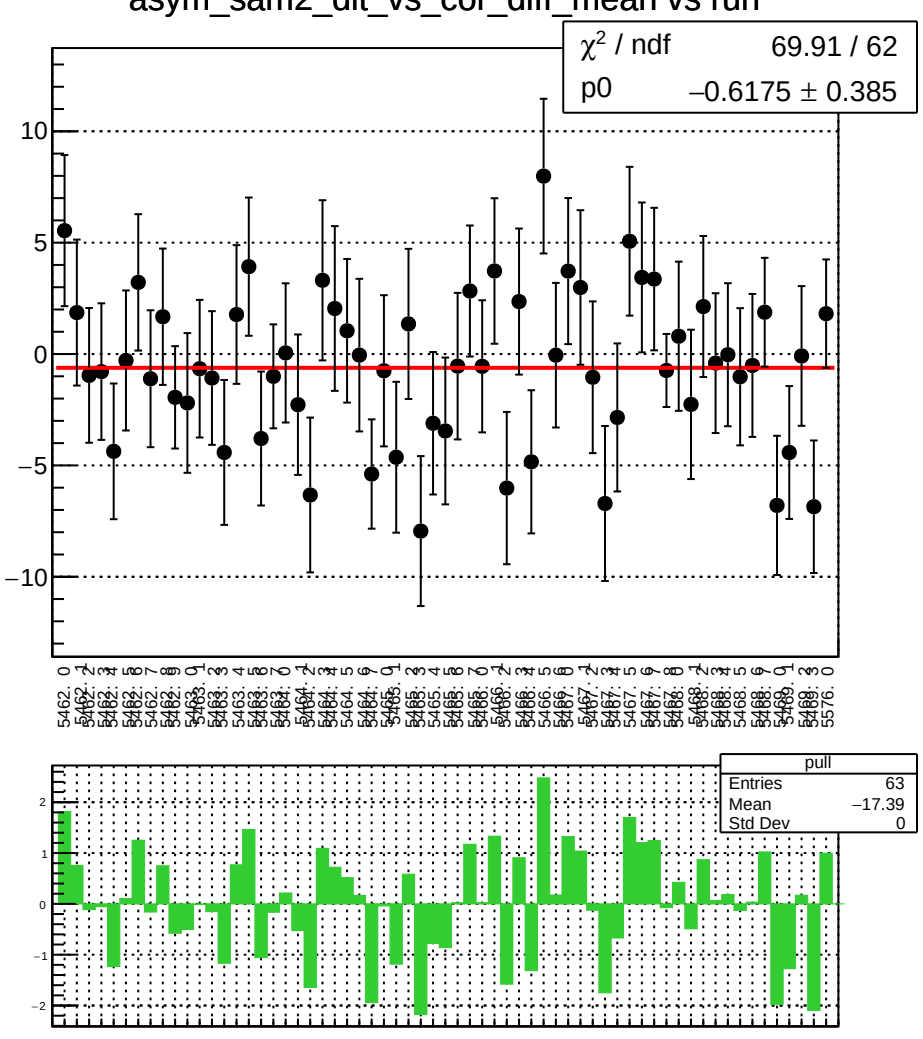

pull1D
Entries 63
Mean −0.01028
Std Dev 1.01

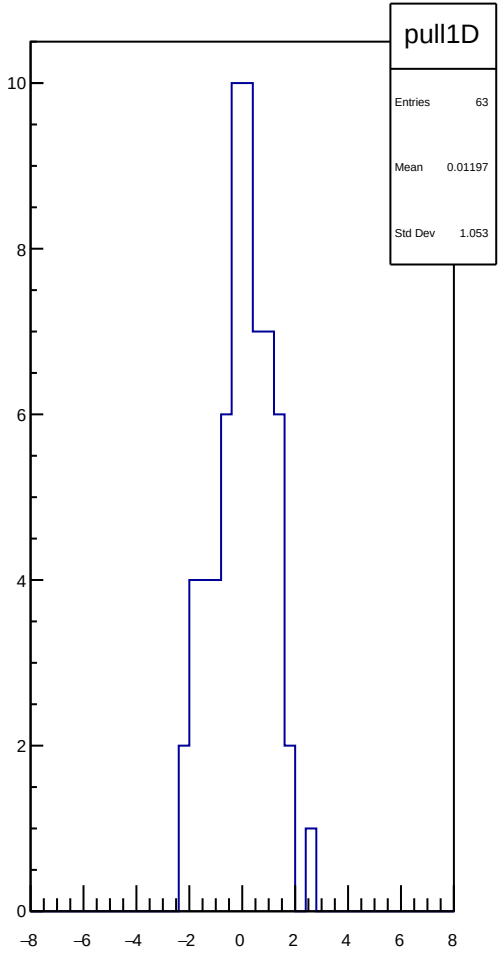

asym_sam2_rms vs run
χ^2 / ndf 831.3 / 62
p0 4740 ± 4.309
5100
5000
4900
4800
4700
4600
4500

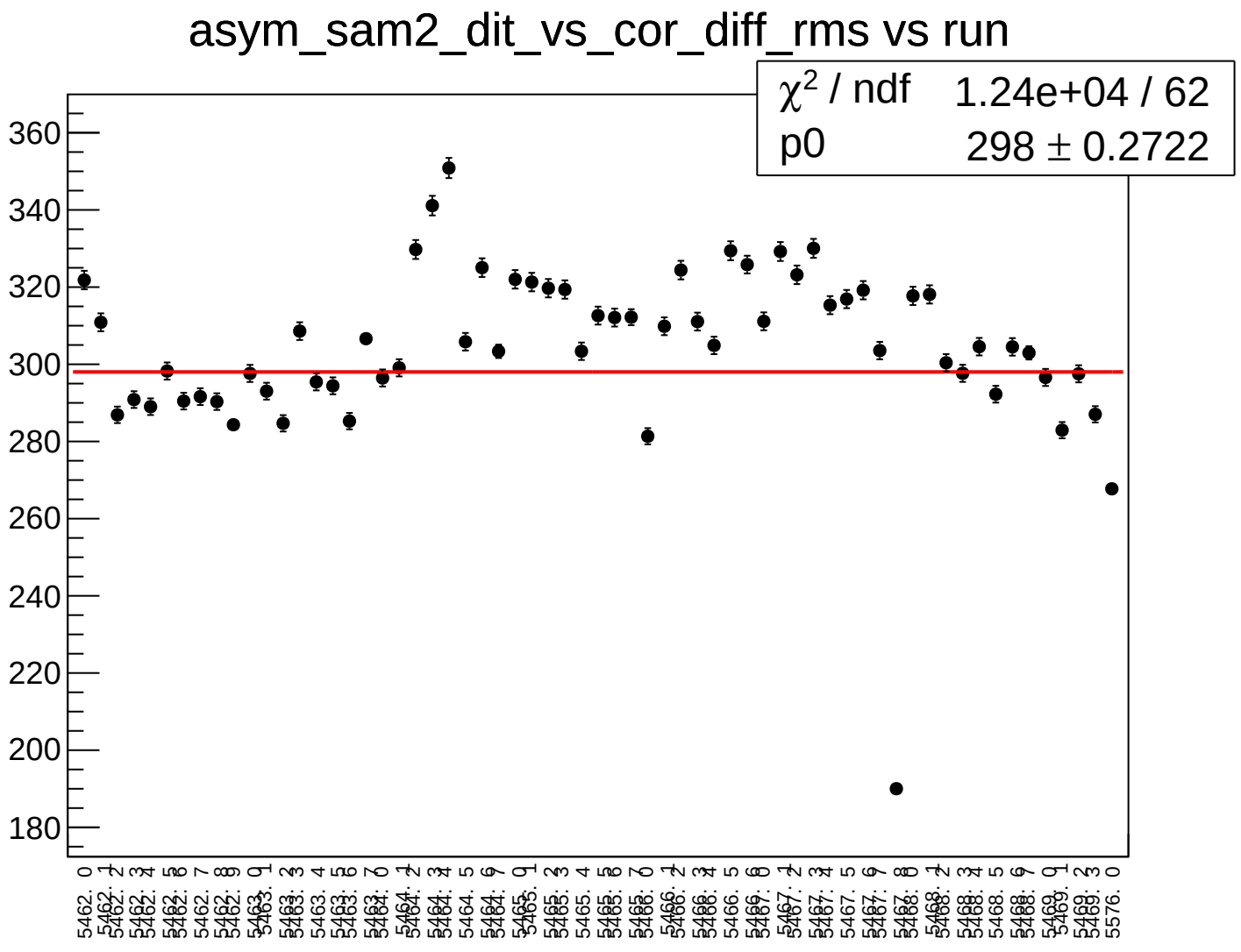

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 50.87 / 62
p0 2.41e−13 ± 5.325e−13
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean 109.6
Std Dev 0

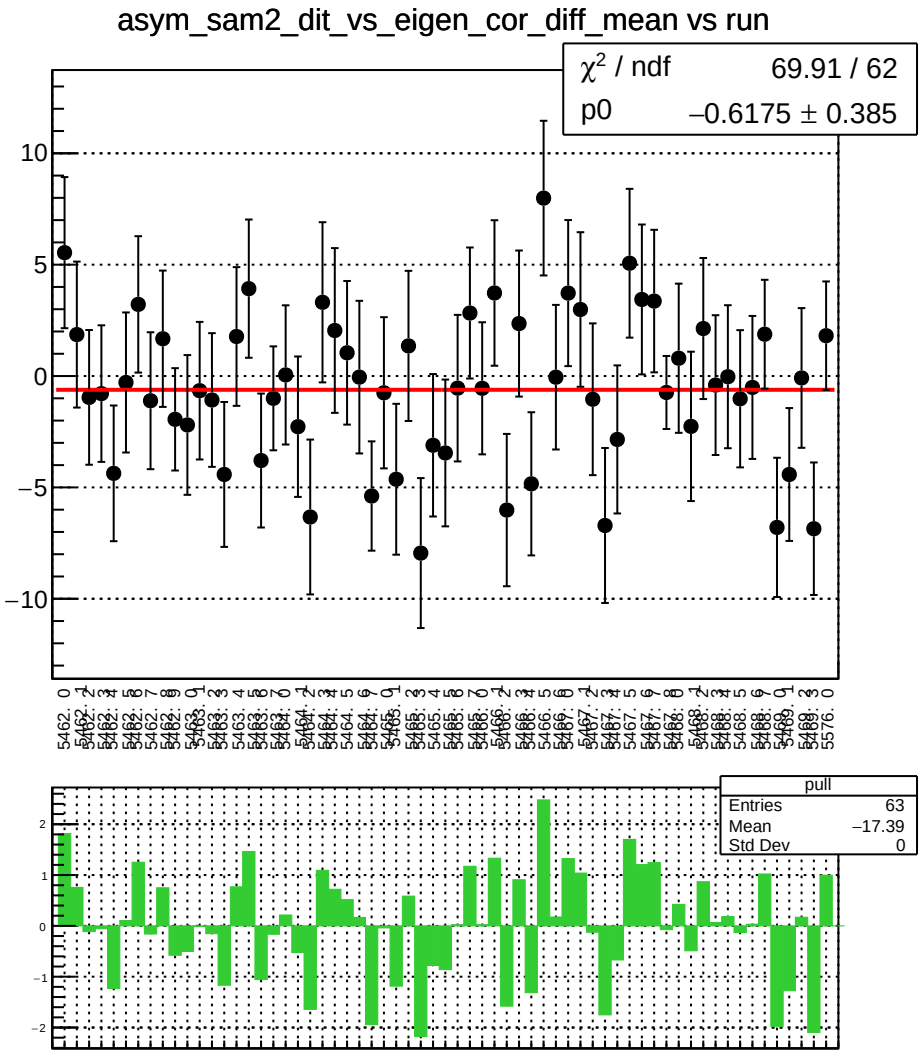

pull1D
Entries 63
Mean −0.01762
Std Dev 0.8984
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

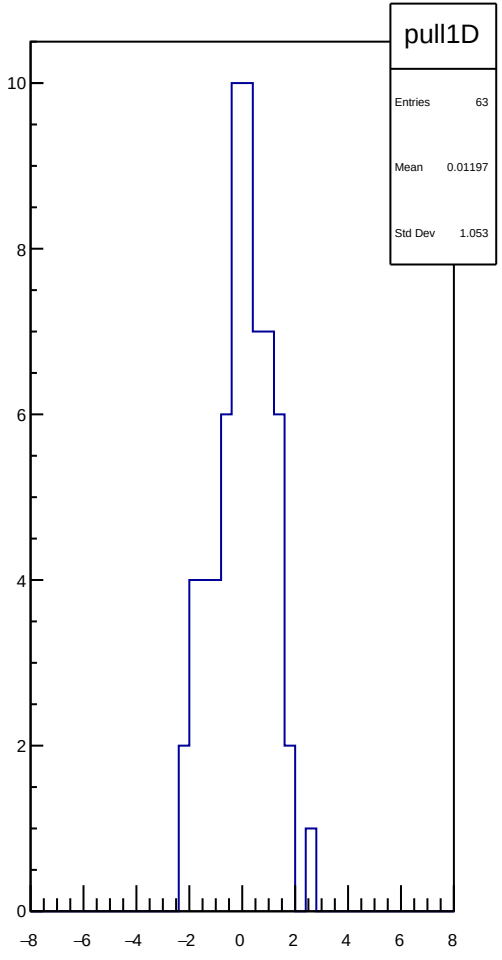

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 3.973e+05 / 62
p0 3.396e−10 ± 3.765e−13
0
1
2
3
4
5
6
7
8
9

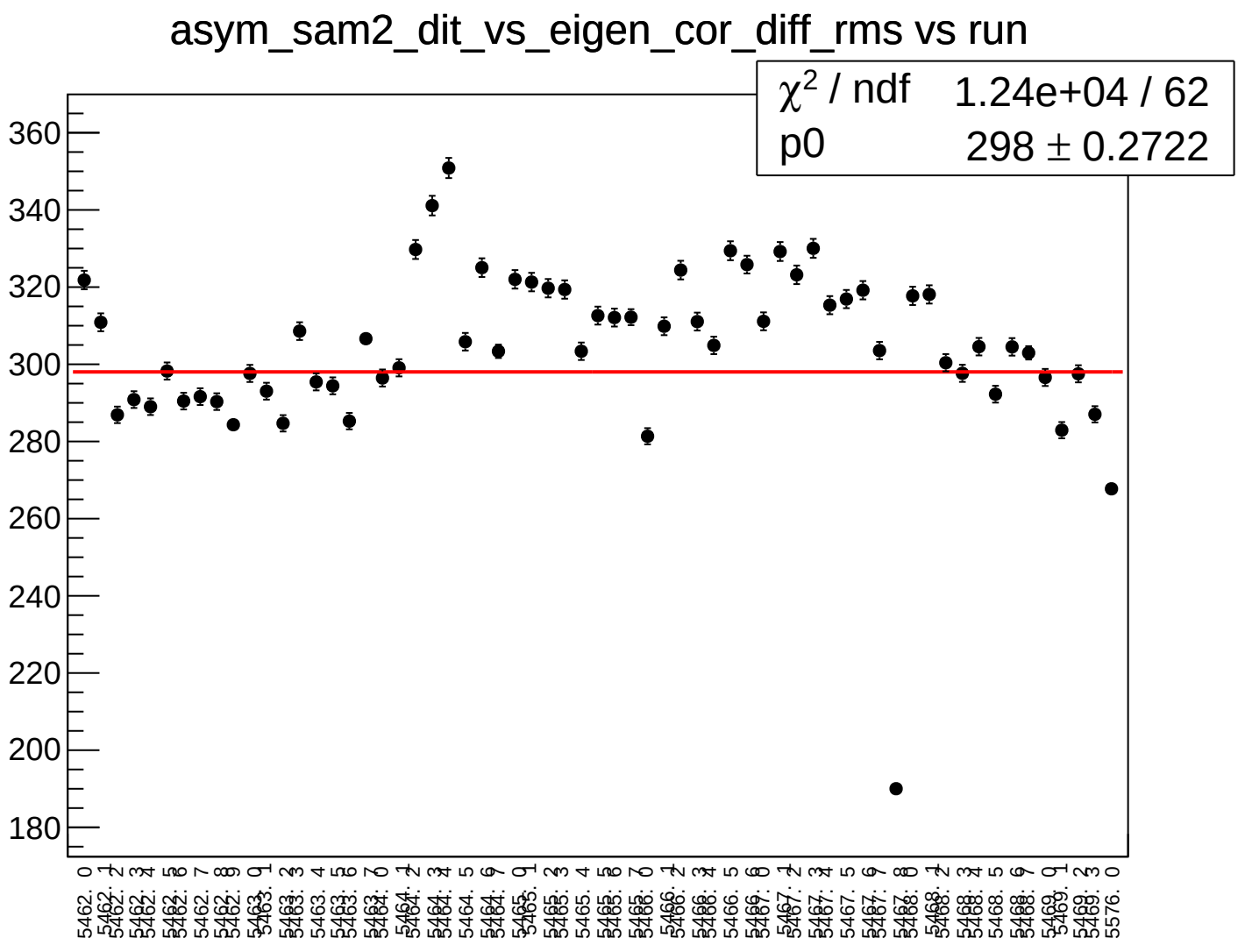

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 69.91 / 62
p0 –0.6175 ± 0.385
pull
Entries 63
Mean –17.39
Std Dev 0

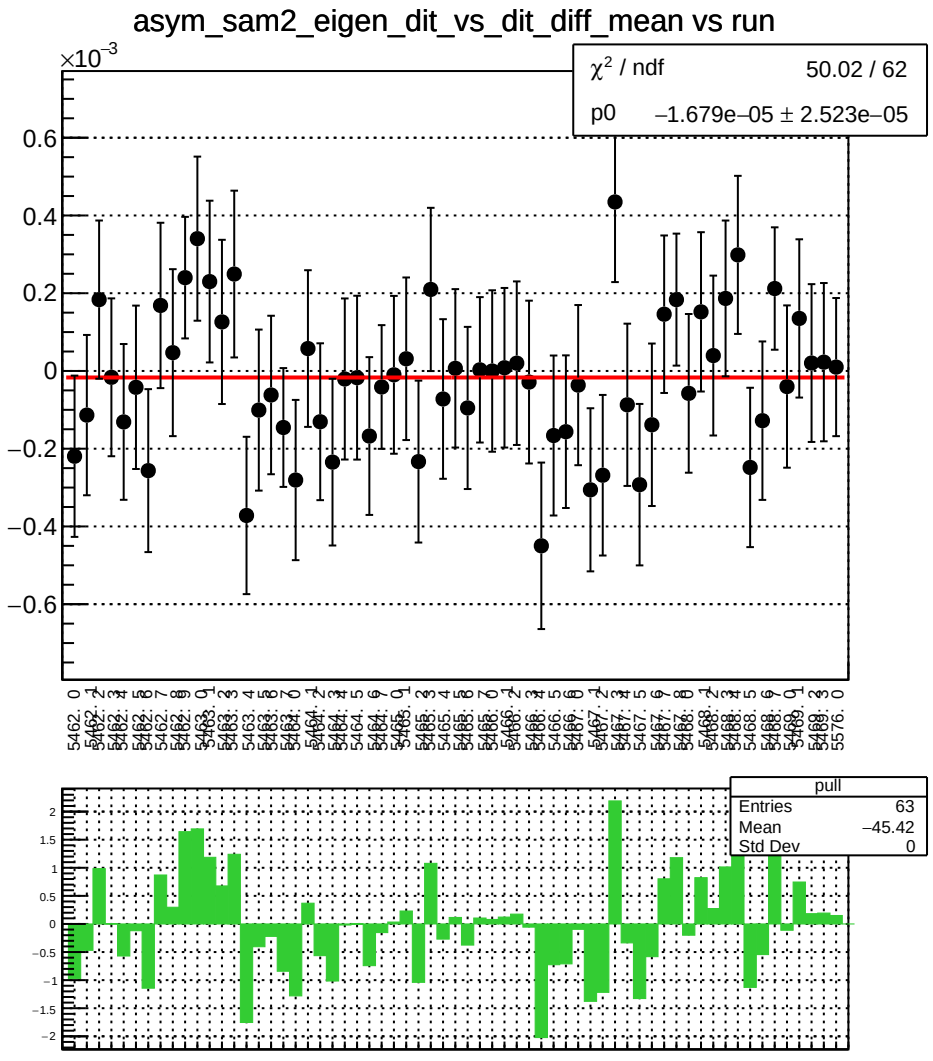

pull1D
Entries 63
Mean 0.01197
Std Dev 1.053

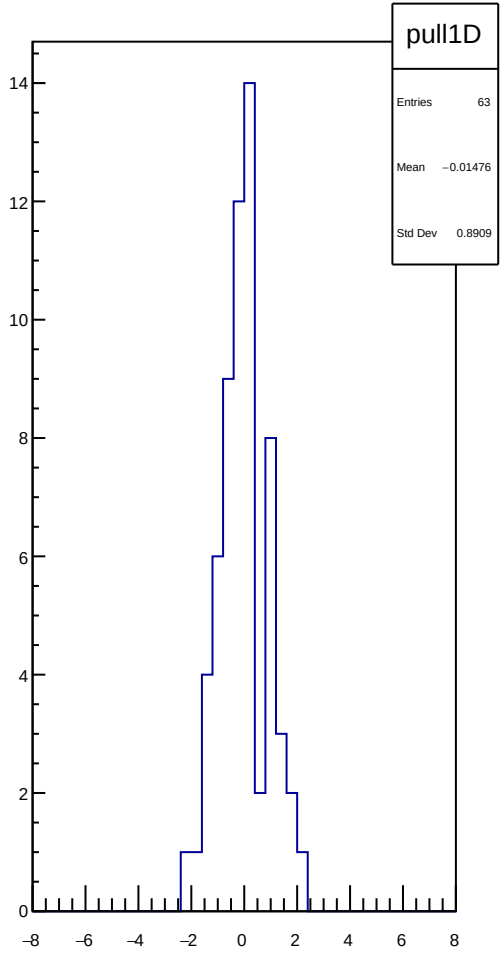

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.24e+04 / 62
p0 298 ± 0.2722
360
340
320
300
280
260
240
220
200
180

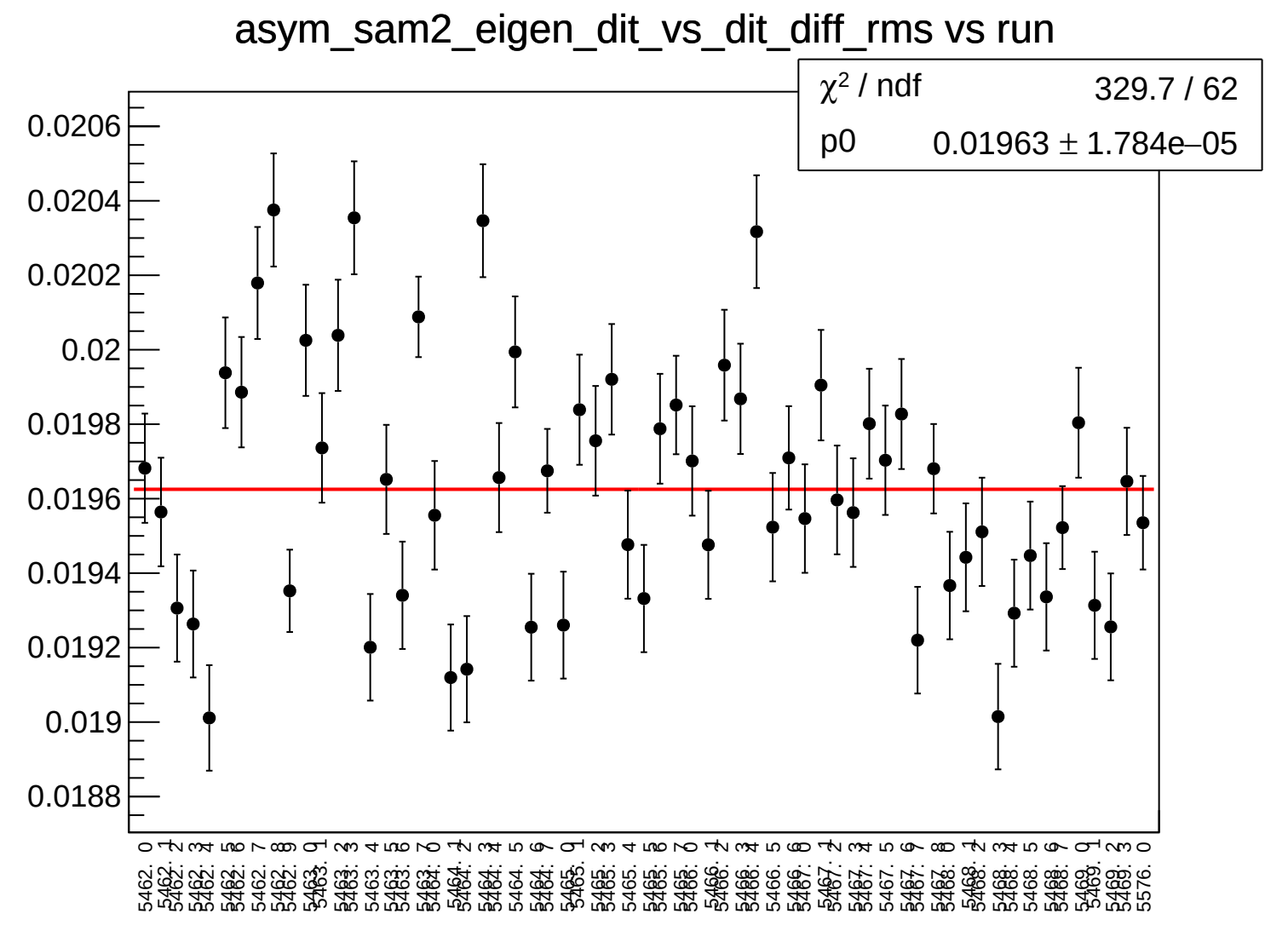

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.91 / 62
p0 −0.6175 ± 0.385
pull
Entries 63
Mean −17.39
Std Dev 0

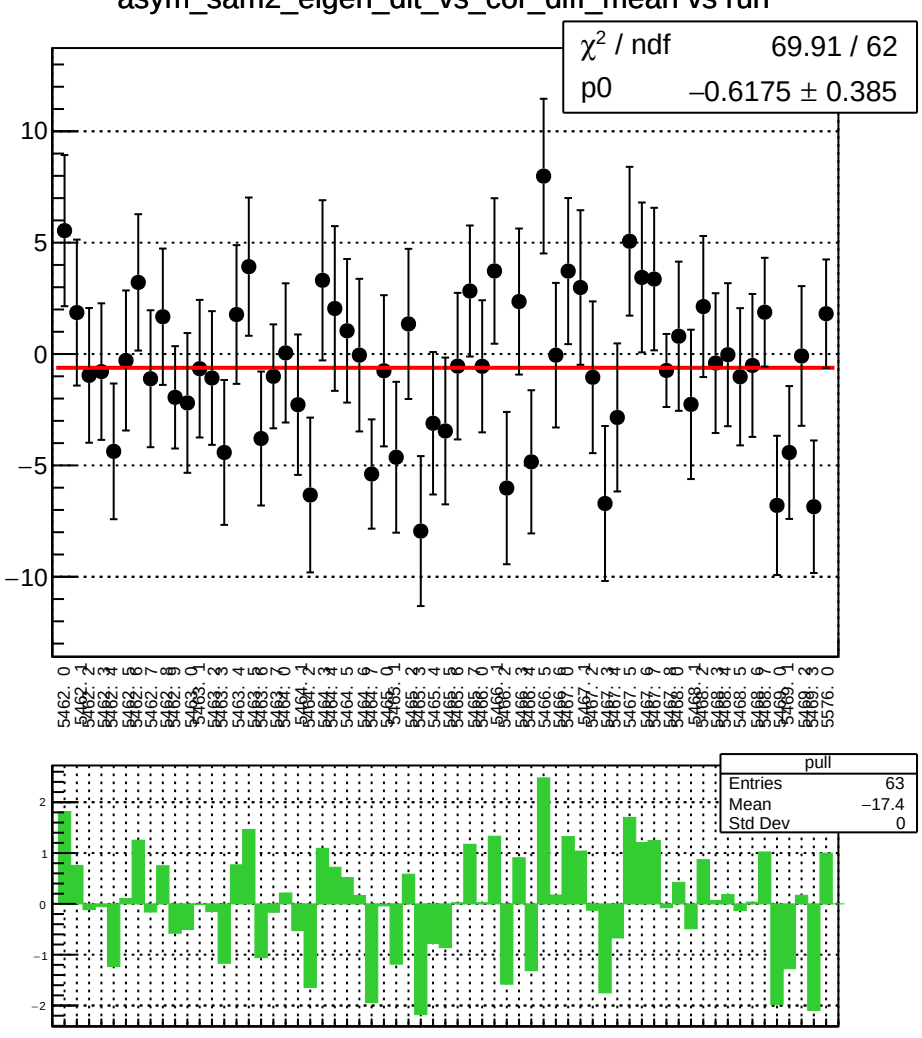

pull1D
Entries 63
Mean 0.01197
Std Dev 1.053

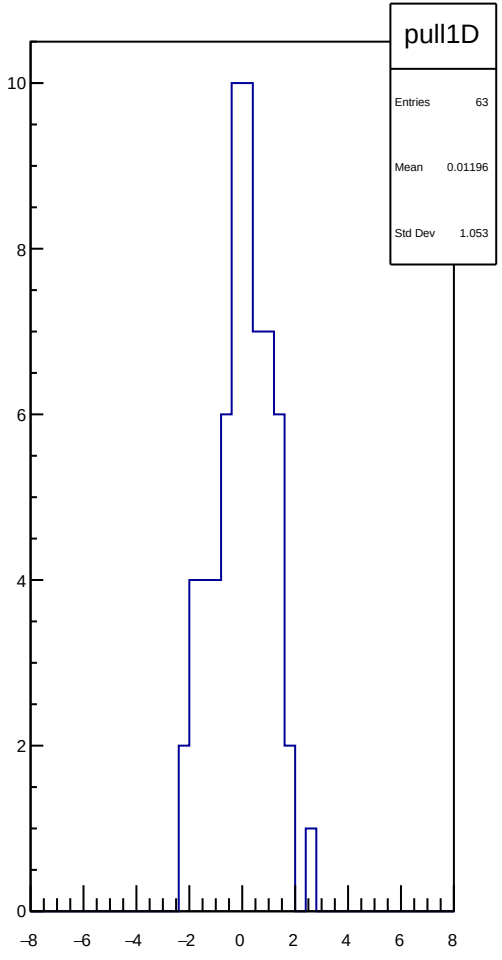

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.24e+04 / 62
p0 298 ± 0.2722
360
340
320
300
280
260
240
220
200
180

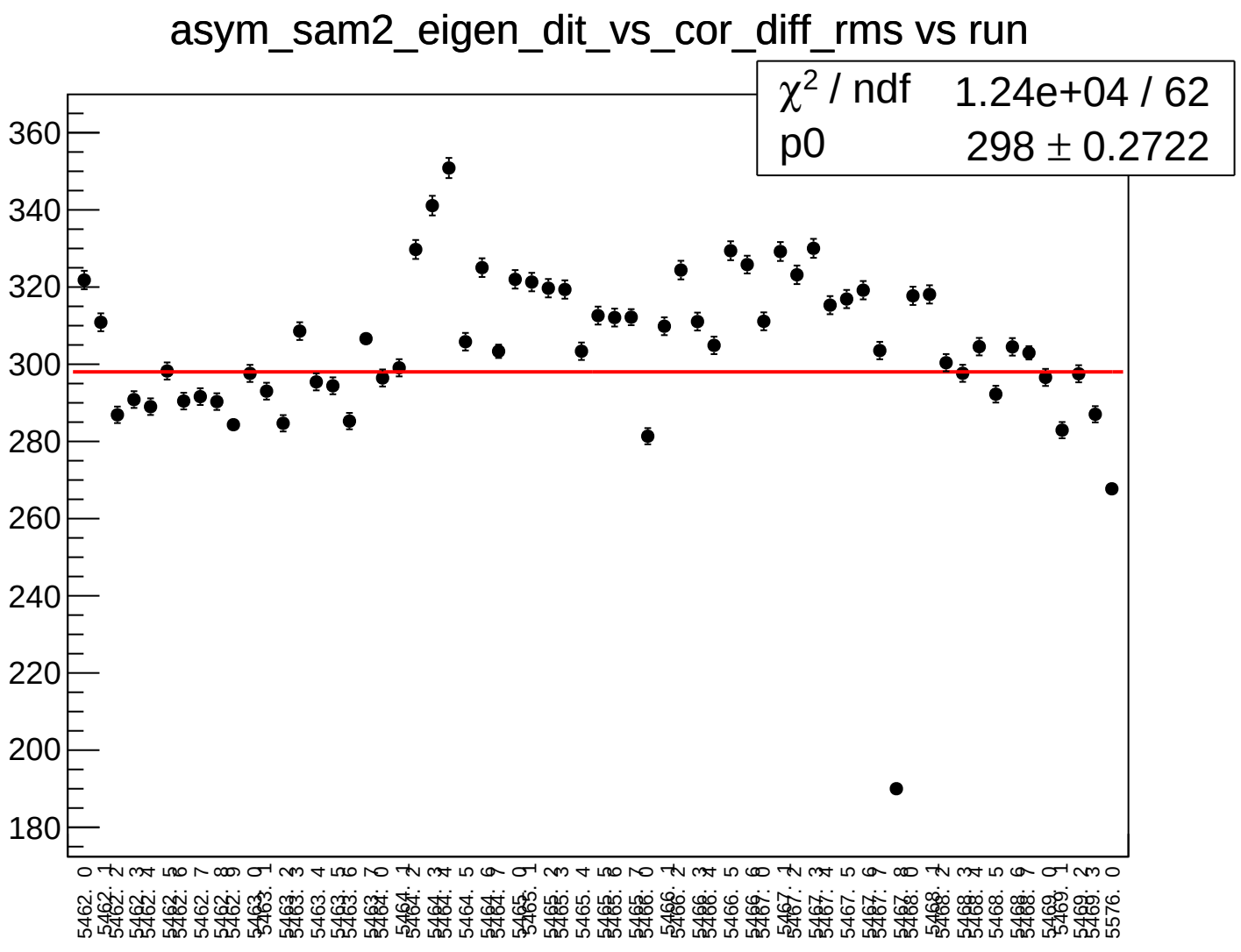

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.02 / 62
p0 −1.679e−05 ± 2.523e−05
pull
Entries 63
Mean −45.42
Std Dev 0

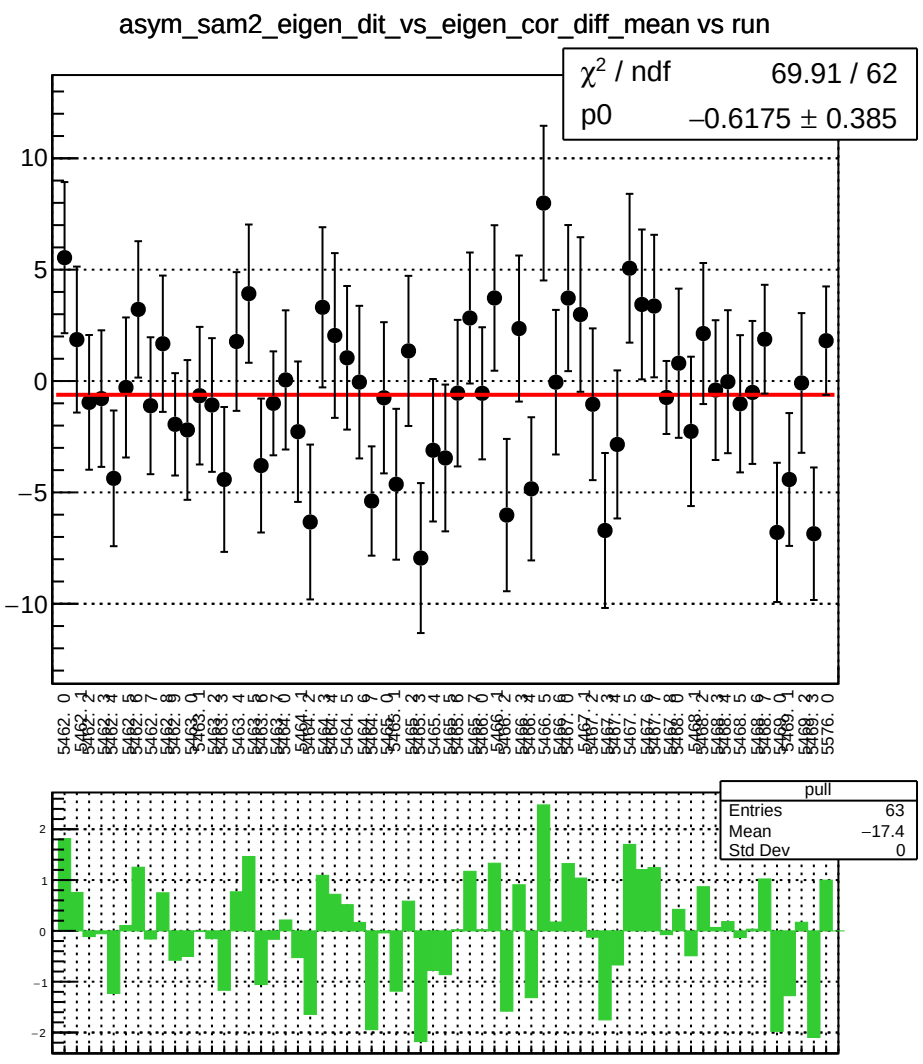

pull1D
Entries 63
Mean −0.01476
Std Dev 0.8909

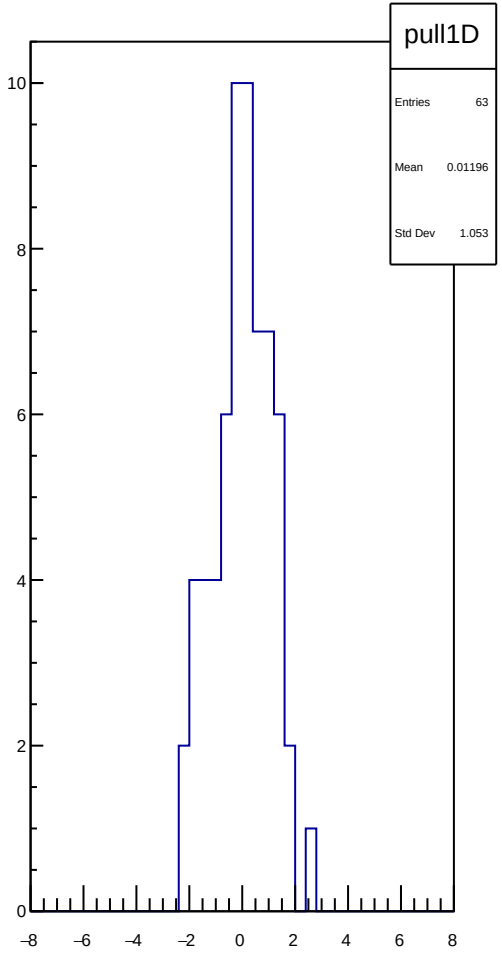

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 329.7 / 62
p0 0.01963 ± 1.784e−05
0.0206
0.0204
0.0202
0.02
0.0198
0.0196
0.0194
0.0192
0.019
0.0188

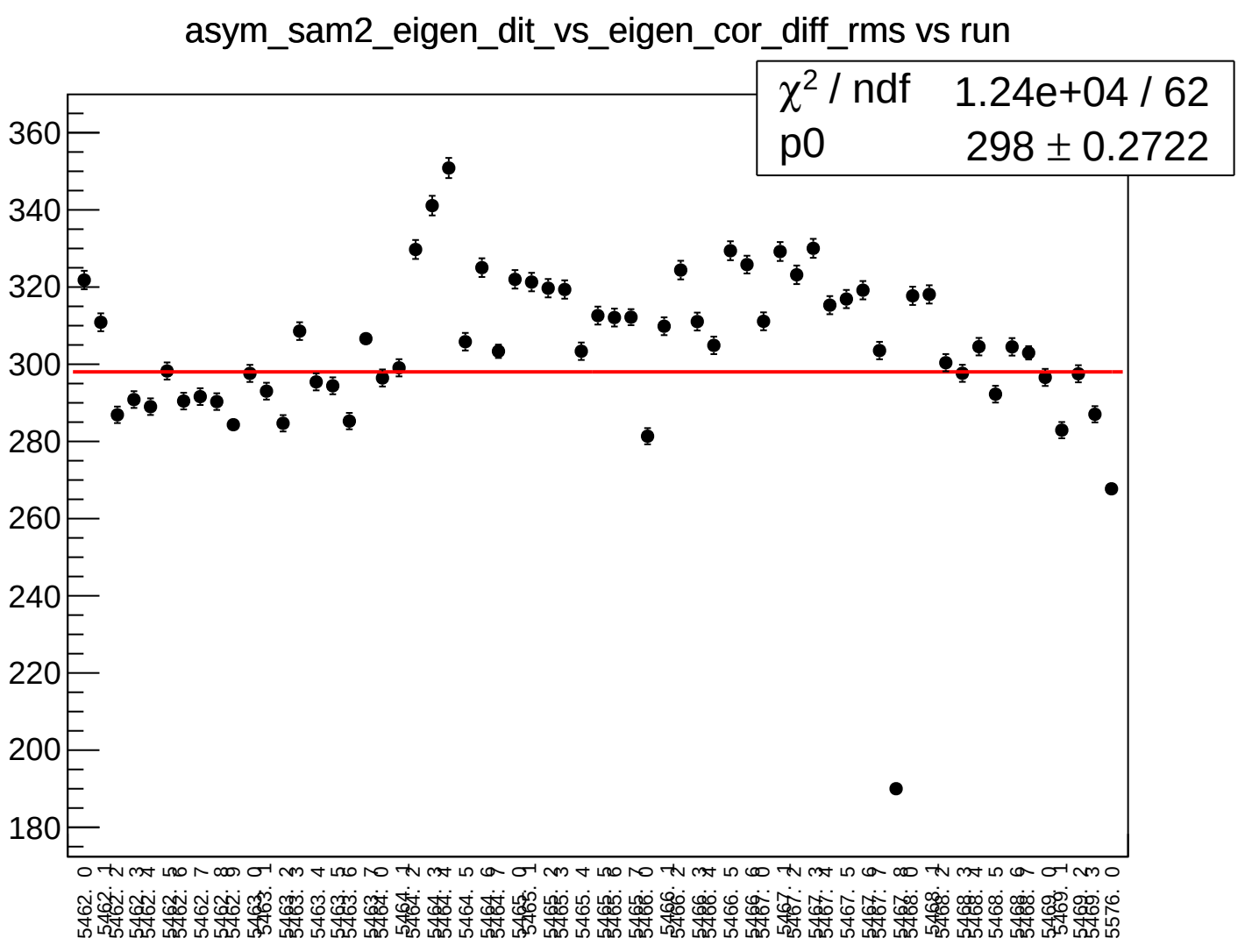

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.91 / 62
p0 −0.6175 ± 0.385
pull
Entries 63
Mean −17.4
Std Dev 0

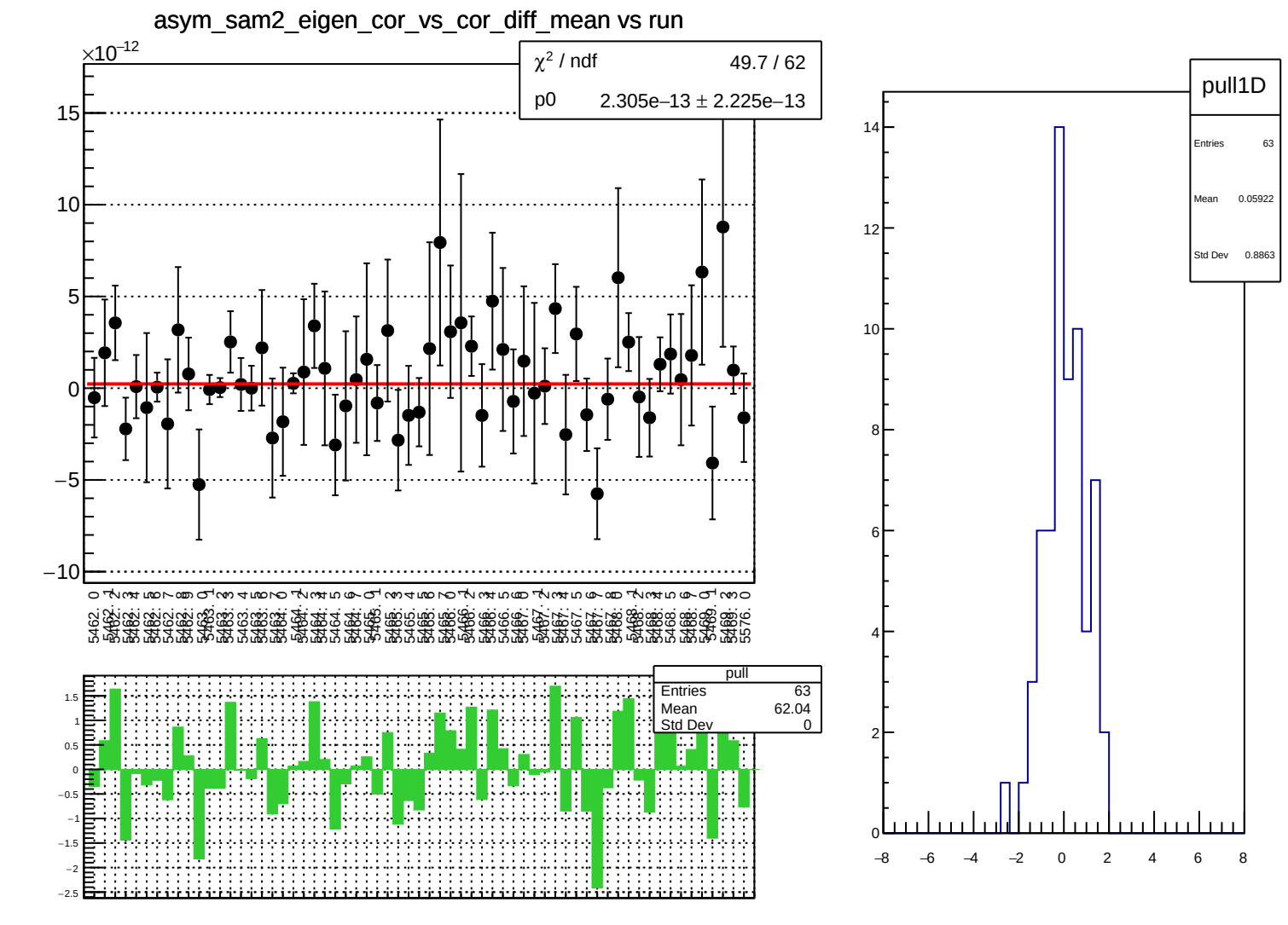

pull1D
Entries 63
Mean 0.01196
Std Dev 1.053

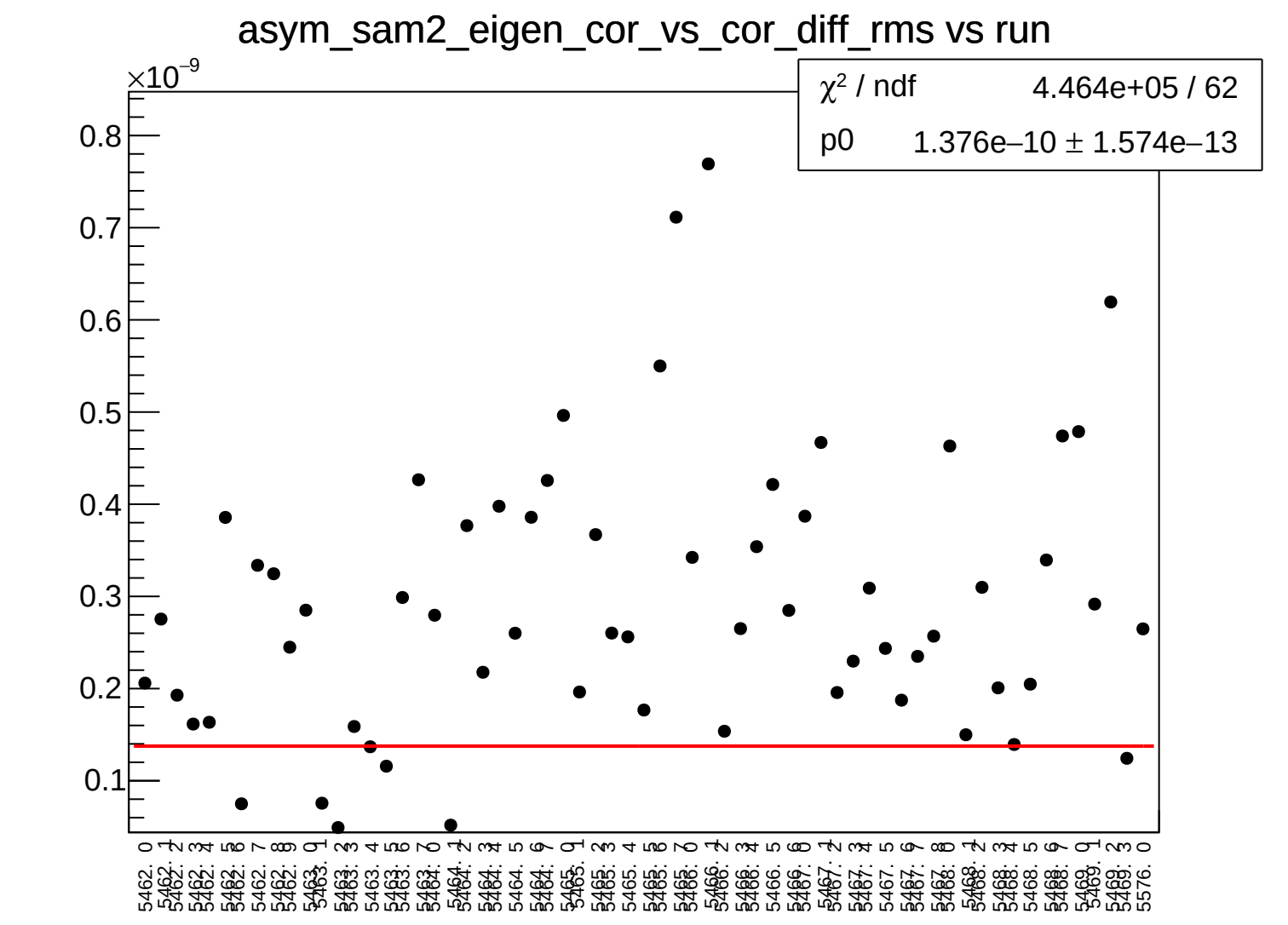

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.24e+04 / 62
p0 298 ± 0.2722
360
340
320
300
280
260
240
220
200
180

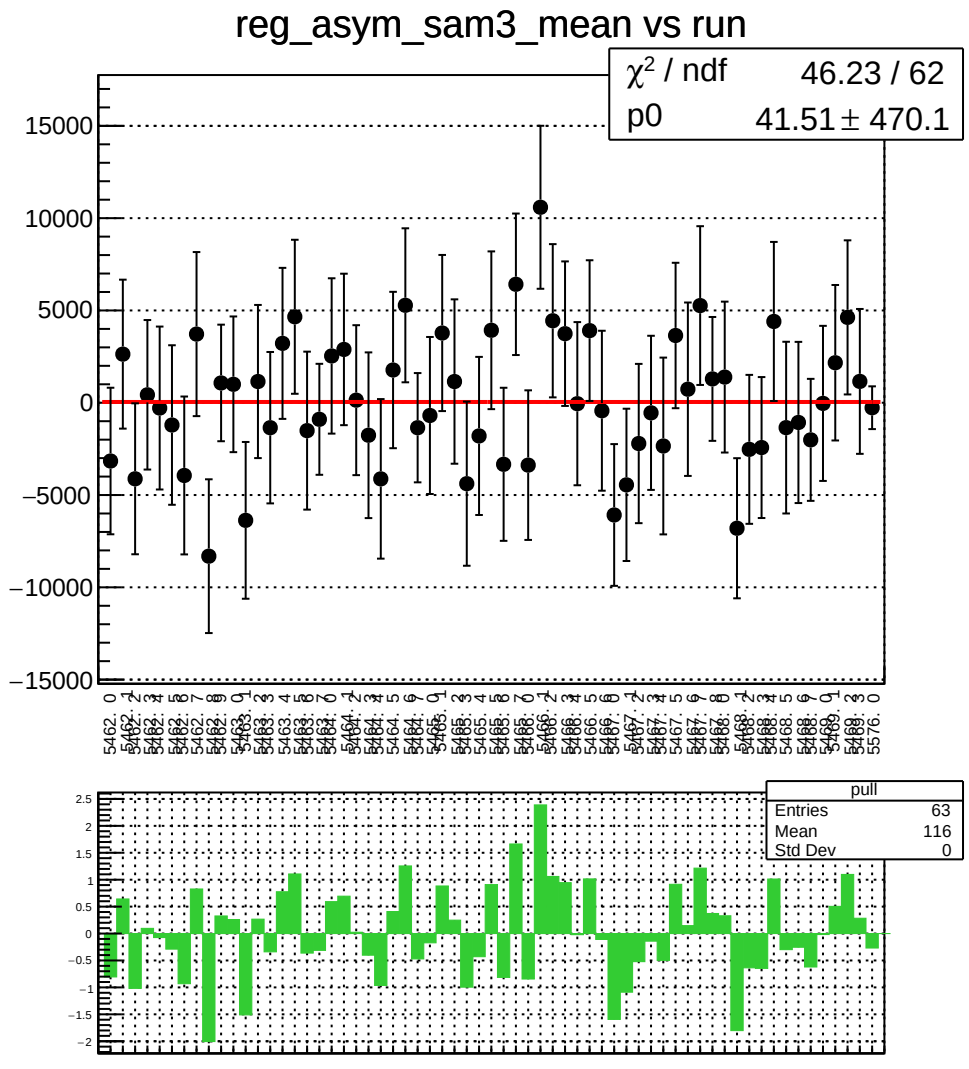

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.91 / 62
p0 −0.6175 ± 0.385
pull
Entries 63
Mean −17.4
Std Dev 0

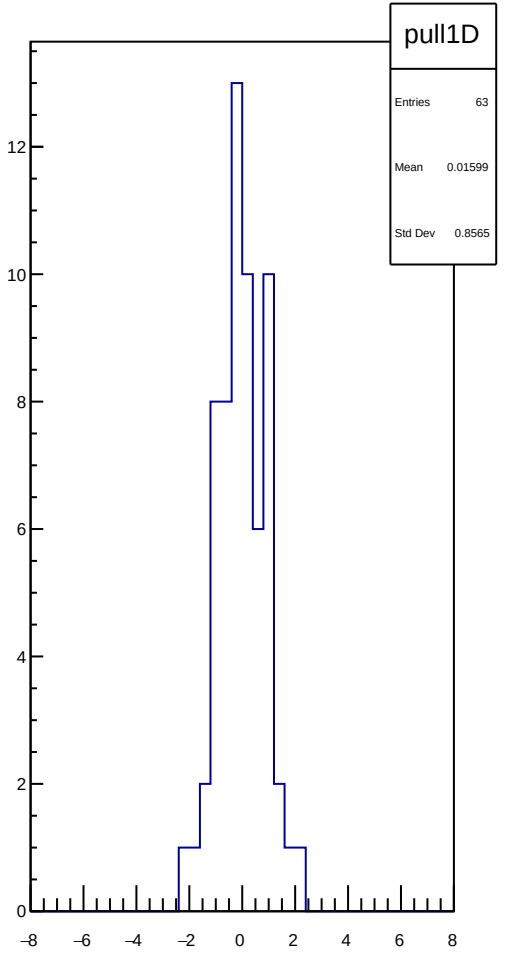

pull1D
Entries 63
Mean 0.01196
Std Dev 1.053

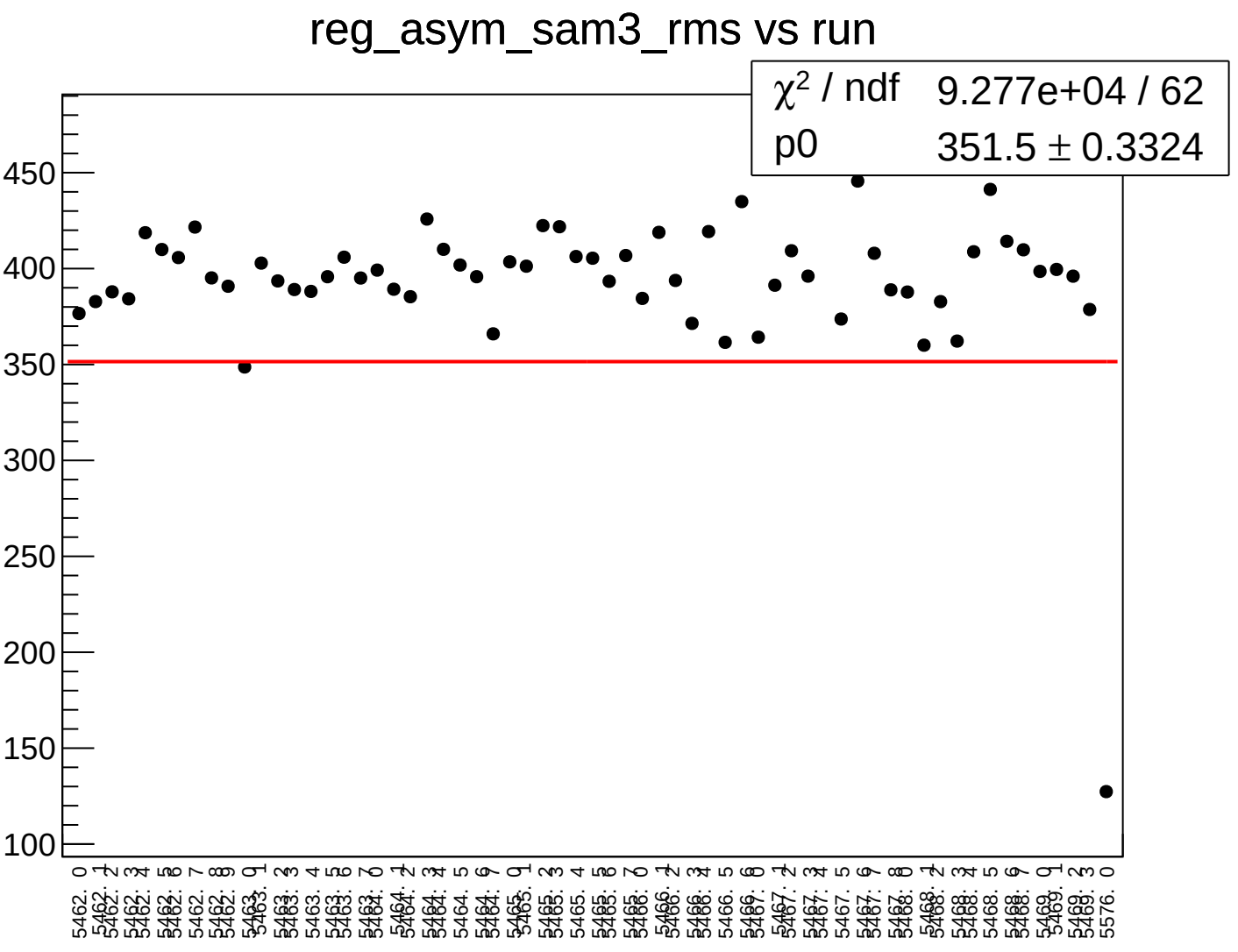

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.24e+04 / 62
p0 298 ± 0.2722
360
340
320
300
280
260
240
220
200
180


asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.7 / 62
p0 2.305e−13 ± 2.225e−13
pull
Entries 63
Mean 62.04
Std Dev 0
pull1D
Entries 63
Mean 0.05922
Std Dev 0.8863


asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.464e+05 / 62
p0 1.376e−10 ± 1.574e−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 46.23 / 62
p0 41.51 ± 470.1
pull
Entries 63
Mean 116
Std Dev 0


pull1D
Entries 63
Mean 0.01599
Std Dev 0.8565


reg_asym_sam3_rms vs run
χ² / ndf 9.277e+04 / 62
p0 351.5 ± 0.3324
450
400
350
300
250
200
150
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
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5464. 6
5464. 7
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5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
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5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
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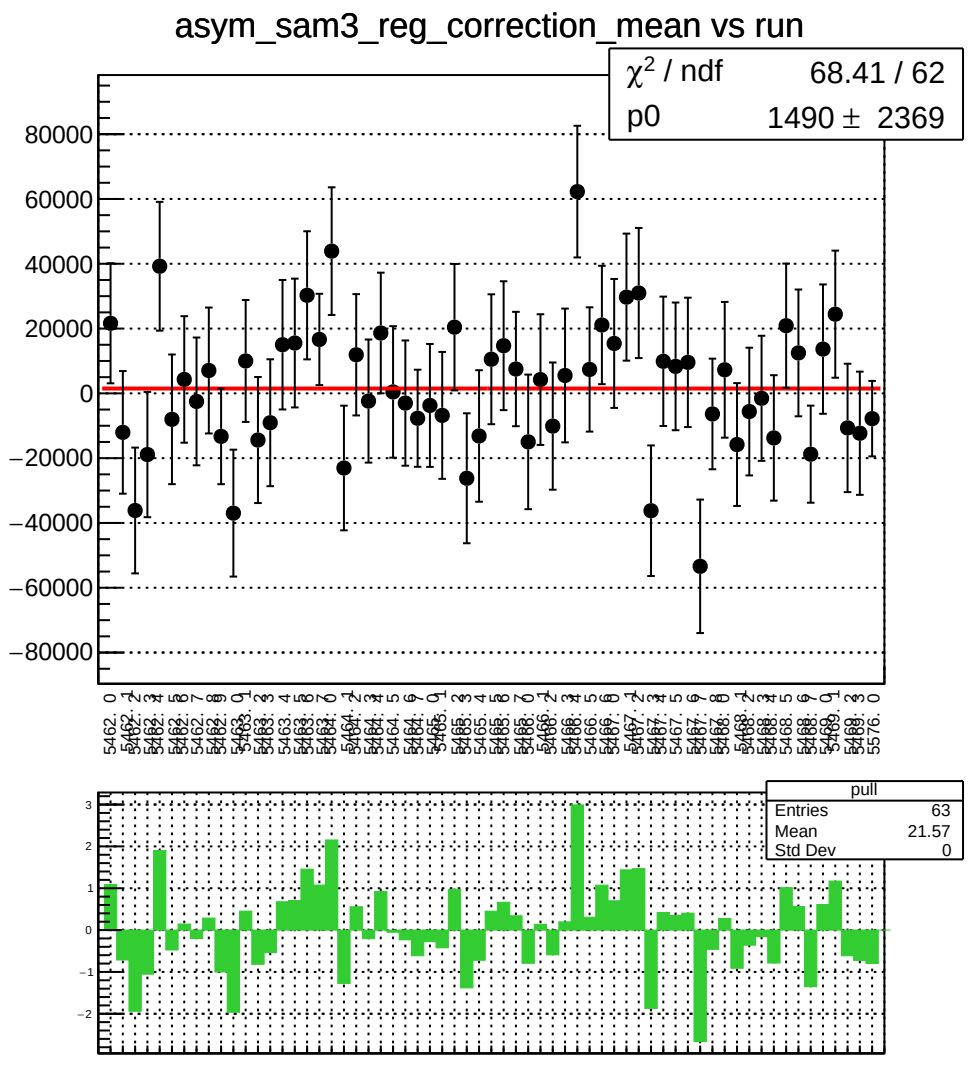
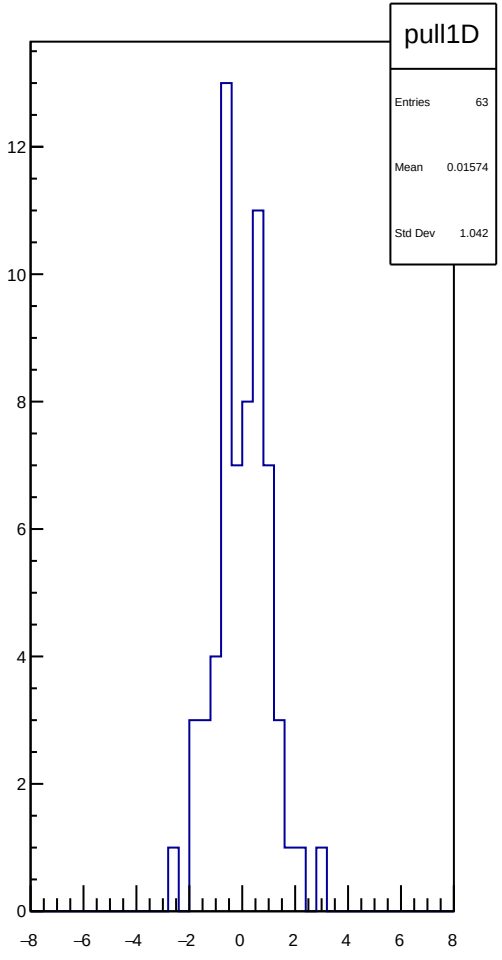
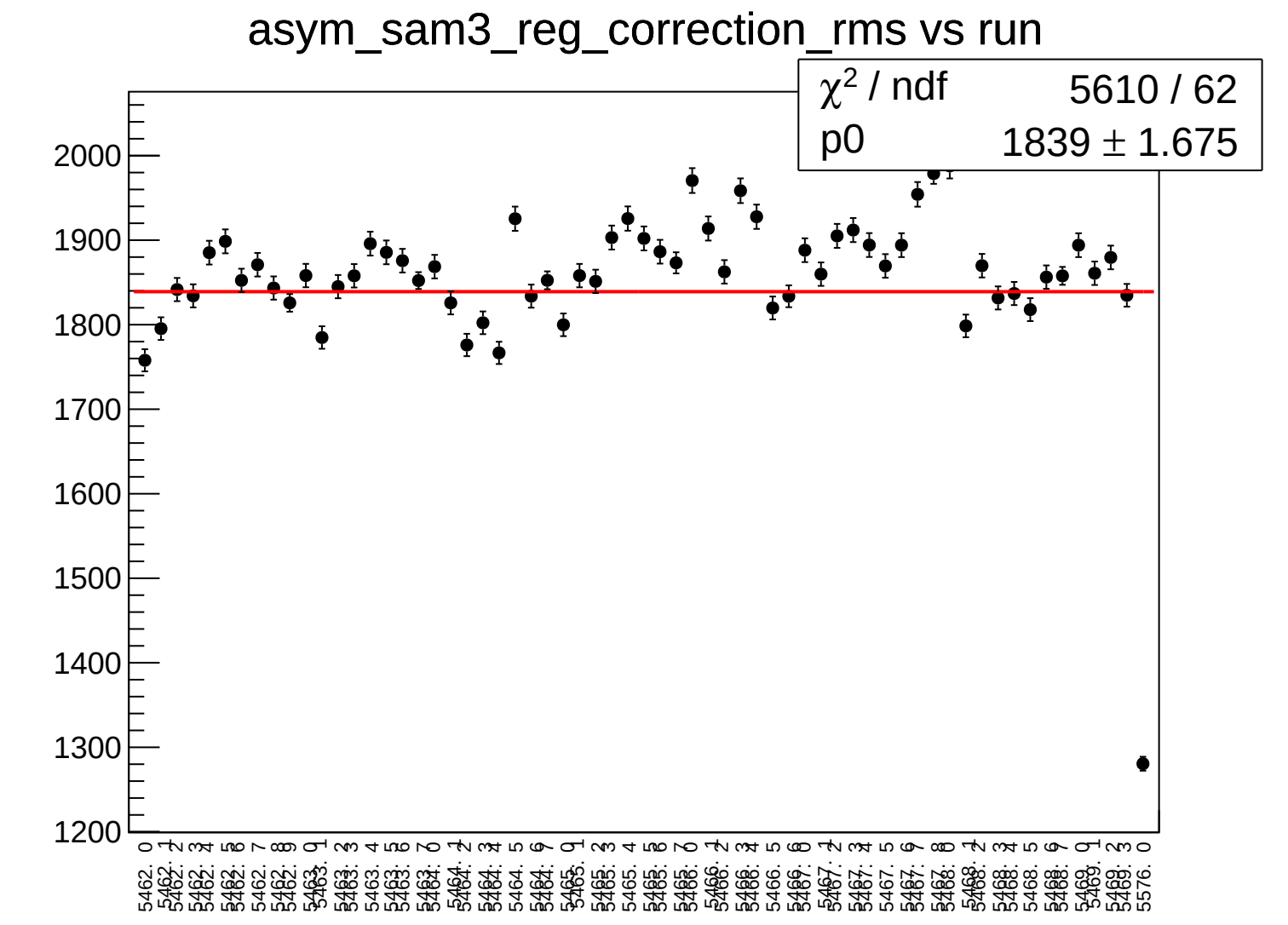
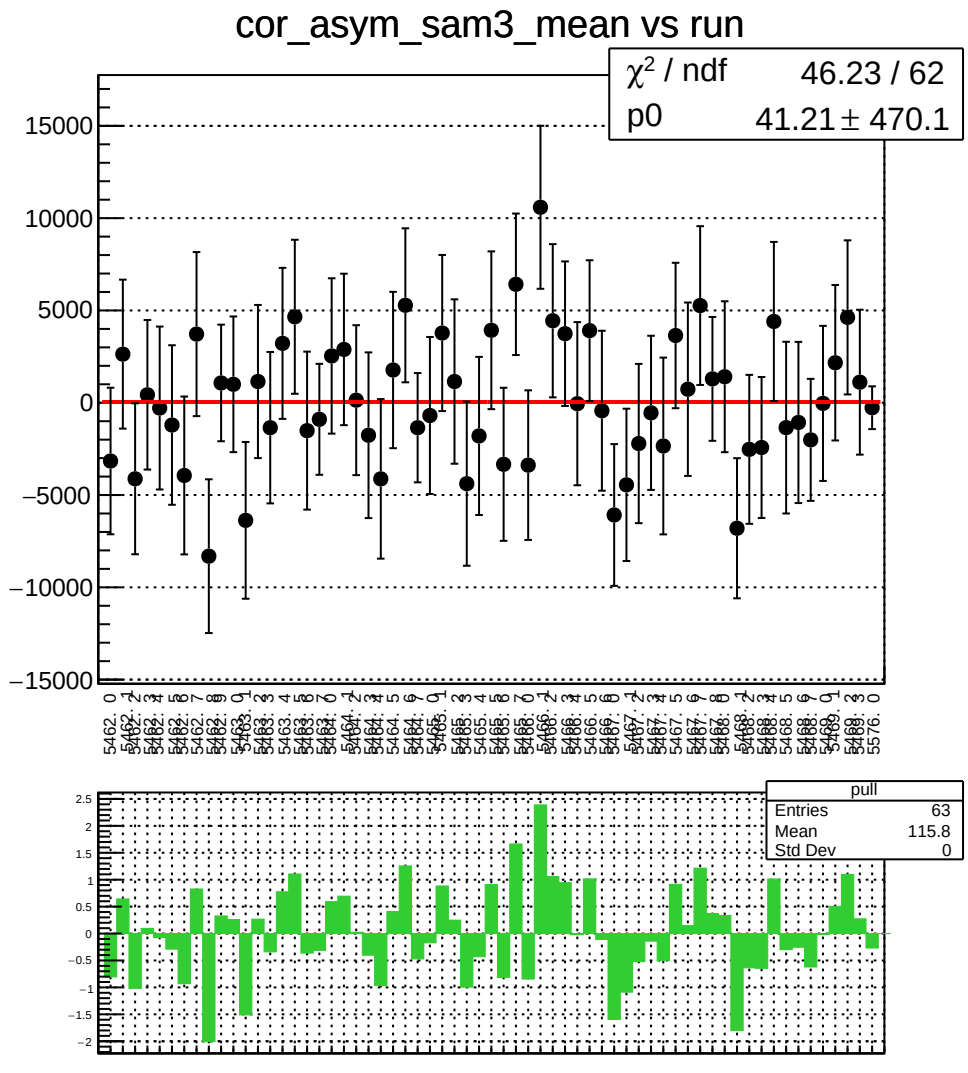
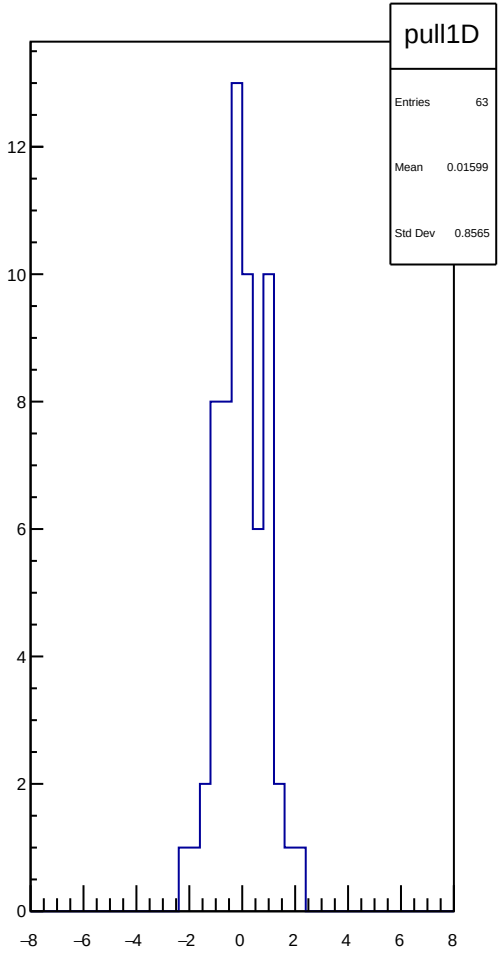
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

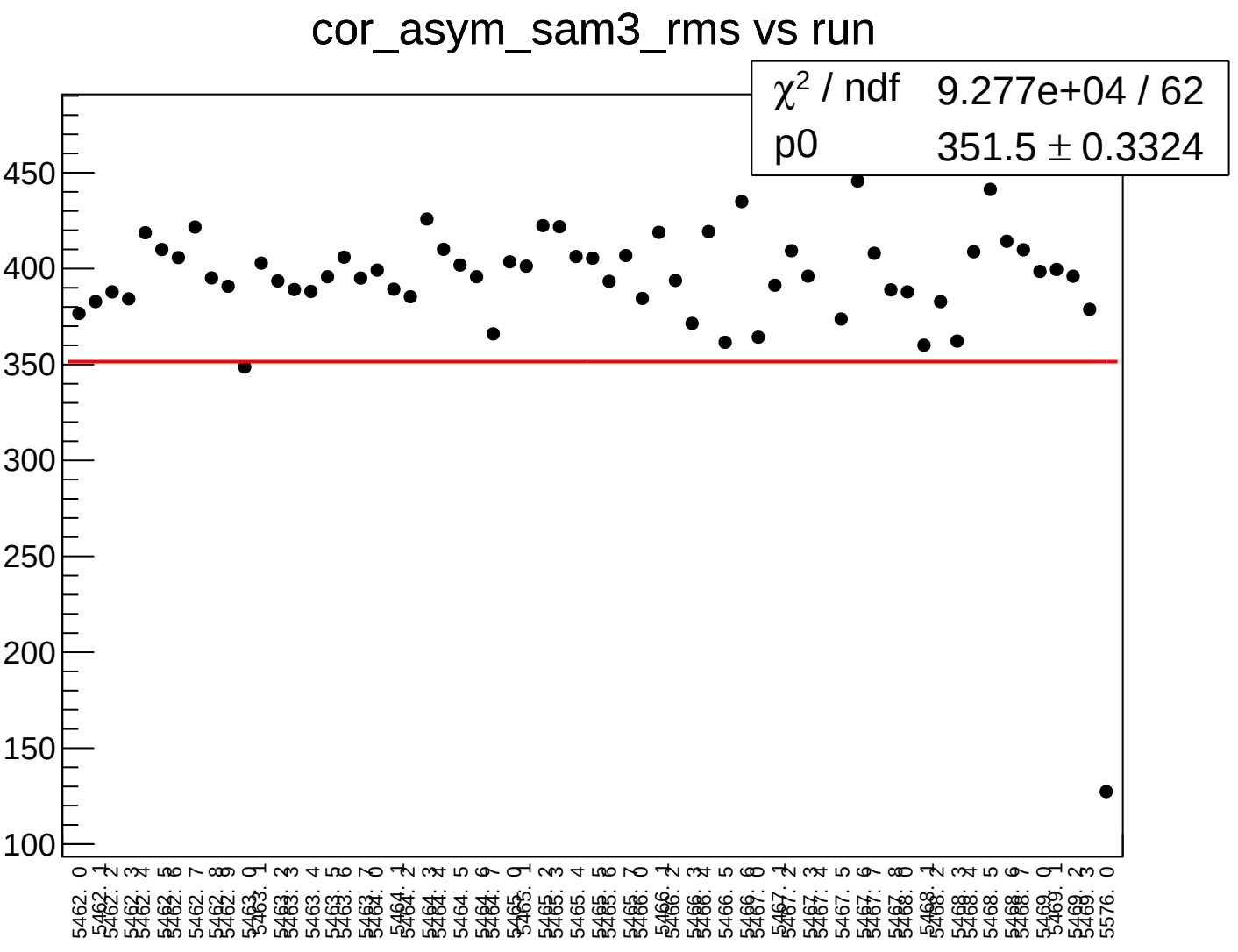

asym_sam3_reg_correction_mean vs run
χ² / ndf 68.41 / 62
p0 1490 ± 2369
pull
Entries 63
Mean 21.57
Std Dev 0


pull1D
Entries 63
Mean 0.01574
Std Dev 1.042


asym_sam3_reg_correction_rms vs run
χ² / ndf 5610 / 62
p0 1839 ± 1.675
2000
1900
1800
1700
1600
1500
1400
1300
1200


cor_asym_sam3_mean vs run
χ² / ndf 46.23 / 62
p0 41.21 ± 470.1
pull
Entries 63
Mean 115.8
Std Dev 0


pull1D
Entries 63
Mean 0.01599
Std Dev 0.8565


cor_asym_sam3_rms vs run
χ² / ndf 9.277e+04 / 62
p0 351.5 ± 0.3324
450
400
350
300
250
200
150
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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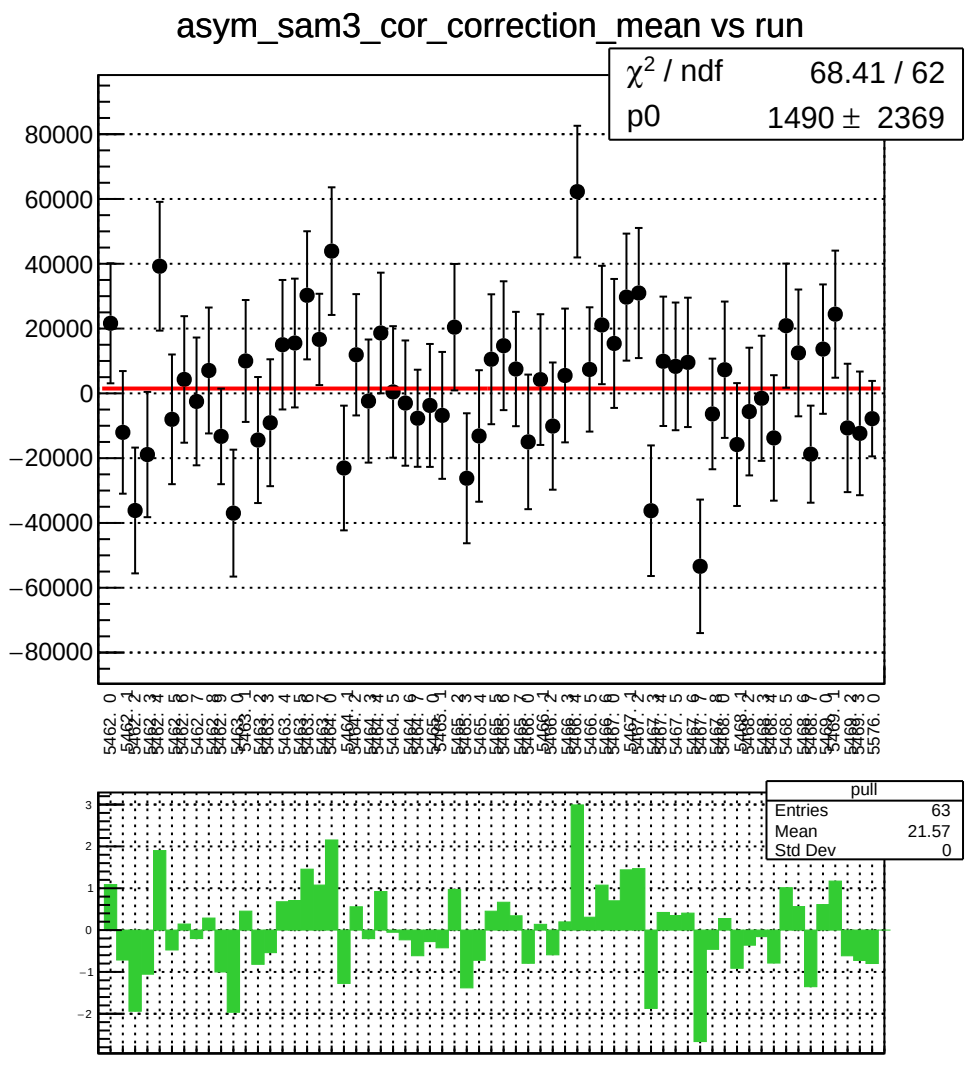
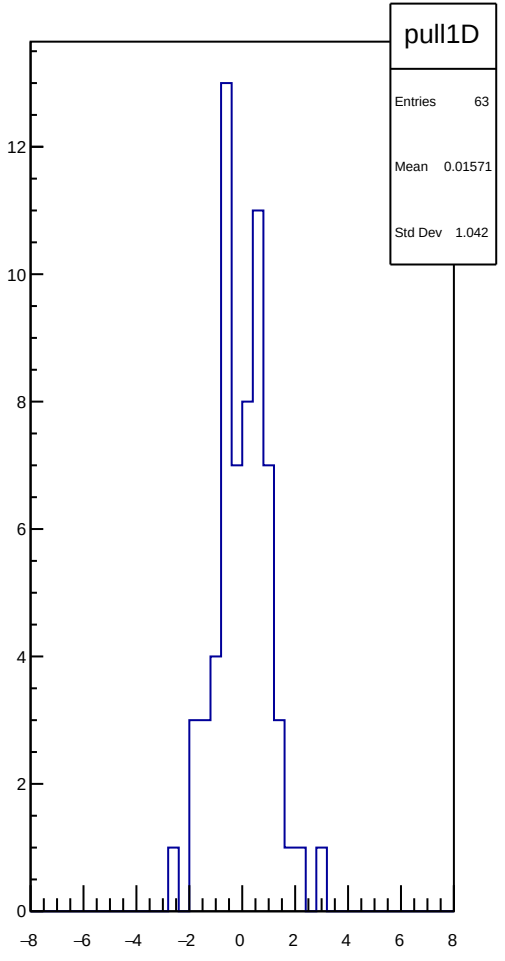
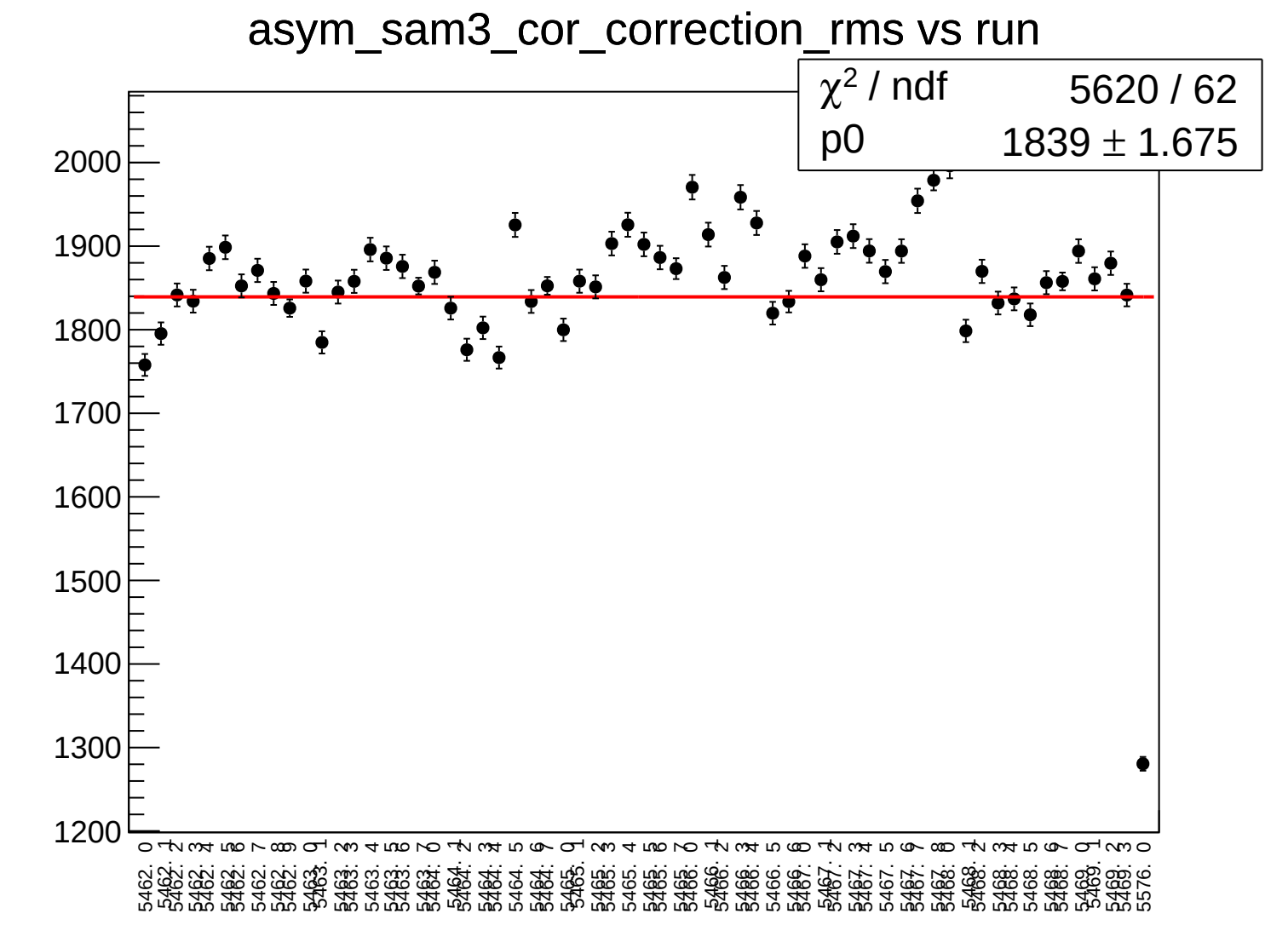
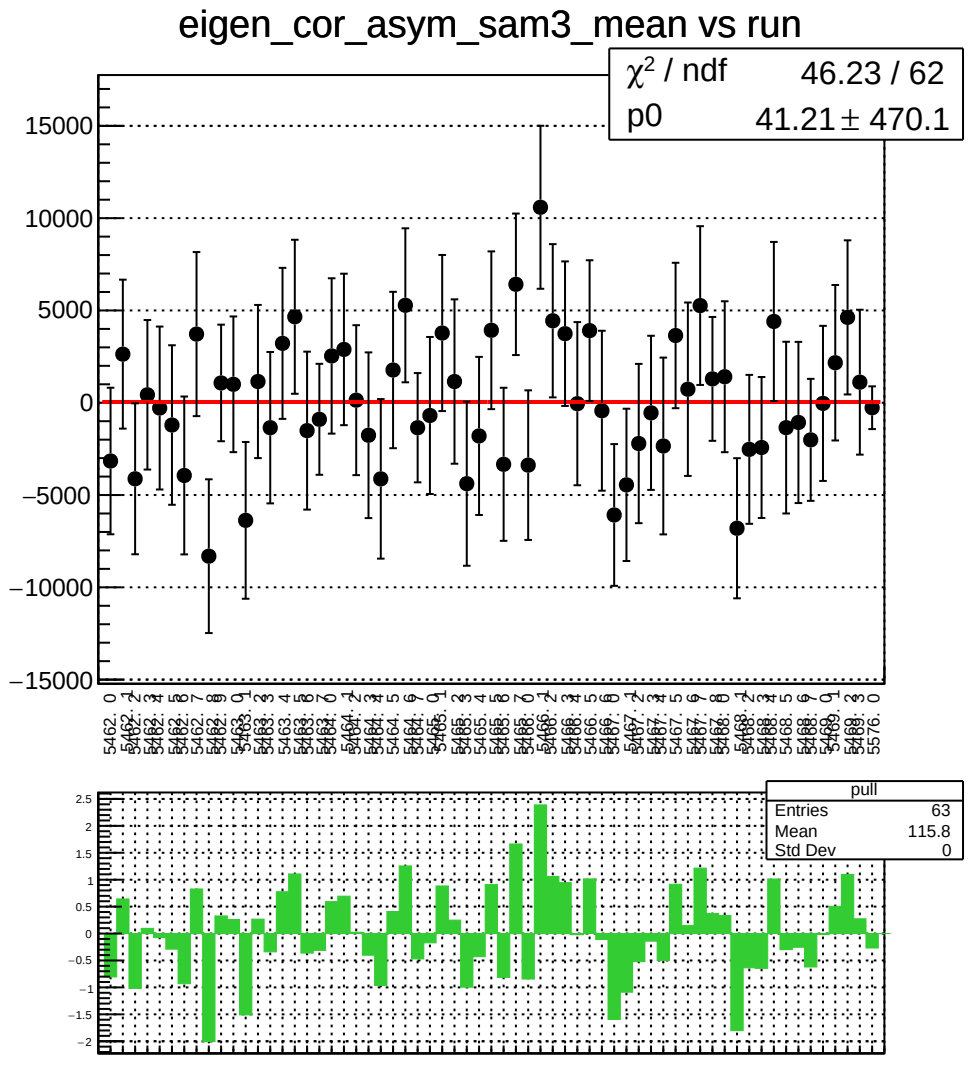
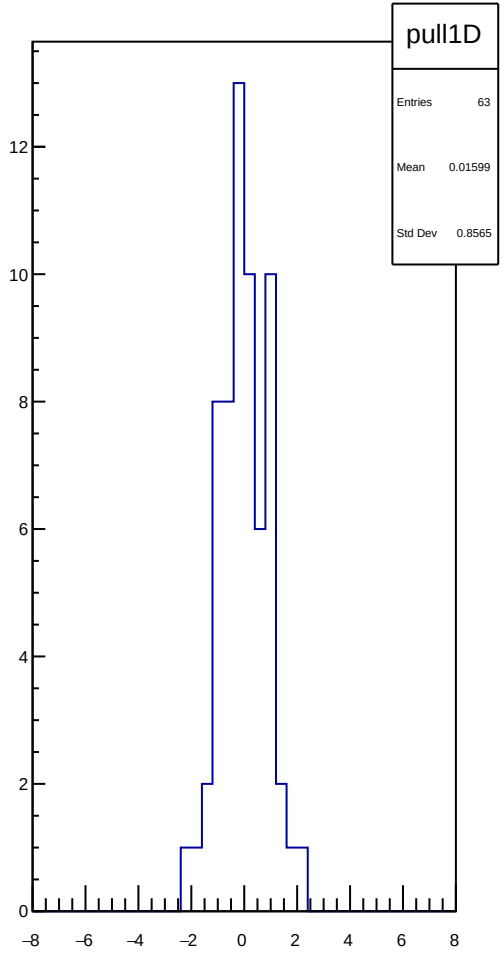
5469. 3
5576. 0

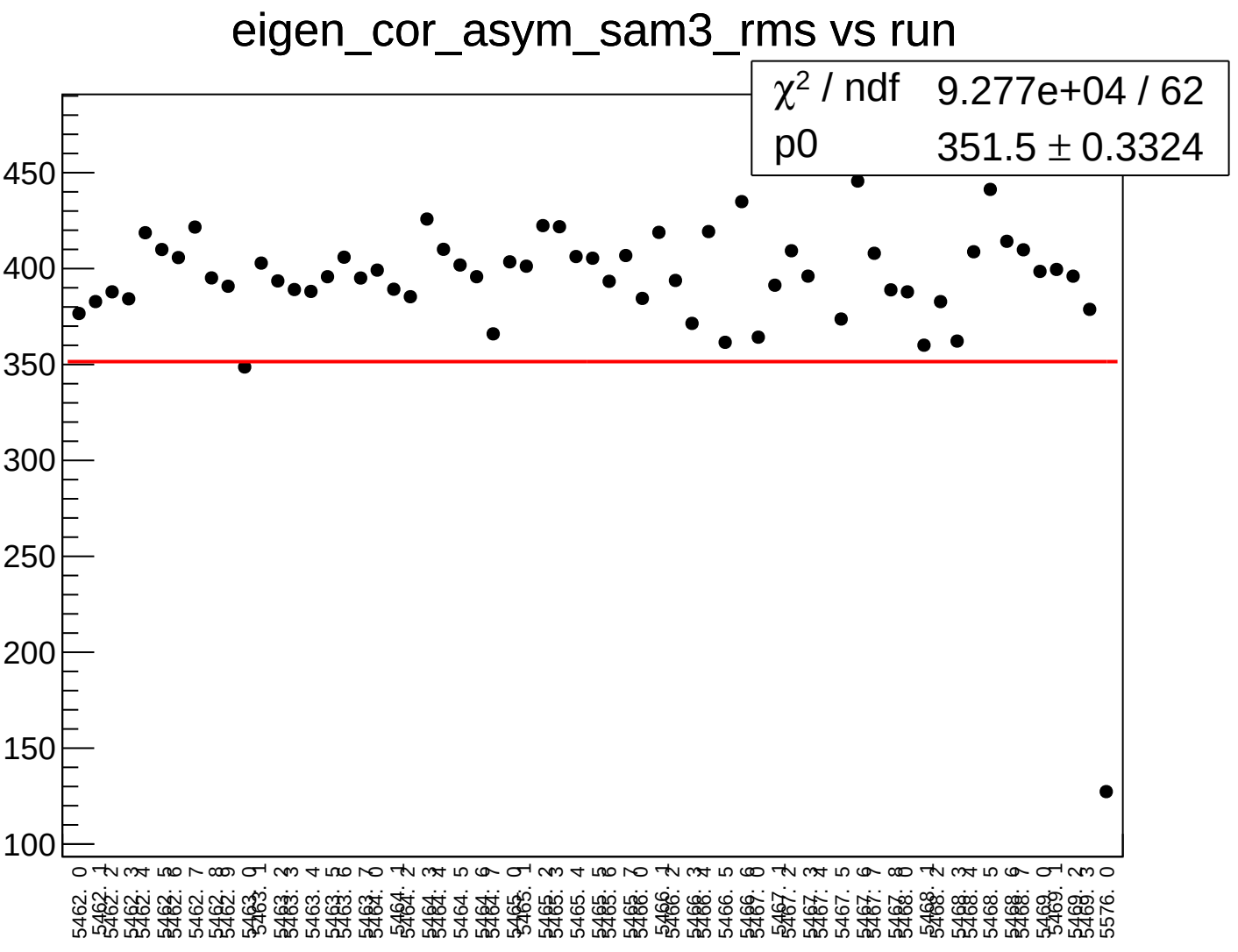

asym_sam3_cor_correction_mean vs run
χ² / ndf 68.41 / 62
p0 1490 ± 2369
pull
Entries 63
Mean 21.57
Std Dev 0


pull1D
Entries 63
Mean 0.01571
Std Dev 1.042


asym_sam3_cor_correction_rms vs run
χ² / ndf 5620 / 62
p0 1839 ± 1.675
2000
1900
1800
1700
1600
1500
1400
1300
1200


eigen_cor_asym_sam3_mean vs run
χ² / ndf 46.23 / 62
p0 41.21 ± 470.1
pull
Entries 63
Mean 115.8
Std Dev 0


pull1D
Entries 63
Mean 0.01599
Std Dev 0.8565


eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 9.277e+04 / 62
p0 351.5 ± 0.3324
450
400
350
300
250
200
150
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
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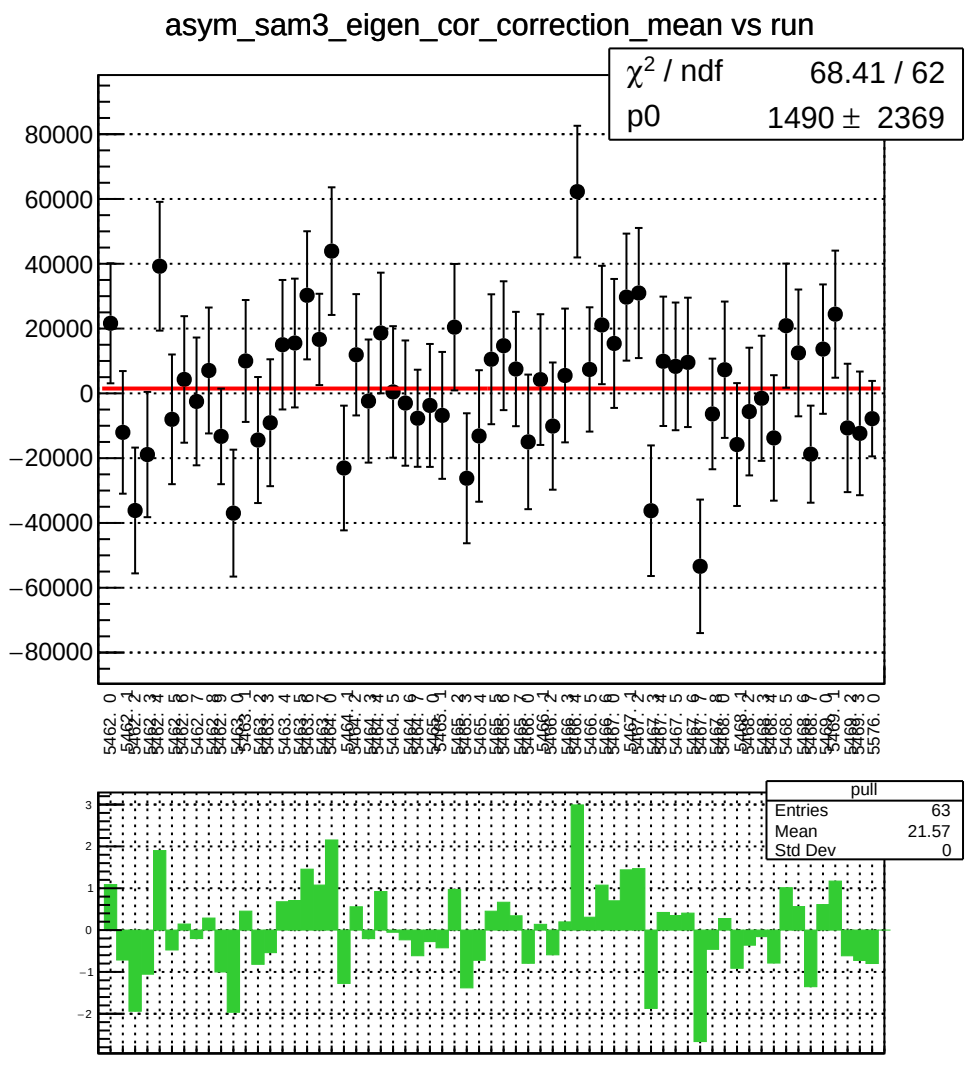
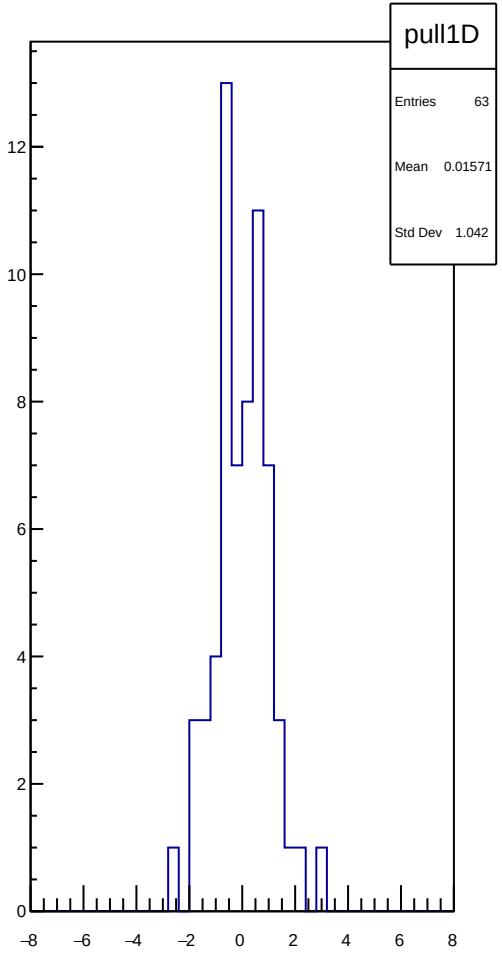
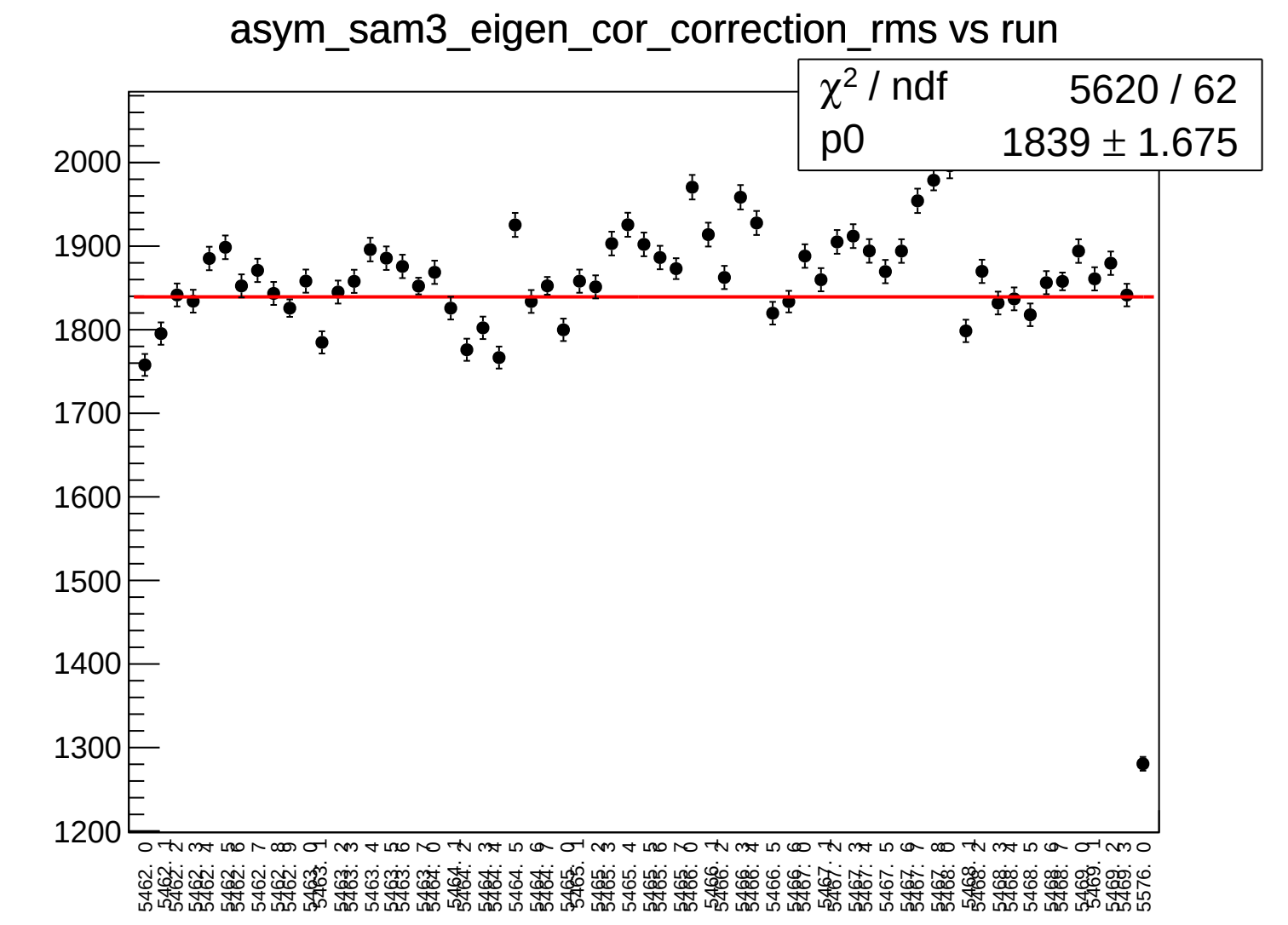
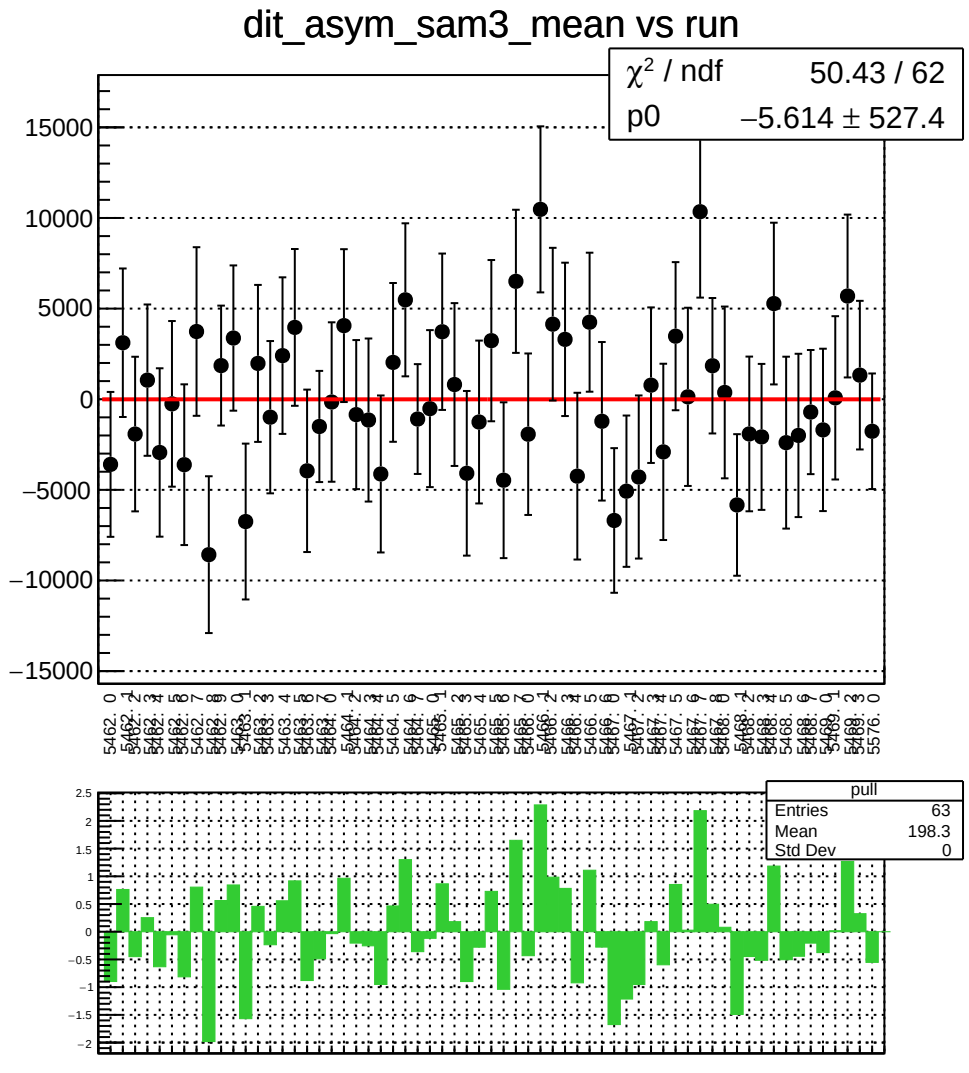
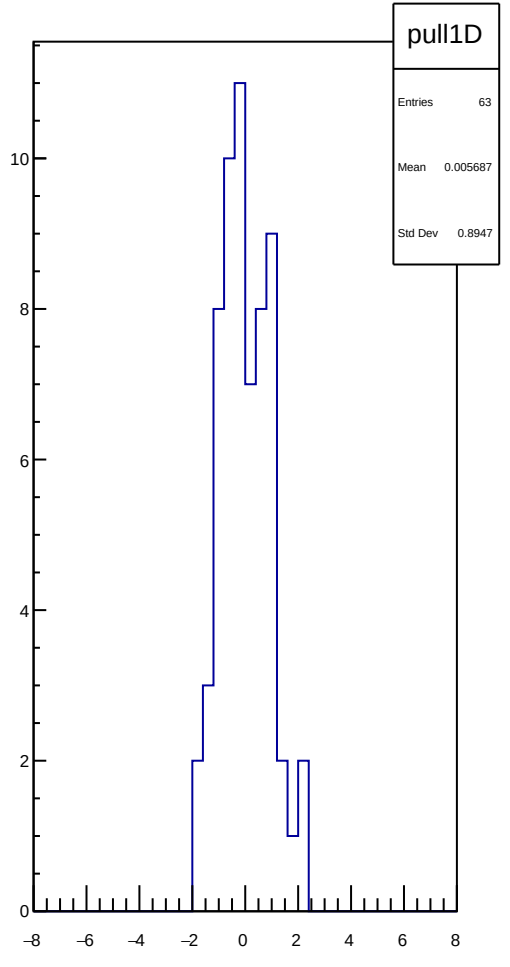
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

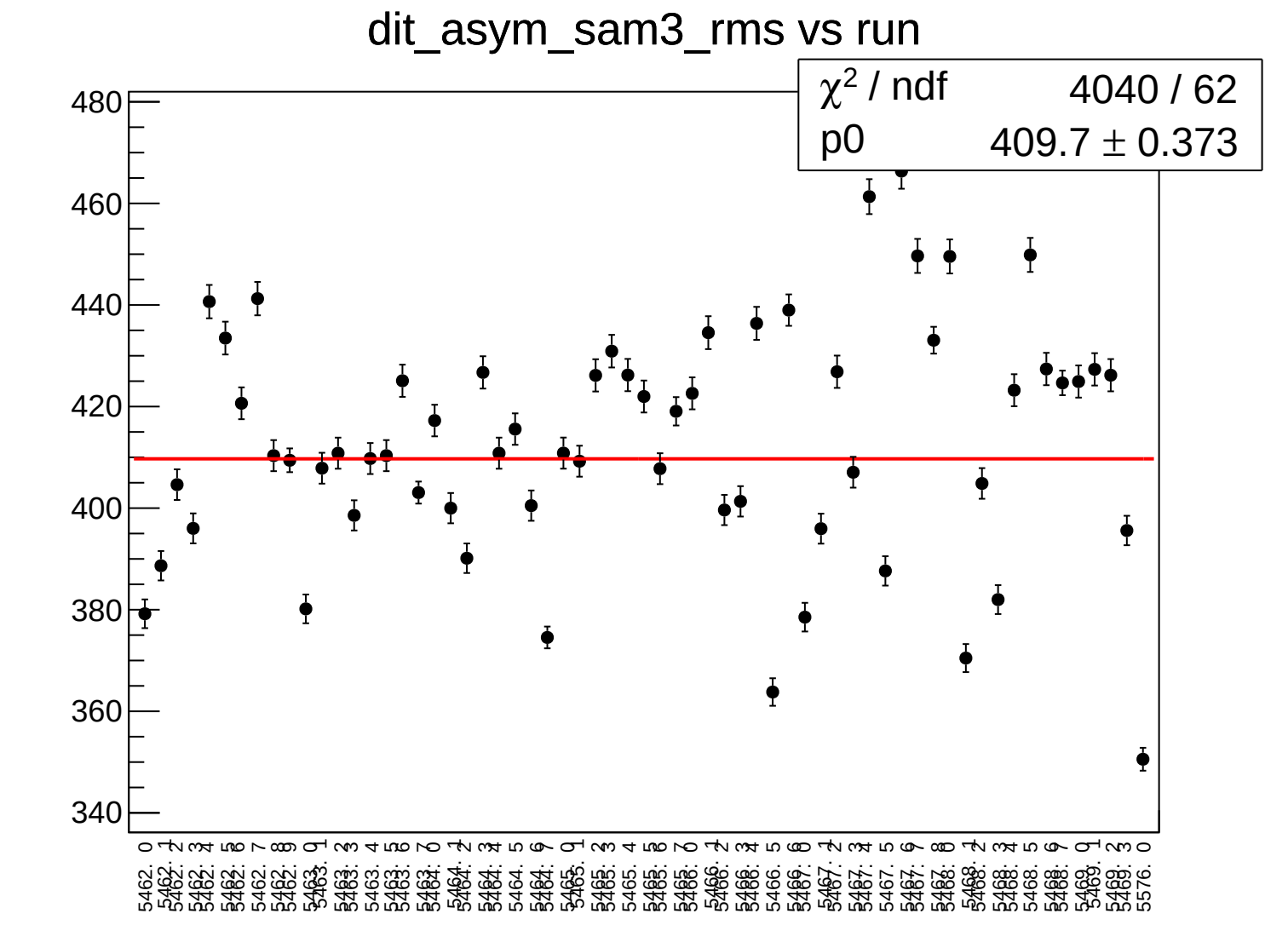

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 68.41 / 62
p0 1490 ± 2369
pull
Entries 63
Mean 21.57
Std Dev 0

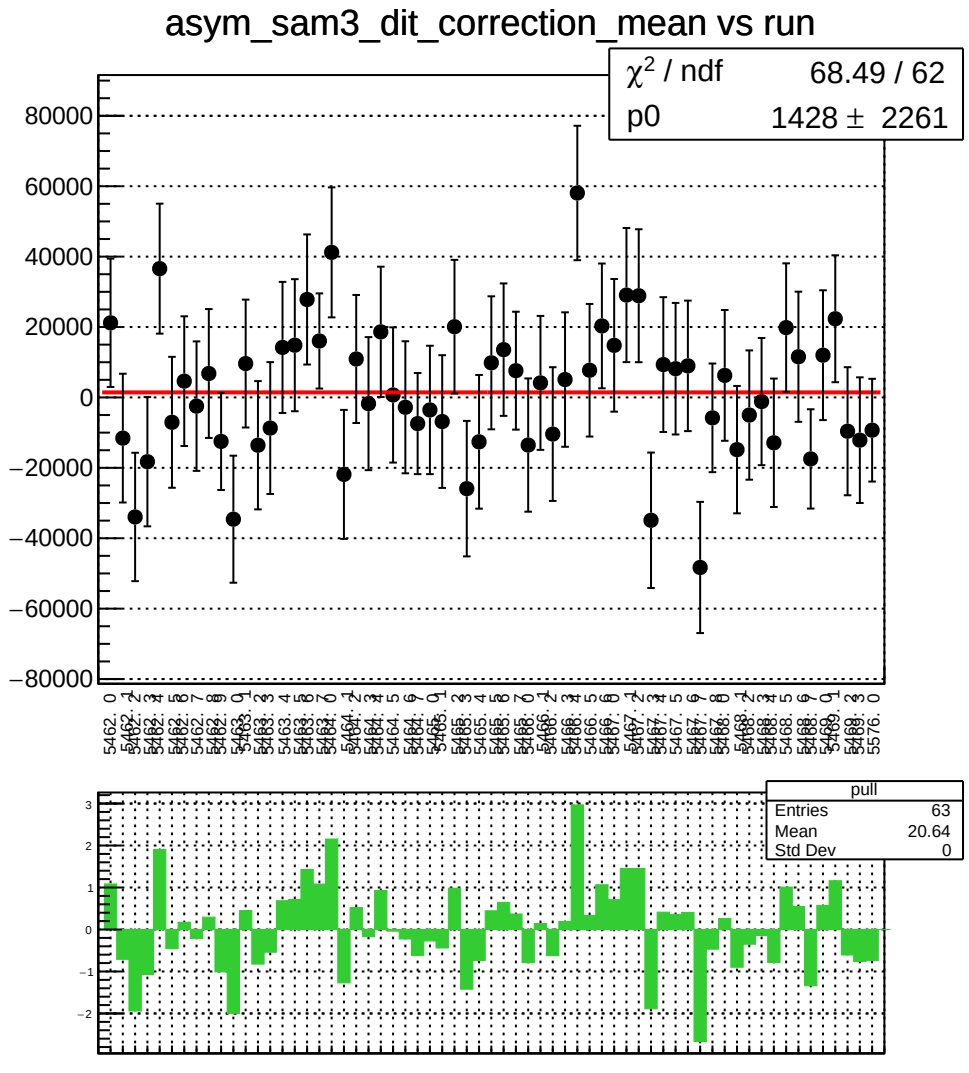

pull1D
Entries 63
Mean 0.01571
Std Dev 1.042

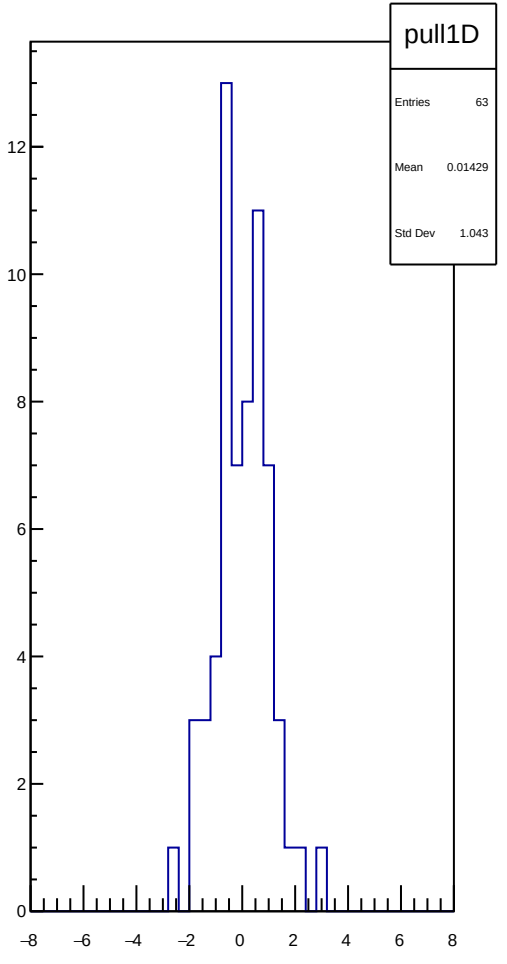

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 5620 / 62
p0 1839 ± 1.675
2000
1900
1800
1700
1600
1500
1400
1300
1200
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

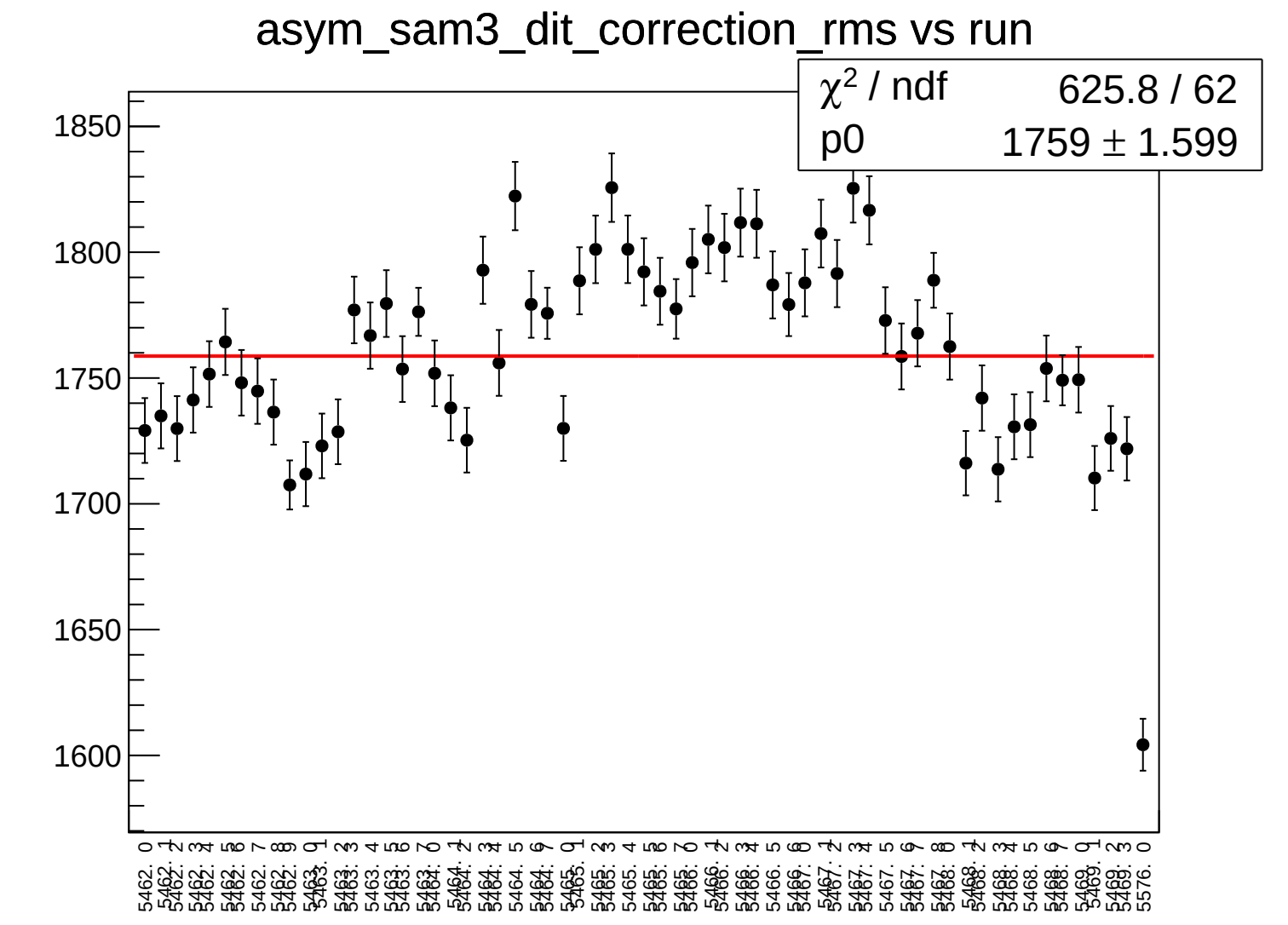

dit_asym_sam3_mean vs run
χ² / ndf 50.43 / 62
p0 −5.614 ± 527.4
pull
Entries 63
Mean 198.3
Std Dev 0

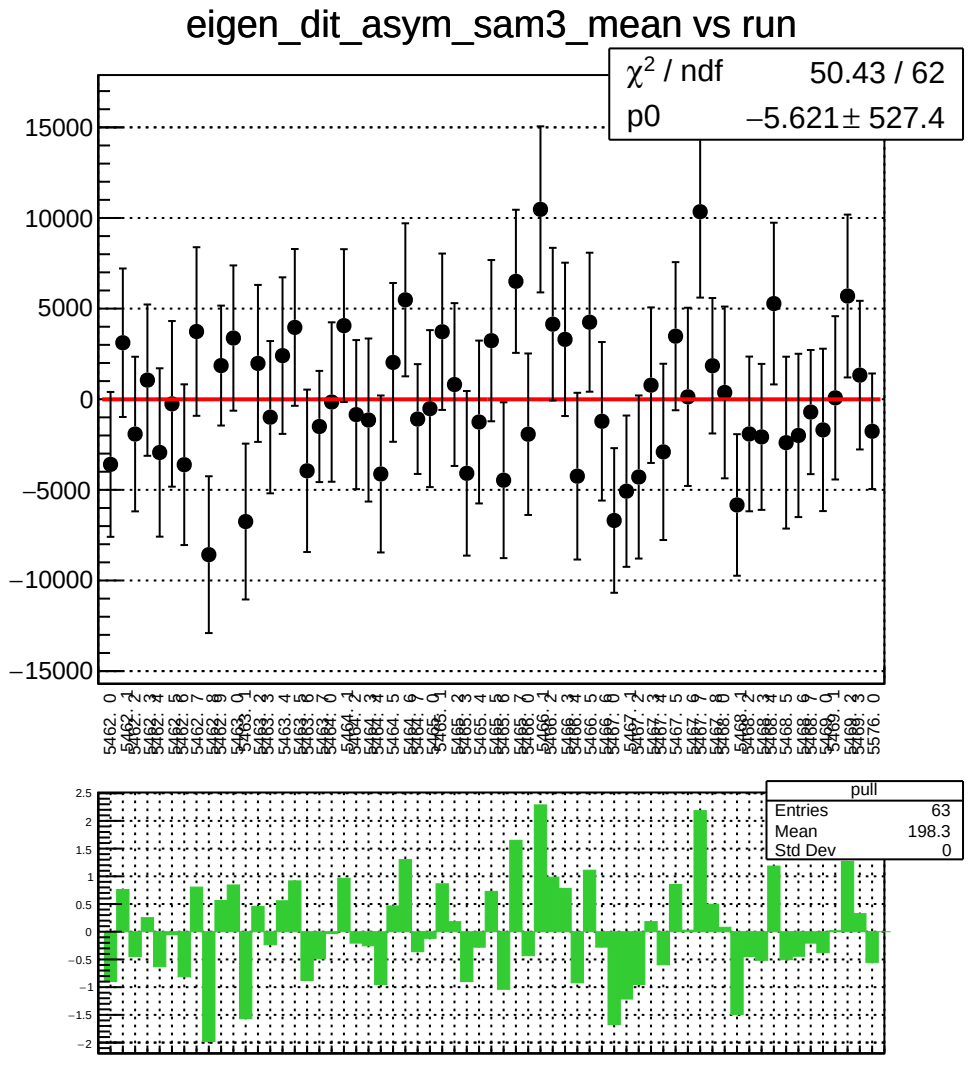

pull1D
Entries 63
Mean 0.005687
Std Dev 0.8947

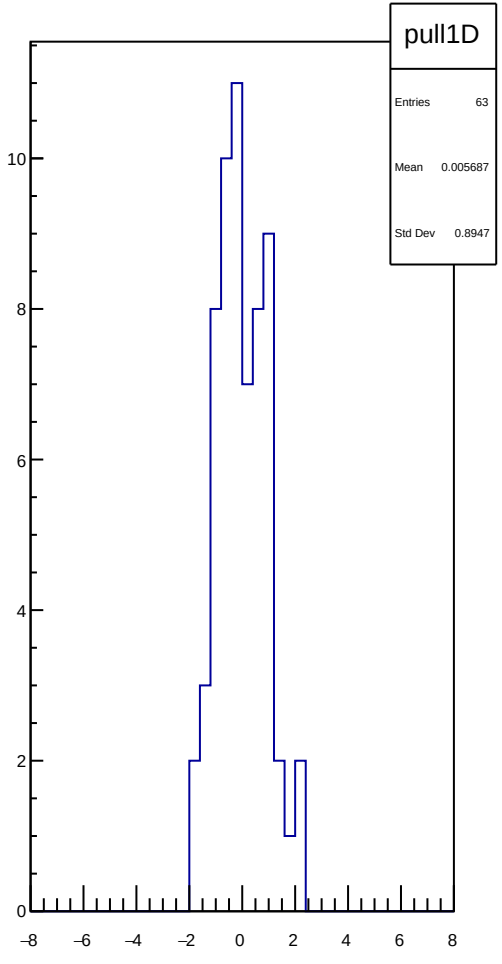

dit_asym_sam3_rms vs run
χ² / ndf 4040 / 62
p0 409.7 ± 0.373
480
460
440
420
400
380
360
340
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

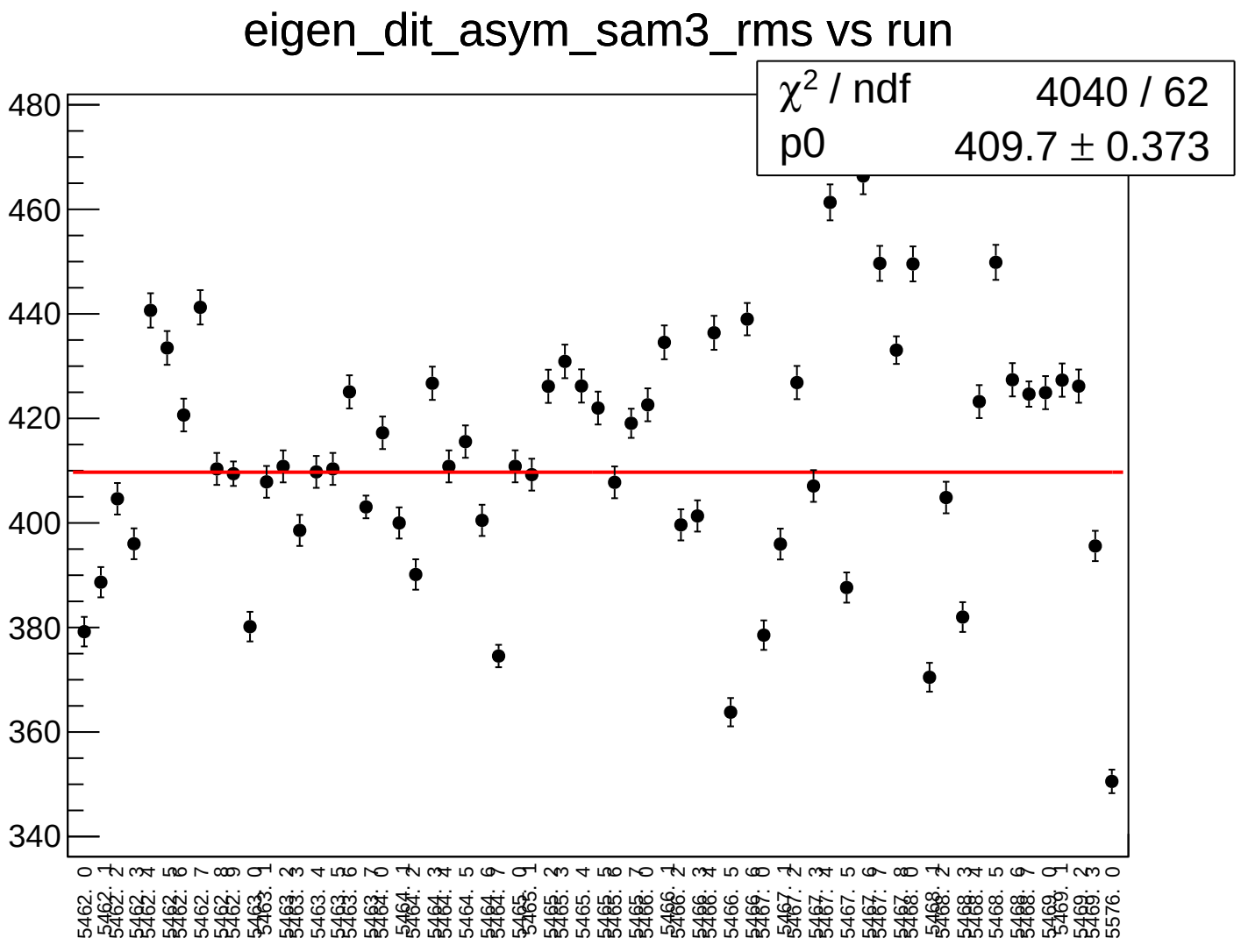

asym_sam3_dit_correction_mean vs run
χ² / ndf 68.49 / 62
p0 1428 ± 2261
pull
Entries 63
Mean 20.64
Std Dev 0

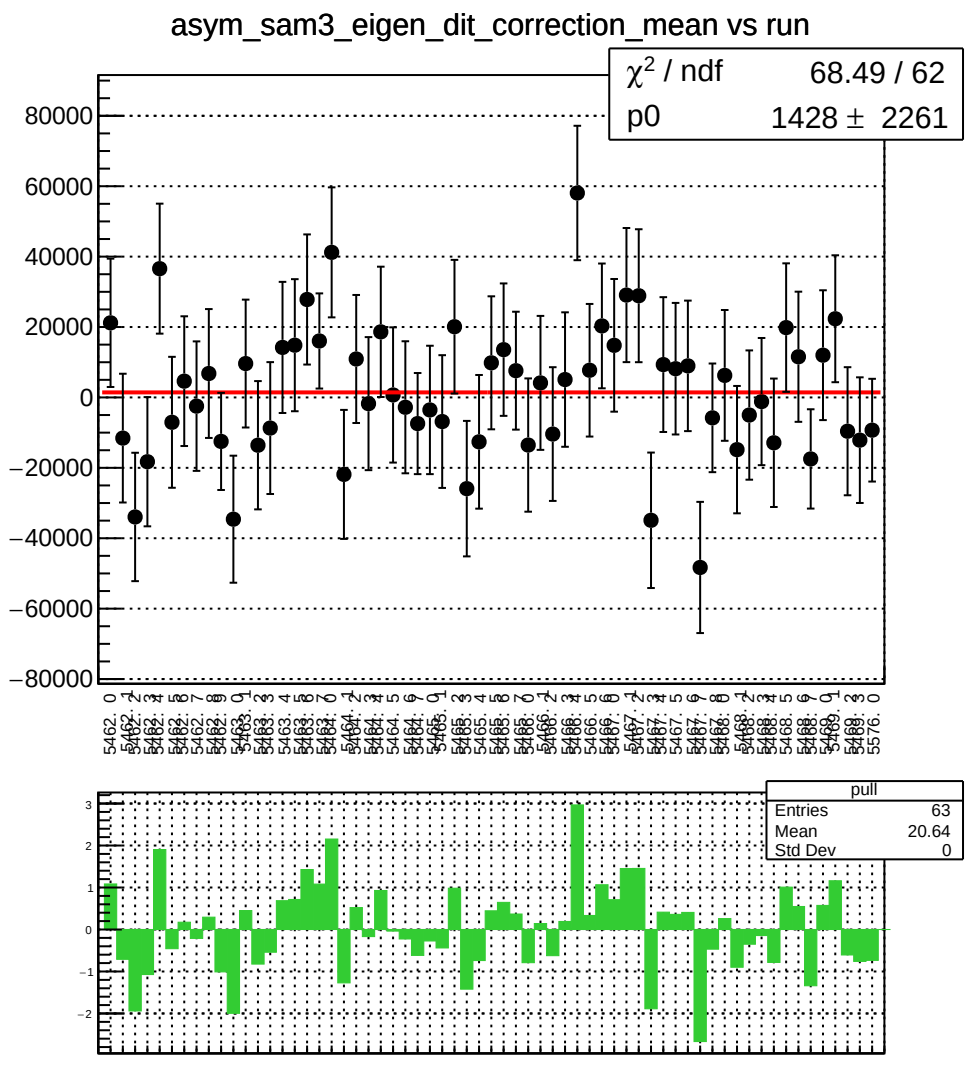

pull1D
Entries 63
Mean 0.01429
Std Dev 1.043

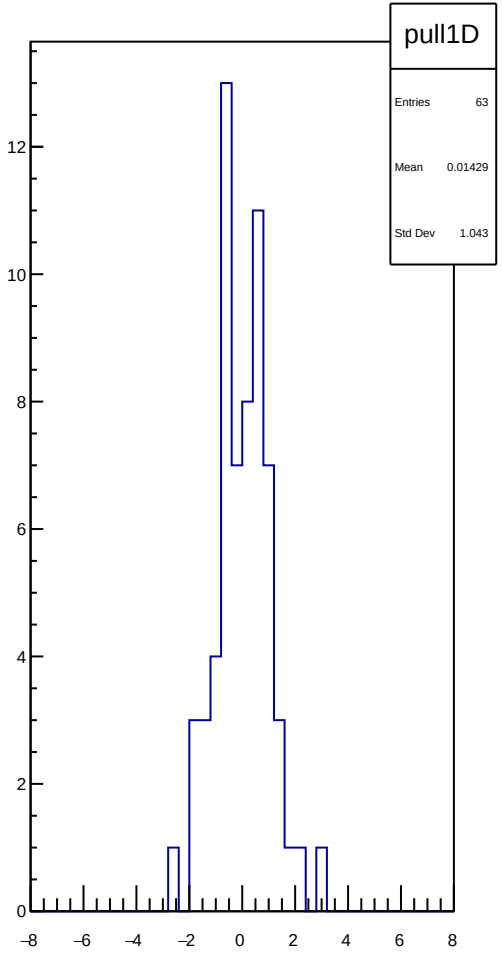

asym_sam3_dit_correction_rms vs run
χ² / ndf 625.8 / 62
p0 1759 ± 1.599
1850
1800
1750
1700
1650
1600

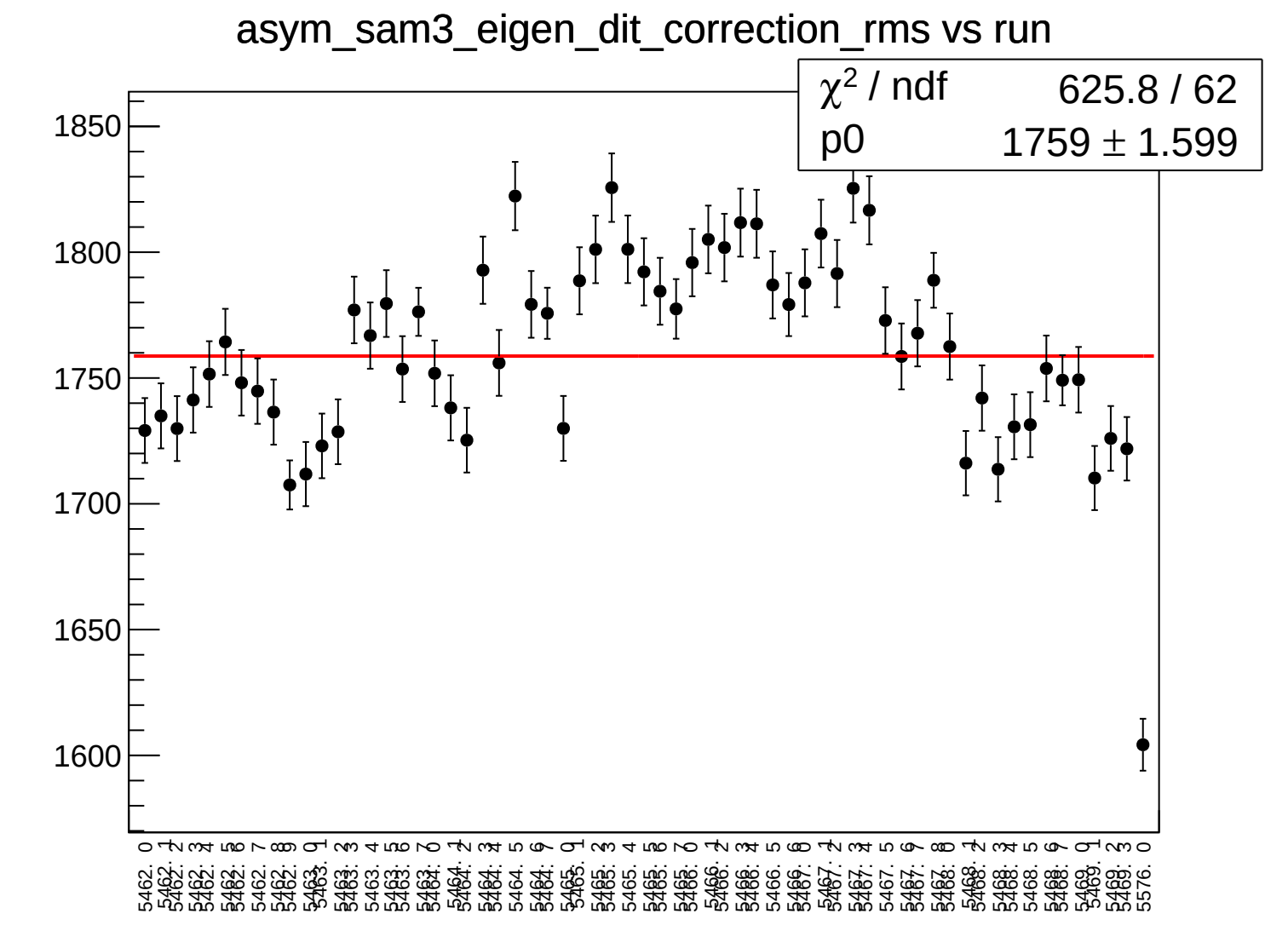

eigen_dit_asym_sam3_mean vs run
χ² / ndf 50.43 / 62
p0 −5.621 ± 527.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 198.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

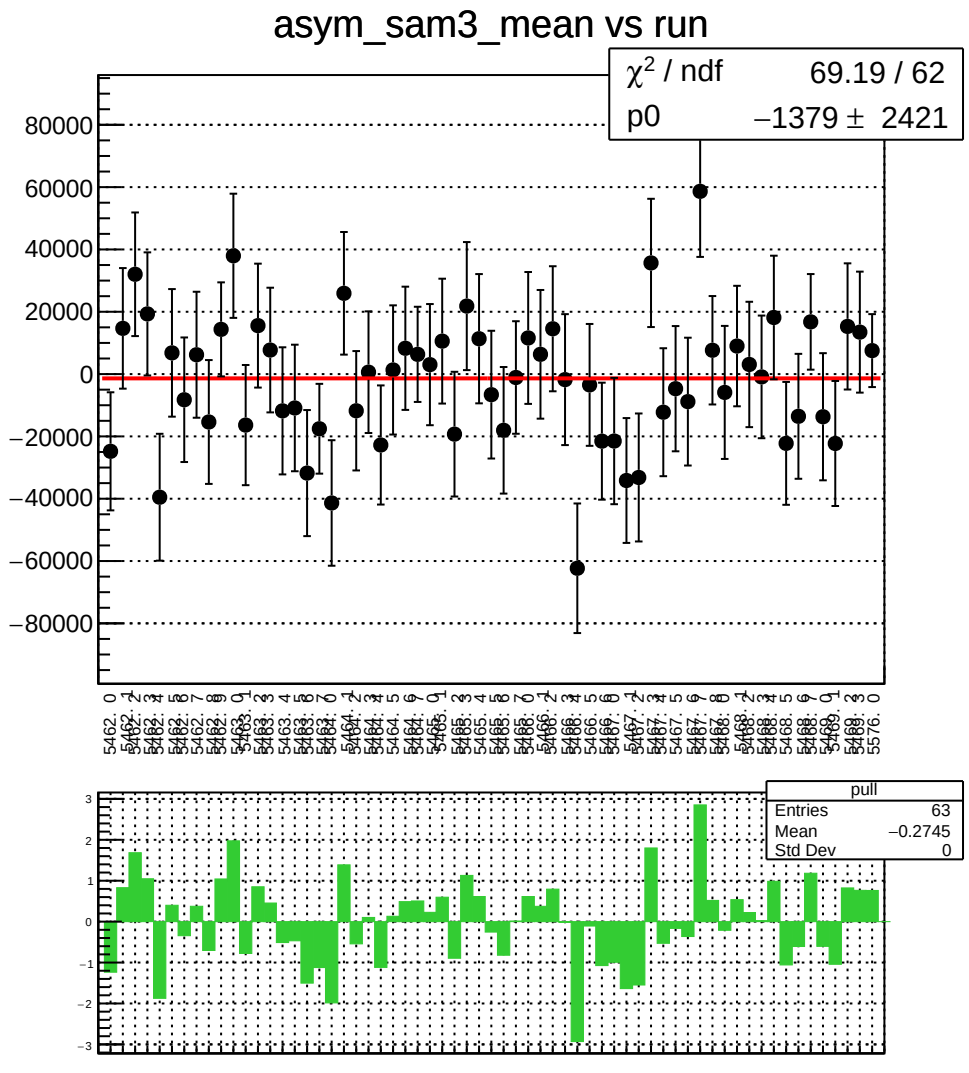

pull1D
Entries 63
Mean 0.005687
Std Dev 0.8947
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

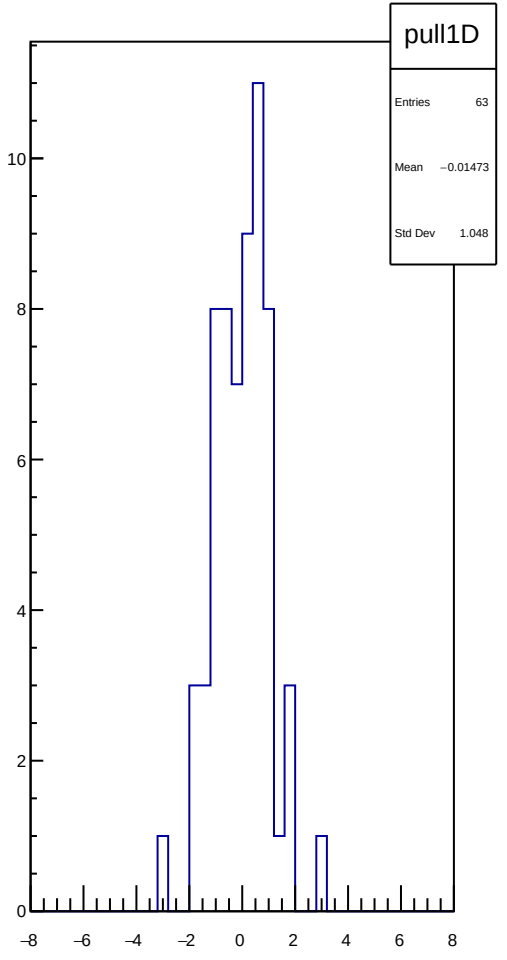

eigen_dit_asym_sam3_rms vs run
χ² / ndf 4040 / 62
p0 409.7 ± 0.373
480
460
440
420
400
380
360
340

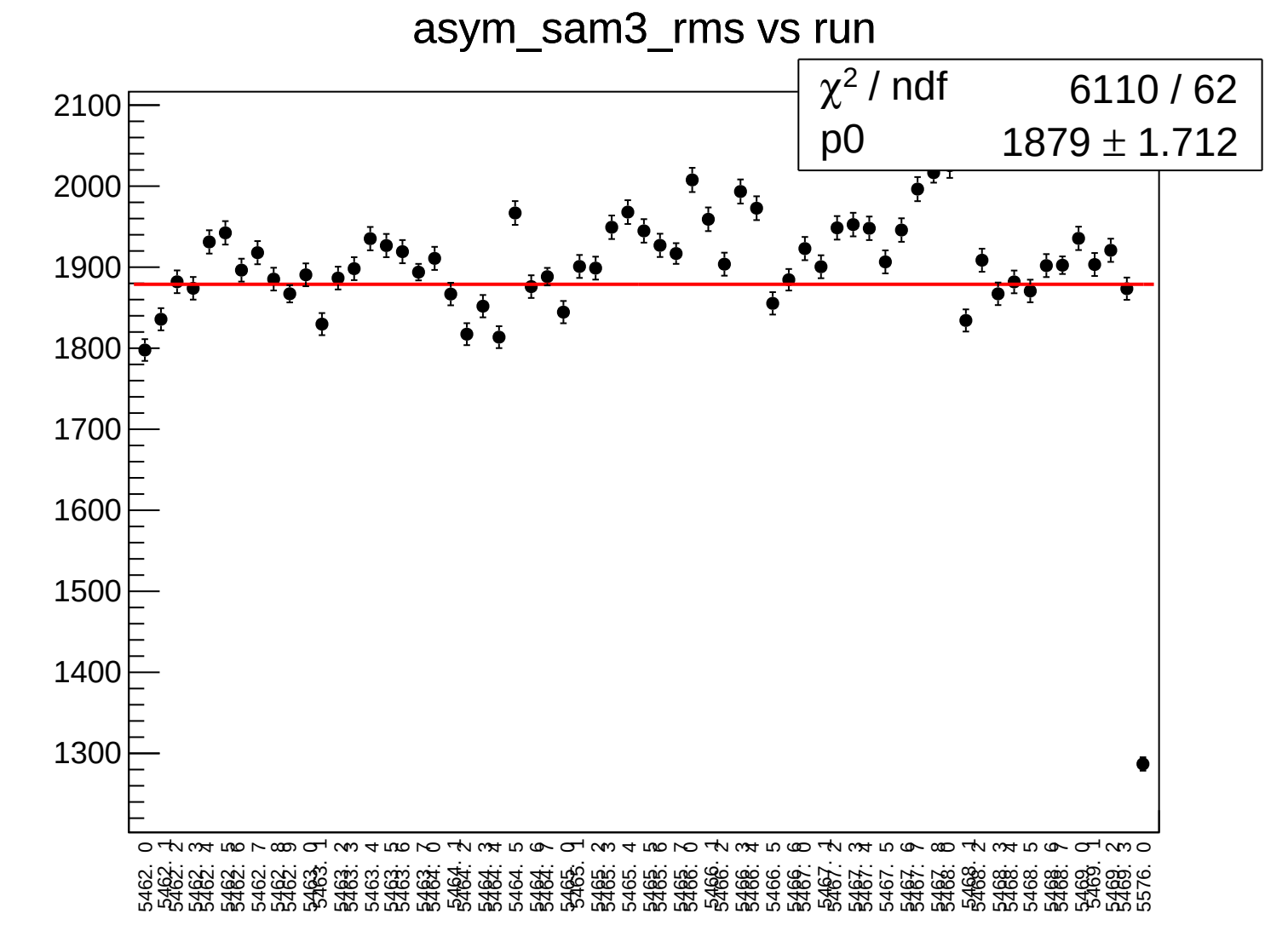

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 68.49 / 62
p0 1428 ± 2261
pull
Entries 63
Mean 20.64
Std Dev 0

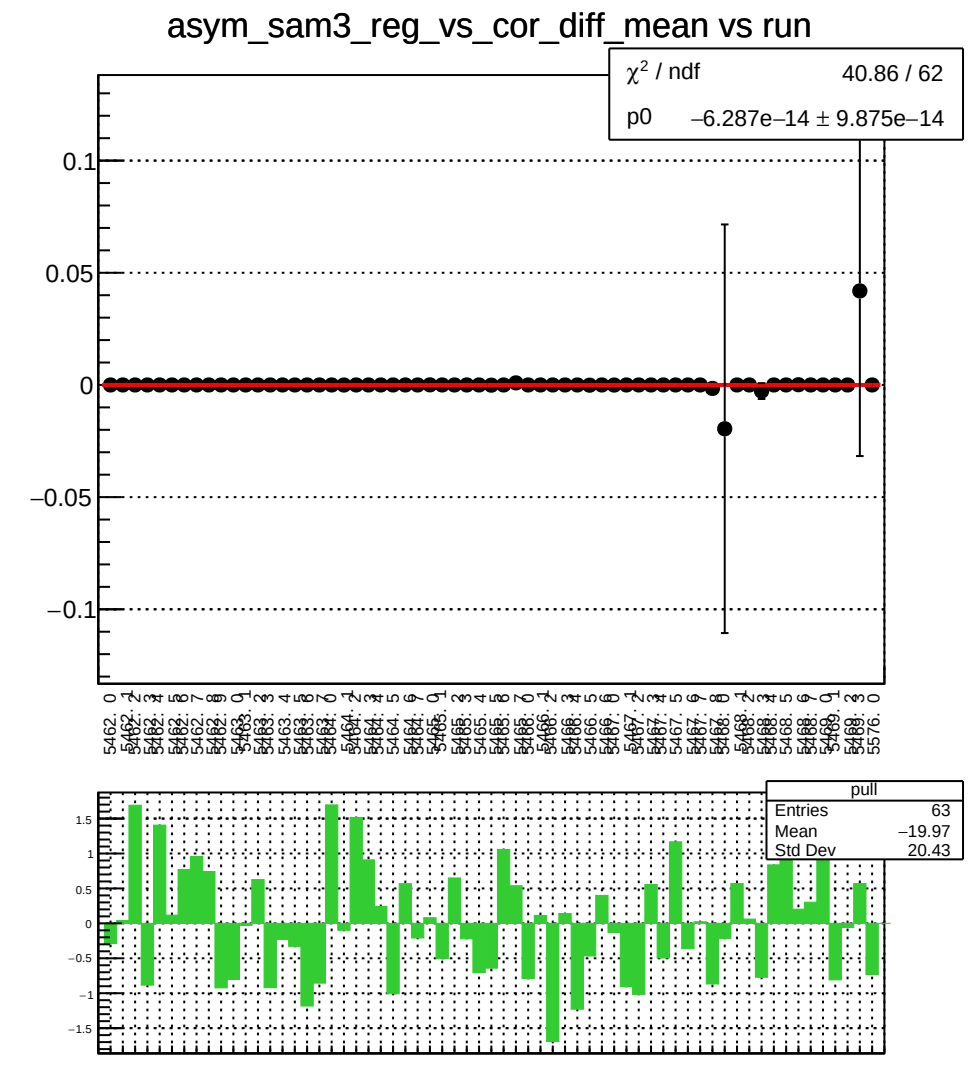

pull1D
Entries 63
Mean 0.01429
Std Dev 1.043

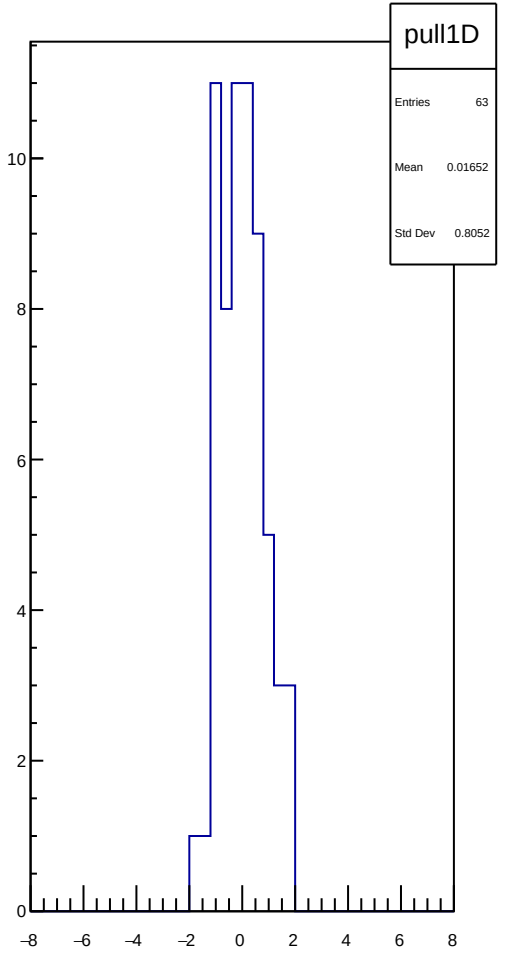

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 625.8 / 62
p0 1759 ± 1.599
1850
1800
1750
1700
1650
1600

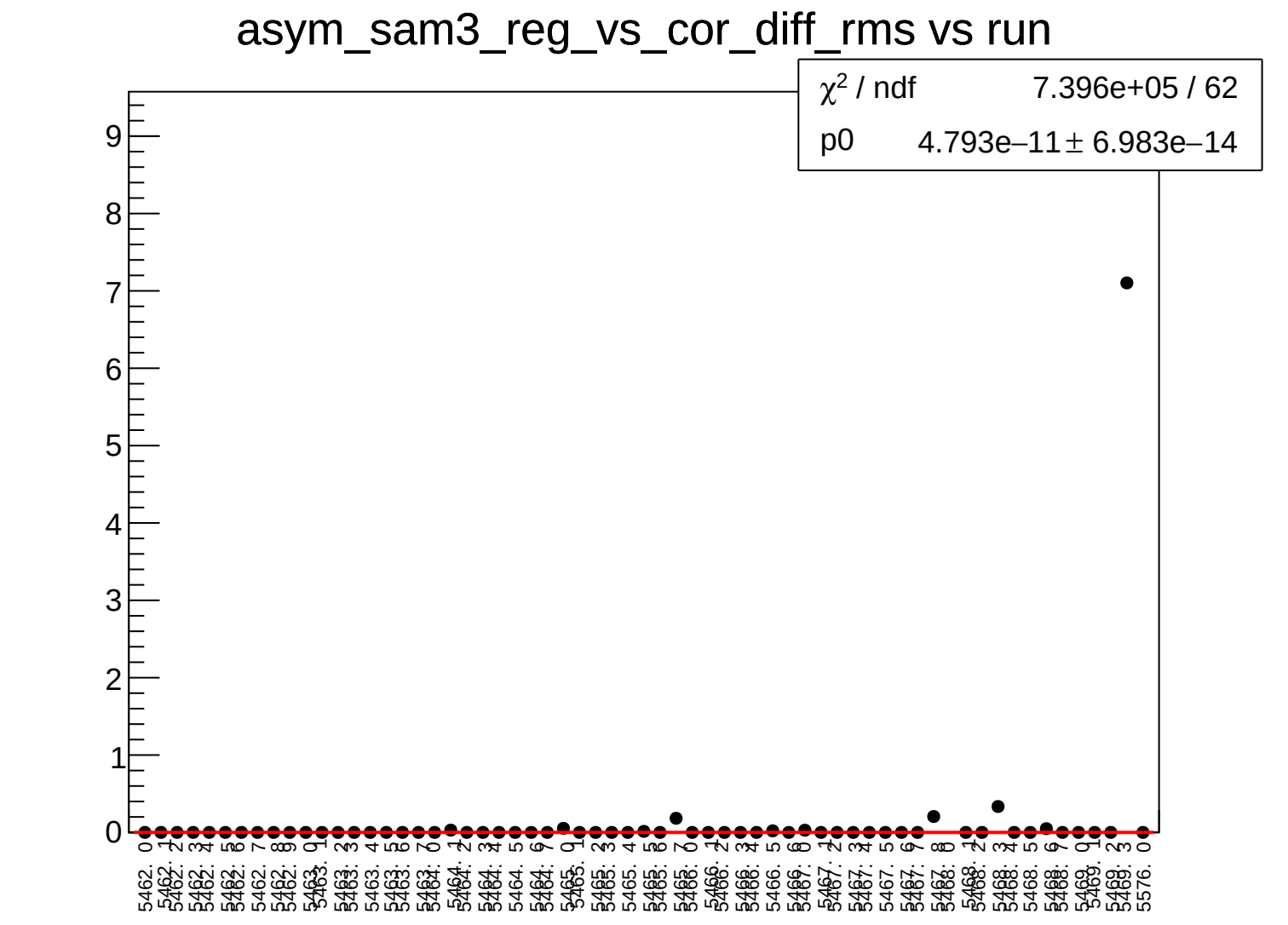

asym_sam3_mean vs run
χ² / ndf 69.19 / 62
p0 −1379 ± 2421
pull
Entries 63
Mean −0.2745
Std Dev 0

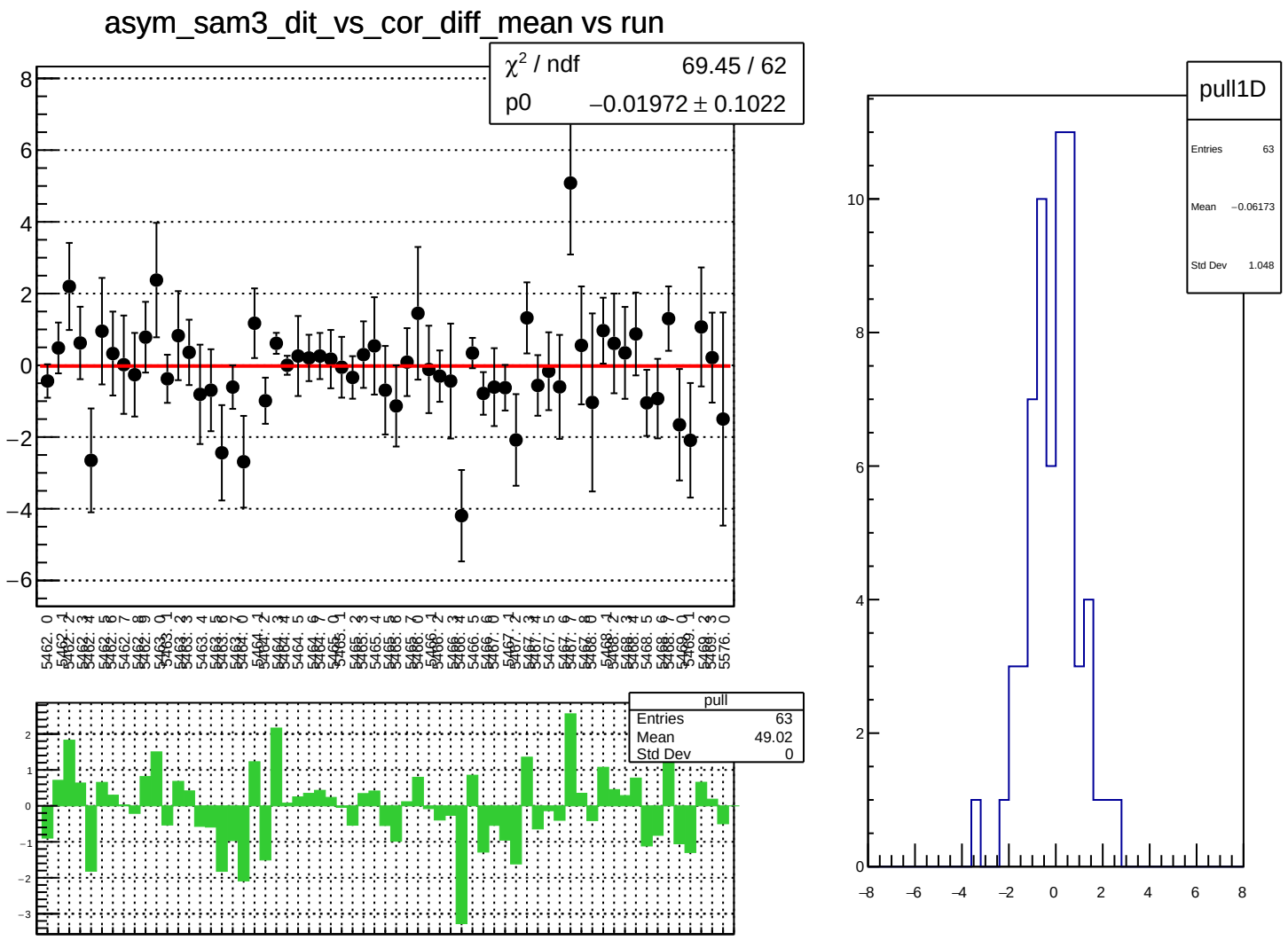

pull1D
Entries 63
Mean −0.01473
Std Dev 1.048

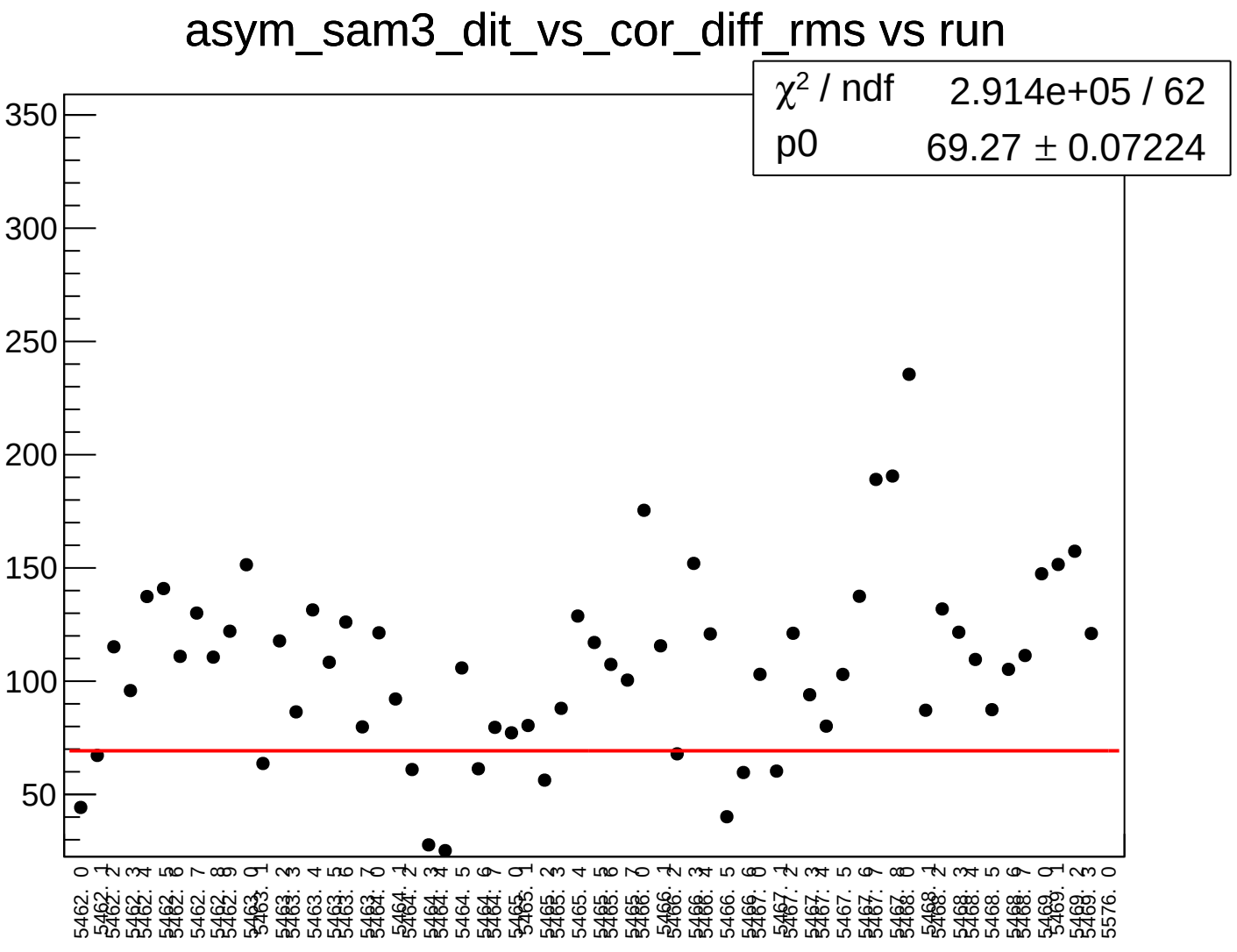

asym_sam3_rms vs run
χ² / ndf 6110 / 62
p0 1879 ± 1.712
2100
2000
1900
1800
1700
1600
1500
1400
1300

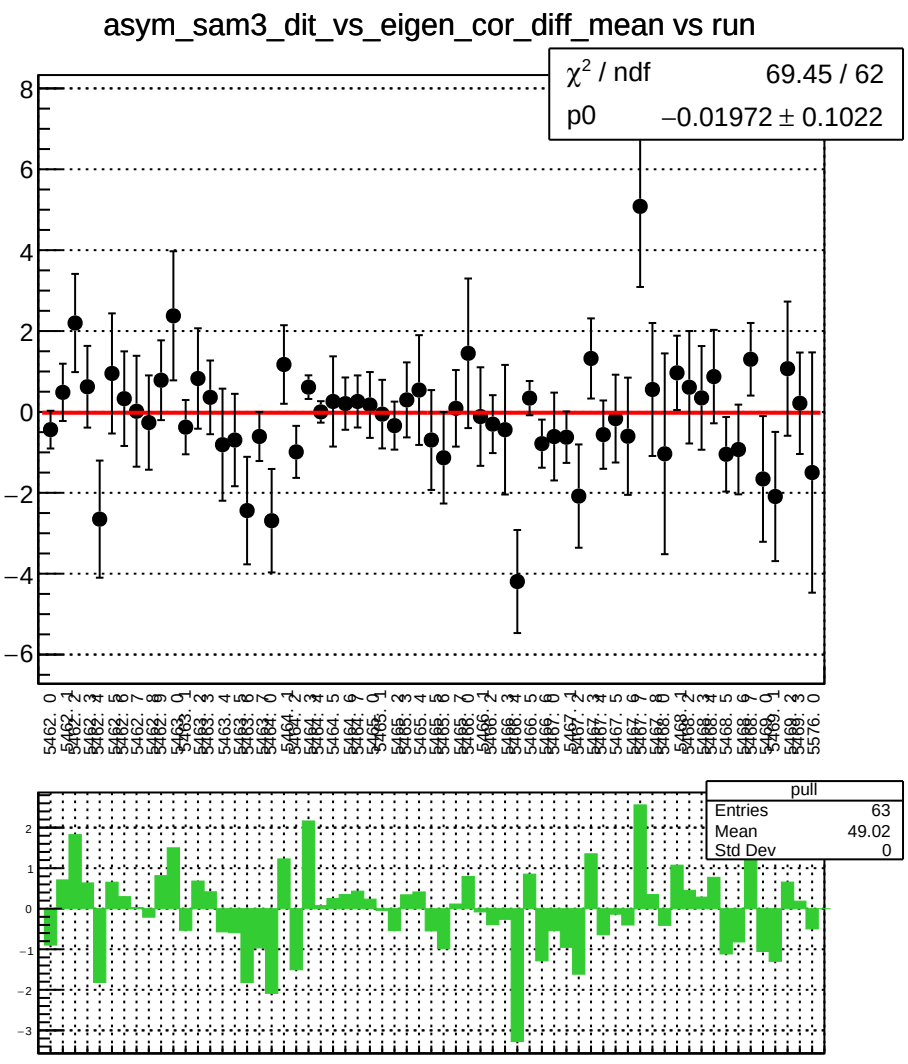

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 40.86 / 62
p0 −6.287e−14 ± 9.875e−14
pull
Entries 63
Mean −19.97
Std Dev 20.43

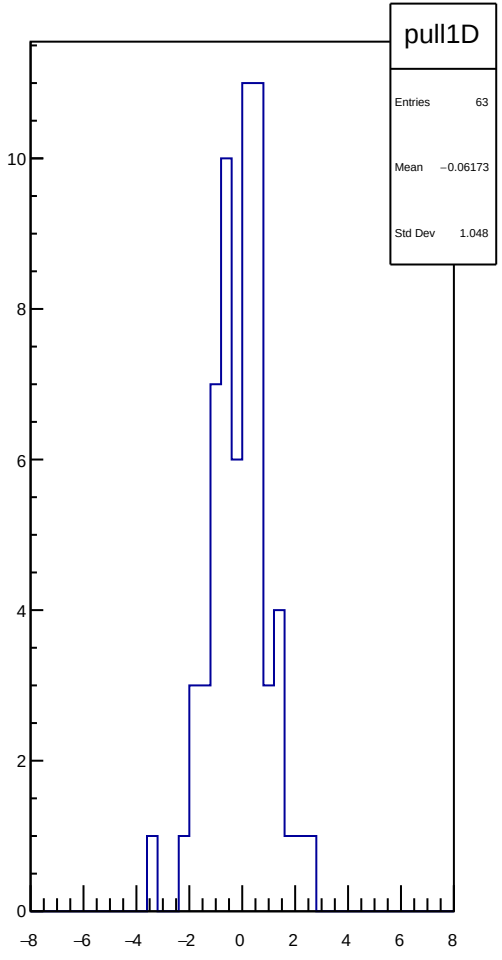

pull1D
Entries 63
Mean 0.01652
Std Dev 0.8052

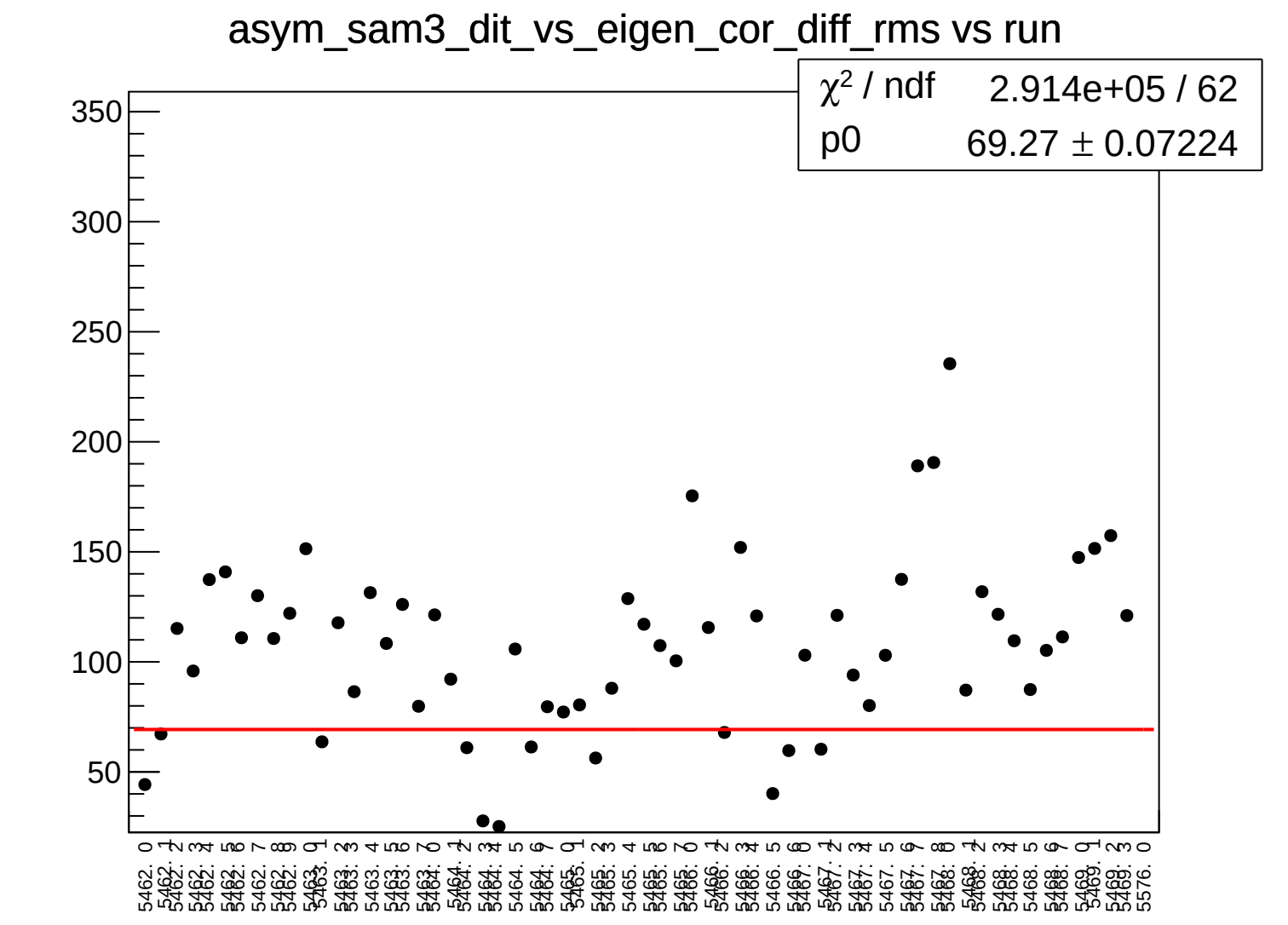

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 7.396e+05 / 62
p0 4.793e−11 ± 6.983e−14
0
1
2
3
4
5
6
7
8
9

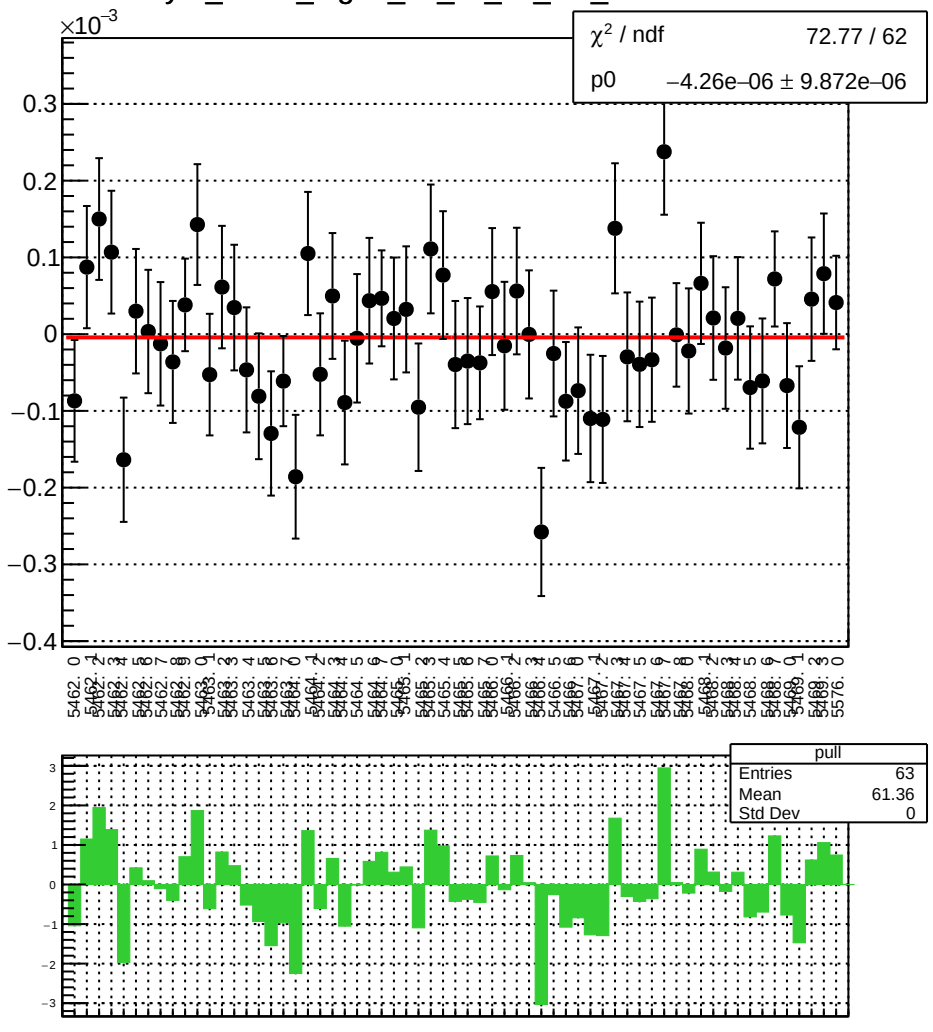

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 69.45 / 62
p0 −0.01972 ± 0.1022
pull
Entries 63
Mean 49.02
Std Dev 0
pull1D
Entries 63
Mean −0.06173
Std Dev 1.048

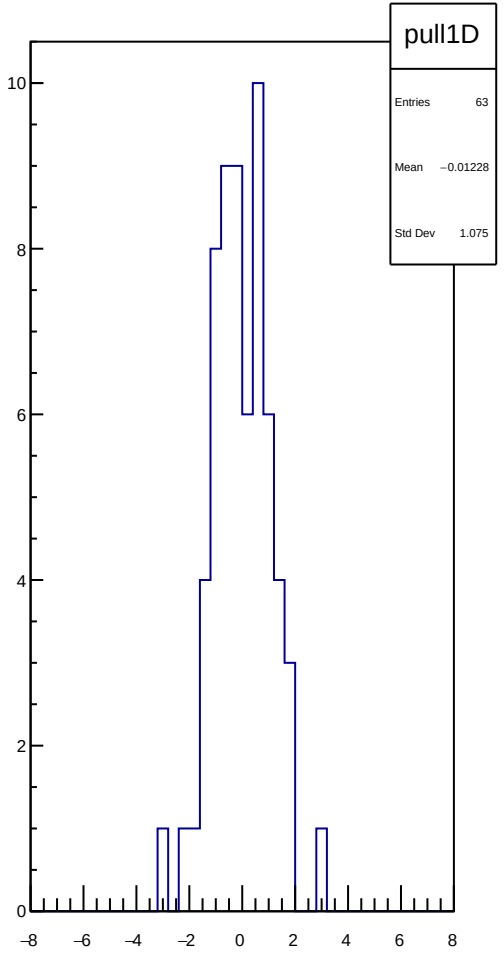

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 2.914e+05 / 62
p0 69.27 ± 0.07224
350
300
250
200
150
100
50

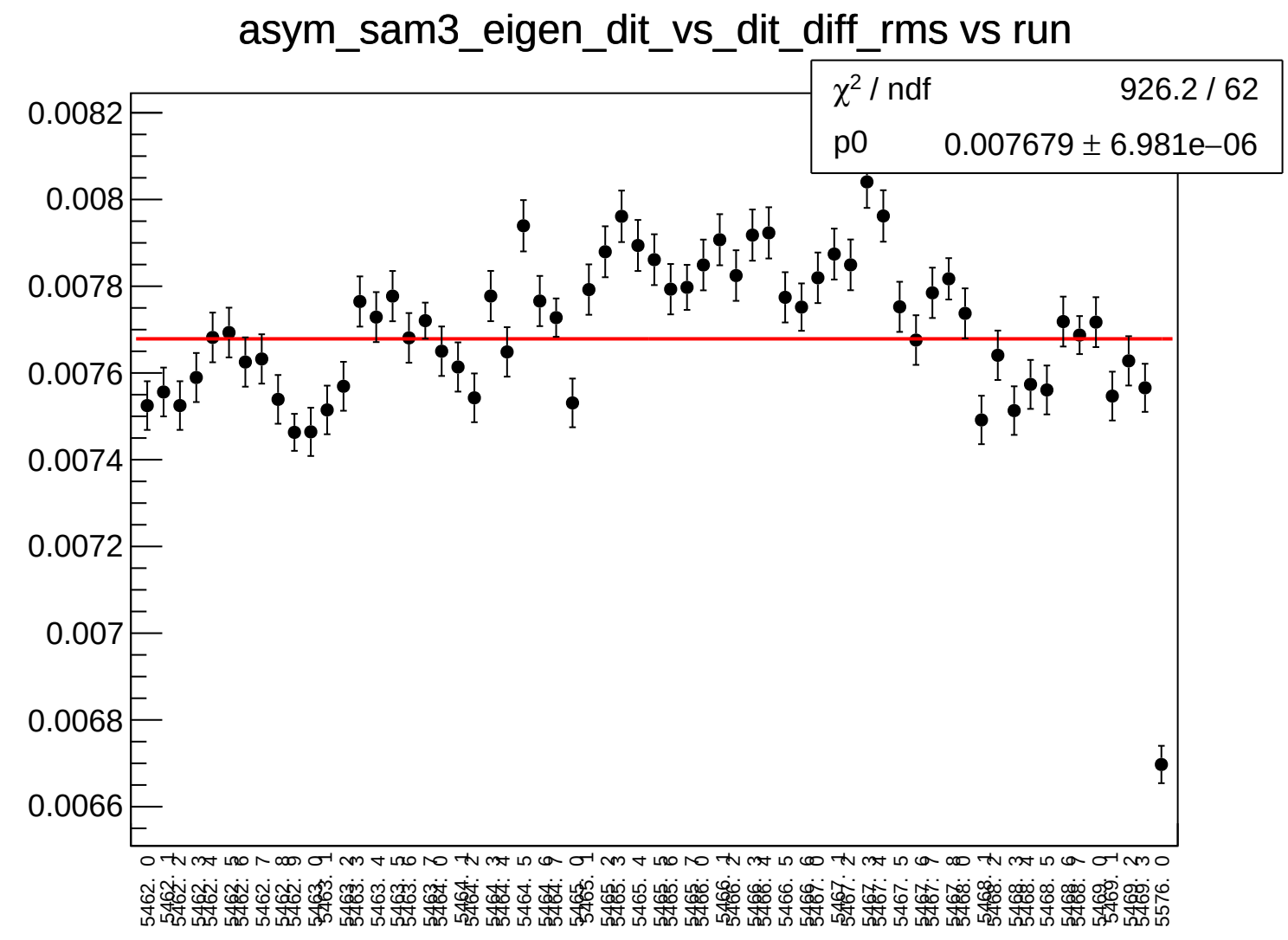

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.45 / 62
p0 −0.01972 ± 0.1022
pull
Entries 63
Mean 49.02
Std Dev 0

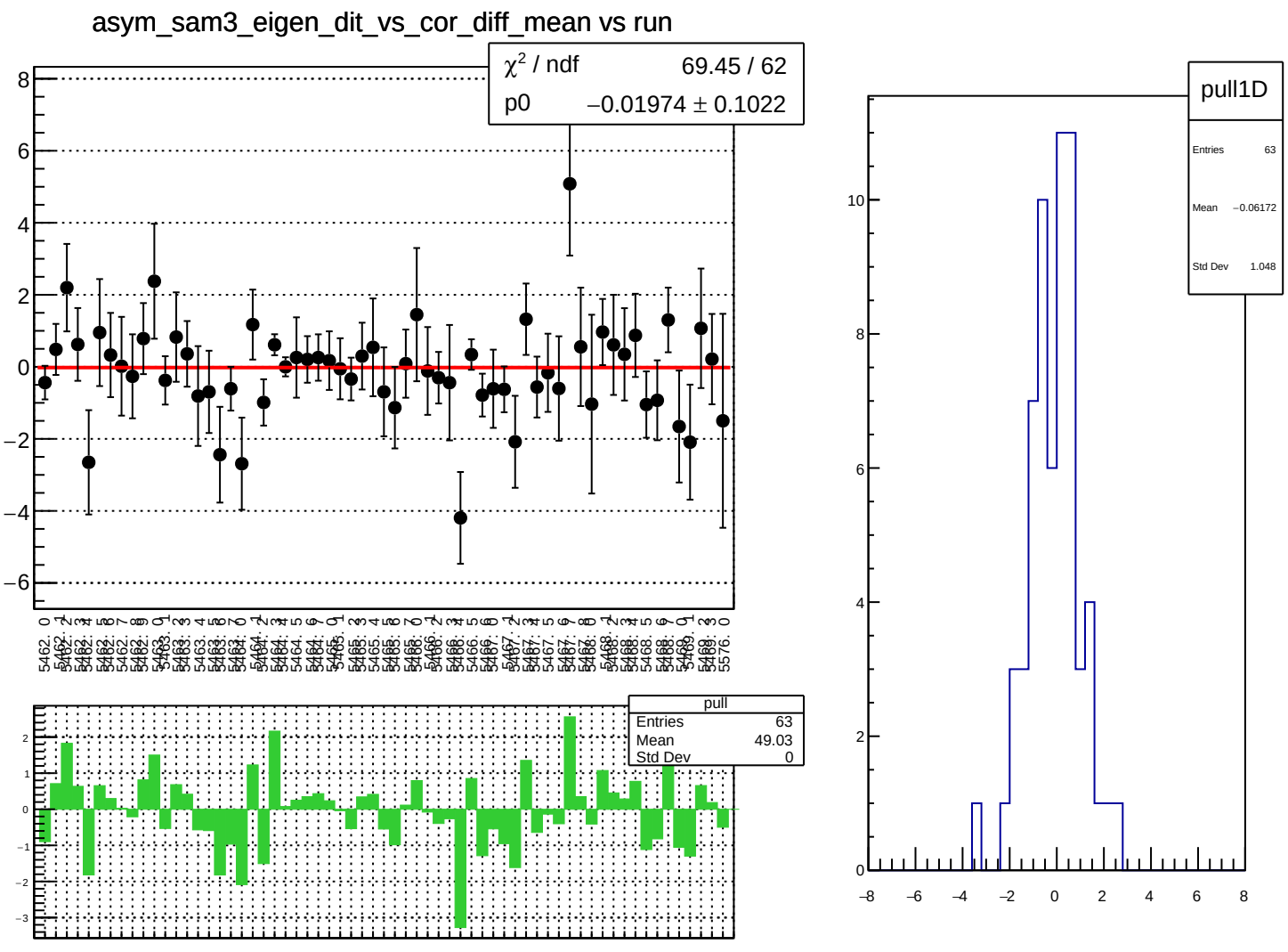

pull1D
Entries 63
Mean −0.06173
Std Dev 1.048

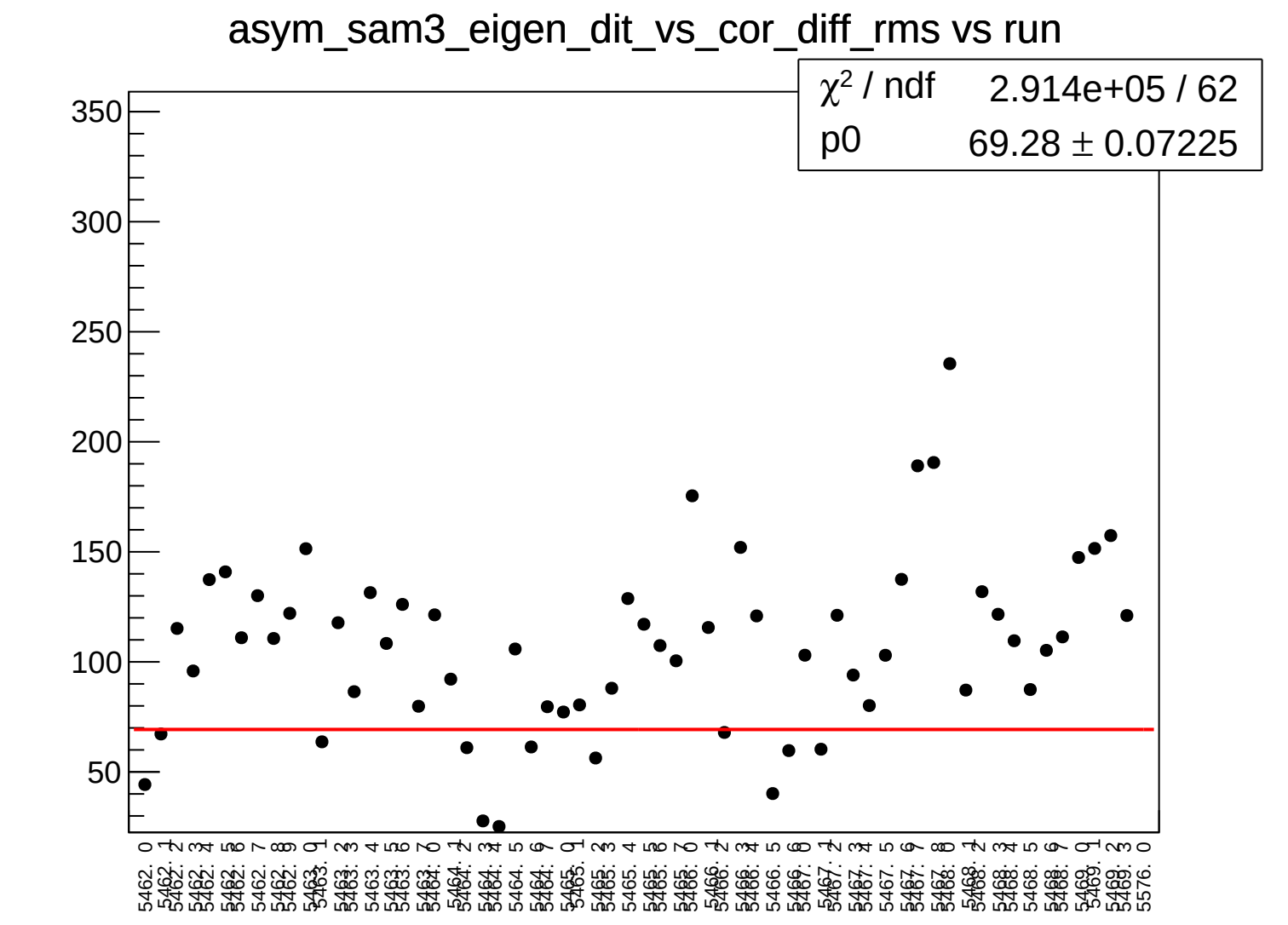

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.914e+05 / 62
p0 69.27 ± 0.07224
350
300
250
200
150
100
50

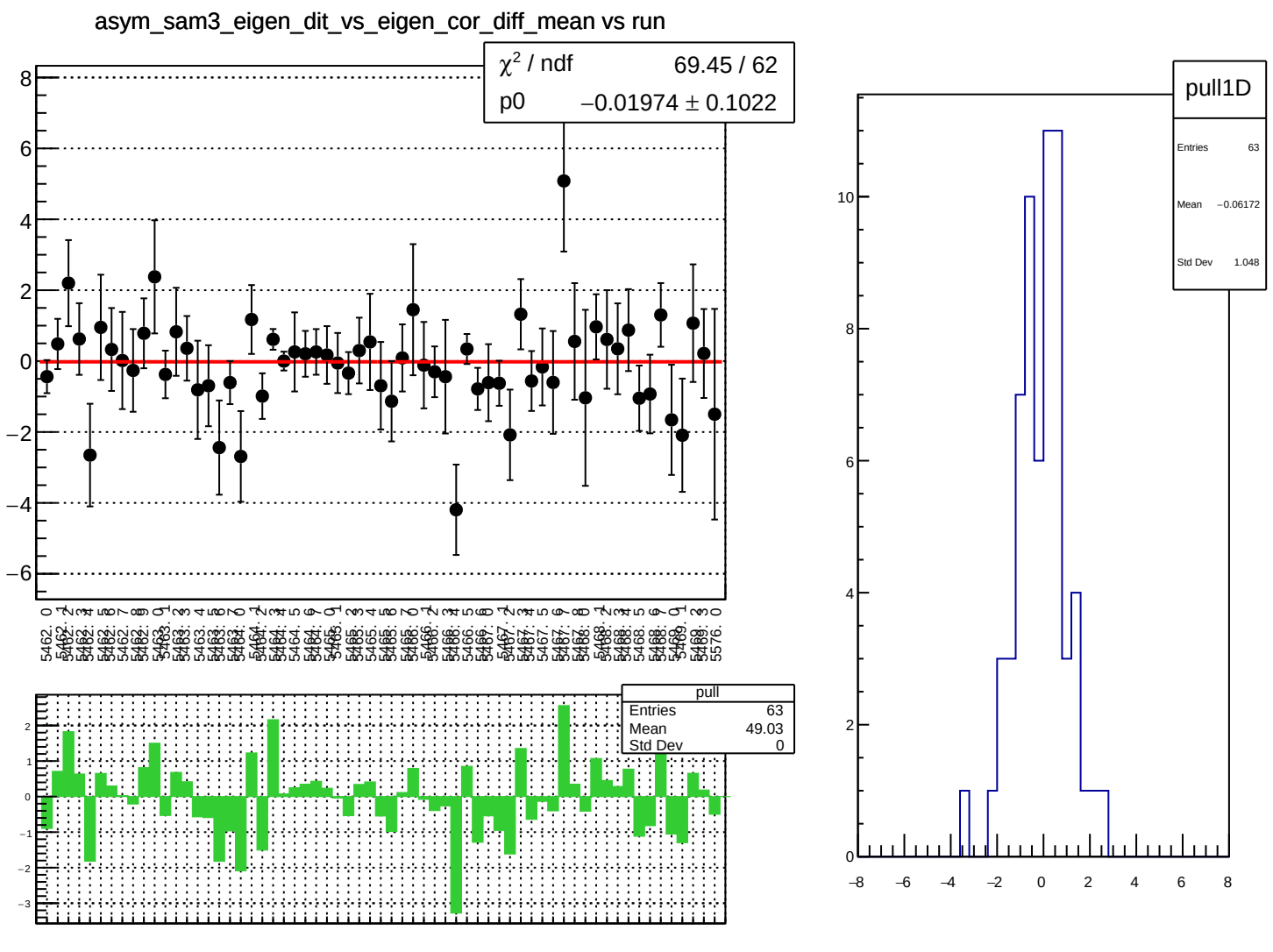

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.77 / 62
p0 −4.26e−06 ± 9.872e−06
pull
Entries 63
Mean 61.36
Std Dev 0

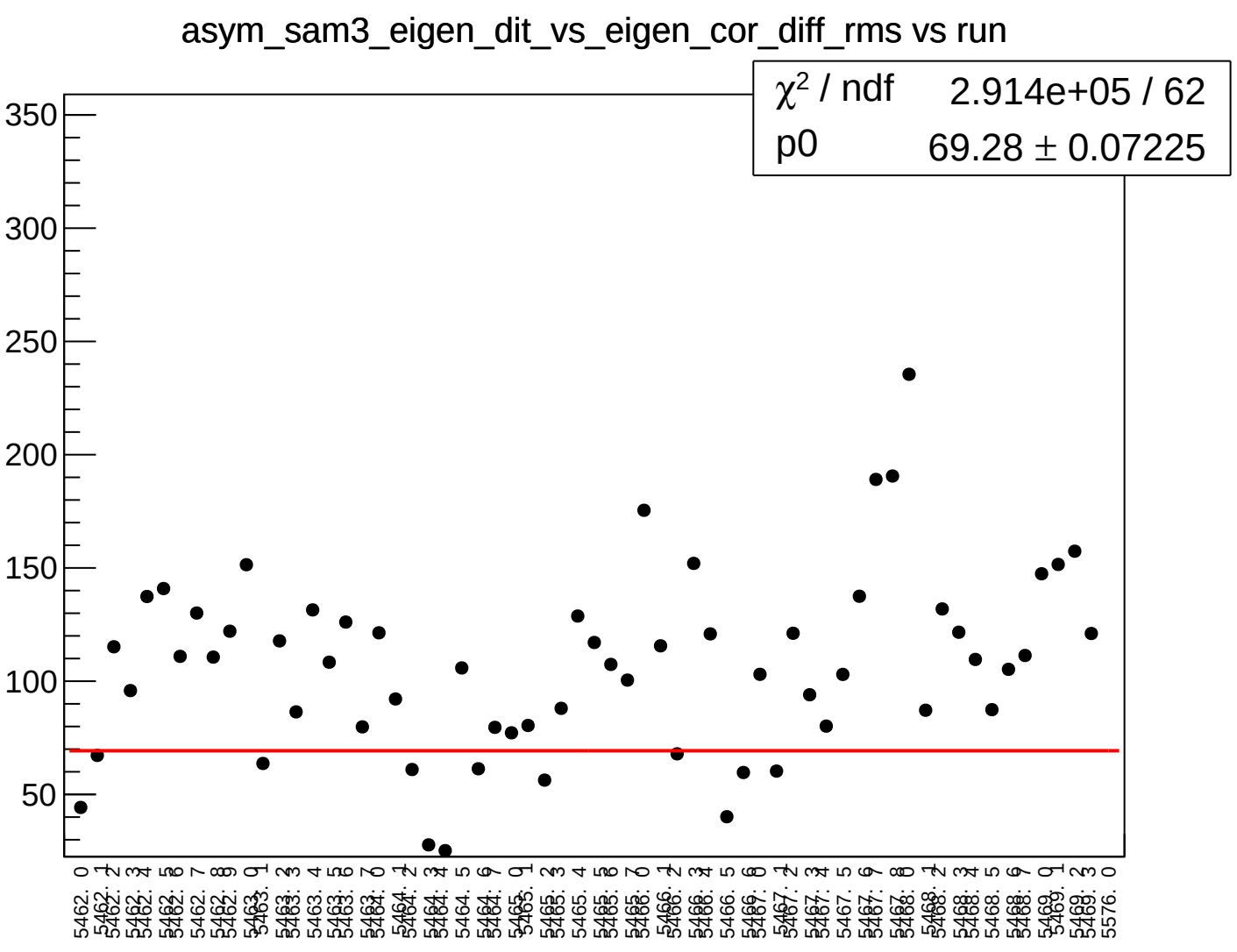

pull1D
Entries 63
Mean −0.01228
Std Dev 1.075

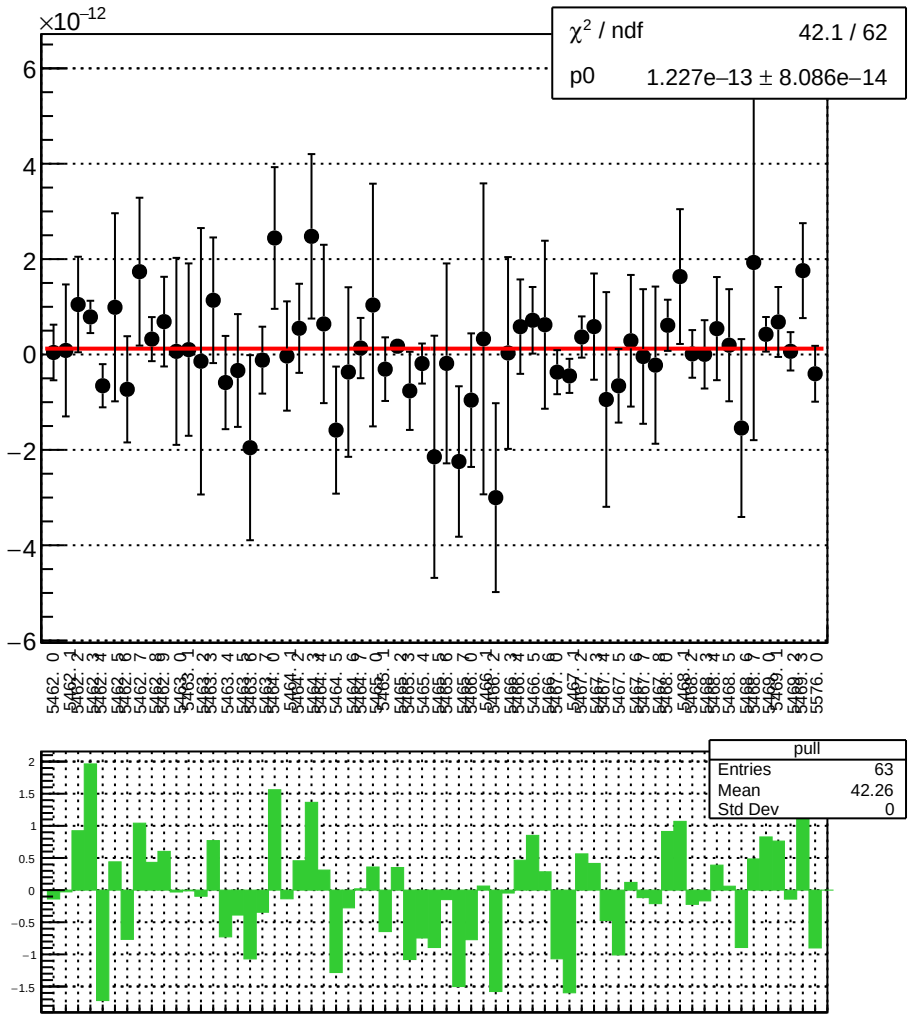

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 926.2 / 62
p0 0.007679 ± 6.981e−06
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066

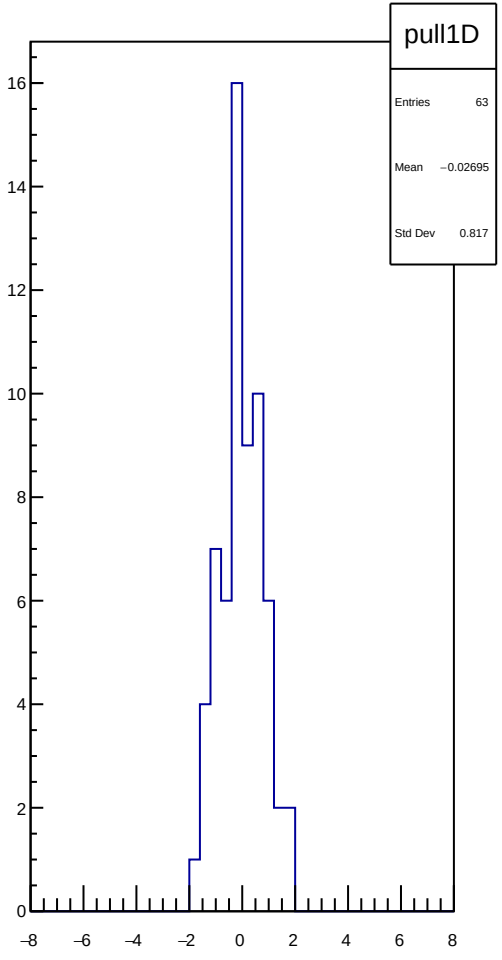

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.45 / 62
p0 −0.01974 ± 0.1022
pull
Entries 63
Mean 49.03
Std Dev 0
pull1D
Entries 63
Mean −0.06172
Std Dev 1.048

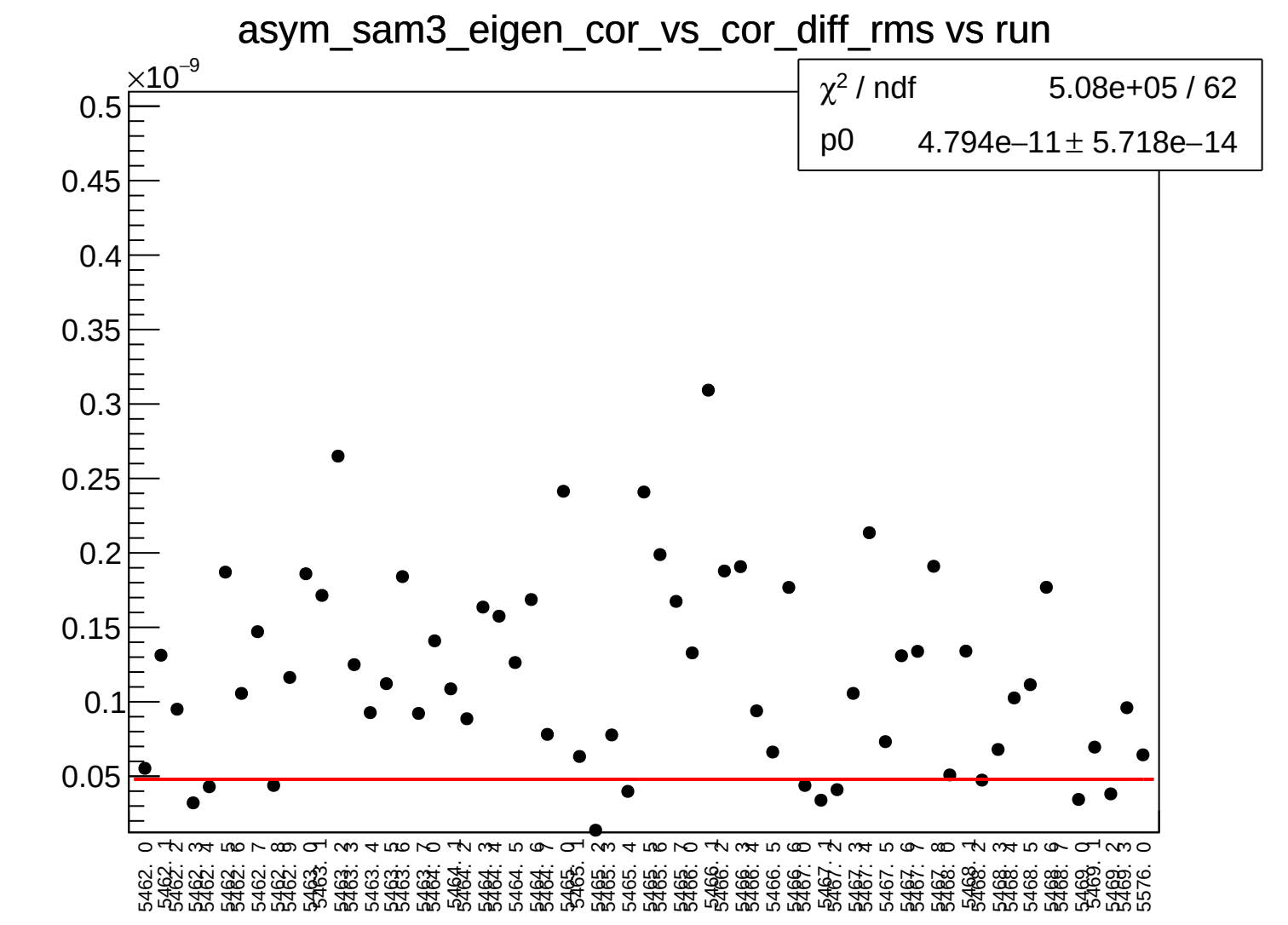

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.914e+05 / 62
p0 69.28 ± 0.07225
350
300
250
200
150
100
50

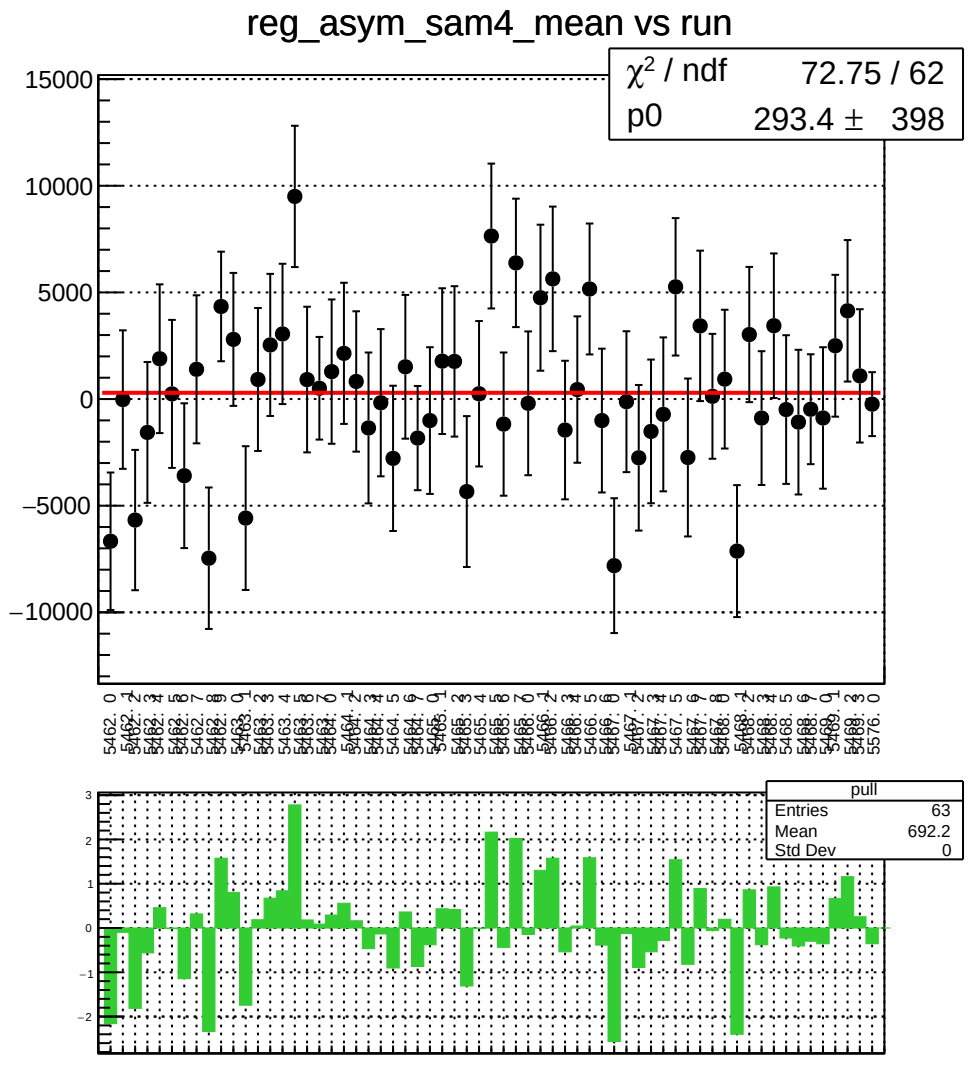

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.45 / 62
p0 −0.01974 ± 0.1022
pull
Entries 63
Mean 49.03
Std Dev 0
pull1D
Entries 63
Mean −0.06172
Std Dev 1.048

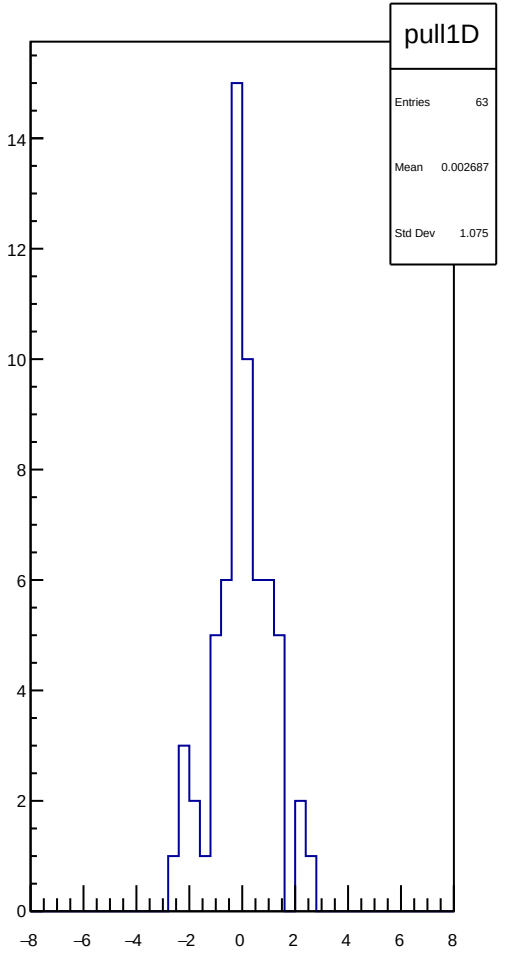

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.914e+05 / 62
p0 69.28 ± 0.07225
350
300
250
200
150
100
50

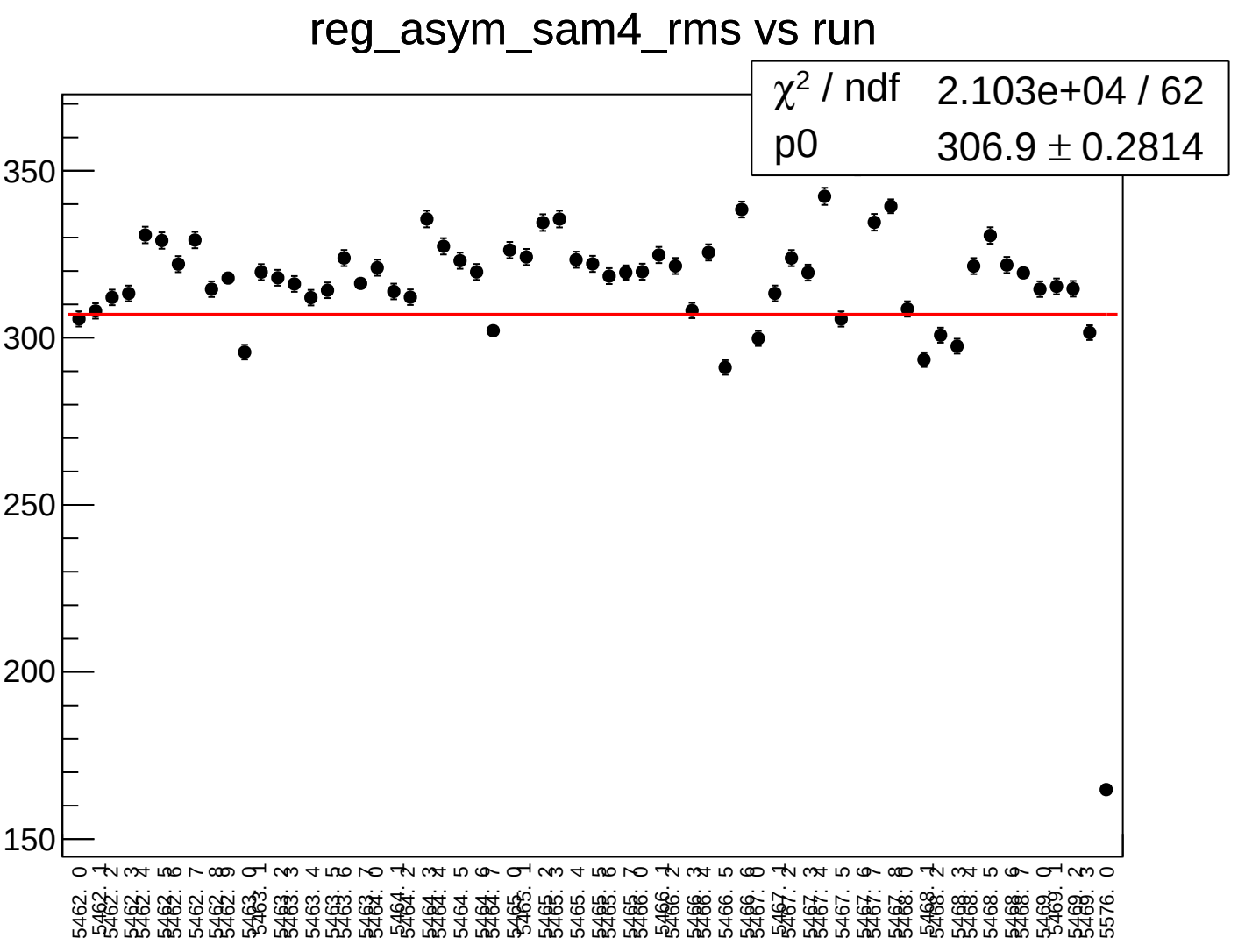

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.1 / 62
p0 1.227e−13 ± 8.086e−14
pull
Entries 63
Mean 42.26
Std Dev 0

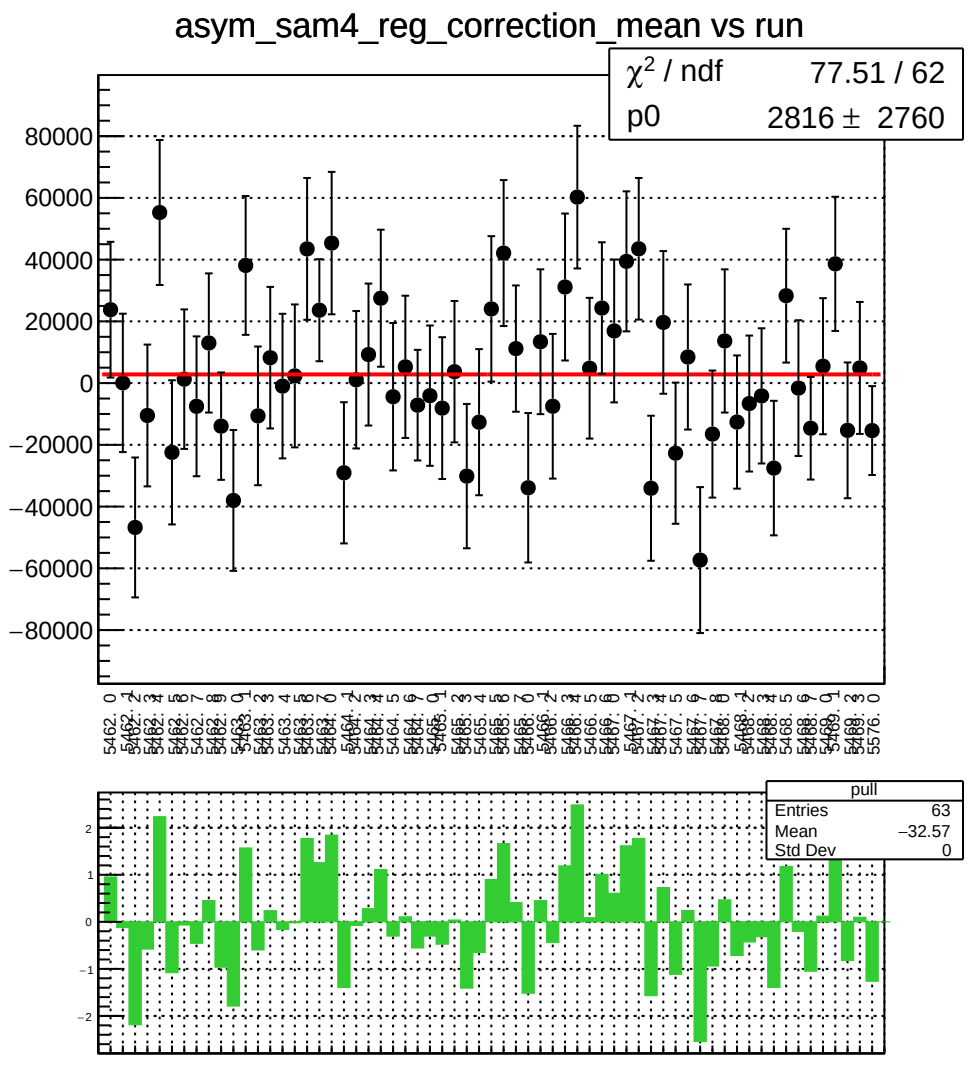

pull1D
Entries 63
Mean −0.02695
Std Dev 0.817

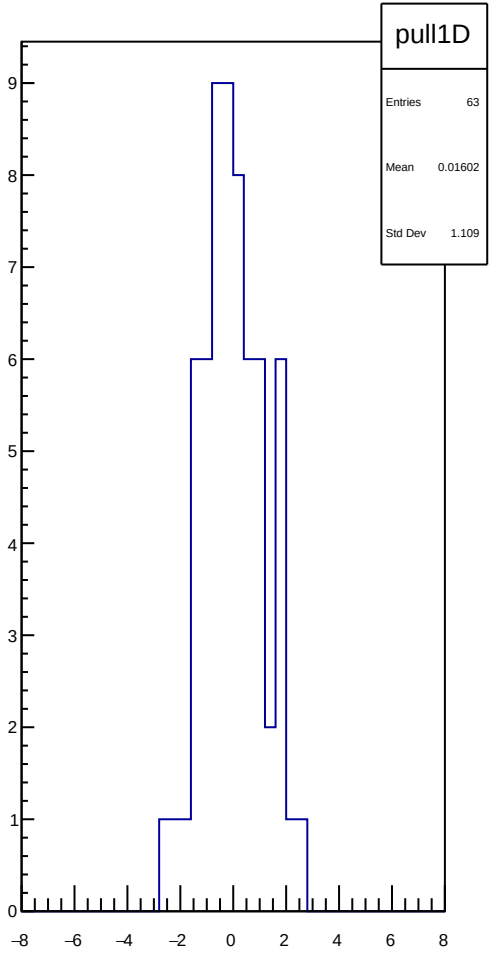

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.08e+05 / 62
p0 4.794e−11 ± 5.718e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

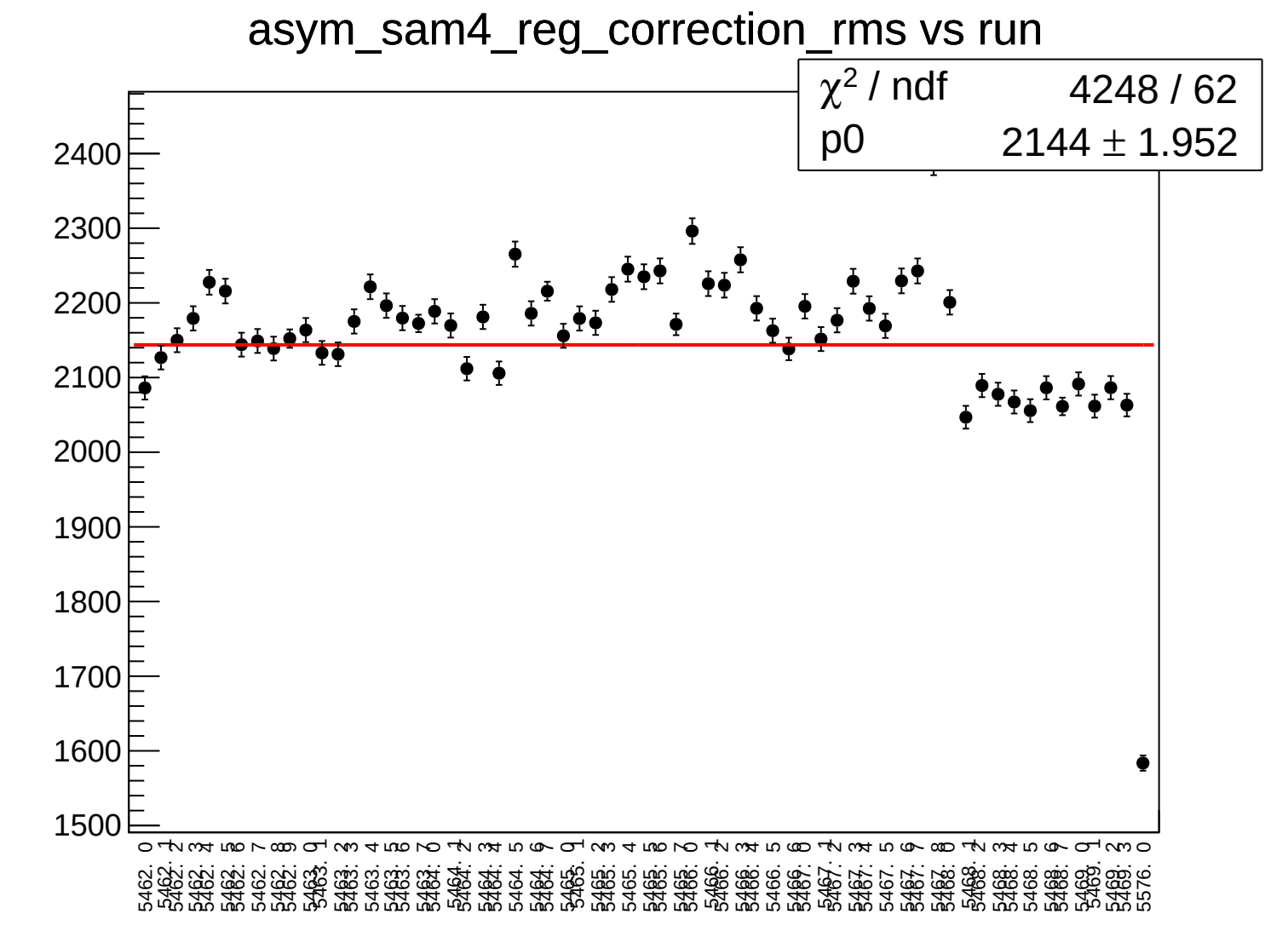

reg_asym_sam4_mean vs run
χ² / ndf 72.75 / 62
p0 293.4 ± 398
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 692.2
Std Dev 0
3
2
1
0
−1
−2

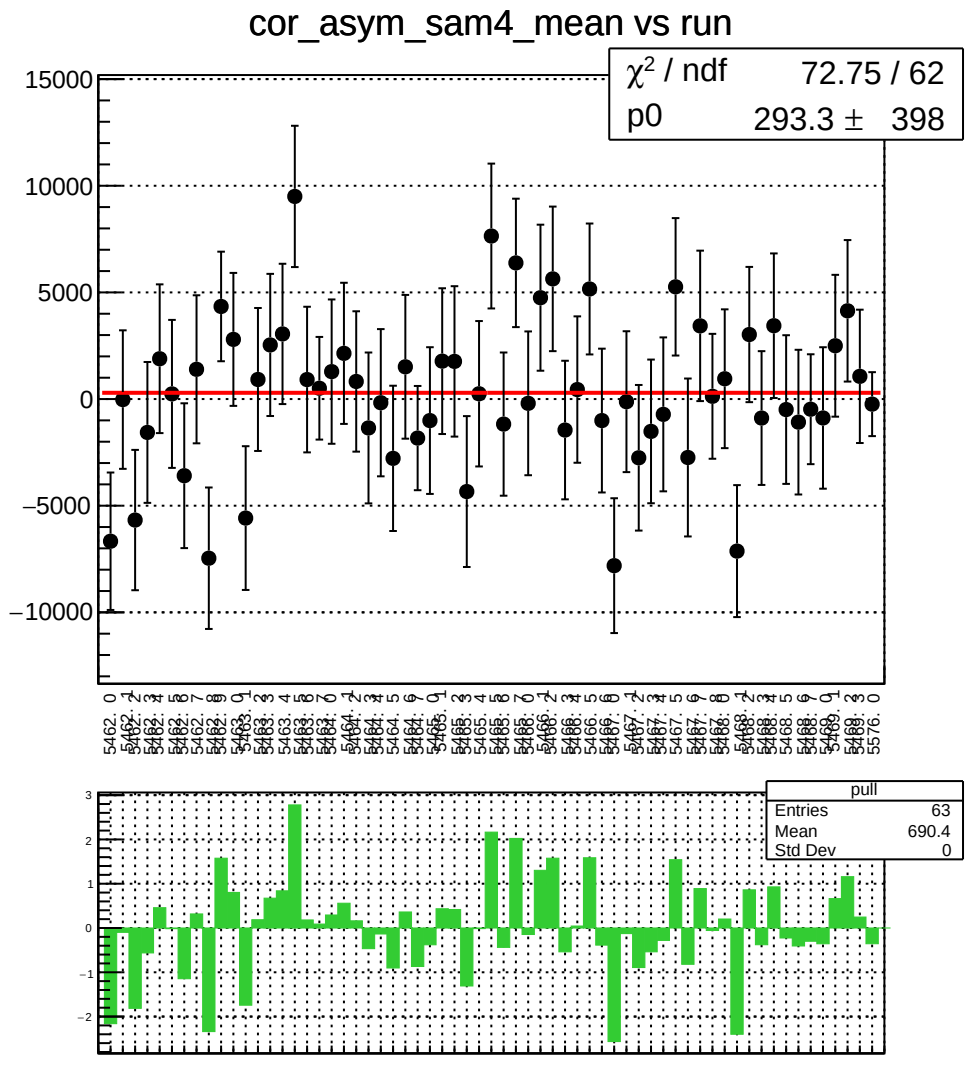

pull1D
Entries 63
Mean 0.002687
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

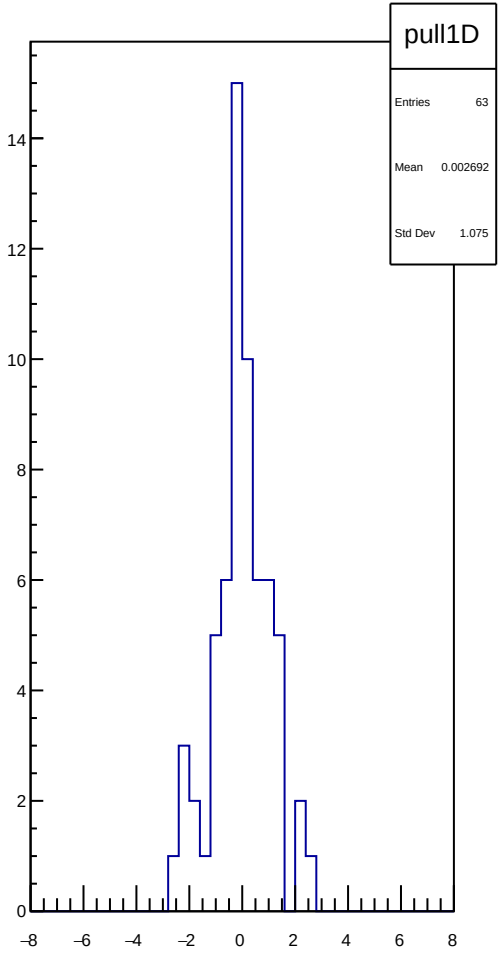

reg_asym_sam4_rms vs run
χ² / ndf 2.103e+04 / 62
p0 306.9 ± 0.2814
350
300
250
200
150

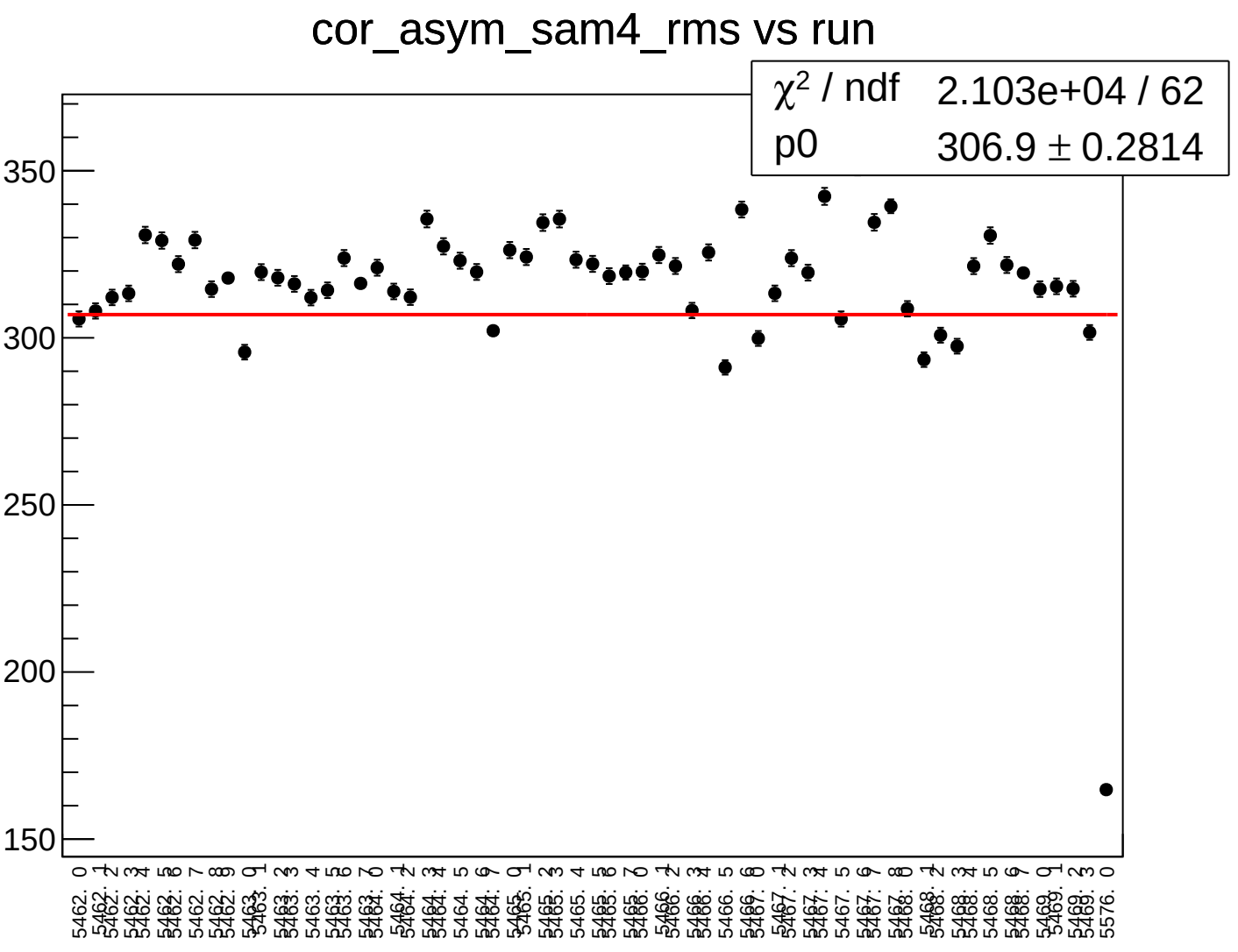

asym_sam4_reg_correction_mean vs run
χ² / ndf 77.51 / 62
p0 2816 ± 2760
pull
Entries 63
Mean −32.57
Std Dev 0

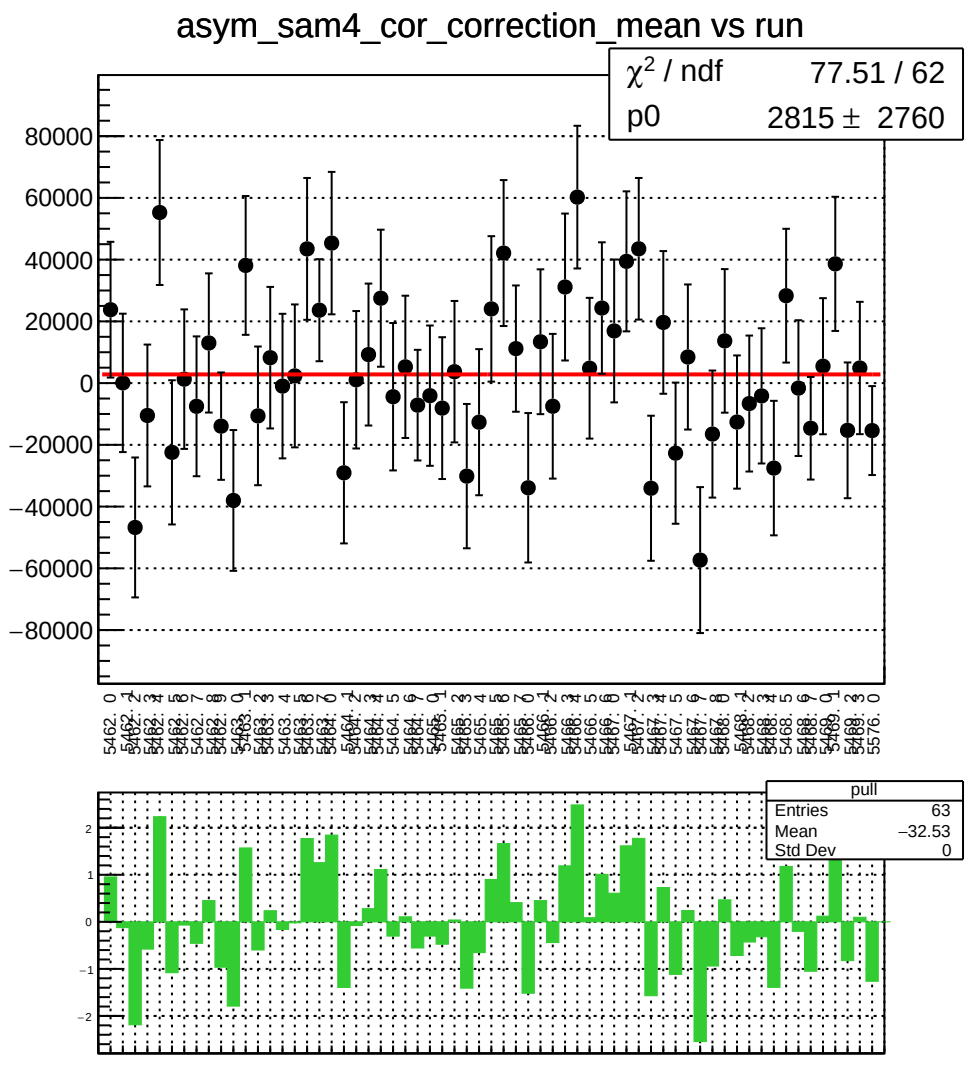

pull1D
Entries 63
Mean 0.01602
Std Dev 1.109

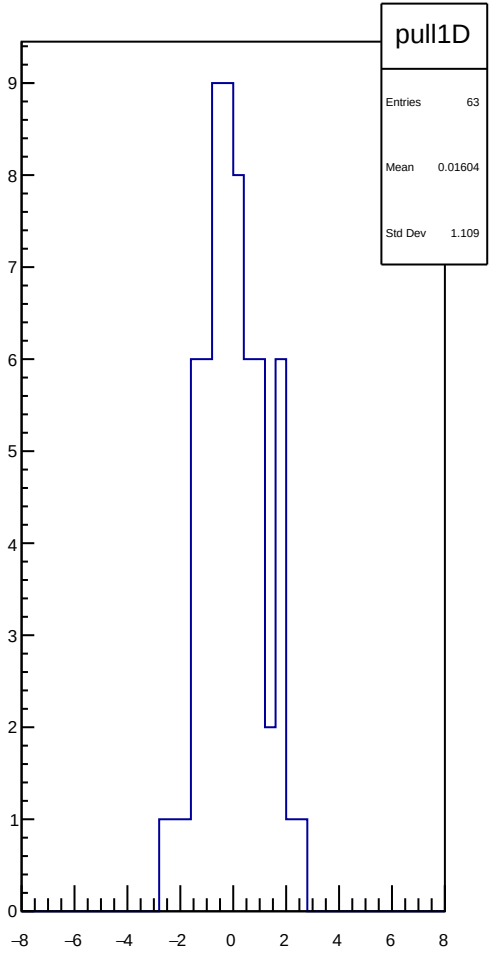

asym_sam4_reg_correction_rms vs run
χ² / ndf 4248 / 62
p0 2144 ± 1.952
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

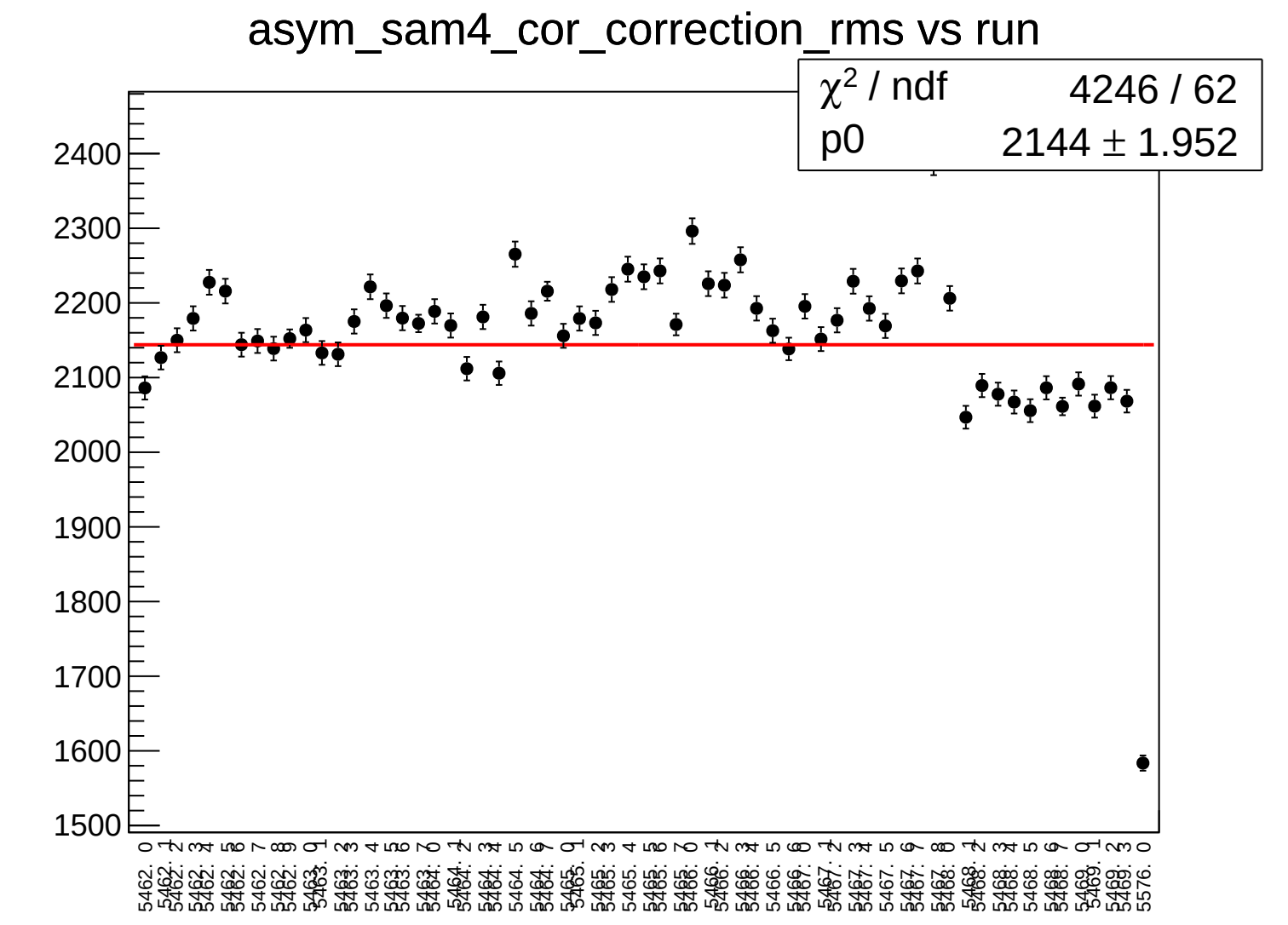

cor_asym_sam4_mean vs run
χ² / ndf 72.75 / 62
p0 293.3 ± 398
pull
Entries 63
Mean 690.4
Std Dev 0

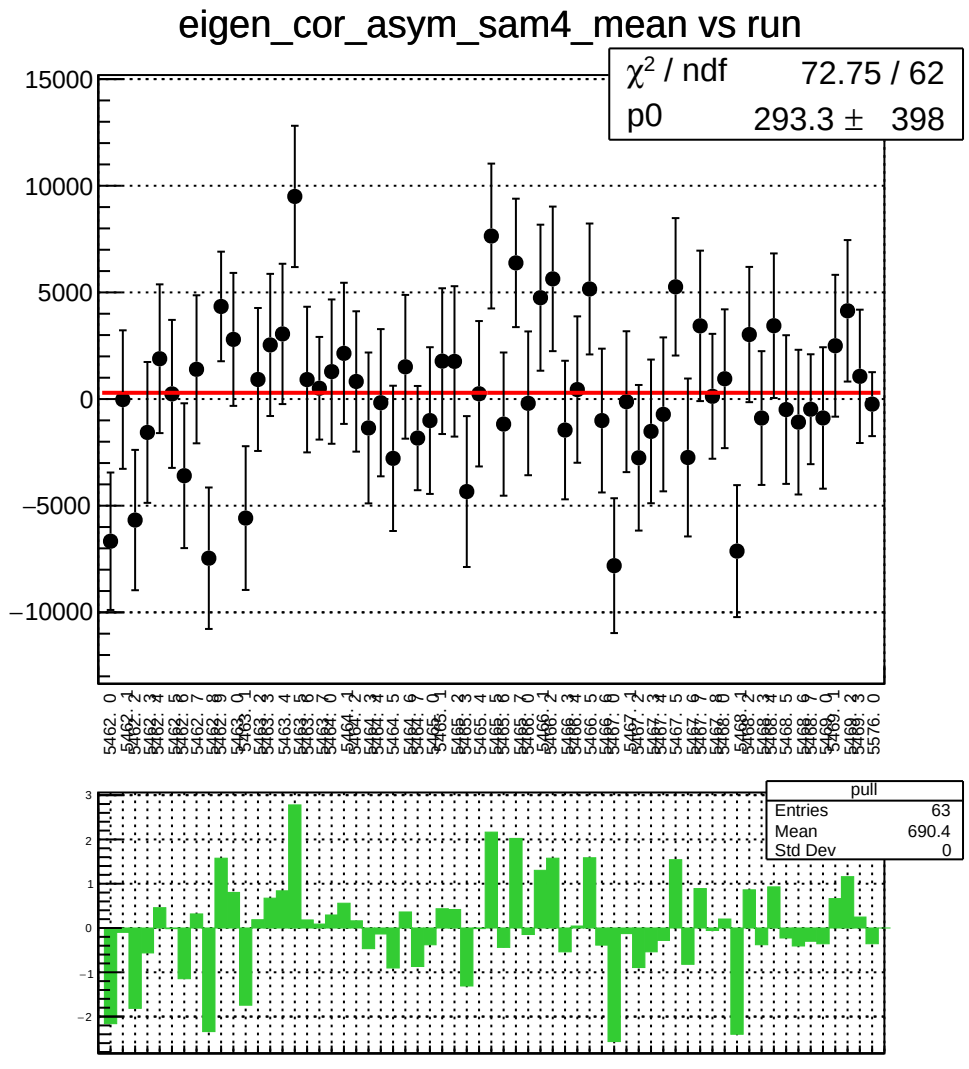

pull1D
Entries 63
Mean 0.002692
Std Dev 1.075

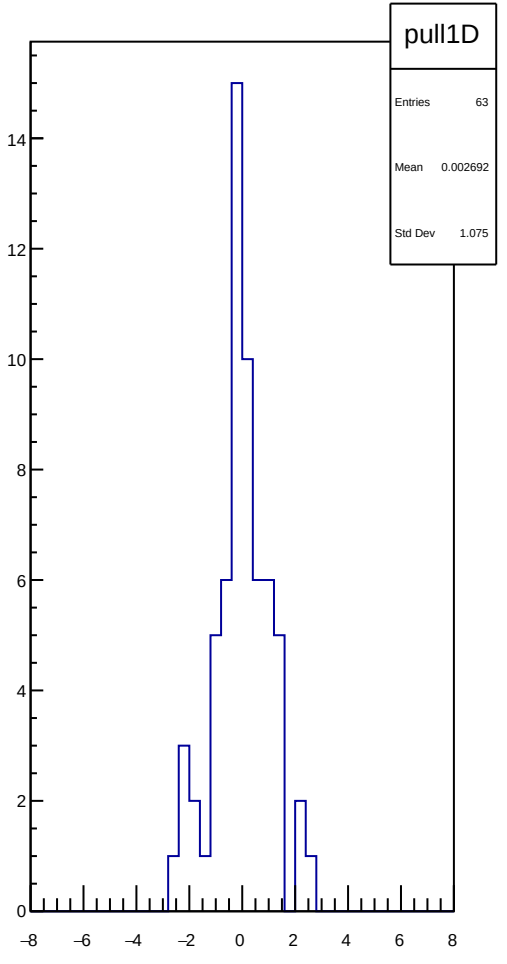

cor_asym_sam4_rms vs run
χ² / ndf 2.103e+04 / 62
p0 306.9 ± 0.2814
350
300
250
200
150

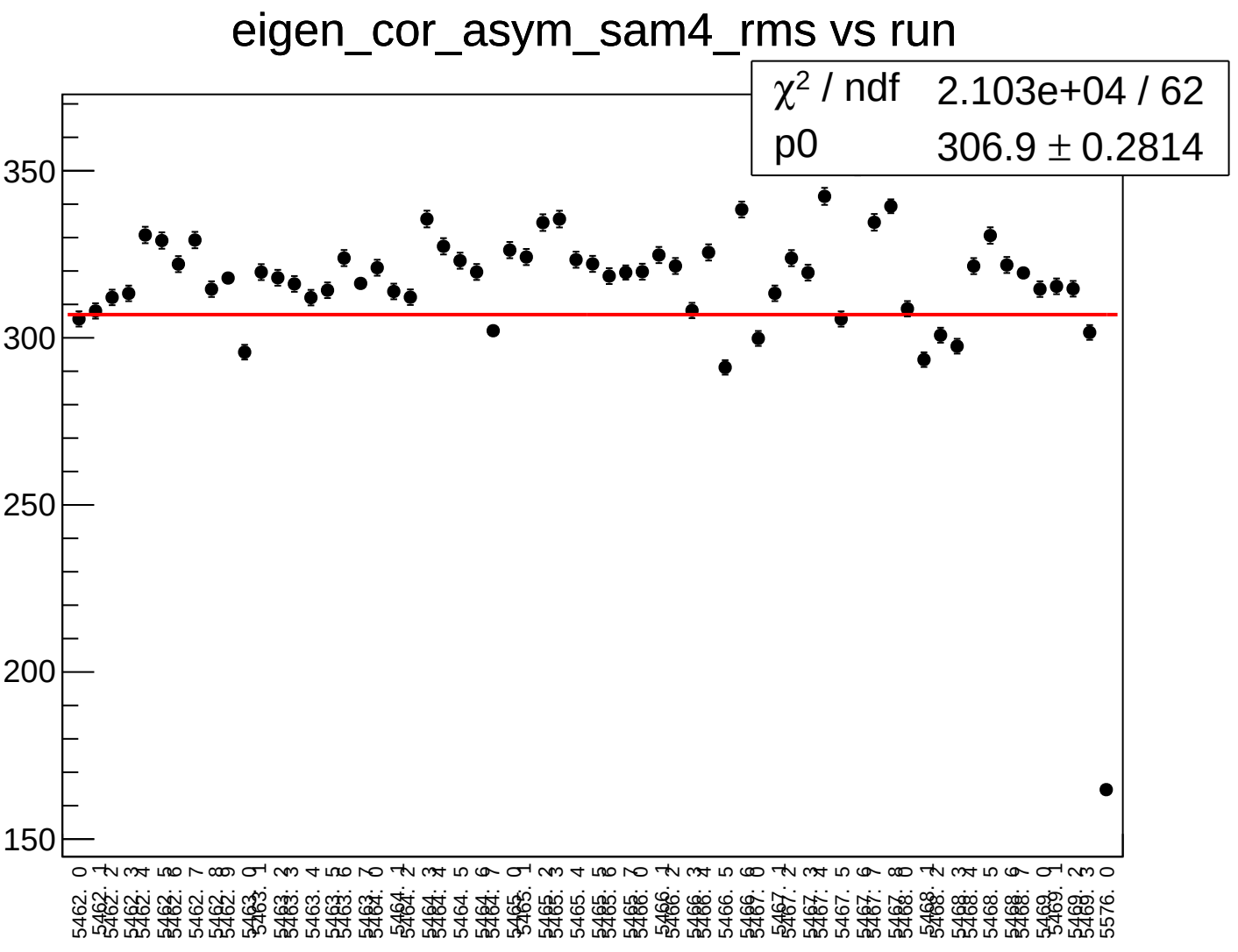

asym_sam4_cor_correction_mean vs run
χ² / ndf 77.51 / 62
p0 2815 ± 2760
pull
Entries 63
Mean −32.53
Std Dev 0

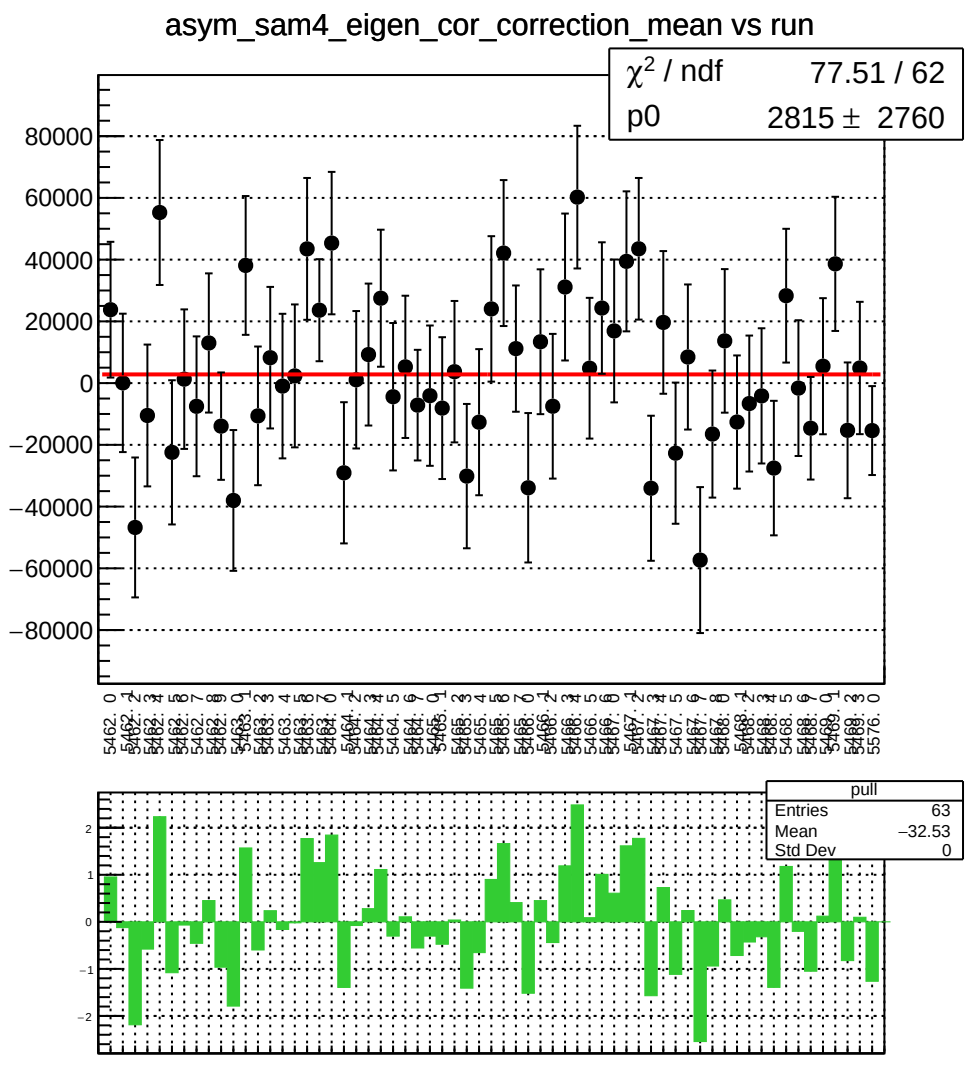

pull1D
Entries 63
Mean 0.01604
Std Dev 1.109

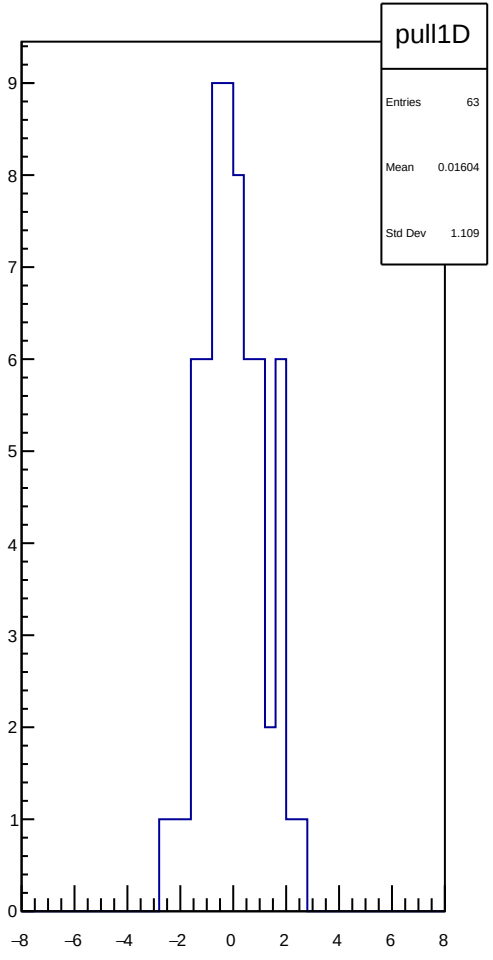

asym_sam4_cor_correction_rms vs run
χ² / ndf 4246 / 62
p0 2144 ± 1.952
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

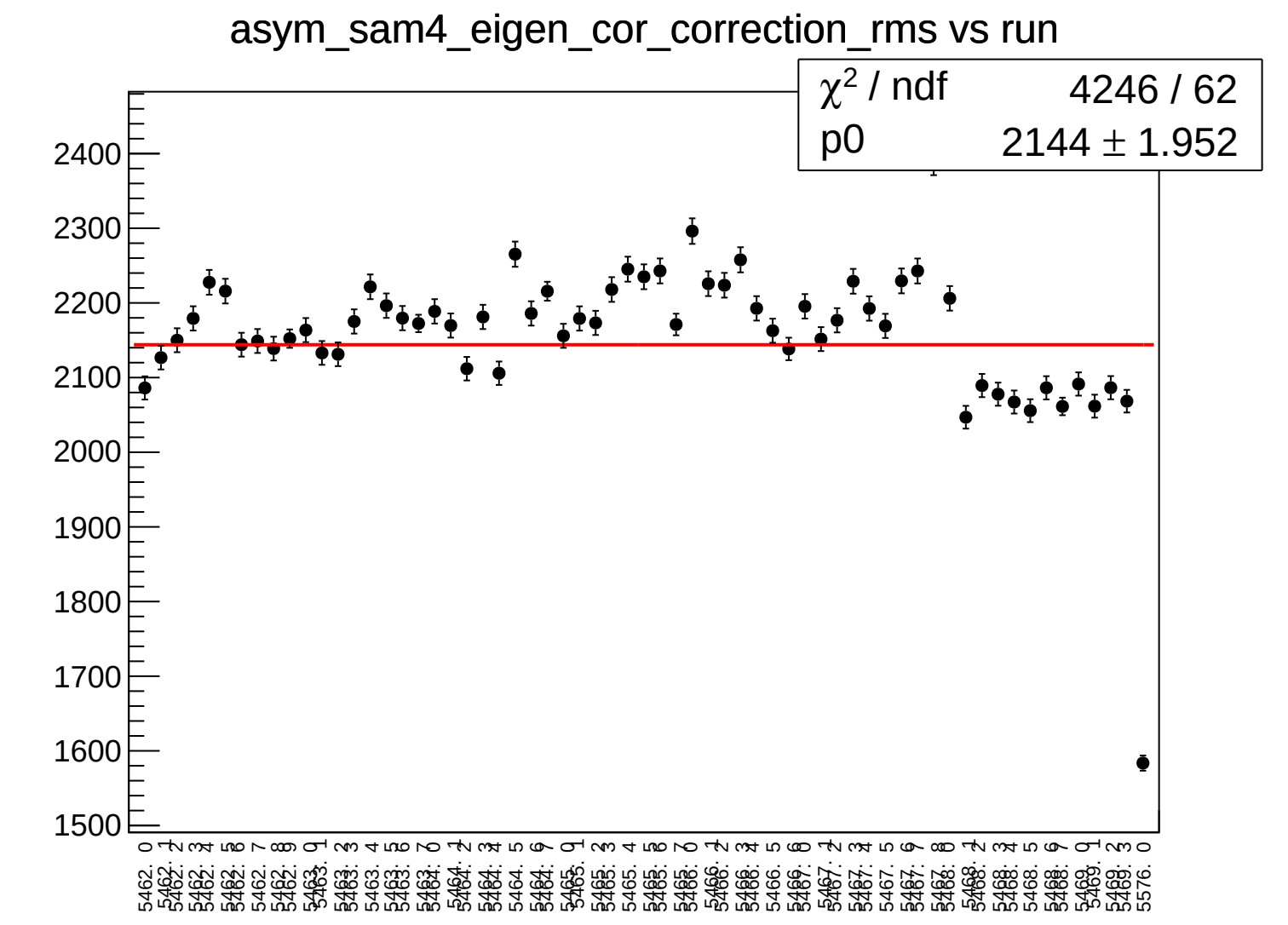

eigen_cor_asym_sam4_mean vs run
χ² / ndf 72.75 / 62
p0 293.3 ± 398
15000
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 690.4
Std Dev 0
3
2
1
0
−1
−2

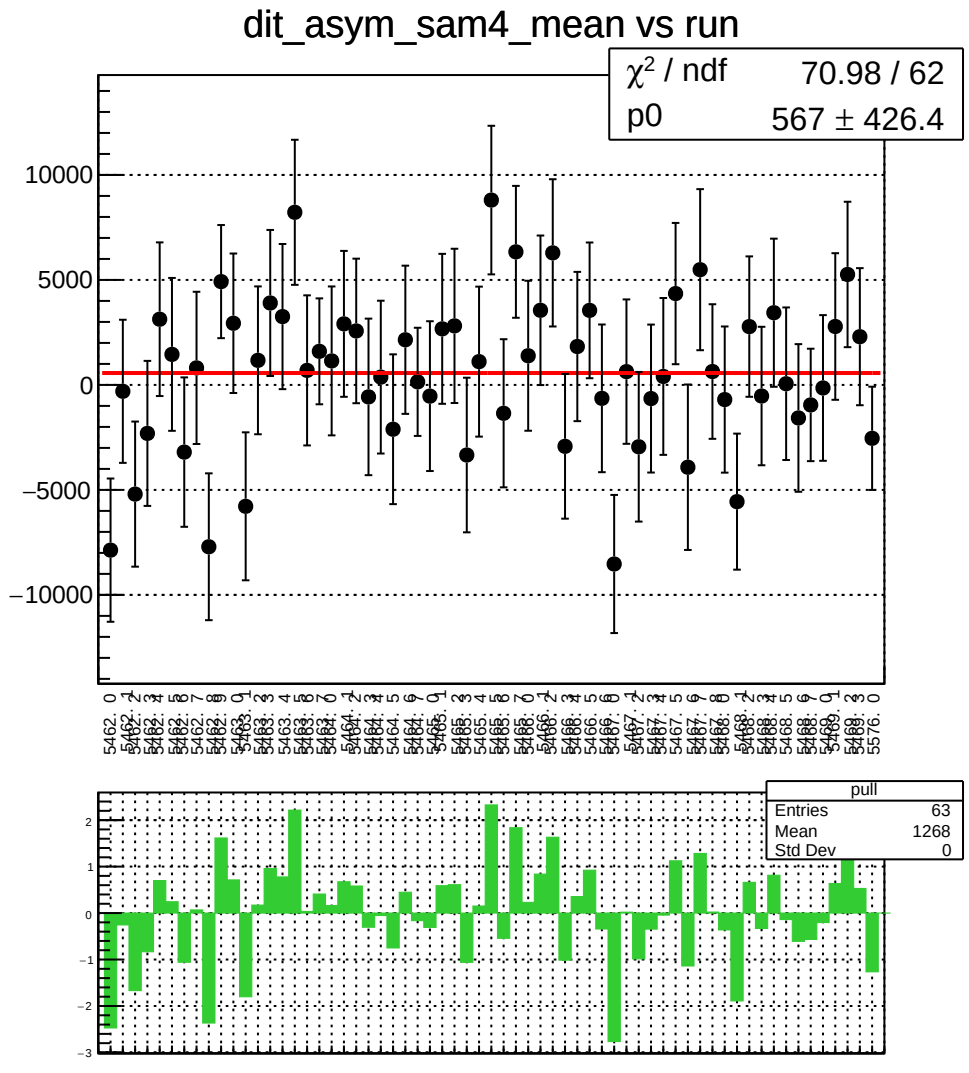

pull1D
Entries 63
Mean 0.002692
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

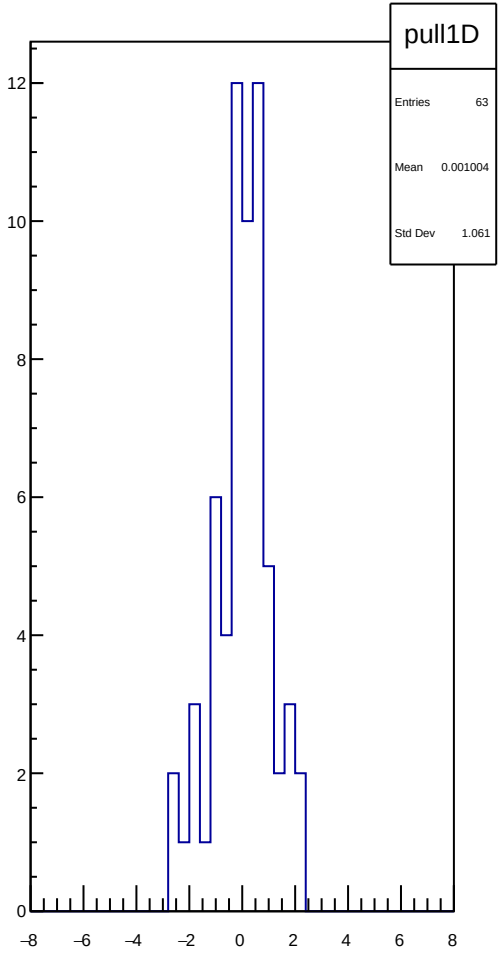

eigen_cor_asym_sam4_rms vs run
χ² / ndf 2.103e+04 / 62
p0 306.9 ± 0.2814
350
300
250
200
150

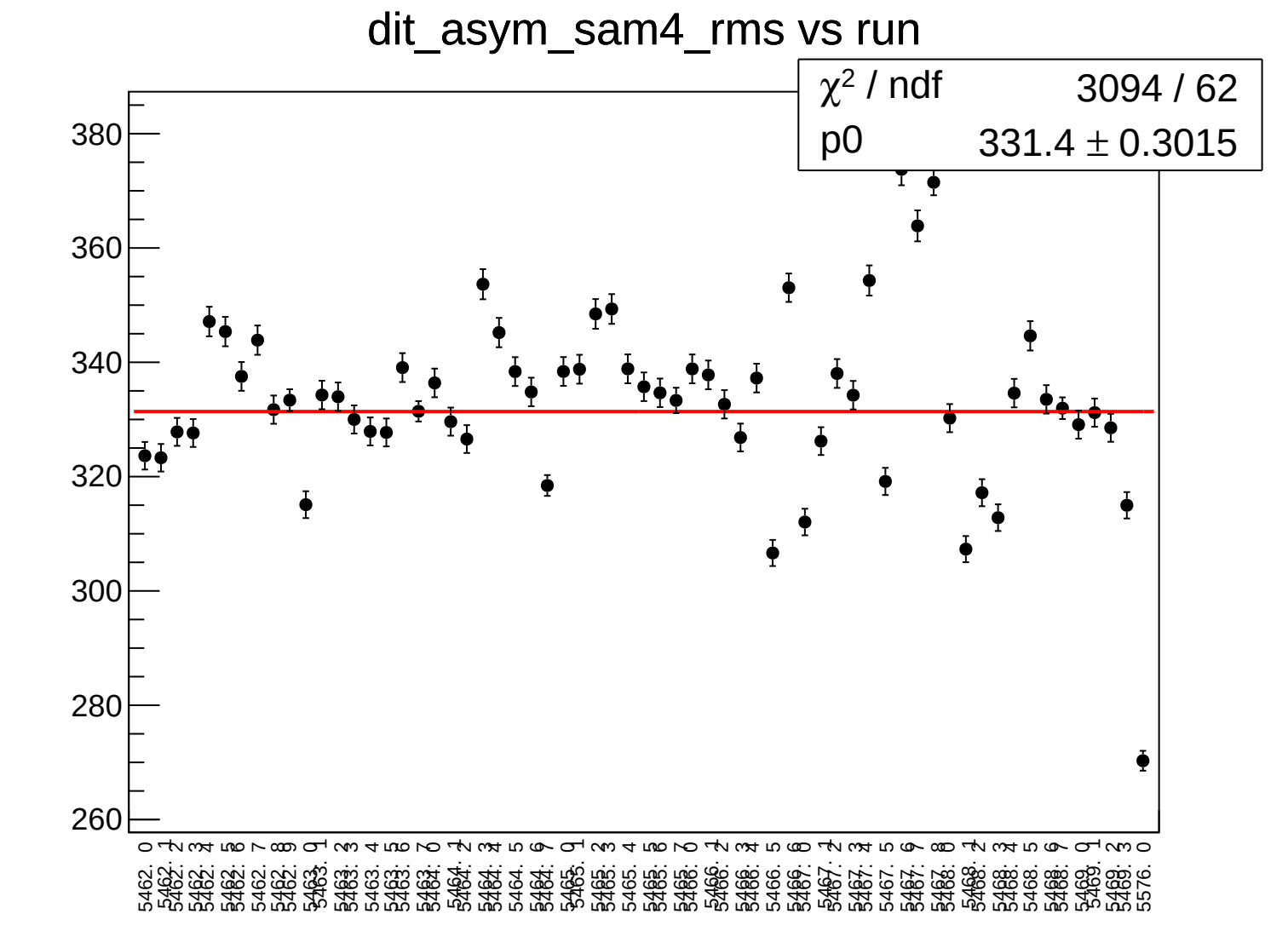

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 77.51 / 62
p0 2815 ± 2760
pull
Entries 63
Mean −32.53
Std Dev 0

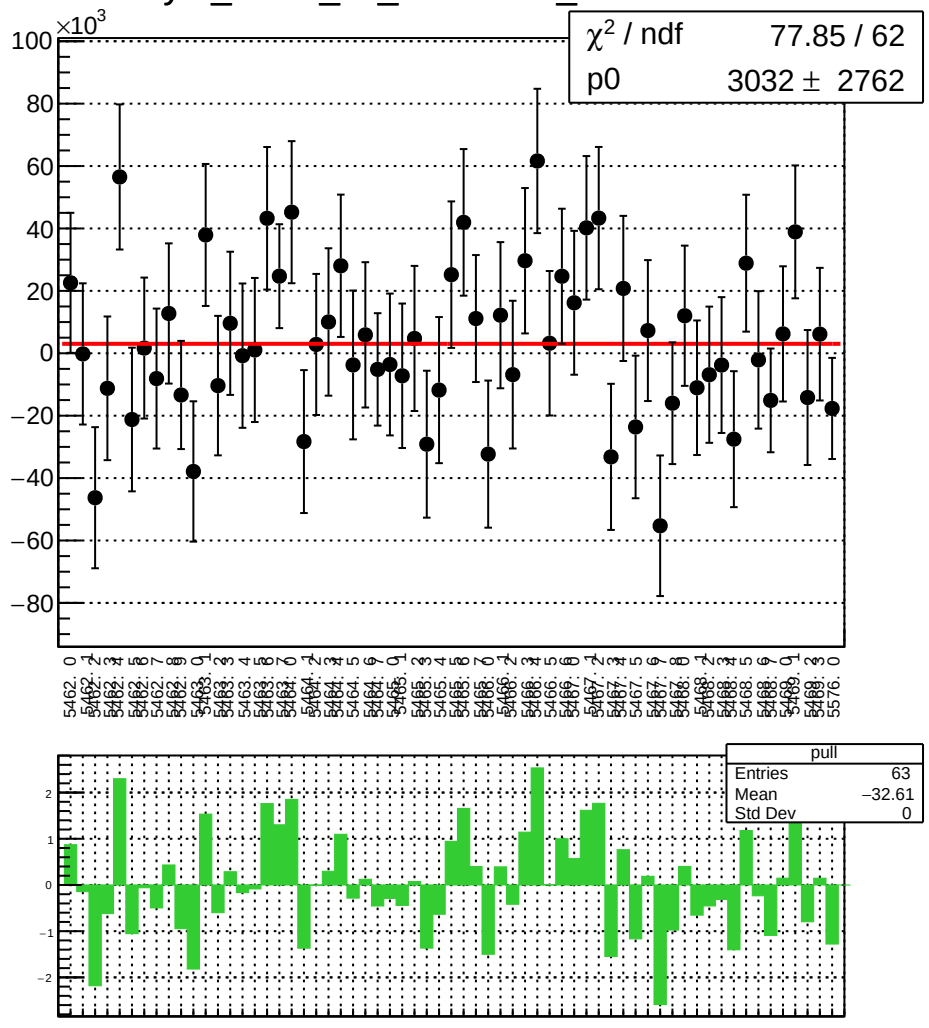

pull1D
Entries 63
Mean 0.01604
Std Dev 1.109

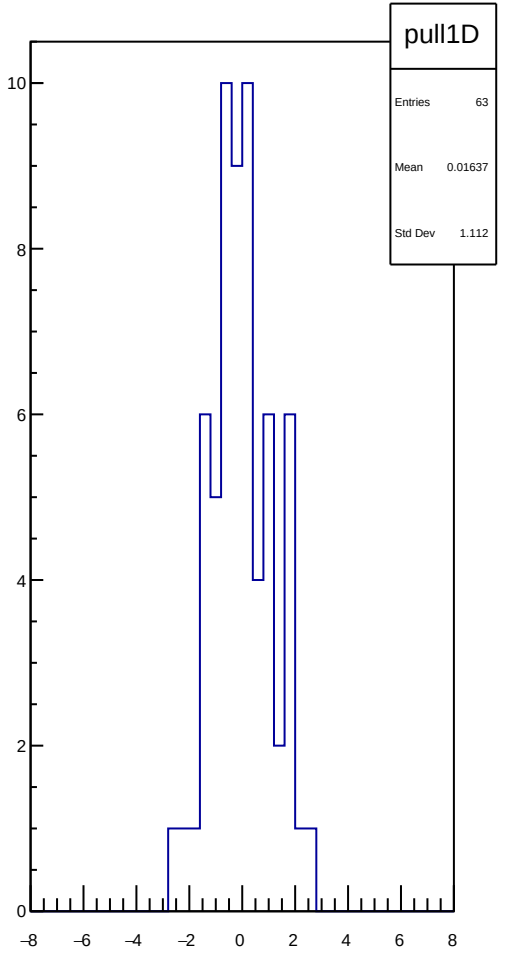

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 4246 / 62
p0 2144 ± 1.952
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

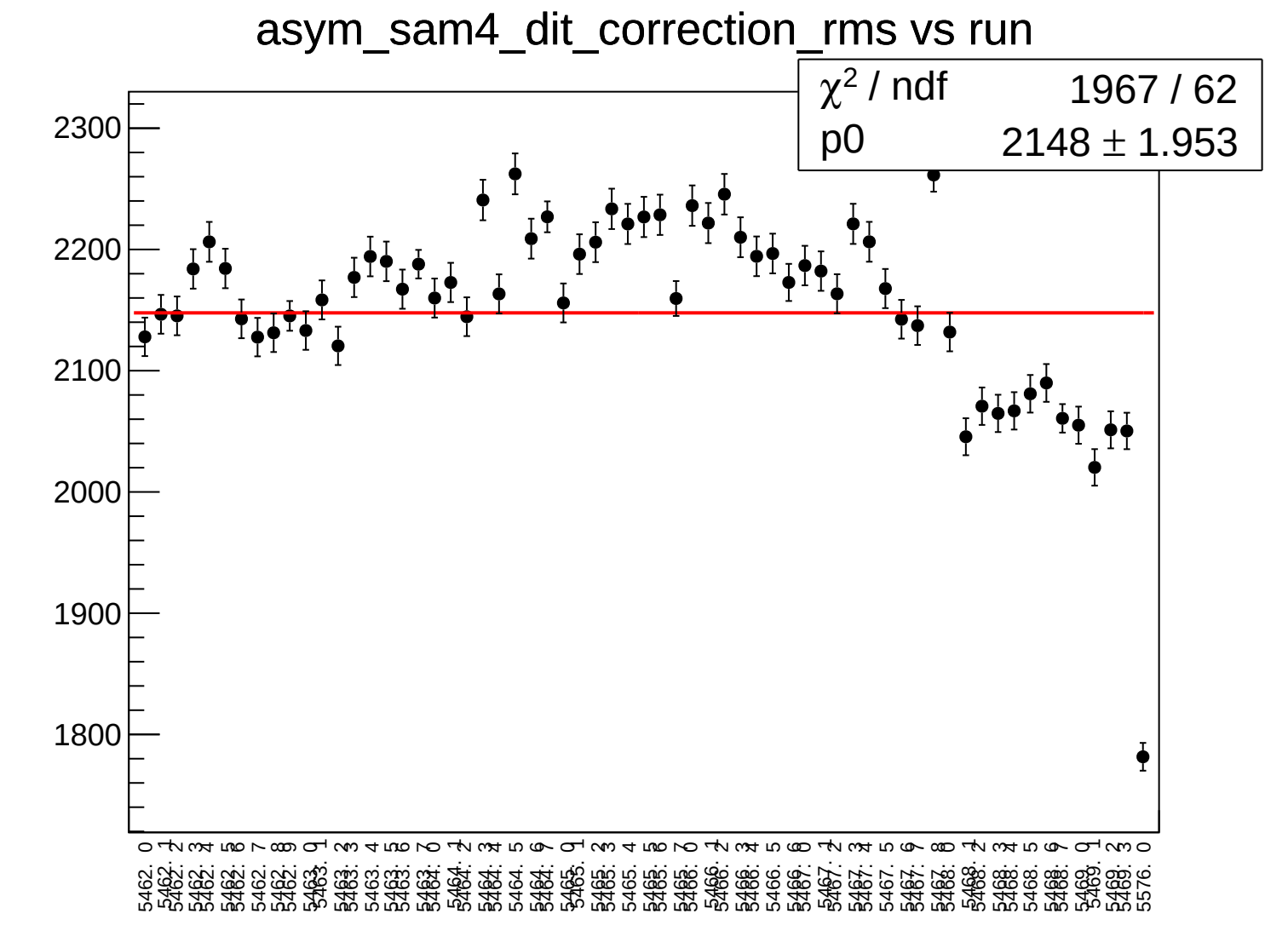

dit_asym_sam4_mean vs run
χ^2 / ndf 70.98 / 62
p0 567 ± 426.4
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 1268
Std Dev 0
2
1
0
−1
−2
−3

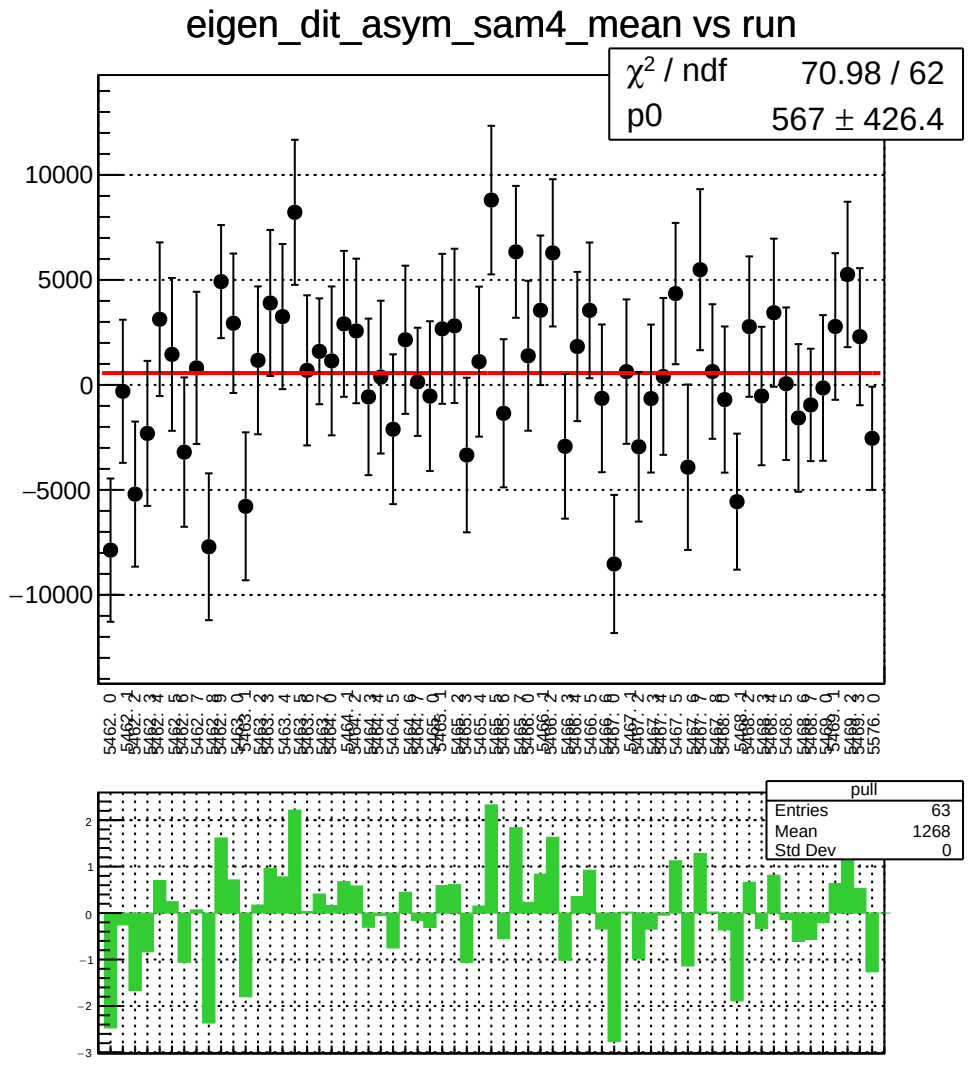

pull1D
Entries 63
Mean 0.001004
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

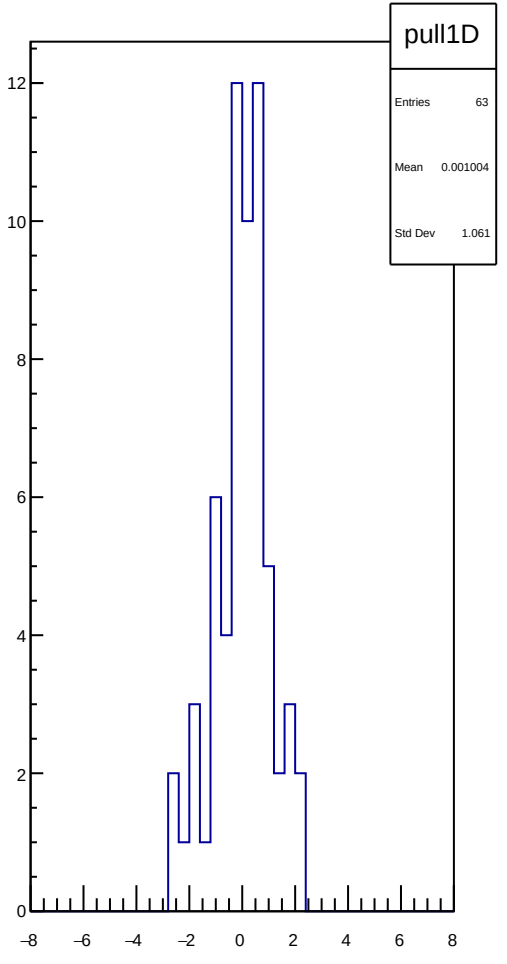

dit_asym_sam4_rms vs run
χ² / ndf 3094 / 62
p0 331.4 ± 0.3015
380
360
340
320
300
280
260

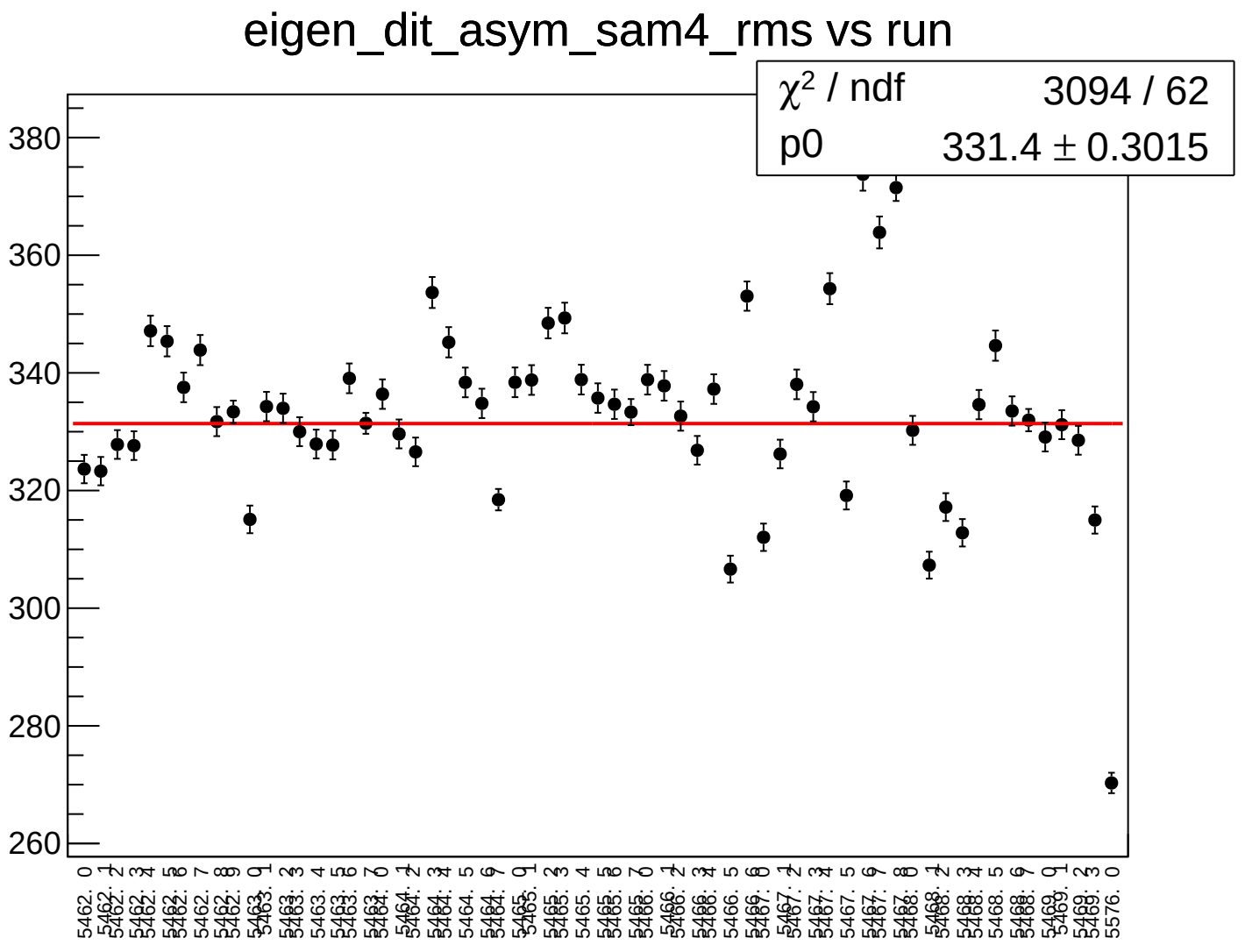

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 77.85 / 62
p0 3032 ± 2762
pull
Entries 63
Mean −32.61
Std Dev 0

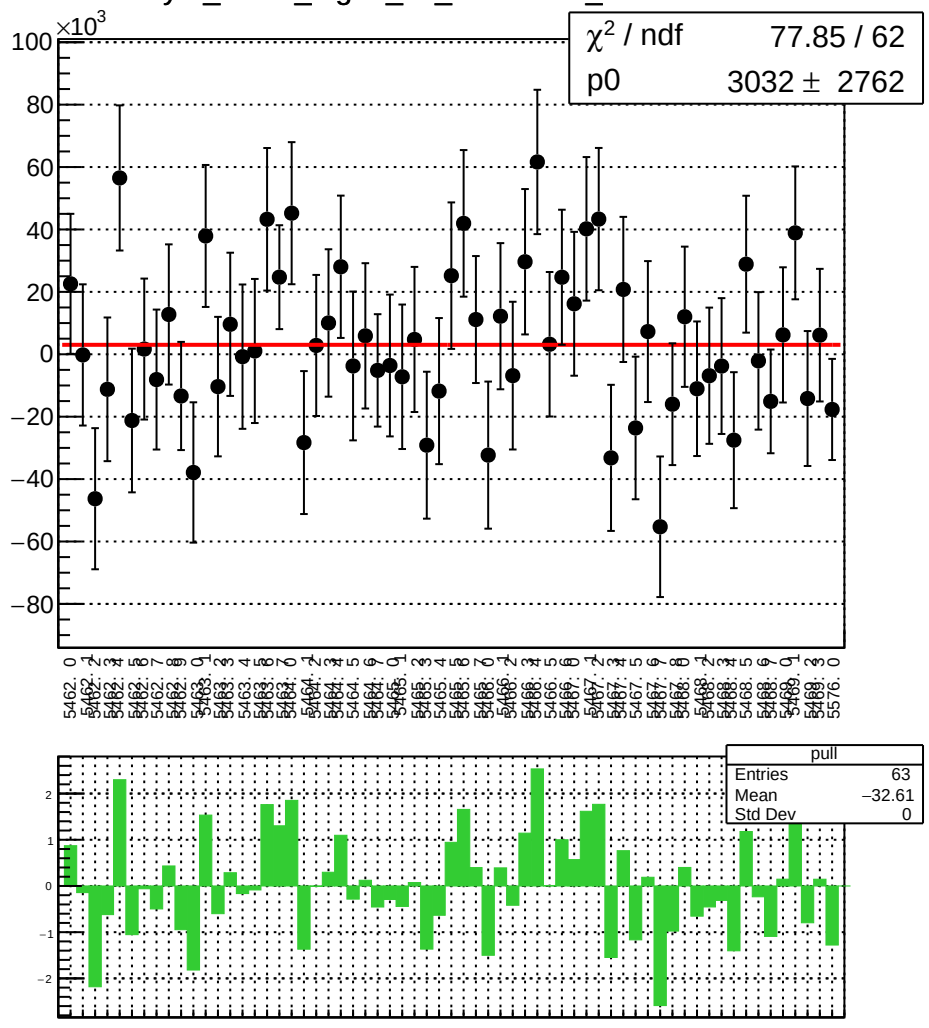

pull1D
Entries 63
Mean 0.01637
Std Dev 1.112

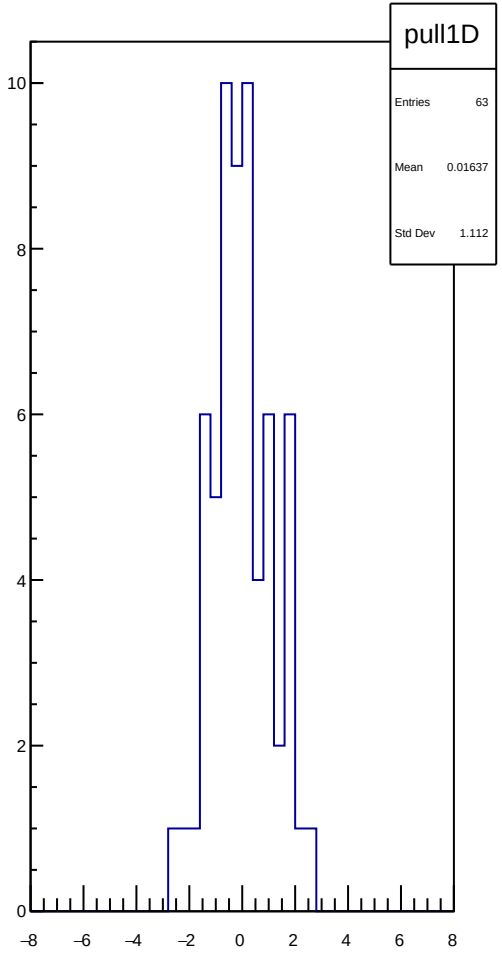

asym_sam4_dit_correction_rms vs run
χ² / ndf 1967 / 62
p0 2148 ± 1.953
2300
2200
2100
2000
1900
1800

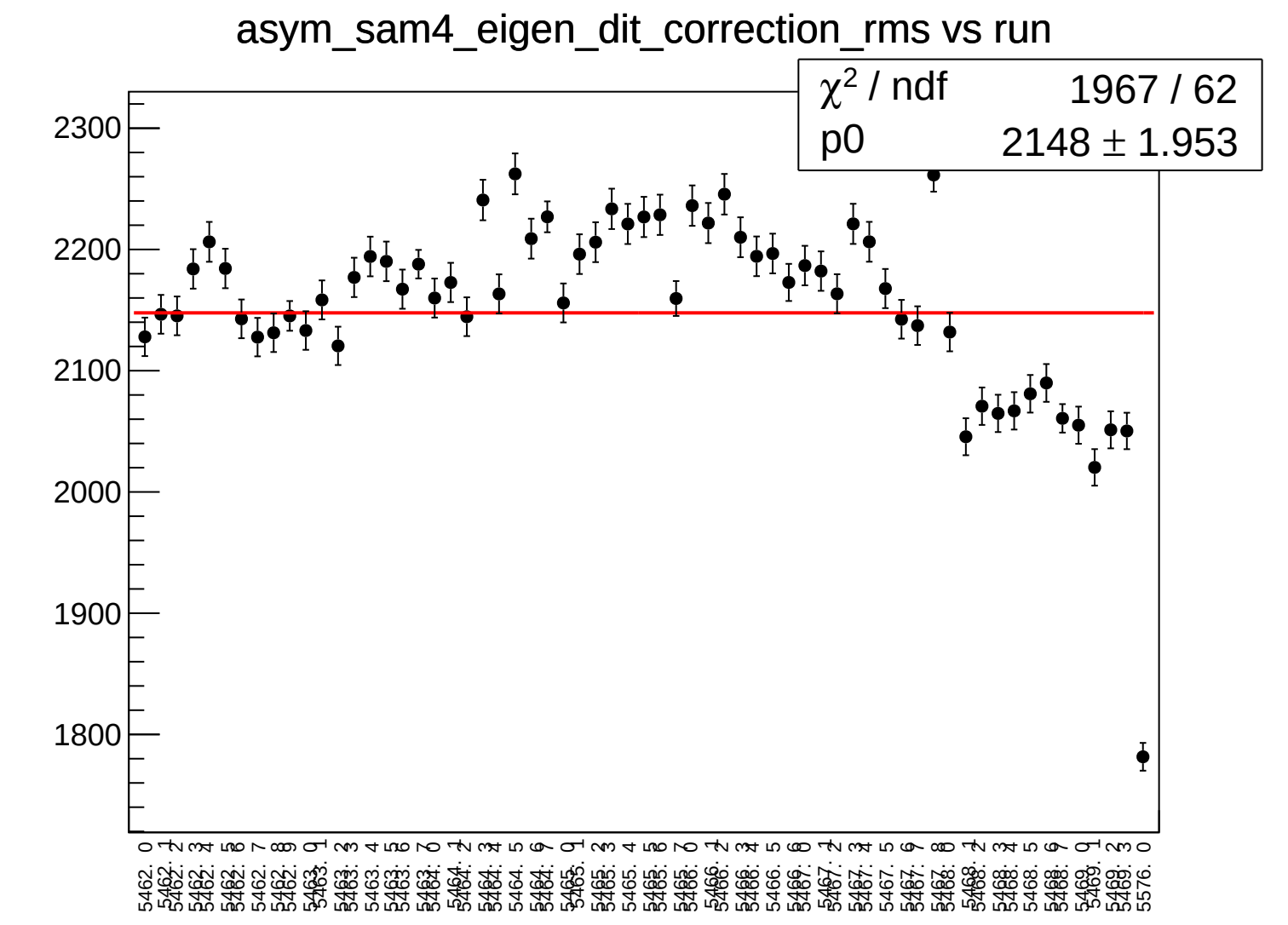

eigen_dit_asym_sam4_mean vs run
χ^2 / ndf 70.98 / 62
p0 567 ± 426.4
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 1268
Std Dev 0
2
1
0
−1
−2
−3

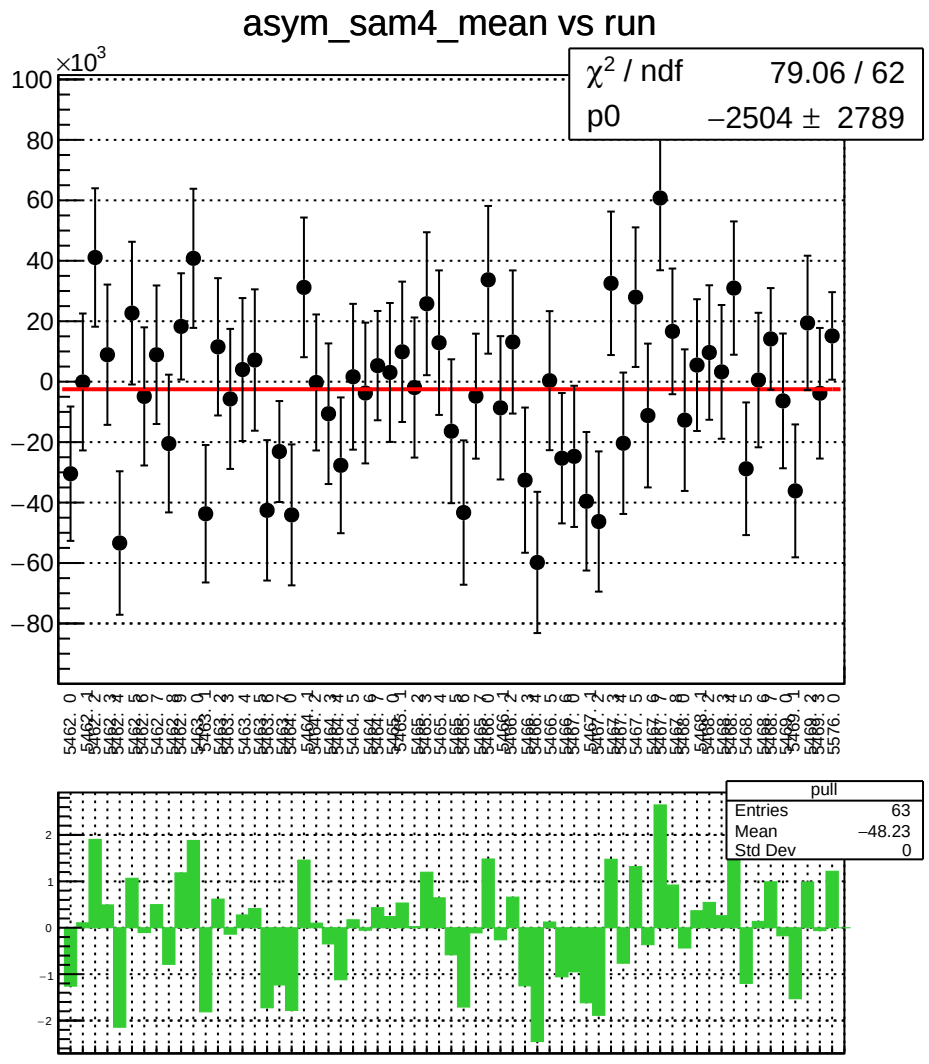

pull1D
Entries 63
Mean 0.001004
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

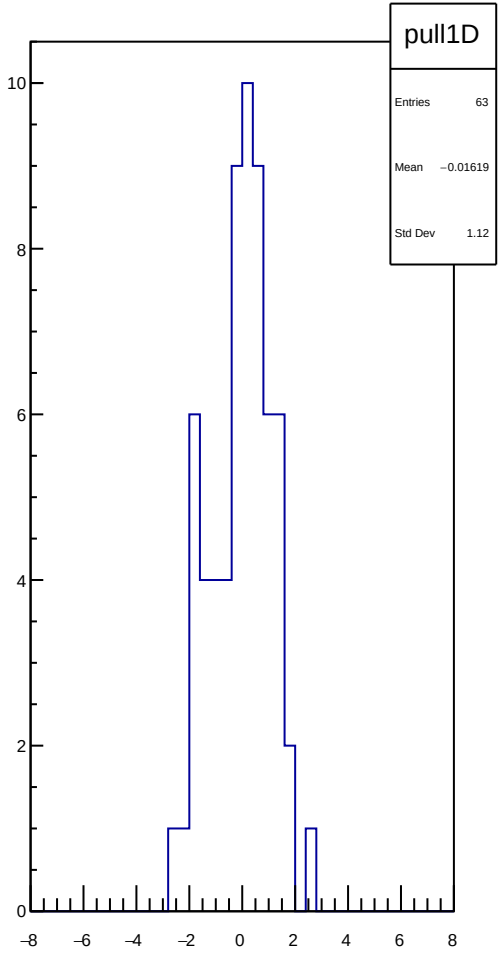

eigen_dit_asym_sam4_rms vs run
χ² / ndf 3094 / 62
p0 331.4 ± 0.3015
380
360
340
320
300
280
260

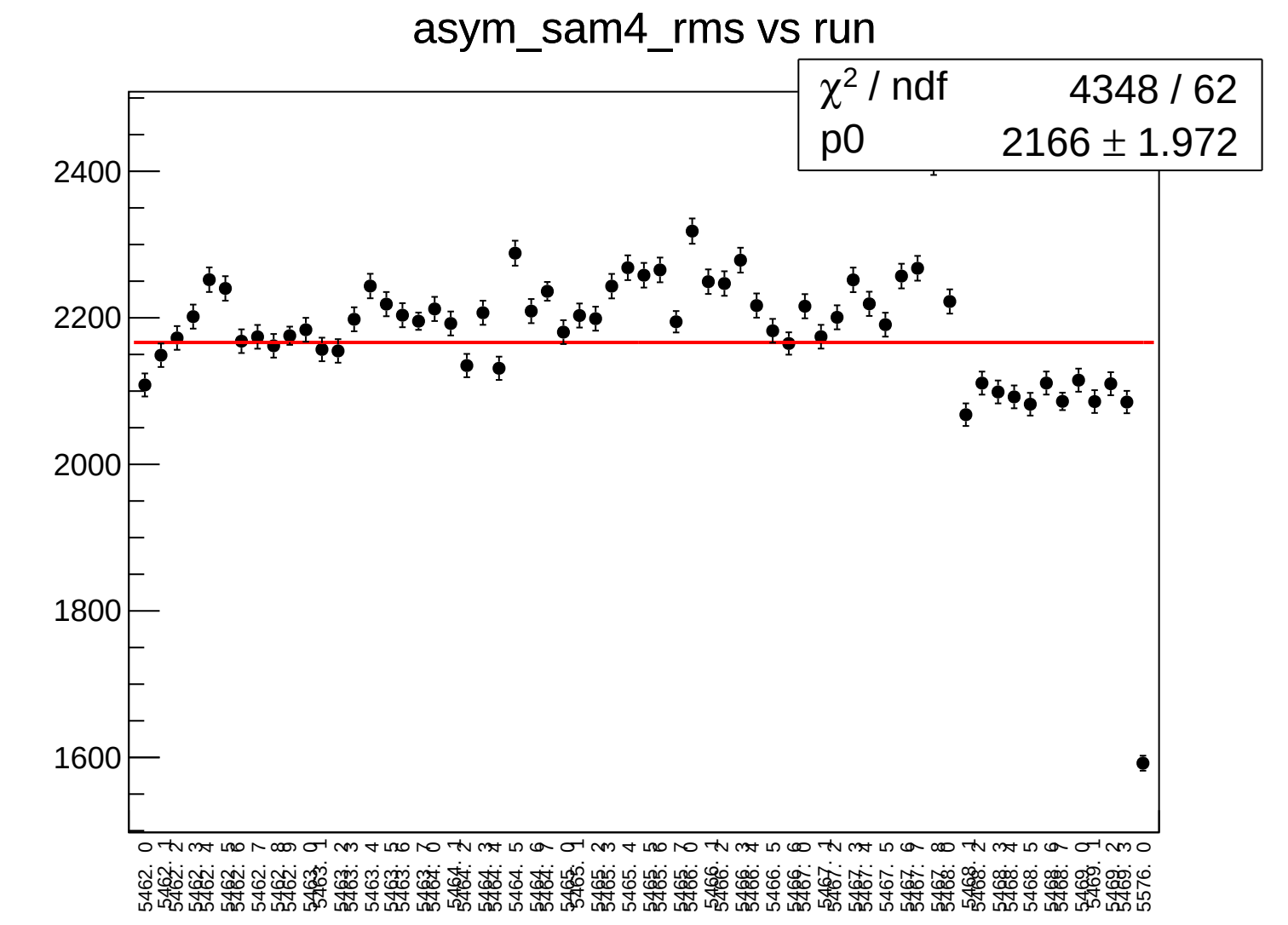

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 77.85 / 62
p0 3032 ± 2762
pull
Entries 63
Mean −32.61
Std Dev 0

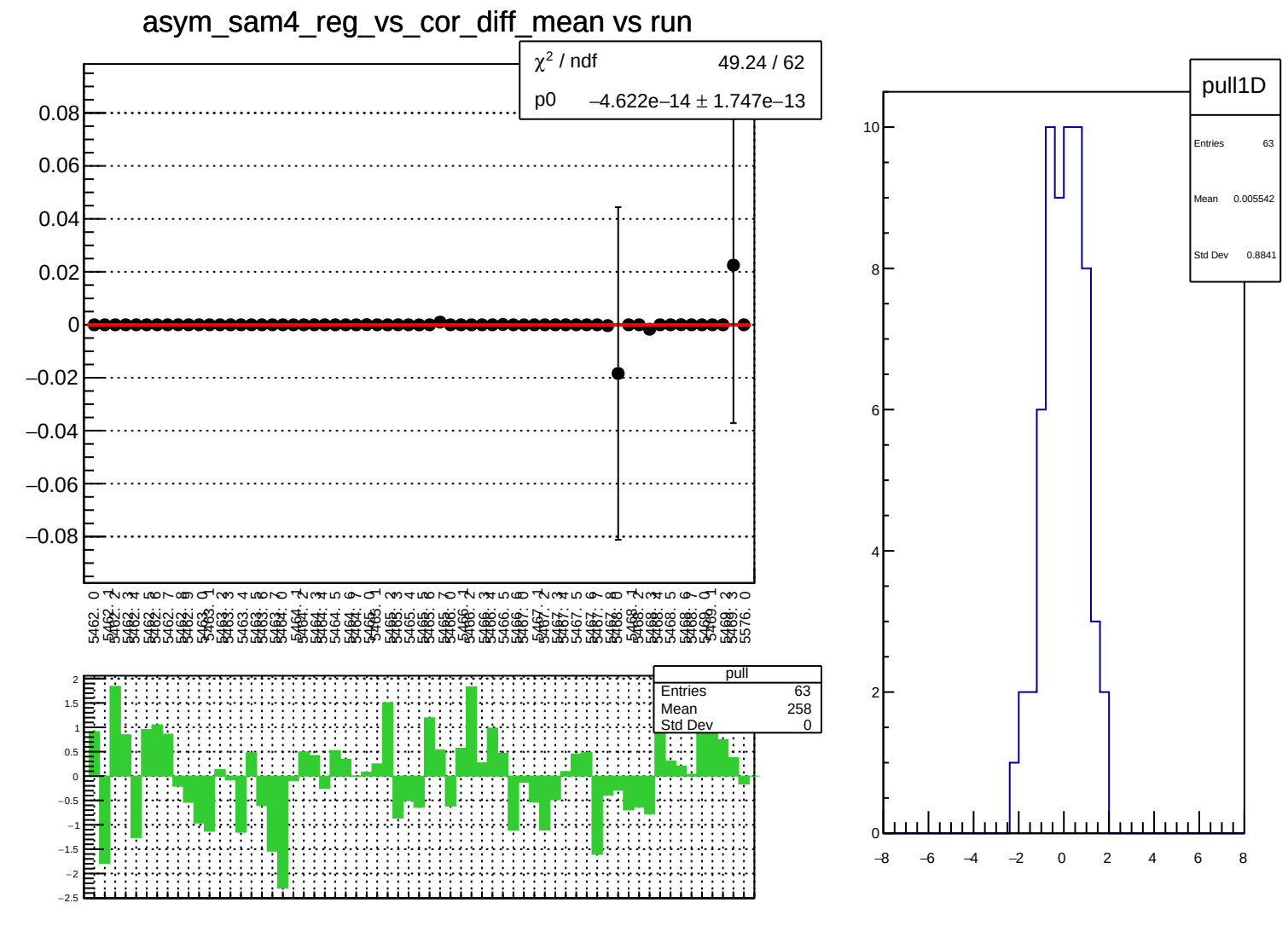

pull1D
Entries 63
Mean 0.01637
Std Dev 1.112

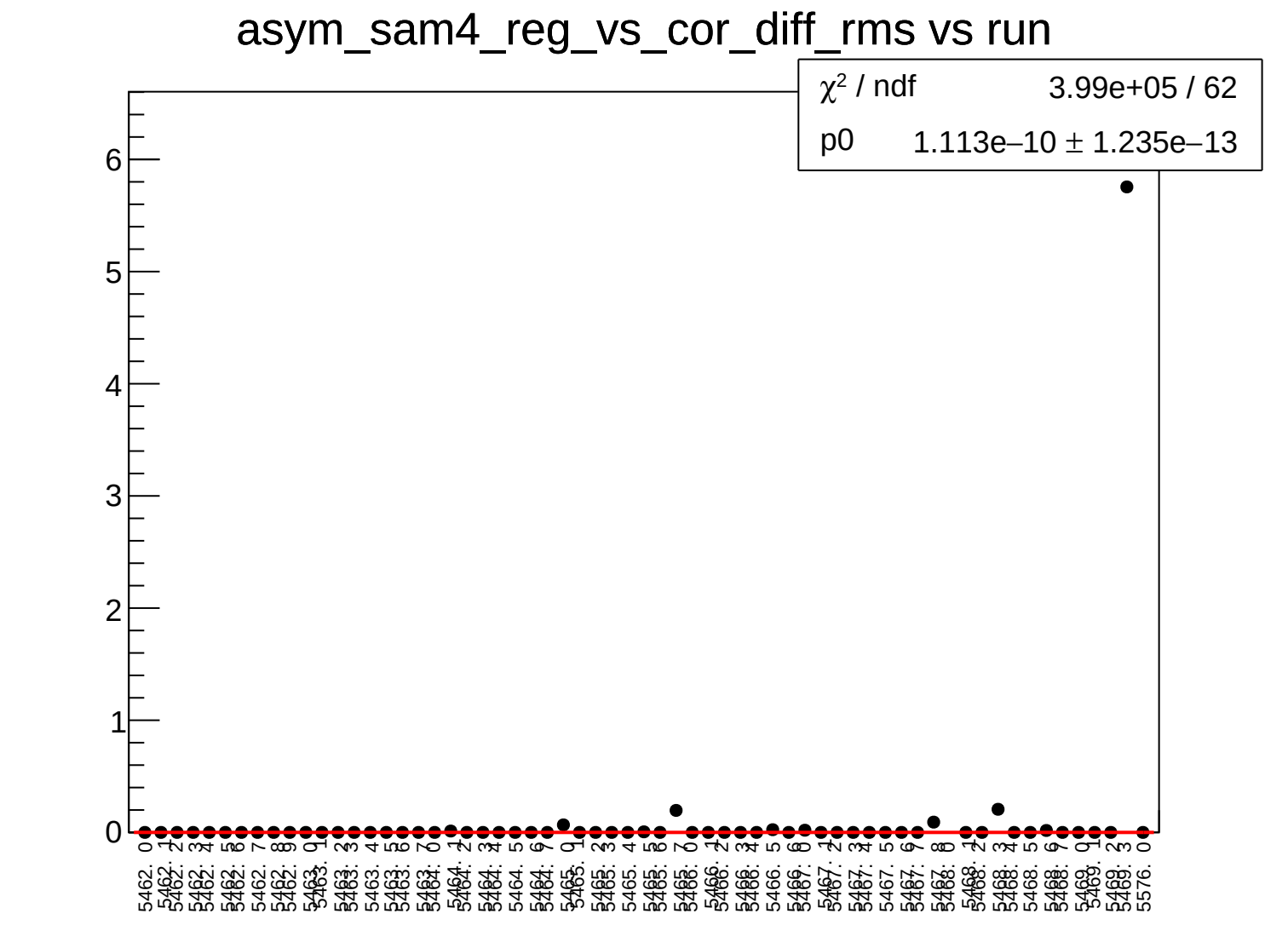

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1967 / 62
p0 2148 ± 1.953
2300
2200
2100
2000
1900
1800
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

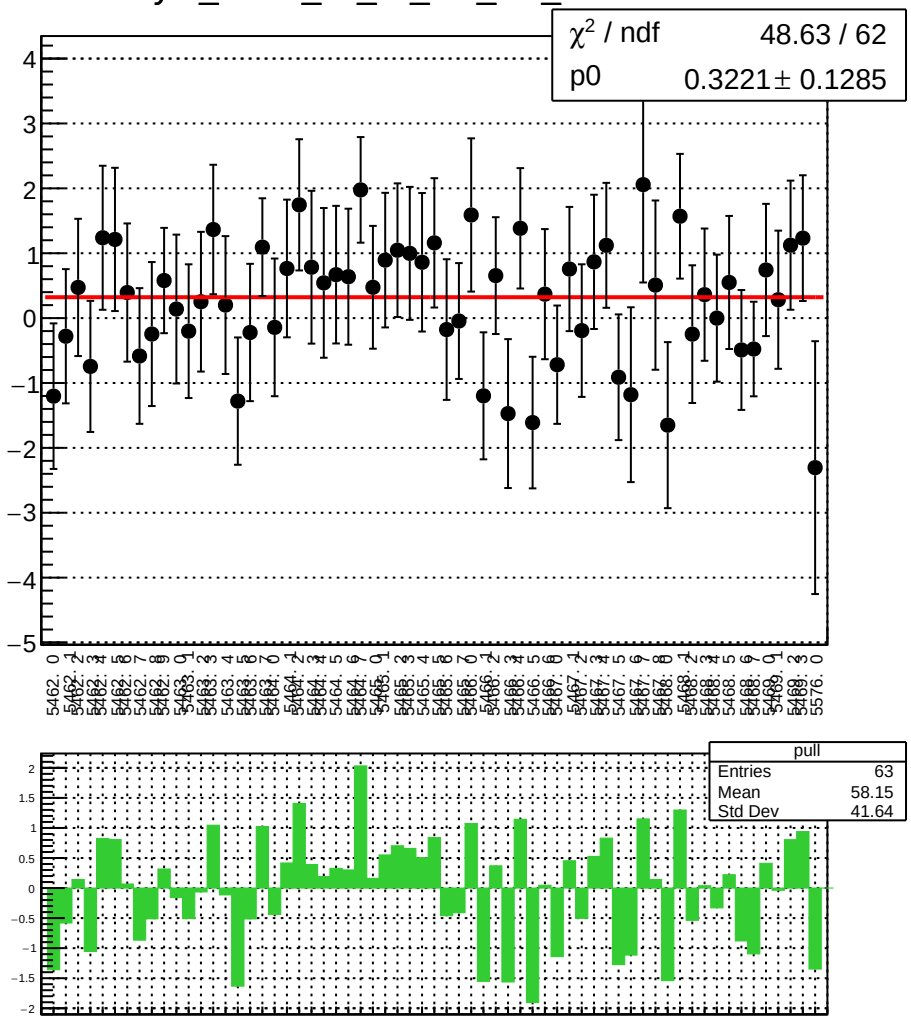

asym_sam4_mean vs run
×10^3
χ² / ndf 79.06 / 62
p0 −2504 ± 2789
pull
Entries 63
Mean −48.23
Std Dev 0

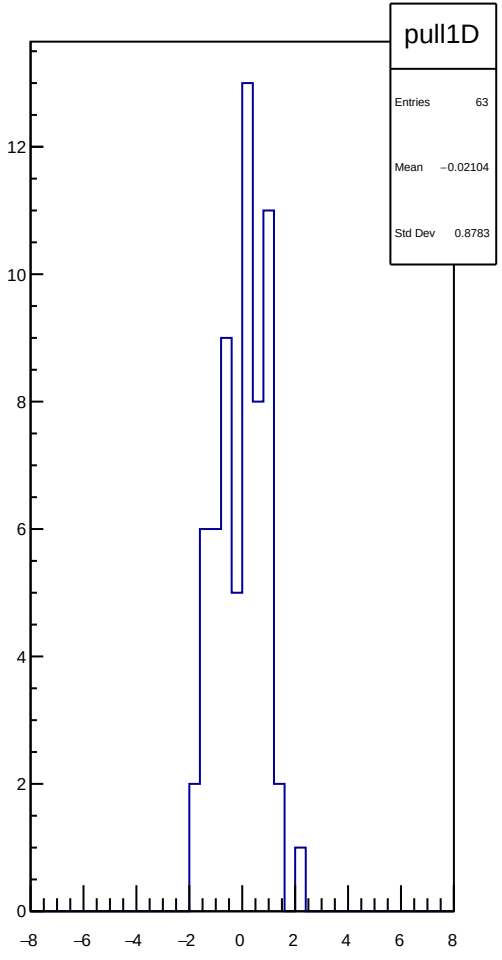

pull1D
Entries 63
Mean −0.01619
Std Dev 1.12

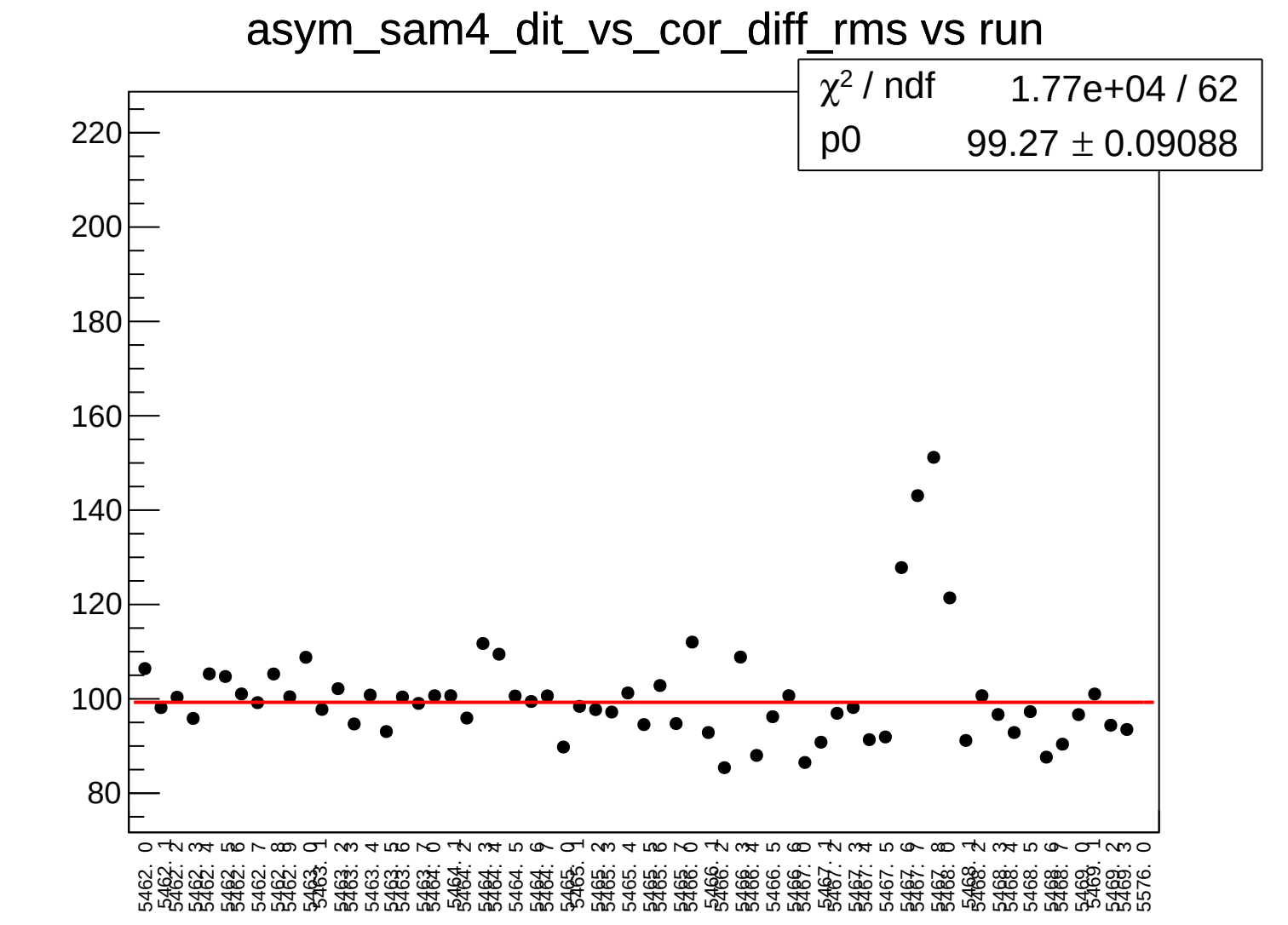

asym_sam4_rms vs run
χ² / ndf 4348 / 62
p0 2166 ± 1.972
2400
2200
2000
1800
1600

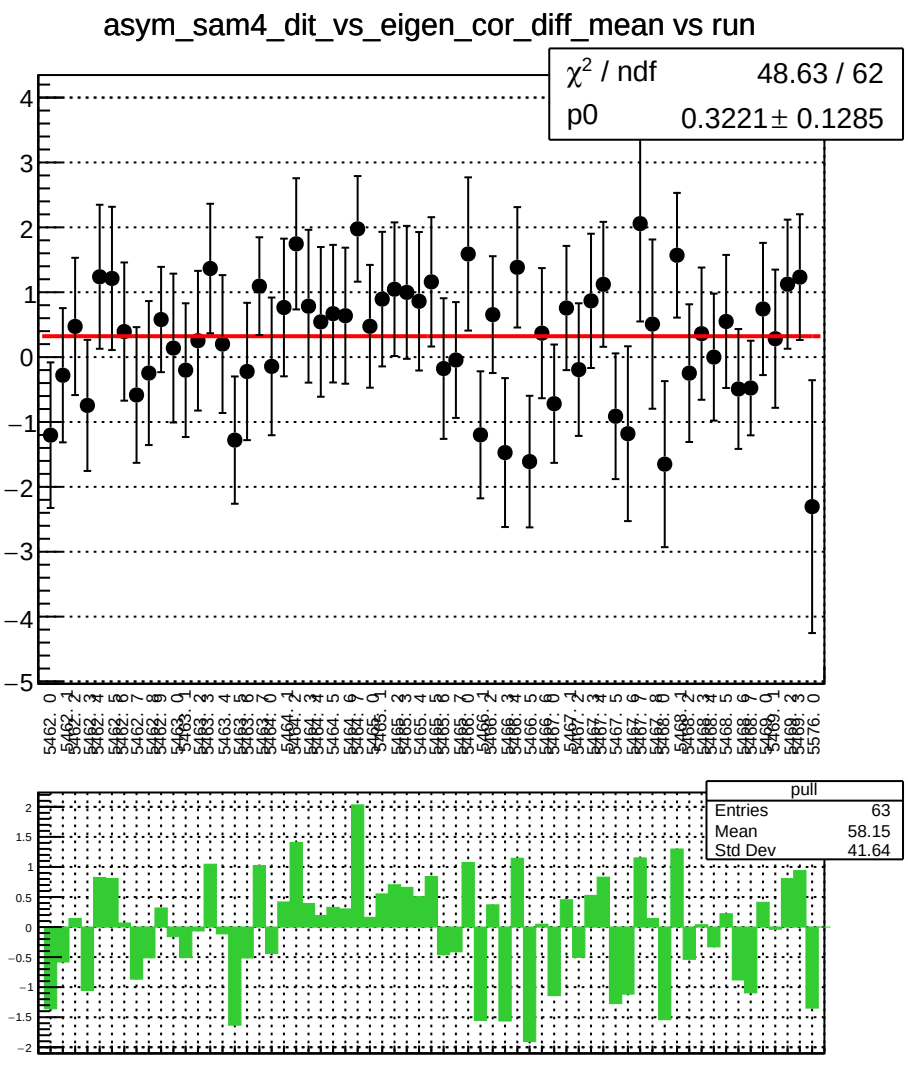

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 49.24 / 62
p0 −4.622e−14 ± 1.747e−13
pull
Entries 63
Mean 258
Std Dev 0
pull1D
Entries 63
Mean 0.005542
Std Dev 0.8841

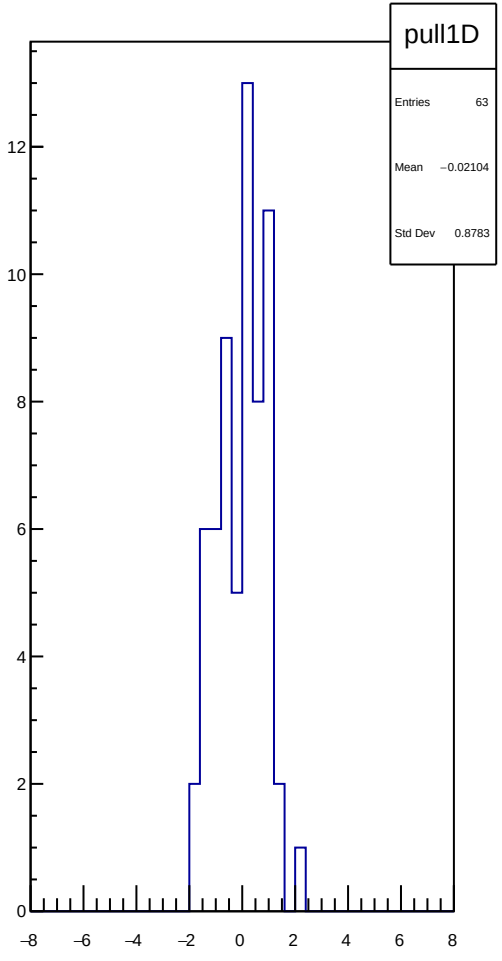

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 3.99e+05 / 62
p0 1.113e−10 ± 1.235e−13
0
1
2
3
4
5
6

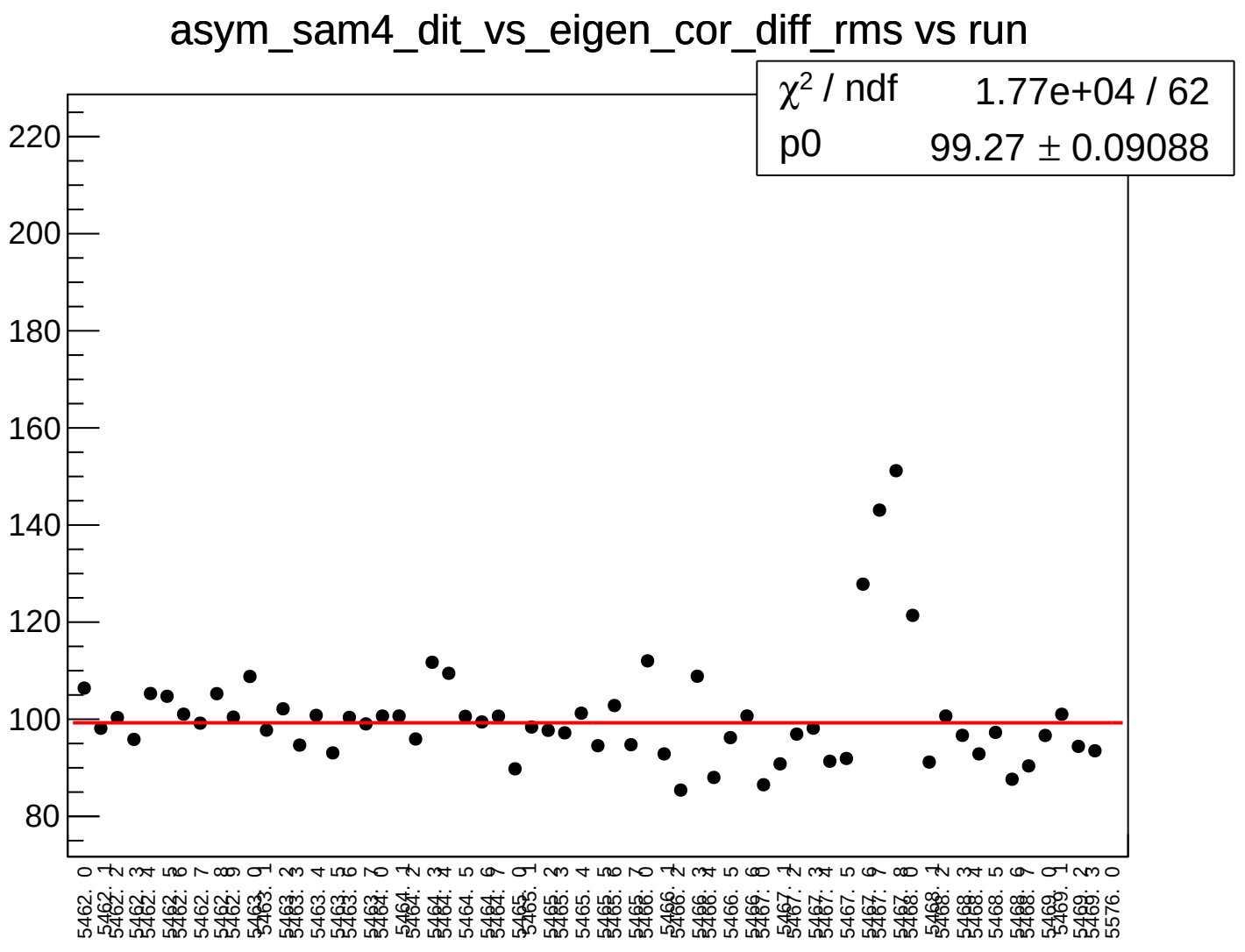

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 48.63 / 62
p0 0.3221 ± 0.1285
pull
Entries 63
Mean 58.15
Std Dev 41.64

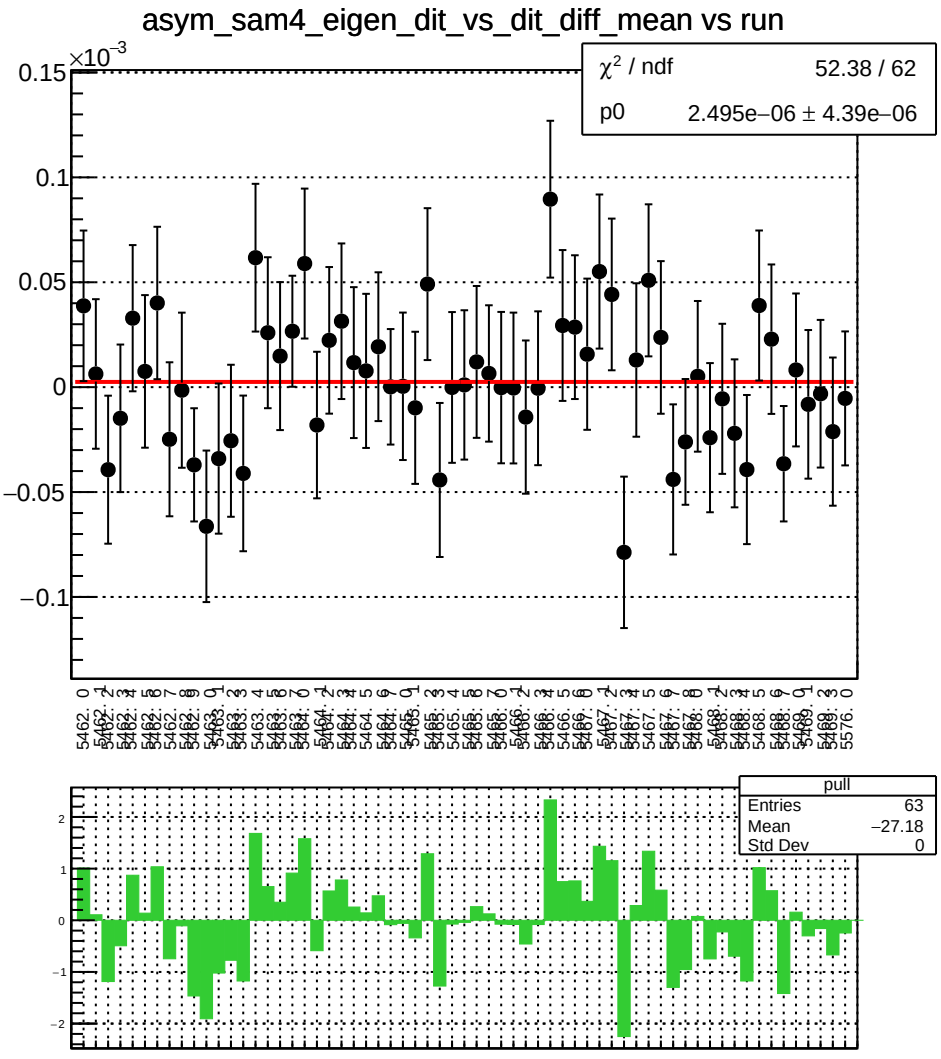

pull1D
Entries 63
Mean −0.02104
Std Dev 0.8783

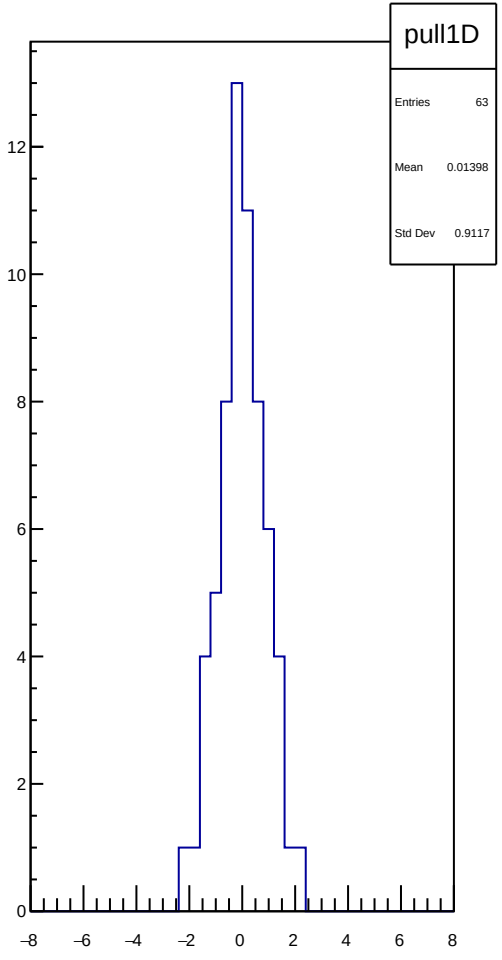

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.77e+04 / 62
p0 99.27 ± 0.09088
220
200
180
160
140
120
100
80

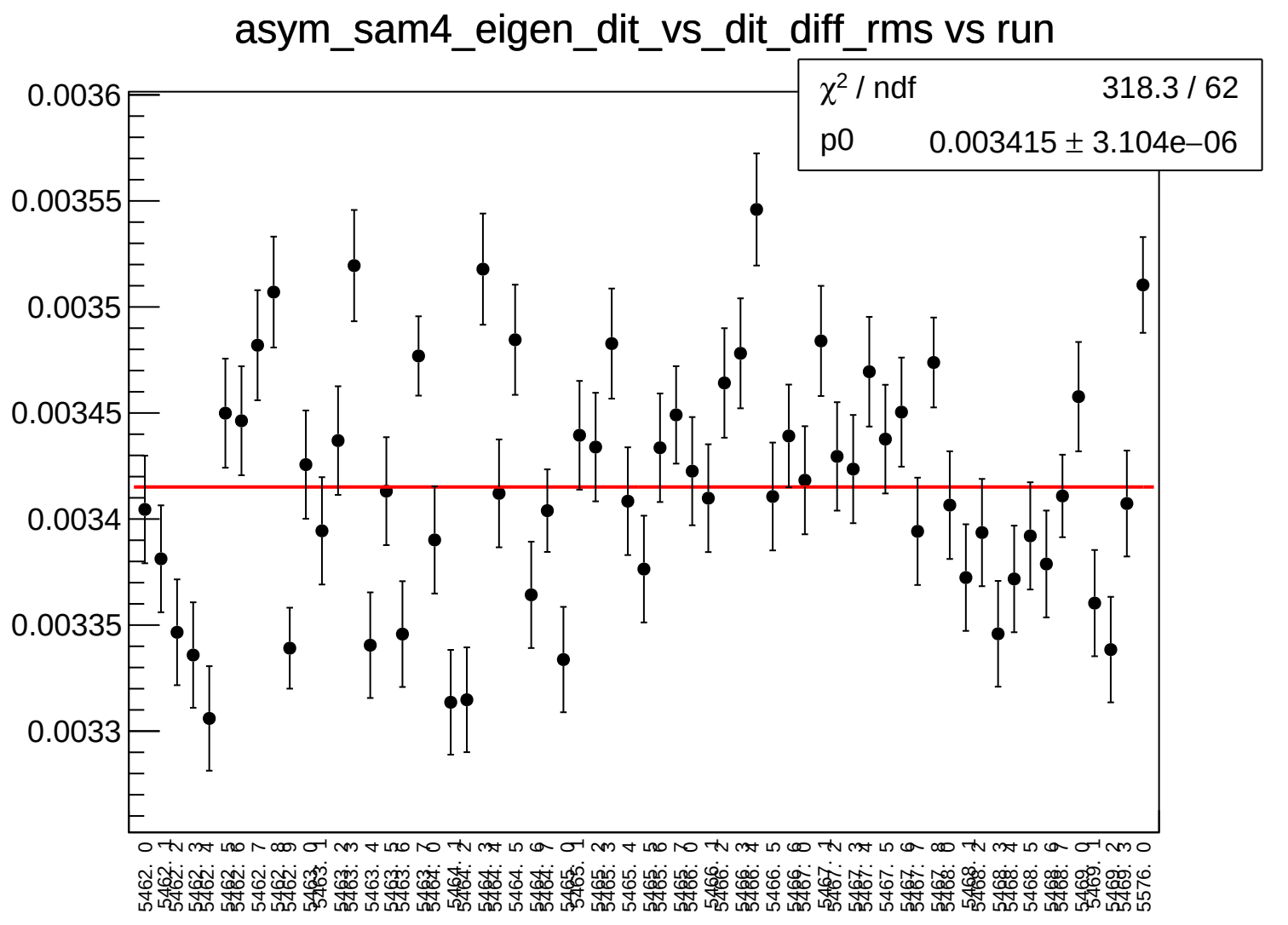

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.63 / 62
p0 0.3221 ± 0.1285
pull
Entries 63
Mean 58.15
Std Dev 41.64

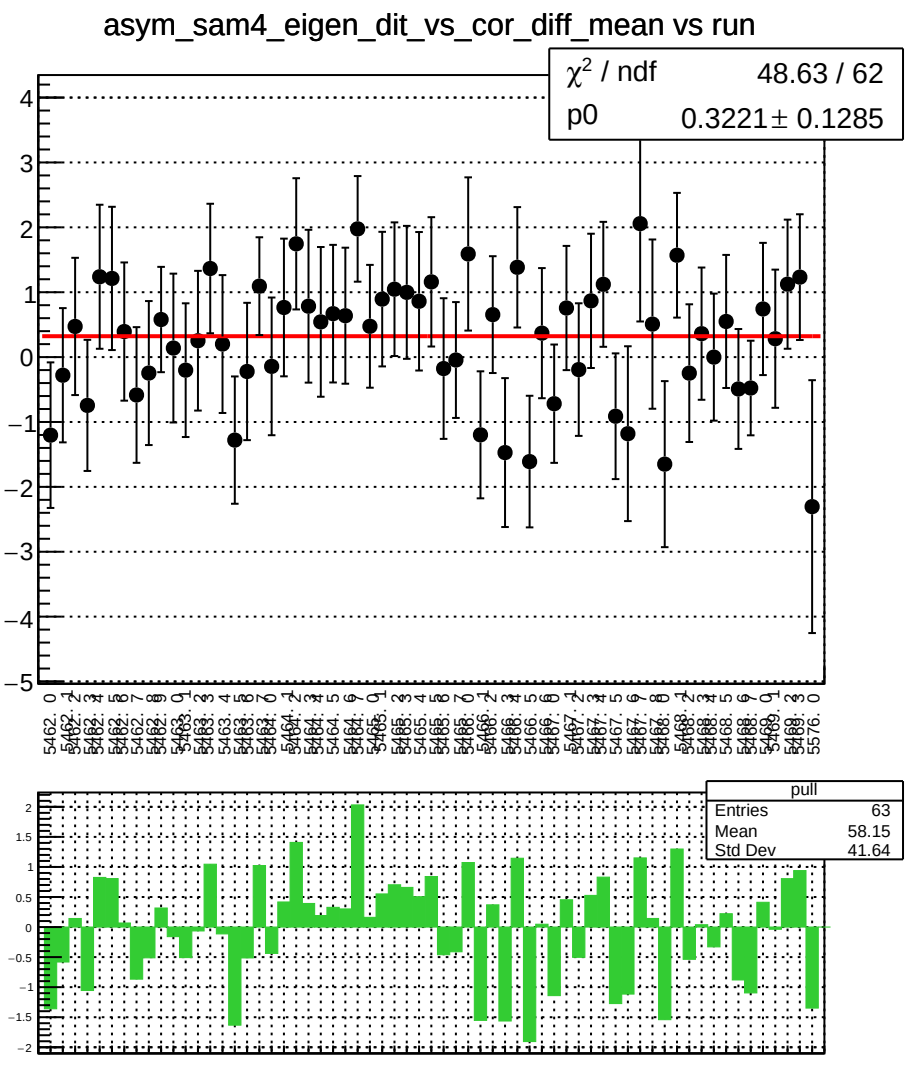

pull1D
Entries 63
Mean −0.02104
Std Dev 0.8783

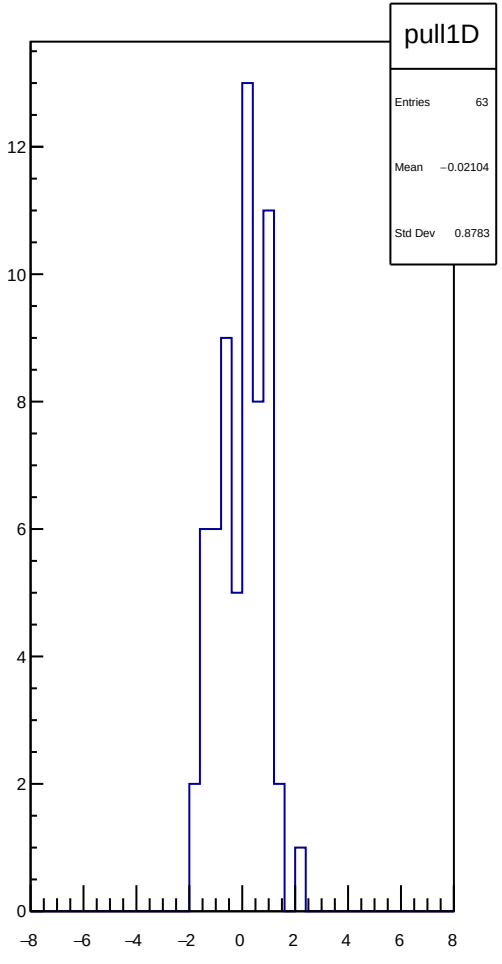

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.77e+04 / 62
p0 99.27 ± 0.09088
220
200
180
160
140
120
100
80

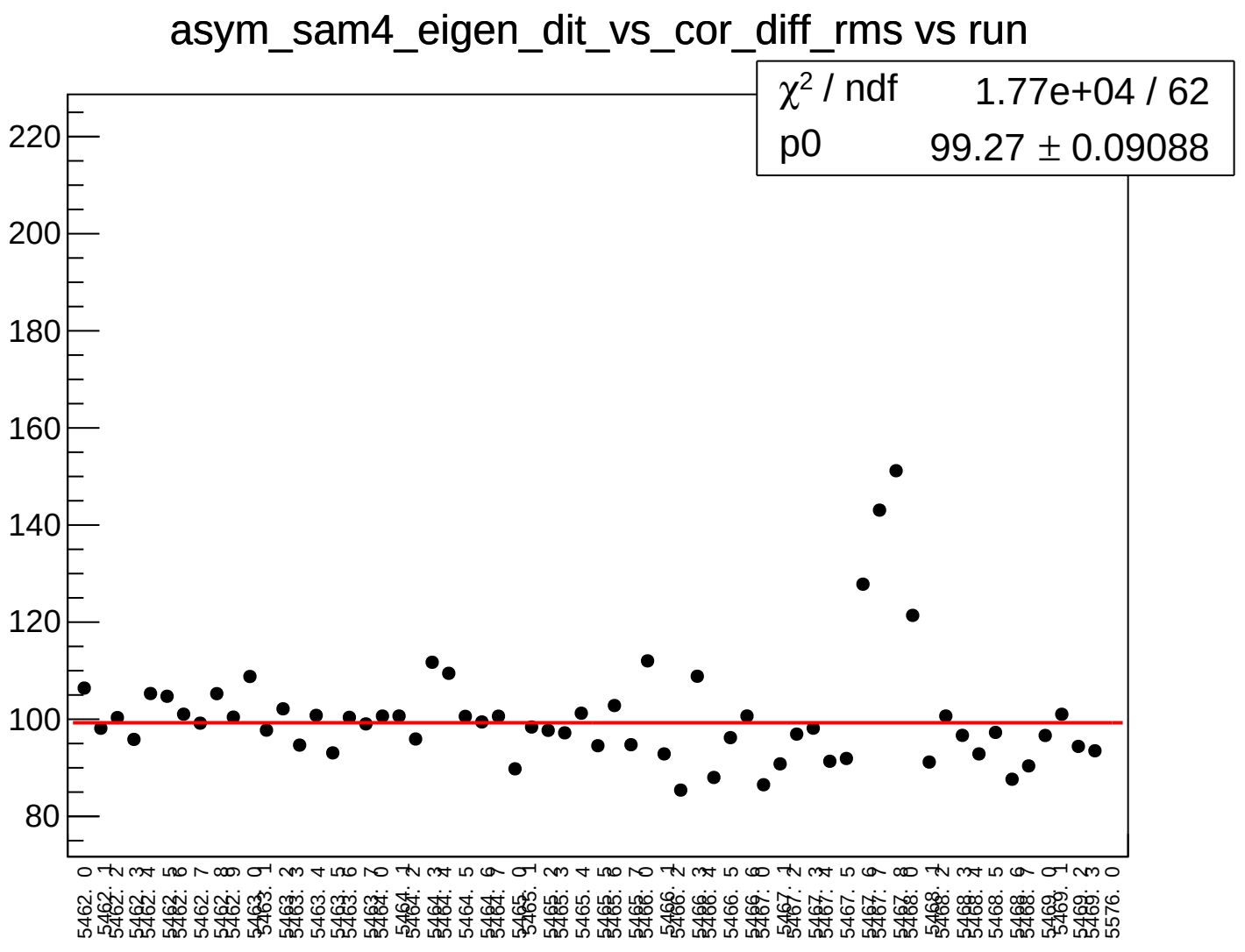

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.38 / 62
p0 2.495e−06 ± 4.39e−06
pull
Entries 63
Mean −27.18
Std Dev 0

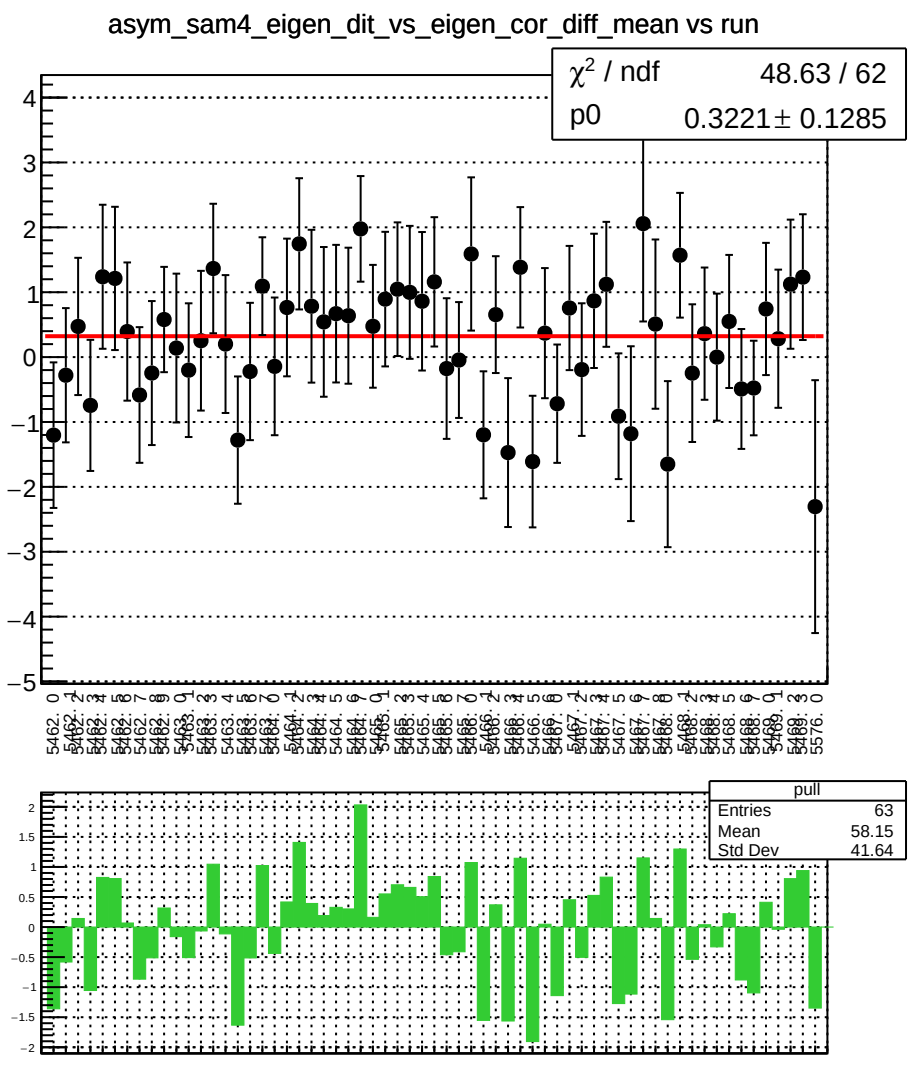

pull1D
Entries 63
Mean 0.01398
Std Dev 0.9117

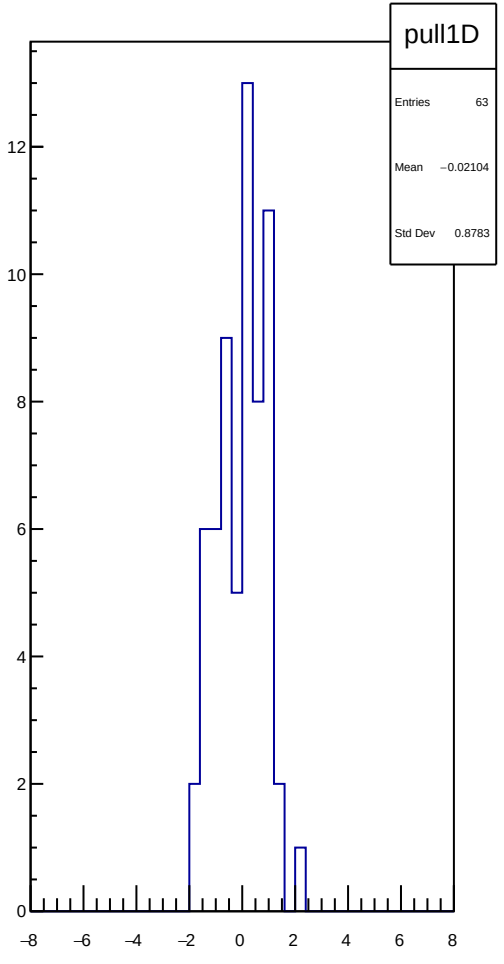

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 318.3 / 62
p0 0.003415 ± 3.104e−06
0.0036
0.00355
0.0035
0.00345
0.0034
0.00335
0.0033

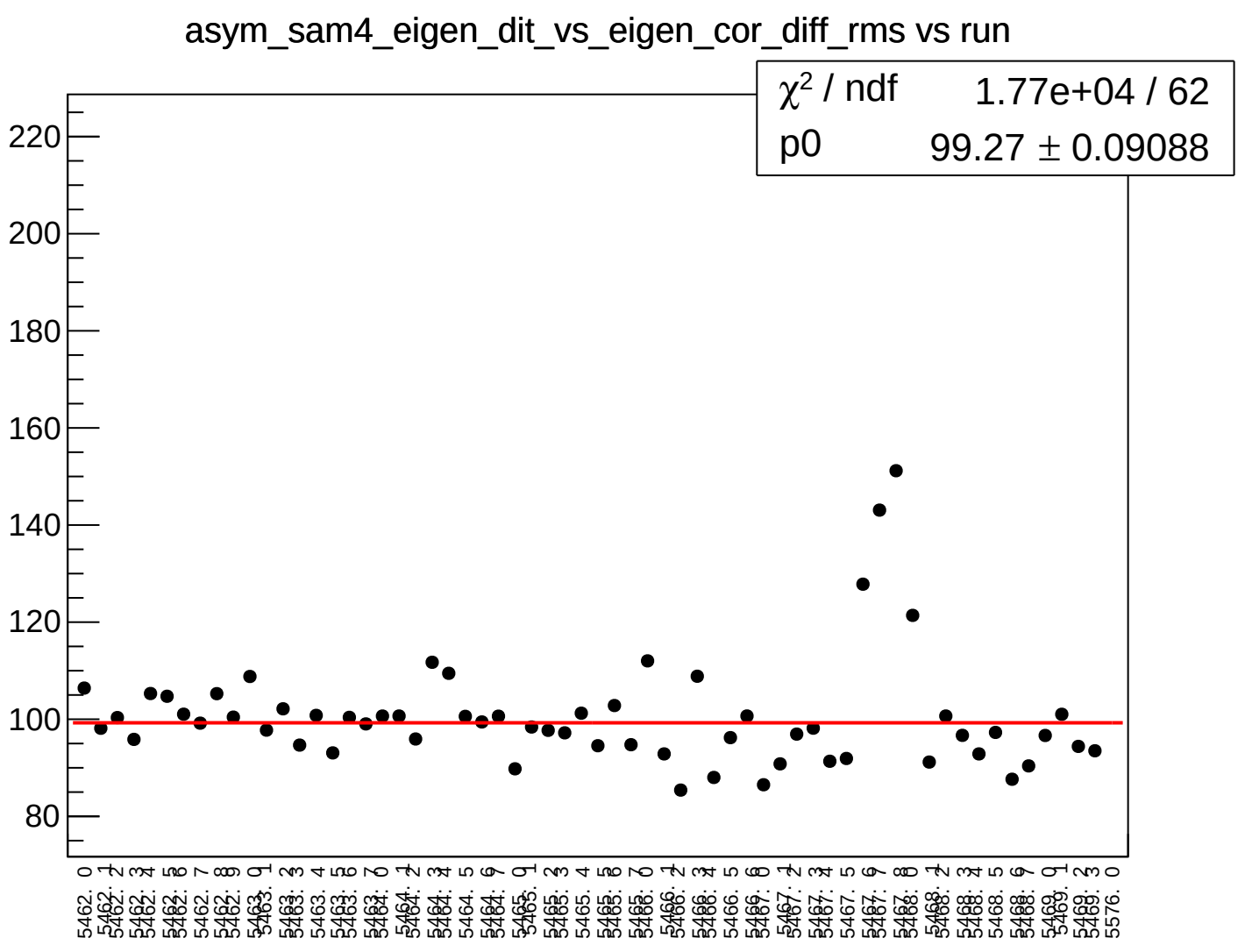

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.63 / 62
p0 0.3221 ± 0.1285
pull
Entries 63
Mean 58.15
Std Dev 41.64

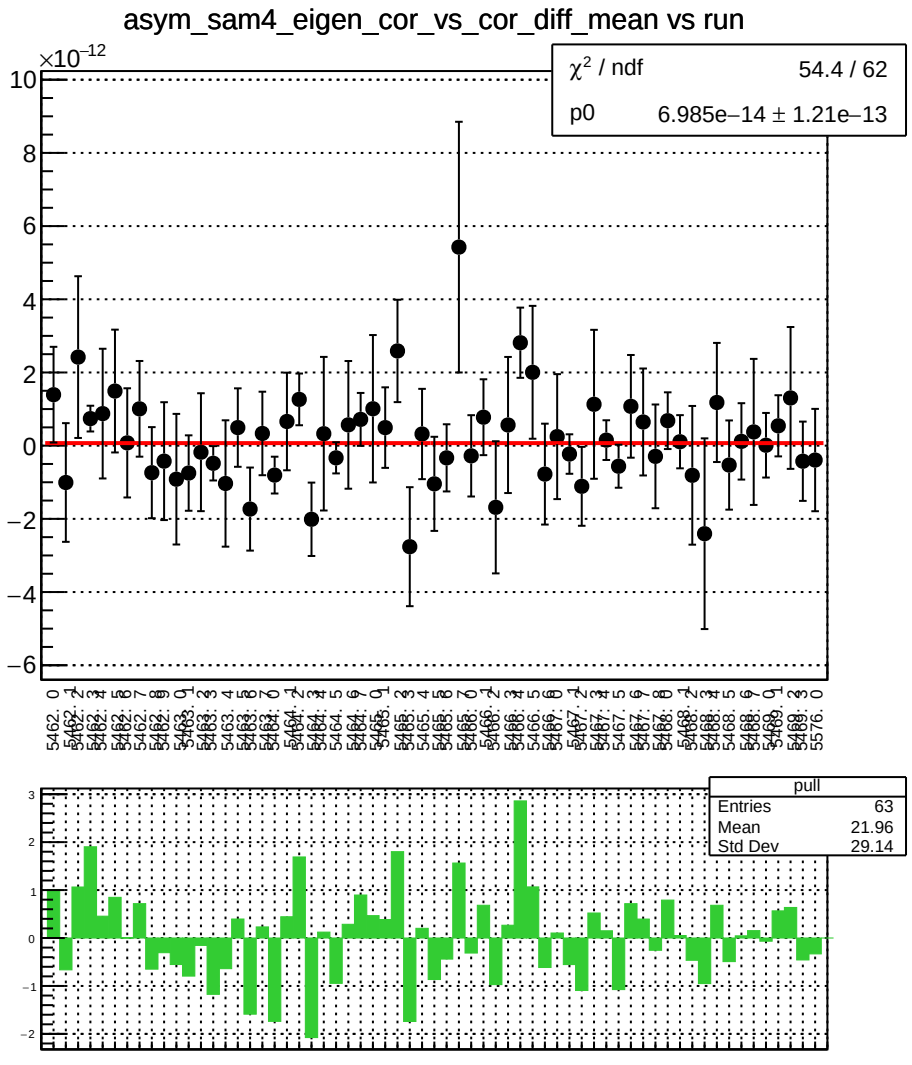

pull1D
Entries 63
Mean −0.02104
Std Dev 0.8783

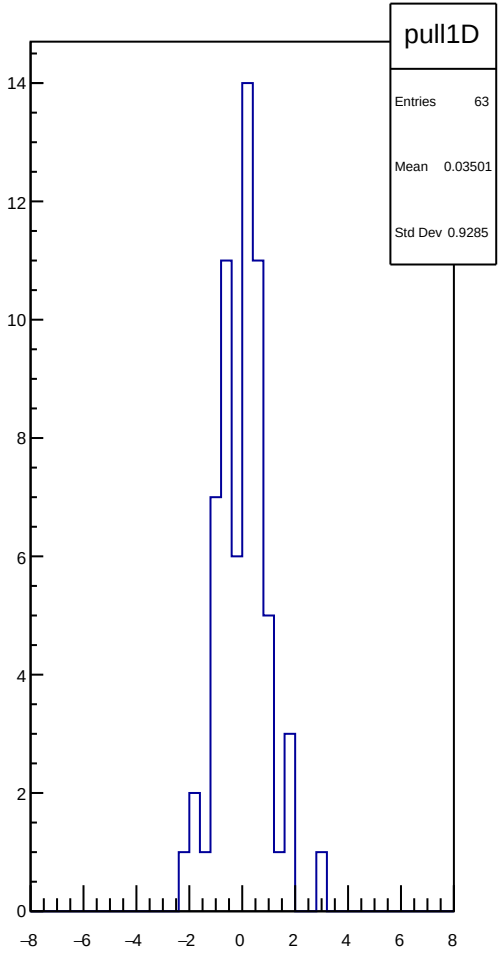

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.77e+04 / 62
p0 99.27 ± 0.09088
220
200
180
160
140
120
100
80

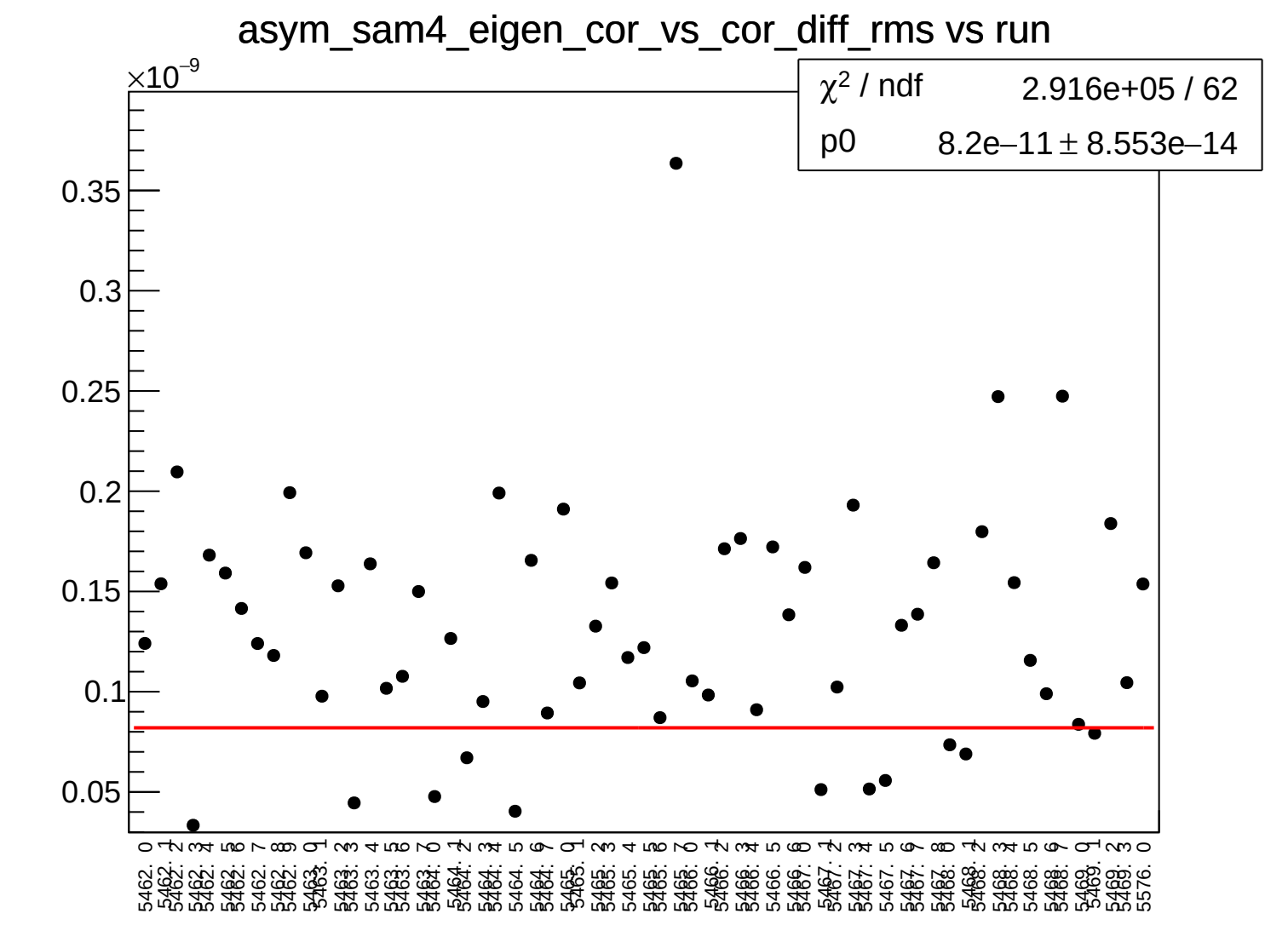

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.63 / 62
p0 0.3221 ± 0.1285
pull
Entries 63
Mean 58.15
Std Dev 41.64

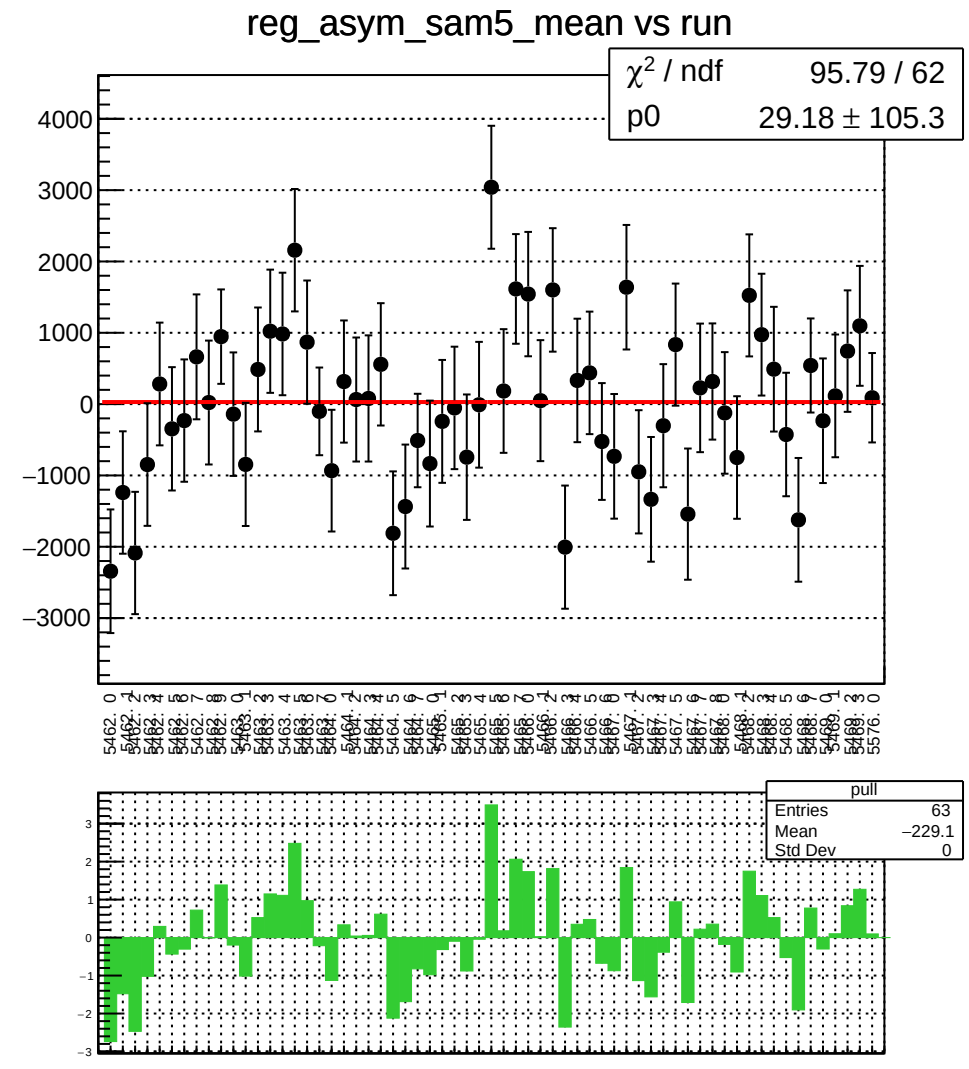

pull1D
Entries 63
Mean −0.02104
Std Dev 0.8783

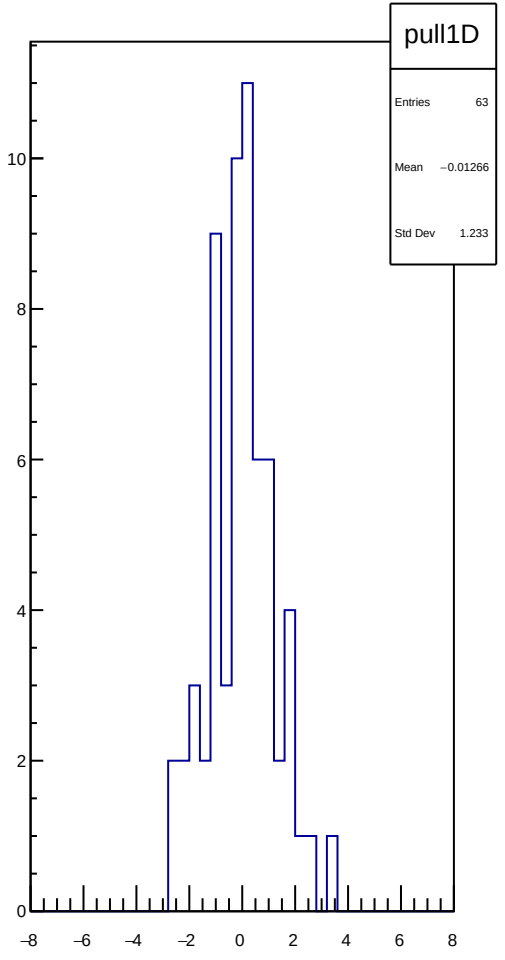

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.77e+04 / 62
p0 99.27 ± 0.09088
220
200
180
160
140
120
100
80

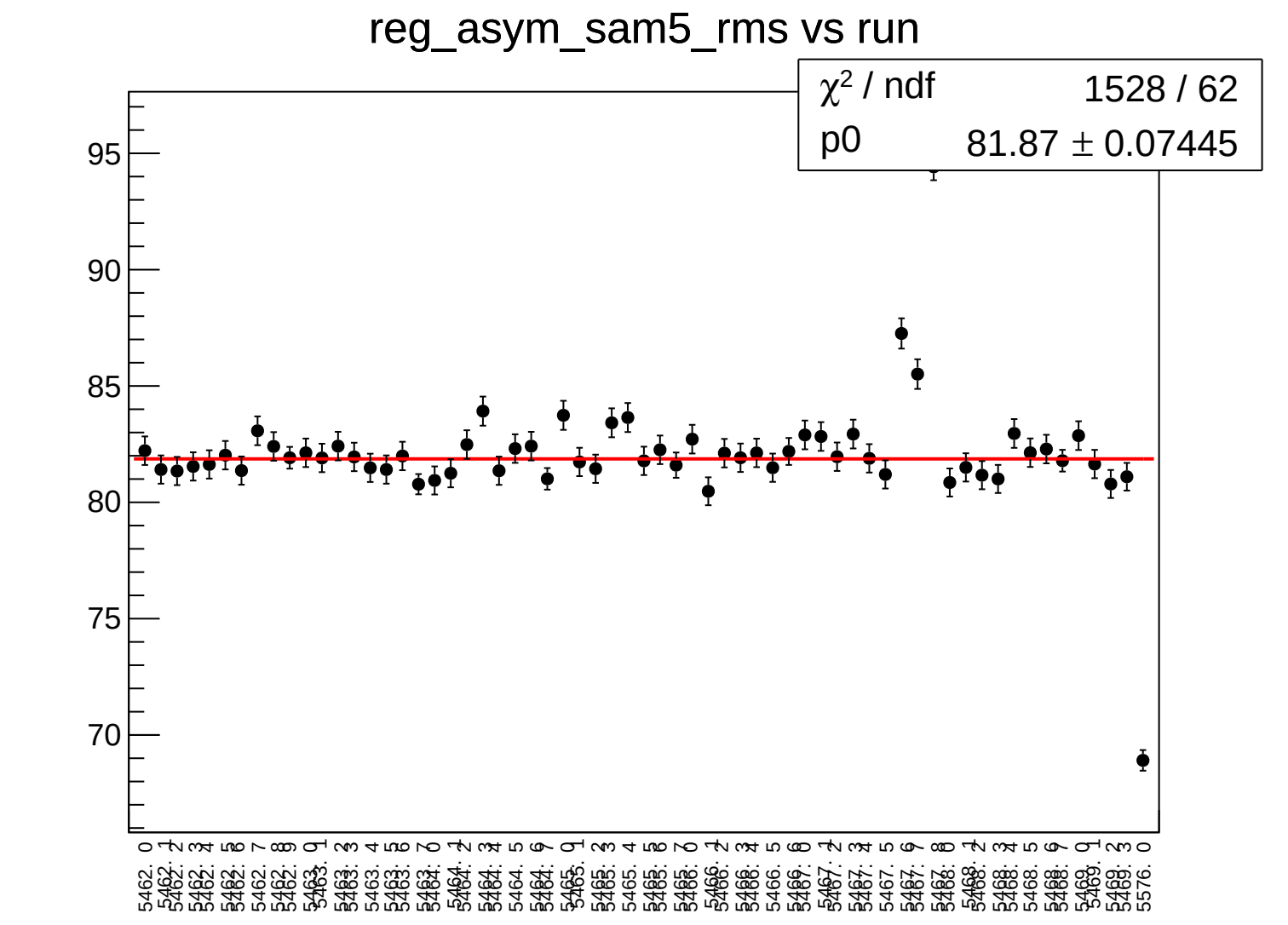

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.4 / 62
p0 6.985e−14 ± 1.21e−13
pull
Entries 63
Mean 21.96
Std Dev 29.14

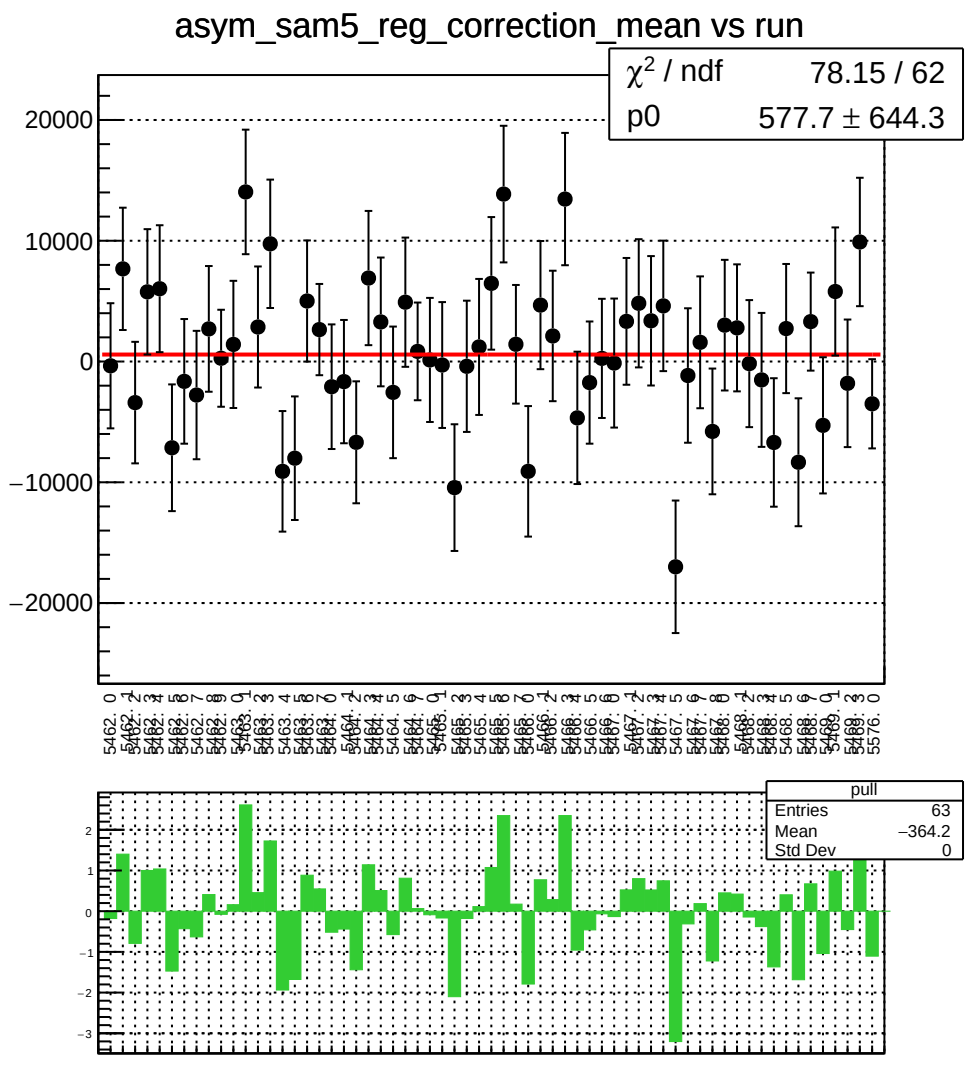

pull1D
Entries 63
Mean 0.03501
Std Dev 0.9285

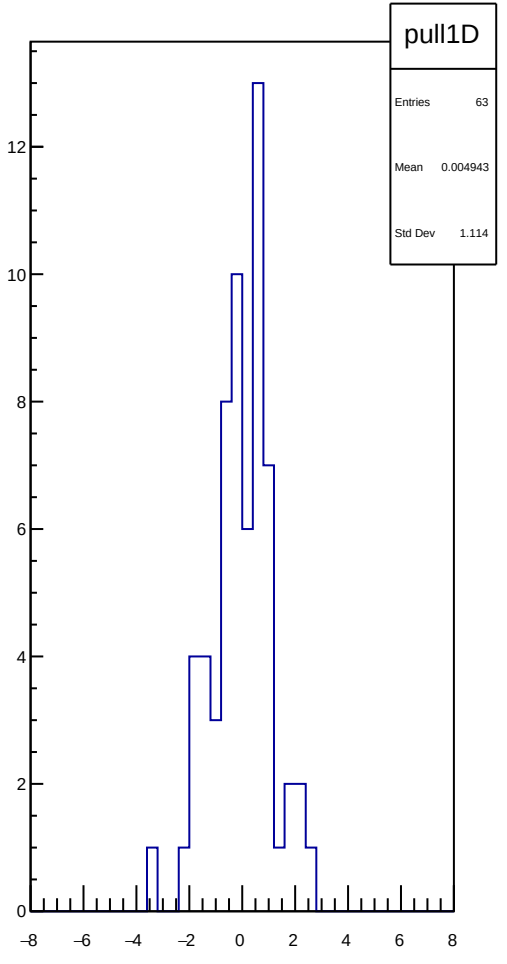

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.916e+05 / 62
p0 8.2e−11 ± 8.553e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

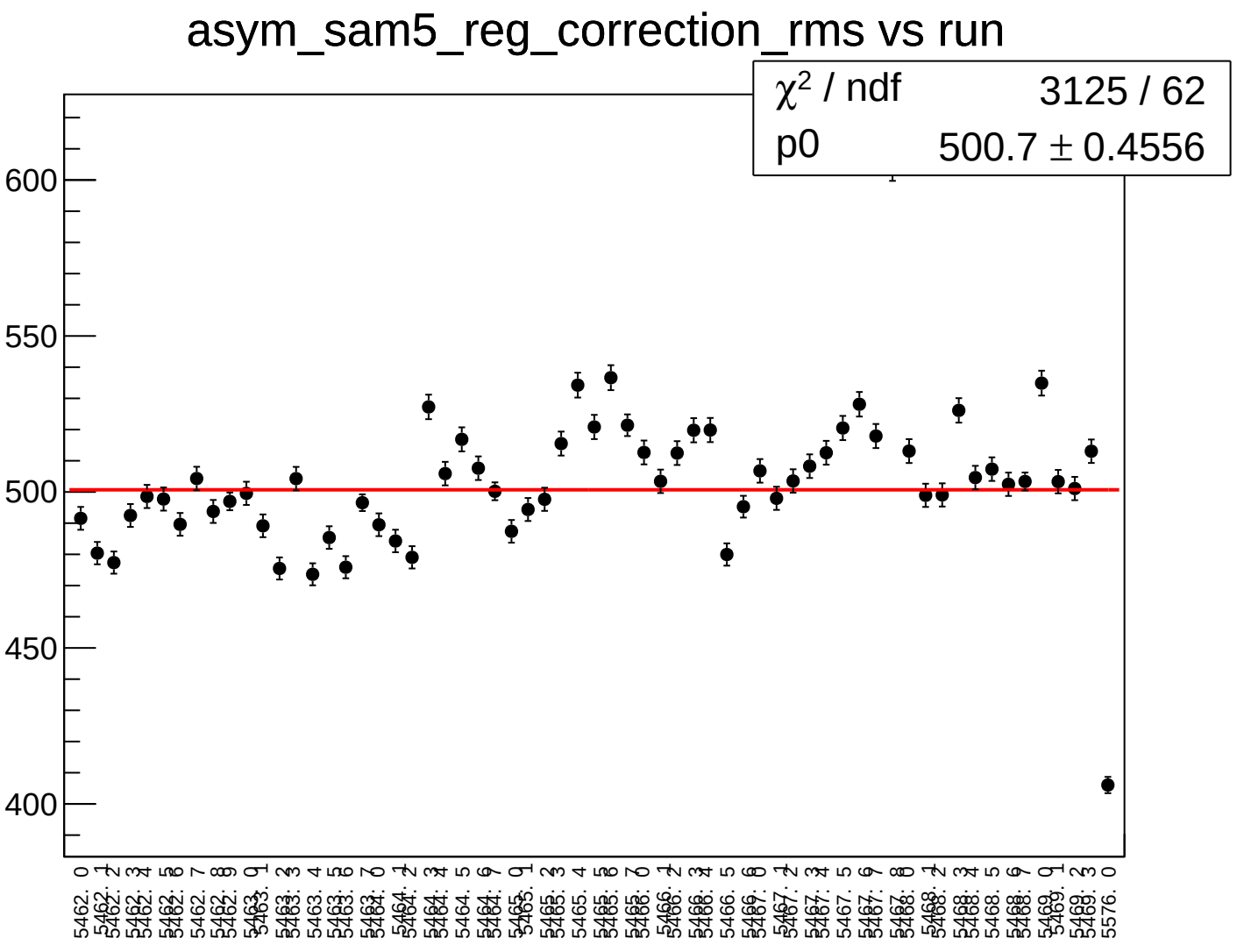

reg_asym_sam5_mean vs run
χ² / ndf 95.79 / 62
p0 29.18 ± 105.3
pull
Entries 63
Mean −229.1
Std Dev 0

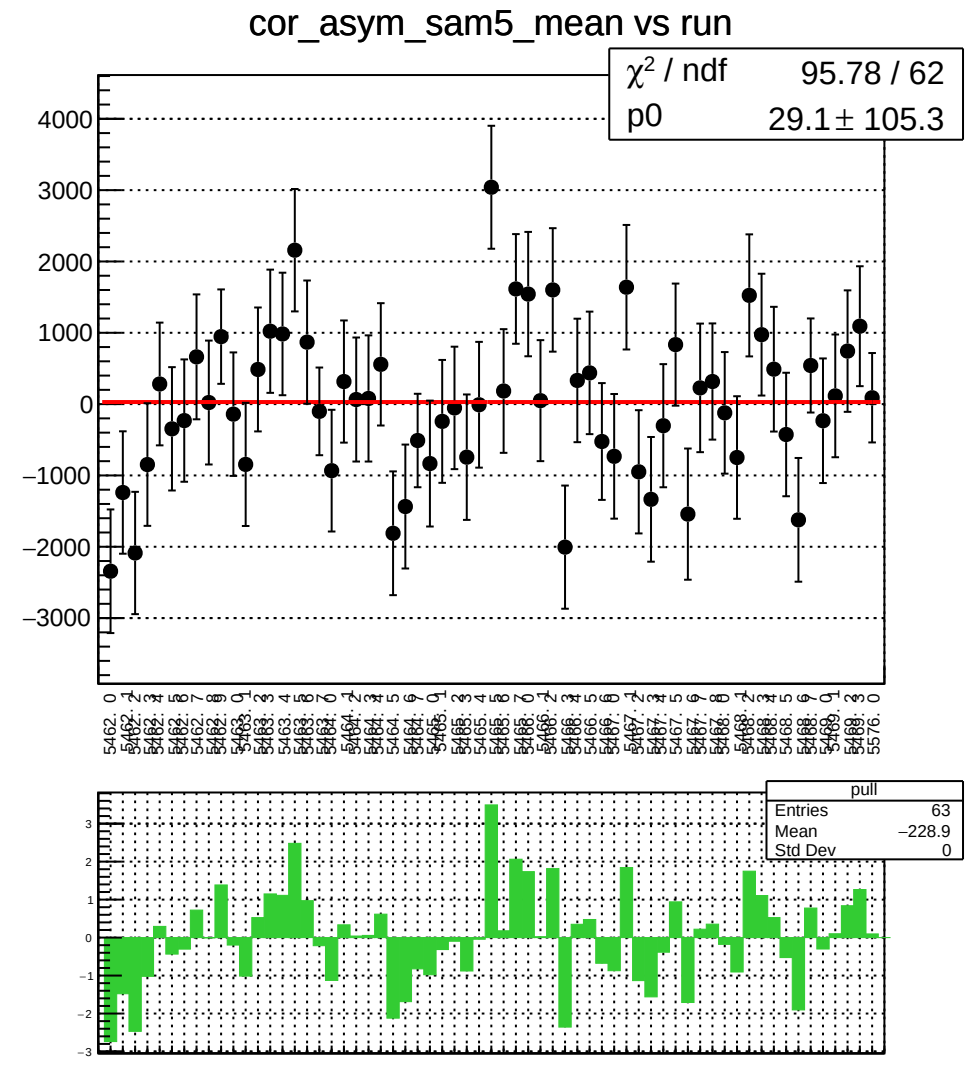

pull1D
Entries 63
Mean −0.01266
Std Dev 1.233

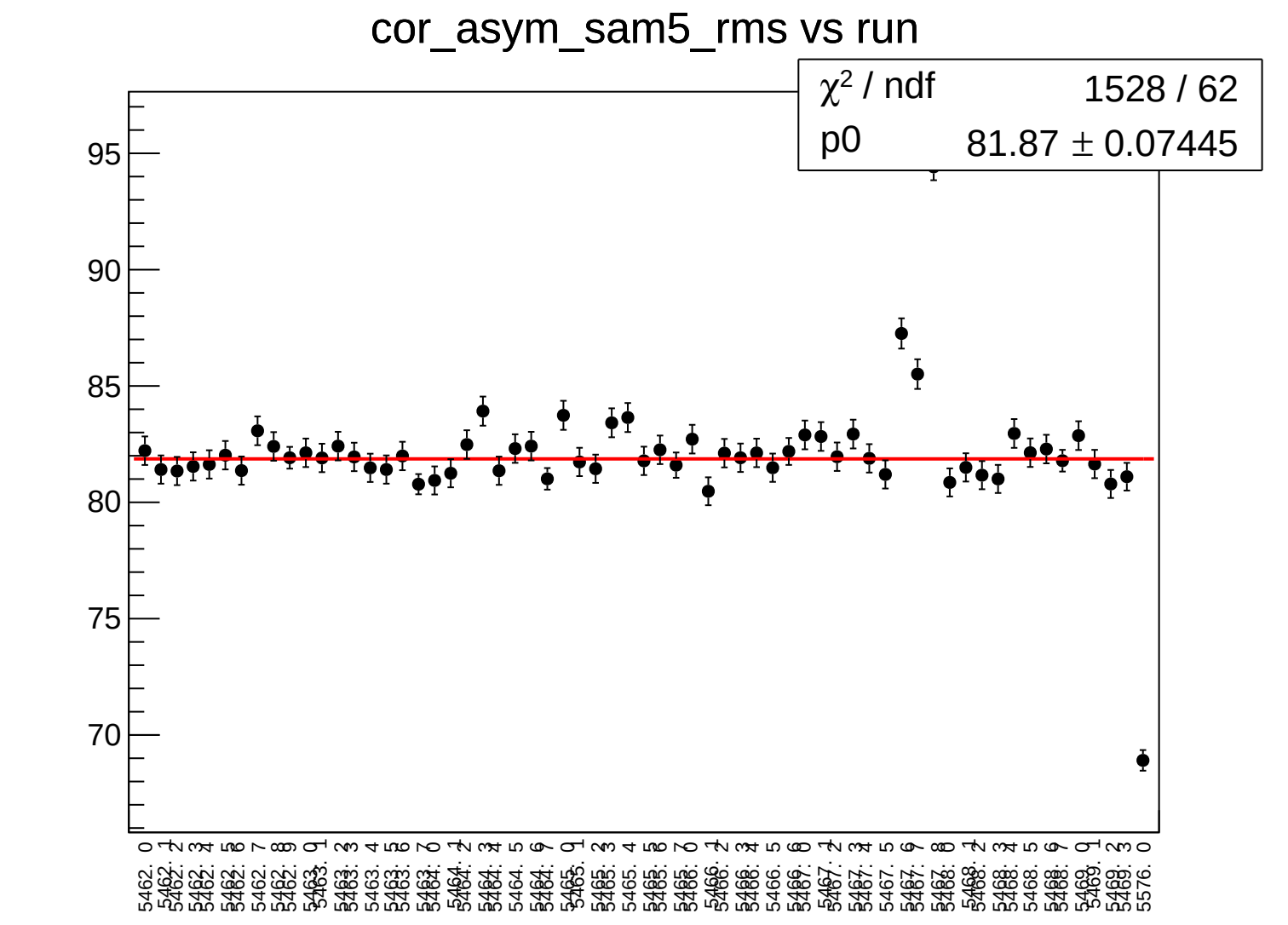

reg_asym_sam5_rms vs run
χ^2 / ndf 1528 / 62
p0 81.87 ± 0.07445
95
90
85
80
75
70

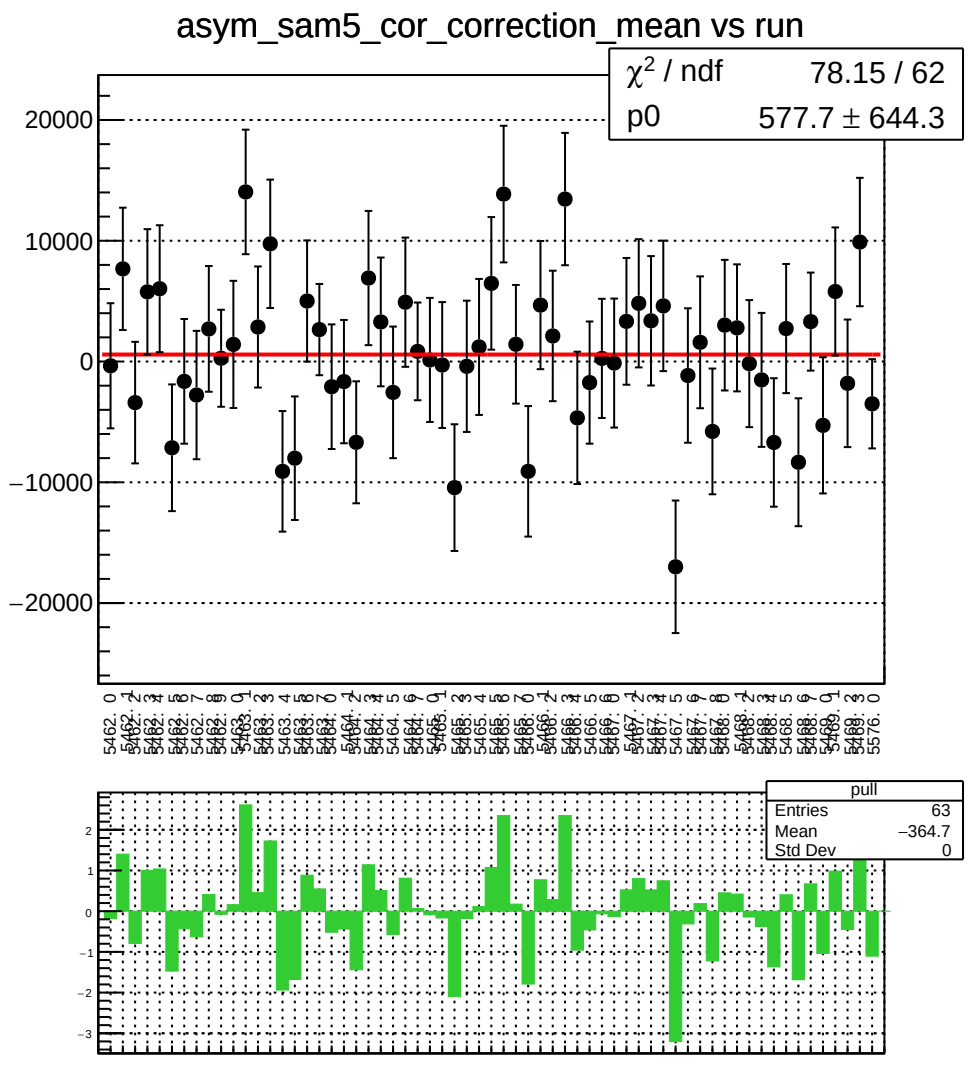

asym_sam5_reg_correction_mean vs run
χ² / ndf 78.15 / 62
p0 577.7 ± 644.3
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −364.2
Std Dev 0
2
1
0
−1
−2
−3

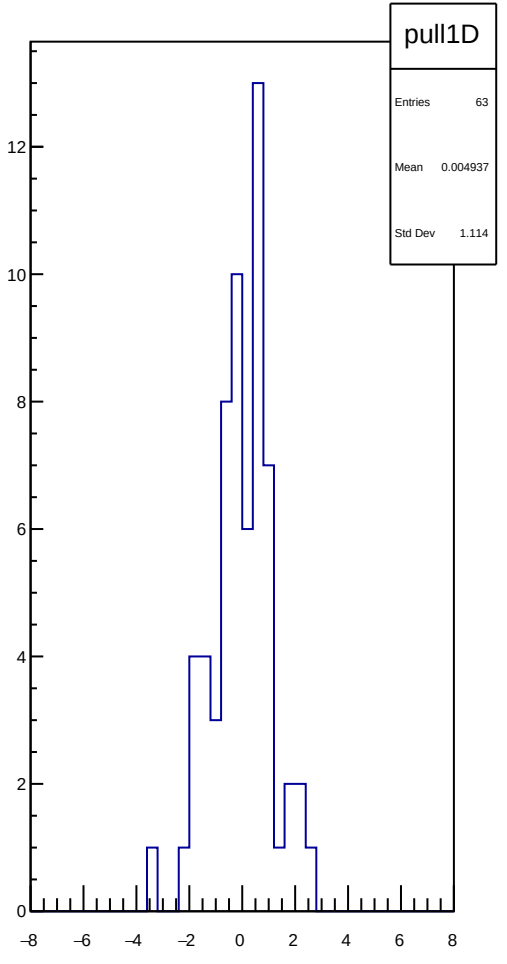

pull1D
Entries 63
Mean 0.004943
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

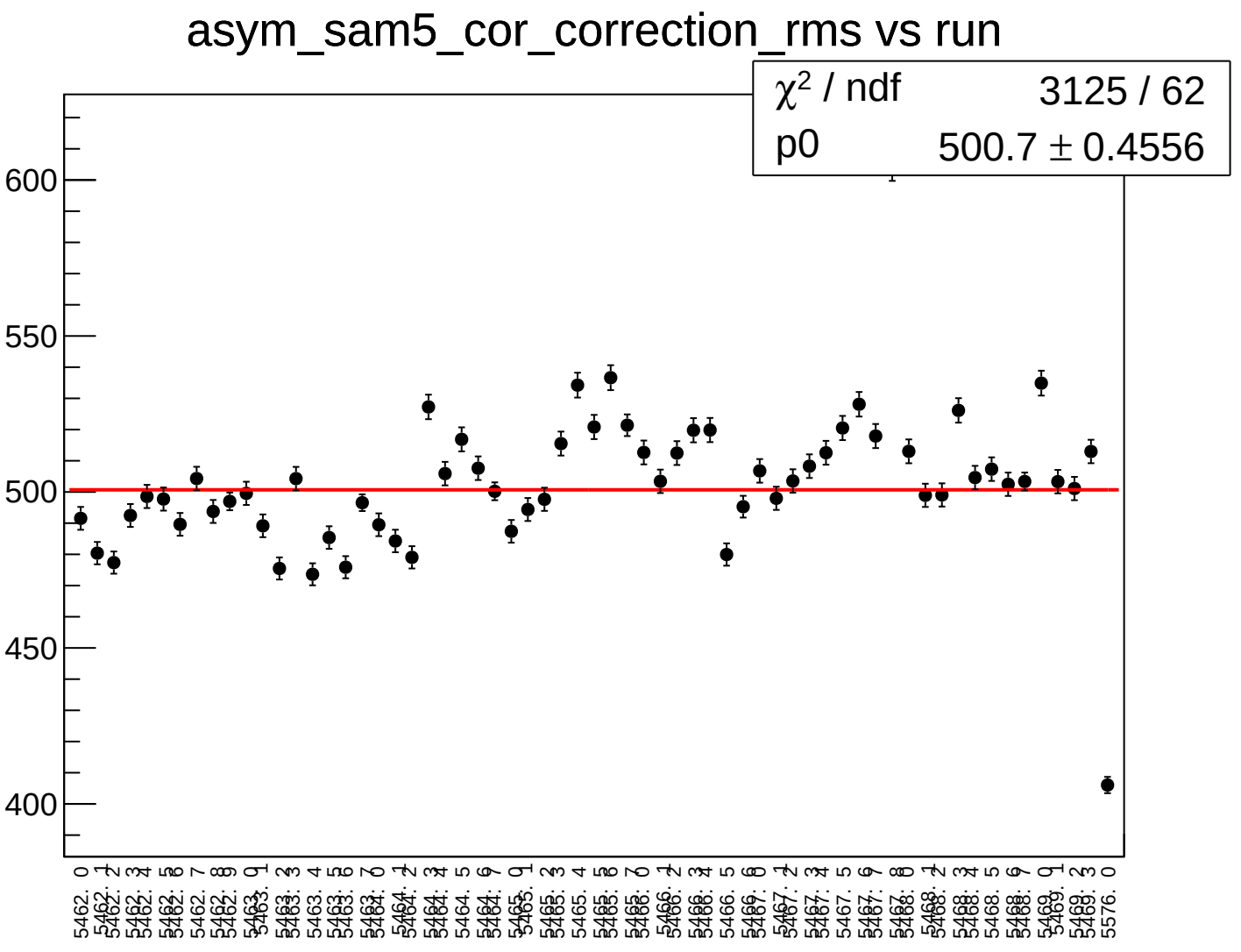

asym_sam5_reg_correction_rms vs run
χ² / ndf 3125 / 62
p0 500.7 ± 0.4556
600
550
500
450
400

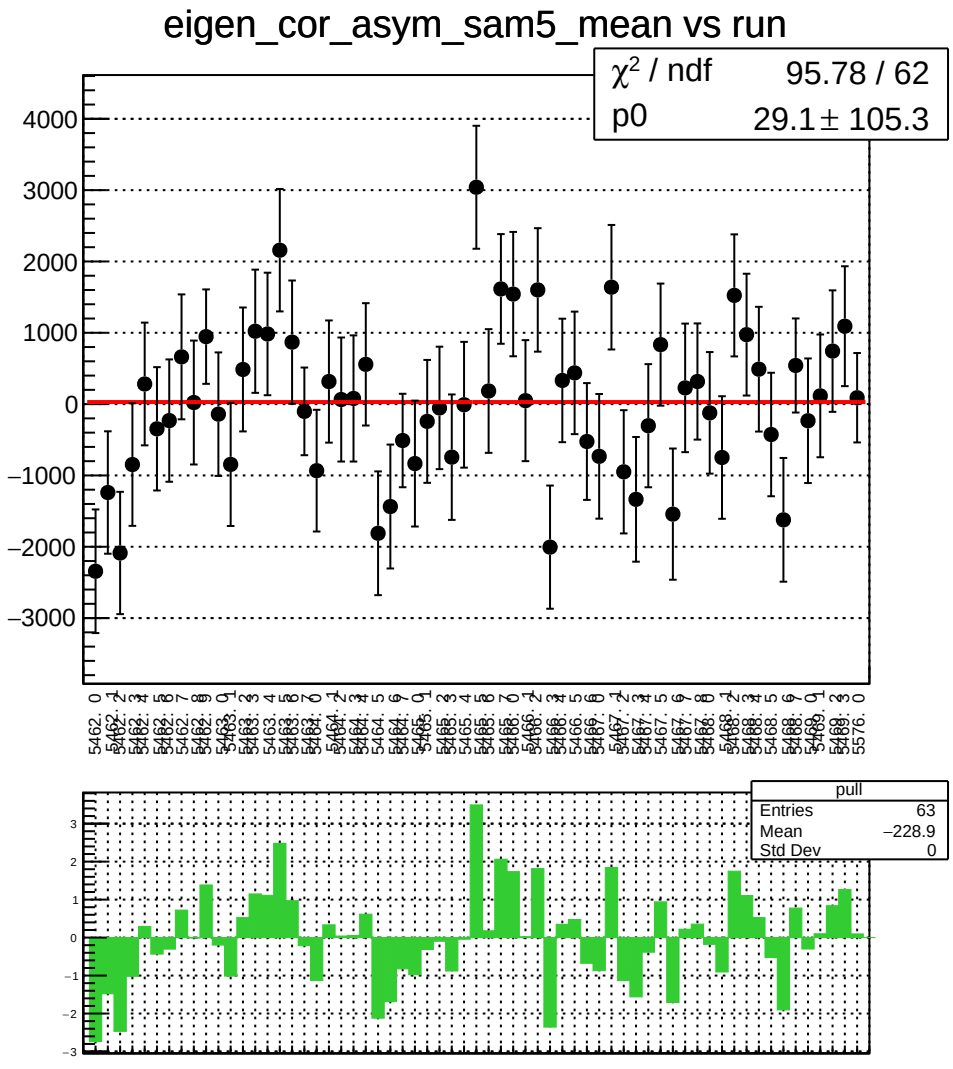

cor_asym_sam5_mean vs run
χ² / ndf 95.78 / 62
p0 29.1 ± 105.3
pull
Entries 63
Mean −228.9
Std Dev 0
pull1D
Entries 63
Mean −0.01266
Std Dev 1.233

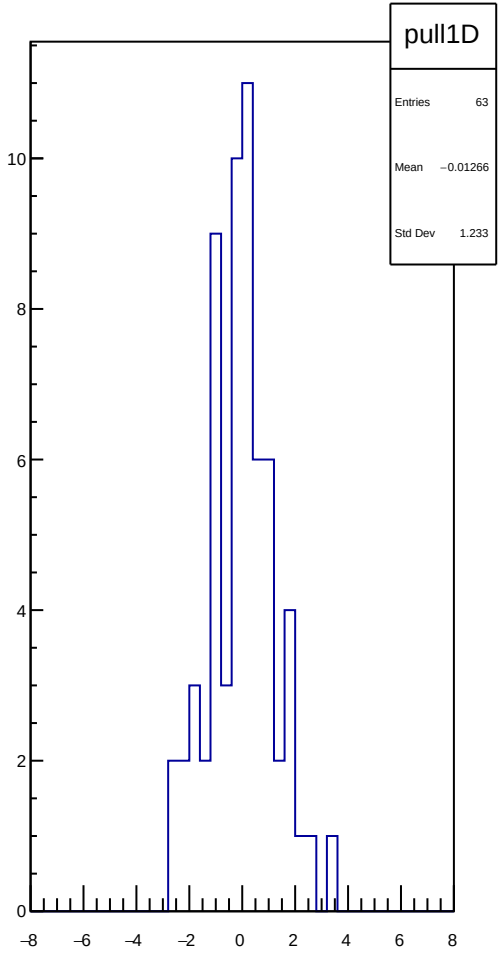

cor_asym_sam5_rms vs run
χ² / ndf 1528 / 62
p0 81.87 ± 0.07445
95
90
85
80
75
70

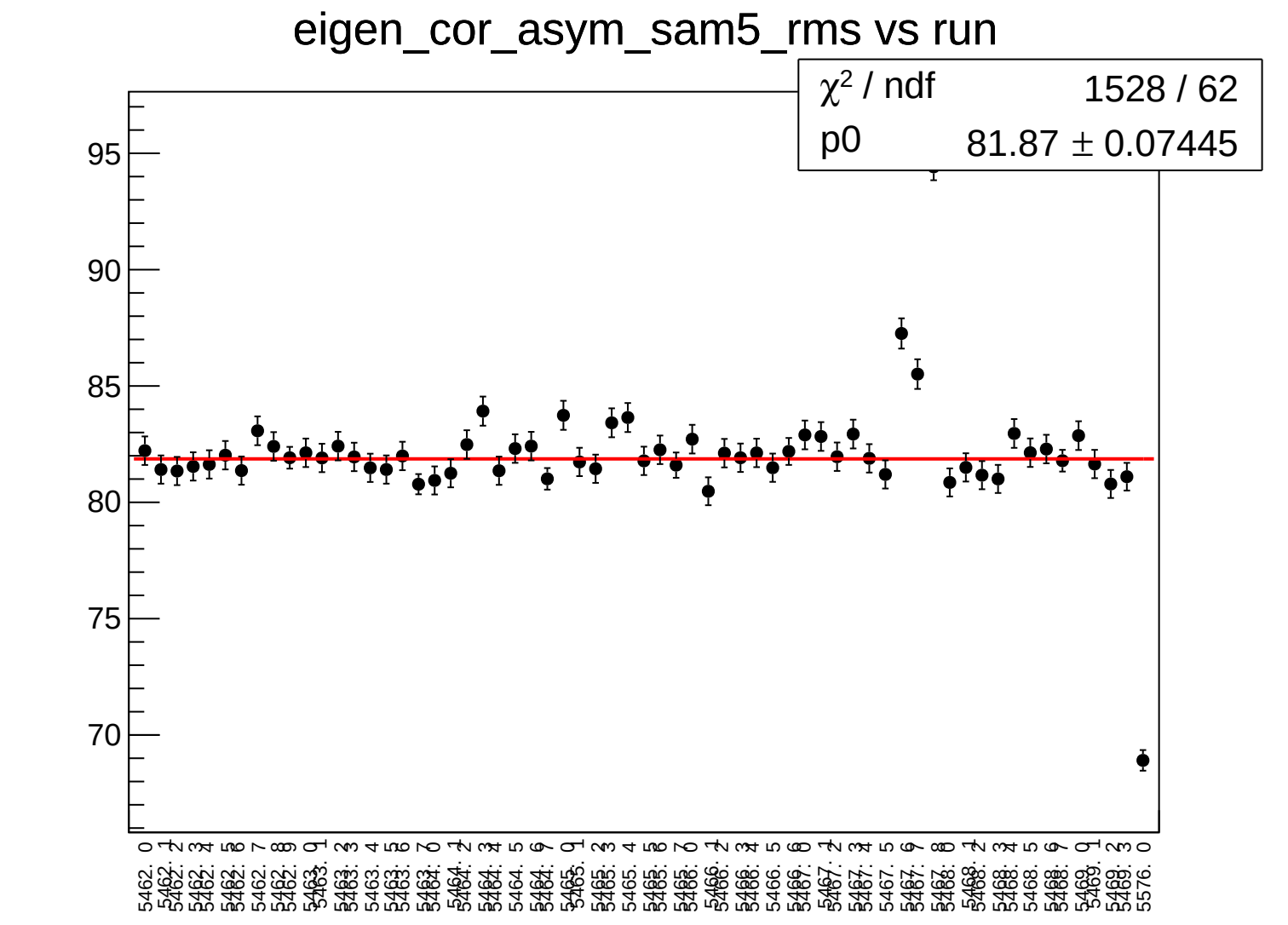

asym_sam5_cor_correction_mean vs run
χ² / ndf 78.15 / 62
p0 577.7 ± 644.3
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −364.7
Std Dev 0
2
1
0
−1
−2
−3

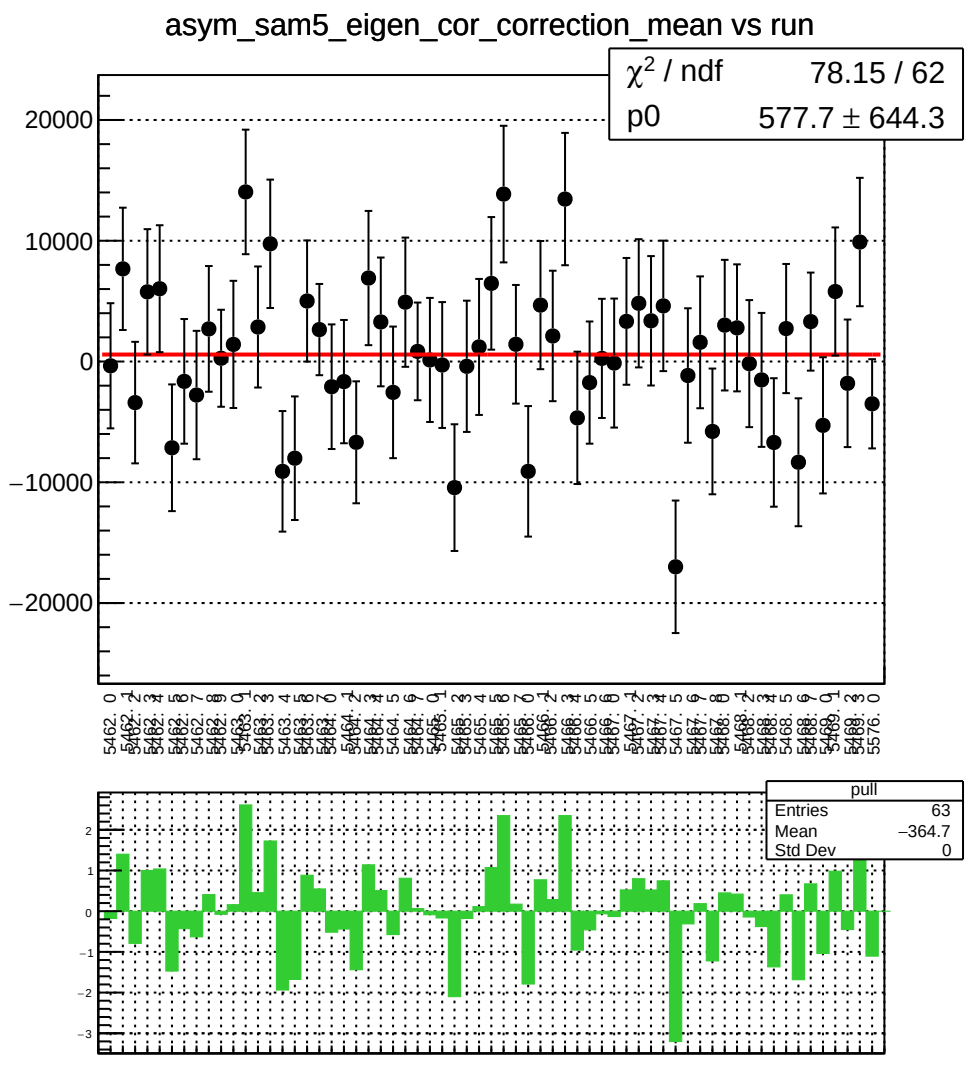

pull1D
Entries 63
Mean 0.004937
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

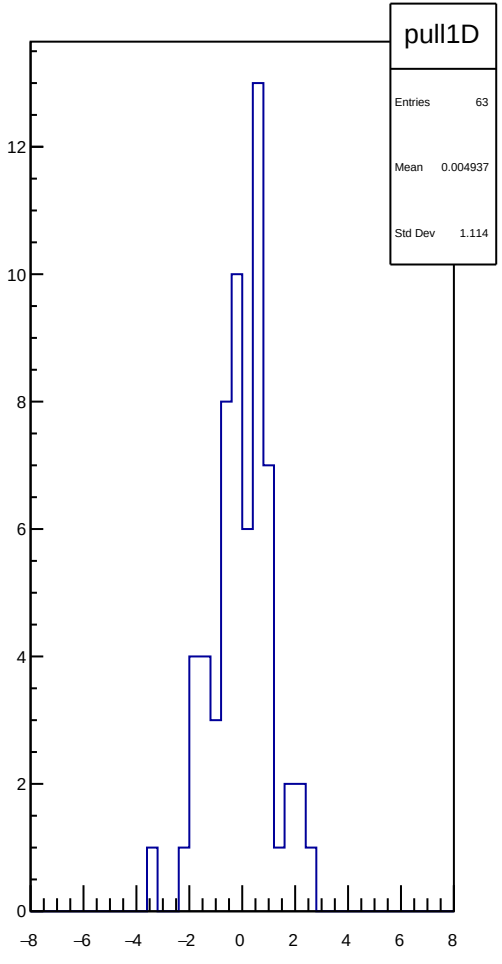

asym_sam5_cor_correction_rms vs run
χ² / ndf 3125 / 62
p0 500.7 ± 0.4556
600
550
500
450
400

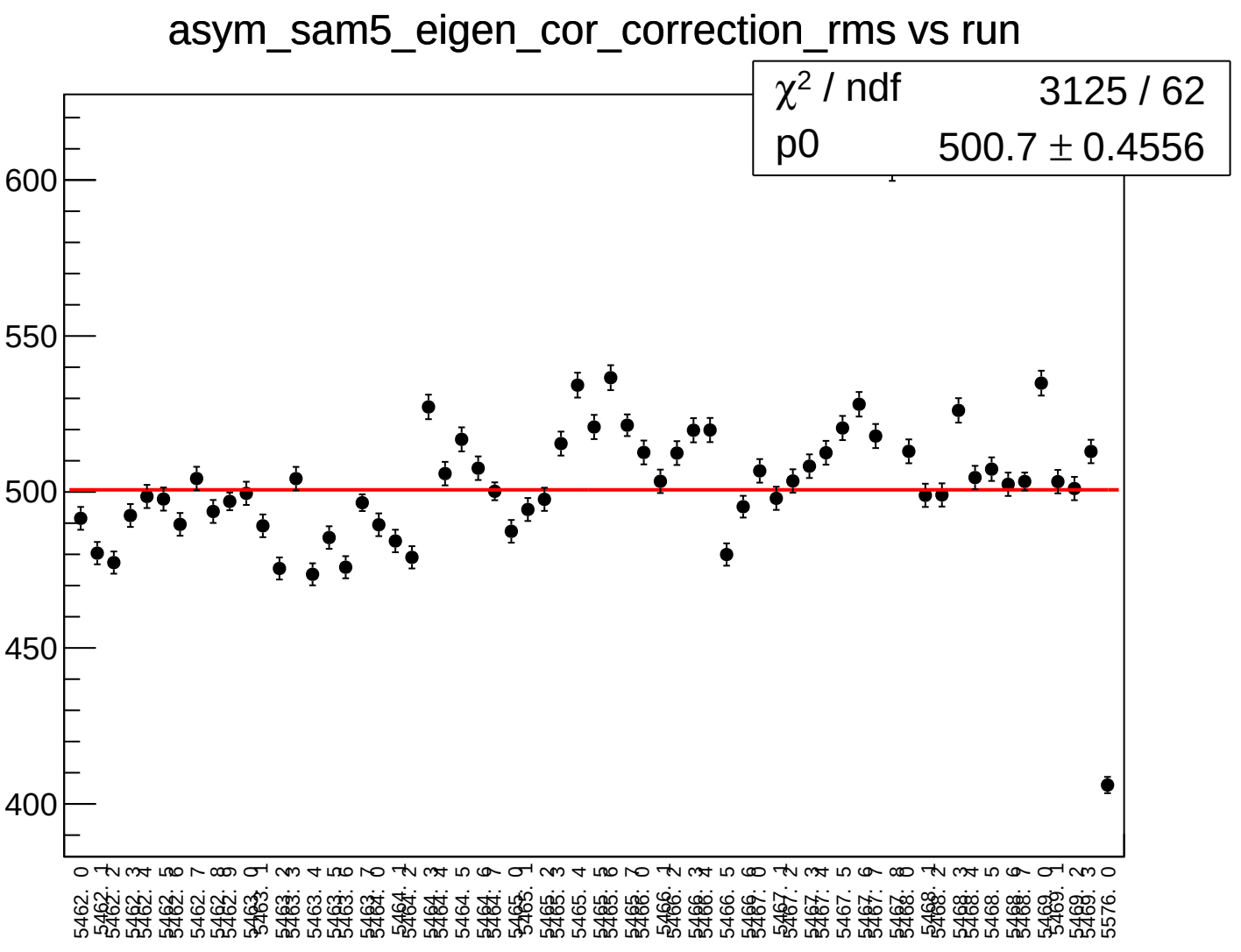

eigen_cor_asym_sam5_mean vs run
χ² / ndf 95.78 / 62
p0 29.1 ± 105.3
pull
Entries 63
Mean −228.9
Std Dev 0

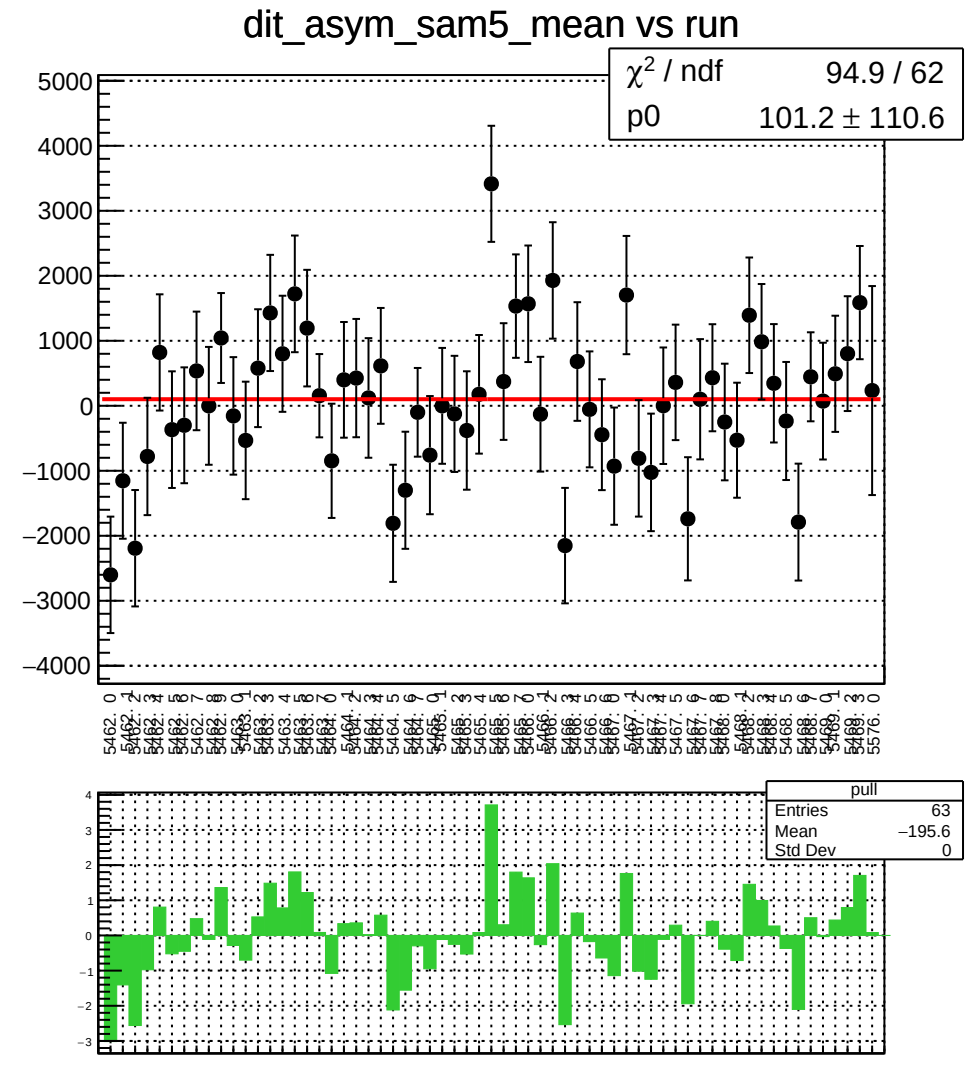

pull1D
Entries 63
Mean −0.01266
Std Dev 1.233

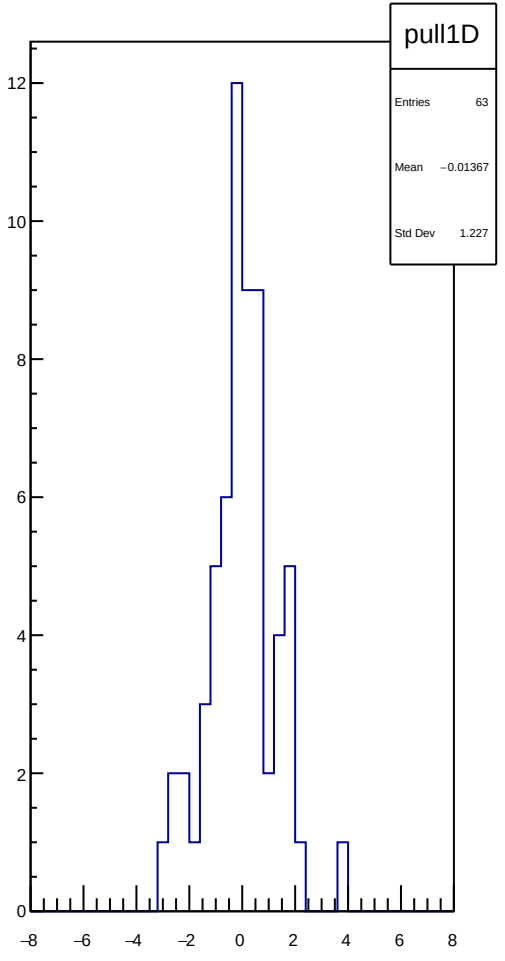

eigen_cor_asym_sam5_rms vs run
χ^2 / ndf 1528 / 62
p0 81.87 ± 0.07445
95
90
85
80
75
70

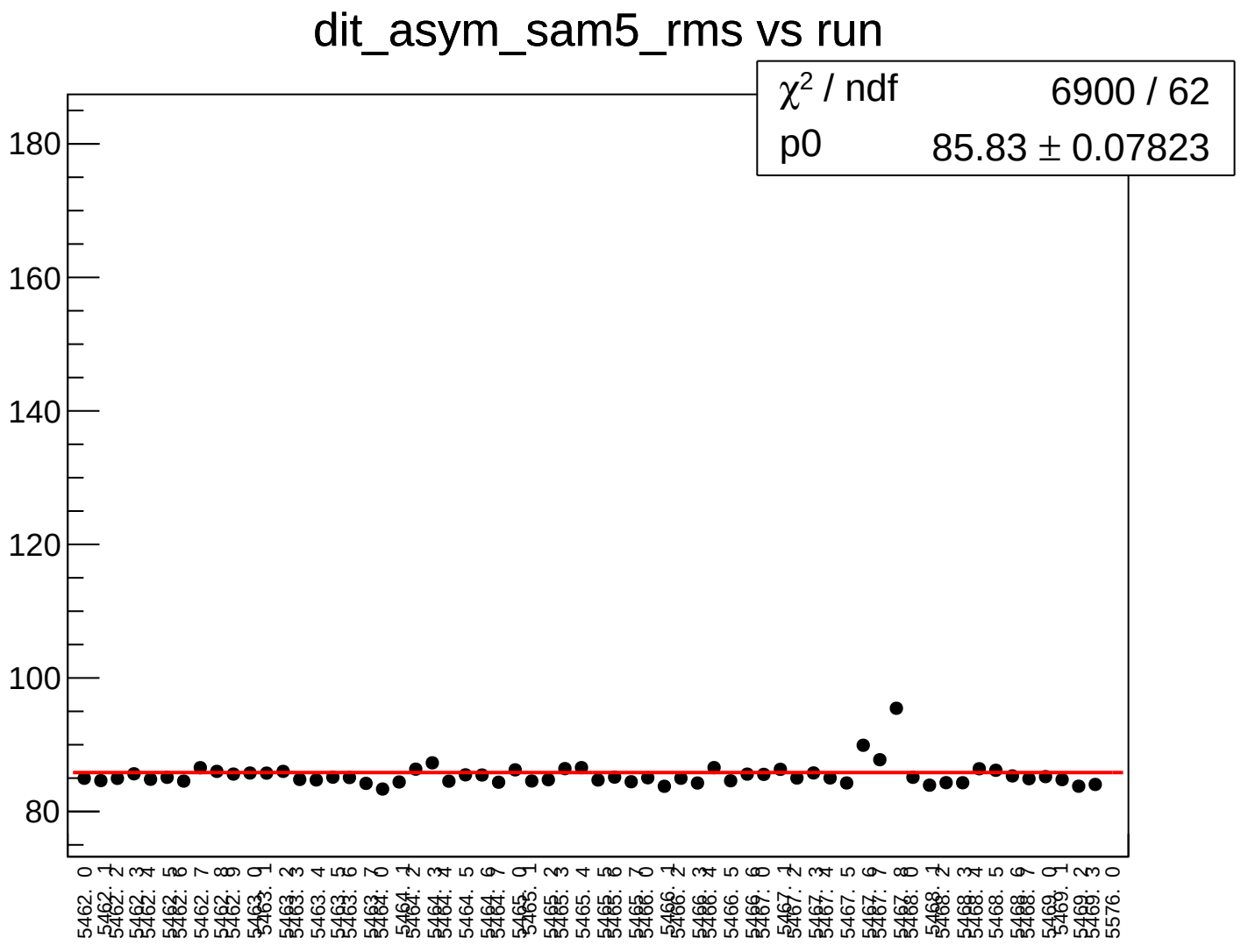

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 78.15 / 62
p0 577.7 ± 644.3
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −364.7
Std Dev 0

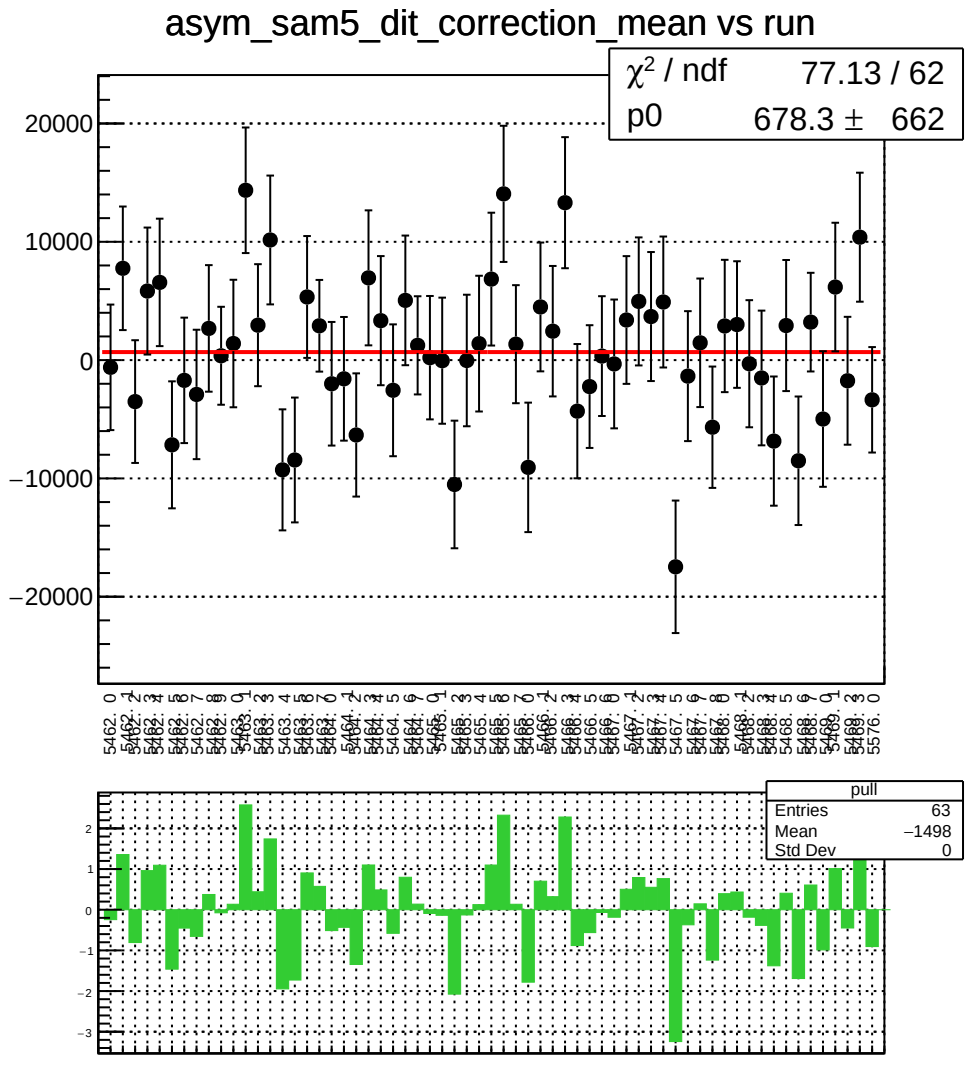

pull1D
Entries 63
Mean 0.004937
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

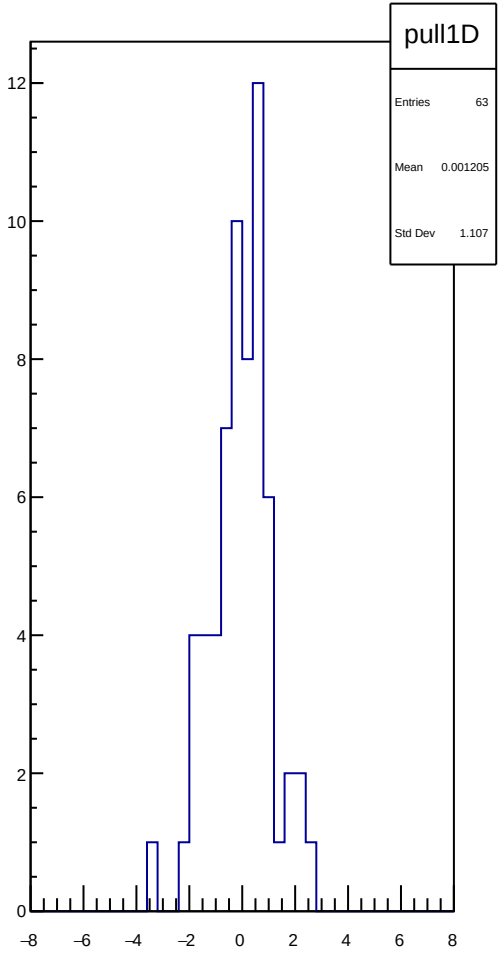

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 3125 / 62
p0 500.7 ± 0.4556
600
550
500
450
400

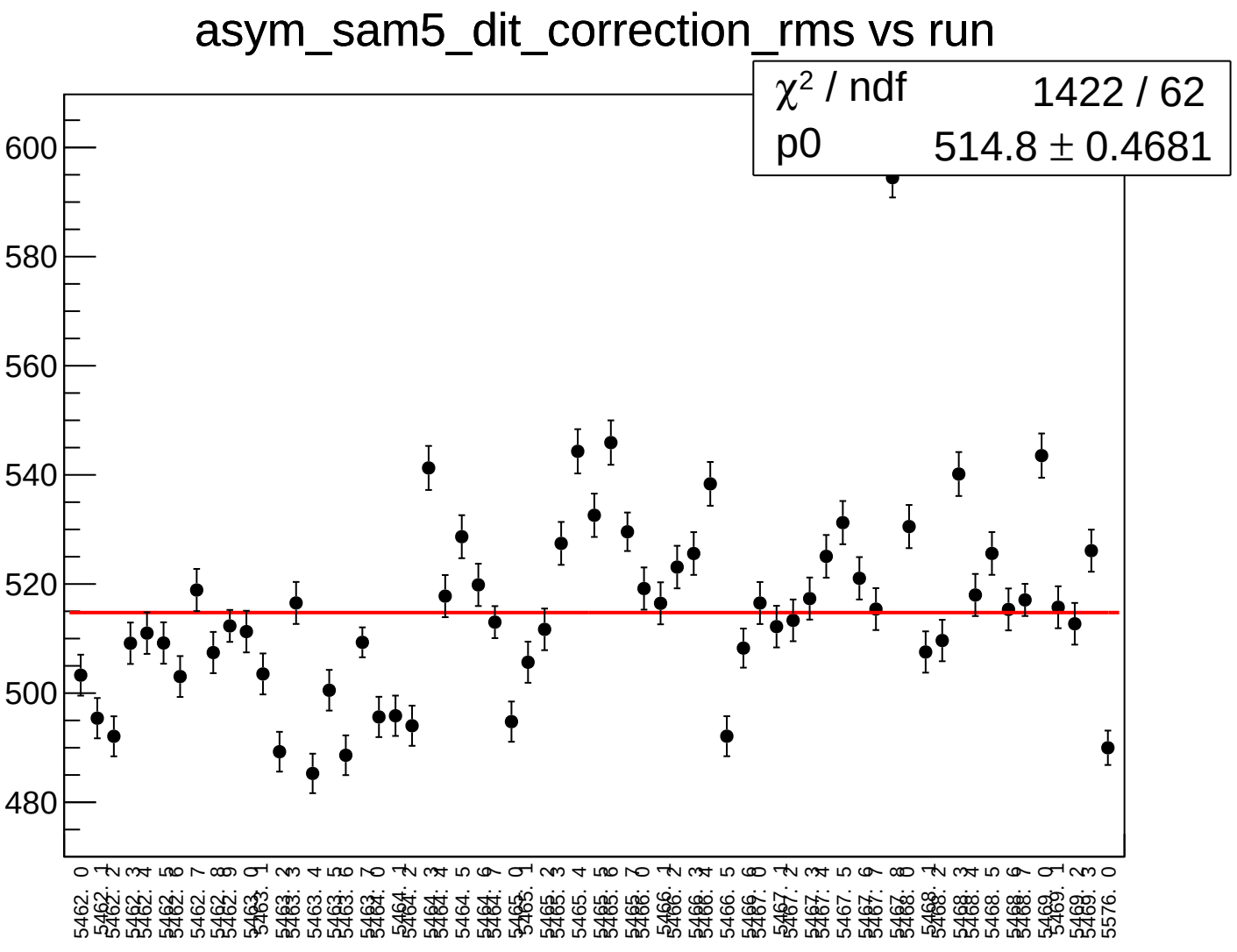

dit_asym_sam5_mean vs run
χ^2 / ndf 94.9 / 62
p0 101.2 ± 110.6
pull
Entries 63
Mean −195.6
Std Dev 0

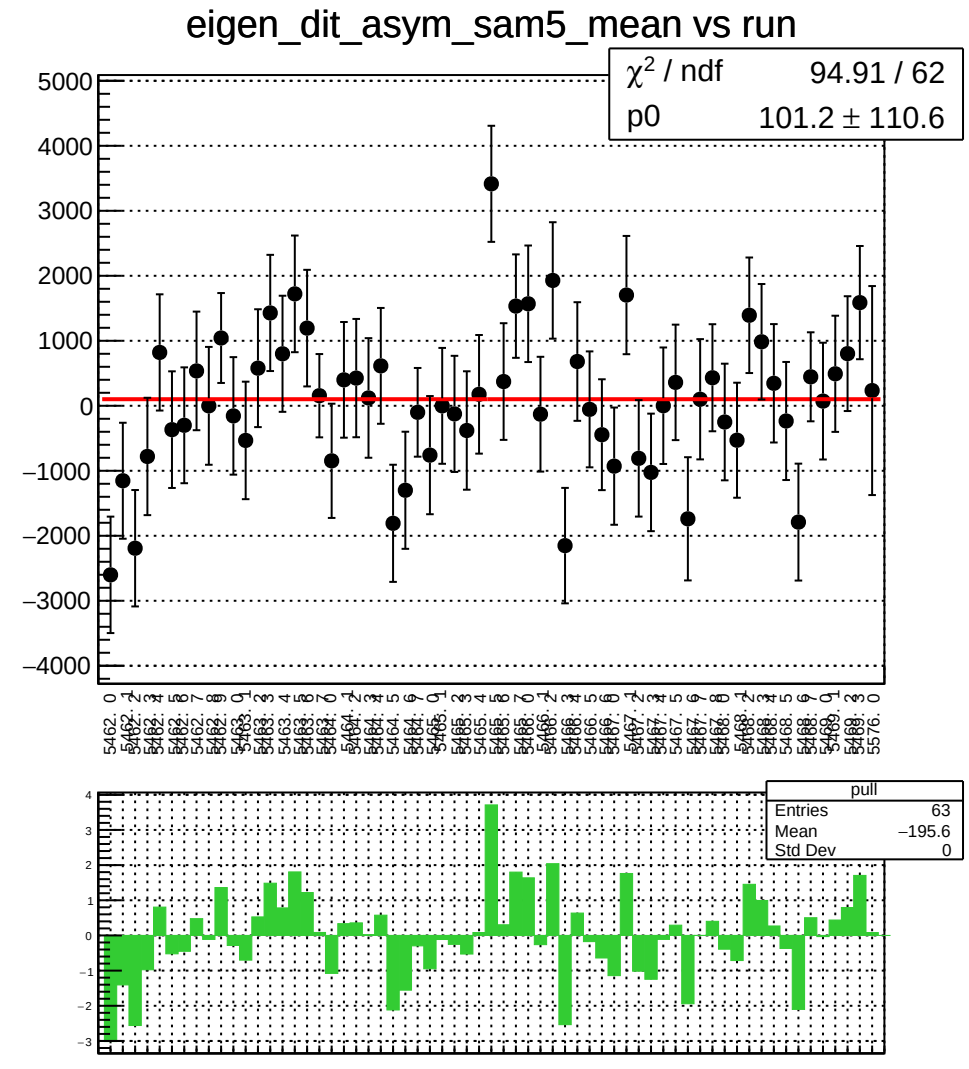

pull1D
Entries 63
Mean −0.01367
Std Dev 1.227

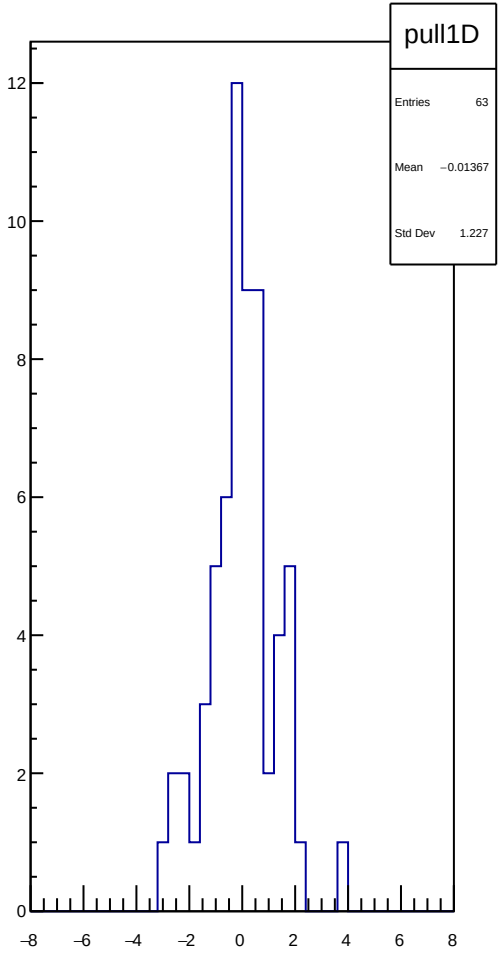

dit_asym_sam5_rms vs run
χ² / ndf 6900 / 62
p0 85.83 ± 0.07823
180
160
140
120
100
80

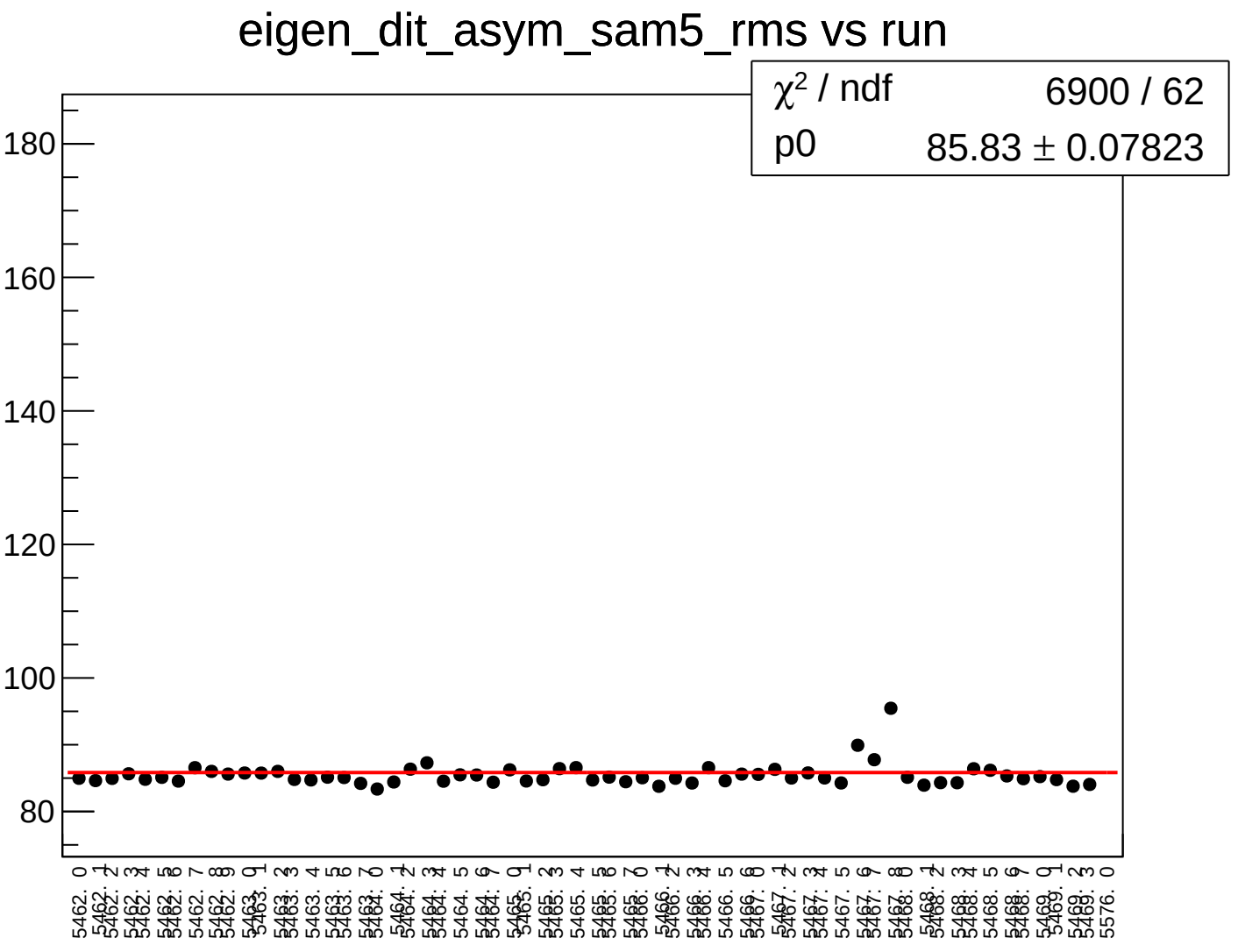

asym_sam5_dit_correction_mean vs run
χ² / ndf 77.13 / 62
p0 678.3 ± 662
pull
Entries 63
Mean −1498
Std Dev 0

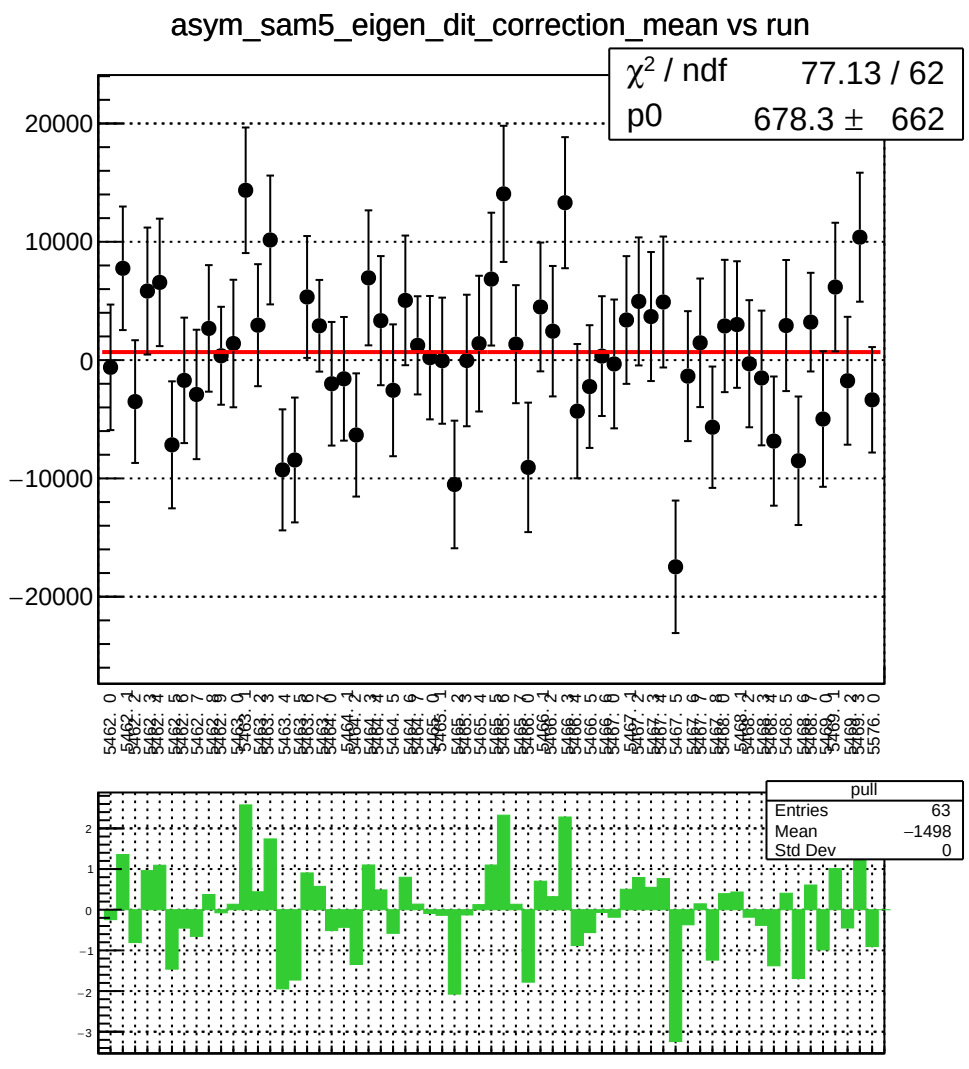

pull1D
Entries 63
Mean 0.001205
Std Dev 1.107

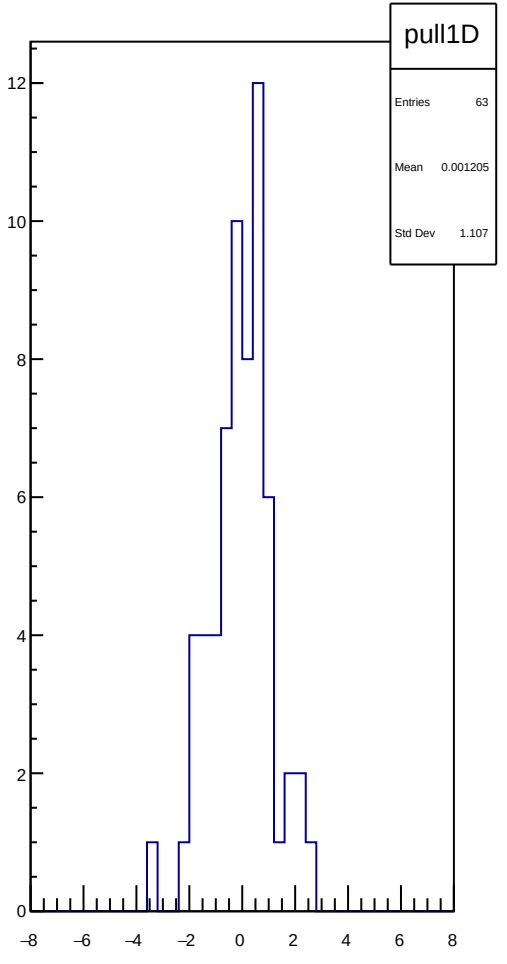

asym_sam5_dit_correction_rms vs run
χ² / ndf 1422 / 62
p0 514.8 ± 0.4681
600
580
560
540
520
500
480

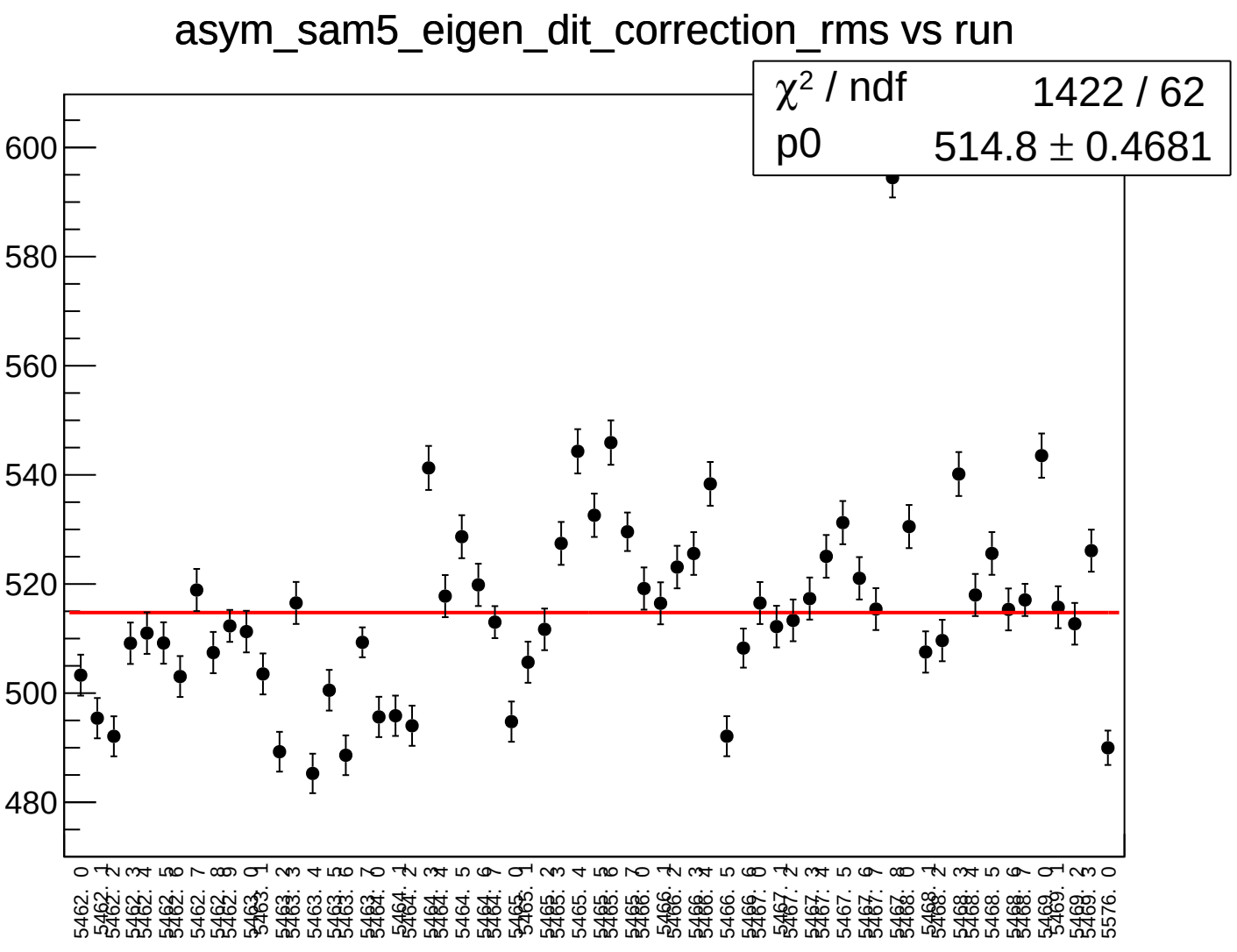

eigen_dit_asym_sam5_mean vs run
χ^2 / ndf 94.91 / 62
p0 101.2 ± 110.6
pull
Entries 63
Mean −195.6
Std Dev 0

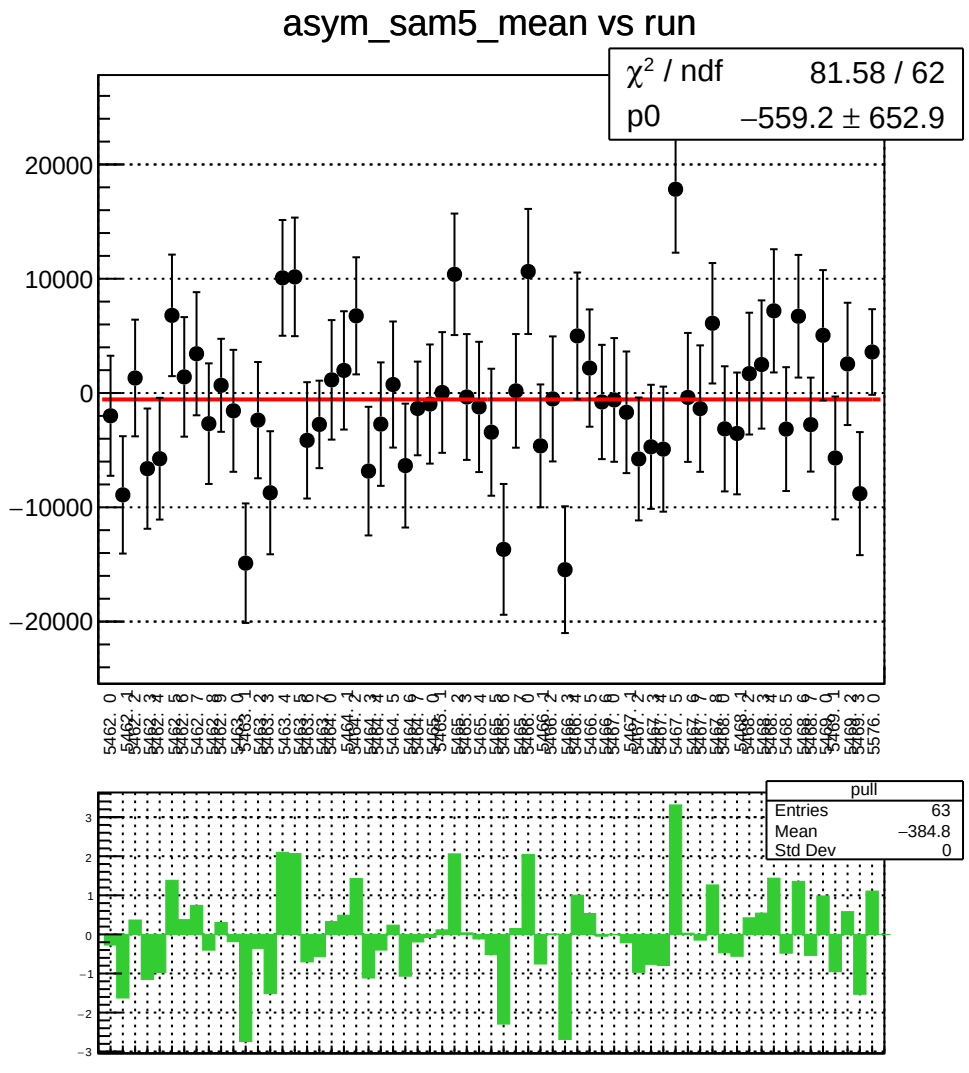

pull1D
Entries 63
Mean −0.01367
Std Dev 1.227

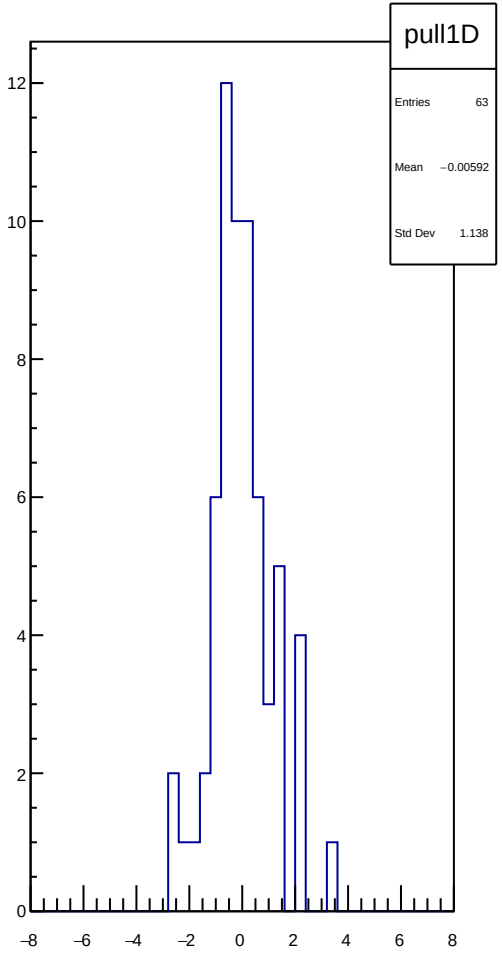

eigen_dit_asym_sam5_rms vs run
χ² / ndf 6900 / 62
p0 85.83 ± 0.07823
180
160
140
120
100
80

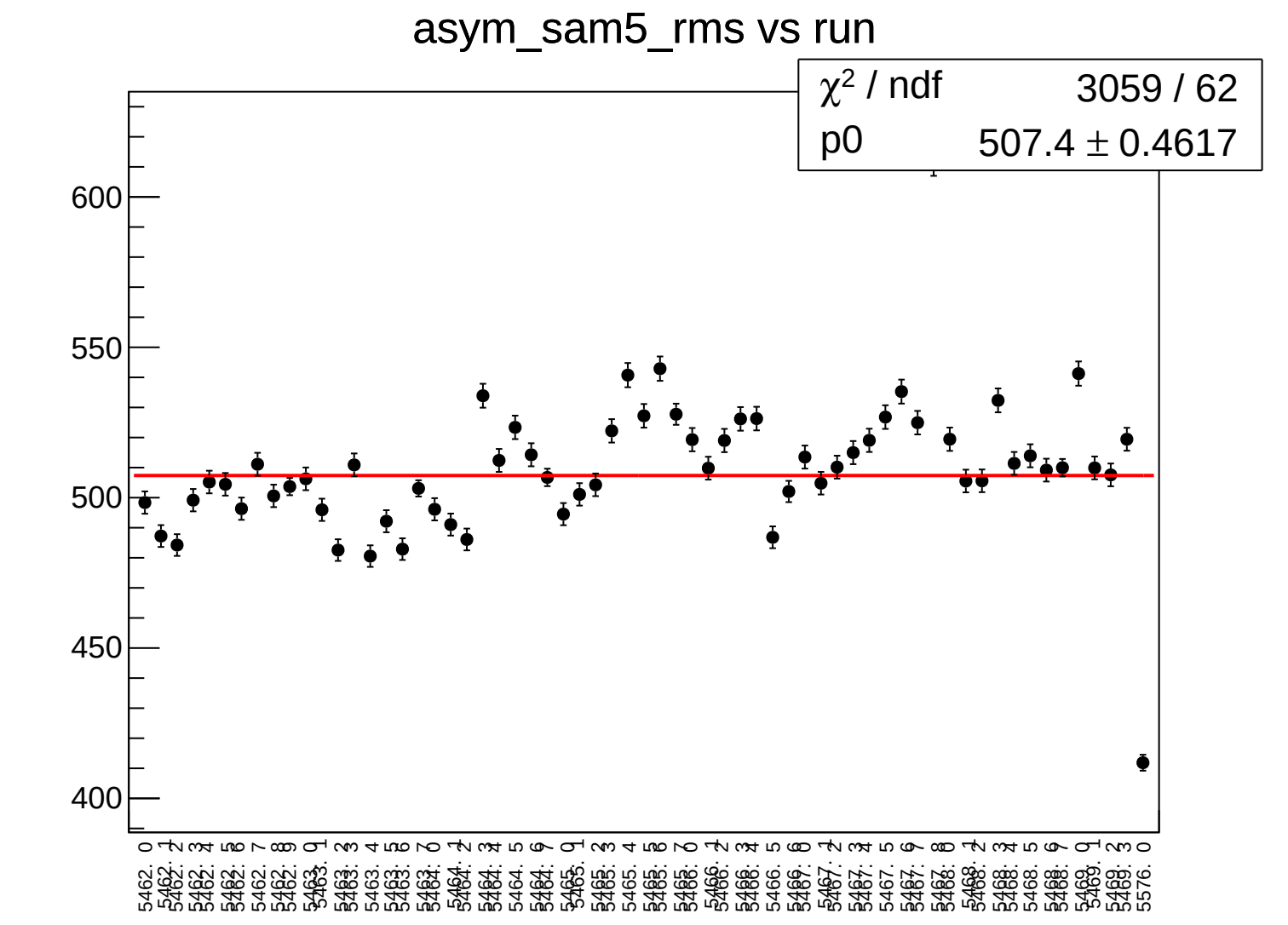

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 77.13 / 62
p0 678.3 ± 662
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −1498
Std Dev 0
2
1
0
−1
−2
−3

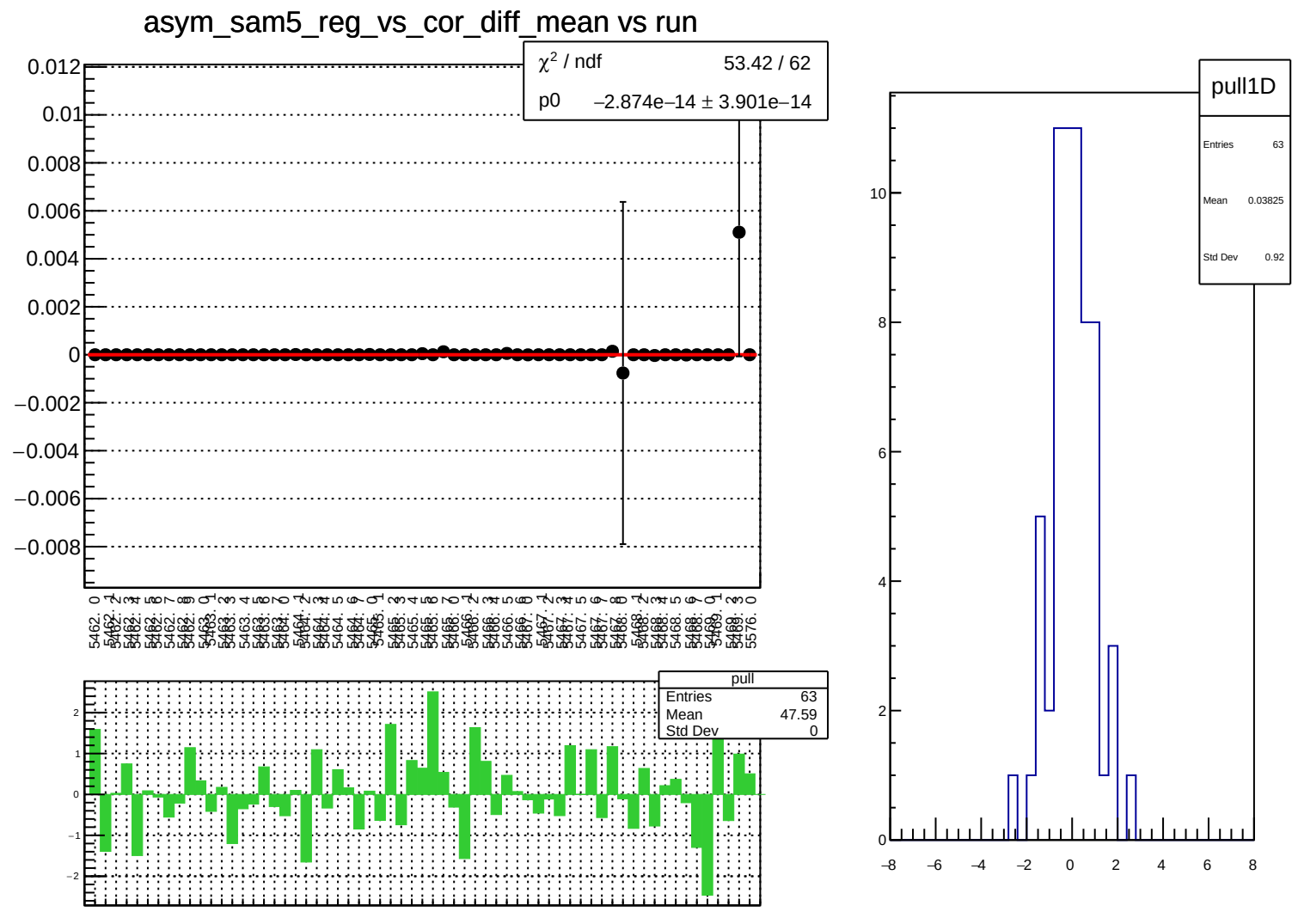

pull1D
Entries 63
Mean 0.001205
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

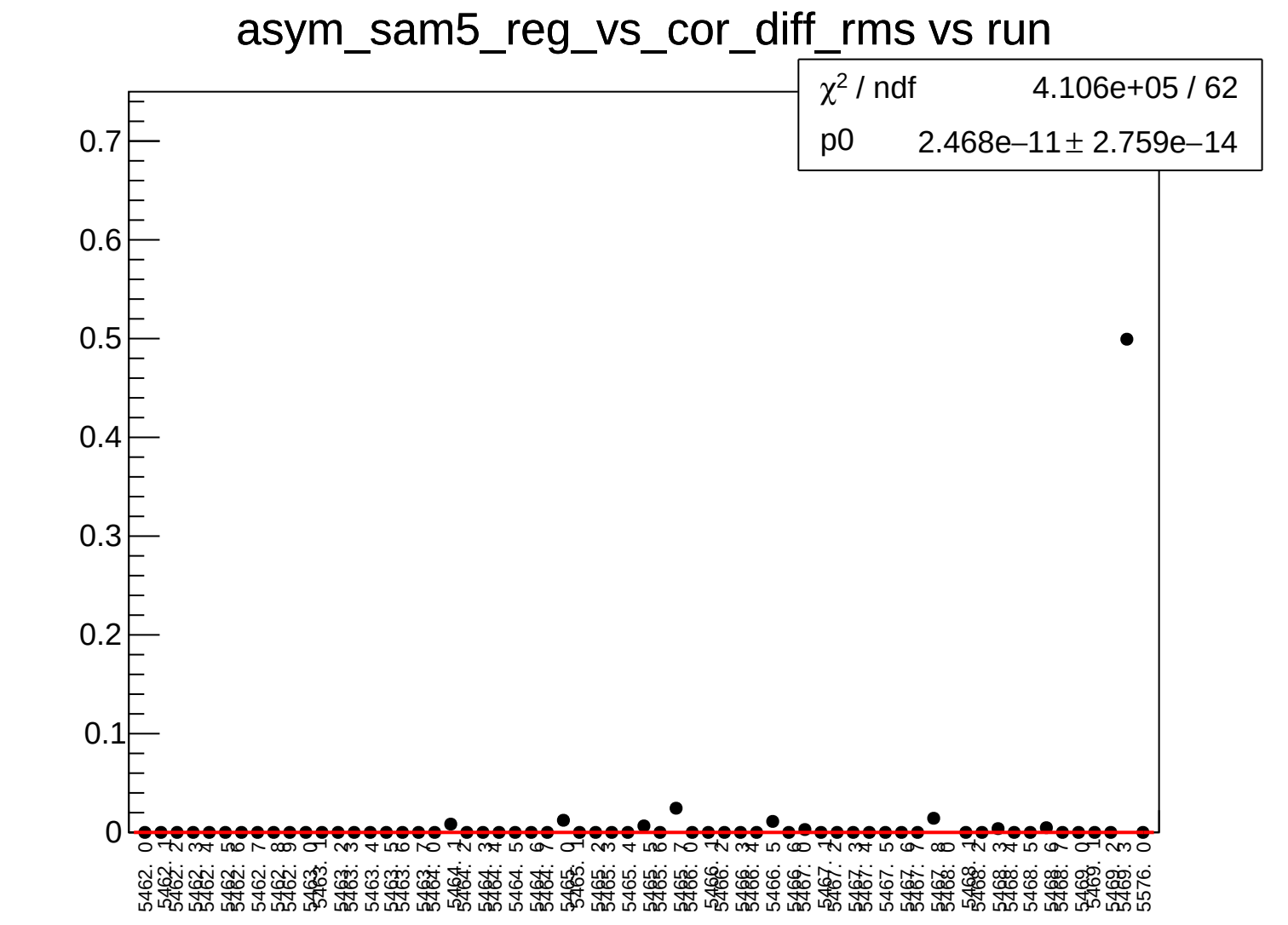

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1422 / 62
p0 514.8 ± 0.4681
600
580
560
540
520
500
480

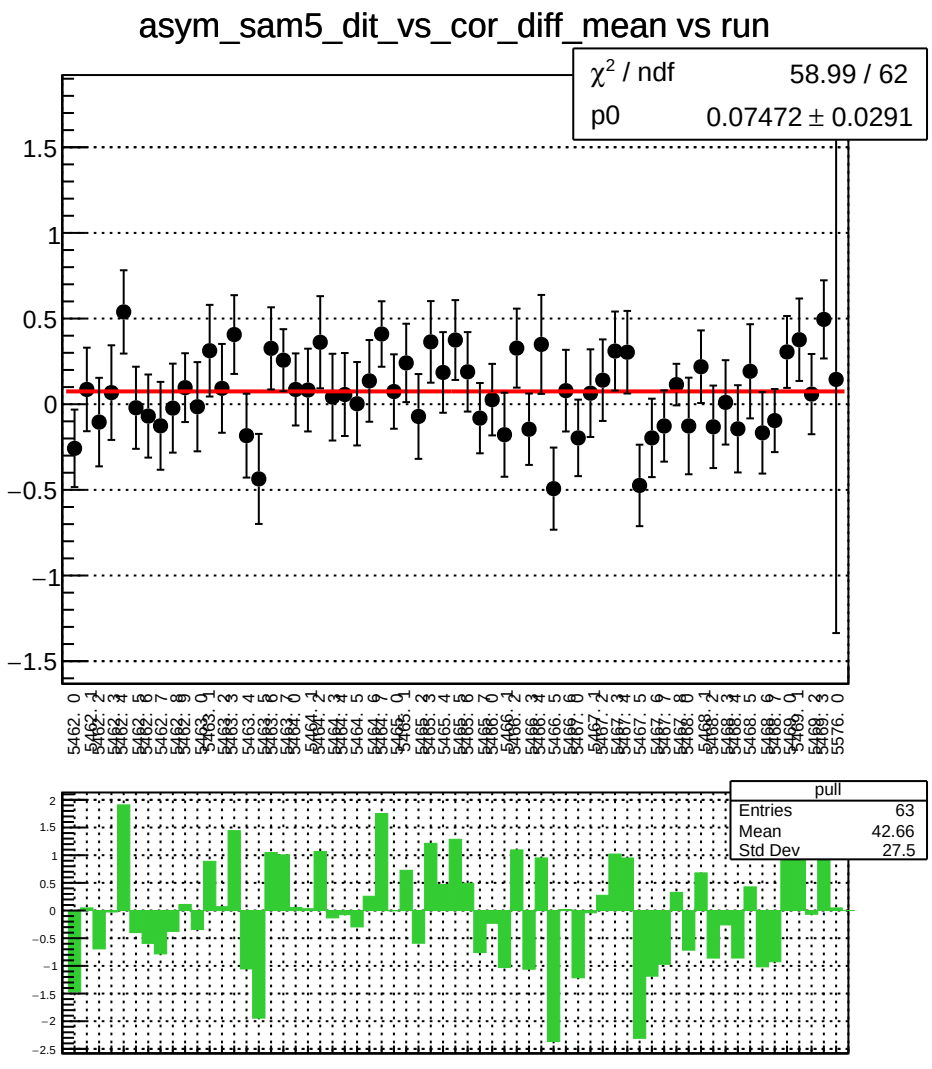

asym_sam5_mean vs run
χ² / ndf 81.58 / 62
p0 −559.2 ± 652.9
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −384.8
Std Dev 0
3
2
1
0
−1
−2
−3

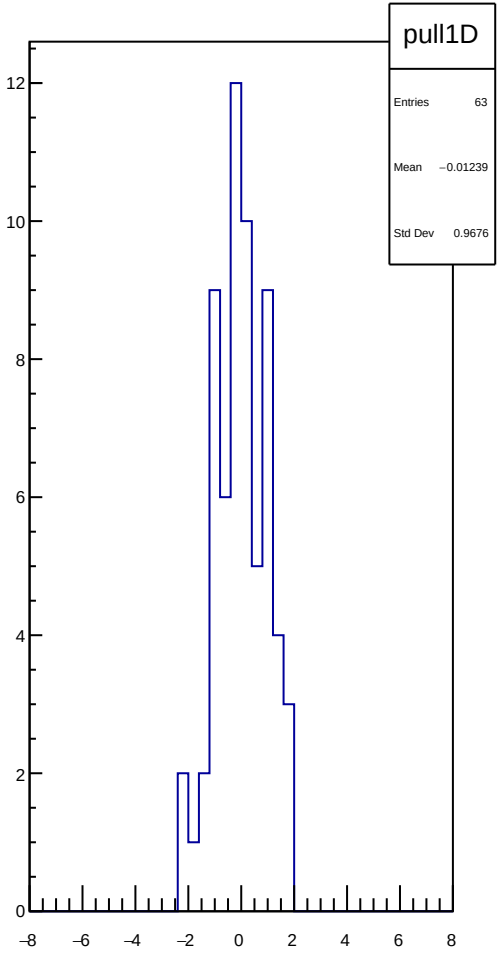

pull1D
Entries 63
Mean −0.00592
Std Dev 1.138
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

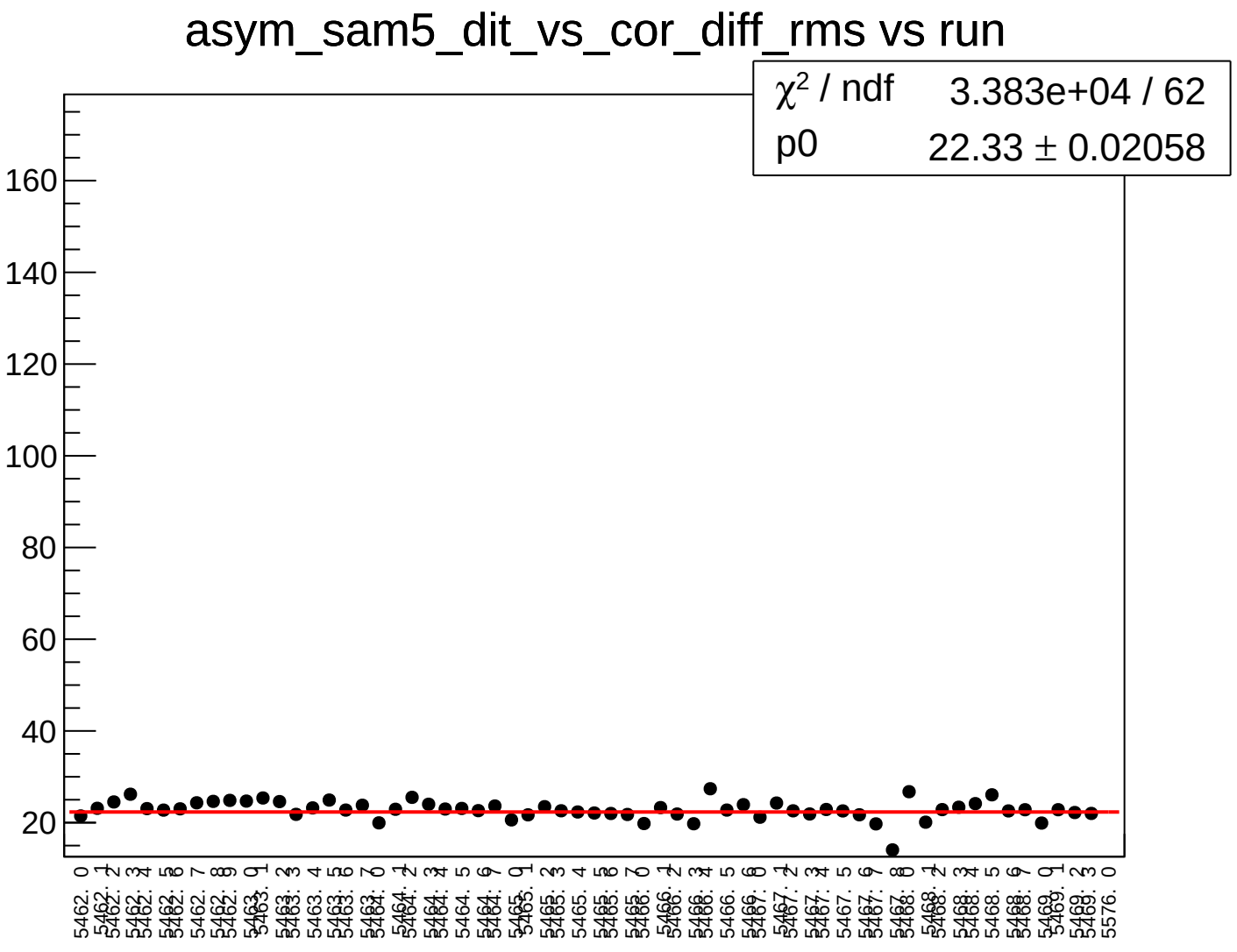

asym_sam5_rms vs run
χ² / ndf 3059 / 62
p0 507.4 ± 0.4617
600
550
500
450
400

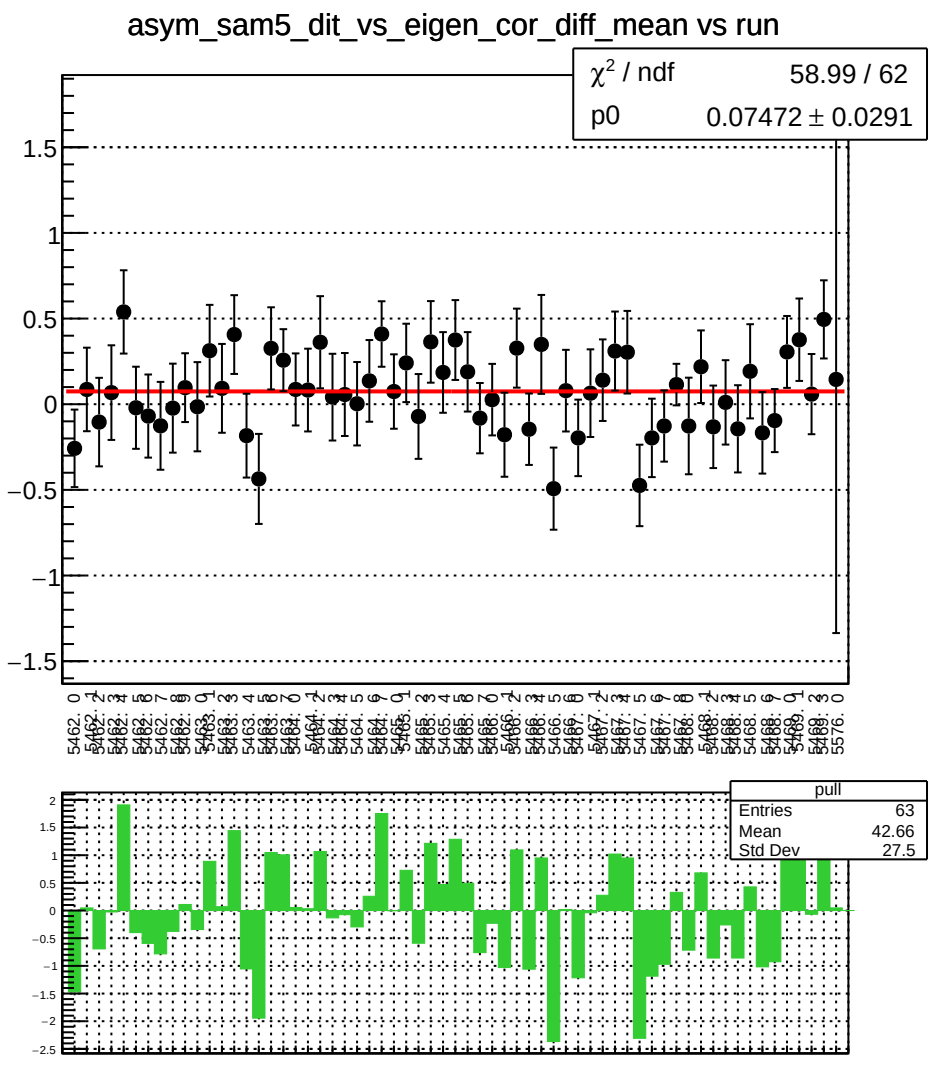

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 53.42 / 62
p0 −2.874e−14 ± 3.901e−14
pull
Entries 63
Mean 47.59
Std Dev 0
pull1D
Entries 63
Mean 0.03825
Std Dev 0.92

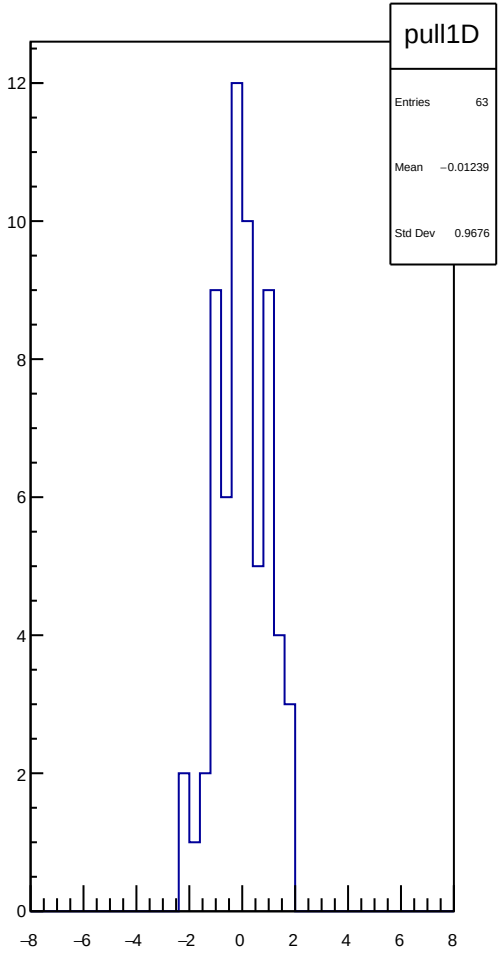

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 4.106e+05 / 62
p0 2.468e−11 ± 2.759e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

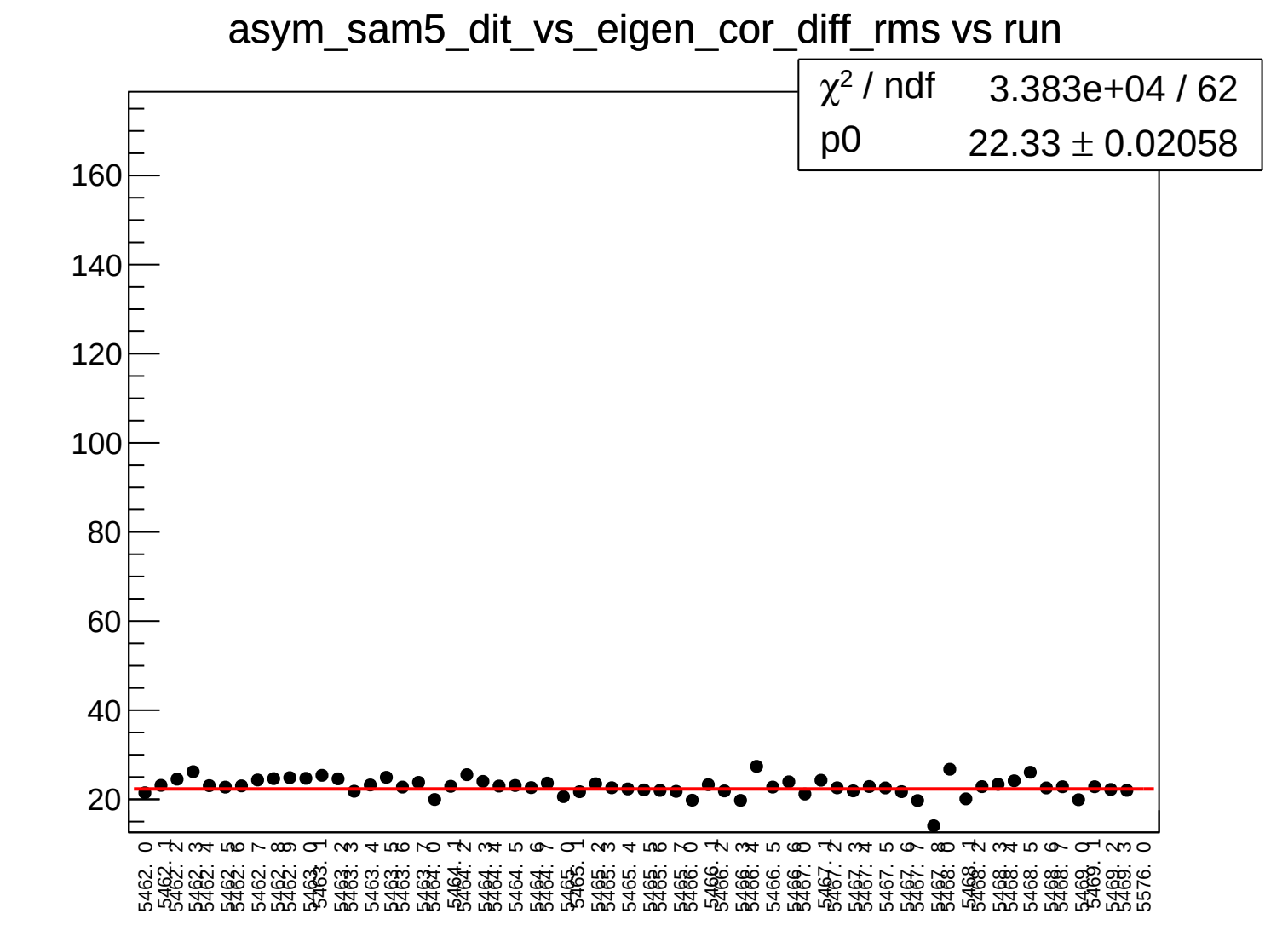

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 58.99 / 62
p0 0.07472 ± 0.0291
pull
Entries 63
Mean 42.66
Std Dev 27.5

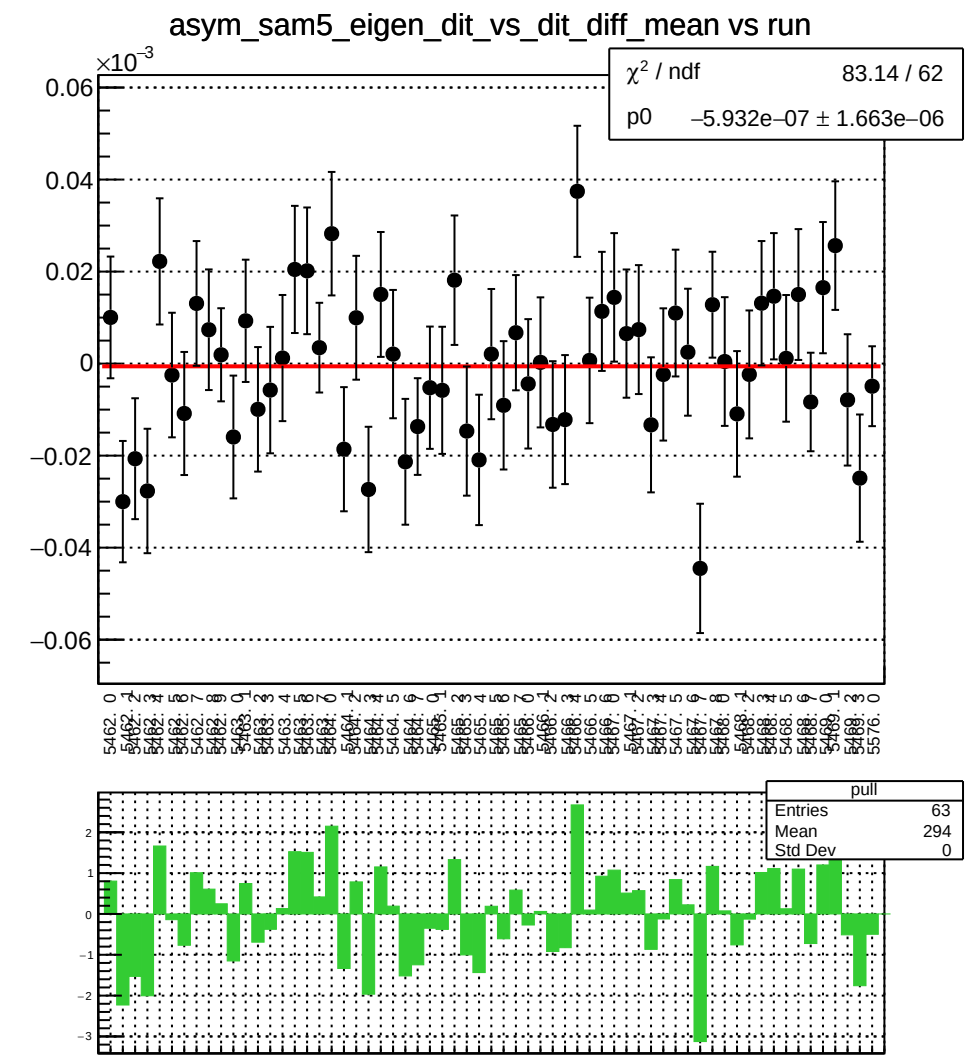

pull1D
Entries 63
Mean −0.01239
Std Dev 0.9676

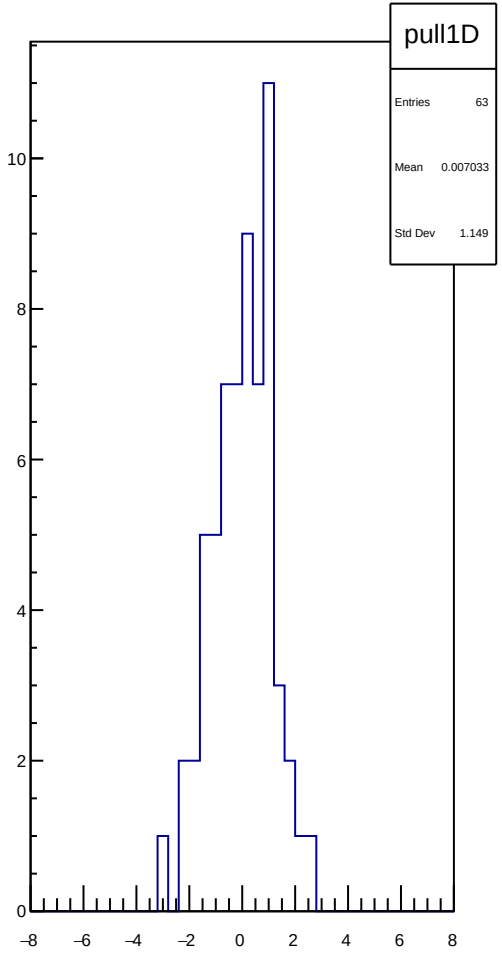

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 3.383e+04 / 62
p0 22.33 ± 0.02058
160
140
120
100
80
60
40
20

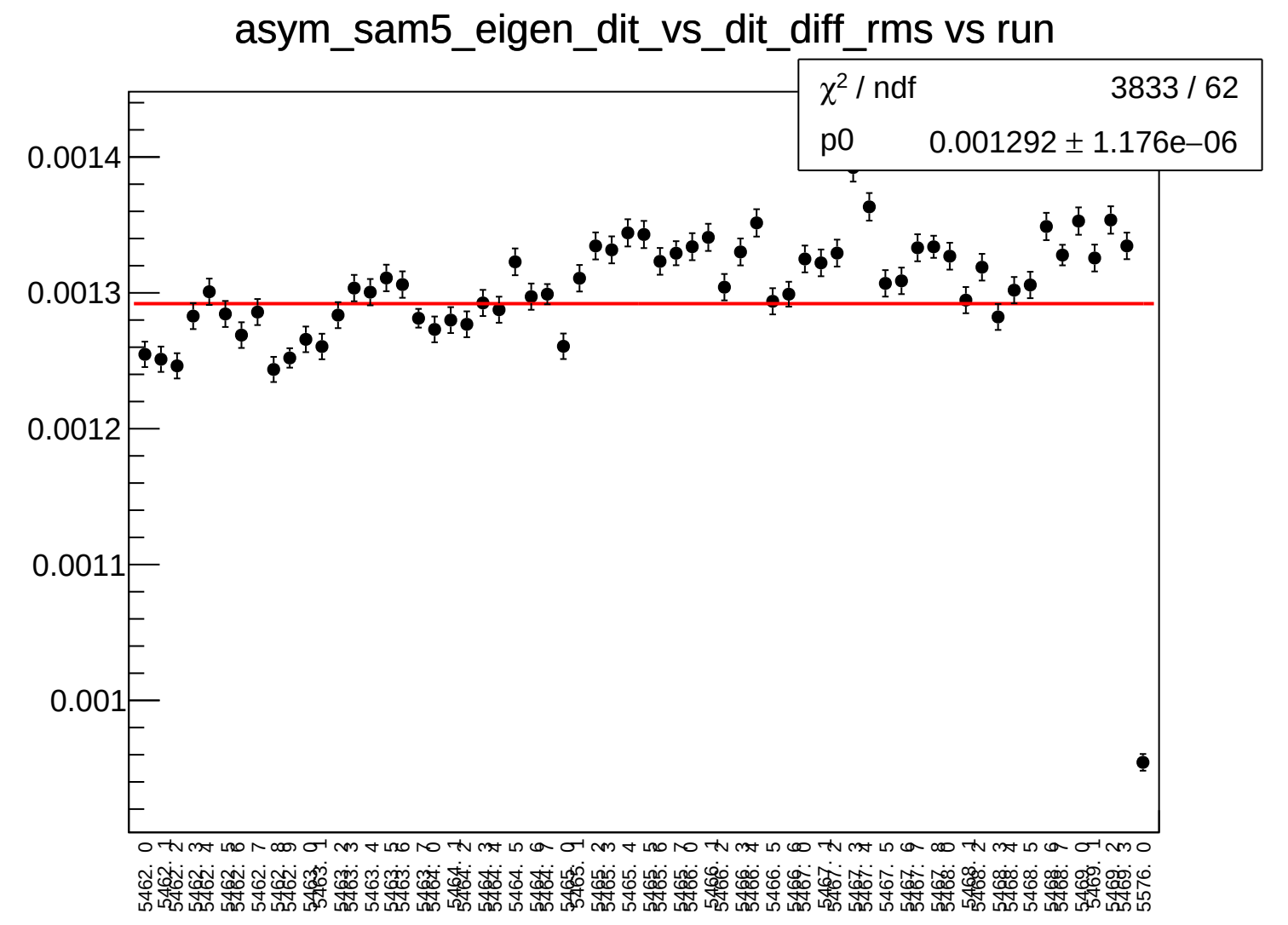

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.99 / 62
p0 0.07472 ± 0.0291
pull
Entries 63
Mean 42.66
Std Dev 27.5

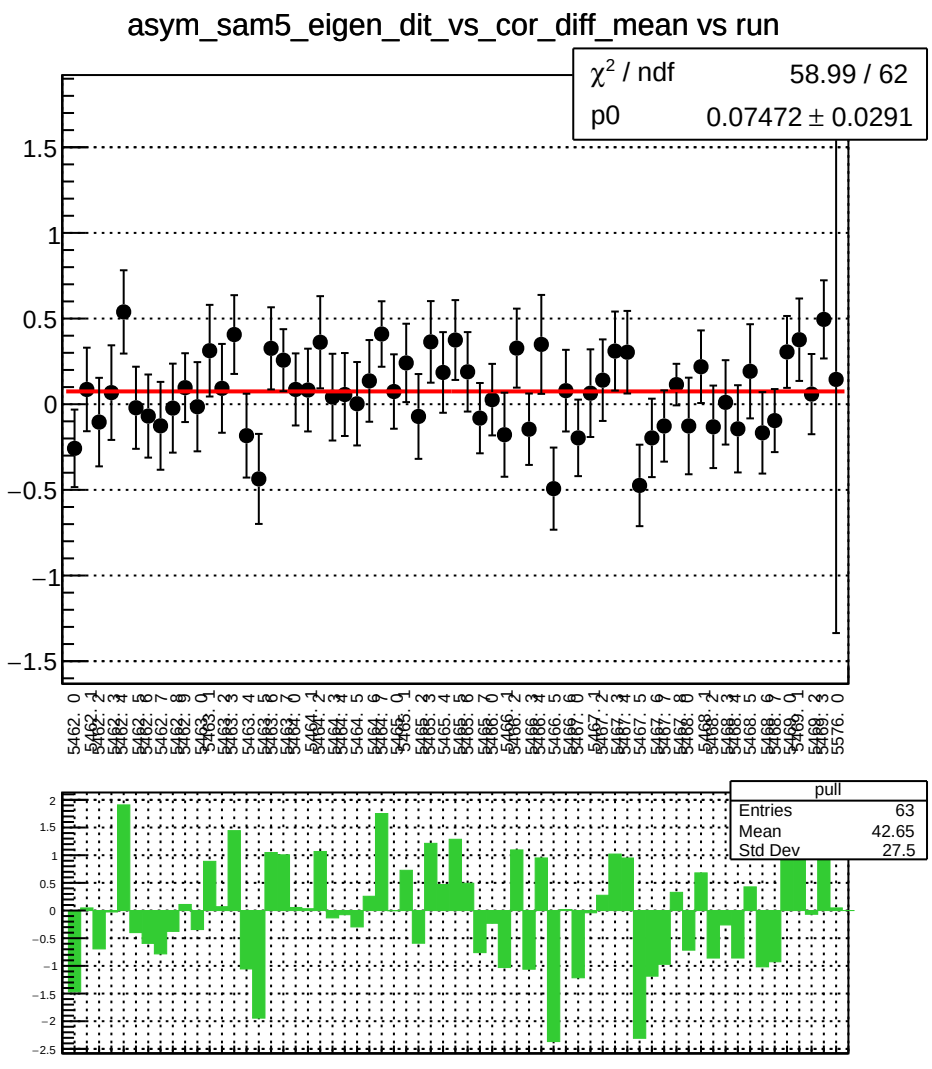

pull1D
Entries 63
Mean −0.01239
Std Dev 0.9676

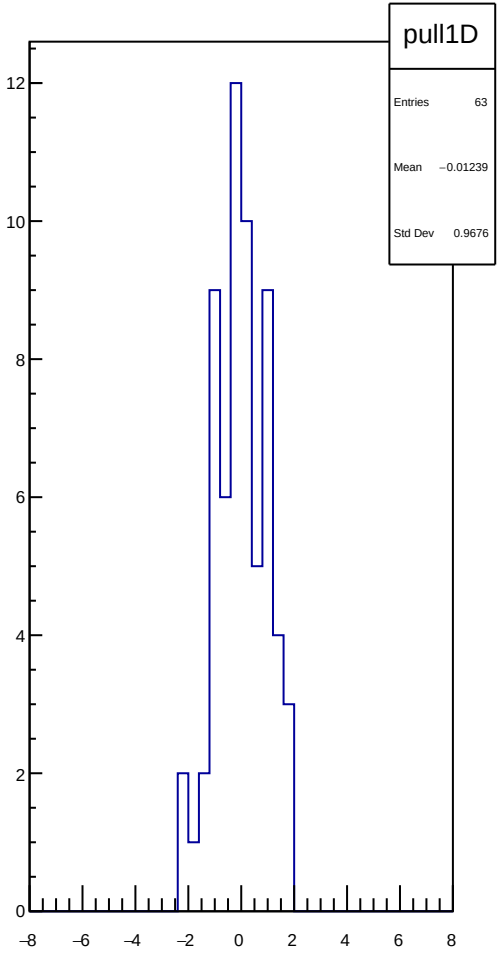

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.383e+04 / 62
p0 22.33 ± 0.02058
160
140
120
100
80
60
40
20

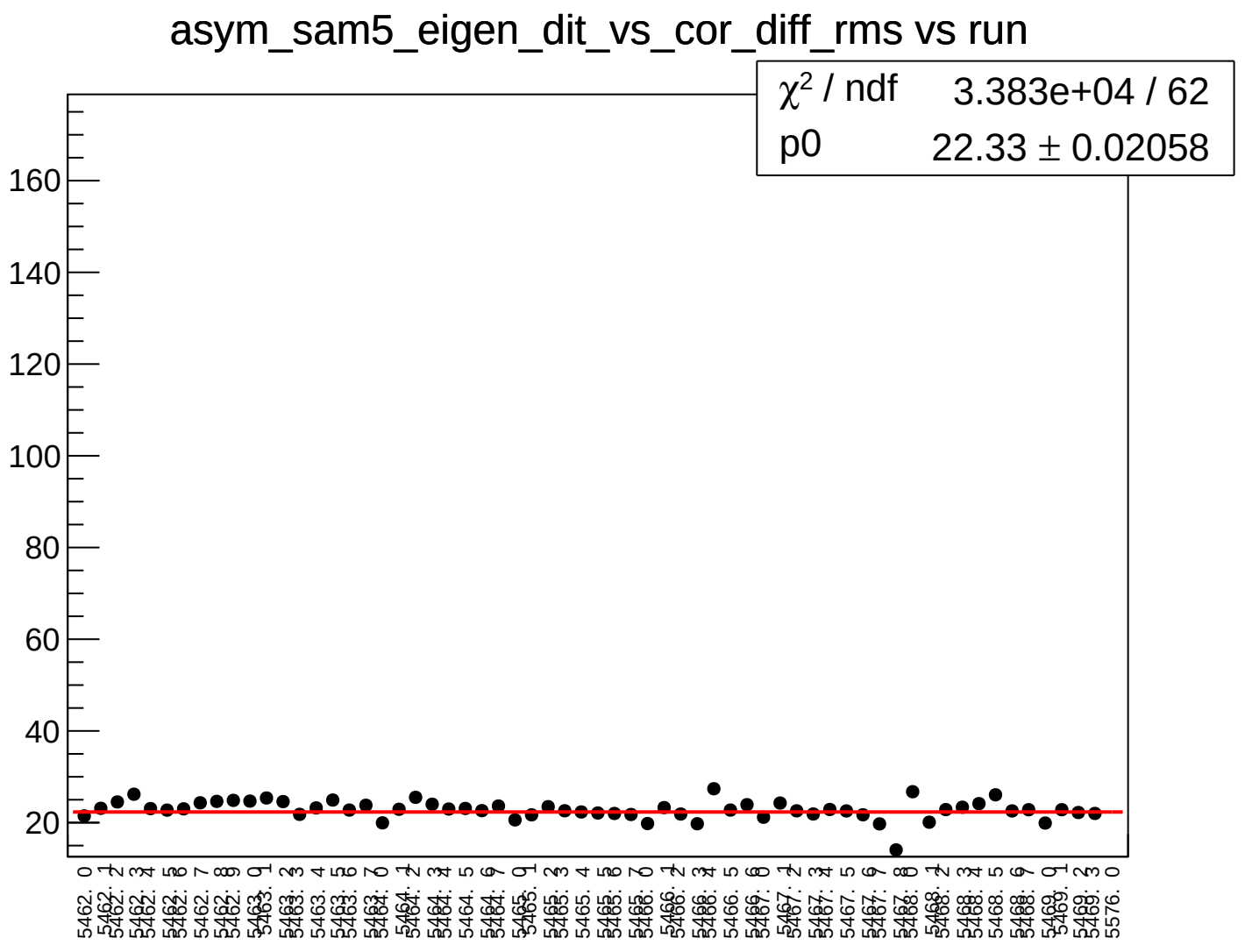

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.14 / 62
p0 −5.932e−07 ± 1.663e−06
pull
Entries 63
Mean 294
Std Dev 0

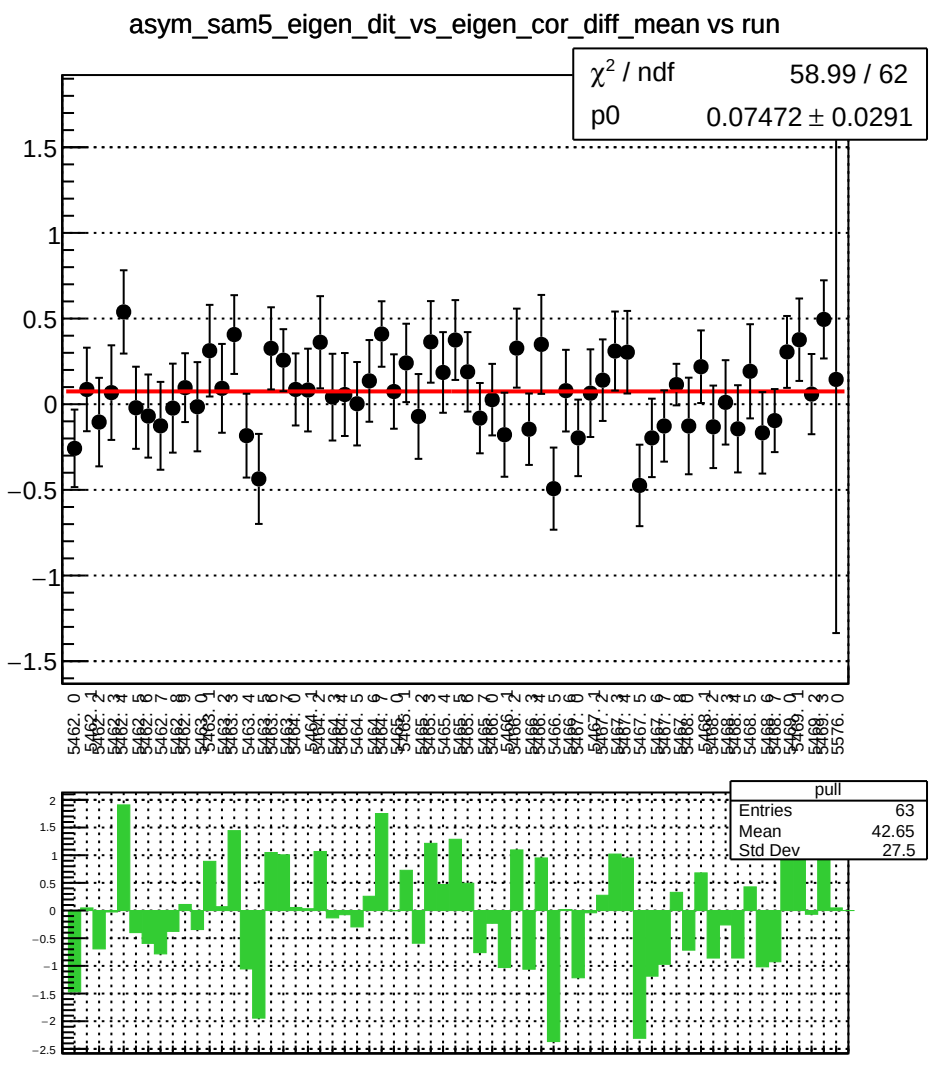

pull1D
Entries 63
Mean 0.007033
Std Dev 1.149

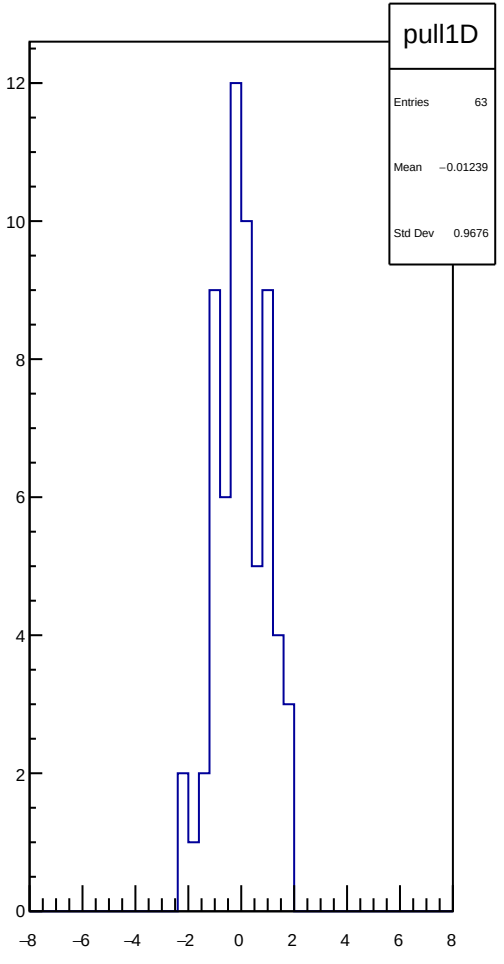

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3833 / 62
p0 0.001292 ± 1.176e−06
0.0014
0.0013
0.0012
0.0011
0.001

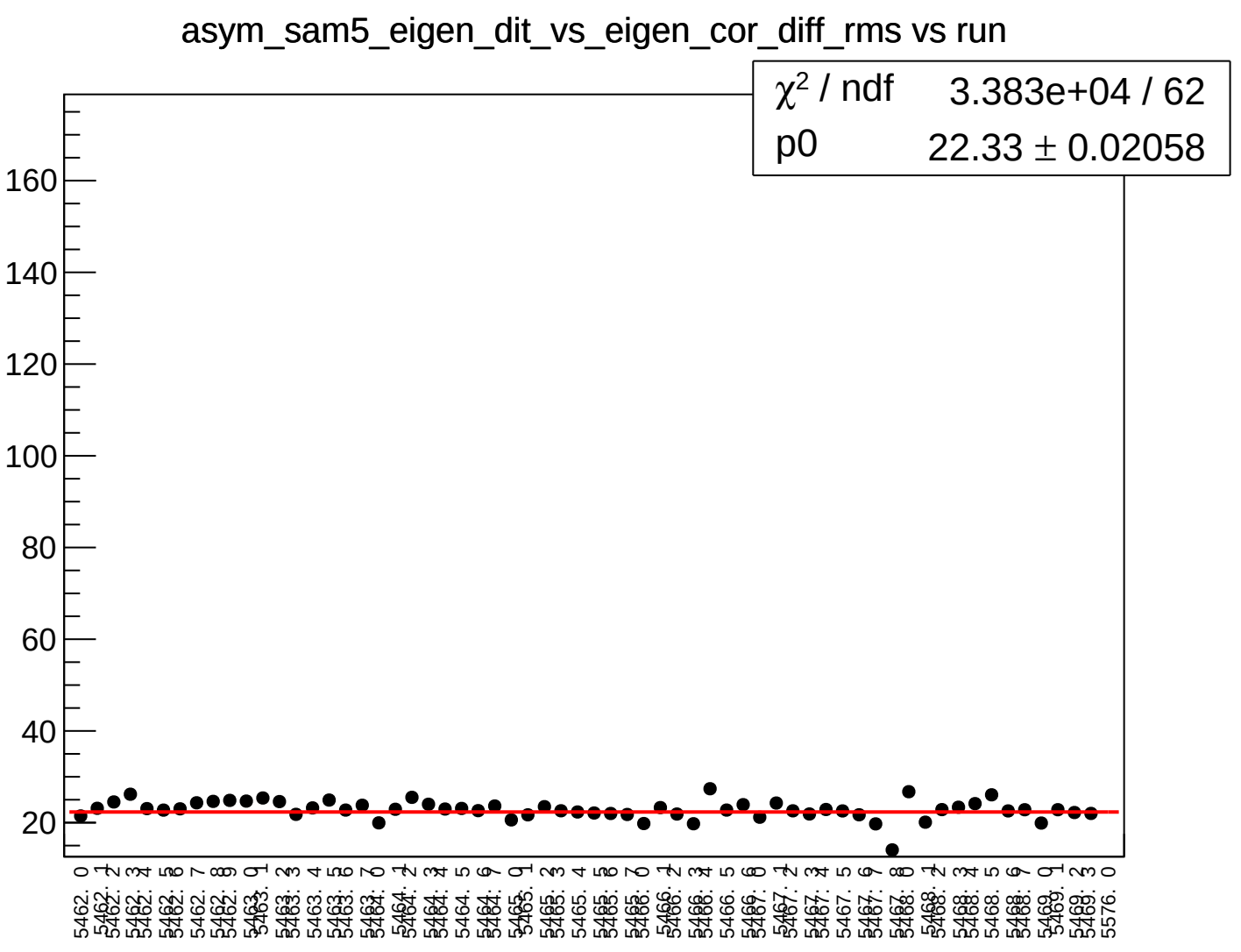

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.99 / 62
p0 0.07472 ± 0.0291
pull
Entries 63
Mean 42.65
Std Dev 27.5

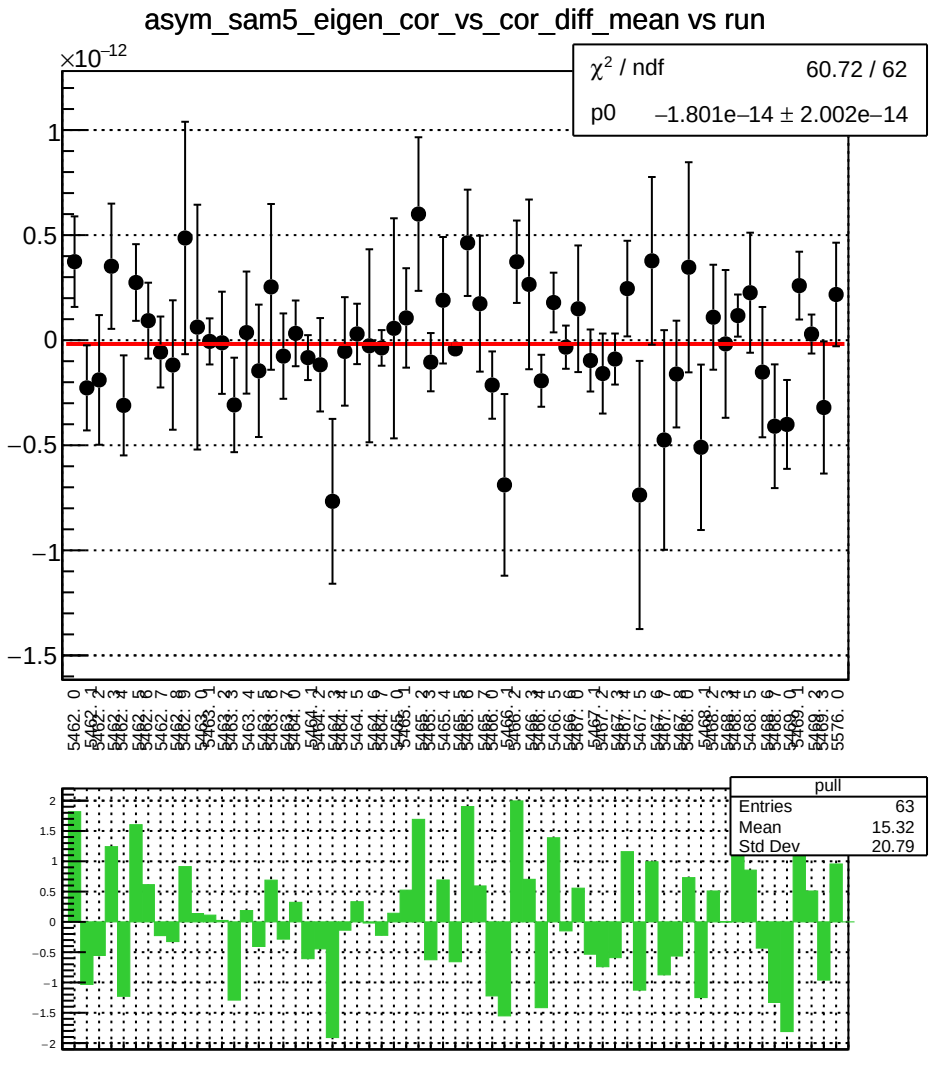

pull1D
Entries 63
Mean −0.01239
Std Dev 0.9676

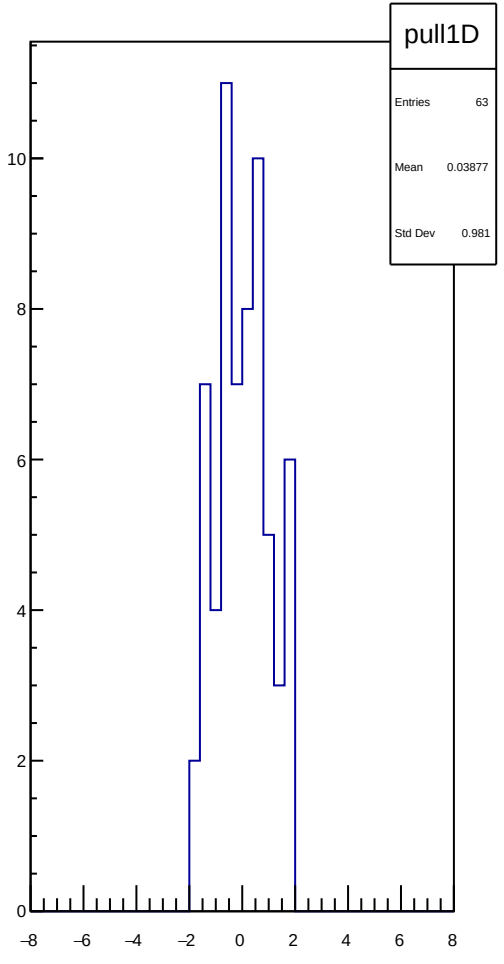

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.383e+04 / 62
p0 22.33 ± 0.02058
160
140
120
100
80
60
40
20

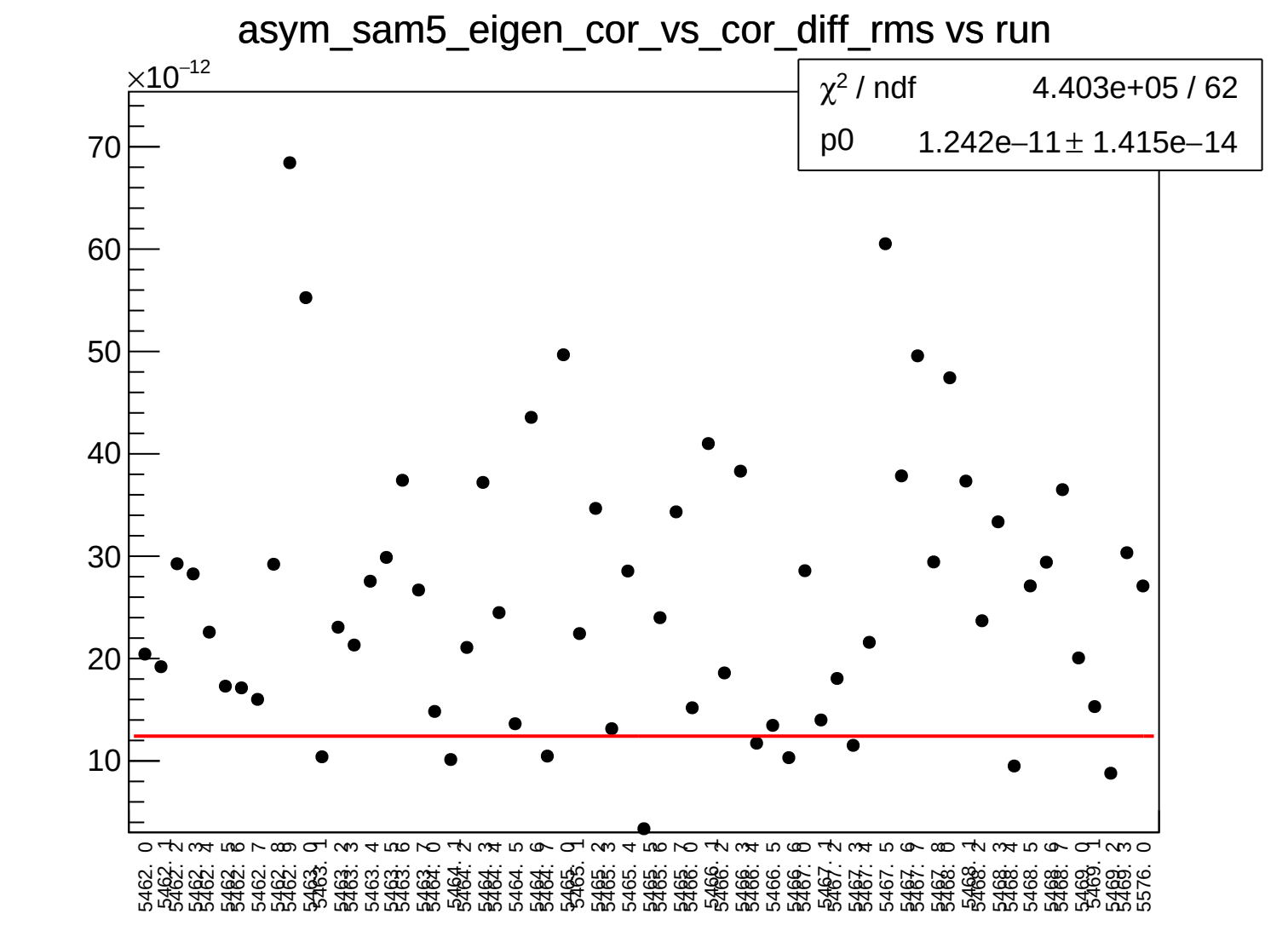

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.99 / 62
p0 0.07472 ± 0.0291
pull
Entries 63
Mean 42.65
Std Dev 27.5

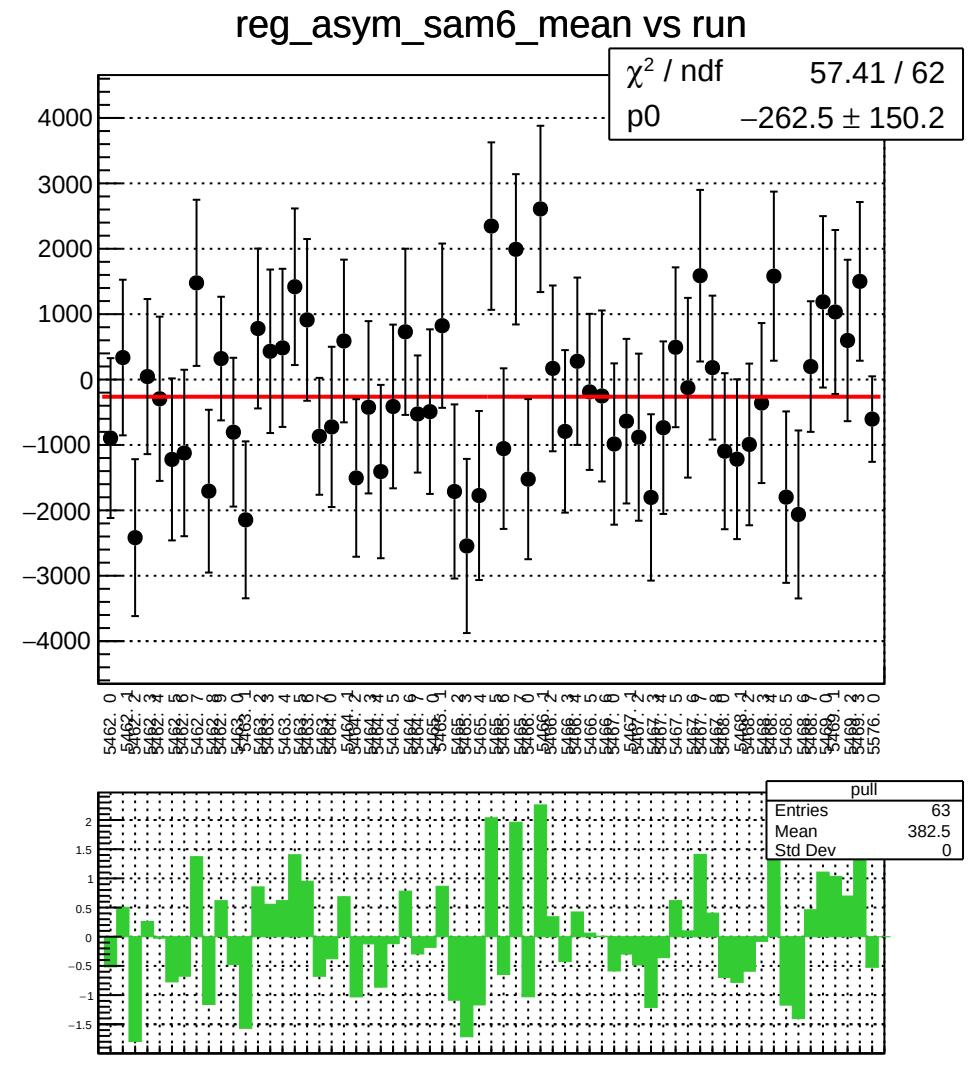

pull1D
Entries 63
Mean −0.01239
Std Dev 0.9676

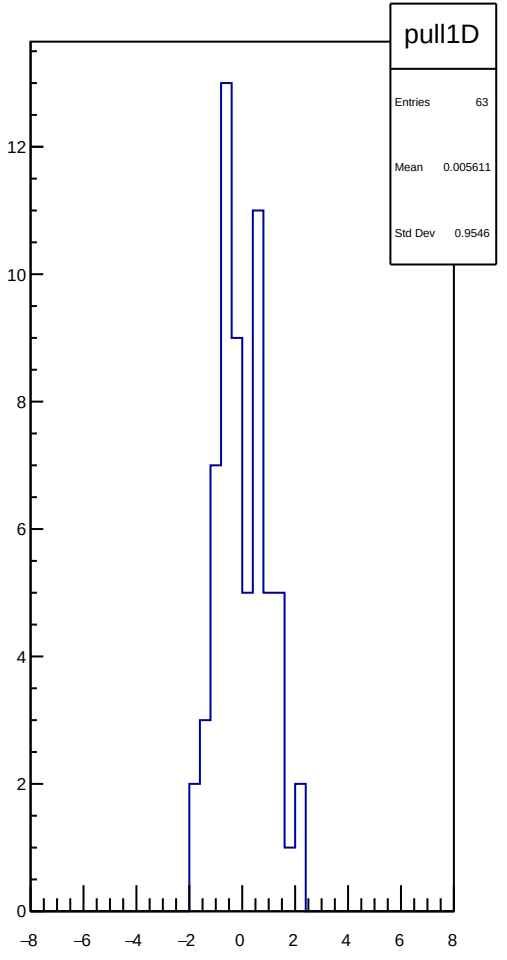

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.383e+04 / 62
p0 22.33 ± 0.02058
160
140
120
100
80
60
40
20

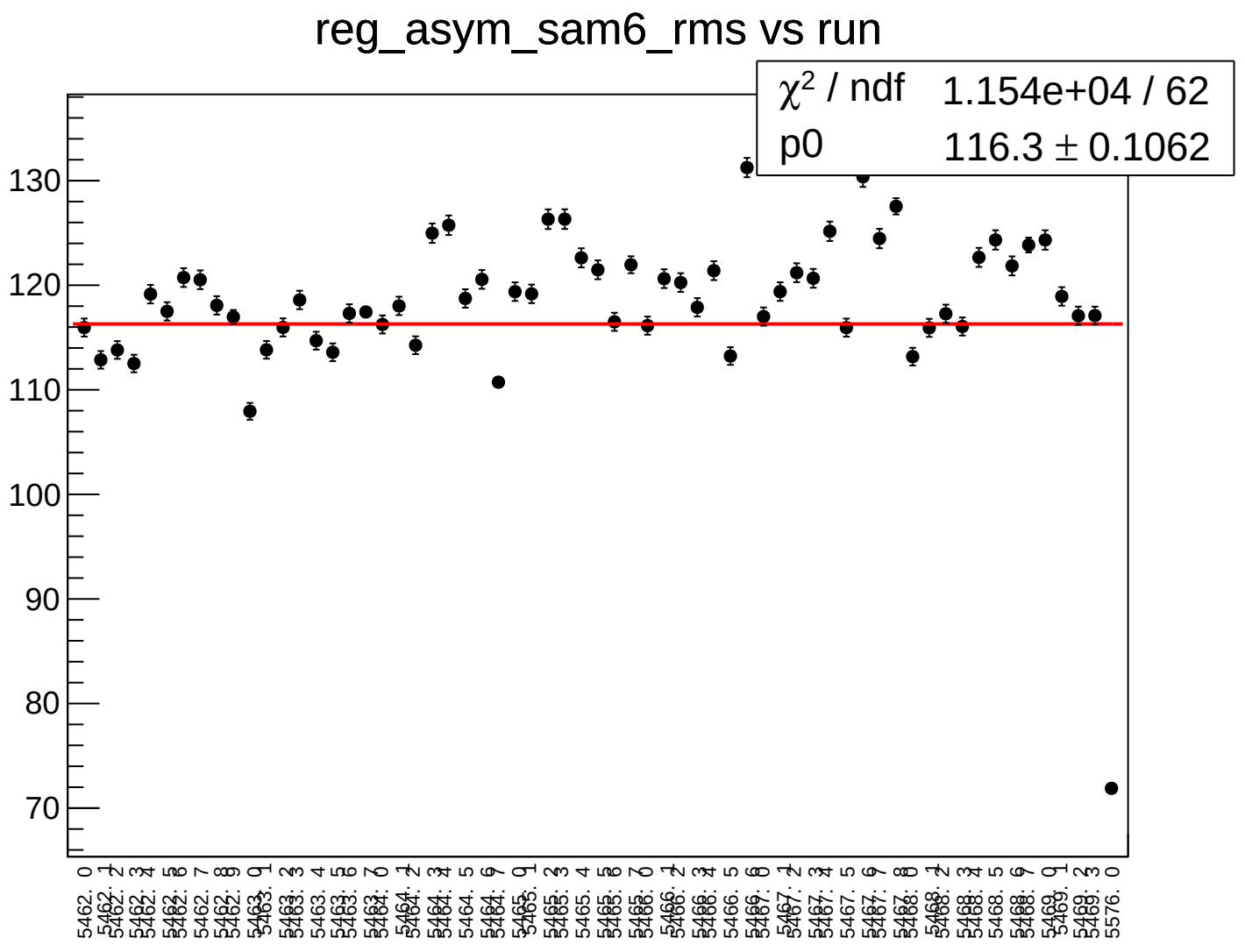

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.72 / 62
p0 −1.801e−14 ± 2.002e−14
pull
Entries 63
Mean 15.32
Std Dev 20.79

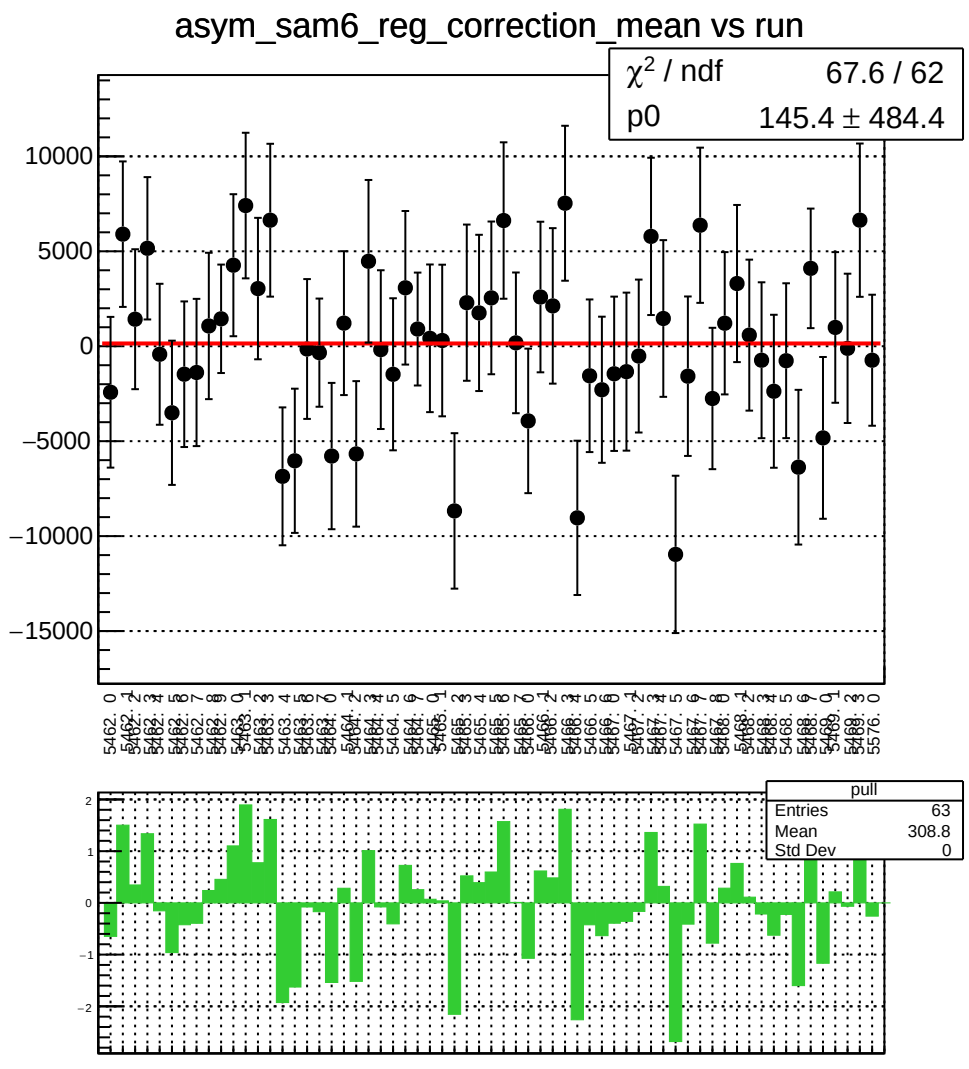

pull1D
Entries 63
Mean 0.03877
Std Dev 0.981

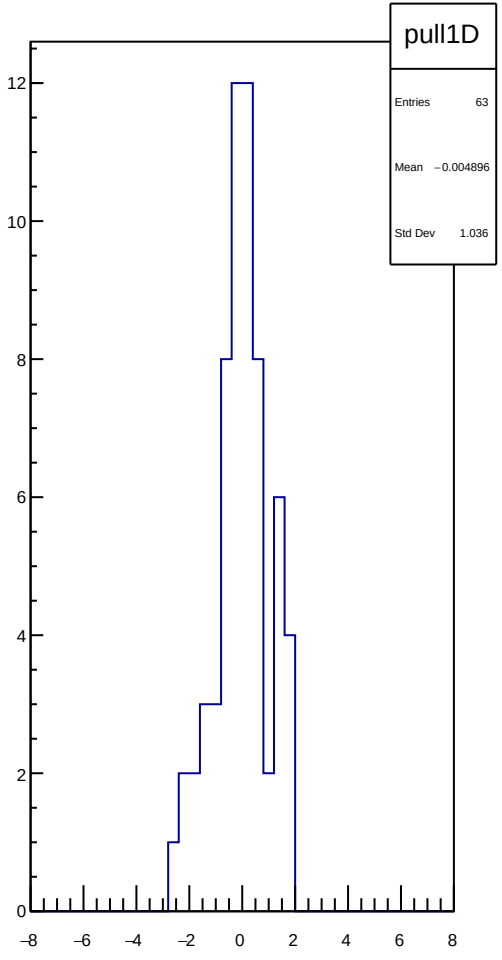

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.403e+05 / 62
p0 1.242e−11 ± 1.415e−14
70
60
50
40
30
20
10

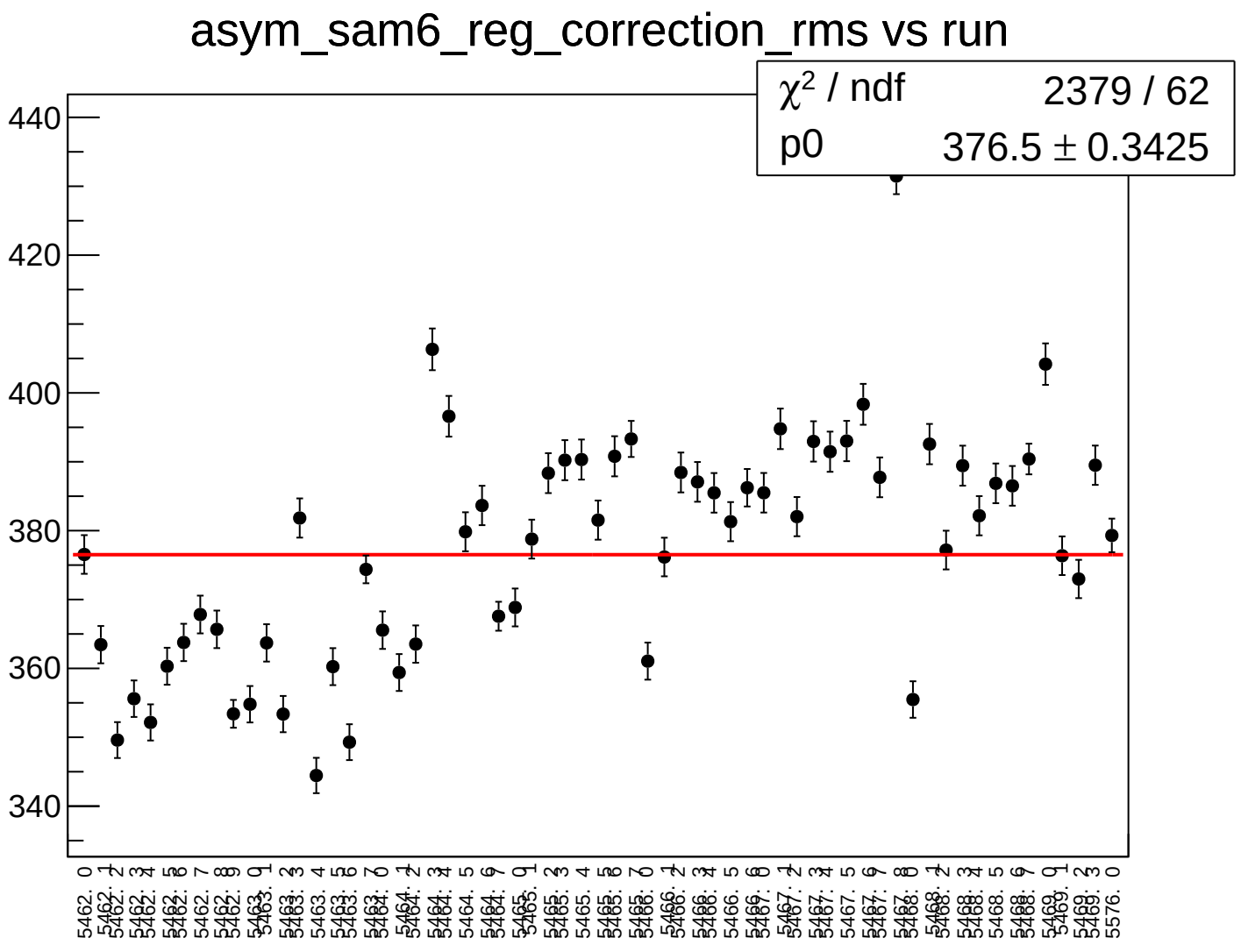

reg_asym_sam6_mean vs run
χ² / ndf 57.41 / 62
p0 −262.5 ± 150.2
pull
Entries 63
Mean 382.5
Std Dev 0

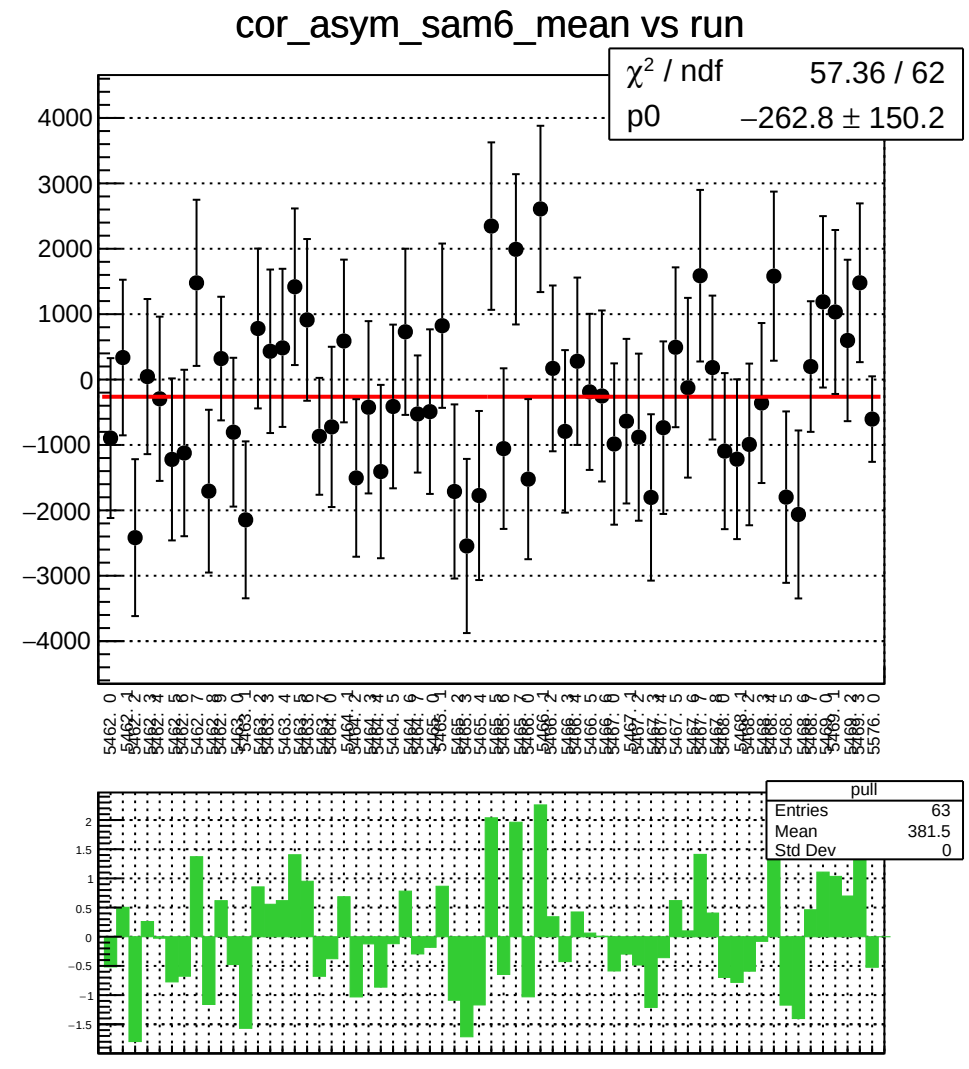

pull1D
Entries 63
Mean 0.005611
Std Dev 0.9546

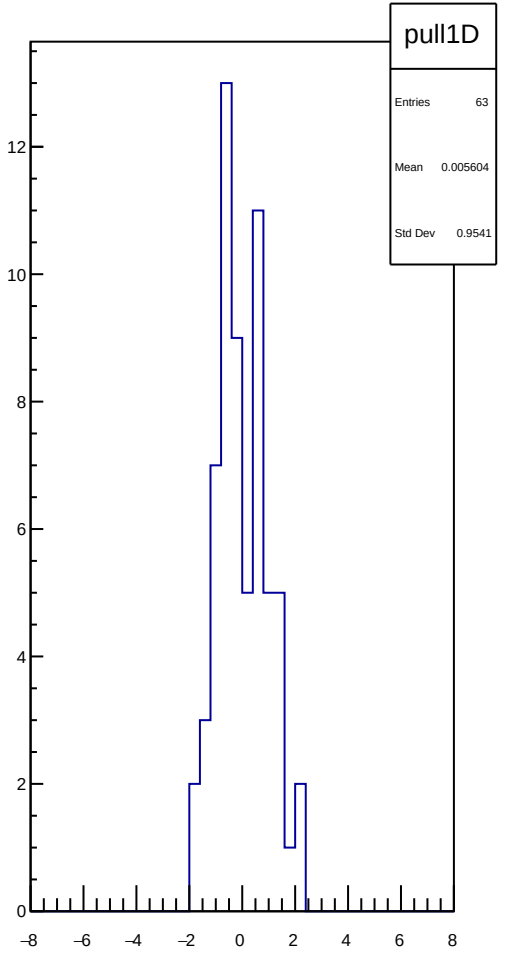

reg_asym_sam6_rms vs run
χ^2 / ndf 1.154e+04 / 62
p0 116.3 ± 0.1062
130
120
110
100
90
80
70

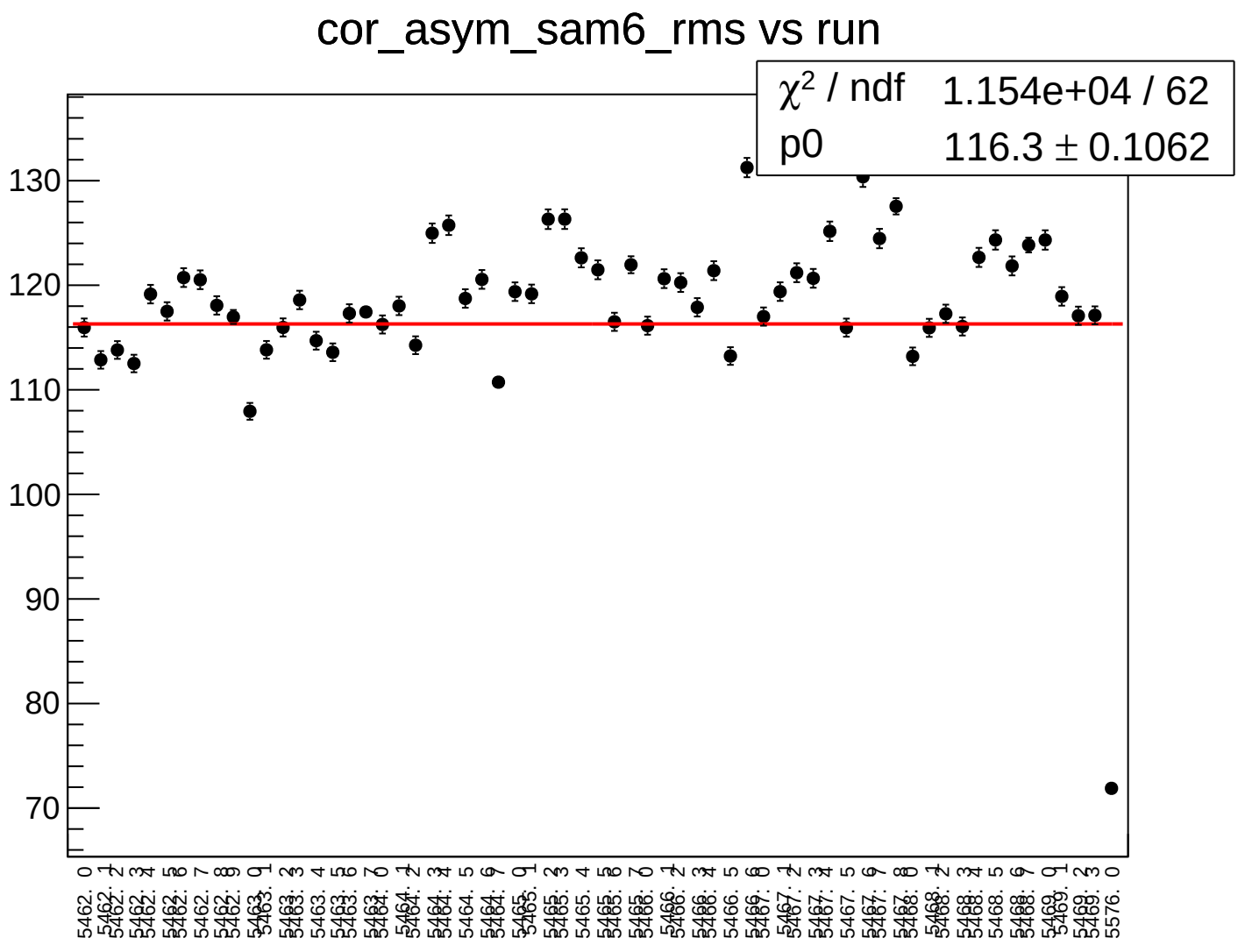

asym_sam6_reg_correction_mean vs run
χ² / ndf 67.6 / 62
p0 145.4 ± 484.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 308.8
Std Dev 0
2
1
0
−1
−2

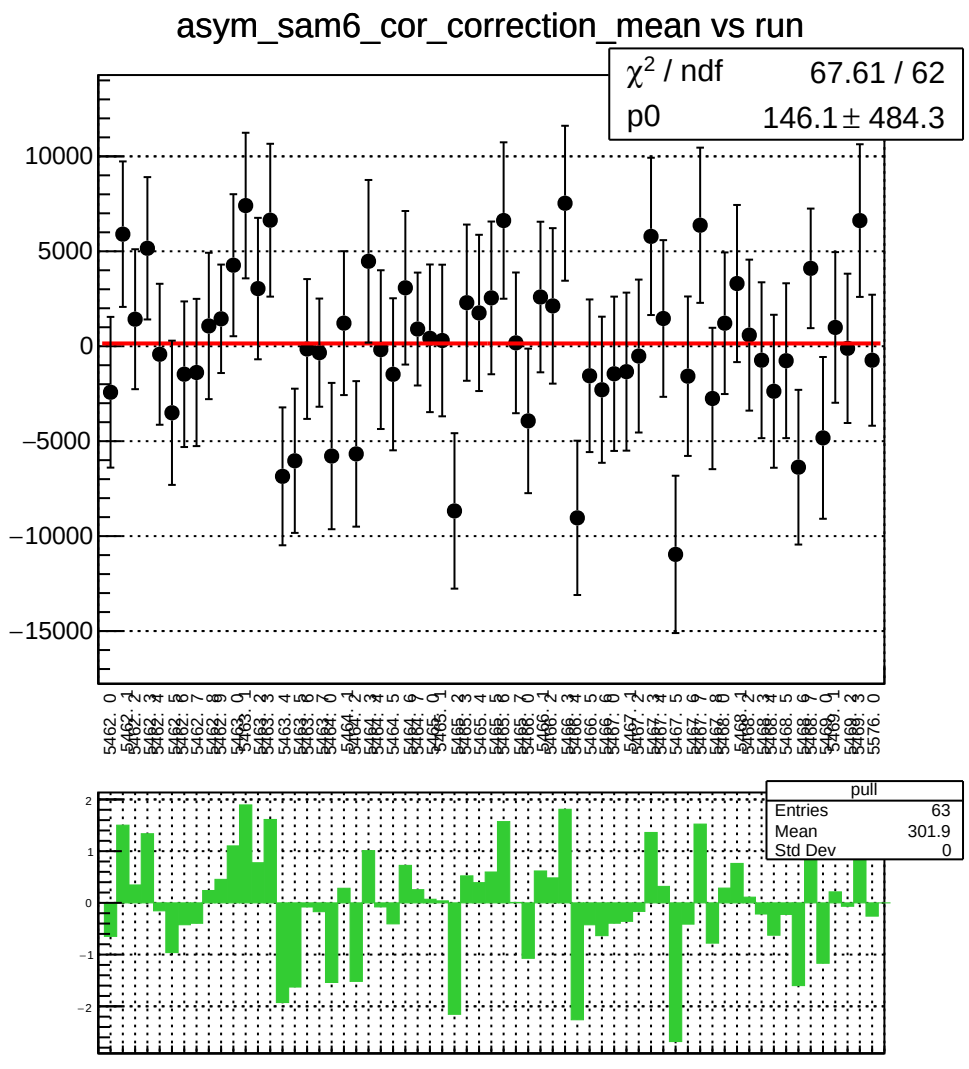

pull1D
Entries 63
Mean −0.004896
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

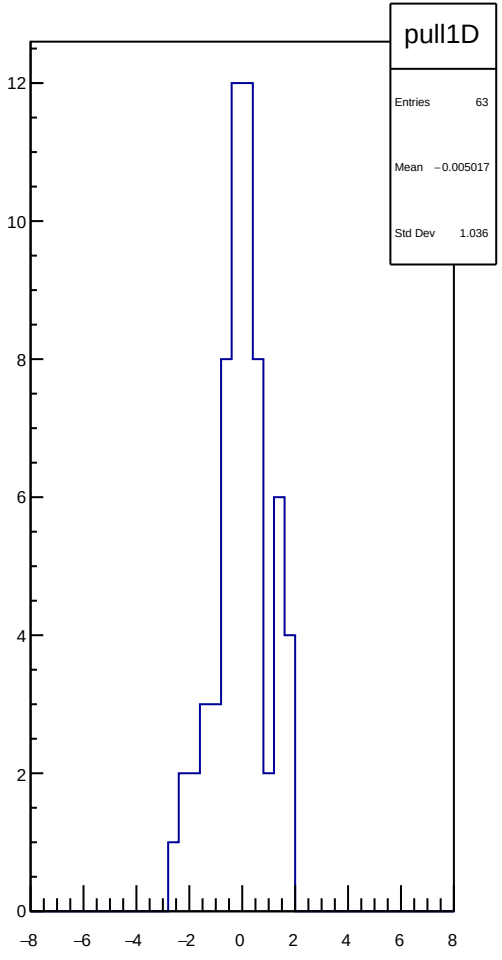

asym_sam6_reg_correction_rms vs run
χ² / ndf 2379 / 62
p0 376.5 ± 0.3425
440
420
400
380
360
340

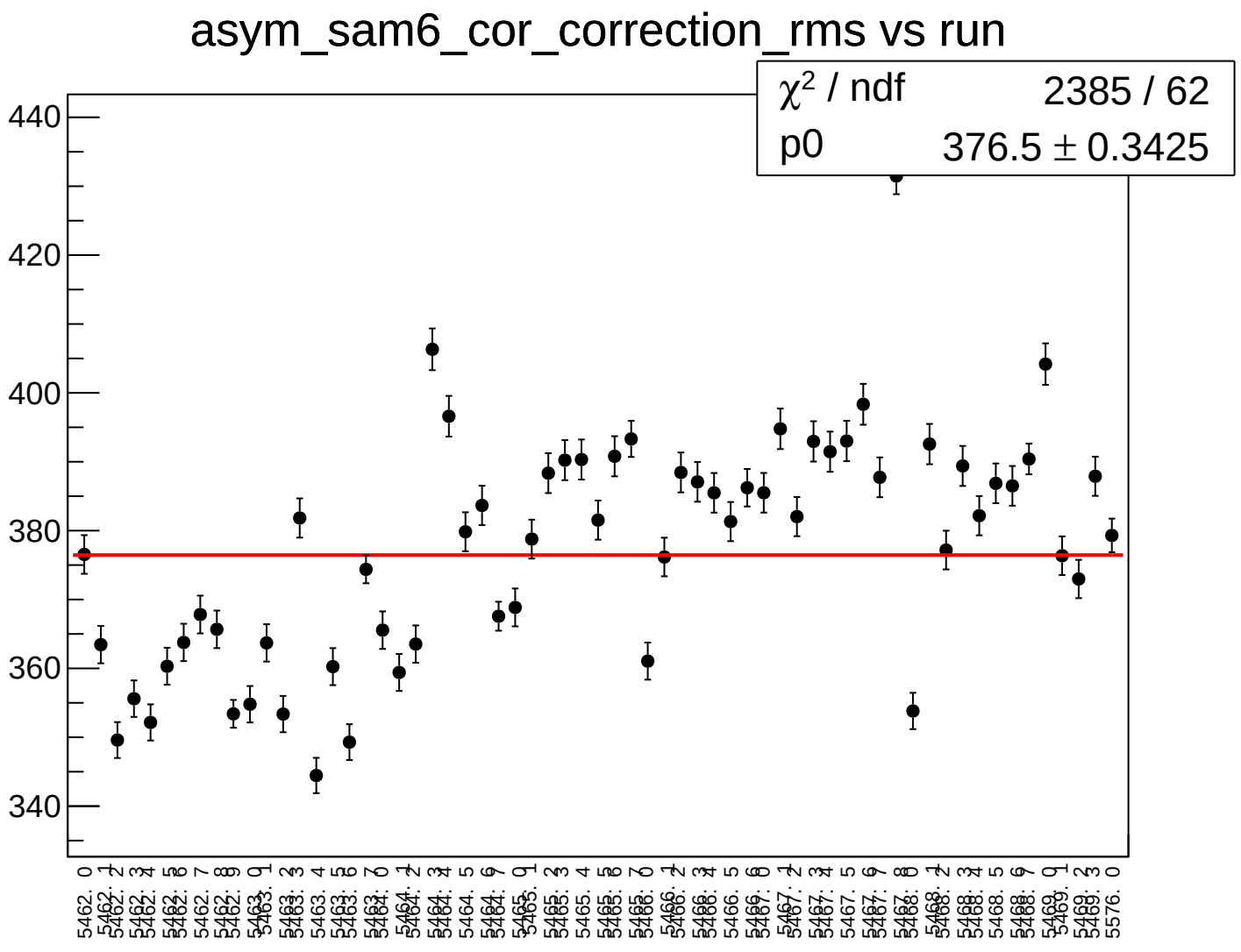

cor_asym_sam6_mean vs run
χ² / ndf 57.36 / 62
p0 −262.8 ± 150.2
pull
Entries 63
Mean 381.5
Std Dev 0

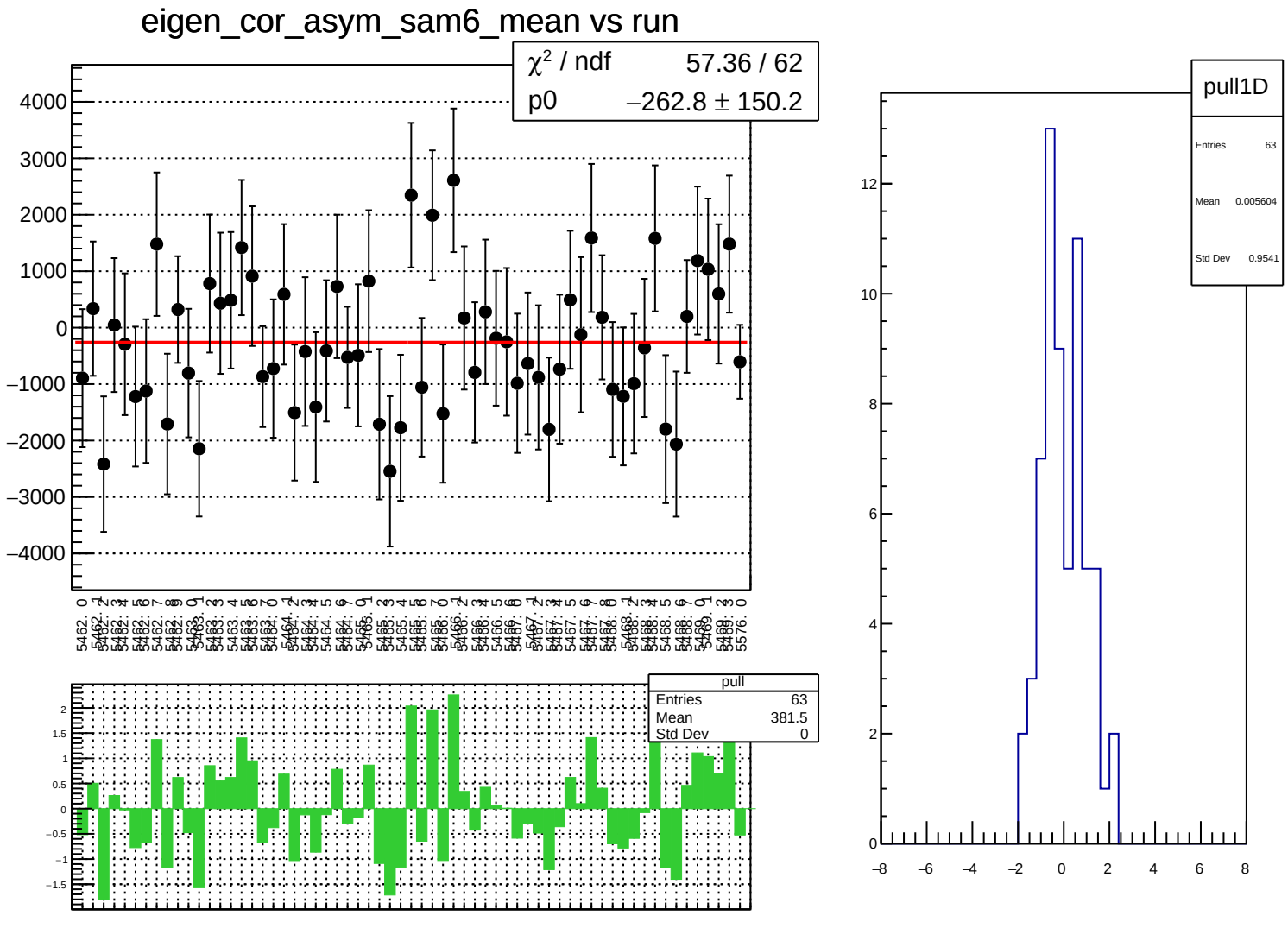

pull1D
Entries 63
Mean 0.005604
Std Dev 0.9541

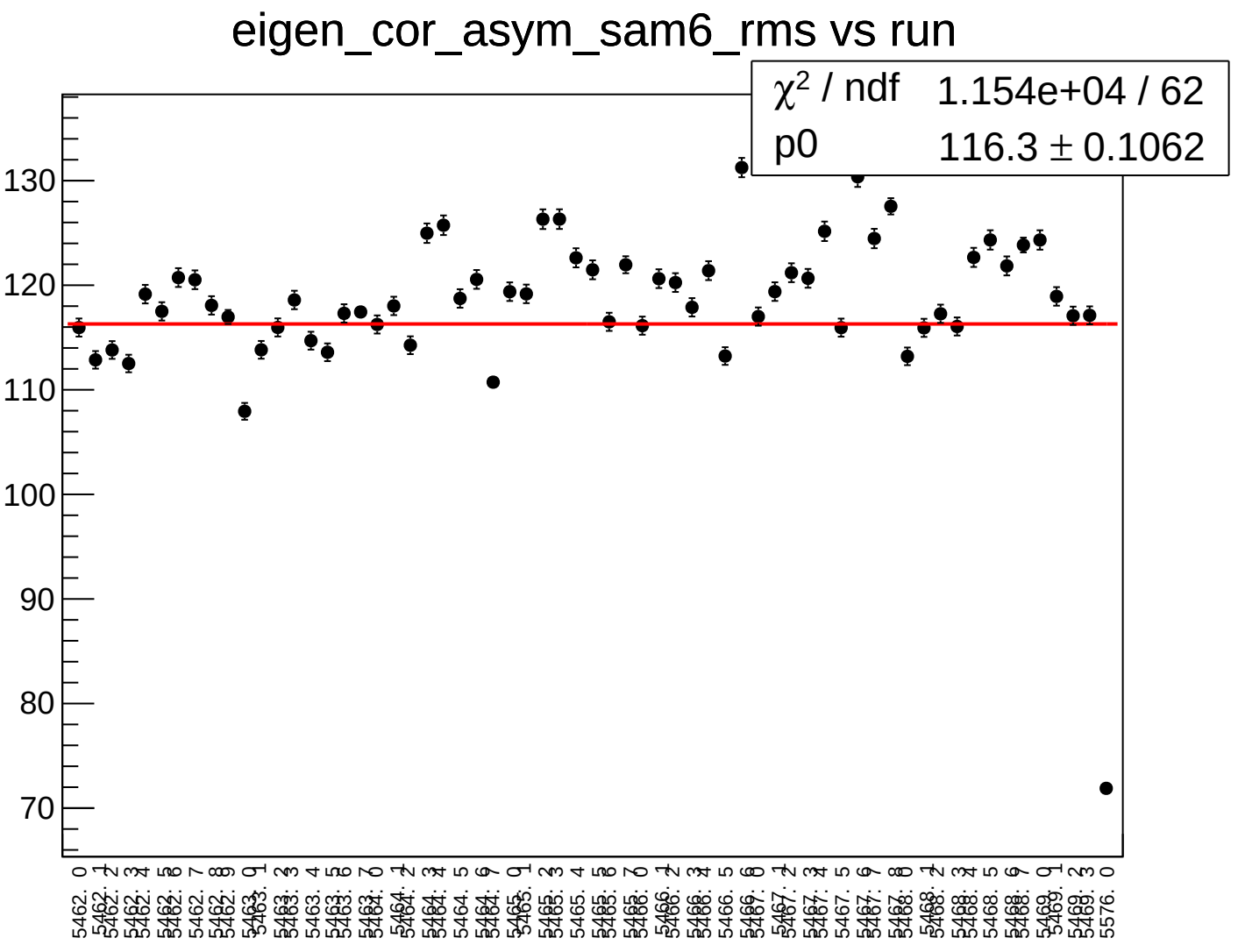

cor_asym_sam6_rms vs run
χ² / ndf 1.154e+04 / 62
p0 116.3 ± 0.1062
130
120
110
100
90
80
70

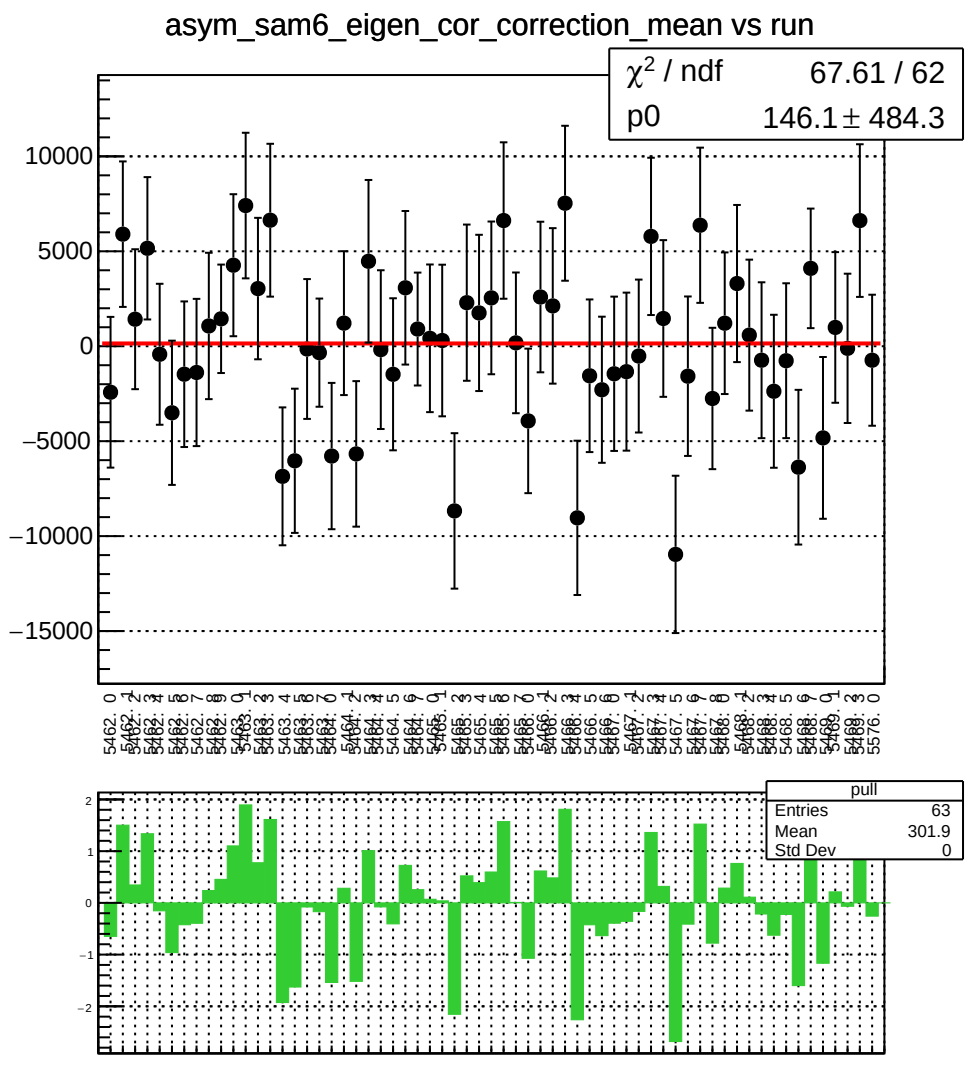

asym_sam6_cor_correction_mean vs run
χ² / ndf 67.61 / 62
p0 146.1 ± 484.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 301.9
Std Dev 0
2
1
0
−1
−2

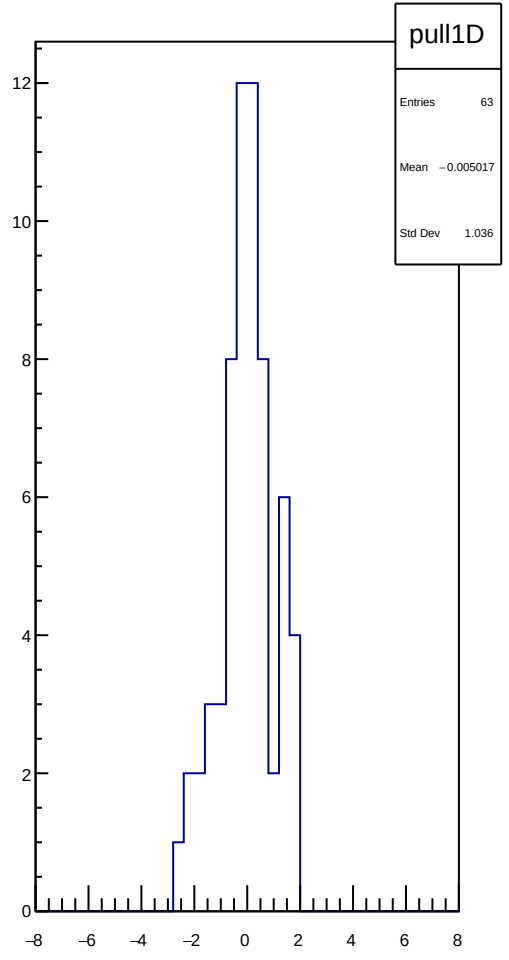

pull1D
Entries 63
Mean −0.005017
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

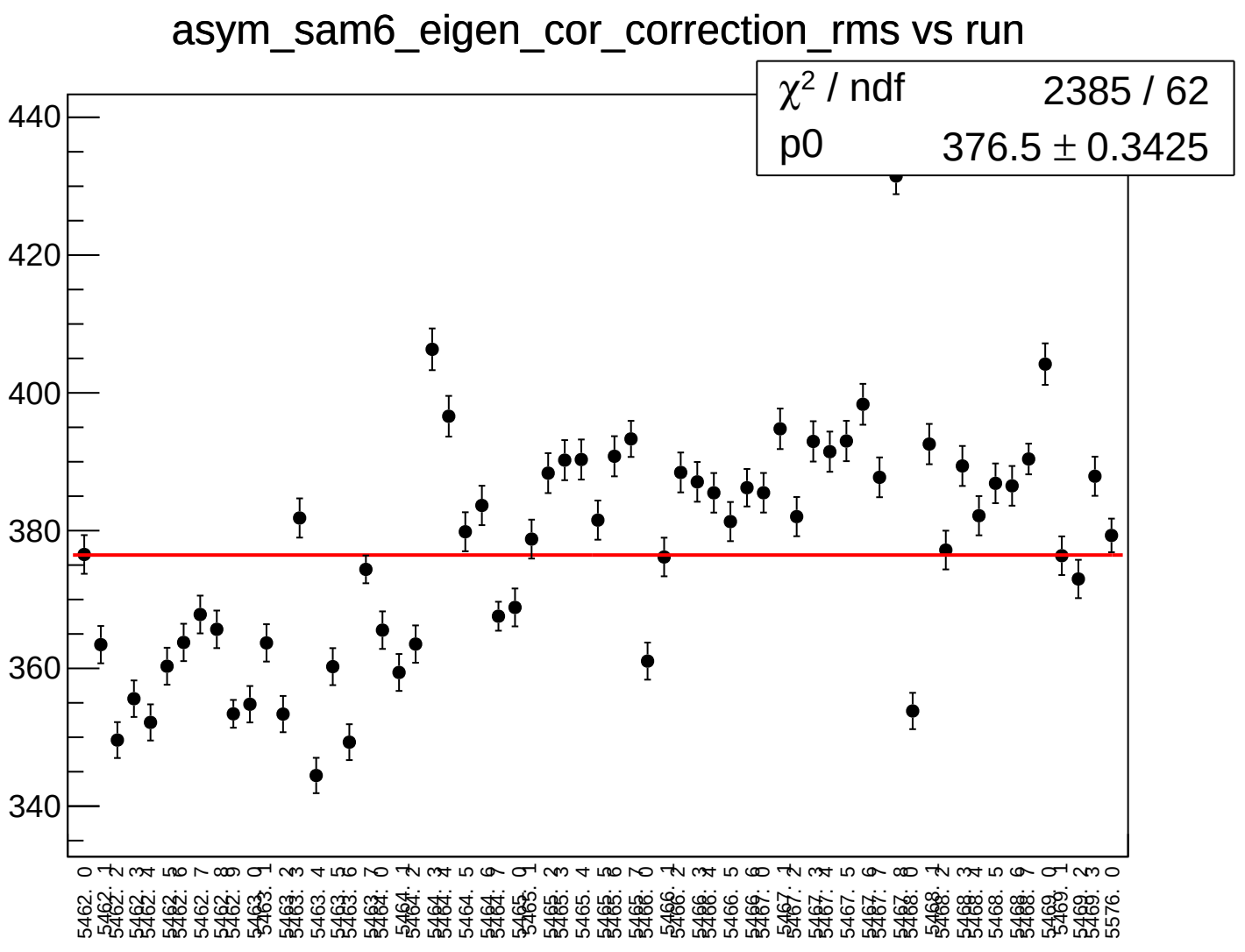

asym_sam6_cor_correction_rms vs run
χ² / ndf 2385 / 62
p0 376.5 ± 0.3425
440
420
400
380
360
340

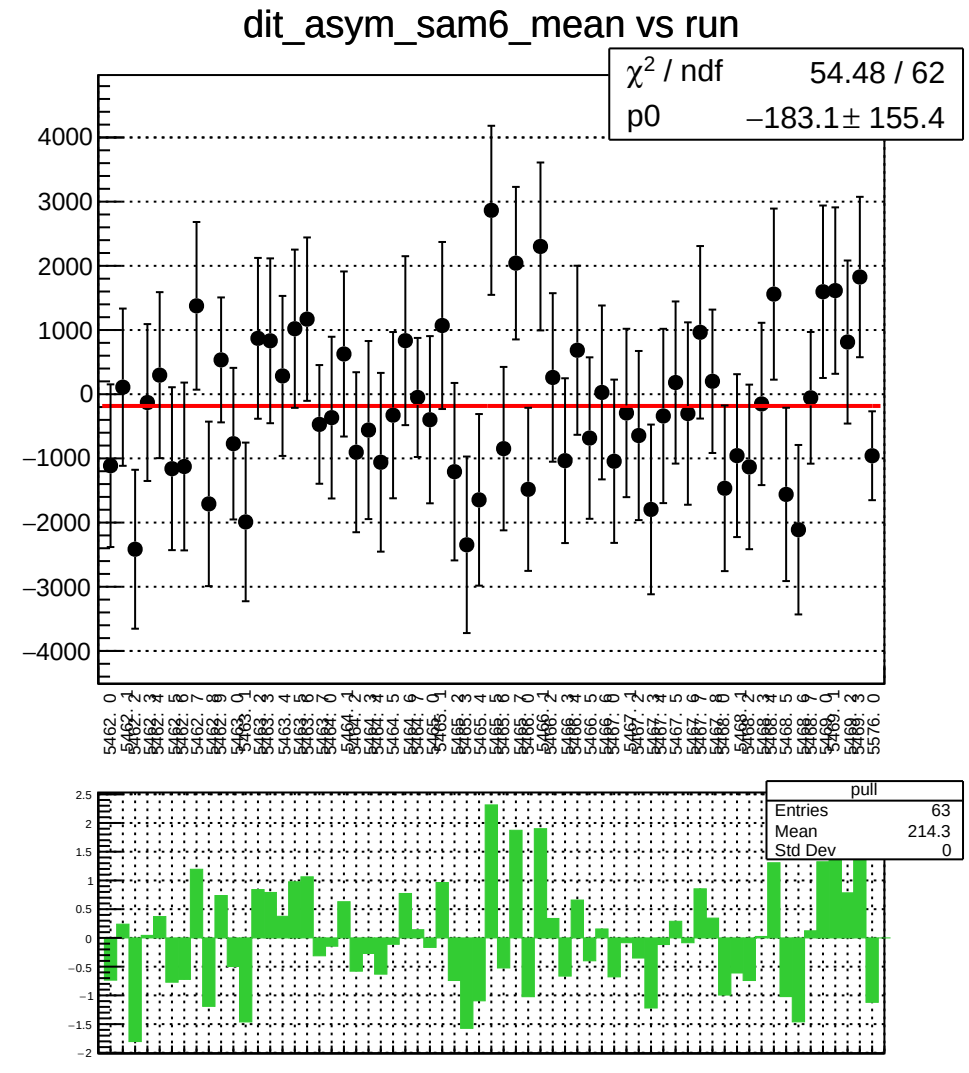

eigen_cor_asym_sam6_mean vs run
χ² / ndf 57.36 / 62
p0 −262.8 ± 150.2
pull
Entries 63
Mean 381.5
Std Dev 0
pull1D
Entries 63
Mean 0.005604
Std Dev 0.9541

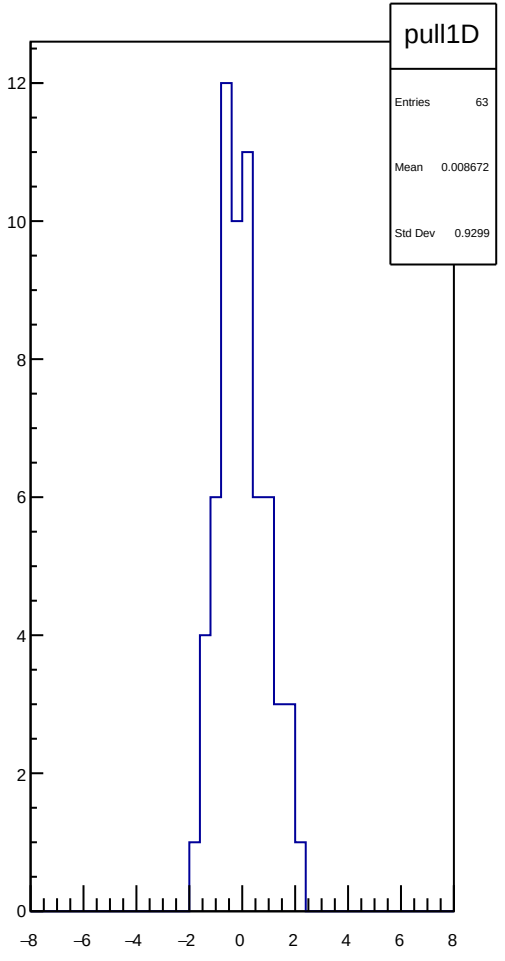

eigen_cor_asym_sam6_rms vs run
χ² / ndf 1.154e+04 / 62
p0 116.3 ± 0.1062
130
120
110
100
90
80
70

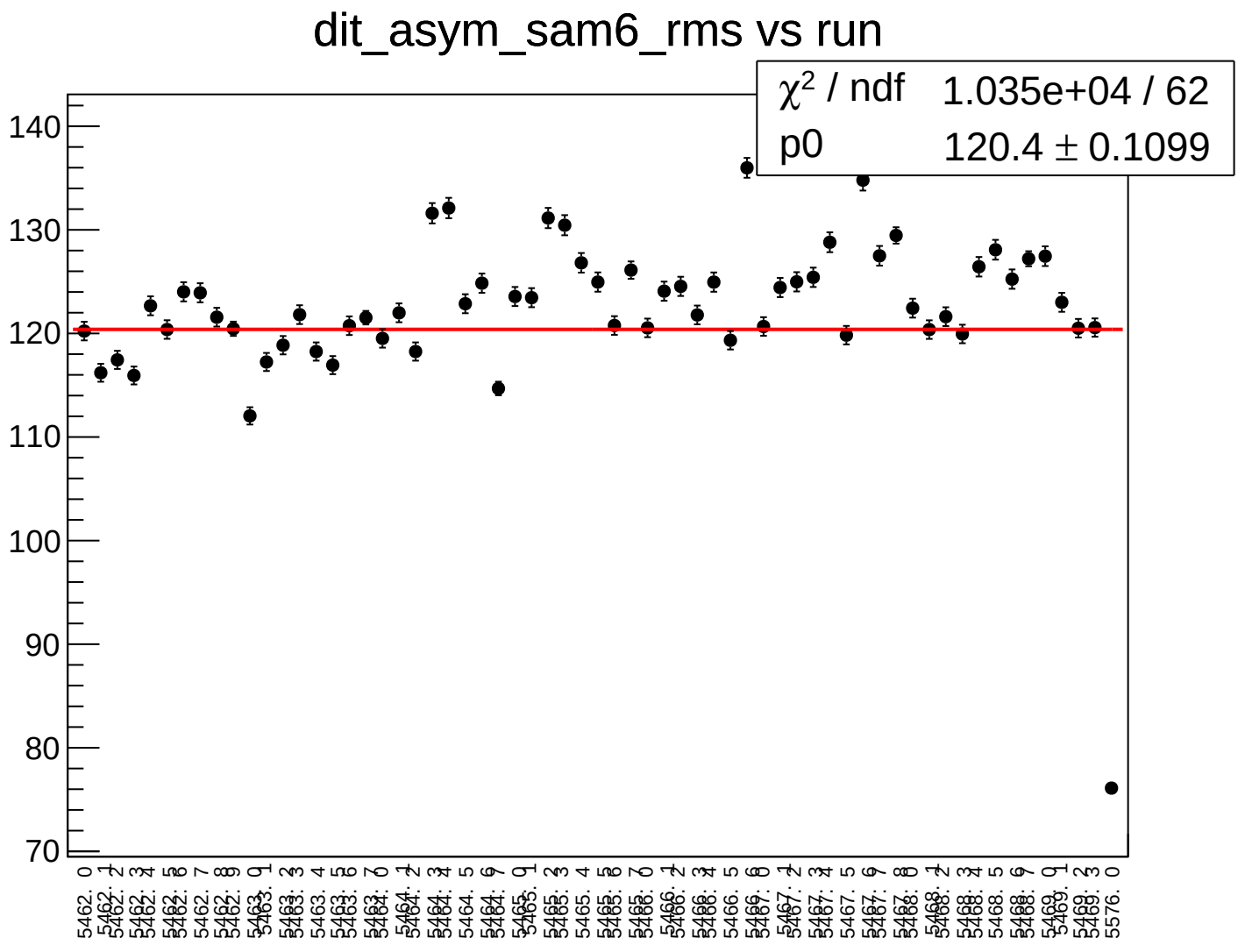

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 67.61 / 62
p0 146.1 ± 484.3
pull
Entries 63
Mean 301.9
Std Dev 0

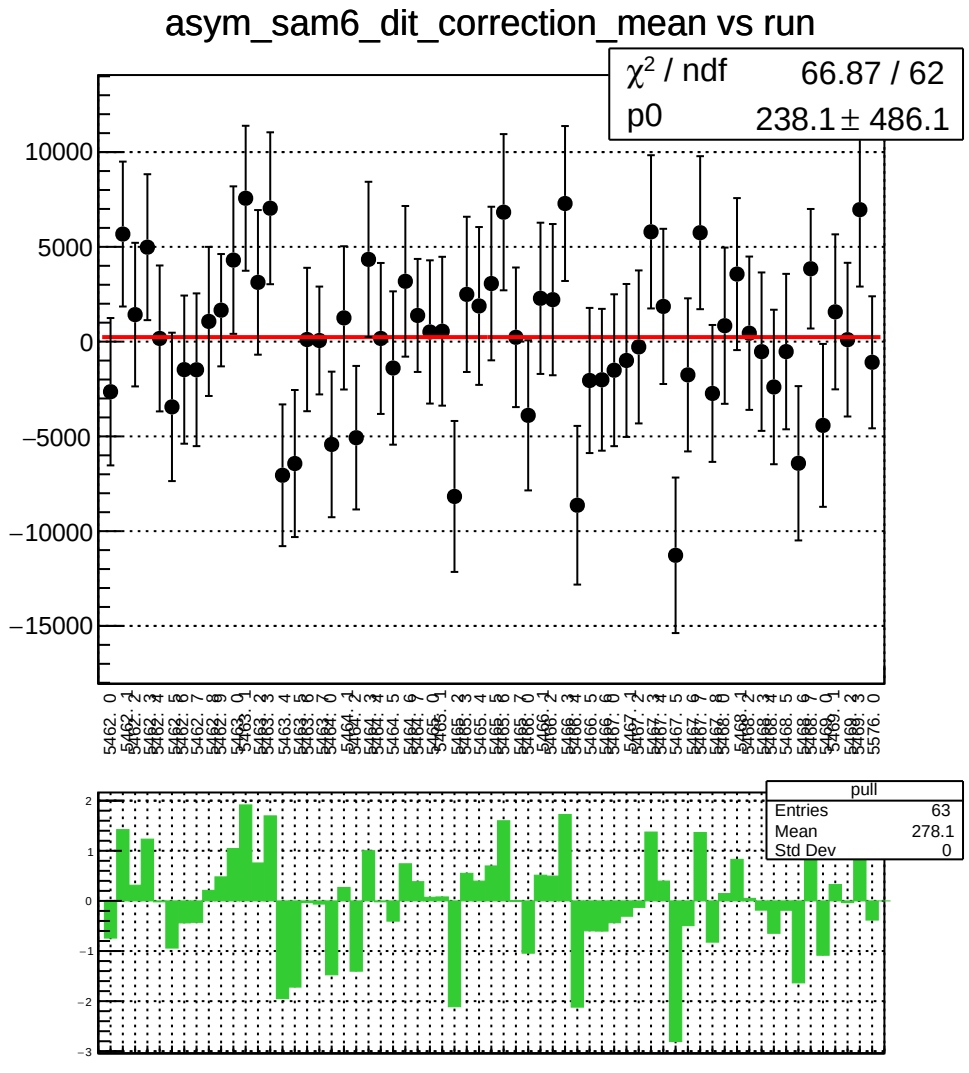

pull1D
Entries 63
Mean −0.005017
Std Dev 1.036

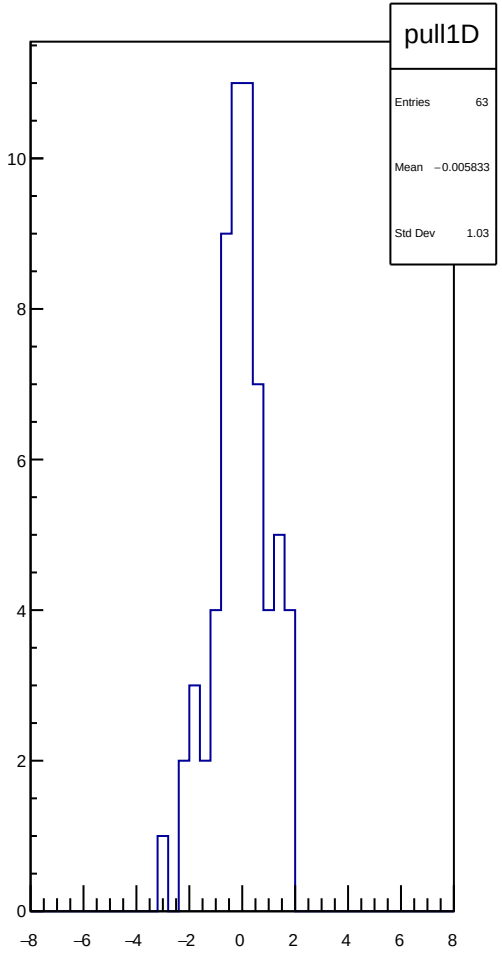

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2385 / 62
p0 376.5 ± 0.3425
440
420
400
380
360
340

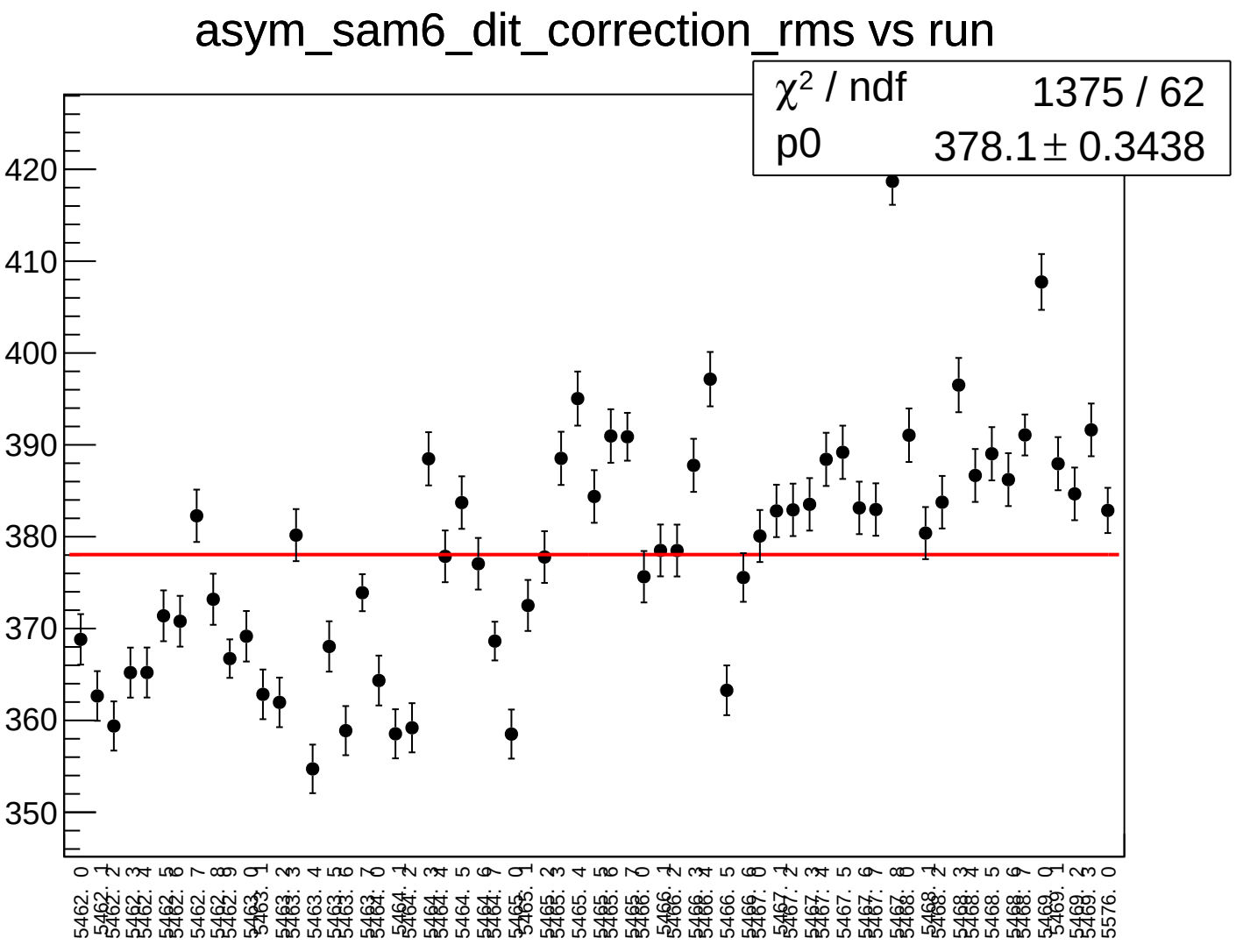

dit_asym_sam6_mean vs run
χ² / ndf 54.48 / 62
p0 −183.1± 155.4
pull
Entries 63
Mean 214.3
Std Dev 0

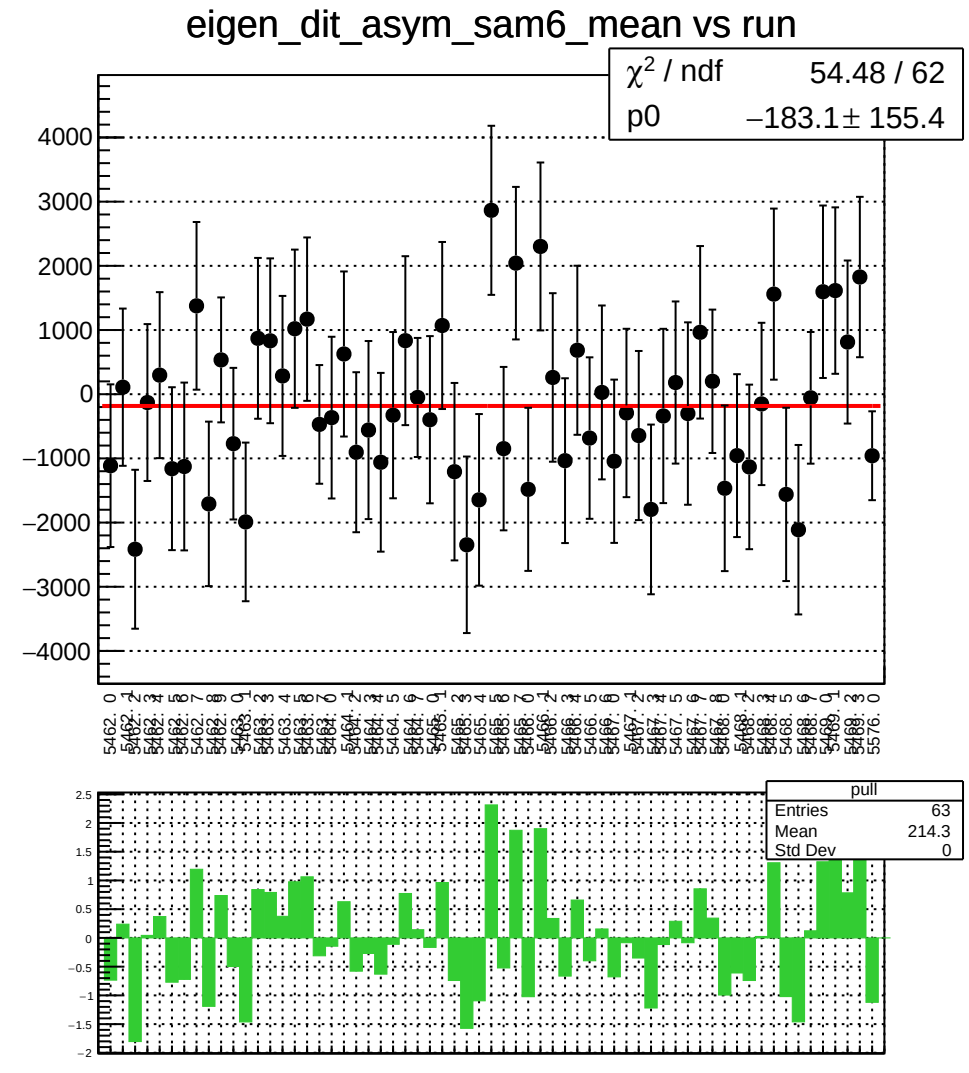

pull1D
Entries 63
Mean 0.008672
Std Dev 0.9299

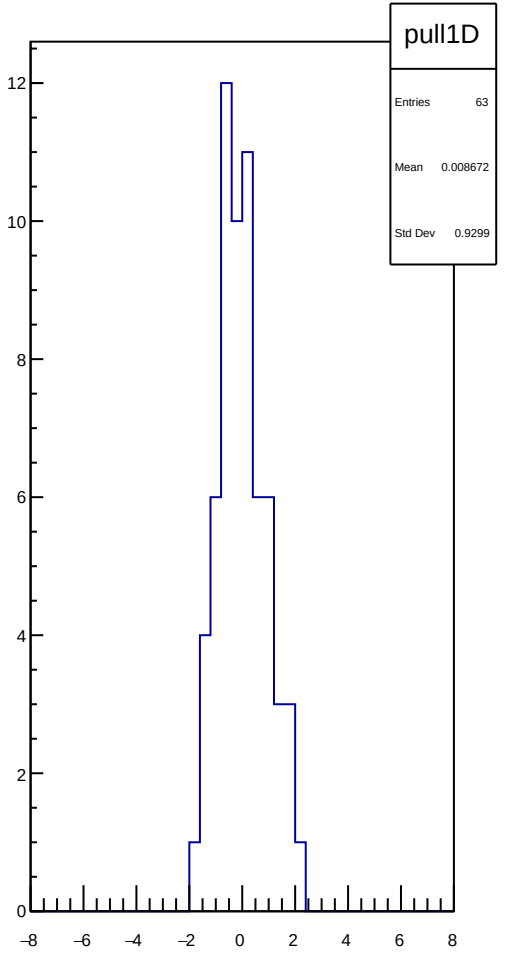

dit_asym_sam6_rms vs run
χ^2 / ndf 1.035e+04 / 62
p0 120.4 ± 0.1099
140
130
120
110
100
90
80
70

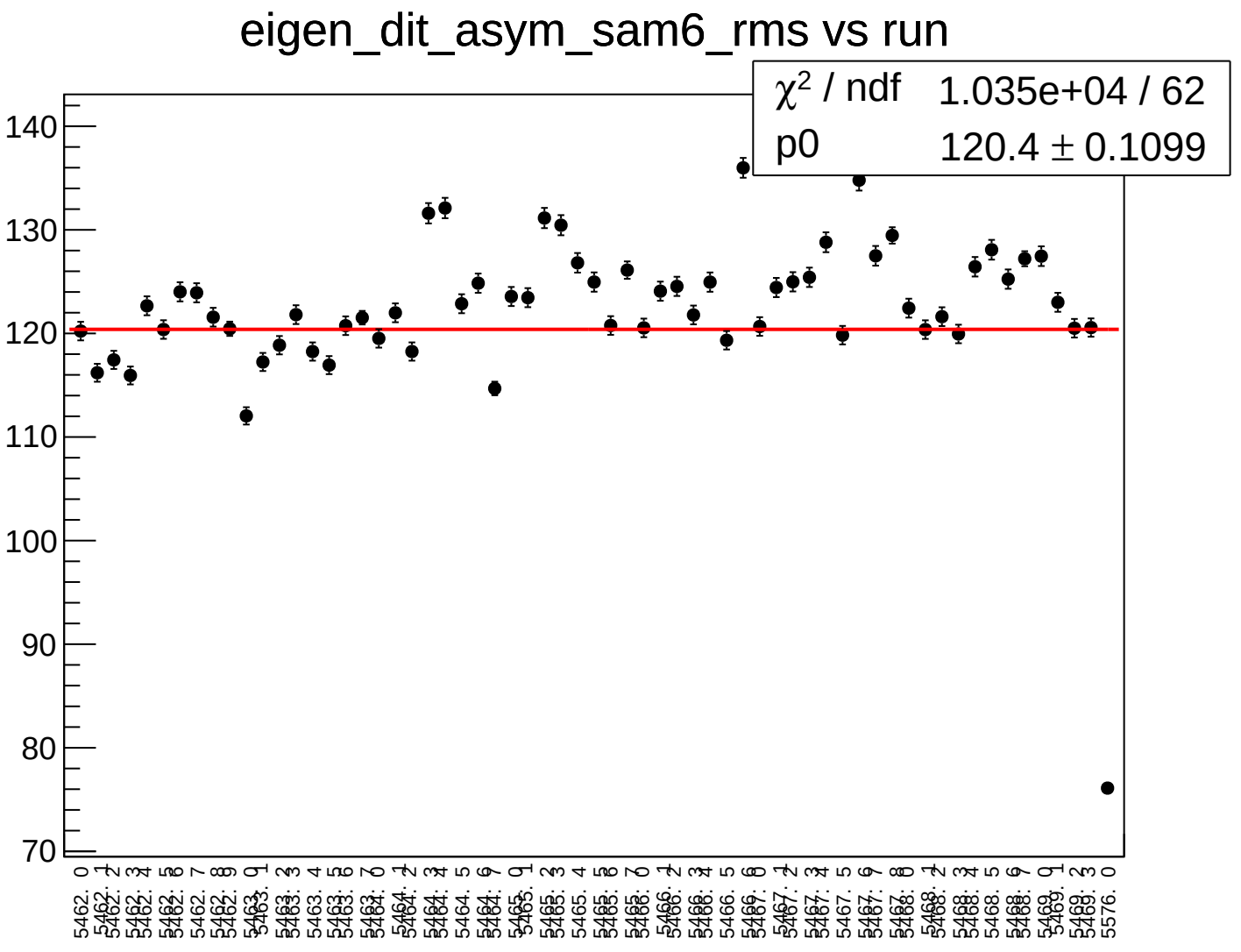

asym_sam6_dit_correction_mean vs run
χ² / ndf 66.87 / 62
p0 238.1 ± 486.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 278.1
Std Dev 0
2
1
0
−1
−2
−3

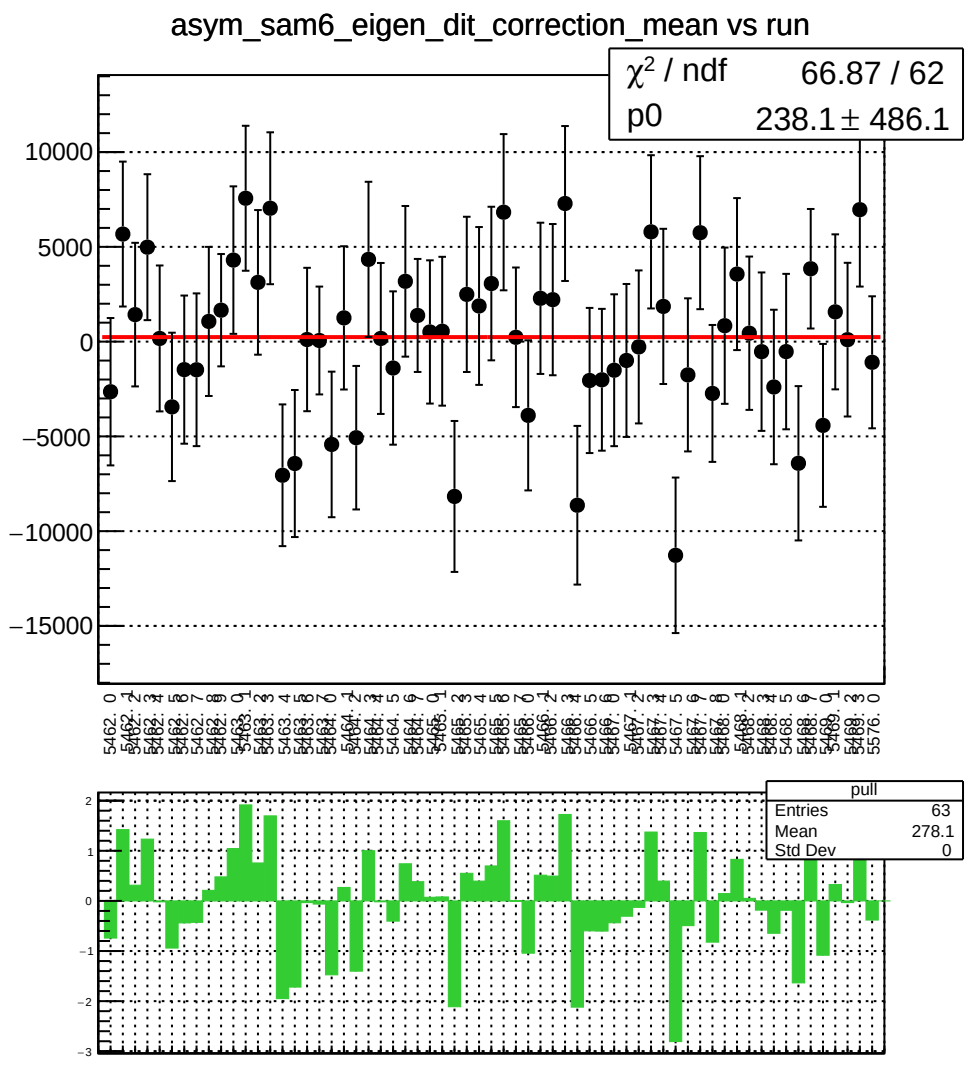

pull1D
Entries 63
Mean −0.005833
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

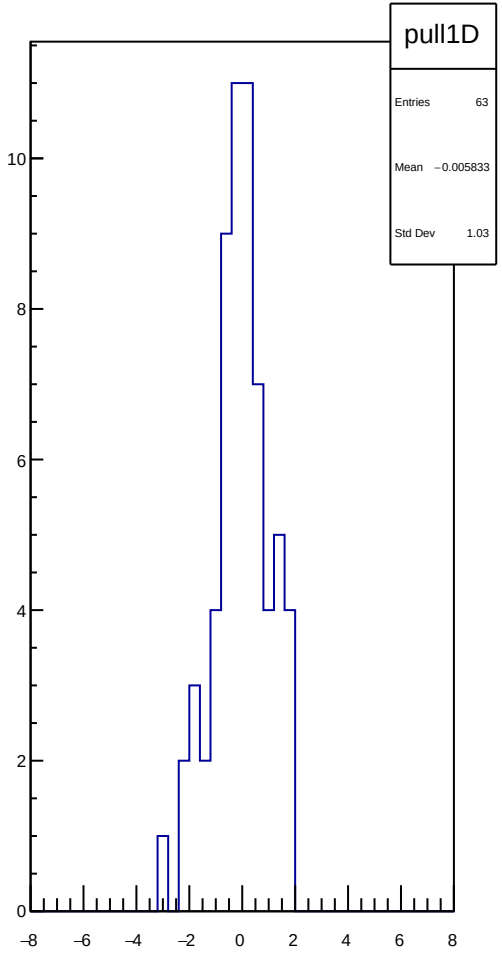

asym_sam6_dit_correction_rms vs run
χ² / ndf 1375 / 62
p0 378.1 ± 0.3438
420
410
400
390
380
370
360
350

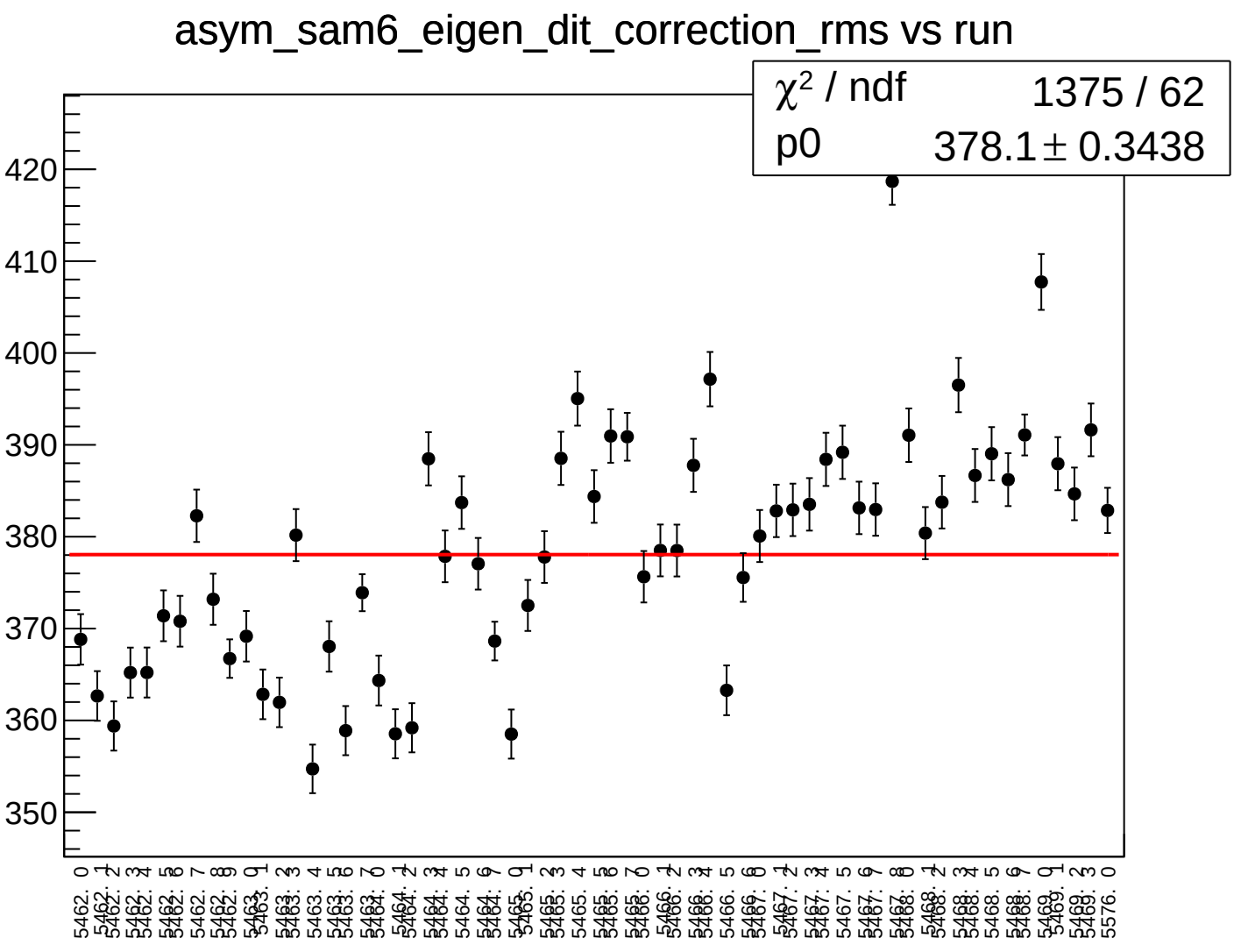

eigen_dit_asym_sam6_mean vs run
χ² / ndf 54.48 / 62
p0 −183.1± 155.4
pull
Entries 63
Mean 214.3
Std Dev 0

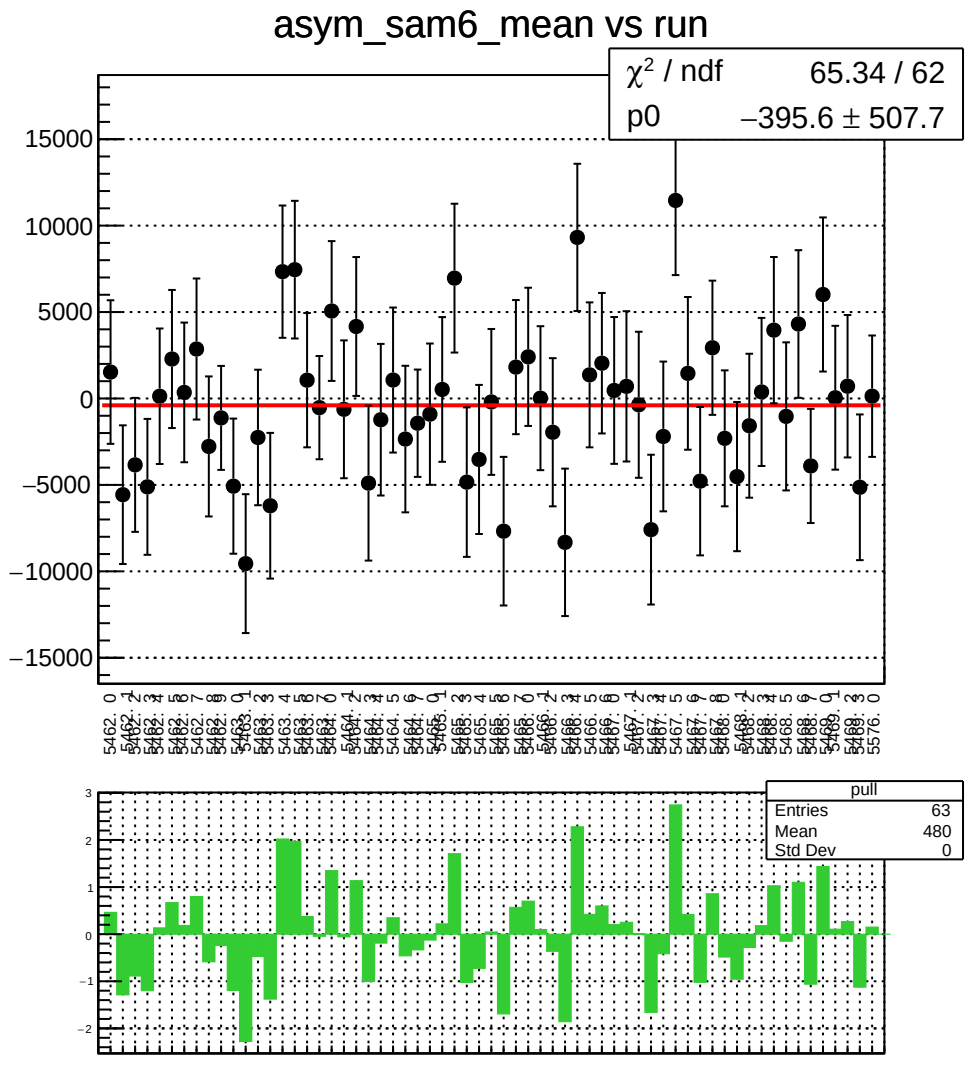

pull1D
Entries 63
Mean 0.008672
Std Dev 0.9299

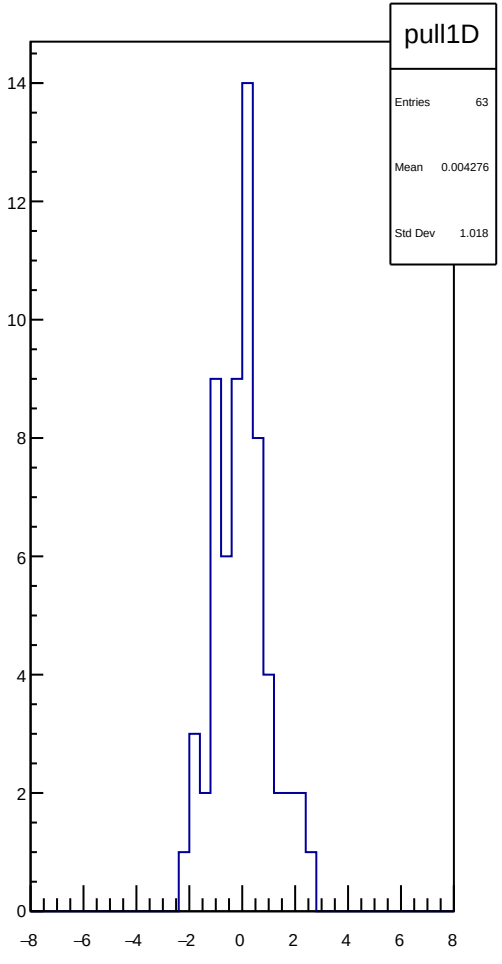

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 1.035e+04 / 62
p0 120.4 ± 0.1099
140
130
120
110
100
90
80
70

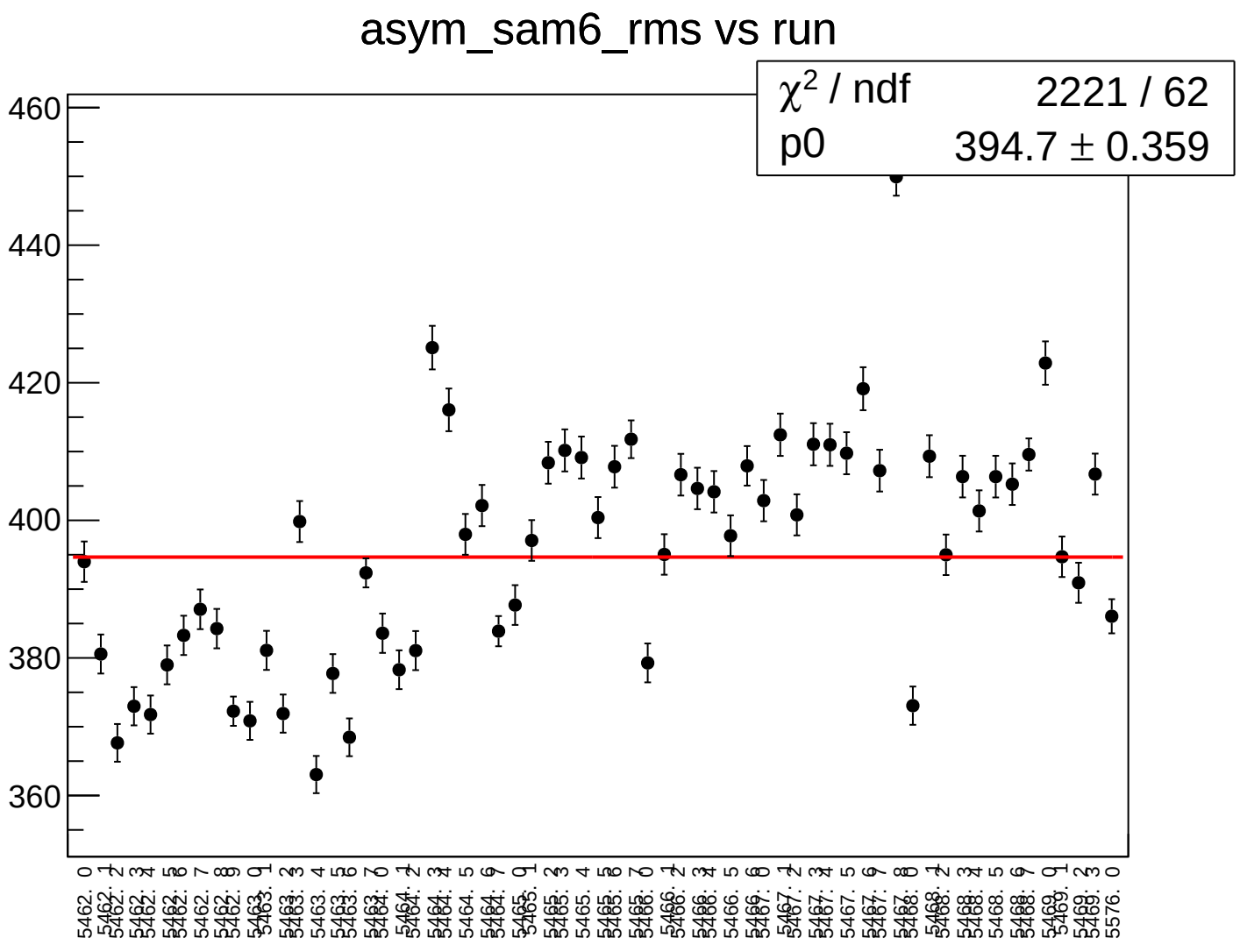

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 66.87 / 62
p0 238.1 ± 486.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 278.1
Std Dev 0
2
1
0
−1
−2
−3

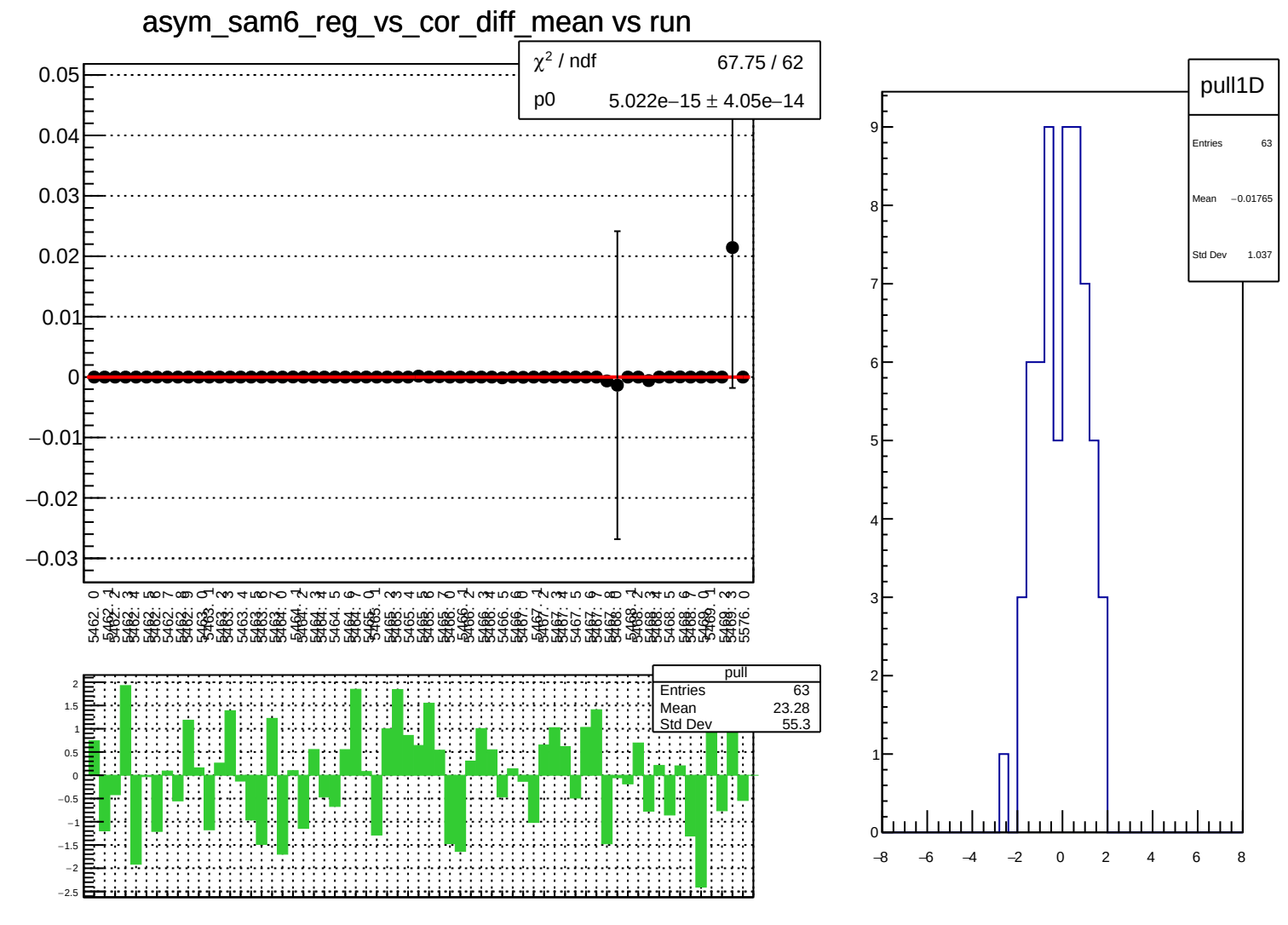

pull1D
Entries 63
Mean −0.005833
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

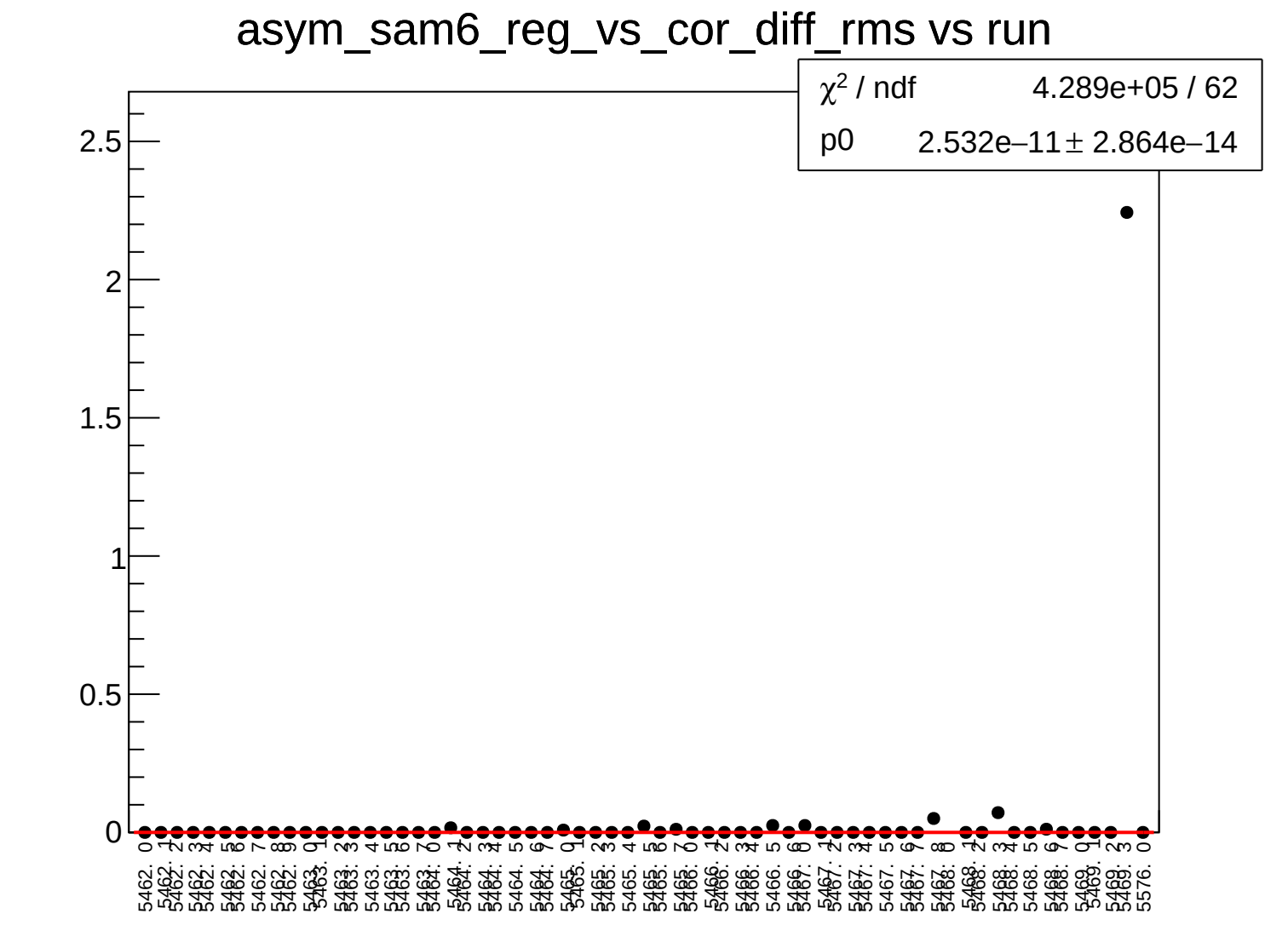

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 1375 / 62
p0 378.1 ± 0.3438
420
410
400
390
380
370
360
350

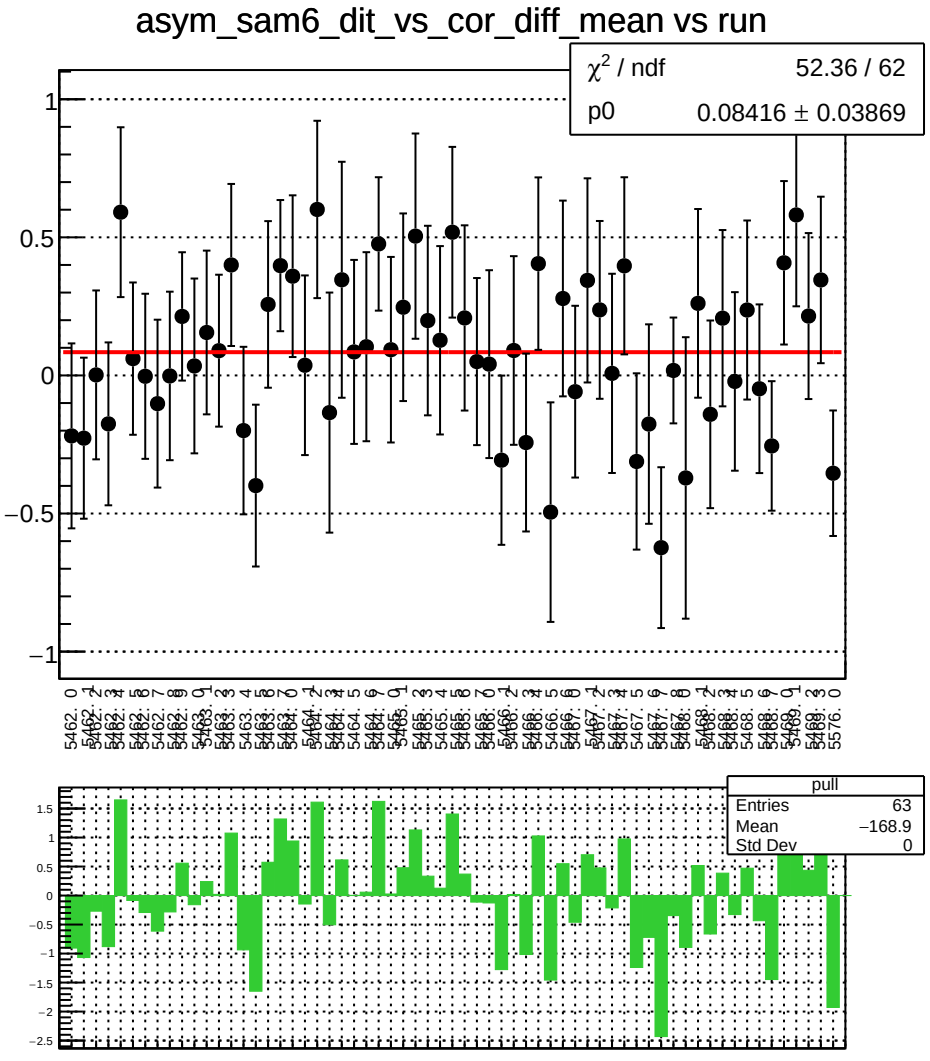

asym_sam6_mean vs run
χ² / ndf 65.34 / 62
p0 −395.6 ± 507.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 480
Std Dev 0
3
2
1
0
−1
−2

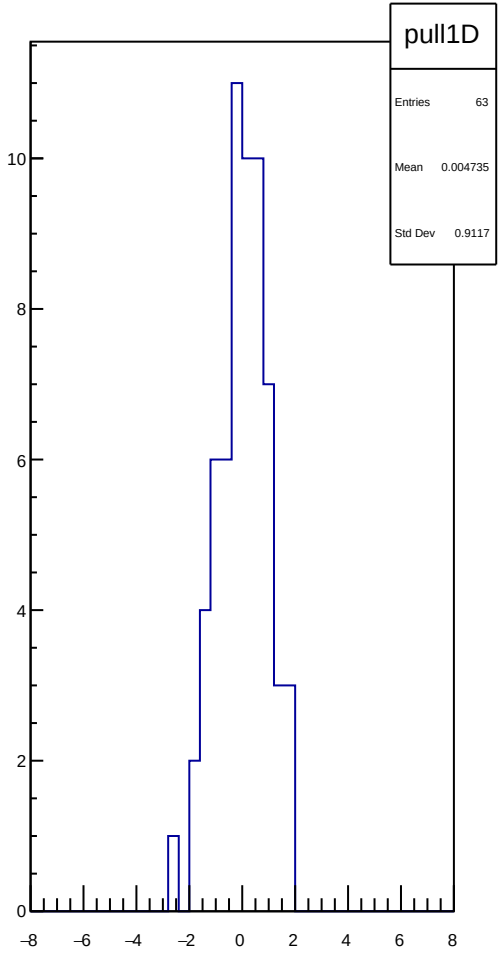

pull1D
Entries 63
Mean 0.004276
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

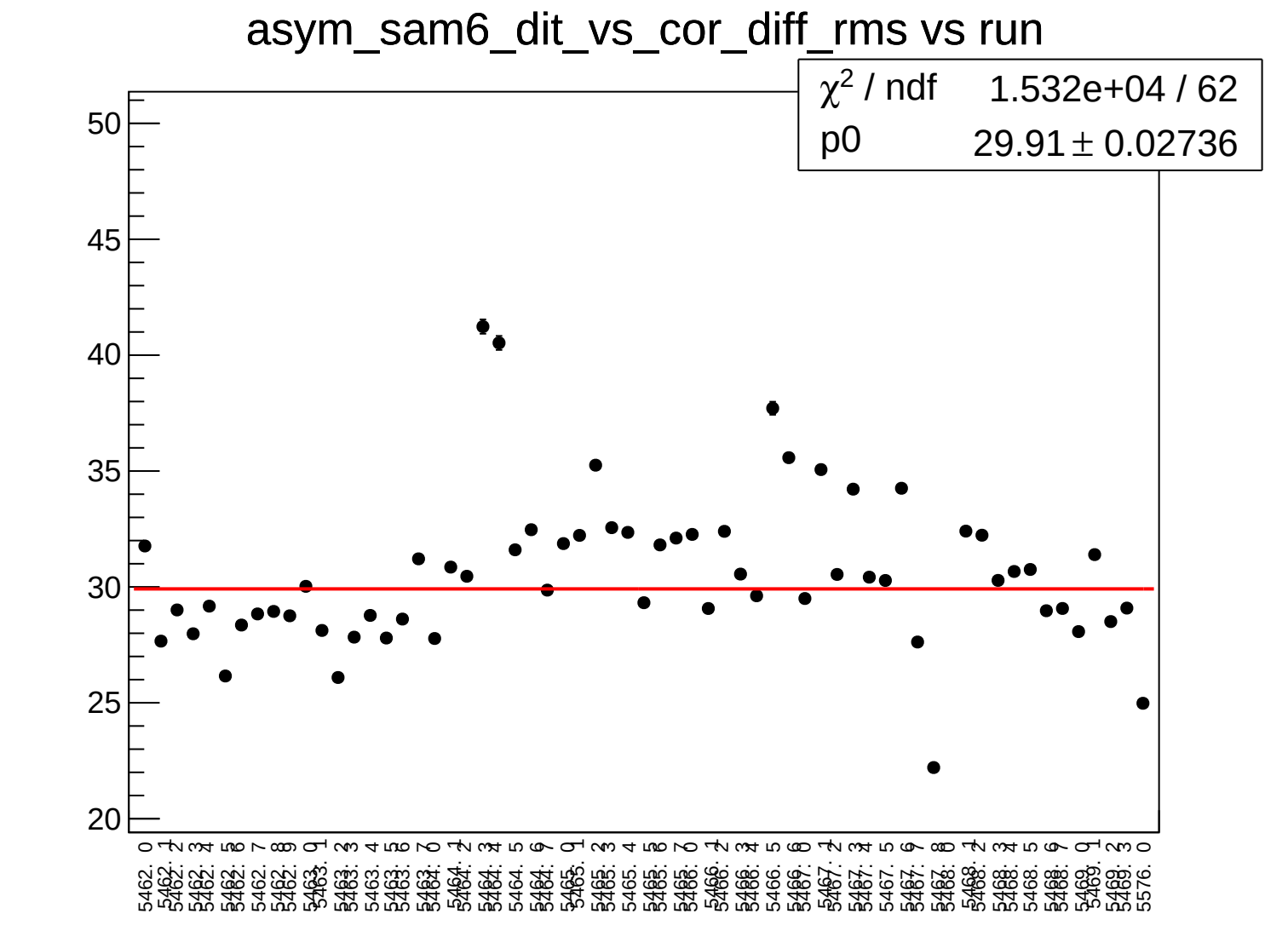

asym_sam6_rms vs run
χ² / ndf 2221 / 62
p0 394.7 ± 0.359
460
440
420
400
380
360

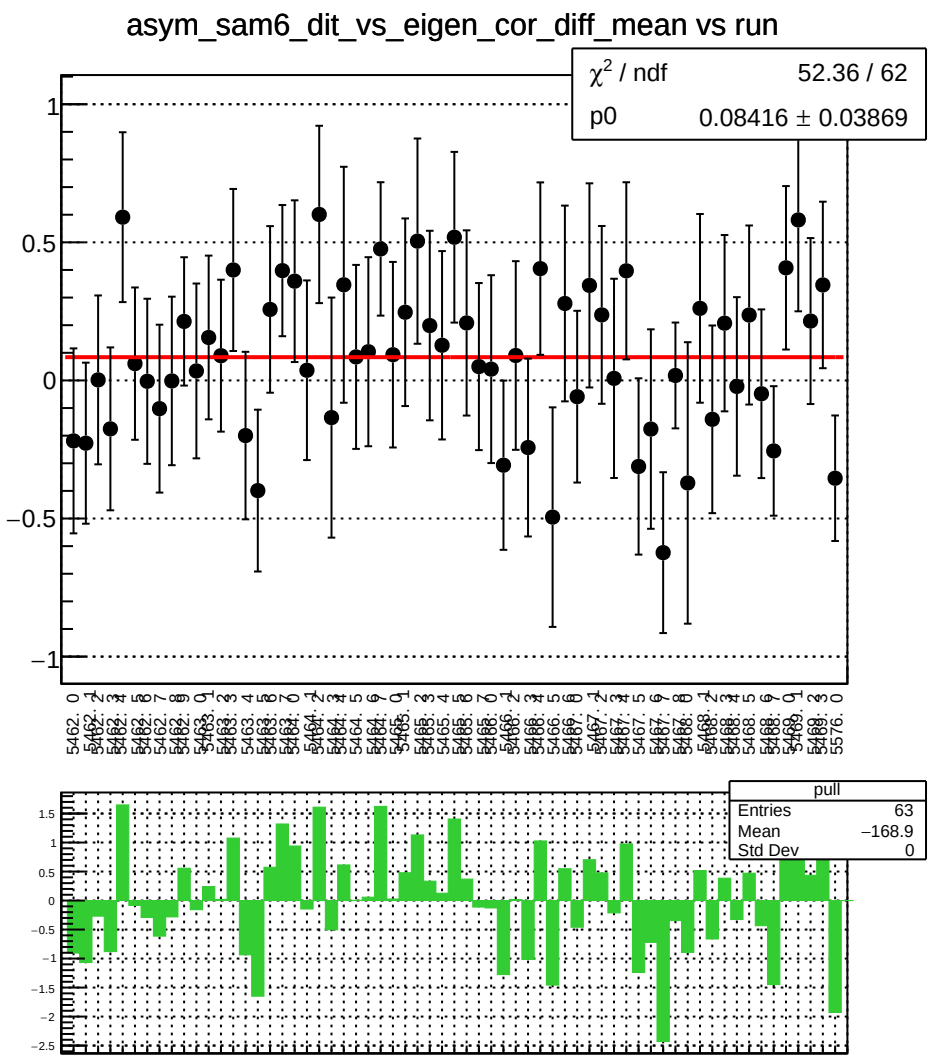

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 67.75 / 62
p0 5.022e−15 ± 4.05e−14
pull
Entries 63
Mean 23.28
Std Dev 55.3
pull1D
Entries 63
Mean −0.01765
Std Dev 1.037

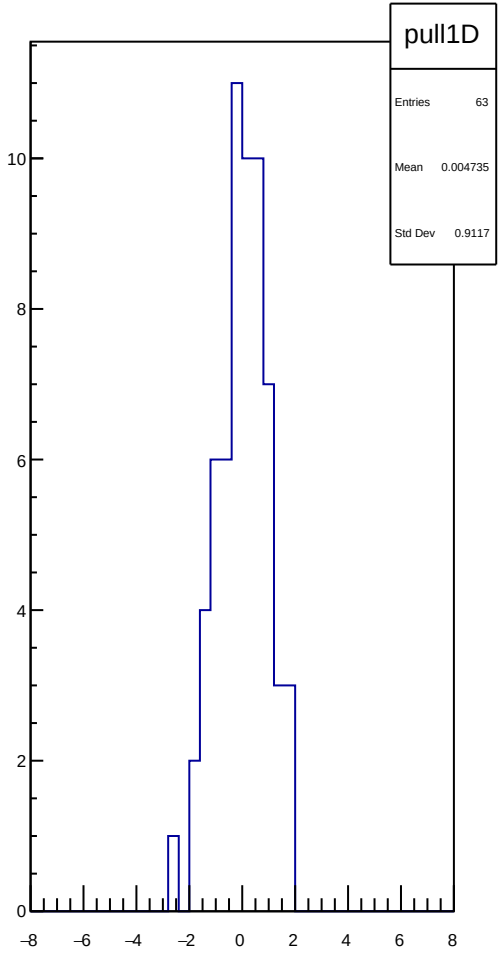

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 4.289e+05 / 62
p0 2.532e−11 ± 2.864e−14
2.5
2
1.5
1
0.5
0

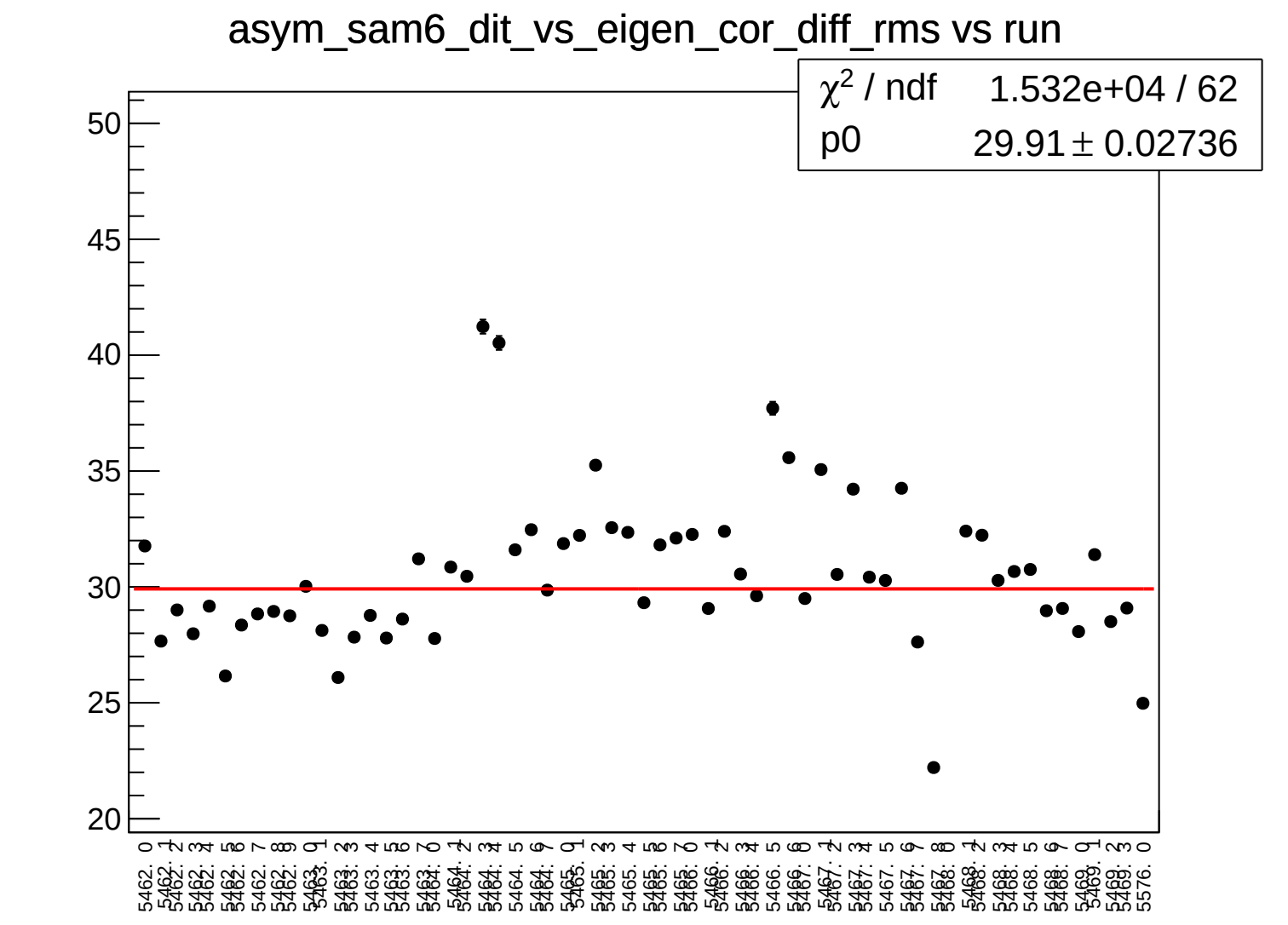

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 52.36 / 62
p0 0.08416 ± 0.03869
pull
Entries 63
Mean −168.9
Std Dev 0

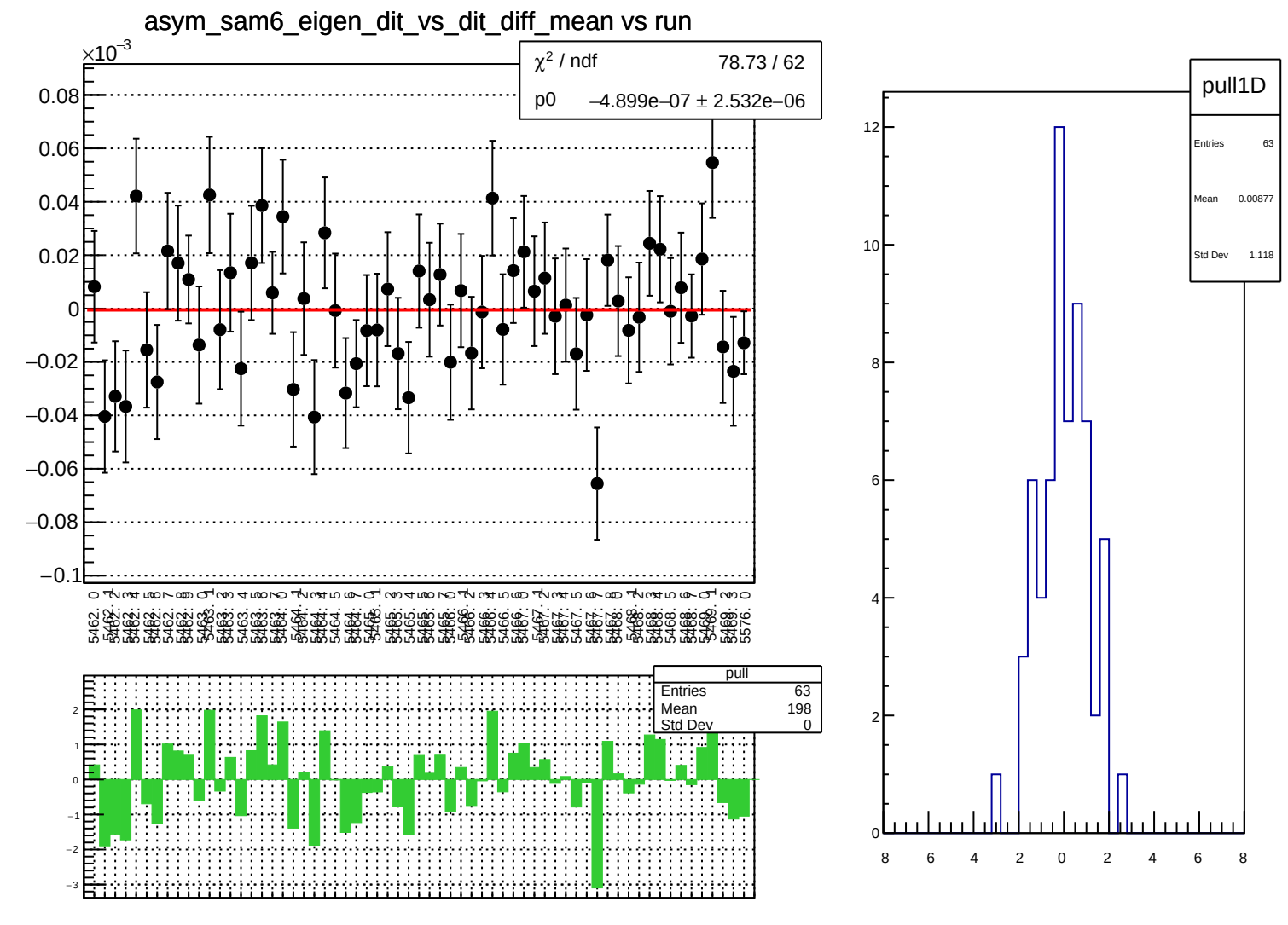

pull1D
Entries 63
Mean 0.004735
Std Dev 0.9117

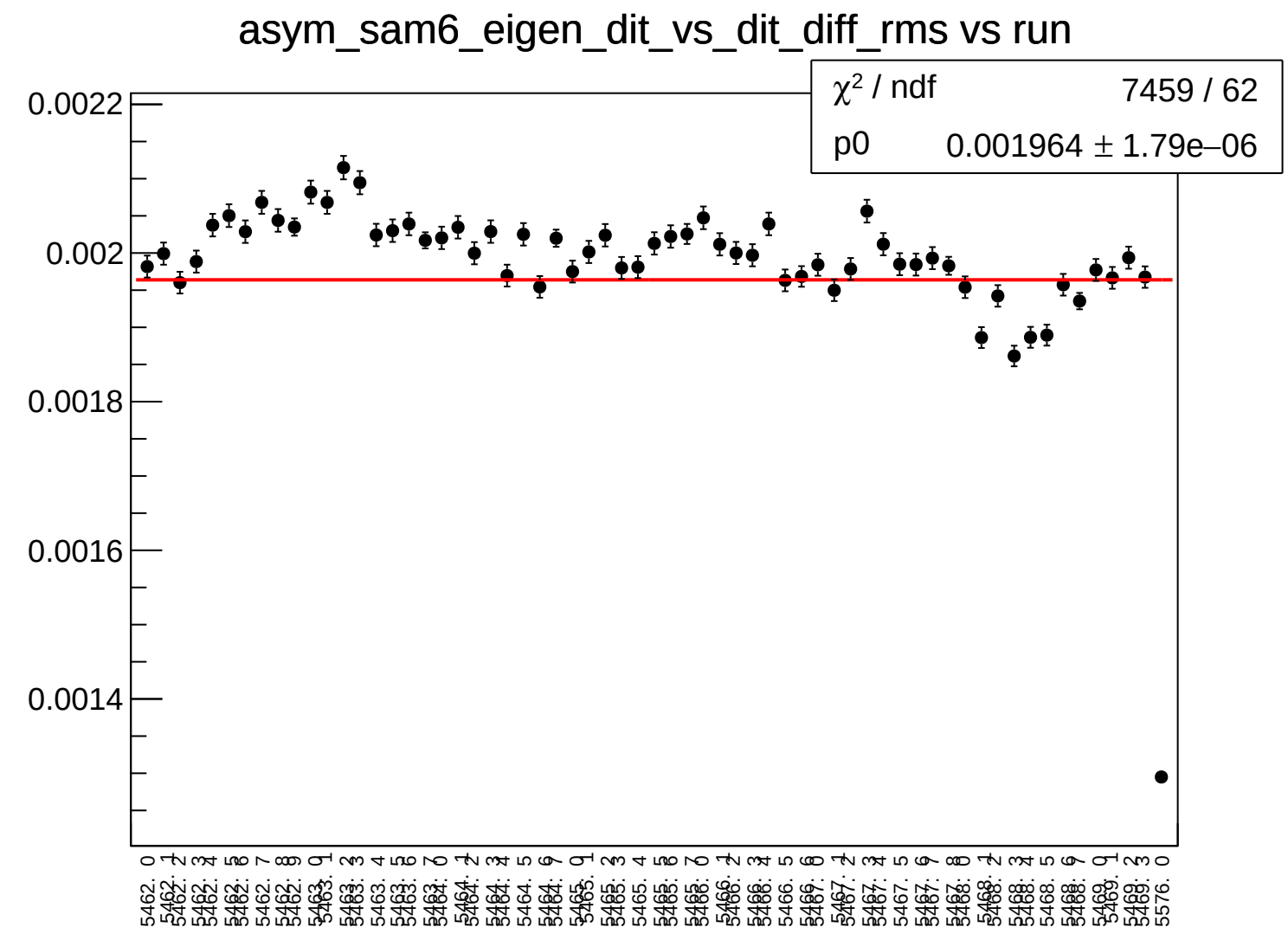

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 29.91 ± 0.02736
50
45
40
35
30
25
20

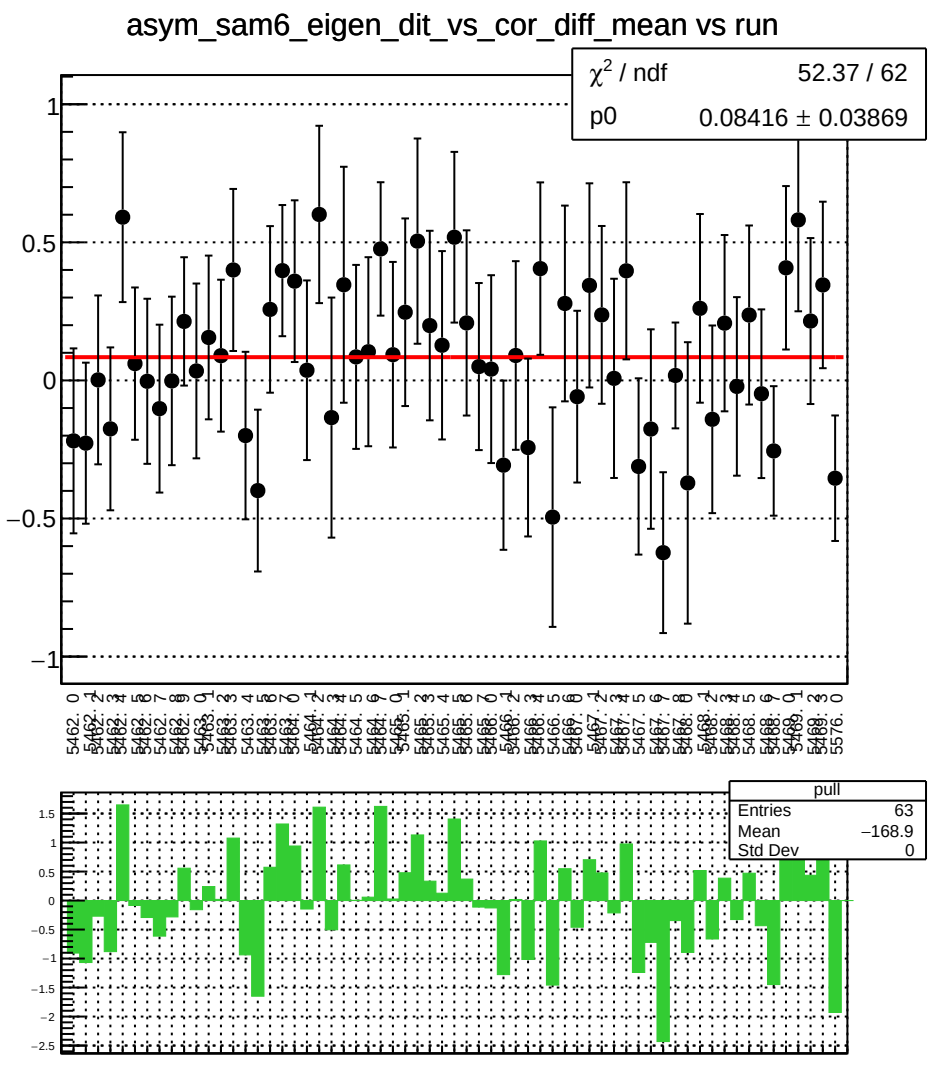

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.36 / 62
p0 0.08416 ± 0.03869
pull
Entries 63
Mean −168.9
Std Dev 0

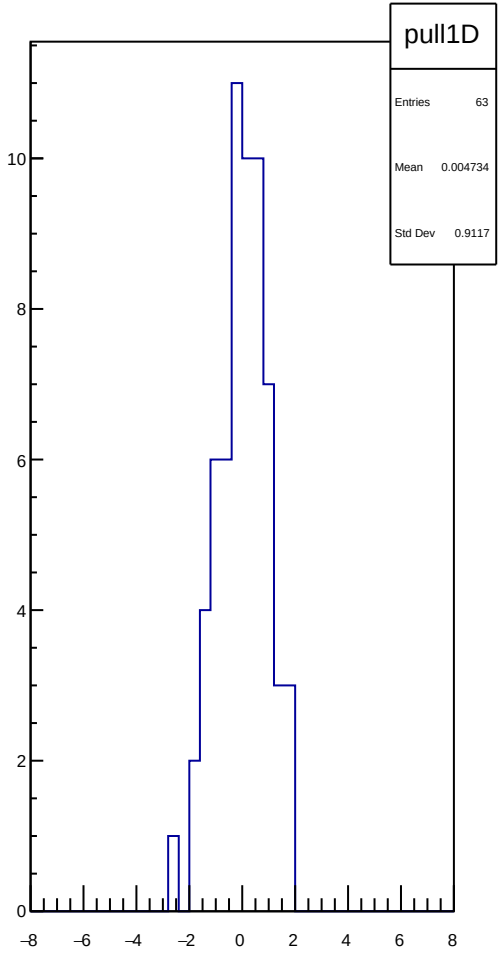

pull1D
Entries 63
Mean 0.004735
Std Dev 0.9117

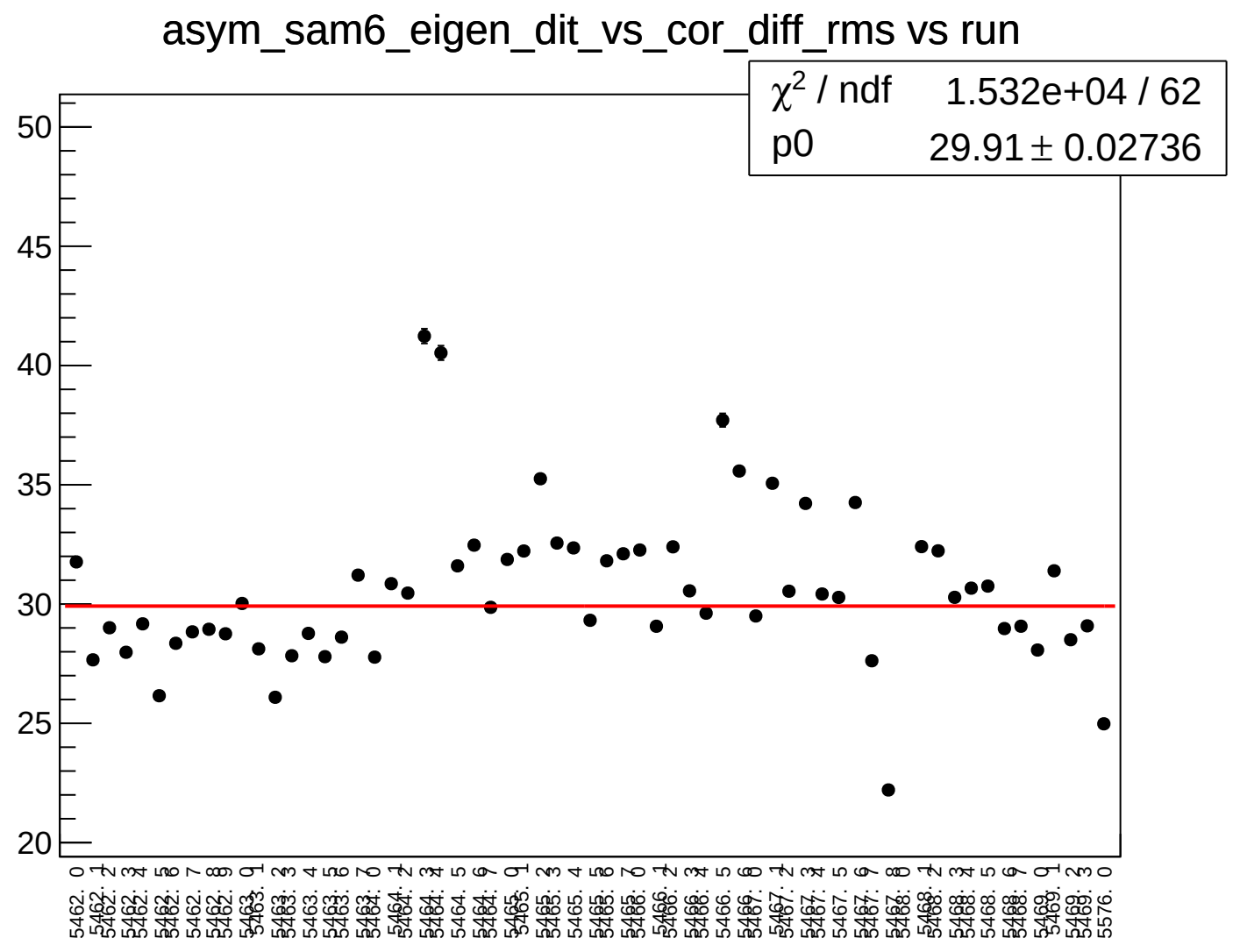

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 29.91 ± 0.02736
50
45
40
35
30
25
20

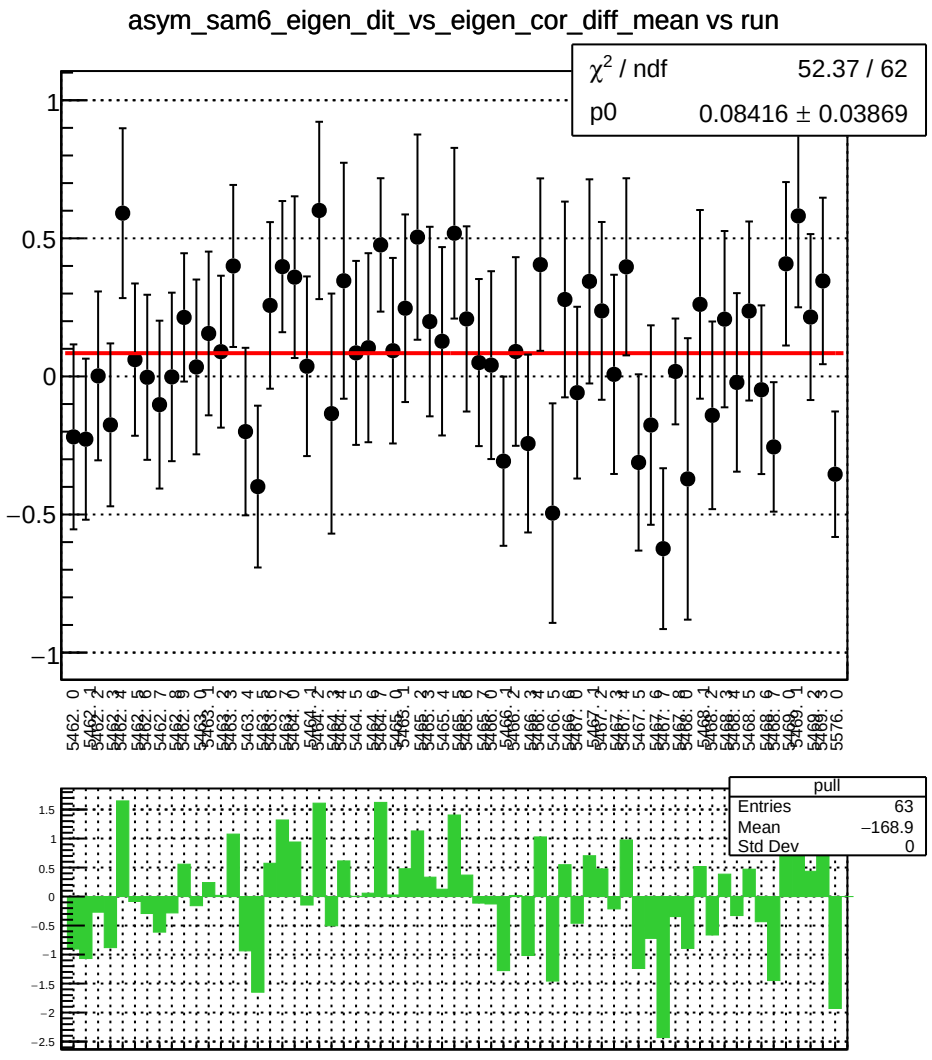

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.73 / 62
p0 −4.899e−07 ± 2.532e−06
pull
Entries 63
Mean 198
Std Dev 0
pull1D
Entries 63
Mean 0.00877
Std Dev 1.118

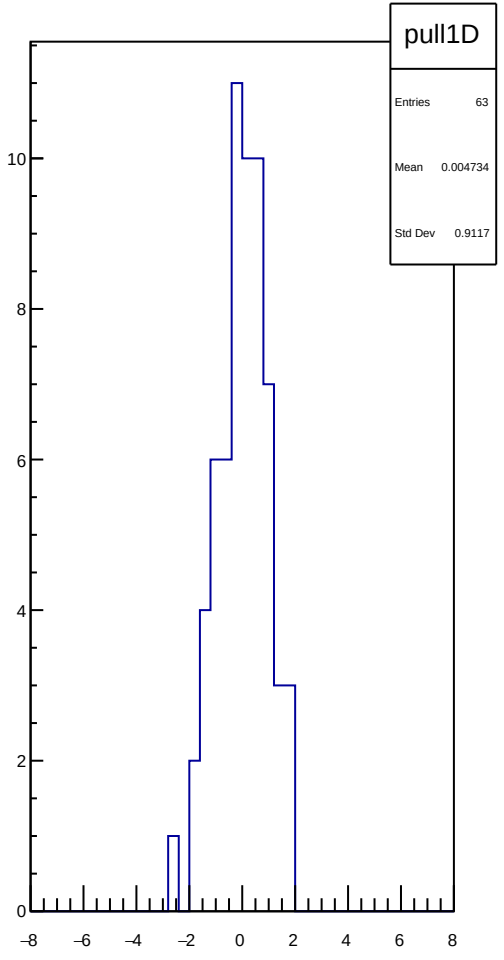

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7459 / 62
p0 0.001964 ± 1.79e–06
0.0022
0.002
0.0018
0.0016
0.0014

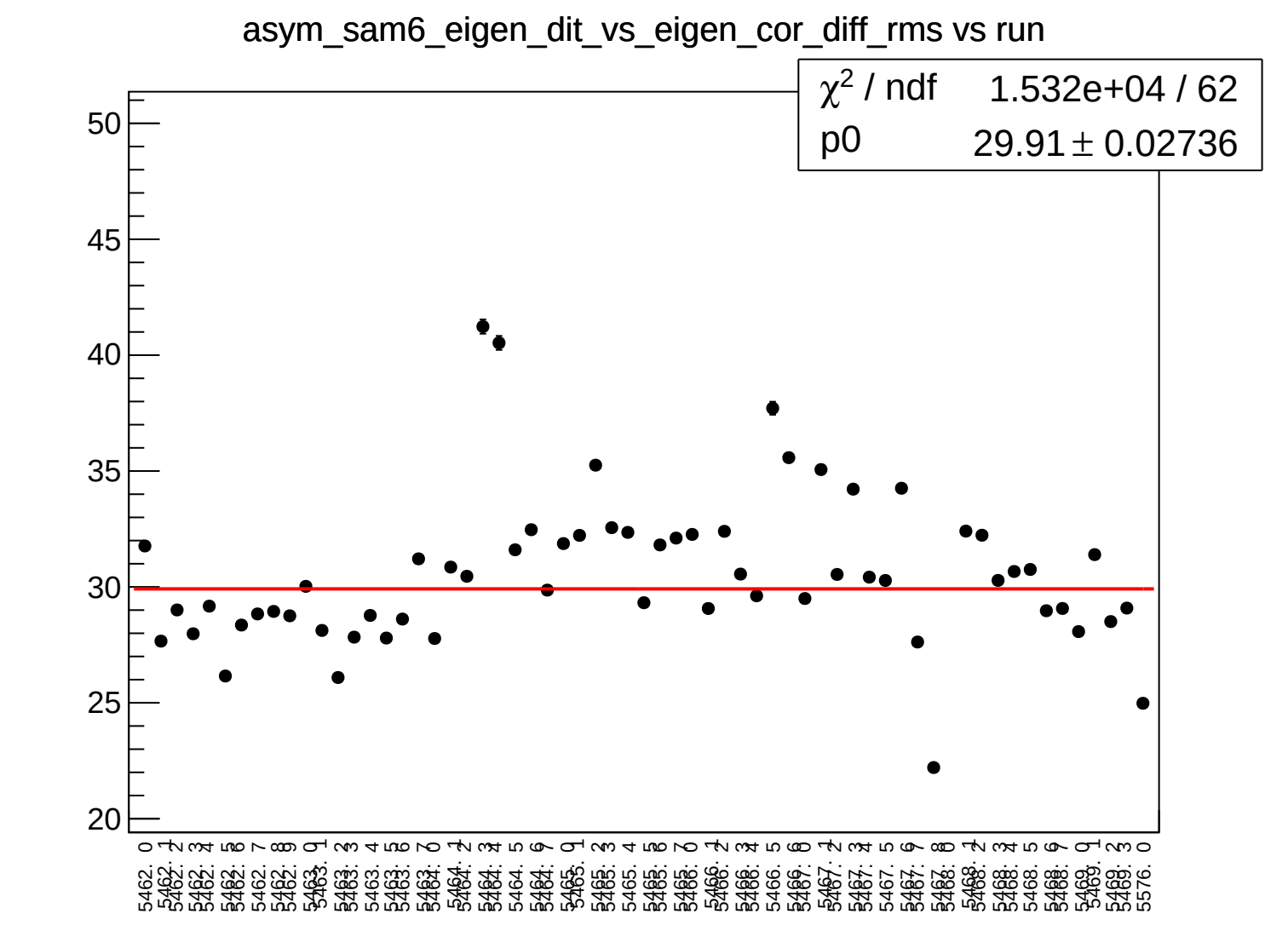

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.08416 ± 0.03869
pull
Entries 63
Mean −168.9
Std Dev 0

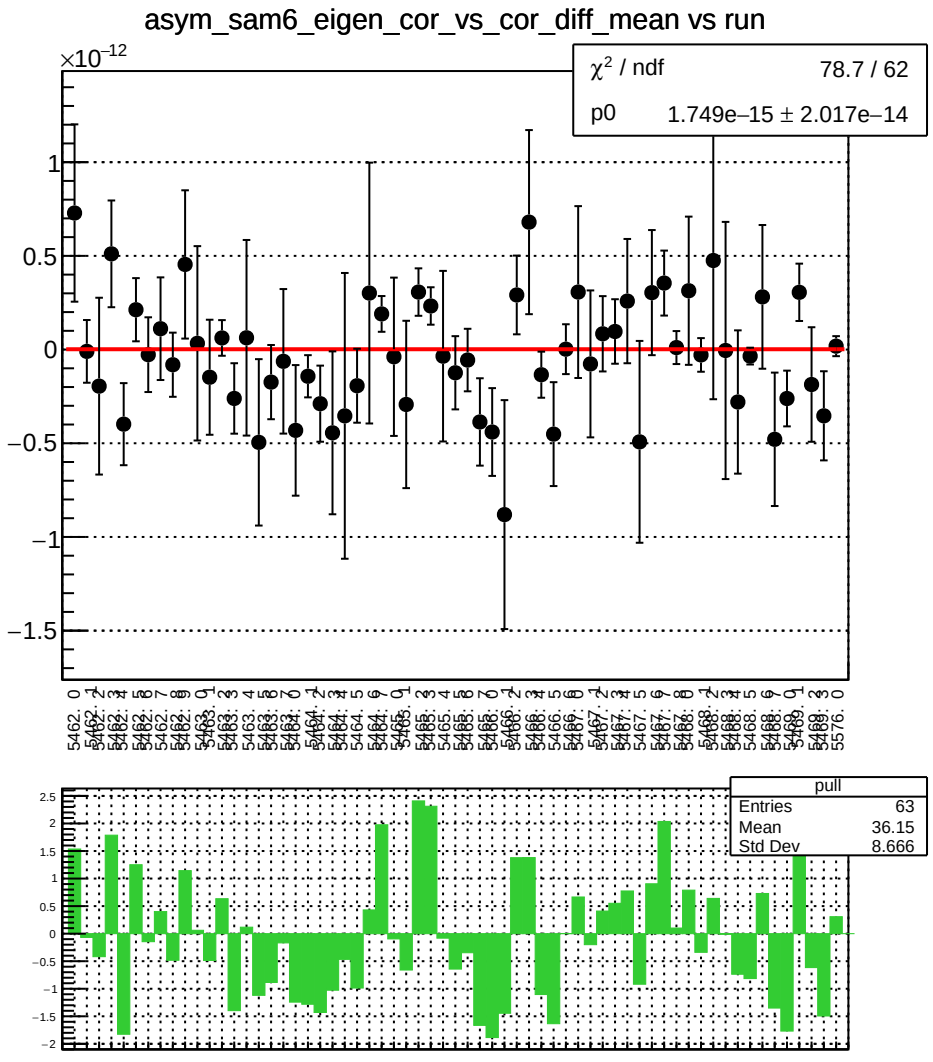

pull1D
Entries 63
Mean 0.004734
Std Dev 0.9117

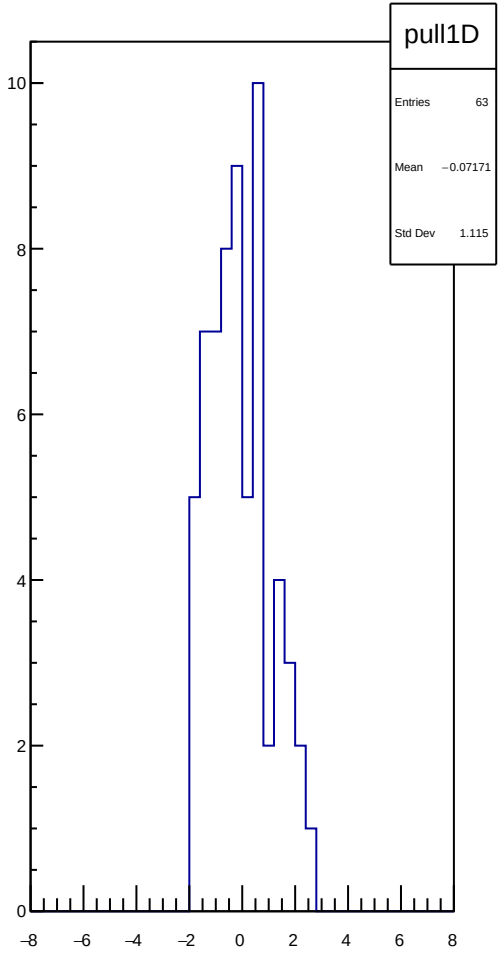

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 29.91 ± 0.02736
50
45
40
35
30
25
20

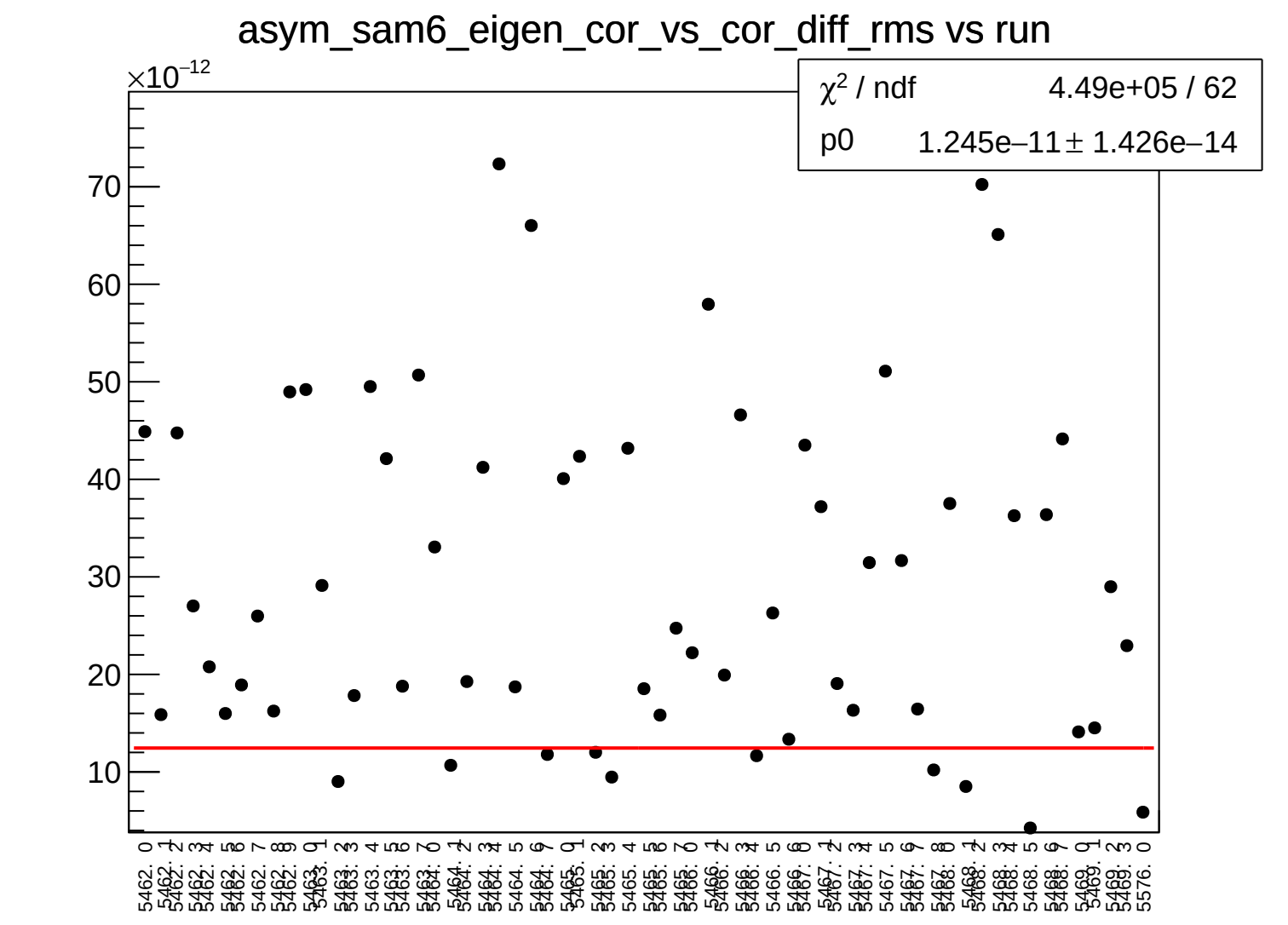

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.08416 ± 0.03869
pull
Entries 63
Mean −168.9
Std Dev 0

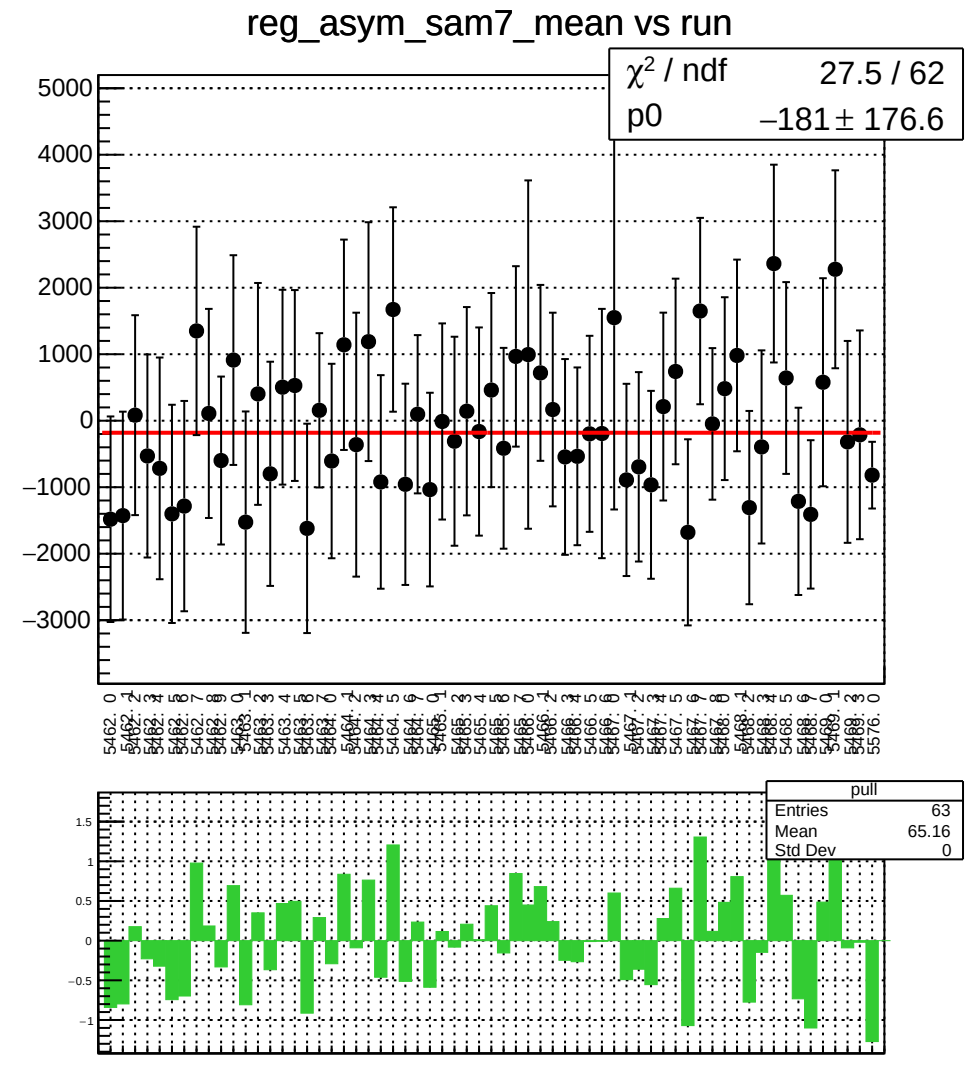

pull1D
Entries 63
Mean 0.004734
Std Dev 0.9117

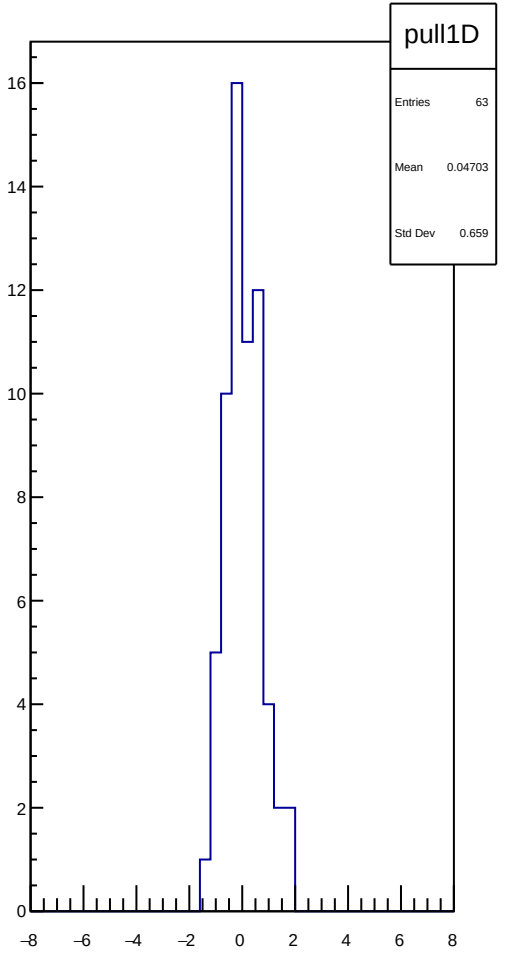

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 29.91 ± 0.02736
50
45
40
35
30
25
20

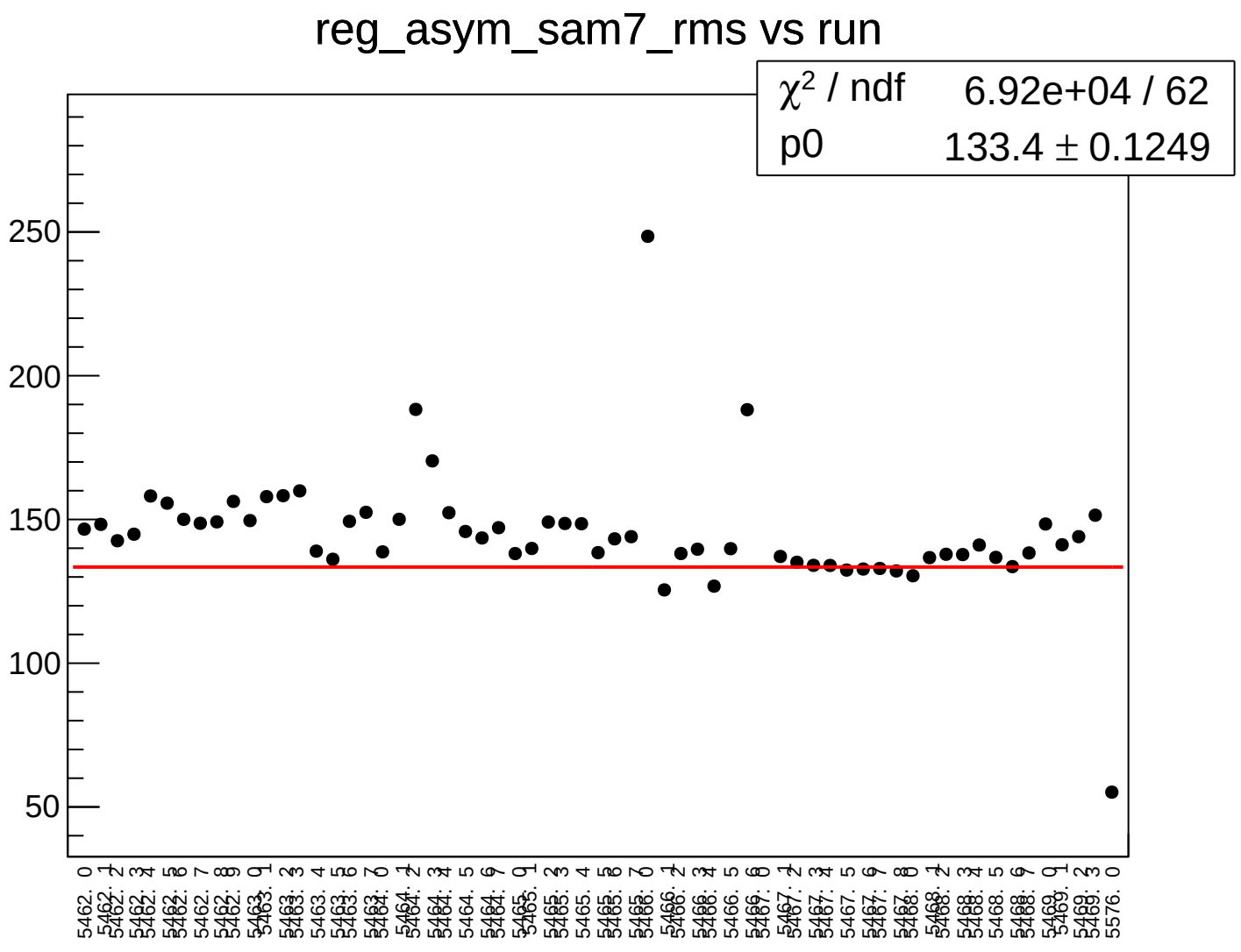

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 78.7 / 62
p0 1.749e−15 ± 2.017e−14
pull
Entries 63
Mean 36.15
Std Dev 8.666

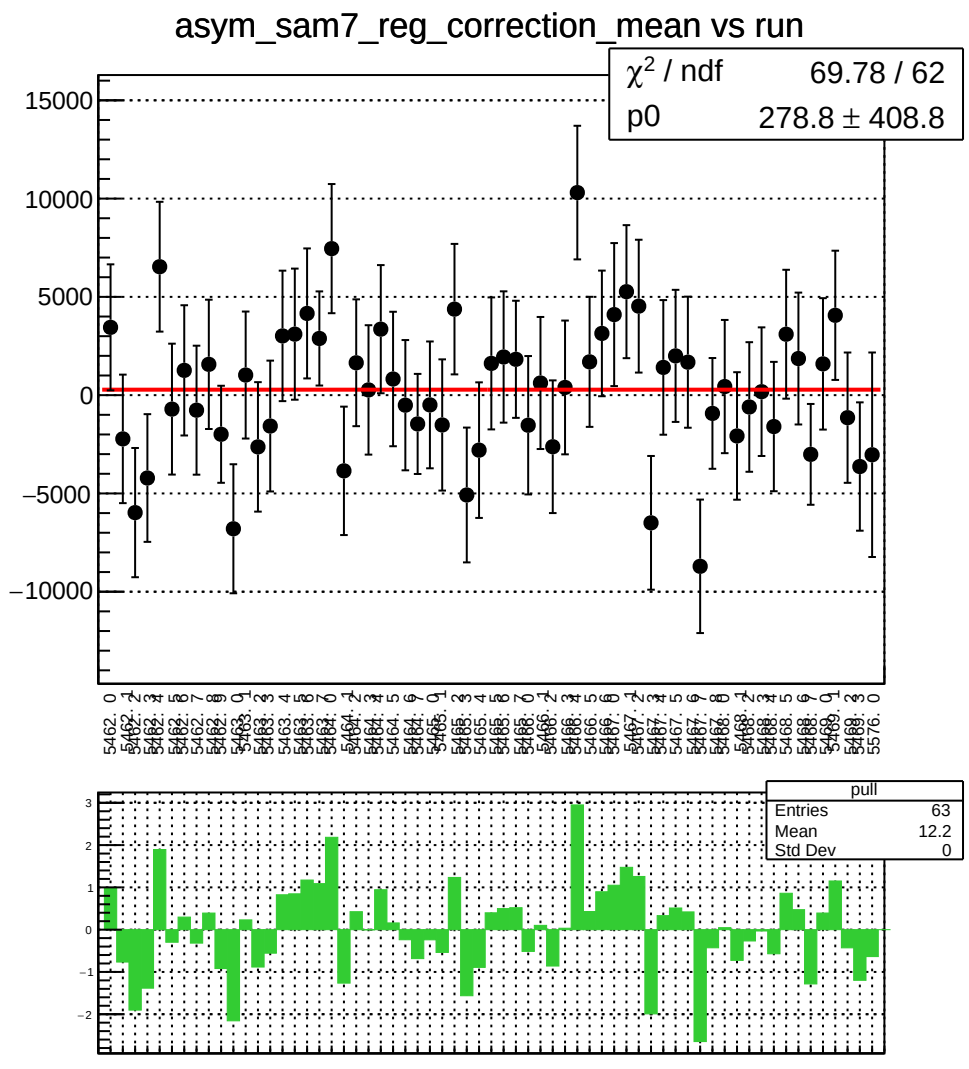

pull1D
Entries 63
Mean −0.07171
Std Dev 1.115

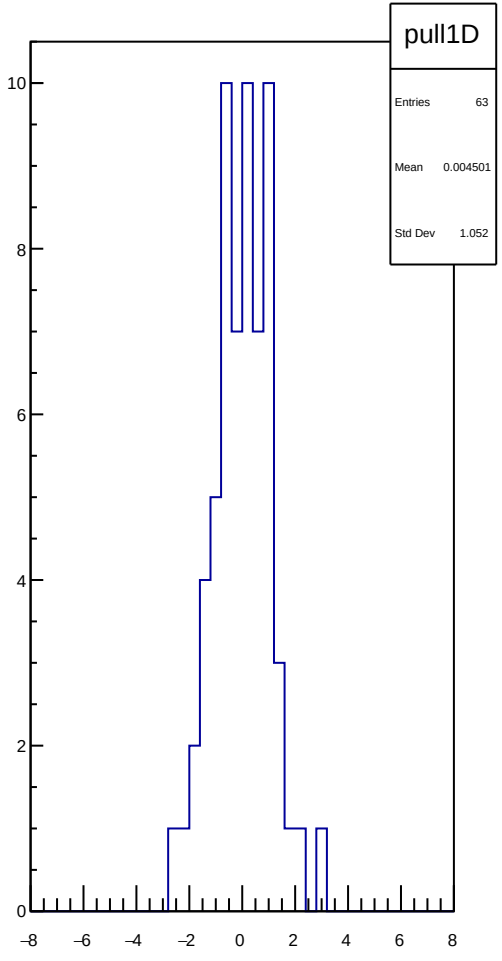

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.49e+05 / 62
p0 1.245e−11 ± 1.426e−14
70
60
50
40
30
20
10

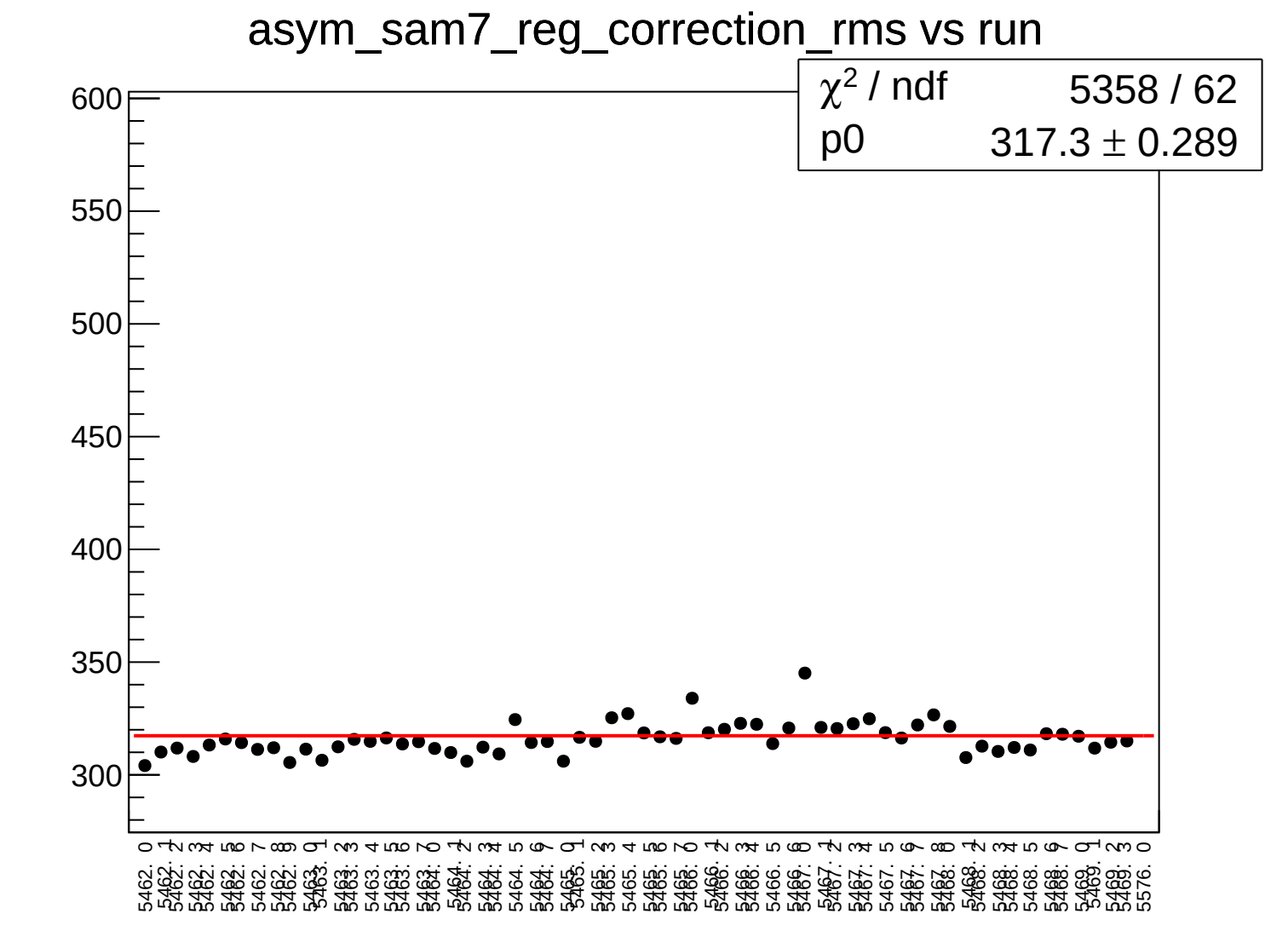

reg_asym_sam7_mean vs run
χ² / ndf 27.5 / 62
p0 −181 ± 176.6
pull
Entries 63
Mean 65.16
Std Dev 0

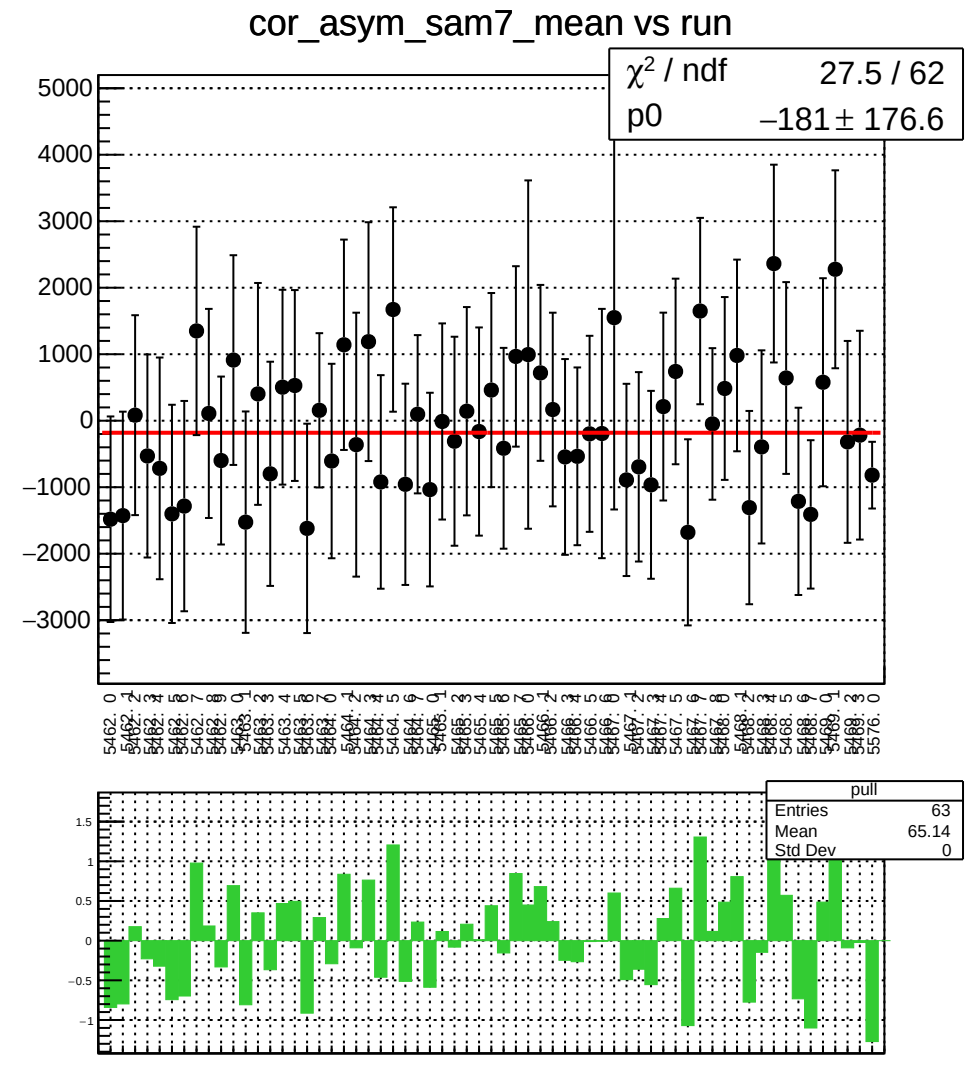

pull1D
Entries 63
Mean 0.04703
Std Dev 0.659

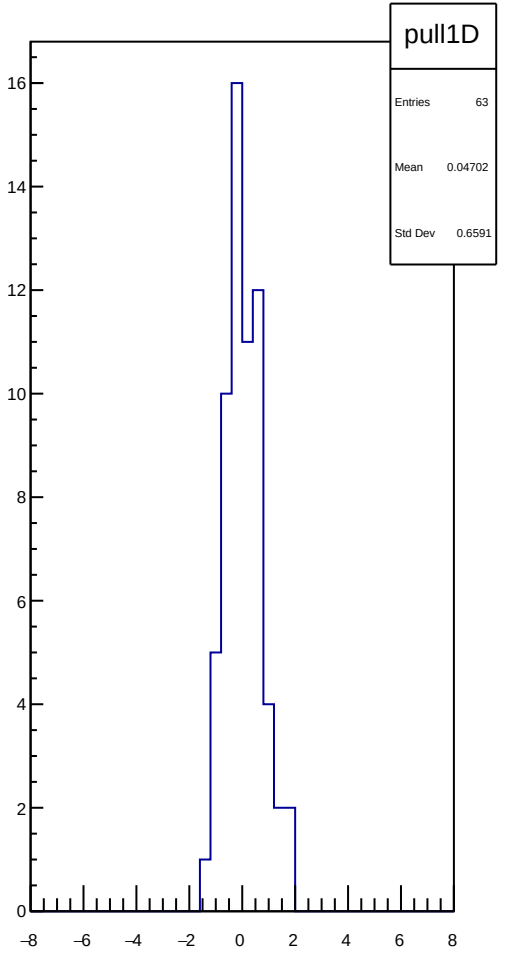

reg_asym_sam7_rms vs run
χ² / ndf 6.92e+04 / 62
p0 133.4 ± 0.1249
250
200
150
100
50

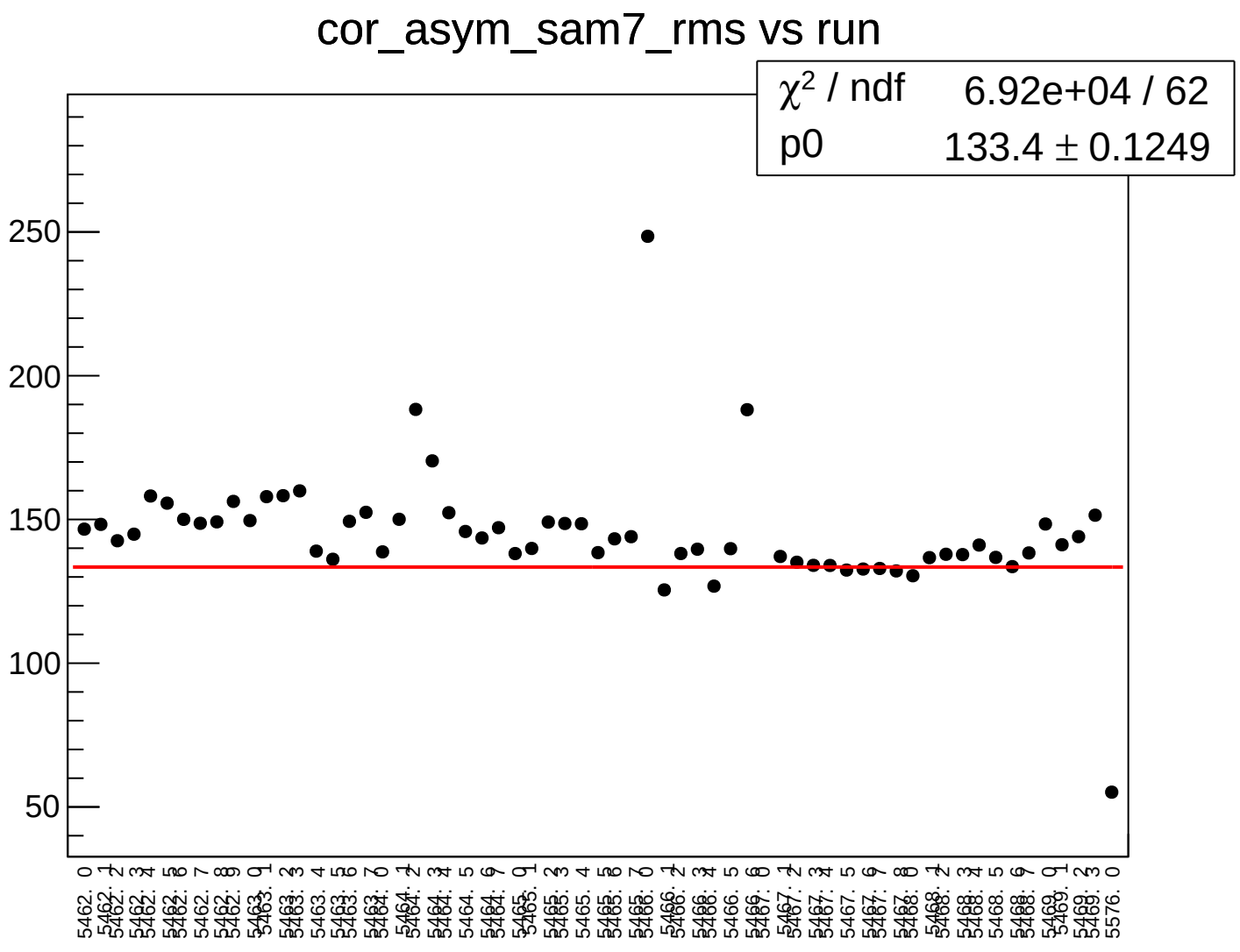

asym_sam7_reg_correction_mean vs run
χ² / ndf 69.78 / 62
p0 278.8 ± 408.8
pull
Entries 63
Mean 12.2
Std Dev 0

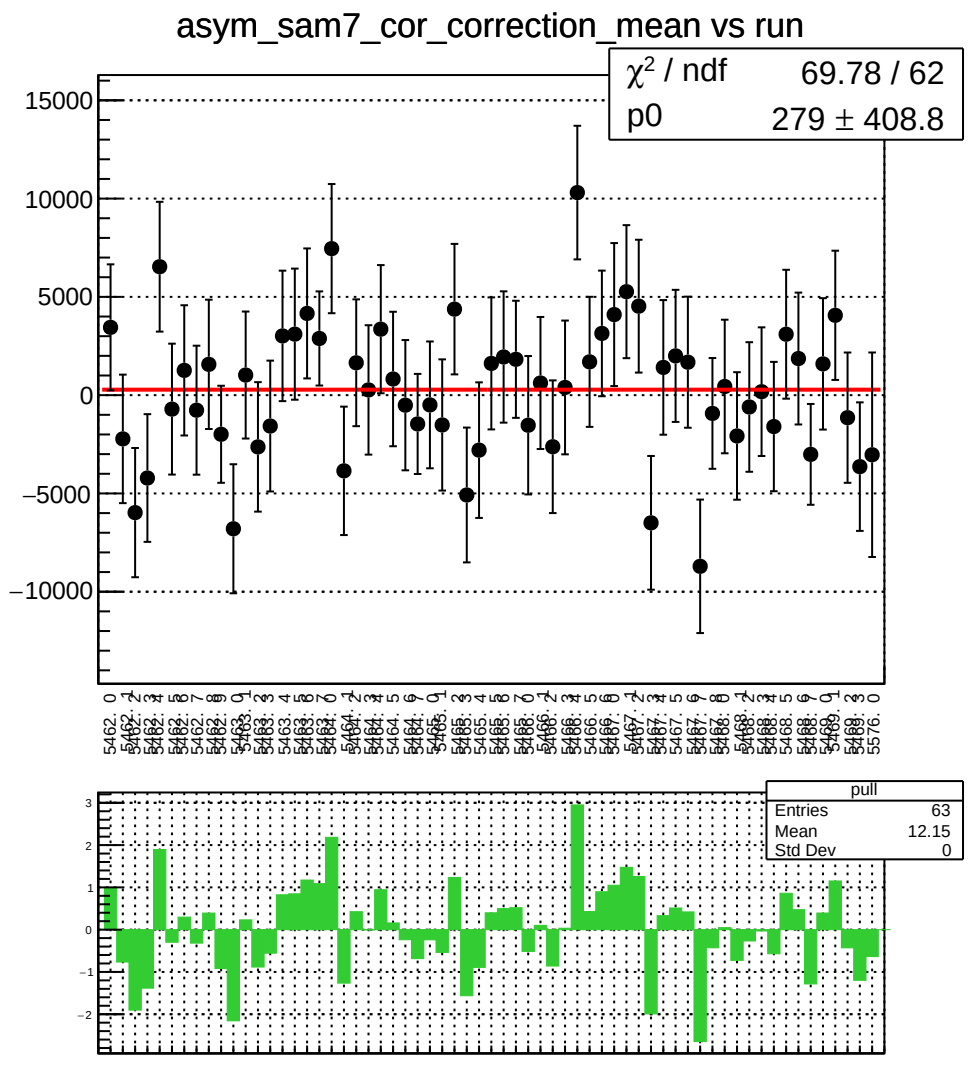

pull1D
Entries 63
Mean 0.004501
Std Dev 1.052

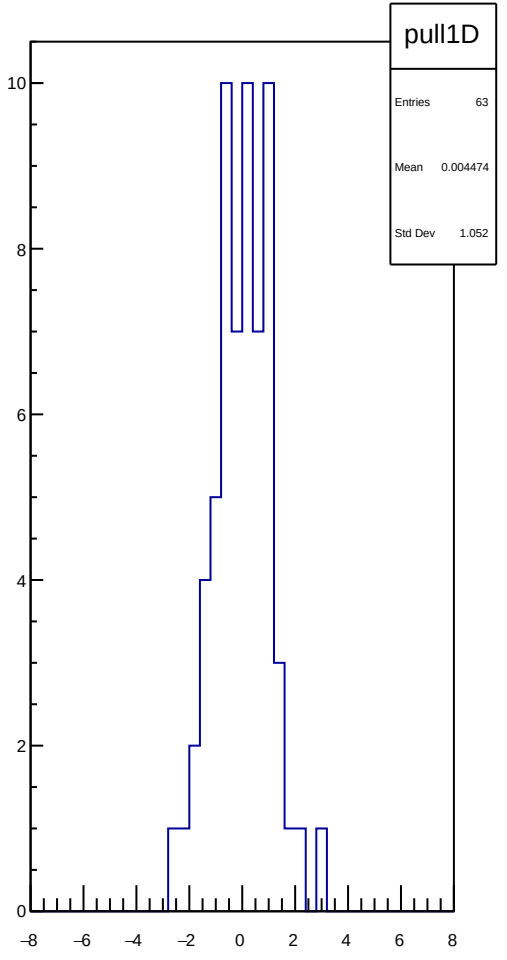

asym_sam7_reg_correction_rms vs run
χ² / ndf 5358 / 62
p0 317.3 ± 0.289
600
550
500
450
400
350
300

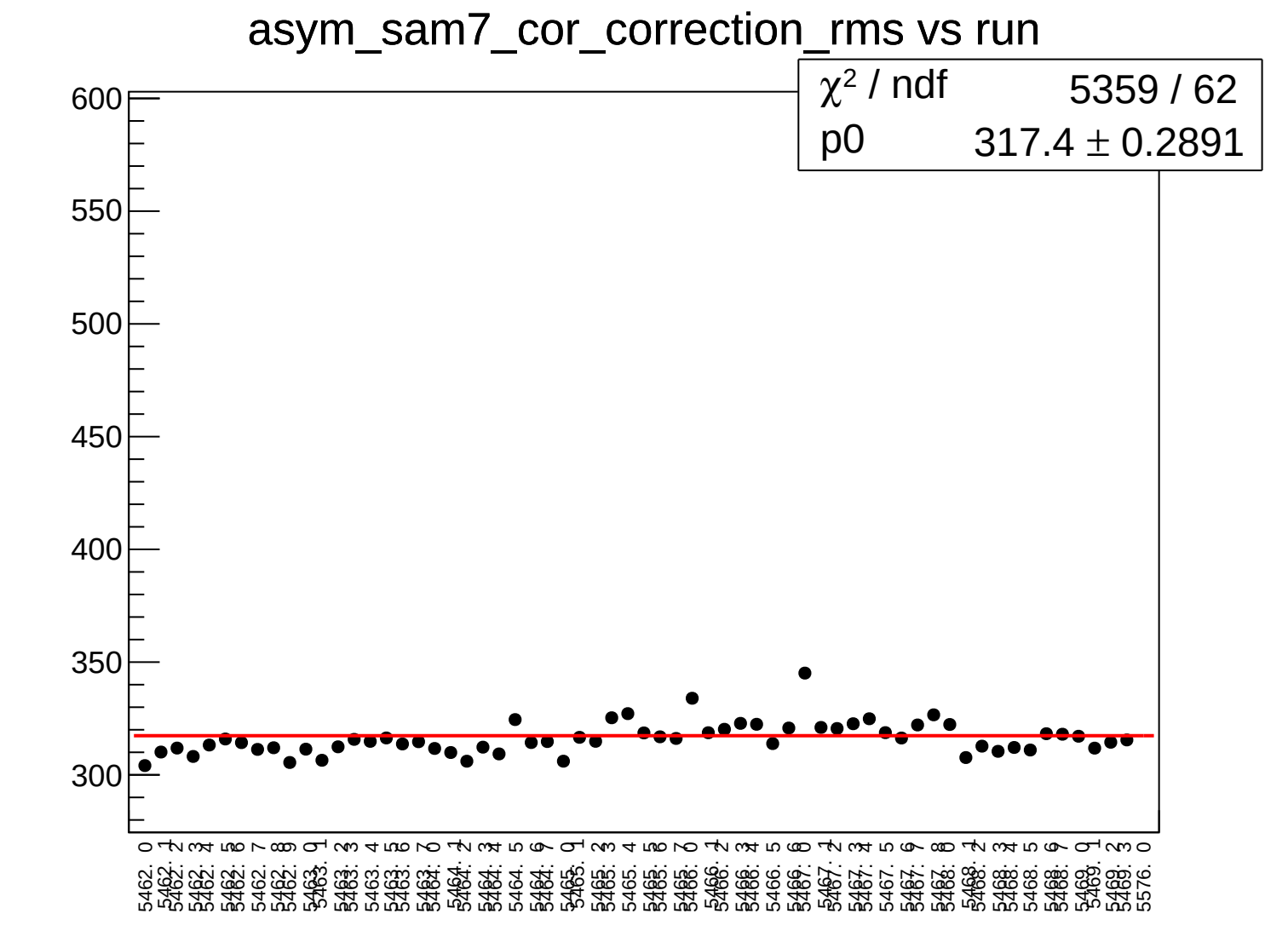

cor_asym_sam7_mean vs run
χ² / ndf 27.5 / 62
p0 −181 ± 176.6
pull
Entries 63
Mean 65.14
Std Dev 0

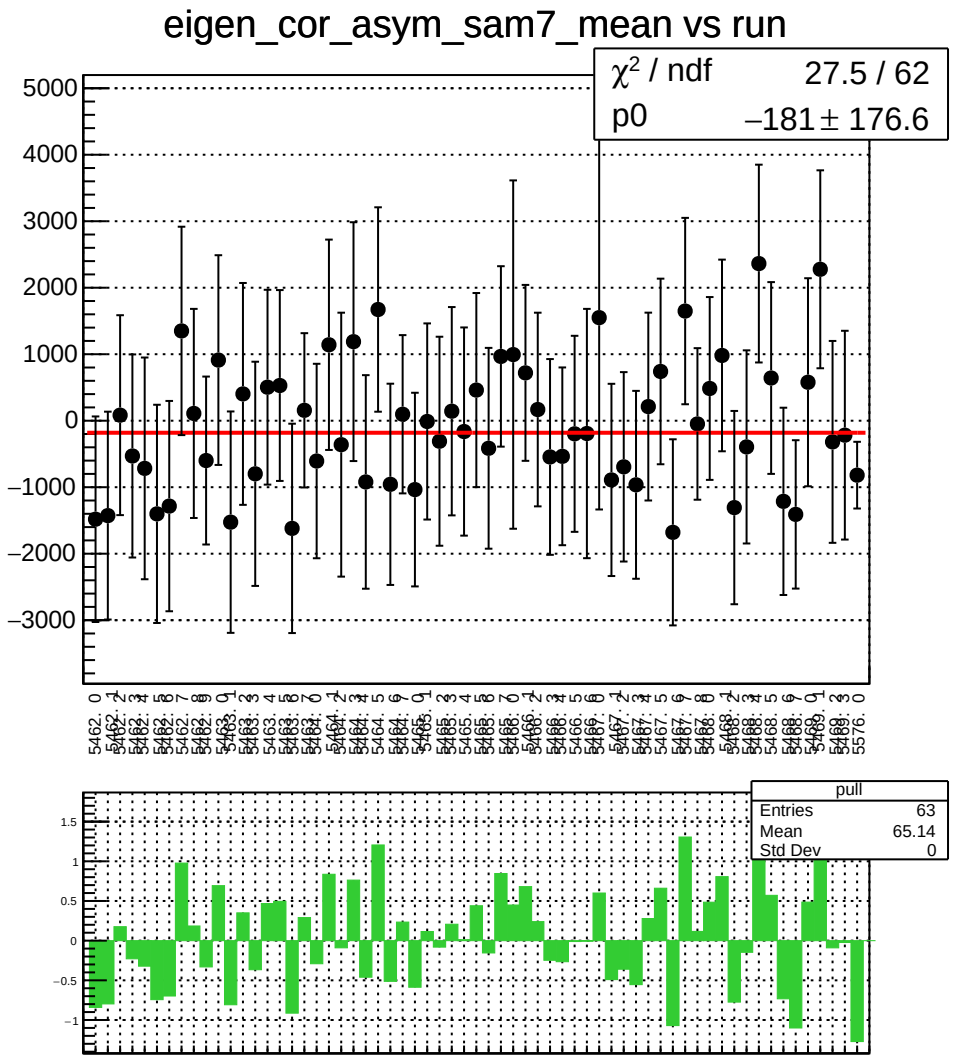

pull1D
Entries 63
Mean 0.04702
Std Dev 0.6591

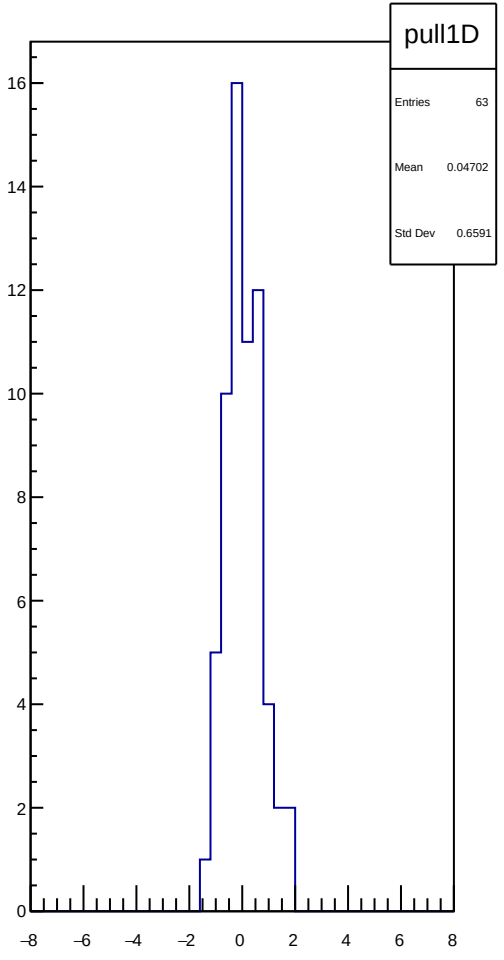

cor_asym_sam7_rms vs run
χ² / ndf 6.92e+04 / 62
p0 133.4 ± 0.1249
250
200
150
100
50

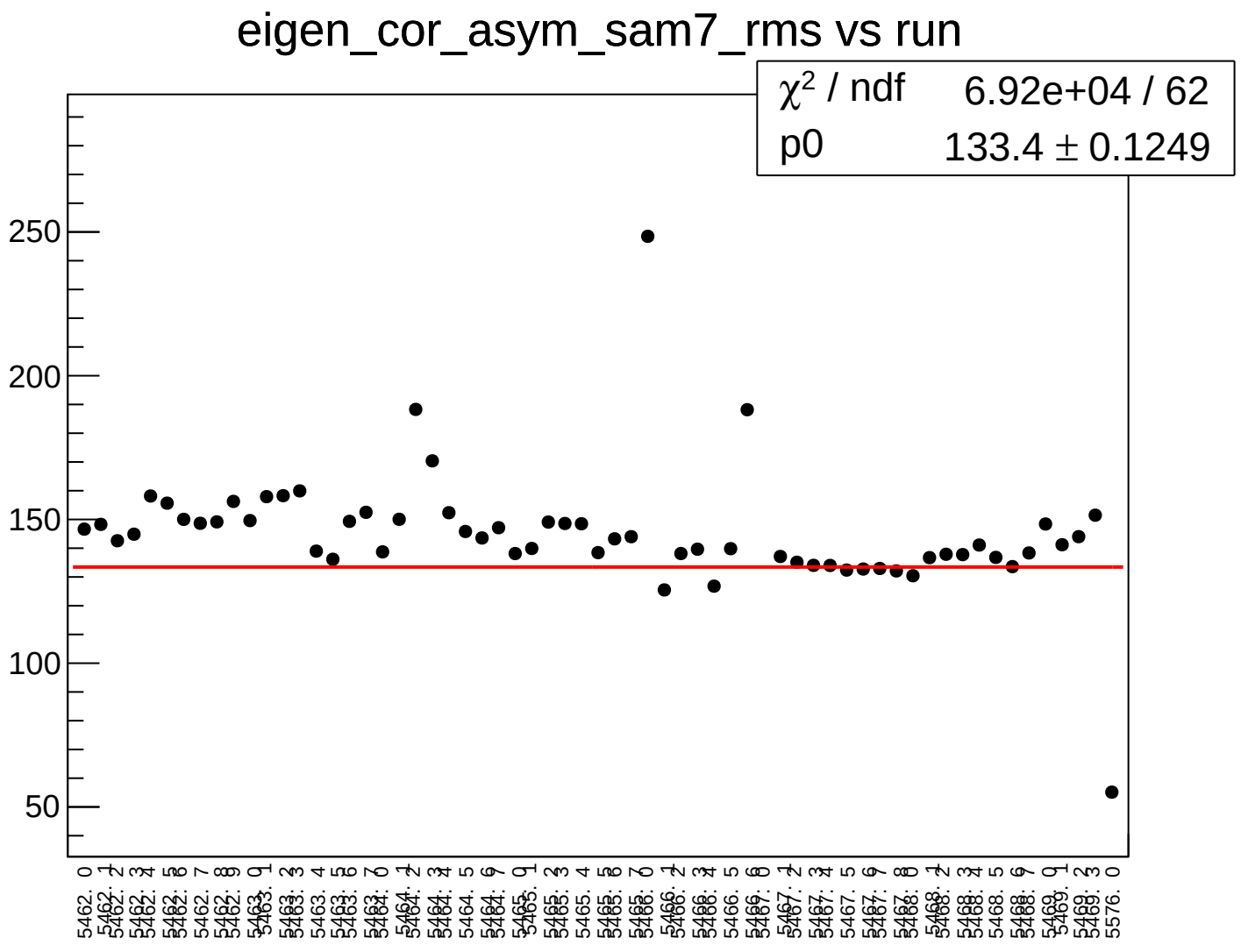

asym_sam7_cor_correction_mean vs run
χ² / ndf 69.78 / 62
p0 279 ± 408.8
pull
Entries 63
Mean 12.15
Std Dev 0

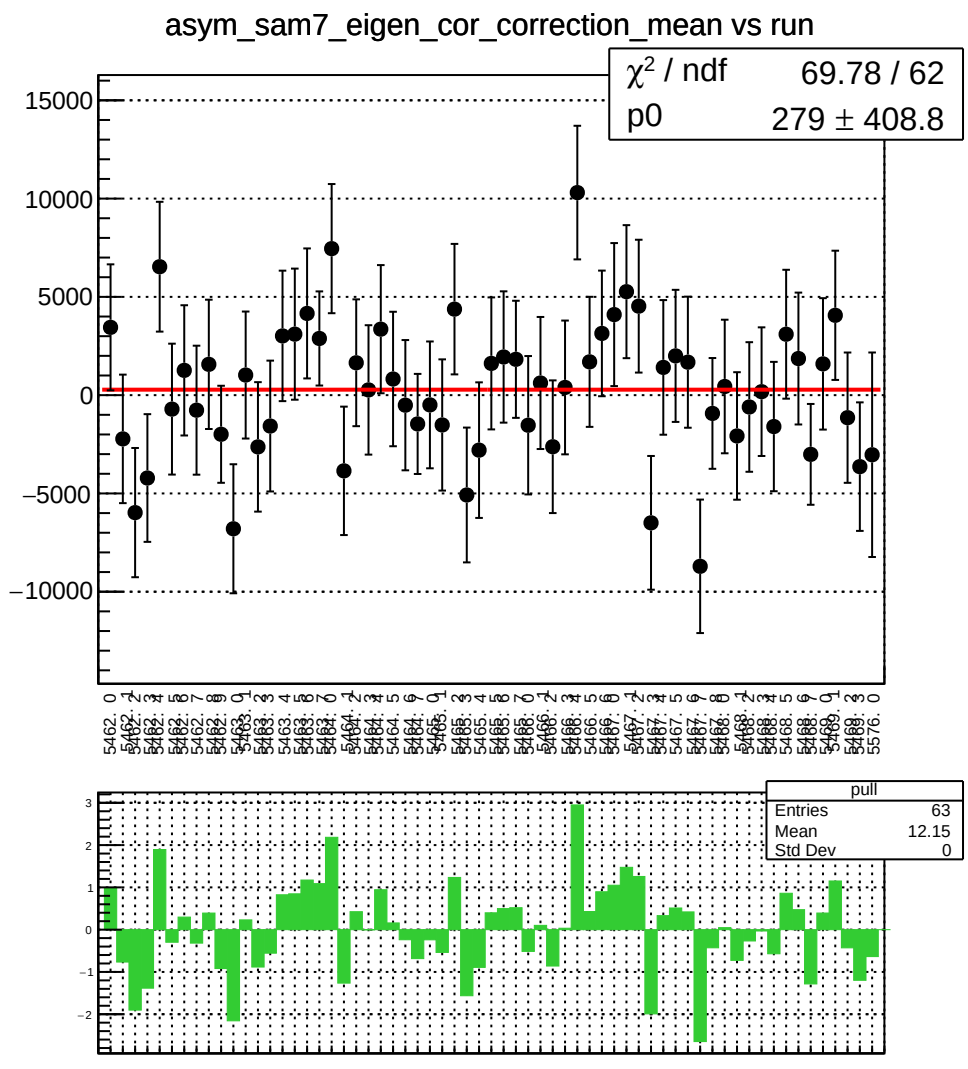

pull1D
Entries 63
Mean 0.004474
Std Dev 1.052

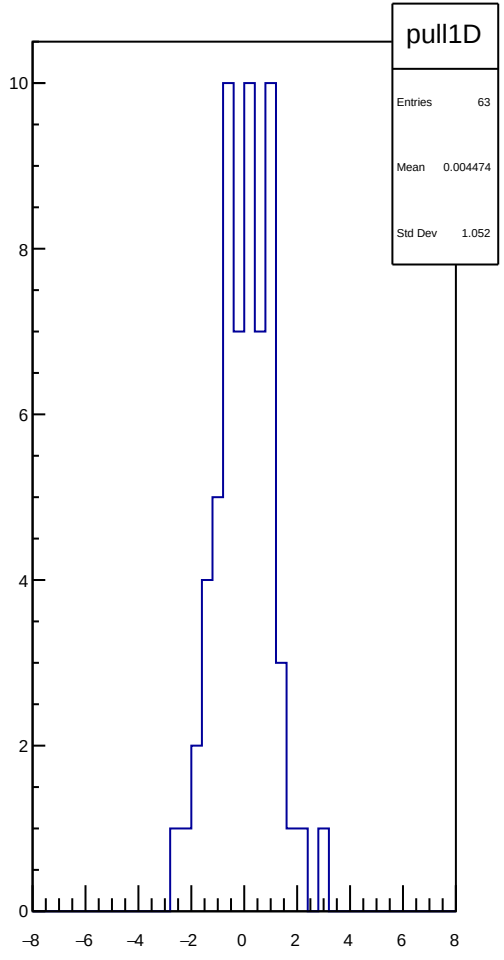

asym_sam7_cor_correction_rms vs run
χ² / ndf 5359 / 62
p0 317.4 ± 0.2891
600
550
500
450
400
350
300
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

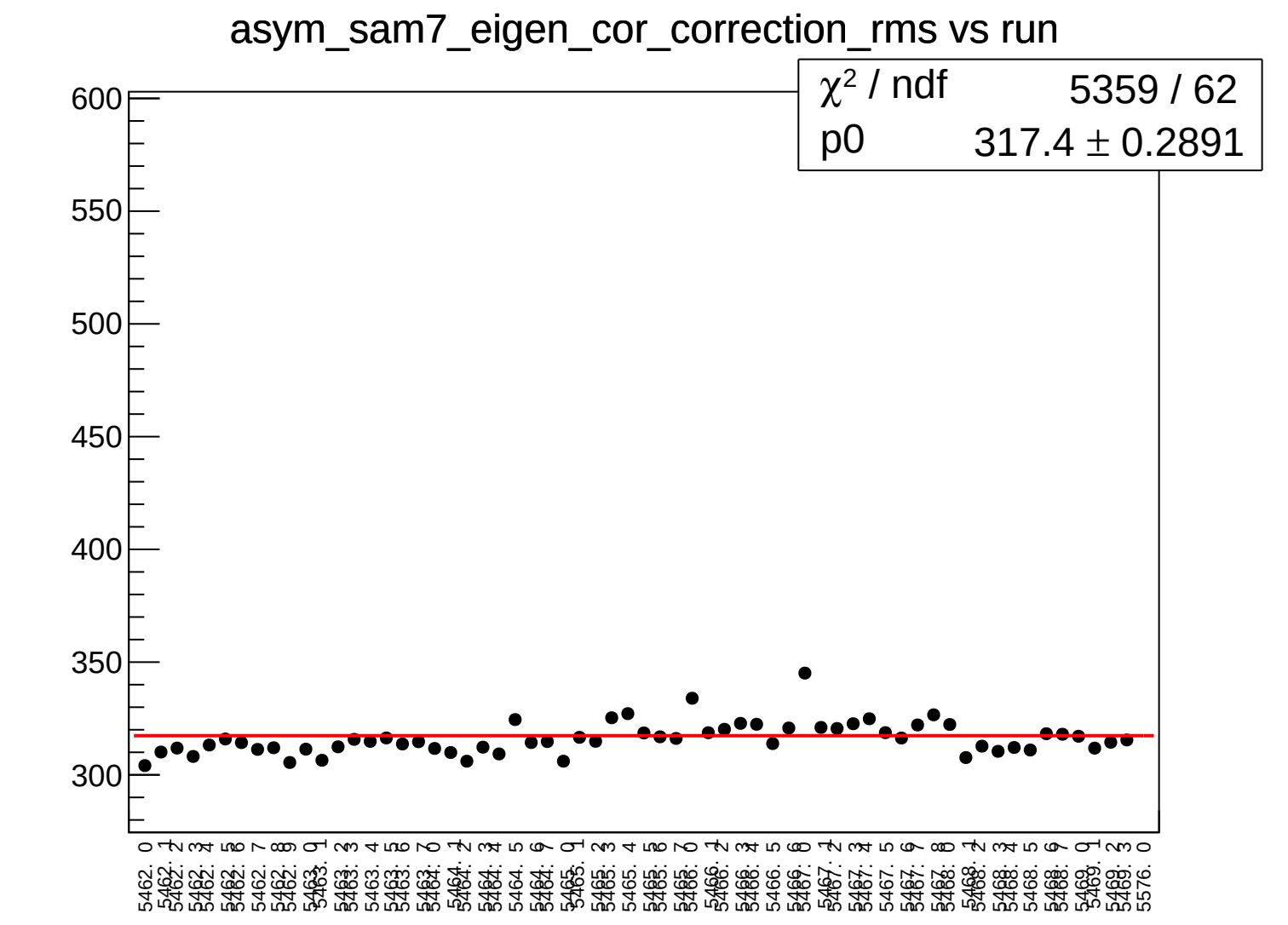

eigen_cor_asym_sam7_mean vs run
χ² / ndf 27.5 / 62
p0 −181 ± 176.6
pull
Entries 63
Mean 65.14
Std Dev 0

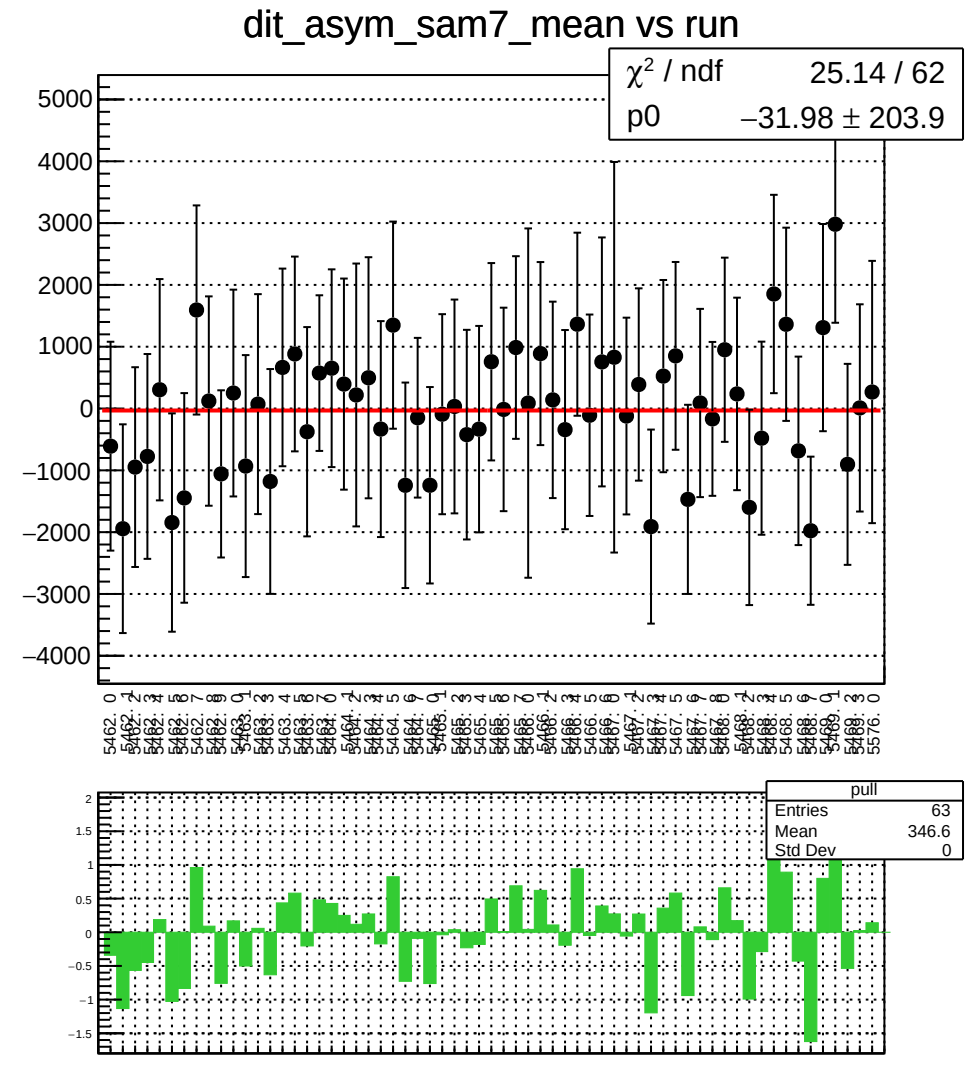

pull1D
Entries 63
Mean 0.04702
Std Dev 0.6591

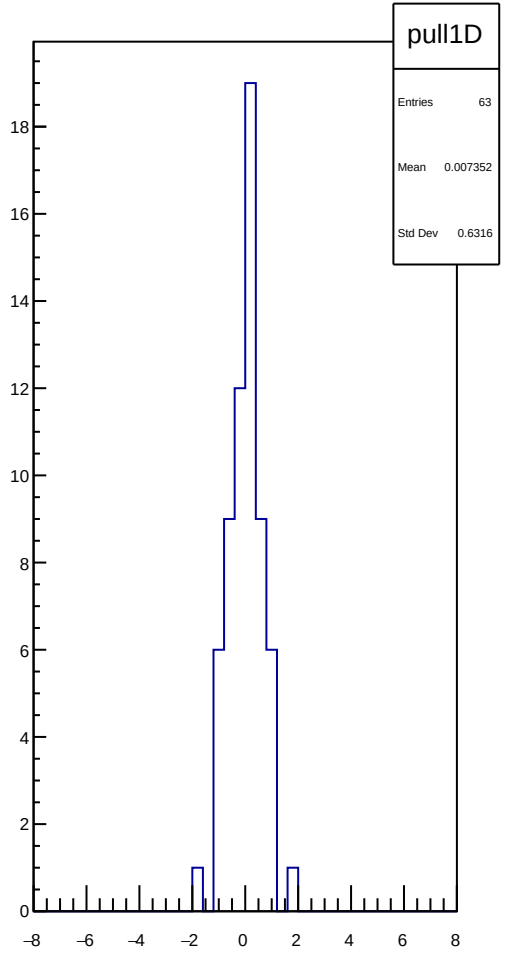

eigen_cor_asym_sam7_rms vs run
χ² / ndf 6.92e+04 / 62
p0 133.4 ± 0.1249
250
200
150
100
50

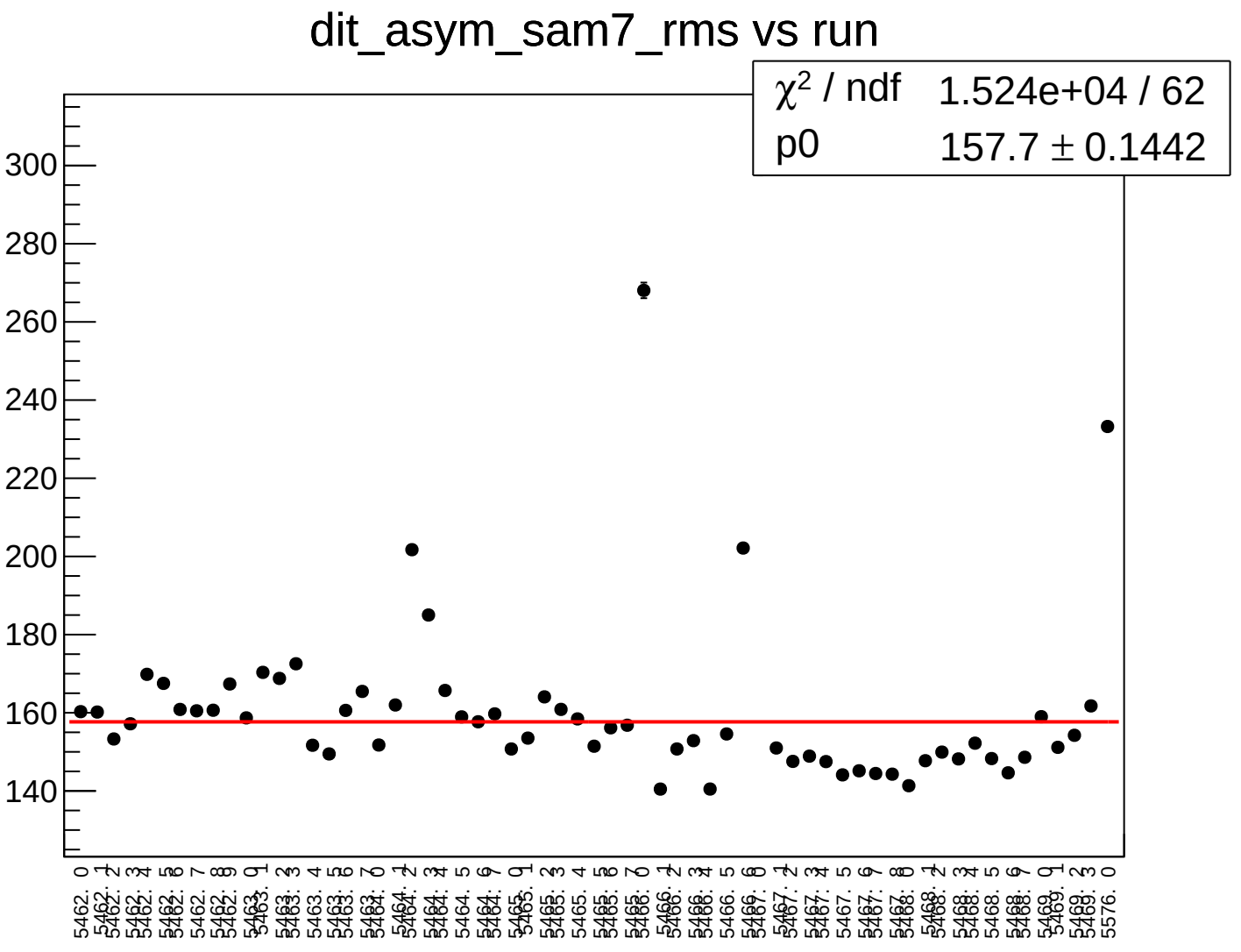

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 69.78 / 62
p0 279 ± 408.8
pull
Entries 63
Mean 12.15
Std Dev 0

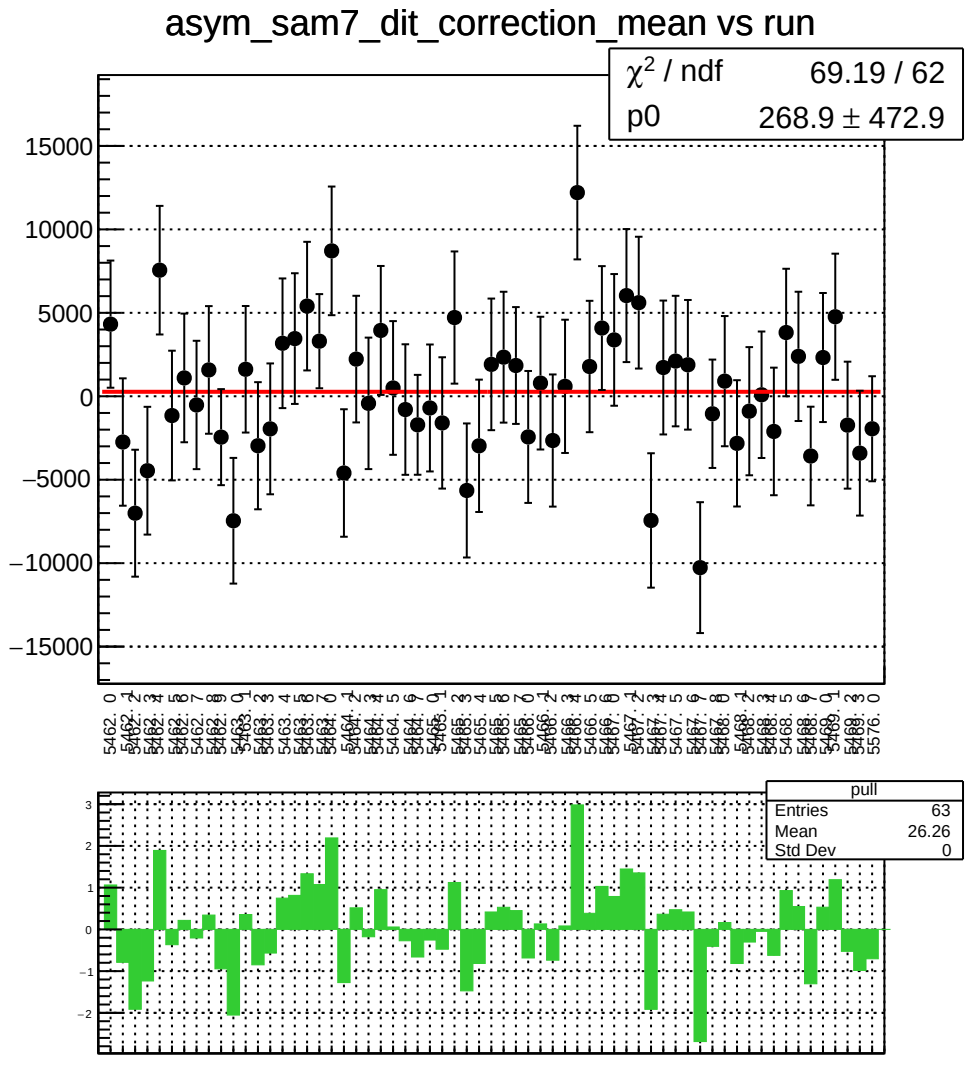

pull1D
Entries 63
Mean 0.004474
Std Dev 1.052

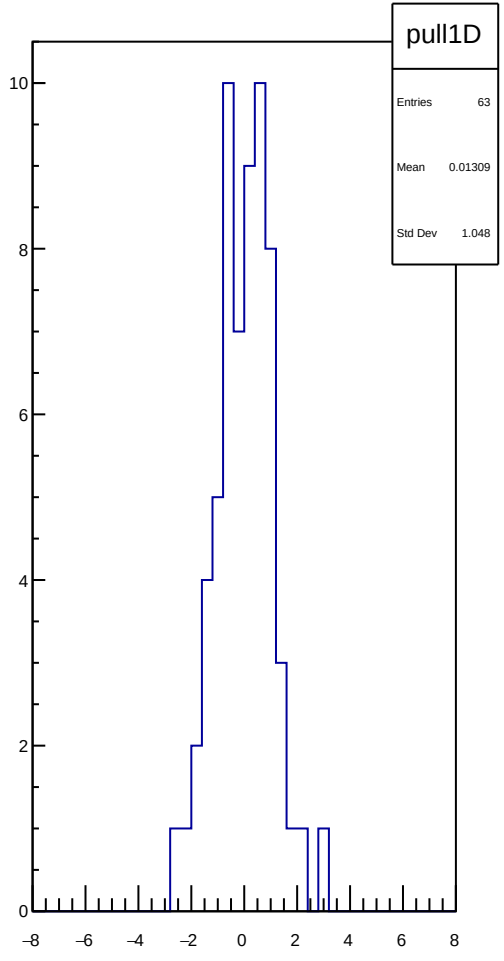

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 5359 / 62
p0 317.4 ± 0.2891
600
550
500
450
400
350
300
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

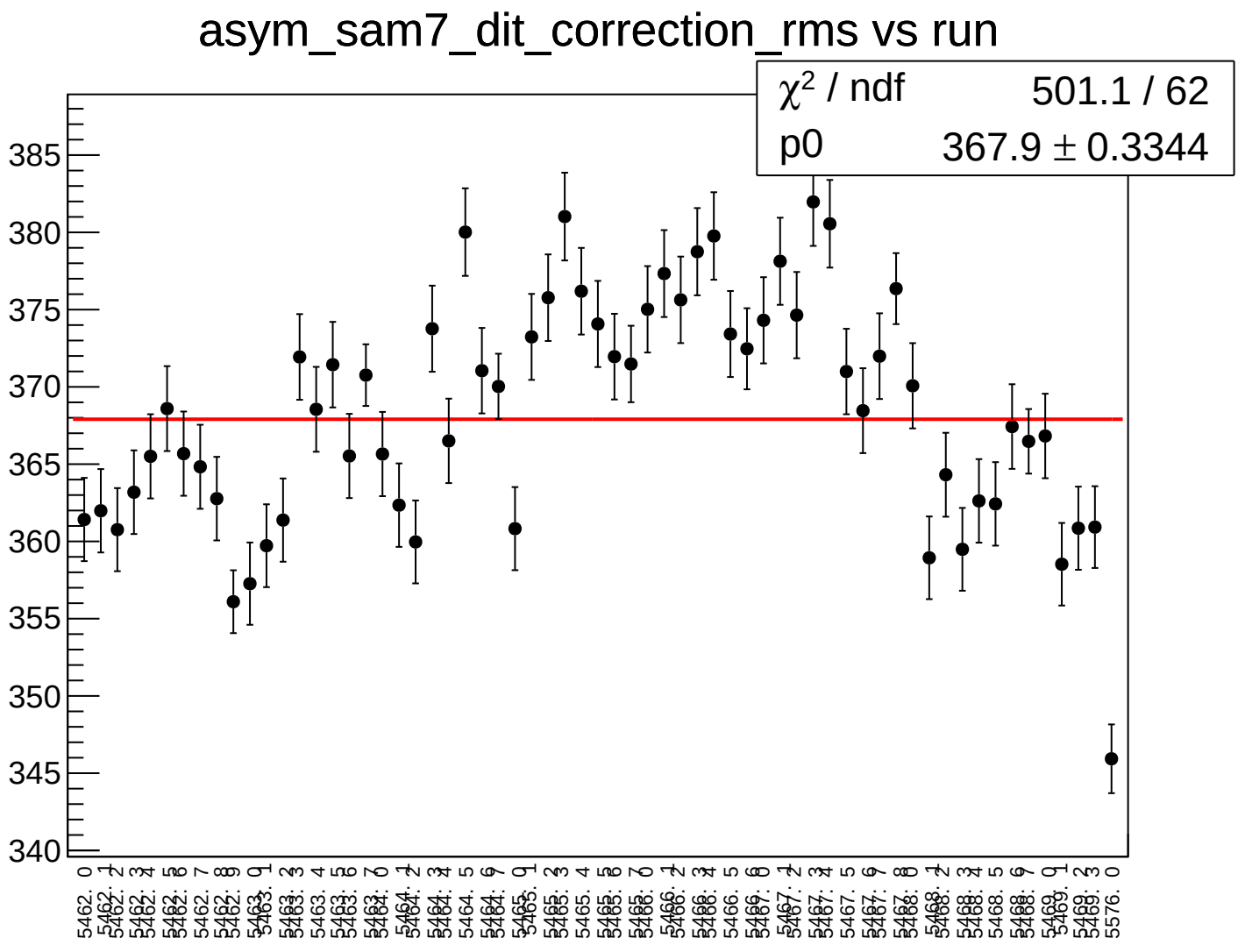

dit_asym_sam7_mean vs run
χ² / ndf 25.14 / 62
p0 −31.98 ± 203.9
pull
Entries 63
Mean 346.6
Std Dev 0

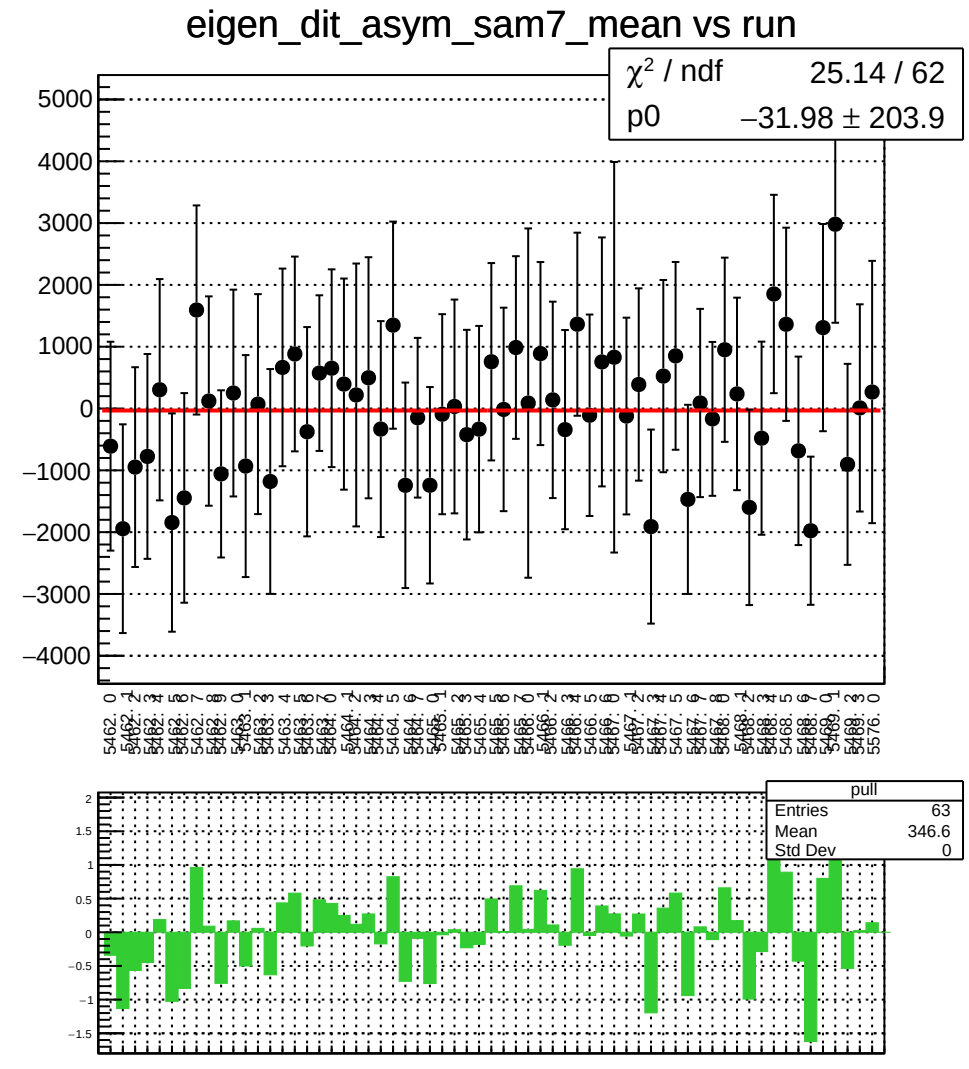

pull1D
Entries 63
Mean 0.007352
Std Dev 0.6316

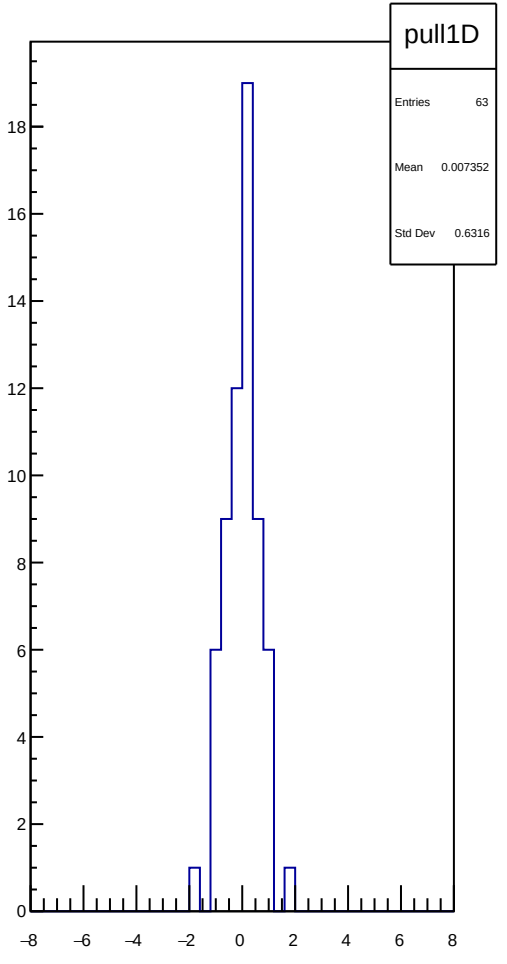

dit_asym_sam7_rms vs run
χ² / ndf 1.524e+04 / 62
p0 157.7 ± 0.1442
300
280
260
240
220
200
180
160
140

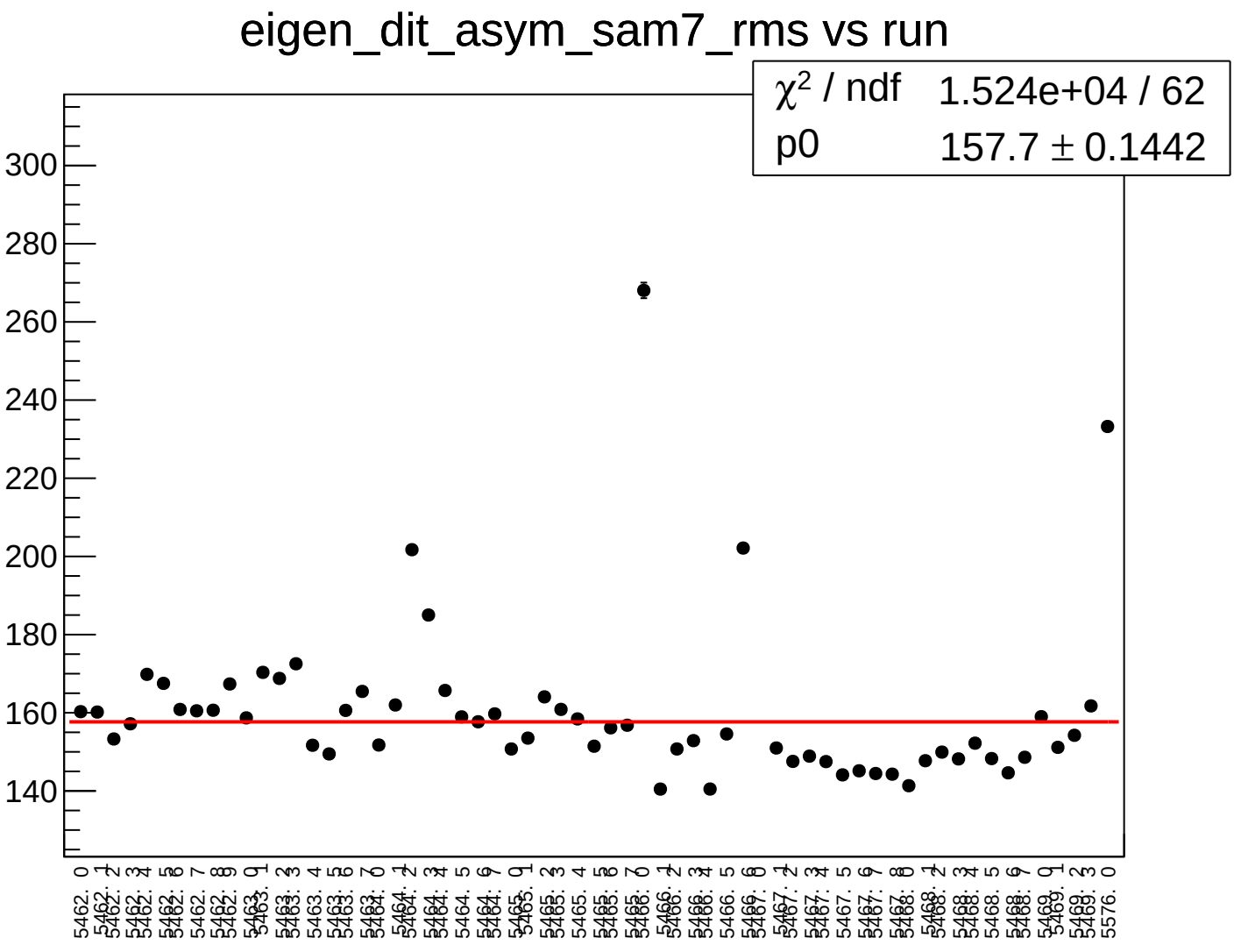

asym_sam7_dit_correction_mean vs run
χ² / ndf 69.19 / 62
p0 268.9 ± 472.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 26.26
Std Dev 0
3
2
1
0
−1
−2

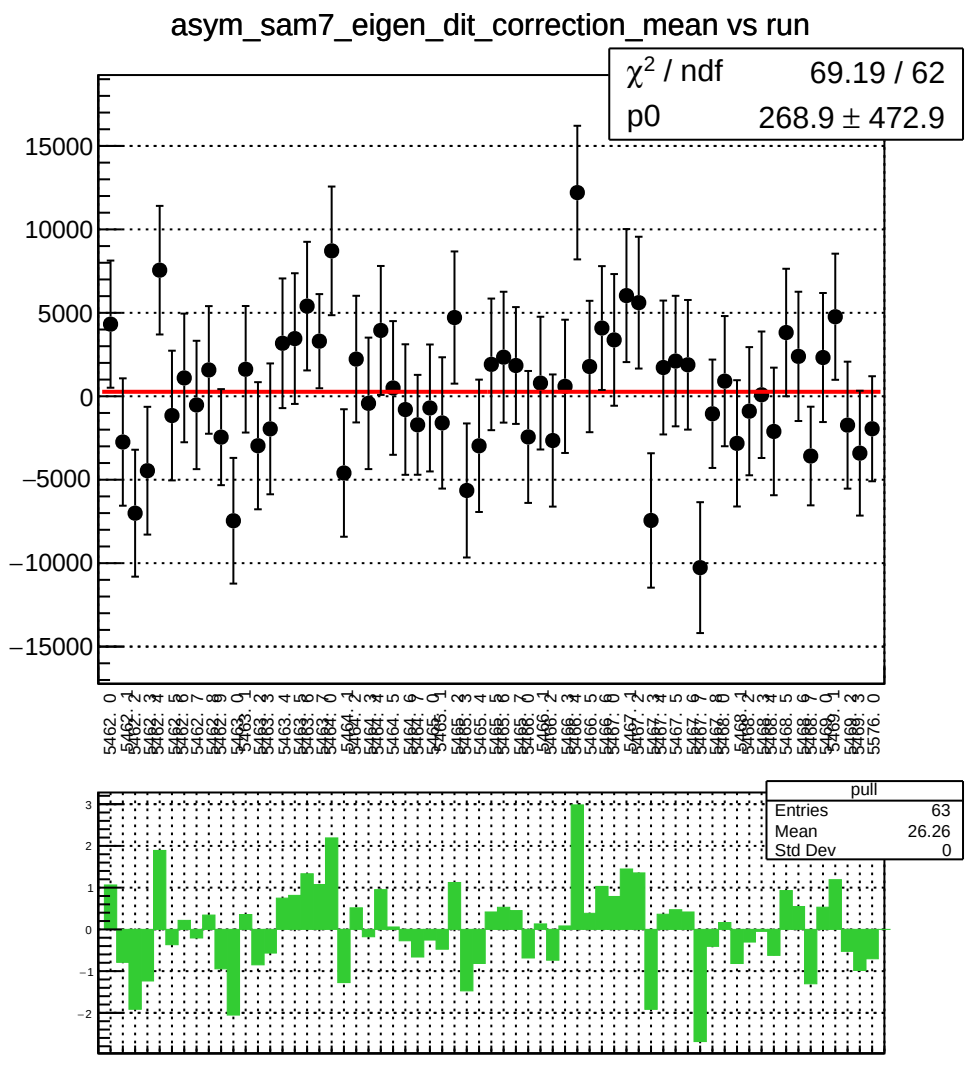

pull1D
Entries 63
Mean 0.01309
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

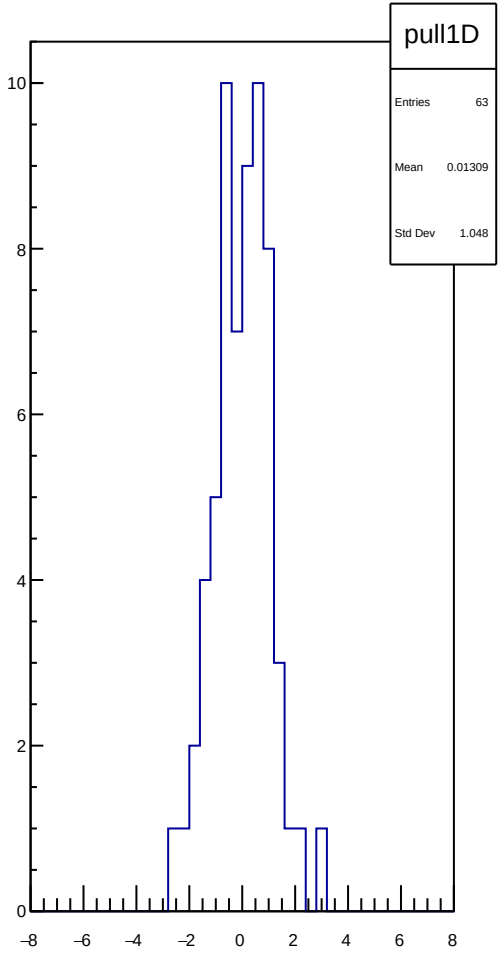

asym_sam7_dit_correction_rms vs run
χ² / ndf 501.1 / 62
p0 367.9 ± 0.3344
385
380
375
370
365
360
355
350
345
340

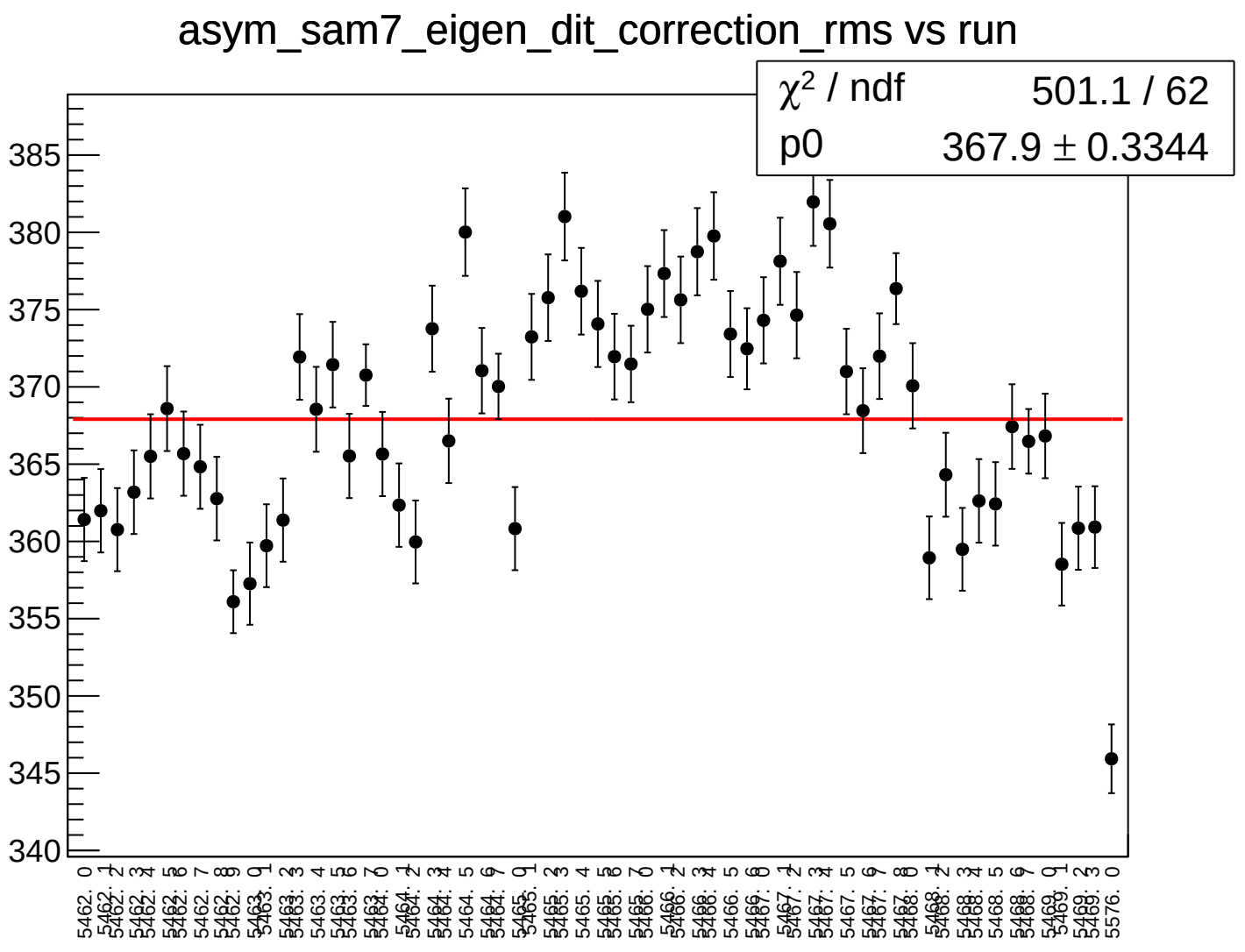

eigen_dit_asym_sam7_mean vs run
χ² / ndf 25.14 / 62
p0 −31.98 ± 203.9
pull
Entries 63
Mean 346.6
Std Dev 0

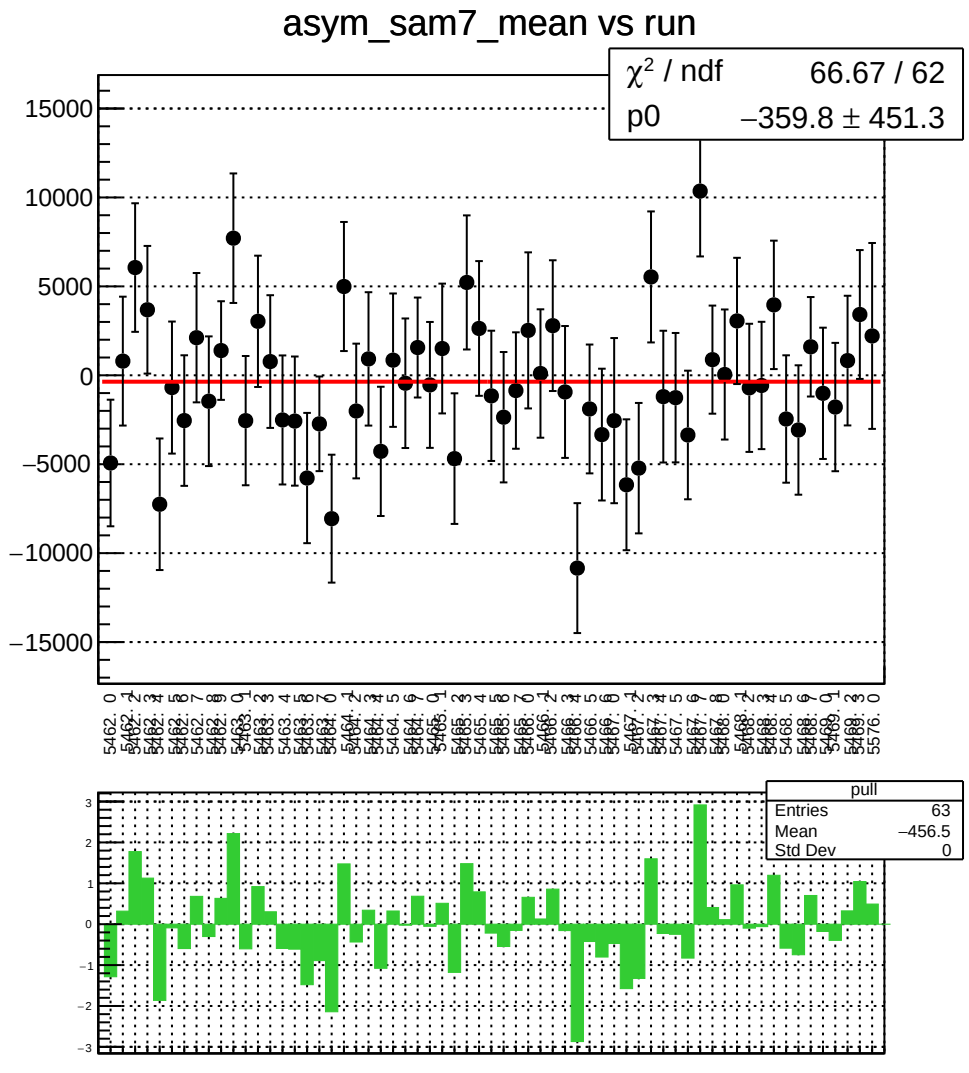

pull1D
Entries 63
Mean 0.007352
Std Dev 0.6316

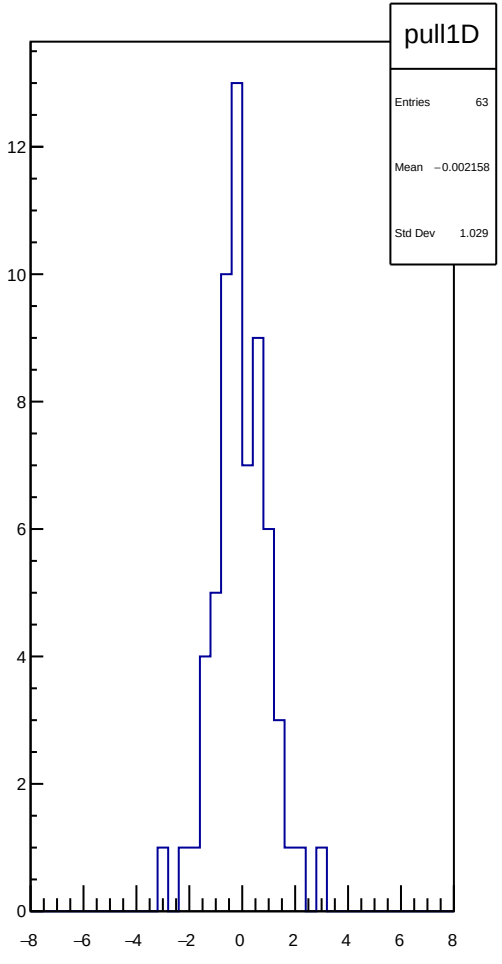

eigen_dit_asym_sam7_rms vs run
χ² / ndf 1.524e+04 / 62
p0 157.7 ± 0.1442
300
280
260
240
220
200
180
160
140

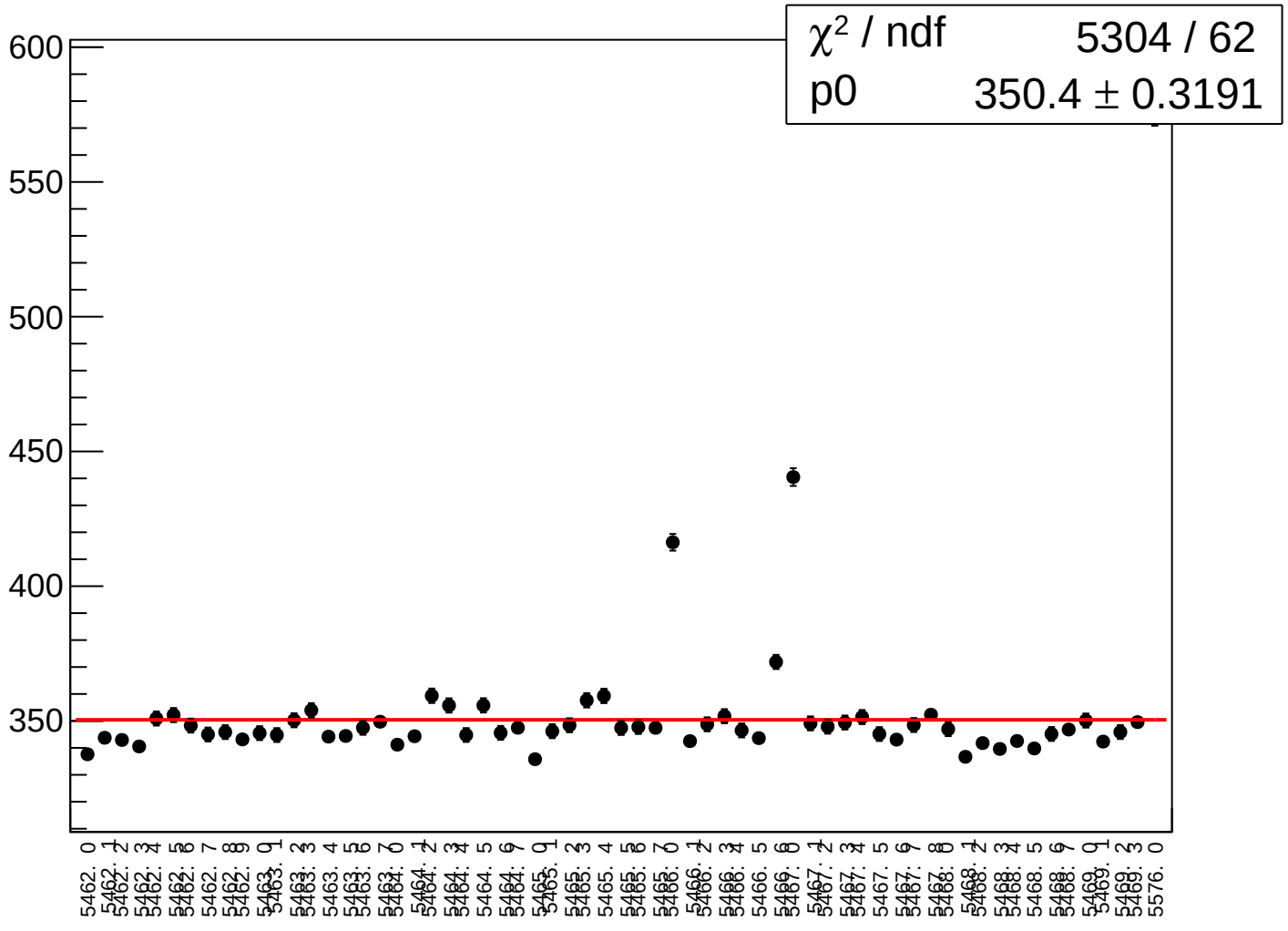

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 69.19 / 62
p0 268.9 ± 472.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean 26.26
Std Dev 0
3
2
1
0
−1
−2

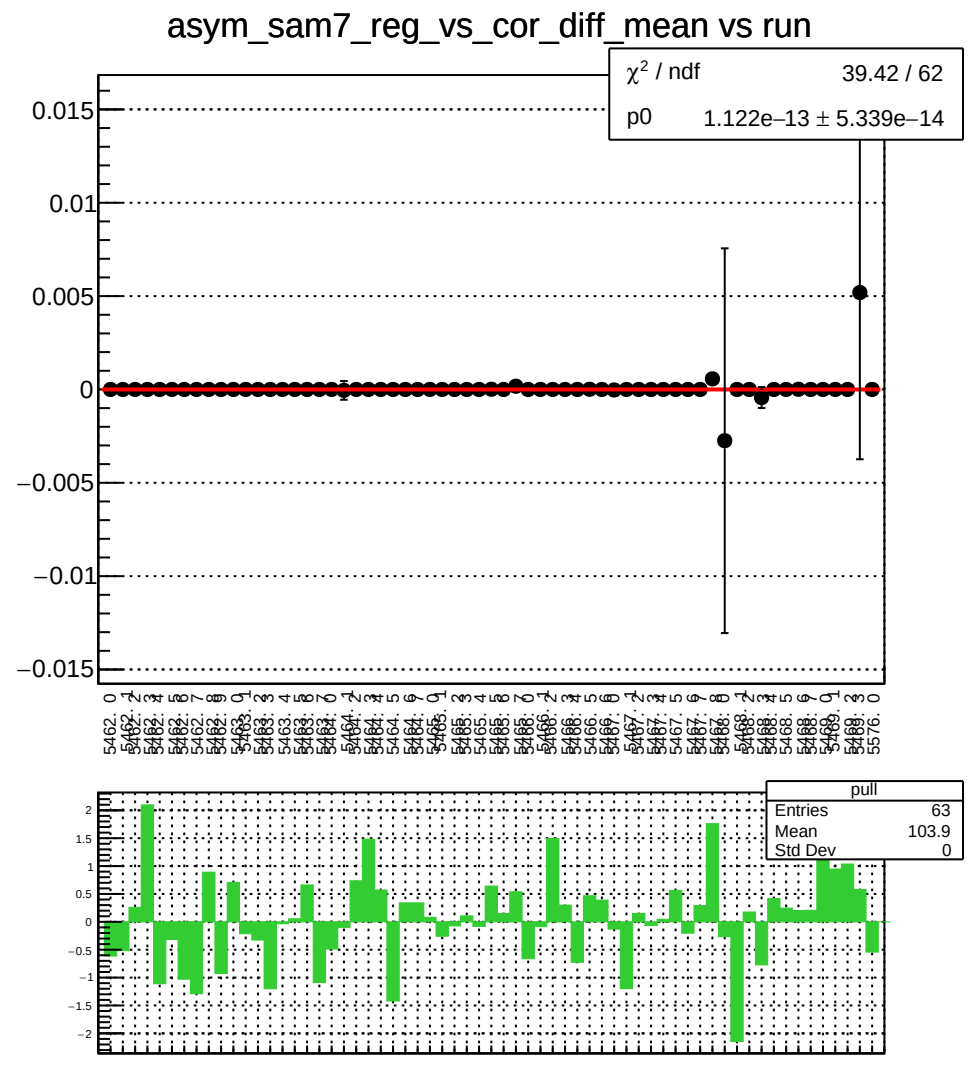

pull1D
Entries 63
Mean 0.01309
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

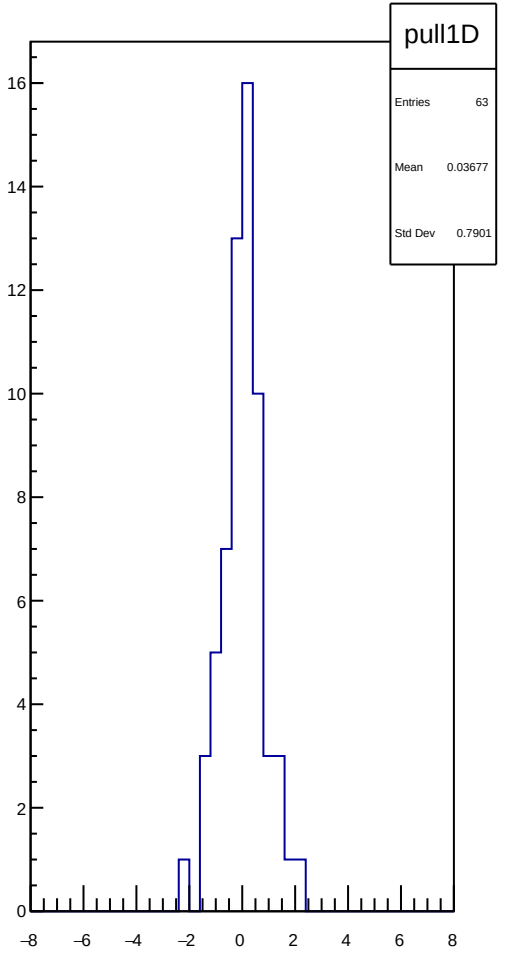

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 501.1 / 62
p0 367.9 ± 0.3344
385
380
375
370
365
360
355
350
345
340

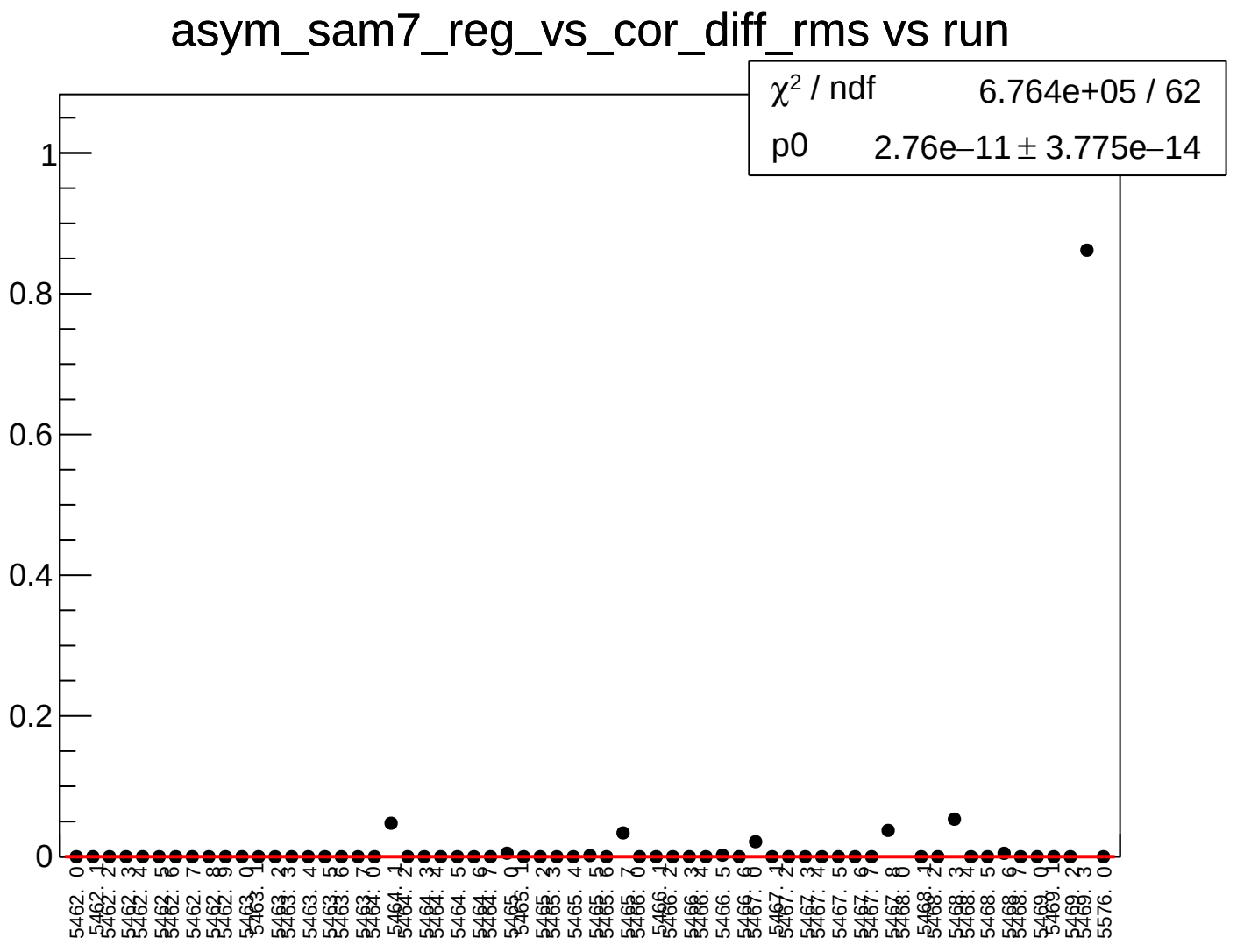

asym_sam7_mean vs run
χ² / ndf 66.67 / 62
p0 −359.8 ± 451.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 63
Mean −456.5
Std Dev 0
3
2
1
0
−1
−2
−3

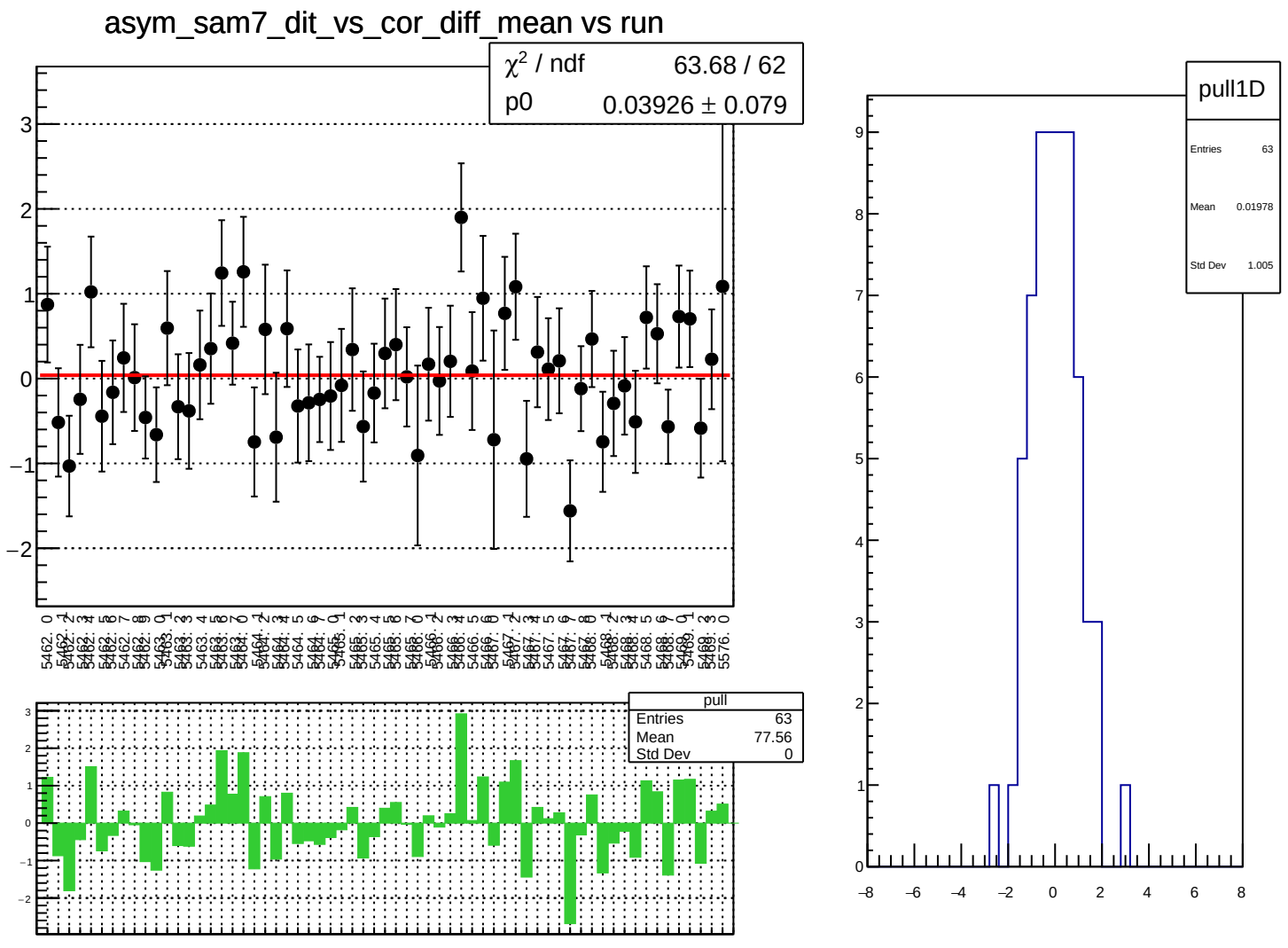

pull1D
Entries 63
Mean −0.002158
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

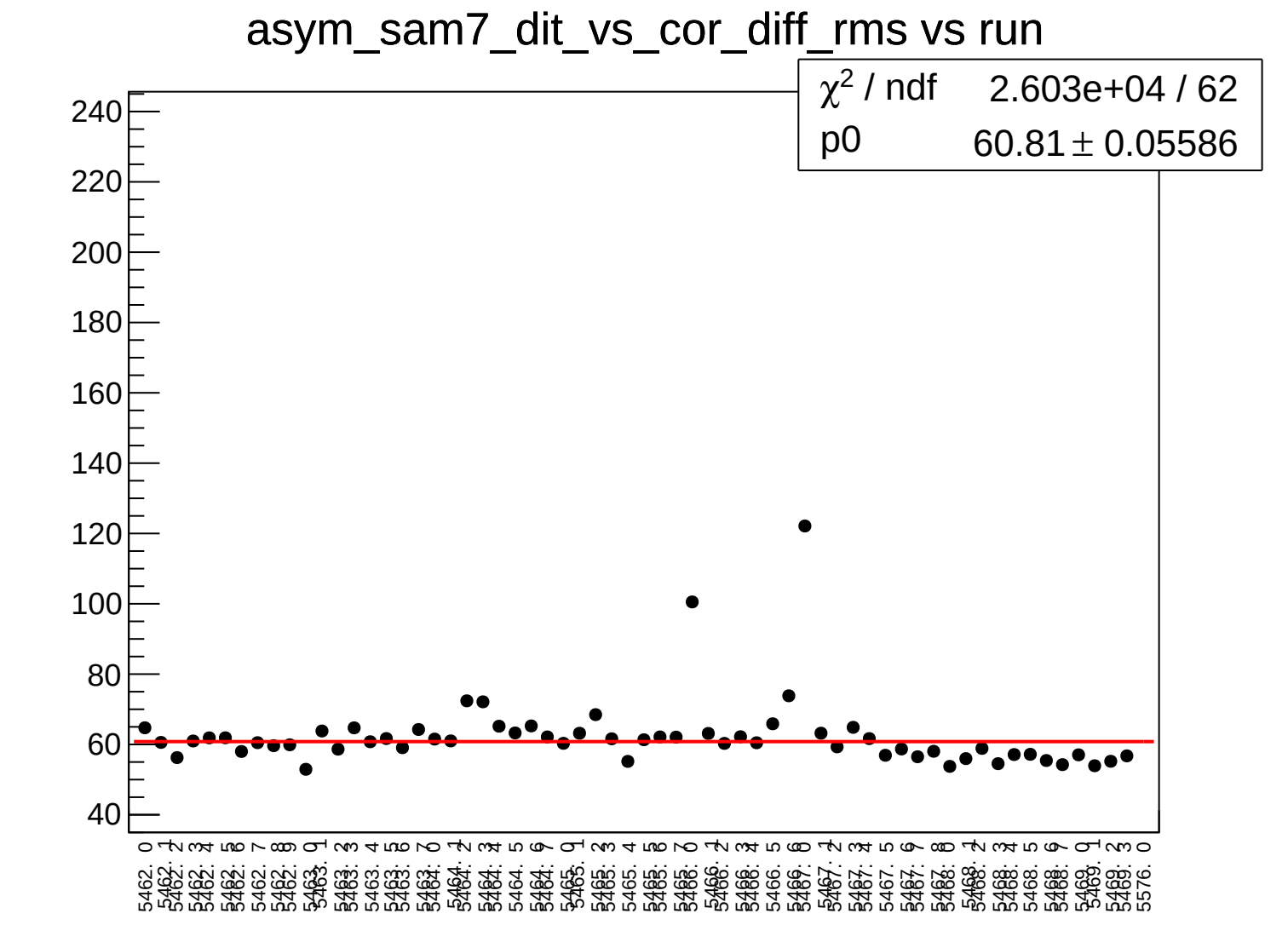

asym_sam7_rms vs run
χ² / ndf 5304 / 62
p0 350.4 ± 0.3191
600
550
500
450
400
350

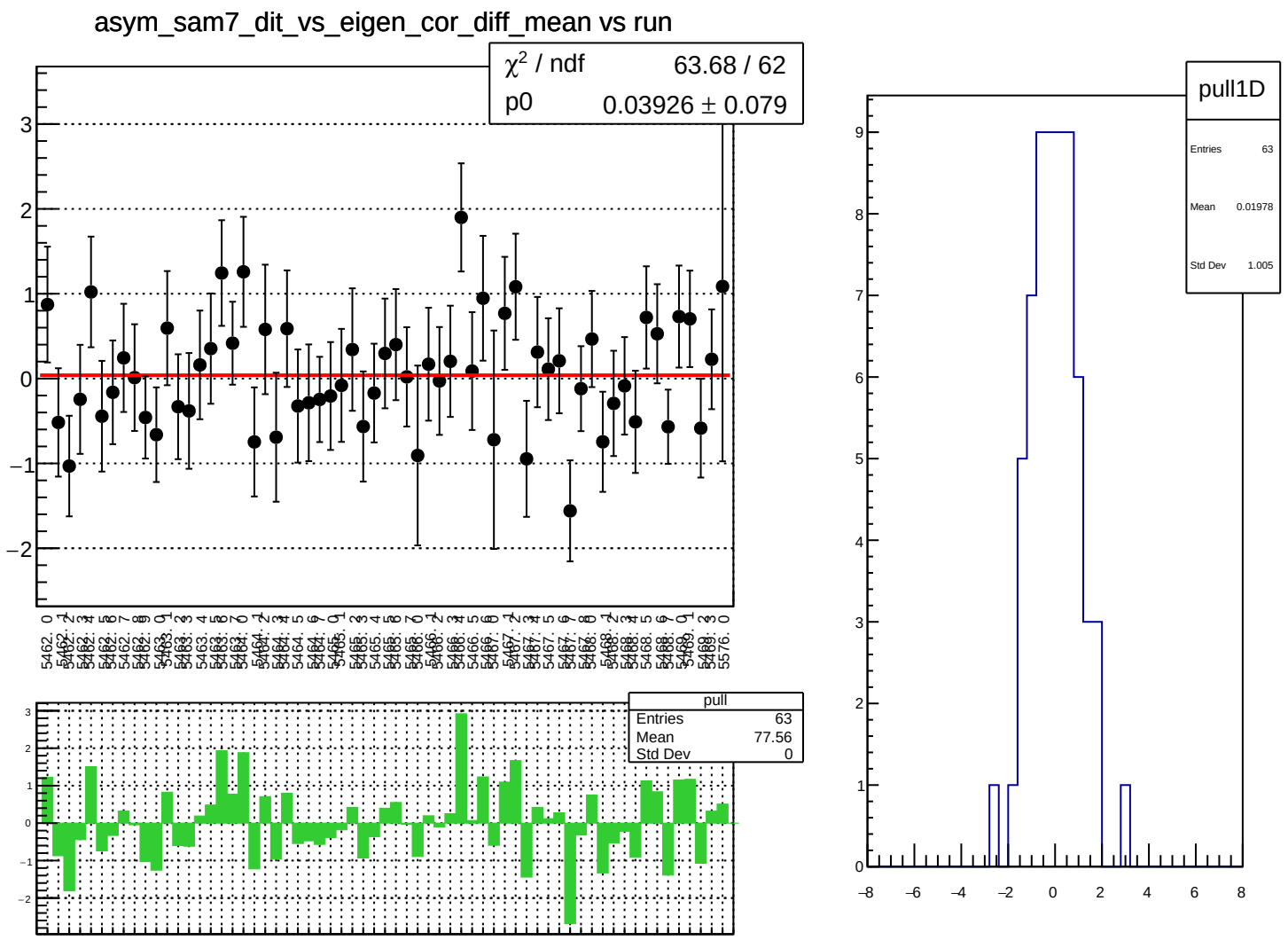

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 39.42 / 62
p0 1.122e−13 ± 5.339e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 63
Mean 103.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

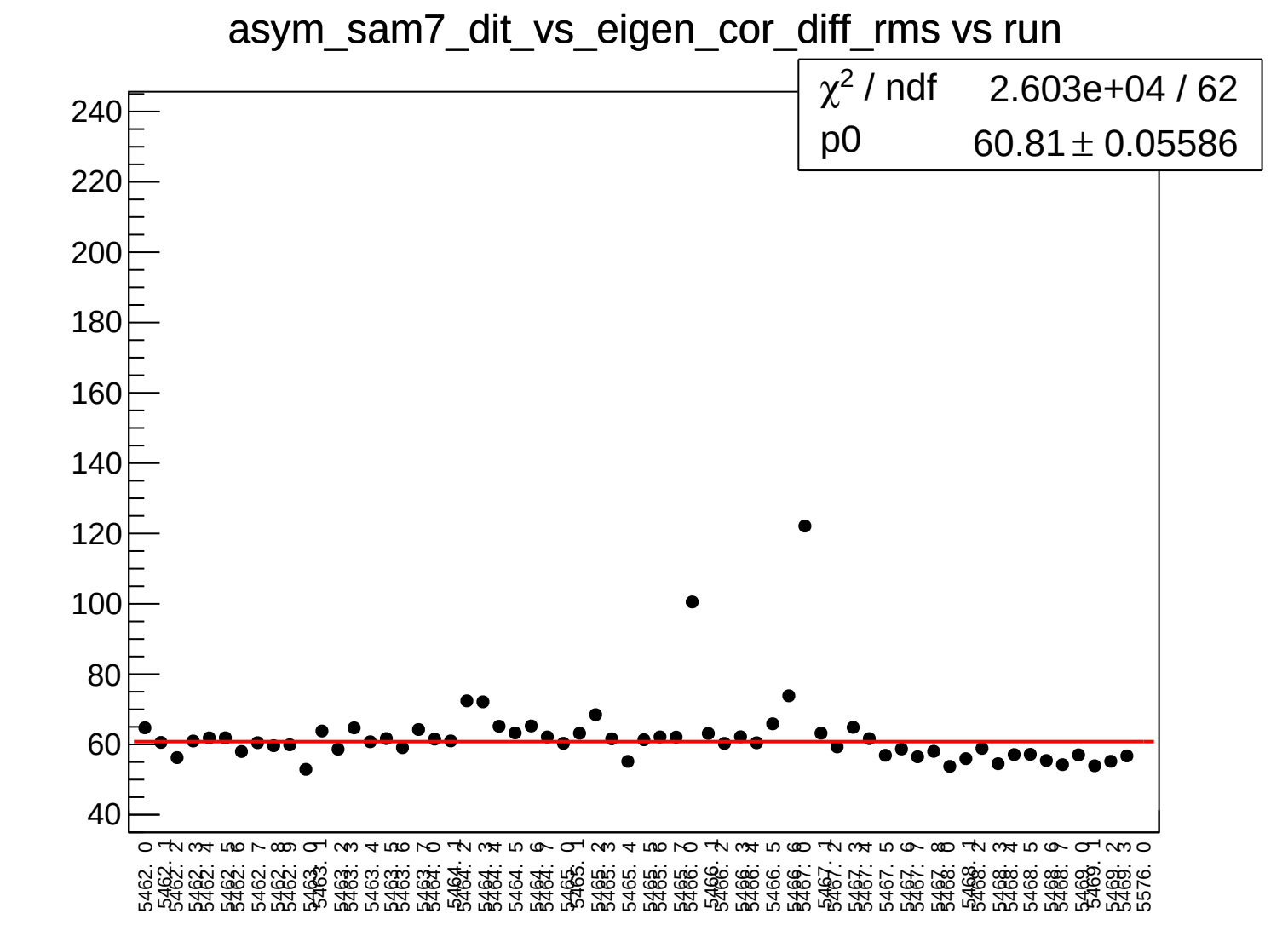

pull1D
Entries 63
Mean 0.03677
Std Dev 0.7901
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

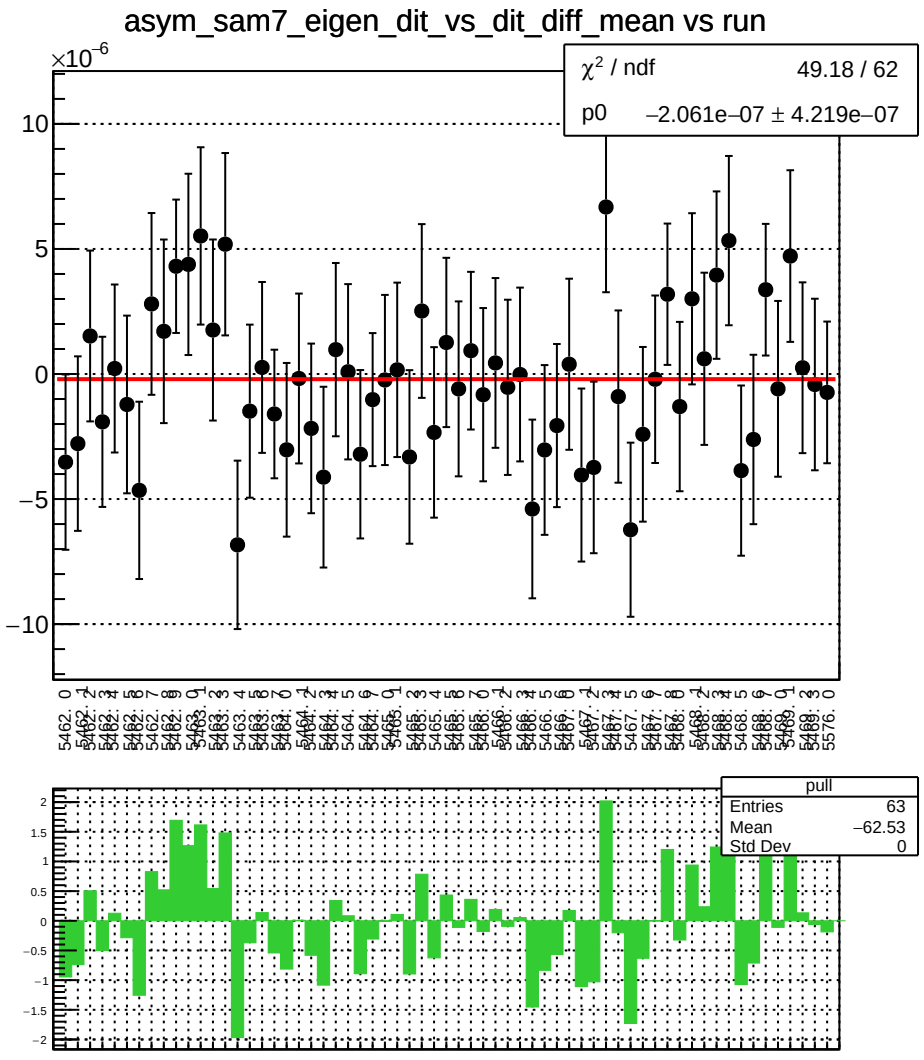

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.764e+05 / 62
p0 2.76e−11 ± 3.775e−14
1
0.8
0.6
0.4
0.2
0

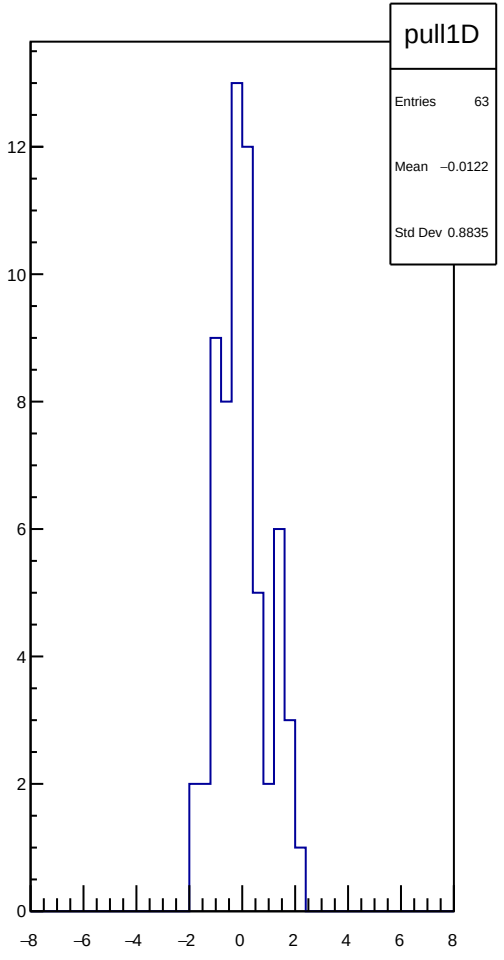

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 63.68 / 62
p0 0.03926 ± 0.079
pull
Entries 63
Mean 77.56
Std Dev 0
pull1D
Entries 63
Mean 0.01978
Std Dev 1.005

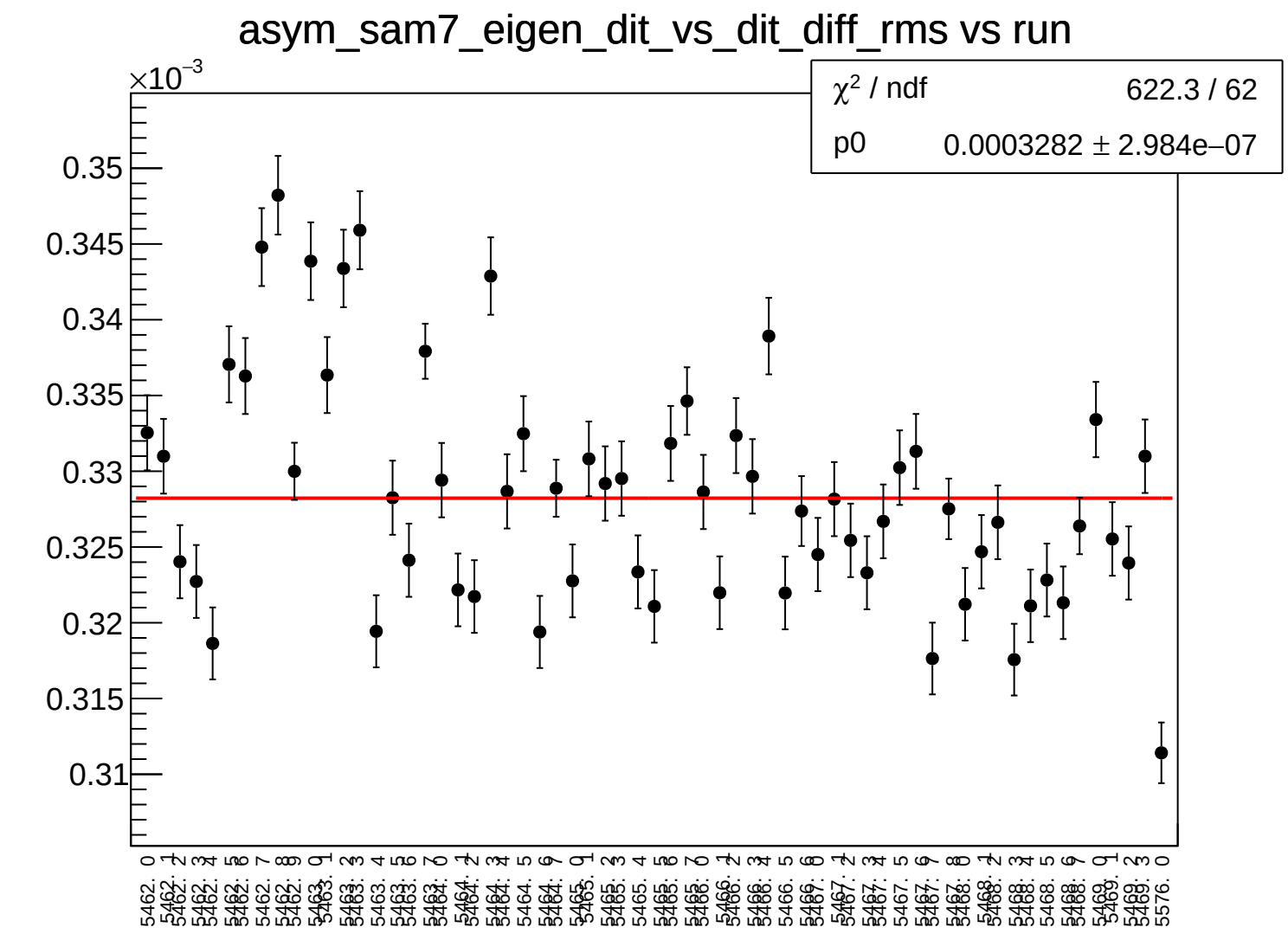

asym_sam7_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.603e+04 / 62
p0 60.81 ± 0.05586
240
220
200
180
160
140
120
100
80
60
40

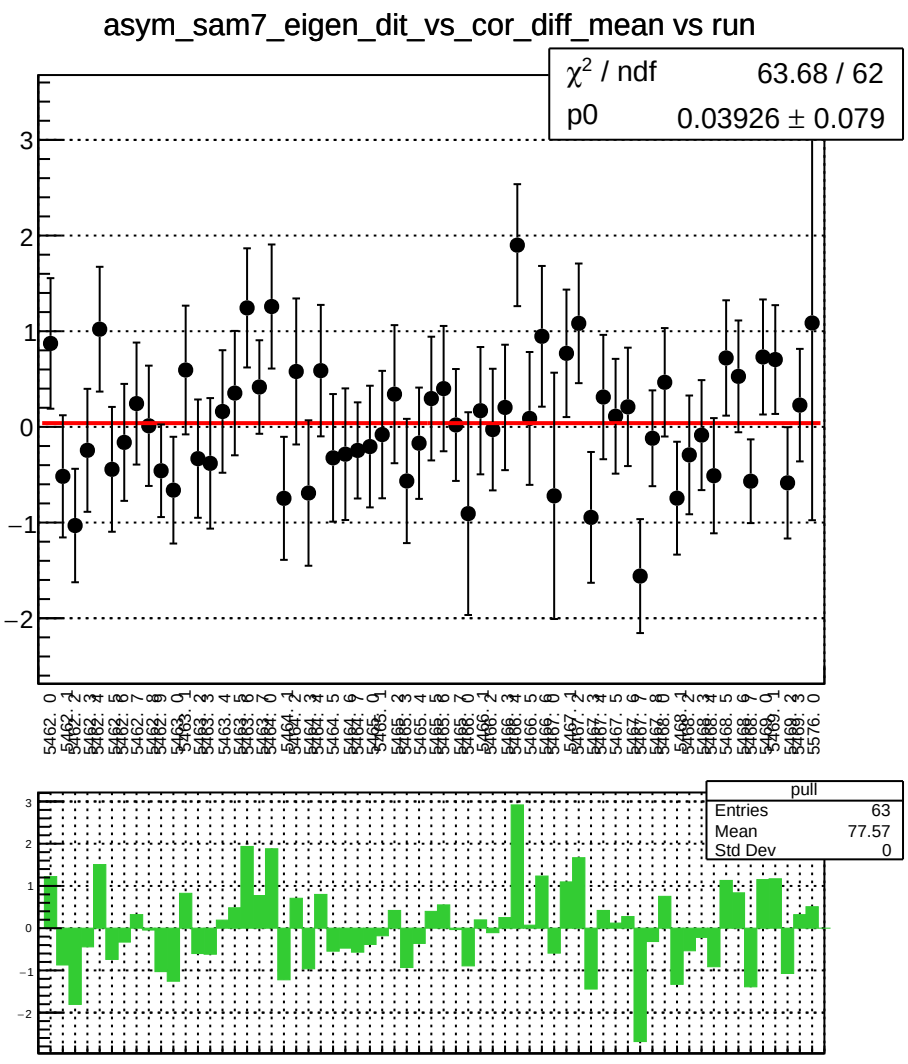

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.68 / 62
p0 0.03926 ± 0.079
pull
Entries 63
Mean 77.56
Std Dev 0
pull1D
Entries 63
Mean 0.01978
Std Dev 1.005

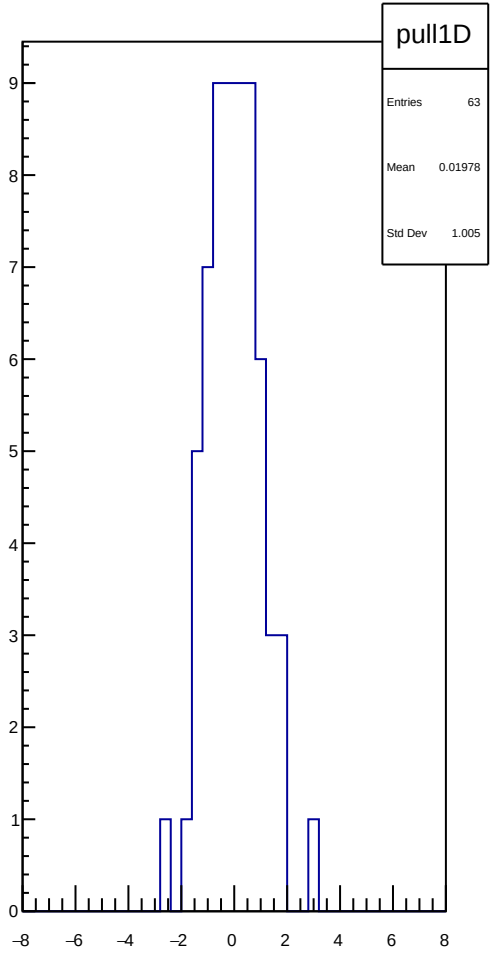

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.603e+04 / 62
p0 60.81 ± 0.05586
240
220
200
180
160
140
120
100
80
60
40

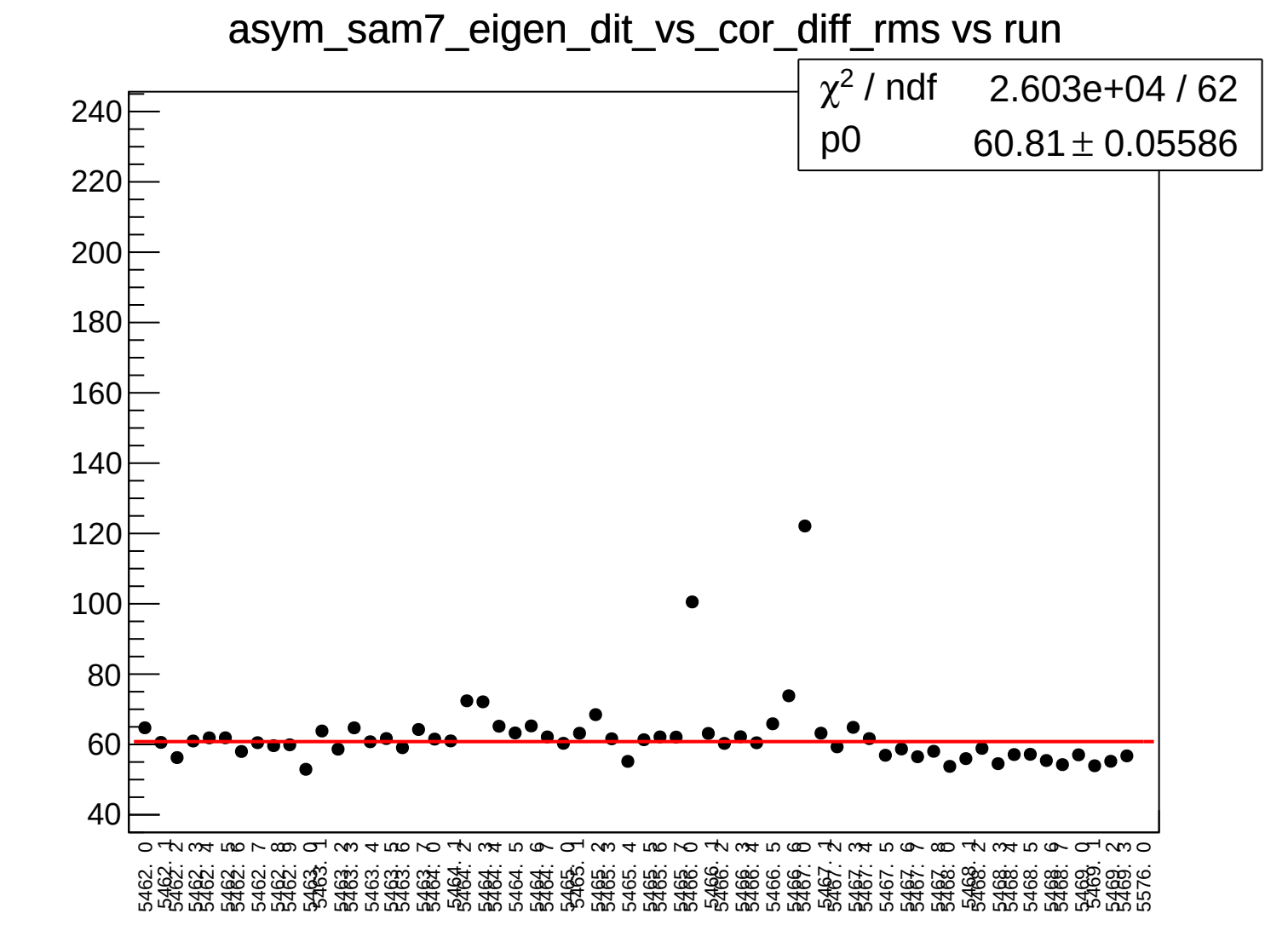

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 49.18 / 62
p0 −2.061e−07 ± 4.219e−07
pull
Entries 63
Mean −62.53
Std Dev 0

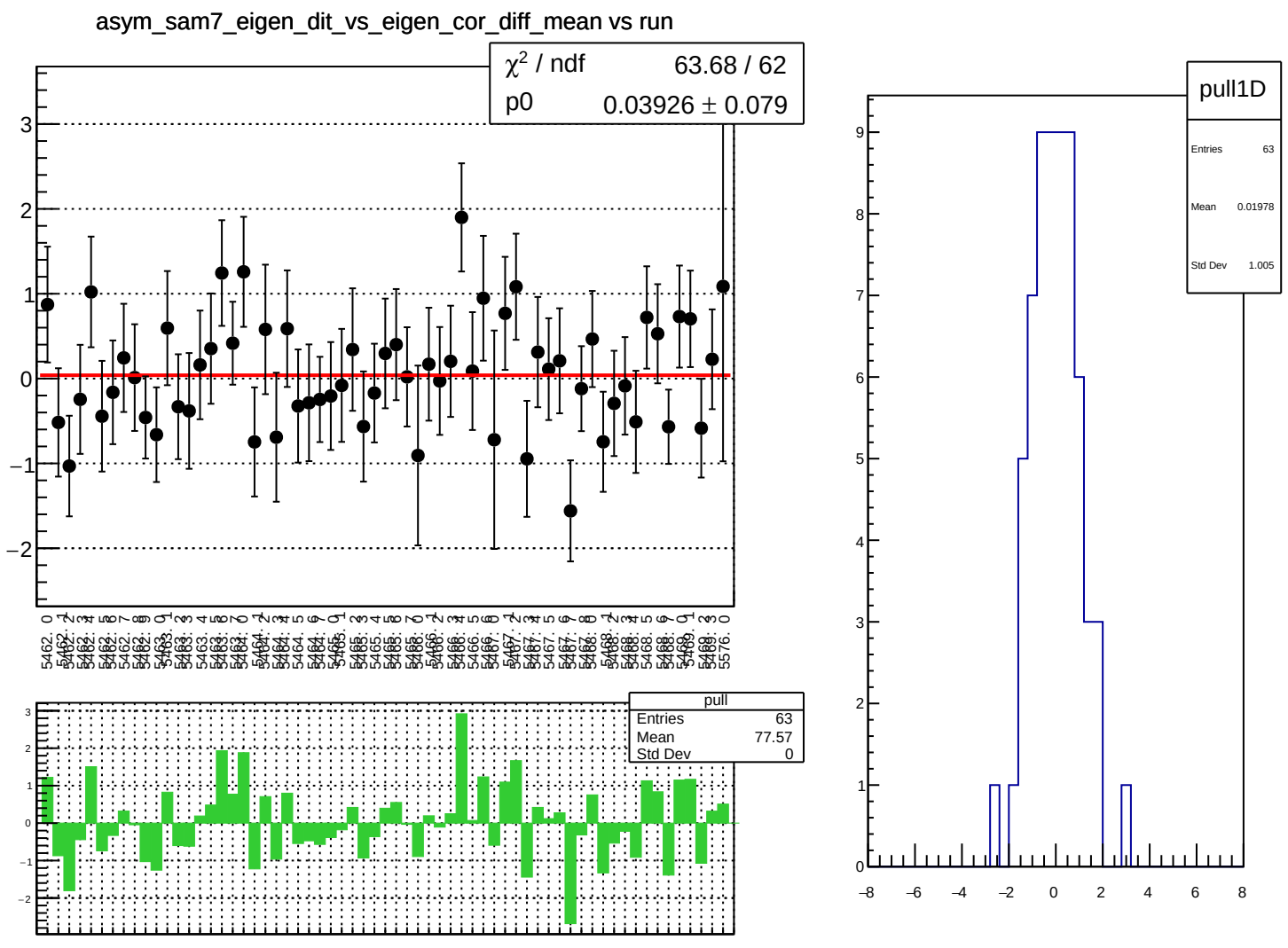

pull1D
Entries 63
Mean −0.0122
Std Dev 0.8835

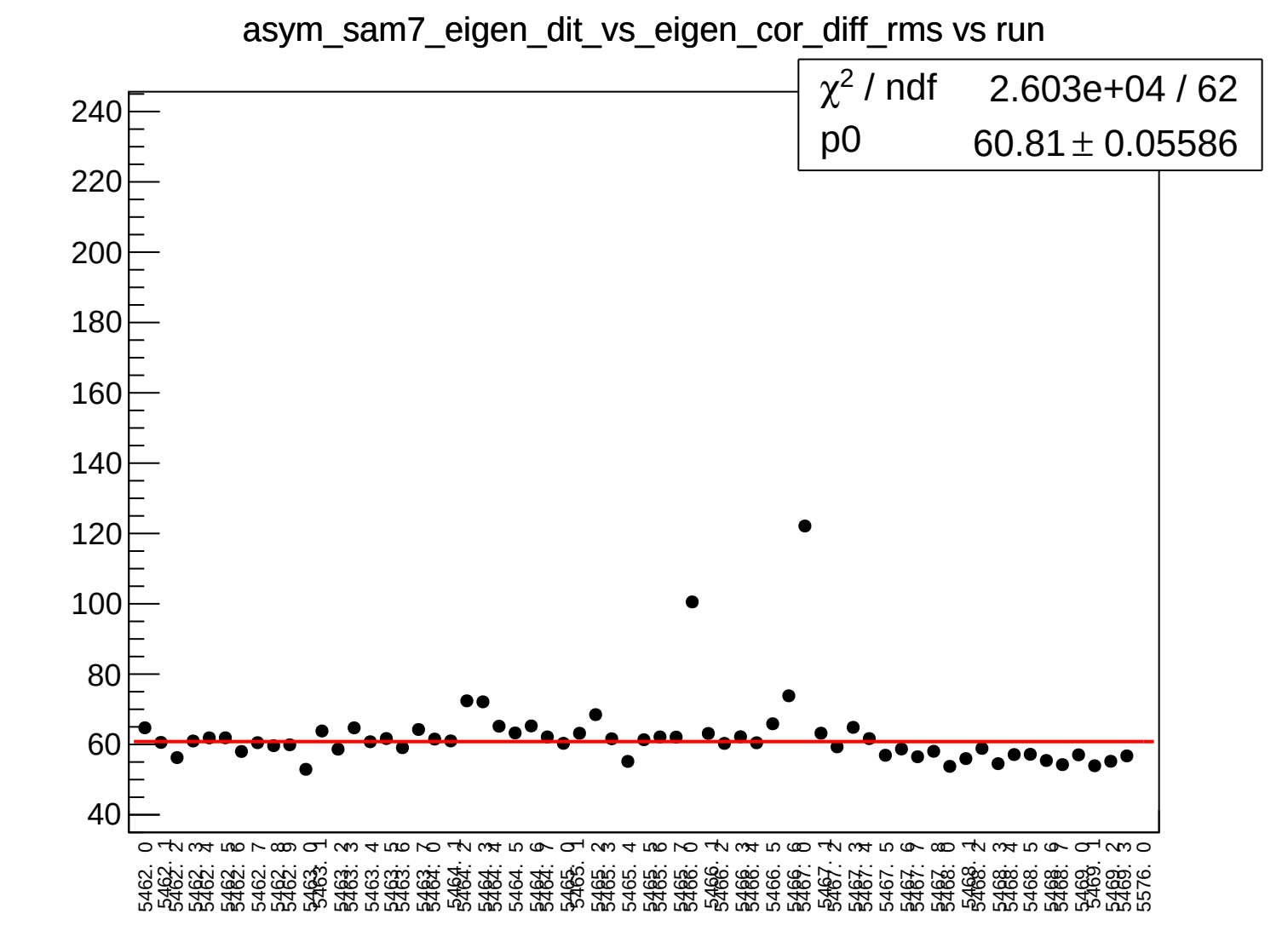

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 622.3 / 62
p0 0.0003282 ± 2.984e−07
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31

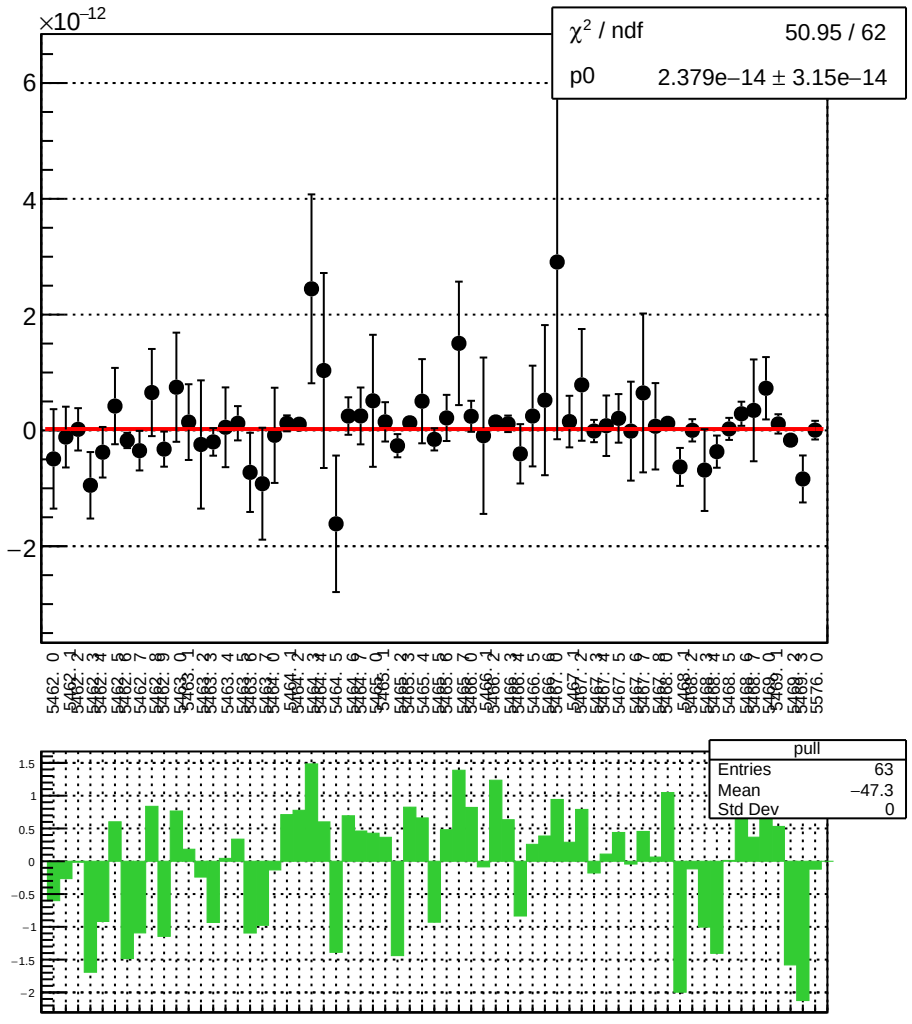

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.68 / 62
p0 0.03926 ± 0.079
pull
Entries 63
Mean 77.57
Std Dev 0

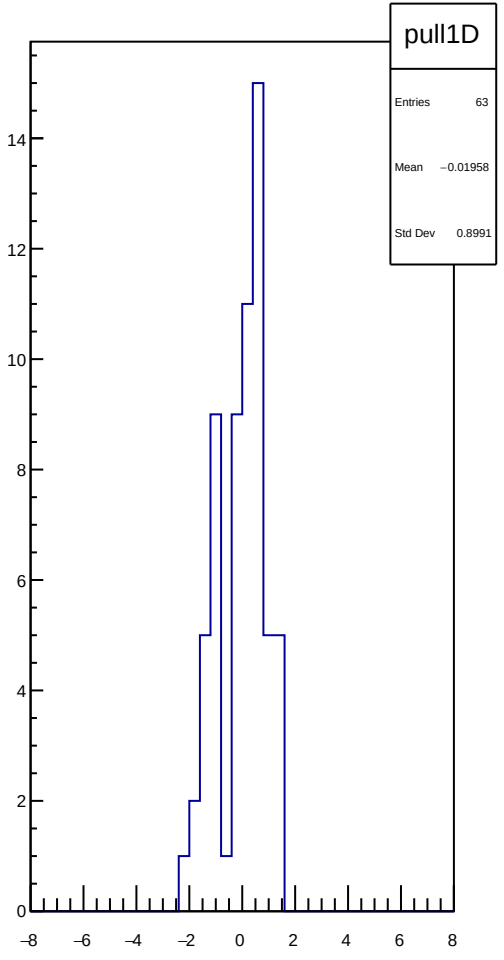

pull1D
Entries 63
Mean 0.01978
Std Dev 1.005

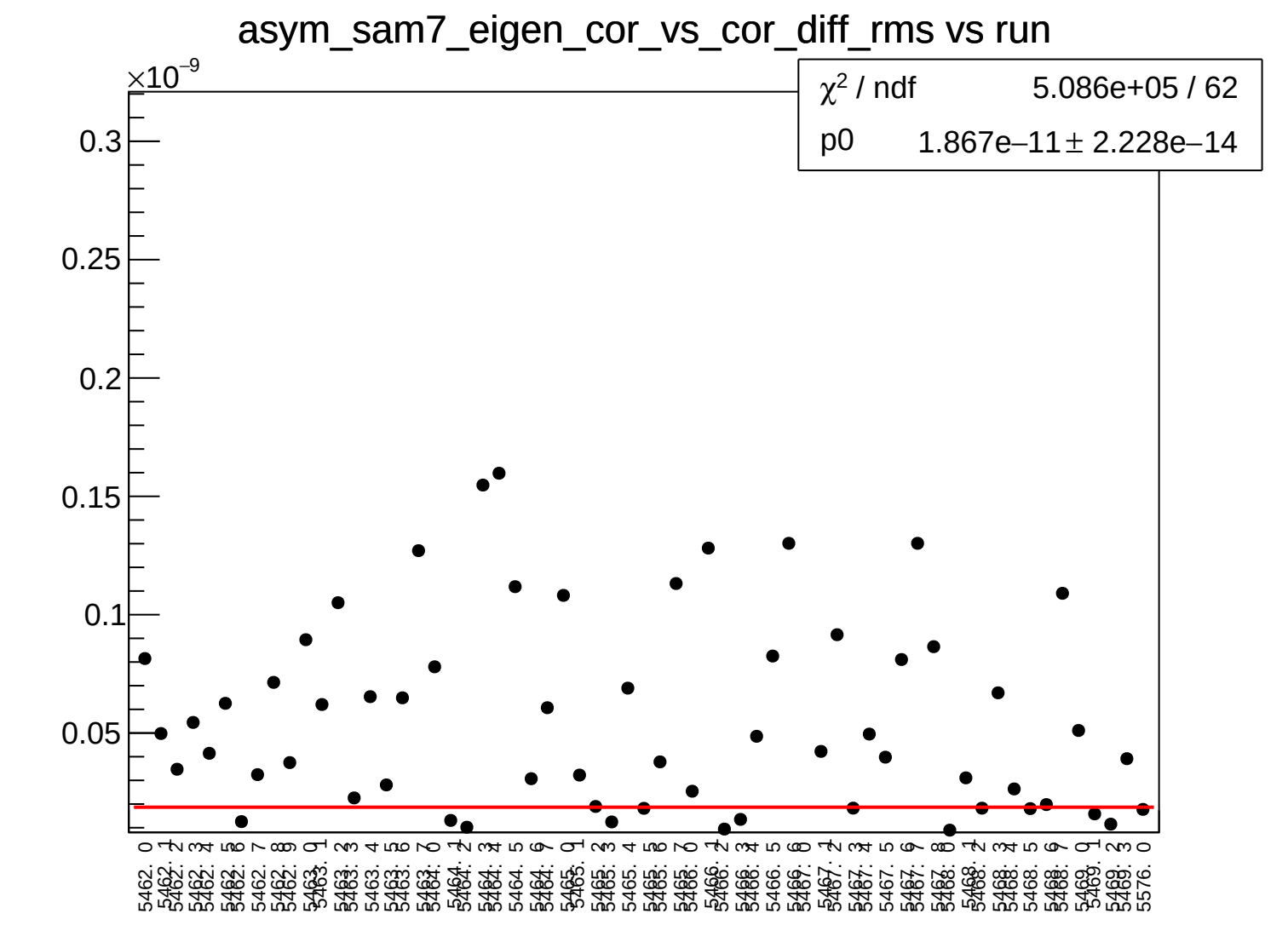

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.603e+04 / 62
p0 60.81 ± 0.05586
240
220
200
180
160
140
120
100
80
60
40

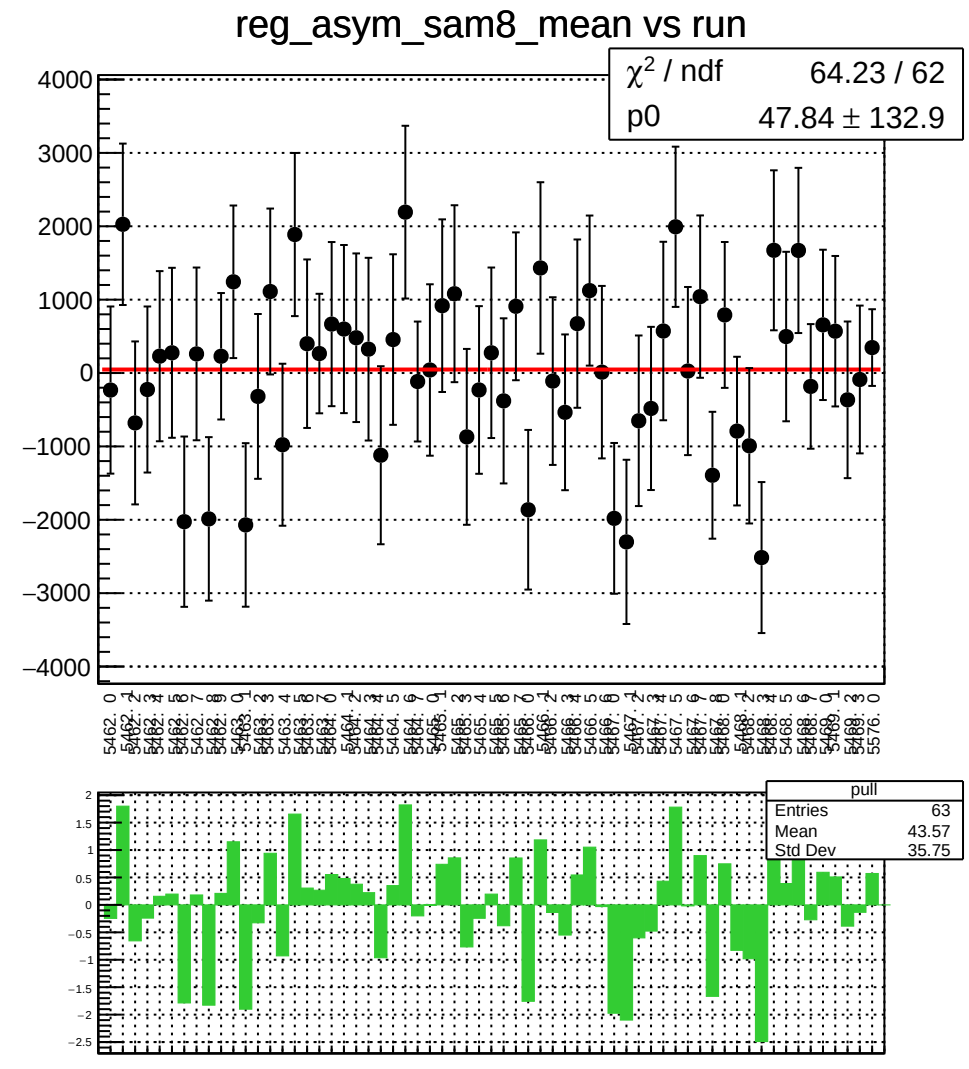

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.68 / 62
p0 0.03926 ± 0.079
pull
Entries 63
Mean 77.57
Std Dev 0
pull1D
Entries 63
Mean 0.01978
Std Dev 1.005

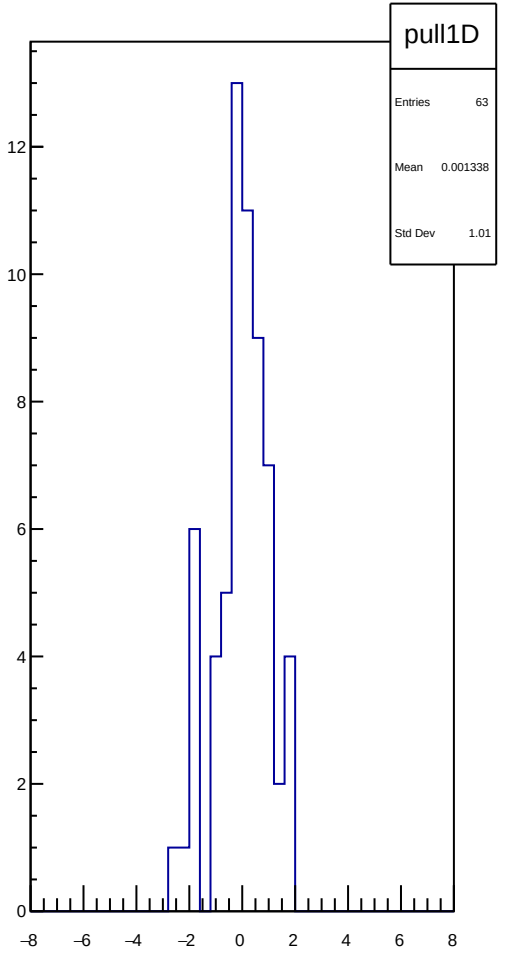

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.603e+04 / 62
p0 60.81 ± 0.05586
240
220
200
180
160
140
120
100
80
60
40

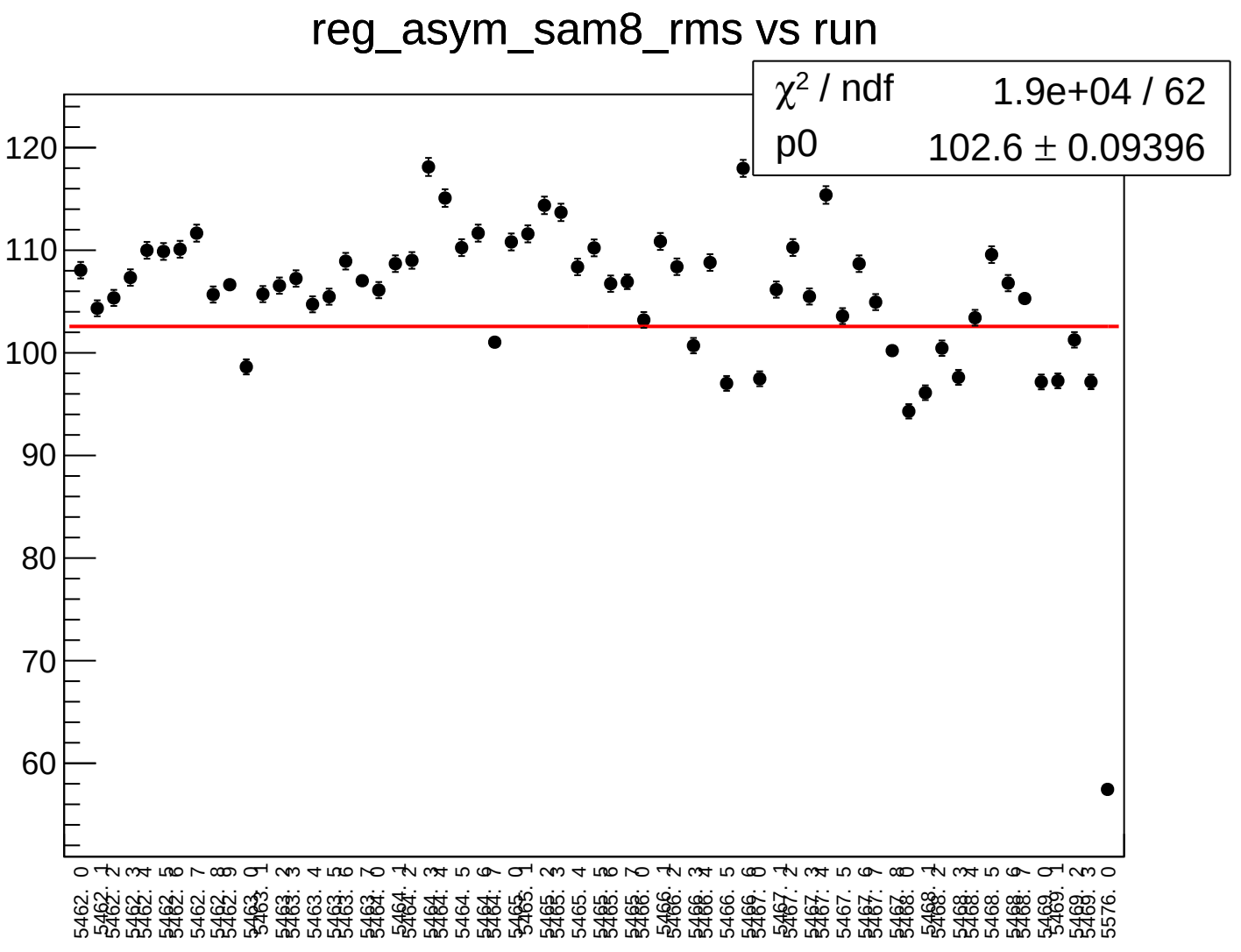

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.95 / 62
p0 2.379e−14 ± 3.15e−14
pull
Entries 63
Mean −47.3
Std Dev 0

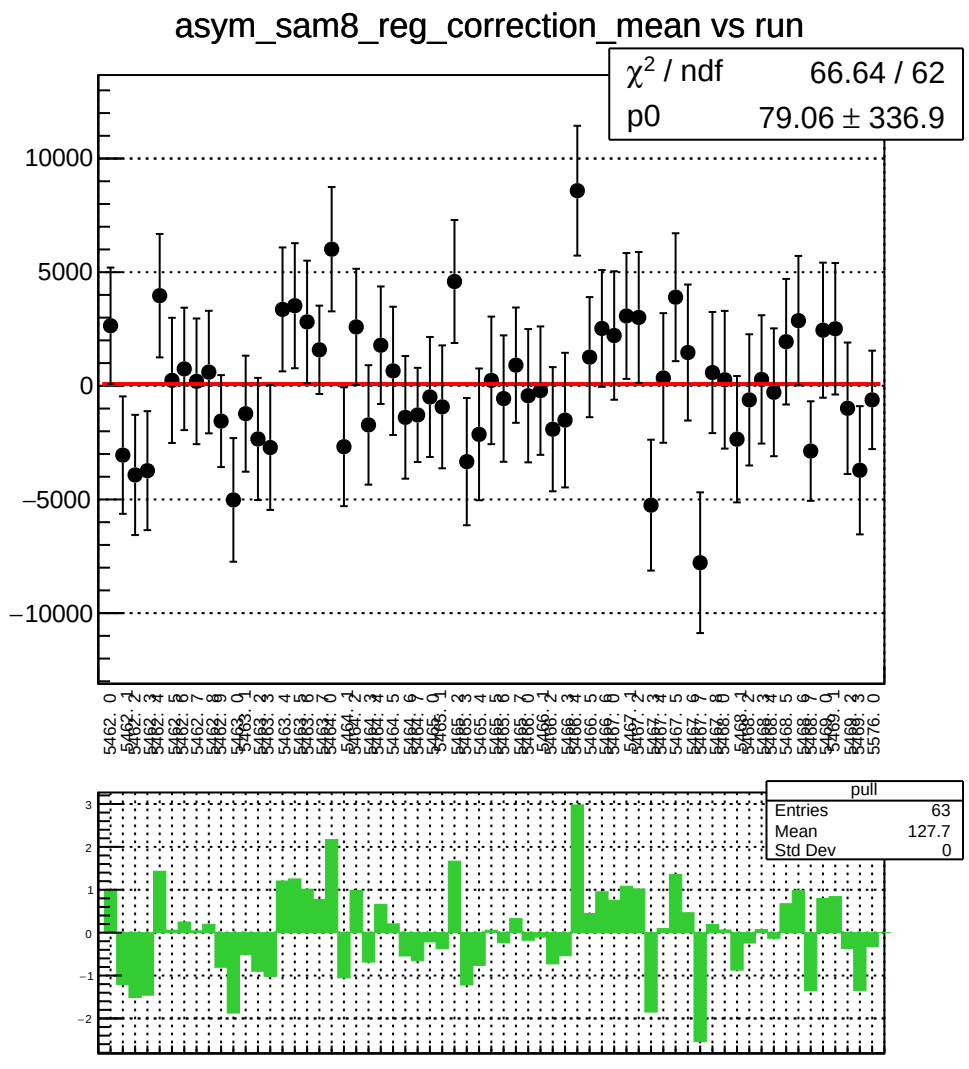

pull1D
Entries 63
Mean −0.01958
Std Dev 0.8991

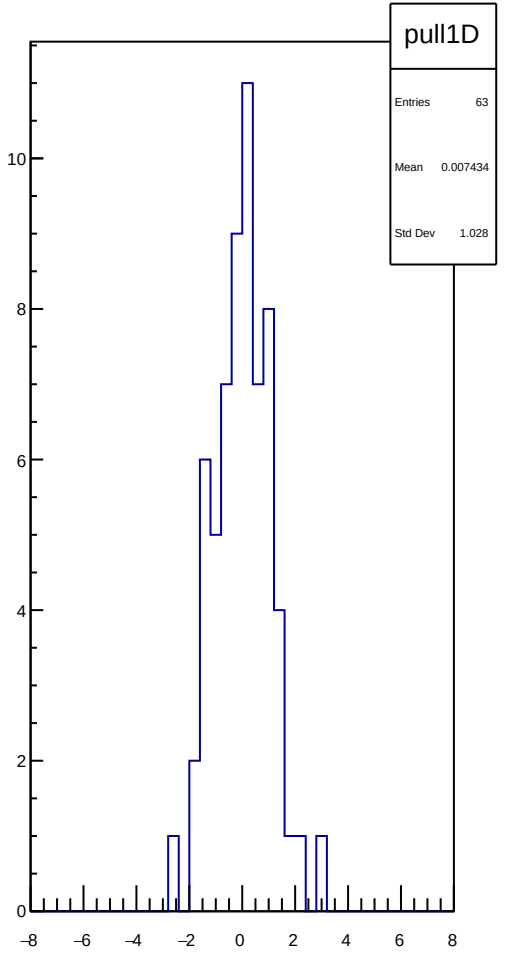

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.086e+05 / 62
p0 1.867e−11 ± 2.228e−14
0.3
0.25
0.2
0.15
0.1
0.05

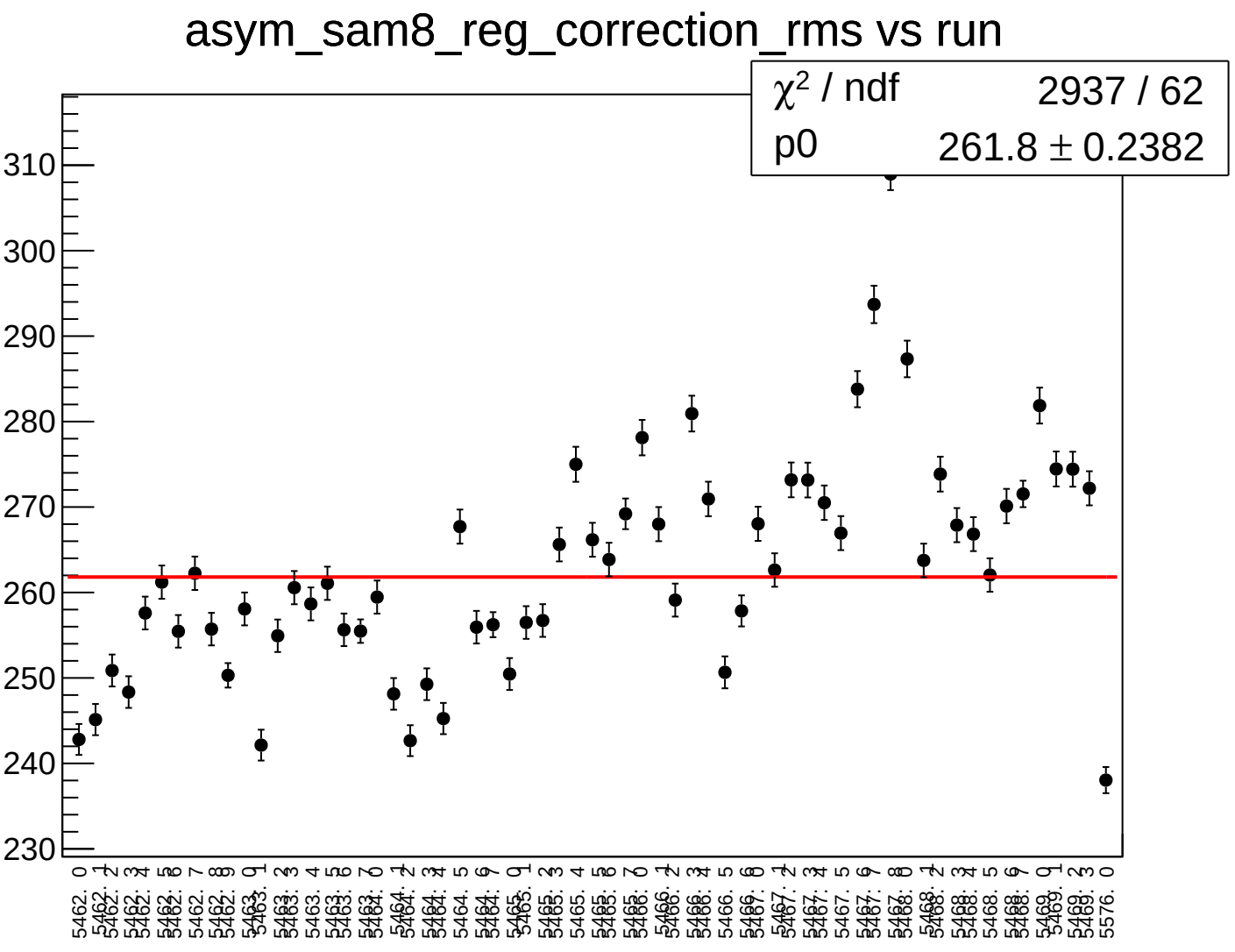

reg_asym_sam8_mean vs run
χ² / ndf 64.23 / 62
p0 47.84 ± 132.9
pull
Entries 63
Mean 43.57
Std Dev 35.75

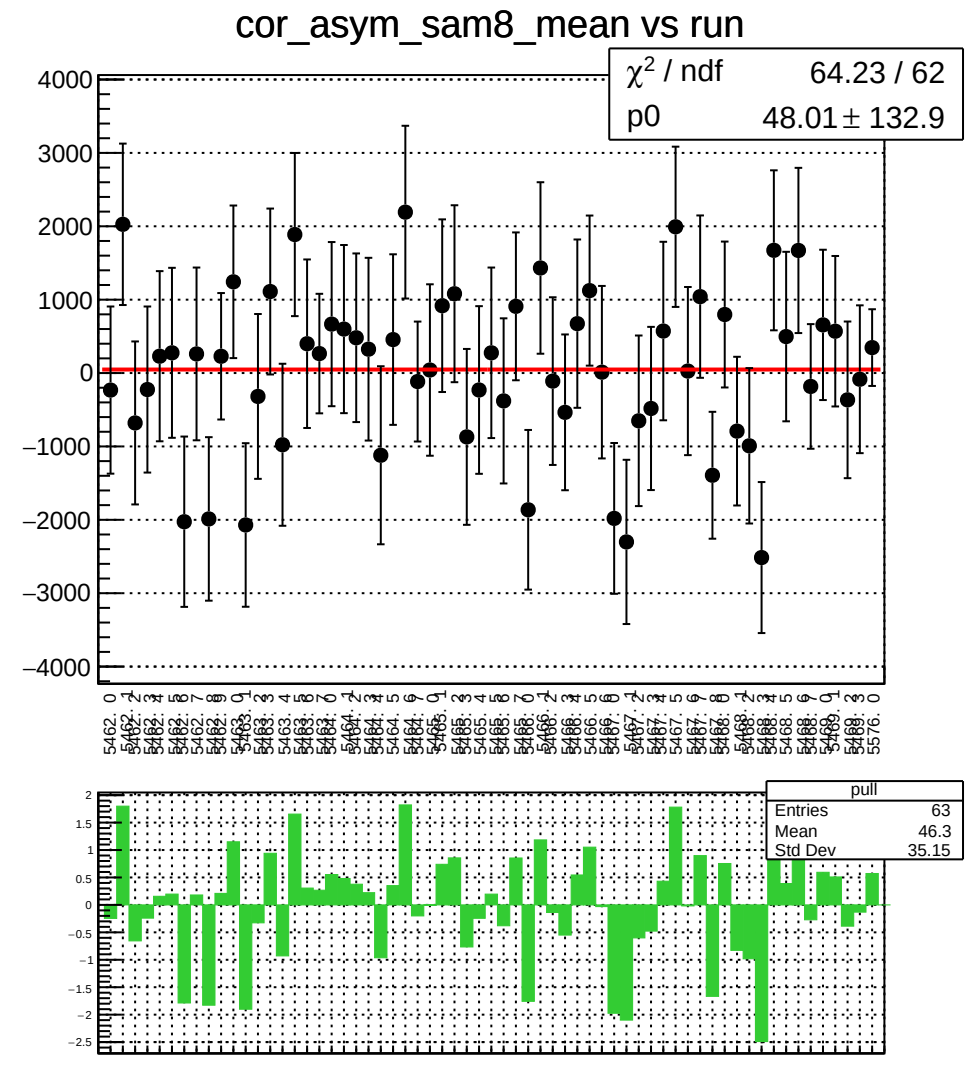

pull1D
Entries 63
Mean 0.001338
Std Dev 1.01

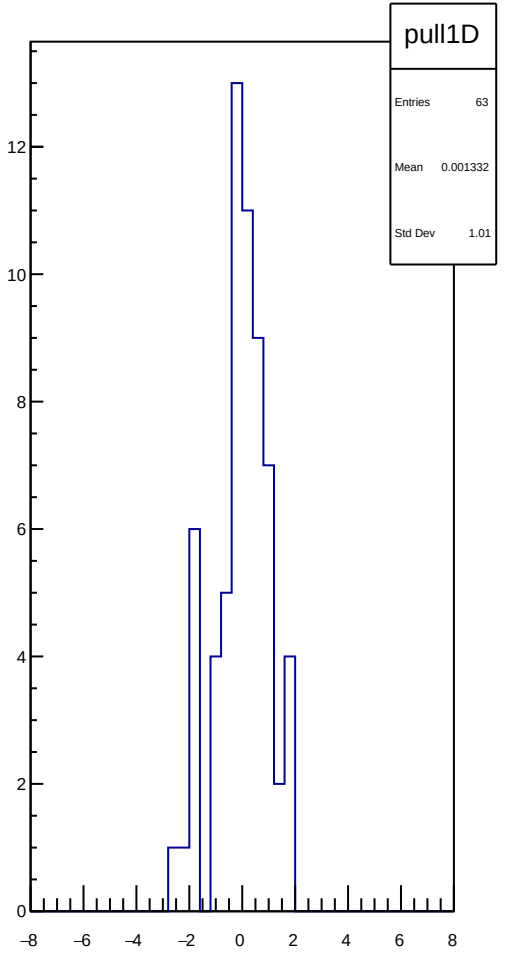

reg_asym_sam8_rms vs run
χ² / ndf 1.9e+04 / 62
p0 102.6 ± 0.09396
120
110
100
90
80
70
60

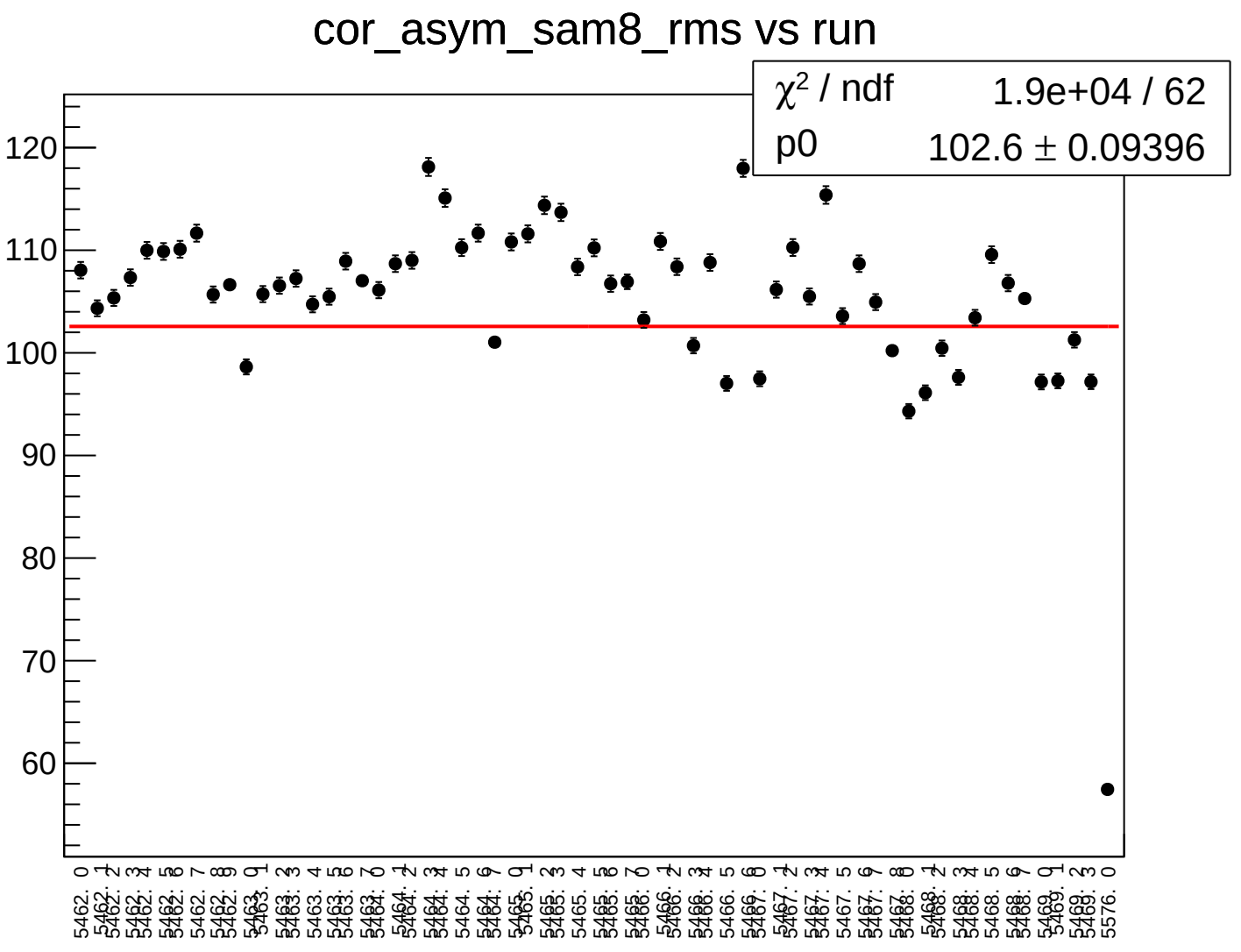

asym_sam8_reg_correction_mean vs run
χ² / ndf 66.64 / 62
p0 79.06 ± 336.9
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 127.7
Std Dev 0
3
2
1
0
−1
−2

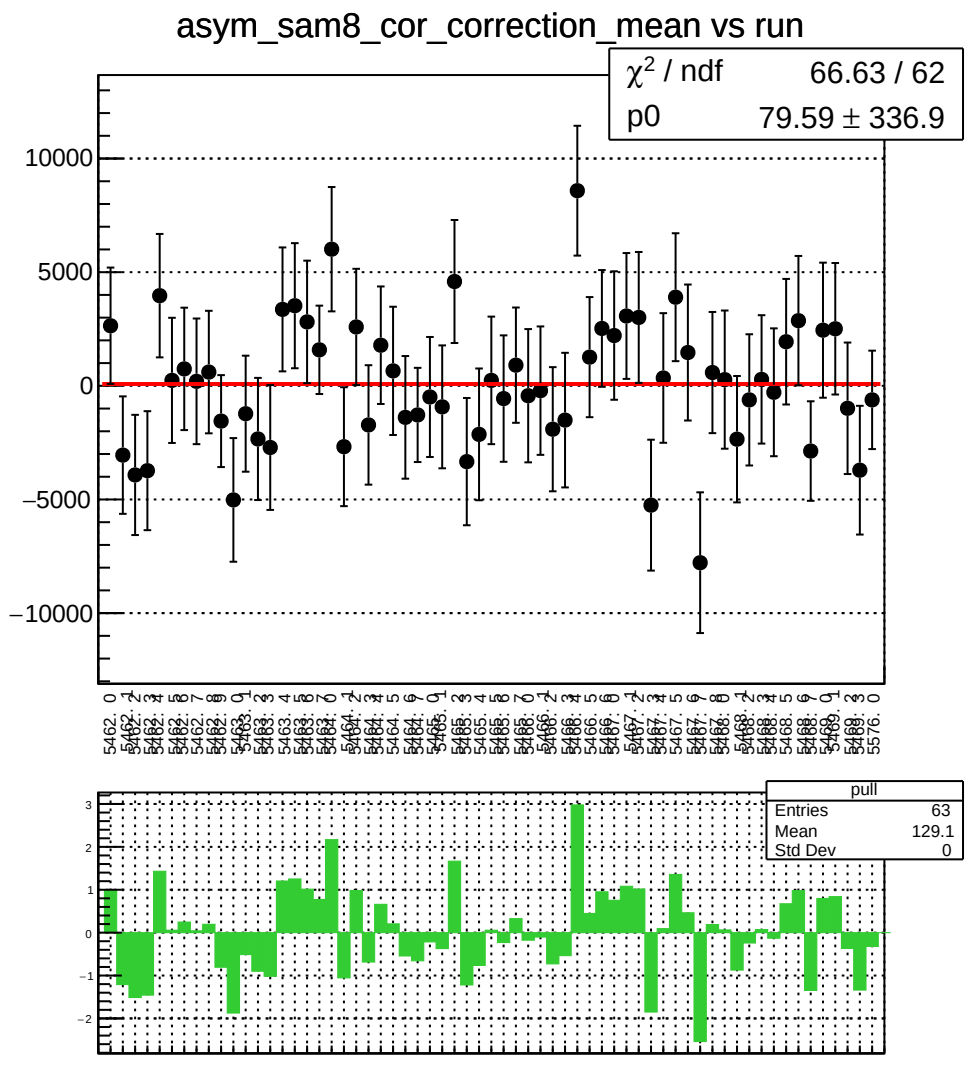

pull1D
Entries 63
Mean 0.007434
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

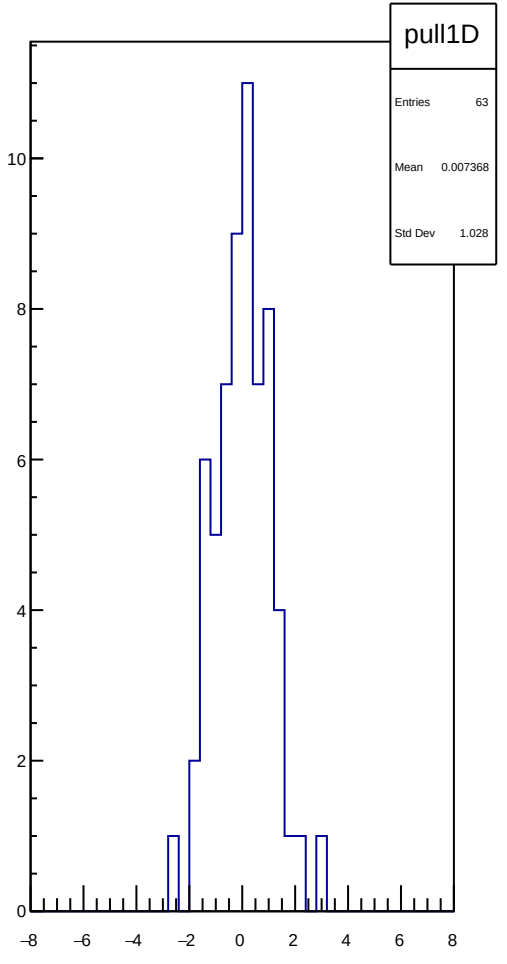

asym_sam8_reg_correction_rms vs run
χ² / ndf 2937 / 62
p0 261.8 ± 0.2382
310
300
290
280
270
260
250
240
230
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

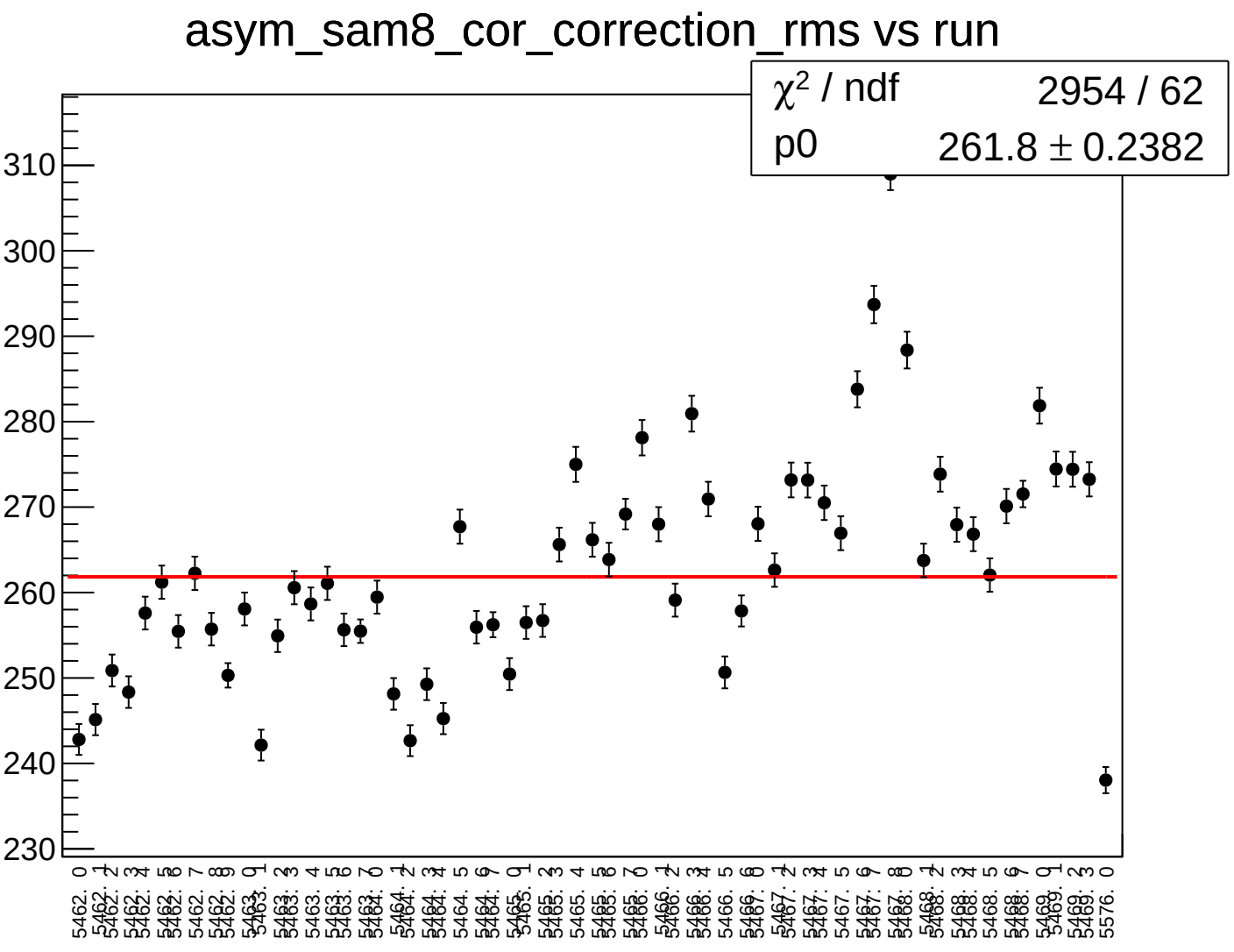

cor_asym_sam8_mean vs run
χ² / ndf 64.23 / 62
p0 48.01 ± 132.9
pull
Entries 63
Mean 46.3
Std Dev 35.15

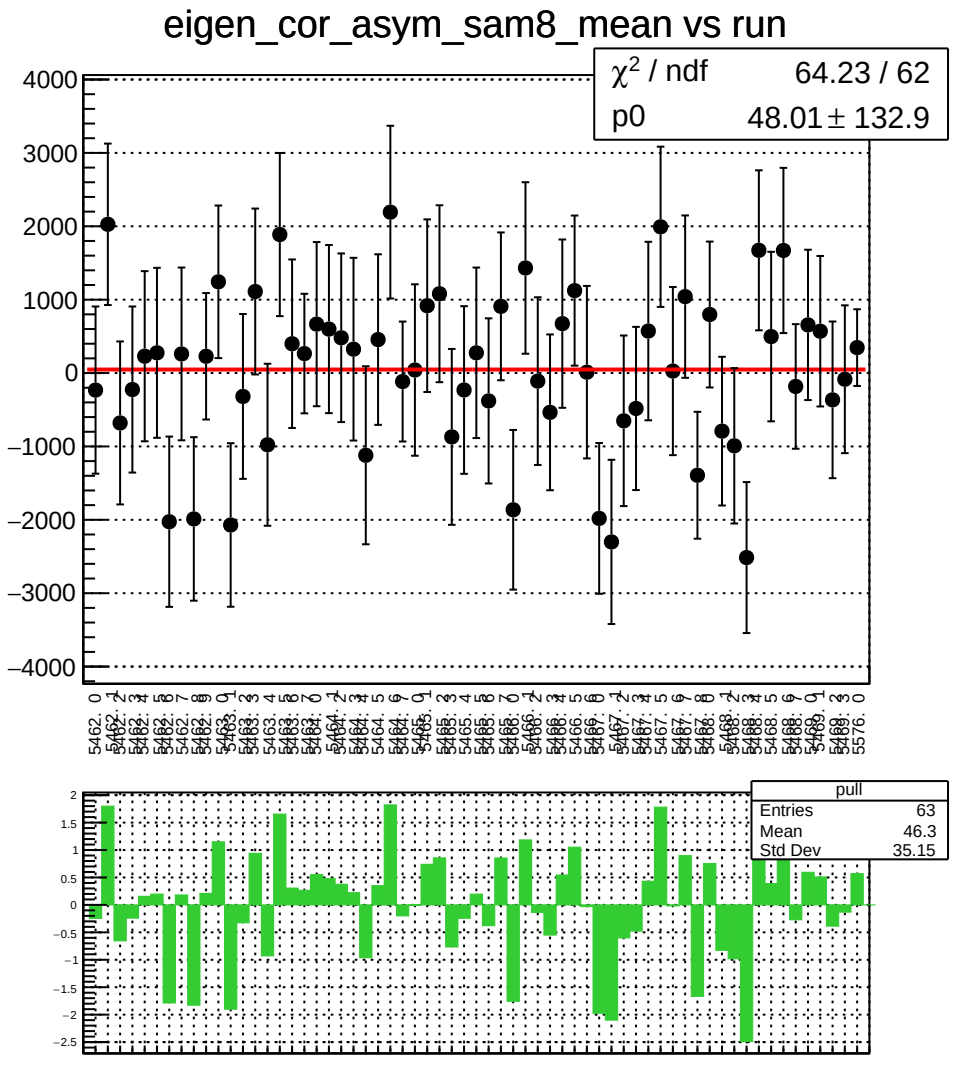

pull1D
Entries 63
Mean 0.001332
Std Dev 1.01

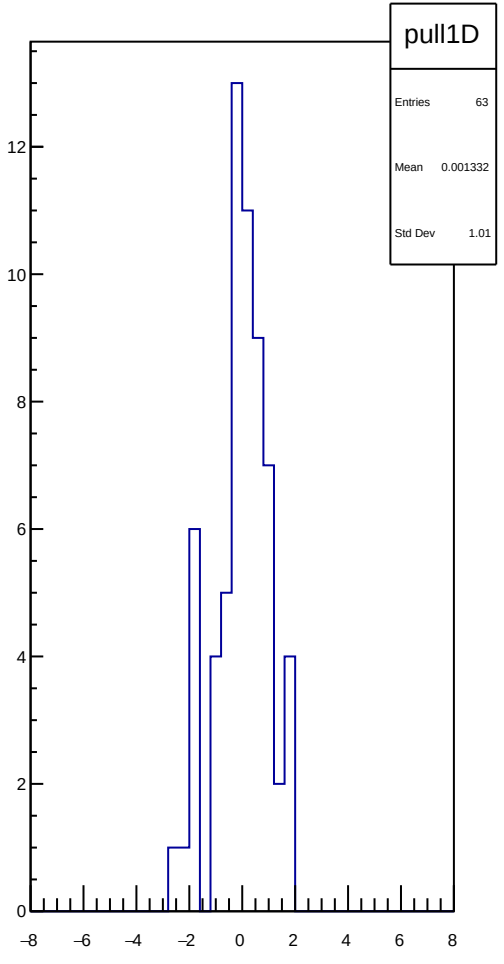

cor_asym_sam8_rms vs run
χ² / ndf 1.9e+04 / 62
p0 102.6 ± 0.09396
120
110
100
90
80
70
60

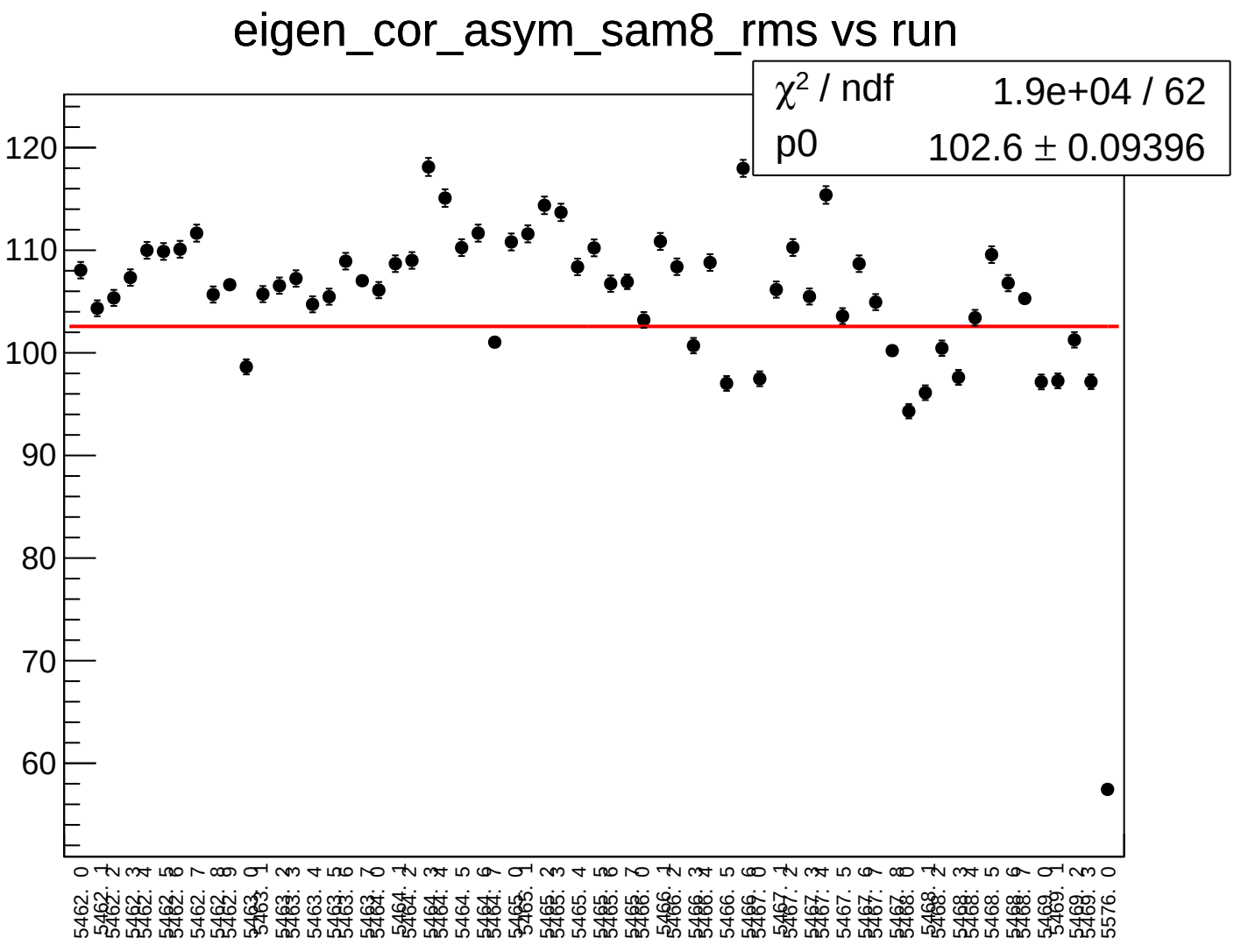

asym_sam8_cor_correction_mean vs run
χ² / ndf 66.63 / 62
p0 79.59 ± 336.9
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 129.1
Std Dev 0
3
2
1
0
−1
−2

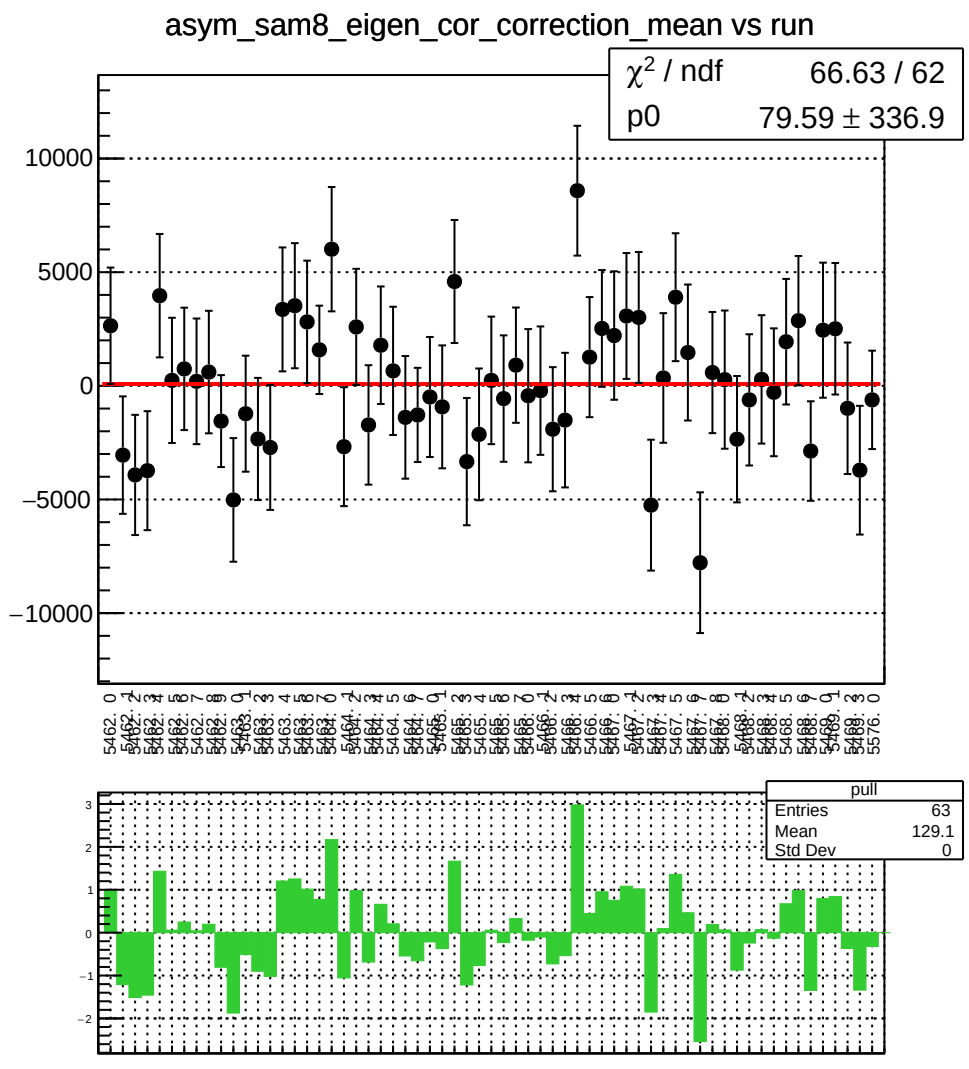

pull1D
Entries 63
Mean 0.007368
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

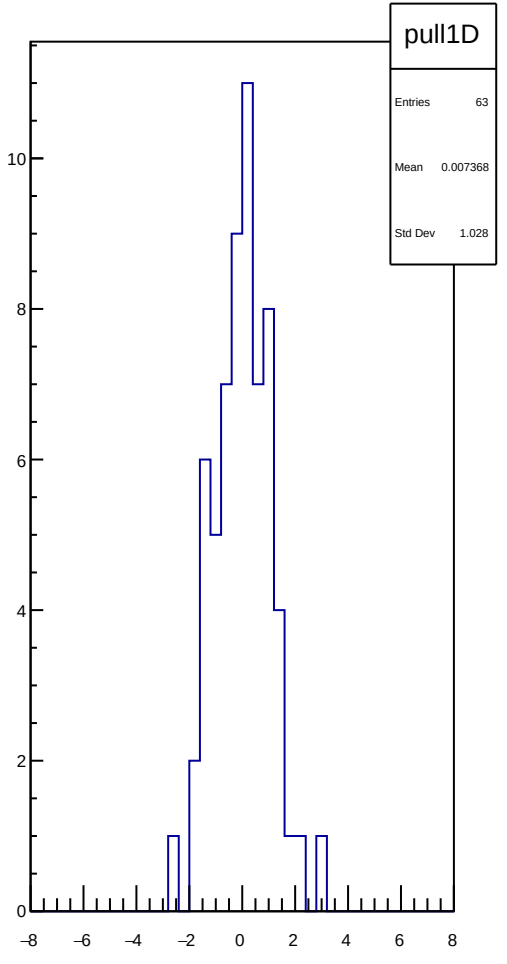

asym_sam8_cor_correction_rms vs run
χ² / ndf 2954 / 62
p0 261.8 ± 0.2382
310
300
290
280
270
260
250
240
230

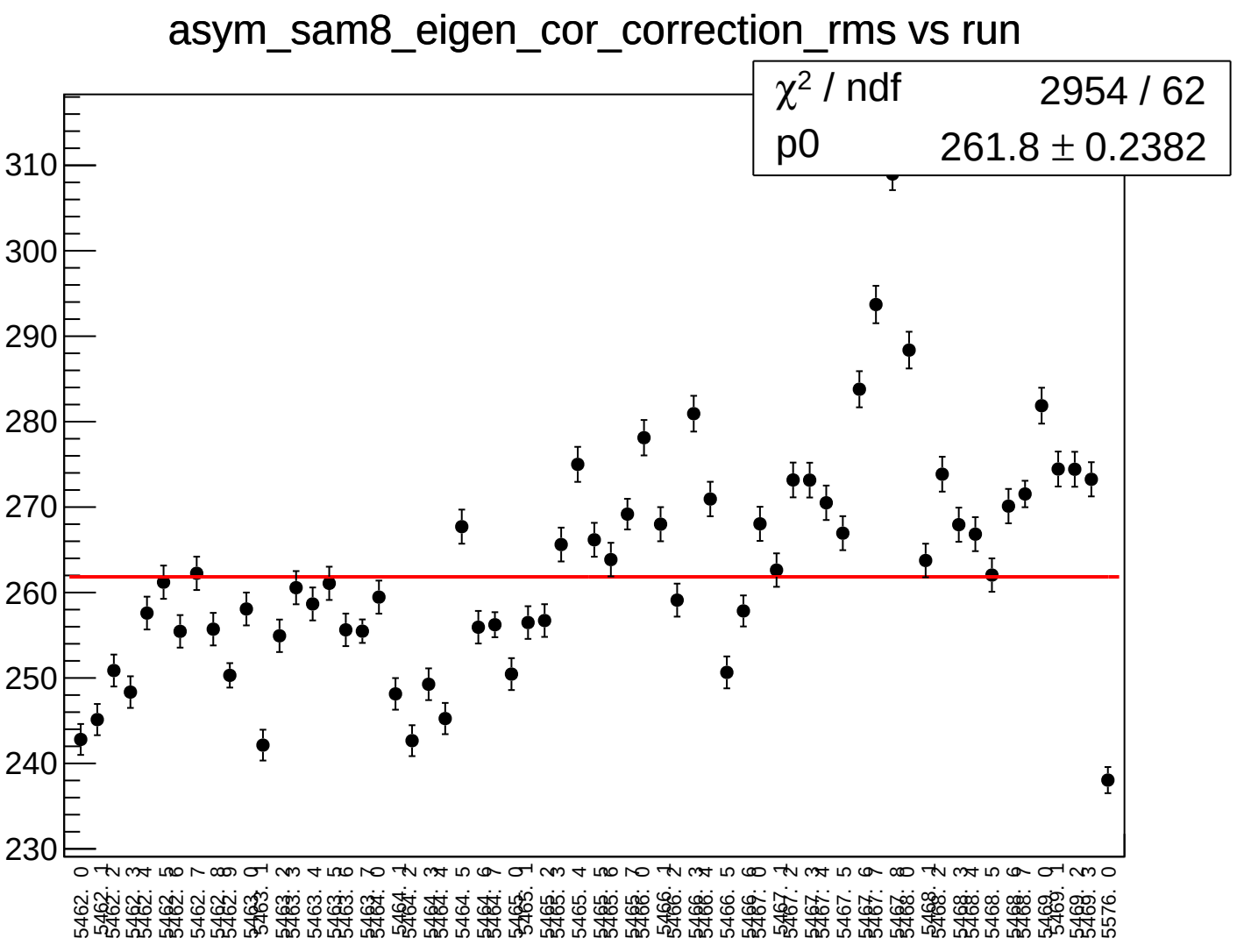

eigen_cor_asym_sam8_mean vs run
χ² / ndf 64.23 / 62
p0 48.01 ± 132.9
pull
Entries 63
Mean 46.3
Std Dev 35.15


pull1D
Entries 63
Mean 0.001332
Std Dev 1.01


eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 1.9e+04 / 62
p0 102.6 ± 0.09396
120
110
100
90
80
70
60


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 66.63 / 62
p0 79.59 ± 336.9
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 129.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.007368
Std Dev 1.028
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 2954 / 62
p0 261.8 ± 0.2382
310
300
290
280
270
260
250
240
230
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
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5465. 3
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5465. 5
5465. 6
5465. 7
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5467. 2
5467. 3
5467. 4
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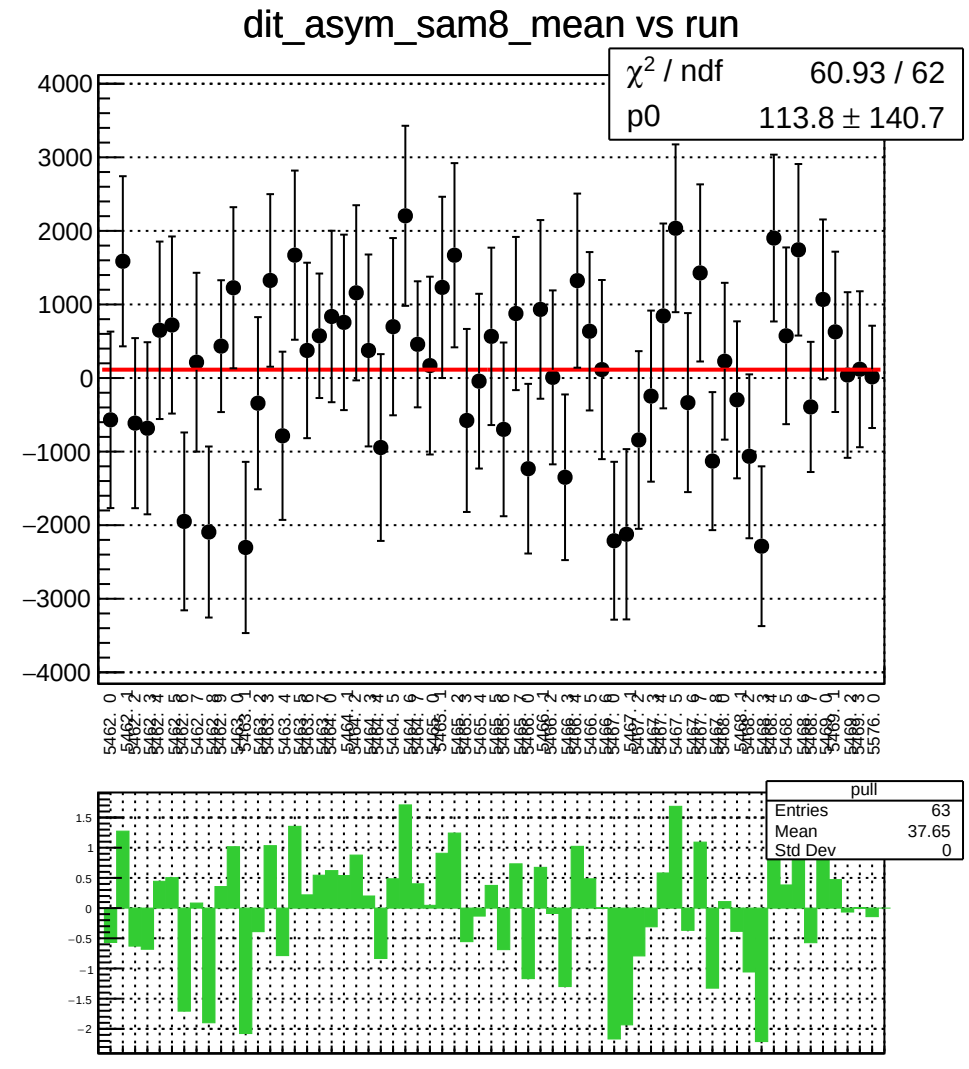
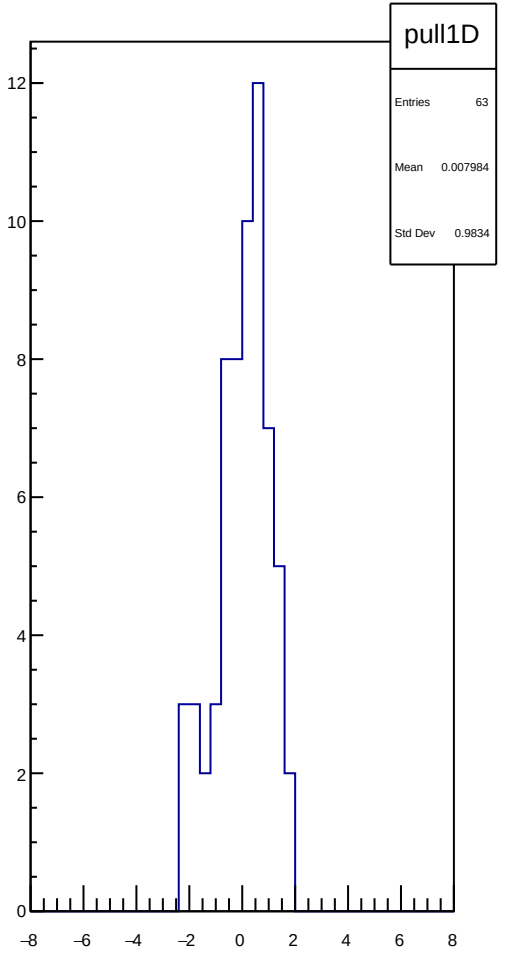
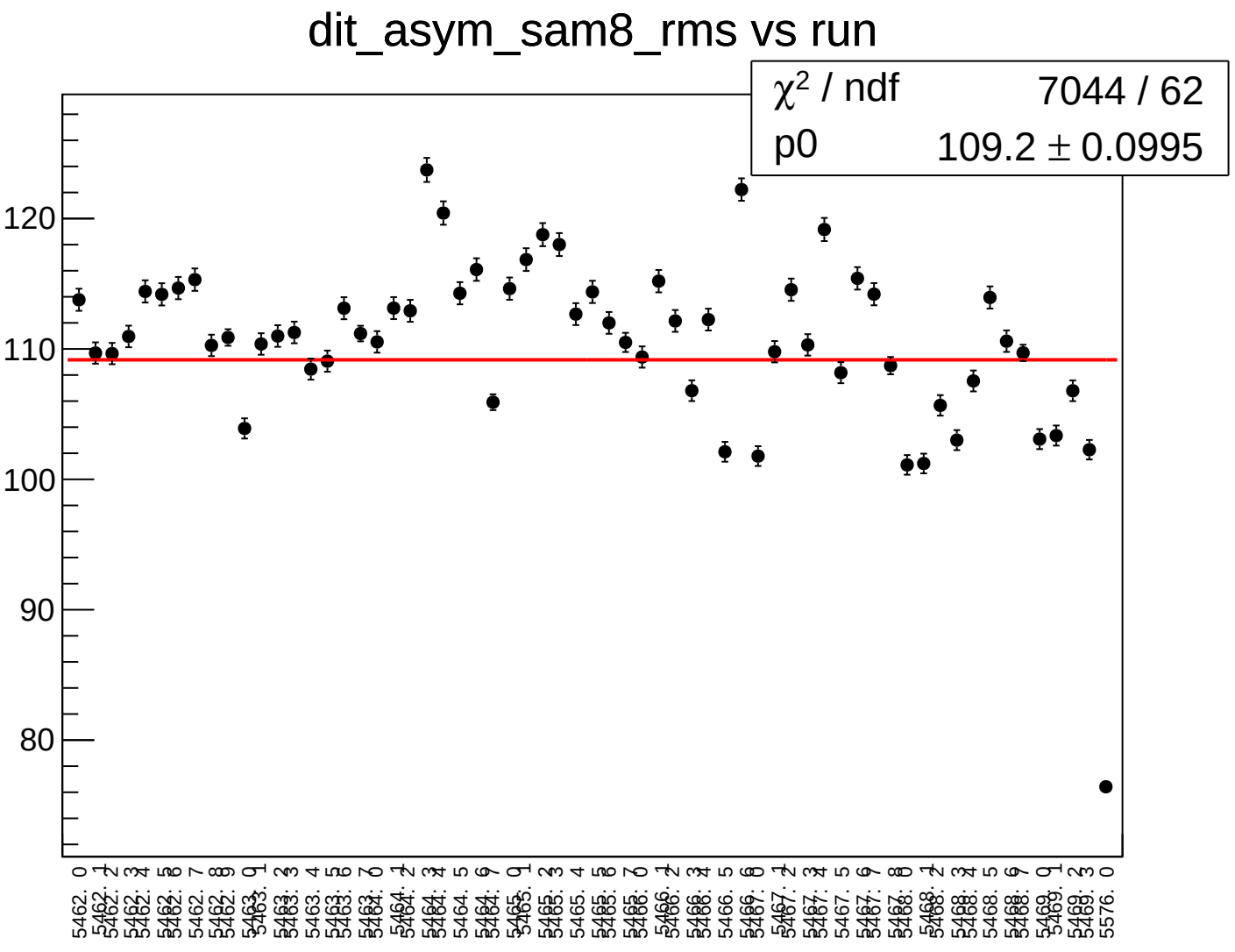
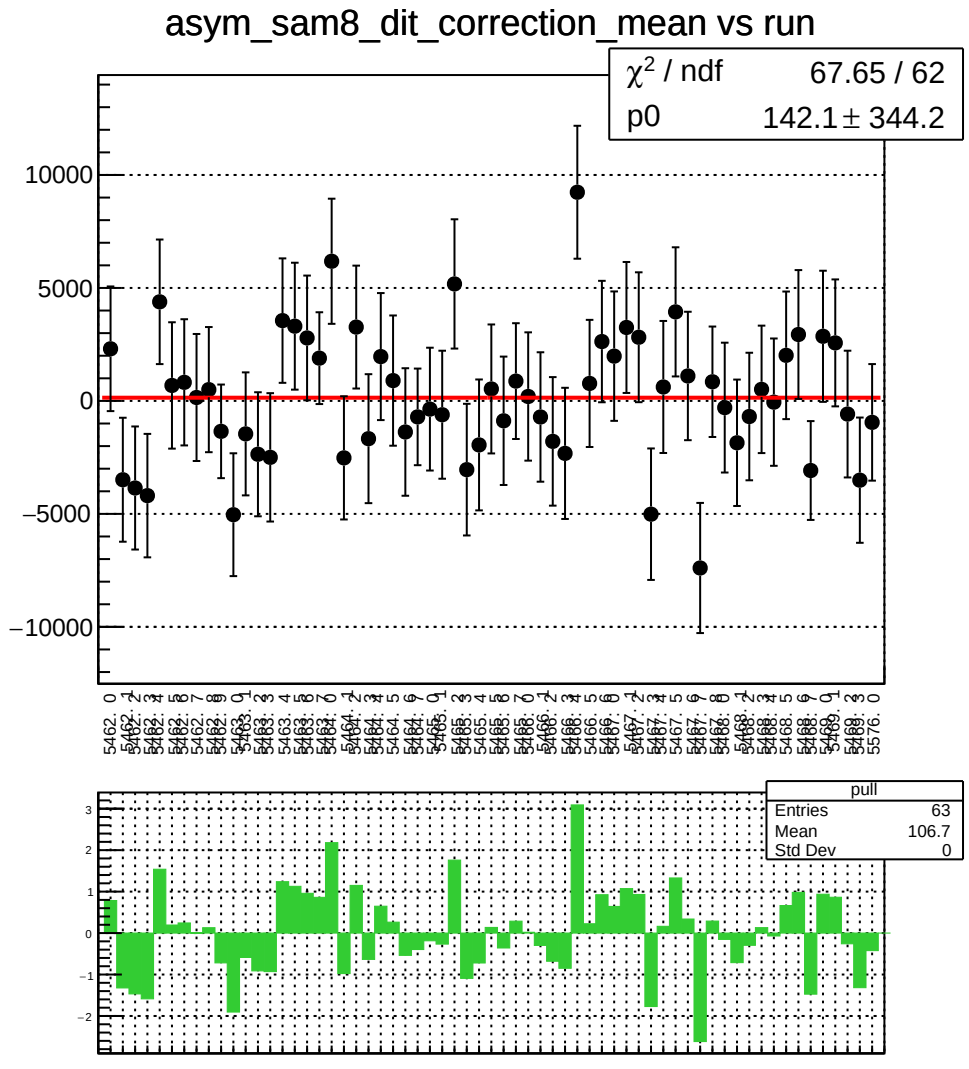
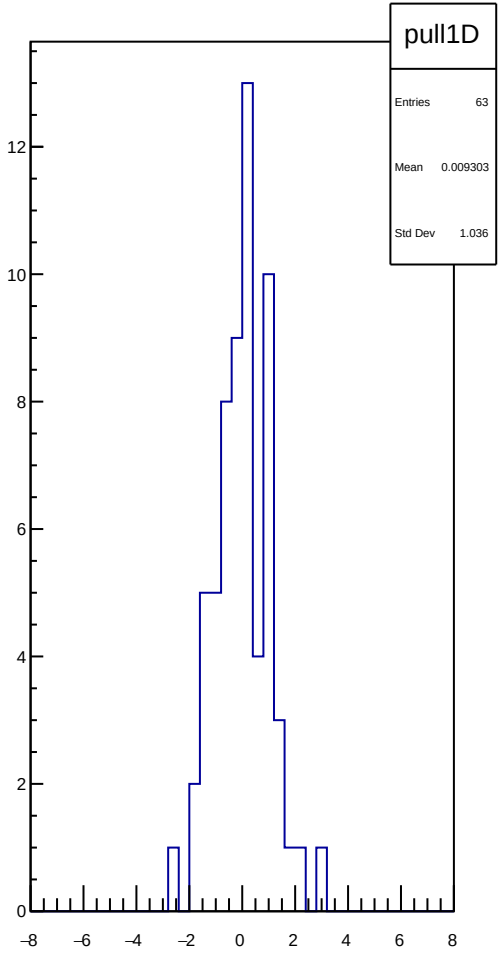
5469. 2
5469. 3
5576. 0

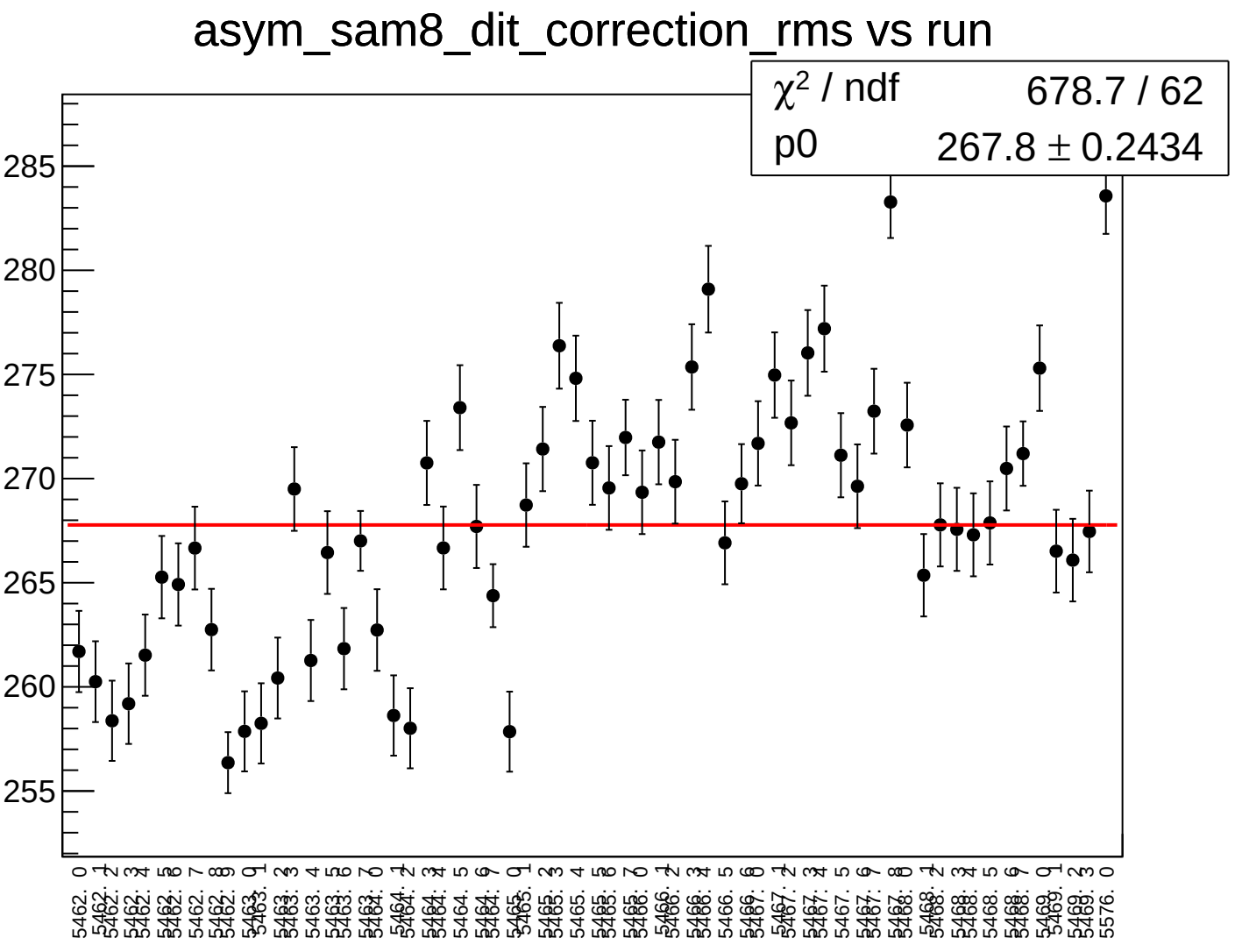

dit_asym_sam8_mean vs run
χ² / ndf 60.93 / 62
p0 113.8 ± 140.7
pull
Entries 63
Mean 37.65
Std Dev 0

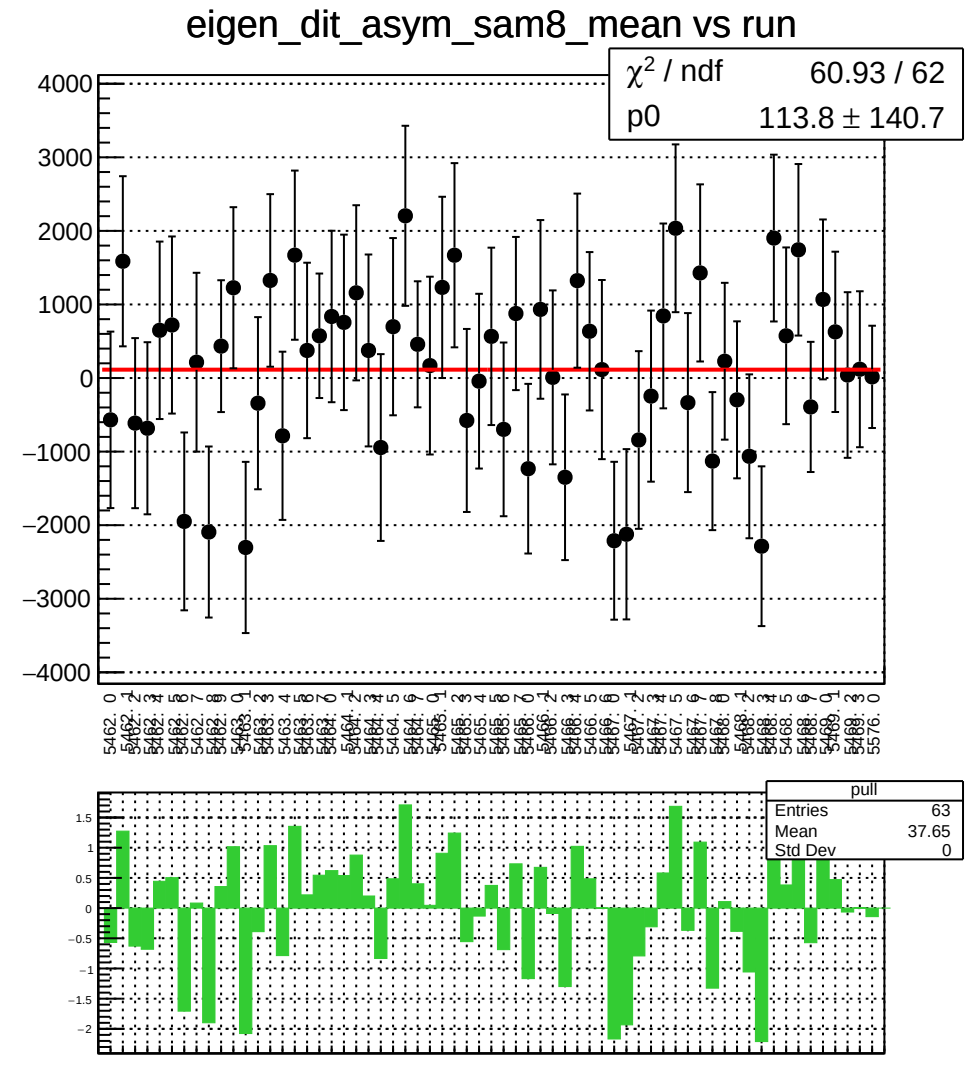

pull1D
Entries 63
Mean 0.007984
Std Dev 0.9834

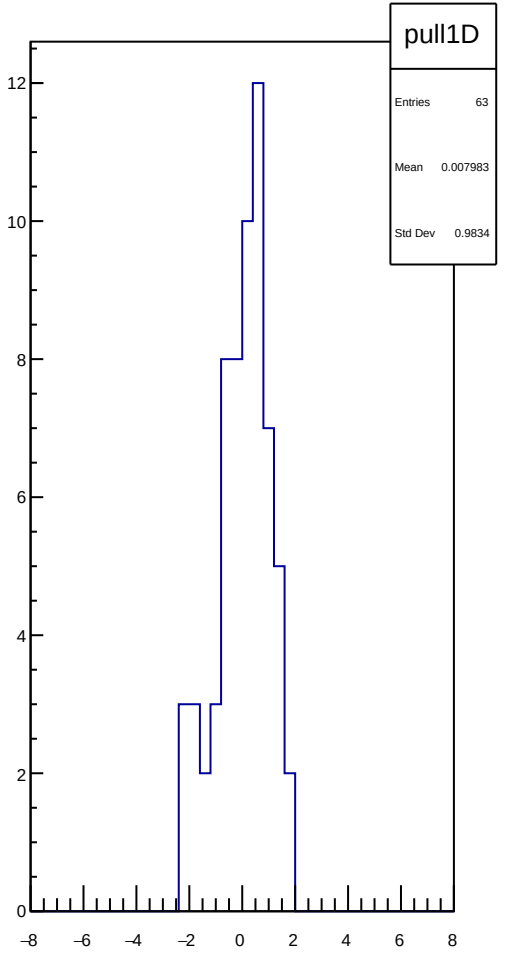

dit_asym_sam8_rms vs run
χ² / ndf 7044 / 62
p0 109.2 ± 0.0995
120
110
100
90
80

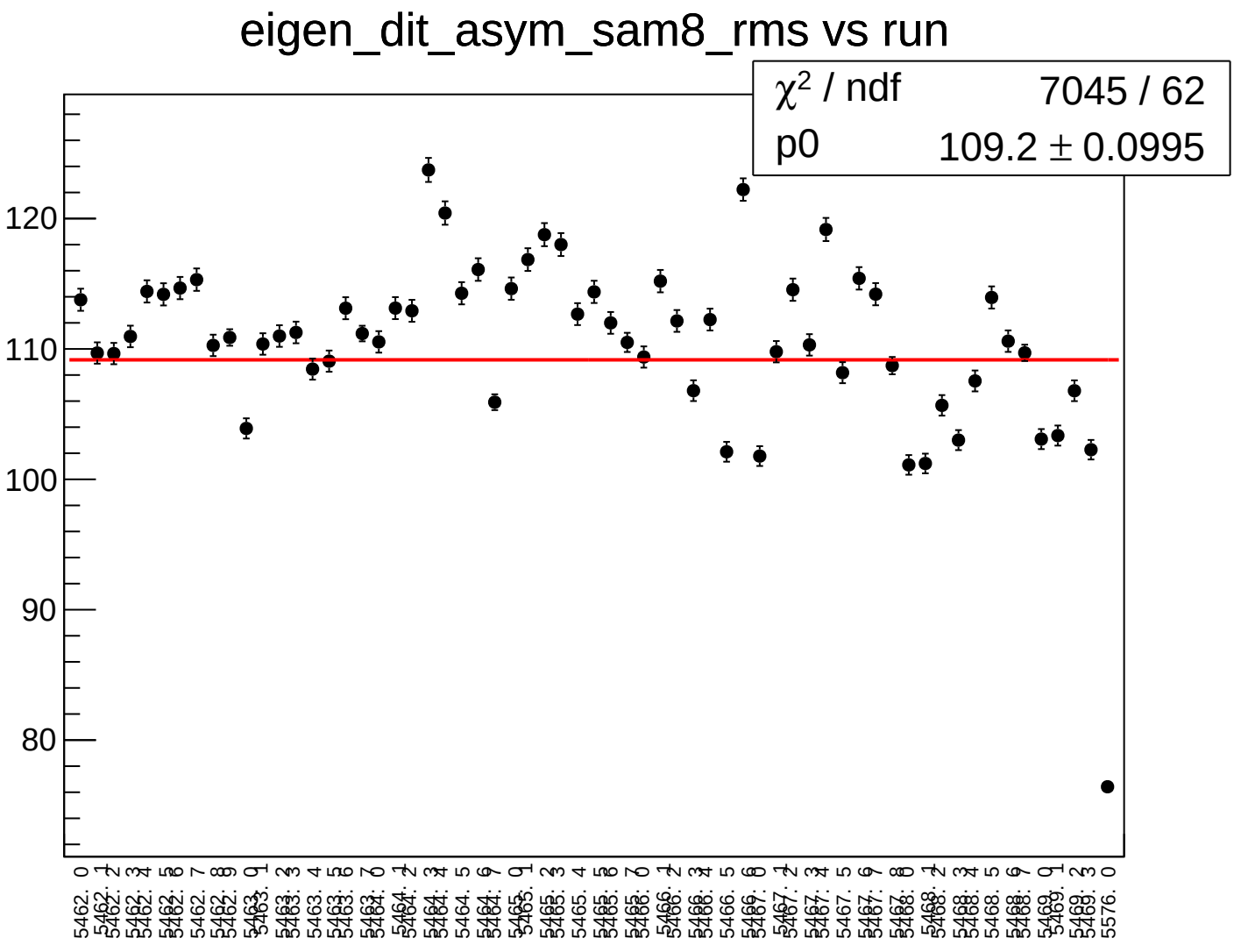

asym_sam8_dit_correction_mean vs run
χ² / ndf 67.65 / 62
p0 142.1 ± 344.2
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 106.7
Std Dev 0
3
2
1
0
−1
−2

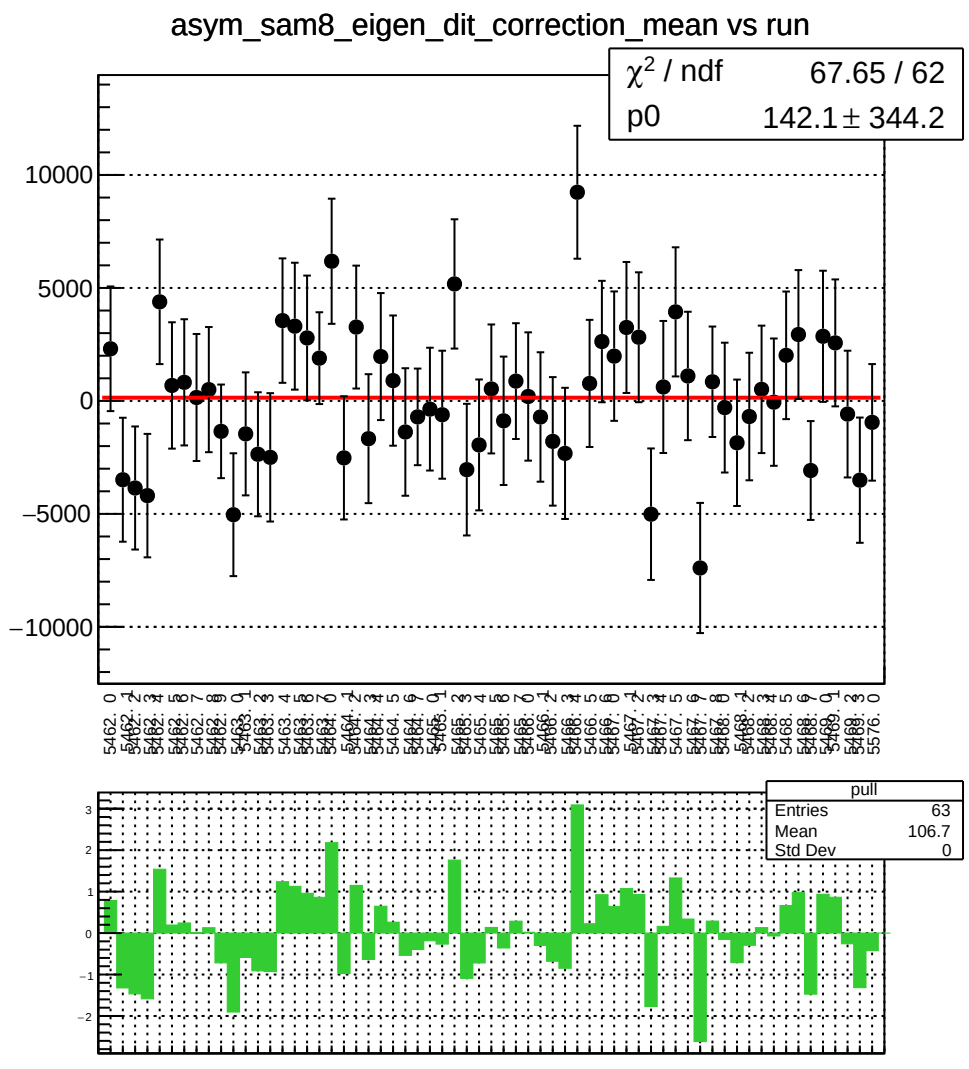

pull1D
Entries 63
Mean 0.009303
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

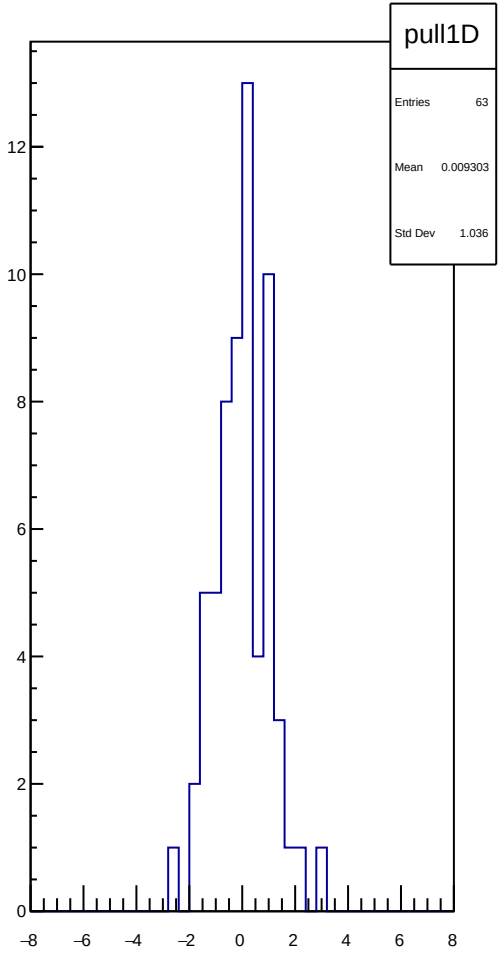

asym_sam8_dit_correction_rms vs run
χ² / ndf 678.7 / 62
p0 267.8 ± 0.2434
285
280
275
270
265
260
255

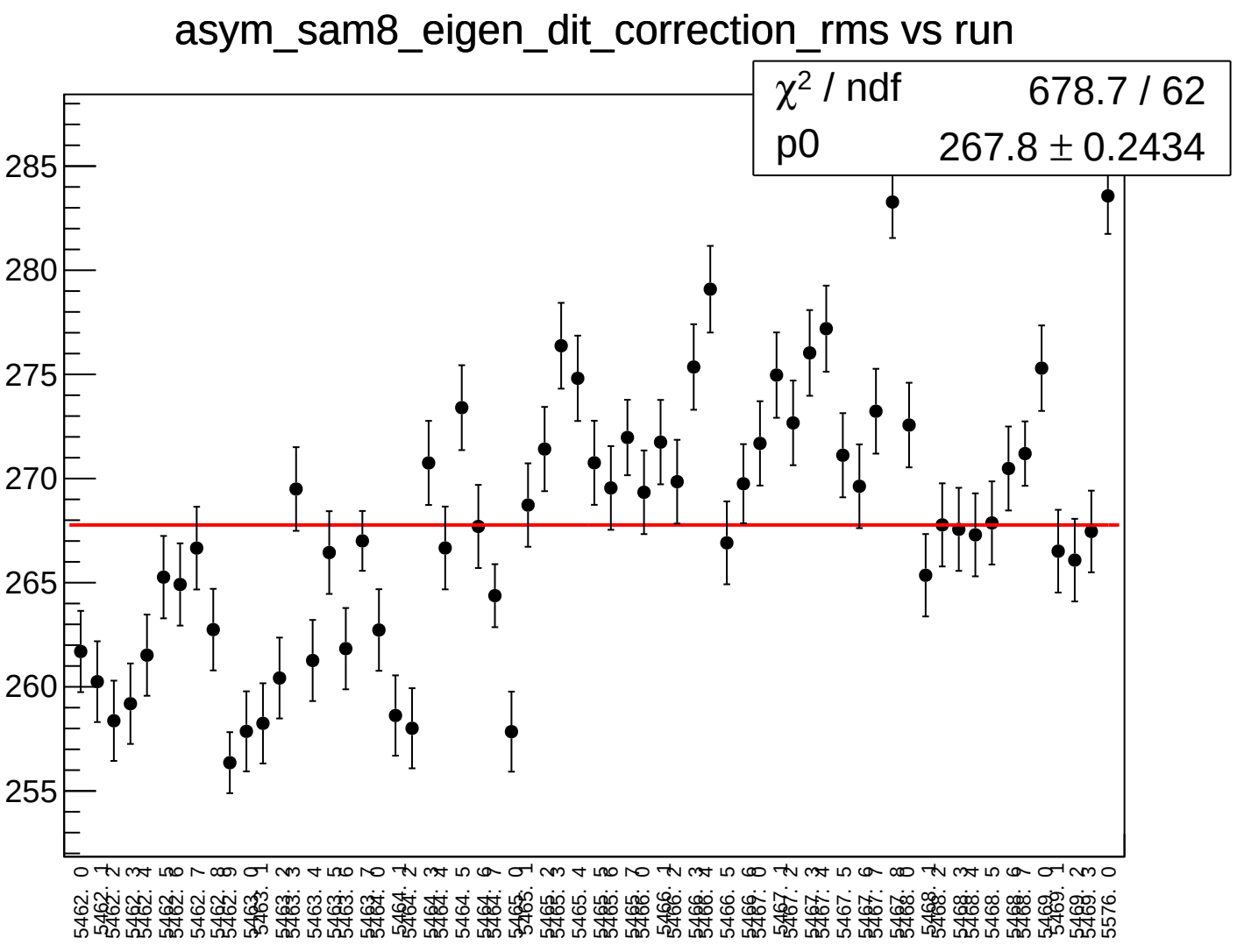

eigen_dit_asym_sam8_mean vs run
χ² / ndf 60.93 / 62
p0 113.8 ± 140.7
pull
Entries 63
Mean 37.65
Std Dev 0

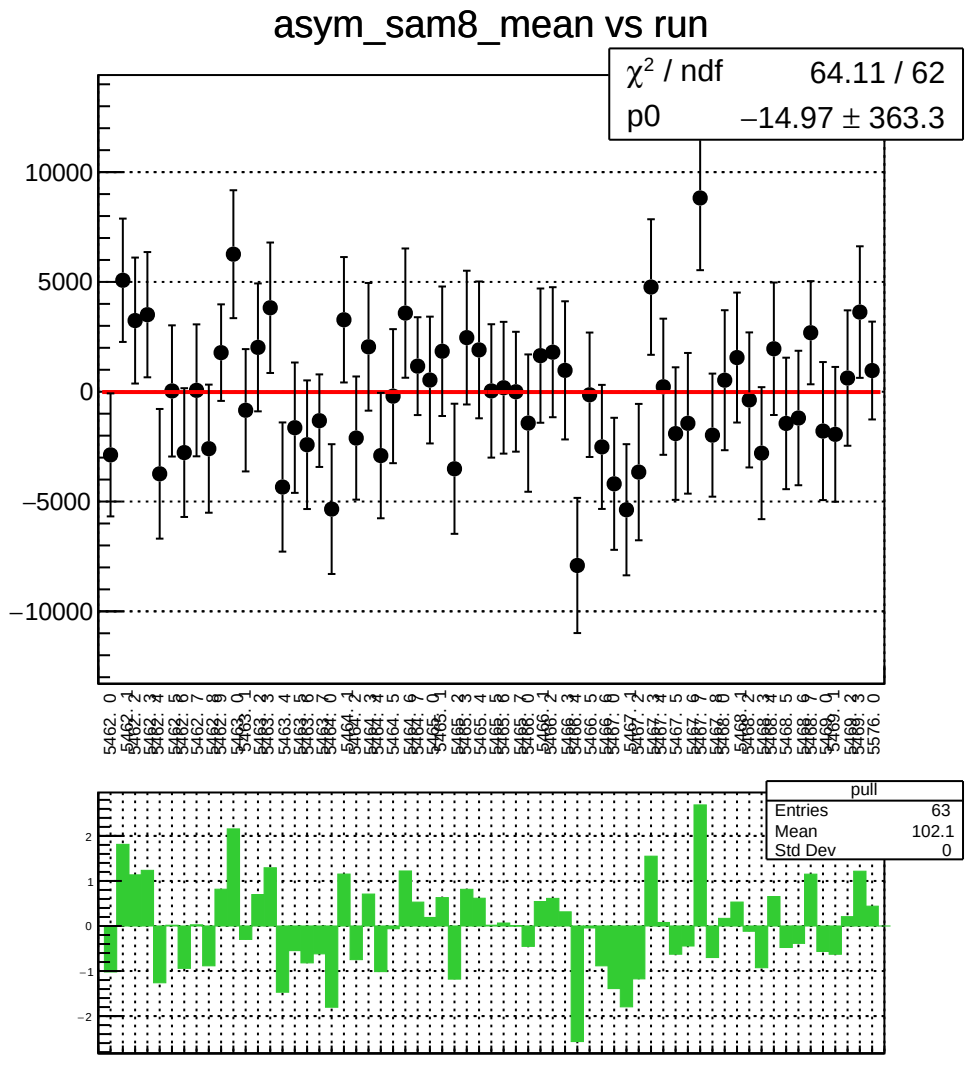

pull1D
Entries 63
Mean 0.007983
Std Dev 0.9834

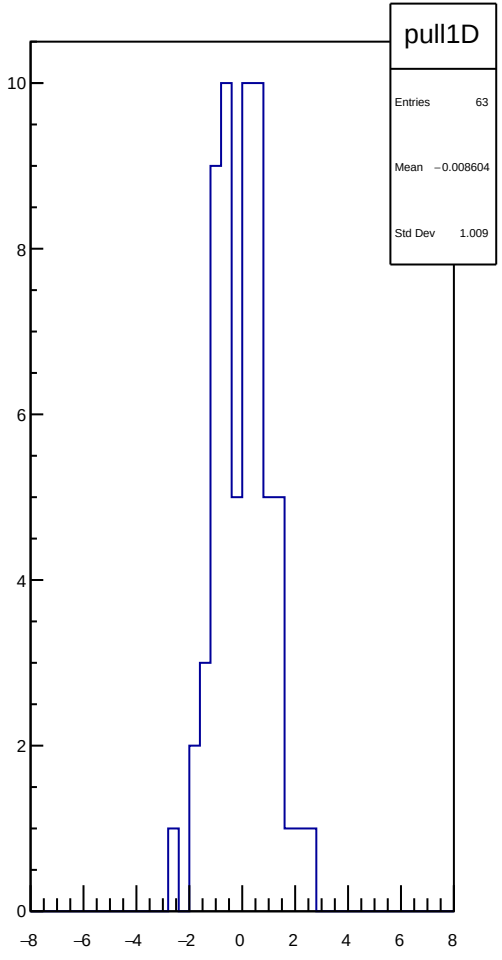

eigen_dit_asym_sam8_rms vs run
χ² / ndf 7045 / 62
p0 109.2 ± 0.0995
120
110
100
90
80

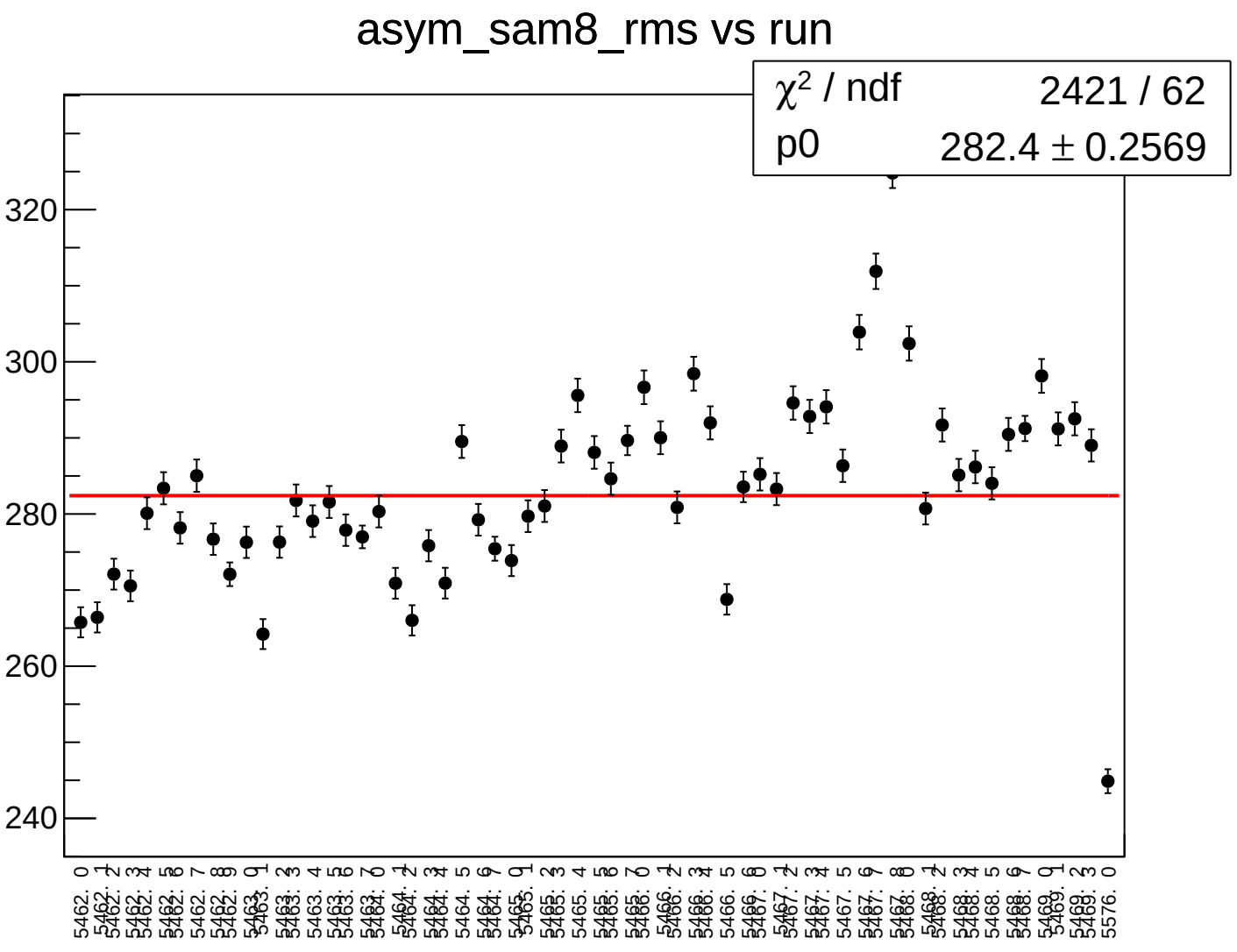

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 67.65 / 62
p0 142.1 ± 344.2
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 106.7
Std Dev 0
3
2
1
0
−1
−2

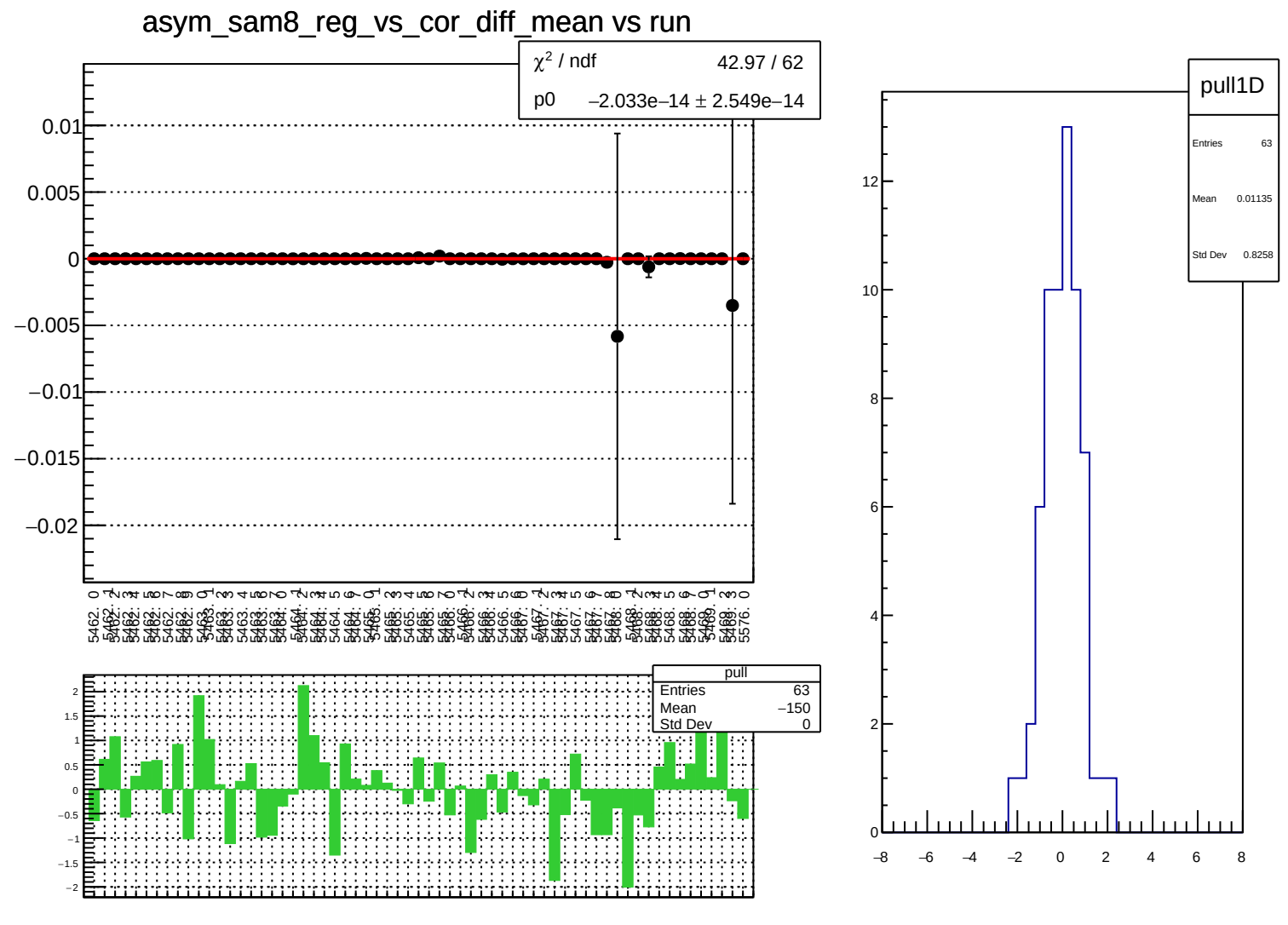

pull1D
Entries 63
Mean 0.009303
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

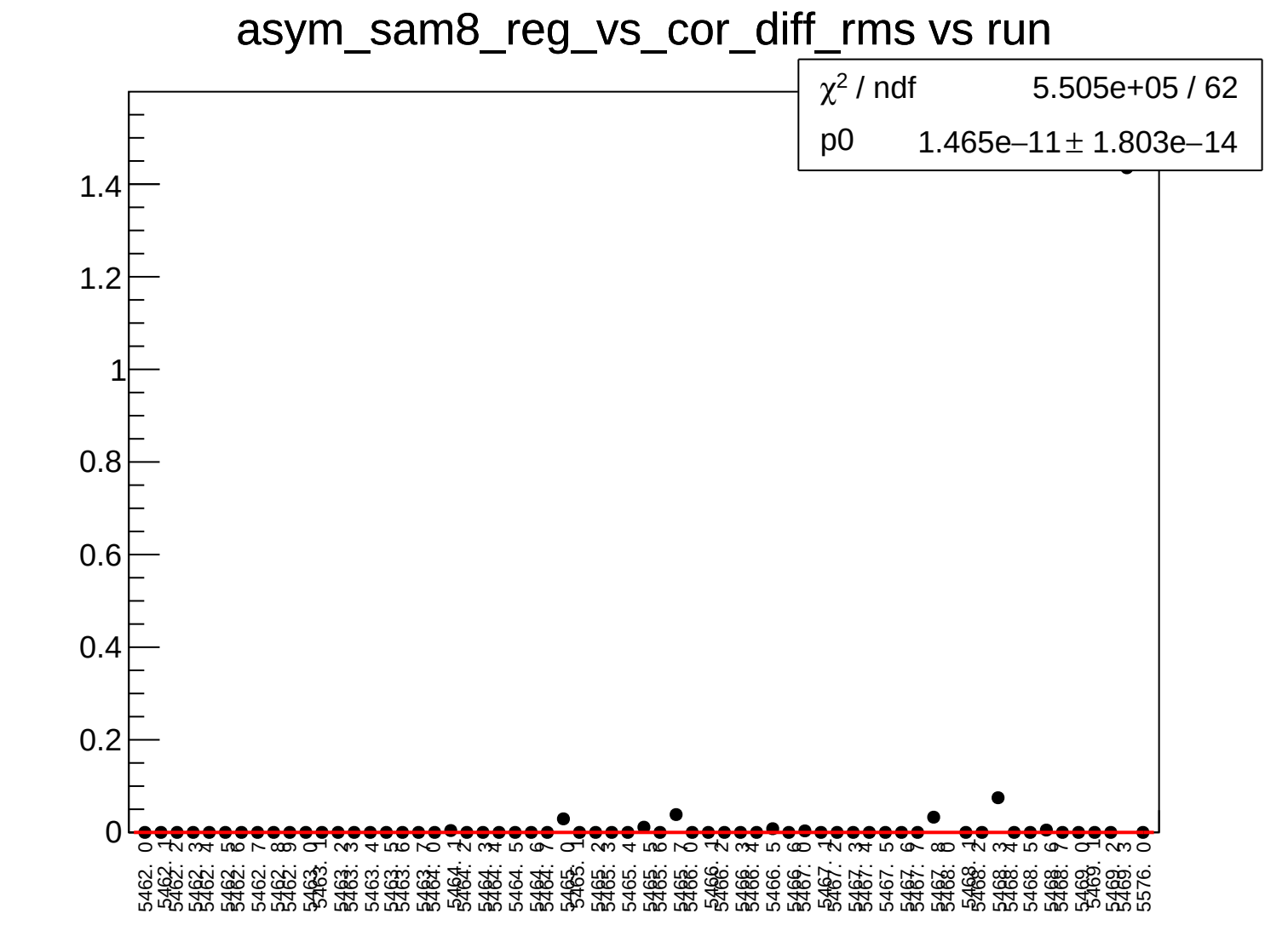

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 678.7 / 62
p0 267.8 ± 0.2434
285
280
275
270
265
260
255

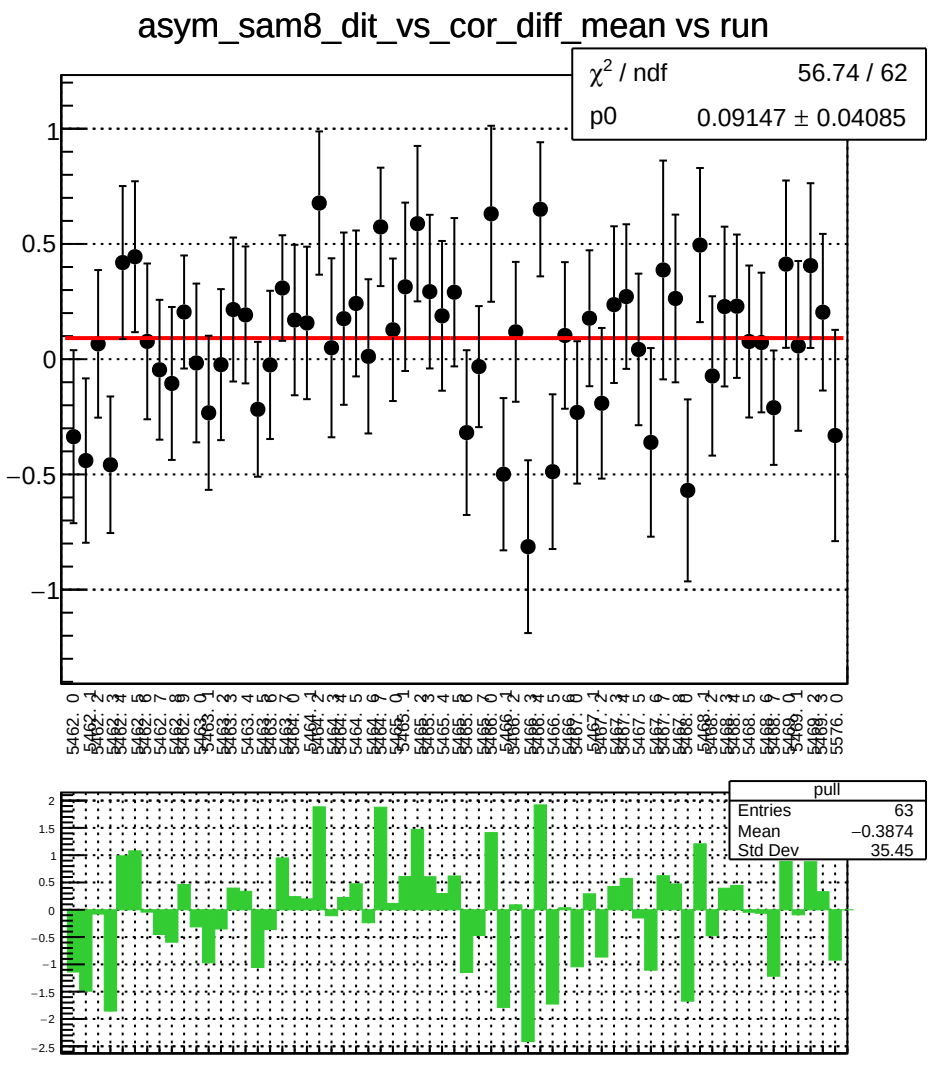

asym_sam8_mean vs run
χ² / ndf 64.11 / 62
p0 −14.97 ± 363.3
10000
5000
0
−5000
−10000
pull
Entries 63
Mean 102.1
Std Dev 0
2
1
0
−1
−2

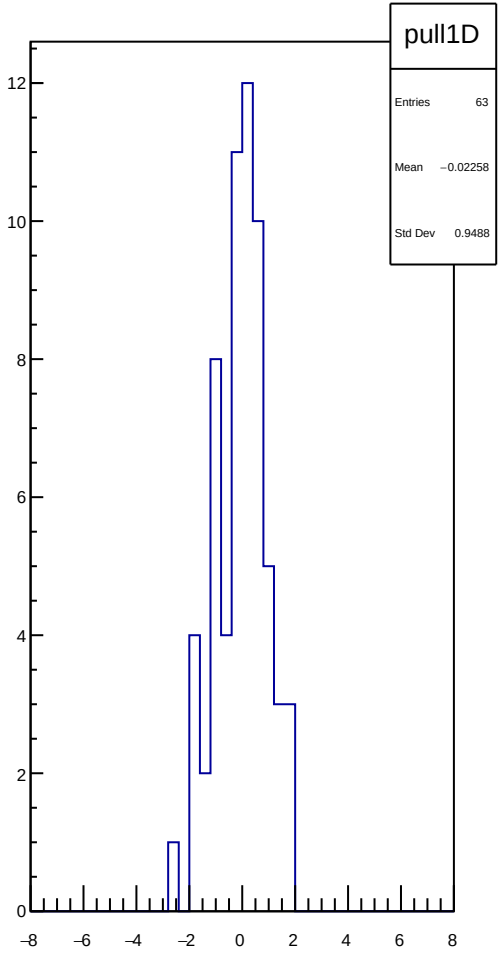

pull1D
Entries 63
Mean −0.008604
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

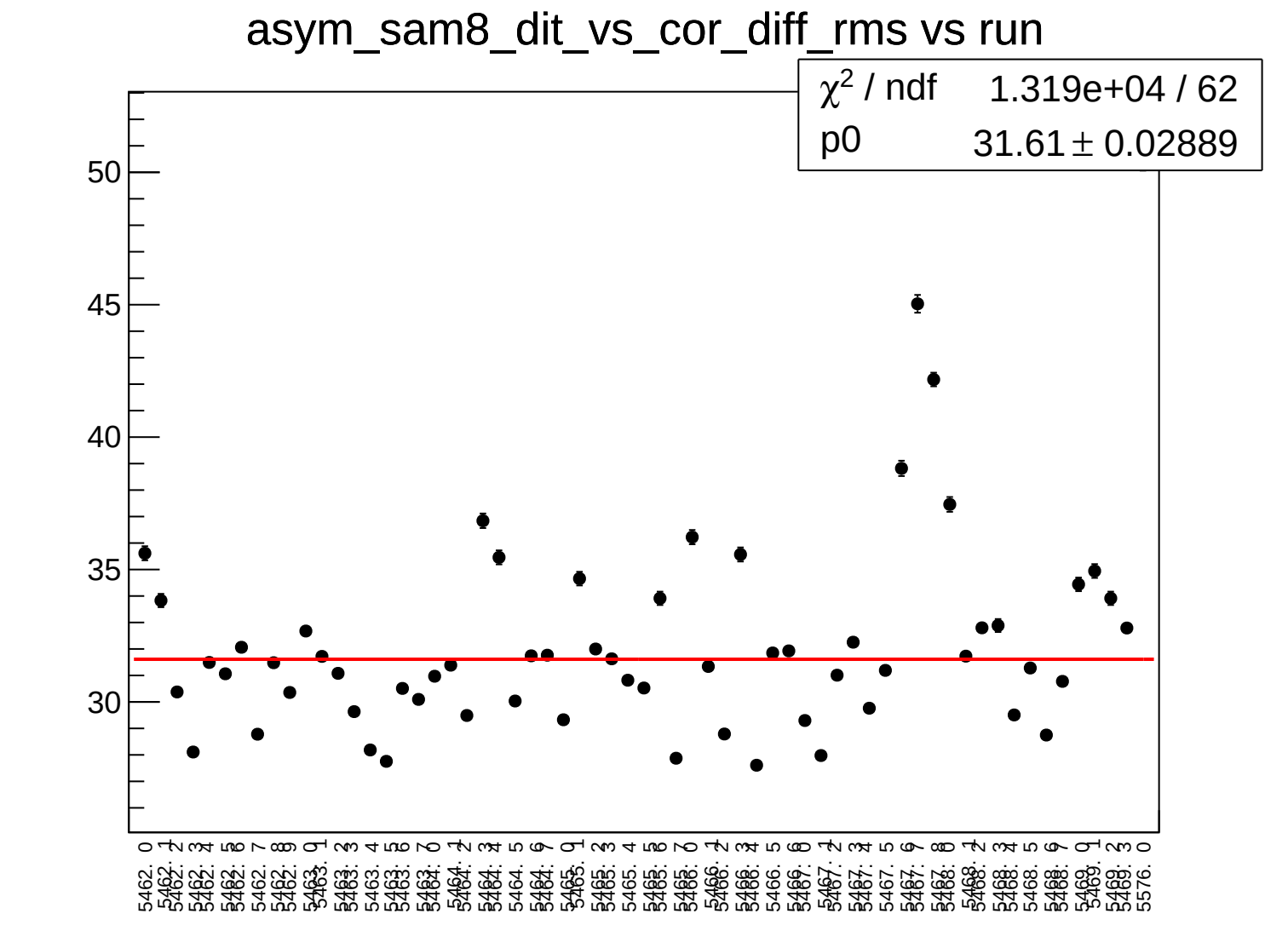

asym_sam8_rms vs run
χ² / ndf 2421 / 62
p0 282.4 ± 0.2569
320
300
280
260
240

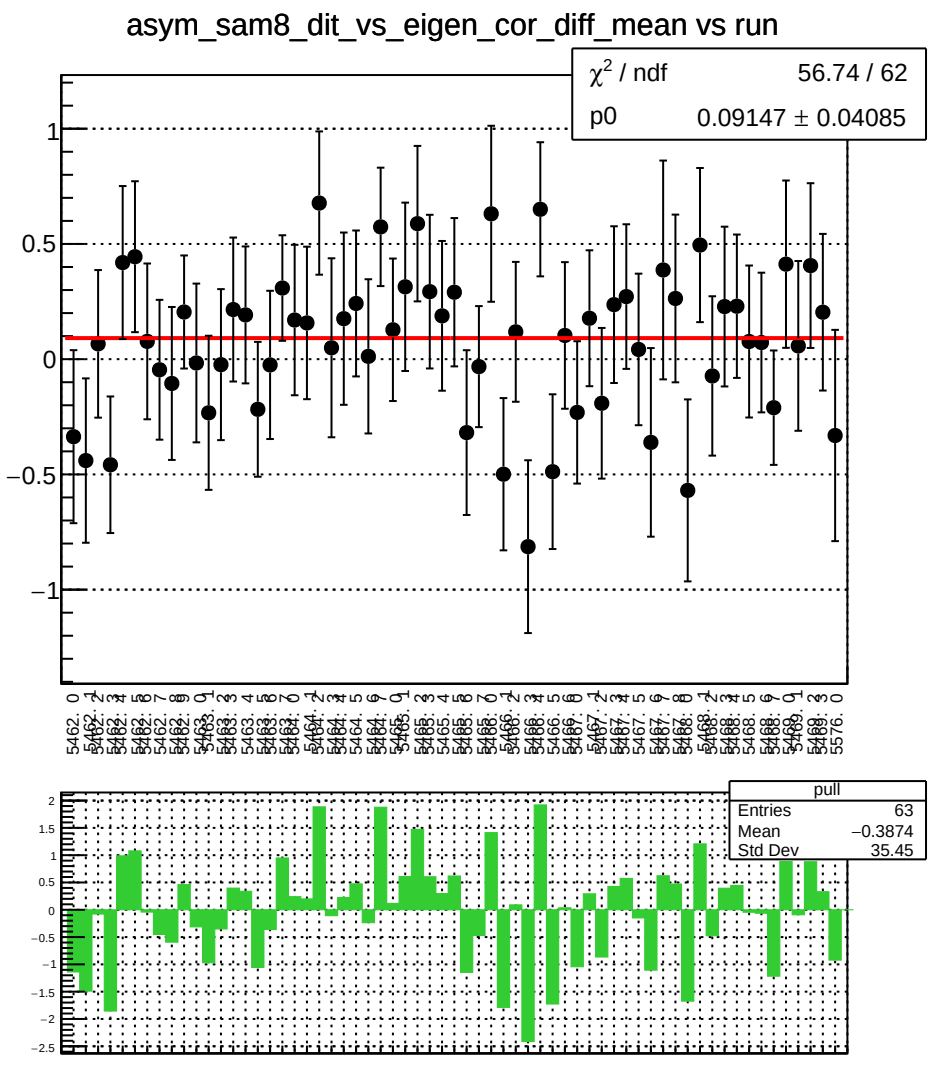

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 42.97 / 62
p0 −2.033e−14 ± 2.549e−14
pull
Entries 63
Mean −150
Std Dev 0
pull1D
Entries 63
Mean 0.01135
Std Dev 0.8258

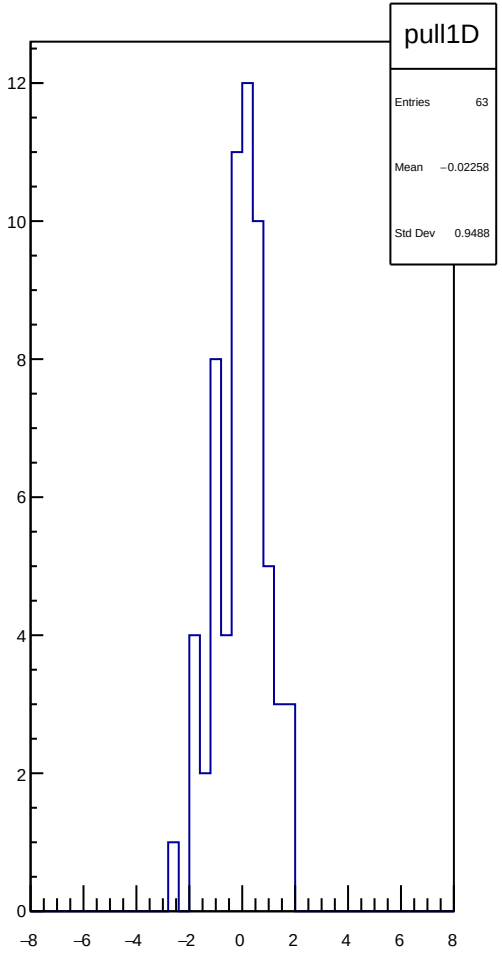

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.505e+05 / 62
p0 1.465e−11 ± 1.803e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

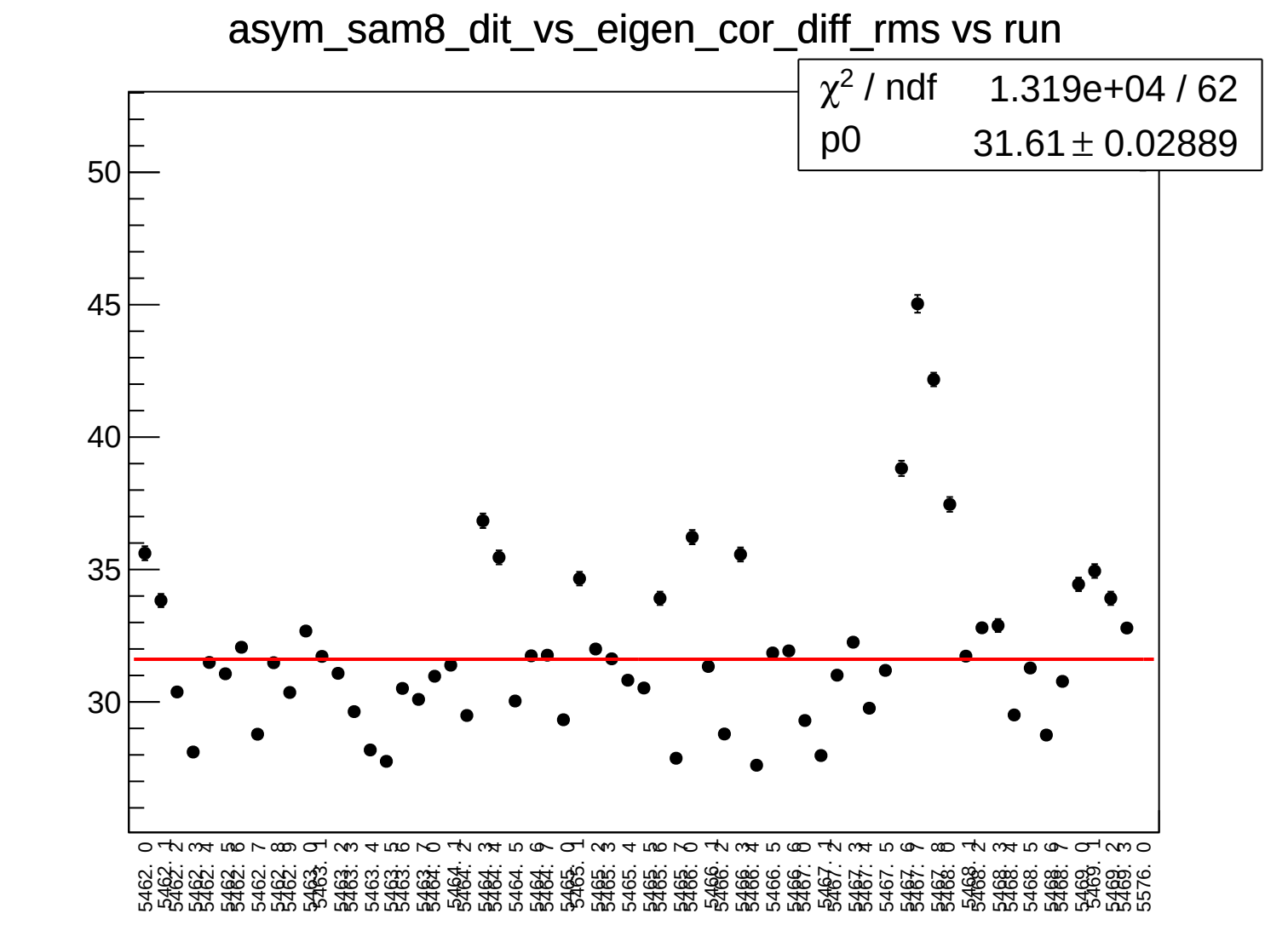

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 56.74 / 62
p0 0.09147 ± 0.04085
pull
Entries 63
Mean −0.3874
Std Dev 35.45

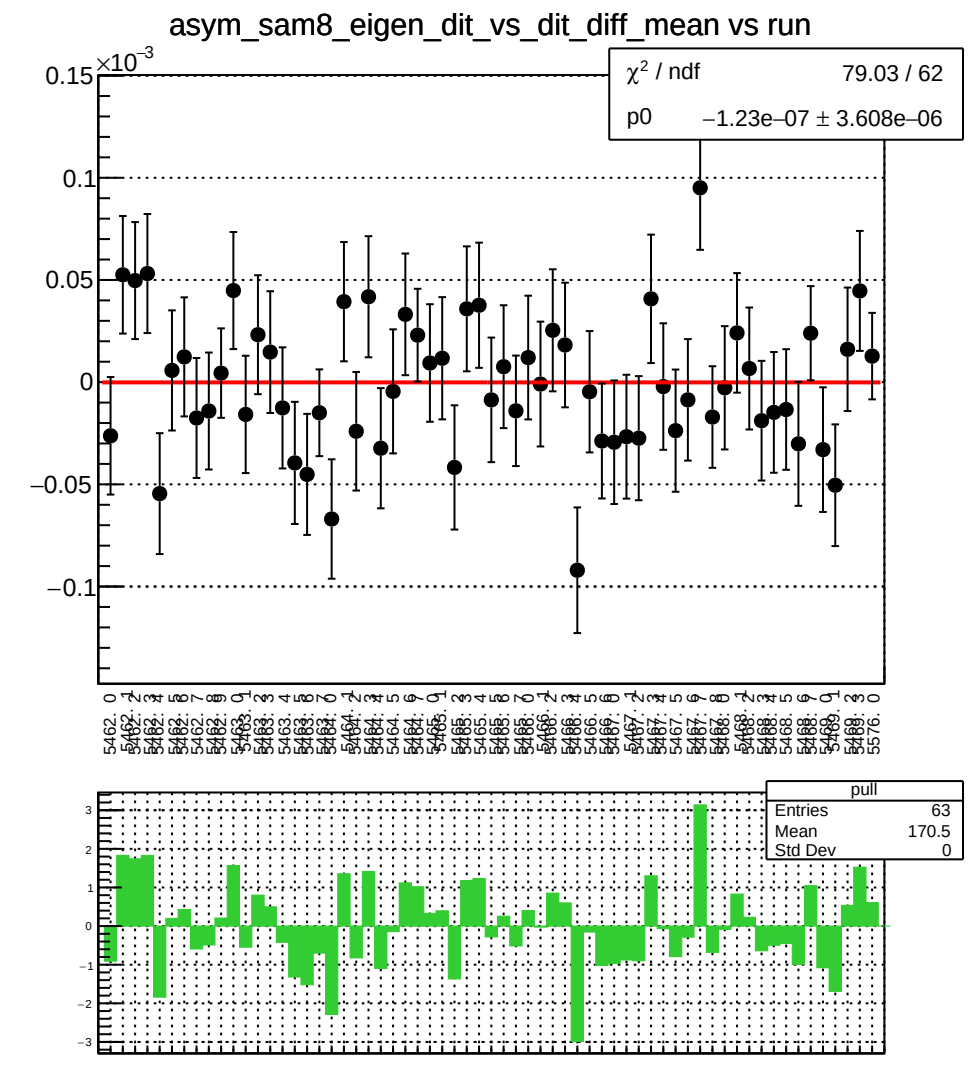

pull1D
Entries 63
Mean −0.02258
Std Dev 0.9488

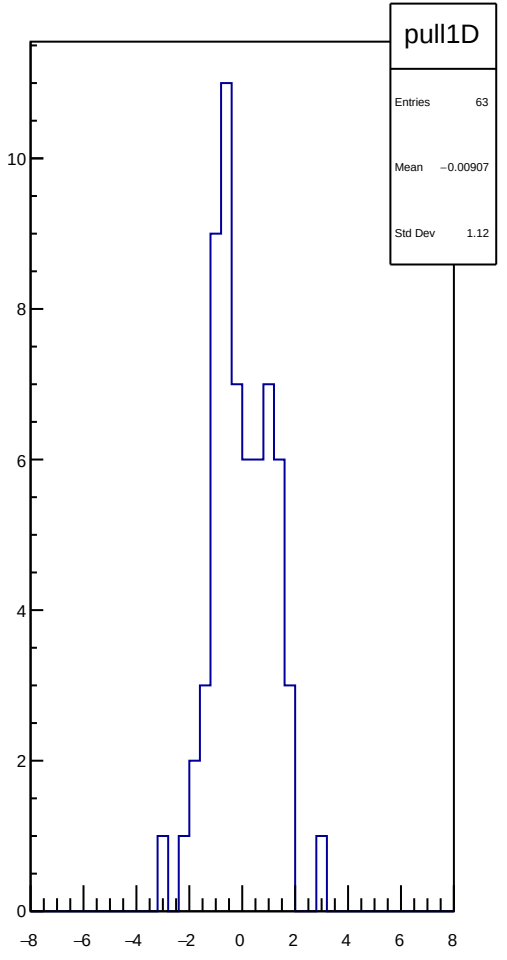

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 62
p0 31.61 ± 0.02889
50
45
40
35
30

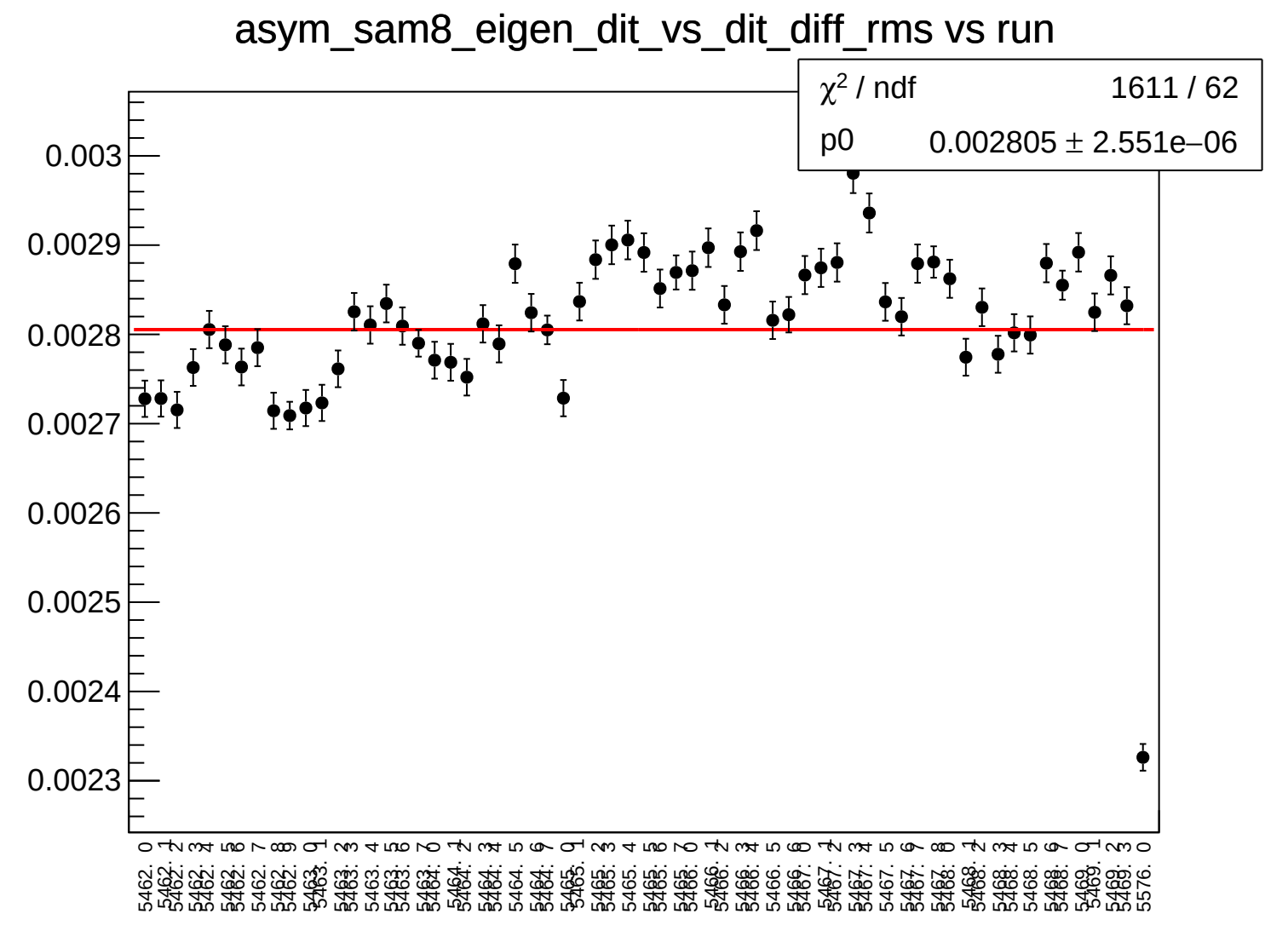

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.74 / 62
p0 0.09147 ± 0.04085
pull
Entries 63
Mean −0.3874
Std Dev 35.45

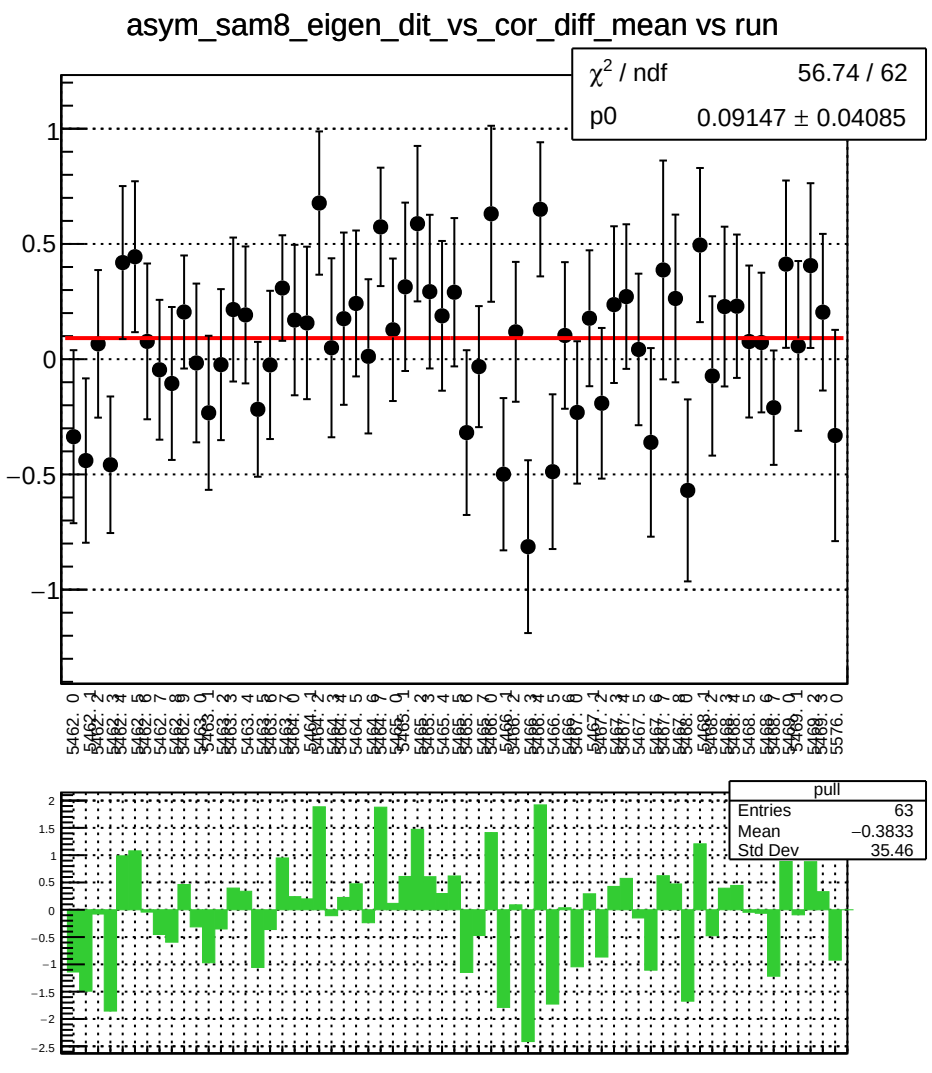

pull1D
Entries 63
Mean −0.02258
Std Dev 0.9488

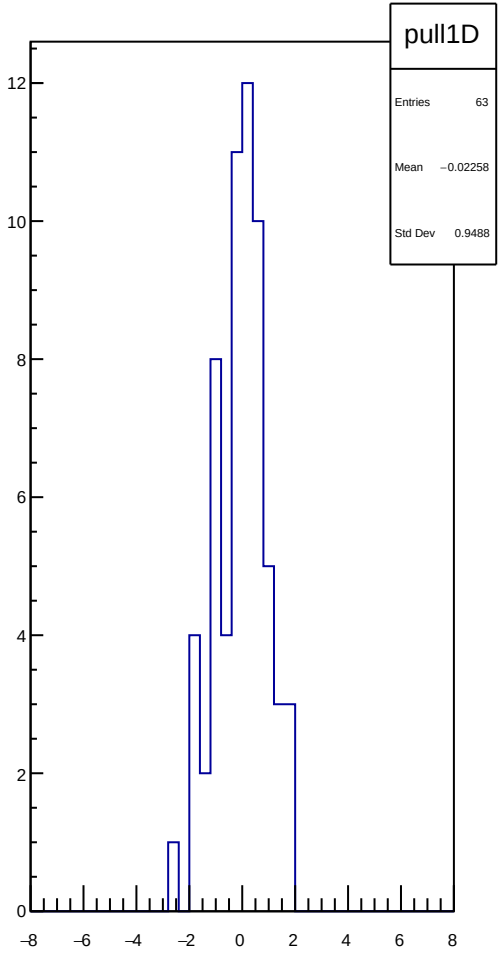

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 62
p0 31.61 ± 0.02889
50
45
40
35
30

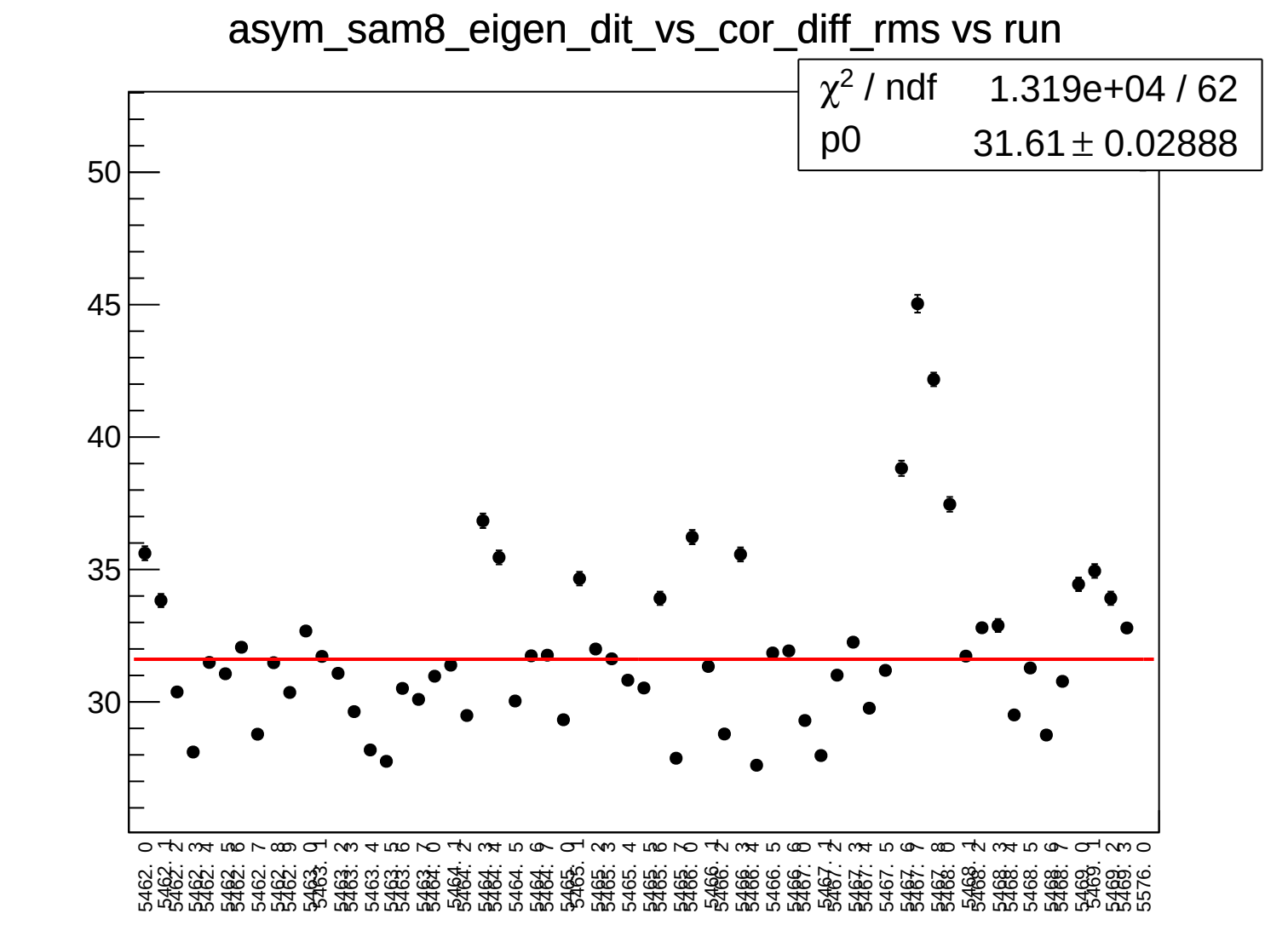

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 79.03 / 62
p0 −1.23e−07 ± 3.608e−06
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean 170.5
Std Dev 0
3
2
1
0
−1
−2
−3

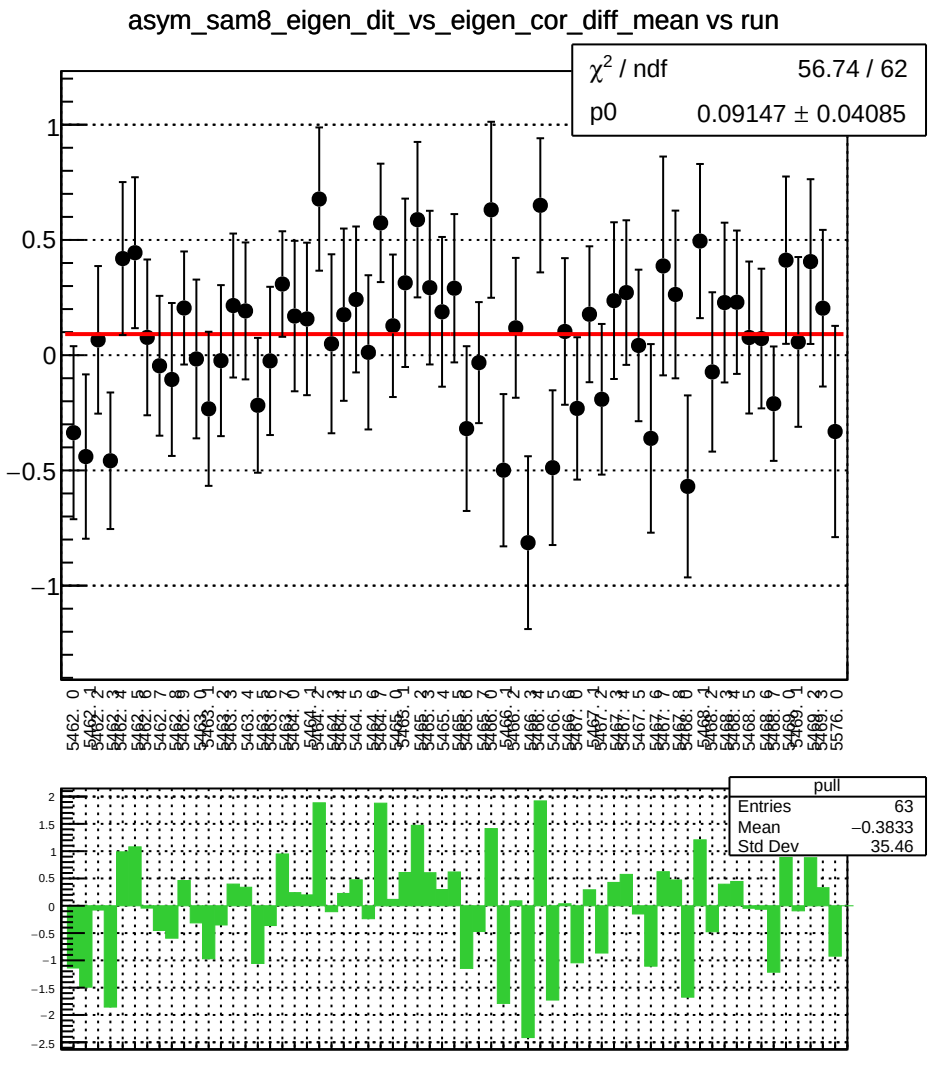

pull1D
Entries 63
Mean −0.00907
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

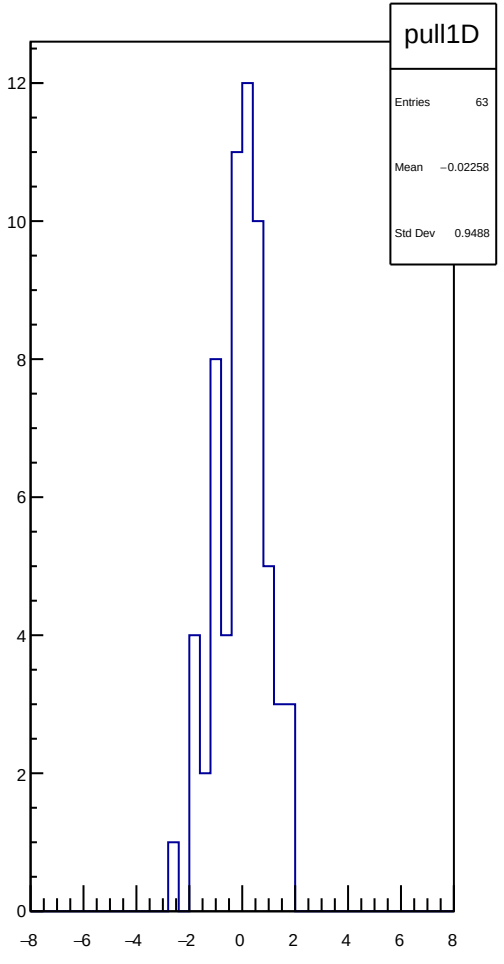

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1611 / 62
p0 0.002805 ± 2.551e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

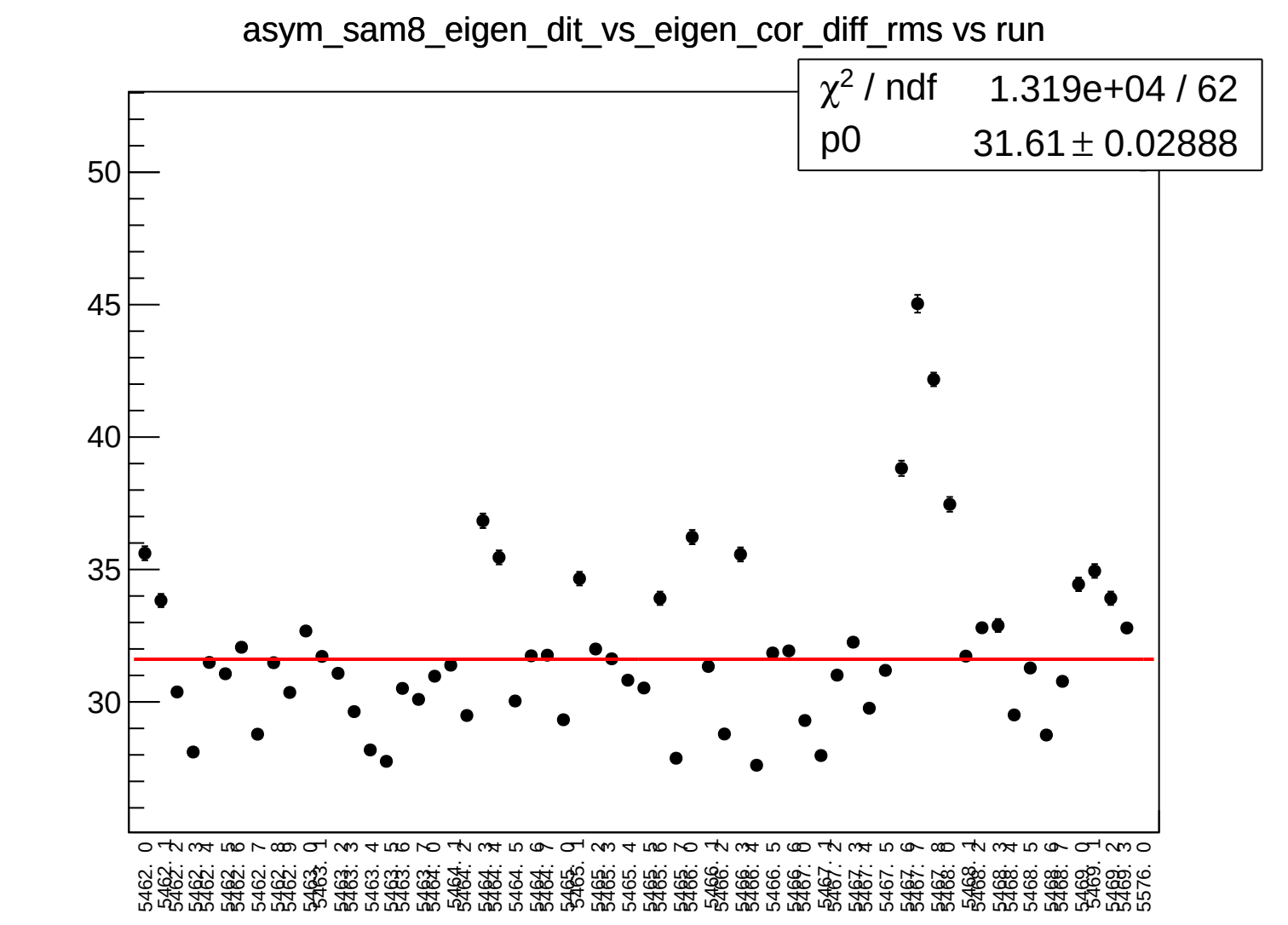

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.74 / 62
p0 0.09147 ± 0.04085
pull
Entries 63
Mean −0.3833
Std Dev 35.46

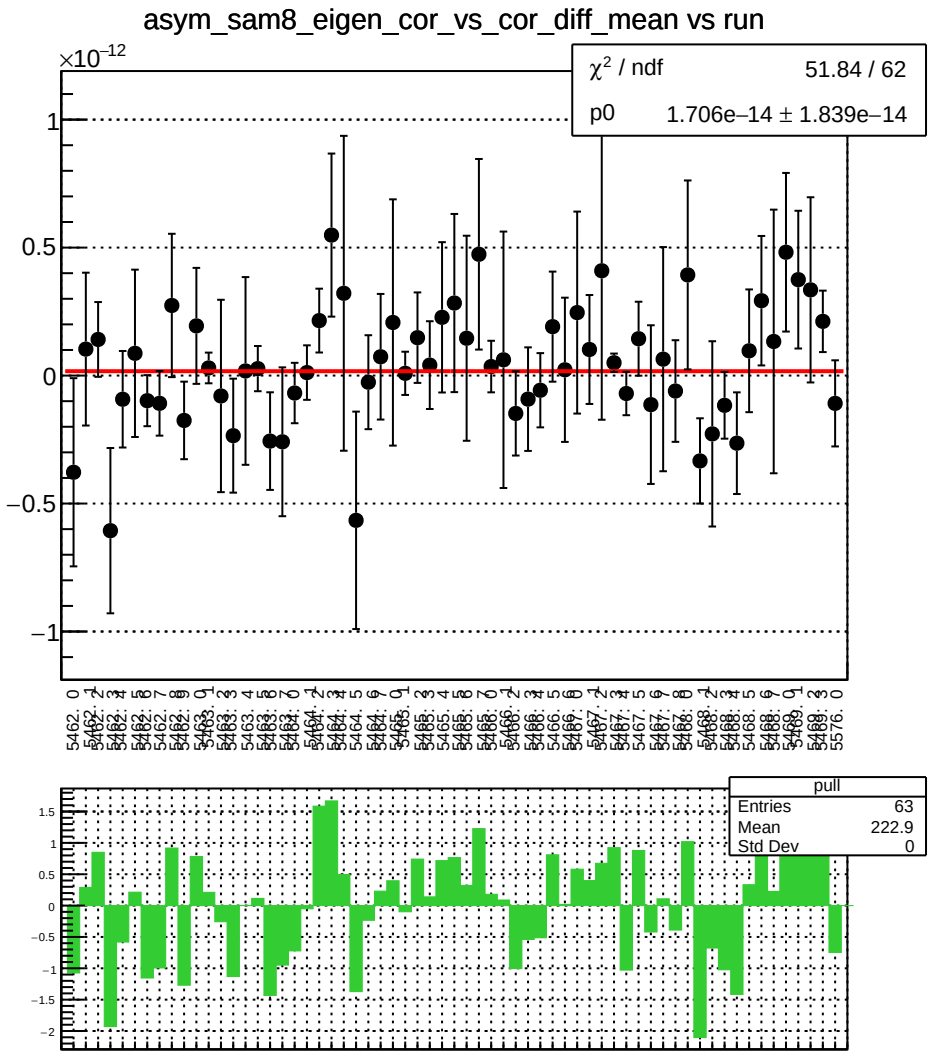

pull1D
Entries 63
Mean −0.02258
Std Dev 0.9488

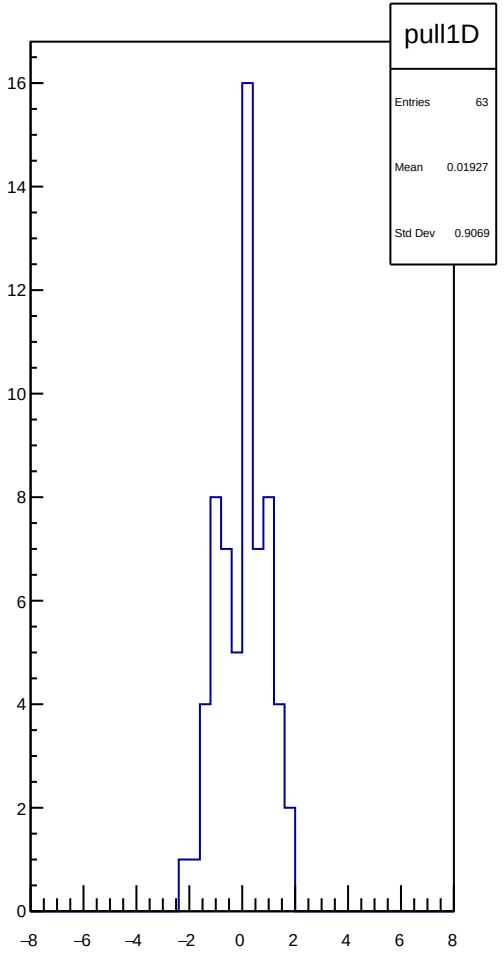

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 62
p0 31.61 ± 0.02888
50
45
40
35
30

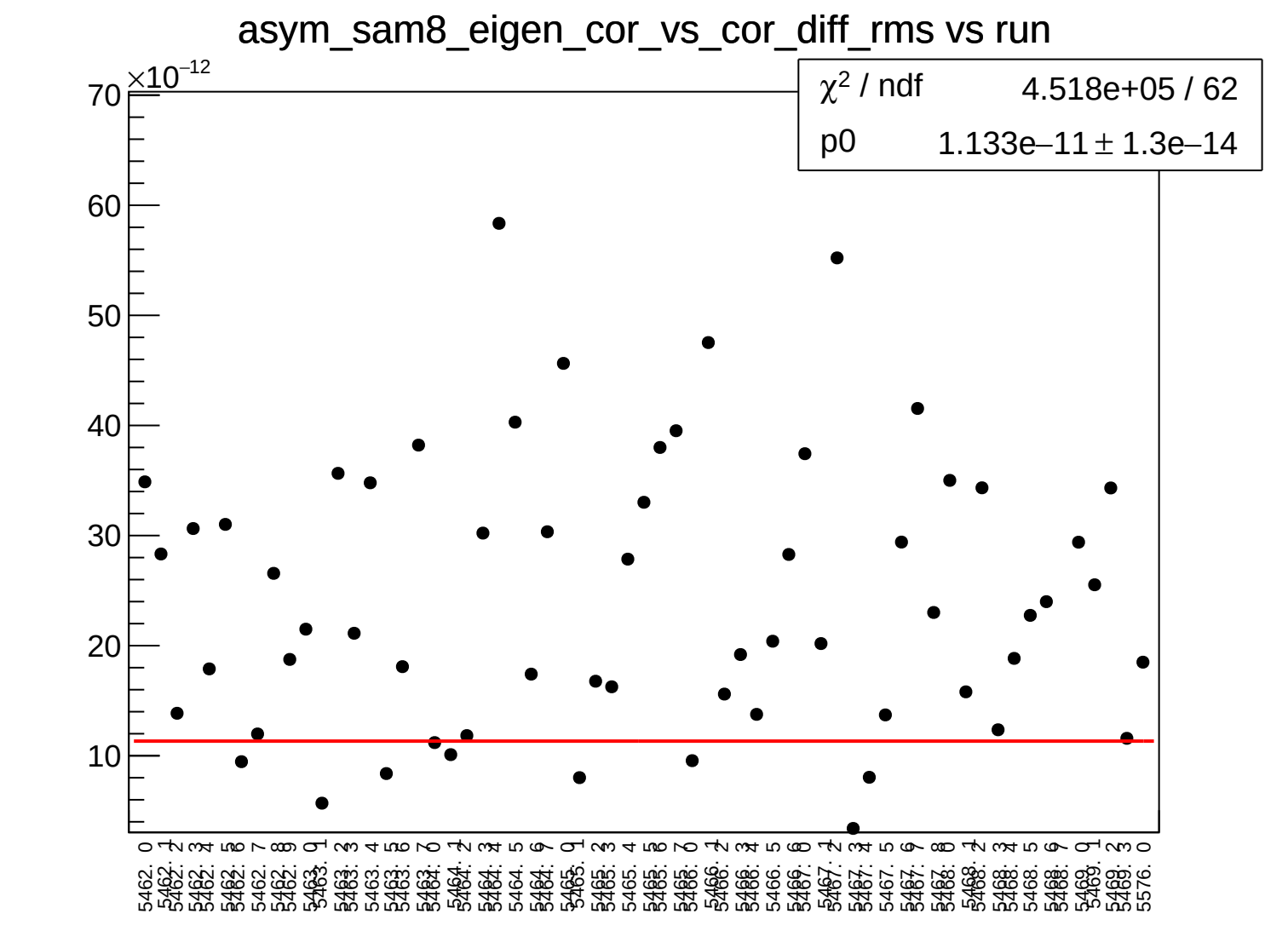

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.74 / 62
p0 0.09147 ± 0.04085
pull
Entries 63
Mean −0.3833
Std Dev 35.46

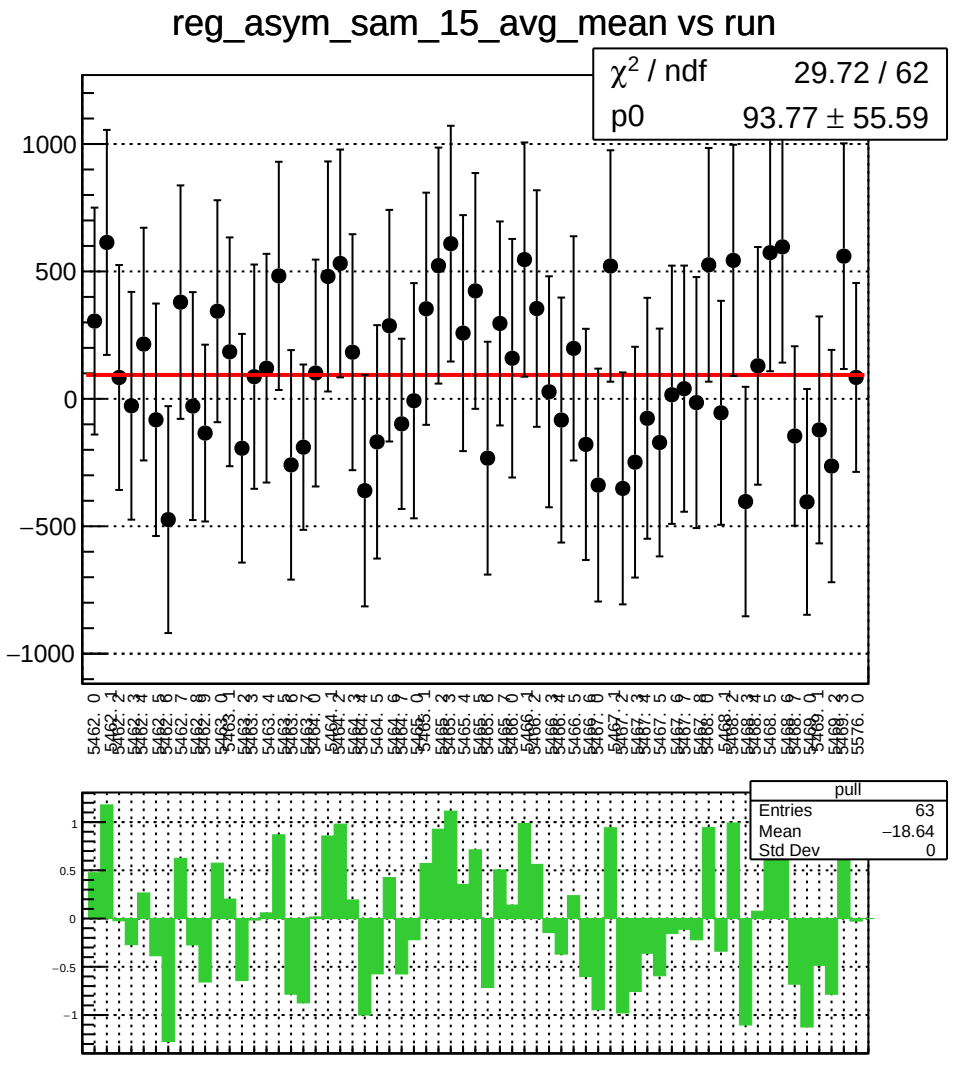

pull1D
Entries 63
Mean −0.02258
Std Dev 0.9488

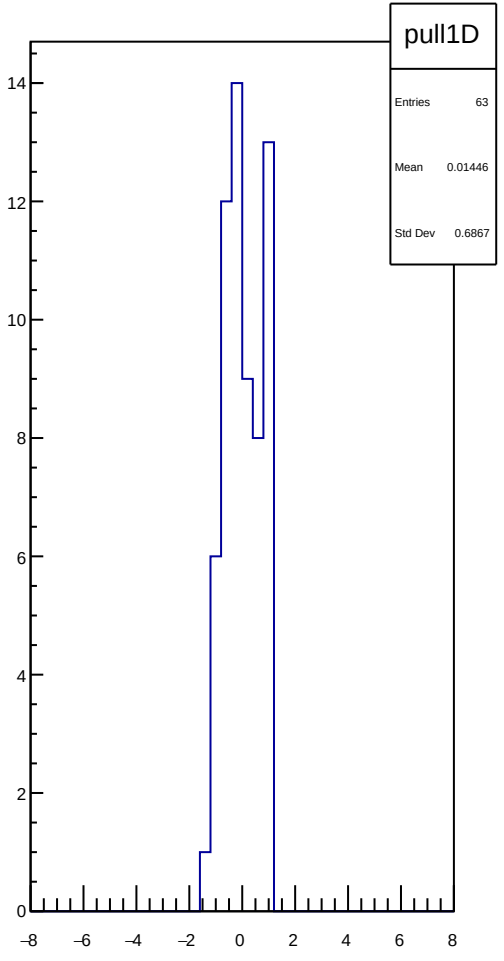

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 62
p0 31.61 ± 0.02888
50
45
40
35
30

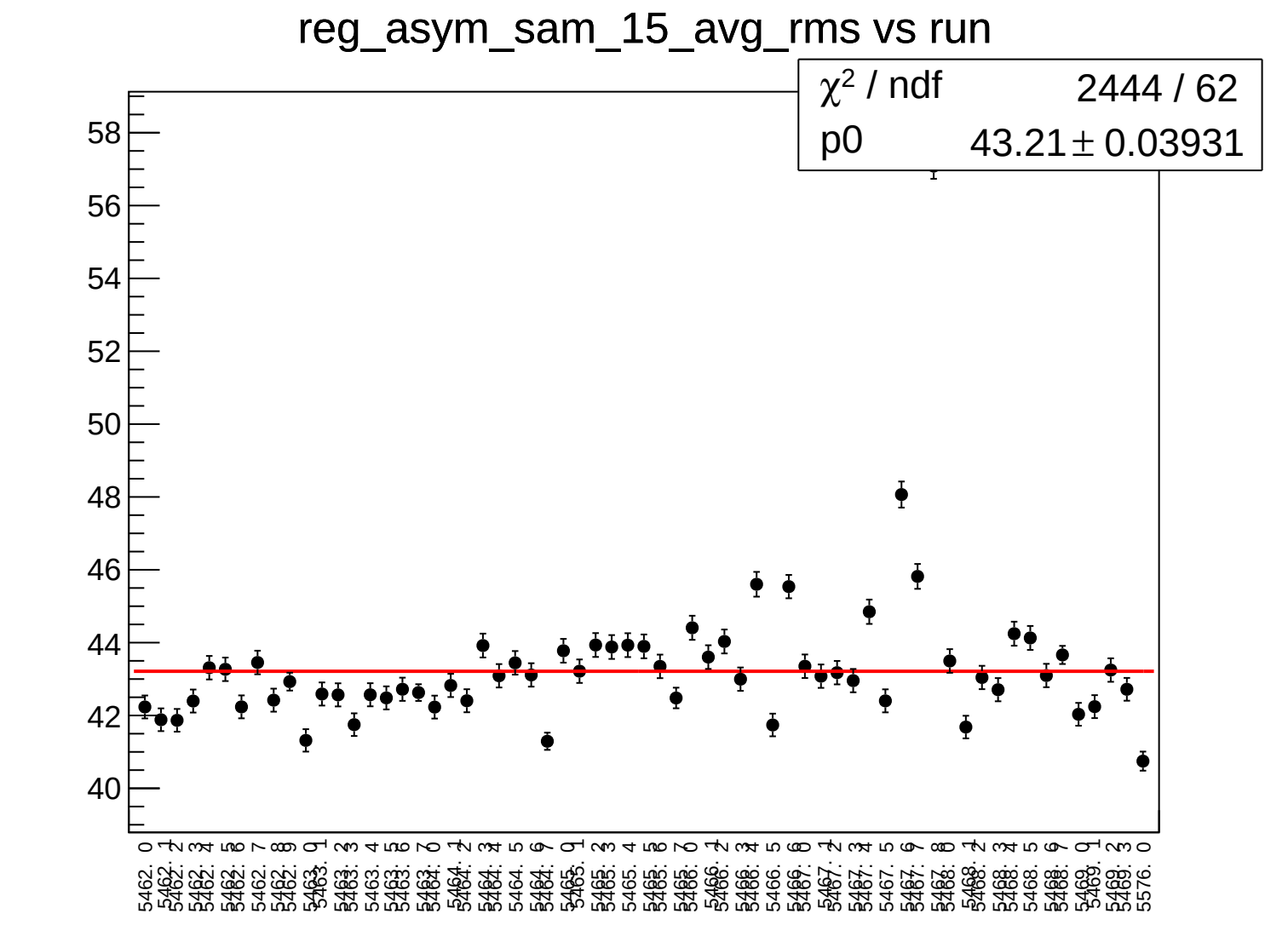

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.84 / 62
p0 1.706e−14 ± 1.839e−14
pull
Entries 63
Mean 222.9
Std Dev 0

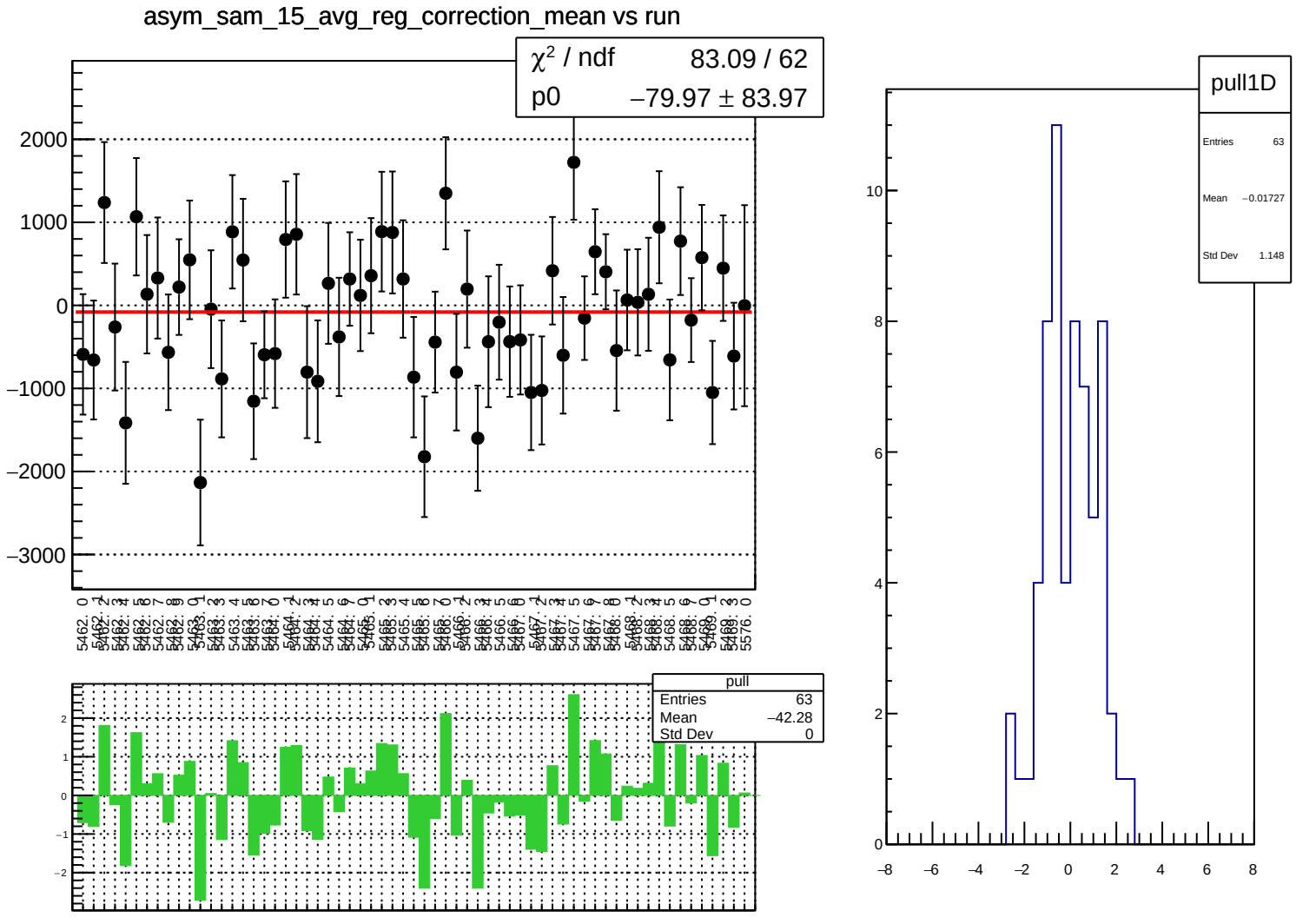

pull1D
Entries 63
Mean 0.01927
Std Dev 0.9069

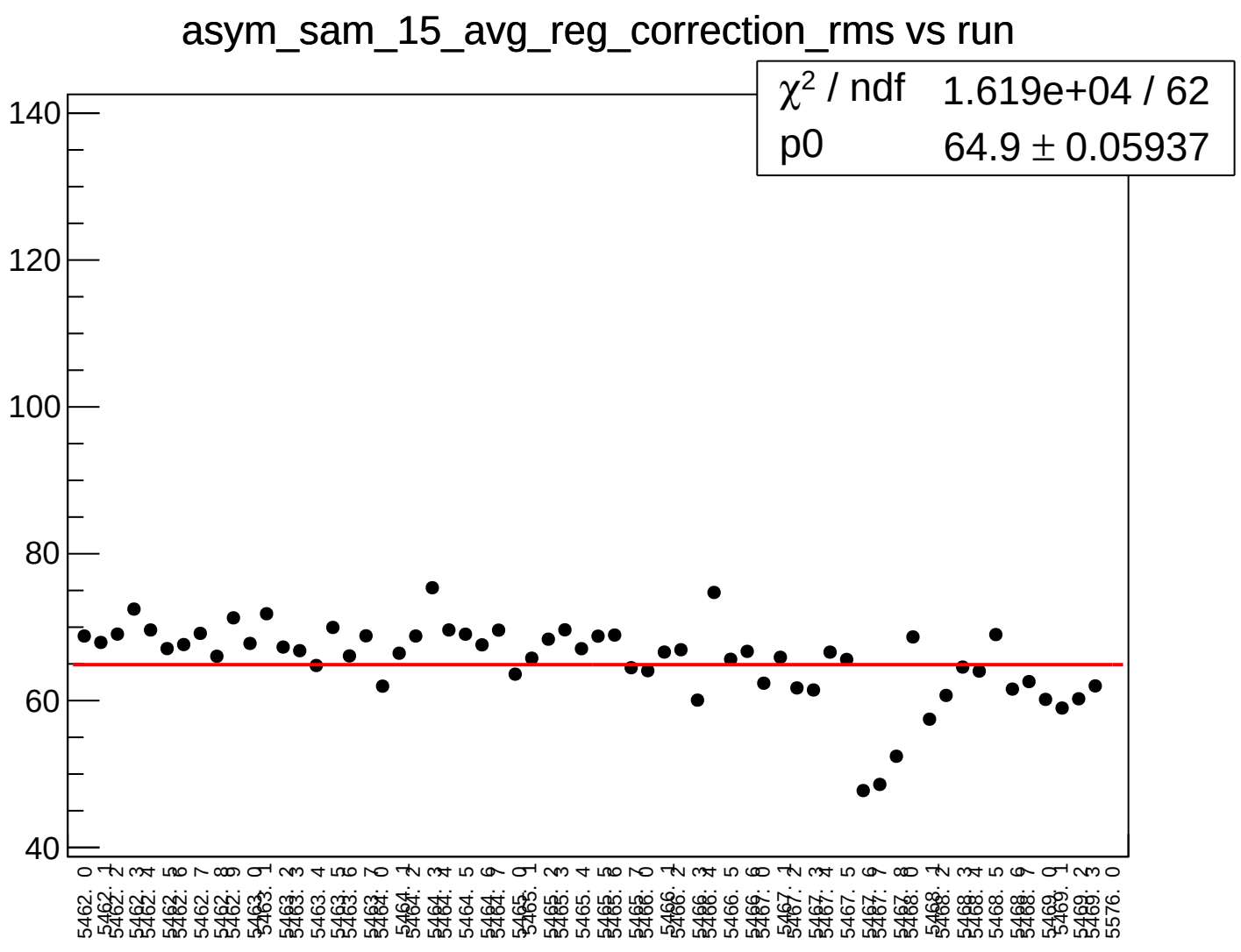

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 4.518e+05 / 62
p0 1.133e−11 ± 1.3e−14

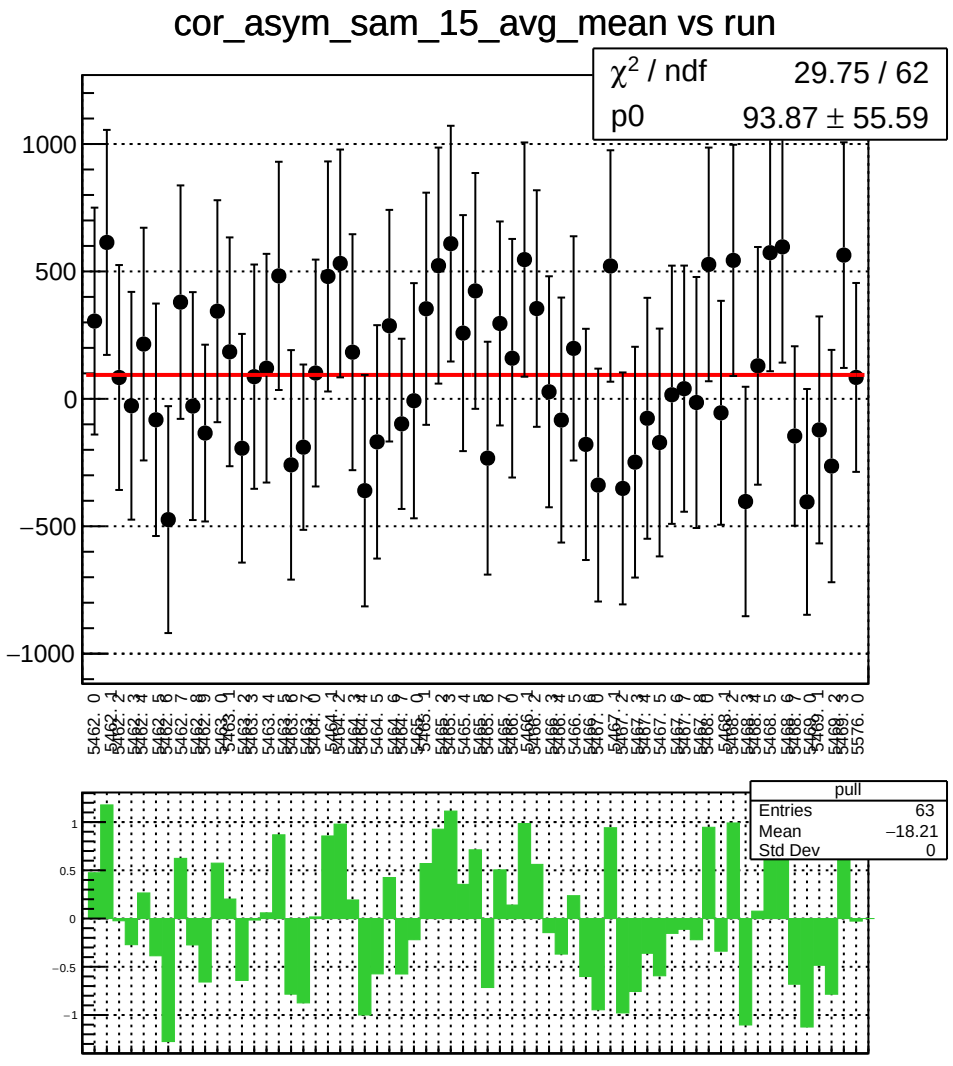

reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 29.72 / 62
p0 93.77 ± 55.59
1000
500
0
−500
−1000
pull
Entries 63
Mean −18.64
Std Dev 0
1
0.5
0
−0.5
−1

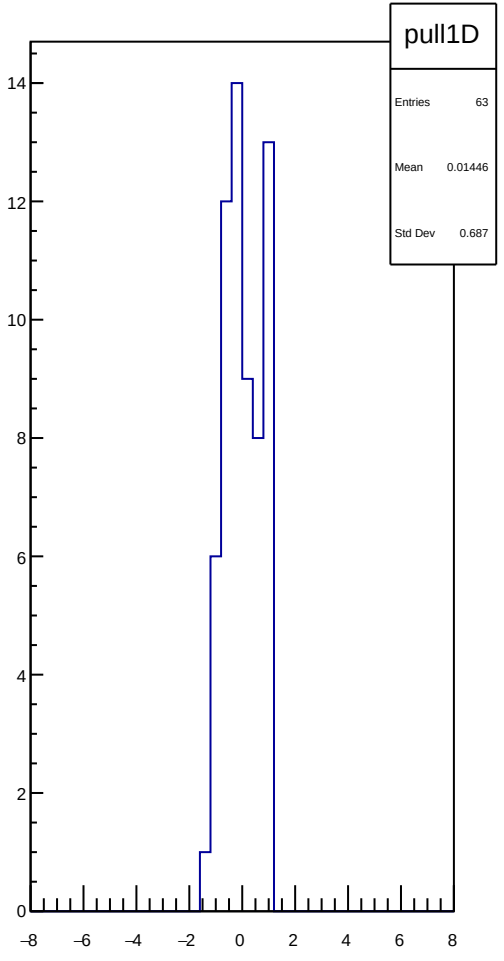

pull1D
Entries 63
Mean 0.01446
Std Dev 0.6867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

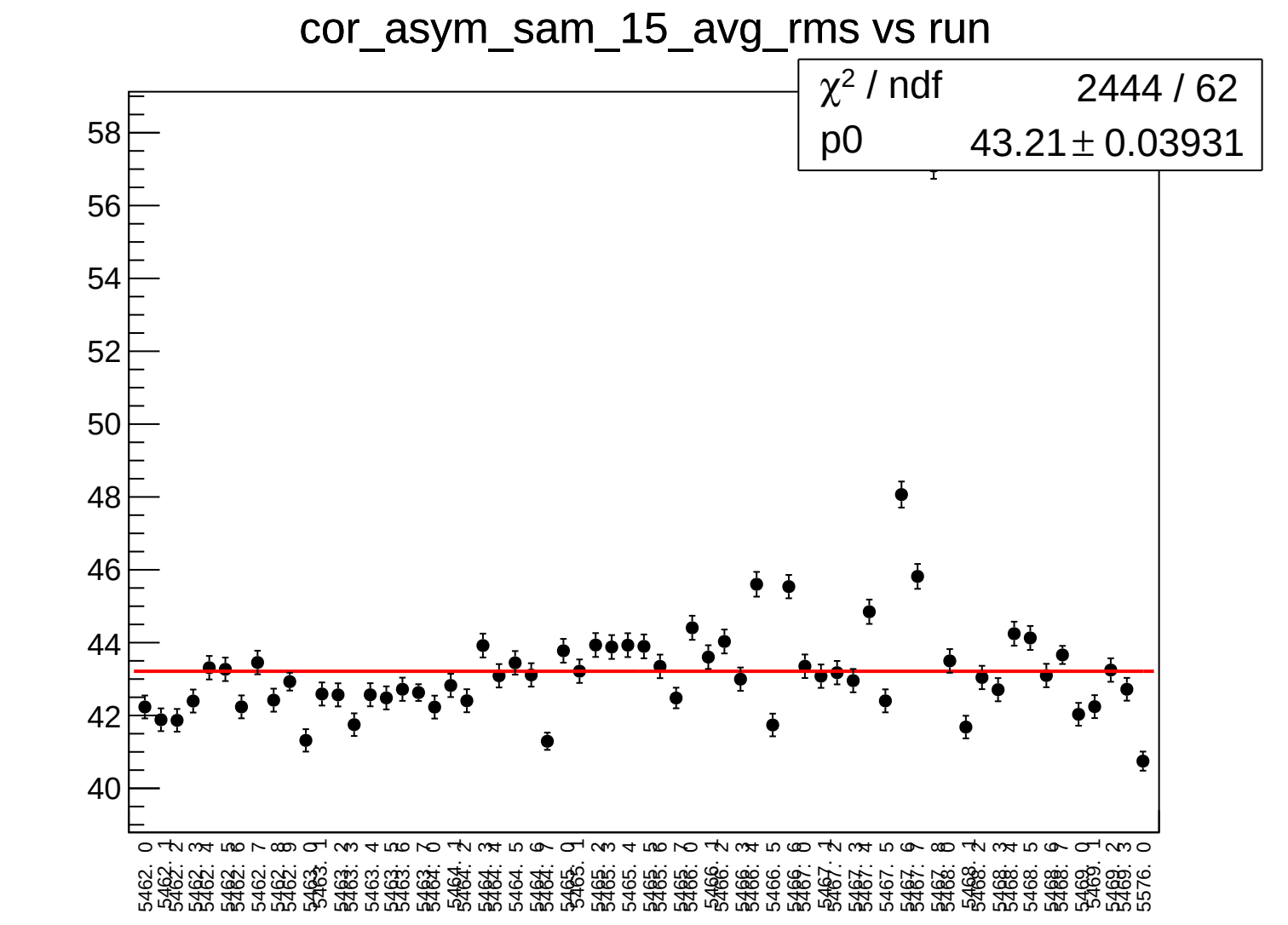

reg_asym_sam_15_avg_rms vs run
χ² / ndf 2444 / 62
p0 43.21 ± 0.03931
58
56
54
52
50
48
46
44
42
40

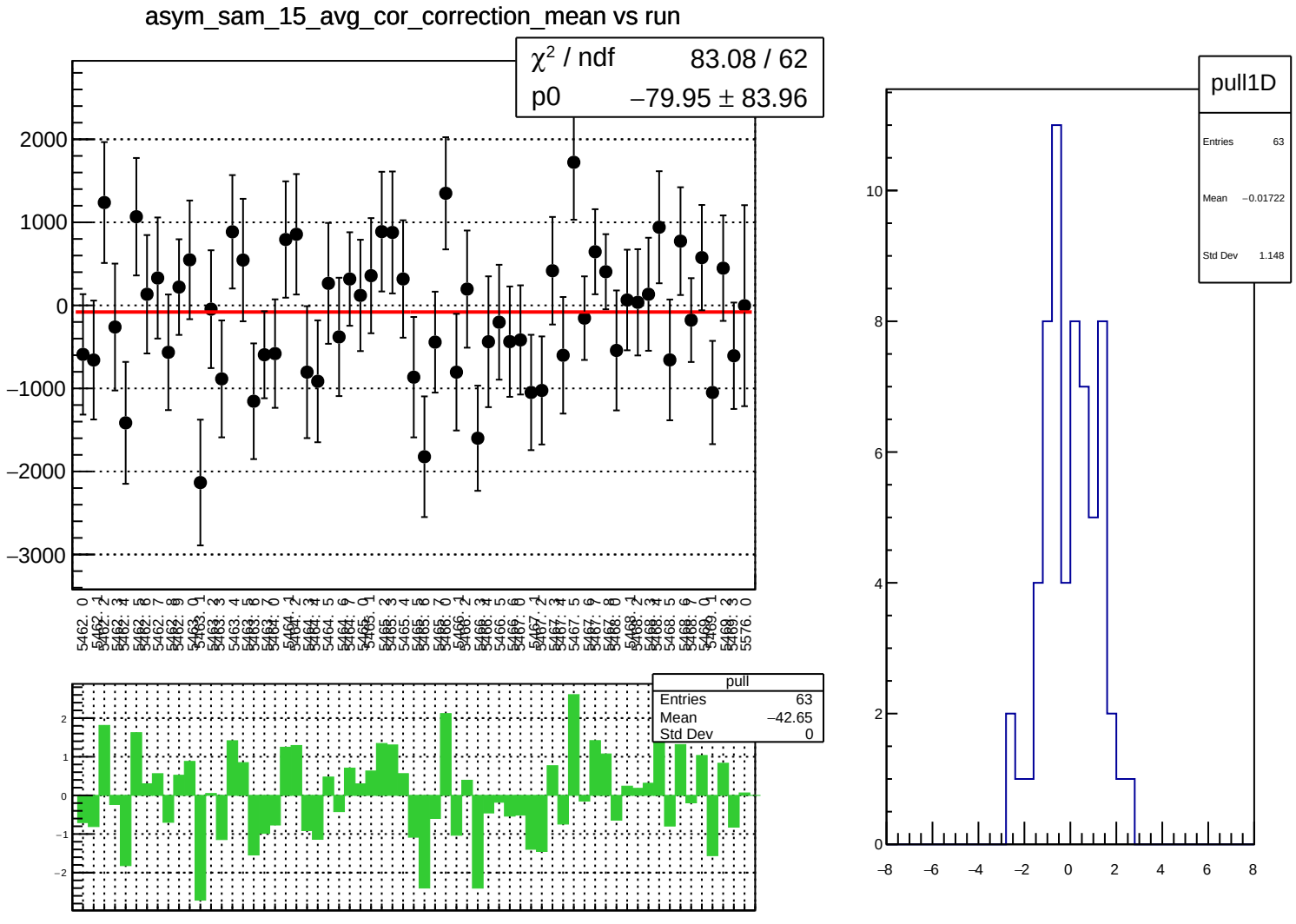

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 83.09 / 62
p0 −79.97 ± 83.97
2000
1000
0
−1000
−2000
−3000
pull
Entries 63
Mean −42.28
Std Dev 0
pull1D
Entries 63
Mean −0.01727
Std Dev 1.148
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

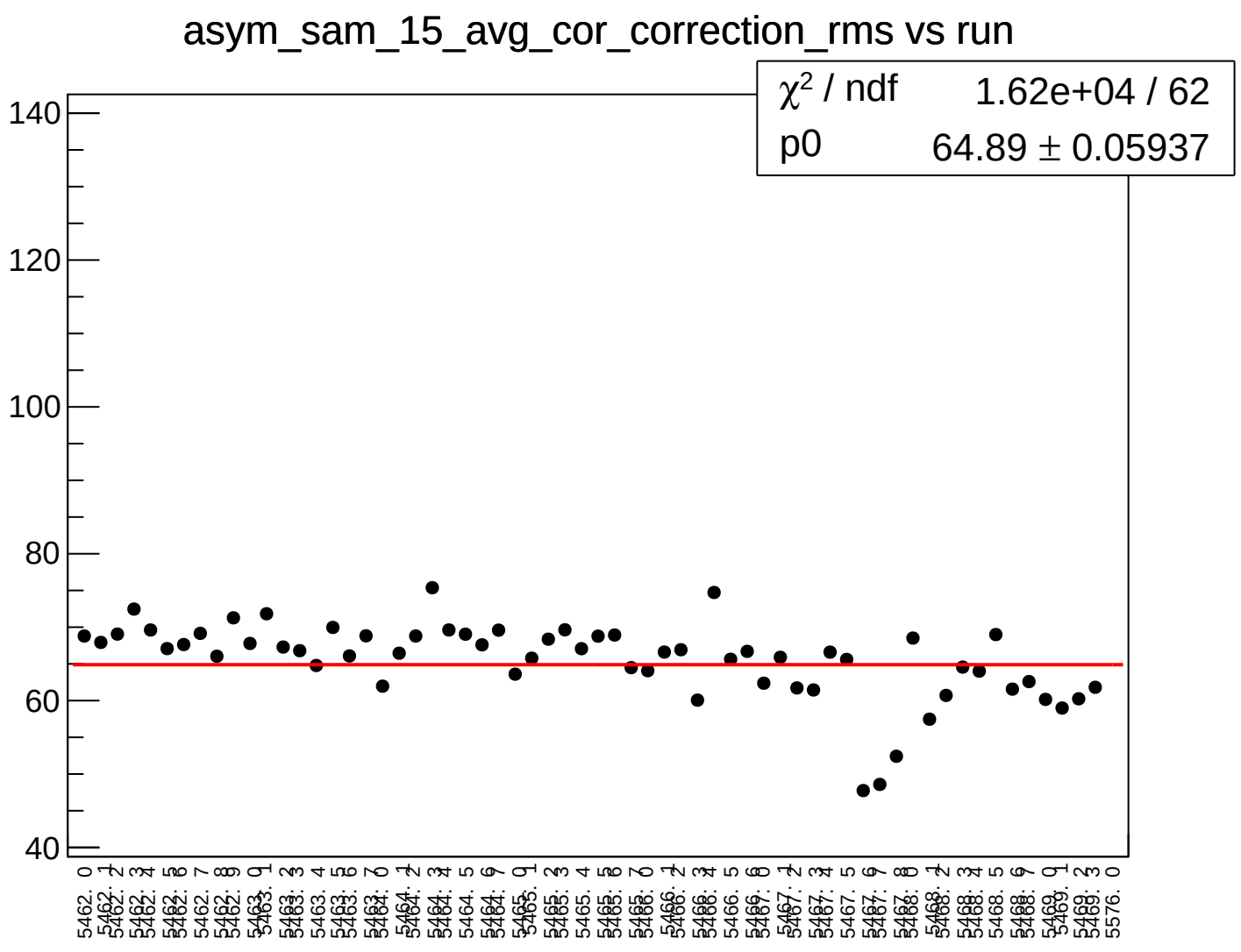

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.619e+04 / 62
p0 64.9 ± 0.05937
140
120
100
80
60
40

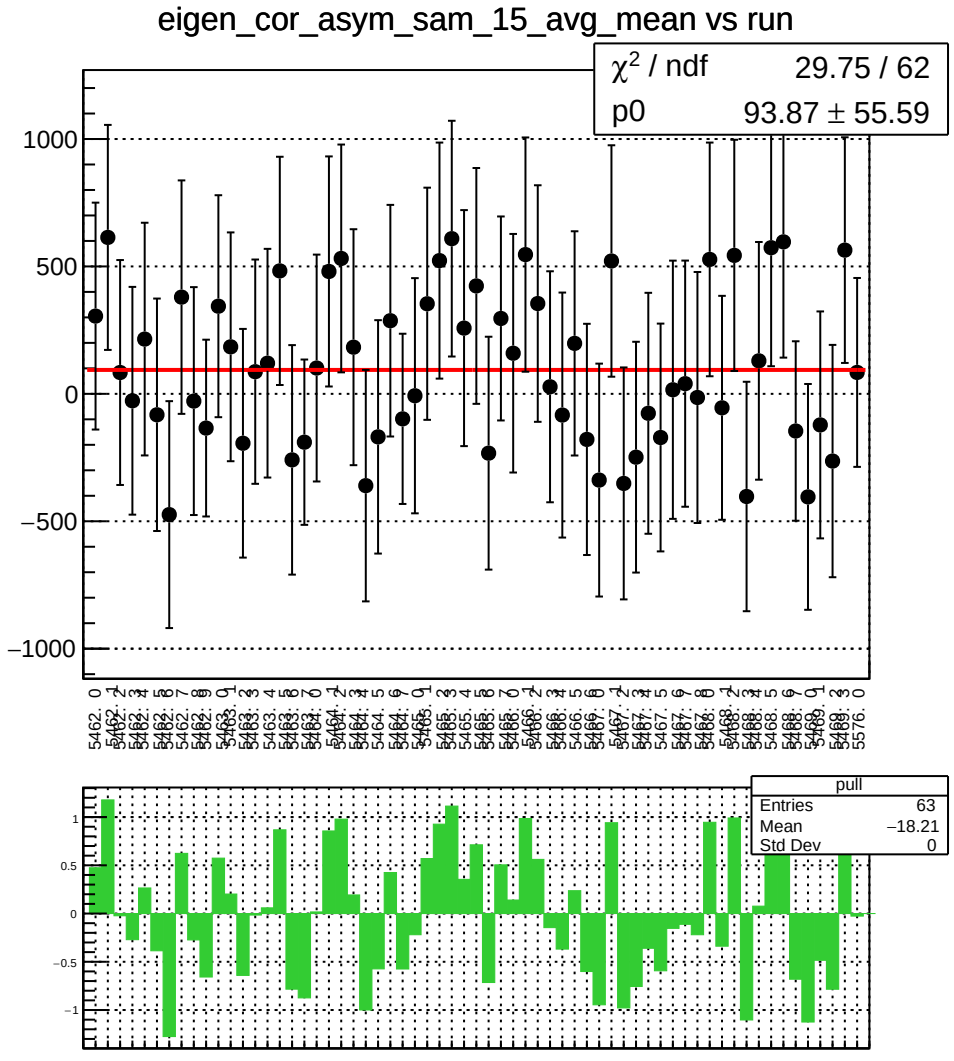

cor_asym_sam_15_avg_mean vs run
χ² / ndf 29.75 / 62
p0 93.87 ± 55.59
1000
500
0
−500
−1000
pull
Entries 63
Mean −18.21
Std Dev 0
1
0.5
0
−0.5
−1

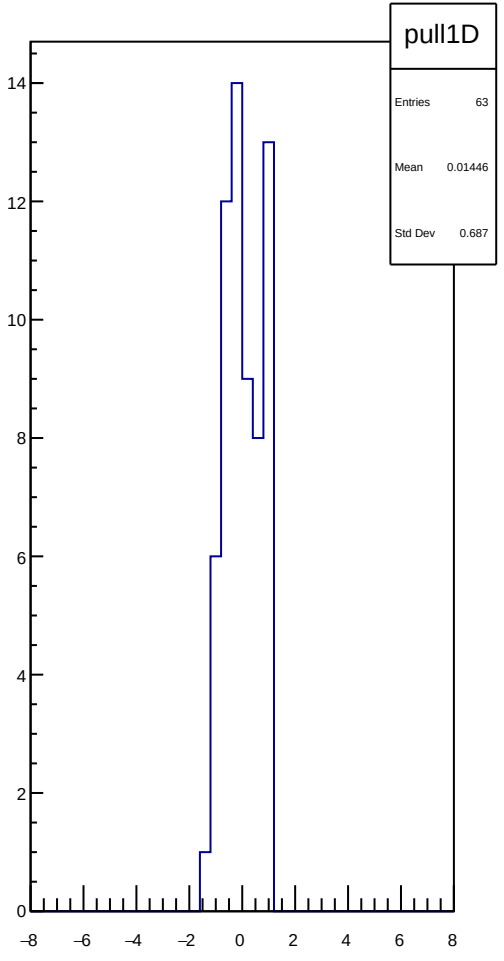

pull1D
Entries 63
Mean 0.01446
Std Dev 0.687
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

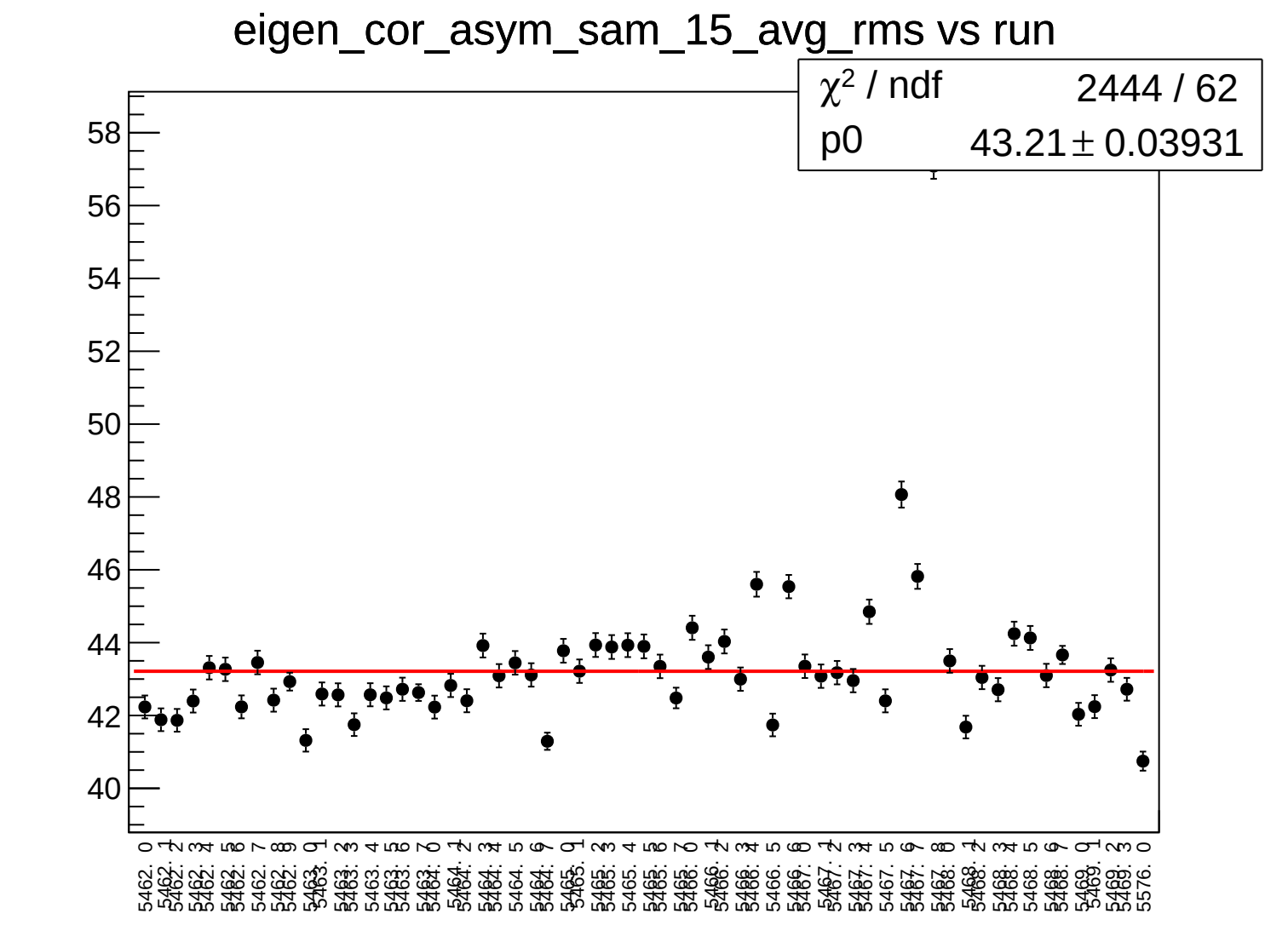

cor_asym_sam_15_avg_rms vs run
χ² / ndf 2444 / 62
p0 43.21 ± 0.03931
58
56
54
52
50
48
46
44
42
40

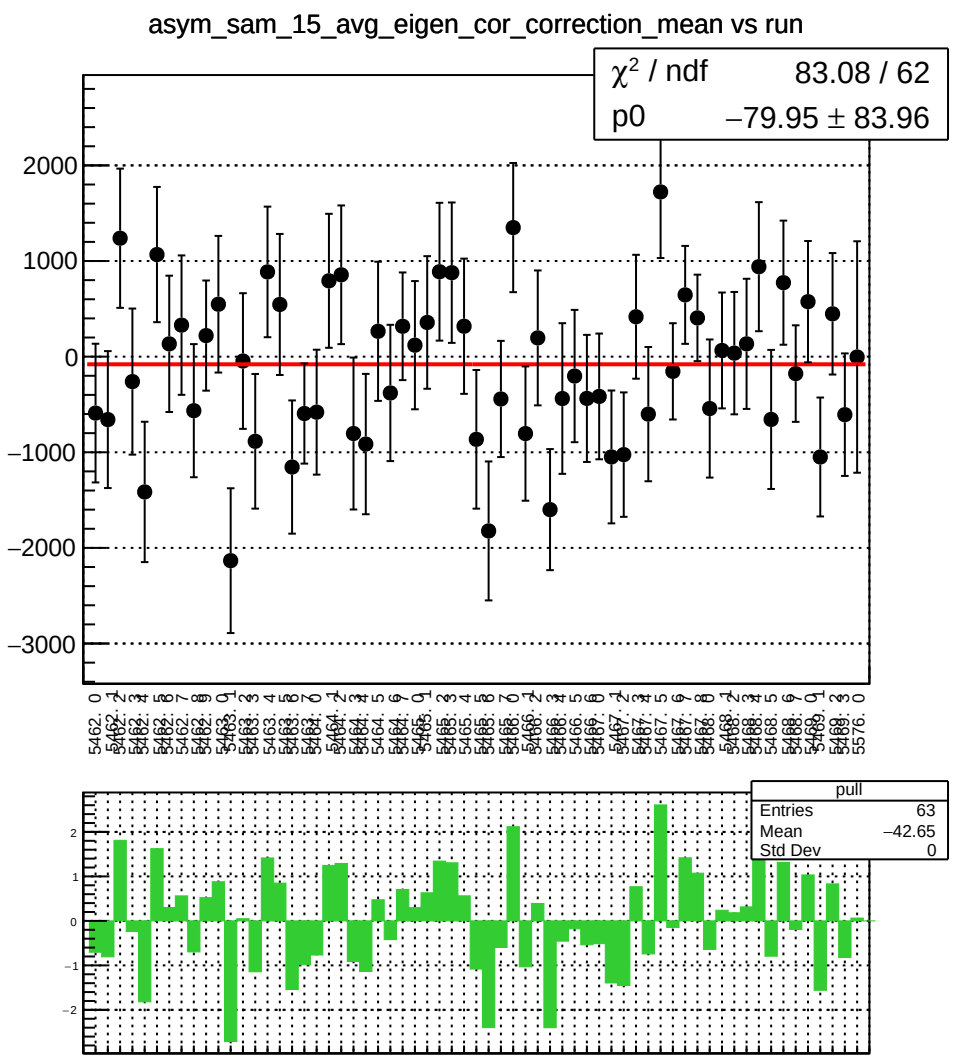

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 83.08 / 62
p0 −79.95 ± 83.96
pull
Entries 63
Mean −42.65
Std Dev 0
pull1D
Entries 63
Mean −0.01722
Std Dev 1.148

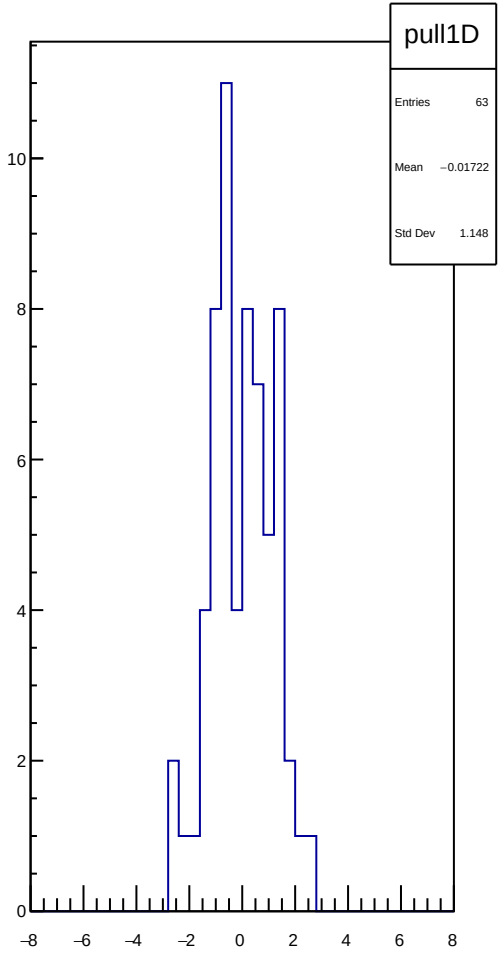

asym_sam_15_avg_cor_correction_rms vs run
χ^2 / ndf 1.62e+04 / 62
p0 64.89 ± 0.05937
140
120
100
80
60
40

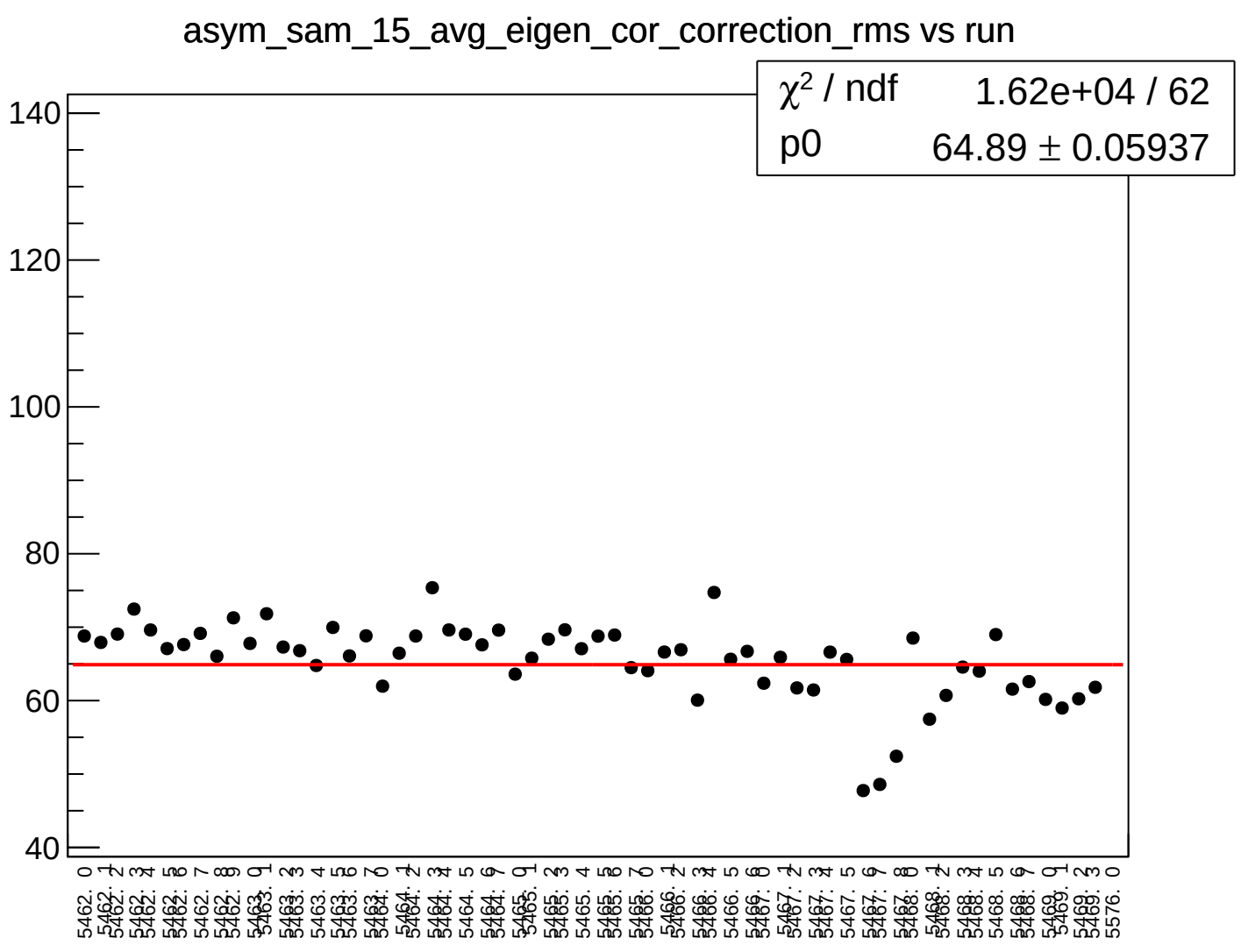

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 29.75 / 62
p0 93.87 ± 55.59
1000
500
0
−500
−1000
pull
Entries 63
Mean −18.21
Std Dev 0
1
0.5
0
−0.5
−1

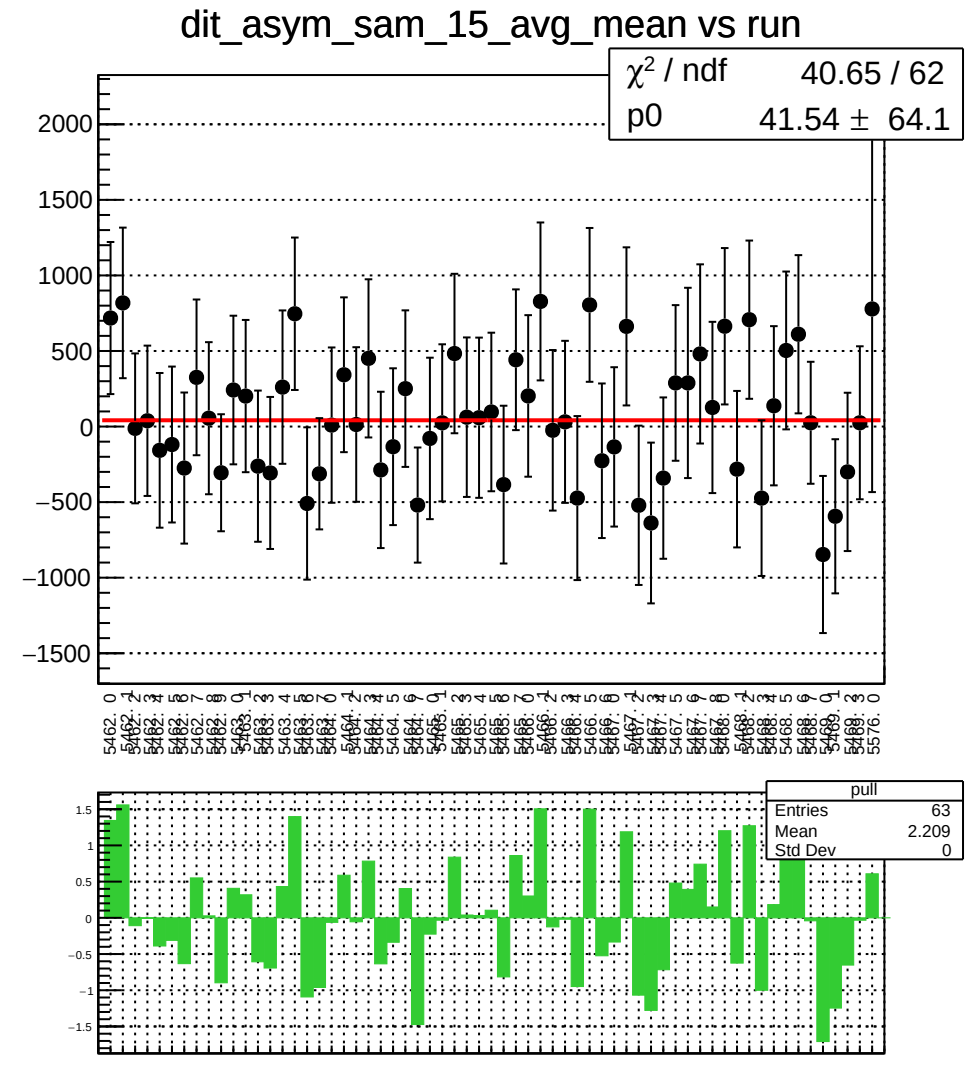

pull1D
Entries 63
Mean 0.01446
Std Dev 0.687
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

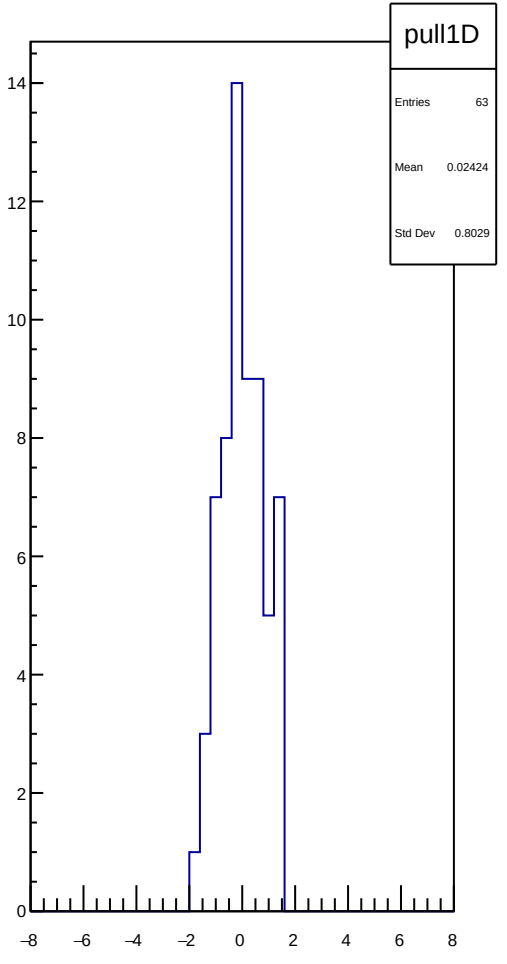

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 2444 / 62
p0 43.21 ± 0.03931
58
56
54
52
50
48
46
44
42
40

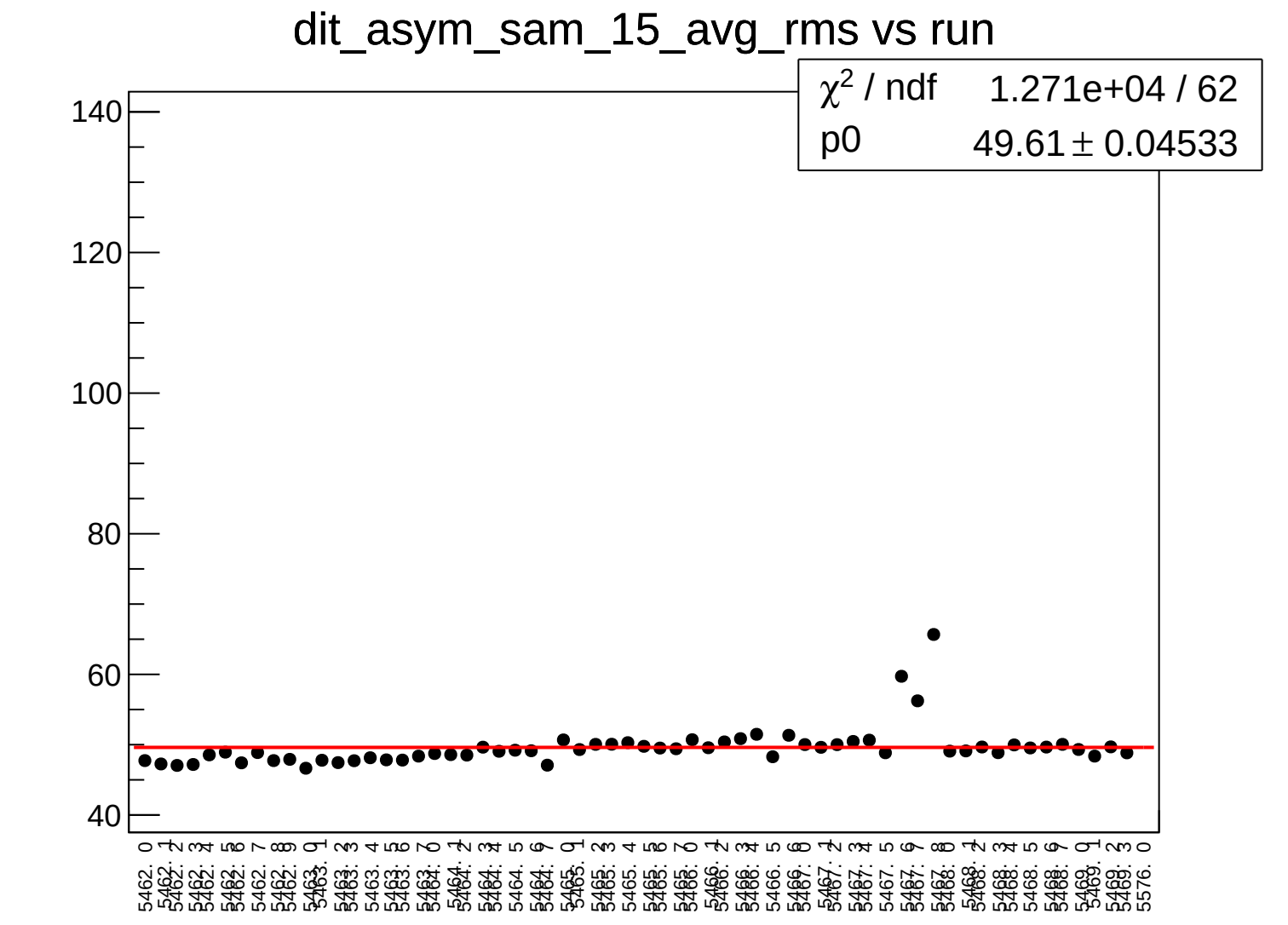

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.08 / 62
p0 −79.95 ± 83.96
pull
Entries 63
Mean −42.65
Std Dev 0

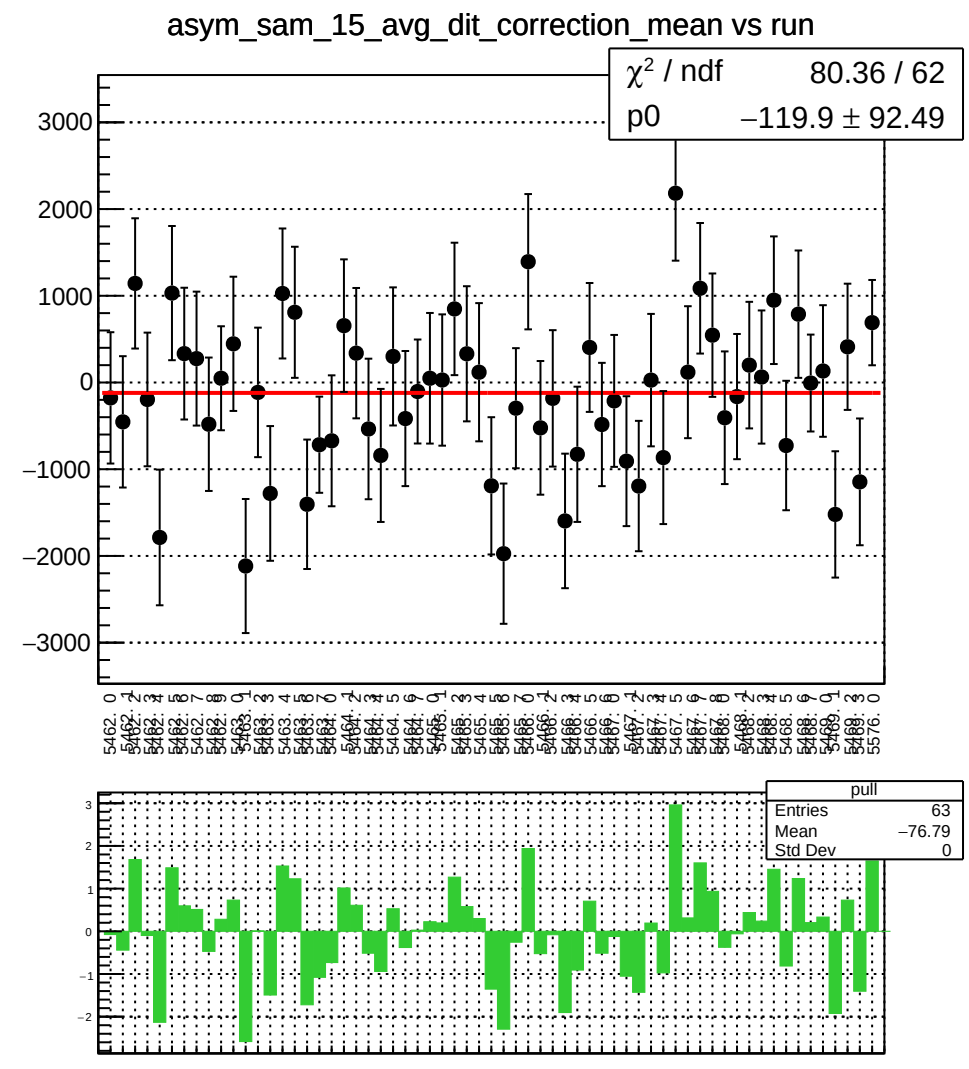

pull1D
Entries 63
Mean −0.01722
Std Dev 1.148

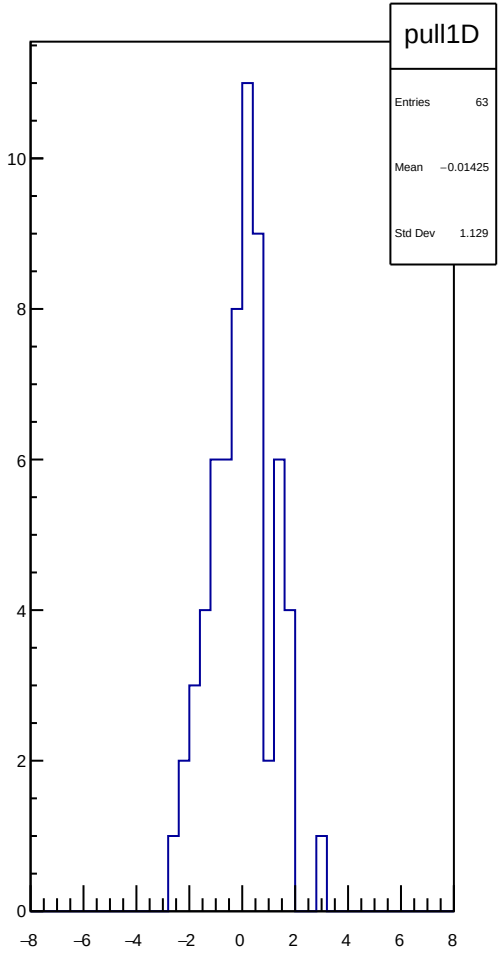

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.62e+04 / 62
p0 64.89 ± 0.05937
140
120
100
80
60
40

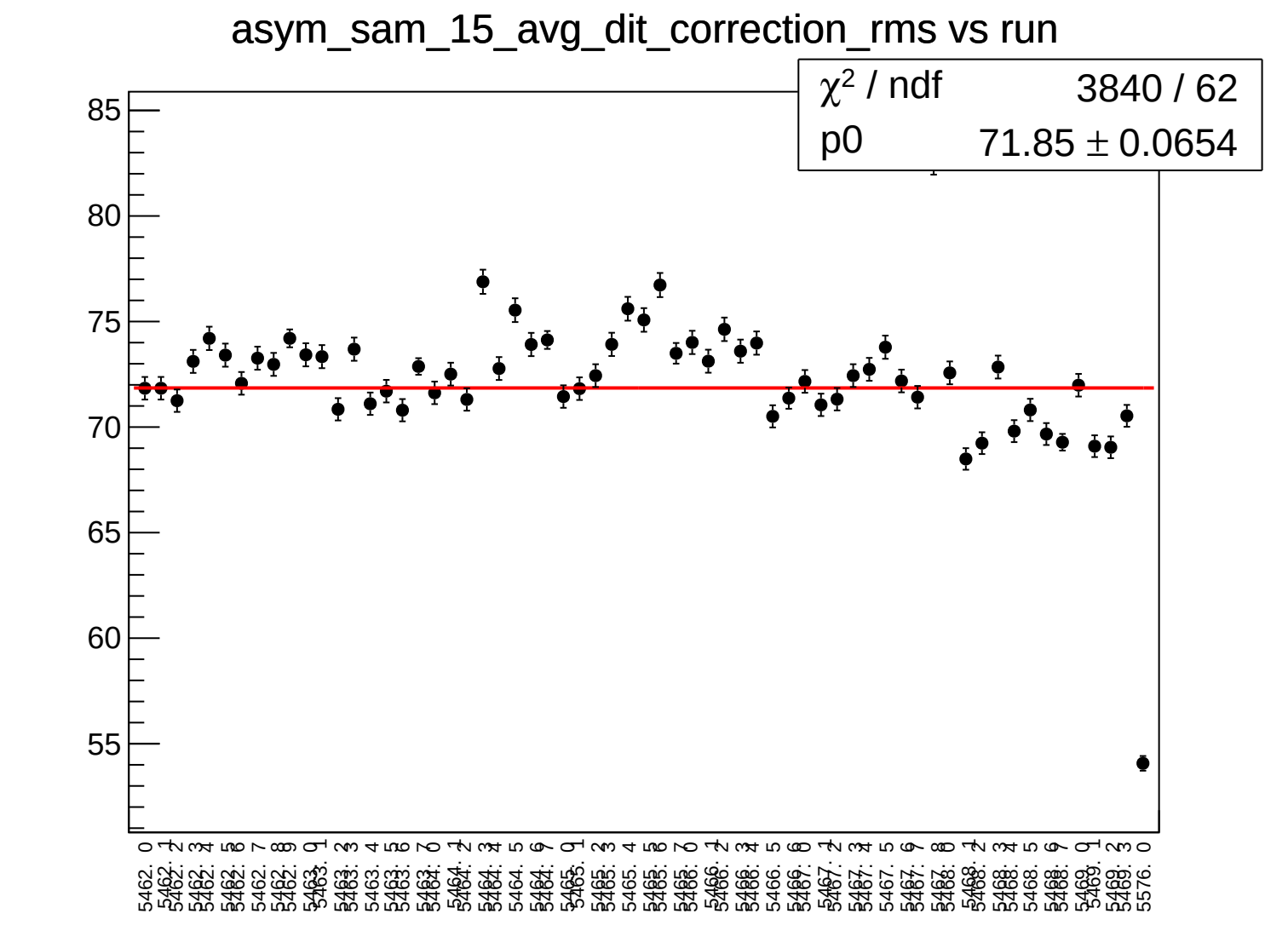

dit_asym_sam_15_avg_mean vs run
χ² / ndf 40.65 / 62
p0 41.54 ± 64.1
pull
Entries 63
Mean 2.209
Std Dev 0

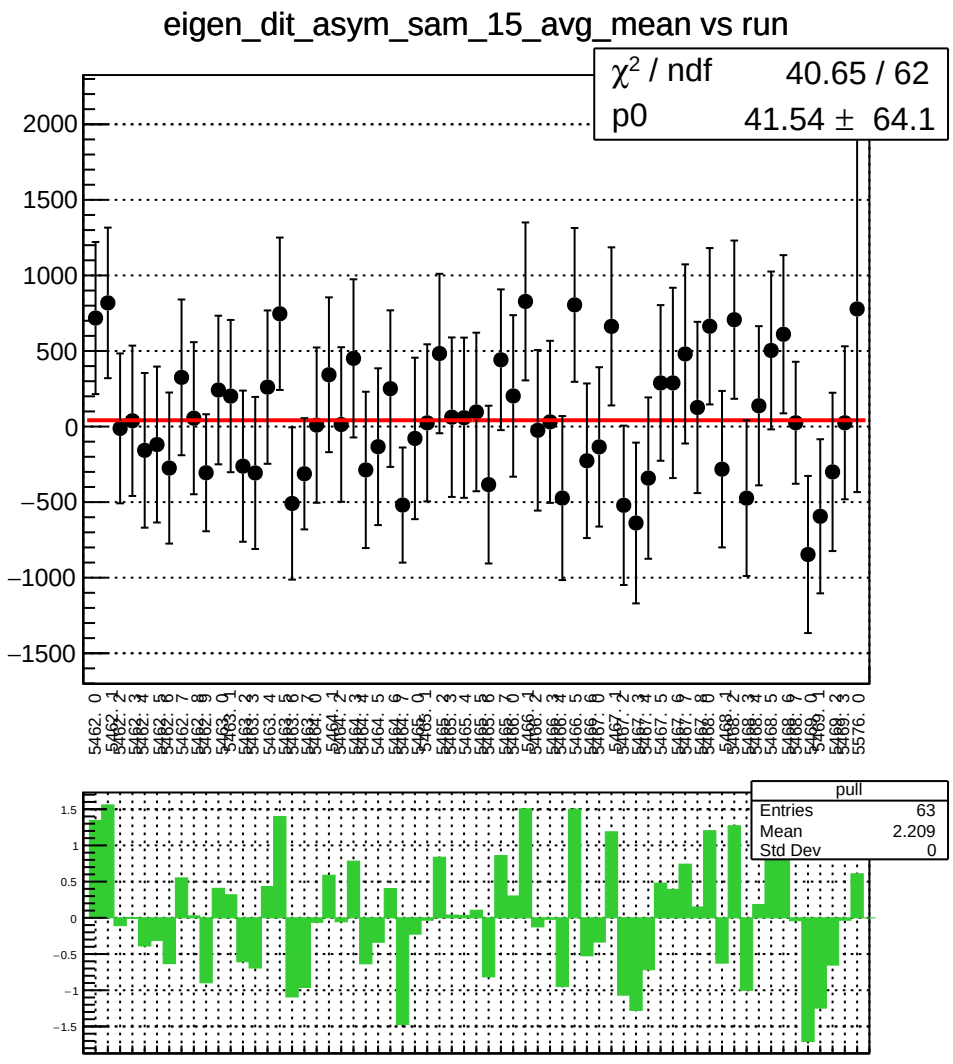

pull1D
Entries 63
Mean 0.02424
Std Dev 0.8029

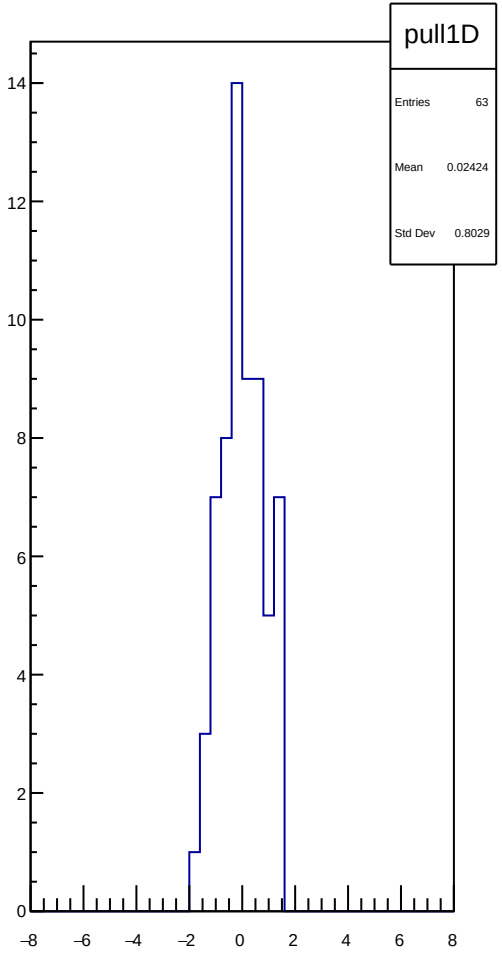

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.271e+04 / 62
p0 49.61 ± 0.04533
140
120
100
80
60
40

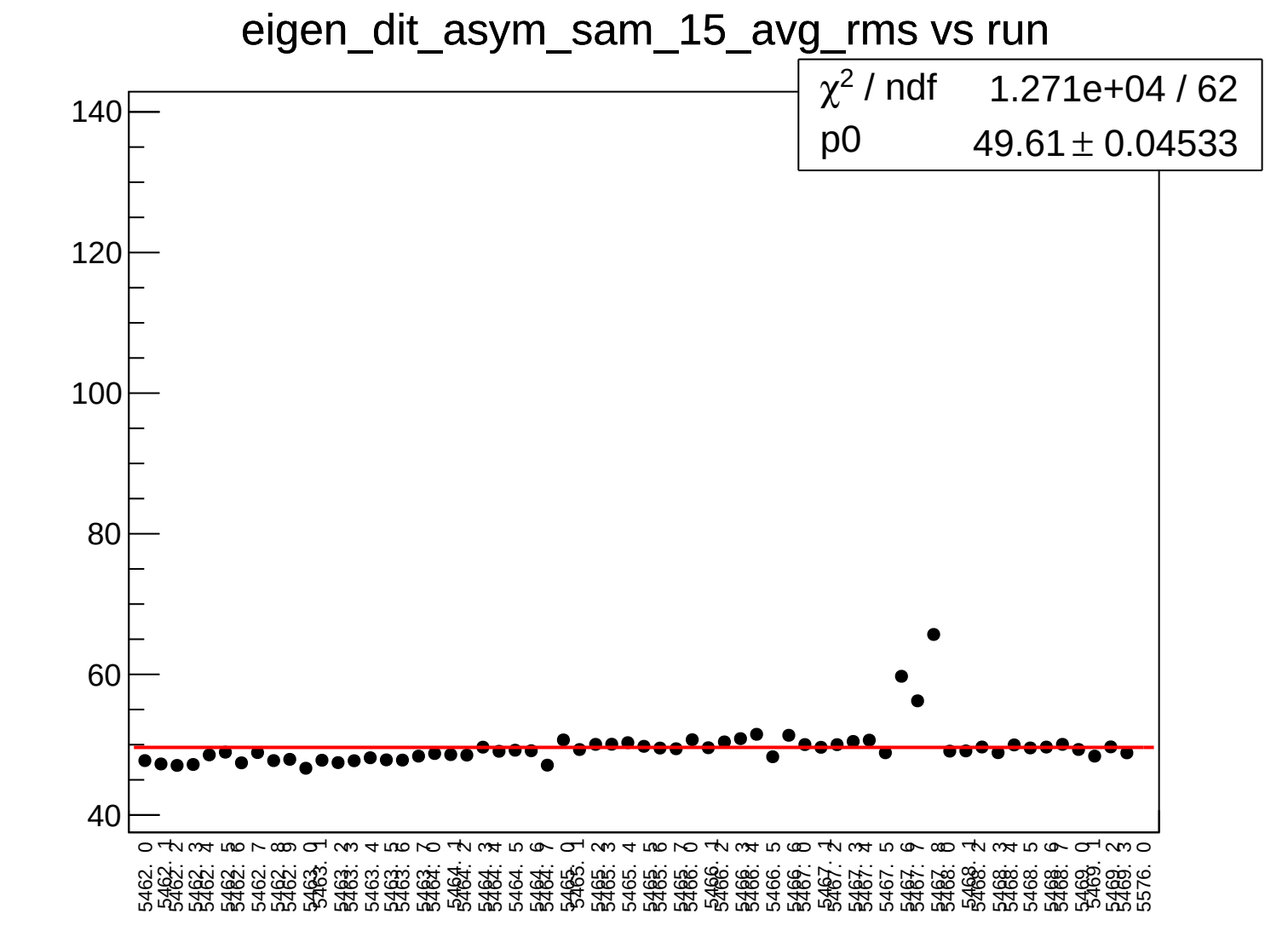

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 80.36 / 62
p0 −119.9 ± 92.49
pull
Entries 63
Mean −76.79
Std Dev 0

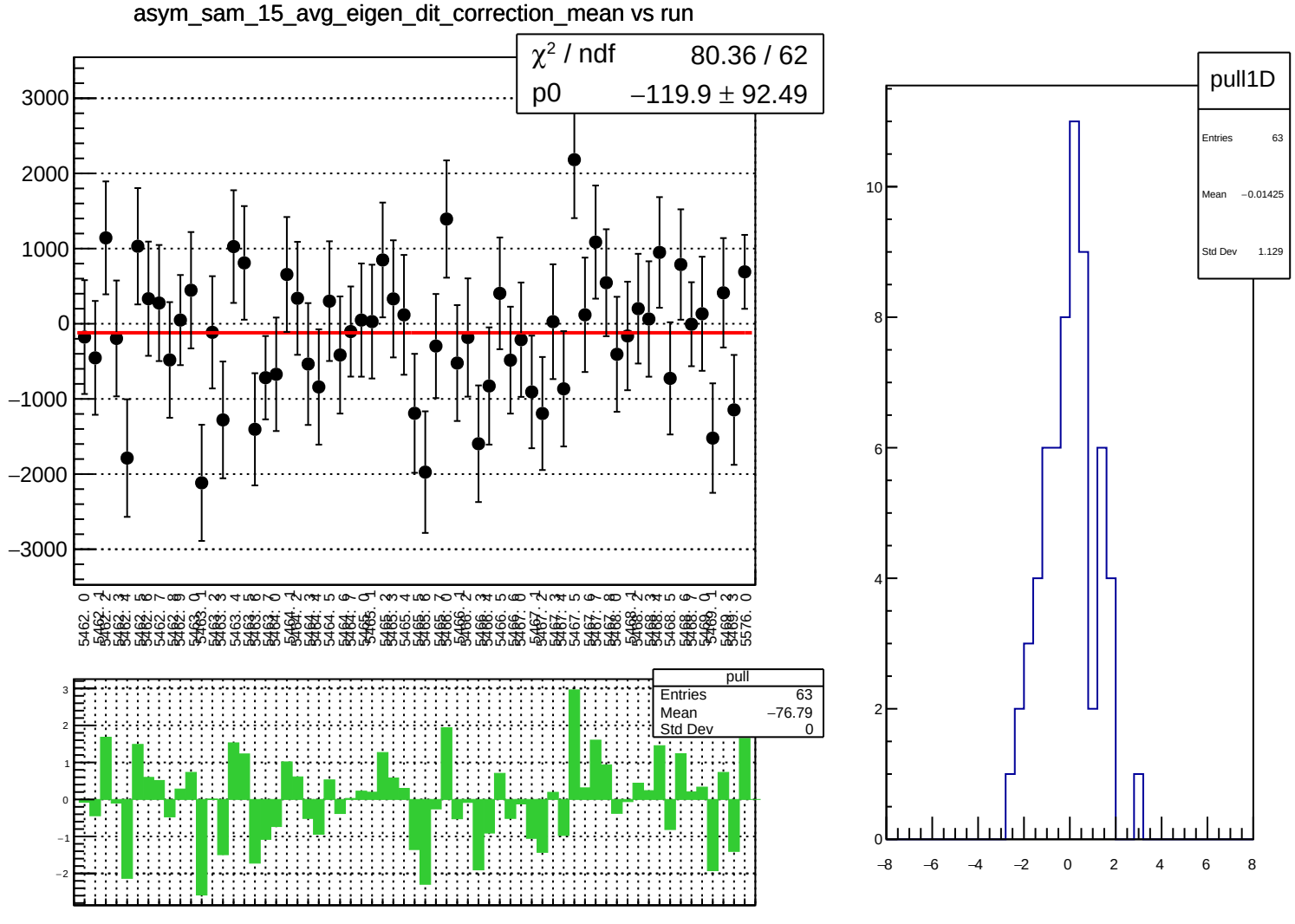

pull1D
Entries 63
Mean −0.01425
Std Dev 1.129

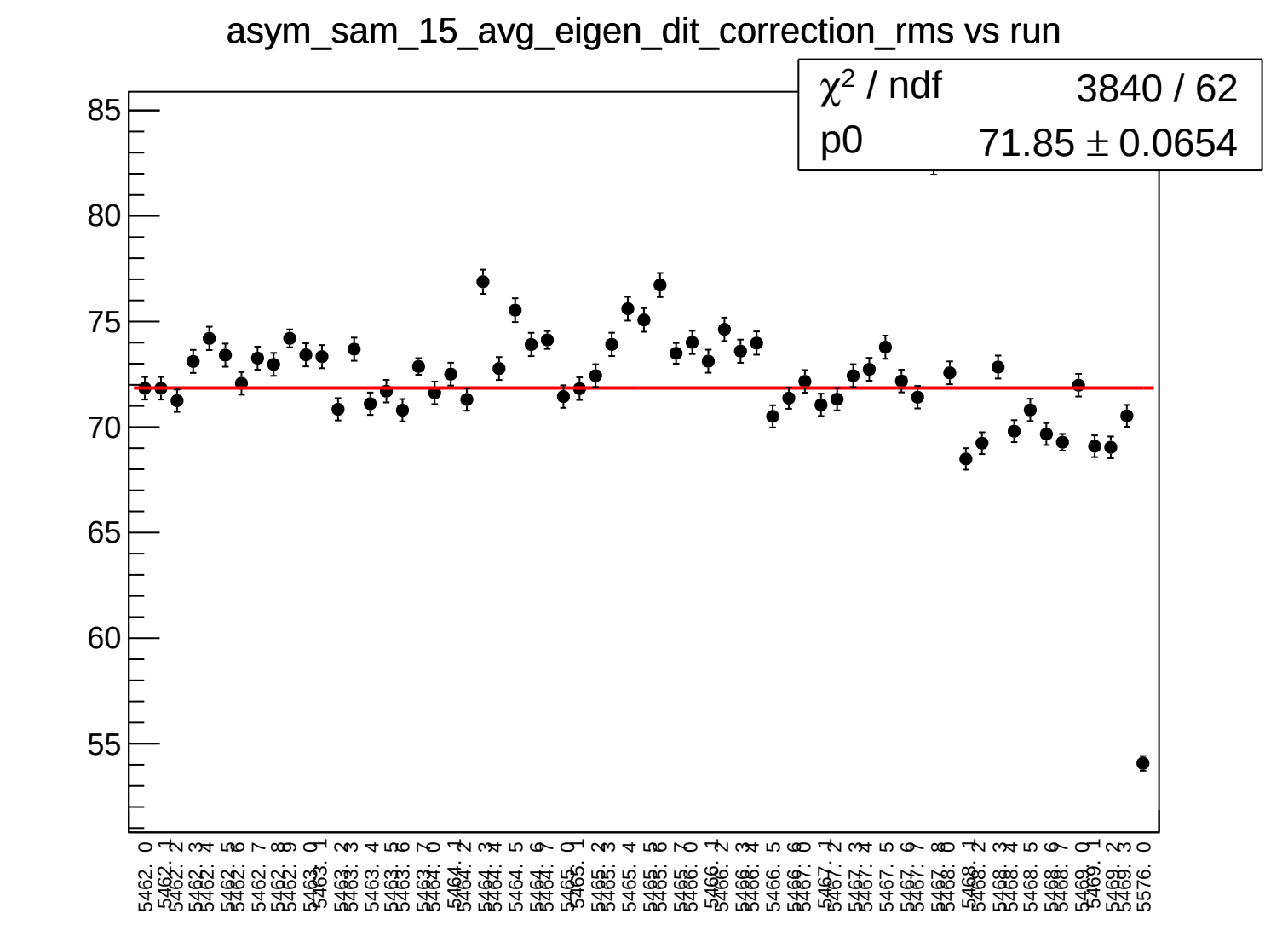

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 3840 / 62
p0 71.85 ± 0.0654
85
80
75
70
65
60
55

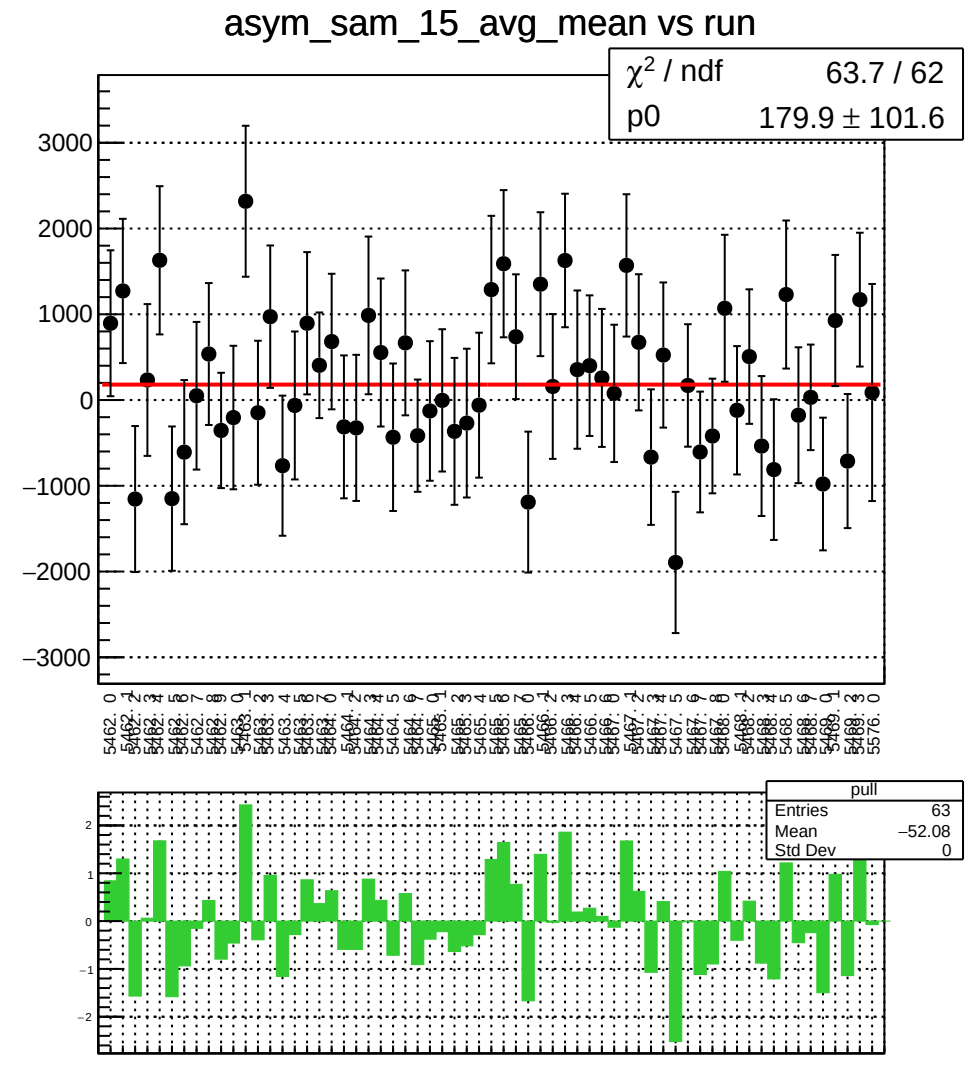

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 40.65 / 62
p0 41.54 ± 64.1
pull
Entries 63
Mean 2.209
Std Dev 0

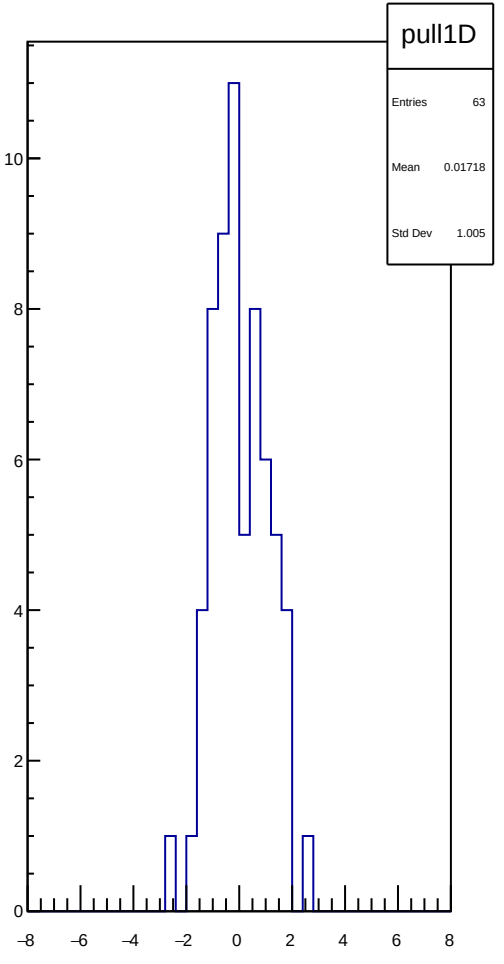

pull1D
Entries 63
Mean 0.02424
Std Dev 0.8029

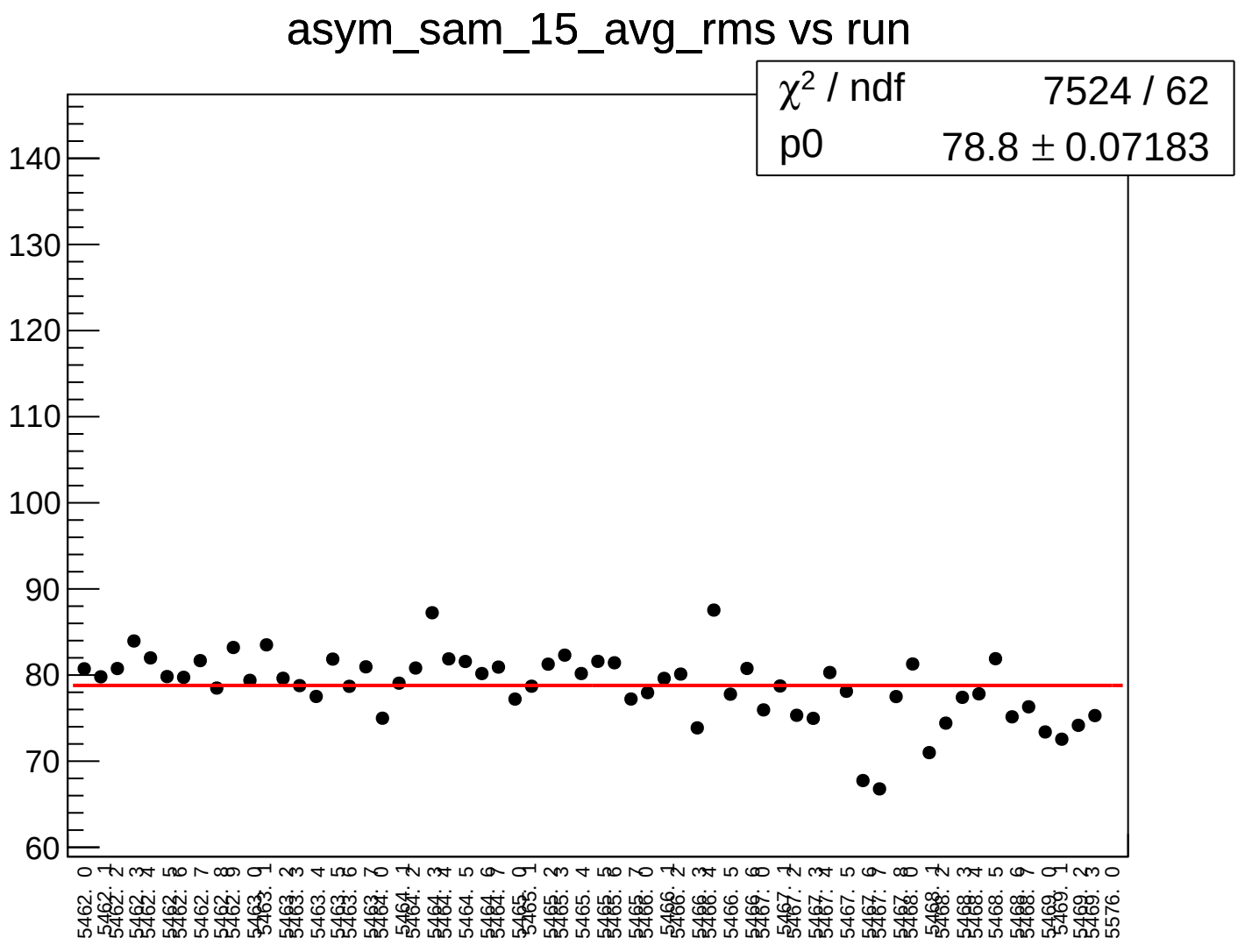

eigen_dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.271e+04 / 62
p0 49.61 ± 0.04533
140
120
100
80
60
40

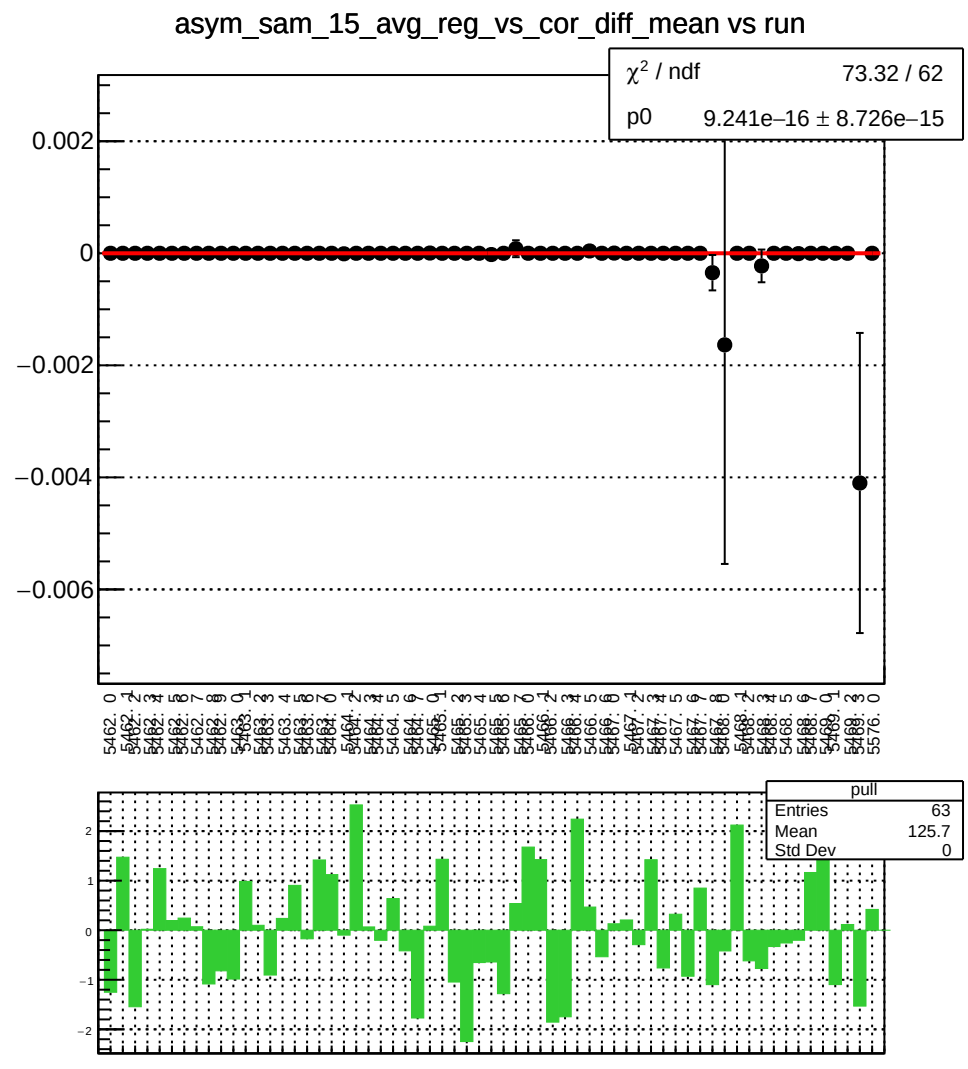

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 80.36 / 62
p0 −119.9 ± 92.49
pull
Entries 63
Mean −76.79
Std Dev 0
pull1D
Entries 63
Mean −0.01425
Std Dev 1.129

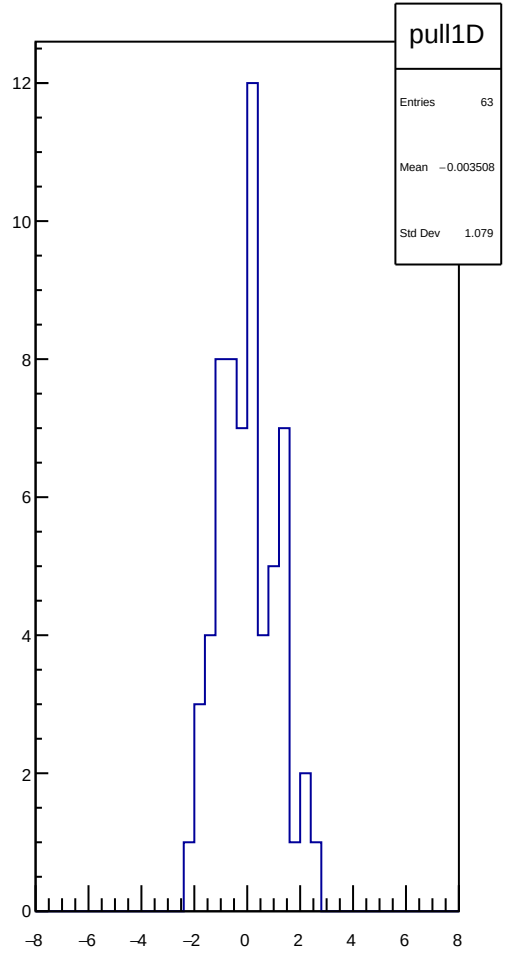

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 3840 / 62
p0 71.85 ± 0.0654
85
80
75
70
65
60
55

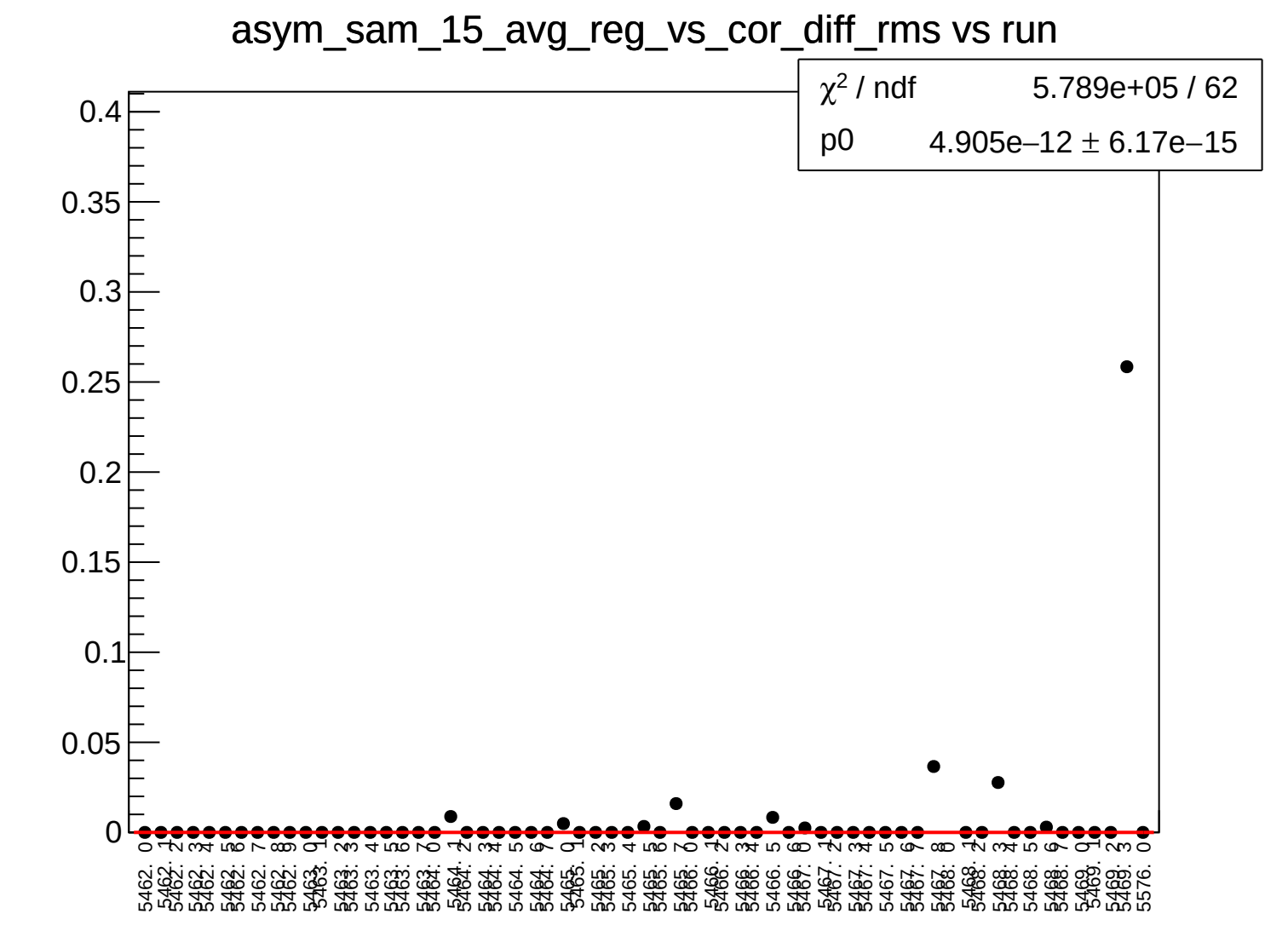

asym_sam_15_avg_mean vs run
χ² / ndf 63.7 / 62
p0 179.9 ± 101.6
pull
Entries 63
Mean −52.08
Std Dev 0

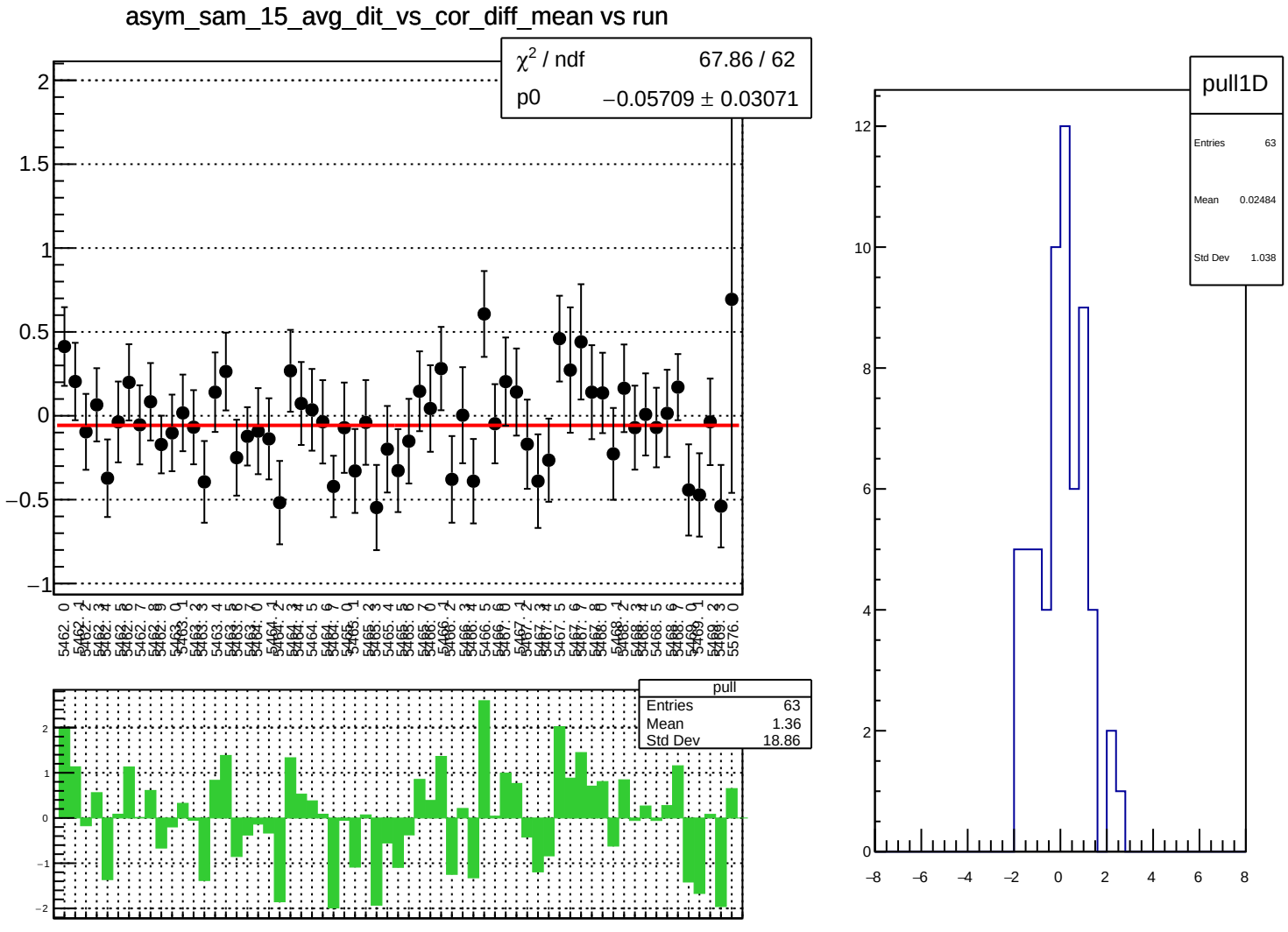

pull1D
Entries 63
Mean 0.01718
Std Dev 1.005

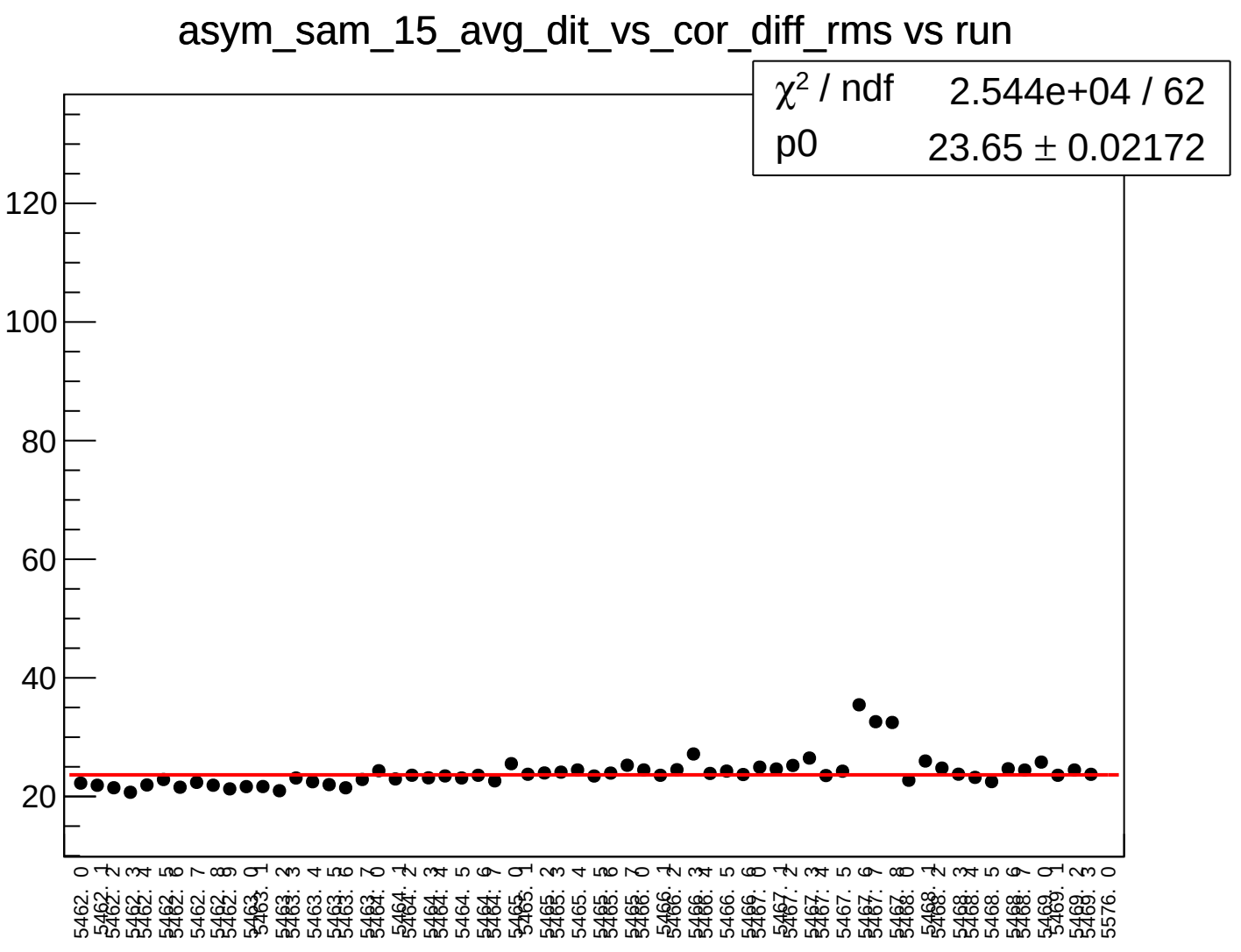

asym_sam_15_avg_rms vs run
χ² / ndf 7524 / 62
p0 78.8 ± 0.07183
140
130
120
110
100
90
80
70
60

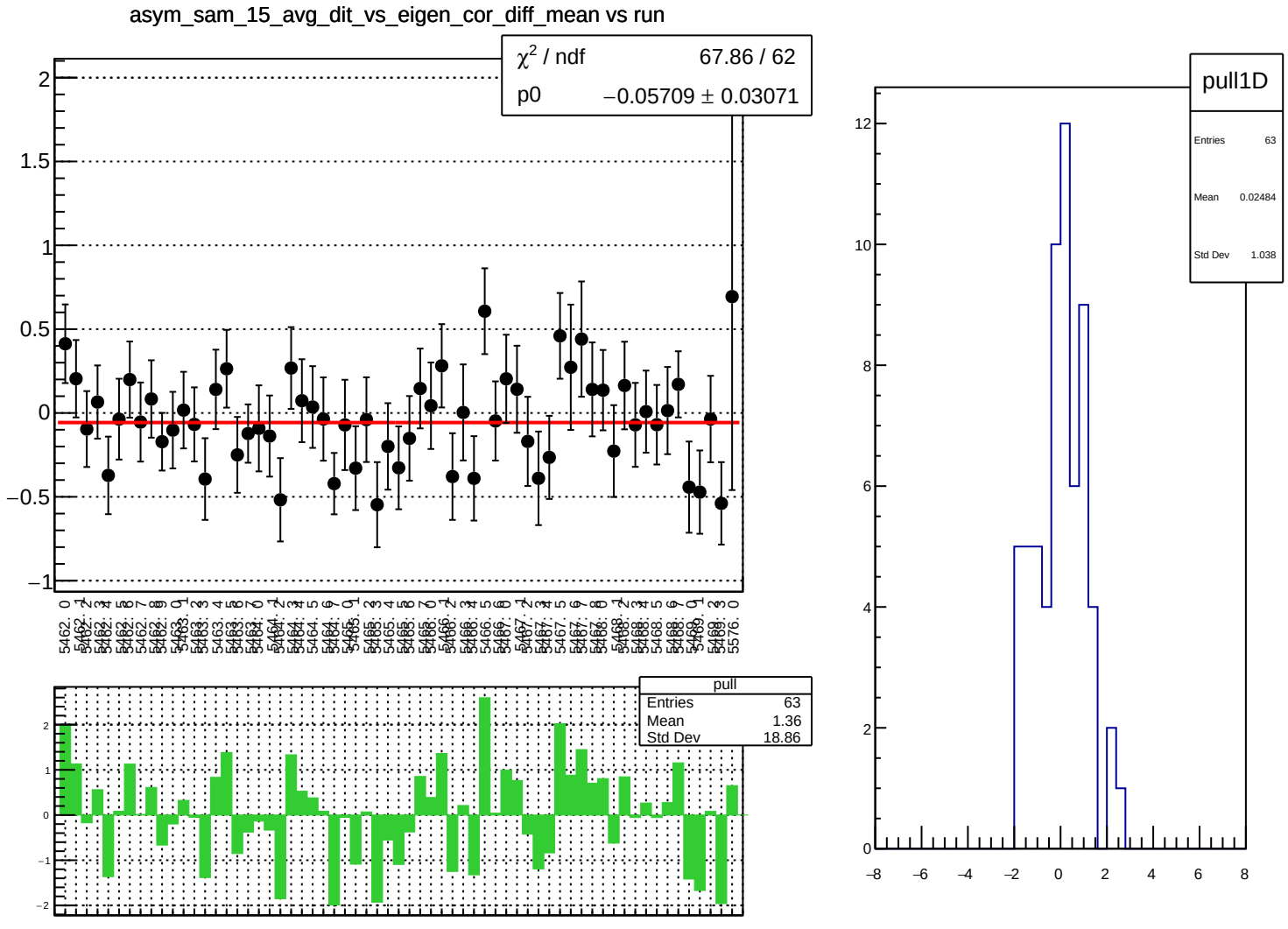

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.32 / 62
p0 9.241e−16 ± 8.726e−15
0.002
0
−0.002
−0.004
−0.006
pull
Entries 63
Mean 125.7
Std Dev 0
2
1
0
−1
−2

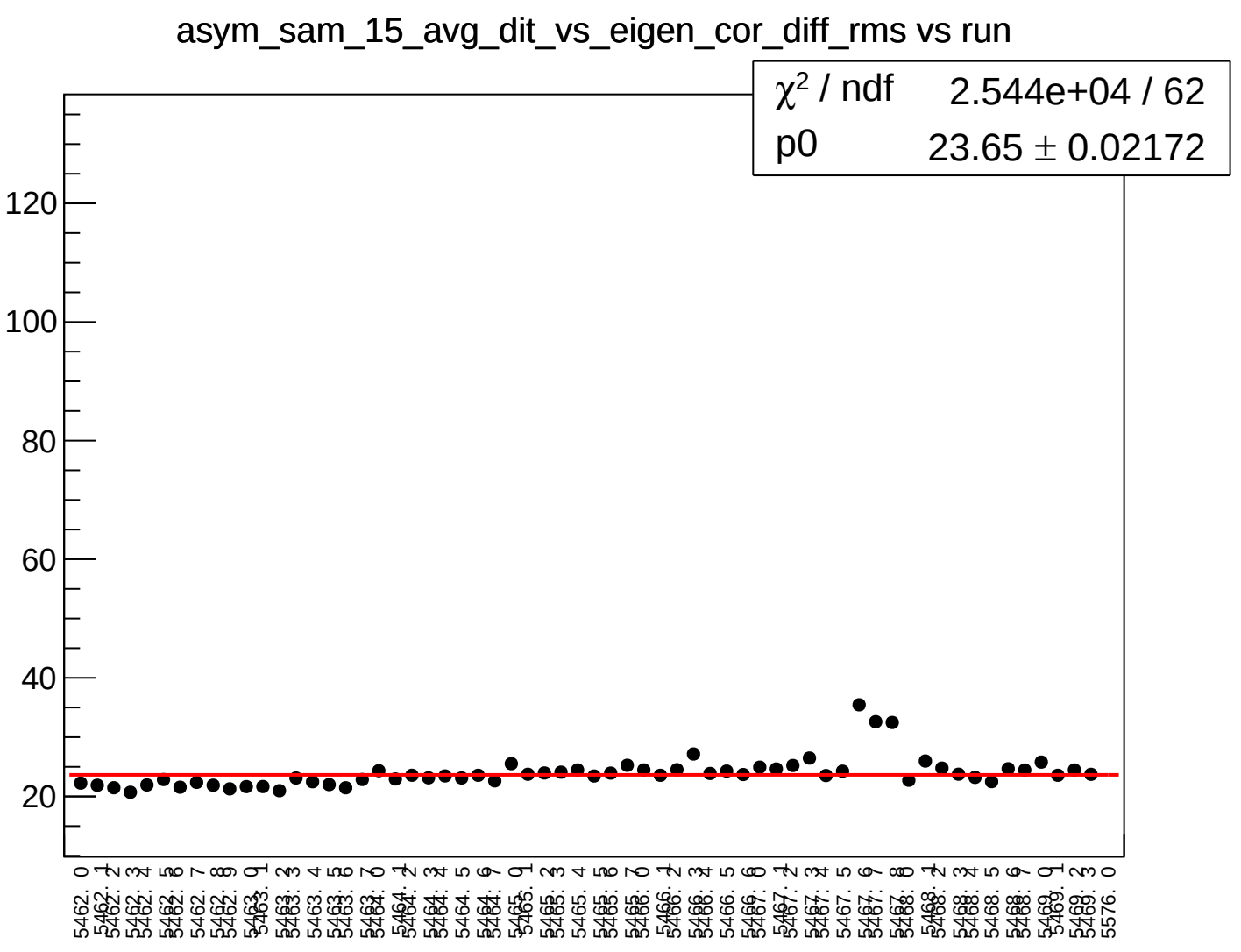

pull1D
Entries 63
Mean −0.003508
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

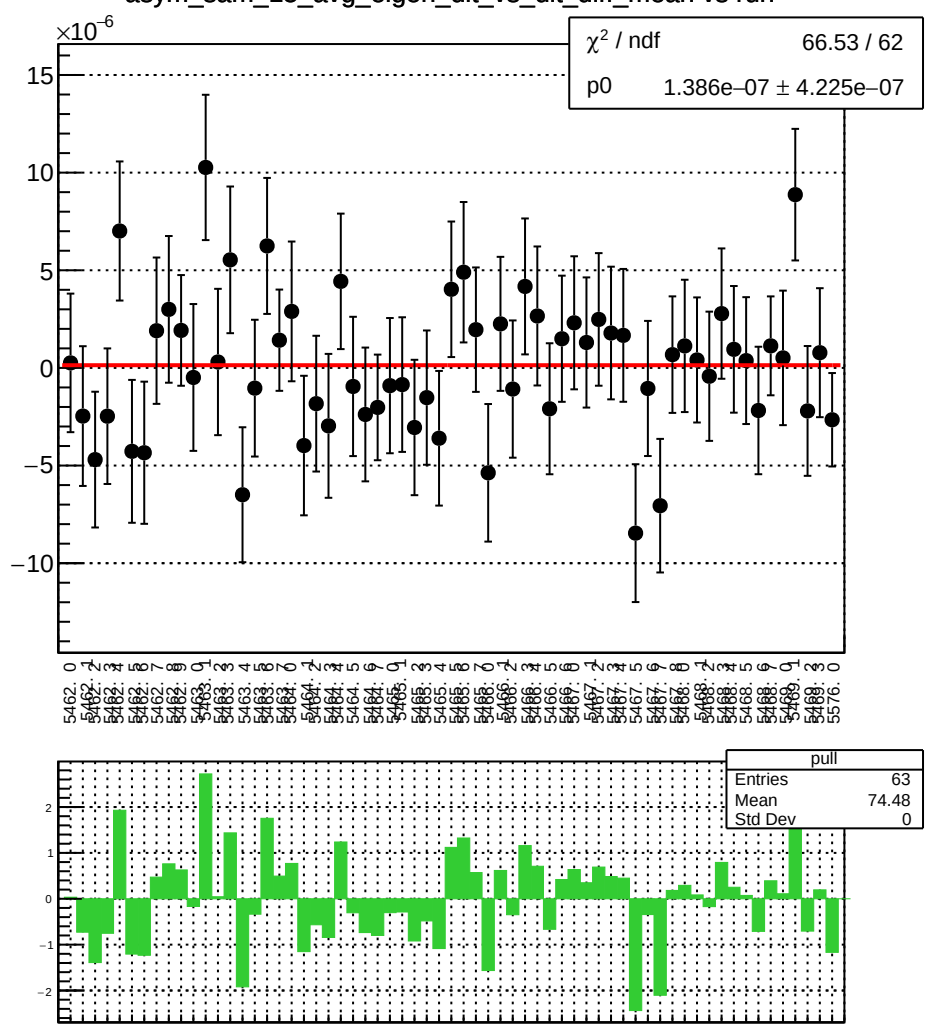

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.789e+05 / 62
p0 4.905e−12 ± 6.17e−15
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

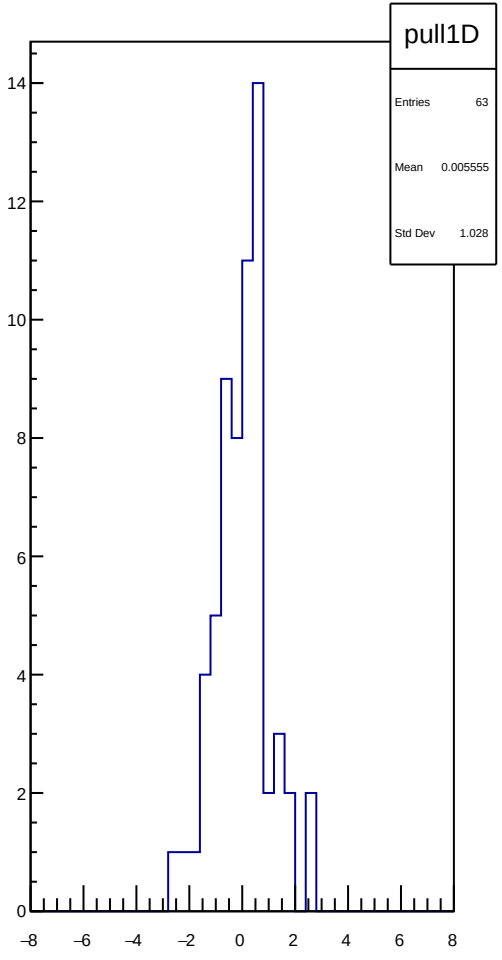

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.86 / 62
p0 −0.05709 ± 0.03071
pull
Entries 63
Mean 1.36
Std Dev 18.86
pull1D
Entries 63
Mean 0.02484
Std Dev 1.038

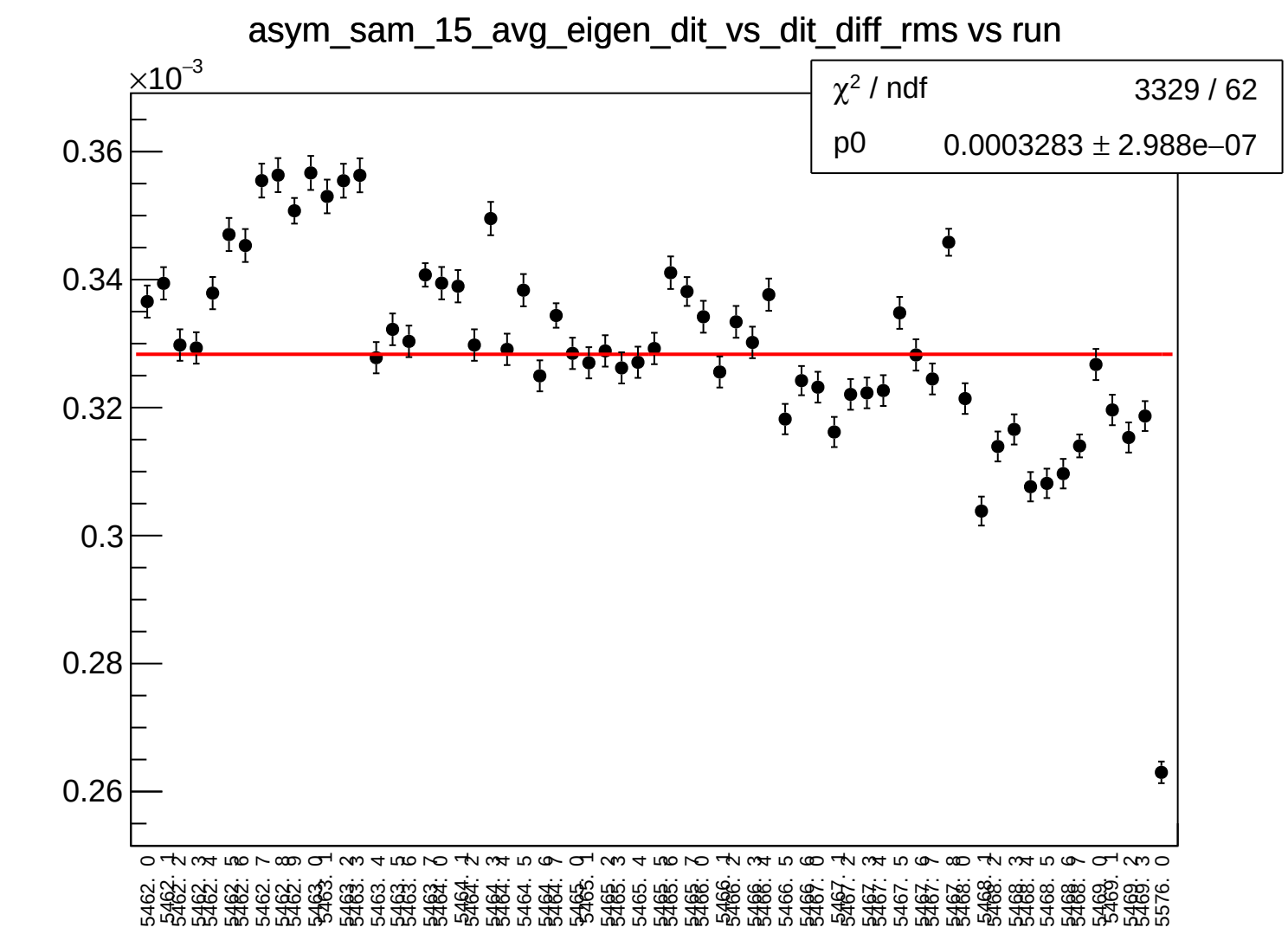

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.544e+04 / 62
p0 23.65 ± 0.02172
120
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

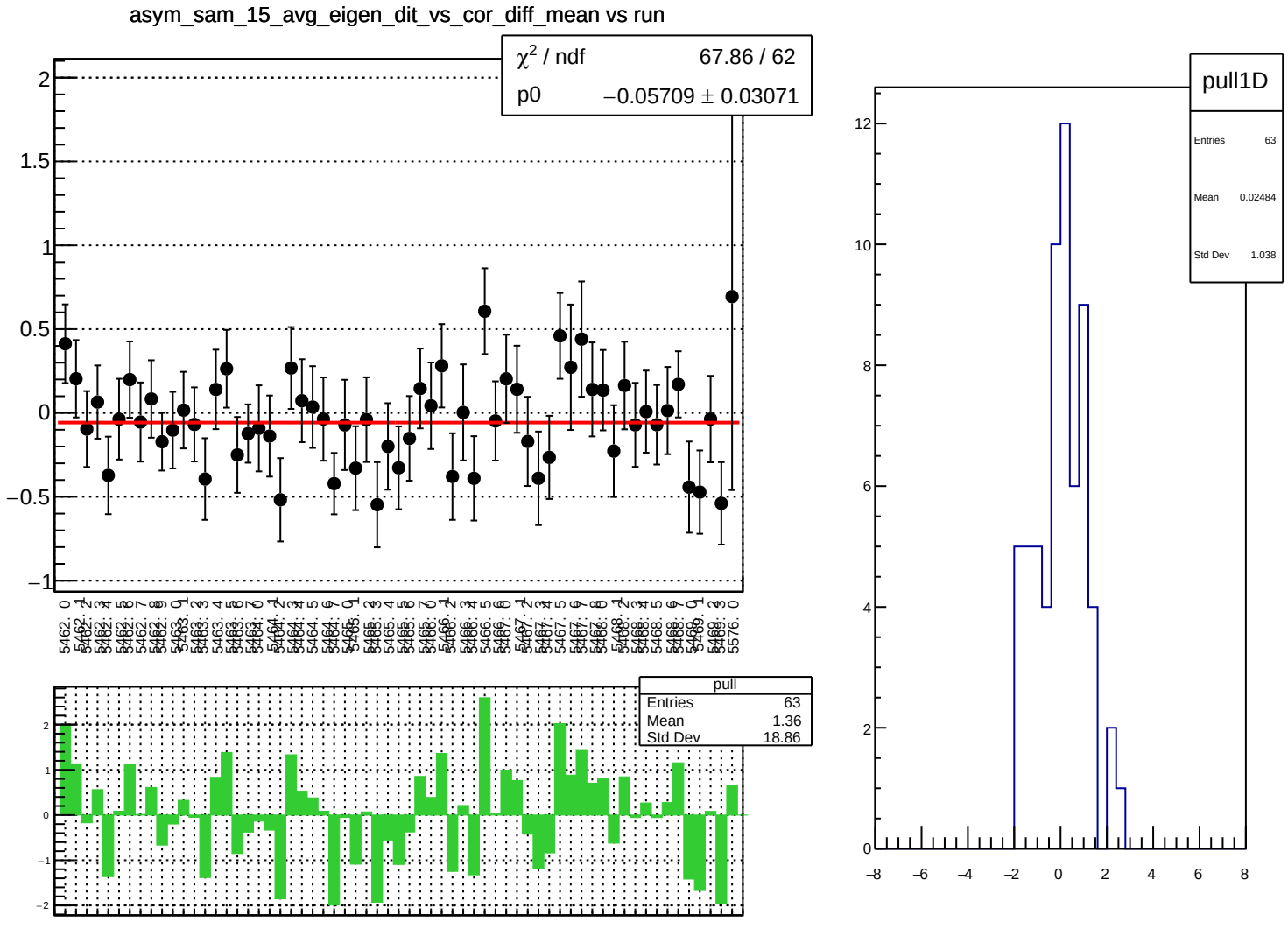

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.86 / 62
p0 −0.05709 ± 0.03071
pull
Entries 63
Mean 1.36
Std Dev 18.86
pull1D
Entries 63
Mean 0.02484
Std Dev 1.038

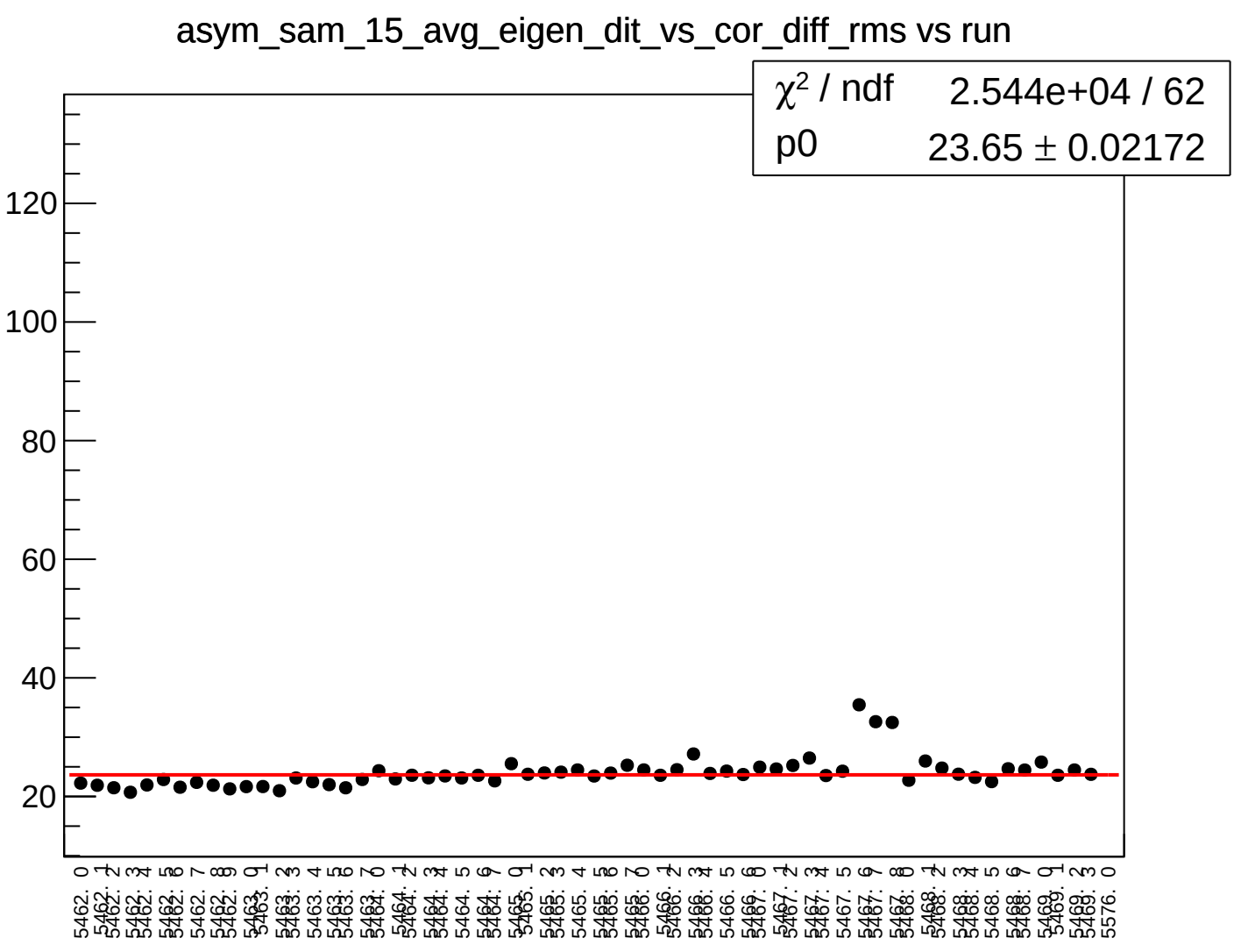

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.544e+04 / 62
p0 23.65 ± 0.02172
120
100
80
60
40
20

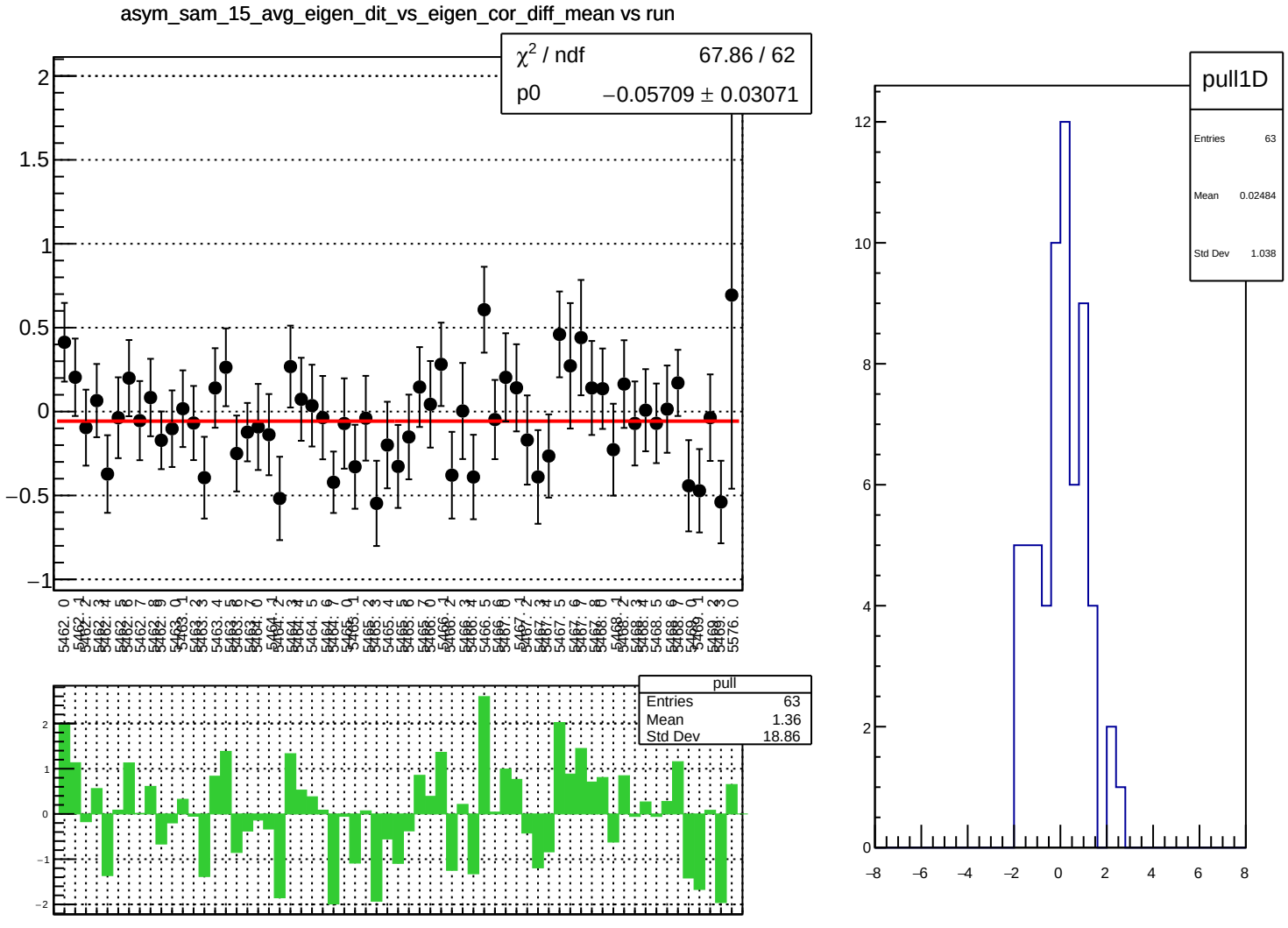

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 66.53 / 62
p0 1.386e−07 ± 4.225e−07
pull
Entries 63
Mean 74.48
Std Dev 0

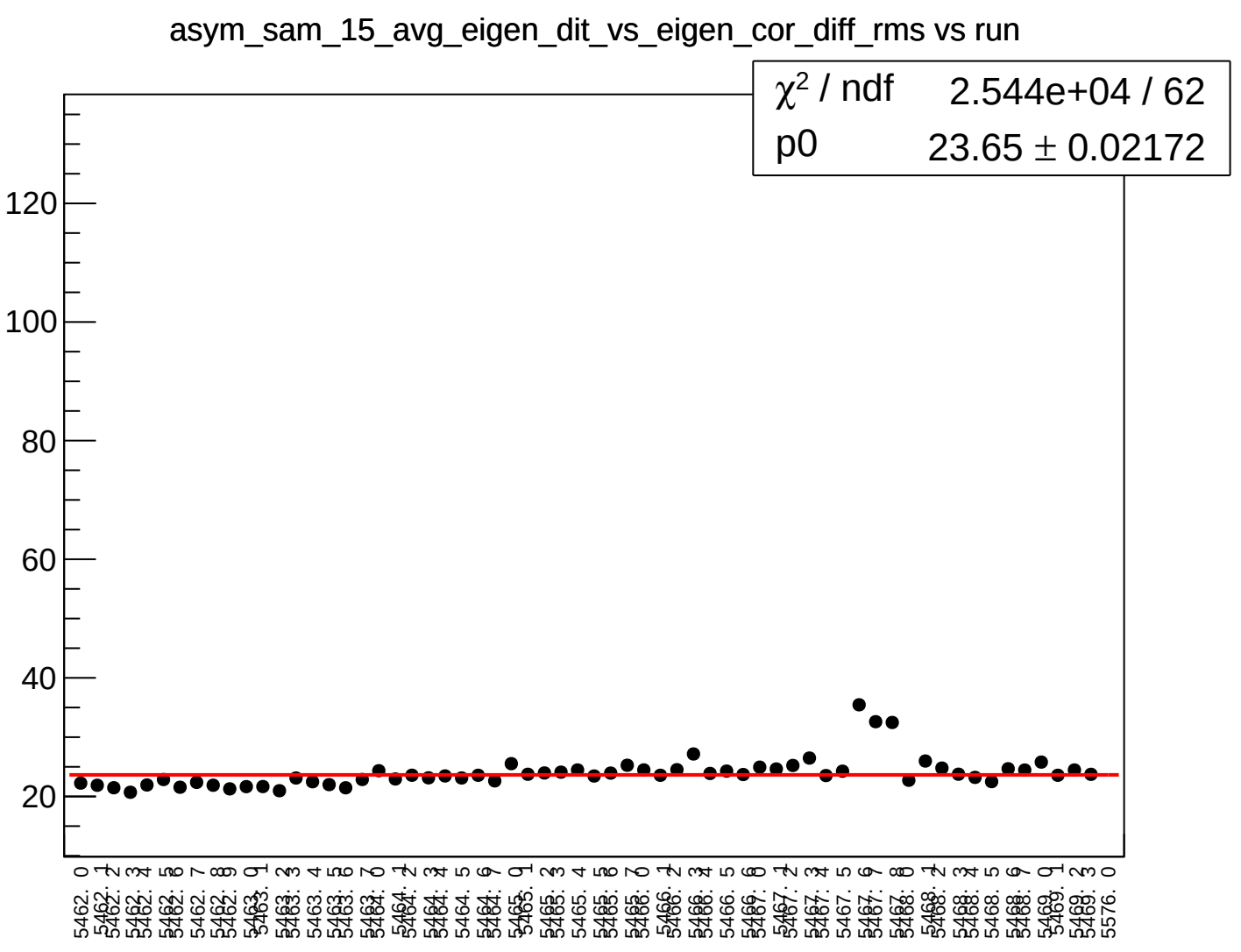

pull1D
Entries 63
Mean 0.005555
Std Dev 1.028


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3329 / 62
p0 0.0003283 ± 2.988e−07
0.36
0.34
0.32
0.3
0.28
0.26


asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.86 / 62
p0 −0.05709 ± 0.03071
pull
Entries 63
Mean 1.36
Std Dev 18.86
pull1D
Entries 63
Mean 0.02484
Std Dev 1.038


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.544e+04 / 62
p0 23.65 ± 0.02172
120
100
80
60
40
20


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.86 / 62
p0 −0.05709 ± 0.03071
pull
Entries 63
Mean 1.36
Std Dev 18.86
pull1D
Entries 63
Mean 0.02484
Std Dev 1.038


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.544e+04 / 62
p0 23.65 ± 0.02172
120
100
80
60
40
20
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5468. 6
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5469. 1
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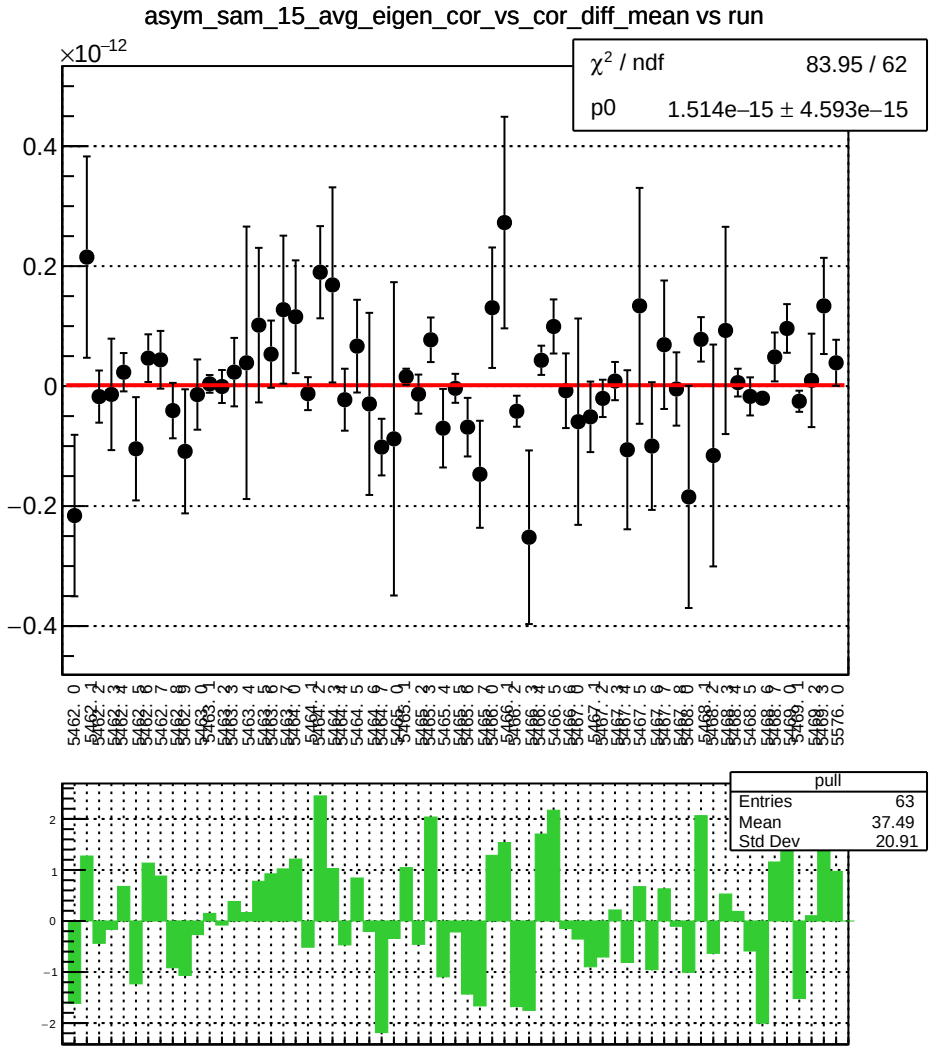
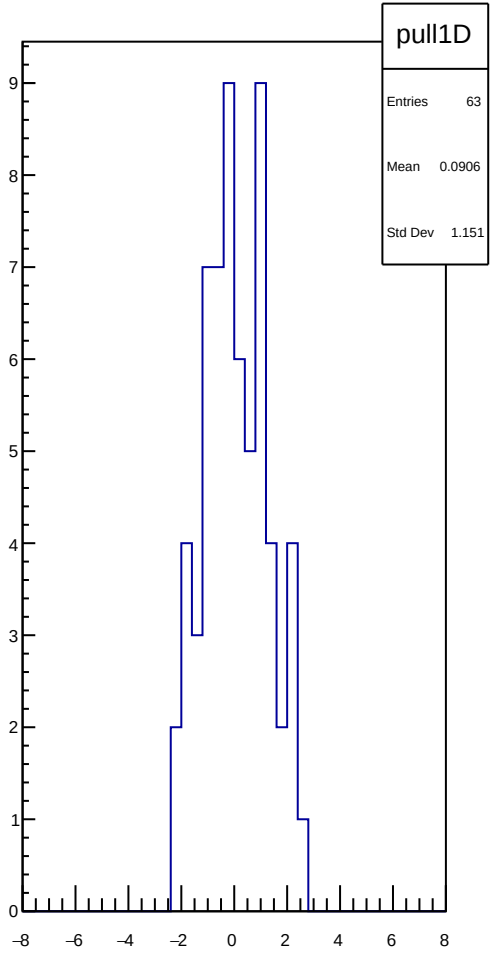
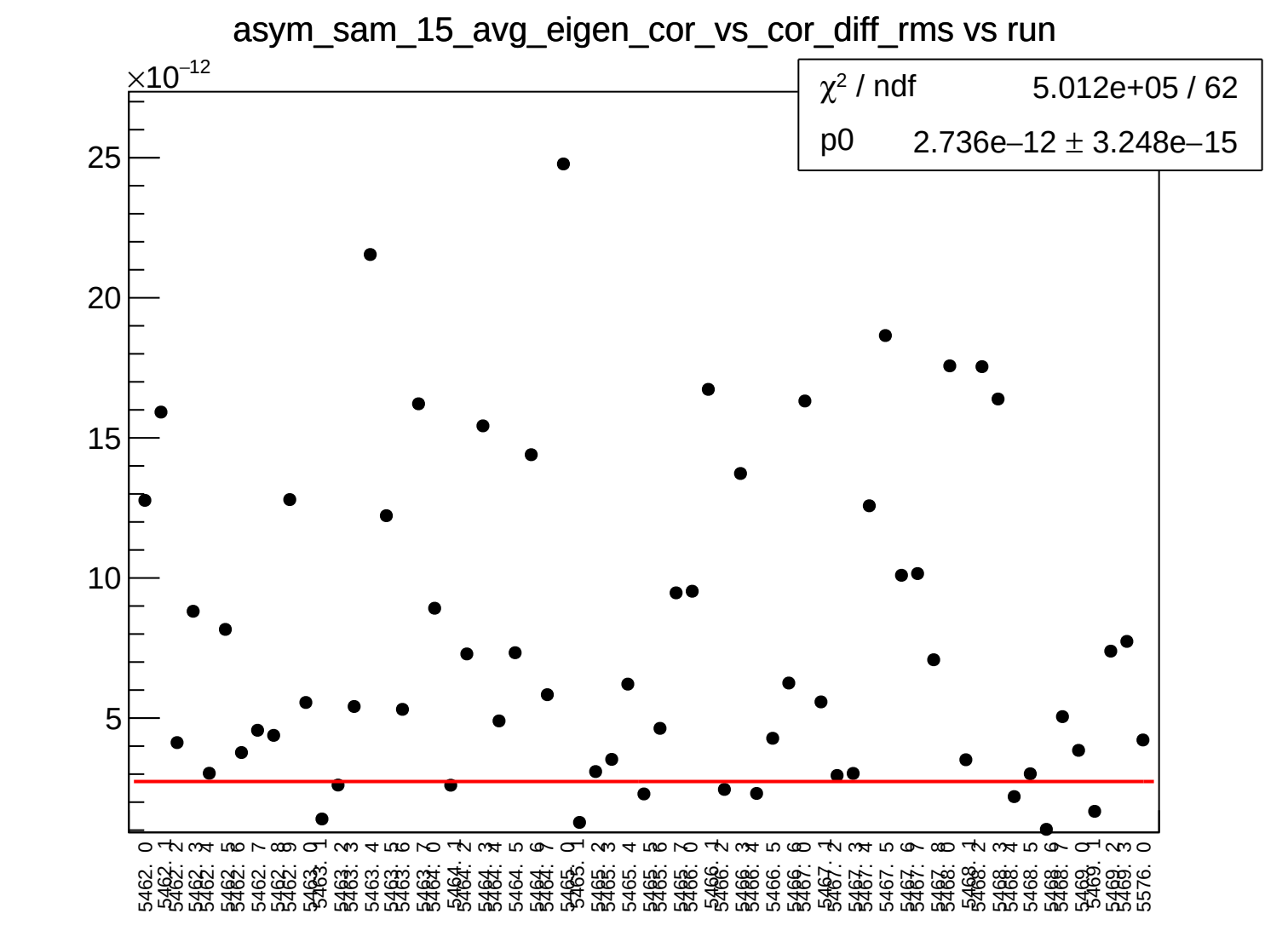
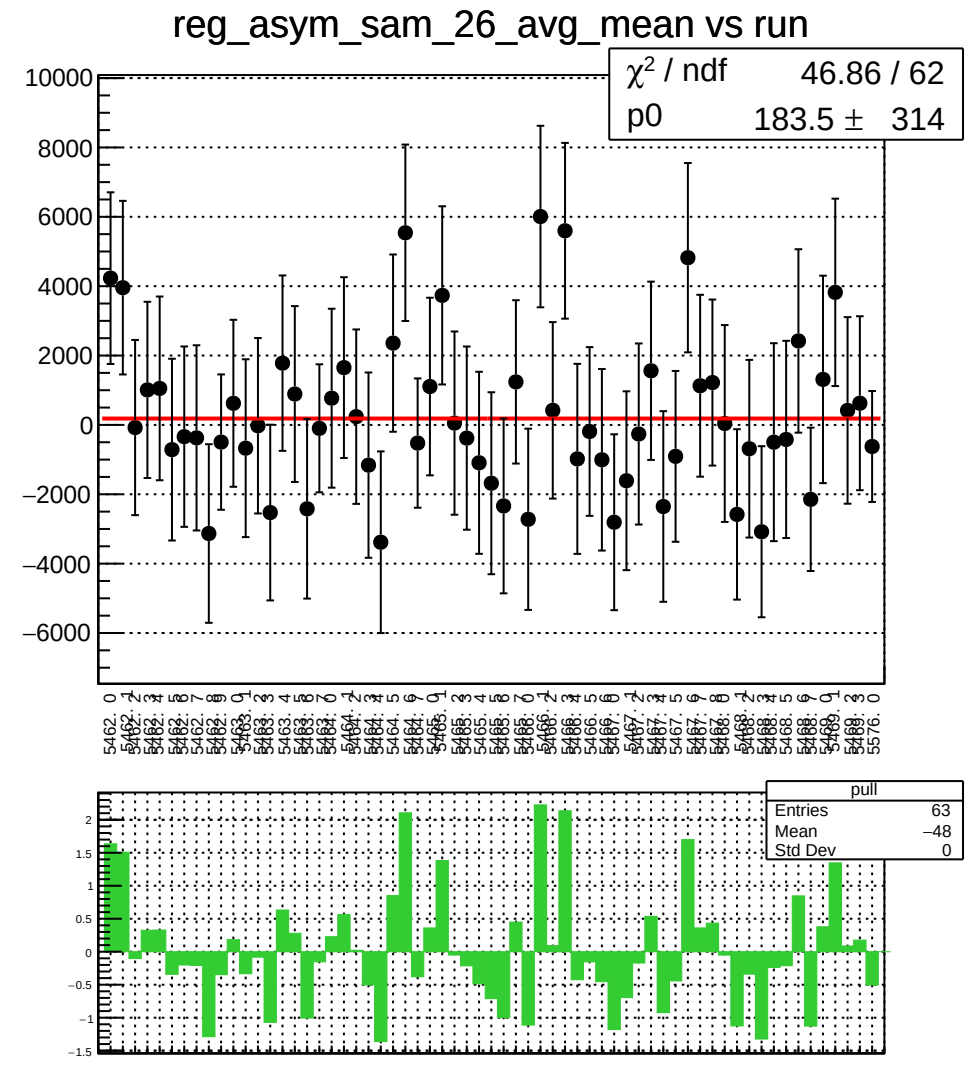
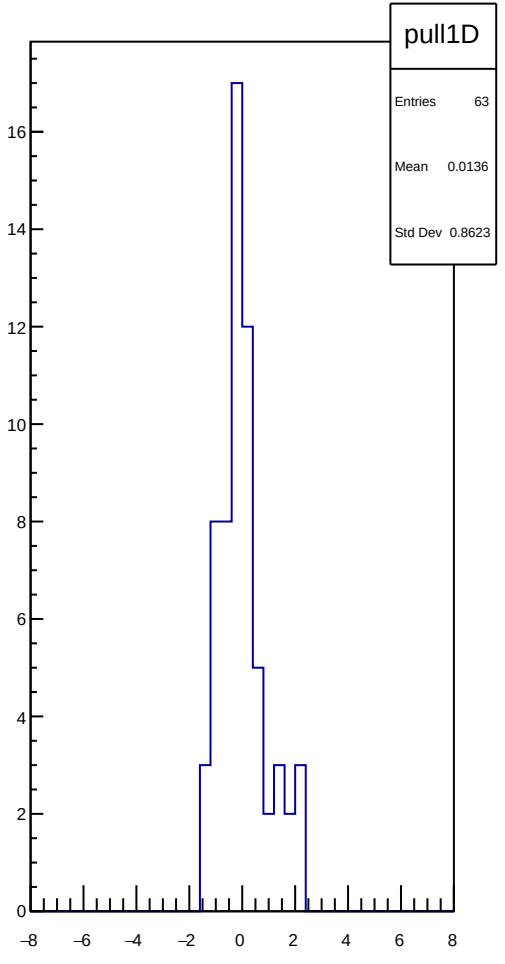
5469. 3
5576. 0

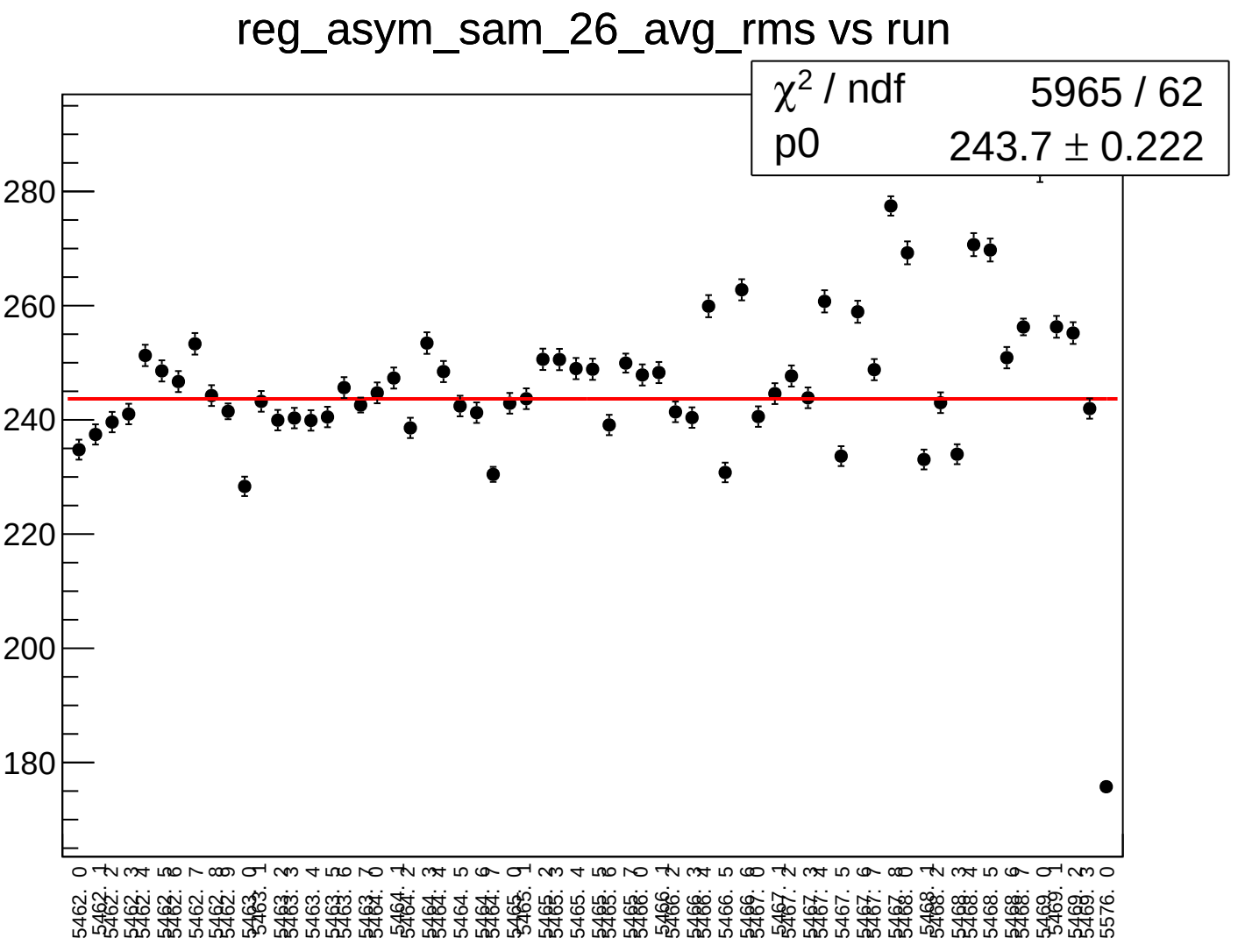

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.95 / 62
p0 1.514e−15 ± 4.593e−15
pull
Entries 63
Mean 37.49
Std Dev 20.91

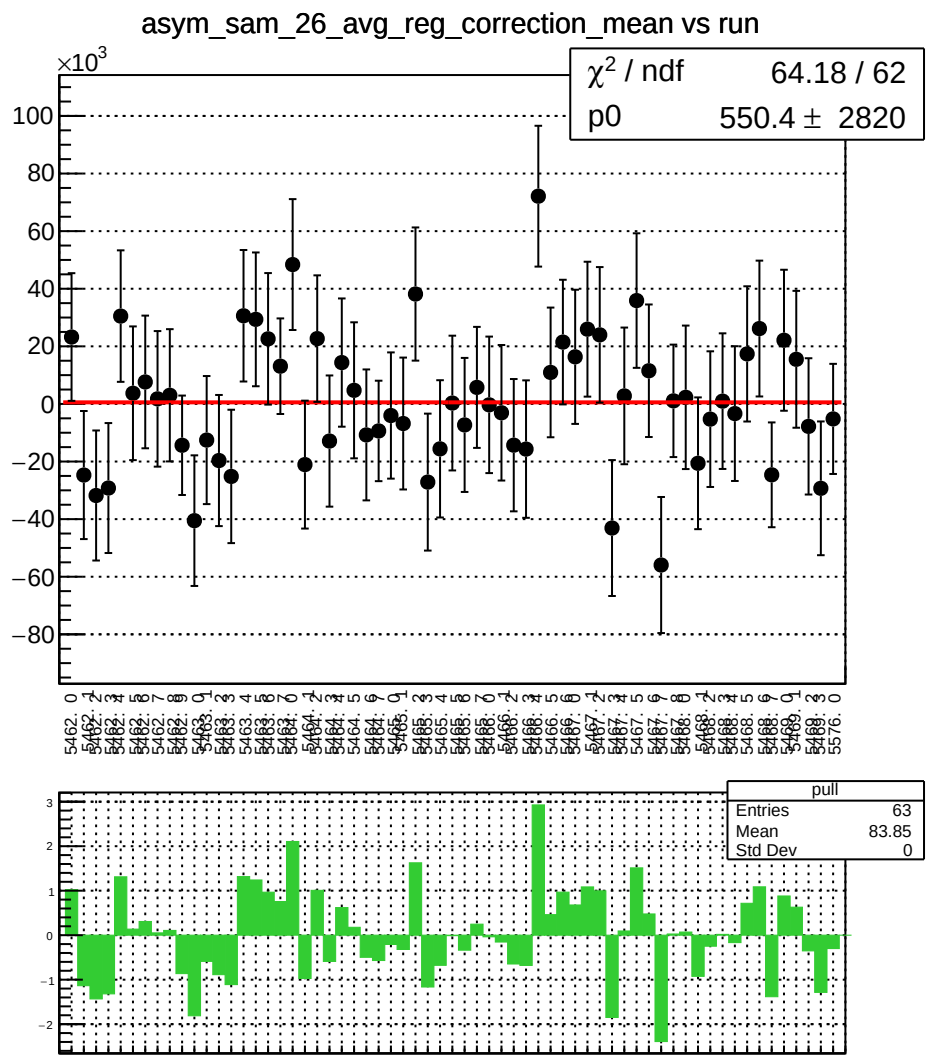

pull1D
Entries 63
Mean 0.0906
Std Dev 1.151

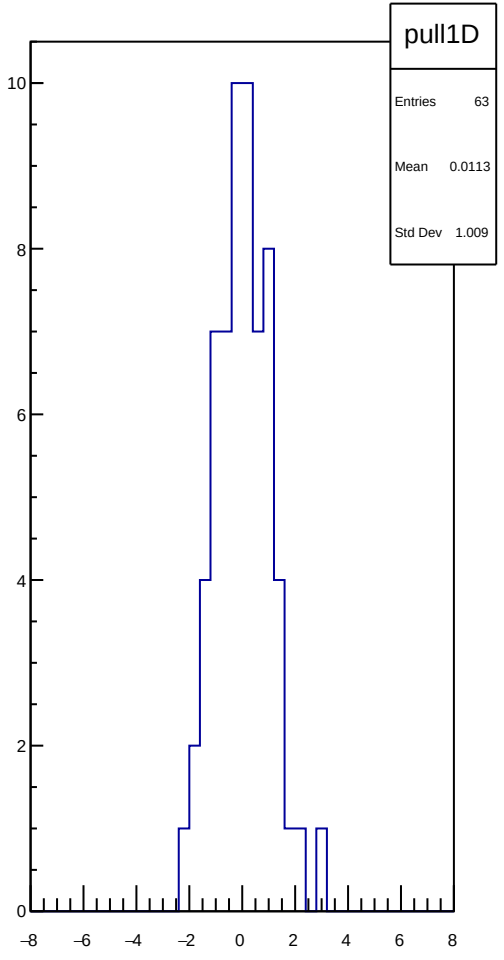

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.012e+05 / 62
p0 2.736e−12 ± 3.248e−15
25
20
15
10
5

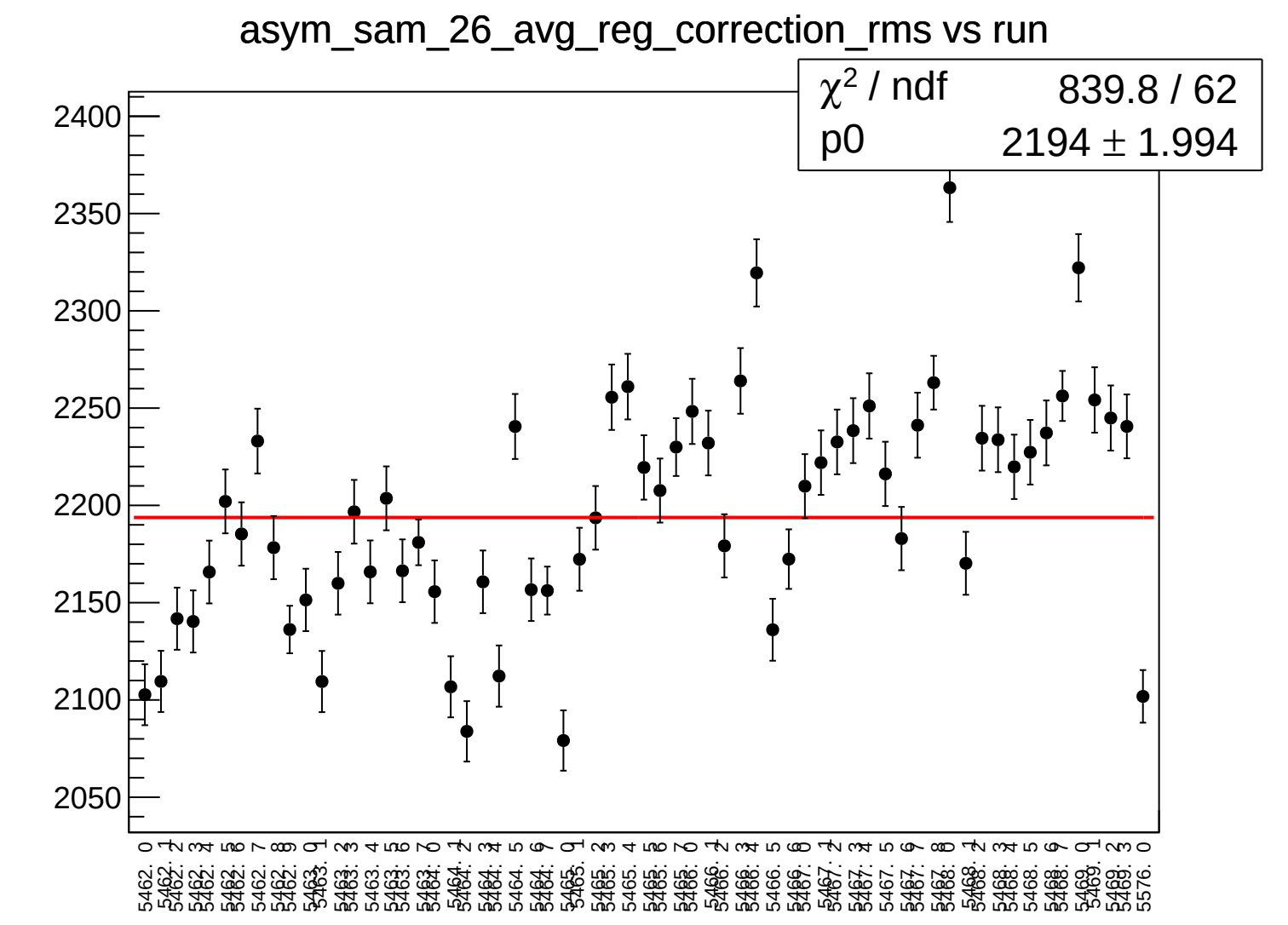

reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 46.86 / 62
p0 183.5 ± 314
pull
Entries 63
Mean −48
Std Dev 0

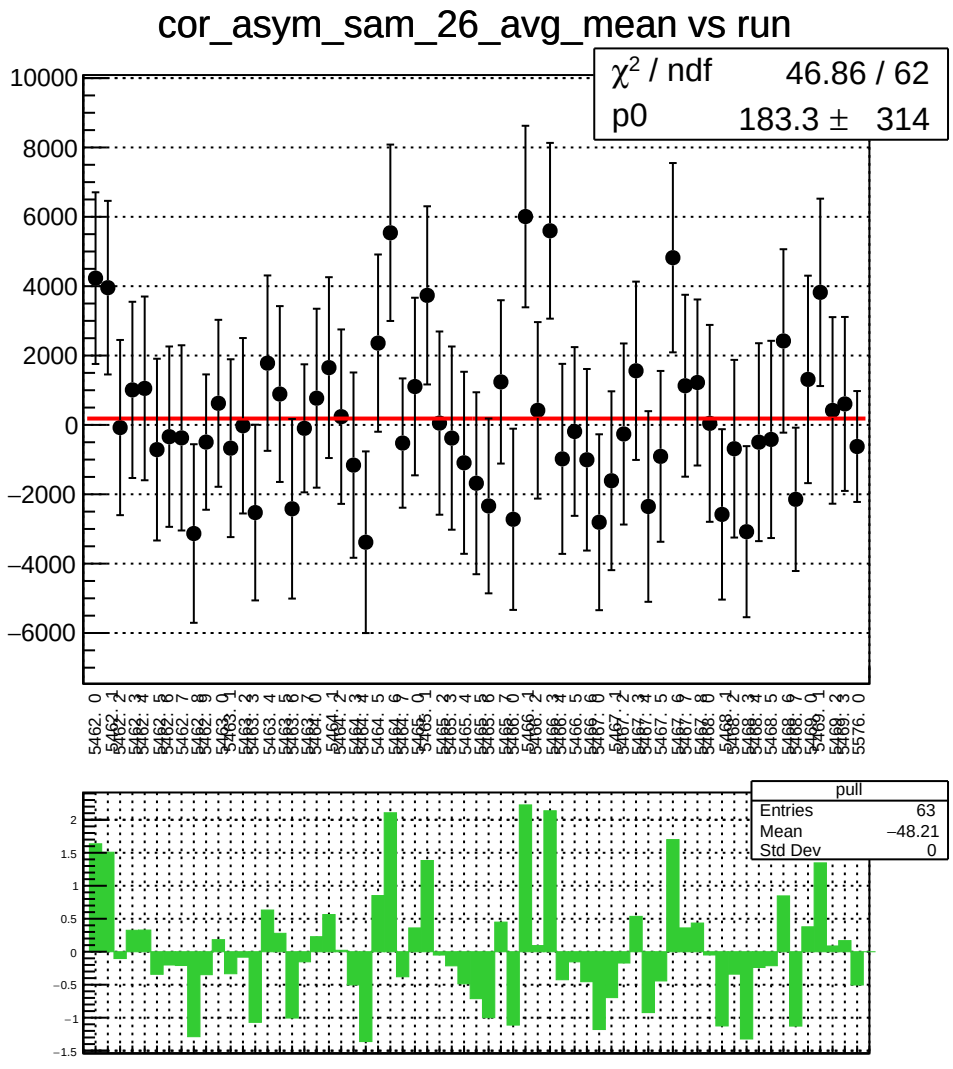

pull1D
Entries 63
Mean 0.0136
Std Dev 0.8623

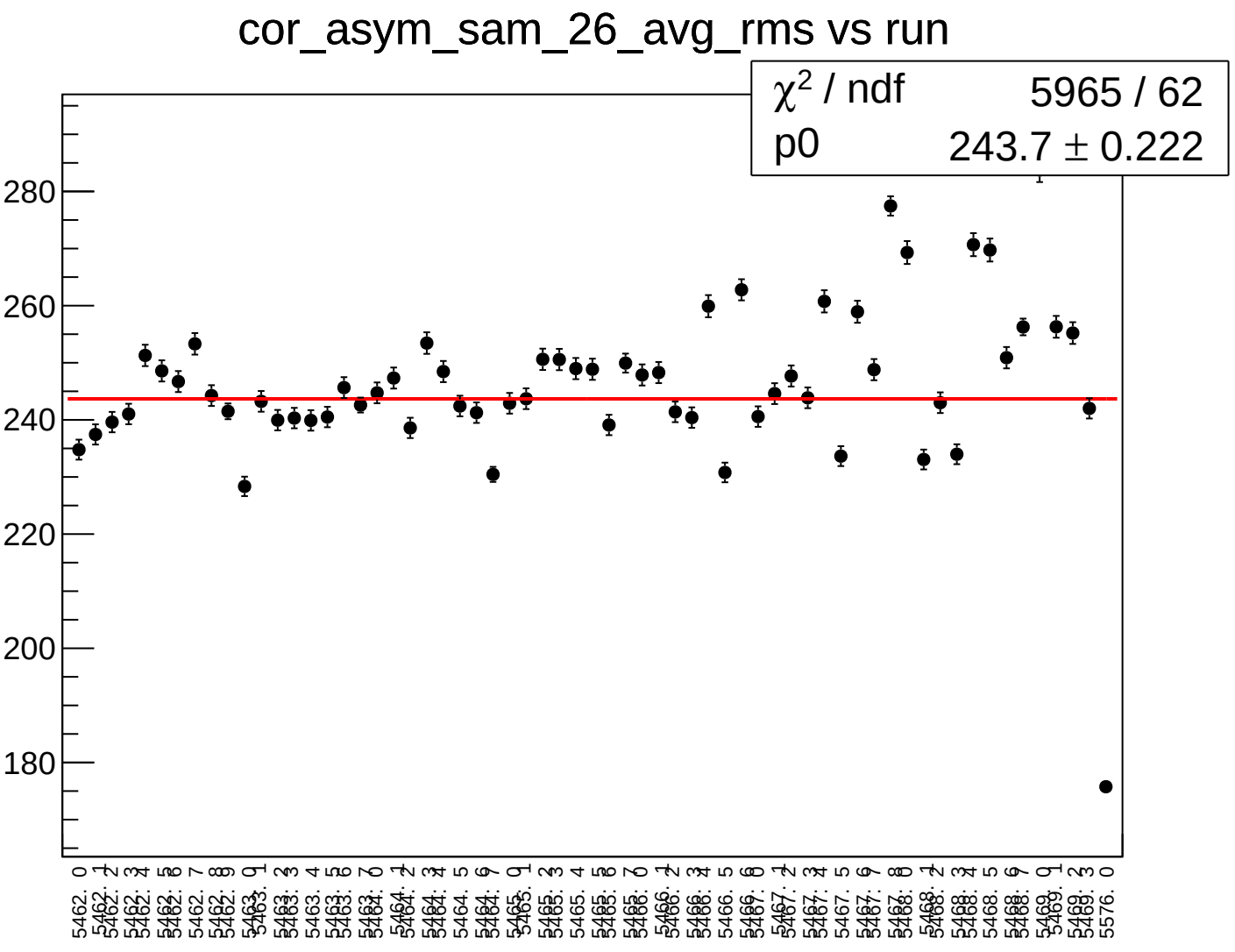

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 5965 / 62
p0 243.7 ± 0.222
280
260
240
220
200
180

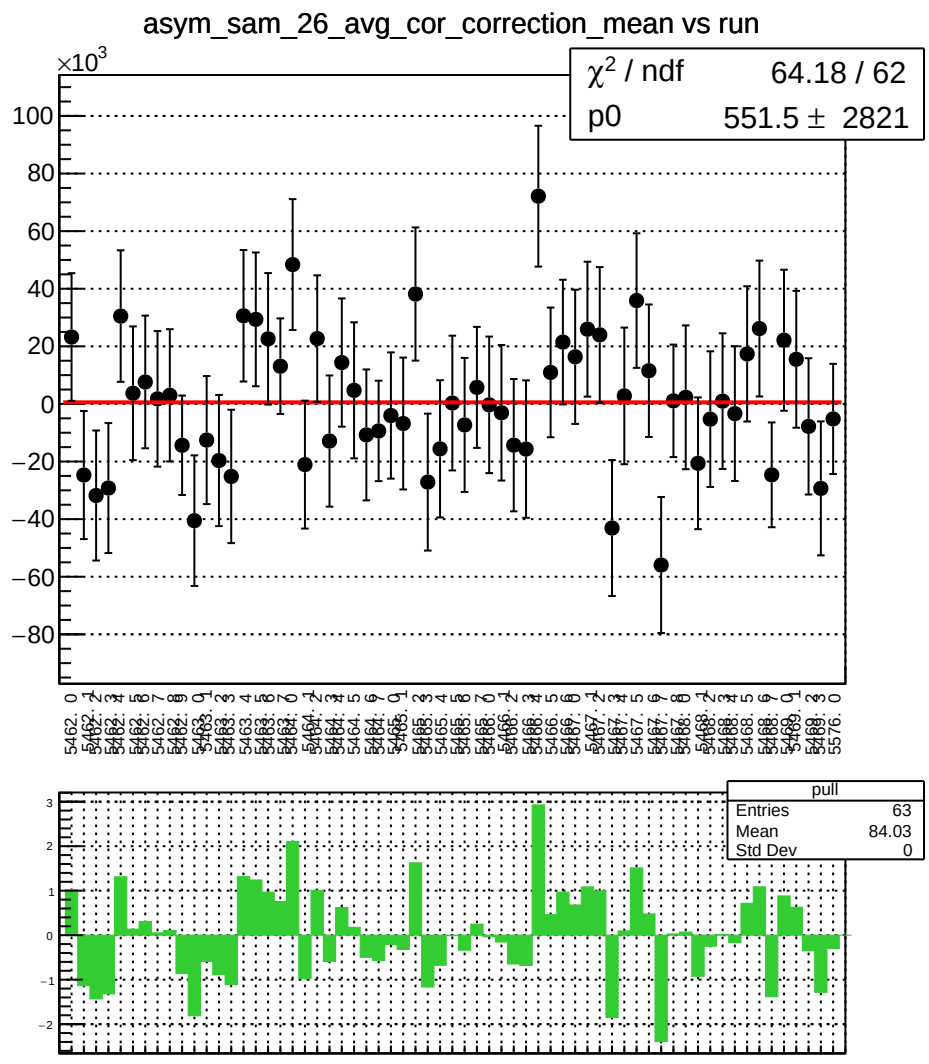

asym_sam_26_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 64.18 / 62
p0 550.4 ± 2820
pull
Entries 63
Mean 83.85
Std Dev 0

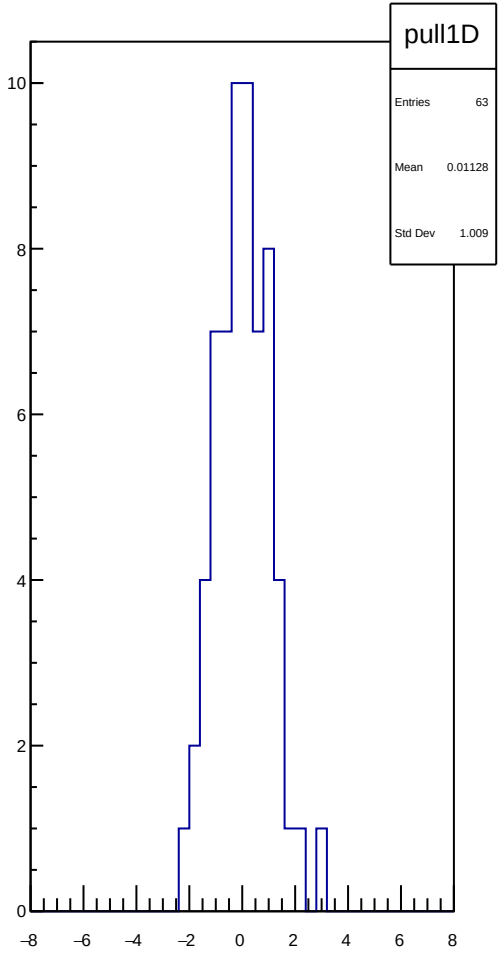

pull1D
Entries 63
Mean 0.0113
Std Dev 1.009

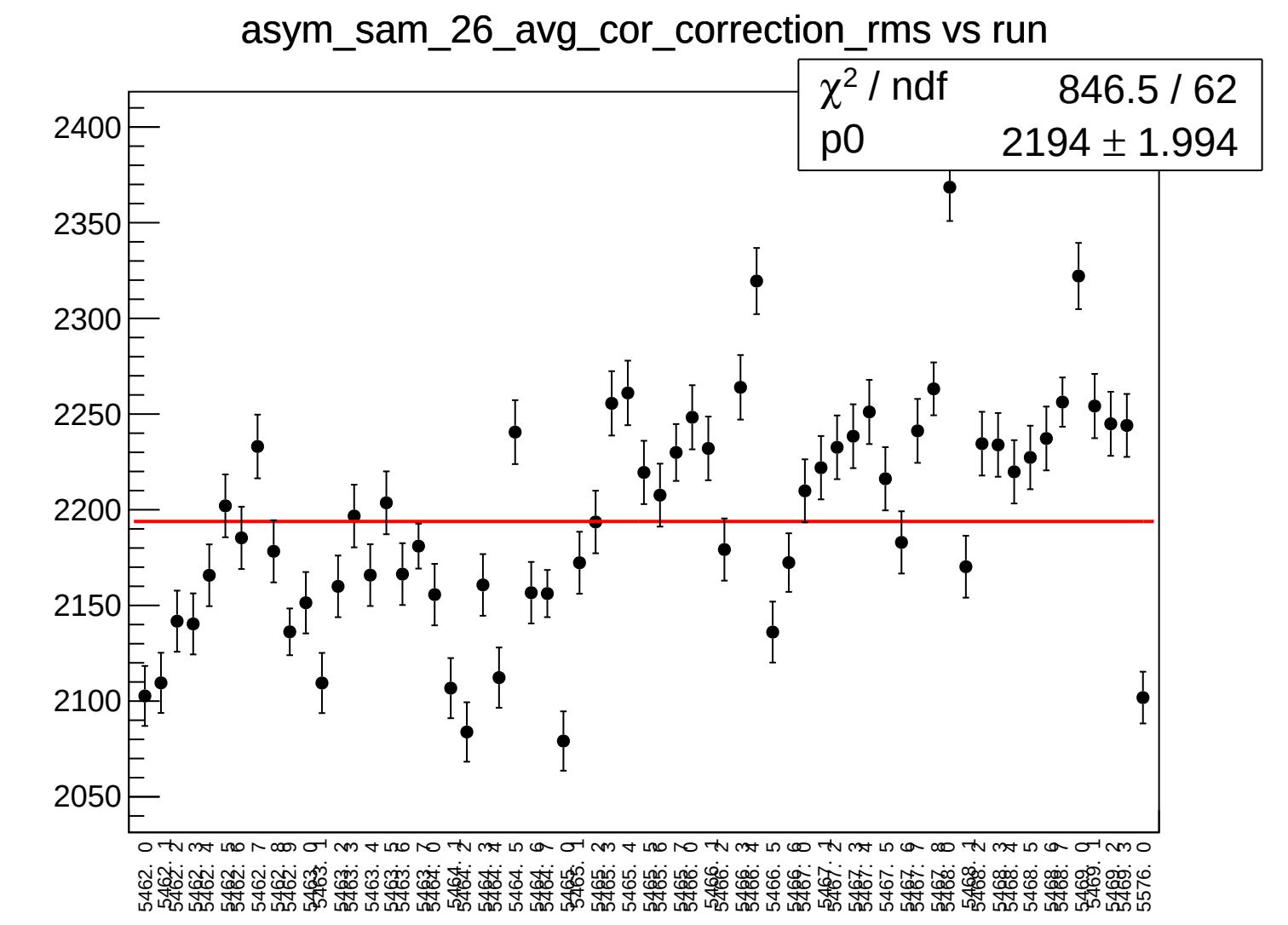

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 839.8 / 62
p0 2194 ± 1.994
2400
2350
2300
2250
2200
2150
2100
2050
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

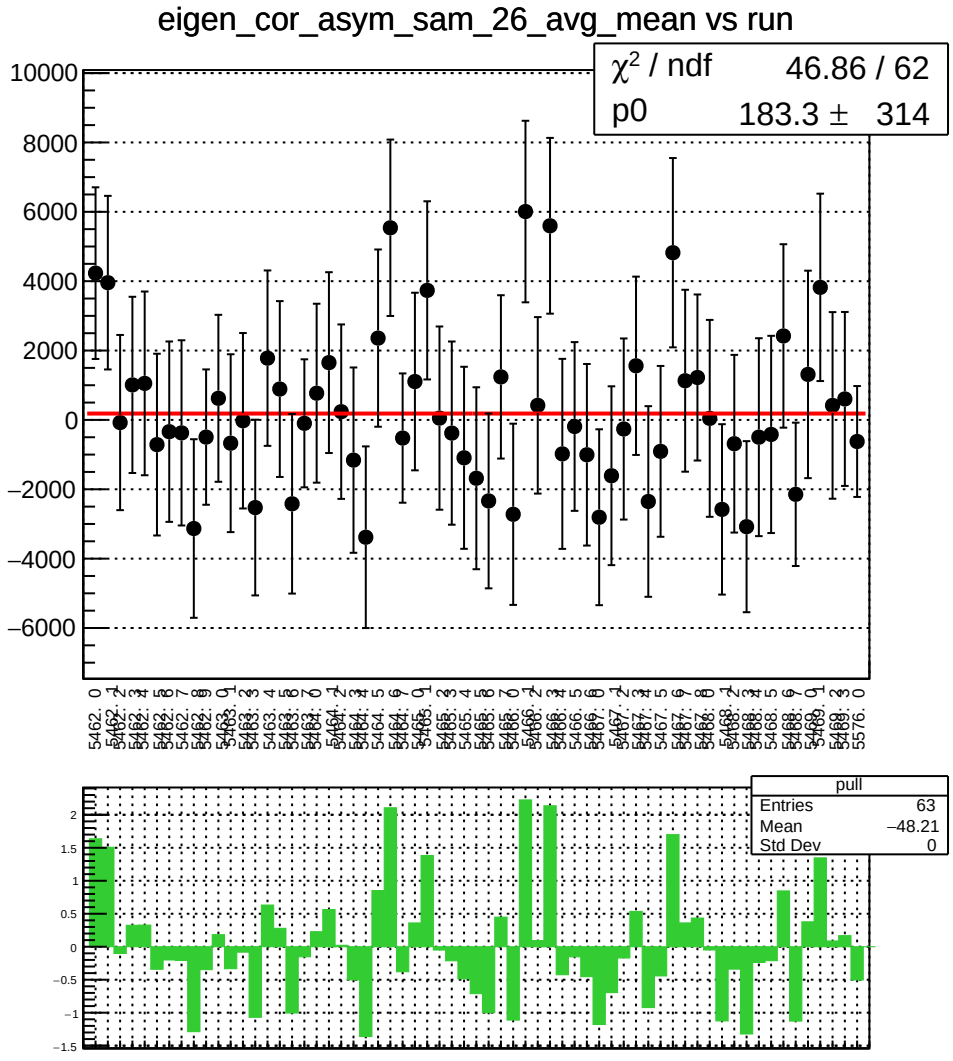

cor_asym_sam_26_avg_mean vs run
χ² / ndf 46.86 / 62
p0 183.3 ± 314
pull
Entries 63
Mean −48.21
Std Dev 0
pull1D
Entries 63
Mean 0.0136
Std Dev 0.8623

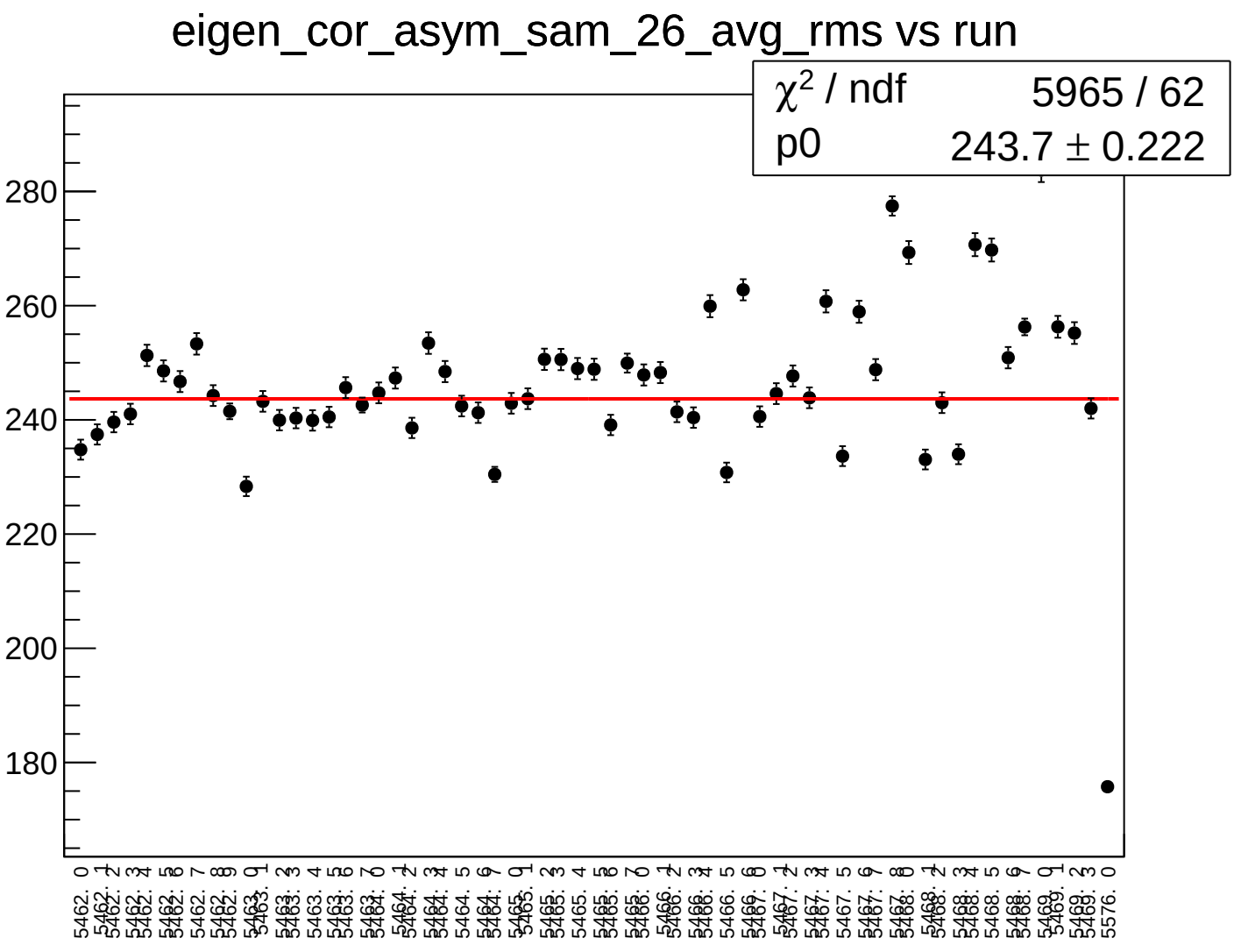

cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 5965 / 62
p0 243.7 ± 0.222
280
260
240
220
200
180
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

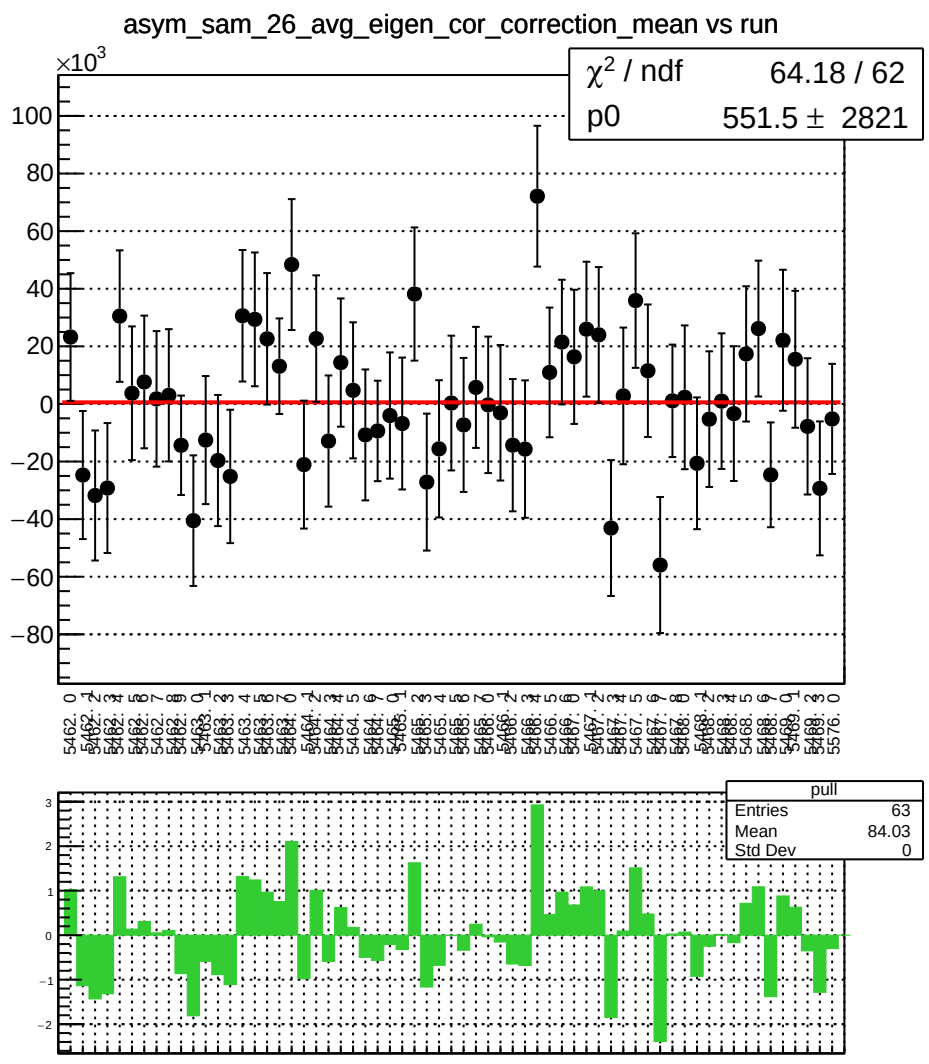

asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ² / ndf 64.18 / 62
p0 551.5 ± 2821
pull
Entries 63
Mean 84.03
Std Dev 0

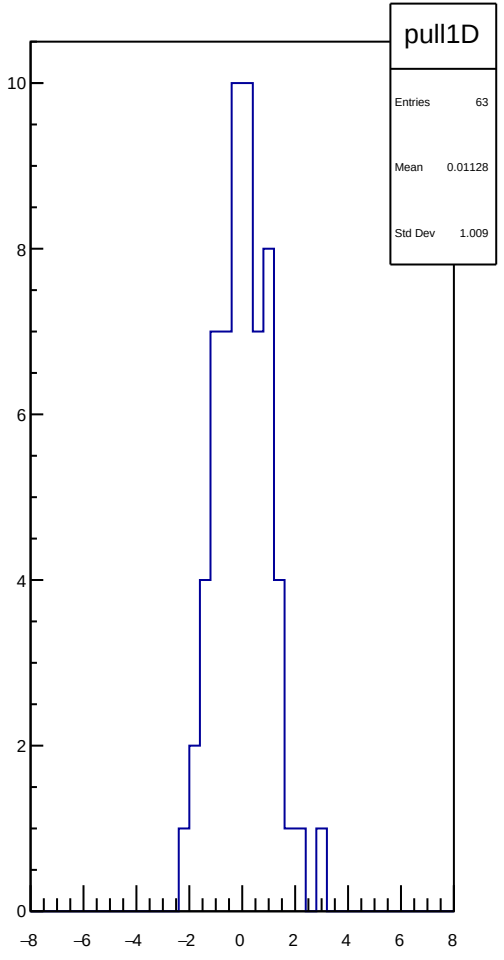

pull1D
Entries 63
Mean 0.01128
Std Dev 1.009

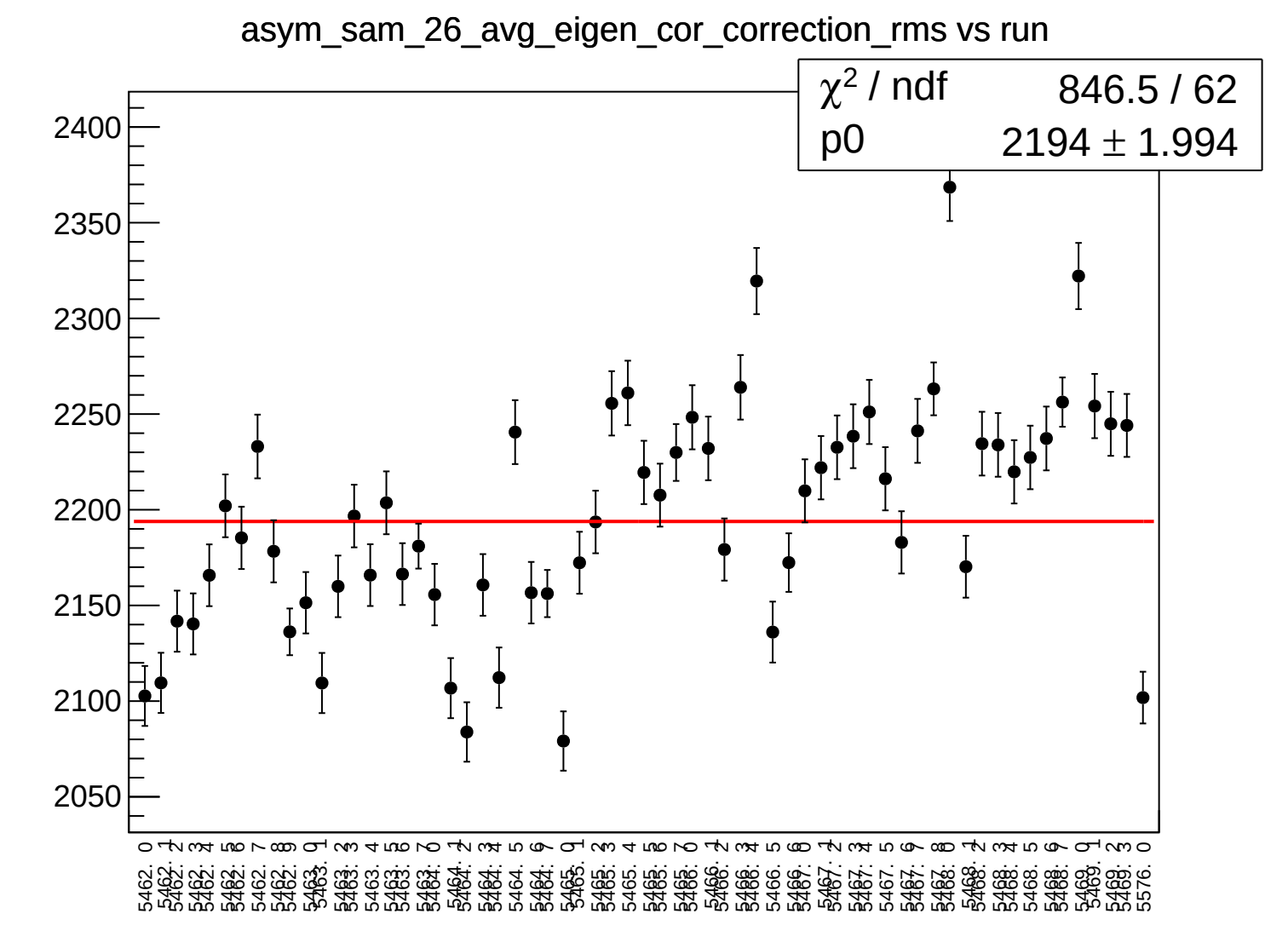

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 846.5 / 62
p0 2194 ± 1.994
2400
2350
2300
2250
2200
2150
2100
2050

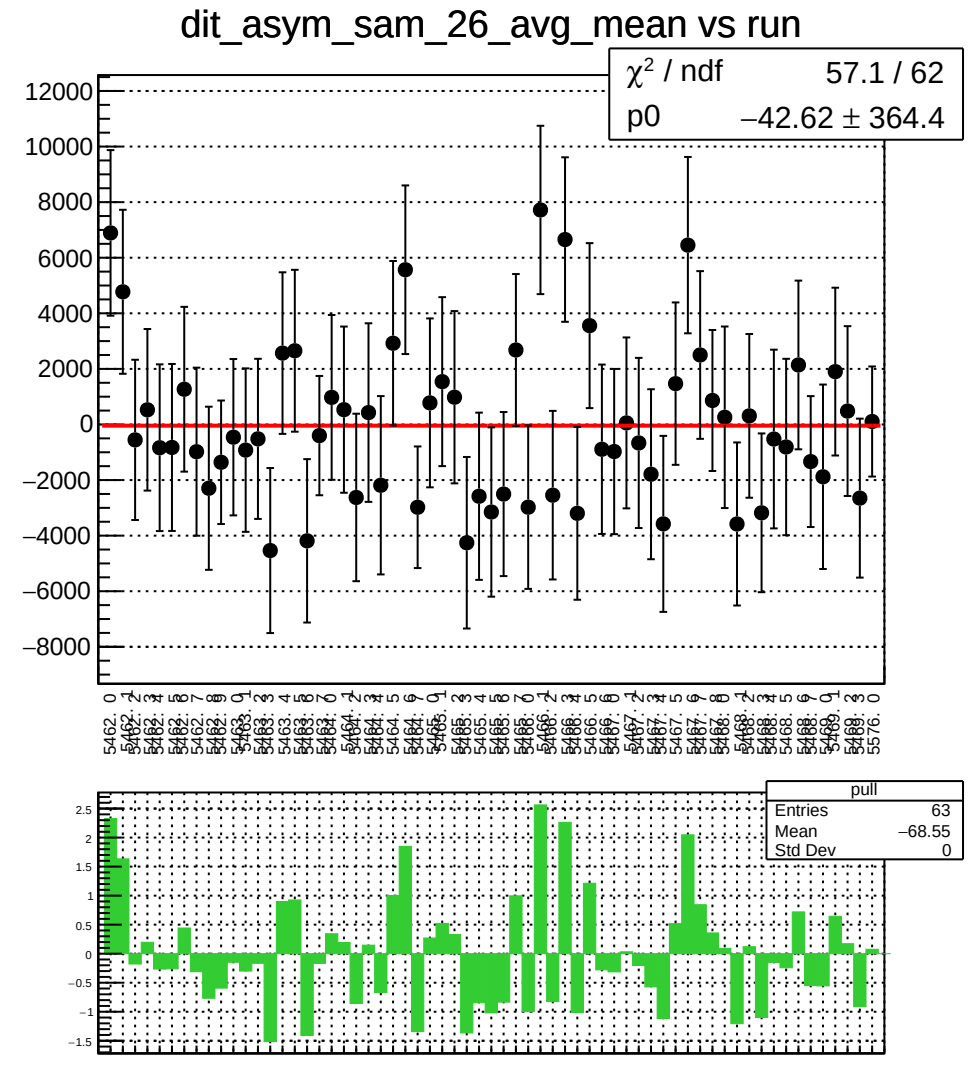

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 46.86 / 62
p0 183.3 ± 314
pull
Entries 63
Mean −48.21
Std Dev 0
pull1D
Entries 63
Mean 0.0136
Std Dev 0.8623

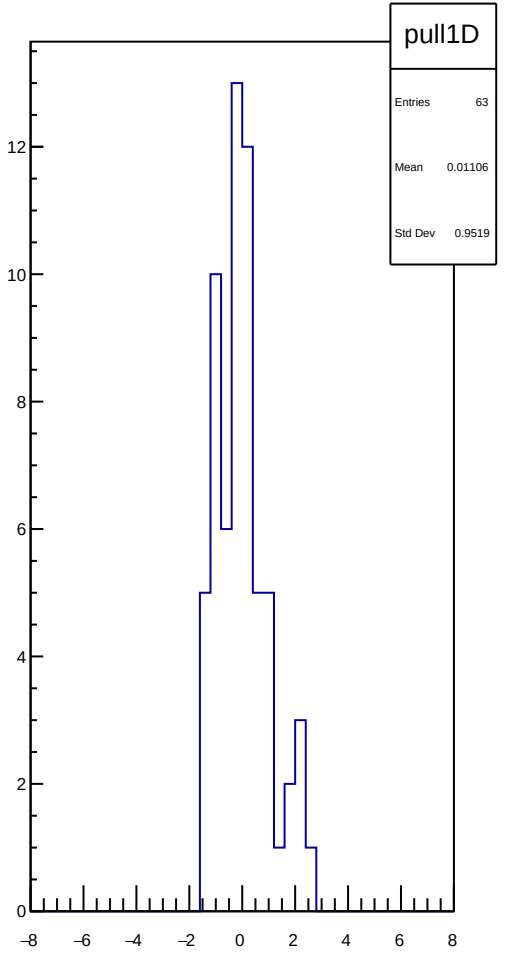

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 5965 / 62
p0 243.7 ± 0.222
280
260
240
220
200
180

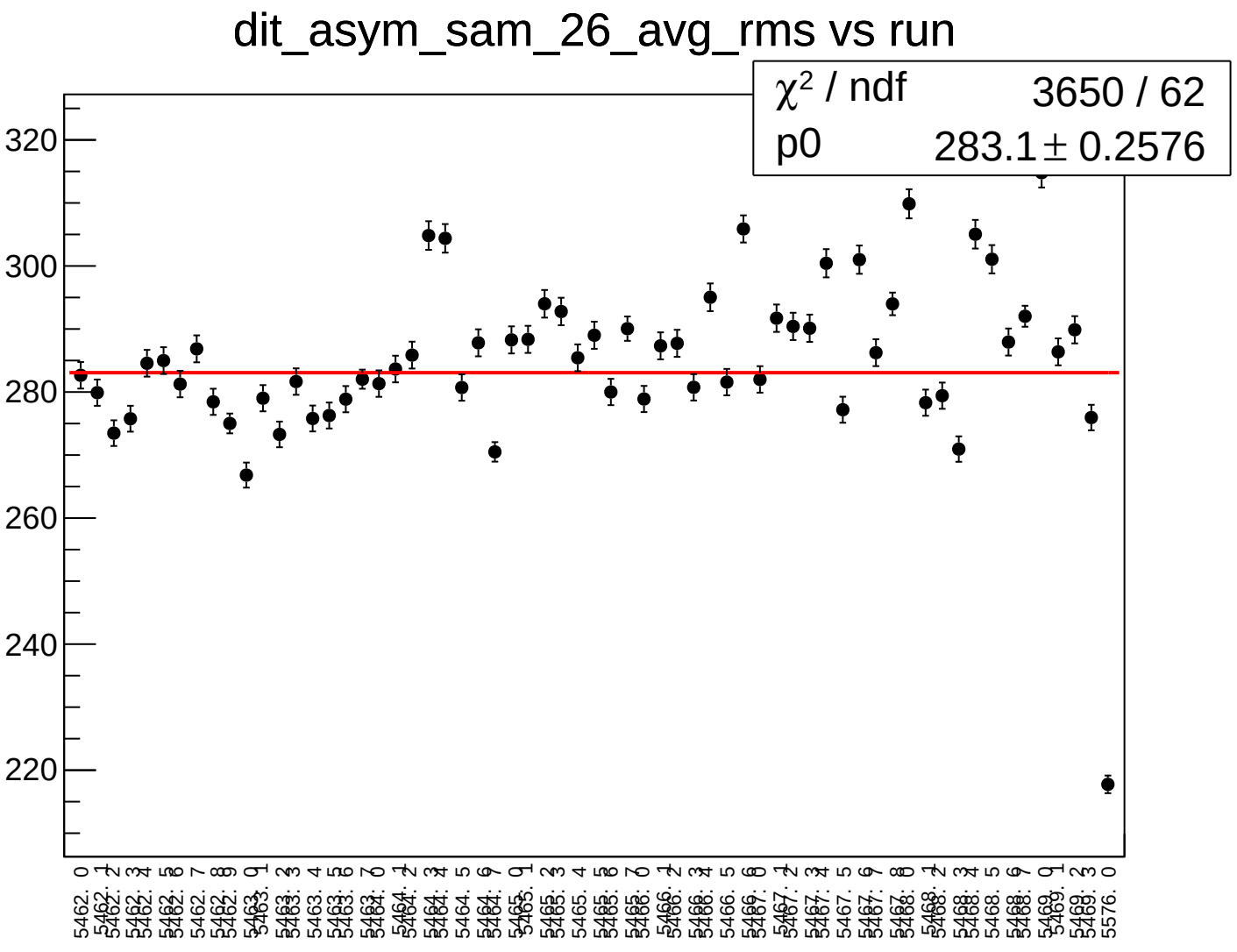

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 64.18 / 62
p0 551.5 ± 2821
pull
Entries 63
Mean 84.03
Std Dev 0

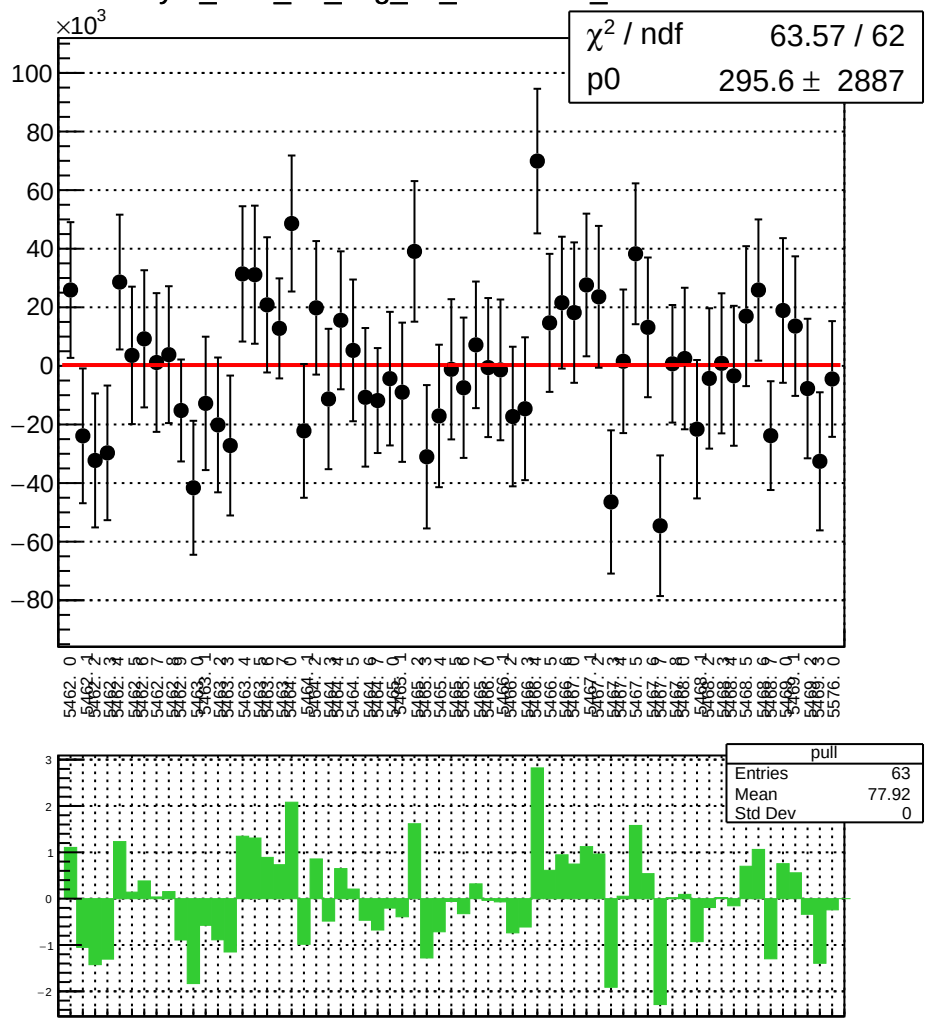

pull1D
Entries 63
Mean 0.01128
Std Dev 1.009

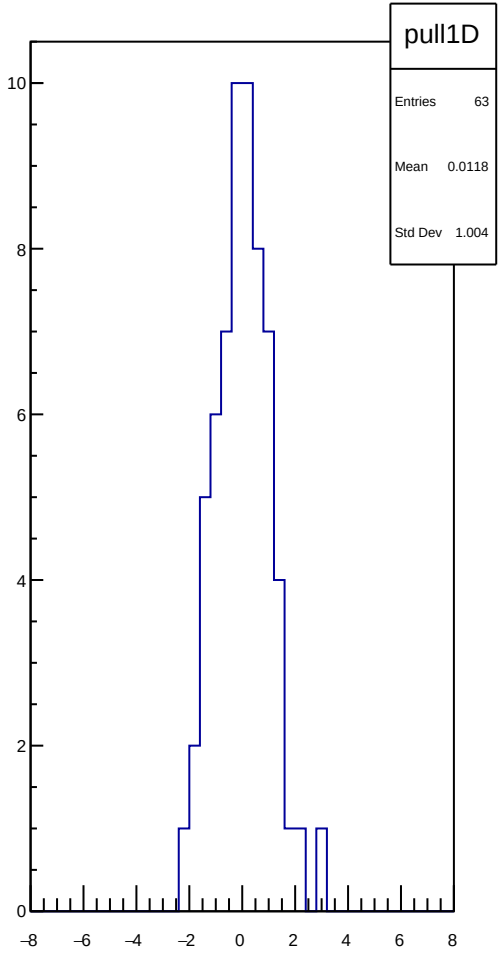

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 846.5 / 62
p0 2194 ± 1.994
2400
2350
2300
2250
2200
2150
2100
2050

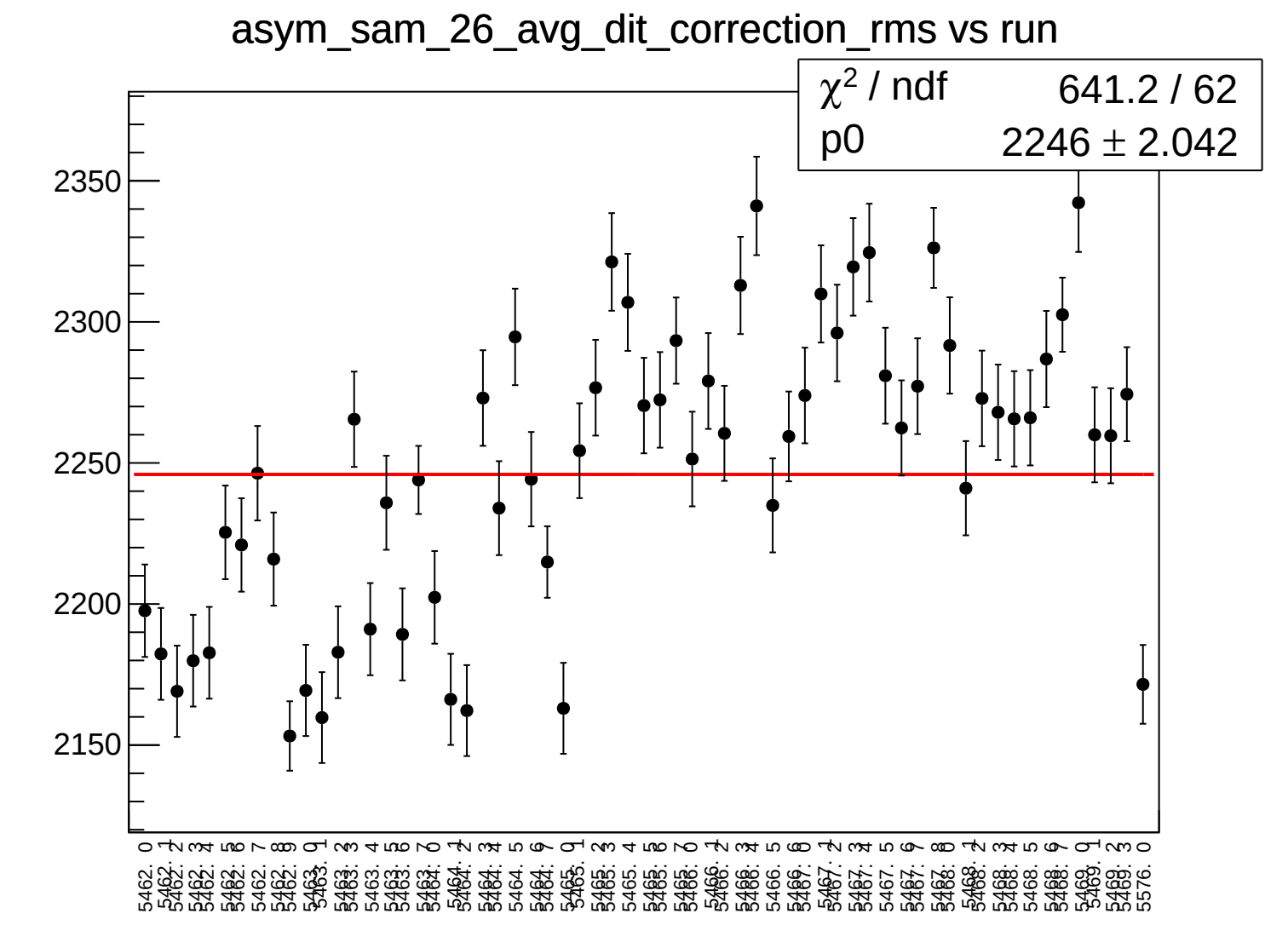

dit_asym_sam_26_avg_mean vs run
χ² / ndf 57.1 / 62
p0 −42.62 ± 364.4
pull
Entries 63
Mean −68.55
Std Dev 0


pull1D
Entries 63
Mean 0.01106
Std Dev 0.9519


dit_asym_sam_26_avg_rms vs run
χ² / ndf 3650 / 62
p0 283.1 ± 0.2576
320
300
280
260
240
220


asym_sam_26_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 63.57 / 62
p0 295.6 ± 2887
pull
Entries 63
Mean 77.92
Std Dev 0


pull1D
Entries 63
Mean 0.0118
Std Dev 1.004


asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 641.2 / 62
p0 2246 ± 2.042
2350
2300
2250
2200
2150
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
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5464. 7
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5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
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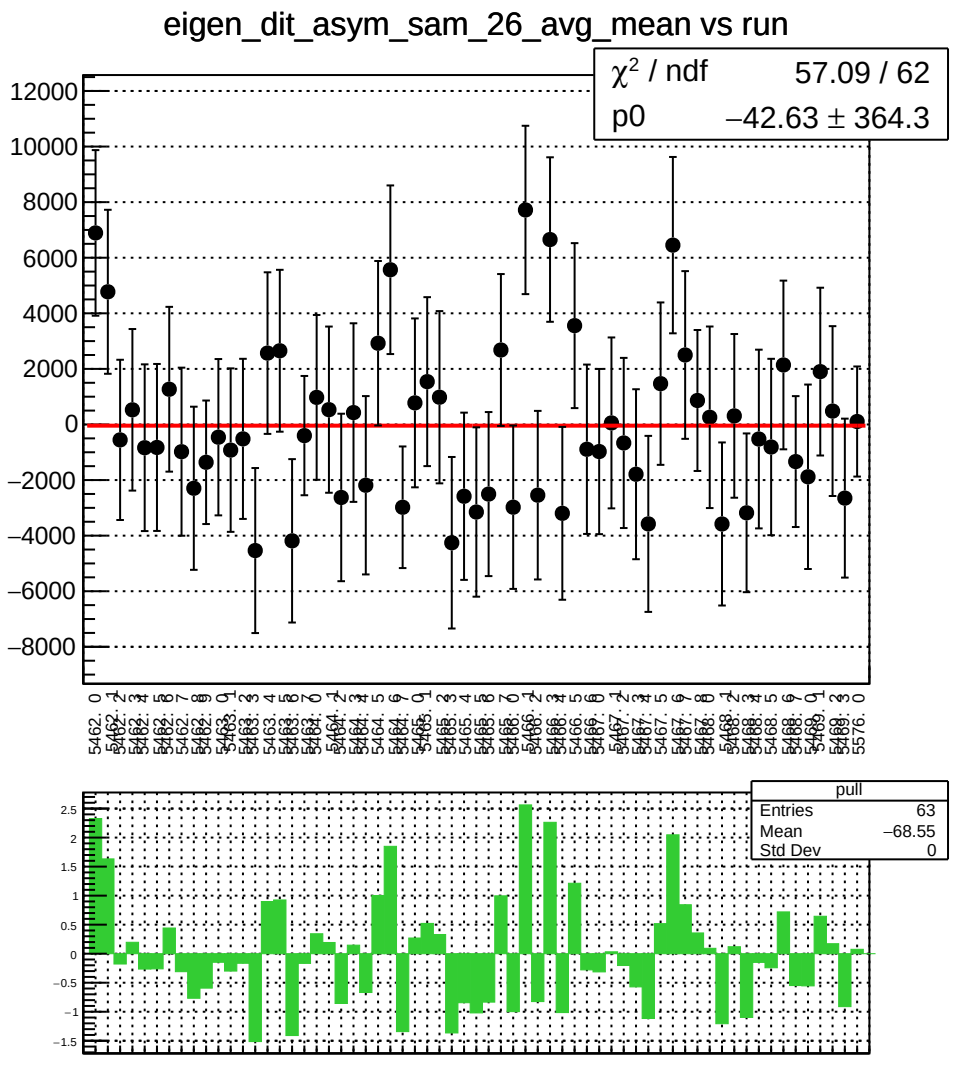
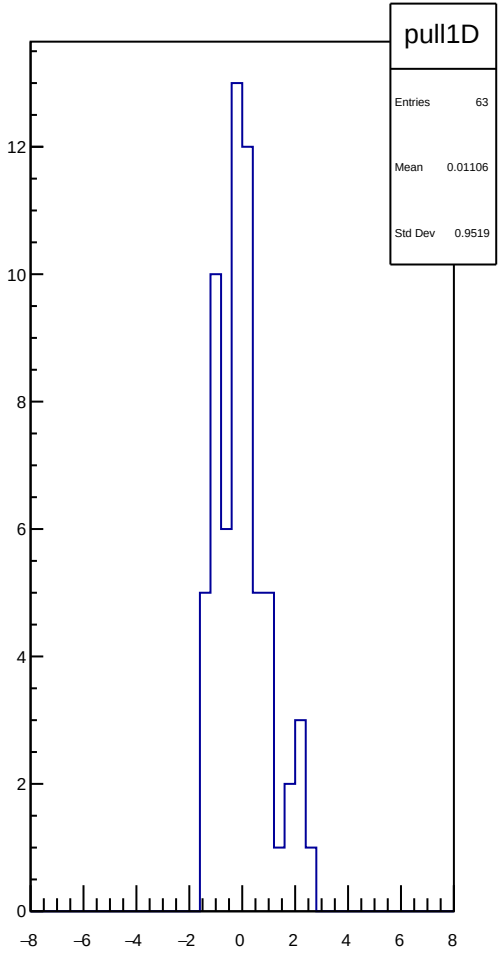
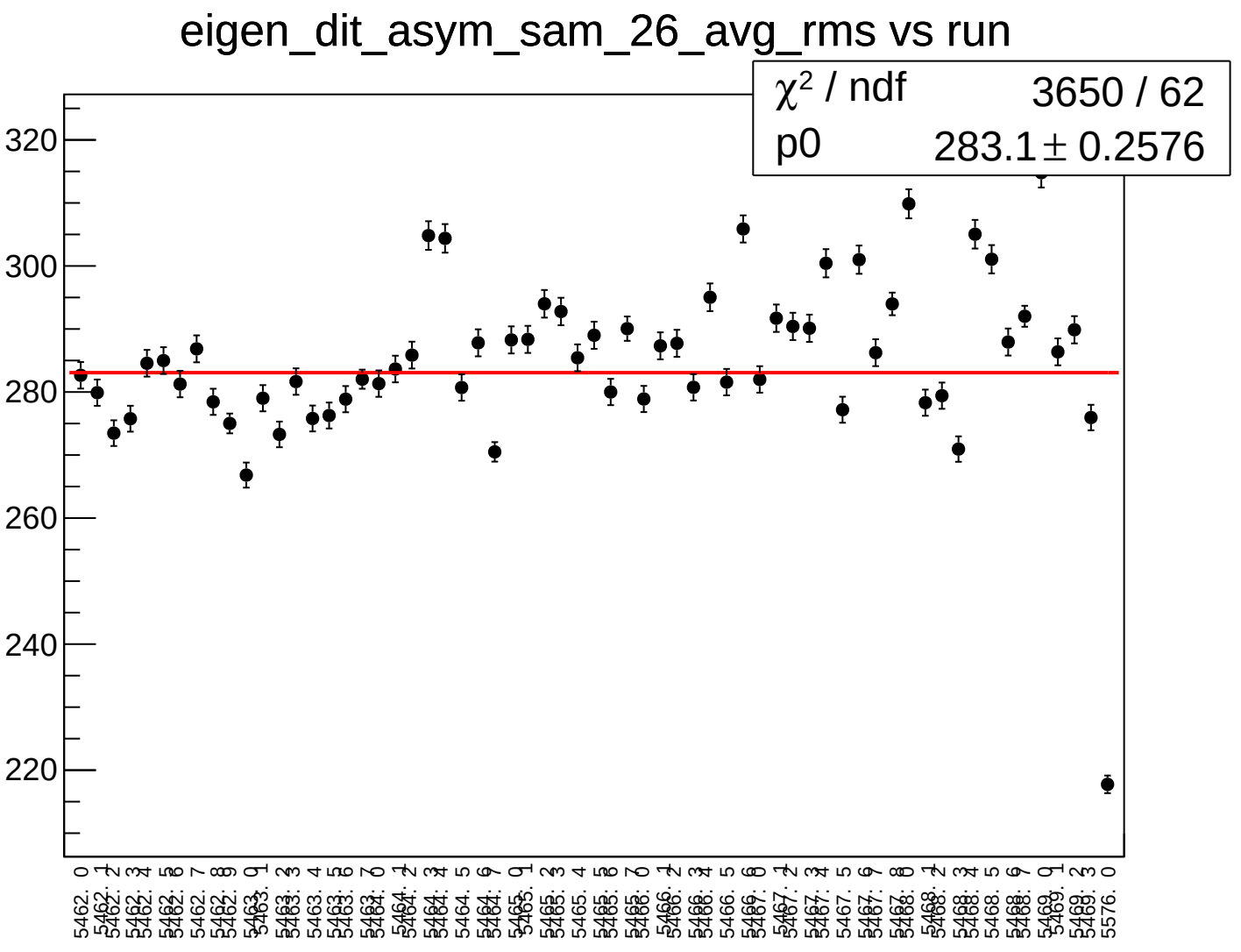
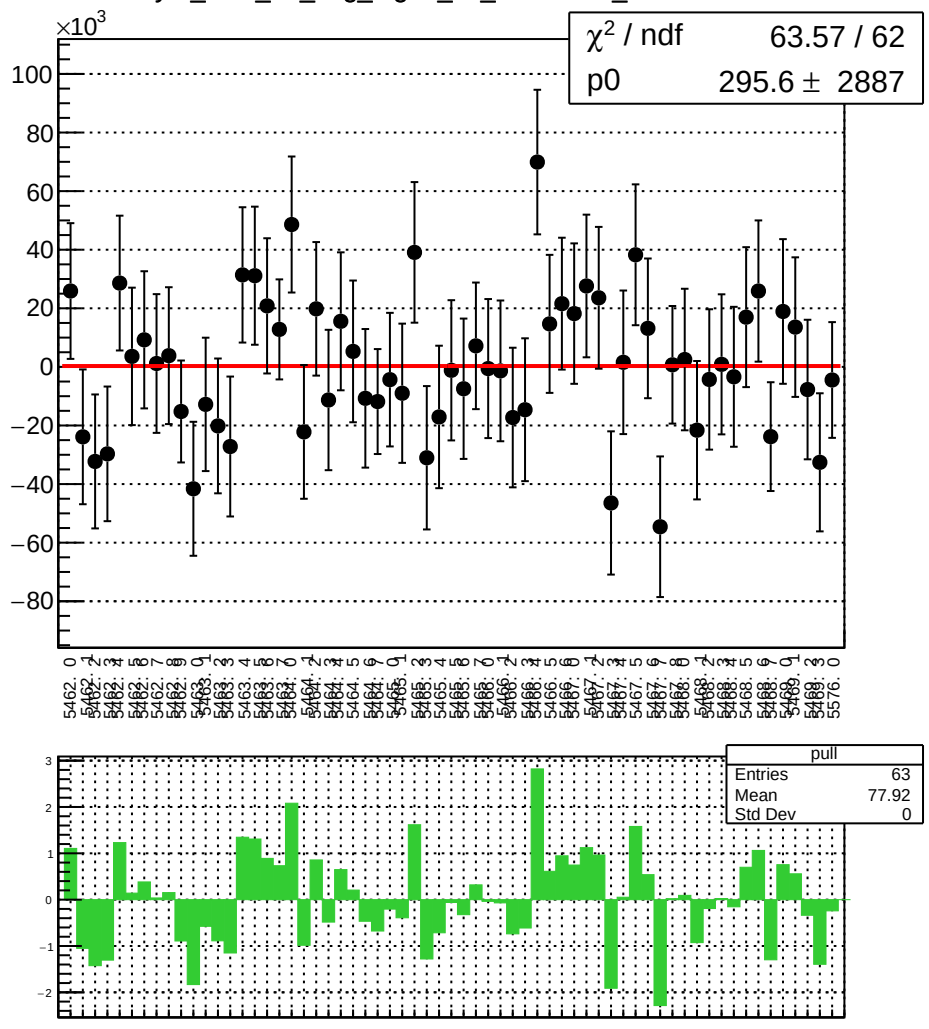
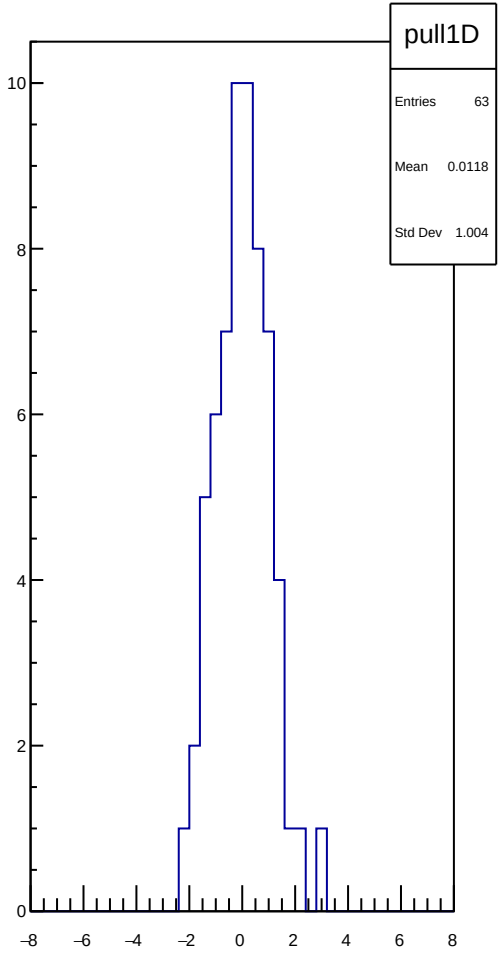
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

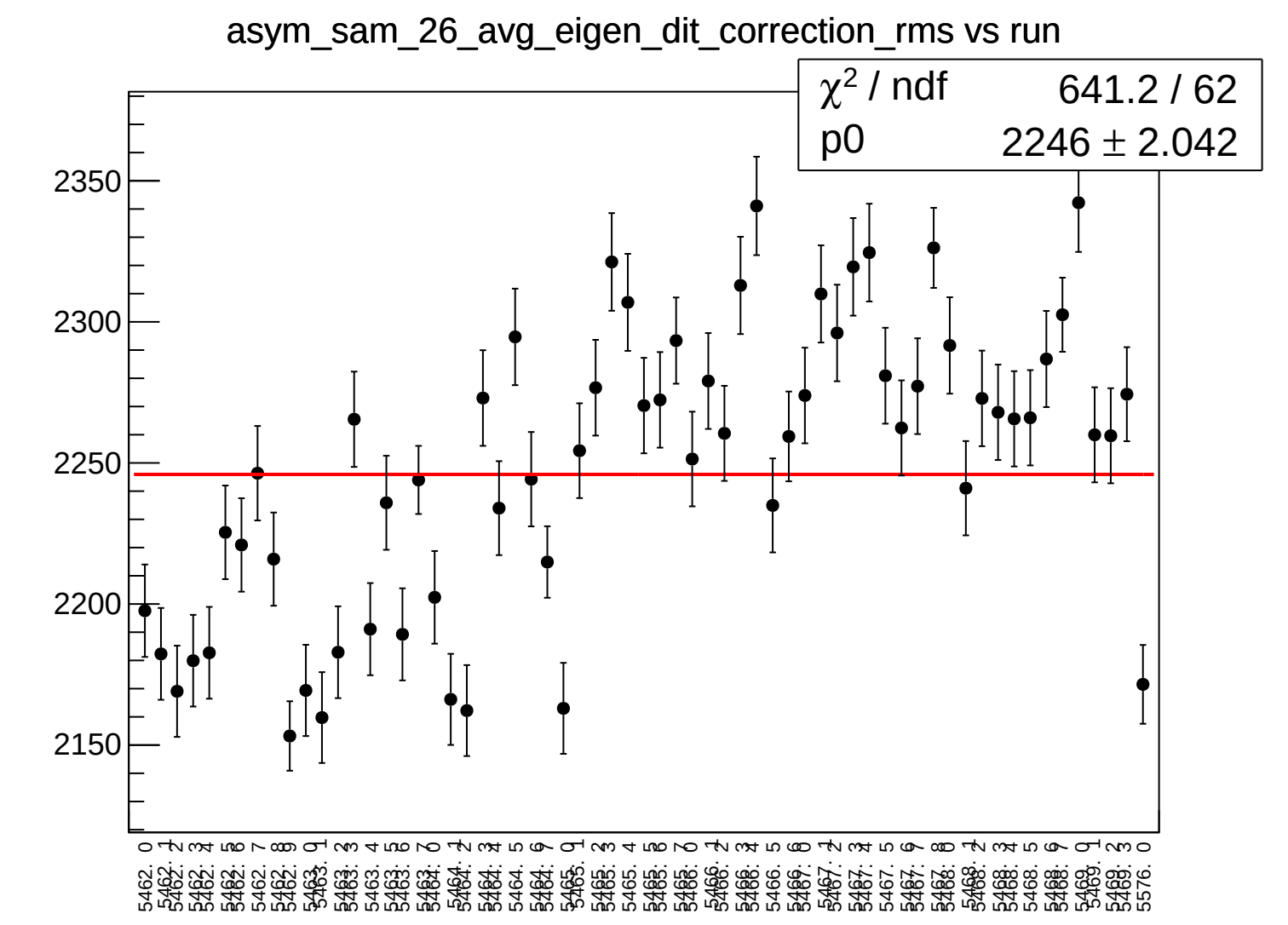

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 57.09 / 62
p0 −42.63 ± 364.3
pull
Entries 63
Mean −68.55
Std Dev 0

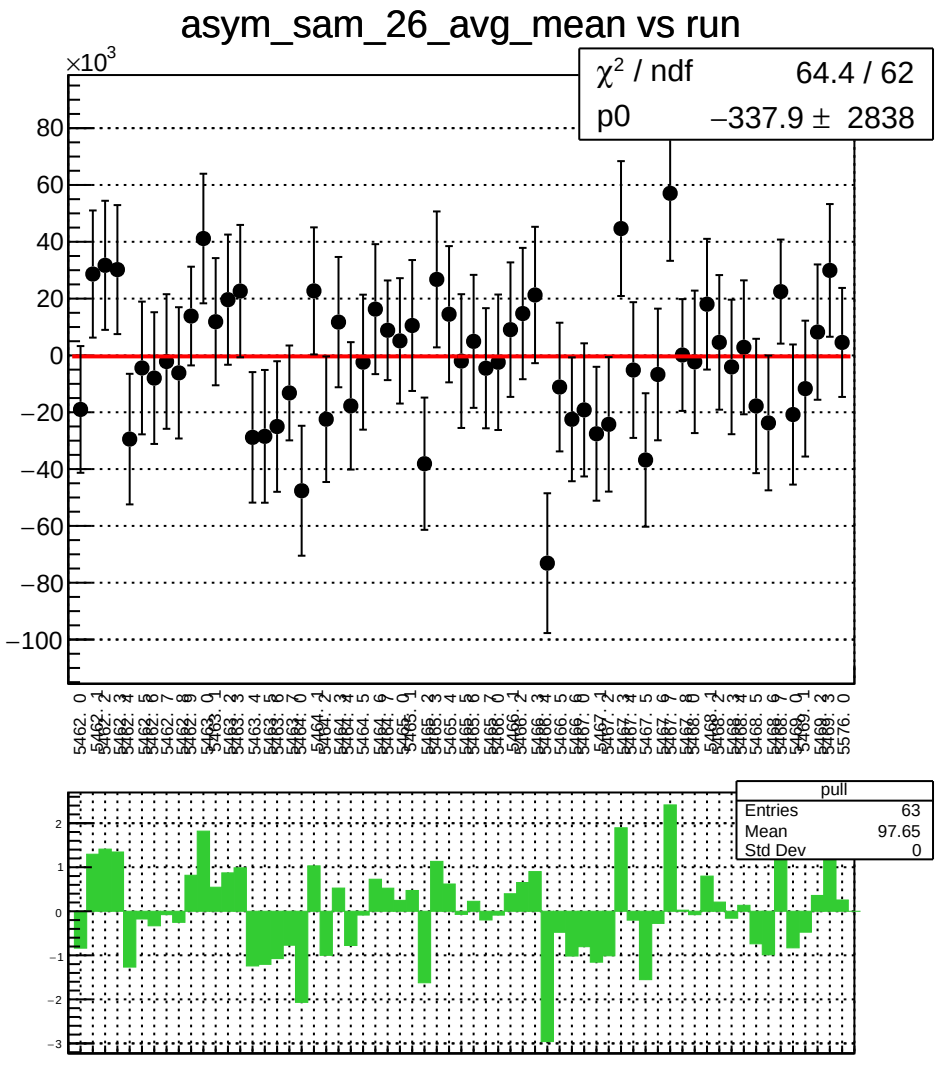

pull1D
Entries 63
Mean 0.01106
Std Dev 0.9519

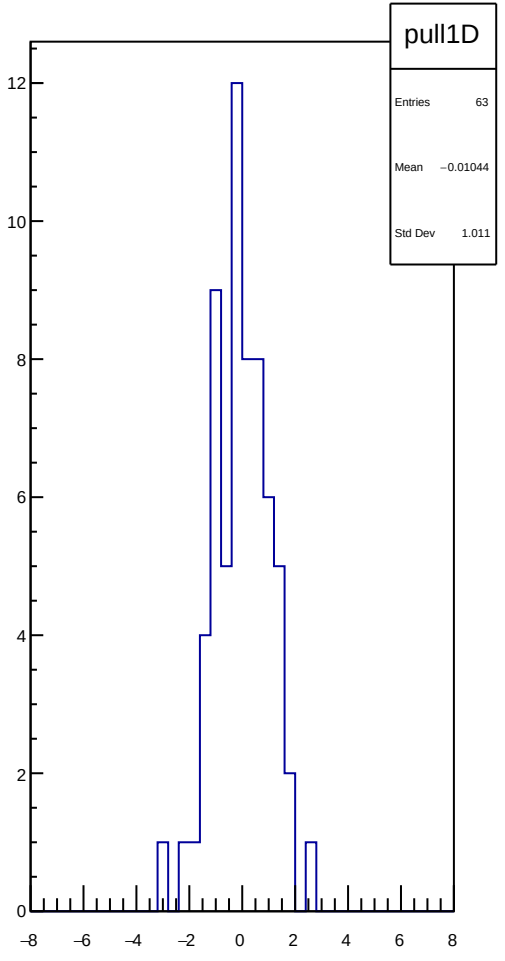

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 3650 / 62
p0 283.1 ± 0.2576
320
300
280
260
240
220

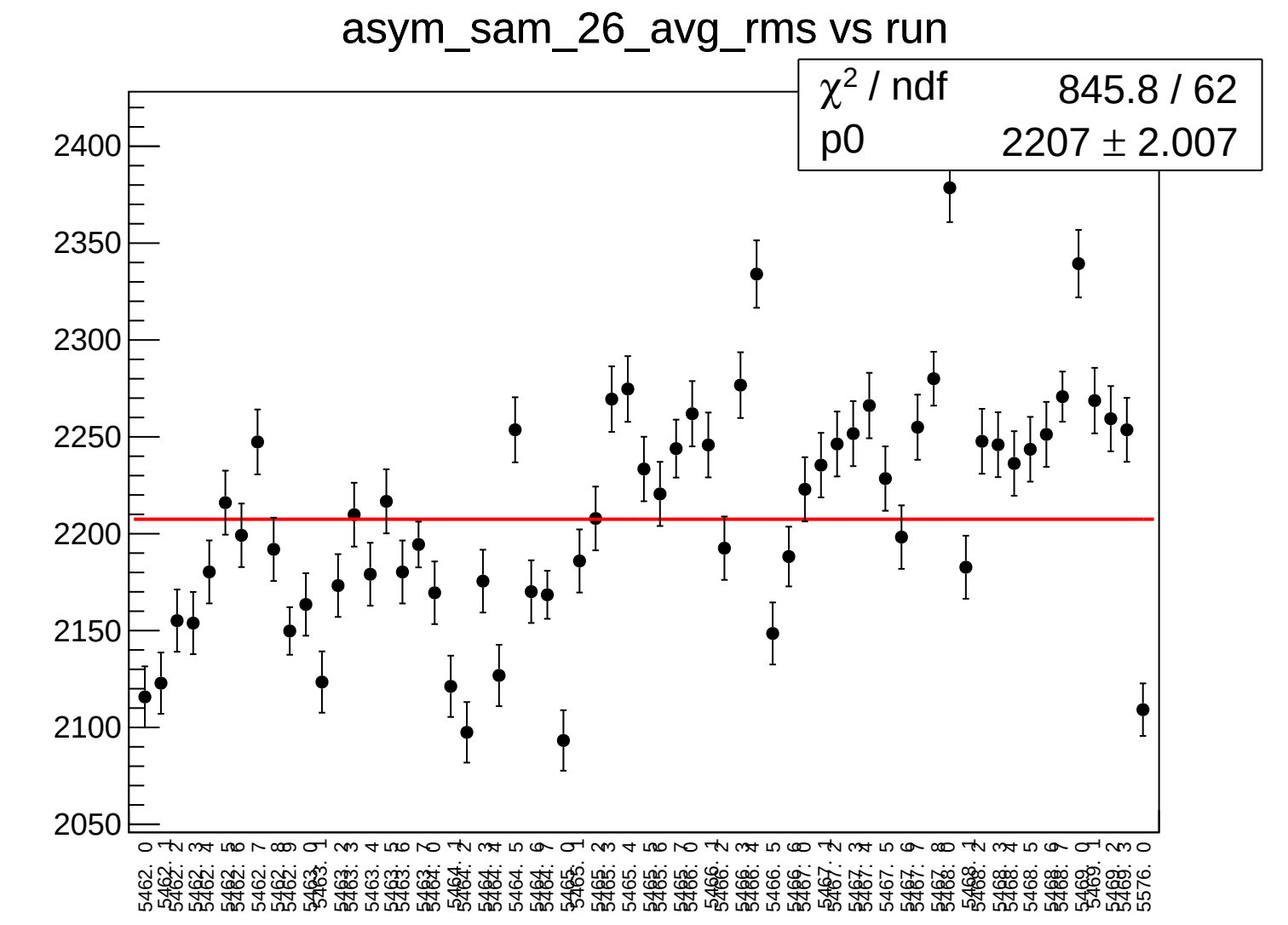

asym_sam_26_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 63.57 / 62
p0 295.6 ± 2887
pull
Entries 63
Mean 77.92
Std Dev 0

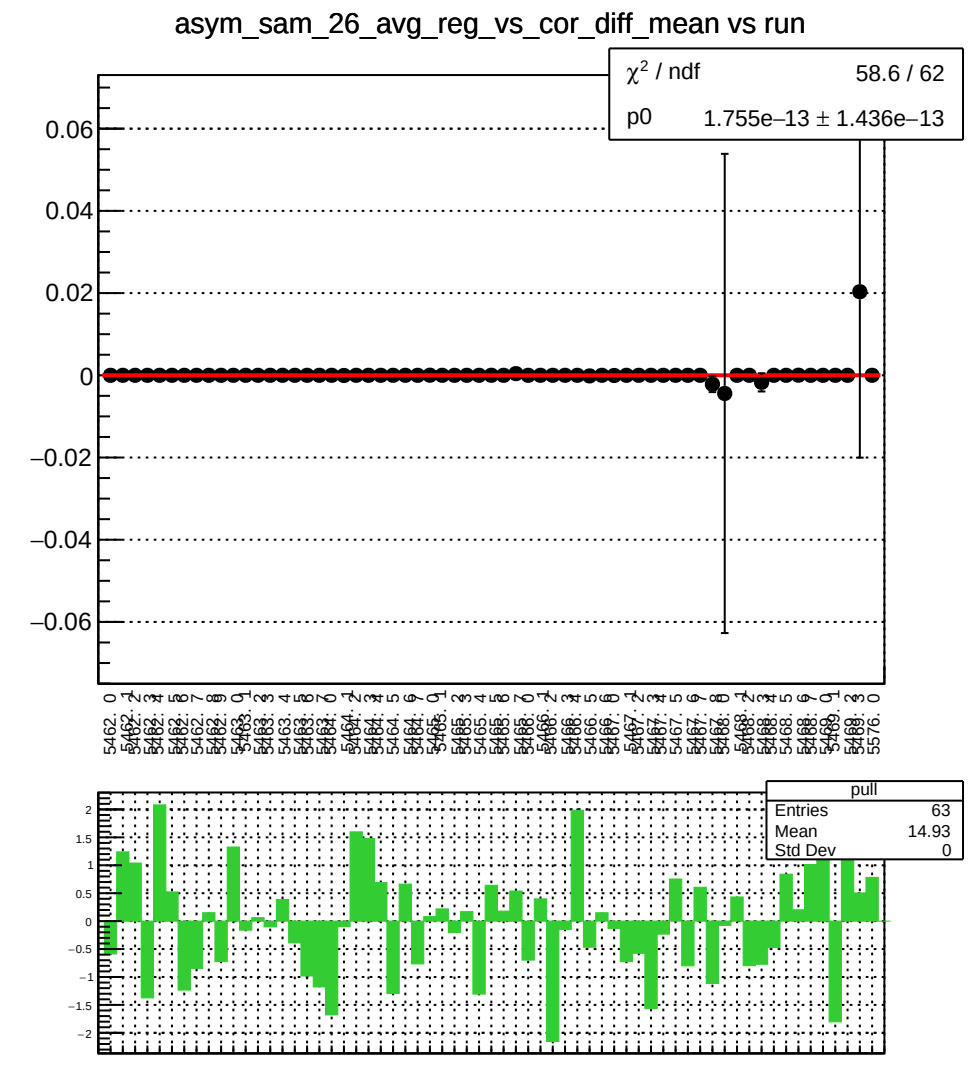

pull1D
Entries 63
Mean 0.0118
Std Dev 1.004

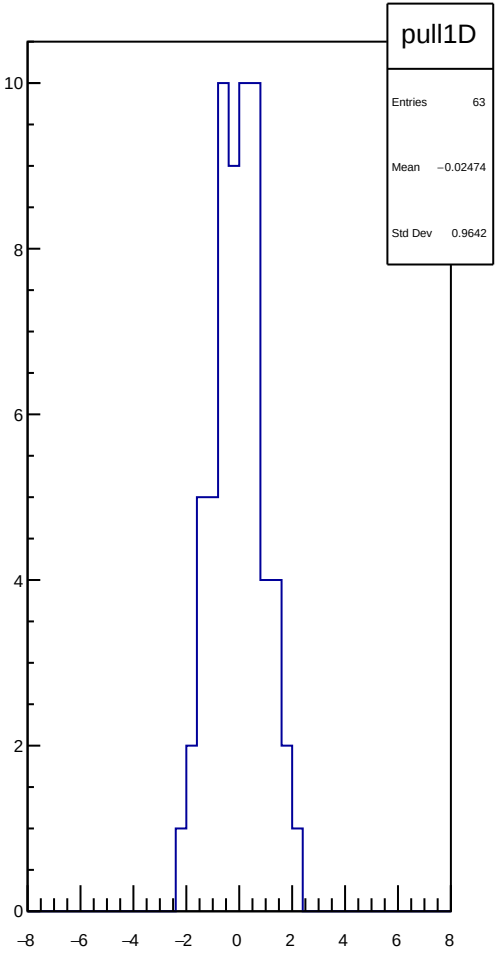

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 641.2 / 62
p0 2246 ± 2.042
2350
2300
2250
2200
2150

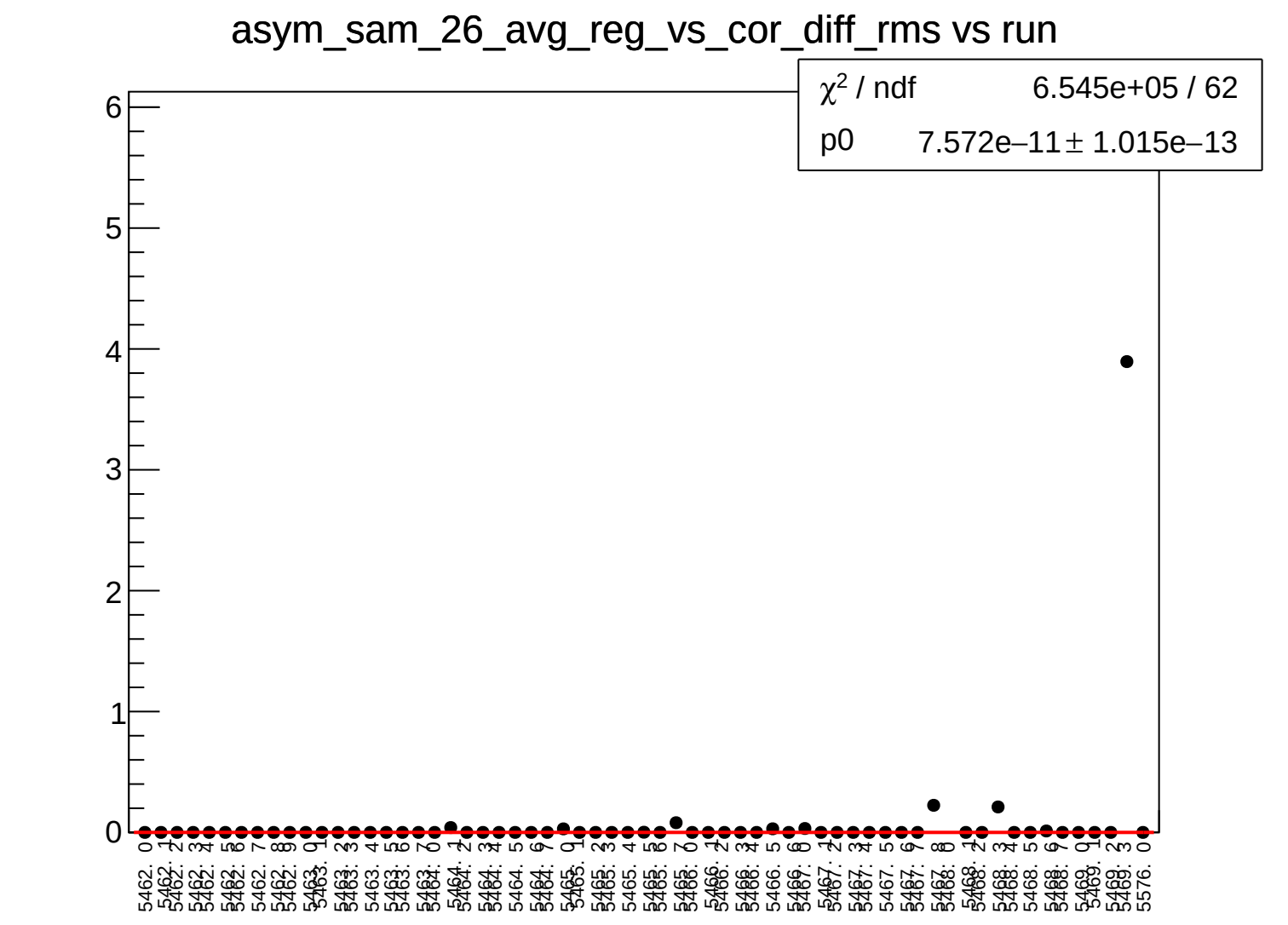

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 64.4 / 62
p0 −337.9 ± 2838
pull
Entries 63
Mean 97.65
Std Dev 0

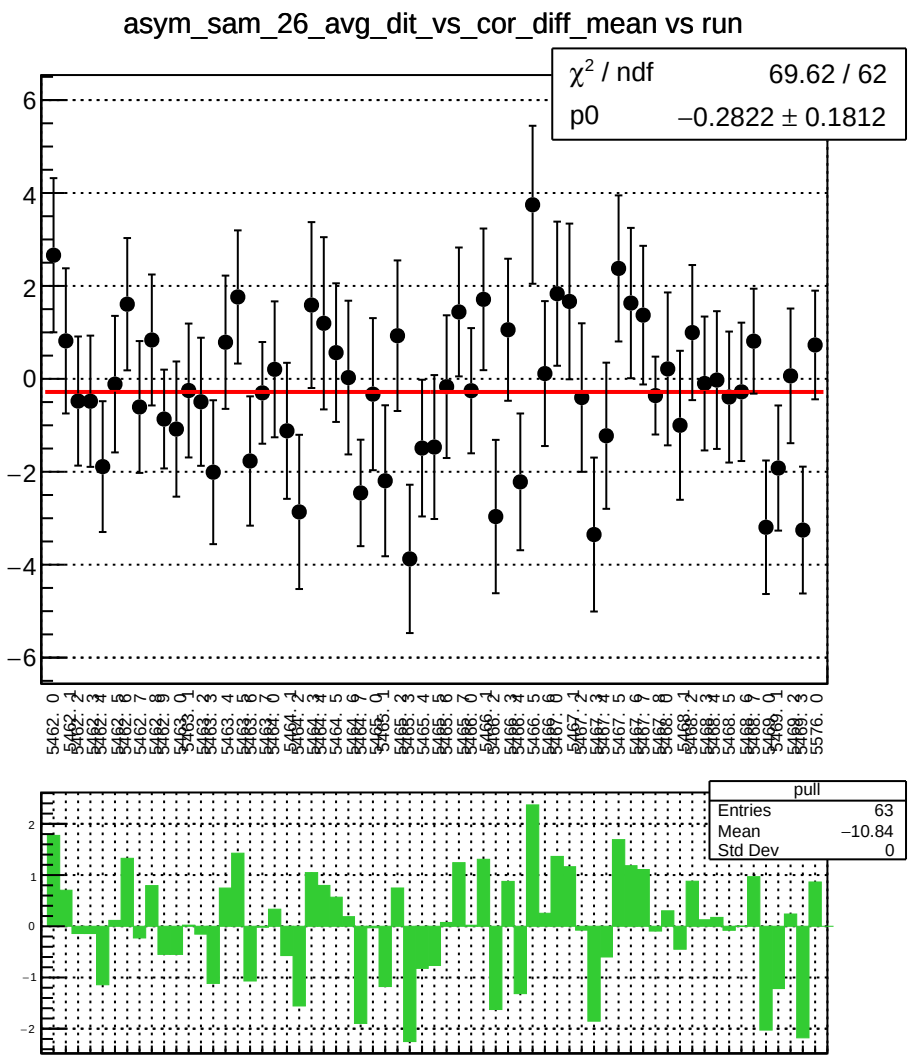

pull1D
Entries 63
Mean −0.01044
Std Dev 1.011

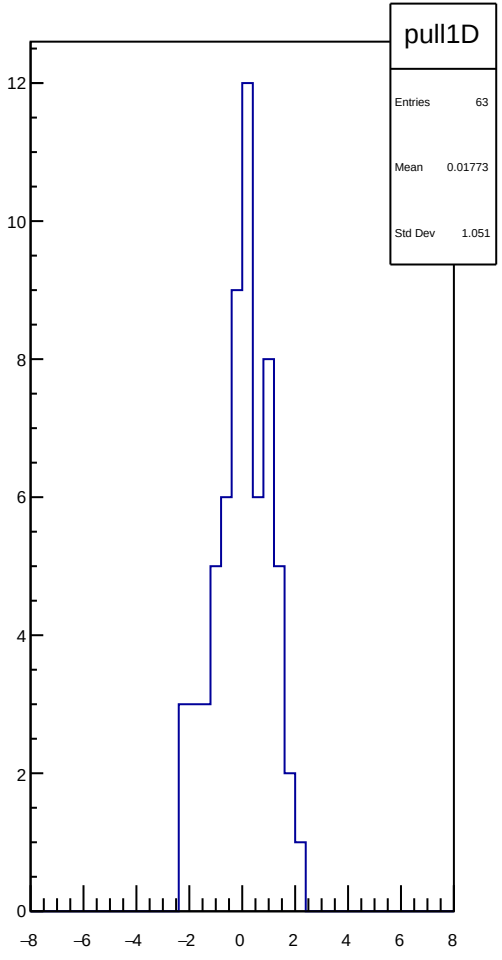

asym_sam_26_avg_rms vs run
χ^2 / ndf 845.8 / 62
p0 2207 ± 2.007
2400
2350
2300
2250
2200
2150
2100
2050

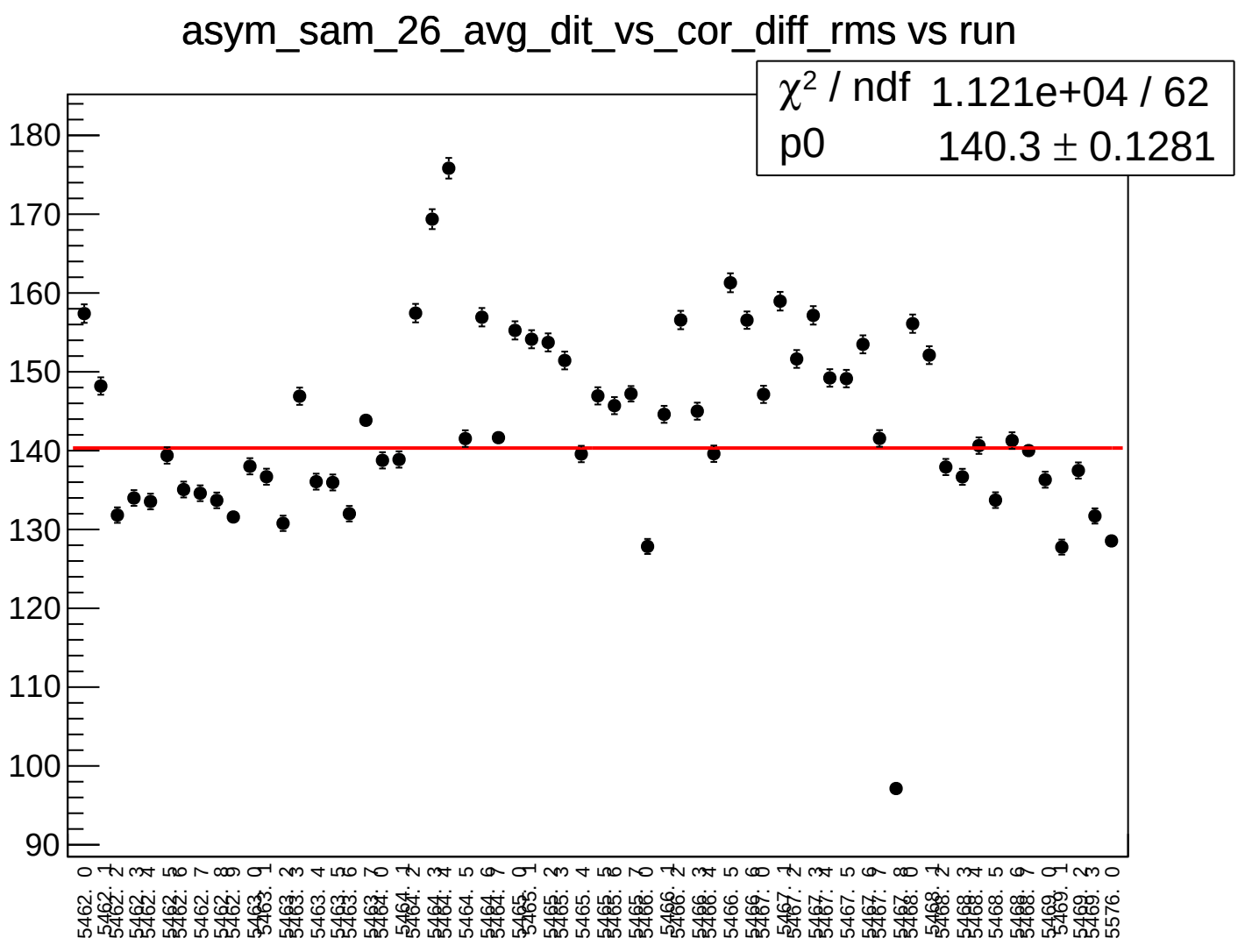

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.6 / 62
p0 1.755e−13 ± 1.436e−13
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 63
Mean 14.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

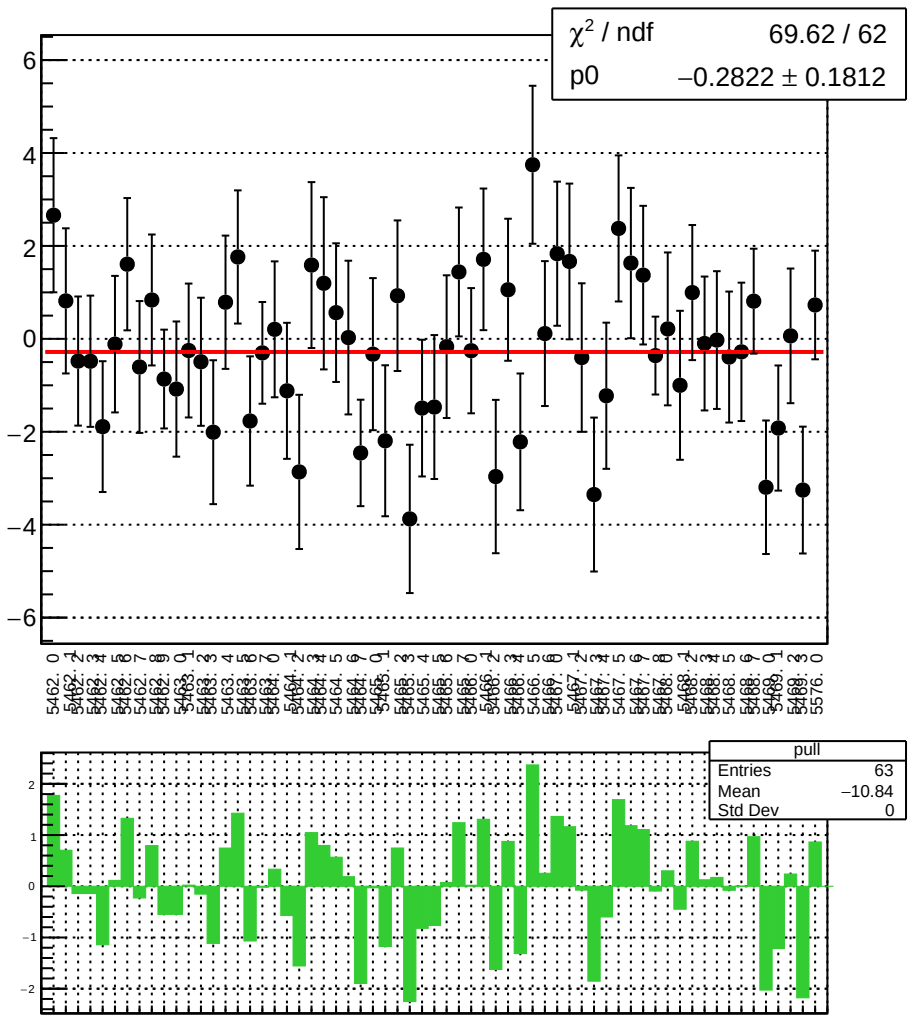

pull1D
Entries 63
Mean −0.02474
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

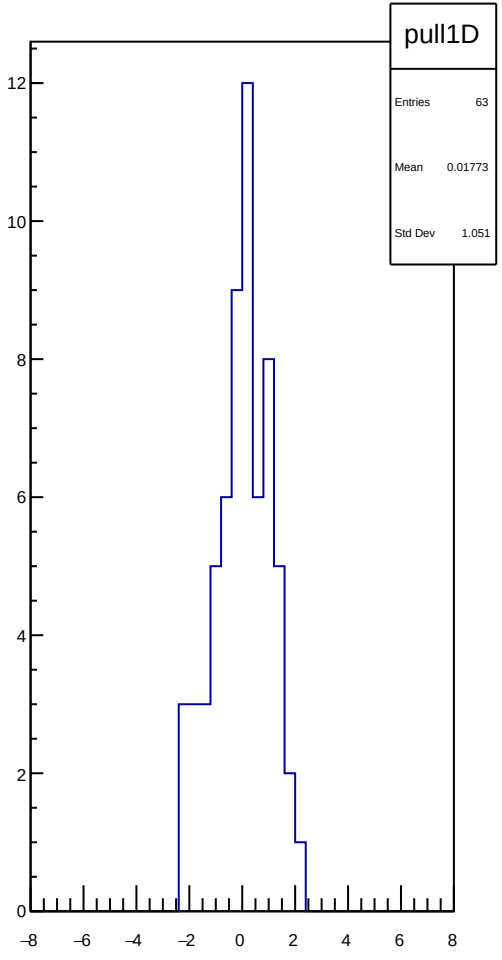

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.545e+05 / 62
p0 7.572e−11 ± 1.015e−13
6
5
4
3
2
1
0

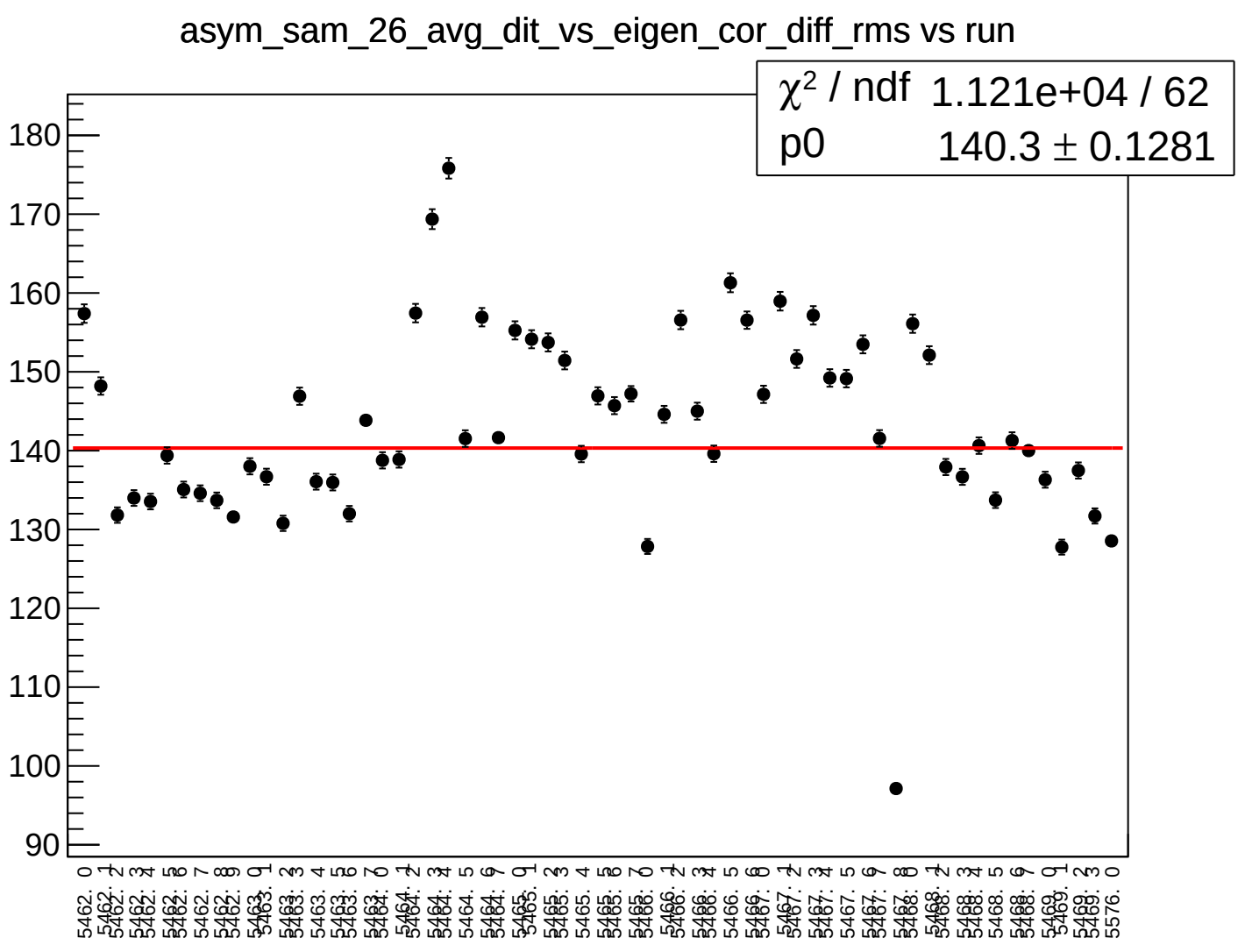

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.62 / 62
p0 −0.2822 ± 0.1812
pull
Entries 63
Mean −10.84
Std Dev 0

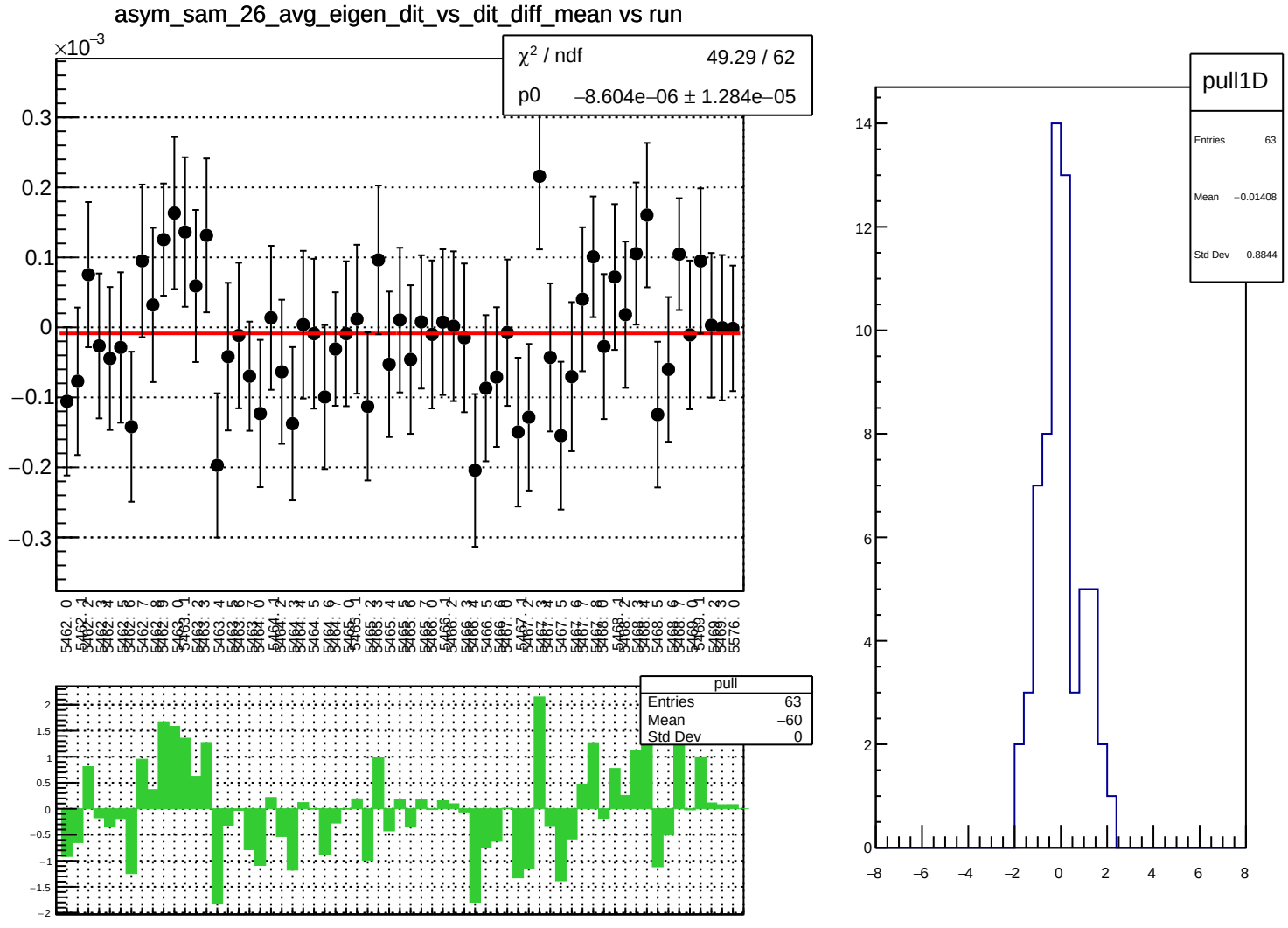

pull1D
Entries 63
Mean 0.01773
Std Dev 1.051

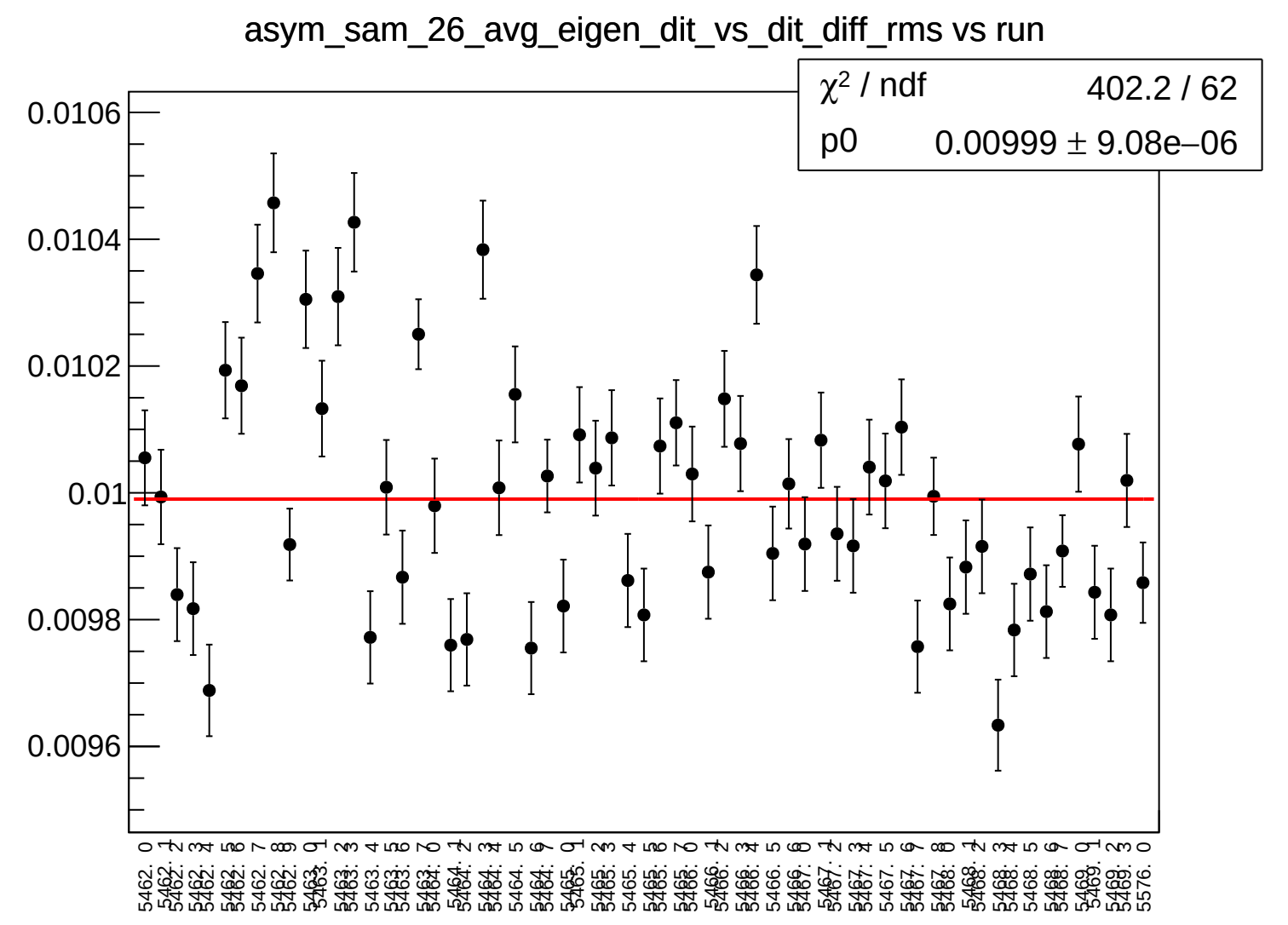

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.121e+04 / 62
p0 140.3 ± 0.1281
180
170
160
150
140
130
120
110
100
90

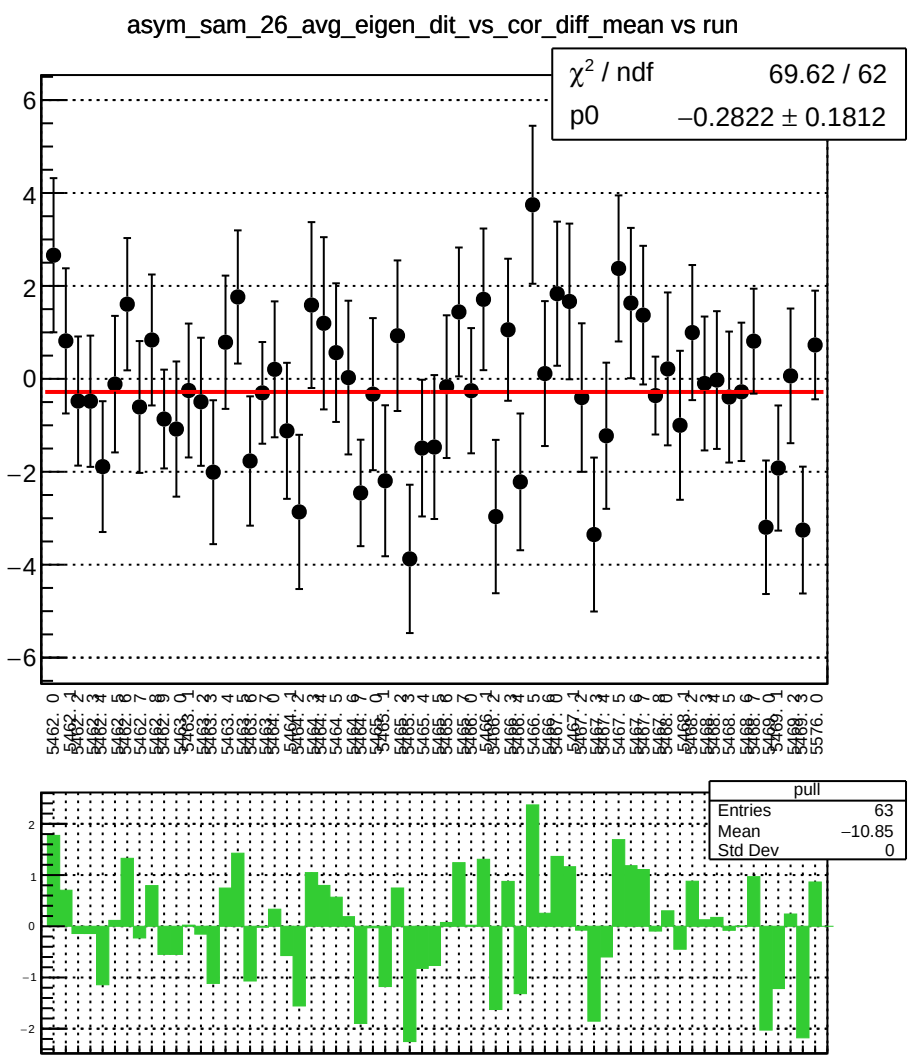

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.62 / 62
p0 −0.2822 ± 0.1812
pull
Entries 63
Mean −10.84
Std Dev 0

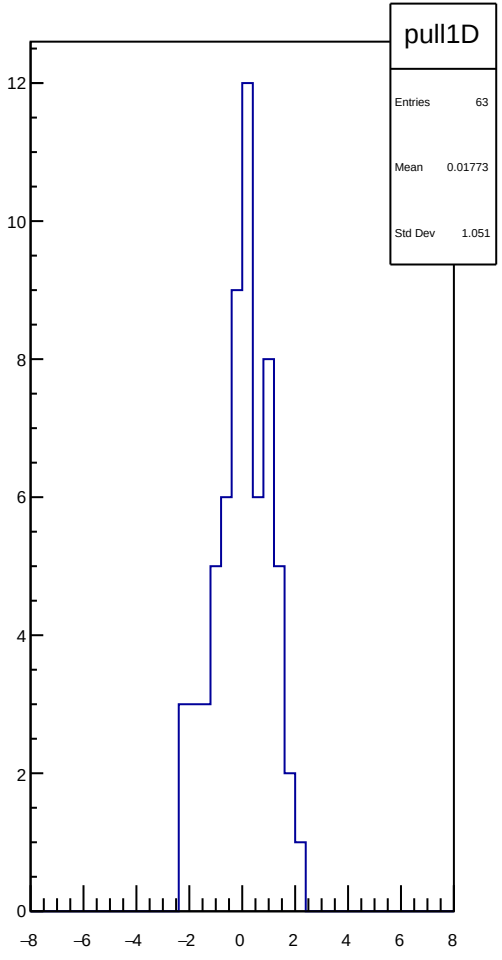

pull1D
Entries 63
Mean 0.01773
Std Dev 1.051

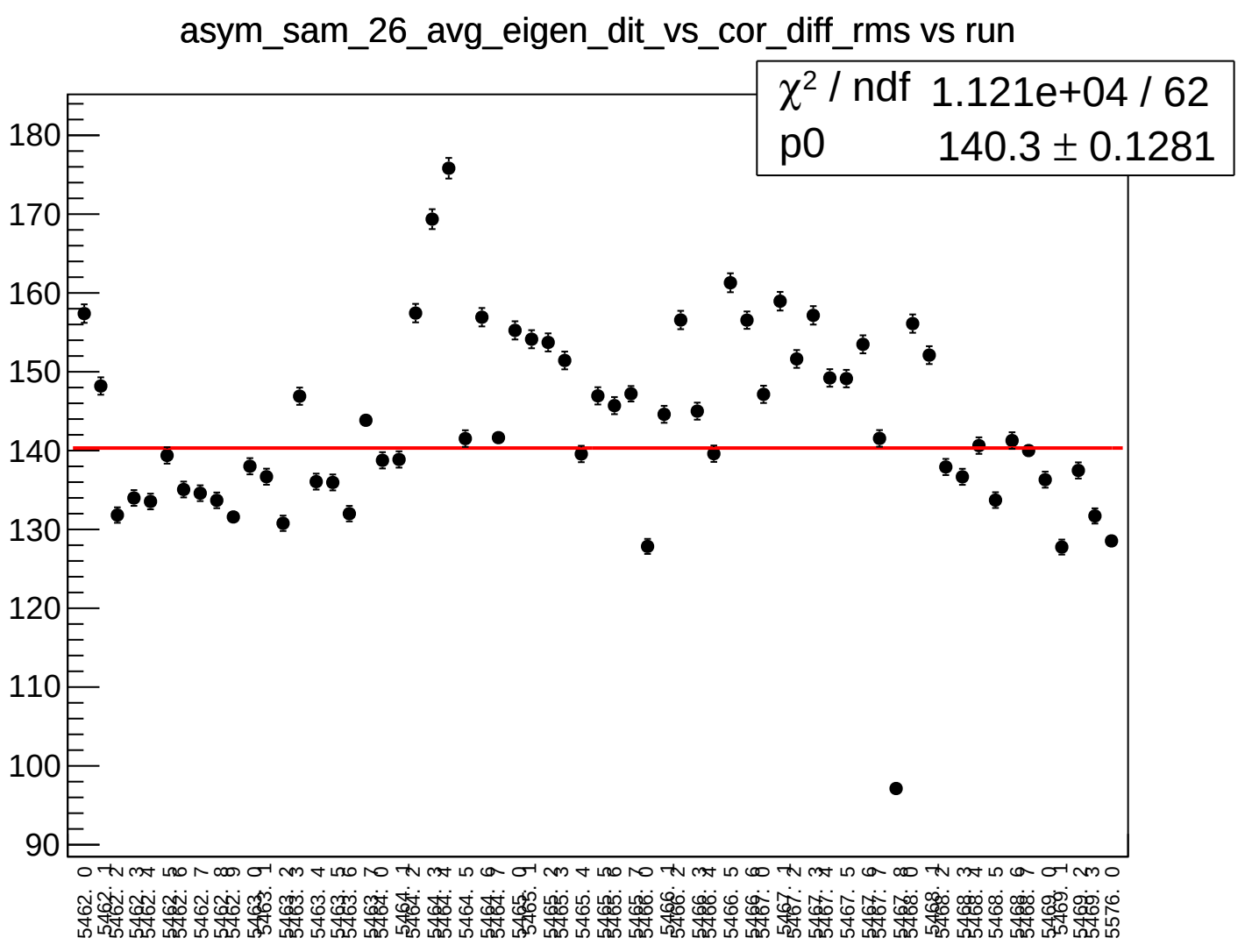

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.121e+04 / 62
p0 140.3 ± 0.1281
180
170
160
150
140
130
120
110
100
90

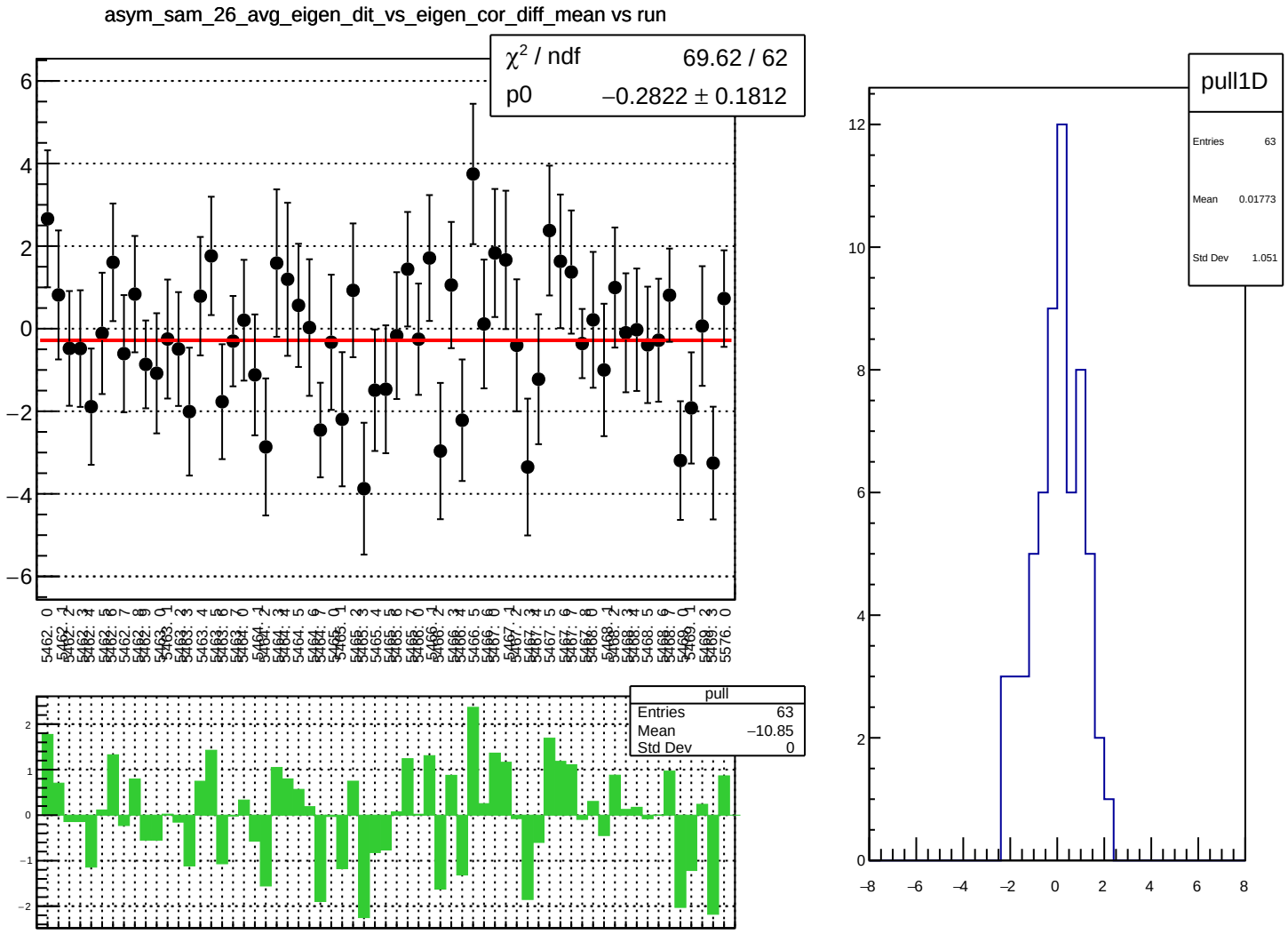

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.29 / 62
p0 −8.604e−06 ± 1.284e−05
pull
Entries 63
Mean −60
Std Dev 0
pull1D
Entries 63
Mean −0.01408
Std Dev 0.8844

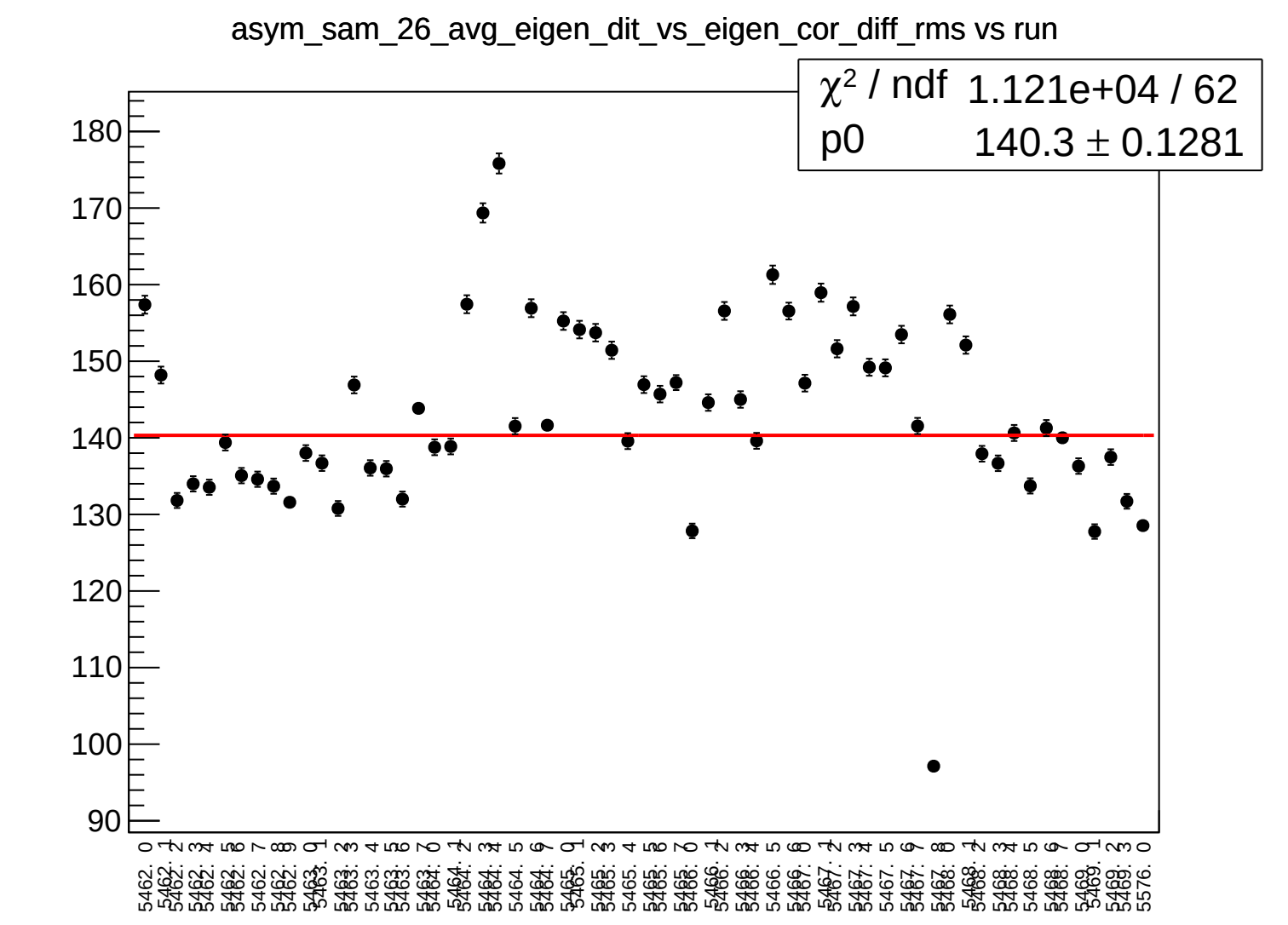

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 402.2 / 62
p0 0.00999 ± 9.08e−06
0.0106
0.0104
0.0102
0.01
0.0098
0.0096

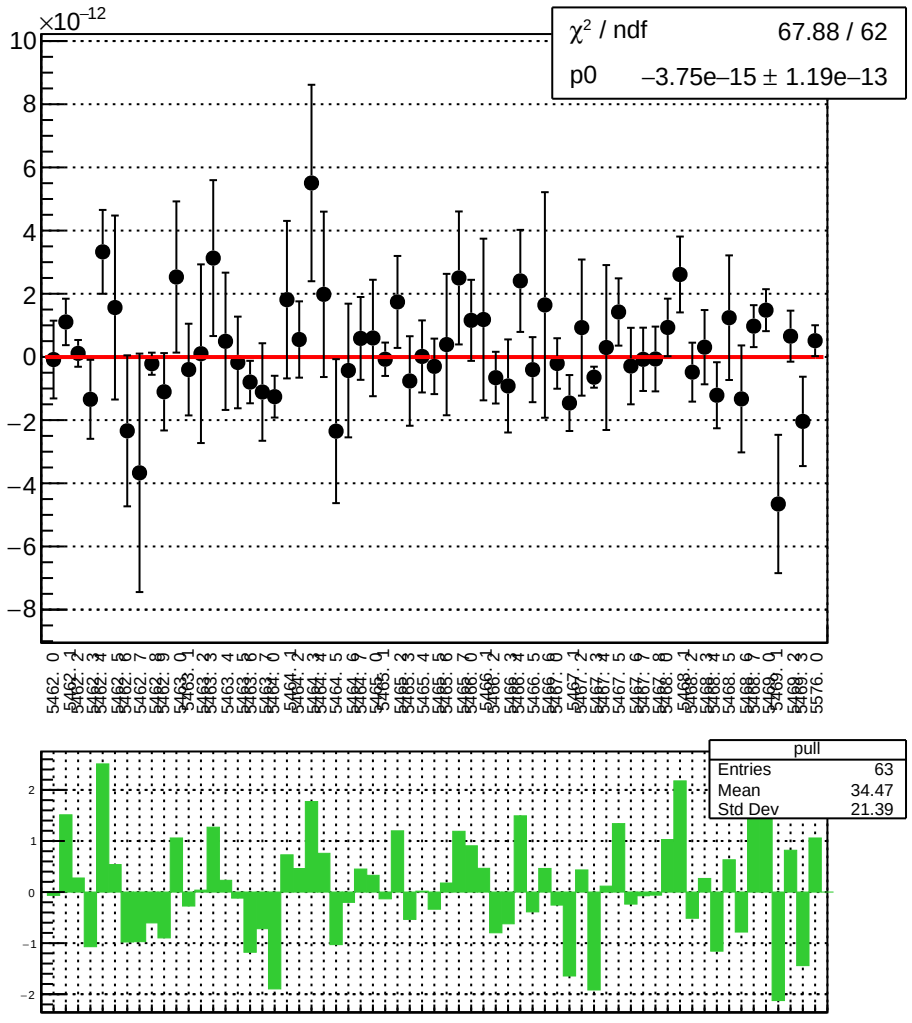

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.62 / 62
p0 −0.2822 ± 0.1812
pull
Entries 63
Mean −10.85
Std Dev 0

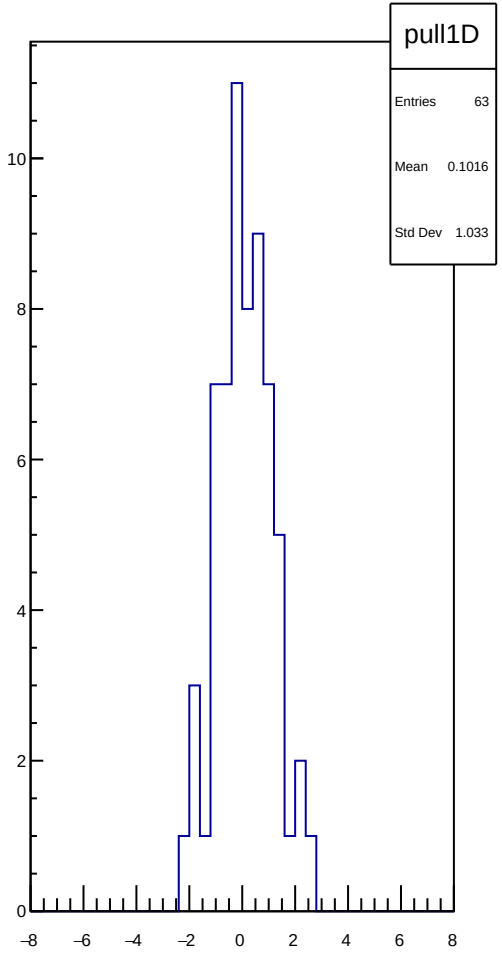

pull1D
Entries 63
Mean 0.01773
Std Dev 1.051

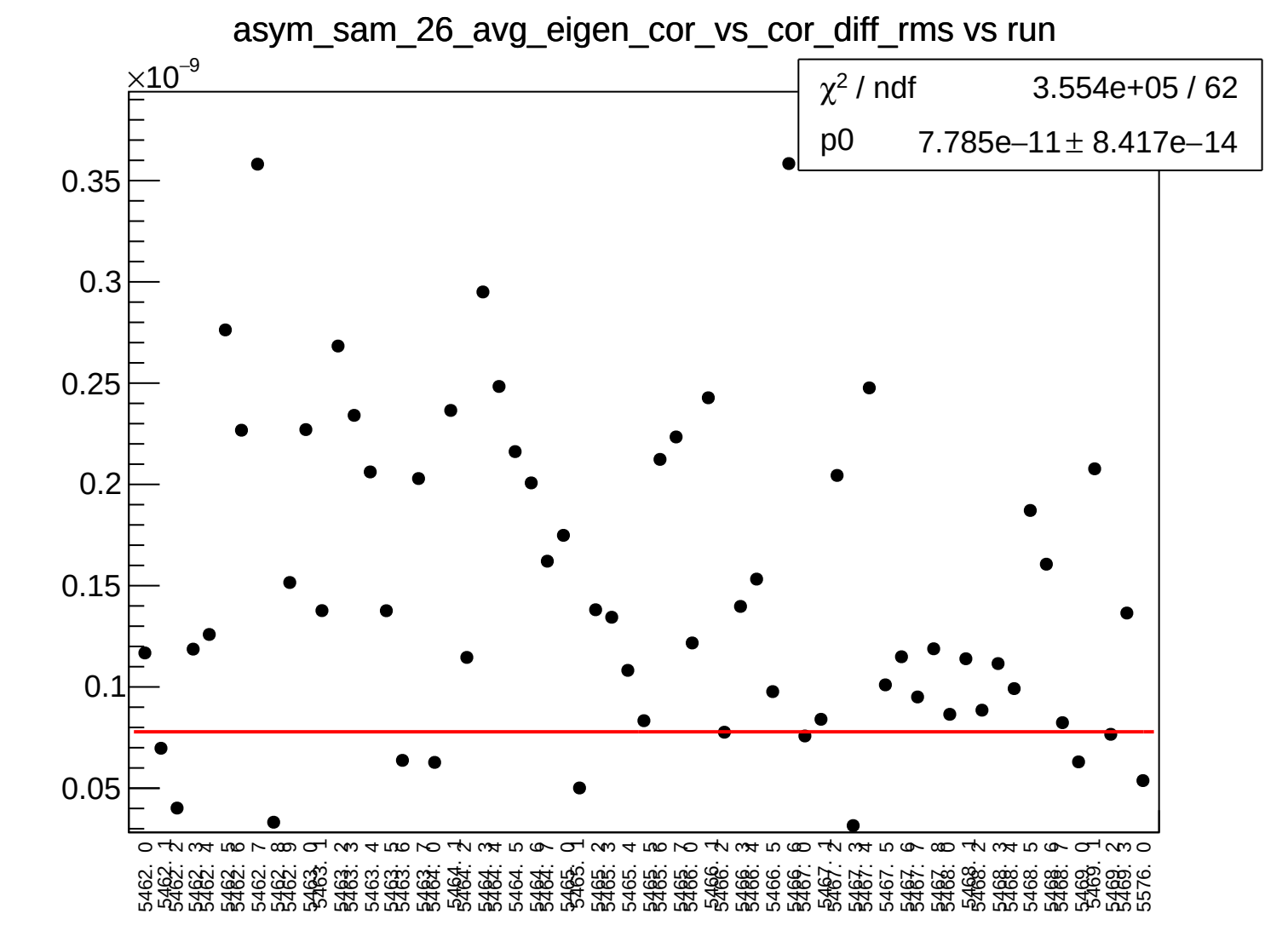

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.121e+04 / 62
p0 140.3 ± 0.1281
180
170
160
150
140
130
120
110
100
90

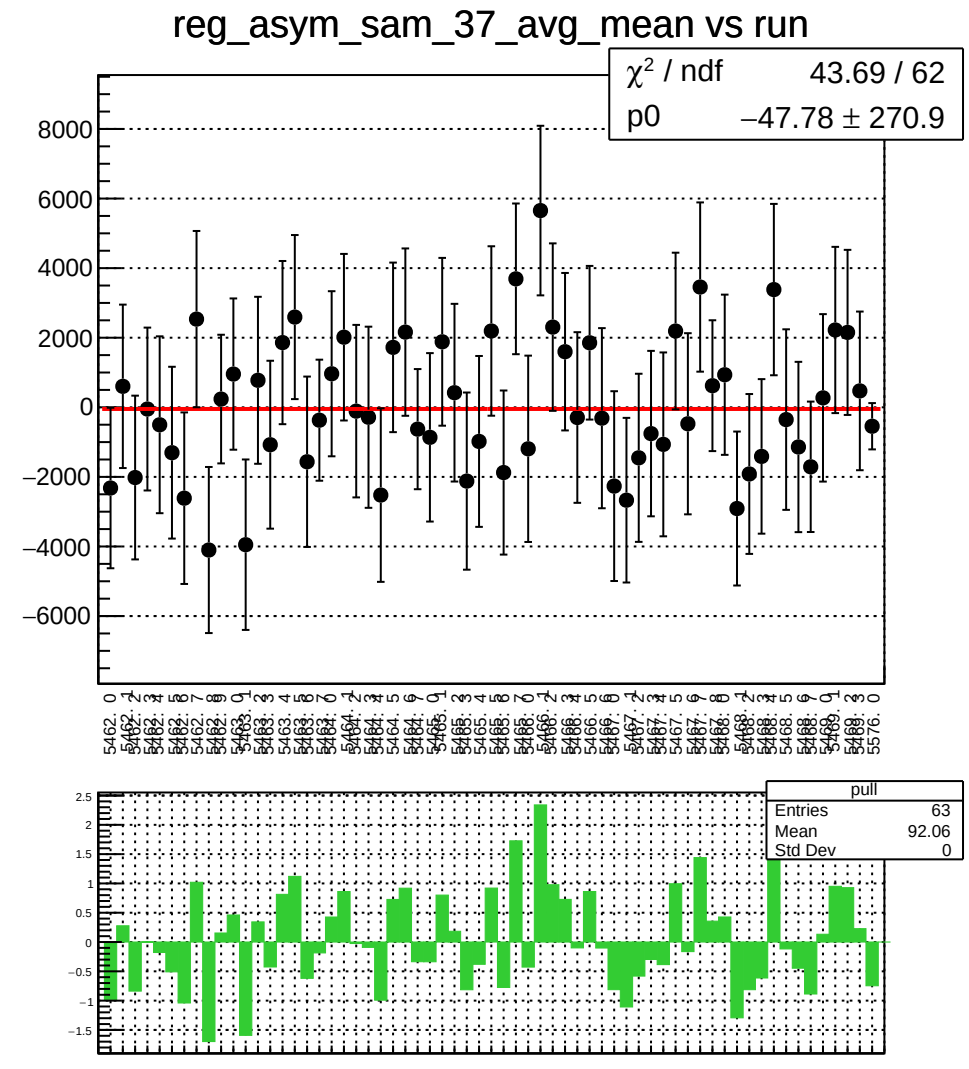

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.62 / 62
p0 −0.2822 ± 0.1812
pull
Entries 63
Mean −10.85
Std Dev 0
pull1D
Entries 63
Mean 0.01773
Std Dev 1.051

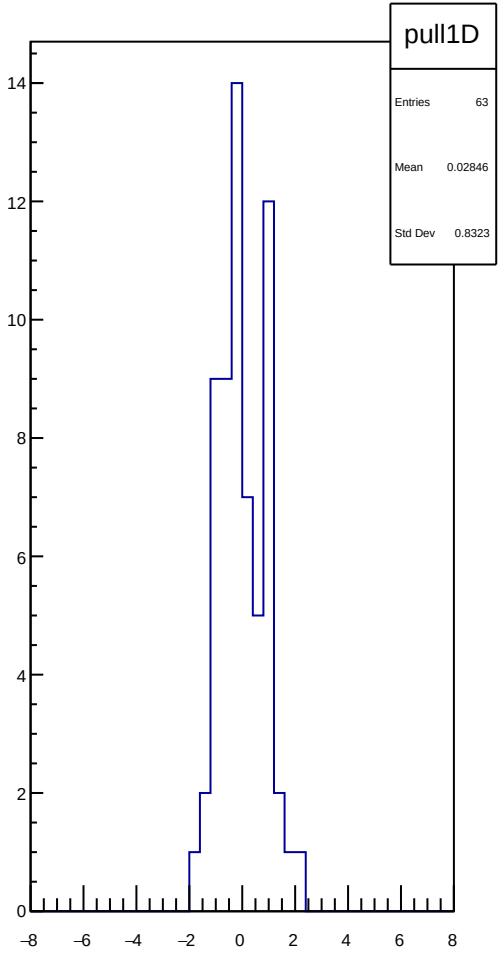

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.121e+04 / 62
p0 140.3 ± 0.1281
180
170
160
150
140
130
120
110
100
90

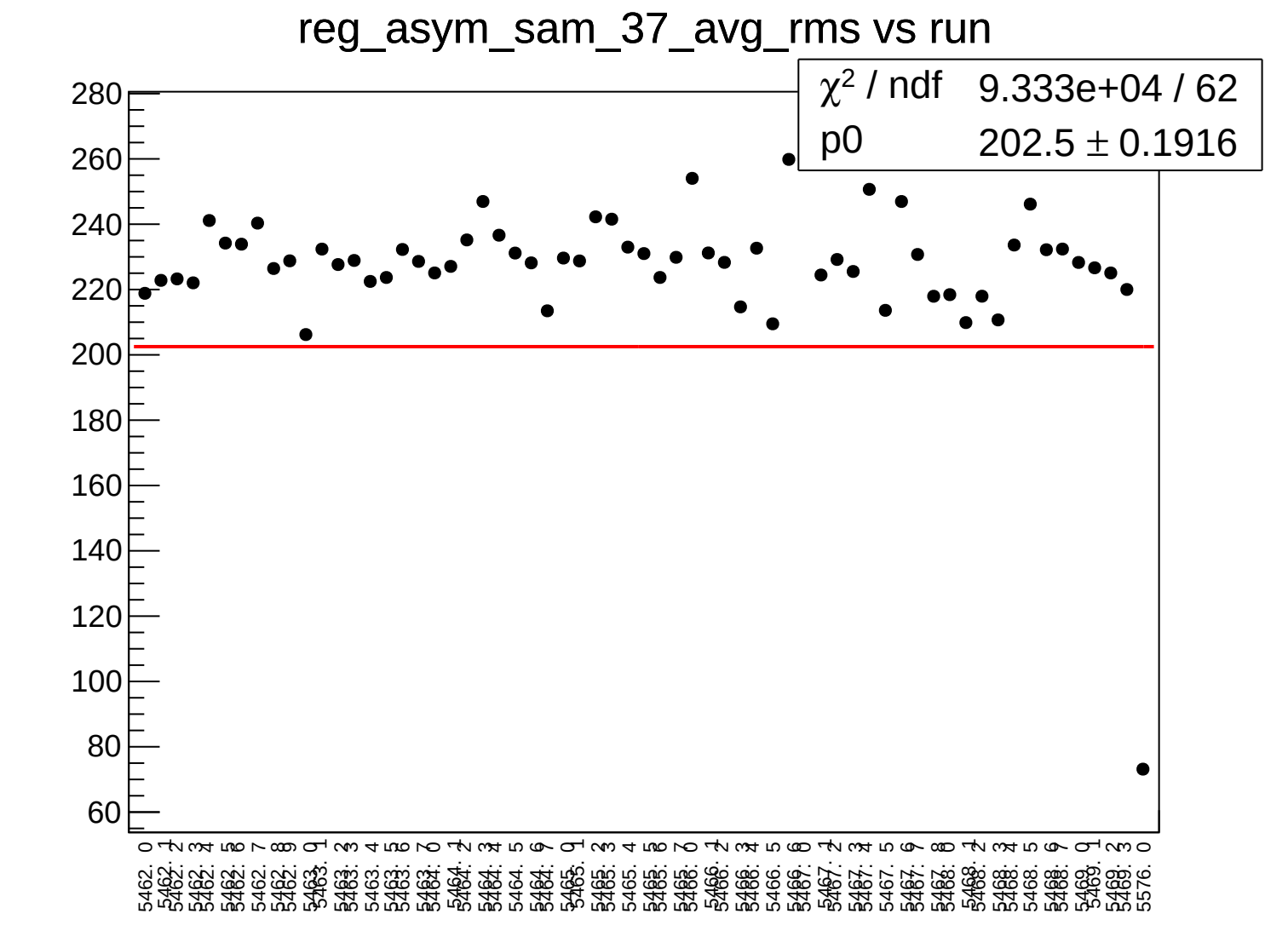

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.88 / 62
p0 −3.75e−15 ± 1.19e−13
pull
Entries 63
Mean 34.47
Std Dev 21.39

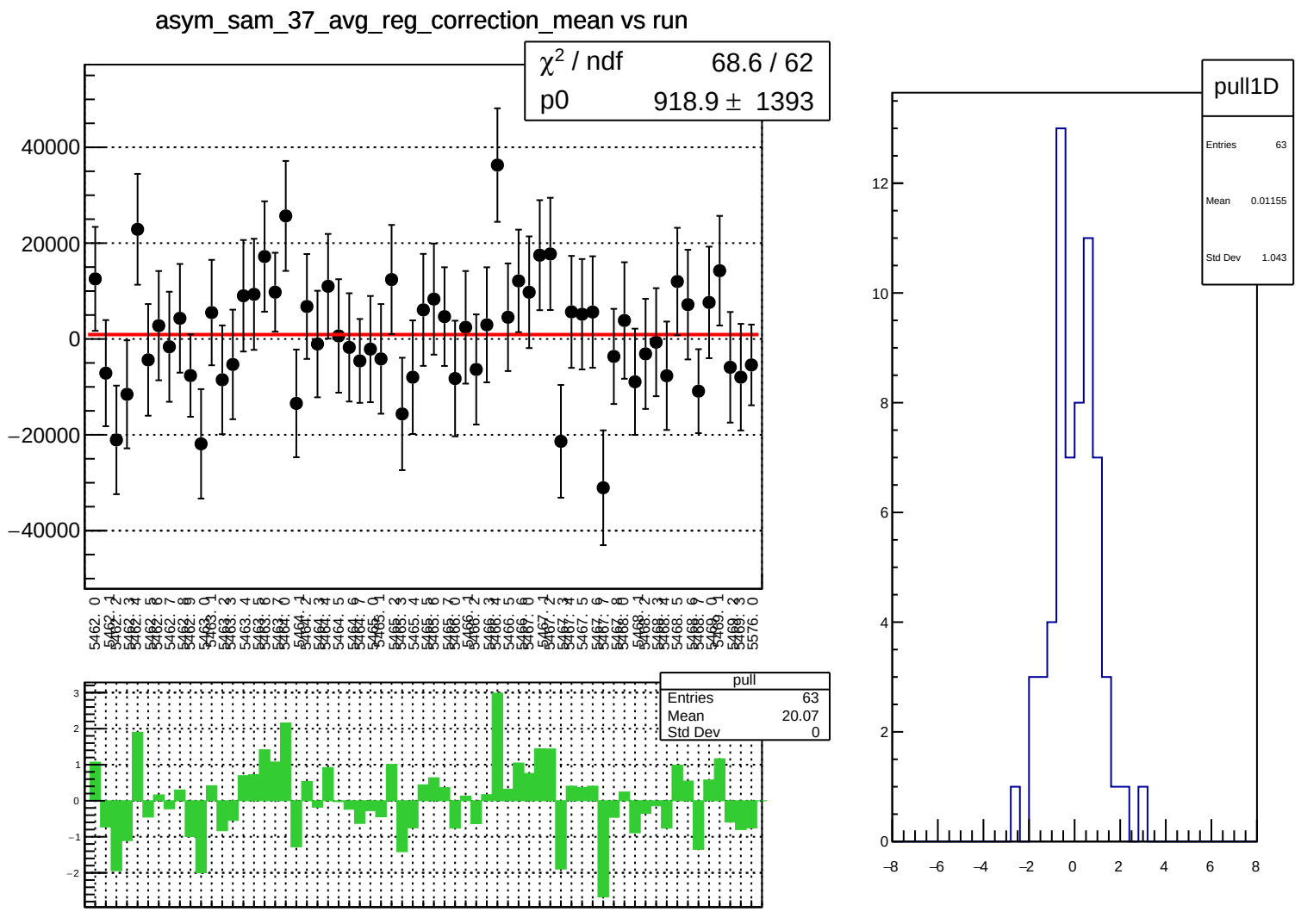

pull1D
Entries 63
Mean 0.1016
Std Dev 1.033

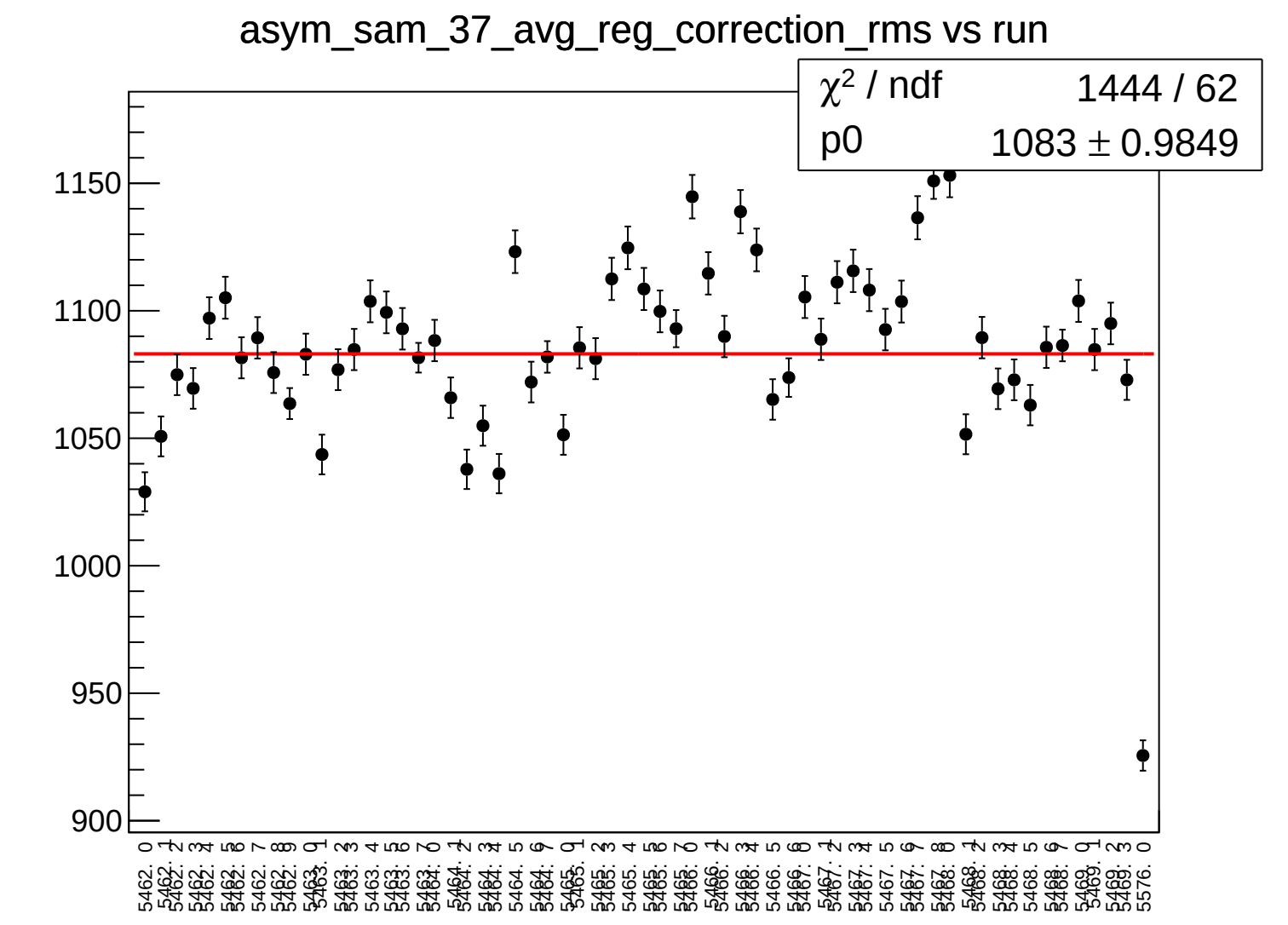

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.554e+05 / 62
p0 7.785e−11 ± 8.417e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

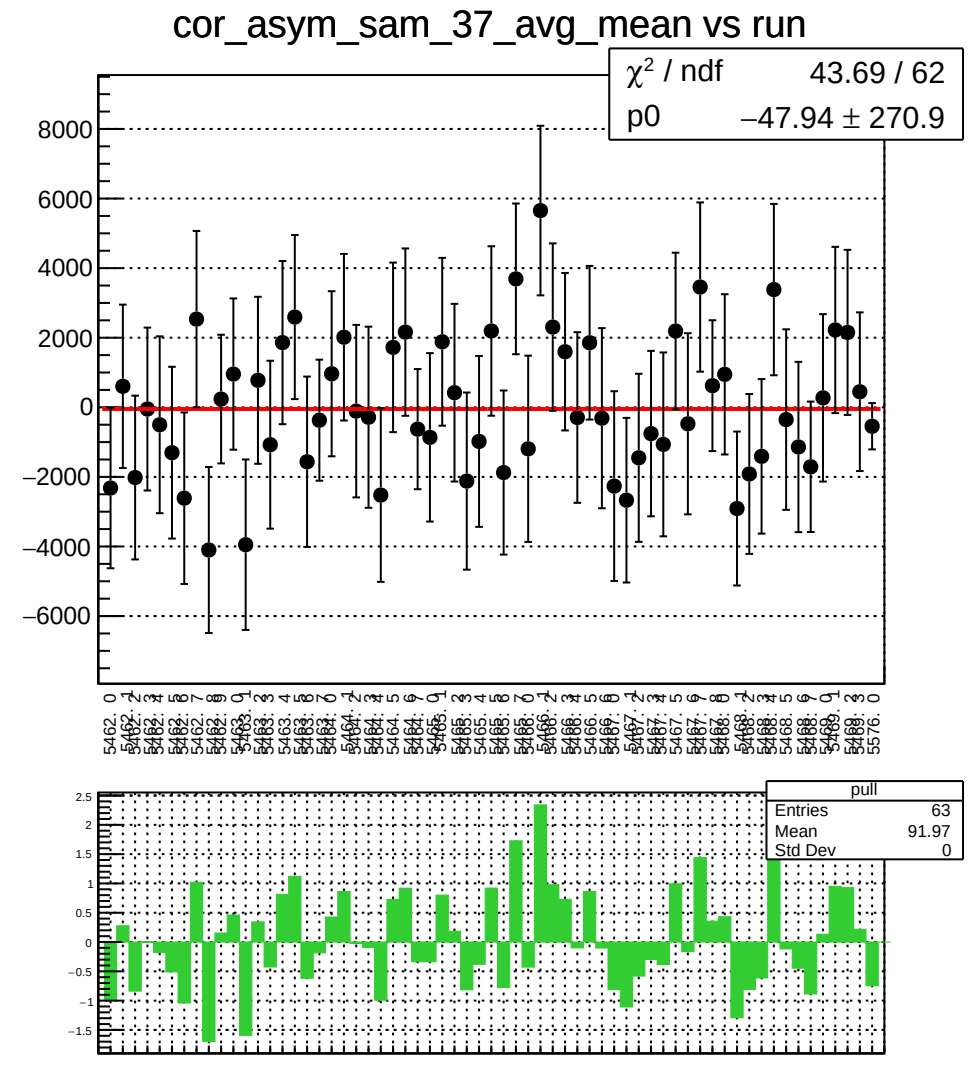

reg_asym_sam_37_avg_mean vs run
χ² / ndf 43.69 / 62
p0 −47.78 ± 270.9
pull
Entries 63
Mean 92.06
Std Dev 0

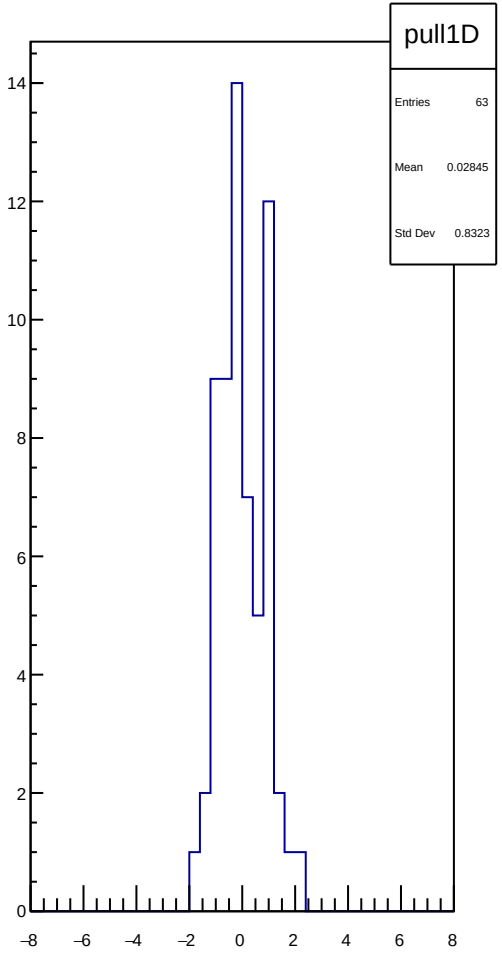

pull1D
Entries 63
Mean 0.02846
Std Dev 0.8323

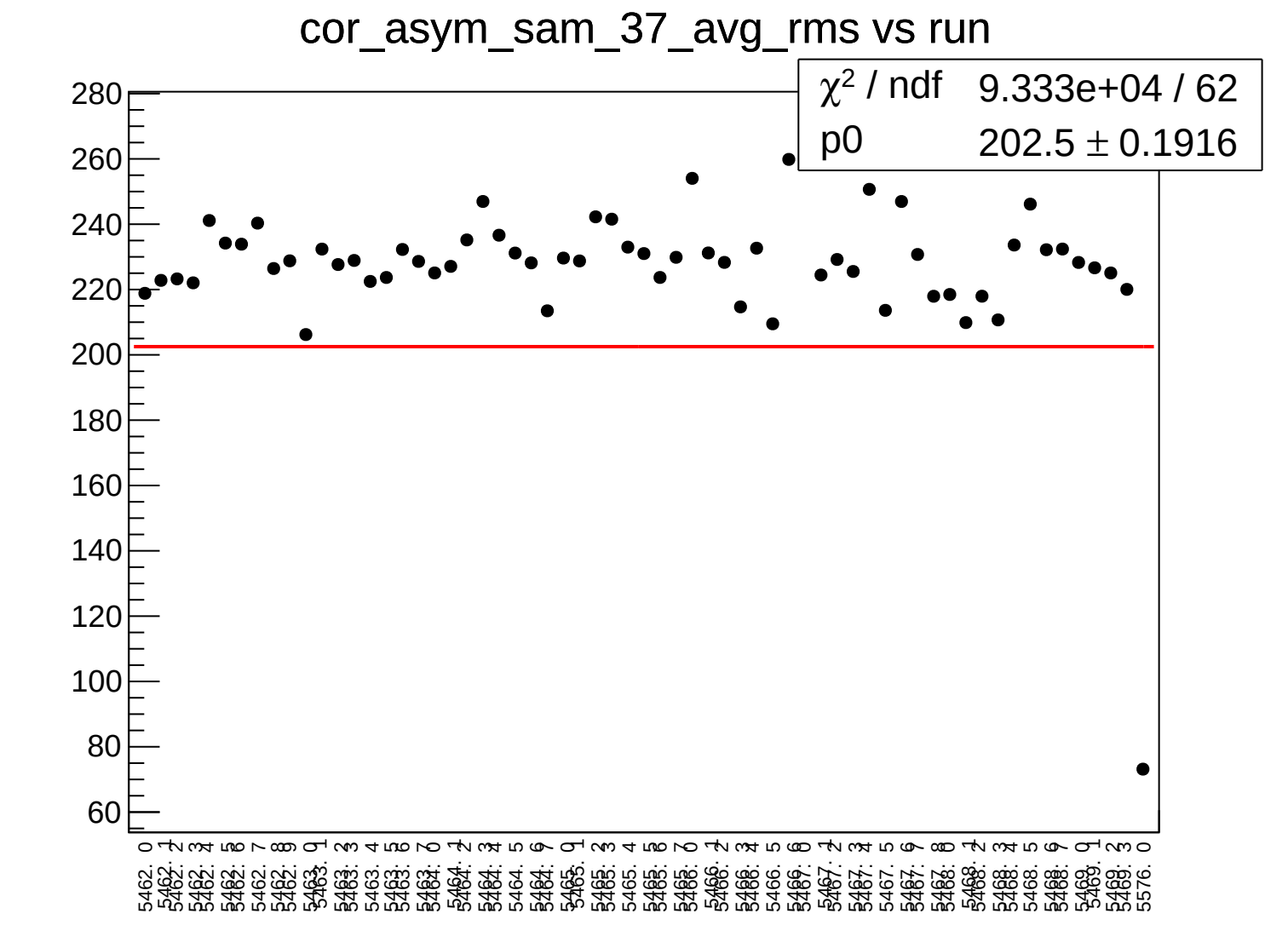

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 9.333e+04 / 62
p0 202.5 ± 0.1916
280
260
240
220
200
180
160
140
120
100
80
60

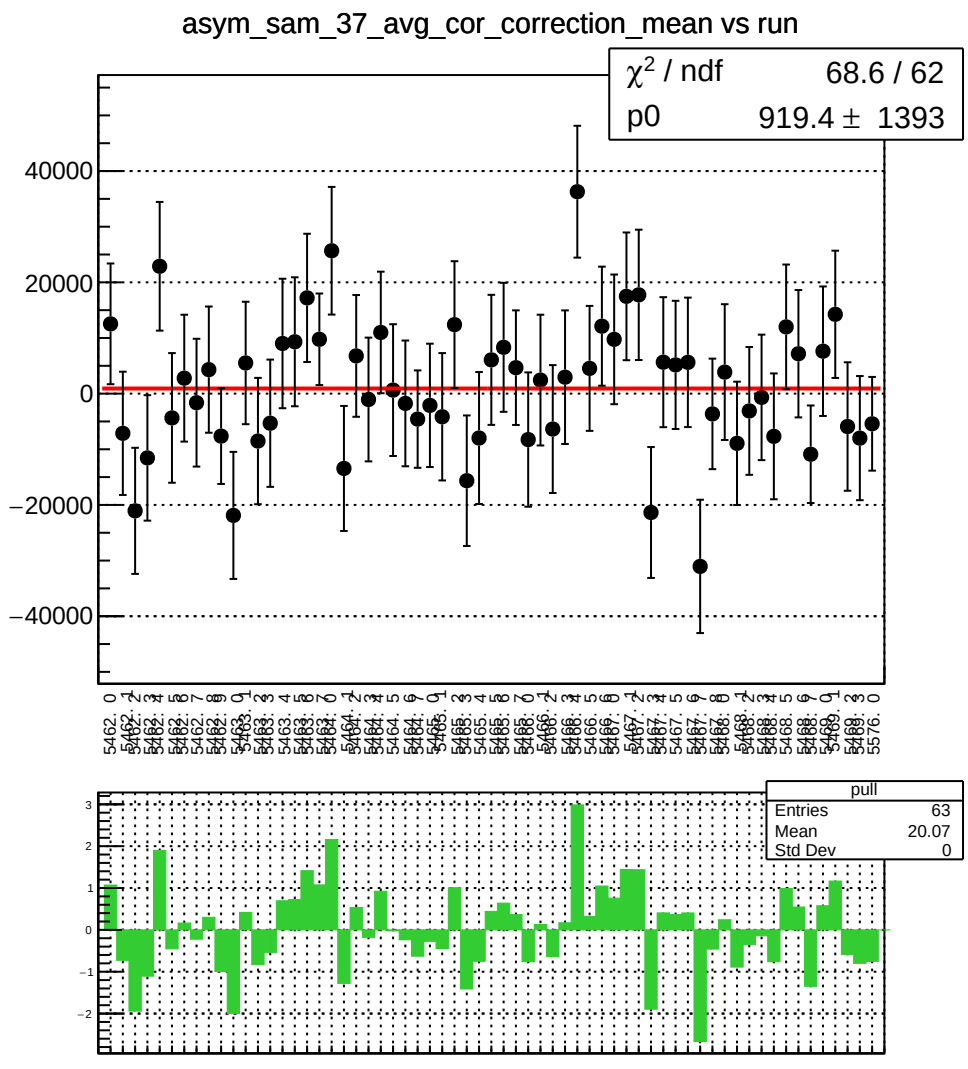

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 68.6 / 62
p0 918.9 ± 1393
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 20.07
Std Dev 0
pull1D
Entries 63
Mean 0.01155
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

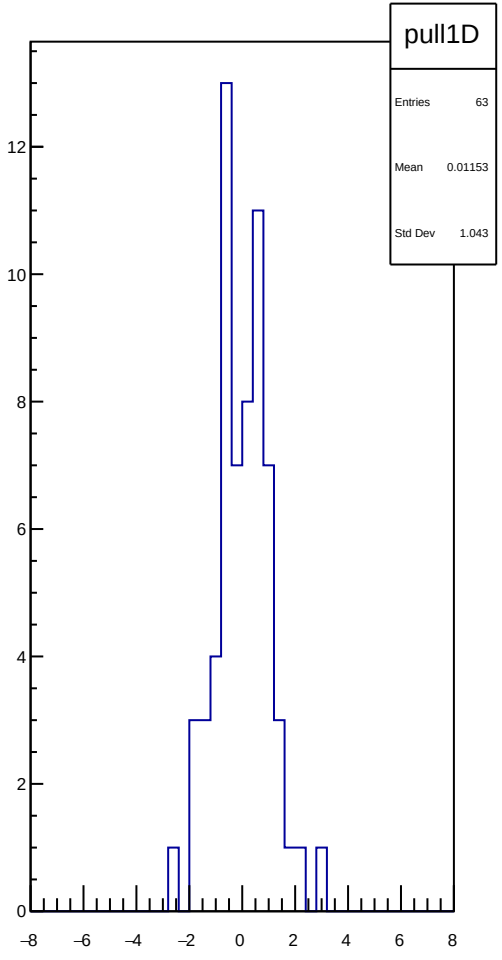

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1444 / 62
p0 1083 ± 0.9849
1150
1100
1050
1000
950
900

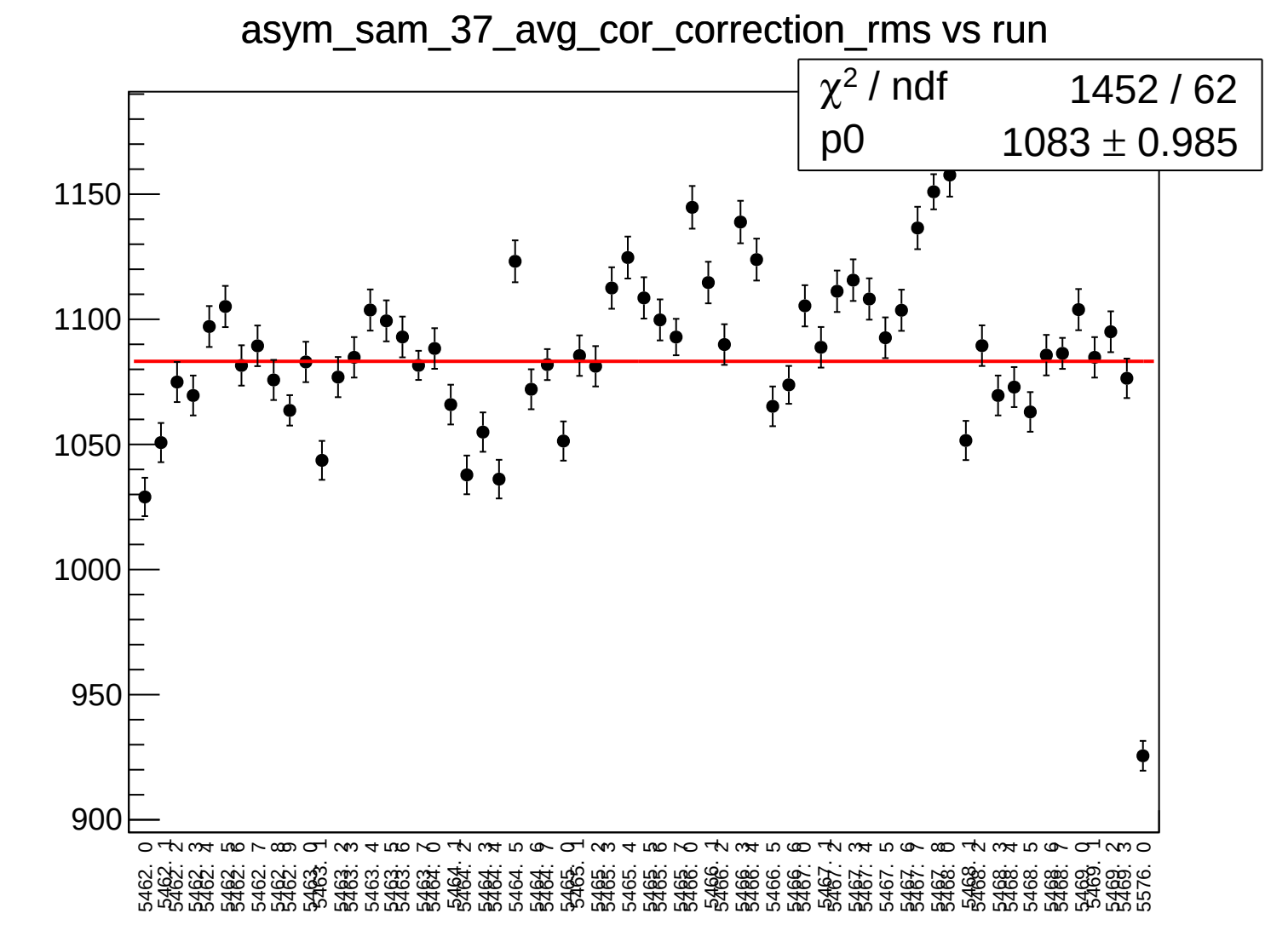

cor_asym_sam_37_avg_mean vs run
χ² / ndf 43.69 / 62
p0 −47.94 ± 270.9
pull
Entries 63
Mean 91.97
Std Dev 0

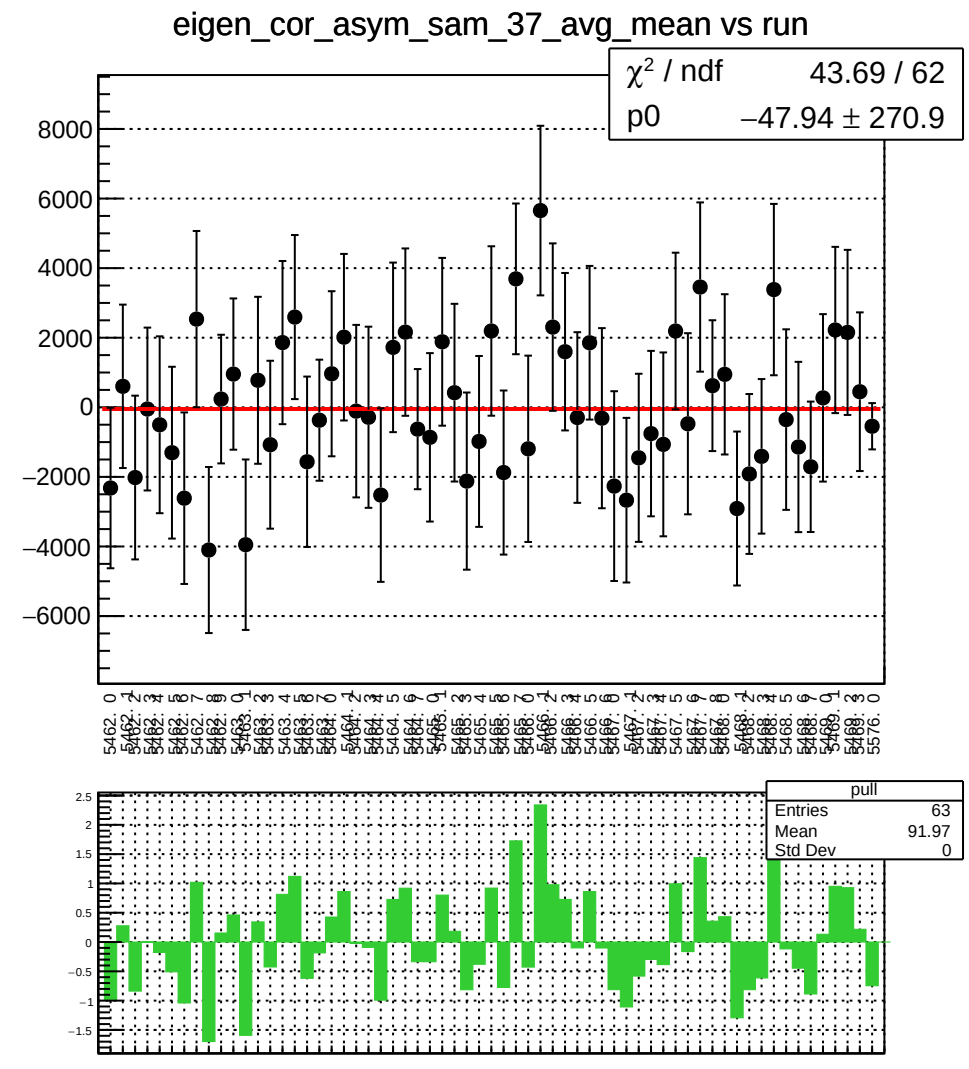

pull1D
Entries 63
Mean 0.02845
Std Dev 0.8323

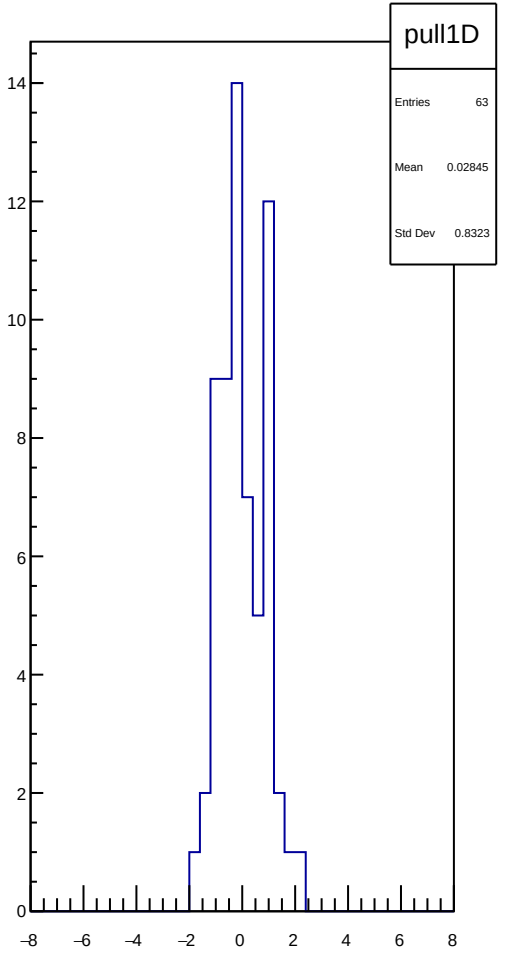

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 9.333e+04 / 62
p0 202.5 ± 0.1916
280
260
240
220
200
180
160
140
120
100
80
60

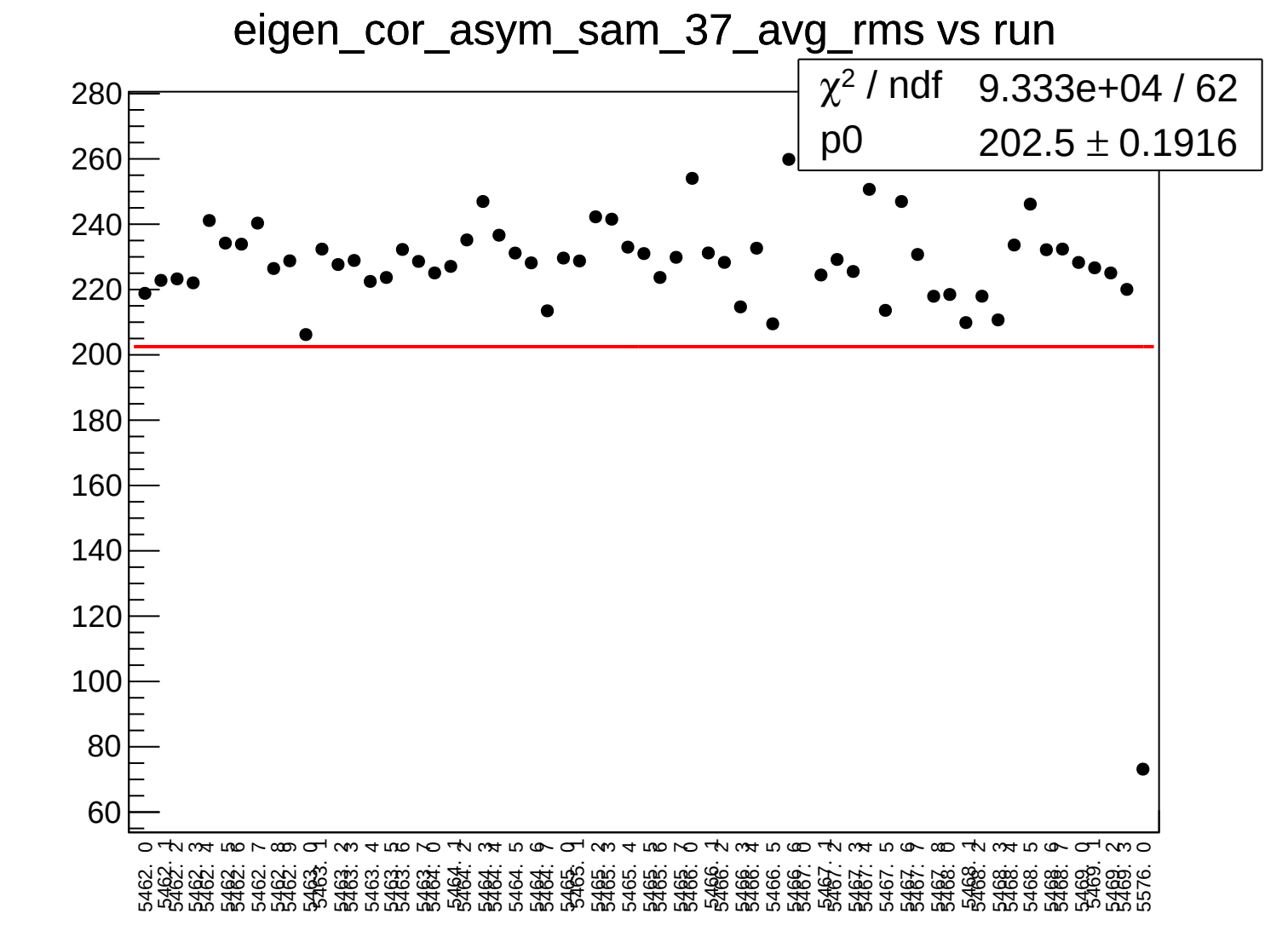

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 68.6 / 62
p0 919.4 ± 1393
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 20.07
Std Dev 0
3
2
1
0
−1
−2

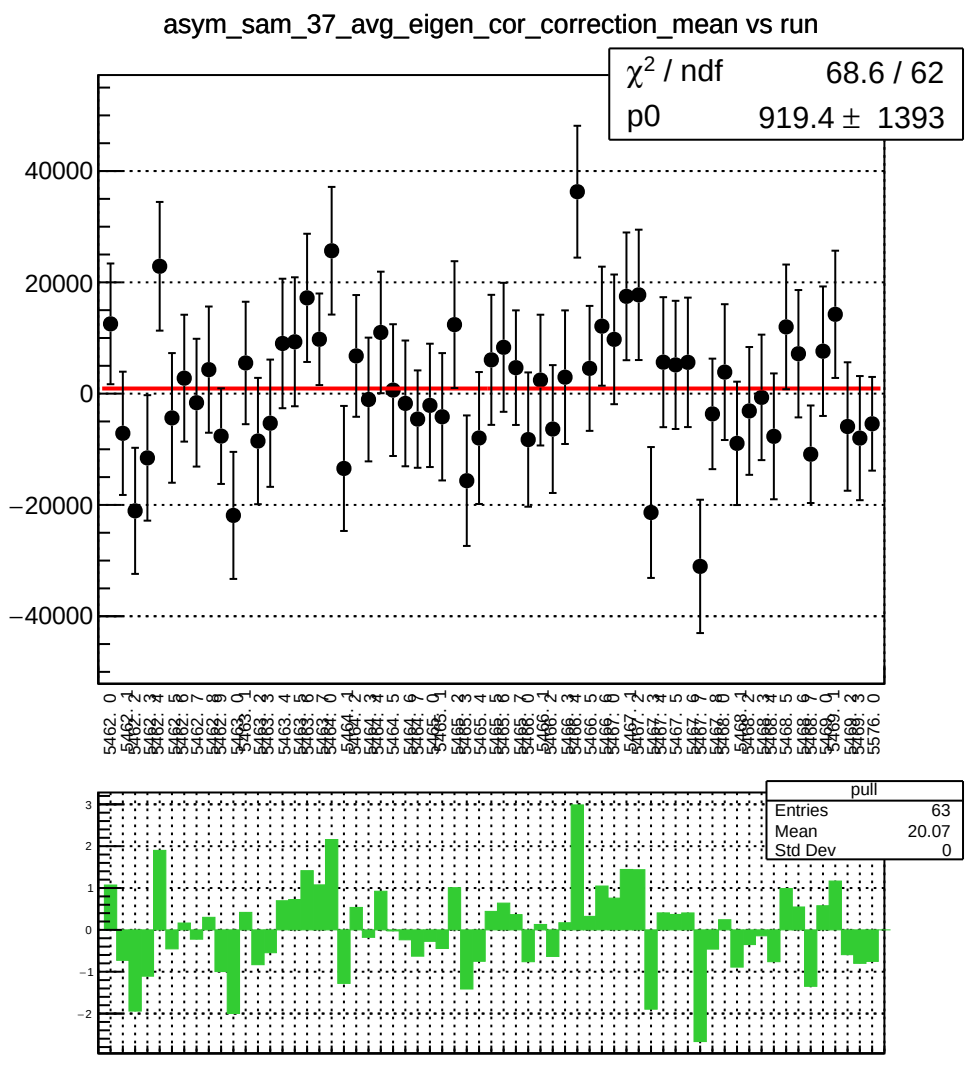

pull1D
Entries 63
Mean 0.01153
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

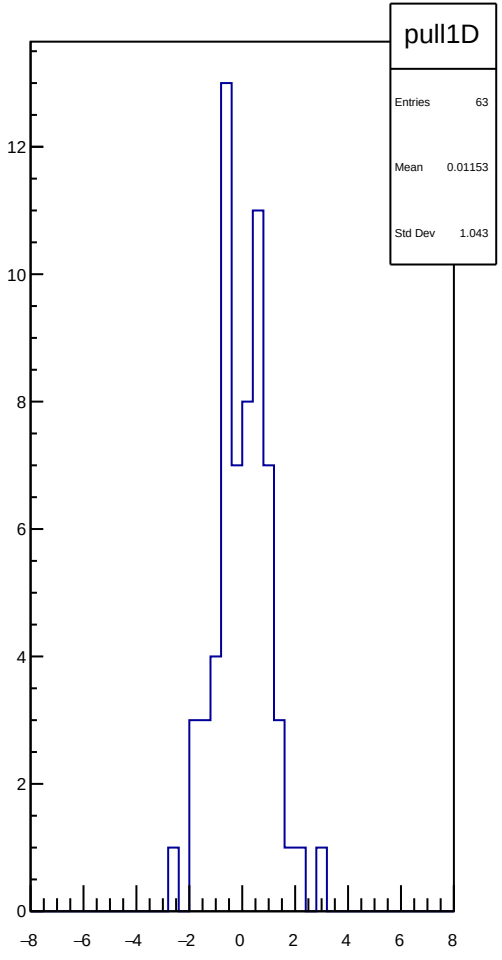

asym_sam_37_avg_cor_correction_rms vs run
χ^2 / ndf 1452 / 62
p0 1083 ± 0.985
1150
1100
1050
1000
950
900

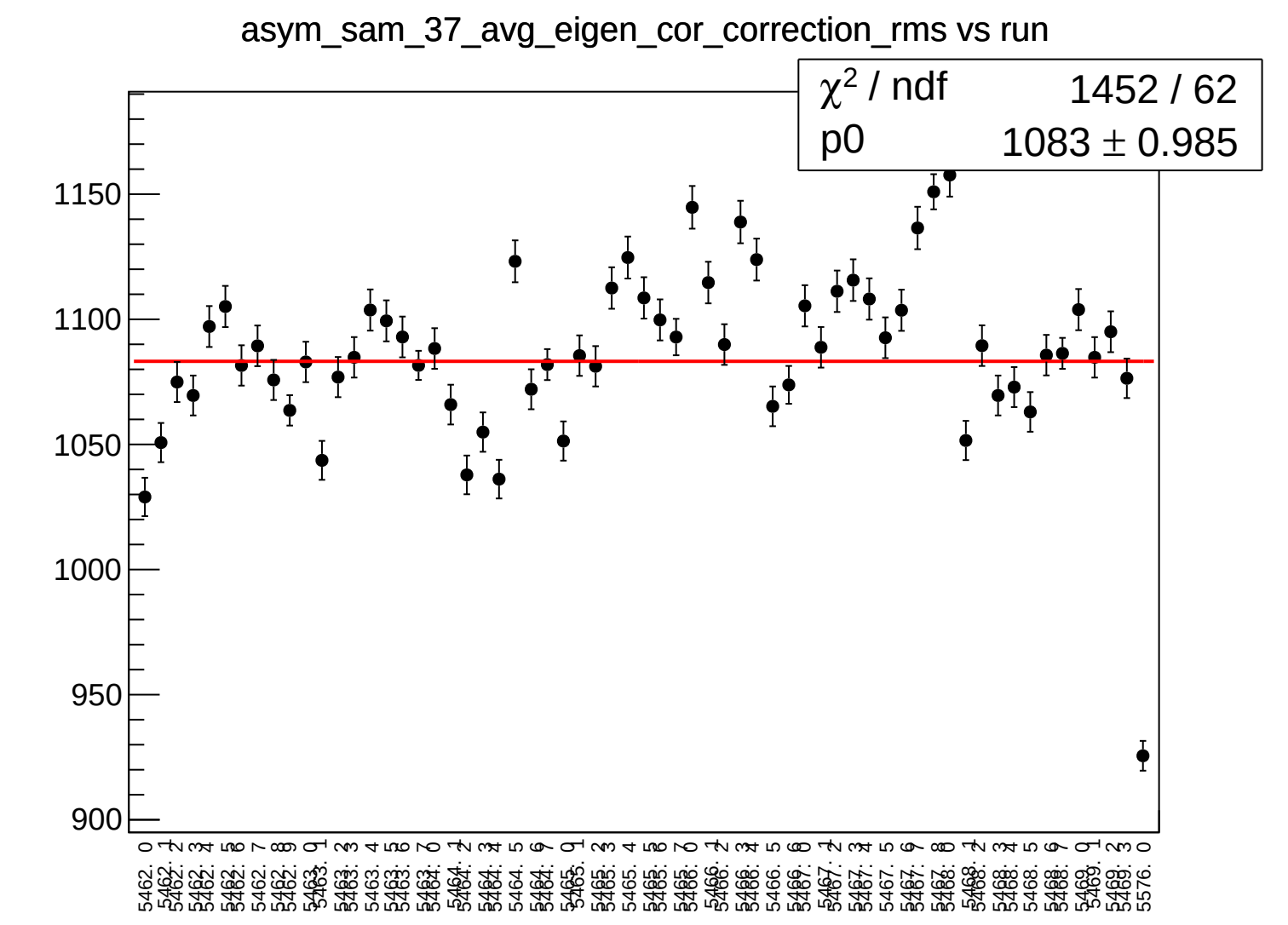

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 43.69 / 62
p0 −47.94 ± 270.9
pull
Entries 63
Mean 91.97
Std Dev 0

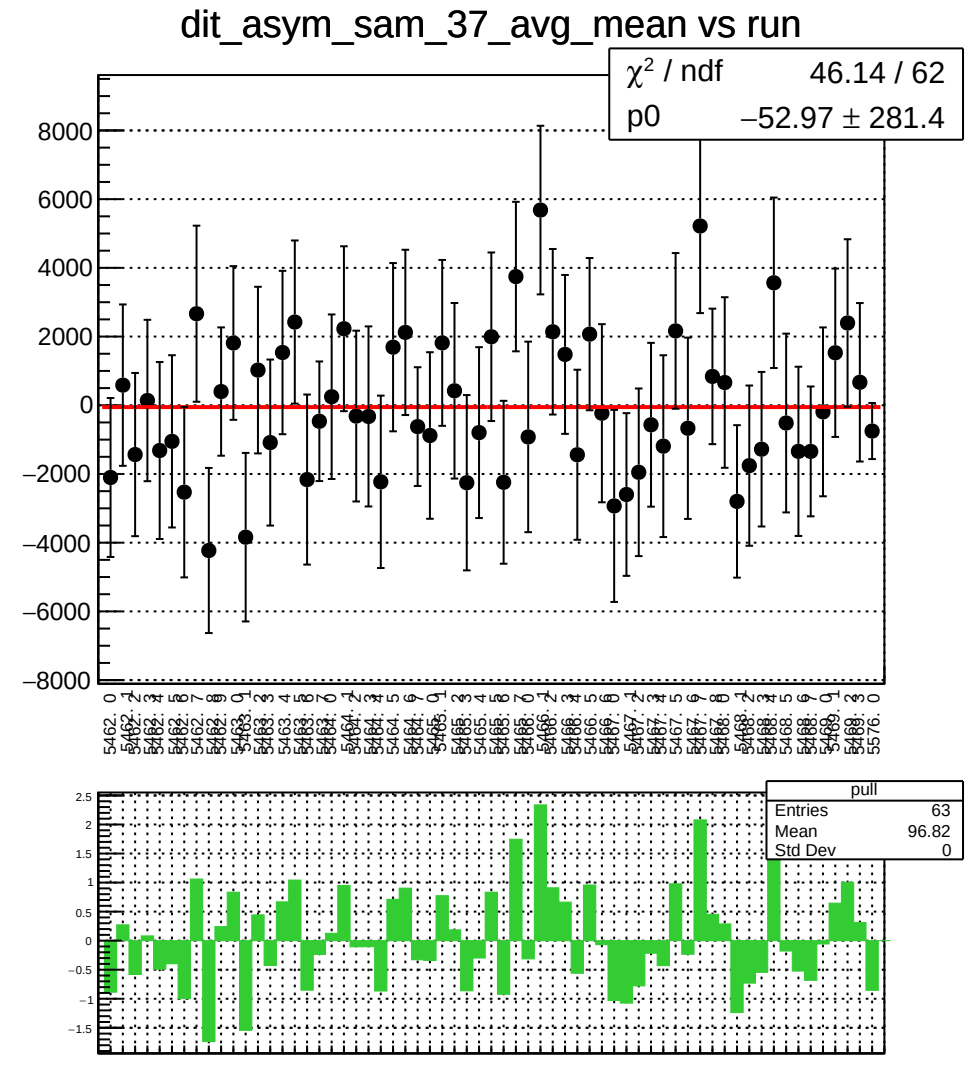

pull1D
Entries 63
Mean 0.02845
Std Dev 0.8323

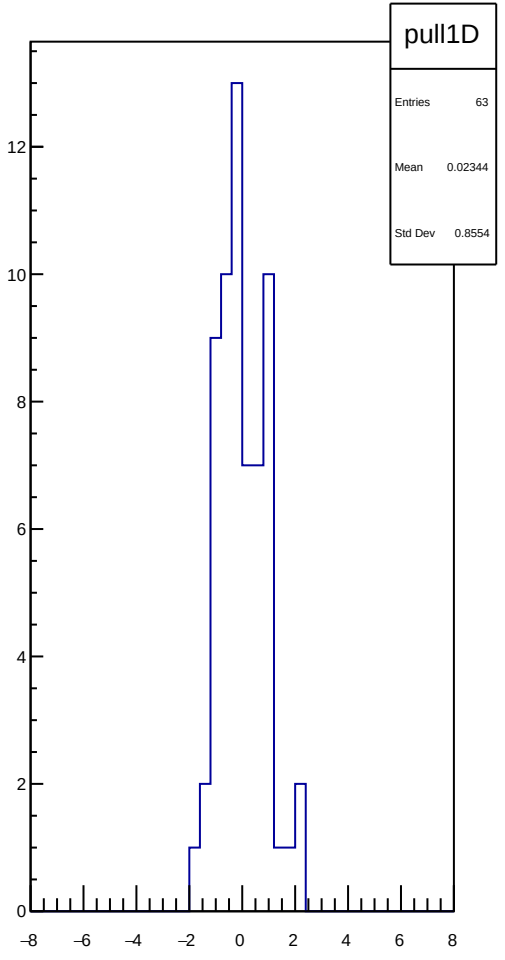

eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 9.333e+04 / 62
p0 202.5 ± 0.1916
280
260
240
220
200
180
160
140
120
100
80
60

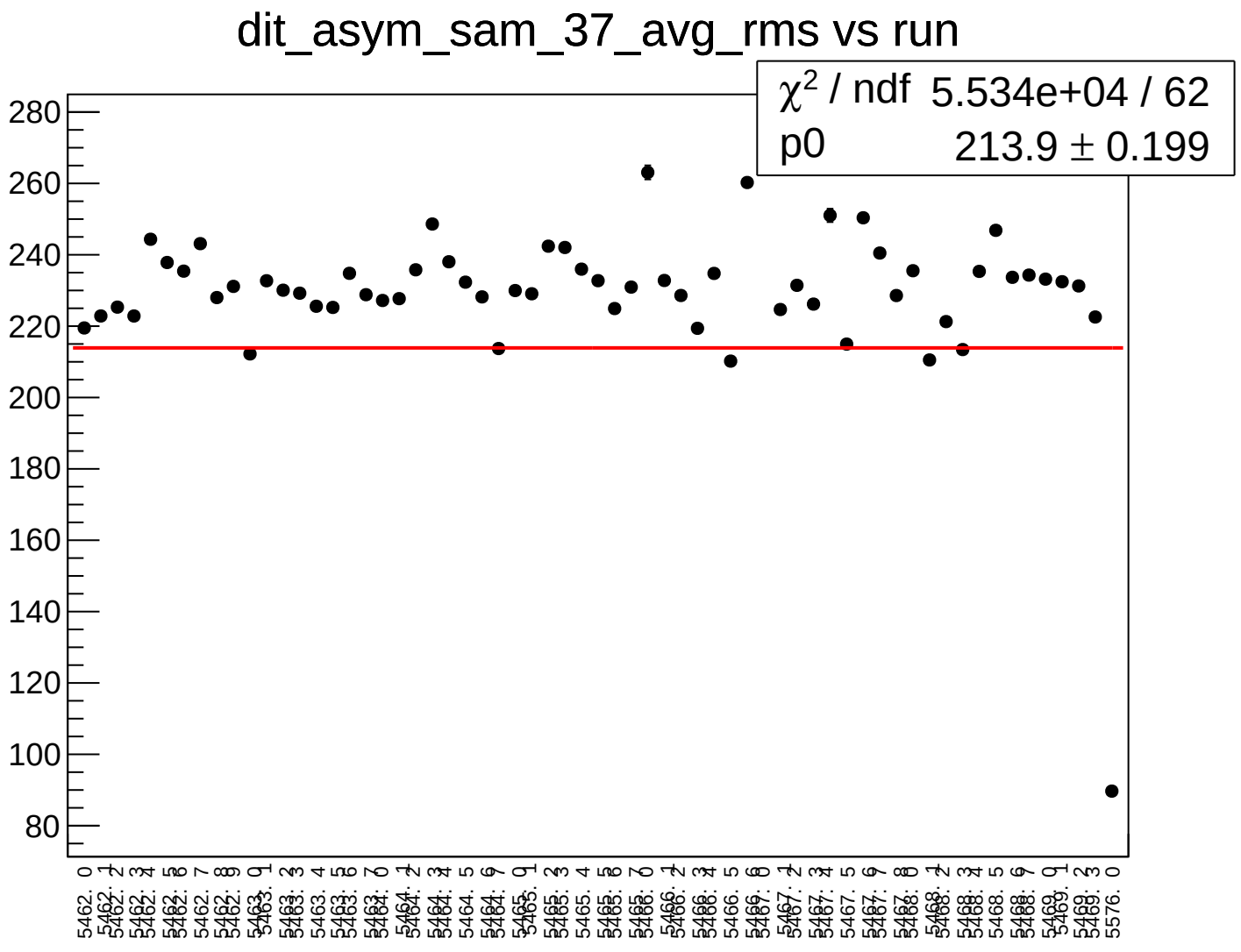

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.6 / 62
p0 919.4 ± 1393
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 20.07
Std Dev 0
3
2
1
0
−1
−2

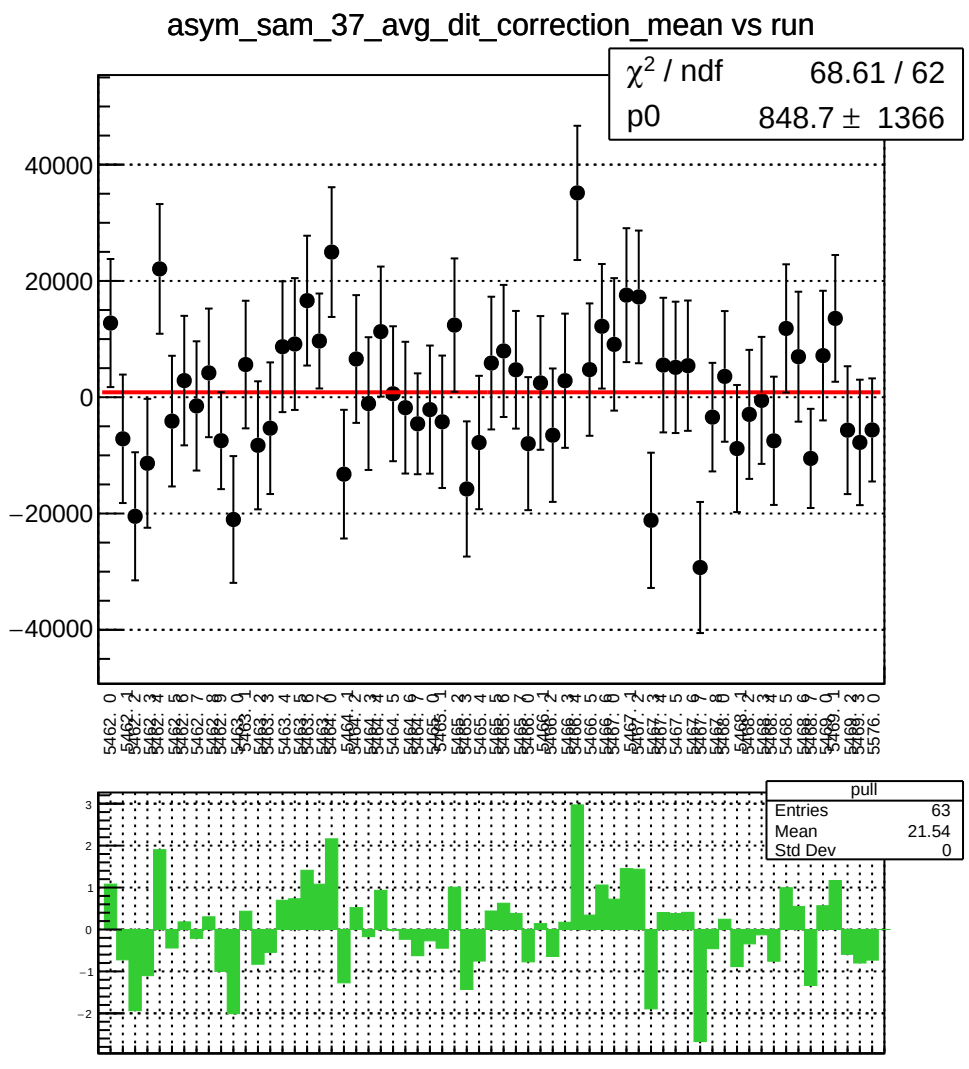

pull1D
Entries 63
Mean 0.01153
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

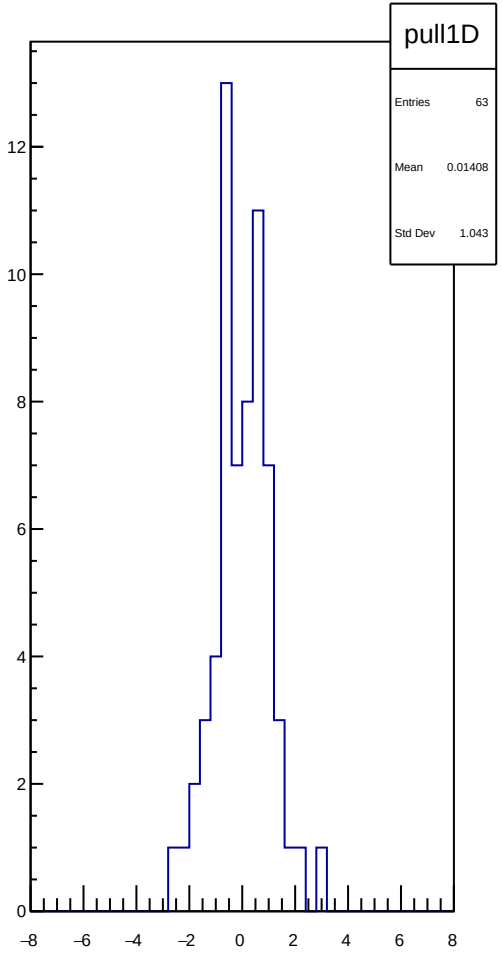

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1452 / 62
p0 1083 ± 0.985
1150
1100
1050
1000
950
900

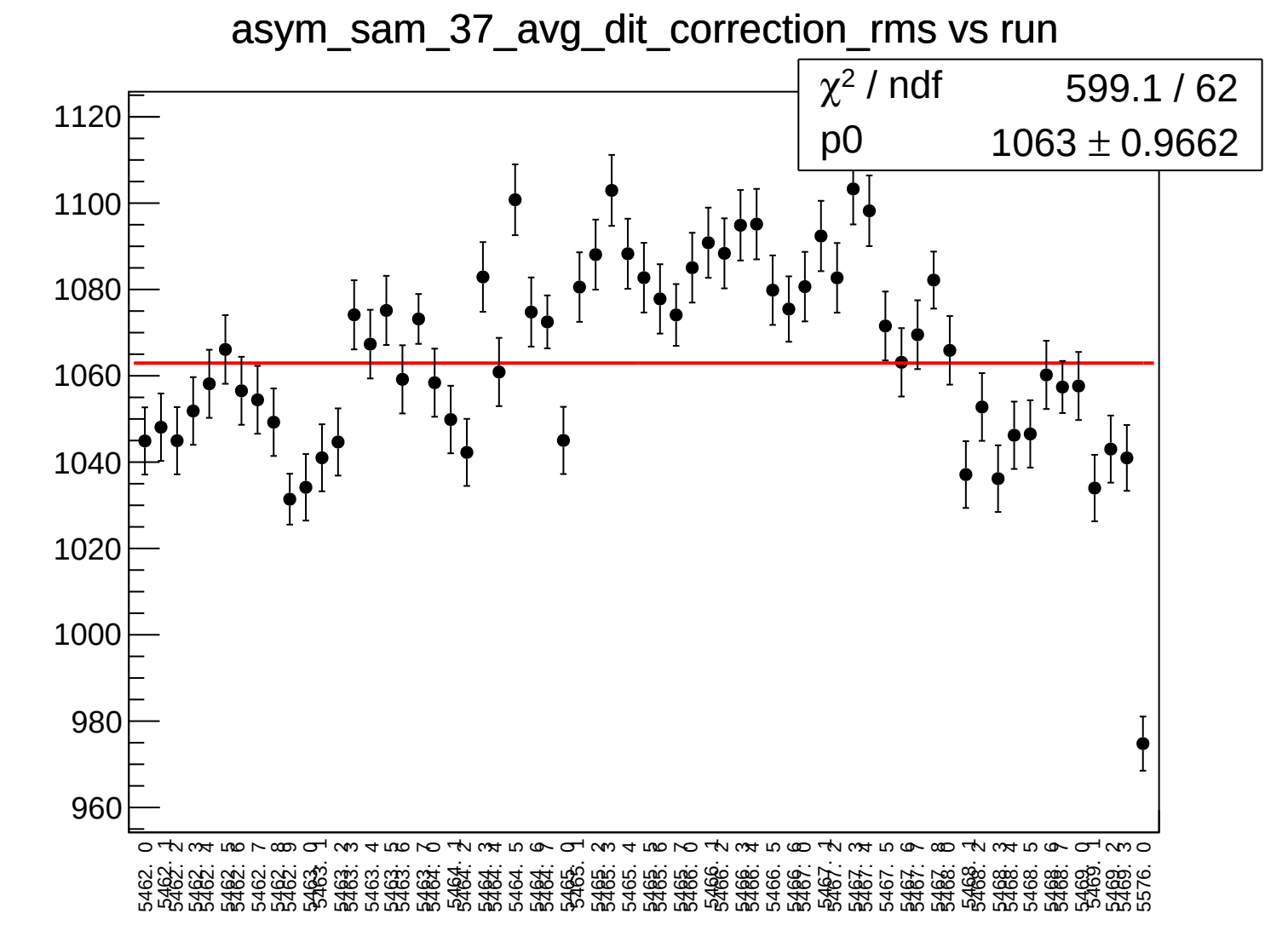

dit_asym_sam_37_avg_mean vs run
χ² / ndf 46.14 / 62
p0 −52.97 ± 281.4
pull
Entries 63
Mean 96.82
Std Dev 0

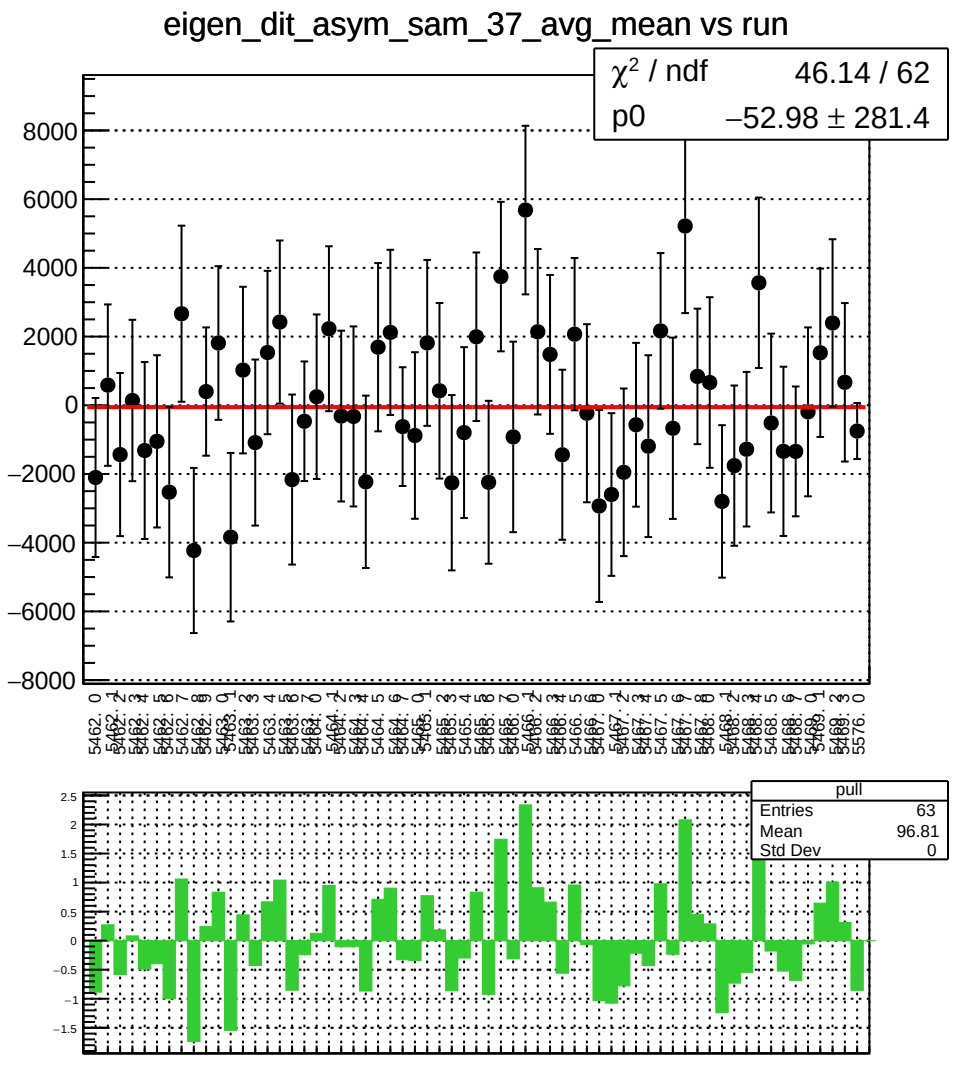

pull1D
Entries 63
Mean 0.02344
Std Dev 0.8554

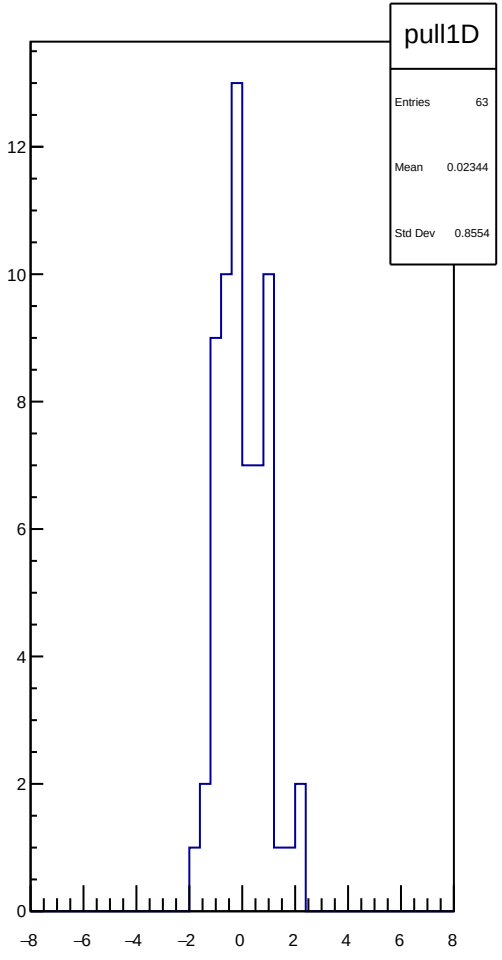

dit_asym_sam_37_avg_rms vs run
χ² / ndf 5.534e+04 / 62
p0 213.9 ± 0.199
280
260
240
220
200
180
160
140
120
100
80

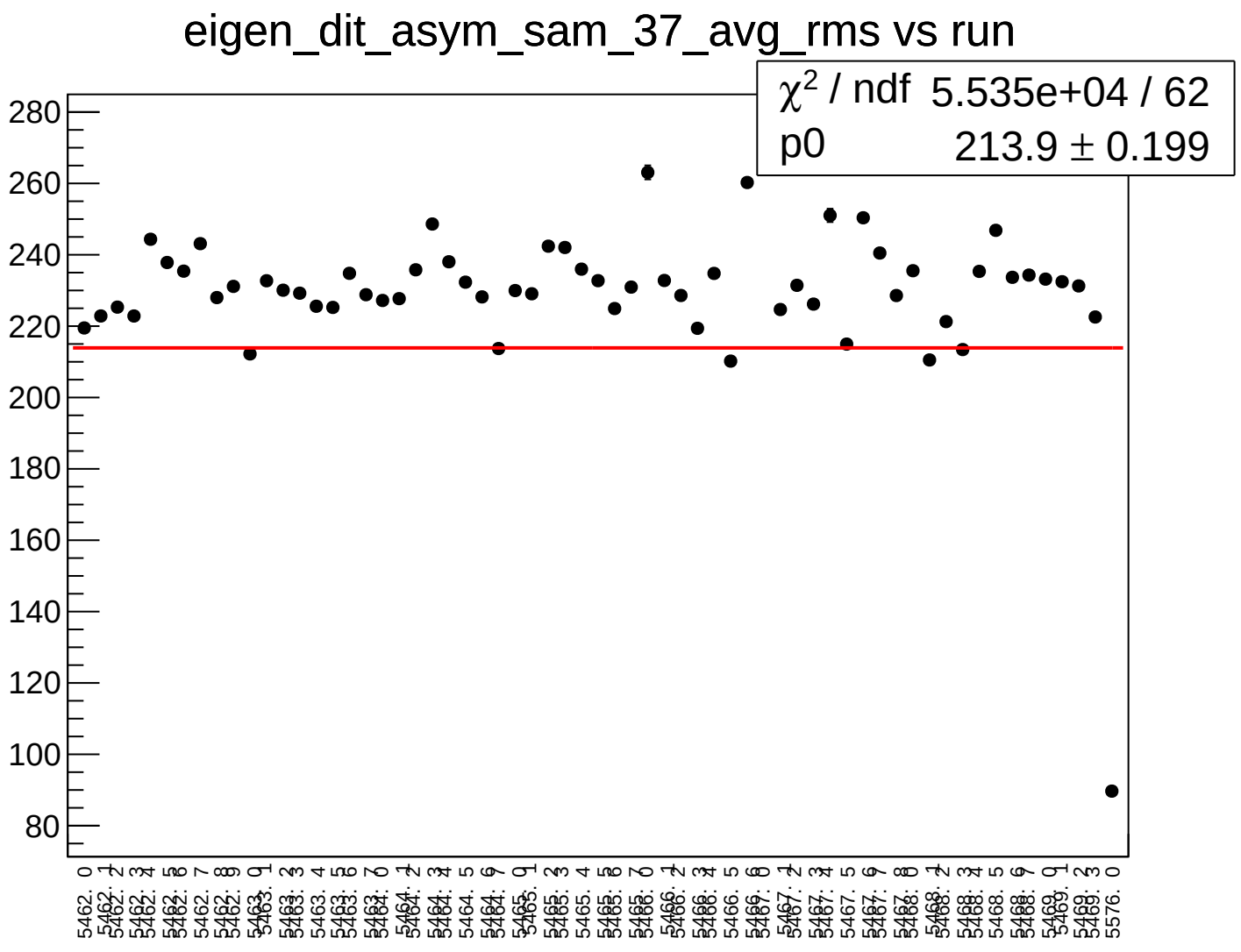

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 68.61 / 62
p0 848.7 ± 1366
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 21.54
Std Dev 0
3
2
1
0
−1
−2

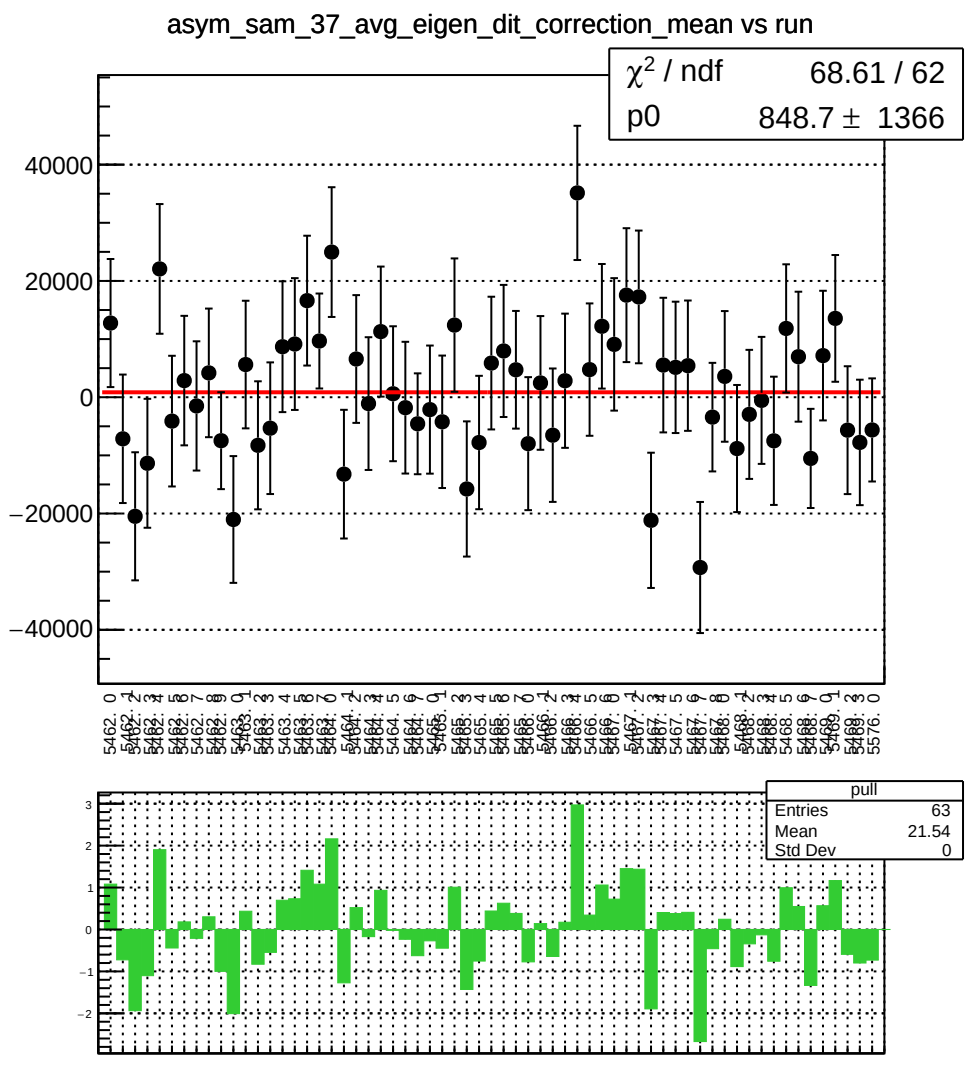

pull1D
Entries 63
Mean 0.01408
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

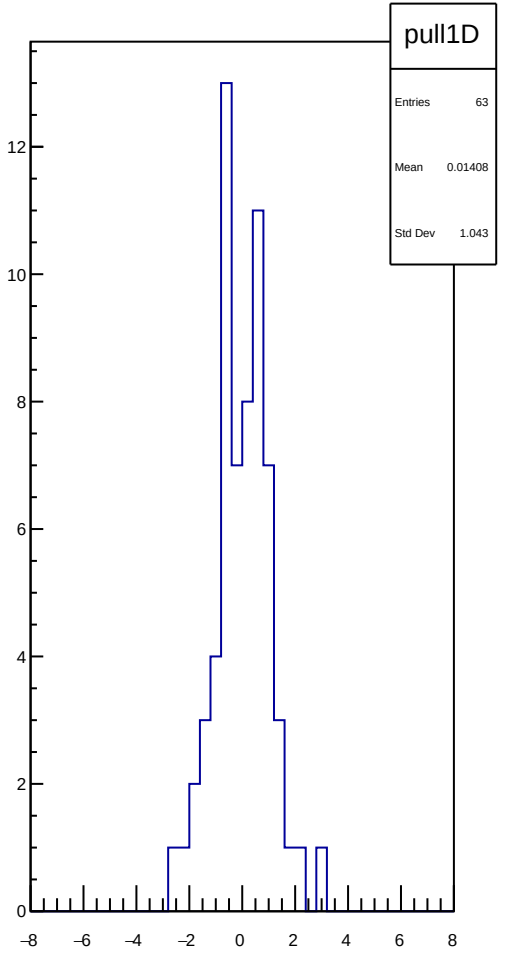

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 599.1 / 62
p0 1063 ± 0.9662
1120
1100
1080
1060
1040
1020
1000
980
960

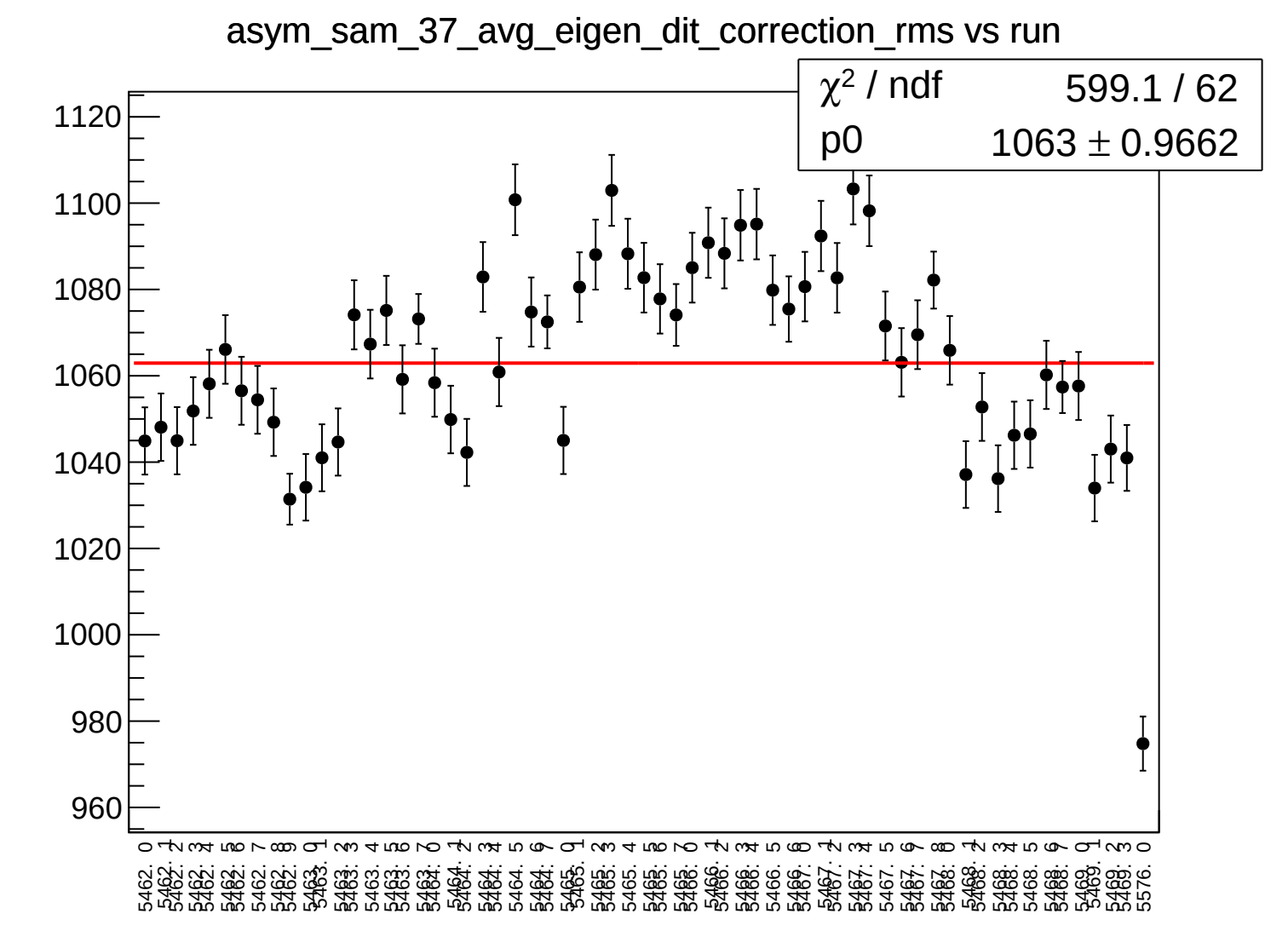

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 46.14 / 62
p0 −52.98 ± 281.4
pull
Entries 63
Mean 96.81
Std Dev 0

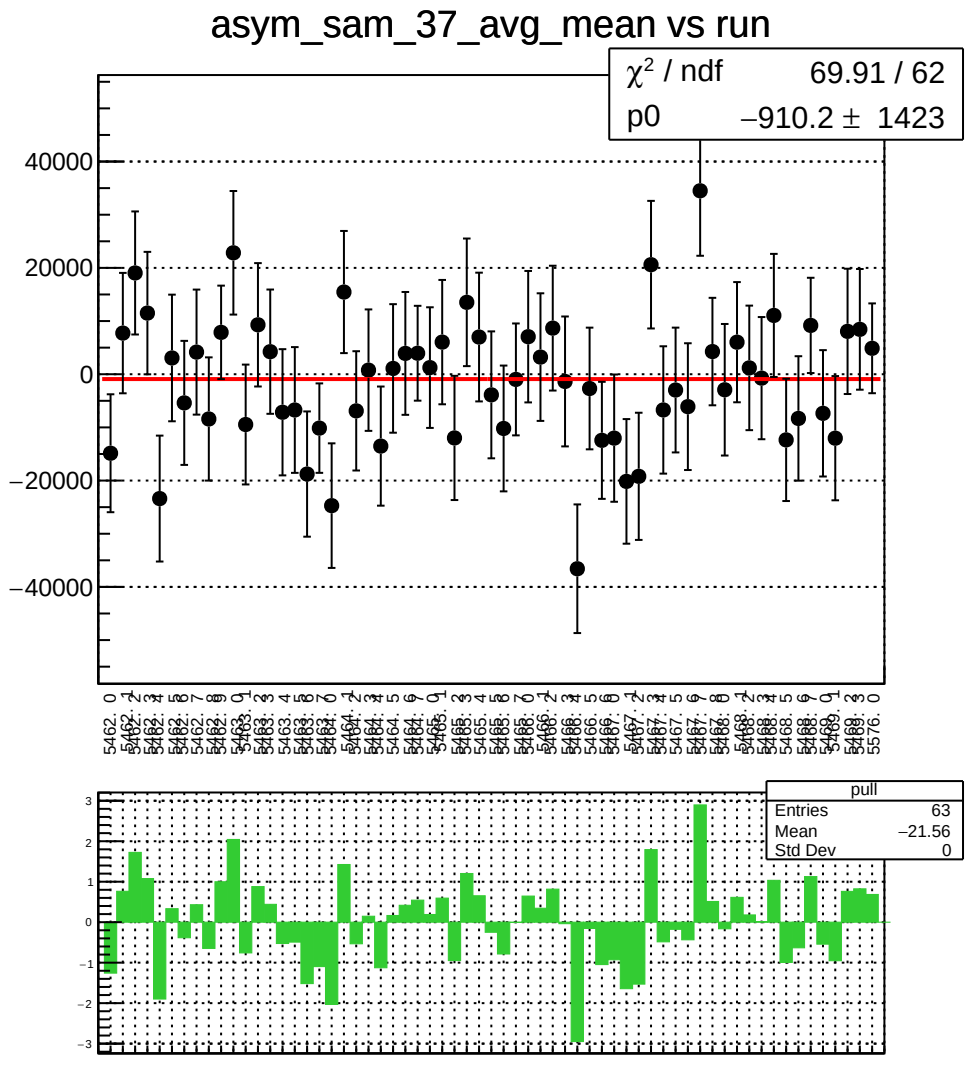

pull1D
Entries 63
Mean 0.02344
Std Dev 0.8554

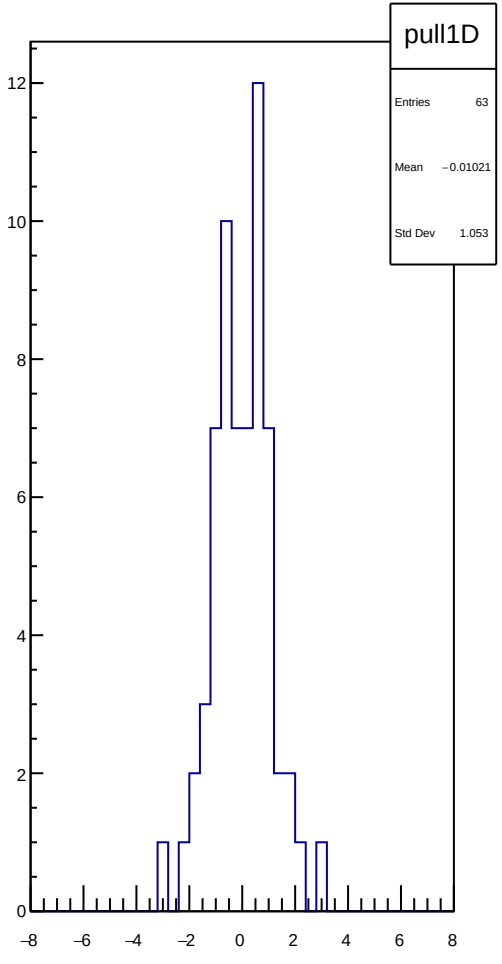

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.535e+04 / 62
p0 213.9 ± 0.199
280
260
240
220
200
180
160
140
120
100
80

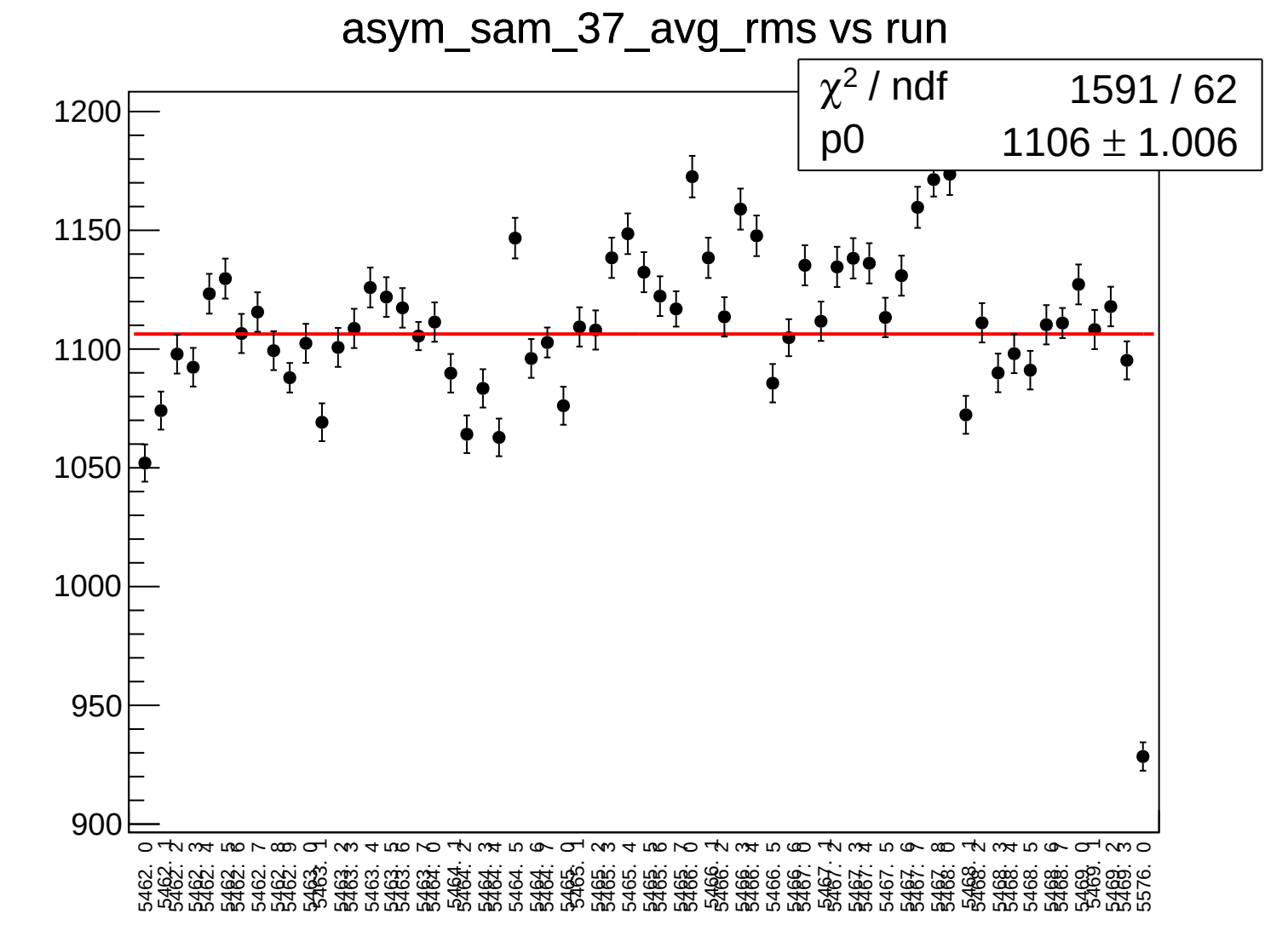

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.61 / 62
p0 848.7 ± 1366
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 21.54
Std Dev 0
3
2
1
0
−1
−2

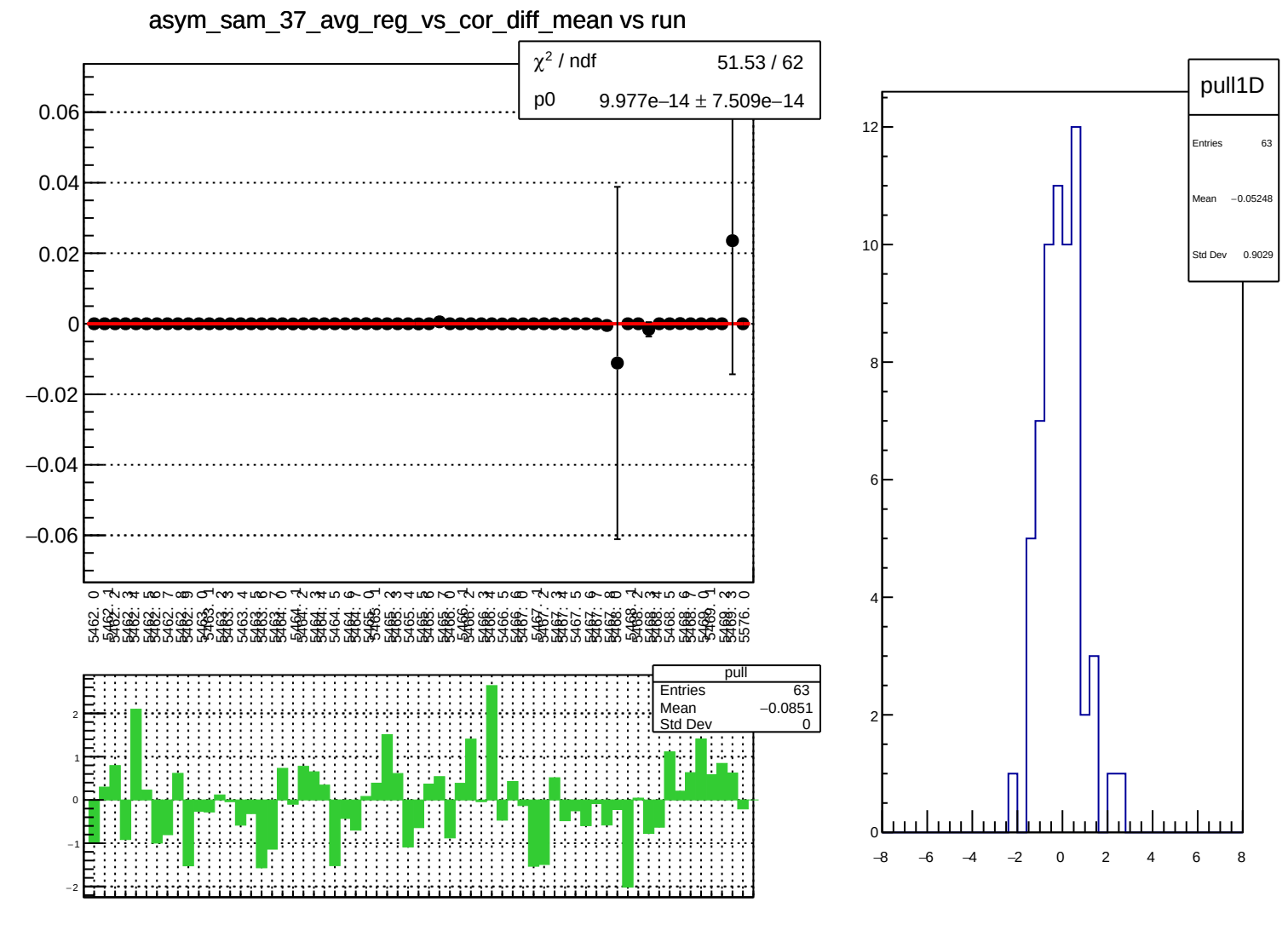

pull1D
Entries 63
Mean 0.01408
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

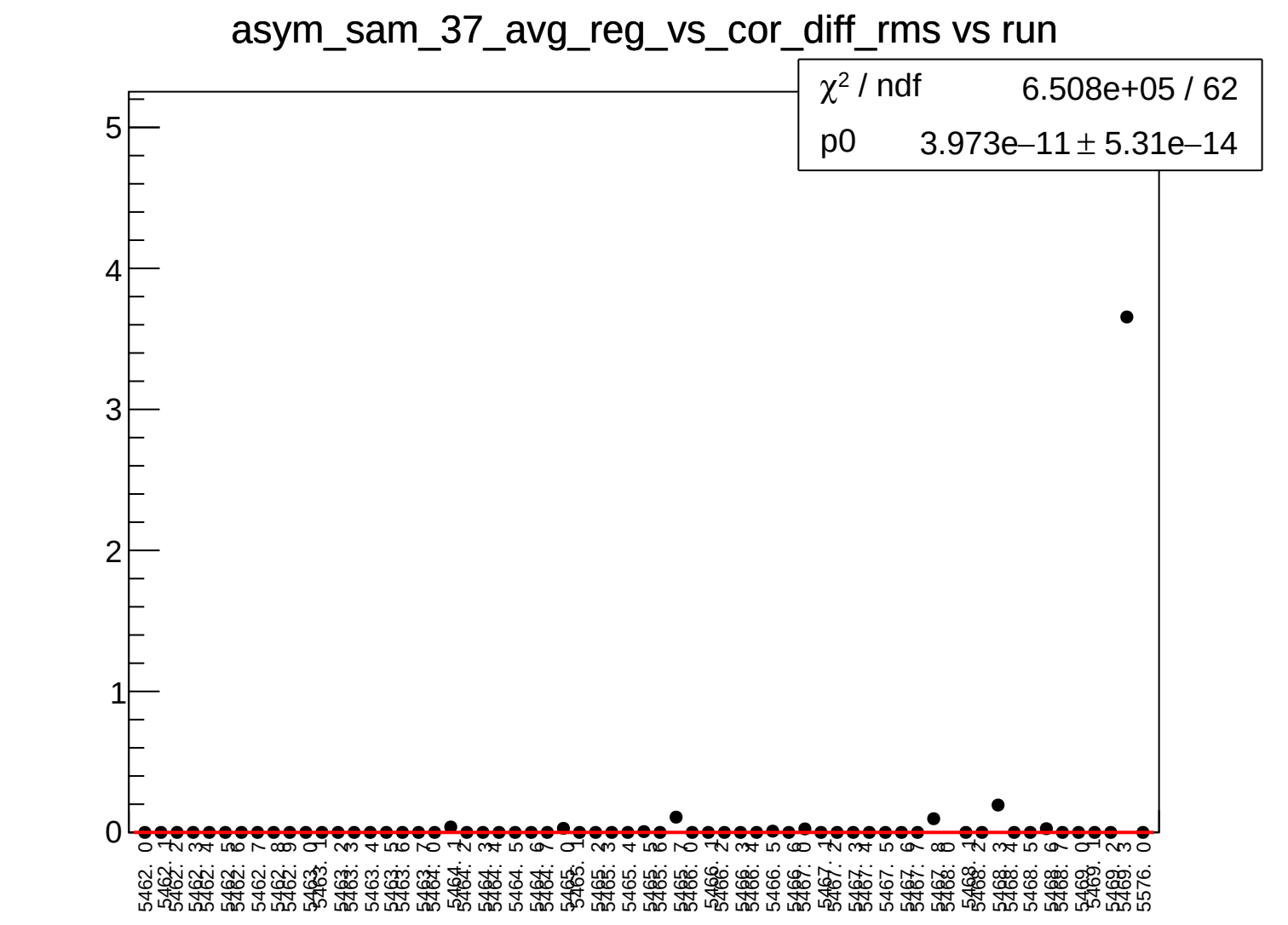

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 599.1 / 62
p0 1063 ± 0.9662
1120
1100
1080
1060
1040
1020
1000
980
960

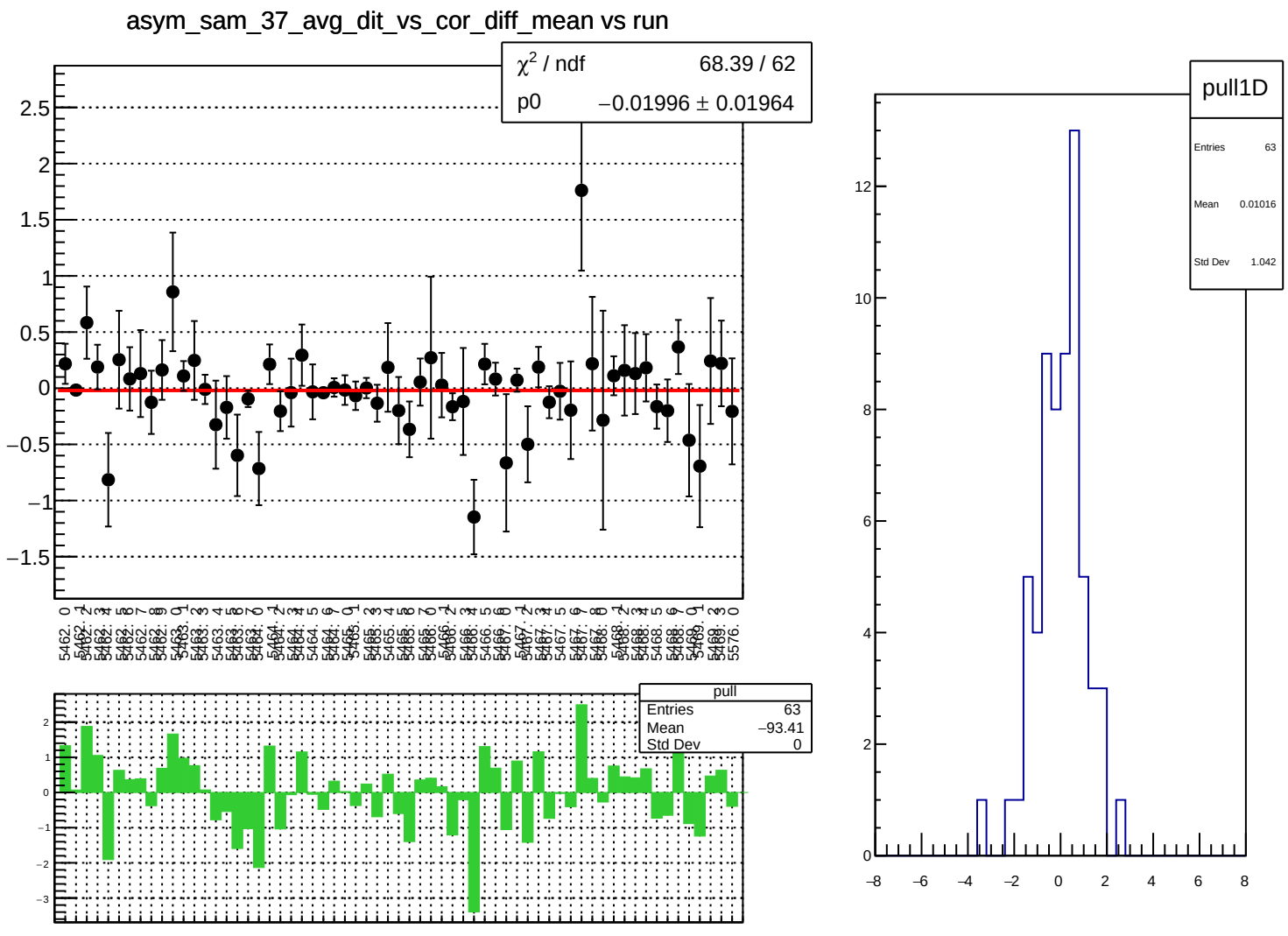

asym_sam_37_avg_mean vs run
χ² / ndf 69.91 / 62
p0 −910.2 ± 1423
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −21.56
Std Dev 0
3
2
1
0
−1
−2
−3

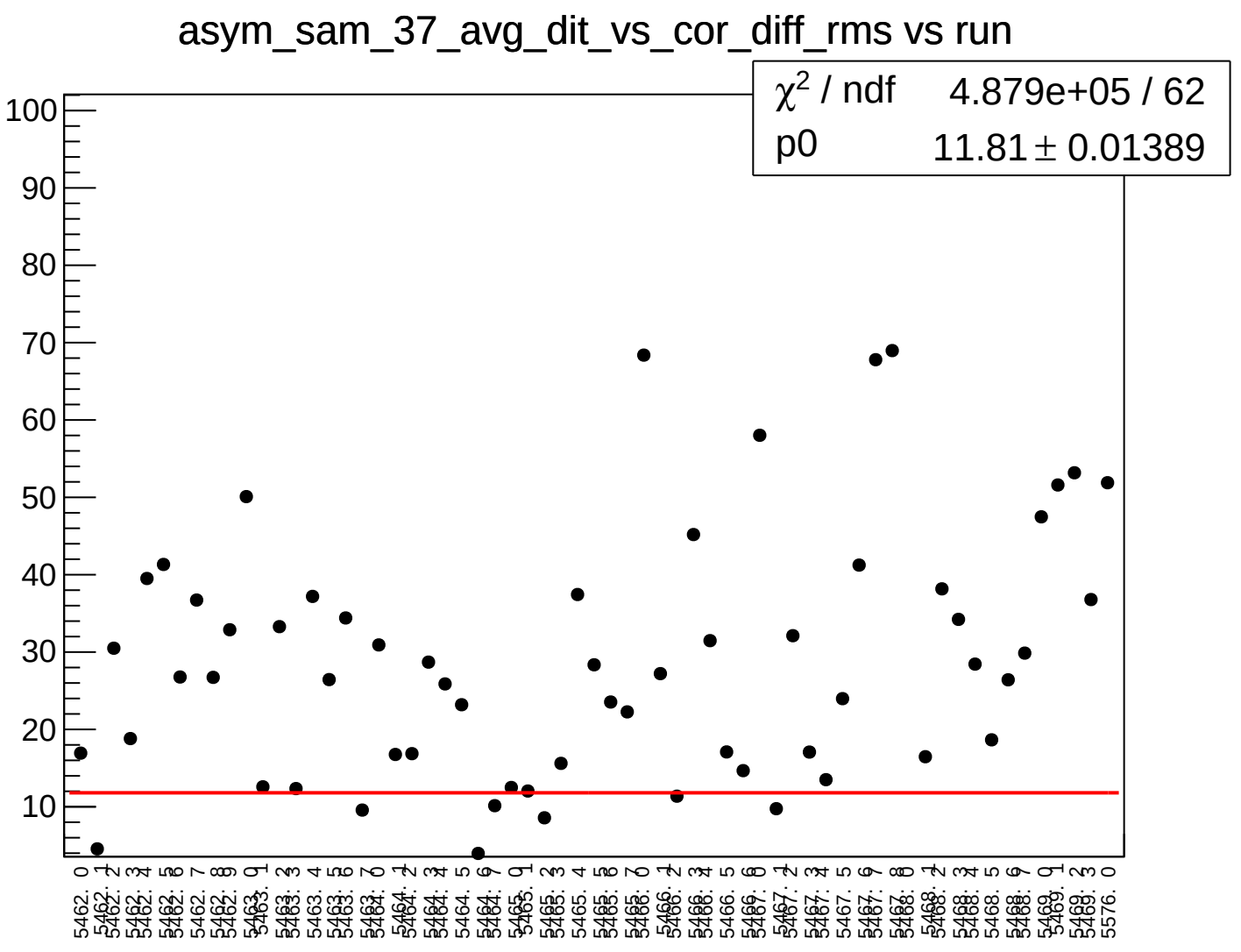

pull1D
Entries 63
Mean −0.01021
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

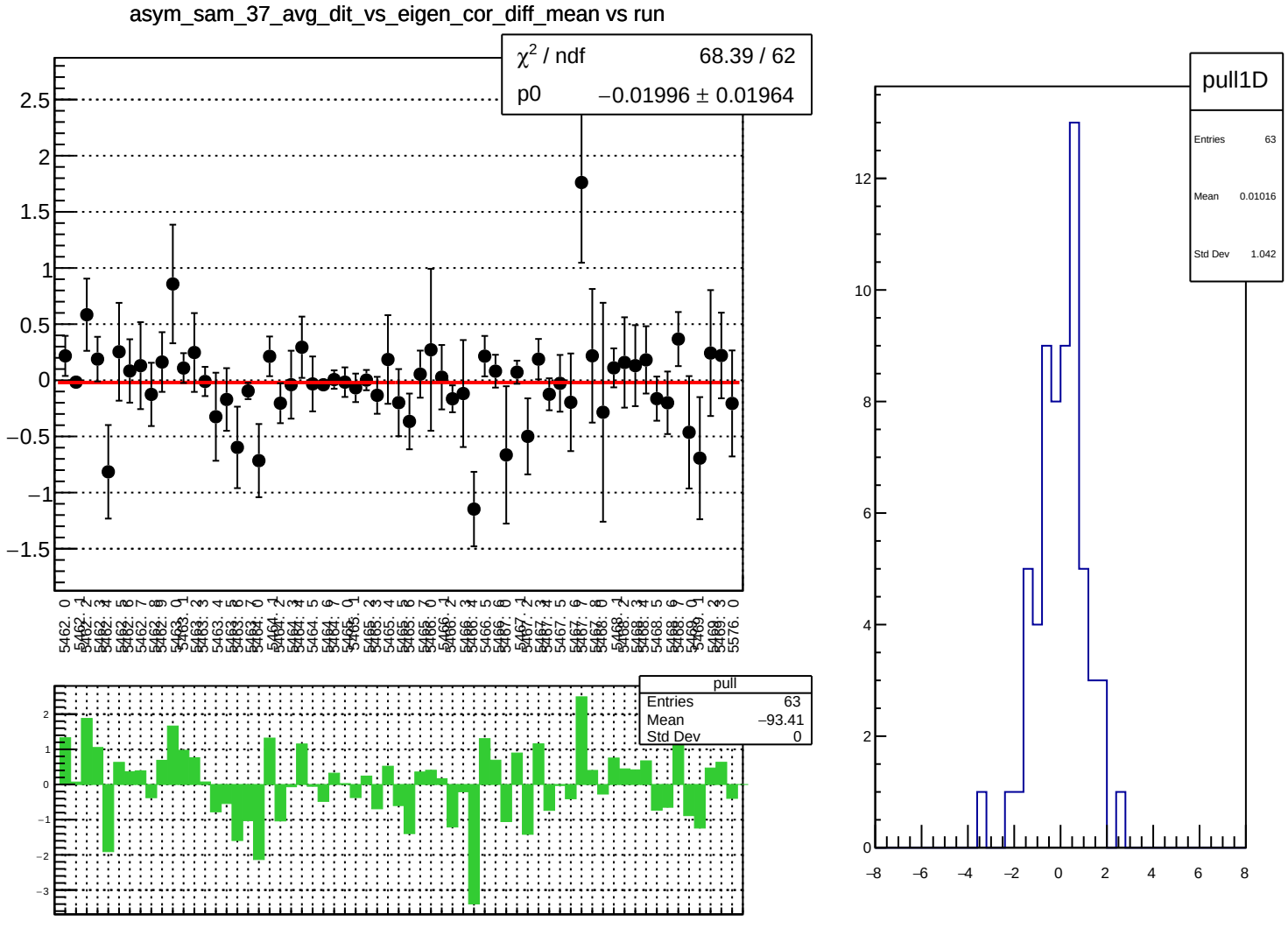

asym_sam_37_avg_rms vs run
χ² / ndf 1591 / 62
p0 1106 ± 1.006
1200
1150
1100
1050
1000
950
900

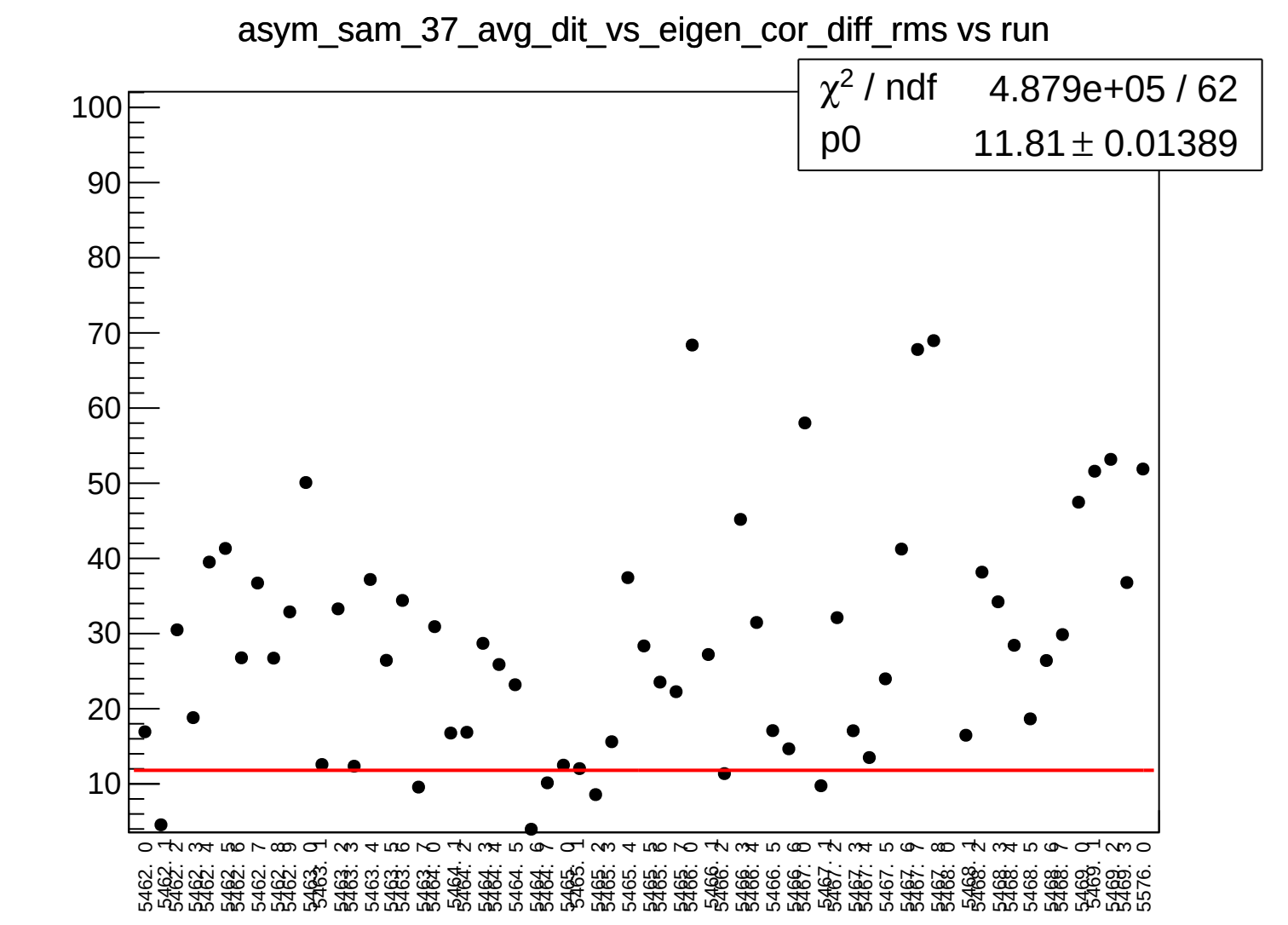

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.53 / 62
p0 9.977e−14 ± 7.509e−14
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 63
Mean −0.0851
Std Dev 0
pull1D
Entries 63
Mean −0.05248
Std Dev 0.9029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

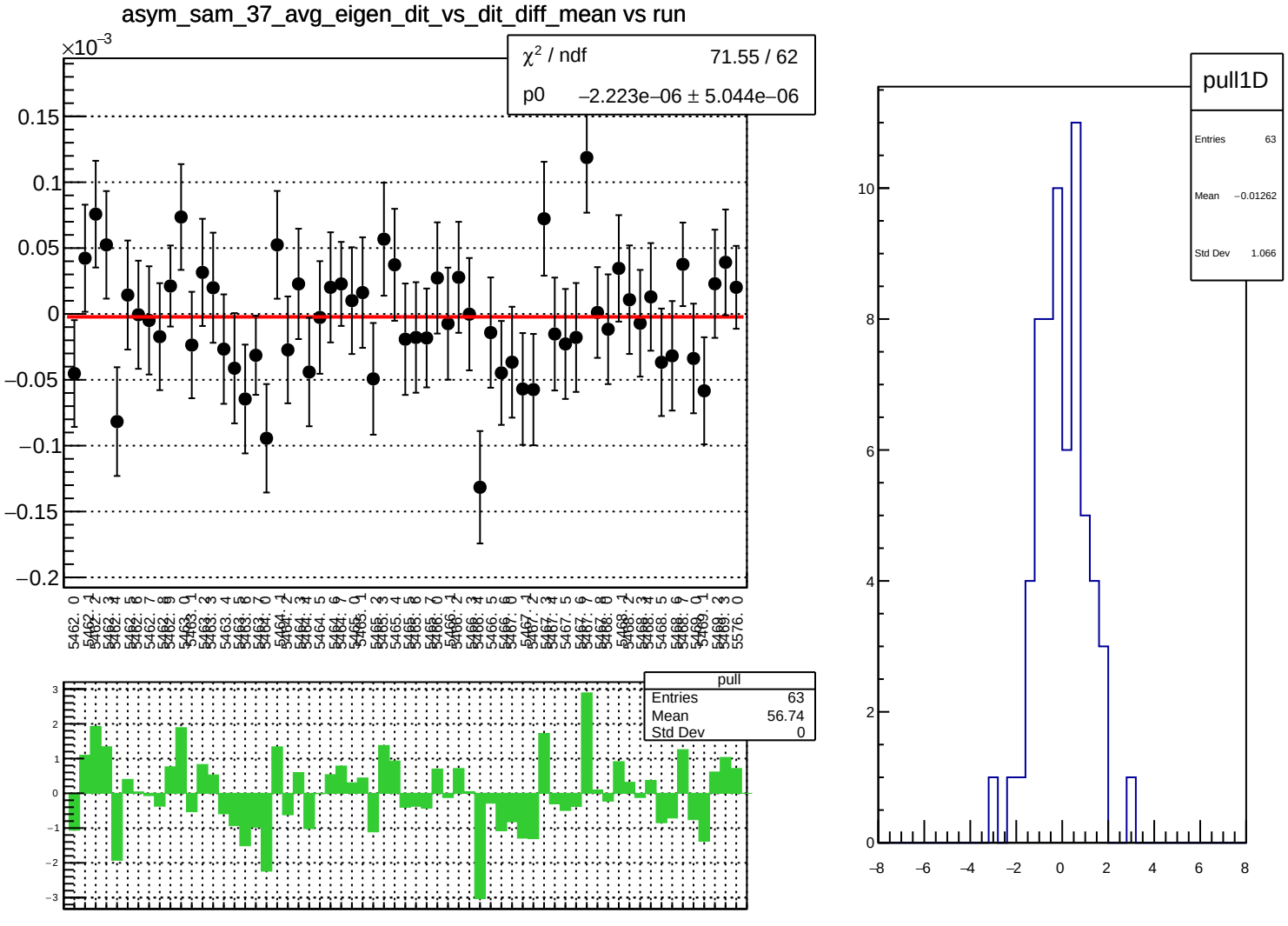

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.508e+05 / 62
p0 3.973e−11 ± 5.31e−14
5
4
3
2
1
0

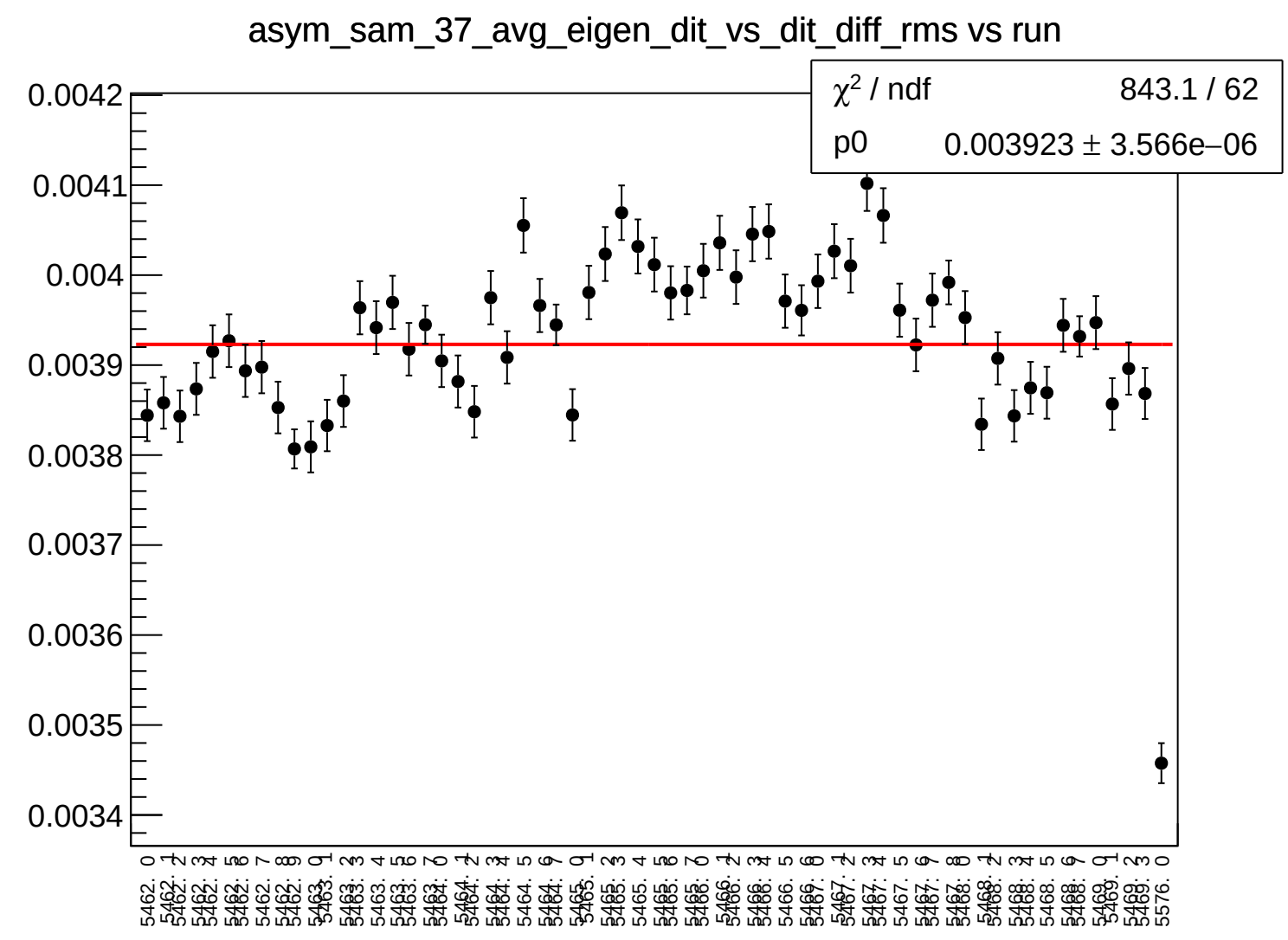

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.39 / 62
p0 −0.01996 ± 0.01964
pull
Entries 63
Mean −93.41
Std Dev 0
pull1D
Entries 63
Mean 0.01016
Std Dev 1.042

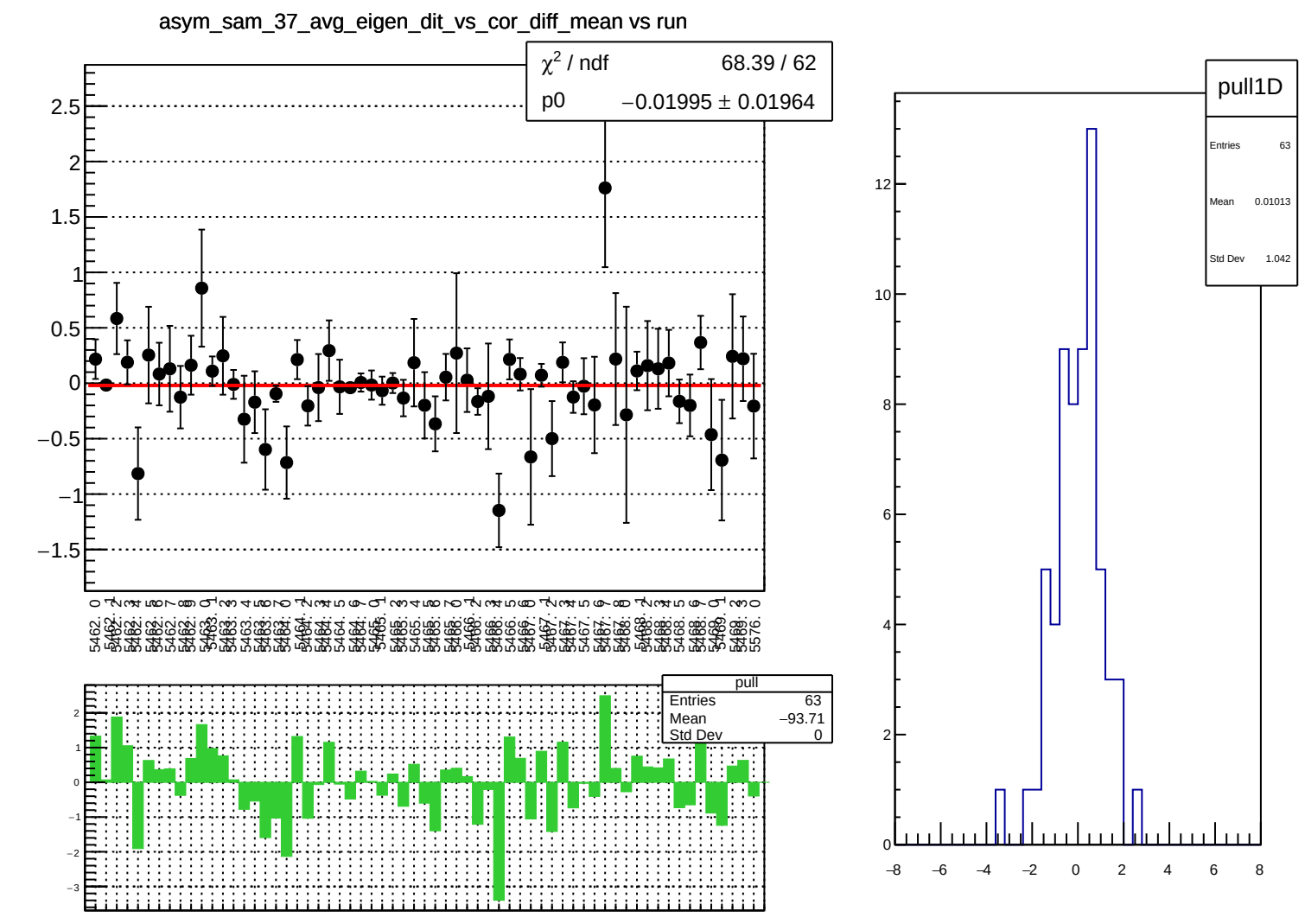

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.879e+05 / 62
p0 11.81 ± 0.01389
100
90
80
70
60
50
40
30
20
10

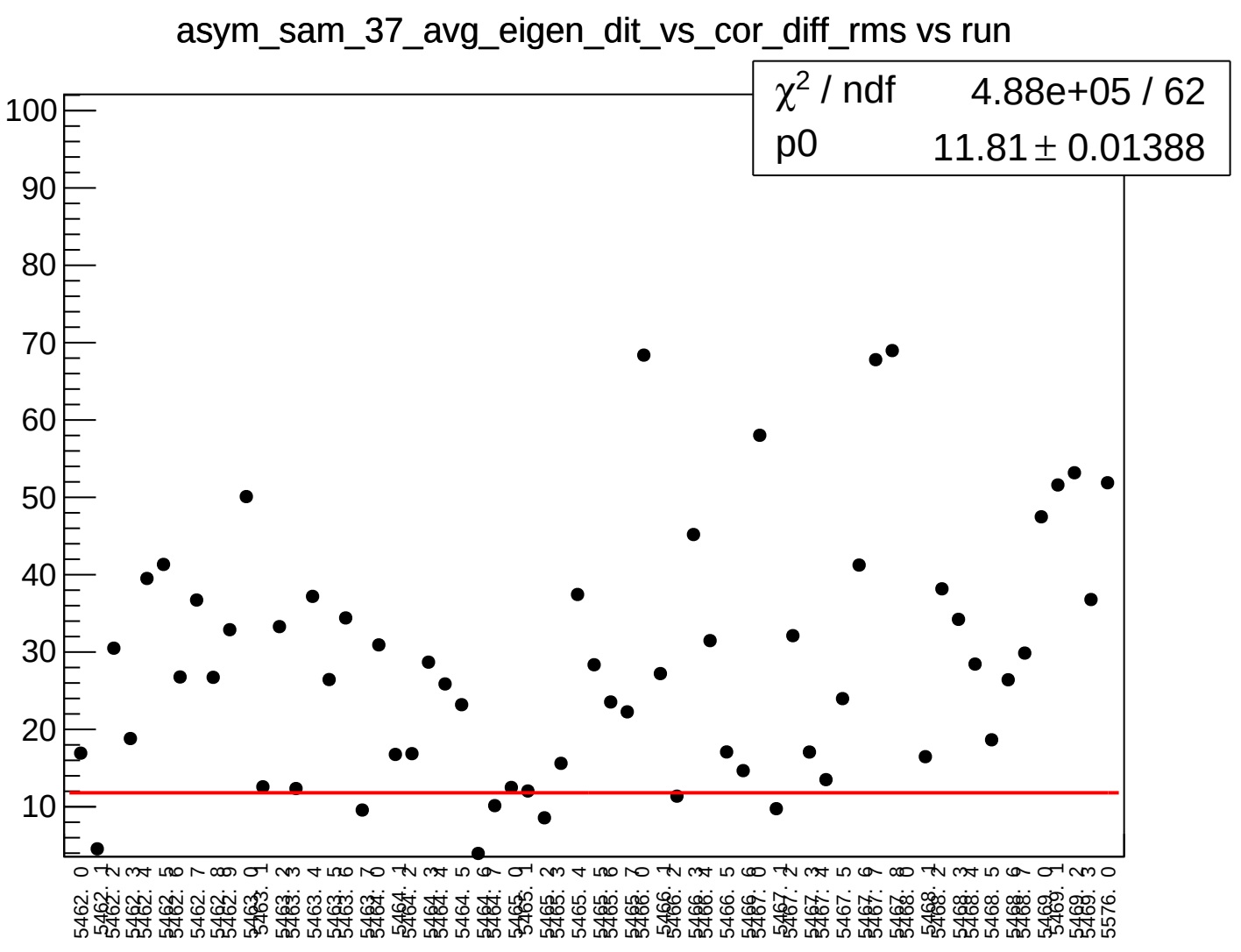

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.39 / 62
p0 −0.01996 ± 0.01964
pull
Entries 63
Mean −93.41
Std Dev 0
pull1D
Entries 63
Mean 0.01016
Std Dev 1.042

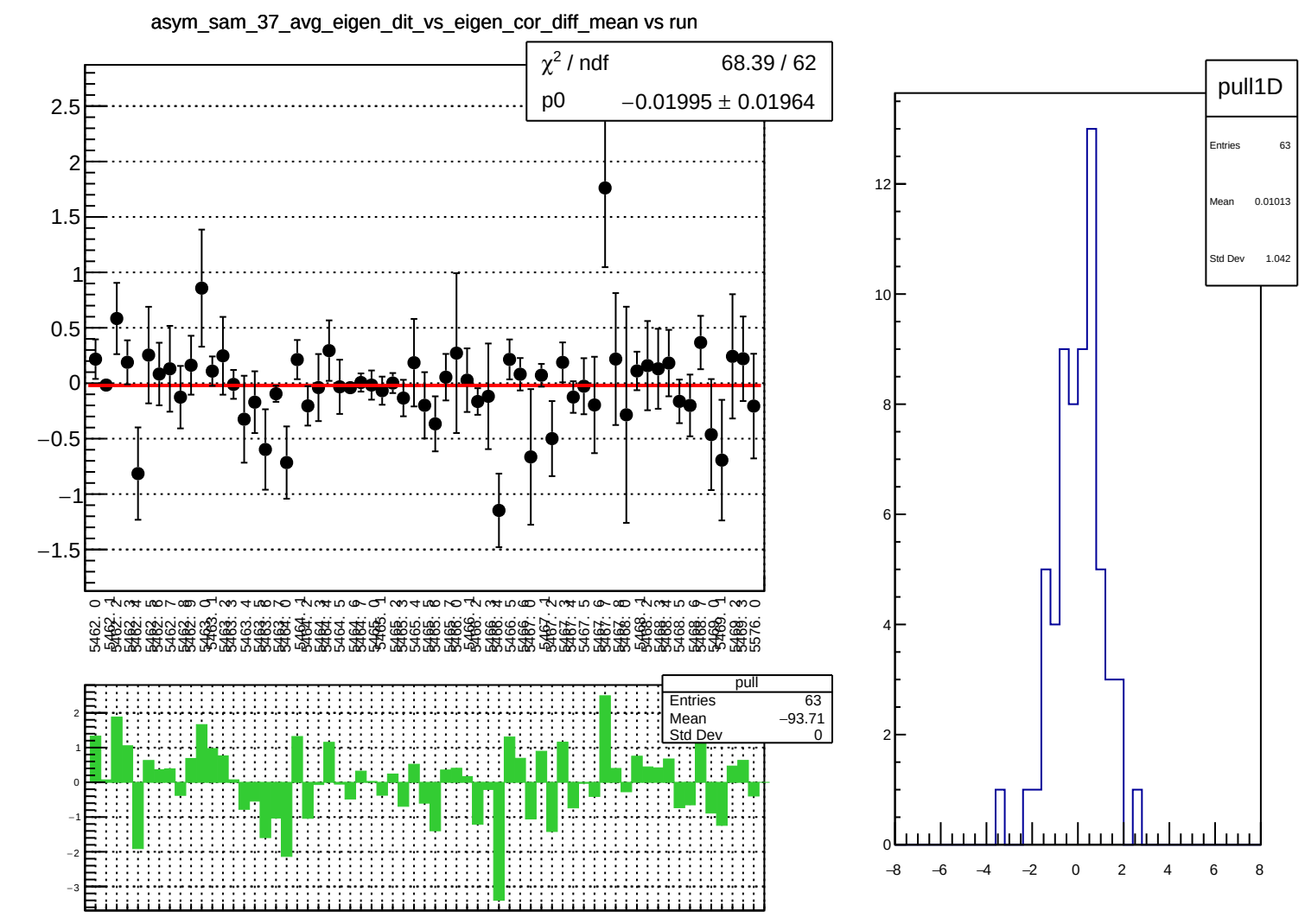

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.879e+05 / 62
p0 11.81 ± 0.01389
100
90
80
70
60
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

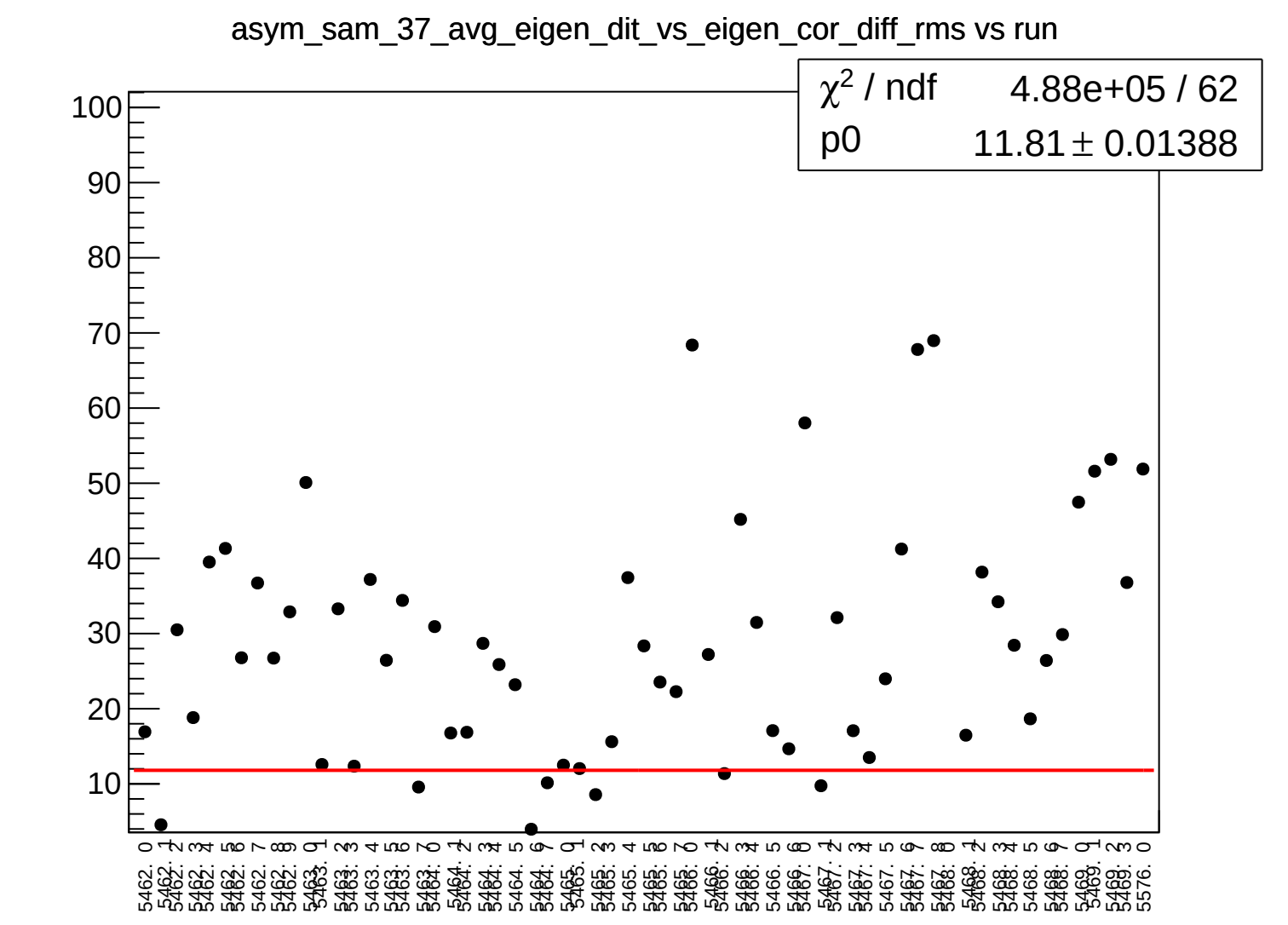

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.55 / 62
p0 −2.223e−06 ± 5.044e−06
pull
Entries 63
Mean 56.74
Std Dev 0
pull1D
Entries 63
Mean −0.01262
Std Dev 1.066

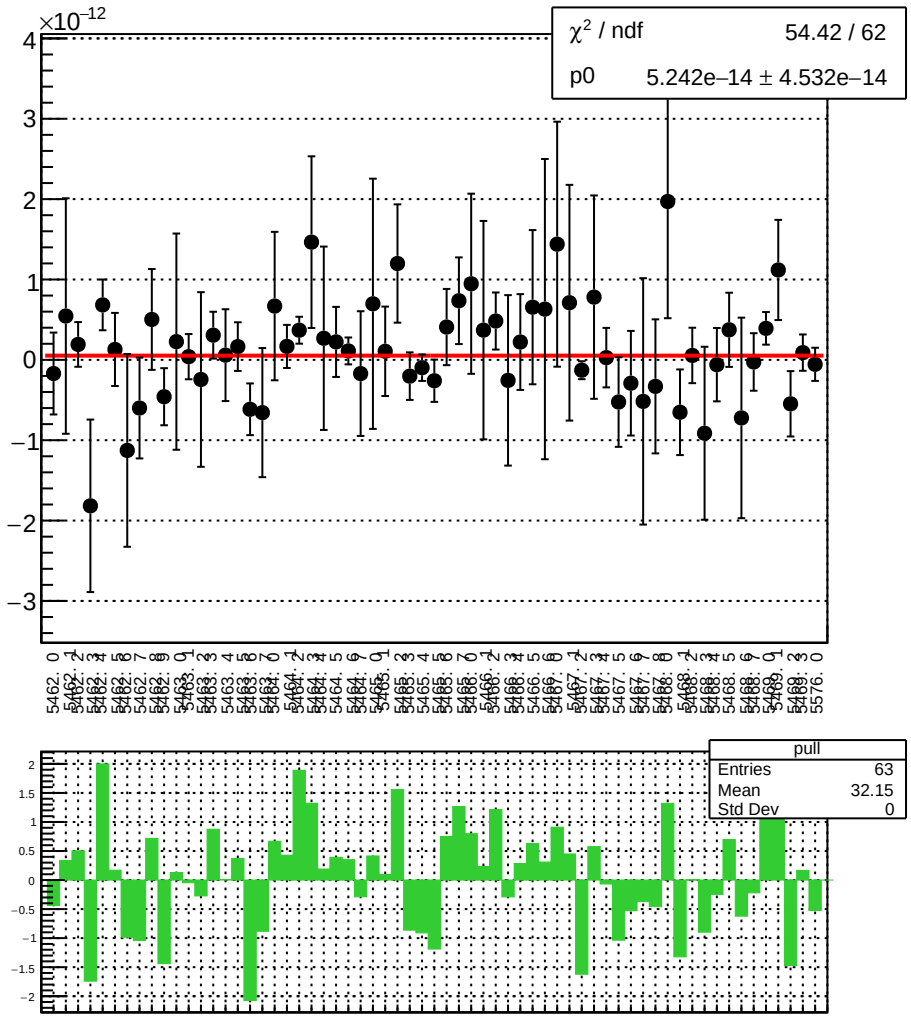

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 843.1 / 62
p0 0.003923 ± 3.566e−06
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034

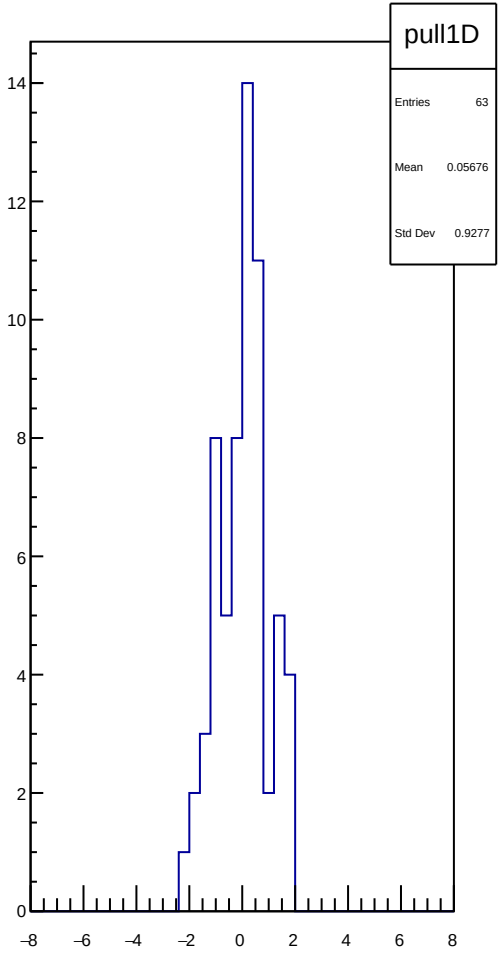

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.39 / 62
p0 −0.01995 ± 0.01964
pull
Entries 63
Mean −93.71
Std Dev 0
pull1D
Entries 63
Mean 0.01013
Std Dev 1.042

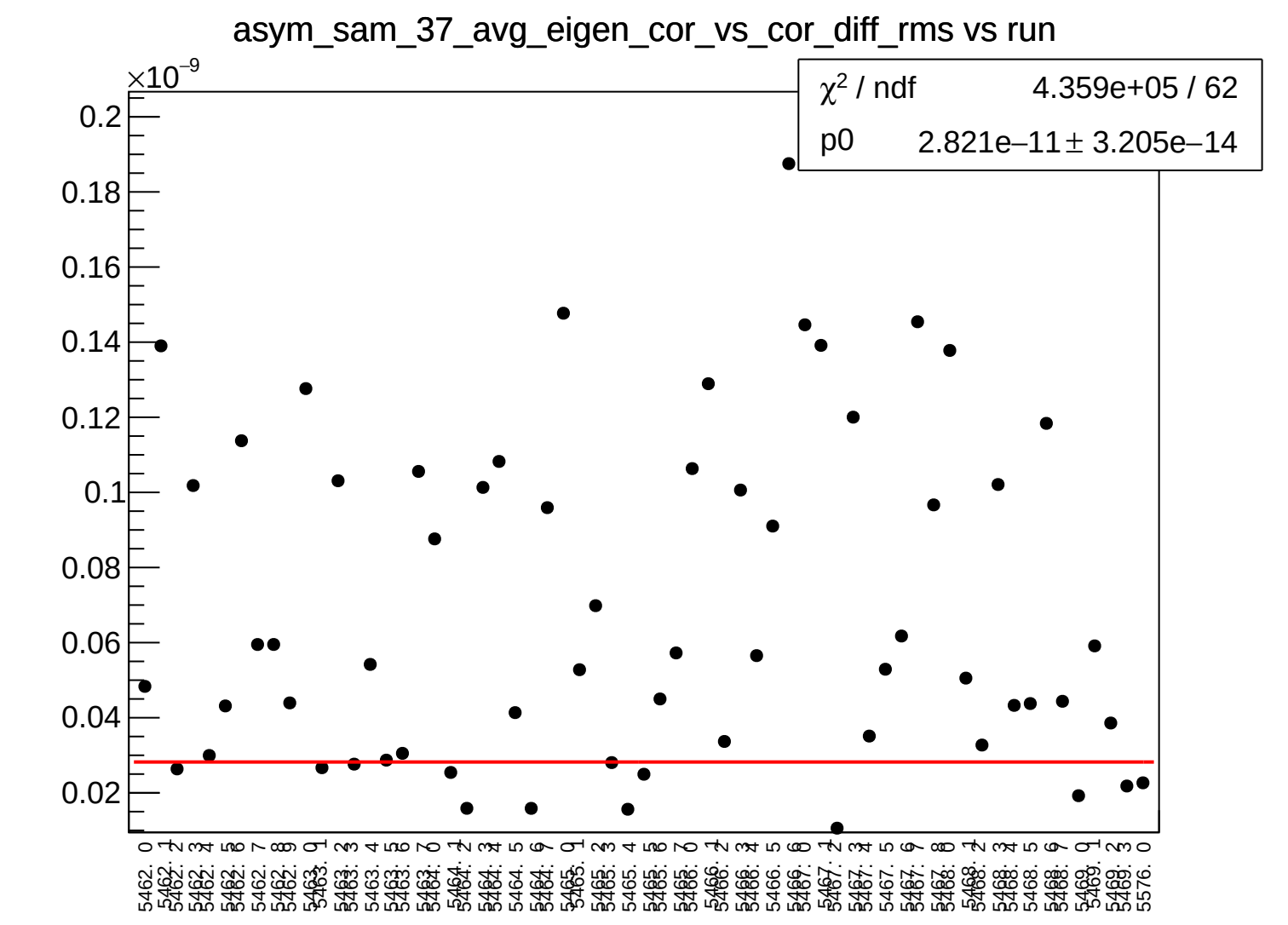

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.88e+05 / 62
p0 11.81 ± 0.01388
100
90
80
70
60
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

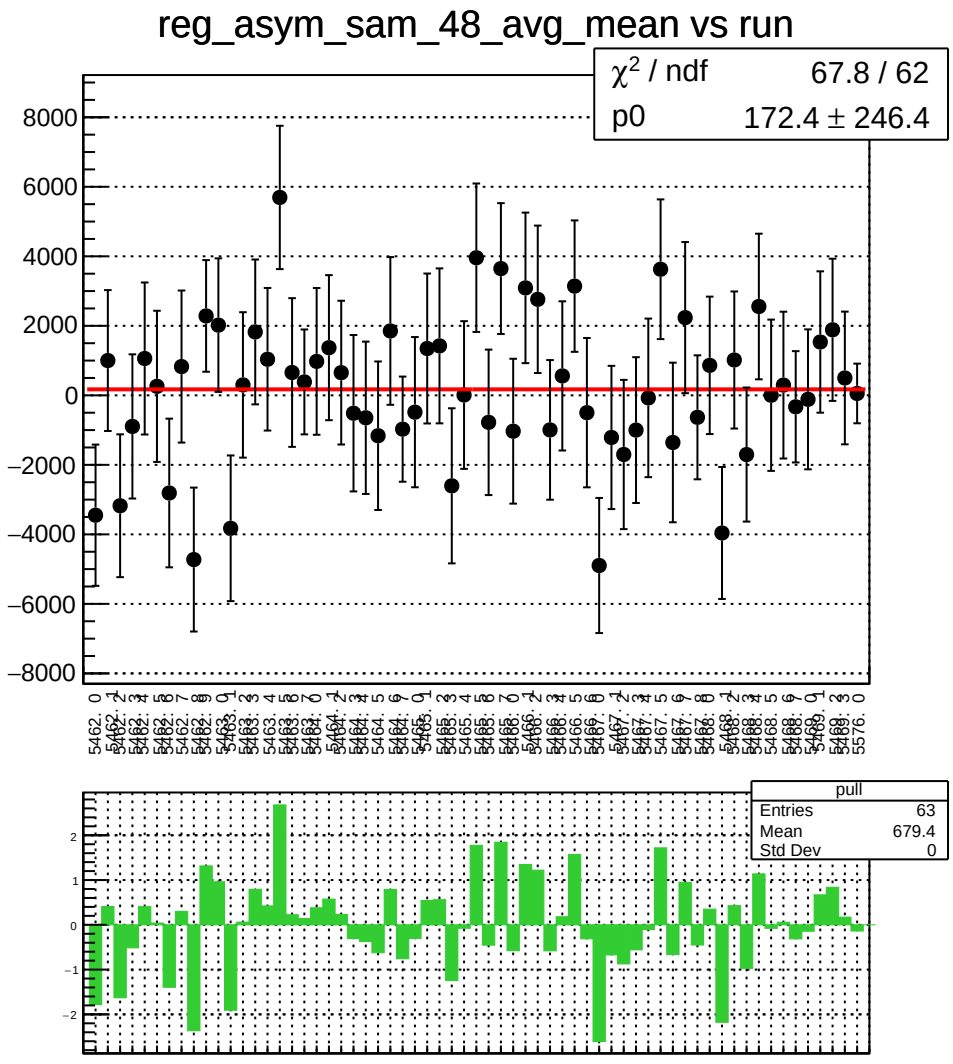

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.39 / 62
p0 −0.01995 ± 0.01964
pull
Entries 63
Mean −93.71
Std Dev 0
pull1D
Entries 63
Mean 0.01013
Std Dev 1.042

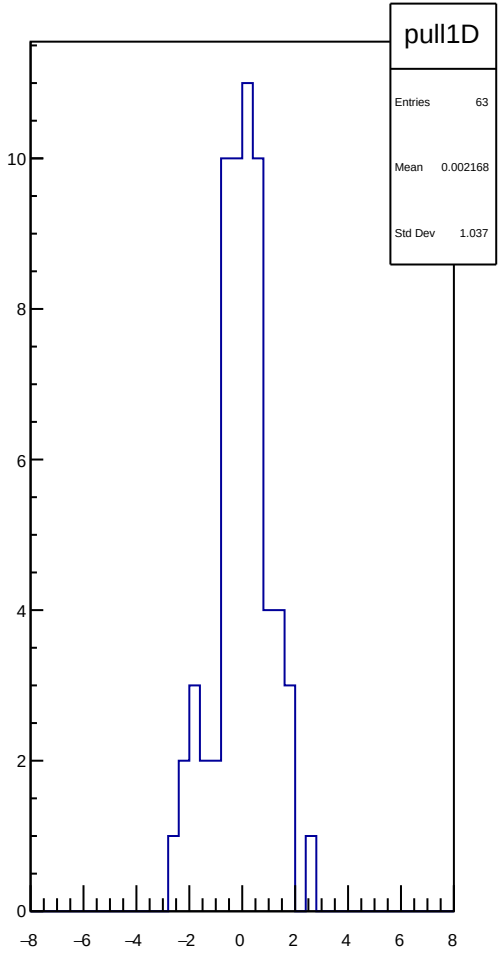

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.88e+05 / 62
p0 11.81 ± 0.01388
100
90
80
70
60
50
40
30
20
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

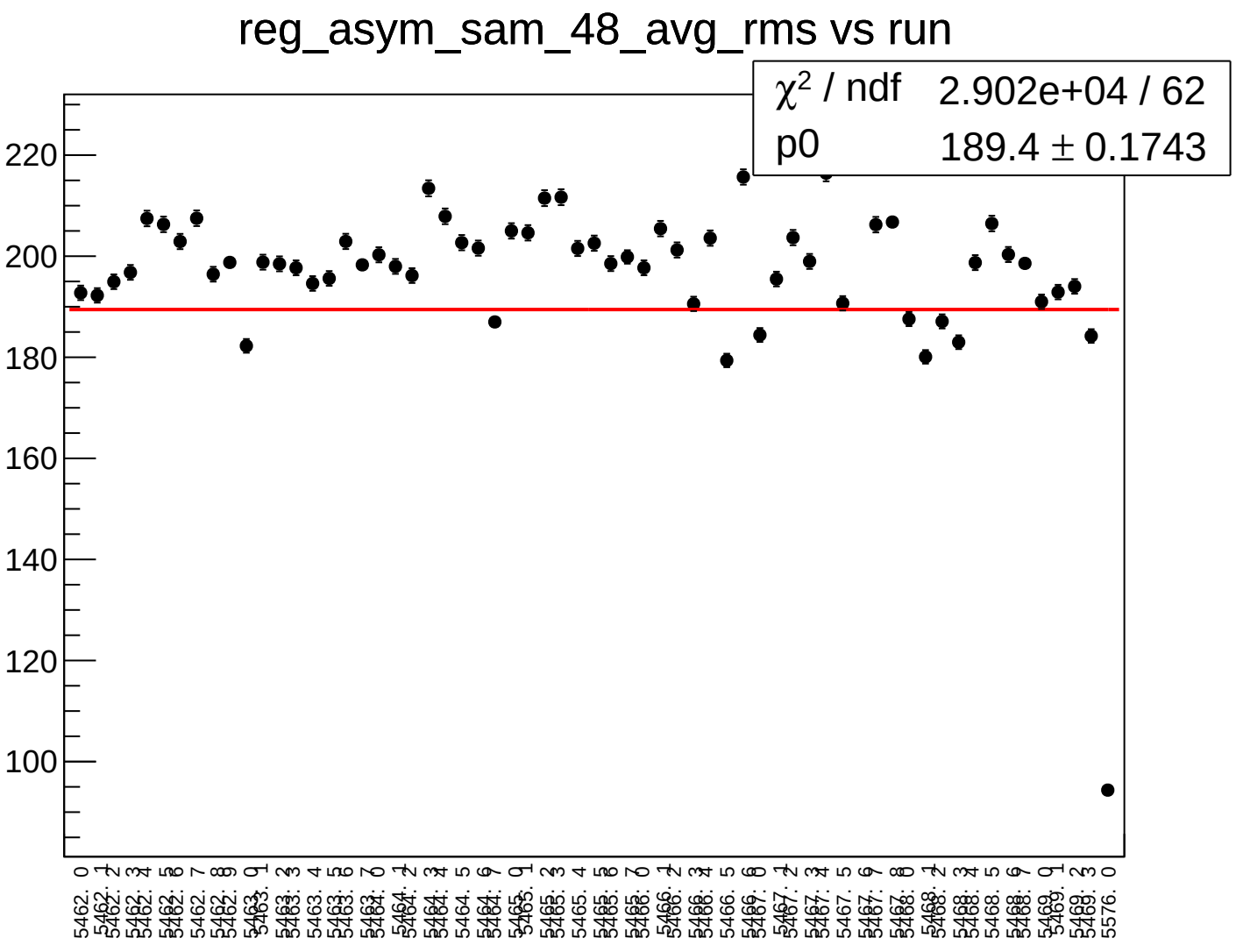

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.42 / 62
p0 5.242e−14 ± 4.532e−14
pull
Entries 63
Mean 32.15
Std Dev 0

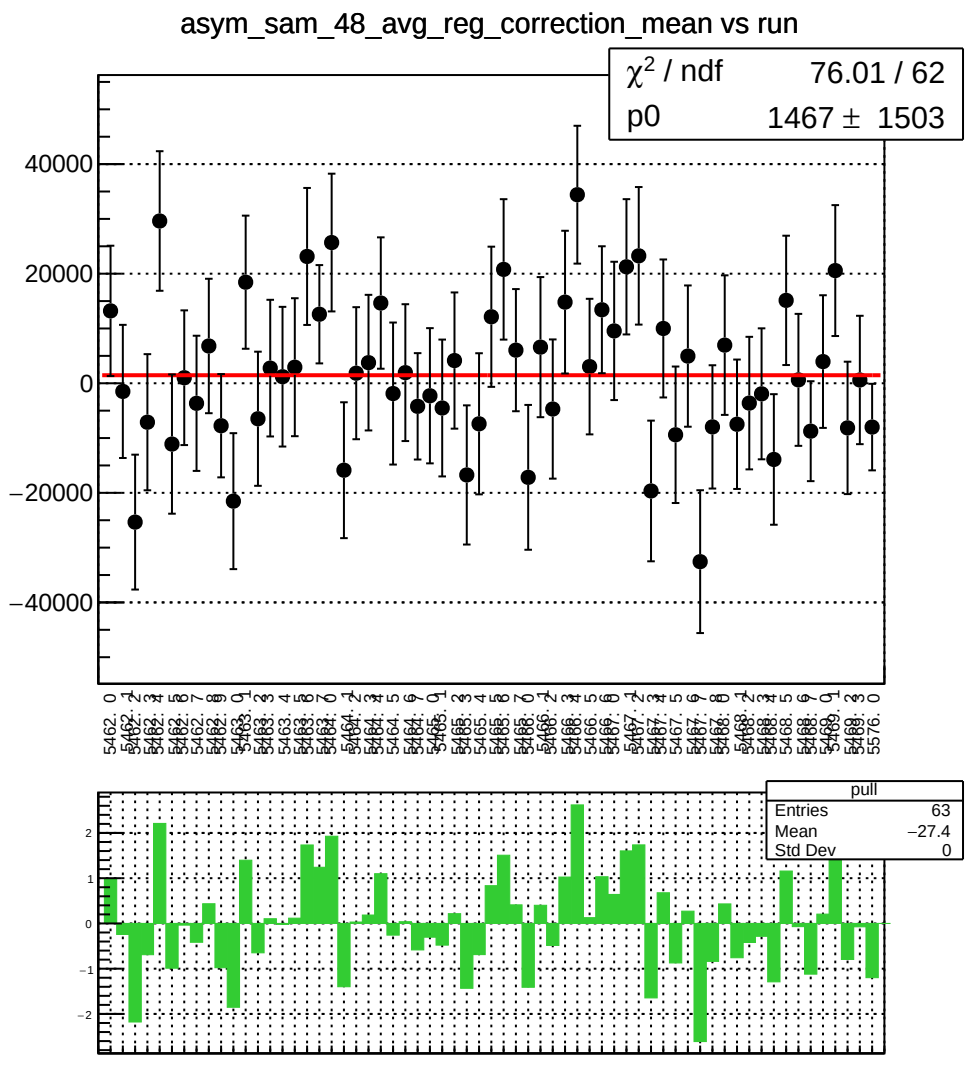

pull1D
Entries 63
Mean 0.05676
Std Dev 0.9277

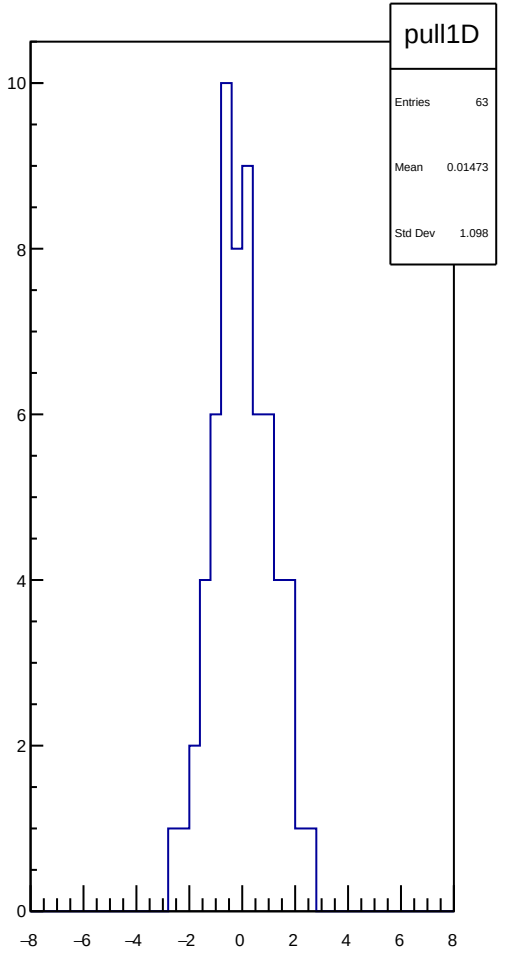

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.359e+05 / 62
p0 2.821e−11 ± 3.205e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

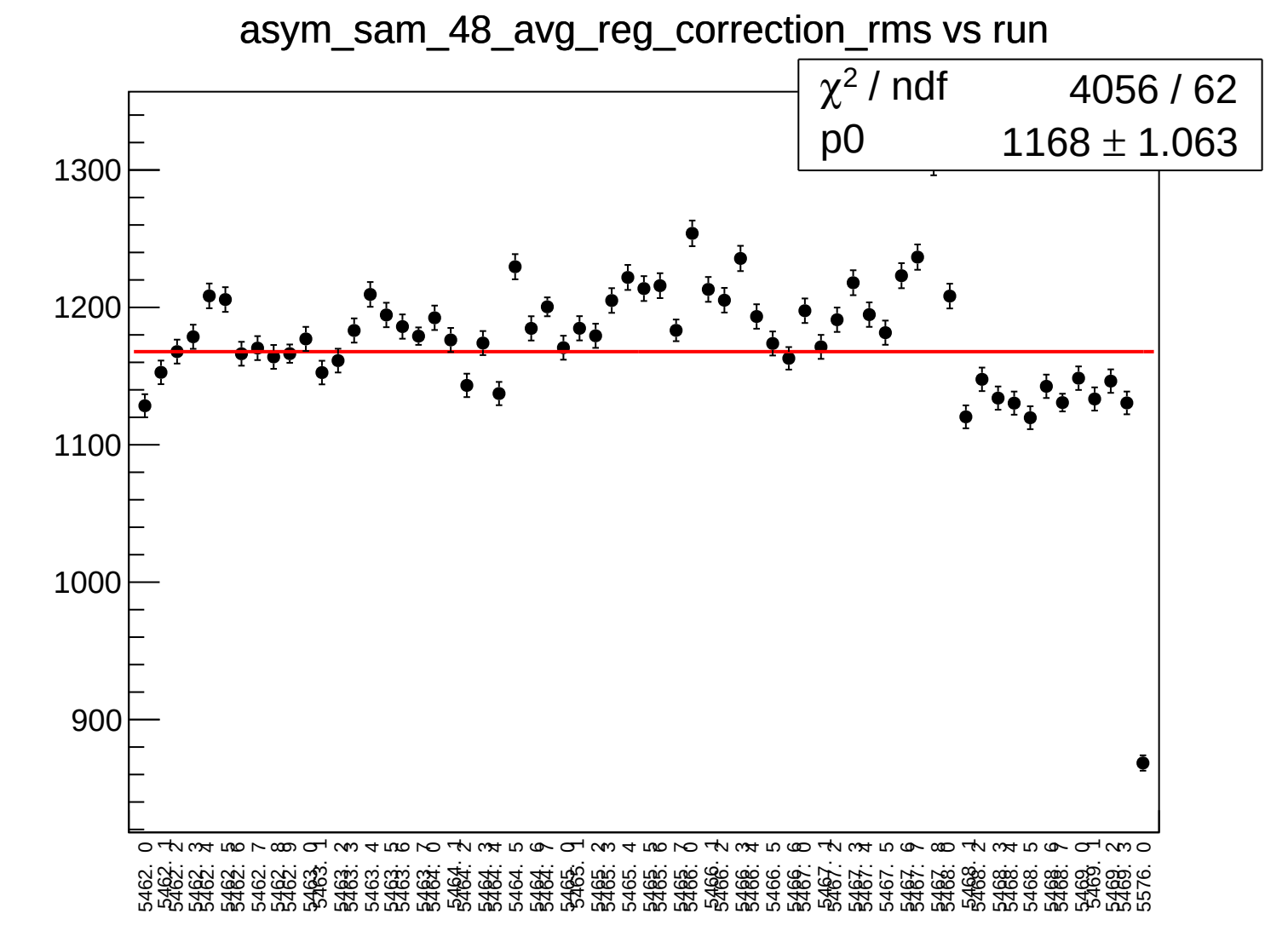

reg_asym_sam_48_avg_mean vs run
χ² / ndf 67.8 / 62
p0 172.4 ± 246.4
pull
Entries 63
Mean 679.4
Std Dev 0

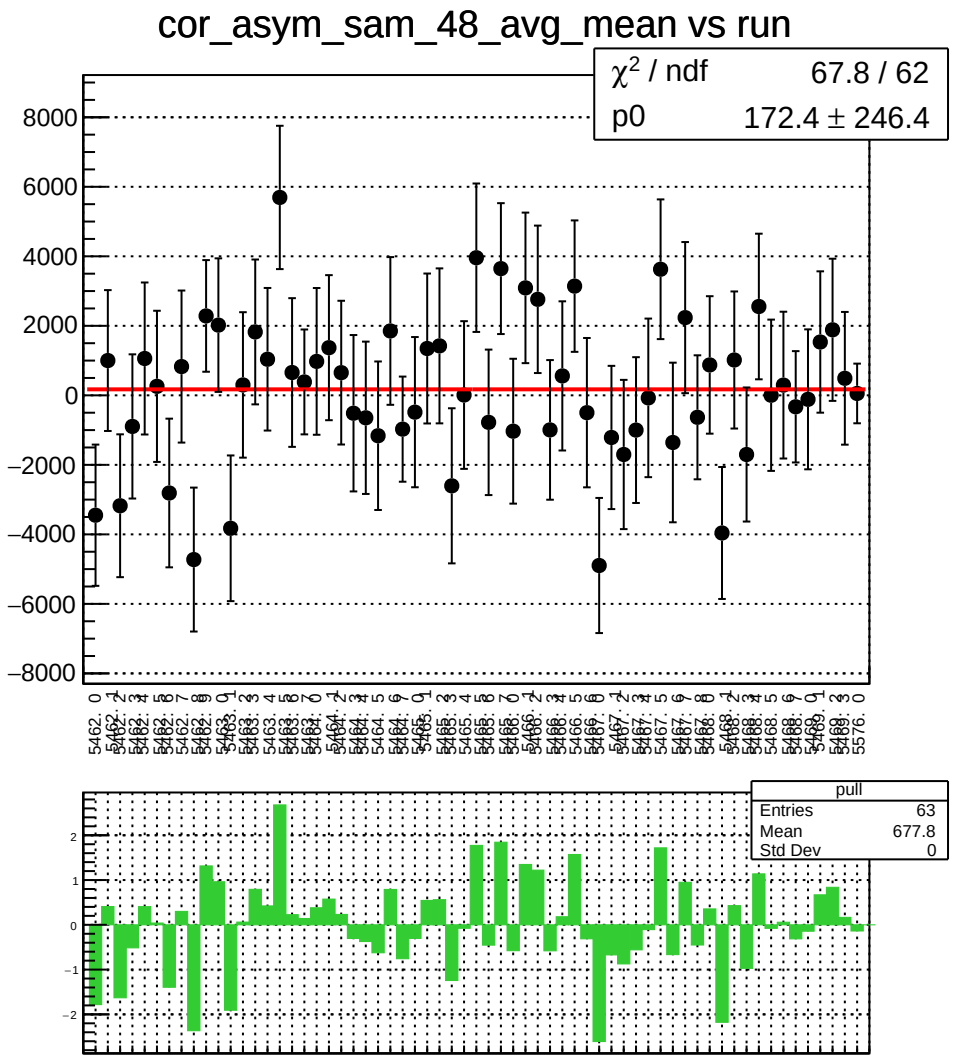

pull1D
Entries 63
Mean 0.002168
Std Dev 1.037

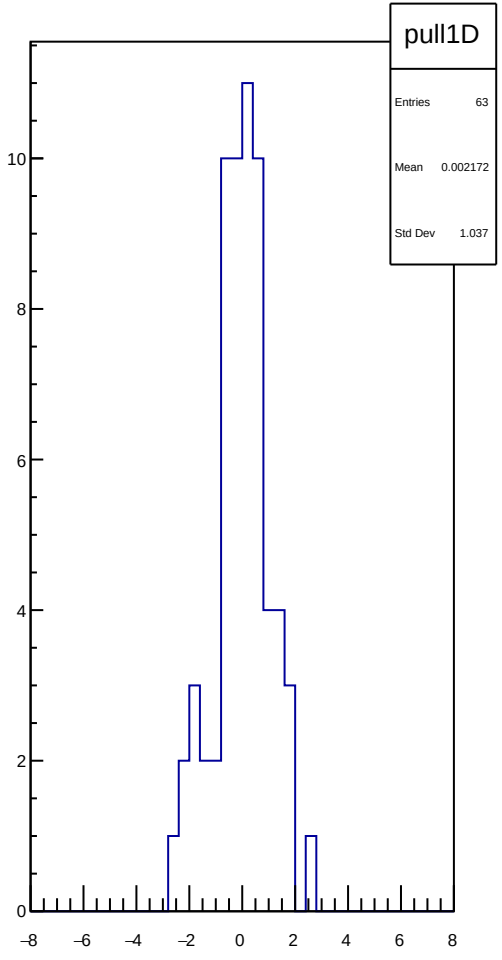

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2.902e+04 / 62
p0 189.4 ± 0.1743
220
200
180
160
140
120
100

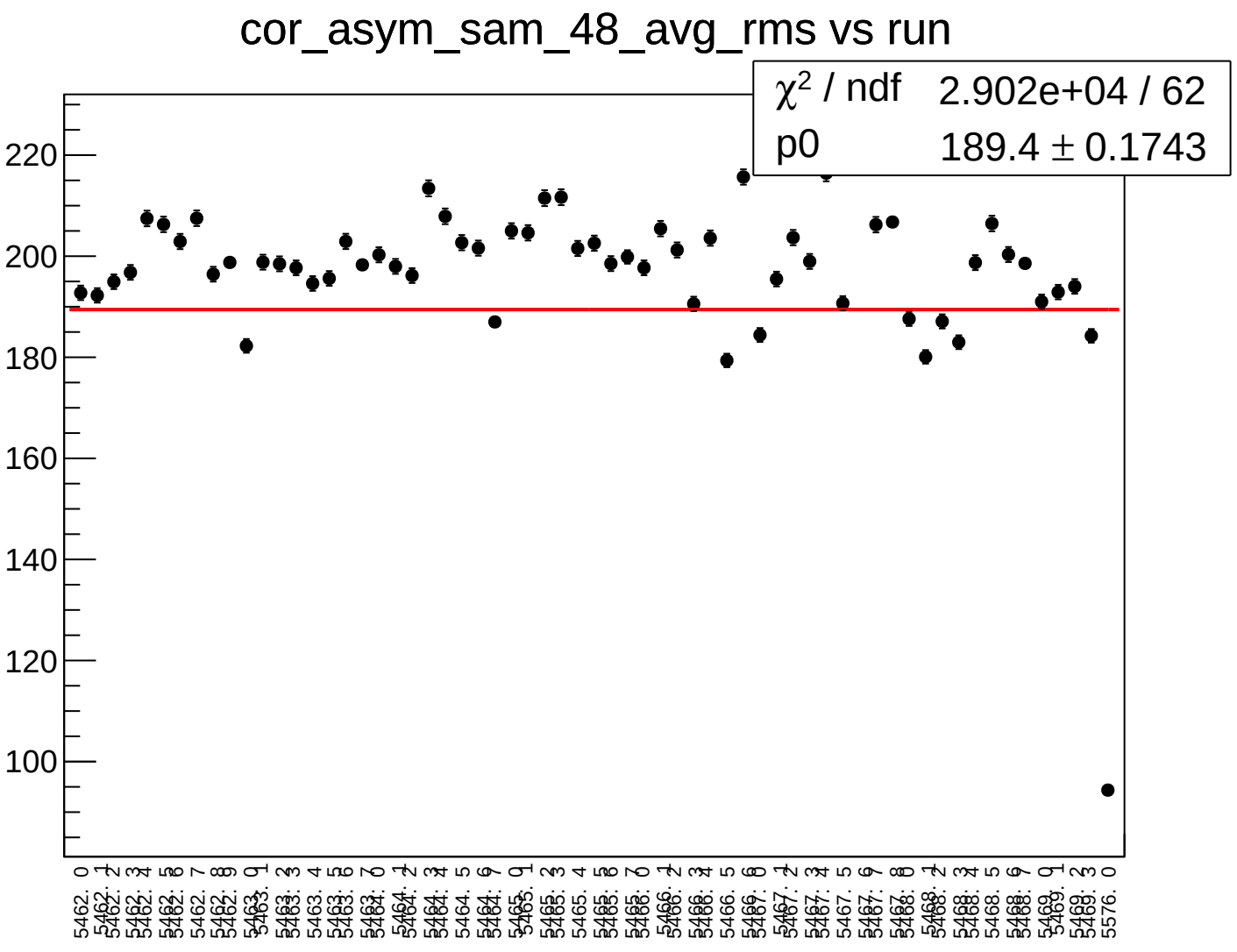

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 76.01 / 62
p0 1467 ± 1503
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −27.4
Std Dev 0
2
1
0
−1
−2

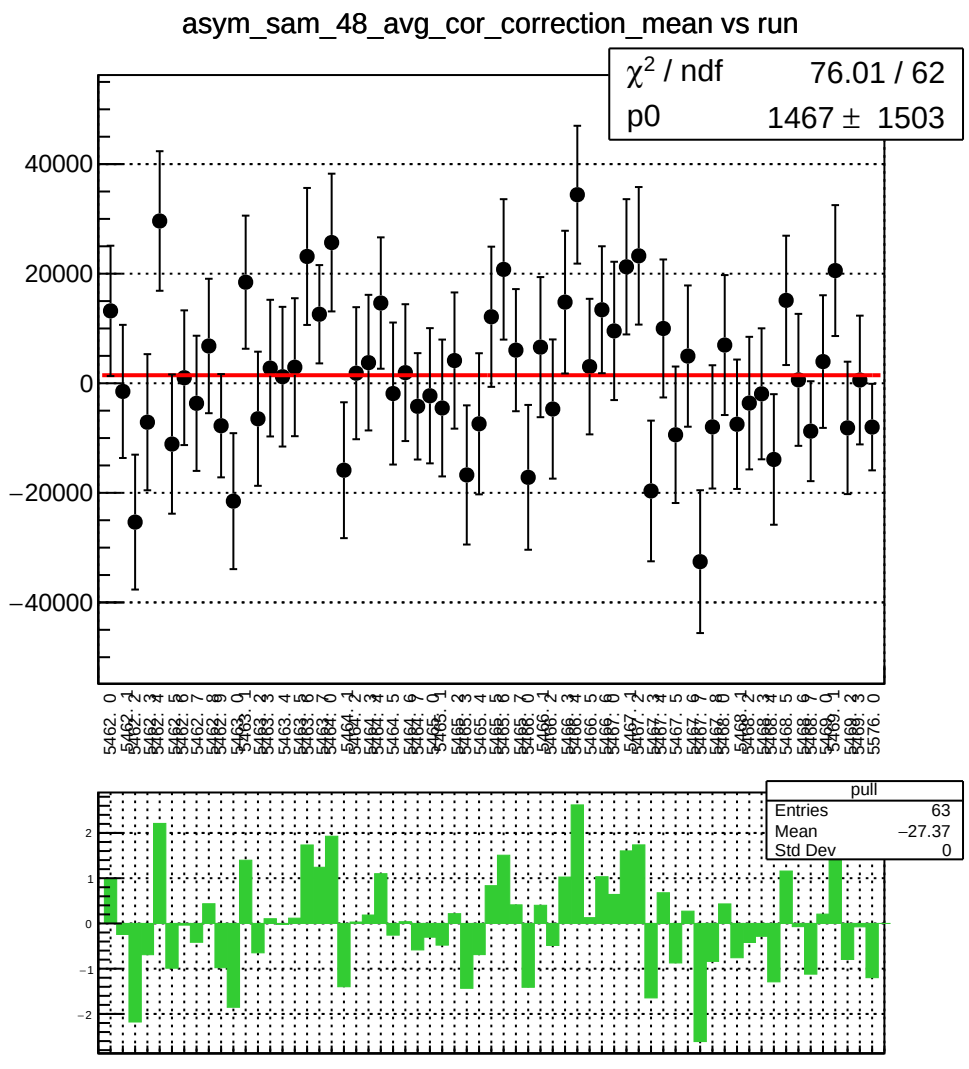

pull1D
Entries 63
Mean 0.01473
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

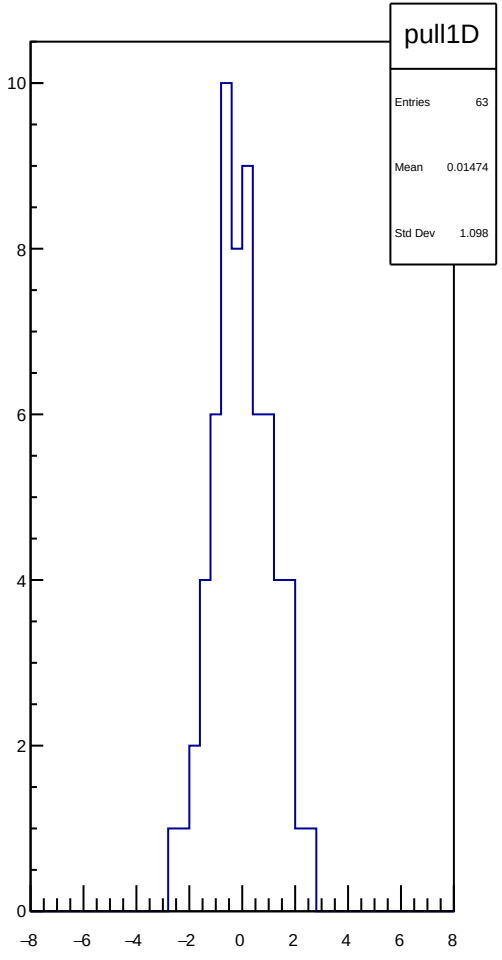

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 4056 / 62
p0 1168 ± 1.063
1300
1200
1100
1000
900

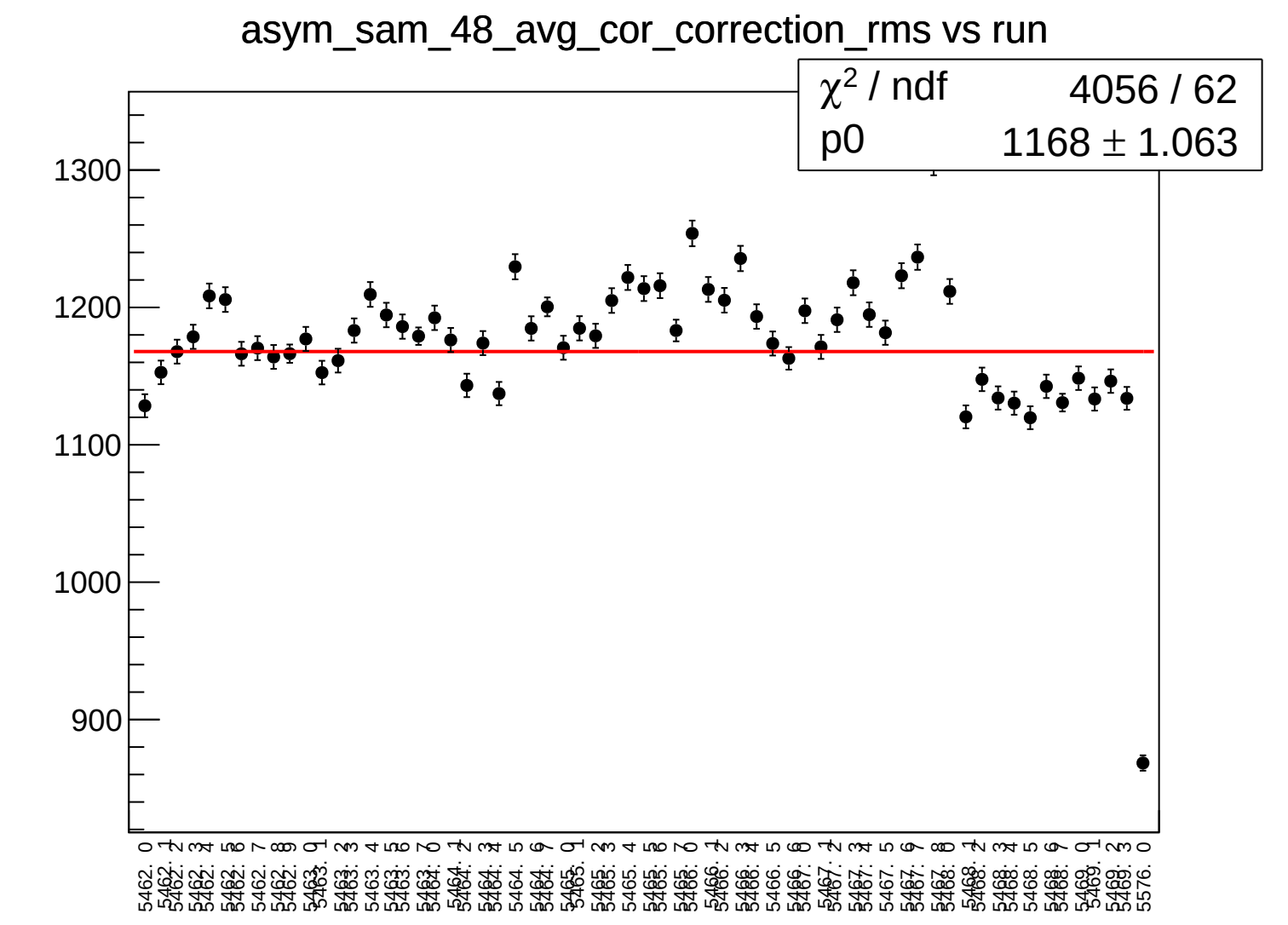

cor_asym_sam_48_avg_mean vs run
χ² / ndf 67.8 / 62
p0 172.4 ± 246.4
pull
Entries 63
Mean 677.8
Std Dev 0

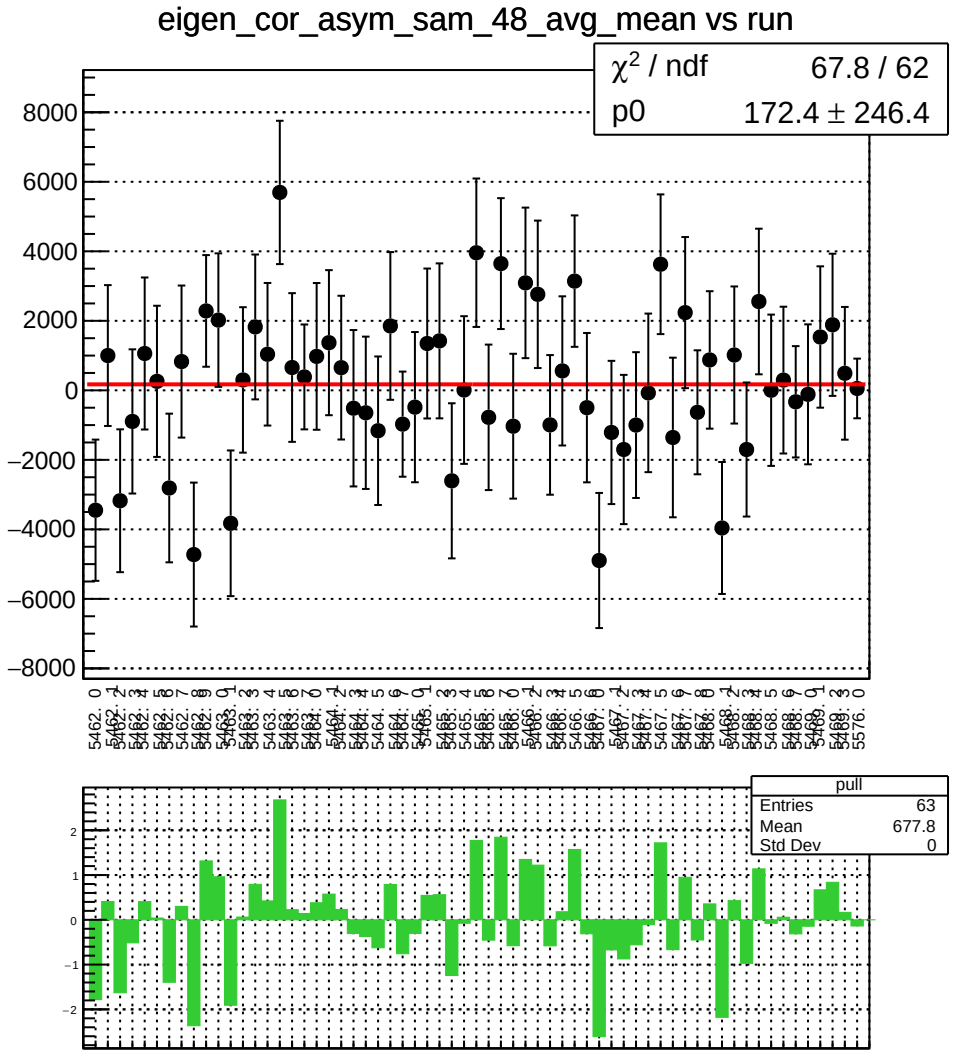

pull1D
Entries 63
Mean 0.002172
Std Dev 1.037

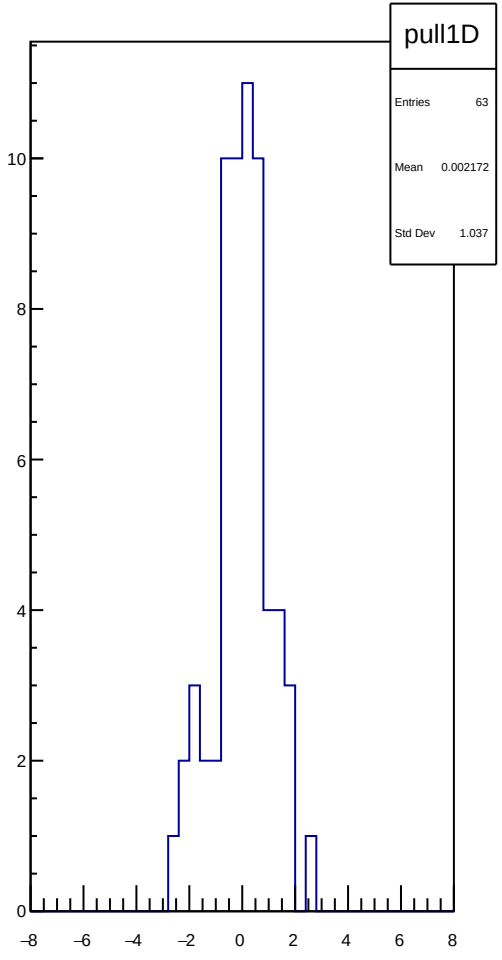

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2.902e+04 / 62
p0 189.4 ± 0.1743
220
200
180
160
140
120
100

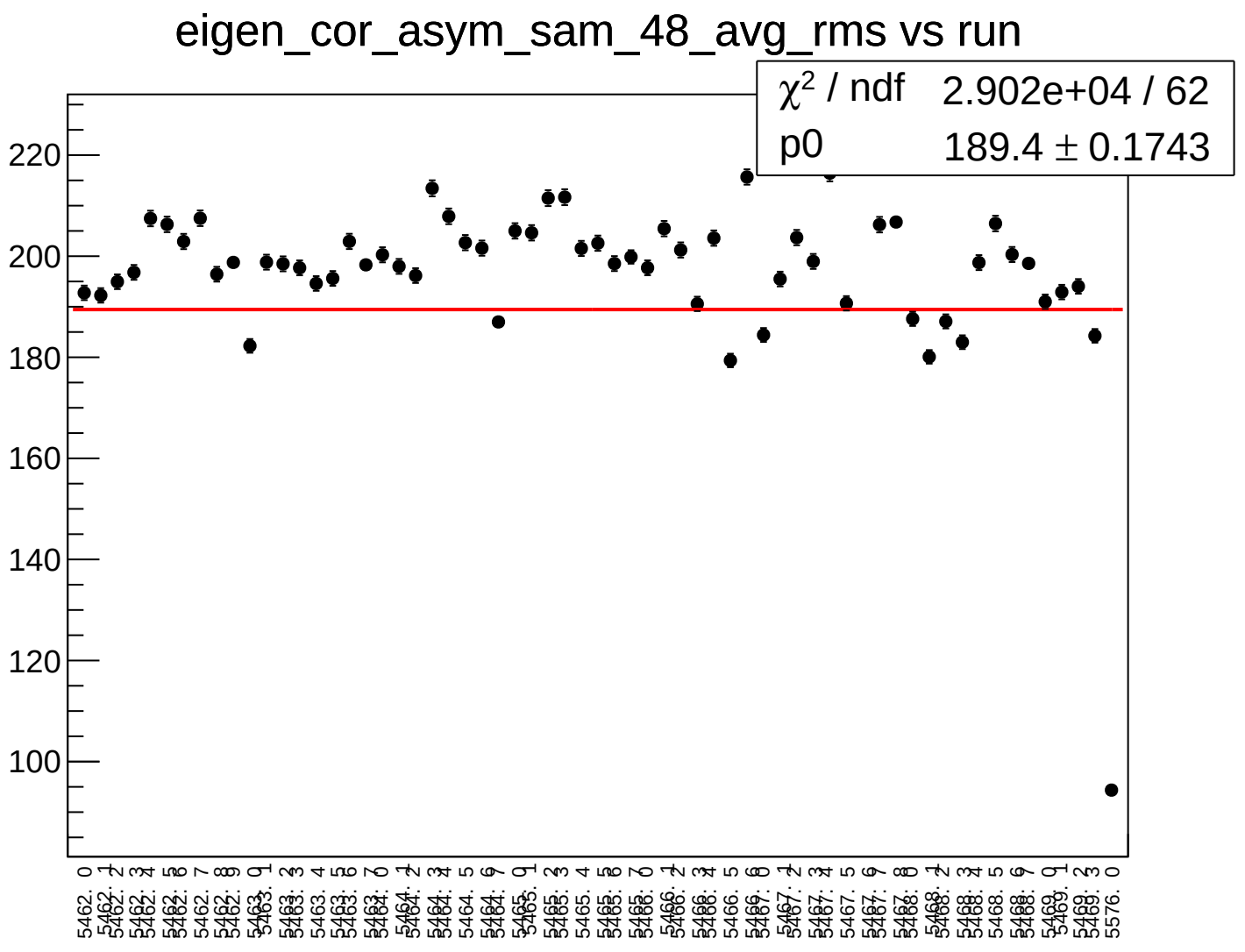

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 76.01 / 62
p0 1467 ± 1503
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −27.37
Std Dev 0
2
1
0
−1
−2

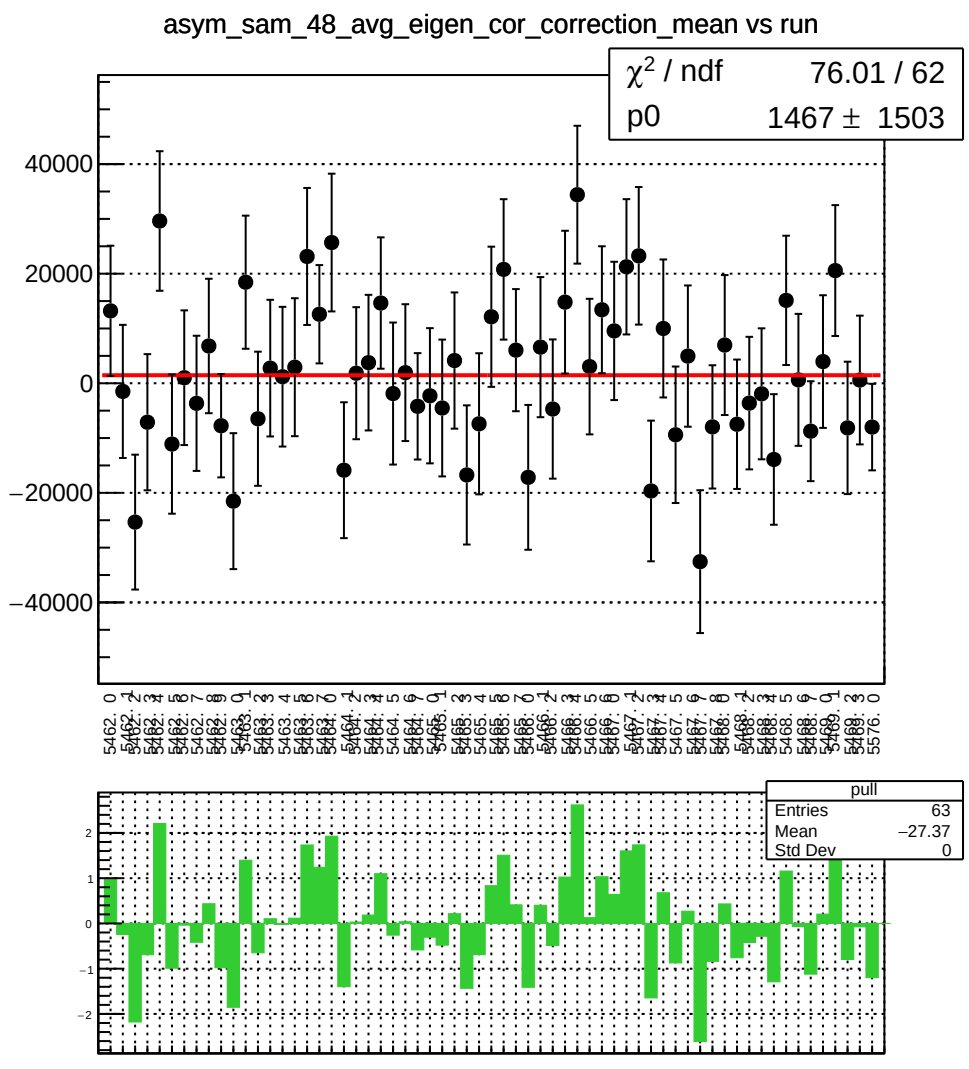

pull1D
Entries 63
Mean 0.01474
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

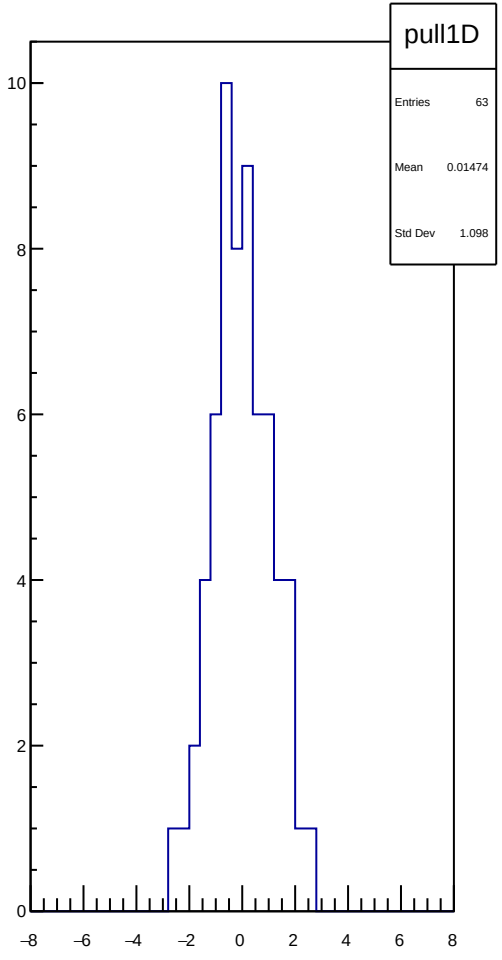

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 4056 / 62
p0 1168 ± 1.063
1300
1200
1100
1000
900

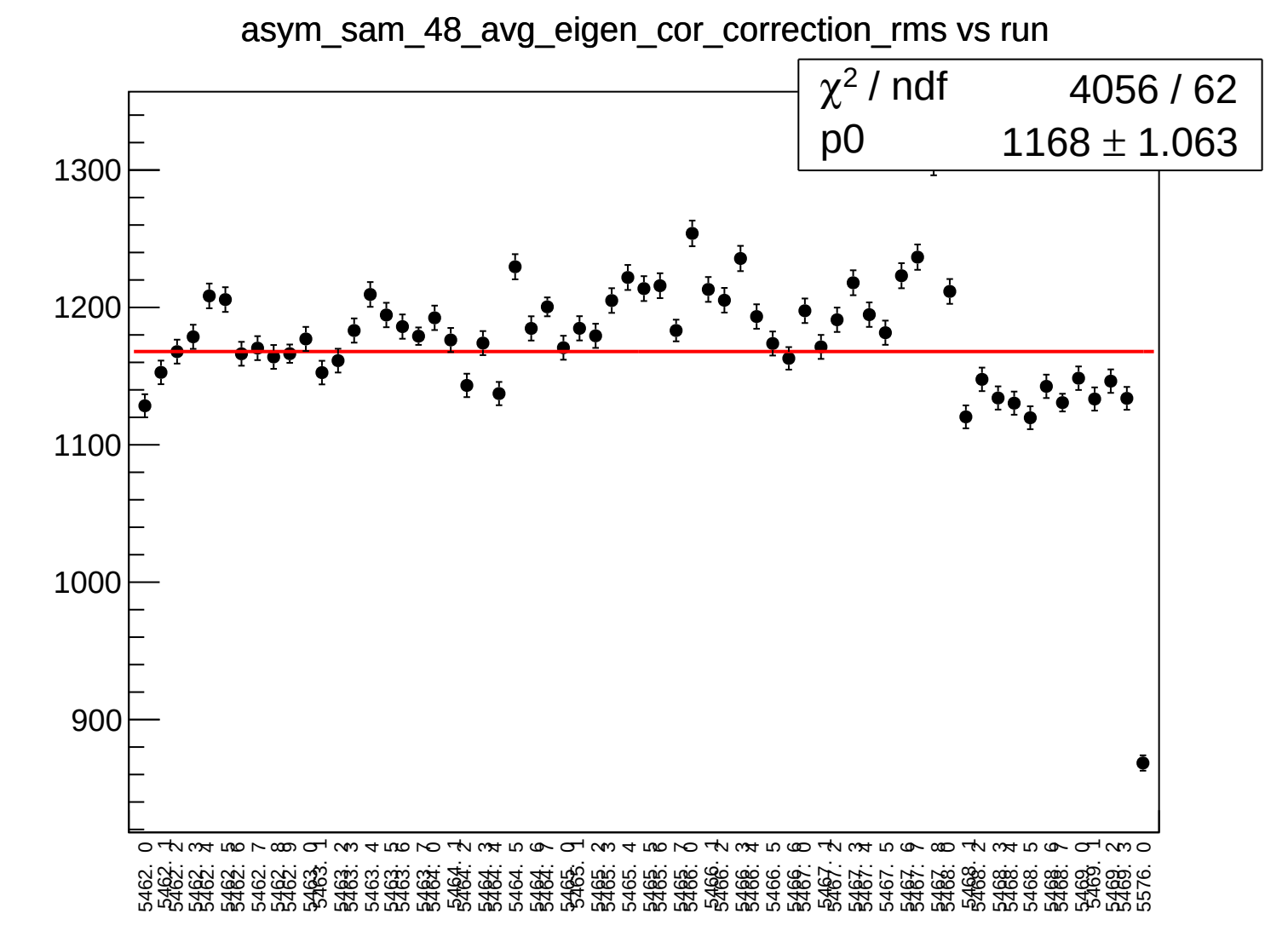

eigen_cor_asym_sam_48_avg_mean vs run
χ^2 / ndf 67.8 / 62
p0 172.4 ± 246.4
pull
Entries 63
Mean 677.8
Std Dev 0

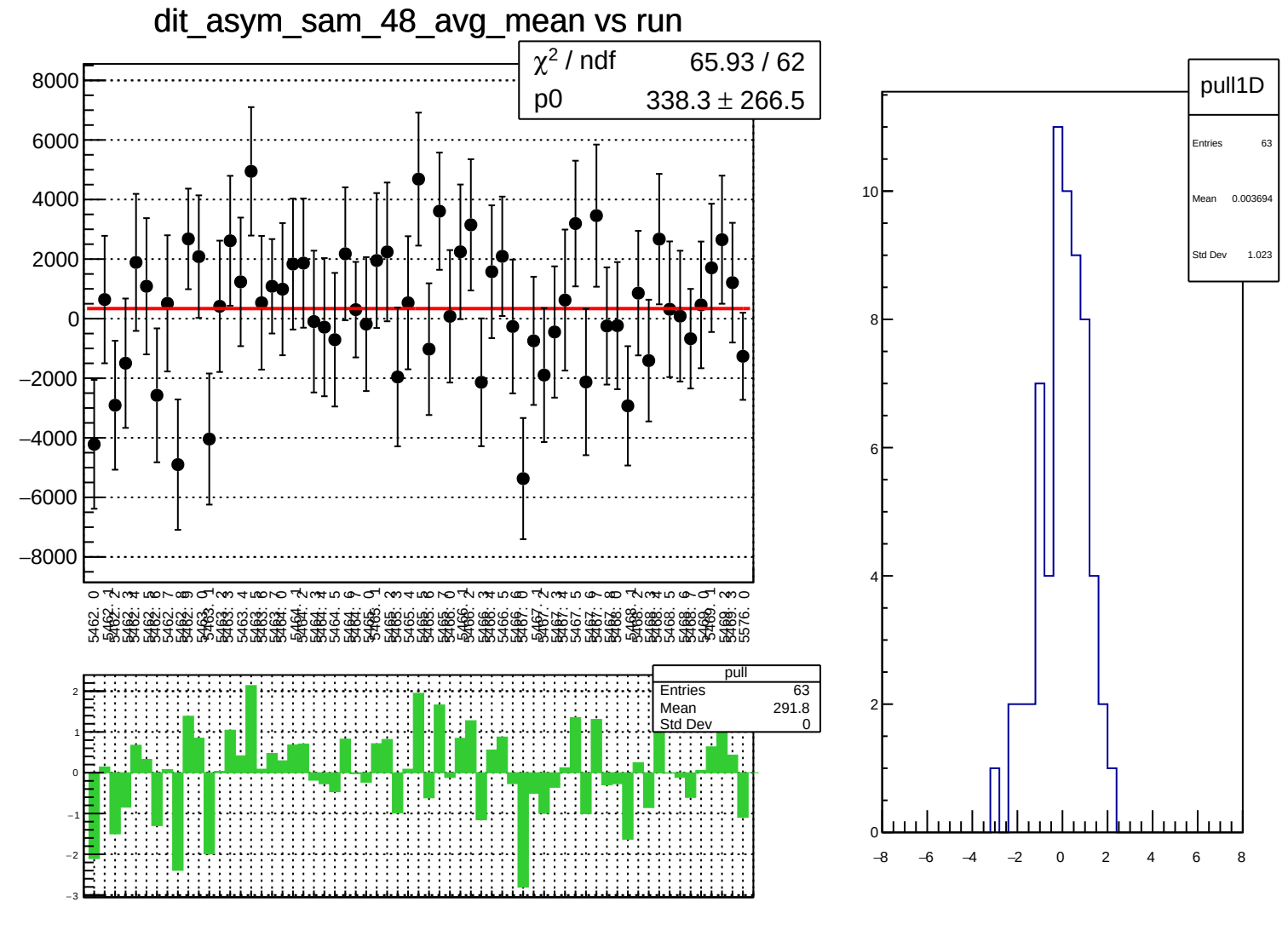

pull1D
Entries 63
Mean 0.002172
Std Dev 1.037

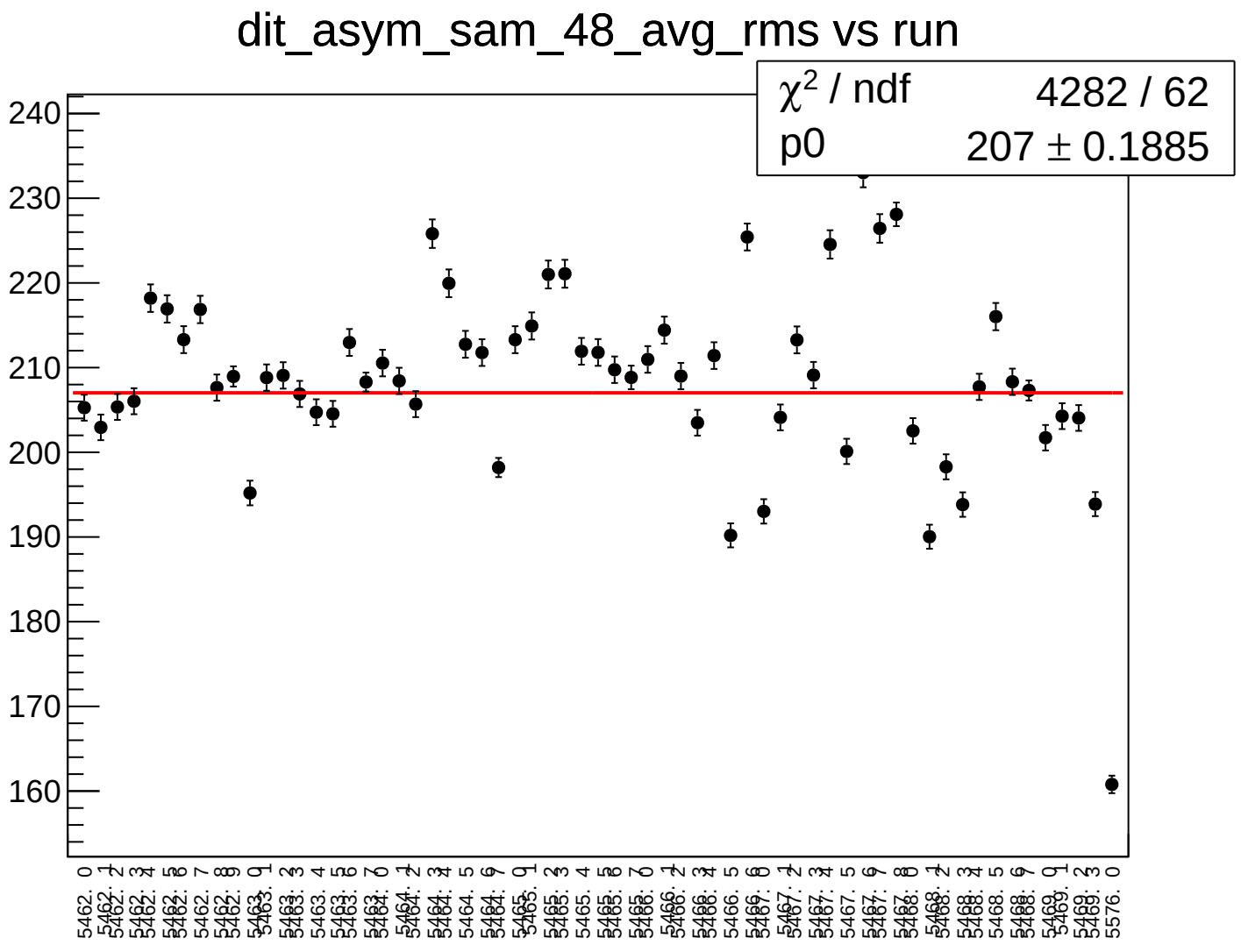

eigen_cor_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.902e+04 / 62
p0 189.4 ± 0.1743
220
200
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

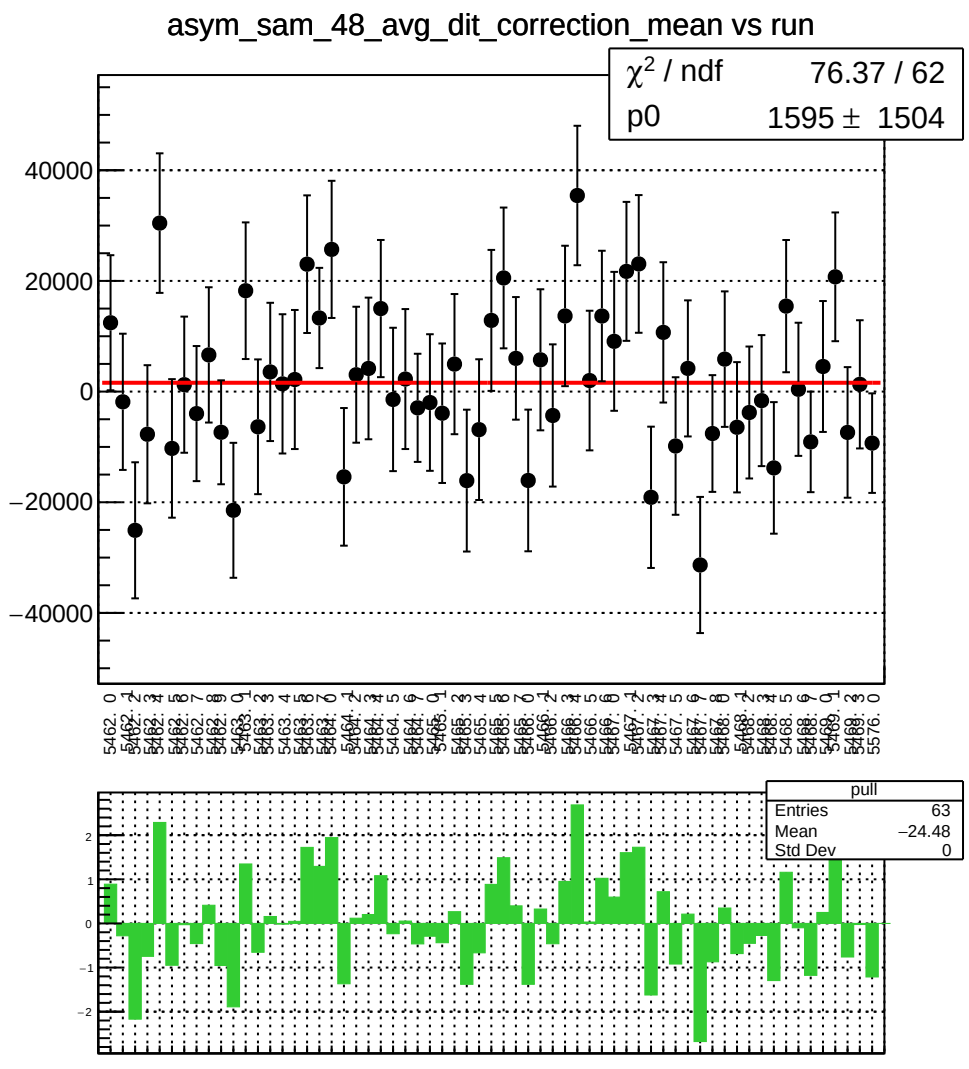

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.01 / 62
p0 1467 ± 1503
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −27.37
Std Dev 0
2
1
0
−1
−2

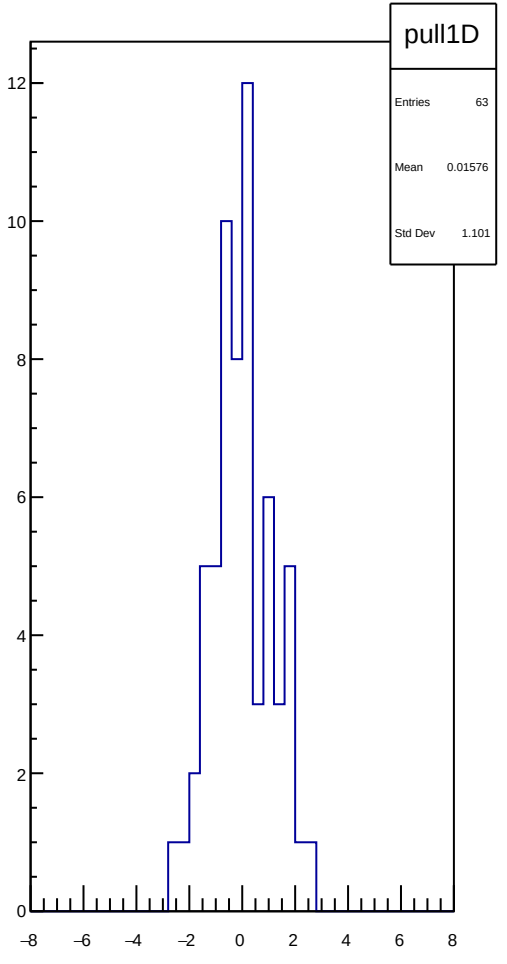

pull1D
Entries 63
Mean 0.01474
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

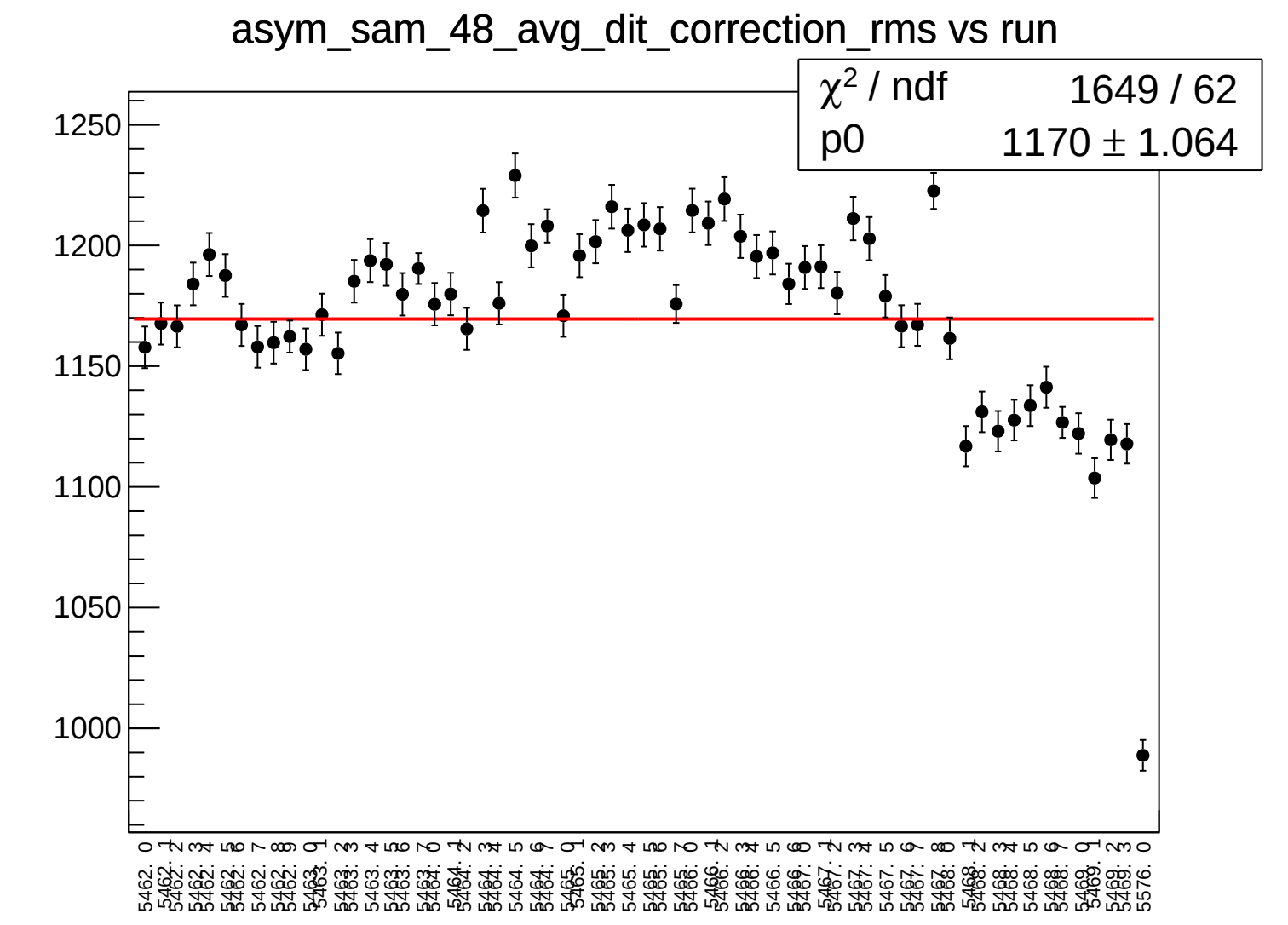

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 4056 / 62
p0 1168 ± 1.063
1300
1200
1100
1000
900

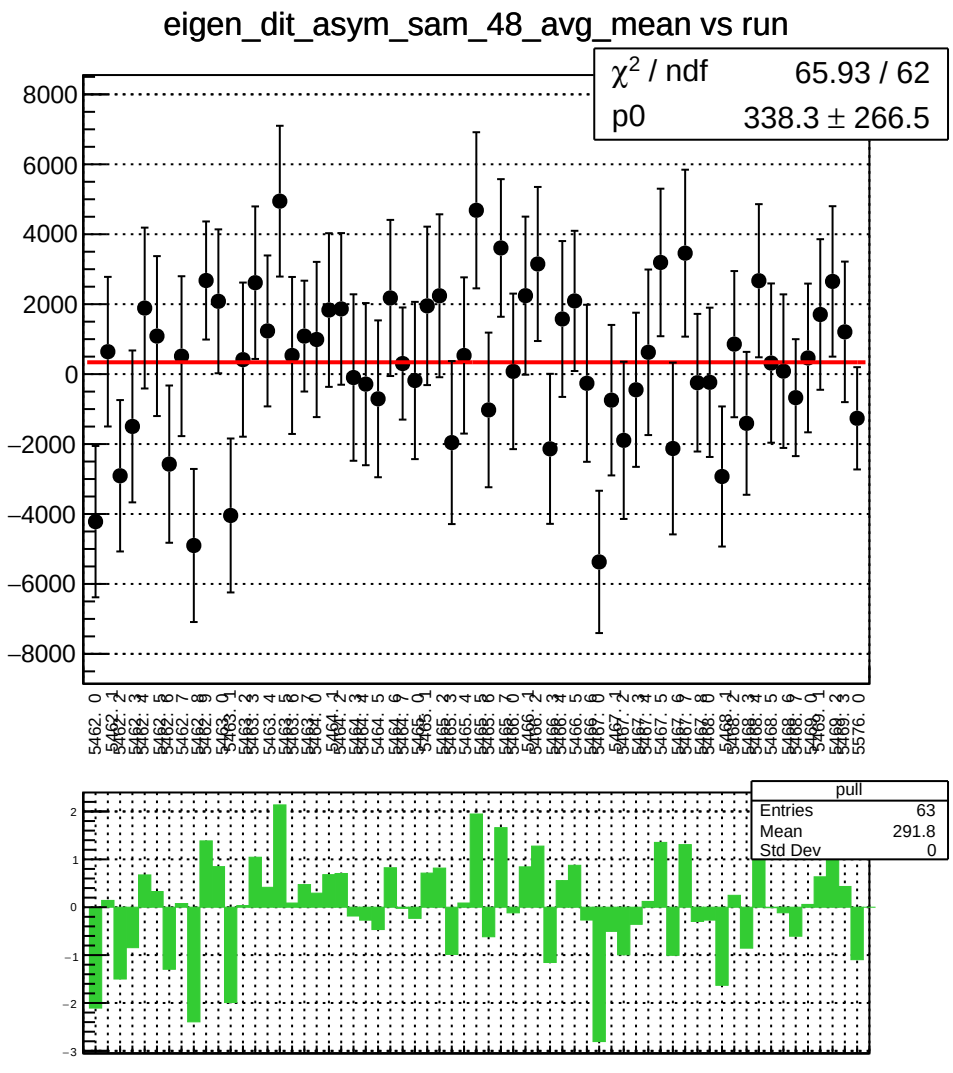

dit_asym_sam_48_avg_mean vs run
χ² / ndf 65.93 / 62
p0 338.3 ± 266.5
pull
Entries 63
Mean 291.8
Std Dev 0
pull1D
Entries 63
Mean 0.003694
Std Dev 1.023

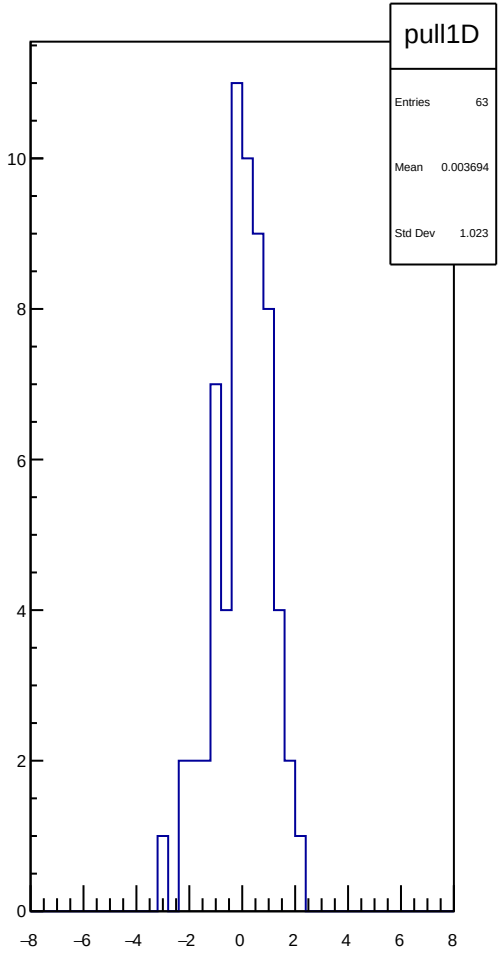

dit_asym_sam_48_avg_rms vs run
χ² / ndf 4282 / 62
p0 207 ± 0.1885
240
230
220
210
200
190
180
170
160

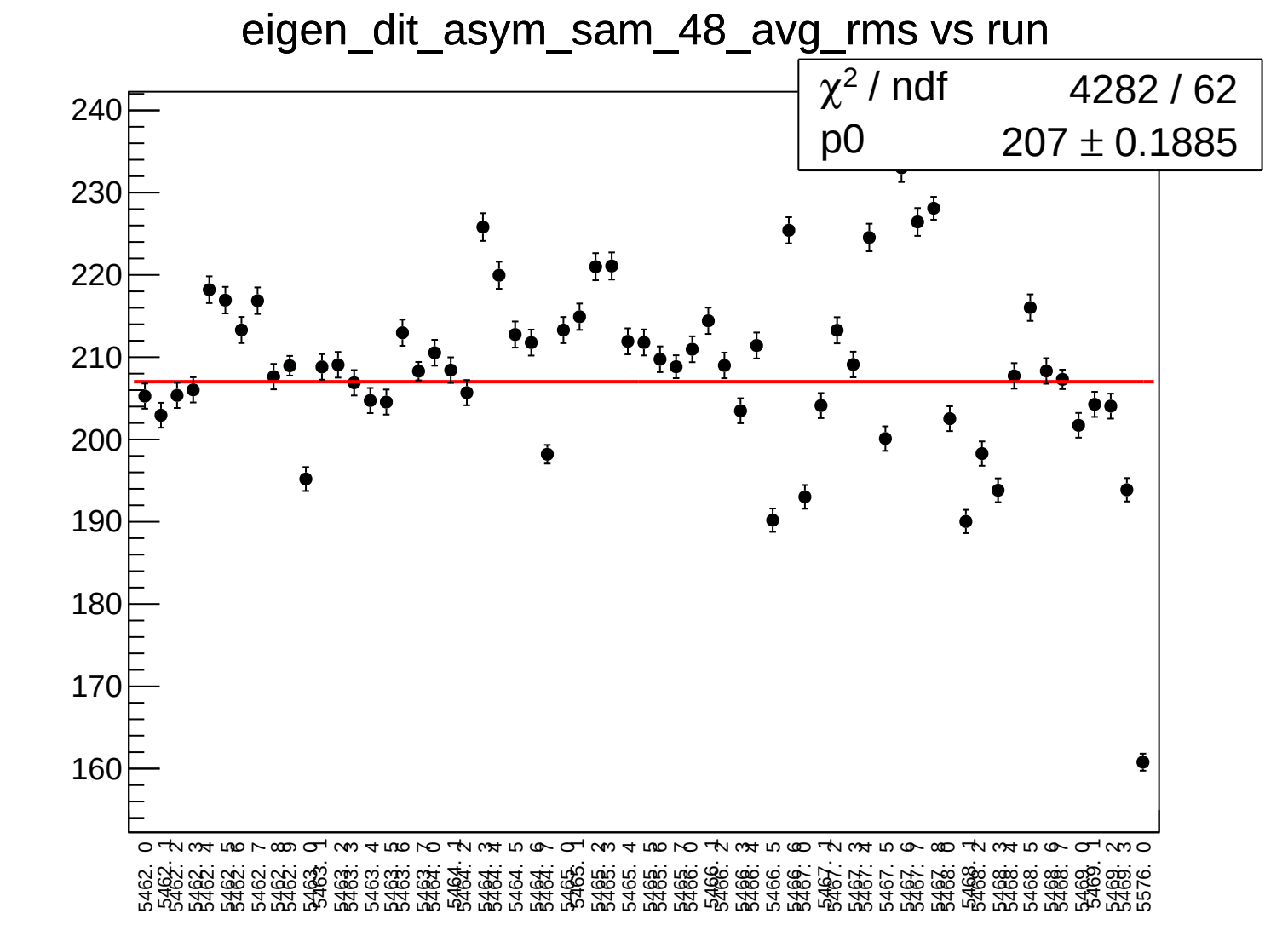

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 76.37 / 62
p0 1595 ± 1504
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −24.48
Std Dev 0
2
1
0
−1
−2

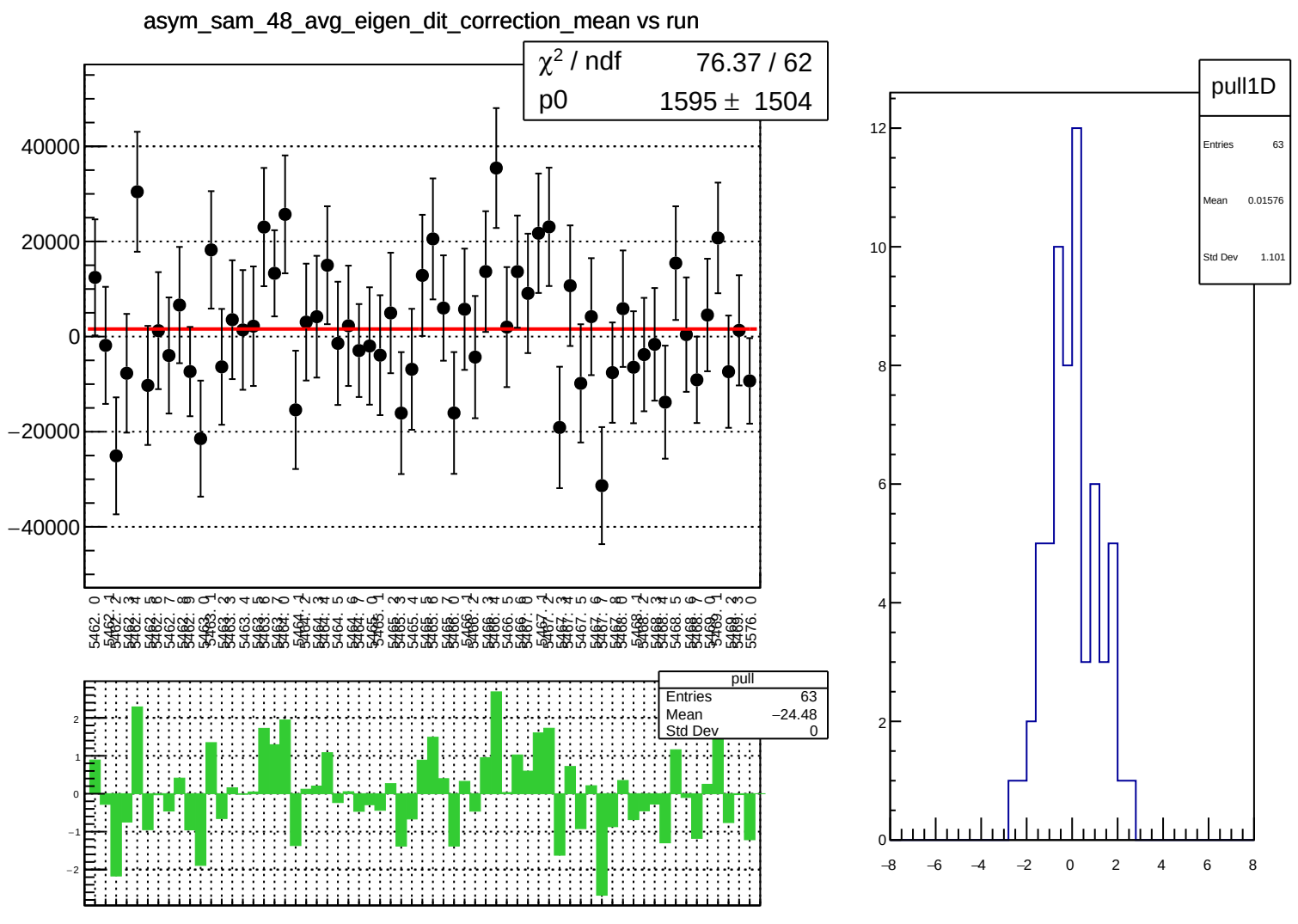

pull1D
Entries 63
Mean 0.01576
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

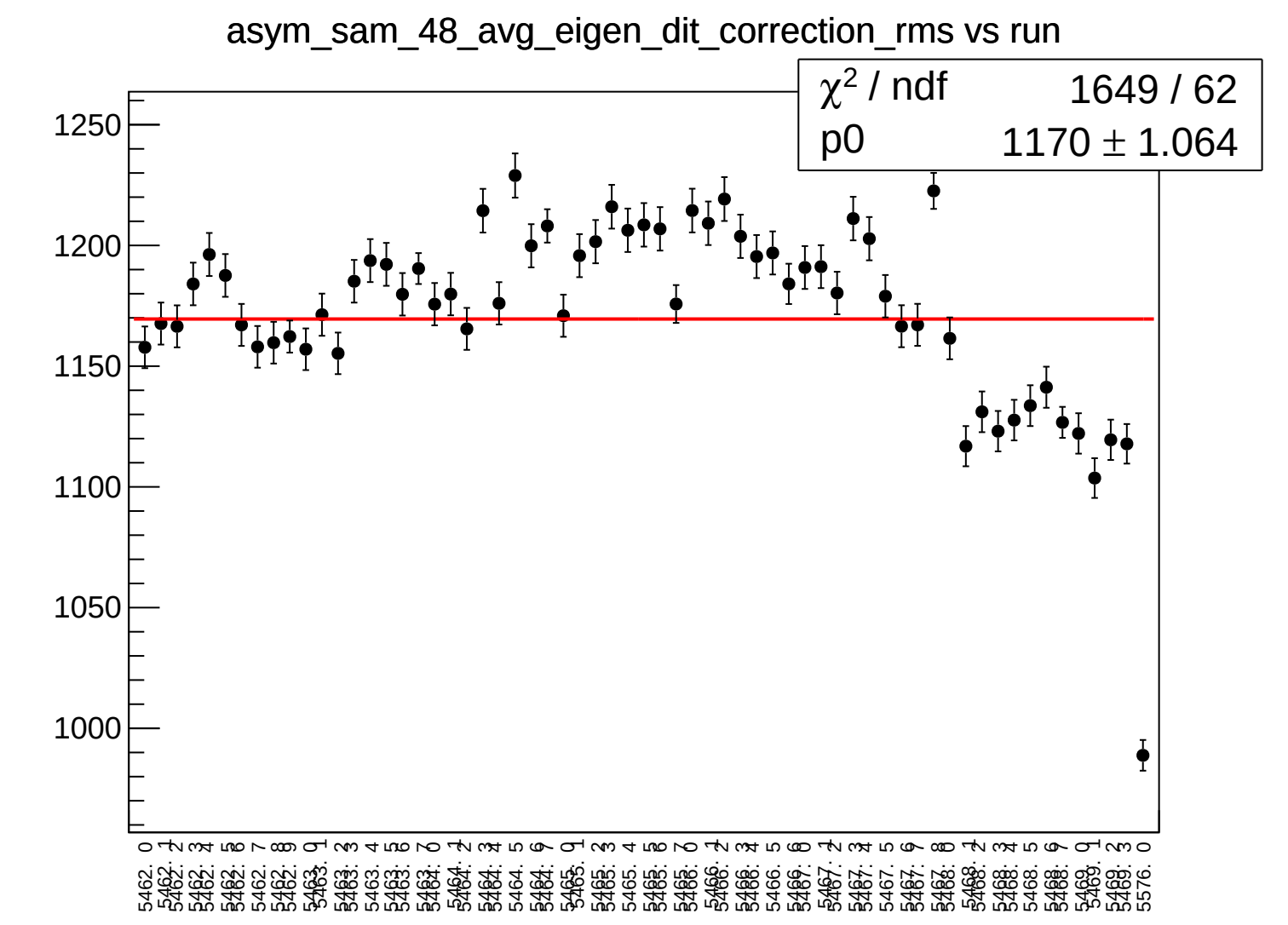

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1649 / 62
p0 1170 ± 1.064
1250
1200
1150
1100
1050
1000

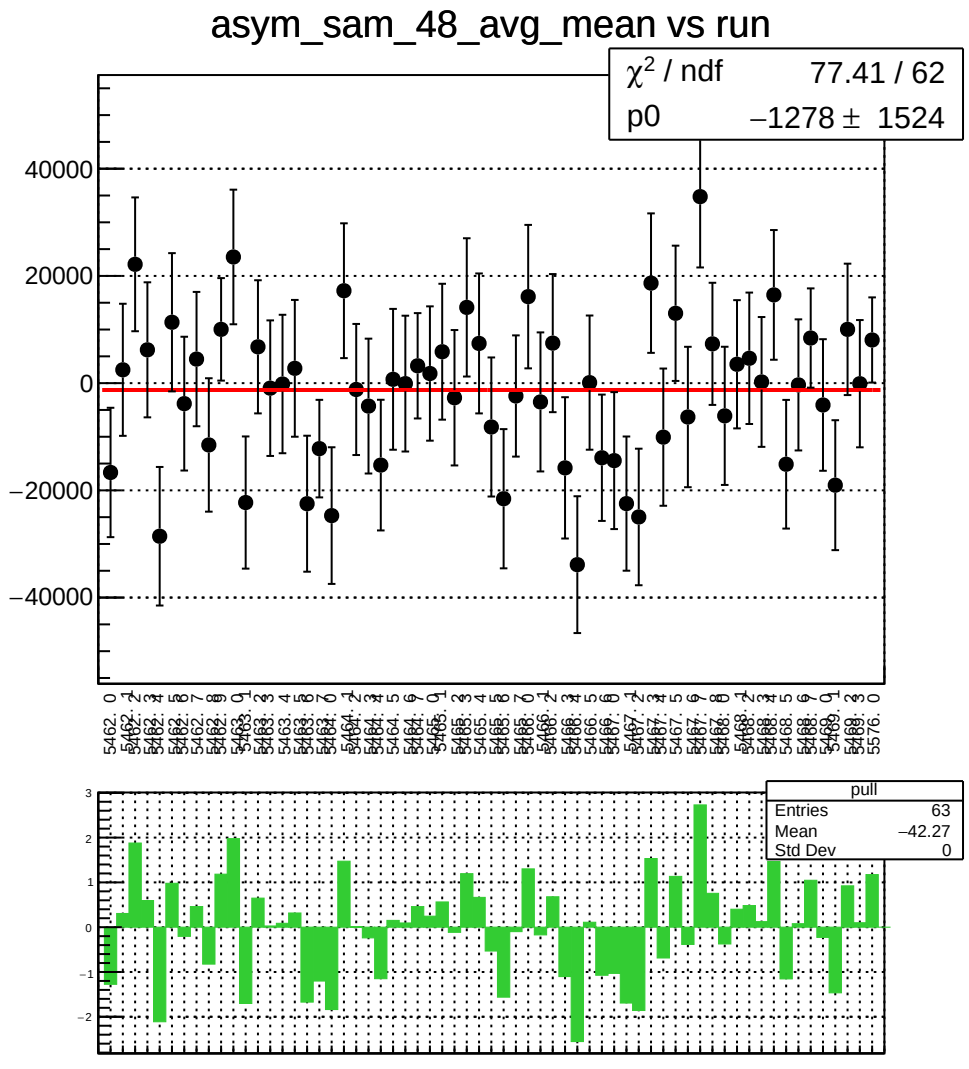

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 65.93 / 62
p0 338.3 ± 266.5
pull
Entries 63
Mean 291.8
Std Dev 0

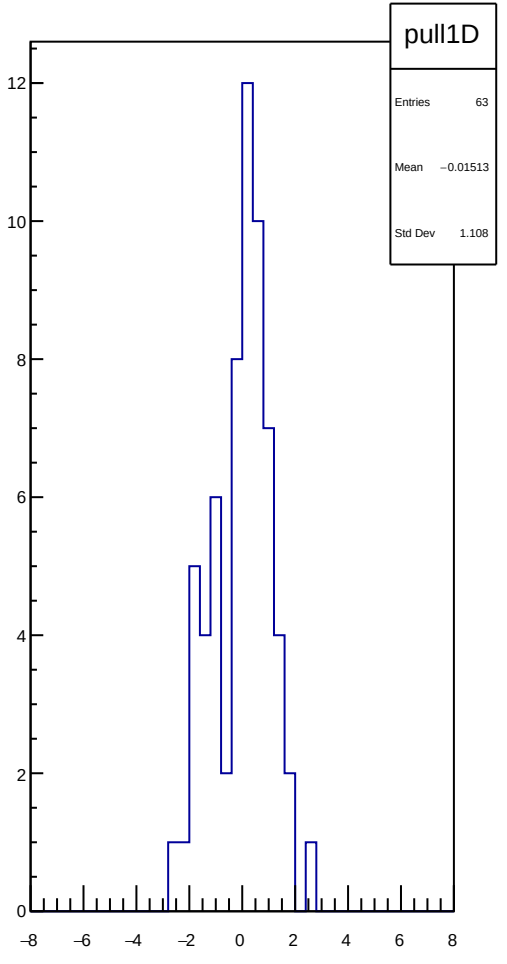

pull1D
Entries 63
Mean 0.003694
Std Dev 1.023

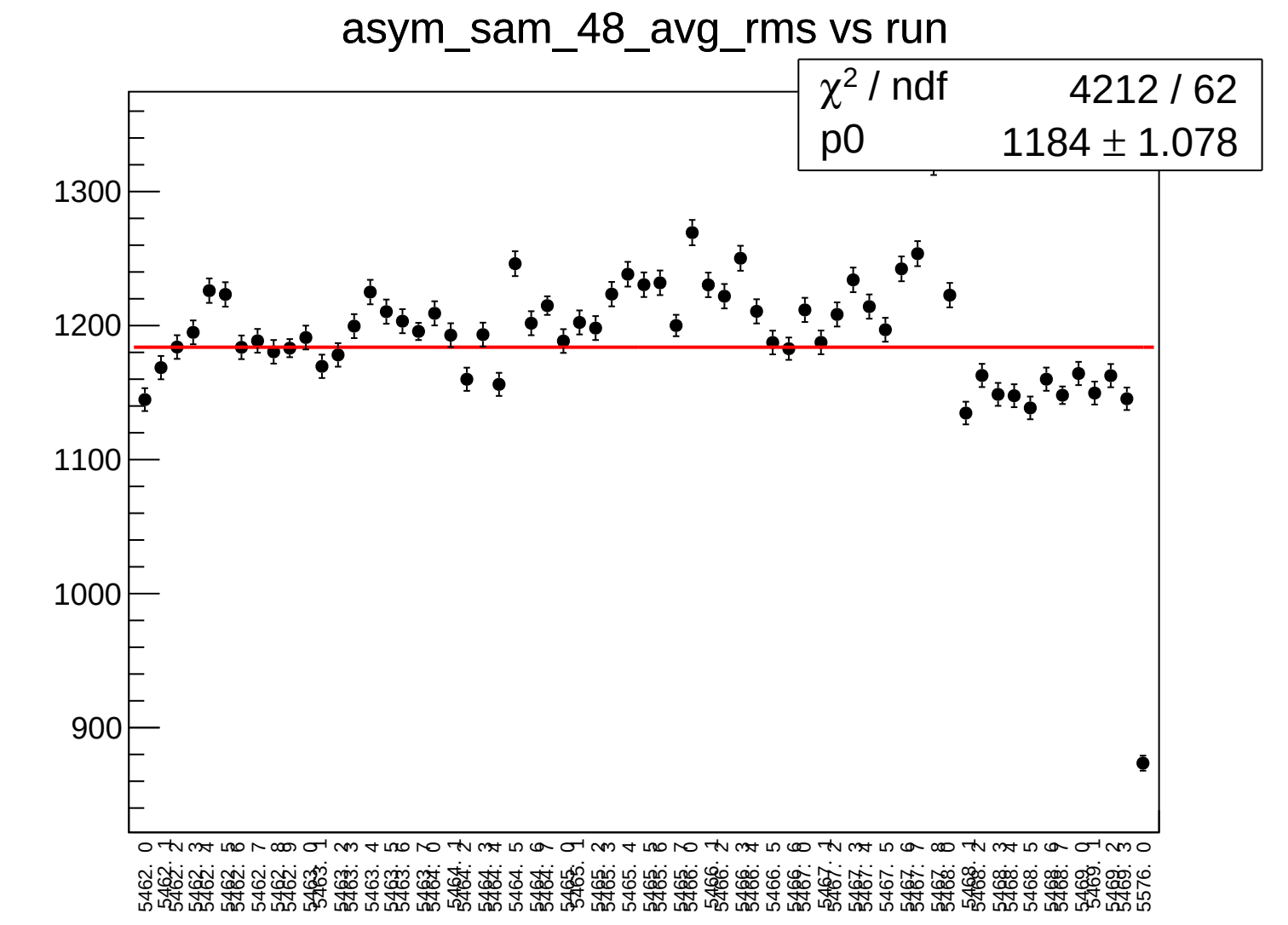

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 4282 / 62
p0 207 ± 0.1885
240
230
220
210
200
190
180
170
160

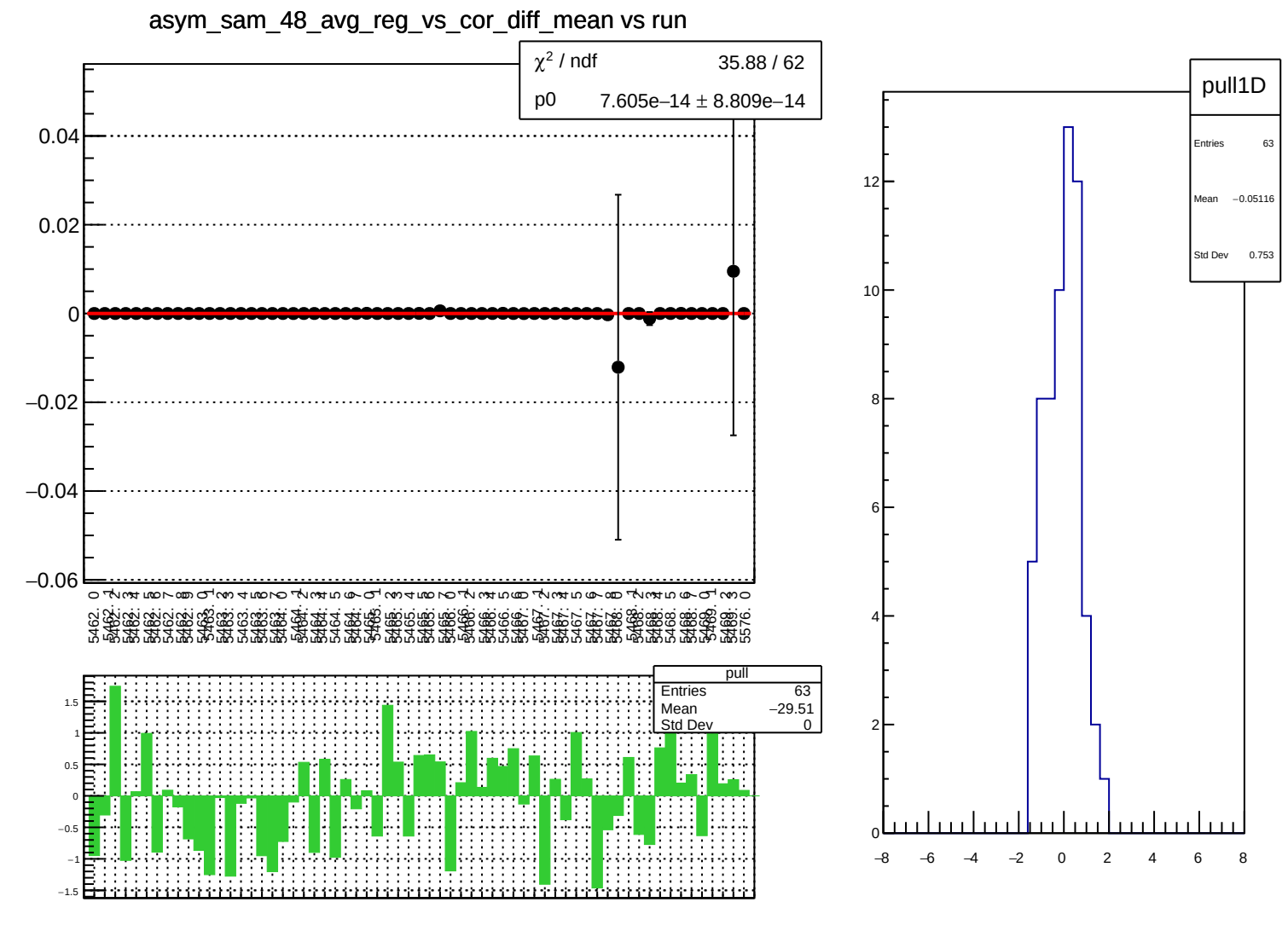

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.37 / 62
p0 1595 ± 1504
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −24.48
Std Dev 0
pull1D
Entries 63
Mean 0.01576
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

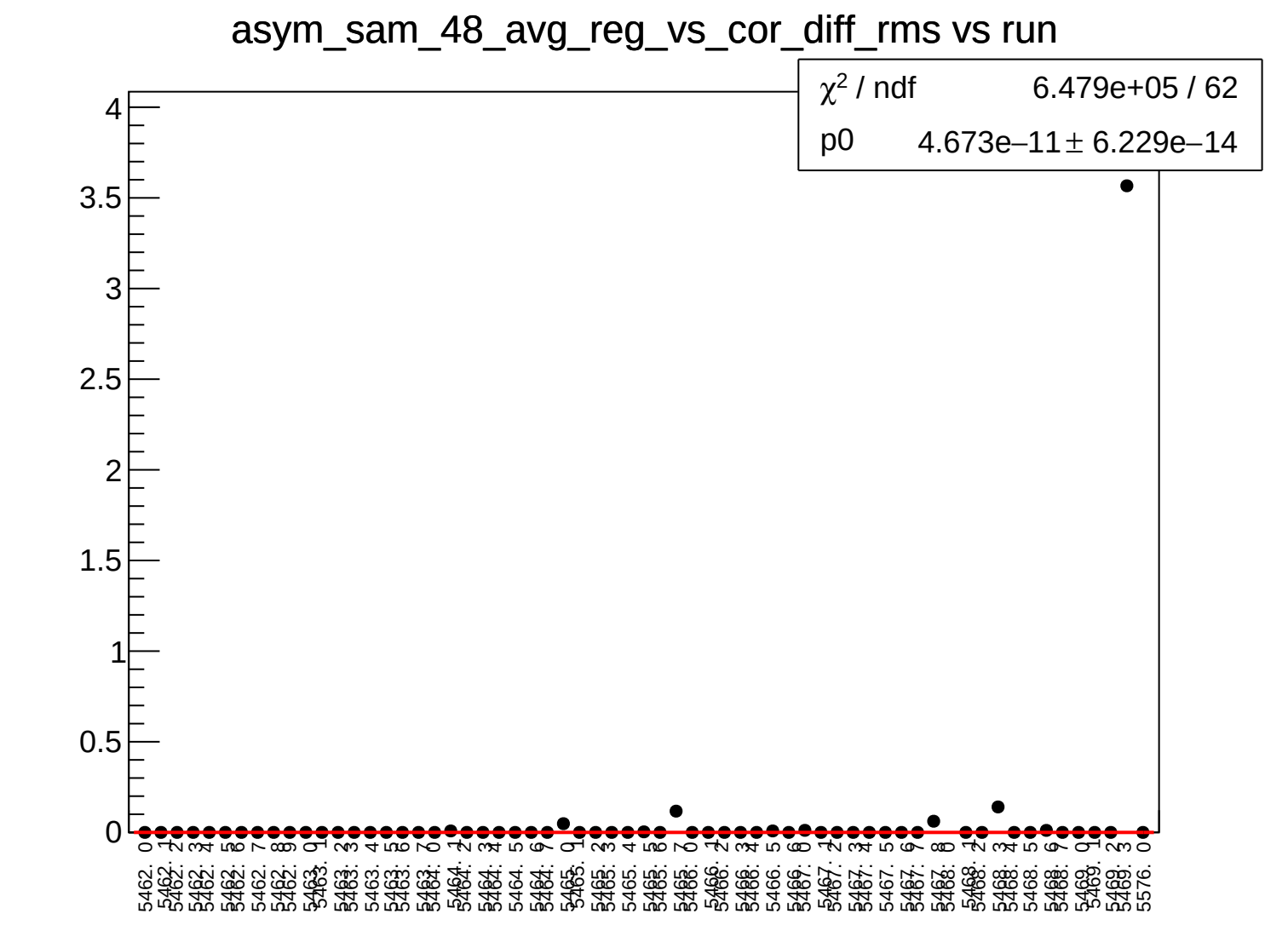

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1649 / 62
p0 1170 ± 1.064
1250
1200
1150
1100
1050
1000

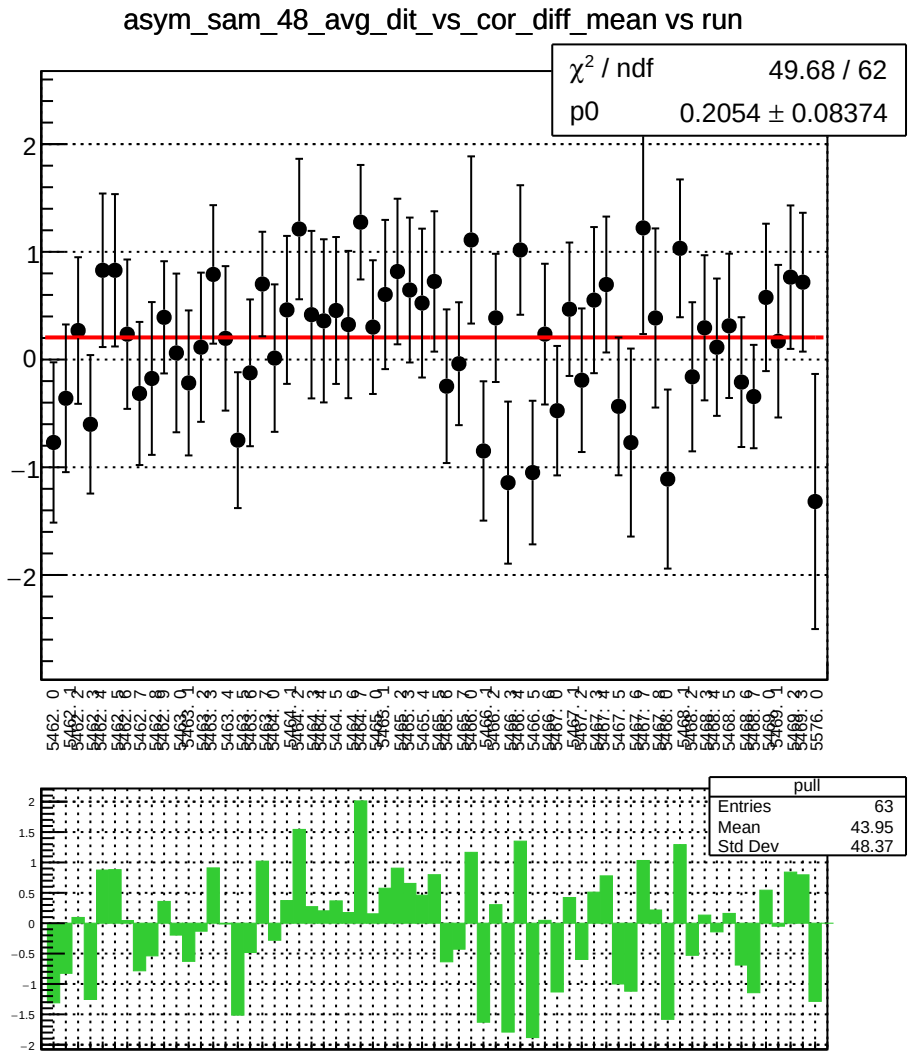

asym_sam_48_avg_mean vs run
χ² / ndf 77.41 / 62
p0 −1278 ± 1524
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −42.27
Std Dev 0
3
2
1
0
−1
−2

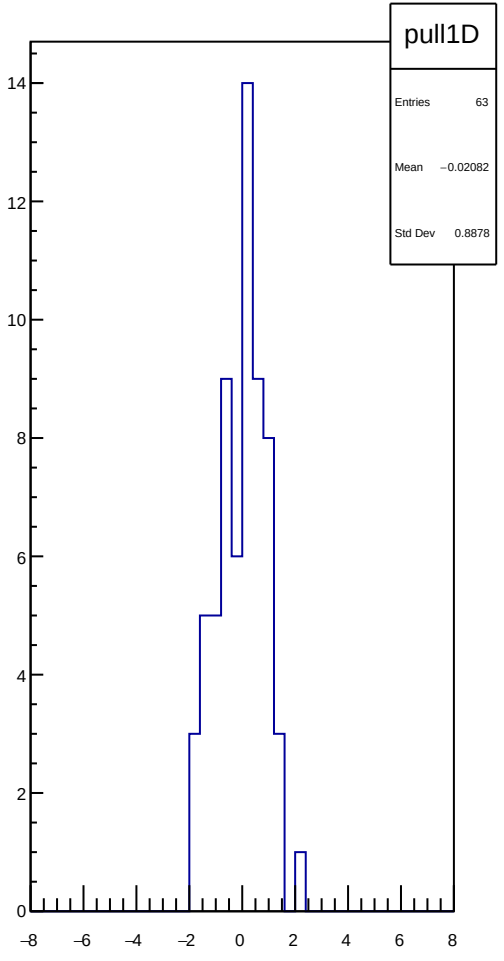

pull1D
Entries 63
Mean −0.01513
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

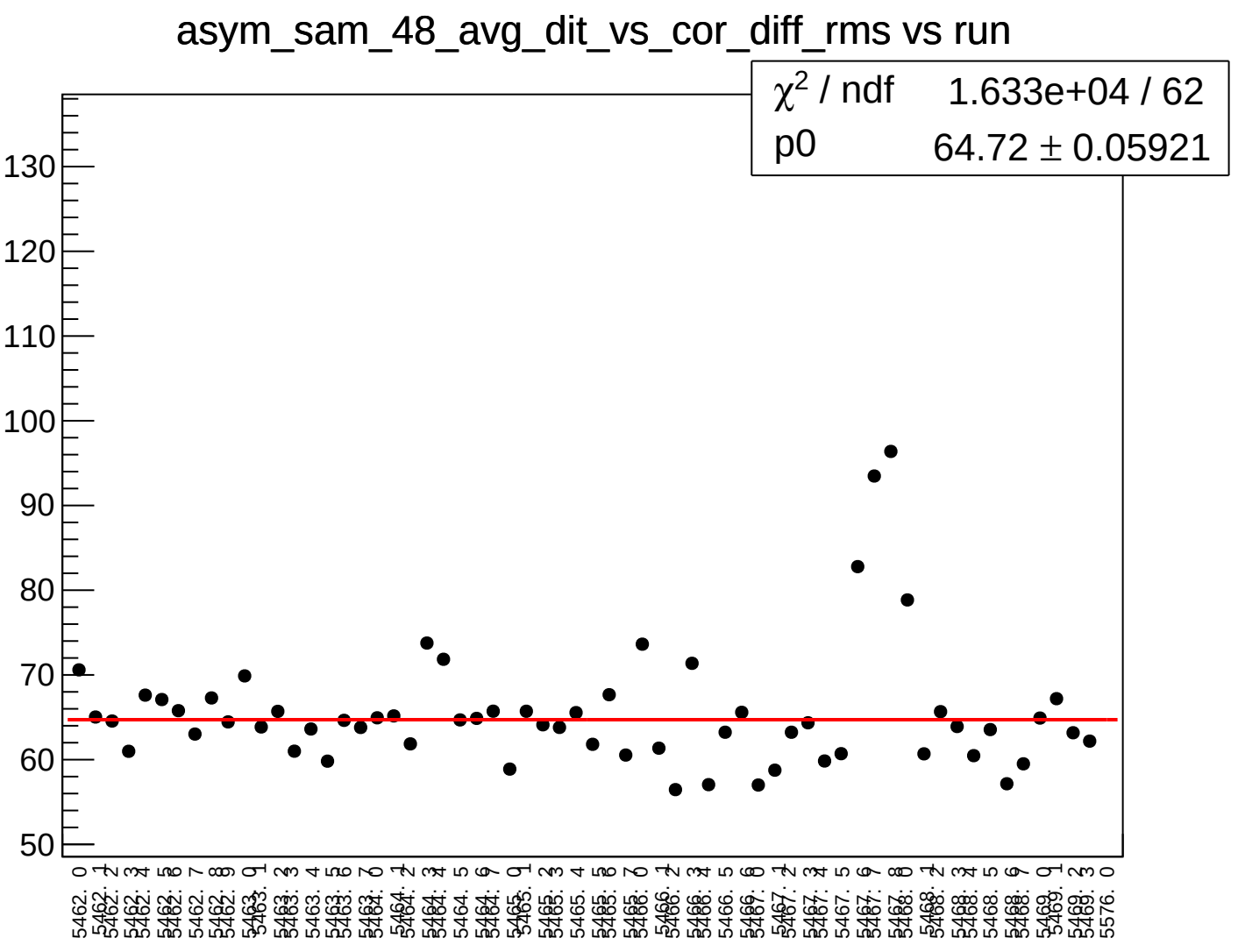

asym_sam_48_avg_rms vs run
χ² / ndf 4212 / 62
p0 1184 ± 1.078
1300
1200
1100
1000
900

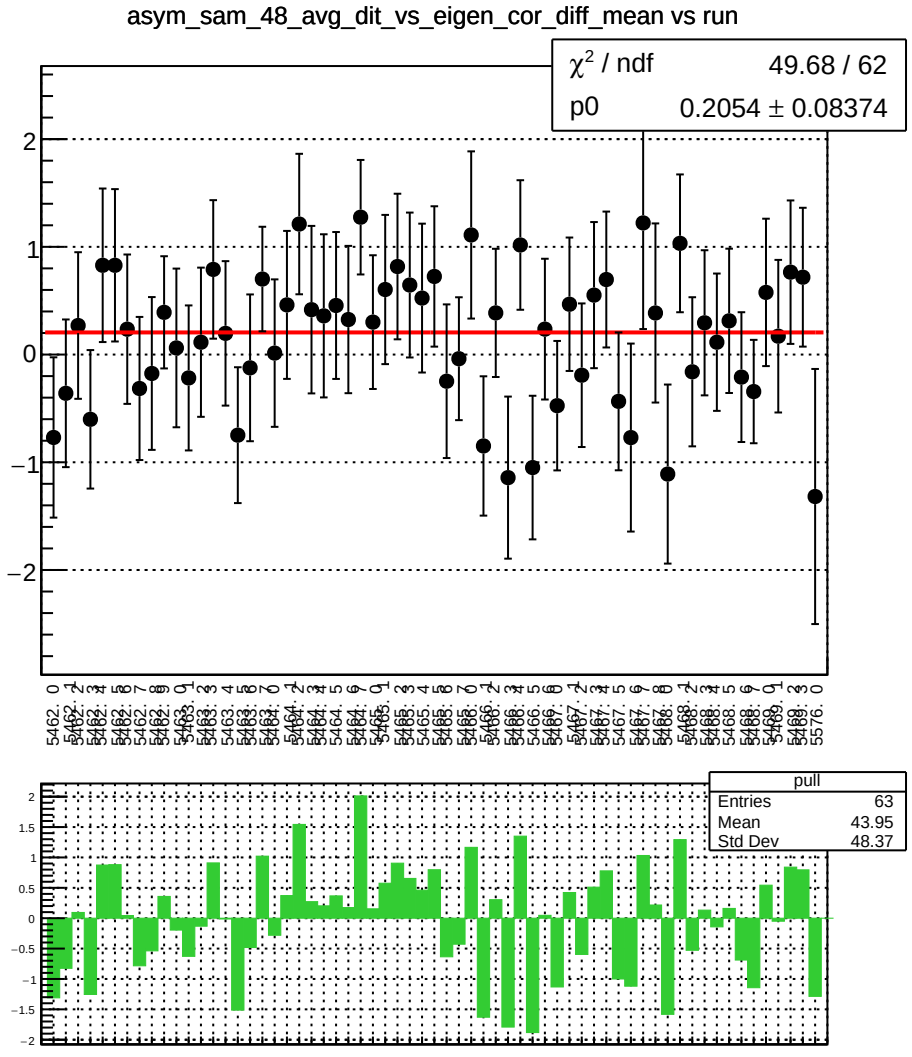

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 35.88 / 62
p0 7.605e−14 ± 8.809e−14
pull
Entries 63
Mean −29.51
Std Dev 0
pull1D
Entries 63
Mean −0.05116
Std Dev 0.753

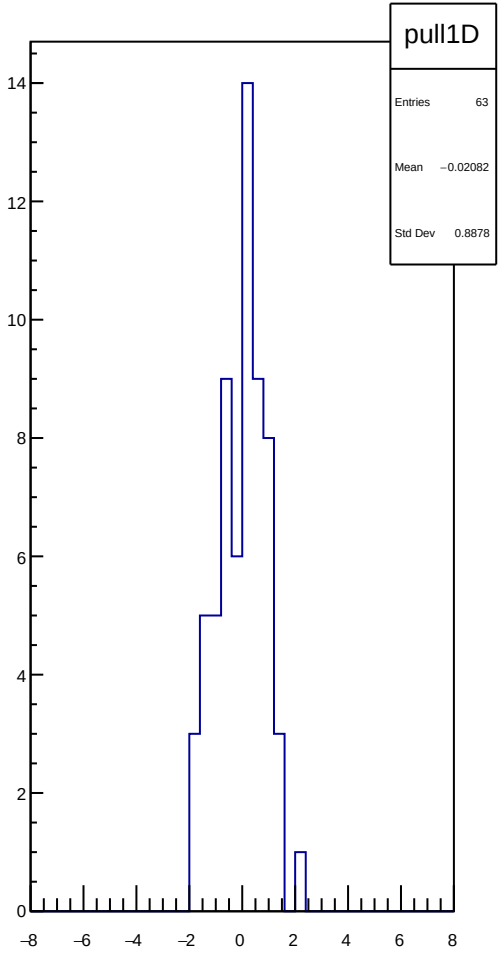

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.479e+05 / 62
p0 4.673e−11 ± 6.229e−14
4
3.5
3
2.5
2
1.5
1
0.5
0

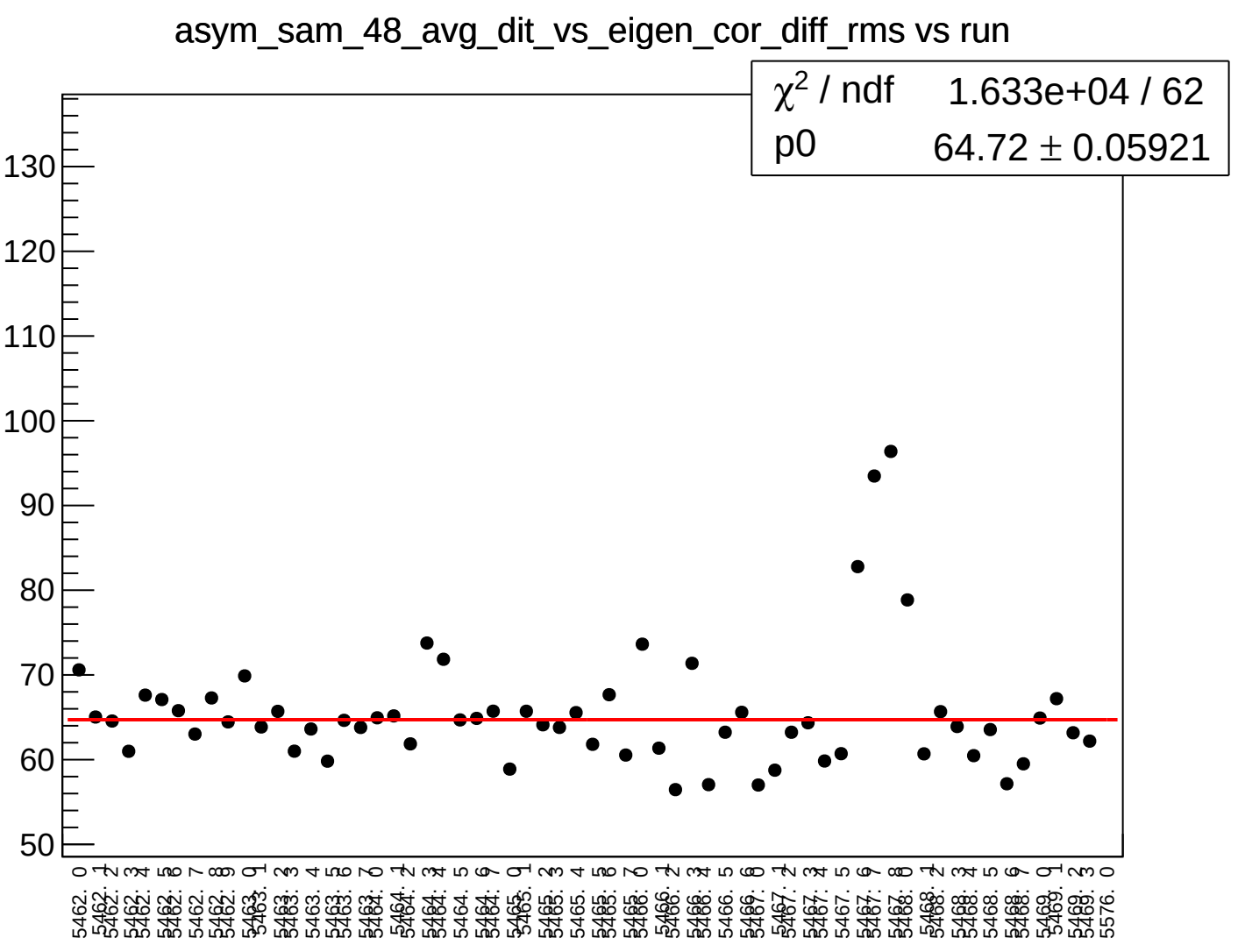

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.68 / 62
p0 0.2054 ± 0.08374
pull
Entries 63
Mean 43.95
Std Dev 48.37

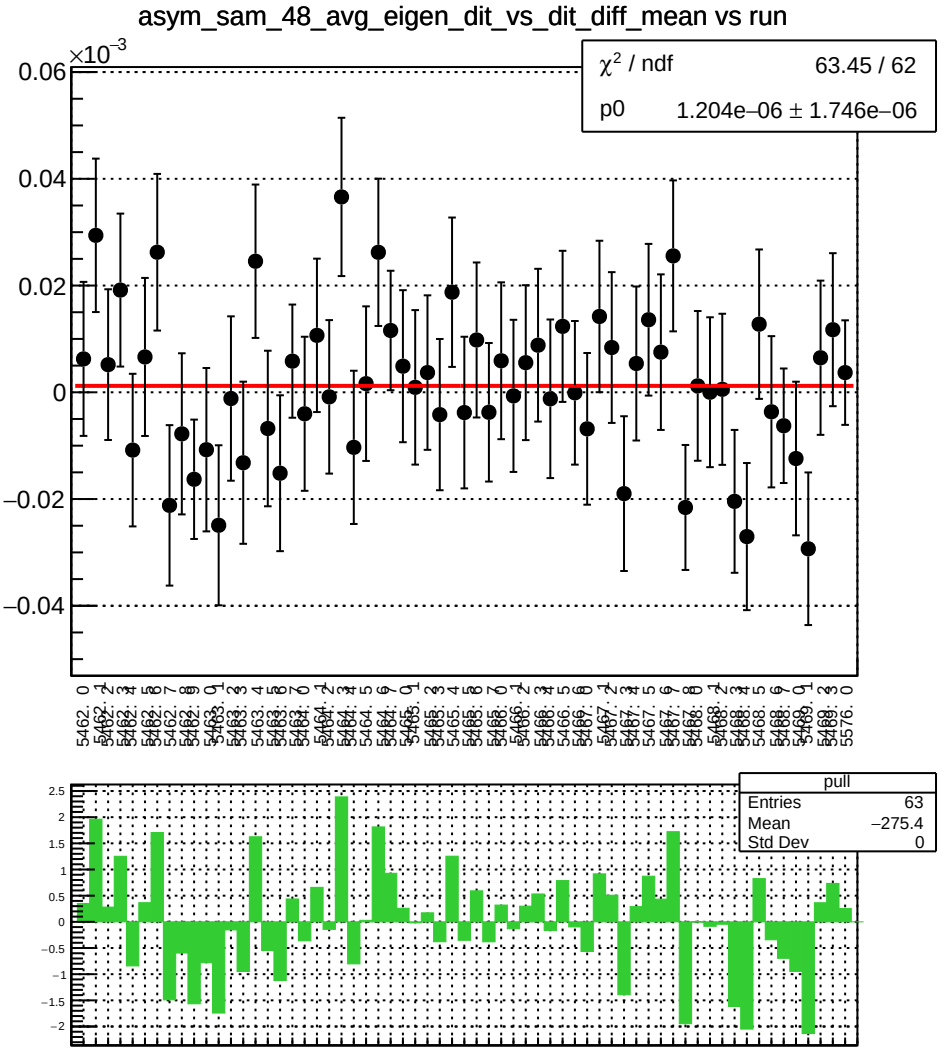

pull1D
Entries 63
Mean −0.02082
Std Dev 0.8878

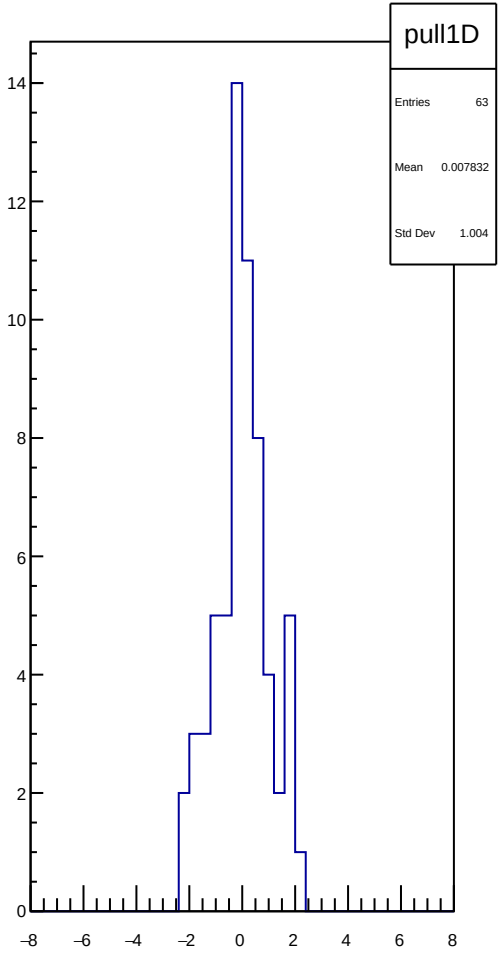

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.633e+04 / 62
p0 64.72 ± 0.05921
130
120
110
100
90
80
70
60
50

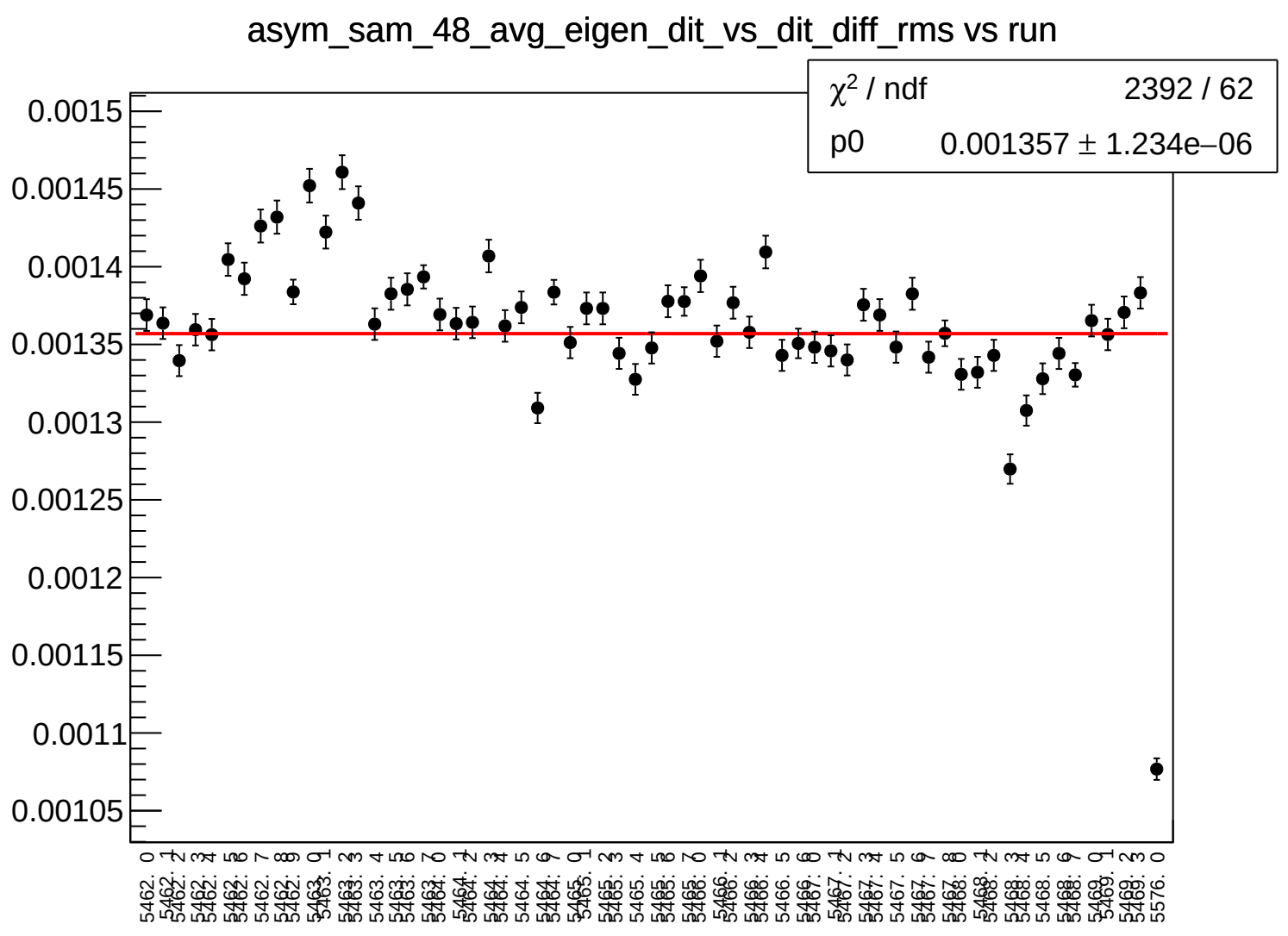

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.68 / 62
p0 0.2054 ± 0.08374
pull
Entries 63
Mean 43.95
Std Dev 48.37

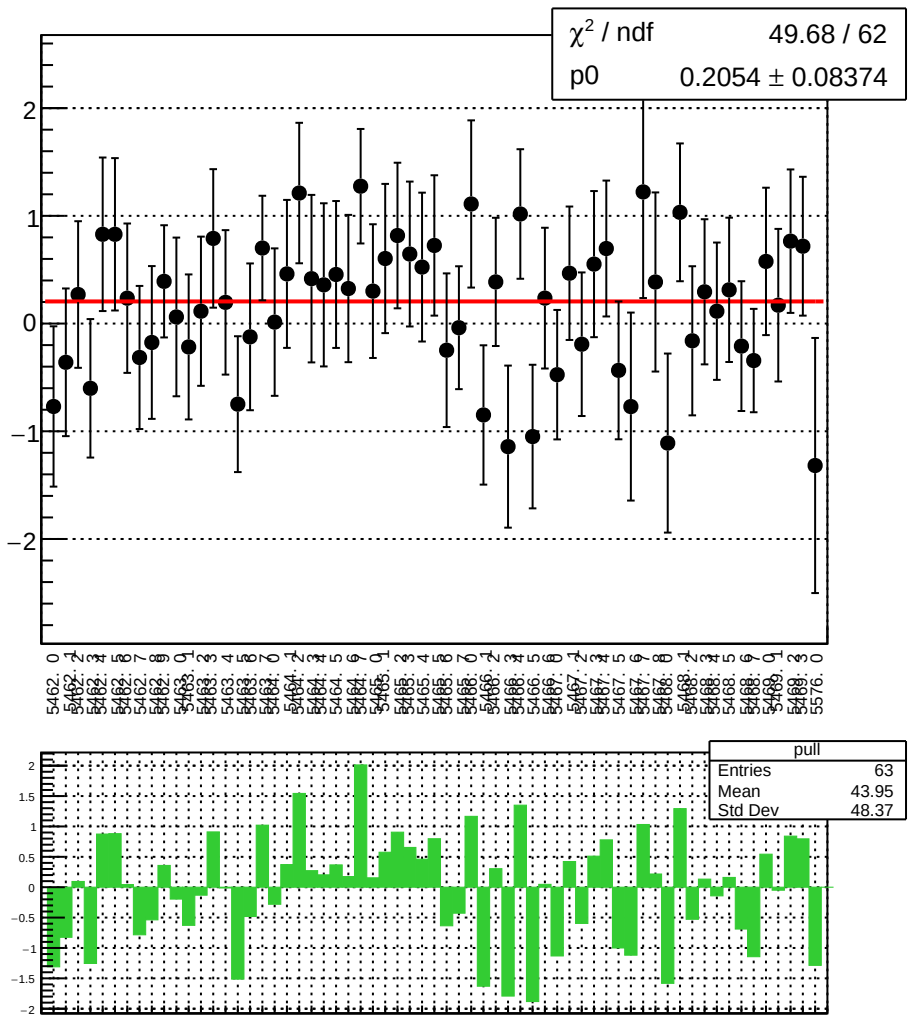

pull1D
Entries 63
Mean −0.02082
Std Dev 0.8878

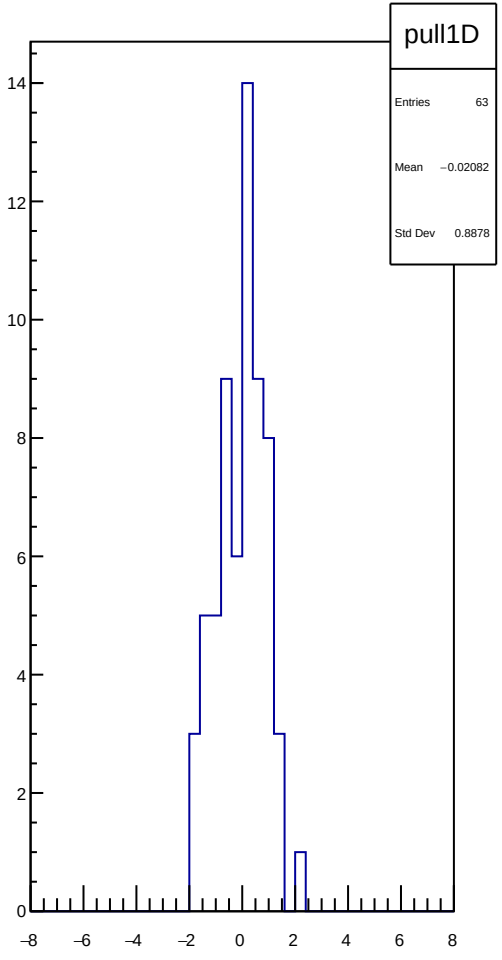

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.633e+04 / 62
p0 64.72 ± 0.05921
130
120
110
100
90
80
70
60
50

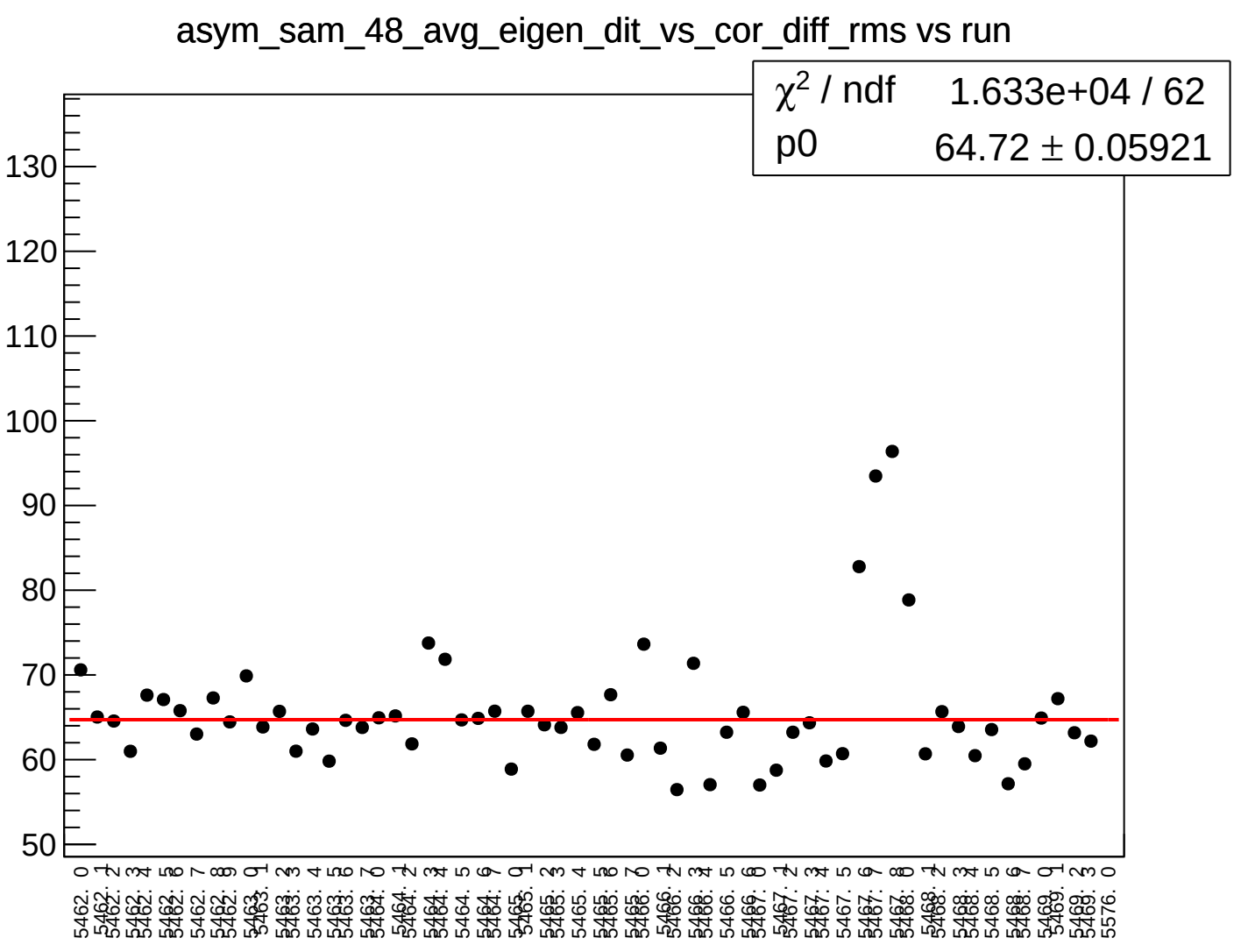

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.45 / 62
p0 1.204e−06 ± 1.746e−06
pull
Entries 63
Mean −275.4
Std Dev 0

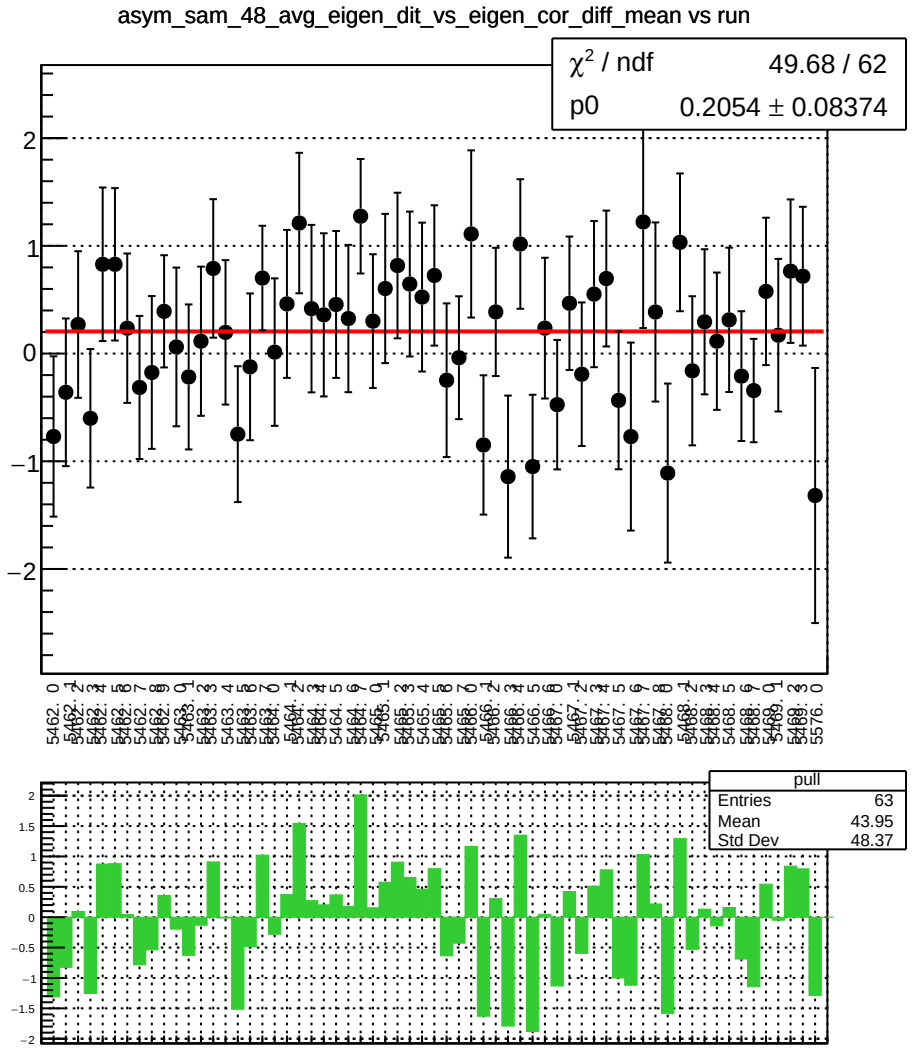

pull1D
Entries 63
Mean 0.007832
Std Dev 1.004

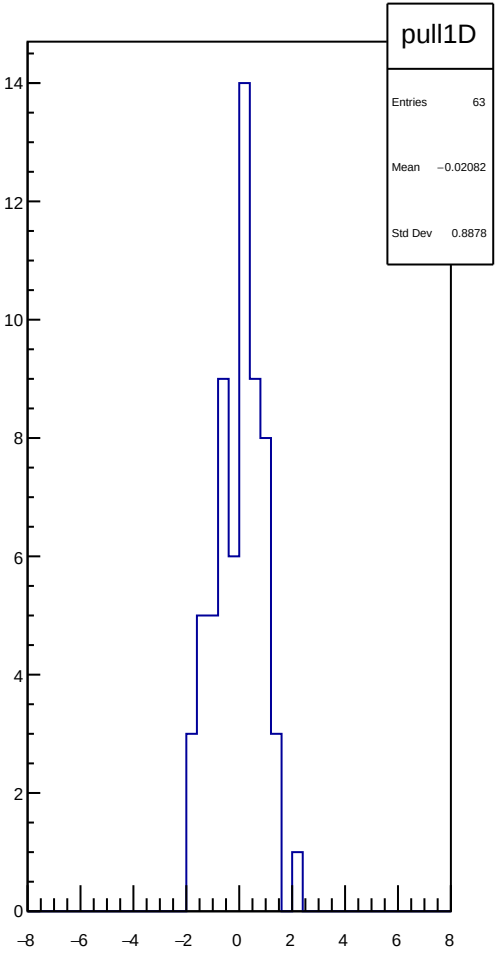

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2392 / 62
p0 0.001357 ± 1.234e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105

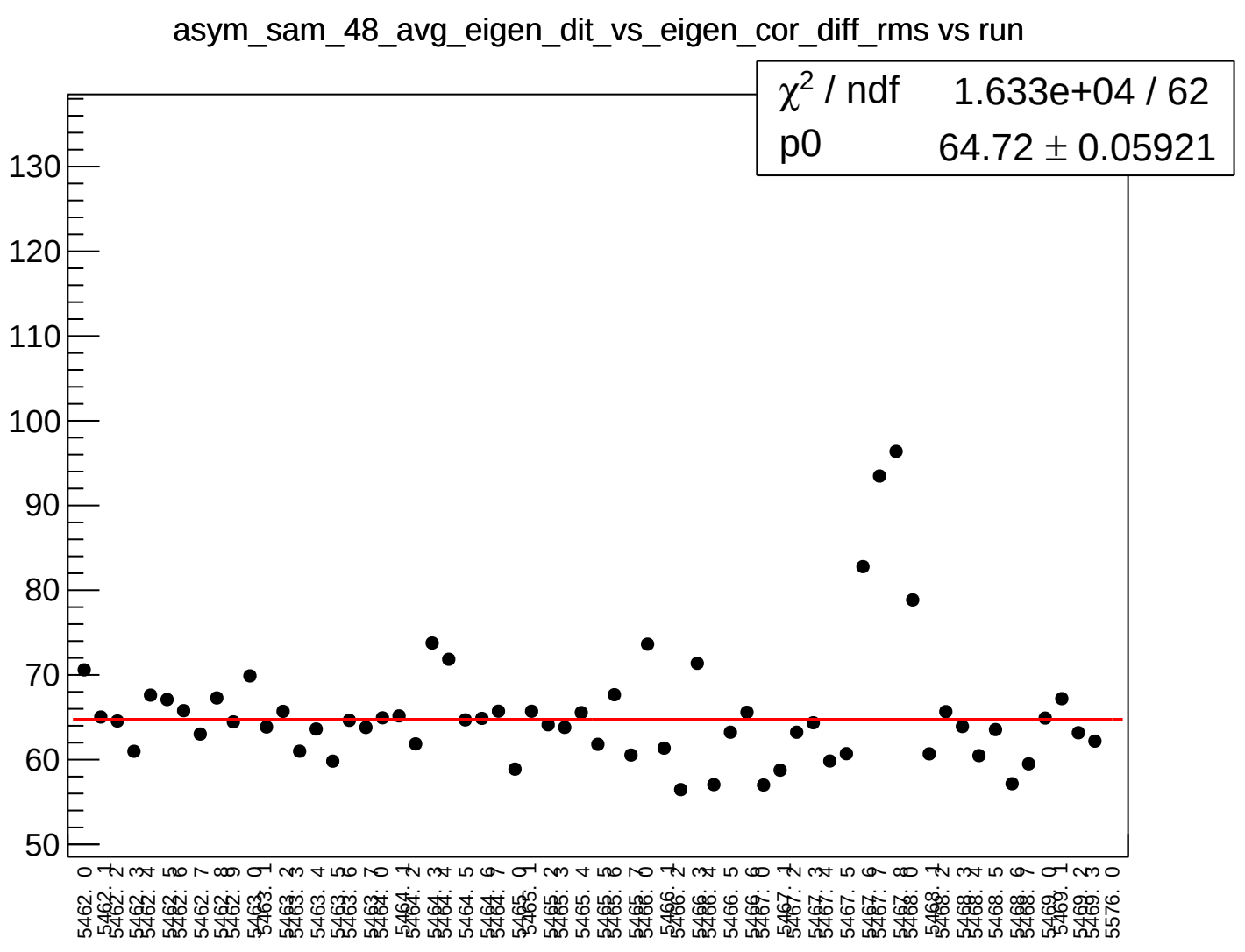

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.68 / 62
p0 0.2054 ± 0.08374
pull
Entries 63
Mean 43.95
Std Dev 48.37

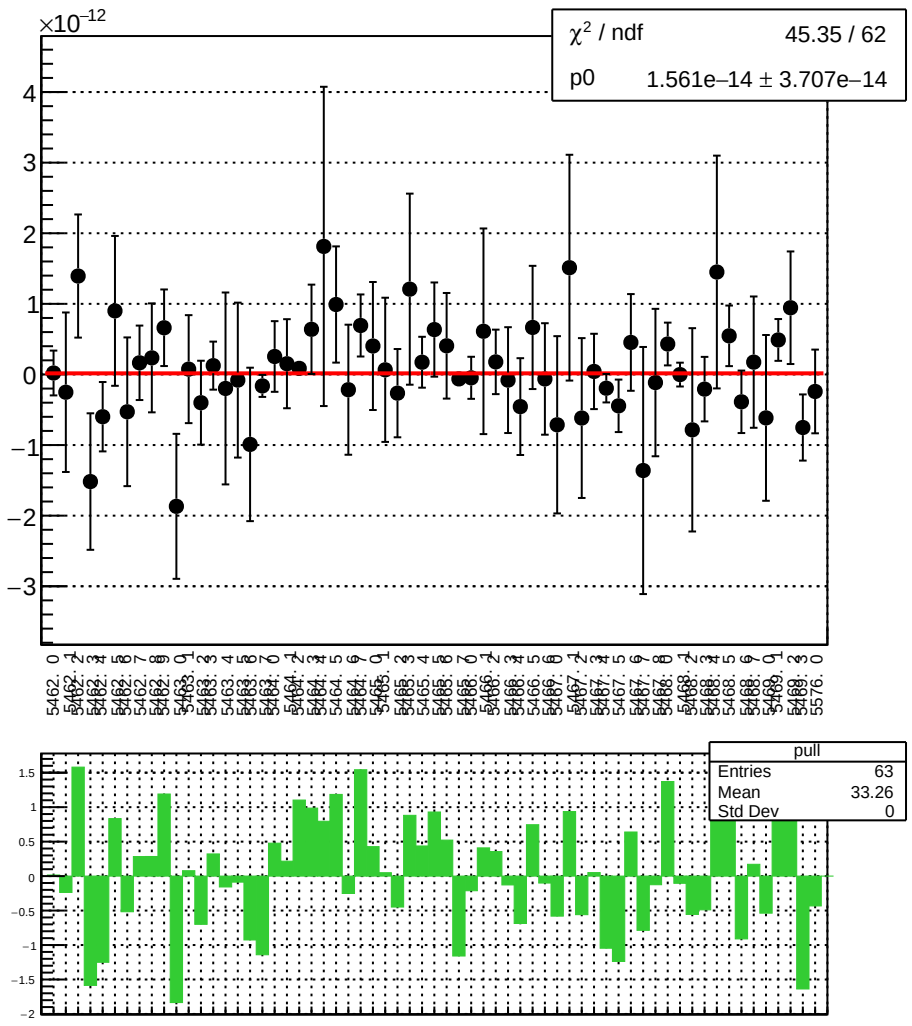

pull1D
Entries 63
Mean −0.02082
Std Dev 0.8878

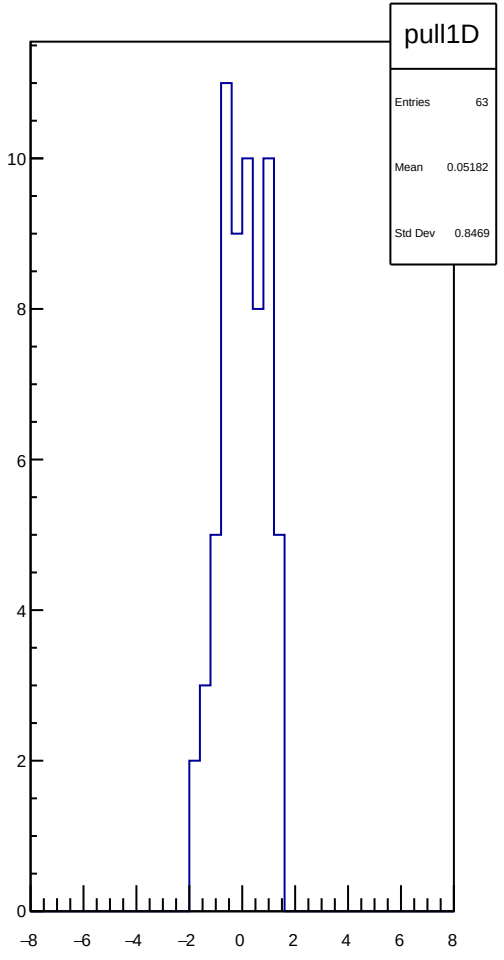

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.633e+04 / 62
p0 64.72 ± 0.05921
130
120
110
100
90
80
70
60
50

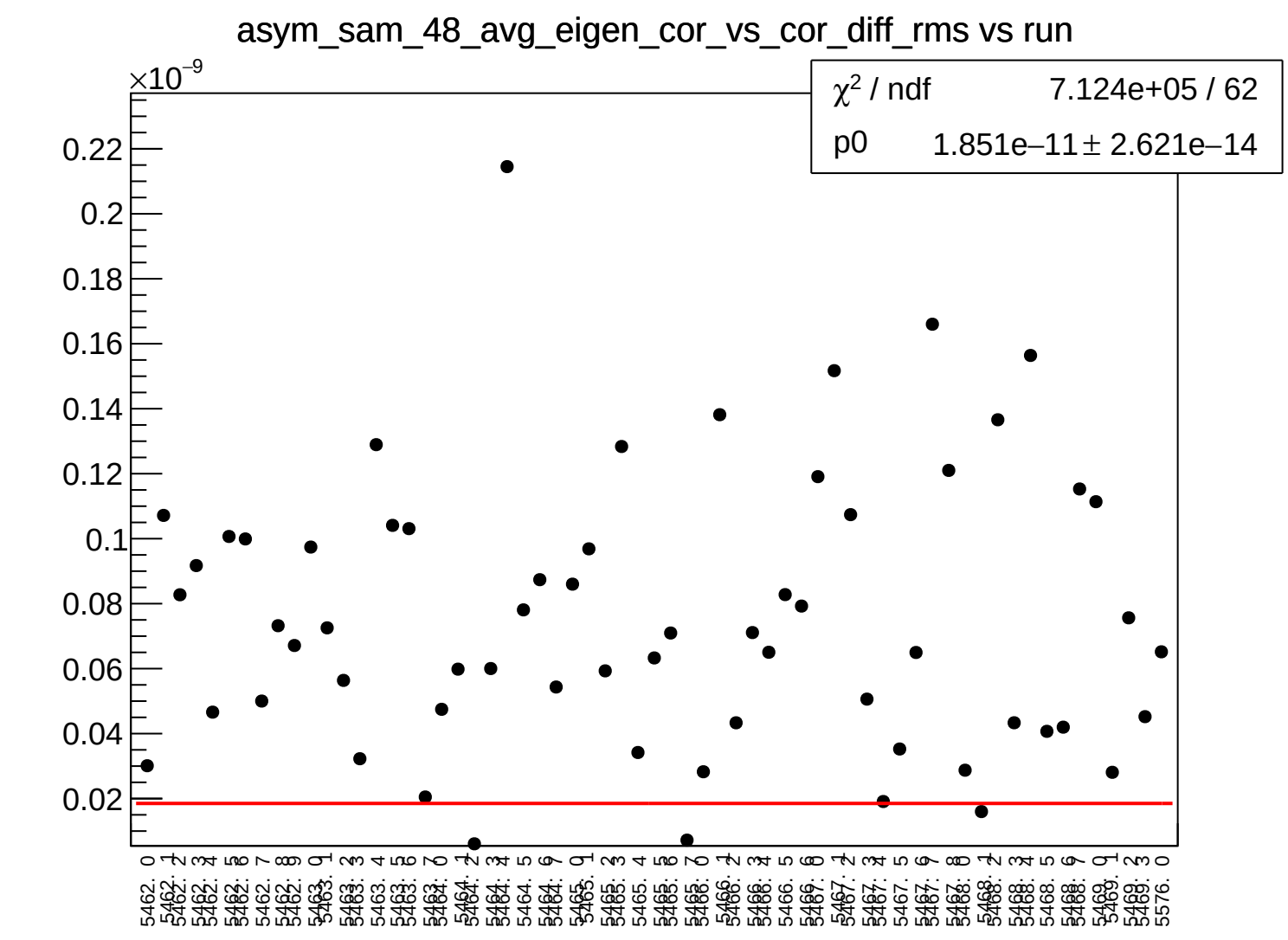

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.68 / 62
p0 0.2054 ± 0.08374
pull
Entries 63
Mean 43.95
Std Dev 48.37

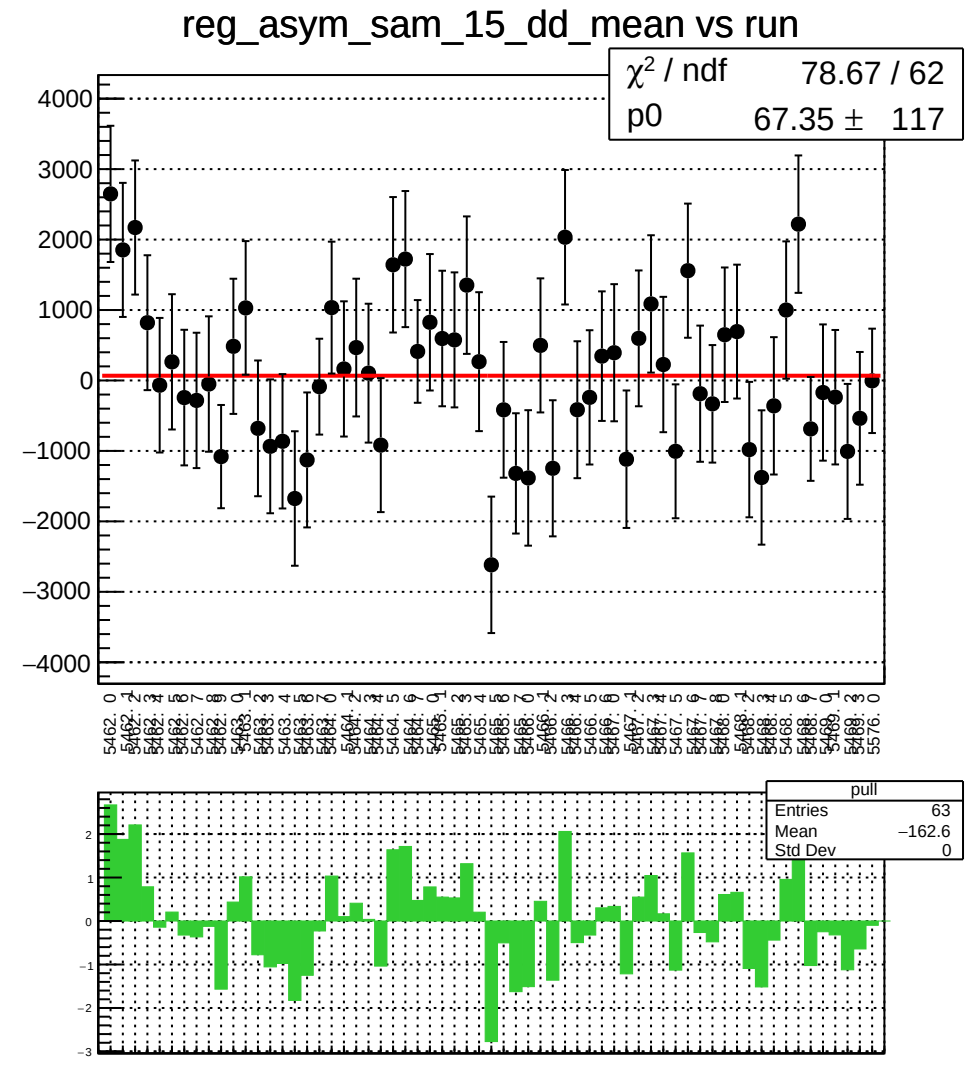

pull1D
Entries 63
Mean −0.02082
Std Dev 0.8878

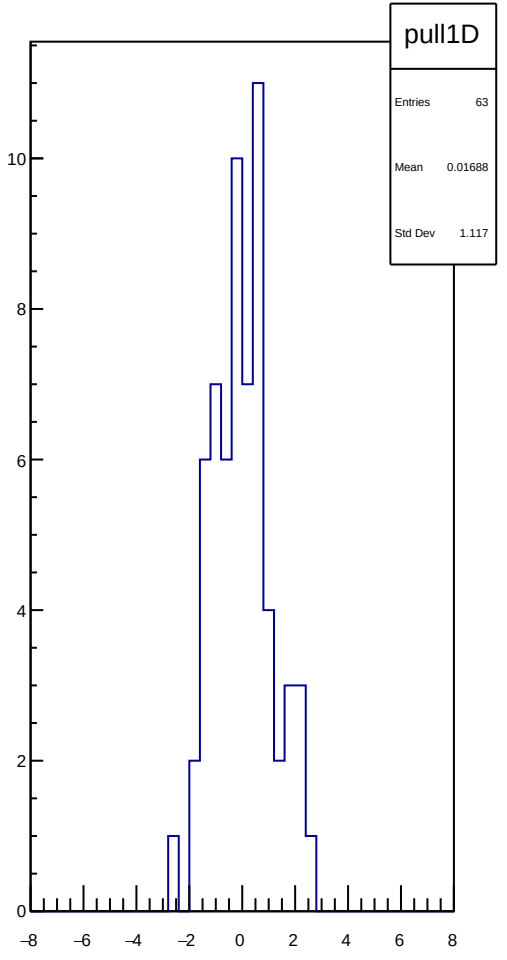

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.633e+04 / 62
p0 64.72 ± 0.05921
130
120
110
100
90
80
70
60
50

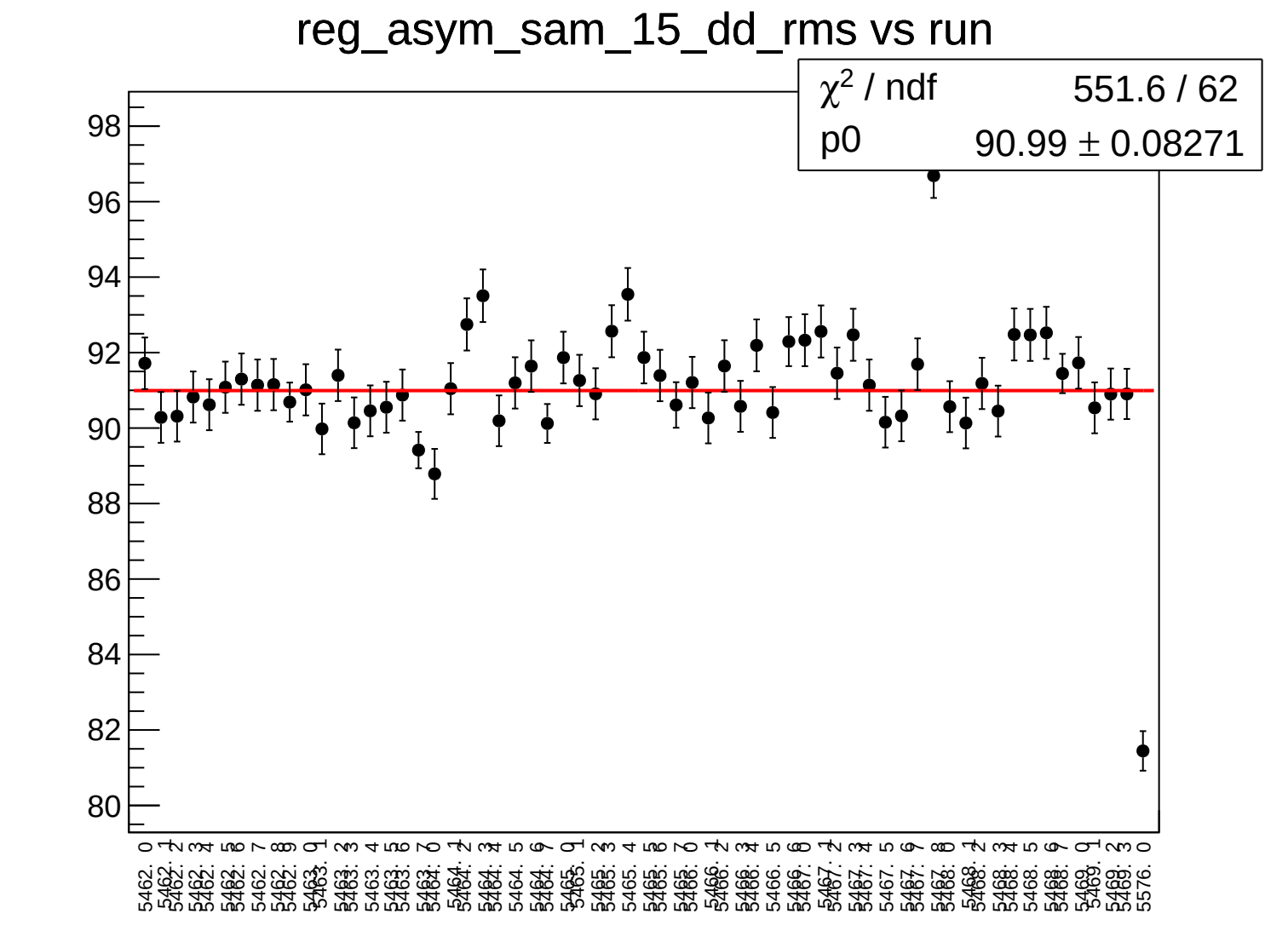

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.35 / 62
p0 1.561e−14 ± 3.707e−14
pull
Entries 63
Mean 33.26
Std Dev 0

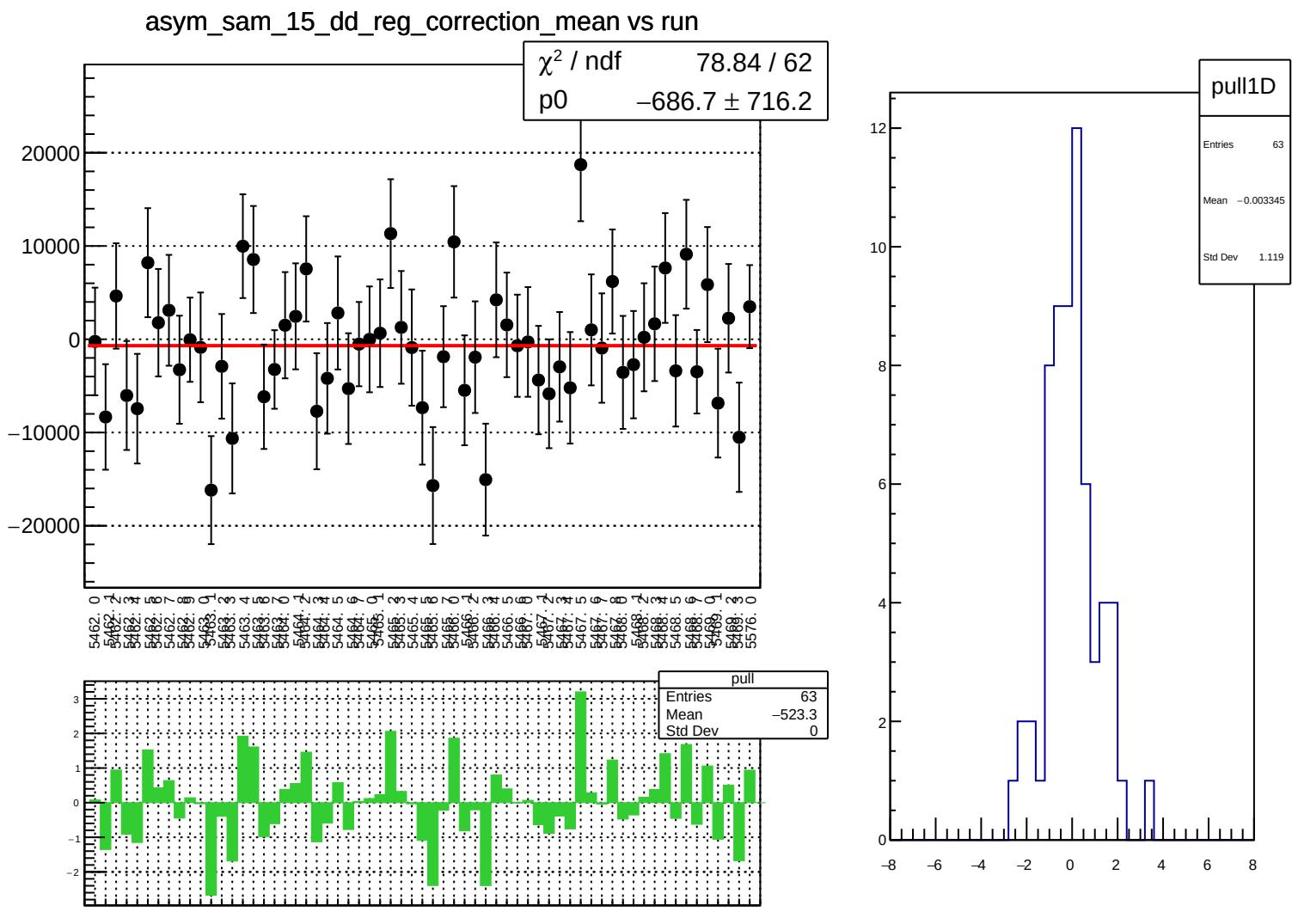

pull1D
Entries 63
Mean 0.05182
Std Dev 0.8469

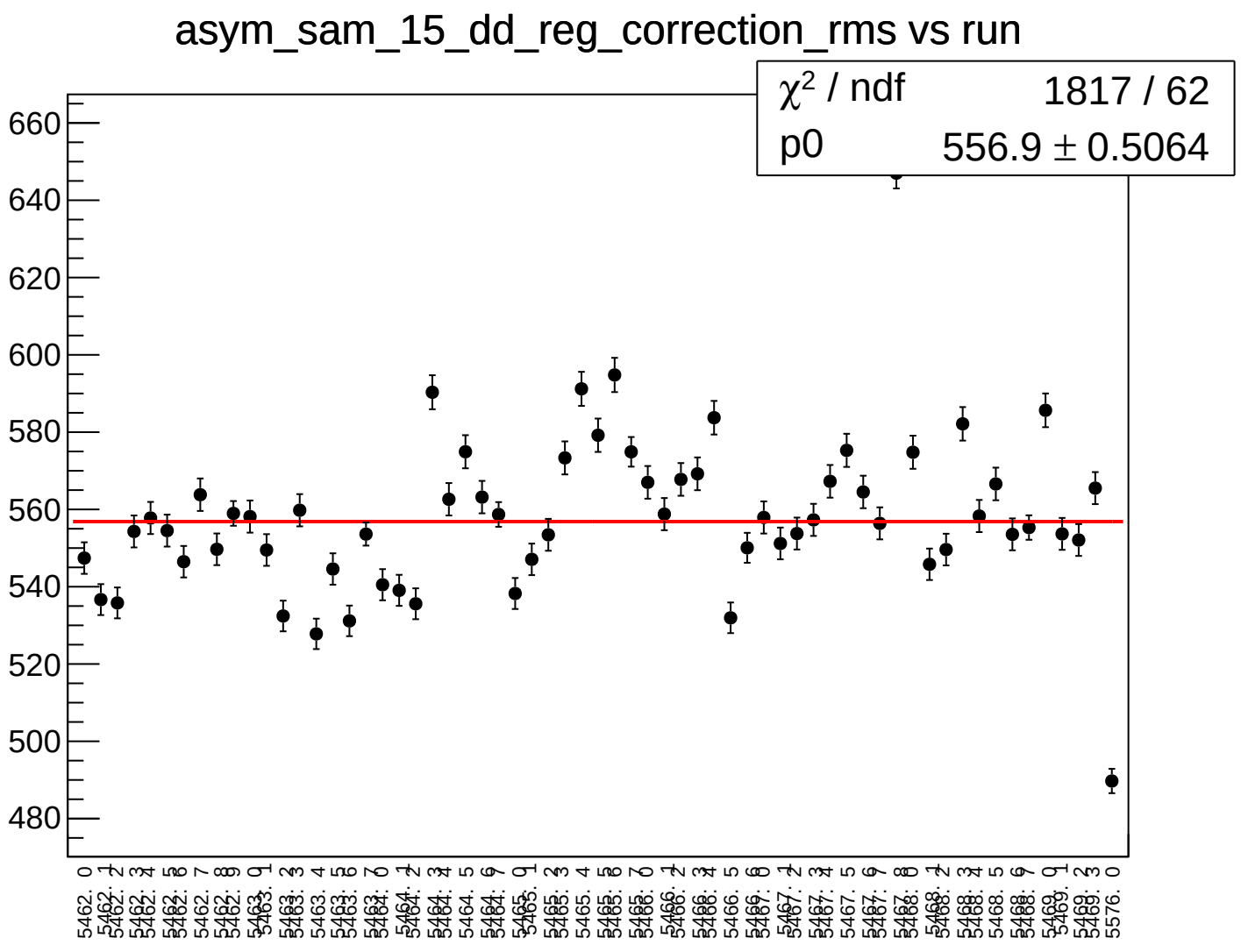

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.124e+05 / 62
p0 1.851e−11 ± 2.621e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

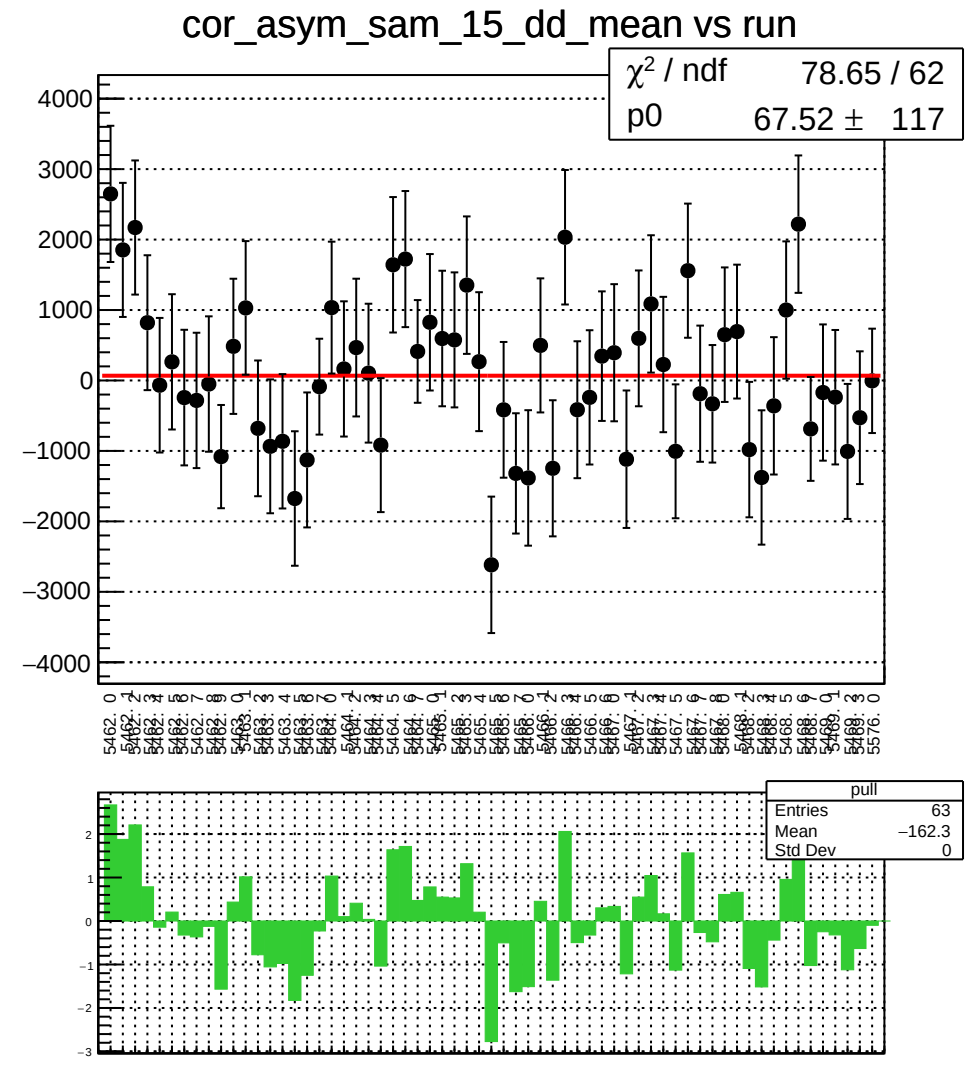

reg_asym_sam_15_dd_mean vs run
χ² / ndf 78.67 / 62
p0 67.35 ± 117
pull
Entries 63
Mean −162.6
Std Dev 0

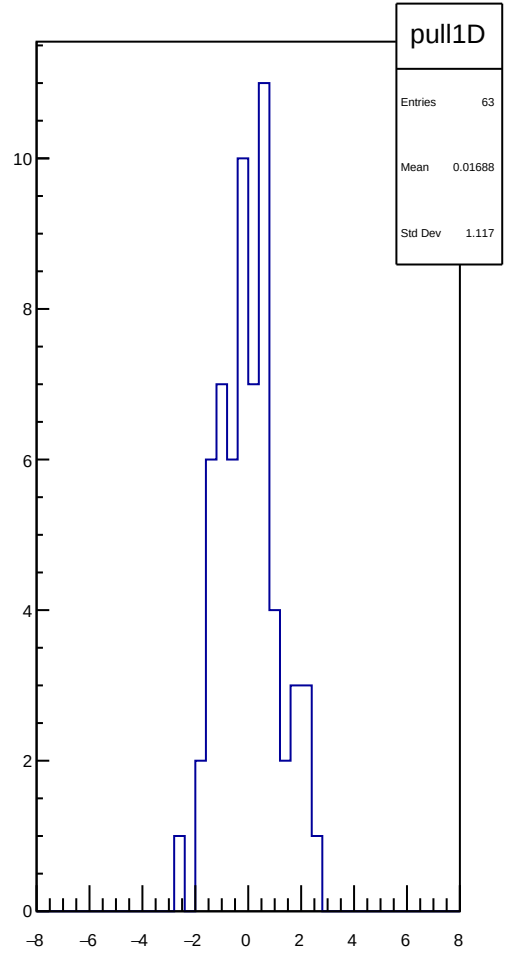

pull1D
Entries 63
Mean 0.01688
Std Dev 1.117

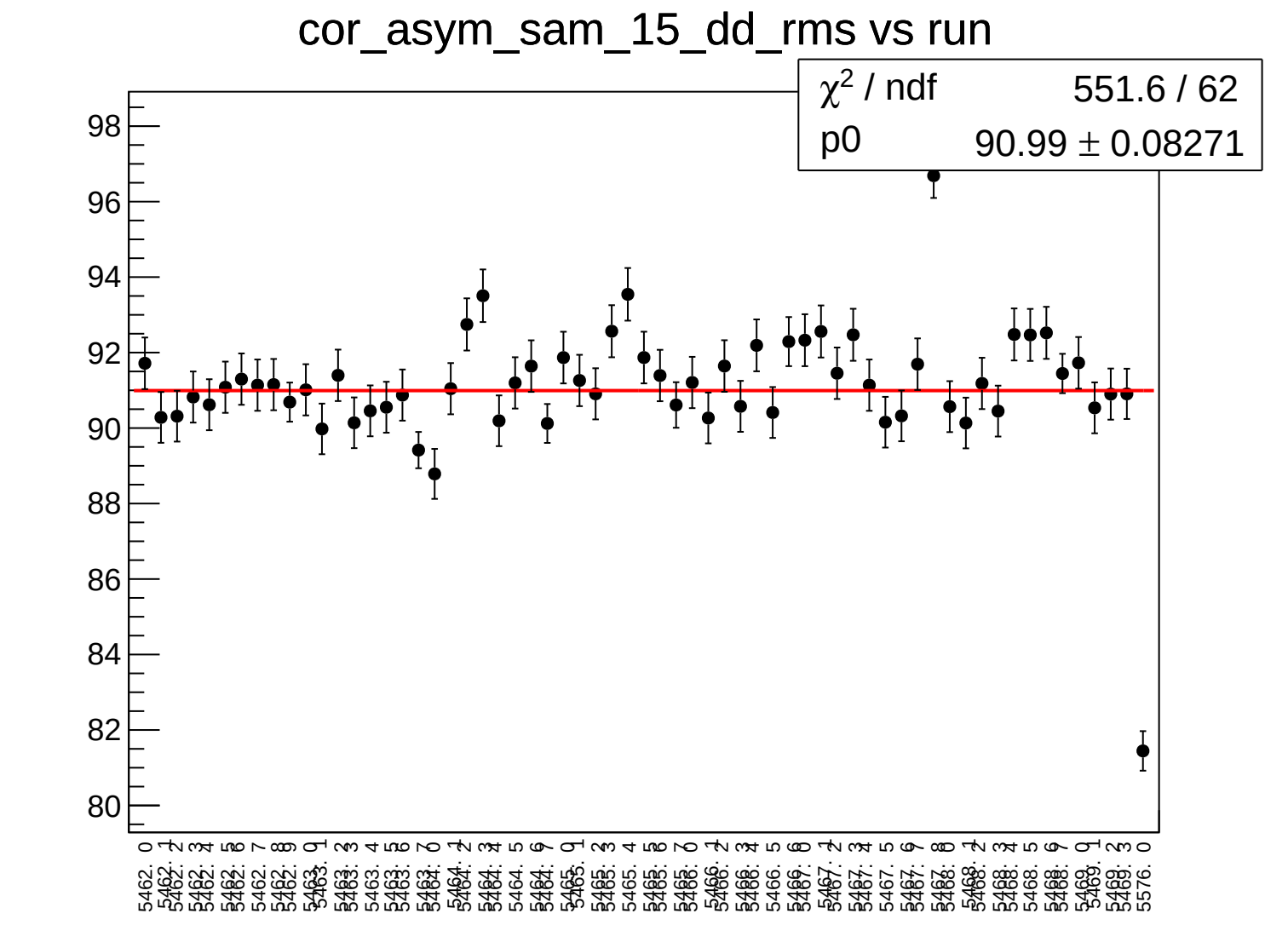

reg_asym_sam_15_dd_rms vs run
χ² / ndf 551.6 / 62
p0 90.99 ± 0.08271
98
96
94
92
90
88
86
84
82
80

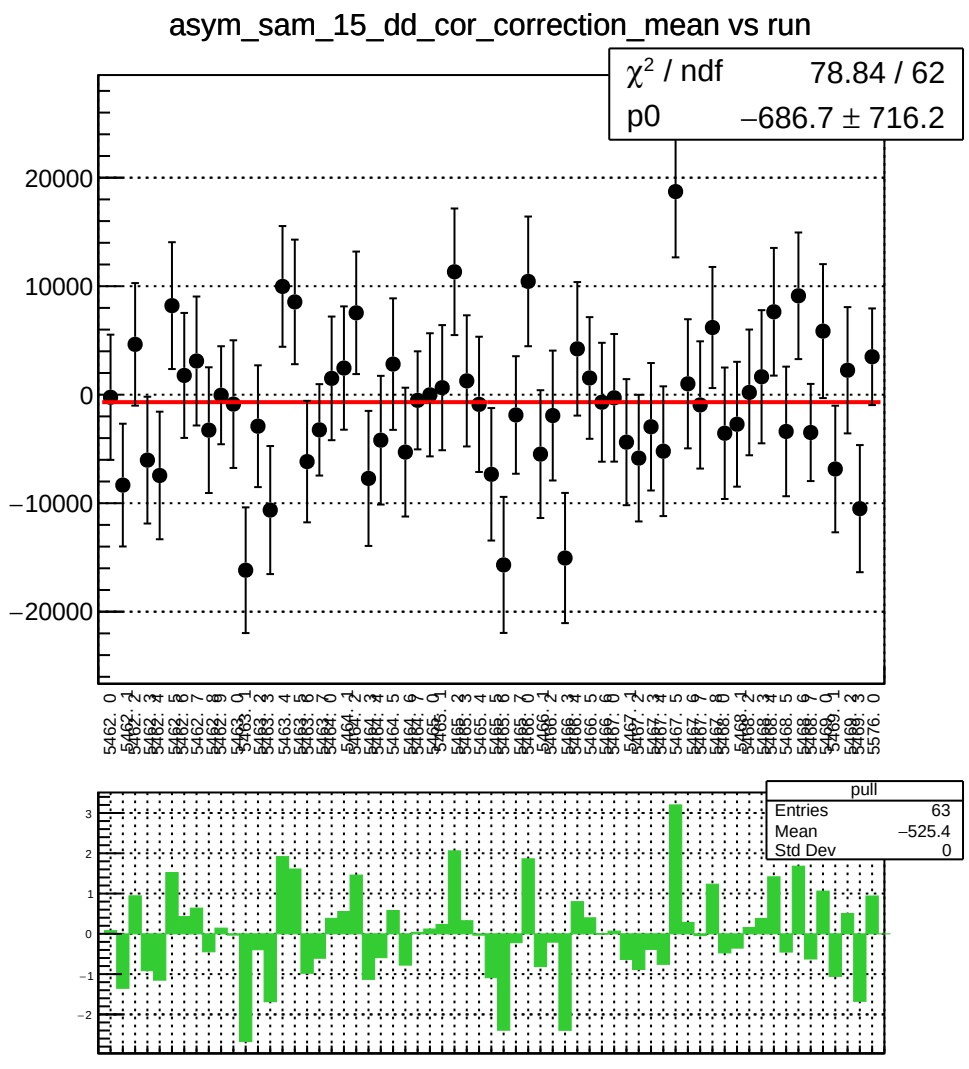

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 78.84 / 62
p0 −686.7 ± 716.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −523.3
Std Dev 0
pull1D
Entries 63
Mean −0.003345
Std Dev 1.119

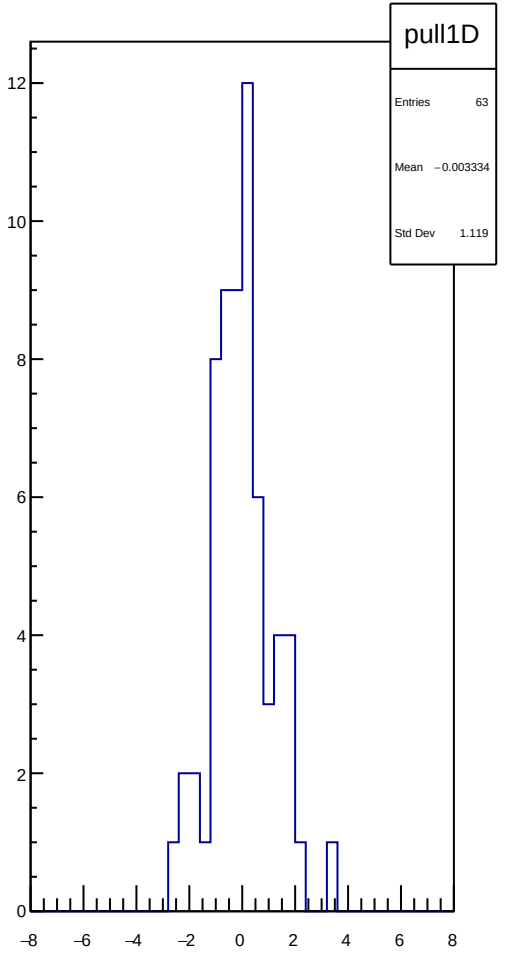

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1817 / 62
p0 556.9 ± 0.5064
660
640
620
600
580
560
540
520
500
480

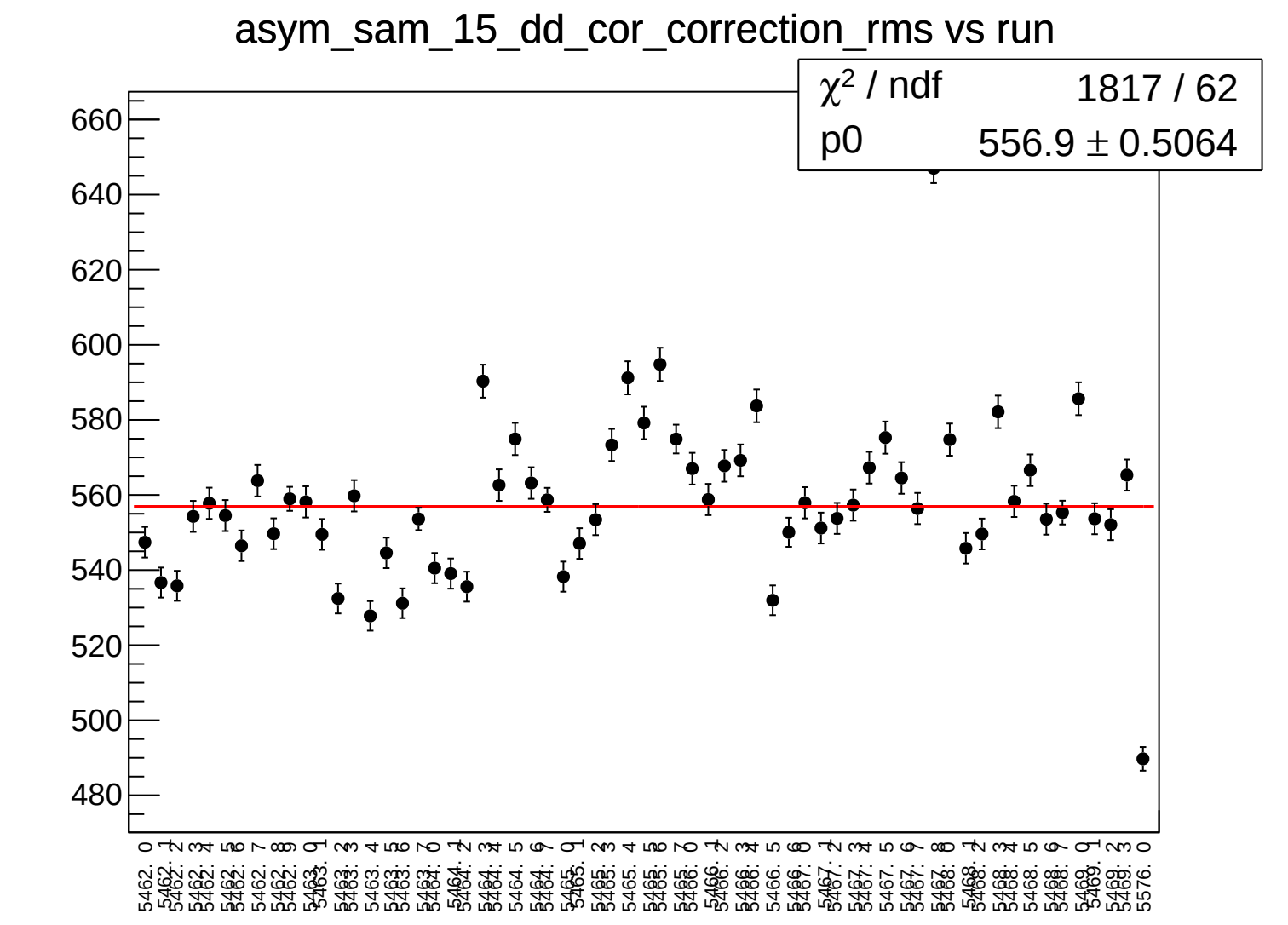

cor_asym_sam_15_dd_mean vs run
χ² / ndf 78.65 / 62
p0 67.52 ± 117
pull
Entries 63
Mean −162.3
Std Dev 0

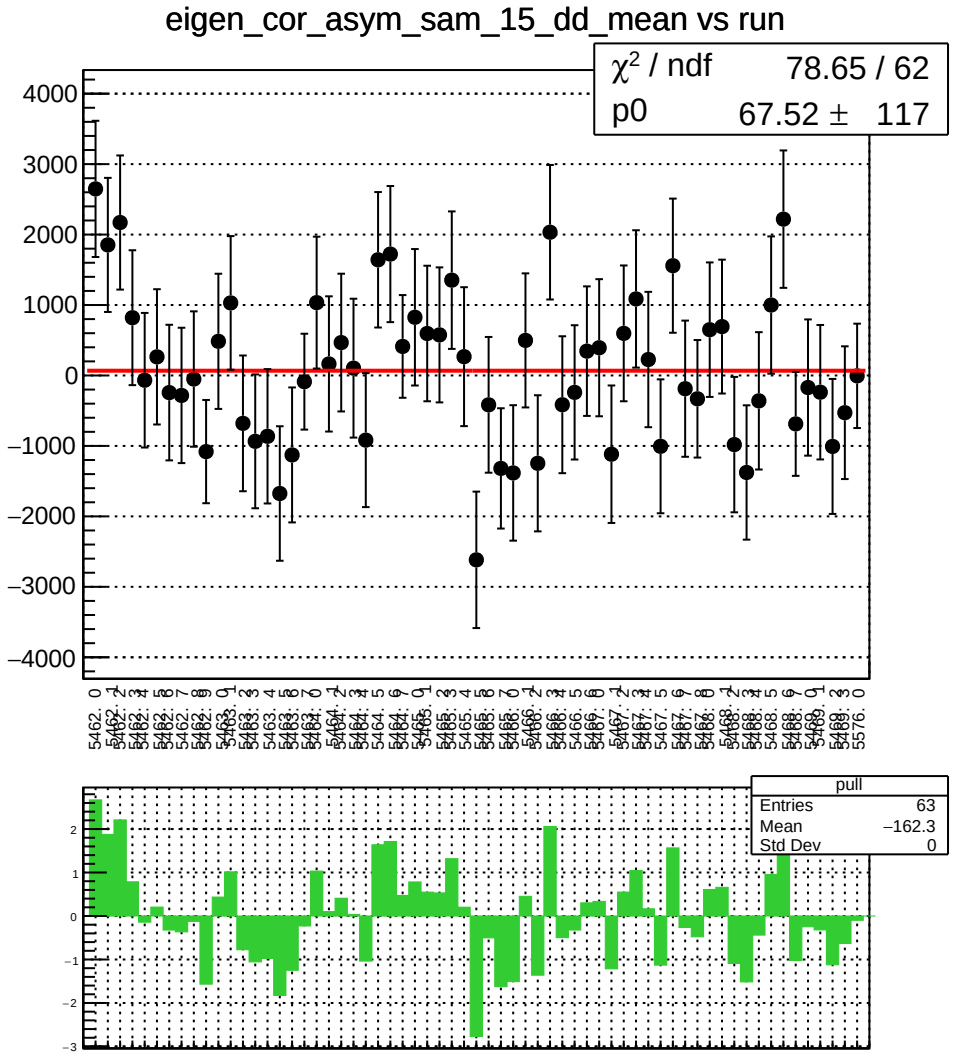

pull1D
Entries 63
Mean 0.01688
Std Dev 1.117

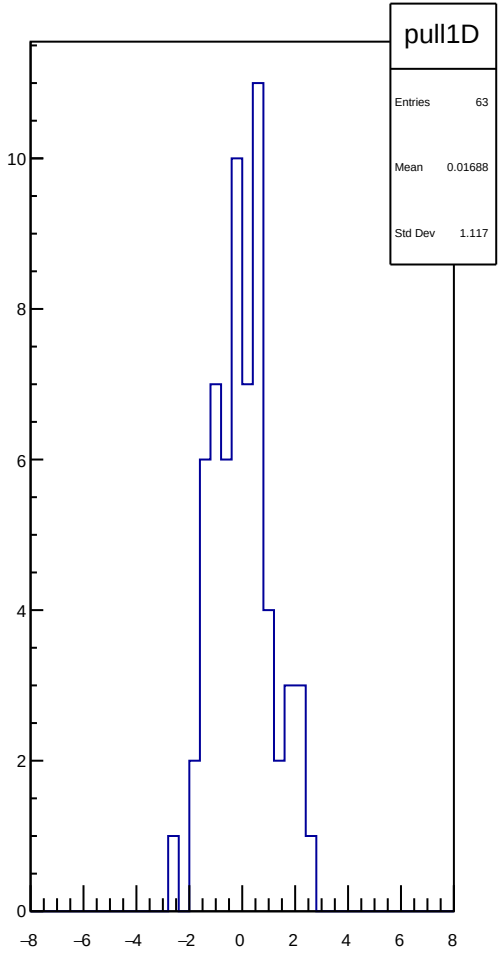

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 551.6 / 62
p0 90.99 ± 0.08271
98
96
94
92
90
88
86
84
82
80

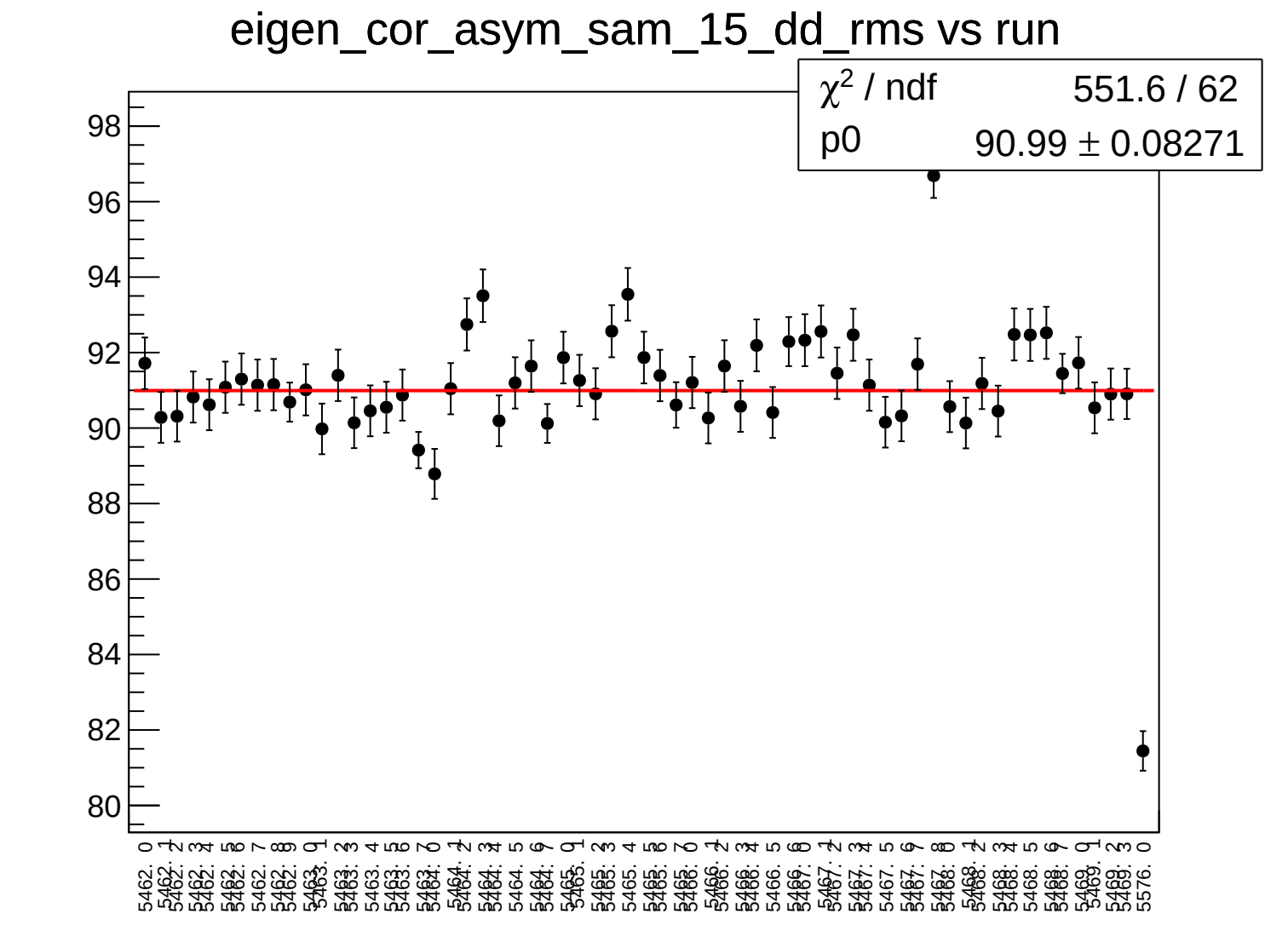

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 78.84 / 62
p0 −686.7 ± 716.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −525.4
Std Dev 0
3
2
1
0
−1
−2

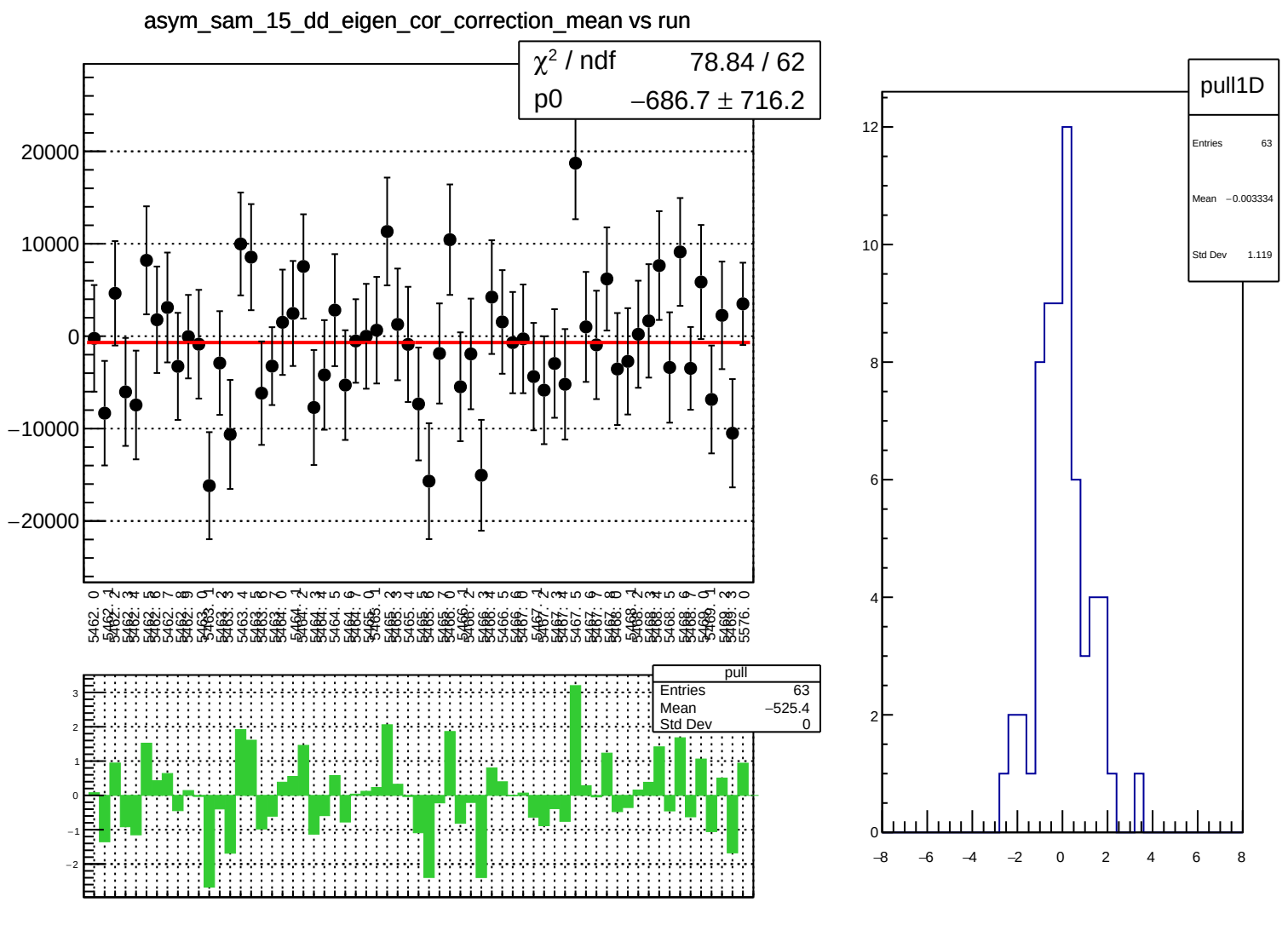

pull1D
Entries 63
Mean −0.003334
Std Dev 1.119
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

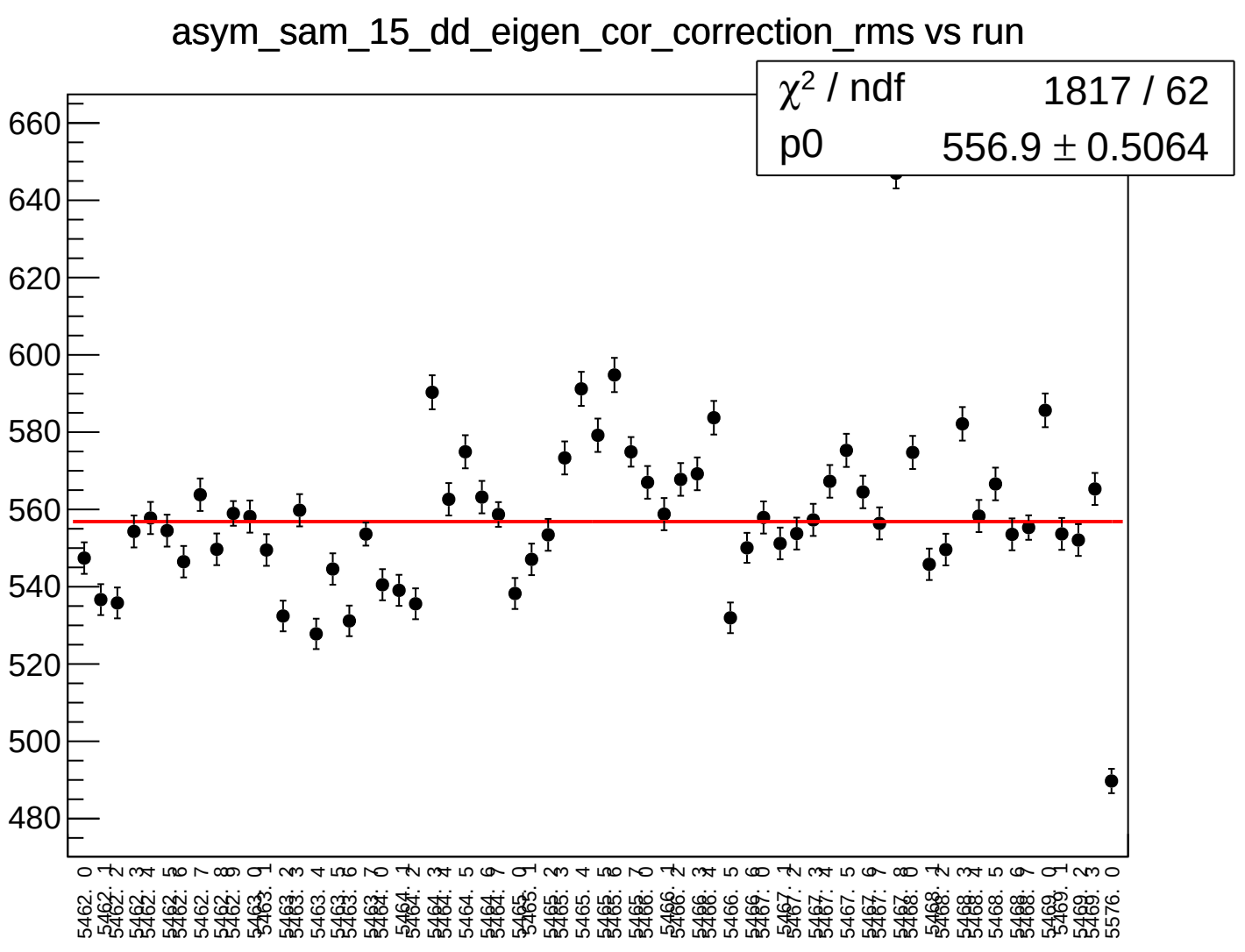

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1817 / 62
p0 556.9 ± 0.5064
660
640
620
600
580
560
540
520
500
480

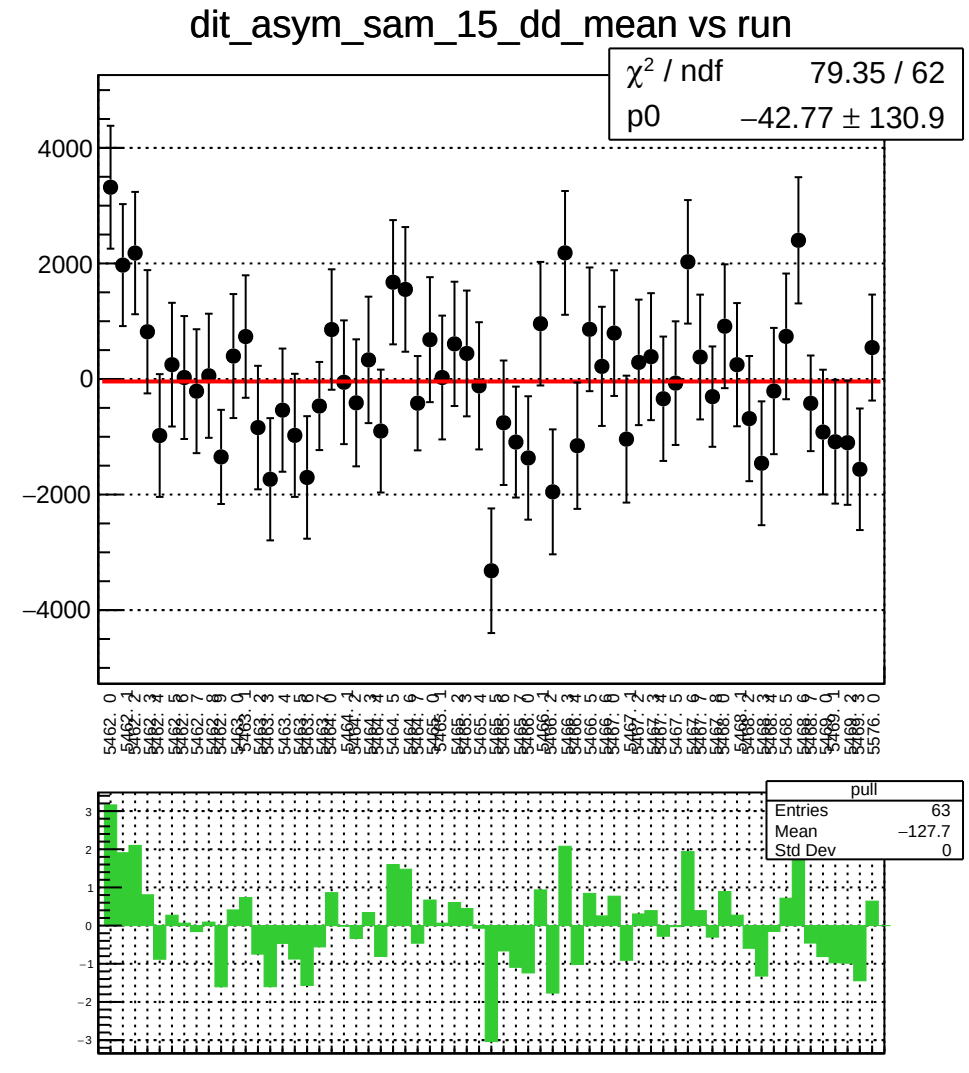

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 78.65 / 62
p0 67.52 ± 117
pull
Entries 63
Mean −162.3
Std Dev 0

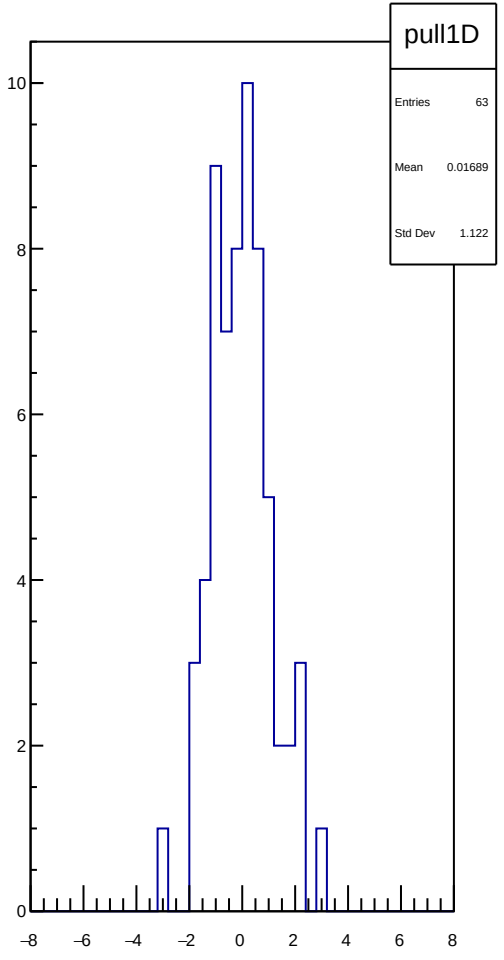

pull1D
Entries 63
Mean 0.01688
Std Dev 1.117

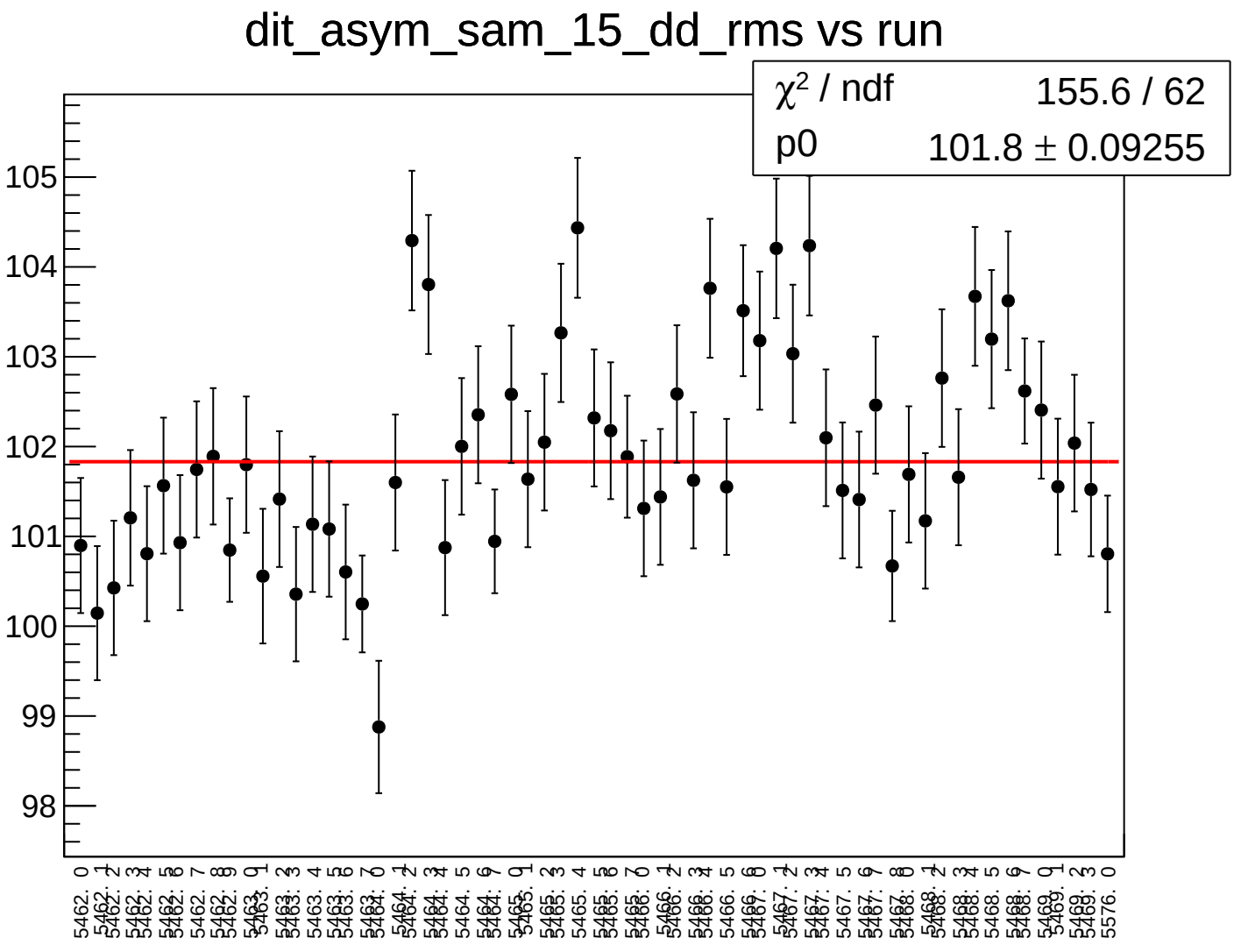

eigen_cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 551.6 / 62
p0 90.99 ± 0.08271
98
96
94
92
90
88
86
84
82
80
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

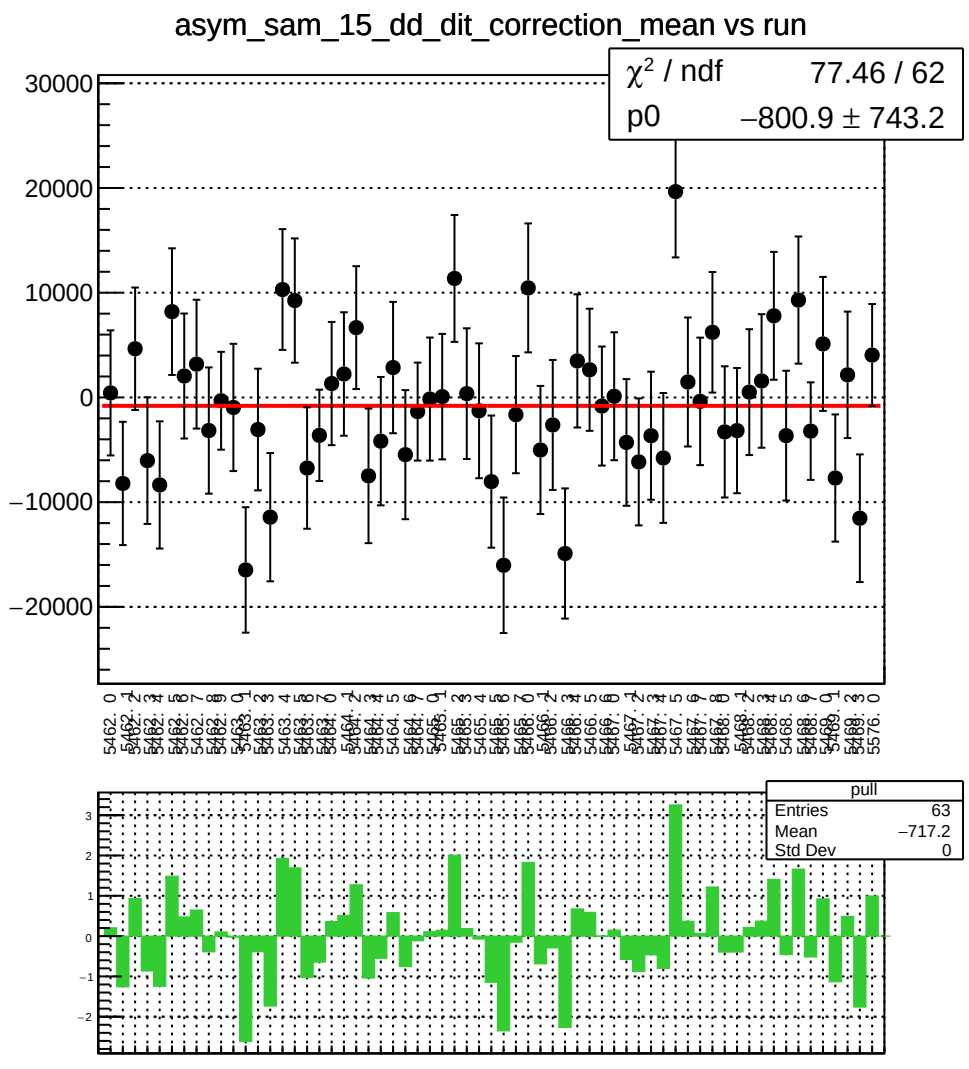

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.84 / 62
p0 −686.7 ± 716.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −525.4
Std Dev 0
pull1D
Entries 63
Mean −0.003334
Std Dev 1.119

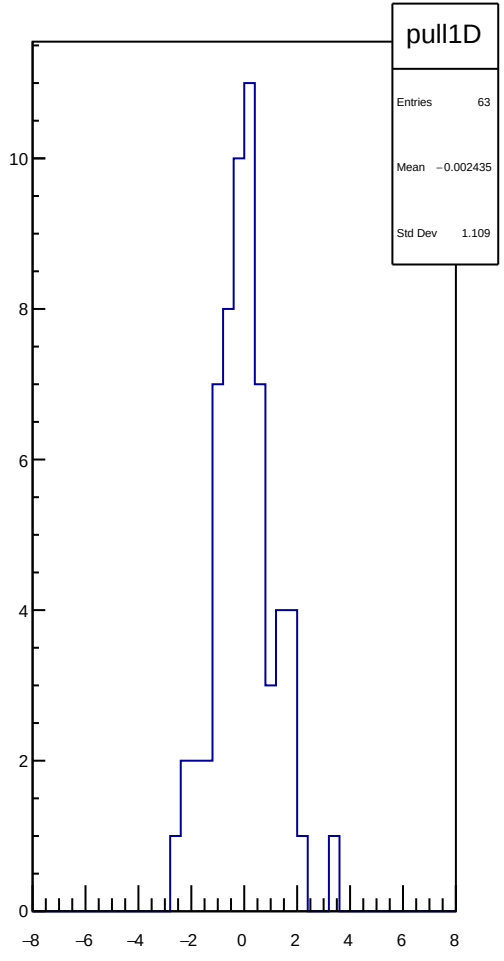

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1817 / 62
p0 556.9 ± 0.5064
660
640
620
600
580
560
540
520
500
480

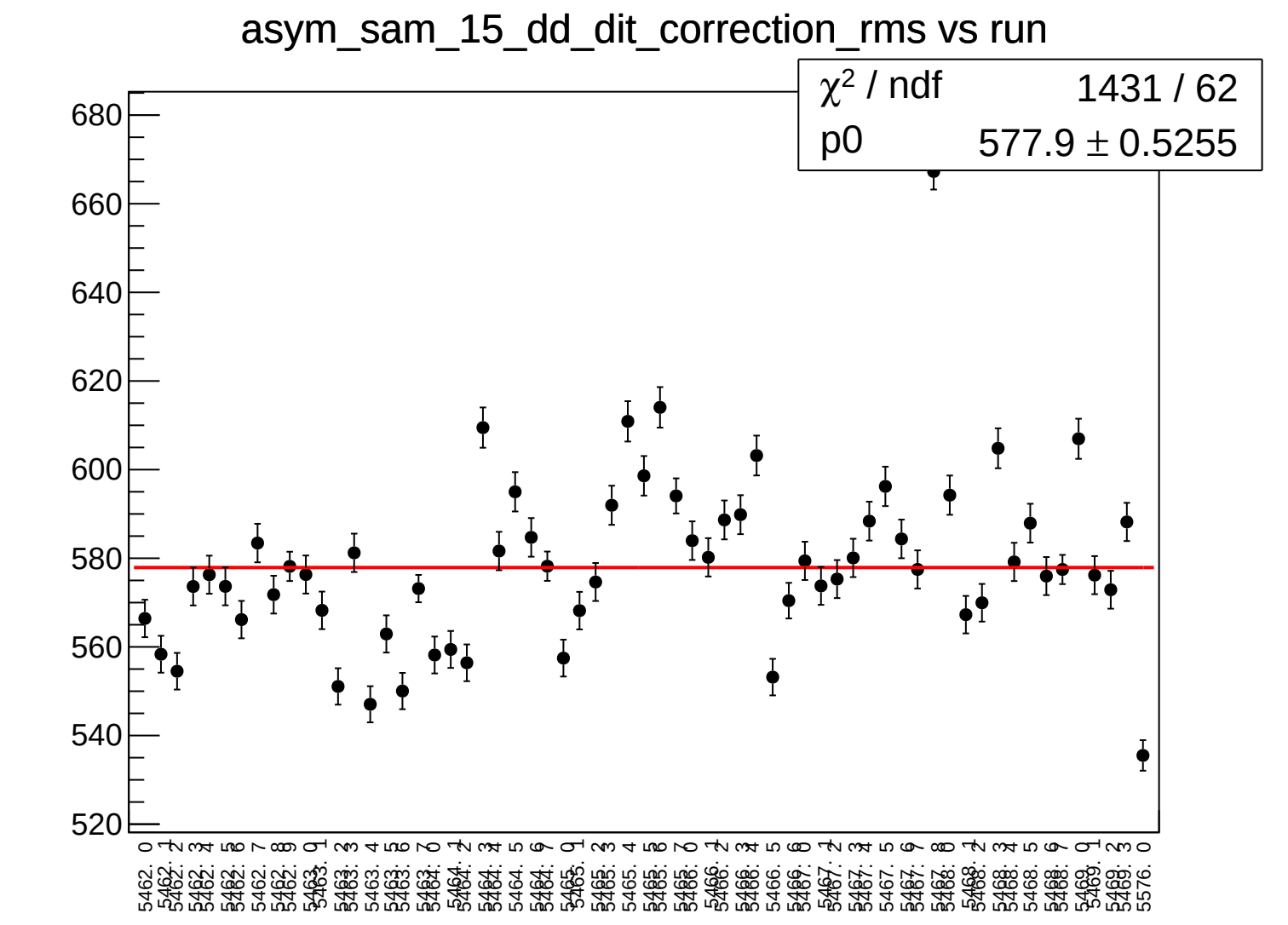

dit_asym_sam_15_dd_mean vs run
χ² / ndf 79.35 / 62
p0 −42.77 ± 130.9
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −127.7
Std Dev 0
3
2
1
0
−1
−2
−3

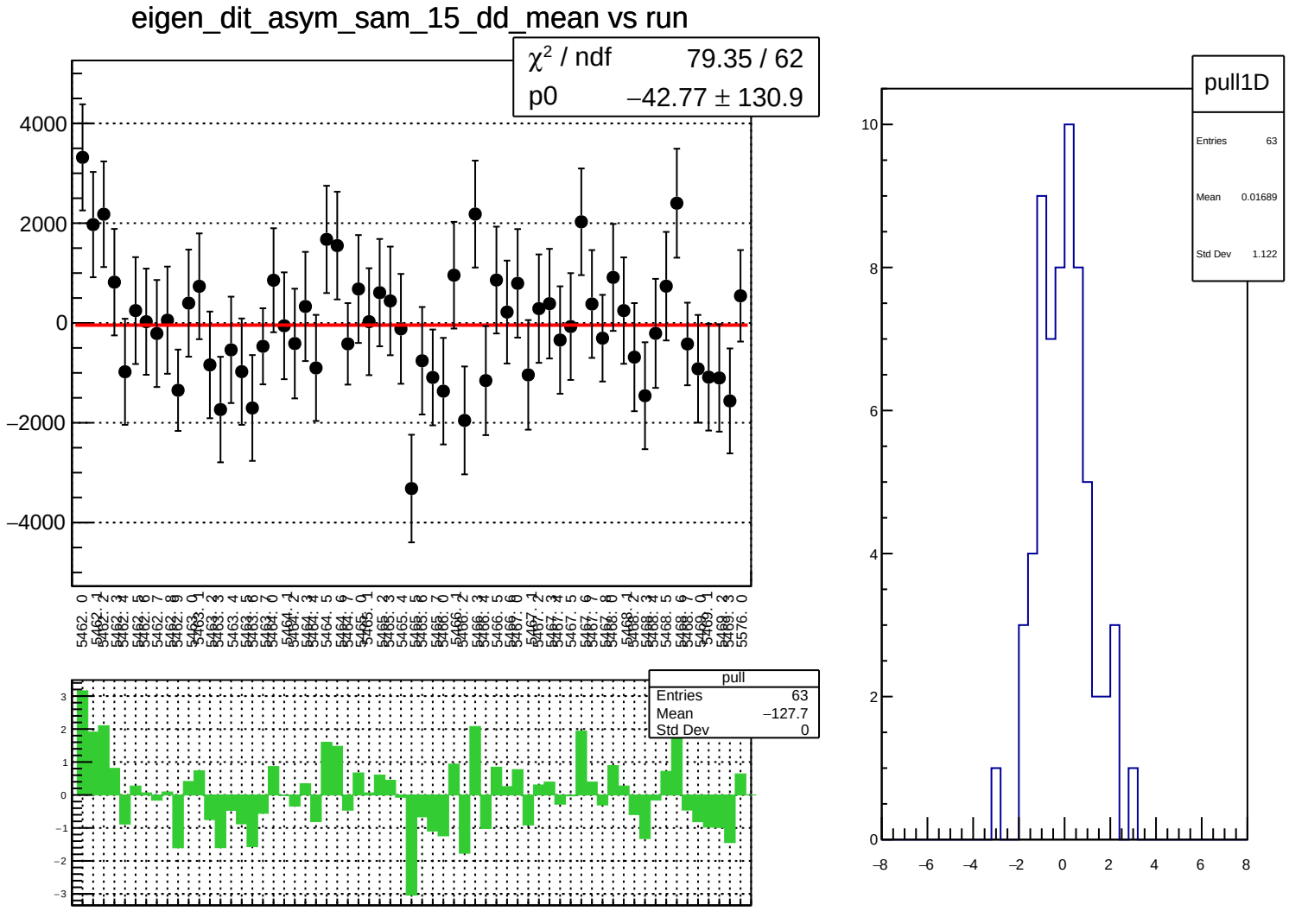

pull1D
Entries 63
Mean 0.01689
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

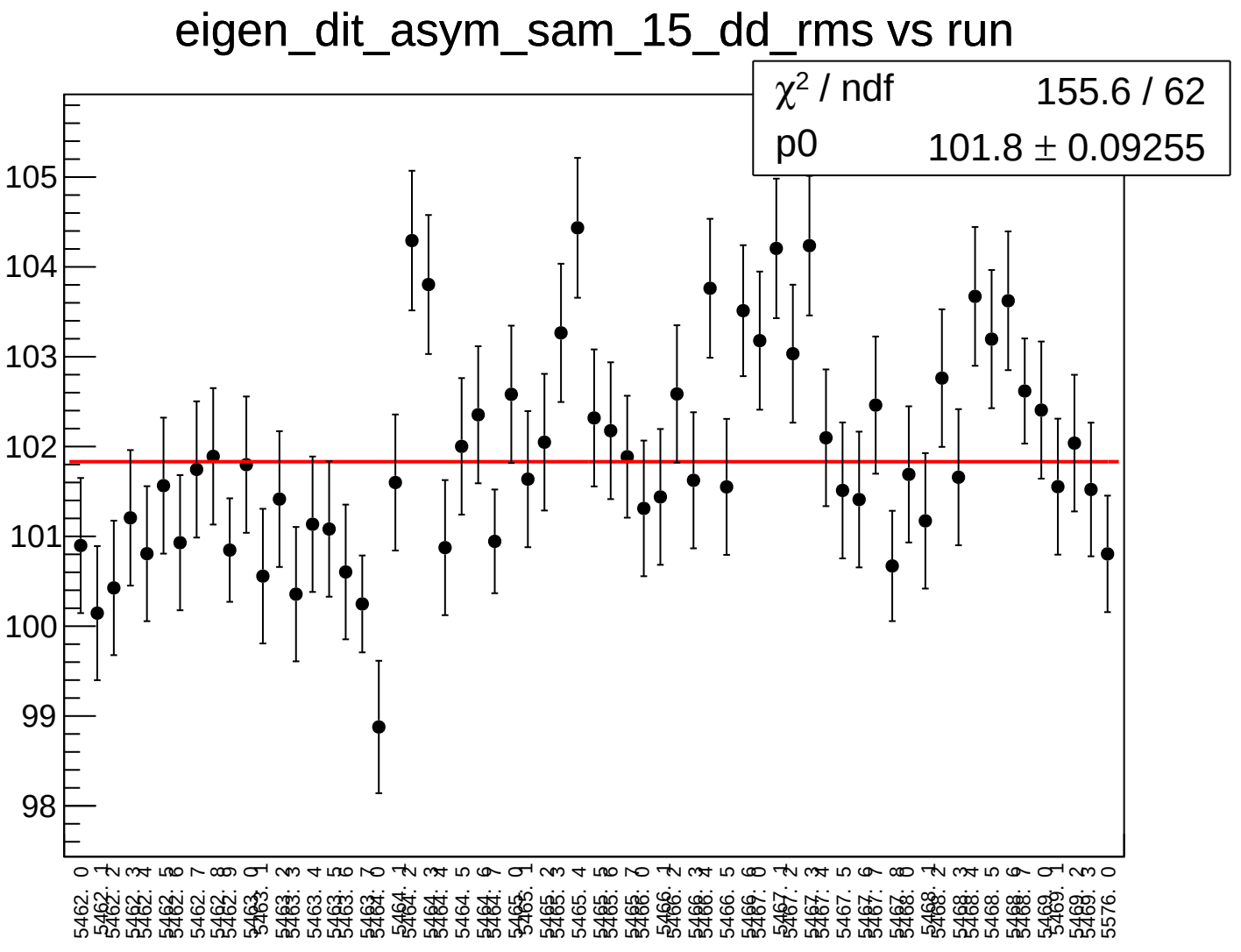

dit_asym_sam_15_dd_rms vs run
χ² / ndf 155.6 / 62
p0 101.8 ± 0.09255
105
104
103
102
101
100
99
98

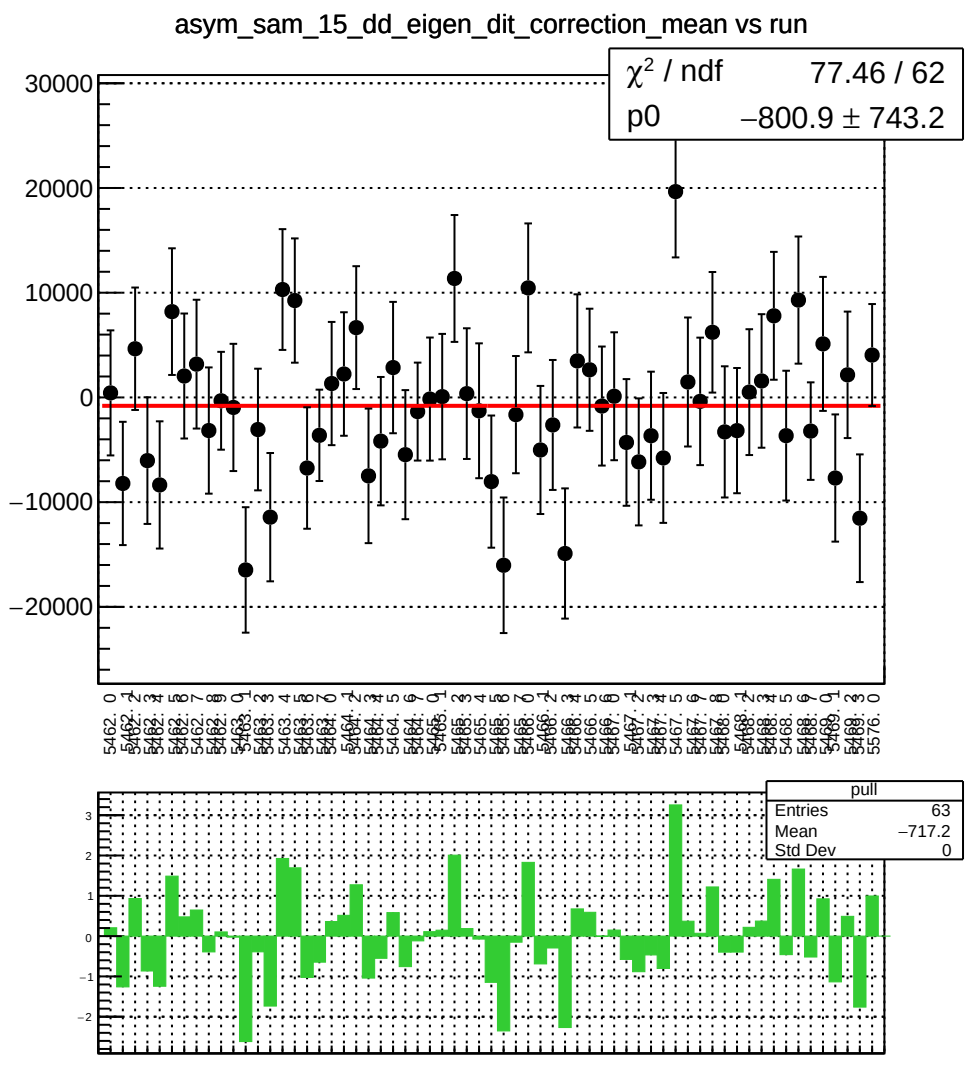

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 77.46 / 62
p0 −800.9 ± 743.2
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −717.2
Std Dev 0
3
2
1
0
−1
−2

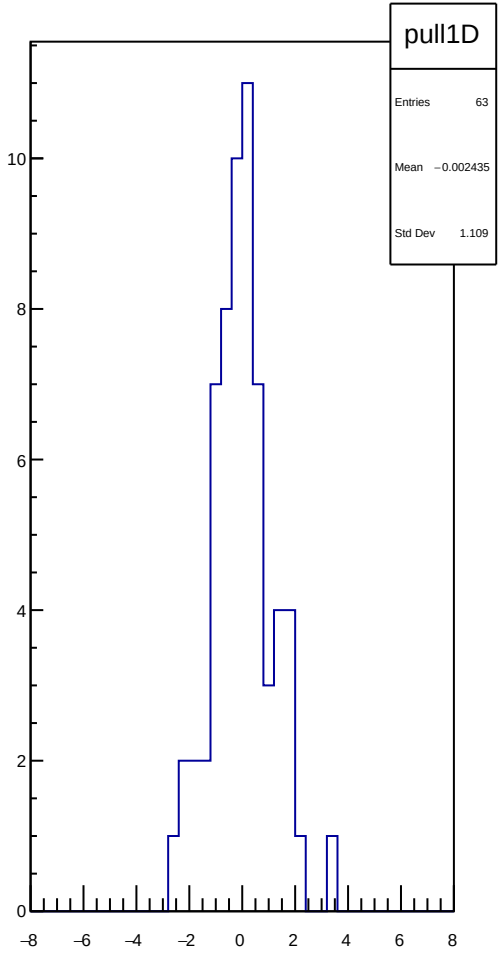

pull1D
Entries 63
Mean −0.002435
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

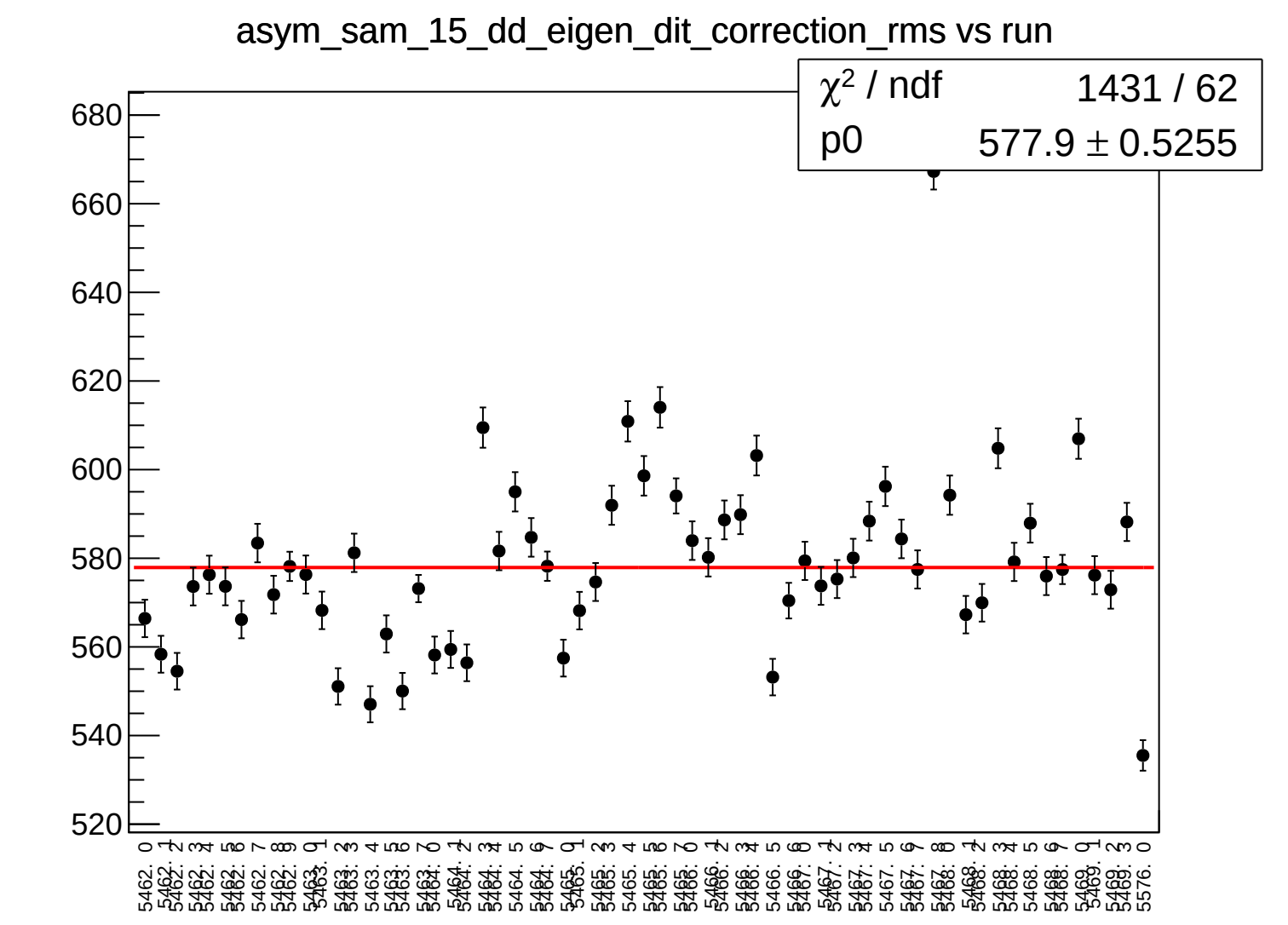

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1431 / 62
p0 577.9 ± 0.5255
680
660
640
620
600
580
560
540
520

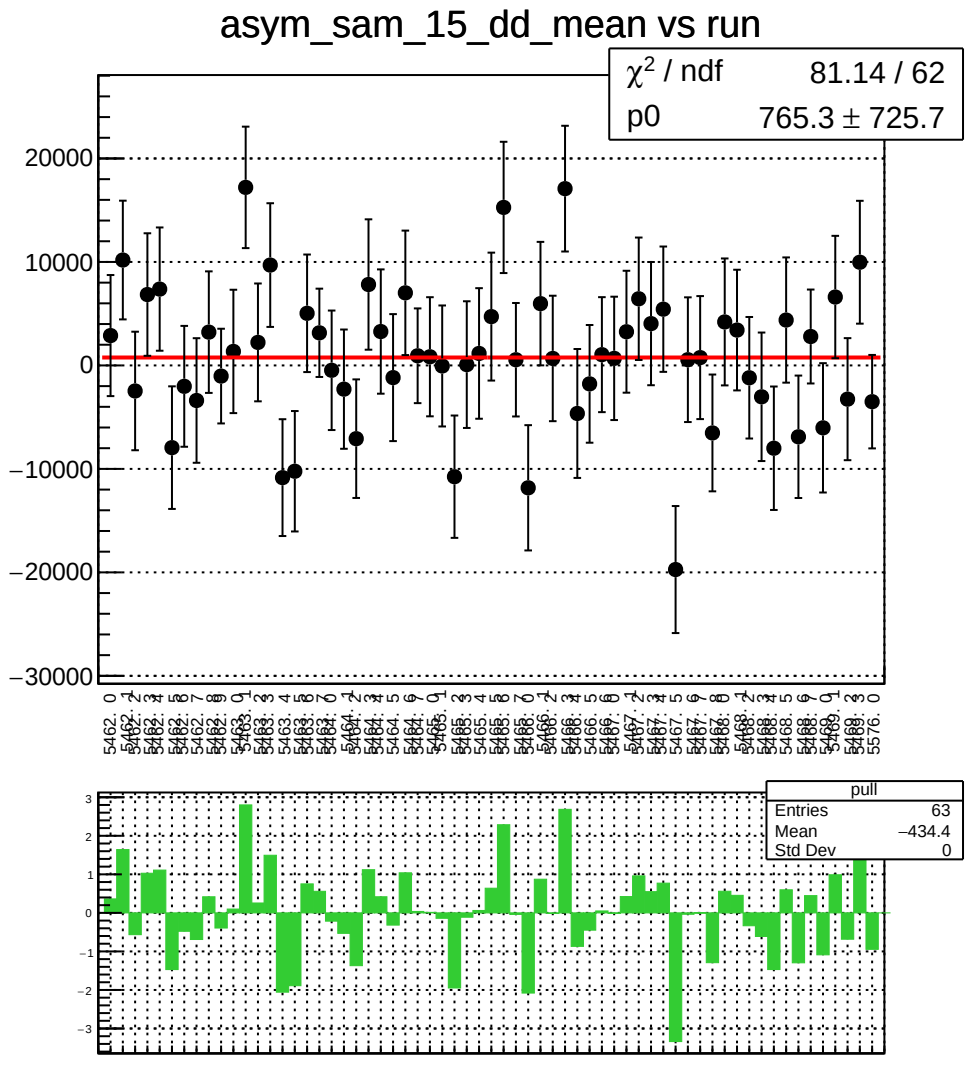

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 79.35 / 62
p0 −42.77 ± 130.9
pull
Entries 63
Mean −127.7
Std Dev 0
pull1D
Entries 63
Mean 0.01689
Std Dev 1.122

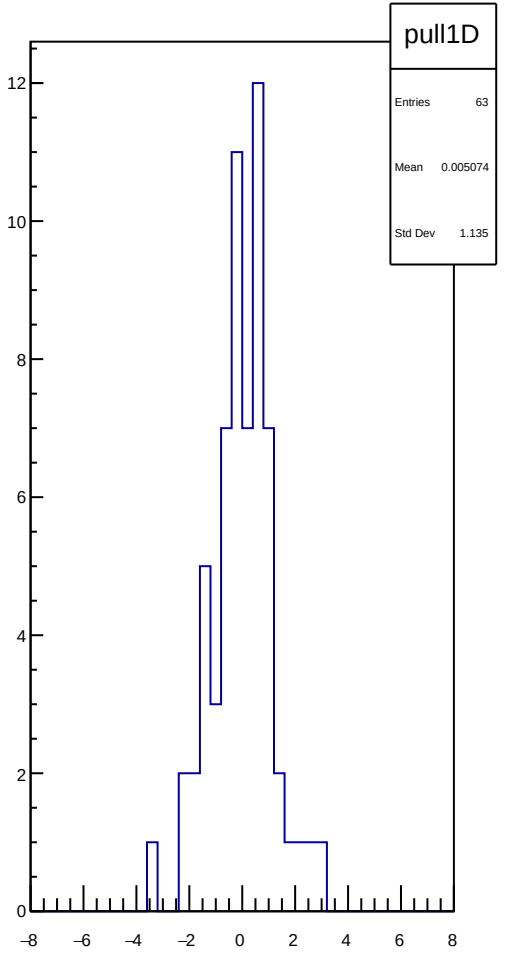

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 155.6 / 62
p0 101.8 ± 0.09255
105
104
103
102
101
100
99
98
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

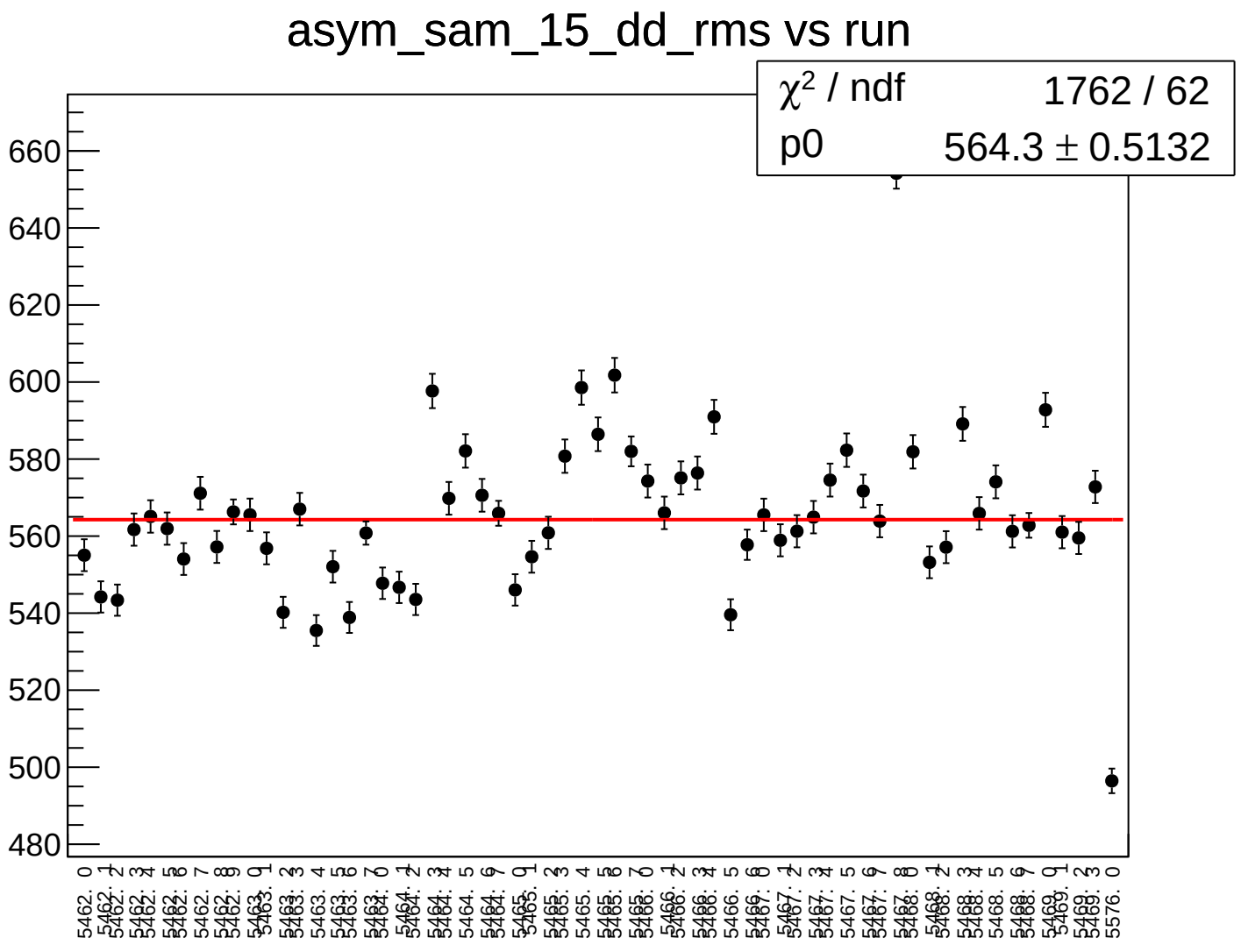

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.46 / 62
p0 −800.9 ± 743.2
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −717.2
Std Dev 0
3
2
1
0
−1
−2

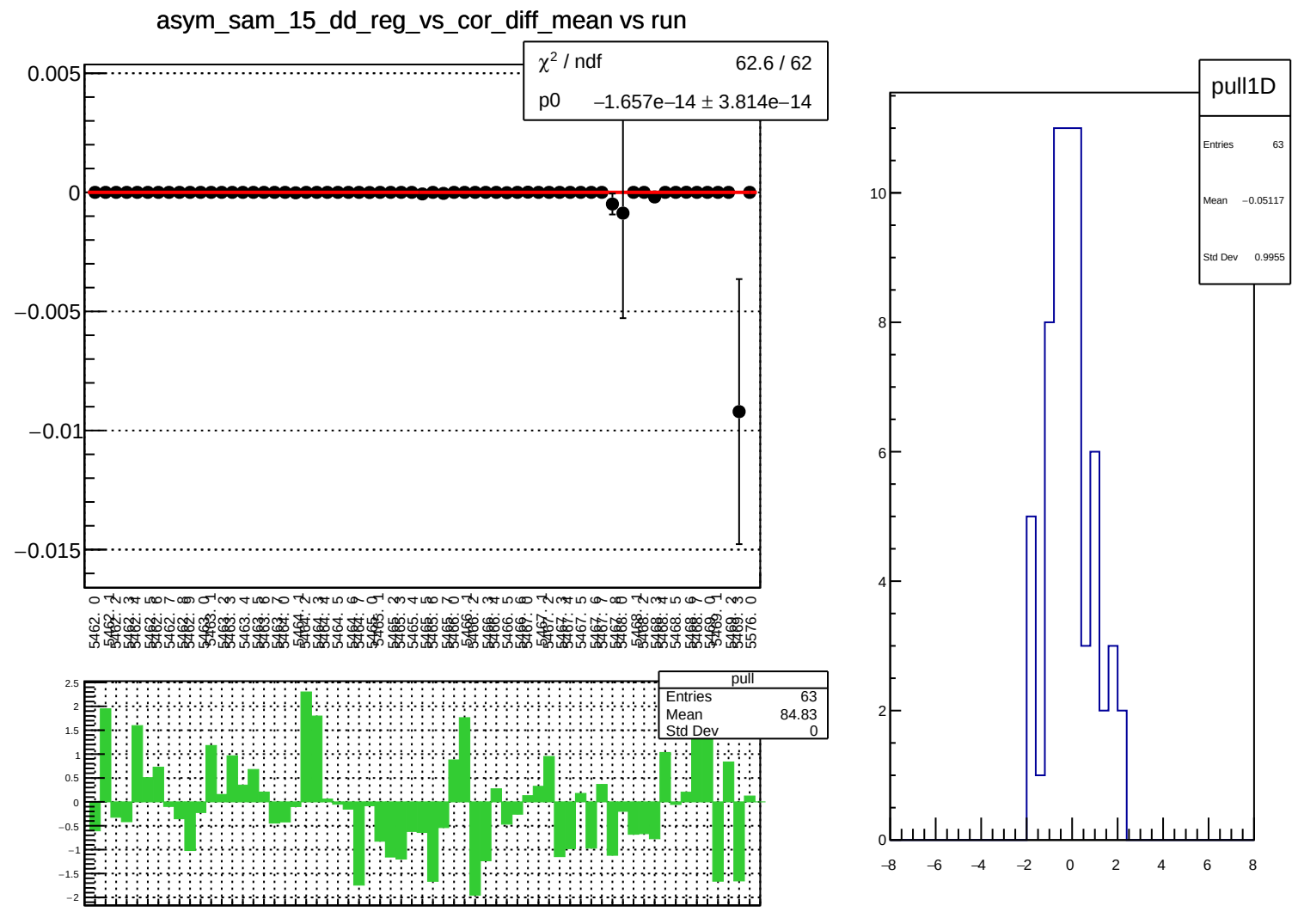

pull1D
Entries 63
Mean −0.002435
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

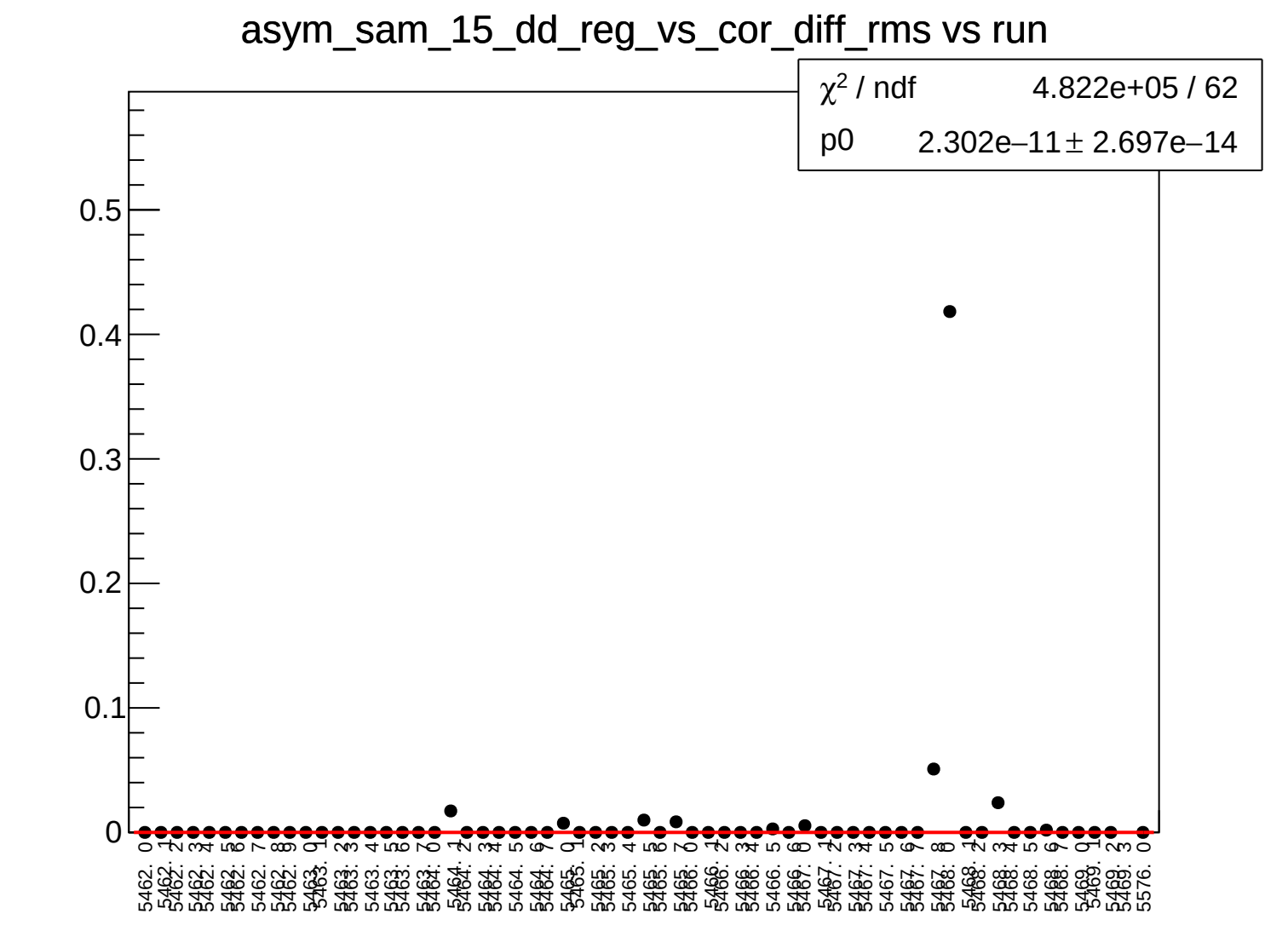

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1431 / 62
p0 577.9 ± 0.5255
680
660
640
620
600
580
560
540
520

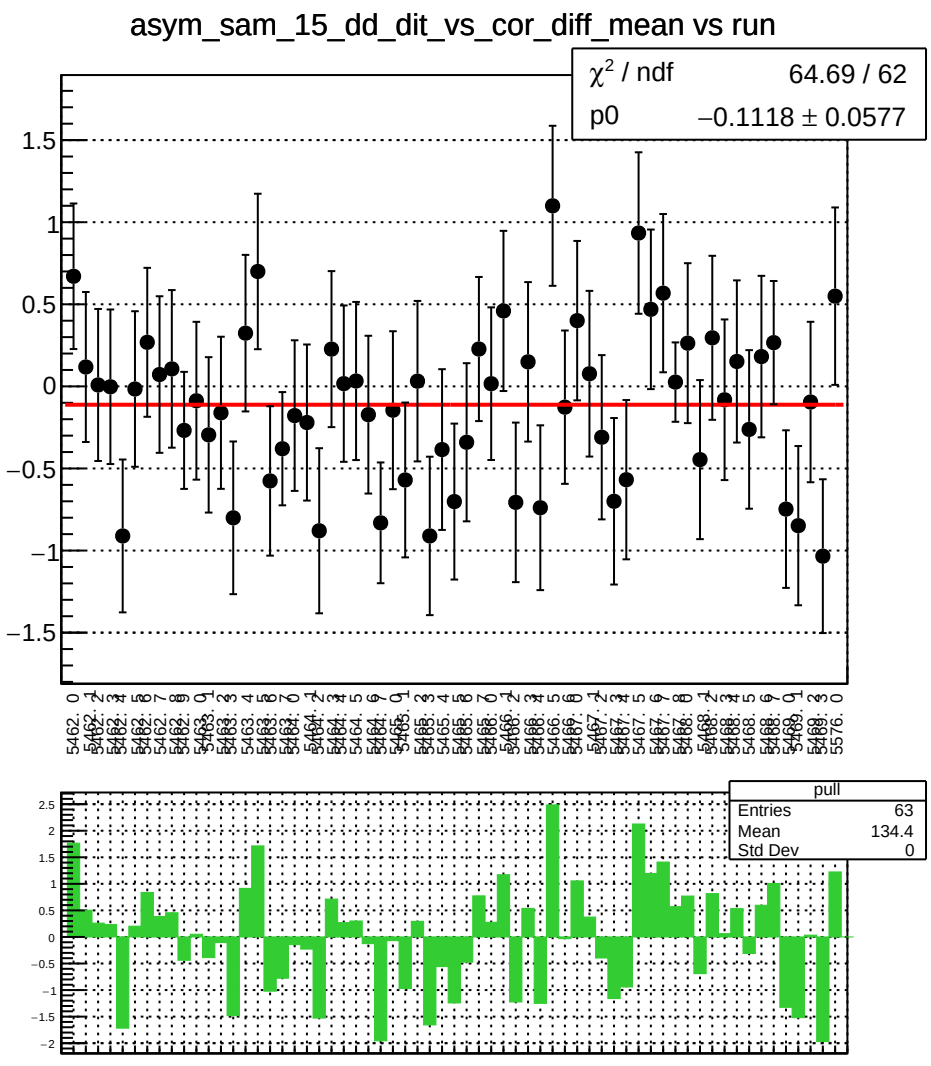

asym_sam_15_dd_mean vs run
χ^2 / ndf 81.14 / 62
p0 765.3 ± 725.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean −434.4
Std Dev 0
3
2
1
0
−1
−2
−3

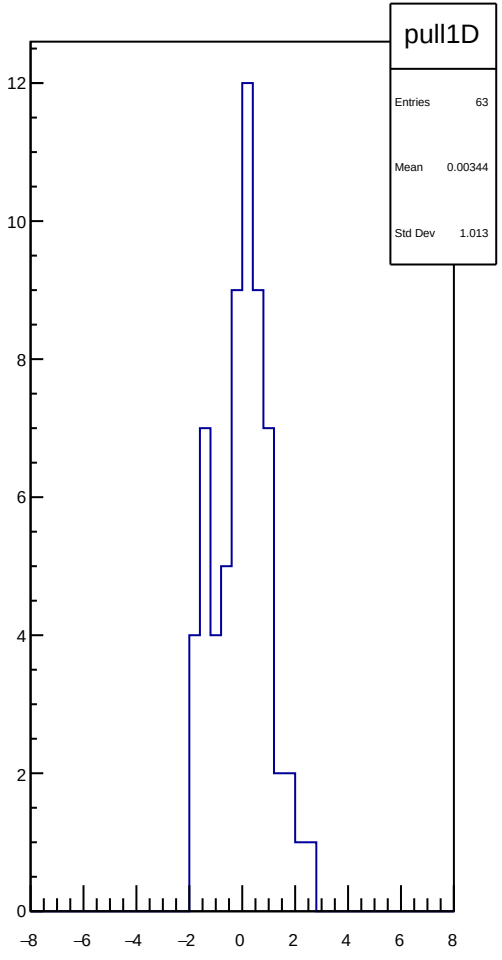

pull1D
Entries 63
Mean 0.005074
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

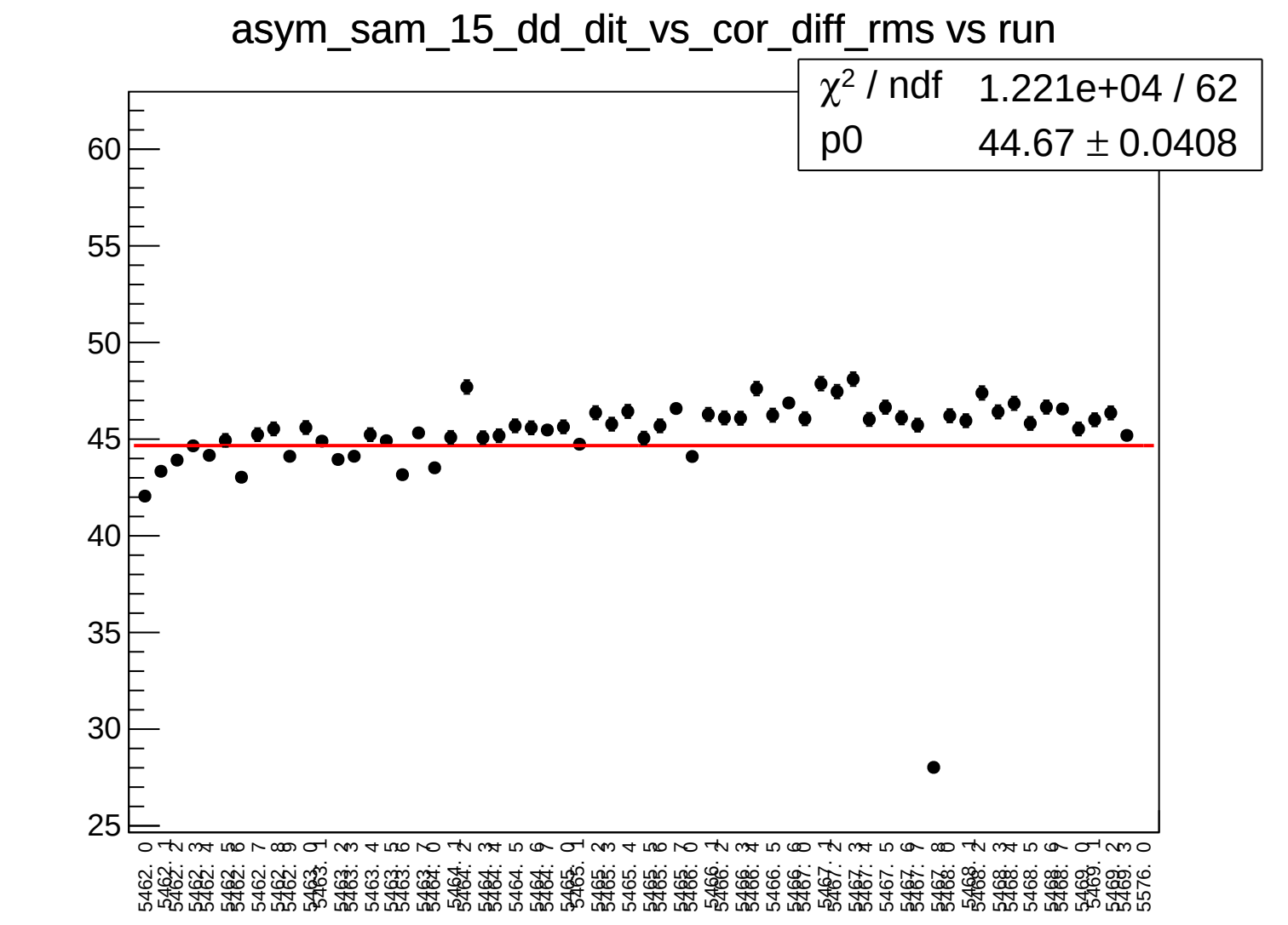

asym_sam_15_dd_rms vs run
χ² / ndf 1762 / 62
p0 564.3 ± 0.5132
660
640
620
600
580
560
540
520
500
480

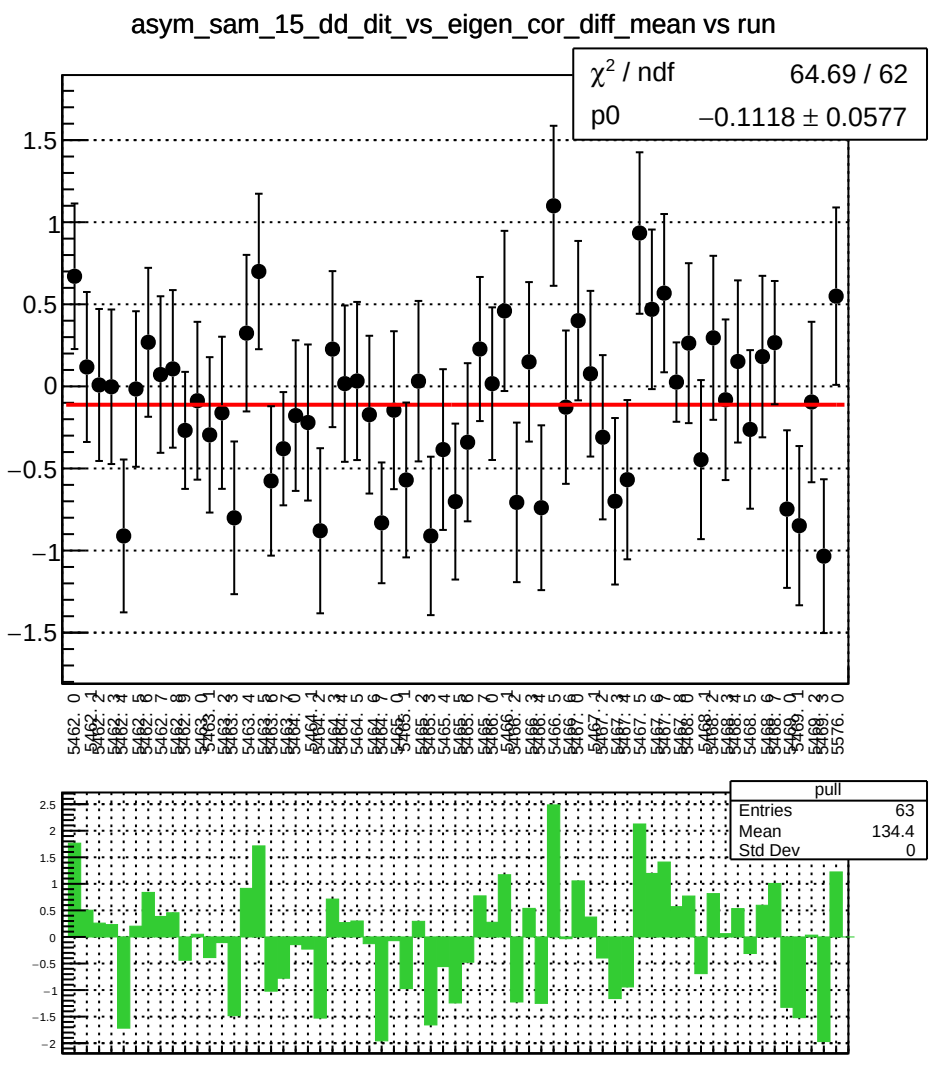

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 62.6 / 62
p0 −1.657e−14 ± 3.814e−14
0.005
0
−0.005
−0.01
−0.015
pull
Entries 63
Mean 84.83
Std Dev 0
pull1D
Entries 63
Mean −0.05117
Std Dev 0.9955

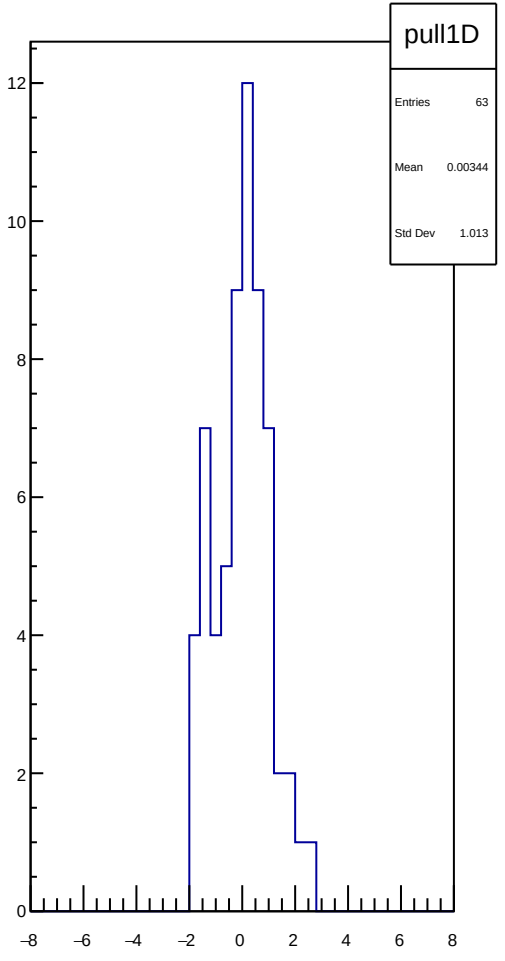

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.822e+05 / 62
p0 2.302e−11 ± 2.697e−14
0.5
0.4
0.3
0.2
0.1
0

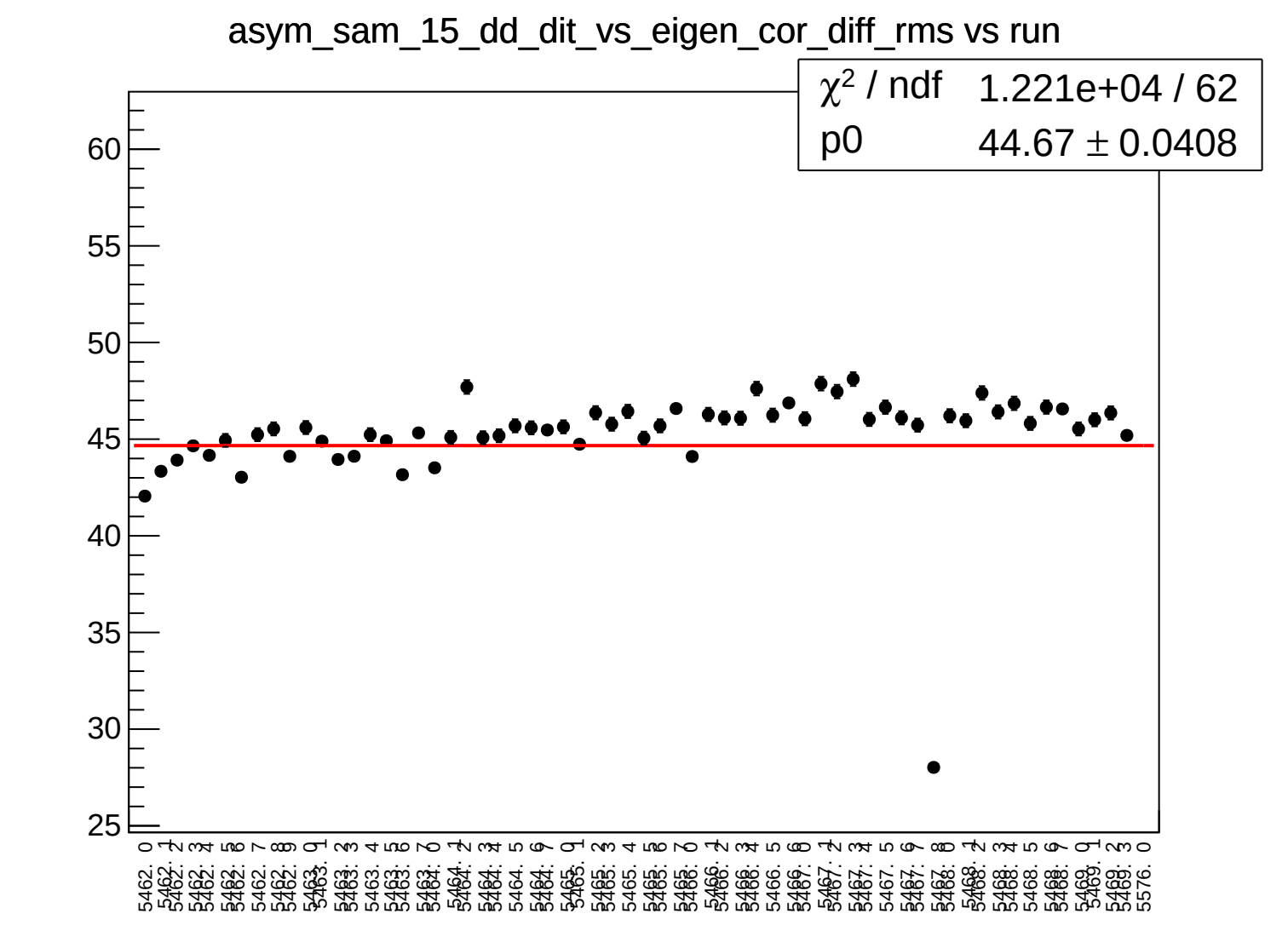

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.69 / 62
p0 −0.1118 ± 0.0577
pull
Entries 63
Mean 134.4
Std Dev 0

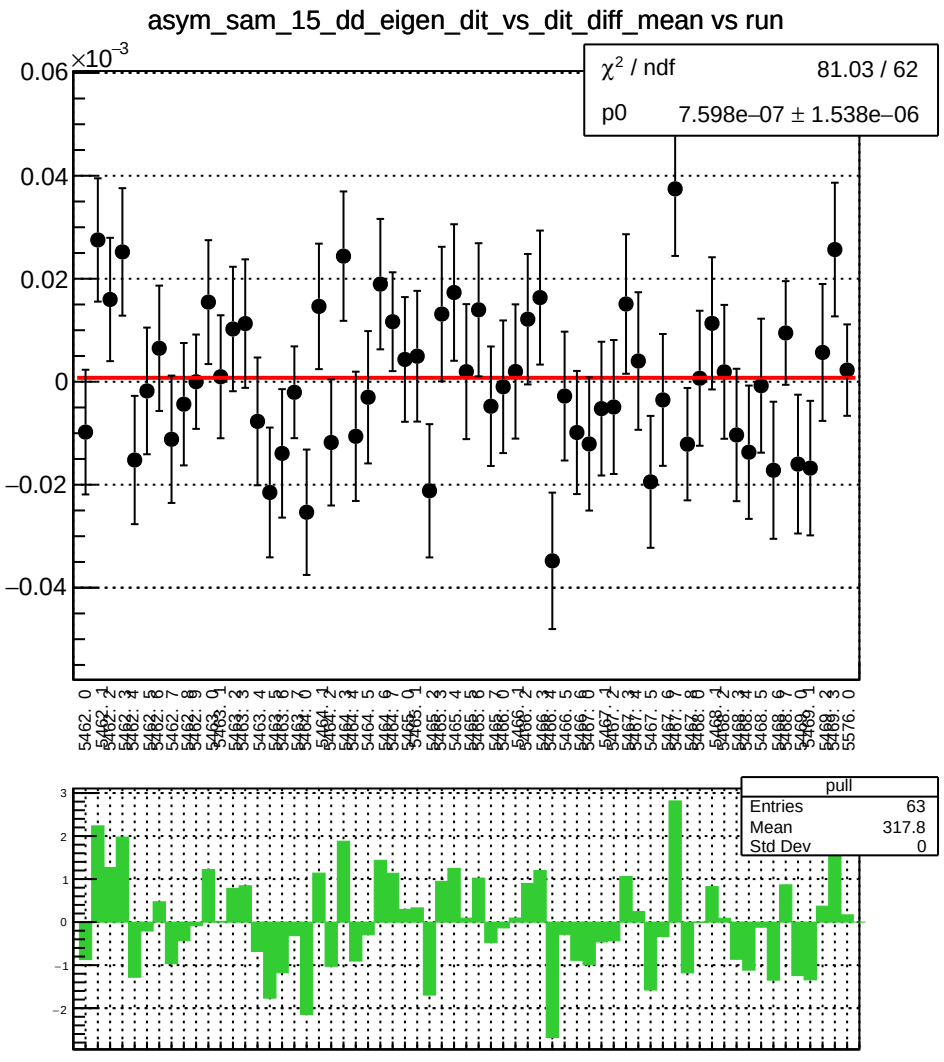

pull1D
Entries 63
Mean 0.00344
Std Dev 1.013

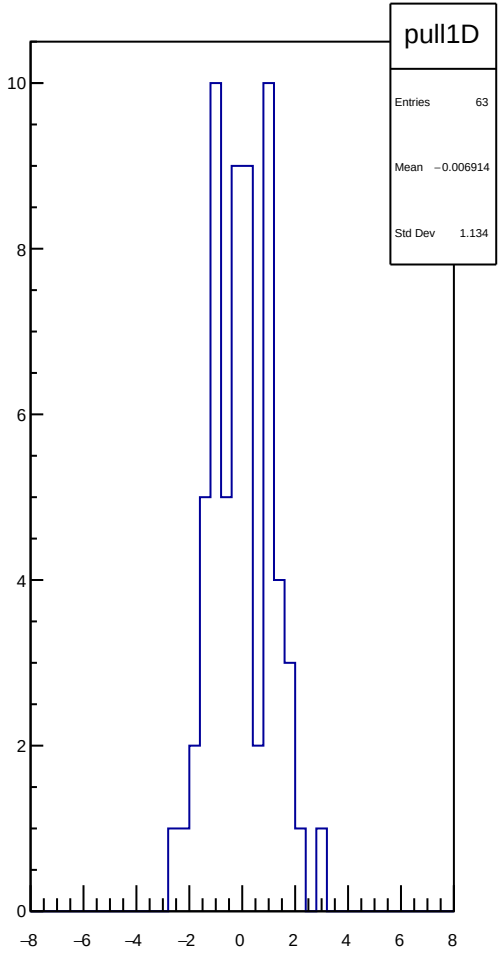

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 62
p0 44.67 ± 0.0408
60
55
50
45
40
35
30
25

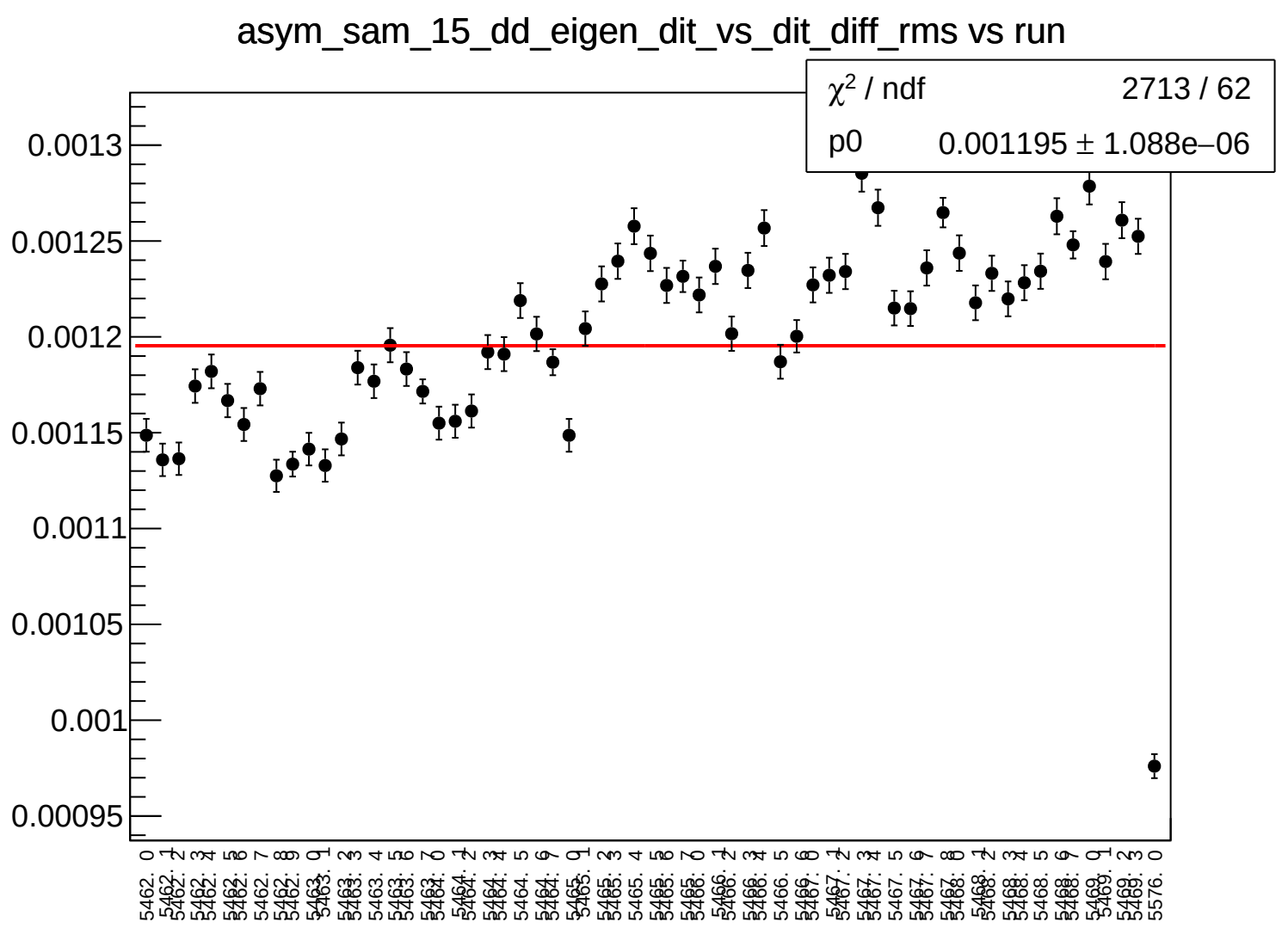

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.69 / 62
p0 −0.1118 ± 0.0577
pull
Entries 63
Mean 134.4
Std Dev 0

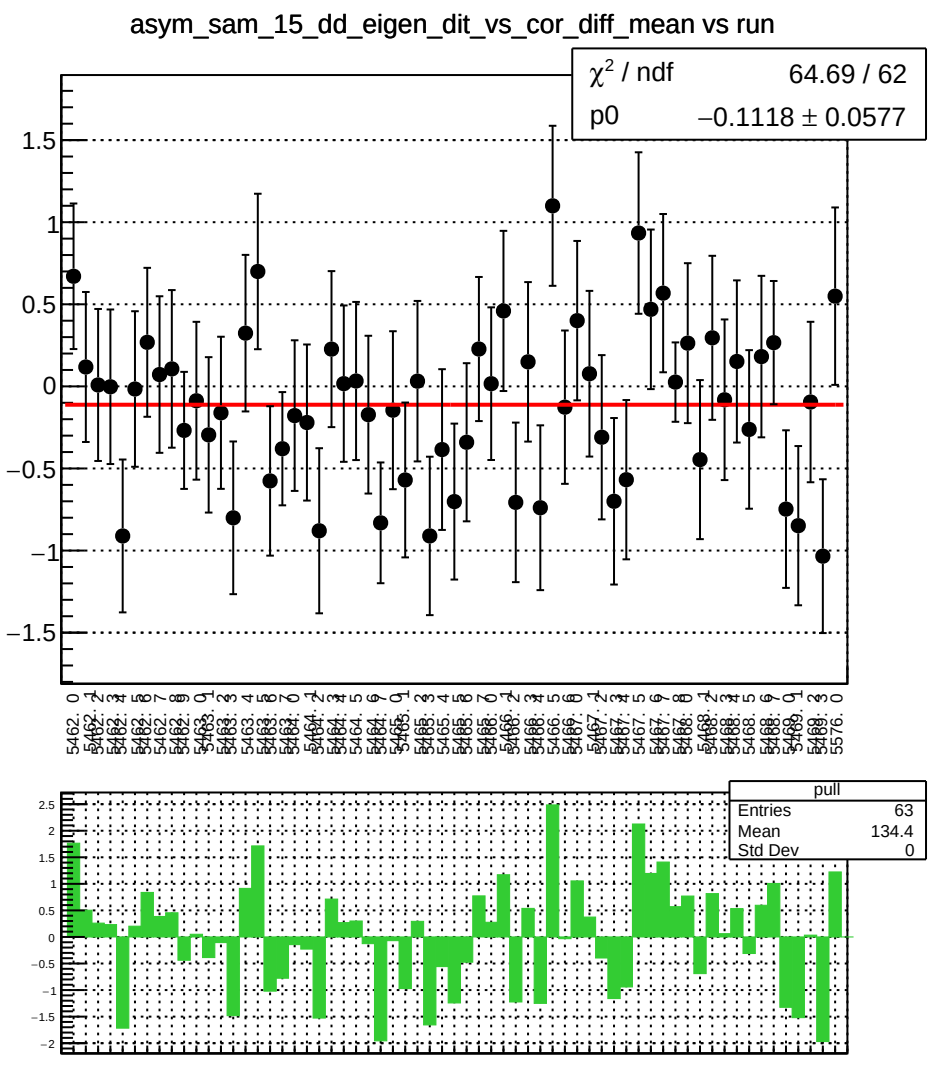

pull1D
Entries 63
Mean 0.00344
Std Dev 1.013

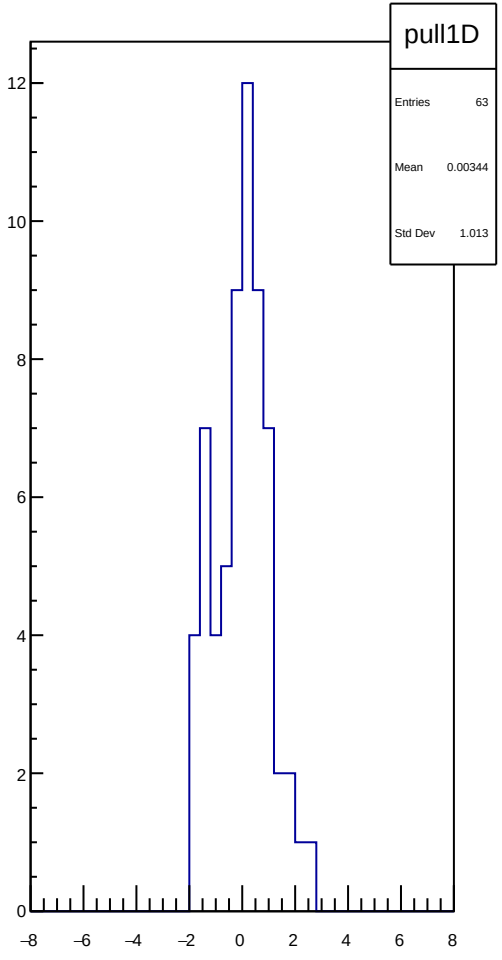

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 62
p0 44.67 ± 0.0408
60
55
50
45
40
35
30
25

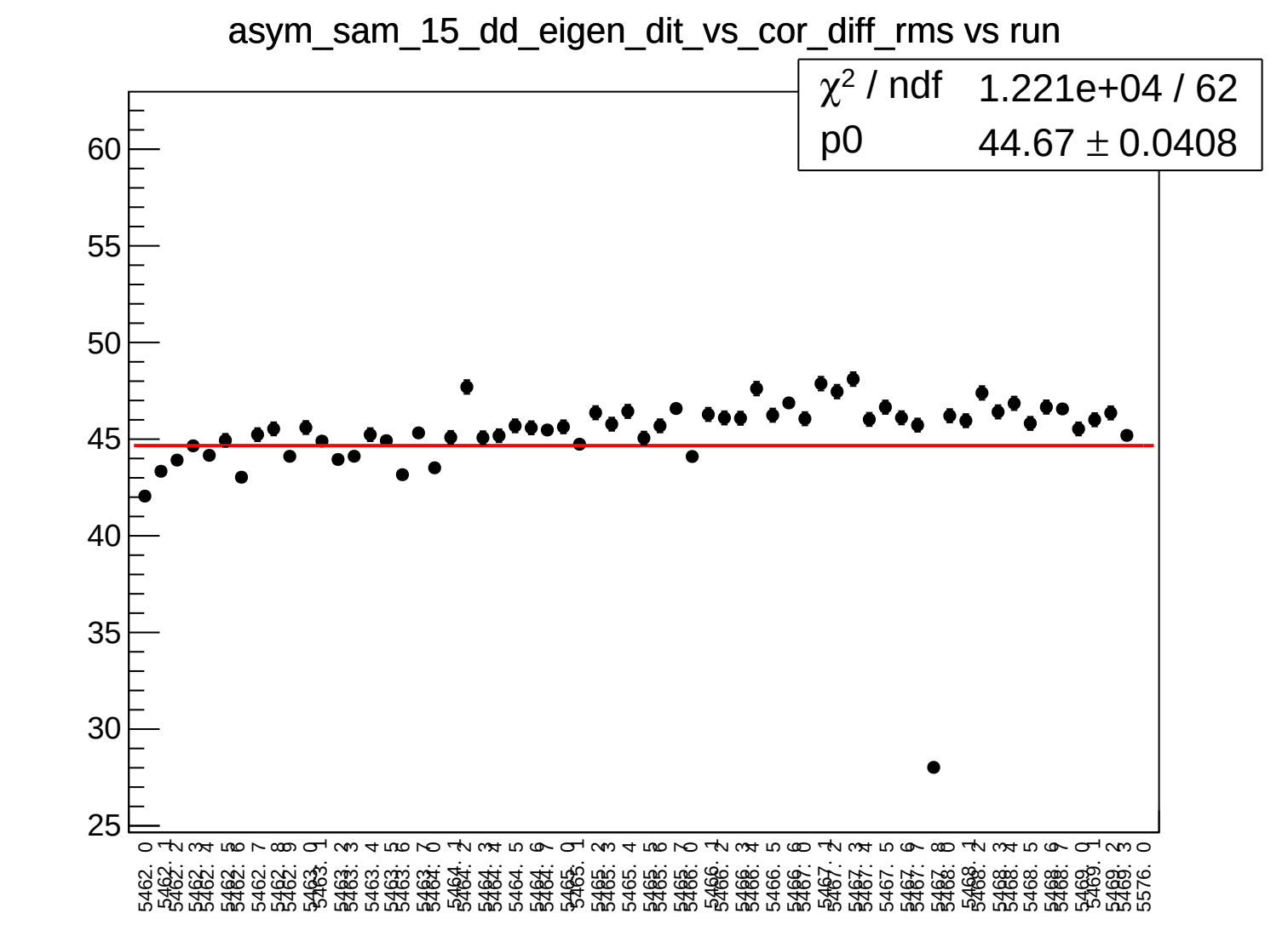

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.03 / 62
p0 7.598e−07 ± 1.538e−06
pull
Entries 63
Mean 317.8
Std Dev 0

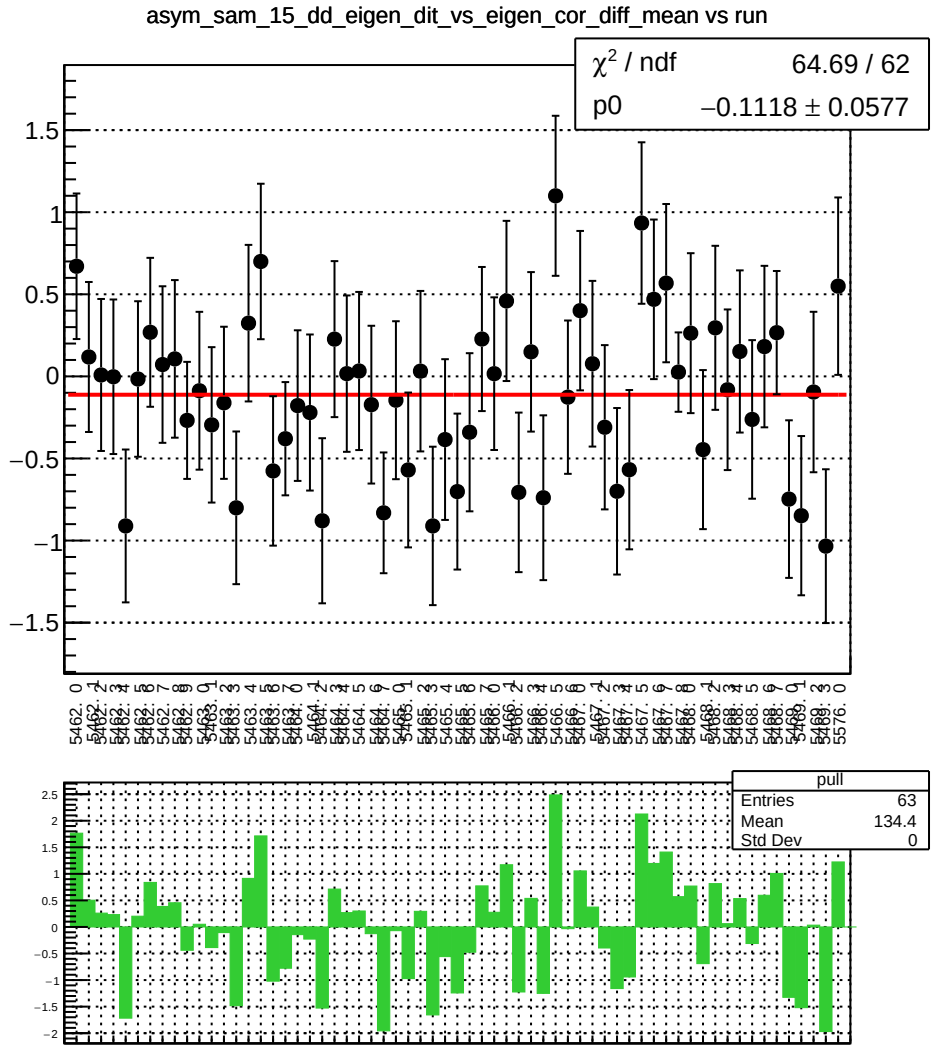

pull1D
Entries 63
Mean −0.006914
Std Dev 1.134

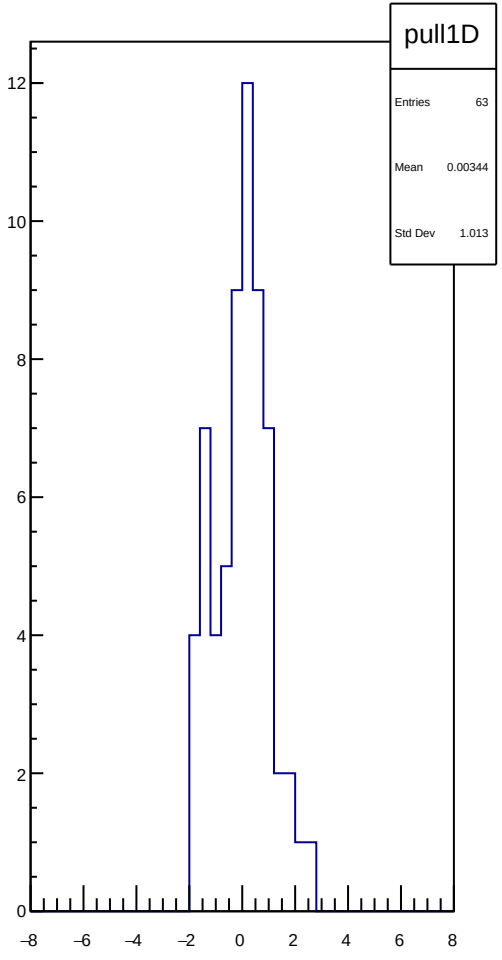

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2713 / 62
p0 0.001195 ± 1.088e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095

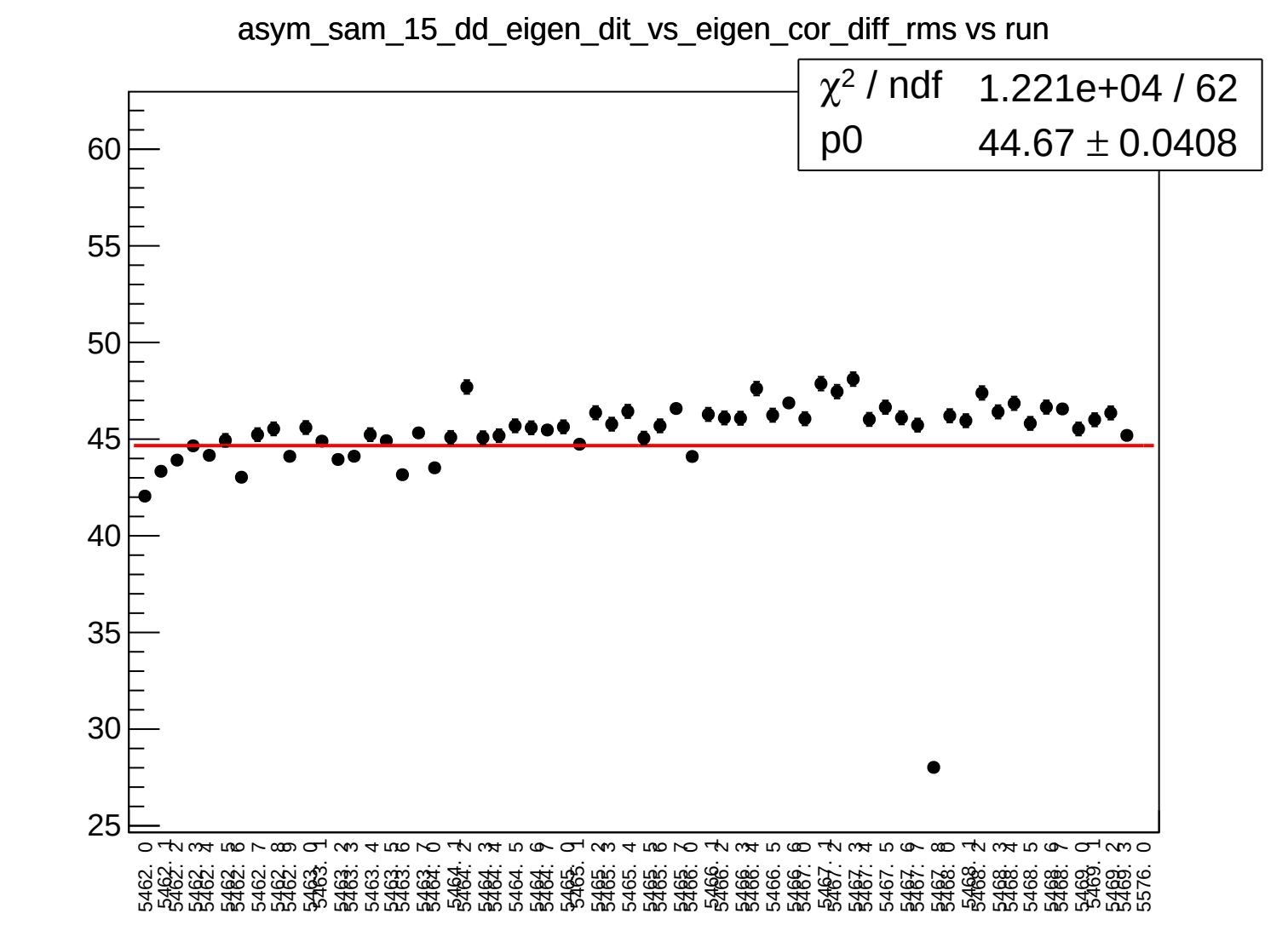

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.69 / 62
p0 −0.1118 ± 0.0577
pull
Entries 63
Mean 134.4
Std Dev 0

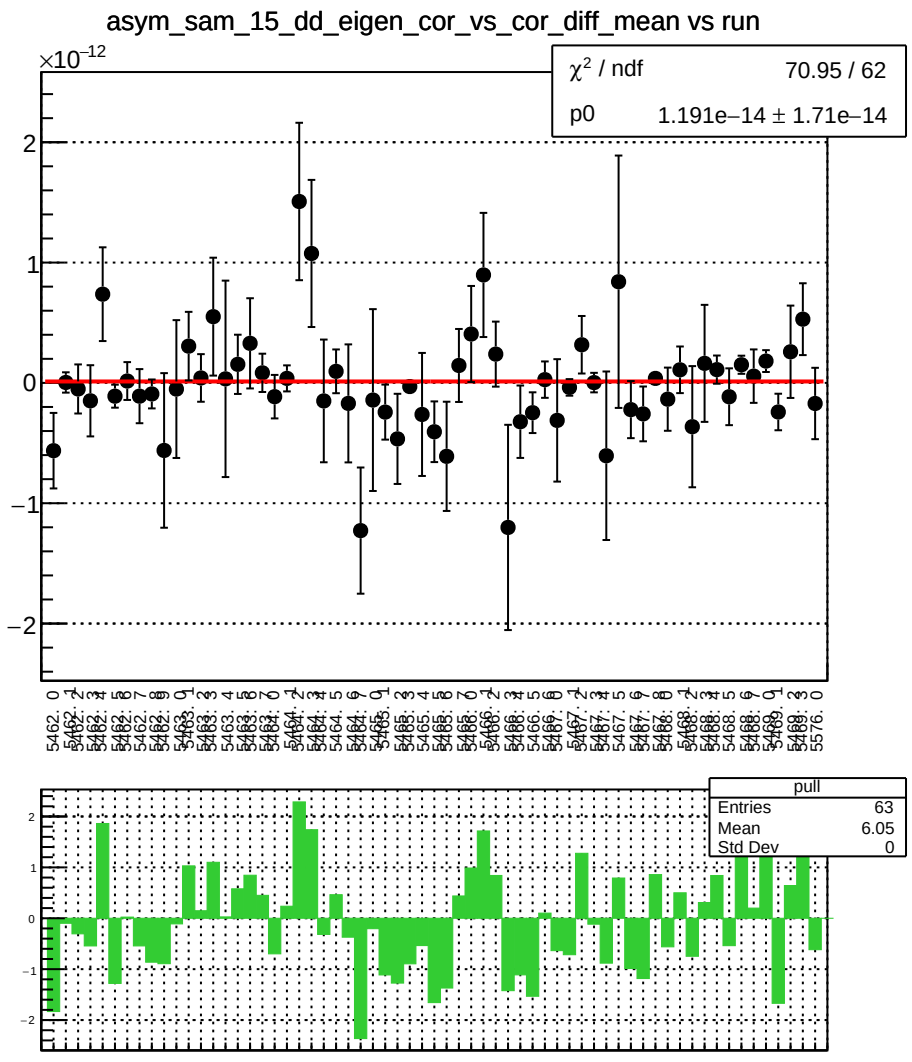

pull1D
Entries 63
Mean 0.00344
Std Dev 1.013

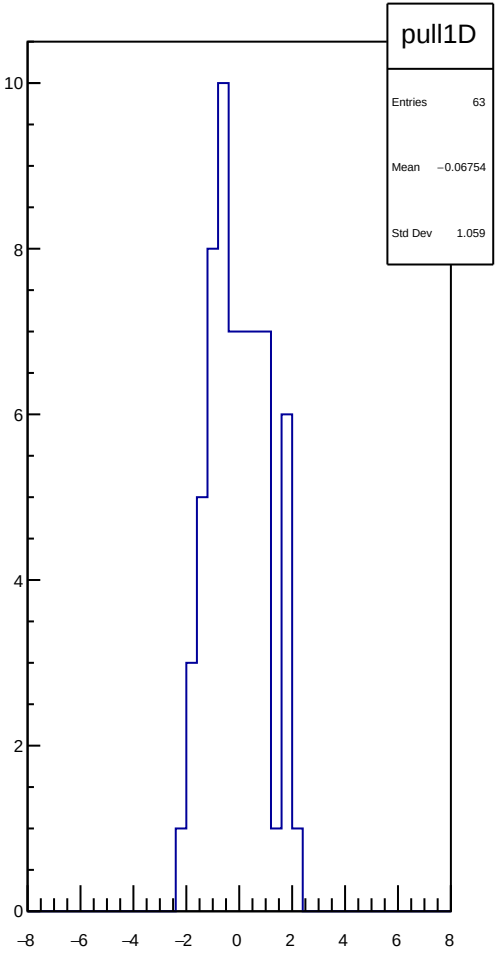

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 62
p0 44.67 ± 0.0408
60
55
50
45
40
35
30
25

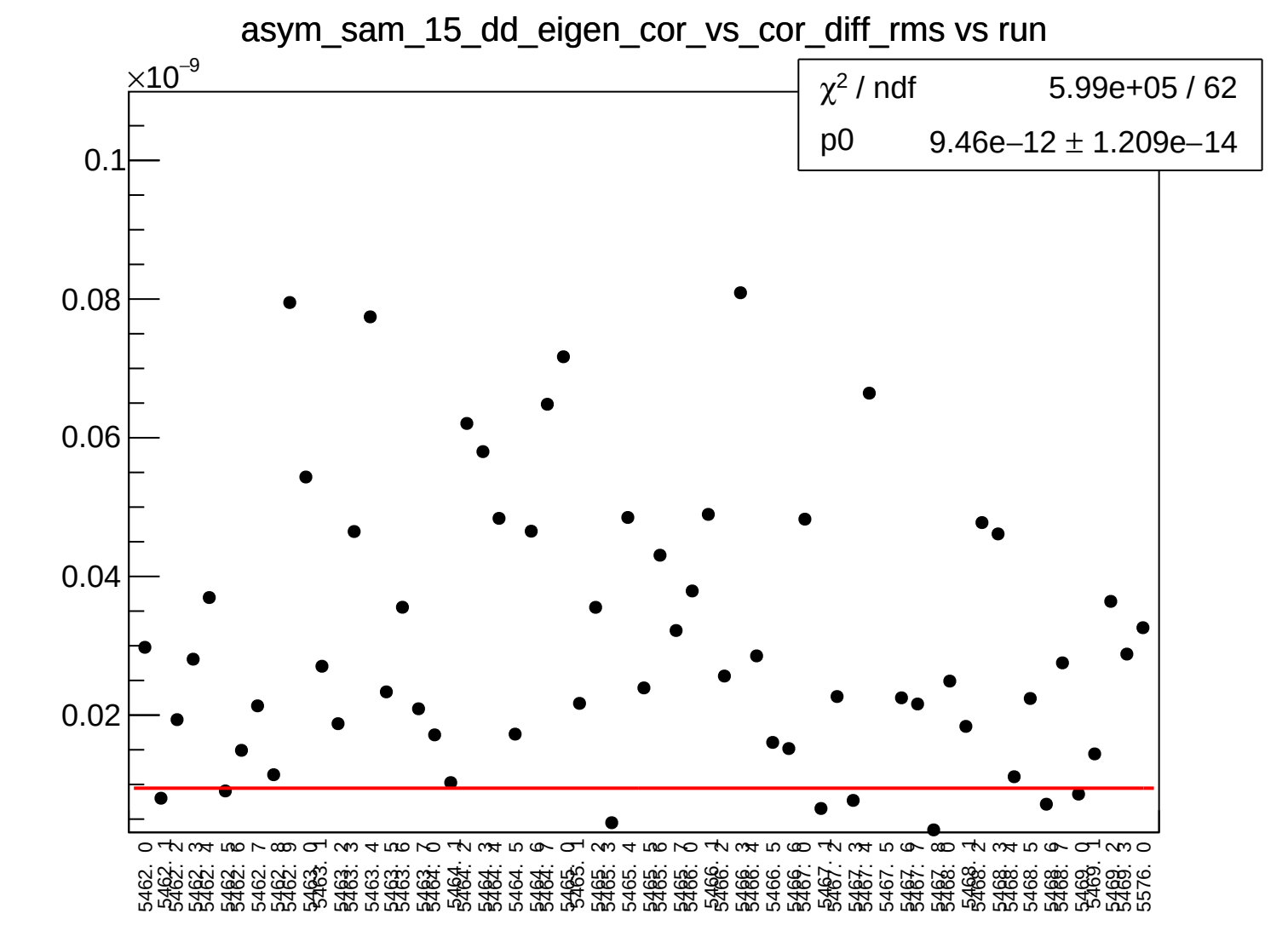

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.69 / 62
p0 −0.1118 ± 0.0577
pull
Entries 63
Mean 134.4
Std Dev 0

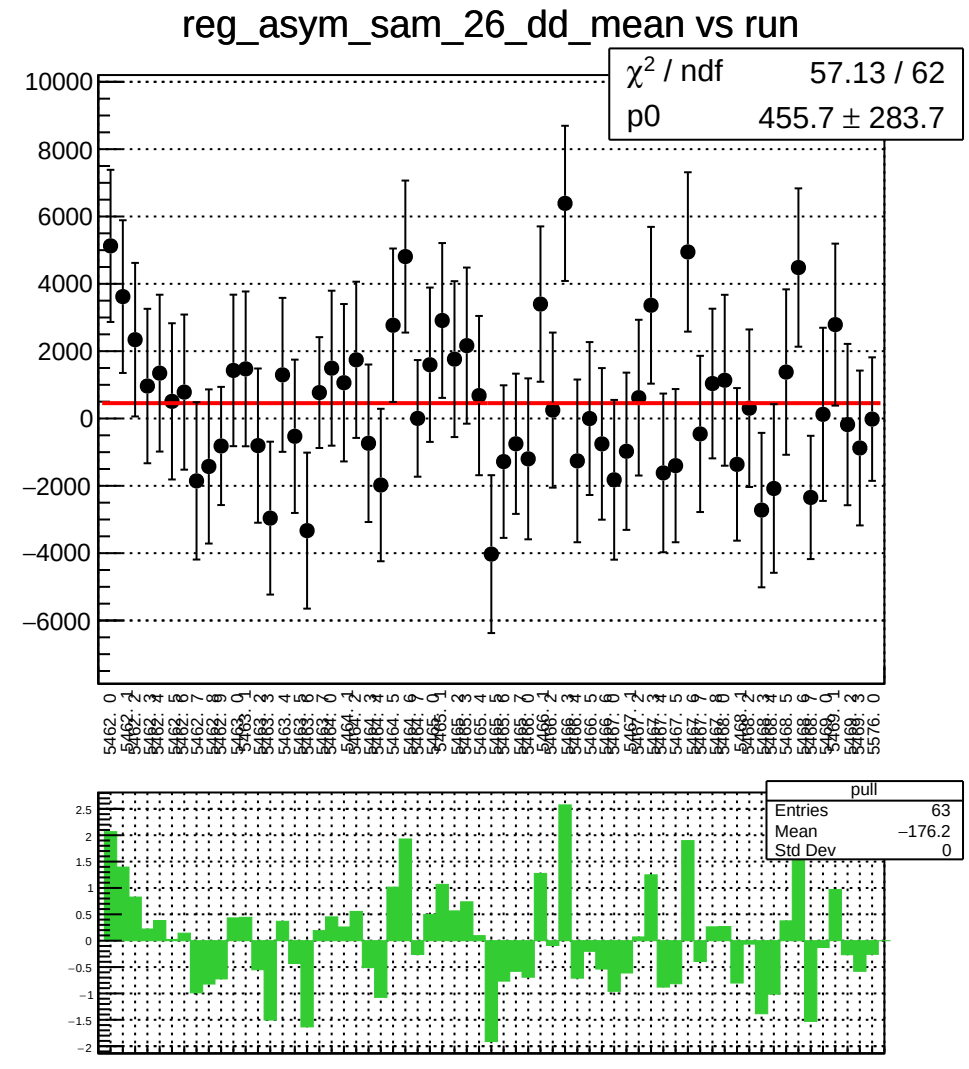

pull1D
Entries 63
Mean 0.00344
Std Dev 1.013

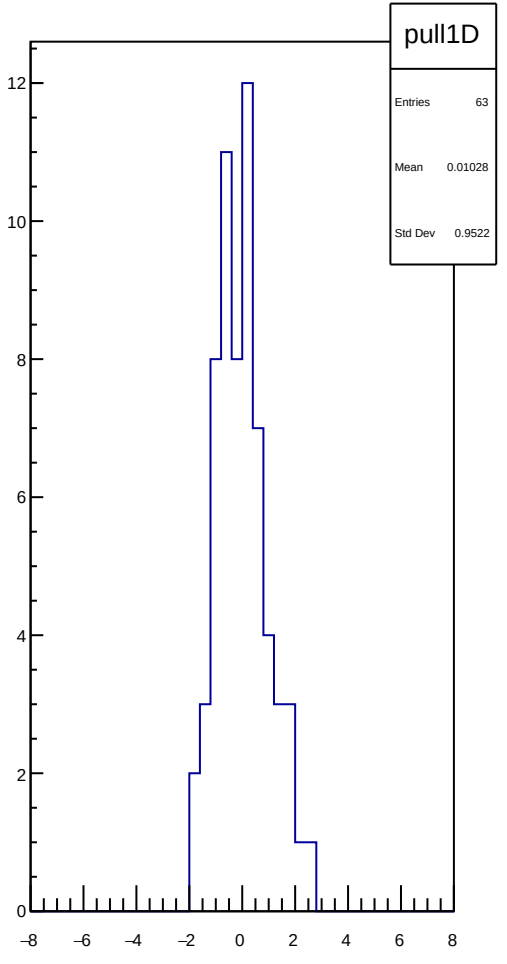

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 62
p0 44.67 ± 0.0408
60
55
50
45
40
35
30
25

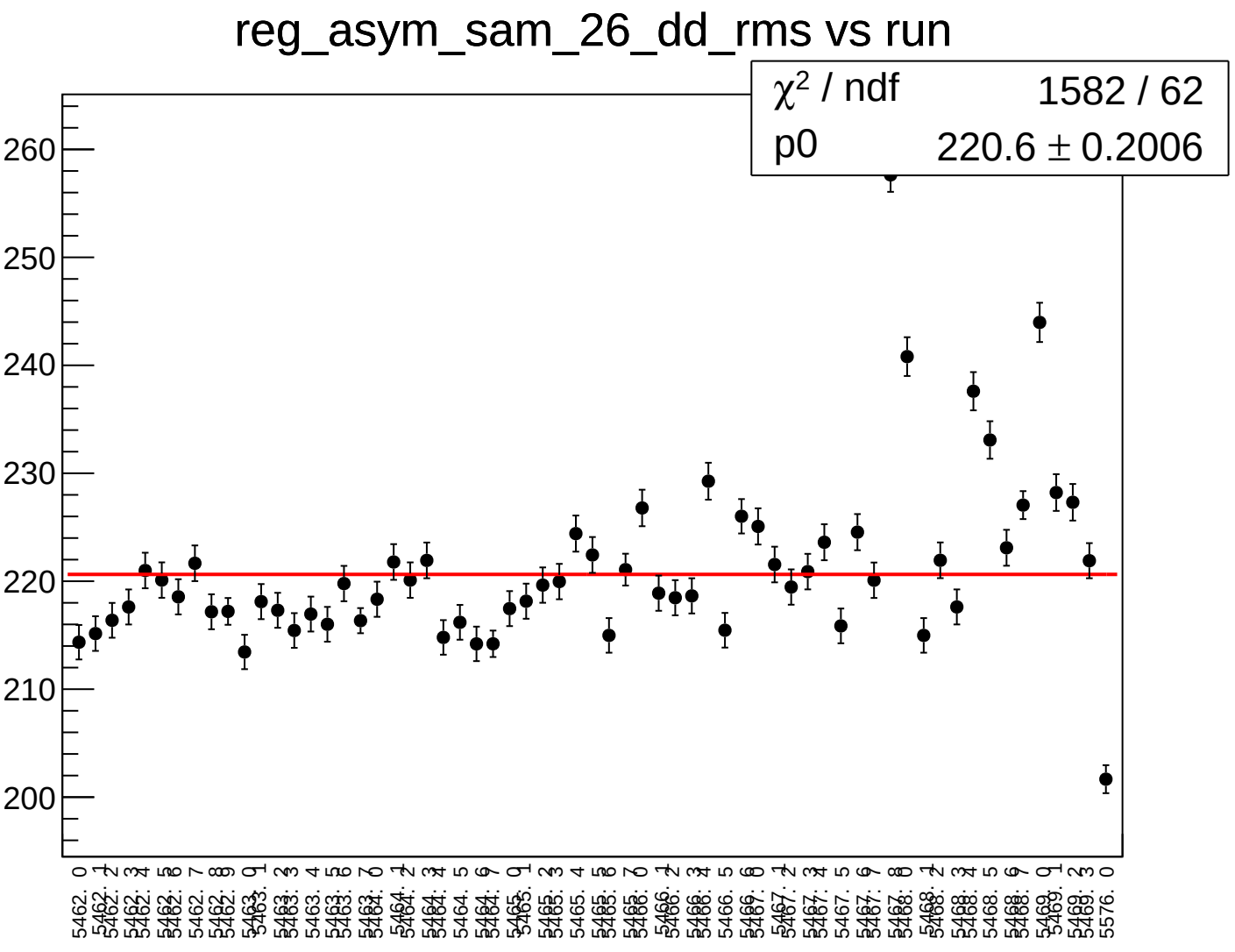

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.95 / 62
p0 1.191e−14 ± 1.71e−14
pull
Entries 63
Mean 6.05
Std Dev 0

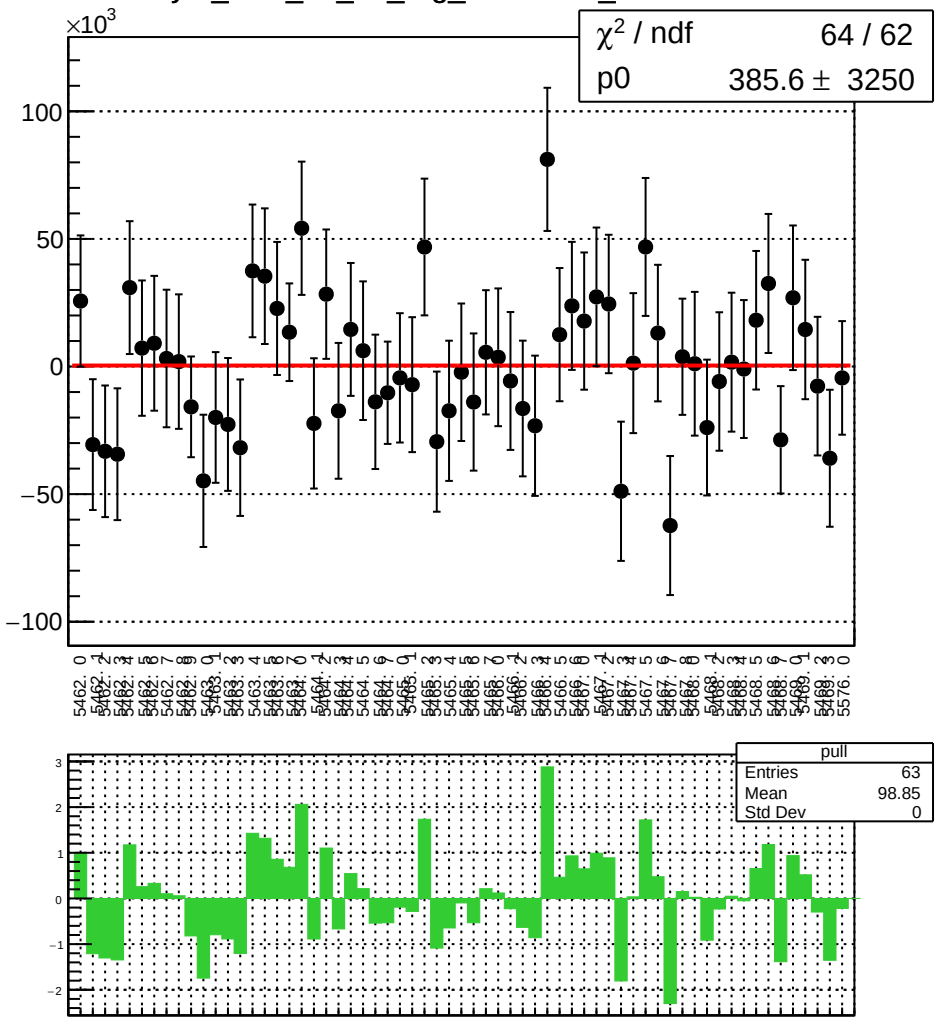

pull1D
Entries 63
Mean −0.06754
Std Dev 1.059

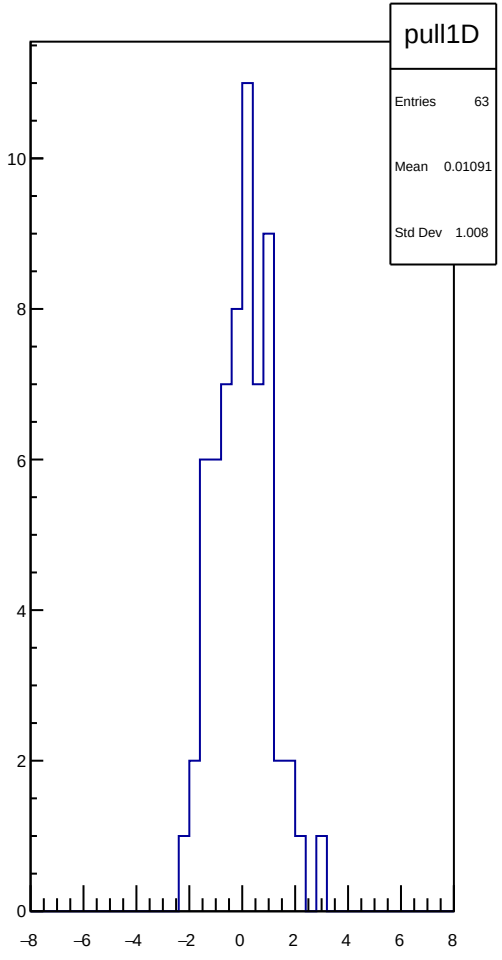

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.99e+05 / 62
p0 9.46e−12 ± 1.209e−14
0.1
0.08
0.06
0.04
0.02

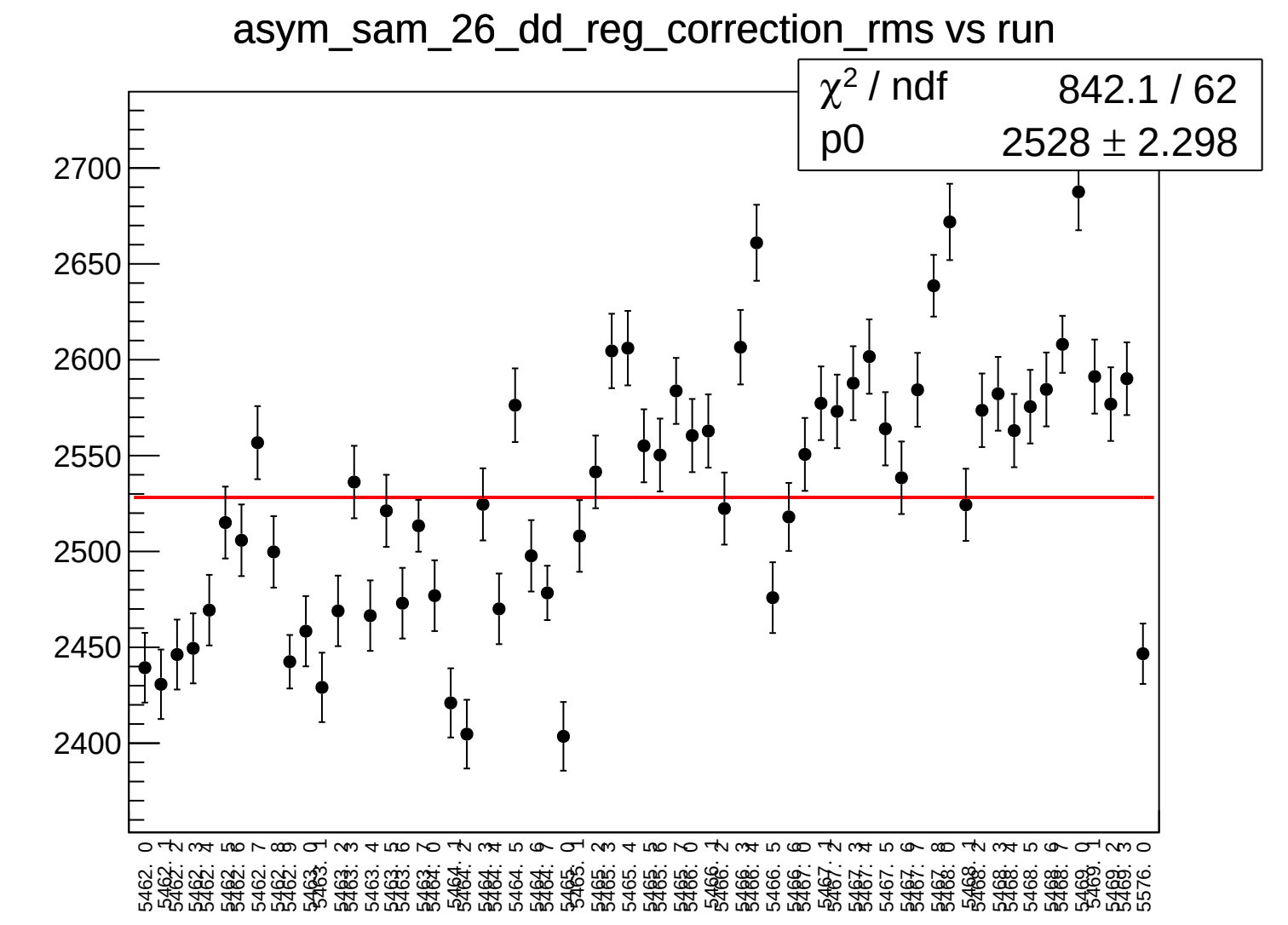

reg_asym_sam_26_dd_mean vs run
χ² / ndf 57.13 / 62
p0 455.7 ± 283.7
pull
Entries 63
Mean −176.2
Std Dev 0

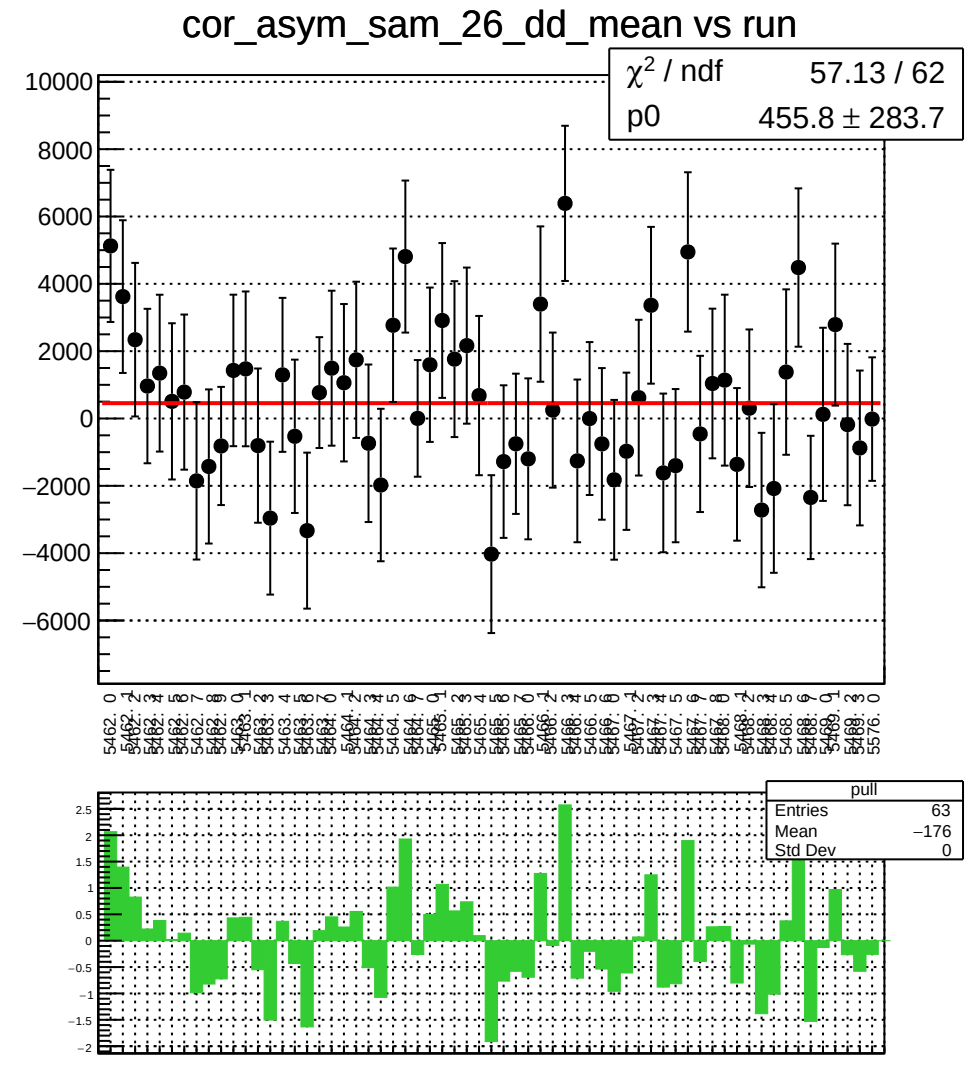

pull1D
Entries 63
Mean 0.01028
Std Dev 0.9522

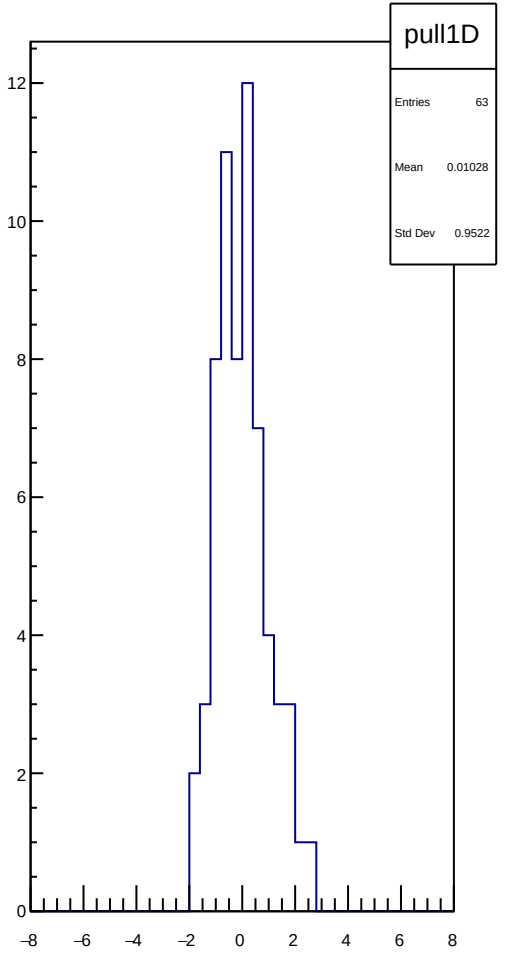

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1582 / 62
p0 220.6 ± 0.2006
260
250
240
230
220
210
200

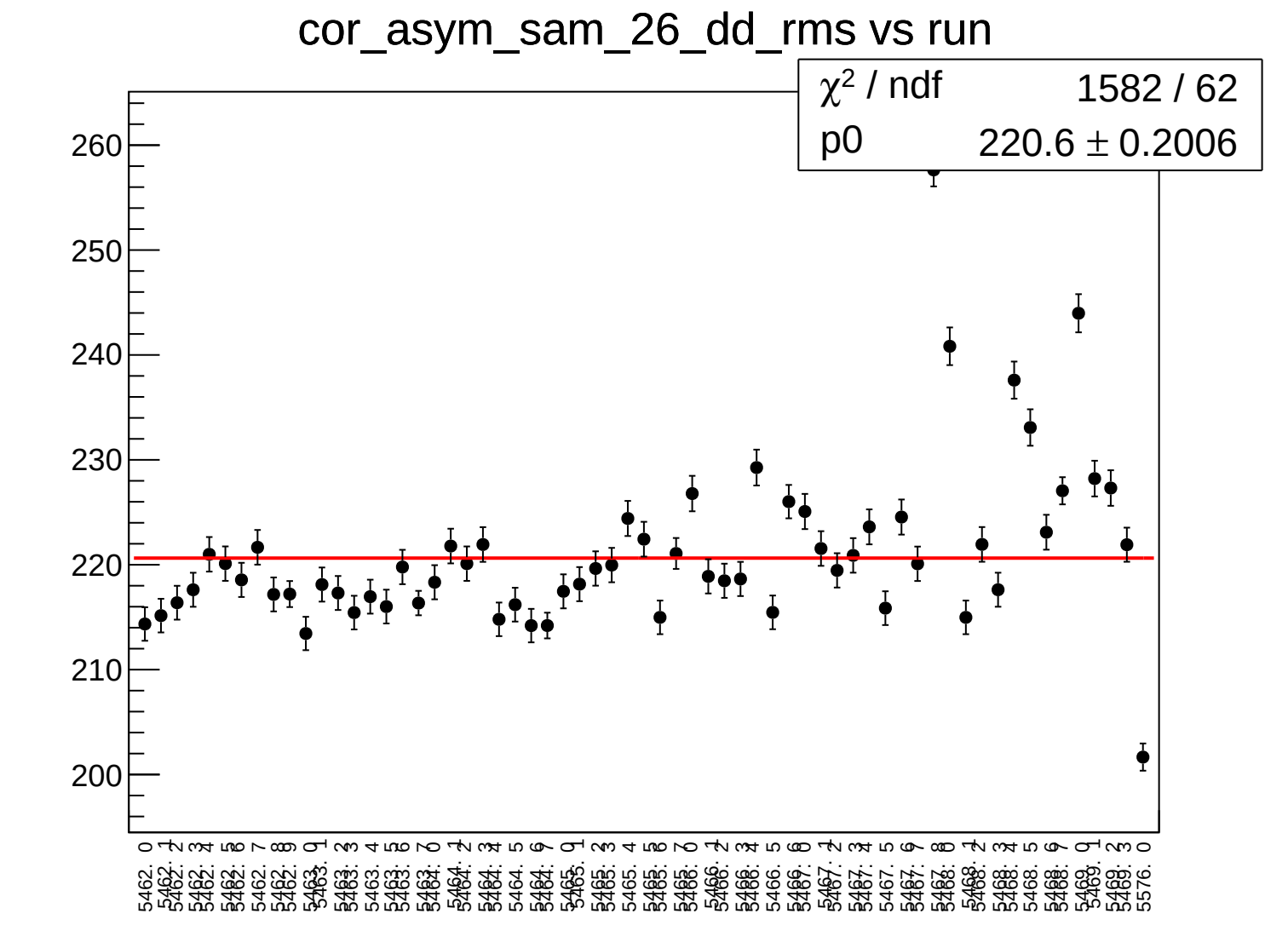

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 64 / 62
p0 385.6 ± 3250
pull
Entries 63
Mean 98.85
Std Dev 0

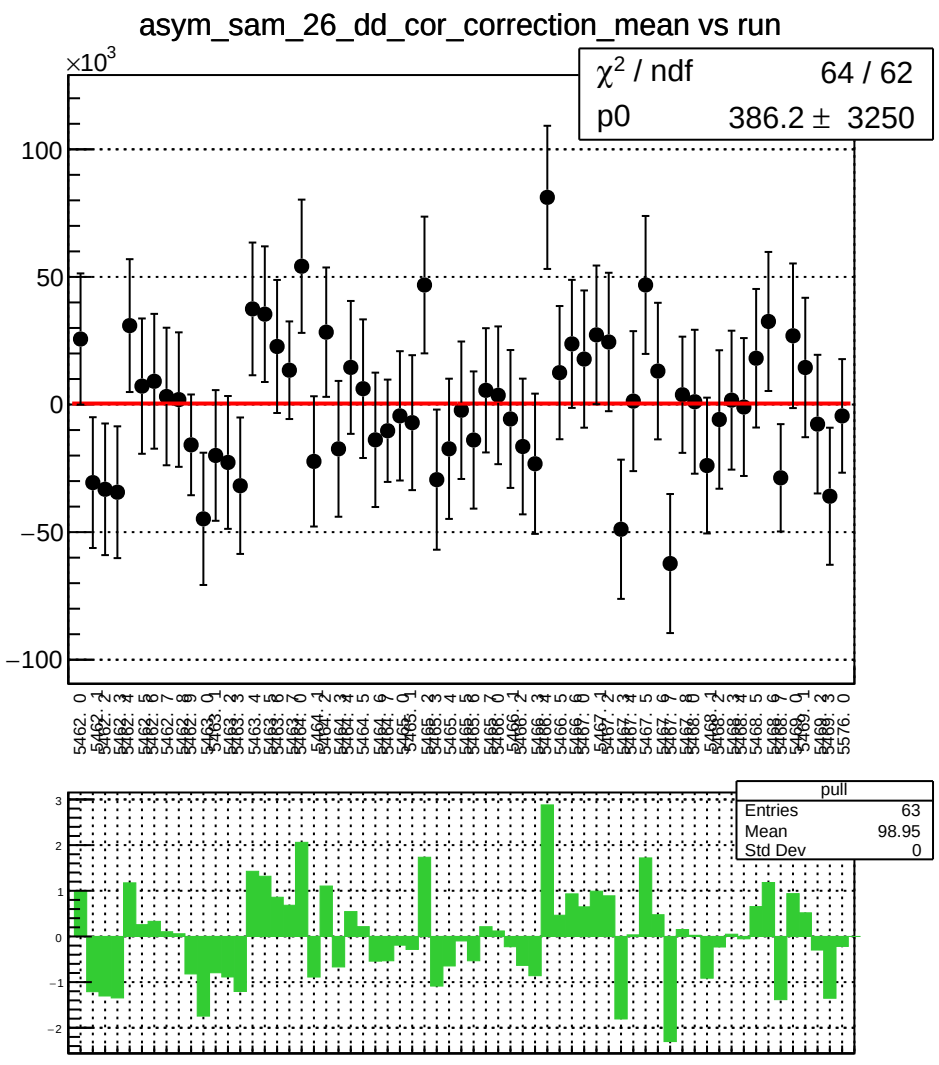

pull1D
Entries 63
Mean 0.01091
Std Dev 1.008

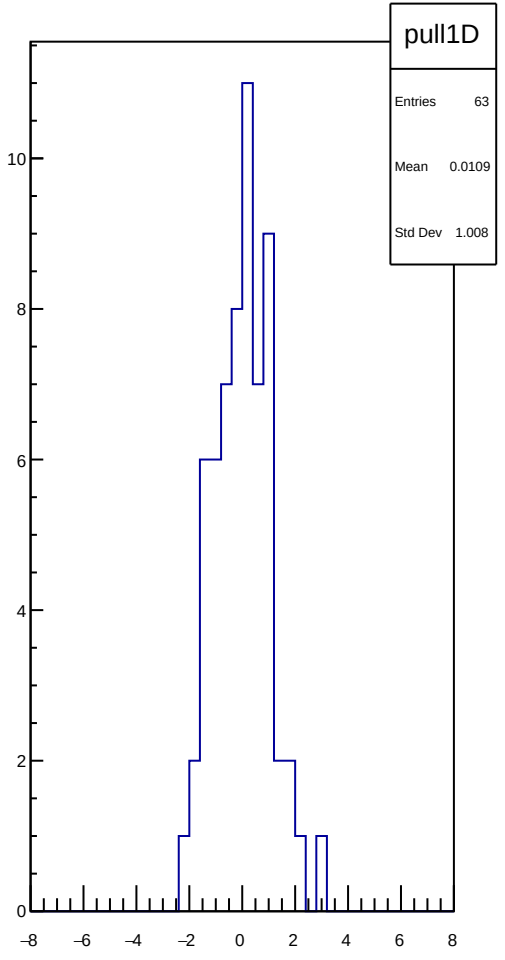

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 842.1 / 62
p0 2528 ± 2.298
2700
2650
2600
2550
2500
2450
2400
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

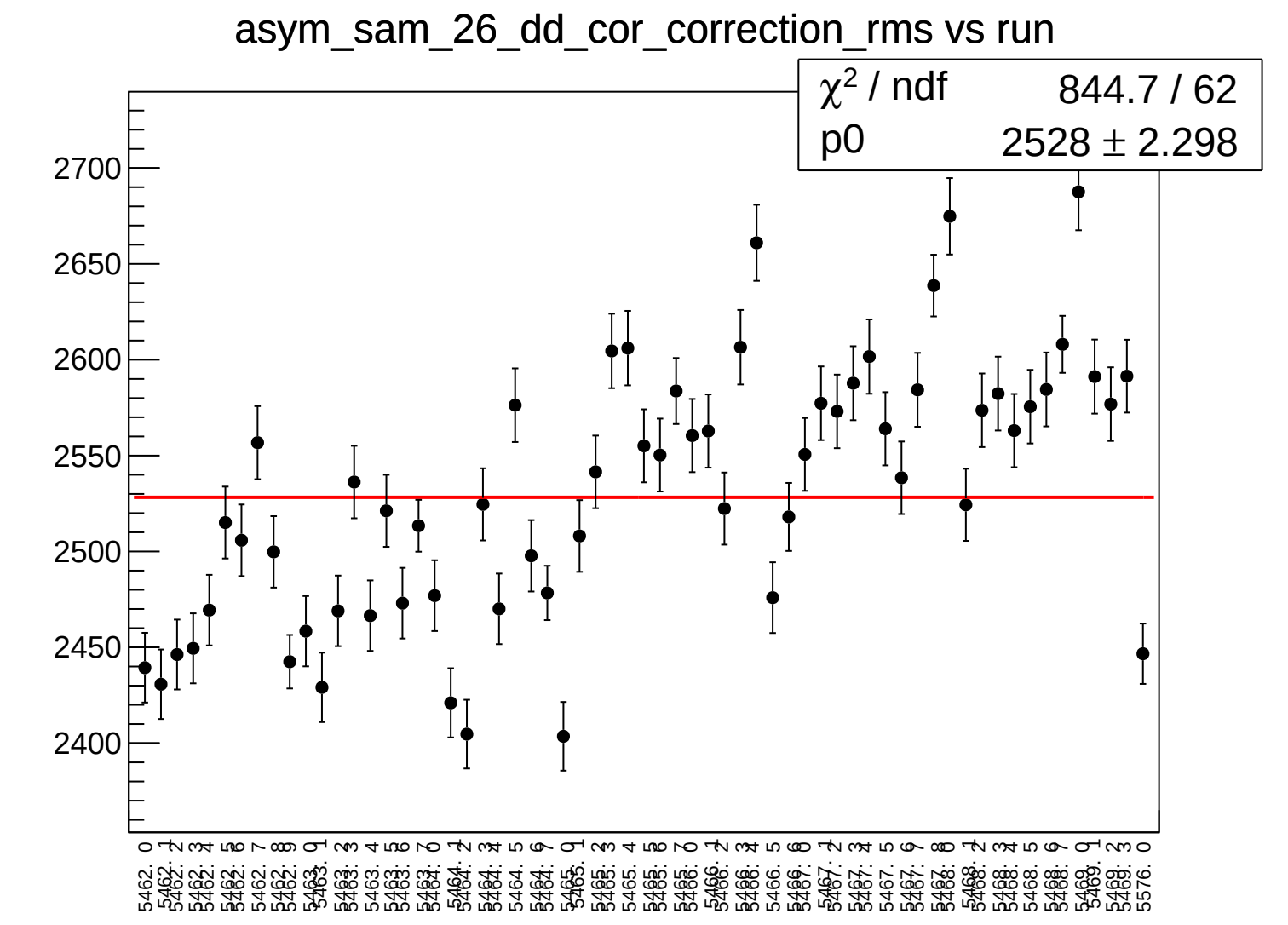

cor_asym_sam_26_dd_mean vs run
χ² / ndf 57.13 / 62
p0 455.8 ± 283.7
pull
Entries 63
Mean −176
Std Dev 0

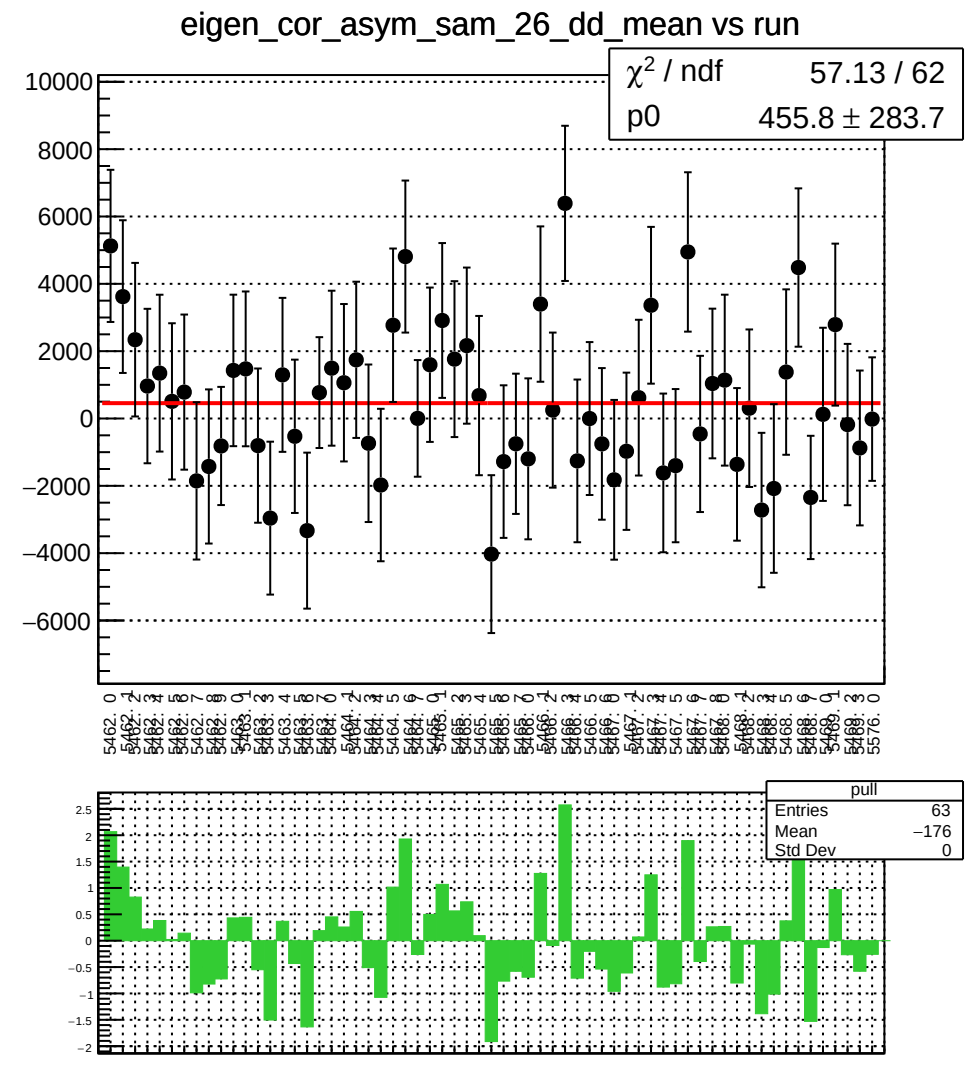

pull1D
Entries 63
Mean 0.01028
Std Dev 0.9522

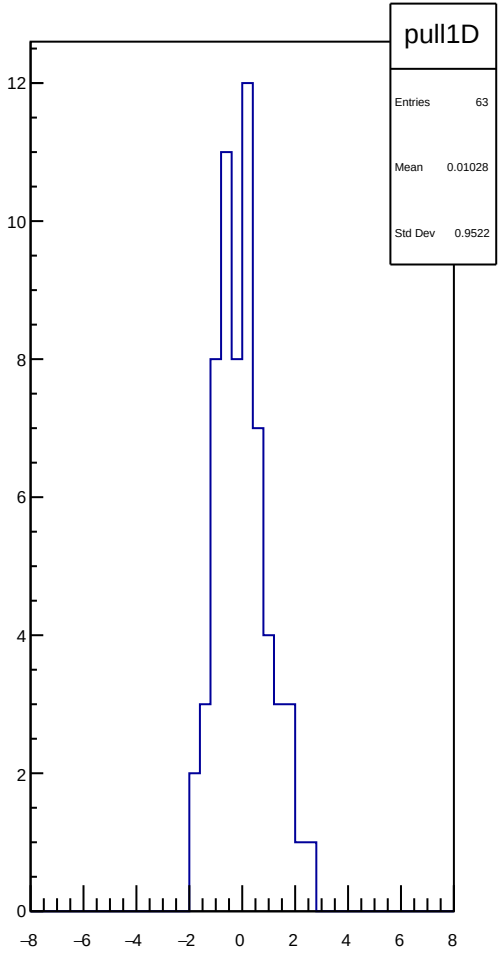

cor_asym_sam_26_dd_rms vs run
χ² / ndf 1582 / 62
p0 220.6 ± 0.2006
260
250
240
230
220
210
200

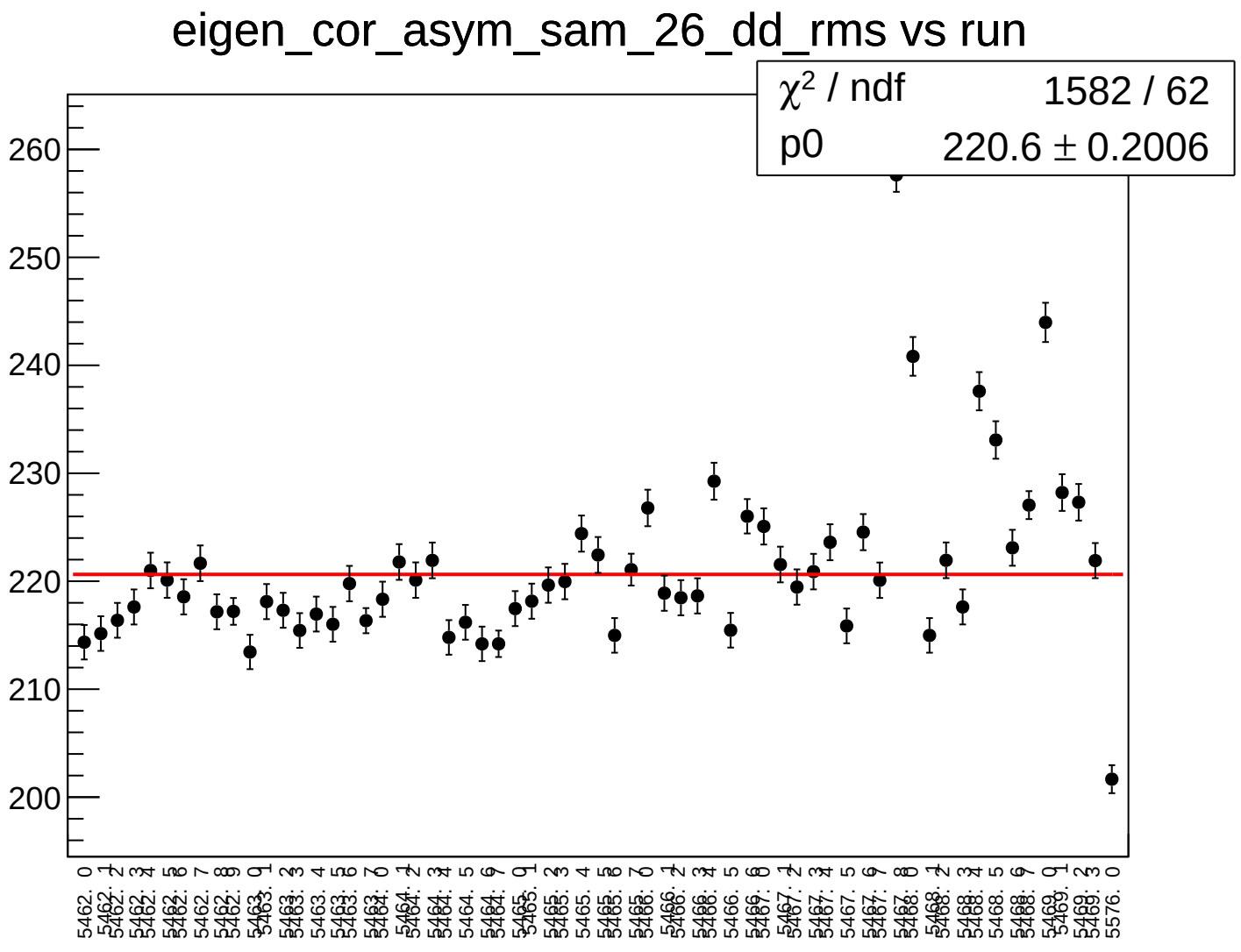

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 64 / 62
p0 386.2 ± 3250
100
50
0
−50
−100
pull
Entries 63
Mean 98.95
Std Dev 0
3
2
1
0
−1
−2

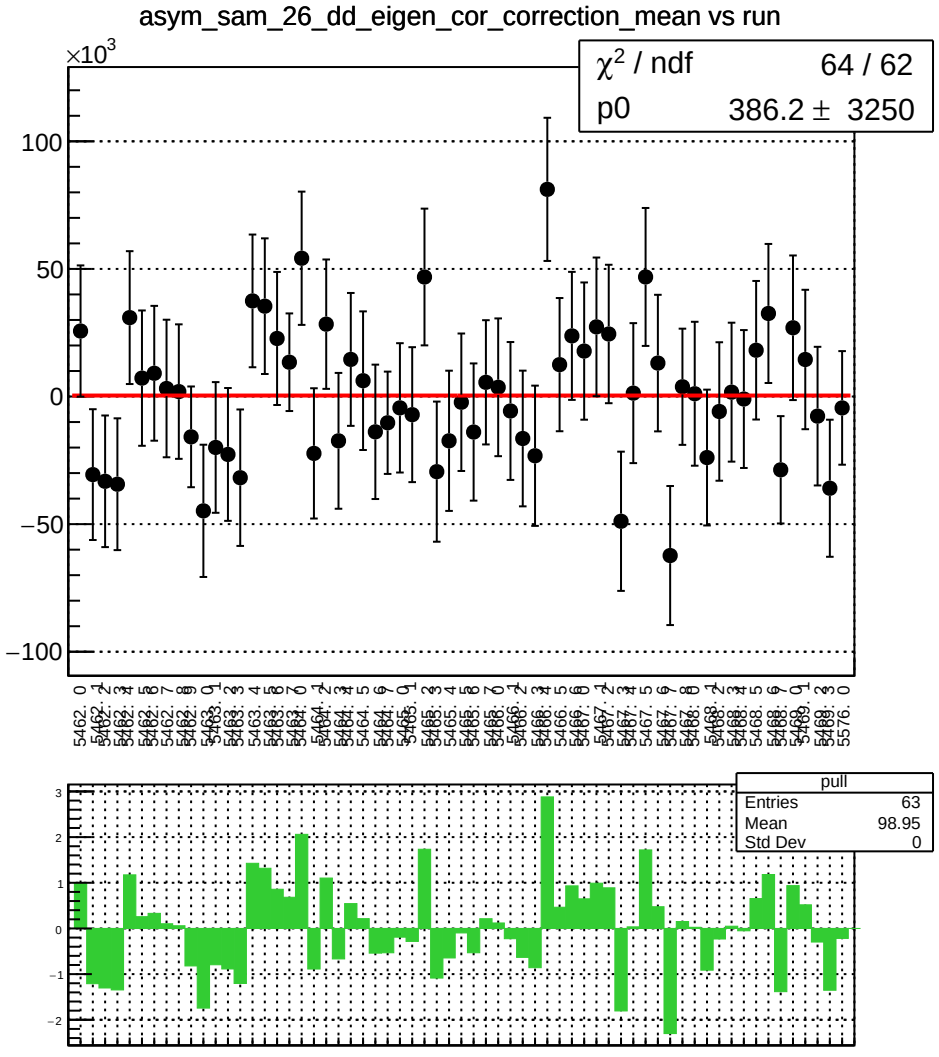

pull1D
Entries 63
Mean 0.0109
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

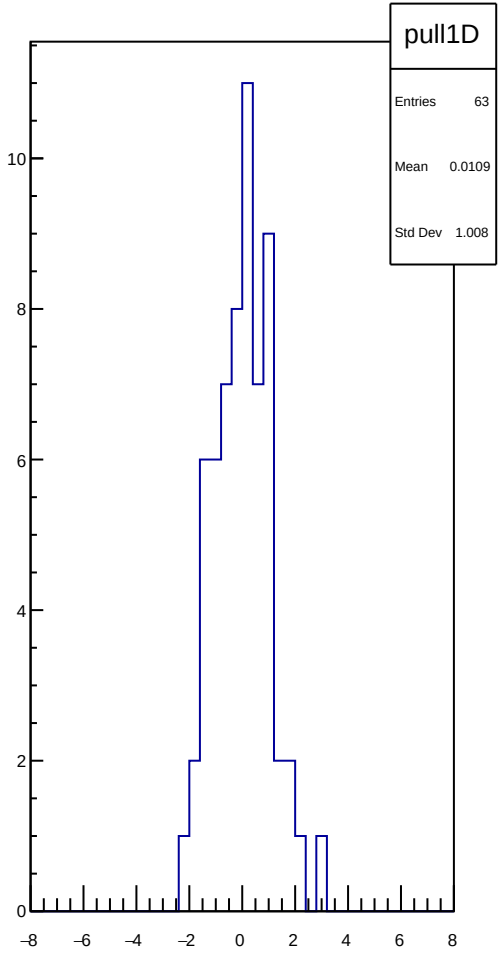

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 844.7 / 62
p0 2528 ± 2.298
2700
2650
2600
2550
2500
2450
2400

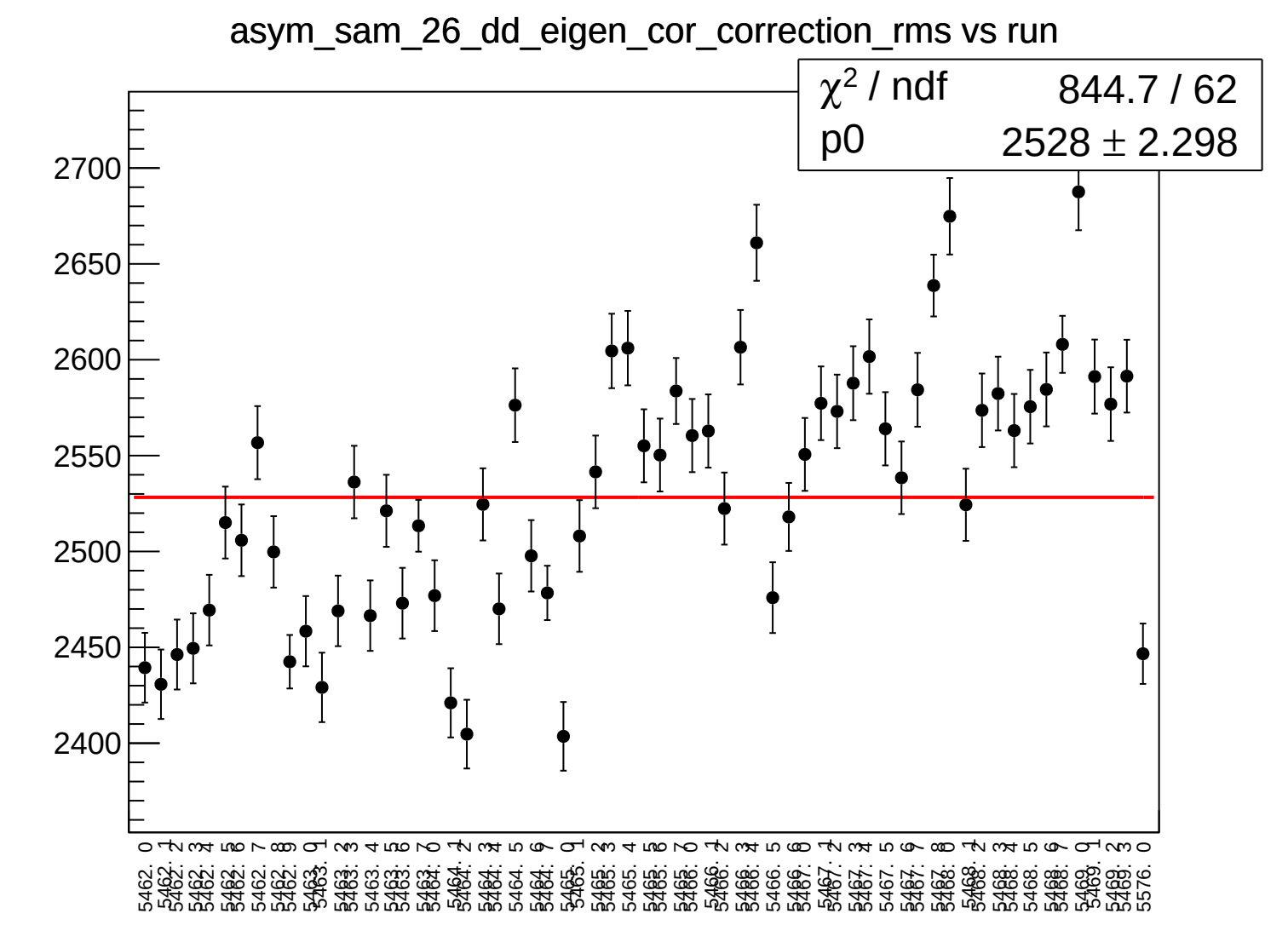

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 57.13 / 62
p0 455.8 ± 283.7
pull
Entries 63
Mean −176
Std Dev 0

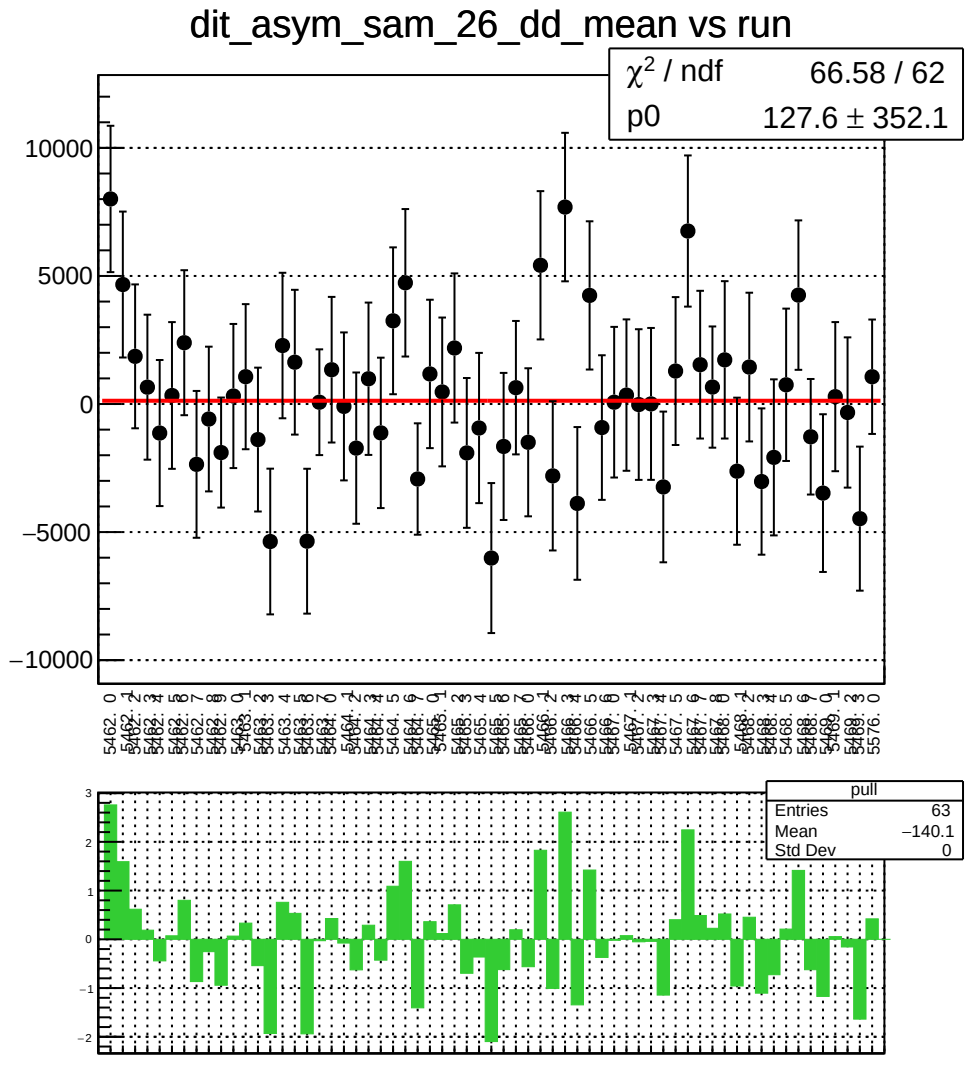

pull1D
Entries 63
Mean 0.01028
Std Dev 0.9522

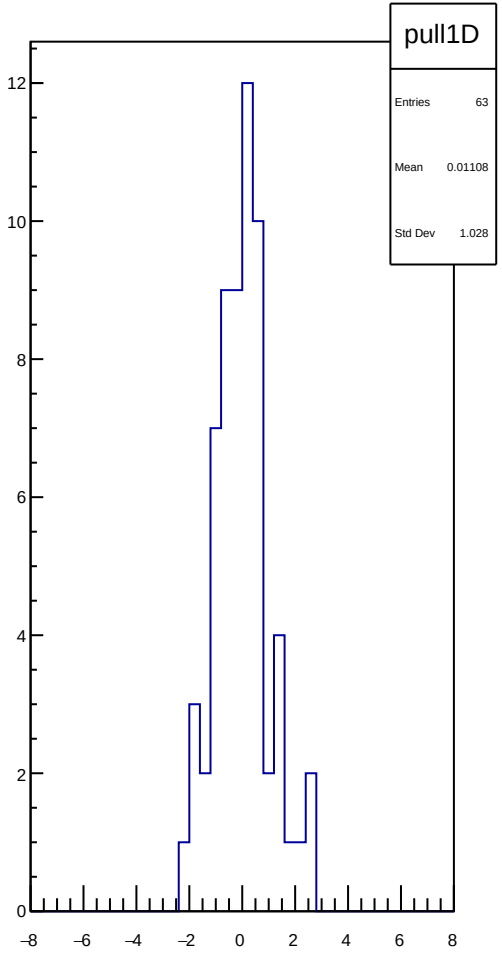

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1582 / 62
p0 220.6 ± 0.2006
260
250
240
230
220
210
200

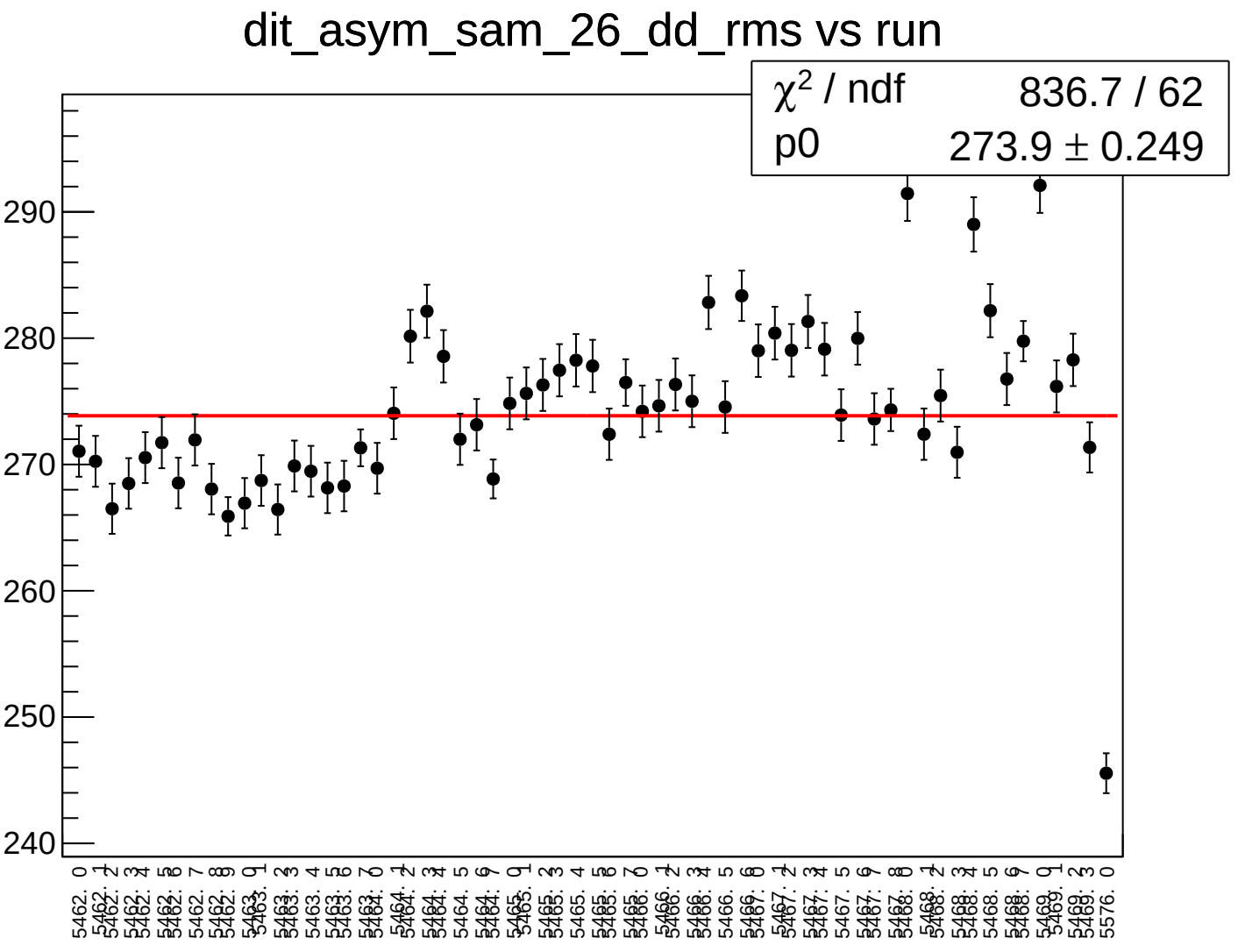

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 64 / 62
p0 386.2 ± 3250
100
50
0
−50
−100
pull
Entries 63
Mean 98.95
Std Dev 0
3
2
1
0
−1
−2

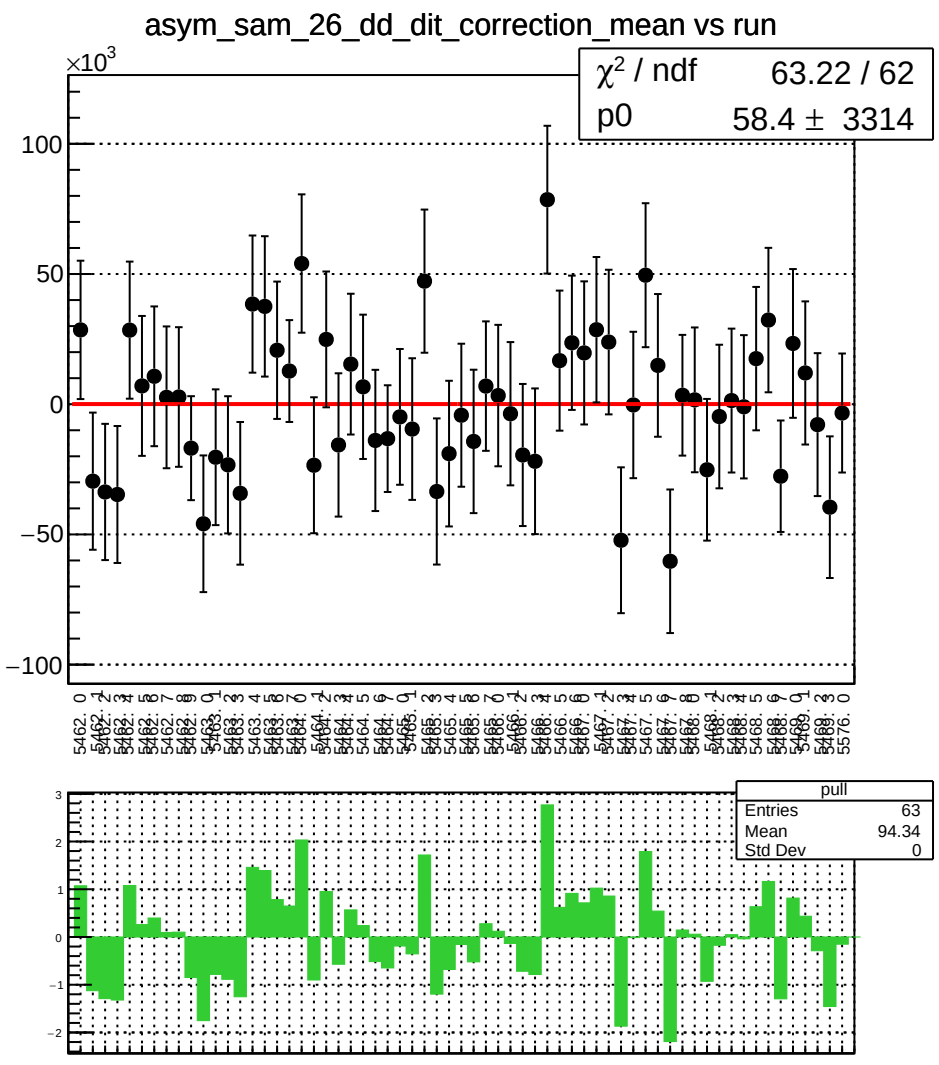

pull1D
Entries 63
Mean 0.0109
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

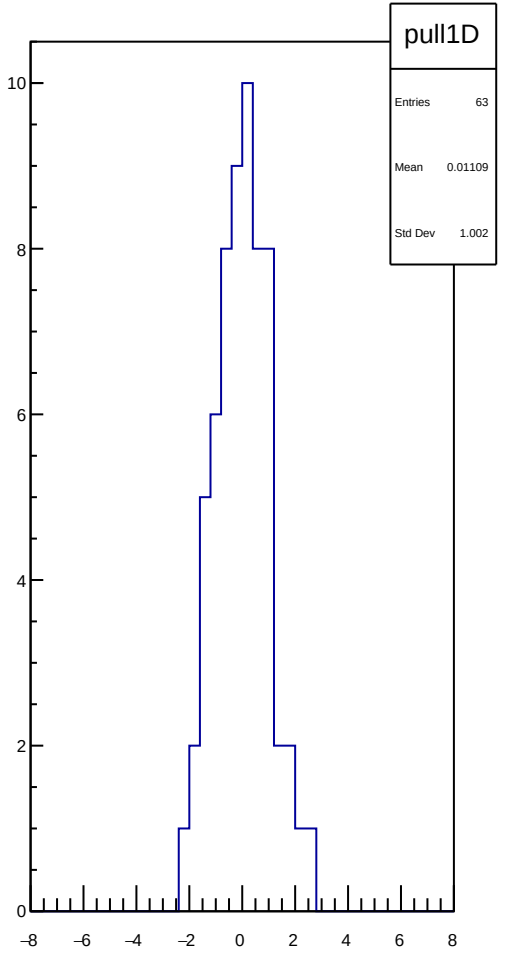

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 844.7 / 62
p0 2528 ± 2.298
2700
2650
2600
2550
2500
2450
2400

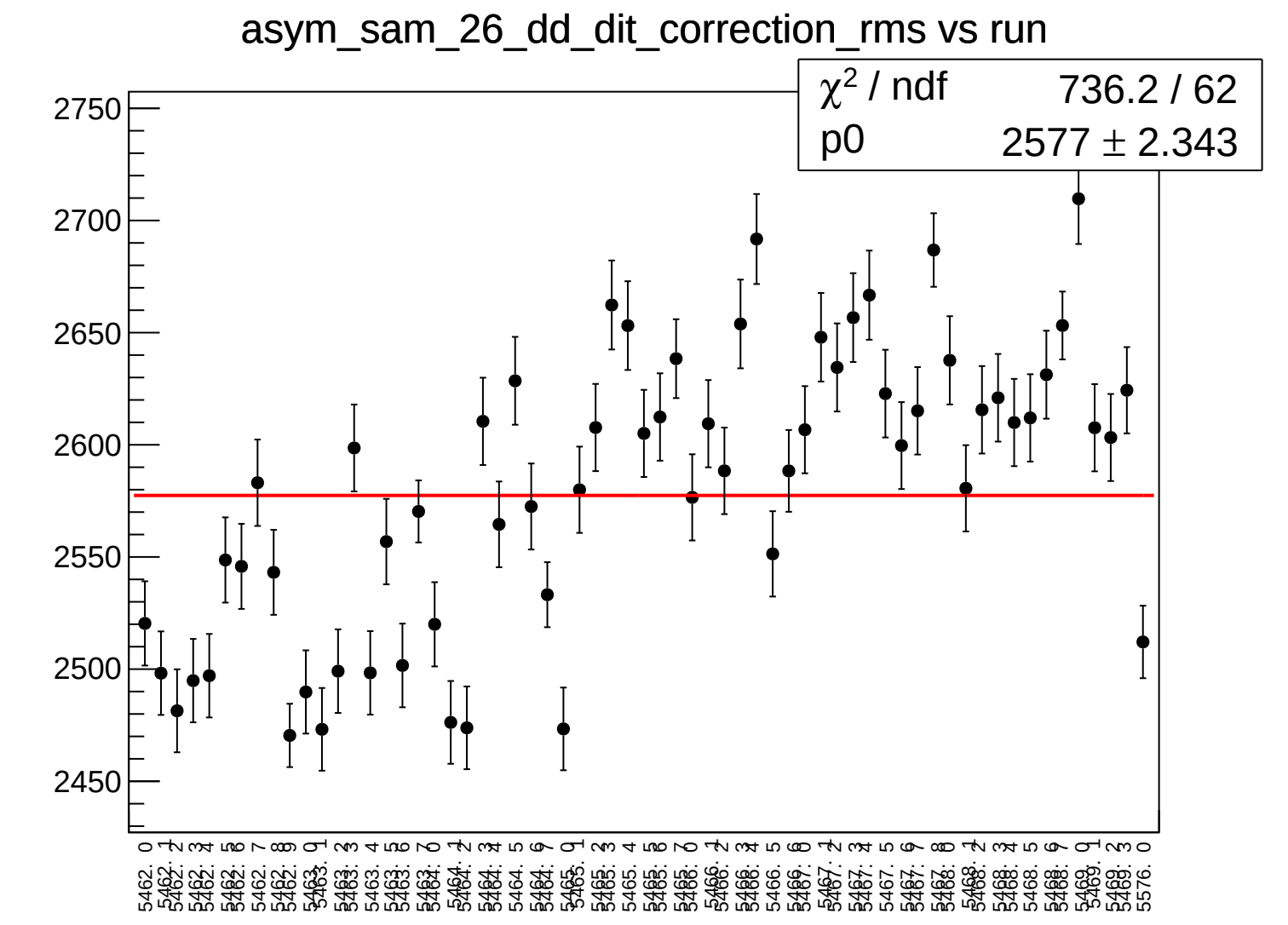

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 66.58 / 62
p0 127.6 ± 352.1
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −140.1
Std Dev 0
3
2
1
0
−1
−2

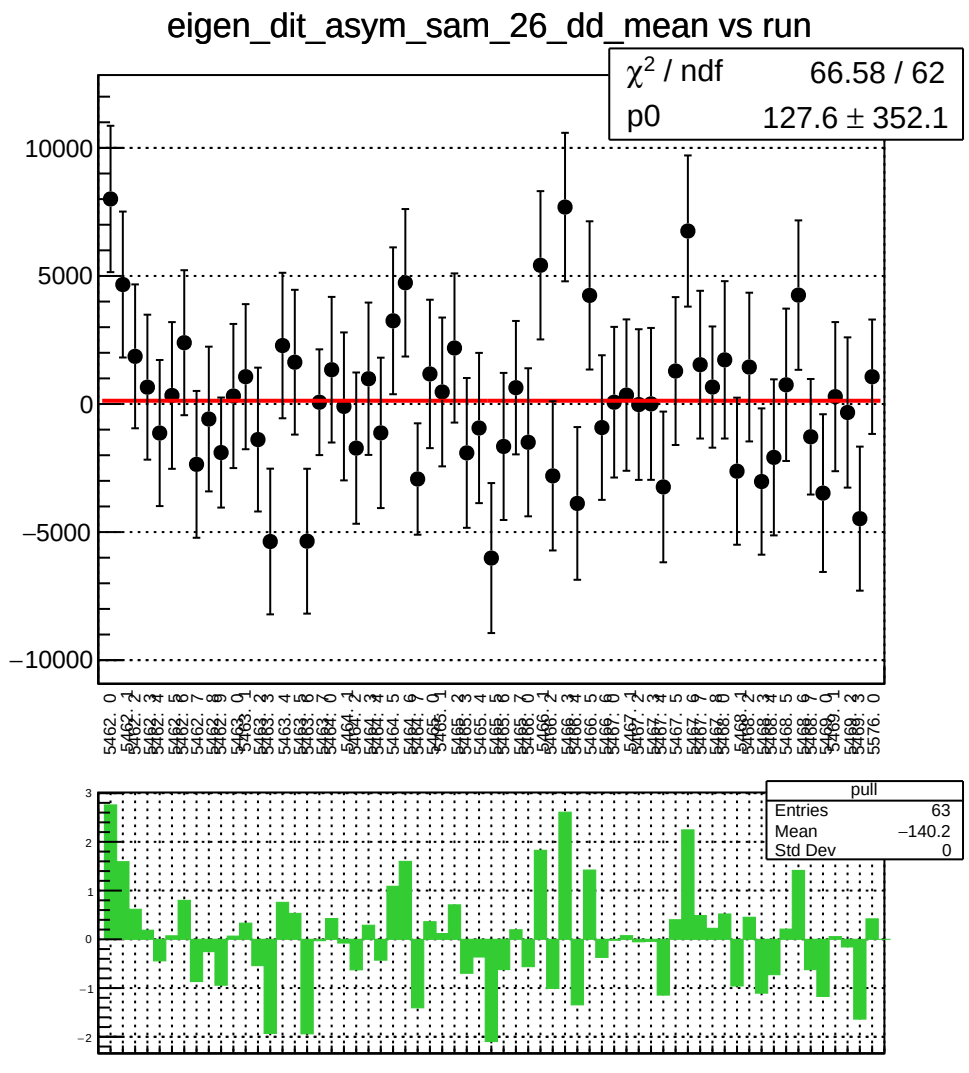

pull1D
Entries 63
Mean 0.01108
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

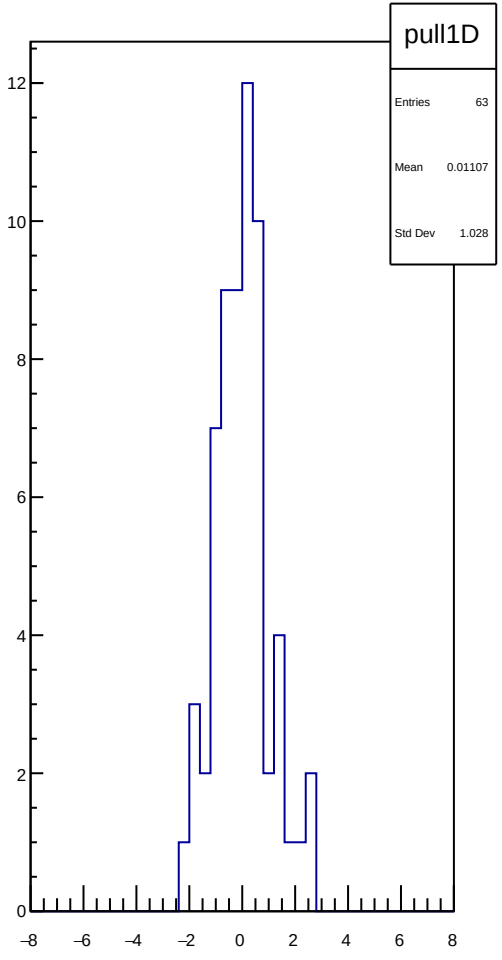

dit_asym_sam_26_dd_rms vs run
χ² / ndf 836.7 / 62
p0 273.9 ± 0.249
290
280
270
260
250
240

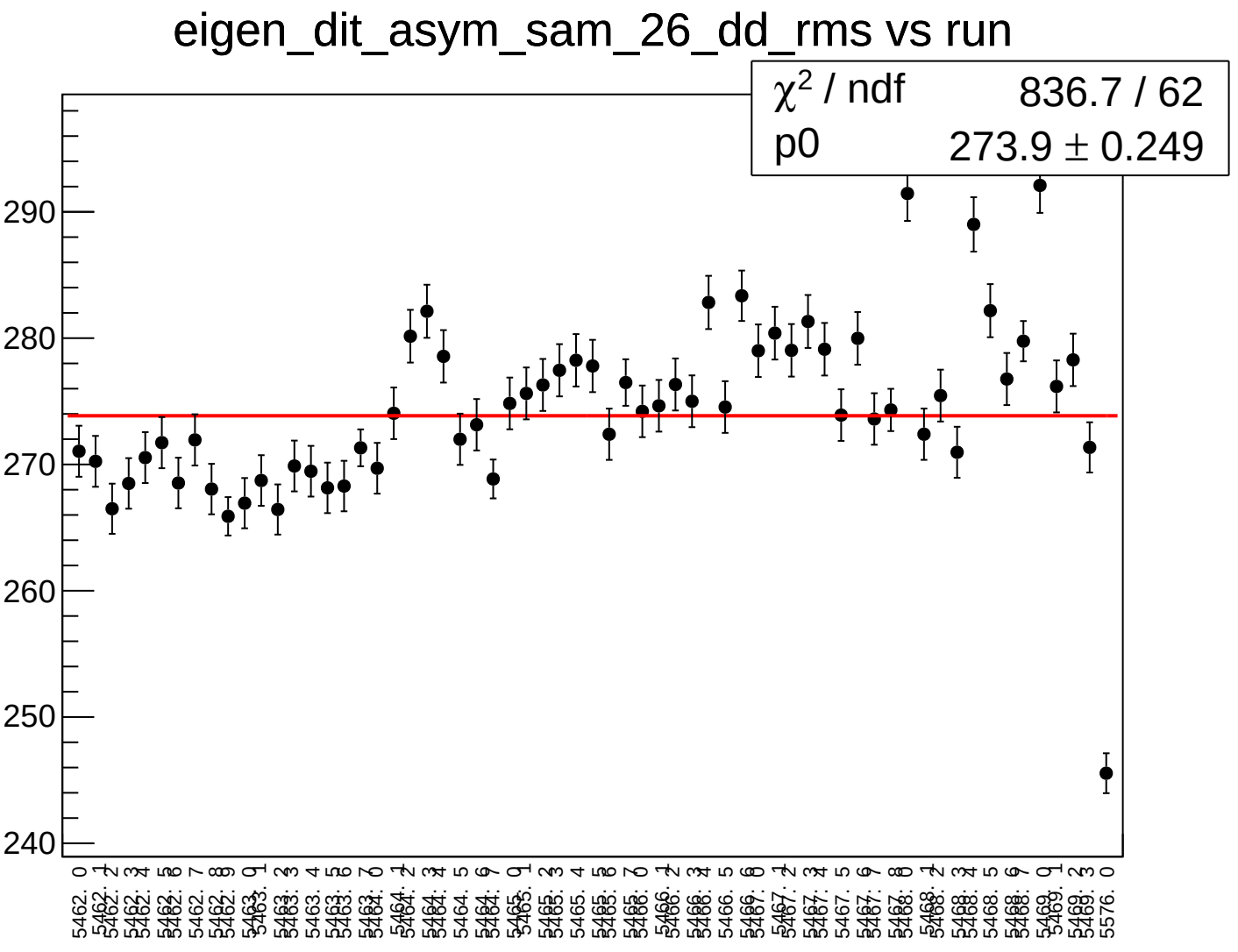

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 63.22 / 62
p0 58.4 ± 3314
100
50
0
−50
−100
pull
Entries 63
Mean 94.34
Std Dev 0
3
2
1
0
−1
−2

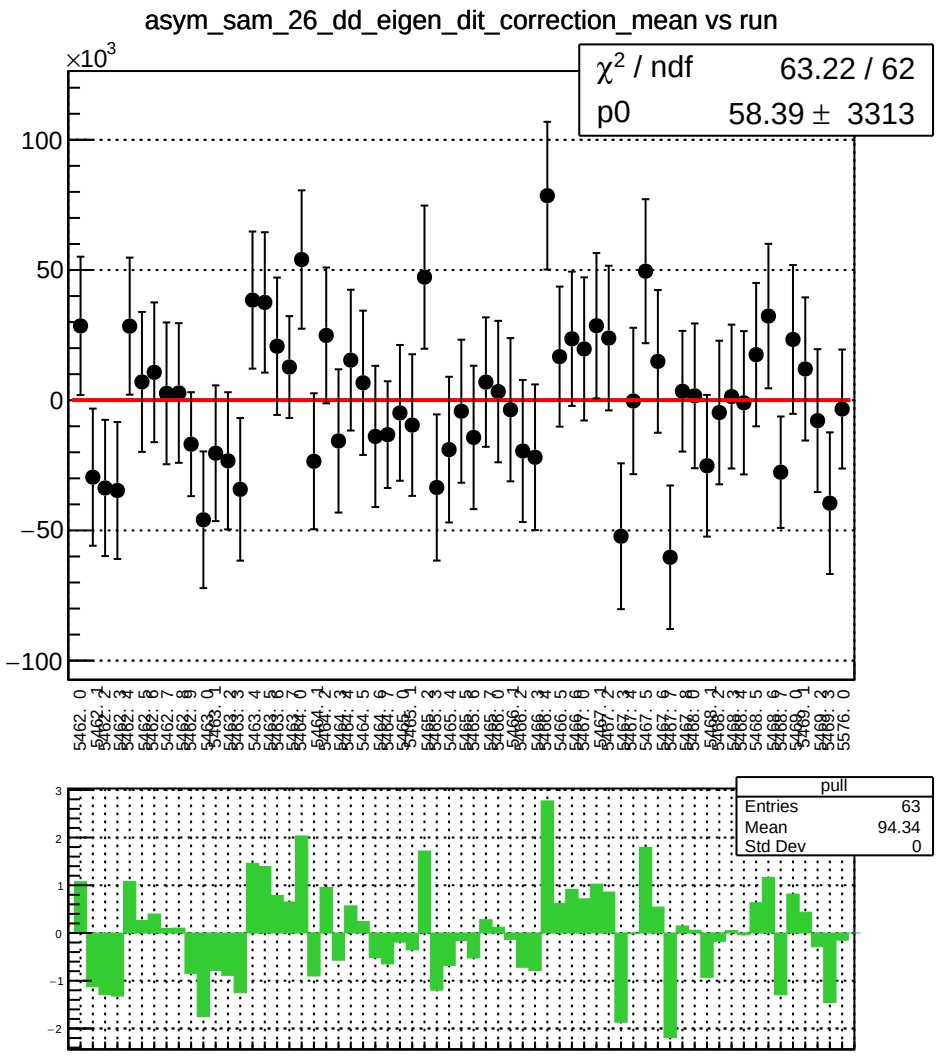

pull1D
Entries 63
Mean 0.01109
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

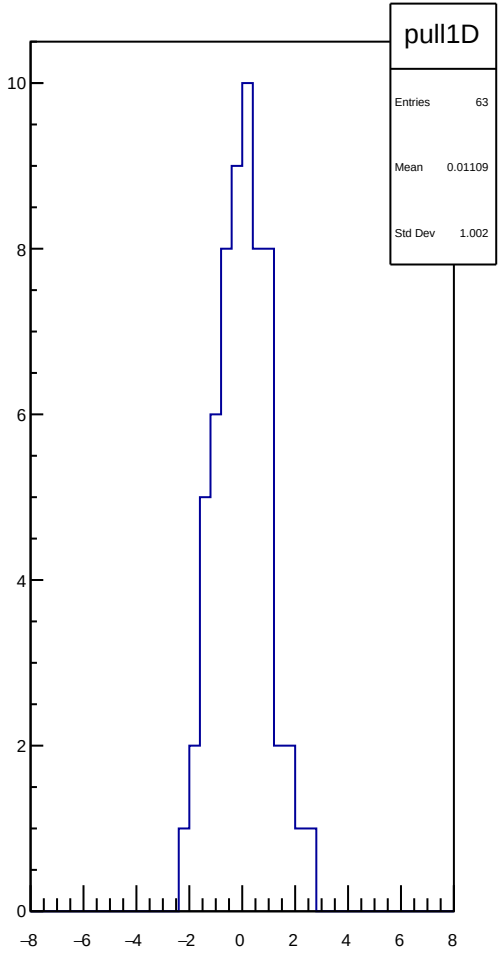

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 736.2 / 62
p0 2577 ± 2.343
2750
2700
2650
2600
2550
2500
2450

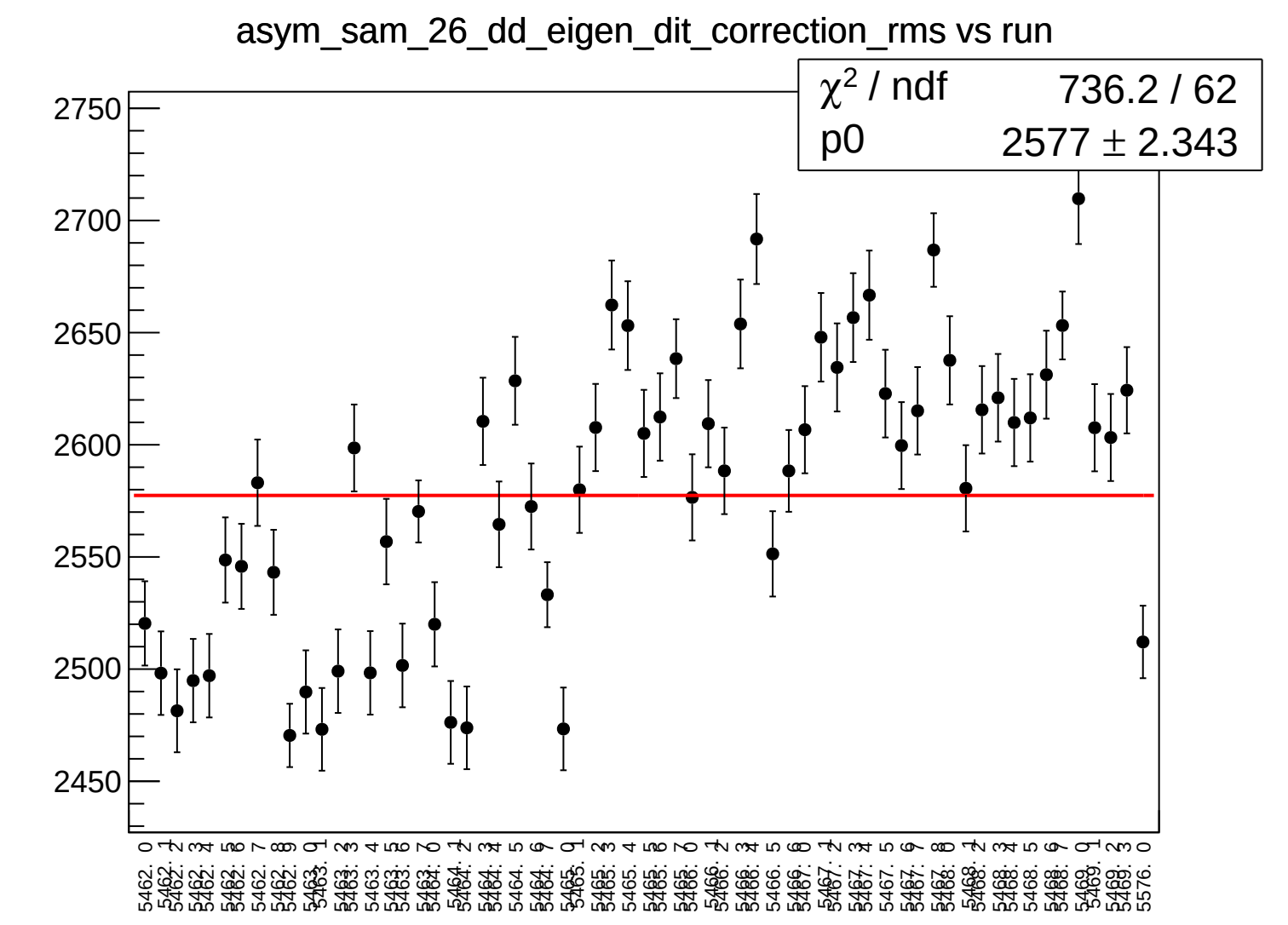

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 66.58 / 62
p0 127.6 ± 352.1
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −140.2
Std Dev 0
3
2
1
0
−1
−2

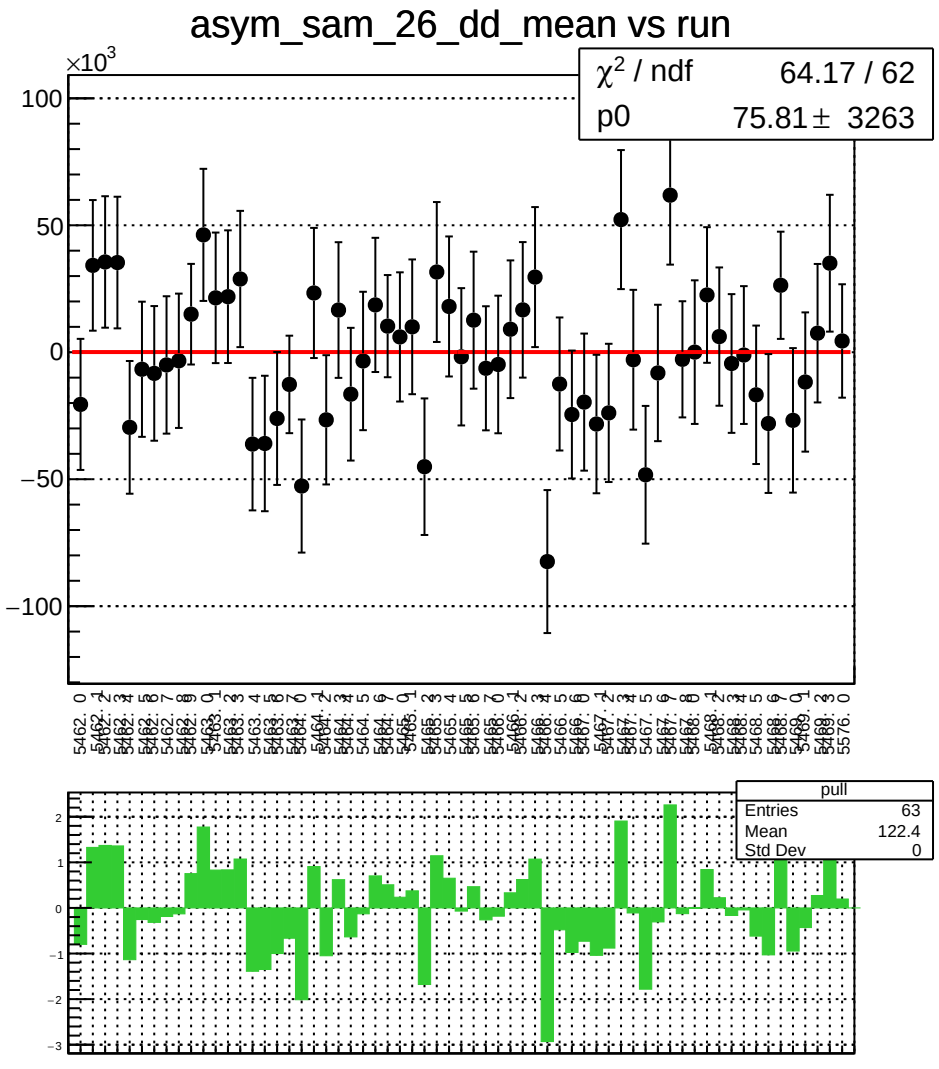

pull1D
Entries 63
Mean 0.01107
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

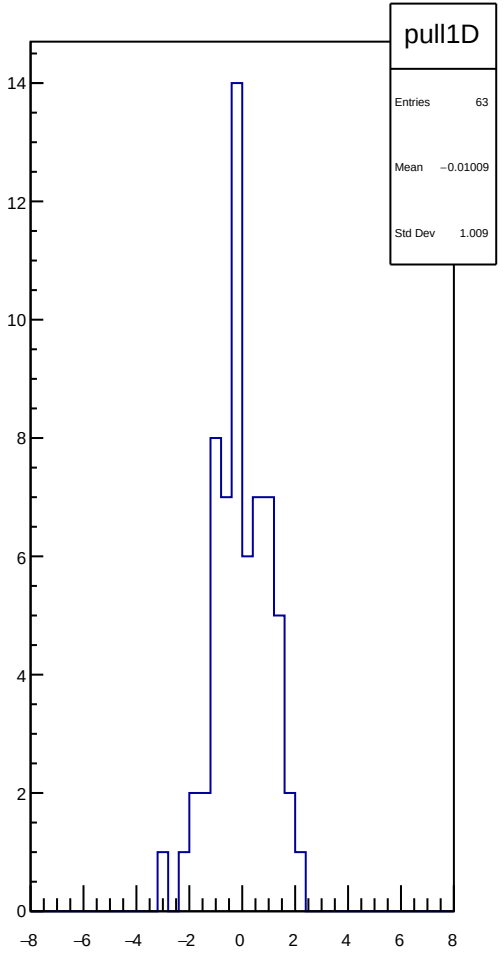

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 836.7 / 62
p0 273.9 ± 0.249
290
280
270
260
250
240

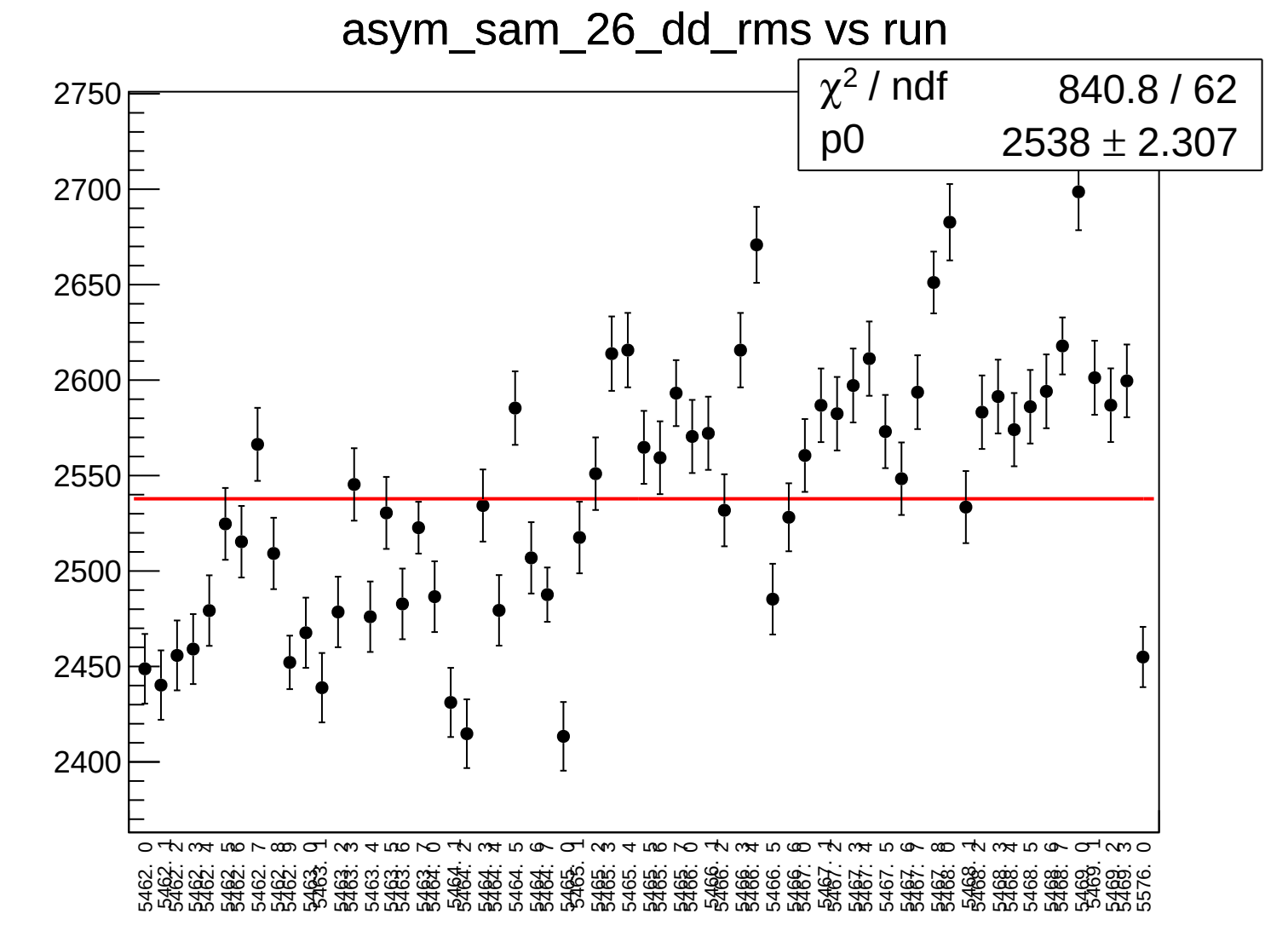

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 63.22 / 62
p0 58.39 ± 3313
100
50
0
−50
−100
pull
Entries 63
Mean 94.34
Std Dev 0
3
2
1
0
−1
−2

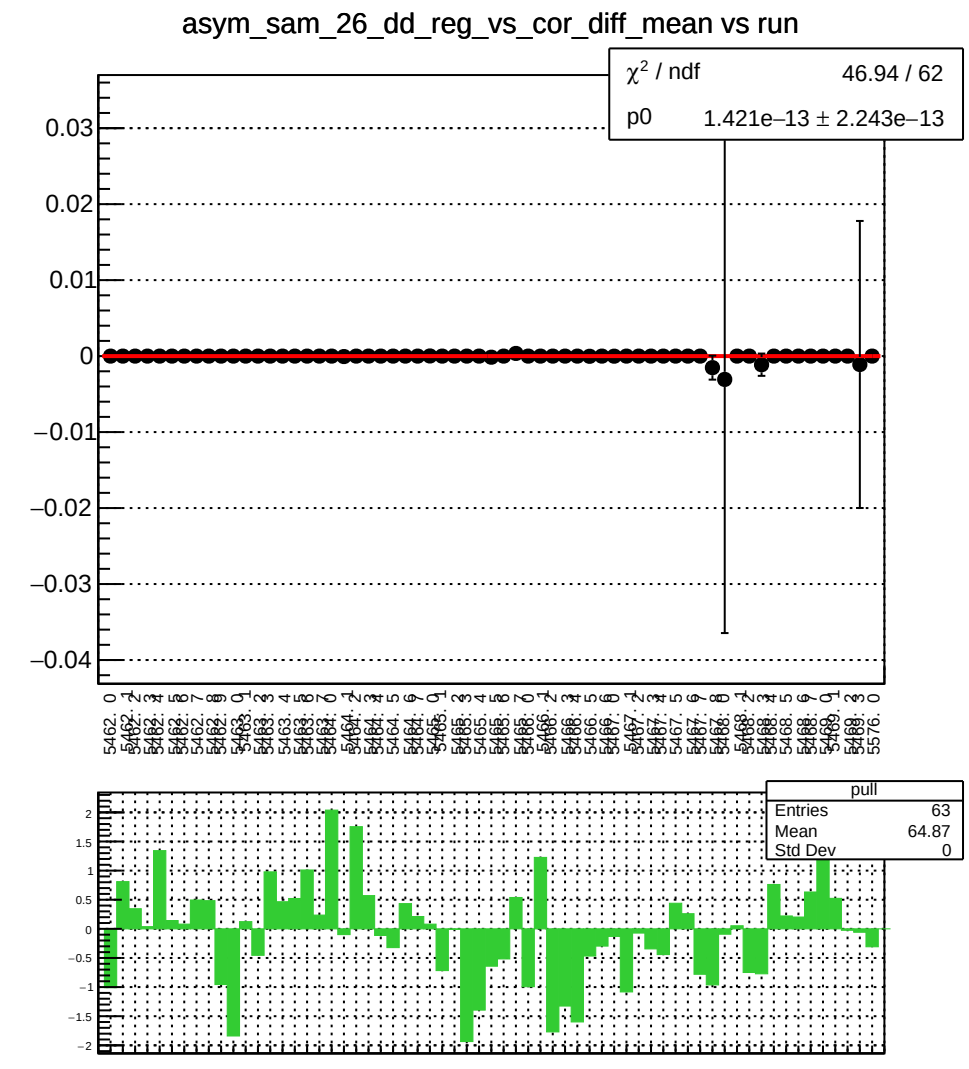

pull1D
Entries 63
Mean 0.01109
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

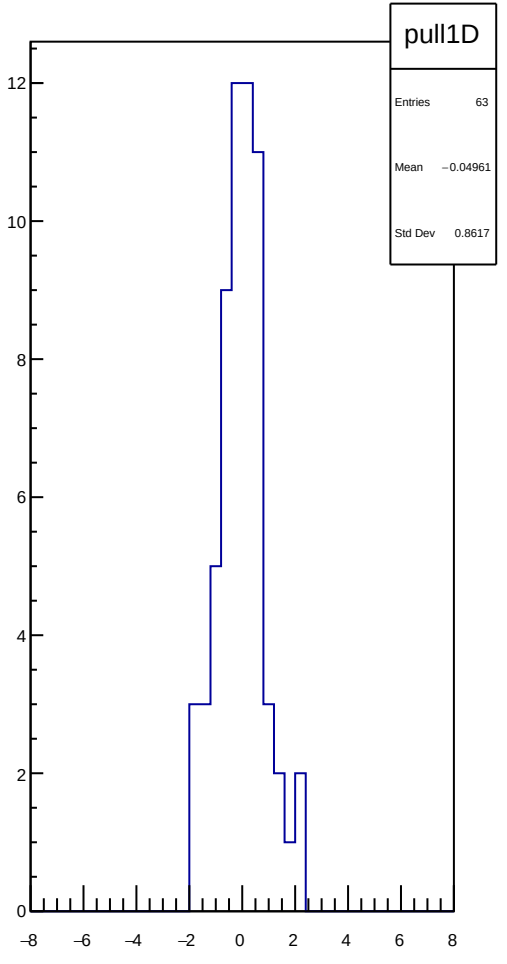

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 736.2 / 62
p0 2577 ± 2.343
2750
2700
2650
2600
2550
2500
2450

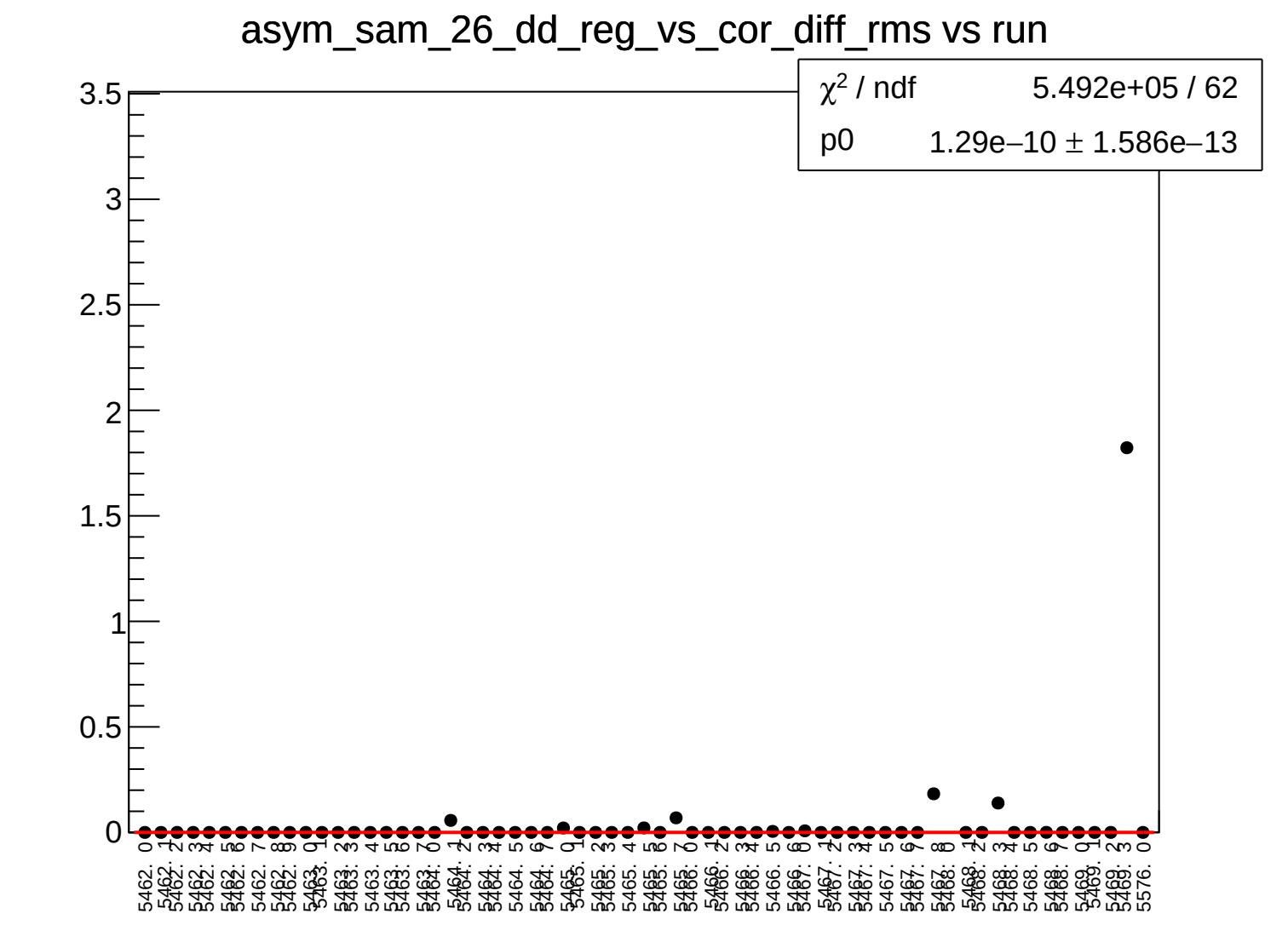

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 64.17 / 62
p0 75.81 ± 3263
100
50
0
−50
−100
pull
Entries 63
Mean 122.4
Std Dev 0
2
1
0
−1
−2
−3

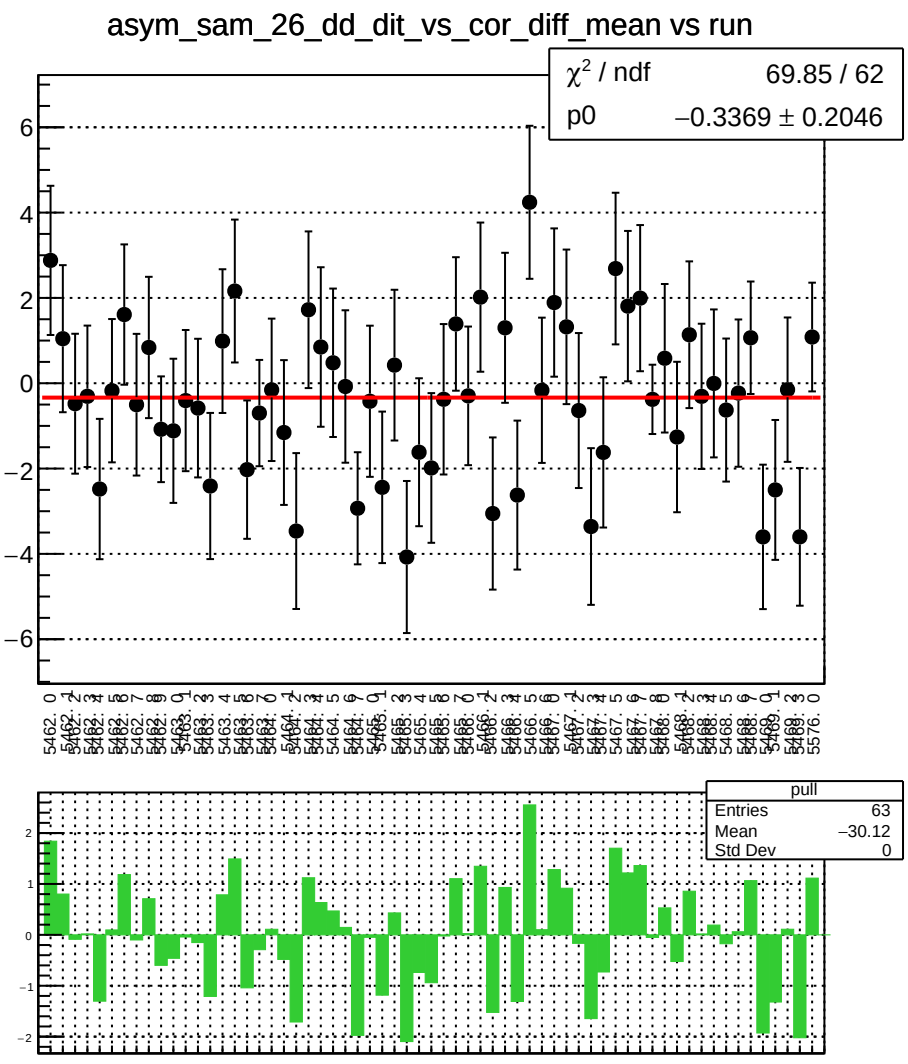

pull1D
Entries 63
Mean −0.01009
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

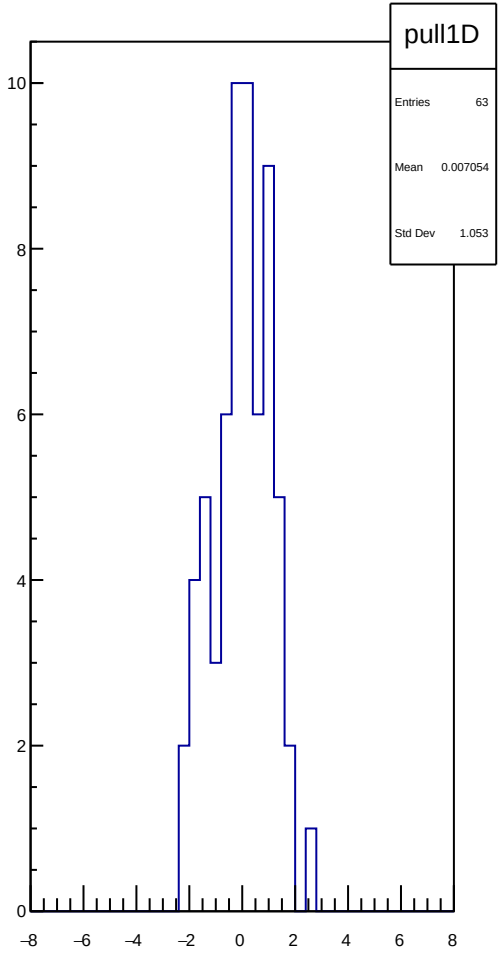

asym_sam_26_dd_rms vs run
χ² / ndf 840.8 / 62
p0 2538 ± 2.307
2750
2700
2650
2600
2550
2500
2450
2400

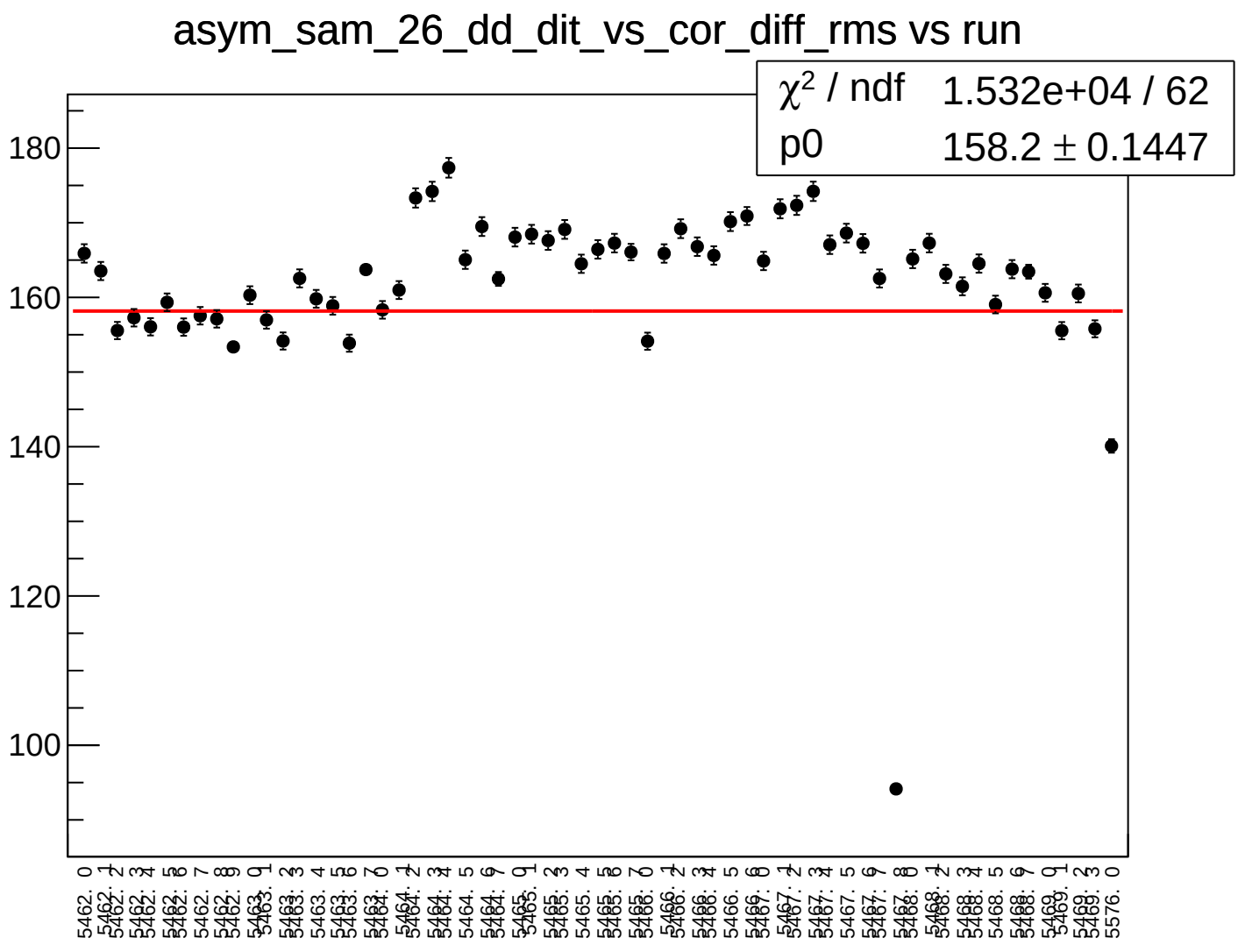

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.94 / 62
p0 1.421e−13 ± 2.243e−13
pull
Entries 63
Mean 64.87
Std Dev 0

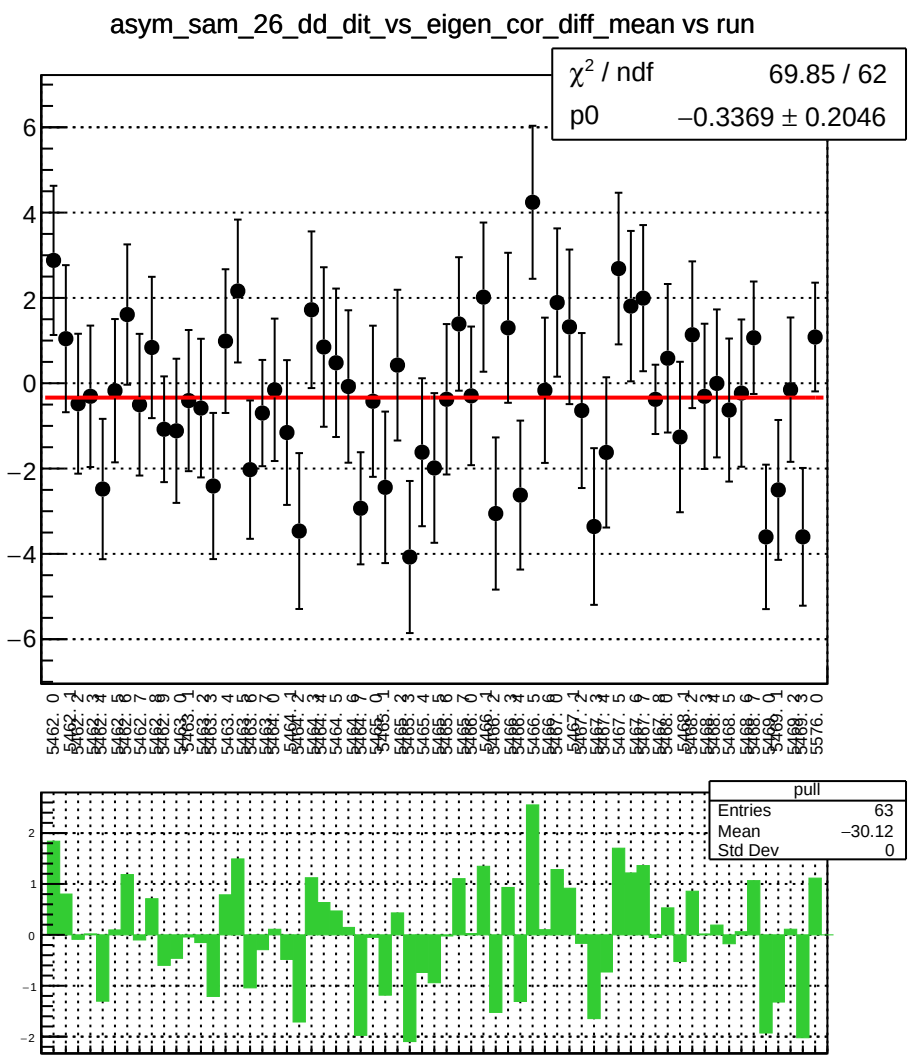

pull1D
Entries 63
Mean −0.04961
Std Dev 0.8617

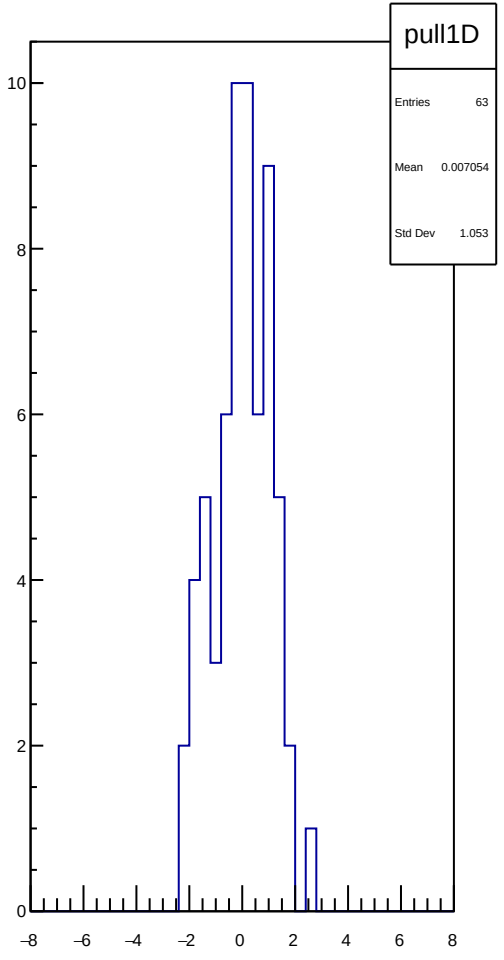

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.492e+05 / 62
p0 1.29e−10 ± 1.586e−13
3.5
3
2.5
2
1.5
1
0.5
0

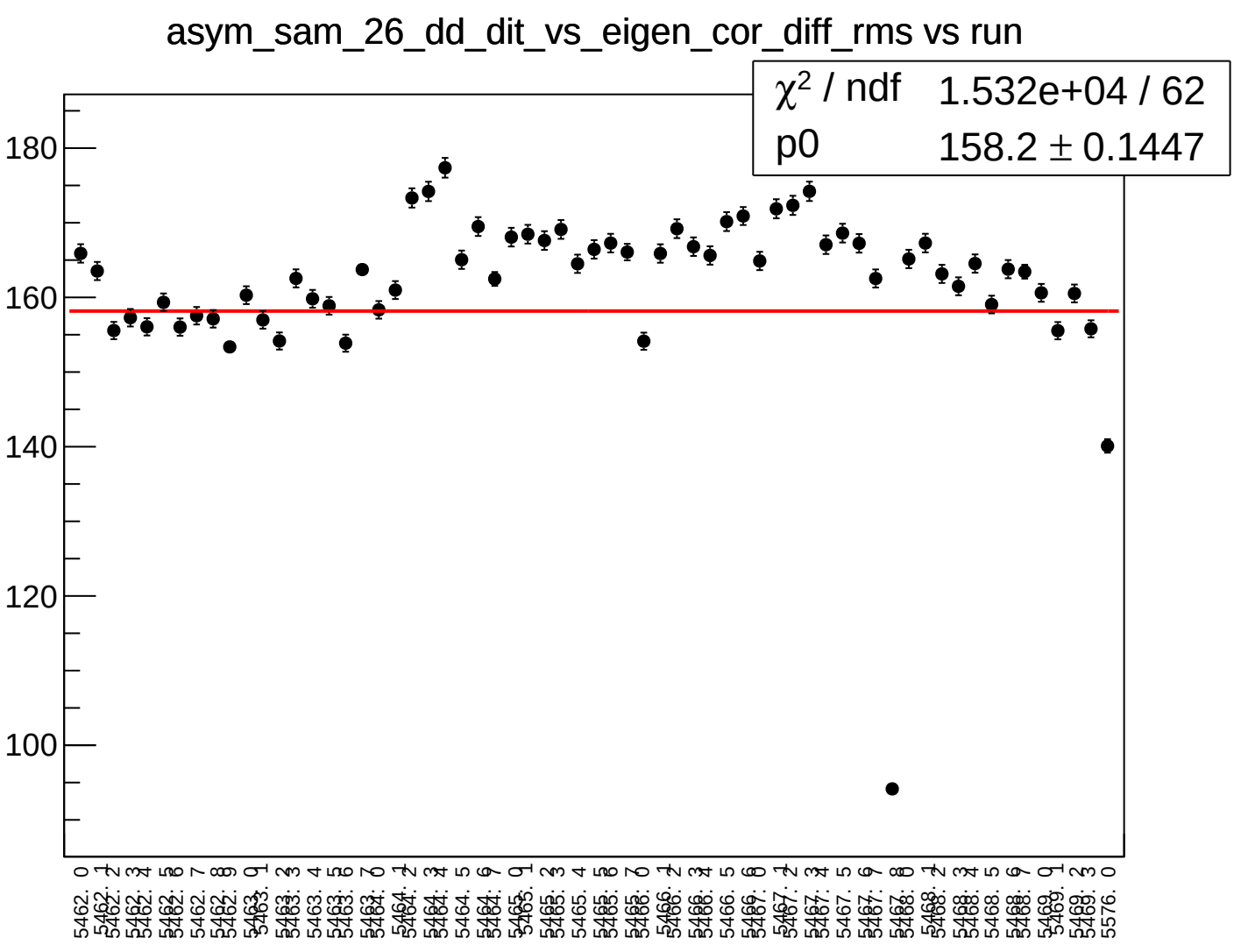

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.85 / 62
p0 −0.3369 ± 0.2046
pull
Entries 63
Mean −30.12
Std Dev 0

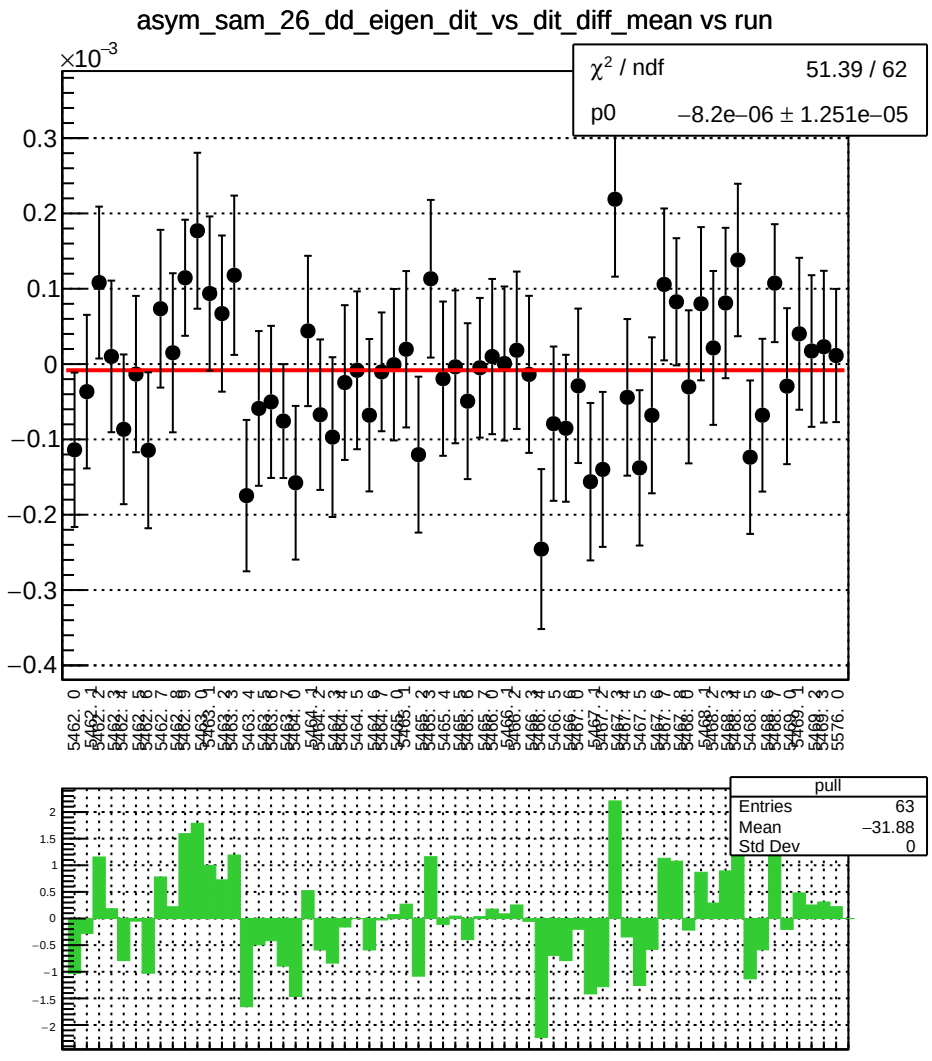

pull1D
Entries 63
Mean 0.007054
Std Dev 1.053

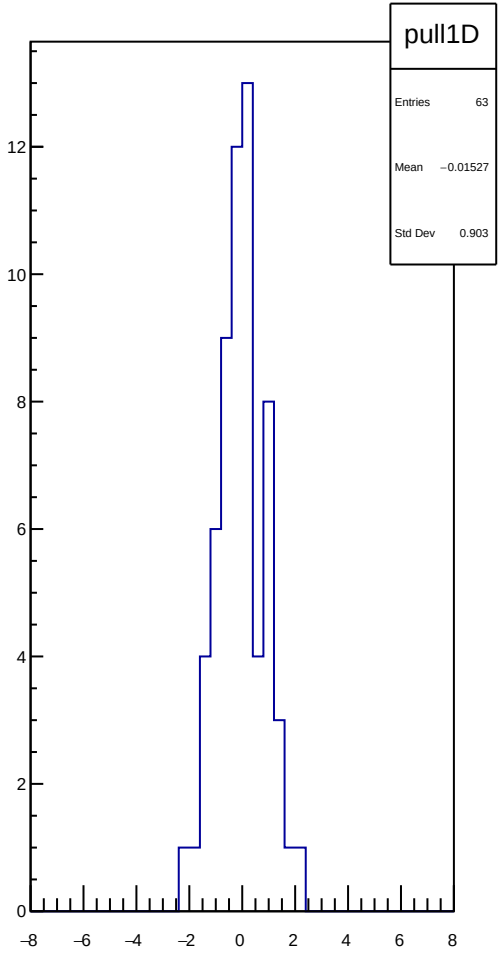

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 158.2 ± 0.1447
180
160
140
120
100

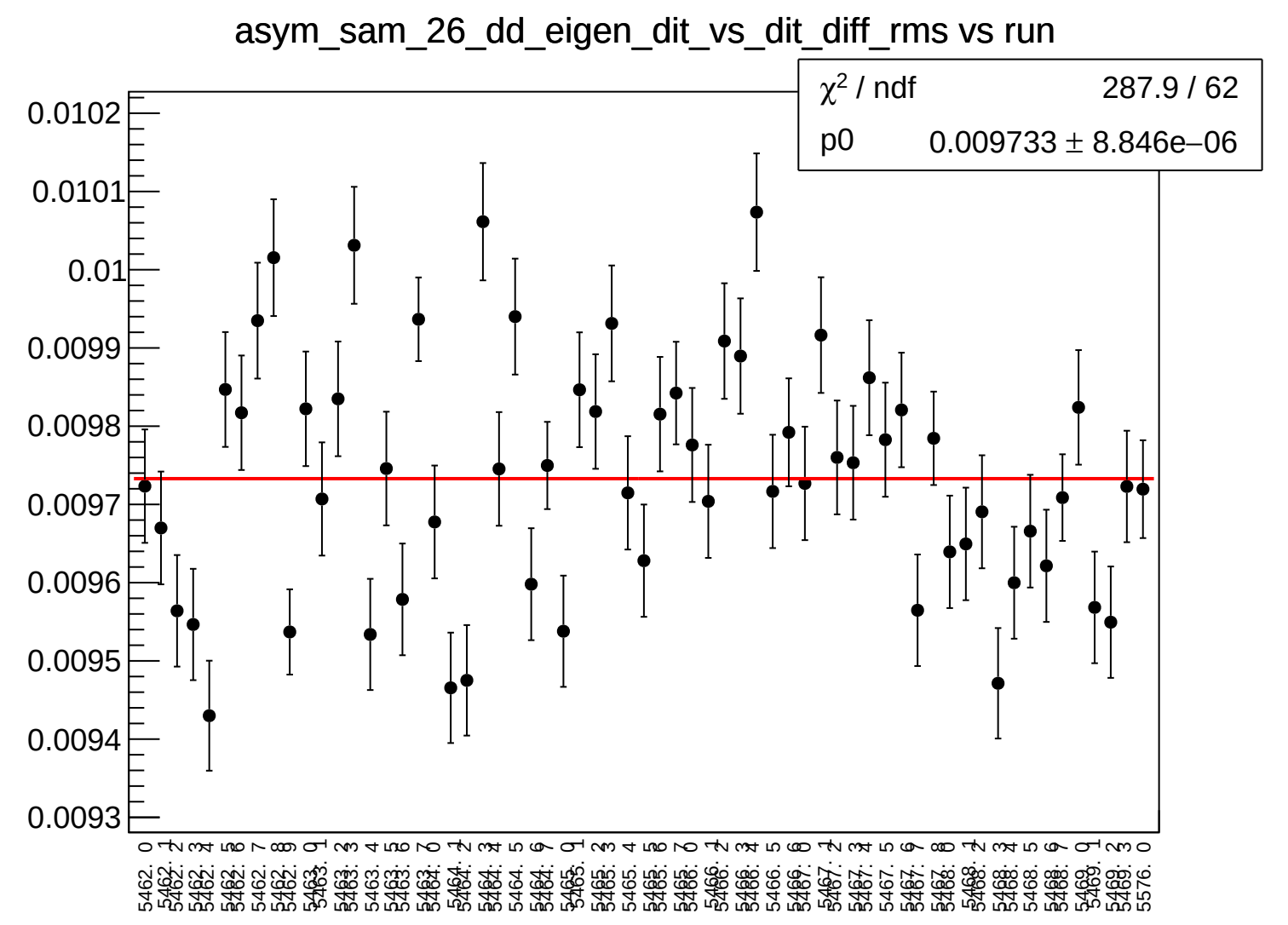

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.85 / 62
p0 −0.3369 ± 0.2046
pull
Entries 63
Mean −30.12
Std Dev 0

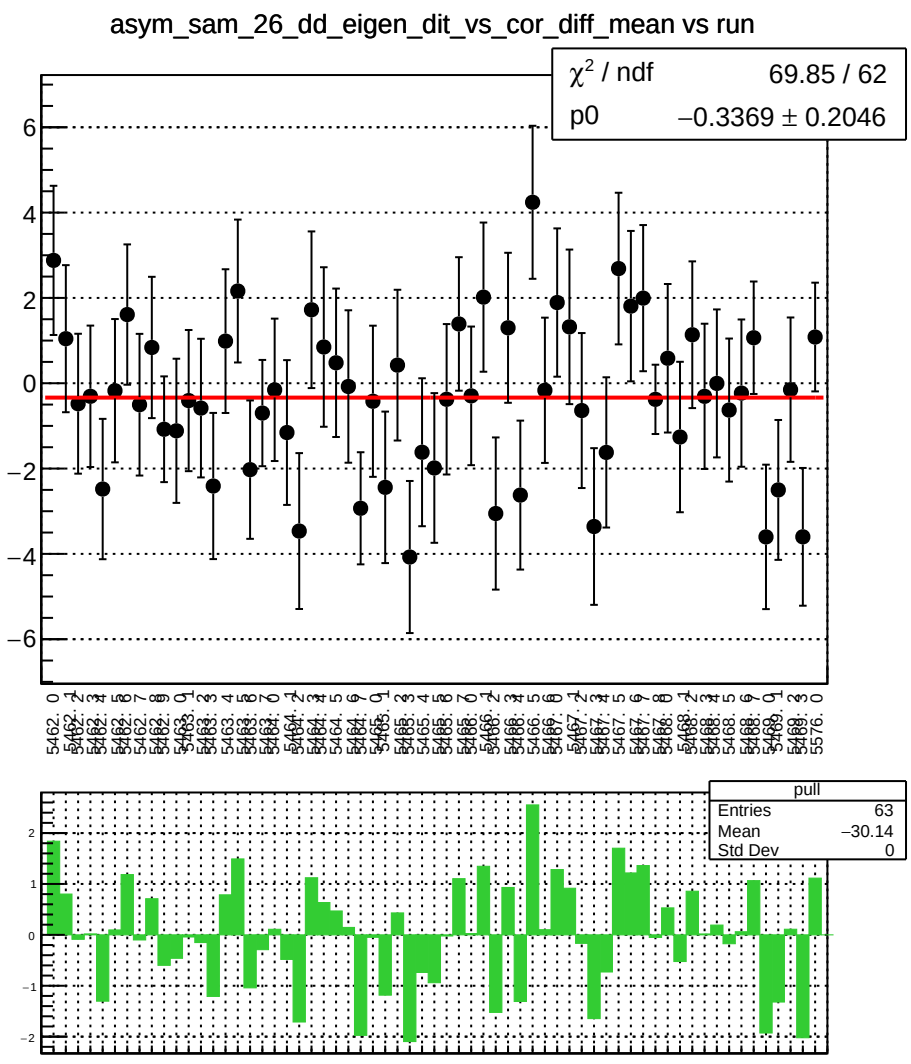

pull1D
Entries 63
Mean 0.007054
Std Dev 1.053

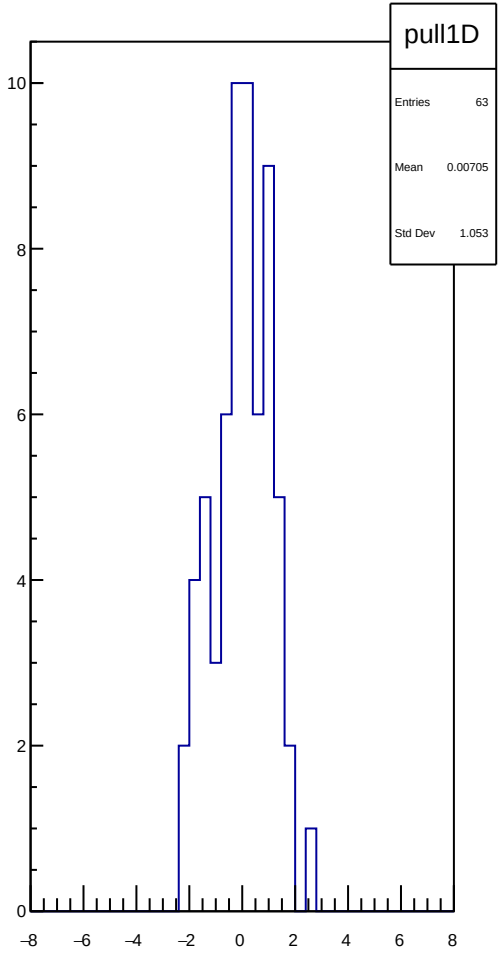

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 158.2 ± 0.1447
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

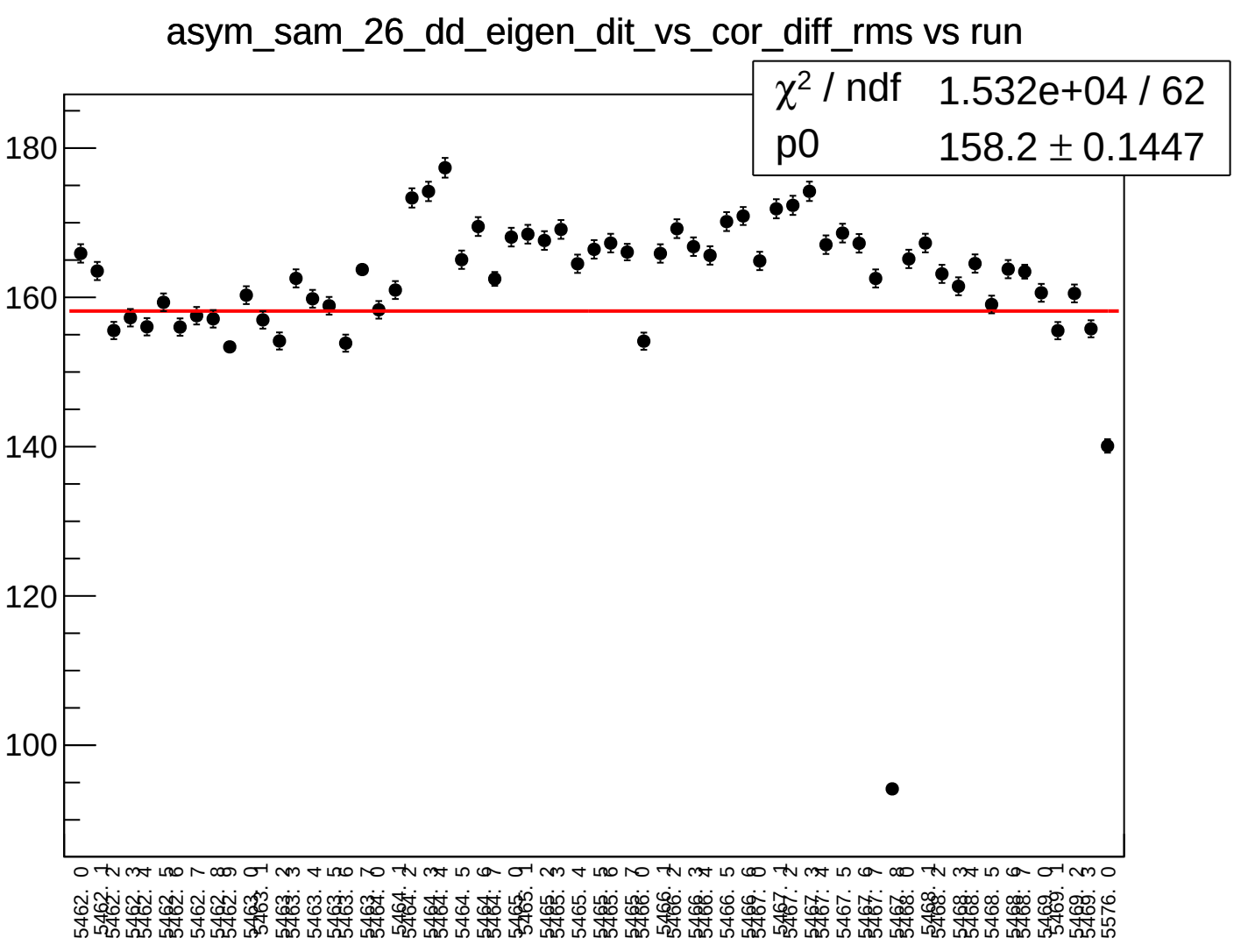

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.39 / 62
p0 −8.2e−06 ± 1.251e−05
pull
Entries 63
Mean −31.88
Std Dev 0


pull1D
Entries 63
Mean −0.01527
Std Dev 0.903


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 287.9 / 62
p0 0.009733 ± 8.846e−06
0.0102
0.0101
0.01
0.0099
0.0098
0.0097
0.0096
0.0095
0.0094
0.0093


asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.85 / 62
p0 −0.3369 ± 0.2046
pull
Entries 63
Mean −30.14
Std Dev 0


pull1D
Entries 63
Mean 0.00705
Std Dev 1.053


asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 158.2 ± 0.1447
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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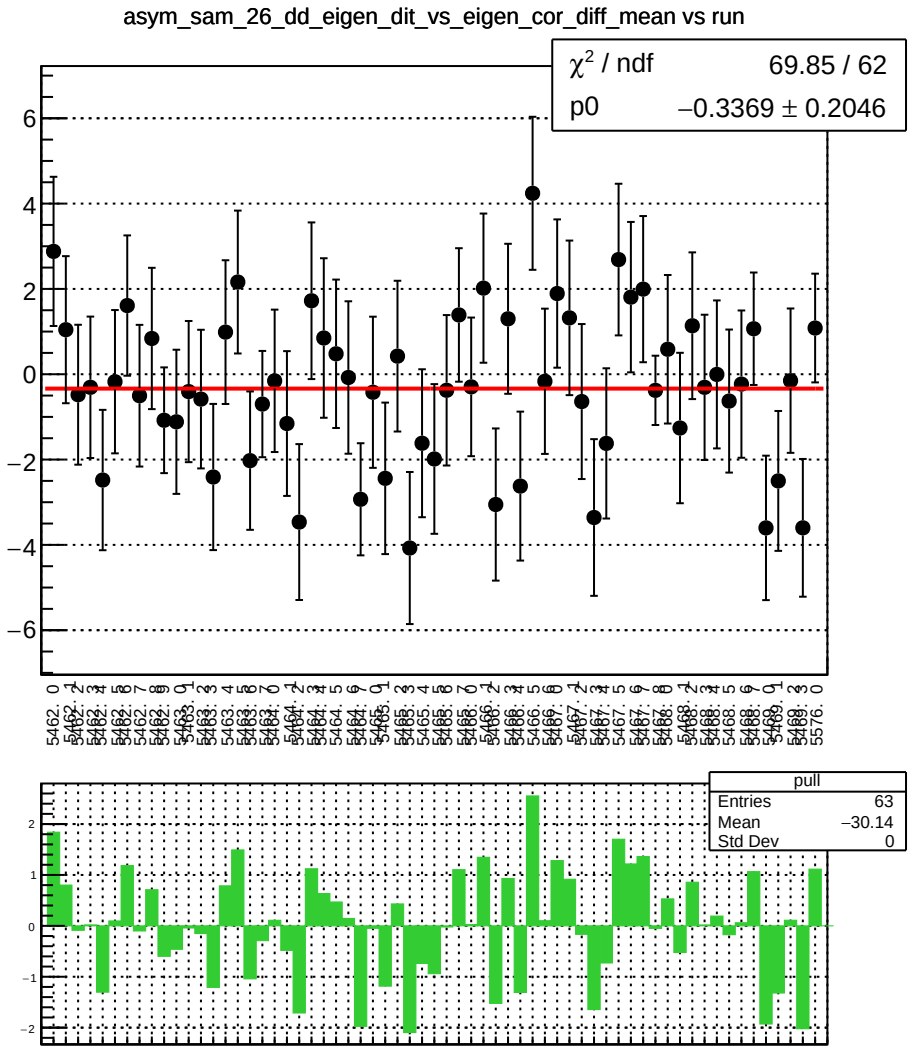
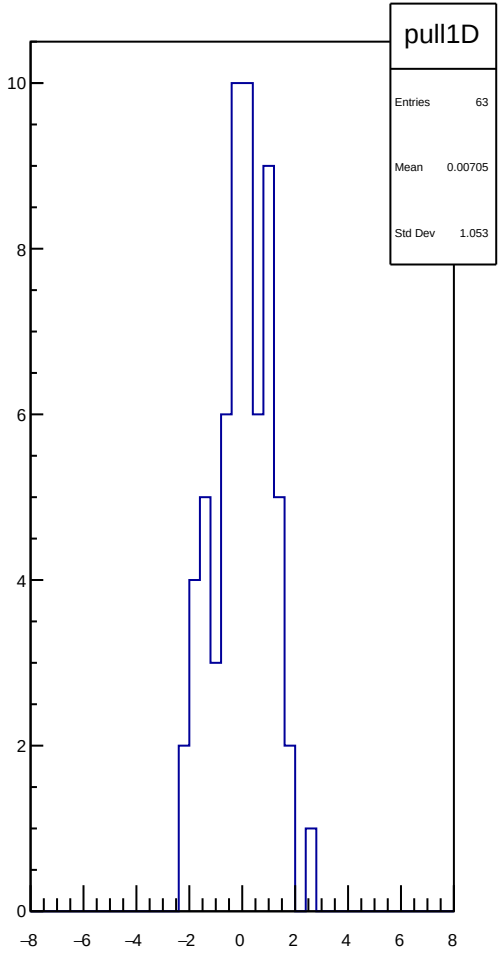
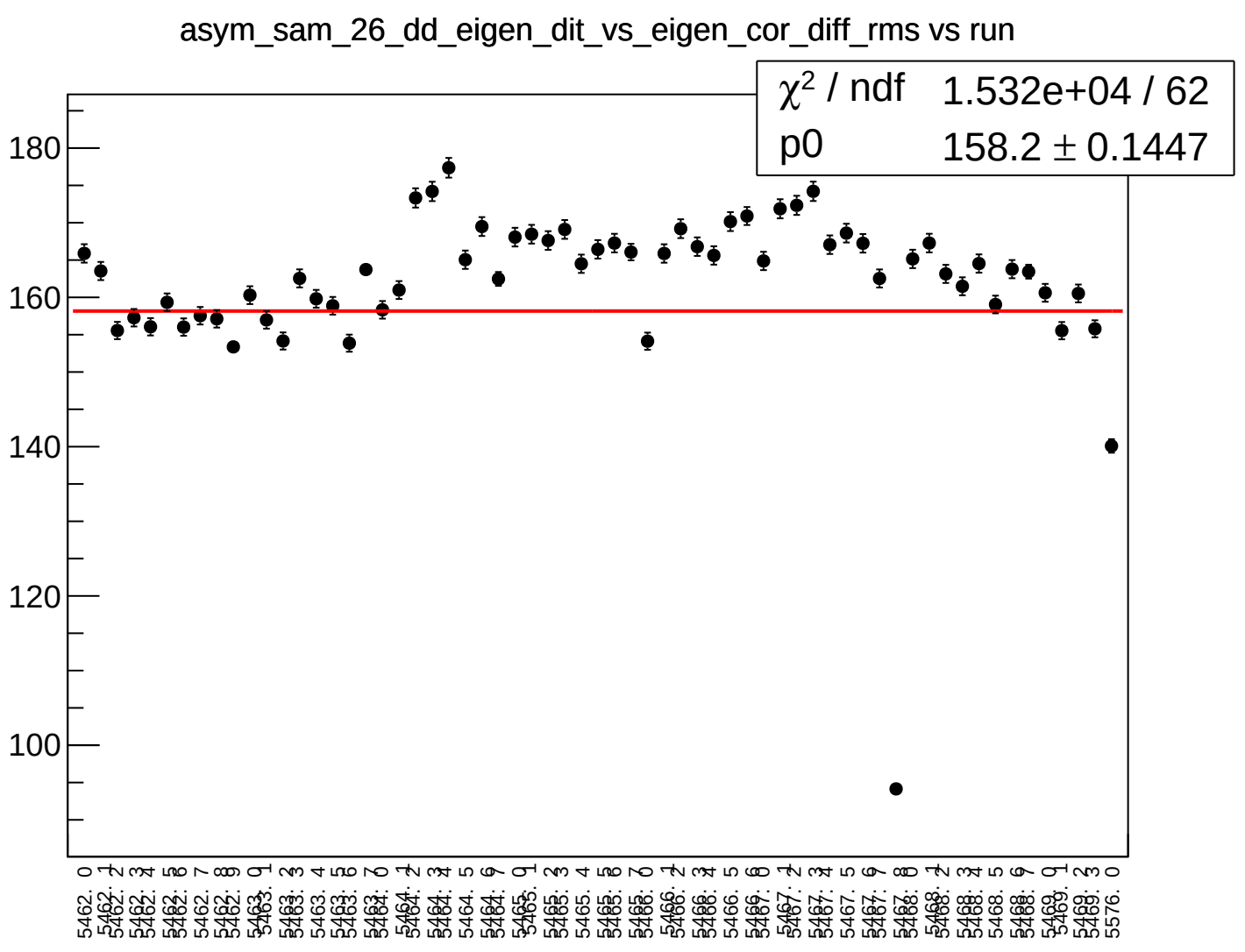
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.85 / 62
p0 −0.3369 ± 0.2046
pull
Entries 63
Mean −30.14
Std Dev 0


pull1D
Entries 63
Mean 0.00705
Std Dev 1.053


asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.532e+04 / 62
p0 158.2 ± 0.1447
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
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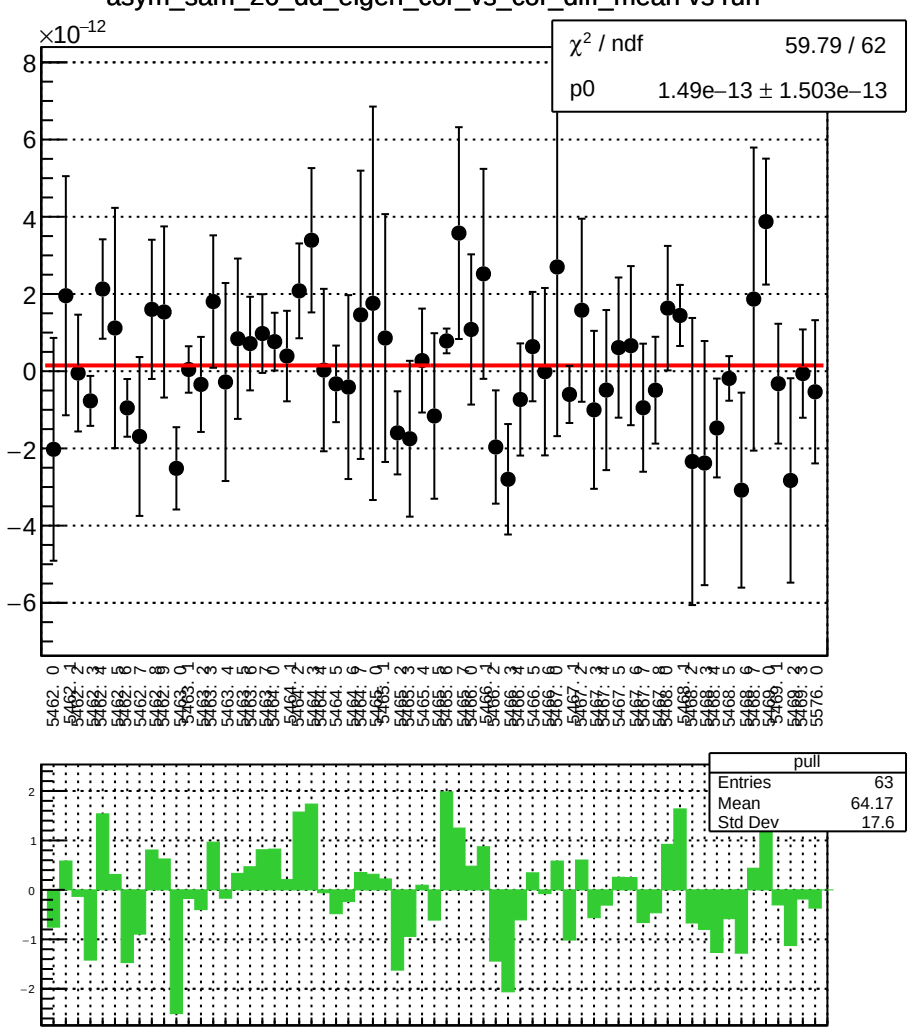
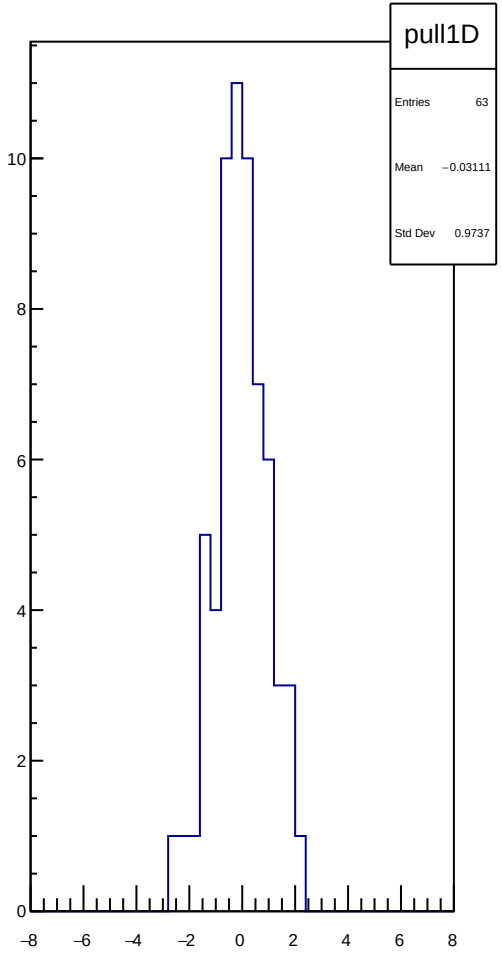
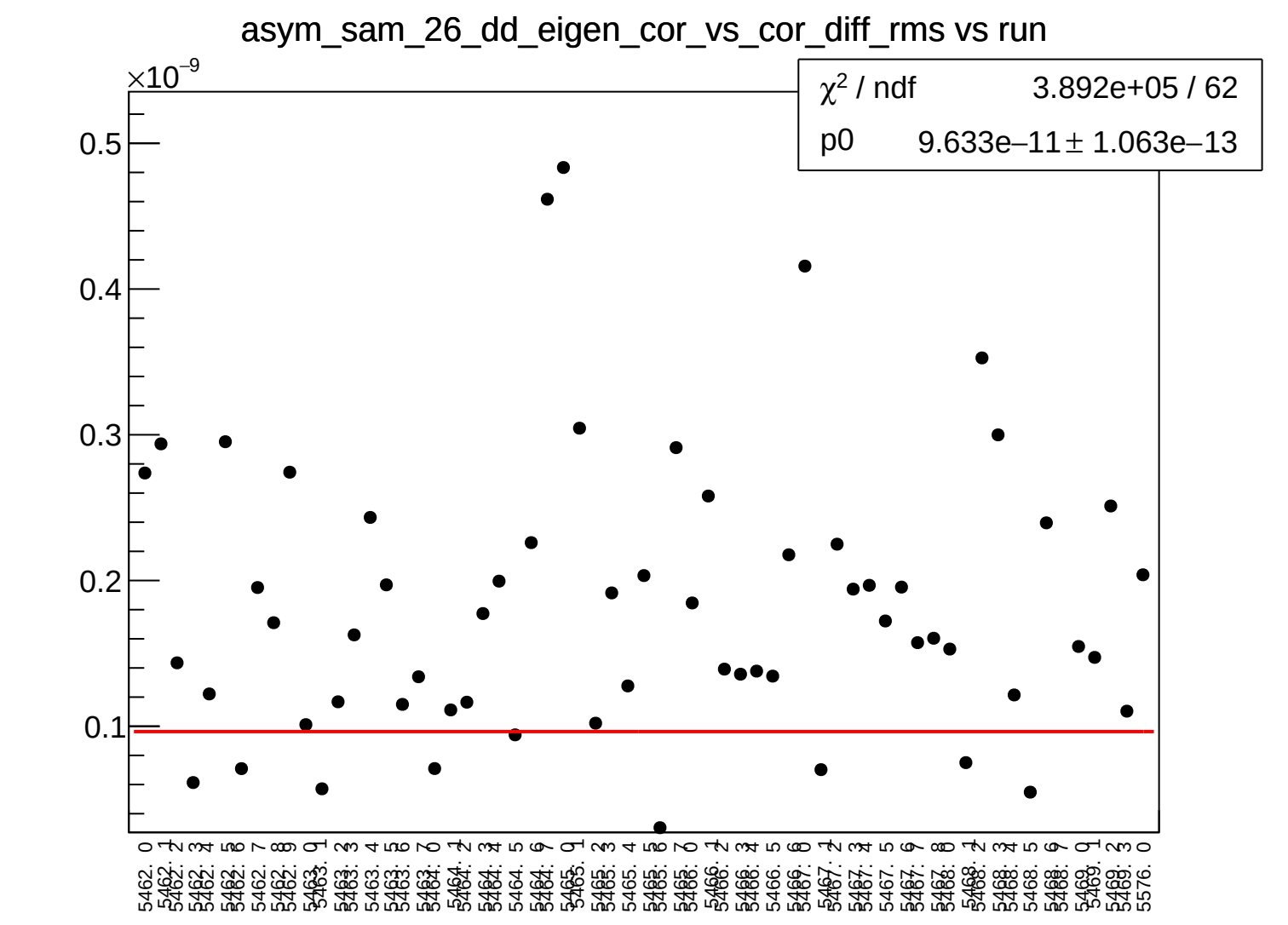
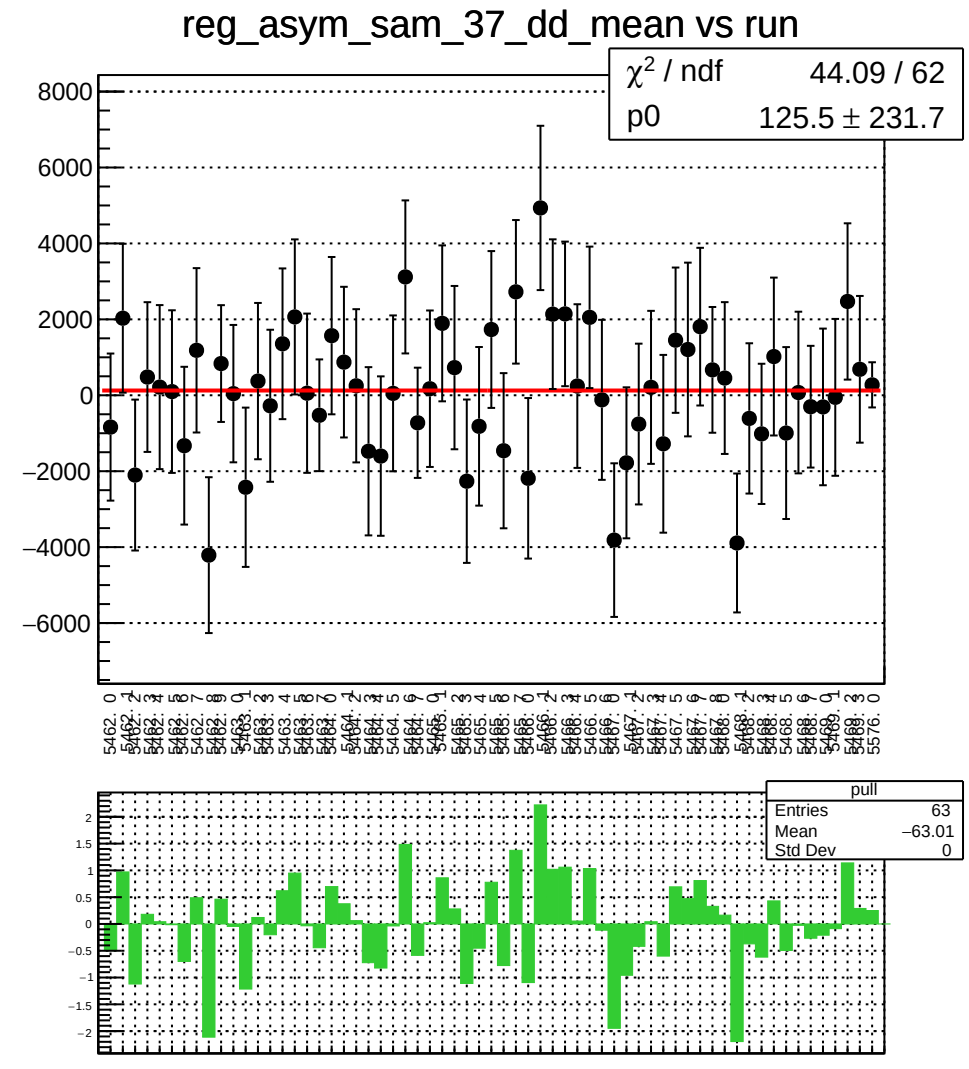
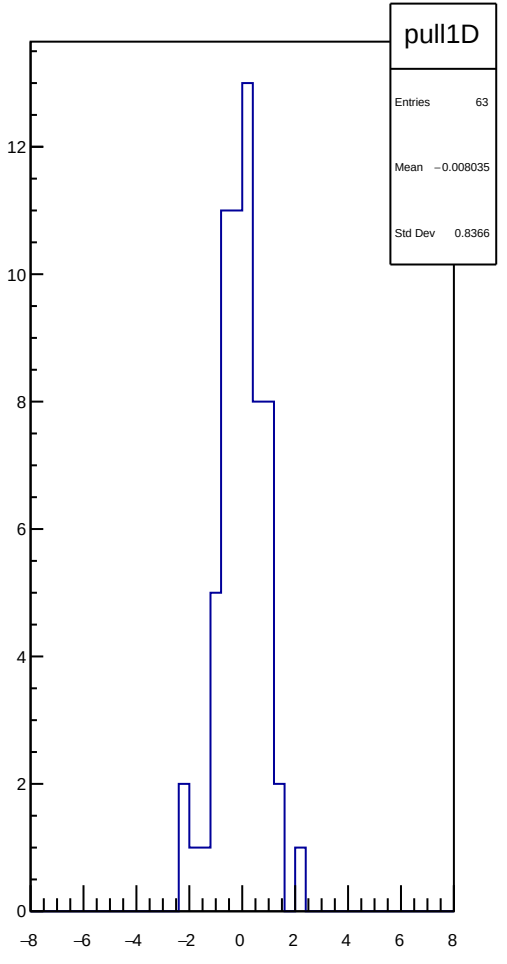
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

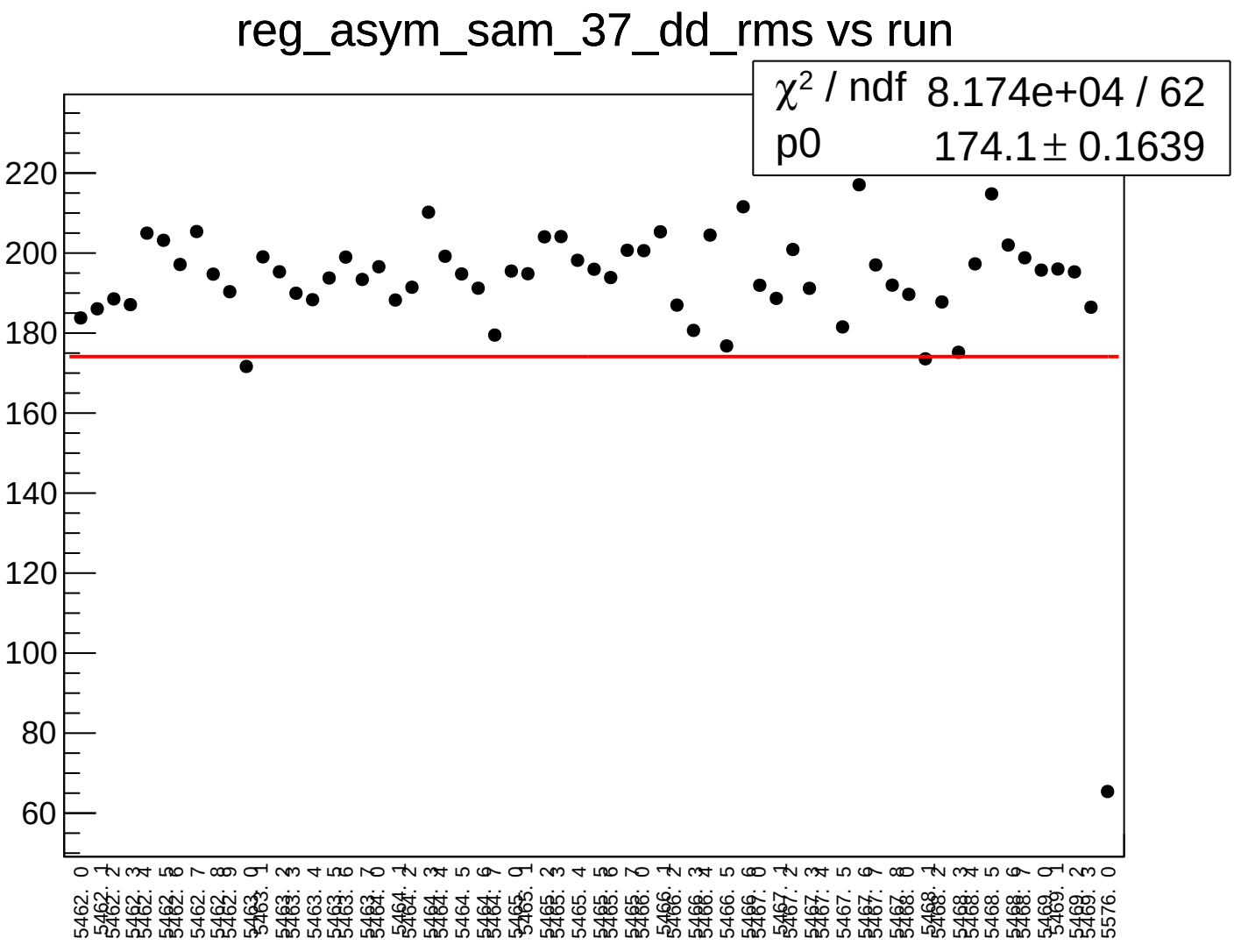

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.79 / 62
p0 1.49e−13 ± 1.503e−13
pull
Entries 63
Mean 64.17
Std Dev 17.6

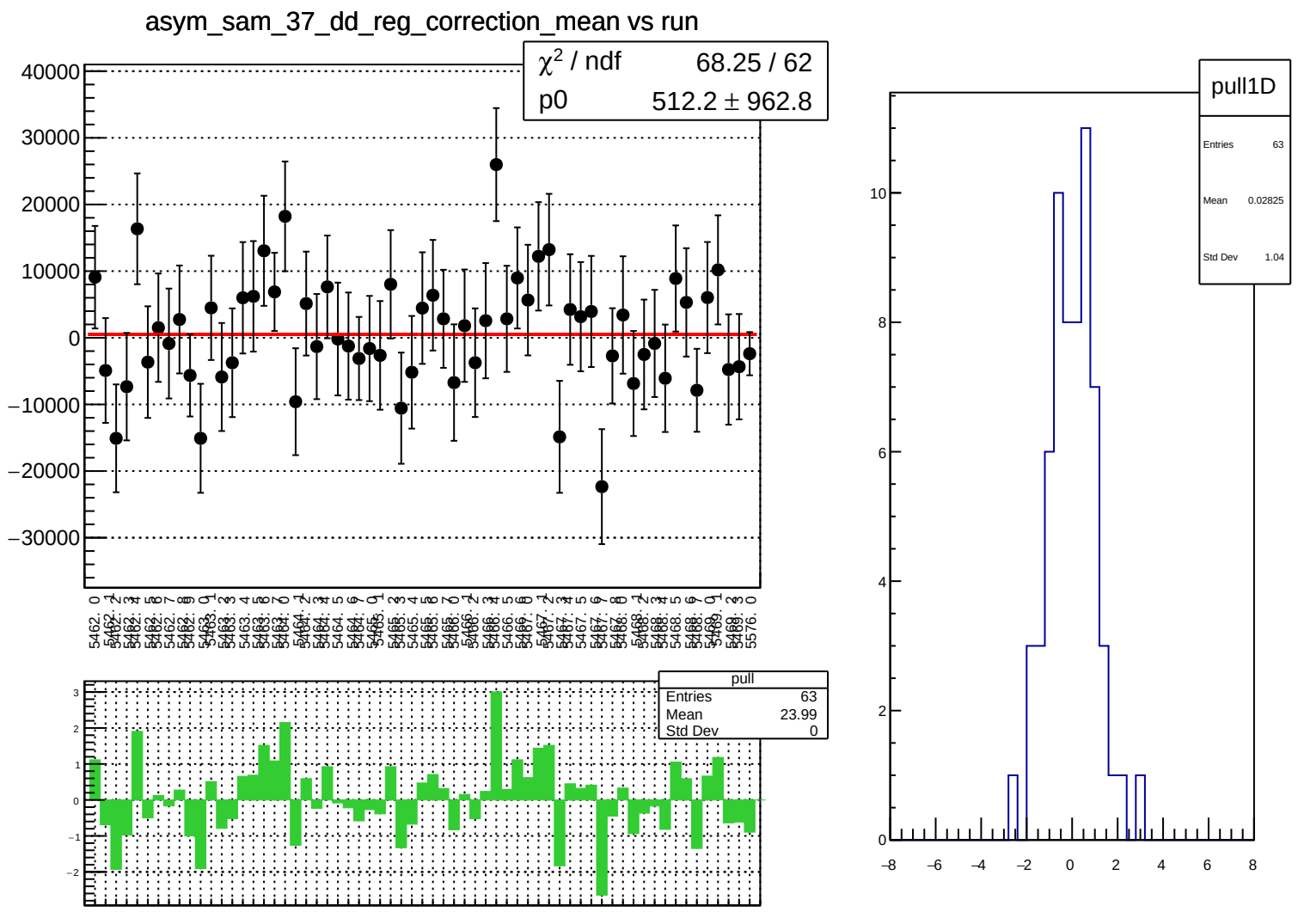

pull1D
Entries 63
Mean −0.03111
Std Dev 0.9737

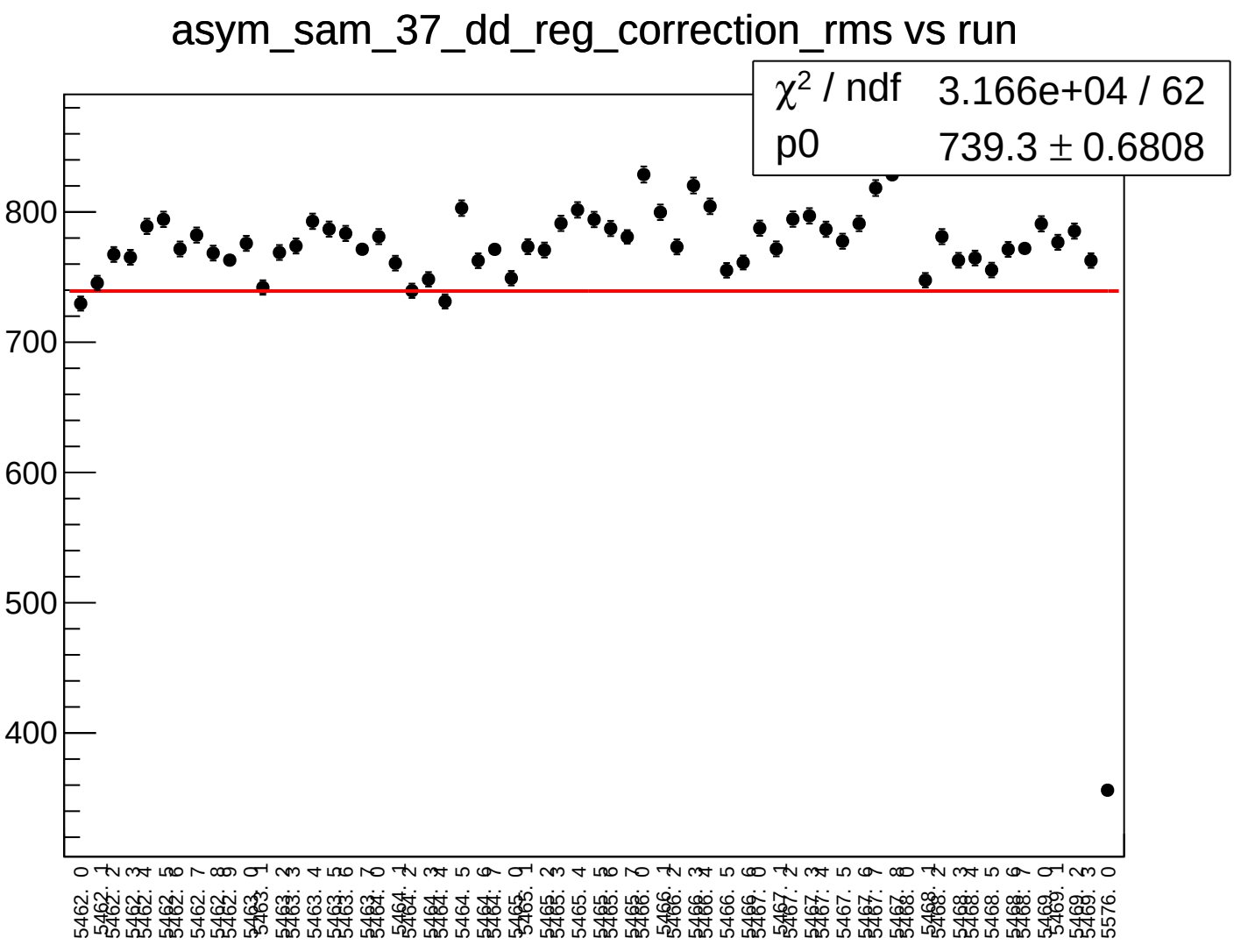

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.892e+05 / 62
p0 9.633e−11 ± 1.063e−13
0.5
0.4
0.3
0.2
0.1

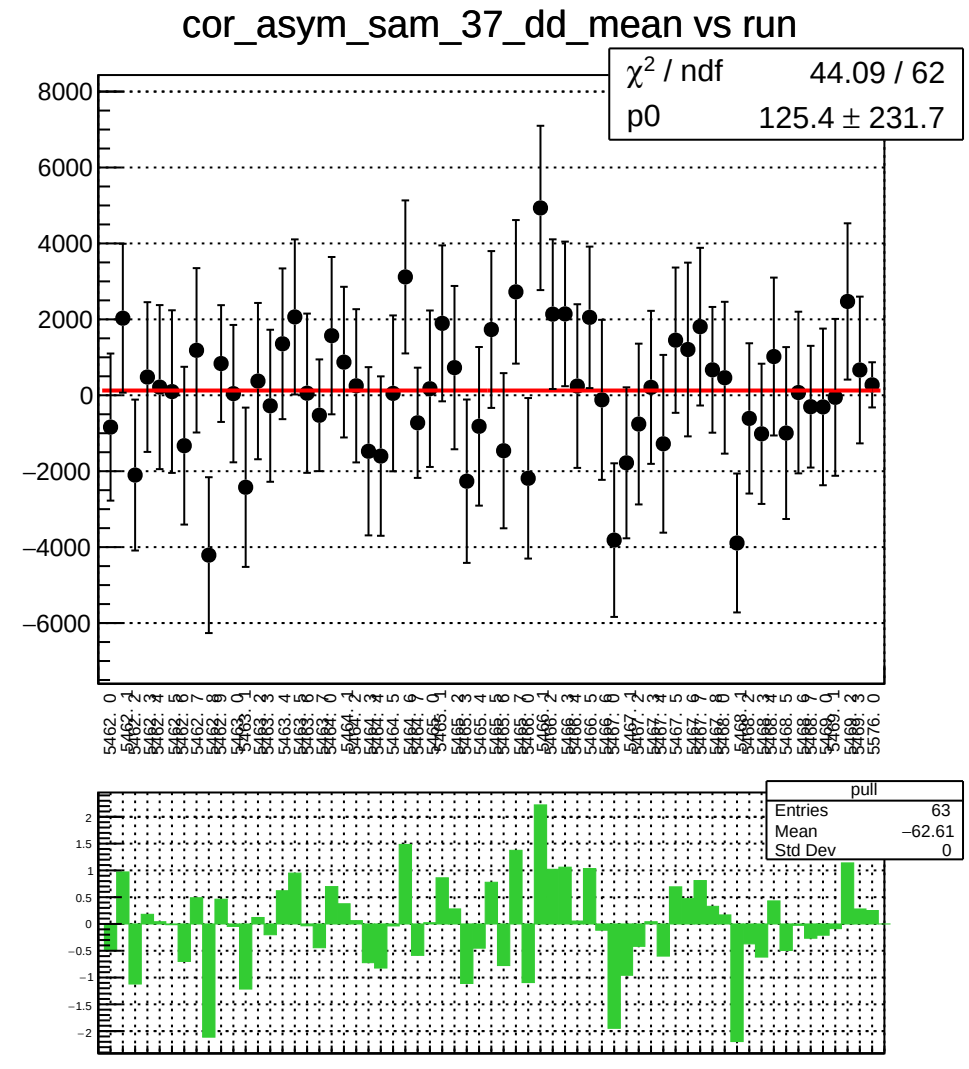

reg_asym_sam_37_dd_mean vs run
χ² / ndf 44.09 / 62
p0 125.5 ± 231.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean −63.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

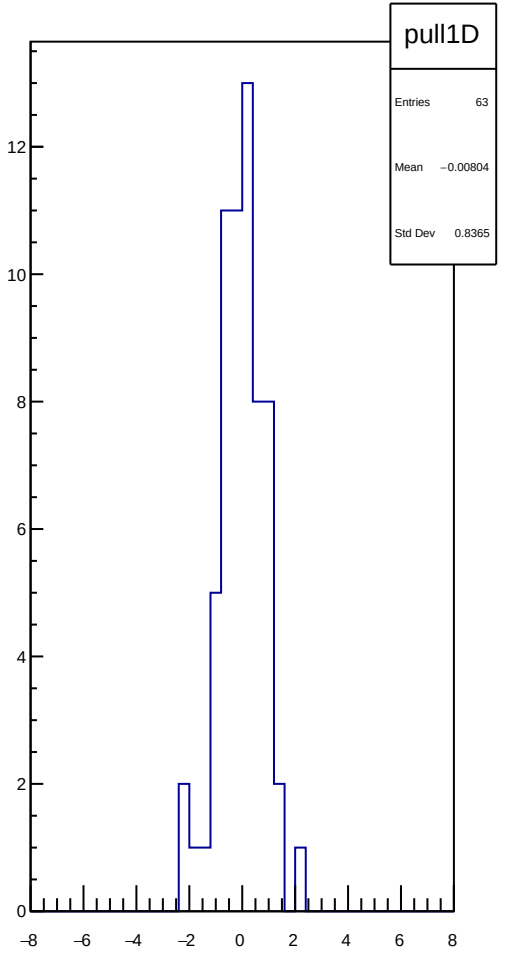

pull1D
Entries 63
Mean −0.008035
Std Dev 0.8366
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

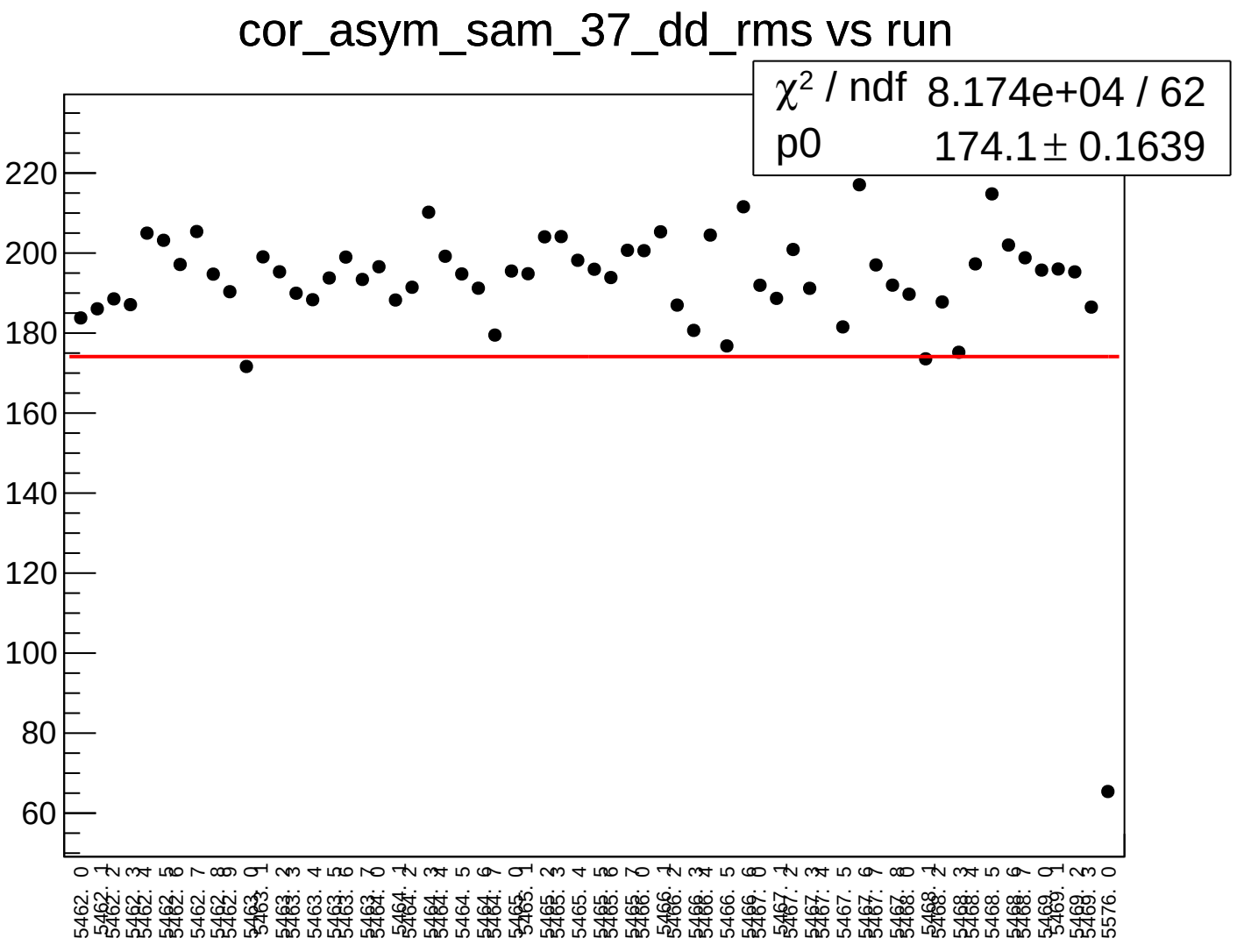

reg_asym_sam_37_dd_rms vs run
χ² / ndf 8.174e+04 / 62
p0 174.1 ± 0.1639
220
200
180
160
140
120
100
80
60

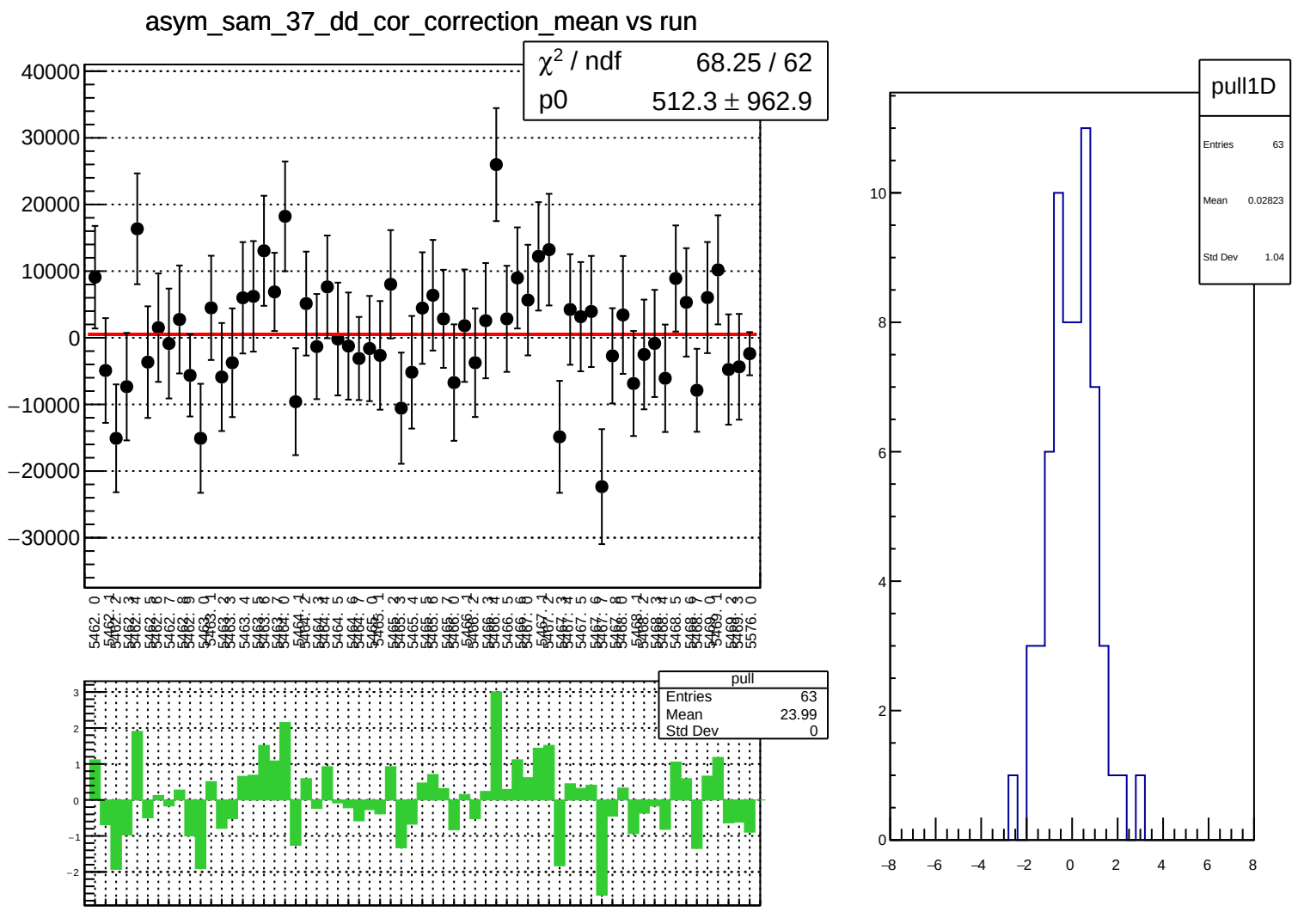

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 68.25 / 62
p0 512.2 ± 962.8
pull
Entries 63
Mean 23.99
Std Dev 0
pull1D
Entries 63
Mean 0.02825
Std Dev 1.04

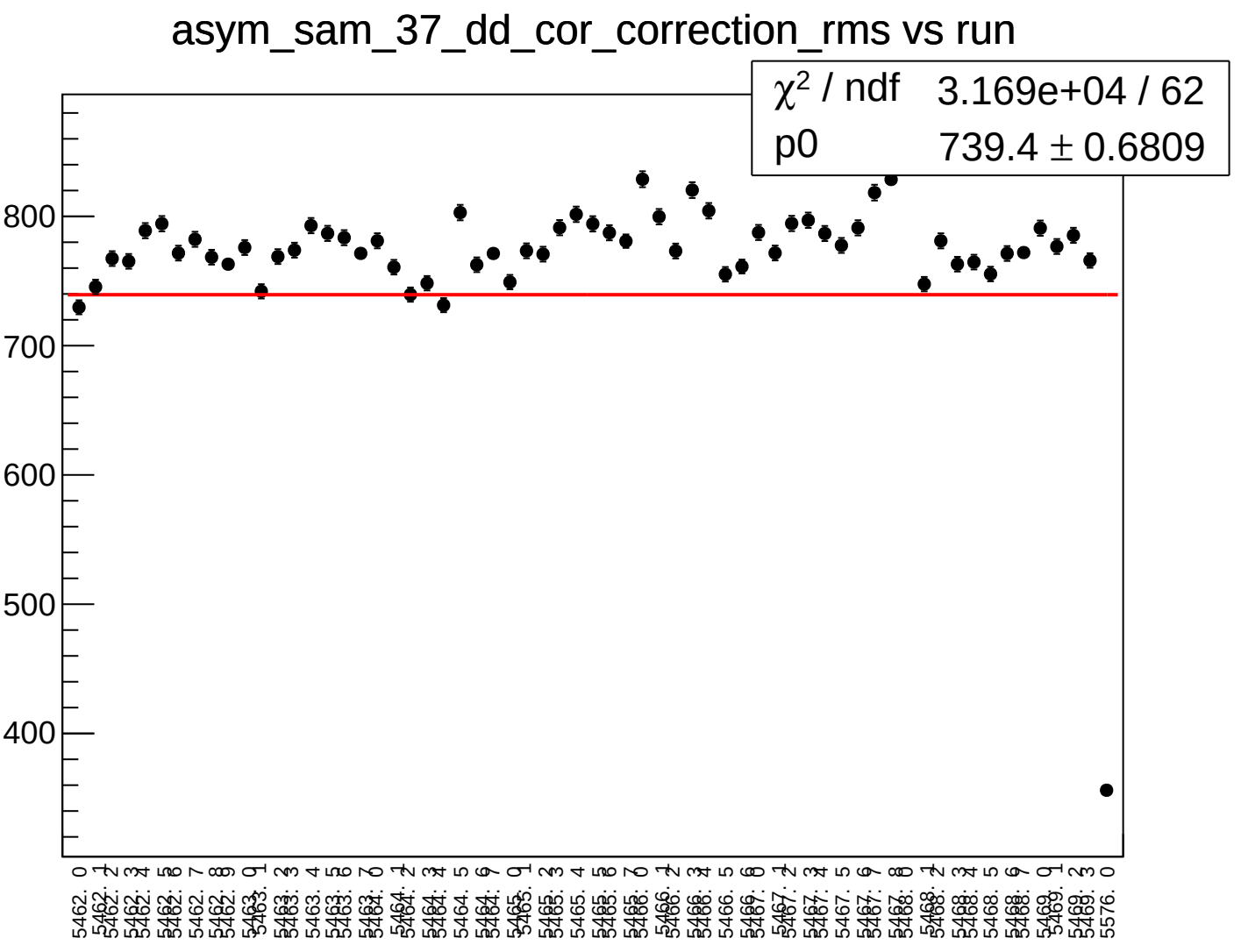

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 3.166e+04 / 62
p0 739.3 ± 0.6808
800
700
600
500
400

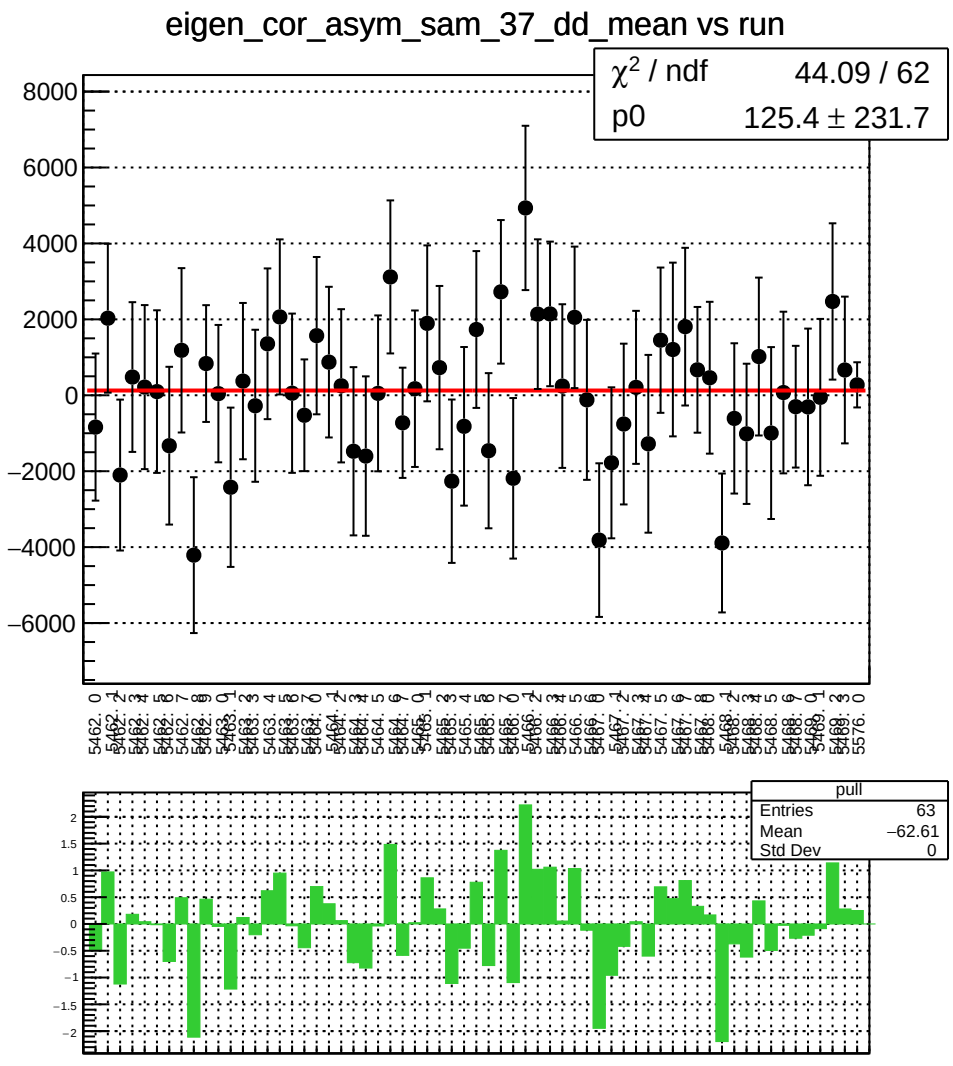

cor_asym_sam_37_dd_mean vs run
χ² / ndf 44.09 / 62
p0 125.4 ± 231.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean −62.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

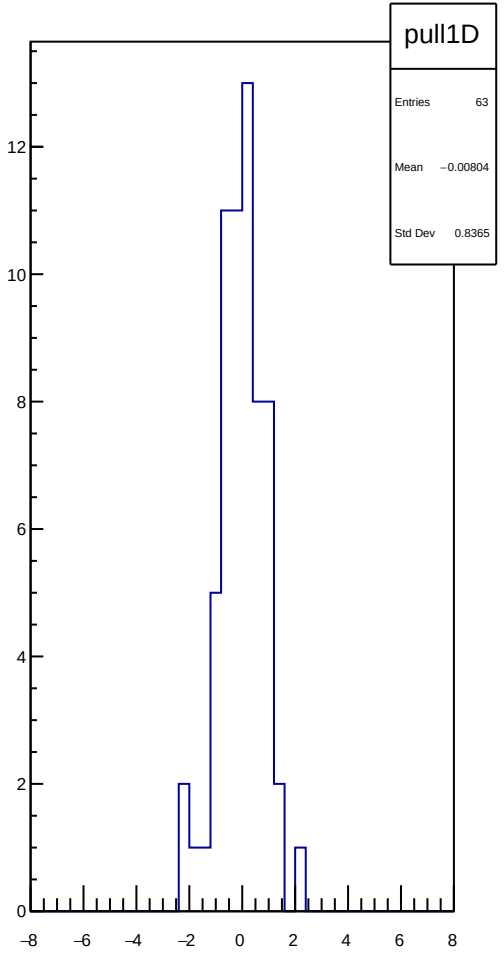

pull1D
Entries 63
Mean −0.00804
Std Dev 0.8365
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

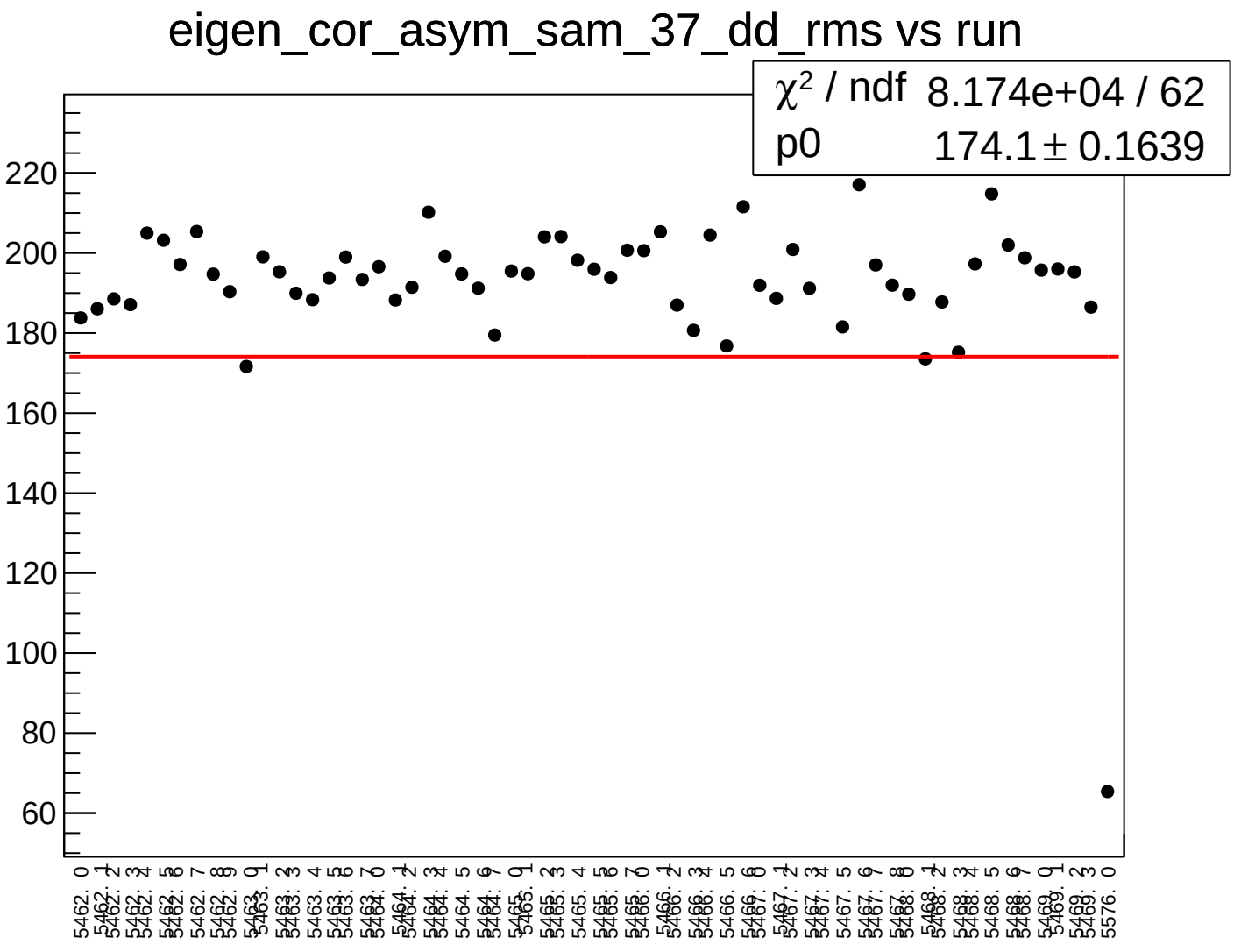

cor_asym_sam_37_dd_rms vs run
χ² / ndf 8.174e+04 / 62
p0 174.1 ± 0.1639
220
200
180
160
140
120
100
80
60

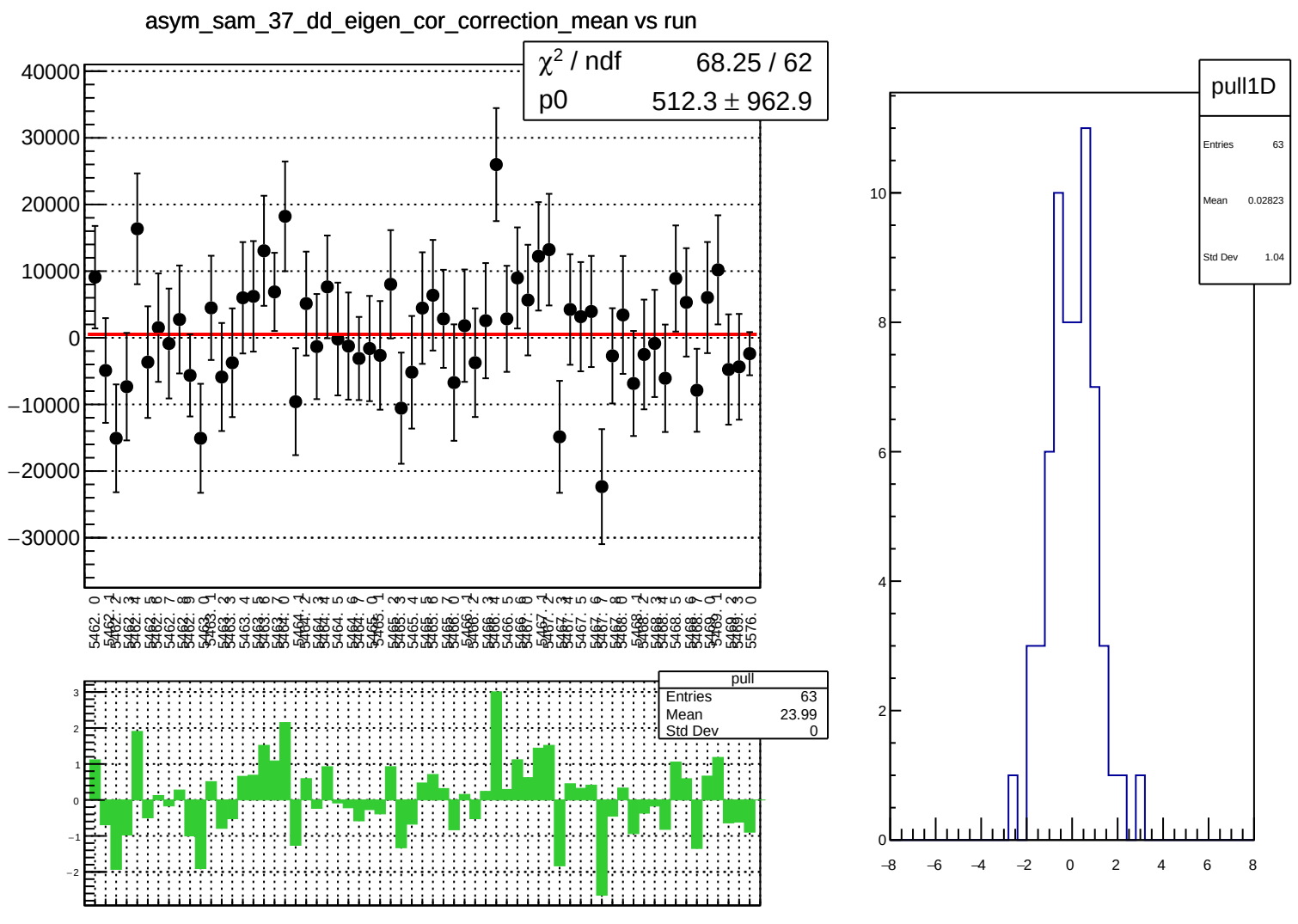

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 68.25 / 62
p0 512.3 ± 962.9
pull
Entries 63
Mean 23.99
Std Dev 0
pull1D
Entries 63
Mean 0.02823
Std Dev 1.04

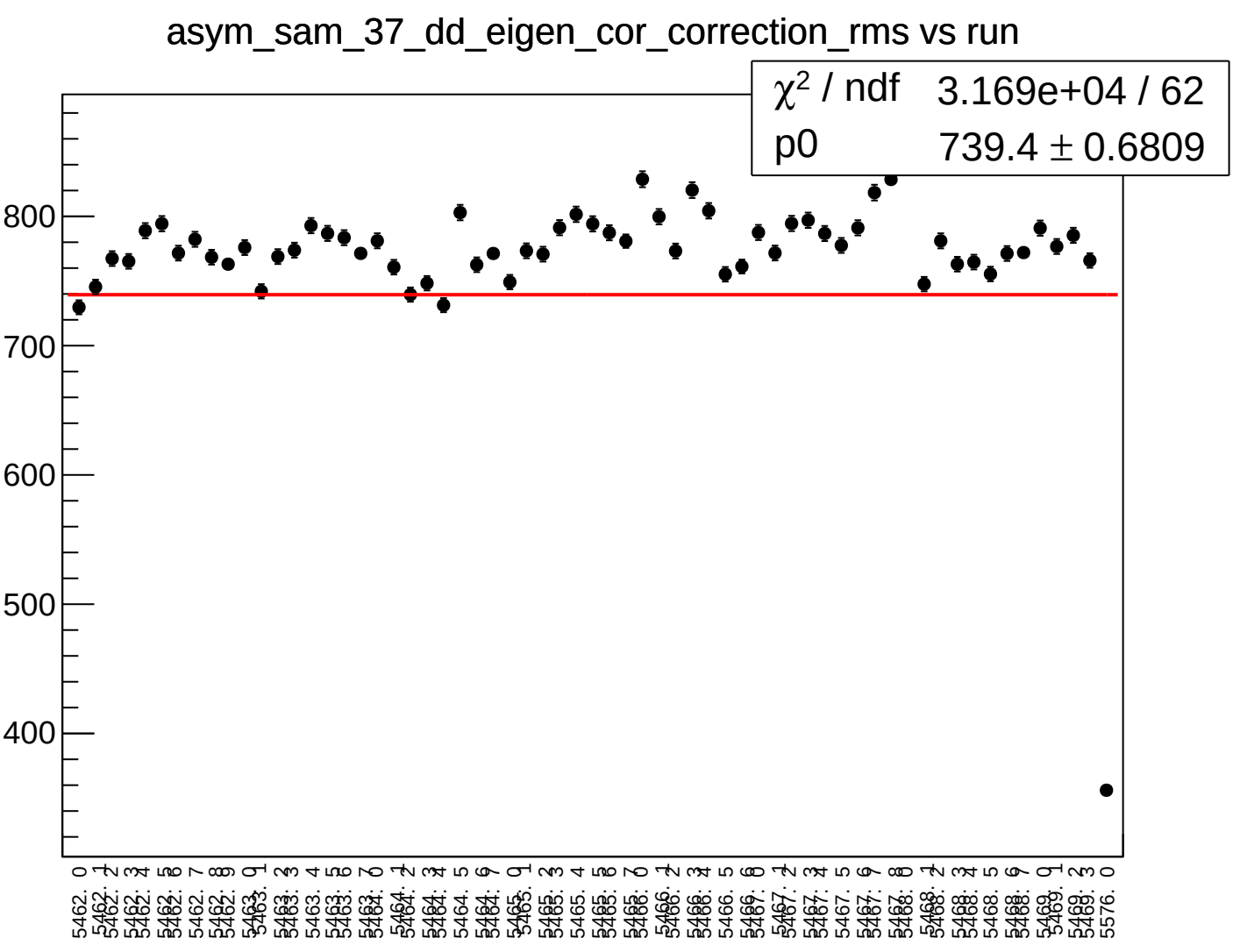

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 3.169e+04 / 62
p0 739.4 ± 0.6809
800
700
600
500
400

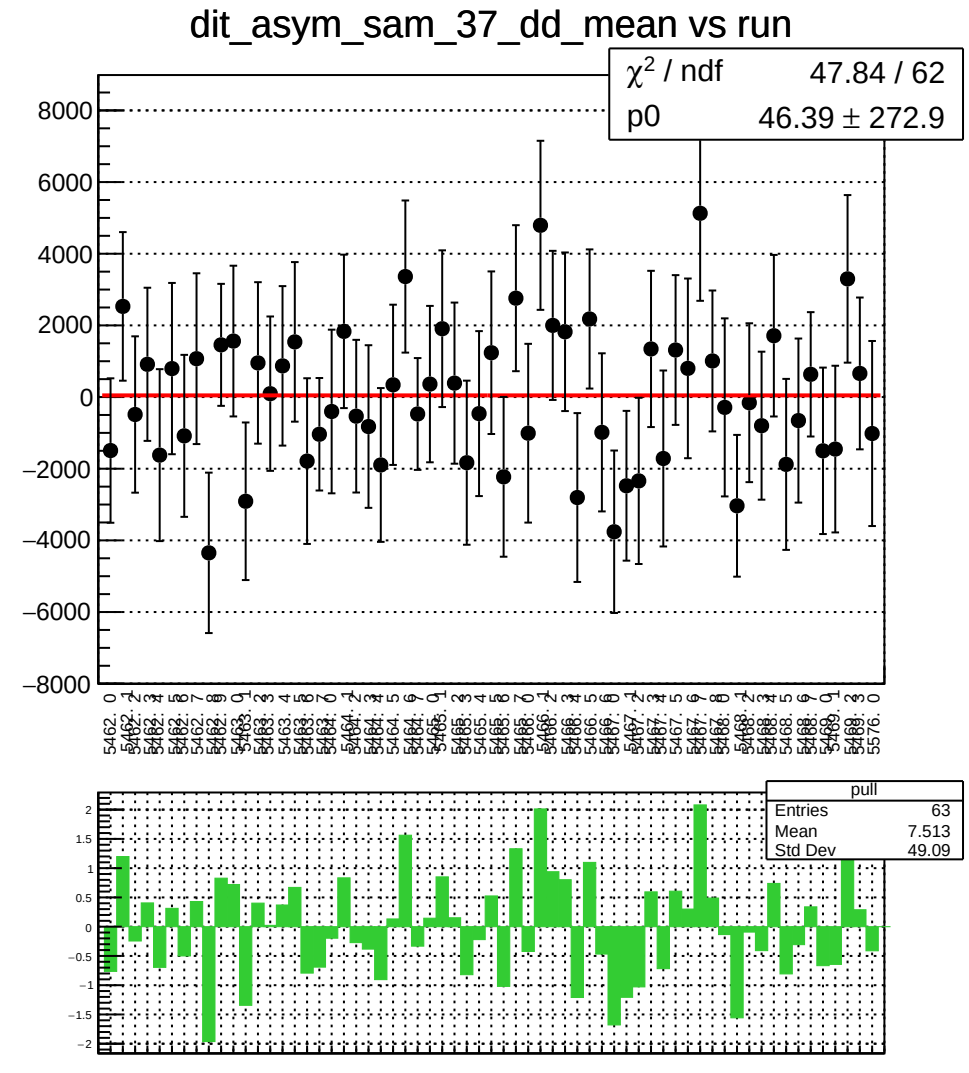

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 44.09 / 62
p0 125.4 ± 231.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 63
Mean −62.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

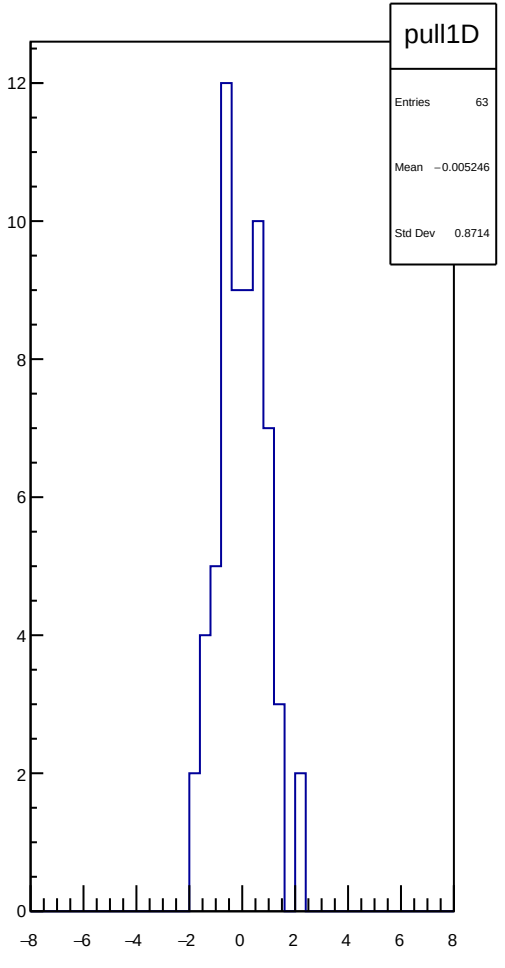

pull1D
Entries 63
Mean −0.00804
Std Dev 0.8365
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

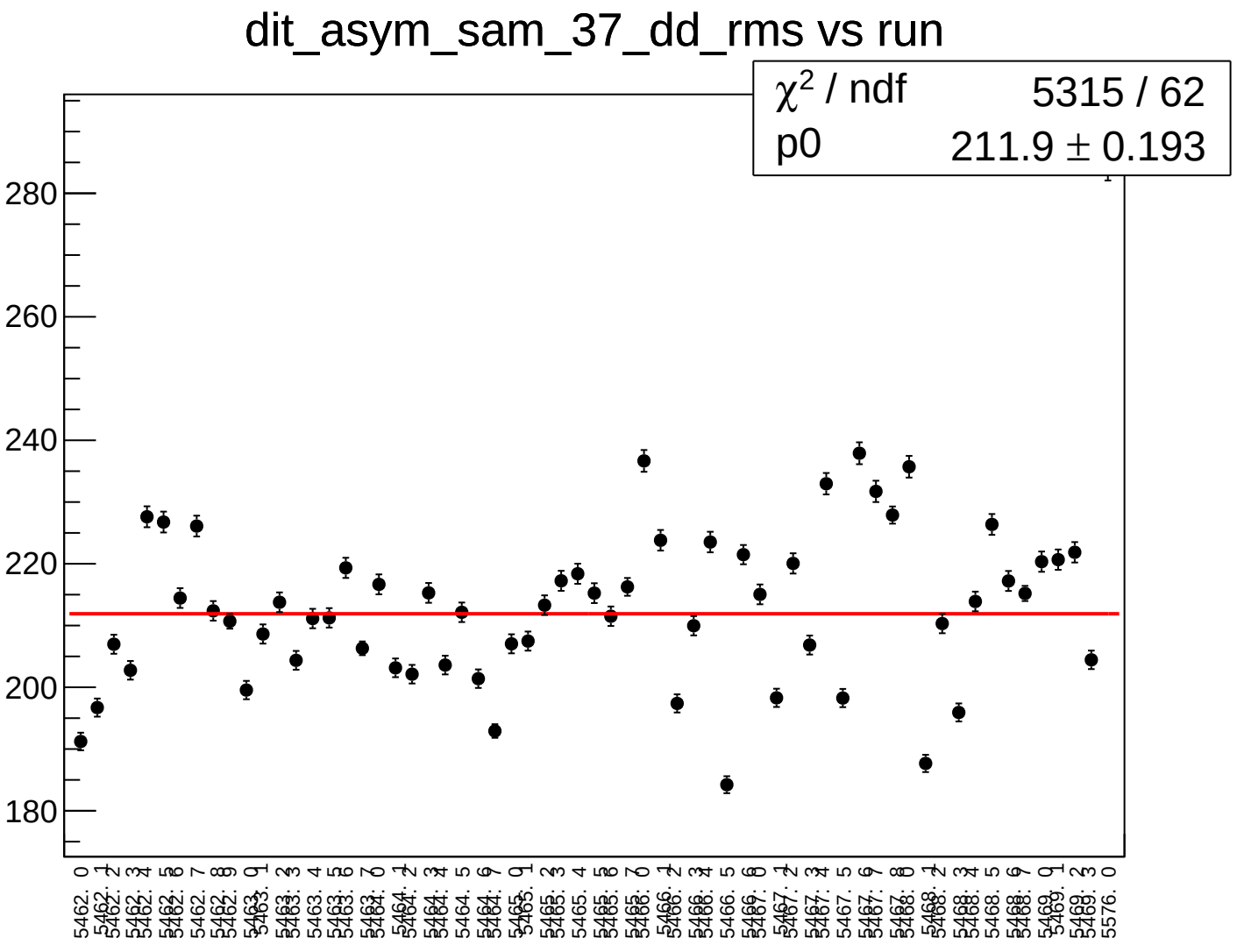

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 8.174e+04 / 62
p0 174.1 ± 0.1639
220
200
180
160
140
120
100
80
60

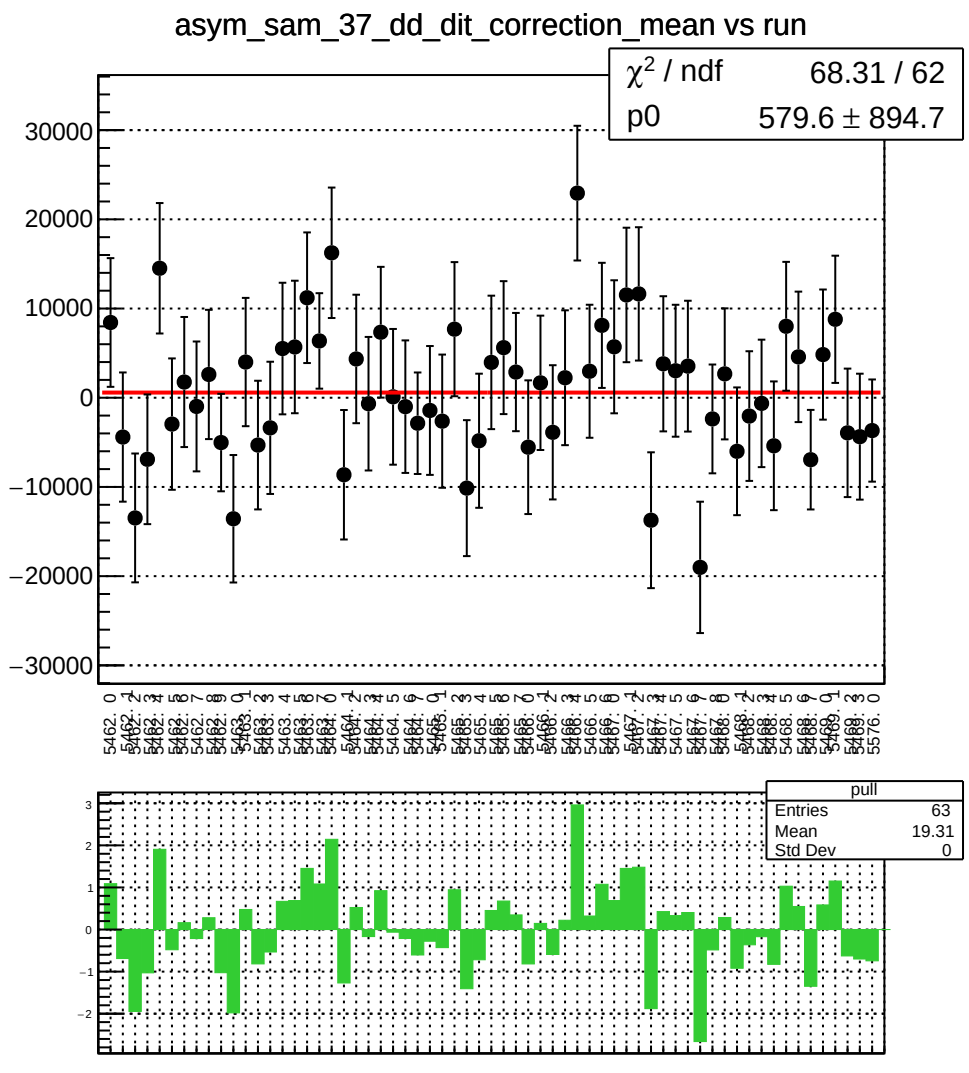

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.25 / 62
p0 512.3 ± 962.9
pull
Entries 63
Mean 23.99
Std Dev 0
pull1D
Entries 63
Mean 0.02823
Std Dev 1.04

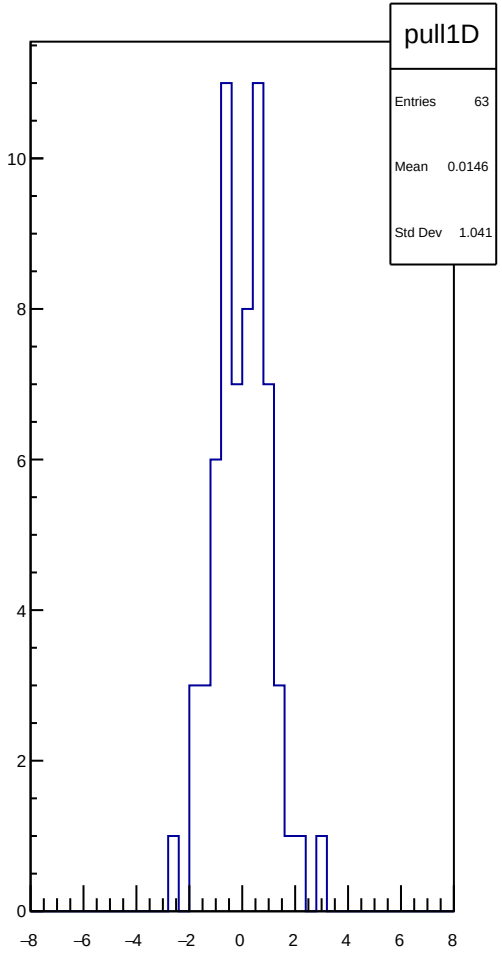

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.169e+04 / 62
p0 739.4 ± 0.6809
800
700
600
500
400

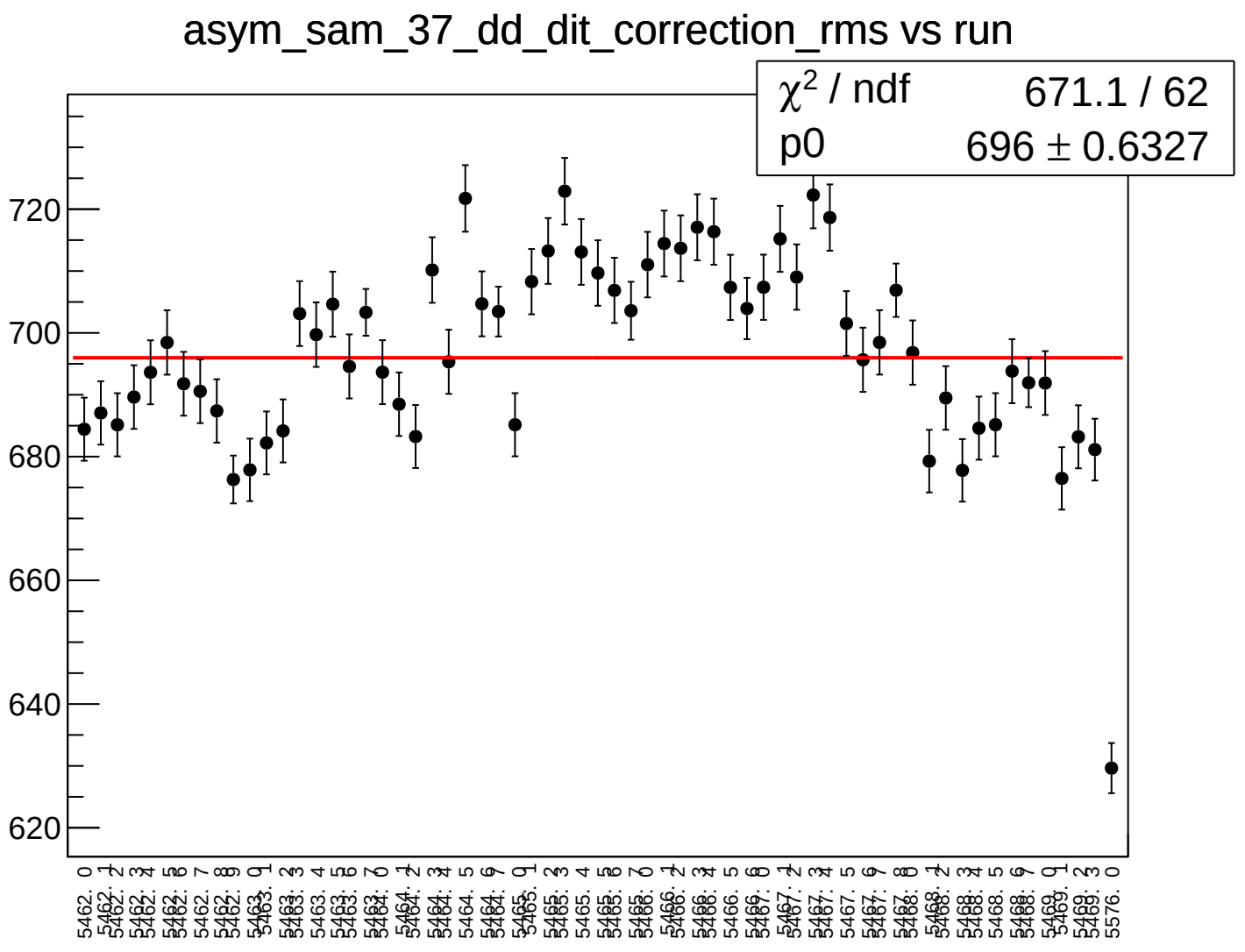

dit_asym_sam_37_dd_mean vs run
χ² / ndf 47.84 / 62
p0 46.39 ± 272.9
pull
Entries 63
Mean 7.513
Std Dev 49.09

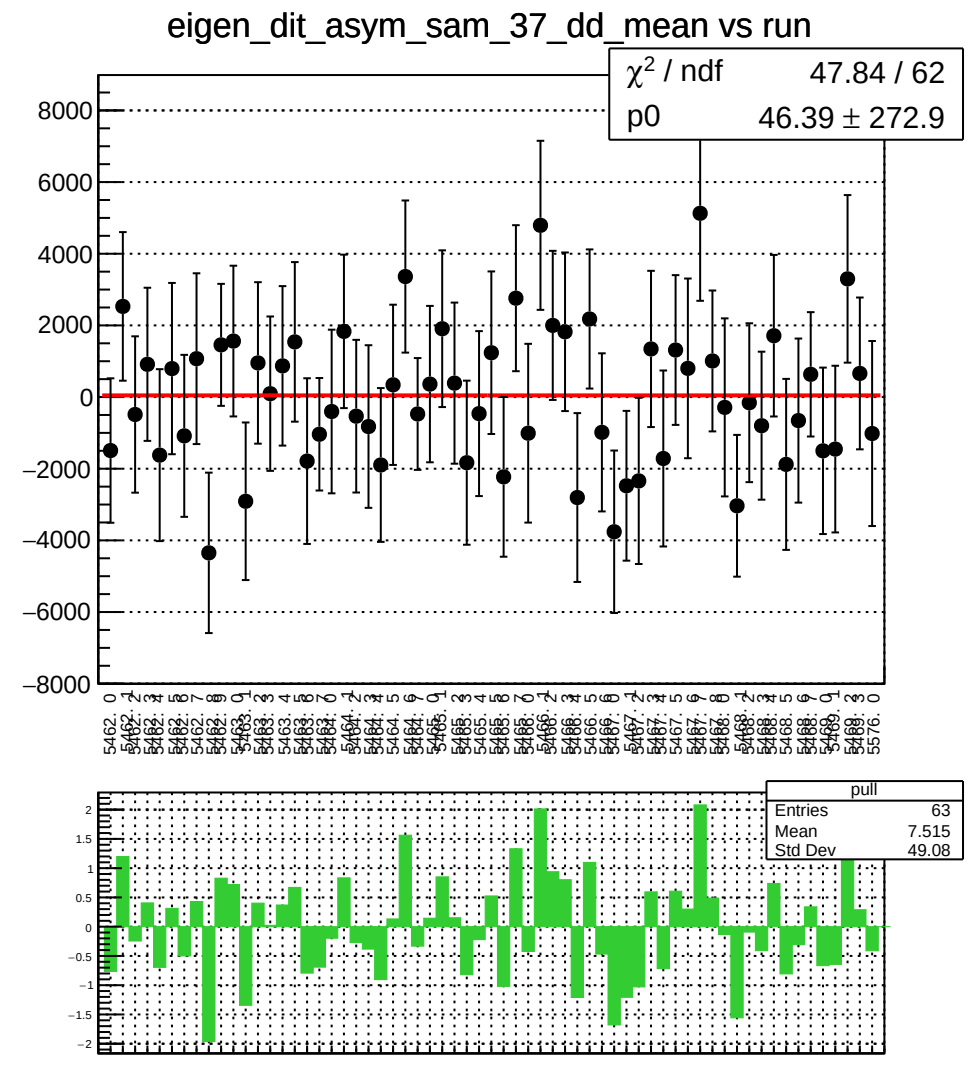

pull1D
Entries 63
Mean −0.005246
Std Dev 0.8714

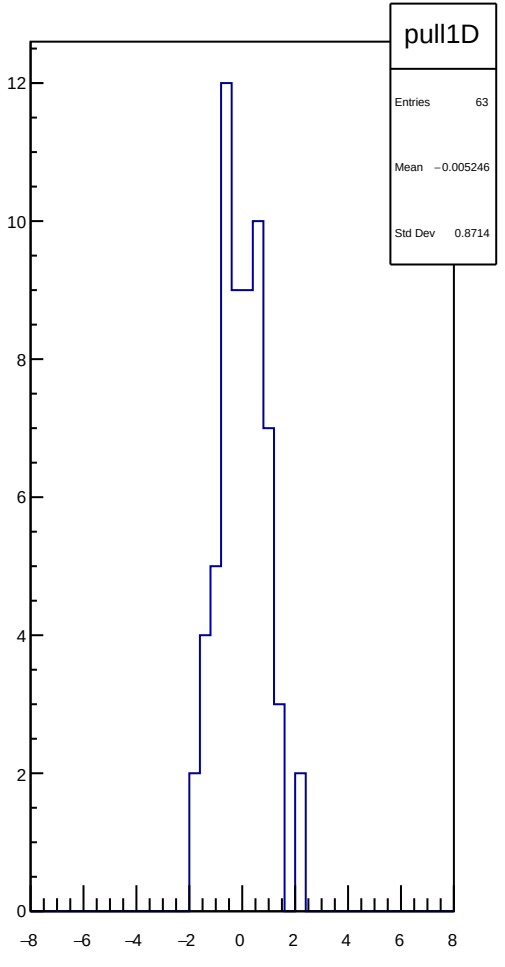

dit_asym_sam_37_dd_rms vs run
χ² / ndf 5315 / 62
p0 211.9 ± 0.193
280
260
240
220
200
180

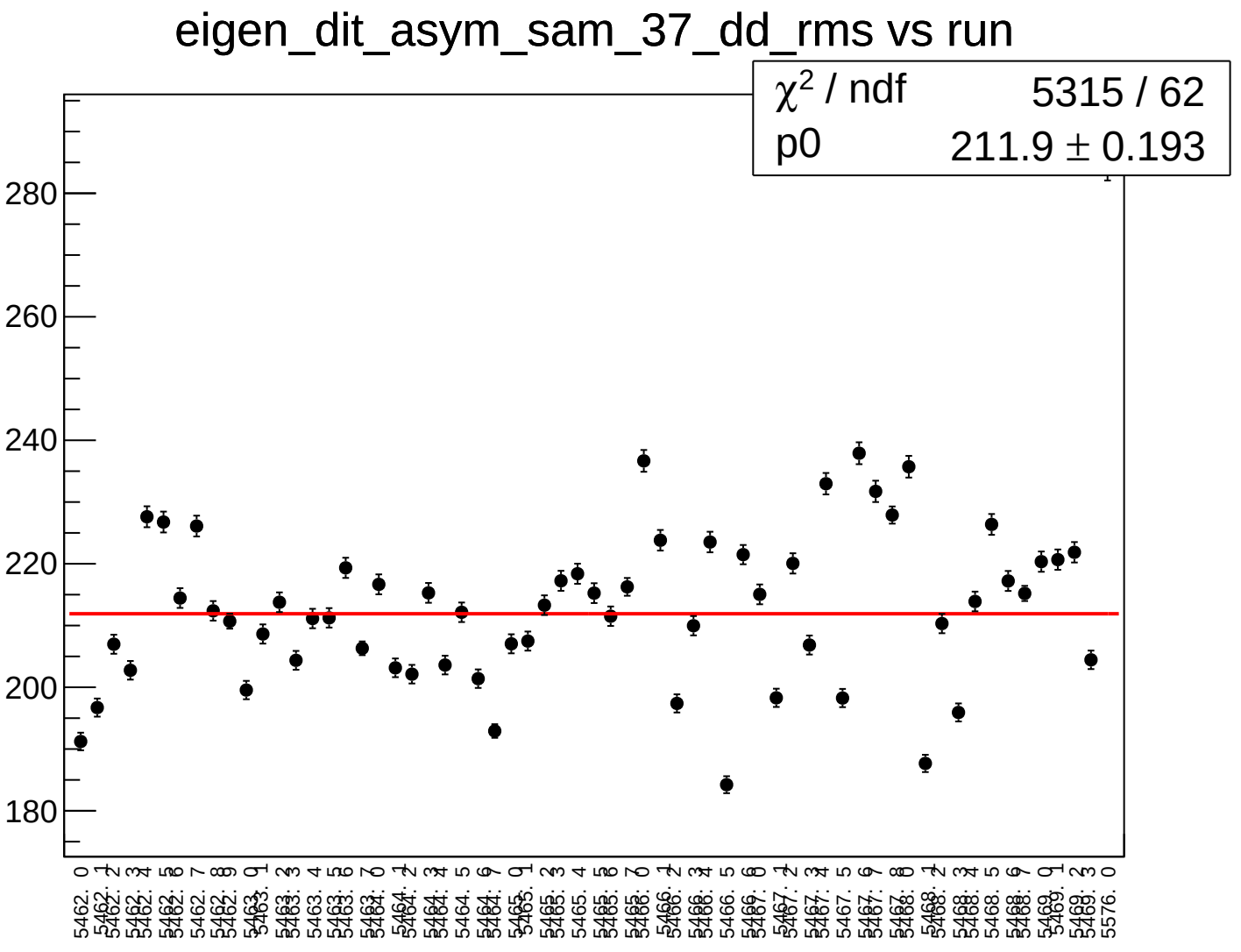

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 68.31 / 62
p0 579.6 ± 894.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 63
Mean 19.31
Std Dev 0
3
2
1
0
−1
−2

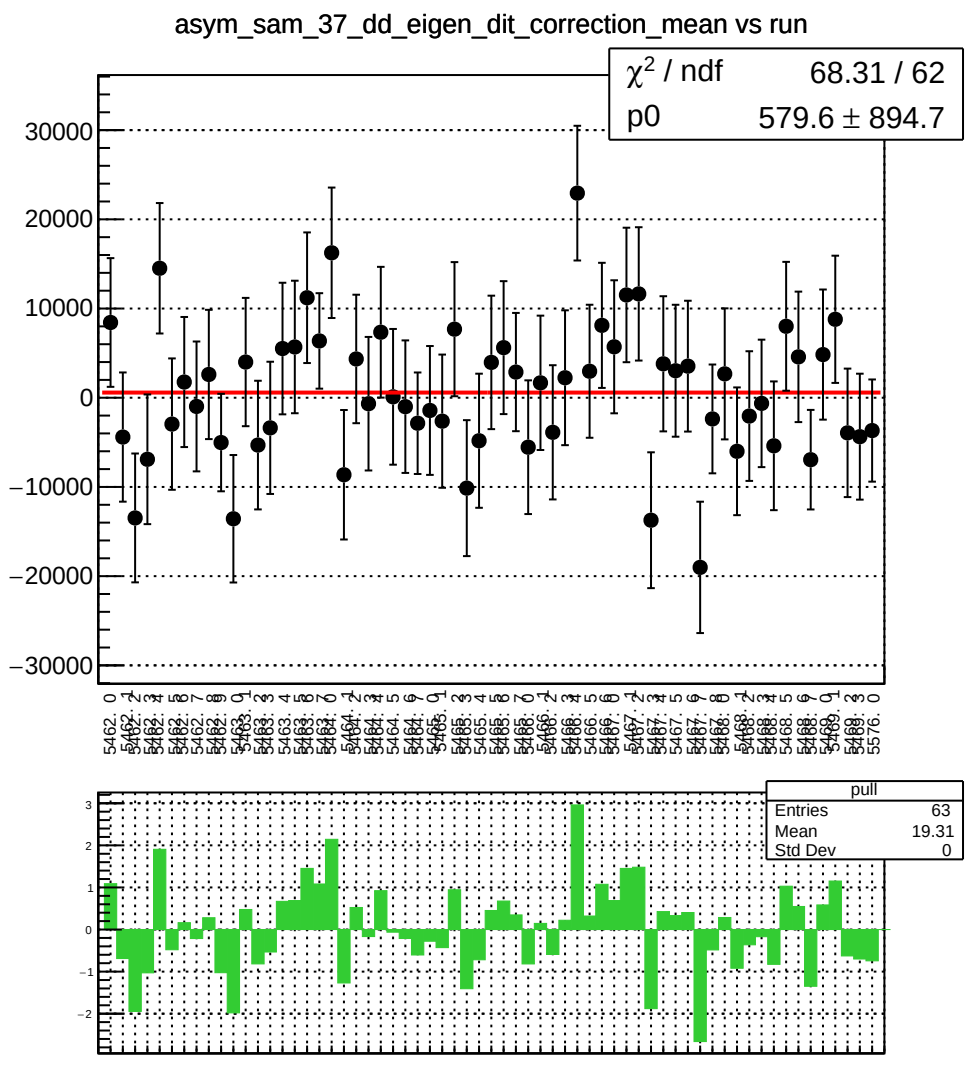

pull1D
Entries 63
Mean 0.0146
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

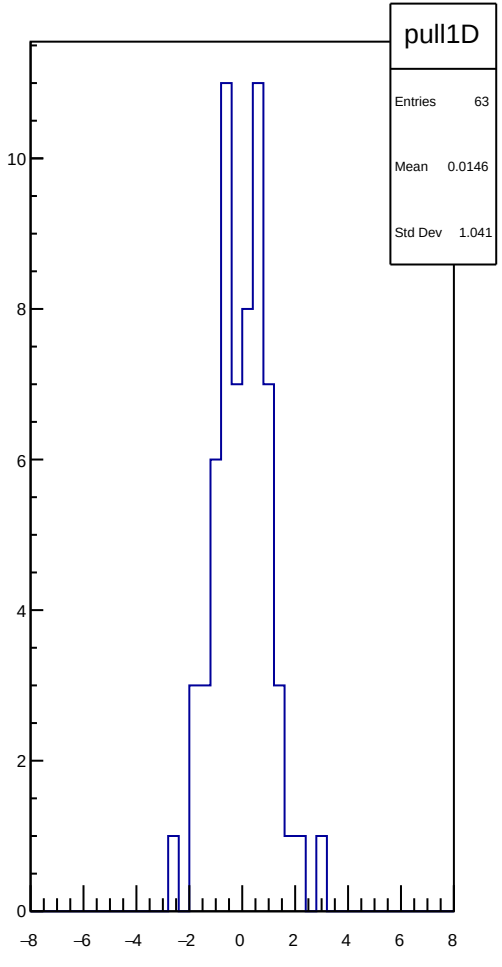

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 671.1 / 62
p0 696 ± 0.6327
720
700
680
660
640
620

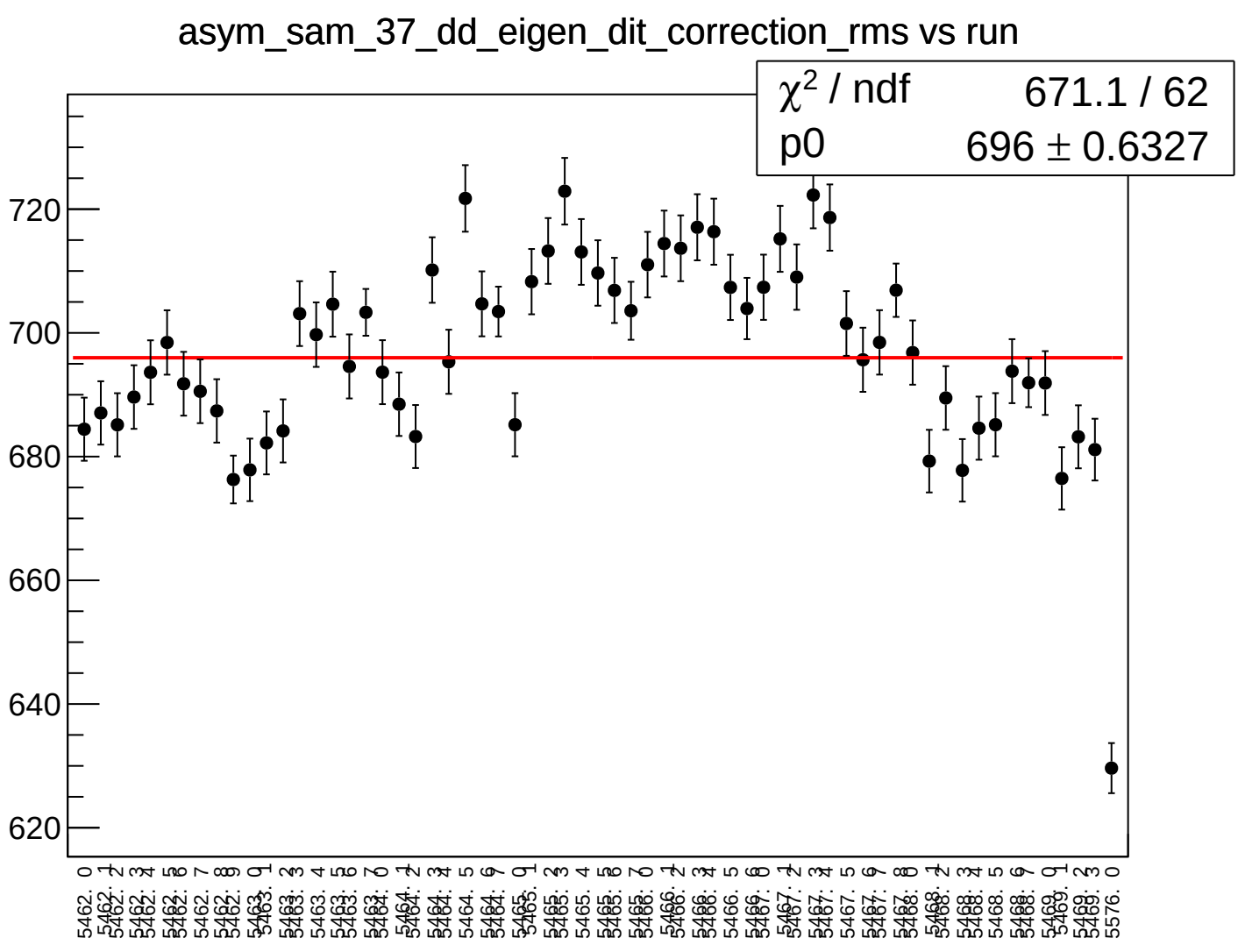

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 47.84 / 62
p0 46.39 ± 272.9
pull
Entries 63
Mean 7.515
Std Dev 49.08

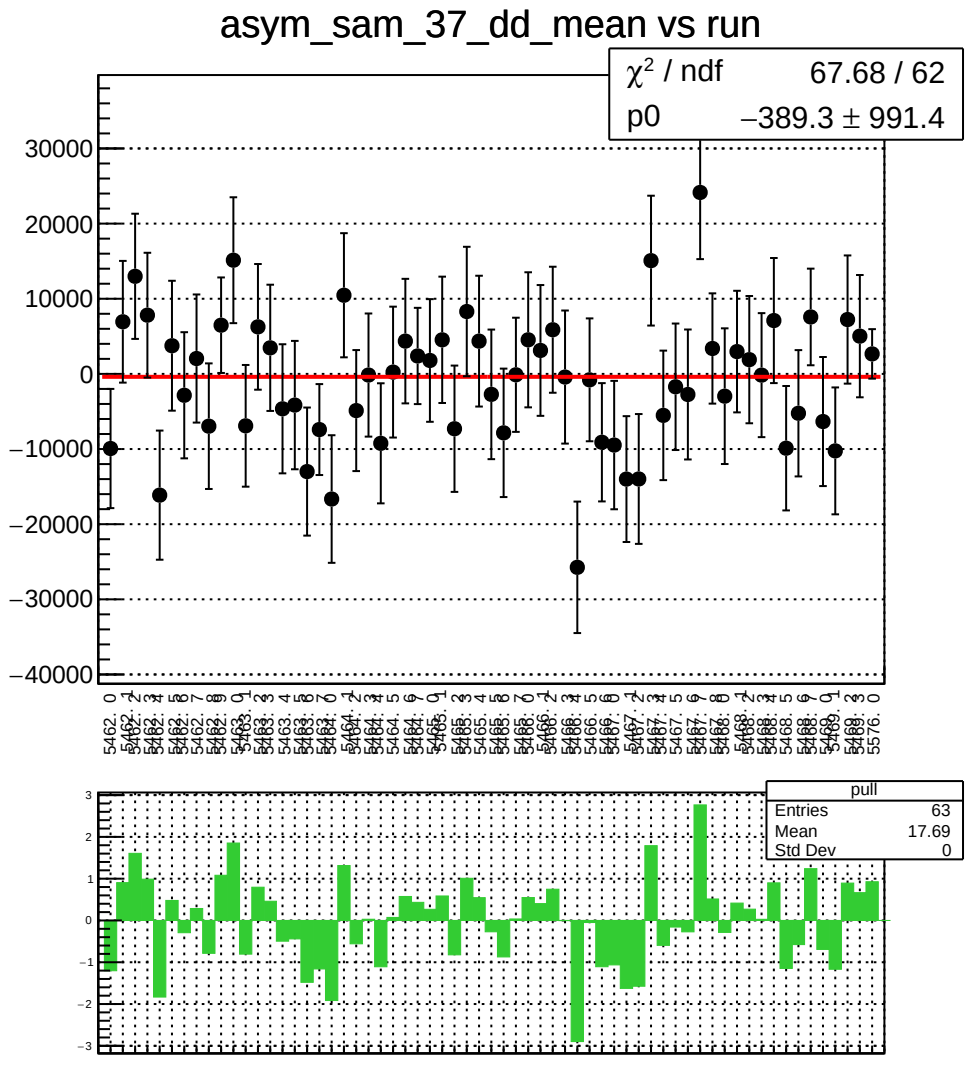

pull1D
Entries 63
Mean −0.005246
Std Dev 0.8714

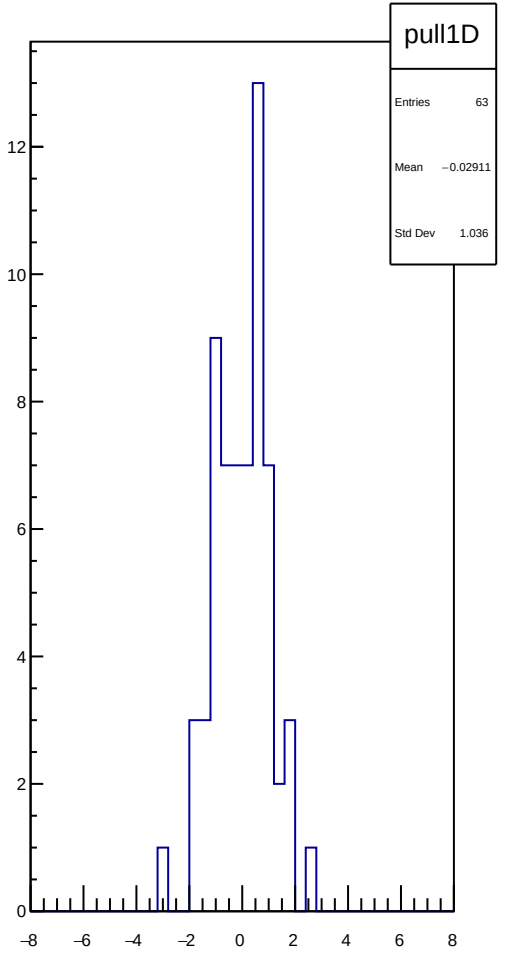

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 5315 / 62
p0 211.9 ± 0.193
280
260
240
220
200
180
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 7
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

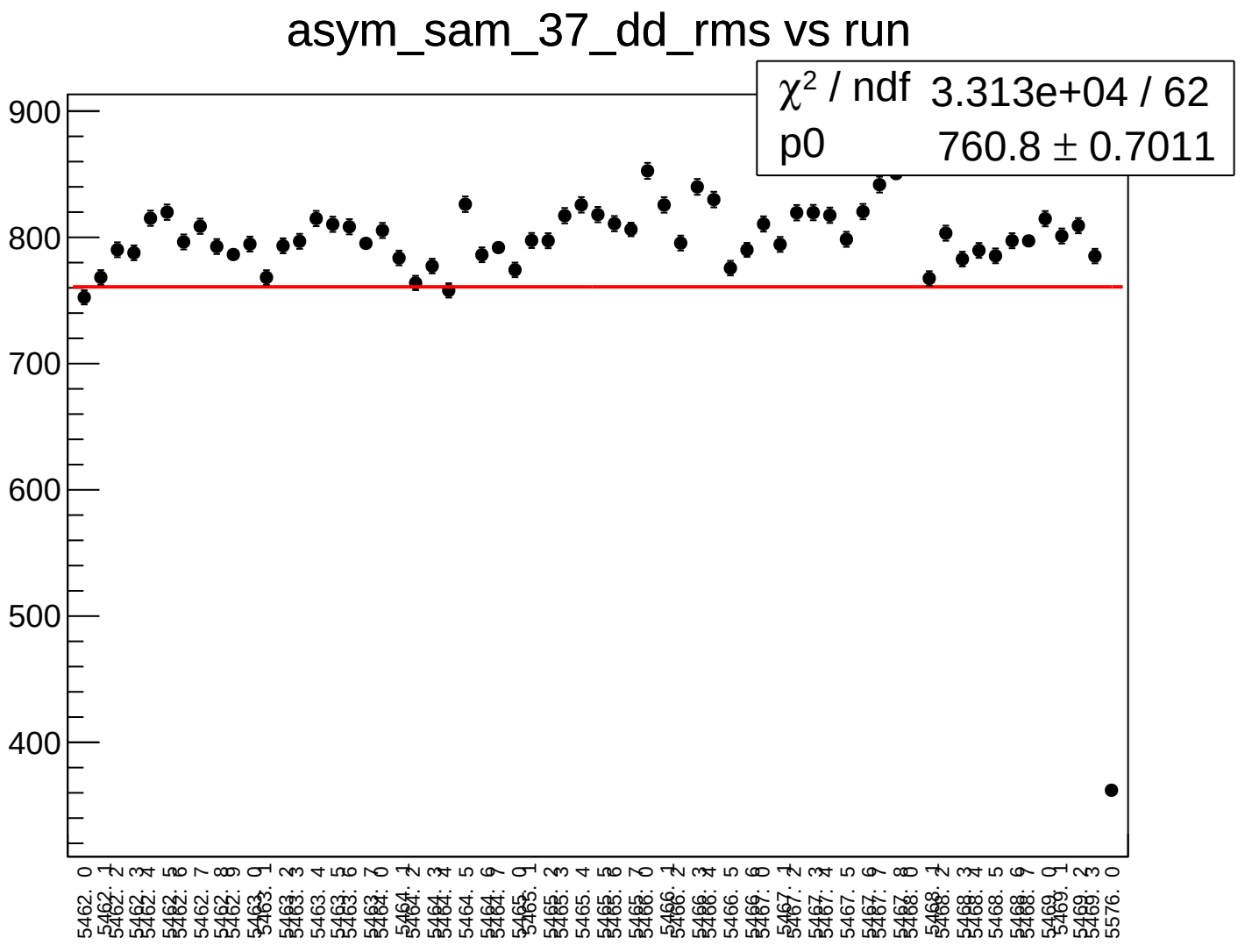

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.31 / 62
p0 579.6 ± 894.7
pull
Entries 63
Mean 19.31
Std Dev 0

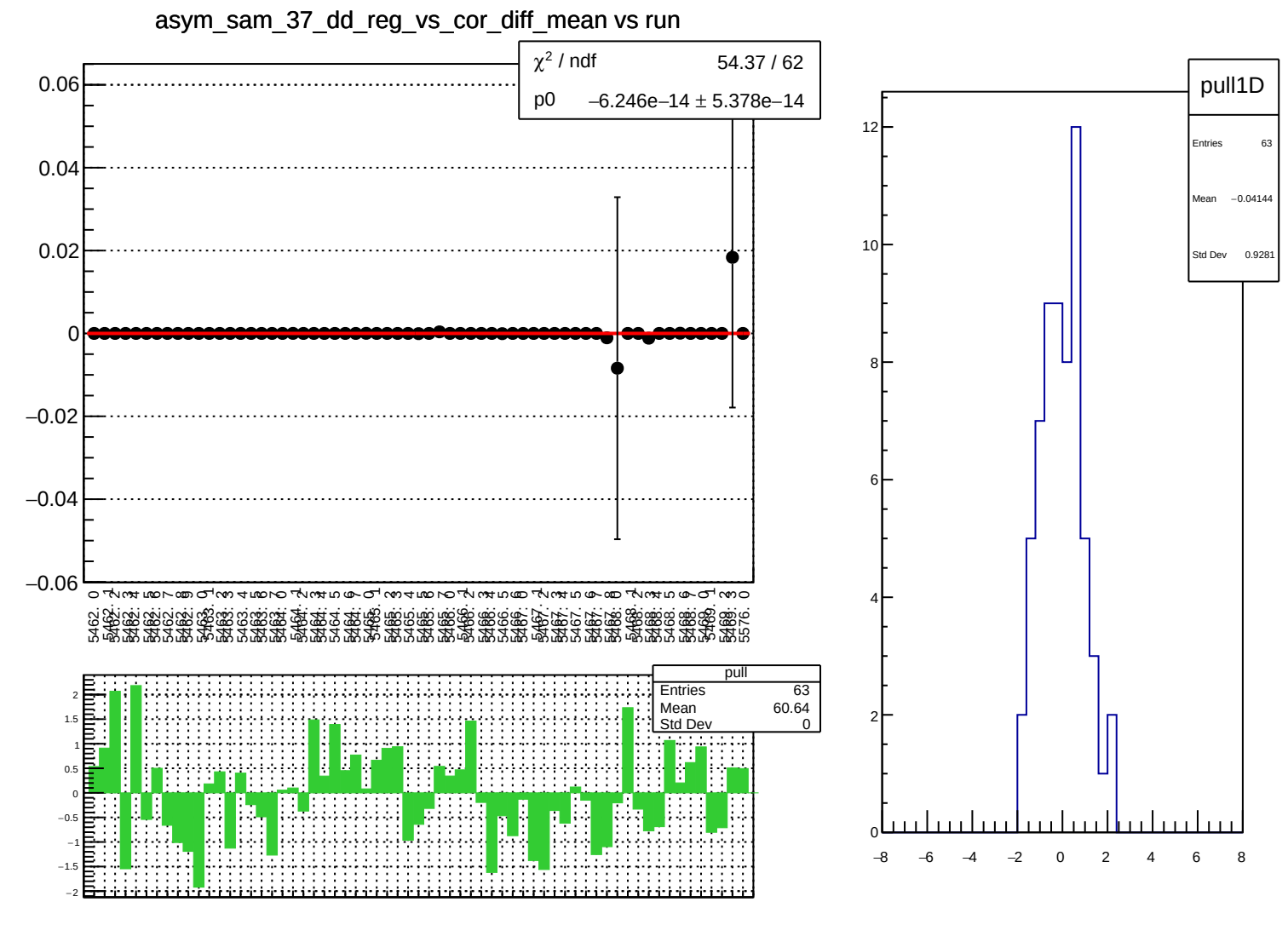

pull1D
Entries 63
Mean 0.0146
Std Dev 1.041

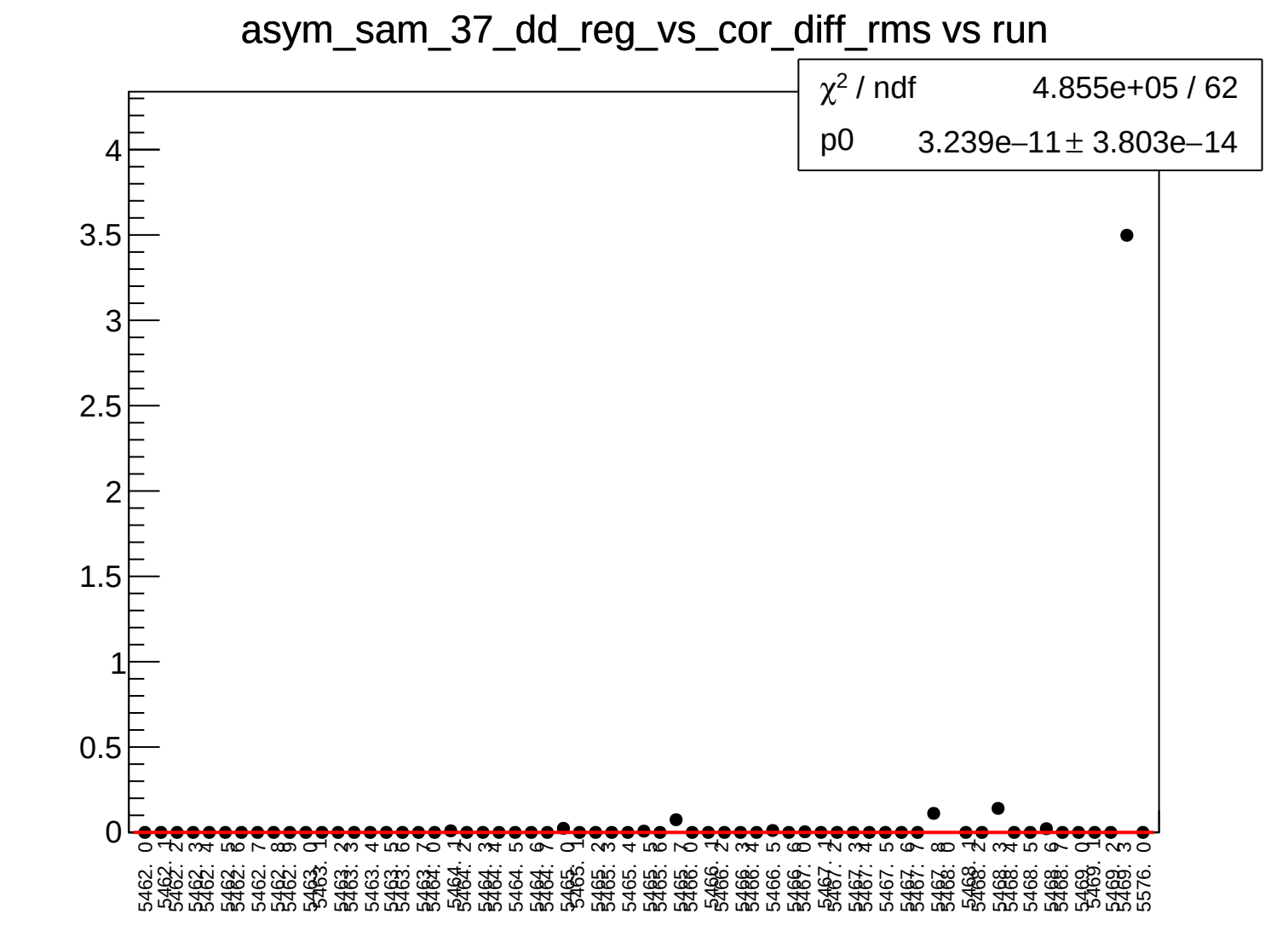

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 671.1 / 62
p0 696 ± 0.6327
720
700
680
660
640
620

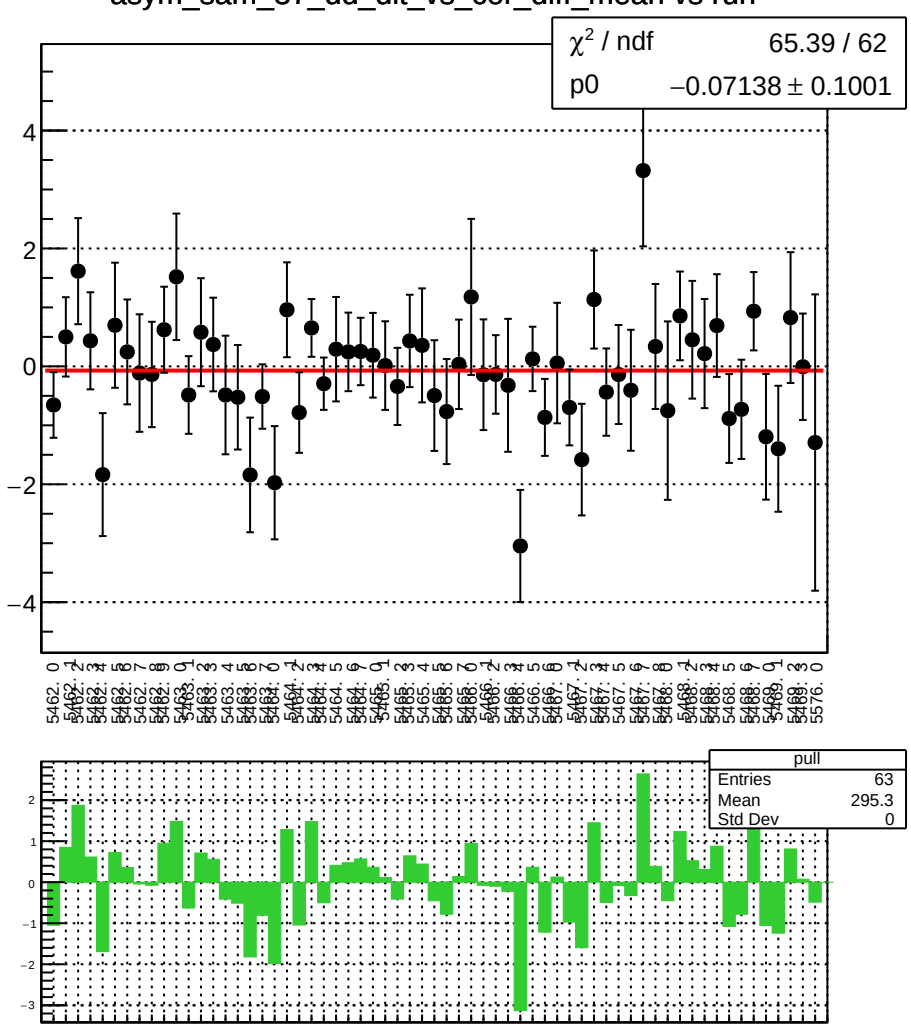

asym_sam_37_dd_mean vs run
χ² / ndf 67.68 / 62
p0 −389.3 ± 991.4
pull
Entries 63
Mean 17.69
Std Dev 0

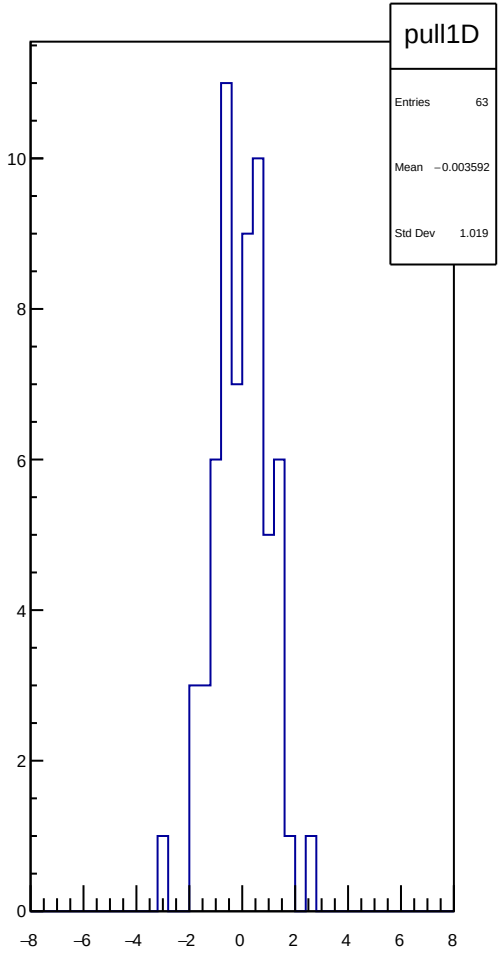

pull1D
Entries 63
Mean −0.02911
Std Dev 1.036

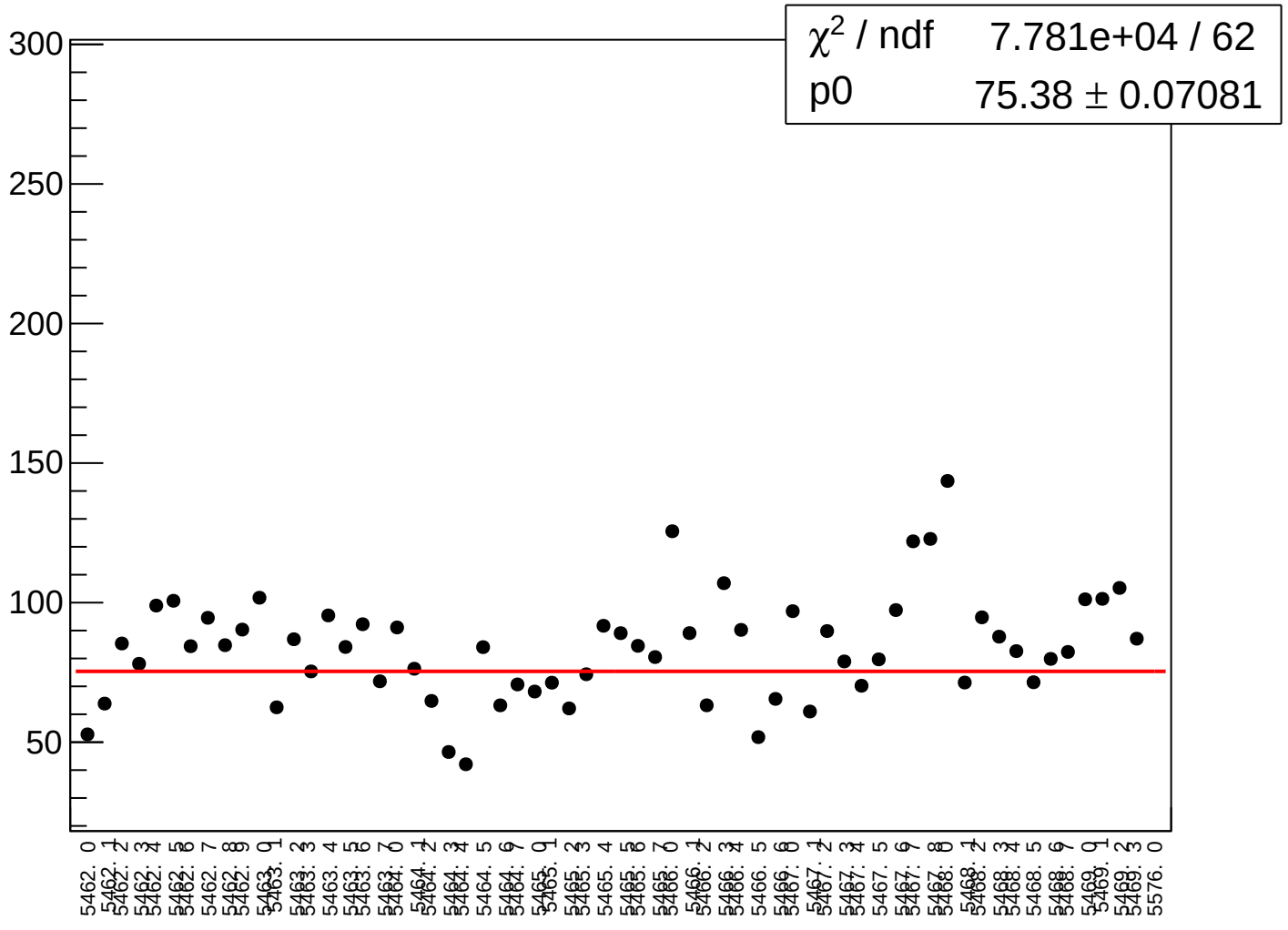

asym_sam_37_dd_rms vs run
χ² / ndf 3.313e+04 / 62
p0 760.8 ± 0.7011
900
800
700
600
500
400

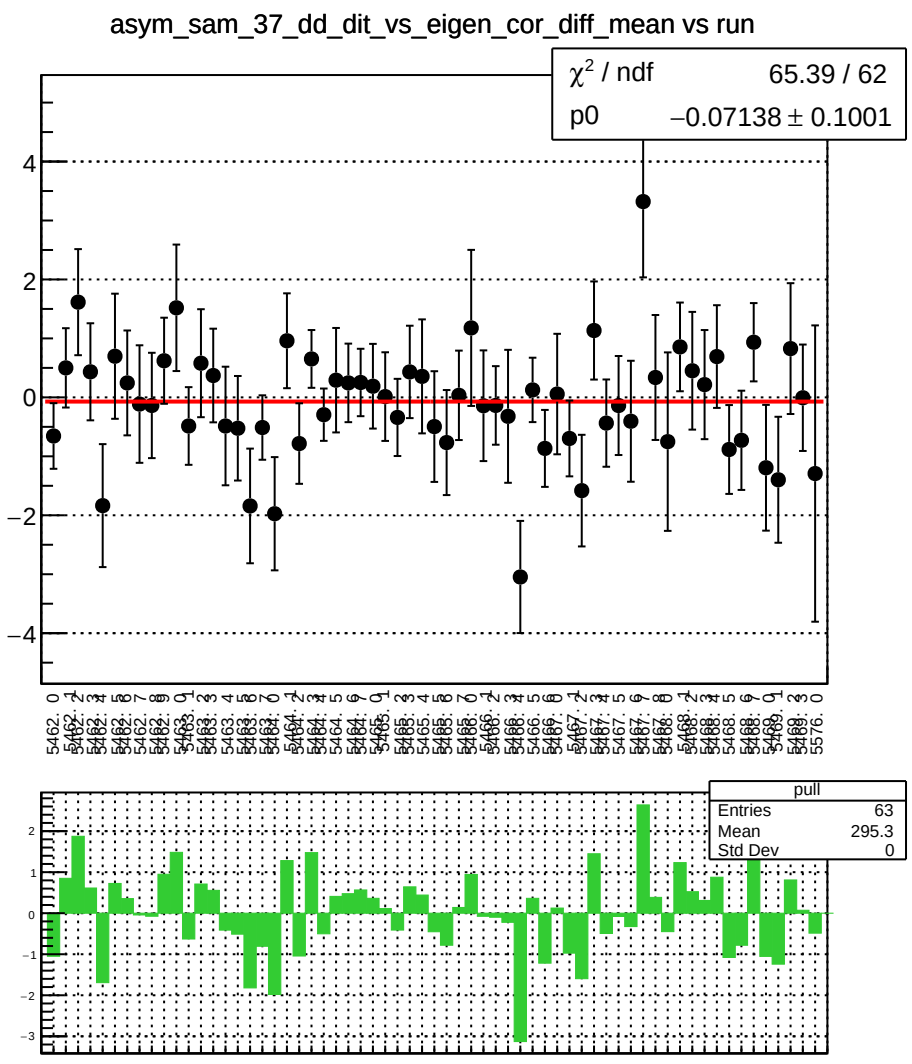

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.37 / 62
p0 −6.246e−14 ± 5.378e−14
pull
Entries 63
Mean 60.64
Std Dev 0
pull1D
Entries 63
Mean −0.04144
Std Dev 0.9281

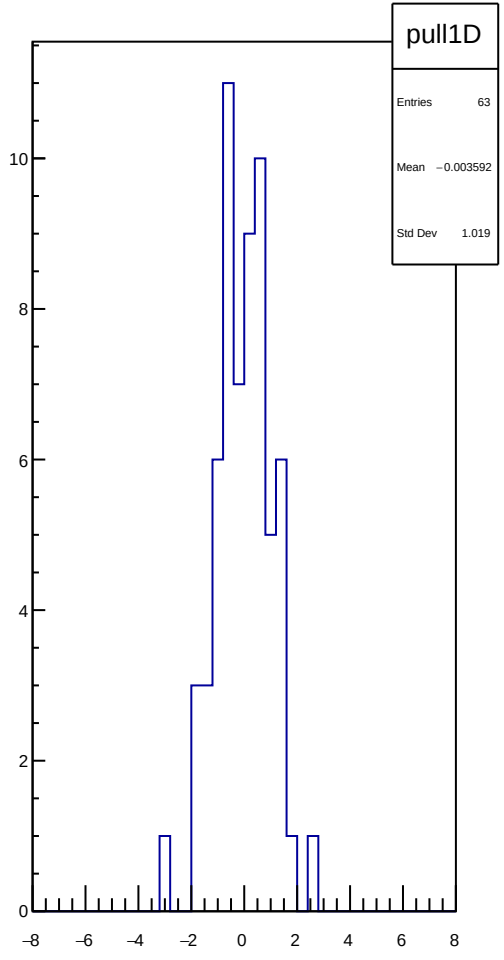

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.855e+05 / 62
p0 3.239e−11 ± 3.803e−14
4
3.5
3
2.5
2
1.5
1
0.5
0

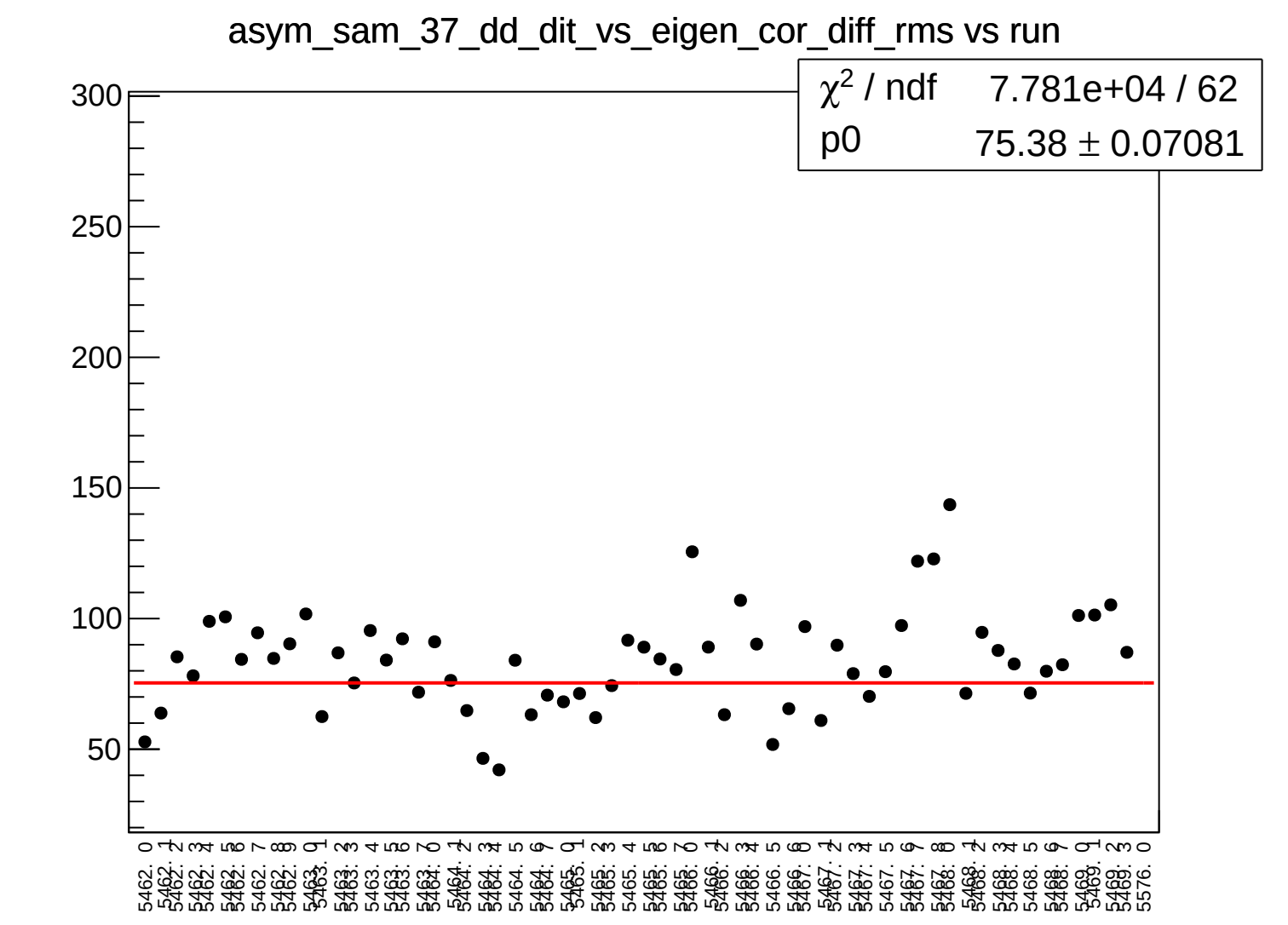

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.39 / 62
p0 −0.07138 ± 0.1001
pull
Entries 63
Mean 295.3
Std Dev 0

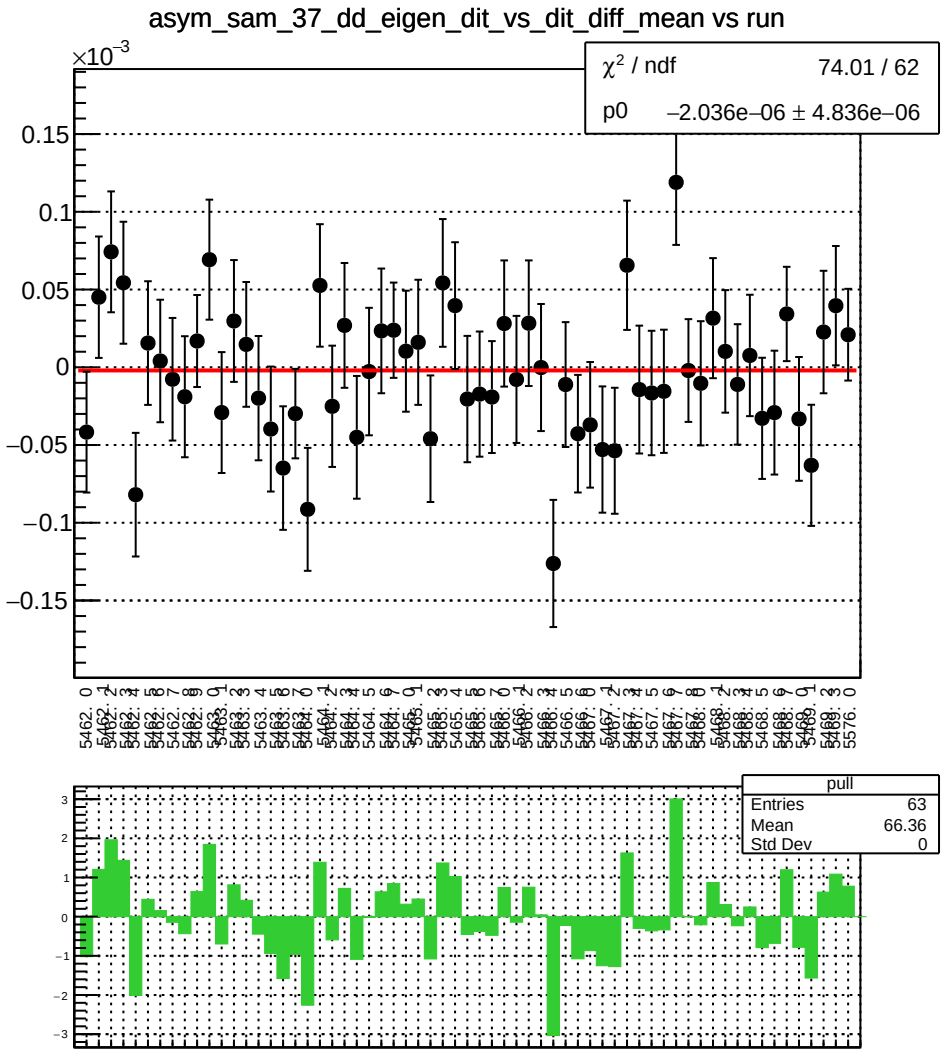

pull1D
Entries 63
Mean −0.003592
Std Dev 1.019

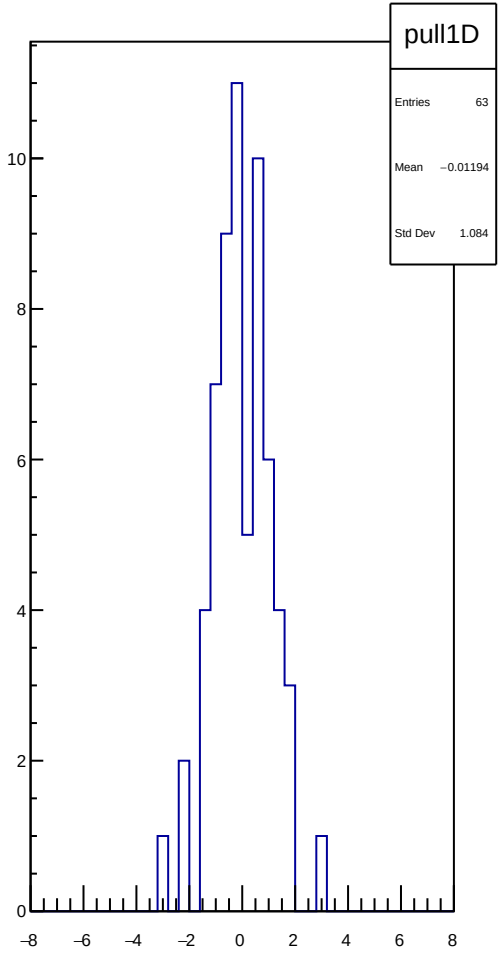

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.781e+04 / 62
p0 75.38 ± 0.07081
300
250
200
150
100
50

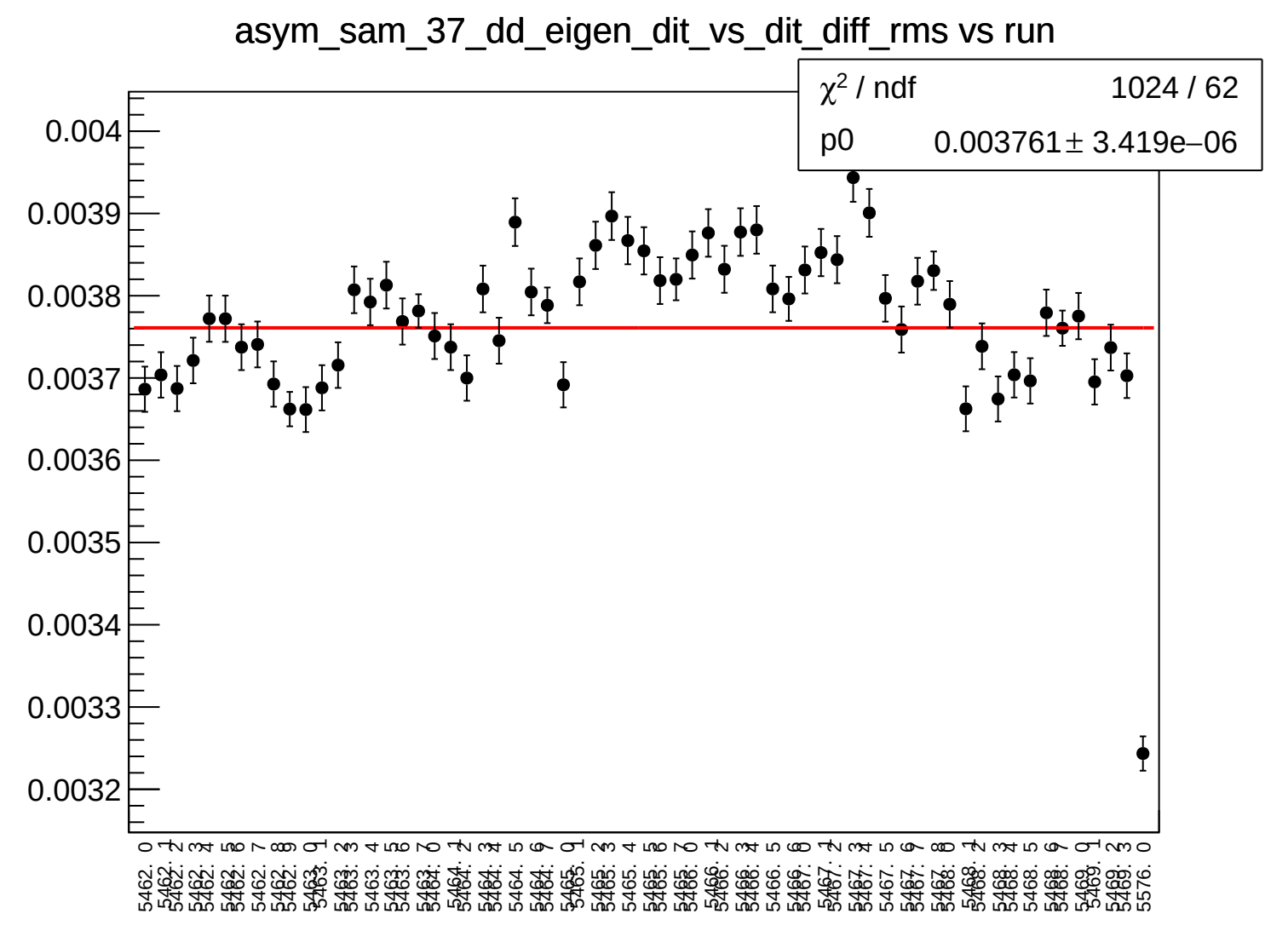

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.39 / 62
p0 −0.07138 ± 0.1001
pull
Entries 63
Mean 295.3
Std Dev 0

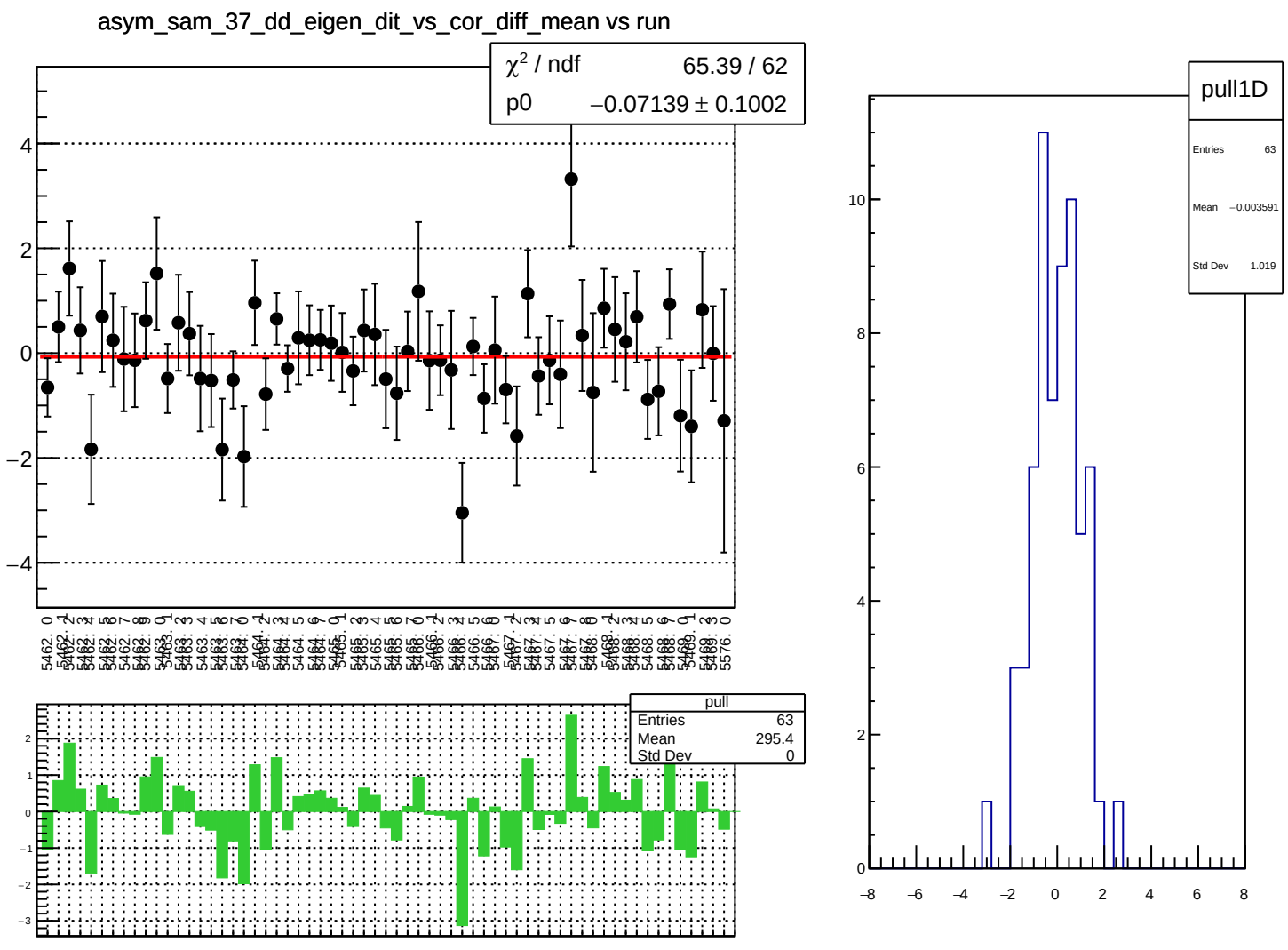

pull1D
Entries 63
Mean −0.003592
Std Dev 1.019

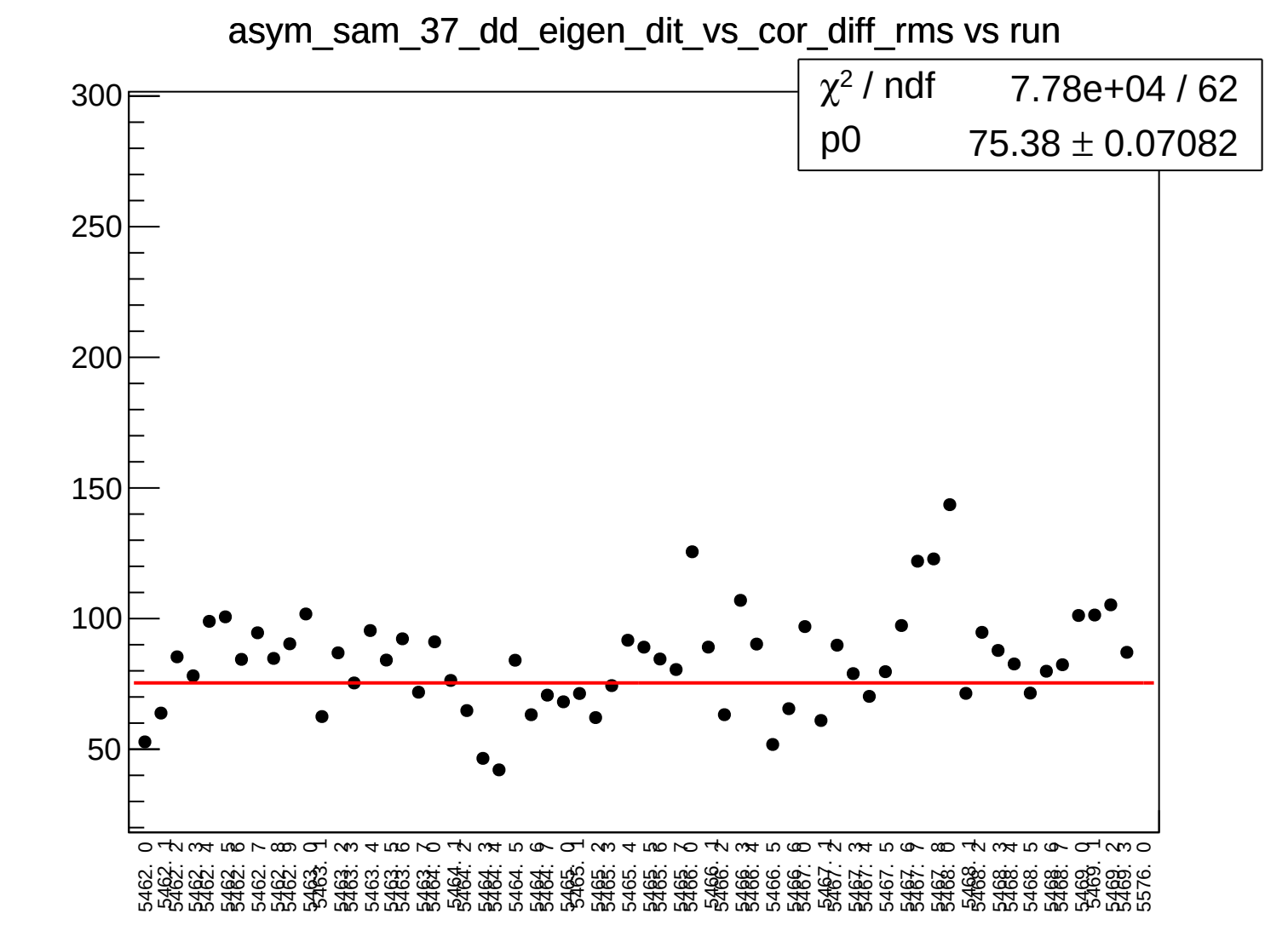

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.781e+04 / 62
p0 75.38 ± 0.07081
300
250
200
150
100
50

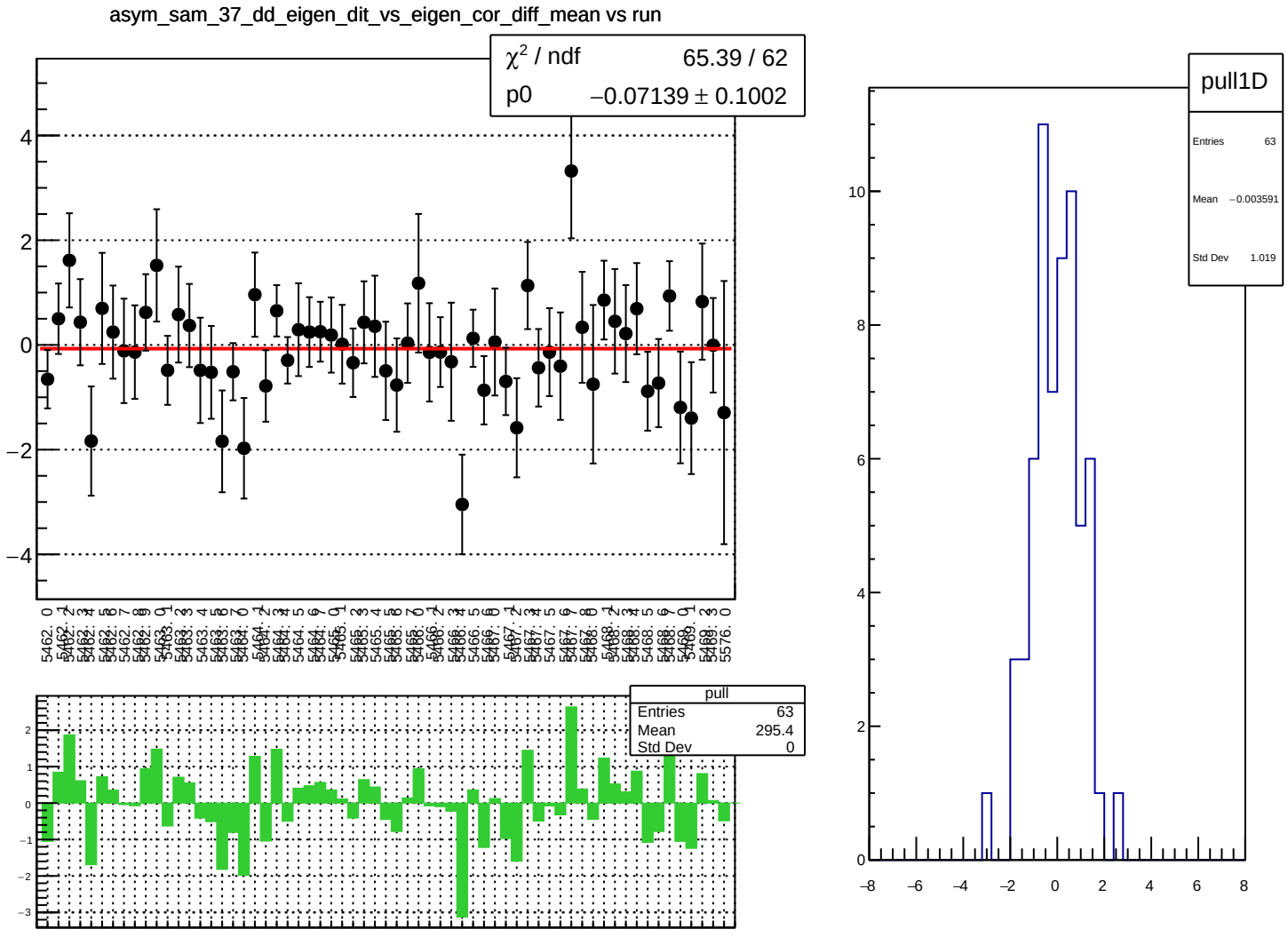

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.01 / 62
p0 −2.036e−06 ± 4.836e−06
pull
Entries 63
Mean 66.36
Std Dev 0

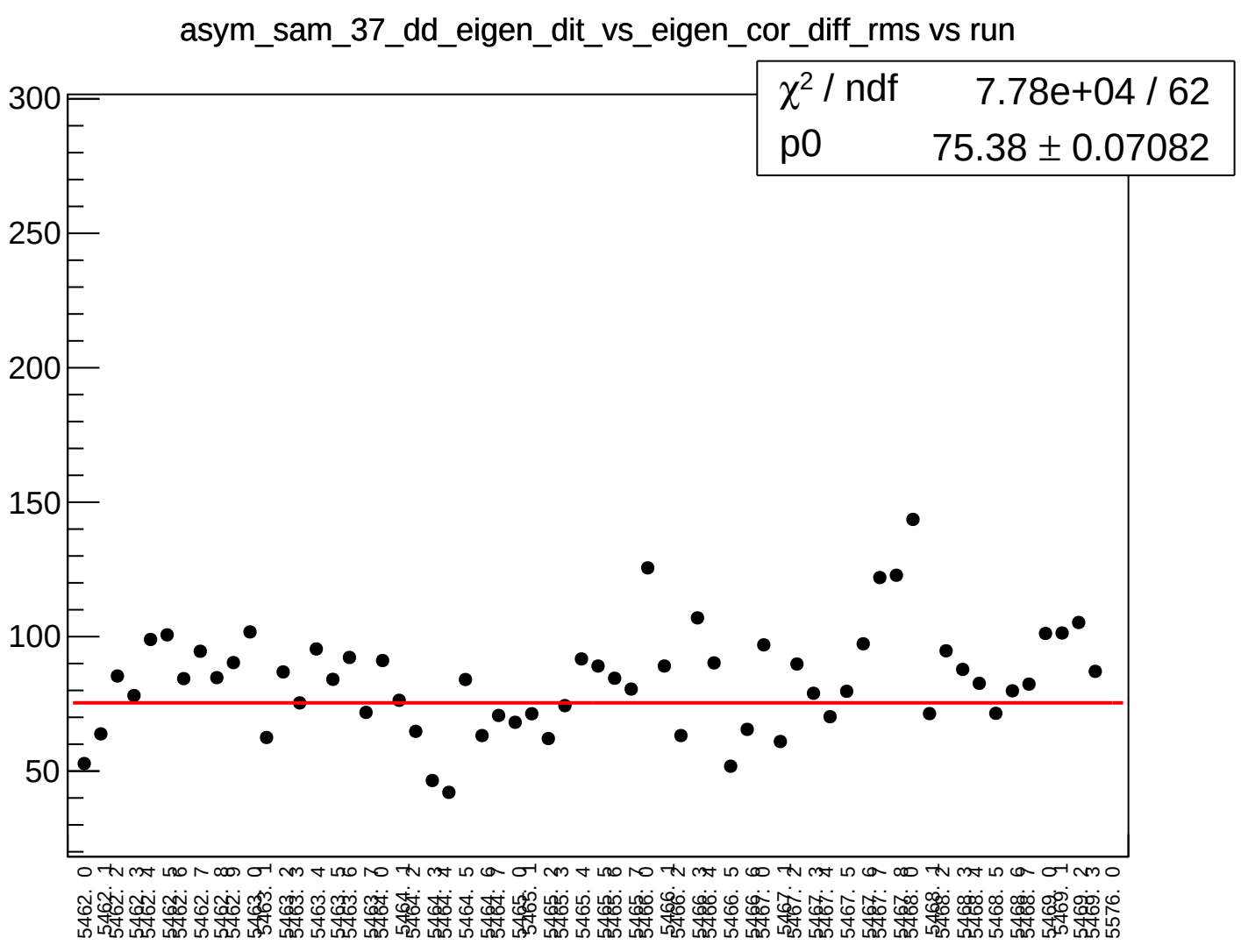

pull1D
Entries 63
Mean −0.01194
Std Dev 1.084

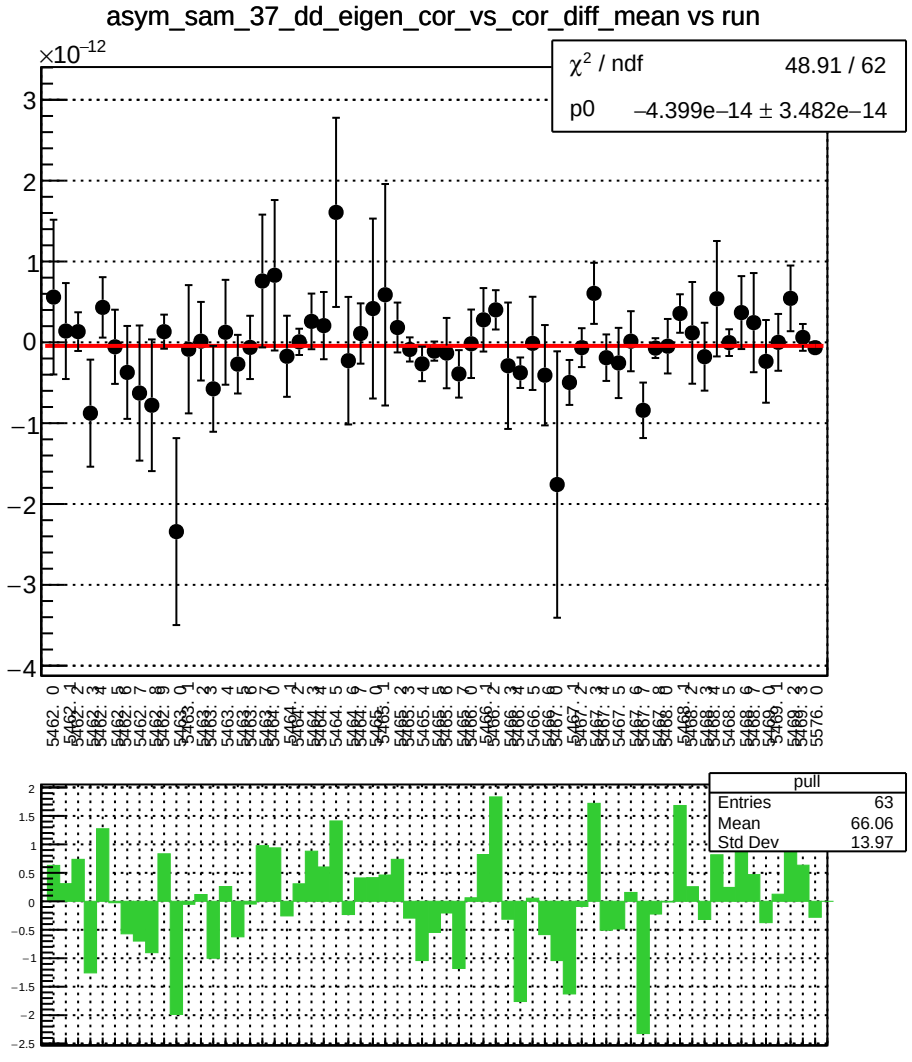

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1024 / 62
p0 0.003761 ± 3.419e−06
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

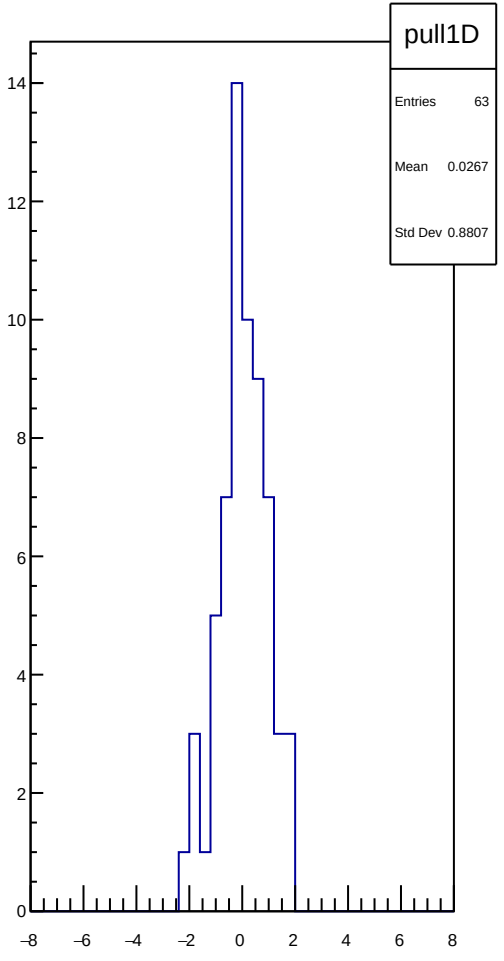

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.39 / 62
p0 −0.07139 ± 0.1002
pull
Entries 63
Mean 295.4
Std Dev 0
pull1D
Entries 63
Mean −0.003591
Std Dev 1.019

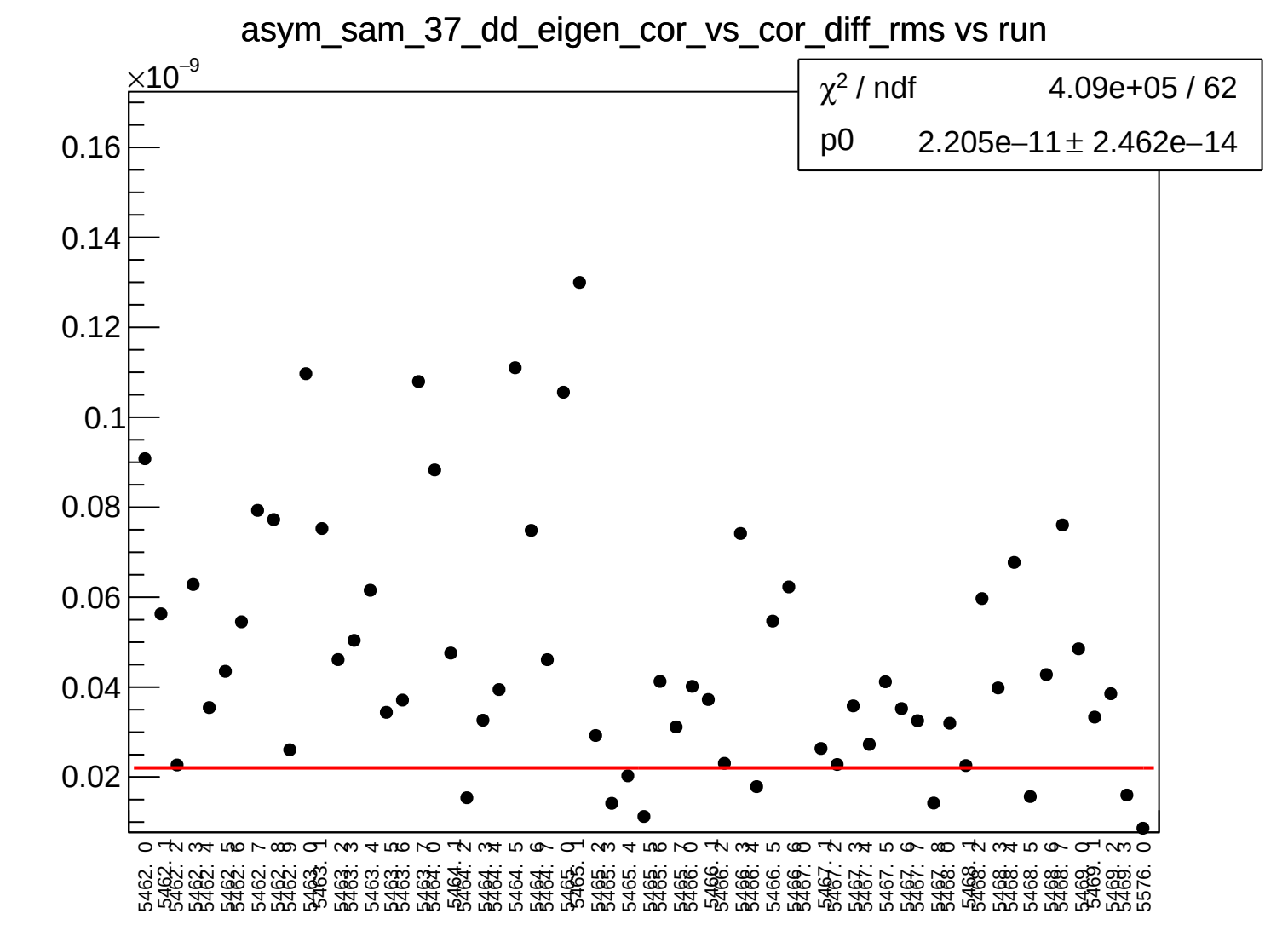

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.78e+04 / 62
p0 75.38 ± 0.07082
300
250
200
150
100
50

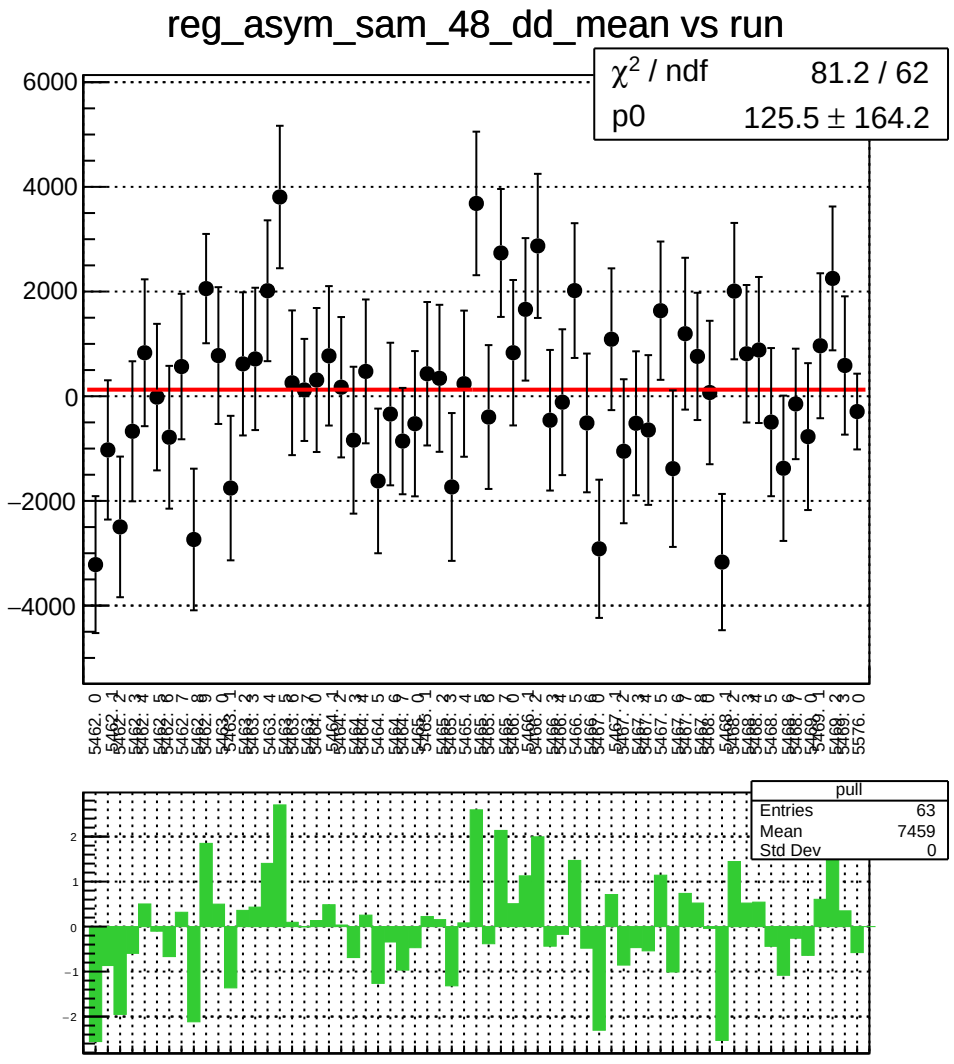

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.39 / 62
p0 −0.07139 ± 0.1002
pull
Entries 63
Mean 295.4
Std Dev 0
pull1D
Entries 63
Mean −0.003591
Std Dev 1.019

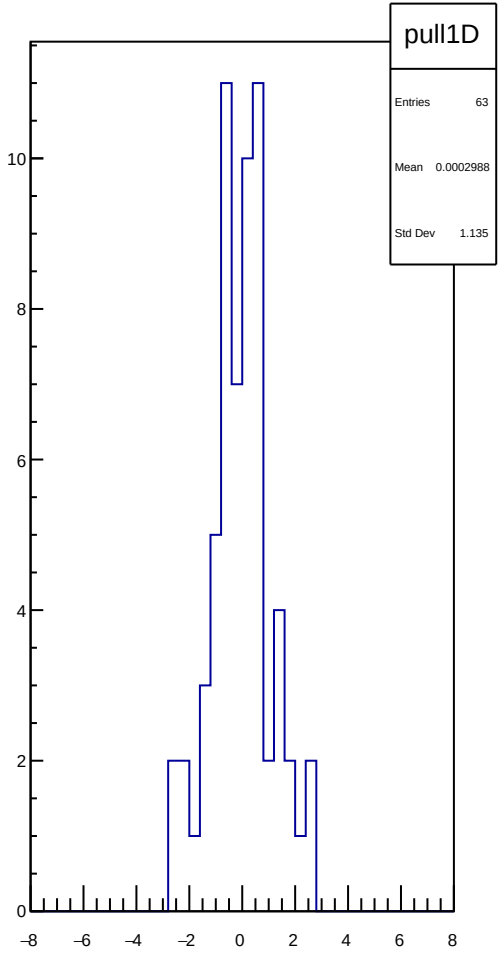

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.78e+04 / 62
p0 75.38 ± 0.07082
300
250
200
150
100
50

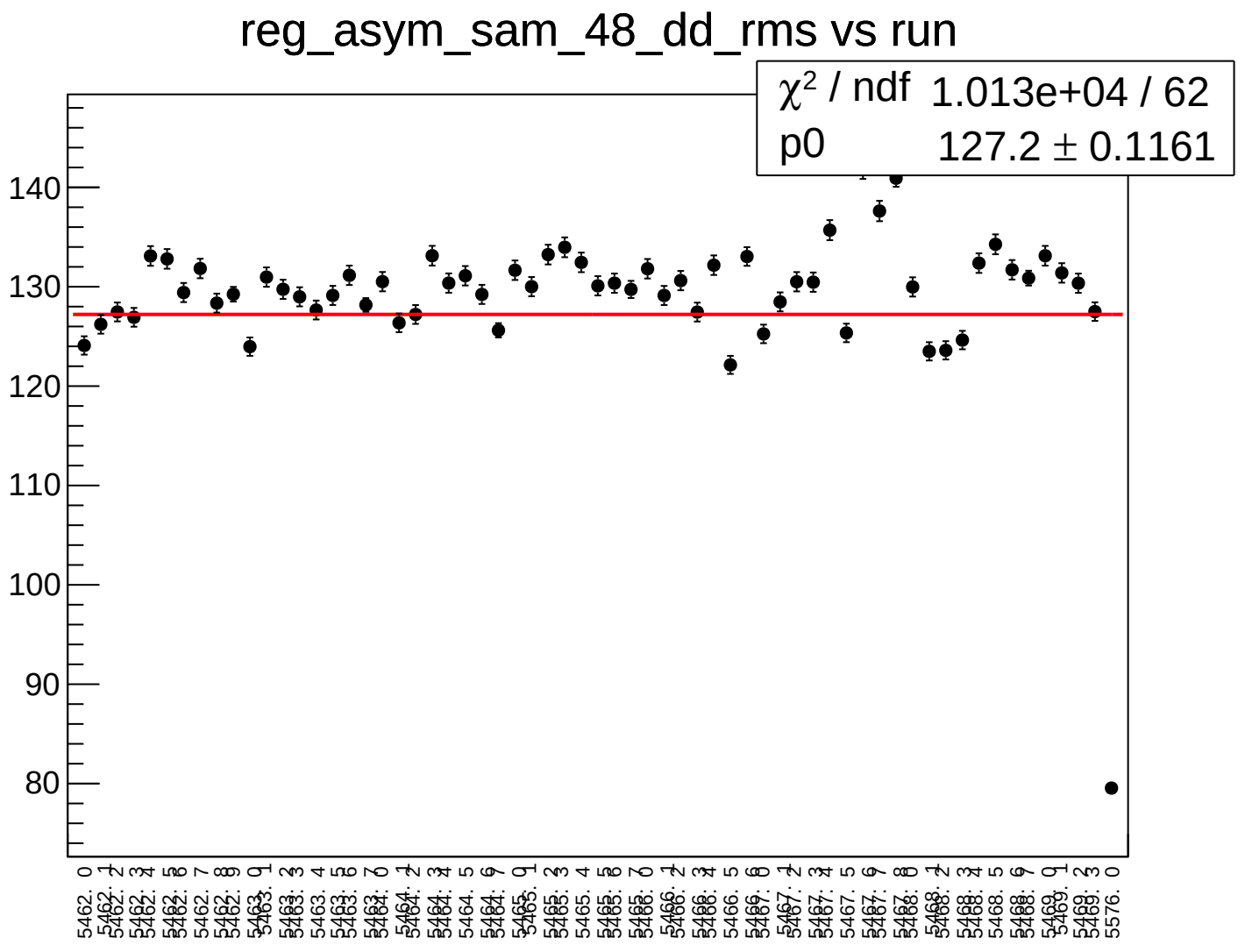

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.91 / 62
p0 −4.399e−14 ± 3.482e−14
pull
Entries 63
Mean 66.06
Std Dev 13.97

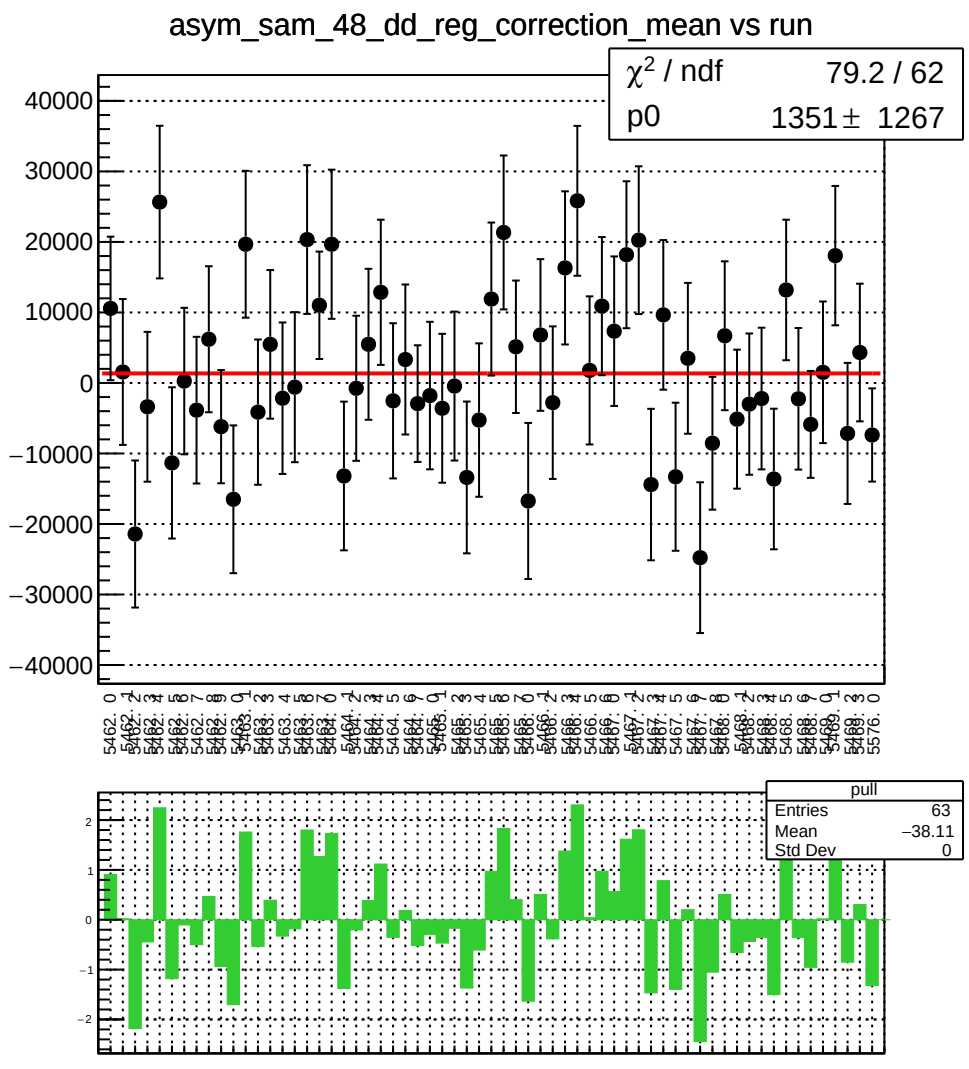

pull1D
Entries 63
Mean 0.0267
Std Dev 0.8807

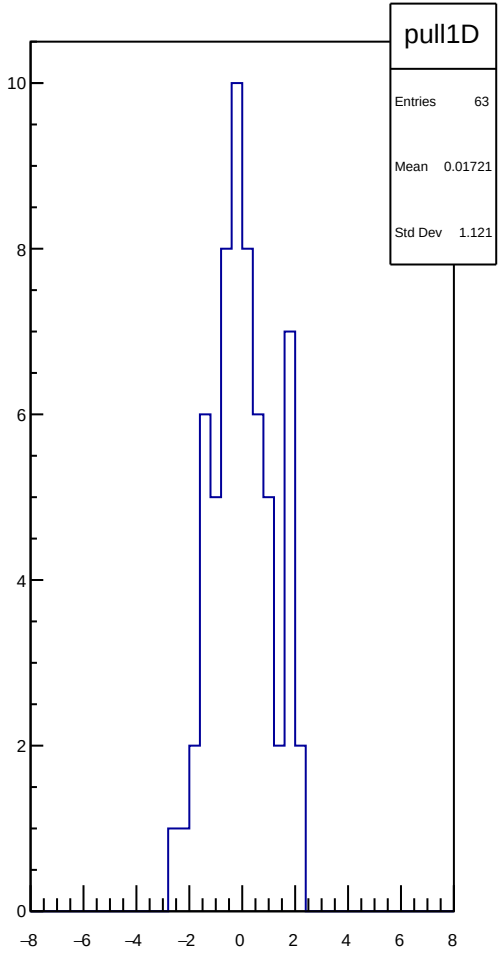

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.09e+05 / 62
p0 2.205e−11 ± 2.462e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

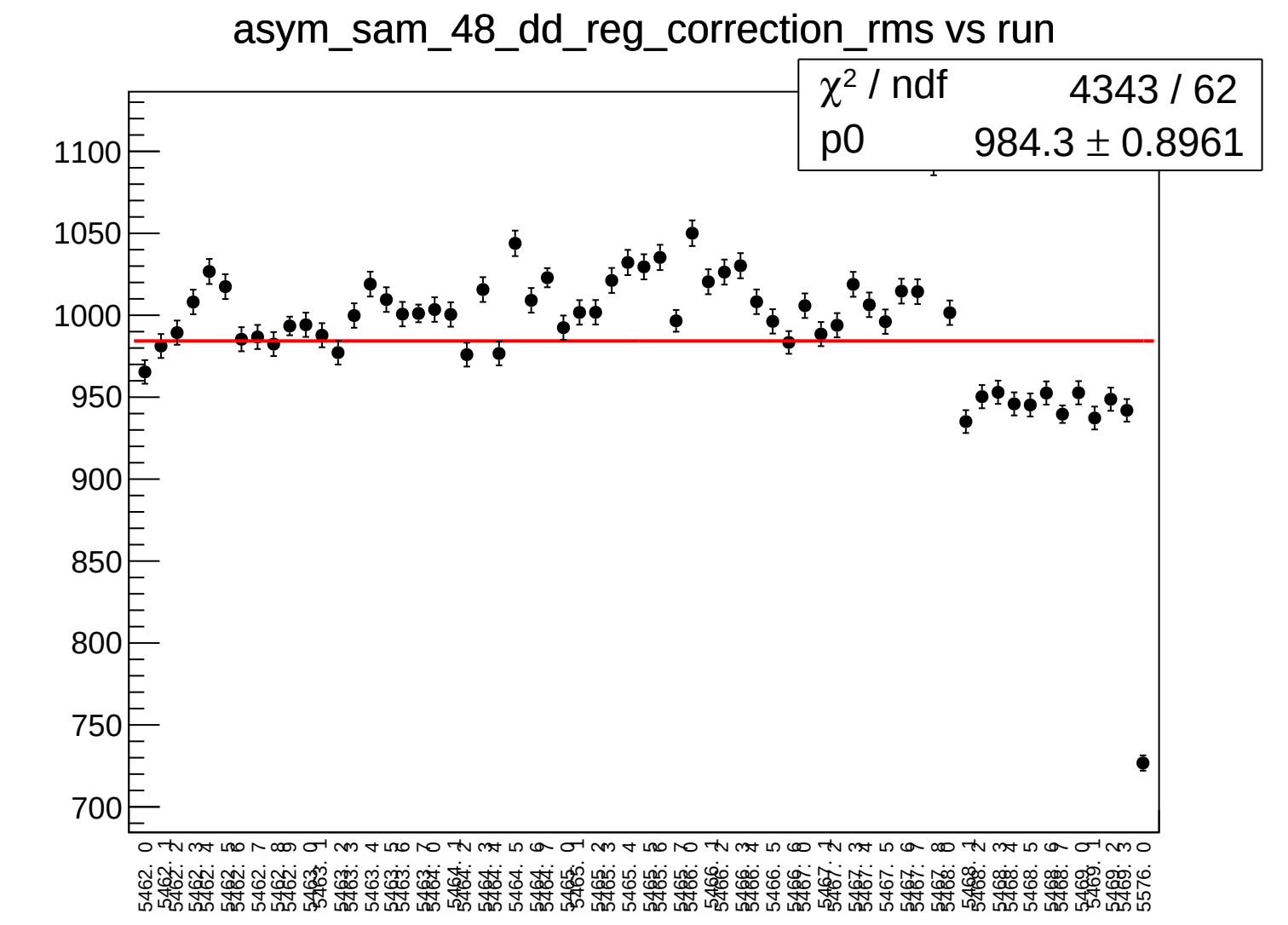

reg_asym_sam_48_dd_mean vs run
χ² / ndf 81.2 / 62
p0 125.5 ± 164.2
pull
Entries 63
Mean 7459
Std Dev 0


pull1D
Entries 63
Mean 0.0002988
Std Dev 1.135


reg_asym_sam_48_dd_rms vs run
χ² / ndf 1.013e+04 / 62
p0 127.2 ± 0.1161
140
130
120
110
100
90
80
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 79.2 / 62
p0 1351 ± 1267
pull
Entries 63
Mean −38.11
Std Dev 0


pull1D
Entries 63
Mean 0.01721
Std Dev 1.121


asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 4343 / 62
p0 984.3 ± 0.8961
1100
1050
1000
950
900
850
800
750
700
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
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5465. 6
5465. 7
5466. 1
5466. 2
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5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
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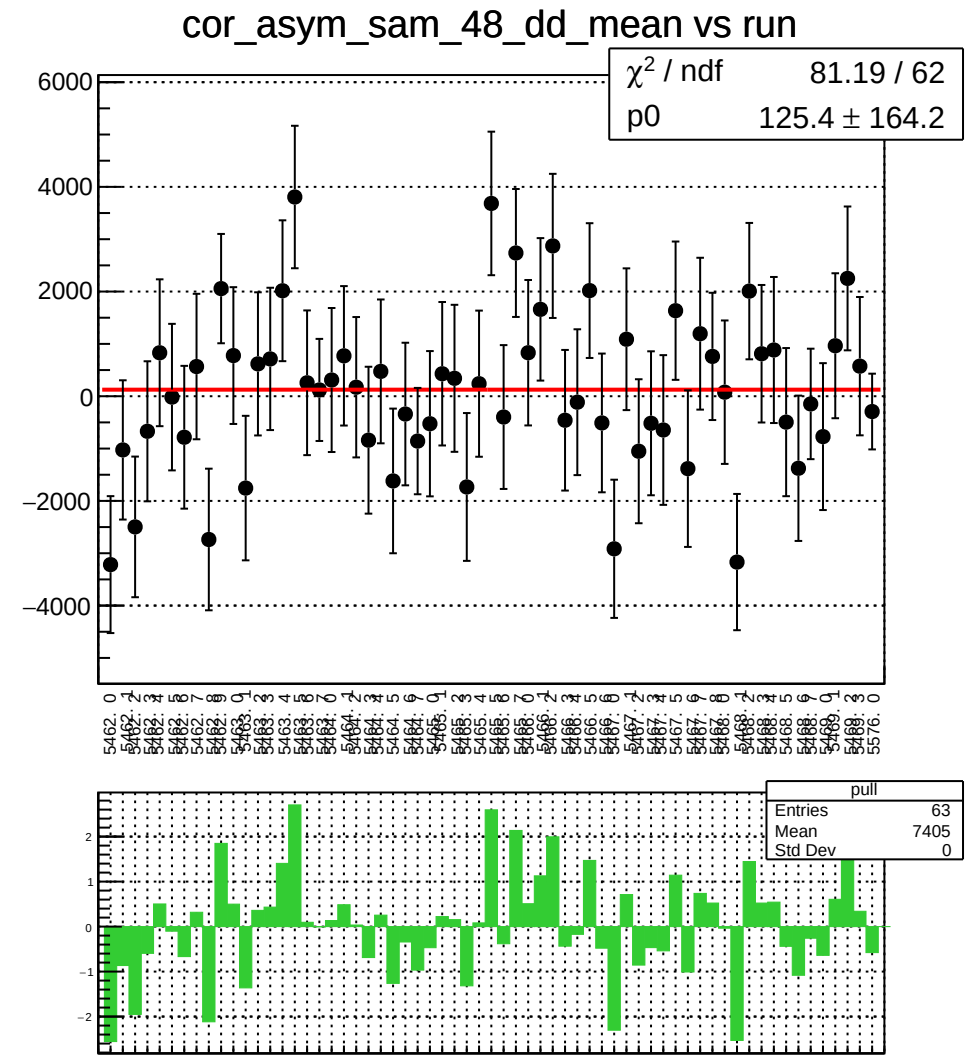
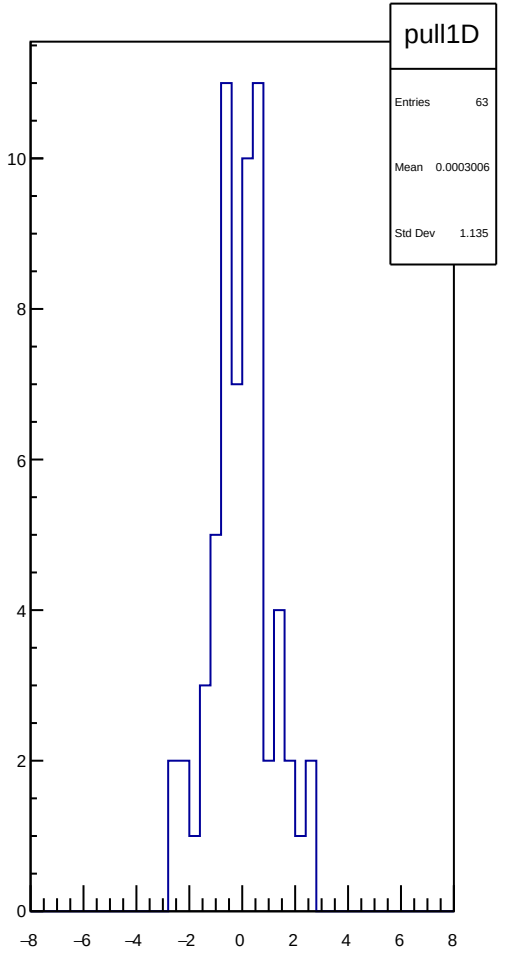
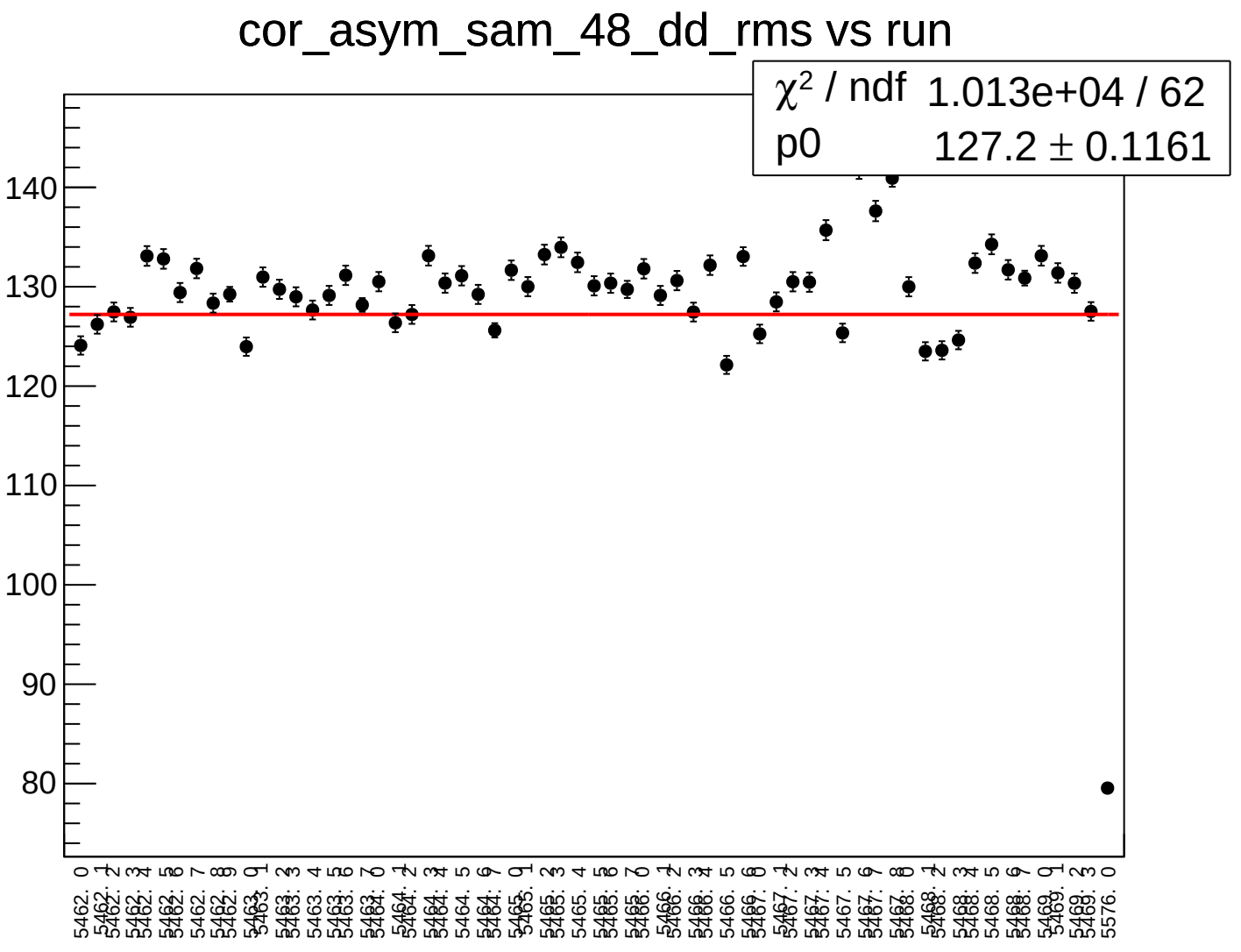
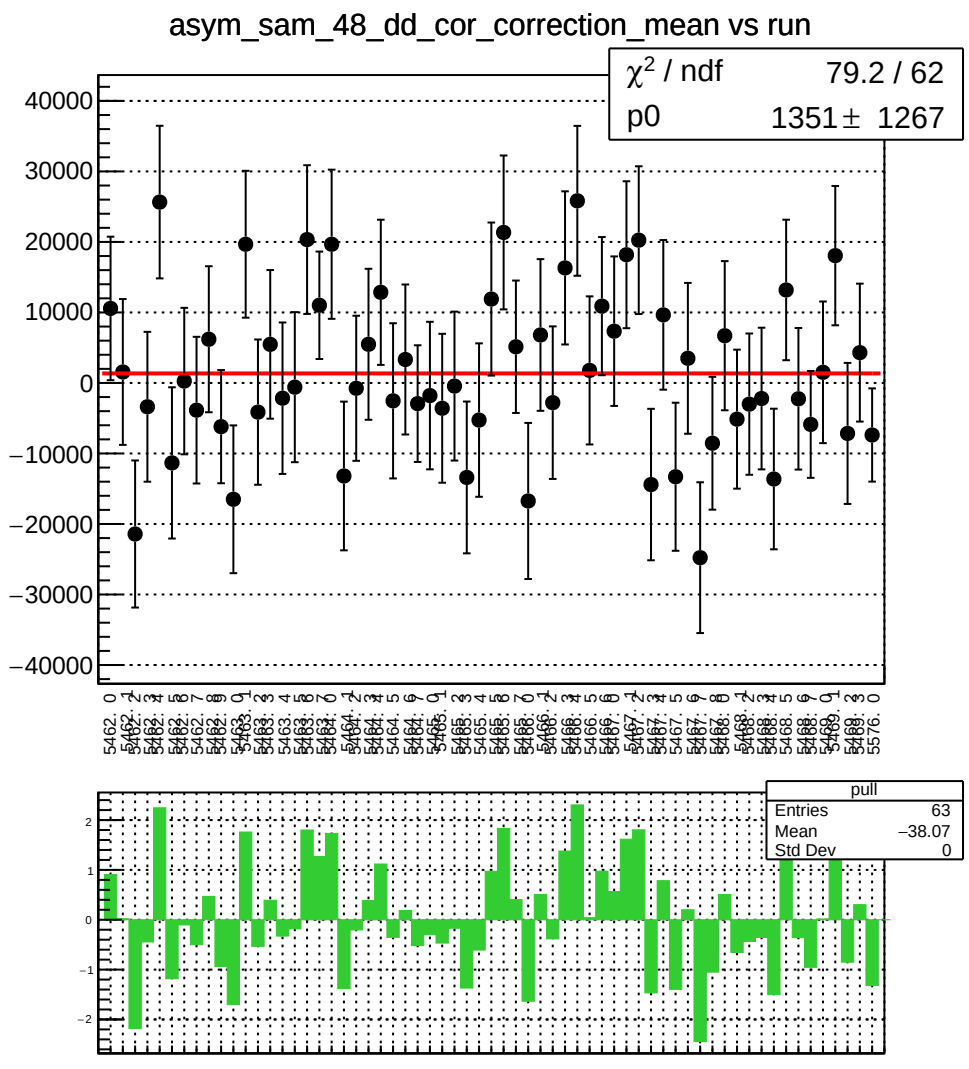
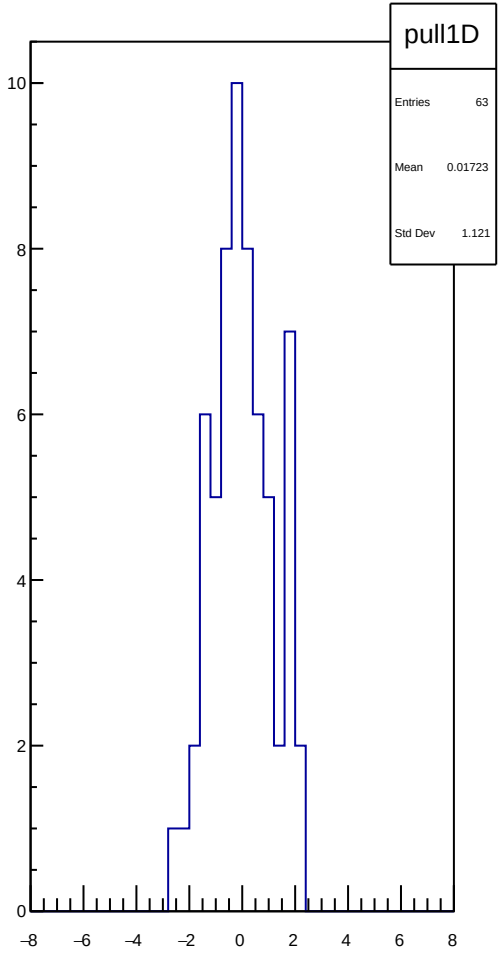
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

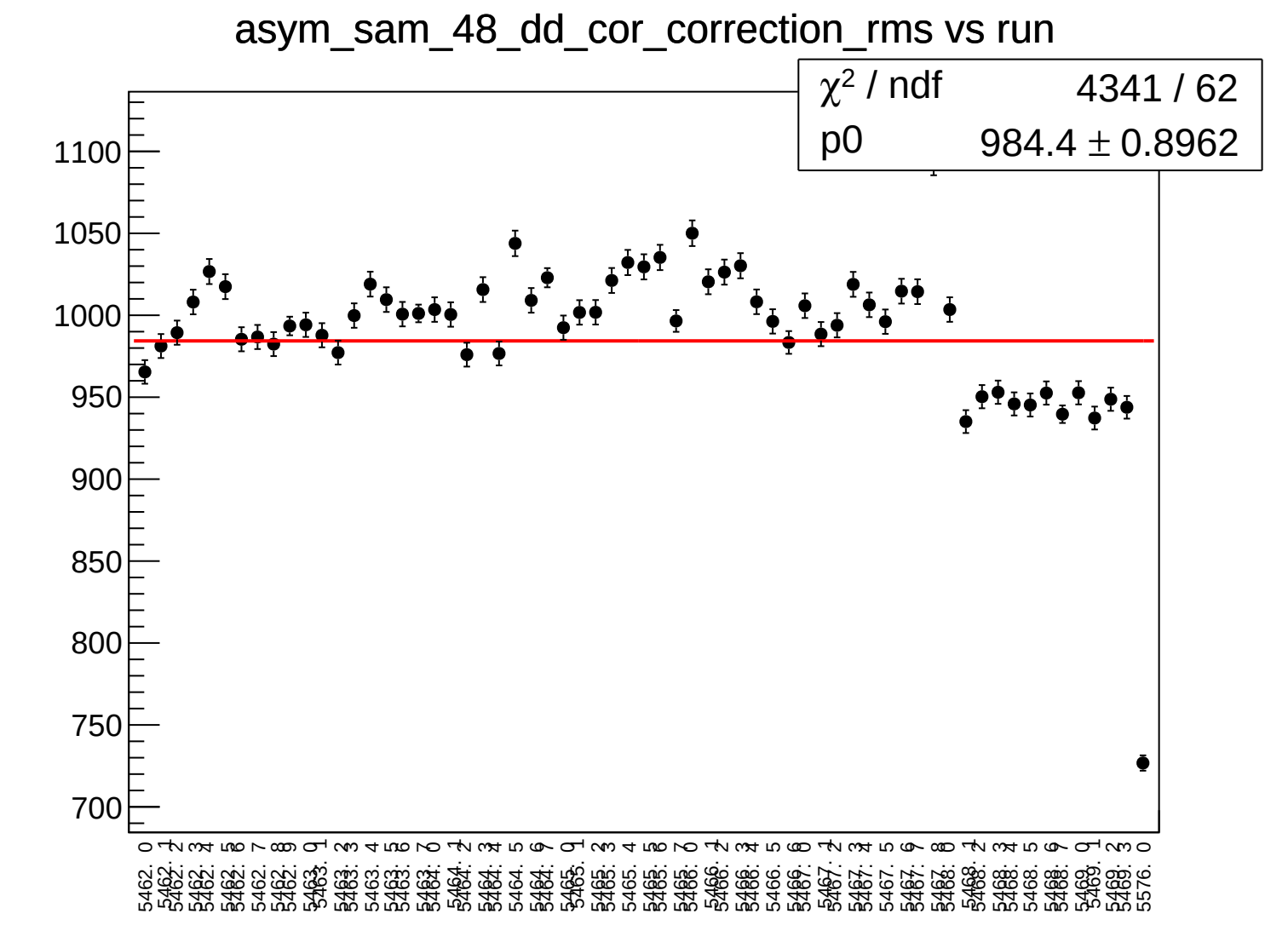

cor_asym_sam_48_dd_mean vs run
χ² / ndf 81.19 / 62
p0 125.4 ± 164.2
pull
Entries 63
Mean 7405
Std Dev 0

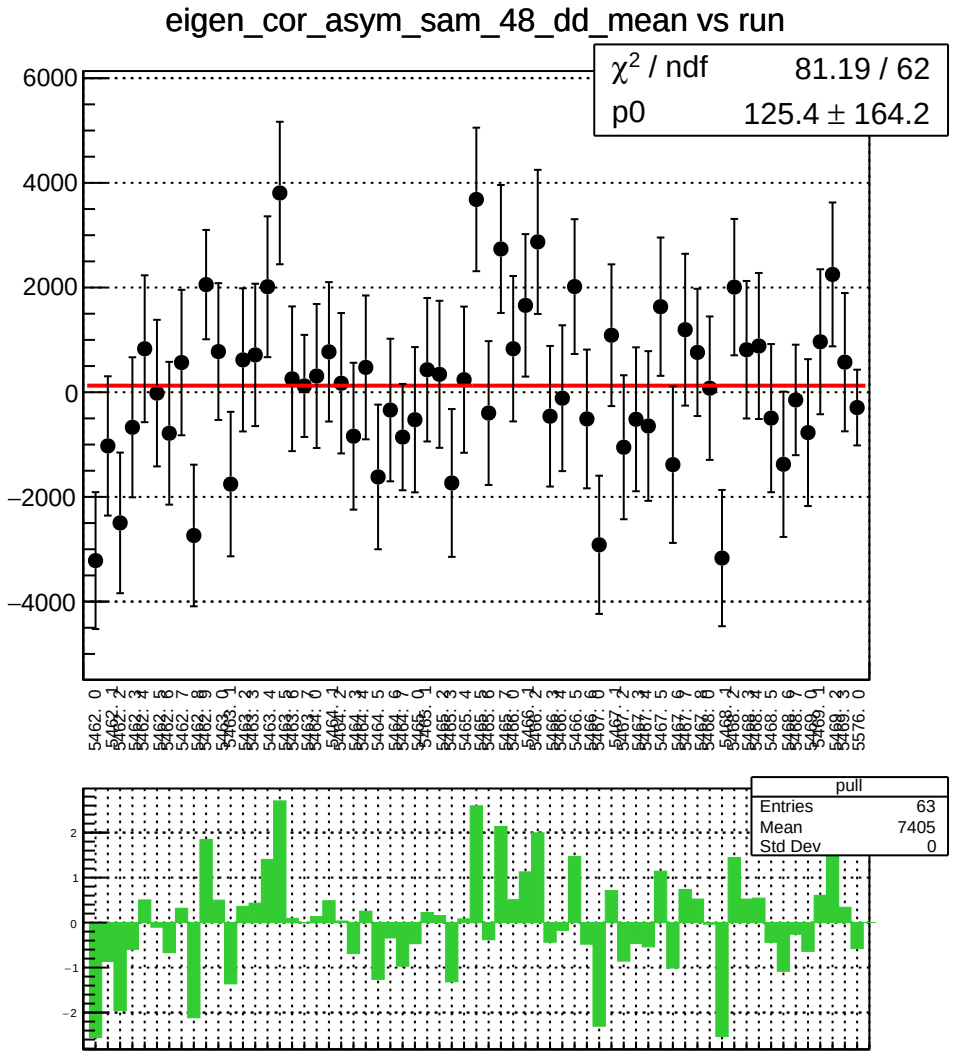

pull1D
Entries 63
Mean 0.0003006
Std Dev 1.135

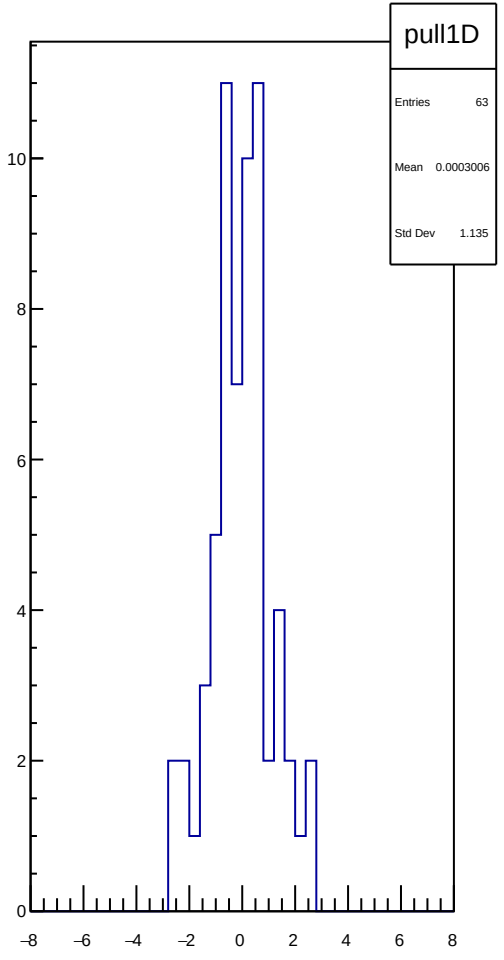

cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.013e+04 / 62
p0 127.2 ± 0.1161
140
130
120
110
100
90
80

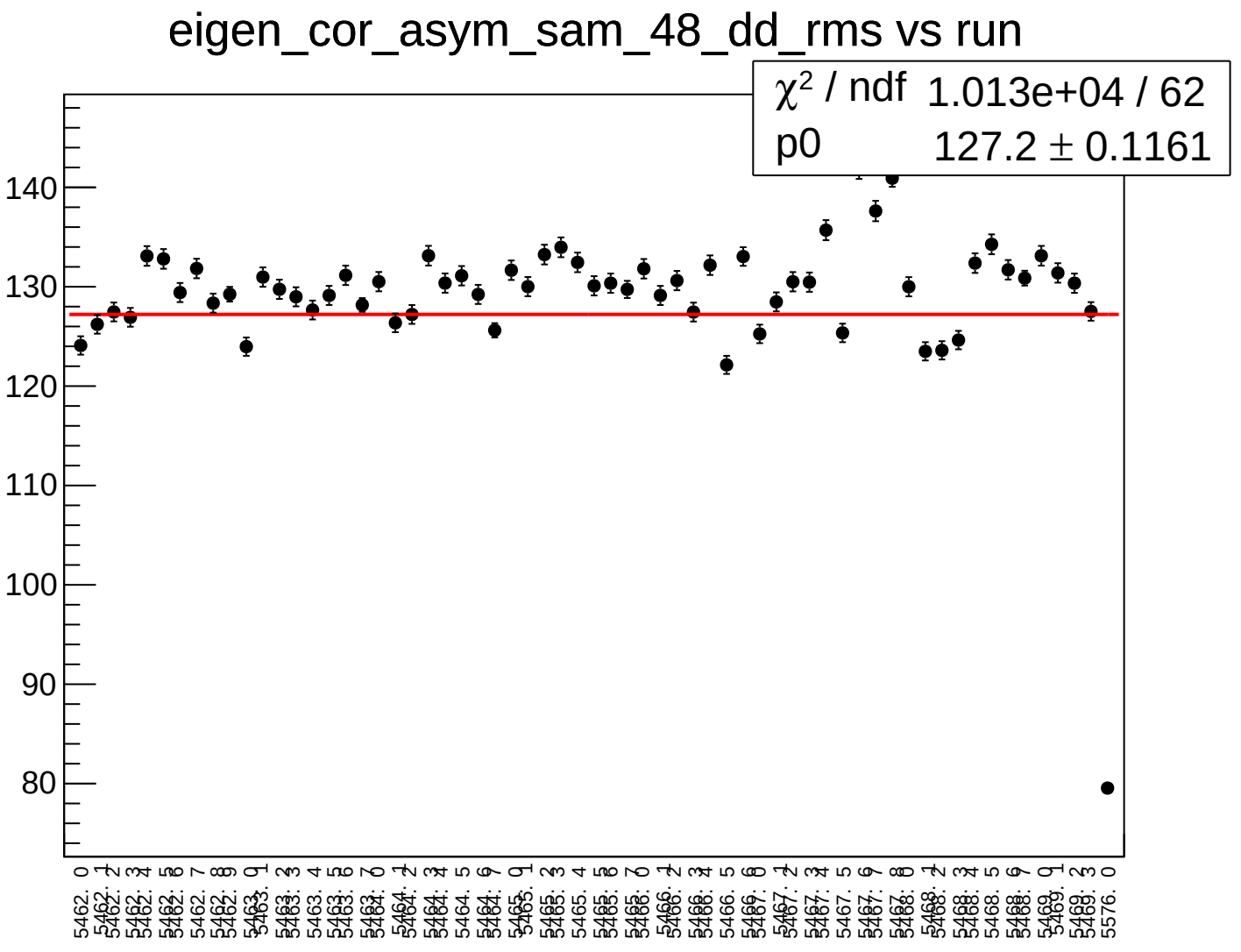

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 79.2 / 62
p0 1351 ± 1267
pull
Entries 63
Mean −38.07
Std Dev 0

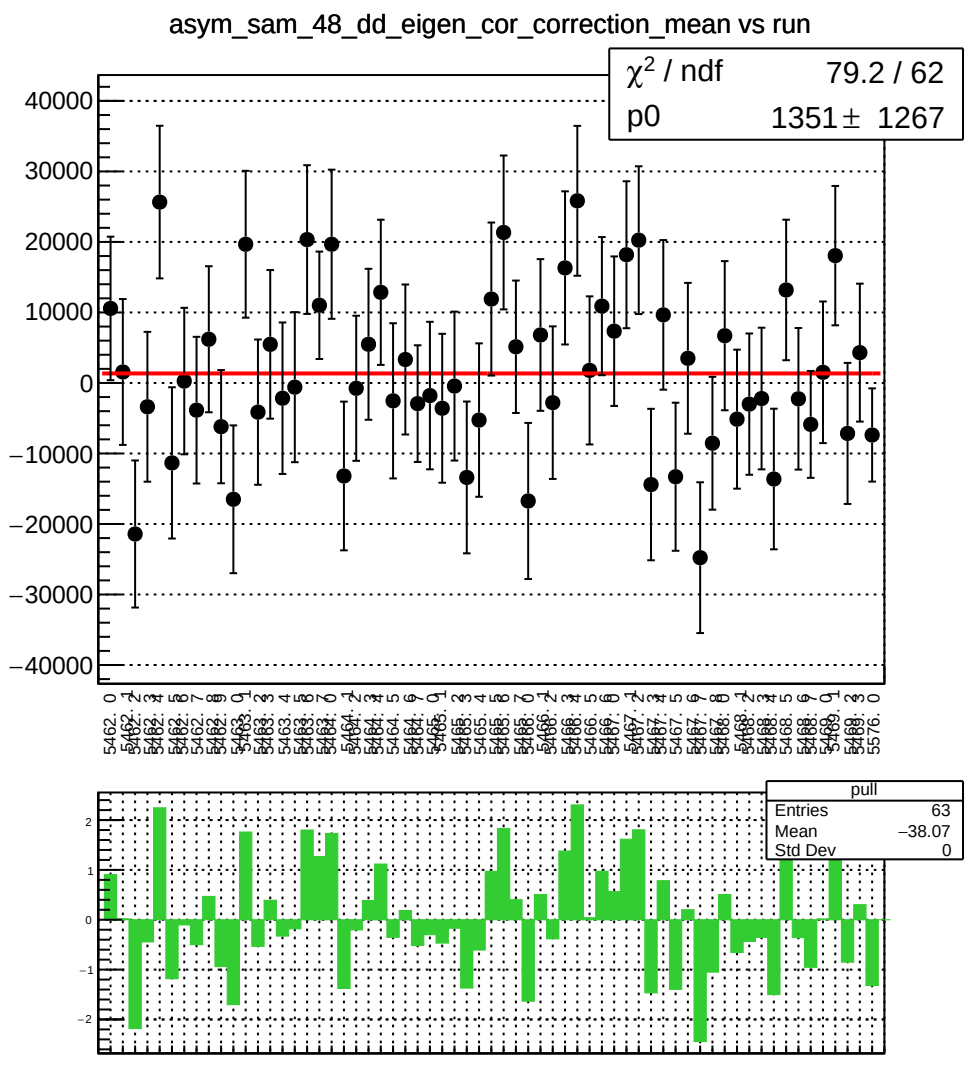

pull1D
Entries 63
Mean 0.01723
Std Dev 1.121

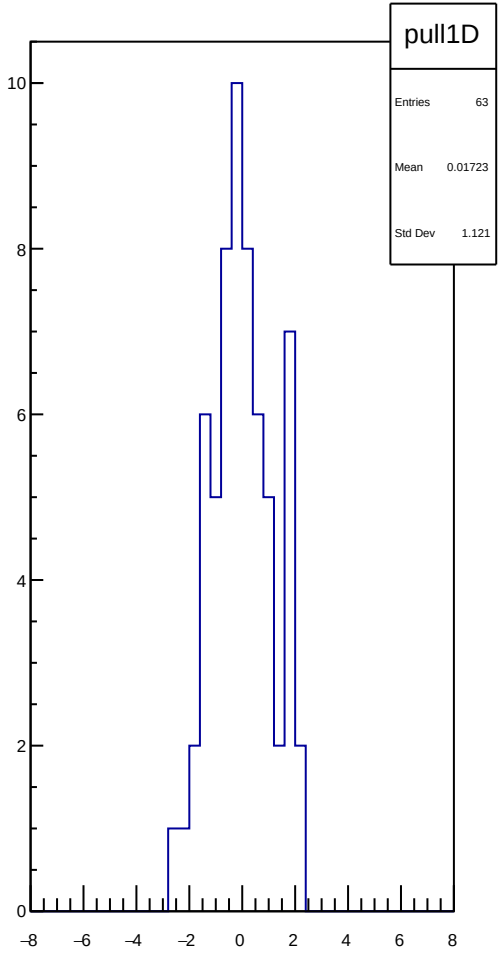

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 4341 / 62
p0 984.4 ± 0.8962
1100
1050
1000
950
900
850
800
750
700

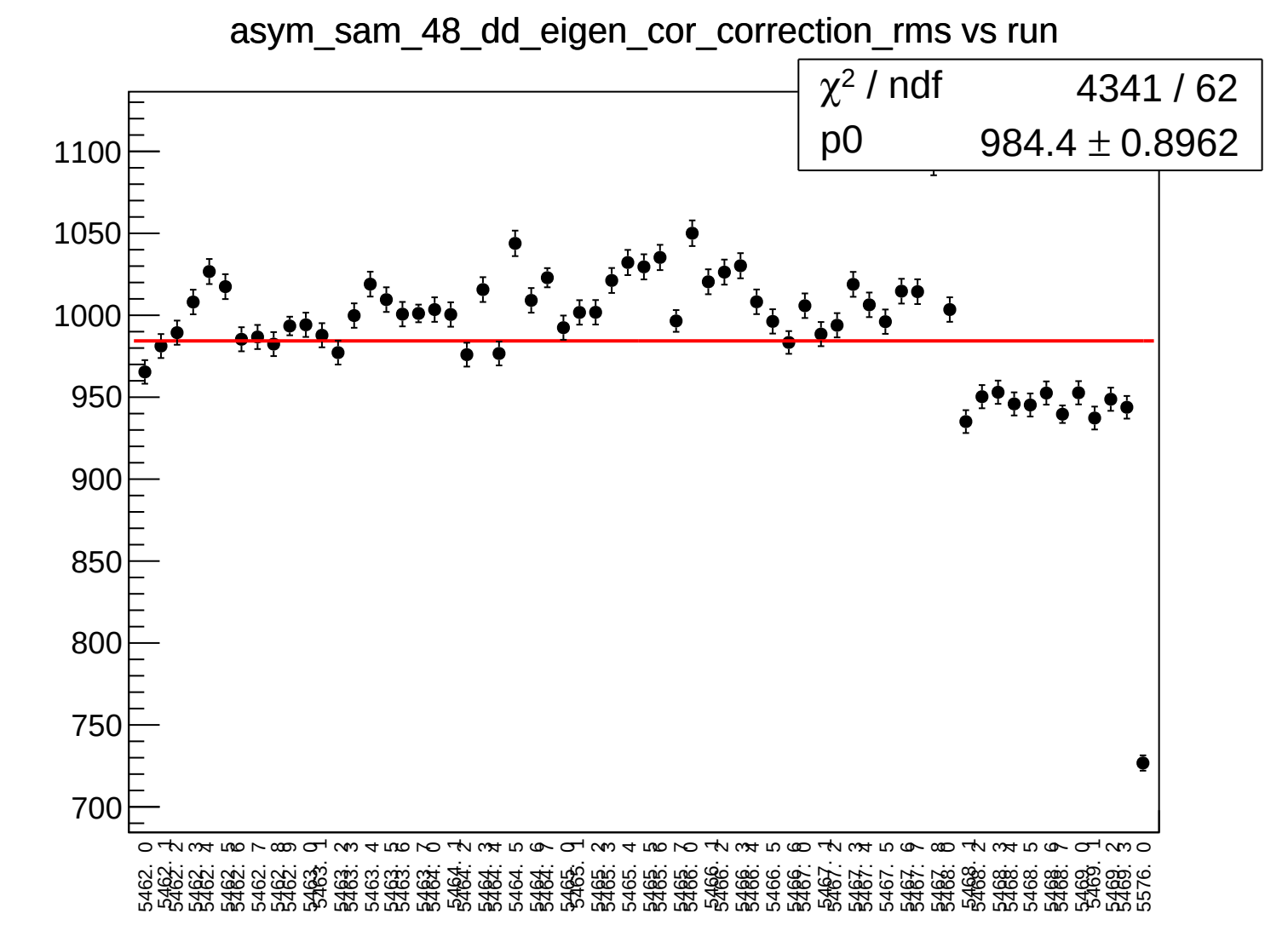

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 81.19 / 62
p0 125.4 ± 164.2
pull
Entries 63
Mean 7405
Std Dev 0

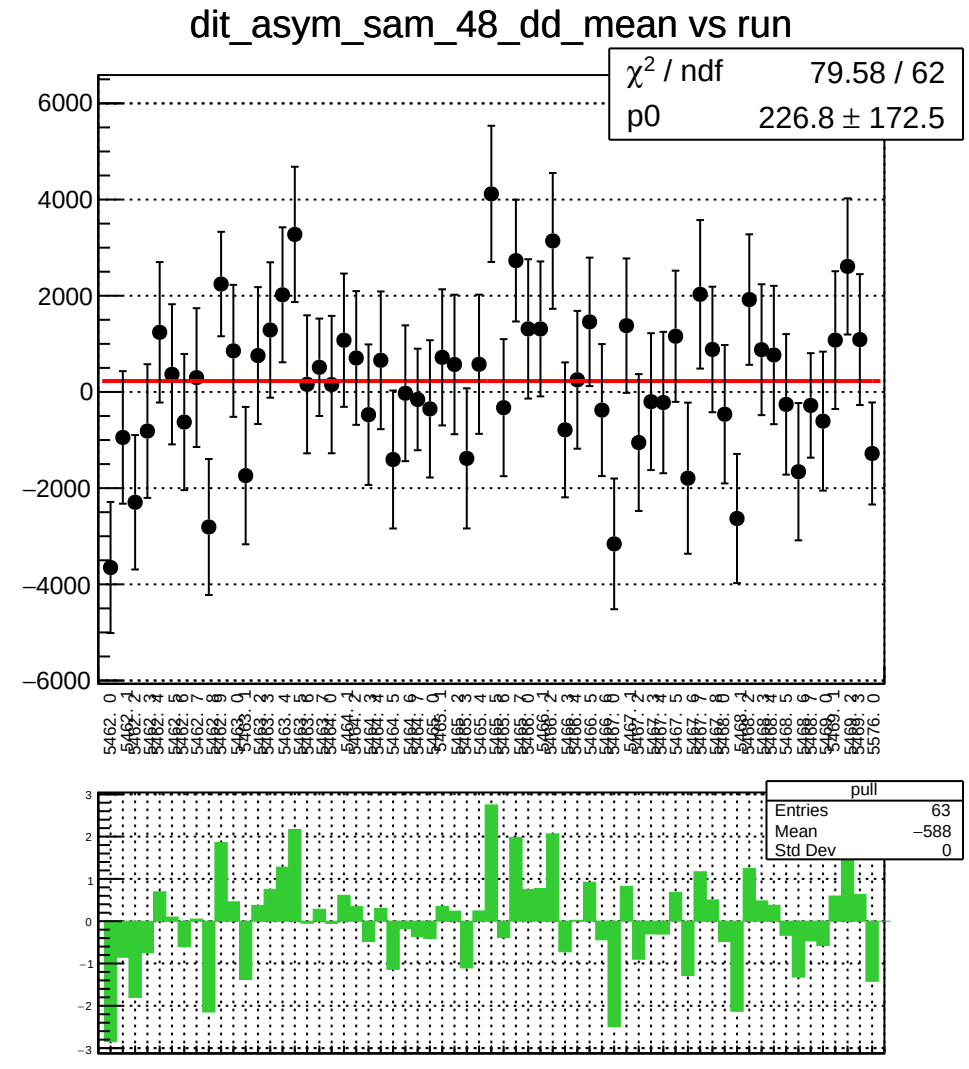

pull1D
Entries 63
Mean 0.0003006
Std Dev 1.135

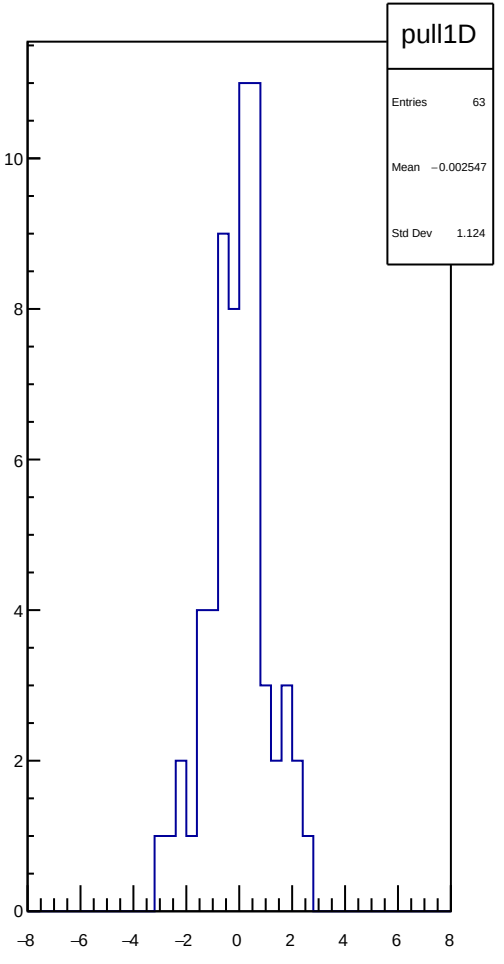

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.013e+04 / 62
p0 127.2 ± 0.1161
140
130
120
110
100
90
80

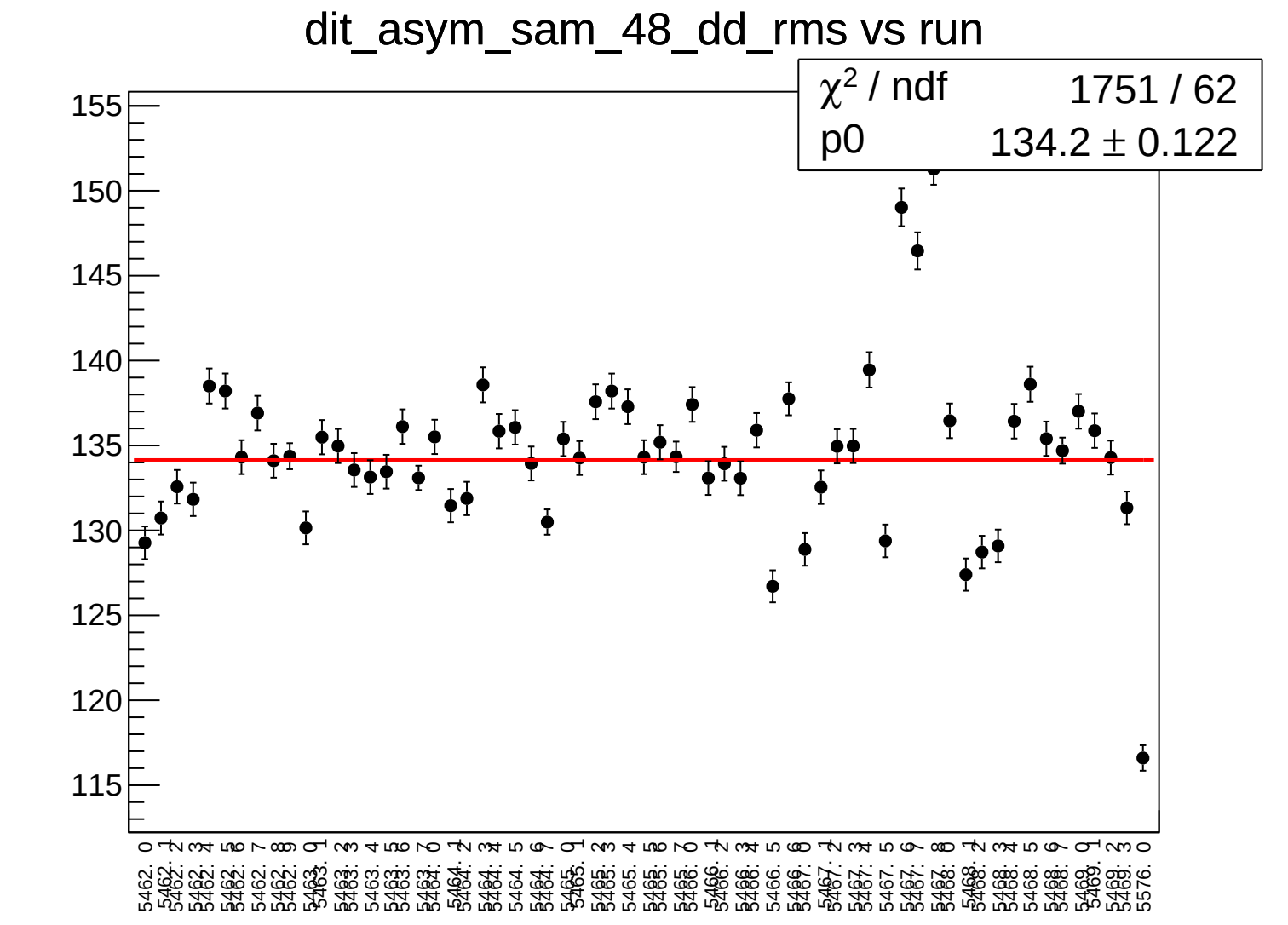

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.2 / 62
p0 1351 ± 1267
pull
Entries 63
Mean −38.07
Std Dev 0

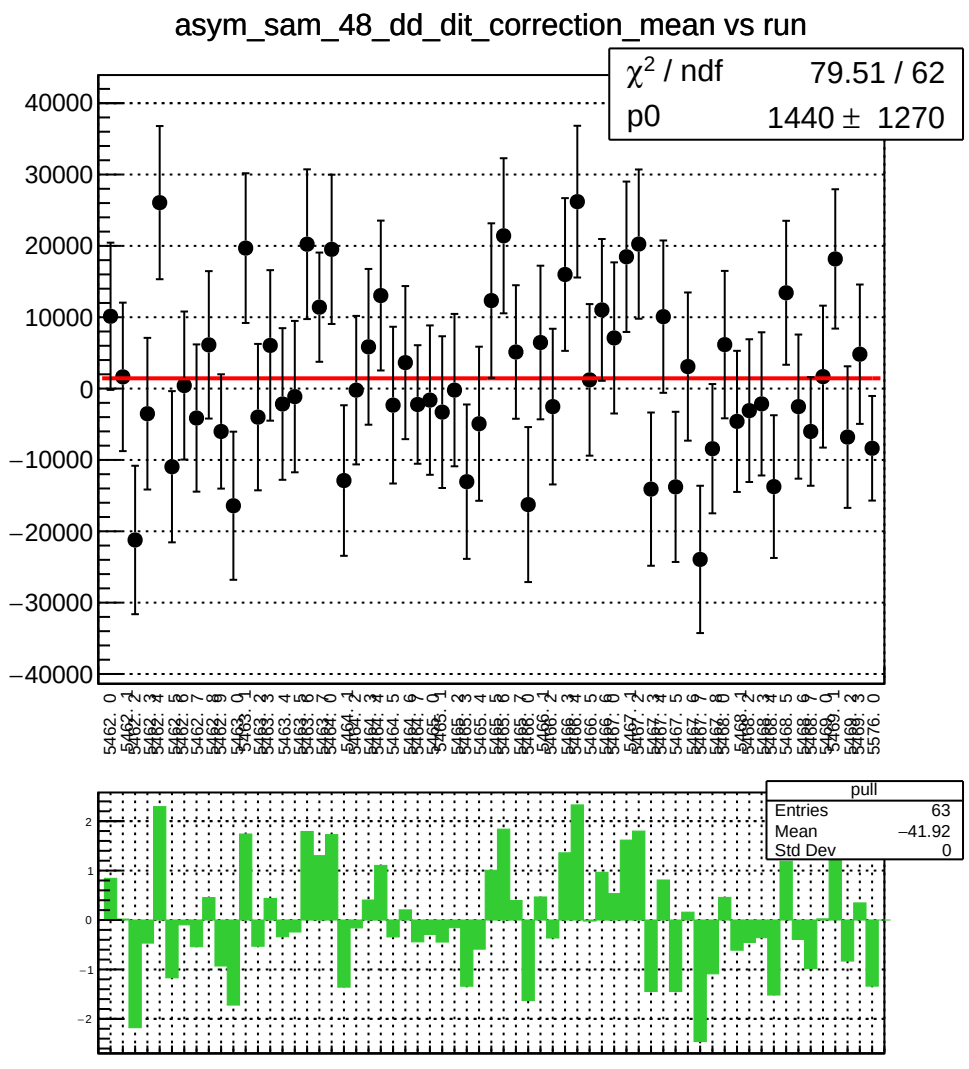

pull1D
Entries 63
Mean 0.01723
Std Dev 1.121

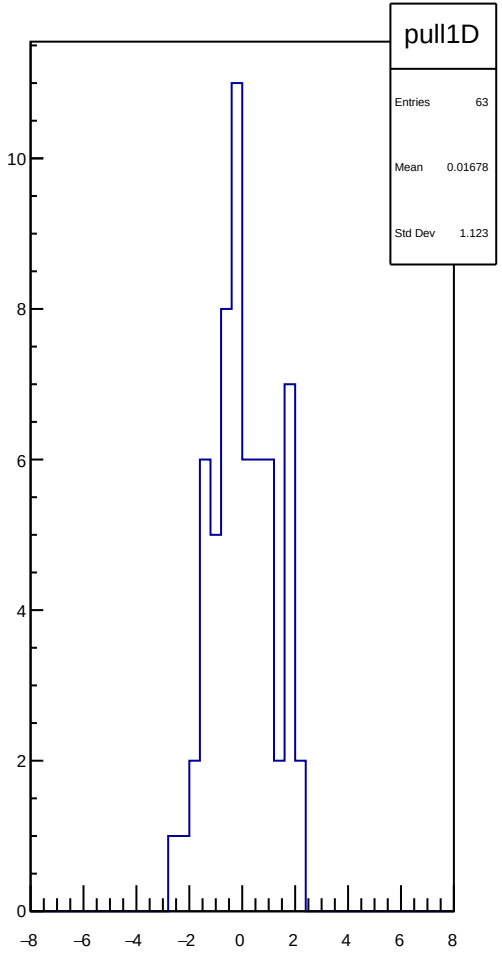

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4341 / 62
p0 984.4 ± 0.8962
1100
1050
1000
950
900
850
800
750
700

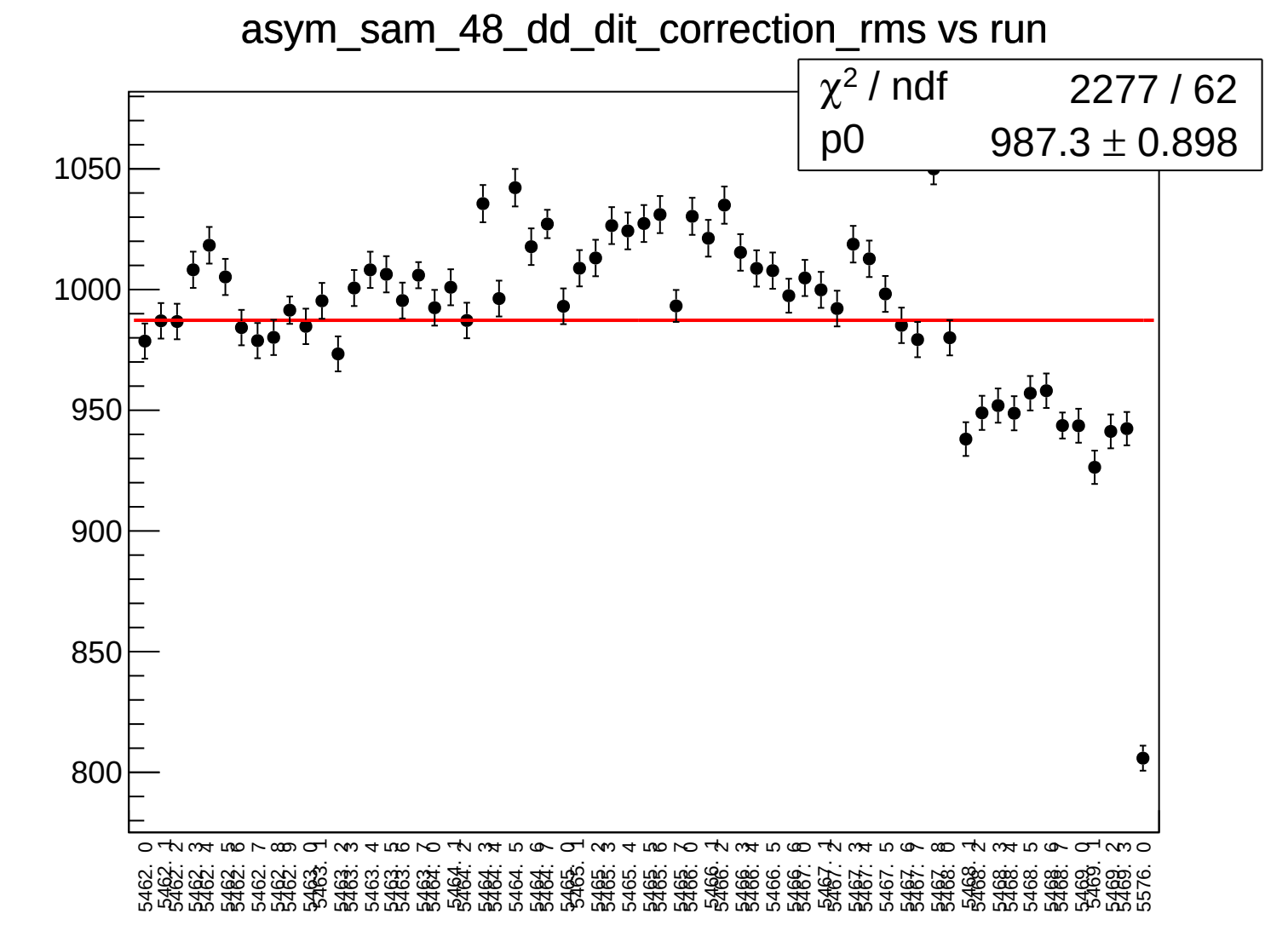

dit_asym_sam_48_dd_mean vs run
χ² / ndf 79.58 / 62
p0 226.8 ± 172.5
pull
Entries 63
Mean −588
Std Dev 0

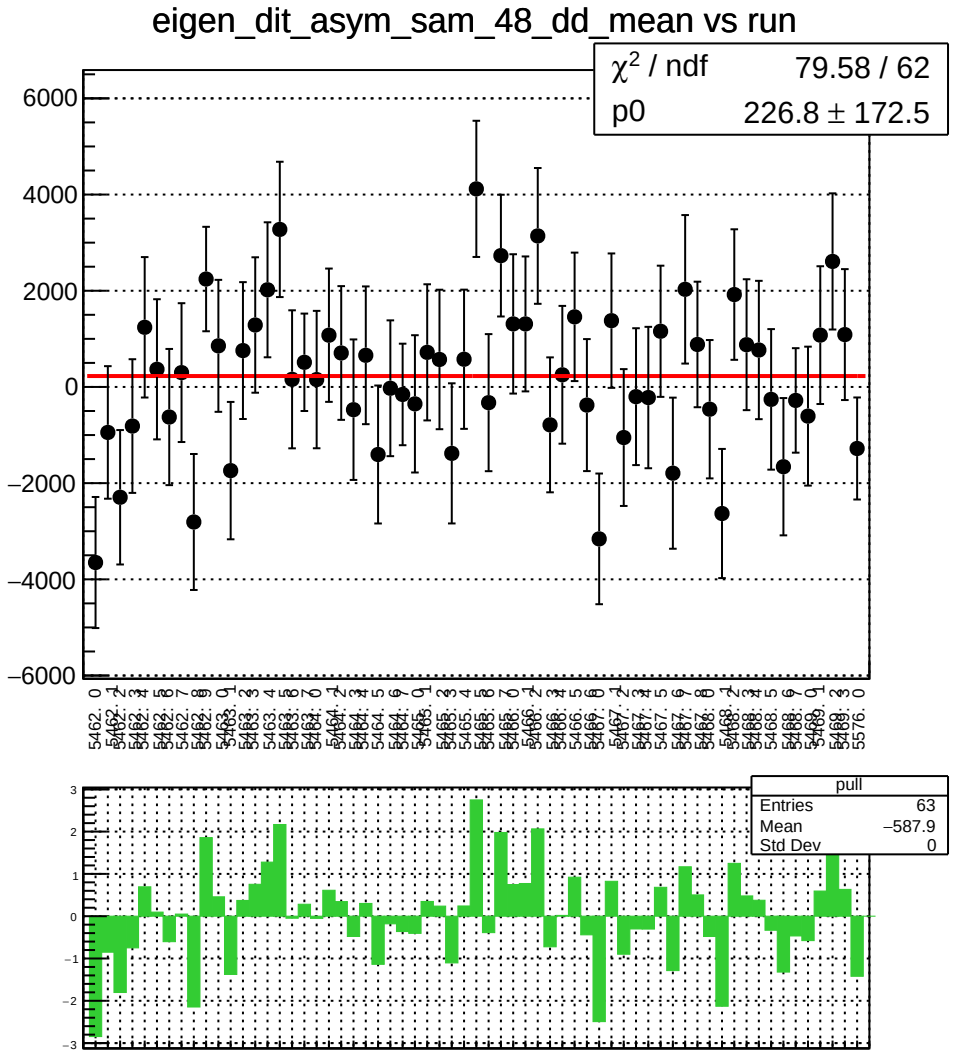

pull1D
Entries 63
Mean −0.002547
Std Dev 1.124

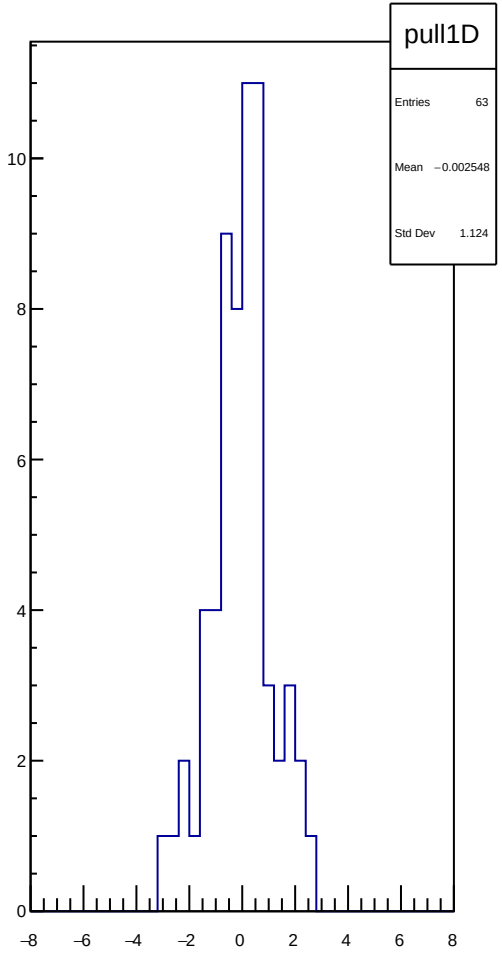

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1751 / 62
p0 134.2 ± 0.122
155
150
145
140
135
130
125
120
115

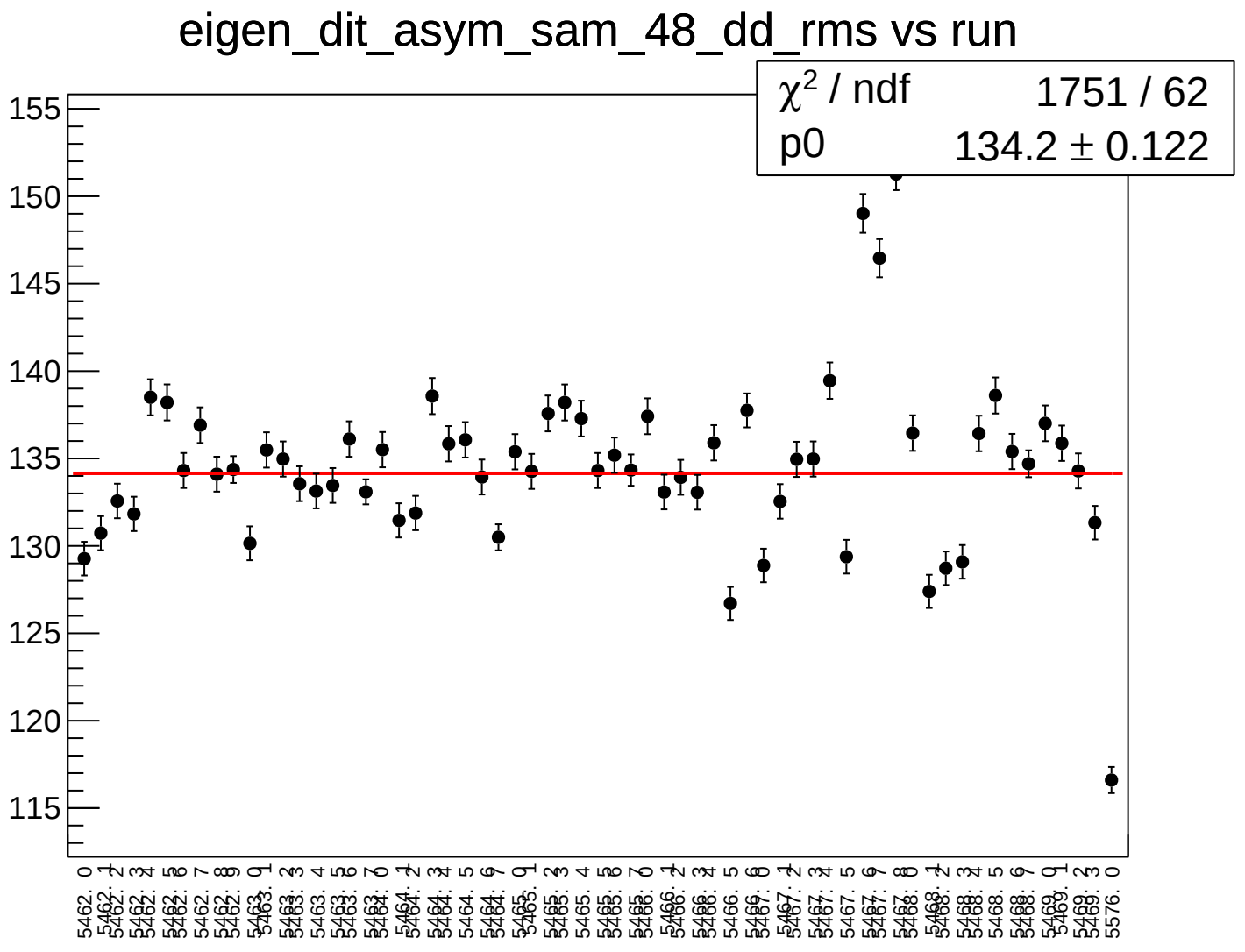

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 79.51 / 62
p0 1440 ± 1270
pull
Entries 63
Mean −41.92
Std Dev 0

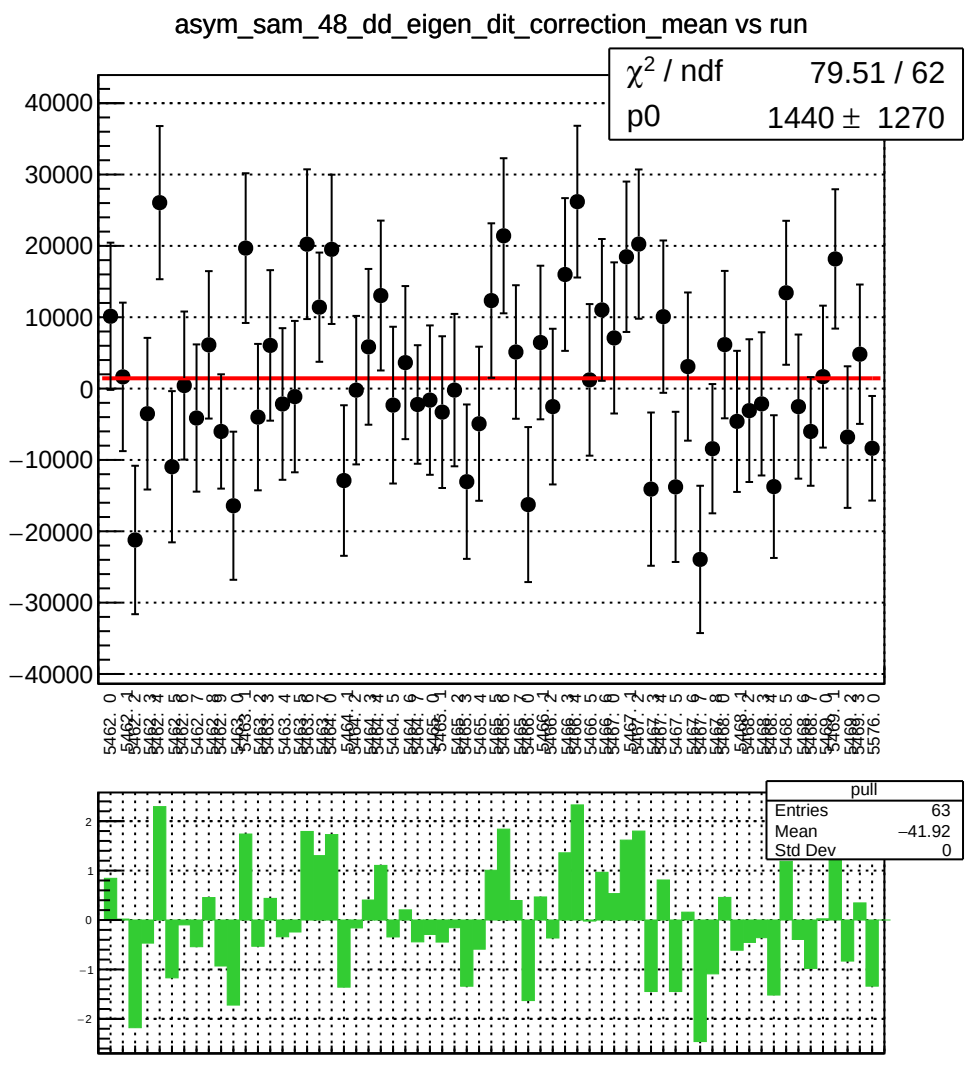

pull1D
Entries 63
Mean 0.01678
Std Dev 1.123

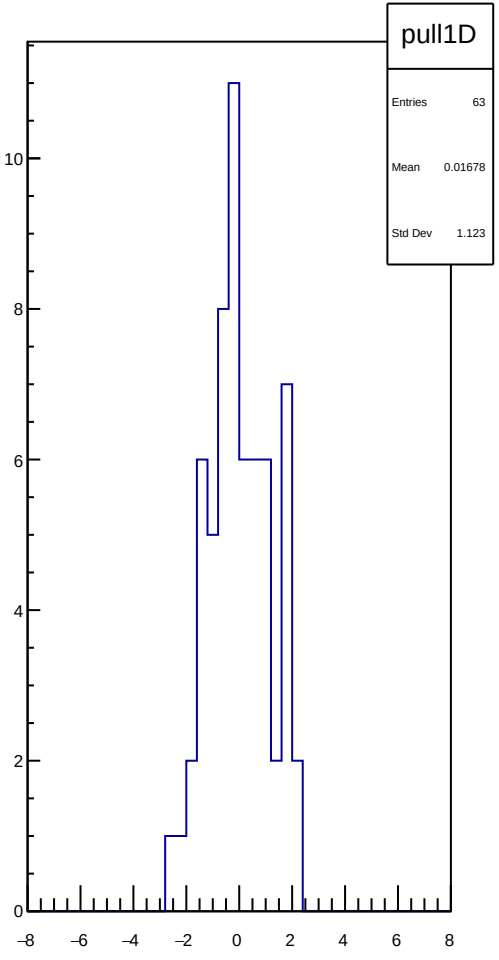

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 2277 / 62
p0 987.3 ± 0.898
1050
1000
950
900
850
800

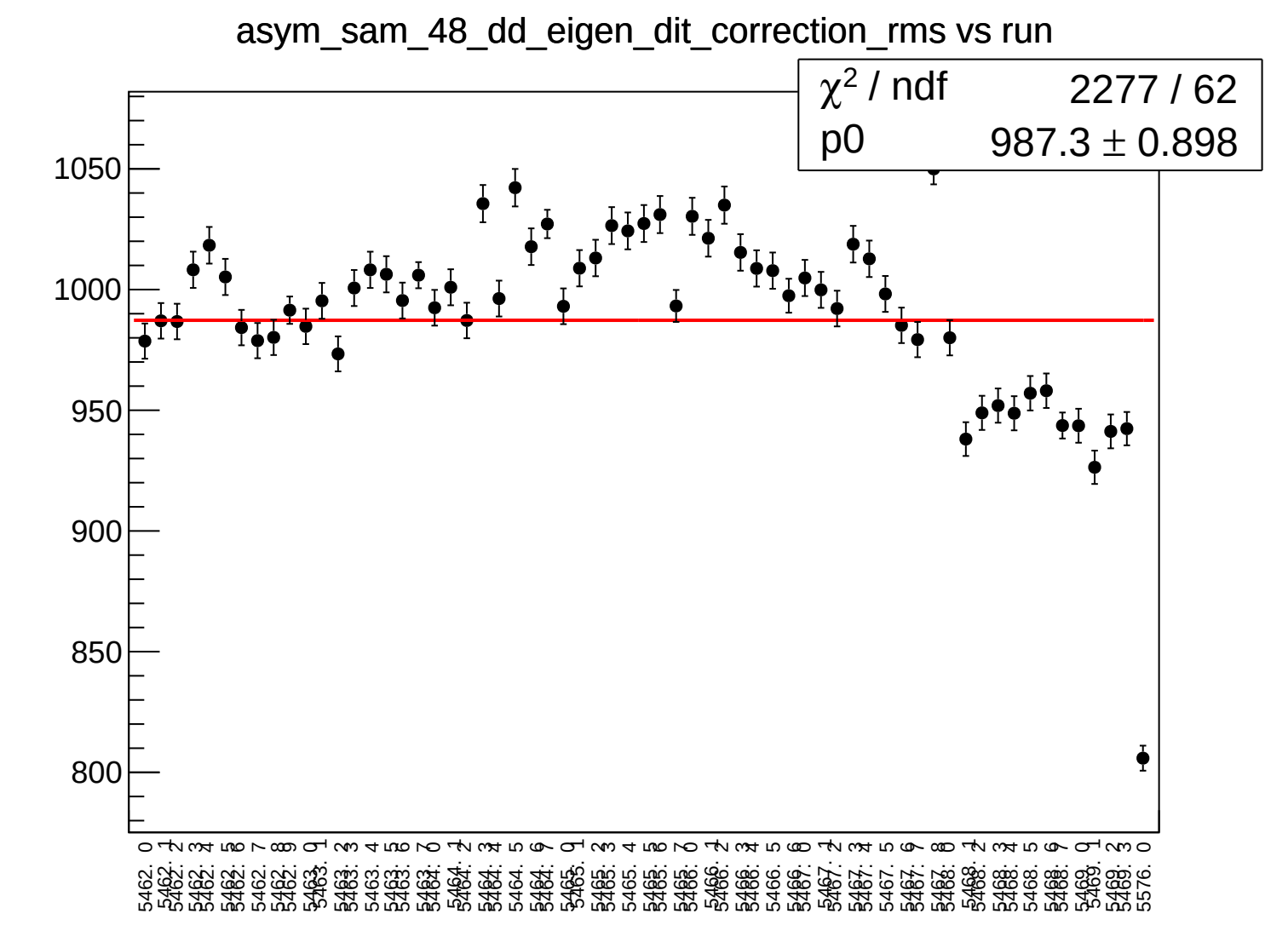

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 79.58 / 62
p0 226.8 ± 172.5
pull
Entries 63
Mean −587.9
Std Dev 0

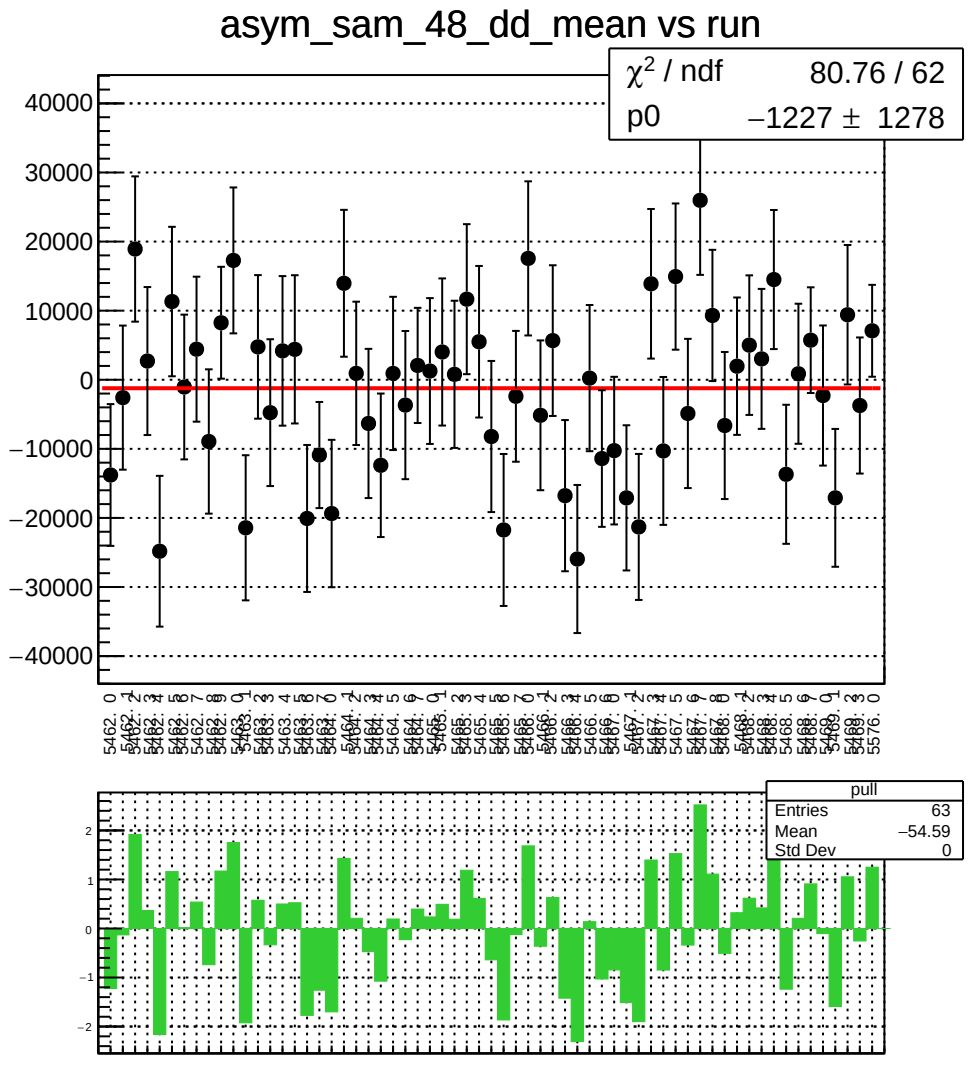

pull1D
Entries 63
Mean −0.002548
Std Dev 1.124

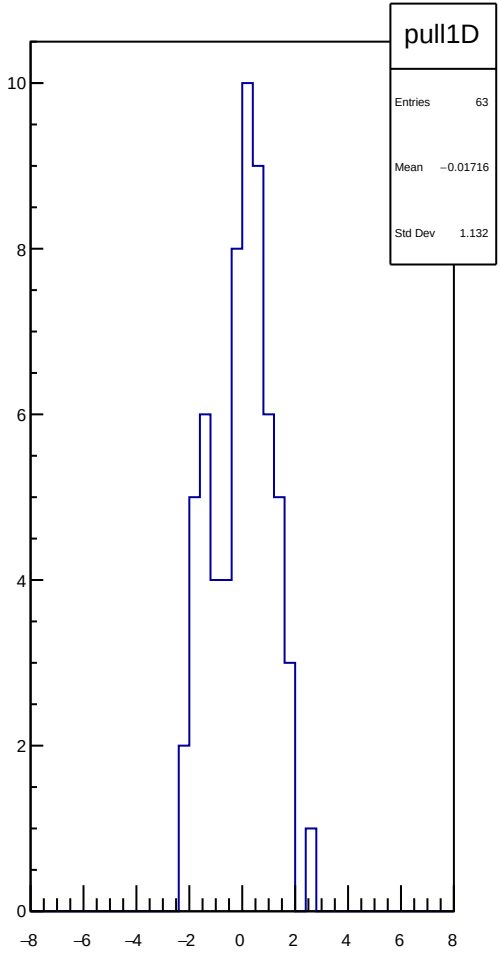

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1751 / 62
p0 134.2 ± 0.122
155
150
145
140
135
130
125
120
115

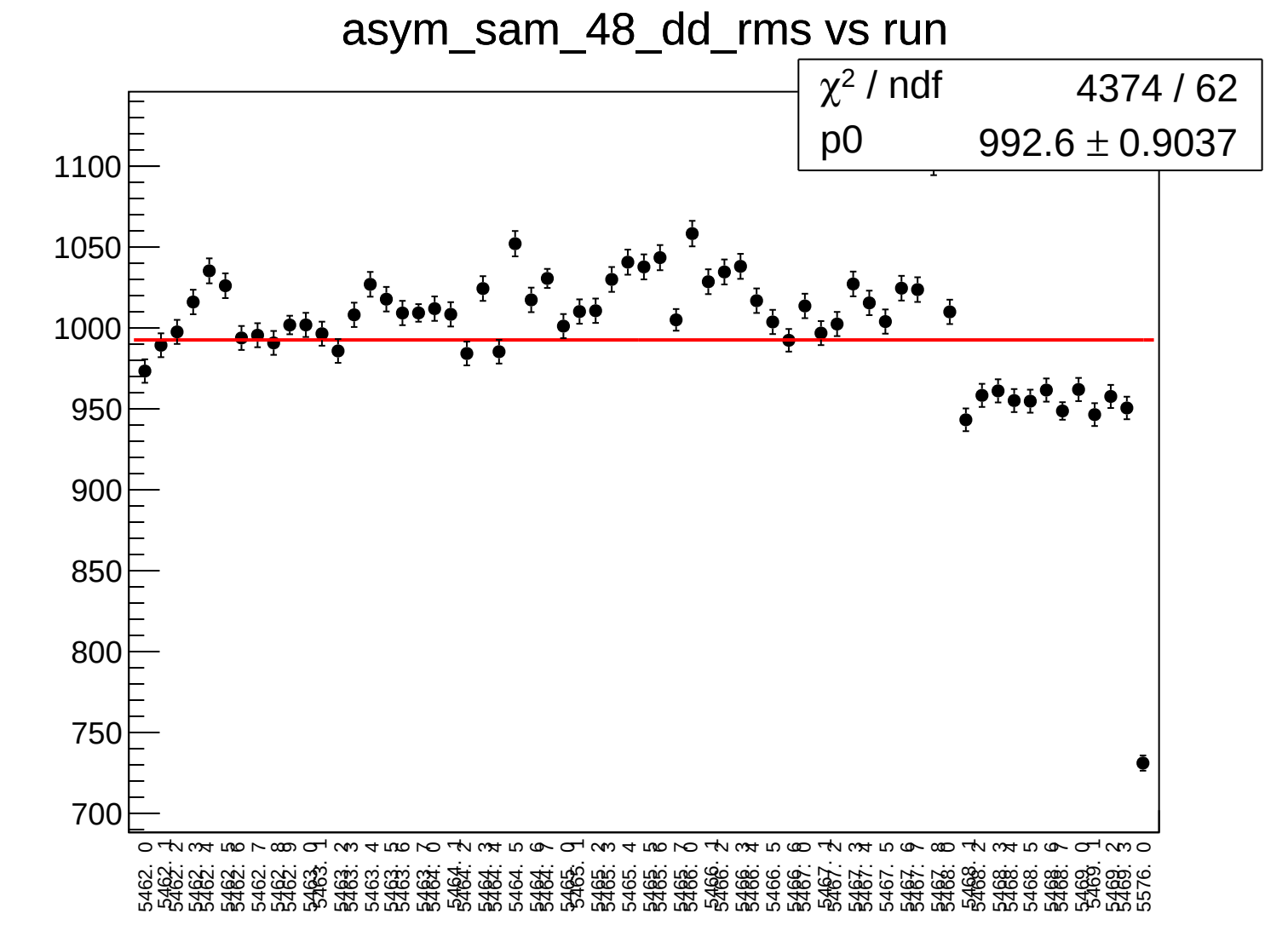

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.51 / 62
p0 1440 ± 1270
pull
Entries 63
Mean −41.92
Std Dev 0

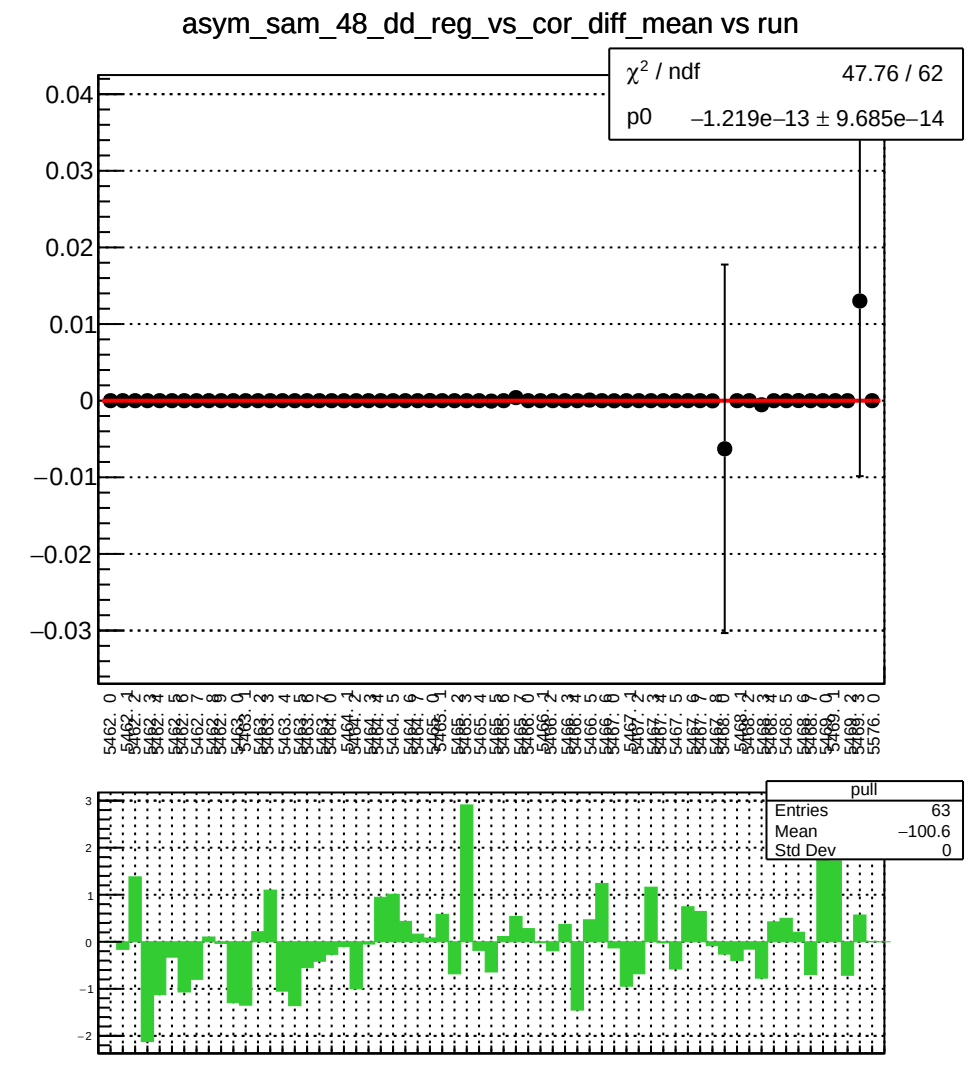

pull1D
Entries 63
Mean 0.01678
Std Dev 1.123

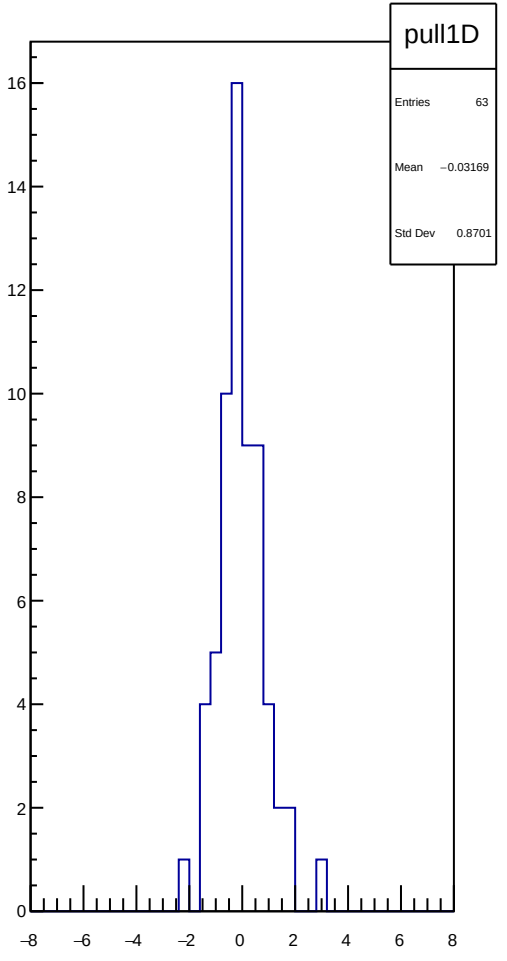

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2277 / 62
p0 987.3 ± 0.898
1050
1000
950
900
850
800

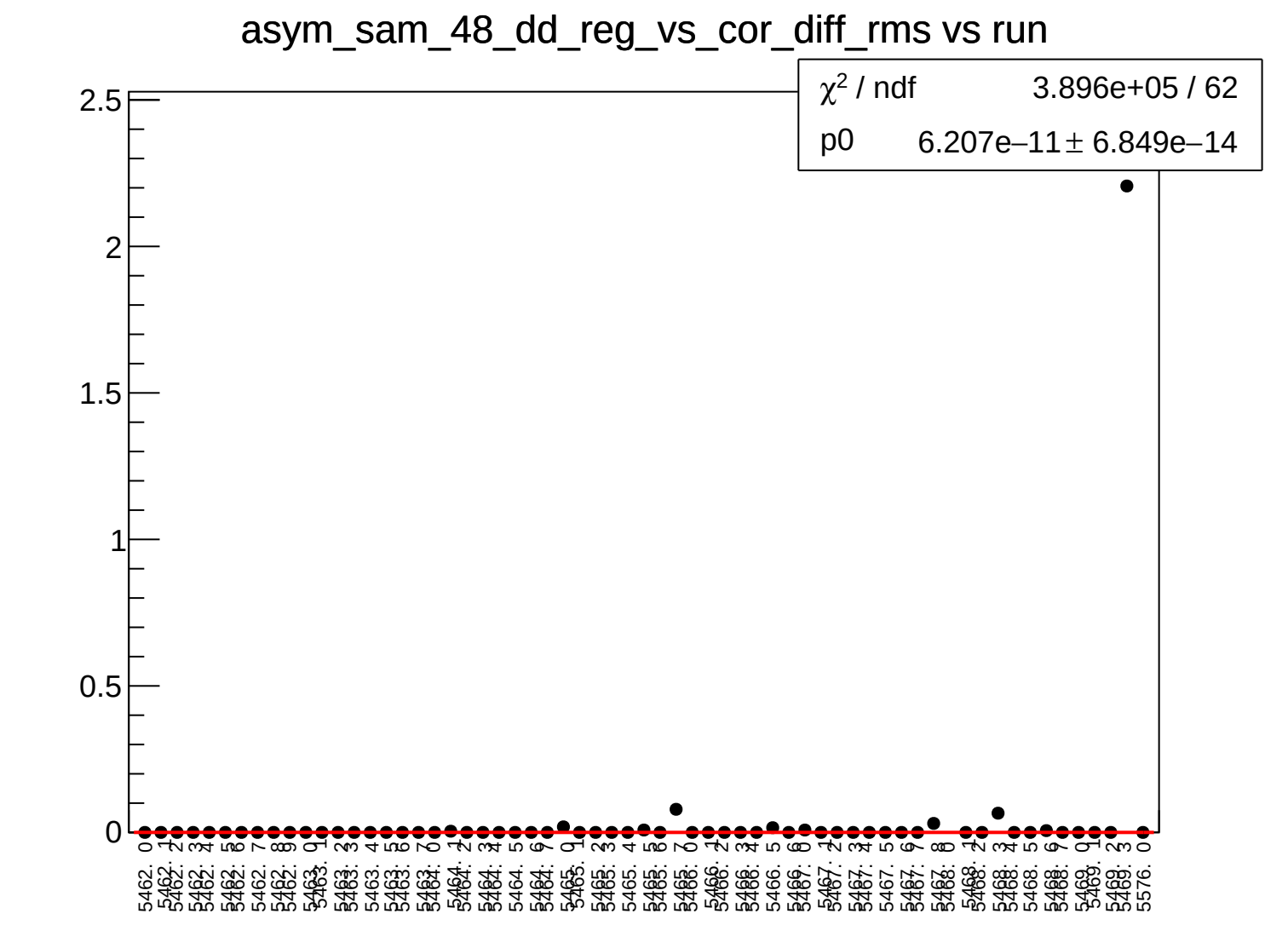

asym_sam_48_dd_mean vs run
χ² / ndf 80.76 / 62
p0 −1227 ± 1278
pull
Entries 63
Mean −54.59
Std Dev 0

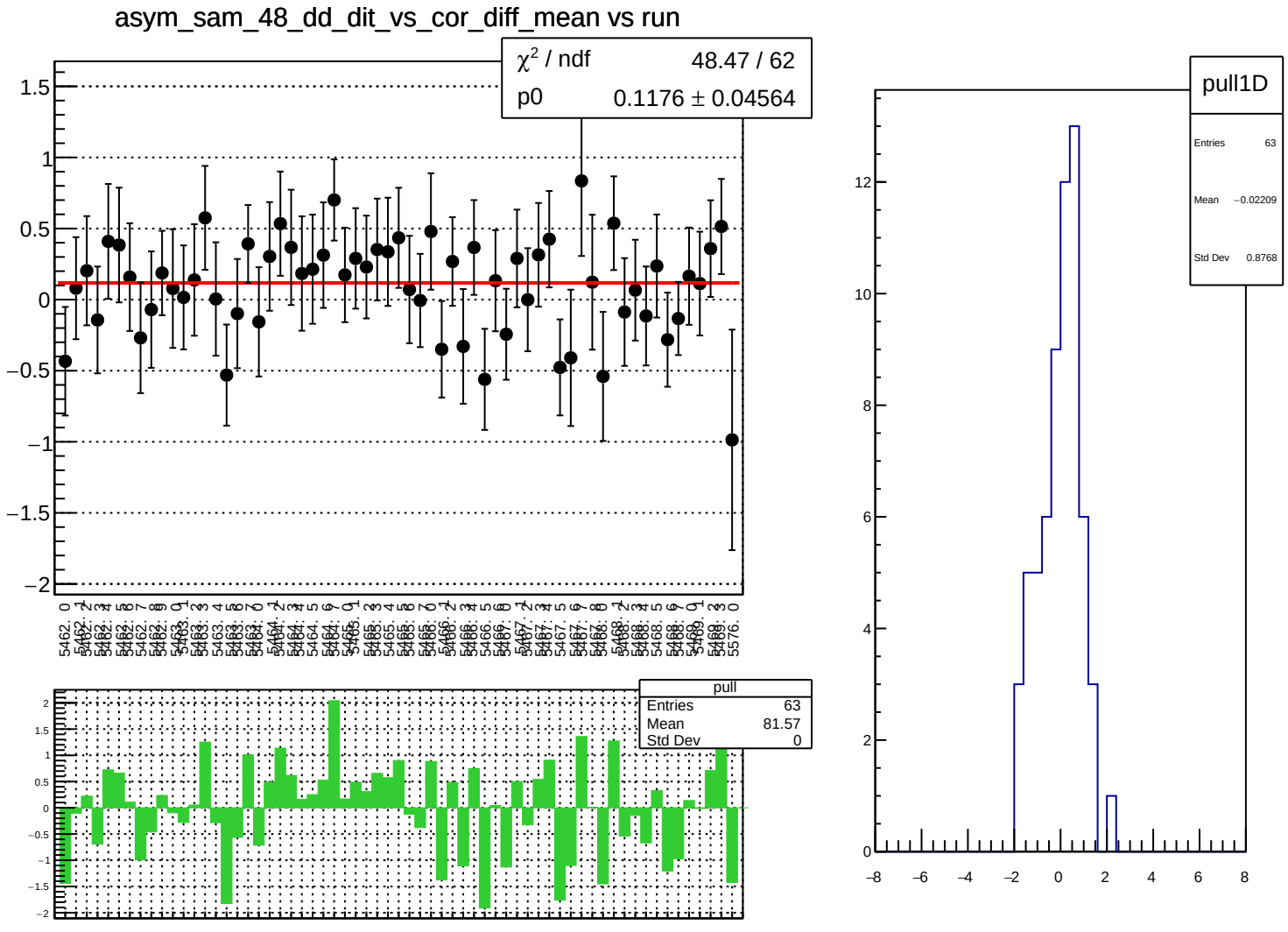

pull1D
Entries 63
Mean −0.01716
Std Dev 1.132

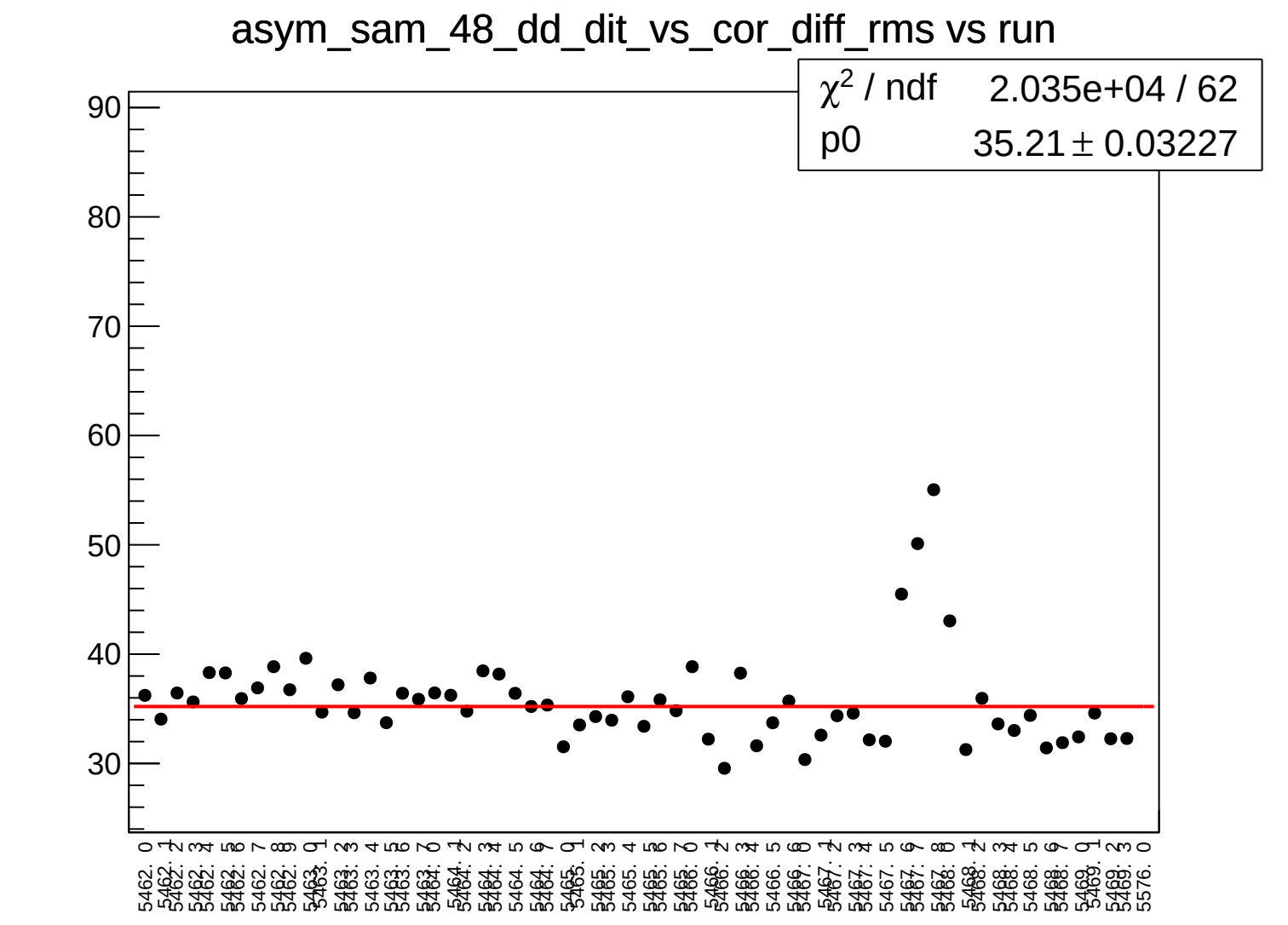

asym_sam_48_dd_rms vs run
χ² / ndf 4374 / 62
p0 992.6 ± 0.9037
1100
1050
1000
950
900
850
800
750
700

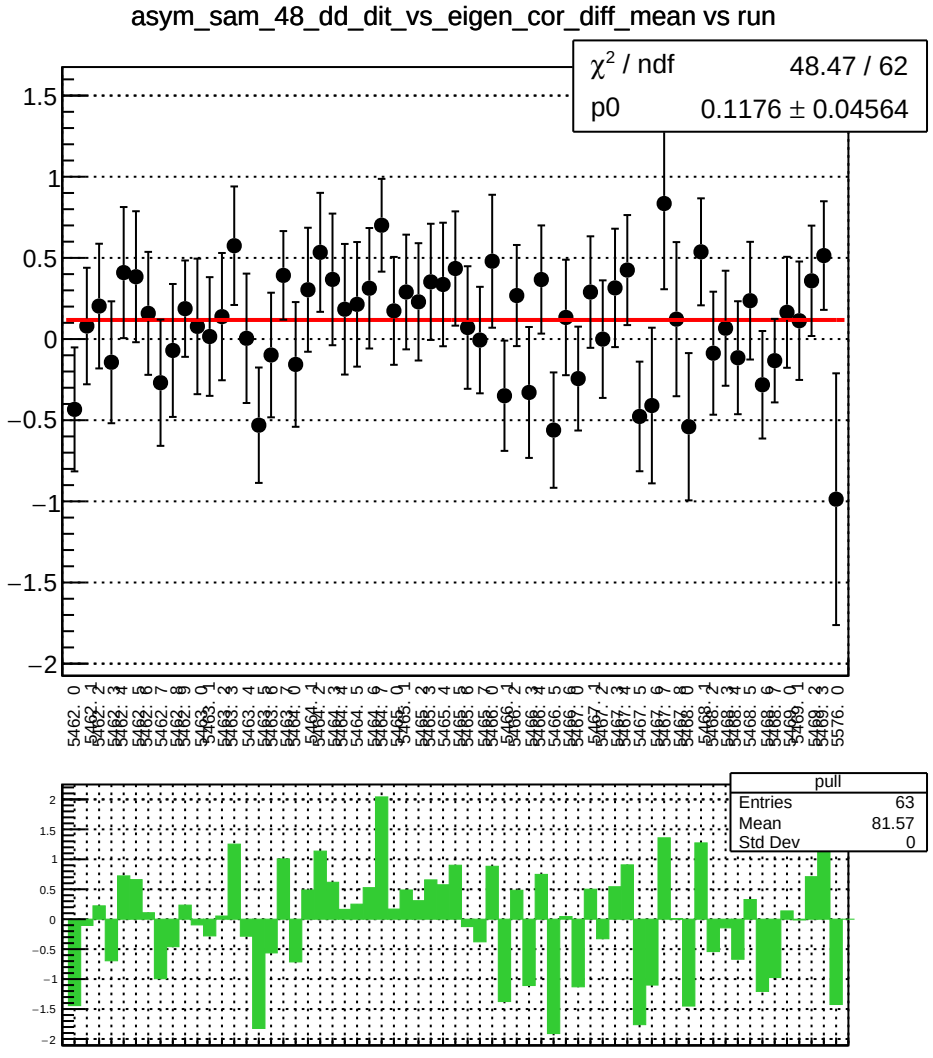

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.76 / 62
p0 −1.219e−13 ± 9.685e−14
pull
Entries 63
Mean −100.6
Std Dev 0

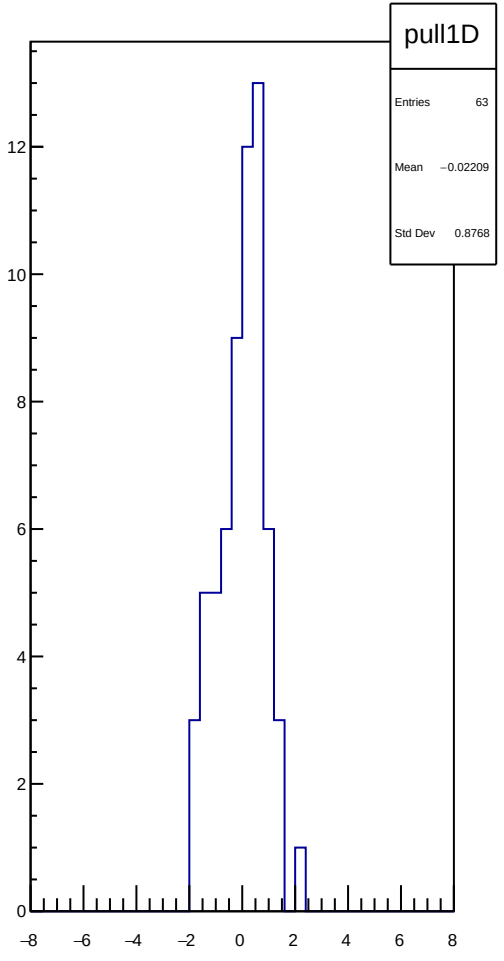

pull1D
Entries 63
Mean −0.03169
Std Dev 0.8701

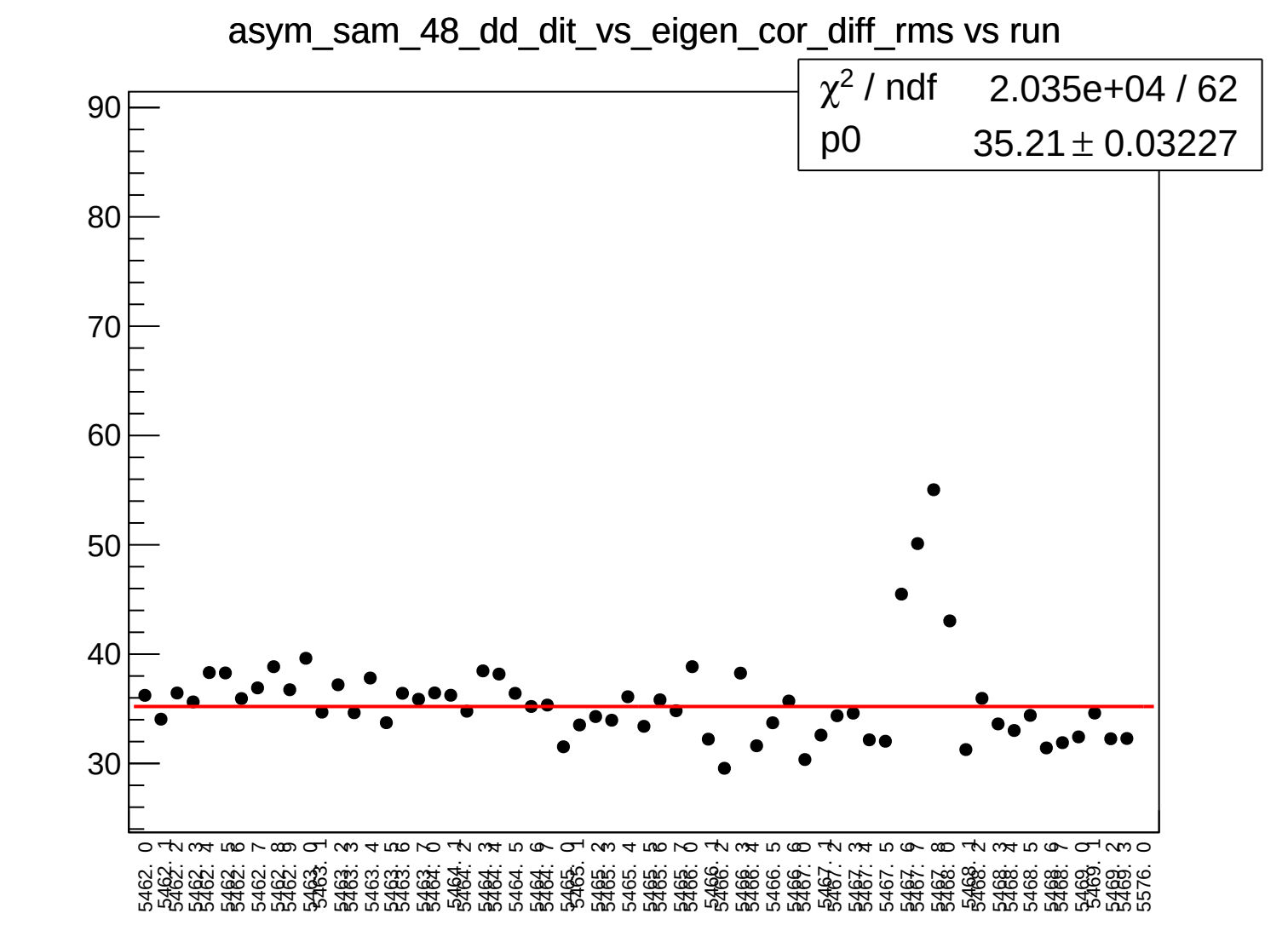

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 3.896e+05 / 62
p0 6.207e−11 ± 6.849e−14
2.5
2
1.5
1
0.5
0

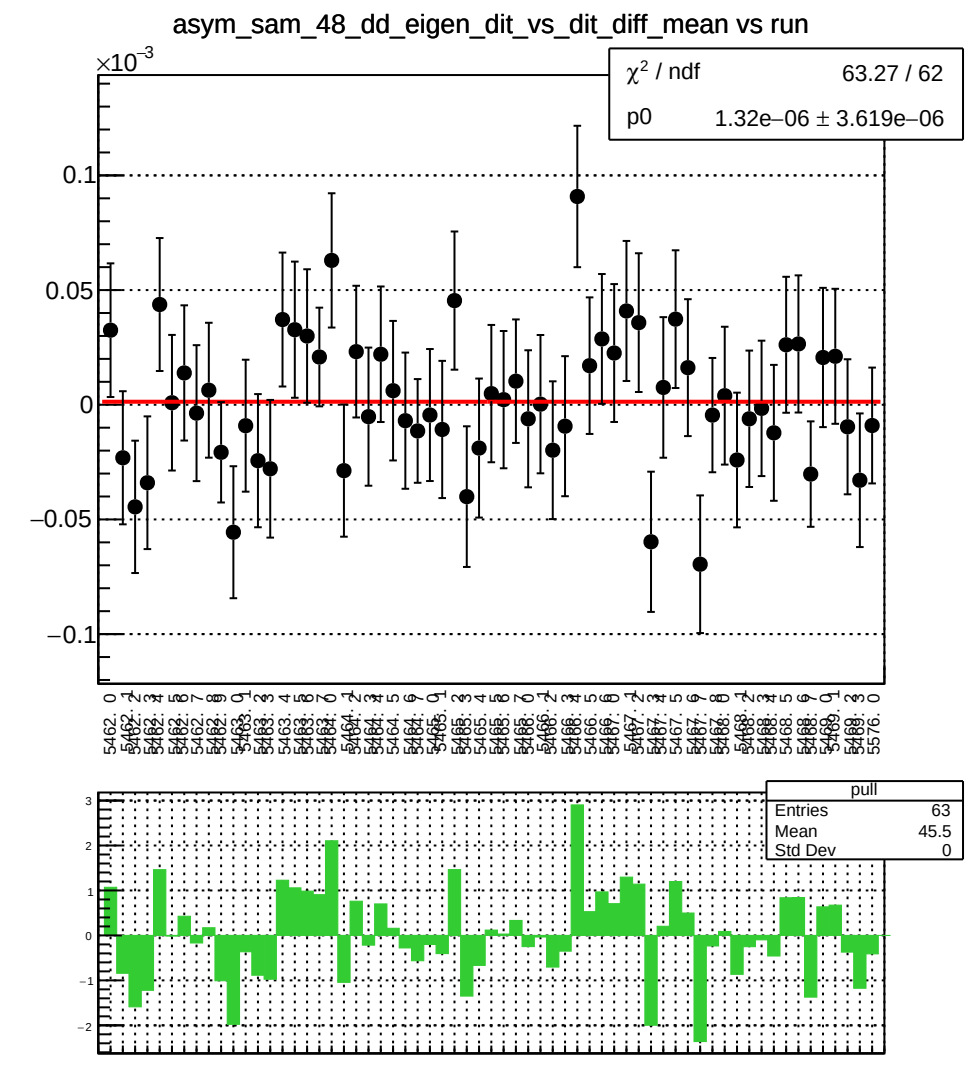

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.47 / 62
p0 0.1176 ± 0.04564
pull
Entries 63
Mean 81.57
Std Dev 0
pull1D
Entries 63
Mean −0.02209
Std Dev 0.8768

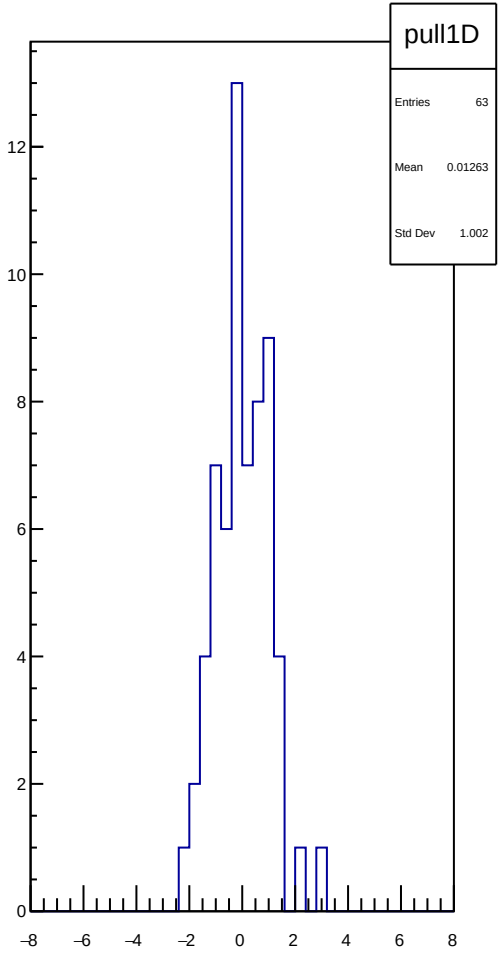

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.035e+04 / 62
p0 35.21 ± 0.03227
90
80
70
60
50
40
30

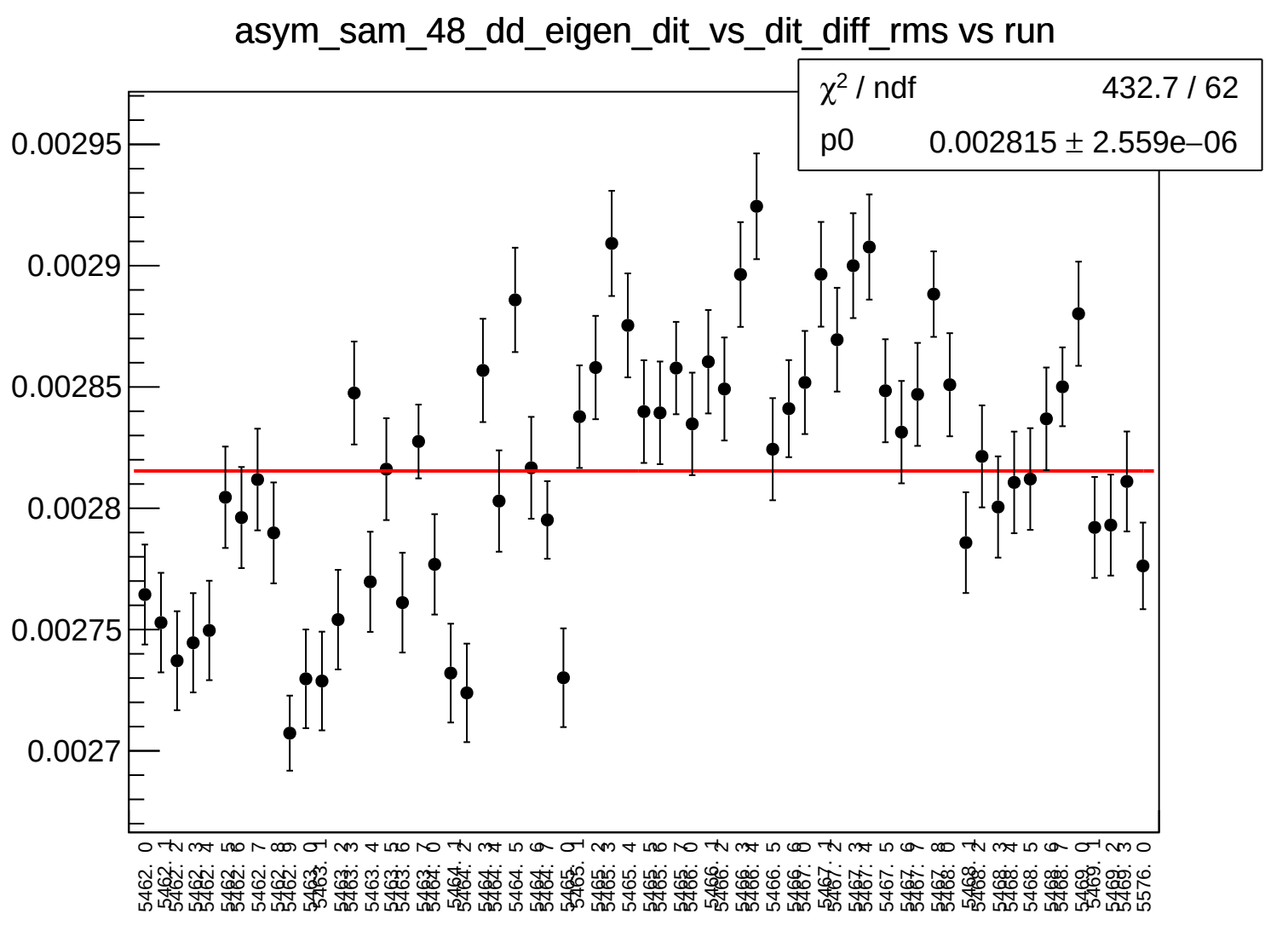

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.47 / 62
p0 0.1176 ± 0.04564
pull
Entries 63
Mean 81.57
Std Dev 0

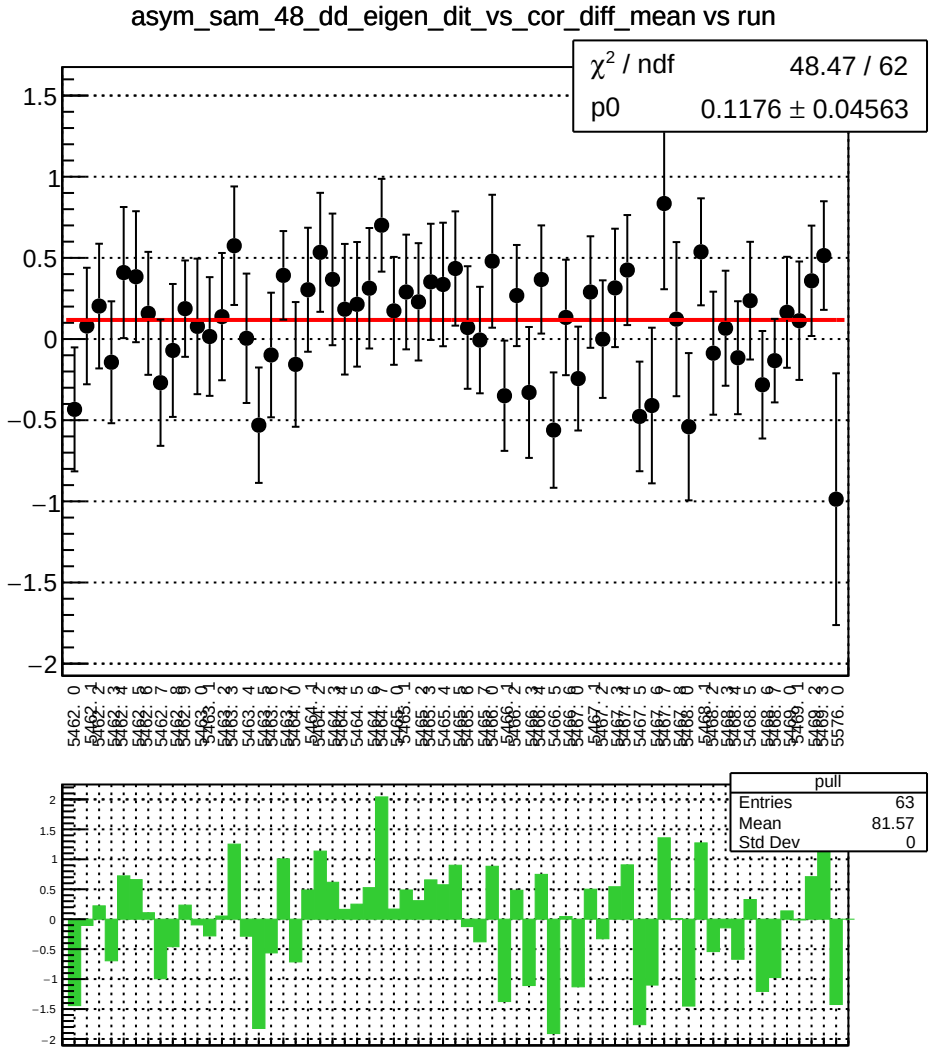

pull1D
Entries 63
Mean −0.02209
Std Dev 0.8768

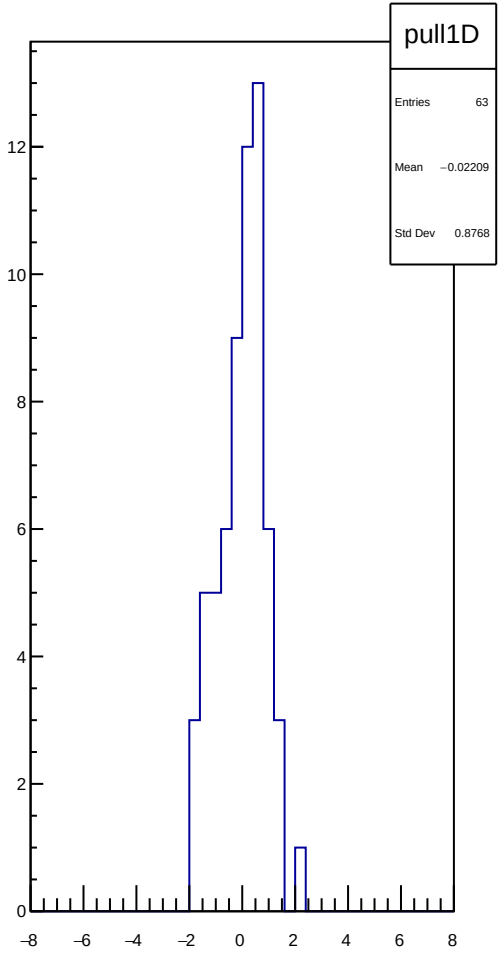

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.035e+04 / 62
p0 35.21 ± 0.03227
90
80
70
60
50
40
30

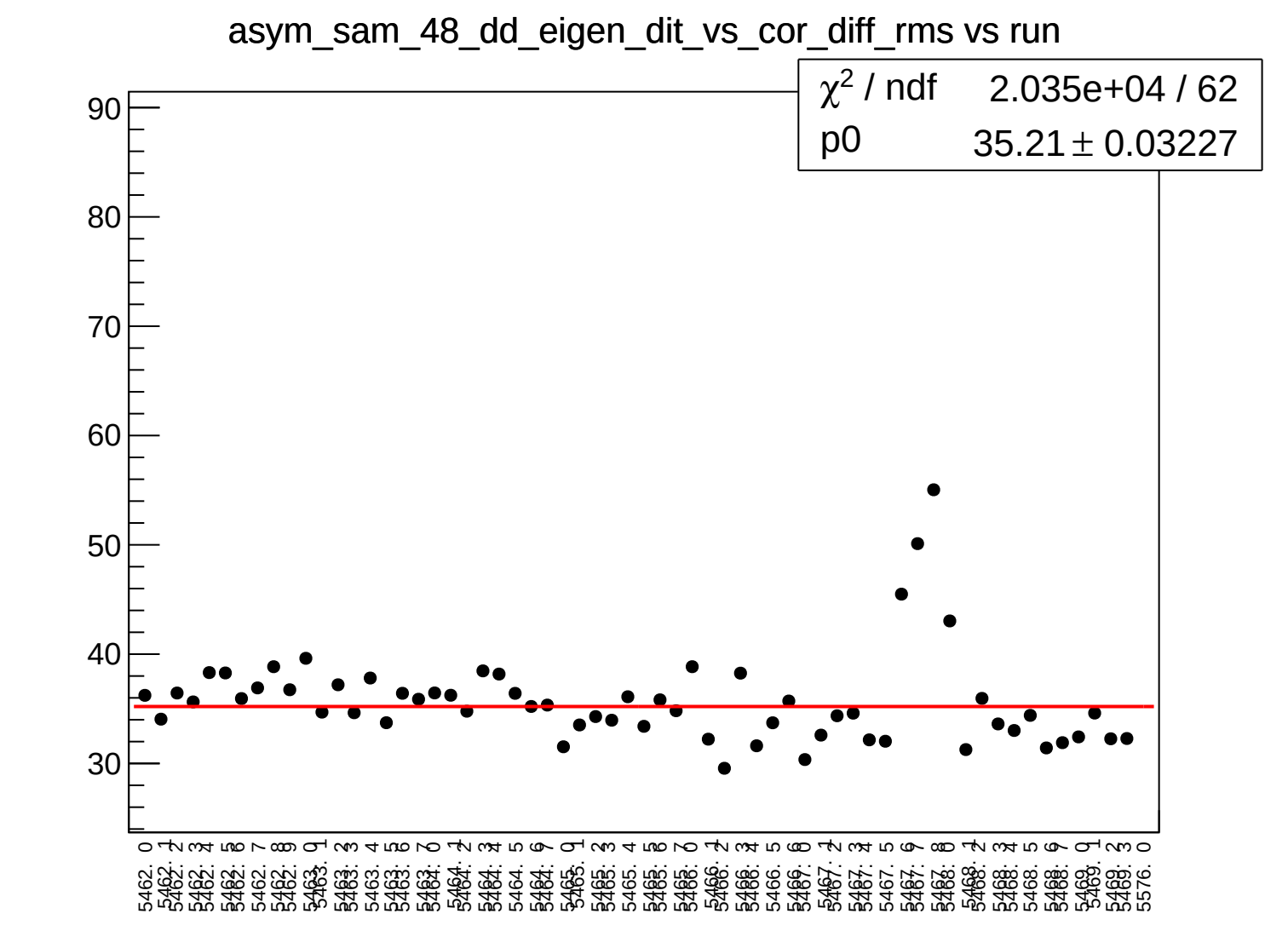

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.27 / 62
p0 1.32e−06 ± 3.619e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean 45.5
Std Dev 0
3
2
1
0
−1
−2

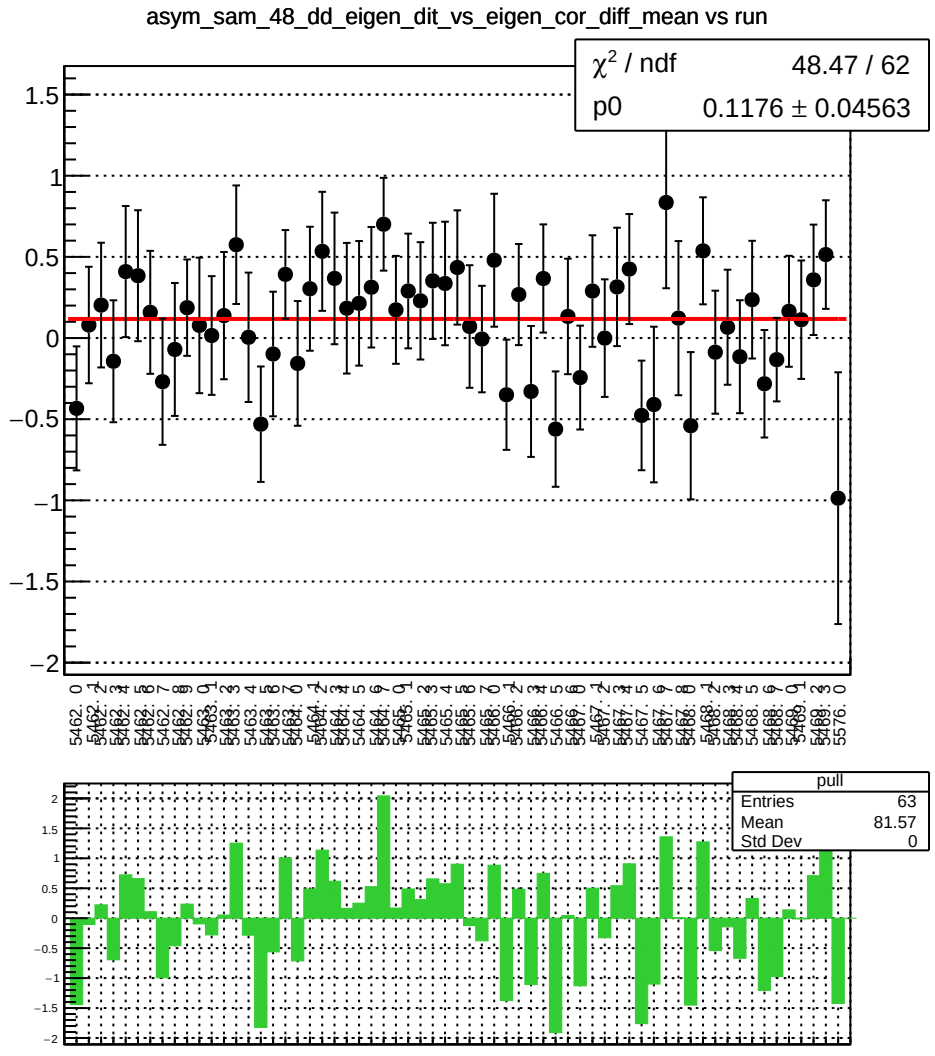

pull1D
Entries 63
Mean 0.01263
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

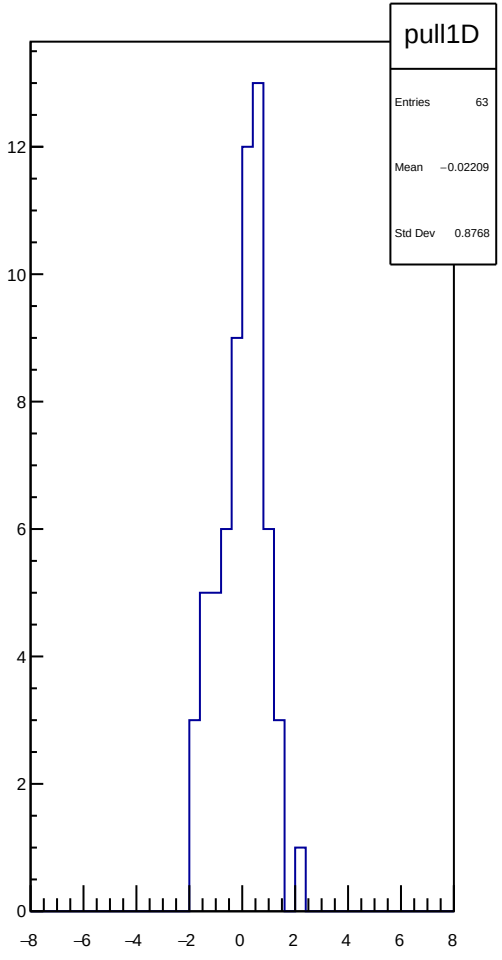

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 432.7 / 62
p0 0.002815 ± 2.559e−06
0.00295
0.0029
0.00285
0.0028
0.00275
0.0027

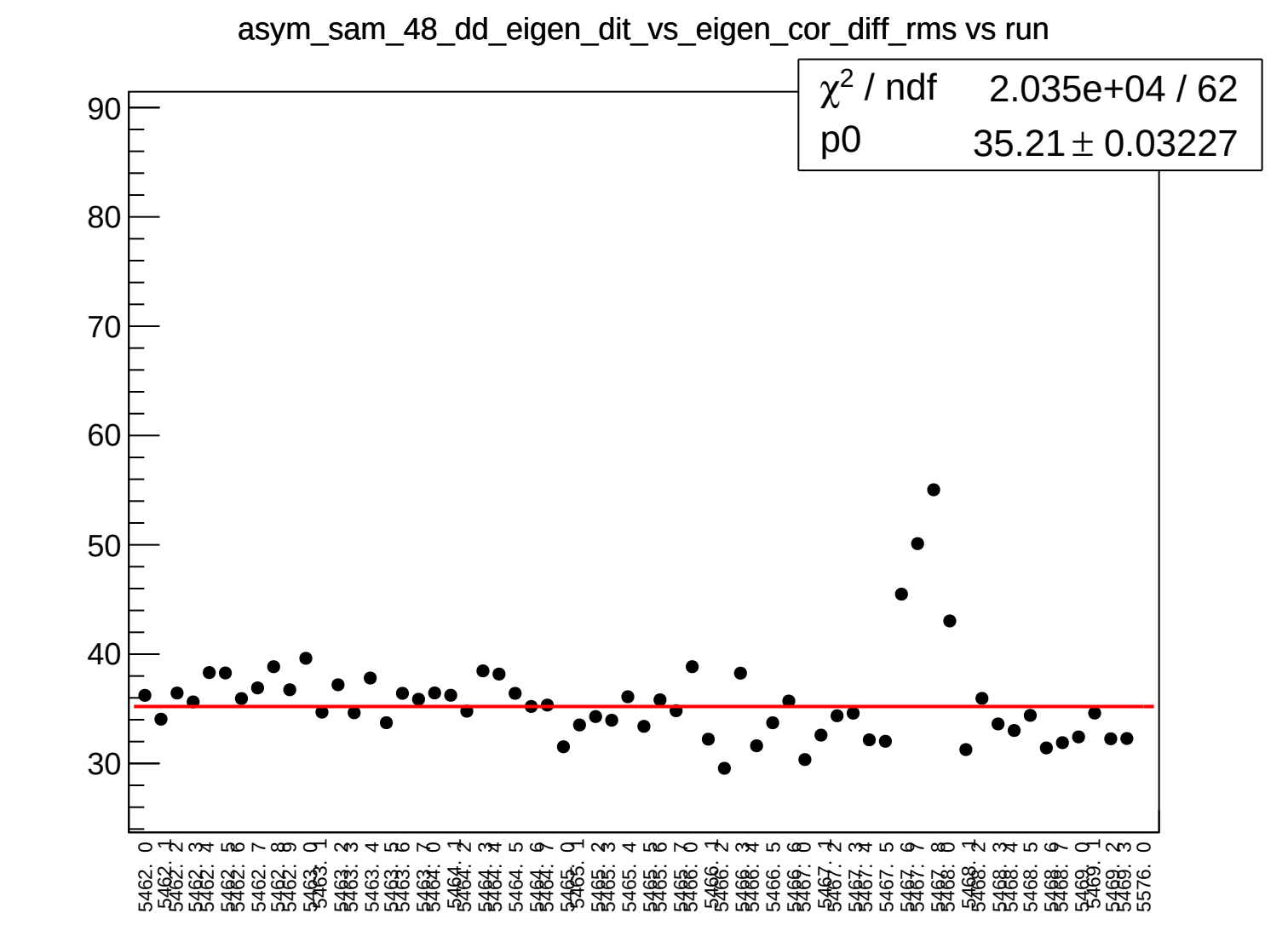

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.47 / 62
p0 0.1176 ± 0.04563
pull
Entries 63
Mean 81.57
Std Dev 0

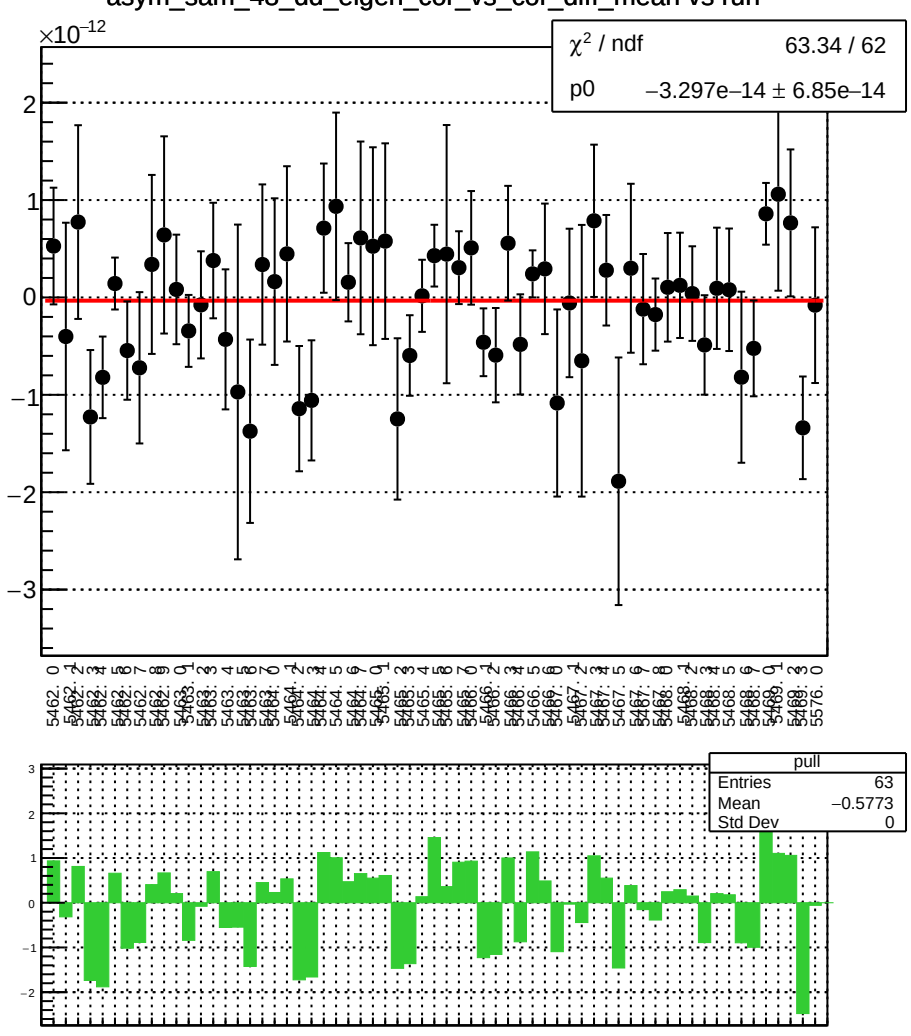

pull1D
Entries 63
Mean −0.02209
Std Dev 0.8768

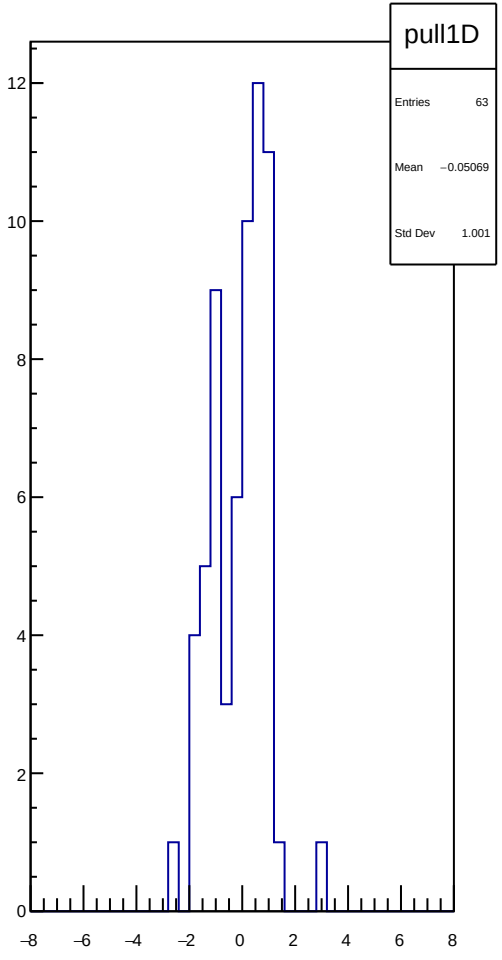

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.035e+04 / 62
p0 35.21 ± 0.03227
90
80
70
60
50
40
30

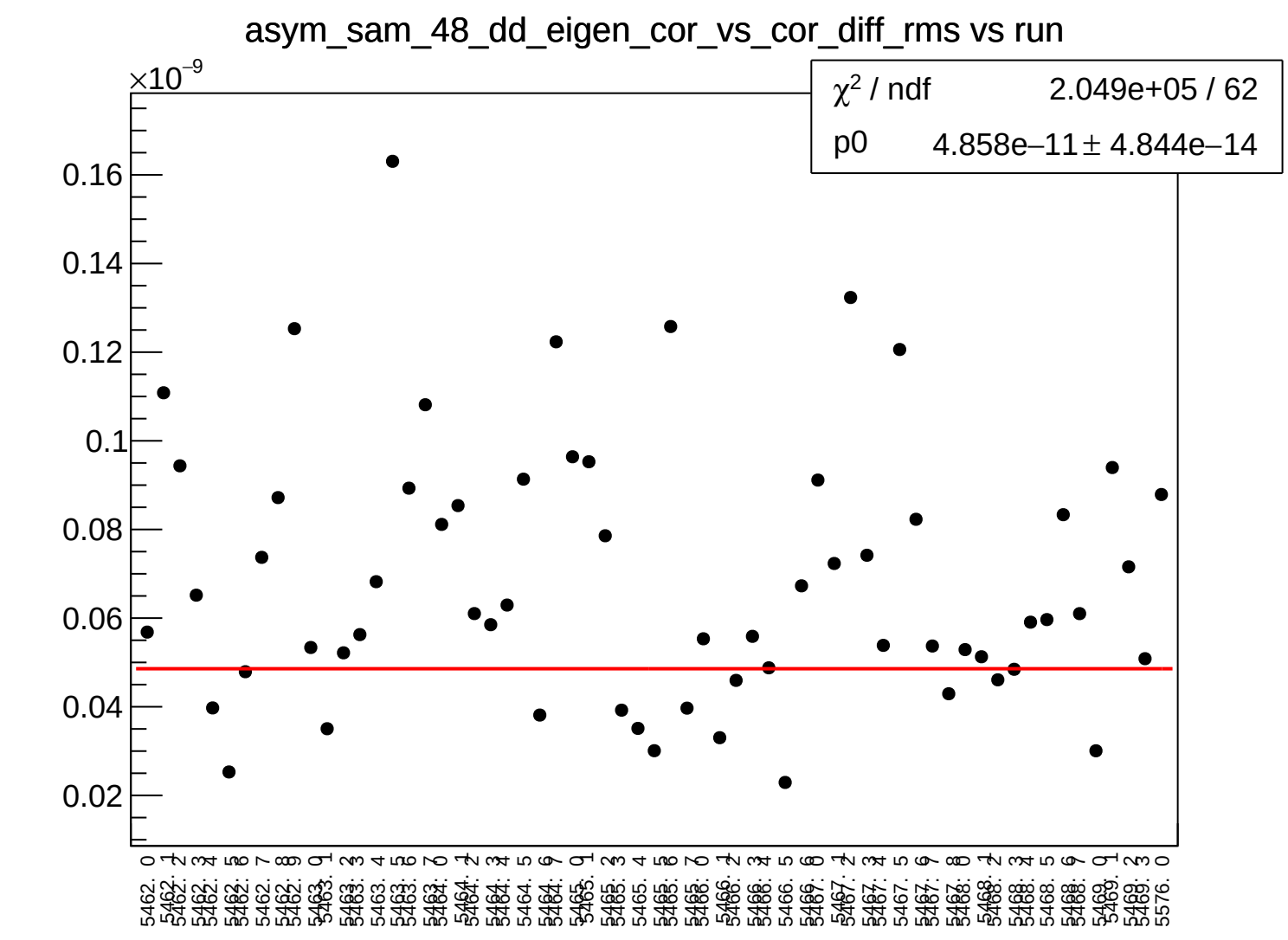

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.47 / 62
p0 0.1176 ± 0.04563
pull
Entries 63
Mean 81.57
Std Dev 0

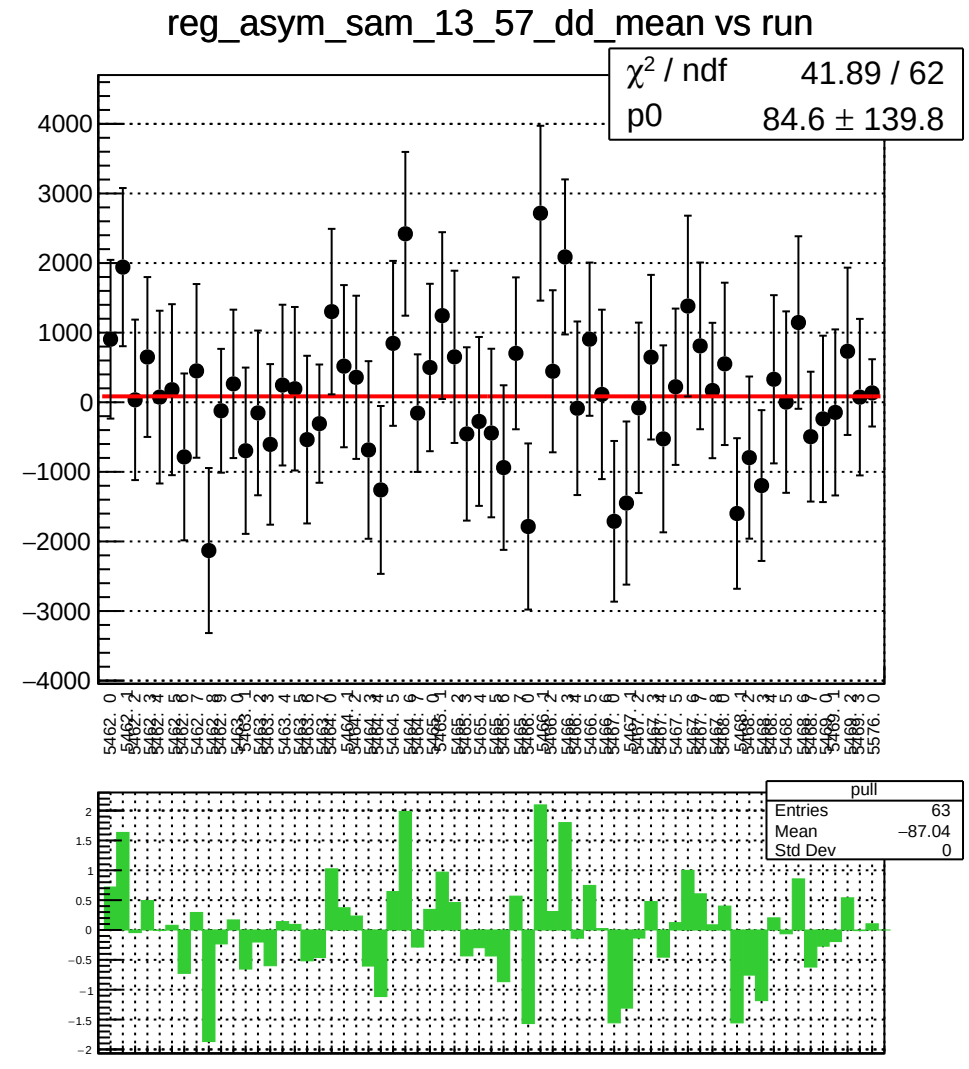

pull1D
Entries 63
Mean −0.02209
Std Dev 0.8768

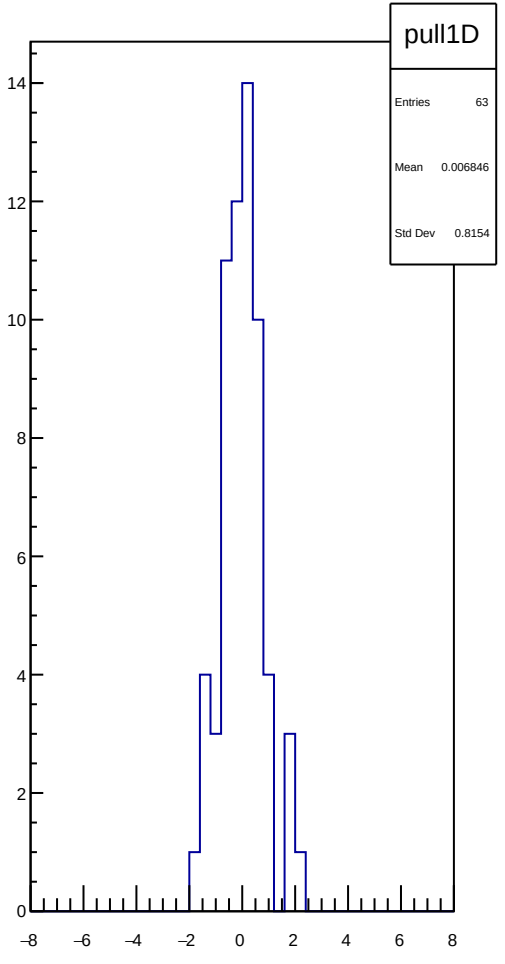

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.035e+04 / 62
p0 35.21 ± 0.03227
90
80
70
60
50
40
30

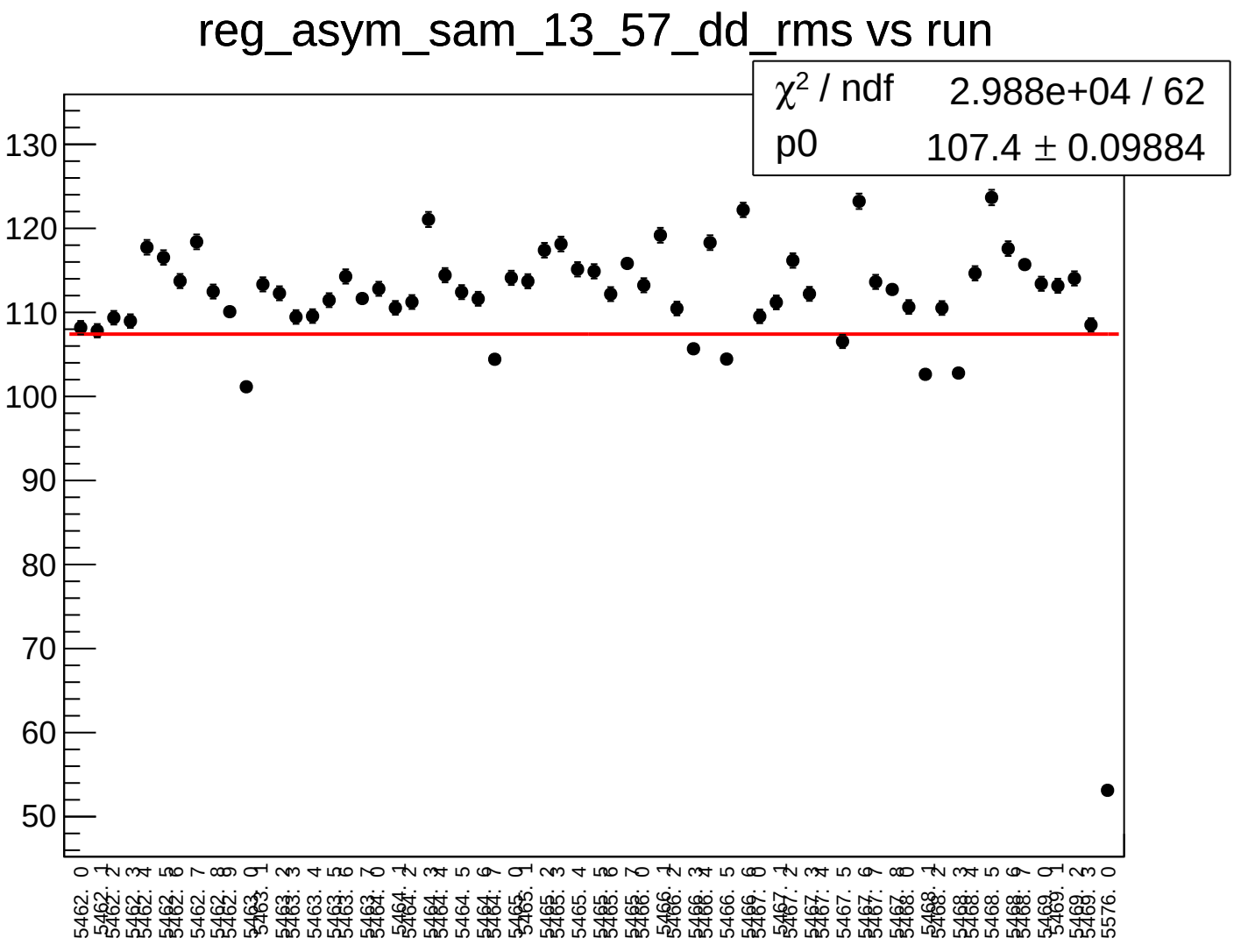

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.34 / 62
p0 −3.297e−14 ± 6.85e−14
pull
Entries 63
Mean −0.5773
Std Dev 0

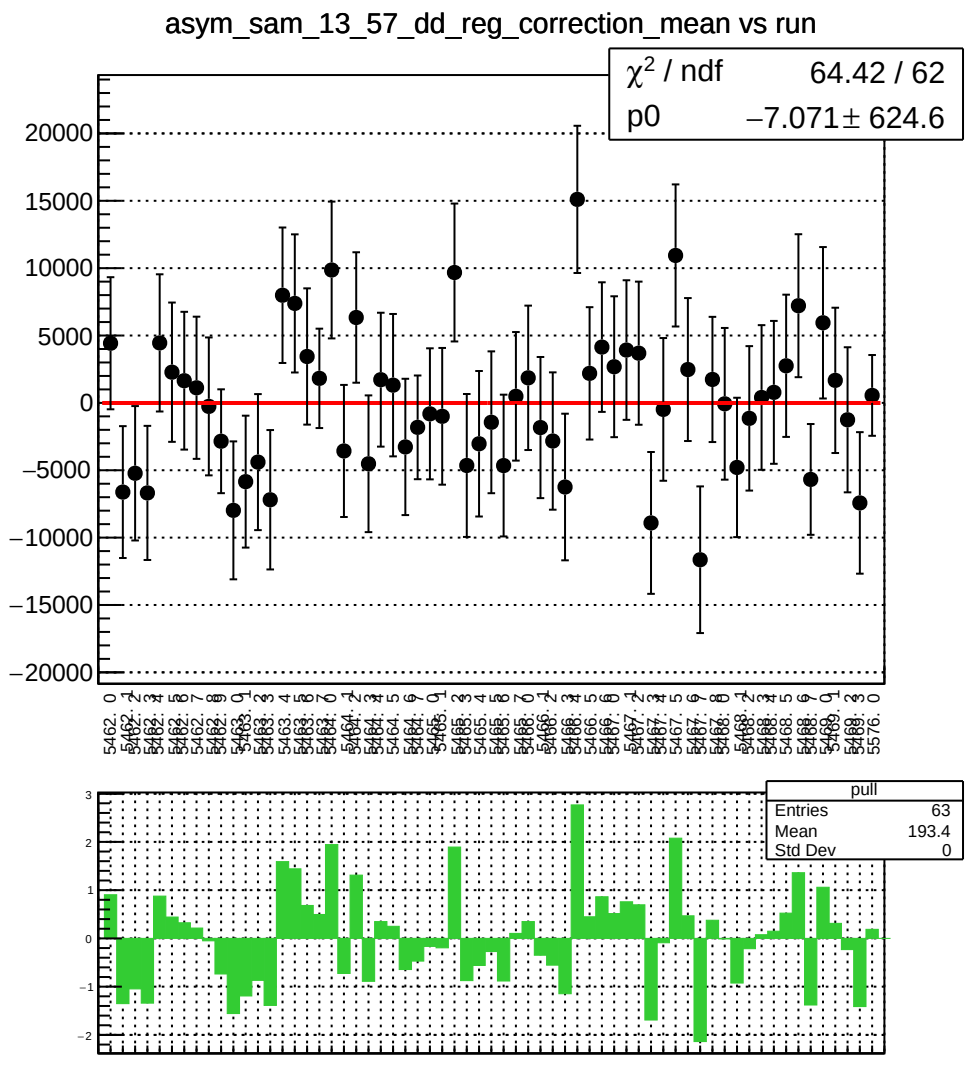

pull1D
Entries 63
Mean −0.05069
Std Dev 1.001

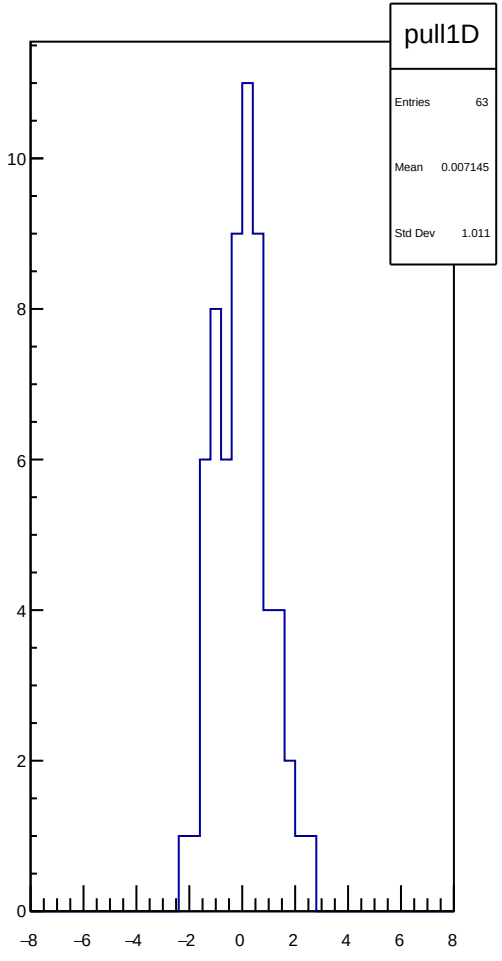

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.049e+05 / 62
p0 4.858e−11 ± 4.844e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

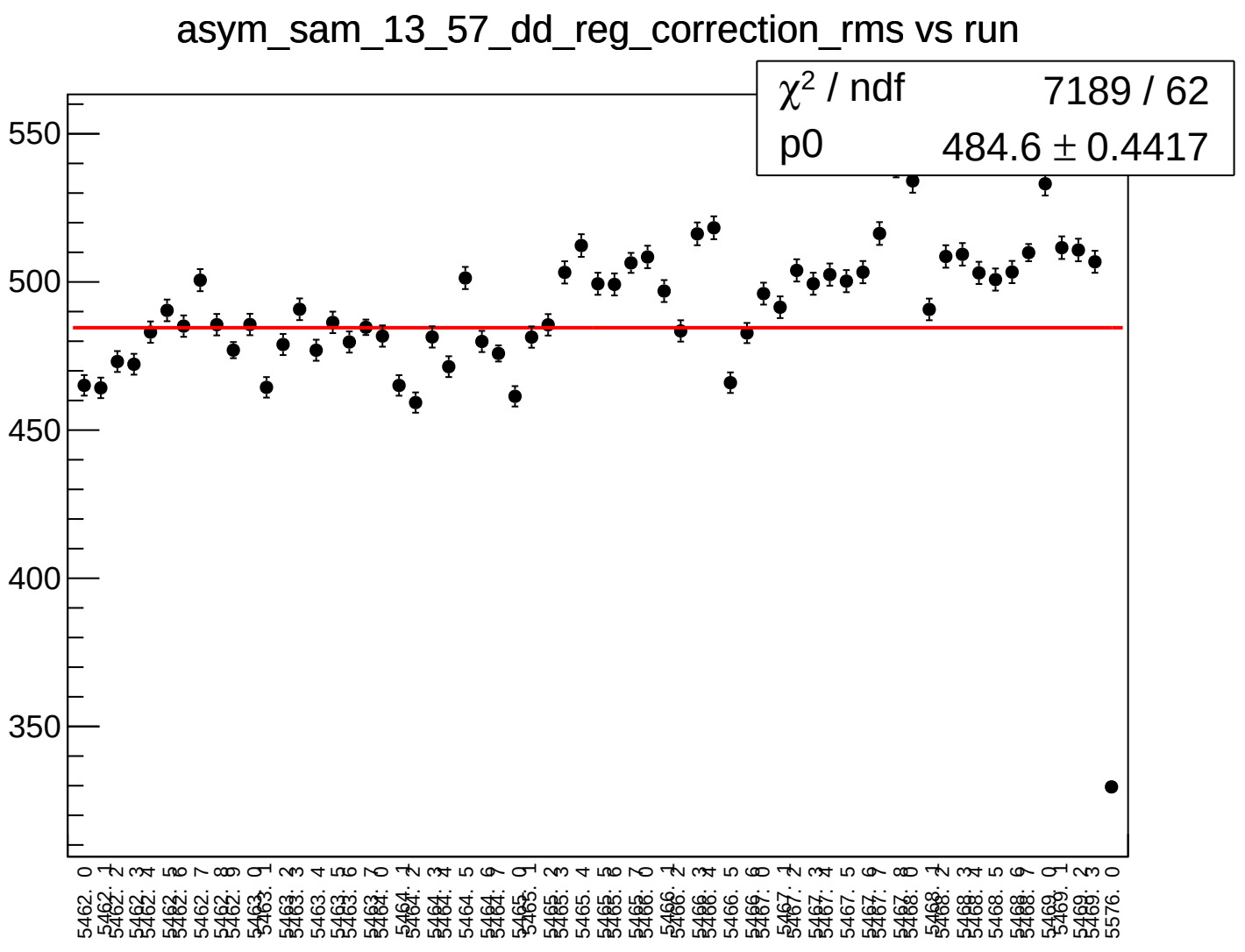

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.89 / 62
p0 84.6 ± 139.8
pull
Entries 63
Mean −87.04
Std Dev 0

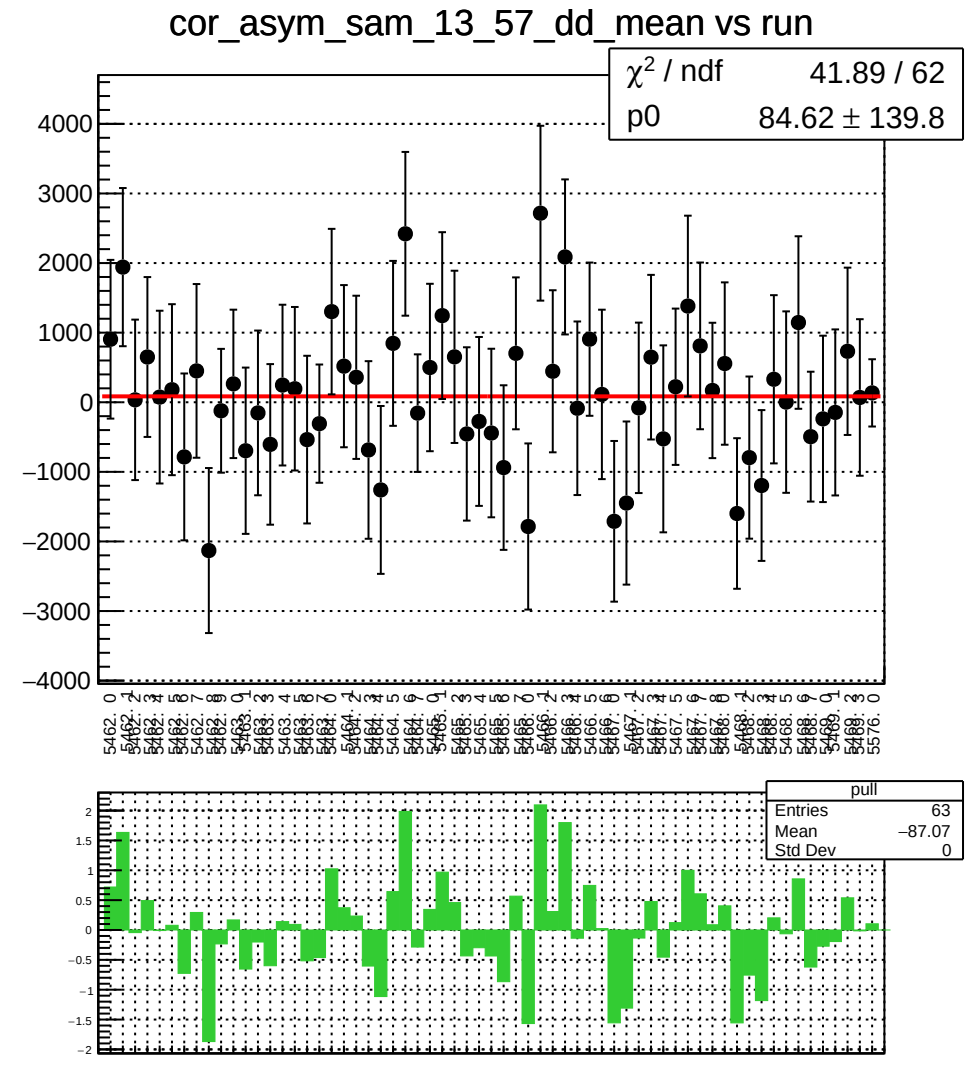

pull1D
Entries 63
Mean 0.006846
Std Dev 0.8154

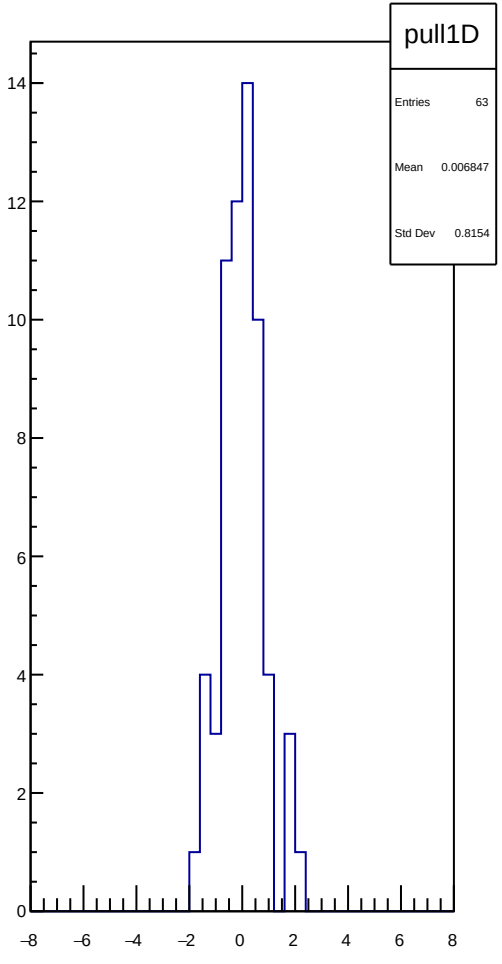

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.988e+04 / 62
p0 107.4 ± 0.09884
130
120
110
100
90
80
70
60
50

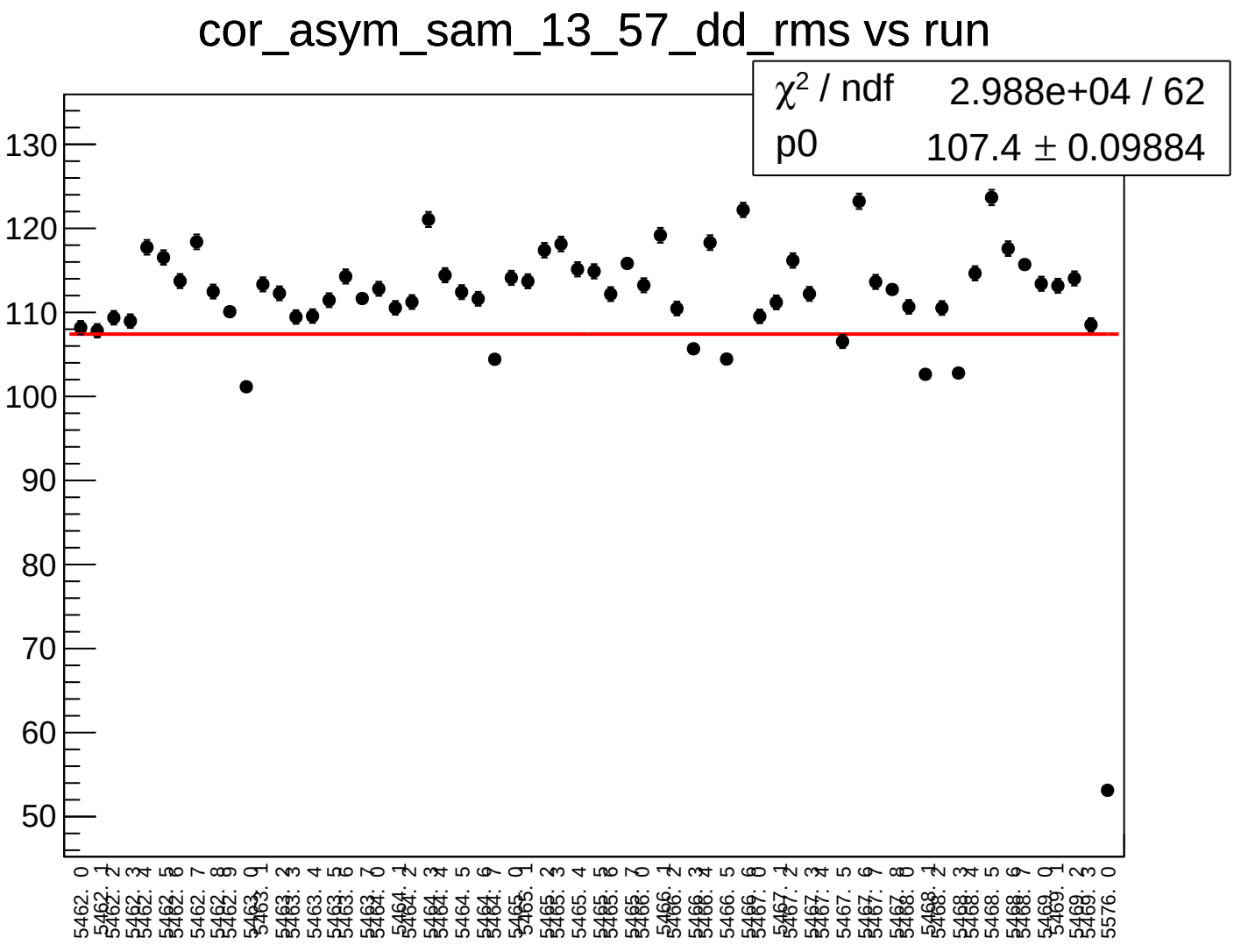

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 64.42 / 62
p0 −7.071± 624.6
pull
Entries 63
Mean 193.4
Std Dev 0

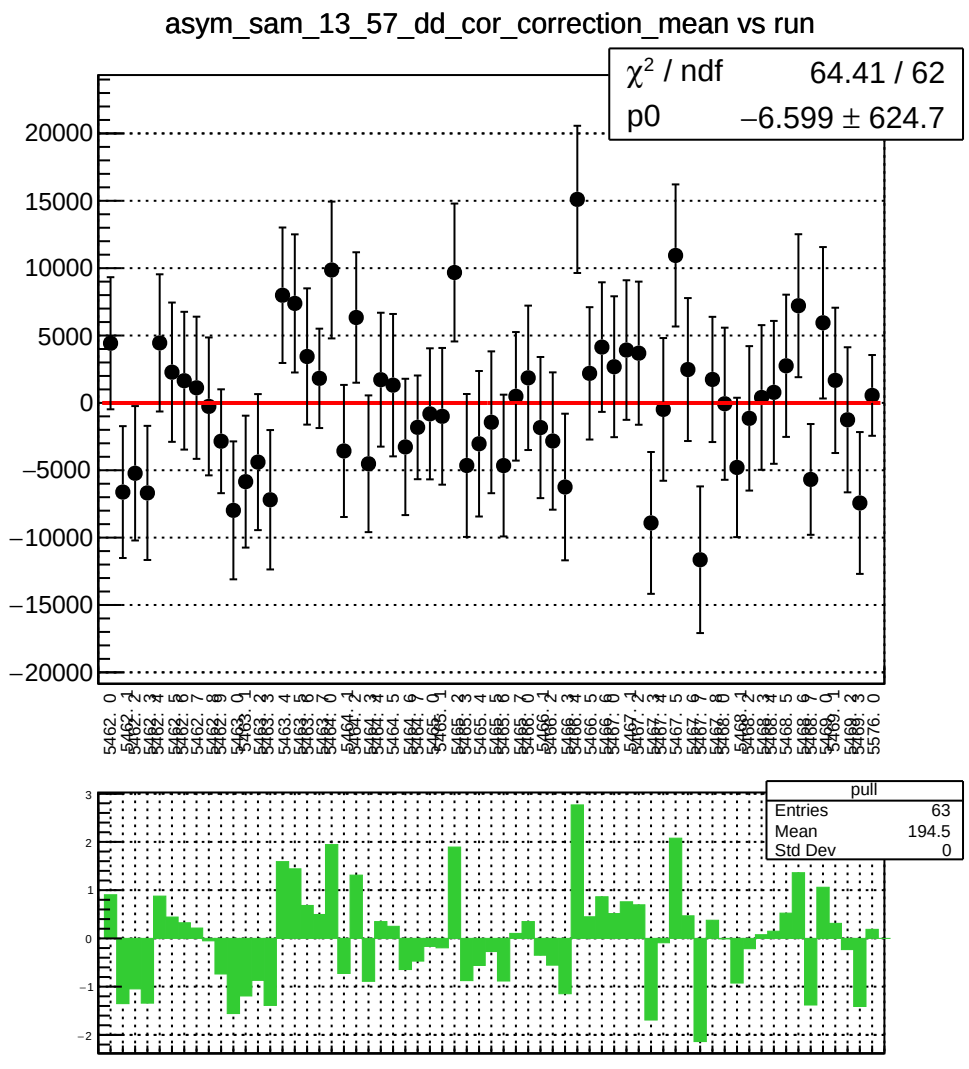

pull1D
Entries 63
Mean 0.007145
Std Dev 1.011

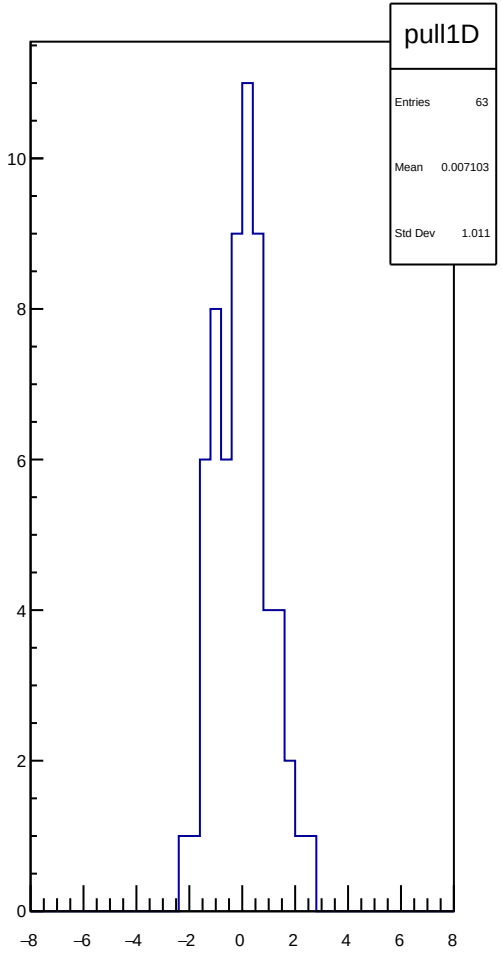

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 7189 / 62
p0 484.6 ± 0.4417
550
500
450
400
350

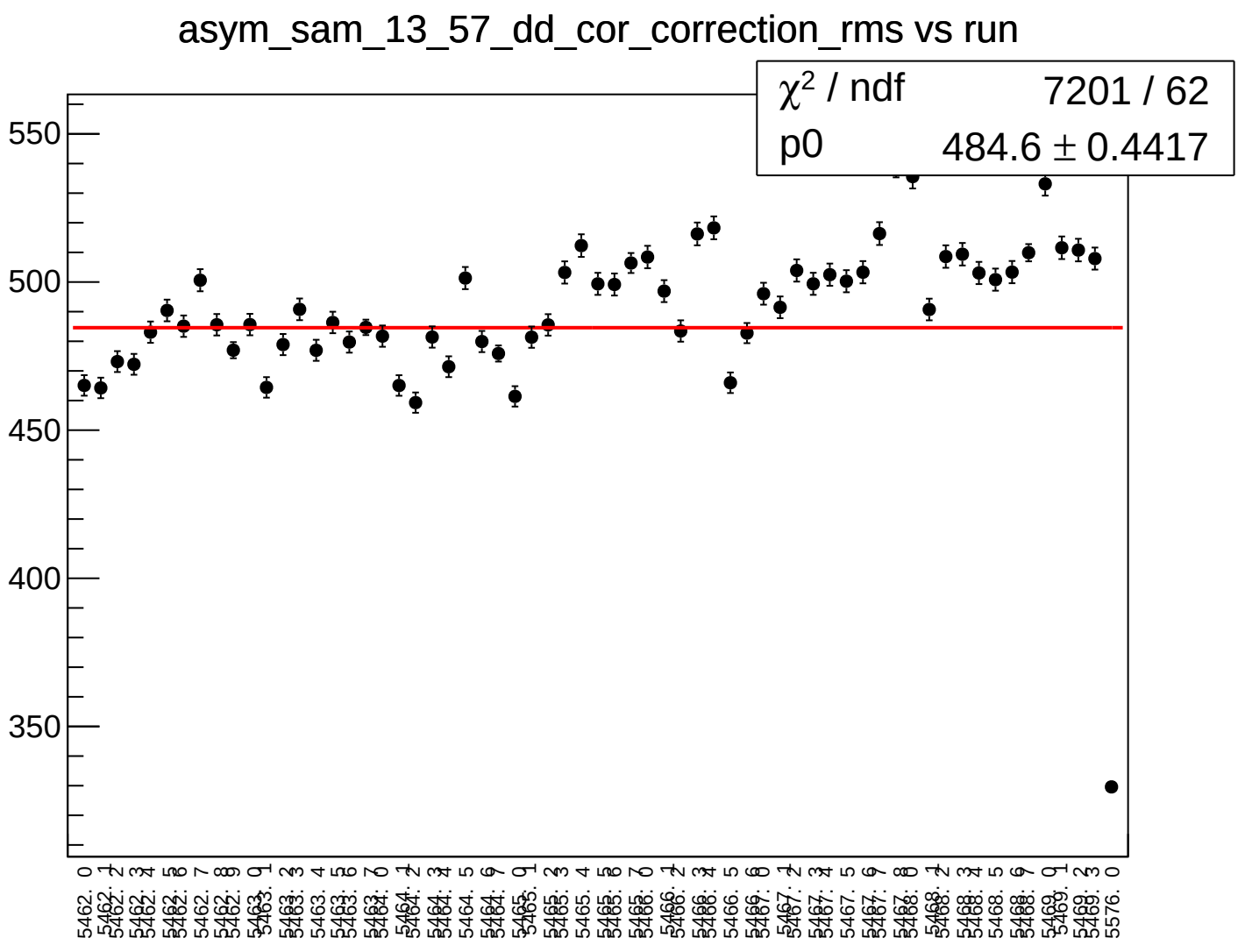

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.89 / 62
p0 84.62 ± 139.8
pull
Entries 63
Mean −87.07
Std Dev 0

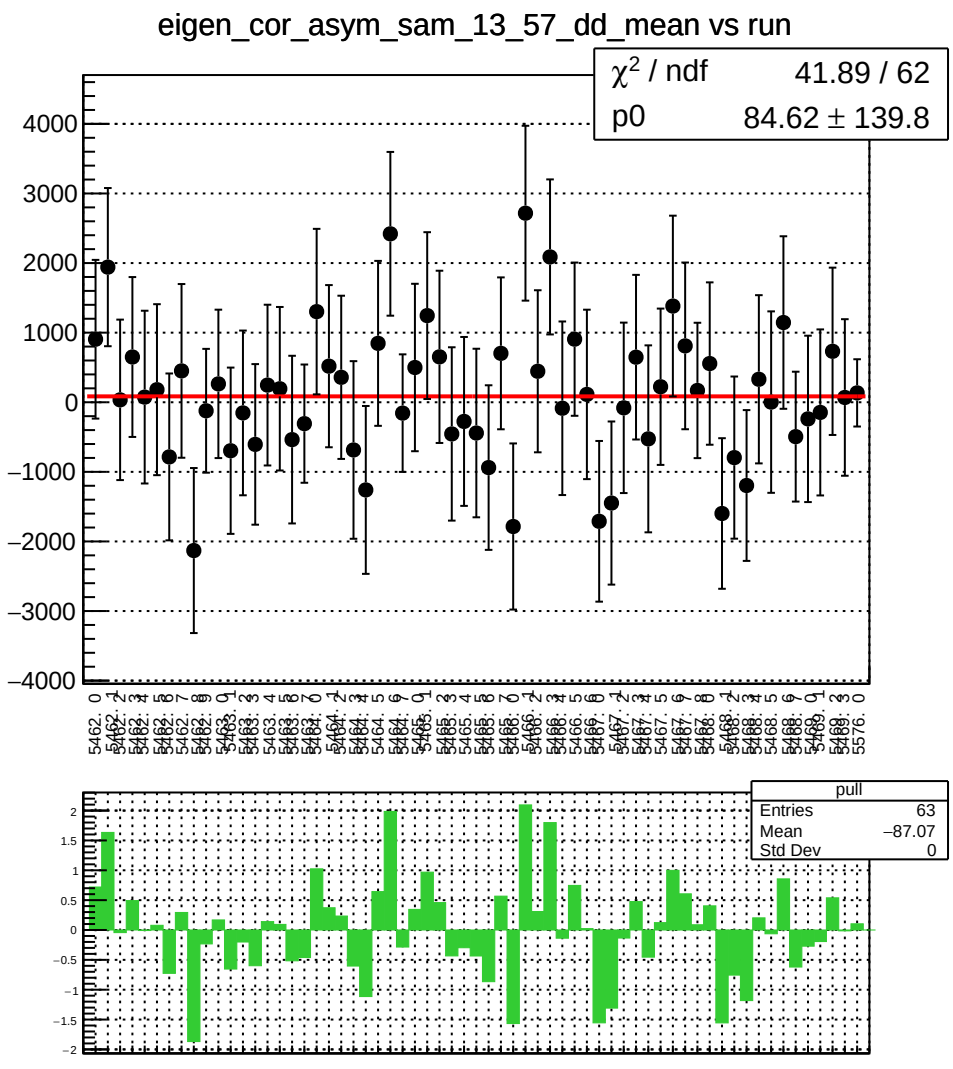

pull1D
Entries 63
Mean 0.006847
Std Dev 0.8154

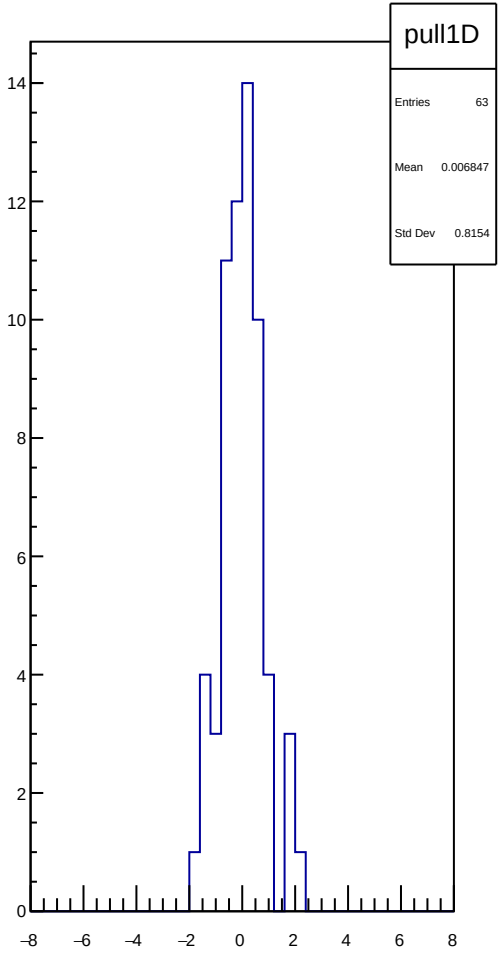

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.988e+04 / 62
p0 107.4 ± 0.09884
130
120
110
100
90
80
70
60
50

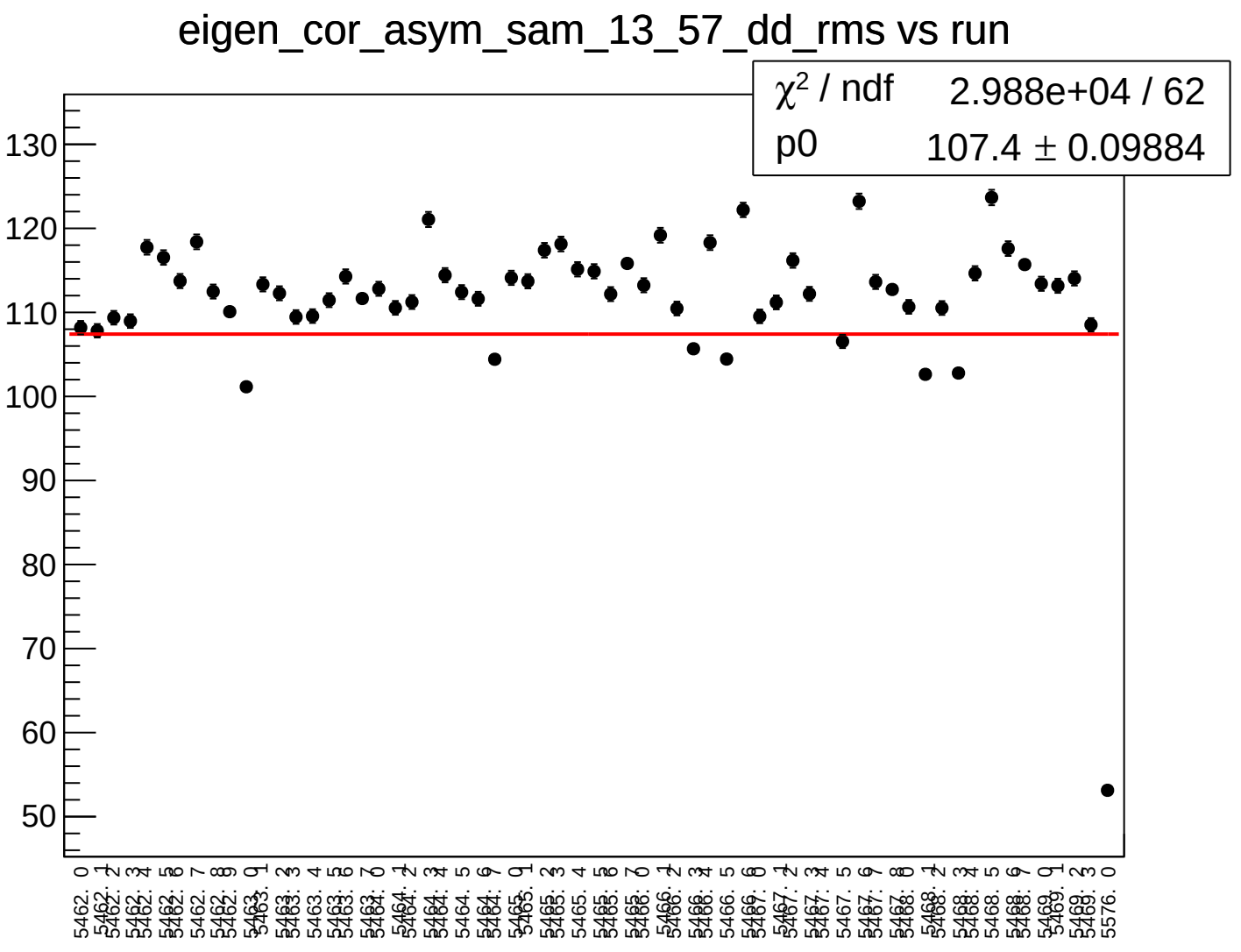

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 64.41 / 62
p0 −6.599 ± 624.7
pull
Entries 63
Mean 194.5
Std Dev 0

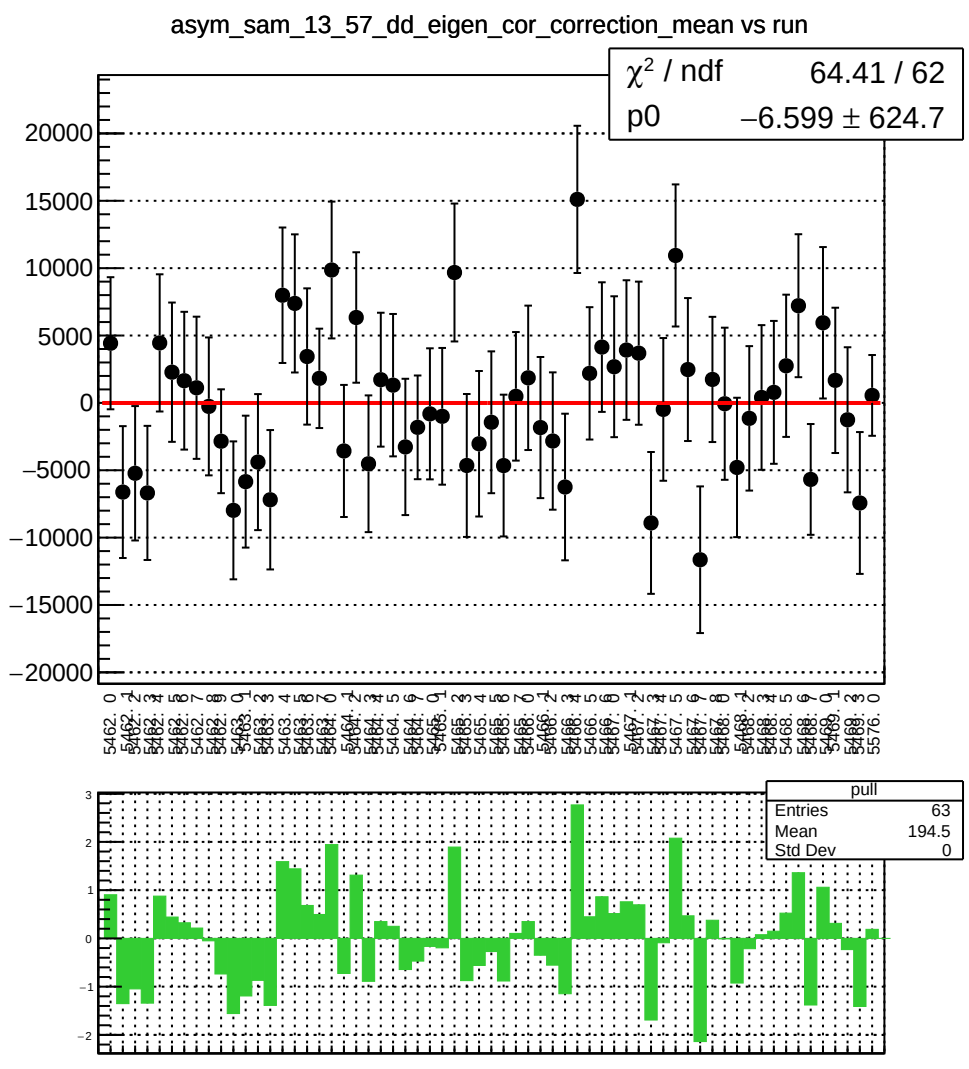

pull1D
Entries 63
Mean 0.007103
Std Dev 1.011

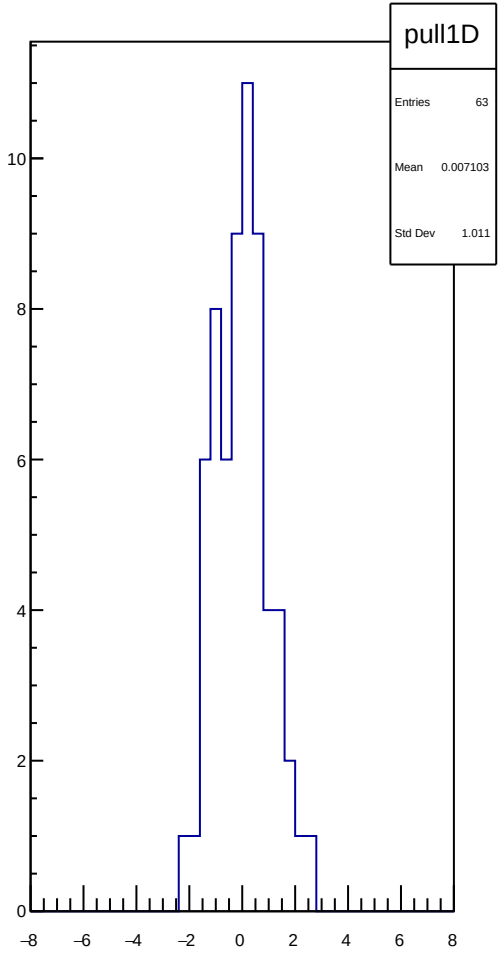

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 7201 / 62
p0 484.6 ± 0.4417
550
500
450
400
350

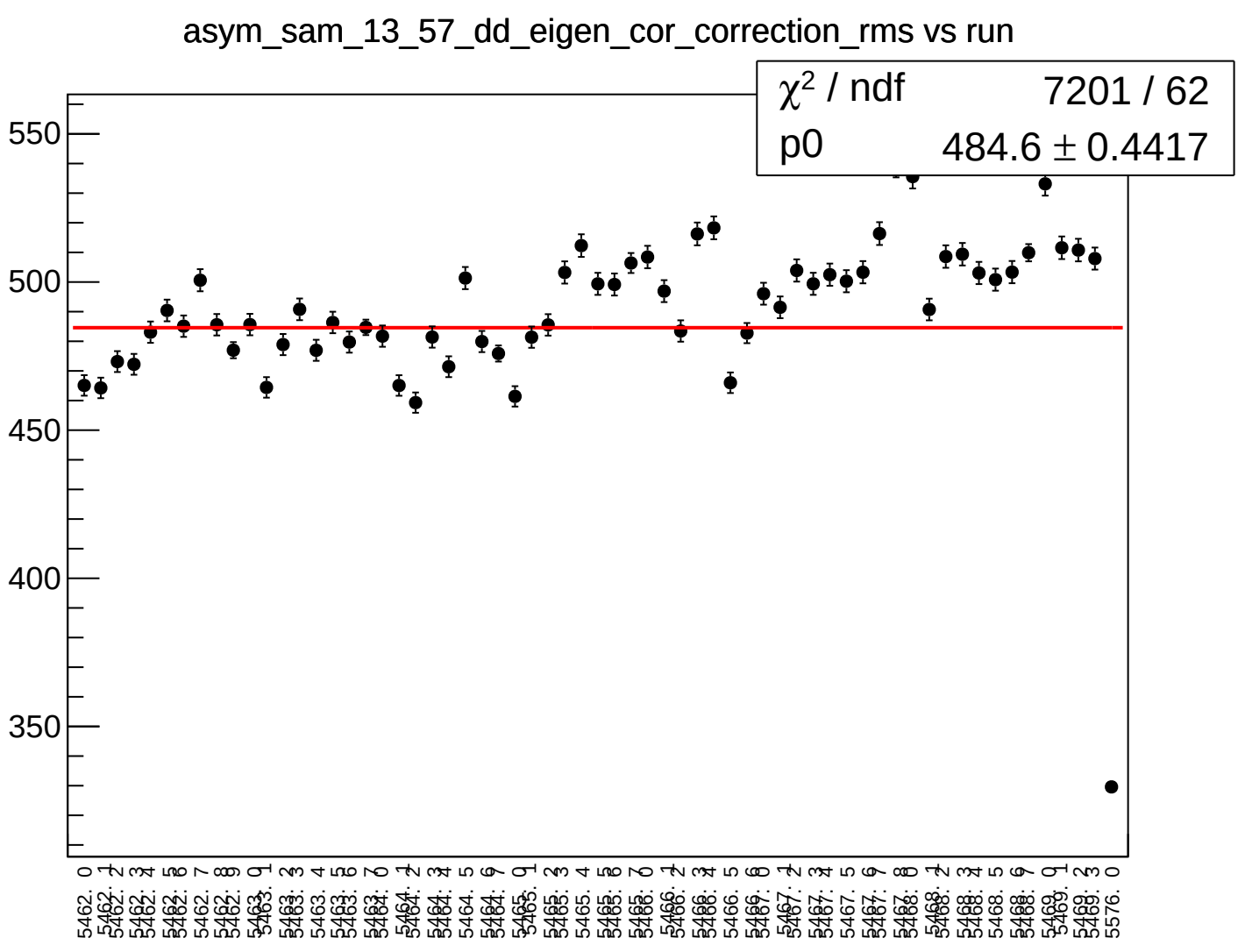

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.89 / 62
p0 84.62 ± 139.8
pull
Entries 63
Mean −87.07
Std Dev 0

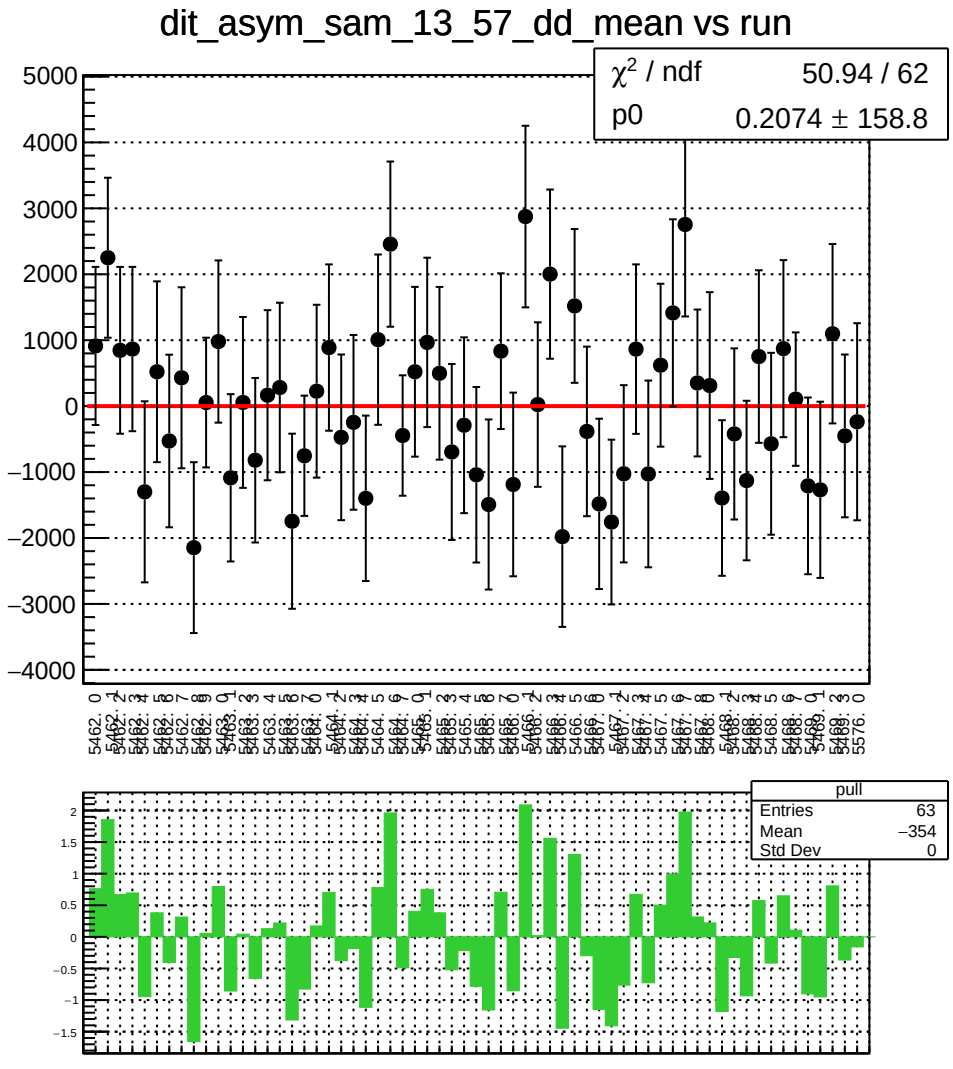

pull1D
Entries 63
Mean 0.006847
Std Dev 0.8154

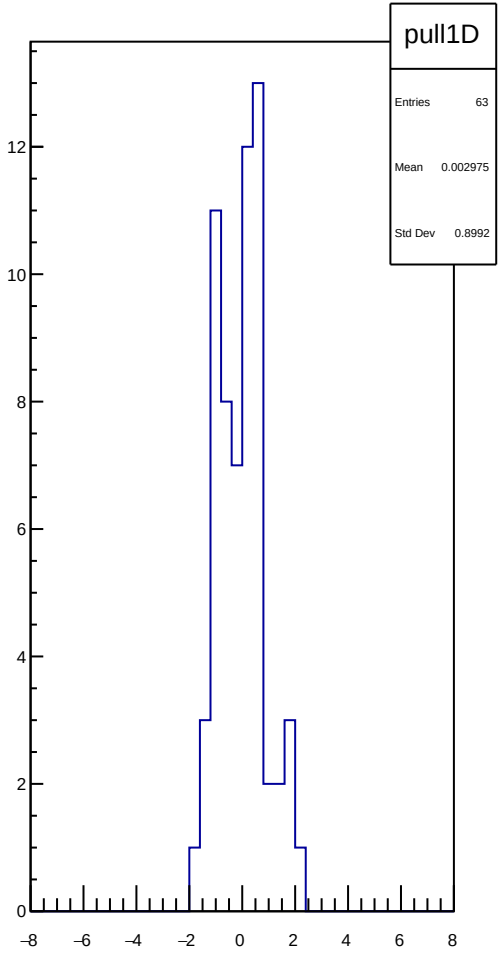

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.988e+04 / 62
p0 107.4 ± 0.09884
130
120
110
100
90
80
70
60
50
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

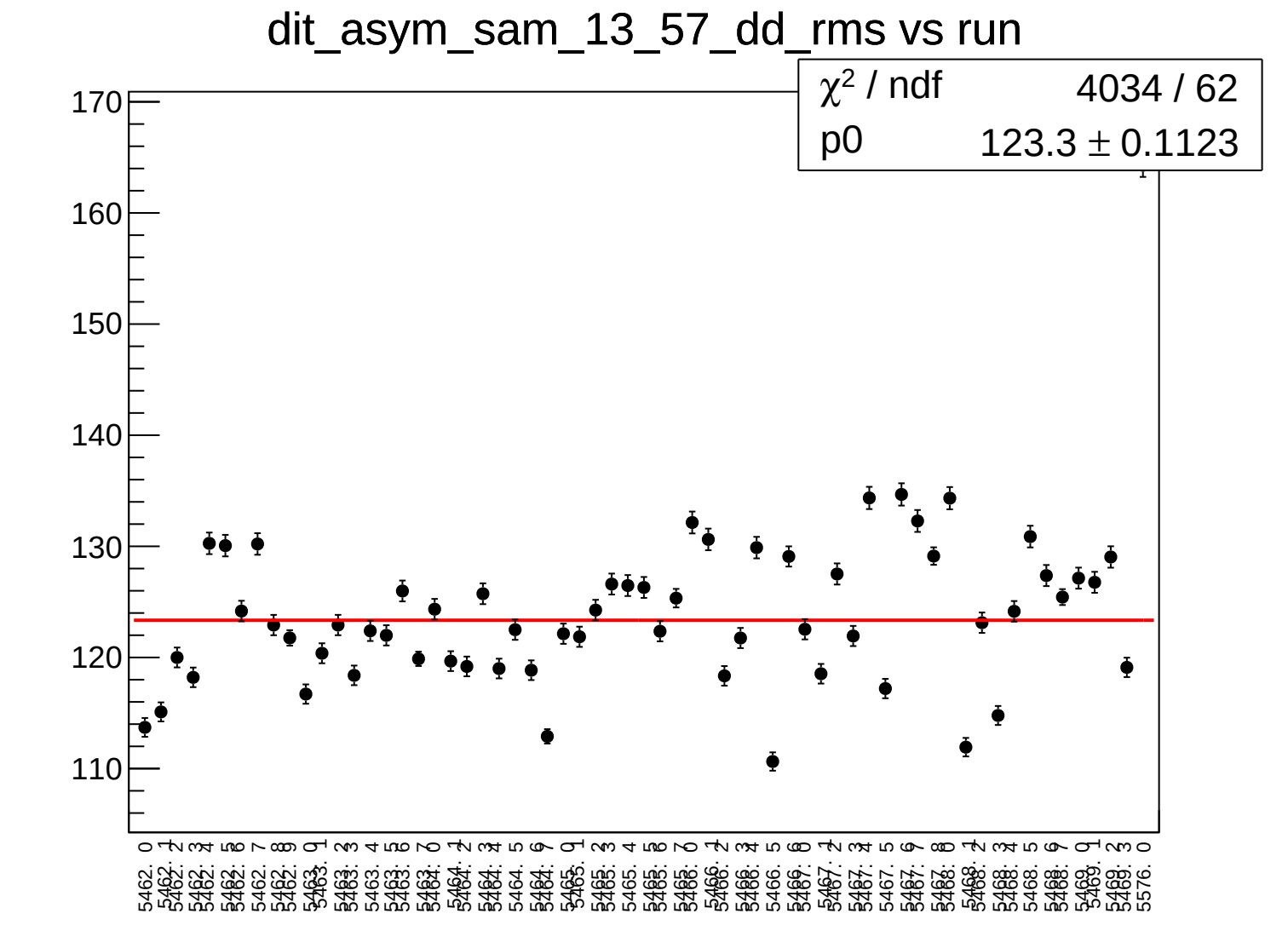

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.41 / 62
p0 −6.599 ± 624.7
pull
Entries 63
Mean 194.5
Std Dev 0

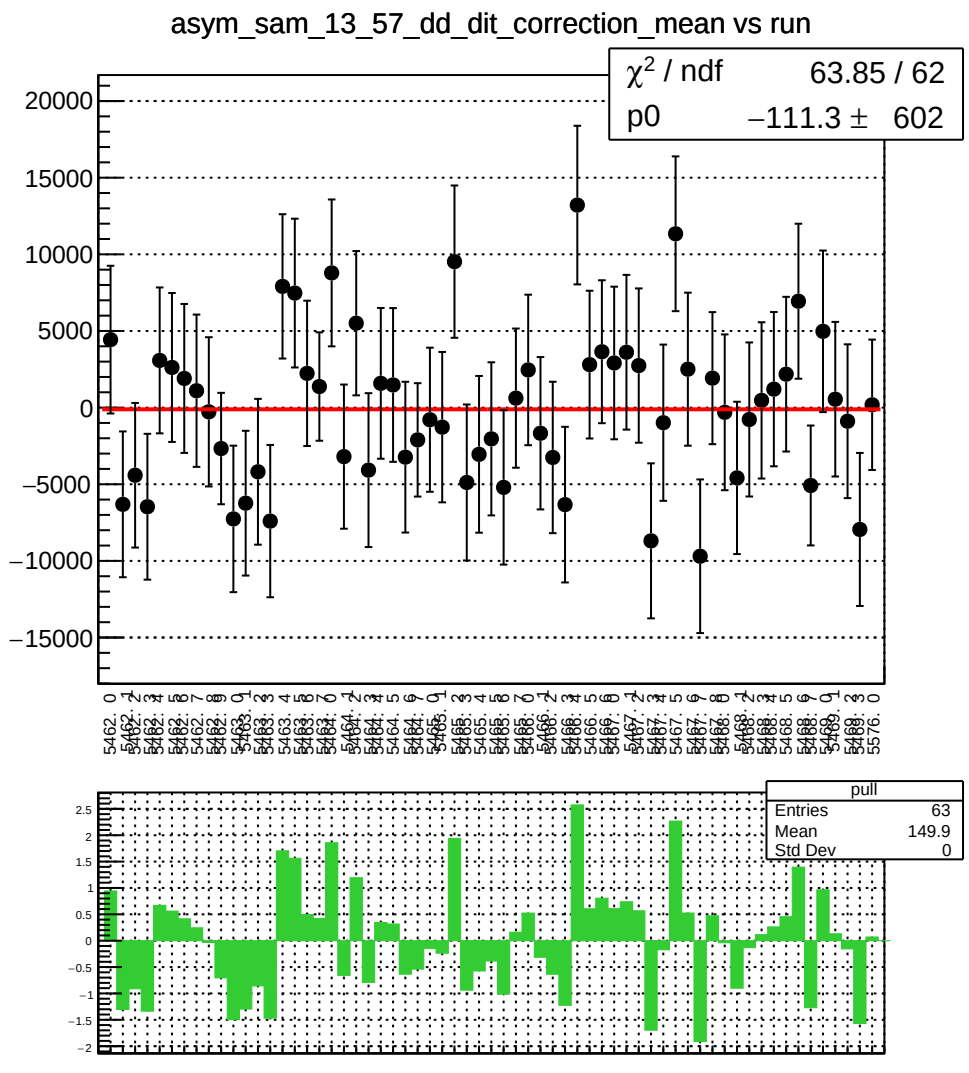

pull1D
Entries 63
Mean 0.007103
Std Dev 1.011

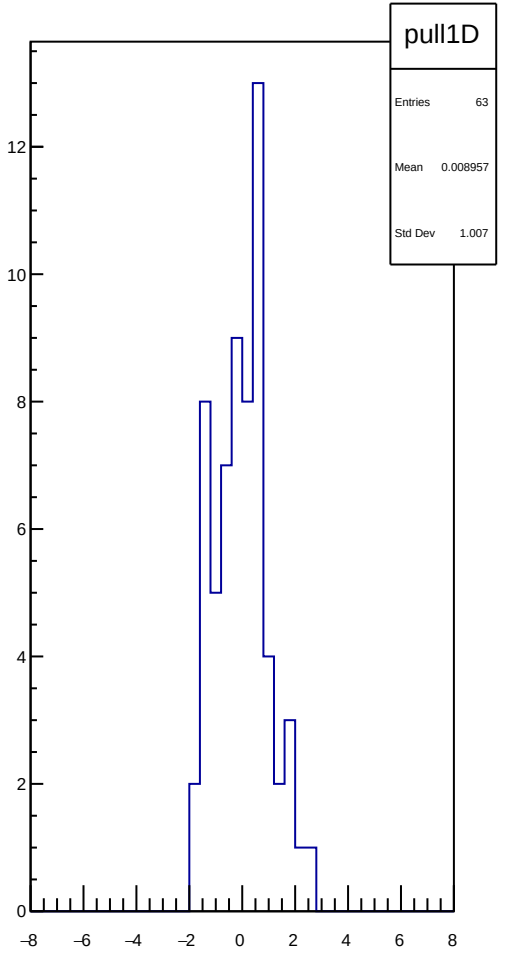

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 7201 / 62
p0 484.6 ± 0.4417
550
500
450
400
350

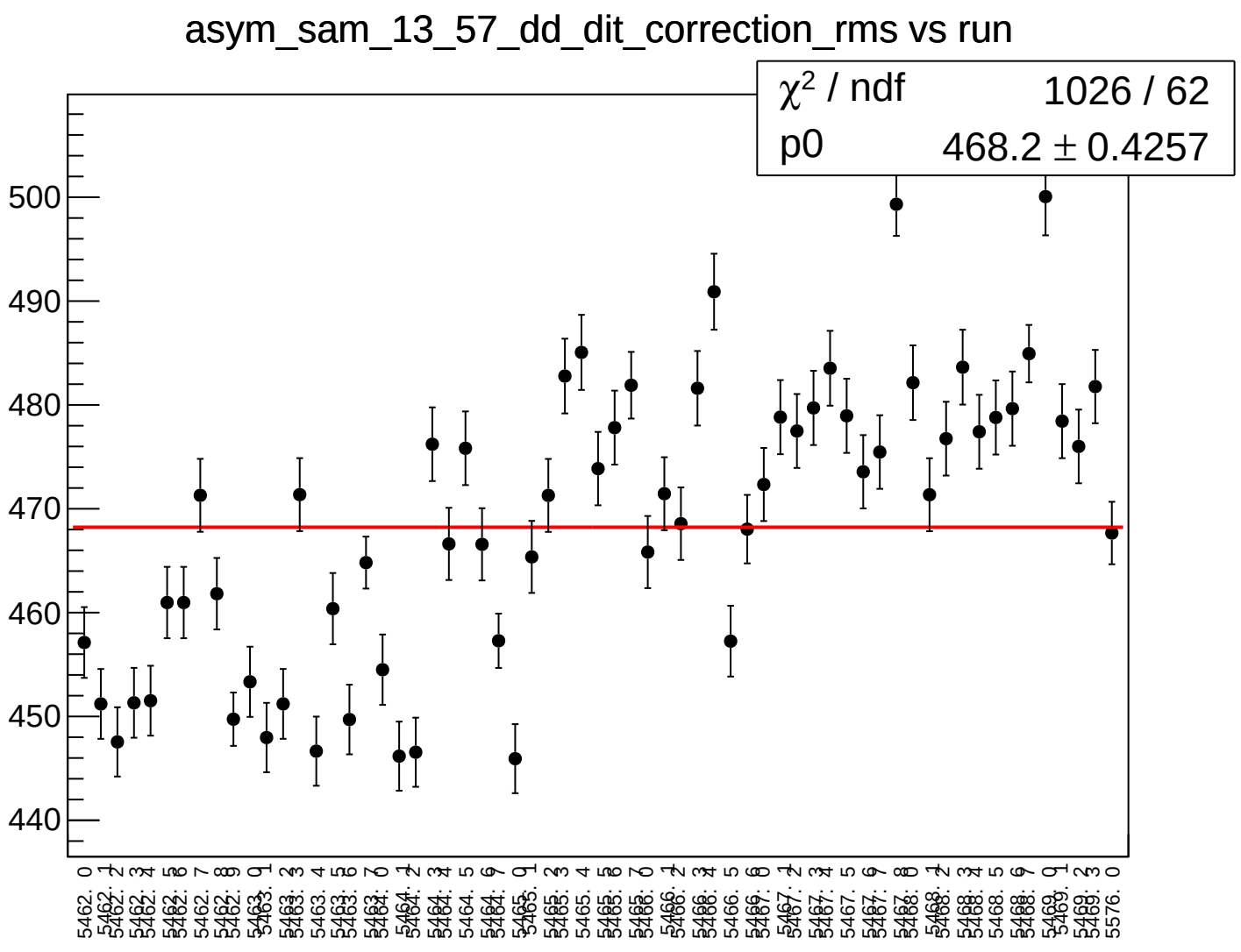

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 50.94 / 62
p0 0.2074 ± 158.8
pull
Entries 63
Mean −354
Std Dev 0

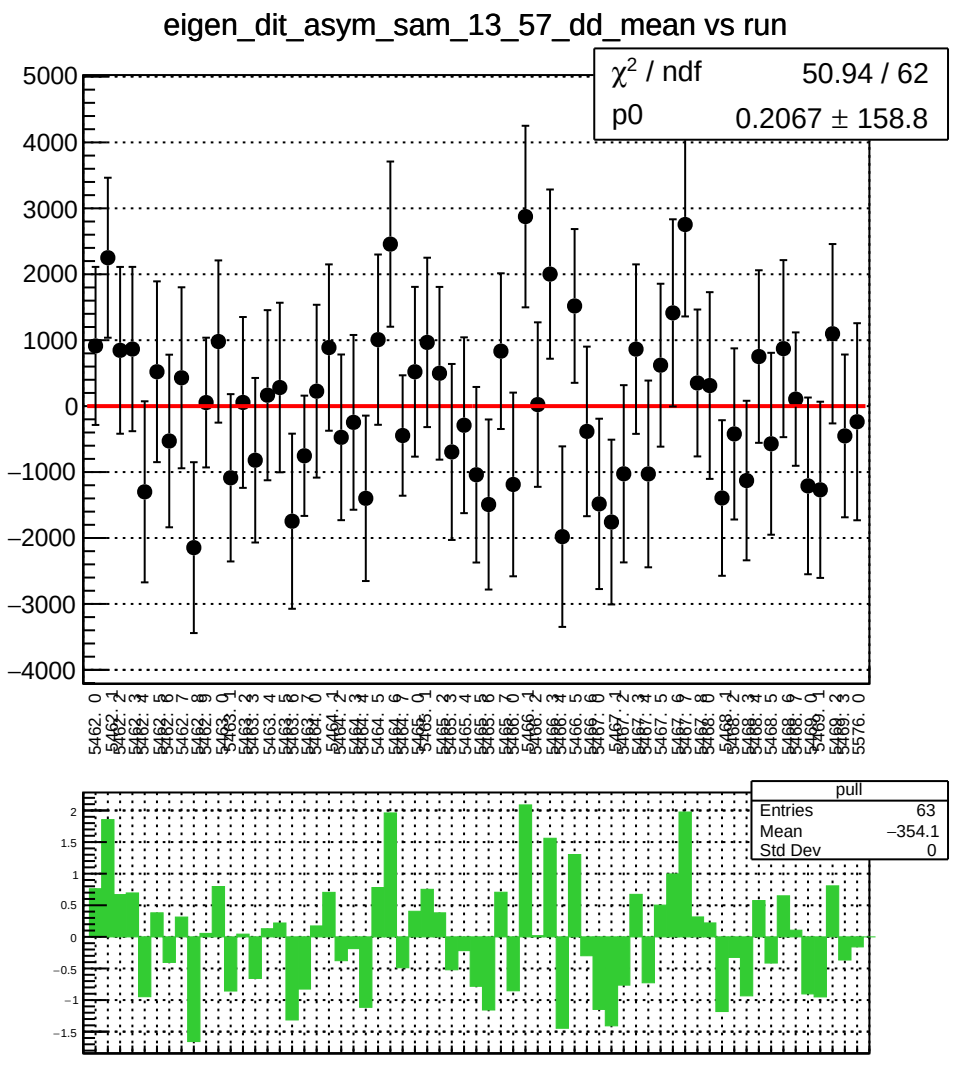

pull1D
Entries 63
Mean 0.002975
Std Dev 0.8992

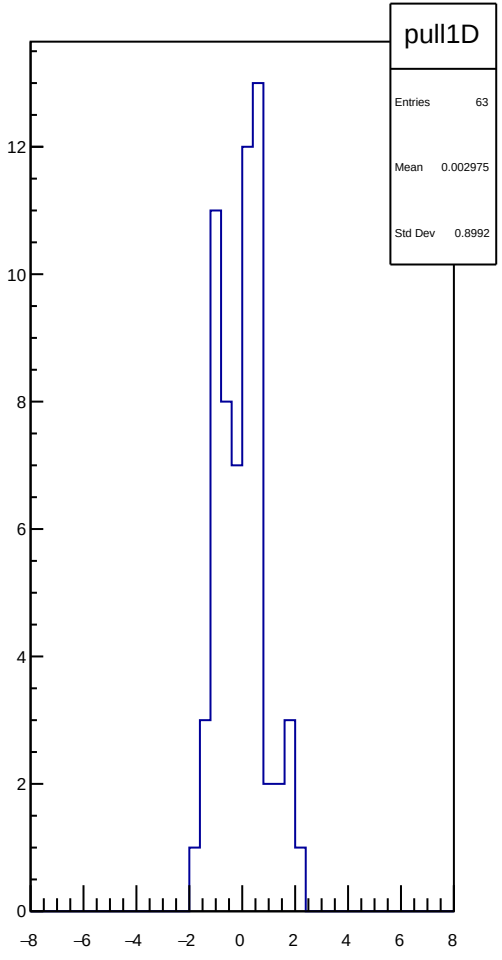

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4034 / 62
p0 123.3 ± 0.1123
170
160
150
140
130
120
110

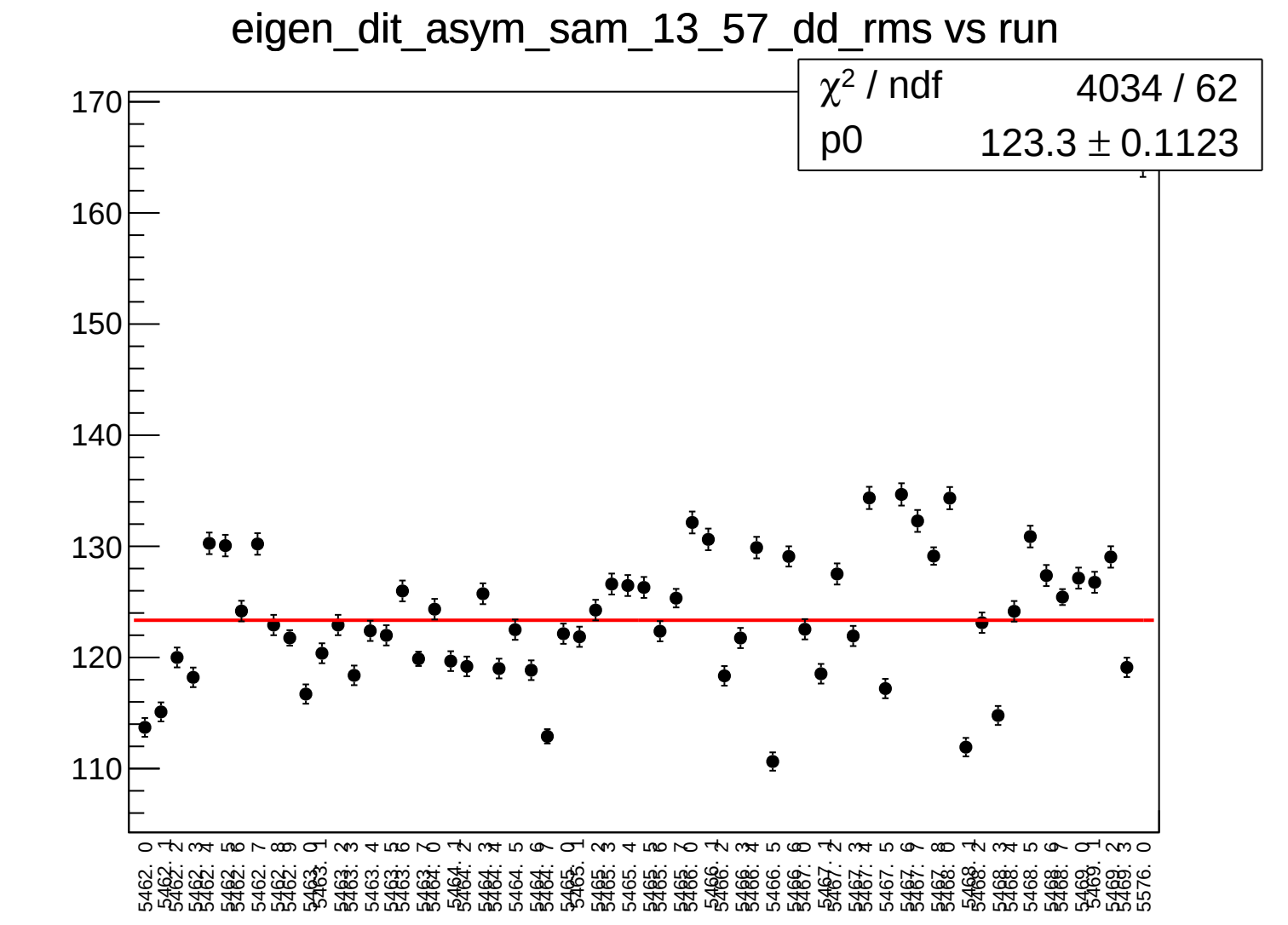

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 63.85 / 62
p0 −111.3 ± 602
pull
Entries 63
Mean 149.9
Std Dev 0

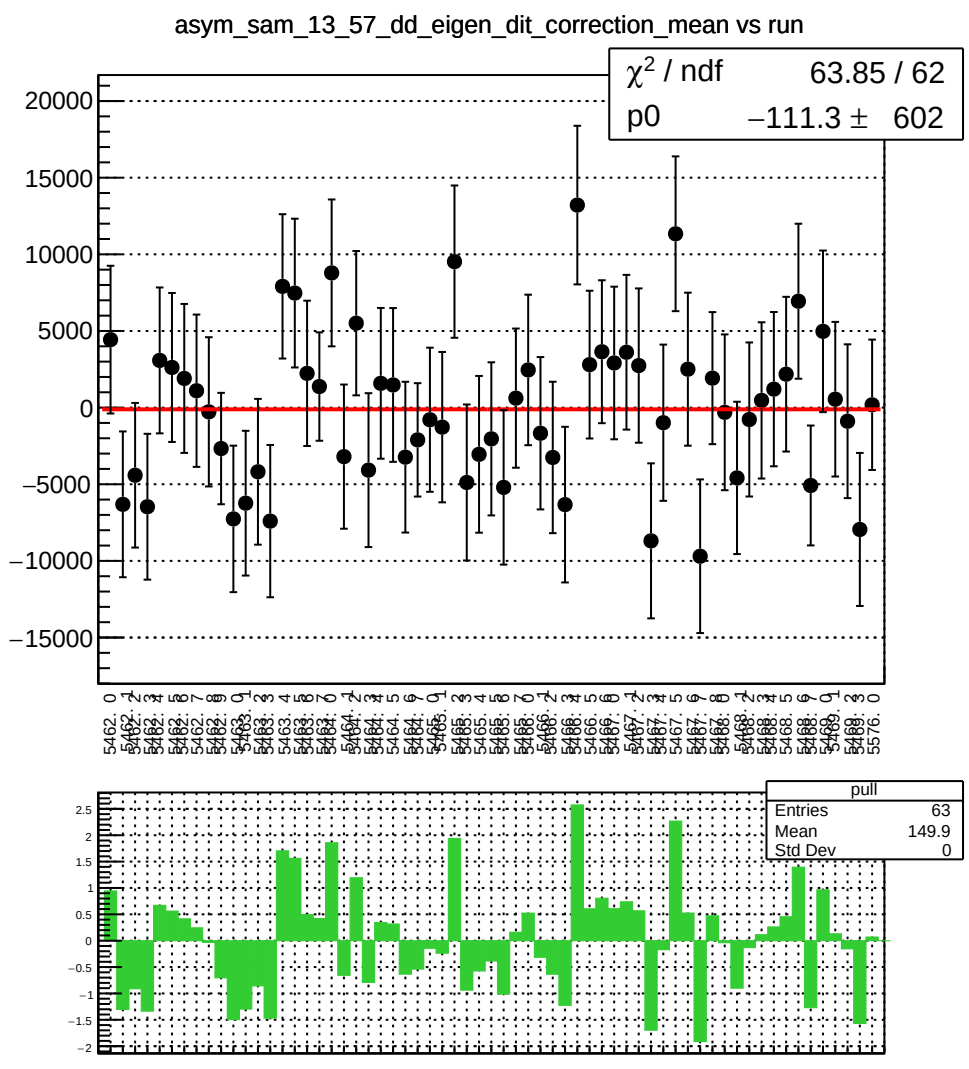

pull1D
Entries 63
Mean 0.008957
Std Dev 1.007

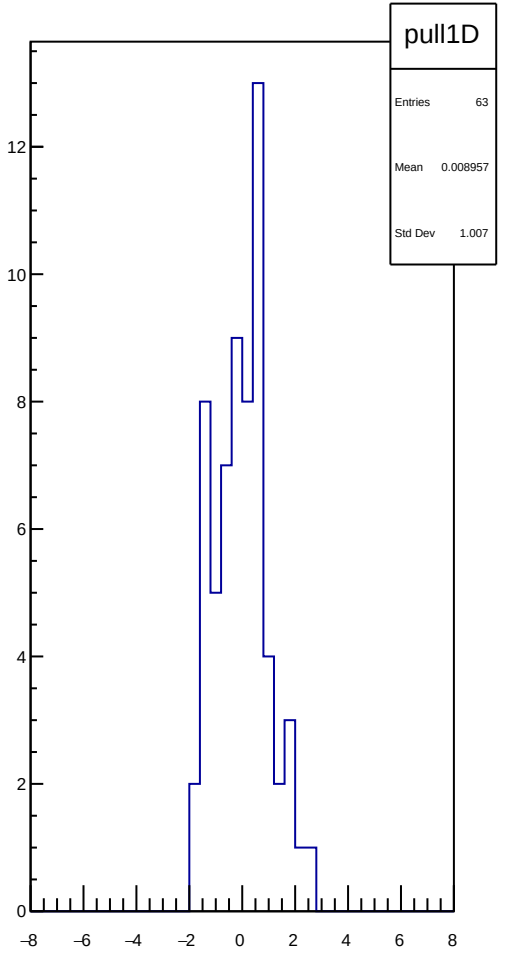

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1026 / 62
p0 468.2 ± 0.4257
500
490
480
470
460
450
440

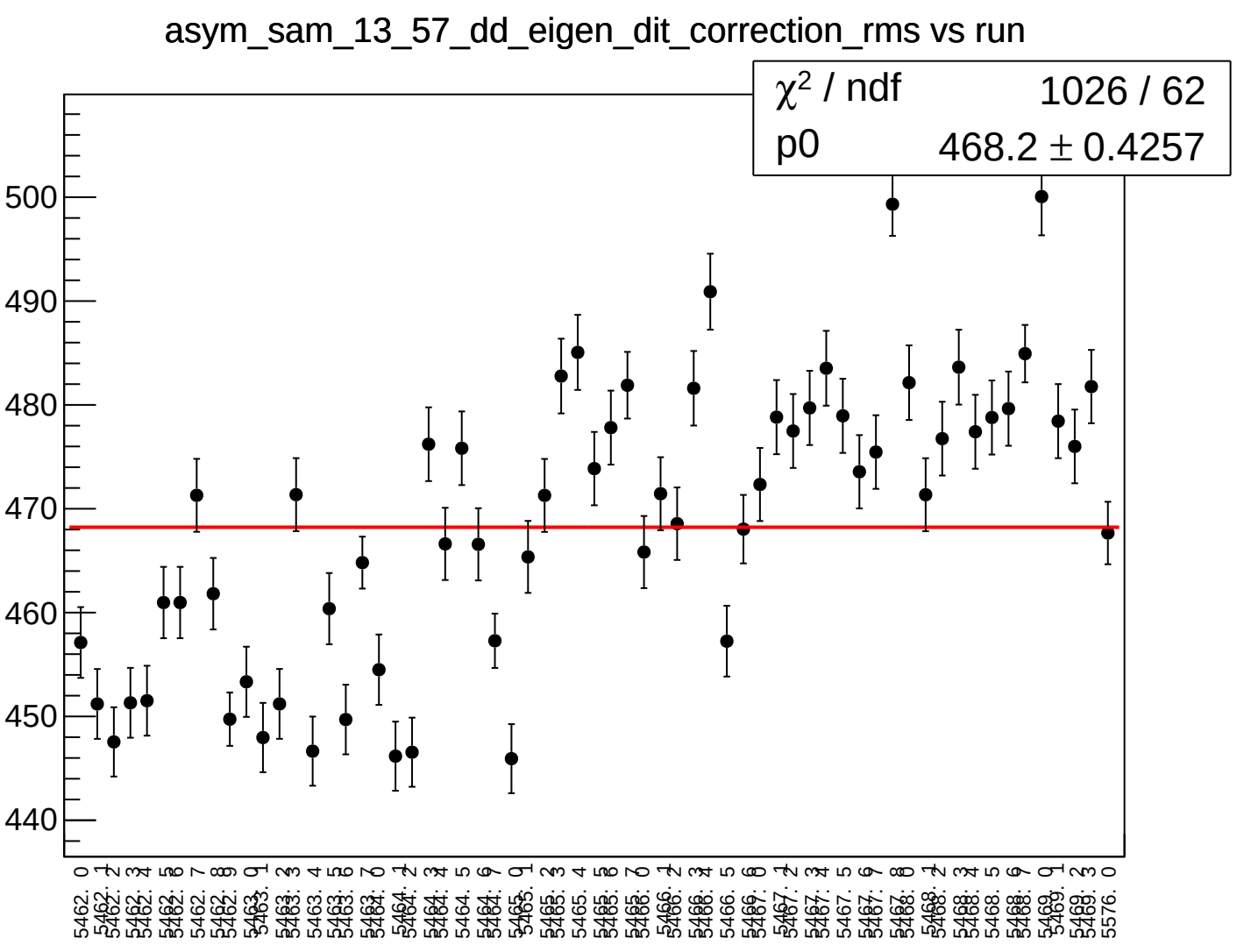

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 50.94 / 62
p0 0.2067 ± 158.8
pull
Entries 63
Mean −354.1
Std Dev 0

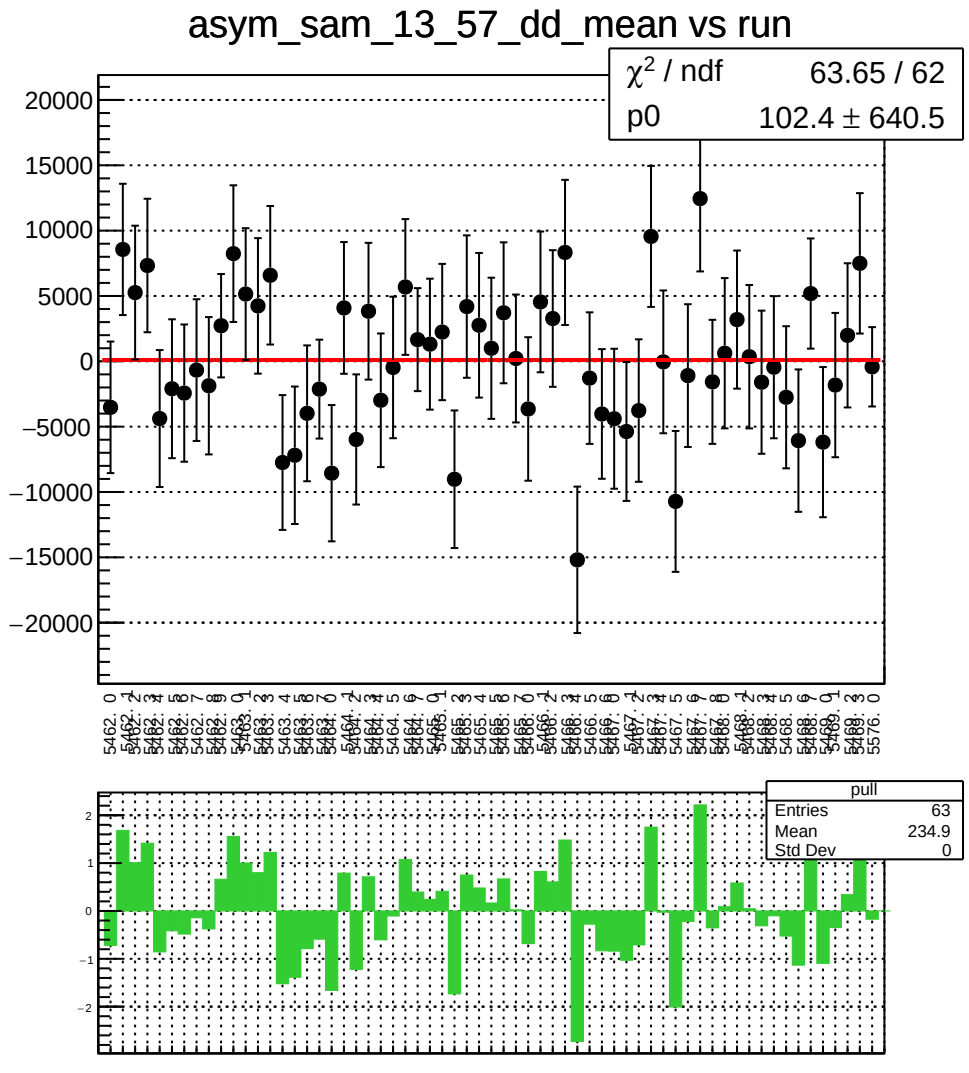

pull1D
Entries 63
Mean 0.002975
Std Dev 0.8992

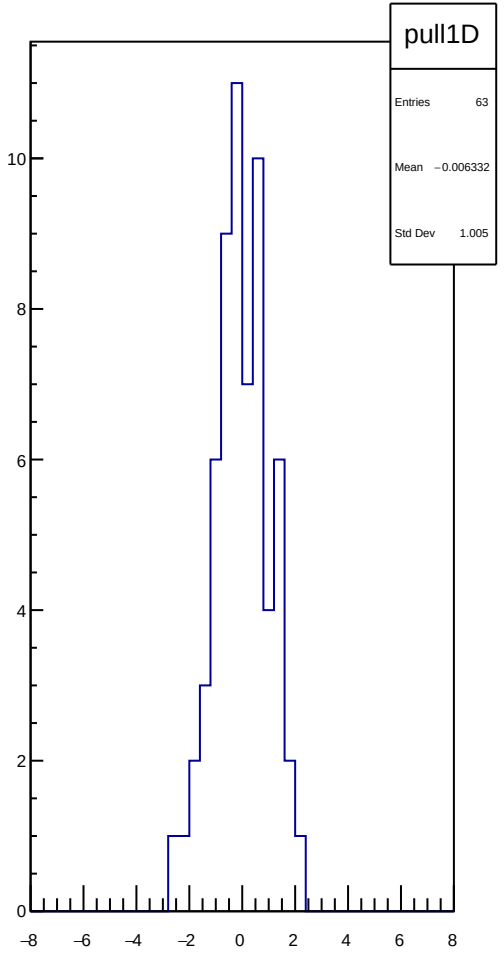

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4034 / 62
p0 123.3 ± 0.1123
170
160
150
140
130
120
110

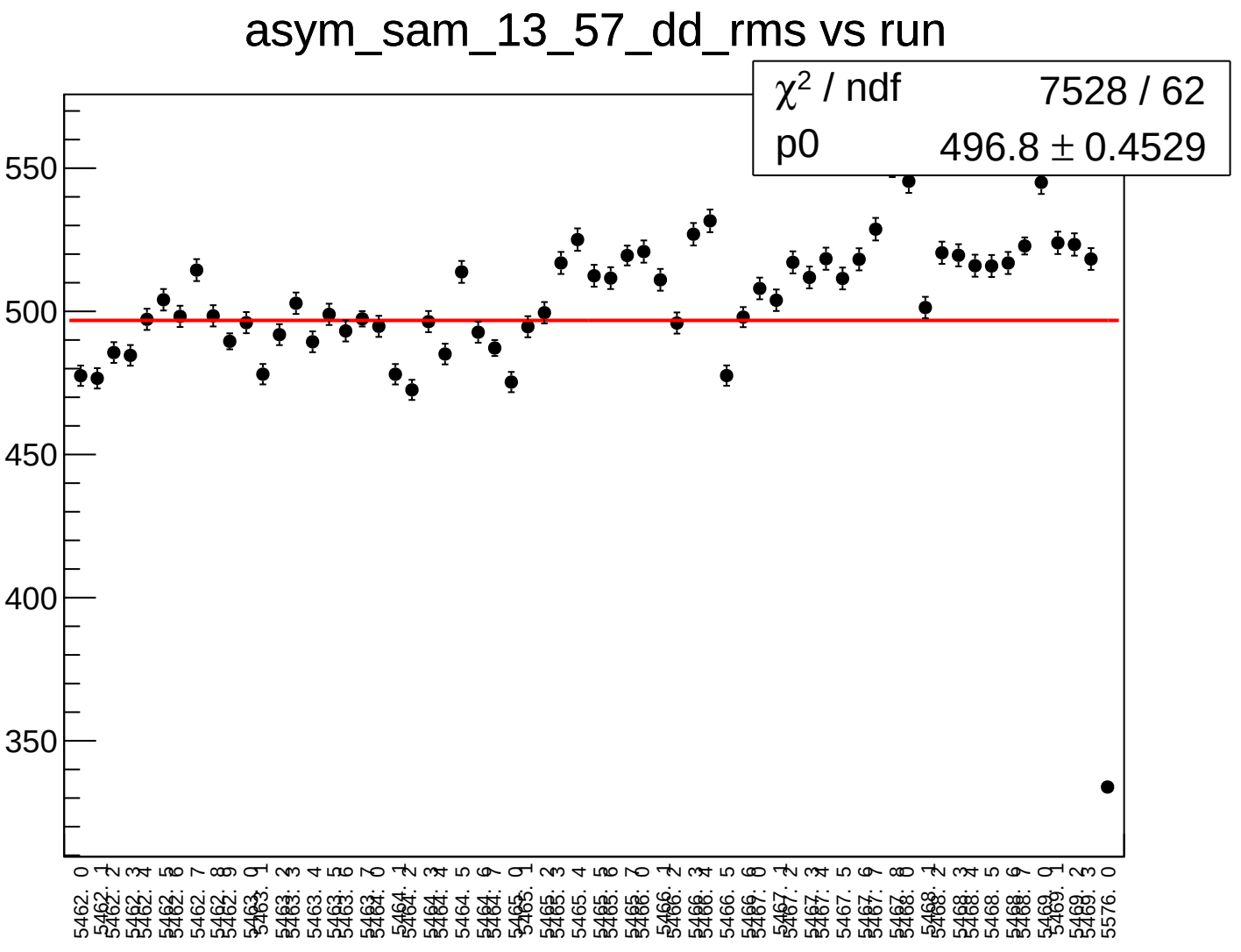

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.85 / 62
p0 −111.3 ± 602
pull
Entries 63
Mean 149.9
Std Dev 0

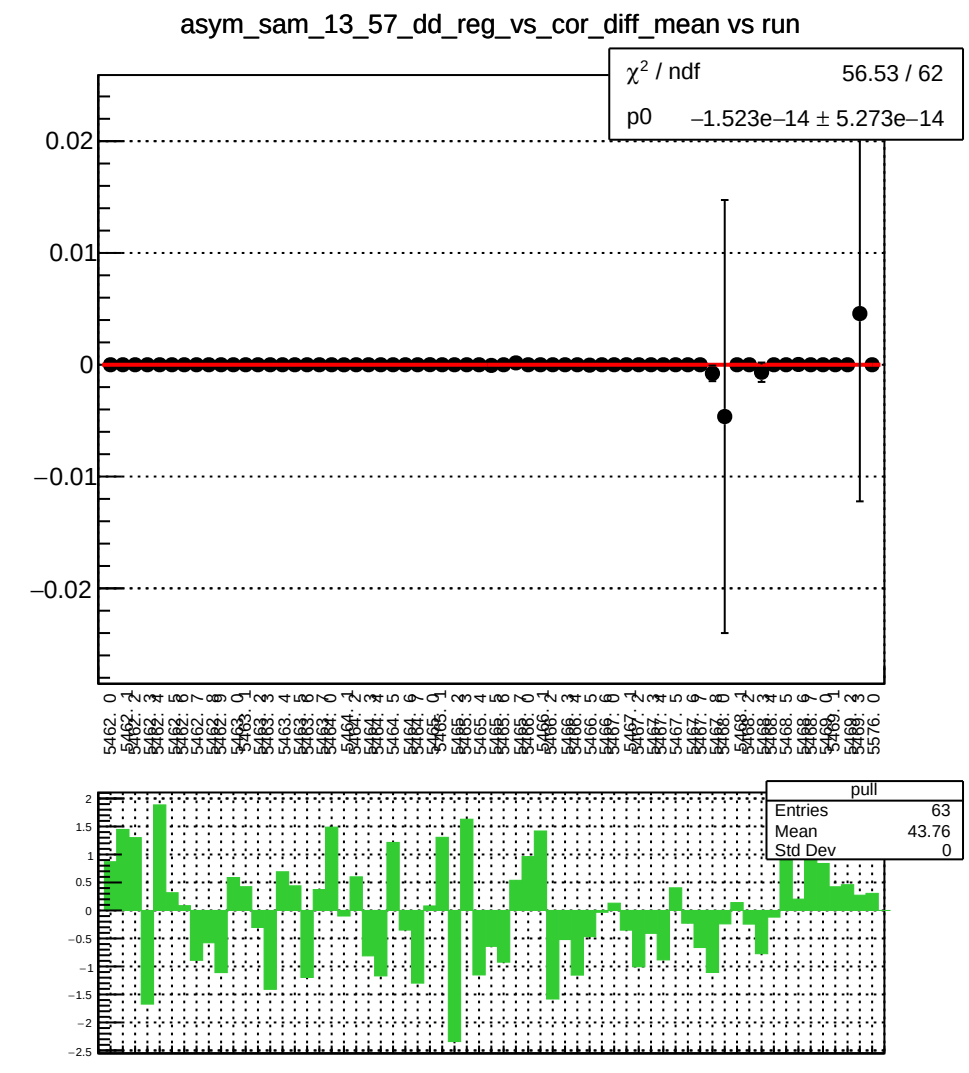

pull1D
Entries 63
Mean 0.008957
Std Dev 1.007

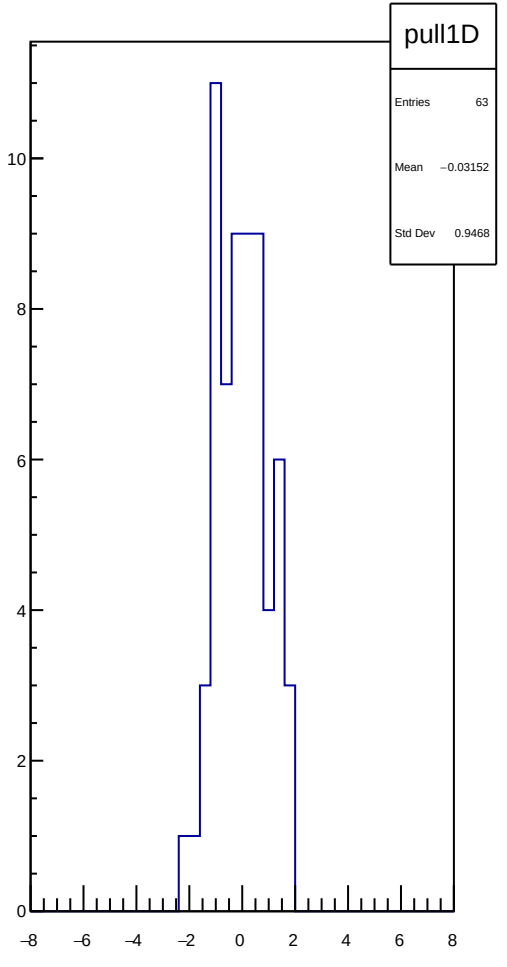

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1026 / 62
p0 468.2 ± 0.4257
500
490
480
470
460
450
440

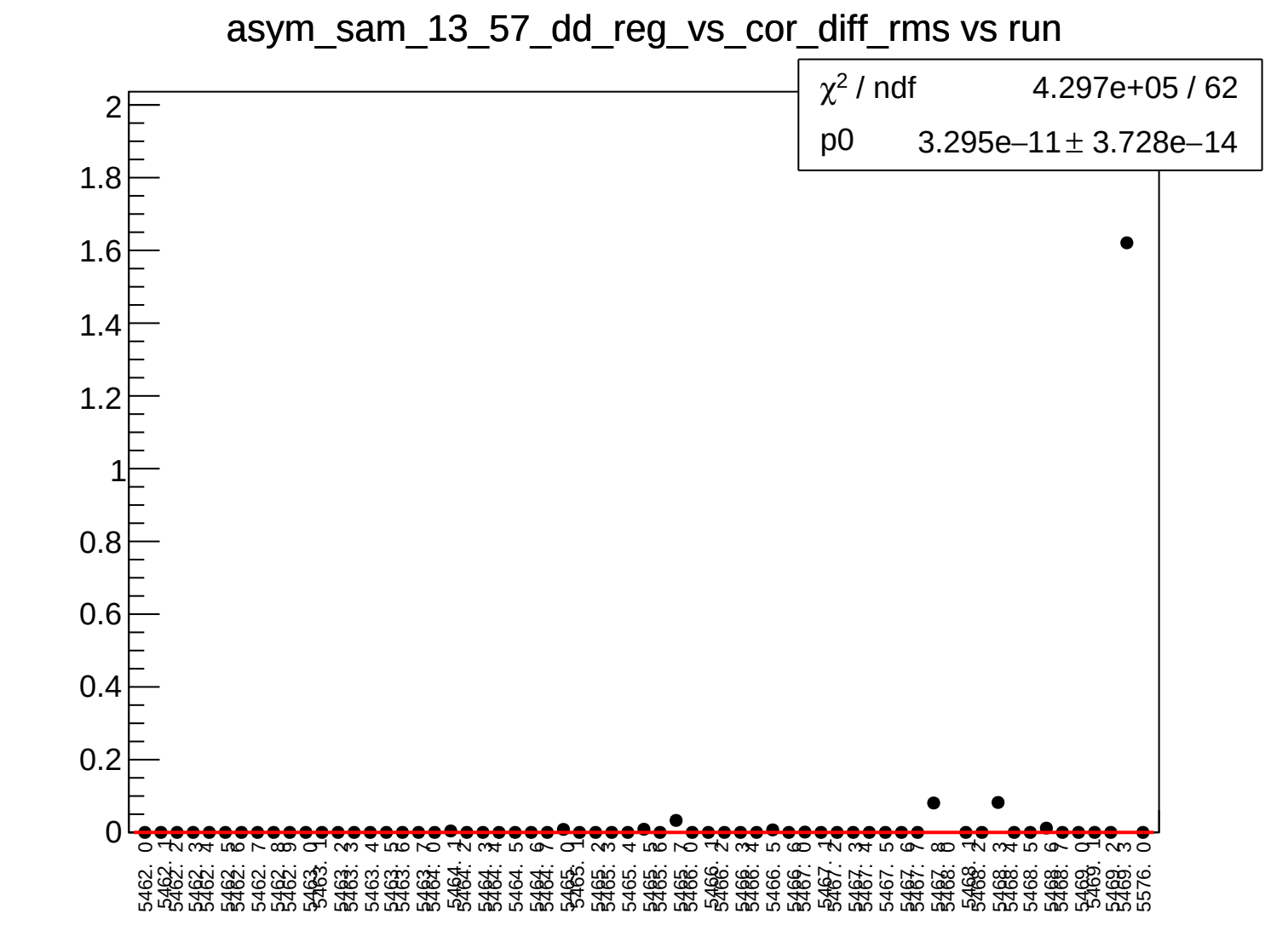

asym_sam_13_57_dd_mean vs run
χ² / ndf 63.65 / 62
p0 102.4 ± 640.5
pull
Entries 63
Mean 234.9
Std Dev 0

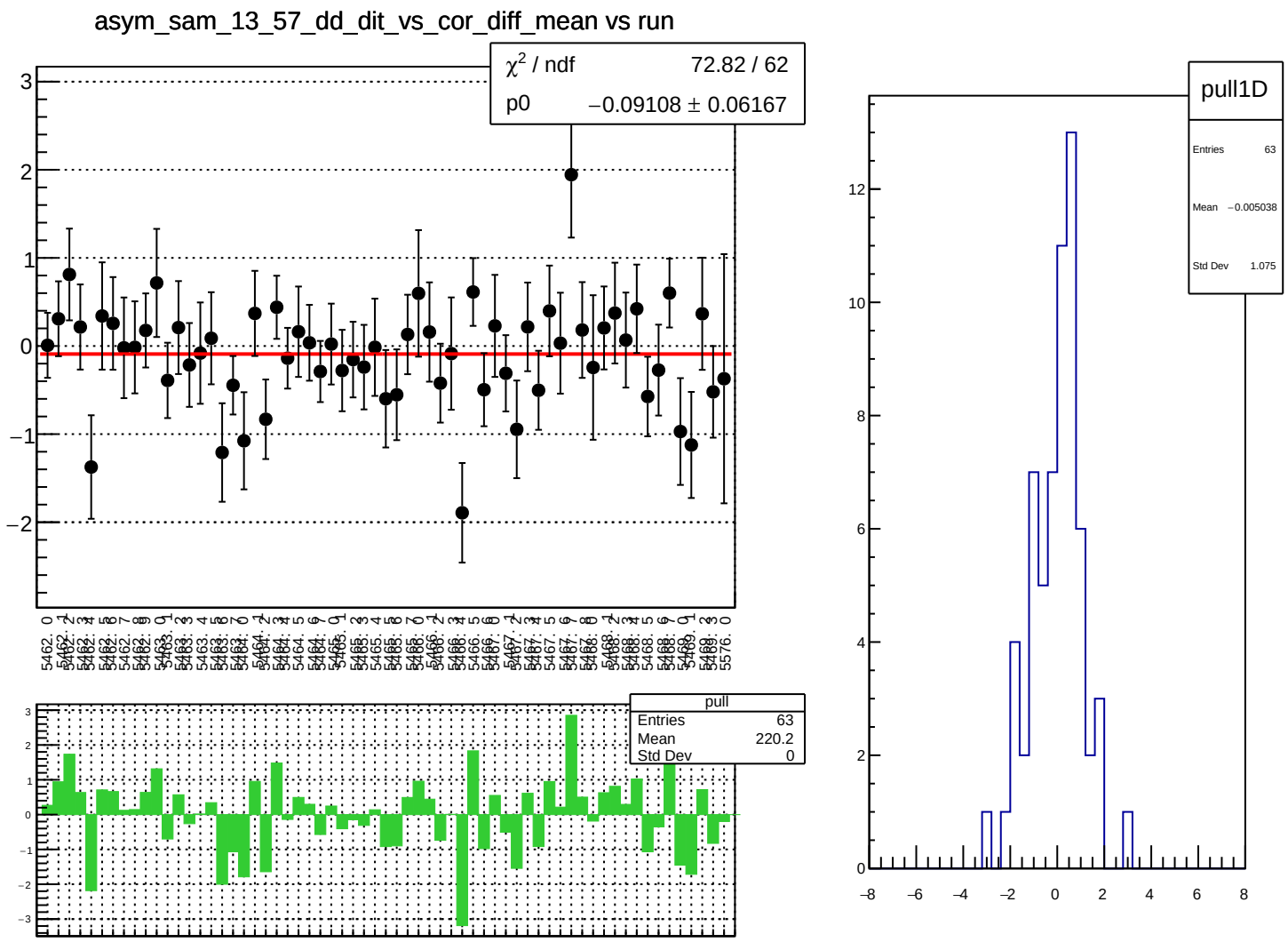

pull1D
Entries 63
Mean −0.006332
Std Dev 1.005

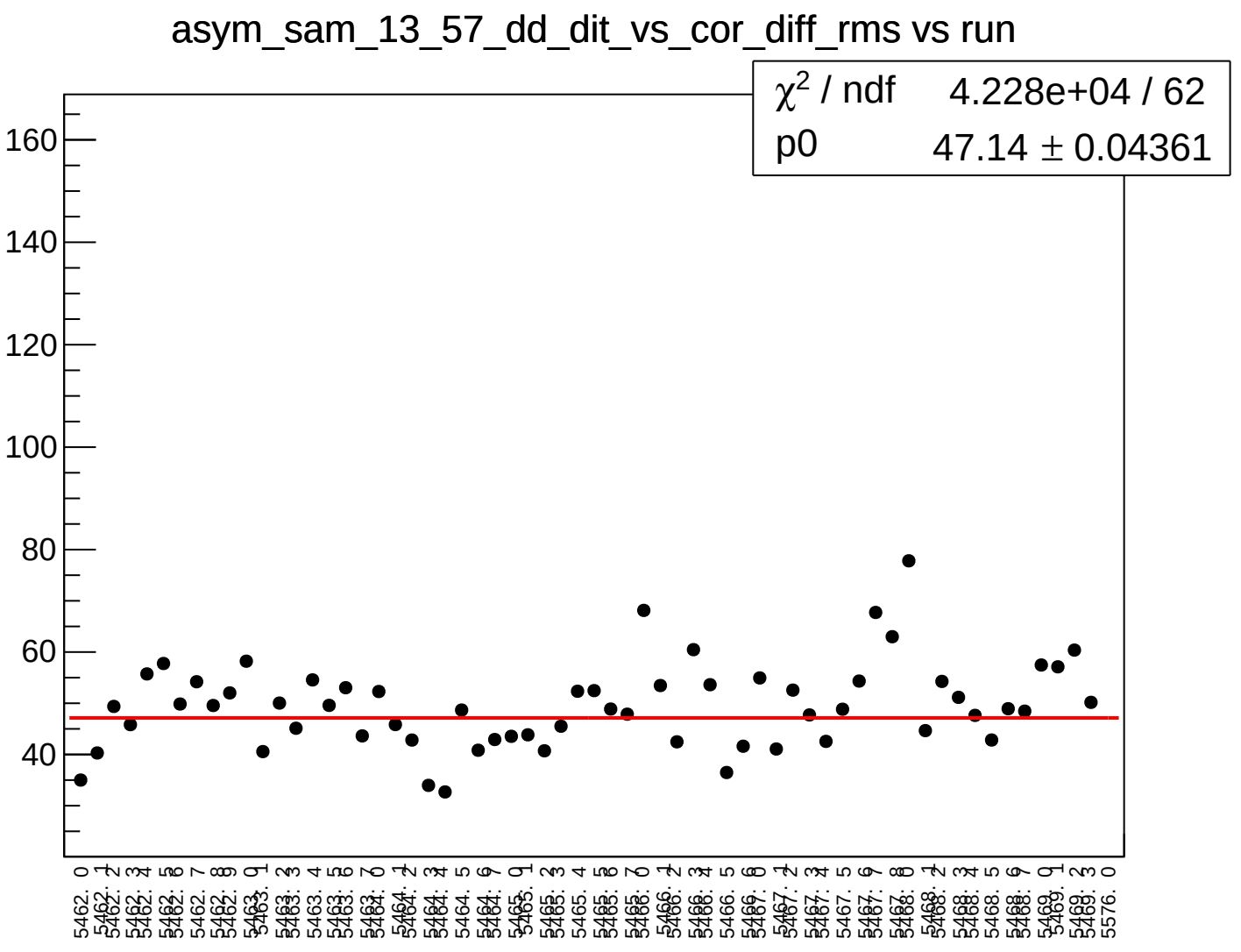

asym_sam_13_57_dd_rms vs run
χ² / ndf 7528 / 62
p0 496.8 ± 0.4529
550
500
450
400
350

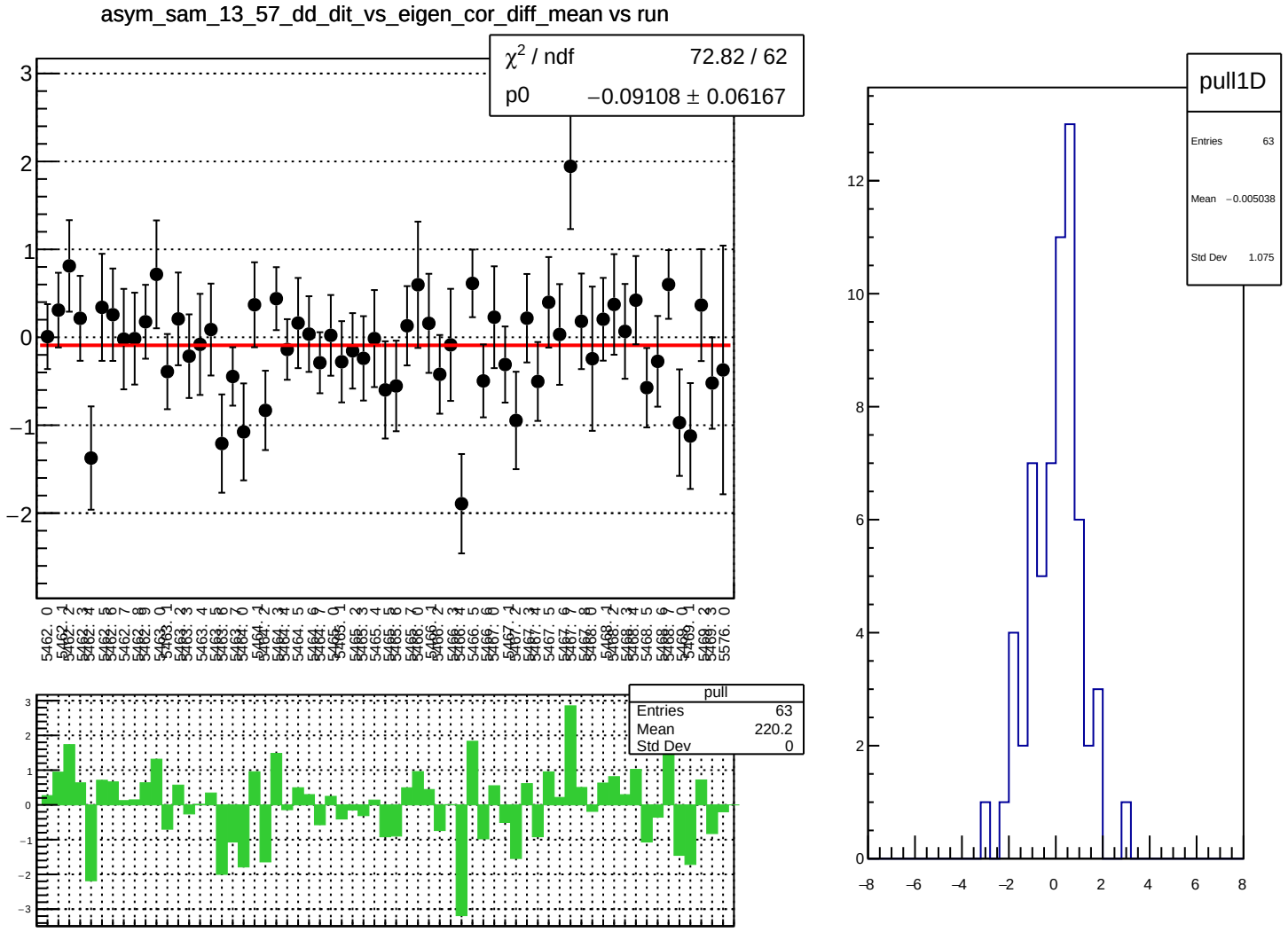

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.53 / 62
p0 −1.523e−14 ± 5.273e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 63
Mean 43.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

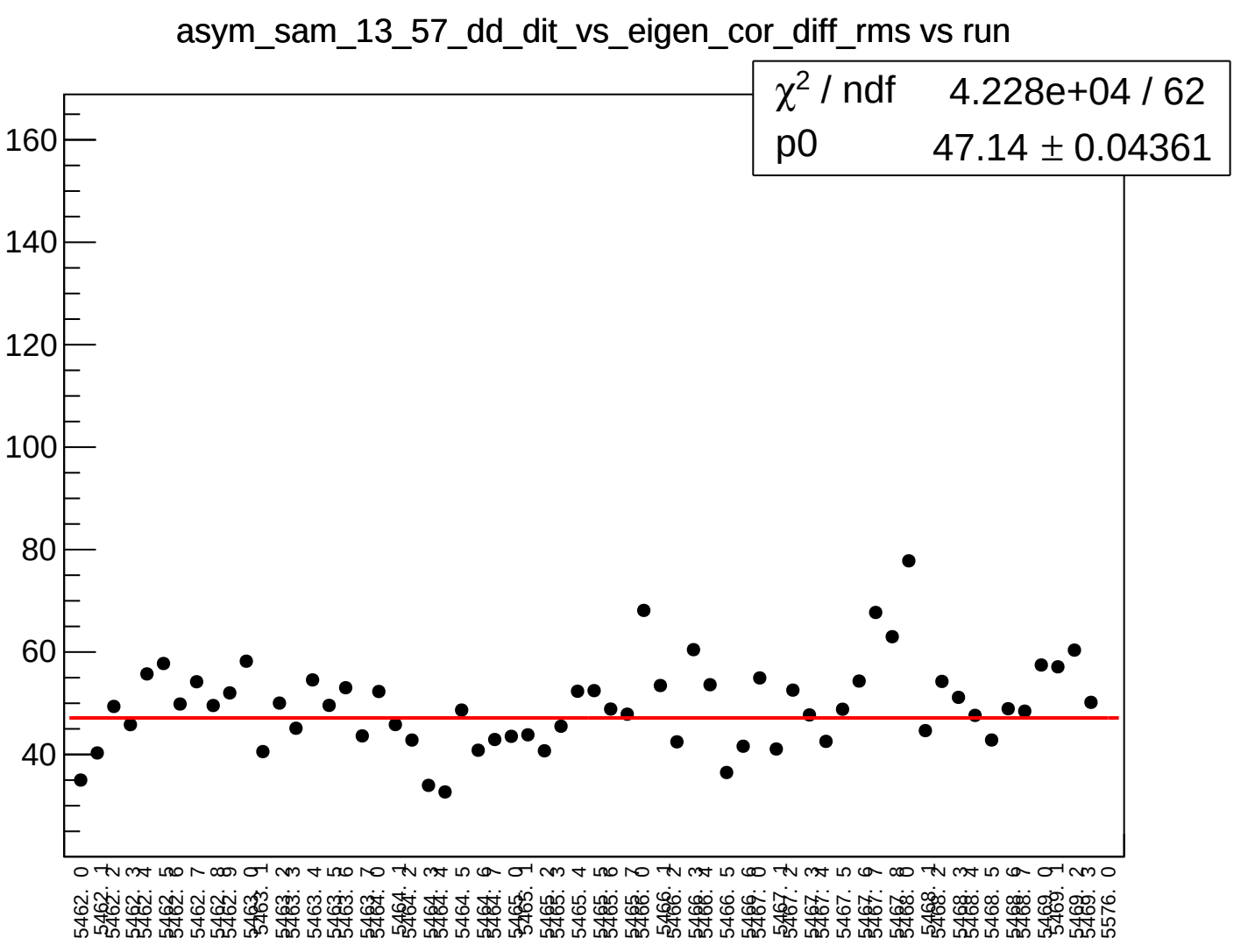

pull1D
Entries 63
Mean −0.03152
Std Dev 0.9468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

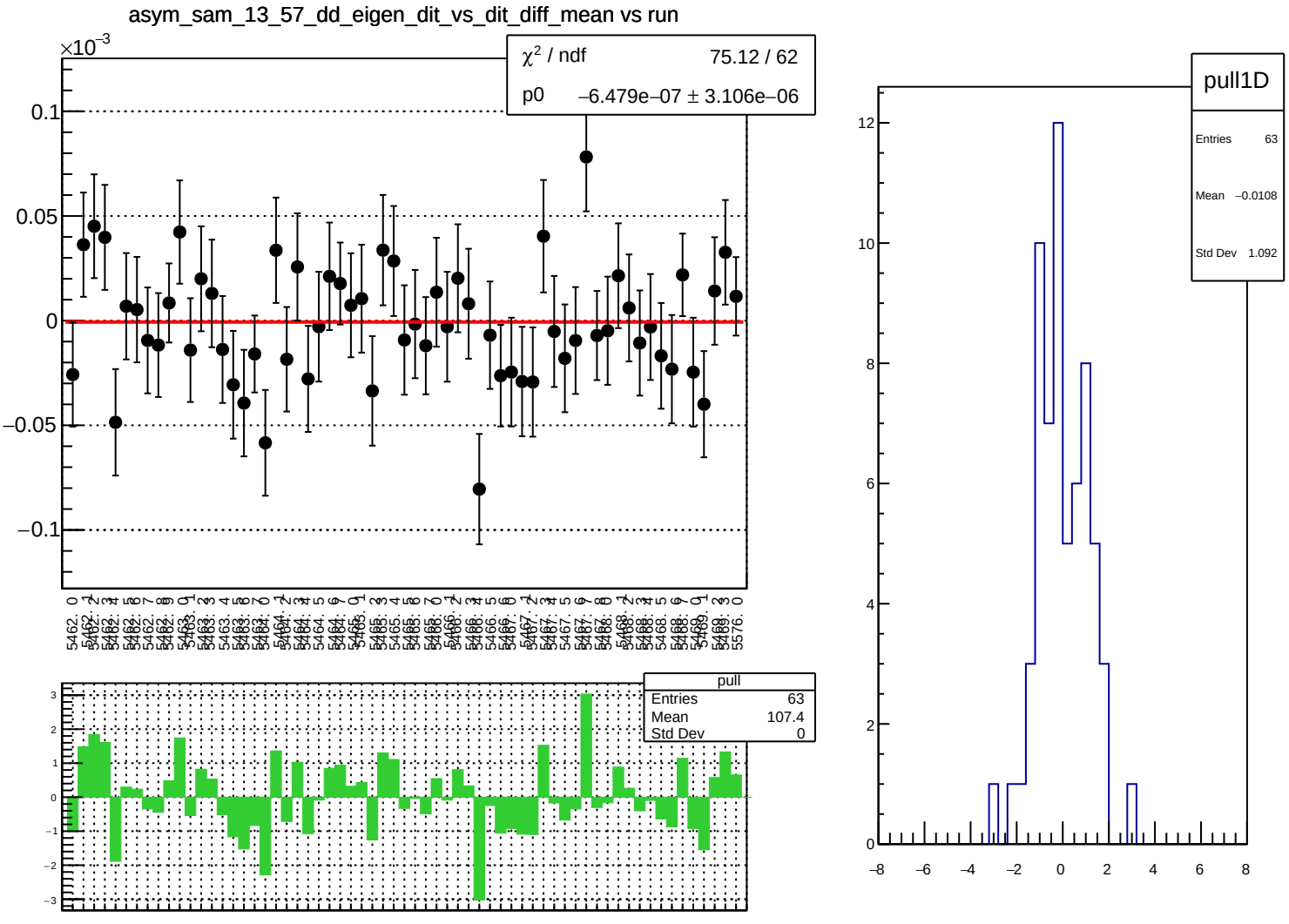

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.297e+05 / 62
p0 3.295e−11 ± 3.728e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

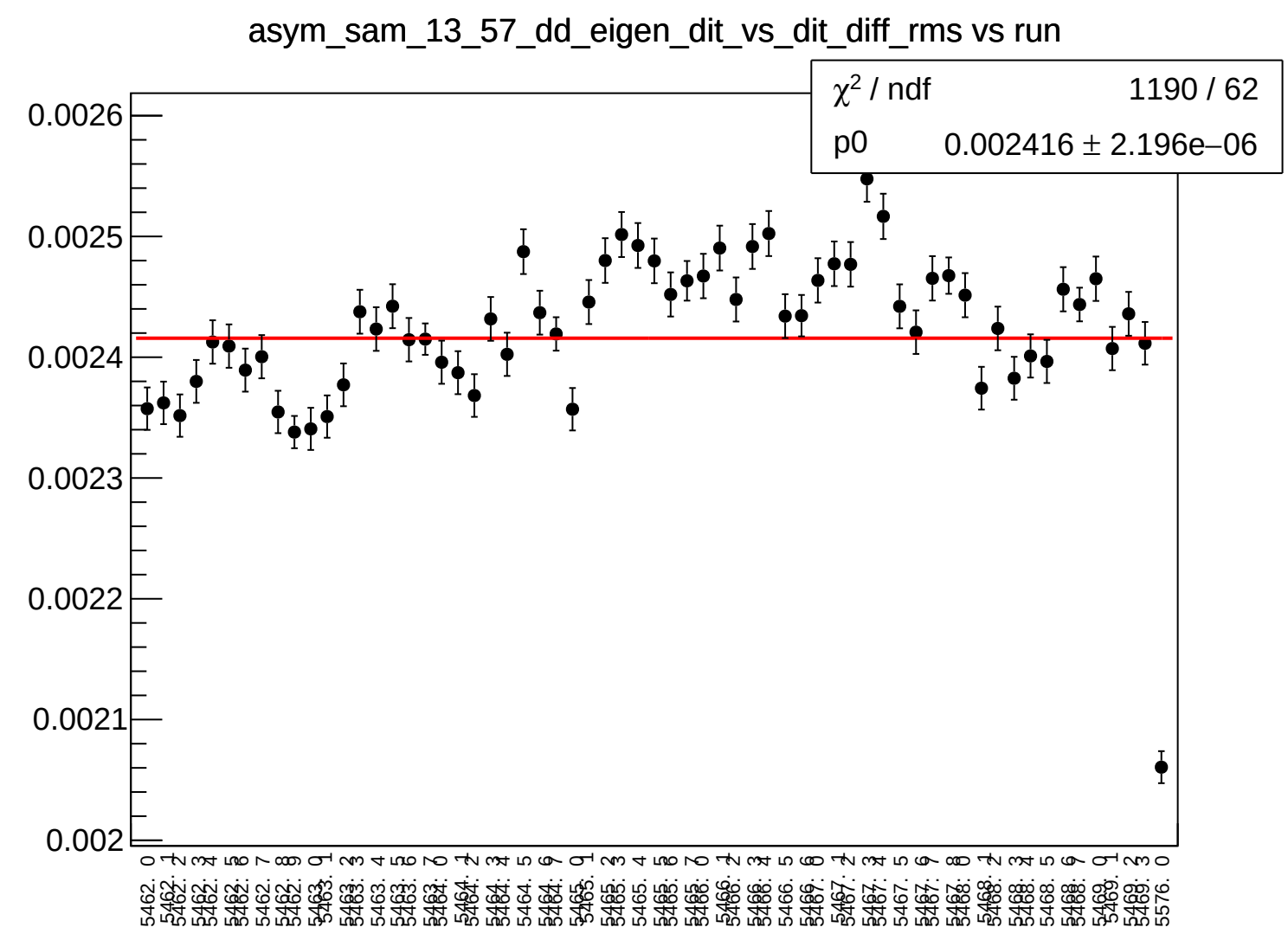

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 62
p0 −0.09108 ± 0.06167
pull
Entries 63
Mean 220.2
Std Dev 0
pull1D
Entries 63
Mean −0.005038
Std Dev 1.075

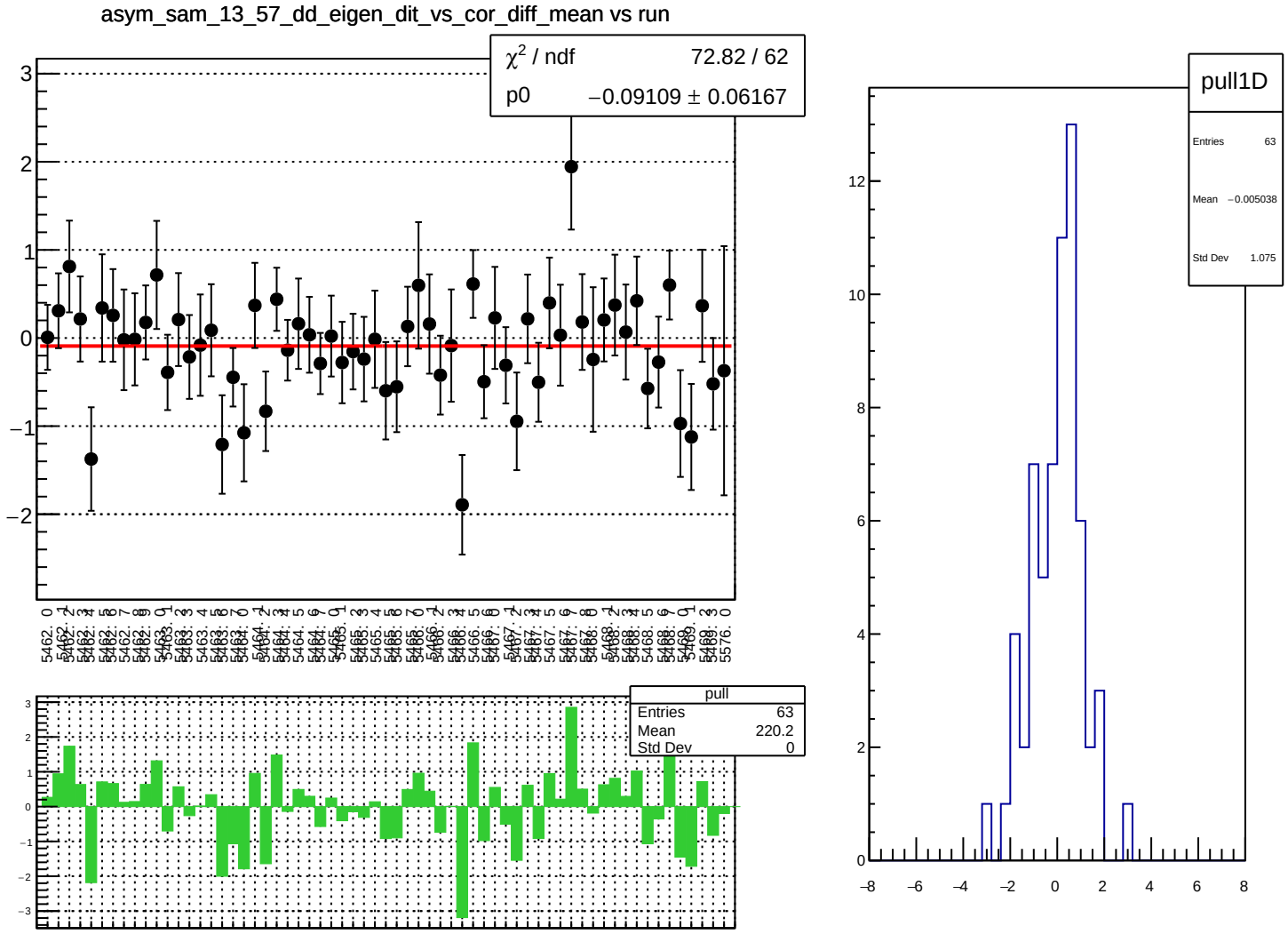

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.228e+04 / 62
p0 47.14 ± 0.04361
160
140
120
100
80
60
40

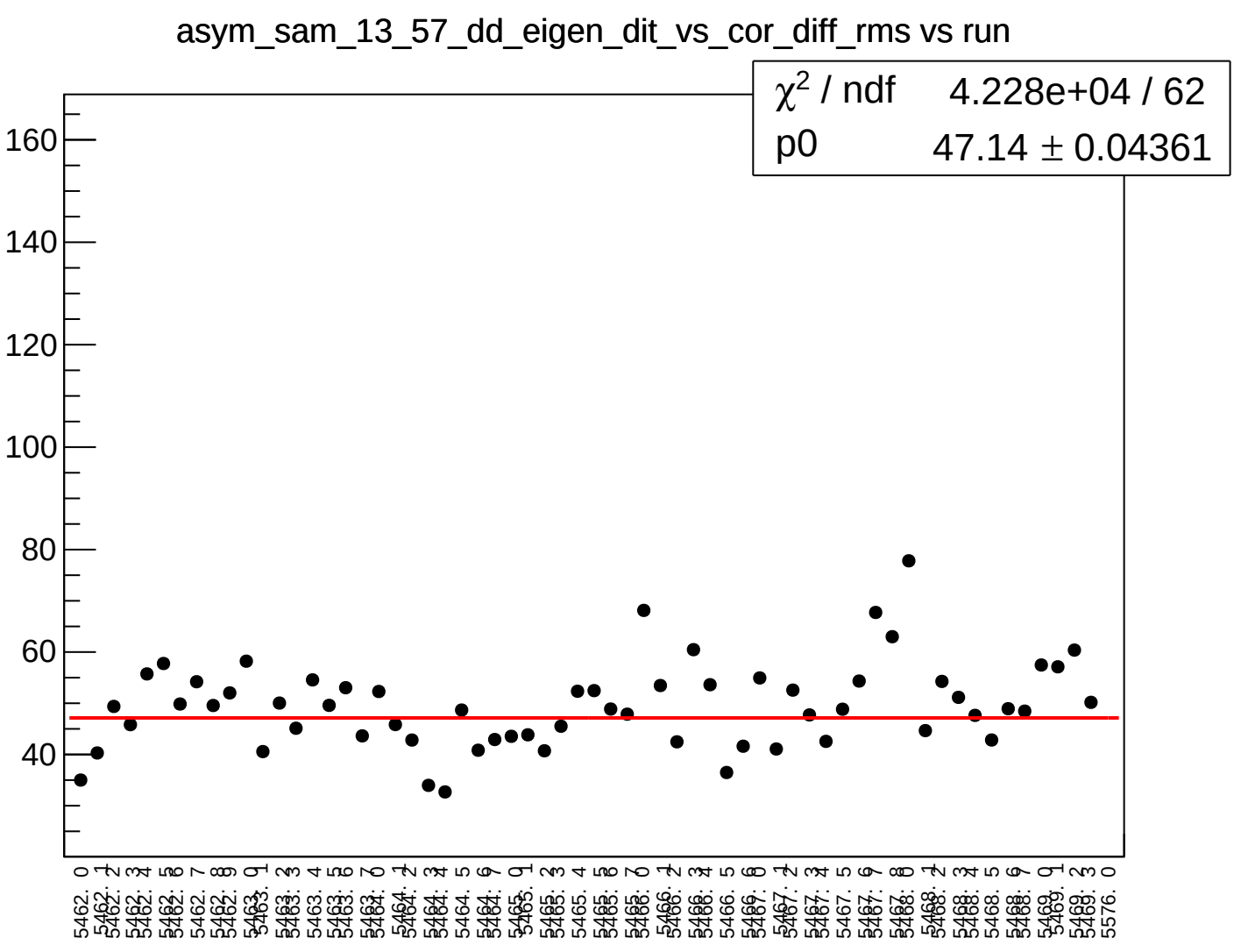

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 62
p0 −0.09108 ± 0.06167
pull
Entries 63
Mean 220.2
Std Dev 0
pull1D
Entries 63
Mean −0.005038
Std Dev 1.075

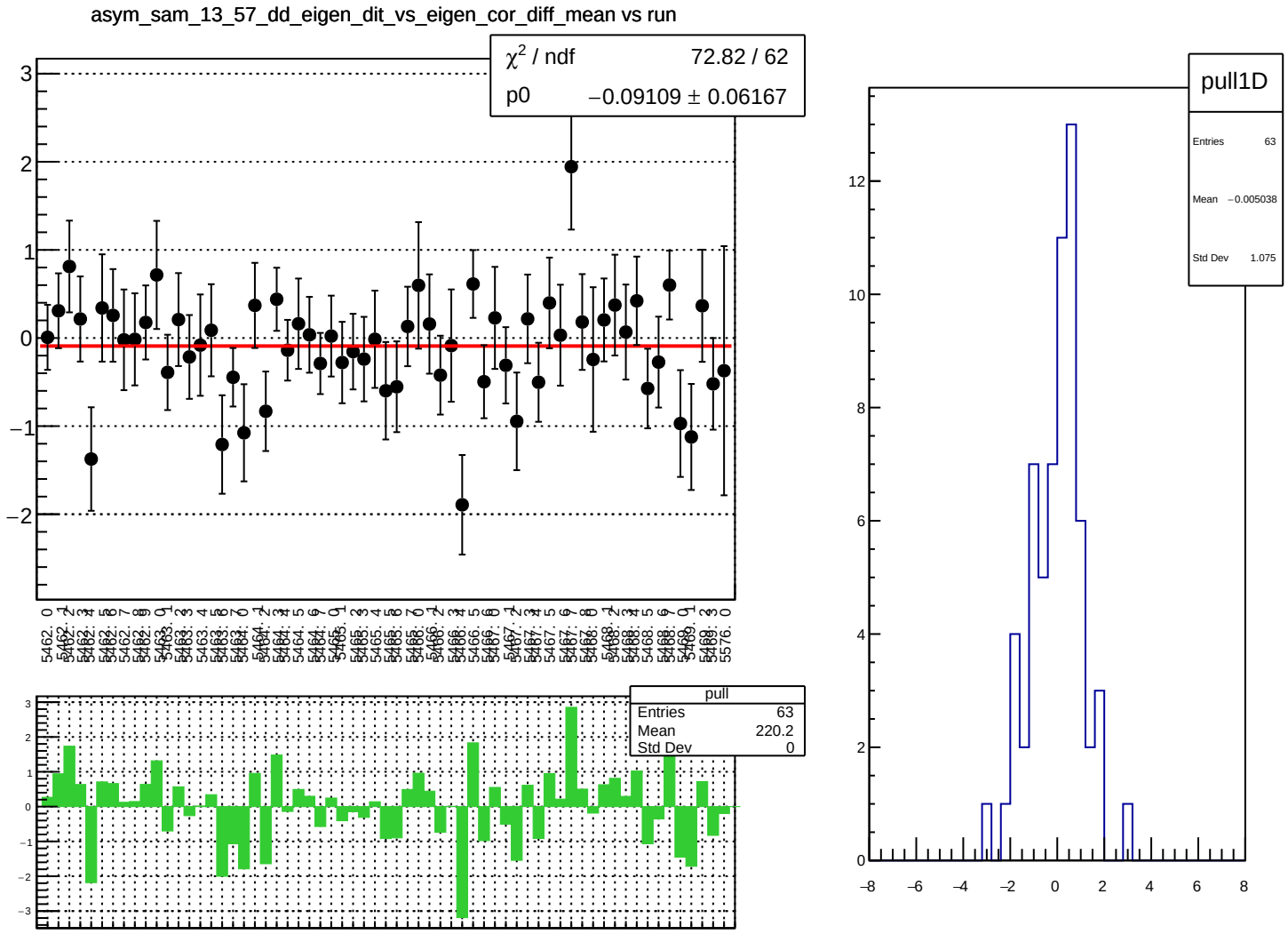

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.228e+04 / 62
p0 47.14 ± 0.04361
160
140
120
100
80
60
40

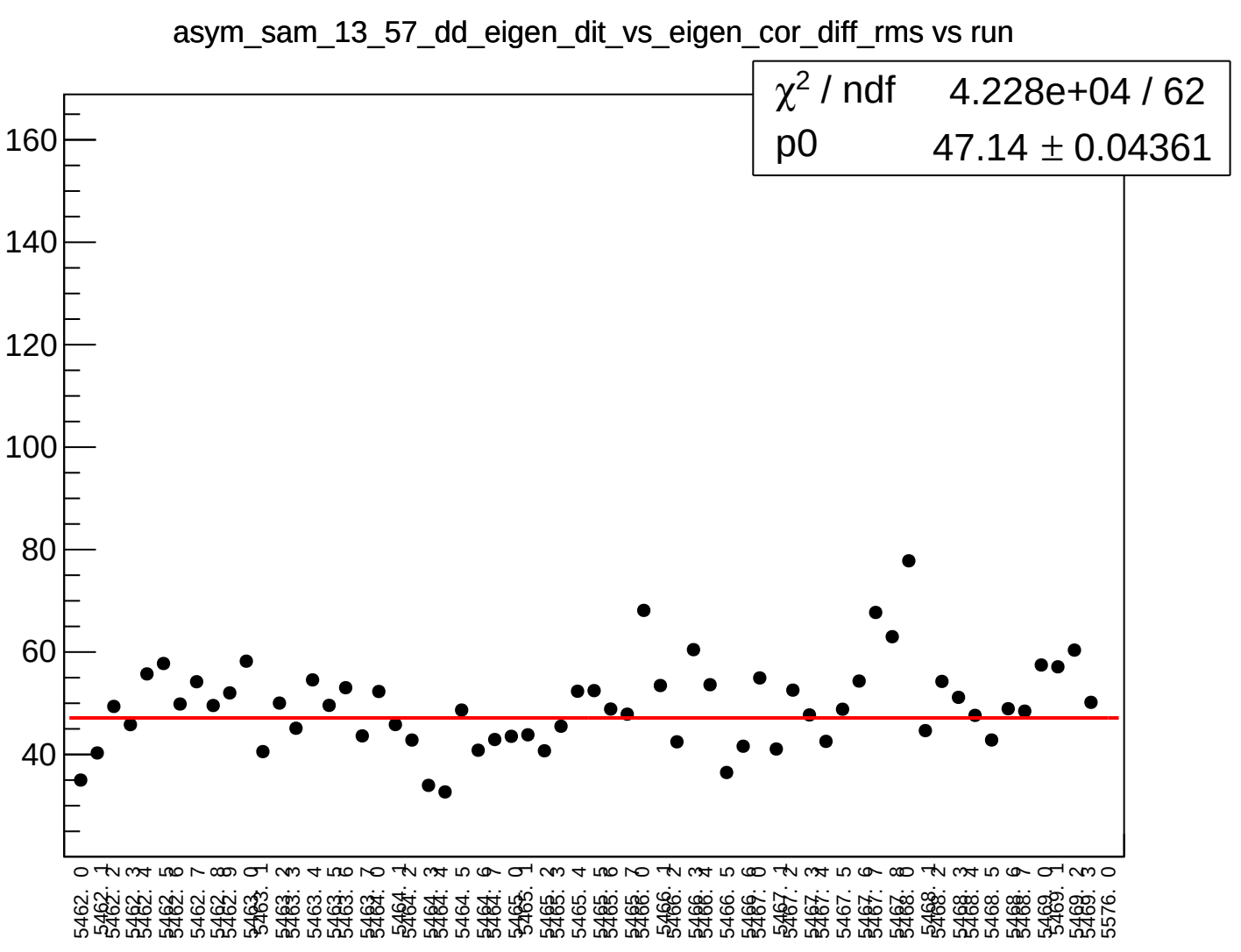

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.12 / 62
p0 −6.479e−07 ± 3.106e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 63
Mean 107.4
Std Dev 0
pull1D
Entries 63
Mean −0.0108
Std Dev 1.092

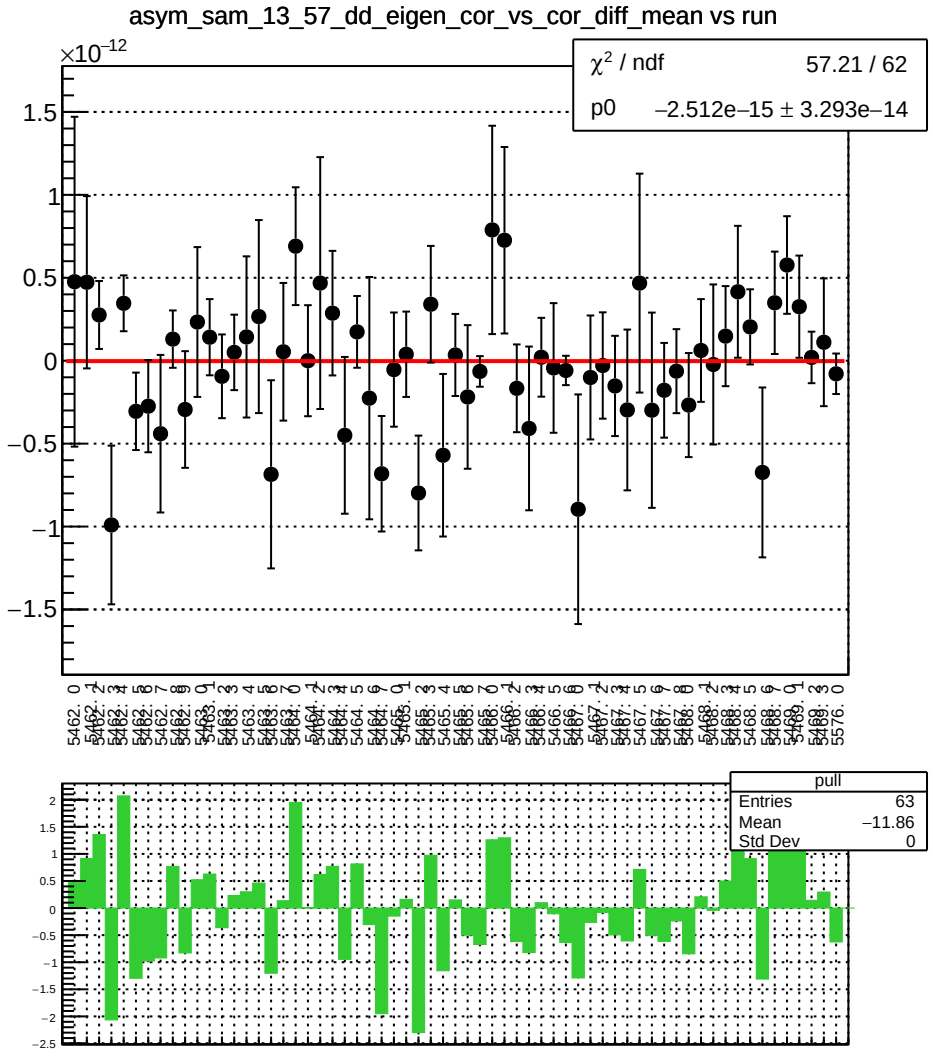

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1190 / 62
p0 0.002416 ± 2.196e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

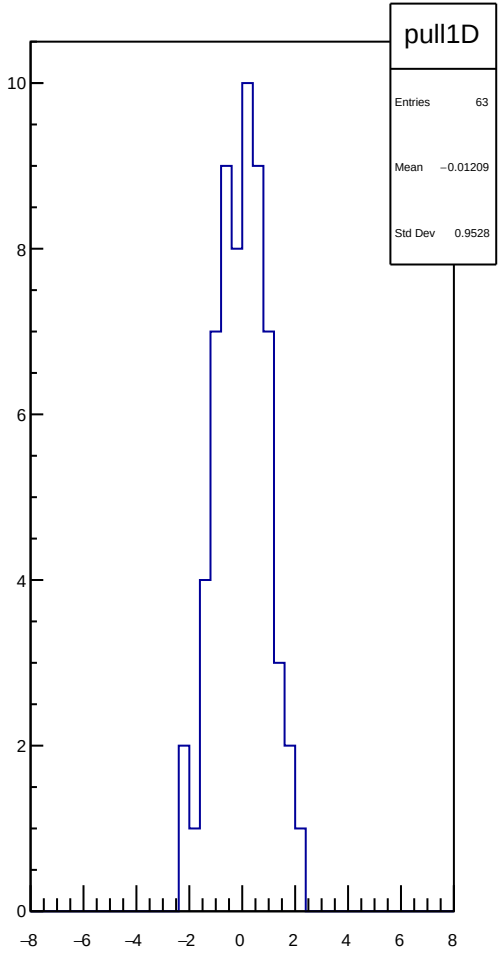

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 62
p0 −0.09109 ± 0.06167
pull
Entries 63
Mean 220.2
Std Dev 0
pull1D
Entries 63
Mean −0.005038
Std Dev 1.075

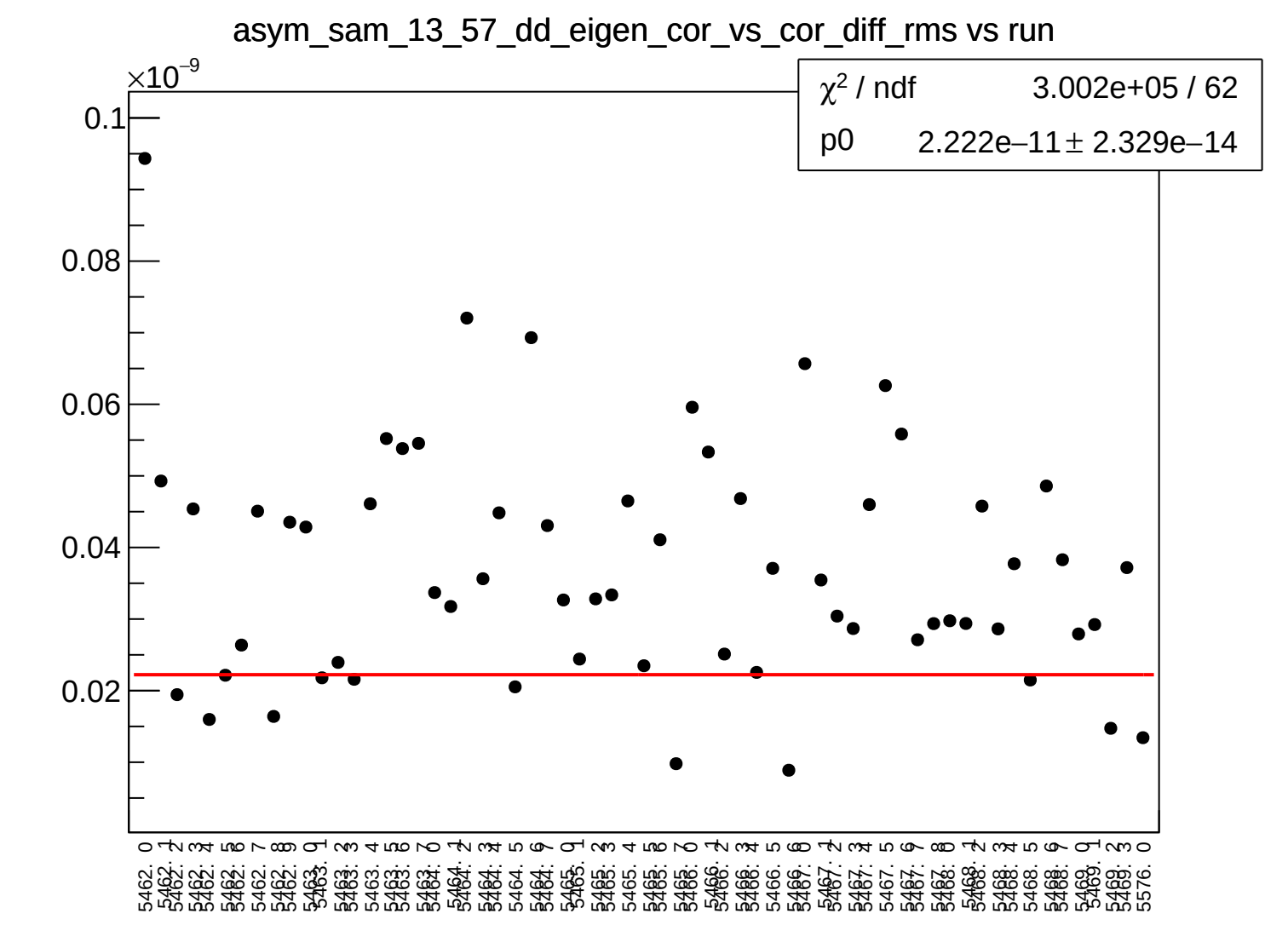

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.228e+04 / 62
p0 47.14 ± 0.04361
160
140
120
100
80
60
40

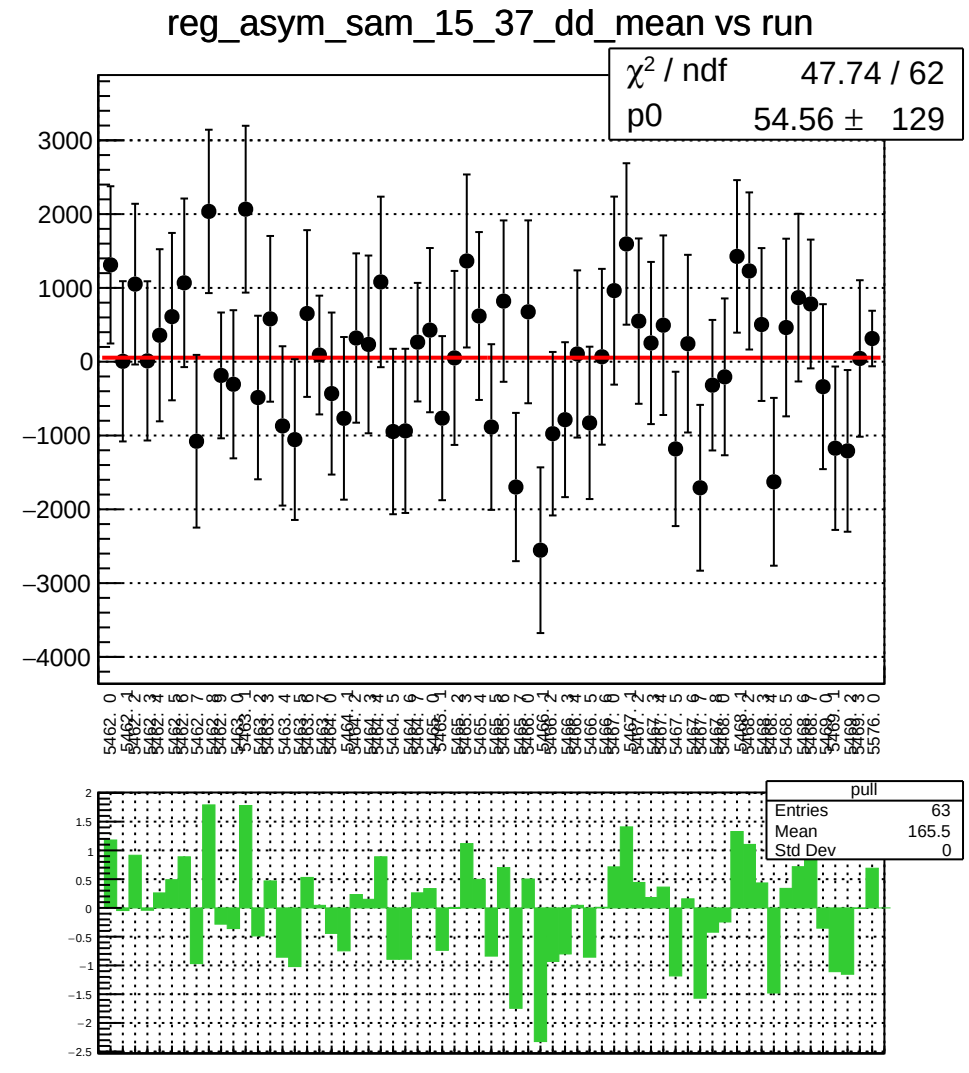

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 62
p0 −0.09109 ± 0.06167
pull
Entries 63
Mean 220.2
Std Dev 0
pull1D
Entries 63
Mean −0.005038
Std Dev 1.075

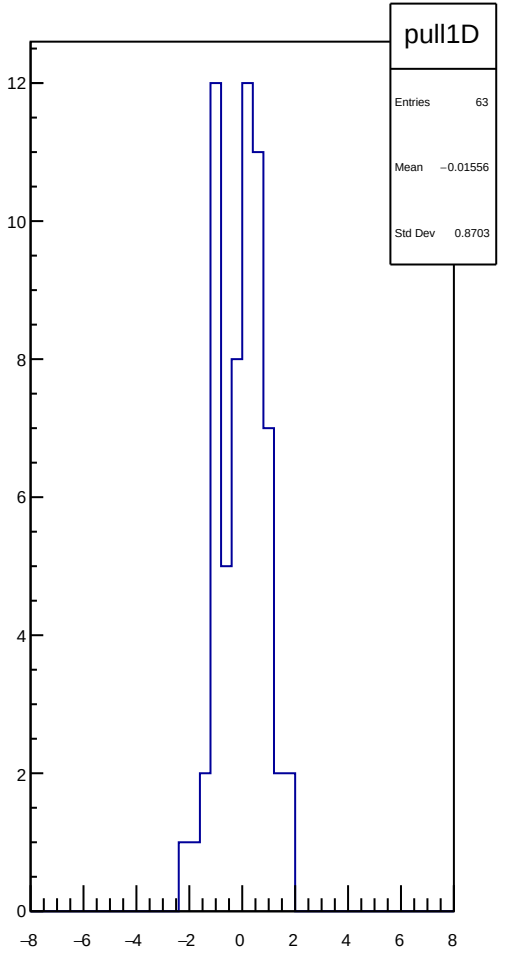

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.228e+04 / 62
p0 47.14 ± 0.04361
160
140
120
100
80
60
40

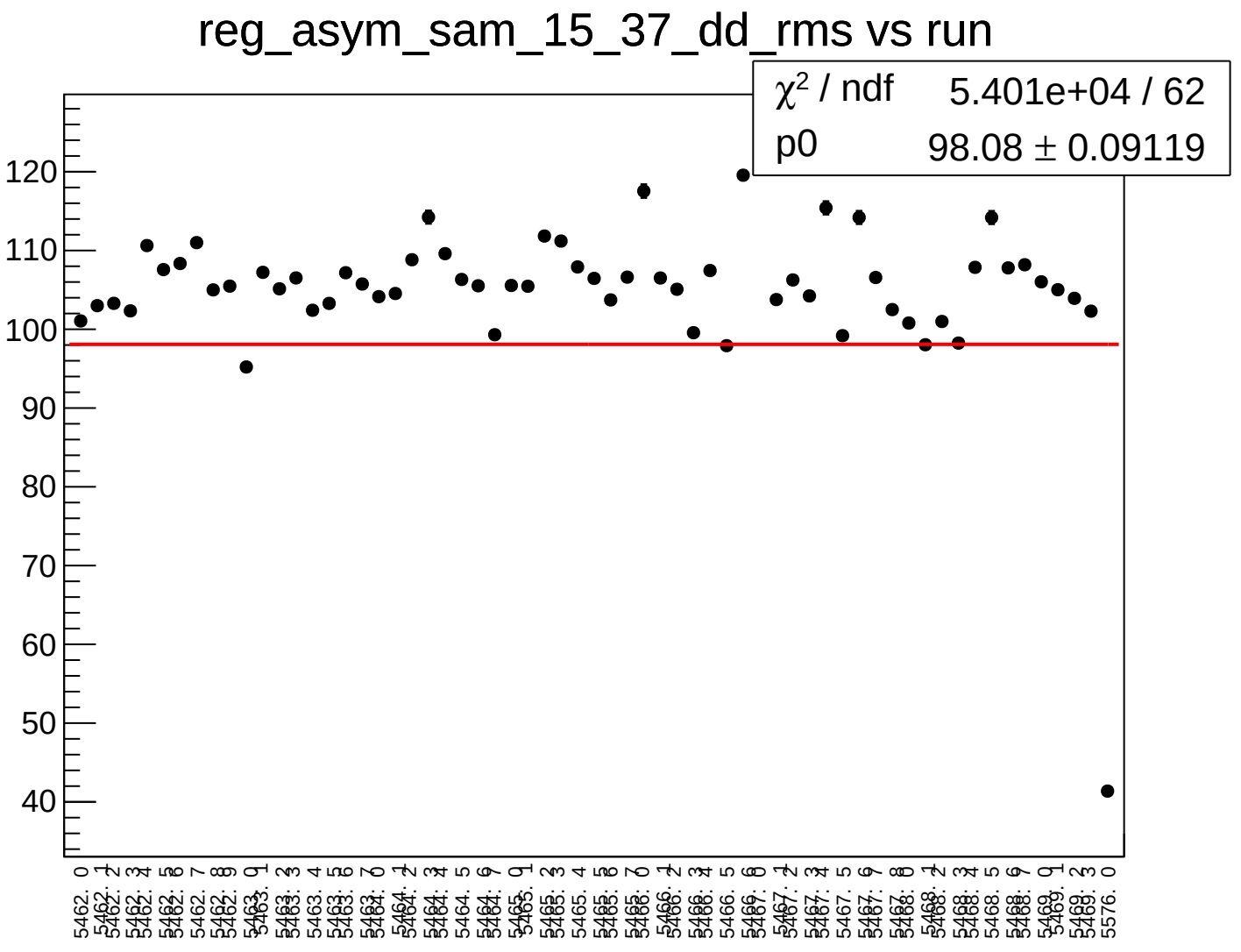

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.21 / 62
p0 −2.512e−15 ± 3.293e−14
pull
Entries 63
Mean −11.86
Std Dev 0

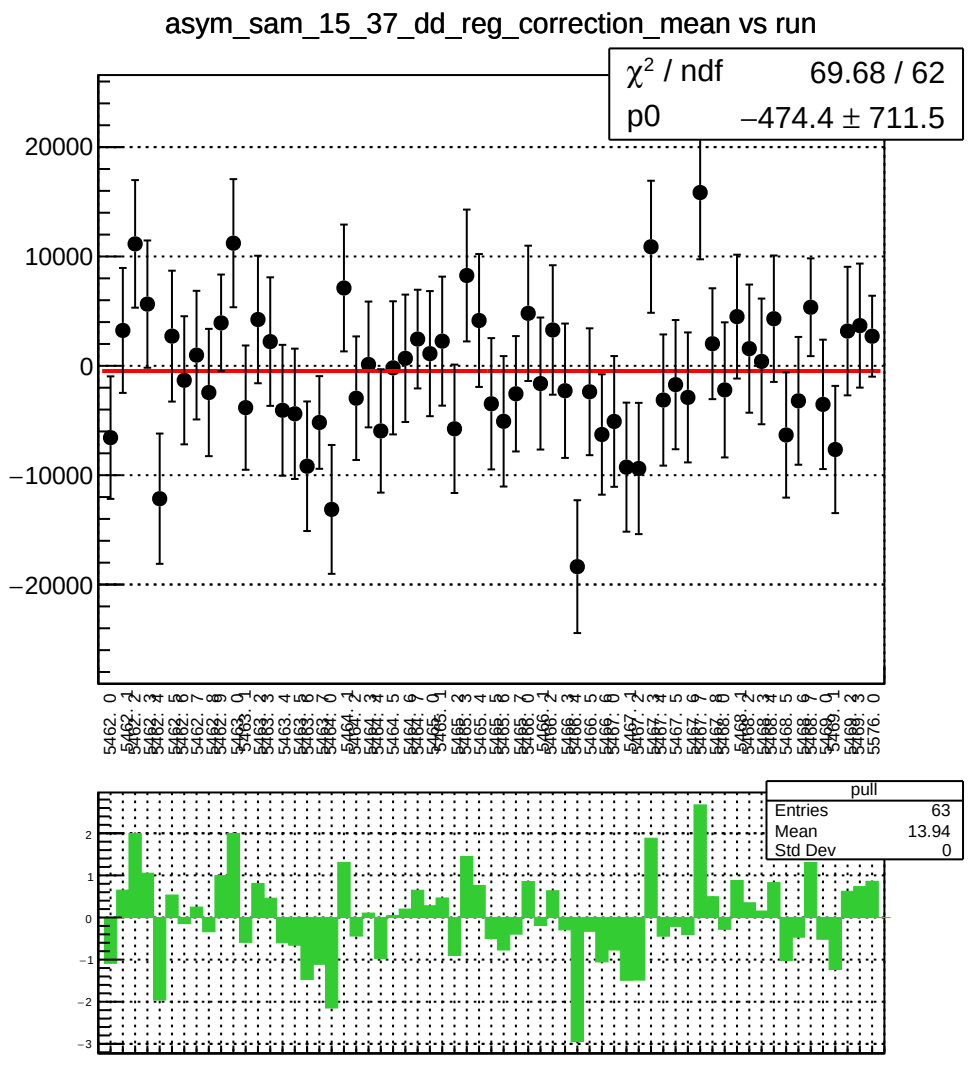

pull1D
Entries 63
Mean −0.01209
Std Dev 0.9528

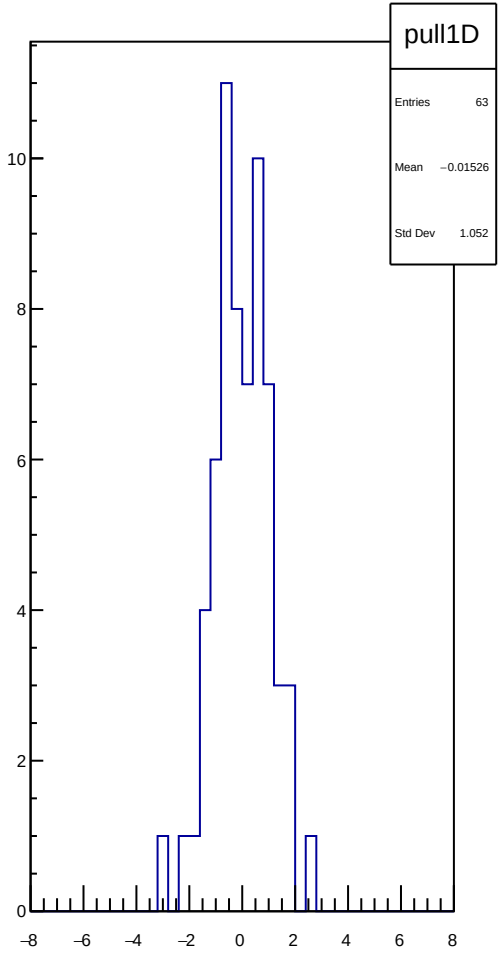

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.002e+05 / 62
p0 2.222e−11 ± 2.329e−14
0.1
0.08
0.06
0.04
0.02

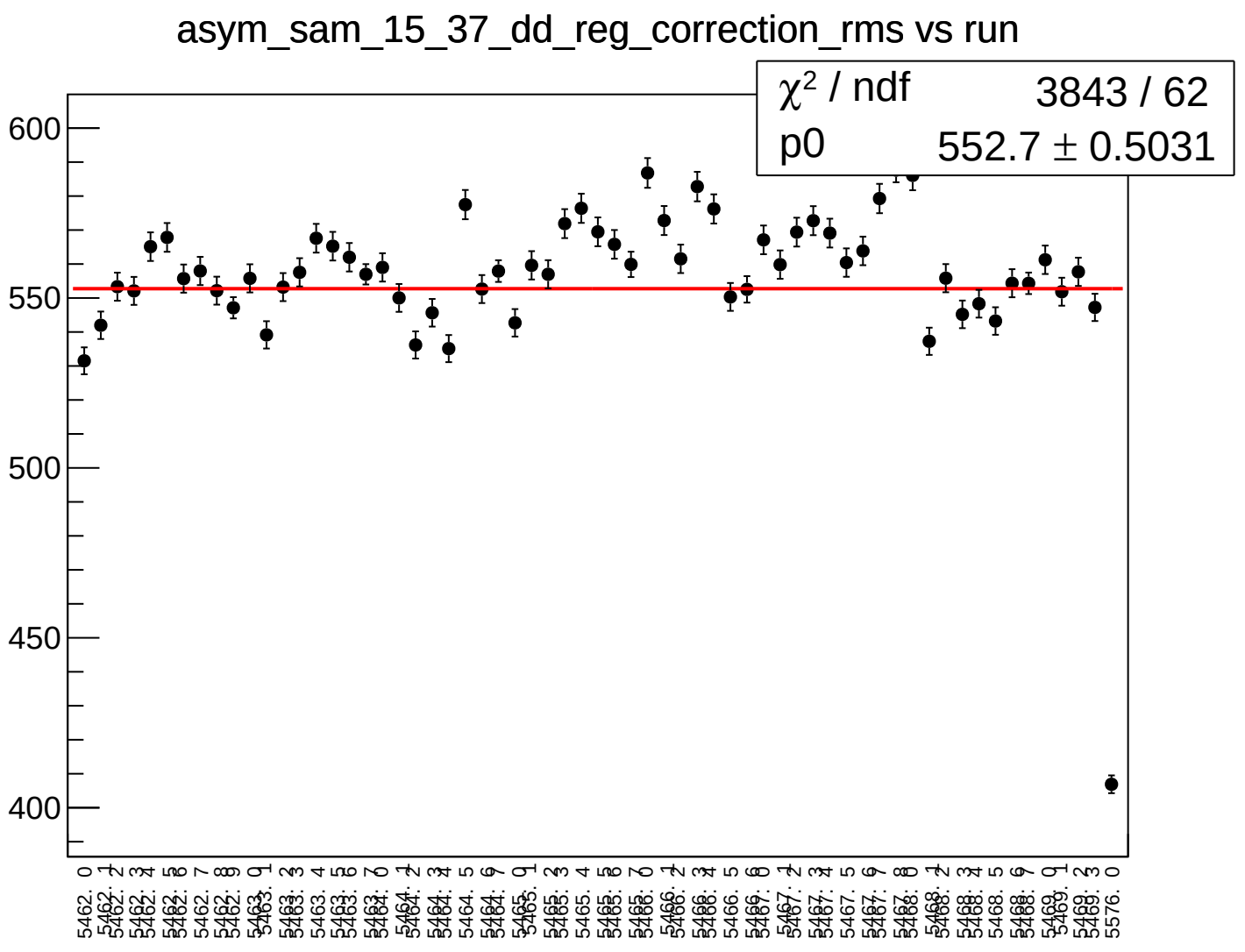

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.74 / 62
p0 54.56 ± 129
pull
Entries 63
Mean 165.5
Std Dev 0

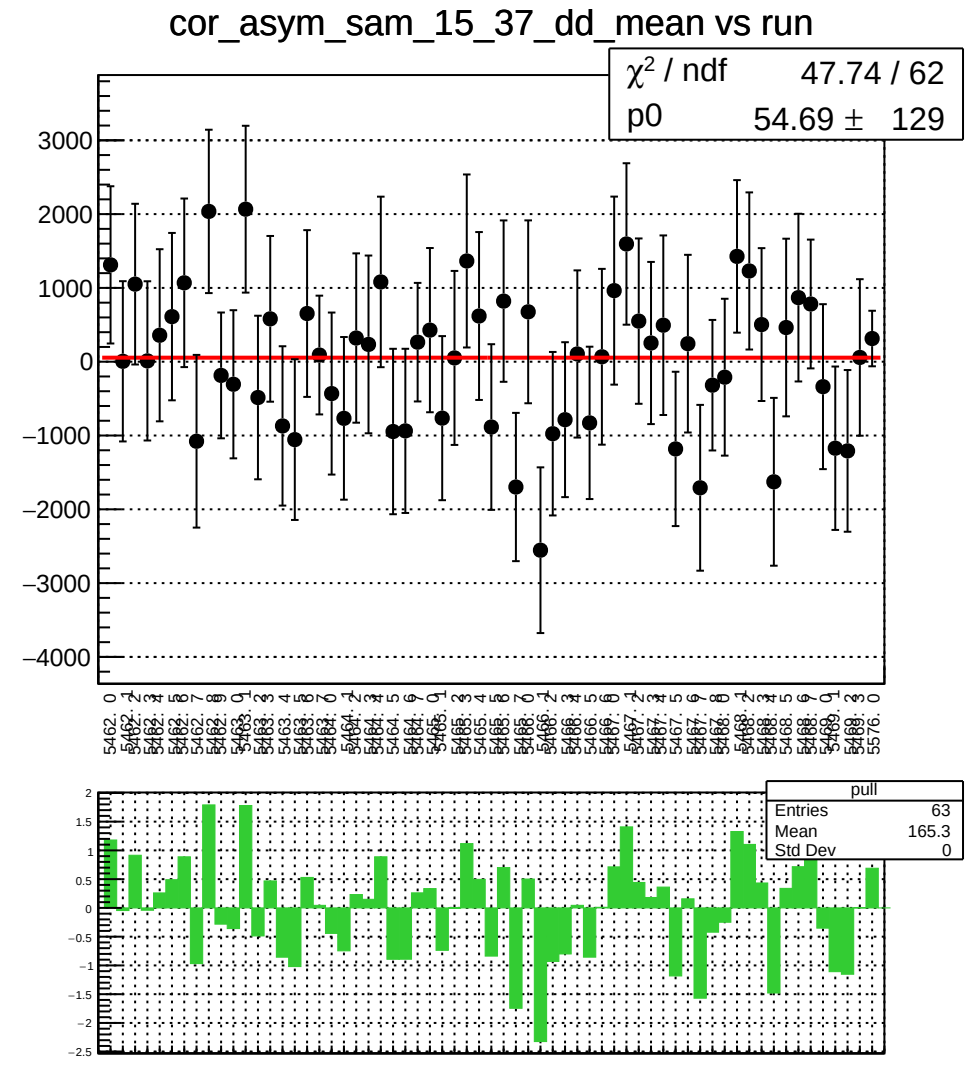

pull1D
Entries 63
Mean −0.01556
Std Dev 0.8703

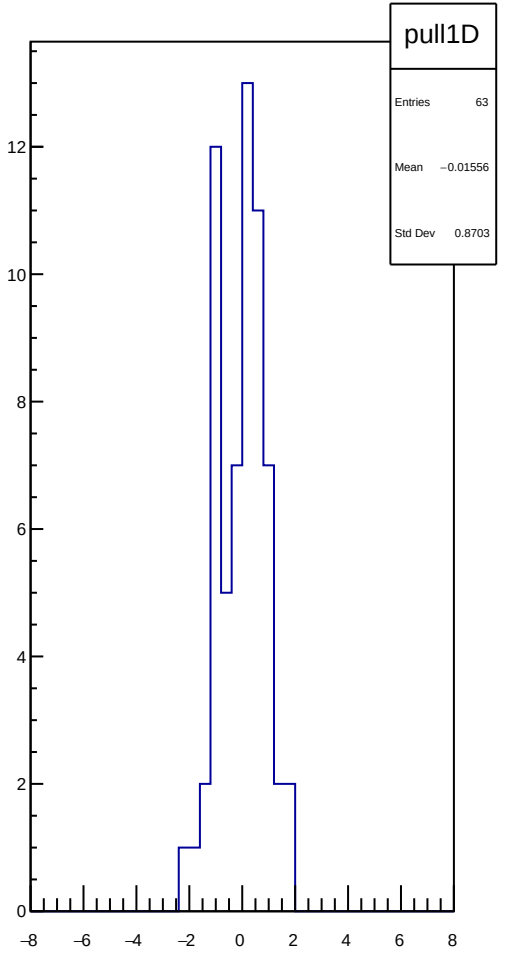

reg_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5.401e+04 / 62
p0 98.08 ± 0.09119
120
110
100
90
80
70
60
50
40

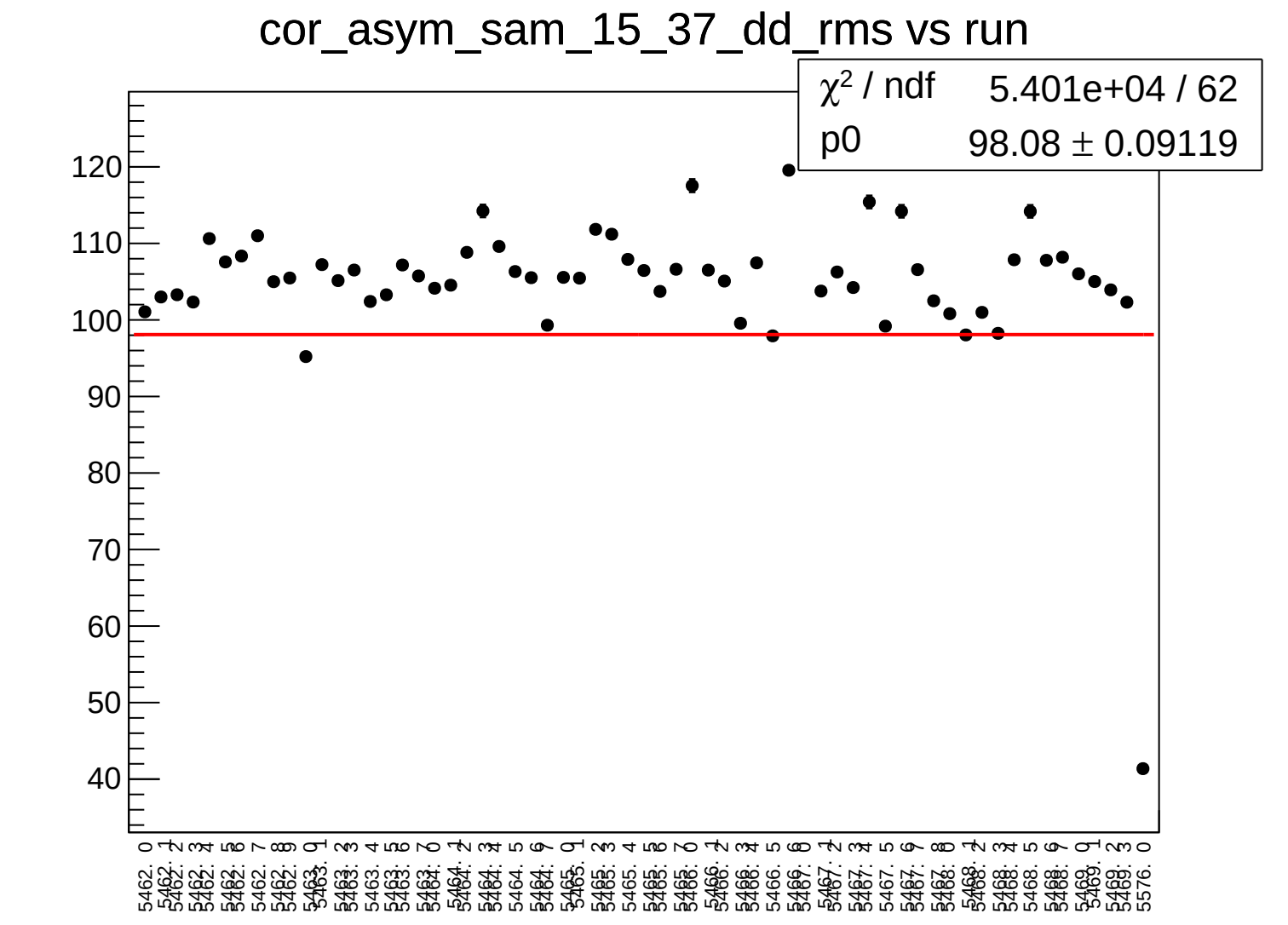

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 69.68 / 62
p0 −474.4 ± 711.5
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 13.94
Std Dev 0
2
1
0
−1
−2
−3

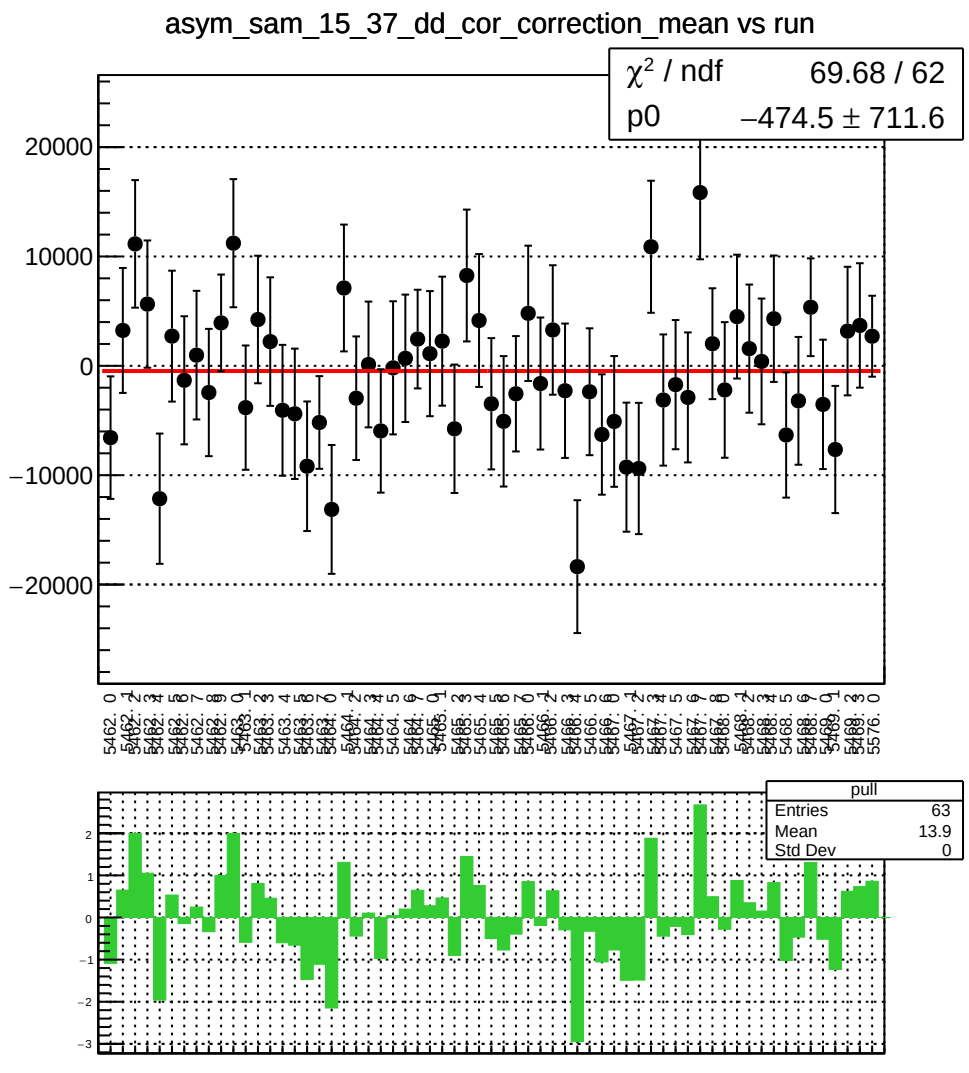

pull1D
Entries 63
Mean −0.01526
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

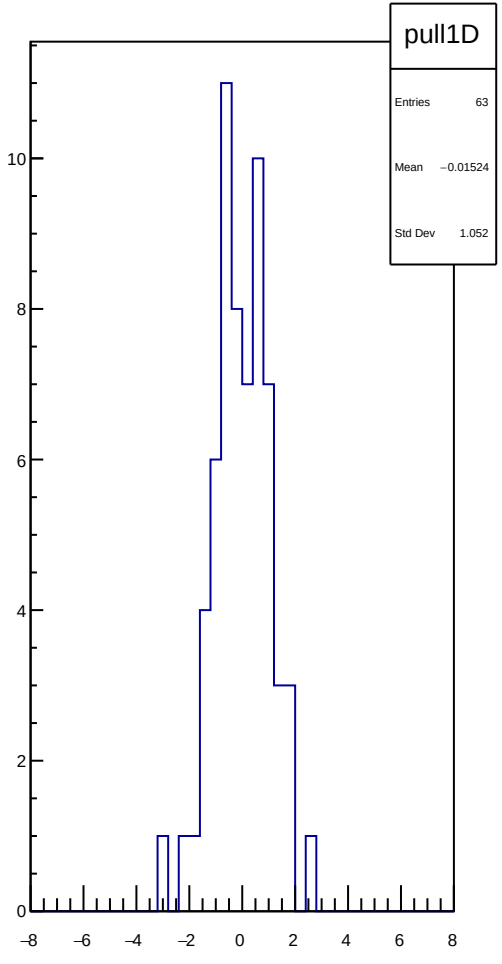

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 3843 / 62
p0 552.7 ± 0.5031
600
550
500
450
400

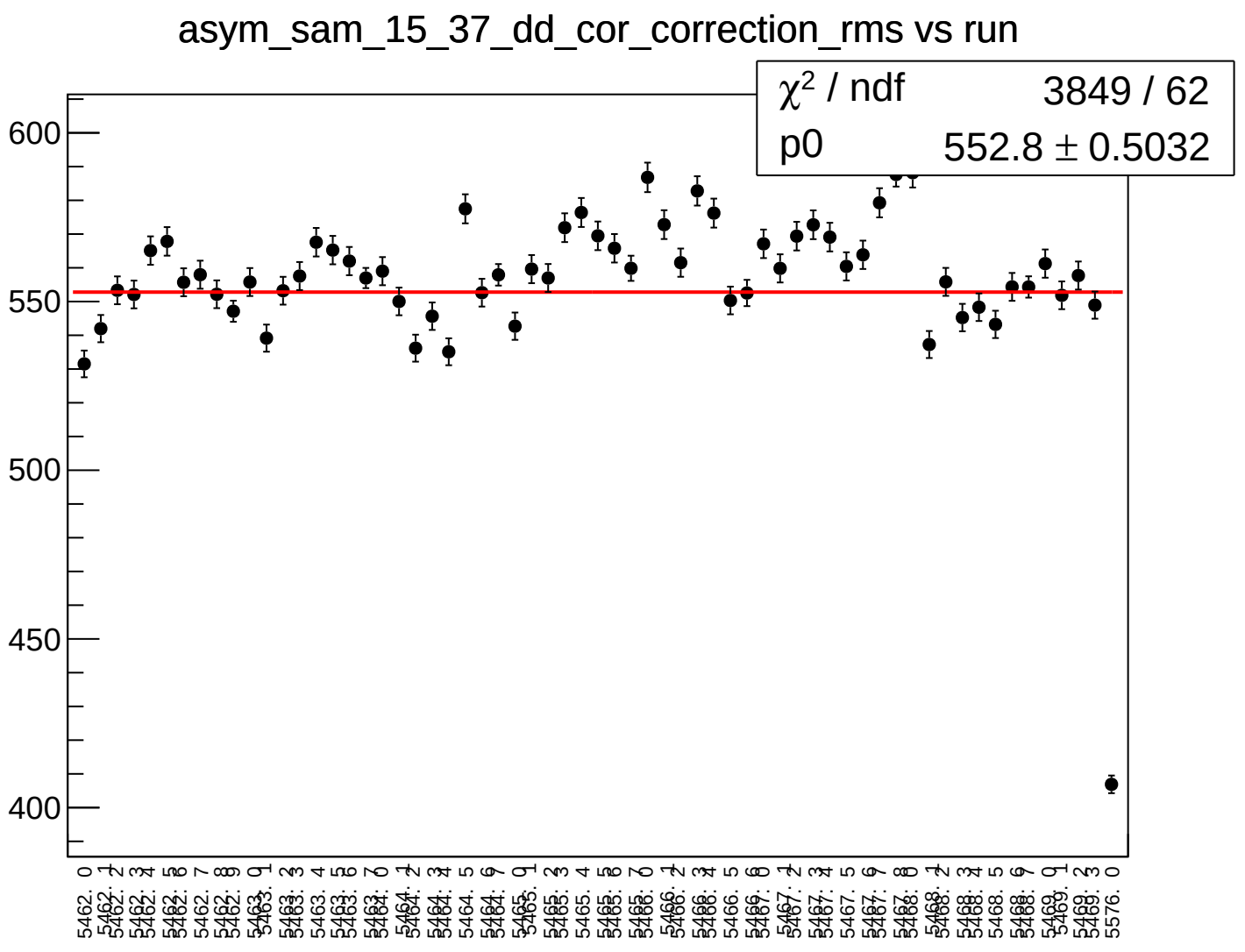

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.74 / 62
p0 54.69 ± 129
pull
Entries 63
Mean 165.3
Std Dev 0

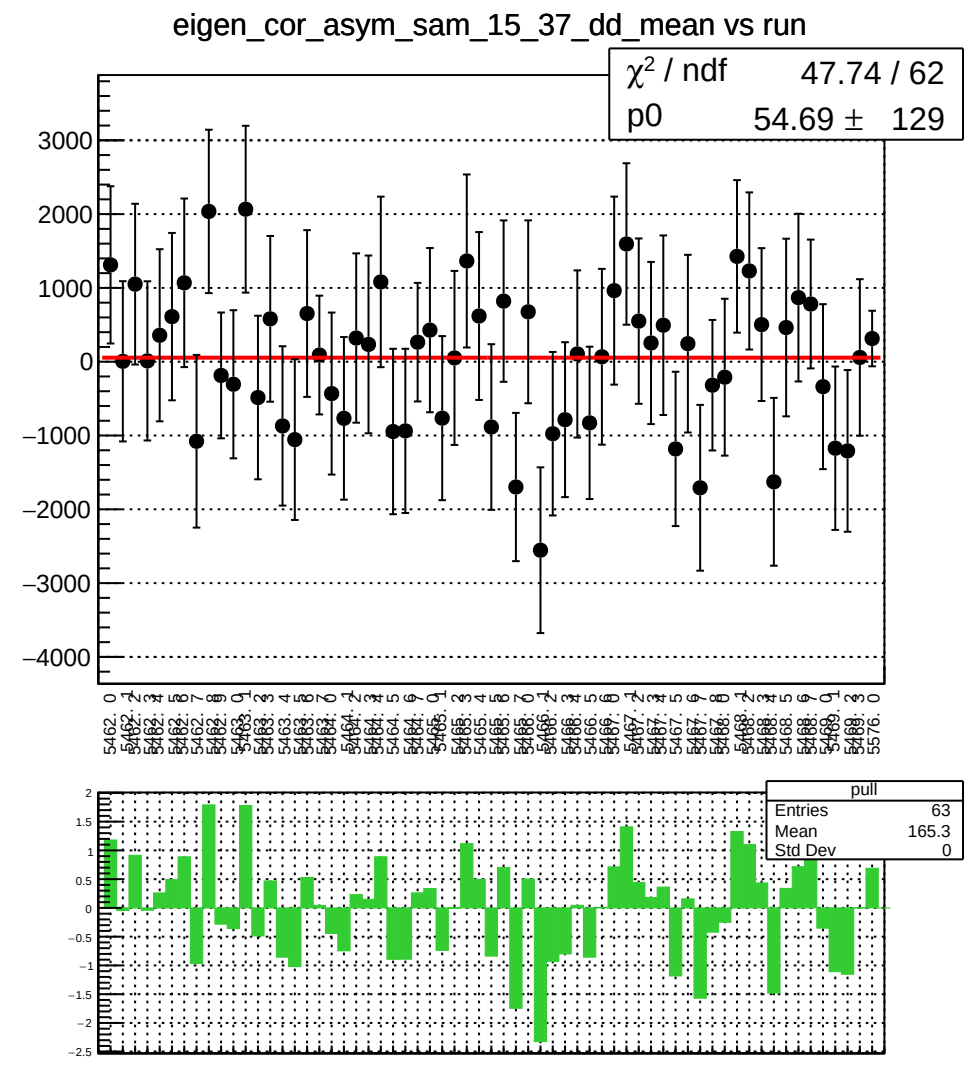

pull1D
Entries 63
Mean −0.01556
Std Dev 0.8703

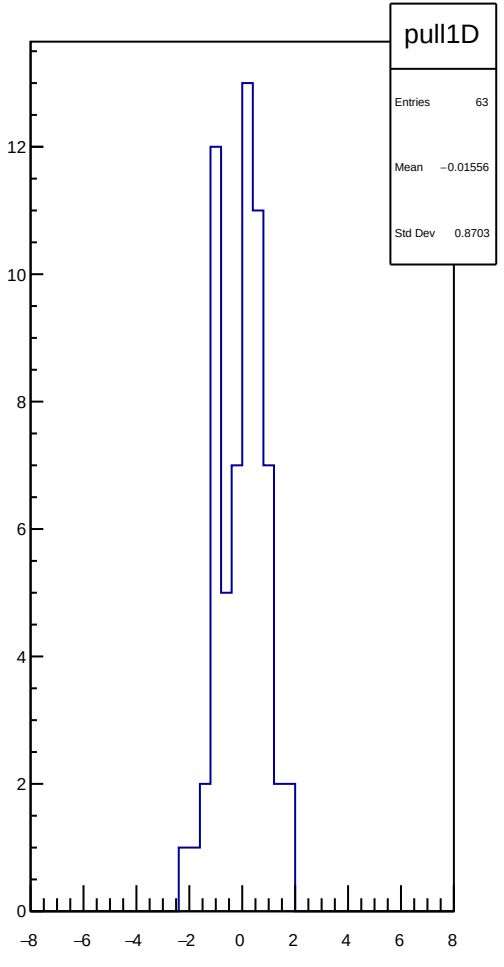

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 5.401e+04 / 62
p0 98.08 ± 0.09119
120
110
100
90
80
70
60
50
40

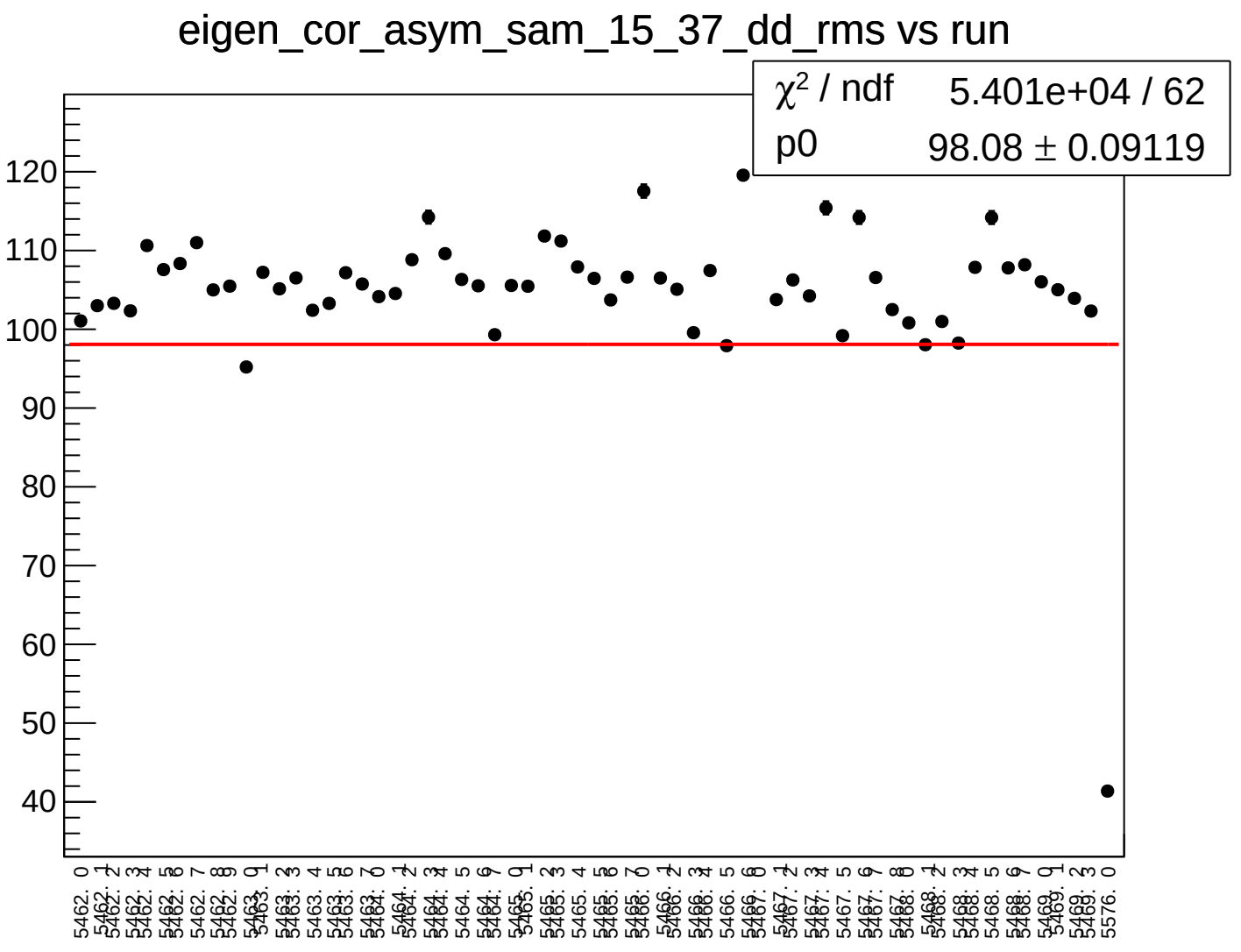

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 69.68 / 62
p0 −474.5 ± 711.6
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 13.9
Std Dev 0
2
1
0
−1
−2
−3

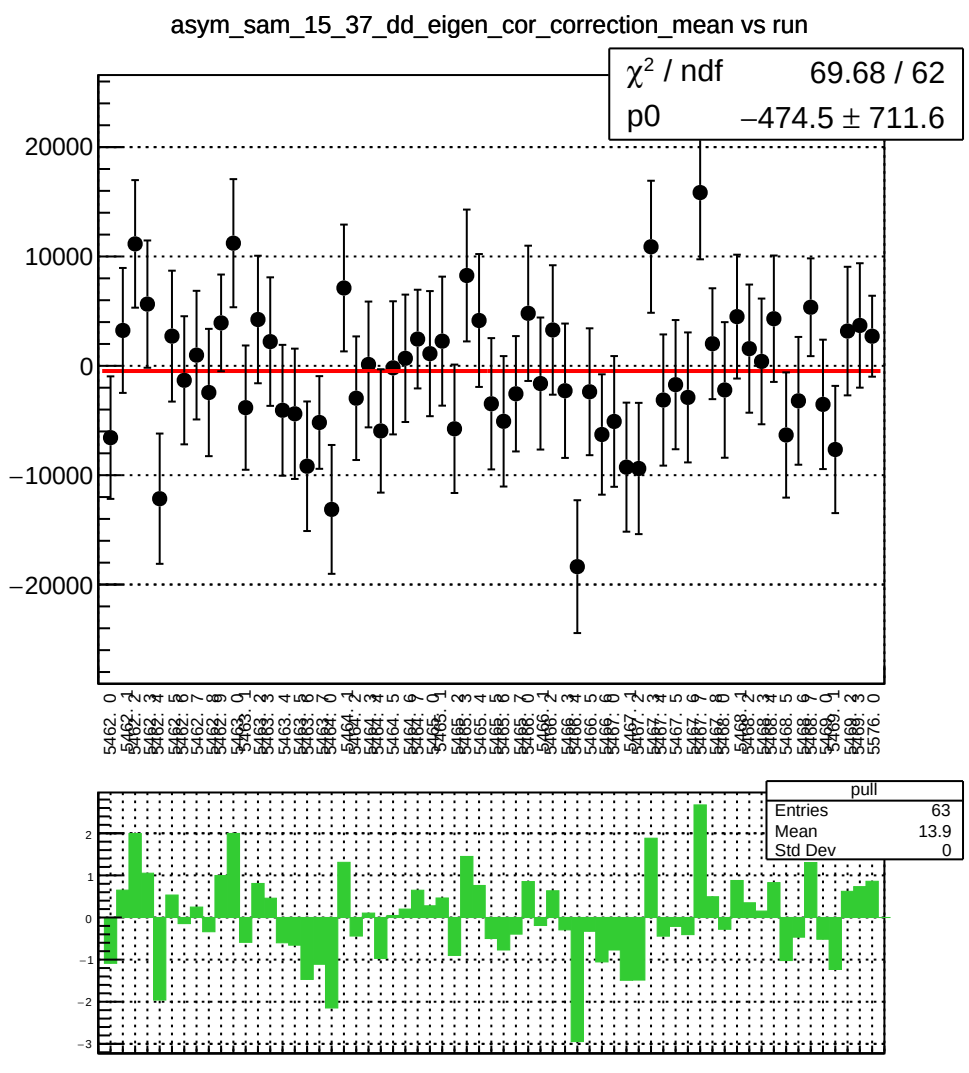

pull1D
Entries 63
Mean −0.01524
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

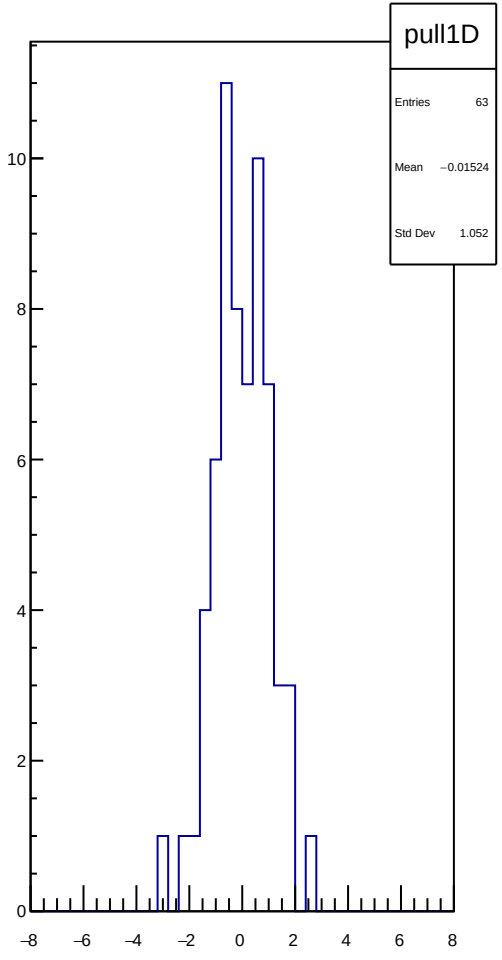

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 3849 / 62
p0 552.8 ± 0.5032
600
550
500
450
400

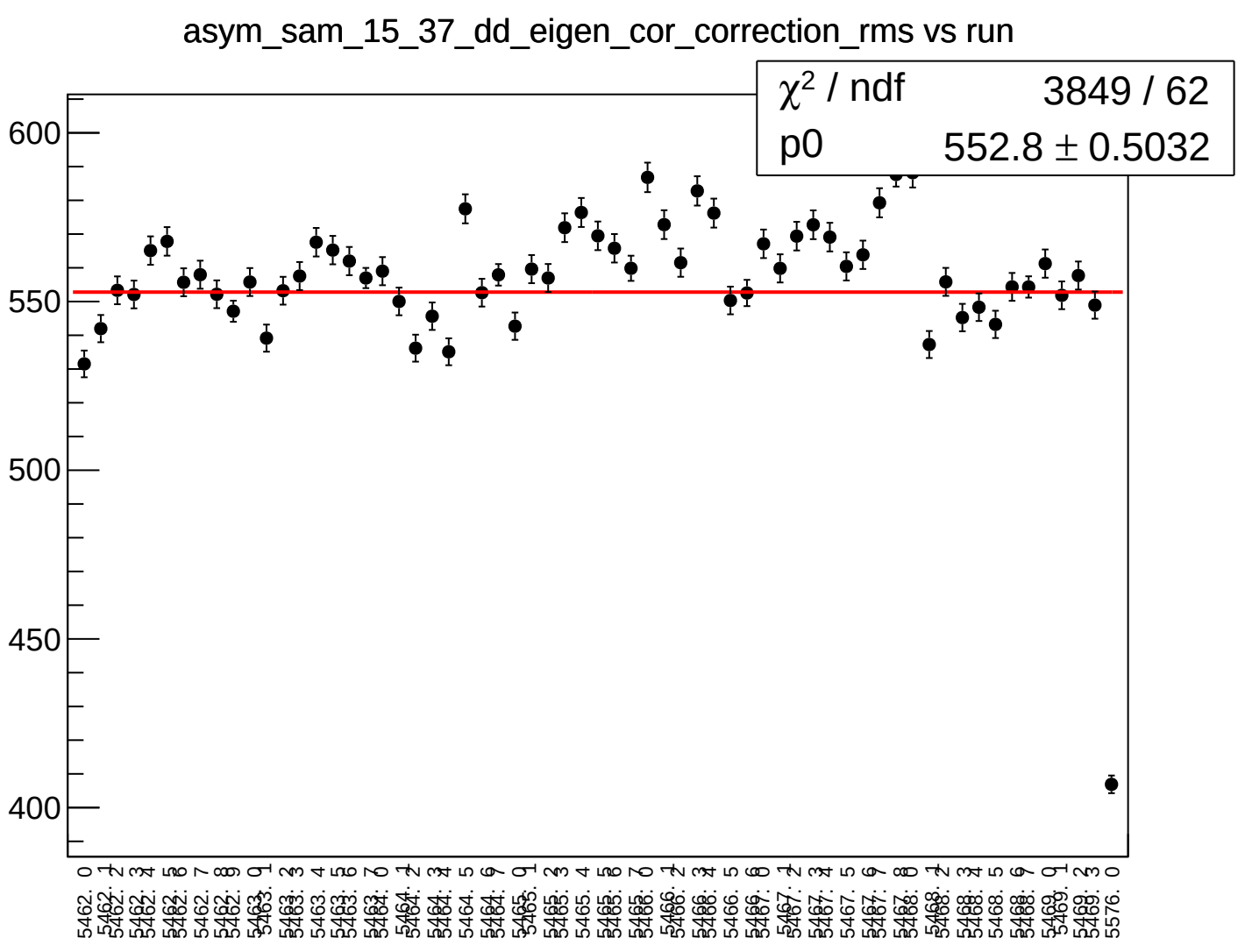

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.74 / 62
p0 54.69 ± 129
pull
Entries 63
Mean 165.3
Std Dev 0

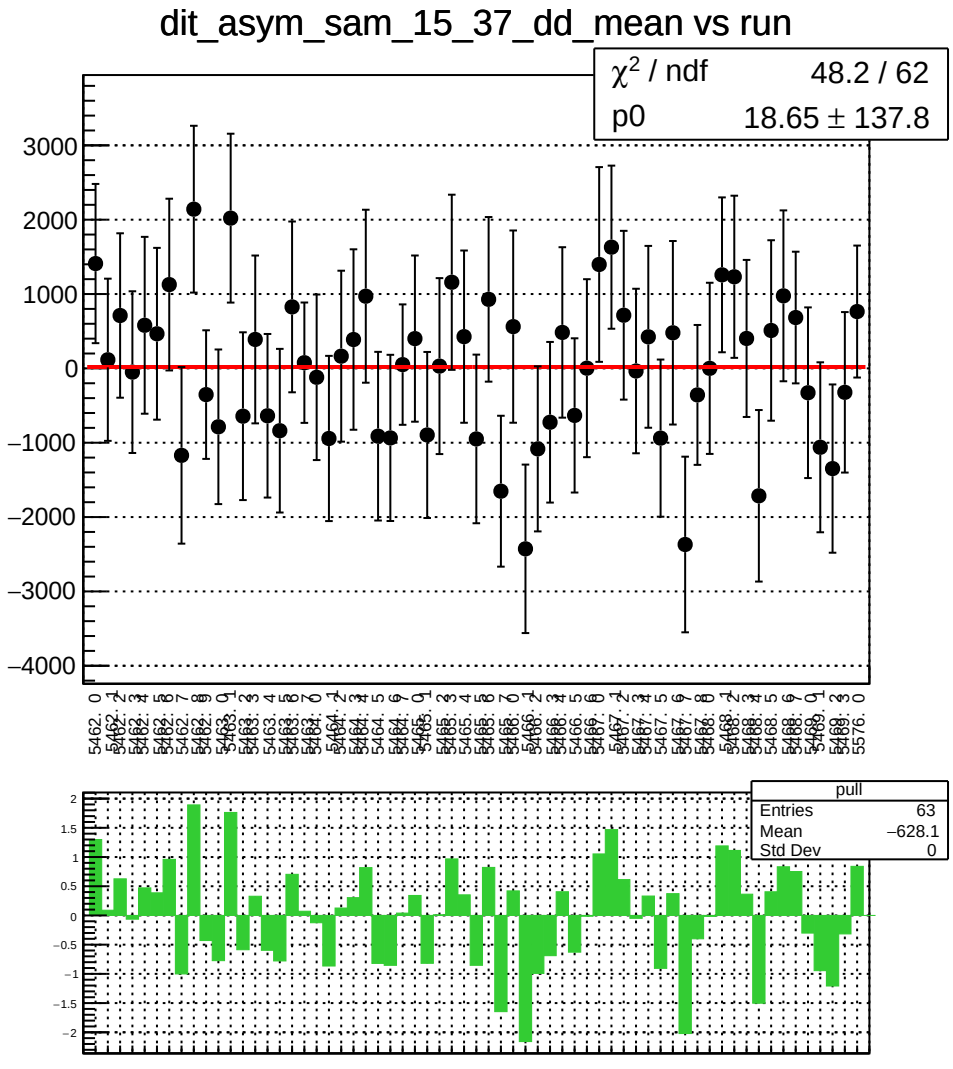

pull1D
Entries 63
Mean −0.01556
Std Dev 0.8703

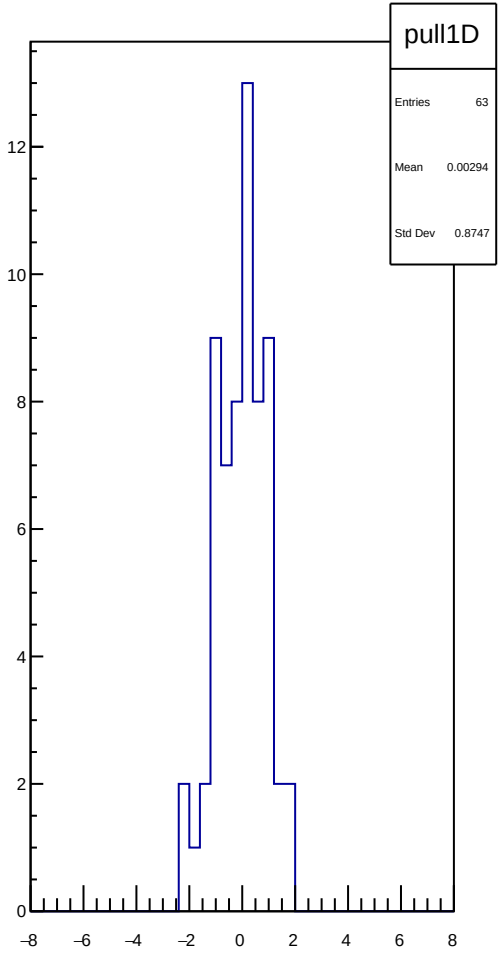

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 5.401e+04 / 62
p0 98.08 ± 0.09119
120
110
100
90
80
70
60
50
40

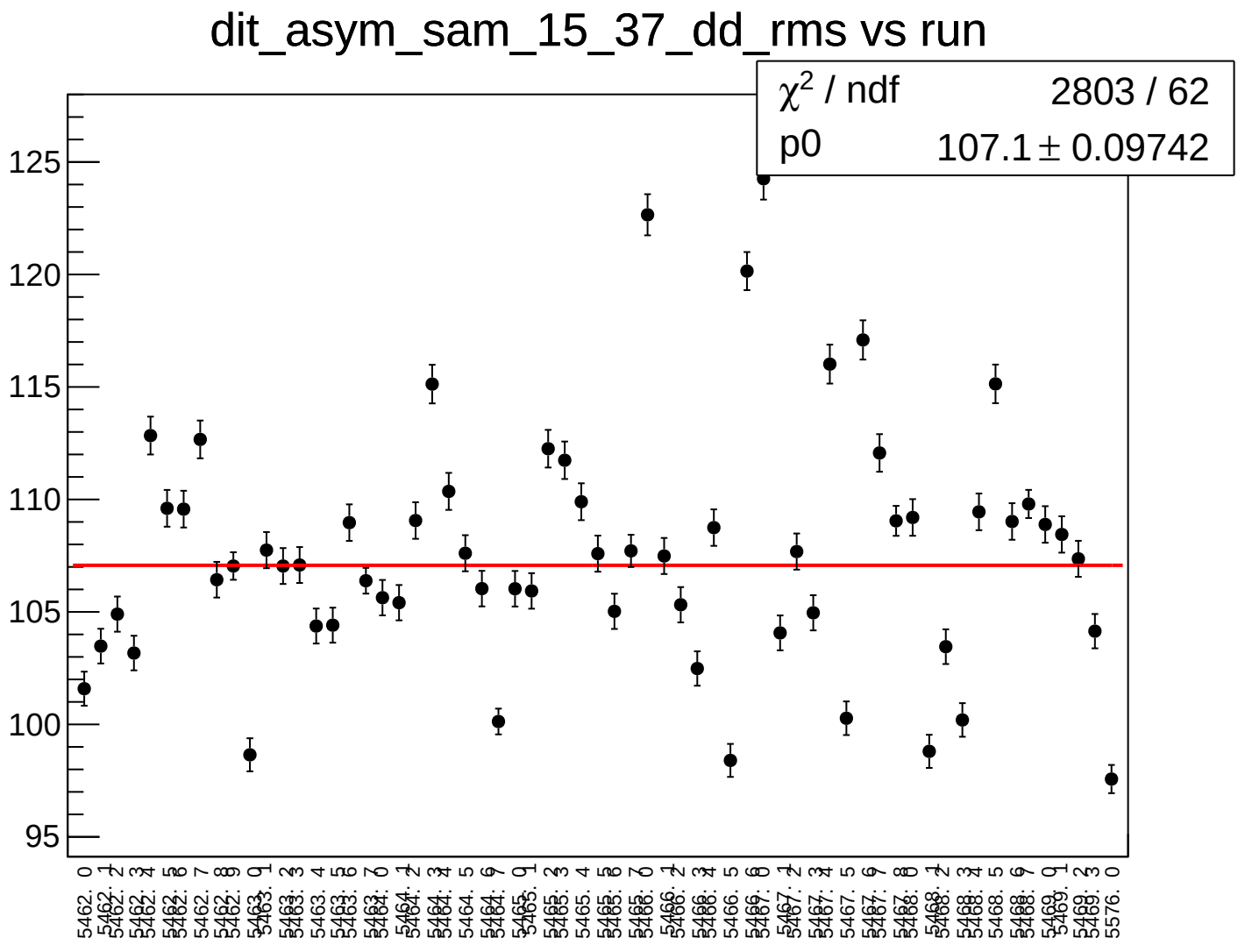

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.68 / 62
p0 −474.5 ± 711.6
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 13.9
Std Dev 0
2
1
0
−1
−2
−3

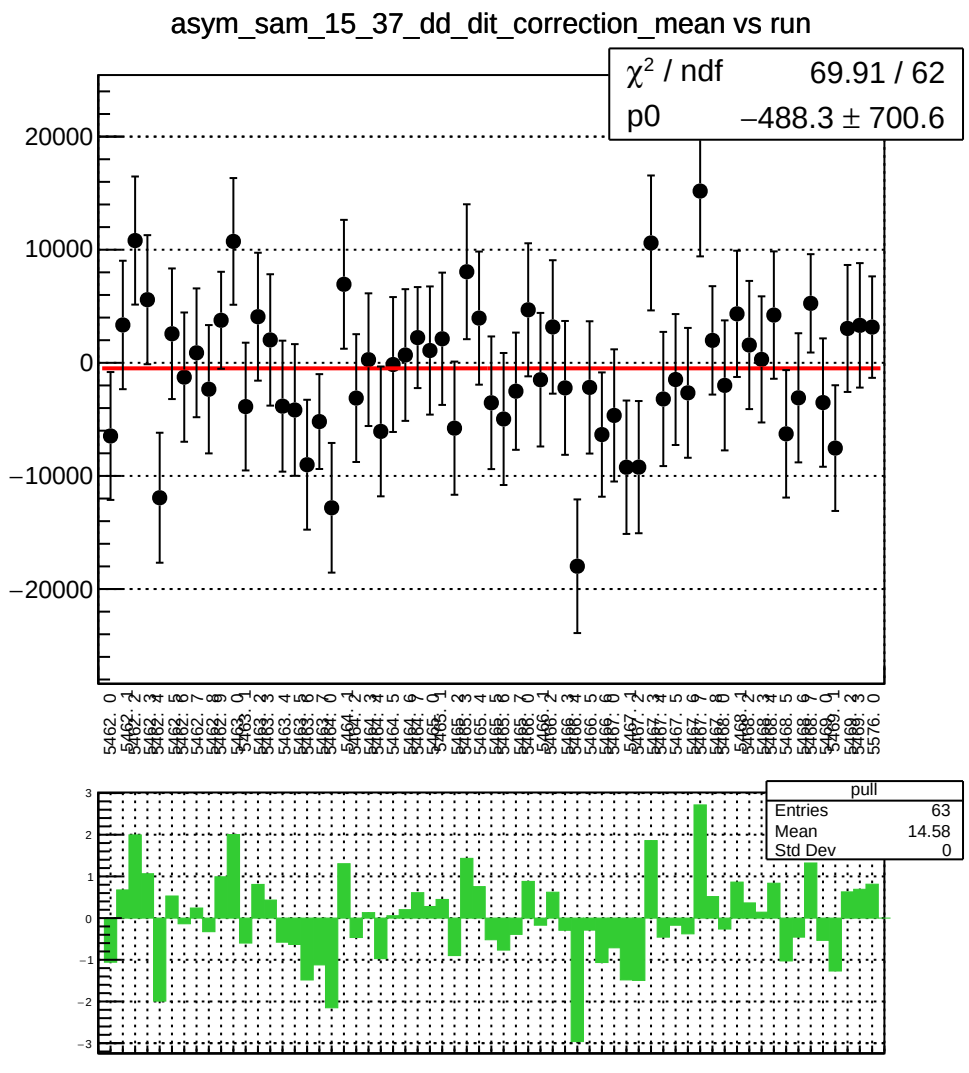

pull1D
Entries 63
Mean −0.01524
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

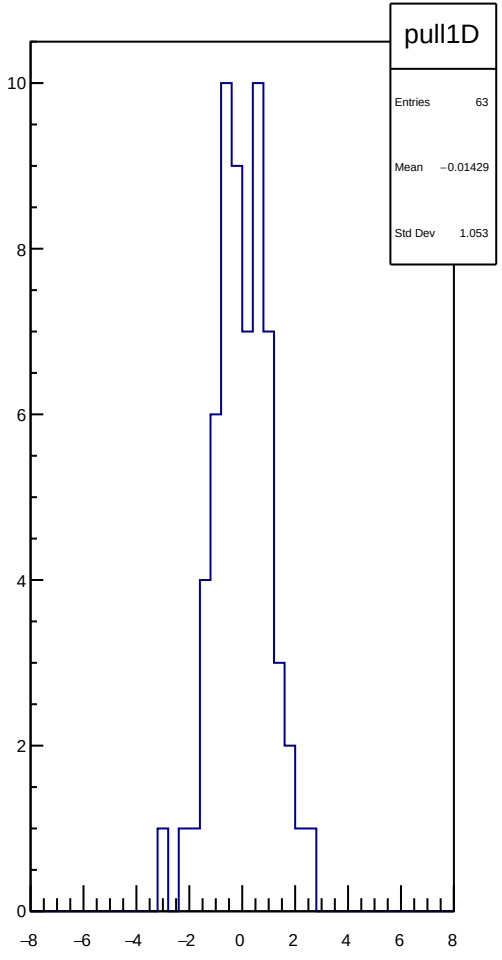

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3849 / 62
p0 552.8 ± 0.5032
600
550
500
450
400

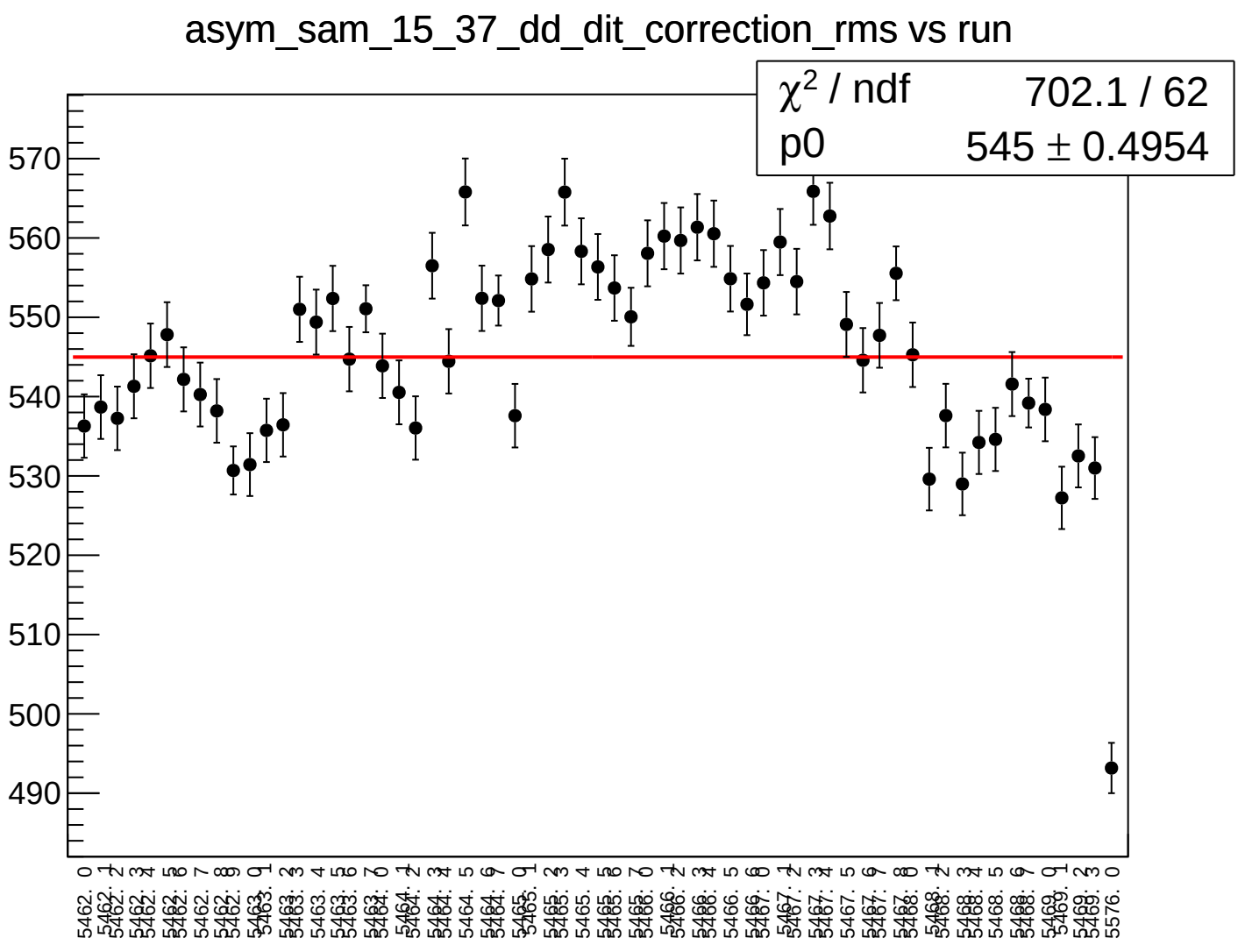

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.2 / 62
p0 18.65 ± 137.8
pull
Entries 63
Mean −628.1
Std Dev 0

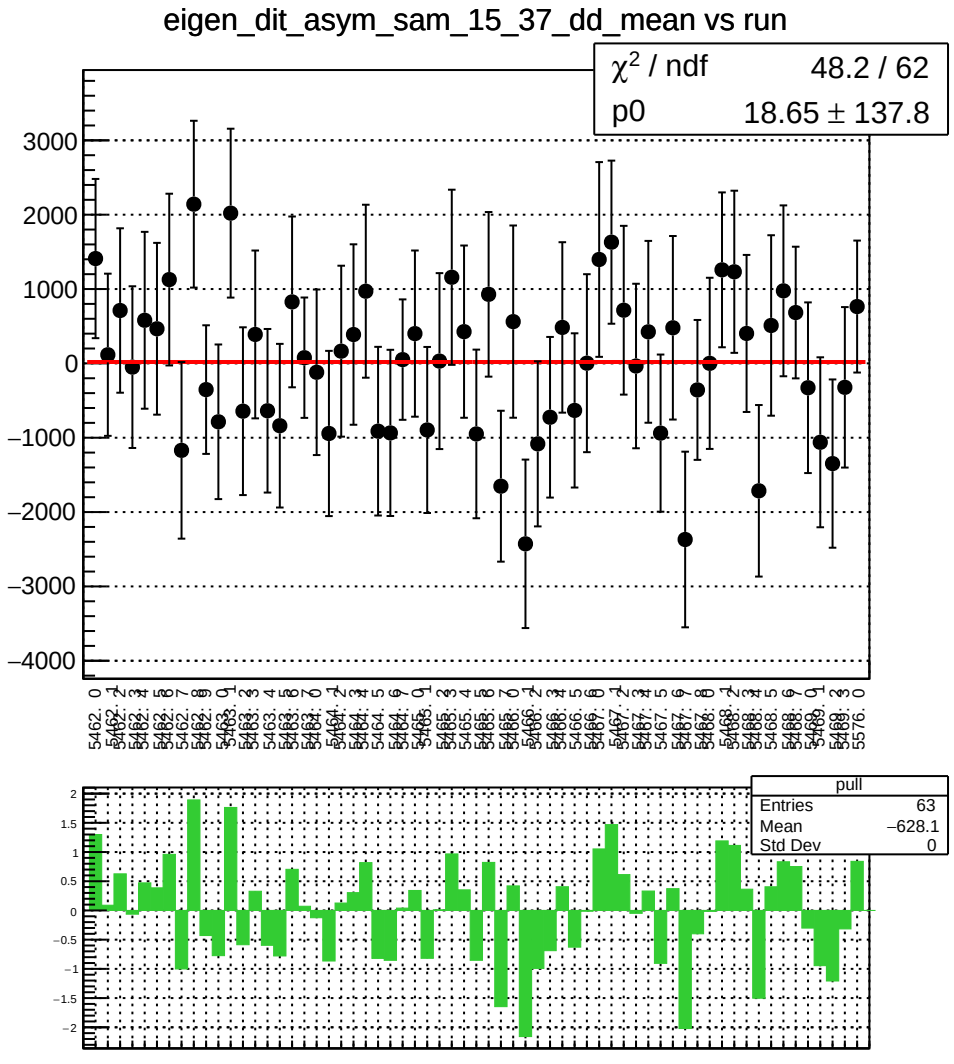

pull1D
Entries 63
Mean 0.00294
Std Dev 0.8747

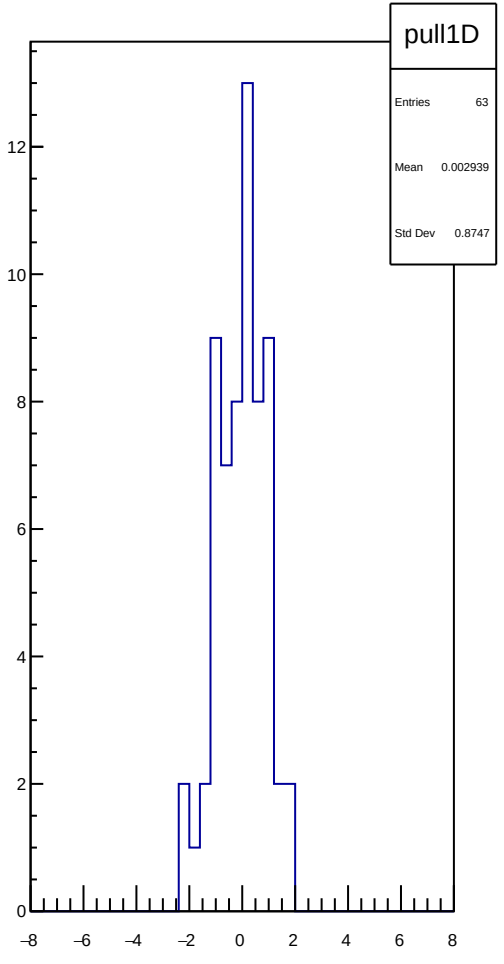

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2803 / 62
p0 107.1 ± 0.09742
125
120
115
110
105
100
95

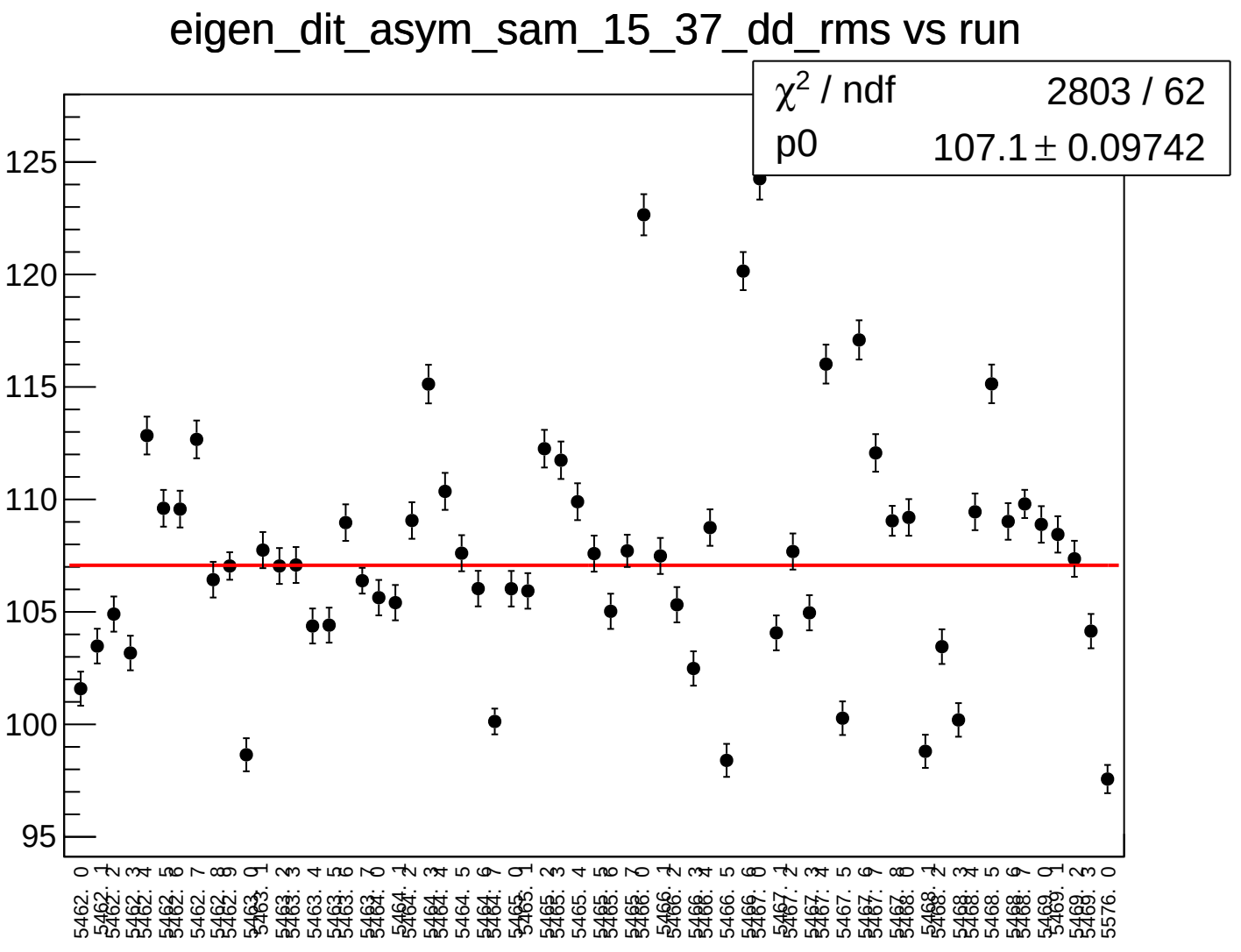

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 69.91 / 62
p0 −488.3 ± 700.6
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 14.58
Std Dev 0
3
2
1
0
−1
−2
−3

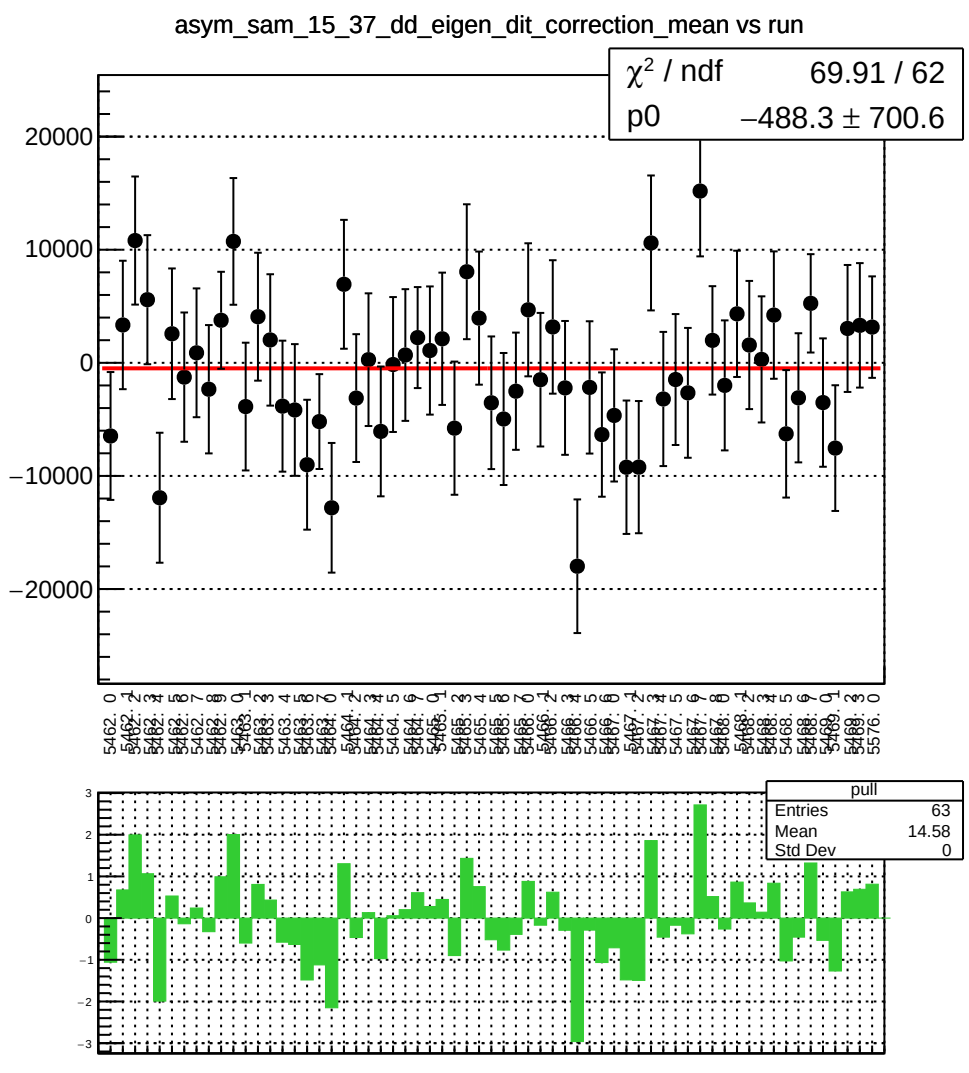

pull1D
Entries 63
Mean −0.01429
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

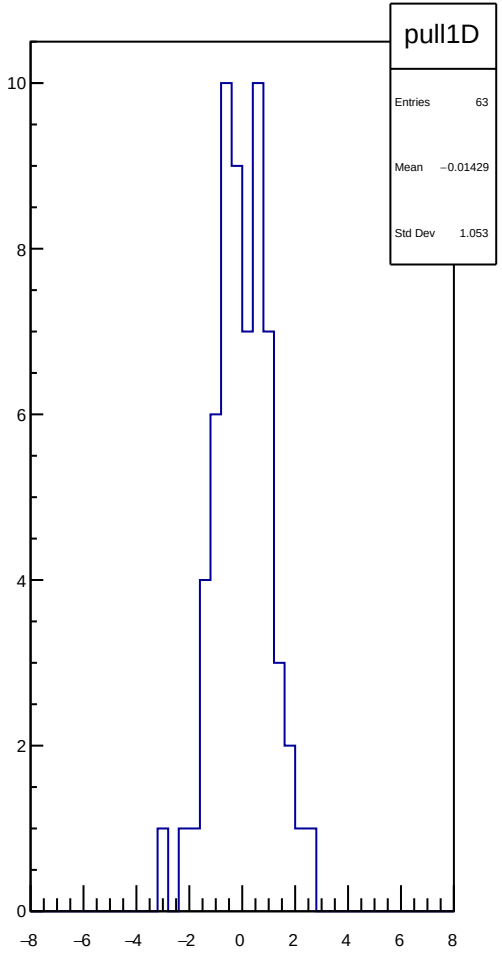

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 702.1 / 62
p0 545 ± 0.4954
570
560
550
540
530
520
510
500
490

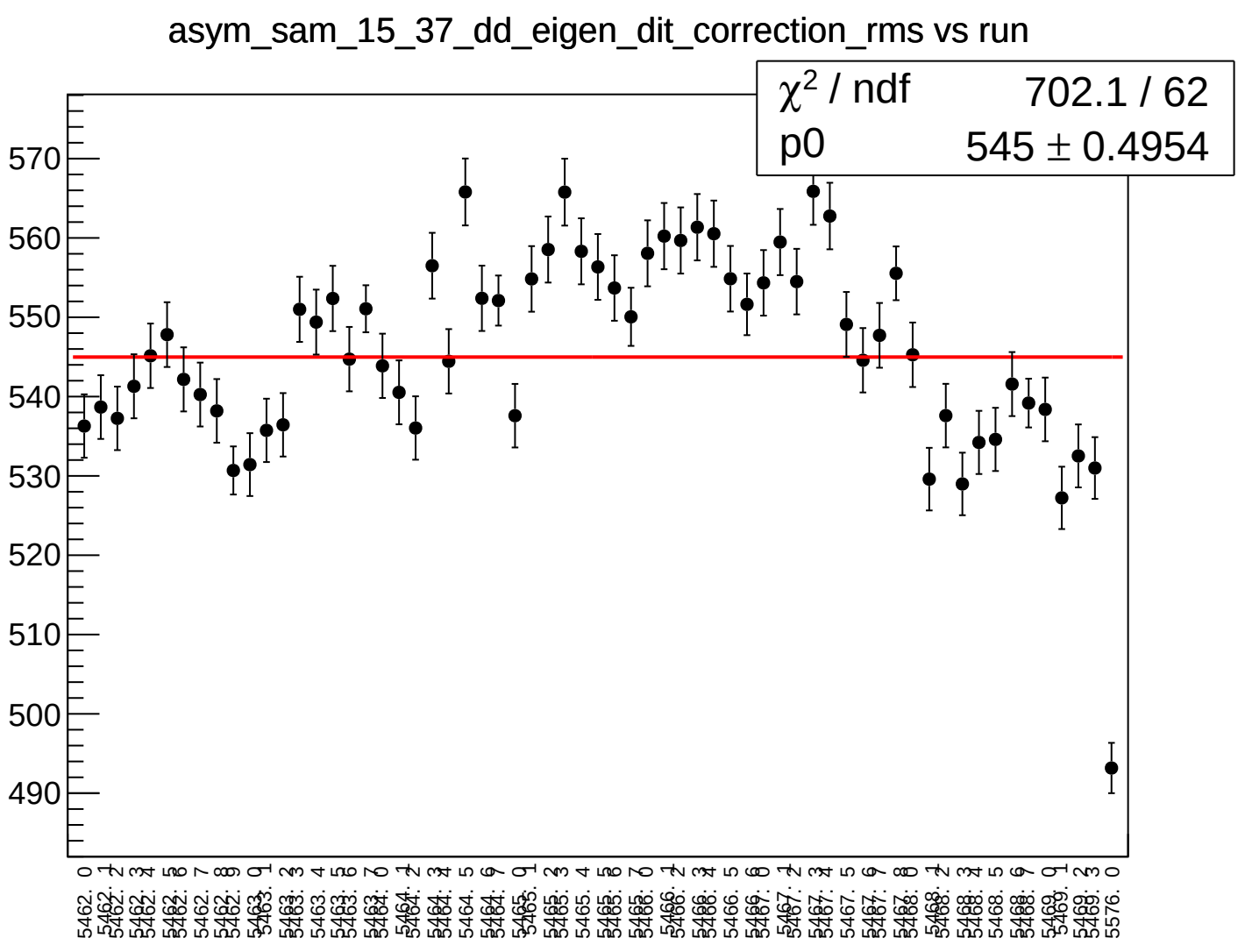

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.2 / 62
p0 18.65 ± 137.8
pull
Entries 63
Mean −628.1
Std Dev 0

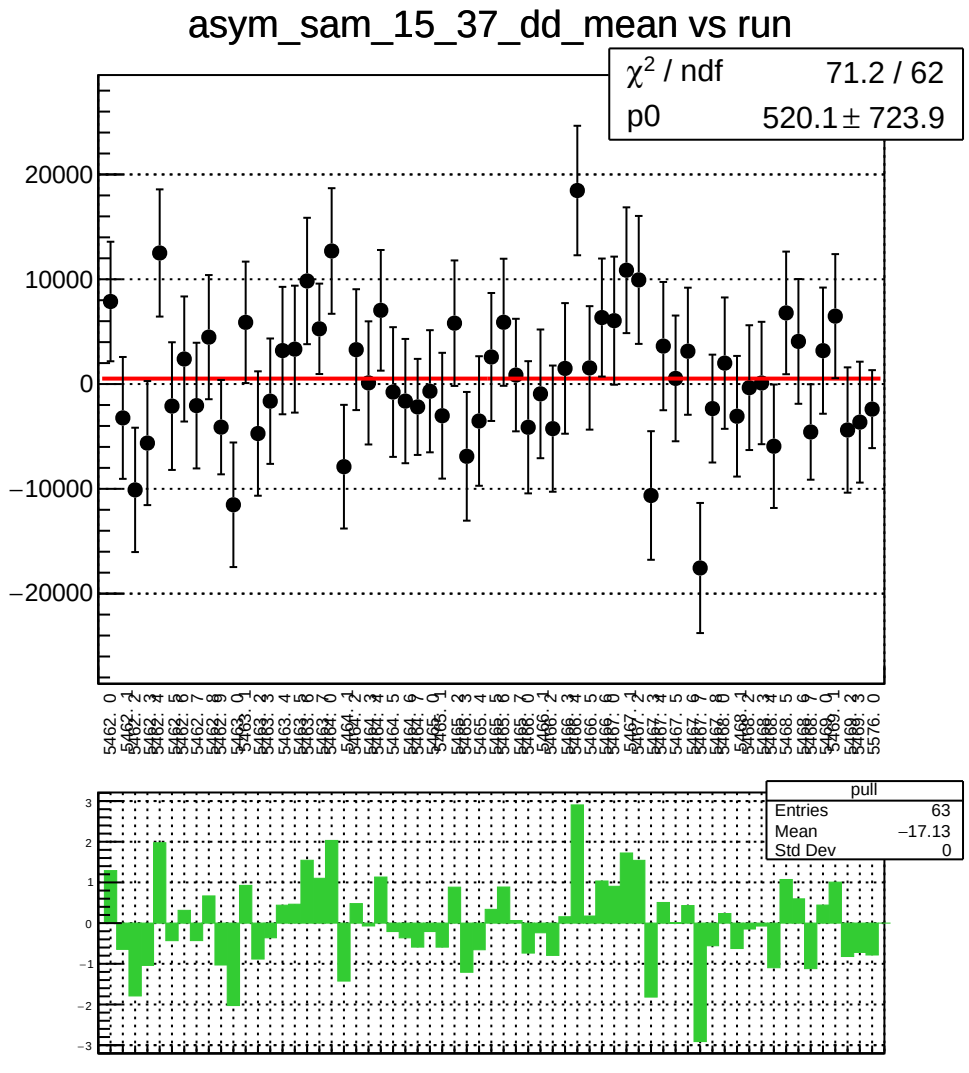

pull1D
Entries 63
Mean 0.002939
Std Dev 0.8747

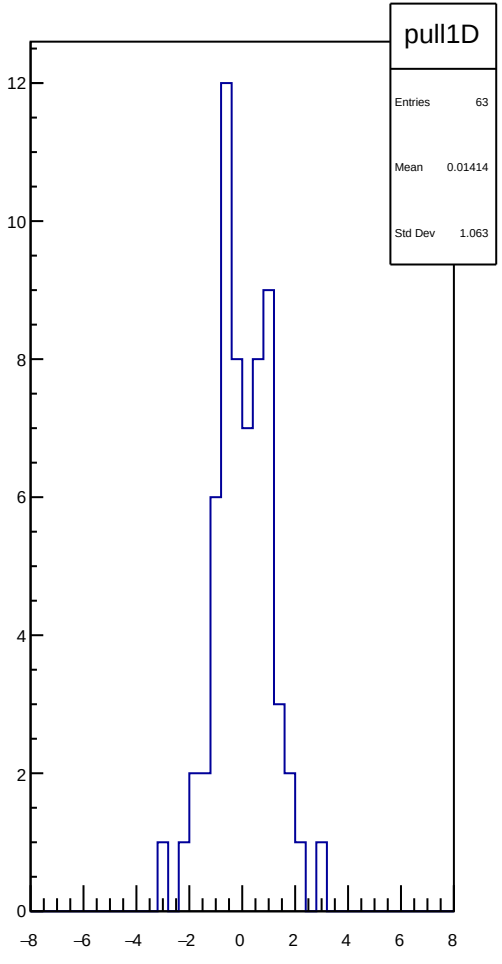

eigen_dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 2803 / 62
p0 107.1 ± 0.09742
125
120
115
110
105
100
95

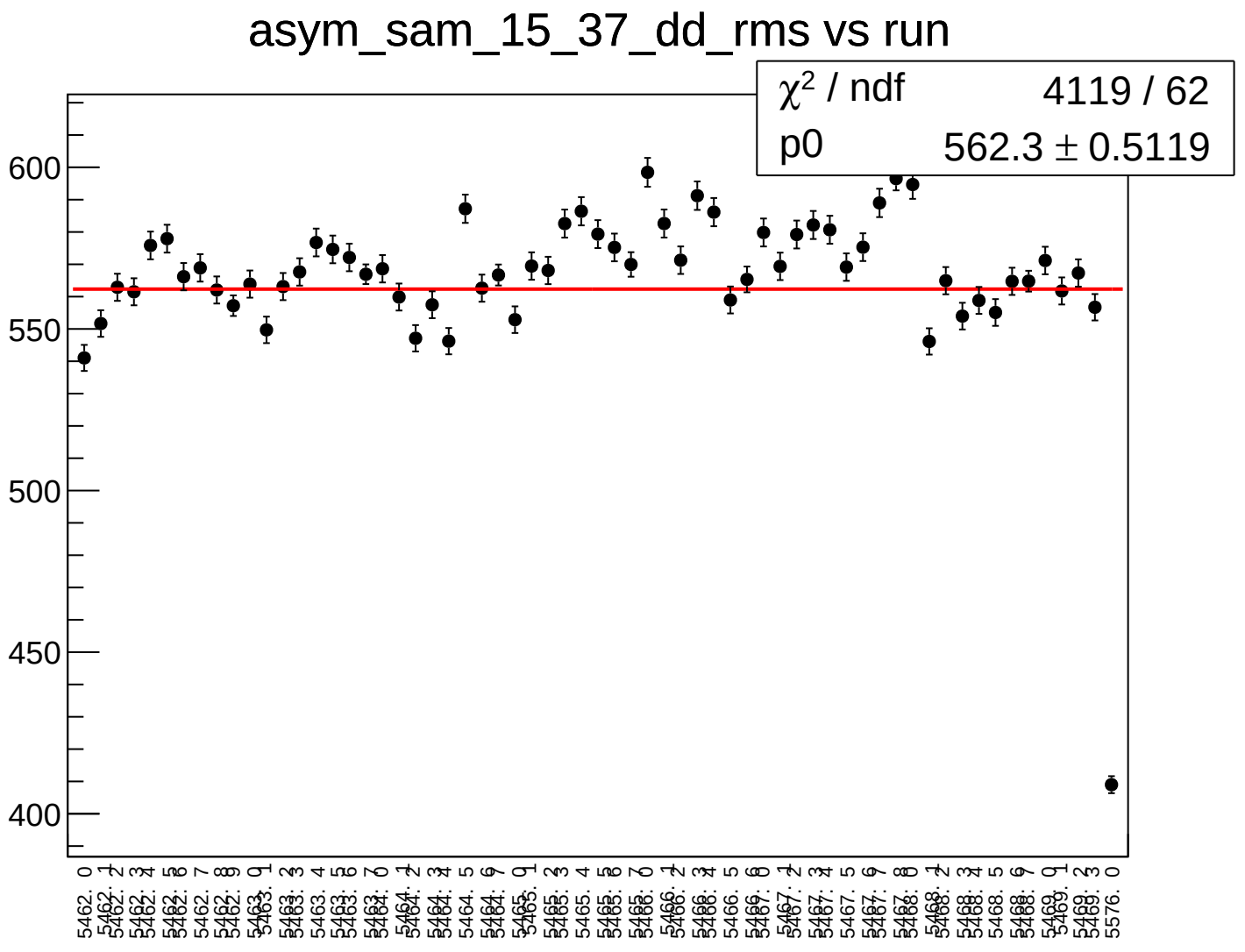

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.91 / 62
p0 −488.3 ± 700.6
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 14.58
Std Dev 0
3
2
1
0
−1
−2
−3

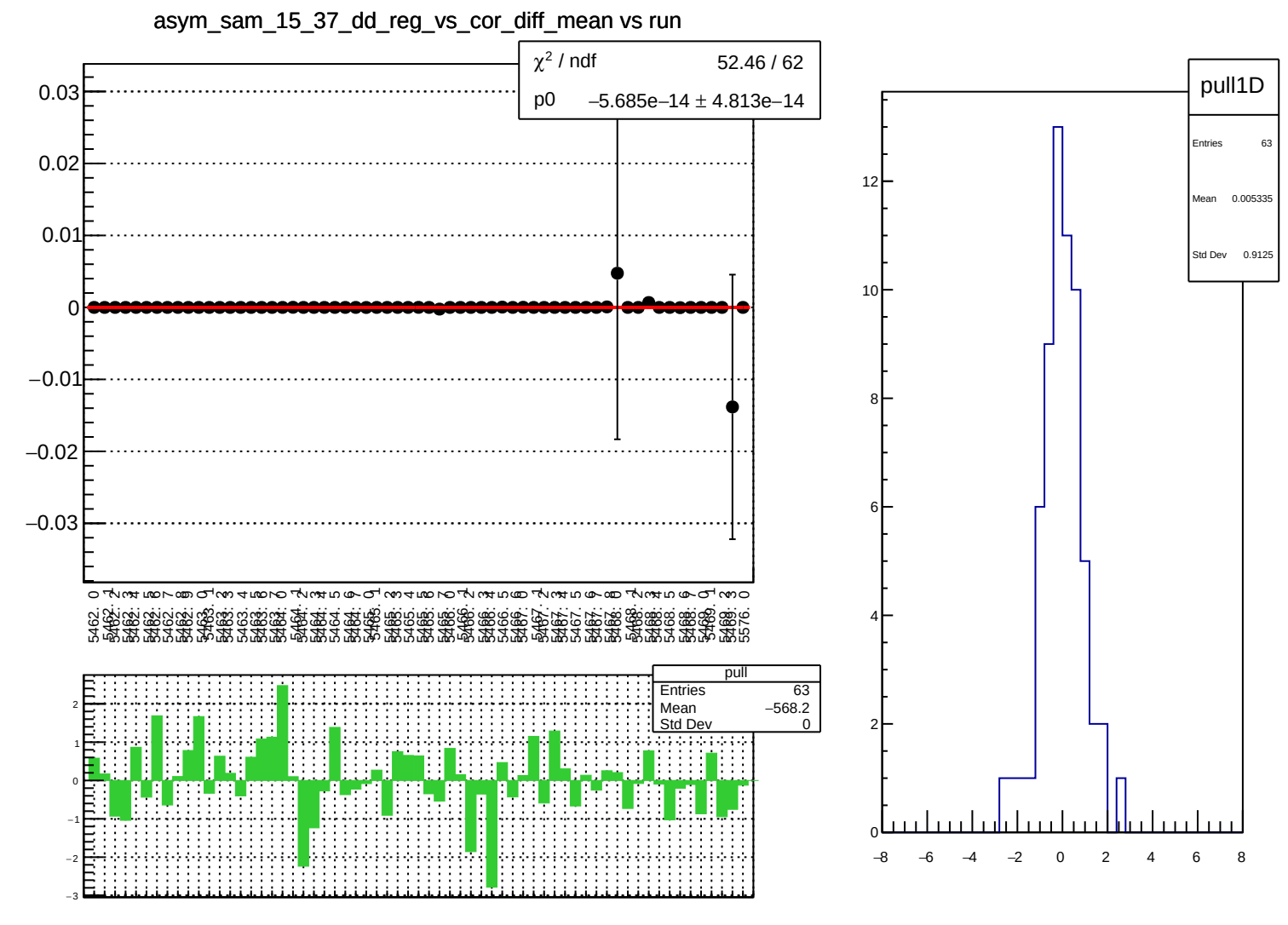

pull1D
Entries 63
Mean −0.01429
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

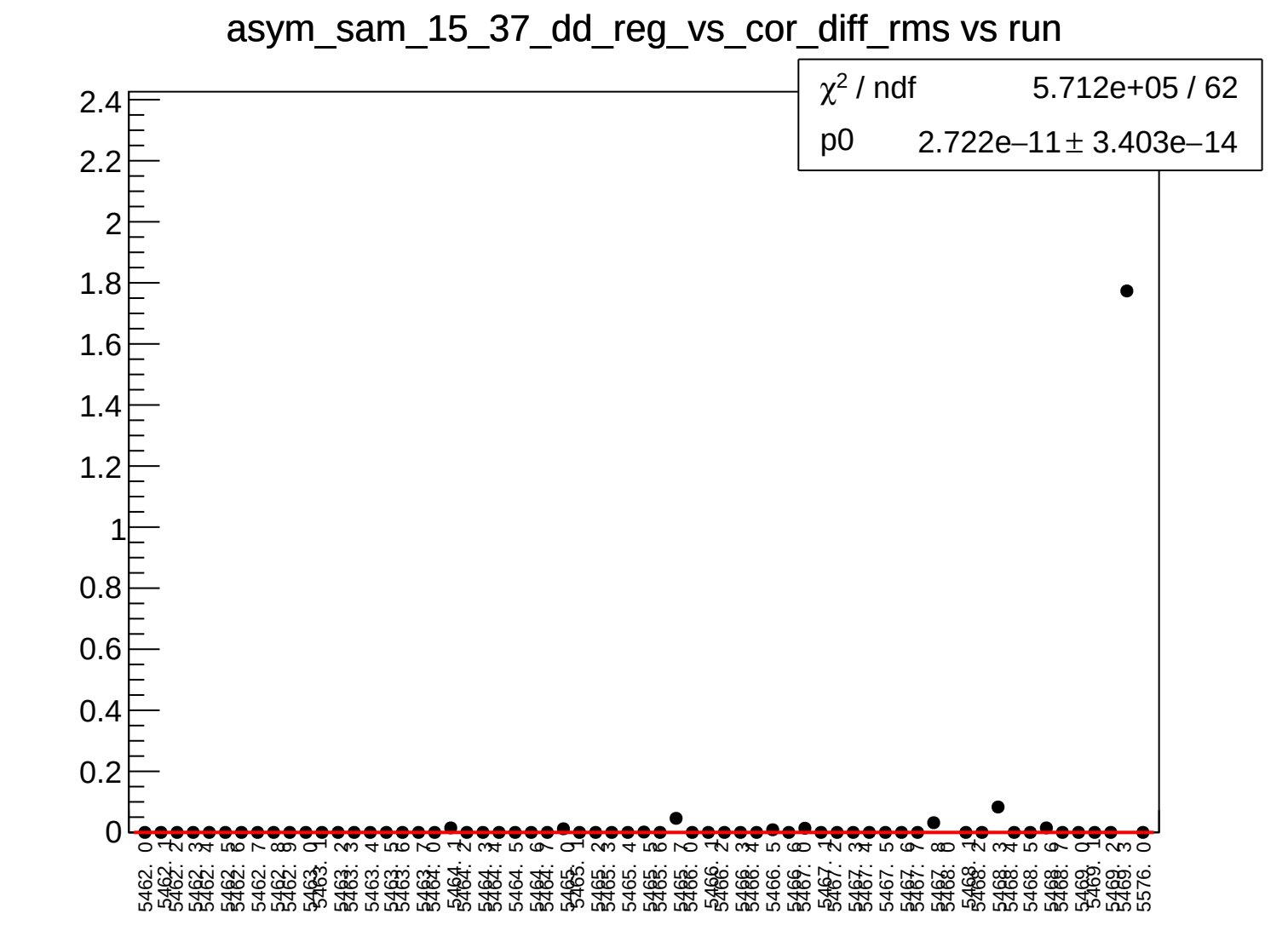

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 702.1 / 62
p0 545 ± 0.4954
570
560
550
540
530
520
510
500
490

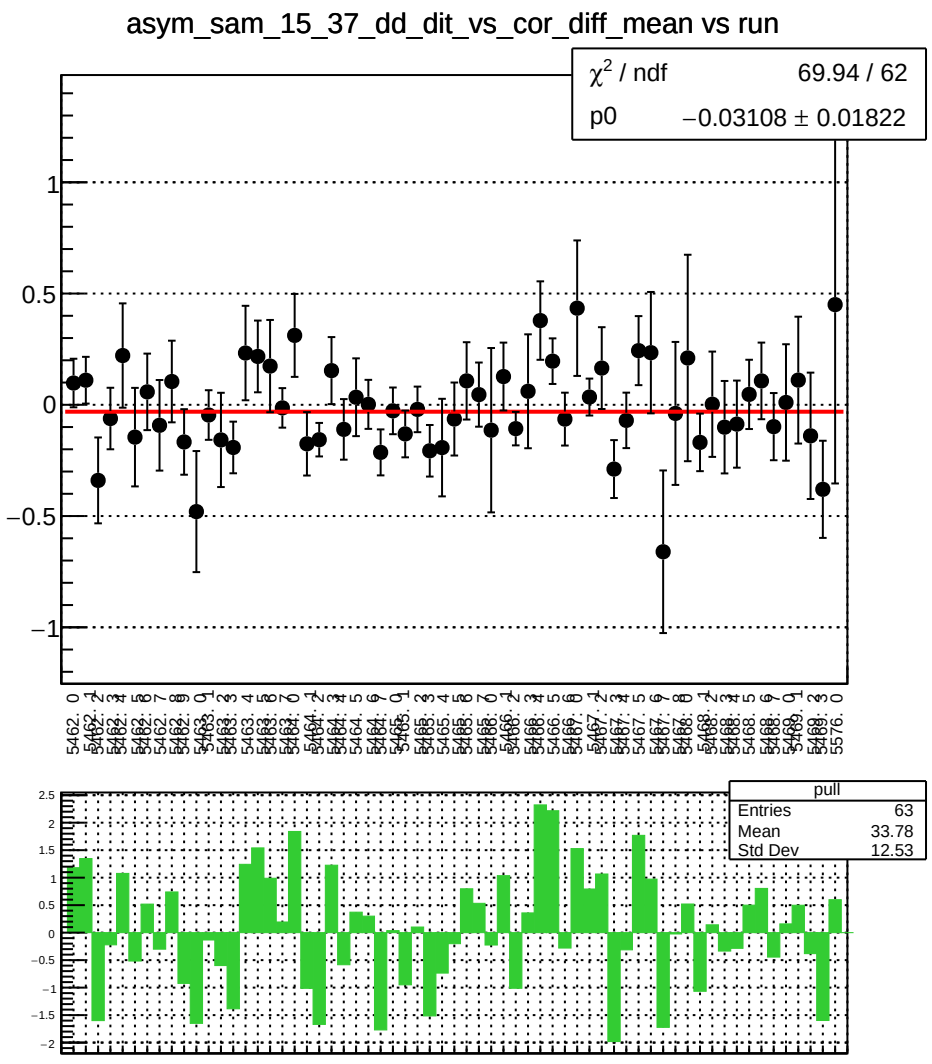

asym_sam_15_37_dd_mean vs run
χ² / ndf 71.2 / 62
p0 520.1 ± 723.9
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −17.13
Std Dev 0
3
2
1
0
−1
−2
−3

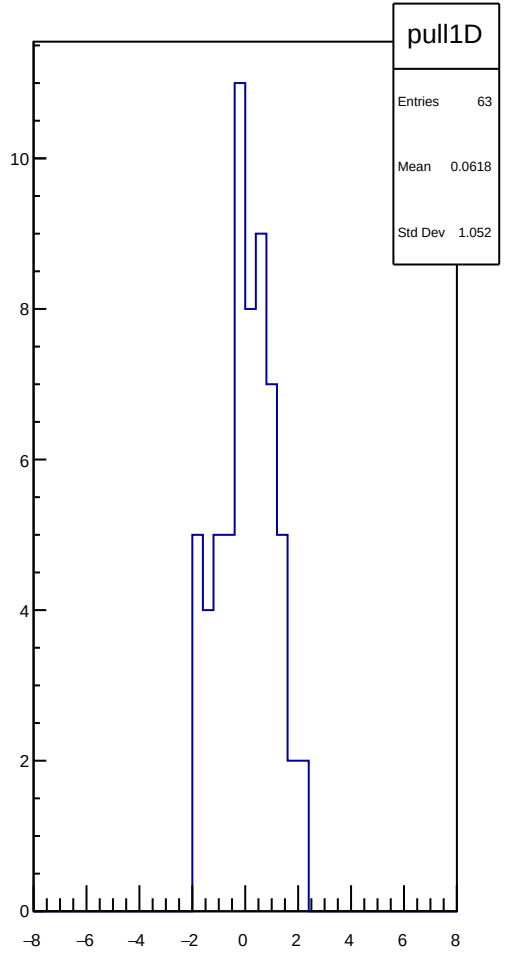

pull1D
Entries 63
Mean 0.01414
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

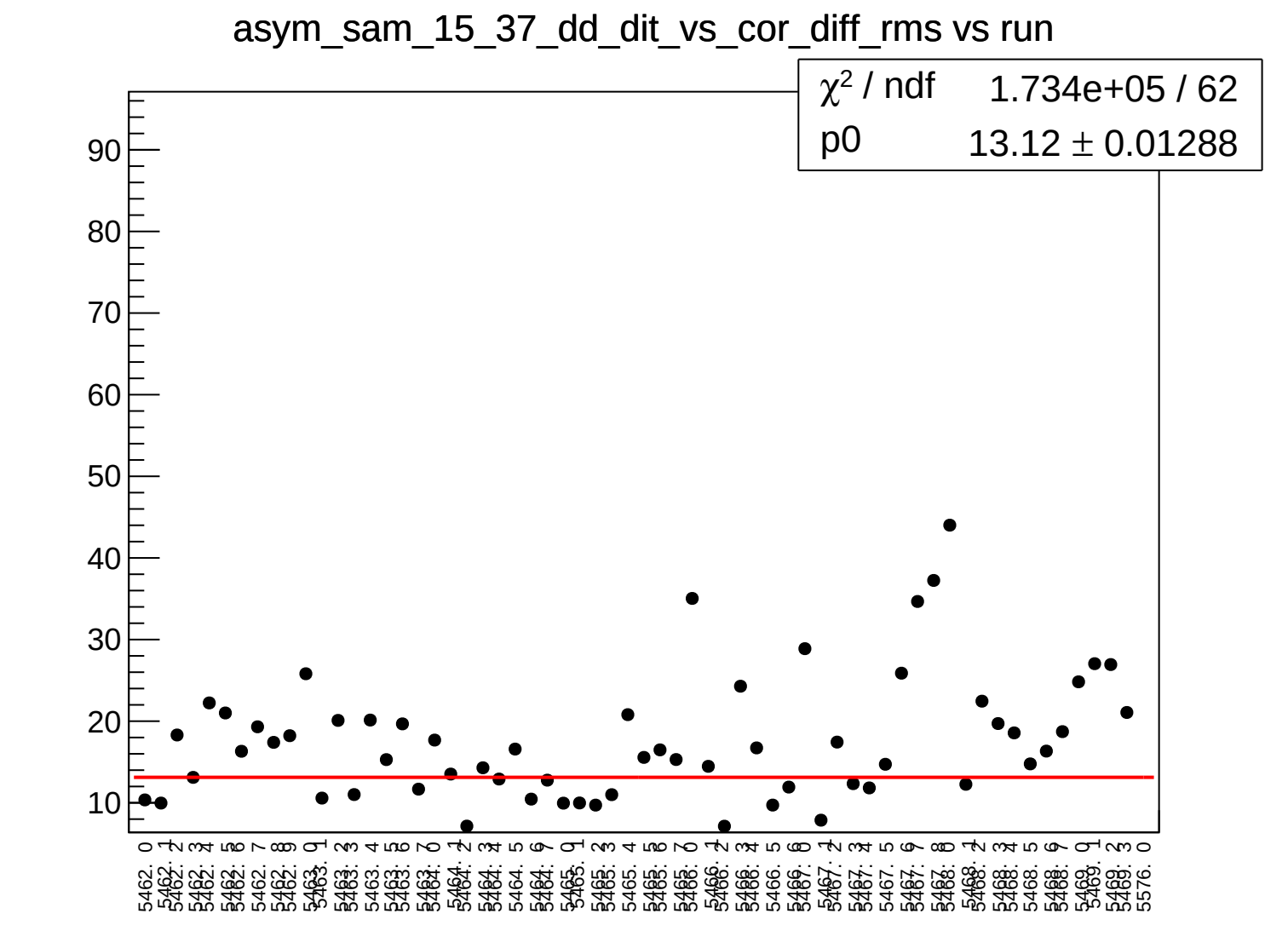

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4119 / 62
p0 562.3 ± 0.5119
600
550
500
450
400

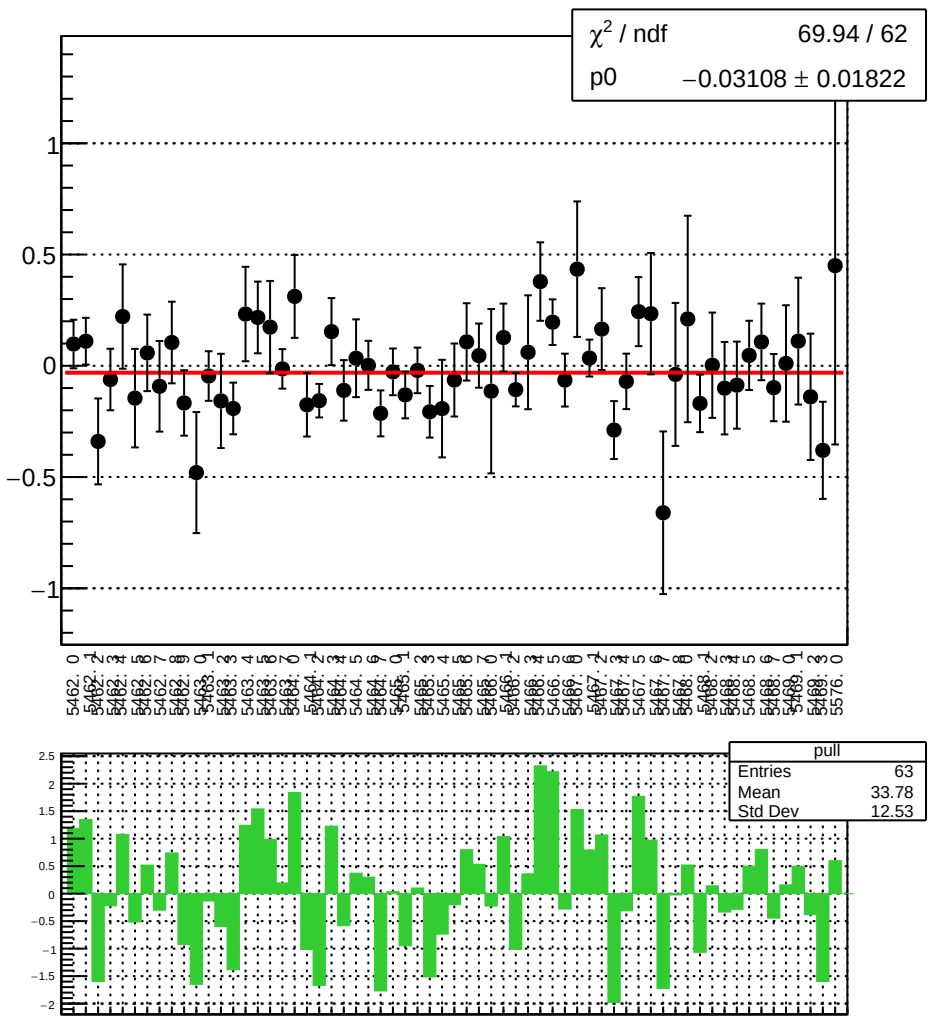

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.46 / 62
p0 −5.685e−14 ± 4.813e−14
pull
Entries 63
Mean −568.2
Std Dev 0
pull1D
Entries 63
Mean 0.005335
Std Dev 0.9125

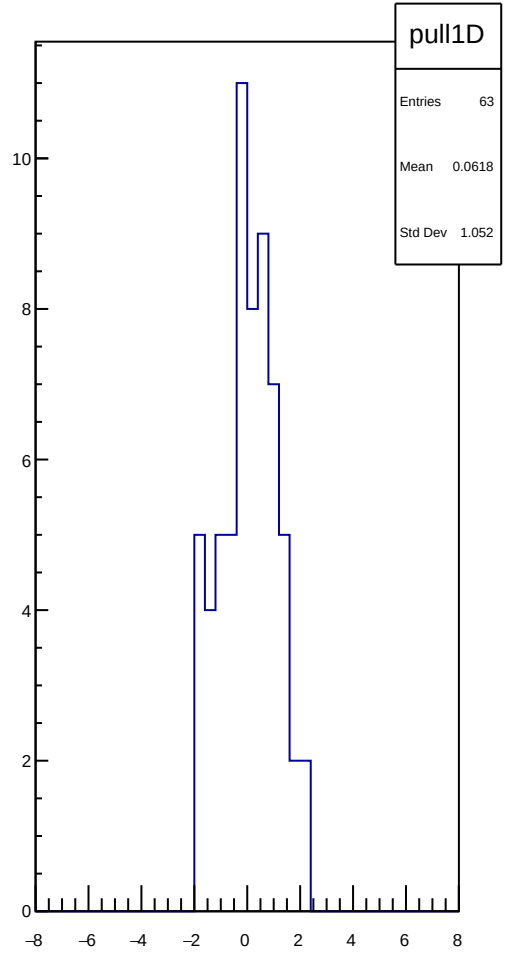

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.712e+05 / 62
p0 2.722e−11 ± 3.403e−14
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

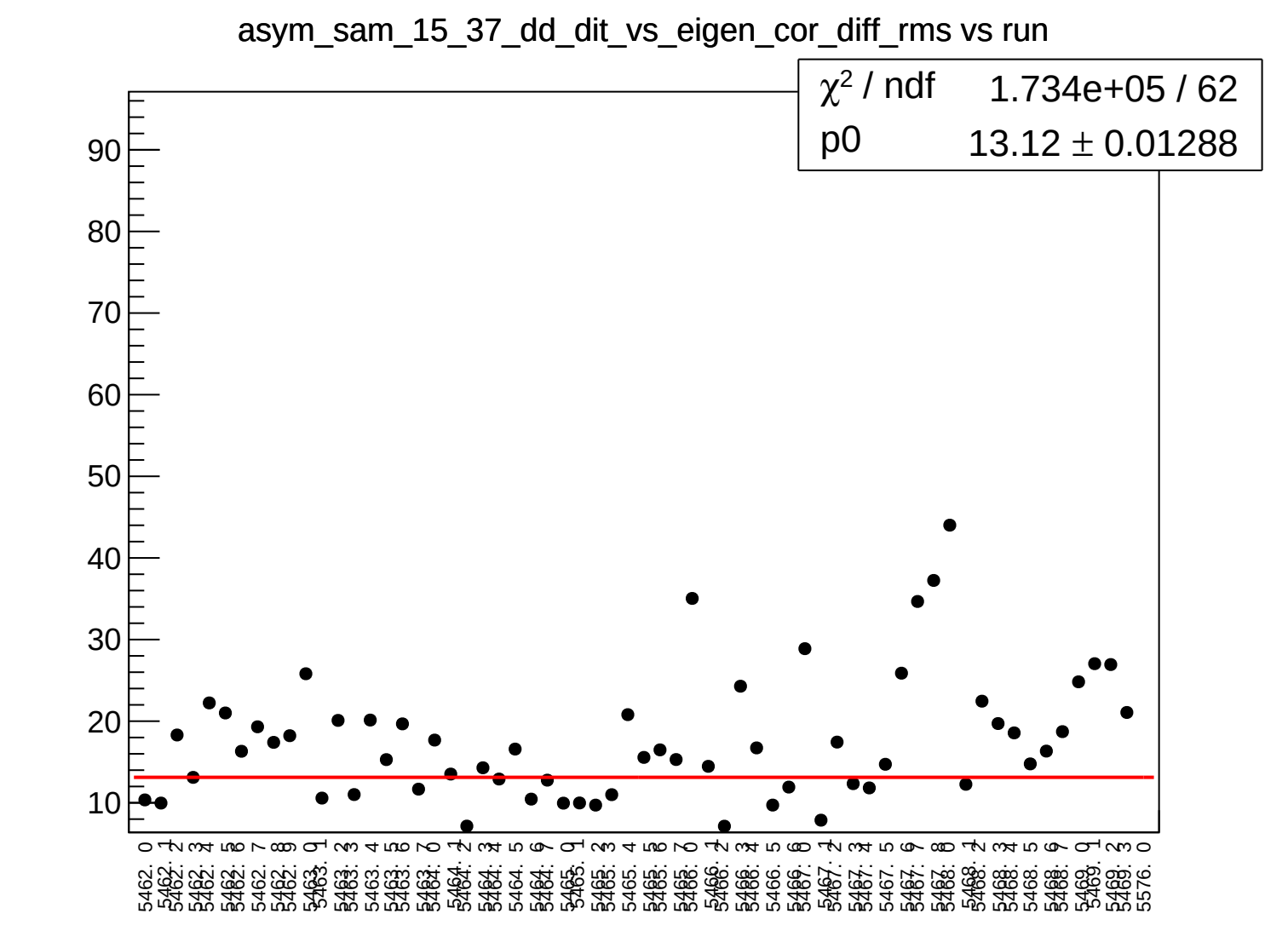

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.94 / 62
p0 −0.03108 ± 0.01822
pull
Entries 63
Mean 33.78
Std Dev 12.53

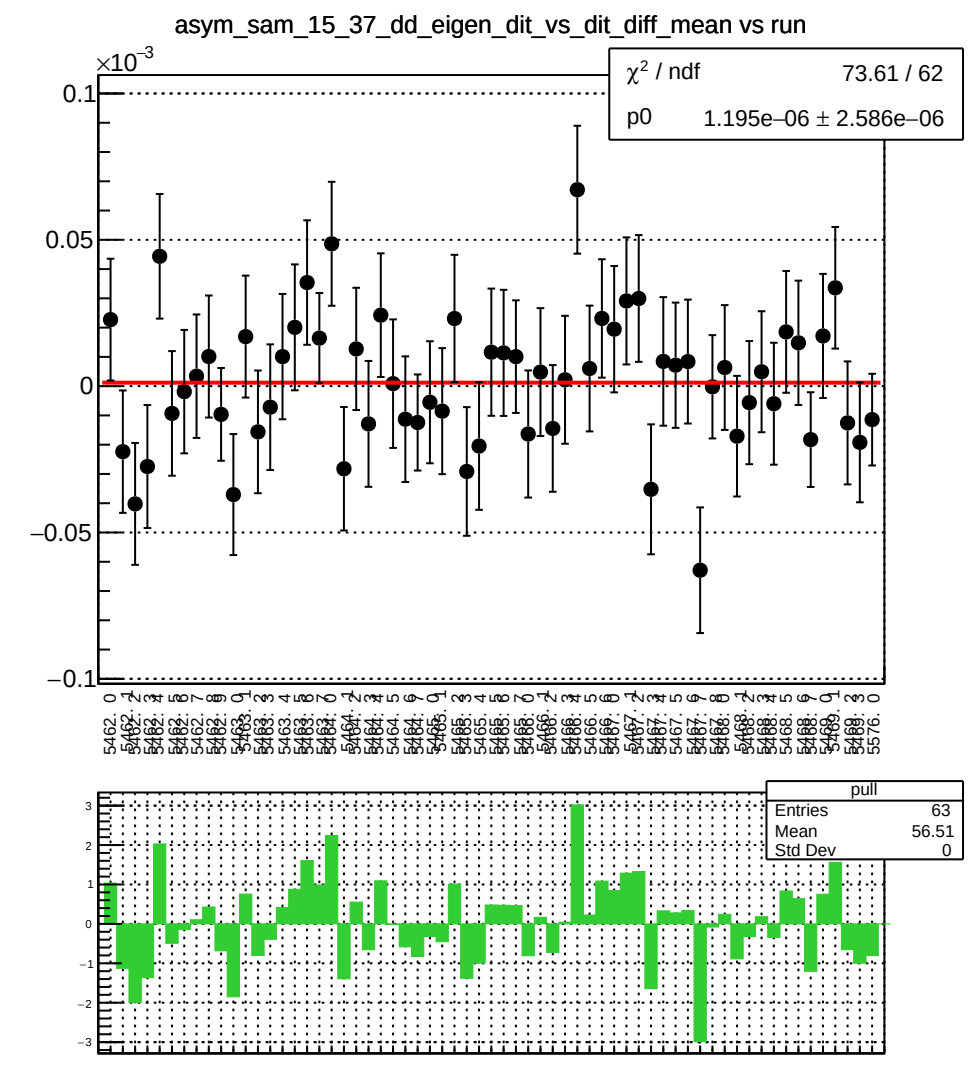

pull1D
Entries 63
Mean 0.0618
Std Dev 1.052

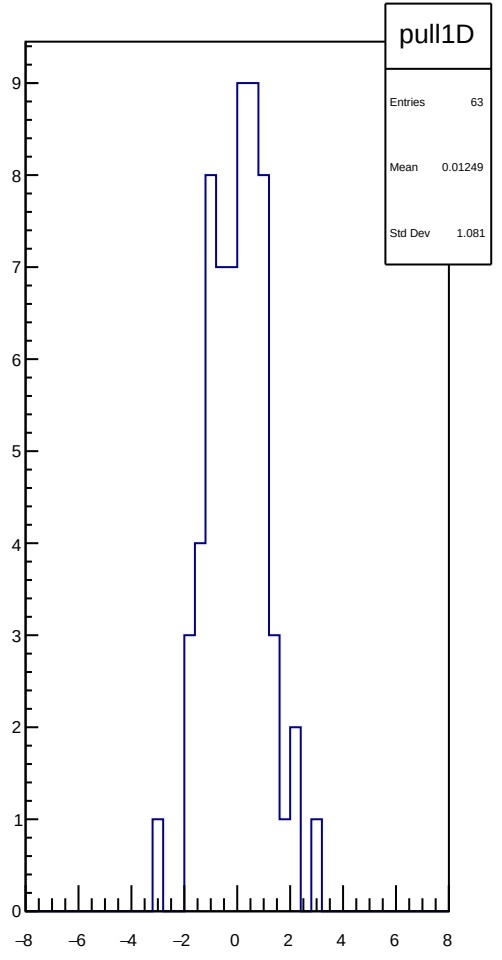

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.734e+05 / 62
p0 13.12 ± 0.01288
90
80
70
60
50
40
30
20
10

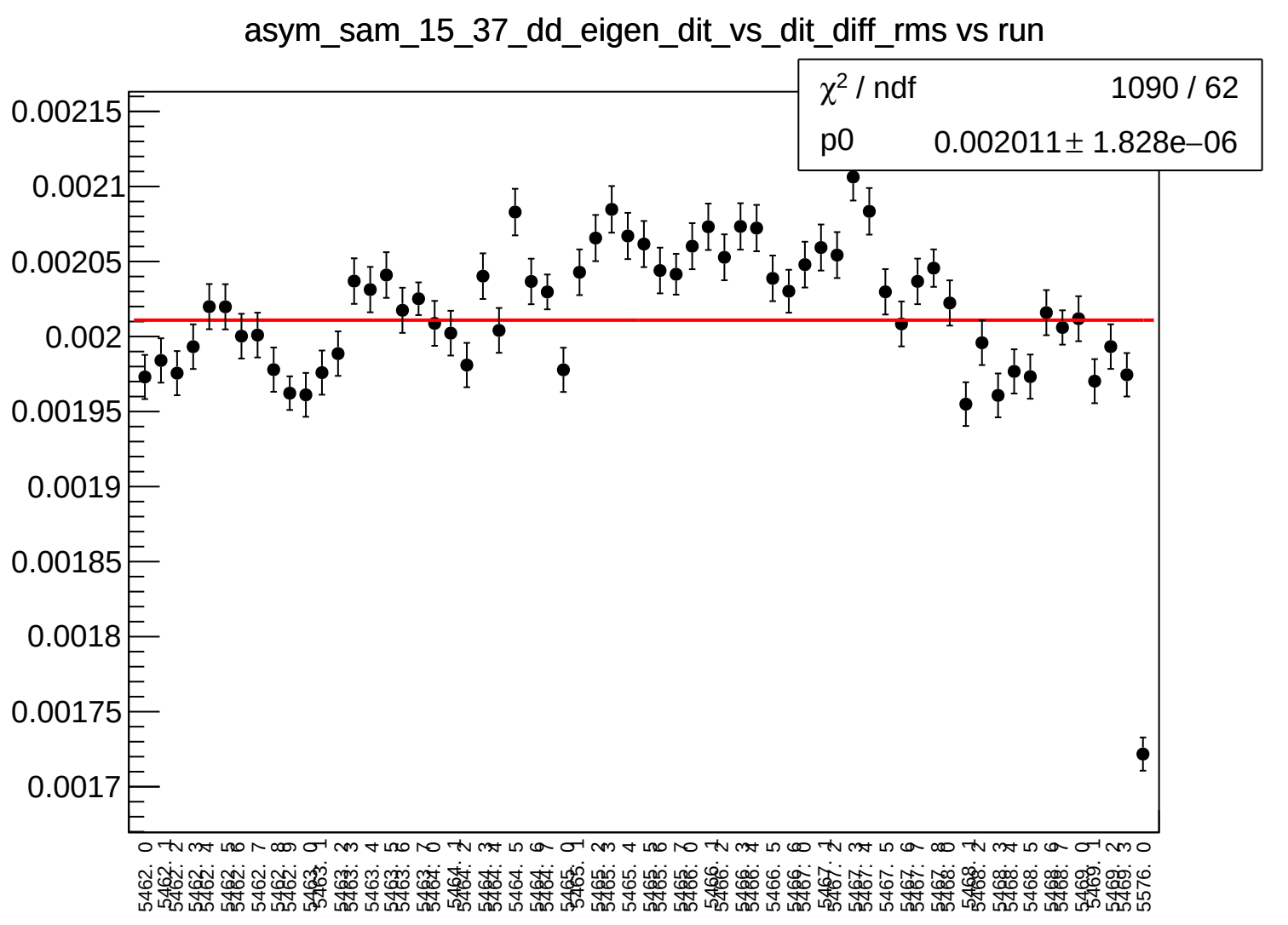

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.94 / 62
p0 −0.03108 ± 0.01822
pull
Entries 63
Mean 33.78
Std Dev 12.53

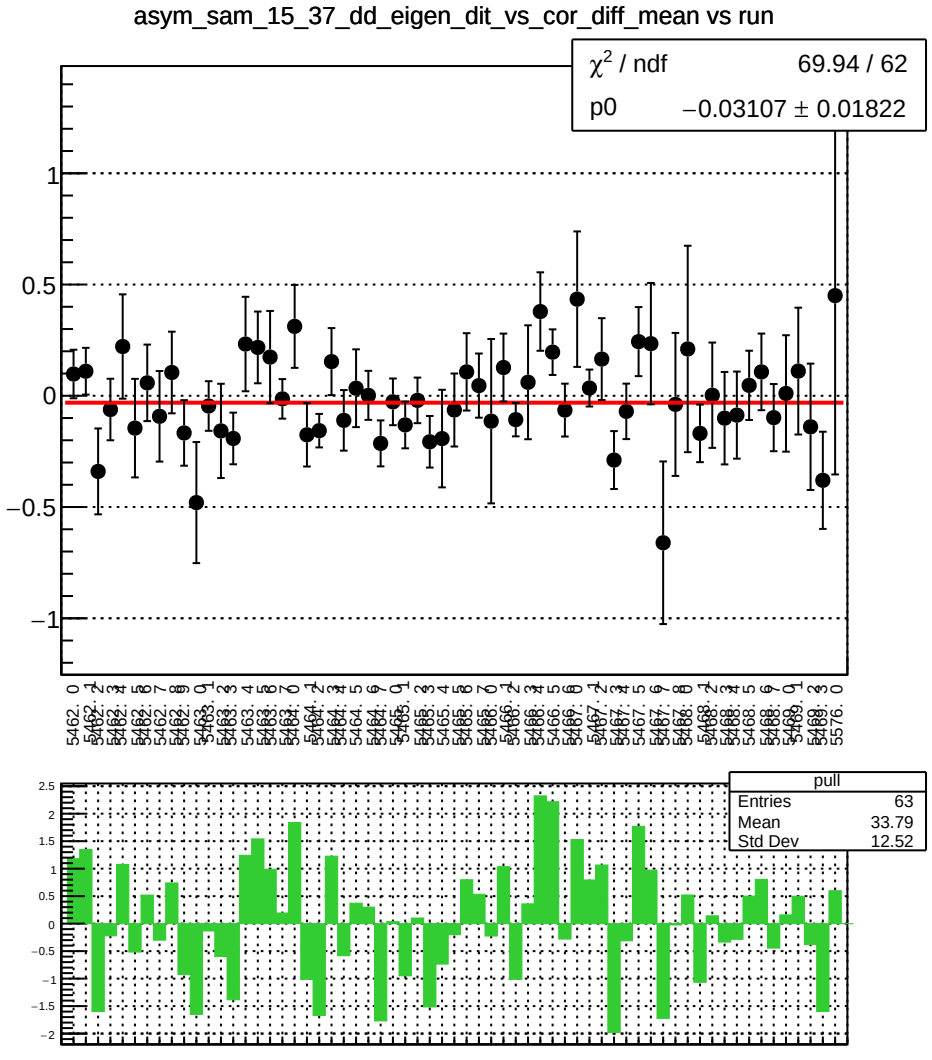

pull1D
Entries 63
Mean 0.0618
Std Dev 1.052

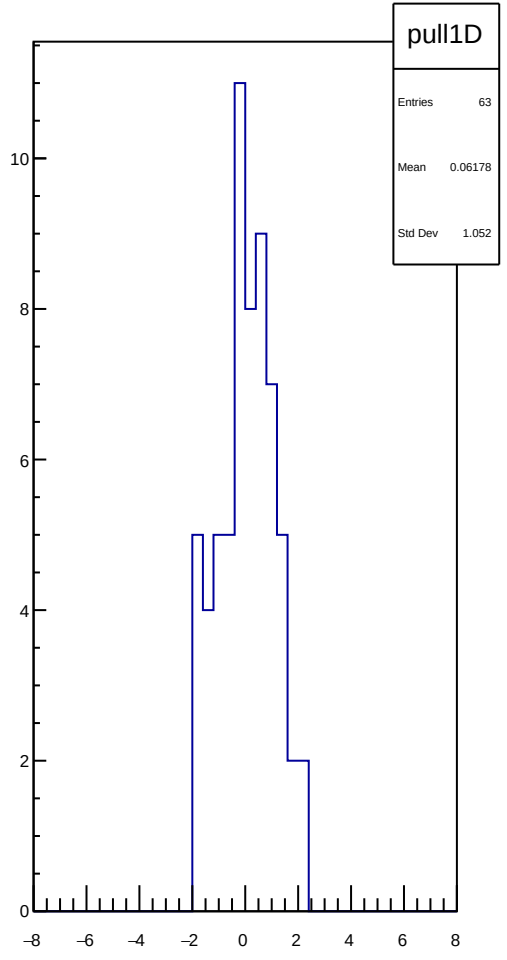

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.734e+05 / 62
p0 13.12 ± 0.01288
90
80
70
60
50
40
30
20
10

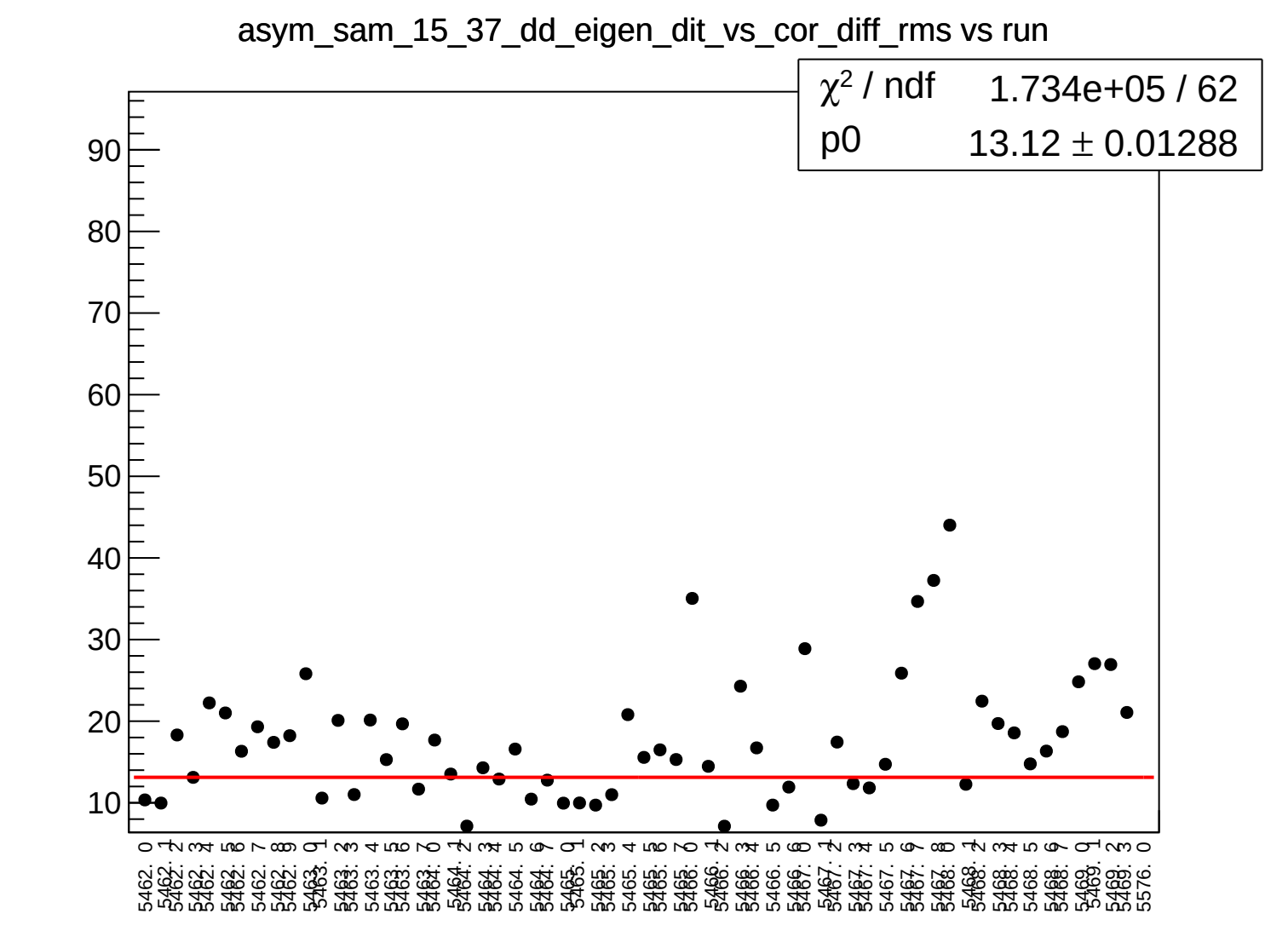

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.61 / 62
p0 1.195e−06 ± 2.586e−06
pull
Entries 63
Mean 56.51
Std Dev 0

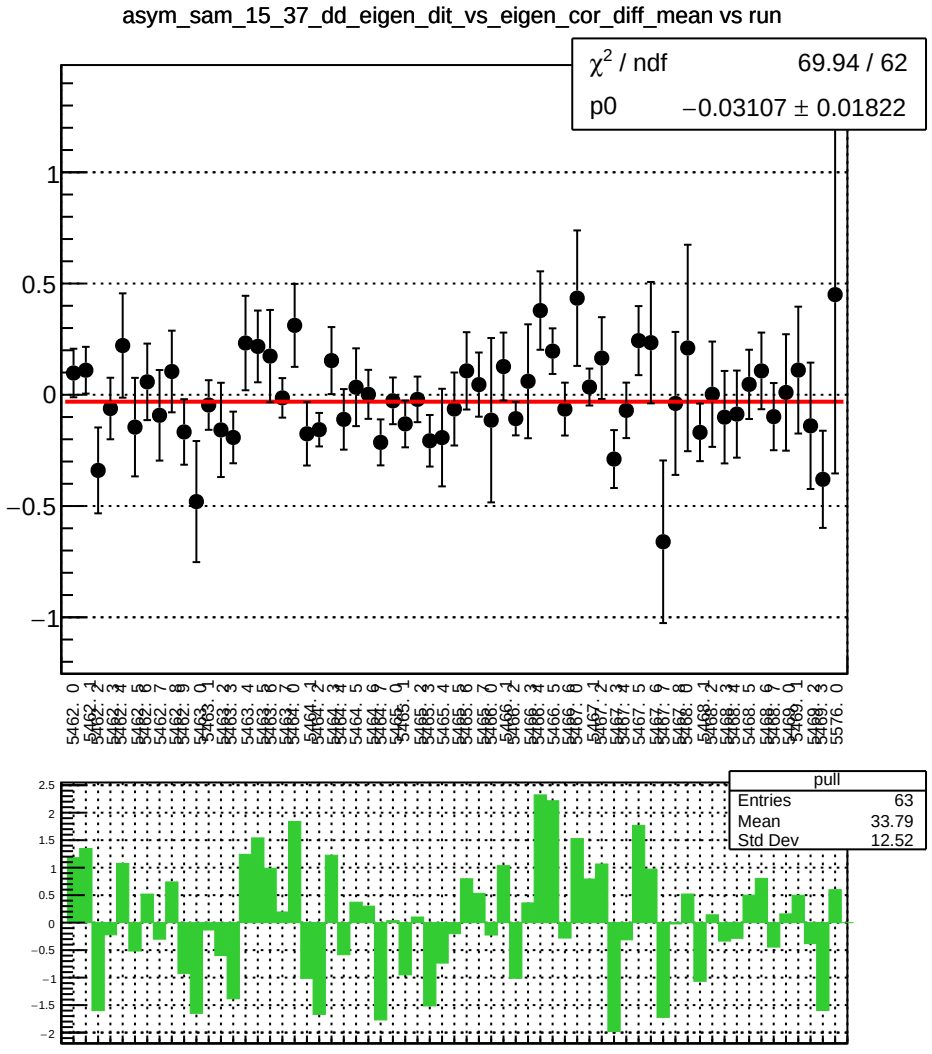

pull1D
Entries 63
Mean 0.01249
Std Dev 1.081

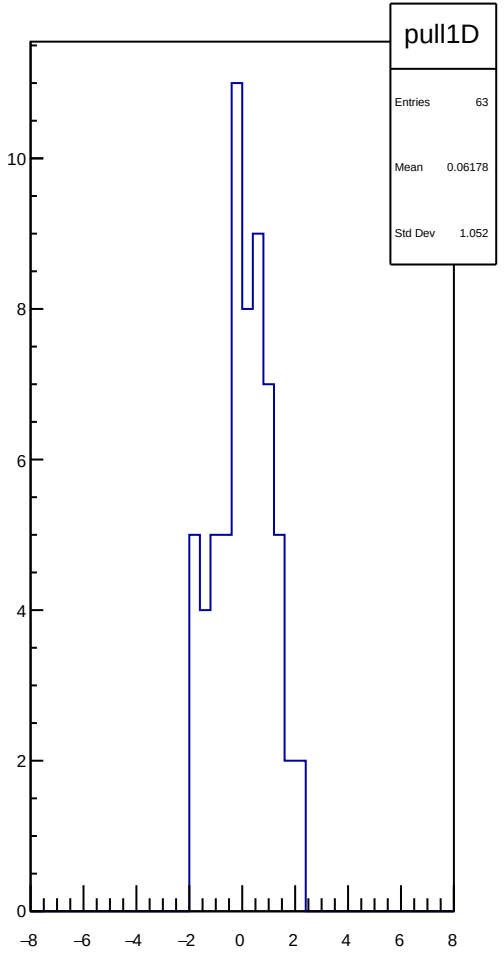

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1090 / 62
p0 0.002011 ± 1.828e−06
0.00215
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

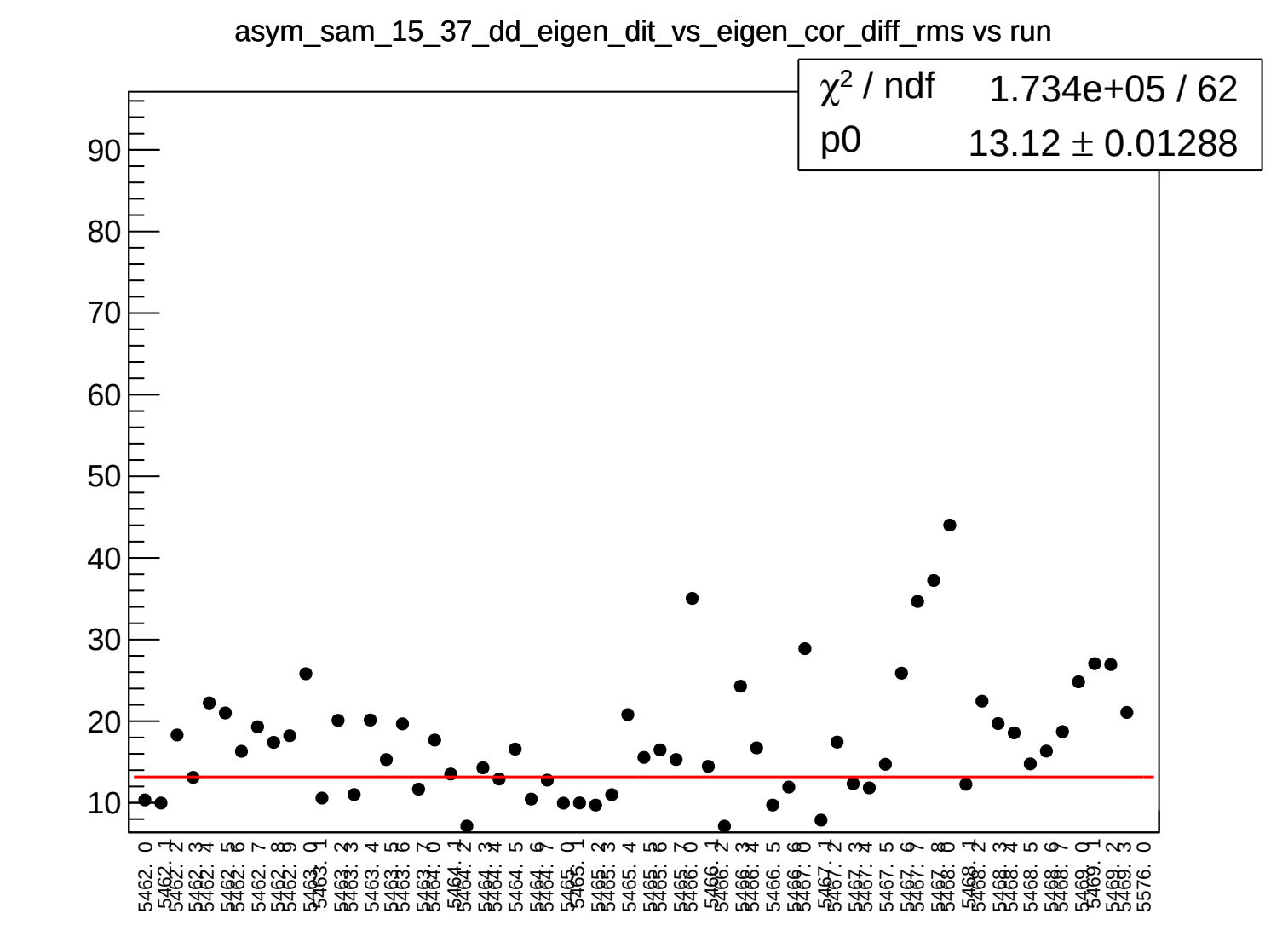

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.94 / 62
p0 −0.03107 ± 0.01822
pull
Entries 63
Mean 33.79
Std Dev 12.52

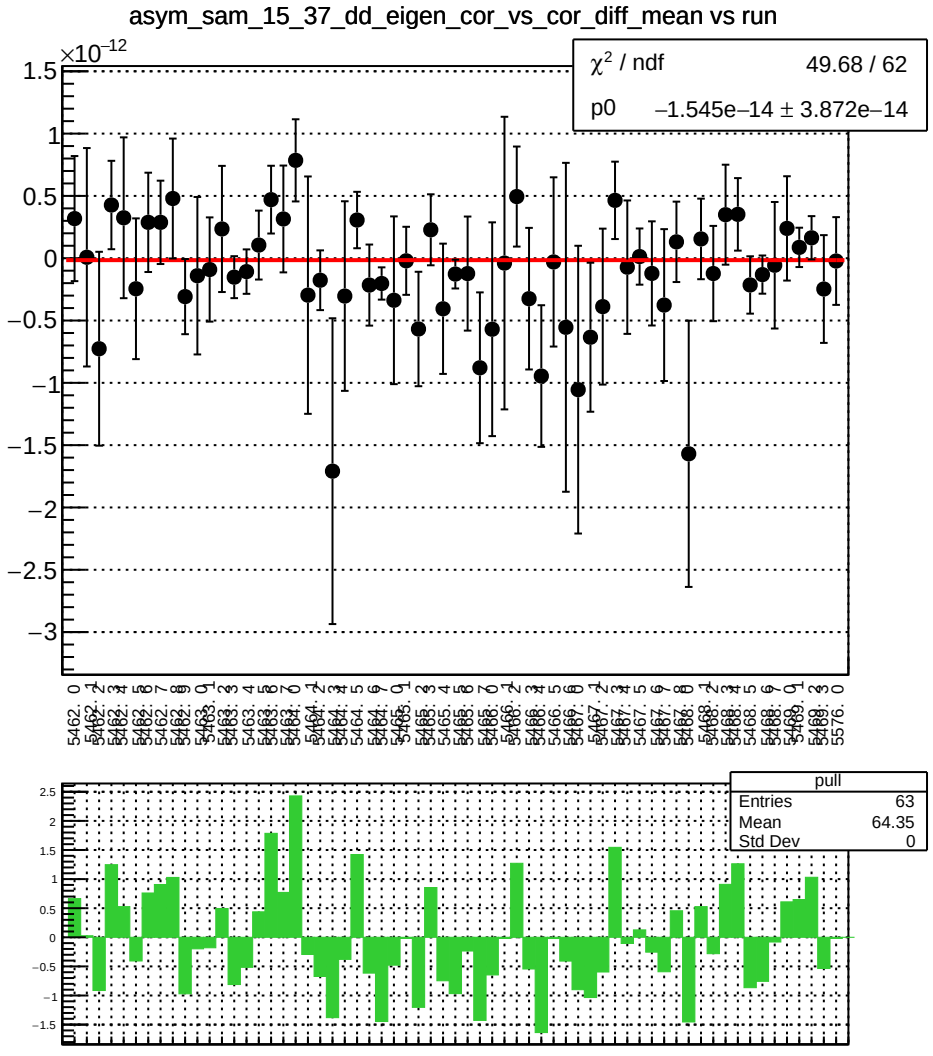

pull1D
Entries 63
Mean 0.06178
Std Dev 1.052

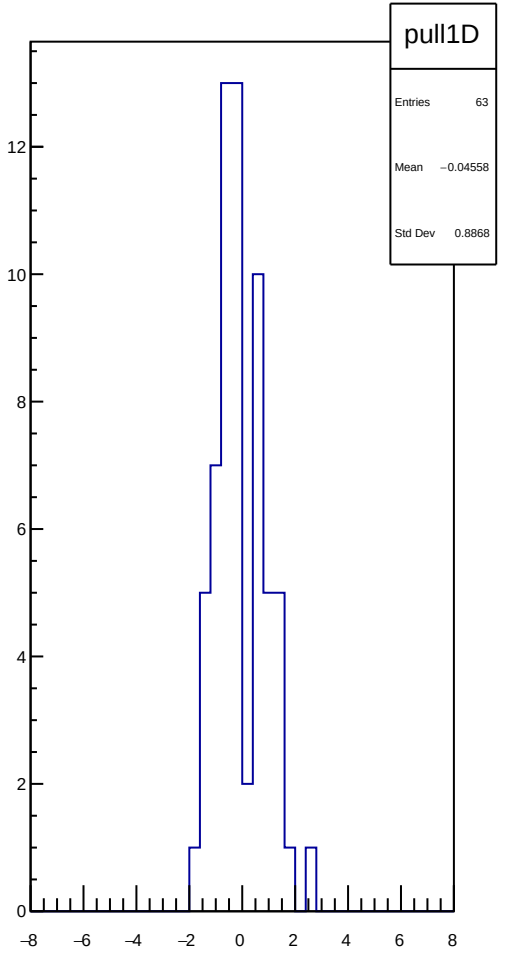

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.734e+05 / 62
p0 13.12 ± 0.01288
90
80
70
60
50
40
30
20
10

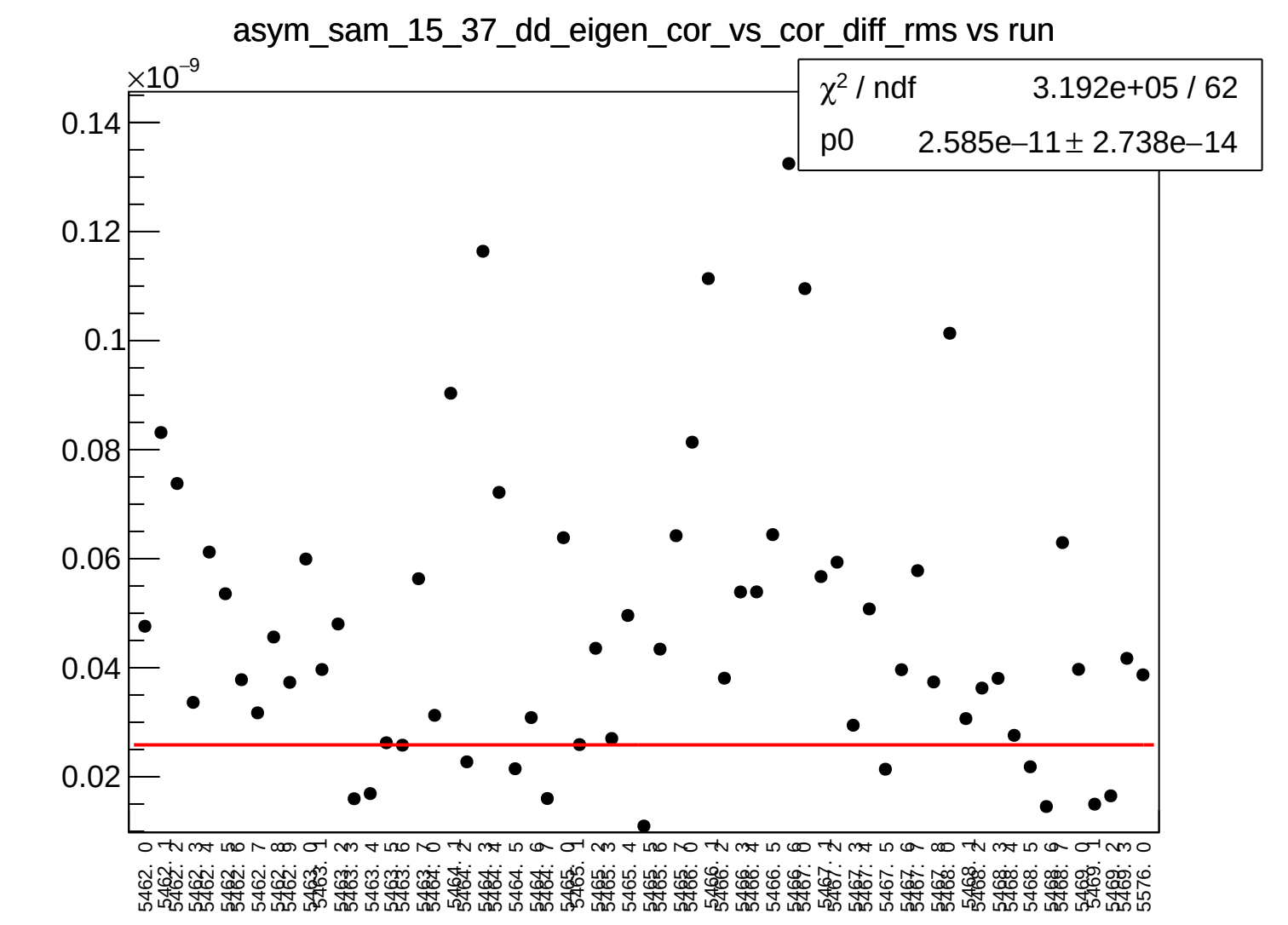

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.94 / 62
p0 −0.03107 ± 0.01822
pull
Entries 63
Mean 33.79
Std Dev 12.52

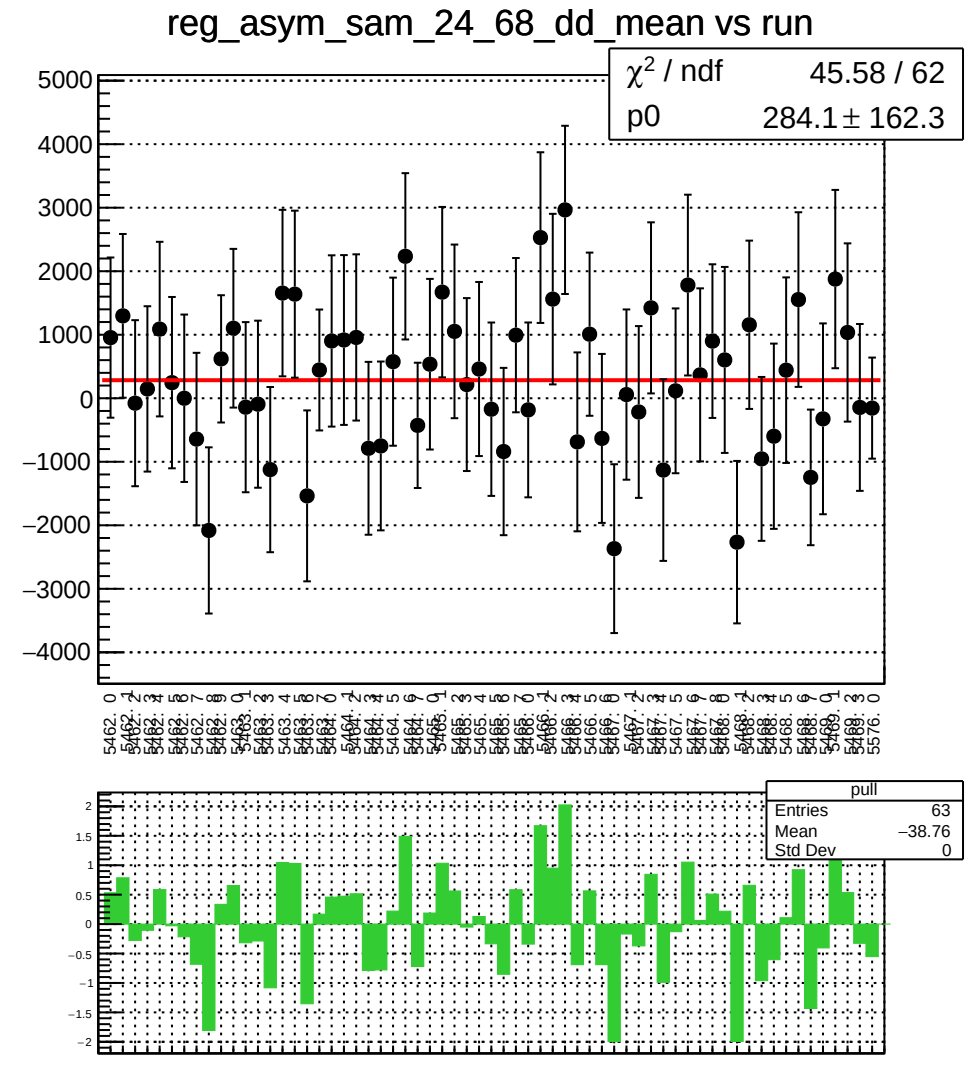

pull1D
Entries 63
Mean 0.06178
Std Dev 1.052

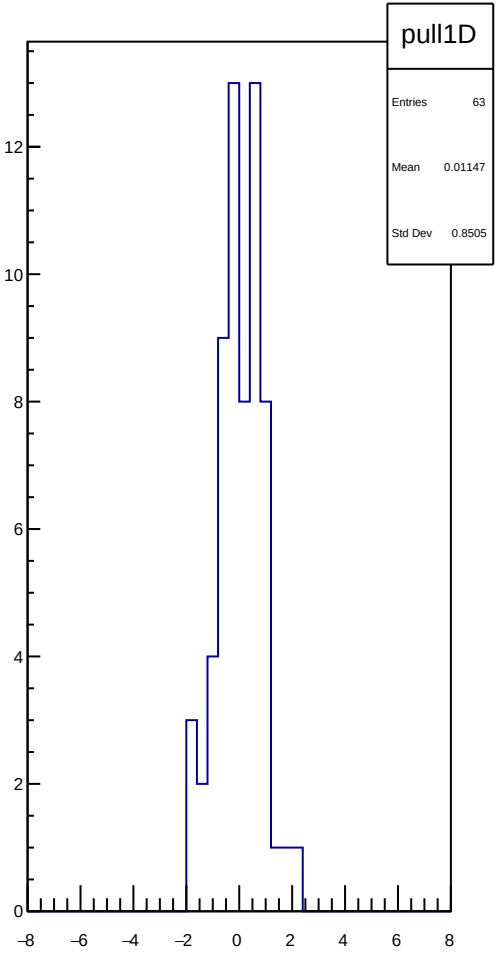

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.734e+05 / 62
p0 13.12 ± 0.01288
90
80
70
60
50
40
30
20
10

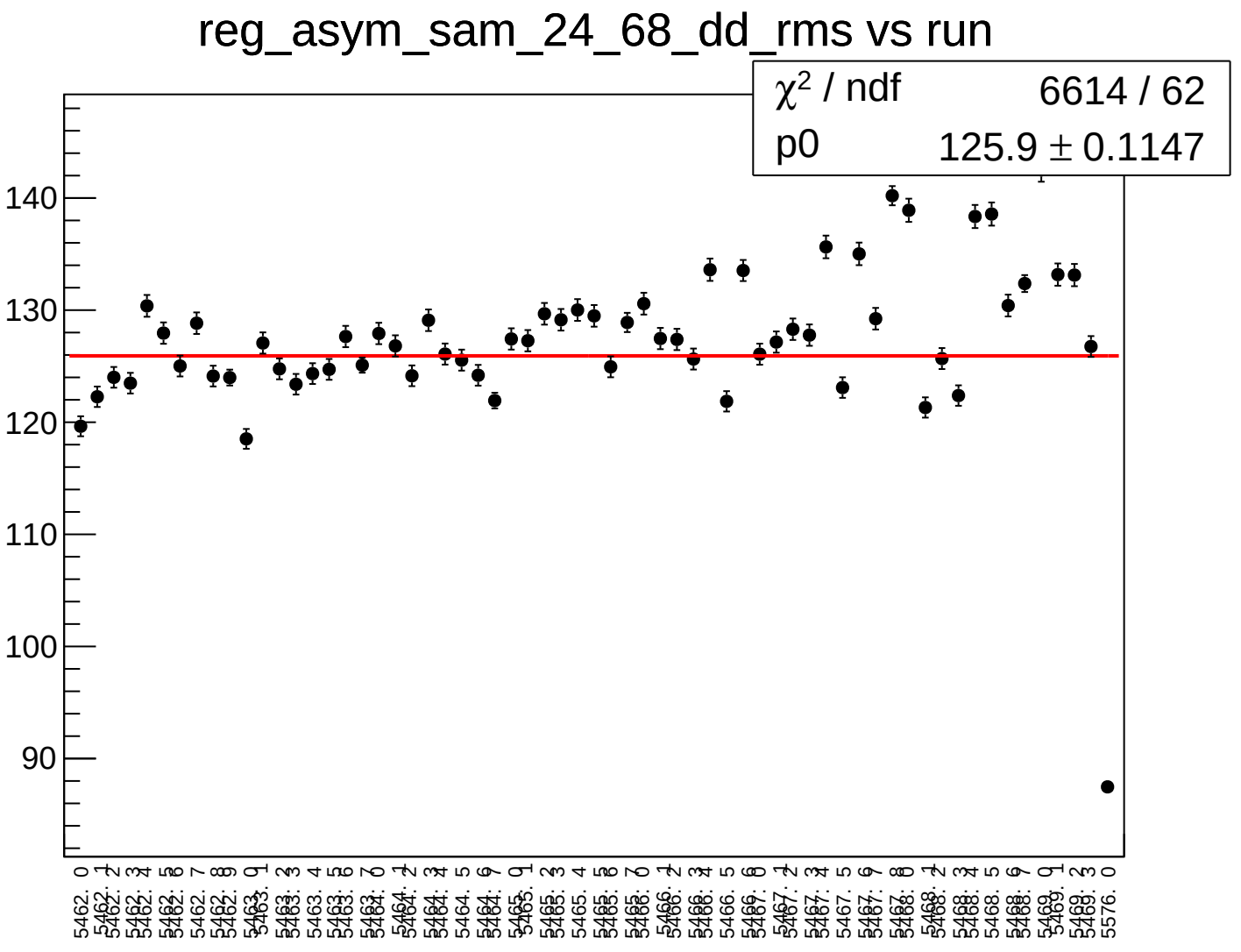

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.68 / 62
p0 −1.545e−14 ± 3.872e−14
pull
Entries 63
Mean 64.35
Std Dev 0

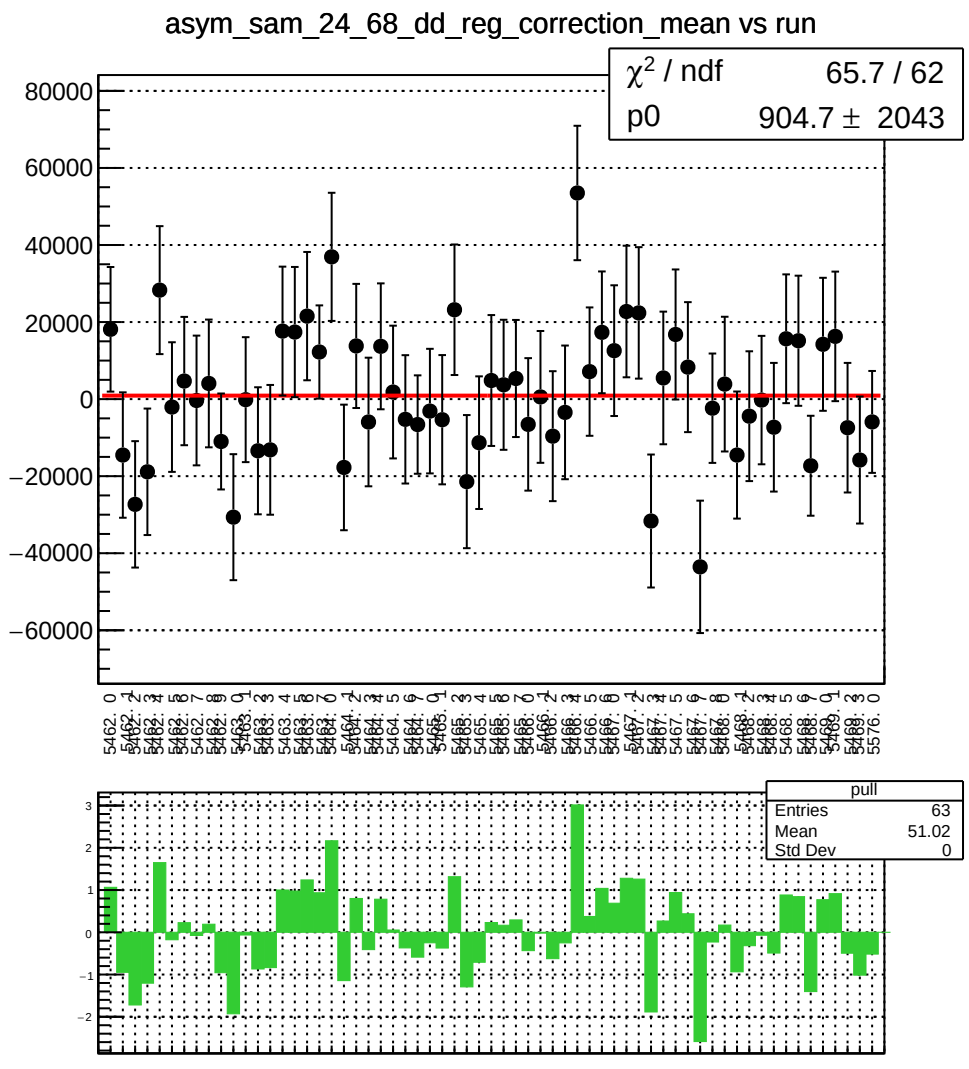

pull1D
Entries 63
Mean −0.04558
Std Dev 0.8868

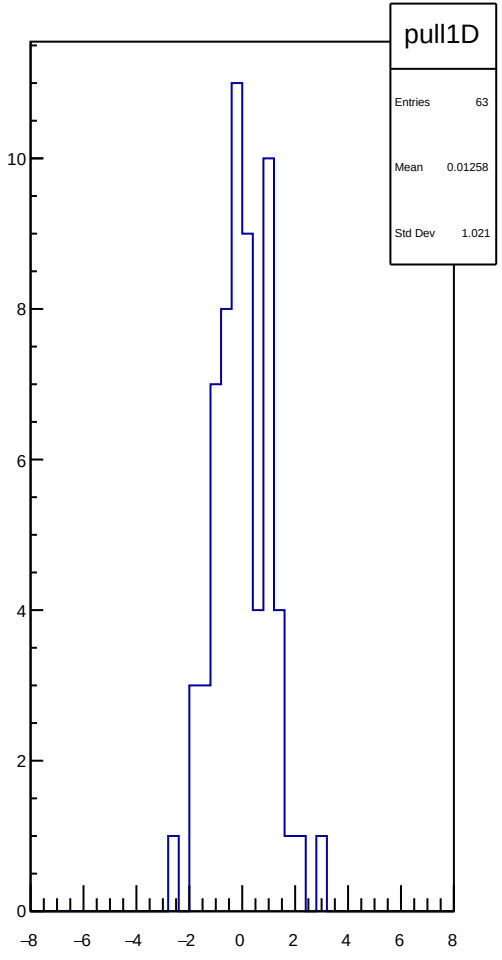

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.192e+05 / 62
p0 2.585e−11 ± 2.738e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

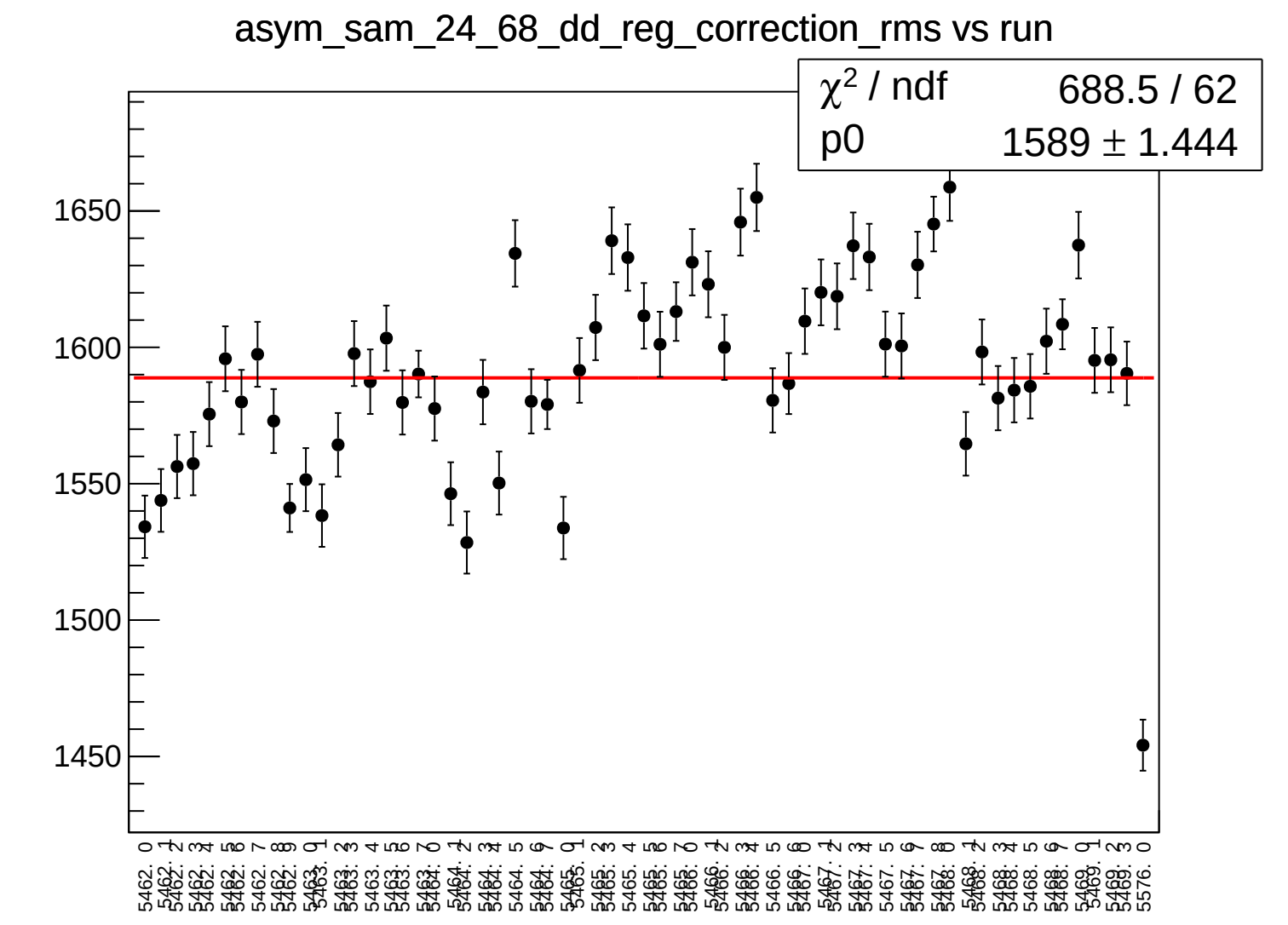

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 45.58 / 62
p0 284.1 ± 162.3
pull
Entries 63
Mean −38.76
Std Dev 0

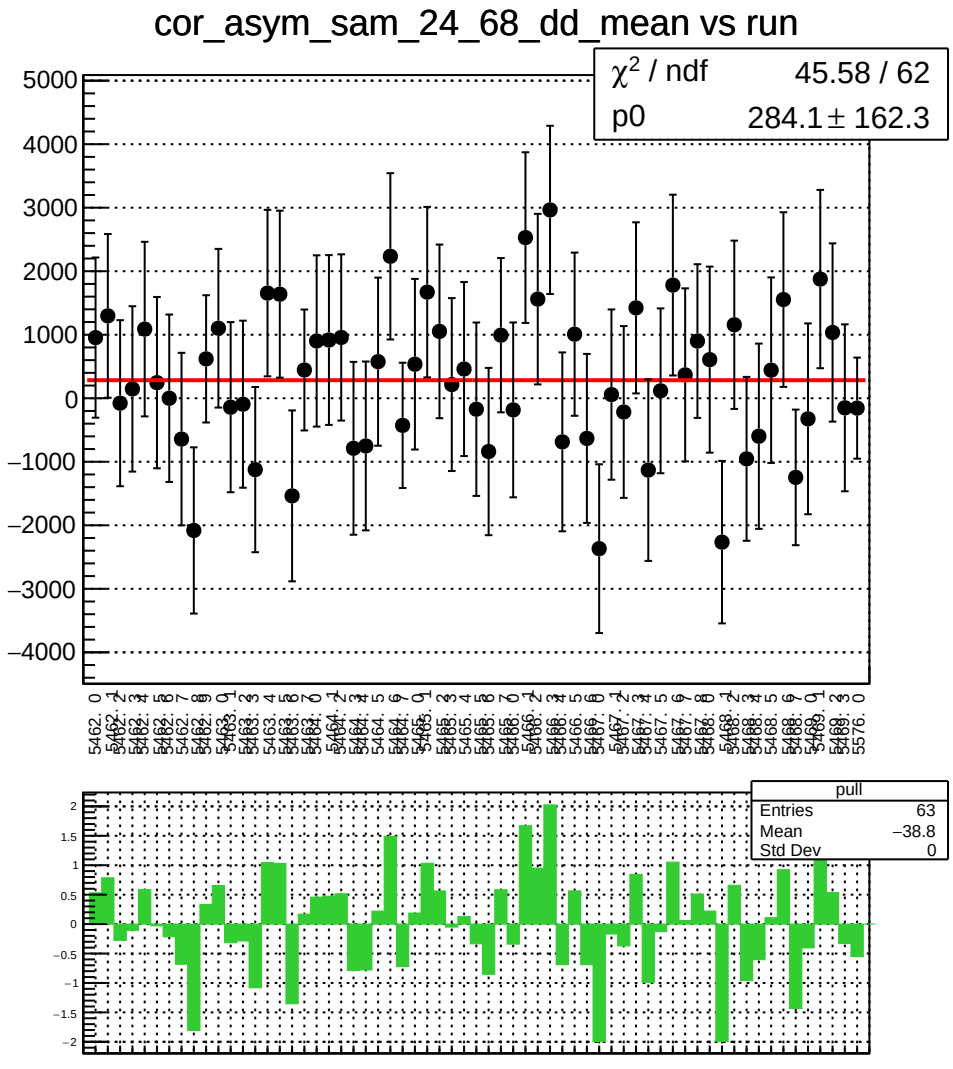

pull1D
Entries 63
Mean 0.01147
Std Dev 0.8505

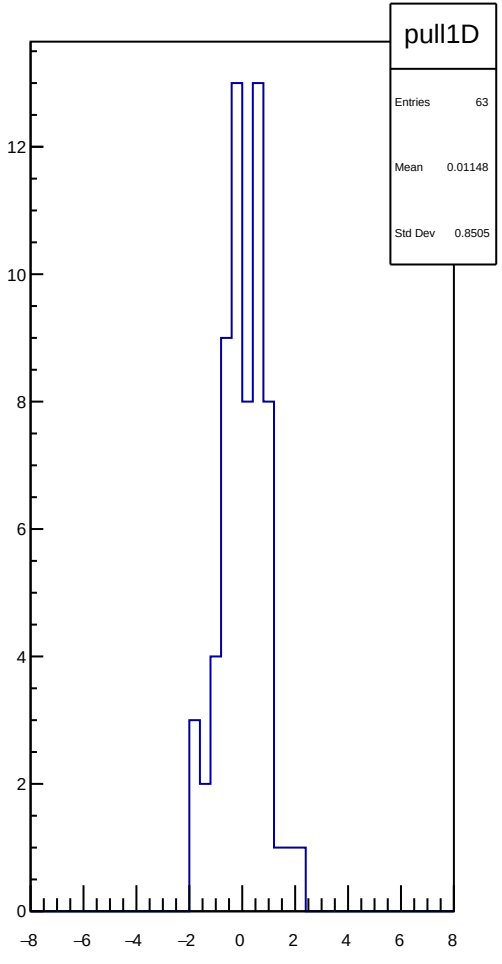

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6614 / 62
p0 125.9 ± 0.1147
140
130
120
110
100
90

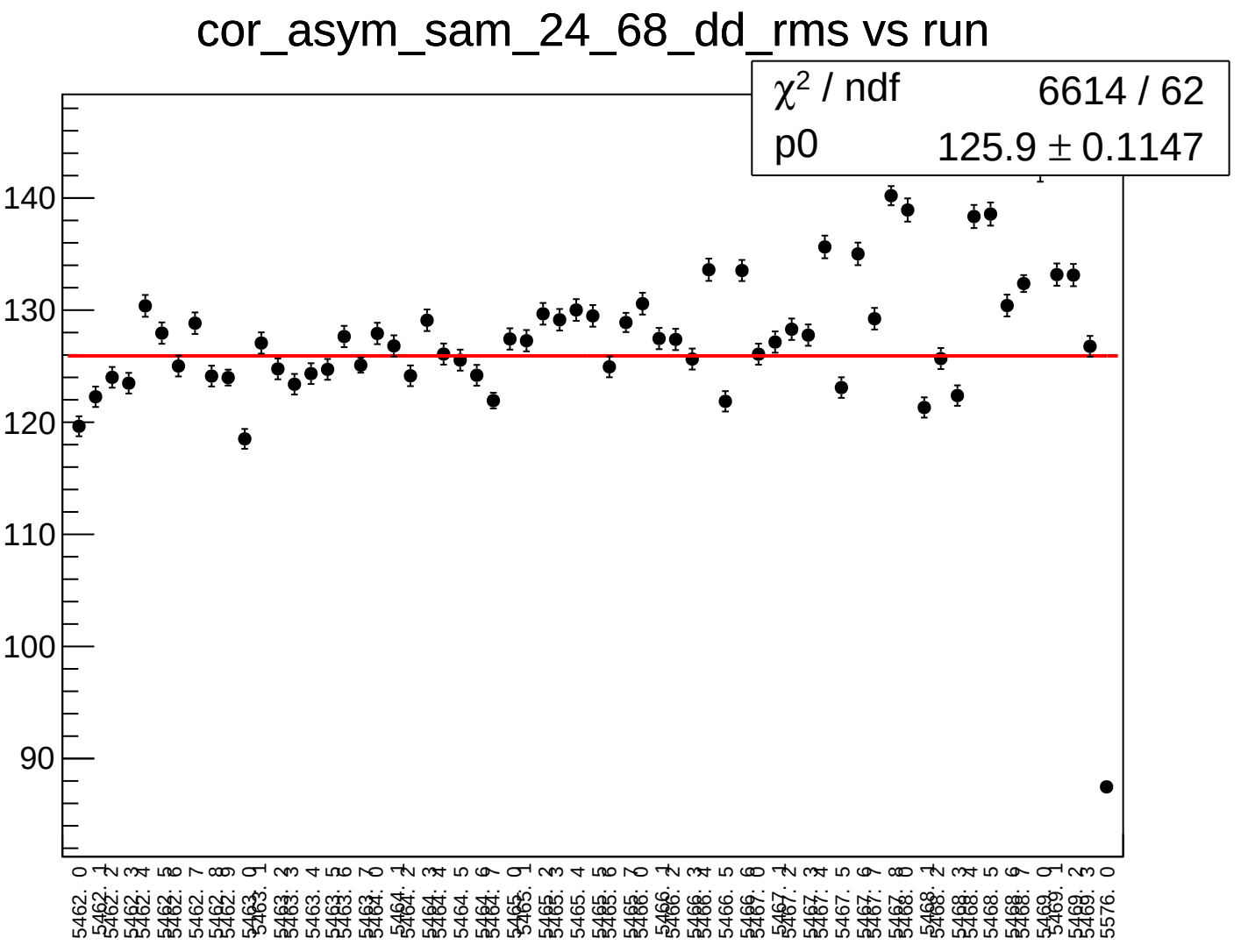

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 65.7 / 62
p0 904.7 ± 2043
pull
Entries 63
Mean 51.02
Std Dev 0

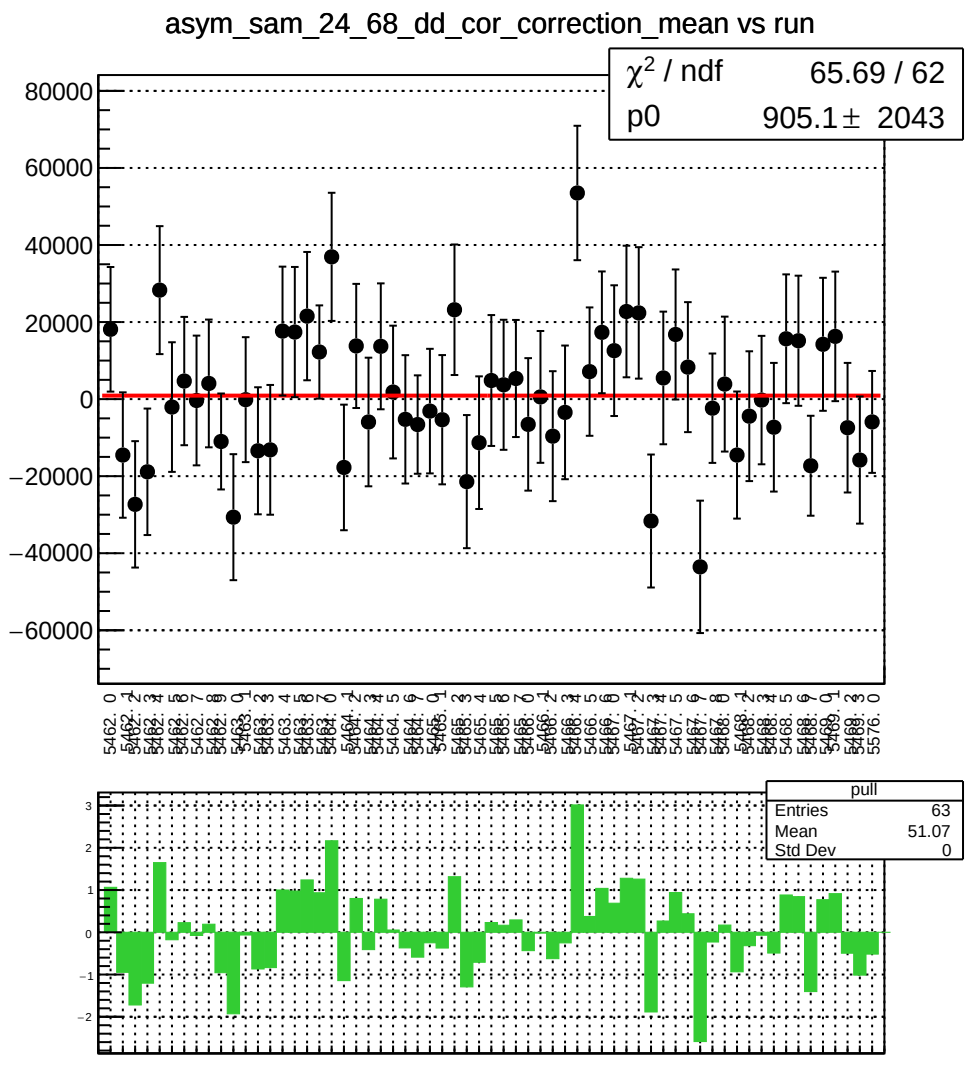

pull1D
Entries 63
Mean 0.01258
Std Dev 1.021

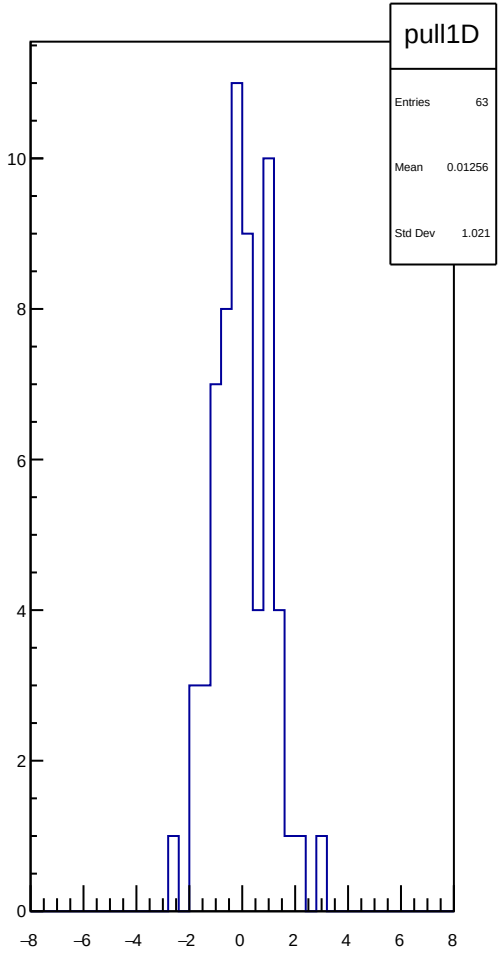

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 688.5 / 62
p0 1589 ± 1.444
1650
1600
1550
1500
1450

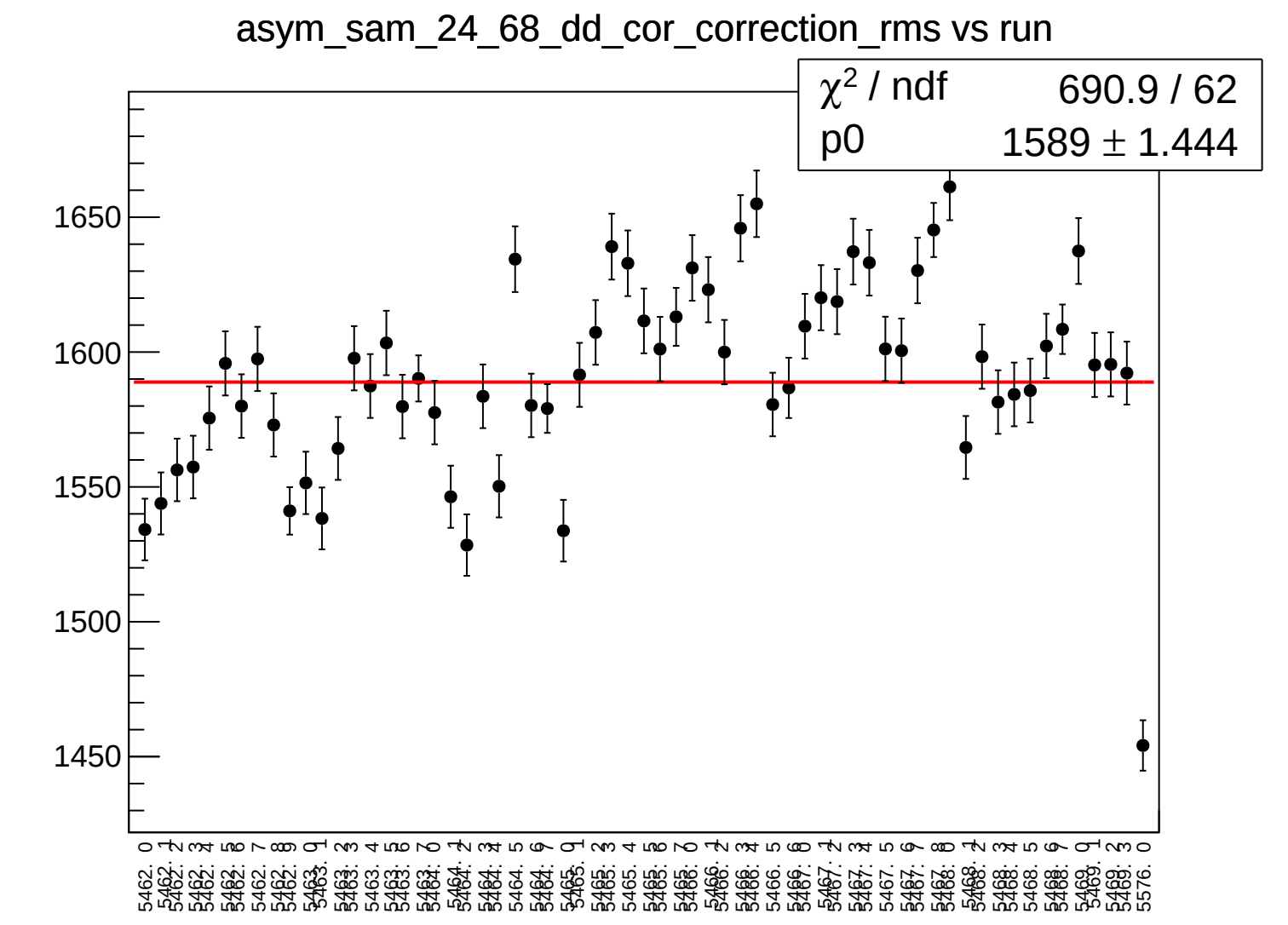

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 45.58 / 62
p0 284.1 ± 162.3
pull
Entries 63
Mean −38.8
Std Dev 0

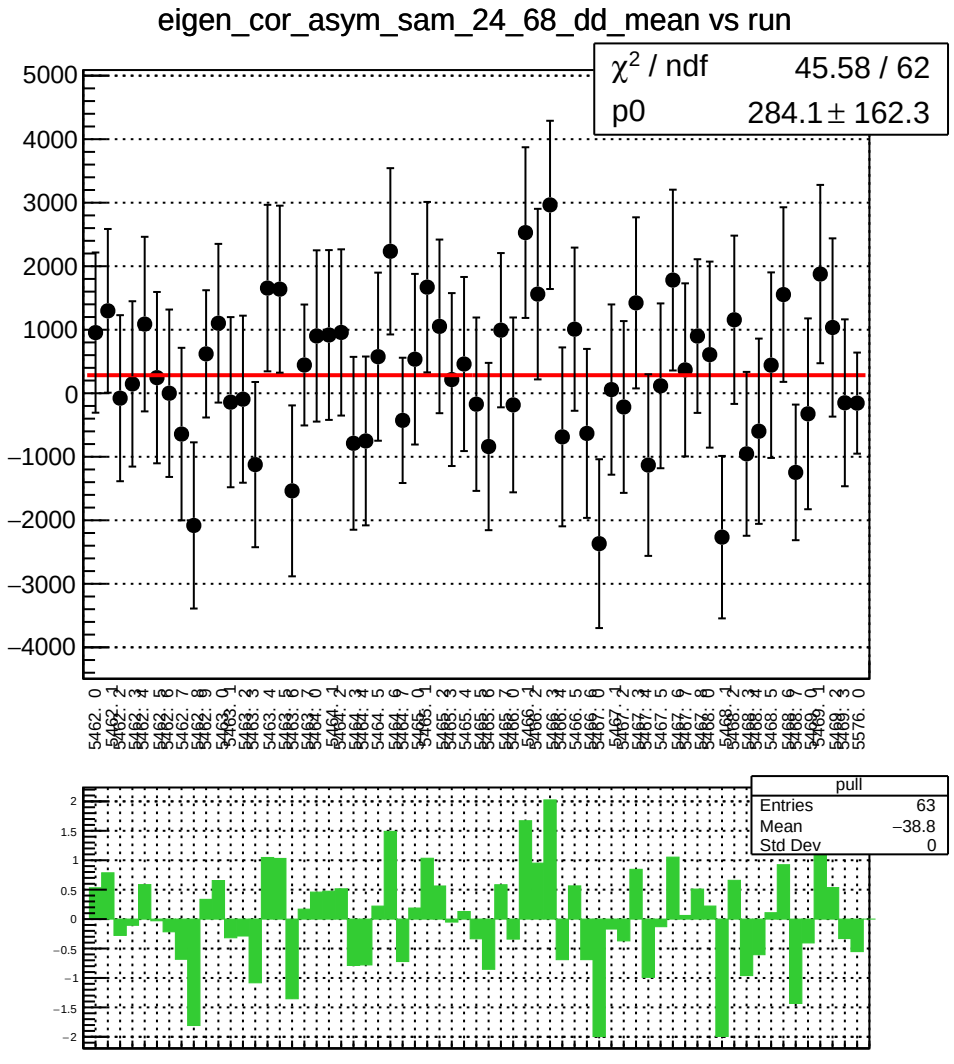

pull1D
Entries 63
Mean 0.01148
Std Dev 0.8505

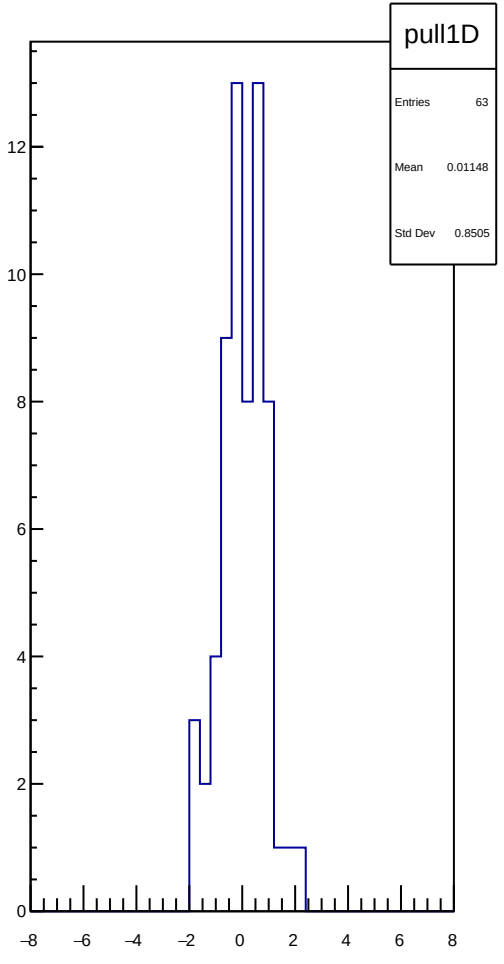

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6614 / 62
p0 125.9 ± 0.1147
140
130
120
110
100
90

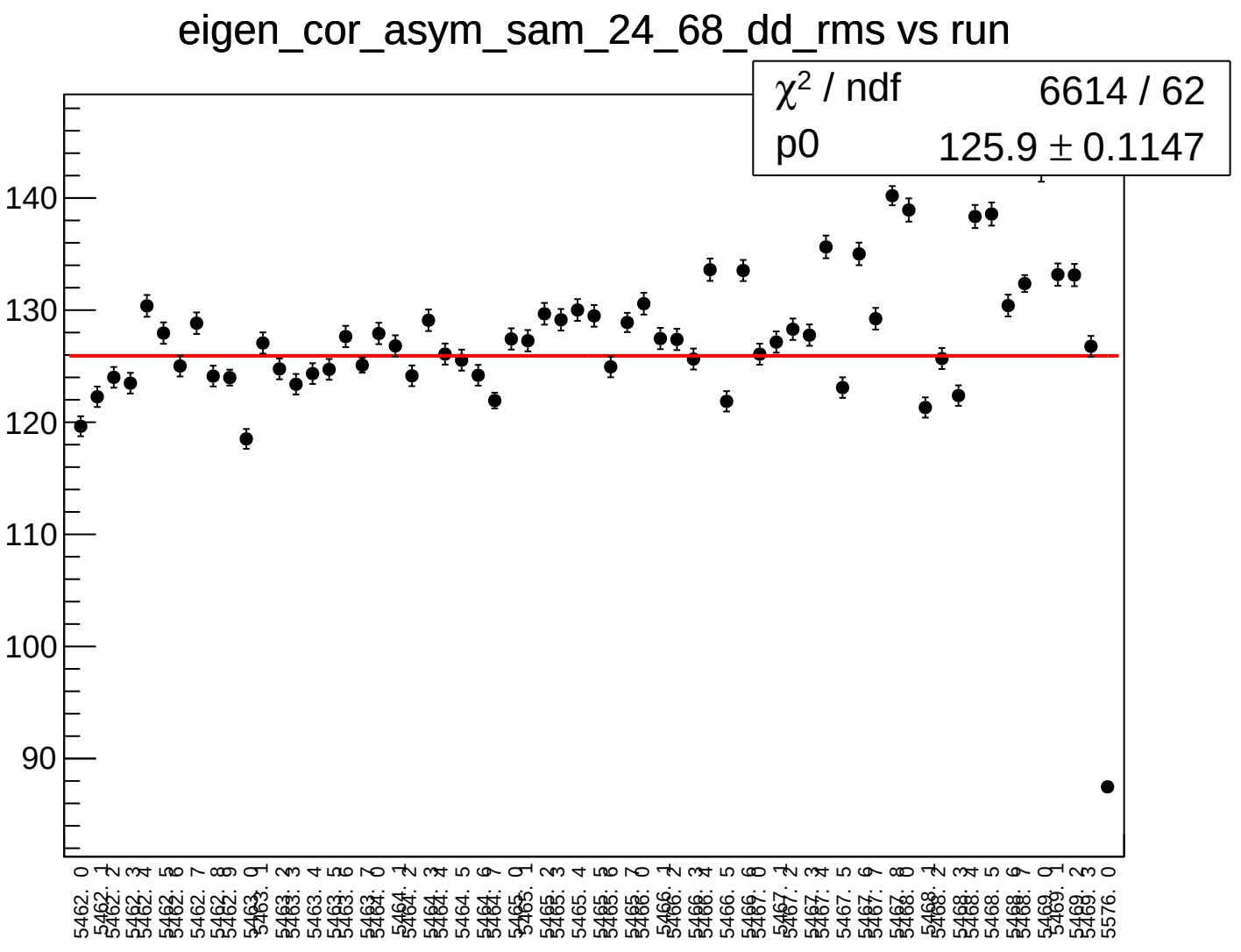

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 65.69 / 62
p0 905.1 ± 2043
pull
Entries 63
Mean 51.07
Std Dev 0

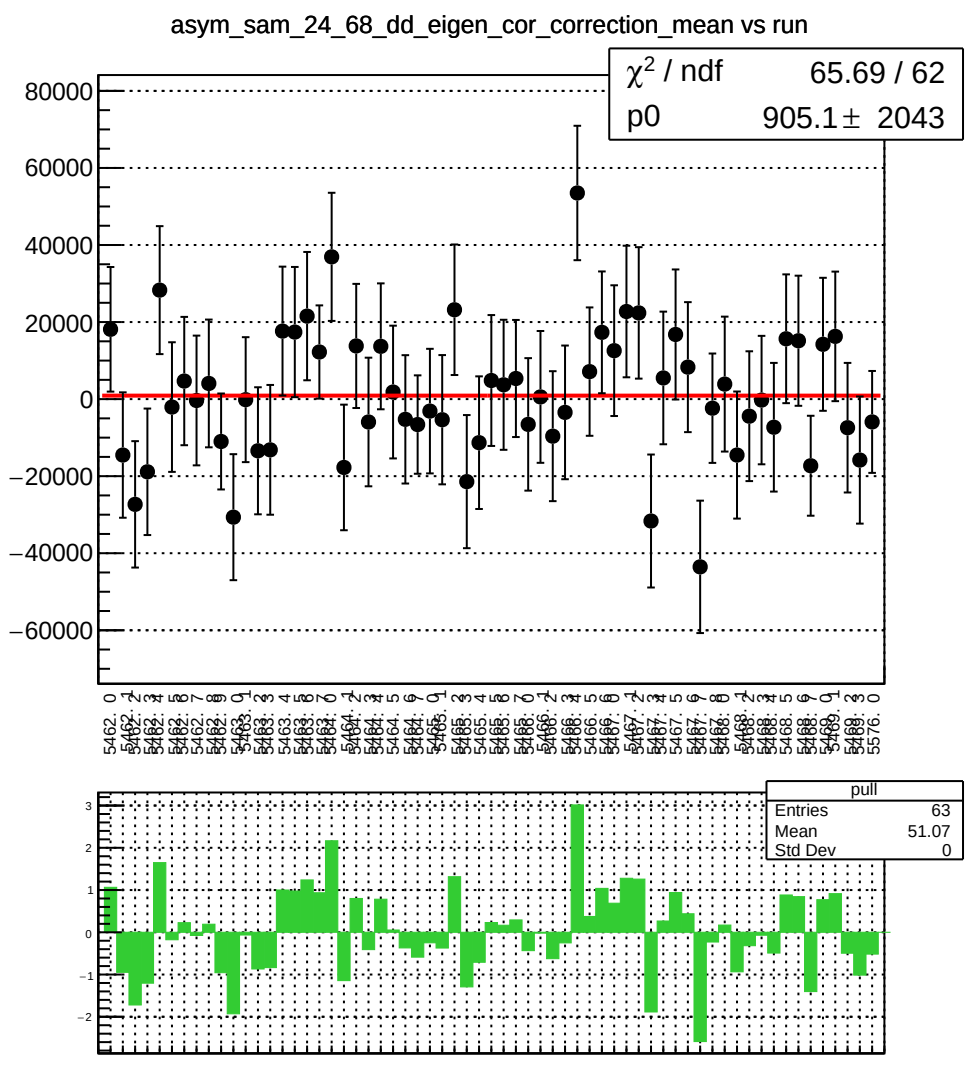

pull1D
Entries 63
Mean 0.01256
Std Dev 1.021

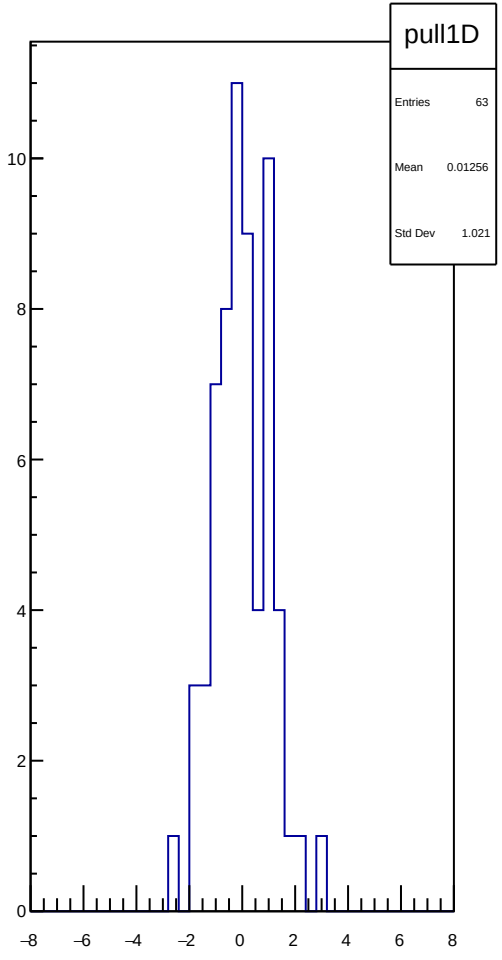

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 690.9 / 62
p0 1589 ± 1.444
1650
1600
1550
1500
1450

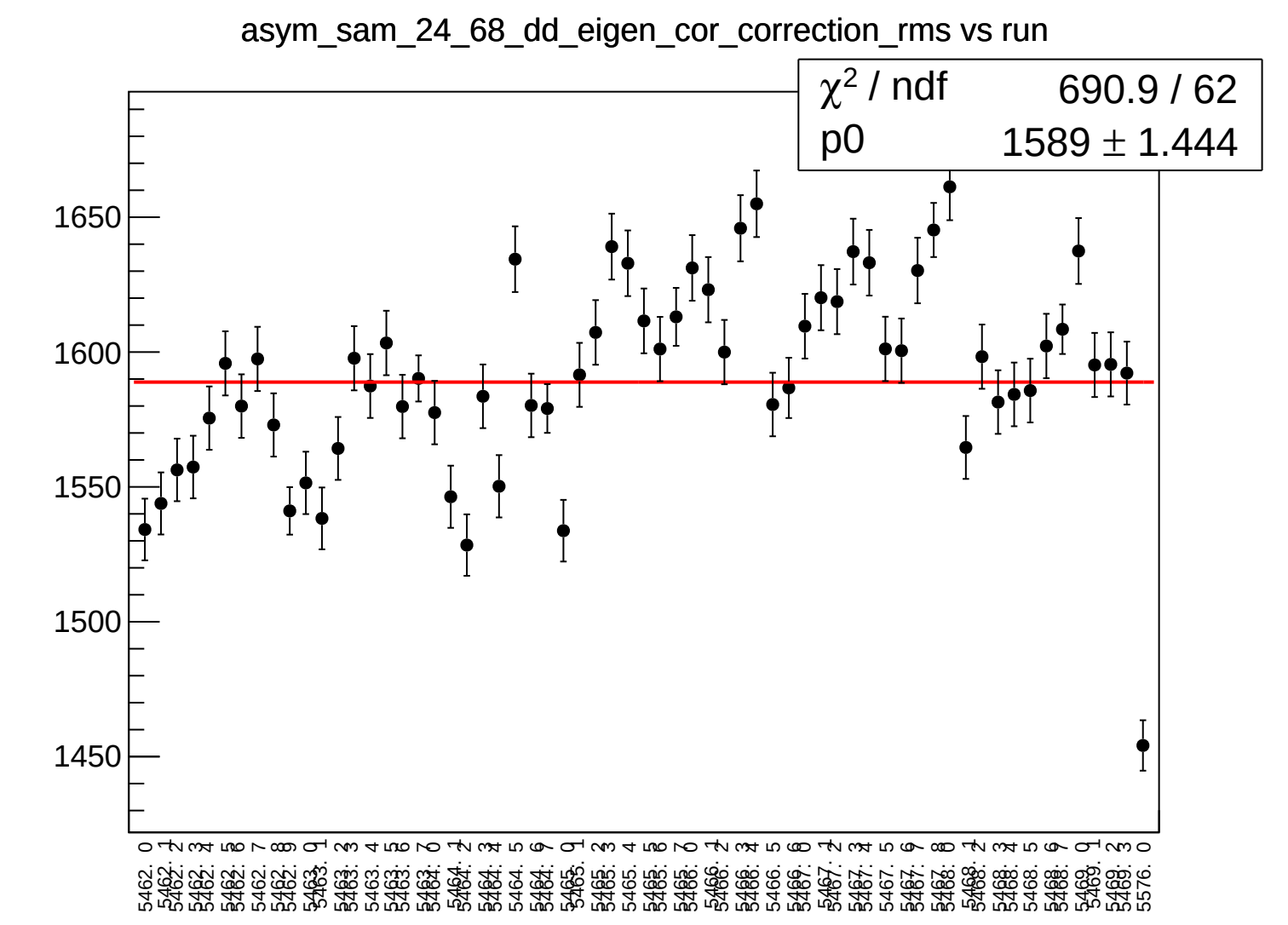

eigen_cor_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 45.58 / 62
p0 284.1 ± 162.3
pull
Entries 63
Mean −38.8
Std Dev 0

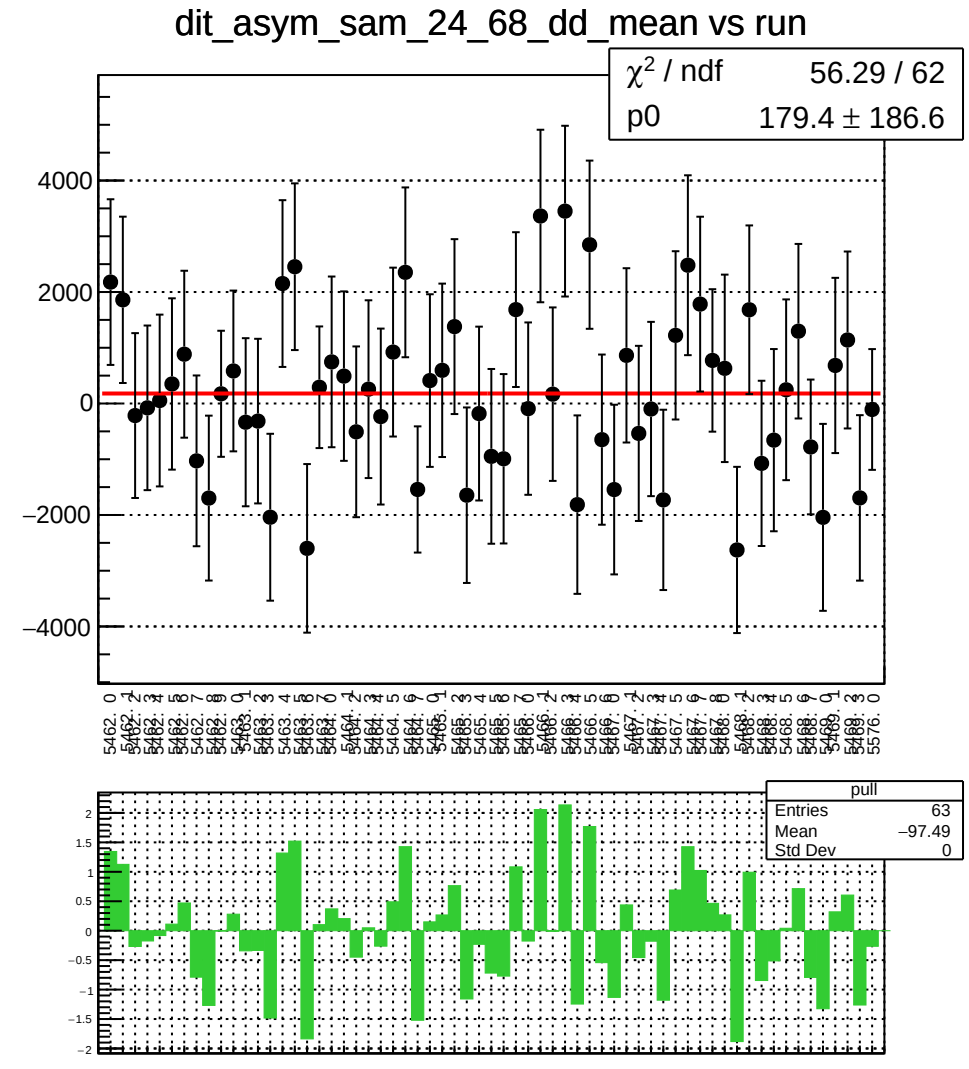

pull1D
Entries 63
Mean 0.01148
Std Dev 0.8505

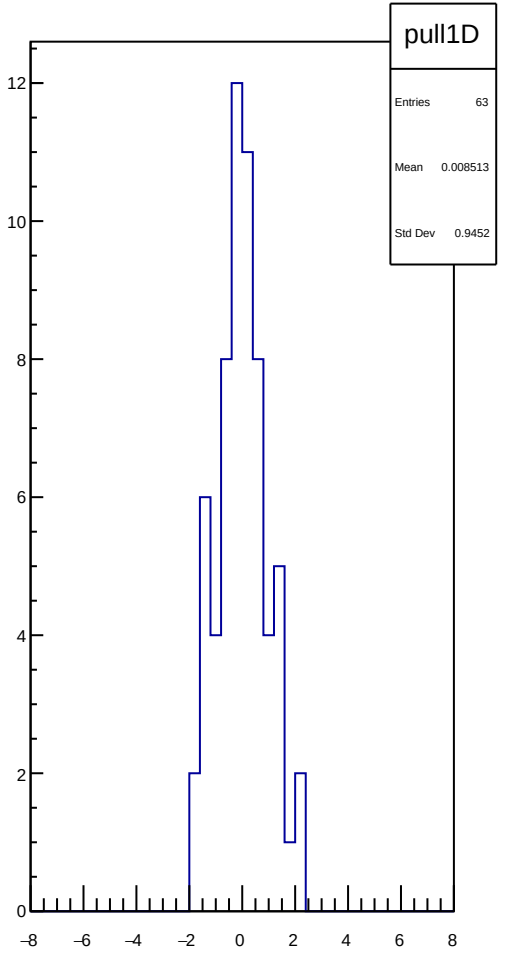

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6614 / 62
p0 125.9 ± 0.1147
140
130
120
110
100
90

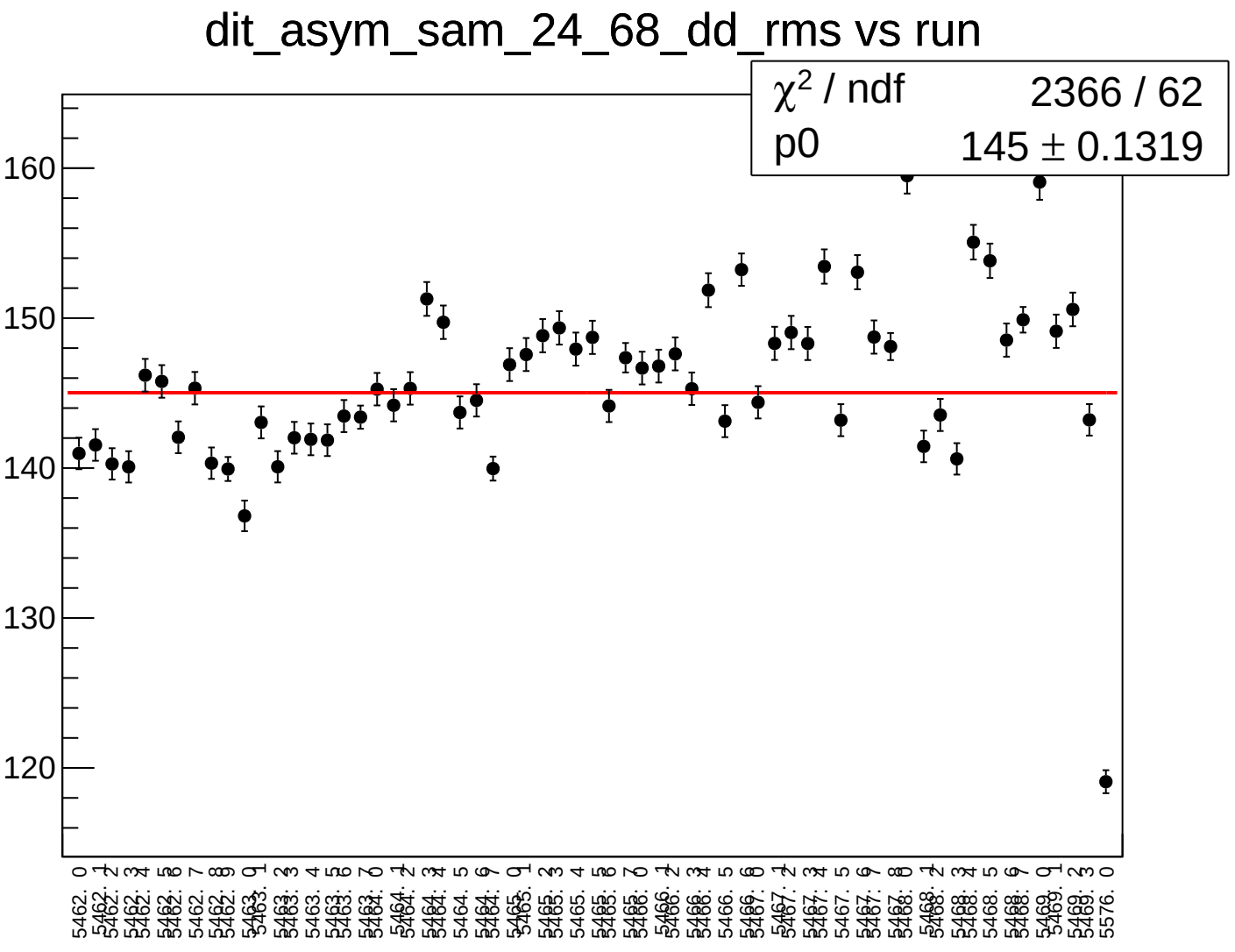

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.69 / 62
p0 905.1± 2043
pull
Entries 63
Mean 51.07
Std Dev 0

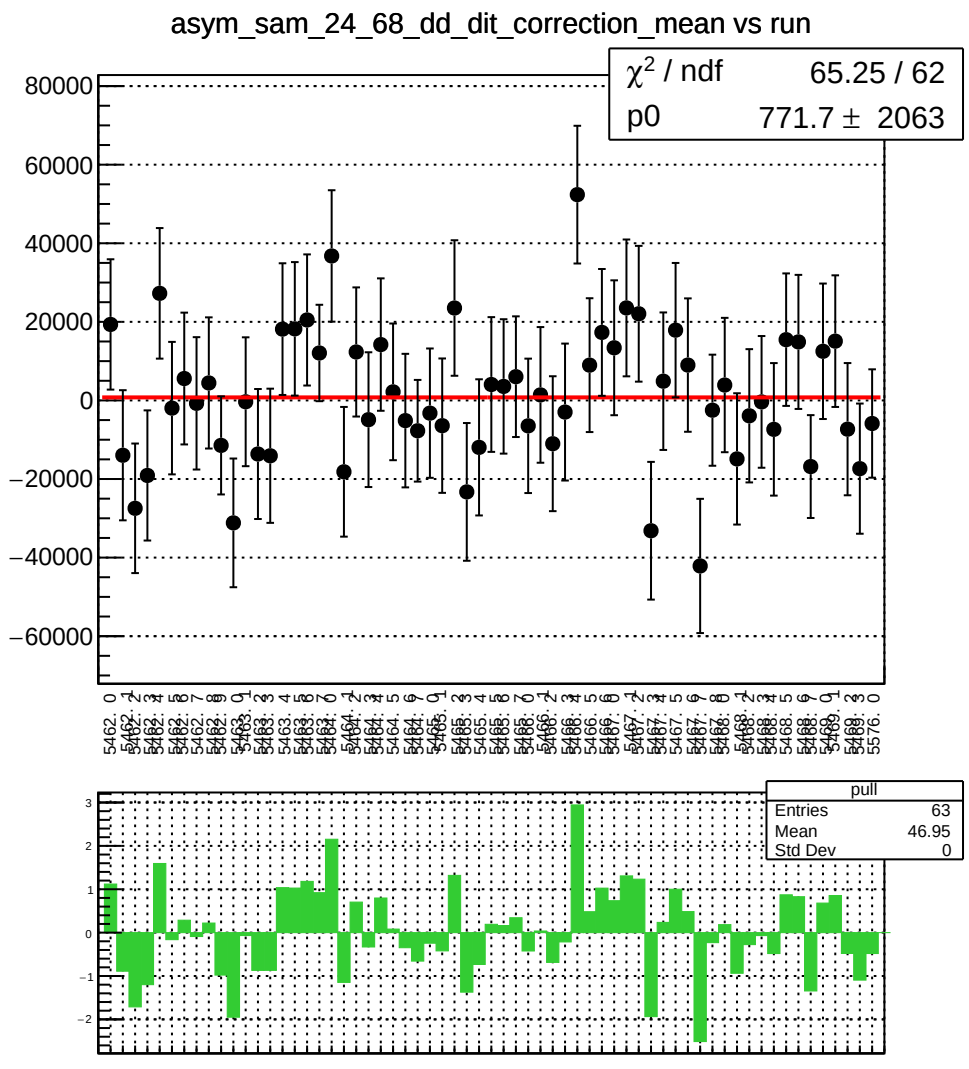

pull1D
Entries 63
Mean 0.01256
Std Dev 1.021

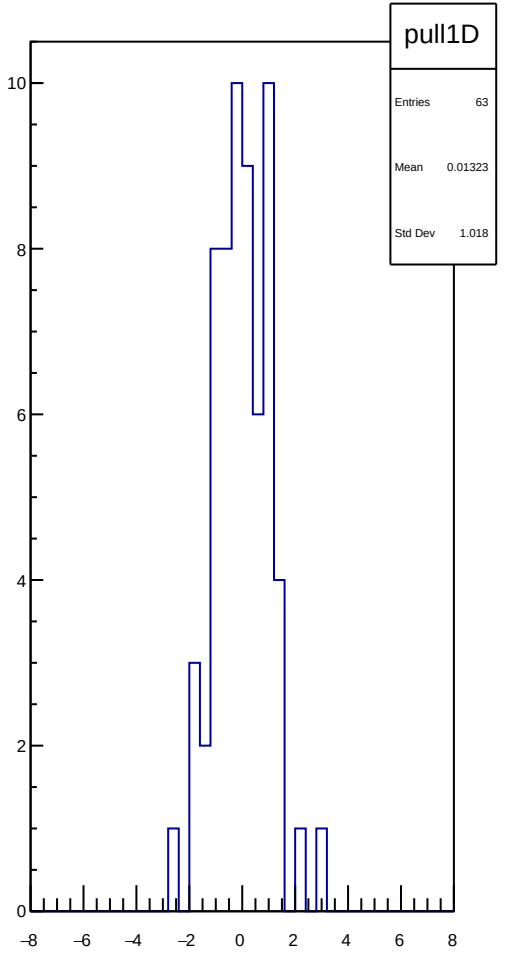

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 690.9 / 62
p0 1589 ± 1.444
1650
1600
1550
1500
1450

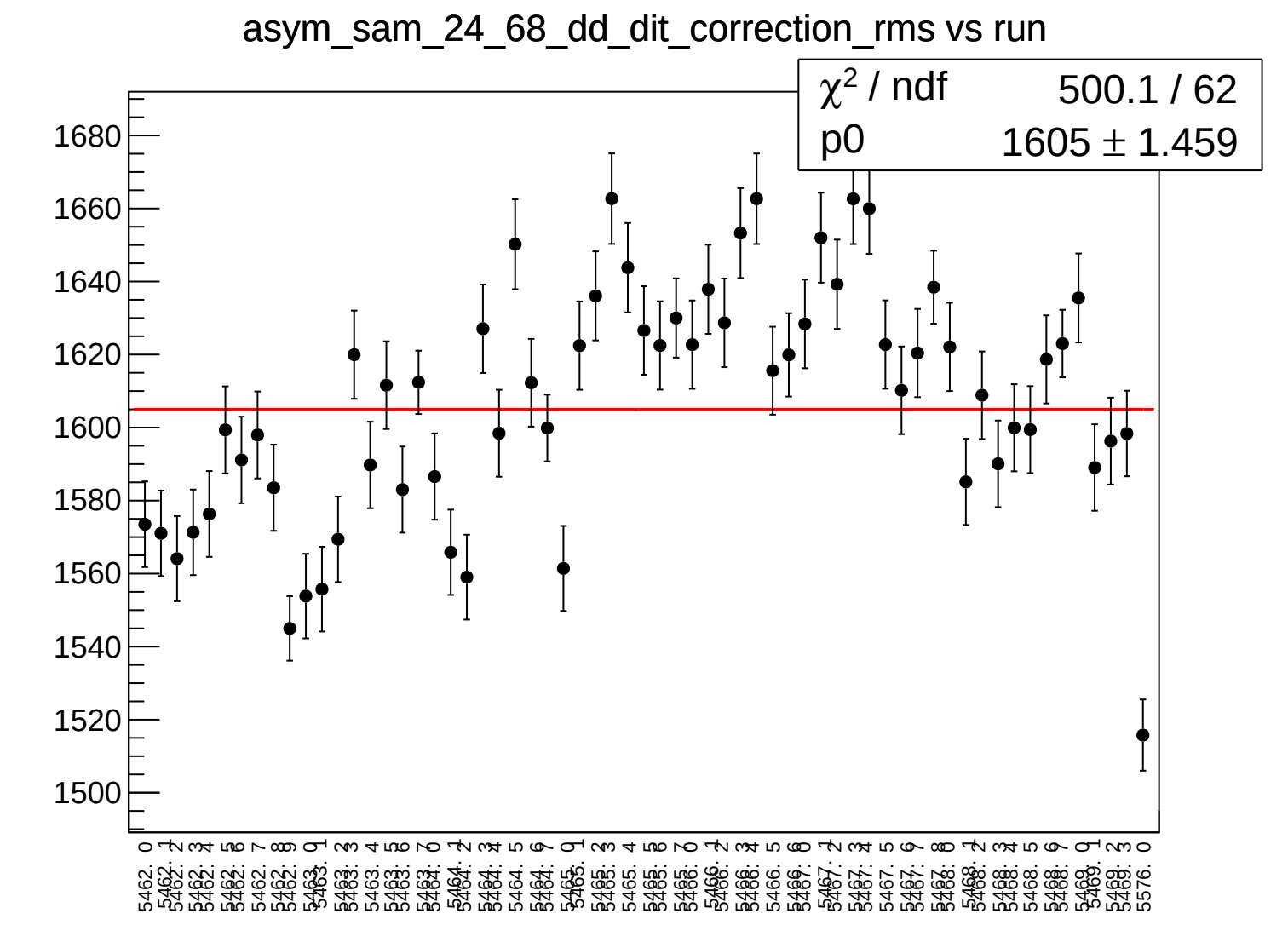

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 56.29 / 62
p0 179.4 ± 186.6
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −97.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

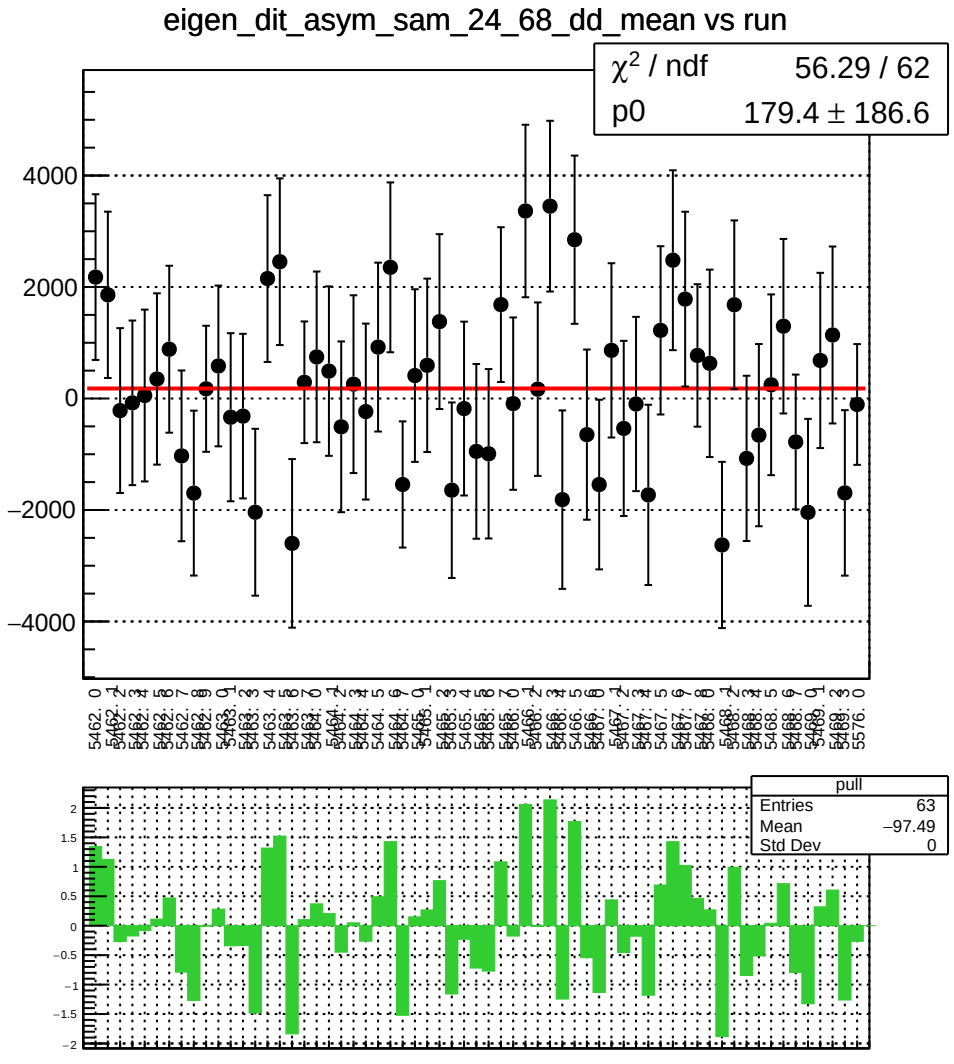

pull1D
Entries 63
Mean 0.008513
Std Dev 0.9452
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

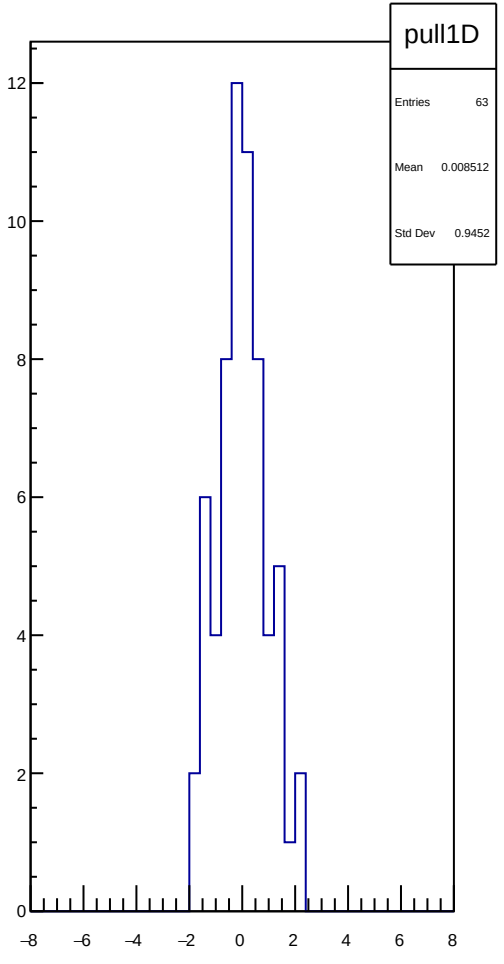

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2366 / 62
p0 145 ± 0.1319
160
150
140
130
120
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

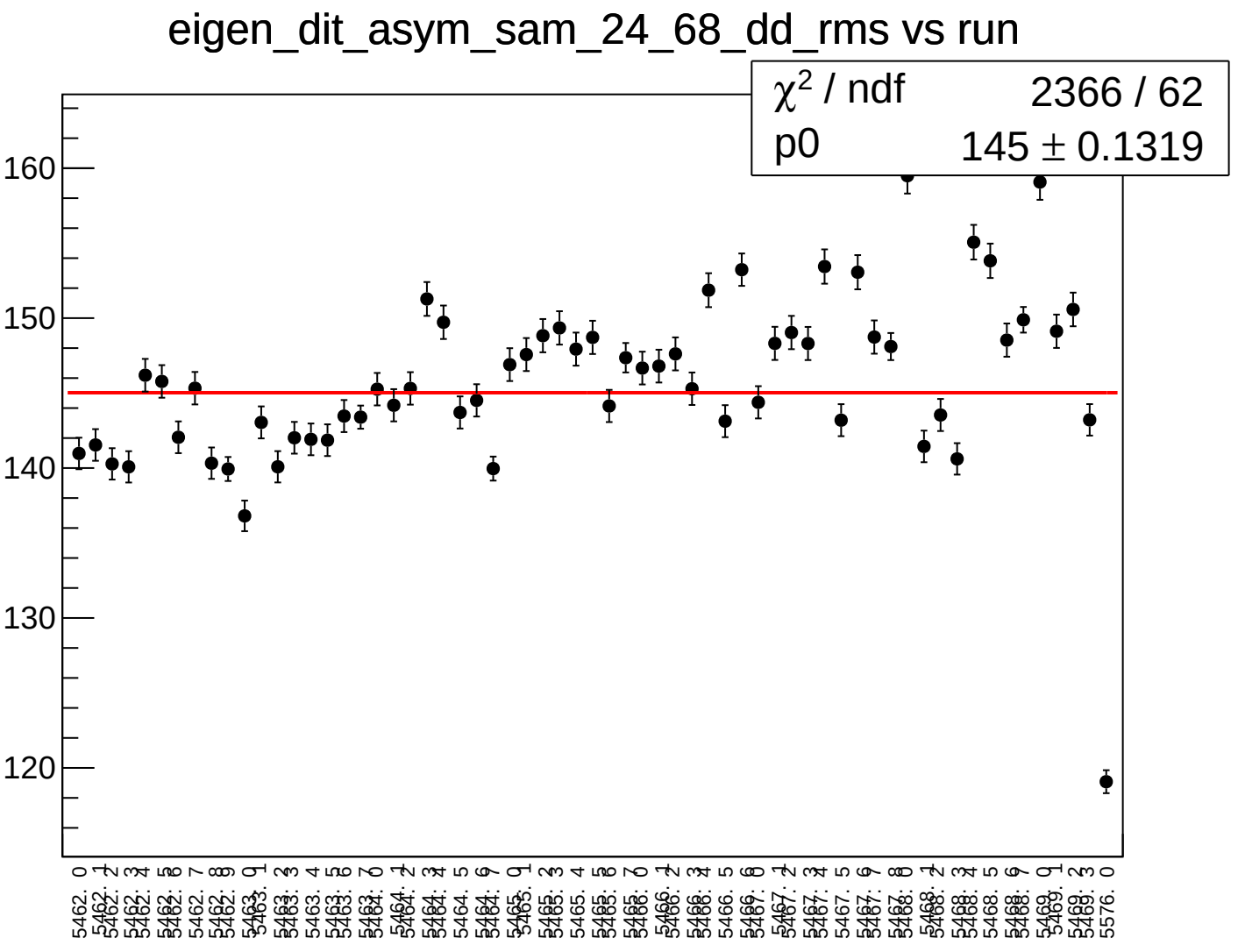

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 65.25 / 62
p0 771.7 ± 2063
pull
Entries 63
Mean 46.95
Std Dev 0


pull1D
Entries 63
Mean 0.01323
Std Dev 1.018


asym_sam_24_68_dd_dit_correction_rms vs run
χ^2 / ndf 500.1 / 62
p0 1605 ± 1.459
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500


eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 56.29 / 62
p0 179.4 ± 186.6
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −97.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 63
Mean 0.008512
Std Dev 0.9452
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2366 / 62
p0 145 ± 0.1319
160
150
140
130
120
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
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5468. 6
5468. 7
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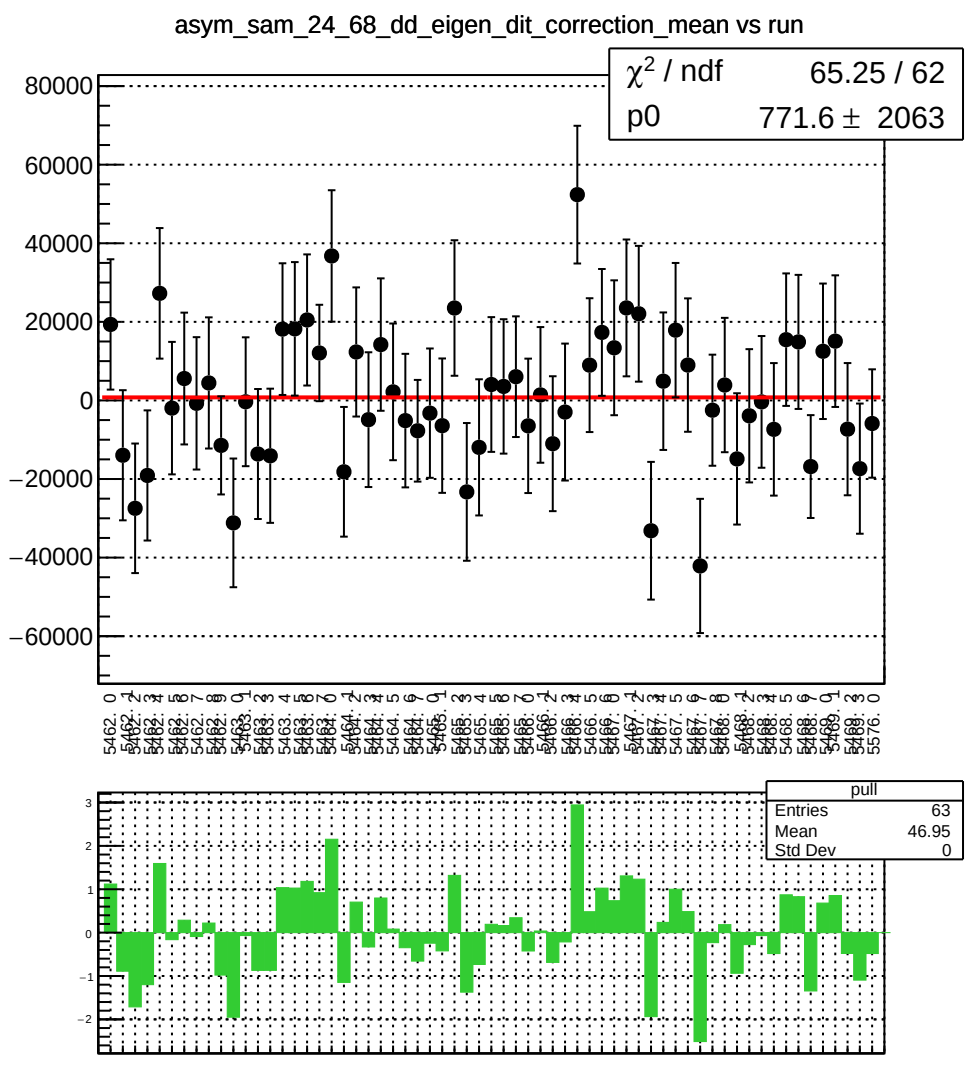
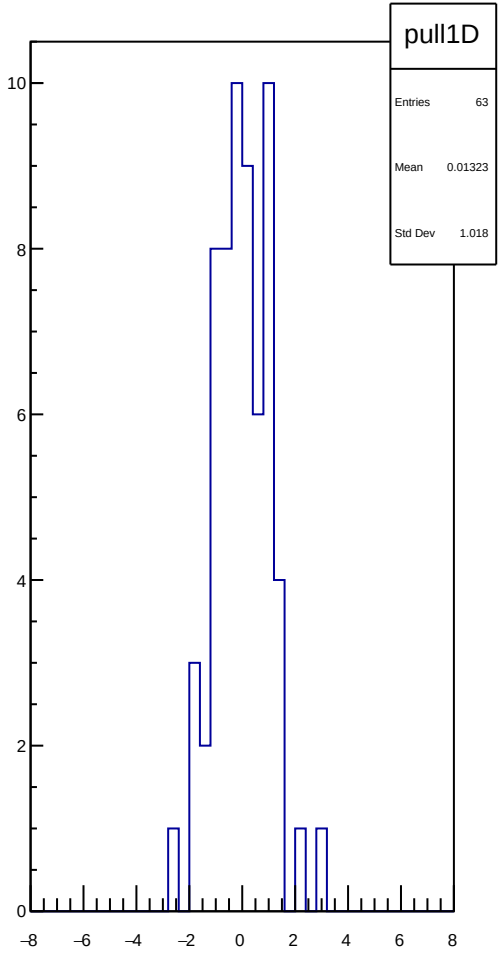
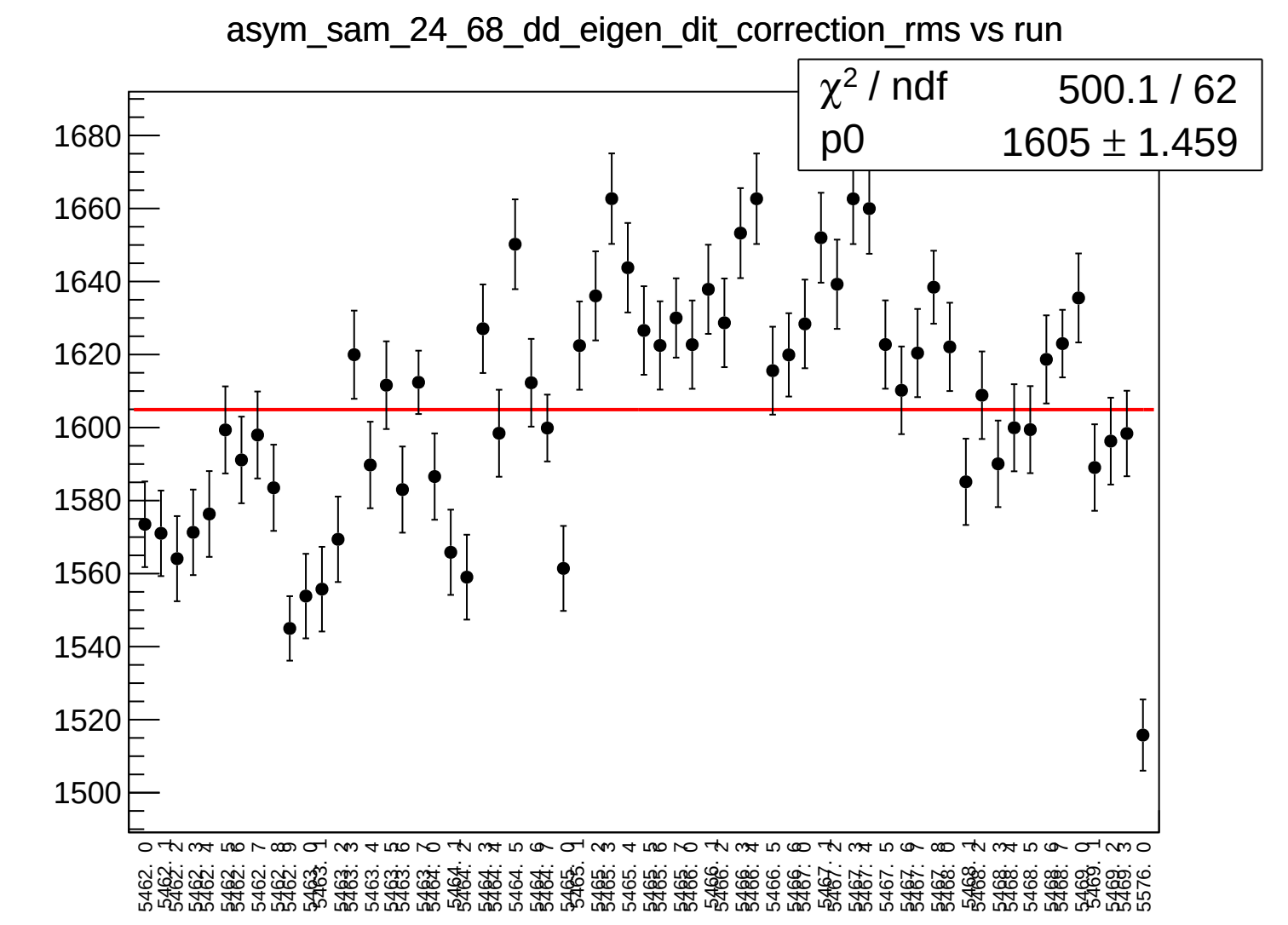
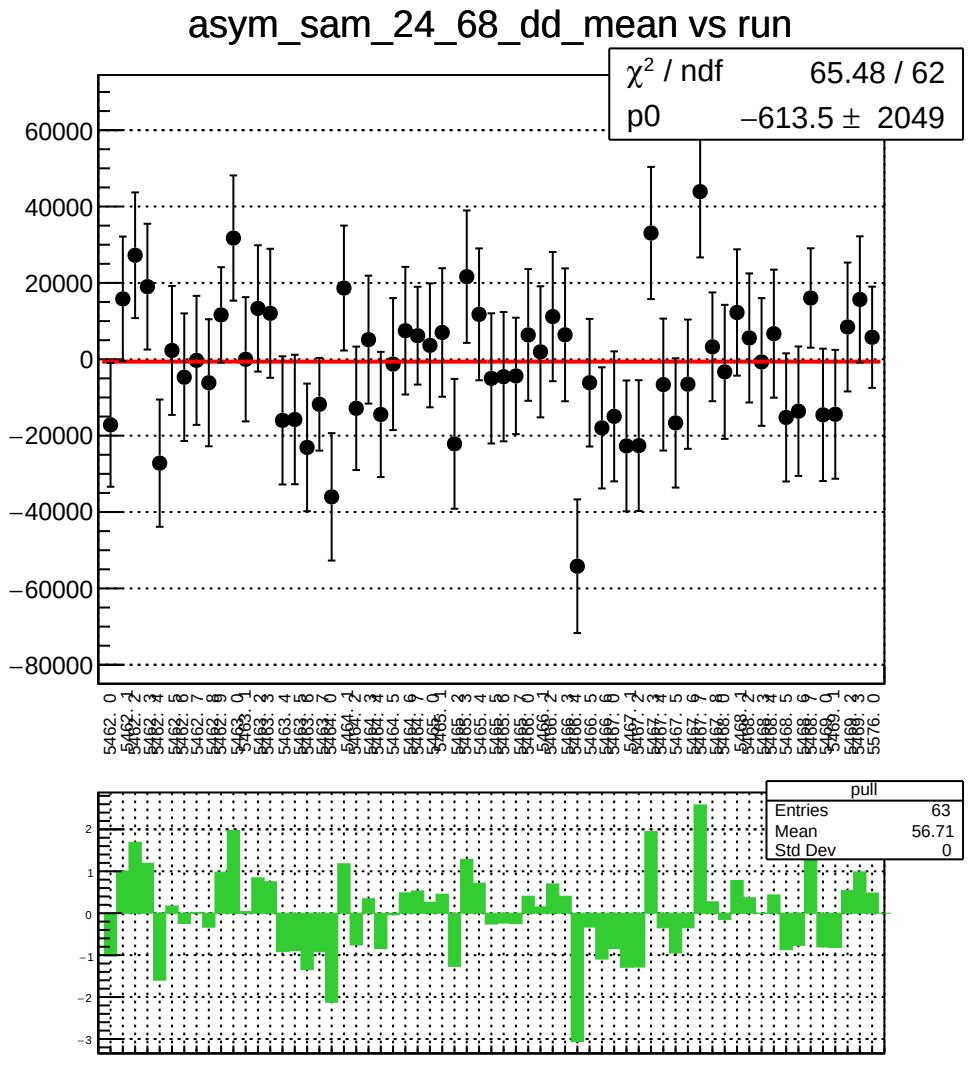
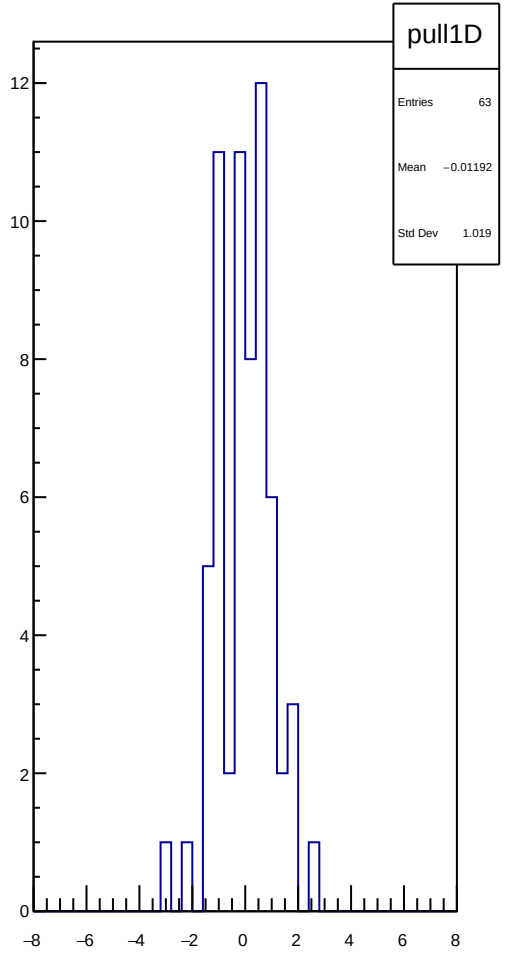
5469. 1
5469. 2
5469. 3
5576. 0

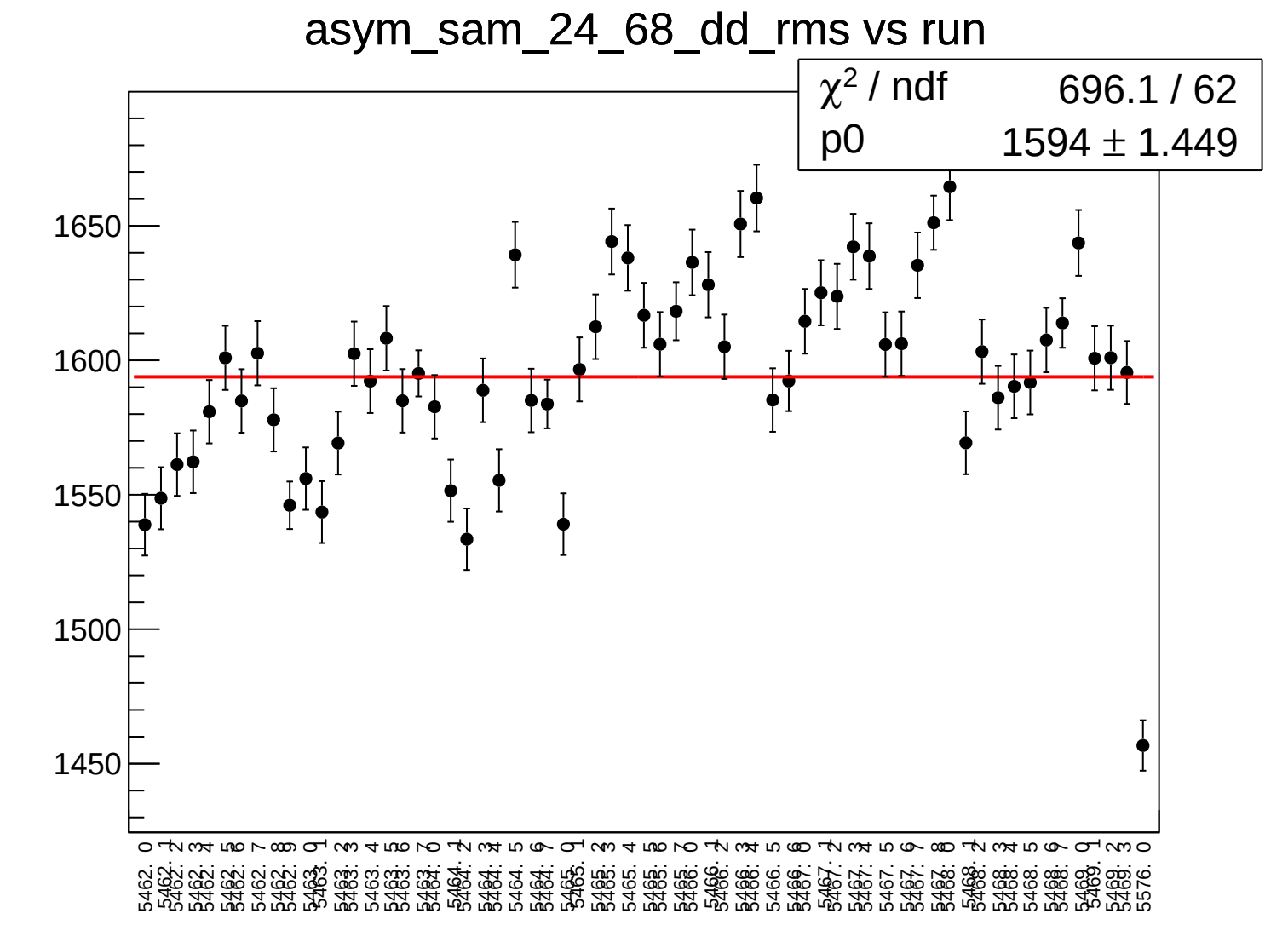

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.25 / 62
p0 771.6 ± 2063
pull
Entries 63
Mean 46.95
Std Dev 0

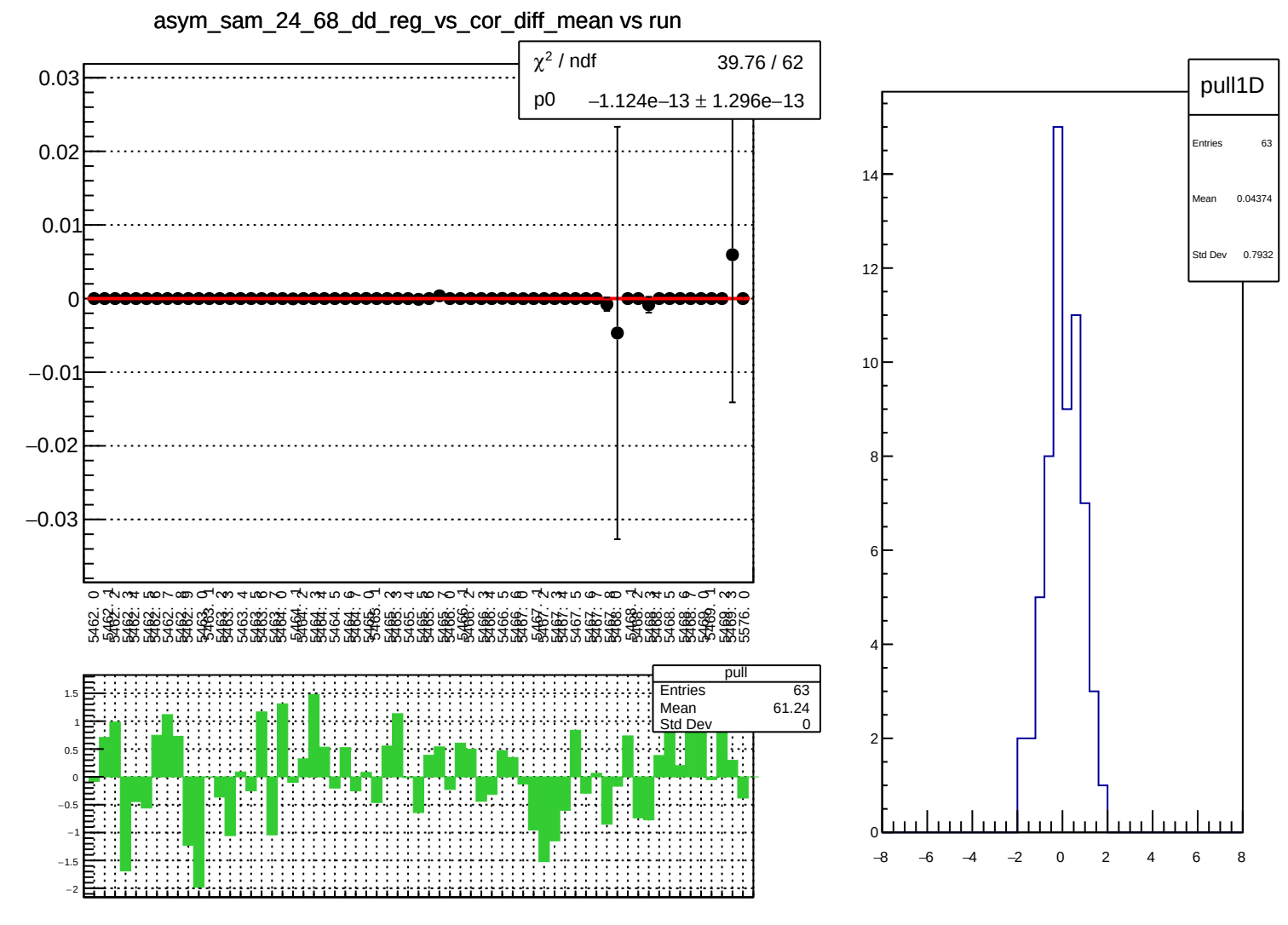

pull1D
Entries 63
Mean 0.01323
Std Dev 1.018

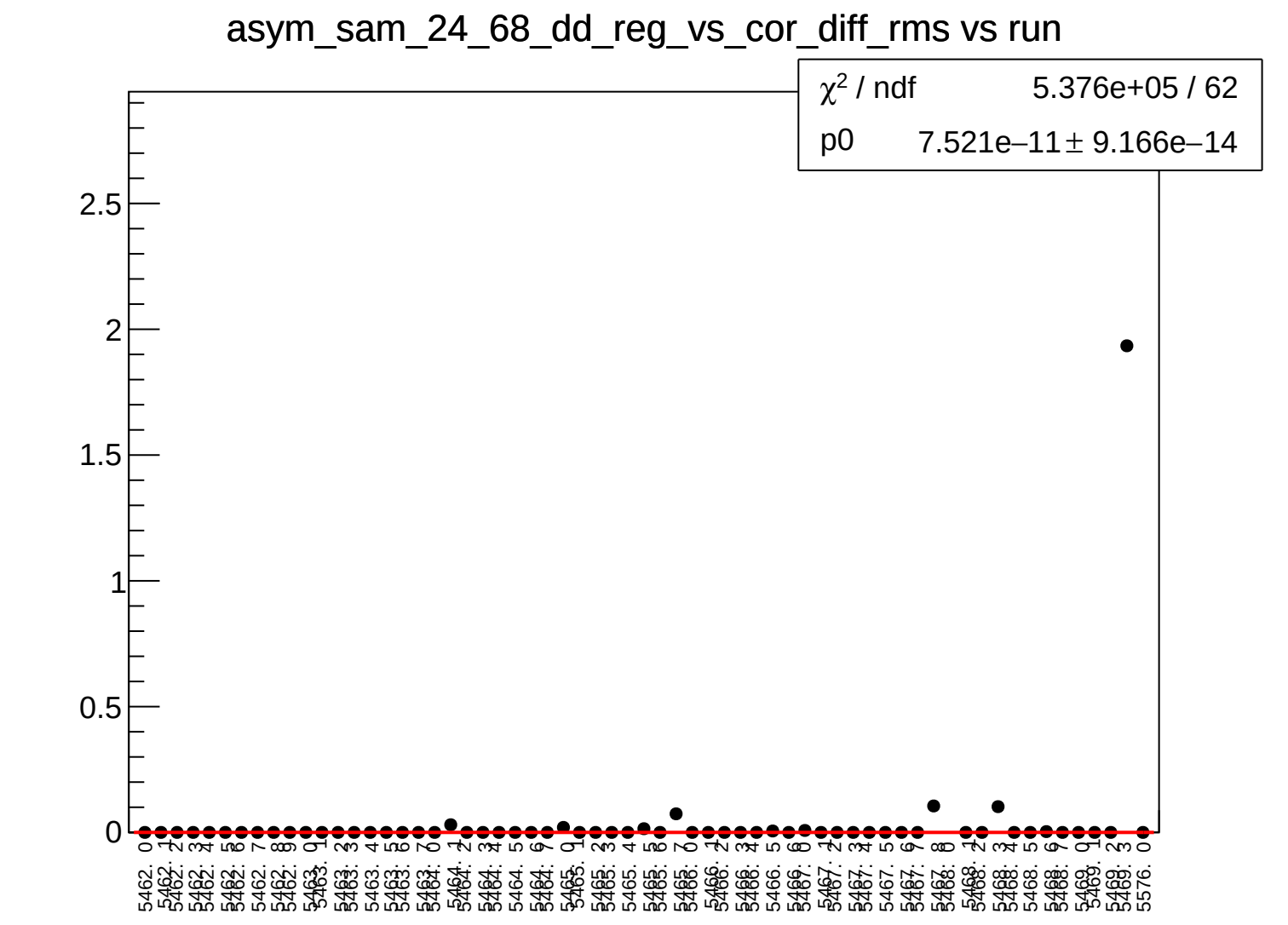

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 500.1 / 62
p0 1605 ± 1.459
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500

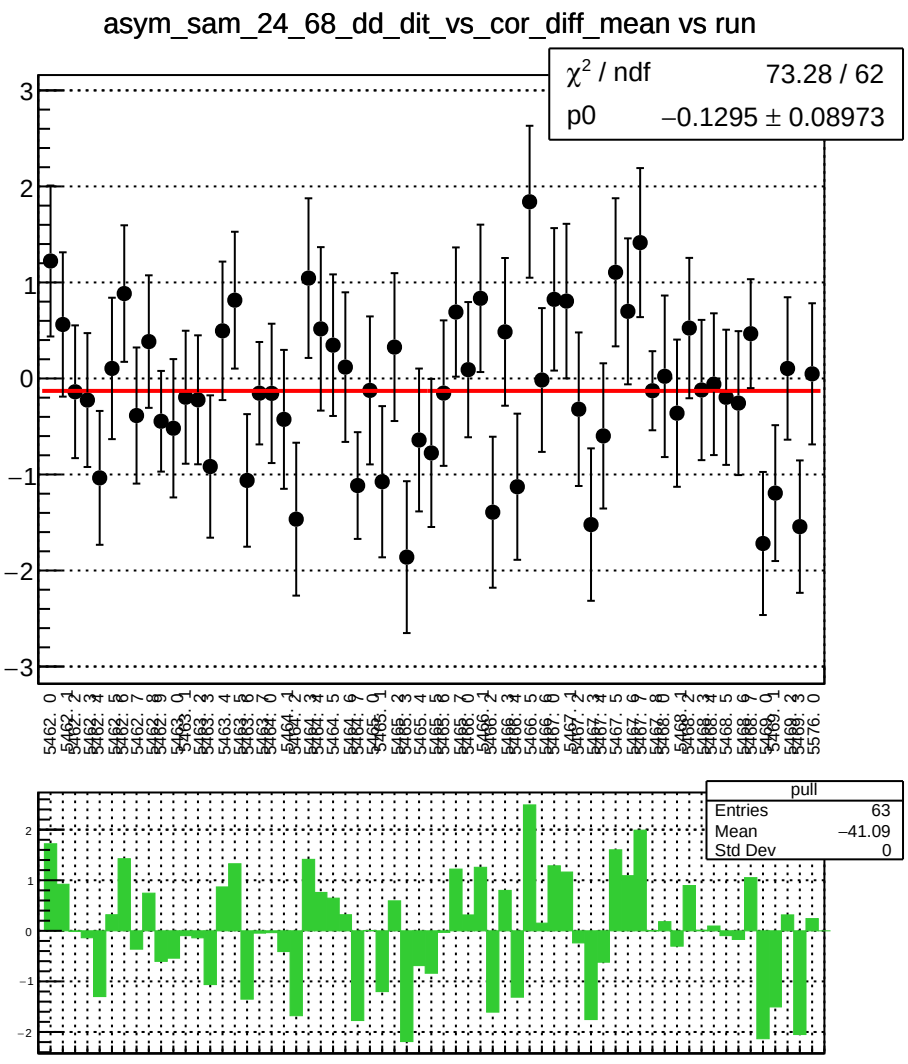

asym_sam_24_68_dd_mean vs run
χ² / ndf 65.48 / 62
p0 −613.5 ± 2049
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 63
Mean 56.71
Std Dev 0
2
1
0
−1
−2
−3

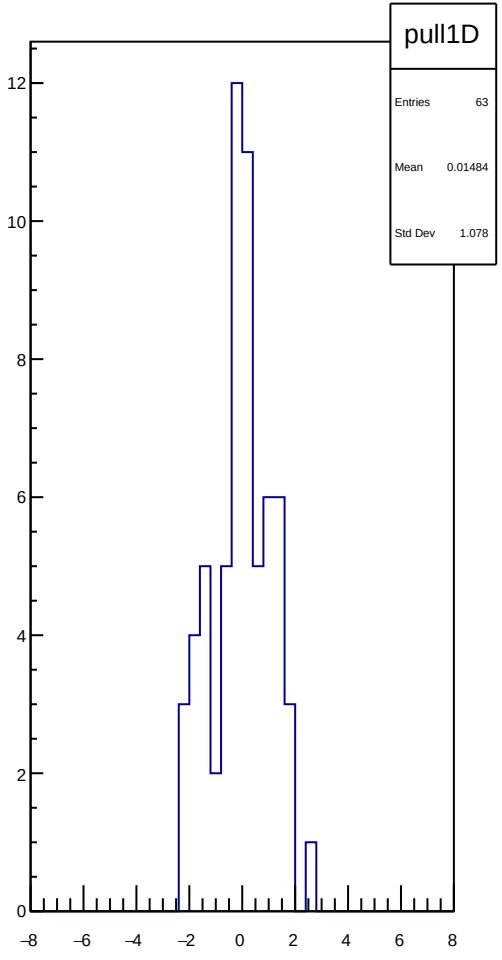

pull1D
Entries 63
Mean −0.01192
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

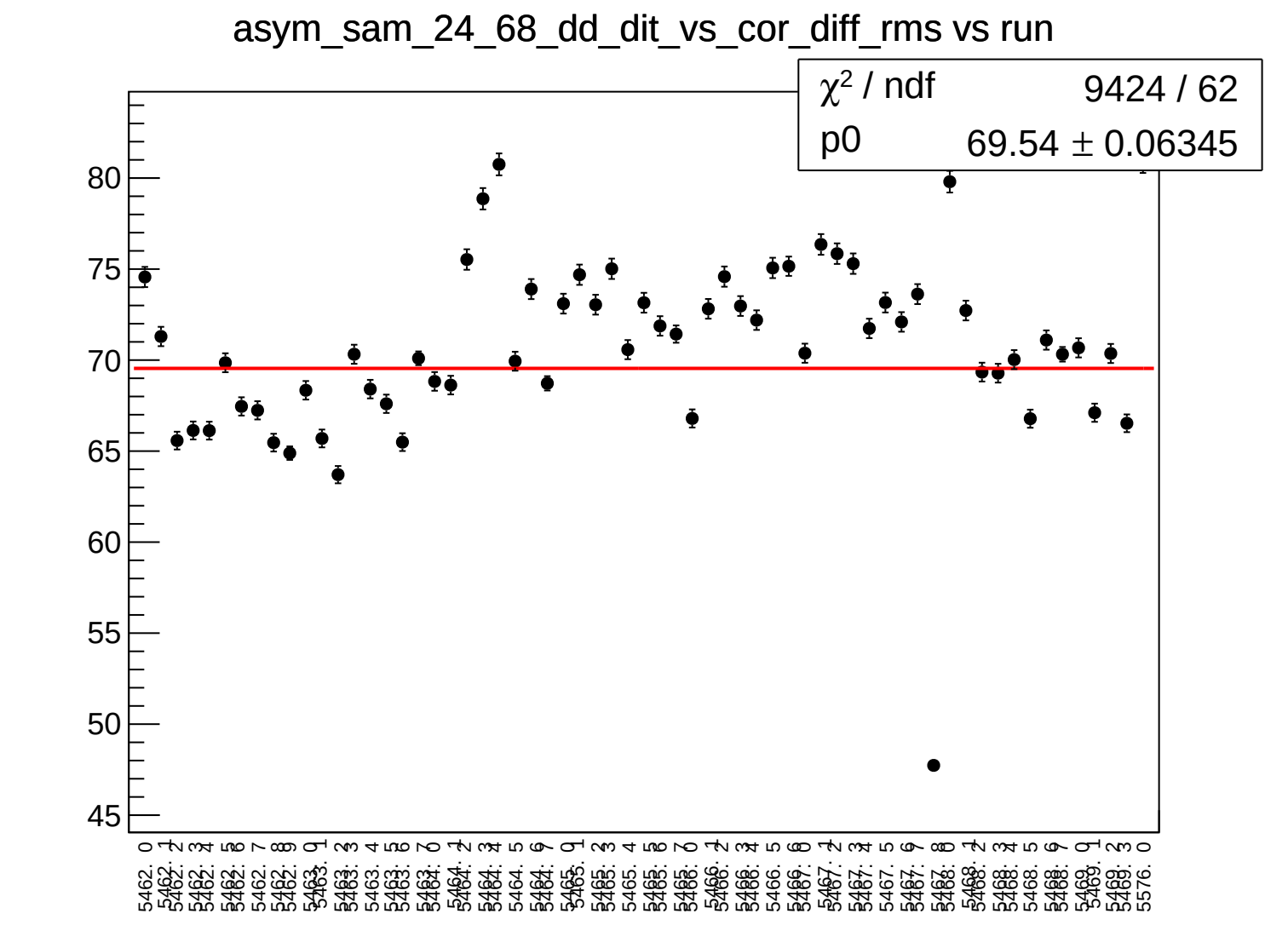

asym_sam_24_68_dd_rms vs run
χ² / ndf 696.1 / 62
p0 1594 ± 1.449
1650
1600
1550
1500
1450

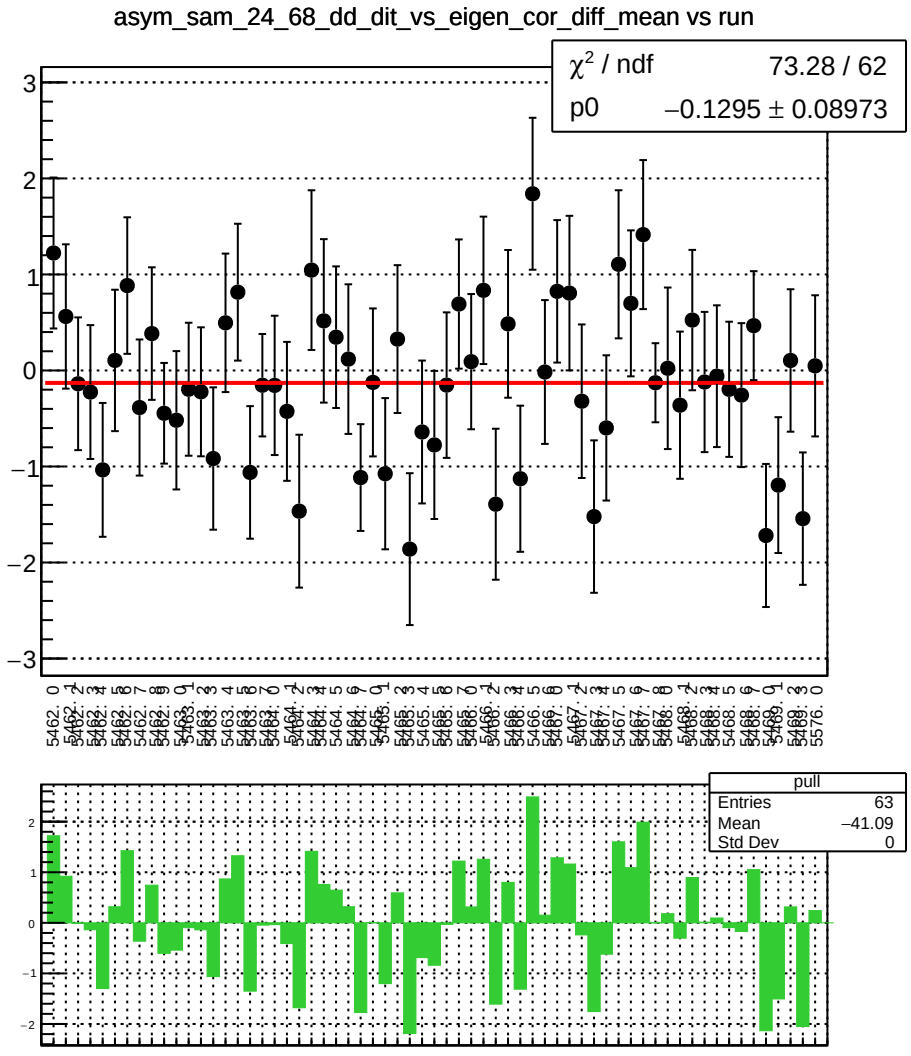

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.76 / 62
p0 −1.124e−13 ± 1.296e−13
pull
Entries 63
Mean 61.24
Std Dev 0
pull1D
Entries 63
Mean 0.04374
Std Dev 0.7932

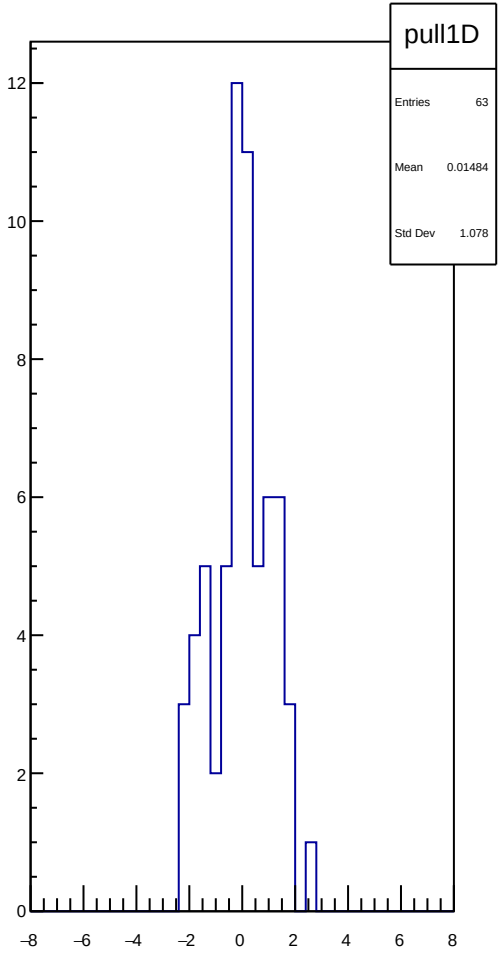

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.376e+05 / 62
p0 7.521e−11 ± 9.166e−14
2.5
2
1.5
1
0.5
0

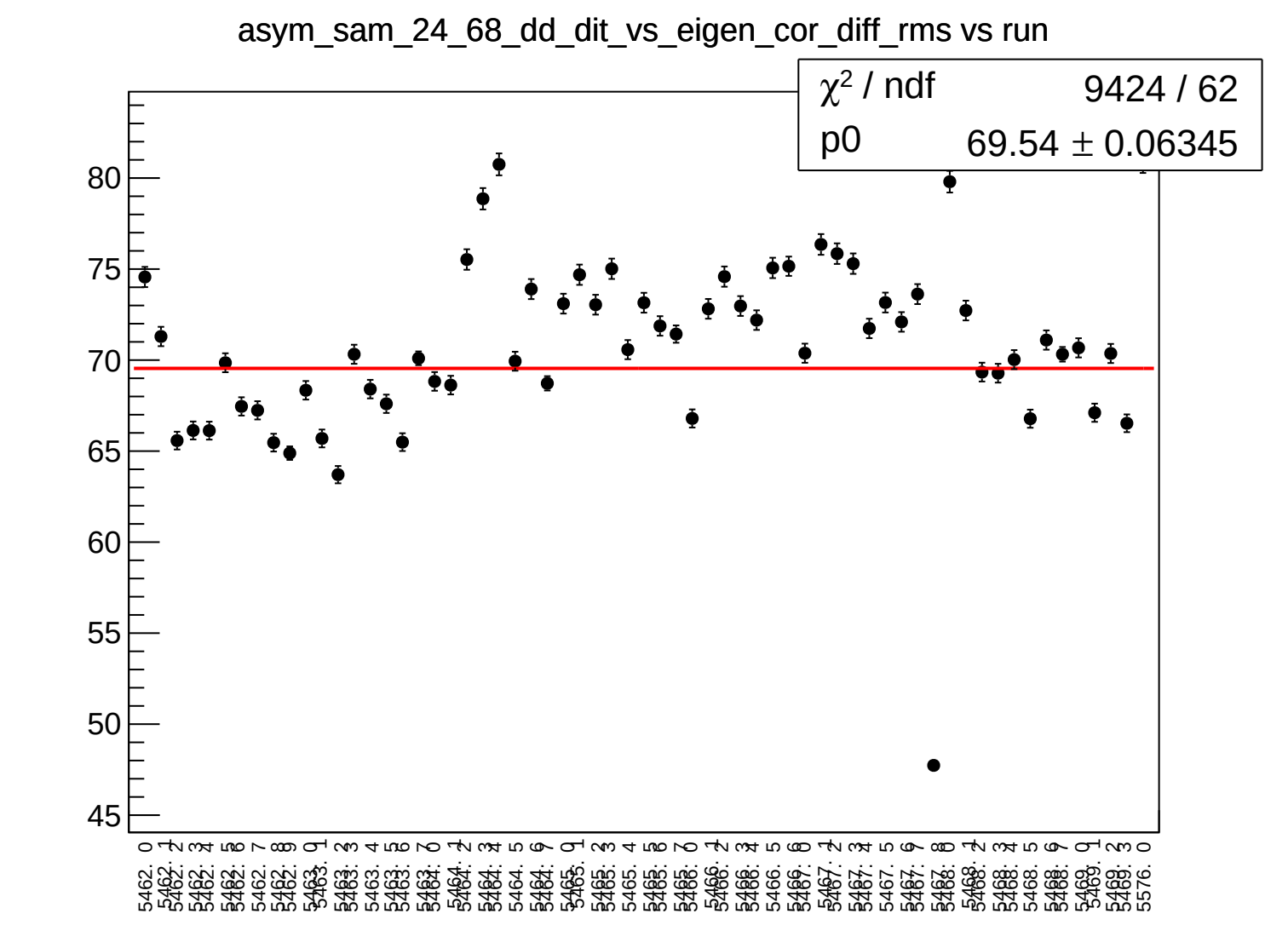

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.28 / 62
p0 −0.1295 ± 0.08973
pull
Entries 63
Mean −41.09
Std Dev 0

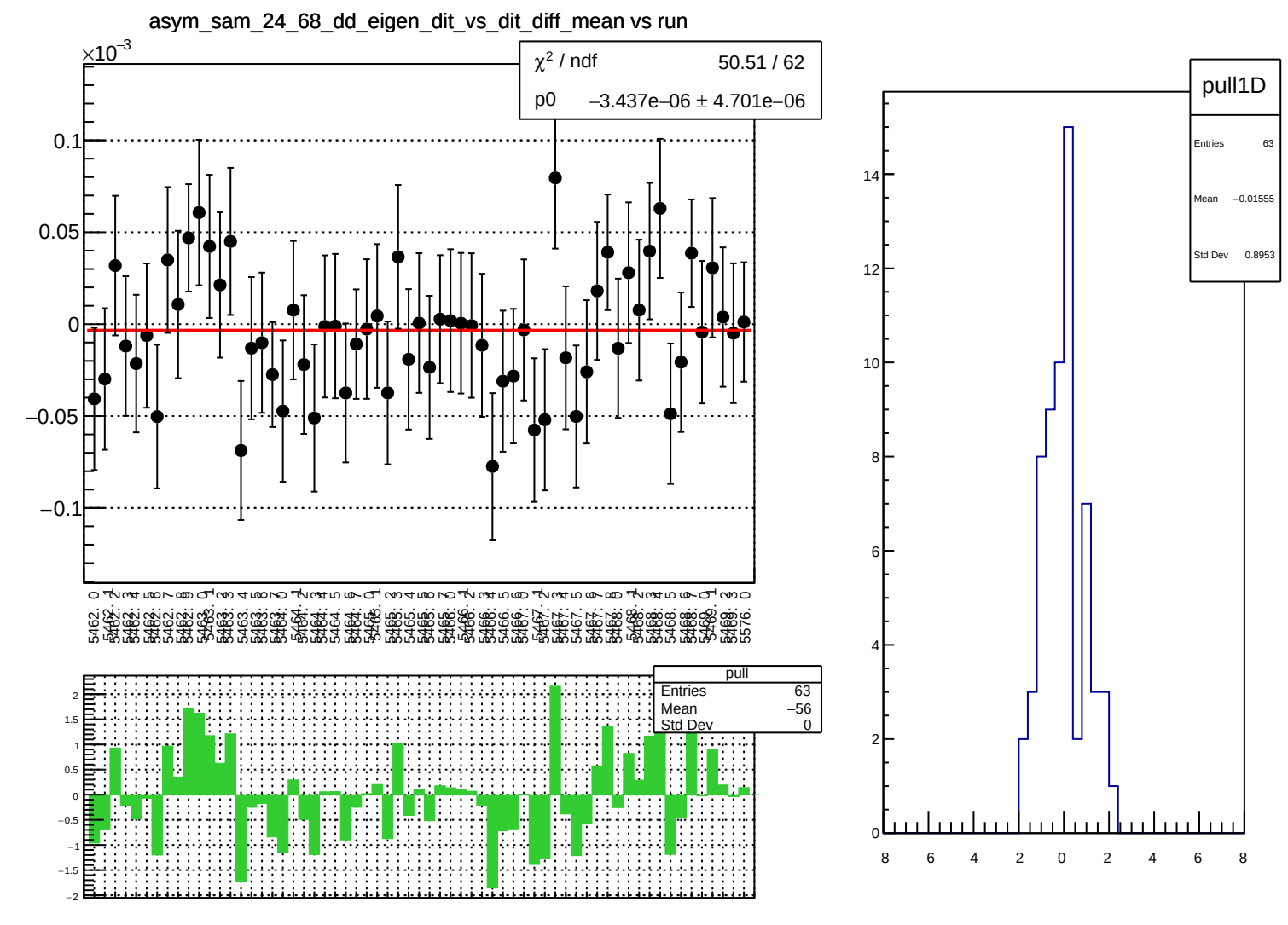

pull1D
Entries 63
Mean 0.01484
Std Dev 1.078

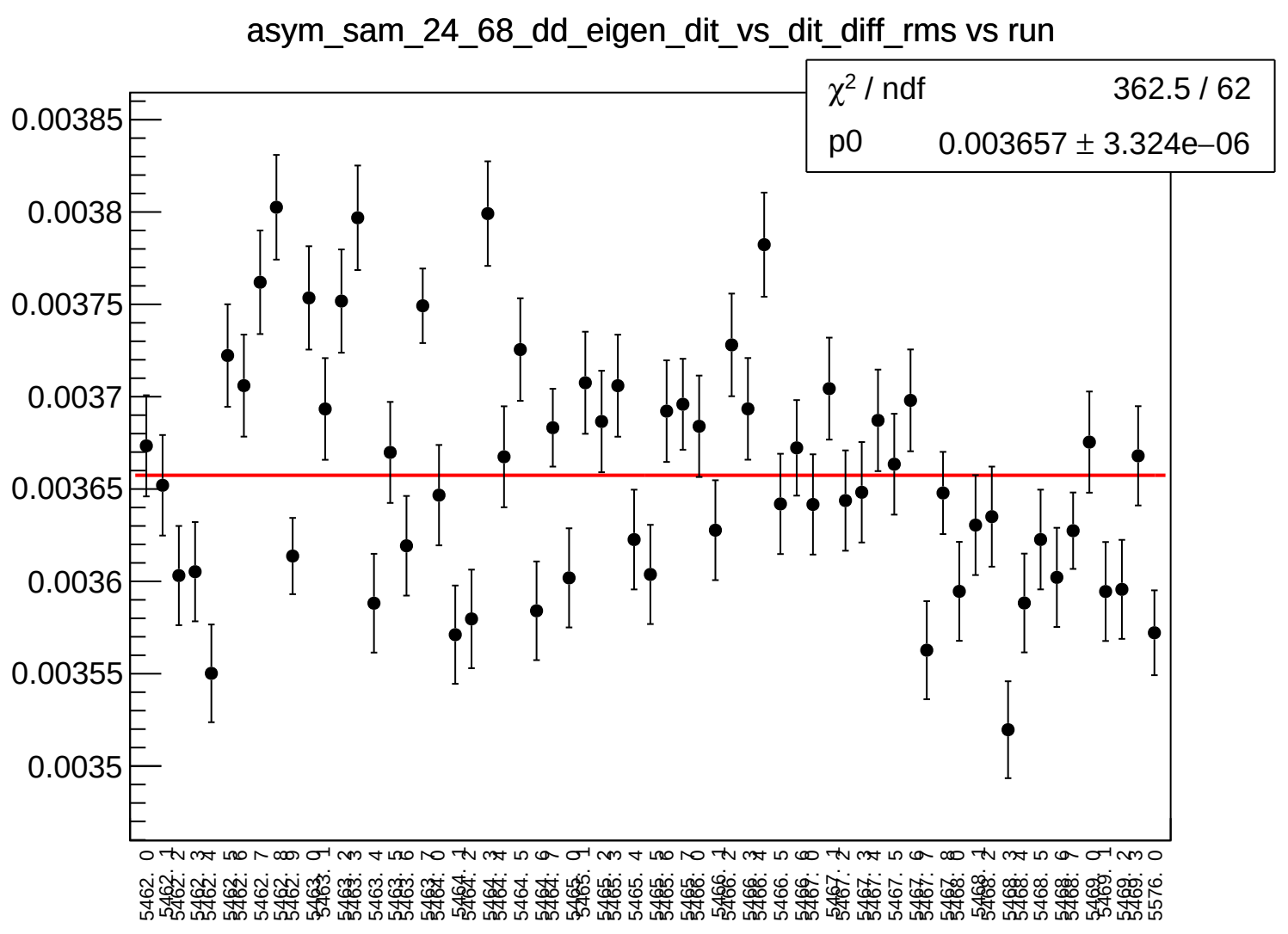

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9424 / 62
p0 69.54 ± 0.06345
80
75
70
65
60
55
50
45

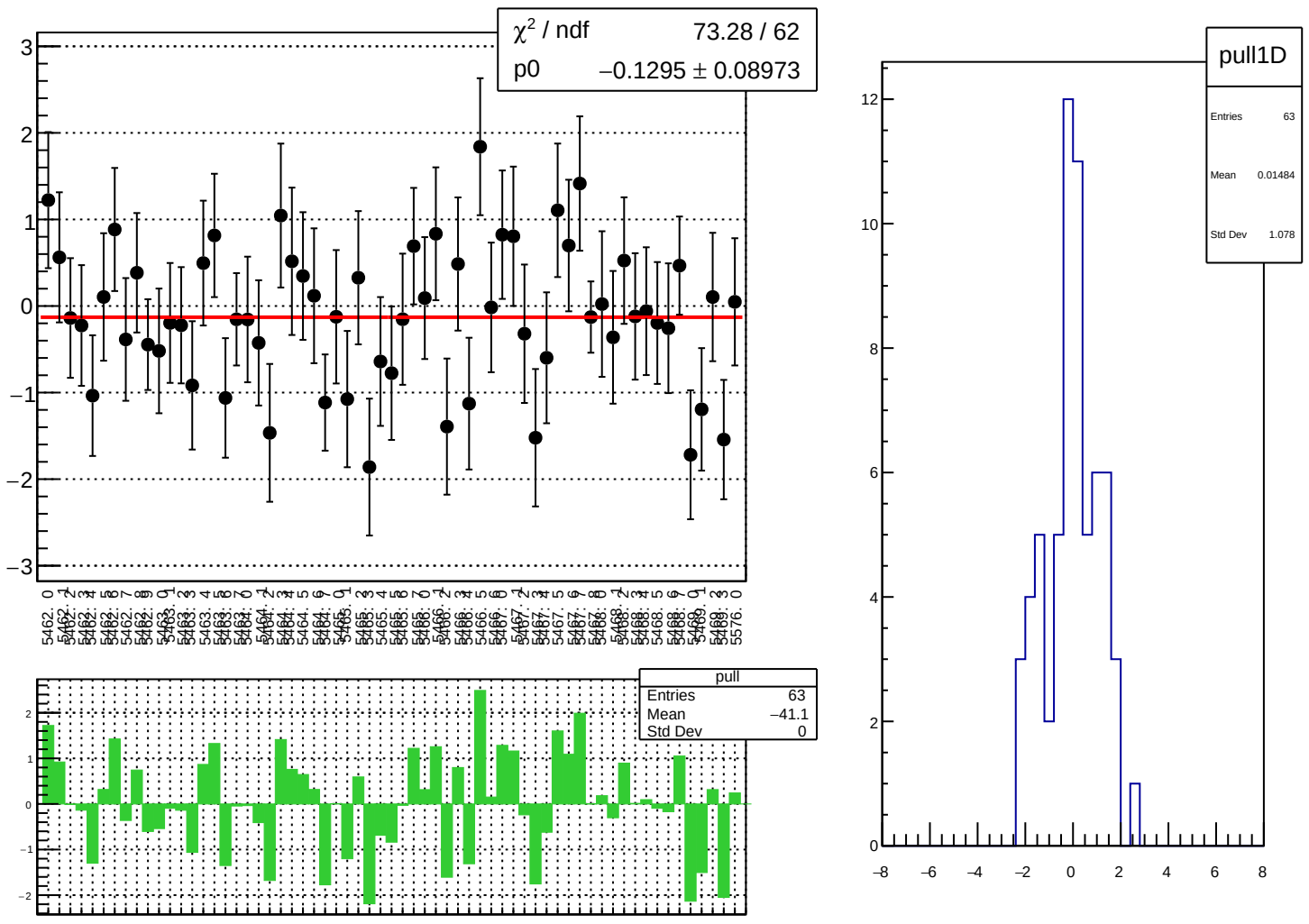

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.28 / 62
p0 −0.1295 ± 0.08973
pull
Entries 63
Mean −41.09
Std Dev 0

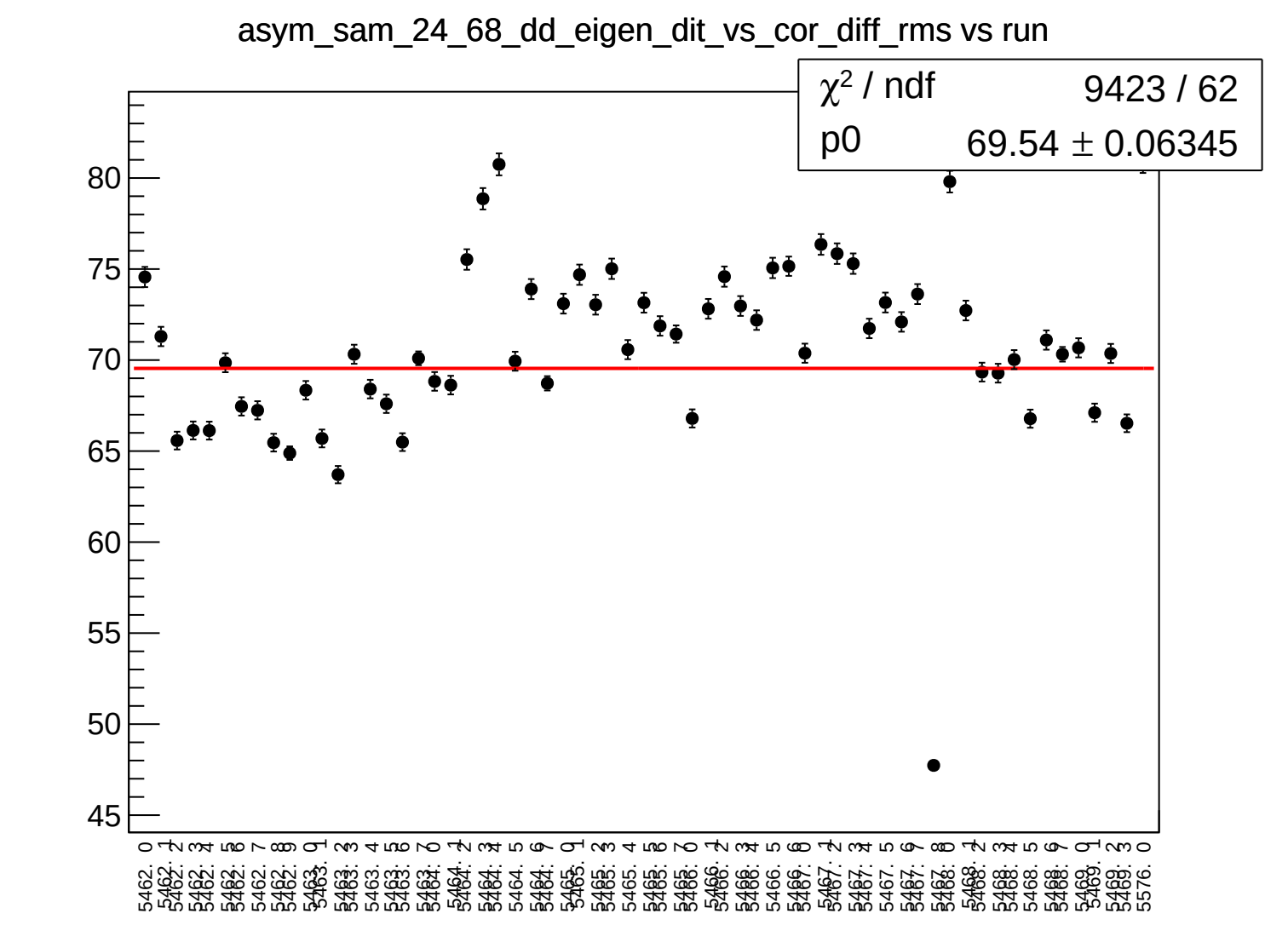

pull1D
Entries 63
Mean 0.01484
Std Dev 1.078


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9424 / 62
p0 69.54 ± 0.06345
80
75
70
65
60
55
50
45


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.51 / 62
p0 −3.437e−06 ± 4.701e−06
pull
Entries 63
Mean −56
Std Dev 0
pull1D
Entries 63
Mean −0.01555
Std Dev 0.8953


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 362.5 / 62
p0 0.003657 ± 3.324e−06
0.00385
0.0038
0.00375
0.0037
0.00365
0.0036
0.00355
0.0035


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.28 / 62
p0 −0.1295 ± 0.08973
pull
Entries 63
Mean −41.1
Std Dev 0
pull1D
Entries 63
Mean 0.01484
Std Dev 1.078


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9423 / 62
p0 69.54 ± 0.06345
80
75
70
65
60
55
50
45
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
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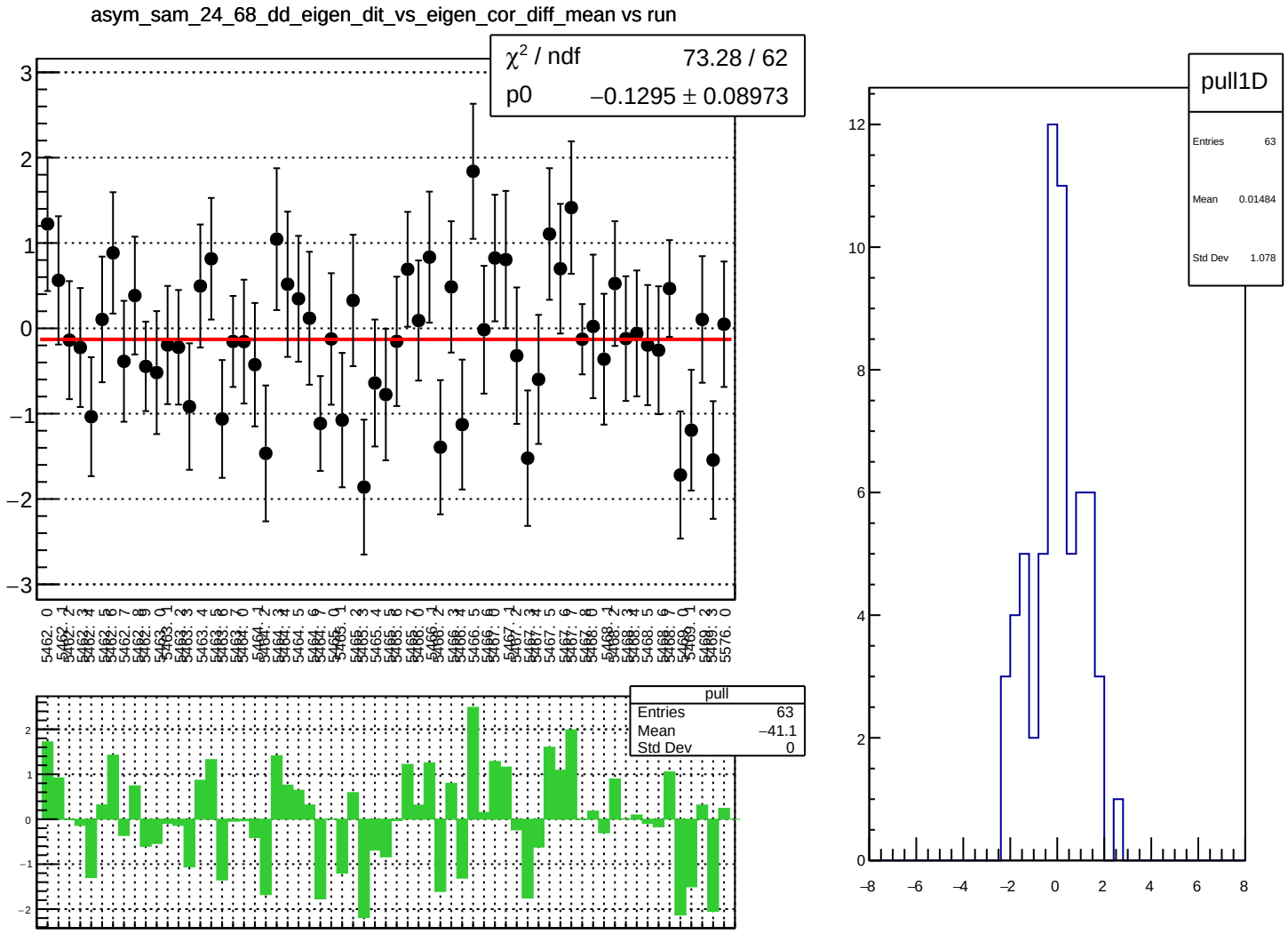
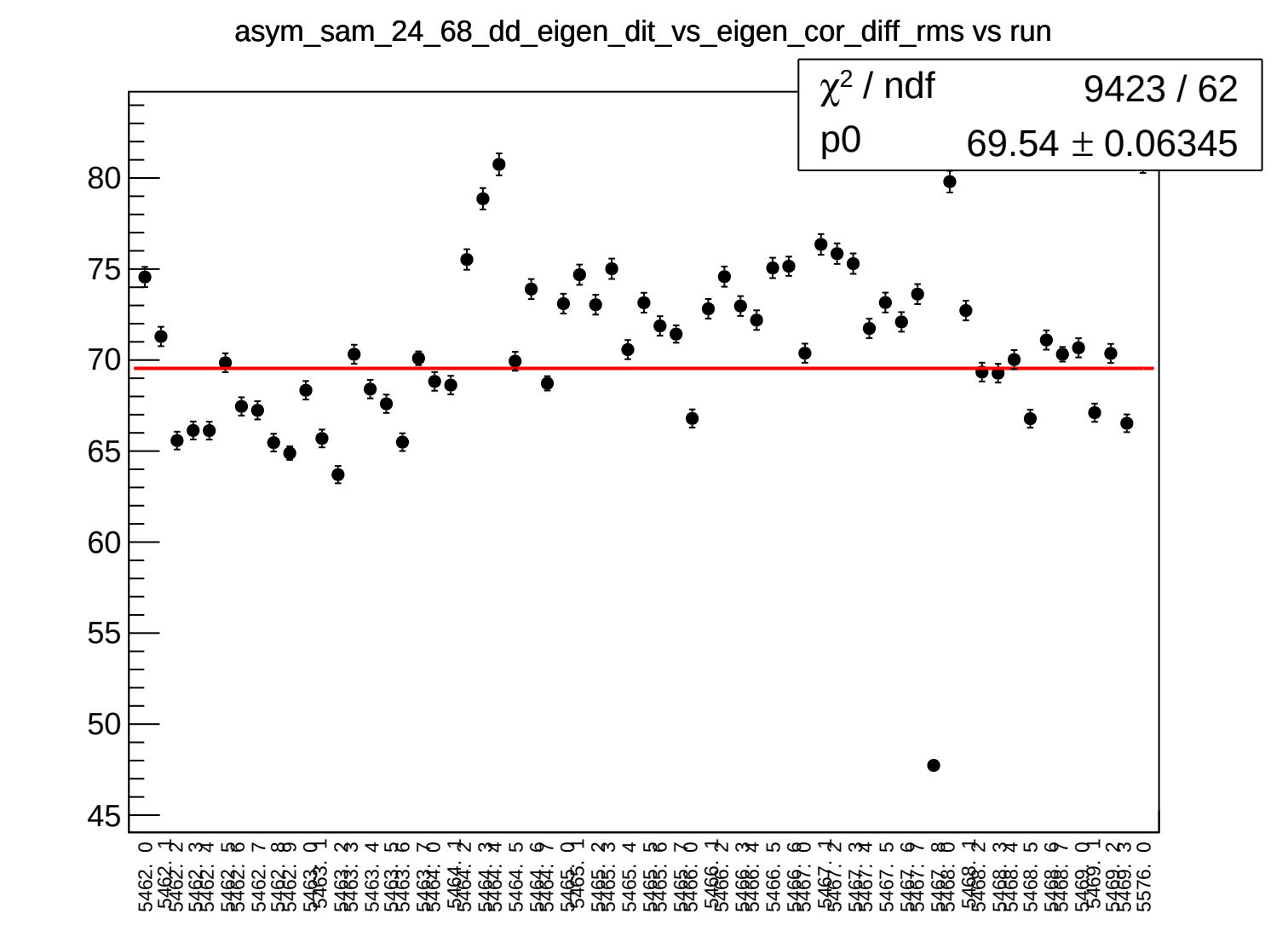
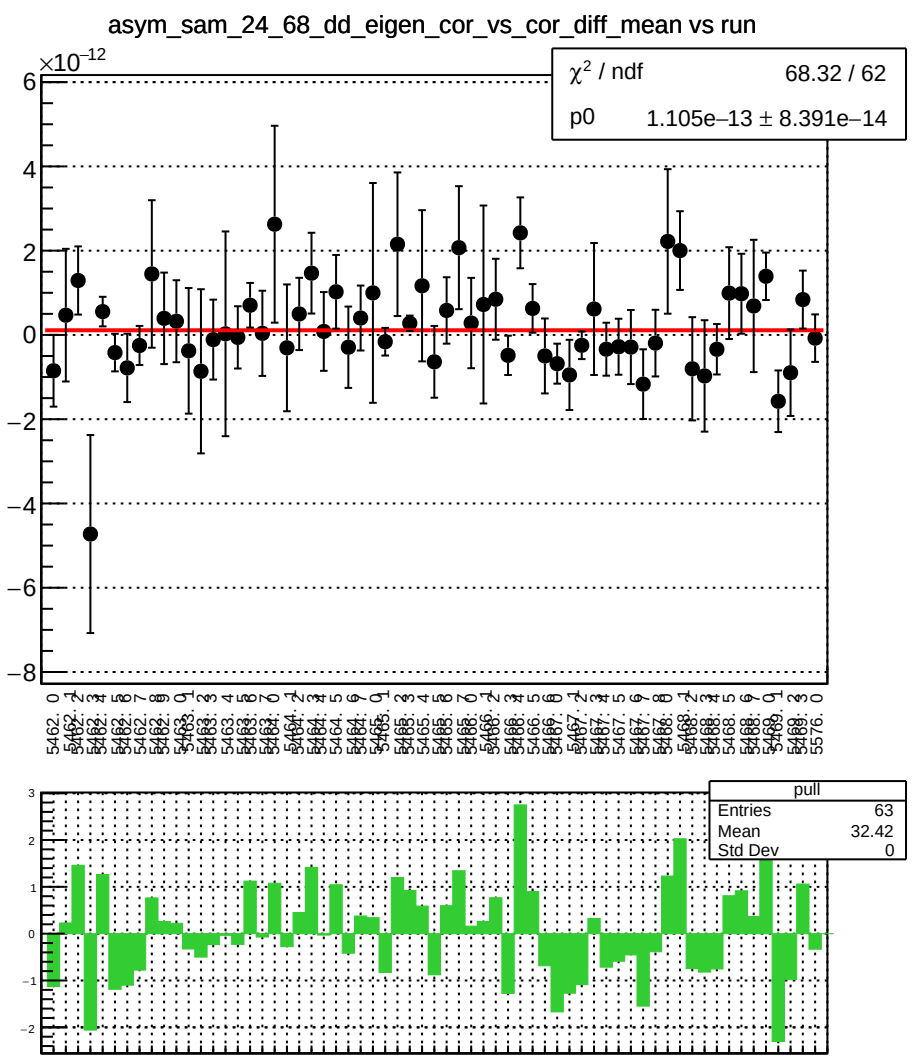
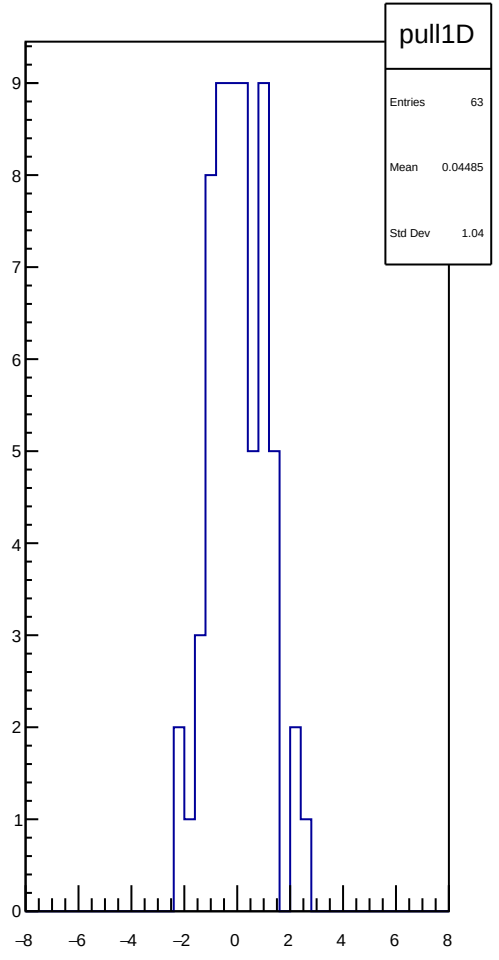
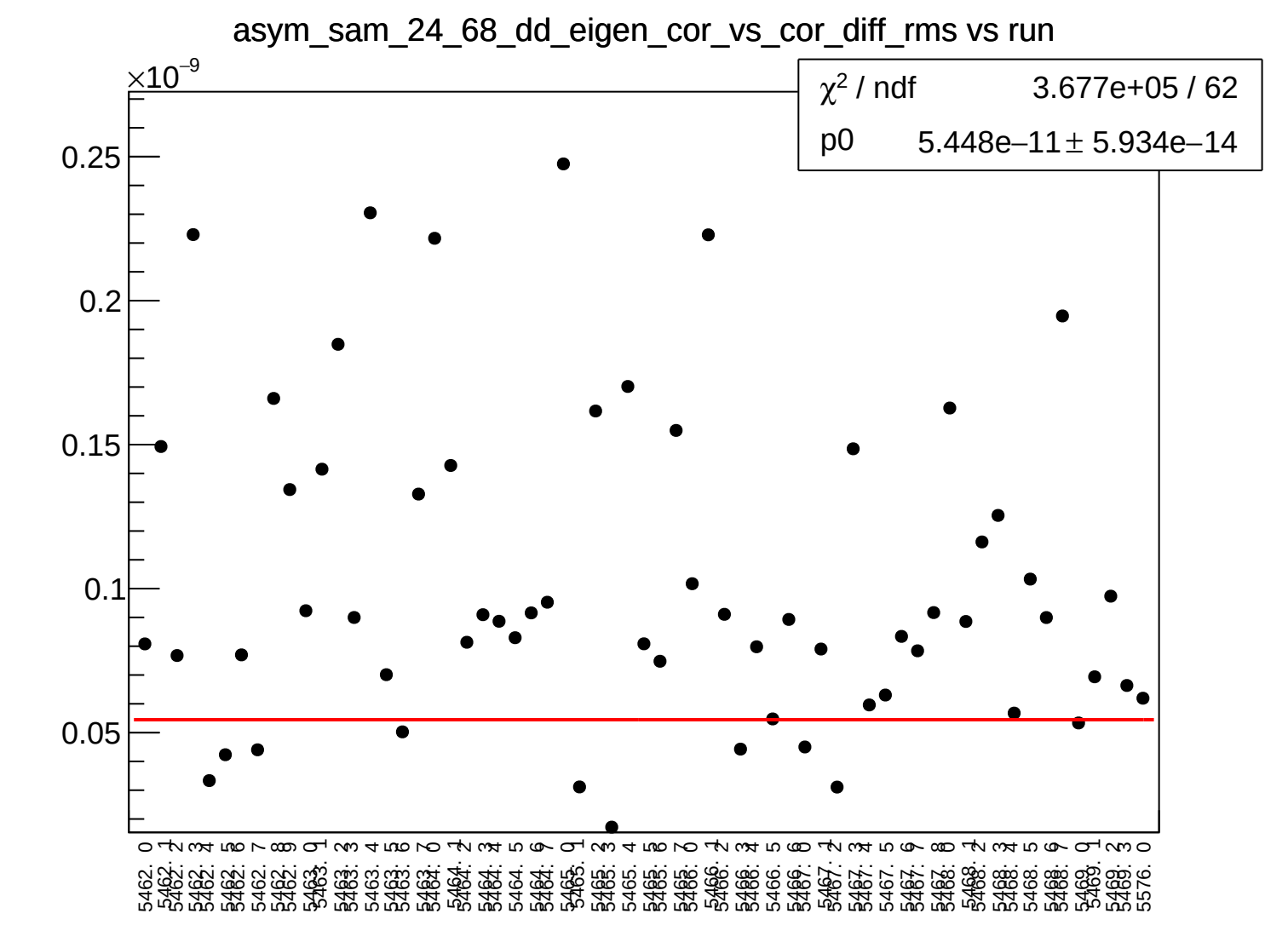
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

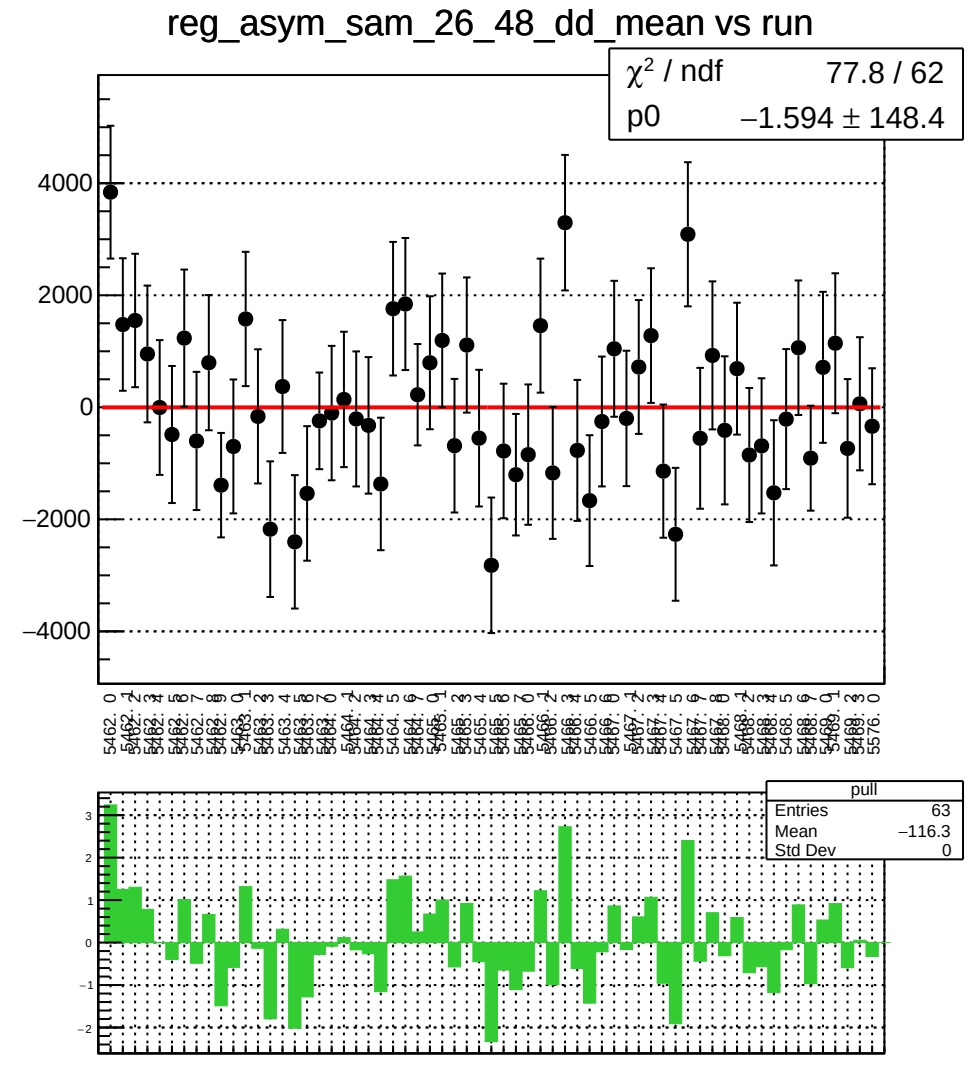

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.28 / 62
p0 −0.1295 ± 0.08973
pull
Entries 63
Mean −41.1
Std Dev 0
pull1D
Entries 63
Mean 0.01484
Std Dev 1.078

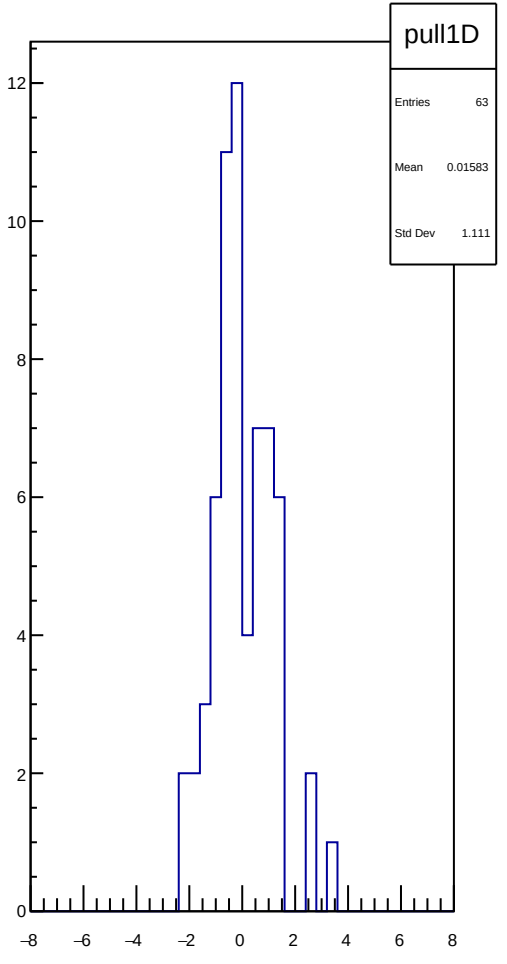

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9423 / 62
p0 69.54 ± 0.06345
80
75
70
65
60
55
50
45

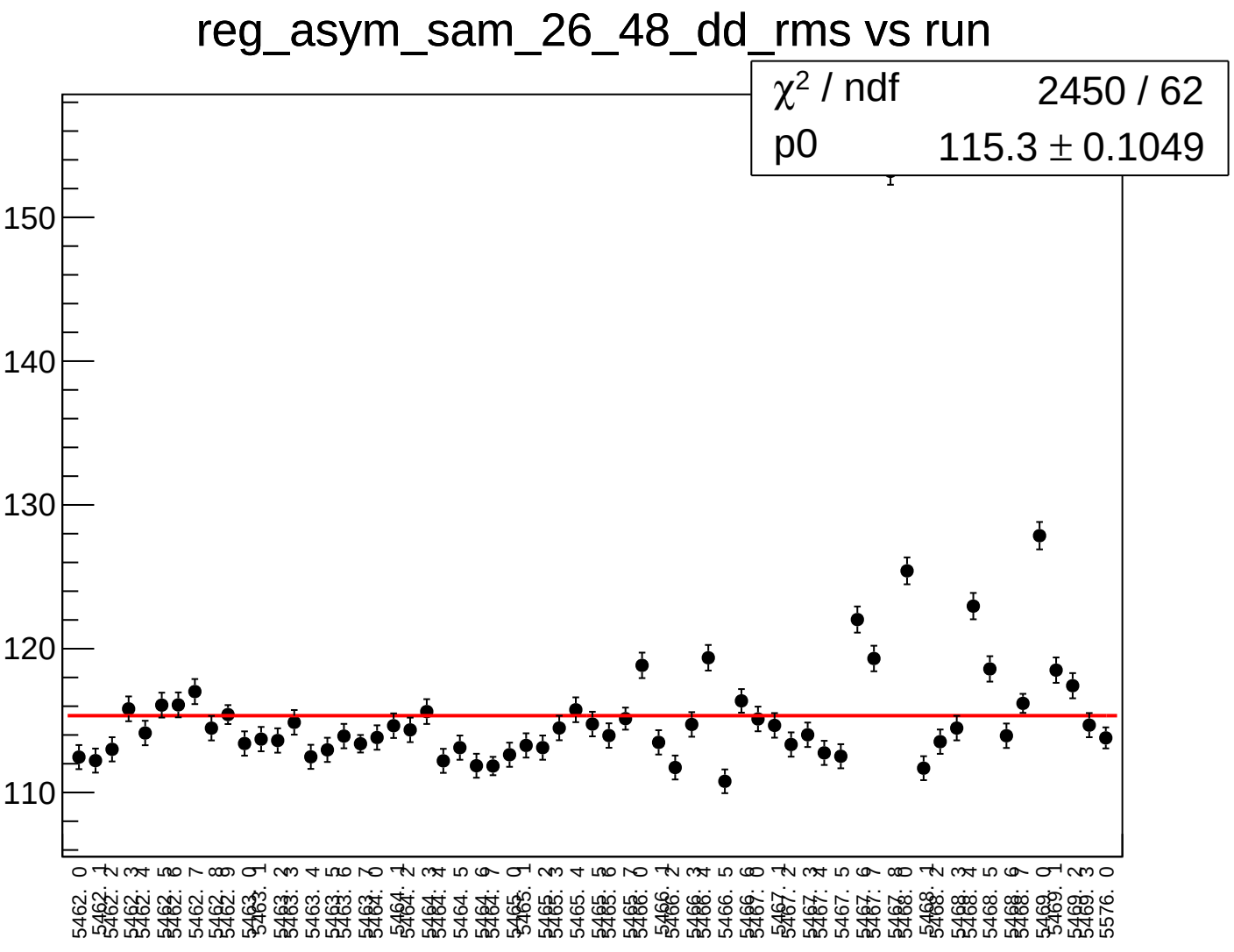

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.32 / 62
p0 1.105e−13 ± 8.391e−14
pull
Entries 63
Mean 32.42
Std Dev 0

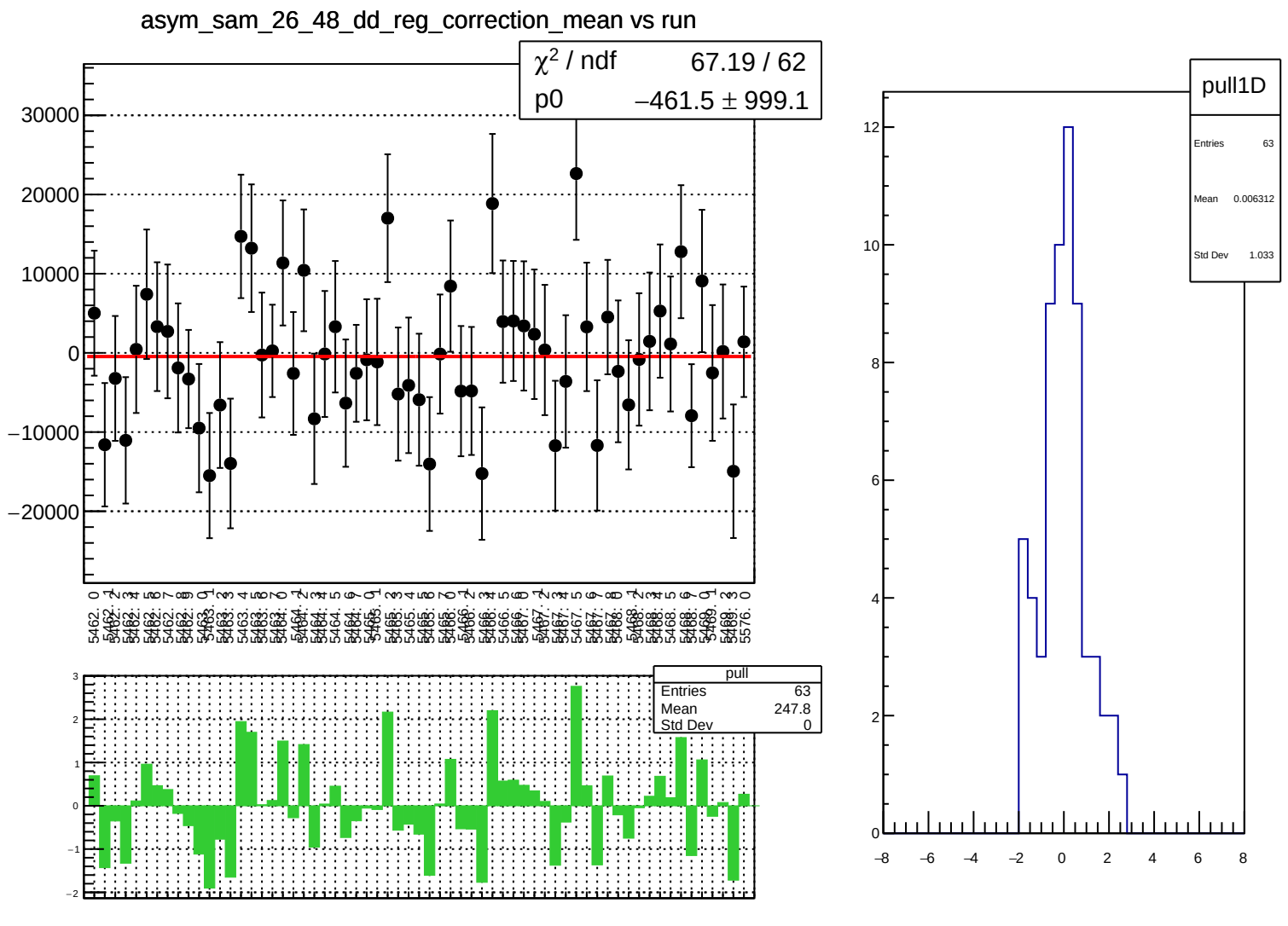

pull1D
Entries 63
Mean 0.04485
Std Dev 1.04

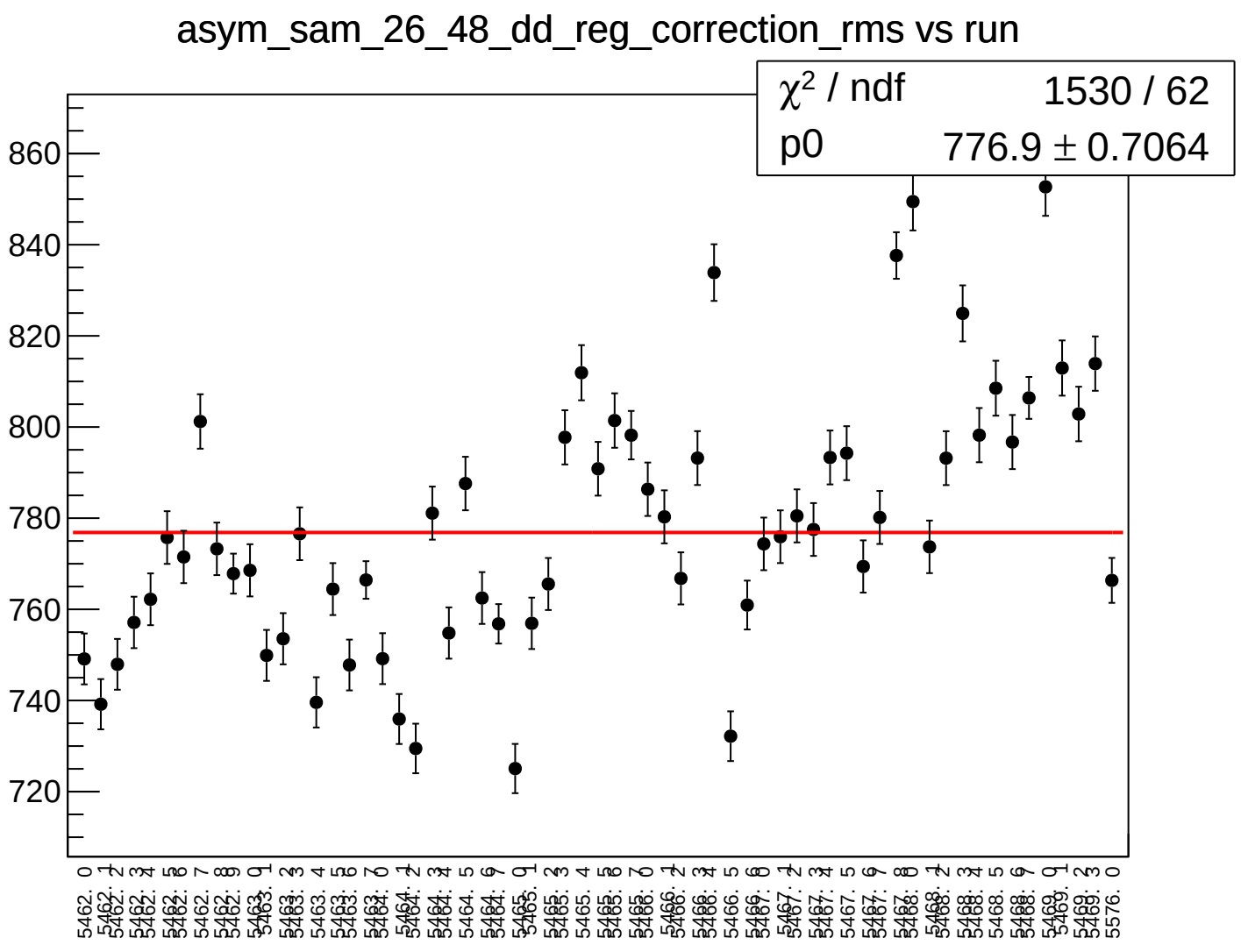

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.677e+05 / 62
p0 5.448e−11 ± 5.934e−14
0.25
0.2
0.15
0.1
0.05

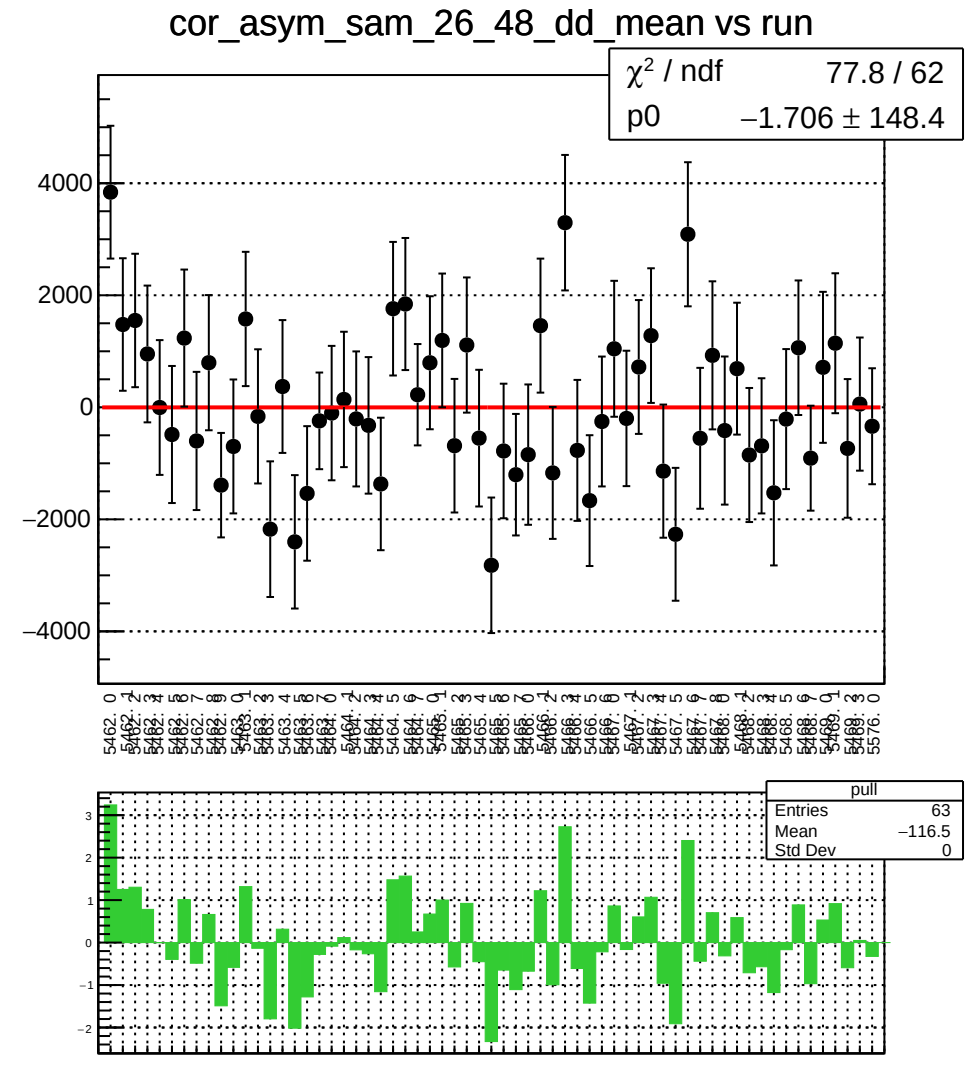

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 77.8 / 62
p0 −1.594 ± 148.4
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −116.3
Std Dev 0
3
2
1
0
−1
−2

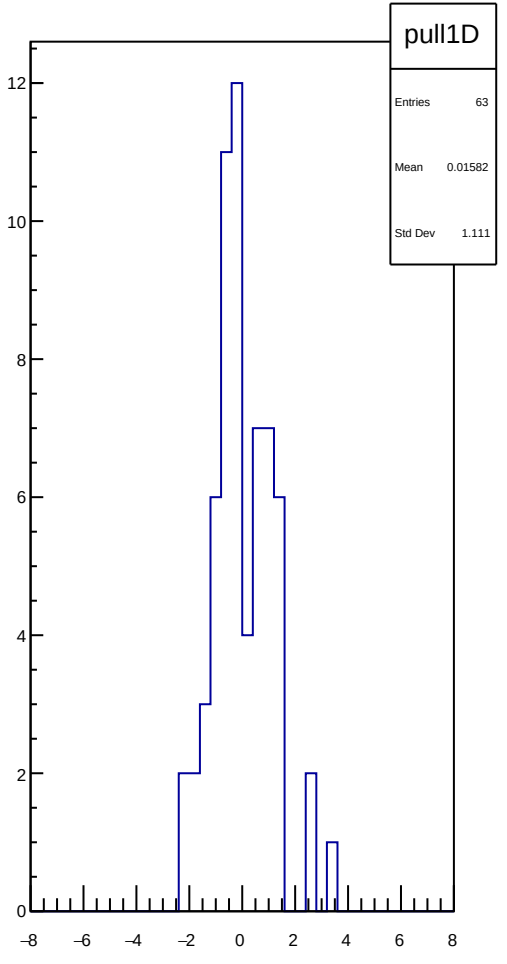

pull1D
Entries 63
Mean 0.01583
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

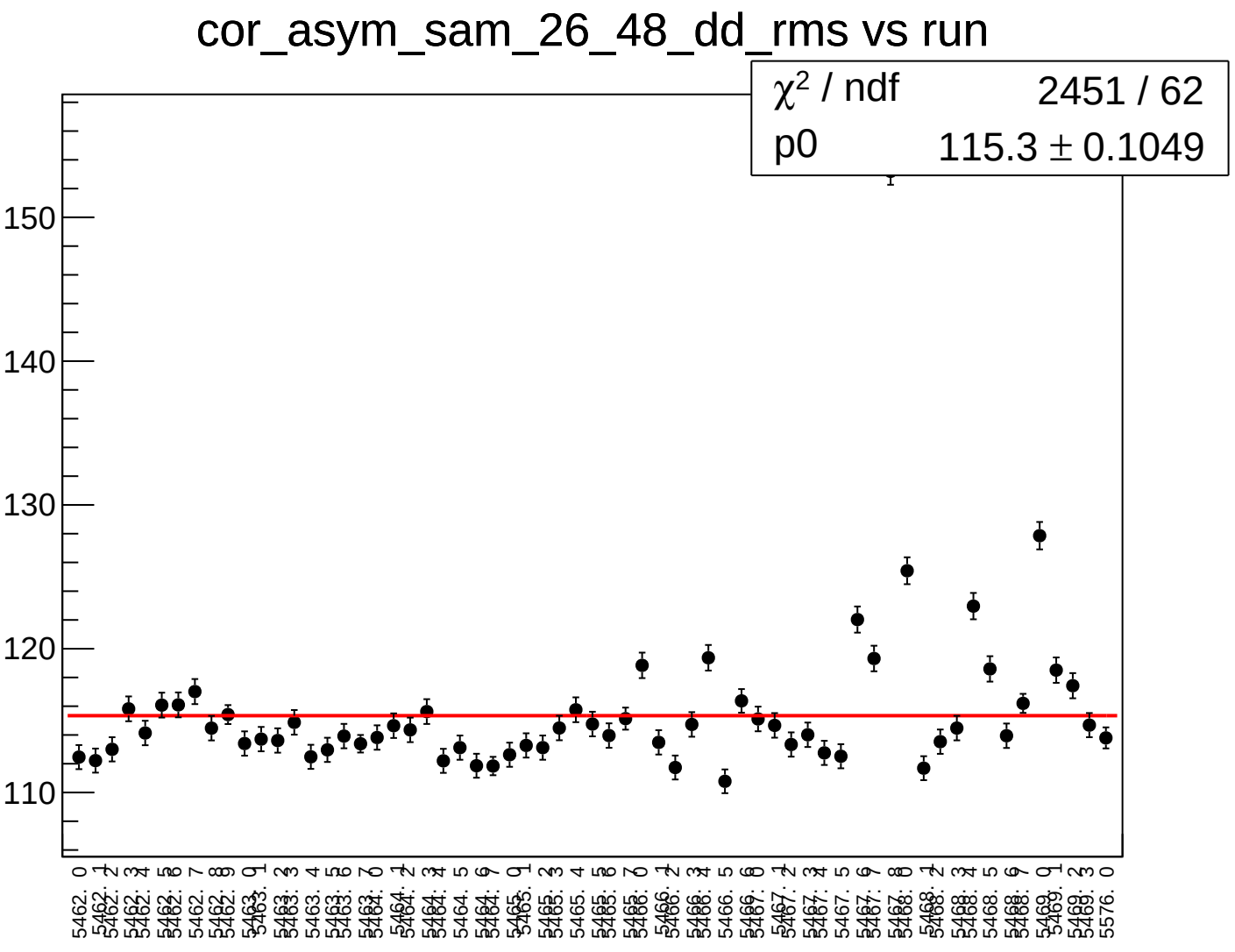

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2450 / 62
p0 115.3 ± 0.1049
150
140
130
120
110


asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 67.19 / 62
p0 −461.5 ± 999.1
30000
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 247.8
Std Dev 0
pull1D
Entries 63
Mean 0.006312
Std Dev 1.033
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 1530 / 62
p0 776.9 ± 0.7064
860
840
820
800
780
760
740
720


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 77.8 / 62
p0 −1.706 ± 148.4
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −116.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01582
Std Dev 1.111
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 2451 / 62
p0 115.3 ± 0.1049
150
140
130
120
110
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
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5466. 5
5466. 6
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5467. 6
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5468. 1
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5469. 1
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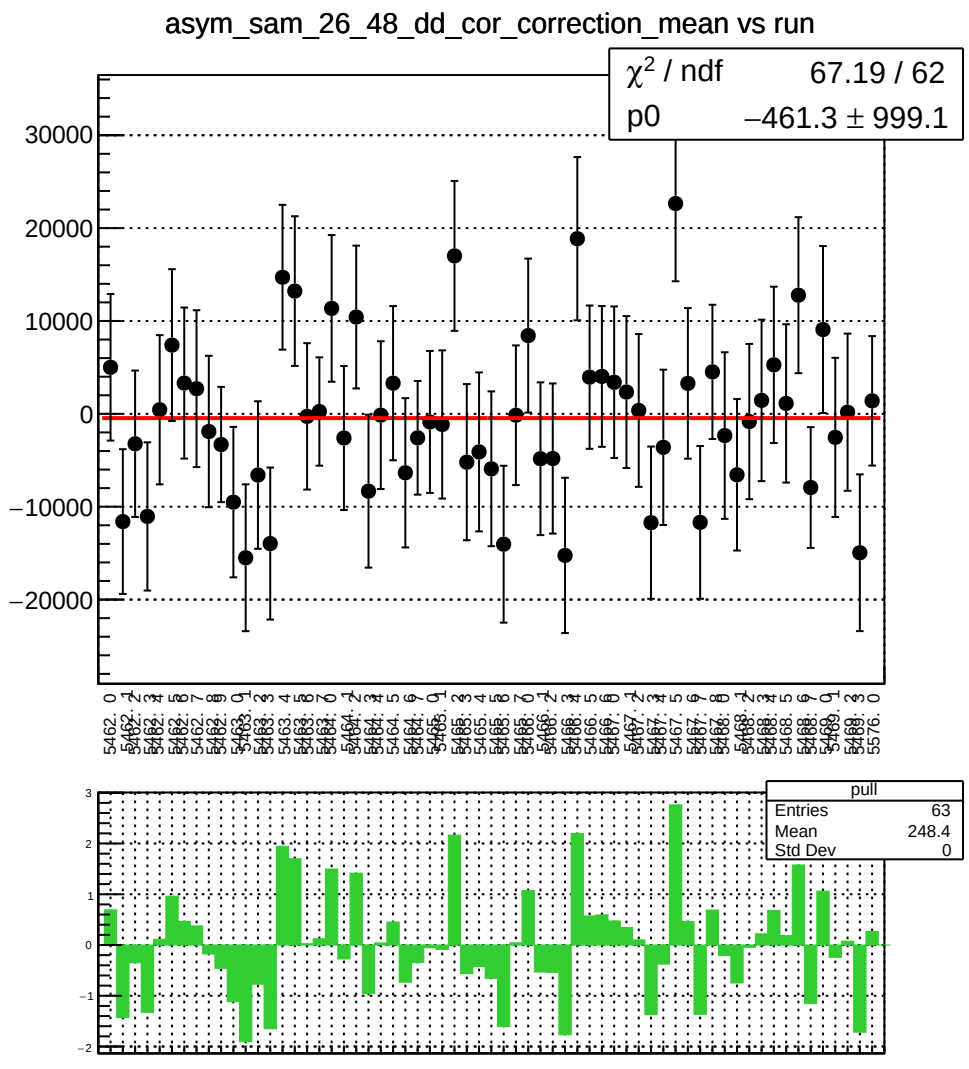
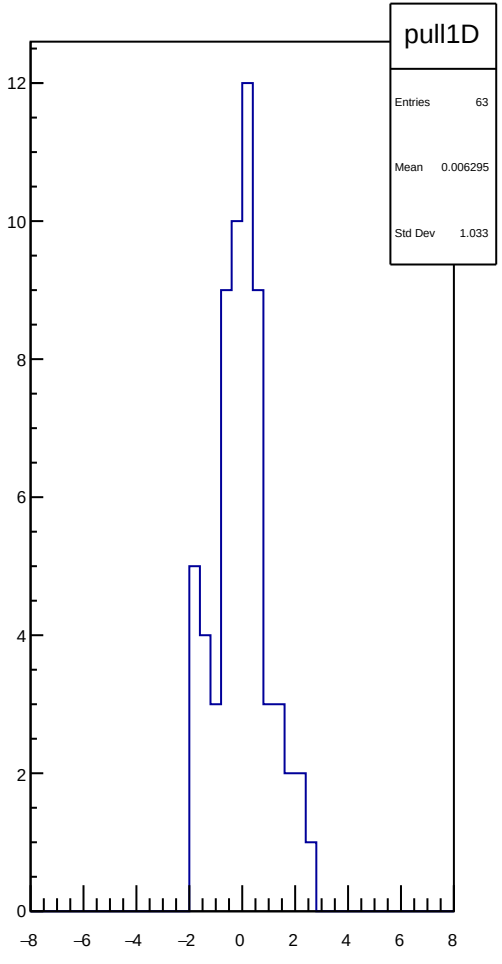
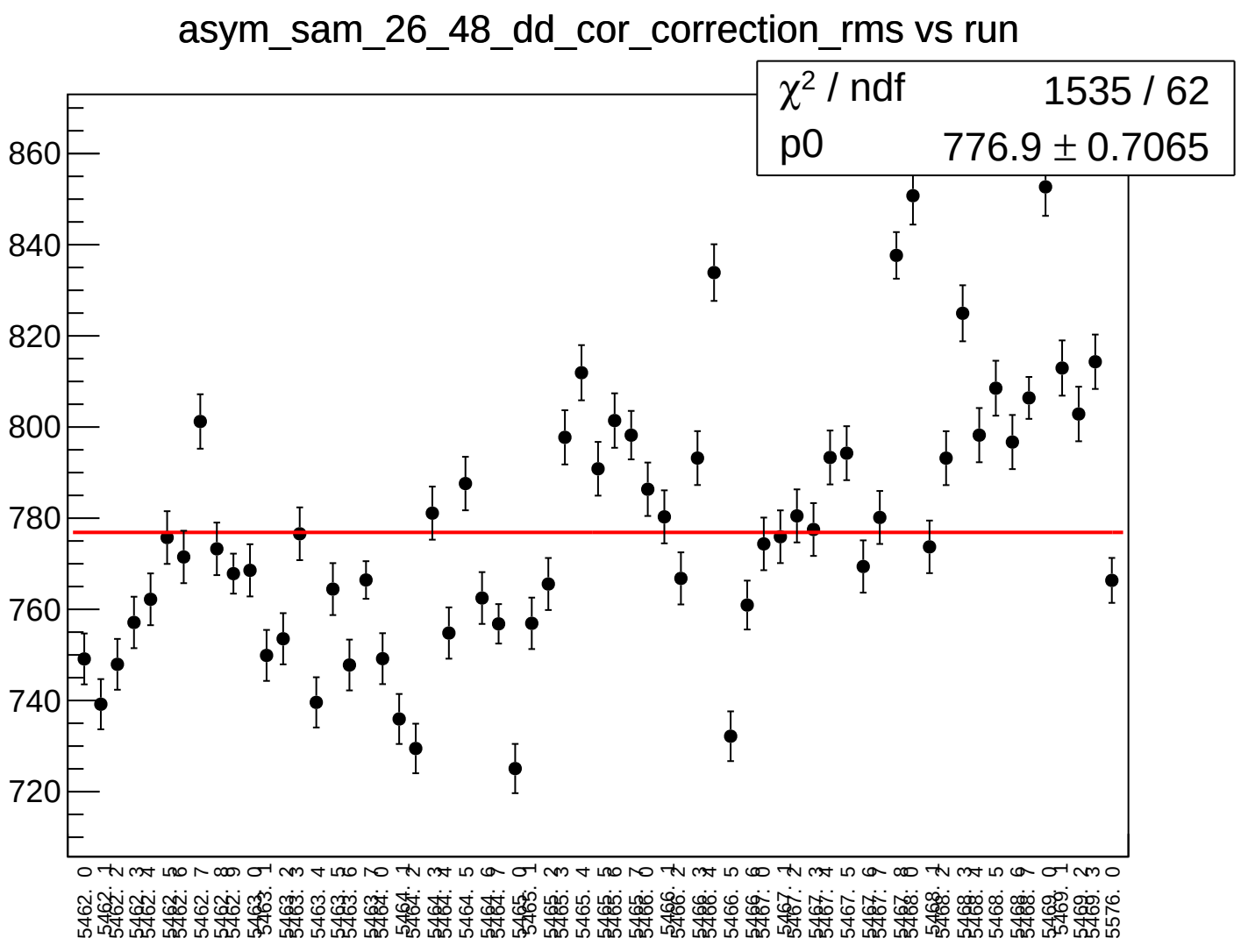
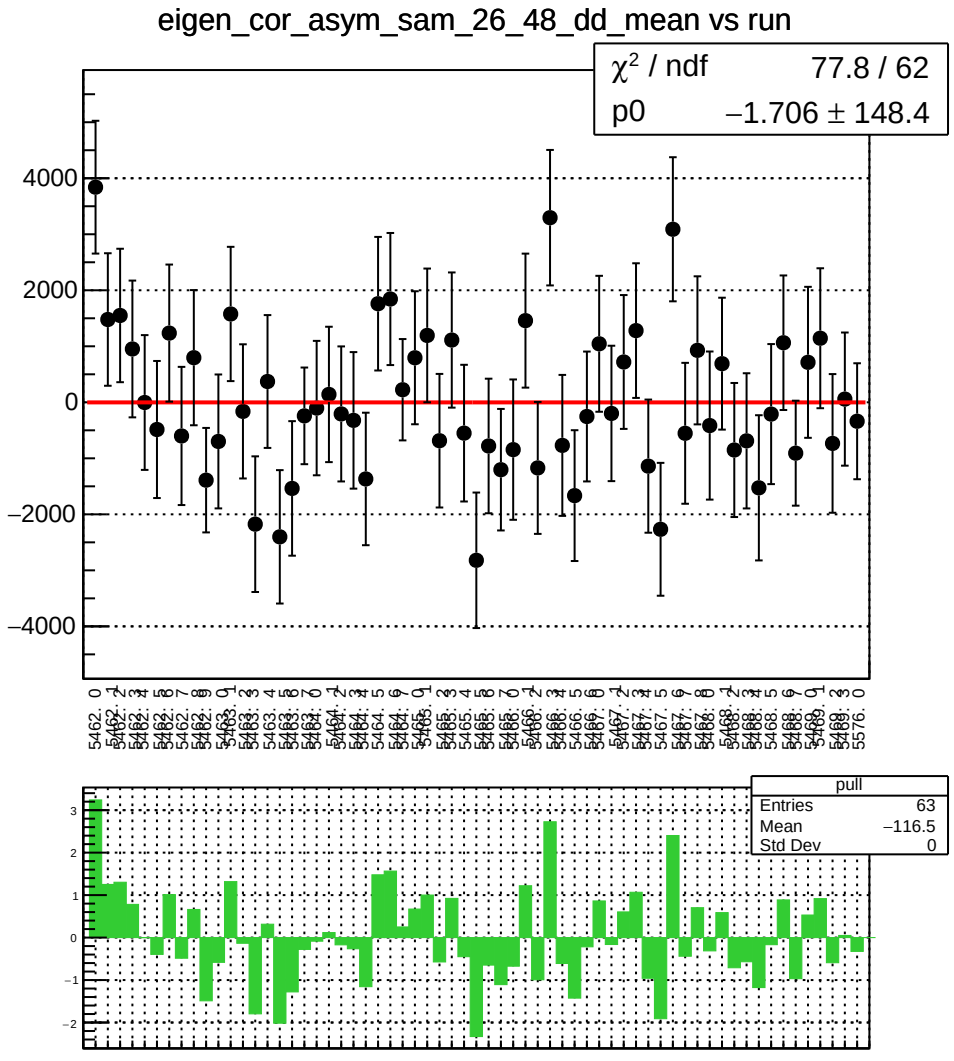
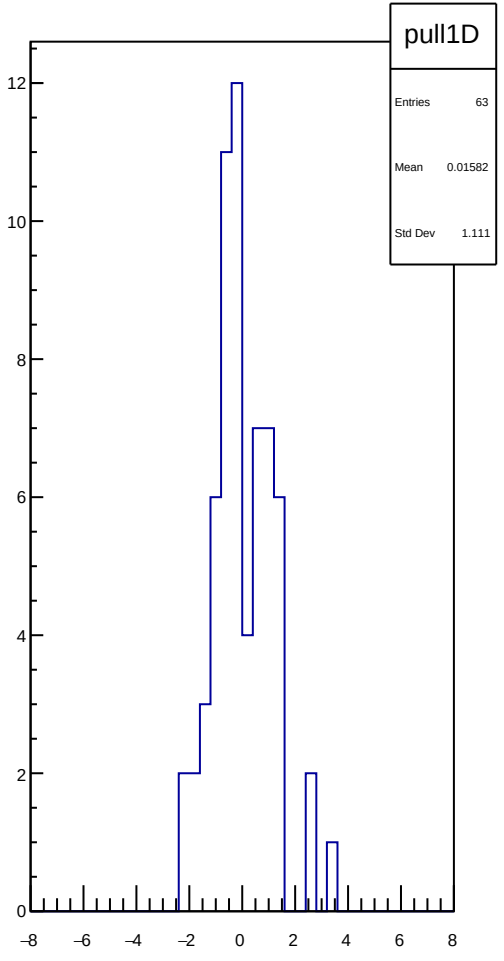
5469. 3
5576. 0

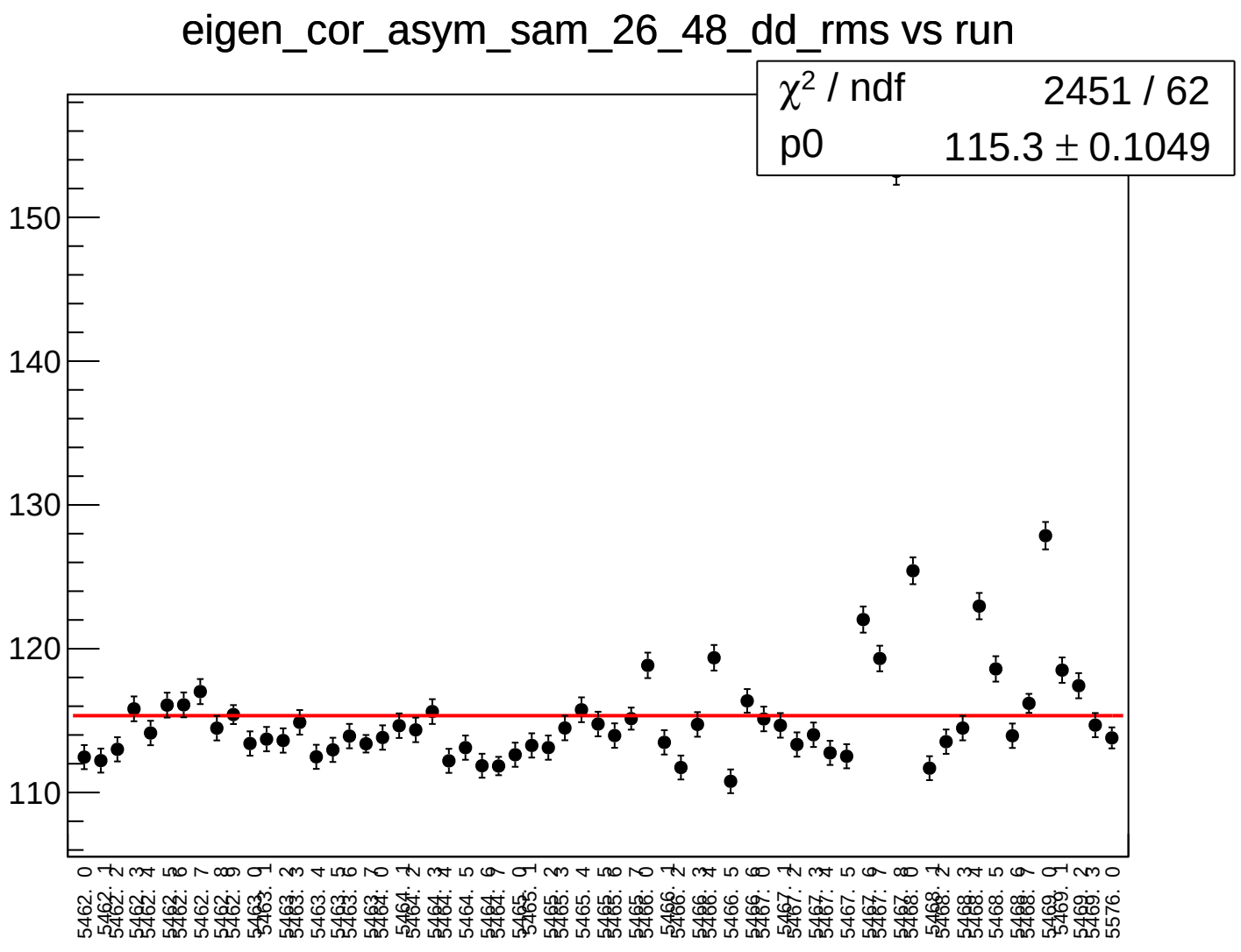

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 67.19 / 62
p0 −461.3 ± 999.1
pull
Entries 63
Mean 248.4
Std Dev 0

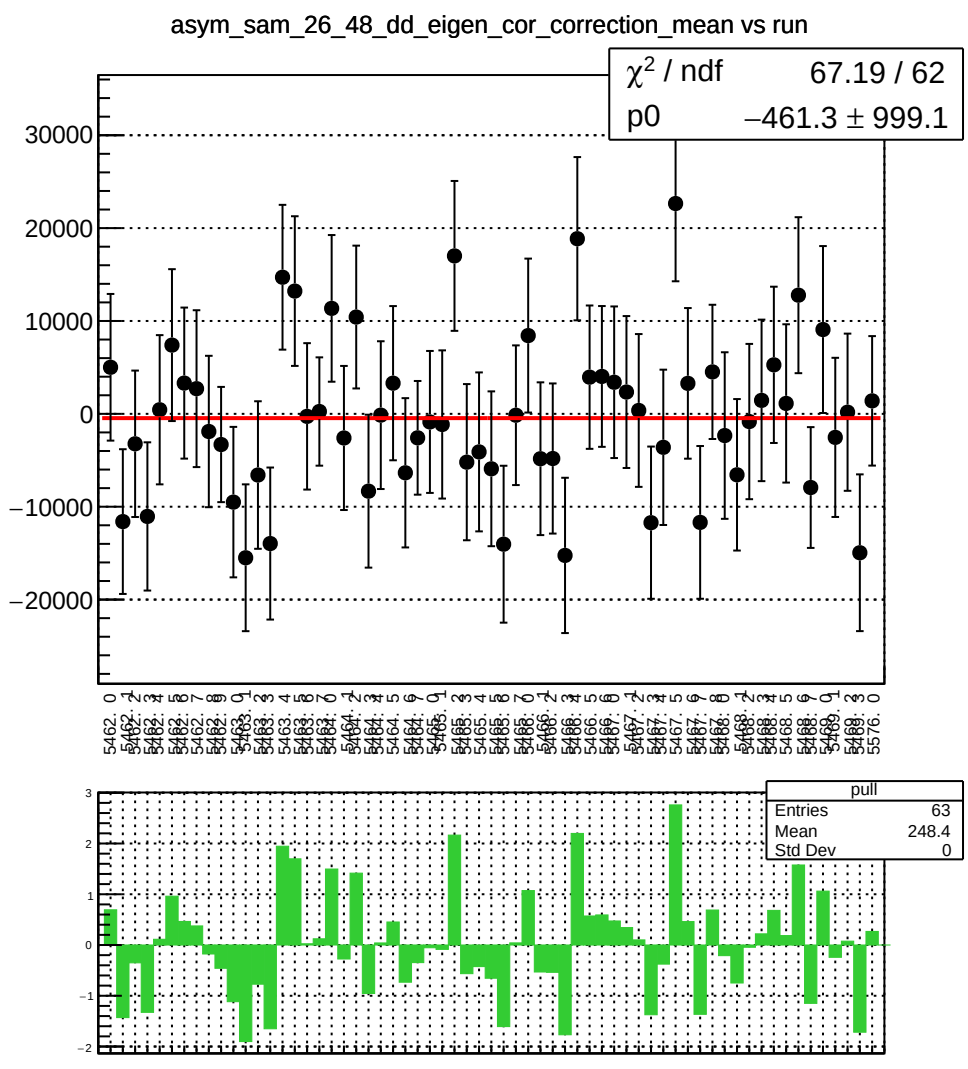

pull1D
Entries 63
Mean 0.006295
Std Dev 1.033

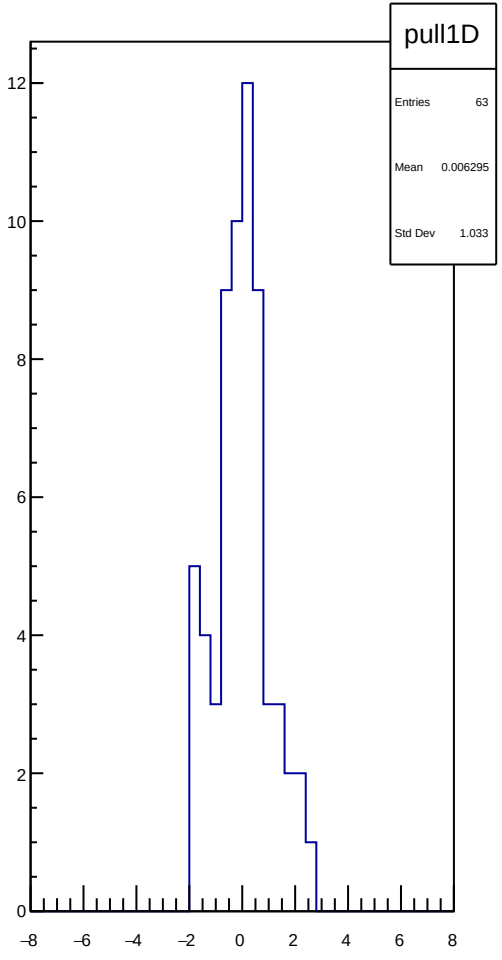

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1535 / 62
p0 776.9 ± 0.7065
860
840
820
800
780
760
740
720

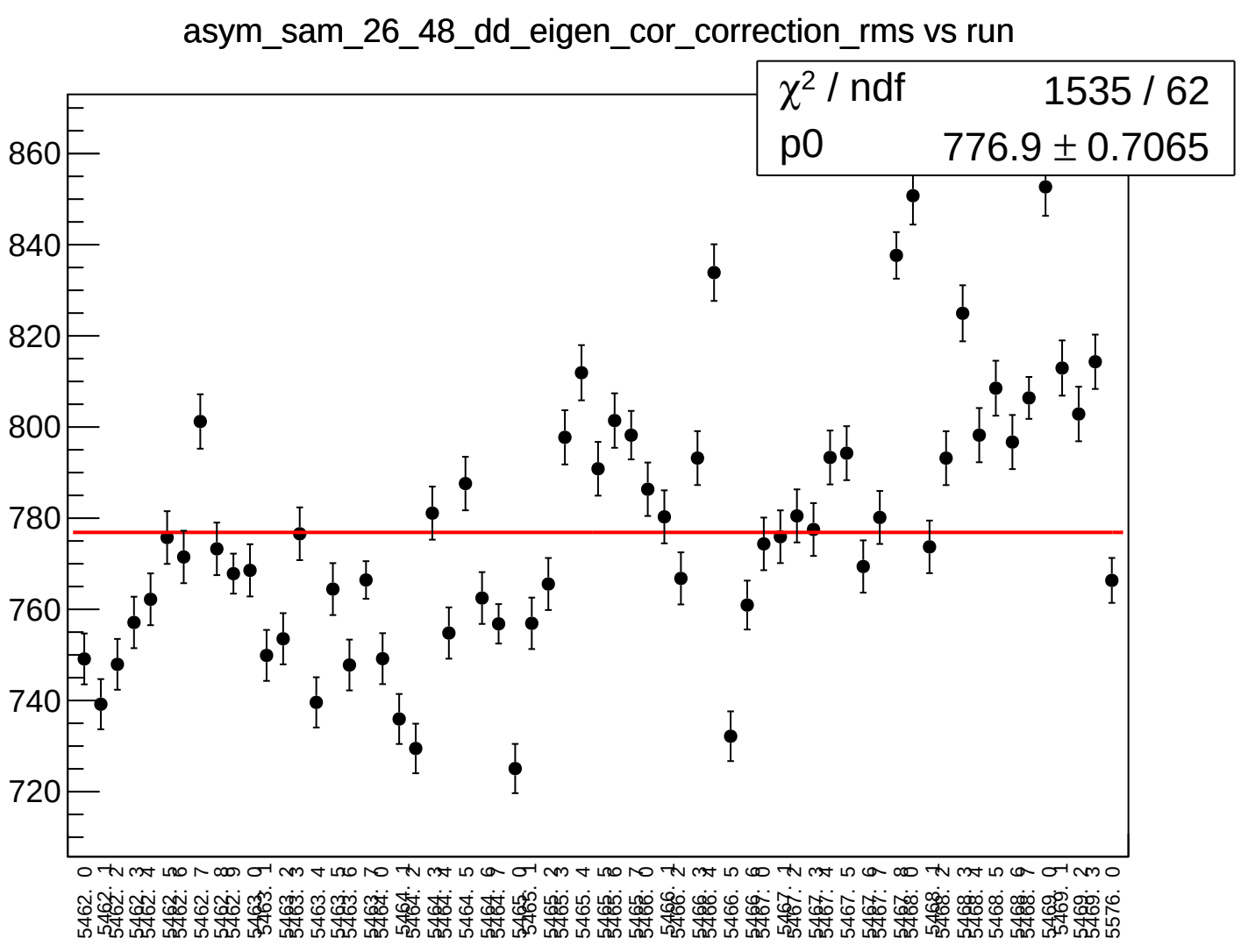

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 77.8 / 62
p0 −1.706 ± 148.4
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −116.5
Std Dev 0
3
2
1
0
−1
−2

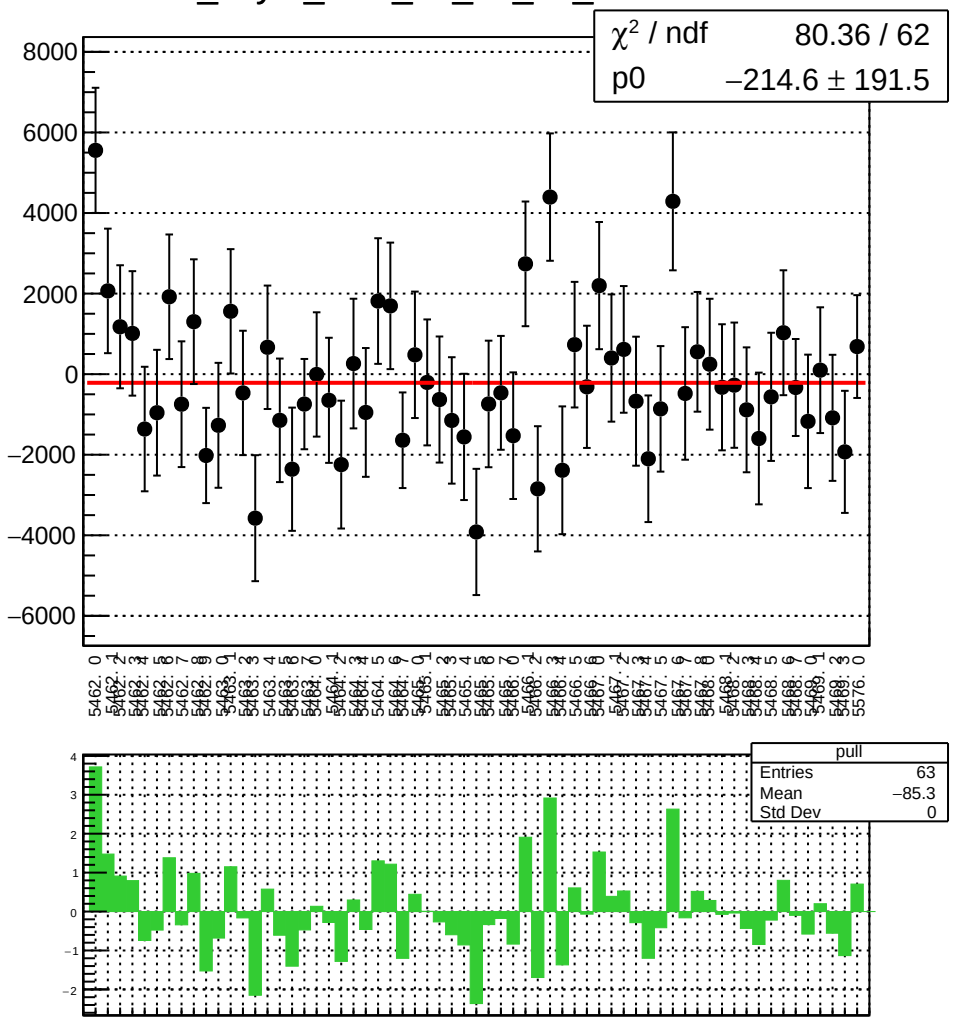

pull1D
Entries 63
Mean 0.01582
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

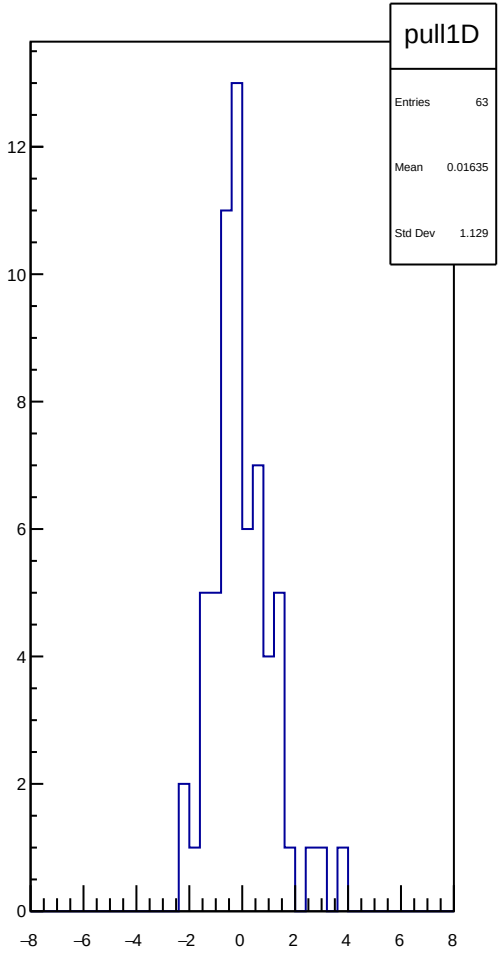

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2451 / 62
p0 115.3 ± 0.1049
150
140
130
120
110

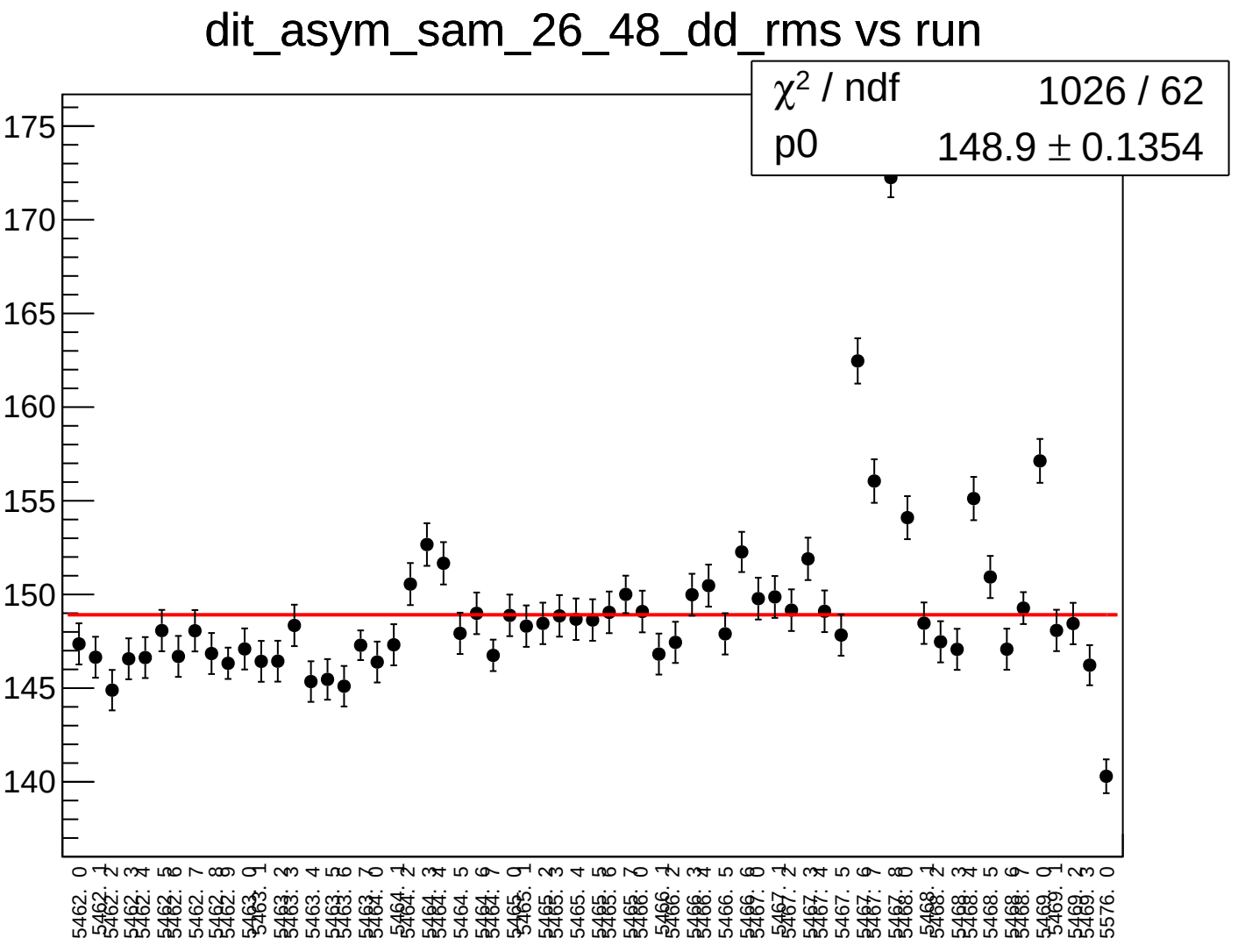

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.19 / 62
p0 −461.3 ± 999.1
pull
Entries 63
Mean 248.4
Std Dev 0

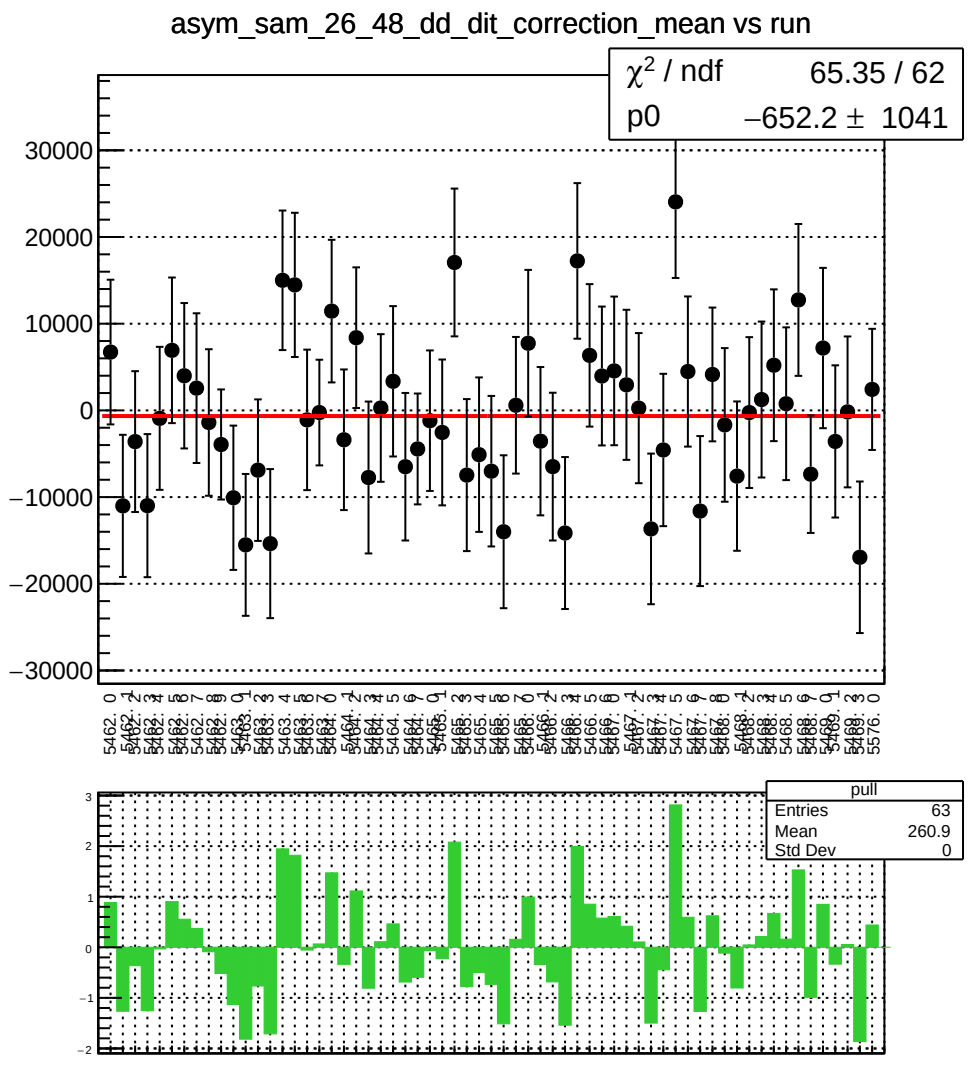

pull1D
Entries 63
Mean 0.006295
Std Dev 1.033

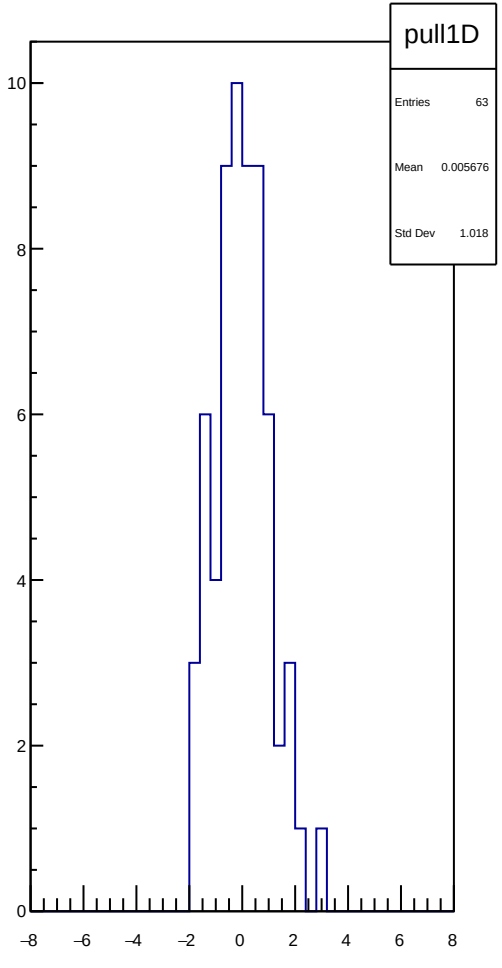

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1535 / 62
p0 776.9 ± 0.7065
860
840
820
800
780
760
740
720

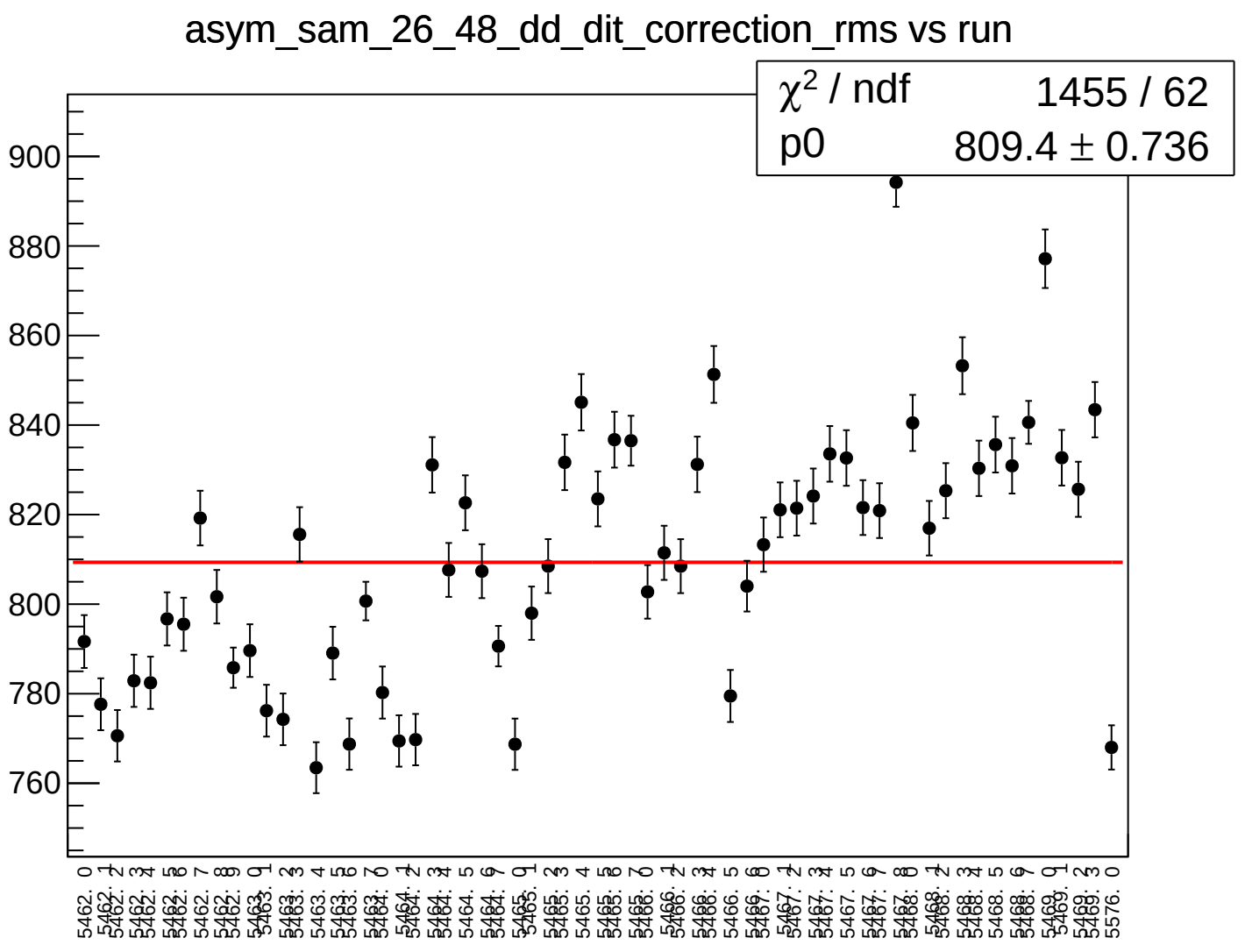

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.36 / 62
p0 −214.6 ± 191.5
pull
Entries 63
Mean −85.3
Std Dev 0

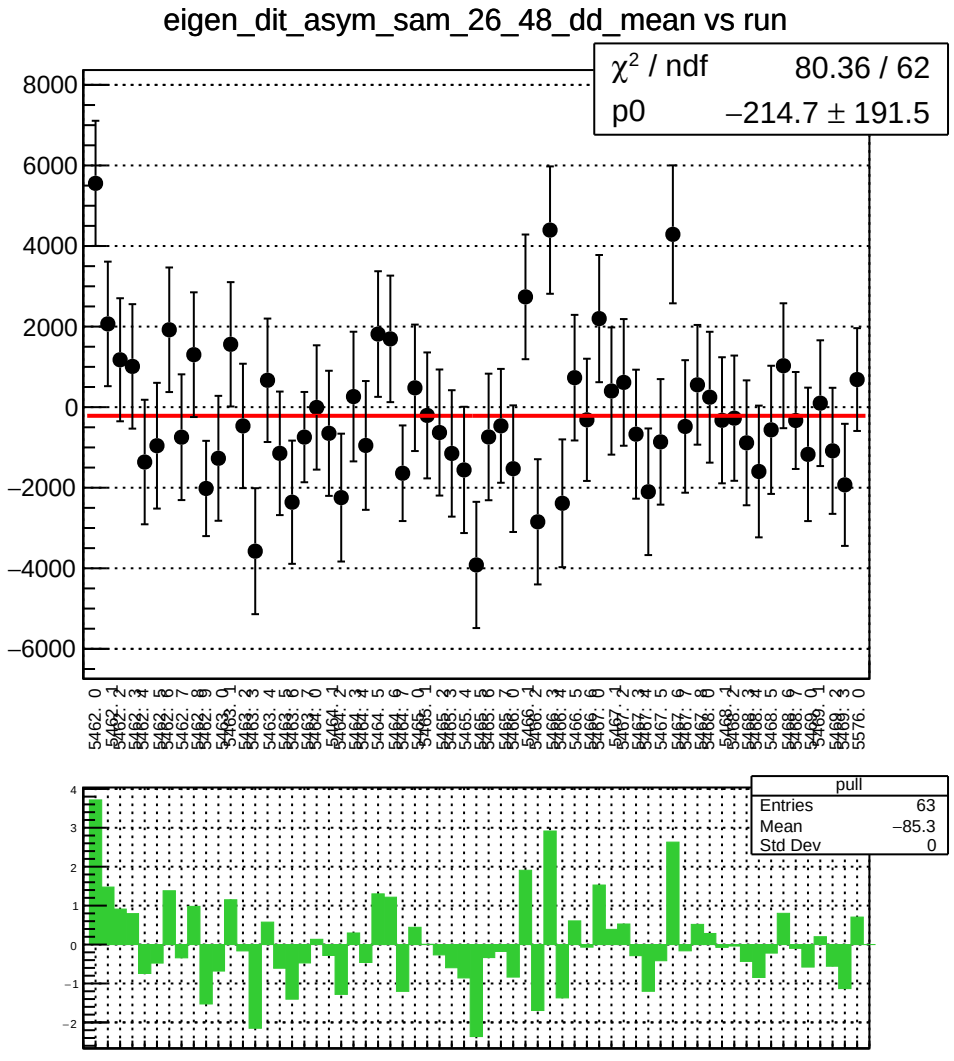

pull1D
Entries 63
Mean 0.01635
Std Dev 1.129

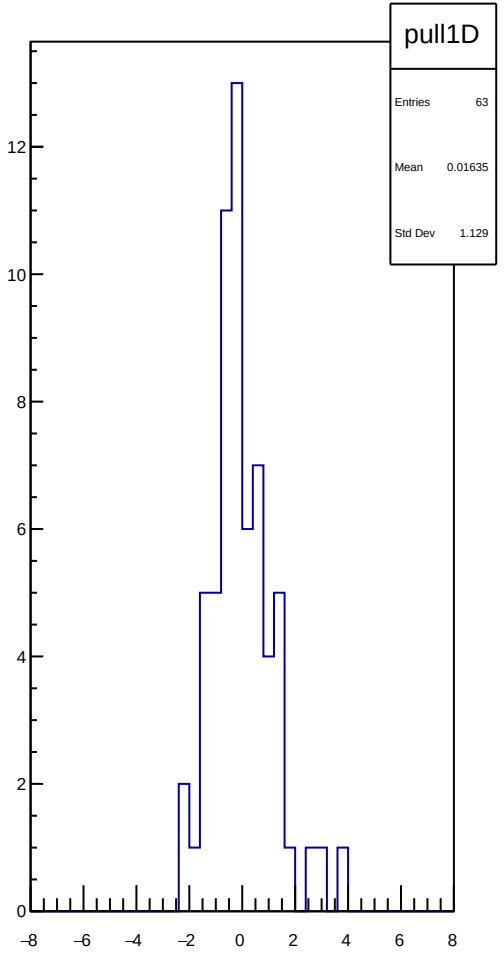

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1026 / 62
p0 148.9 ± 0.1354
175
170
165
160
155
150
145
140

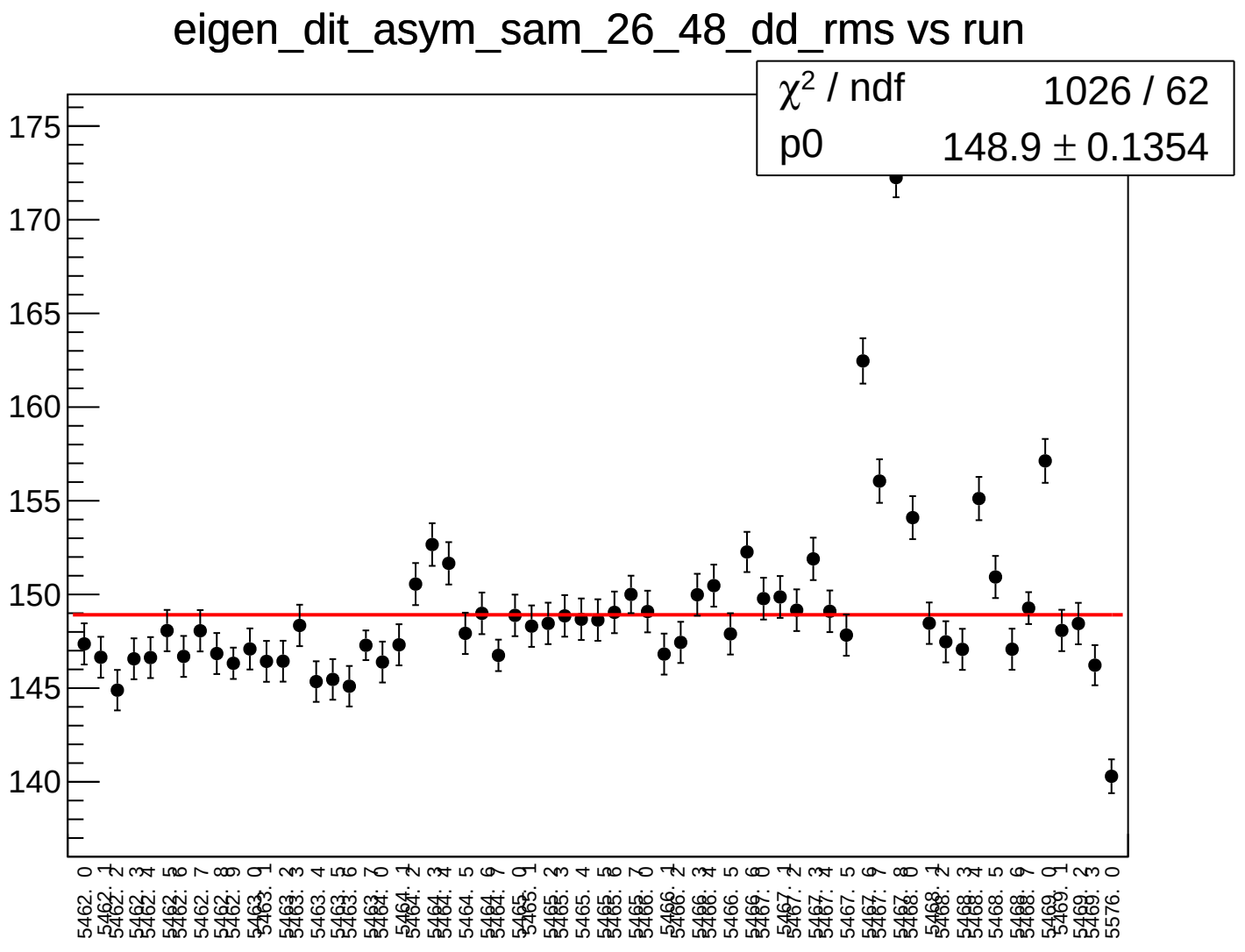

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 65.35 / 62
p0 −652.2 ± 1041
pull
Entries 63
Mean 260.9
Std Dev 0

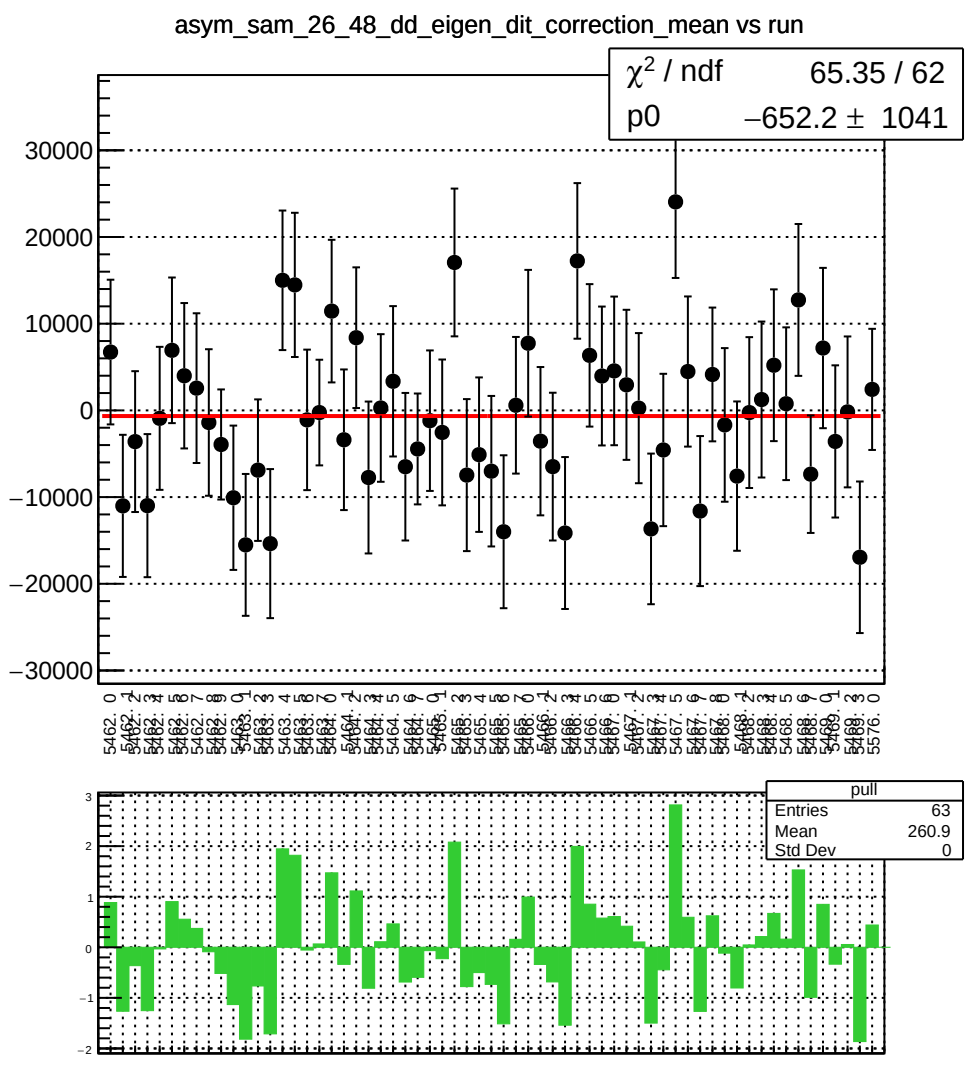

pull1D
Entries 63
Mean 0.005676
Std Dev 1.018

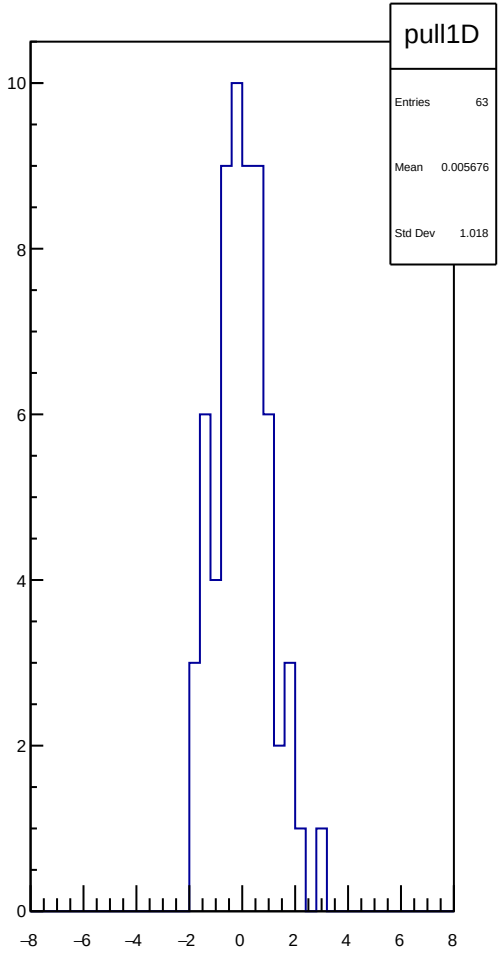

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1455 / 62
p0 809.4 ± 0.736
900
880
860
840
820
800
780
760

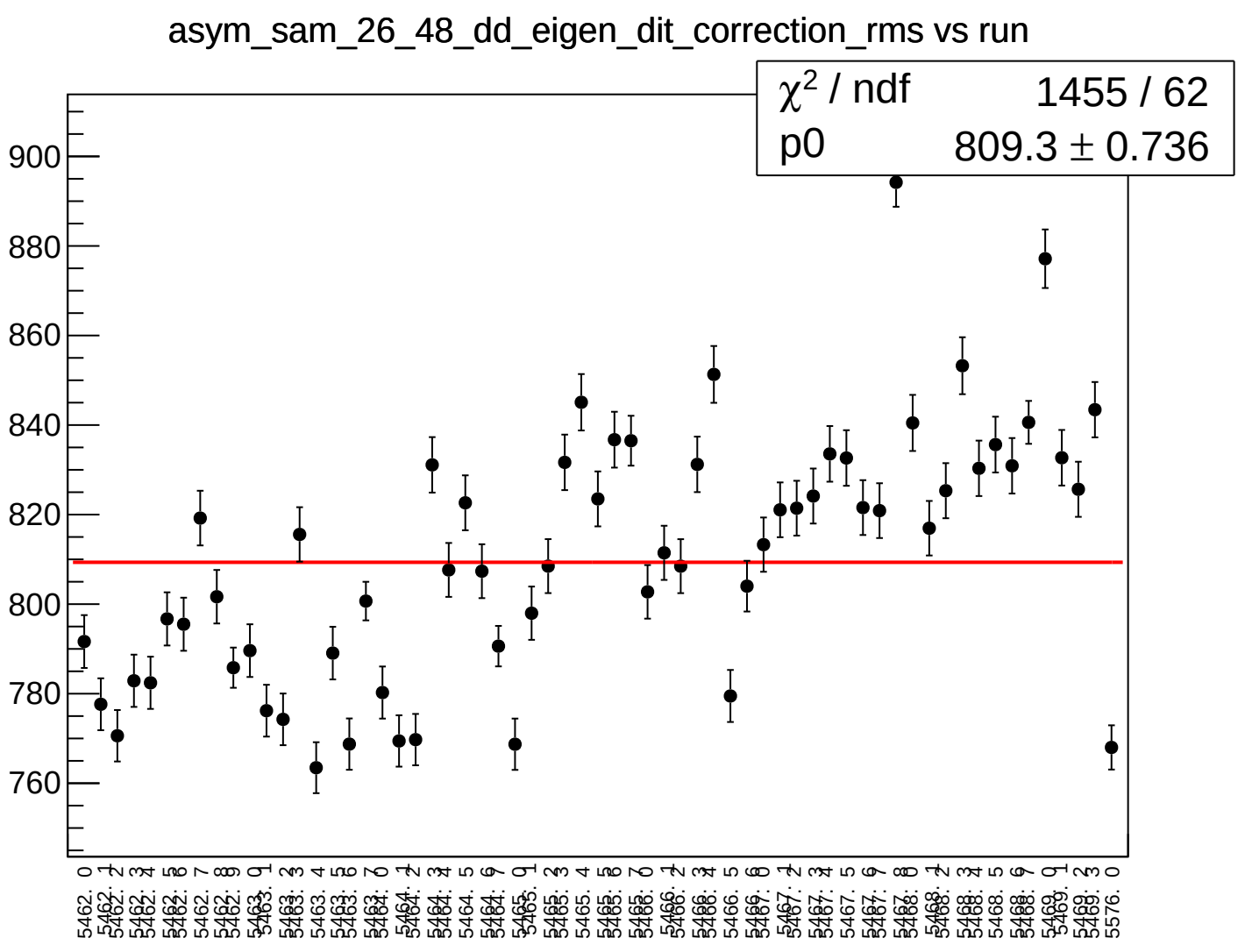

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.36 / 62
p0 −214.7 ± 191.5
pull
Entries 63
Mean −85.3
Std Dev 0

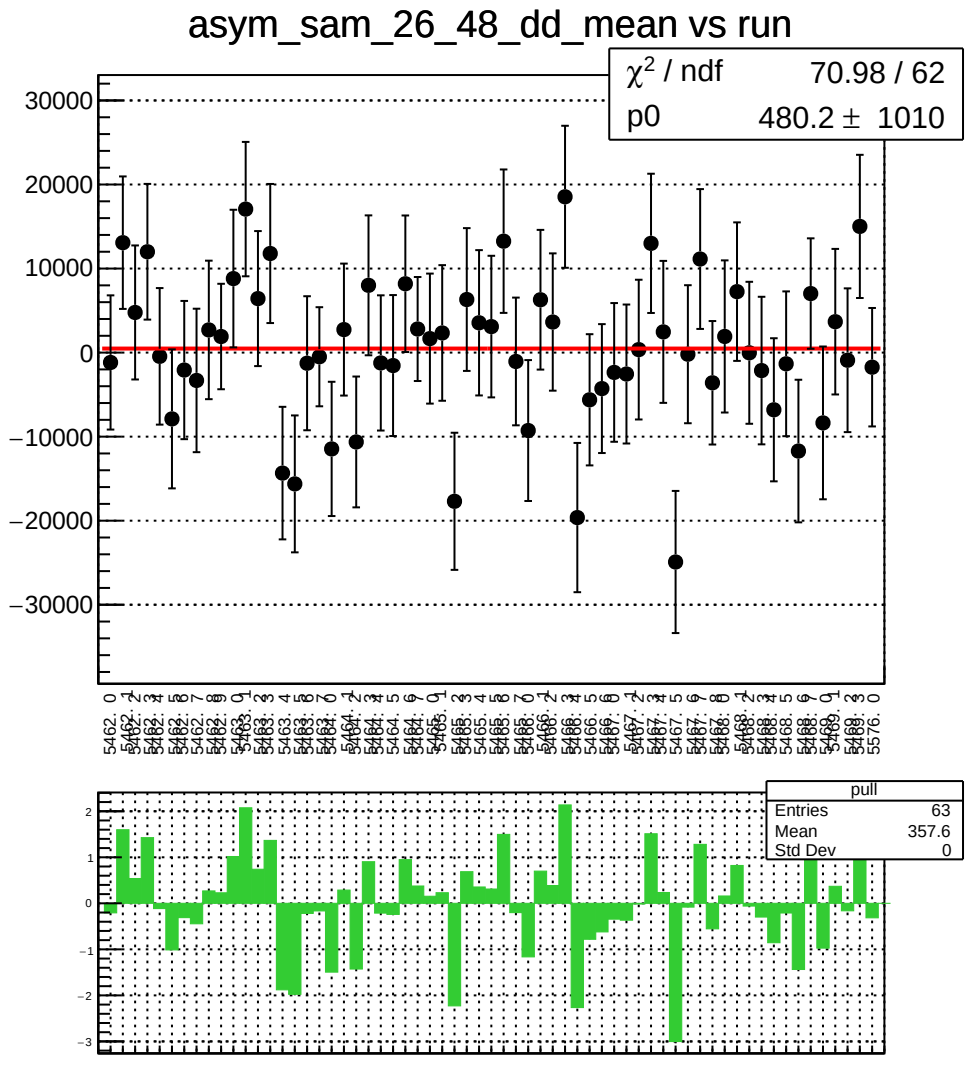

pull1D
Entries 63
Mean 0.01635
Std Dev 1.129

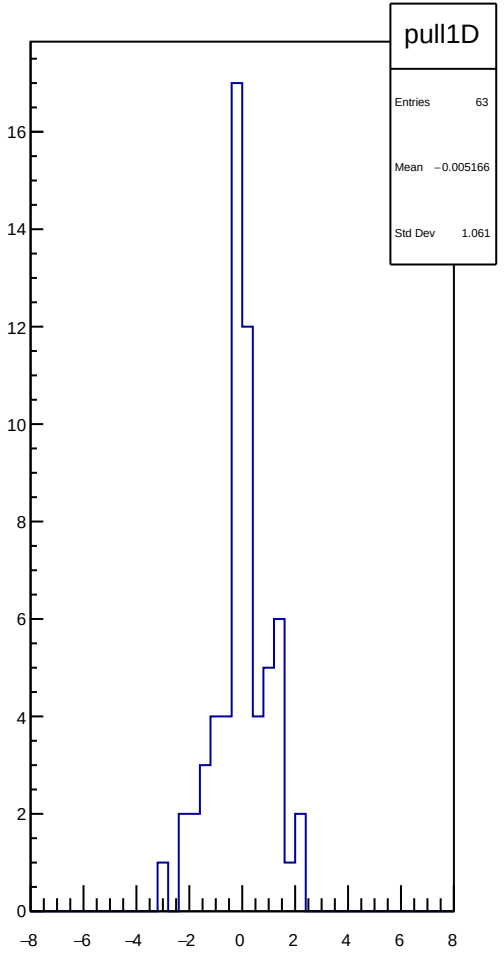

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1026 / 62
p0 148.9 ± 0.1354
175
170
165
160
155
150
145
140

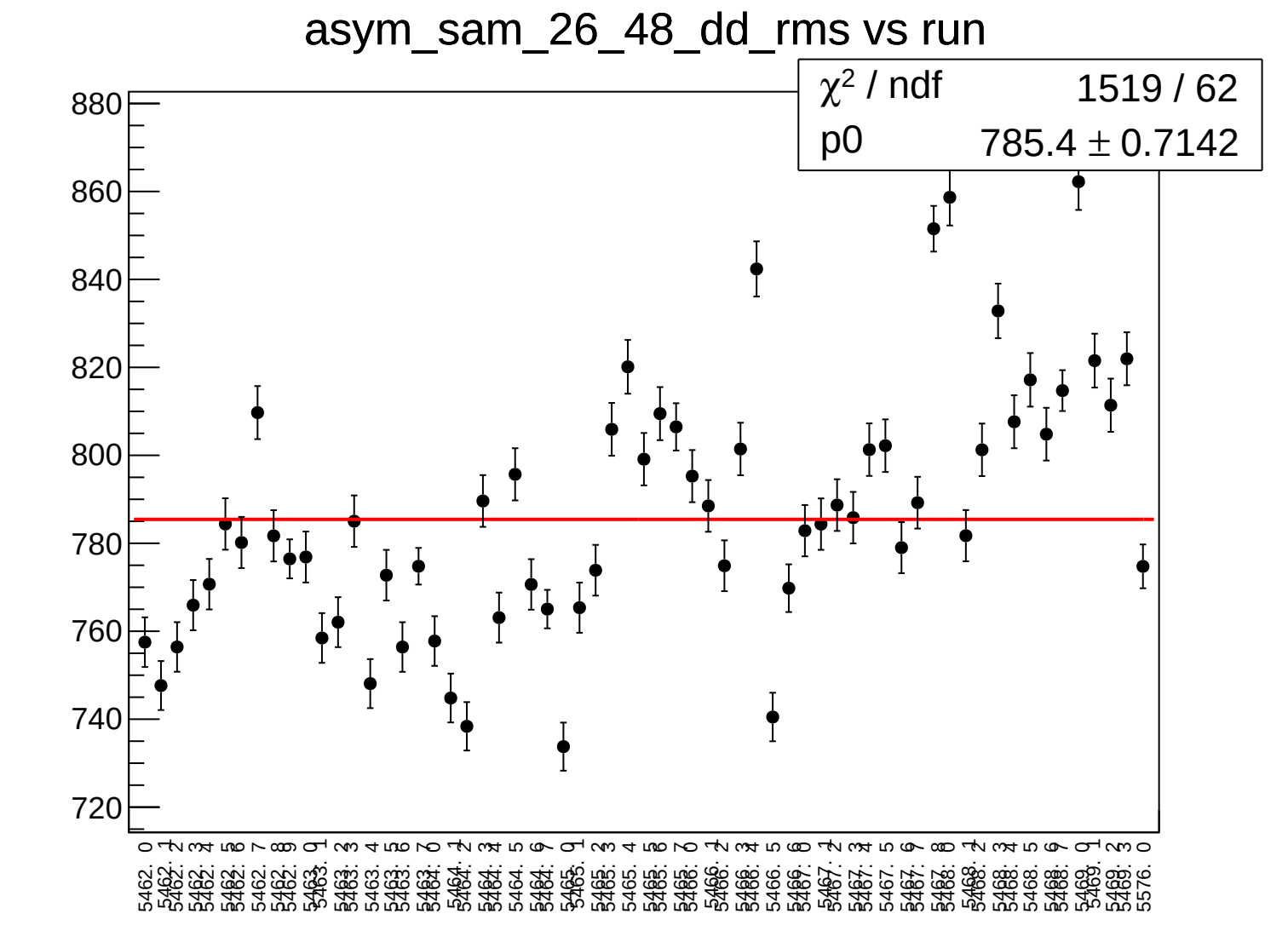

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.35 / 62
p0 −652.2 ± 1041
pull
Entries 63
Mean 260.9
Std Dev 0

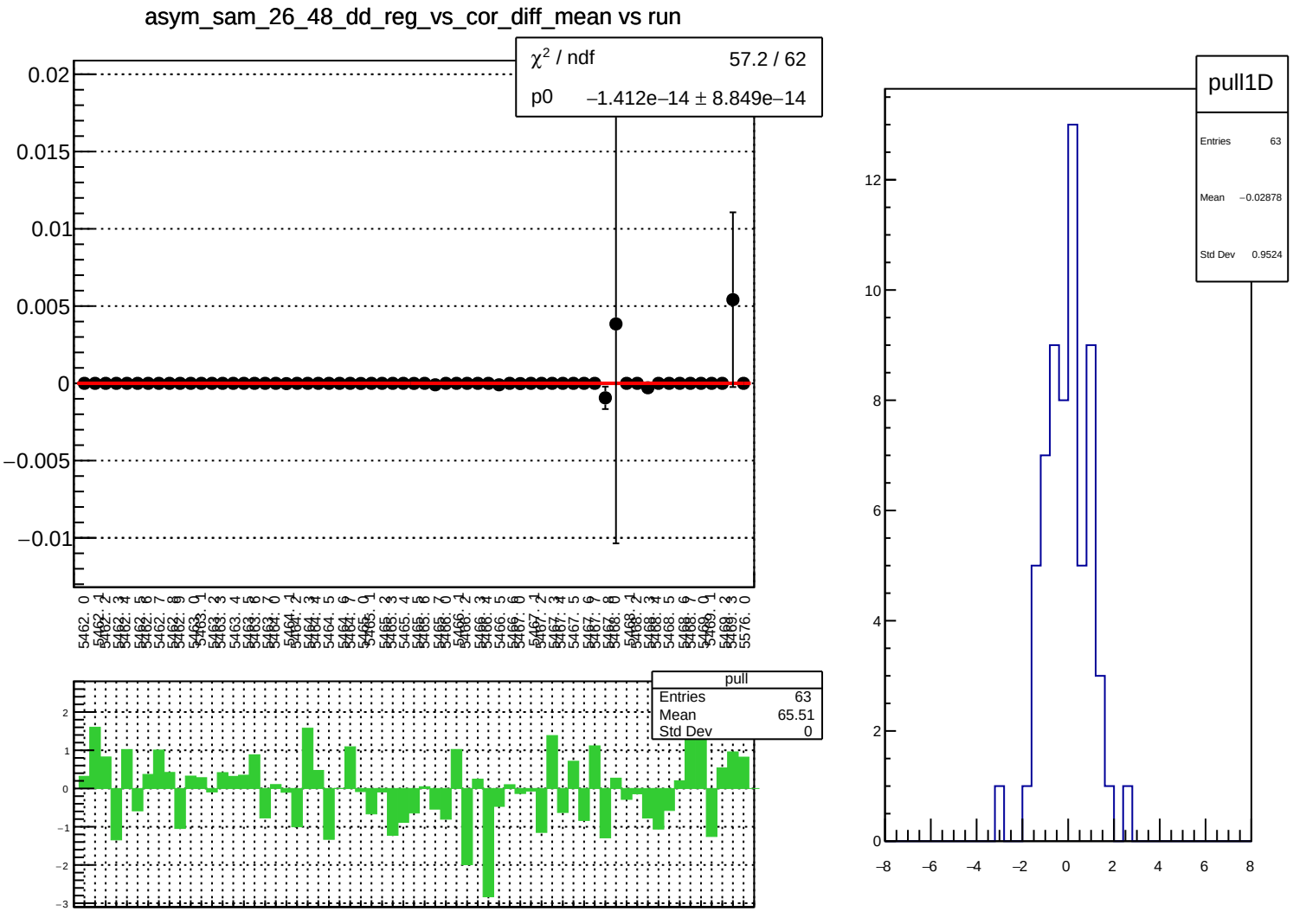

pull1D
Entries 63
Mean 0.005676
Std Dev 1.018

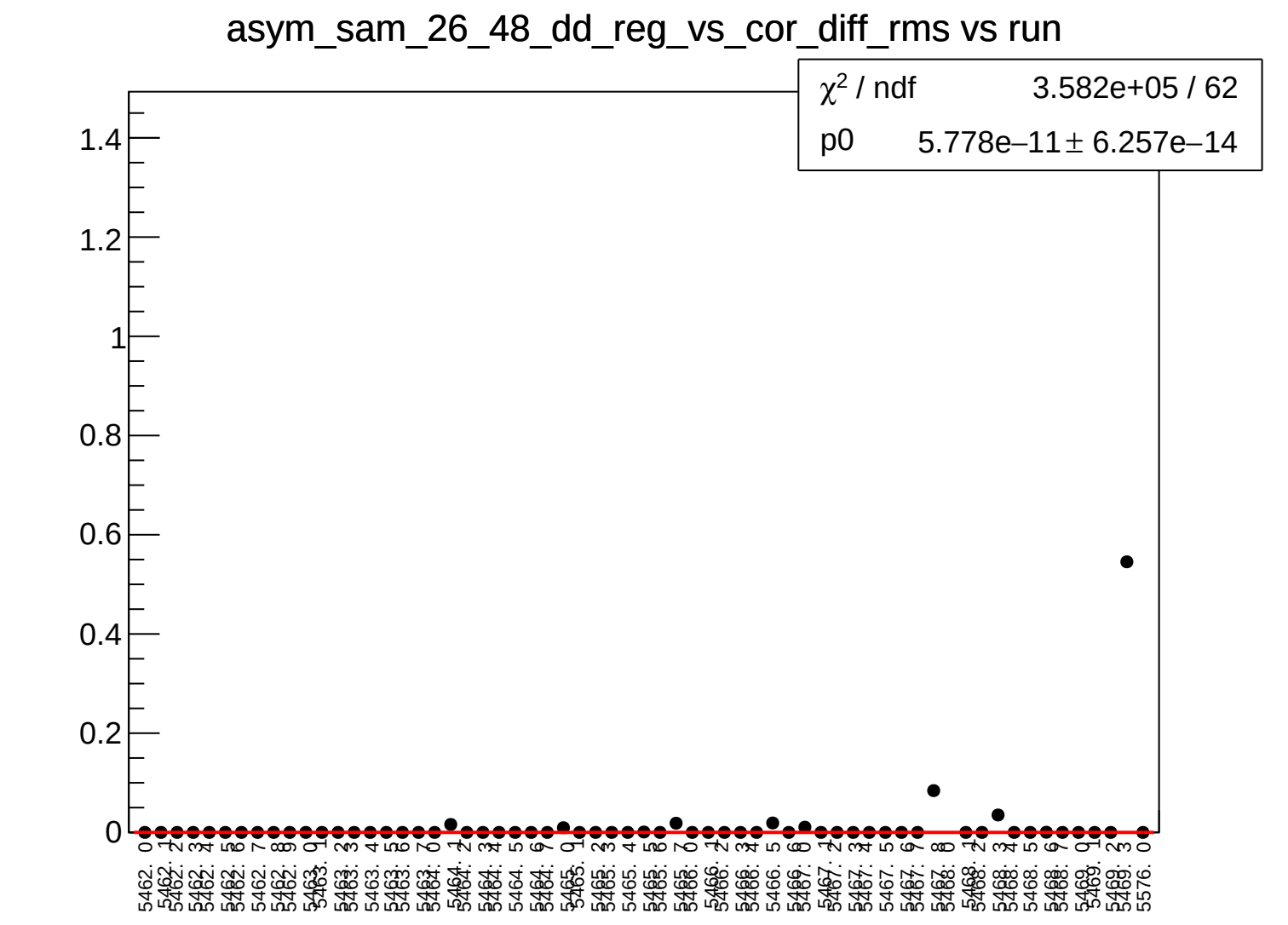

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1455 / 62
p0 809.3 ± 0.736
900
880
860
840
820
800
780
760

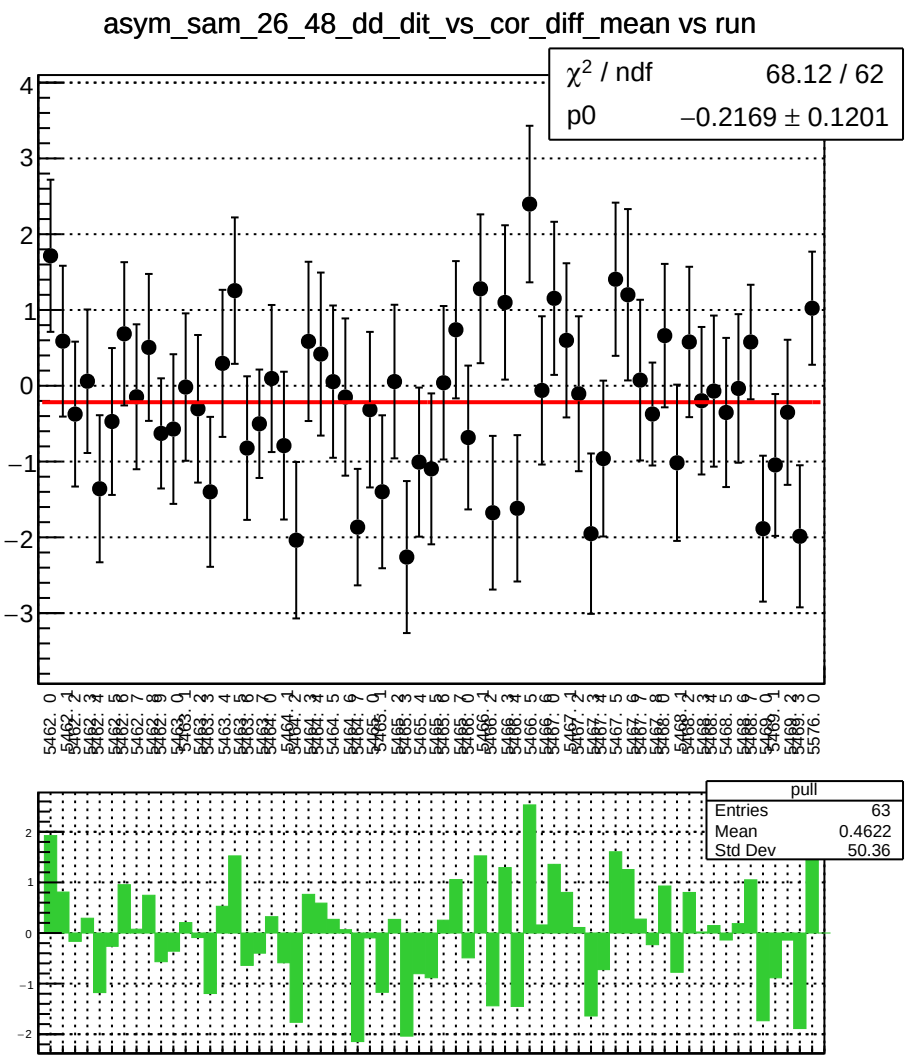

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.98 / 62
p0 480.2 ± 1010
pull
Entries 63
Mean 357.6
Std Dev 0

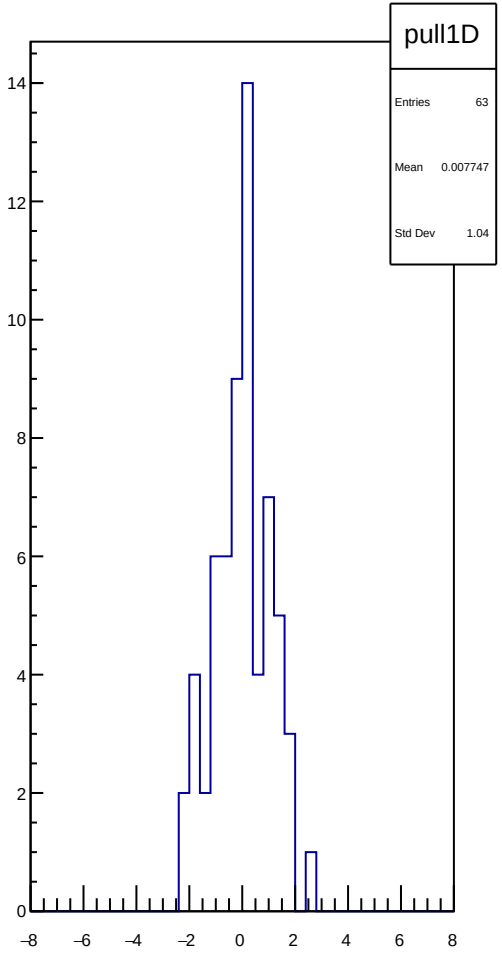

pull1D
Entries 63
Mean −0.005166
Std Dev 1.061

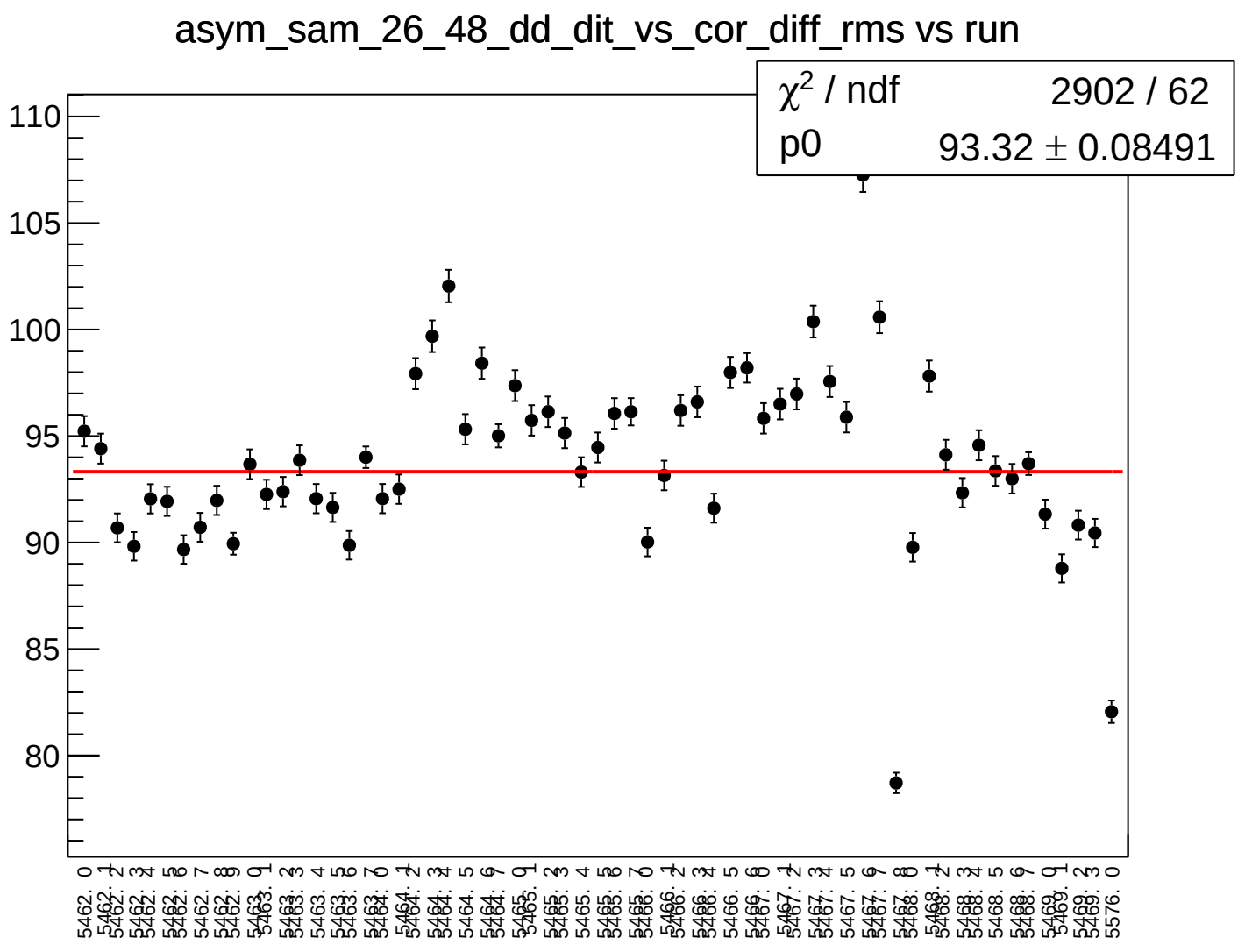

asym_sam_26_48_dd_rms vs run
χ² / ndf 1519 / 62
p0 785.4 ± 0.7142
880
860
840
820
800
780
760
740
720

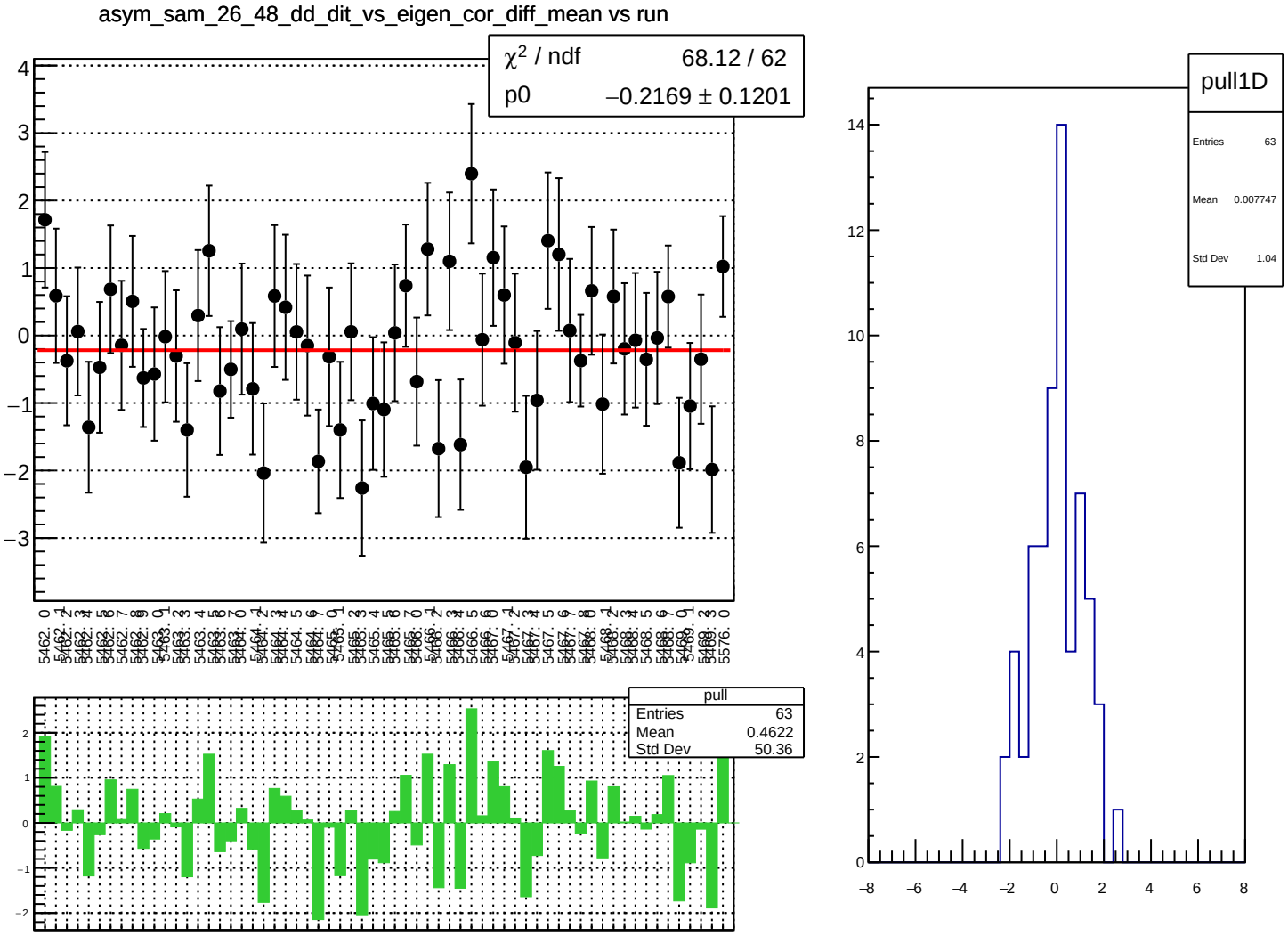

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.2 / 62
p0 −1.412e−14 ± 8.849e−14
pull
Entries 63
Mean 65.51
Std Dev 0
pull1D
Entries 63
Mean −0.02878
Std Dev 0.9524

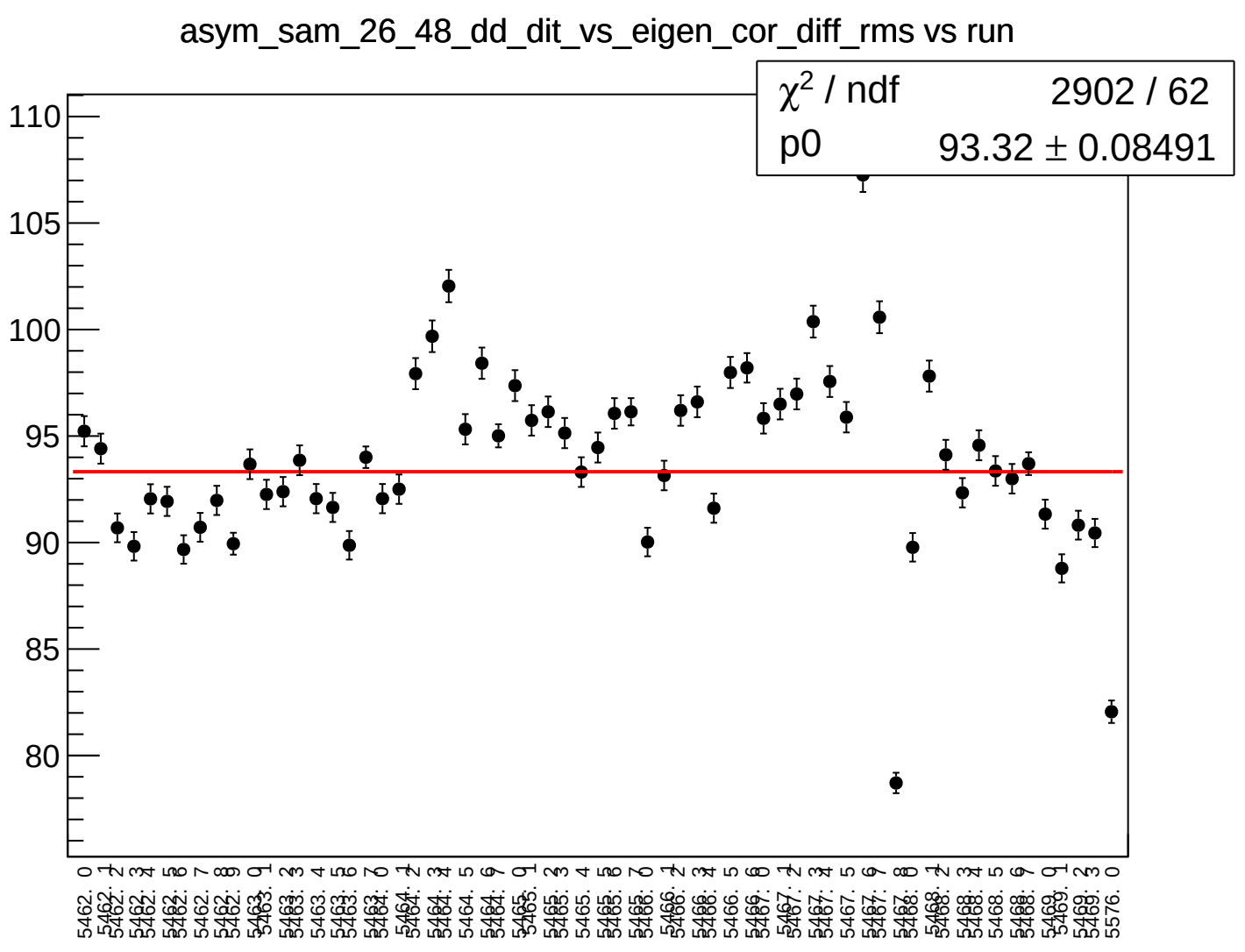

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.582e+05 / 62
p0 5.778e−11 ± 6.257e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

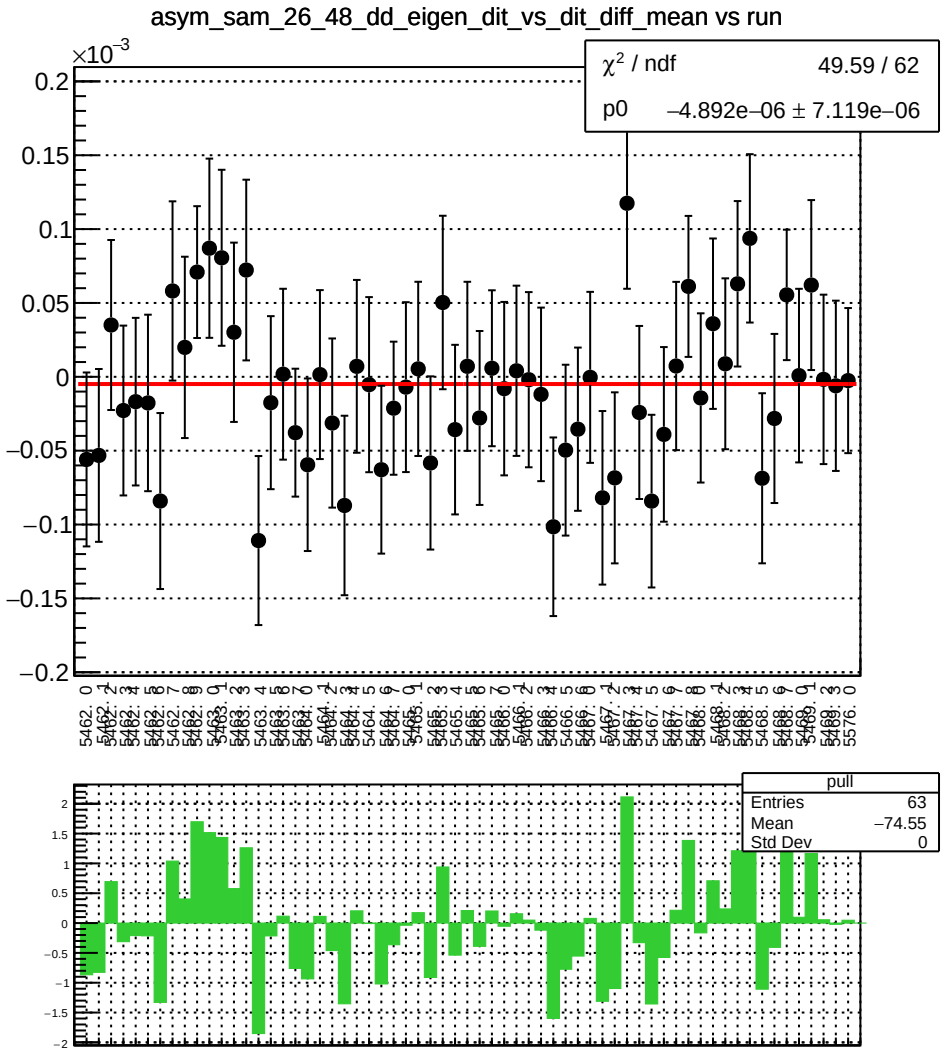

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 −0.2169 ± 0.1201
pull
Entries 63
Mean 0.4622
Std Dev 50.36

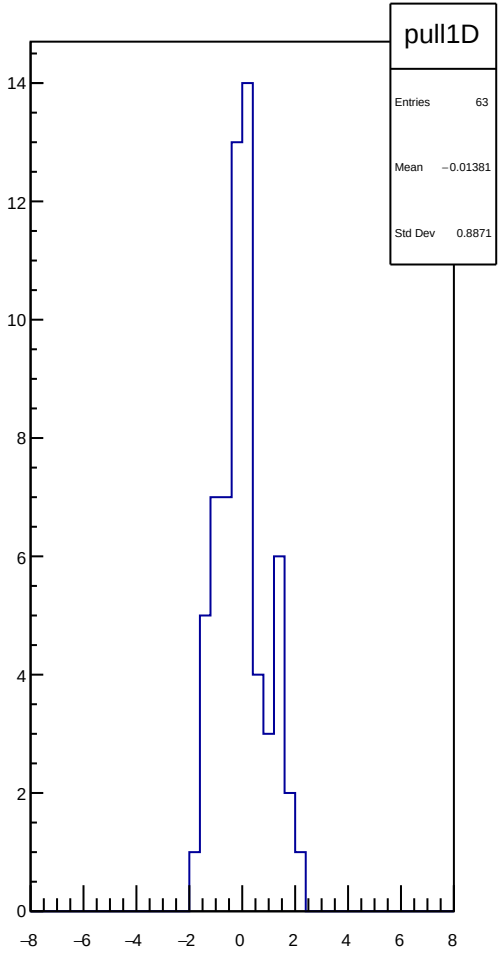

pull1D
Entries 63
Mean 0.007747
Std Dev 1.04

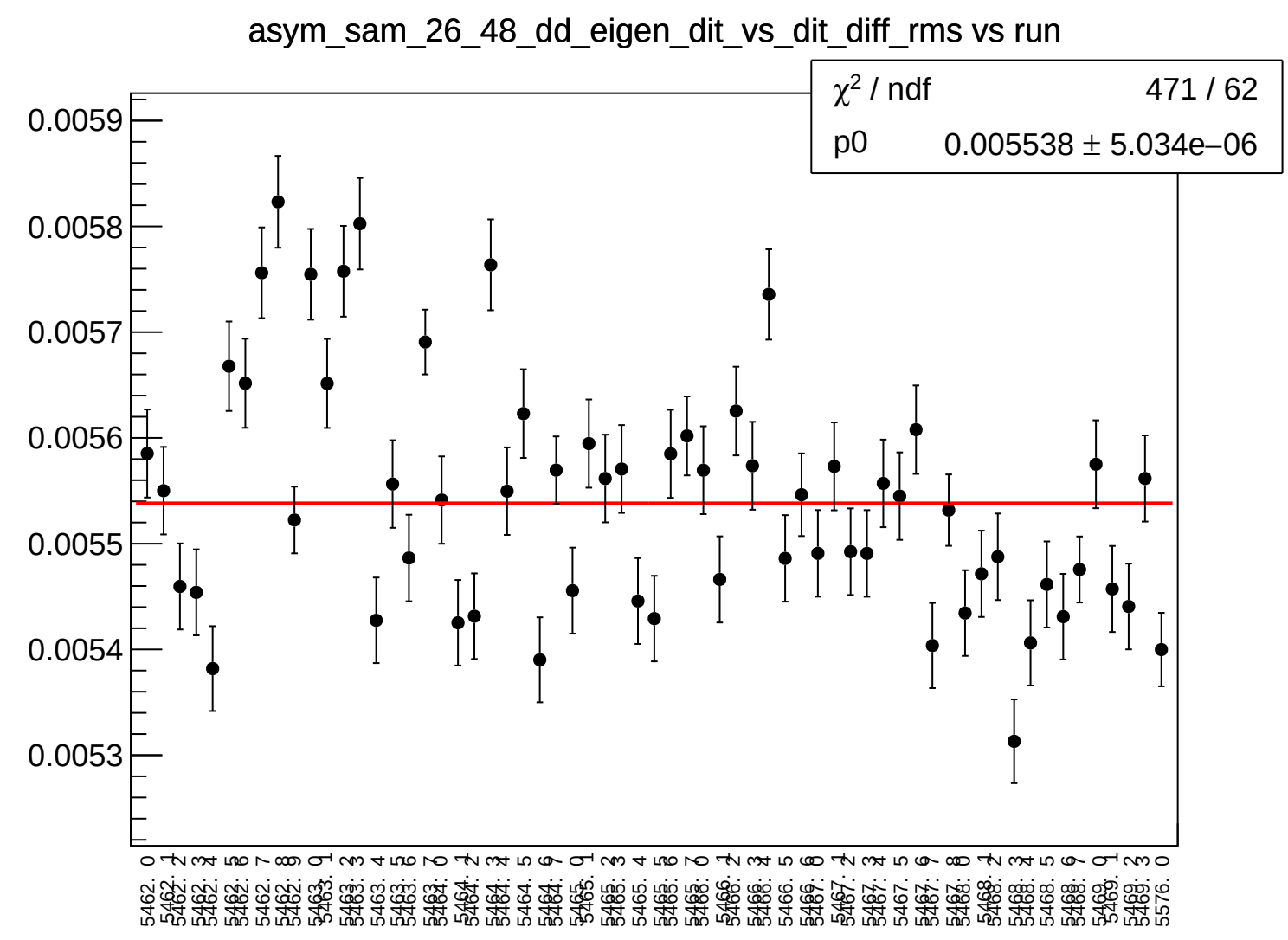

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2902 / 62
p0 93.32 ± 0.08491
110
105
100
95
90
85
80

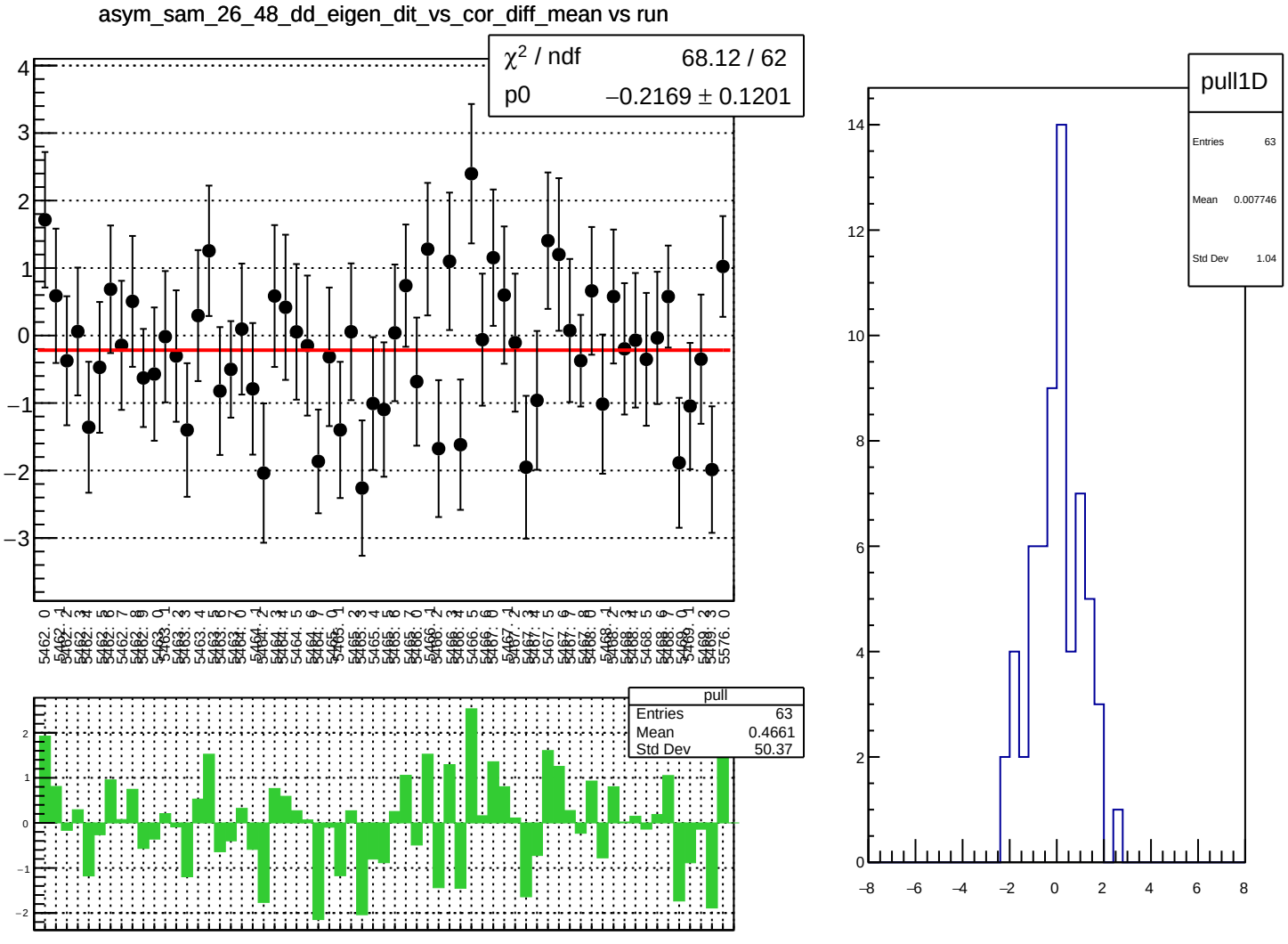

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 −0.2169 ± 0.1201
pull
Entries 63
Mean 0.4622
Std Dev 50.36
pull1D
Entries 63
Mean 0.007747
Std Dev 1.04

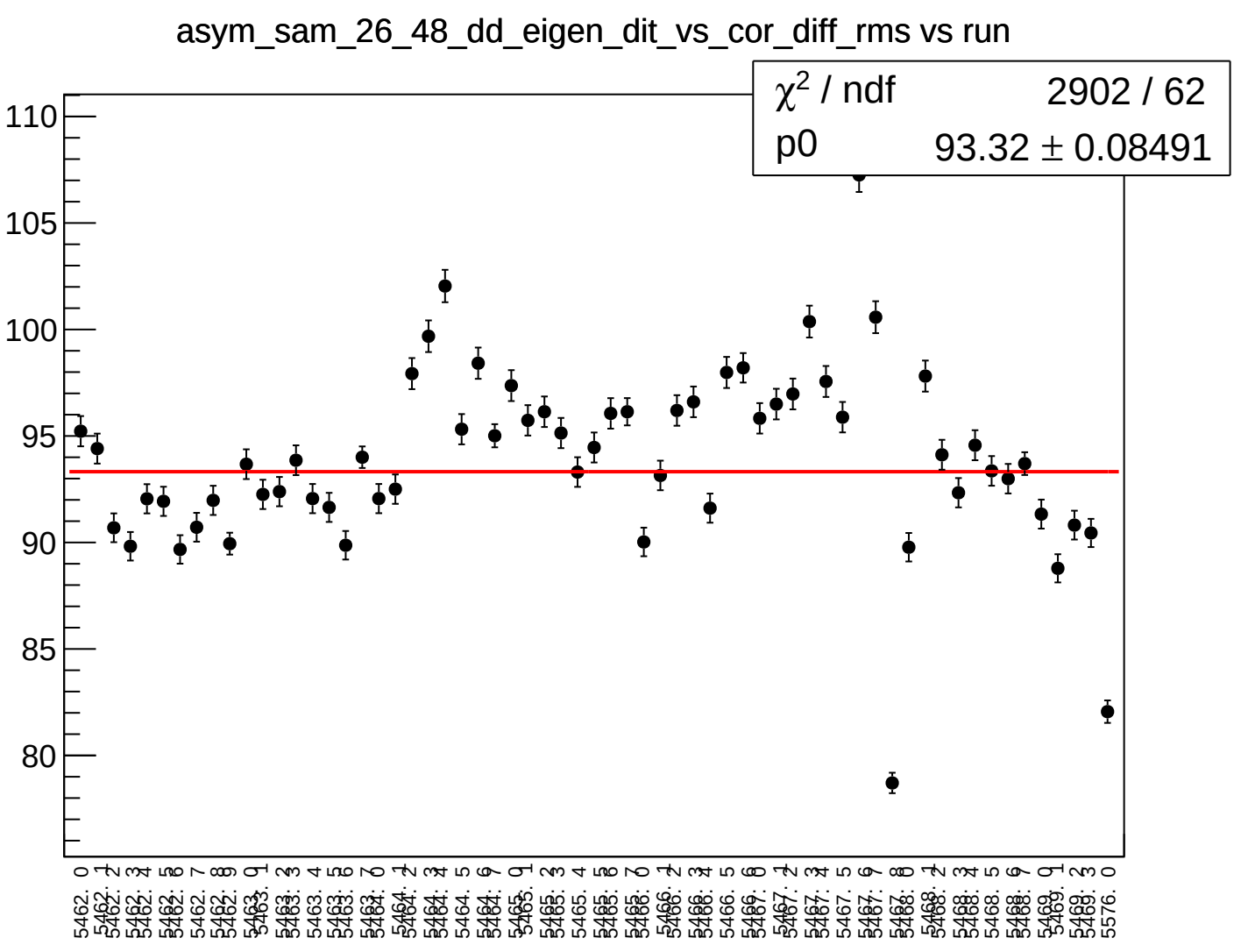

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2902 / 62
p0 93.32 ± 0.08491
110
105
100
95
90
85
80


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.59 / 62
p0 −4.892e−06 ± 7.119e−06
pull
Entries 63
Mean −74.55
Std Dev 0

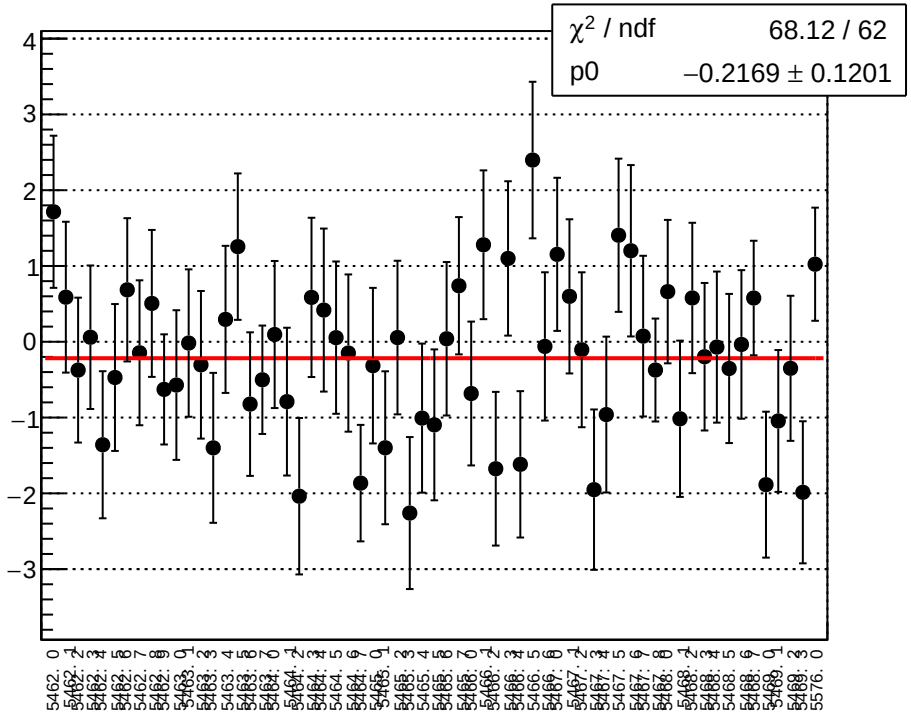

pull1D
Entries 63
Mean −0.01381
Std Dev 0.8871

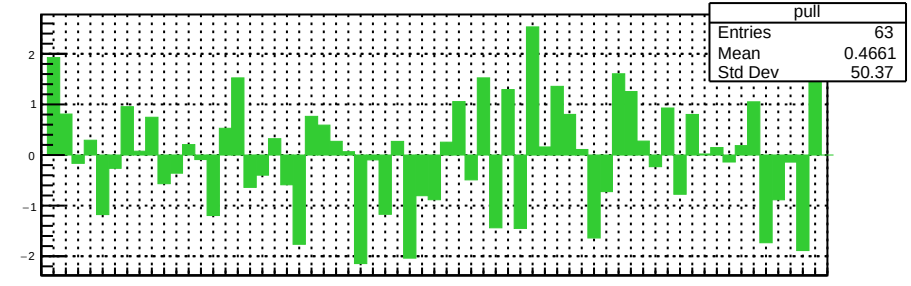

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 471 / 62
p0 0.005538 ± 5.034e−06
0.0059
0.0058
0.0057
0.0056
0.0055
0.0054
0.0053

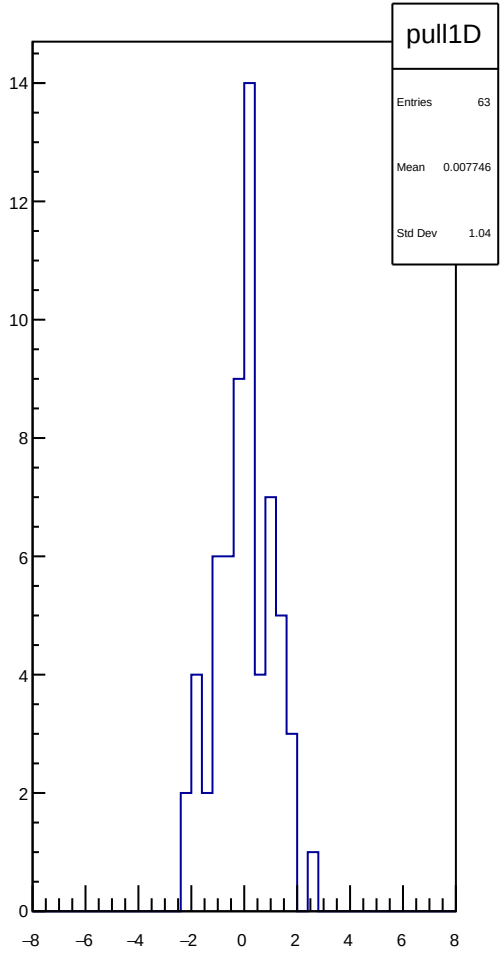

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 −0.2169 ± 0.1201
pull
Entries 63
Mean 0.4661
Std Dev 50.37
pull1D
Entries 63
Mean 0.007746
Std Dev 1.04

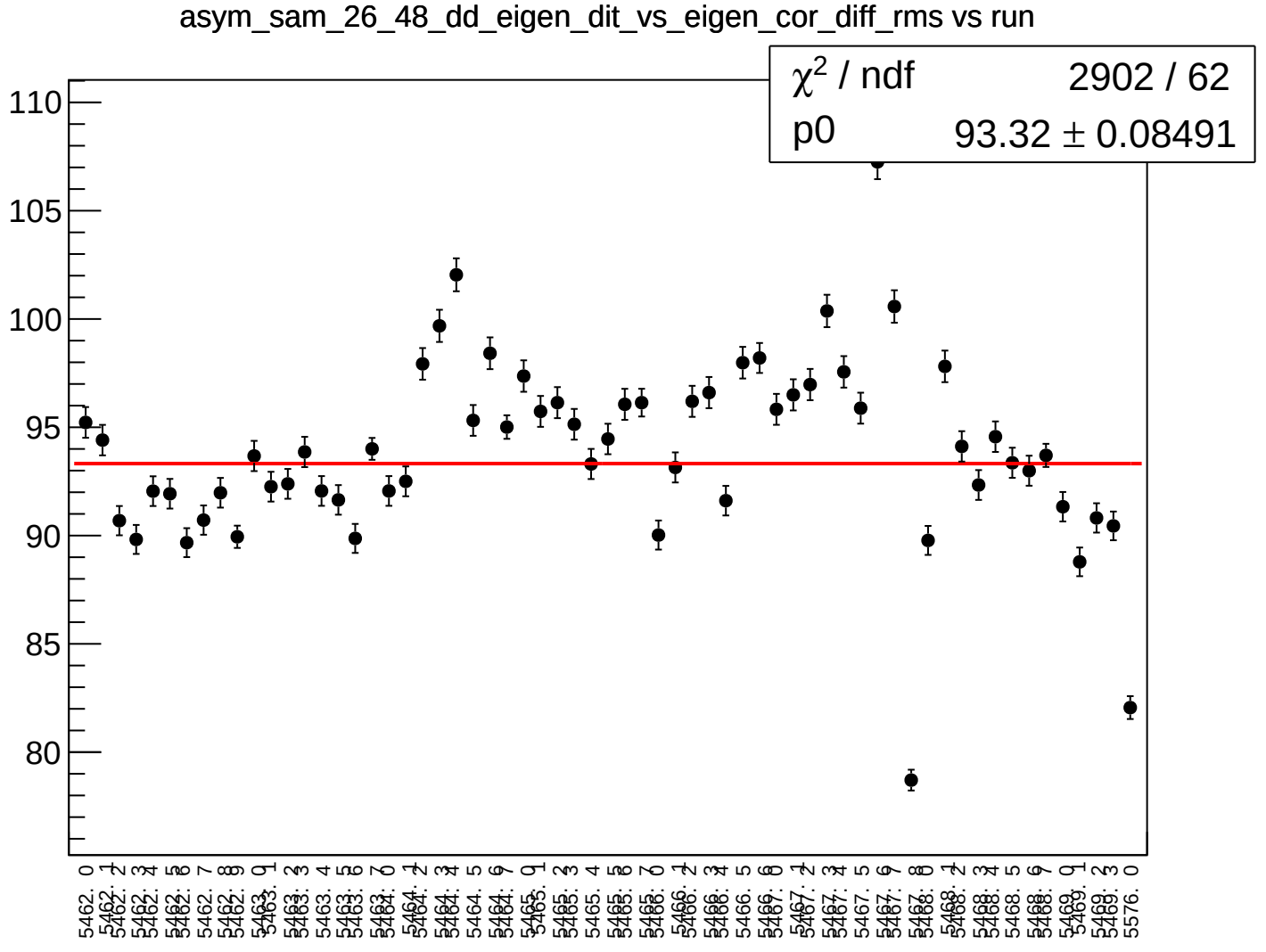

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2902 / 62
p0 93.32 ± 0.08491
110
105
100
95
90
85
80

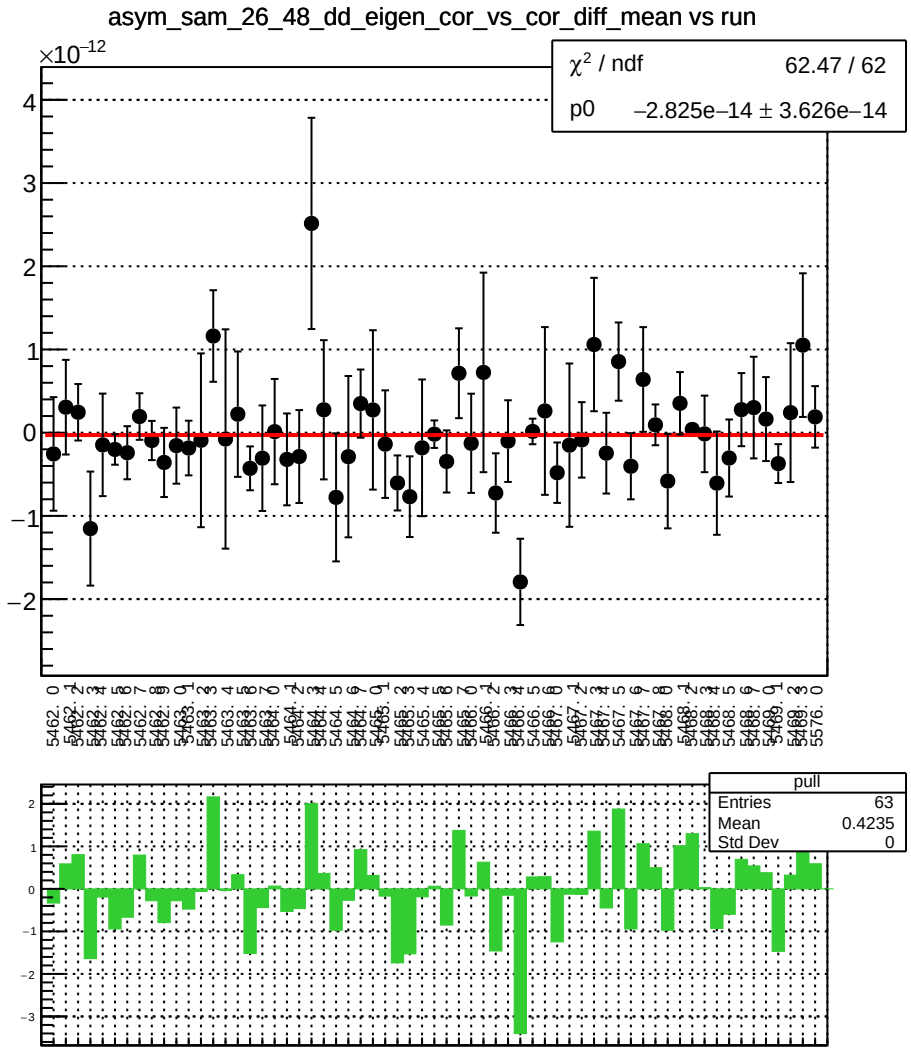
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

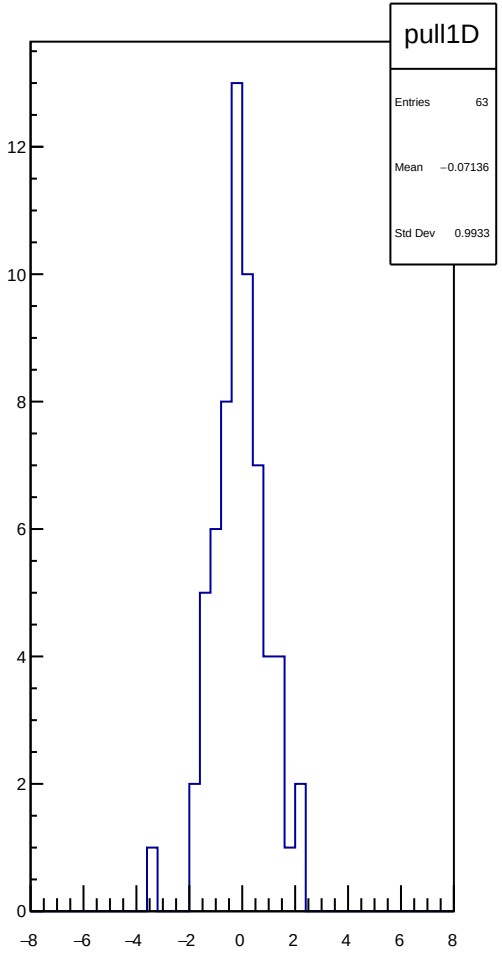


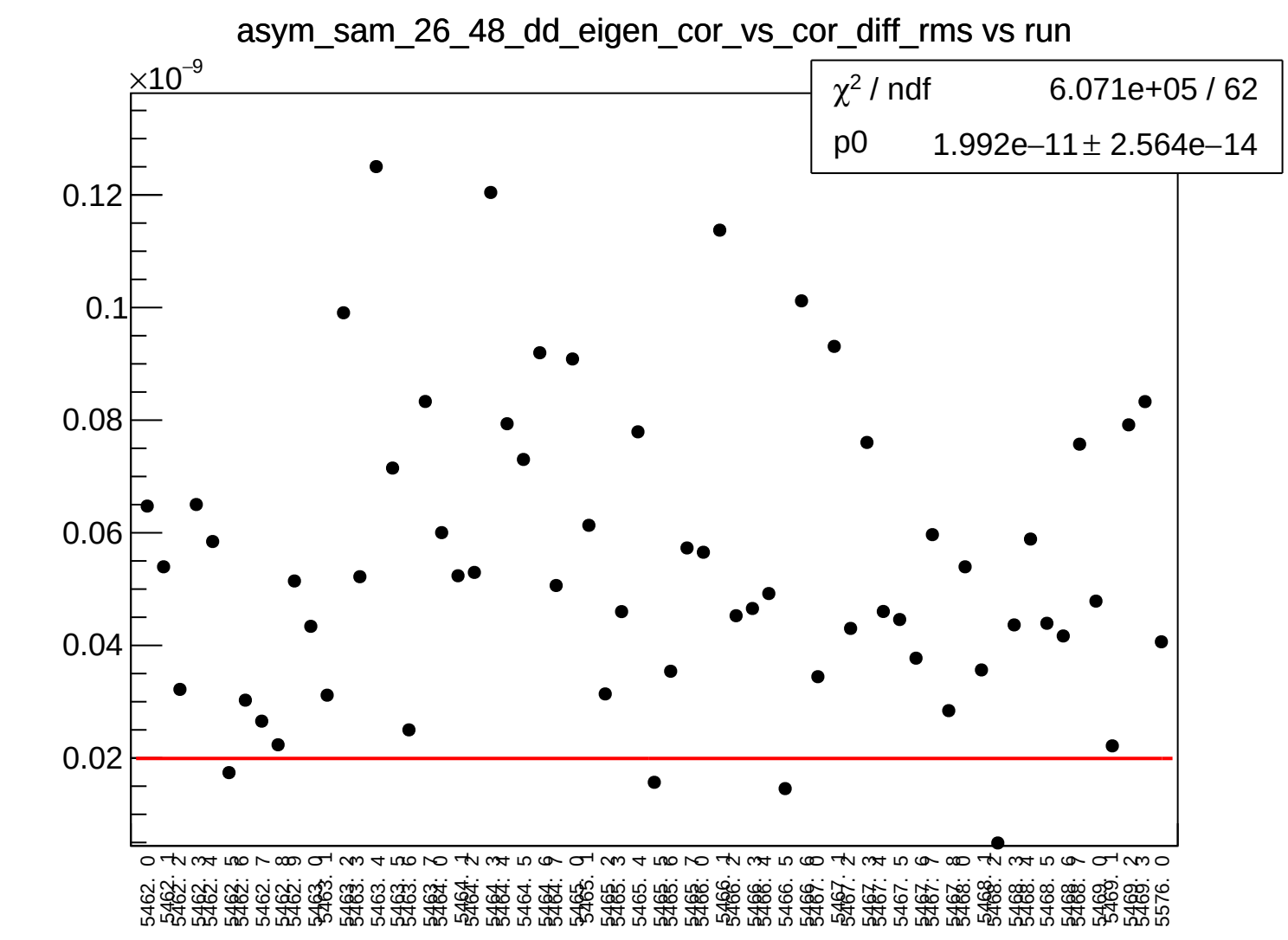


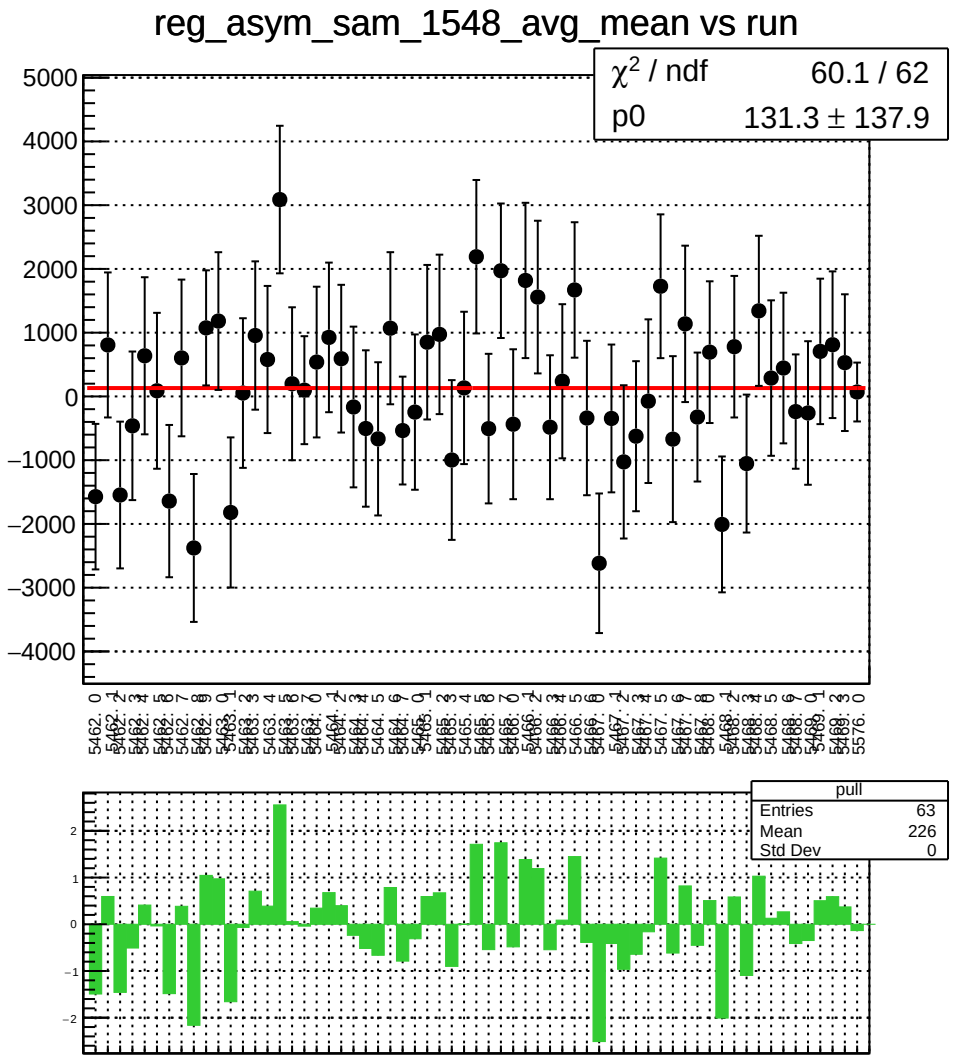


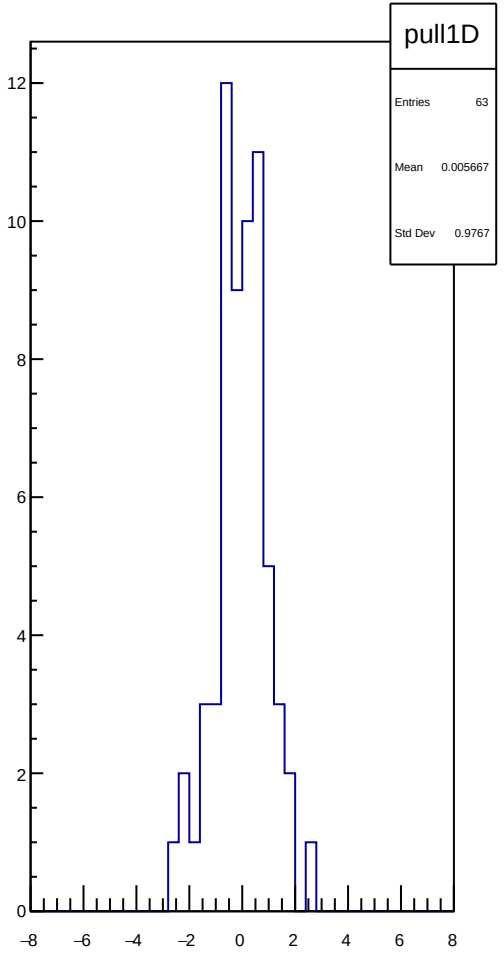

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2902 / 62
p0 93.32 ± 0.08491
110
105
100
95
90
85
80

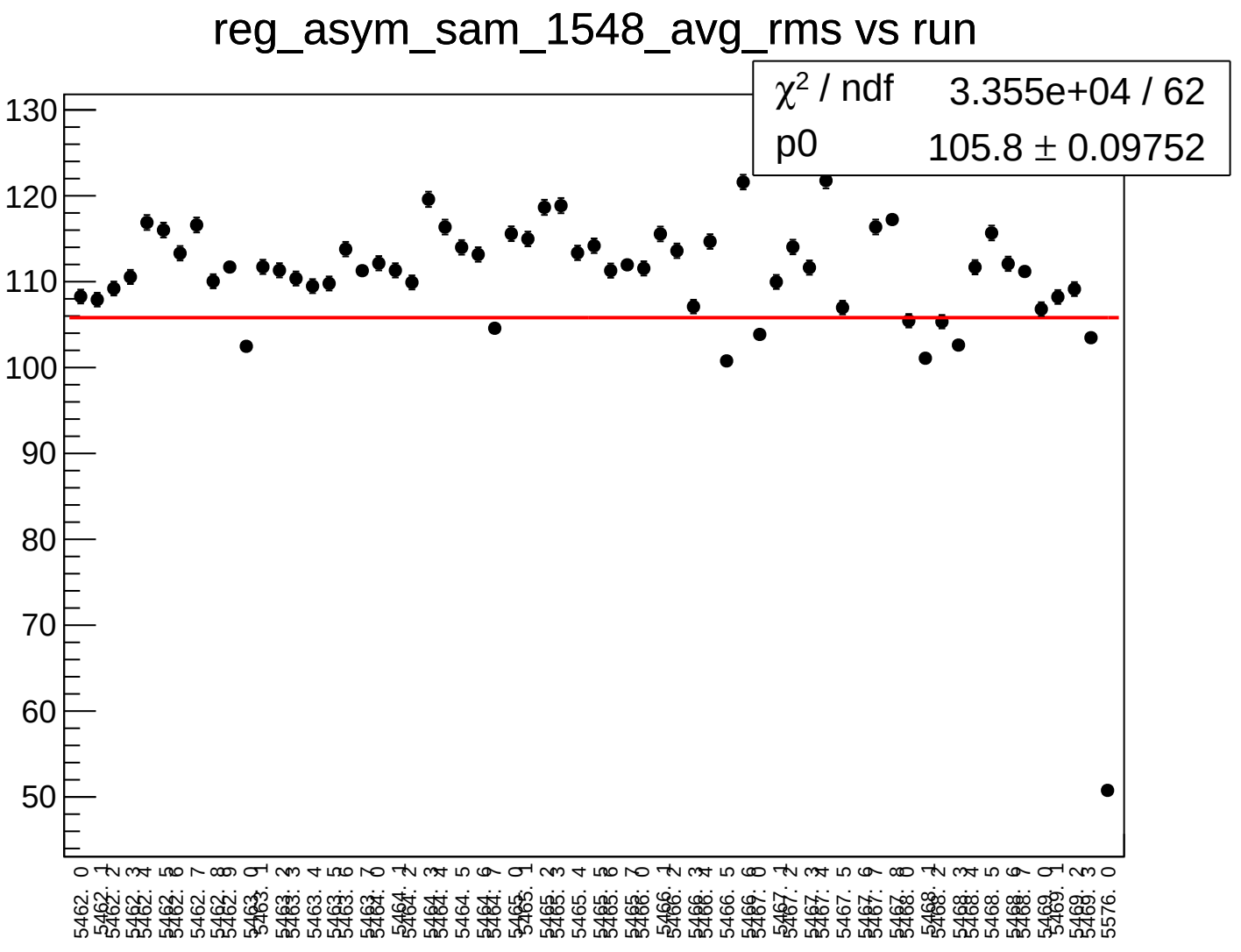

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.47 / 62
p0 −2.825e−14 ± 3.626e−14
pull
Entries 63
Mean 0.4235
Std Dev 0

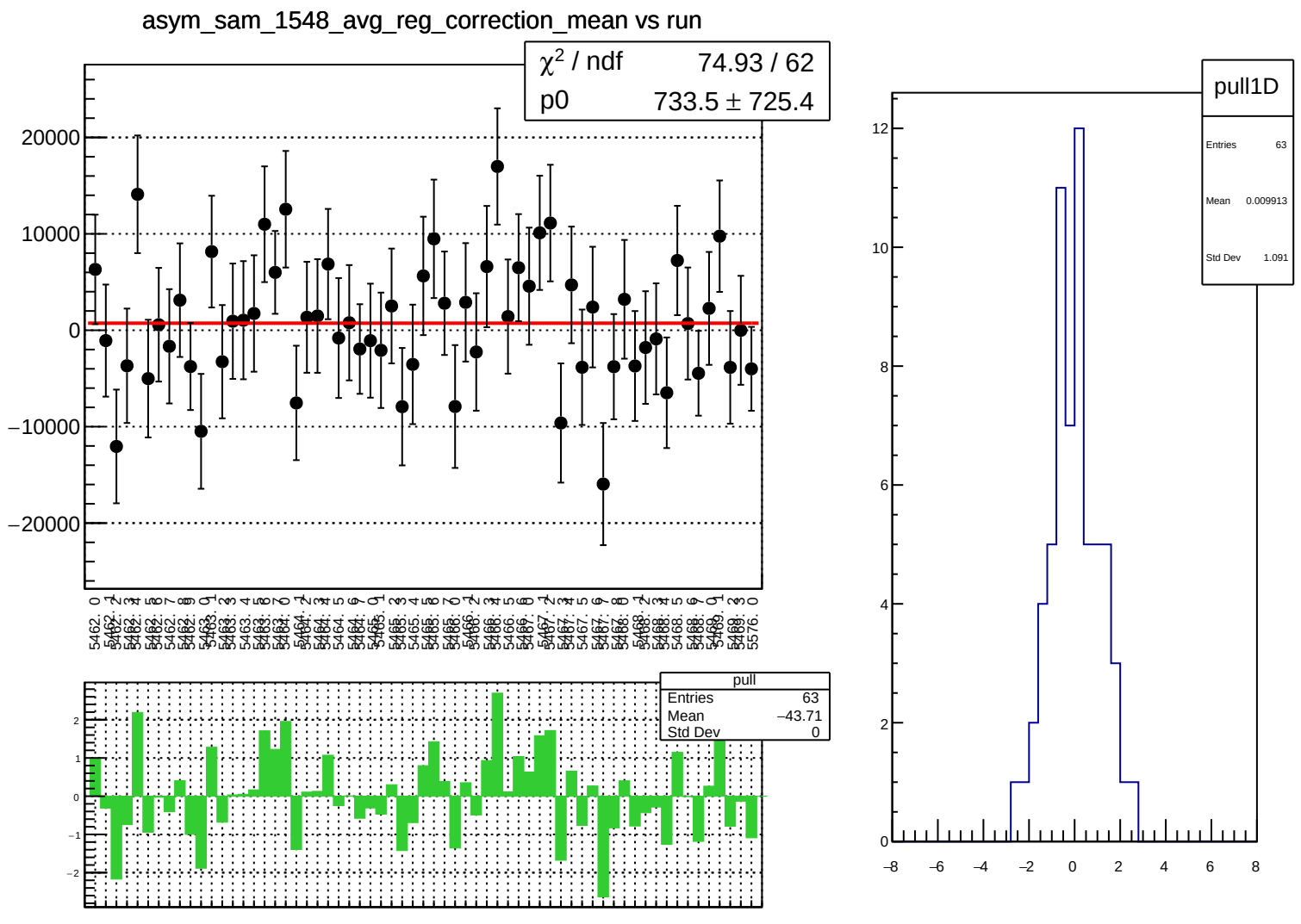

pull1D
Entries 63
Mean −0.07136
Std Dev 0.9933

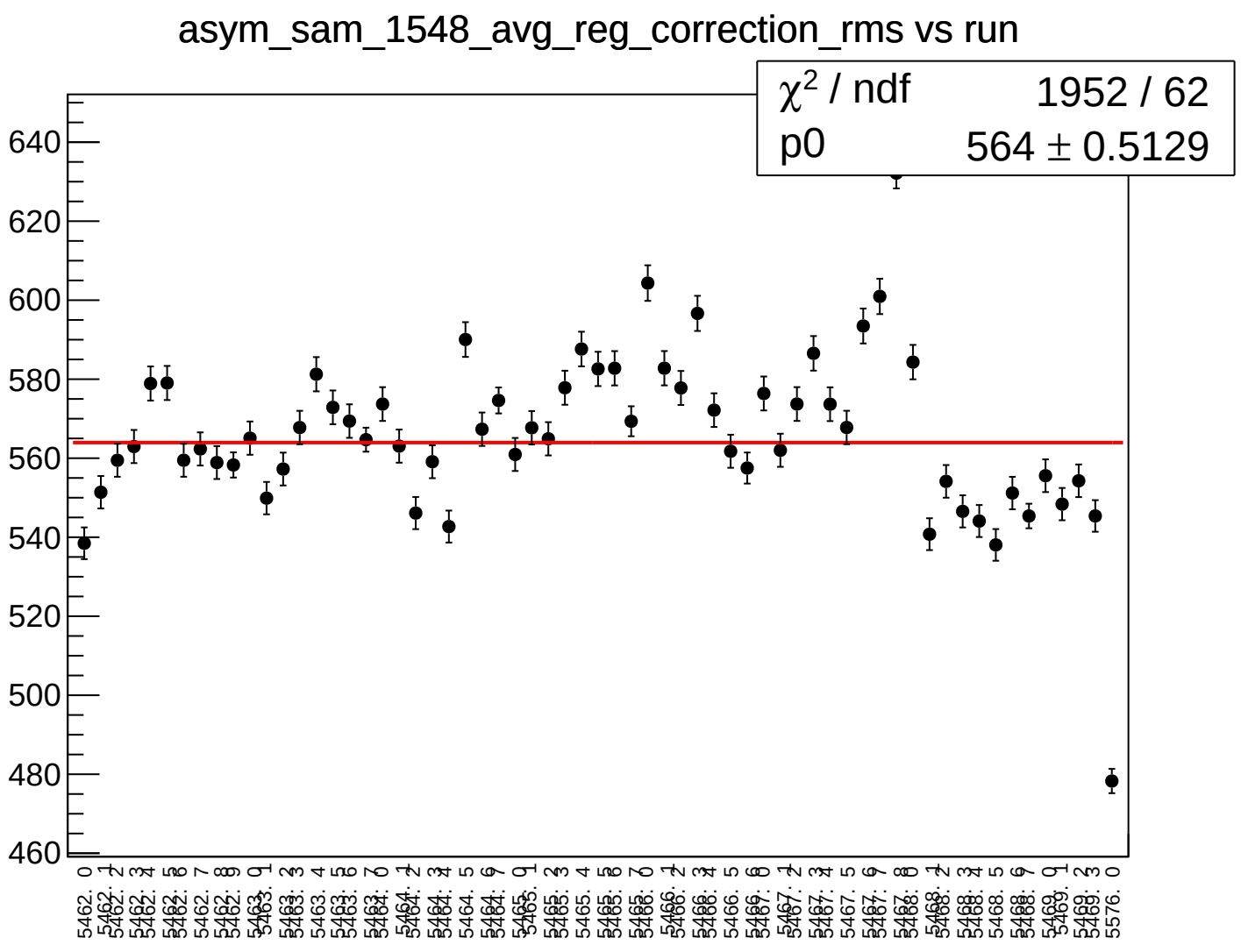

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.071e+05 / 62
p0 1.992e−11 ± 2.564e−14
0.12
0.1
0.08
0.06
0.04
0.02
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

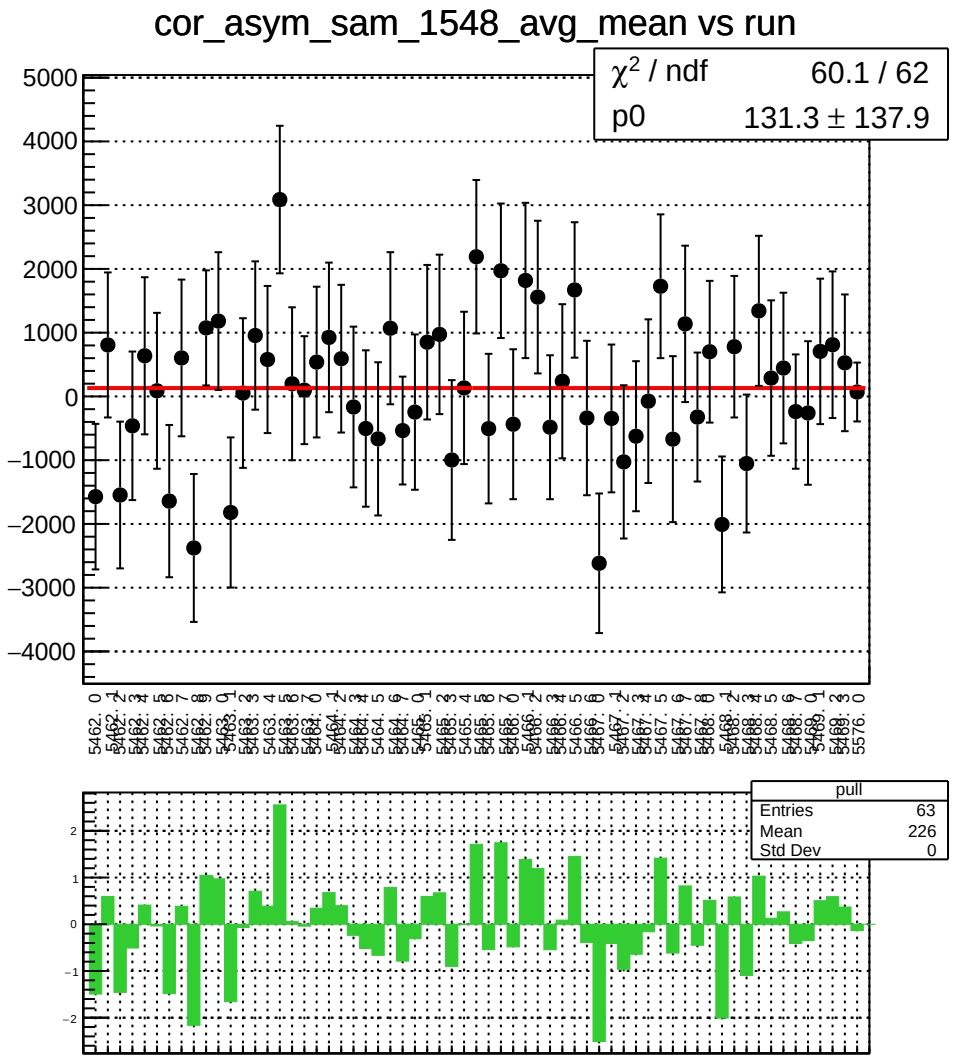

reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 60.1 / 62
p0 131.3 ± 137.9
pull
Entries 63
Mean 226
Std Dev 0

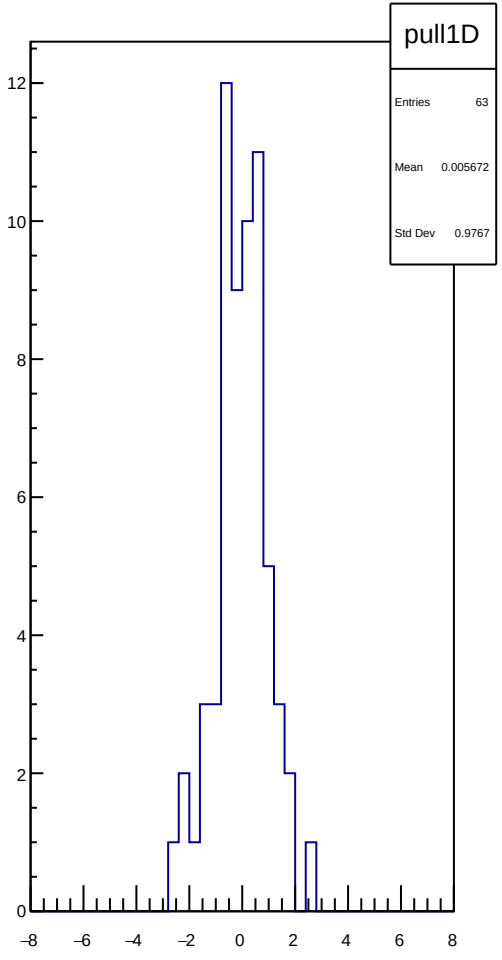

pull1D
Entries 63
Mean 0.005667
Std Dev 0.9767

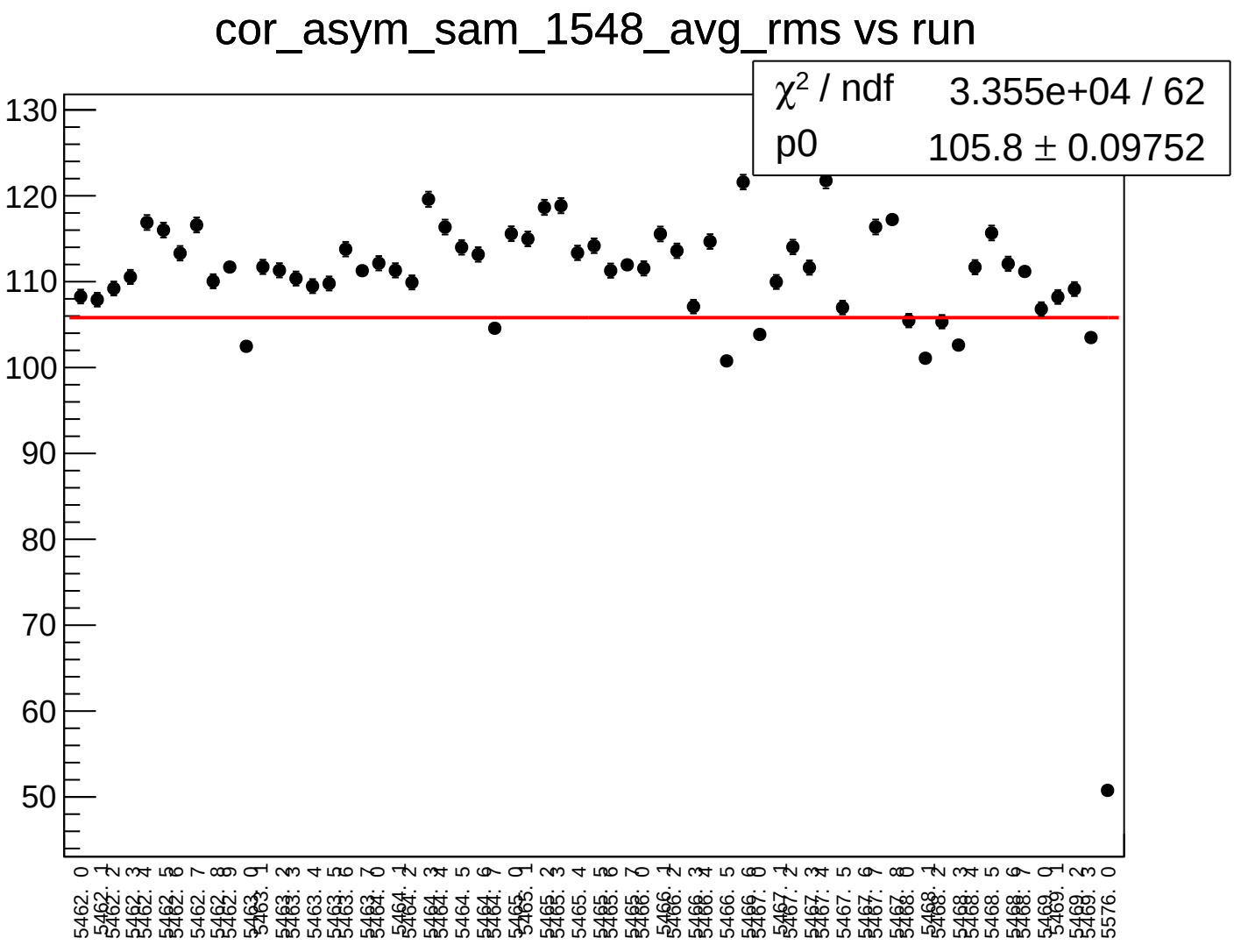

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3.355e+04 / 62
p0 105.8 ± 0.09752
130
120
110
100
90
80
70
60
50

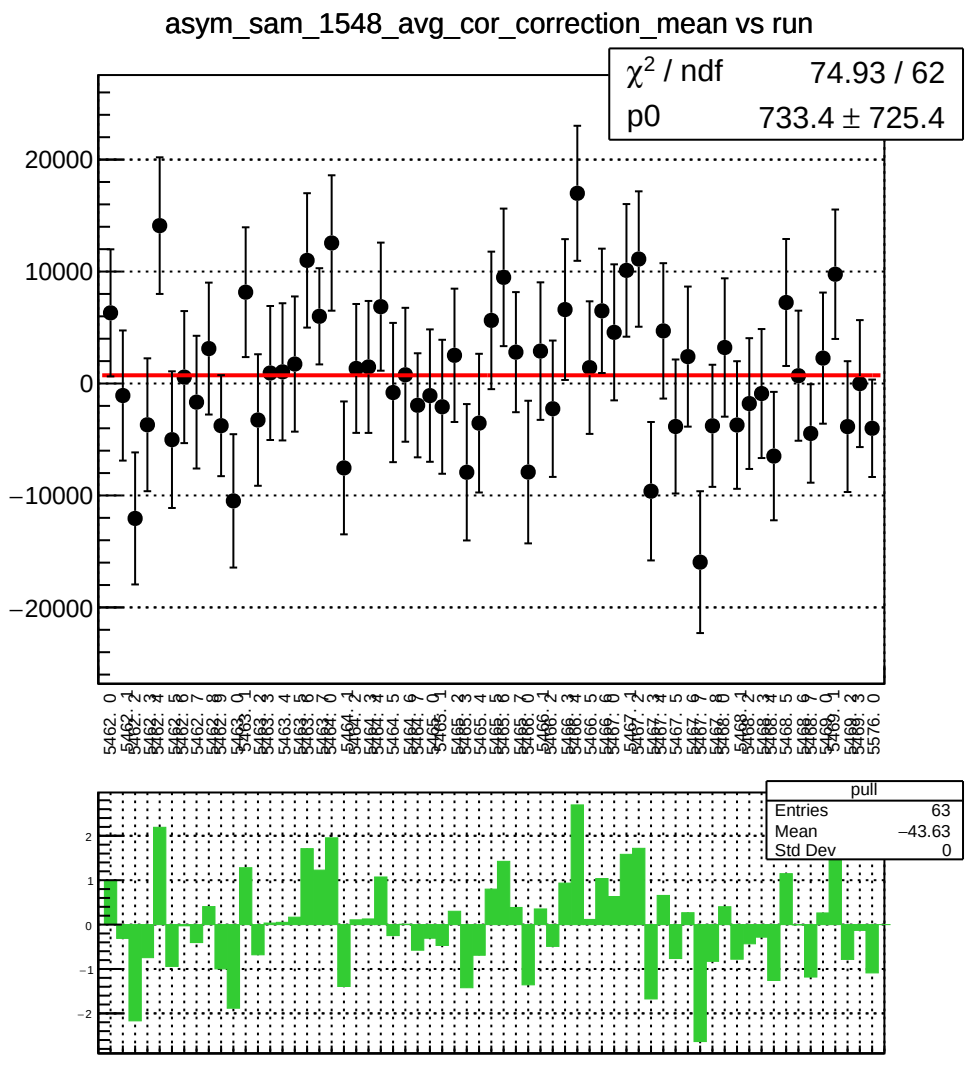

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 74.93 / 62
p0 733.5 ± 725.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −43.71
Std Dev 0
pull1D
Entries 63
Mean 0.009913
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

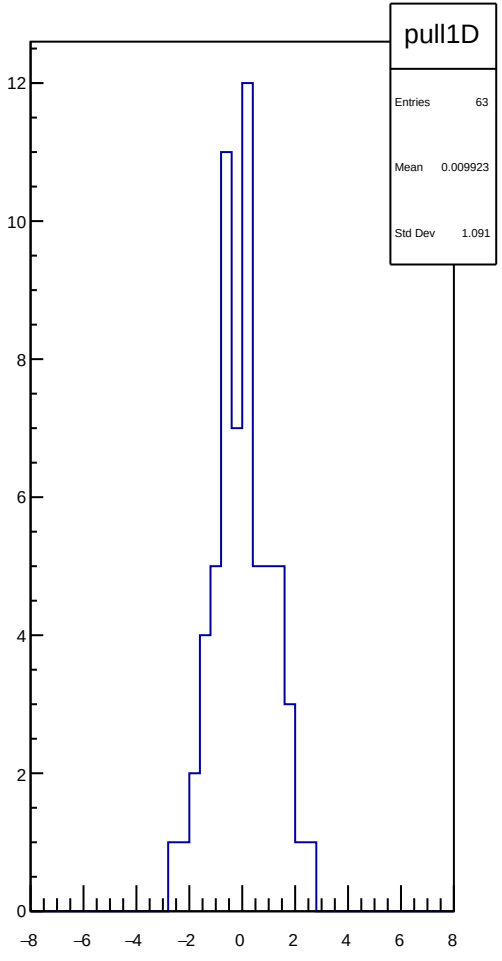

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1952 / 62
p0 564 ± 0.5129
640
620
600
580
560
540
520
500
480
460

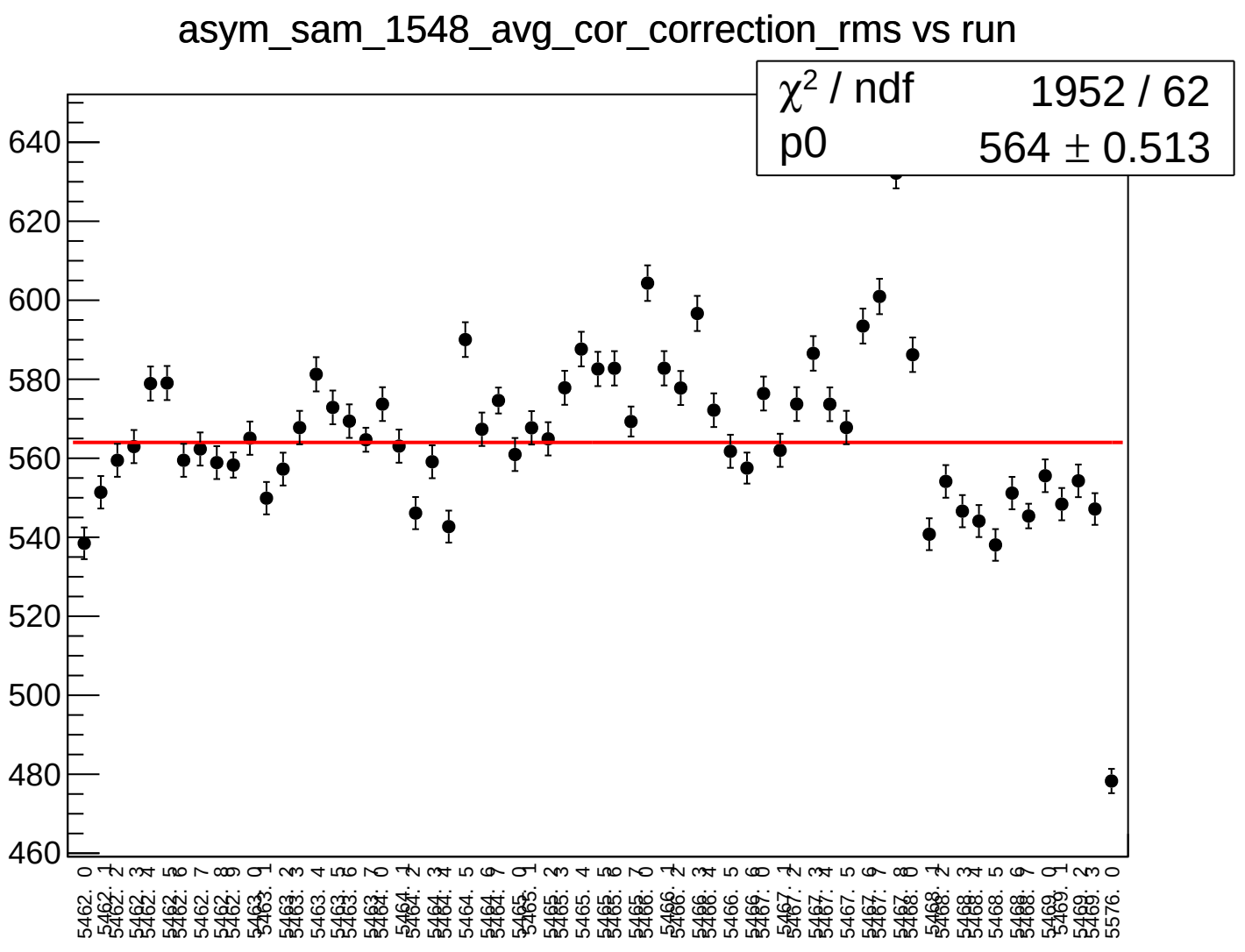

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 60.1 / 62
p0 131.3 ± 137.9
pull
Entries 63
Mean 226
Std Dev 0

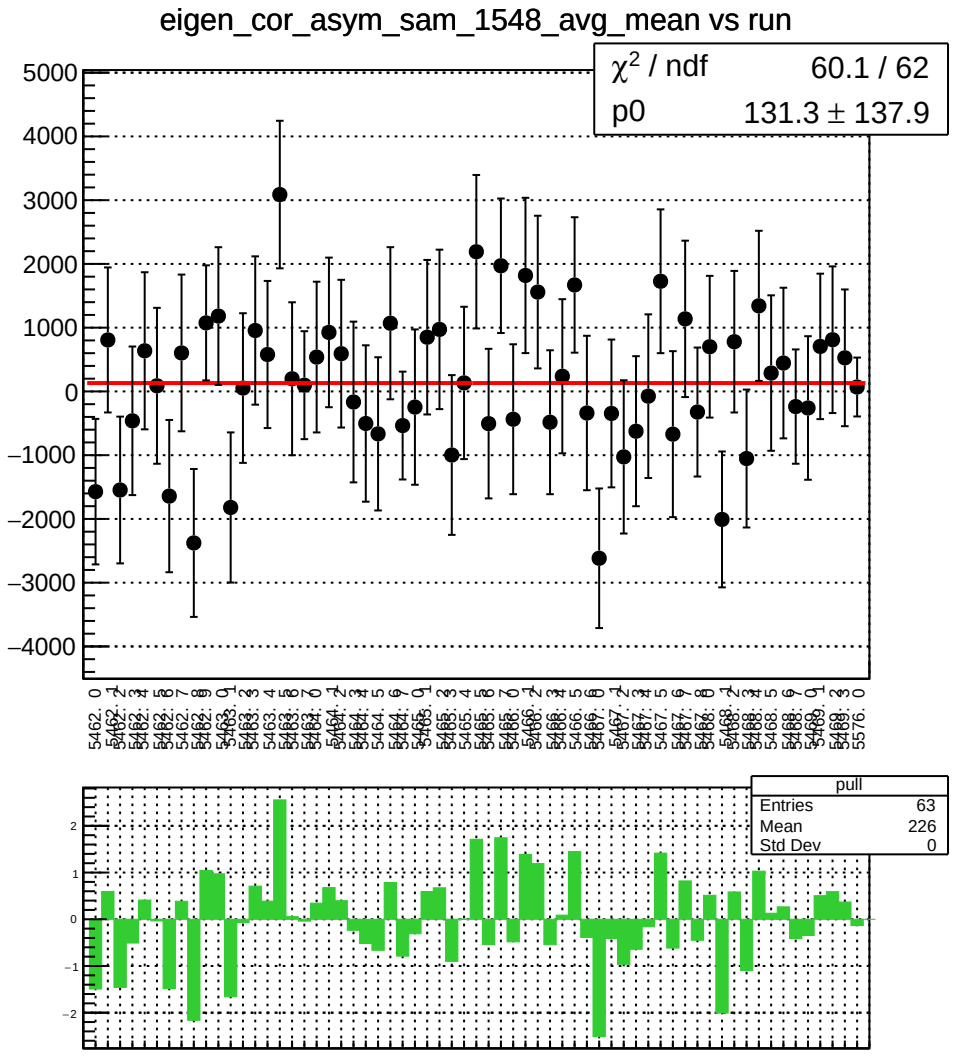

pull1D
Entries 63
Mean 0.005672
Std Dev 0.9767

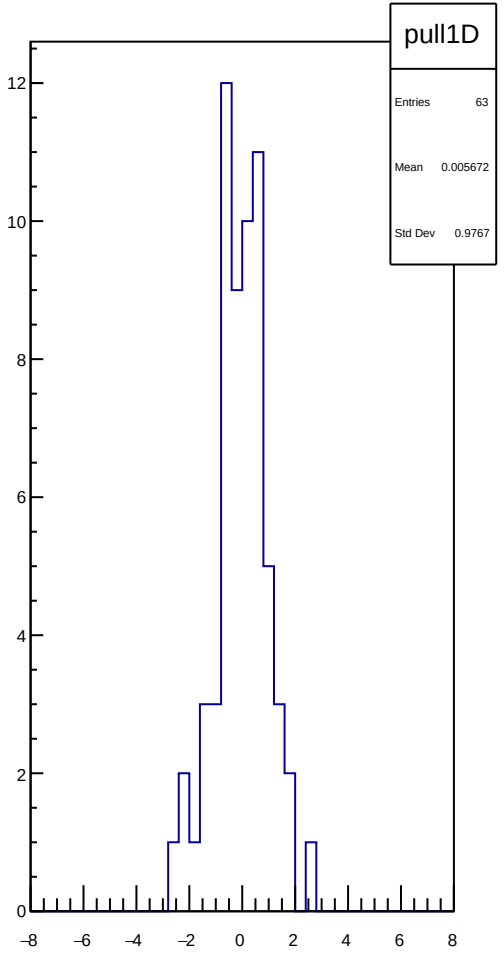

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.355e+04 / 62
p0 105.8 ± 0.09752
130
120
110
100
90
80
70
60
50

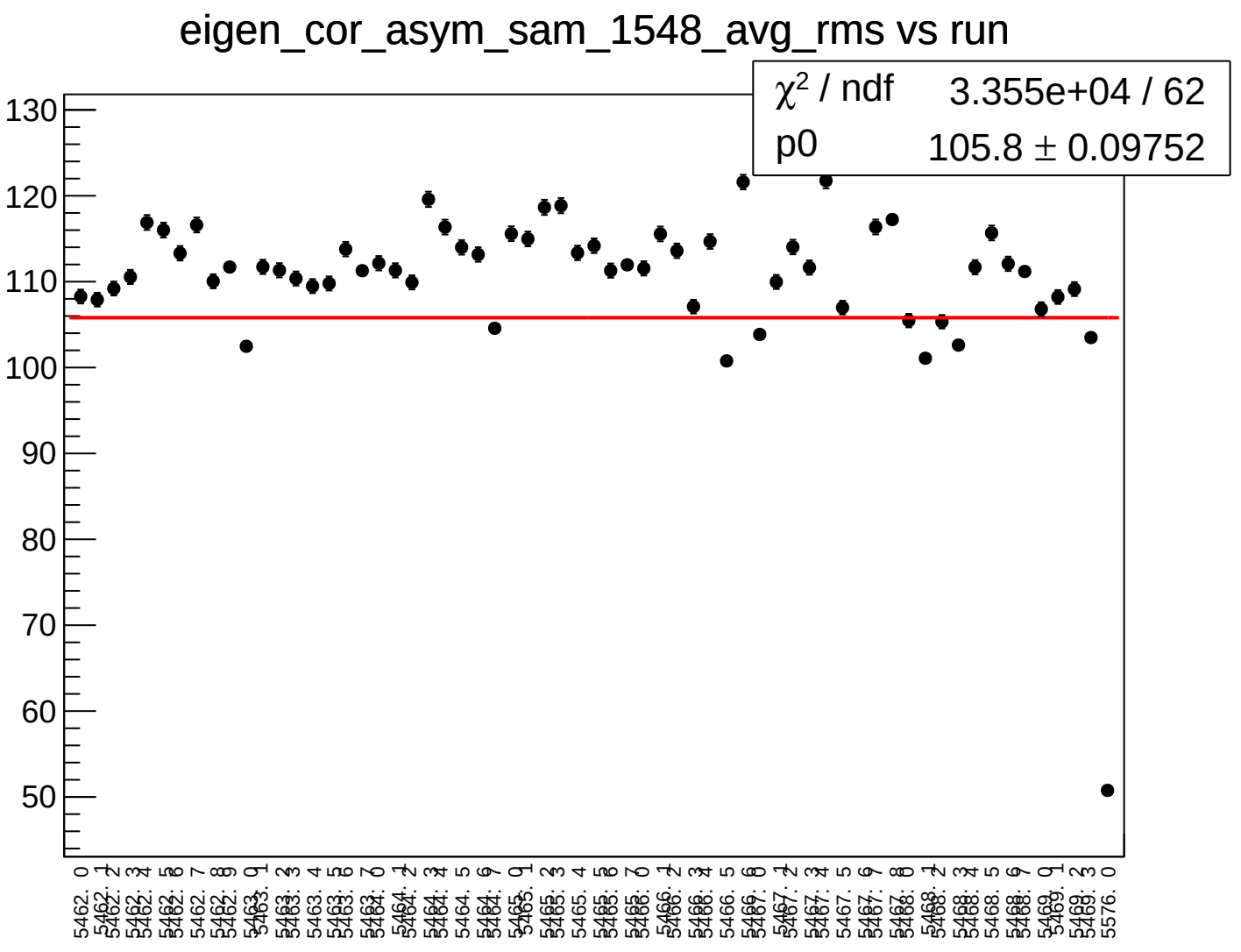

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 74.93 / 62
p0 733.4 ± 725.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −43.63
Std Dev 0
2
1
0
−1
−2

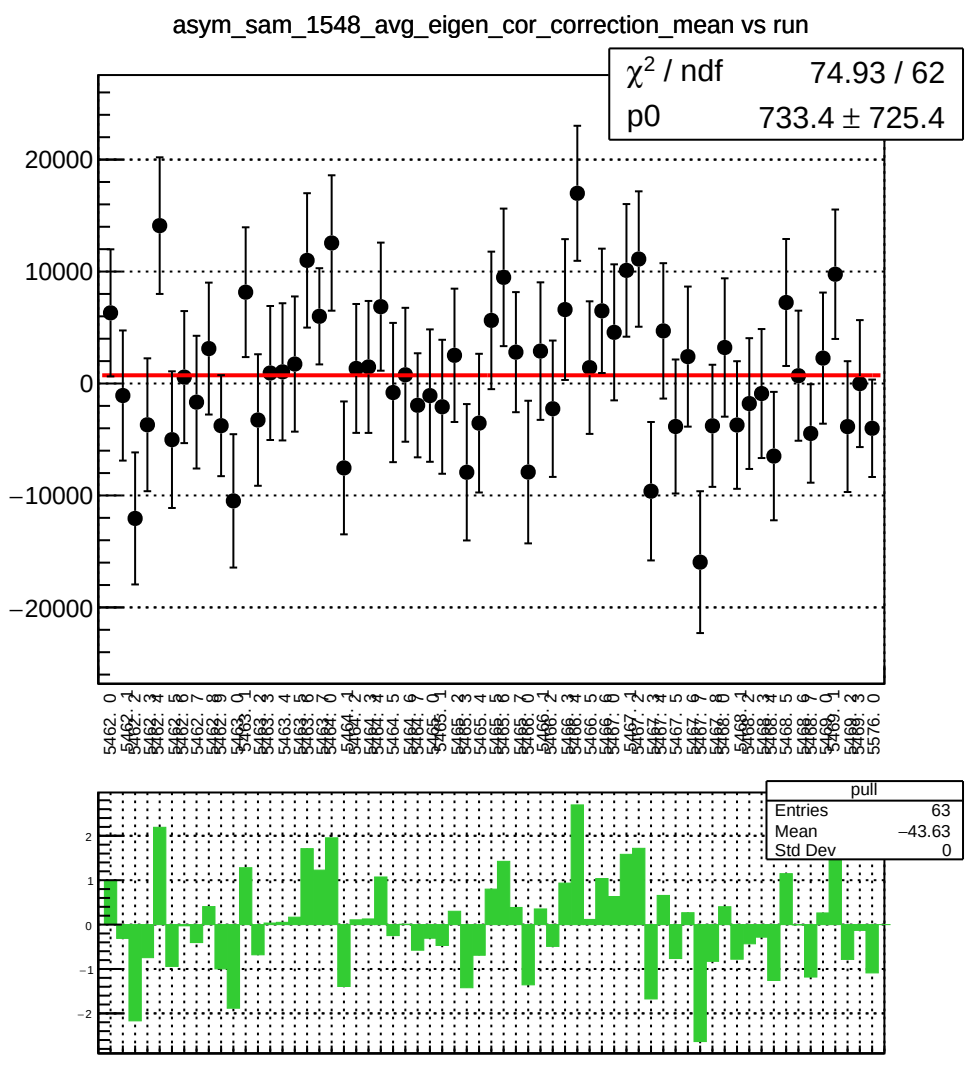

pull1D
Entries 63
Mean 0.009923
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

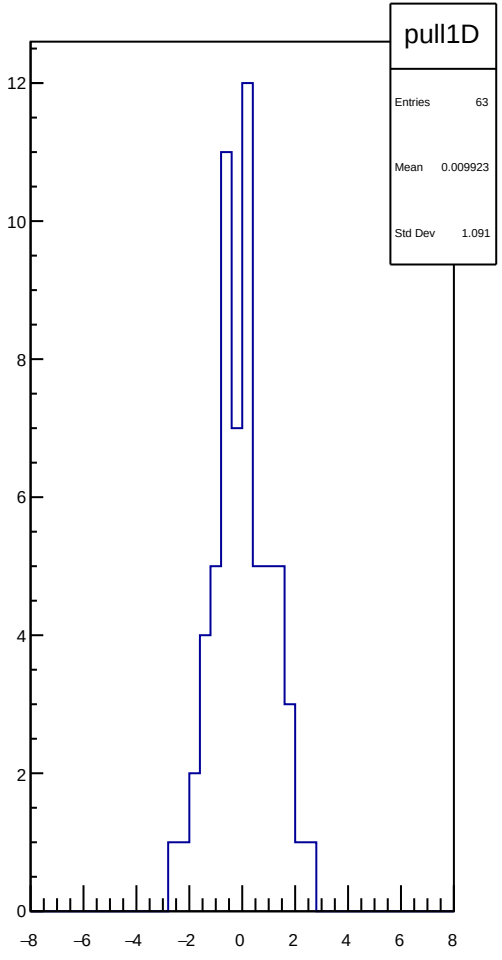

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1952 / 62
p0 564 ± 0.513
640
620
600
580
560
540
520
500
480
460

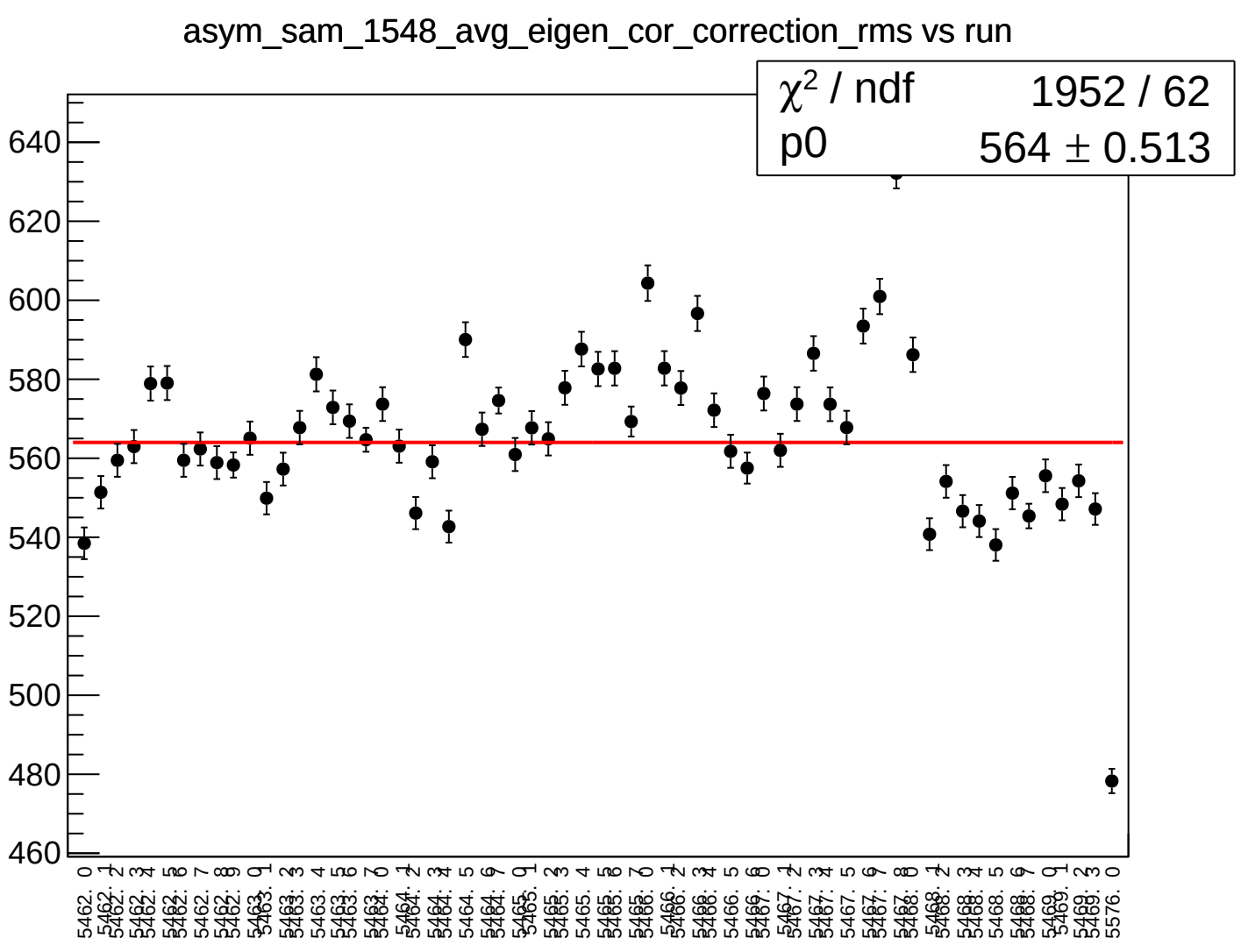

eigen_cor_asym_sam_1548_avg_mean vs run
χ^2 / ndf 60.1 / 62
p0 131.3 ± 137.9
pull
Entries 63
Mean 226
Std Dev 0

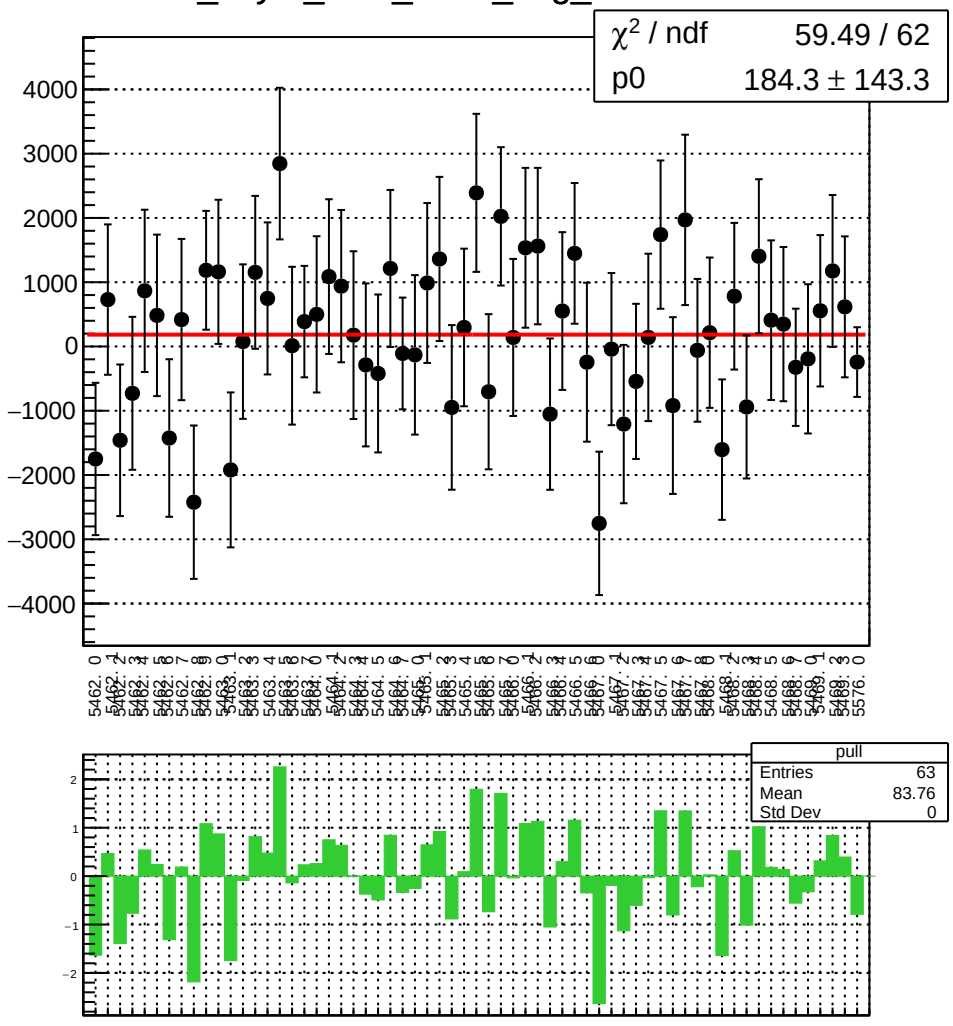

pull1D
Entries 63
Mean 0.005672
Std Dev 0.9767

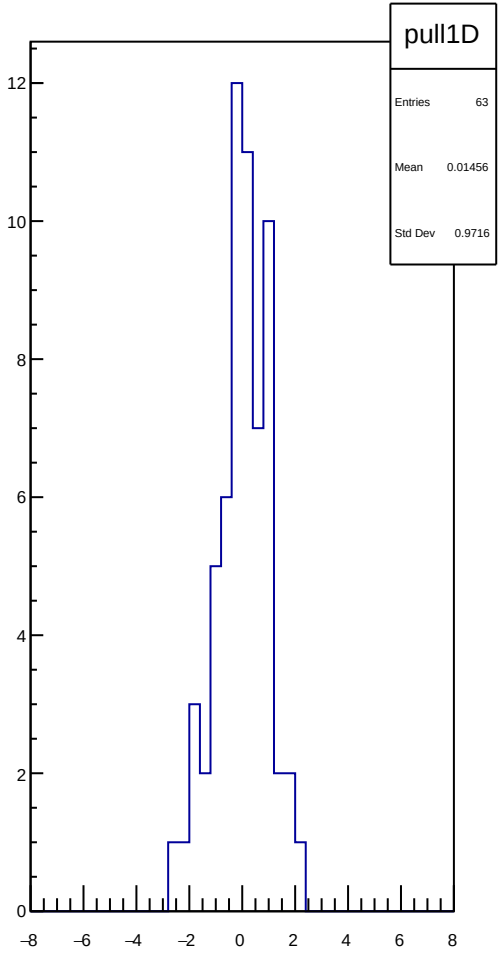

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.355e+04 / 62
p0 105.8 ± 0.09752
130
120
110
100
90
80
70
60
50

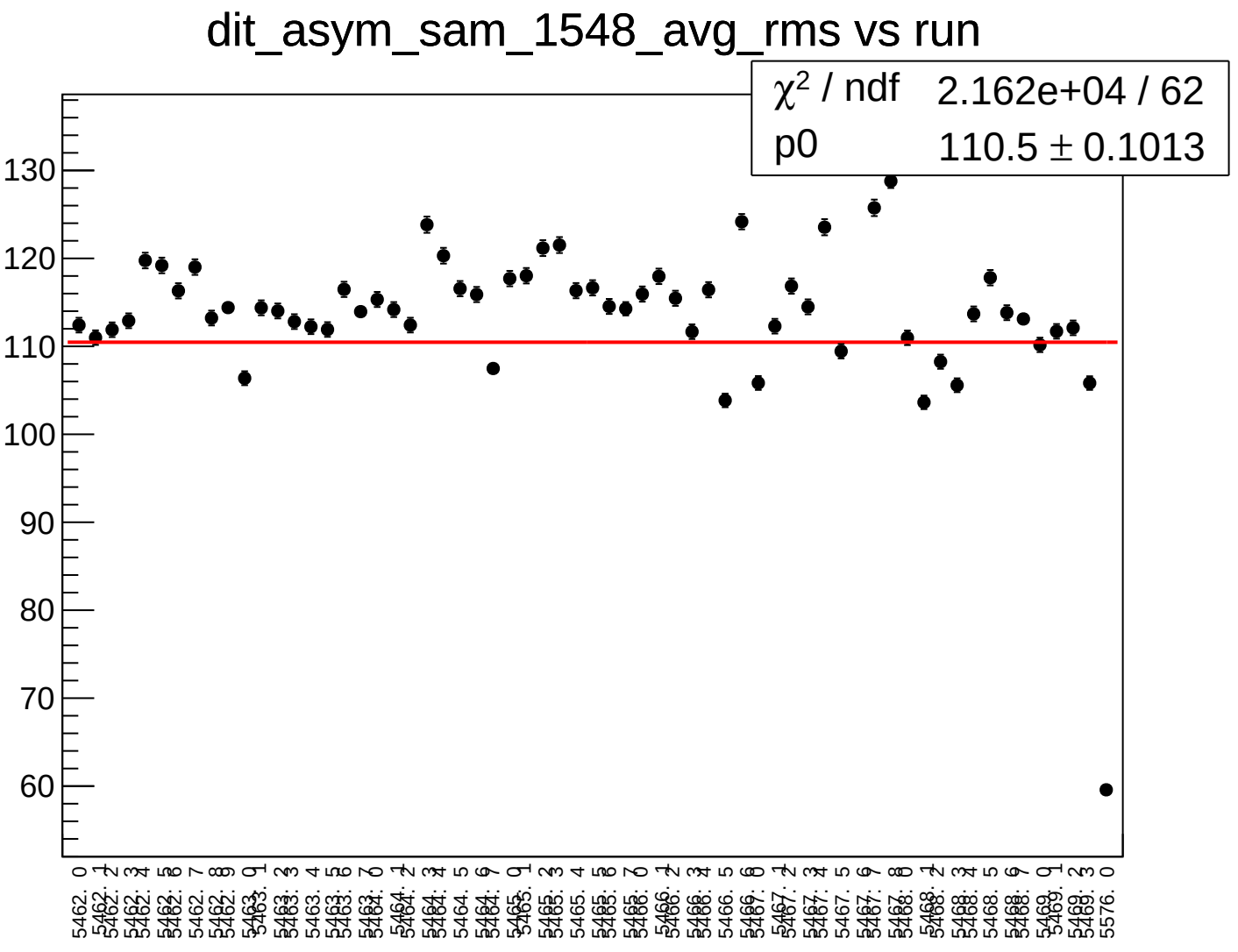

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.93 / 62
p0 733.4 ± 725.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −43.63
Std Dev 0
2
1
0
−1
−2

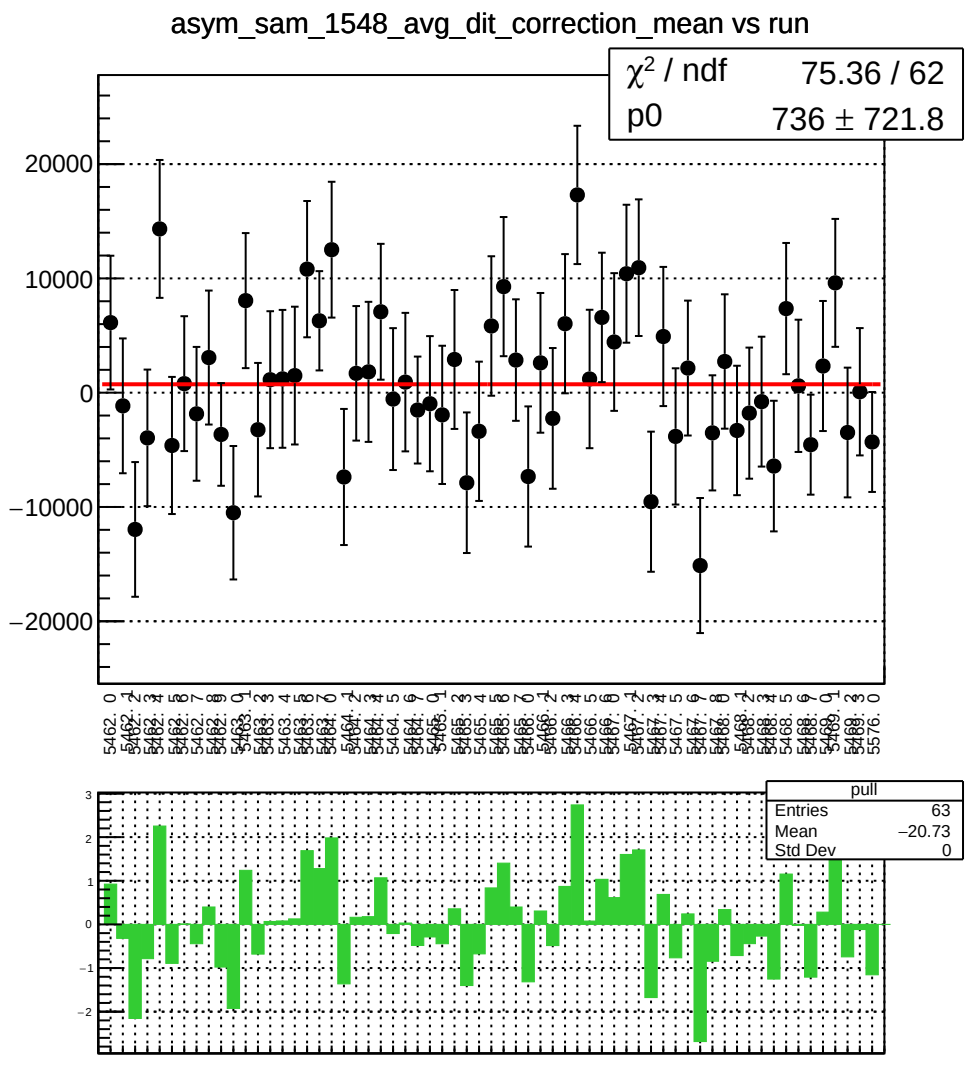

pull1D
Entries 63
Mean 0.009923
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

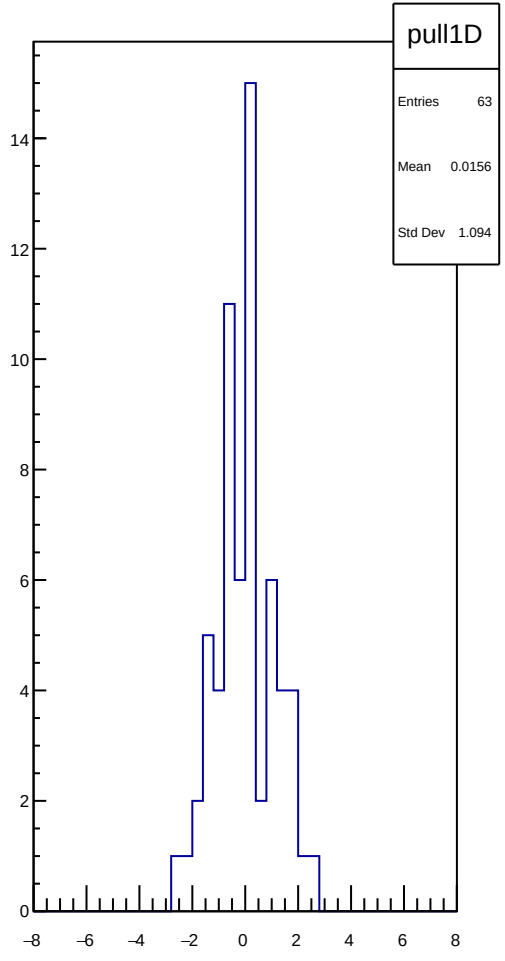

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1952 / 62
p0 564 ± 0.513
640
620
600
580
560
540
520
500
480
460

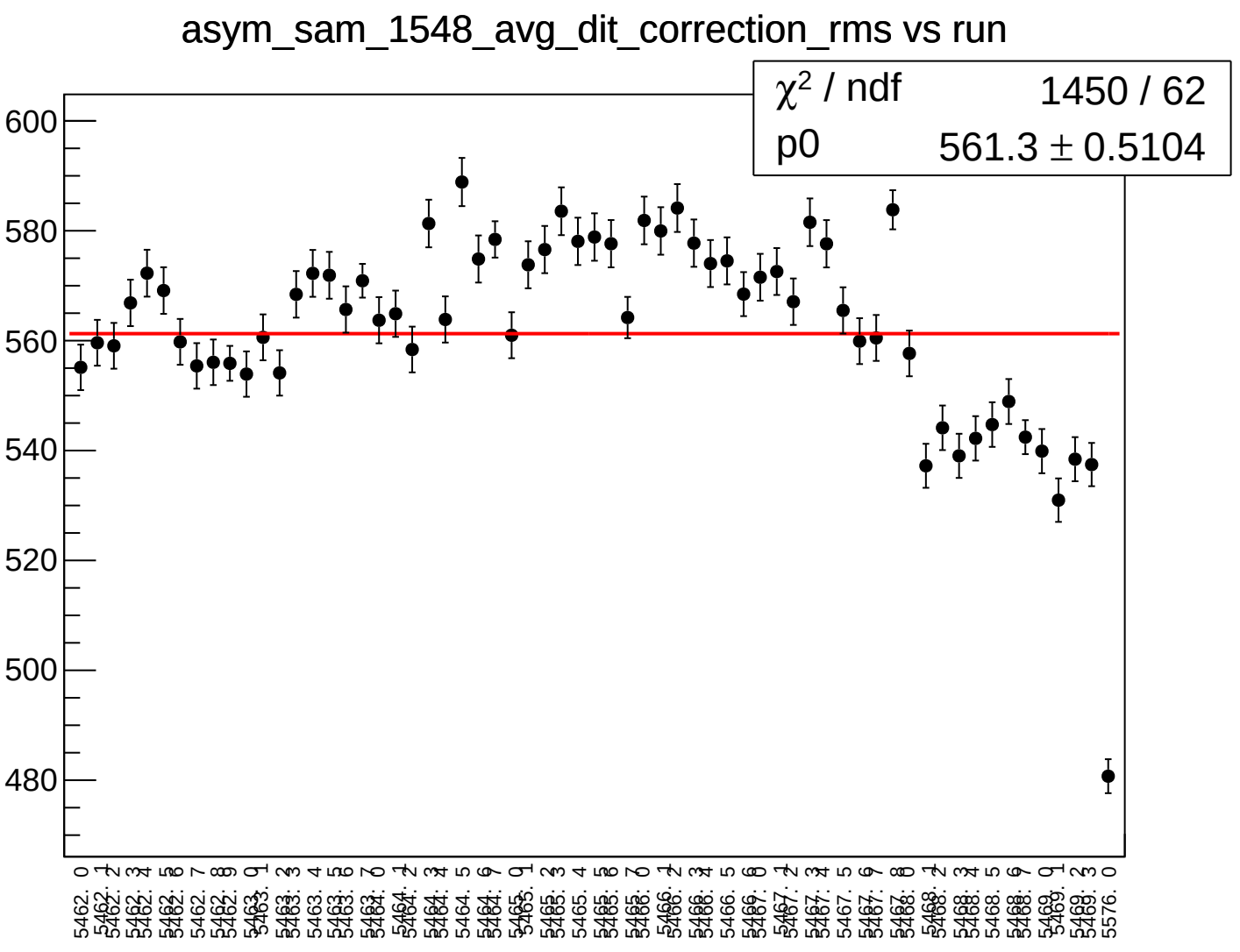

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 59.49 / 62
p0 184.3 ± 143.3
pull
Entries 63
Mean 83.76
Std Dev 0

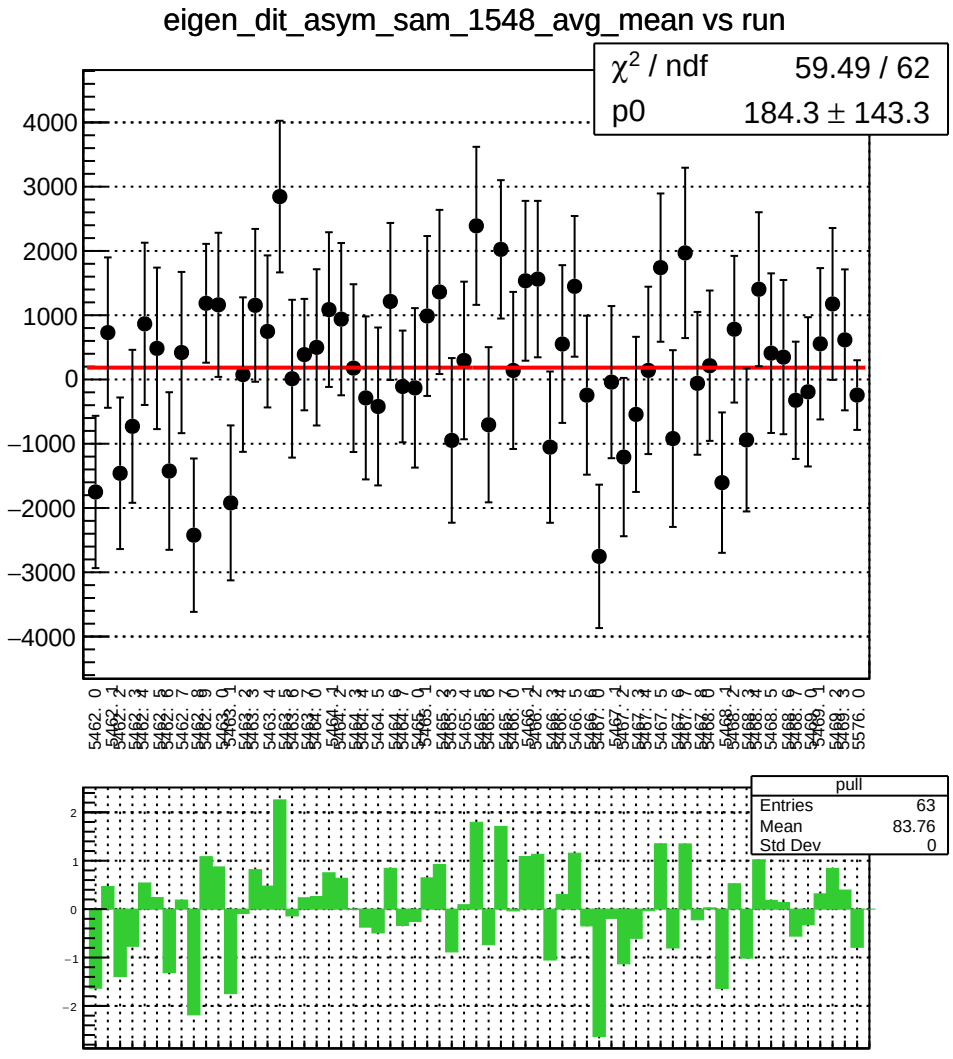

pull1D
Entries 63
Mean 0.01456
Std Dev 0.9716

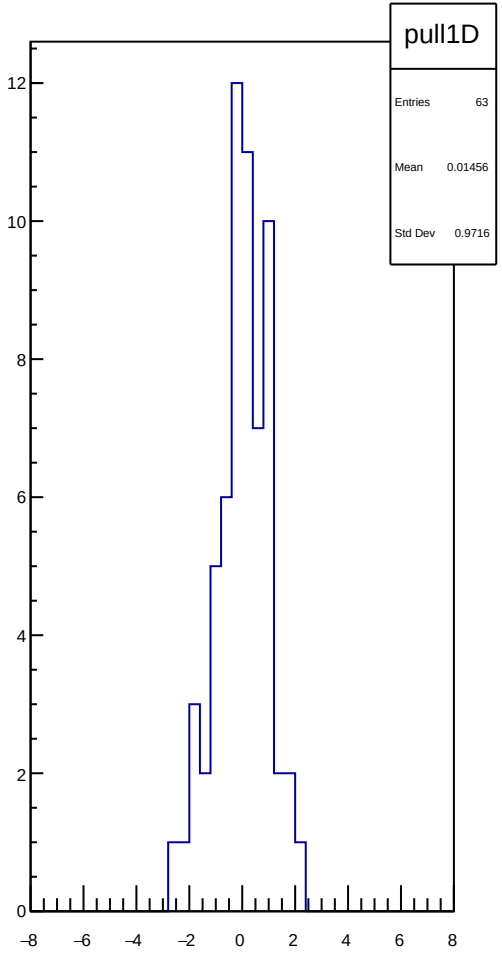

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.162e+04 / 62
p0 110.5 ± 0.1013
130
120
110
100
90
80
70
60

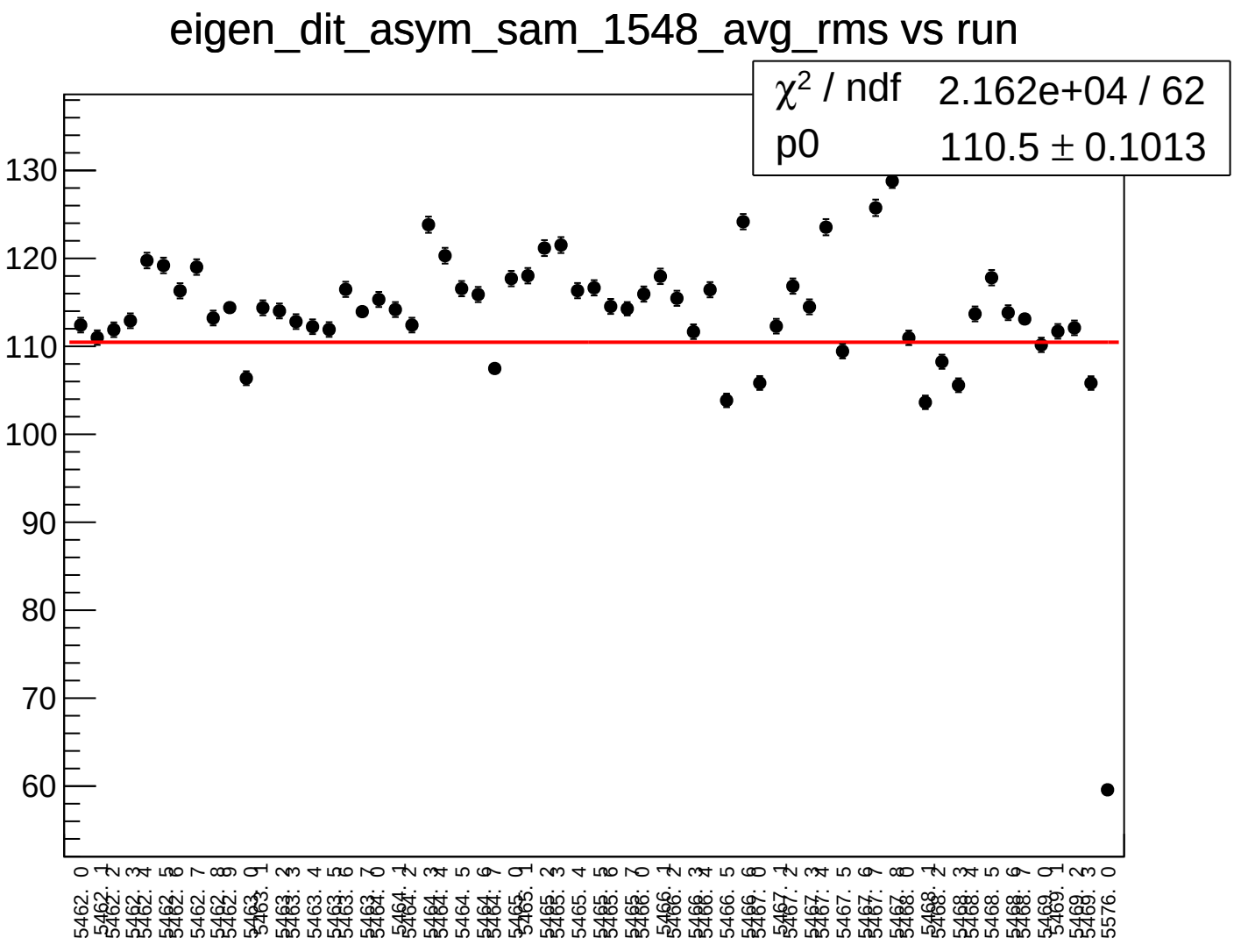

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 75.36 / 62
p0 736 ± 721.8
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −20.73
Std Dev 0
3
2
1
0
−1
−2

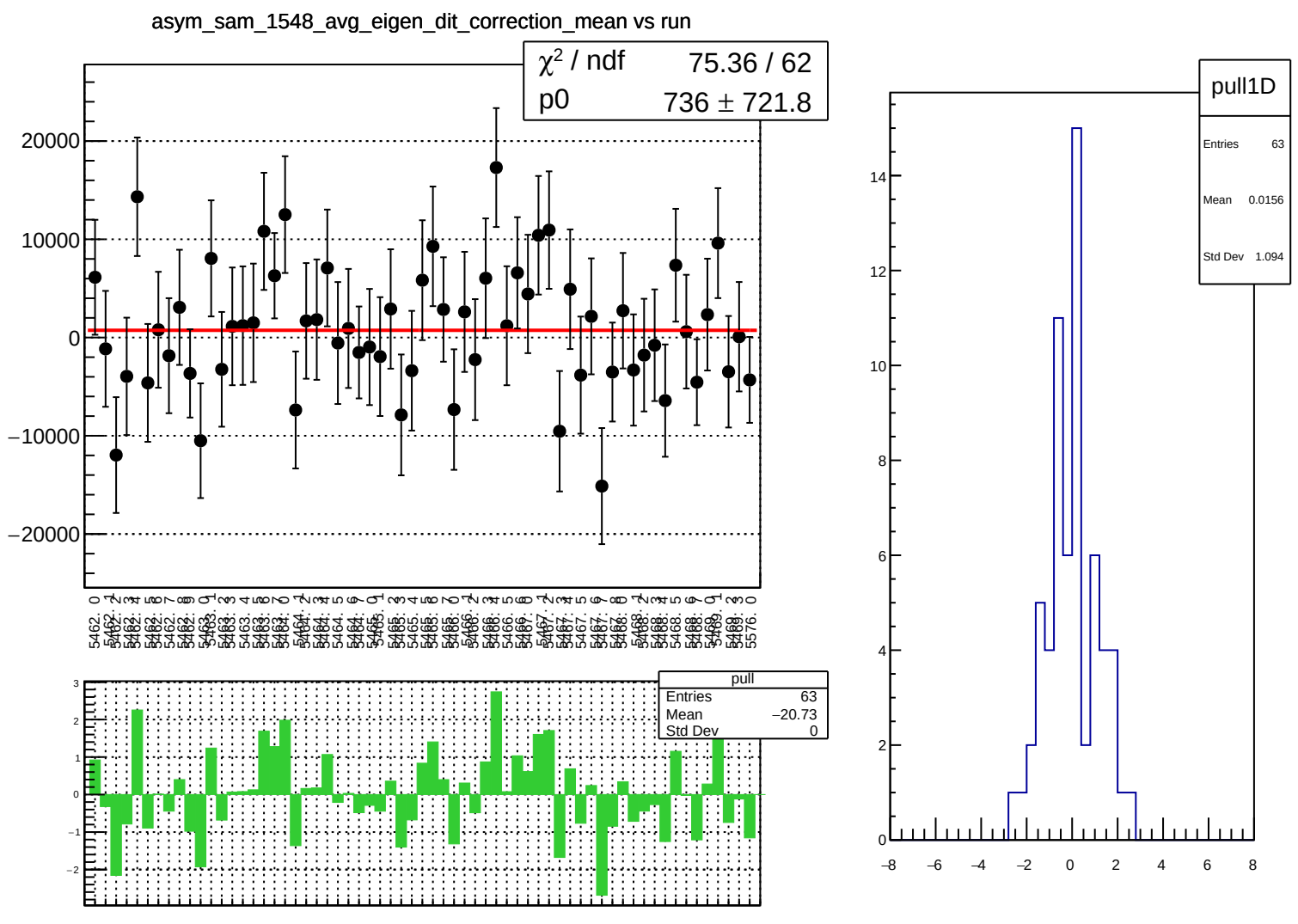

pull1D
Entries 63
Mean 0.0156
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

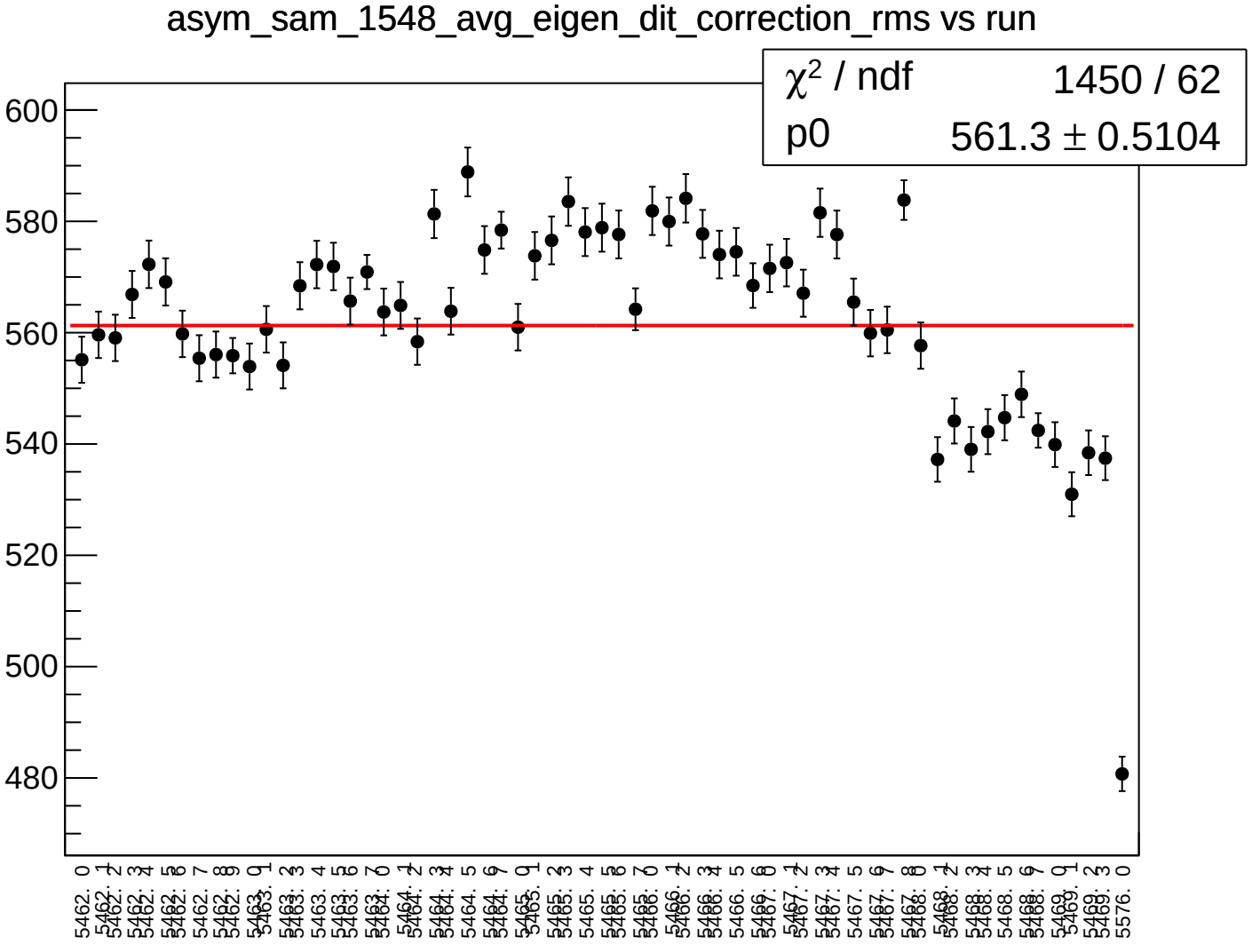

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1450 / 62
p0 561.3 ± 0.5104
600
580
560
540
520
500
480

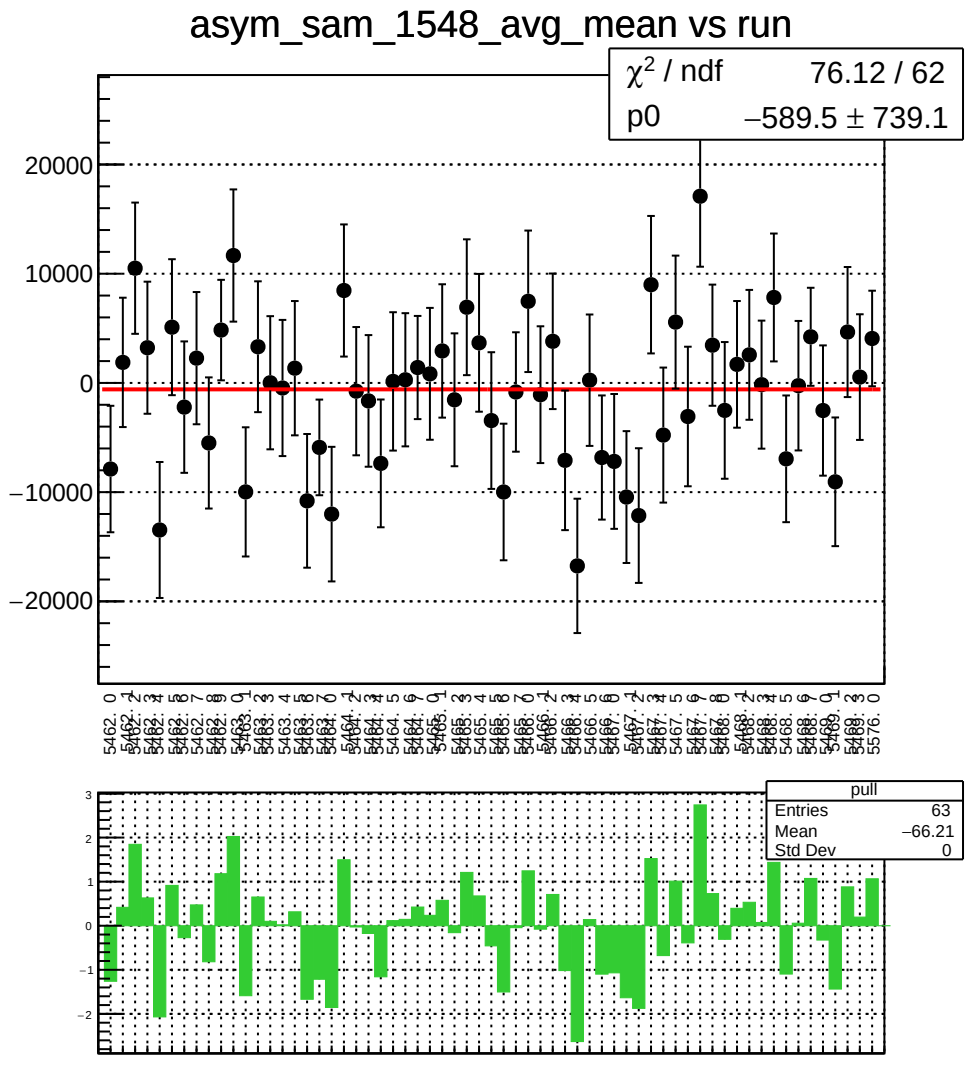

eigen_dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 59.49 / 62
p0 184.3 ± 143.3
pull
Entries 63
Mean 83.76
Std Dev 0

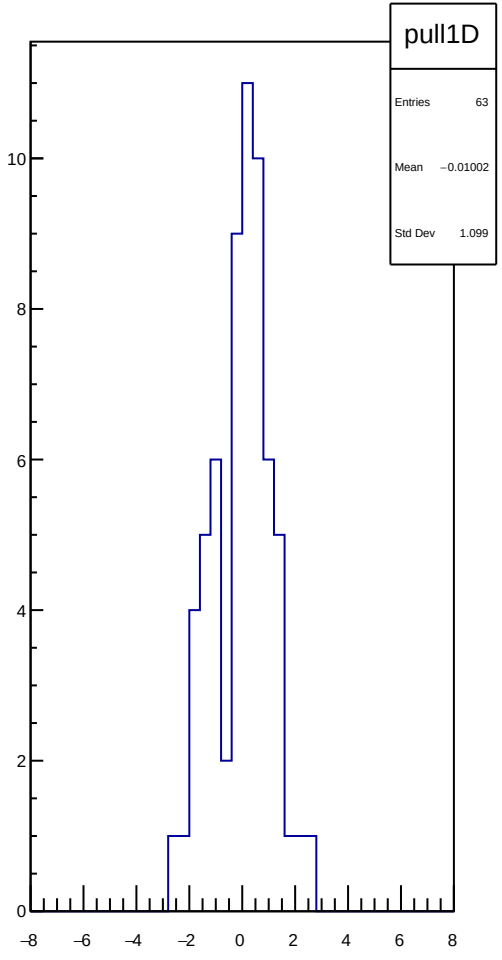

pull1D
Entries 63
Mean 0.01456
Std Dev 0.9716

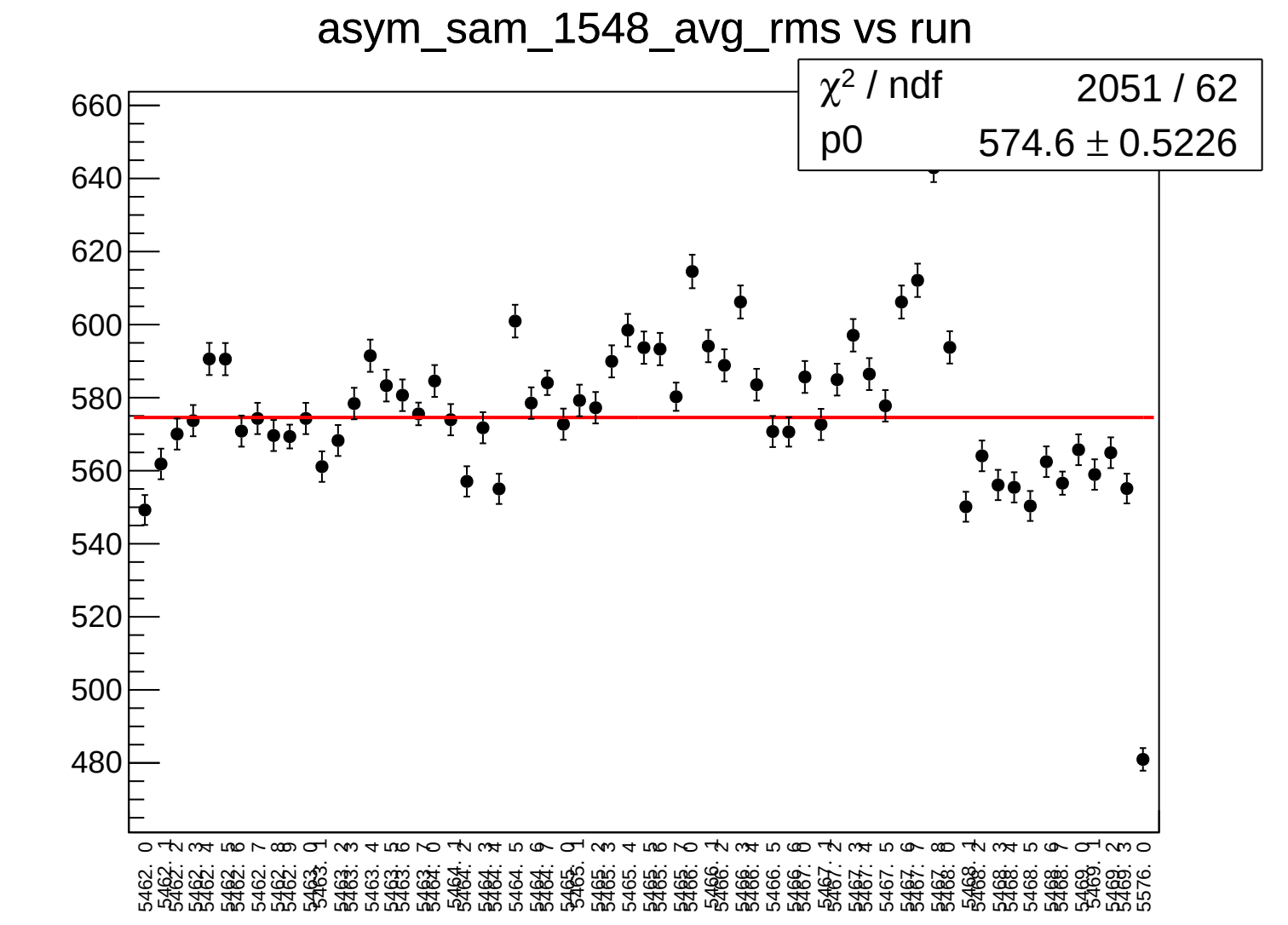

eigen_dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.162e+04 / 62
p0 110.5 ± 0.1013
130
120
110
100
90
80
70
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

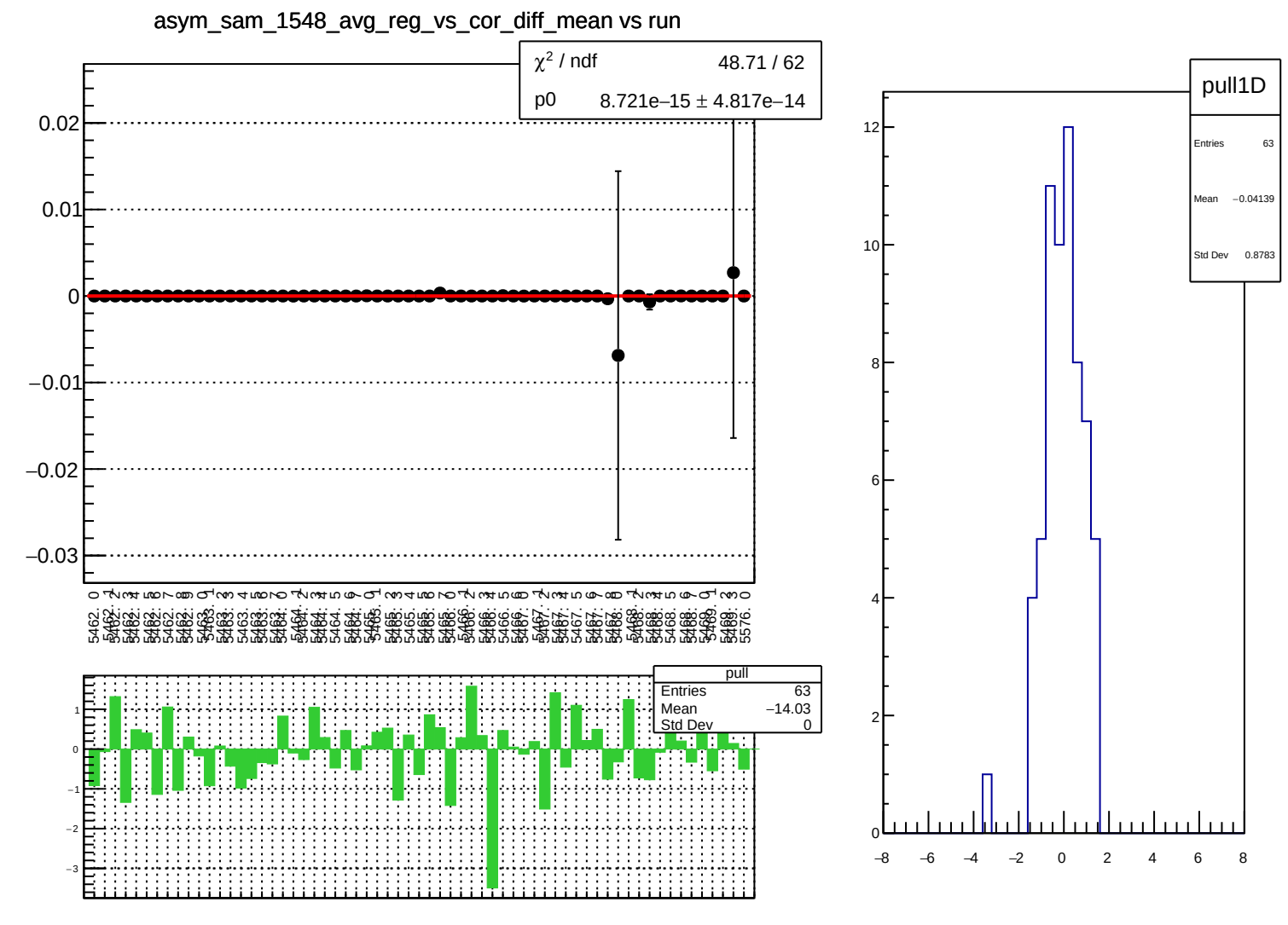

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.36 / 62
p0 736 ± 721.8
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −20.73
Std Dev 0
pull1D
Entries 63
Mean 0.0156
Std Dev 1.094

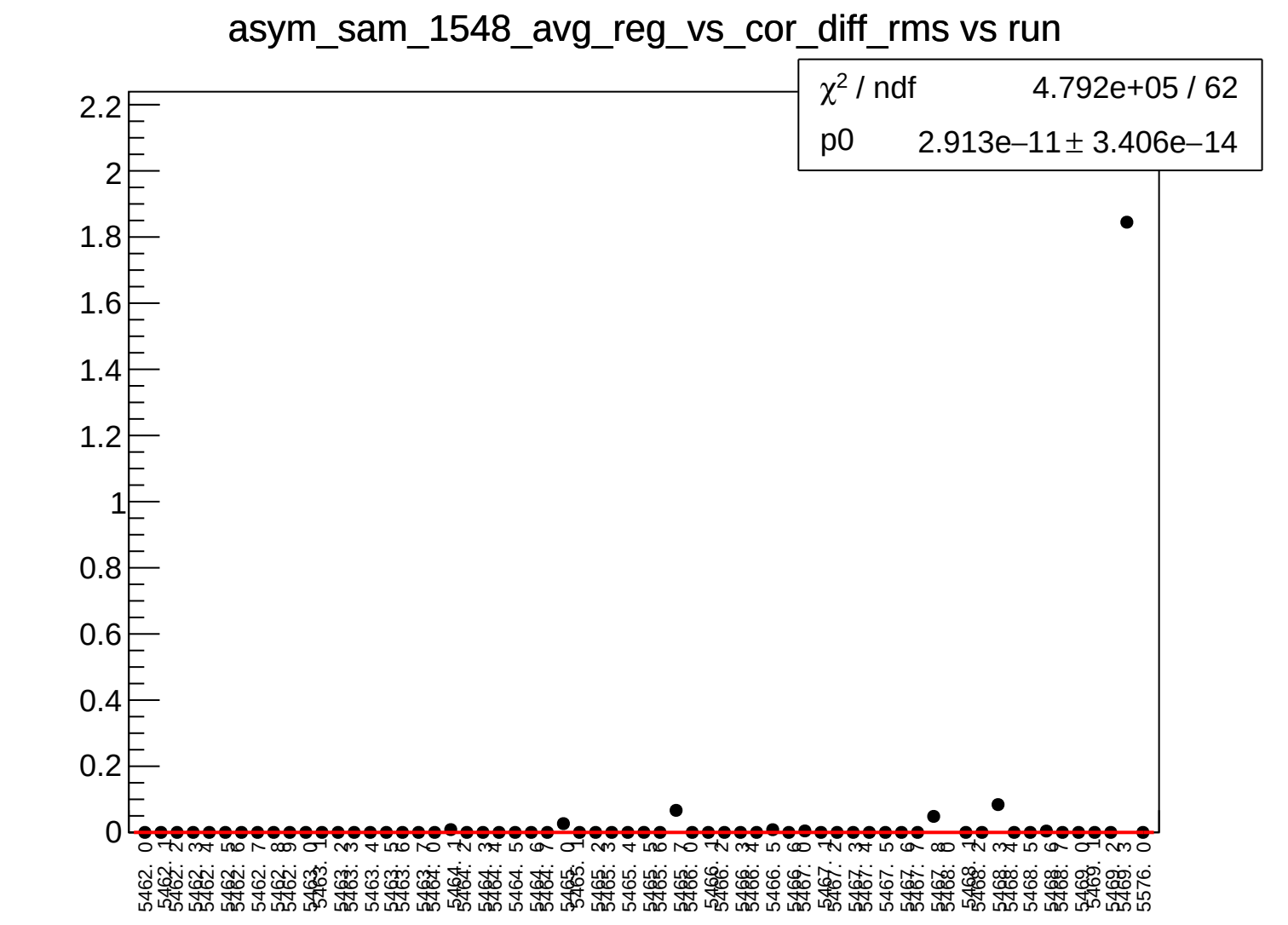

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1450 / 62
p0 561.3 ± 0.5104
600
580
560
540
520
500
480


asym_sam_1548_avg_mean vs run
χ² / ndf 76.12 / 62
p0 −589.5 ± 739.1
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −66.21
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean −0.01002
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_rms vs run
χ² / ndf 2051 / 62
p0 574.6 ± 0.5226
660
640
620
600
580
560
540
520
500
480


asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.71 / 62
p0 8.721e−15 ± 4.817e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 63
Mean −14.03
Std Dev 0
pull1D
Entries 63
Mean −0.04139
Std Dev 0.8783
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 4.792e+05 / 62
p0 2.913e−11 ± 3.406e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 8
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
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5466. 5
5466. 6
5466. 7
5467. 0
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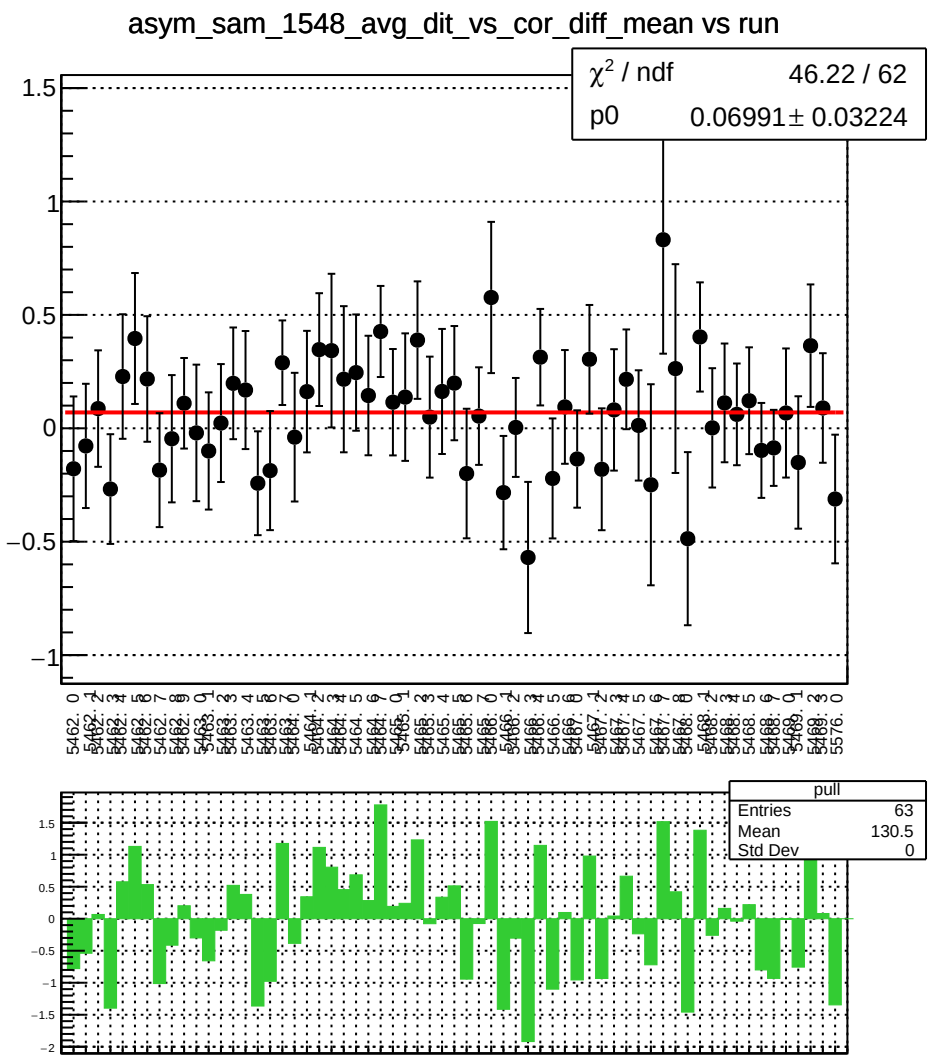
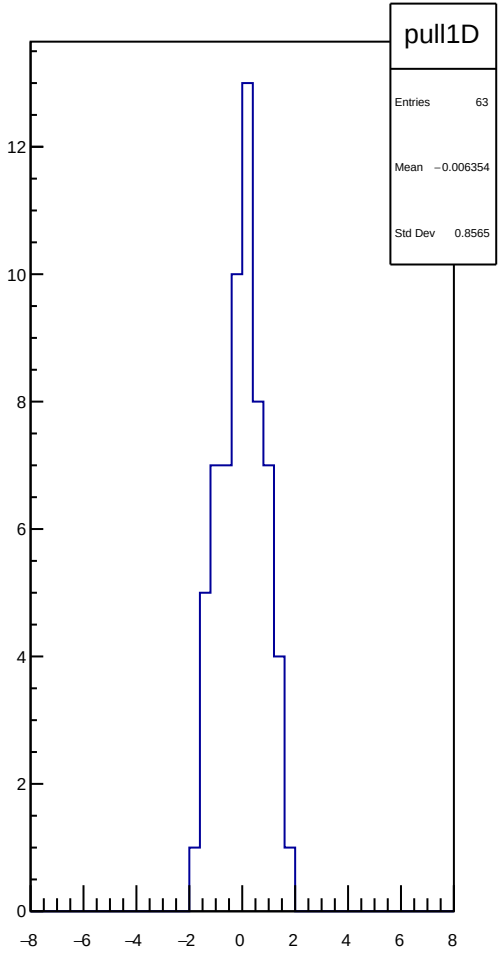
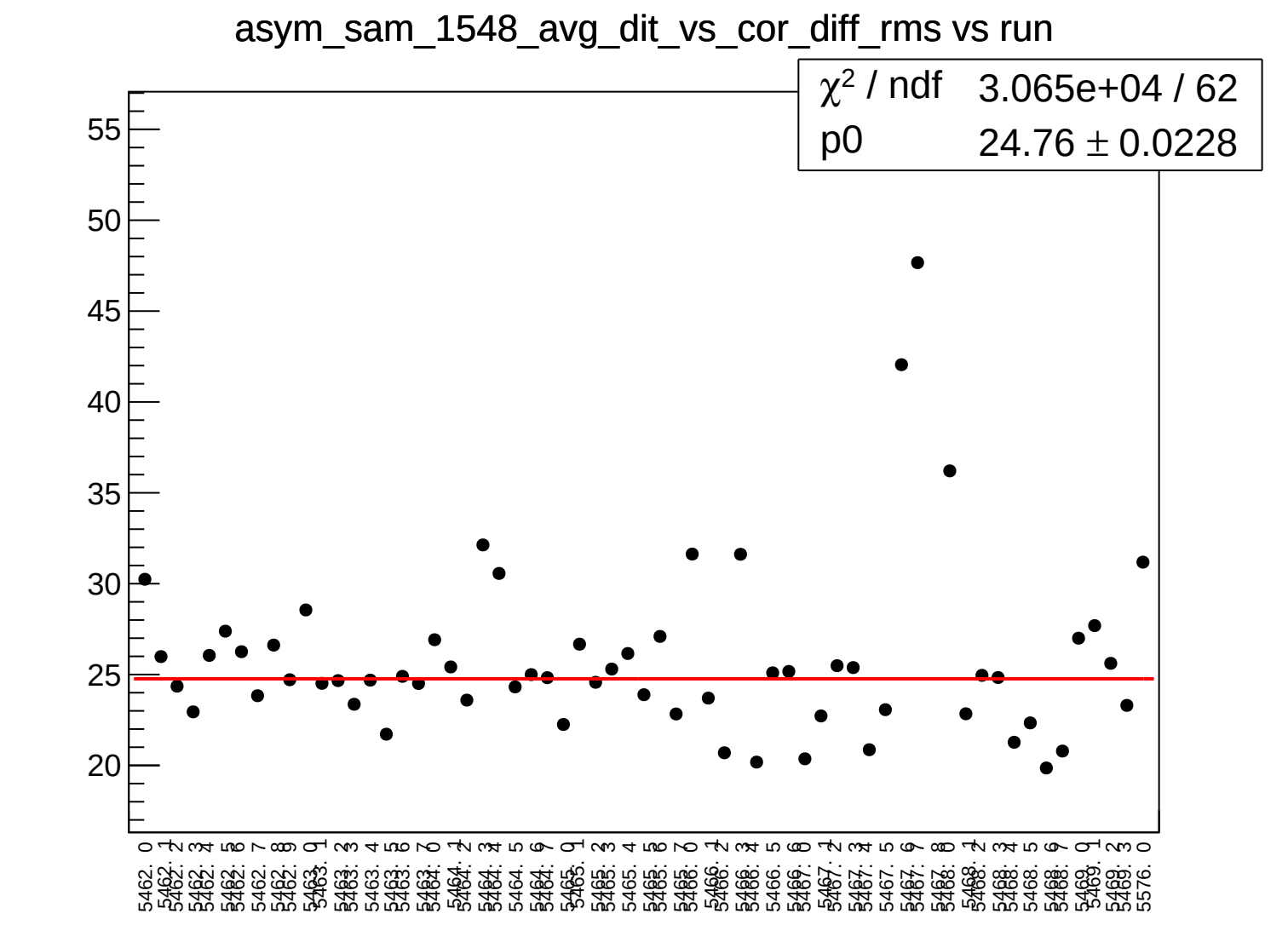
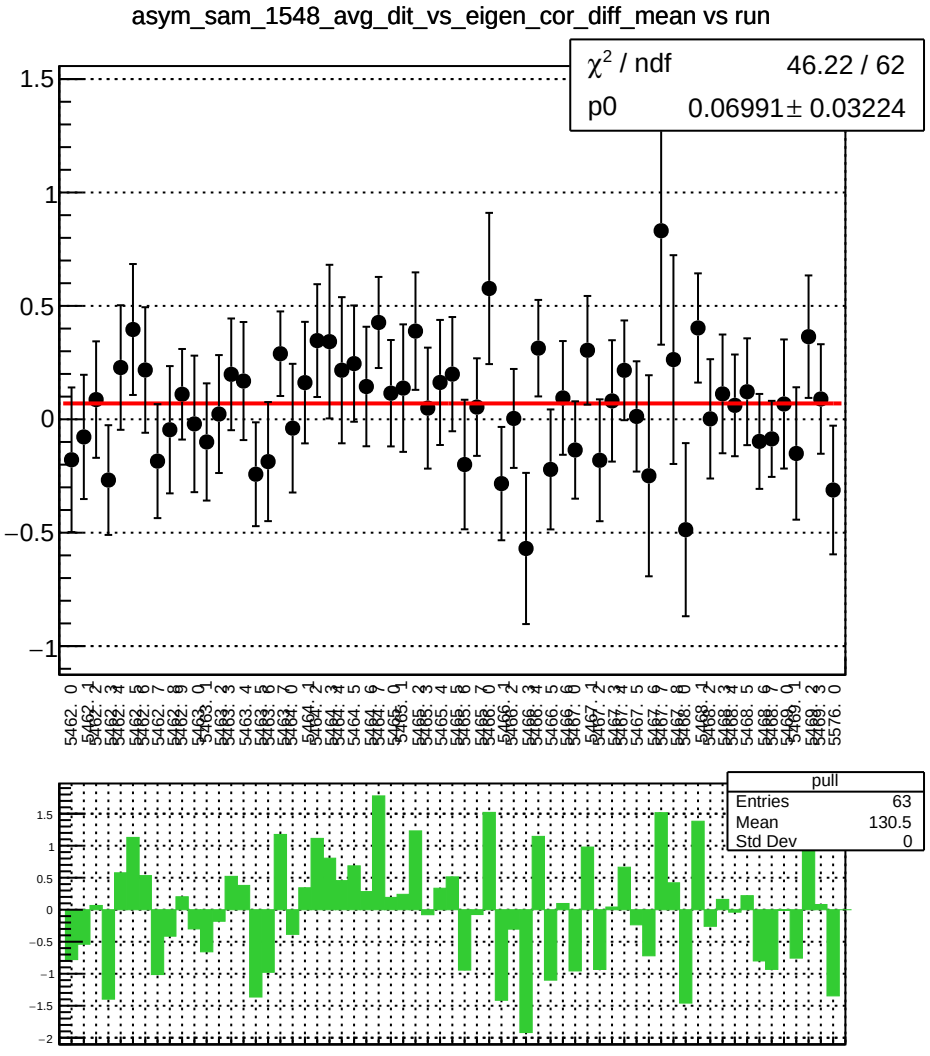
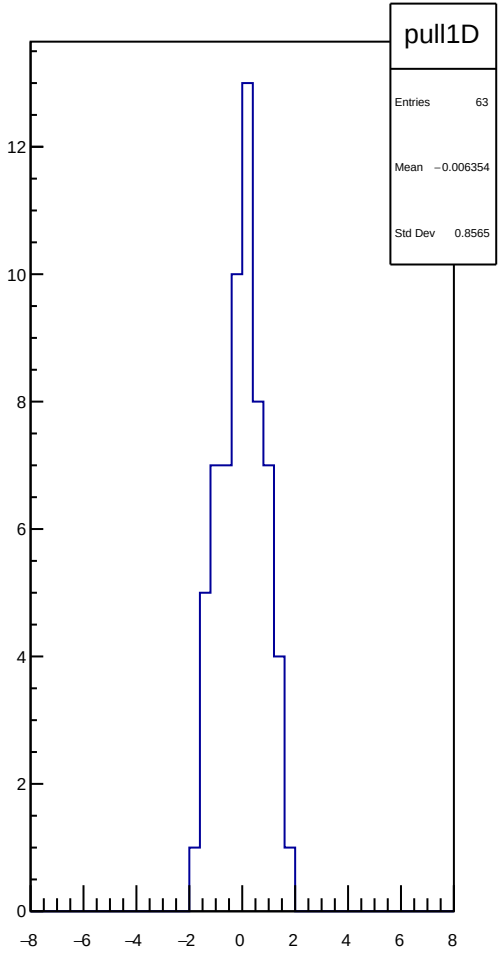
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5468. 8
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

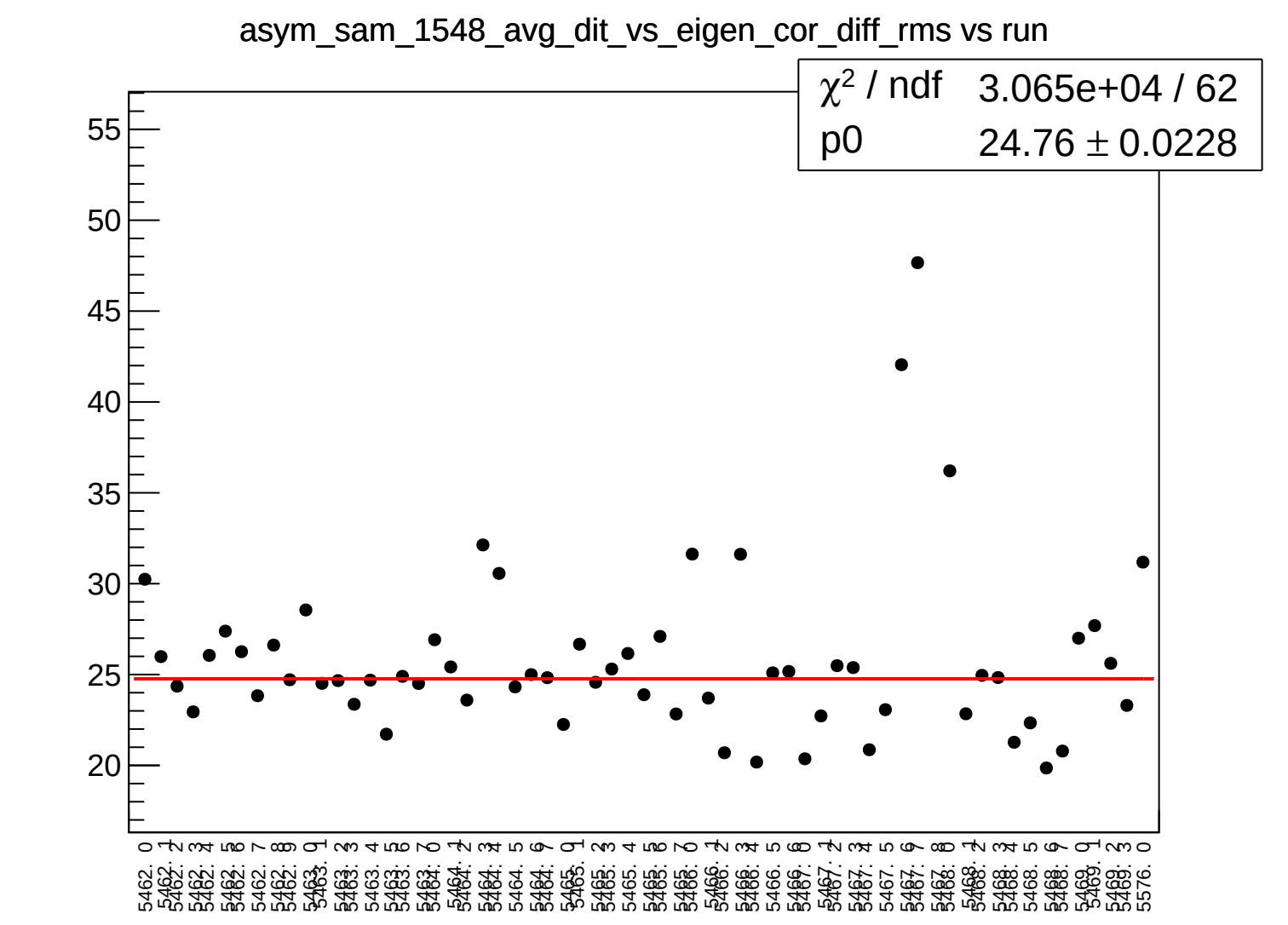

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.22 / 62
p0 0.06991 ± 0.03224
pull
Entries 63
Mean 130.5
Std Dev 0

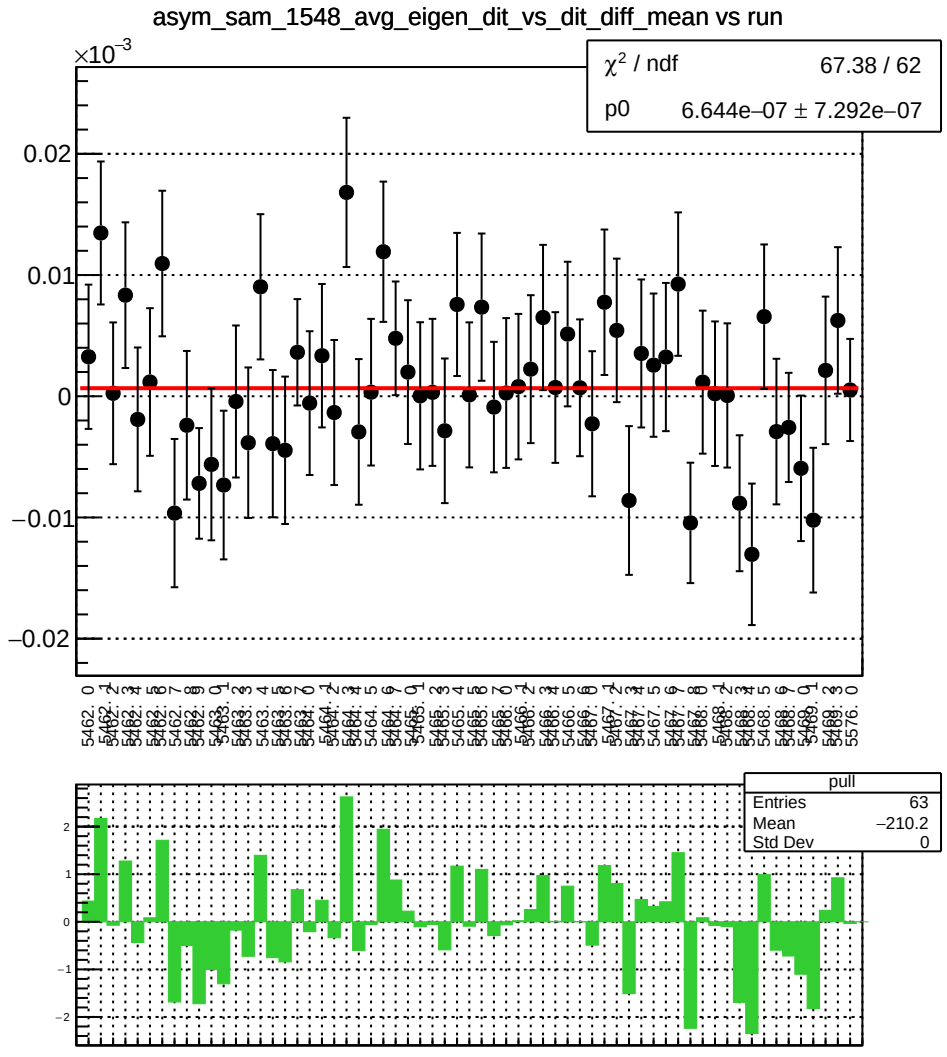

pull1D
Entries 63
Mean −0.006354
Std Dev 0.8565

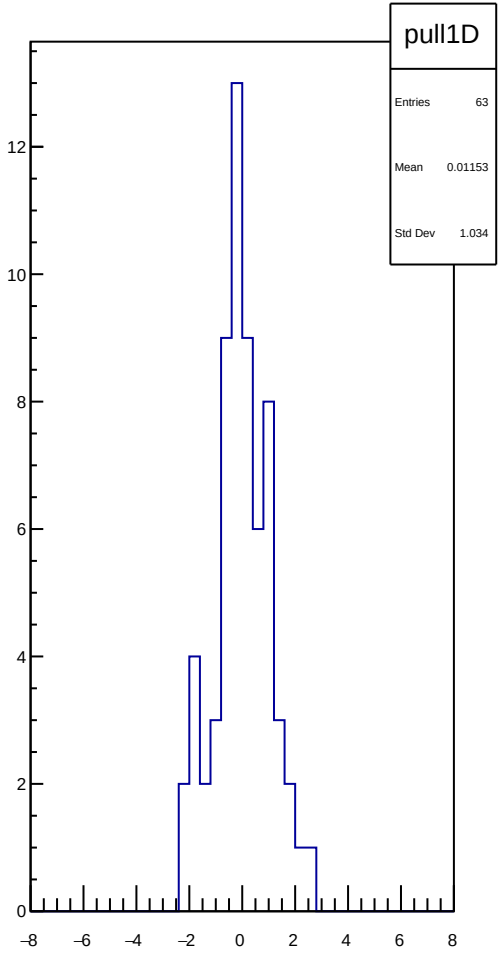

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.065e+04 / 62
p0 24.76 ± 0.0228
55
50
45
40
35
30
25
20

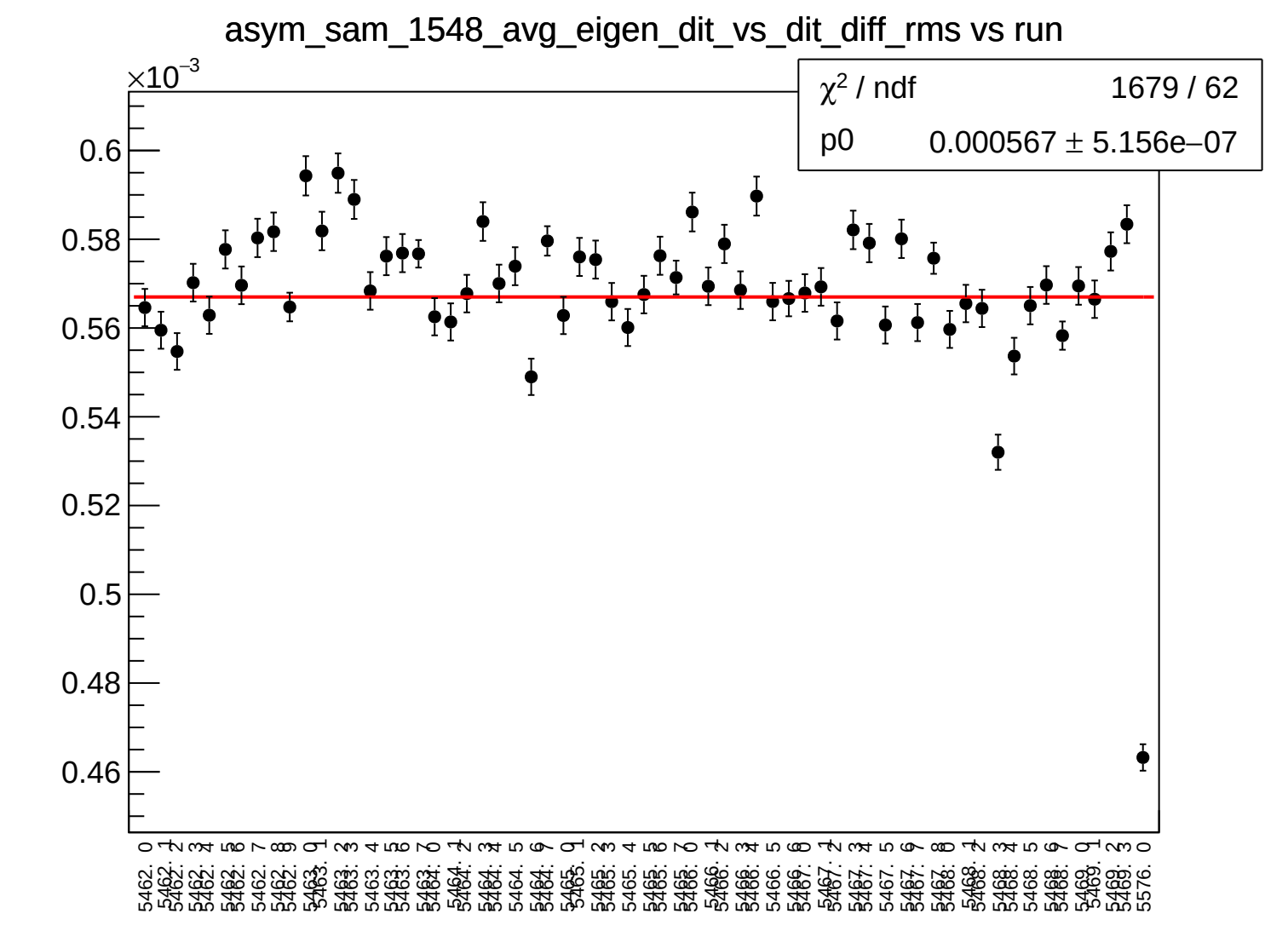

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.22 / 62
p0 0.06991 ± 0.03224
pull
Entries 63
Mean 130.5
Std Dev 0

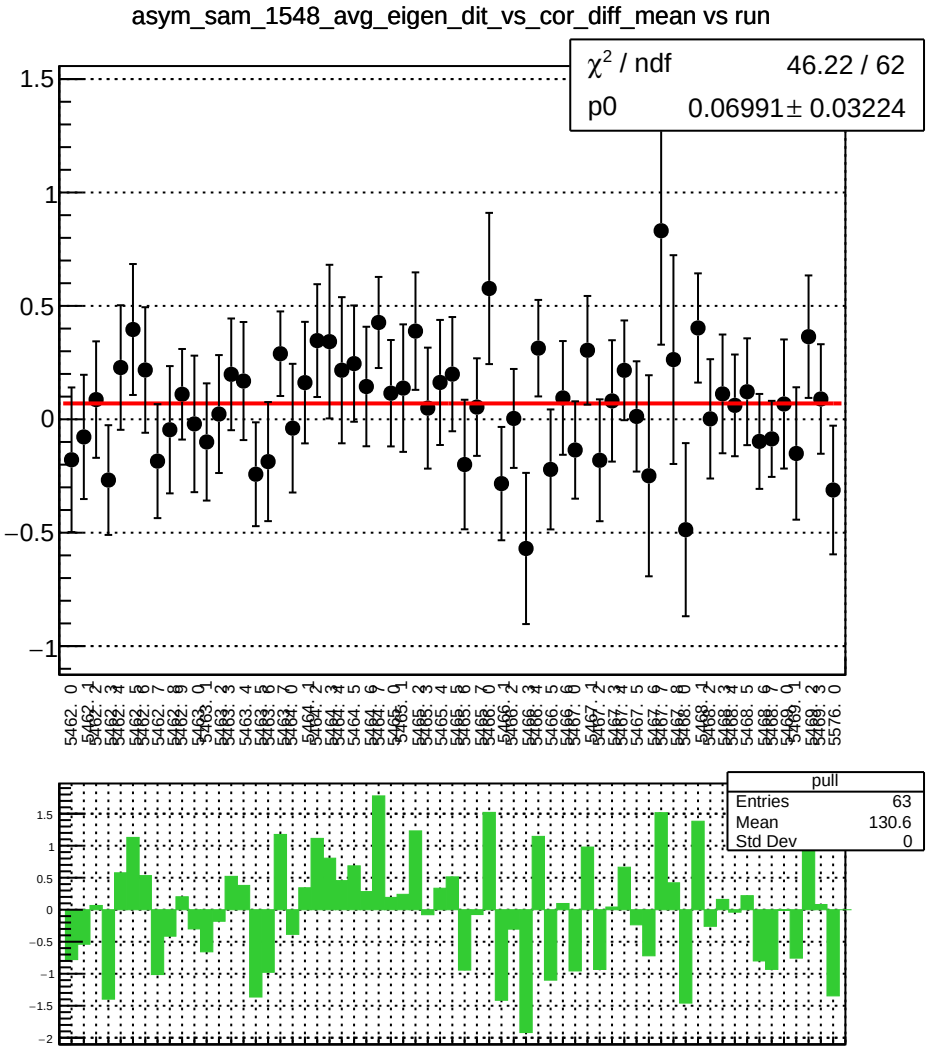

pull1D
Entries 63
Mean −0.006354
Std Dev 0.8565

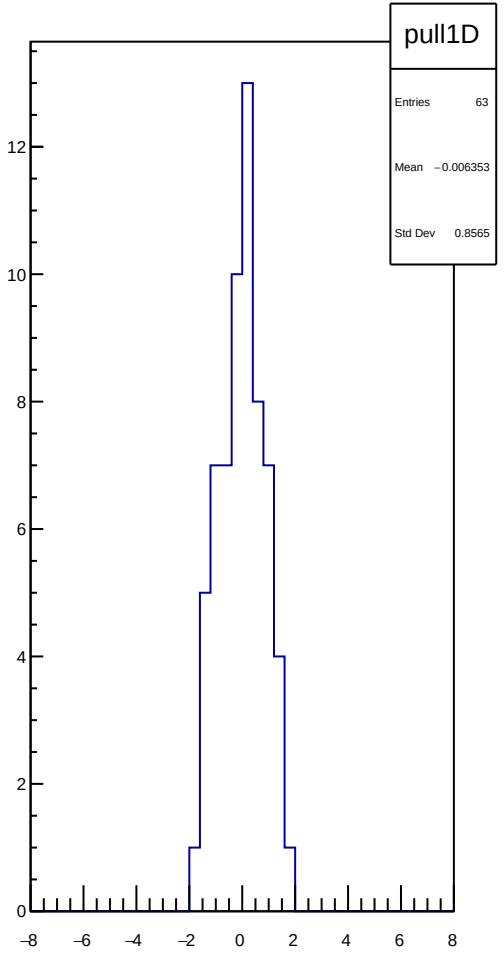

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.065e+04 / 62
p0 24.76 ± 0.0228
55
50
45
40
35
30
25
20

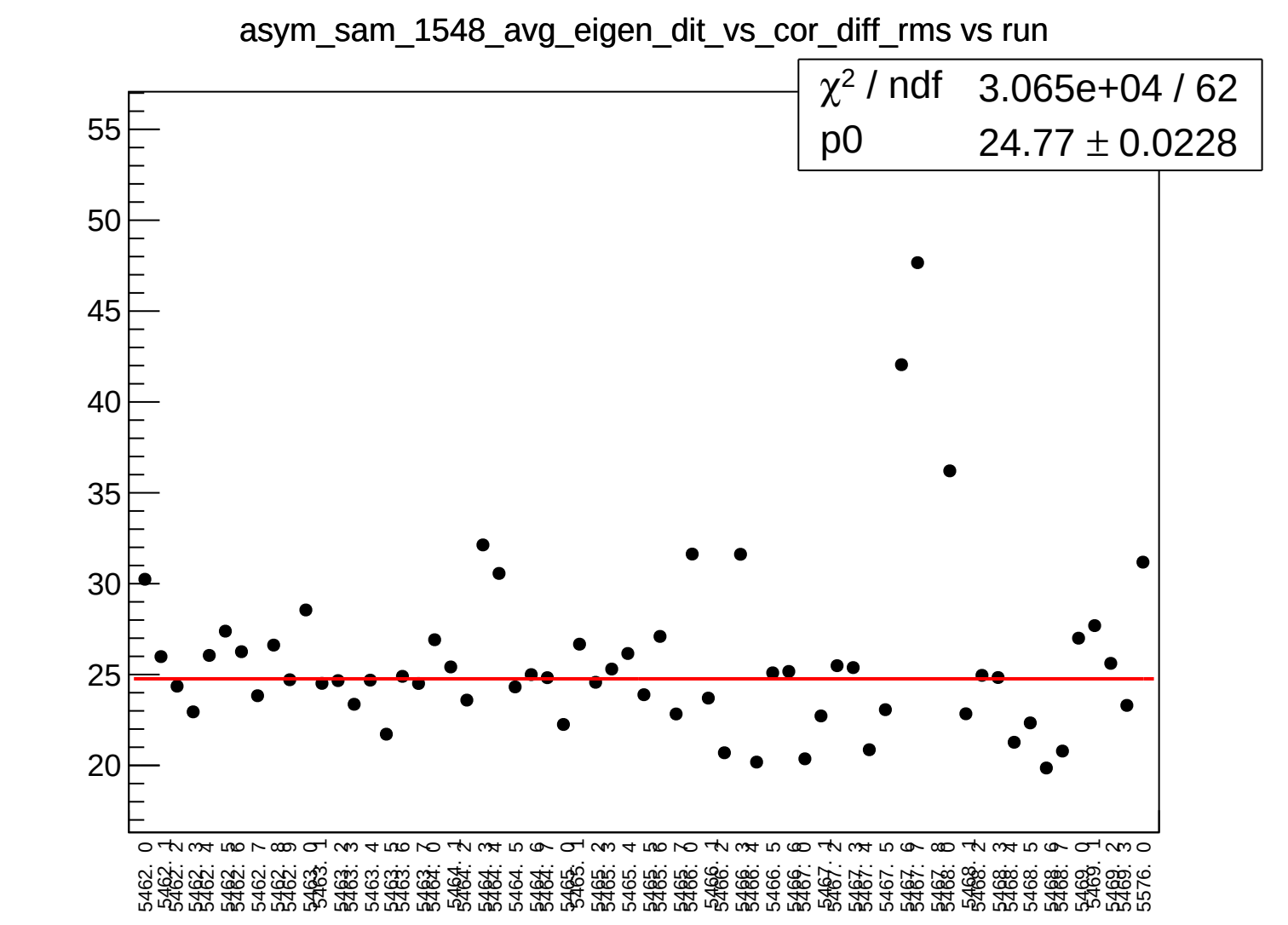

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.38 / 62
p0 6.644e−07 ± 7.292e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 63
Mean −210.2
Std Dev 0
2
1
0
−1
−2

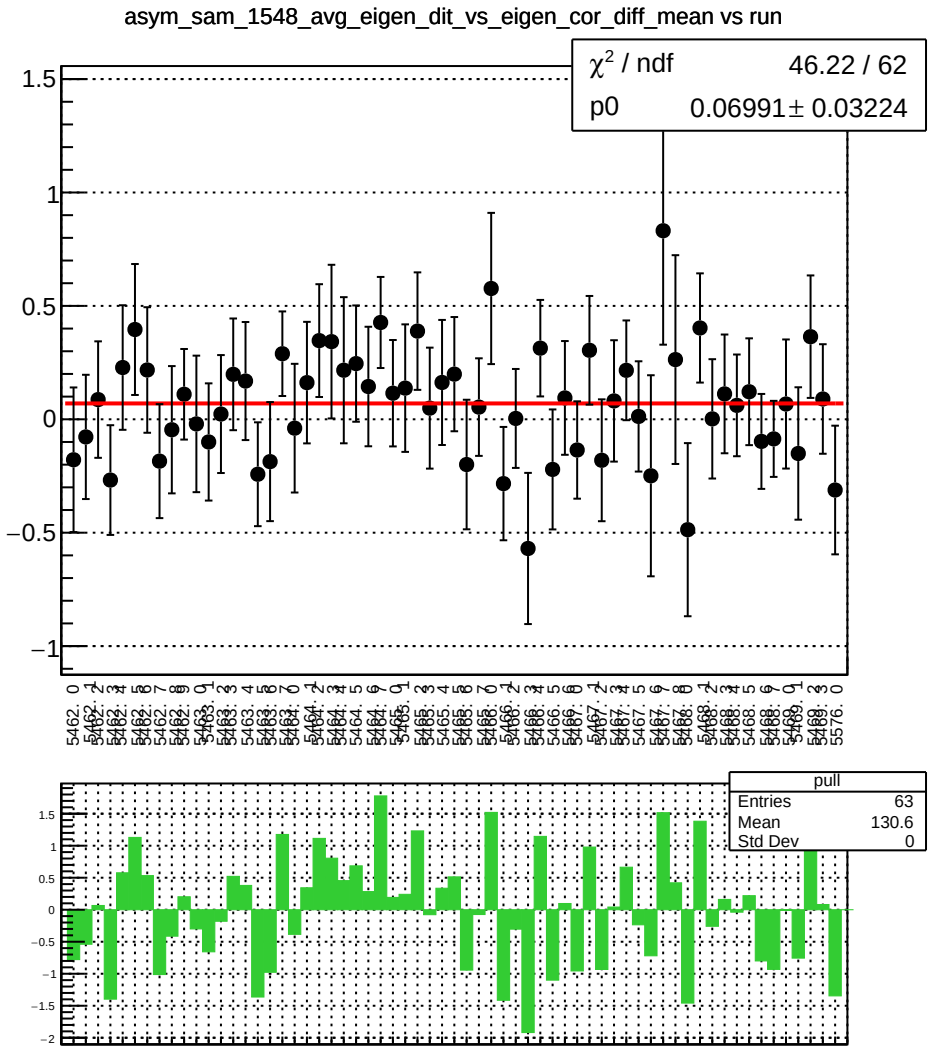

pull1D
Entries 63
Mean 0.01153
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

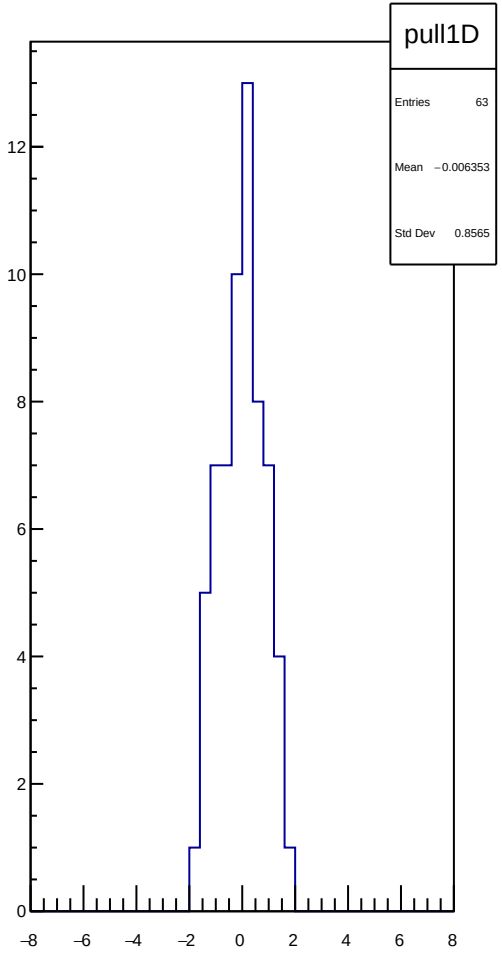

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1679 / 62
p0 0.000567 ± 5.156e−07
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46

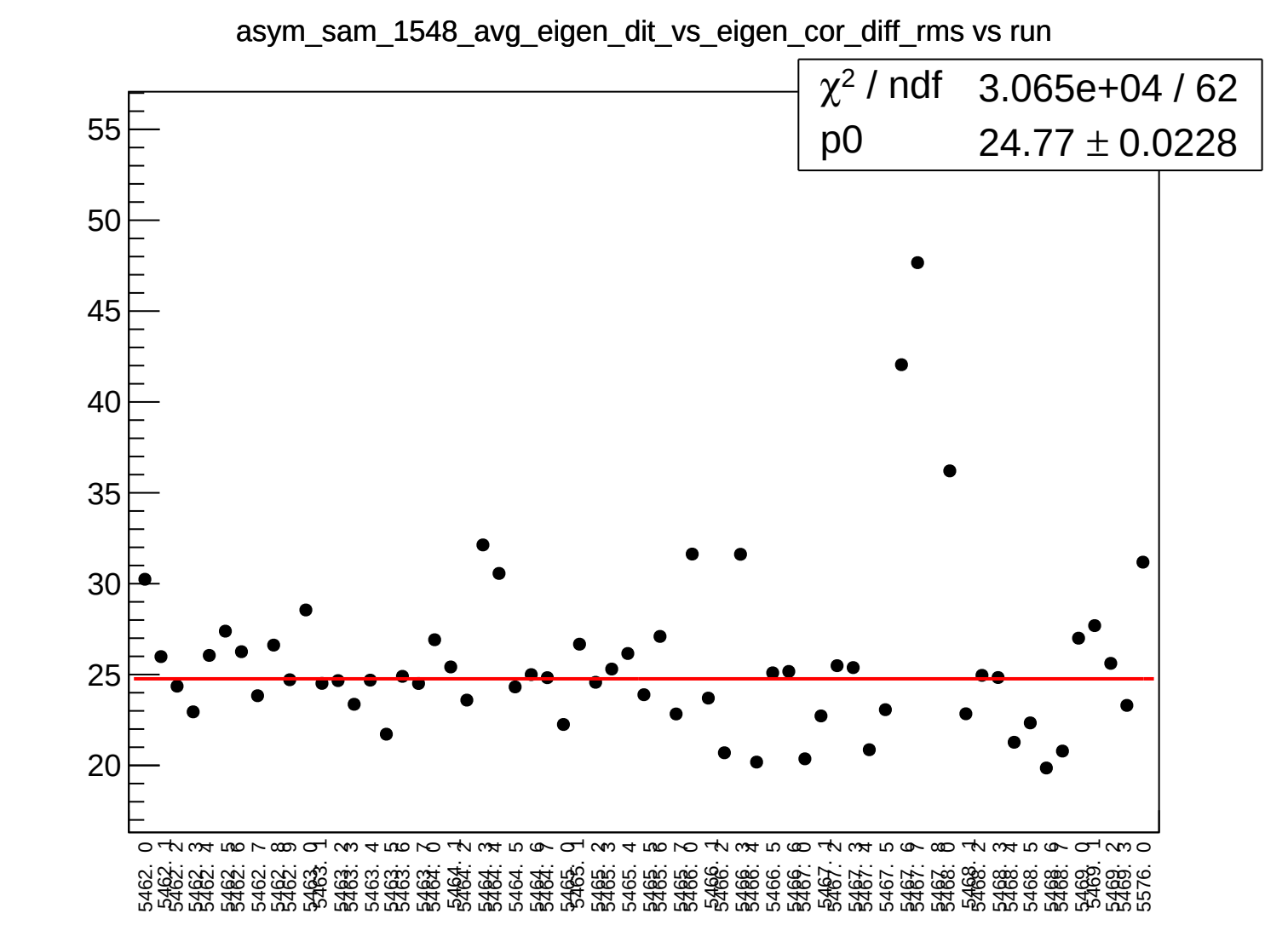

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.22 / 62
p0 0.06991 ± 0.03224
pull
Entries 63
Mean 130.6
Std Dev 0

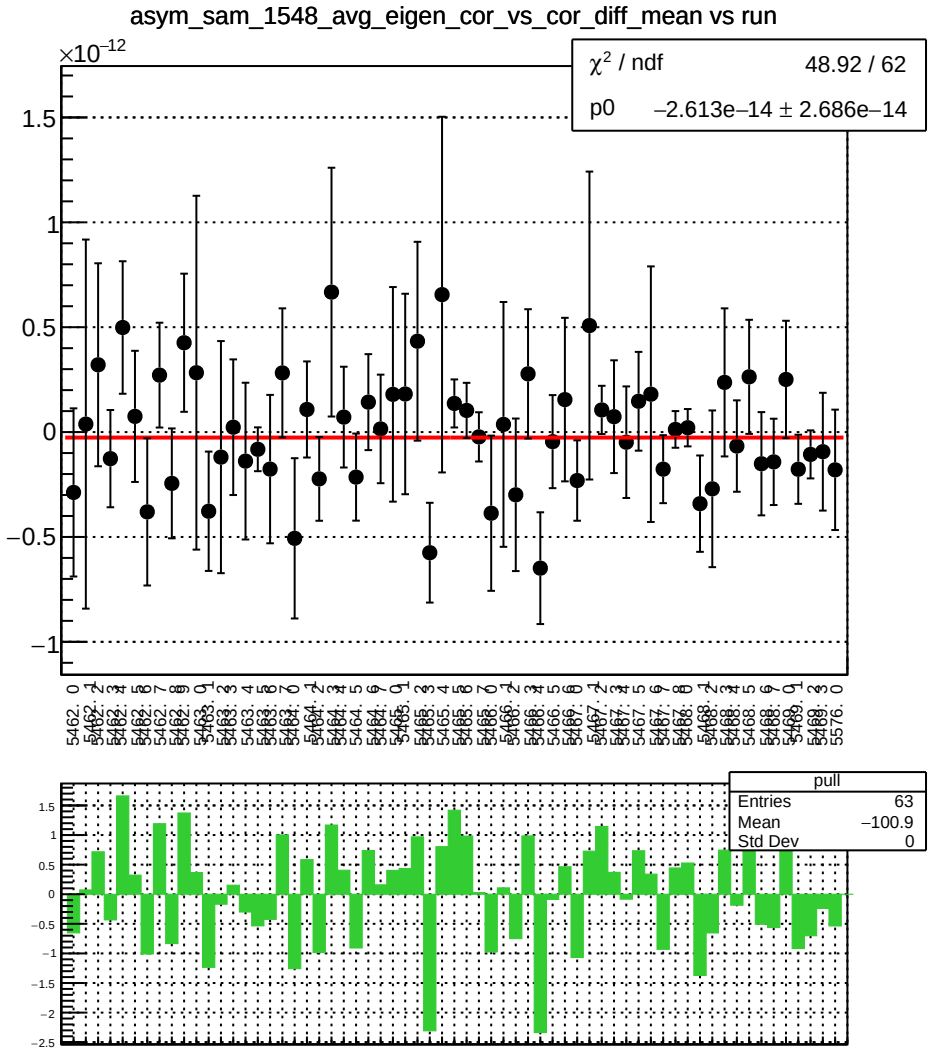

pull1D
Entries 63
Mean −0.006353
Std Dev 0.8565

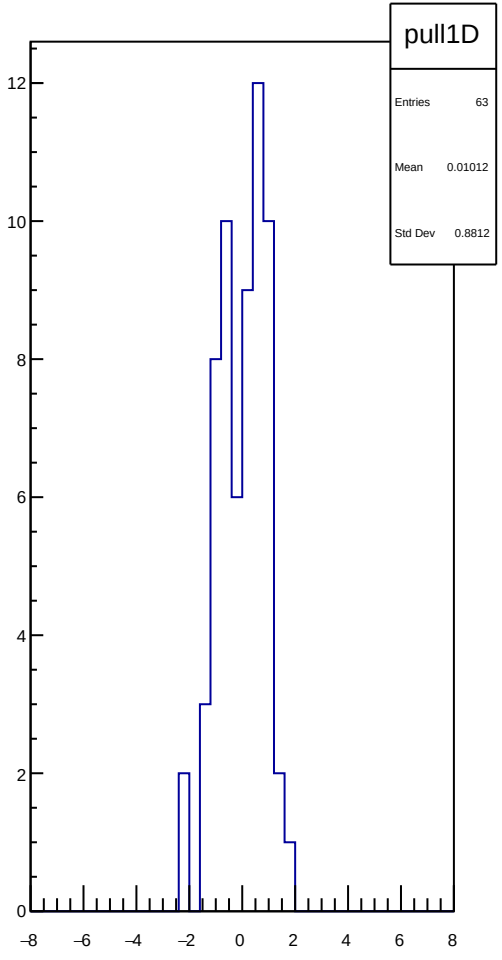

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.065e+04 / 62
p0 24.77 ± 0.0228
55
50
45
40
35
30
25
20

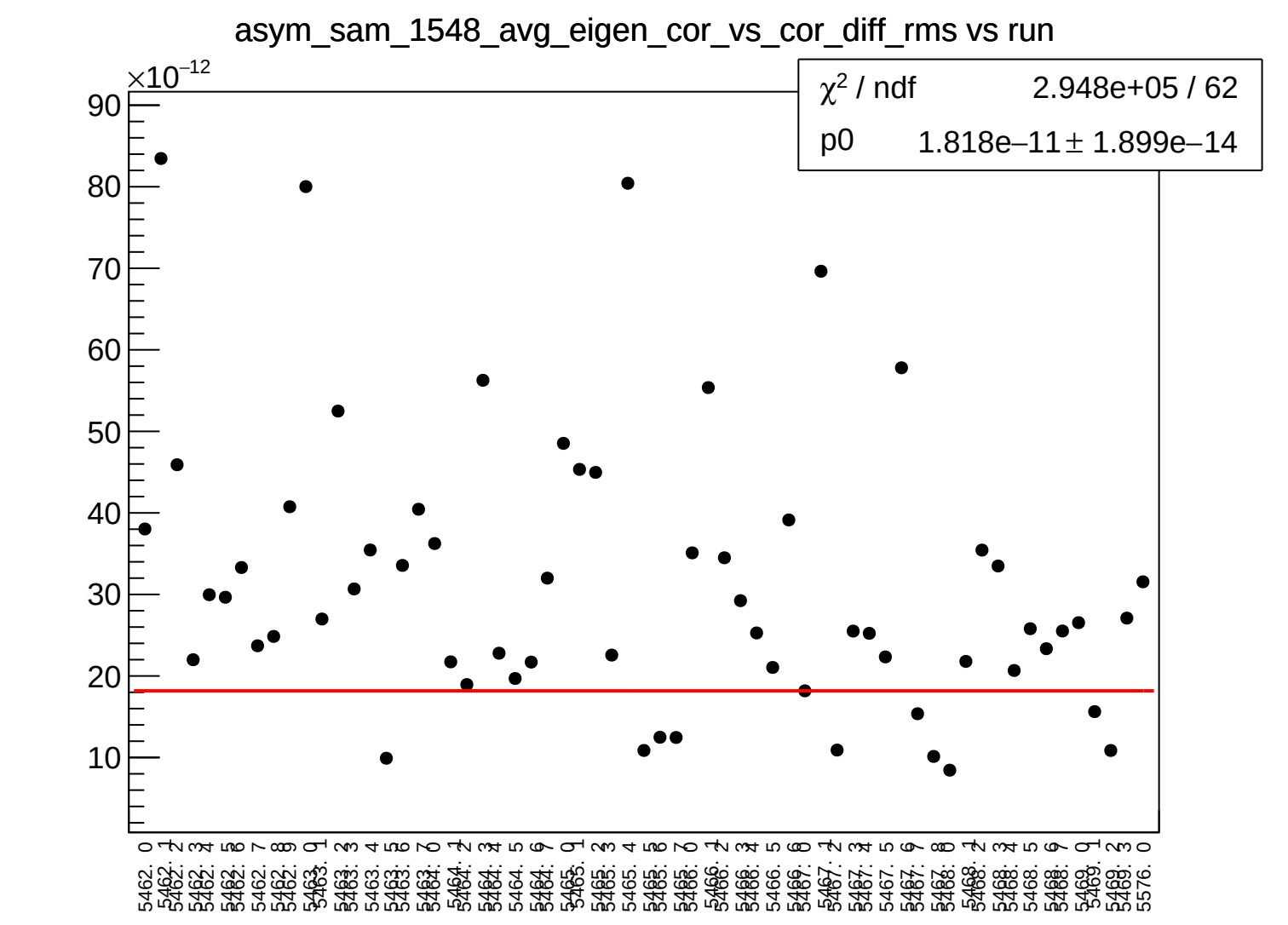

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.22 / 62
p0 0.06991 ± 0.03224
pull
Entries 63
Mean 130.6
Std Dev 0

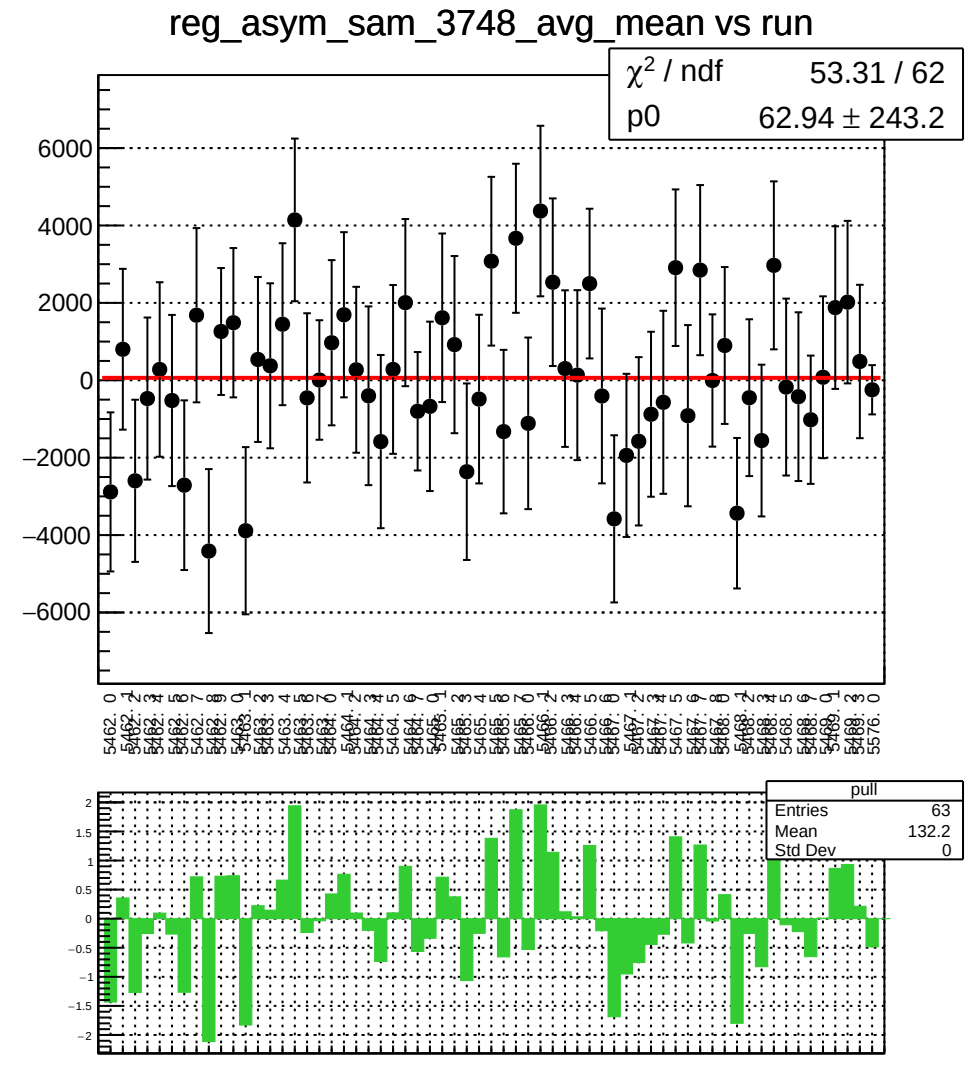

pull1D
Entries 63
Mean −0.006353
Std Dev 0.8565

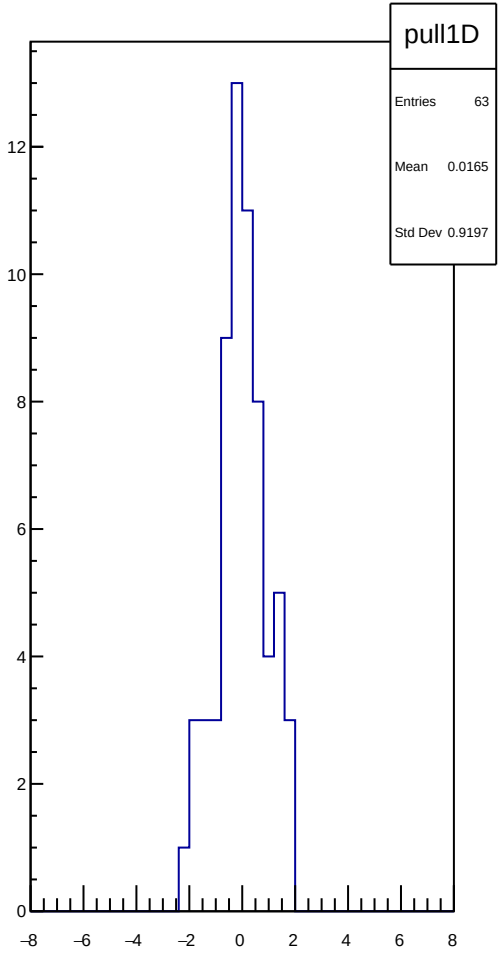

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.065e+04 / 62
p0 24.77 ± 0.0228
55
50
45
40
35
30
25
20

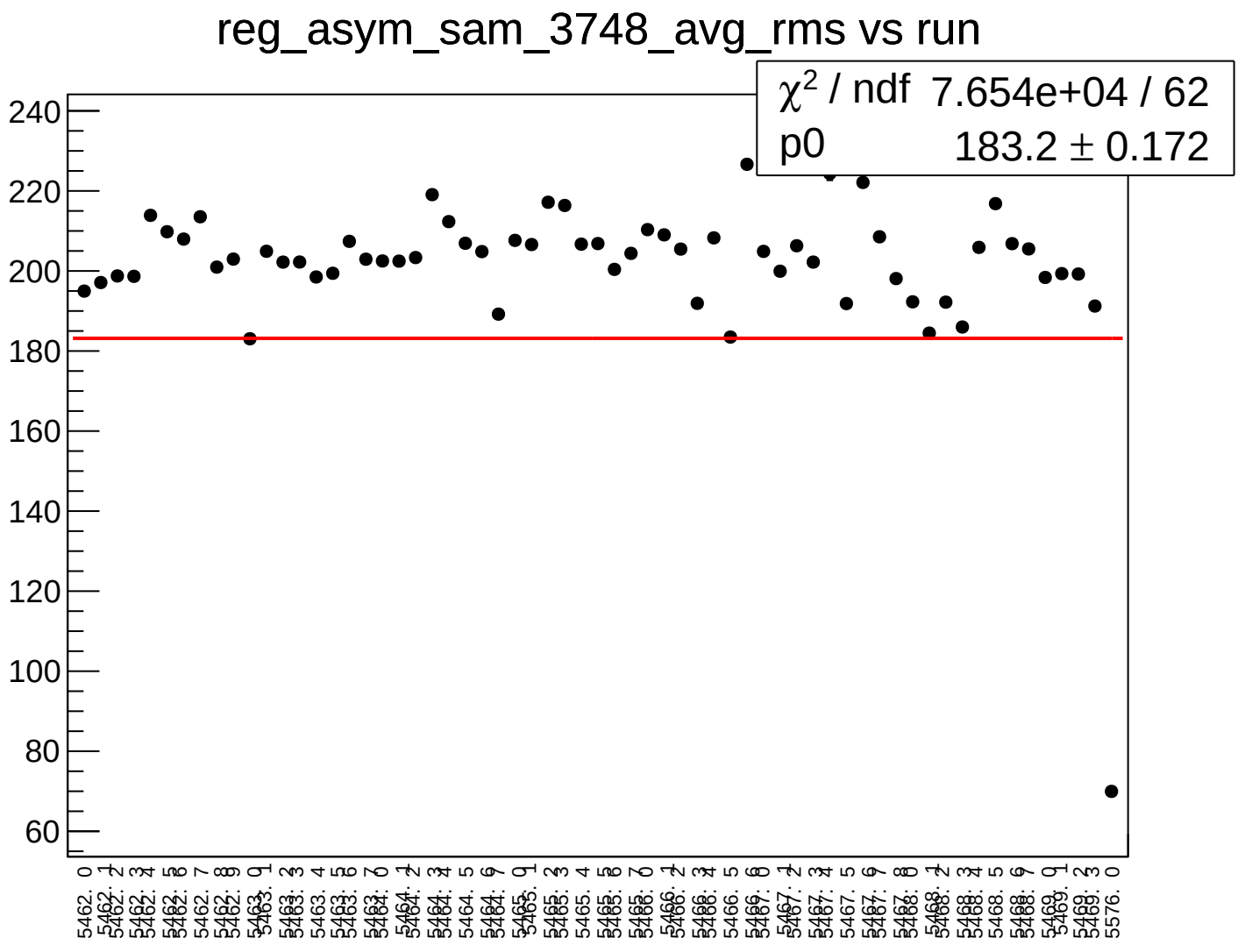

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.92 / 62
p0 −2.613e−14 ± 2.686e−14
pull
Entries 63
Mean −100.9
Std Dev 0

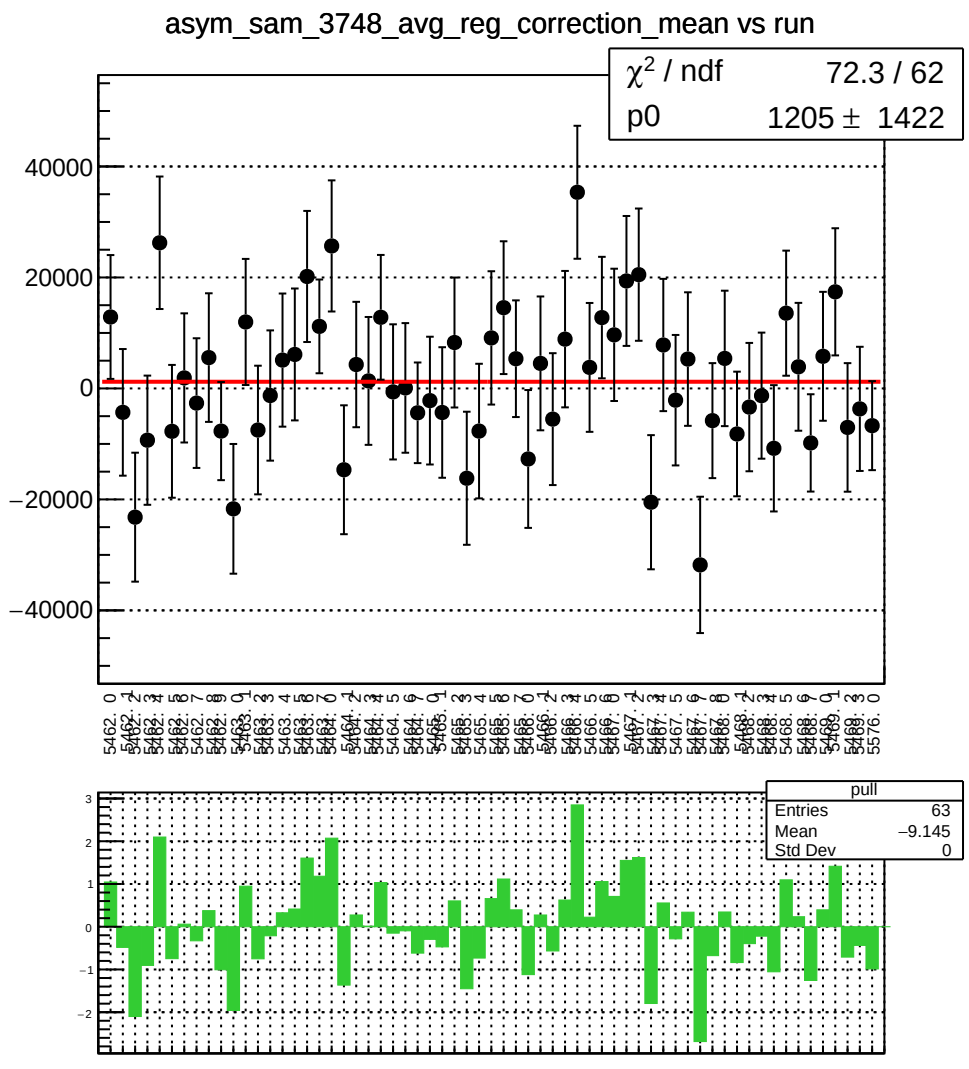

pull1D
Entries 63
Mean 0.01012
Std Dev 0.8812

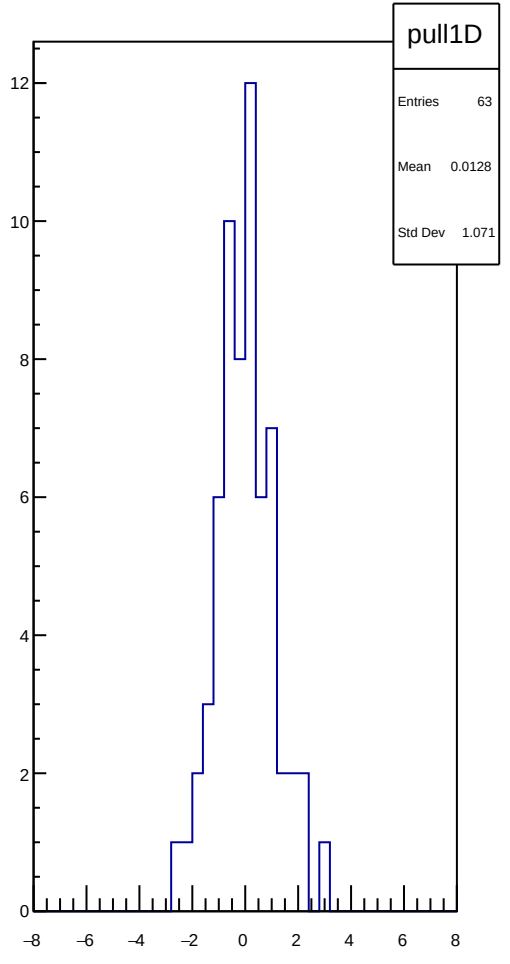

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.948e+05 / 62
p0 1.818e−11 ± 1.899e−14
90
80
70
60
50
40
30
20
10

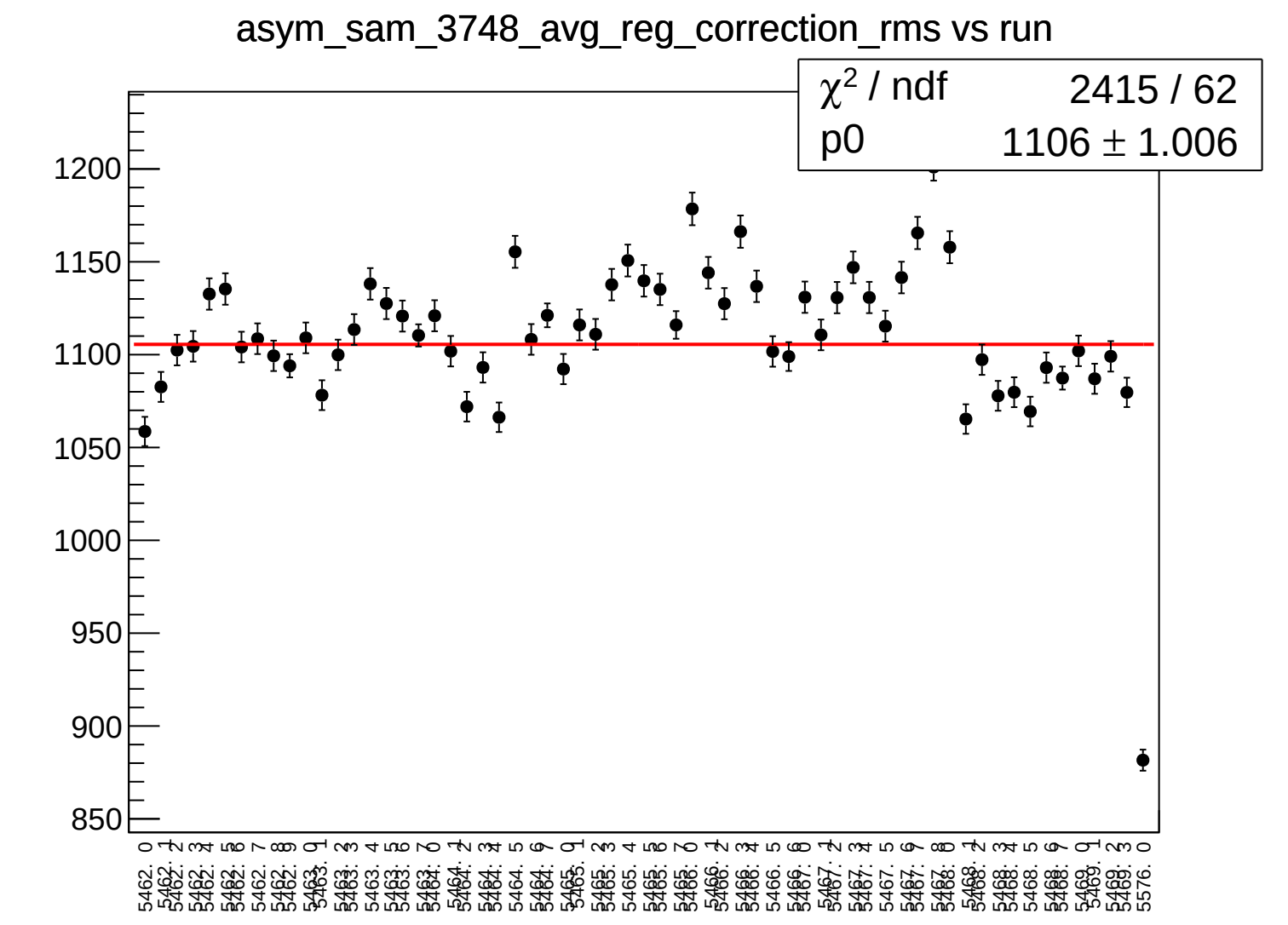

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 53.31 / 62
p0 62.94 ± 243.2
pull
Entries 63
Mean 132.2
Std Dev 0

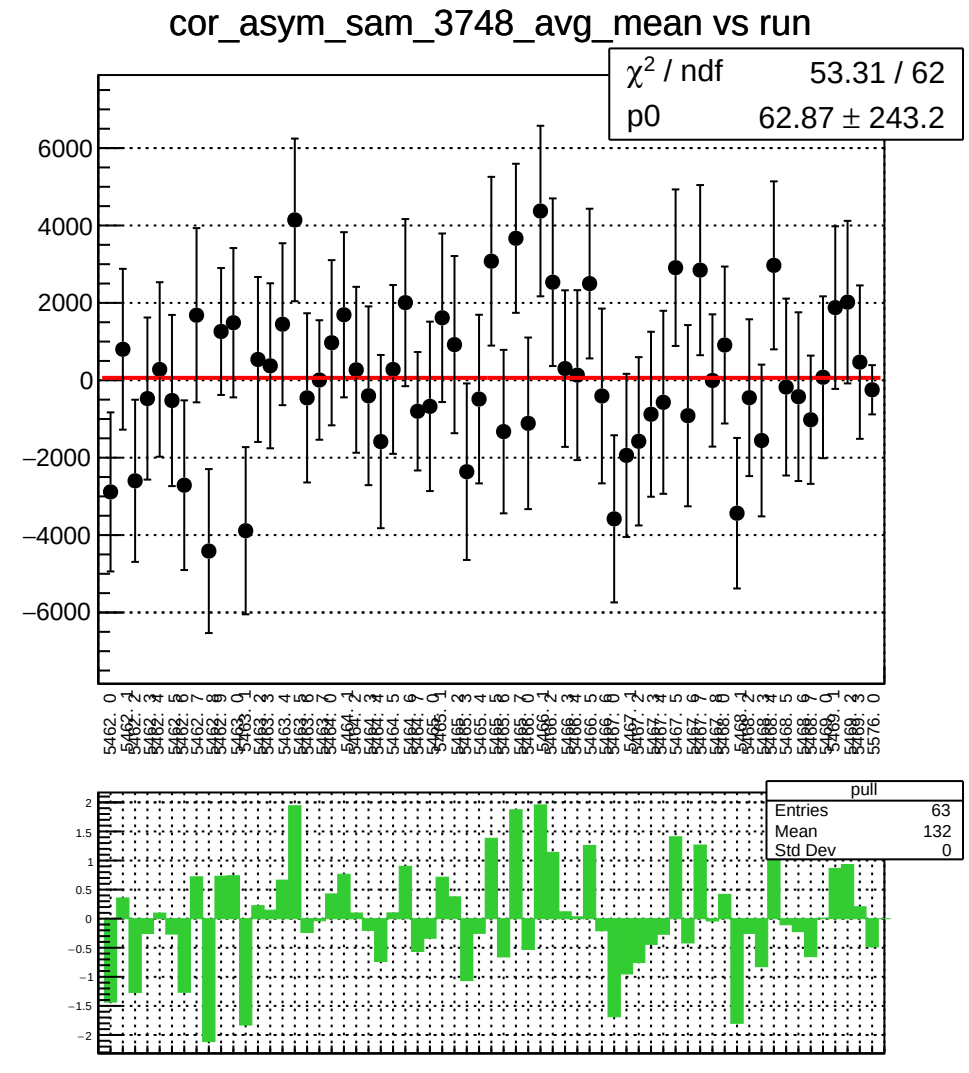

pull1D
Entries 63
Mean 0.0165
Std Dev 0.9197

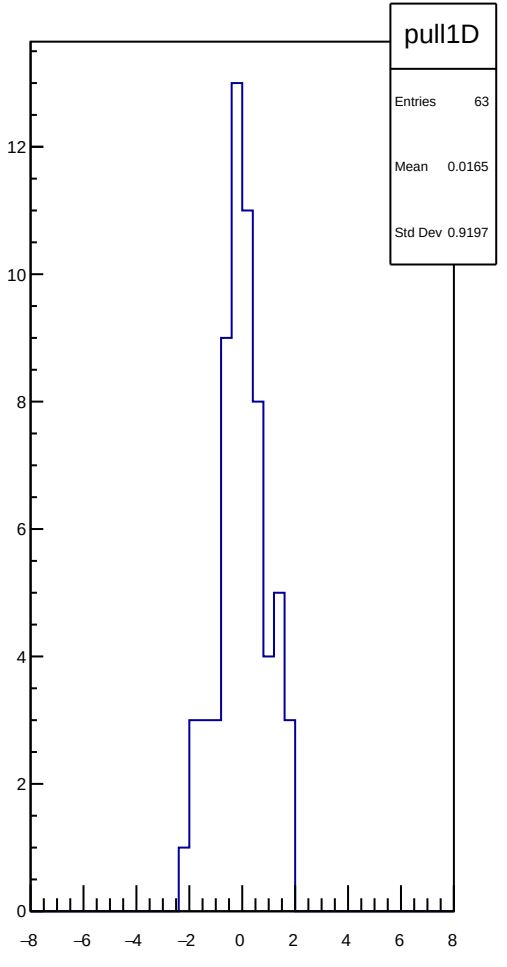

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 7.654e+04 / 62
p0 183.2 ± 0.172
240
220
200
180
160
140
120
100
80
60

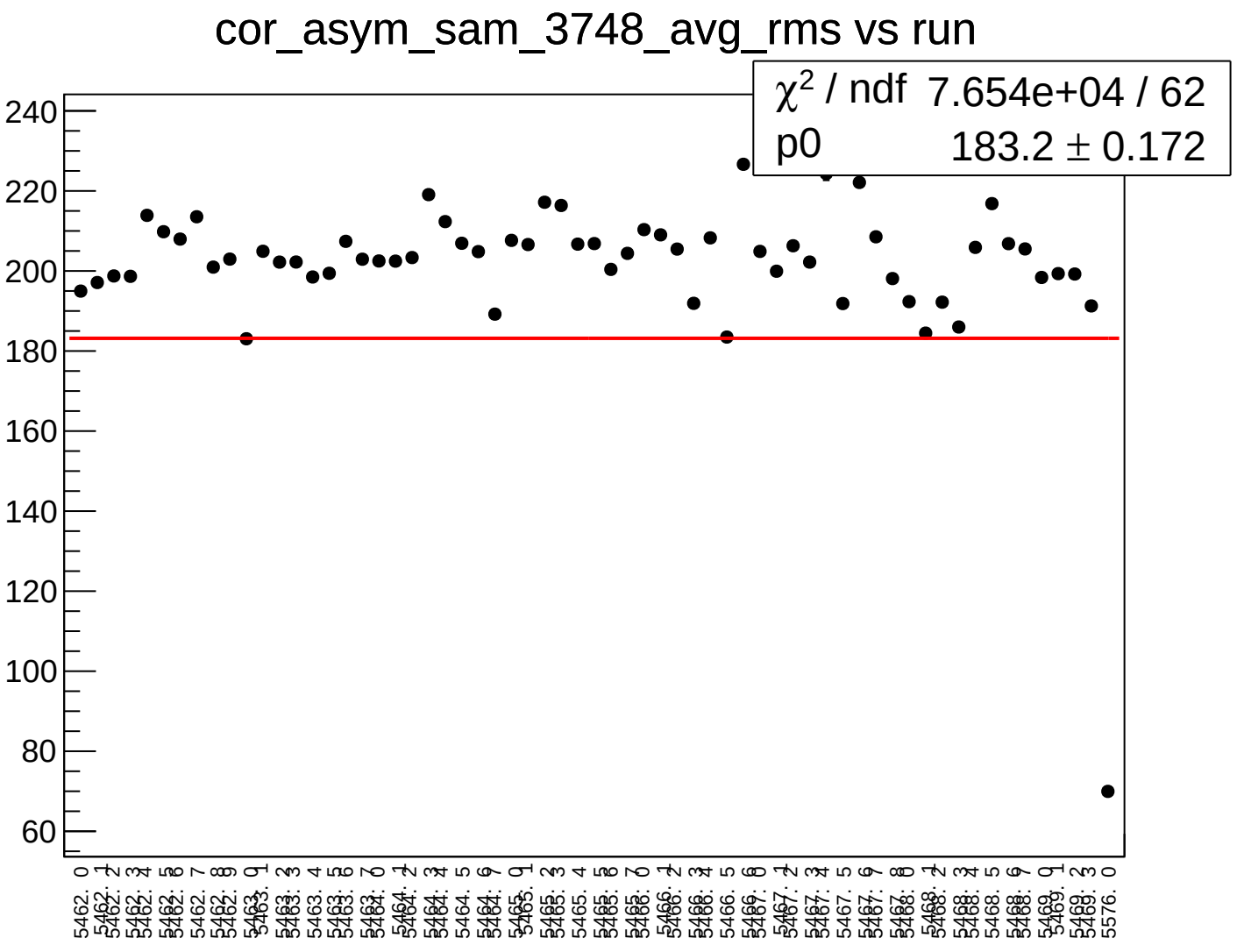

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 72.3 / 62
p0 1205 ± 1422
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −9.145
Std Dev 0
3
2
1
0
−1
−2

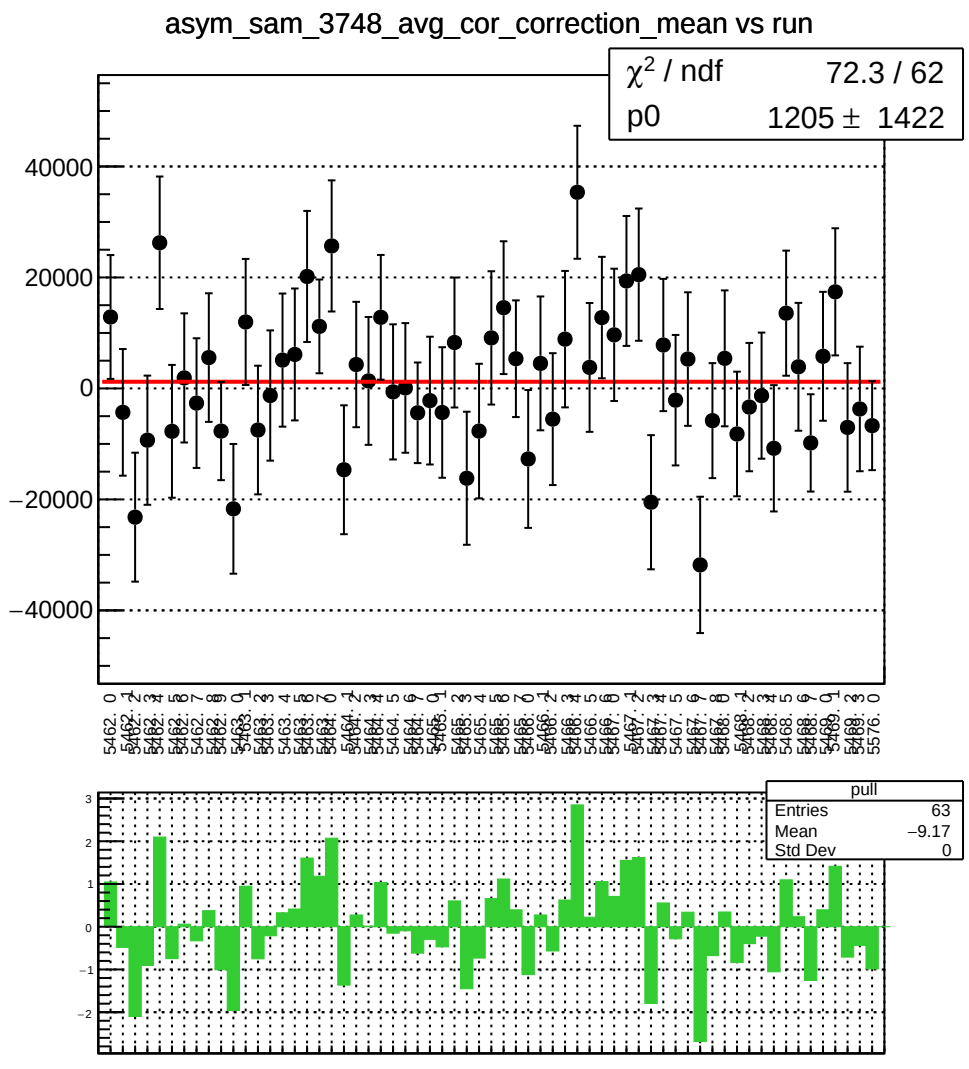

pull1D
Entries 63
Mean 0.0128
Std Dev 1.071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

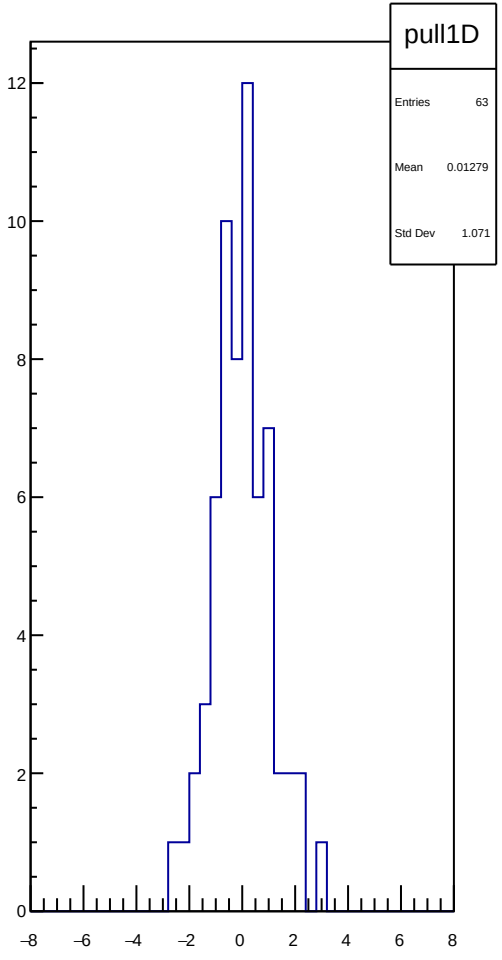

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 2415 / 62
p0 1106 ± 1.006
1200
1150
1100
1050
1000
950
900
850

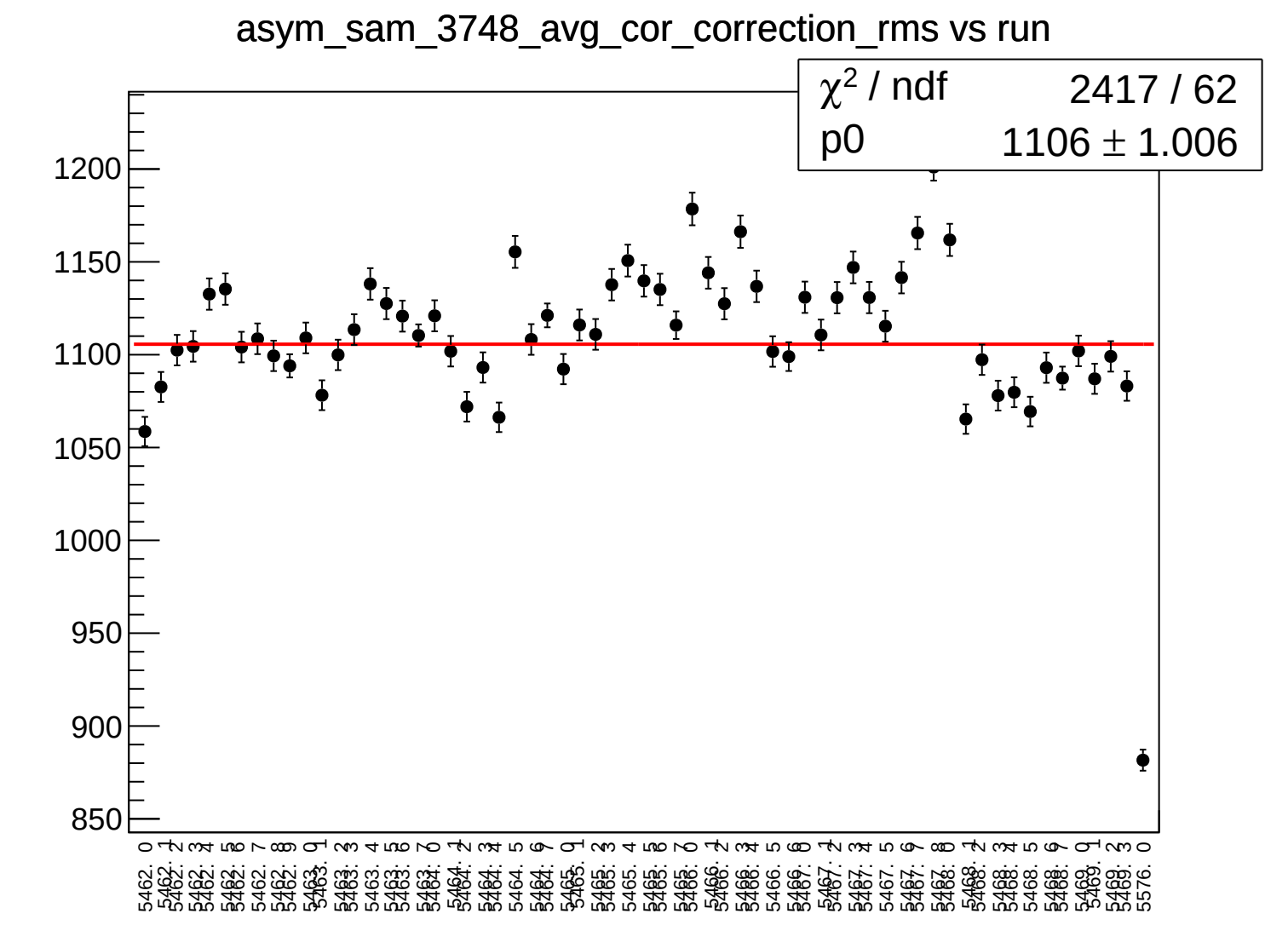

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 53.31 / 62
p0 62.87 ± 243.2
pull
Entries 63
Mean 132
Std Dev 0

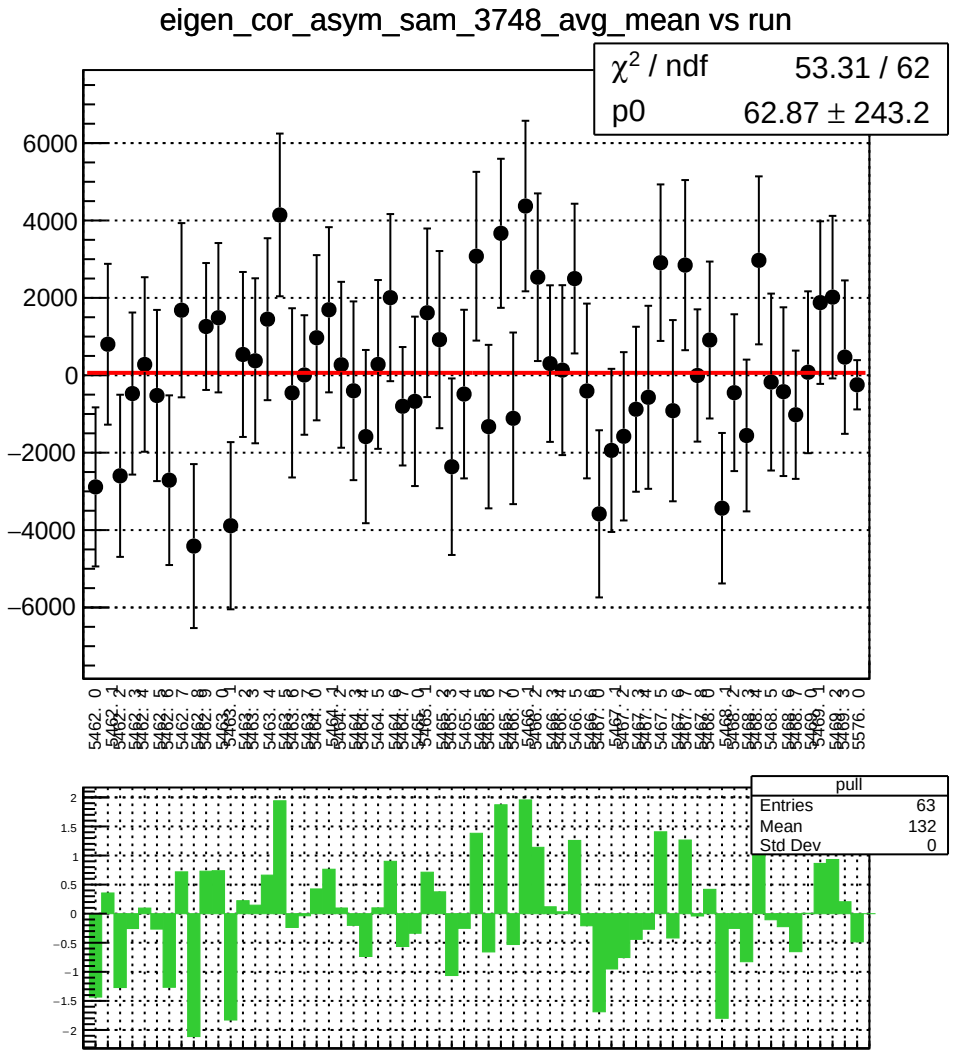

pull1D
Entries 63
Mean 0.0165
Std Dev 0.9197

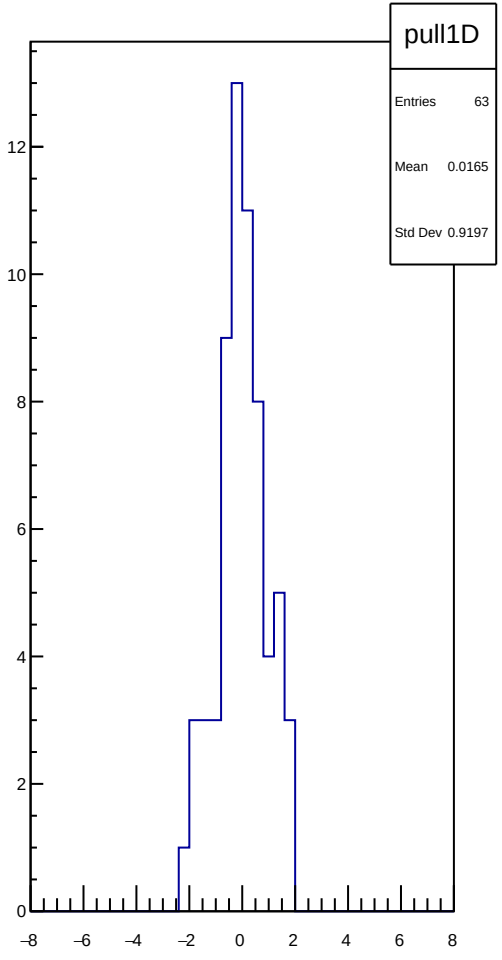

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7.654e+04 / 62
p0 183.2 ± 0.172
240
220
200
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

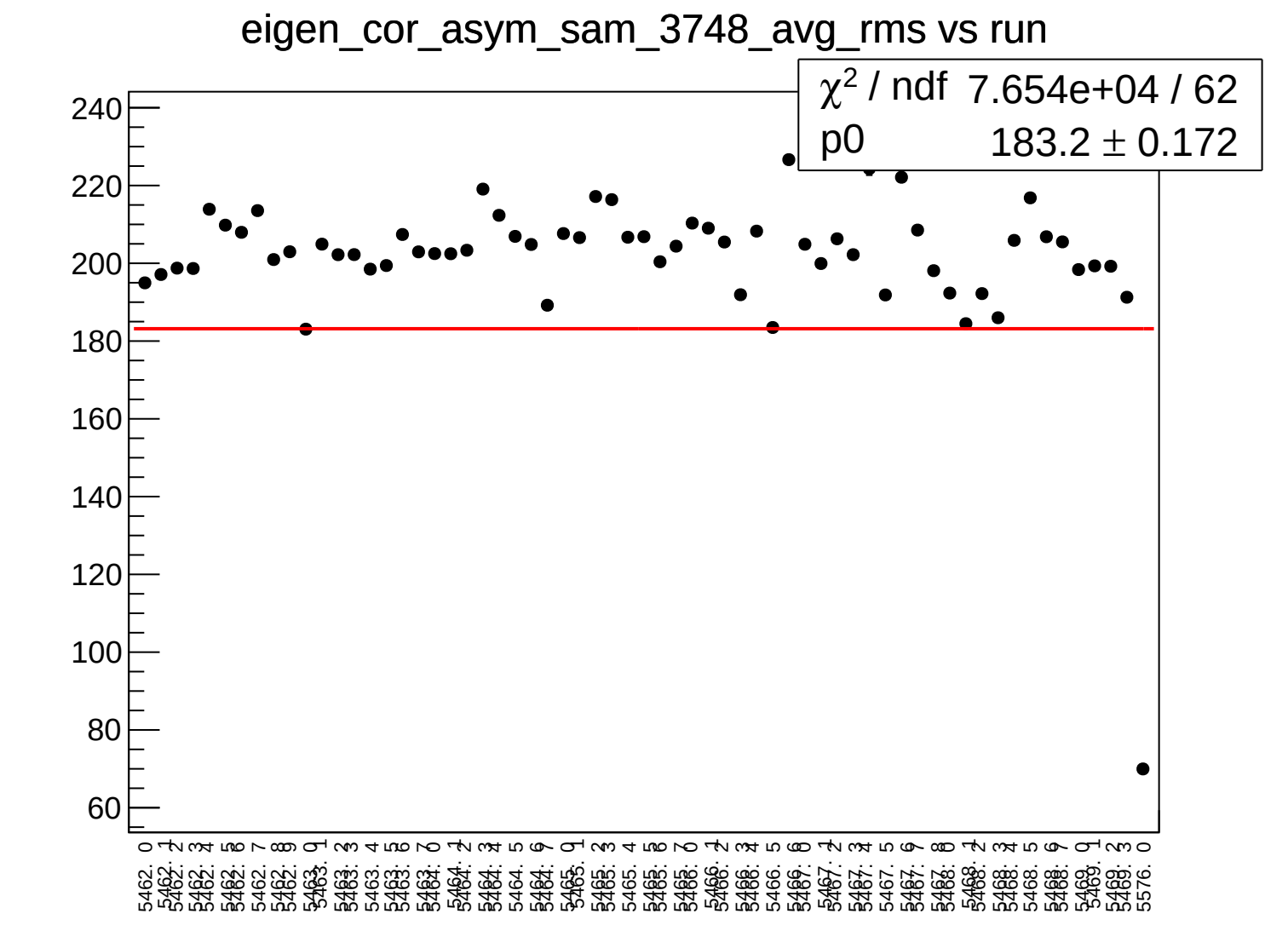

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 72.3 / 62
p0 1205 ± 1422
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −9.17
Std Dev 0
3
2
1
0
−1
−2

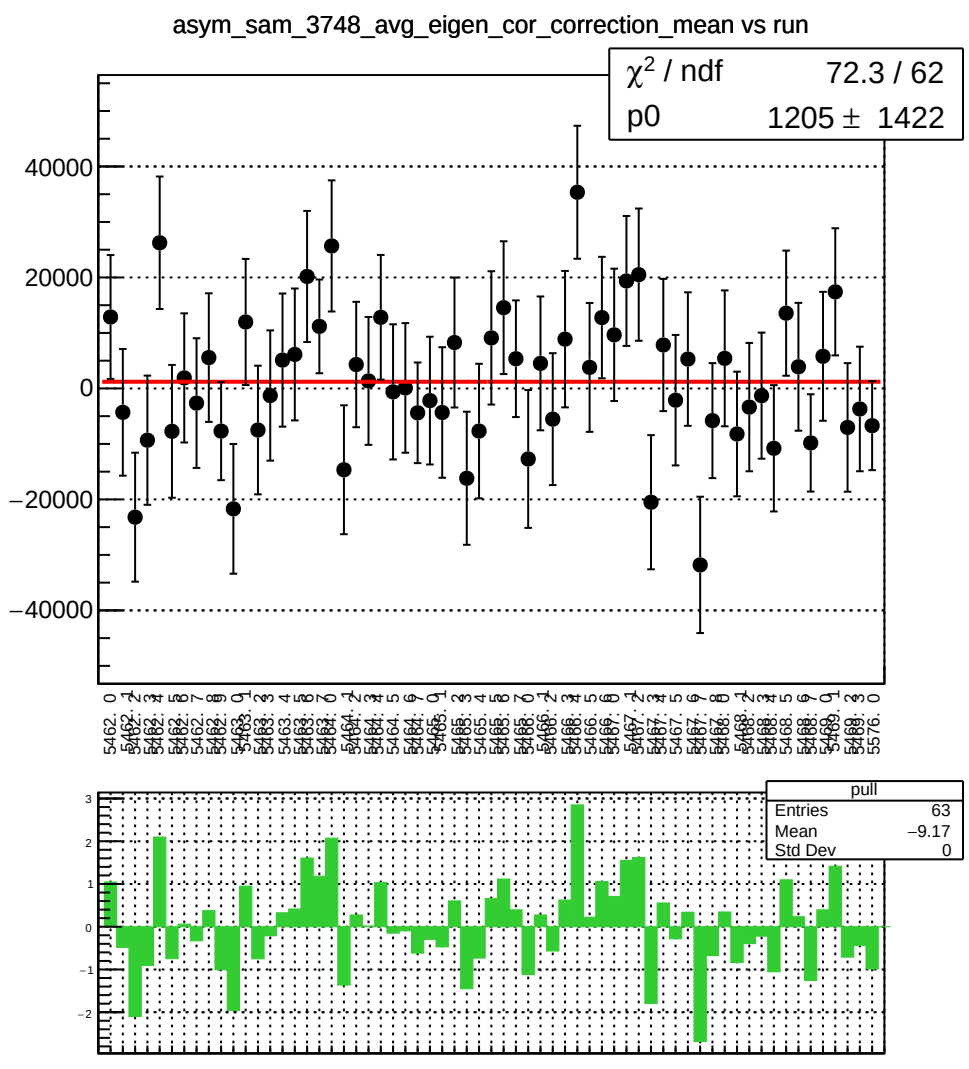

pull1D
Entries 63
Mean 0.01279
Std Dev 1.071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

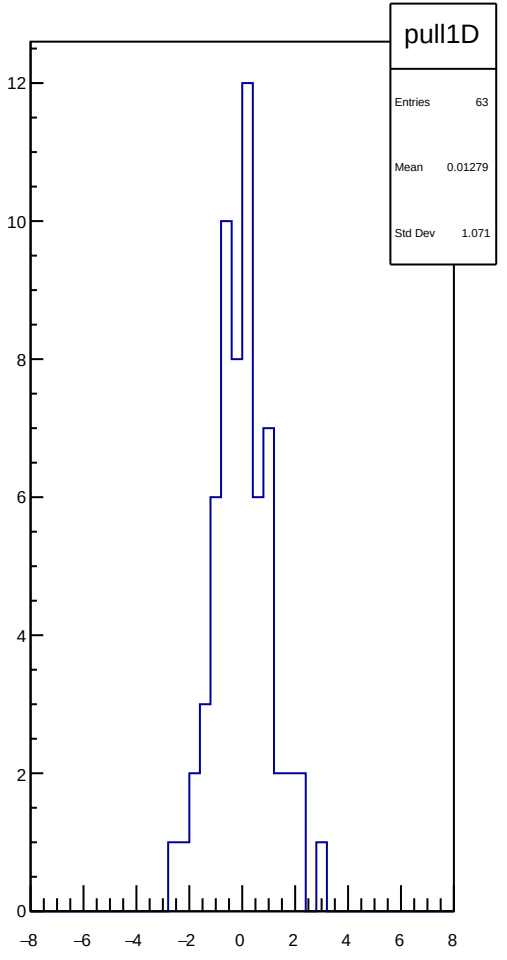

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 2417 / 62
p0 1106 ± 1.006
1200
1150
1100
1050
1000
950
900
850

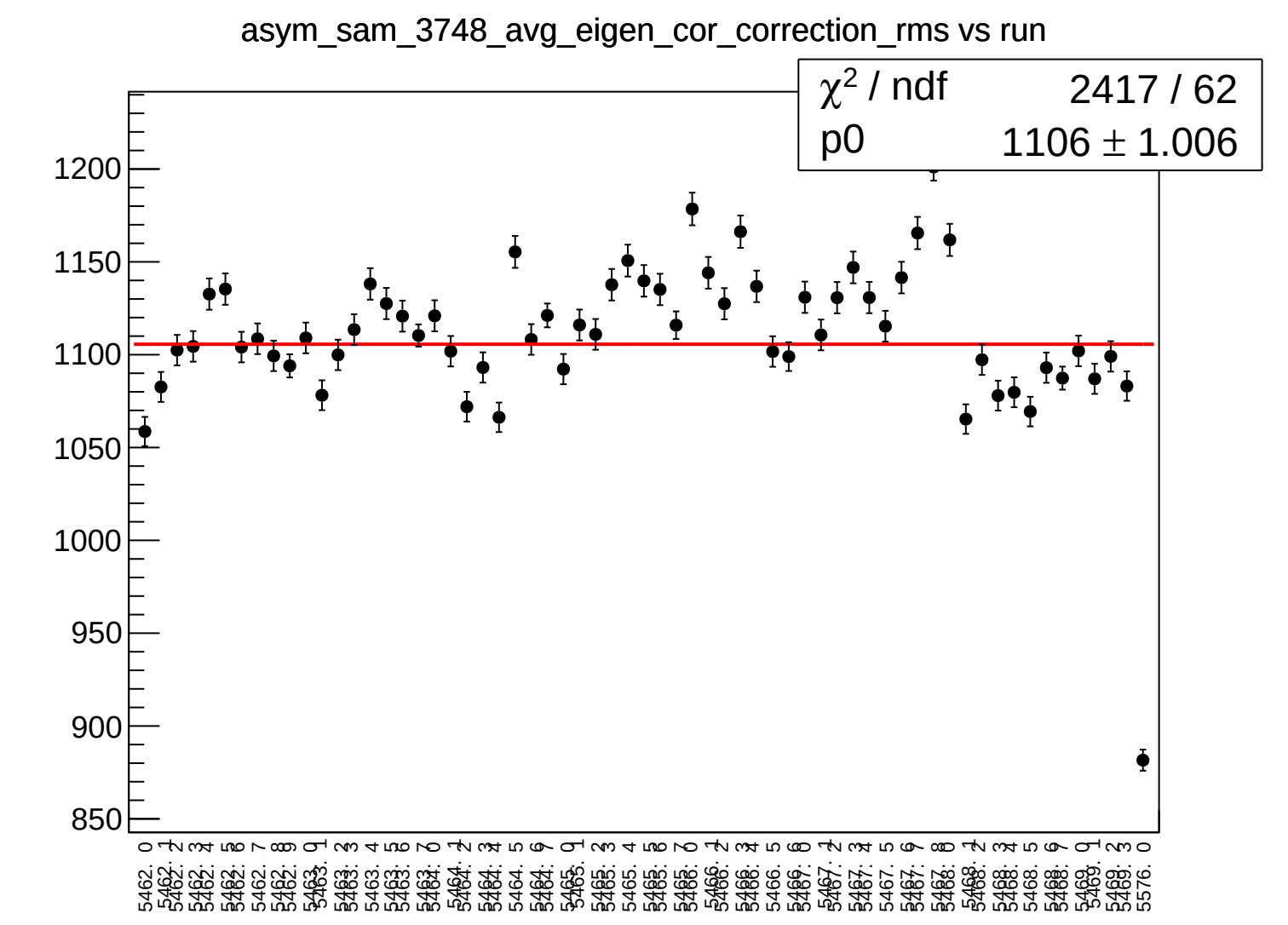

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 53.31 / 62
p0 62.87 ± 243.2
pull
Entries 63
Mean 132
Std Dev 0

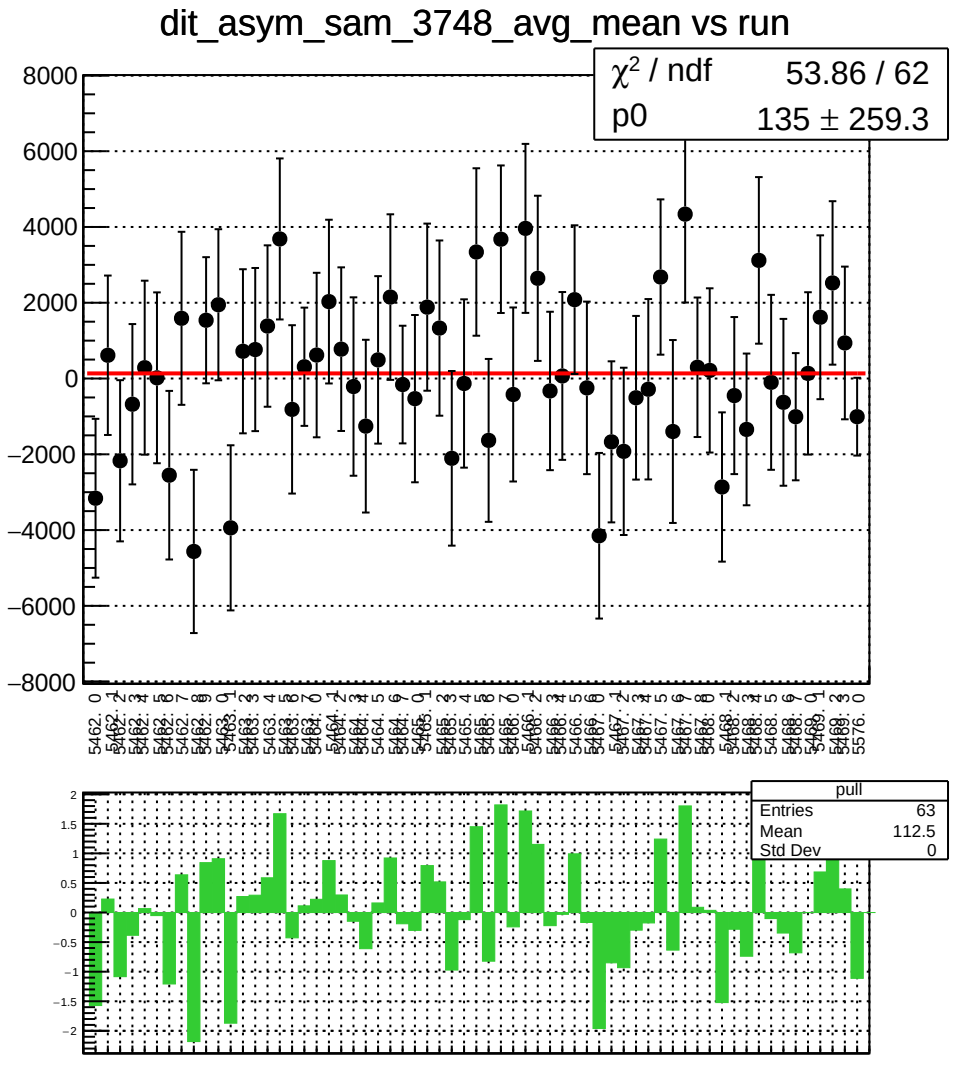

pull1D
Entries 63
Mean 0.0165
Std Dev 0.9197

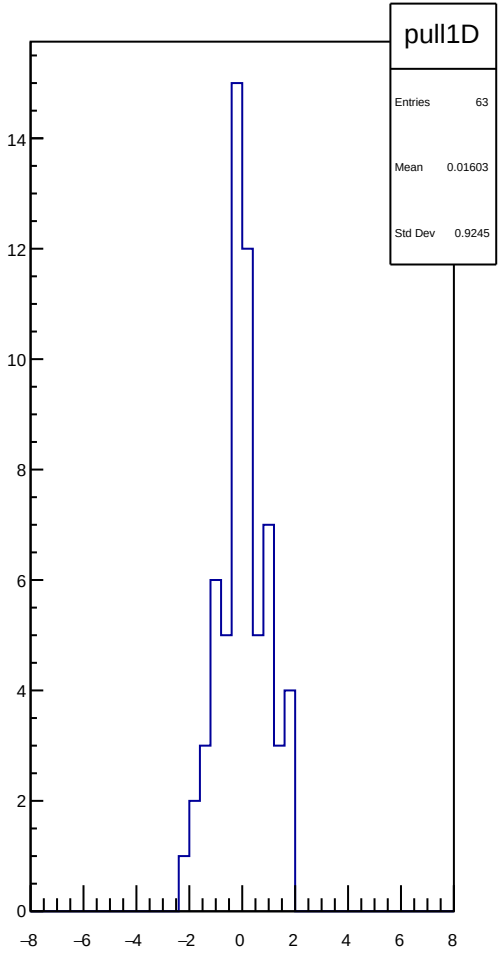

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7.654e+04 / 62
p0 183.2 ± 0.172
240
220
200
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

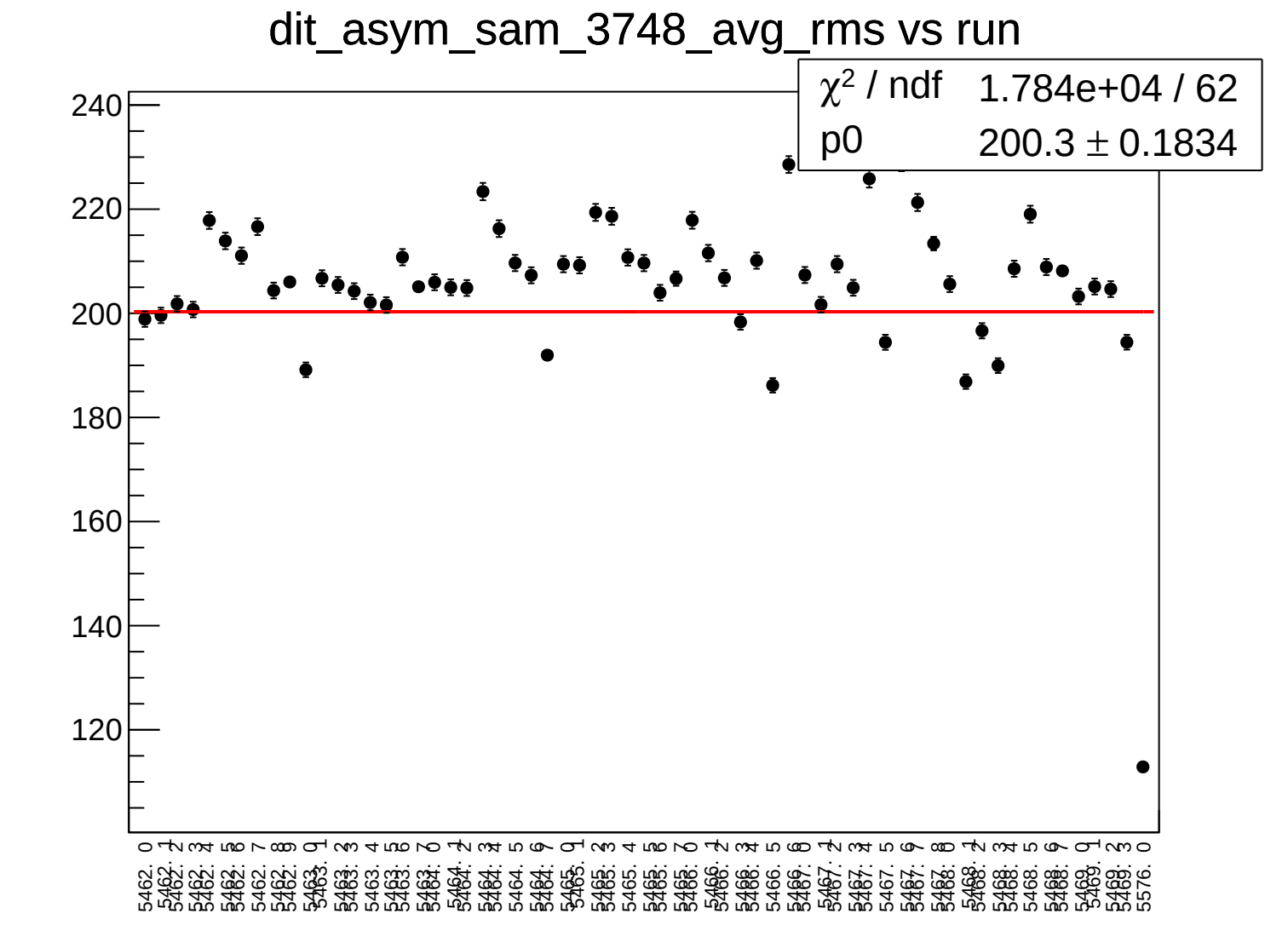

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.3 / 62
p0 1205 ± 1422
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −9.17
Std Dev 0
3
2
1
0
−1
−2

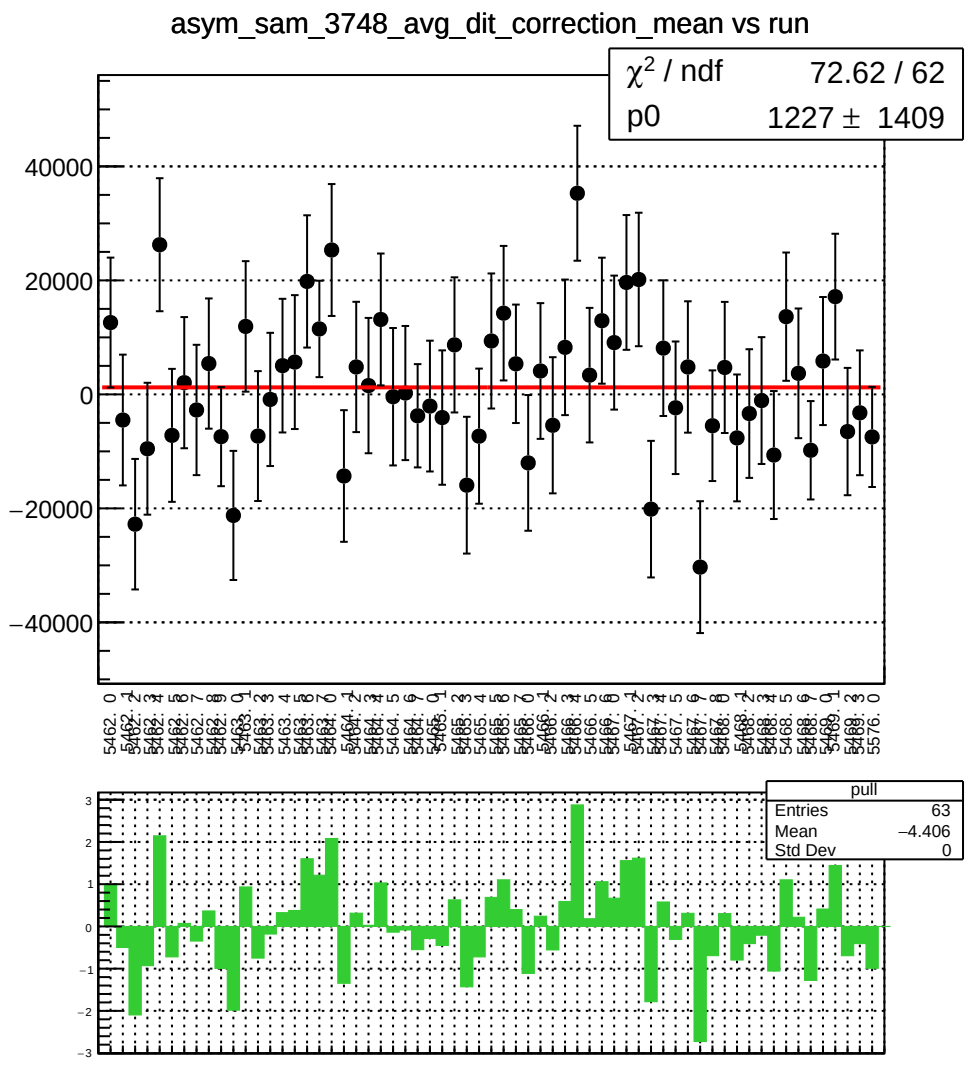

pull1D
Entries 63
Mean 0.01279
Std Dev 1.071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

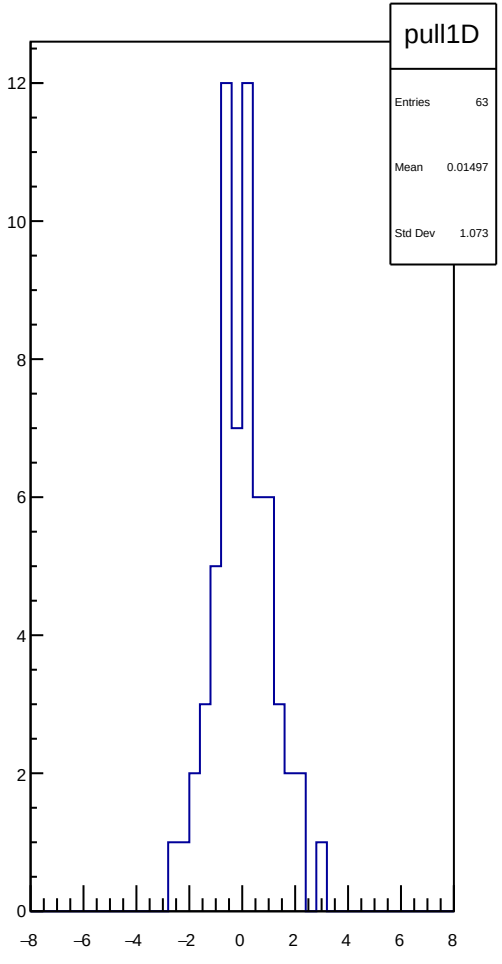

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 2417 / 62
p0 1106 ± 1.006
1200
1150
1100
1050
1000
950
900
850

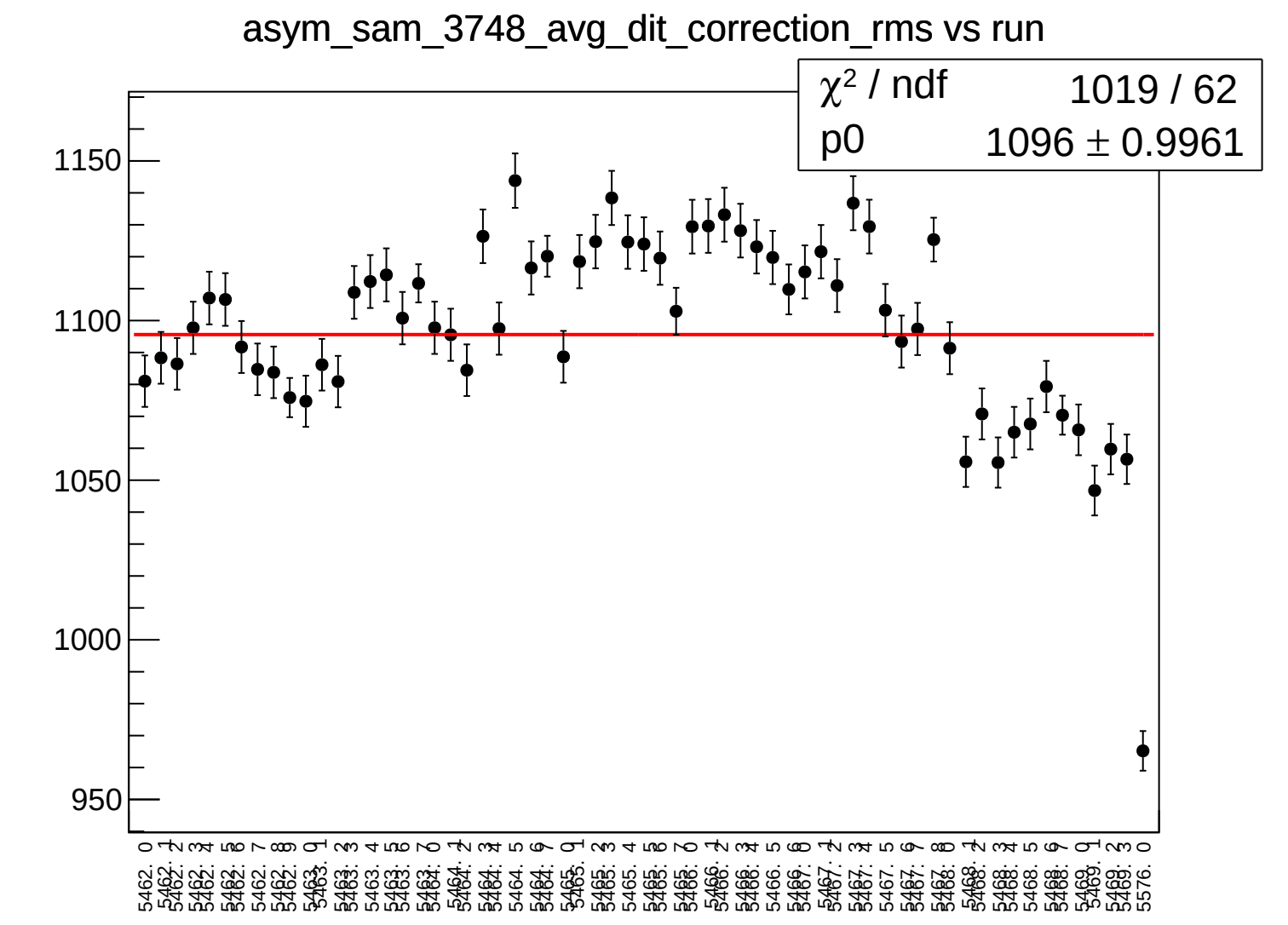

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 53.86 / 62
p0 135 ± 259.3
pull
Entries 63
Mean 112.5
Std Dev 0

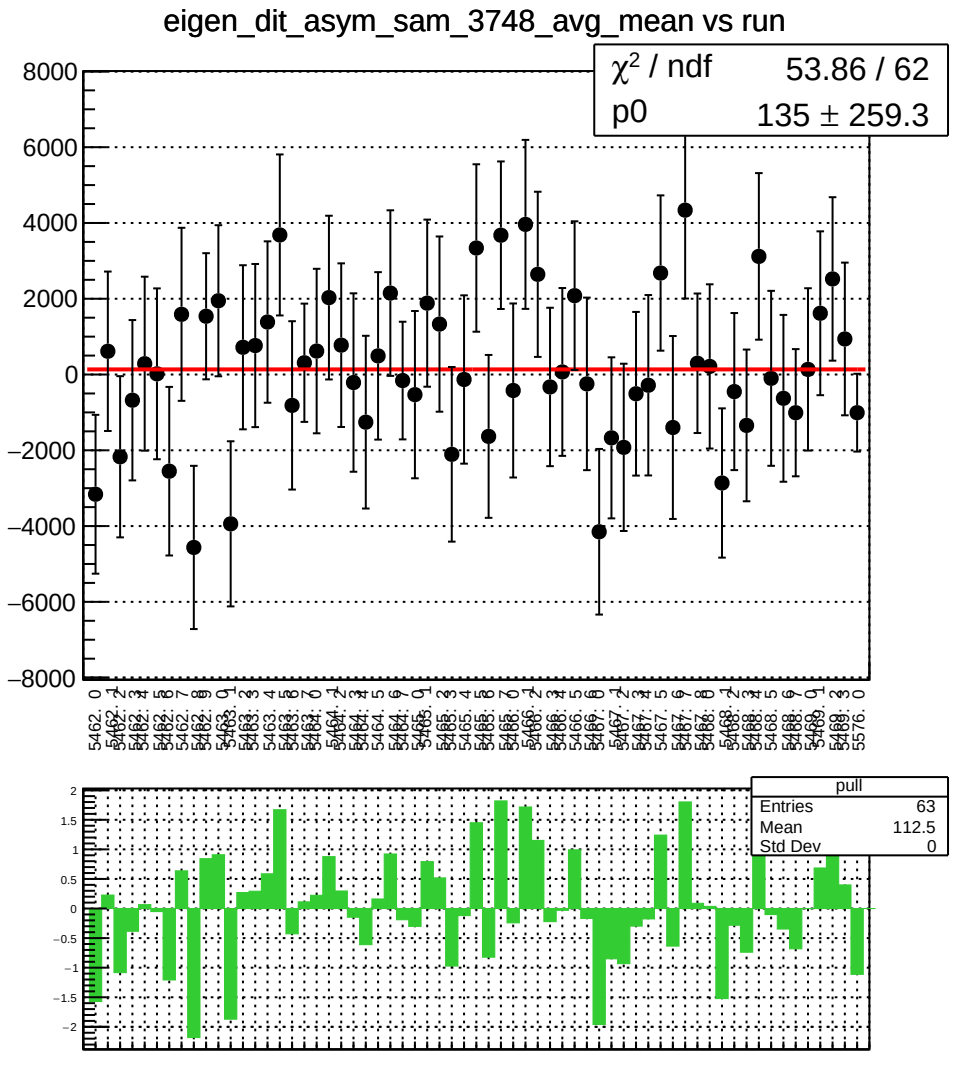

pull1D
Entries 63
Mean 0.01603
Std Dev 0.9245

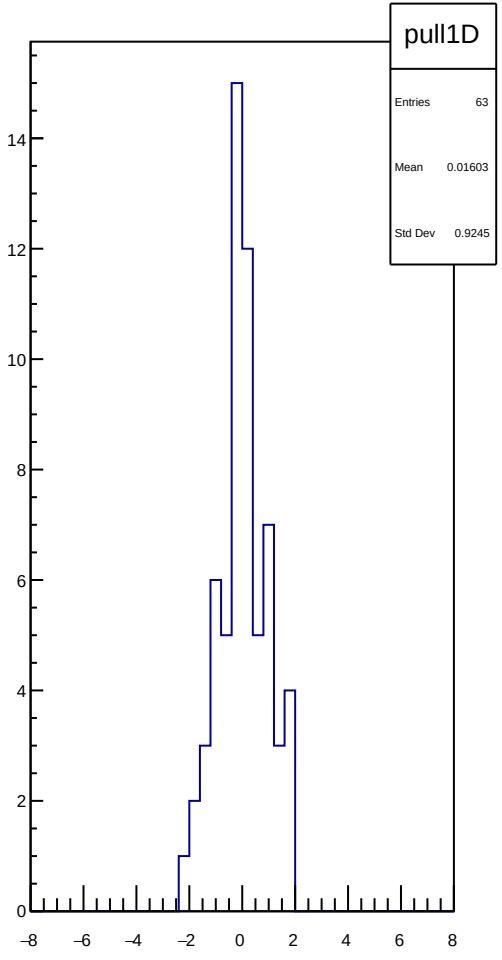

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.784e+04 / 62
p0 200.3 ± 0.1834
240
220
200
180
160
140
120

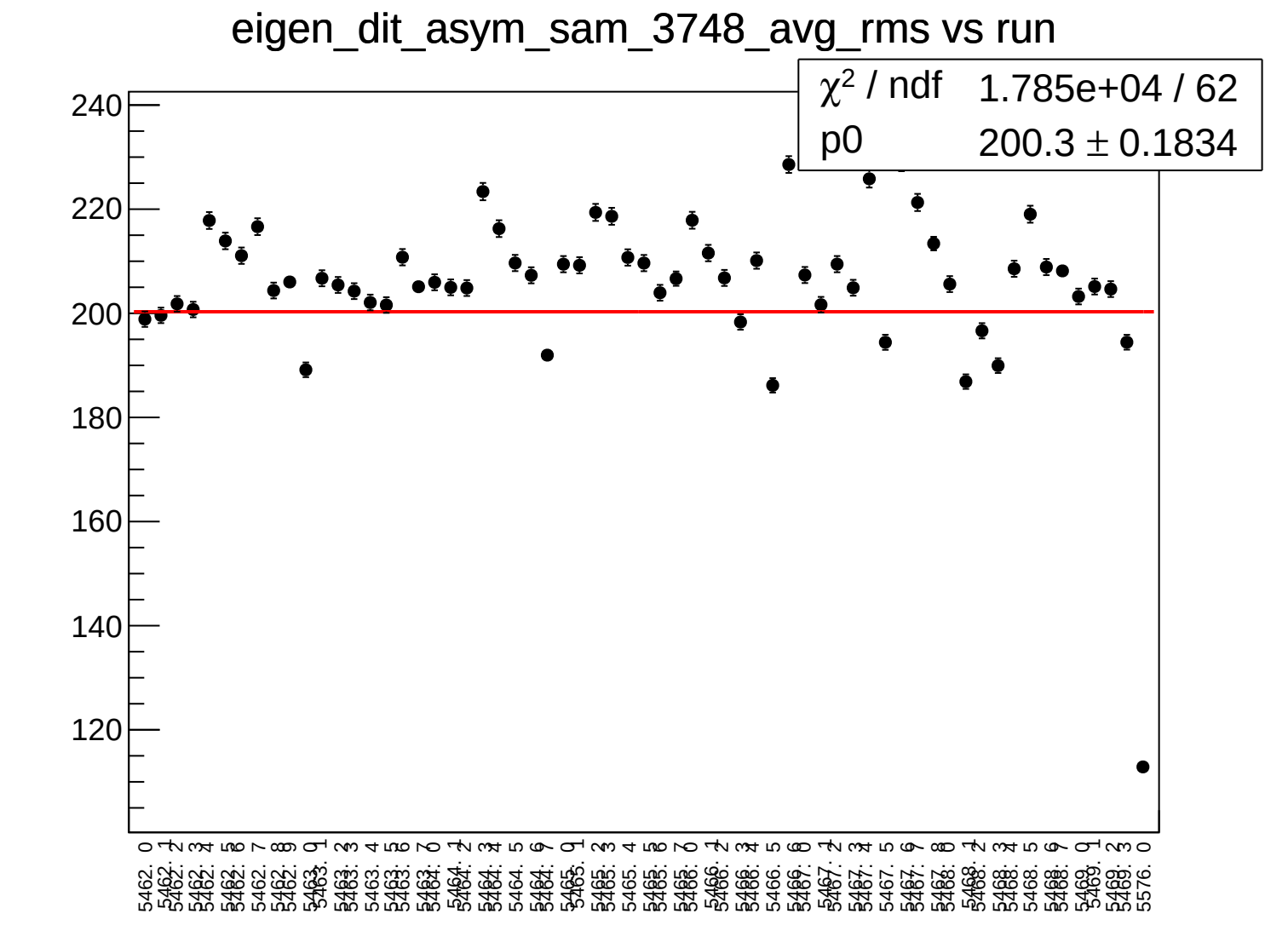

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 72.62 / 62
p0 1227 ± 1409
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −4.406
Std Dev 0
3
2
1
0
−1
−2
−3

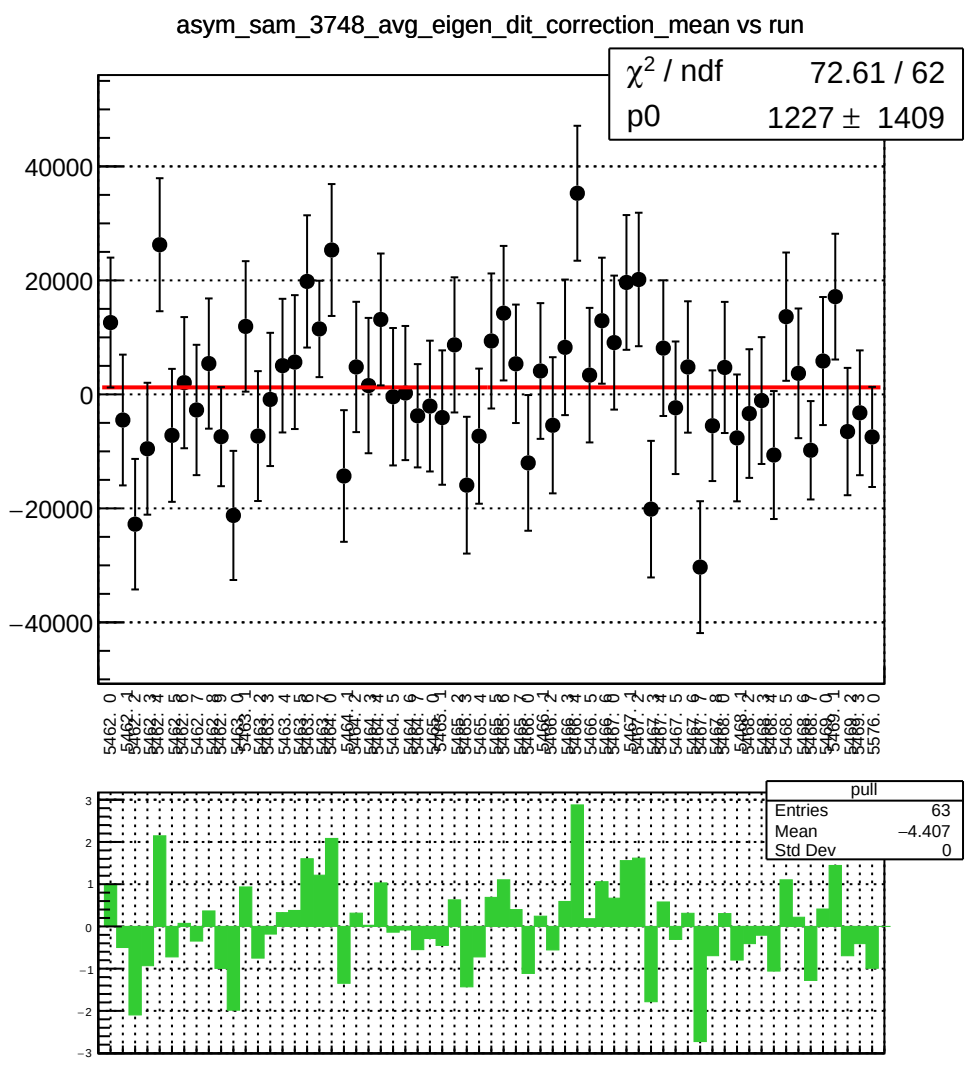

pull1D
Entries 63
Mean 0.01497
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

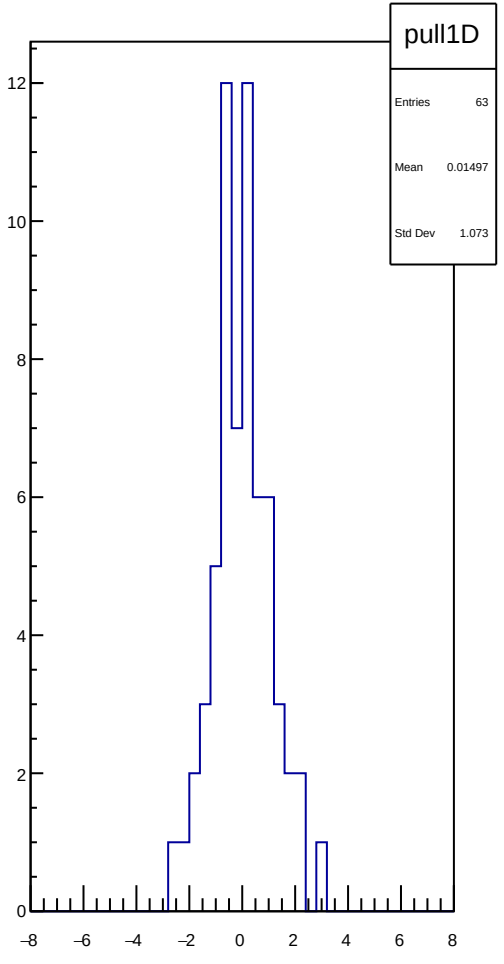

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1019 / 62
p0 1096 ± 0.9961
1150
1100
1050
1000
950

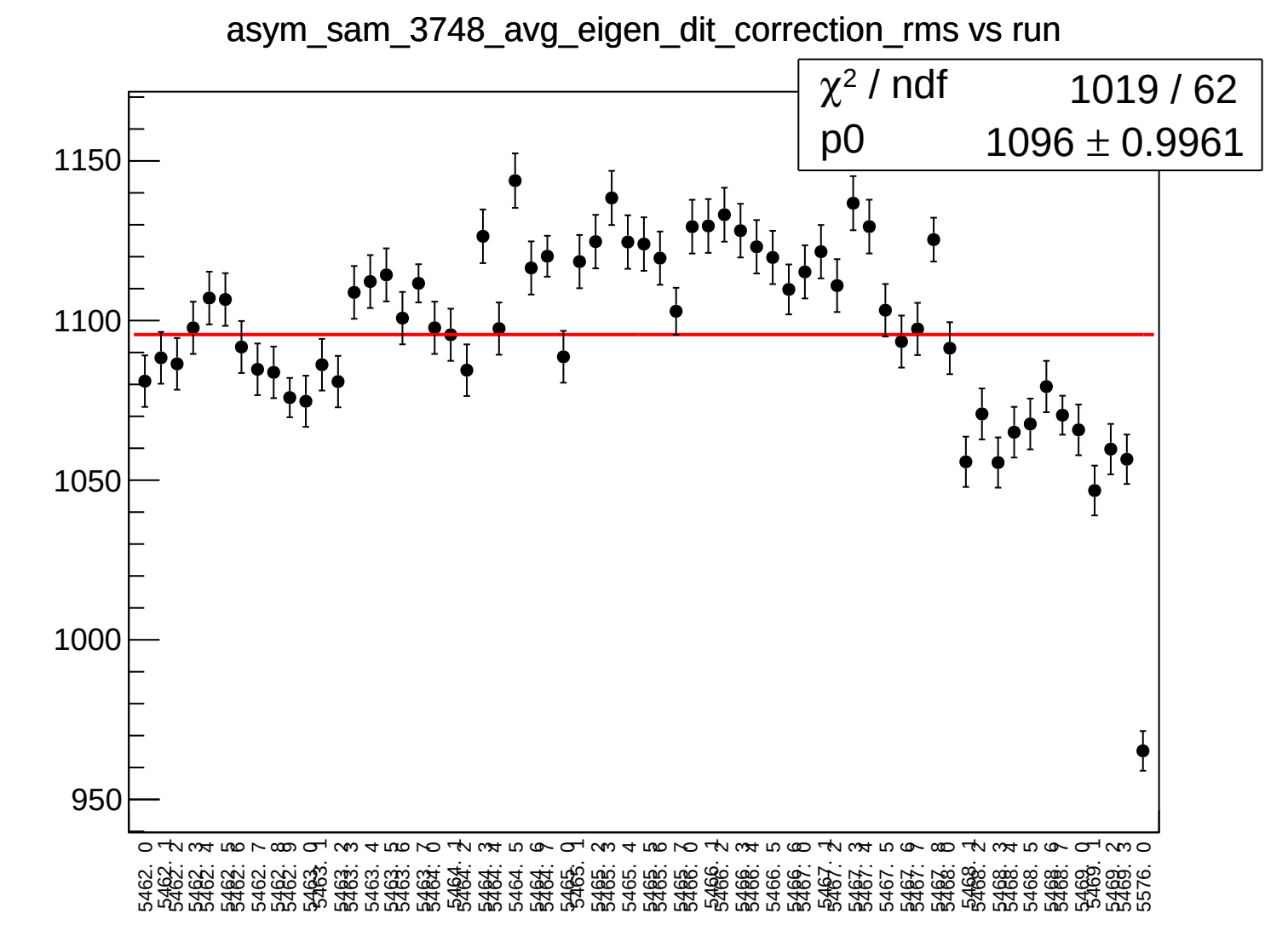

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 53.86 / 62
p0 135 ± 259.3
pull
Entries 63
Mean 112.5
Std Dev 0

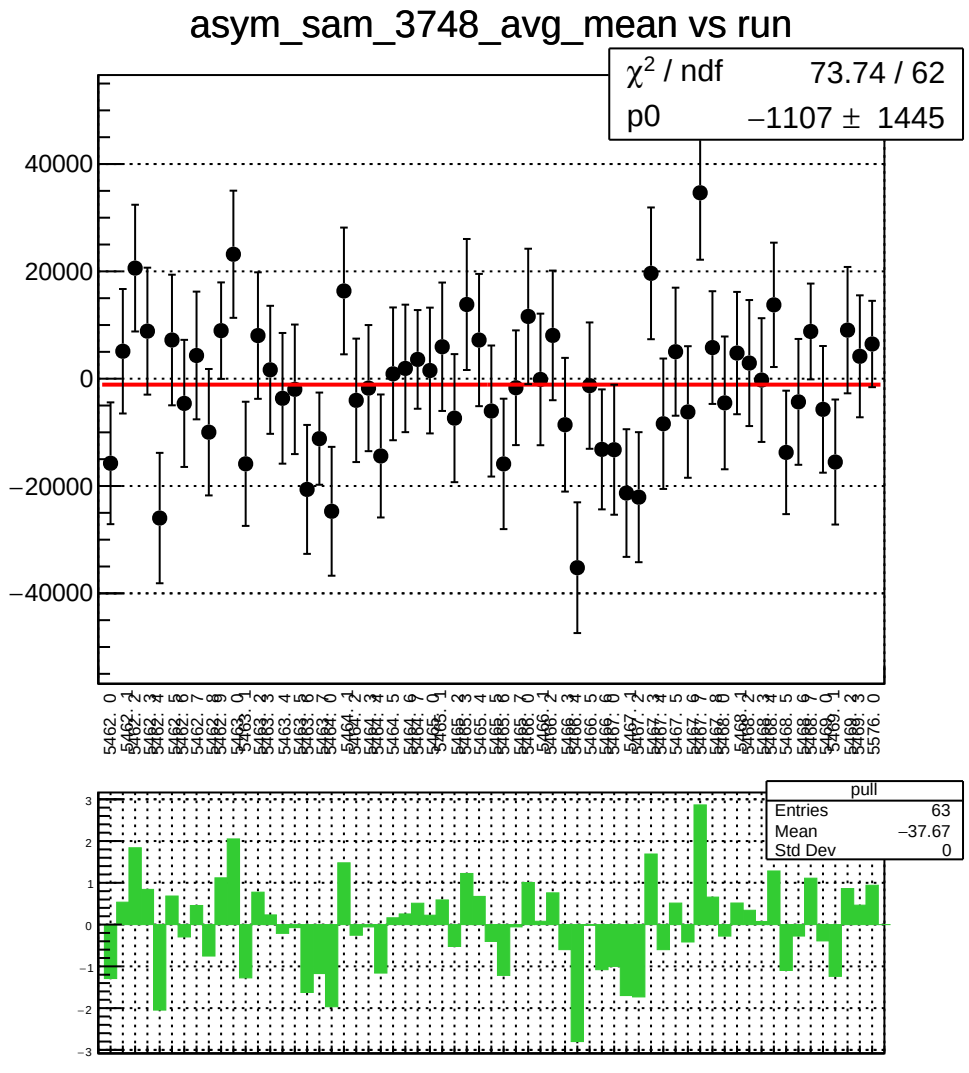

pull1D
Entries 63
Mean 0.01603
Std Dev 0.9245

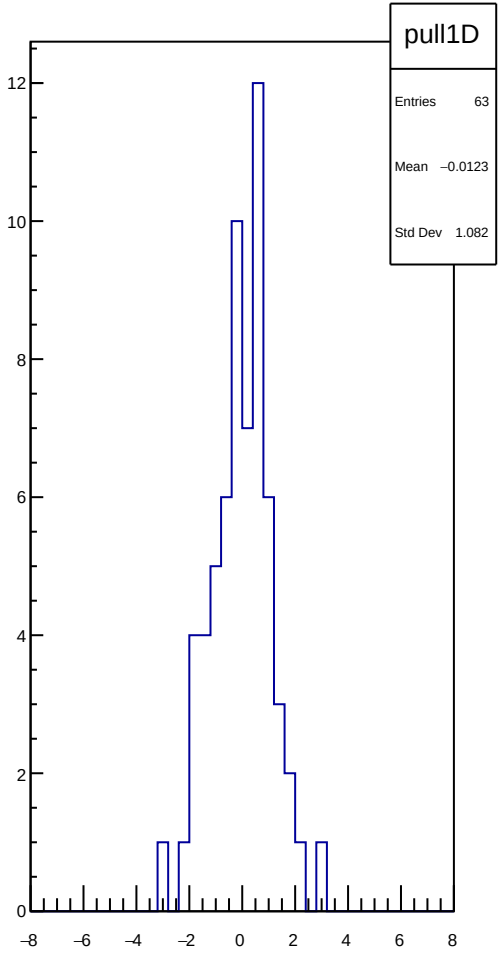

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.785e+04 / 62
p0 200.3 ± 0.1834
240
220
200
180
160
140
120

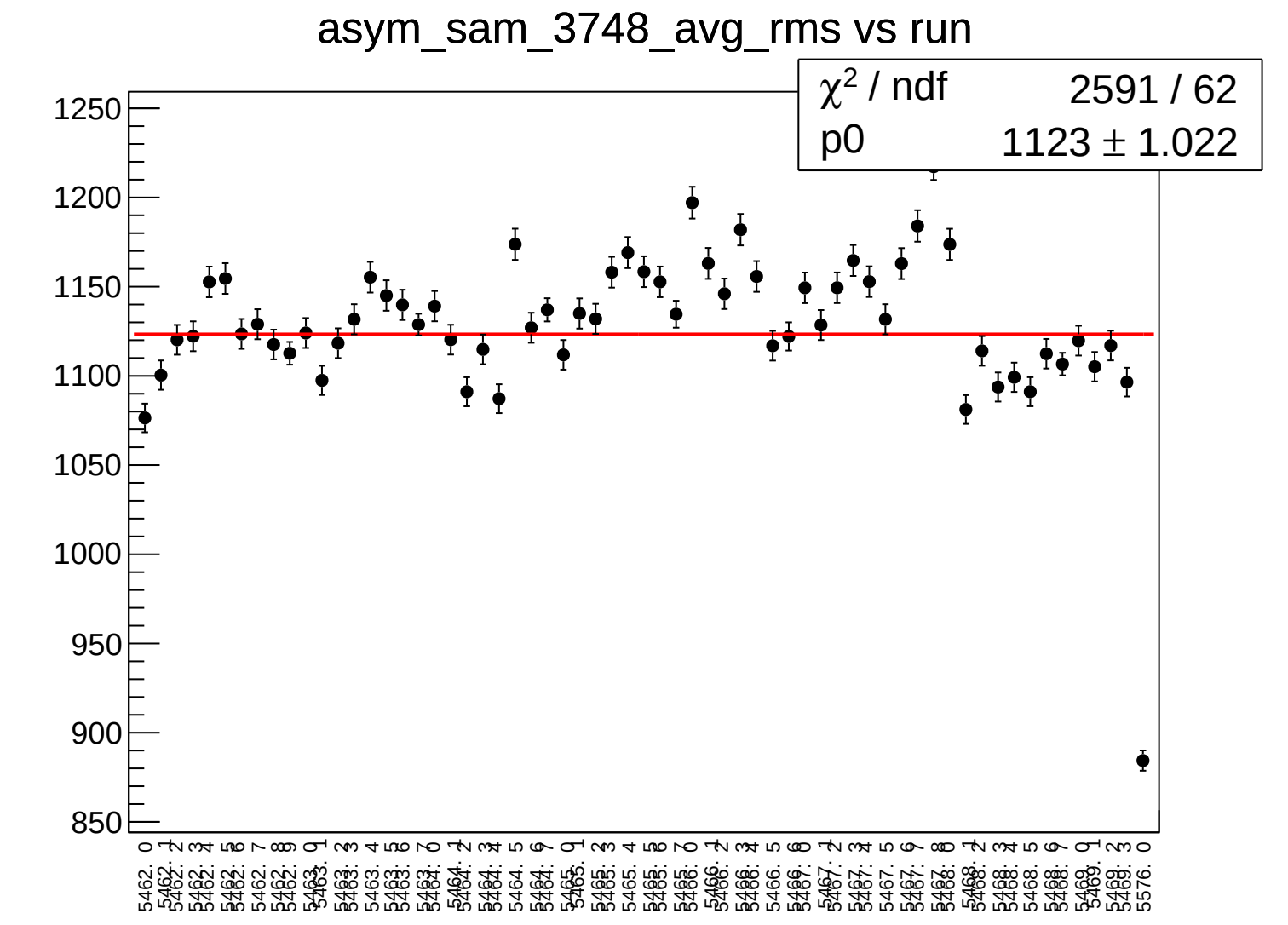

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.61 / 62
p0 1227 ± 1409
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −4.407
Std Dev 0
3
2
1
0
−1
−2
−3

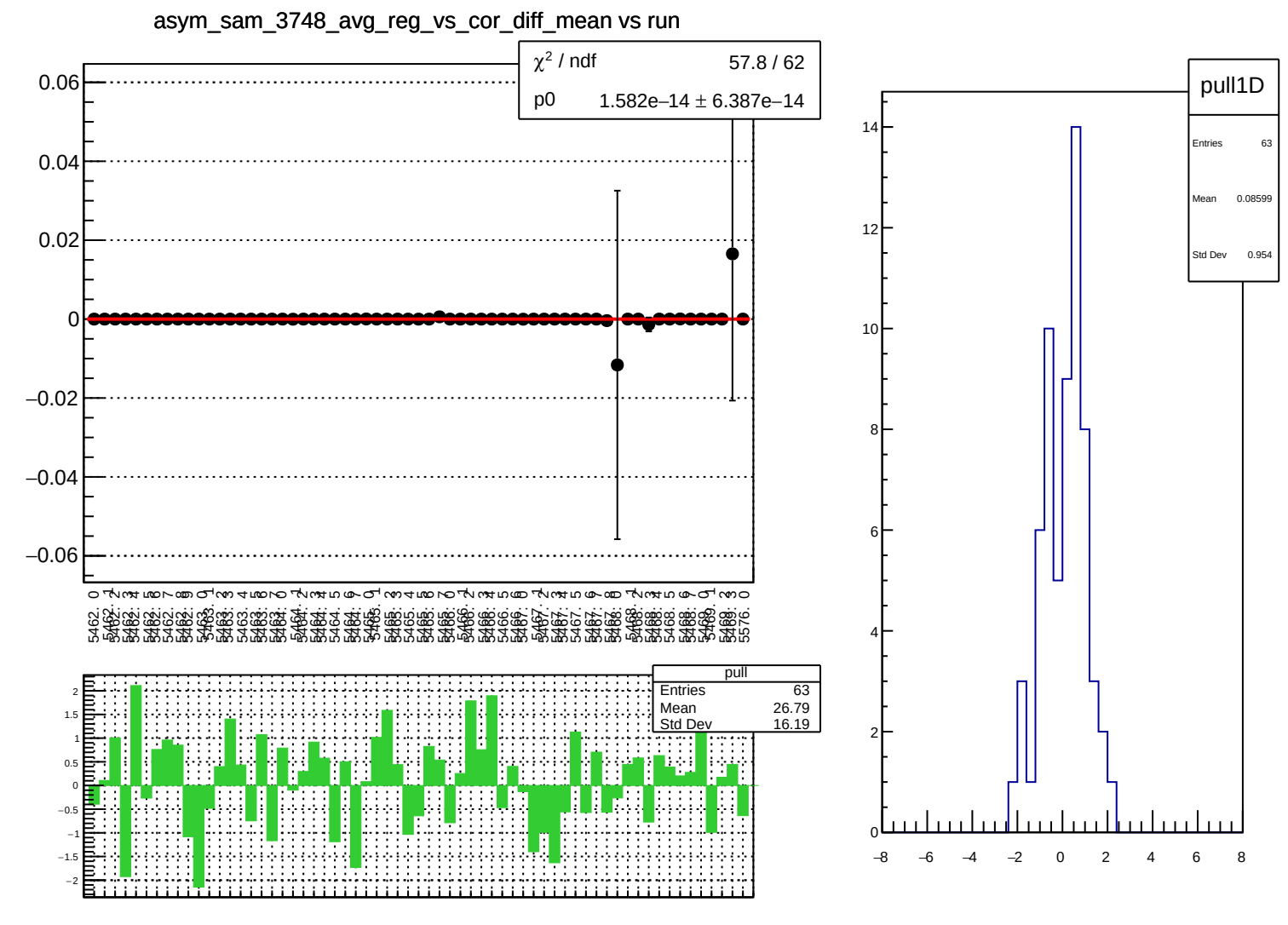

pull1D
Entries 63
Mean 0.01497
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

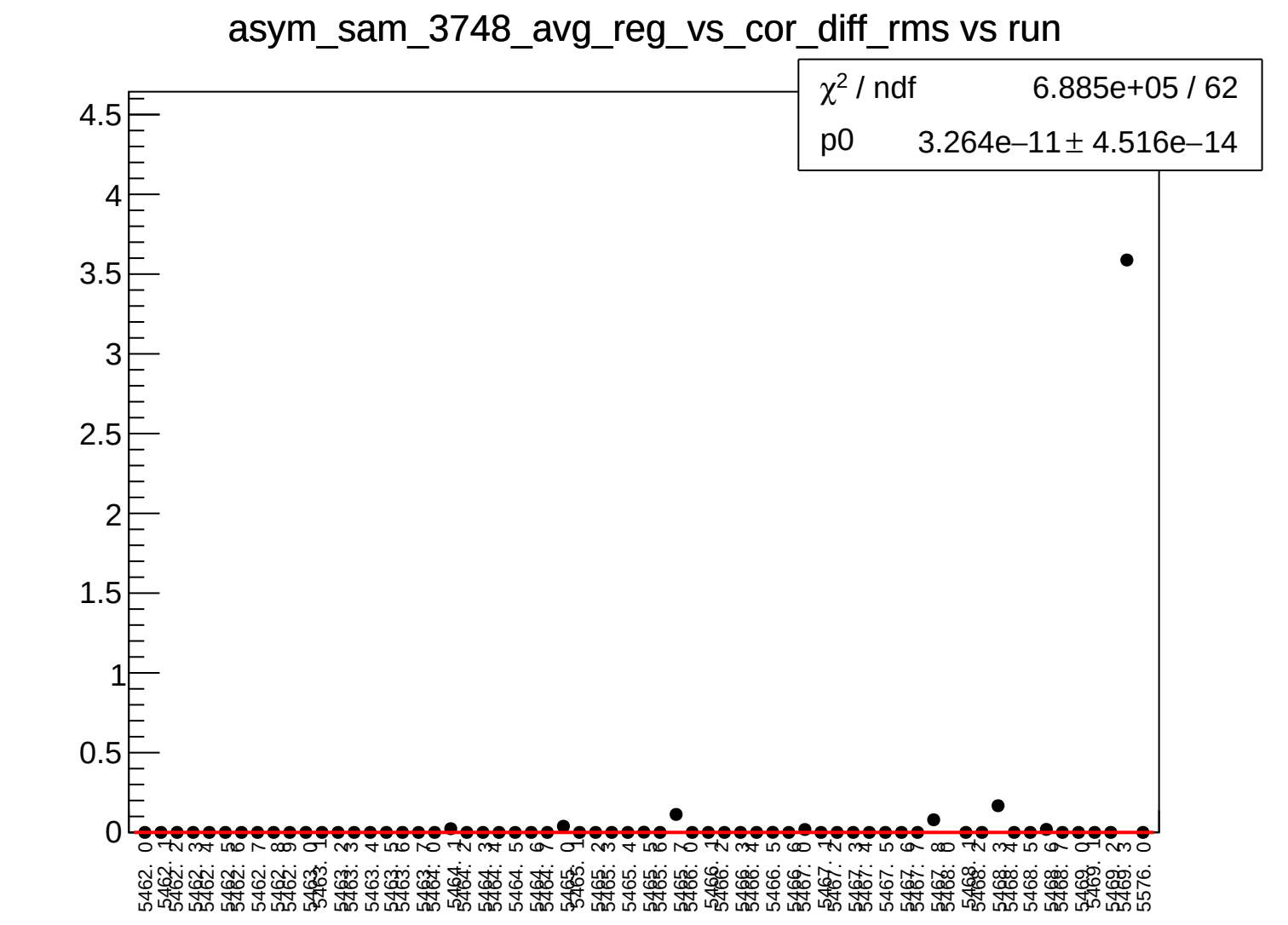

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1019 / 62
p0 1096 ± 0.9961
1150
1100
1050
1000
950

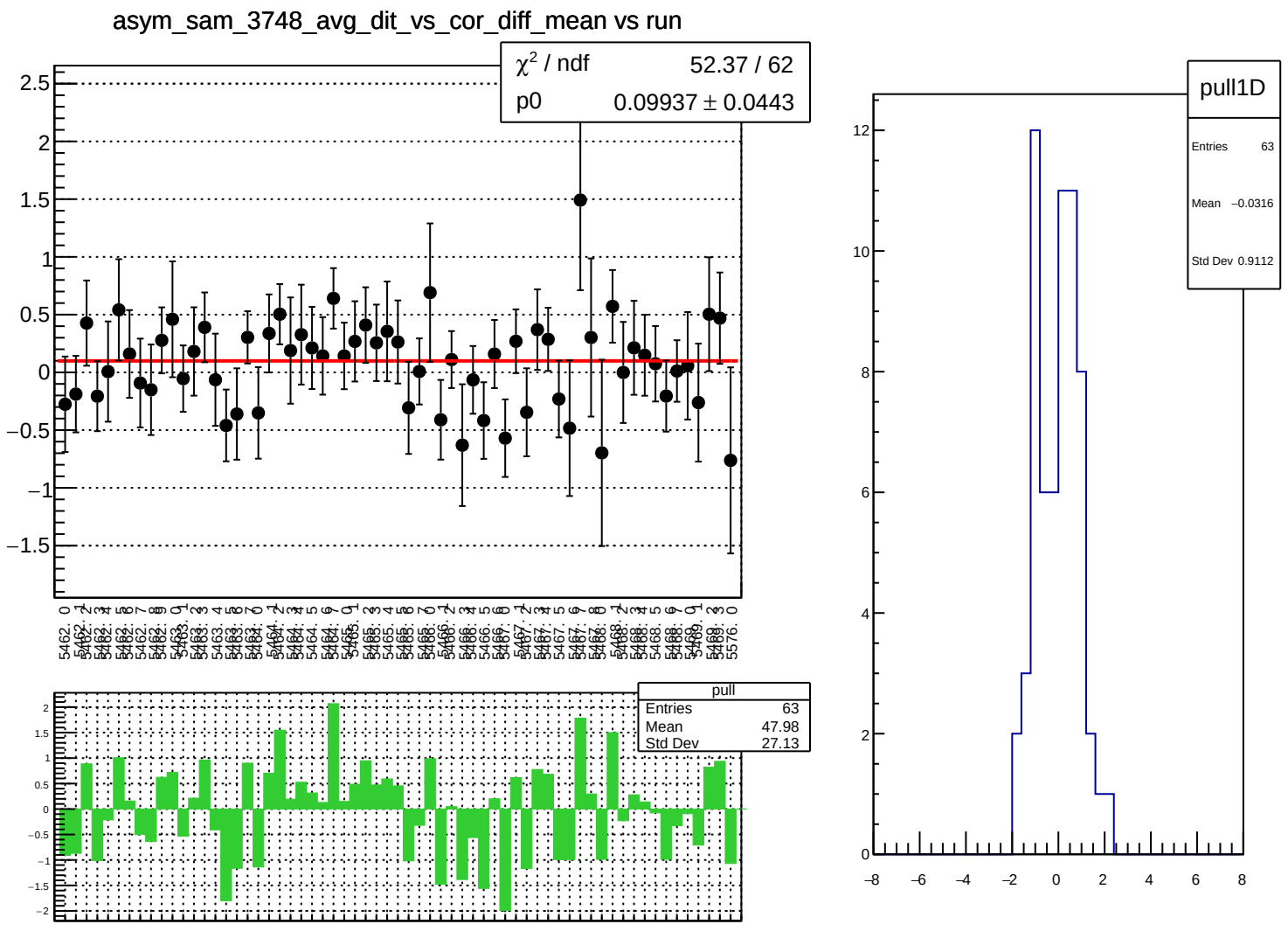

asym_sam_3748_avg_mean vs run
χ² / ndf 73.74 / 62
p0 −1107 ± 1445
40000
20000
0
−20000
−40000
pull
Entries 63
Mean −37.67
Std Dev 0
3
2
1
0
−1
−2
−3

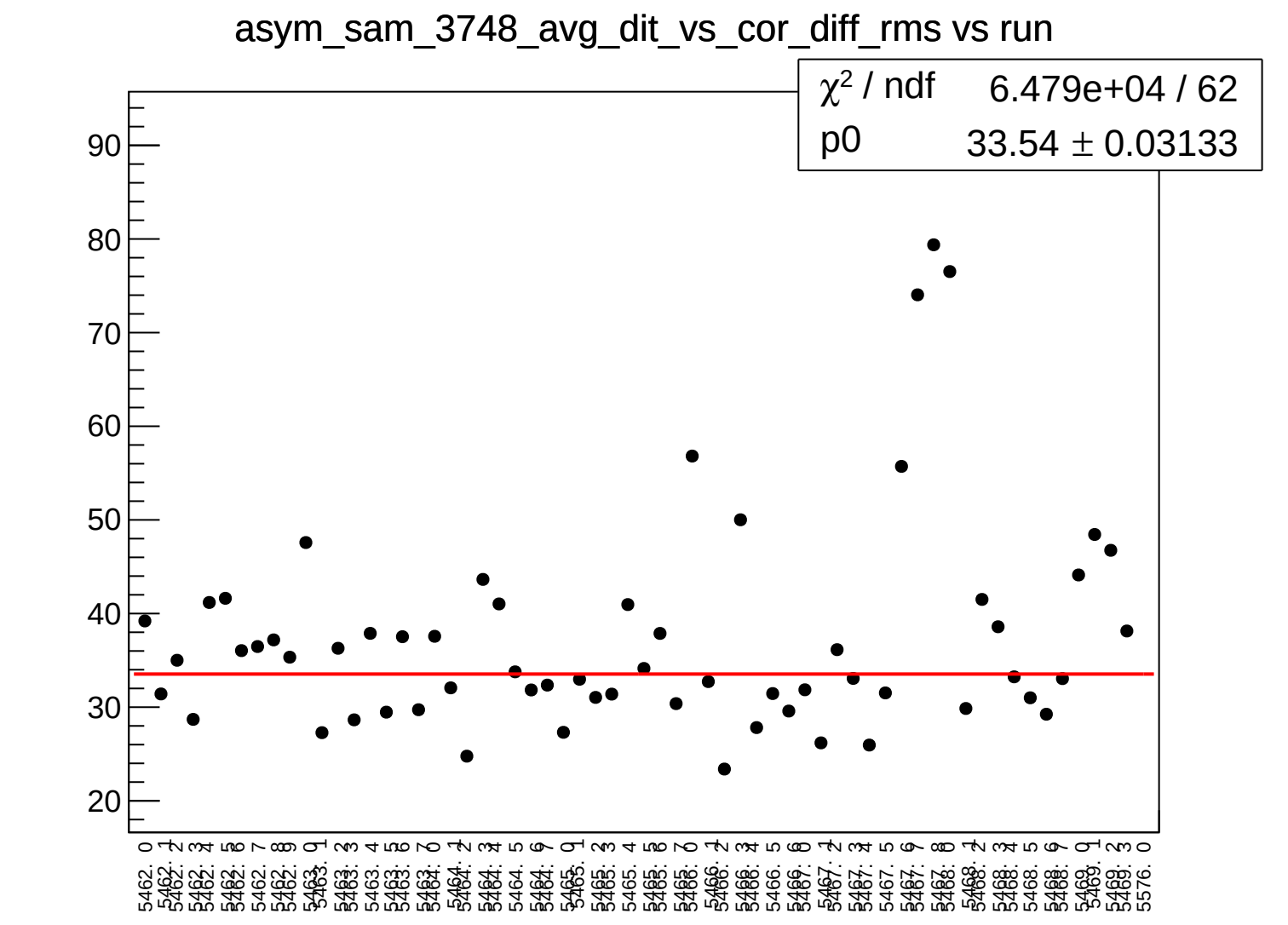

pull1D
Entries 63
Mean −0.0123
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

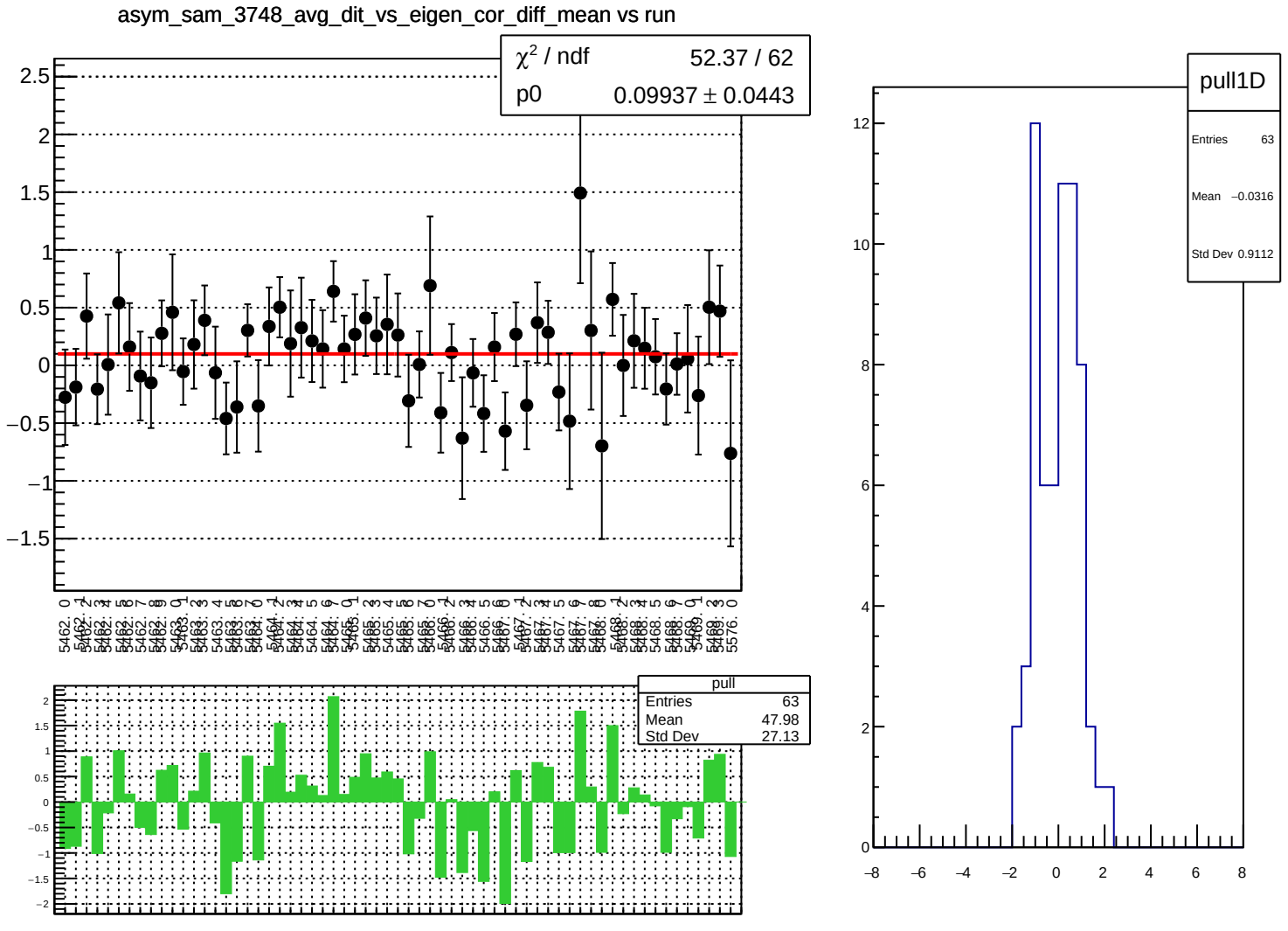

asym_sam_3748_avg_rms vs run
χ² / ndf 2591 / 62
p0 1123 ± 1.022
1250
1200
1150
1100
1050
1000
950
900
850

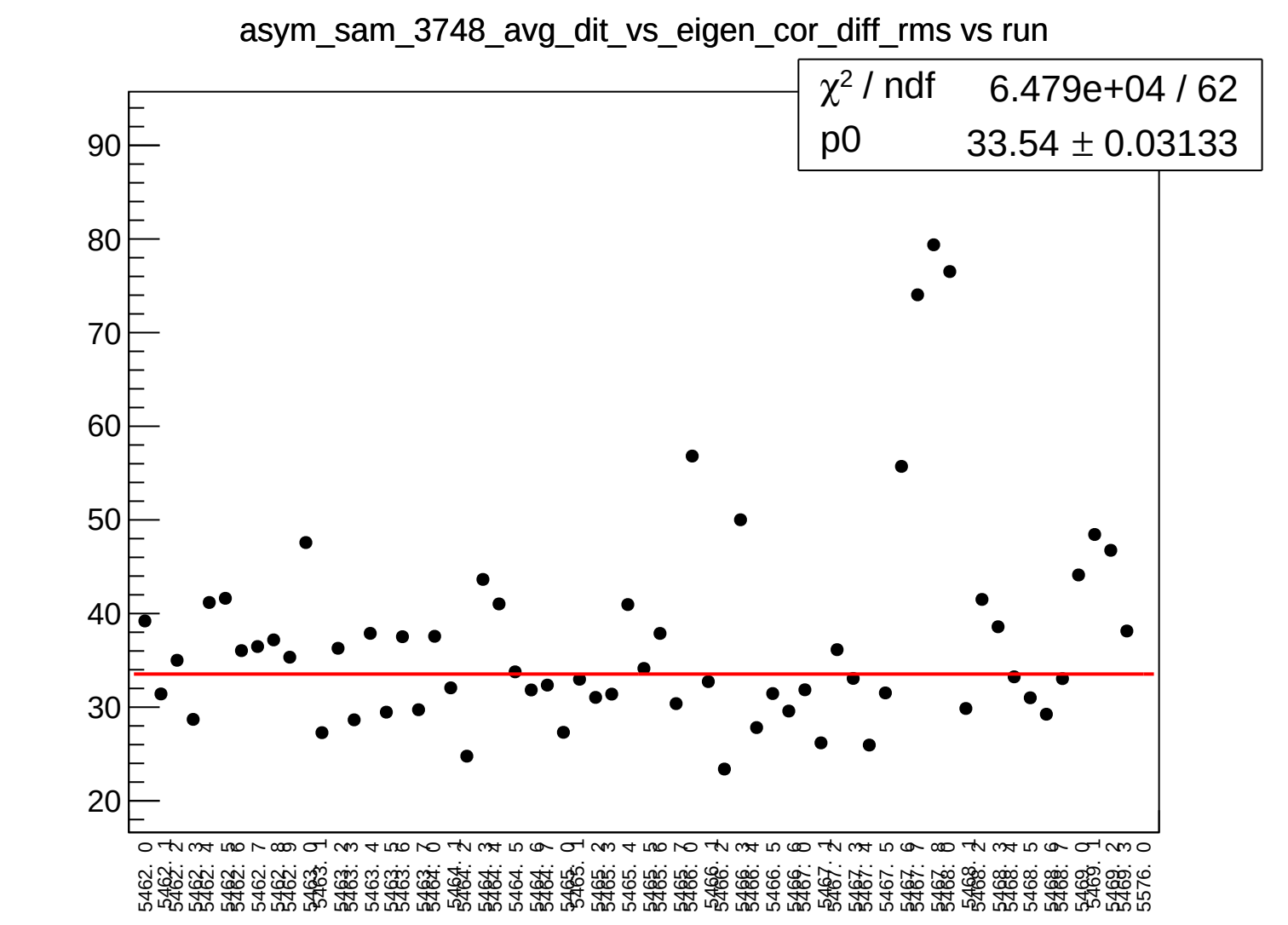

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.8 / 62
p0 1.582e−14 ± 6.387e−14
pull
Entries 63
Mean 26.79
Std Dev 16.19
pull1D
Entries 63
Mean 0.08599
Std Dev 0.954

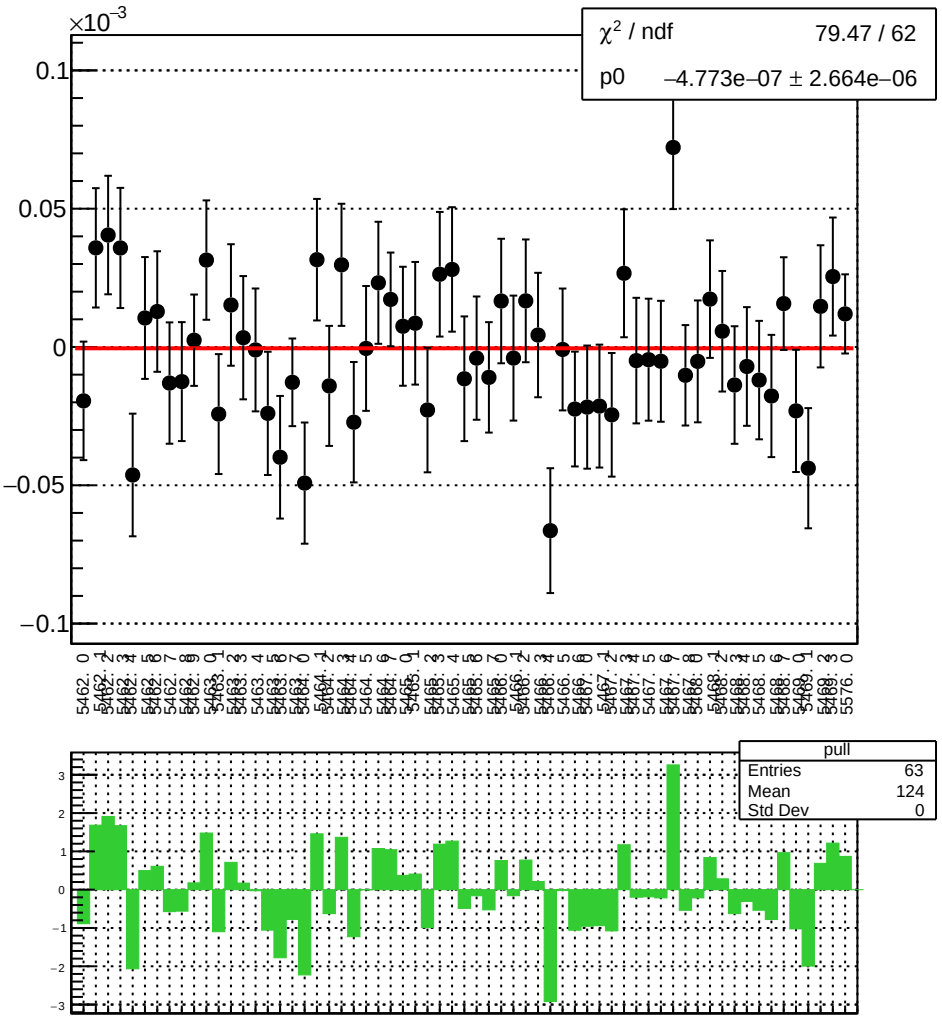

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.885e+05 / 62
p0 3.264e−11 ± 4.516e−14
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

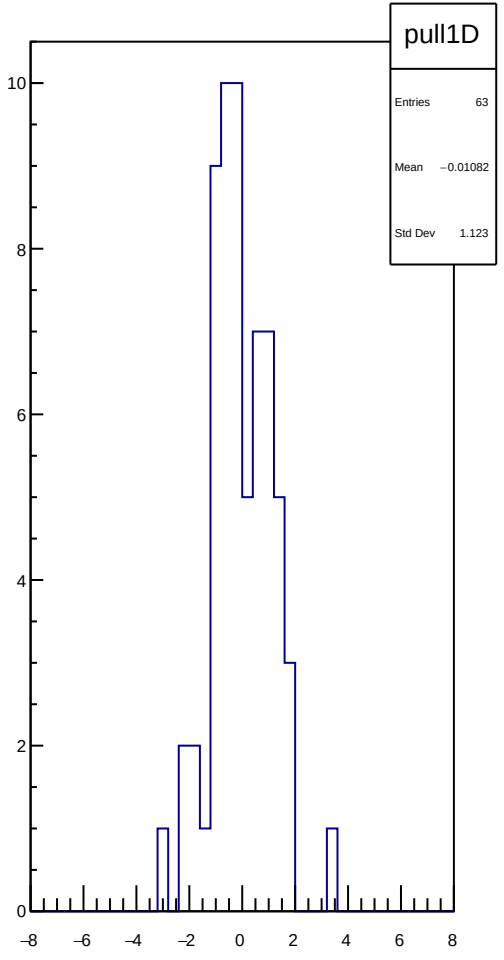

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.09937 ± 0.0443
pull
Entries 63
Mean 47.98
Std Dev 27.13
pull1D
Entries 63
Mean −0.0316
Std Dev 0.9112

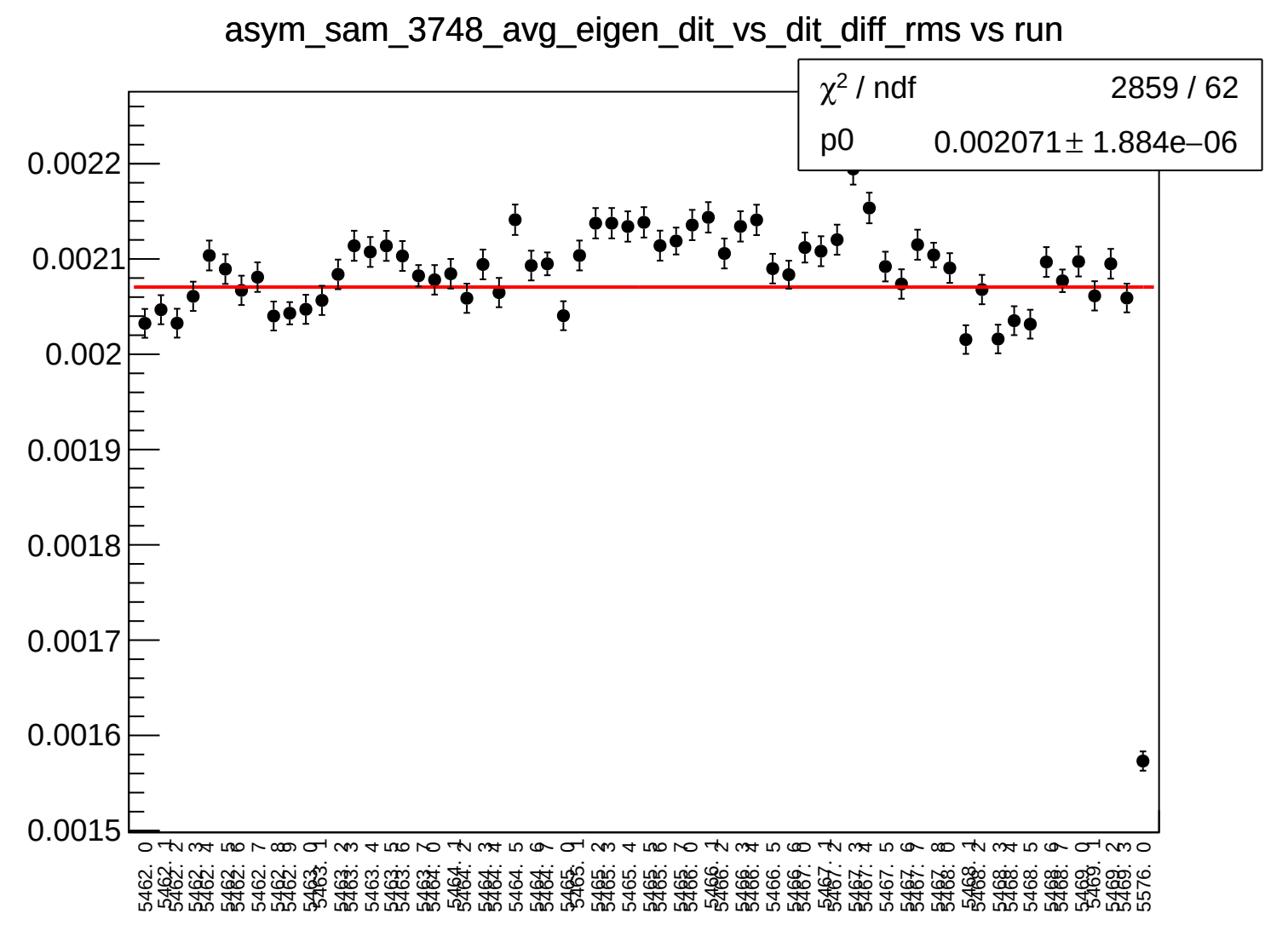

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.479e+04 / 62
p0 33.54 ± 0.03133
90
80
70
60
50
40
30
20

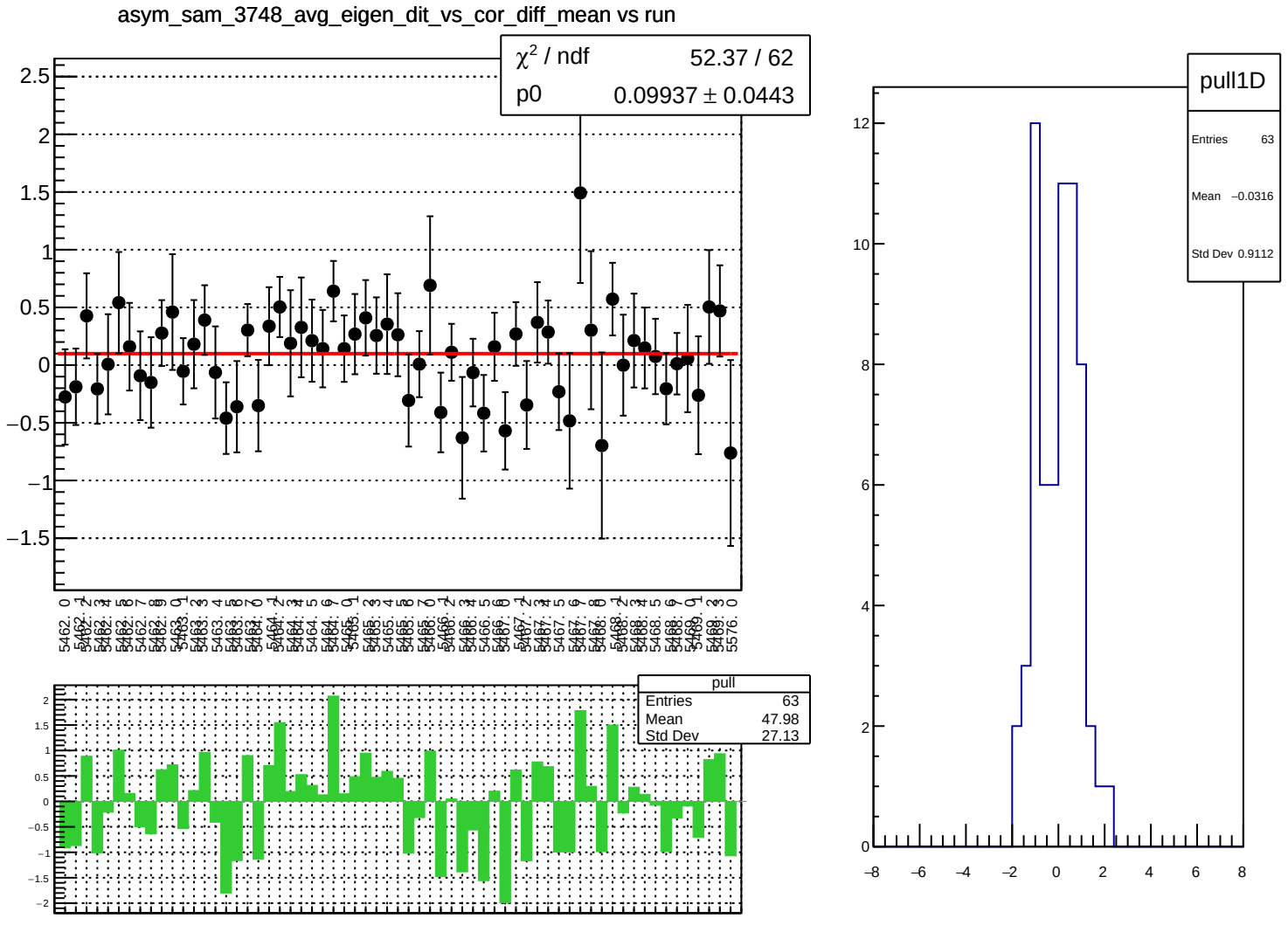

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.09937 ± 0.0443
pull
Entries 63
Mean 47.98
Std Dev 27.13
pull1D
Entries 63
Mean −0.0316
Std Dev 0.9112

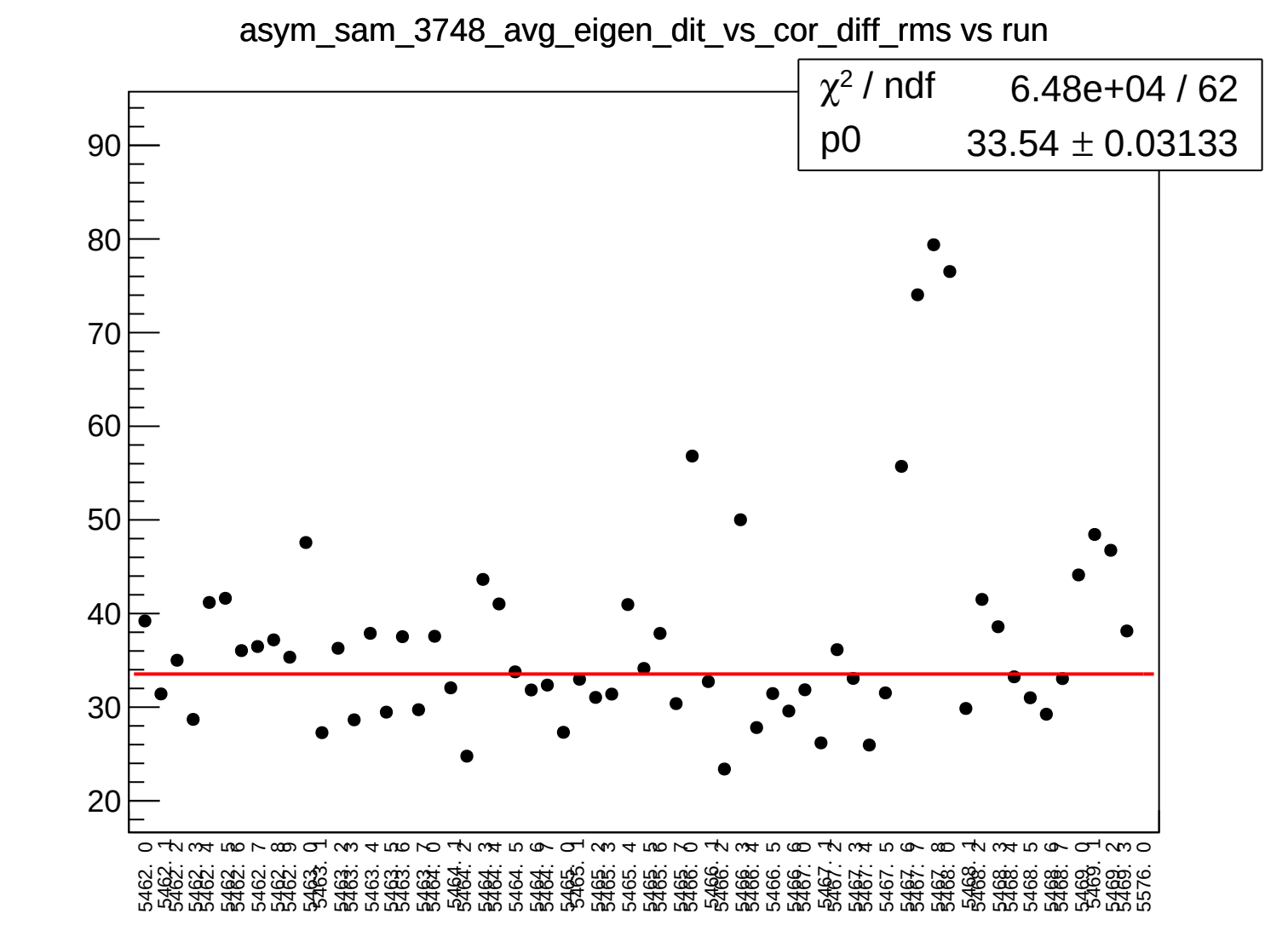

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.479e+04 / 62
p0 33.54 ± 0.03133
90
80
70
60
50
40
30
20

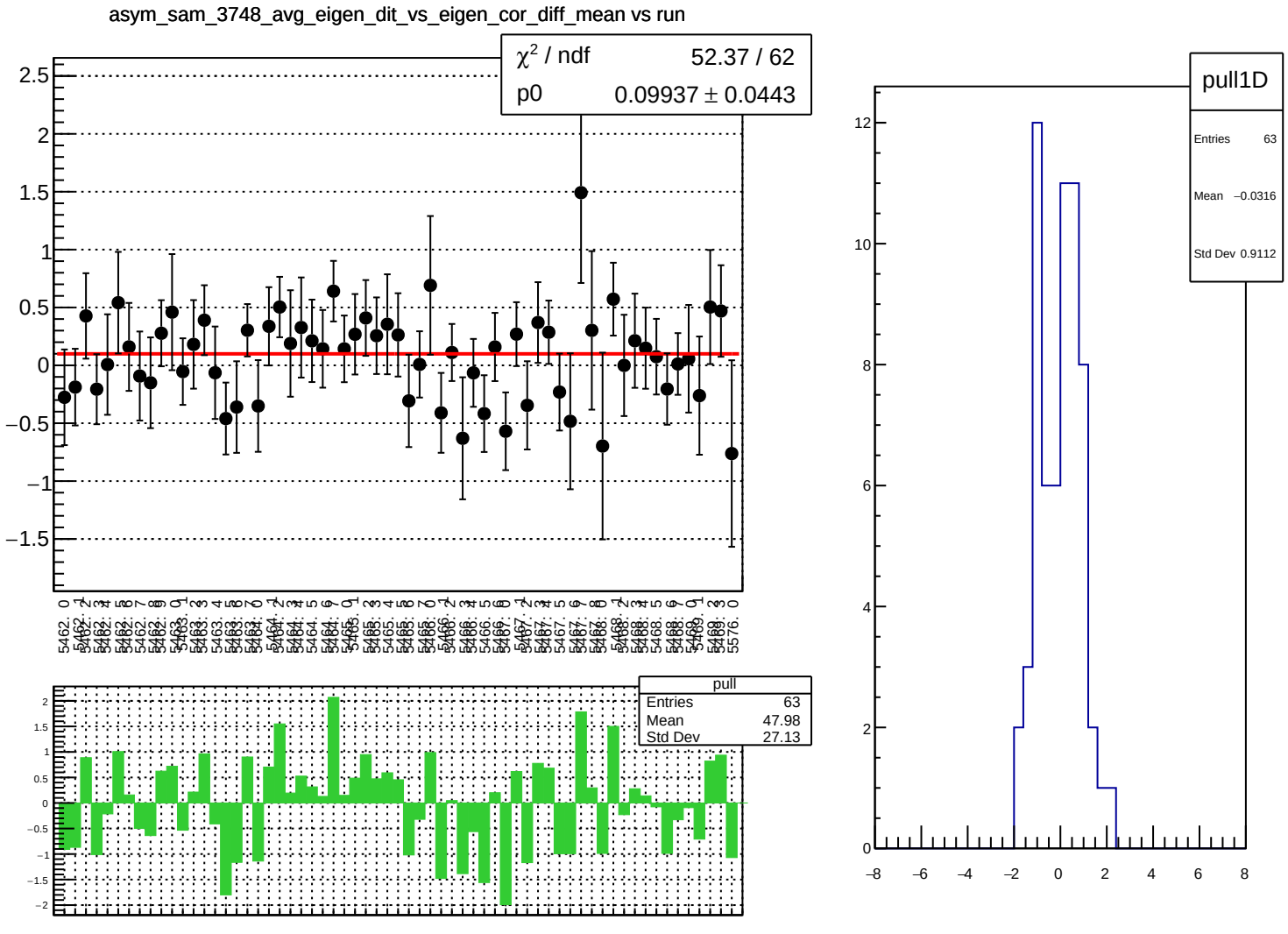

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.47 / 62
p0 −4.773e−07 ± 2.664e−06
pull
Entries 63
Mean 124
Std Dev 0

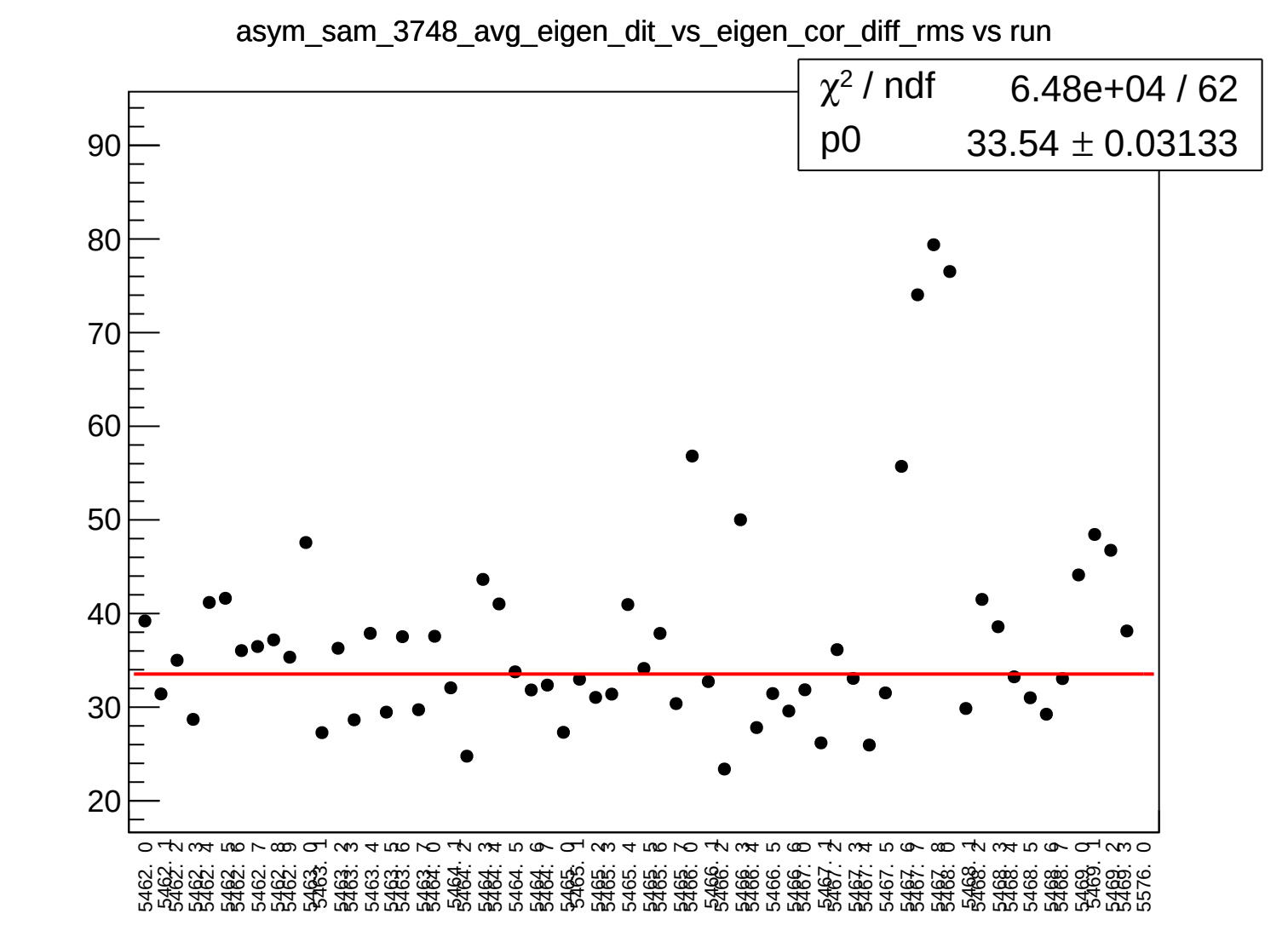

pull1D
Entries 63
Mean −0.01082
Std Dev 1.123

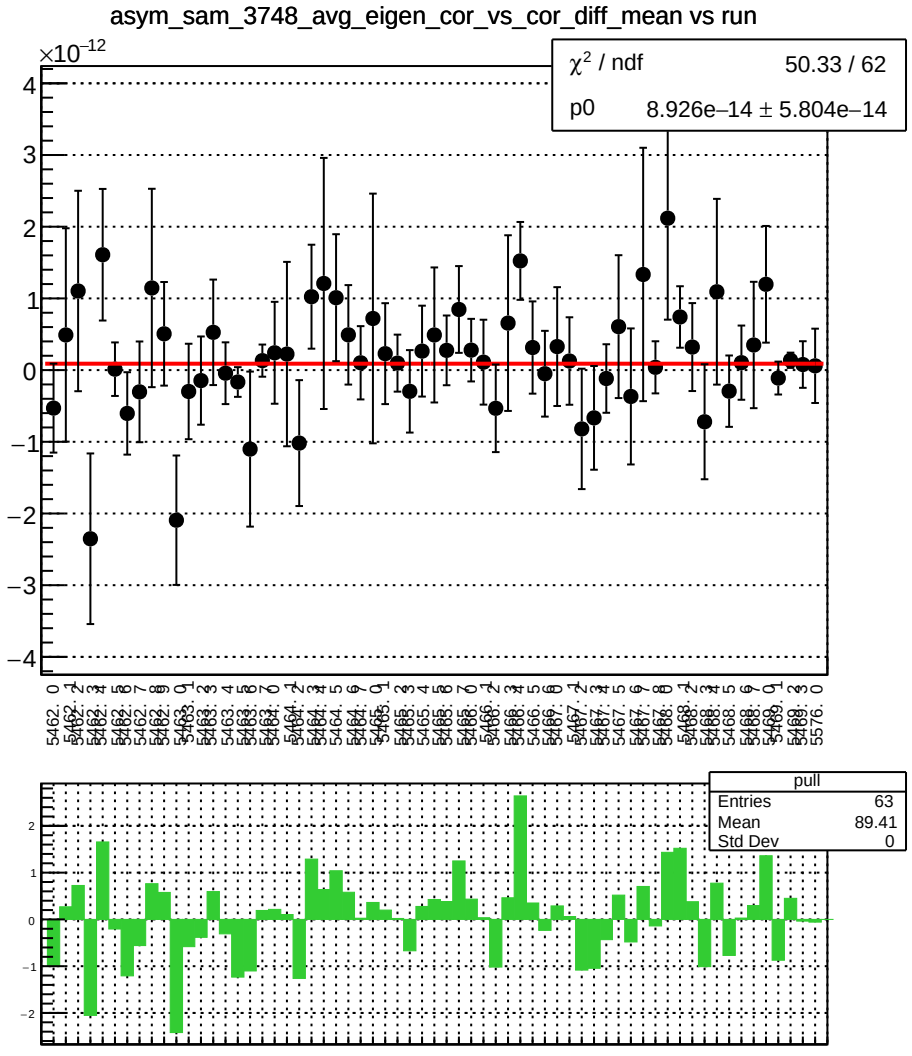

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2859 / 62
p0 0.002071 ± 1.884e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

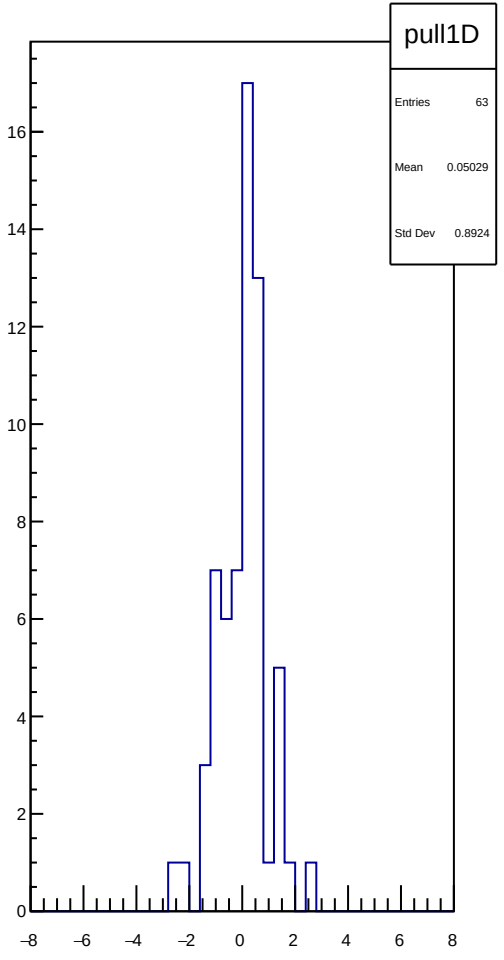

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.09937 ± 0.0443
pull
Entries 63
Mean 47.98
Std Dev 27.13
pull1D
Entries 63
Mean −0.0316
Std Dev 0.9112

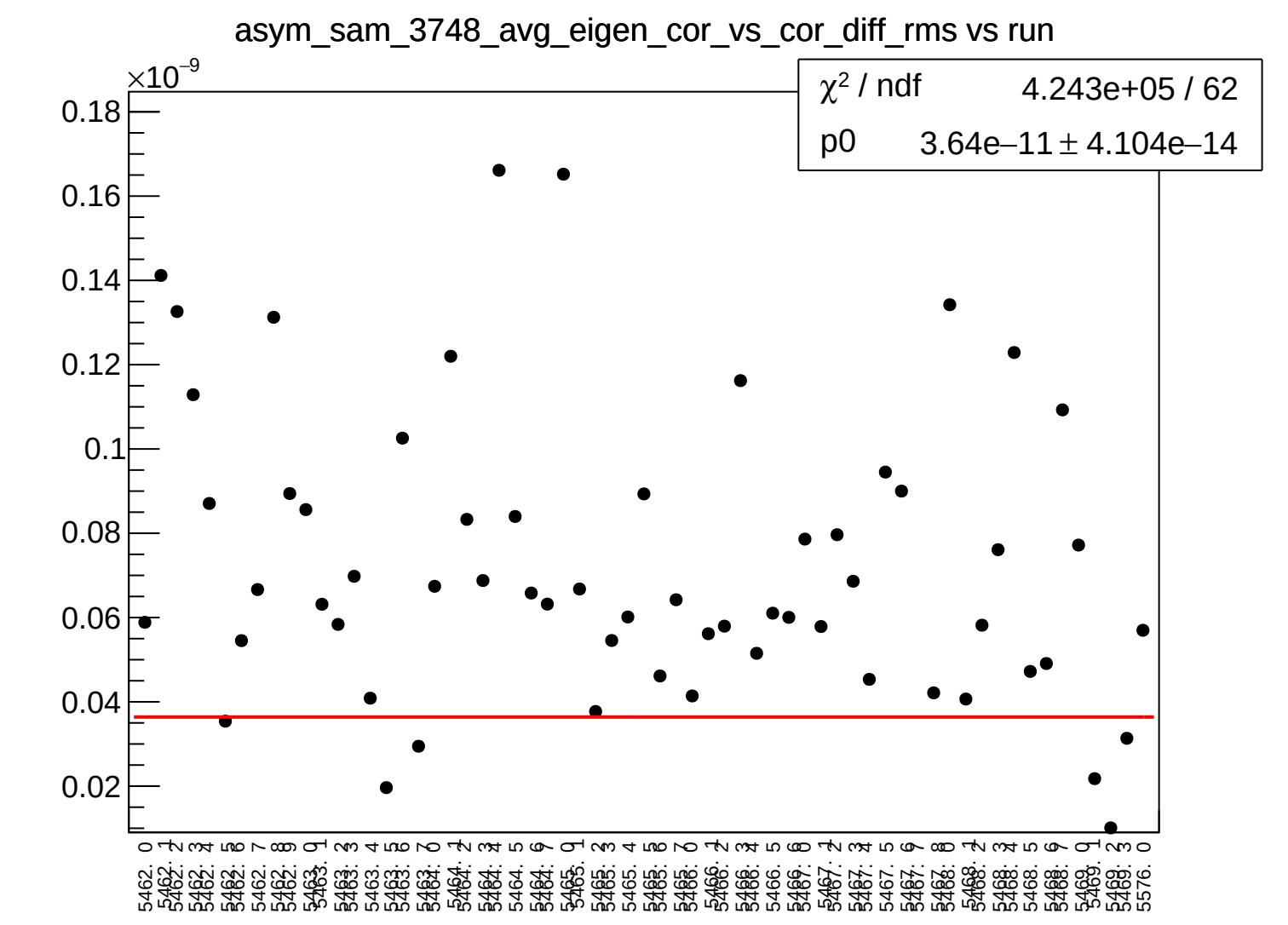

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.48e+04 / 62
p0 33.54 ± 0.03133
90
80
70
60
50
40
30
20

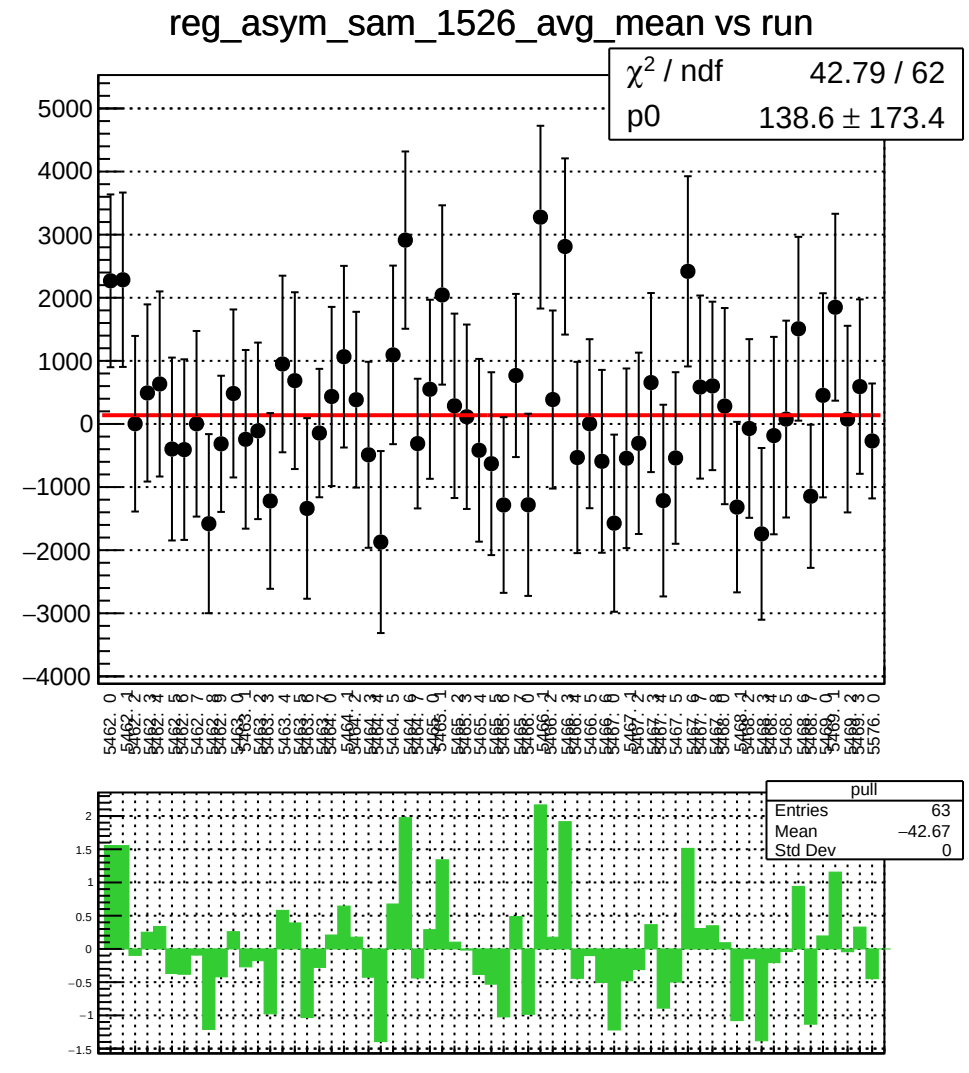

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 62
p0 0.09937 ± 0.0443
pull
Entries 63
Mean 47.98
Std Dev 27.13
pull1D
Entries 63
Mean −0.0316
Std Dev 0.9112

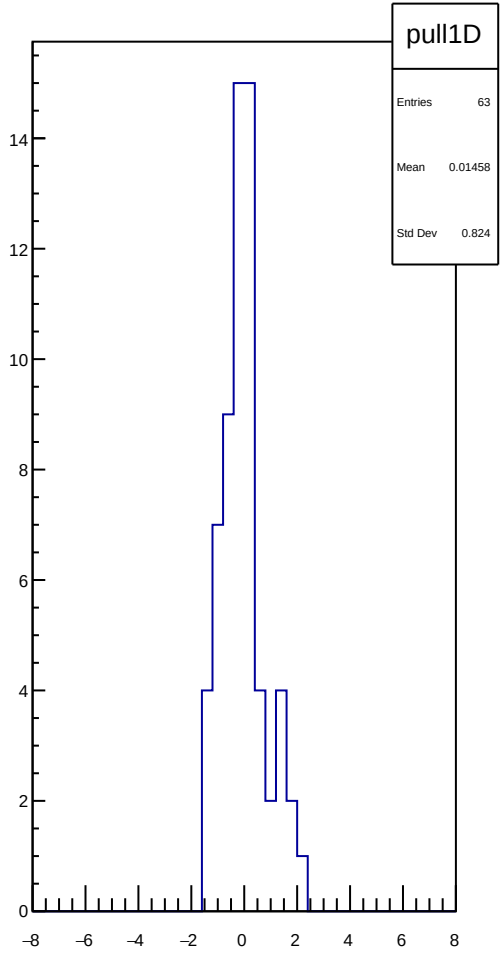

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.48e+04 / 62
p0 33.54 ± 0.03133
90
80
70
60
50
40
30
20

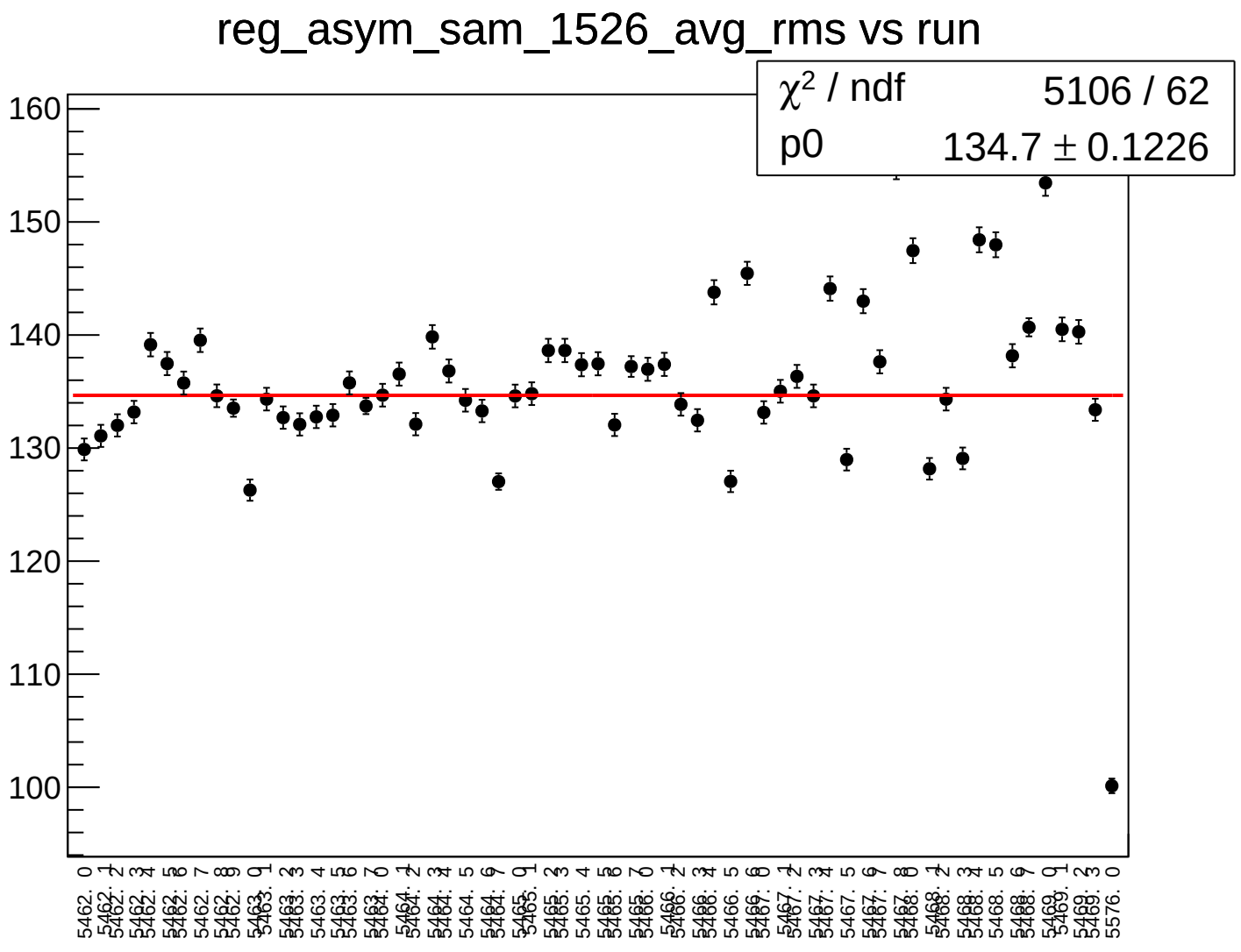

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.33 / 62
p0 8.926e−14 ± 5.804e−14
pull
Entries 63
Mean 89.41
Std Dev 0

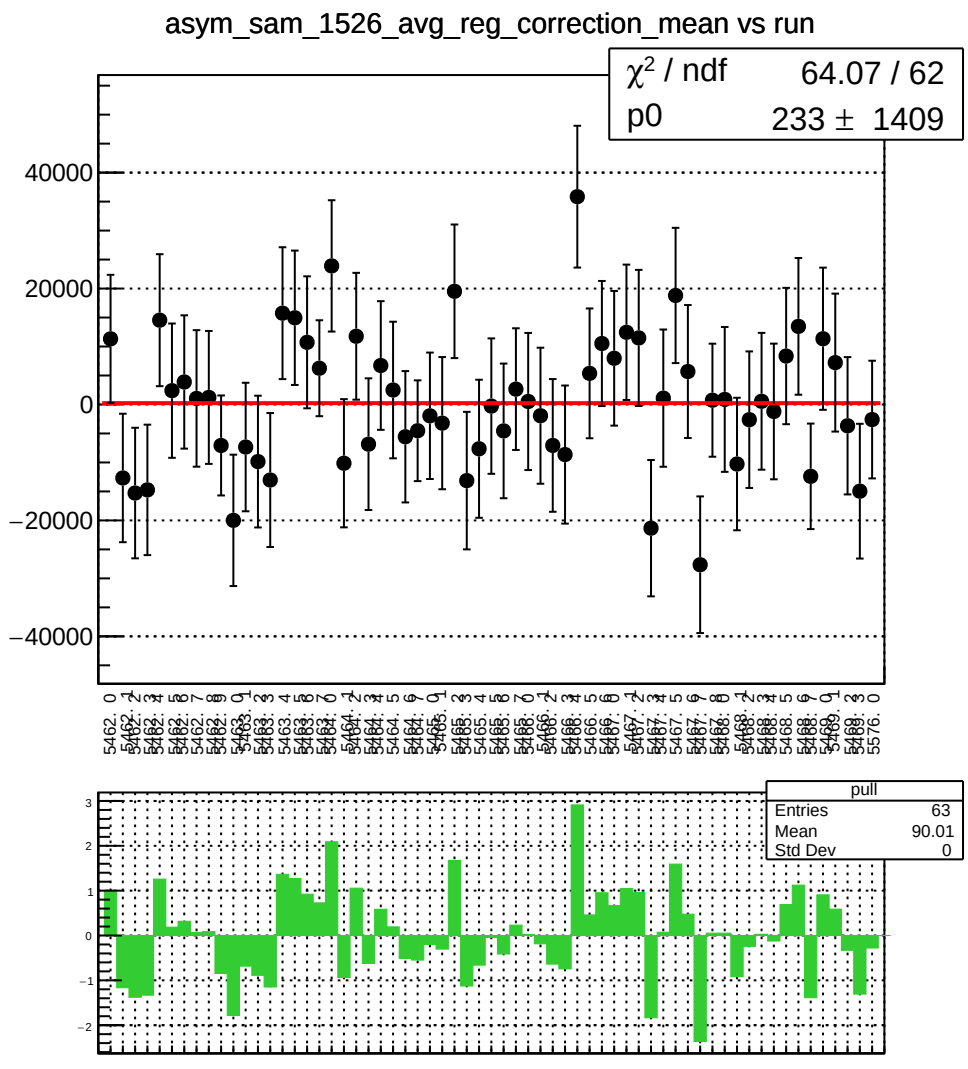

pull1D
Entries 63
Mean 0.05029
Std Dev 0.8924

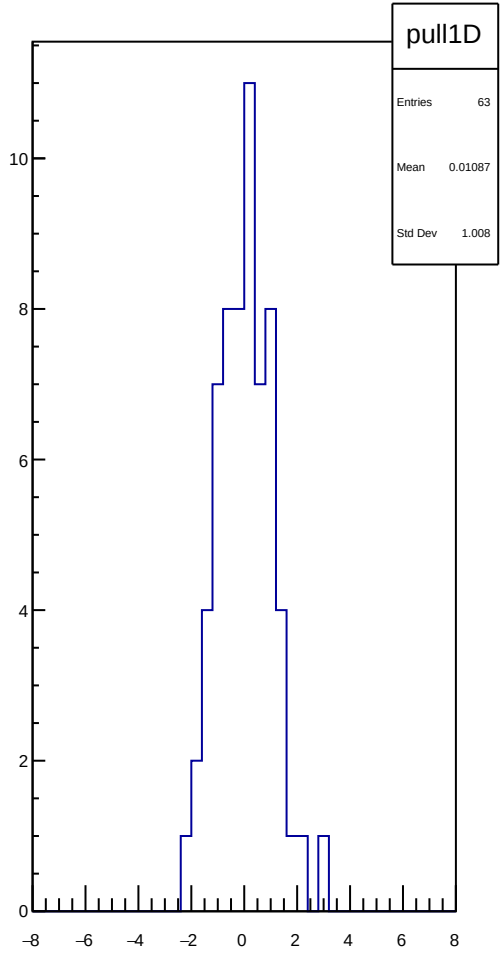

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.243e+05 / 62
p0 3.64e−11 ± 4.104e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

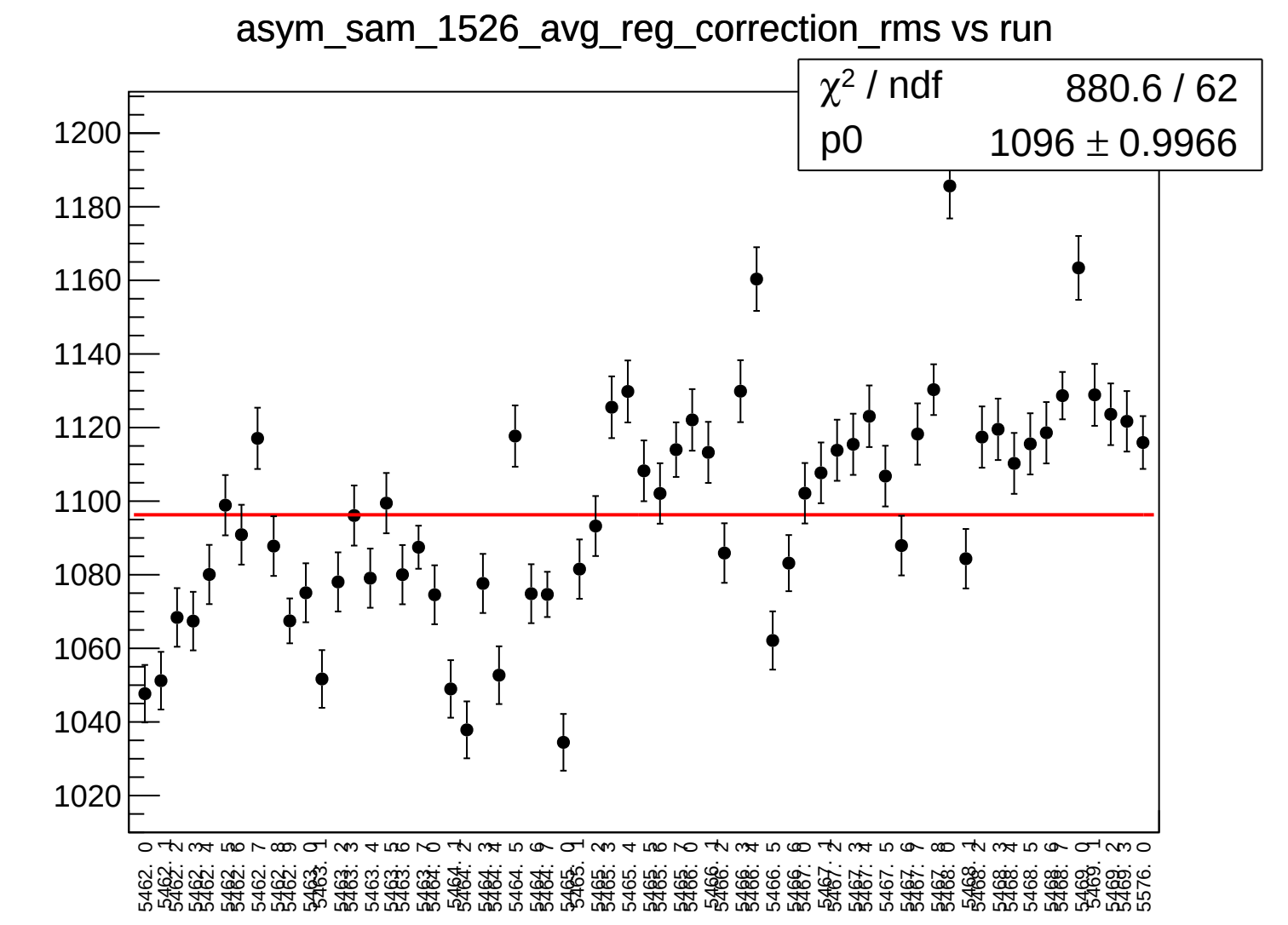

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 42.79 / 62
p0 138.6 ± 173.4
pull
Entries 63
Mean −42.67
Std Dev 0

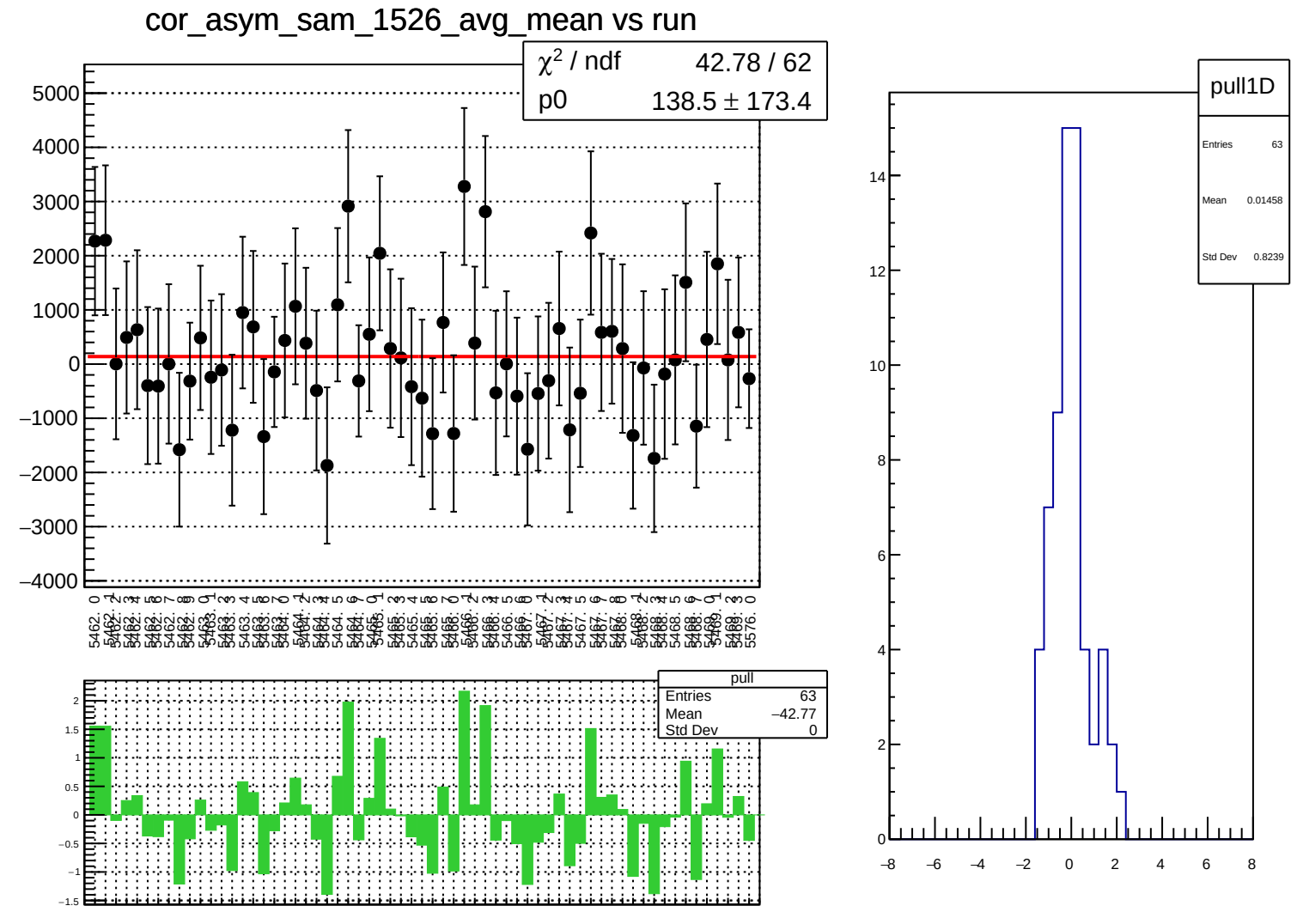

pull1D
Entries 63
Mean 0.01458
Std Dev 0.824

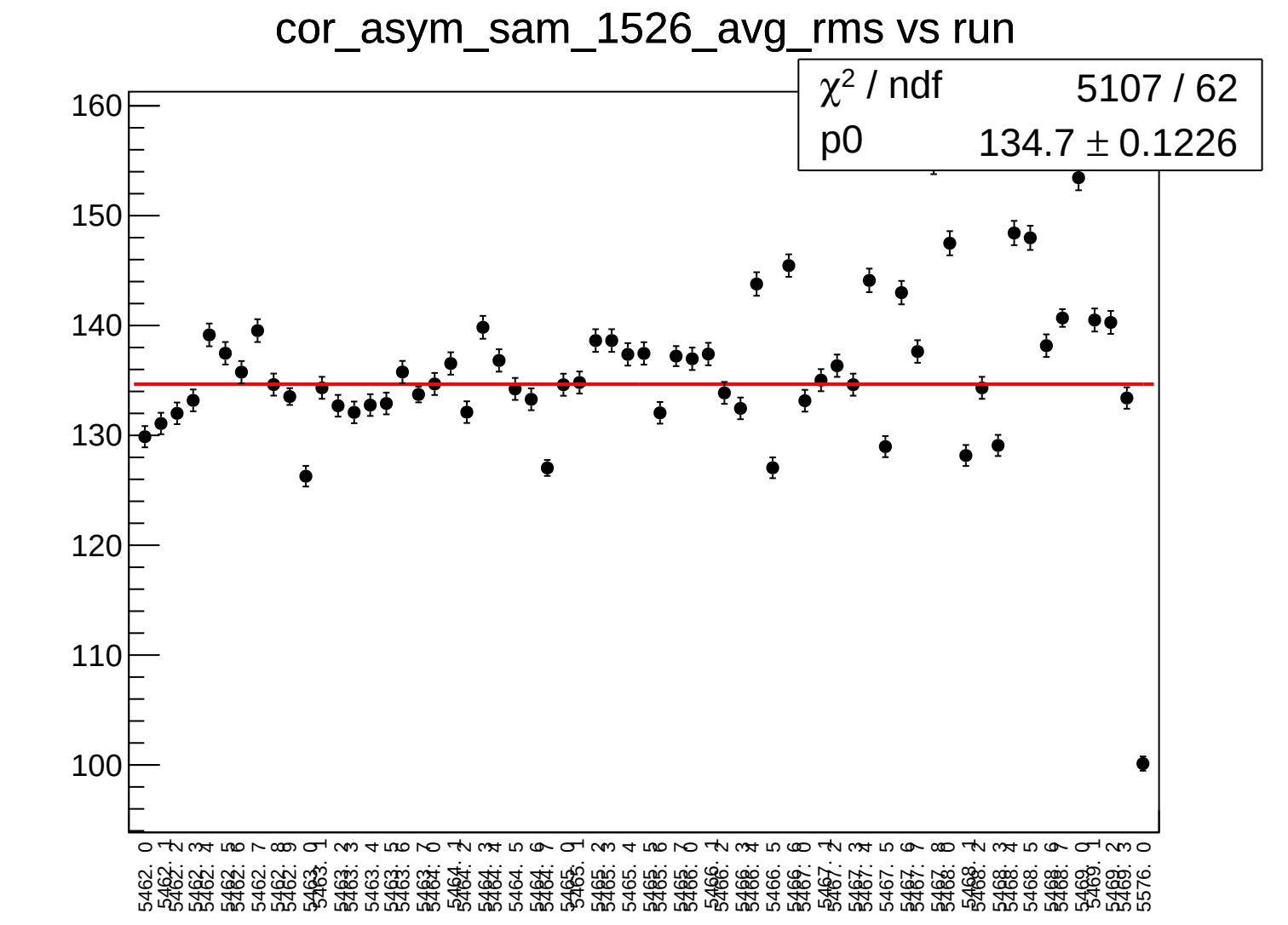

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 5106 / 62
p0 134.7 ± 0.1226
160
150
140
130
120
110
100

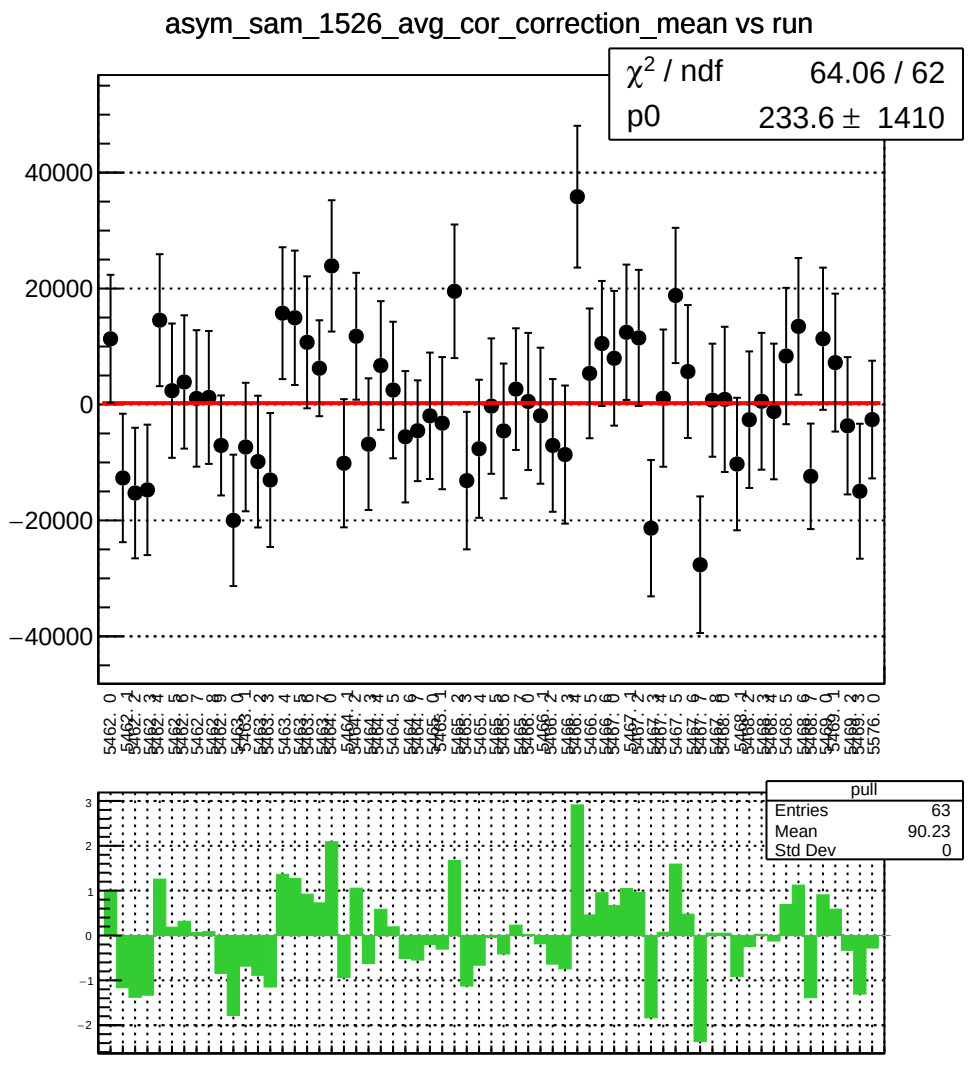

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 64.07 / 62
p0 233 ± 1409
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 90.01
Std Dev 0
3
2
1
0
−1
−2

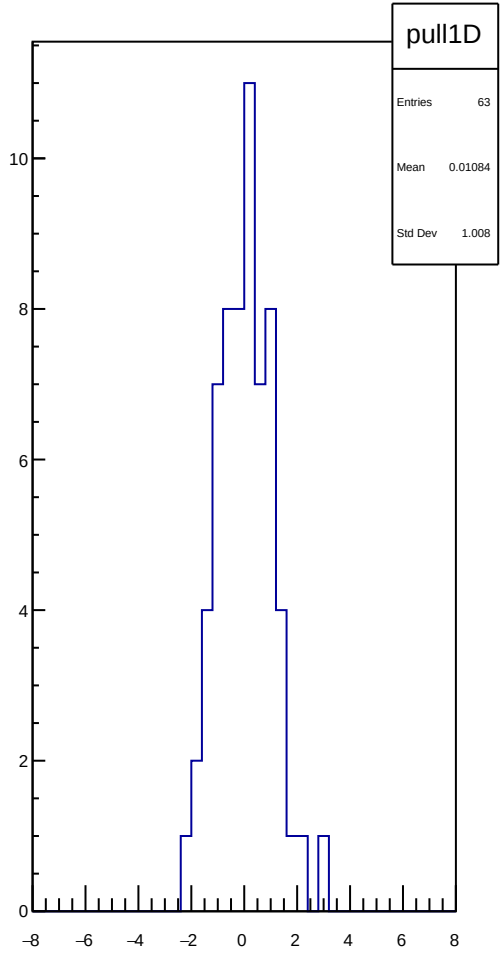

pull1D
Entries 63
Mean 0.01087
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

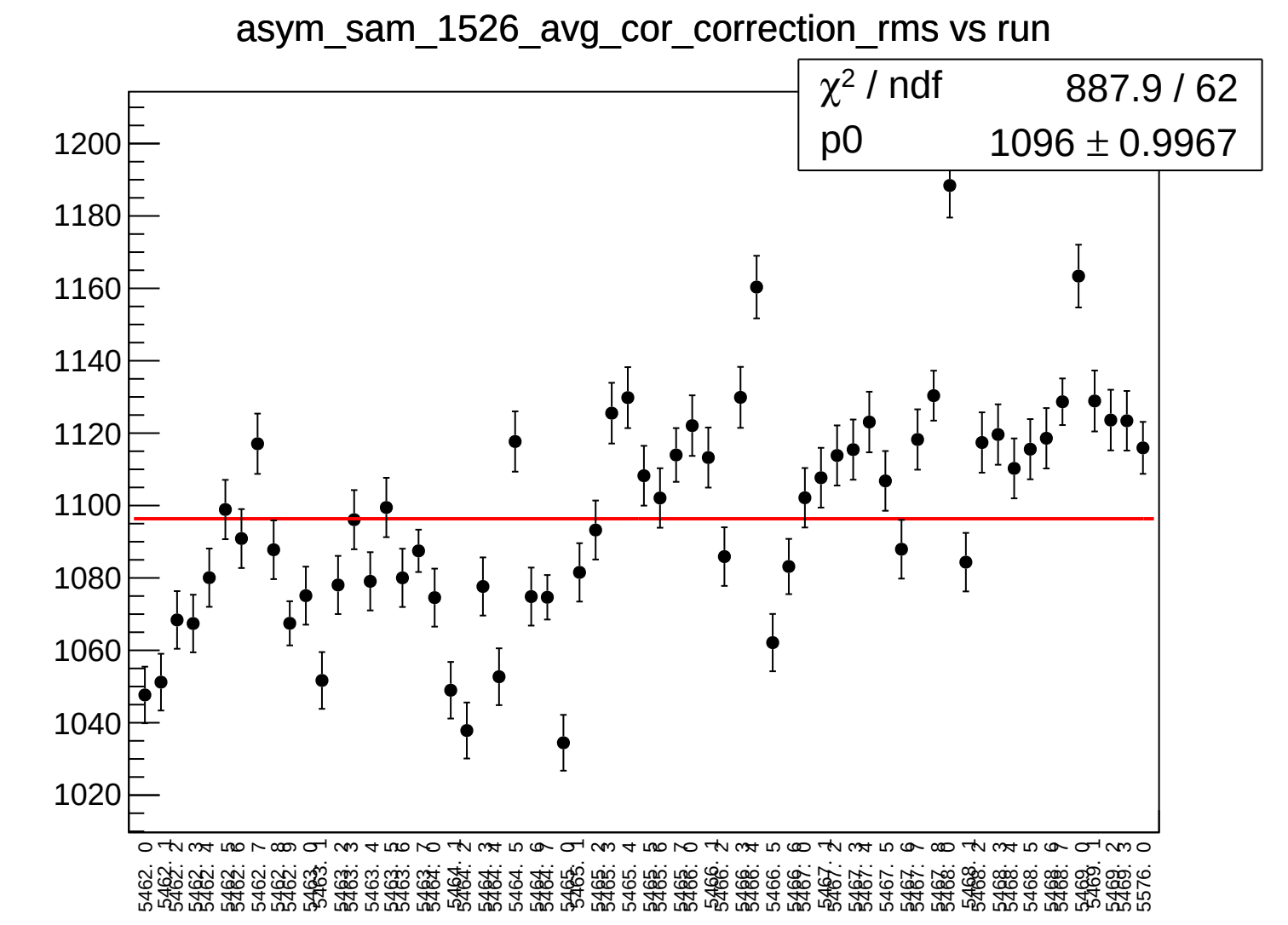

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 880.6 / 62
p0 1096 ± 0.9966
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

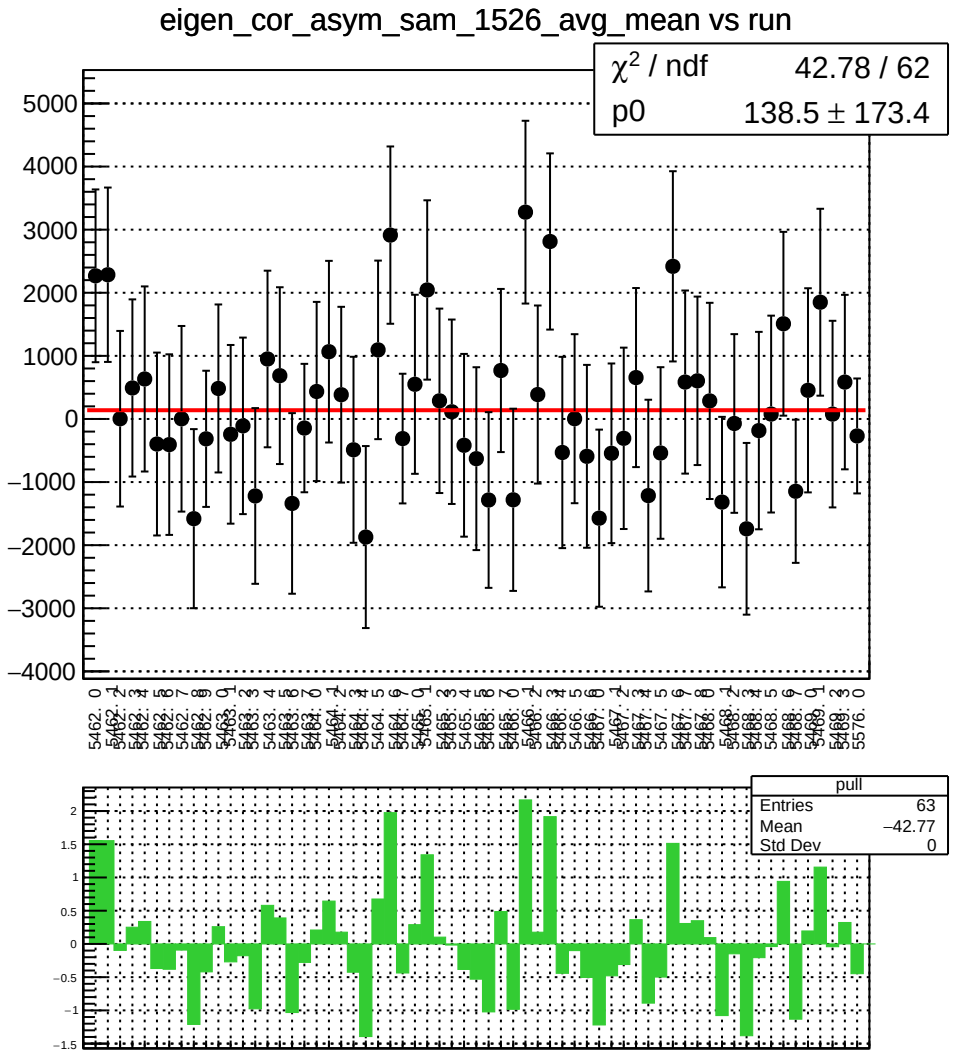

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 42.78 / 62
p0 138.5 ± 173.4
pull
Entries 63
Mean −42.77
Std Dev 0
pull1D
Entries 63
Mean 0.01458
Std Dev 0.8239

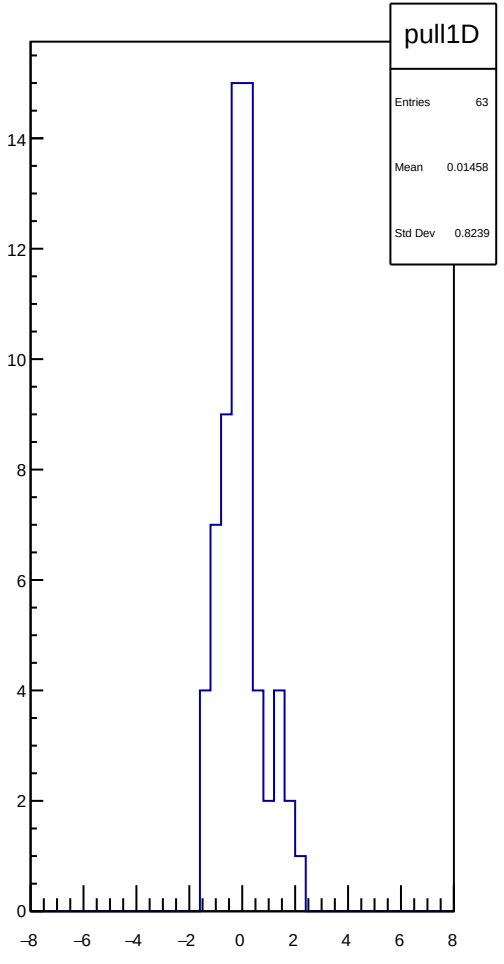

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 5107 / 62
p0 134.7 ± 0.1226
160
150
140
130
120
110
100

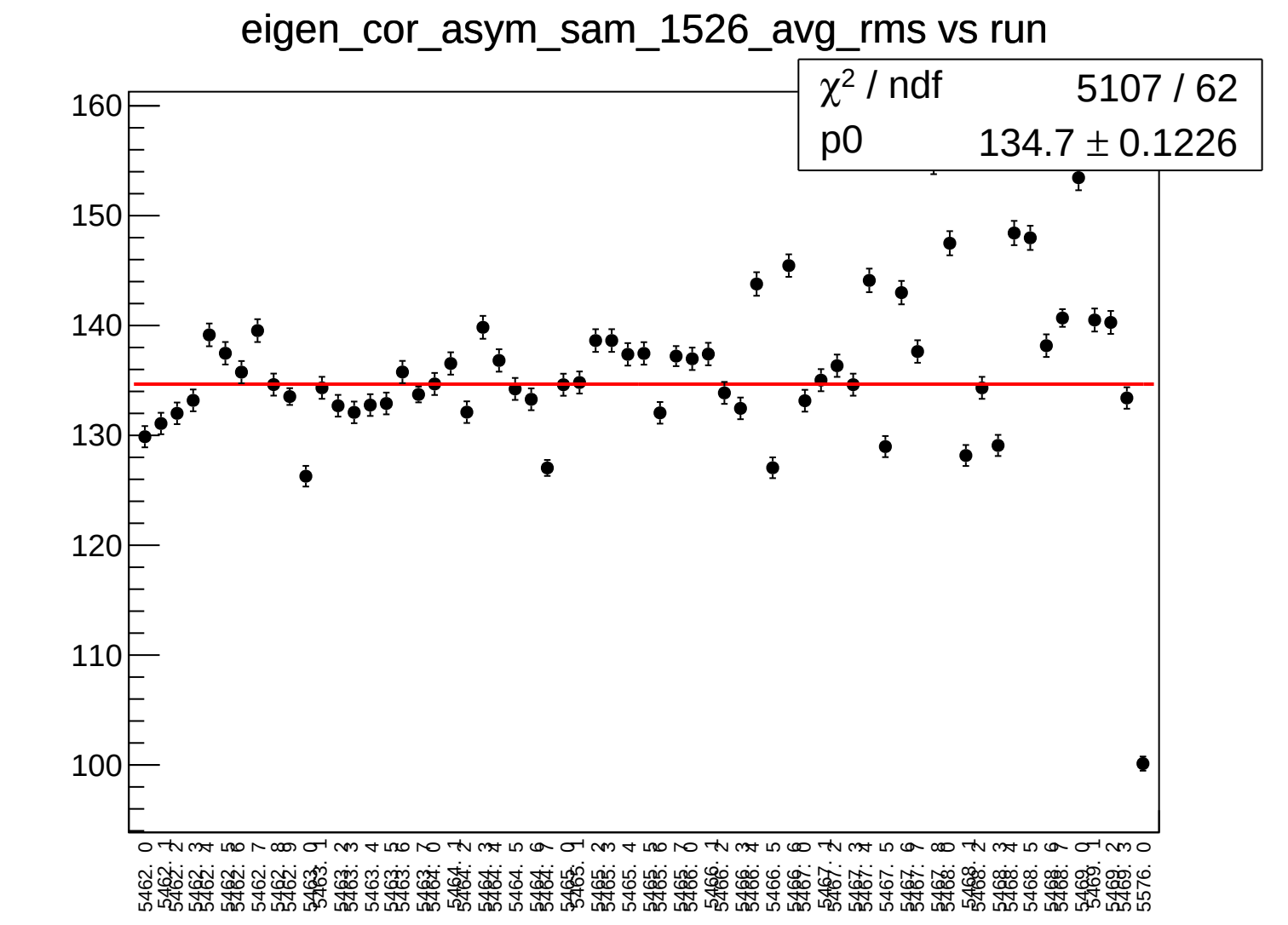

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 64.06 / 62
p0 233.6 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 90.23
Std Dev 0
3
2
1
0
−1
−2

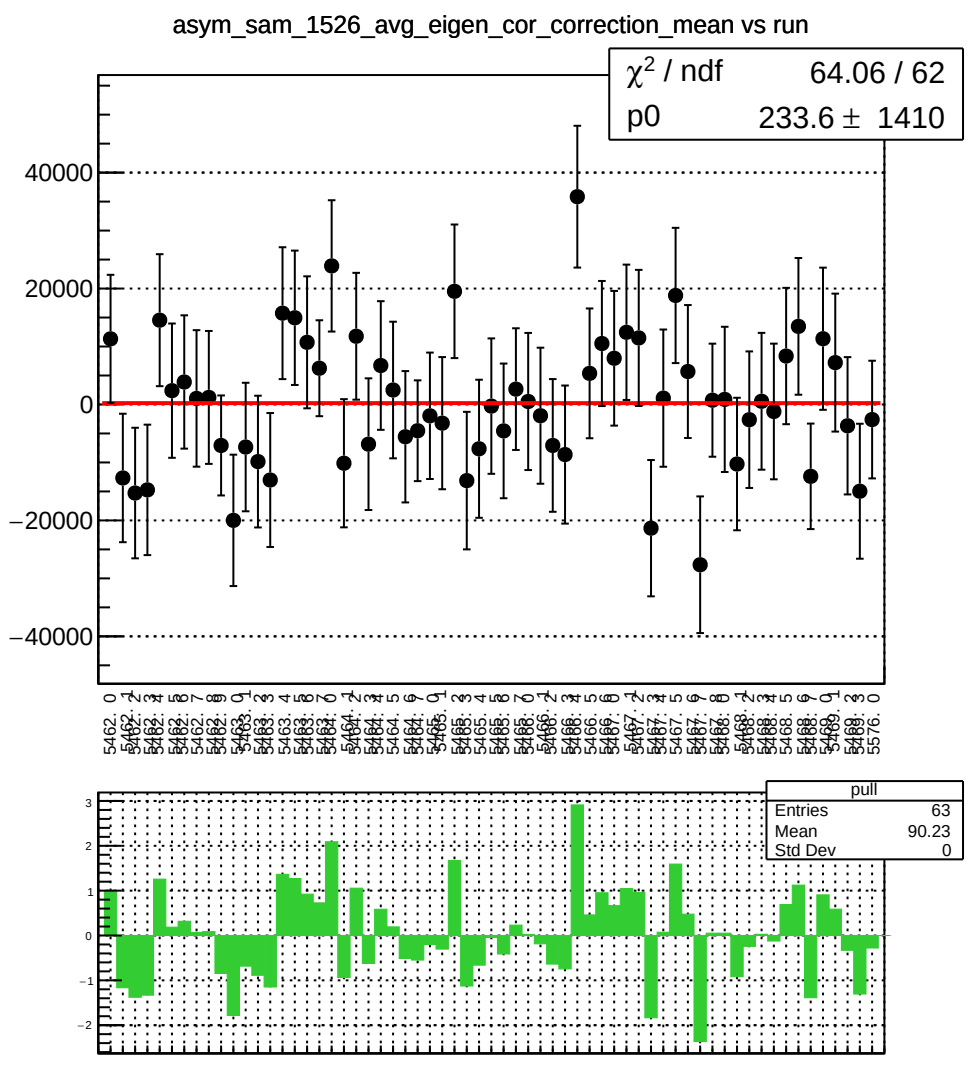

pull1D
Entries 63
Mean 0.01084
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

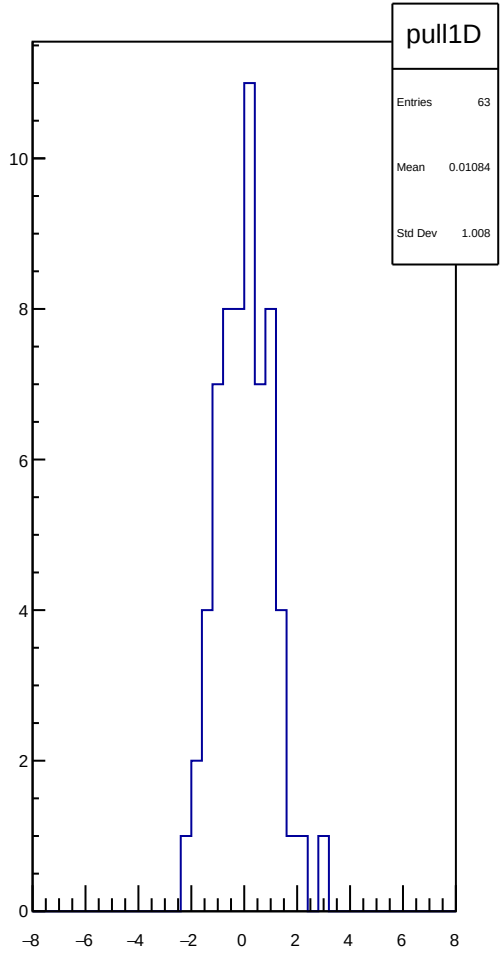

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 887.9 / 62
p0 1096 ± 0.9967
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

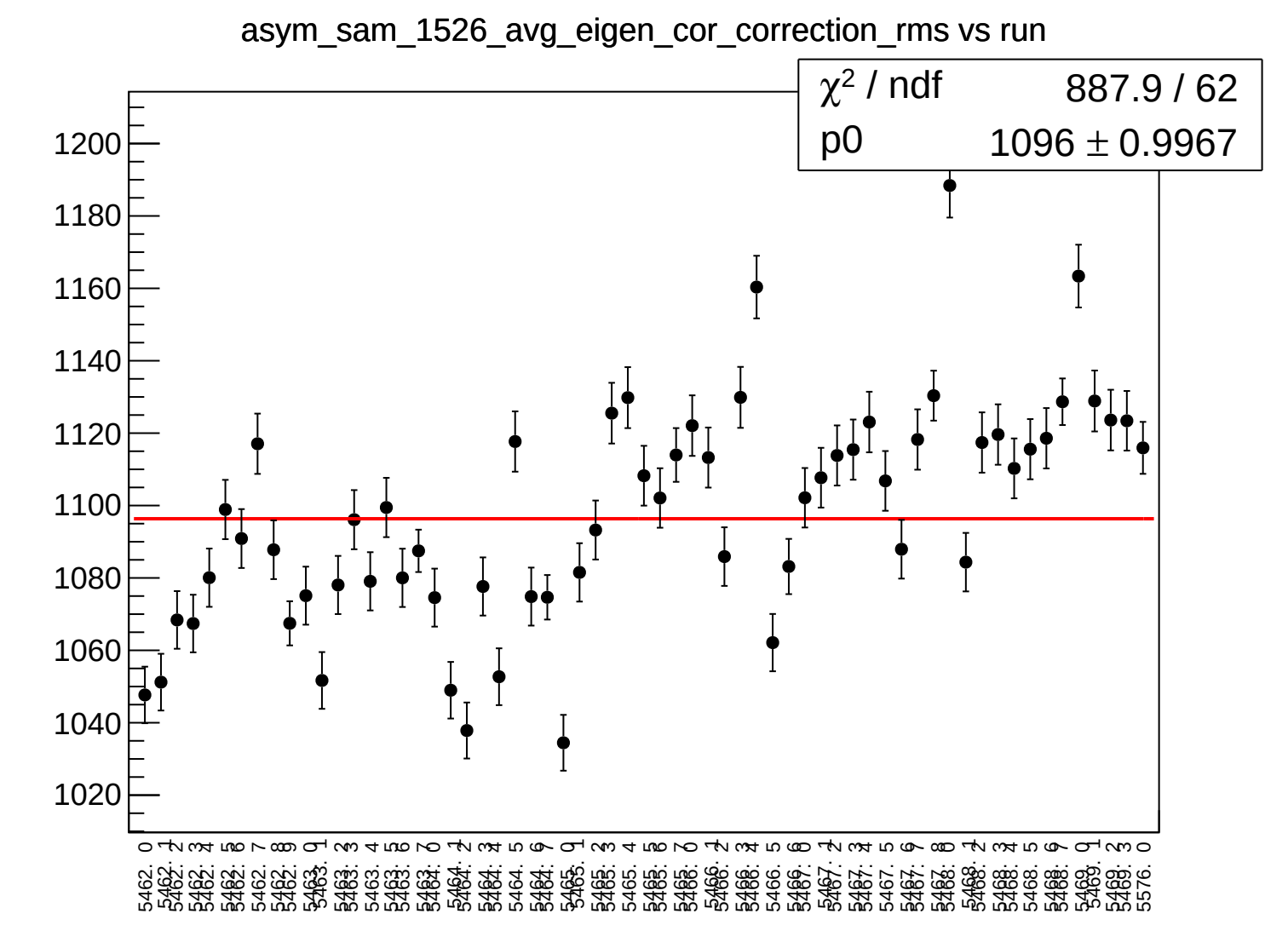

eigen_cor_asym_sam_1526_avg_mean vs run
χ^2 / ndf 42.78 / 62
p0 138.5 ± 173.4
pull
Entries 63
Mean −42.77
Std Dev 0

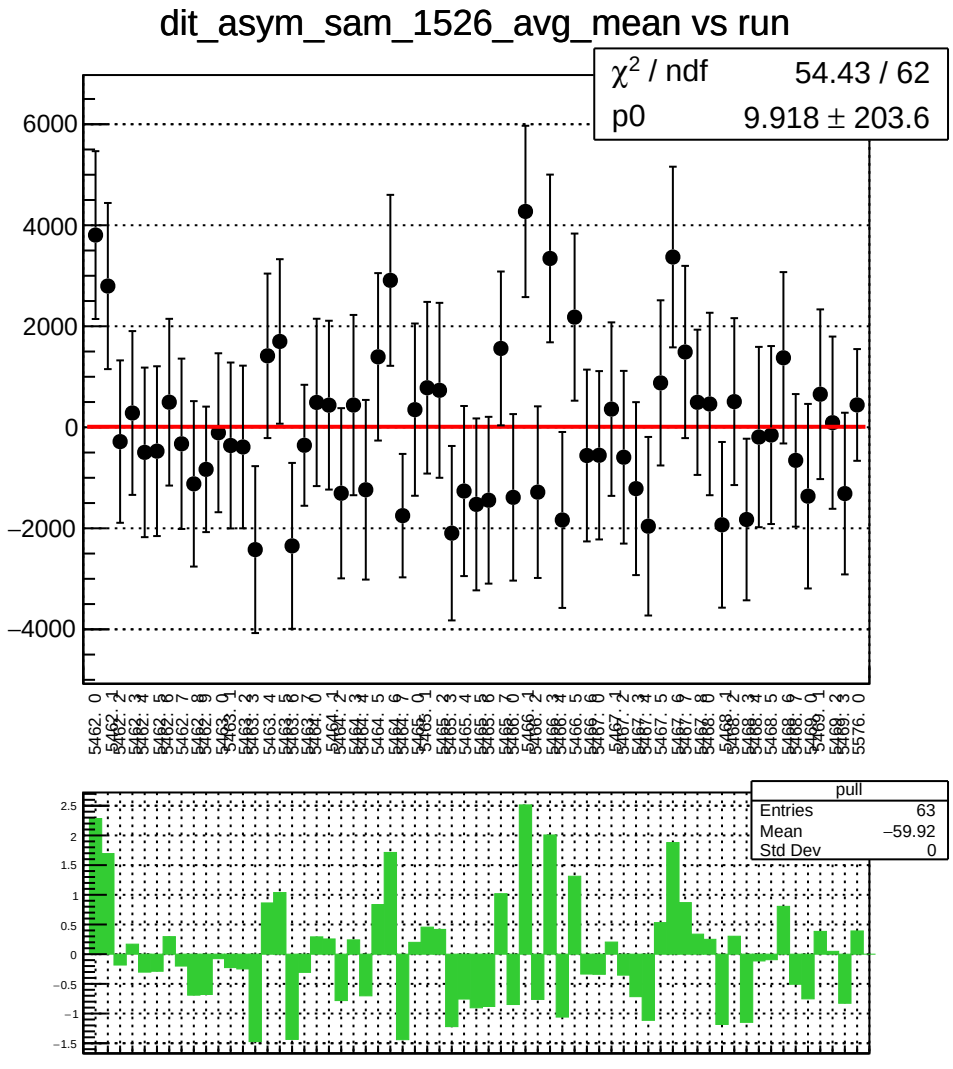

pull1D
Entries 63
Mean 0.01458
Std Dev 0.8239

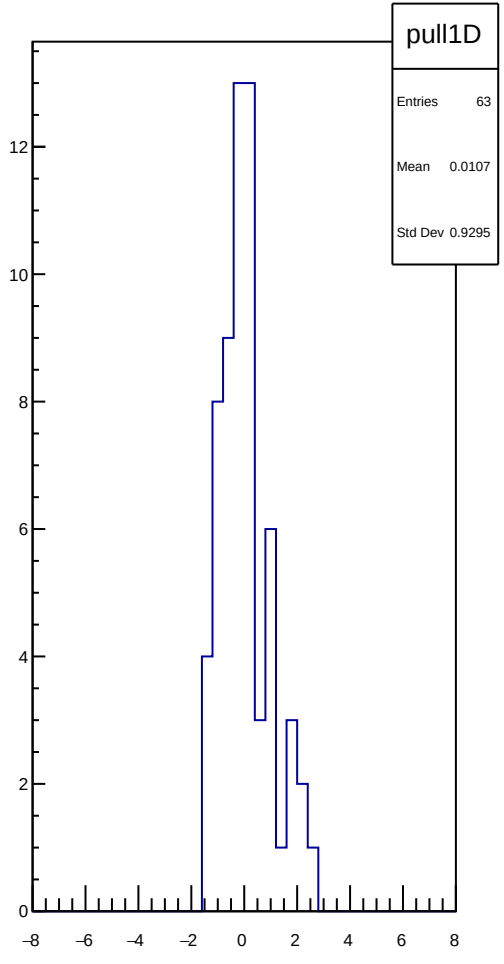

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 5107 / 62
p0 134.7 ± 0.1226
160
150
140
130
120
110
100

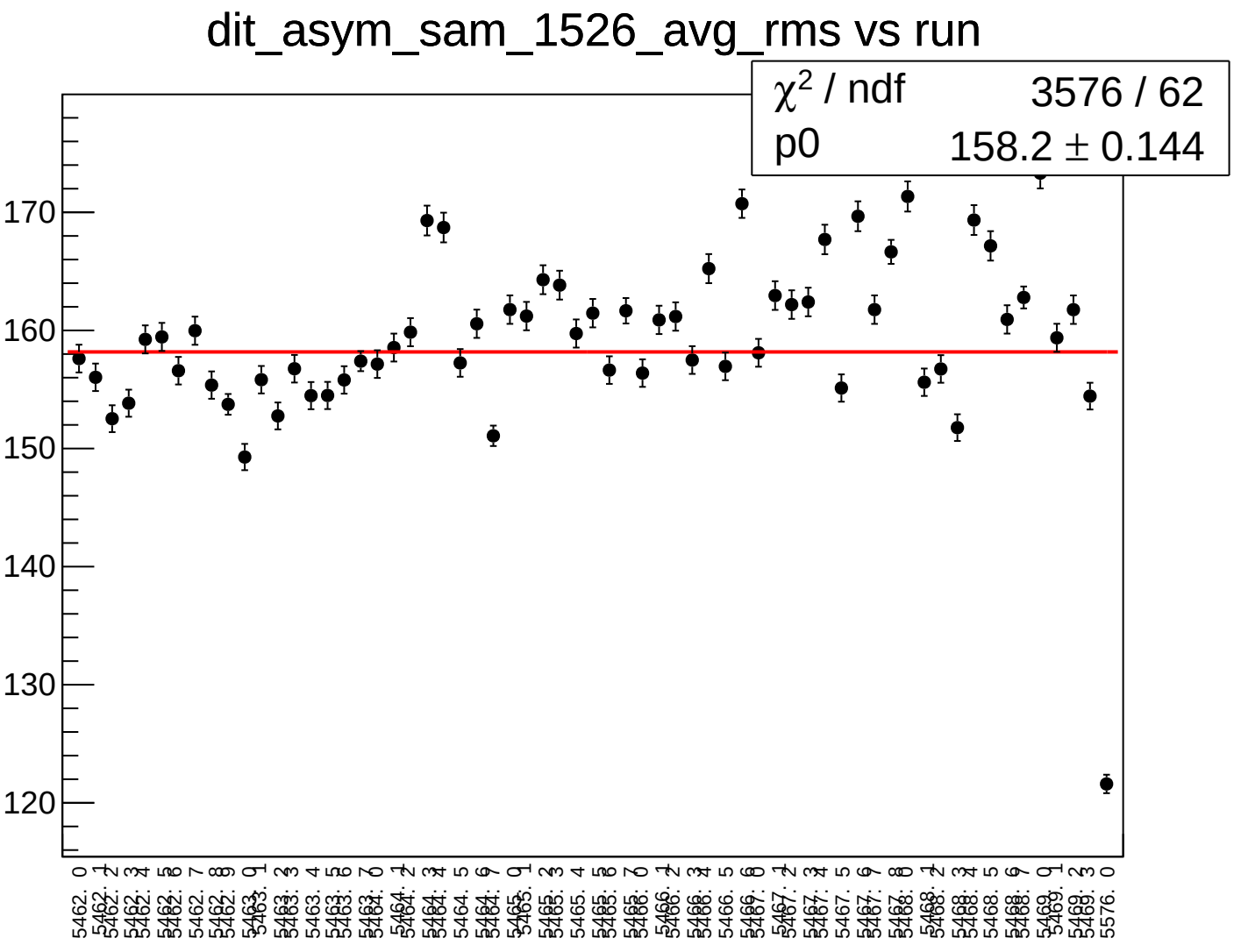

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.06 / 62
p0 233.6 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 90.23
Std Dev 0
3
2
1
0
−1
−2

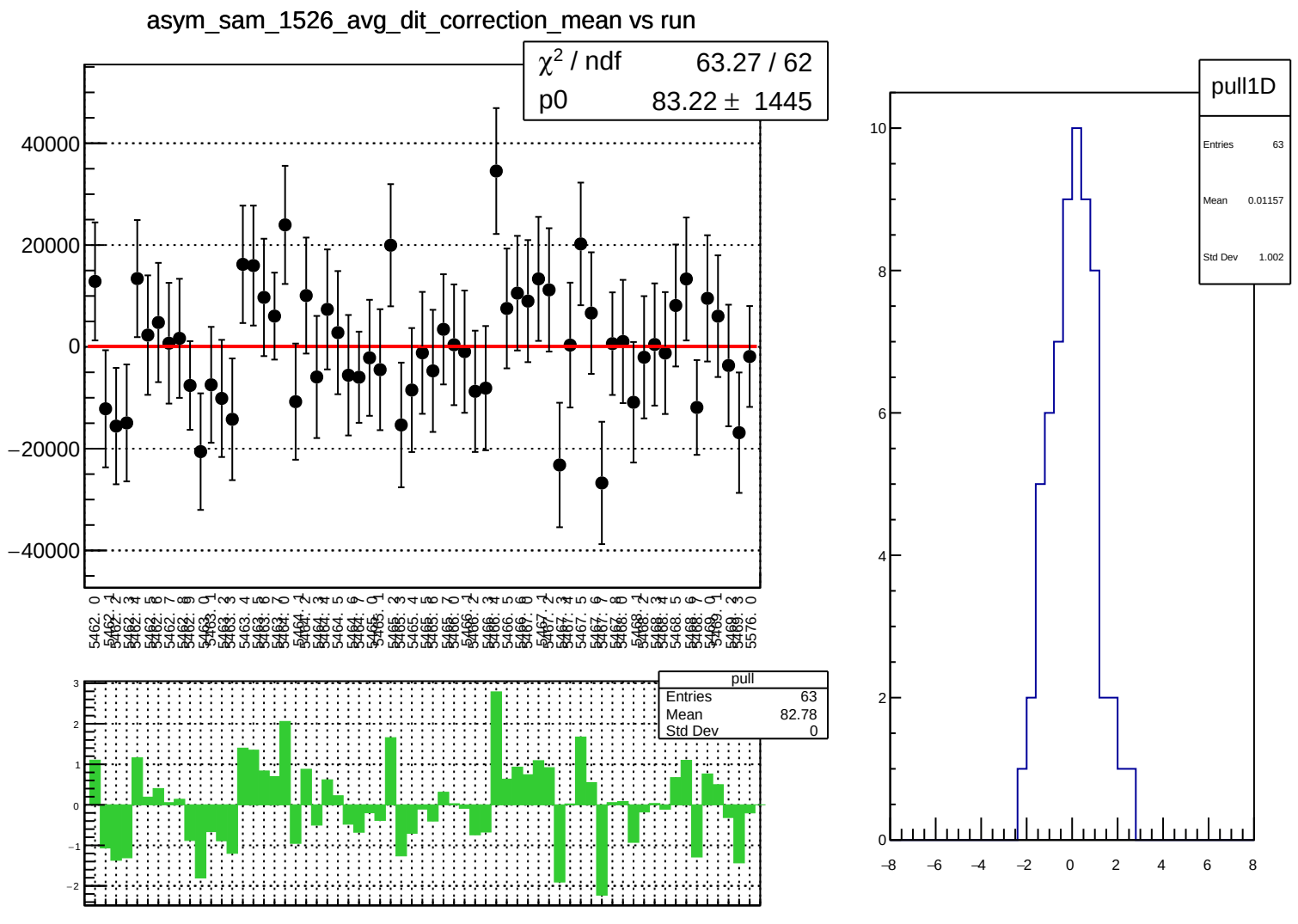

pull1D
Entries 63
Mean 0.01084
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

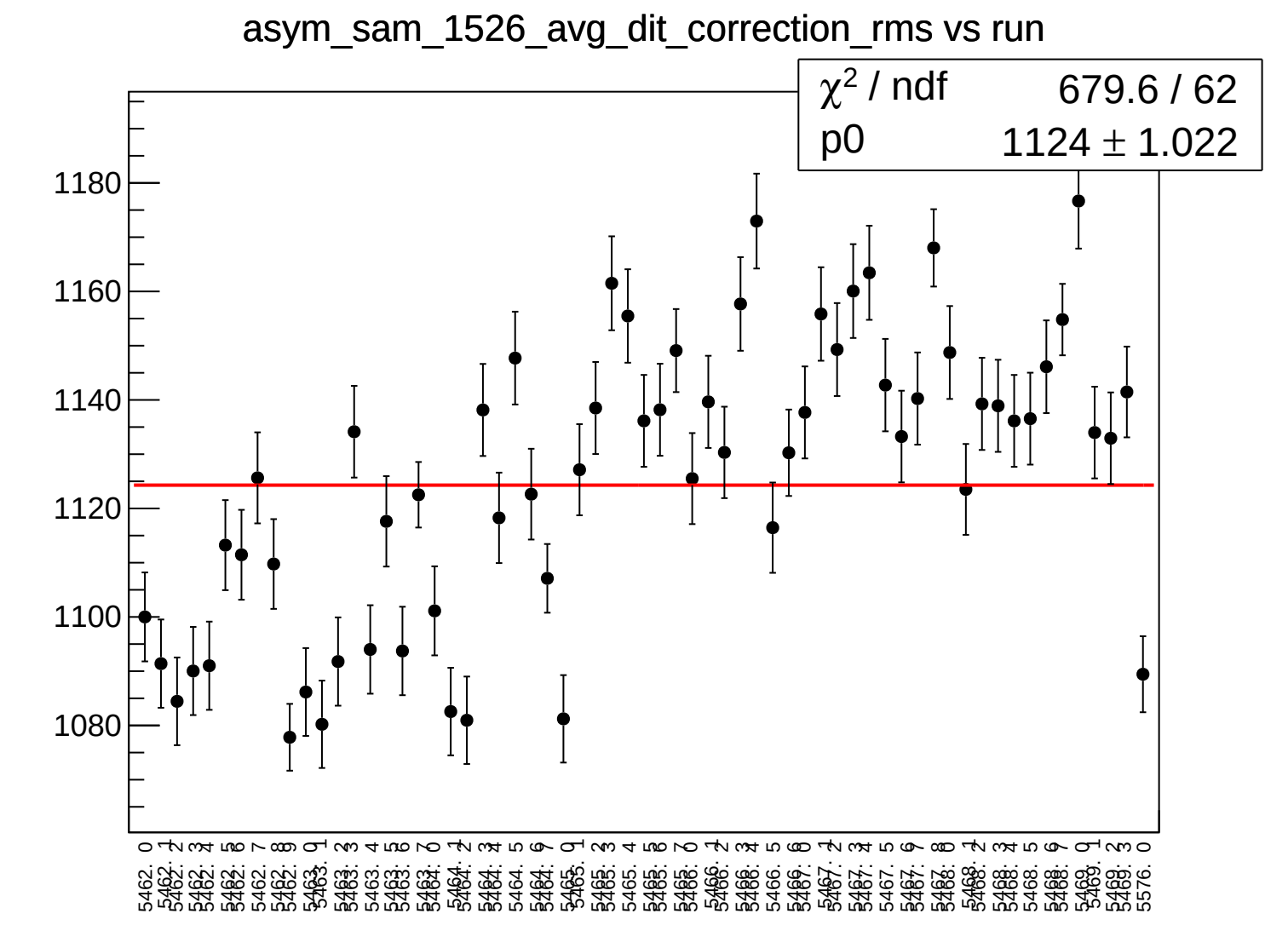

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 887.9 / 62
p0 1096 ± 0.9967
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

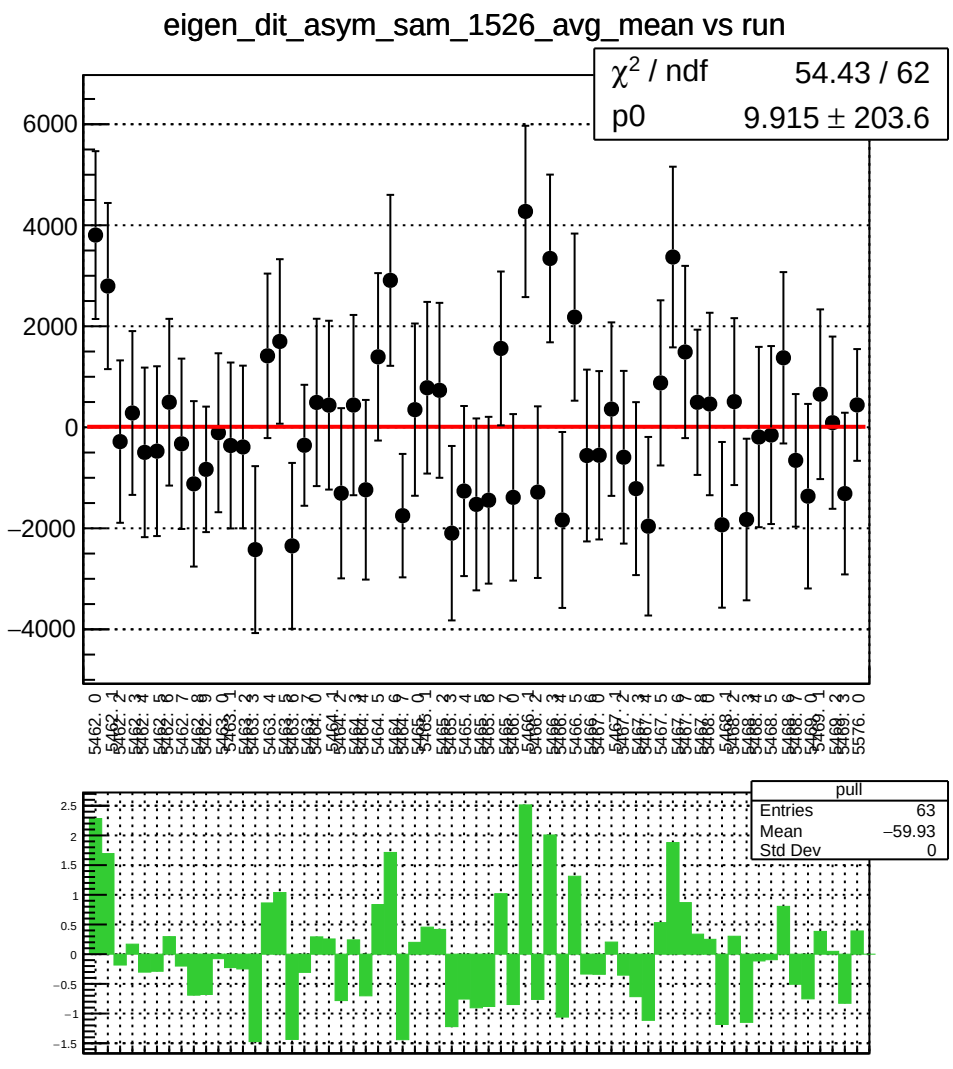

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 54.43 / 62
p0 9.918 ± 203.6
6000
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −59.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

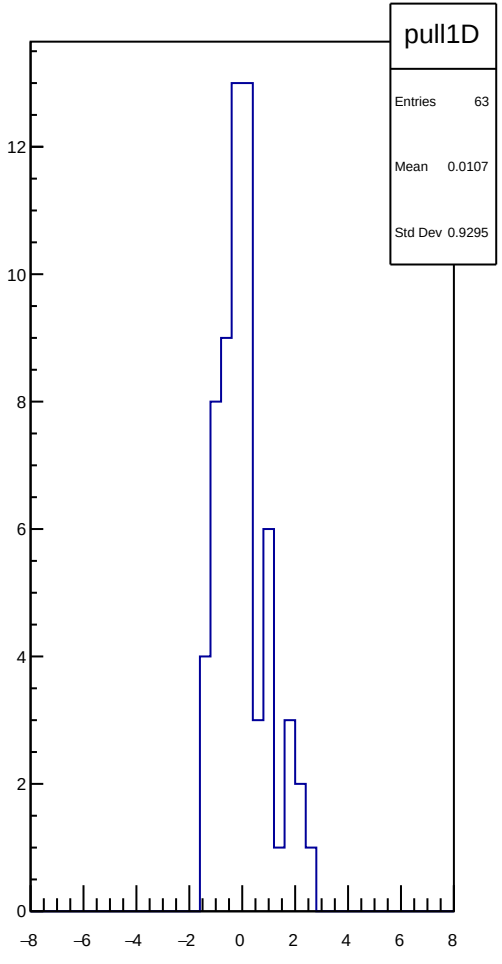

pull1D
Entries 63
Mean 0.0107
Std Dev 0.9295
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

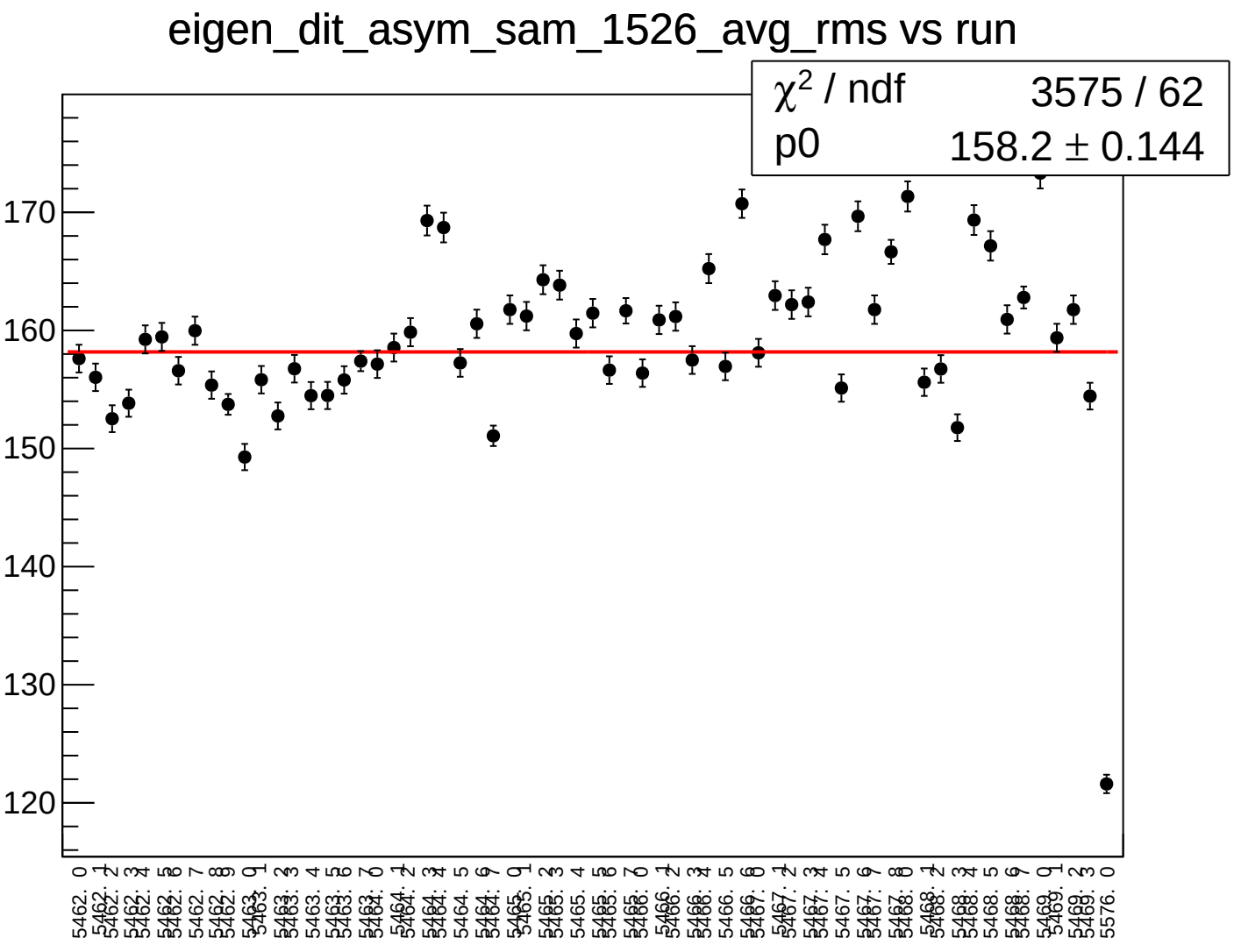

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3576 / 62
p0 158.2 ± 0.144
170
160
150
140
130
120

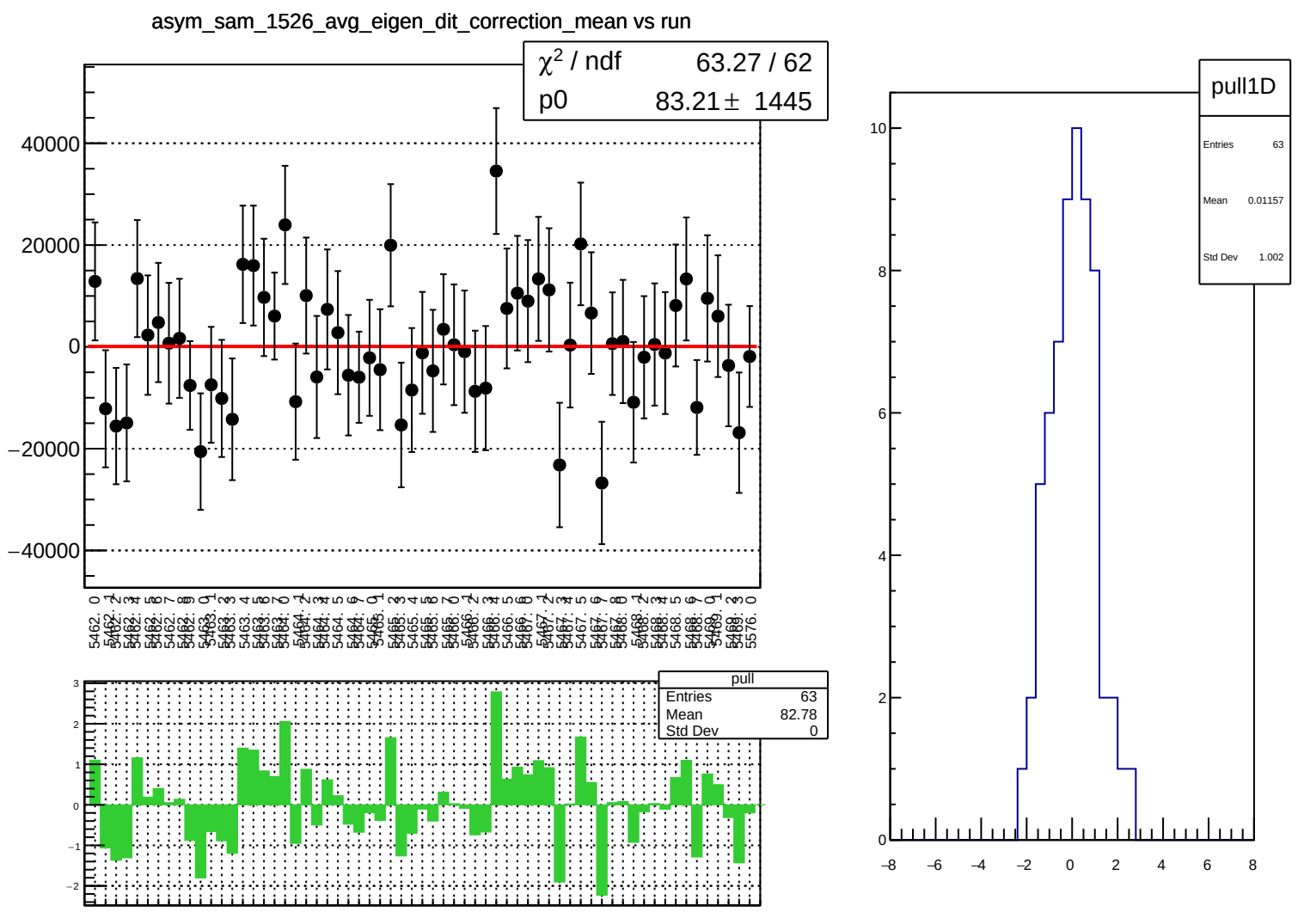

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 63.27 / 62
p0 83.22 ± 1445
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 82.78
Std Dev 0
pull1D
Entries 63
Mean 0.01157
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

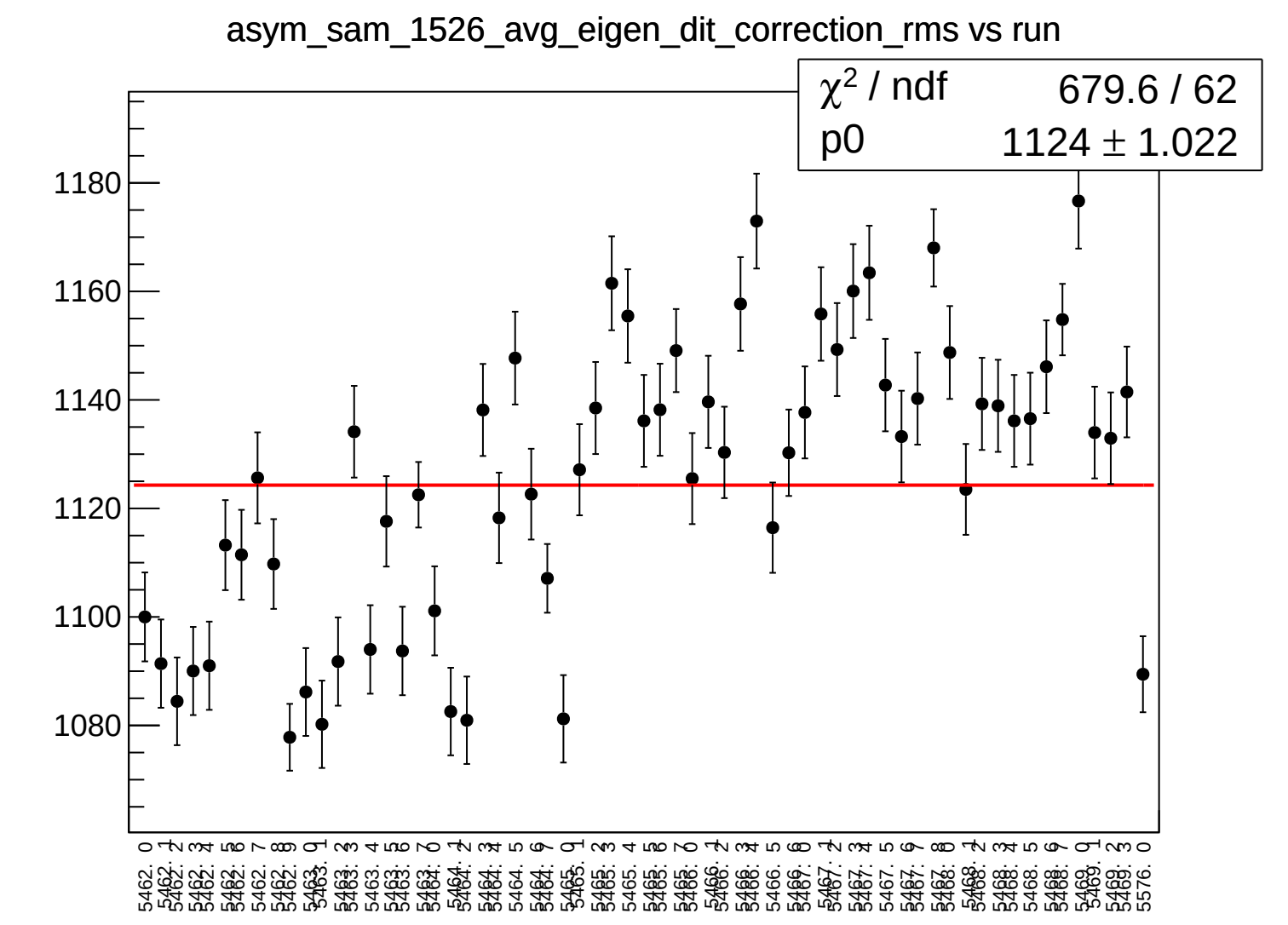

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 679.6 / 62
p0 1124 ± 1.022
1180
1160
1140
1120
1100
1080
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

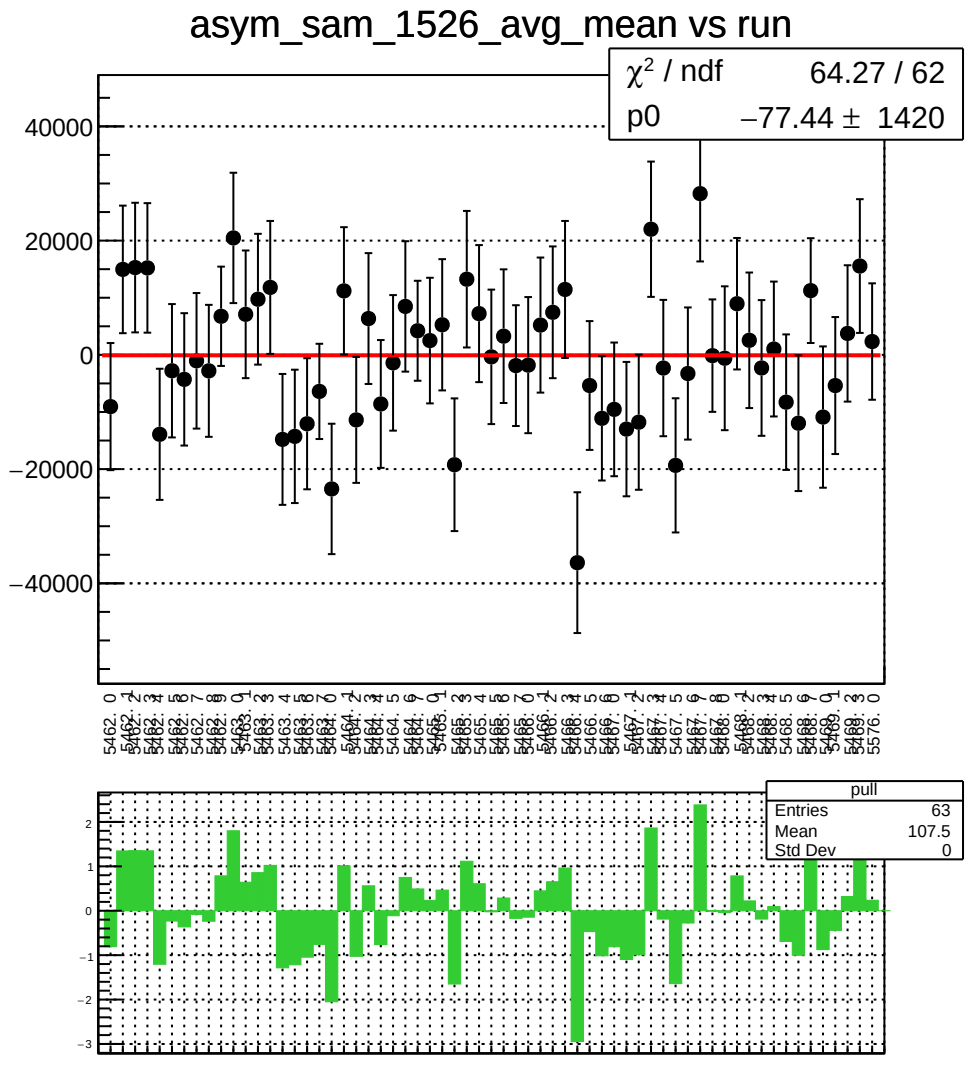

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 54.43 / 62
p0 9.915 ± 203.6
pull
Entries 63
Mean −59.93
Std Dev 0

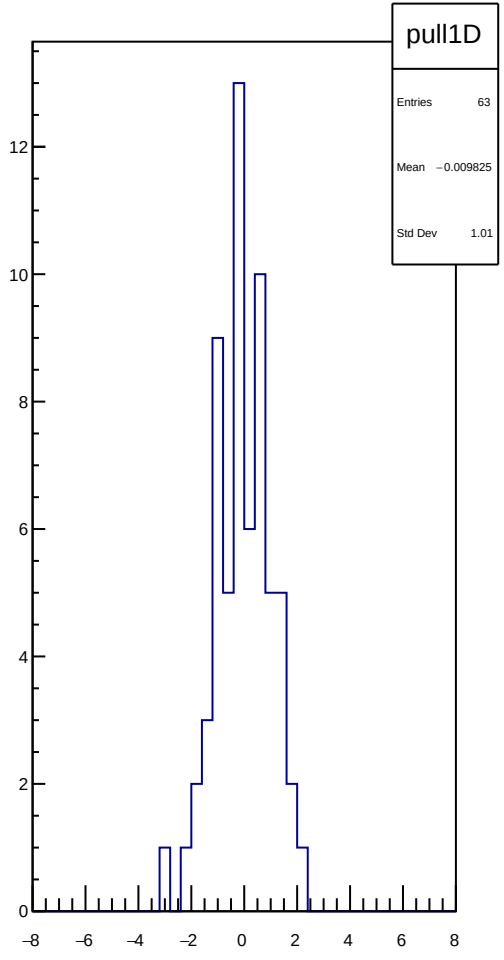

pull1D
Entries 63
Mean 0.0107
Std Dev 0.9295

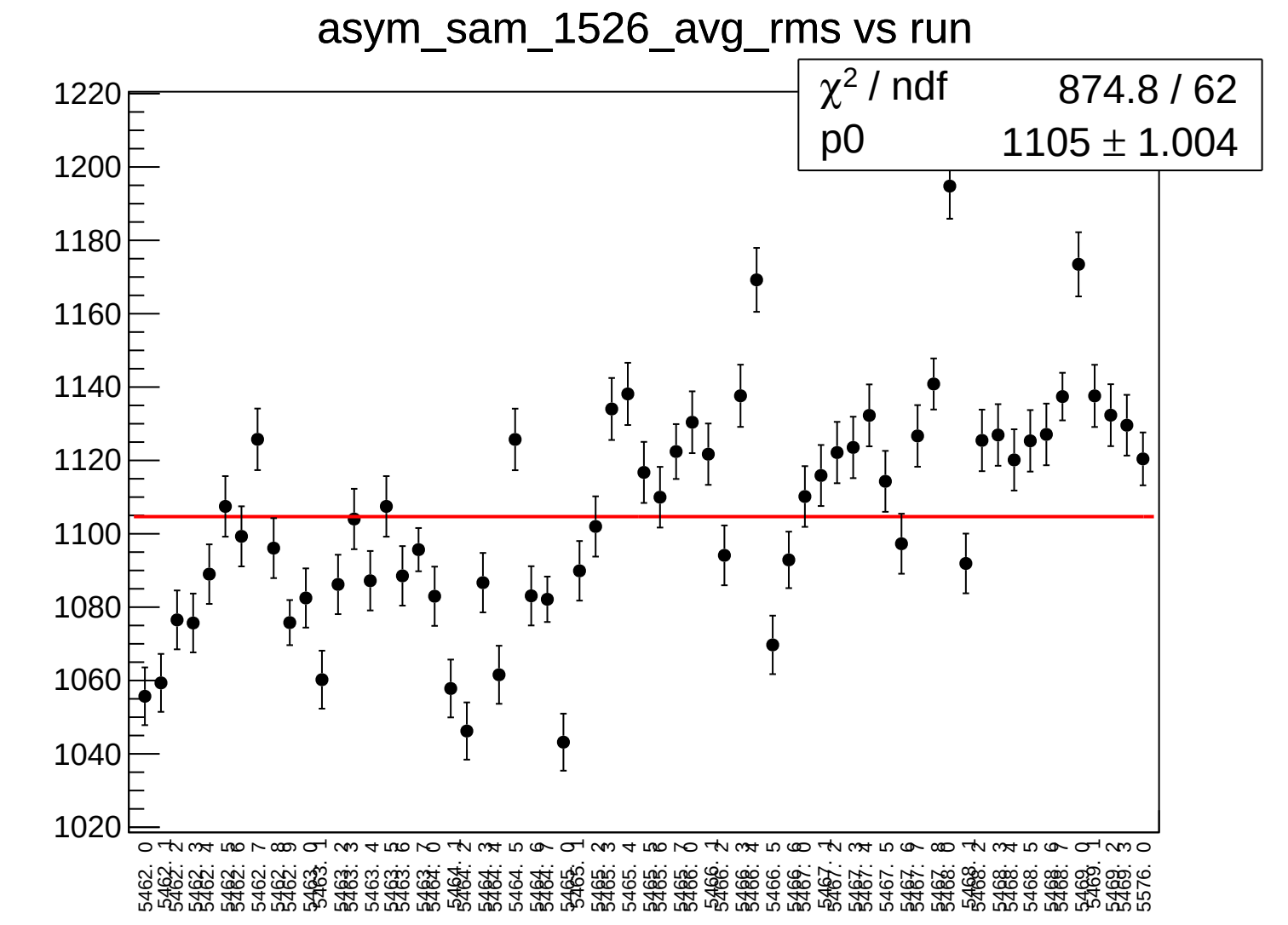

eigen_dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3575 / 62
p0 158.2 ± 0.144
170
160
150
140
130
120

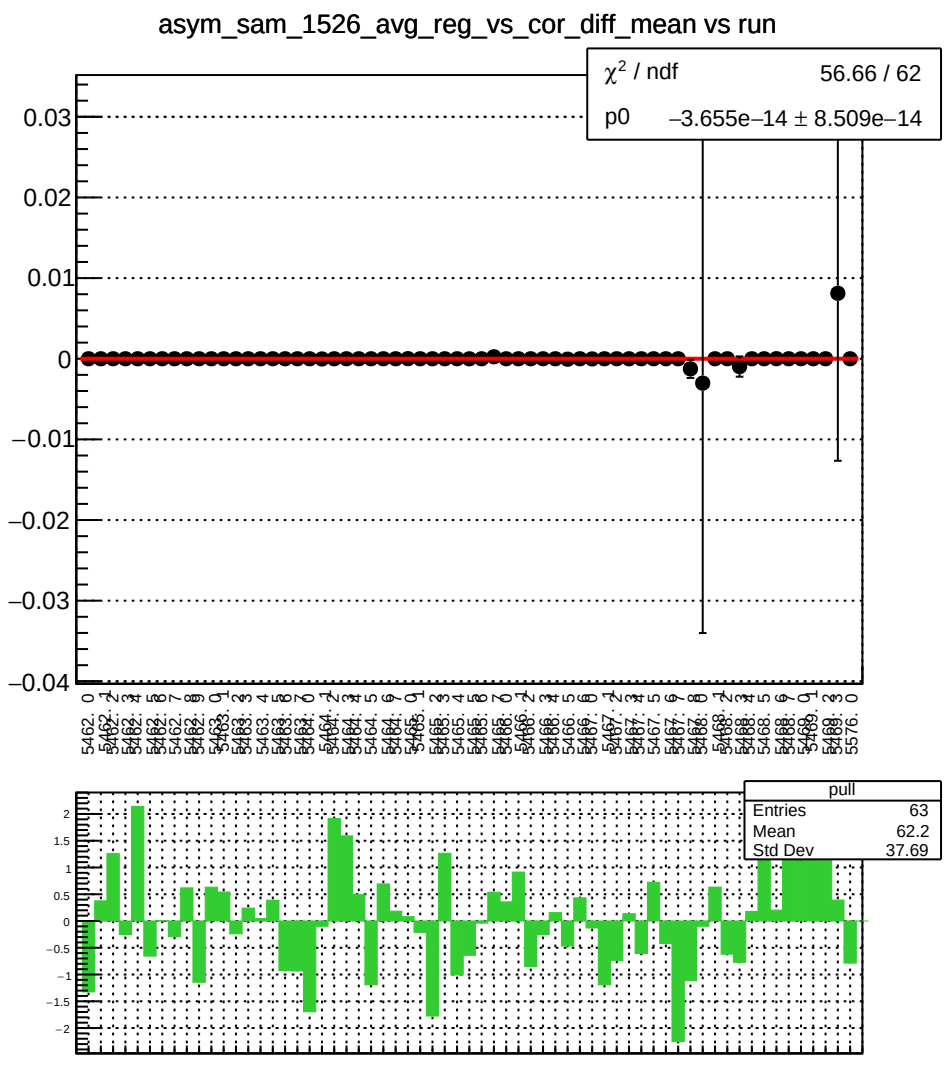

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.27 / 62
p0 83.21 ± 1445
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 82.78
Std Dev 0
pull1D
Entries 63
Mean 0.01157
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

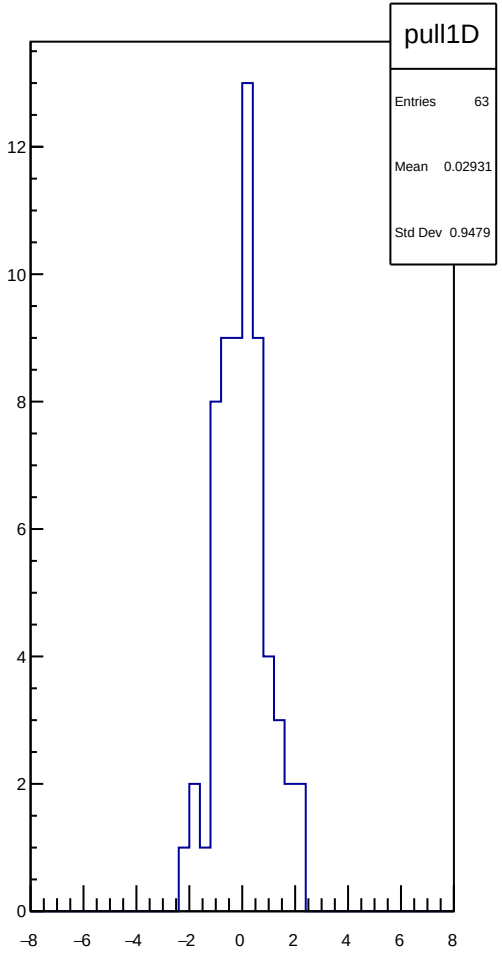

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 679.6 / 62
p0 1124 ± 1.022
1180
1160
1140
1120
1100
1080
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

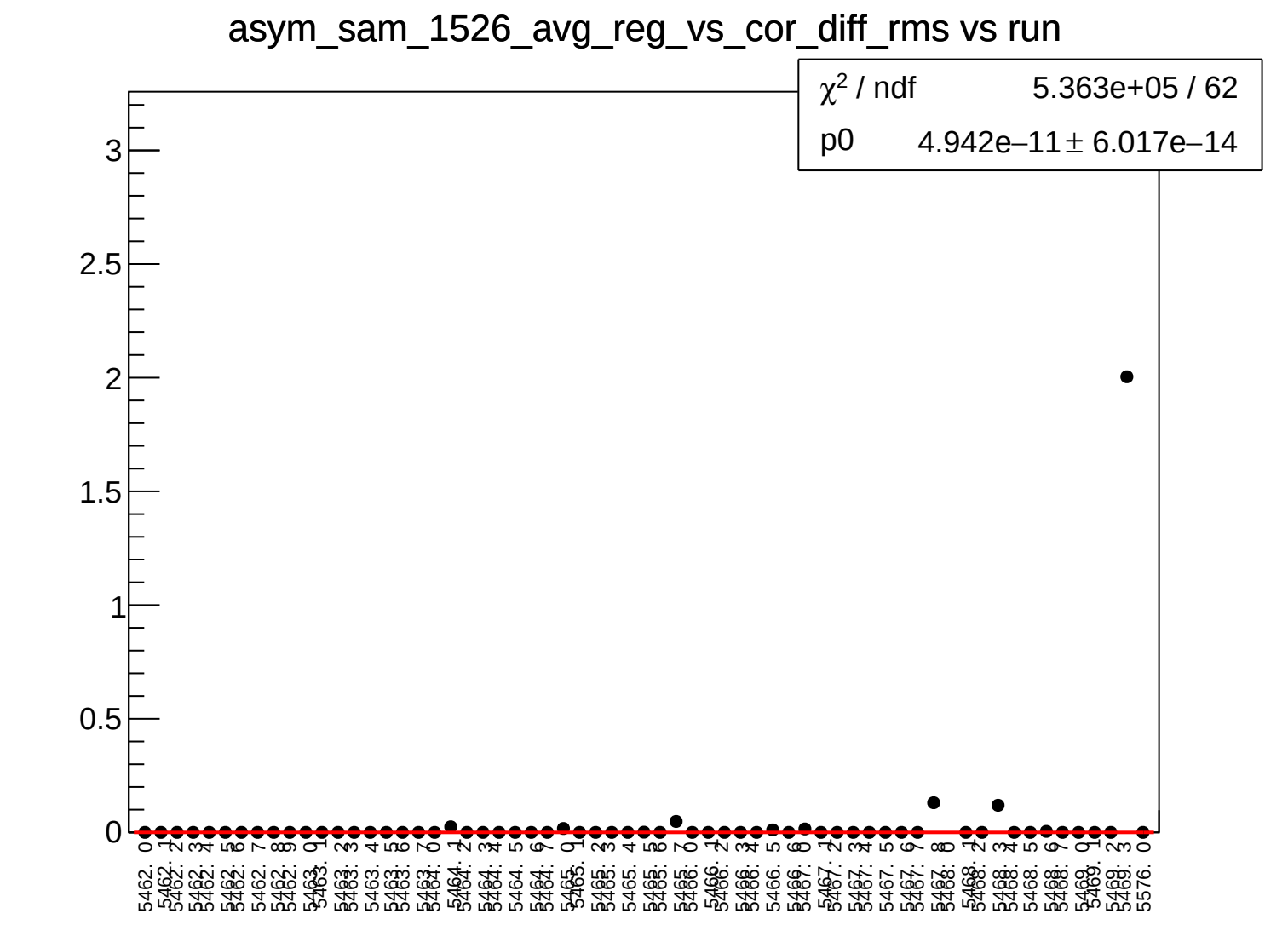

asym_sam_1526_avg_mean vs run
χ² / ndf 64.27 / 62
p0 −77.44 ± 1420
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 107.5
Std Dev 0
2
1
0
−1
−2
−3

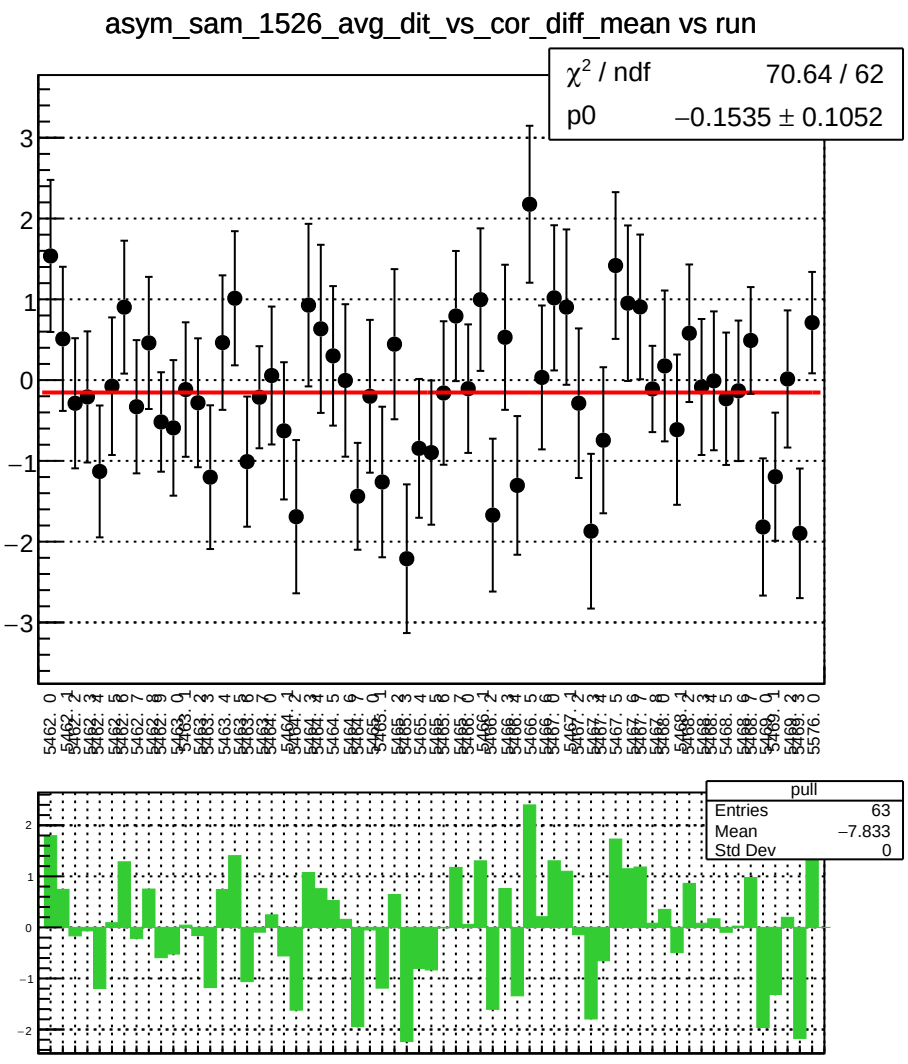

pull1D
Entries 63
Mean −0.009825
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

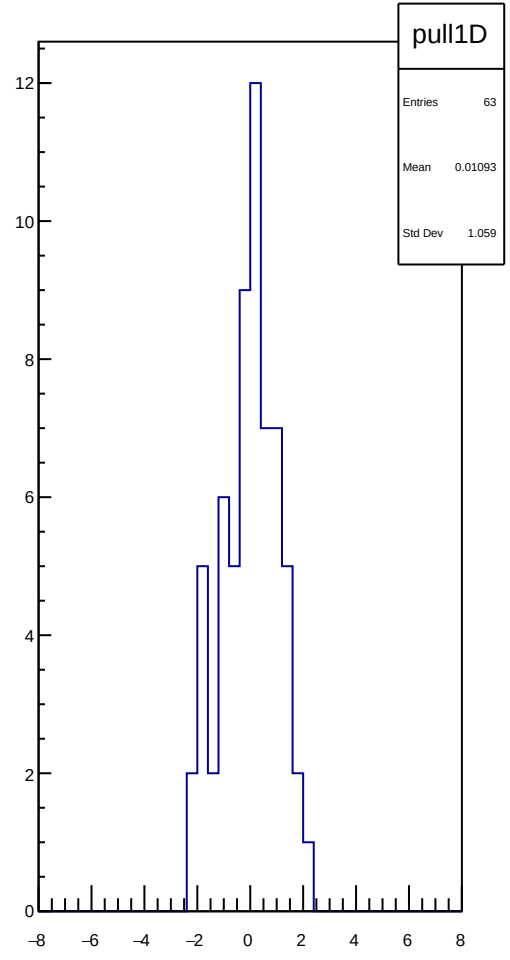

asym_sam_1526_avg_rms vs run
χ² / ndf 874.8 / 62
p0 1105 ± 1.004
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

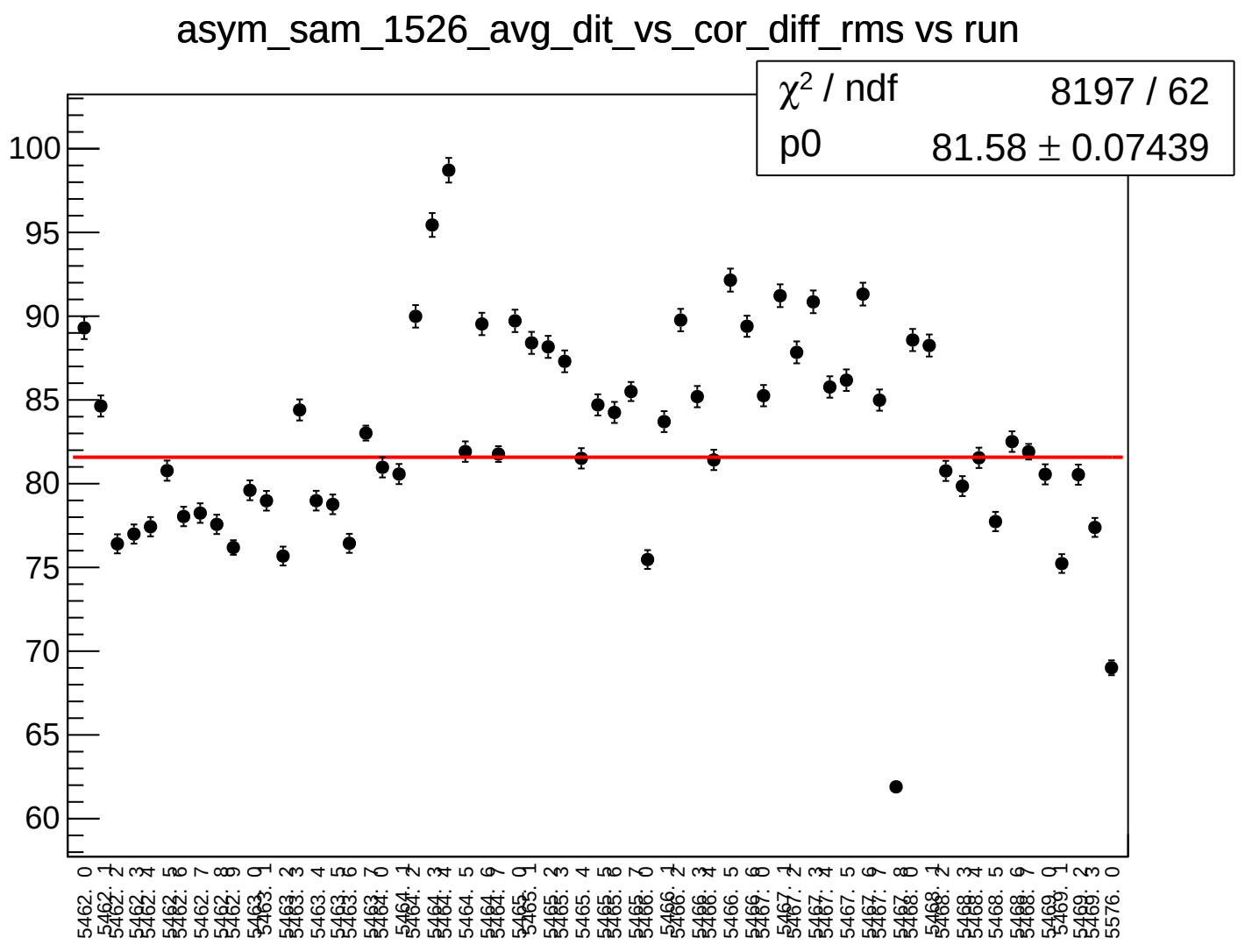

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.66 / 62
p0 −3.655e−14 ± 8.509e−14
pull
Entries 63
Mean 62.2
Std Dev 37.69

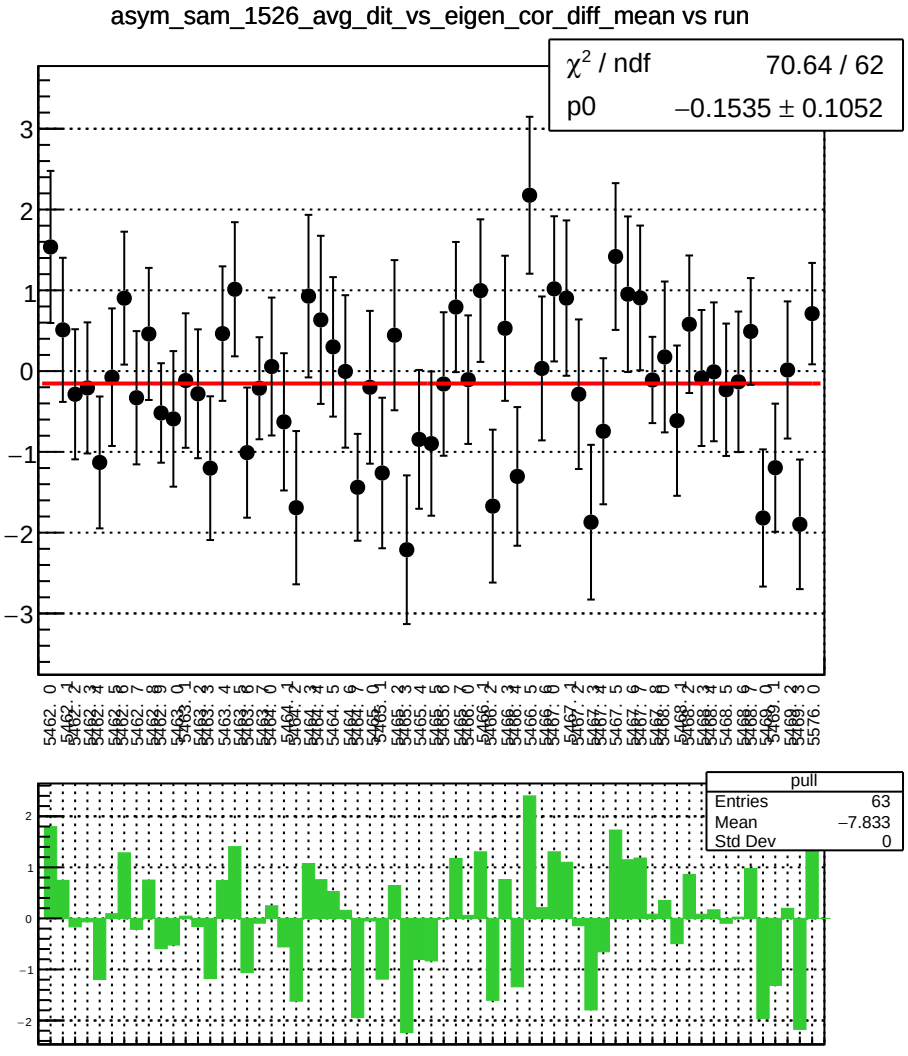

pull1D
Entries 63
Mean 0.02931
Std Dev 0.9479

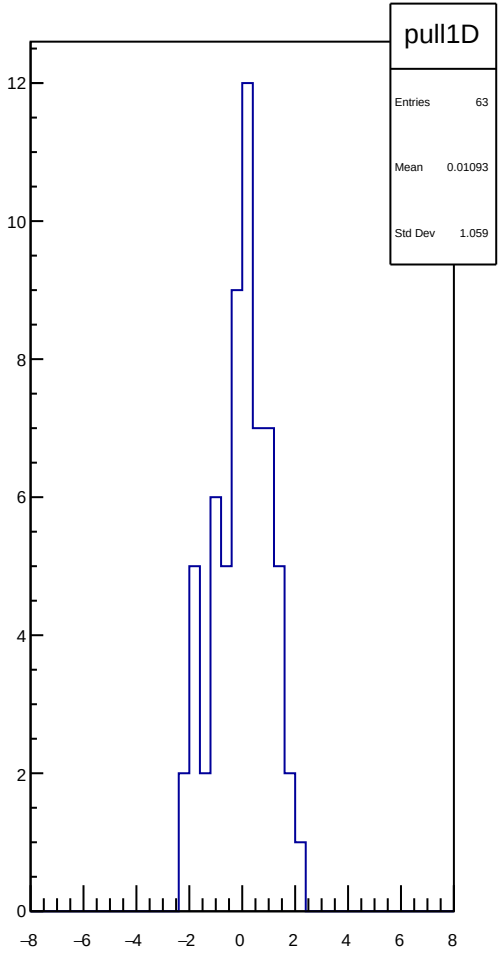

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.363e+05 / 62
p0 4.942e−11 ± 6.017e−14
3
2.5
2
1.5
1
0.5
0

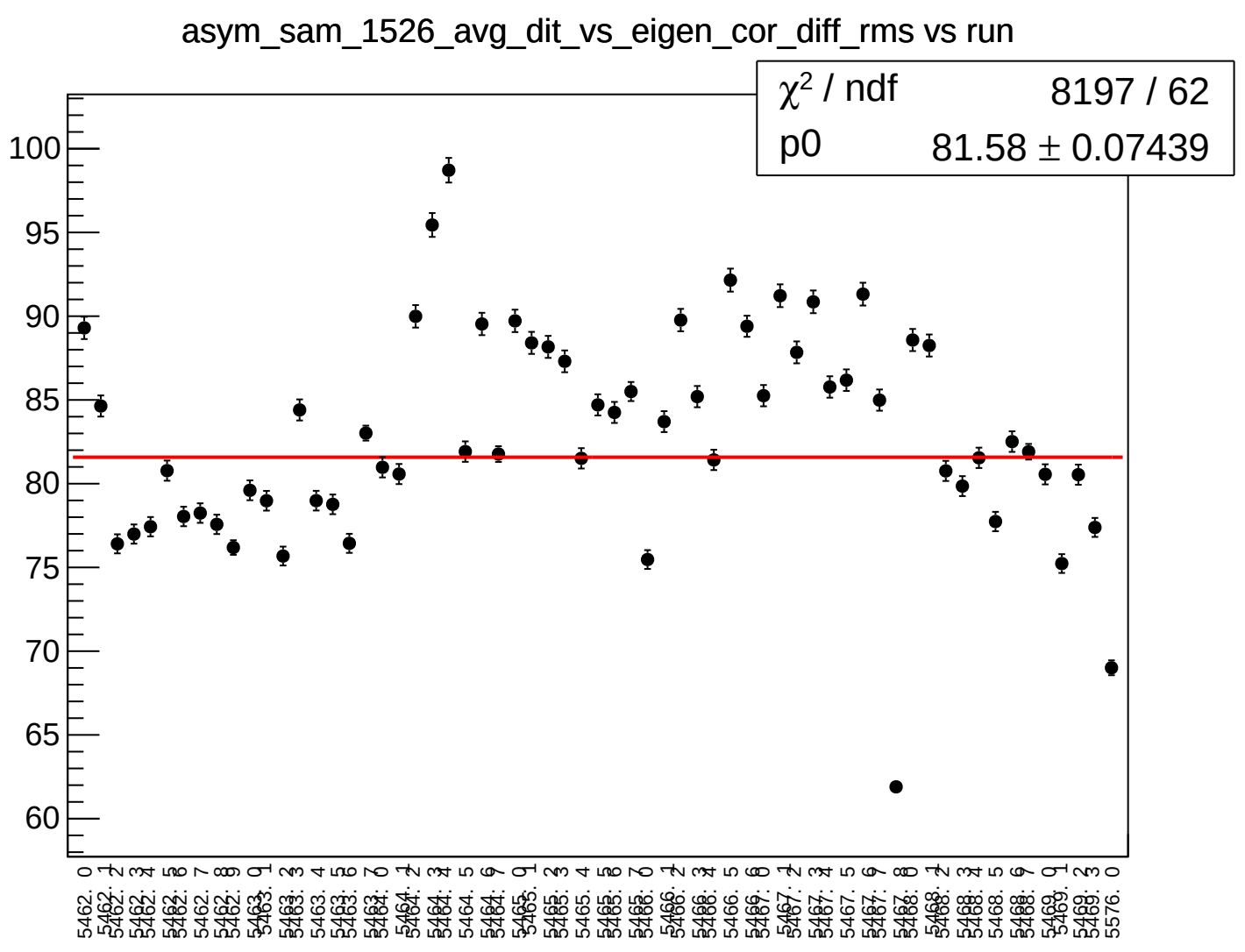

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.64 / 62
p0 −0.1535 ± 0.1052
pull
Entries 63
Mean −7.833
Std Dev 0

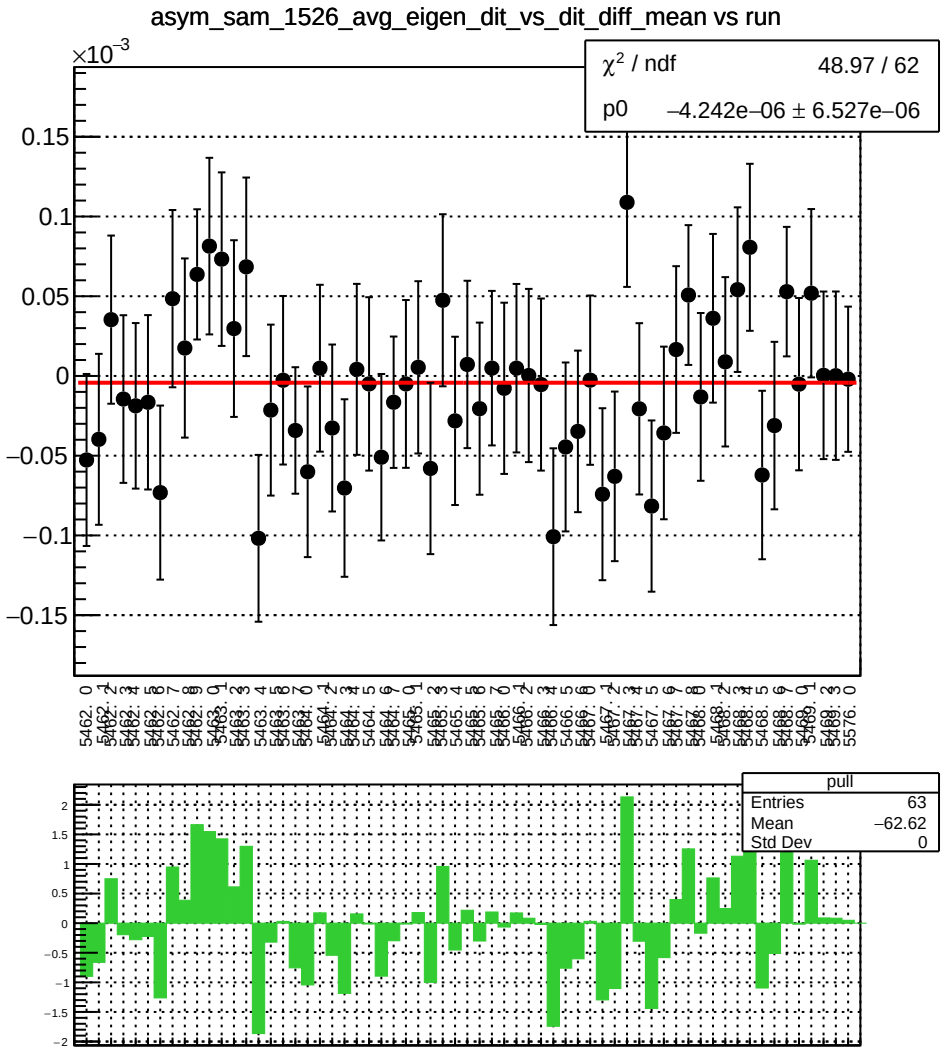

pull1D
Entries 63
Mean 0.01093
Std Dev 1.059

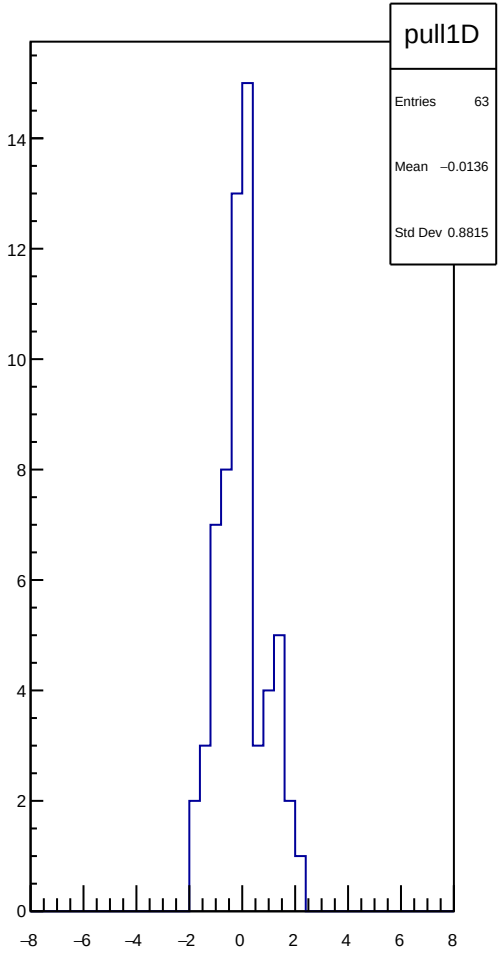

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8197 / 62
p0 81.58 ± 0.07439
100
95
90
85
80
75
70
65
60

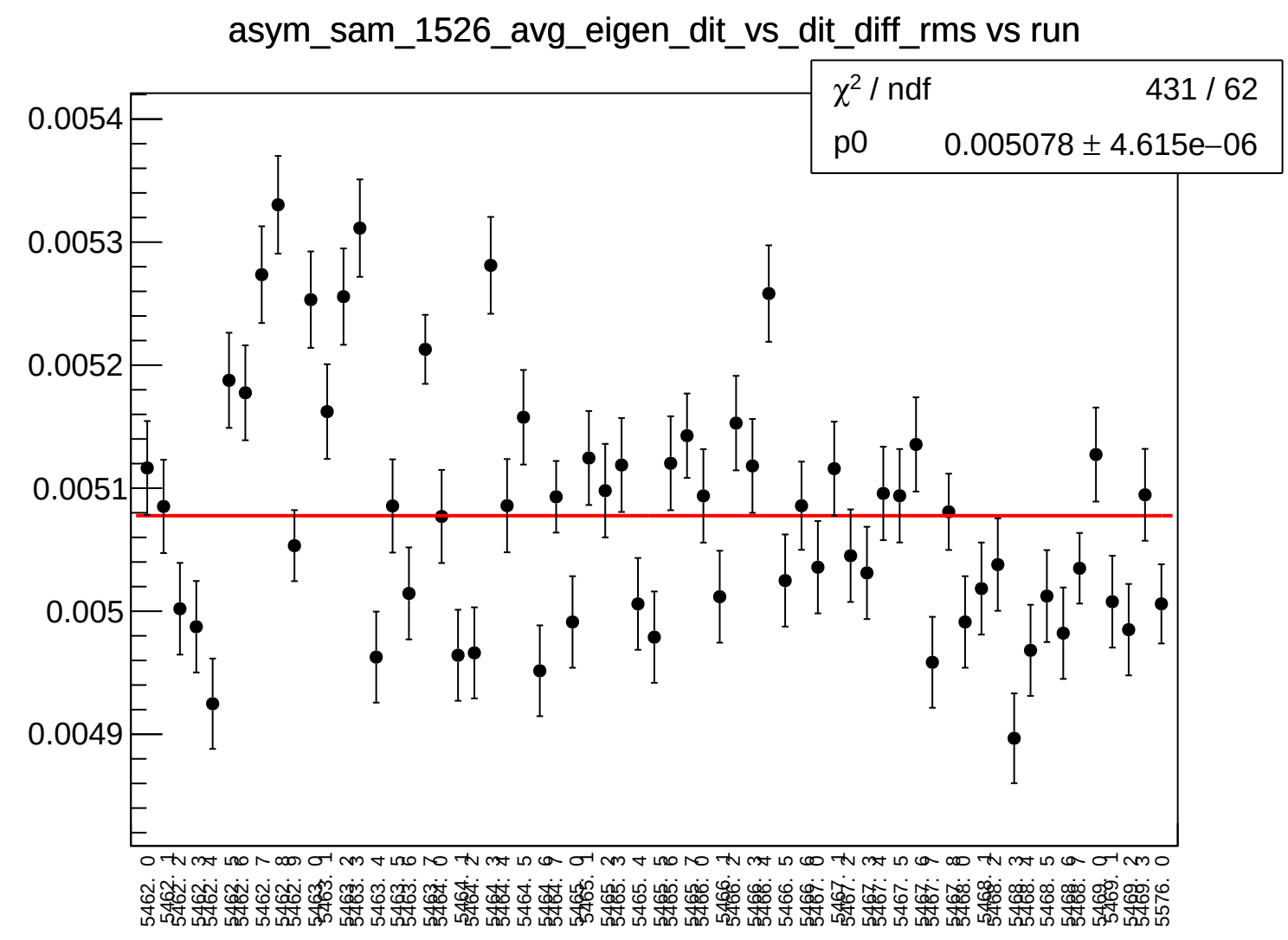

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.64 / 62
p0 −0.1535 ± 0.1052
pull
Entries 63
Mean −7.833
Std Dev 0

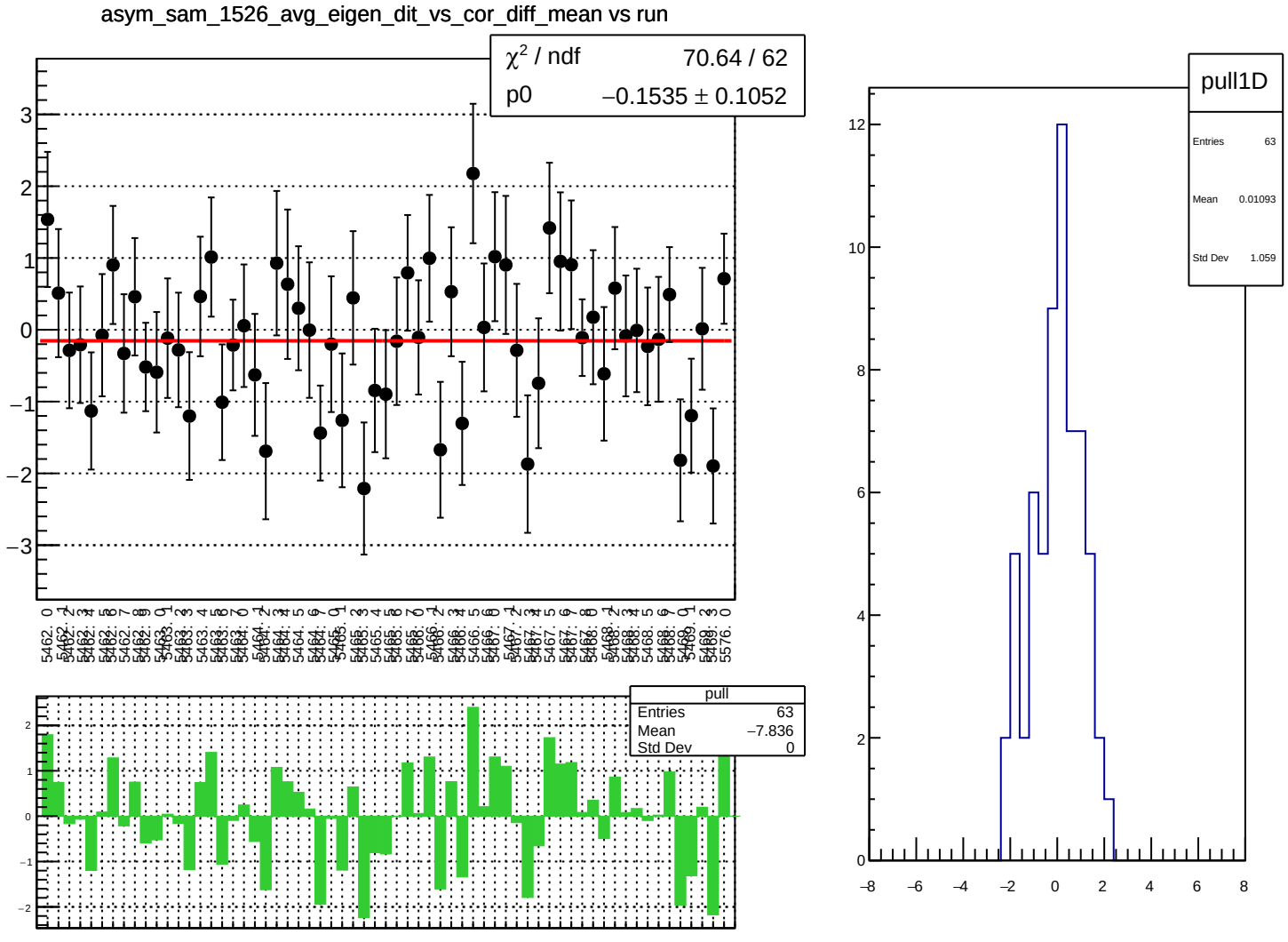

pull1D
Entries 63
Mean 0.01093
Std Dev 1.059

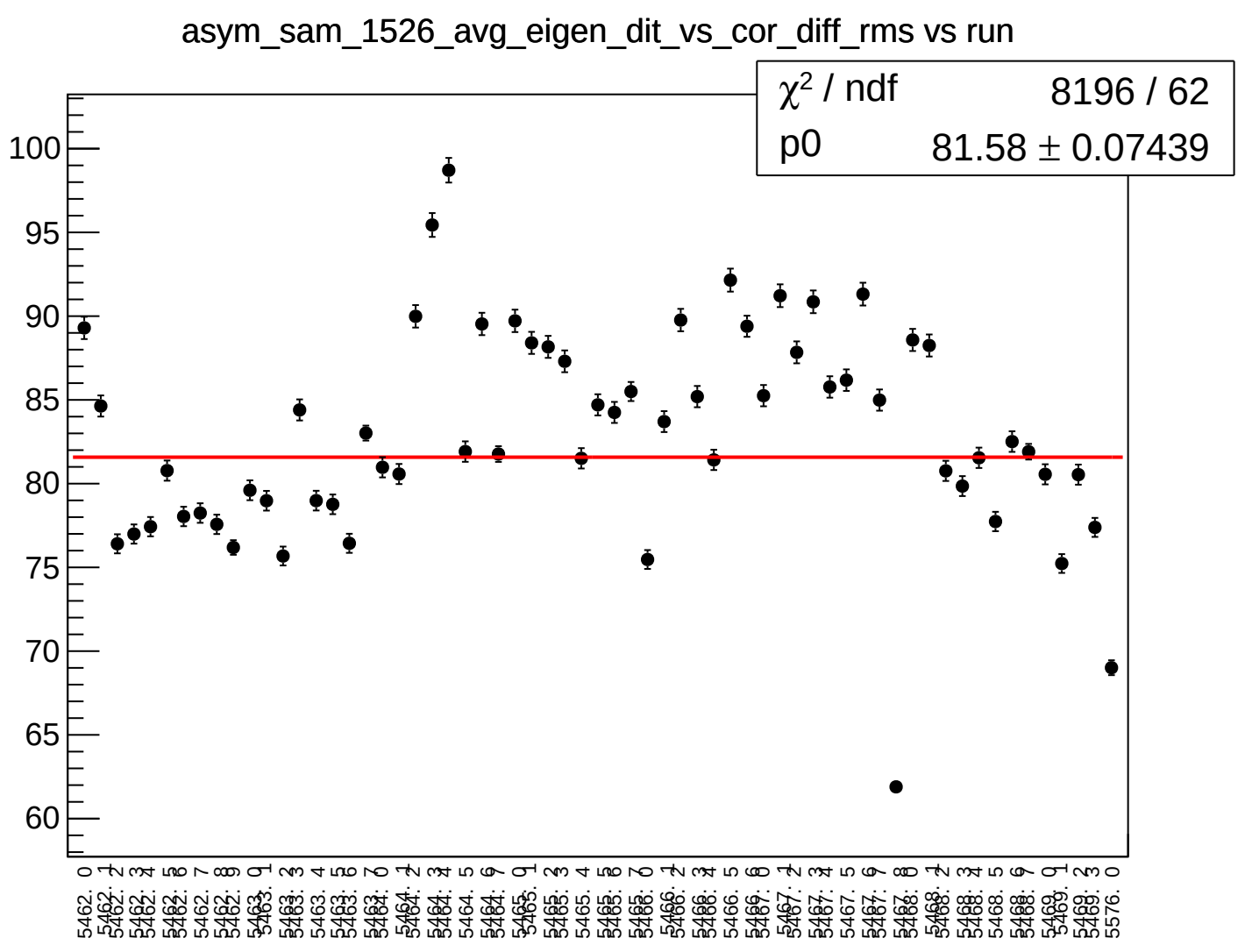

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8197 / 62
p0 81.58 ± 0.07439
100
95
90
85
80
75
70
65
60

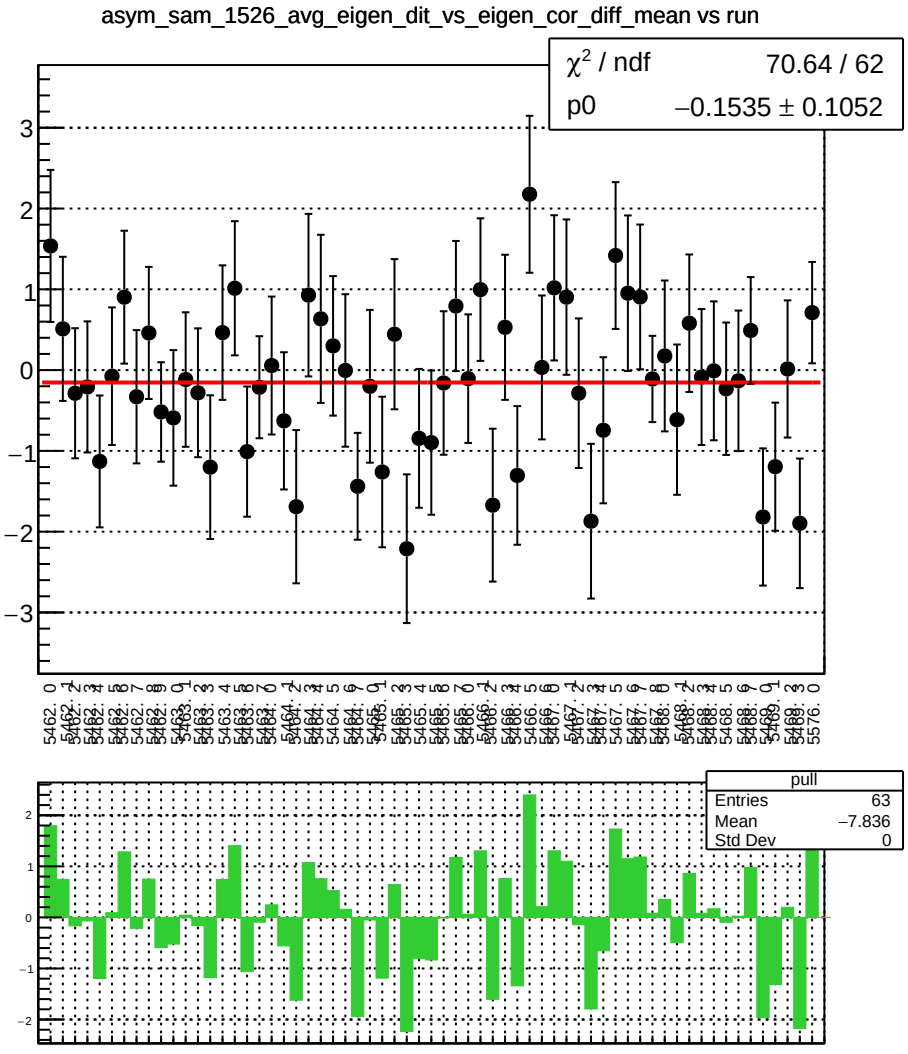

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.97 / 62
p0 −4.242e−06 ± 6.527e−06
pull
Entries 63
Mean −62.62
Std Dev 0

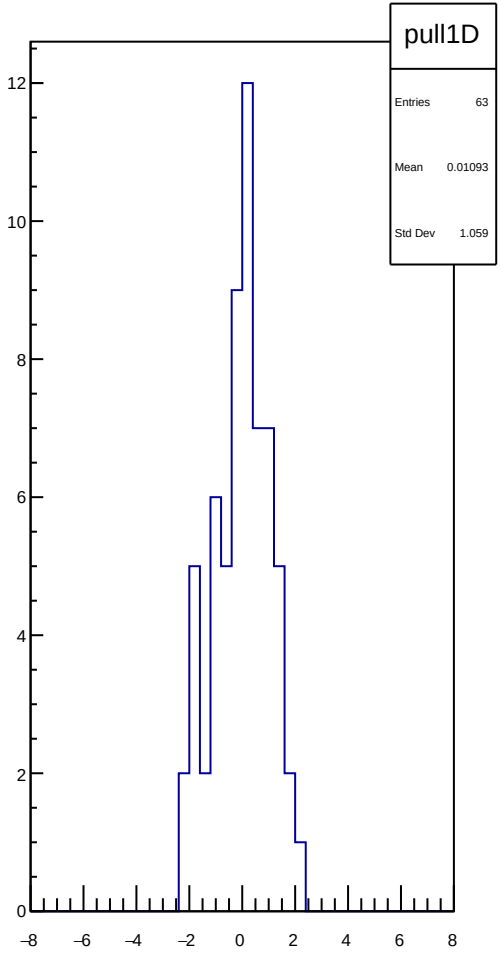

pull1D
Entries 63
Mean −0.0136
Std Dev 0.8815

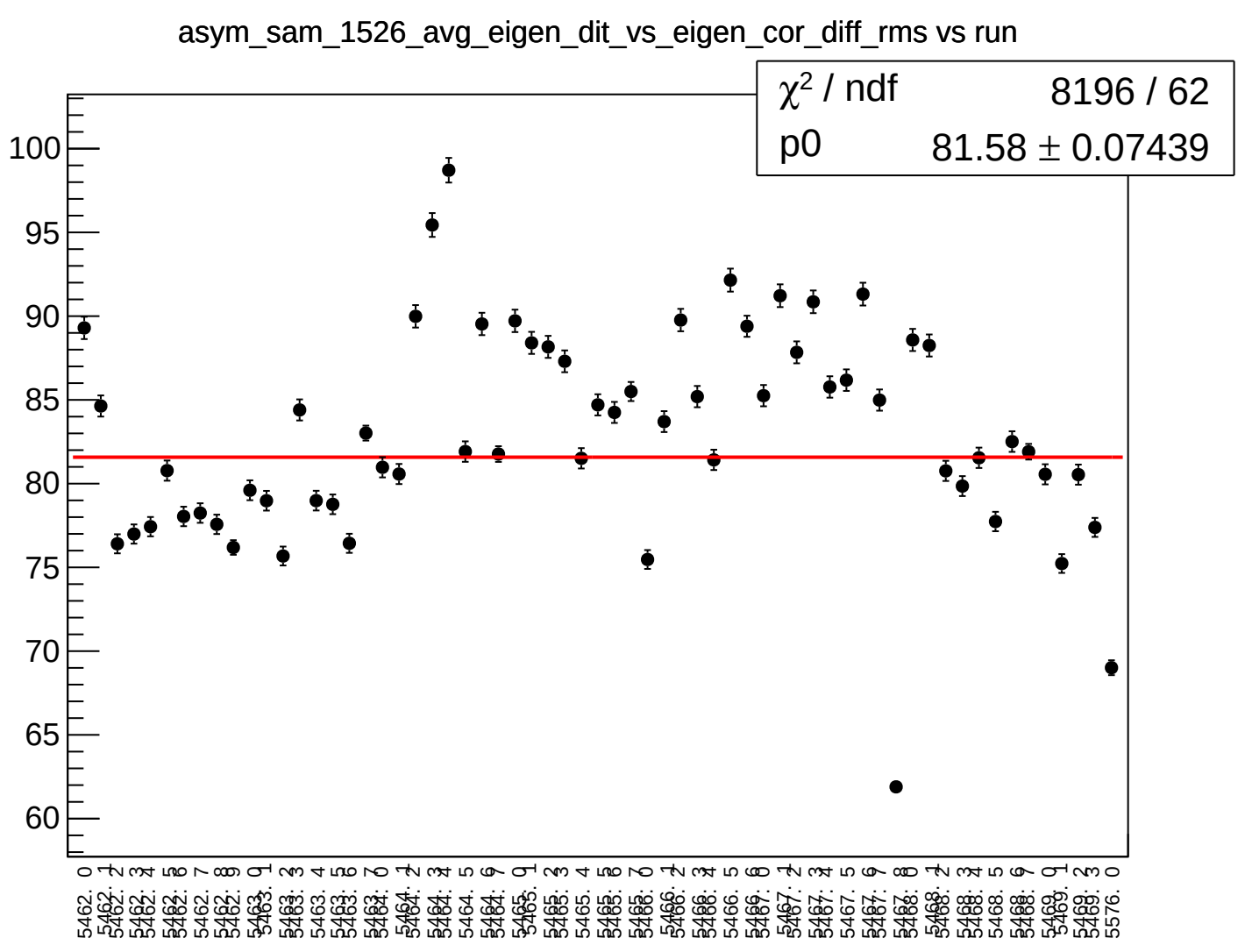

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 431 / 62
p0 0.005078 ± 4.615e−06
0.0054
0.0053
0.0052
0.0051
0.005
0.0049

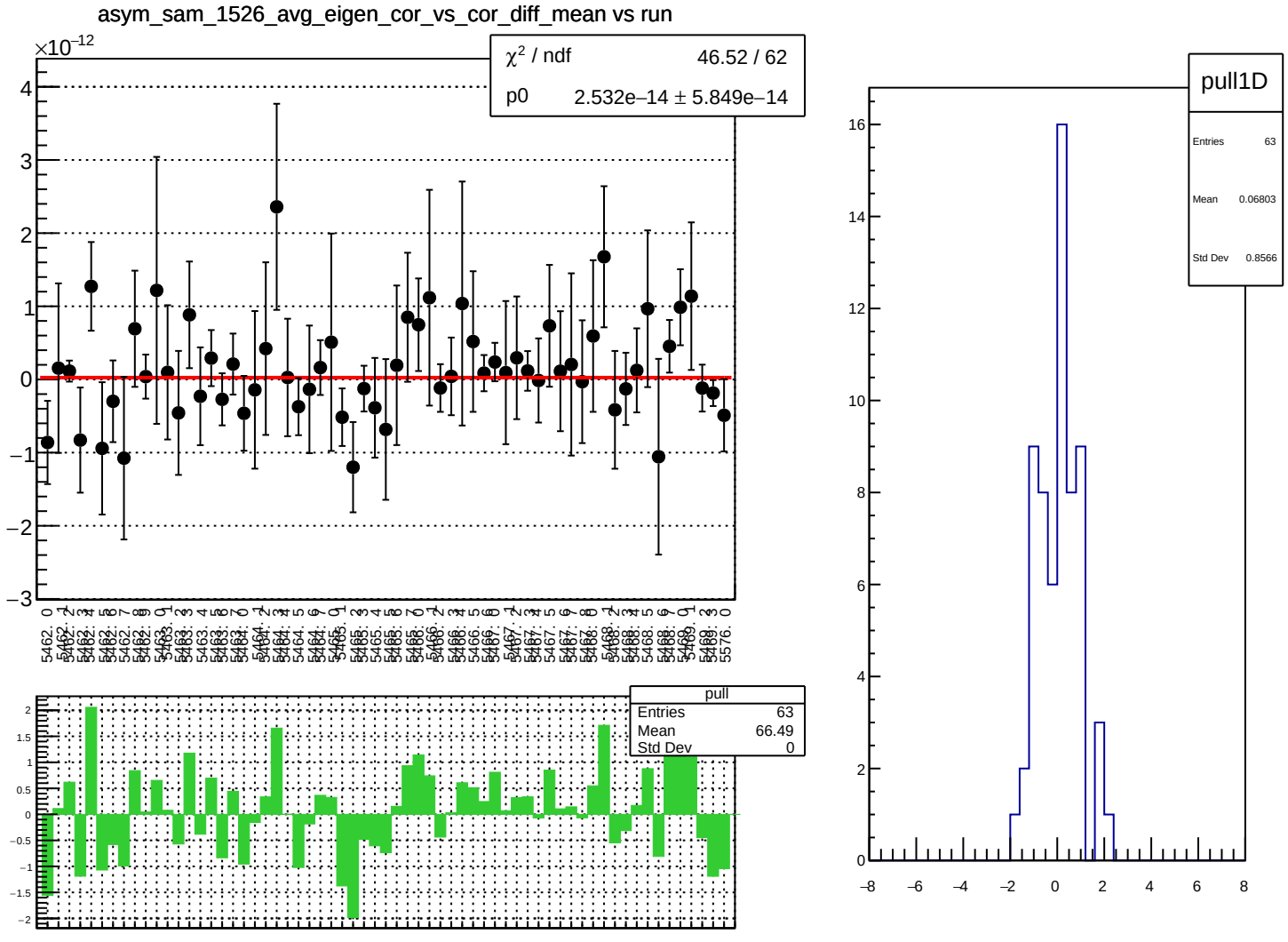

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.64 / 62
p0 −0.1535 ± 0.1052
pull
Entries 63
Mean −7.836
Std Dev 0
pull1D
Entries 63
Mean 0.01093
Std Dev 1.059

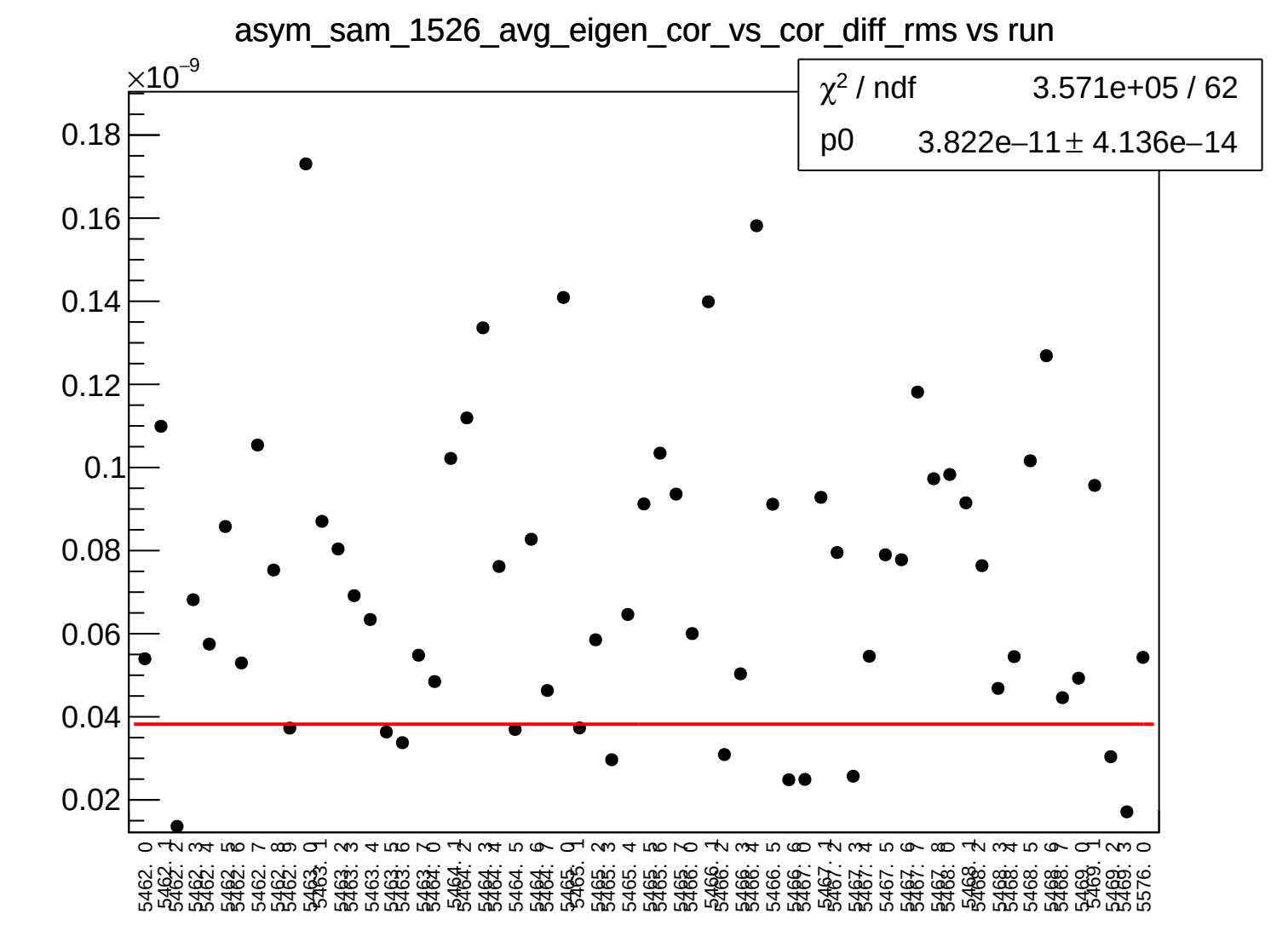

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8196 / 62
p0 81.58 ± 0.07439
100
95
90
85
80
75
70
65
60

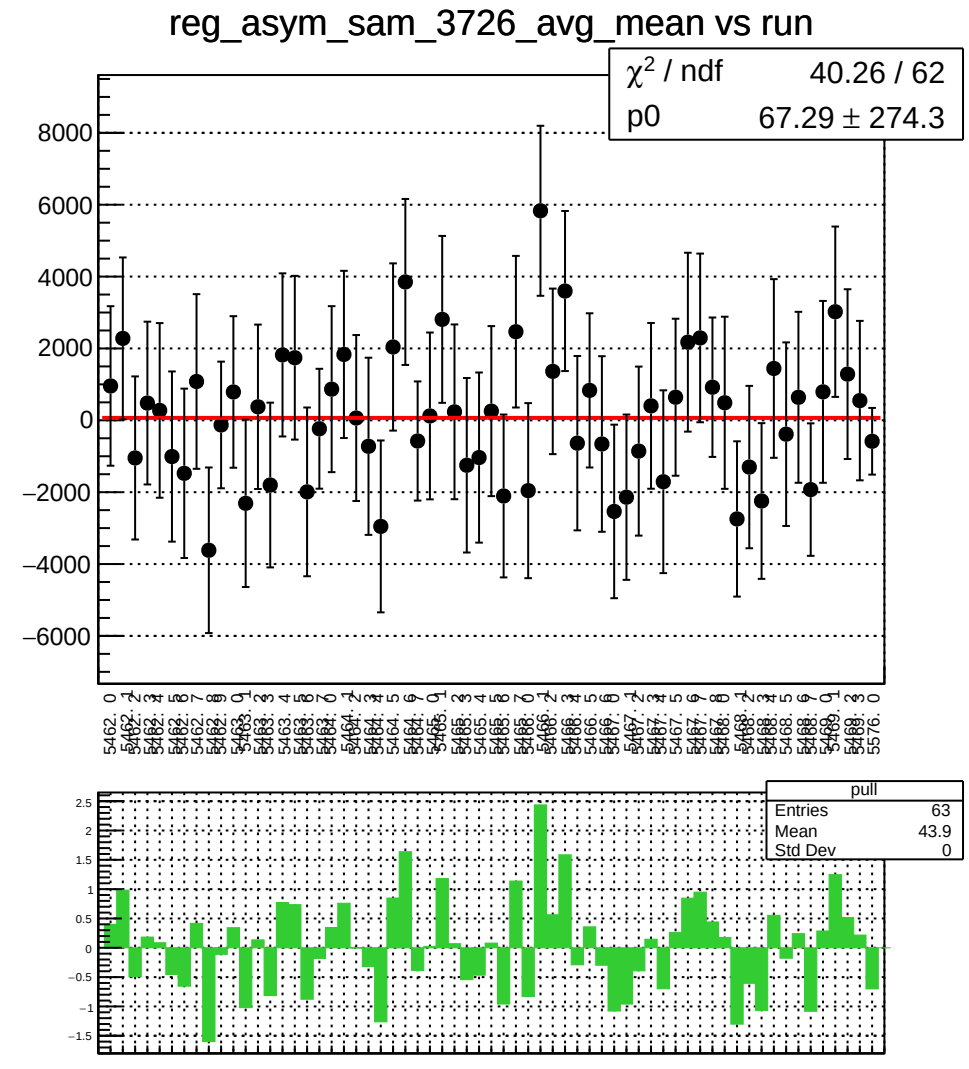

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.64 / 62
p0 −0.1535 ± 0.1052
pull
Entries 63
Mean −7.836
Std Dev 0

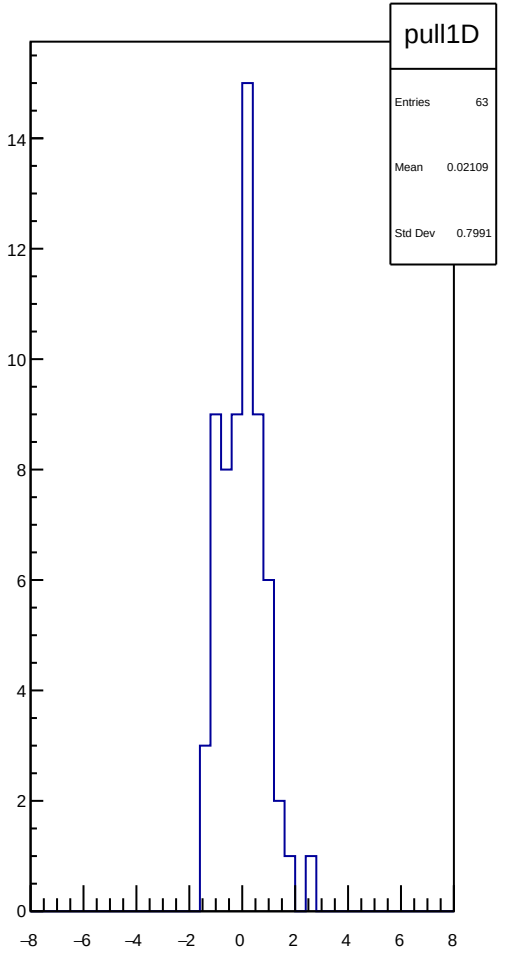

pull1D
Entries 63
Mean 0.01093
Std Dev 1.059

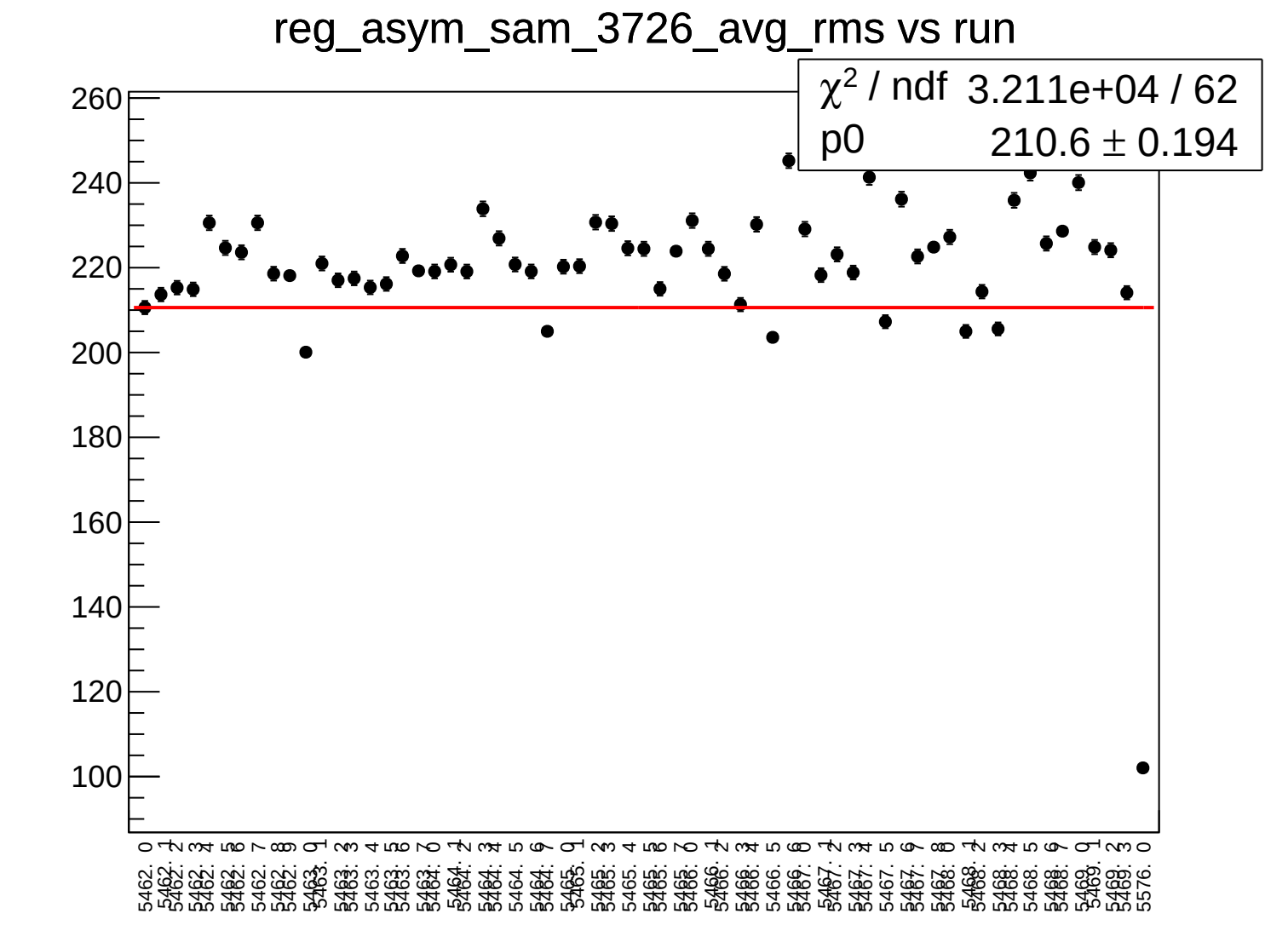

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8196 / 62
p0 81.58 ± 0.07439
100
95
90
85
80
75
70
65
60


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.52 / 62
p0 2.532e−14 ± 5.849e−14
pull
Entries 63
Mean 66.49
Std Dev 0
pull1D
Entries 63
Mean 0.06803
Std Dev 0.8566


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.571e+05 / 62
p0 3.822e−11 ± 4.136e−14
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 40.26 / 62
p0 67.29 ± 274.3
pull
Entries 63
Mean 43.9
Std Dev 0


pull1D
Entries 63
Mean 0.02109
Std Dev 0.7991


reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3.211e+04 / 62
p0 210.6 ± 0.194
260
240
220
200
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
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5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
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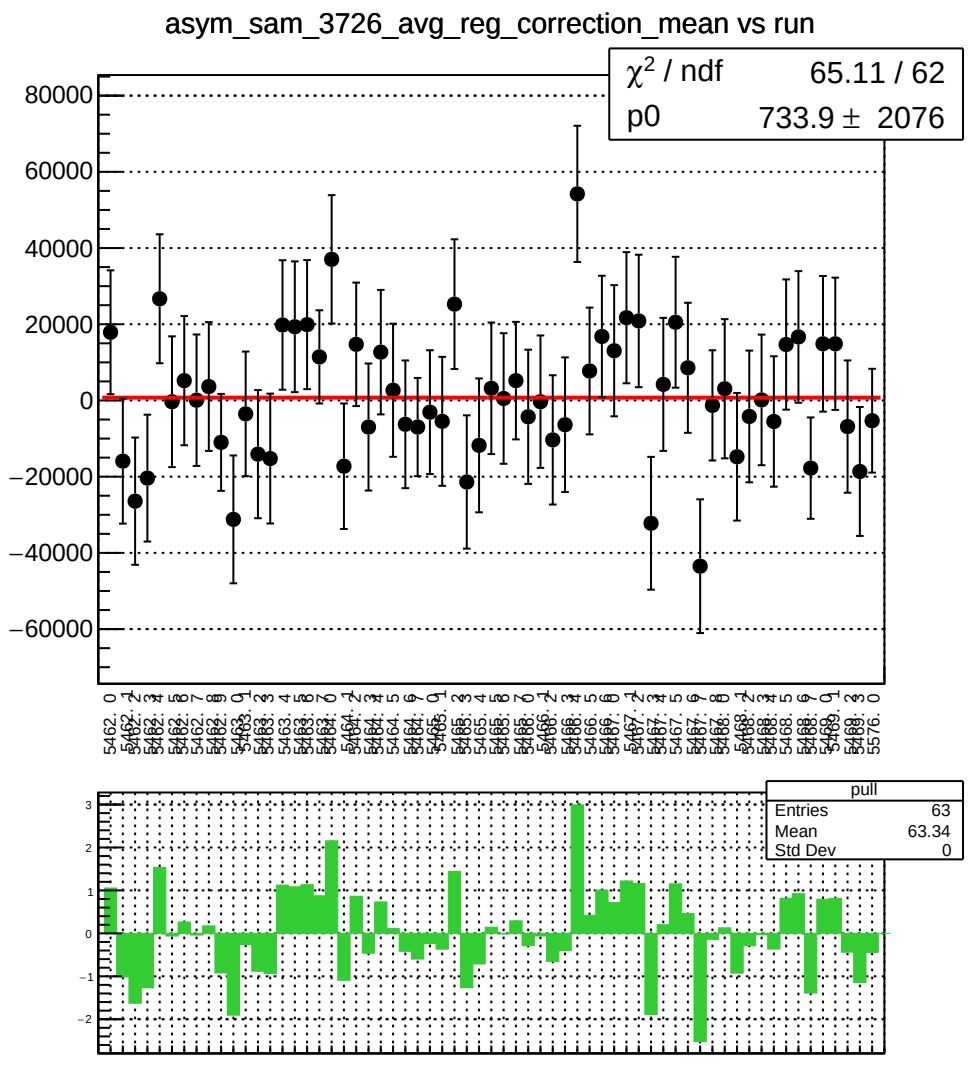
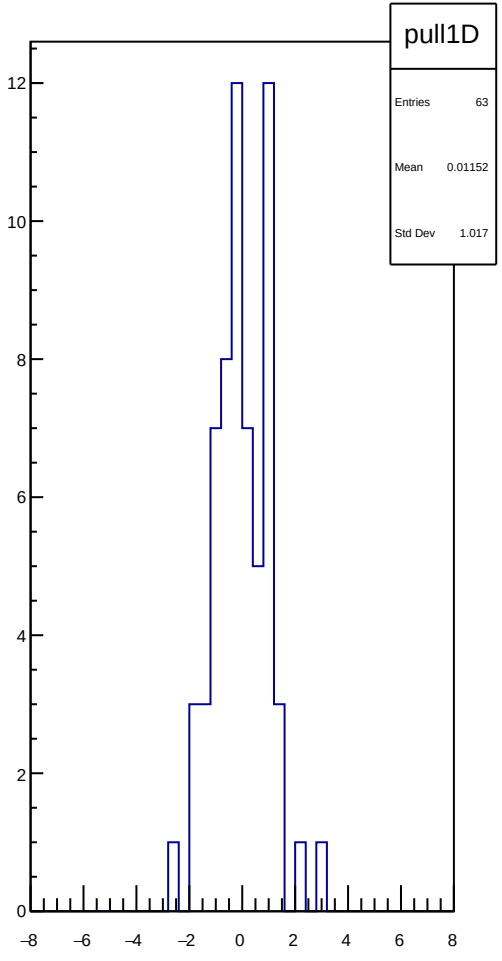
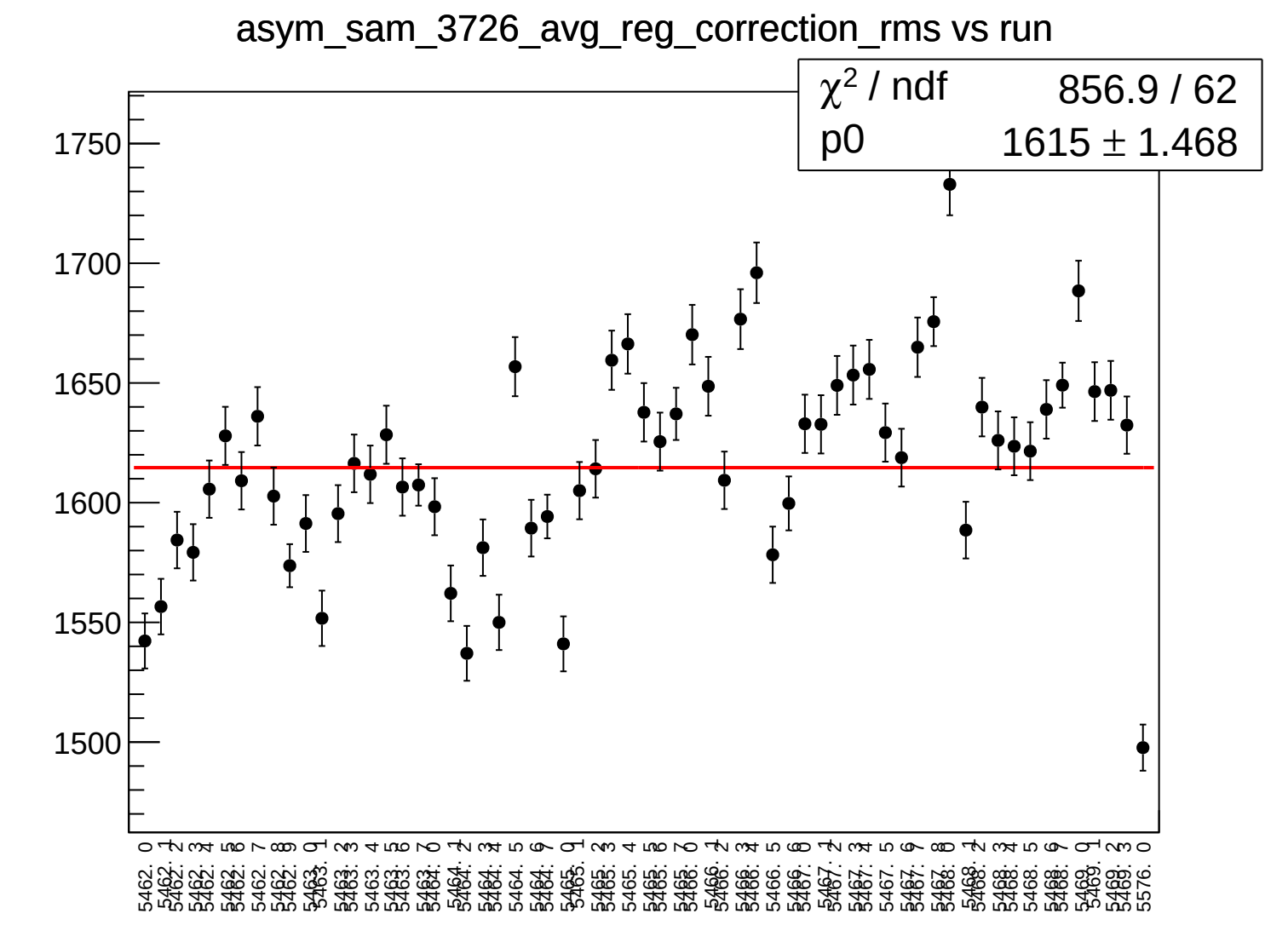
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0


asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 65.11 / 62
p0 733.9 ± 2076
pull
Entries 63
Mean 63.34
Std Dev 0


pull1D
Entries 63
Mean 0.01152
Std Dev 1.017


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 856.9 / 62
p0 1615 ± 1.468
1750
1700
1650
1600
1550
1500
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
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5464. 4
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5467. 1
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5467. 7
5468. 1
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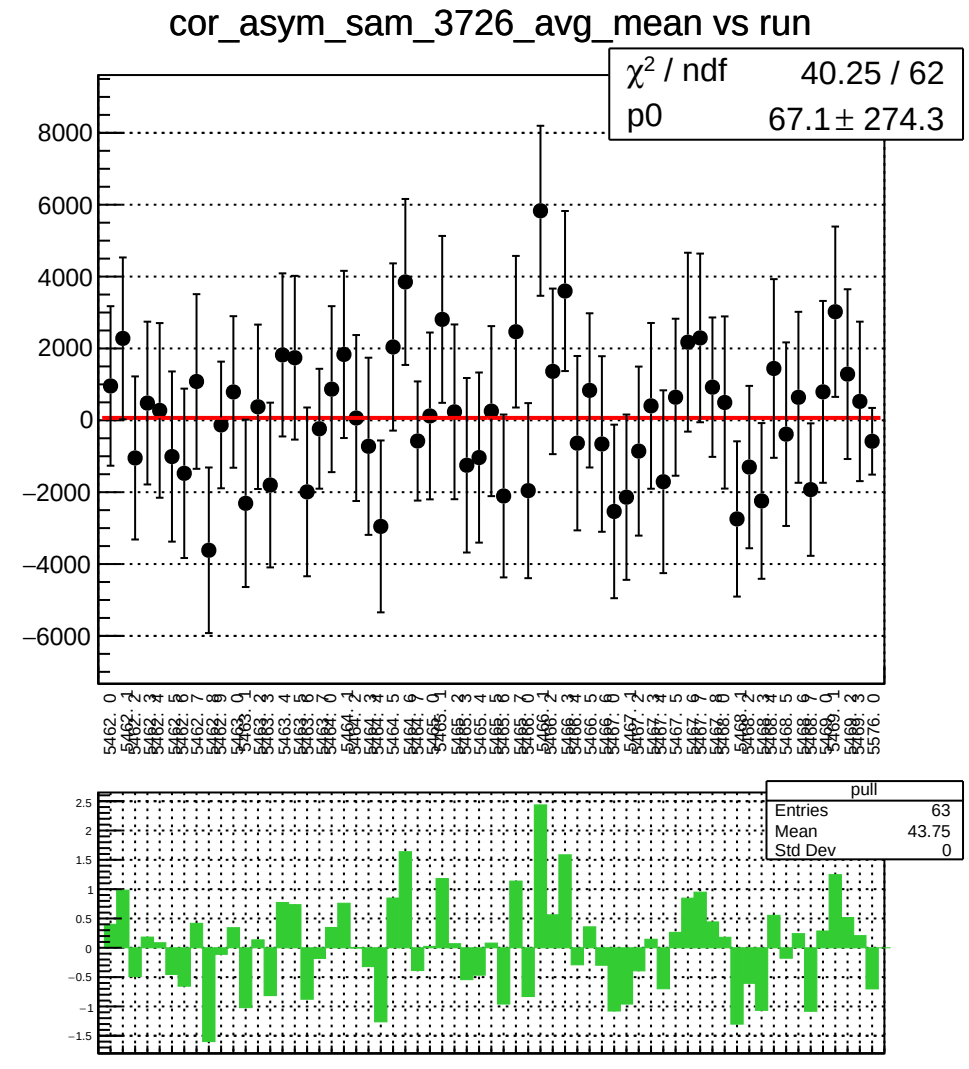
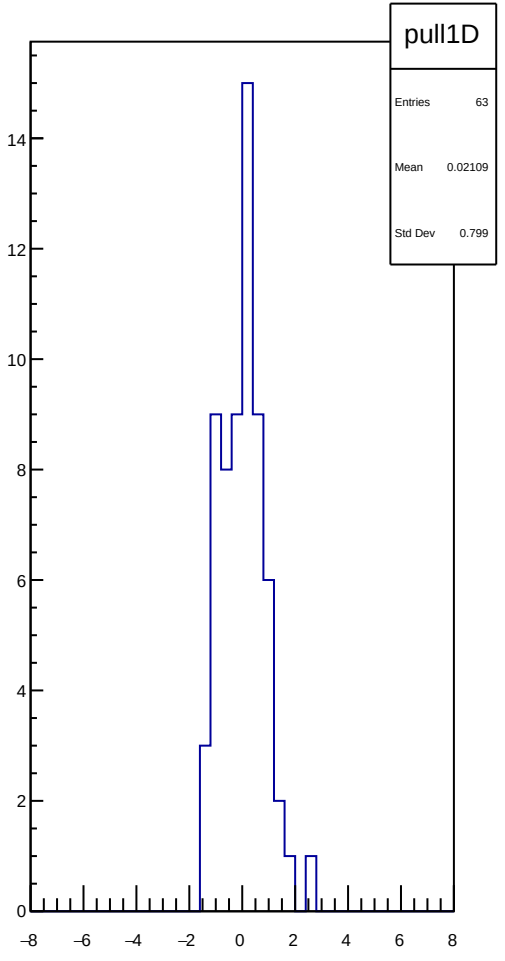
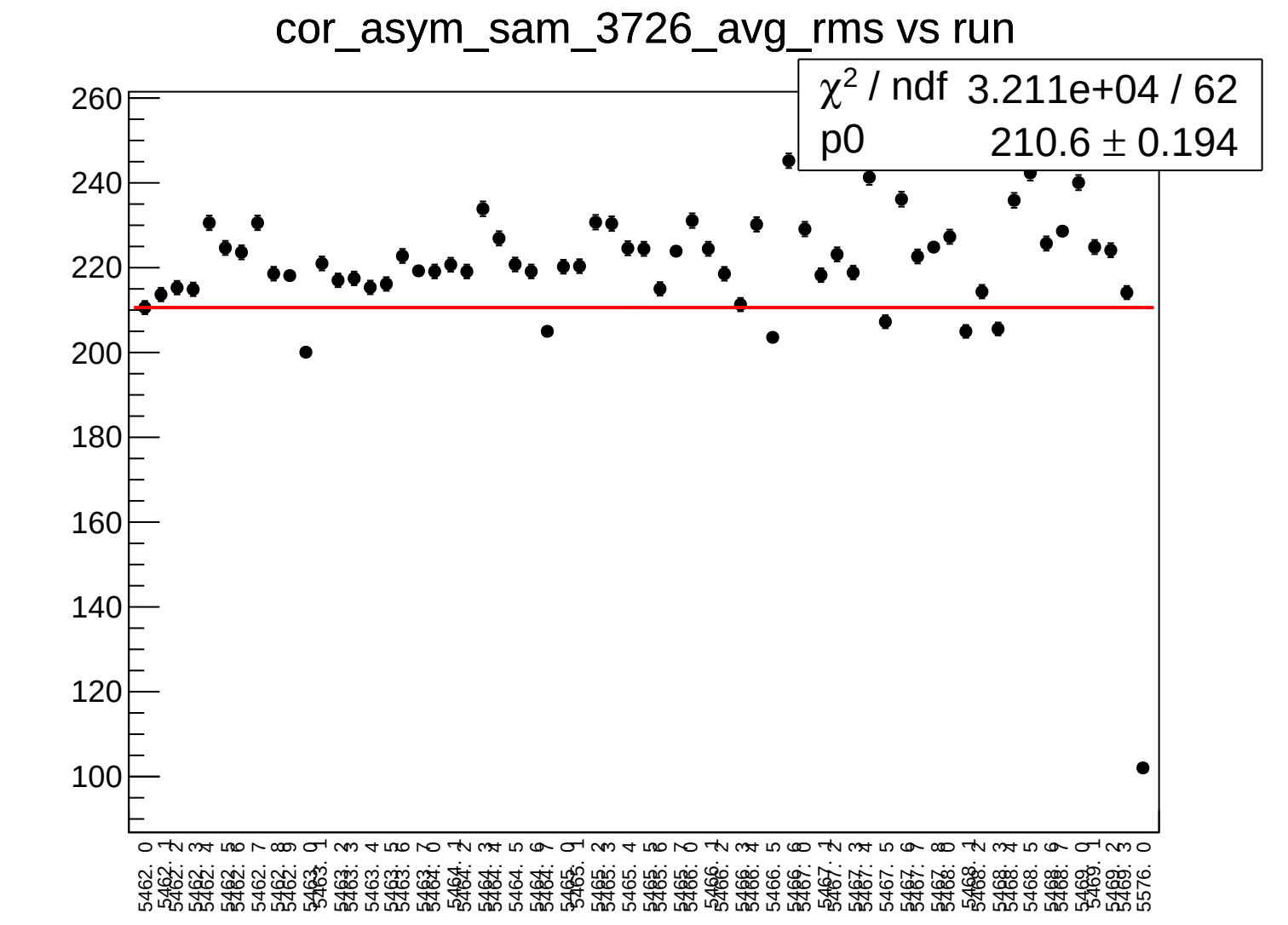
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 40.25 / 62
p0 67.1 ± 274.3
pull
Entries 63
Mean 43.75
Std Dev 0


pull1D
Entries 63
Mean 0.02109
Std Dev 0.799


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.211e+04 / 62
p0 210.6 ± 0.194
260
240
220
200
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5463. 6
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5468. 0
5468. 1
5468. 2
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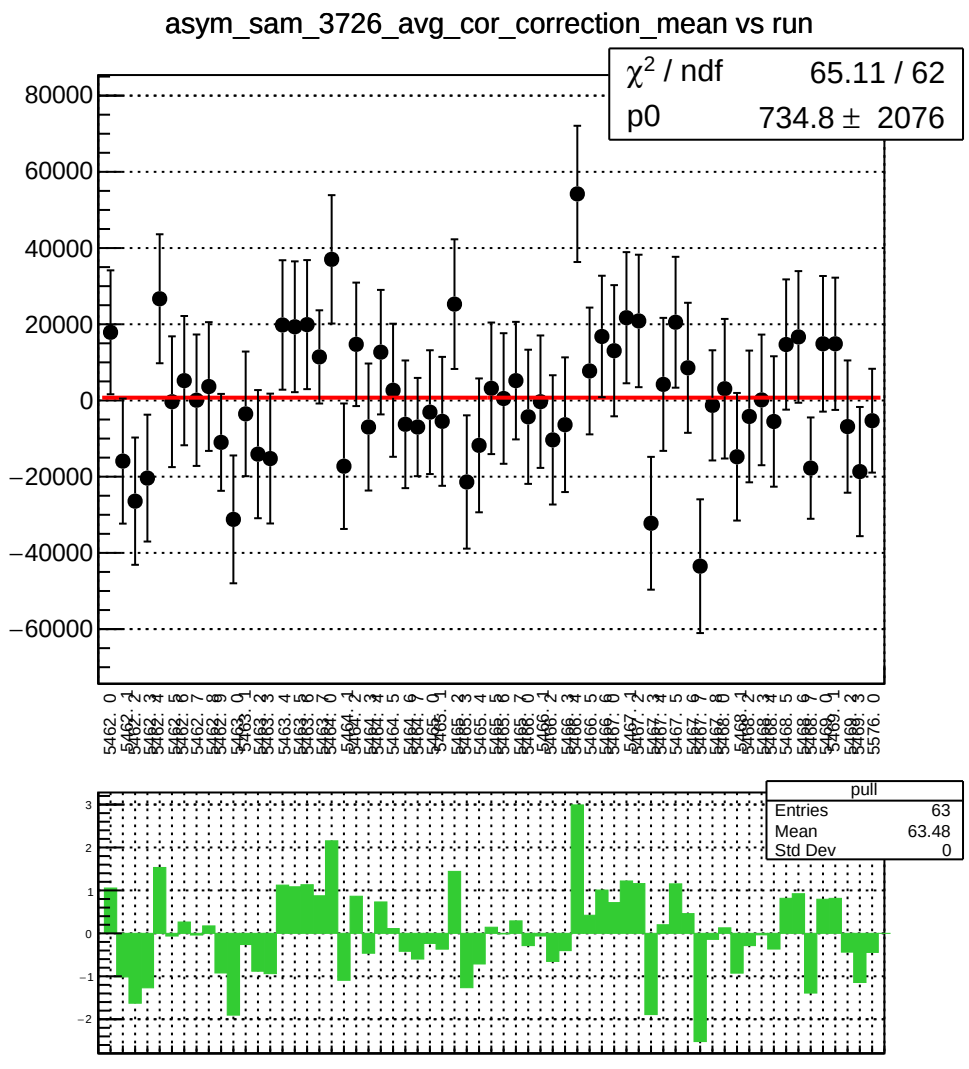
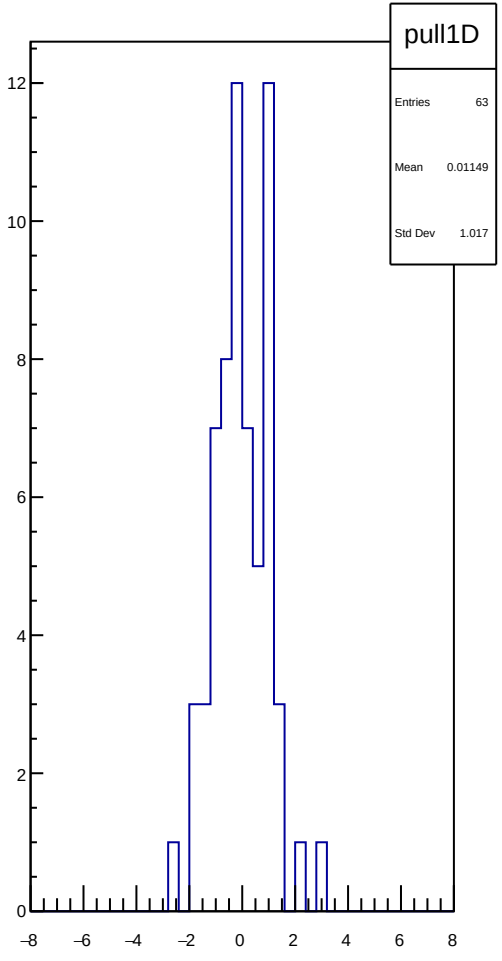
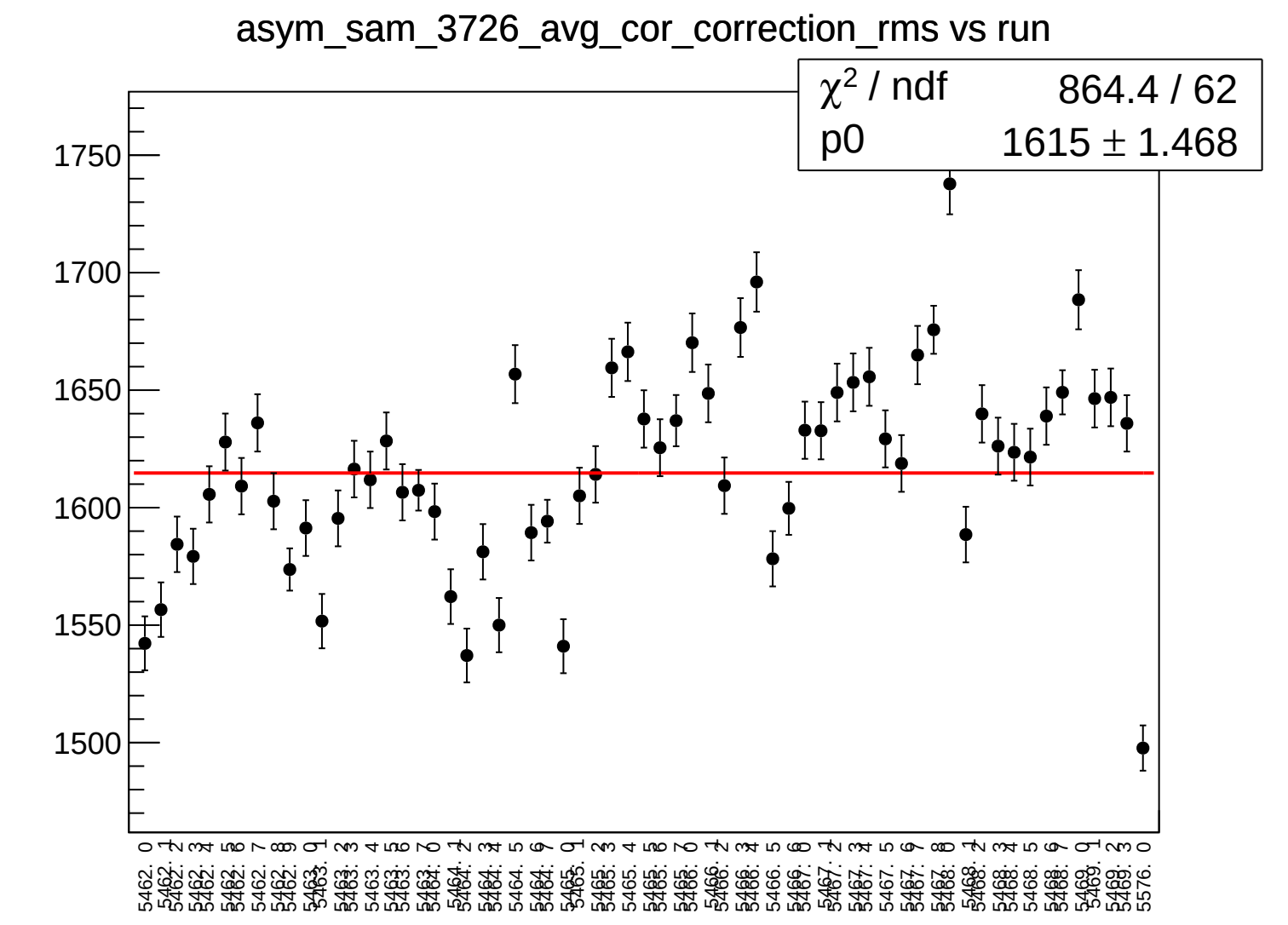
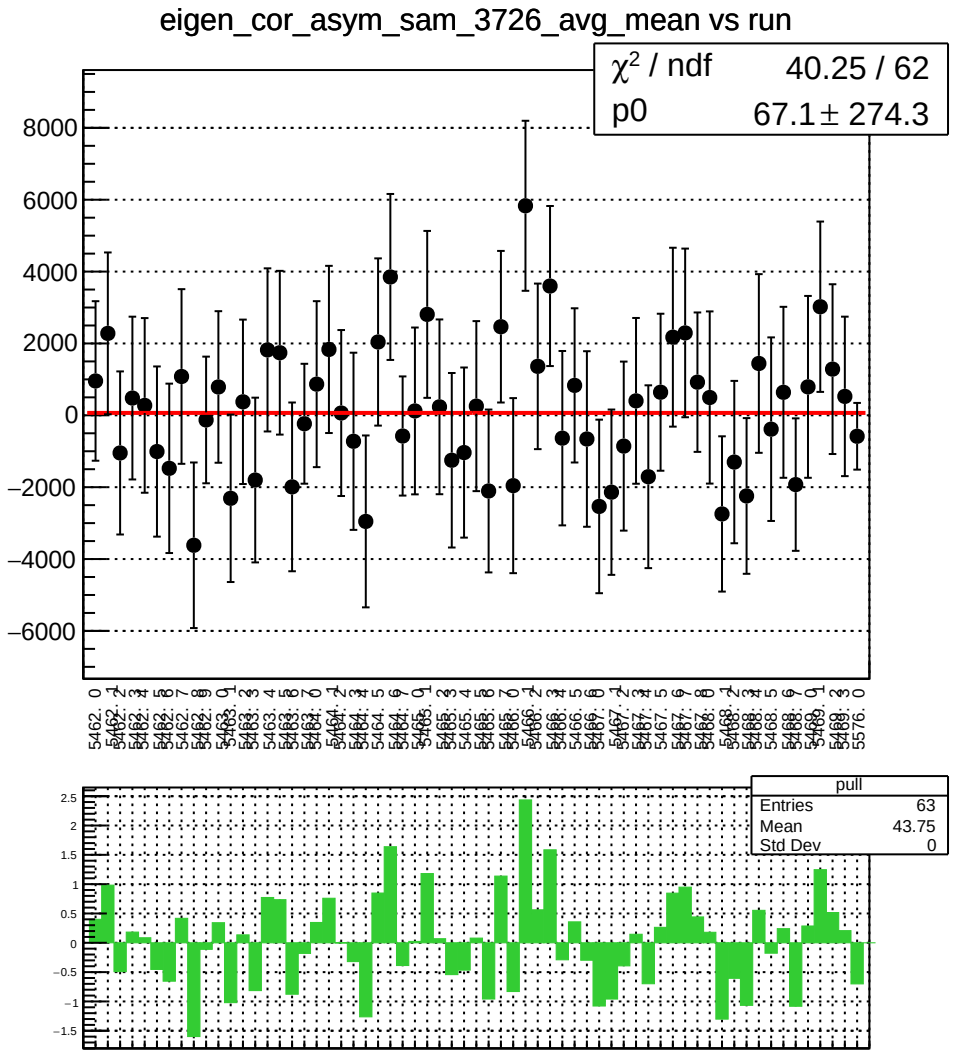
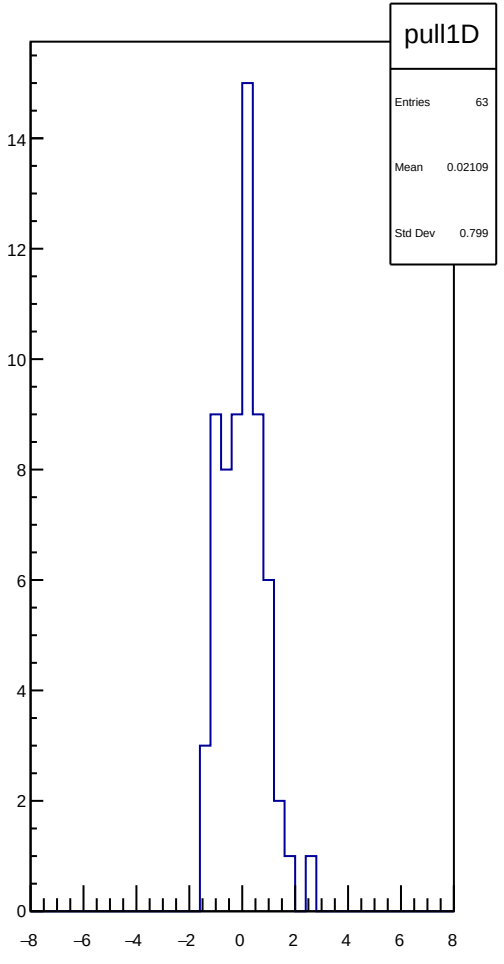
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

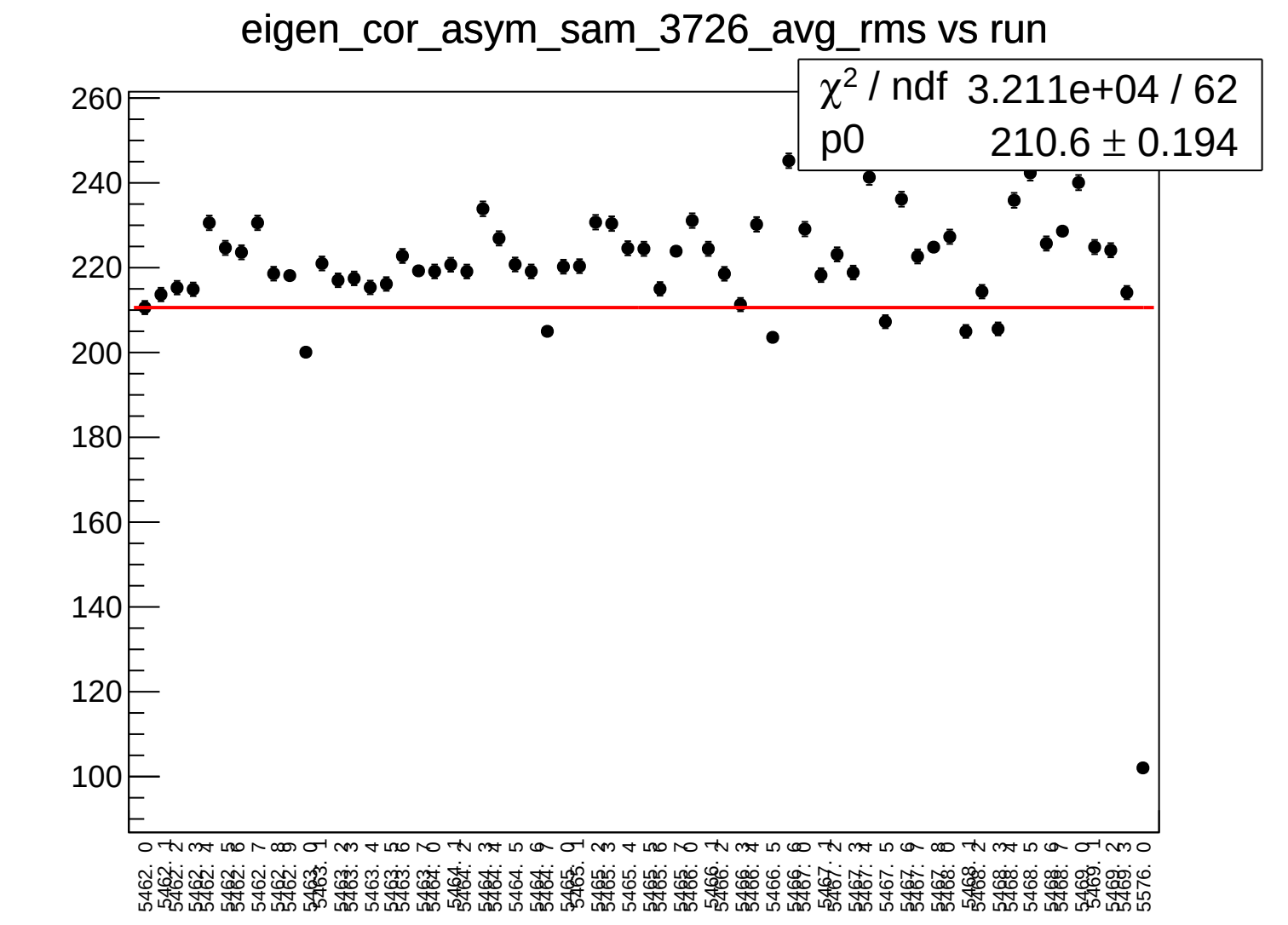

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 65.11 / 62
p0 734.8 ± 2076
pull
Entries 63
Mean 63.48
Std Dev 0


pull1D
Entries 63
Mean 0.01149
Std Dev 1.017


asym_sam_3726_avg_cor_correction_rms vs run
χ^2 / ndf 864.4 / 62
p0 1615 ± 1.468
1750
1700
1650
1600
1550
1500


eigen_cor_asym_sam_3726_avg_mean vs run
χ^2 / ndf 40.25 / 62
p0 67.1 ± 274.3
pull
Entries 63
Mean 43.75
Std Dev 0


pull1D
Entries 63
Mean 0.02109
Std Dev 0.799


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.211e+04 / 62
p0 210.6 ± 0.194
260
240
220
200
180
160
140
120
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
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5463. 6
5463. 7
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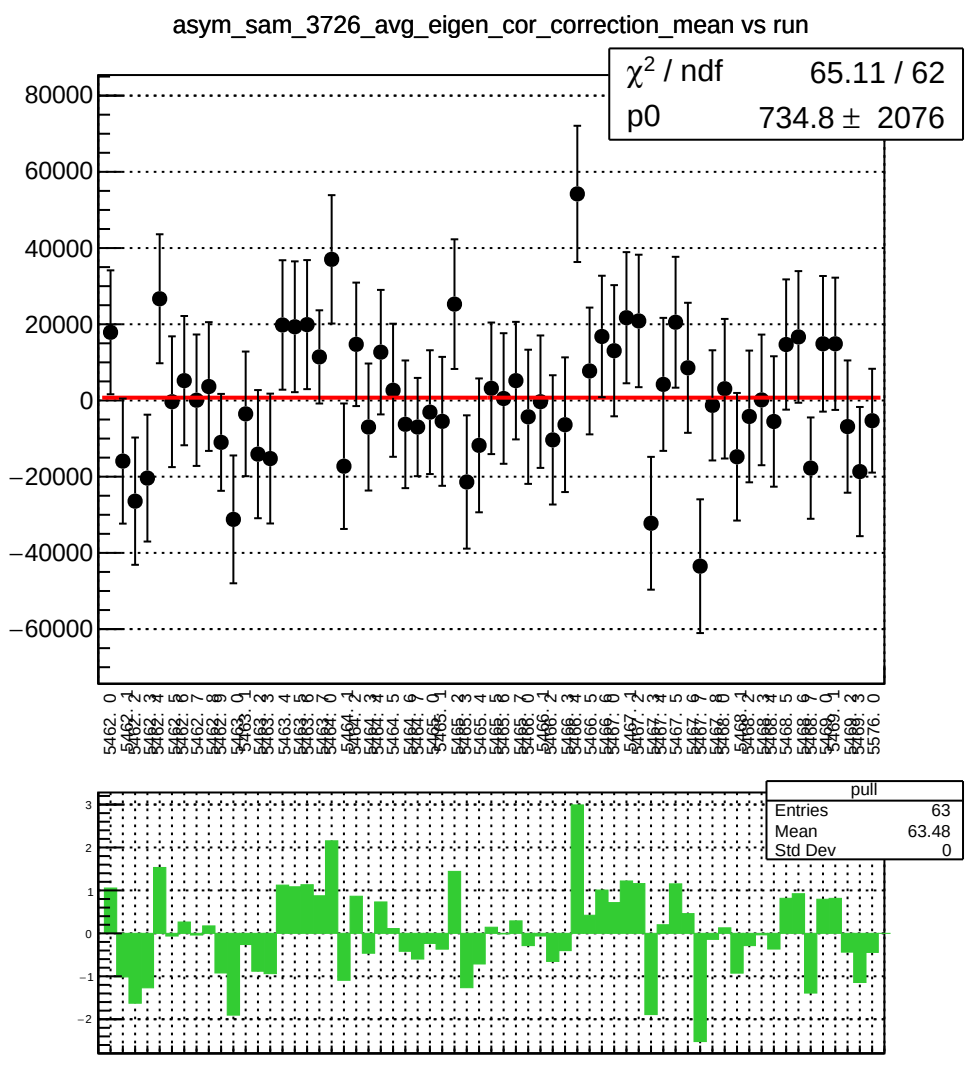
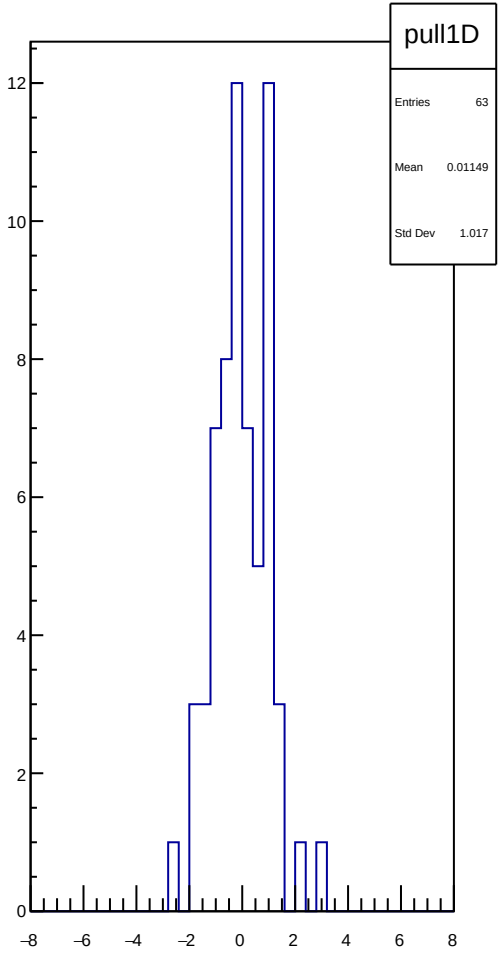
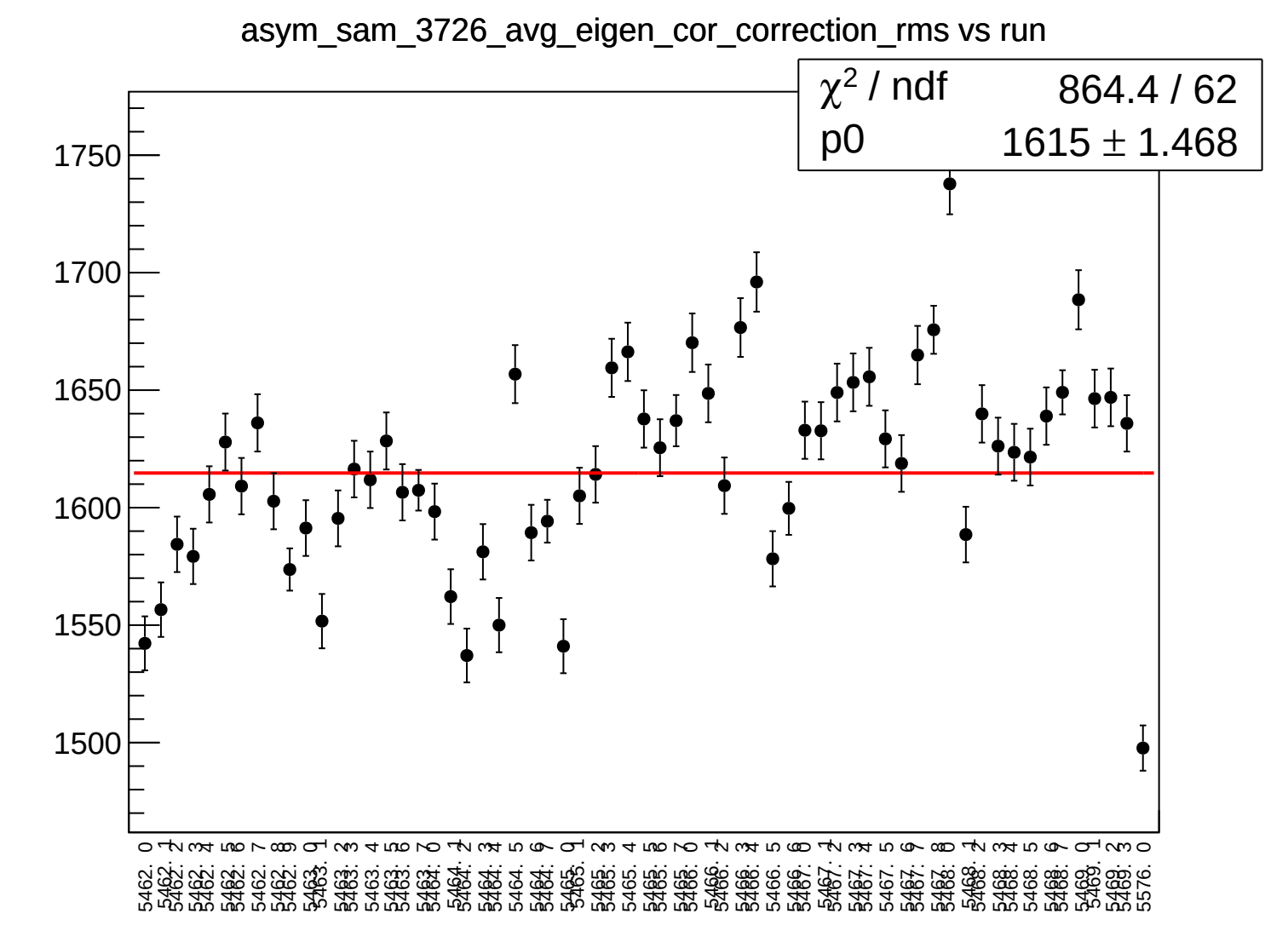
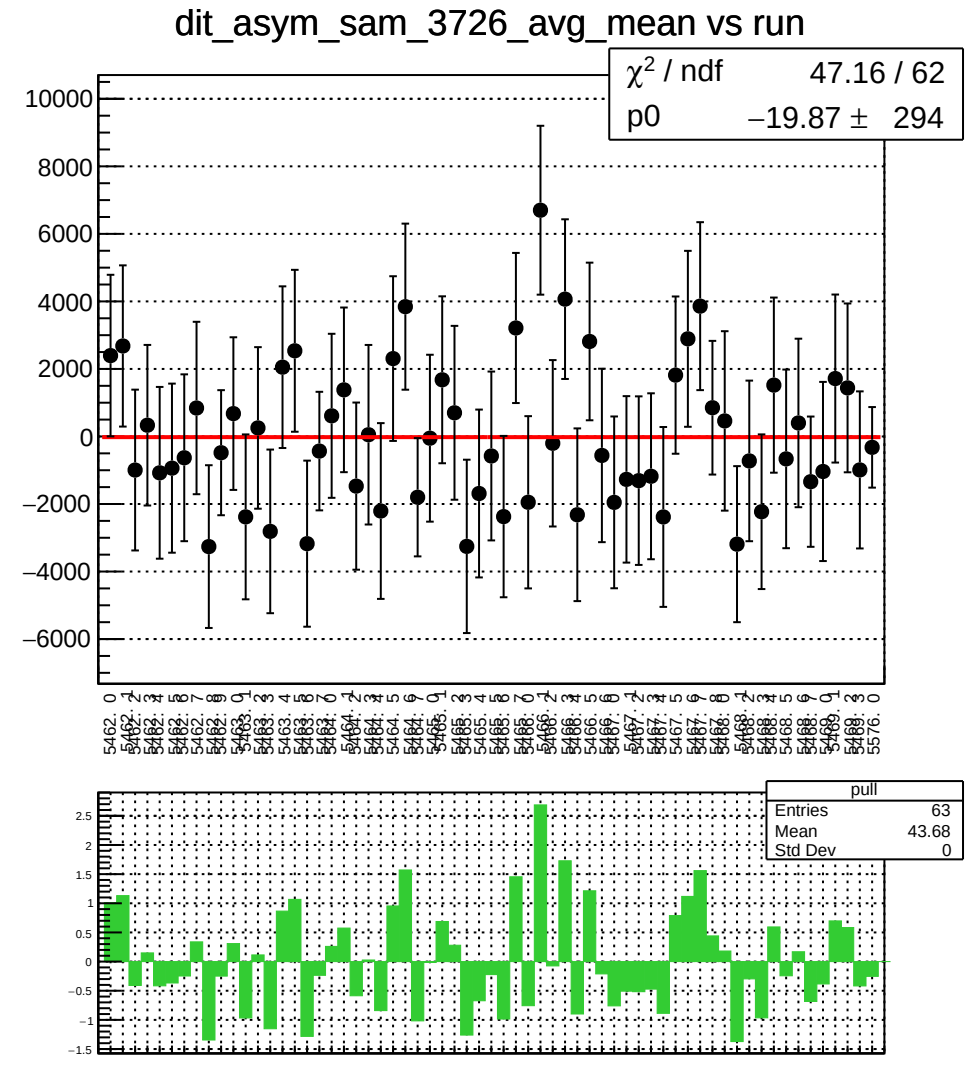
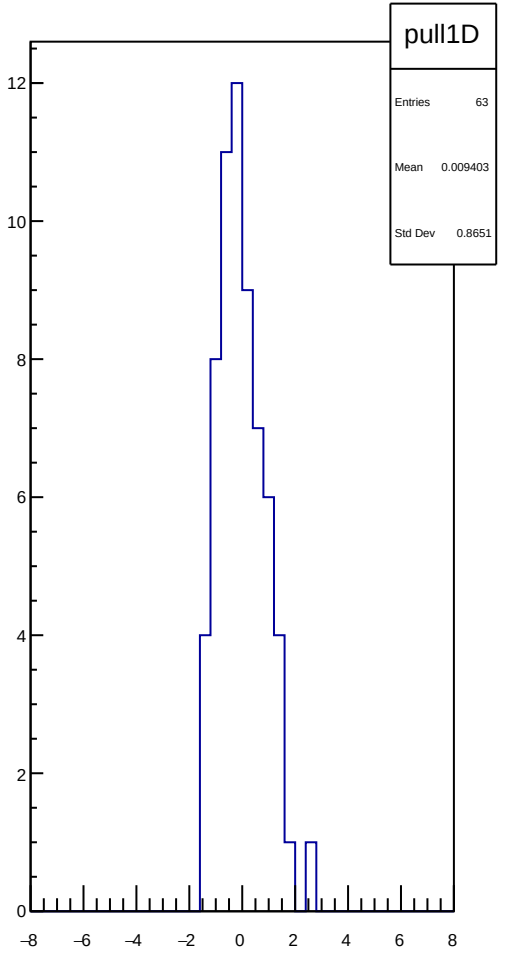
5469. 1
5469. 2
5469. 3
5576. 0

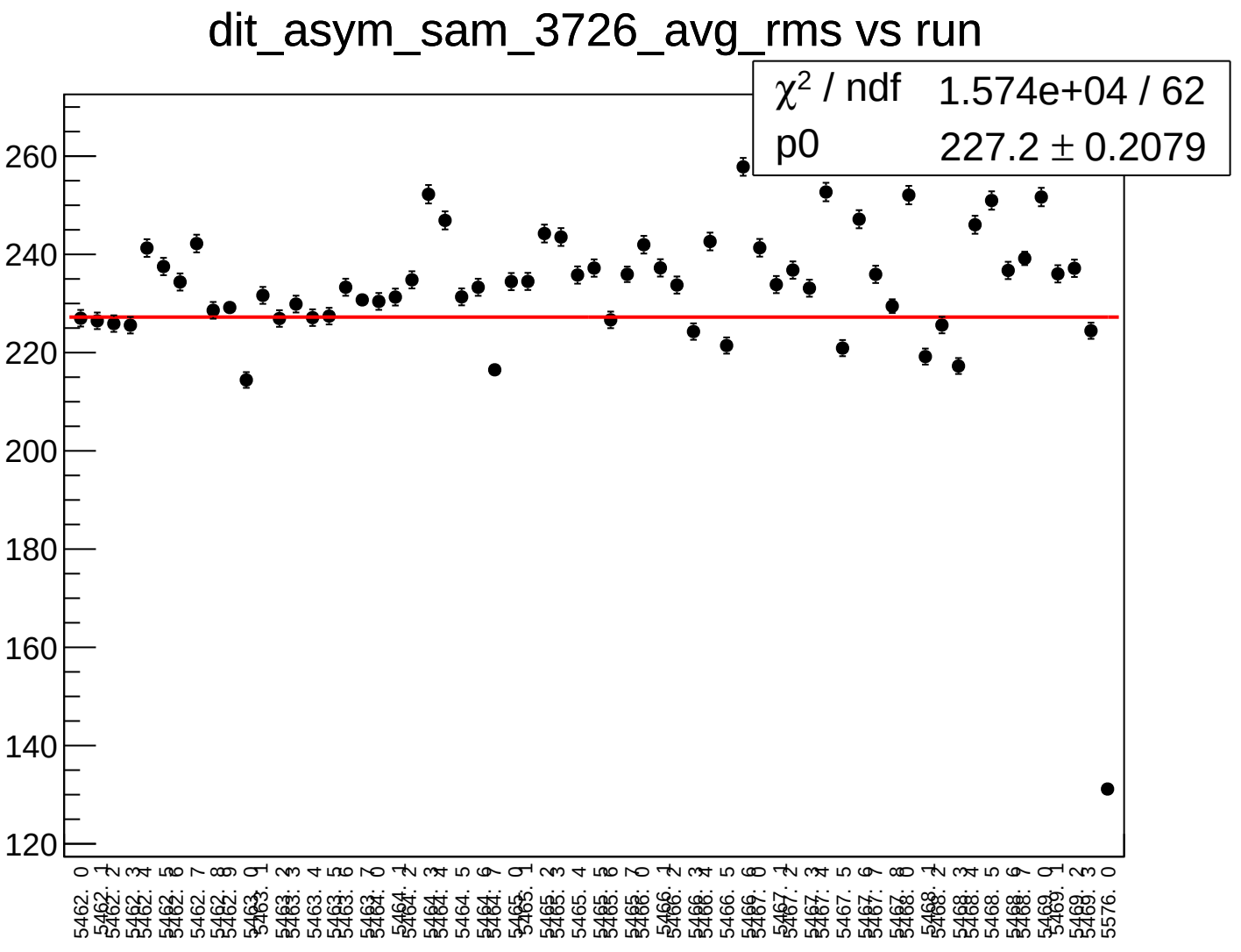

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.11 / 62
p0 734.8 ± 2076
pull
Entries 63
Mean 63.48
Std Dev 0

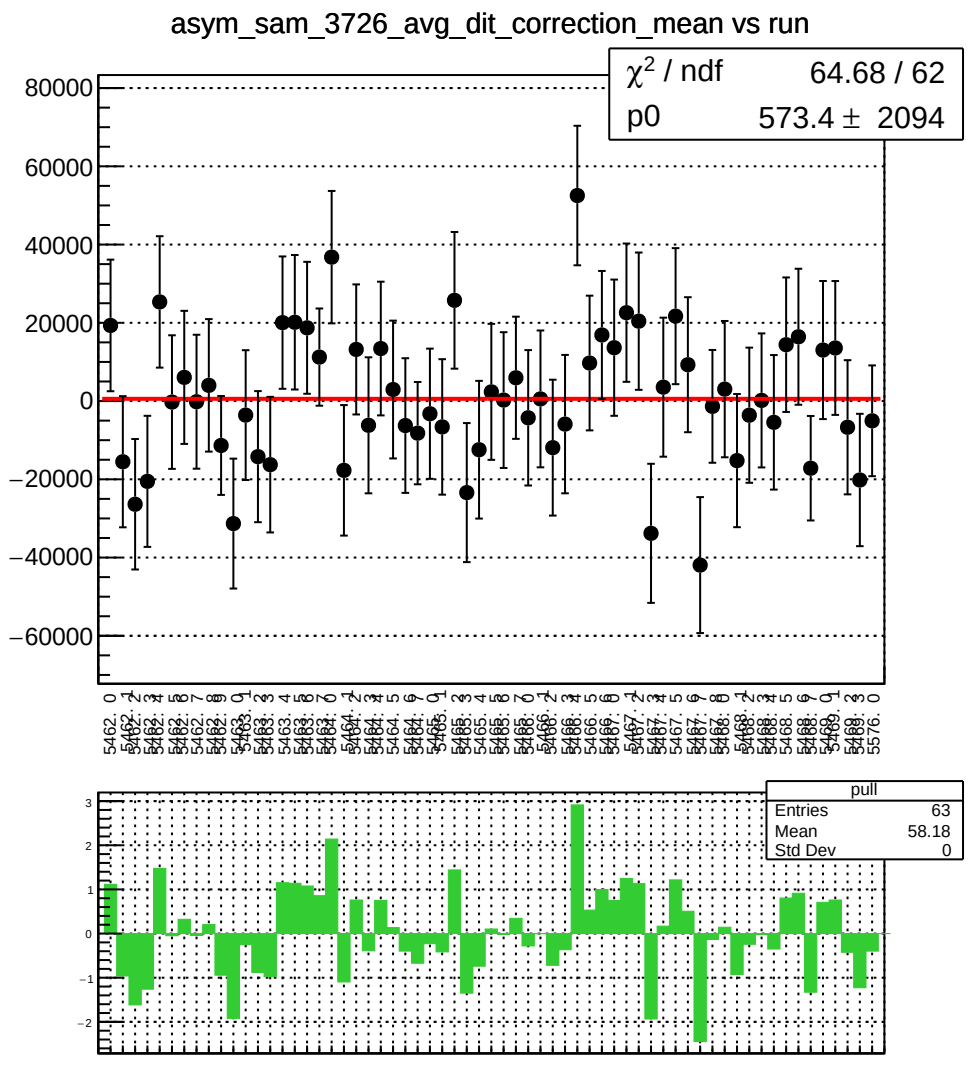

pull1D
Entries 63
Mean 0.01149
Std Dev 1.017

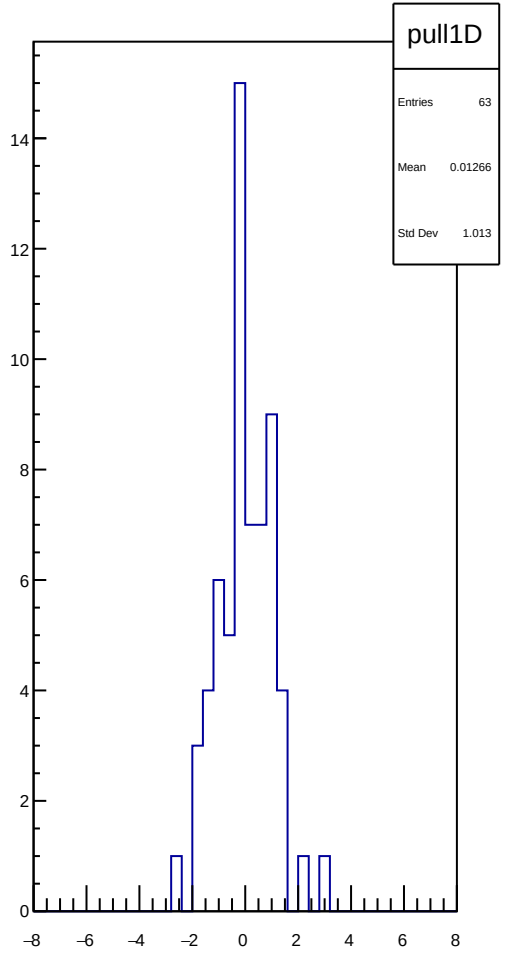

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 864.4 / 62
p0 1615 ± 1.468
1750
1700
1650
1600
1550
1500

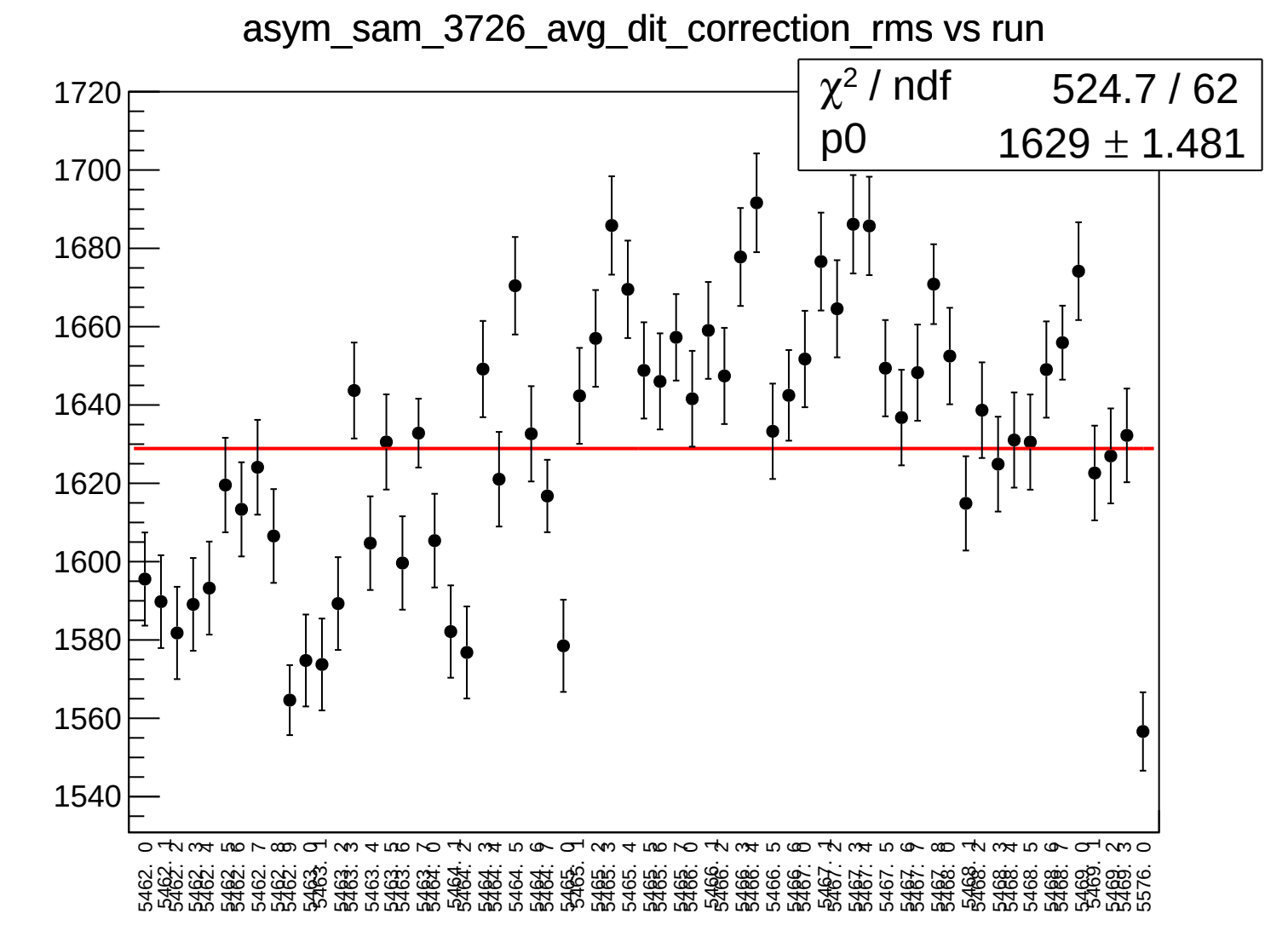

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 47.16 / 62
p0 −19.87 ± 294
pull
Entries 63
Mean 43.68
Std Dev 0

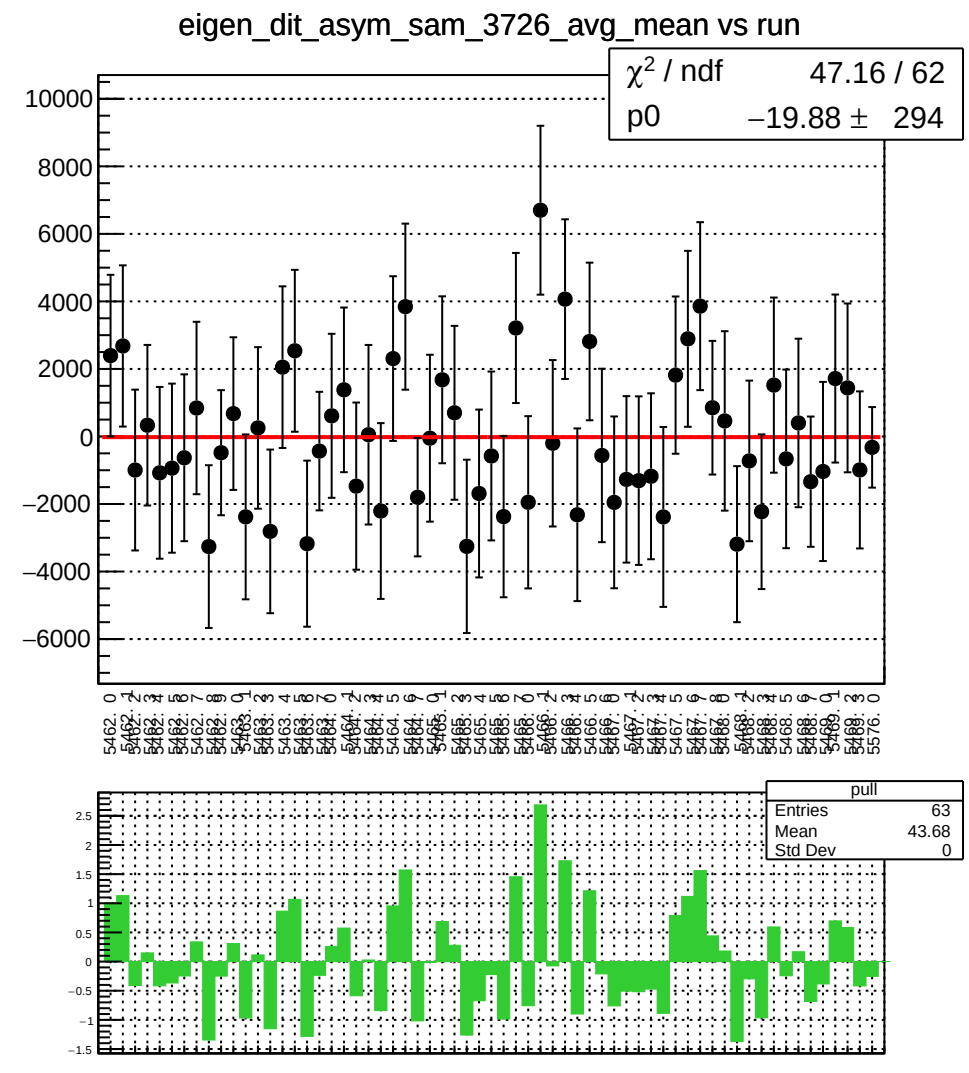

pull1D
Entries 63
Mean 0.009403
Std Dev 0.8651

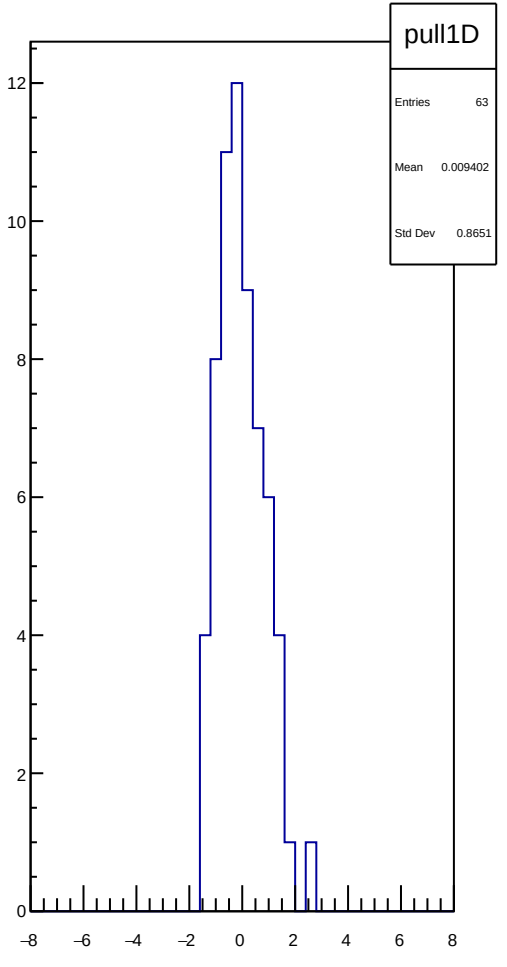

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.574e+04 / 62
p0 227.2 ± 0.2079
260
240
220
200
180
160
140
120

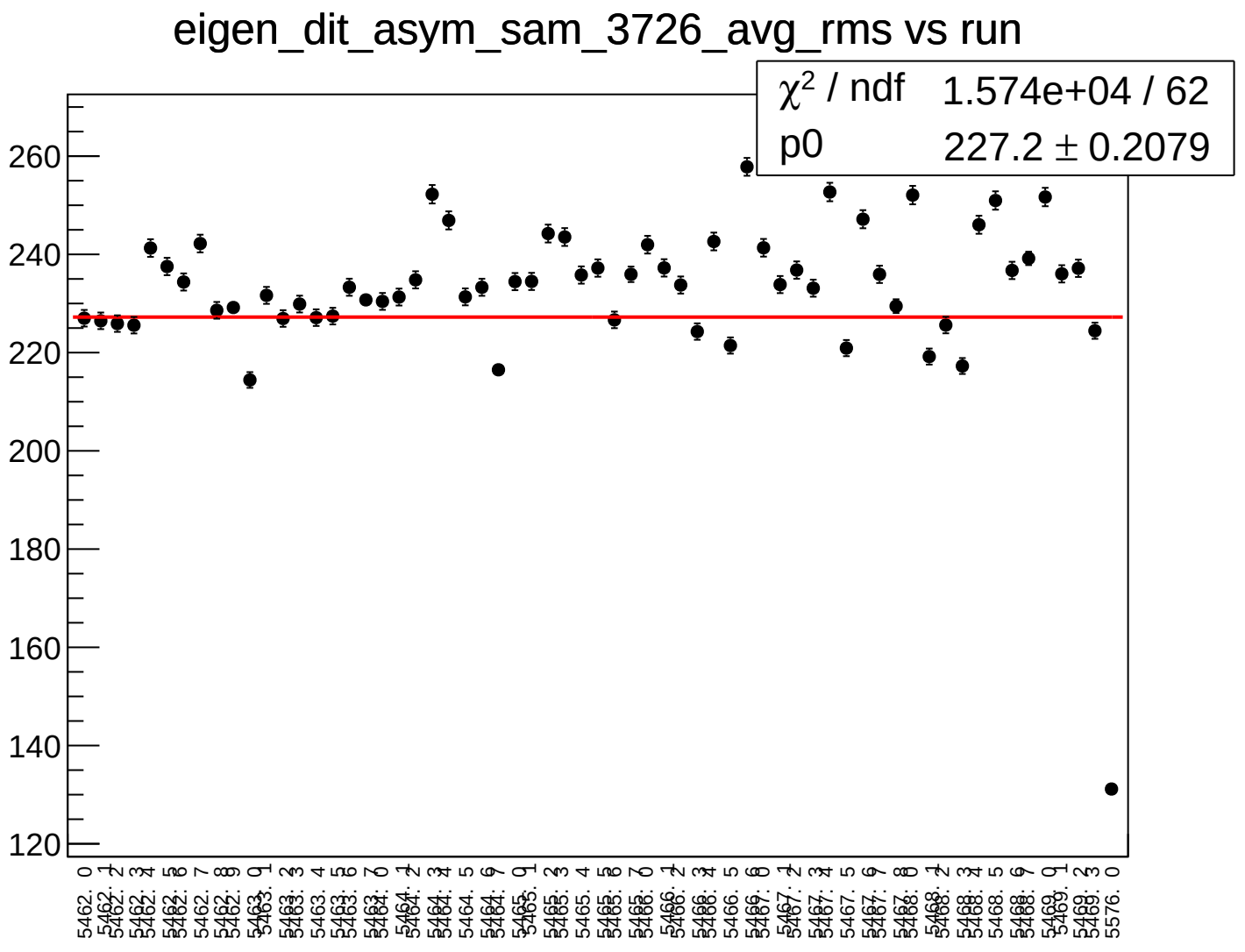

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 64.68 / 62
p0 573.4 ± 2094
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 63
Mean 58.18
Std Dev 0
3
2
1
0
−1
−2

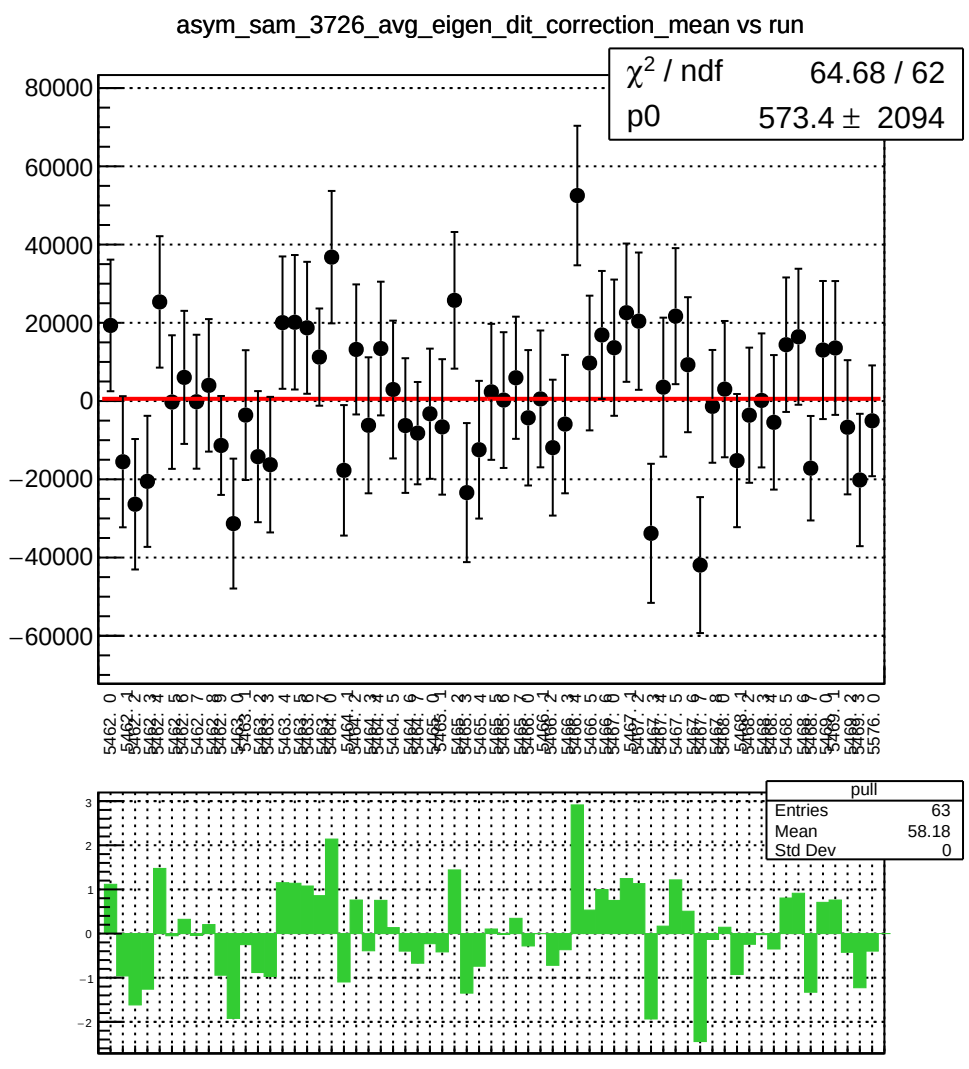

pull1D
Entries 63
Mean 0.01266
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

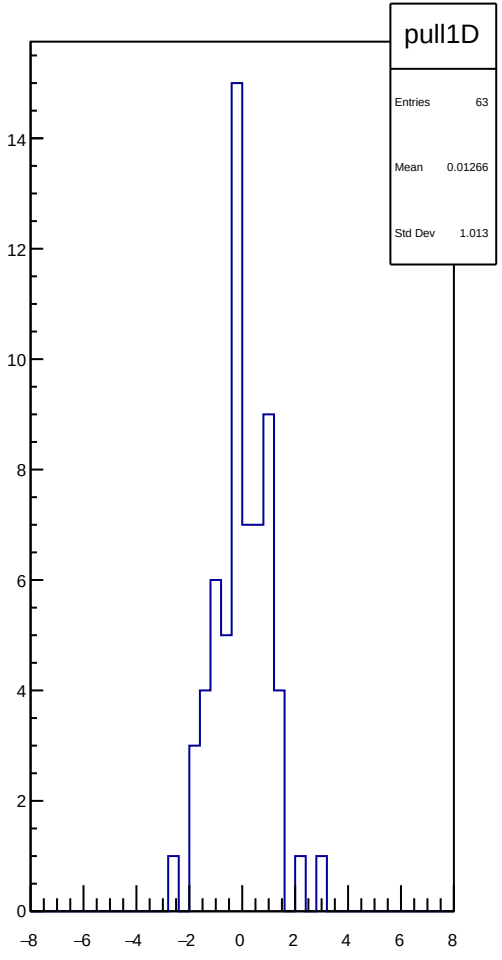

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 524.7 / 62
p0 1629 ± 1.481
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540

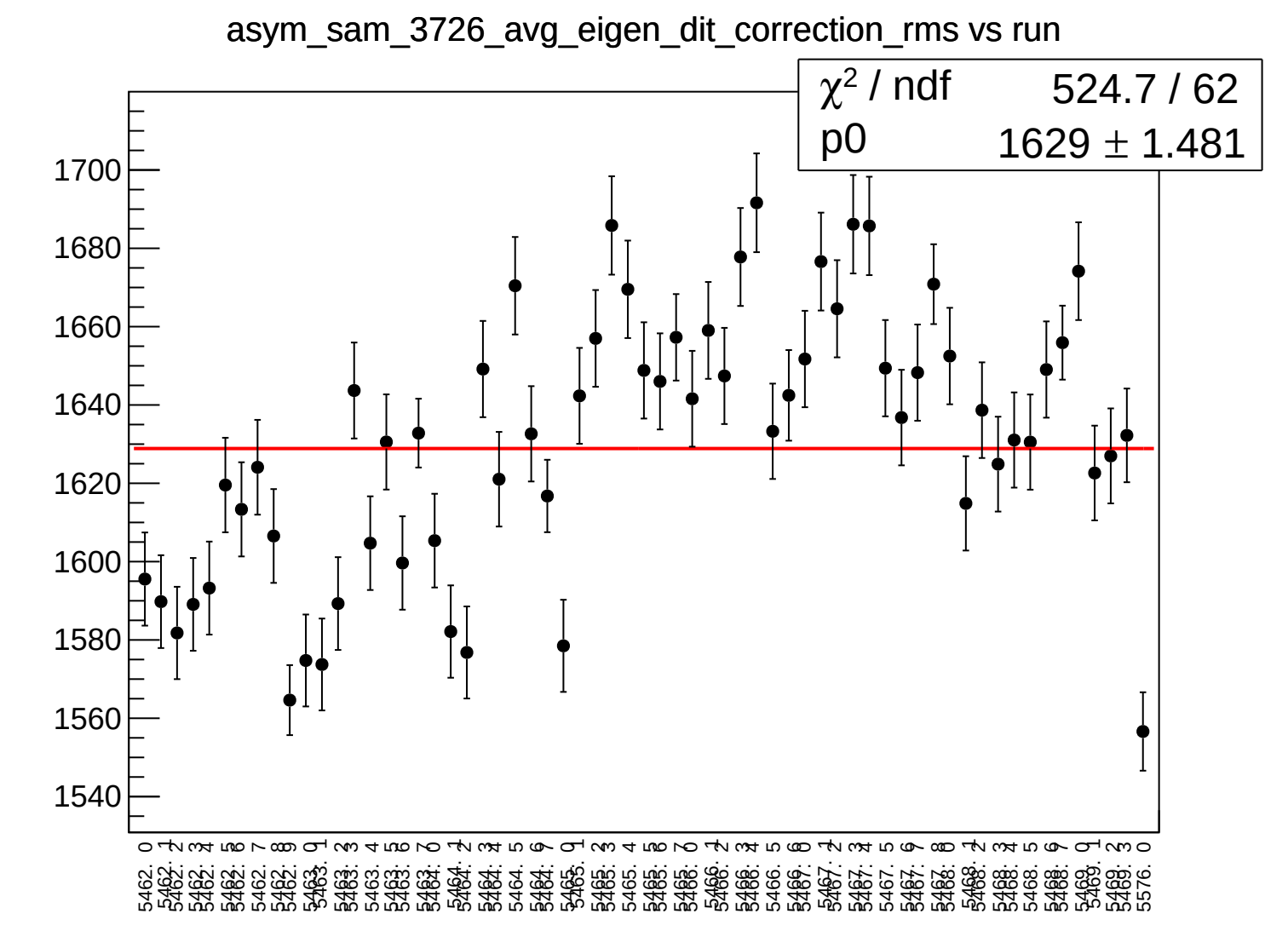

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 47.16 / 62
p0 −19.88 ± 294
pull
Entries 63
Mean 43.68
Std Dev 0

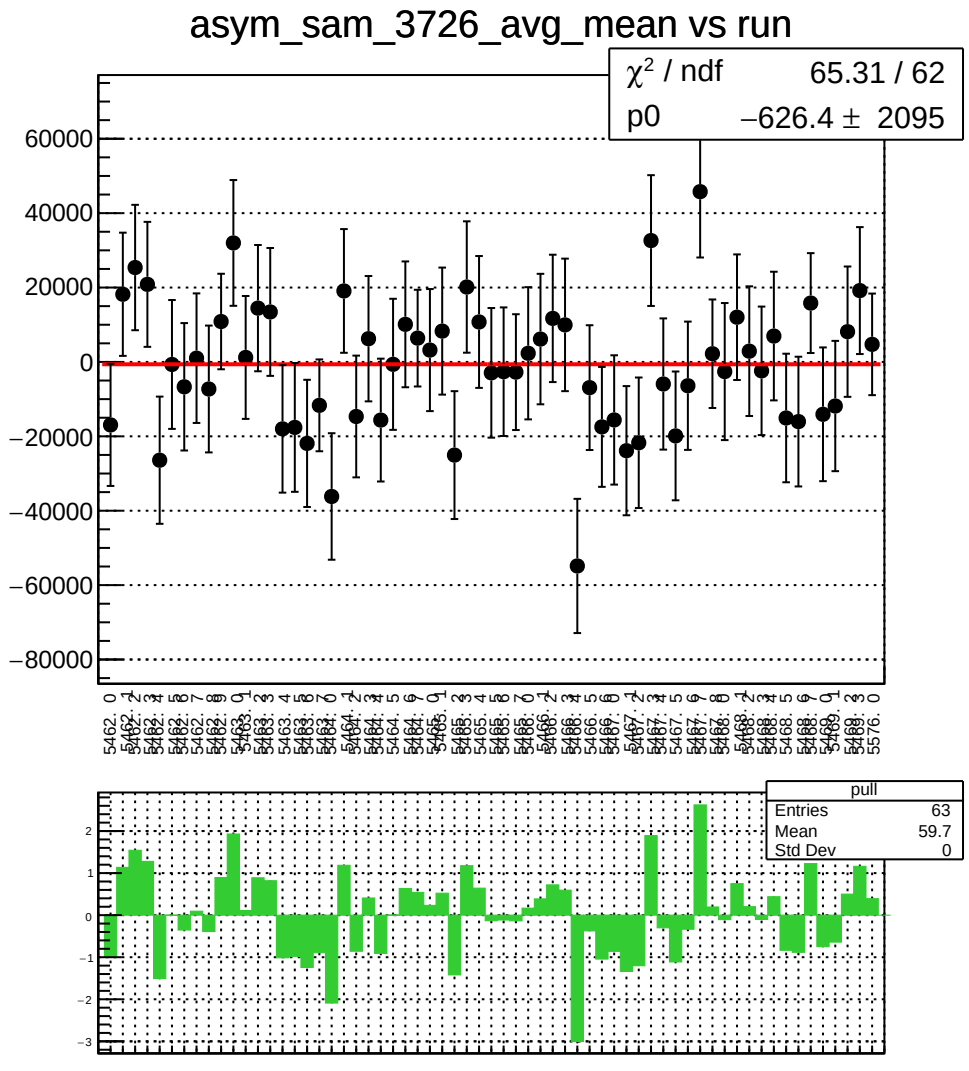

pull1D
Entries 63
Mean 0.009402
Std Dev 0.8651

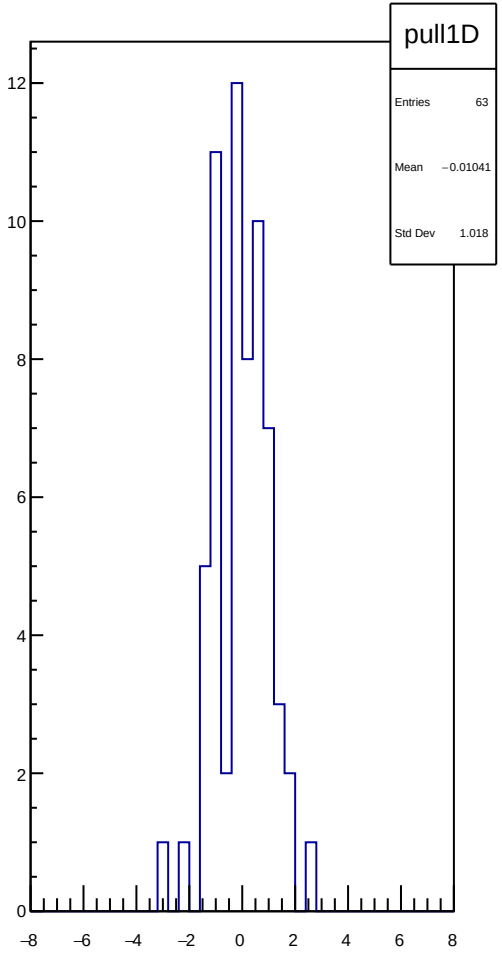

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.574e+04 / 62
p0 227.2 ± 0.2079
260
240
220
200
180
160
140
120

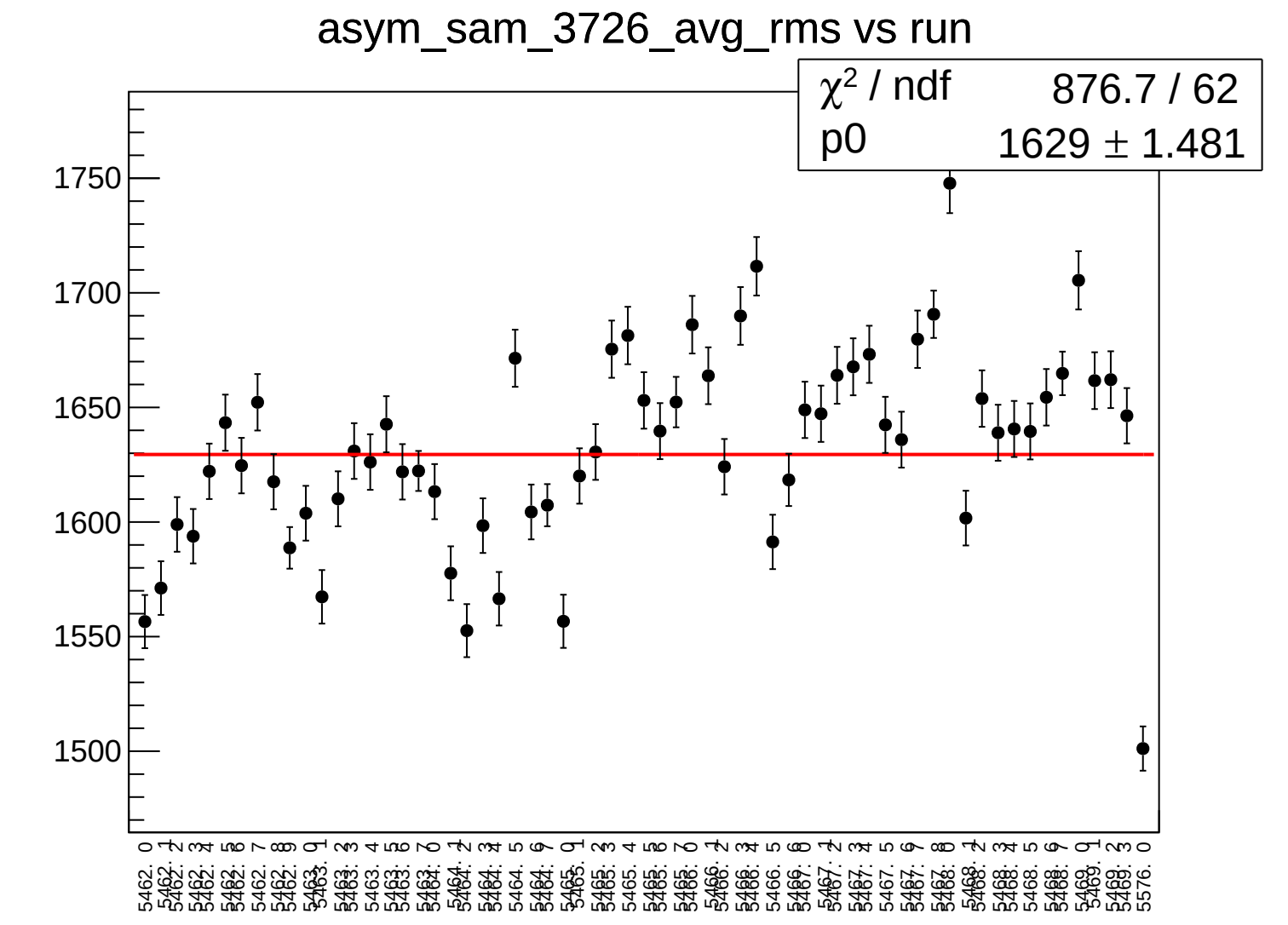

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.68 / 62
p0 573.4 ± 2094
pull
Entries 63
Mean 58.18
Std Dev 0

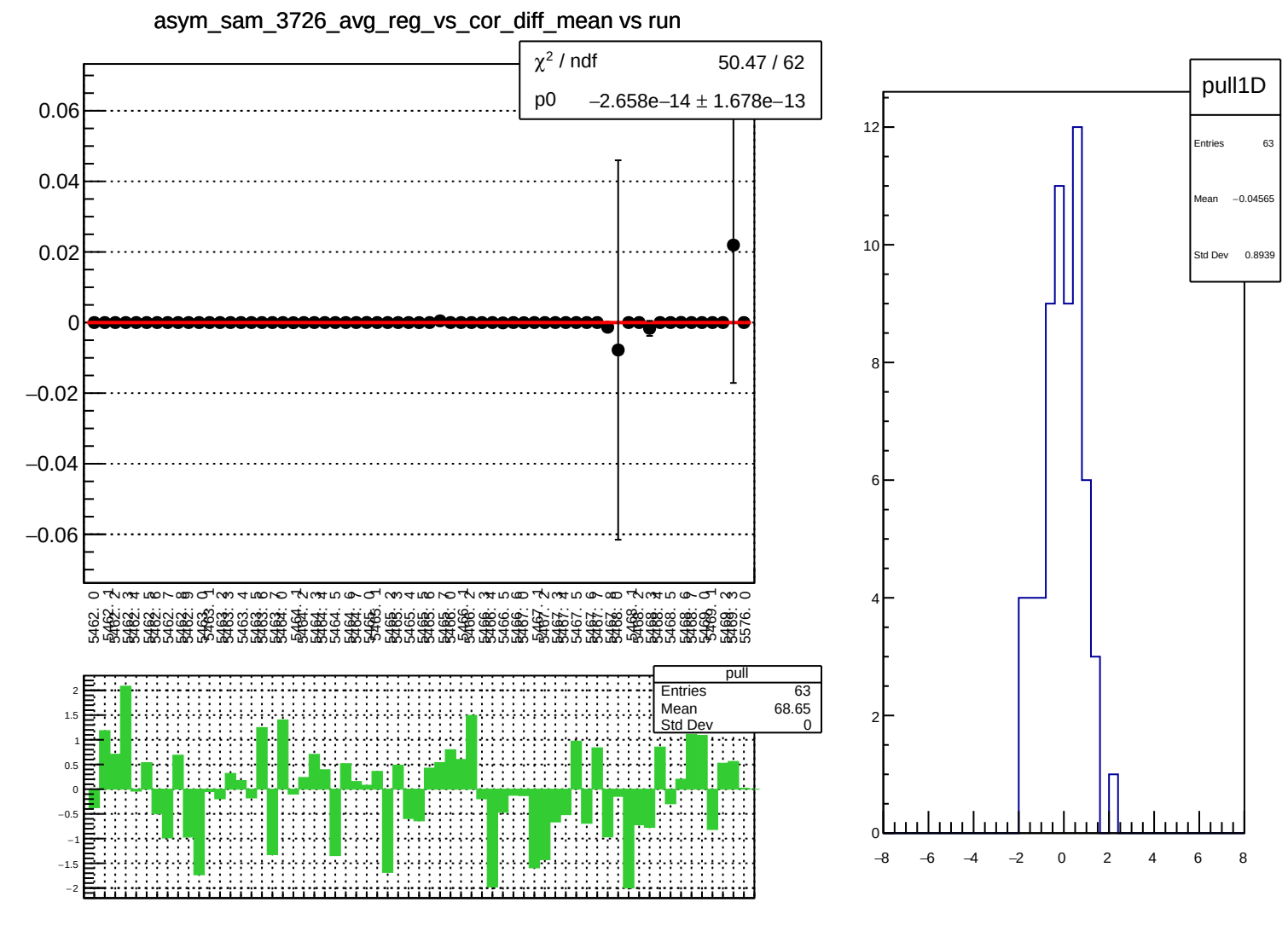

pull1D
Entries 63
Mean 0.01266
Std Dev 1.013

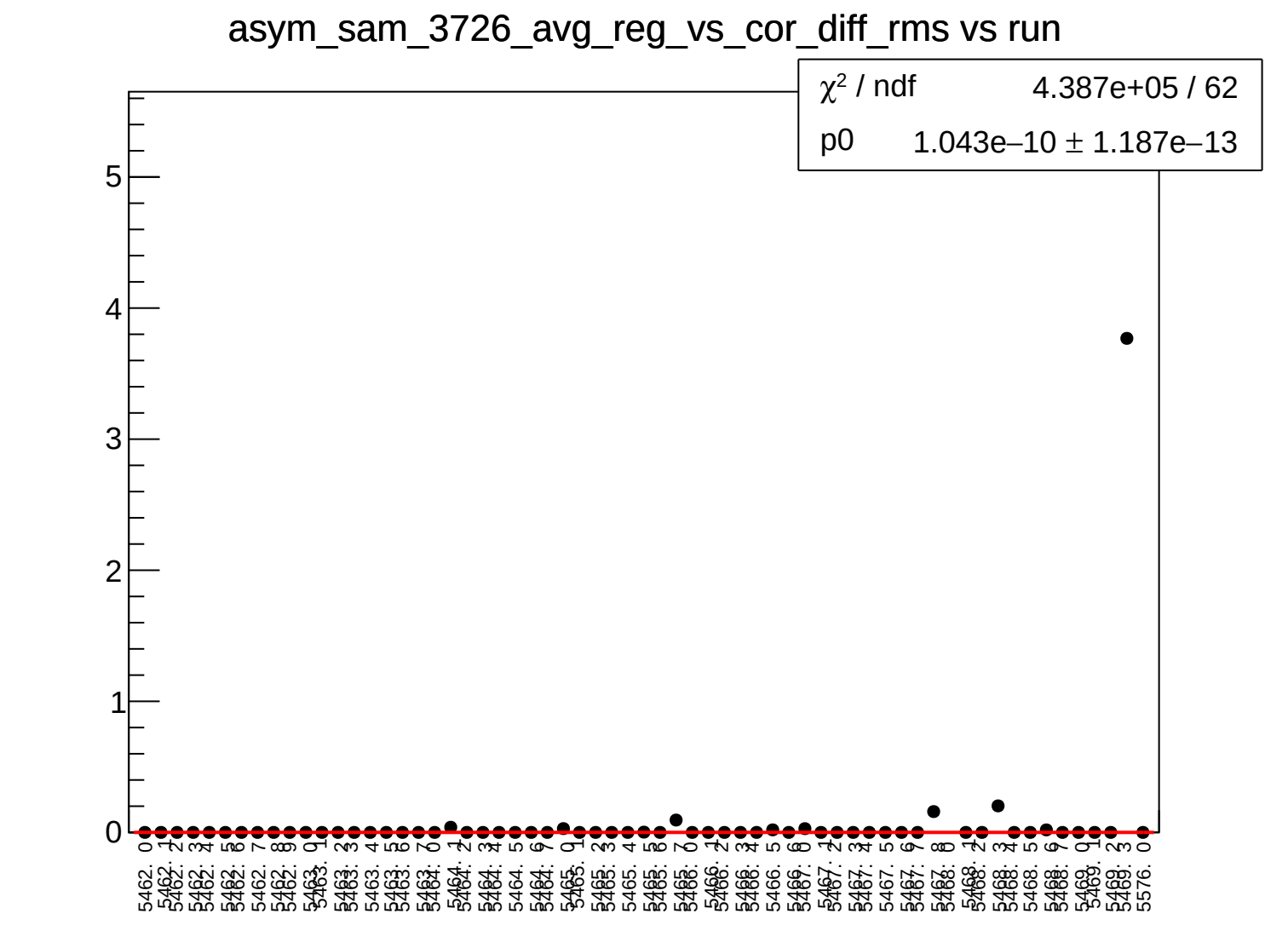

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 524.7 / 62
p0 1629 ± 1.481
1700
1680
1660
1640
1620
1600
1580
1560
1540

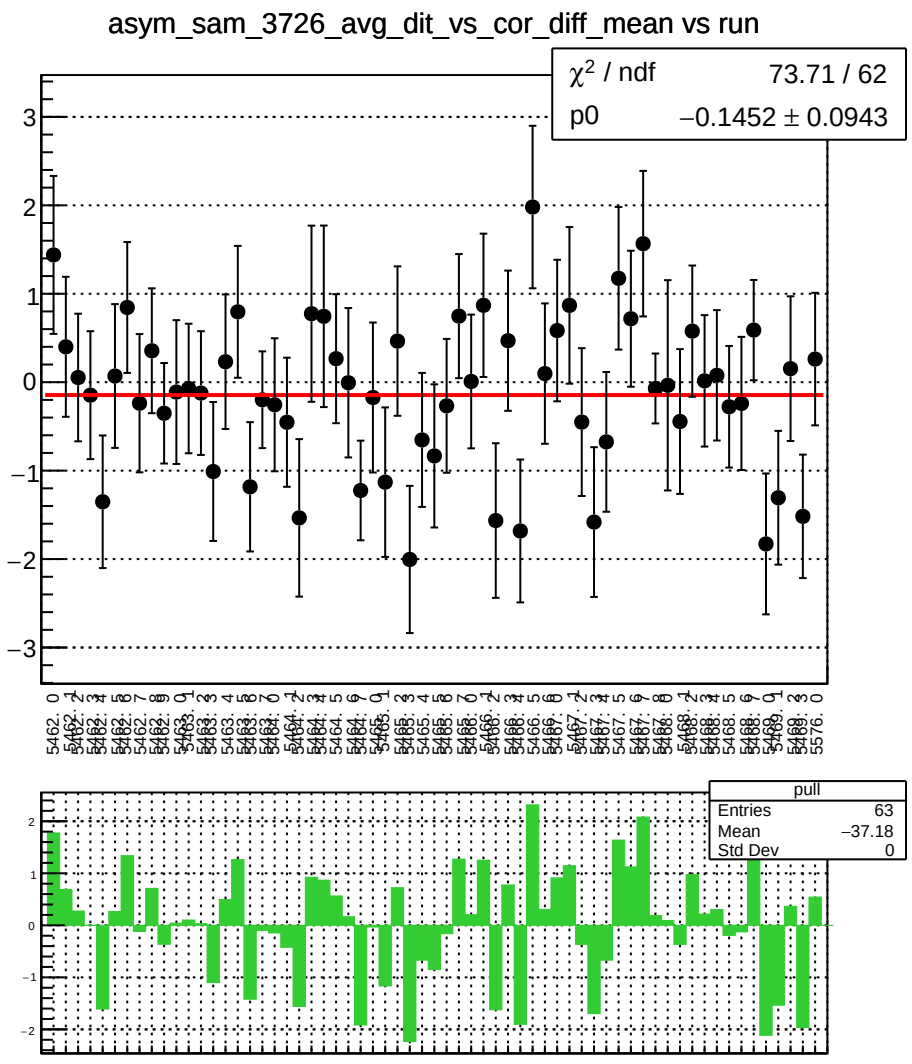

asym_sam_3726_avg_mean vs run
χ² / ndf 65.31 / 62
p0 −626.4 ± 2095
pull
Entries 63
Mean 59.7
Std Dev 0

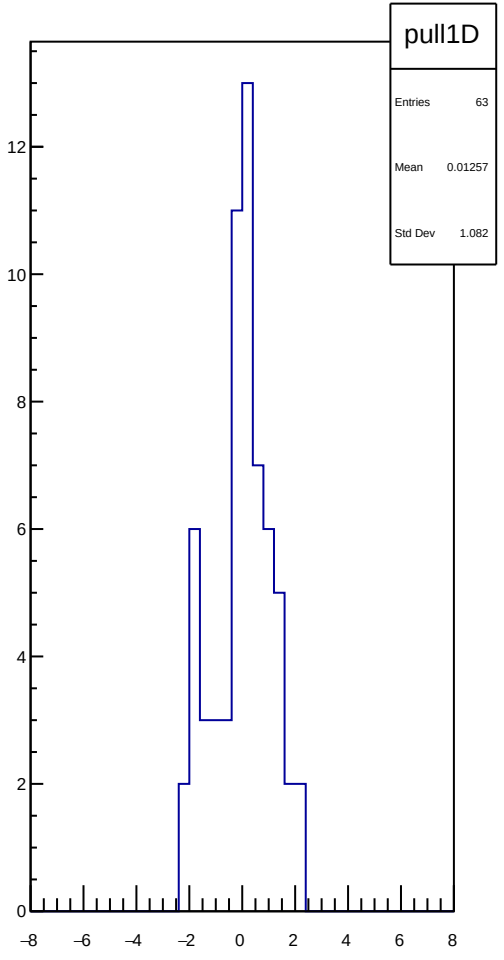

pull1D
Entries 63
Mean −0.01041
Std Dev 1.018

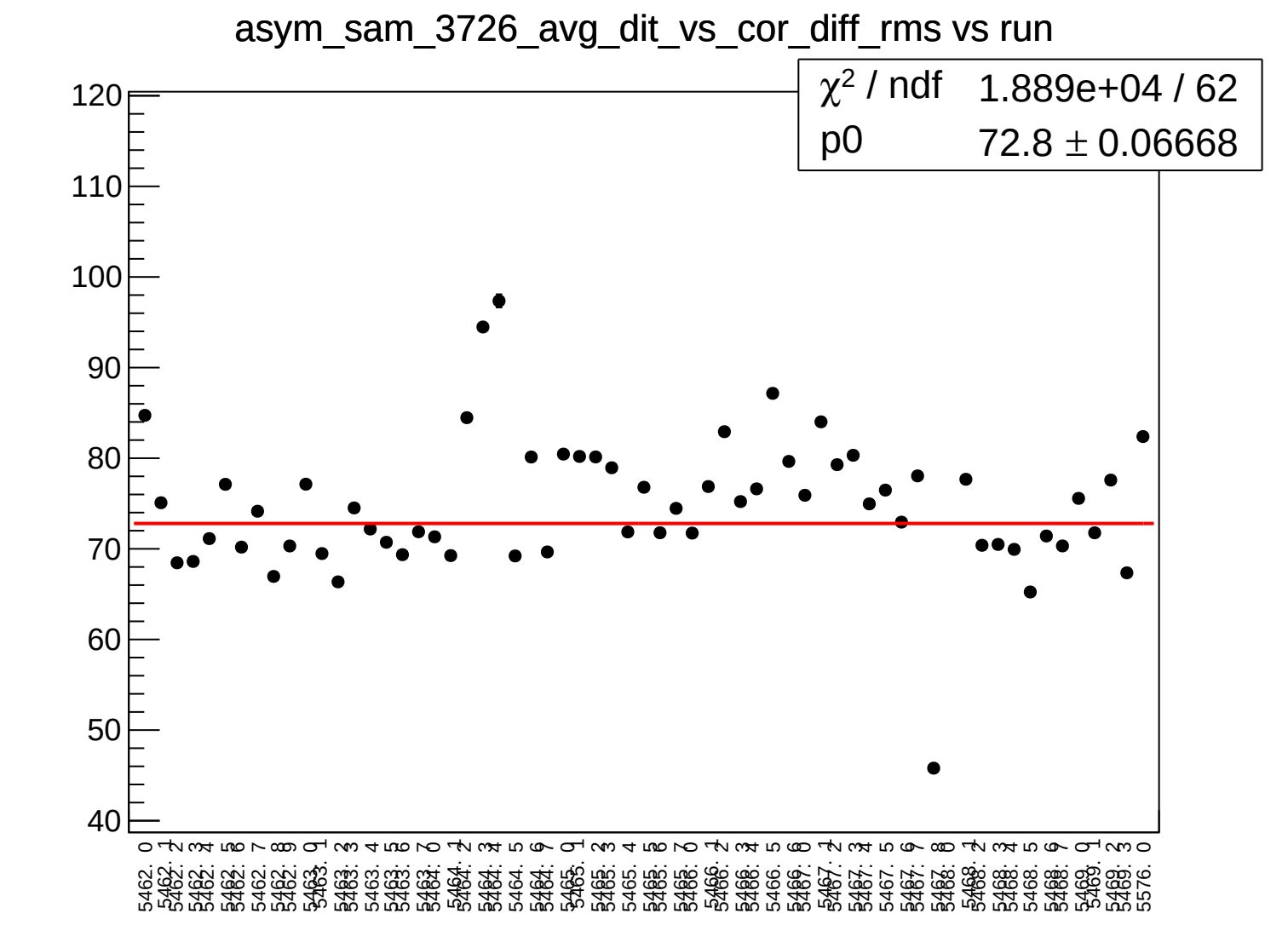

asym_sam_3726_avg_rms vs run
χ² / ndf 876.7 / 62
p0 1629 ± 1.481
1750
1700
1650
1600
1550
1500

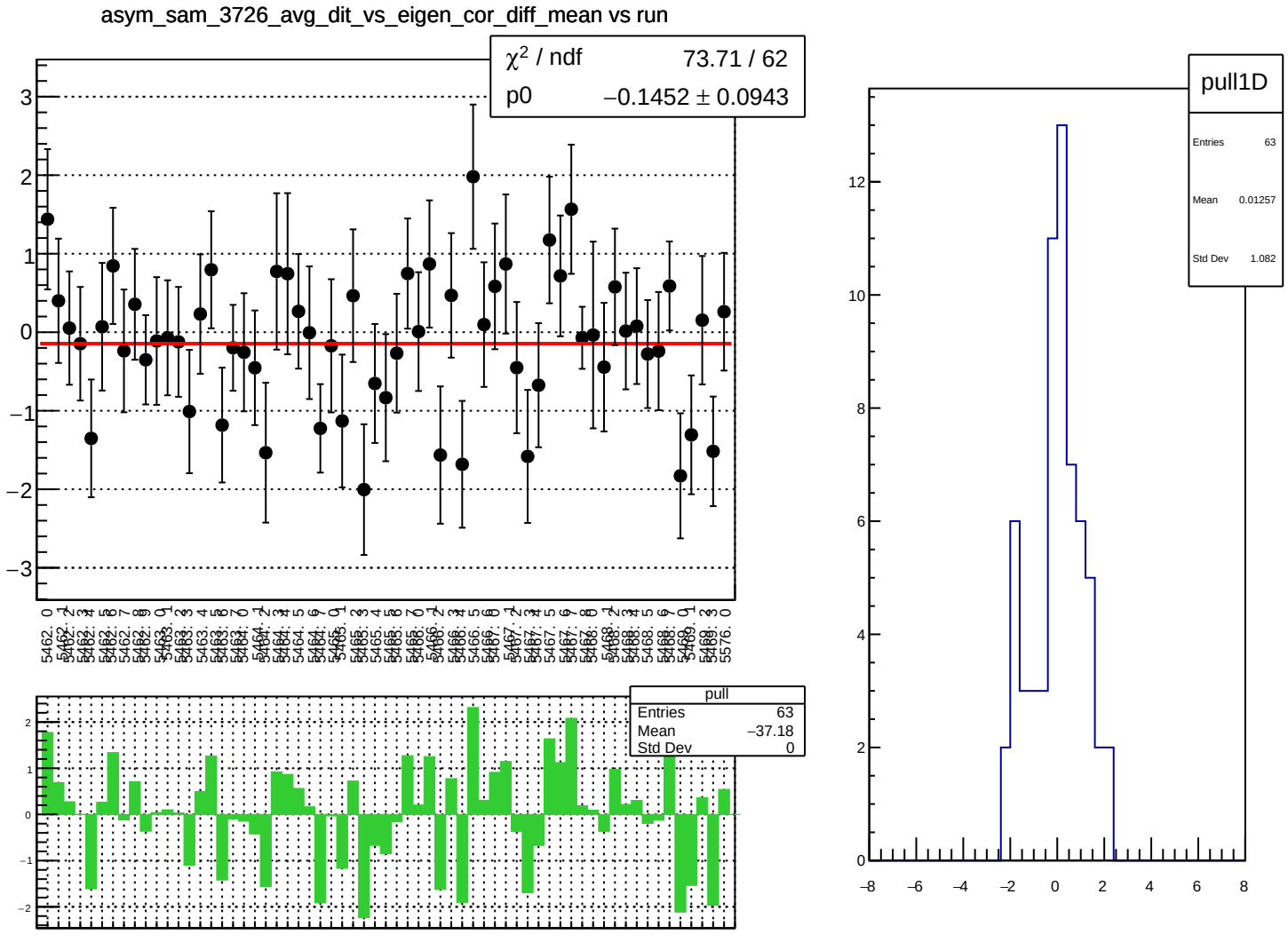

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.47 / 62
p0 −2.658e−14 ± 1.678e−13
pull
Entries 63
Mean 68.65
Std Dev 0
pull1D
Entries 63
Mean −0.04565
Std Dev 0.8939

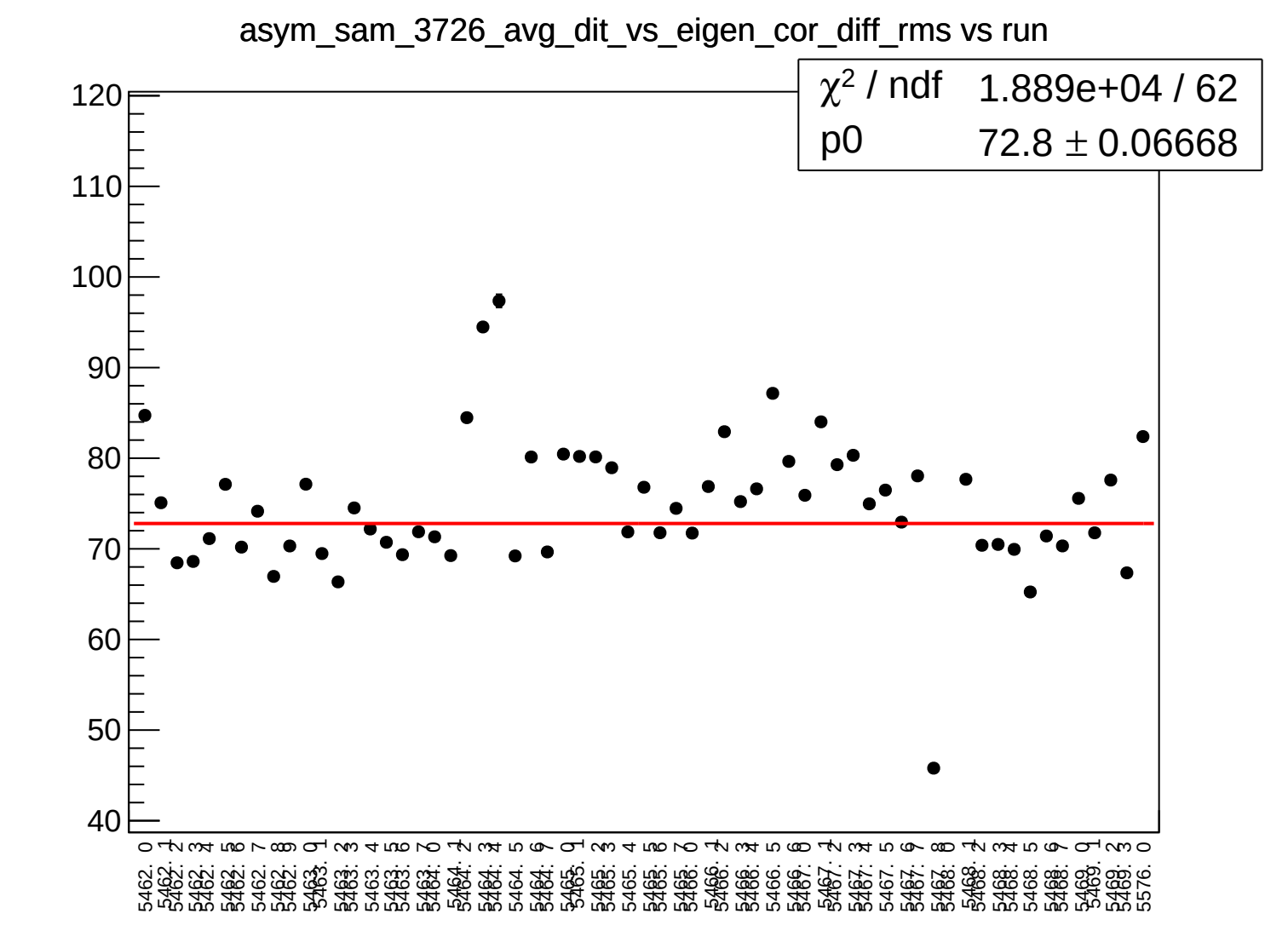

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.387e+05 / 62
p0 1.043e−10 ± 1.187e−13
0
1
2
3
4
5

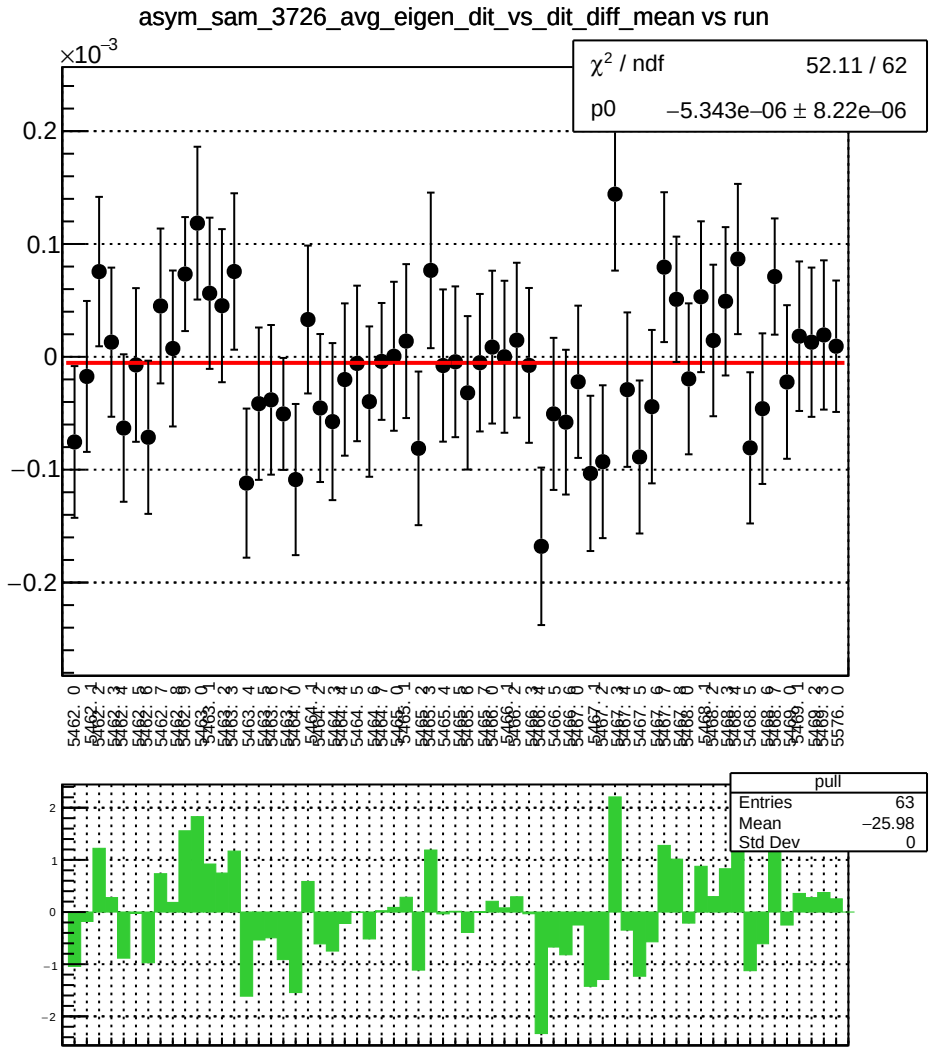

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.71 / 62
p0 −0.1452 ± 0.0943
pull
Entries 63
Mean −37.18
Std Dev 0

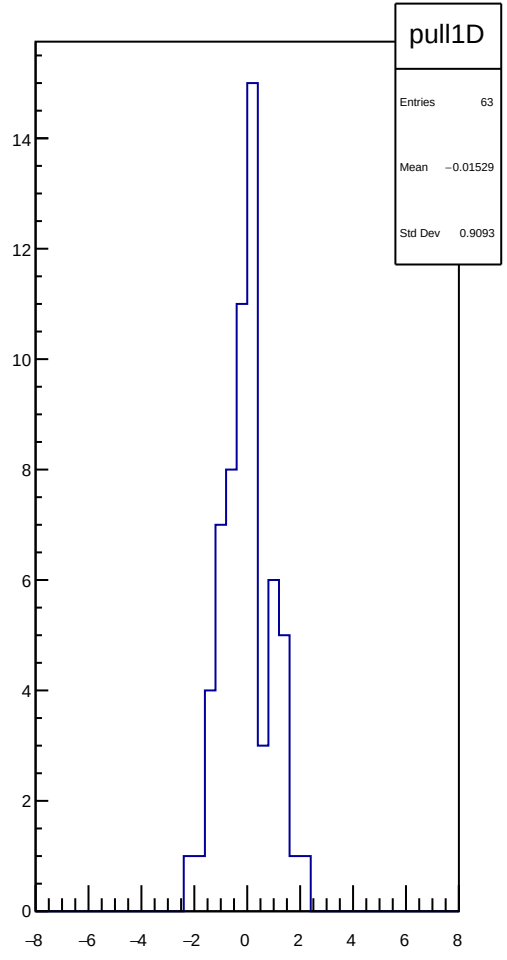

pull1D
Entries 63
Mean 0.01257
Std Dev 1.082

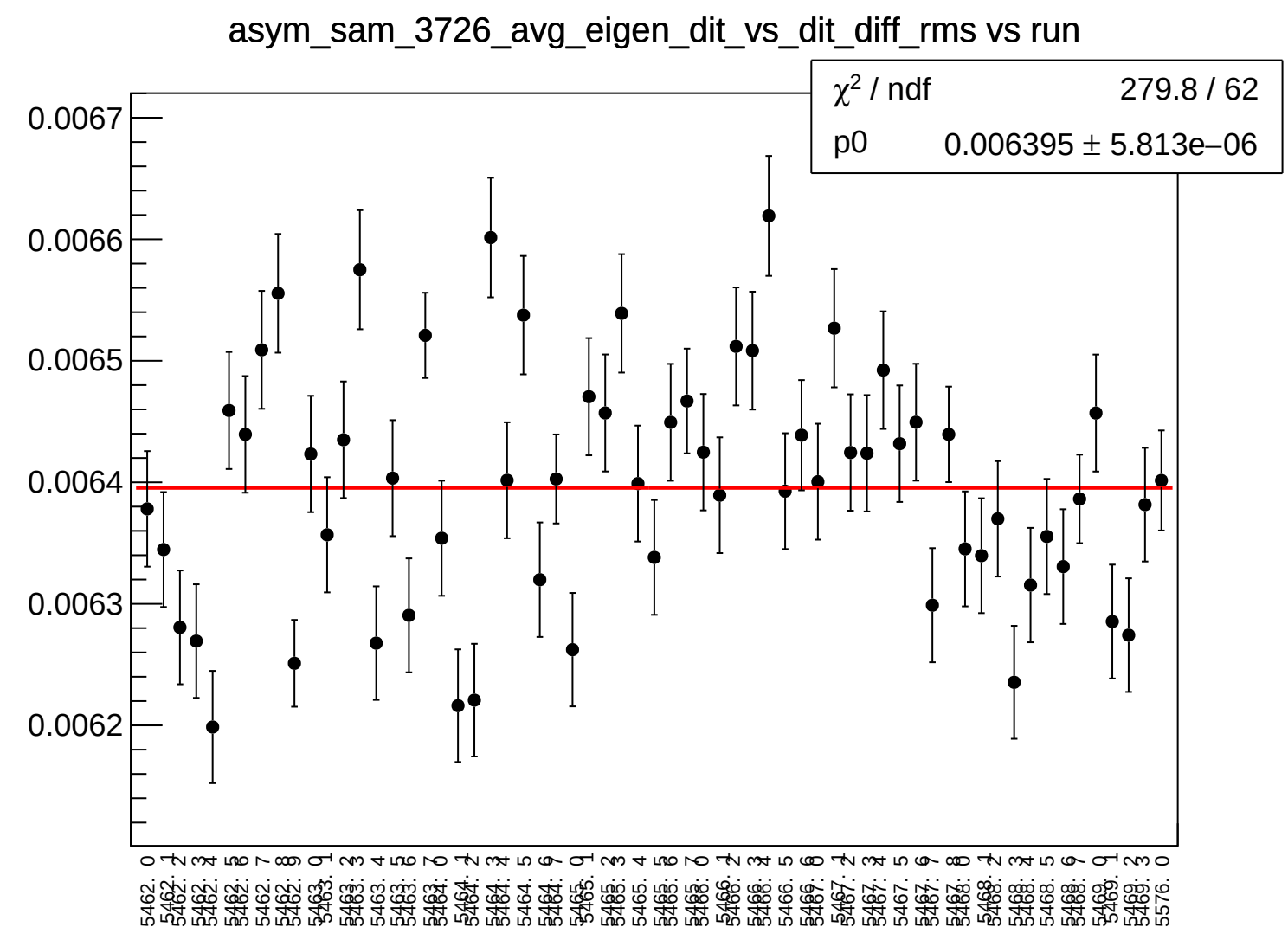

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 62
p0 72.8 ± 0.06668
120
110
100
90
80
70
60
50
40

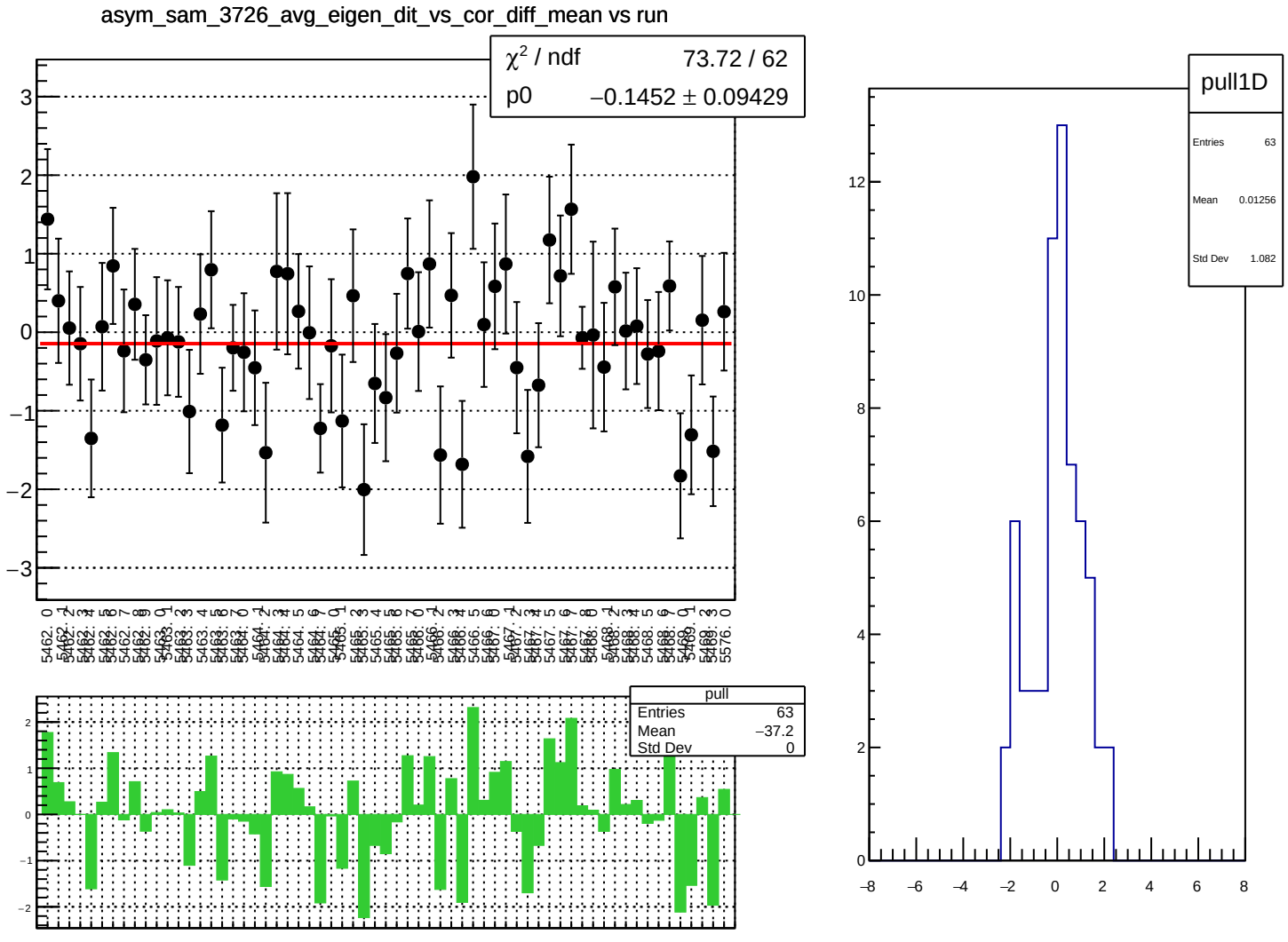

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.71 / 62
p0 −0.1452 ± 0.0943
pull
Entries 63
Mean −37.18
Std Dev 0
pull1D
Entries 63
Mean 0.01257
Std Dev 1.082

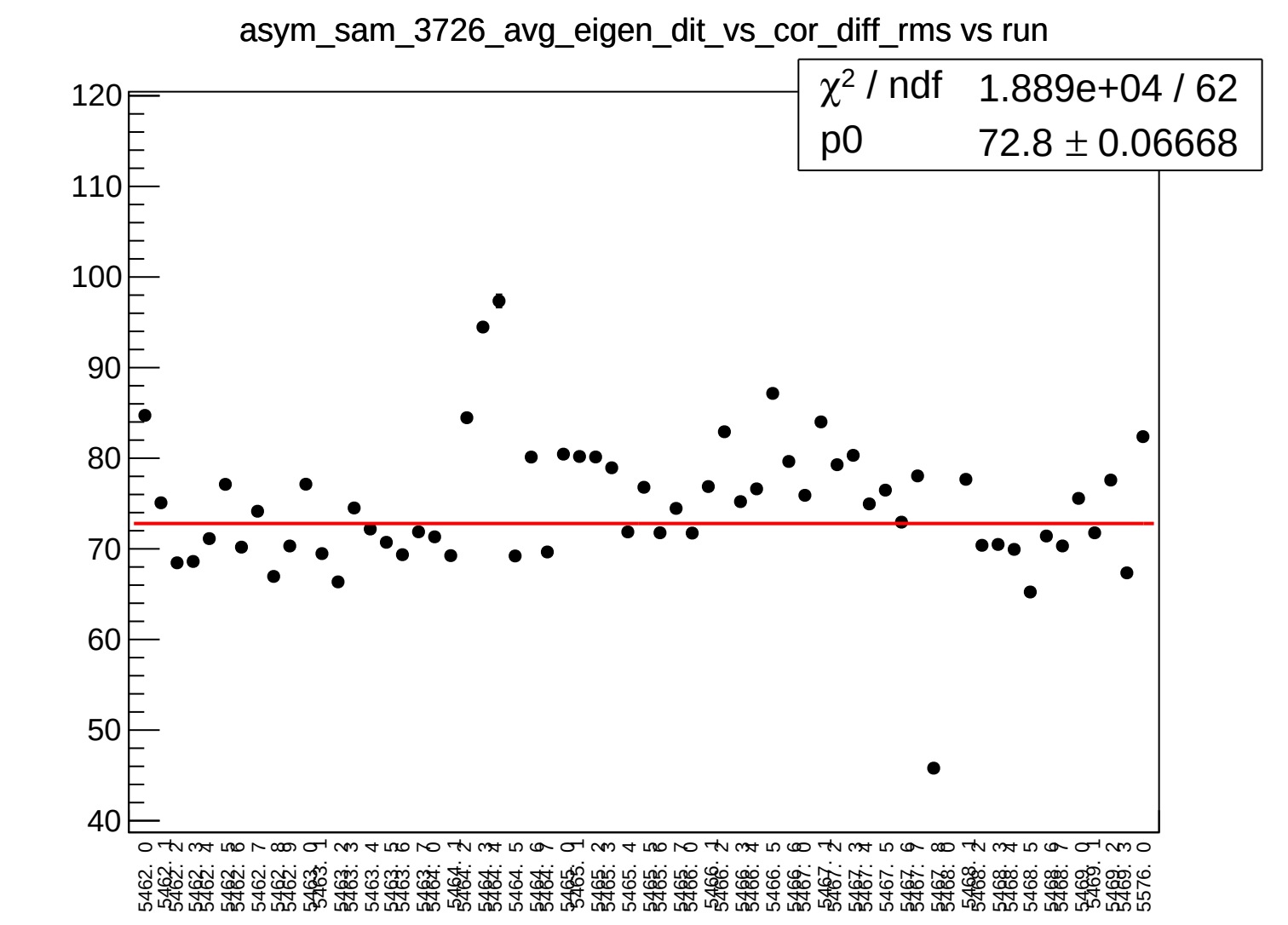

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 62
p0 72.8 ± 0.06668
120
110
100
90
80
70
60
50
40

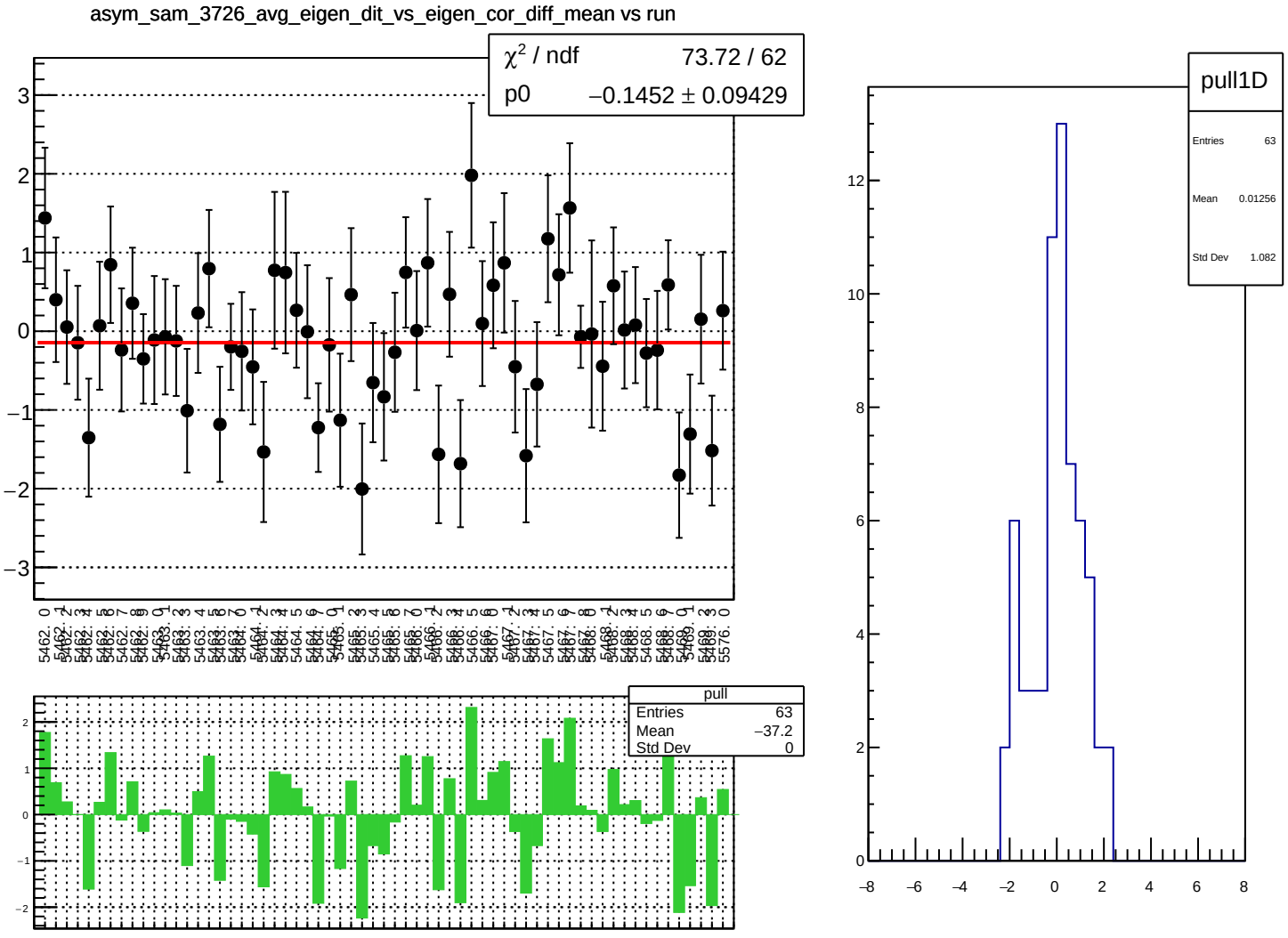

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.11 / 62
p0 −5.343e−06 ± 8.22e−06
pull
Entries 63
Mean −25.98
Std Dev 0

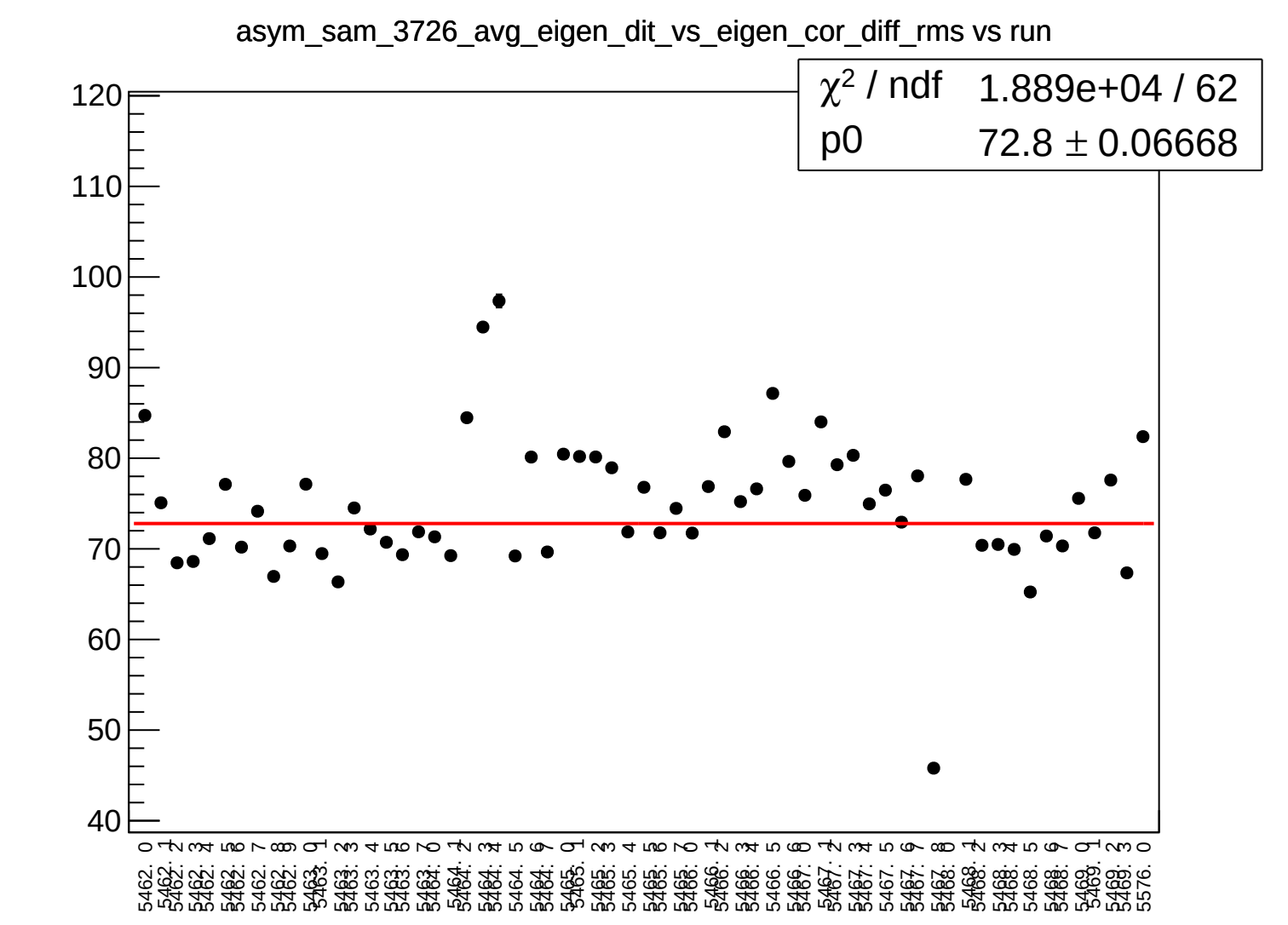

pull1D
Entries 63
Mean −0.01529
Std Dev 0.9093

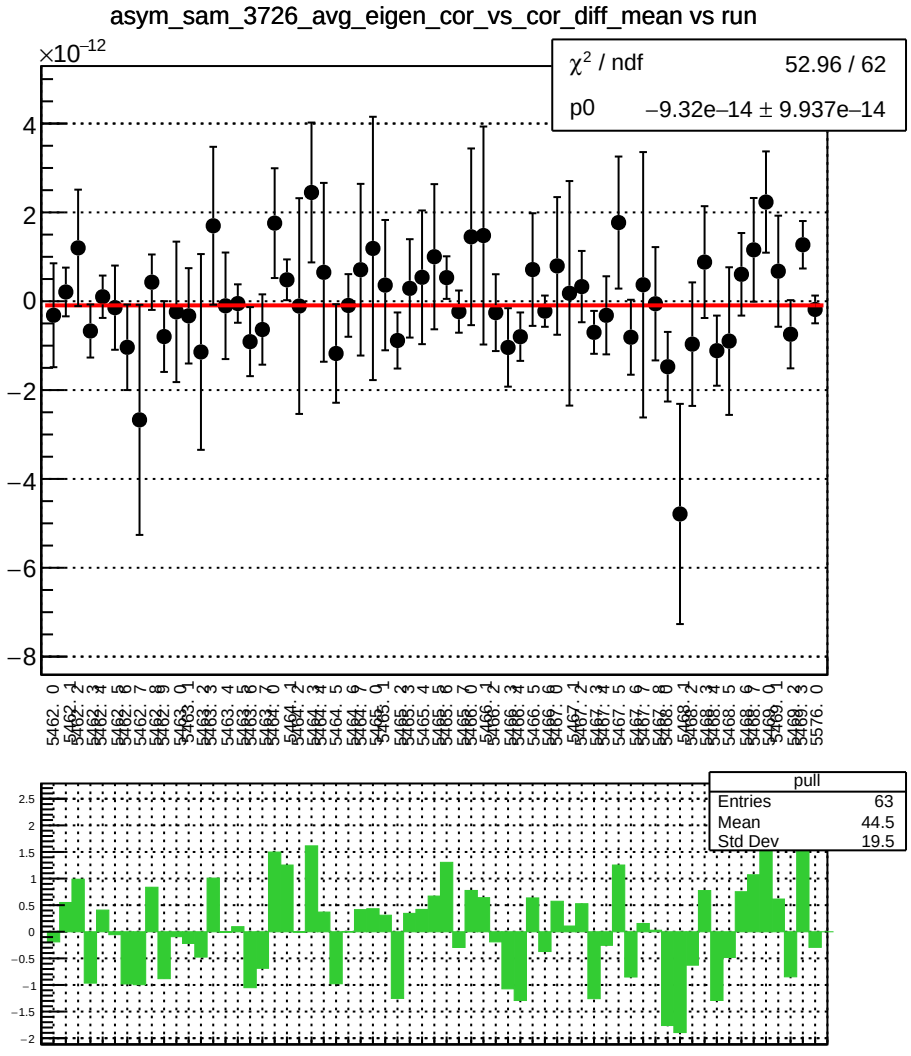

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 279.8 / 62
p0 0.006395 ± 5.813e−06
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062

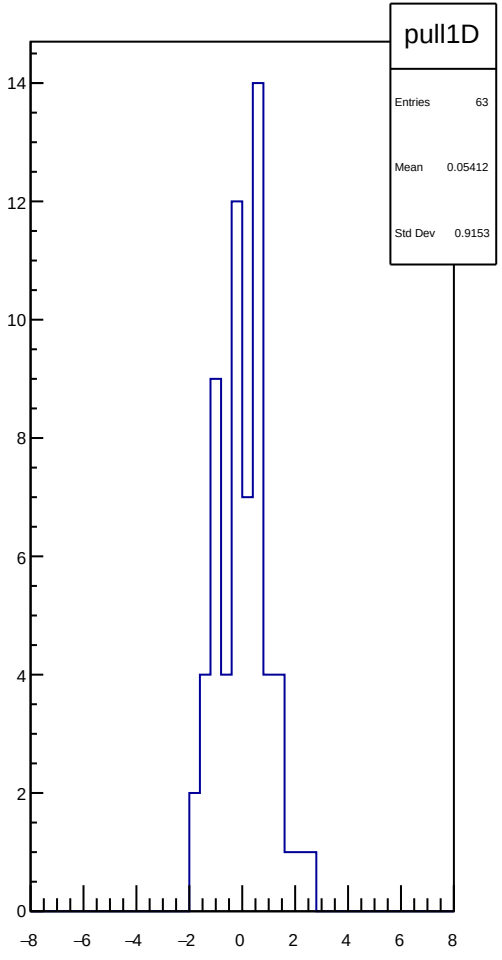

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.72 / 62
p0 −0.1452 ± 0.09429
pull
Entries 63
Mean −37.2
Std Dev 0
pull1D
Entries 63
Mean 0.01256
Std Dev 1.082

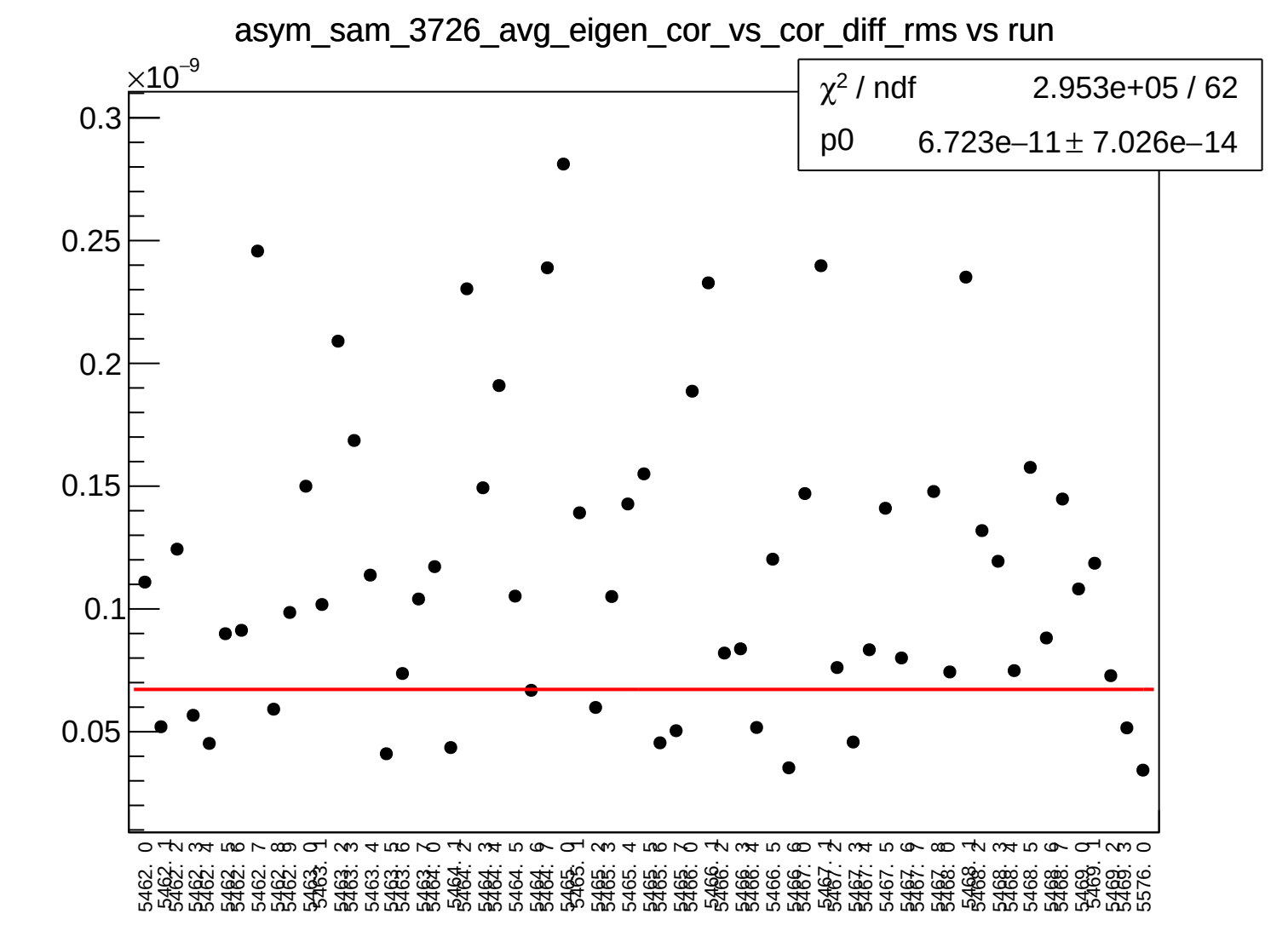

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 62
p0 72.8 ± 0.06668
120
110
100
90
80
70
60
50
40

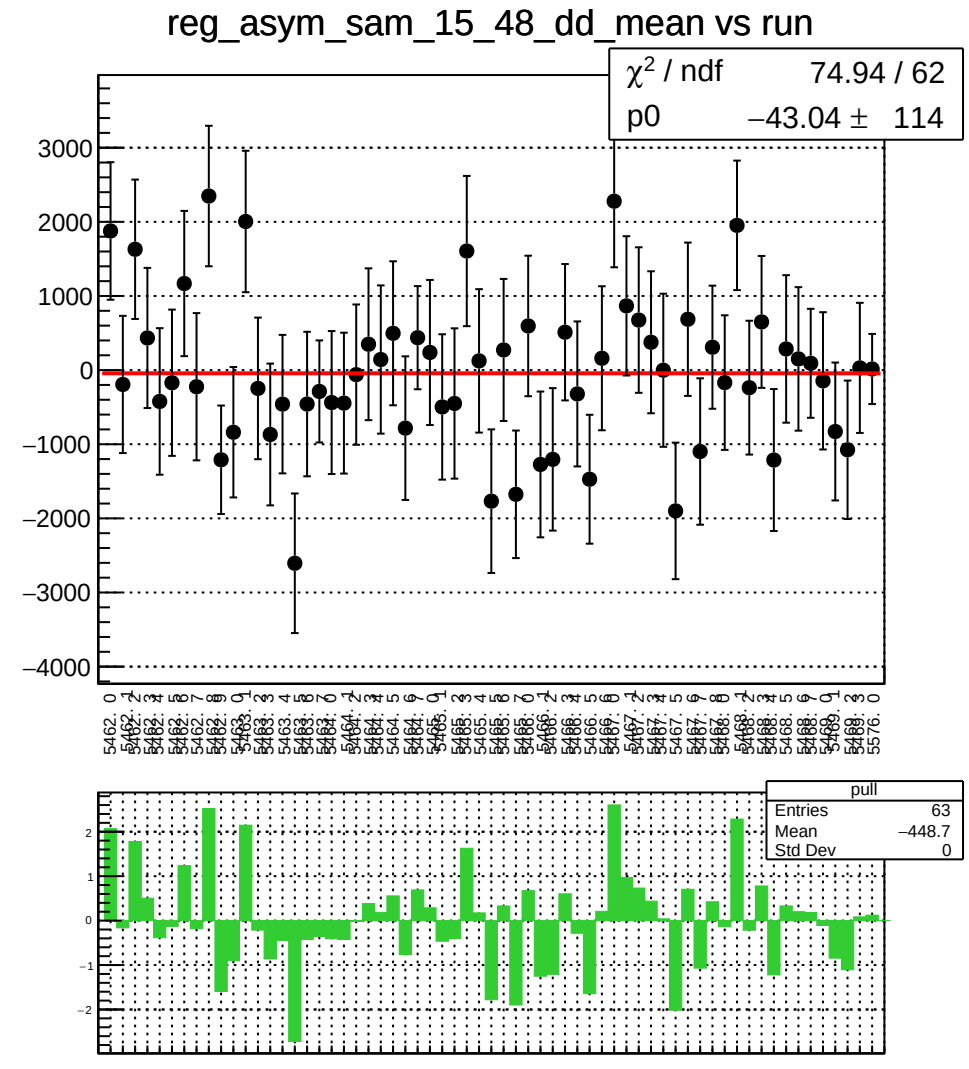

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.72 / 62
p0 −0.1452 ± 0.09429
pull
Entries 63
Mean −37.2
Std Dev 0
pull1D
Entries 63
Mean 0.01256
Std Dev 1.082

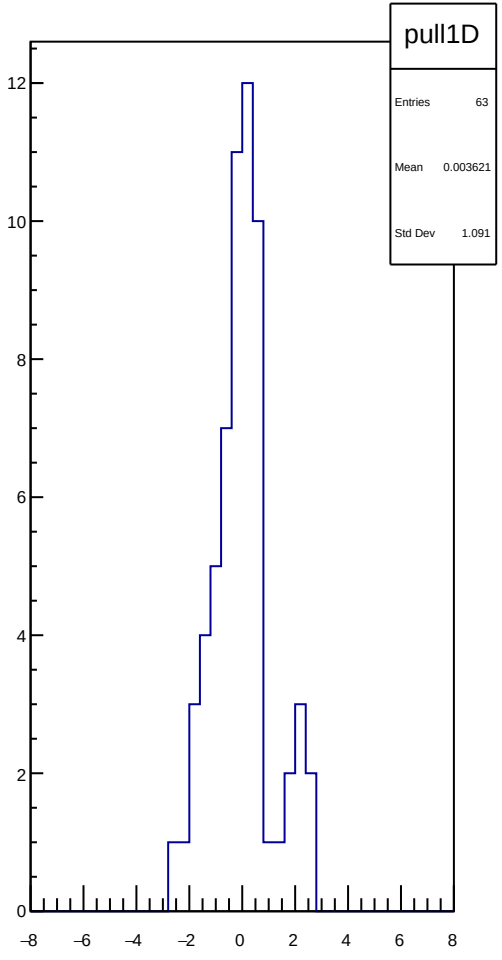

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 62
p0 72.8 ± 0.06668
120
110
100
90
80
70
60
50
40

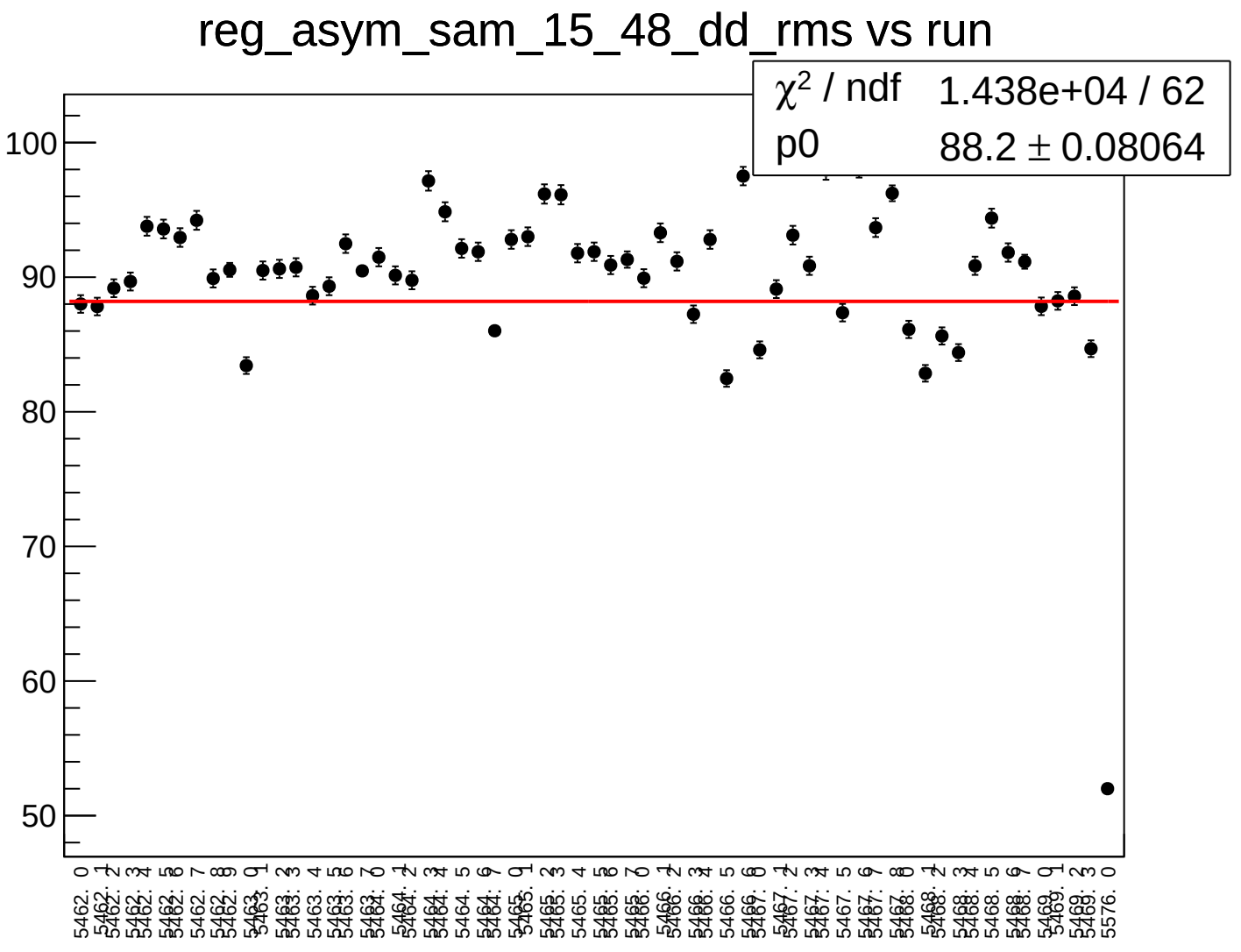

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.96 / 62
p0 −9.32e−14 ± 9.937e−14
pull
Entries 63
Mean 44.5
Std Dev 19.5

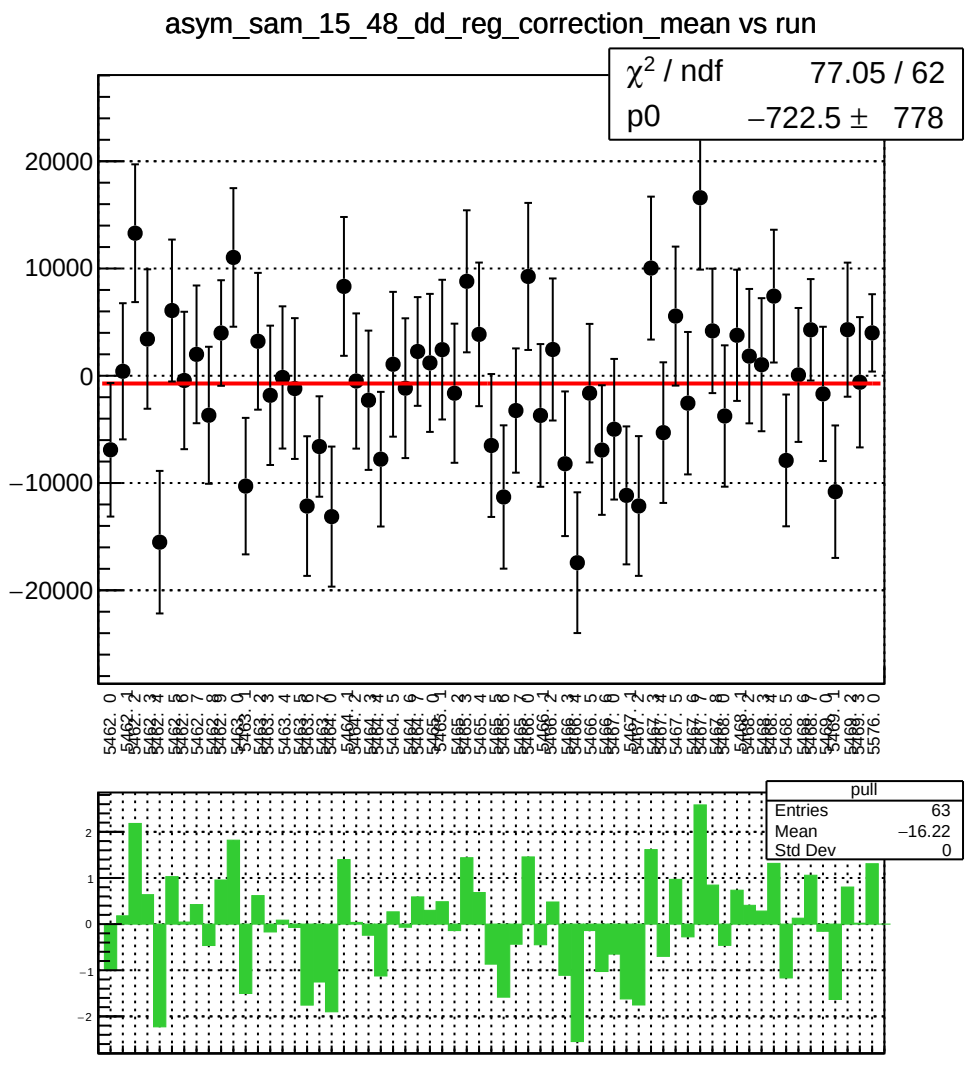

pull1D
Entries 63
Mean 0.05412
Std Dev 0.9153

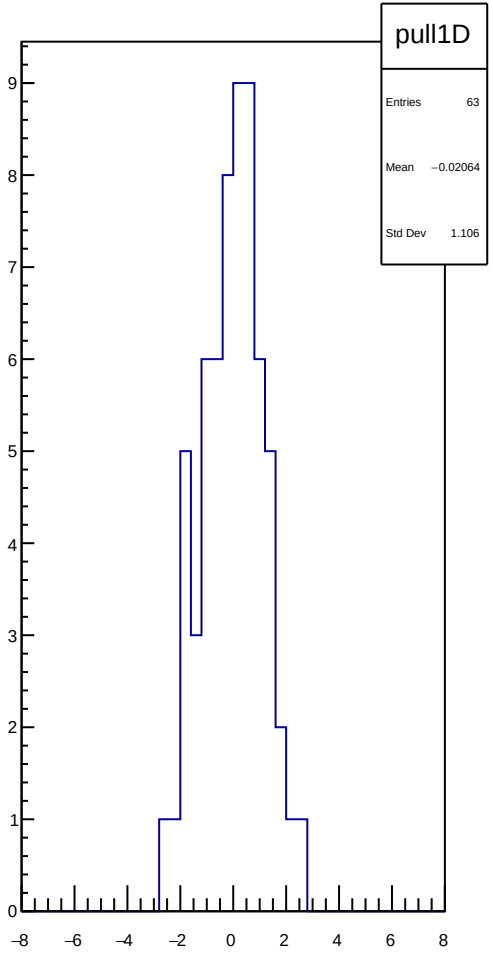

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.953e+05 / 62
p0 6.723e−11 ± 7.026e−14
0.3
0.25
0.2
0.15
0.1
0.05

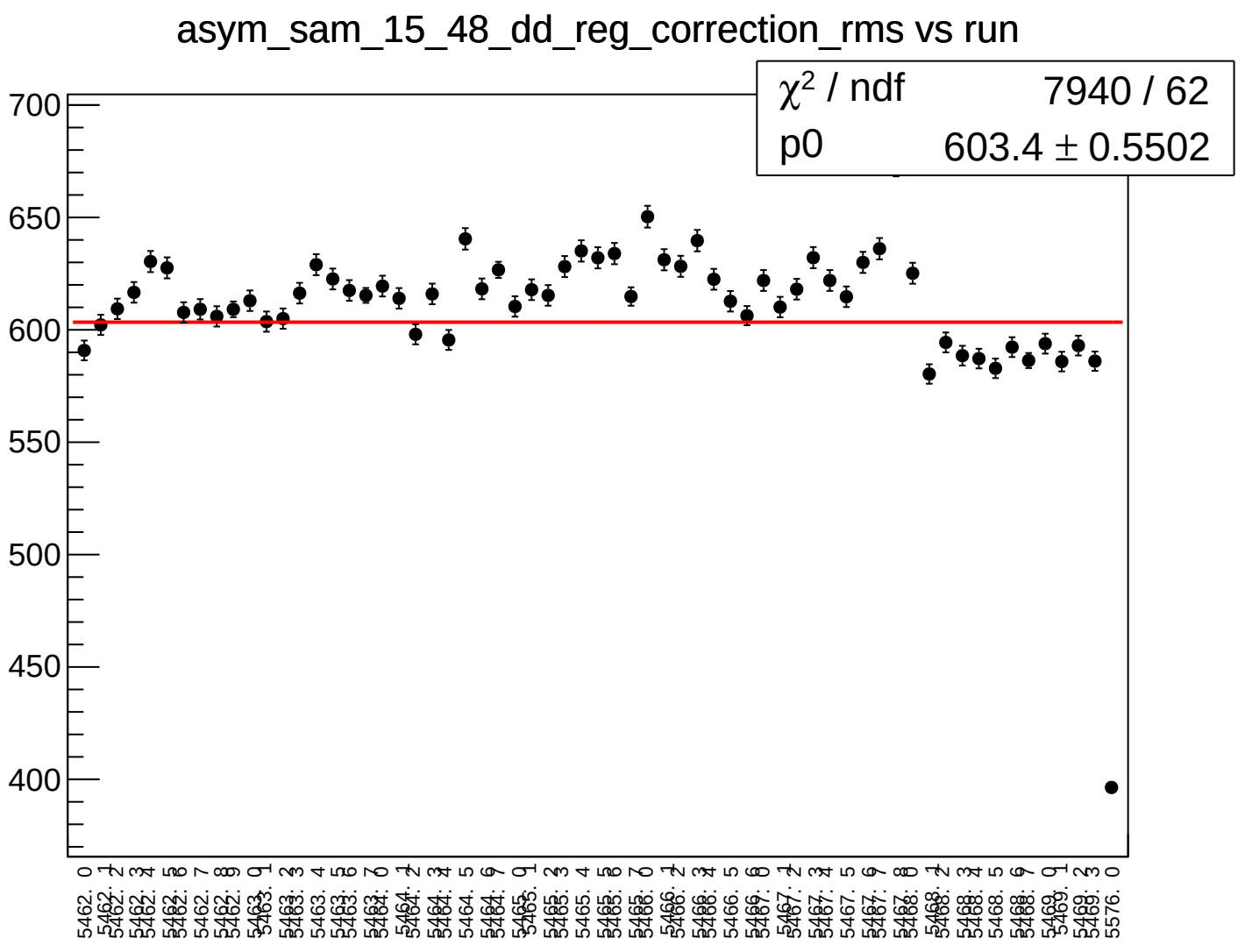

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 74.94 / 62
p0 −43.04 ± 114
pull
Entries 63
Mean −448.7
Std Dev 0

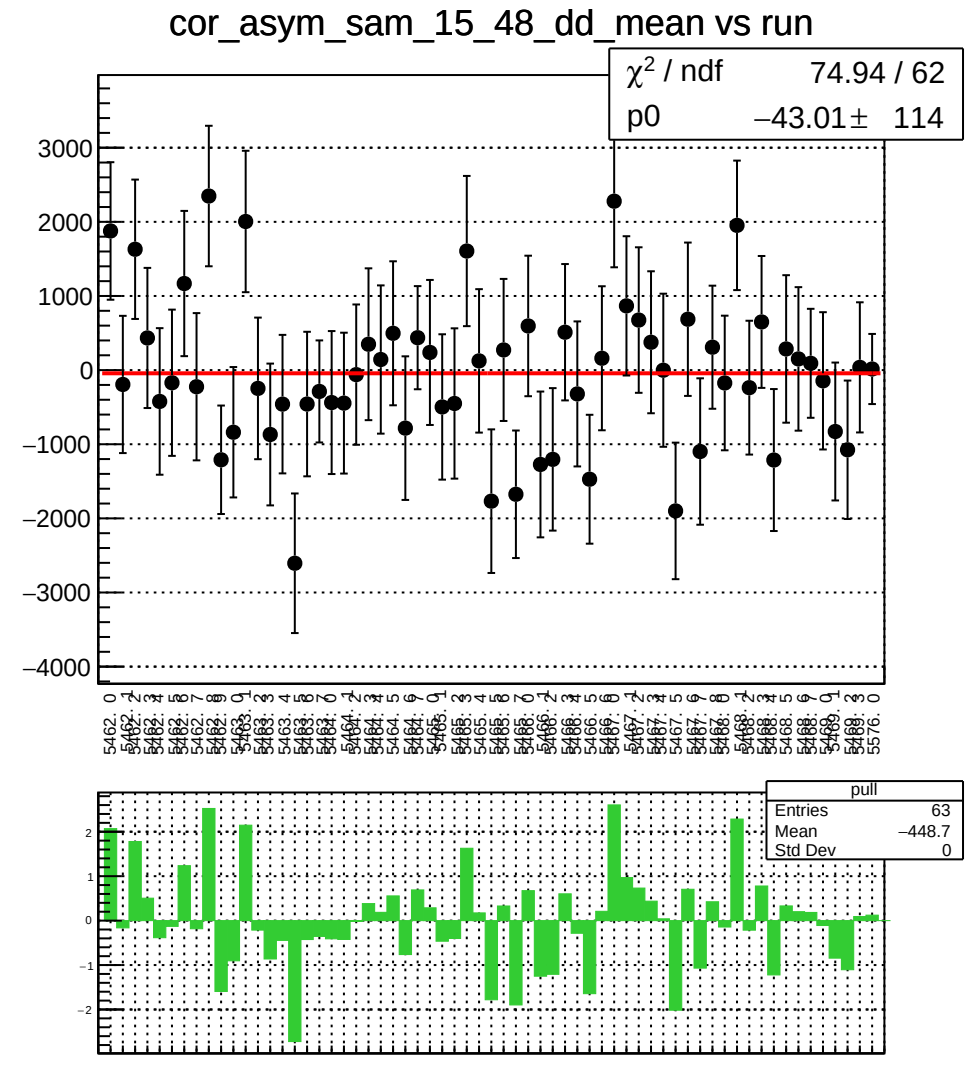

pull1D
Entries 63
Mean 0.003621
Std Dev 1.091

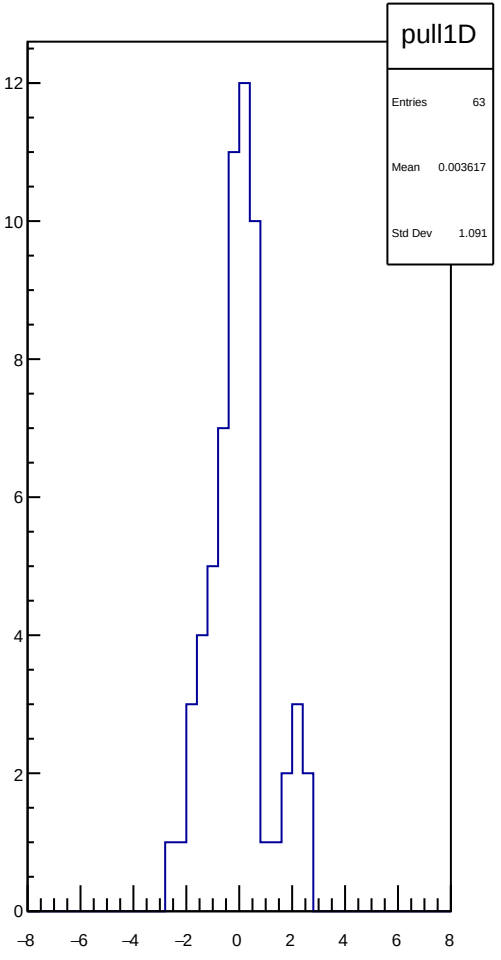

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.438e+04 / 62
p0 88.2 ± 0.08064
100
90
80
70
60
50

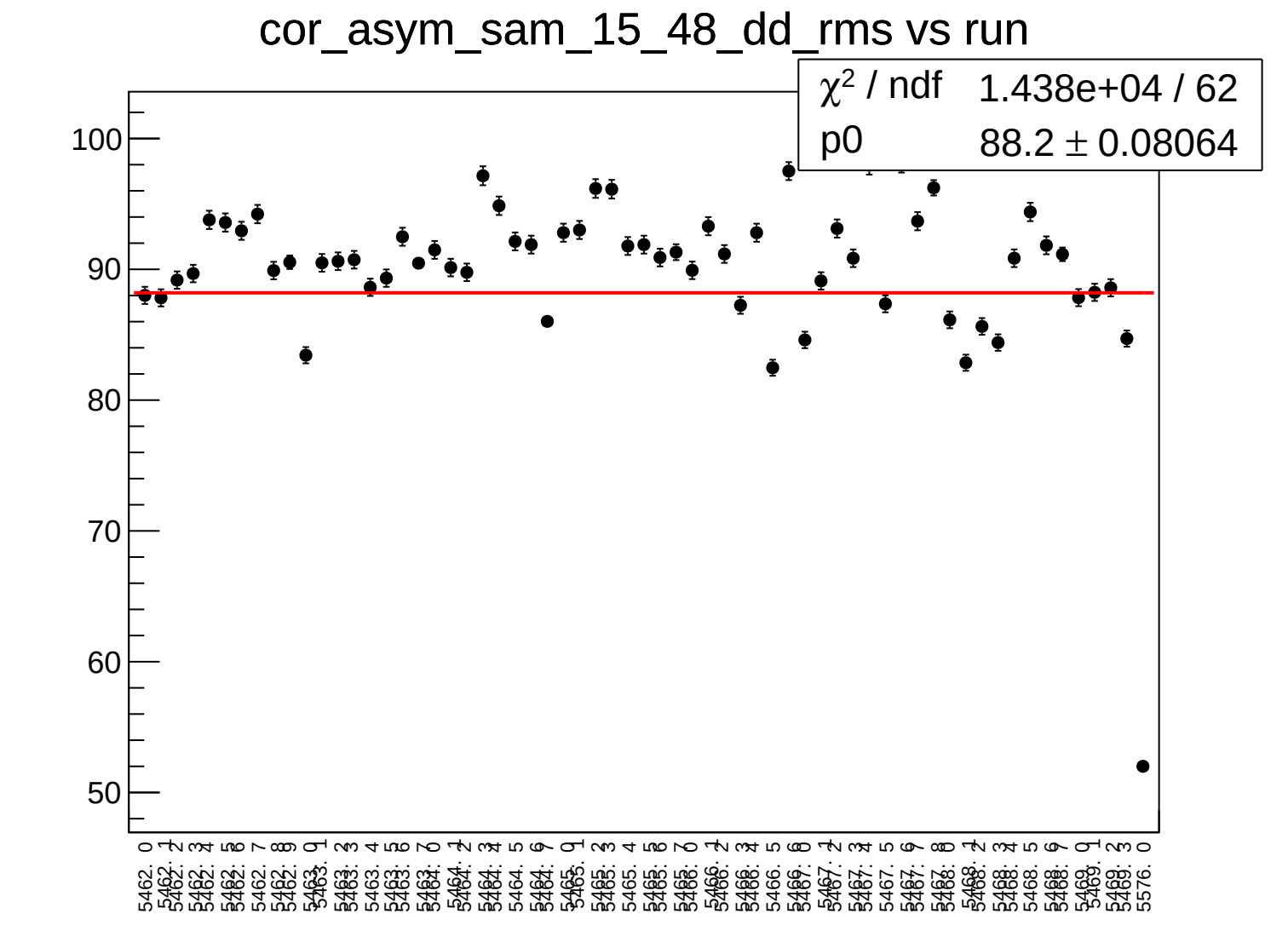

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 77.05 / 62
p0 −722.5 ± 778
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −16.22
Std Dev 0
2
1
0
−1
−2

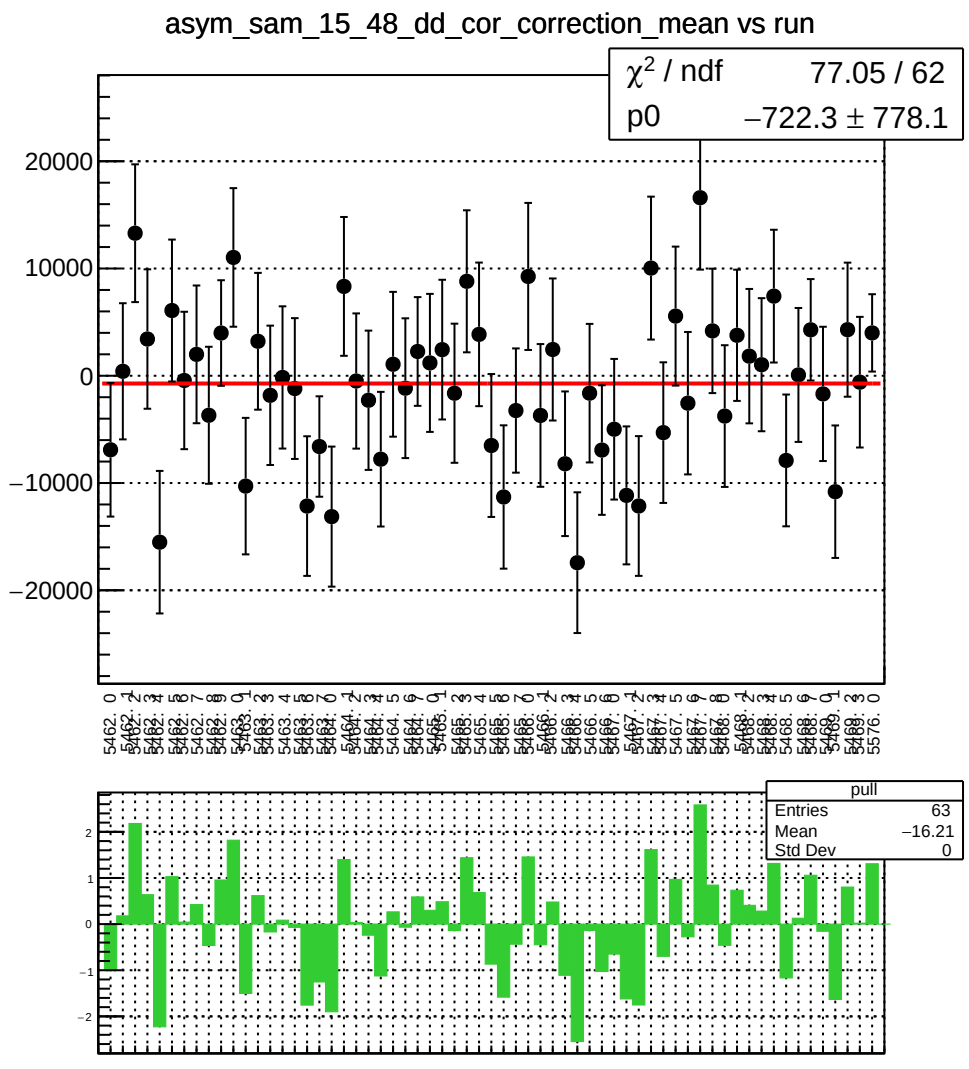

pull1D
Entries 63
Mean −0.02064
Std Dev 1.106
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

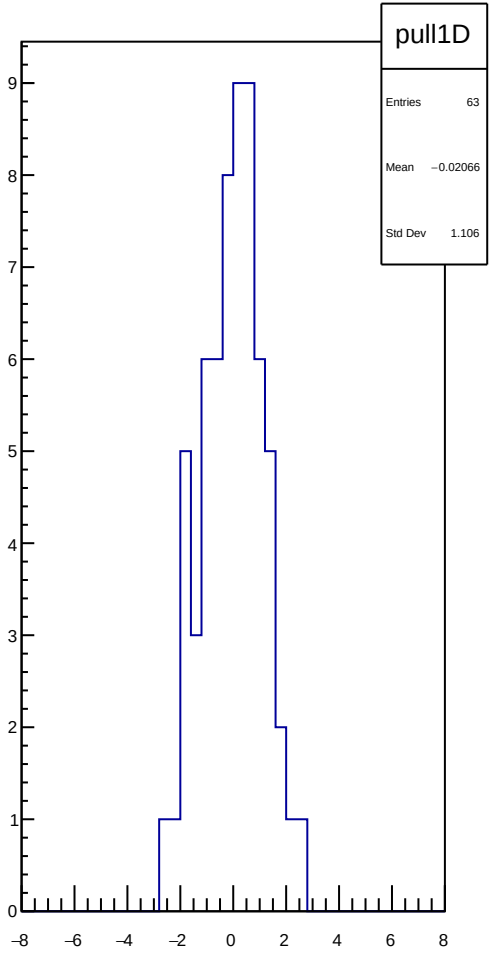

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 7940 / 62
p0 603.4 ± 0.5502
700
650
600
550
500
450
400

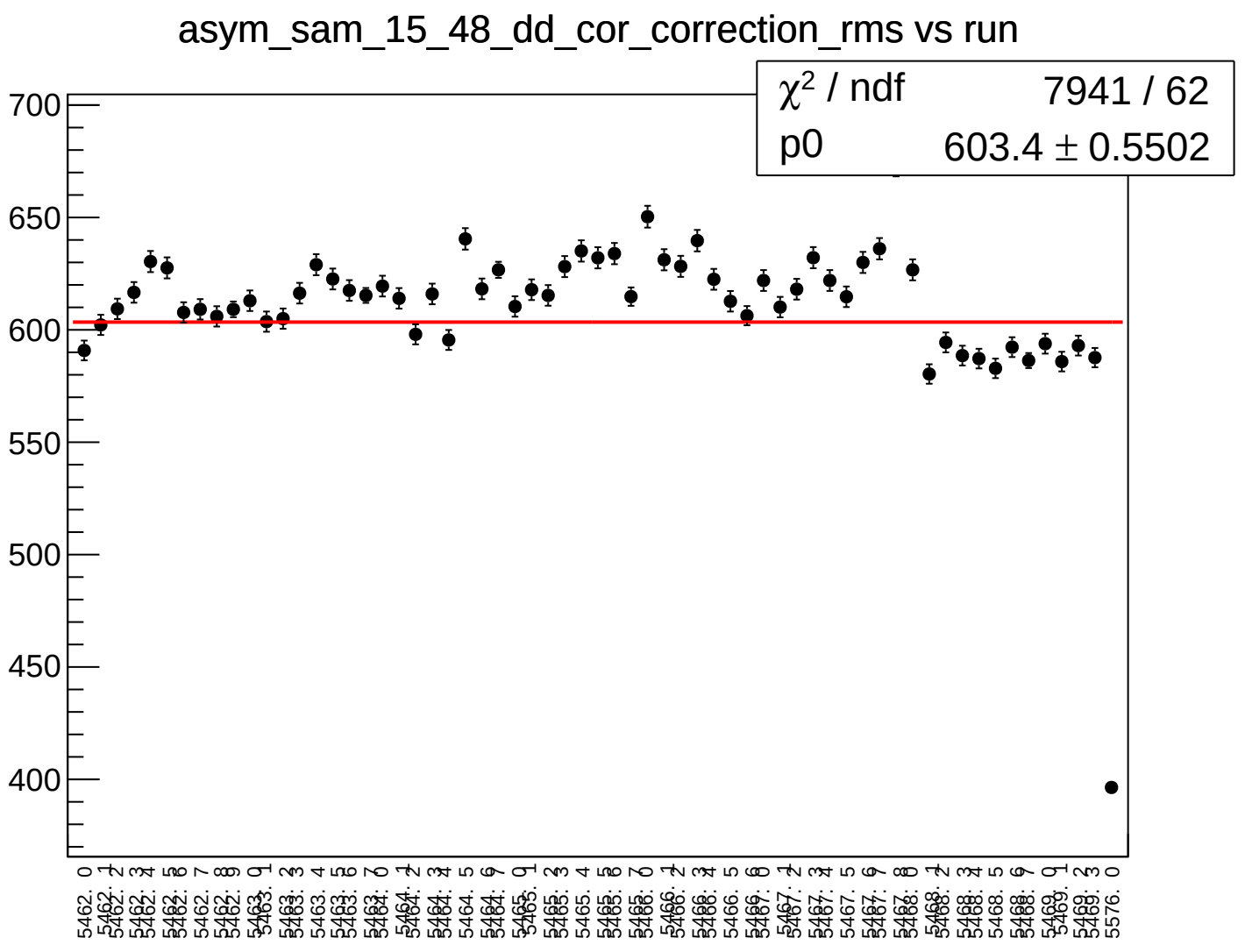

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 74.94 / 62
p0 −43.01 ± 114
pull
Entries 63
Mean −448.7
Std Dev 0

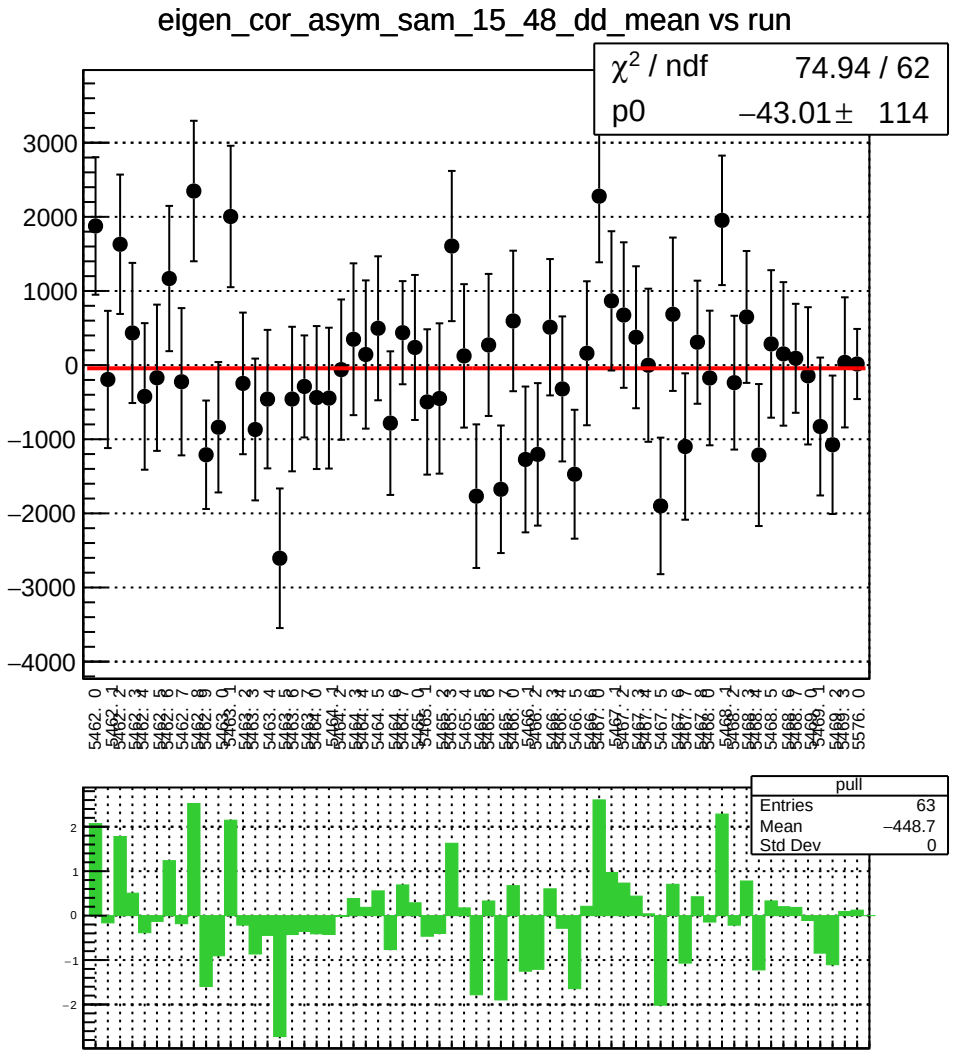

pull1D
Entries 63
Mean 0.003617
Std Dev 1.091

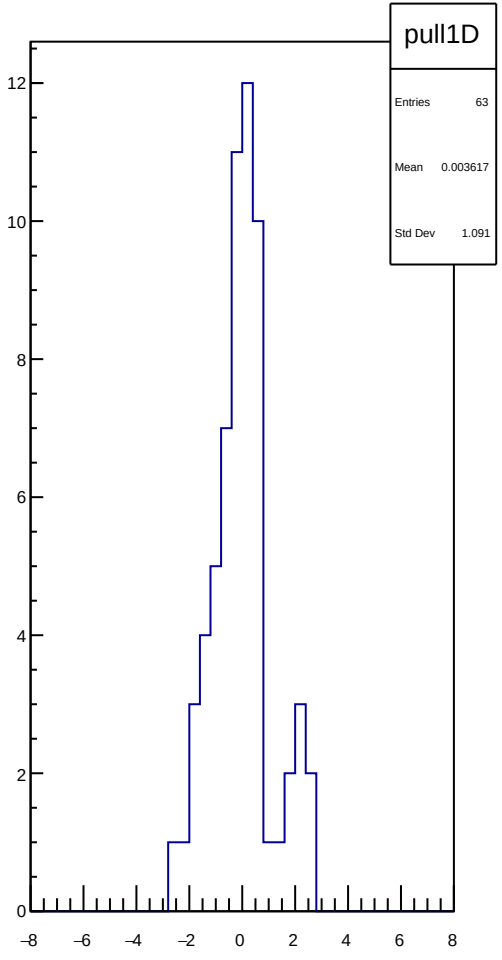

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.438e+04 / 62
p0 88.2 ± 0.08064
100
90
80
70
60
50

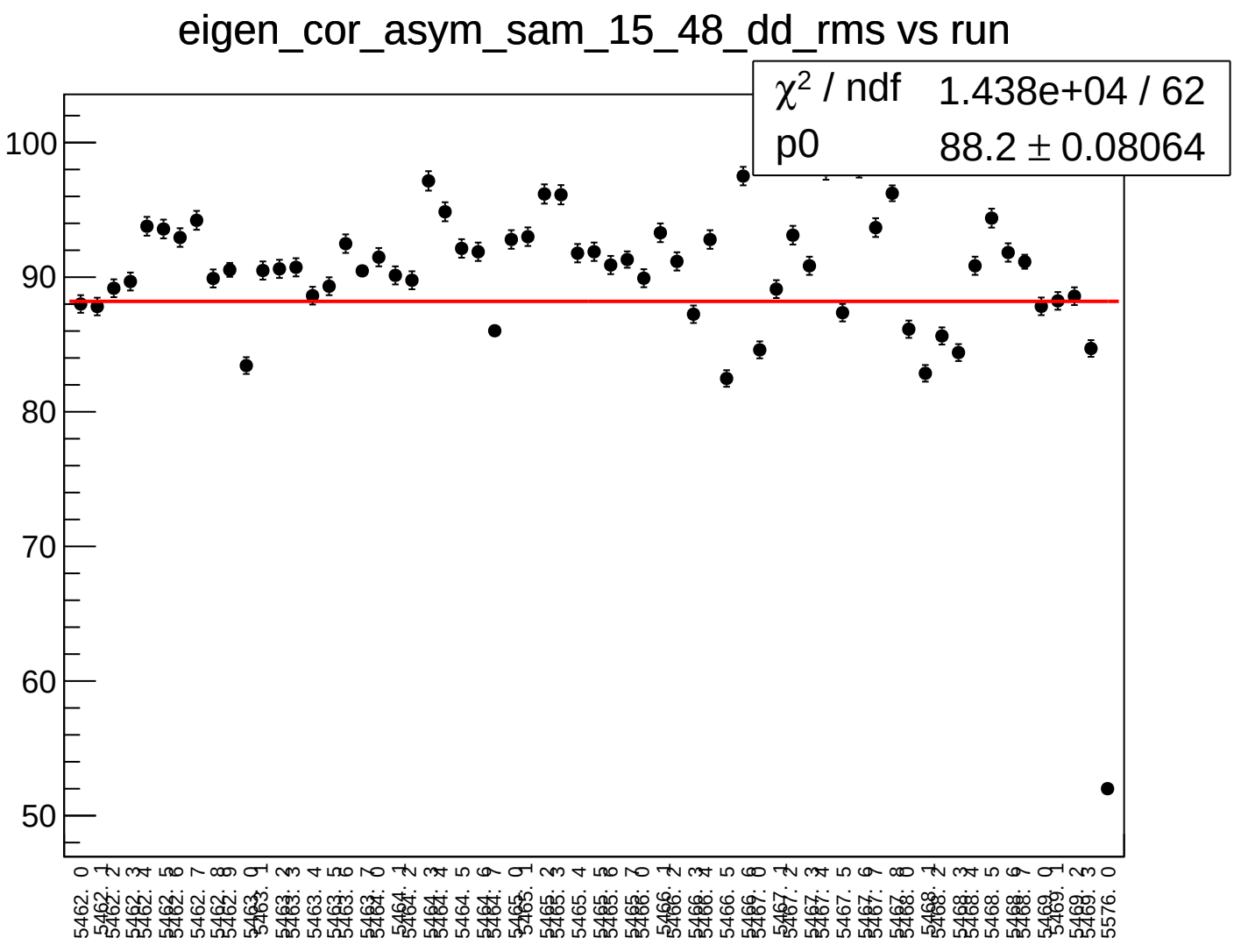

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 77.05 / 62
p0 −722.3 ± 778.1
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −16.21
Std Dev 0
2
1
0
−1
−2

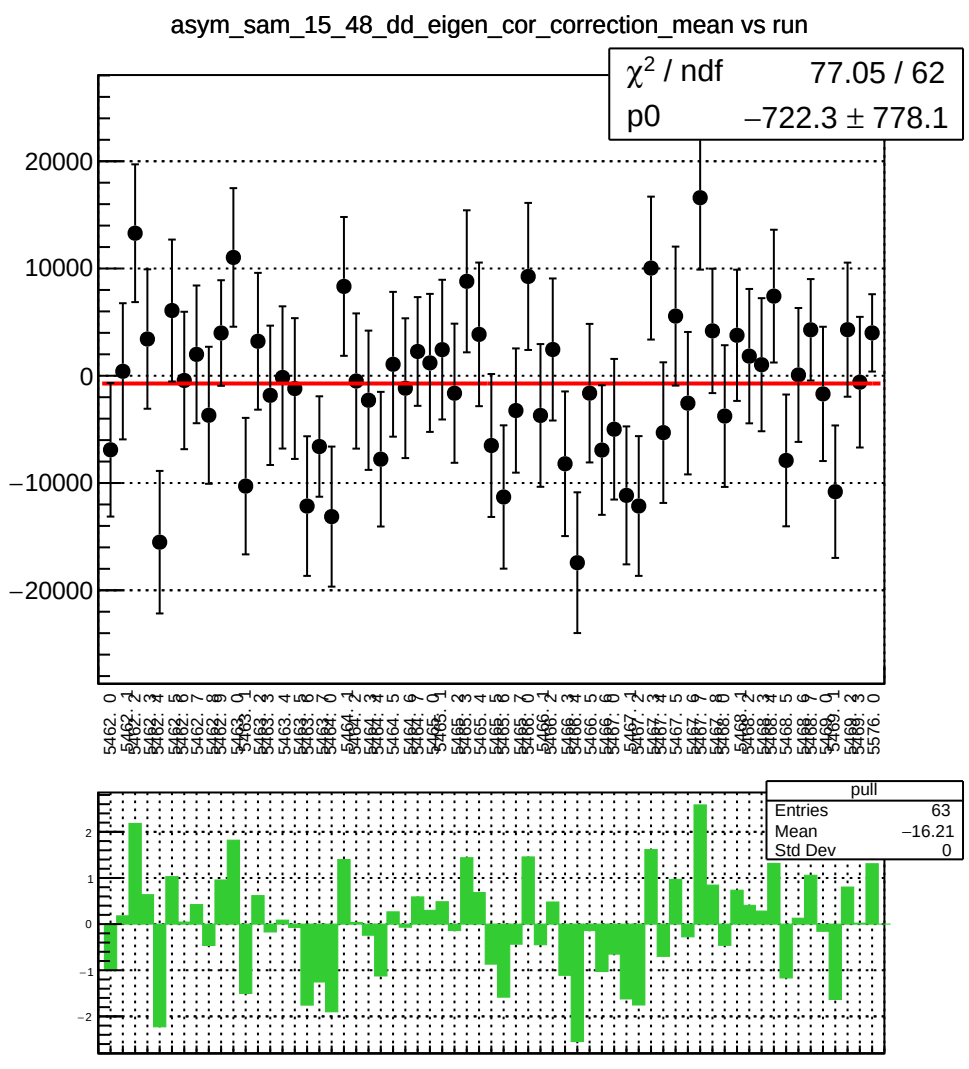

pull1D
Entries 63
Mean −0.02066
Std Dev 1.106
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

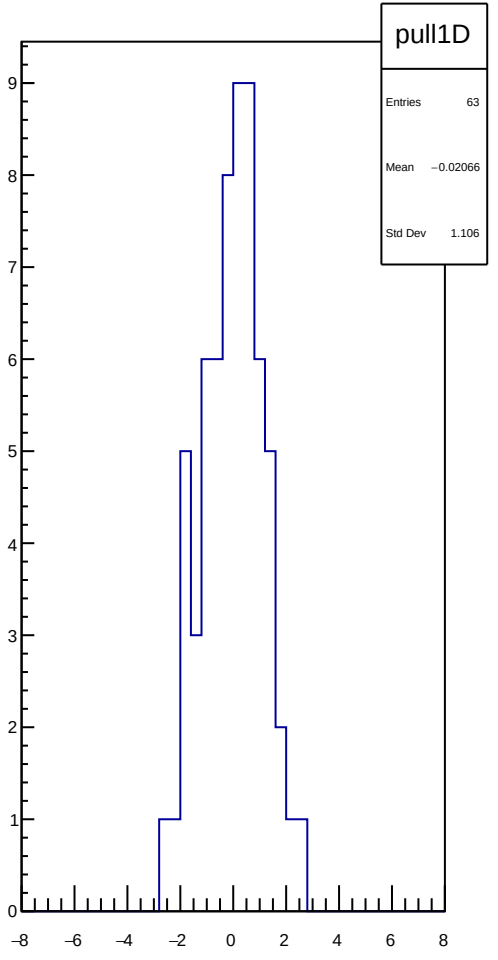

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 7941 / 62
p0 603.4 ± 0.5502
700
650
600
550
500
450
400

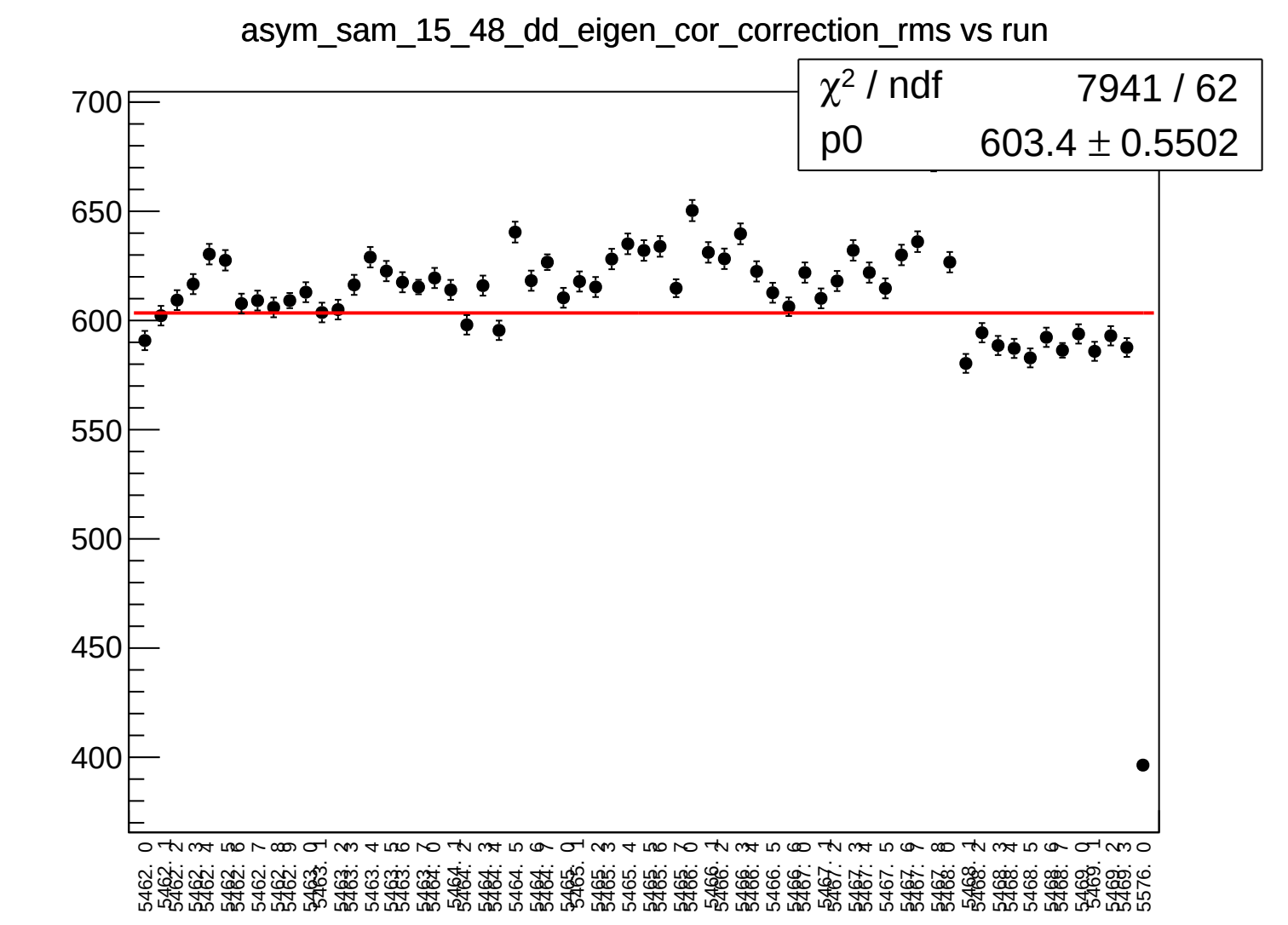

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 74.94 / 62
p0 −43.01 ± 114
pull
Entries 63
Mean −448.7
Std Dev 0

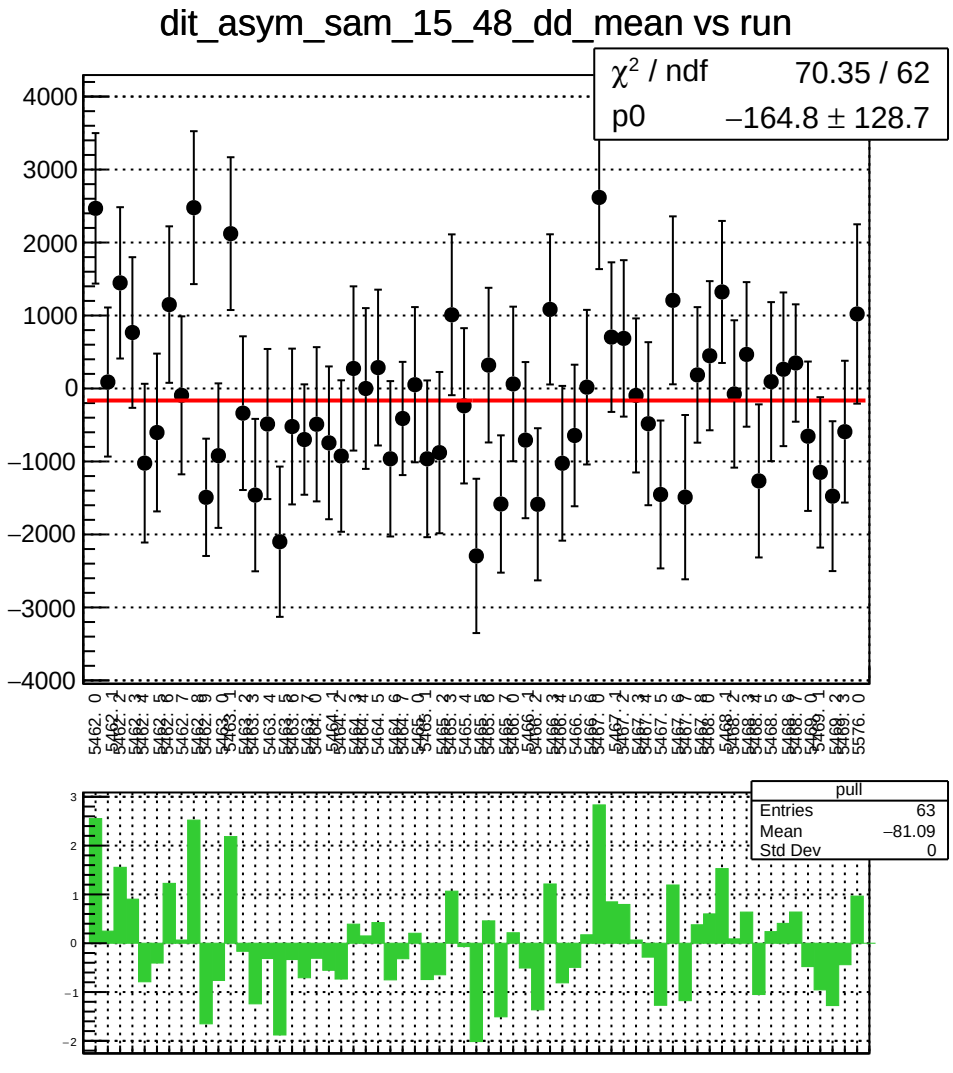

pull1D
Entries 63
Mean 0.003617
Std Dev 1.091

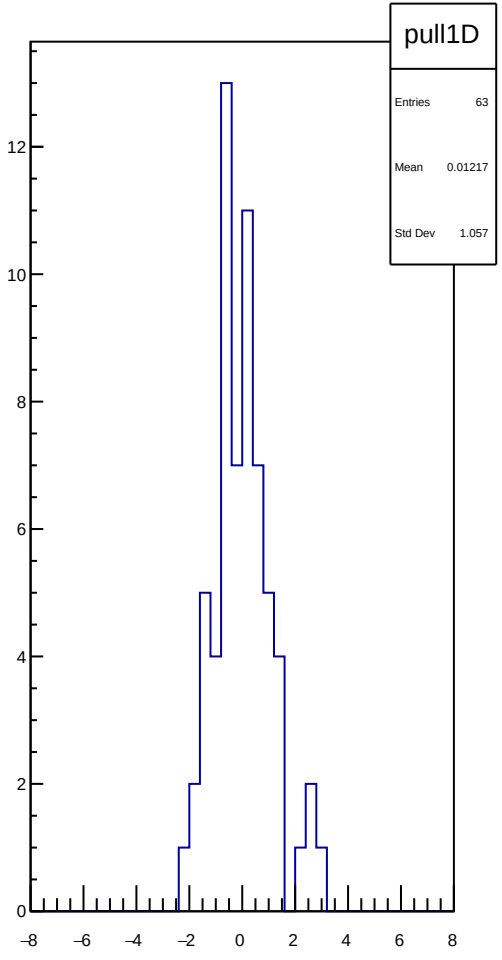

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.438e+04 / 62
p0 88.2 ± 0.08064
100
90
80
70
60
50

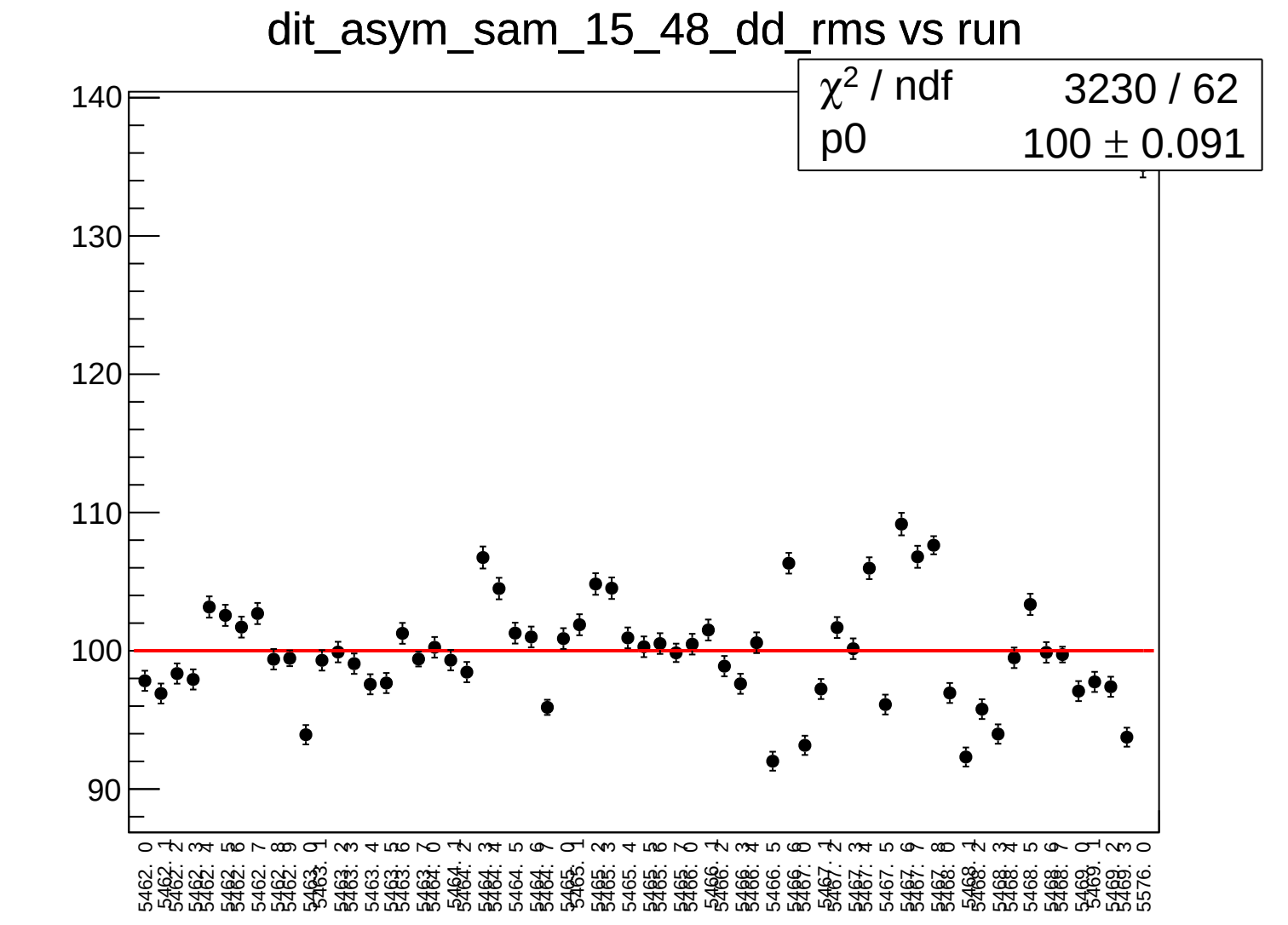

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.05 / 62
p0 −722.3 ± 778.1
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −16.21
Std Dev 0
2
1
0
−1
−2

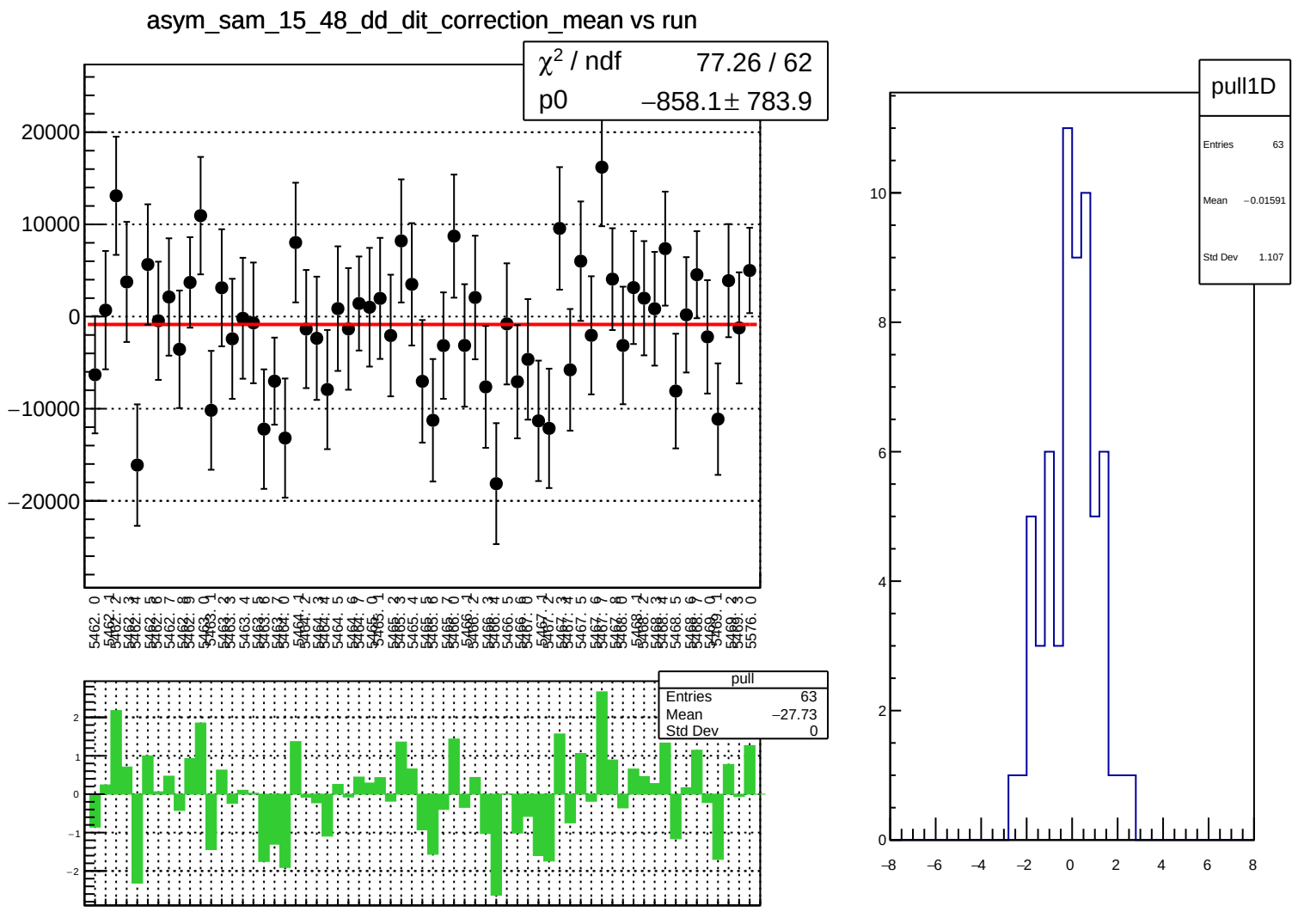

pull1D
Entries 63
Mean −0.02066
Std Dev 1.106
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

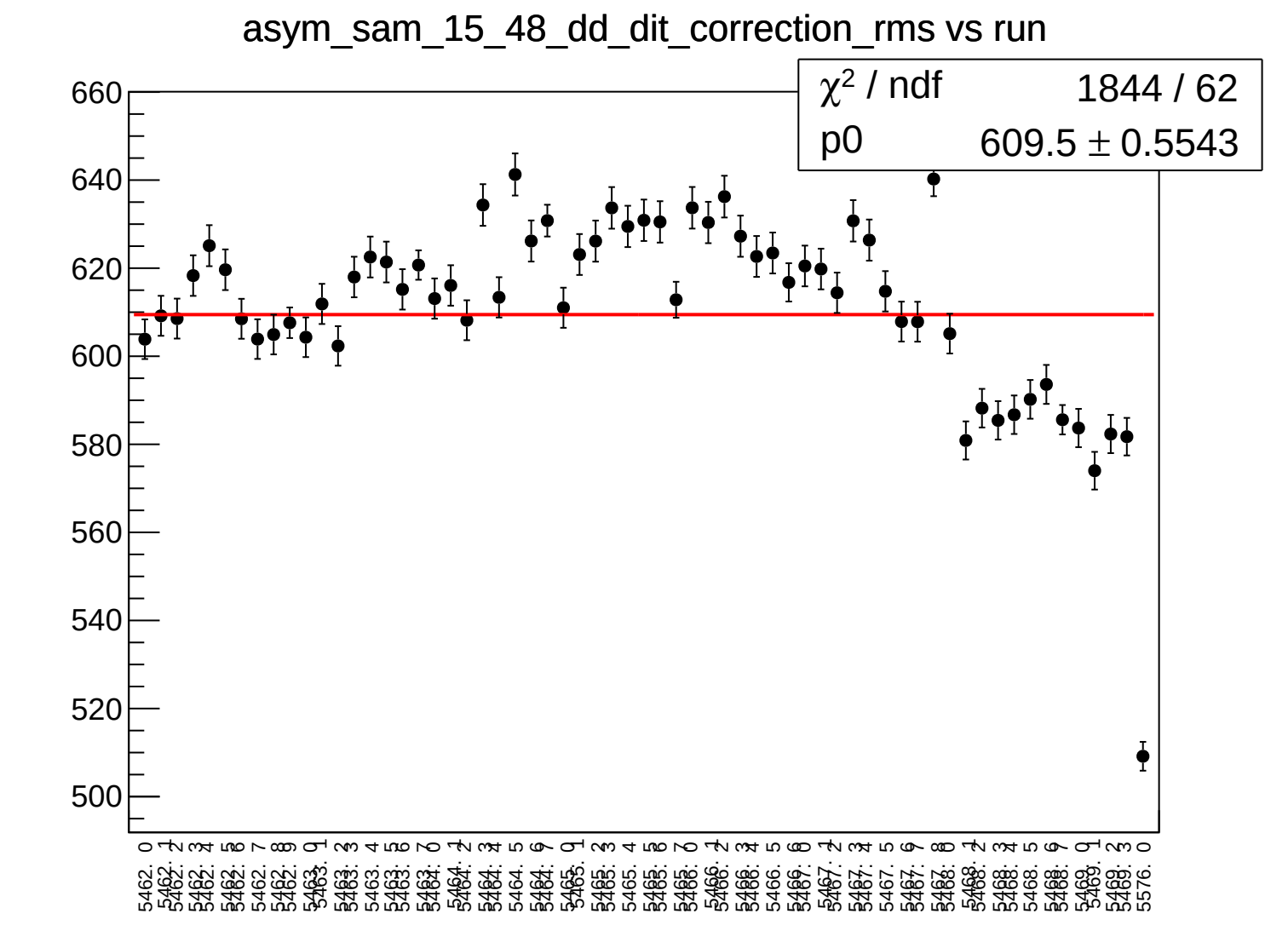

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 7941 / 62
p0 603.4 ± 0.5502
700
650
600
550
500
450
400

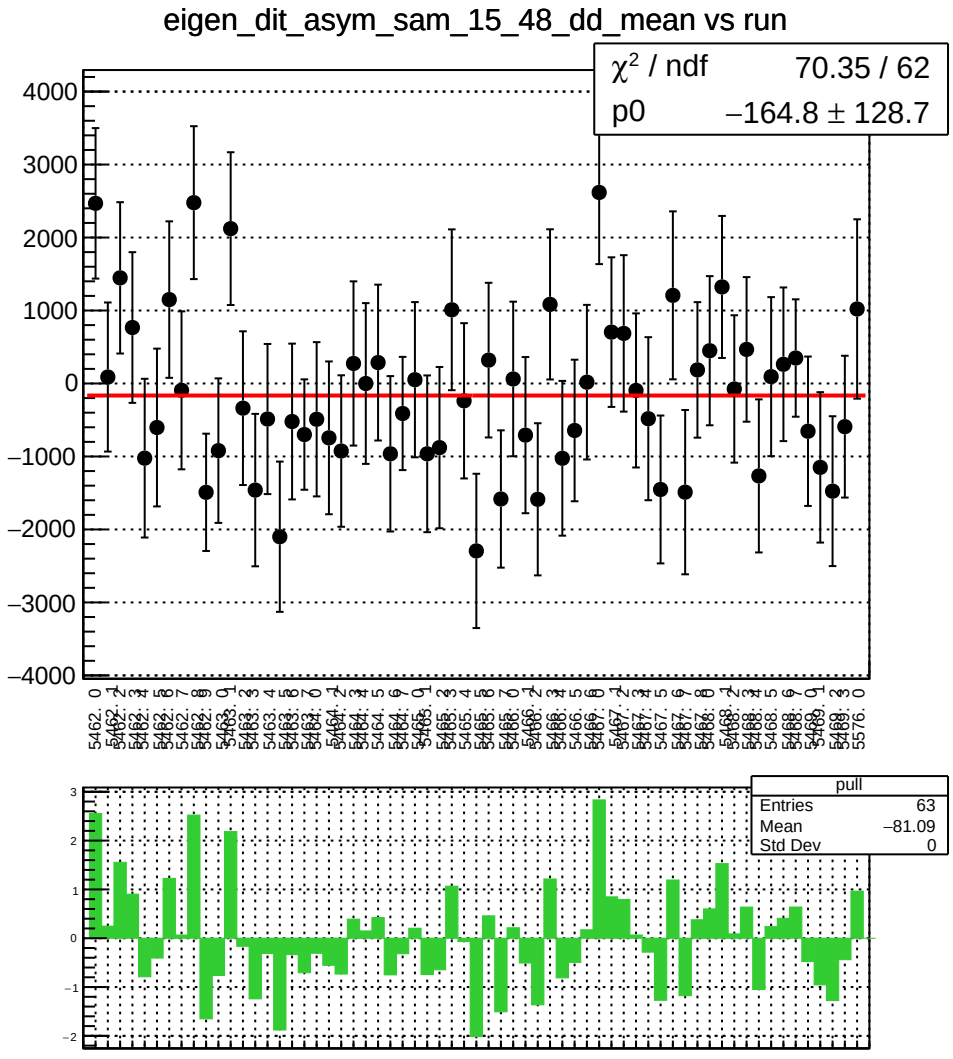

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.35 / 62
p0 −164.8 ± 128.7
pull
Entries 63
Mean −81.09
Std Dev 0

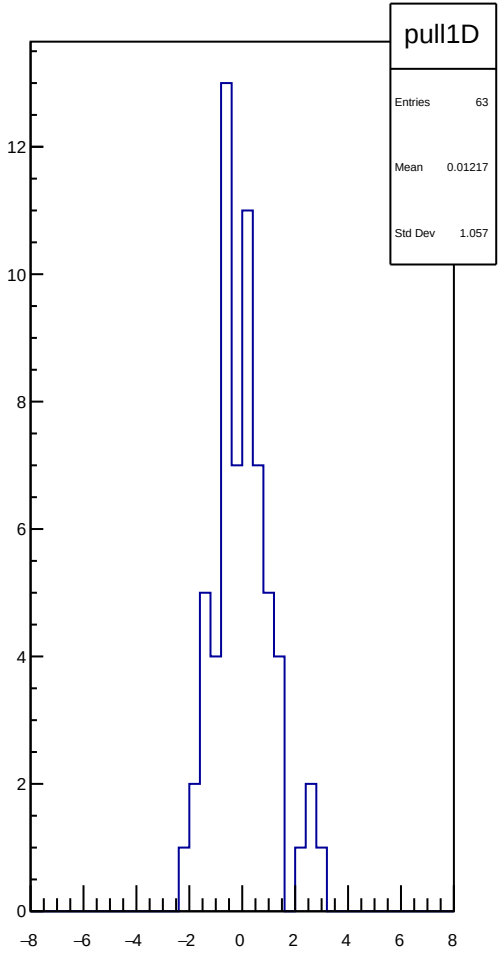

pull1D
Entries 63
Mean 0.01217
Std Dev 1.057

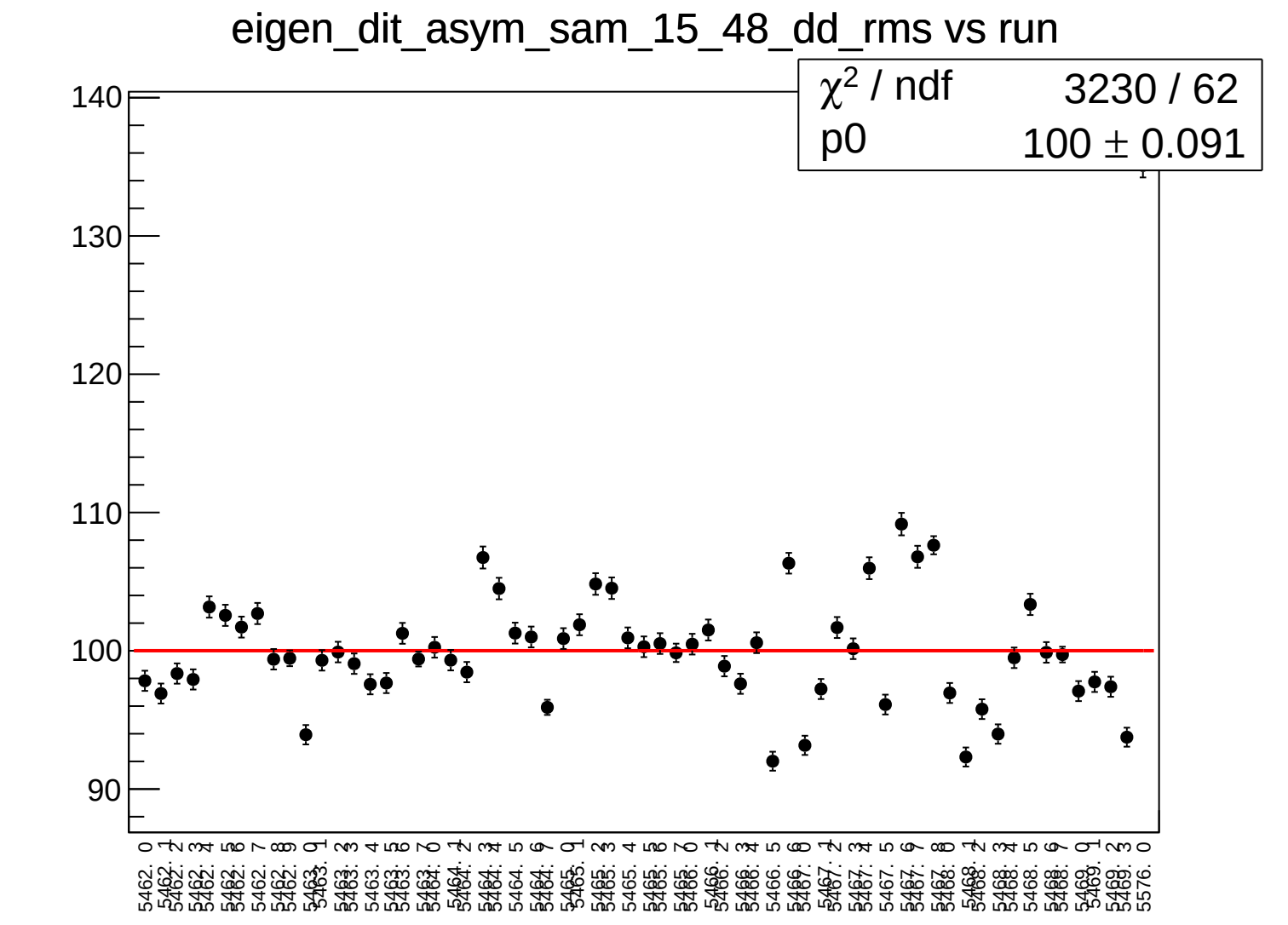

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3230 / 62
p0 100 ± 0.091
140
130
120
110
100
90

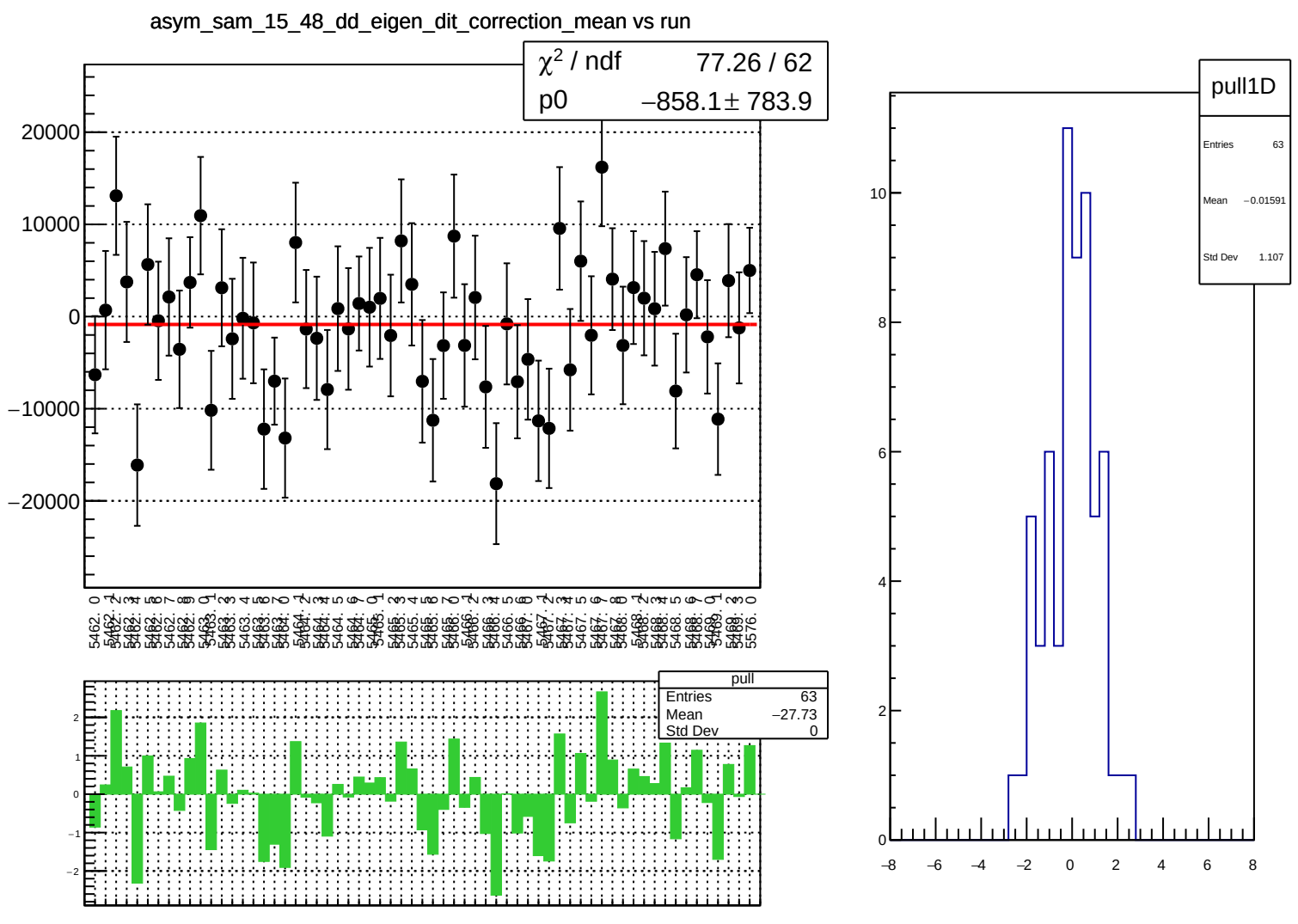

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 77.26 / 62
p0 −858.1± 783.9
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −27.73
Std Dev 0
pull1D
Entries 63
Mean −0.01591
Std Dev 1.107

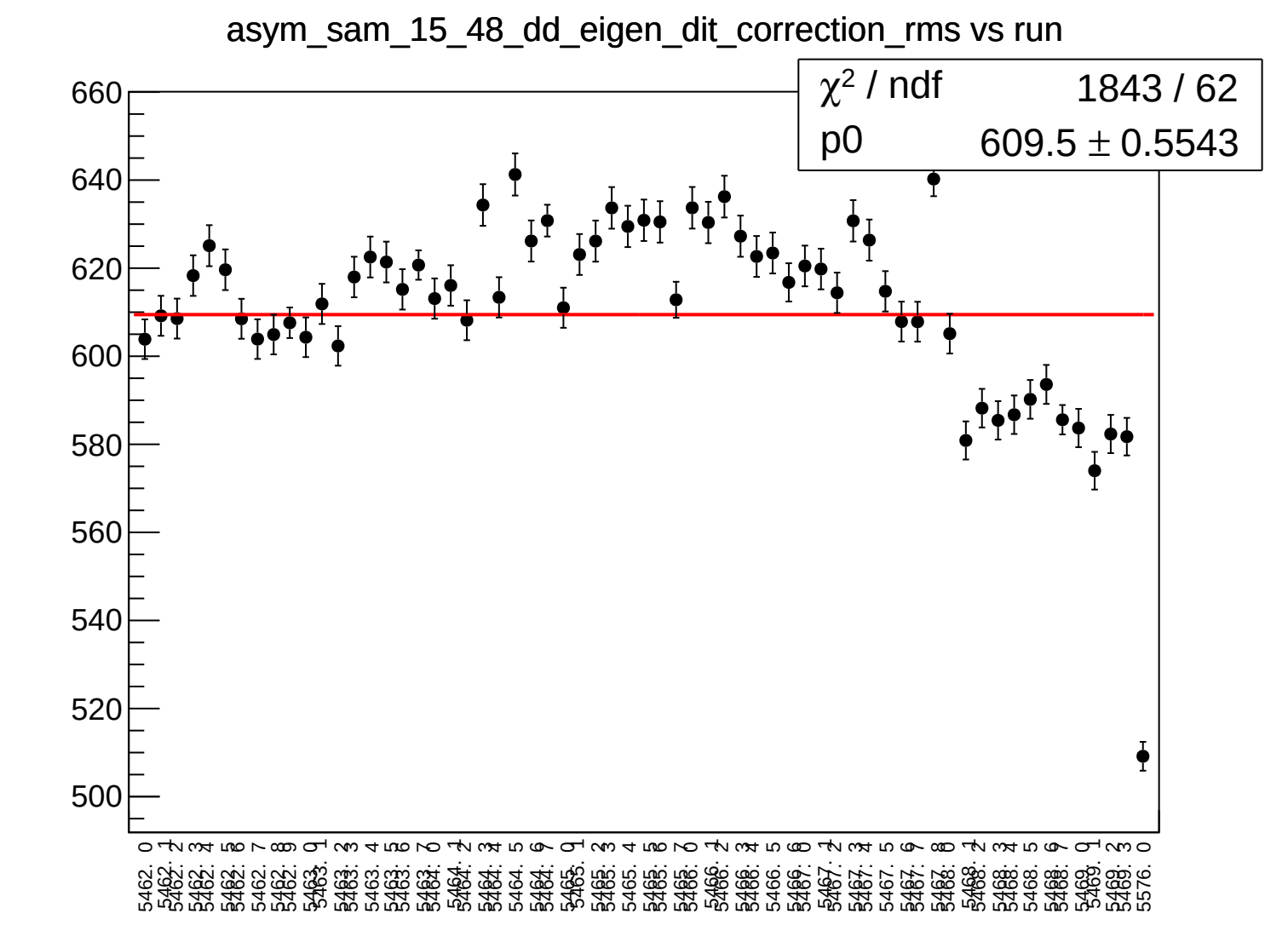

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1844 / 62
p0 609.5 ± 0.5543
660
640
620
600
580
560
540
520
500

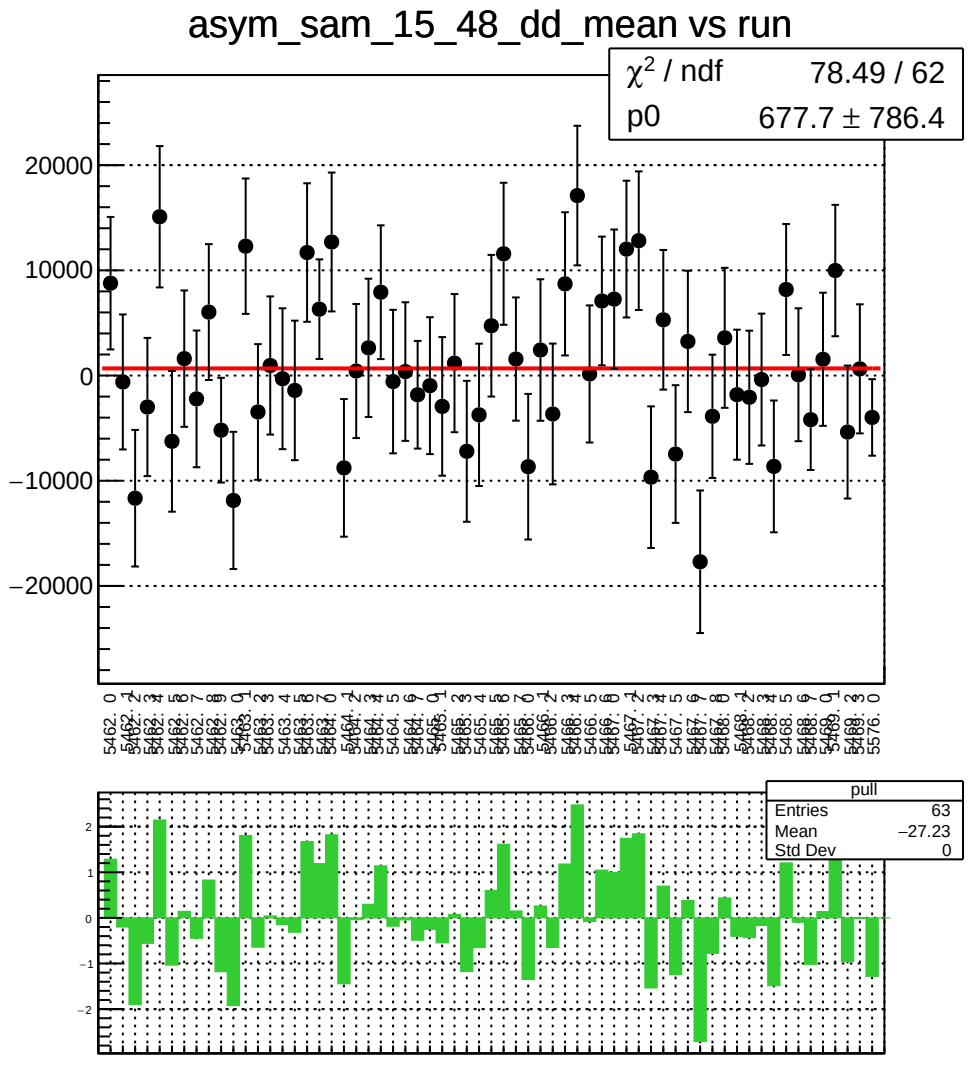

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.35 / 62
p0 −164.8 ± 128.7
pull
Entries 63
Mean −81.09
Std Dev 0

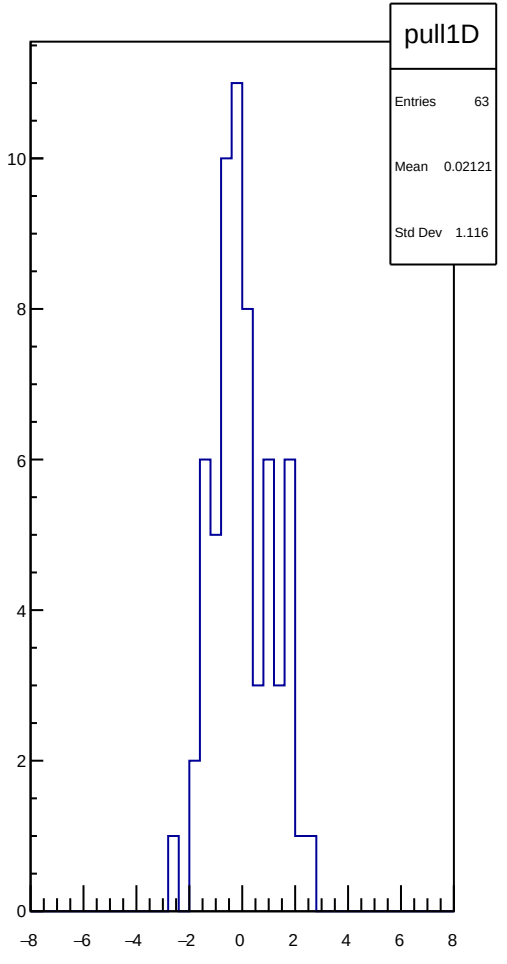

pull1D
Entries 63
Mean 0.01217
Std Dev 1.057

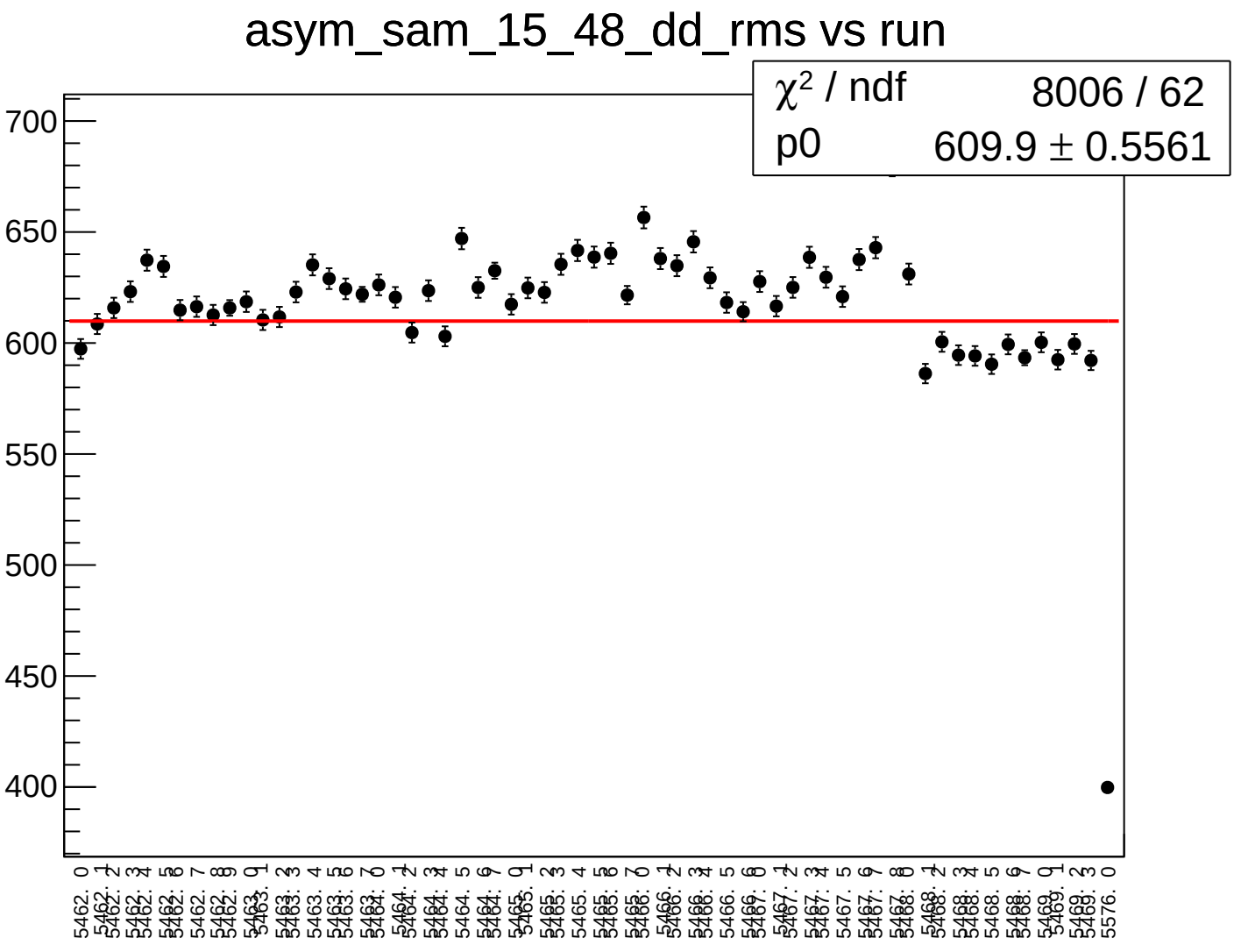

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3230 / 62
p0 100 ± 0.091
140
130
120
110
100
90

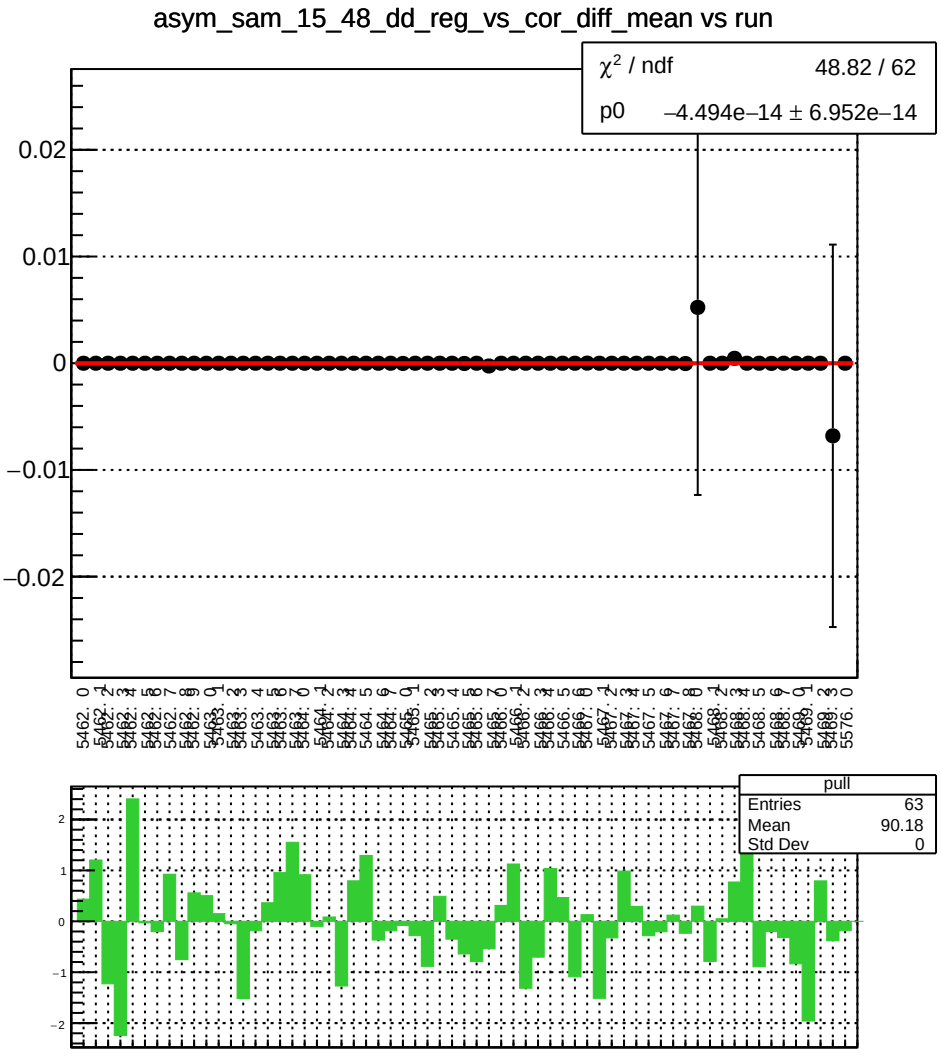

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.26 / 62
p0 −858.1± 783.9
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −27.73
Std Dev 0
pull1D
Entries 63
Mean −0.01591
Std Dev 1.107

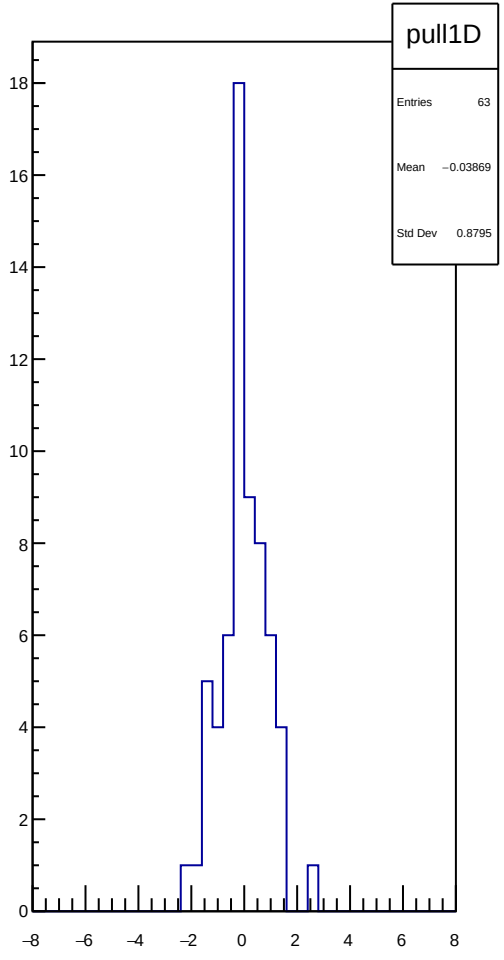

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1843 / 62
p0 609.5 ± 0.5543
660
640
620
600
580
560
540
520
500

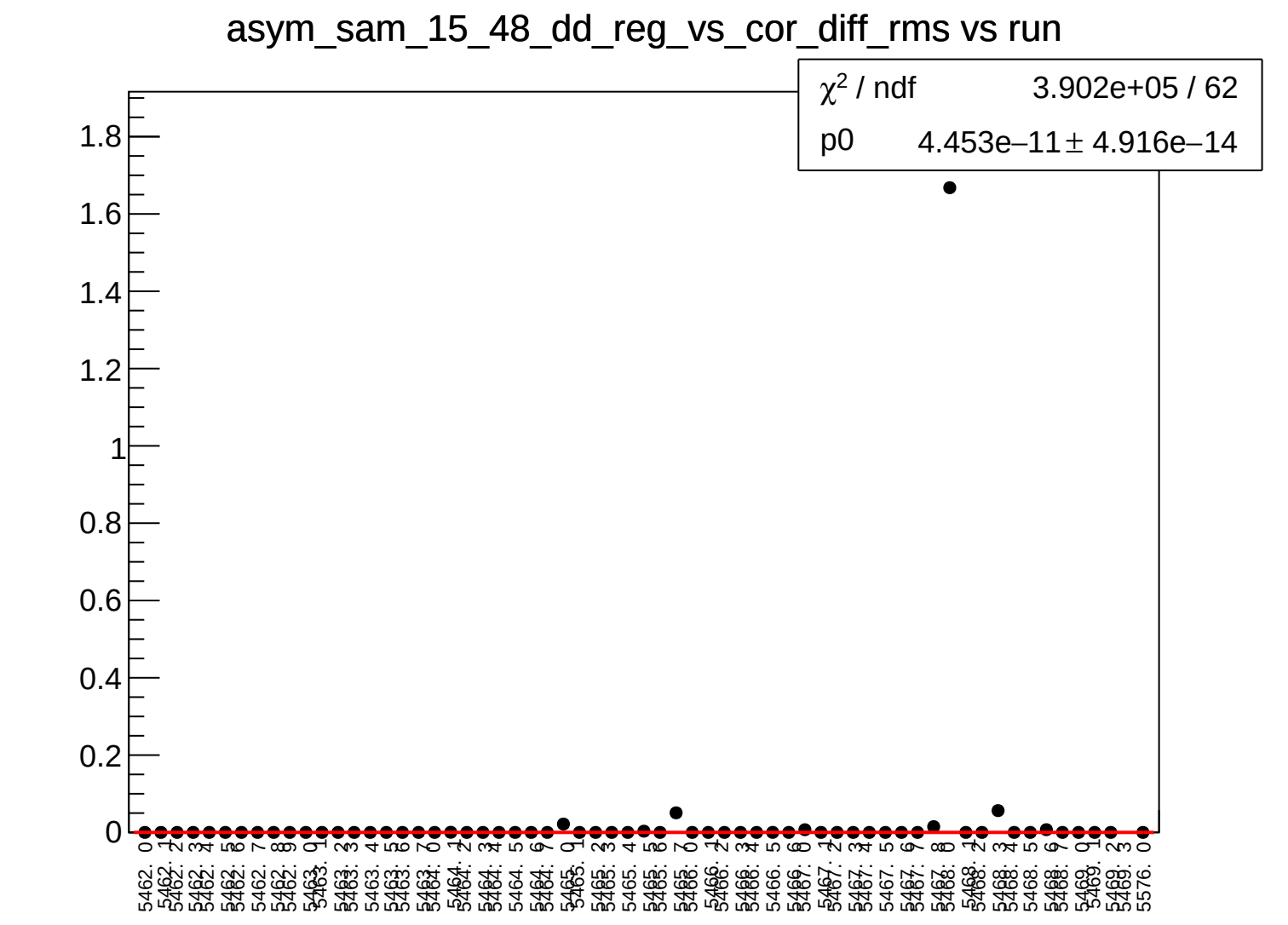

asym_sam_15_48_dd_mean vs run
χ² / ndf 78.49 / 62
p0 677.7 ± 786.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −27.23
Std Dev 0
2
1
0
−1
−2

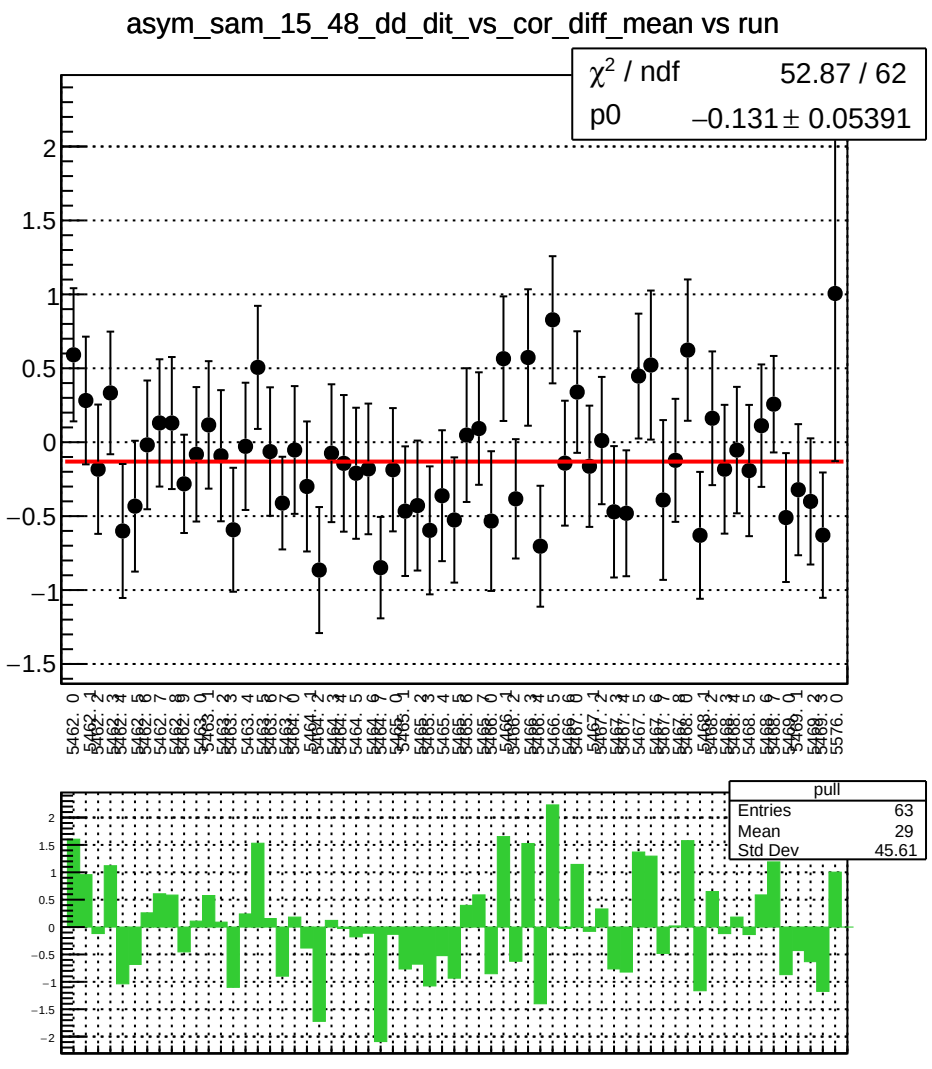

pull1D
Entries 63
Mean 0.02121
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

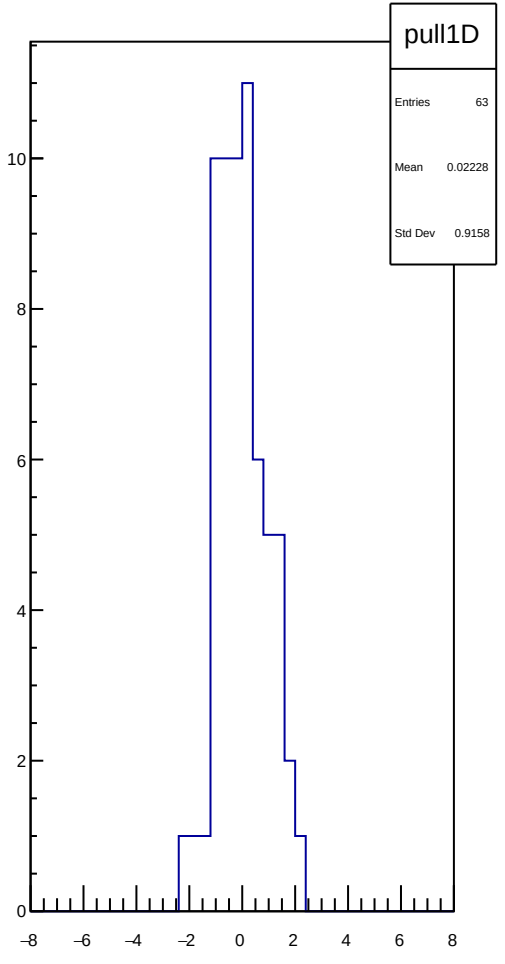

asym_sam_15_48_dd_rms vs run
χ² / ndf 8006 / 62
p0 609.9 ± 0.5561
700
650
600
550
500
450
400

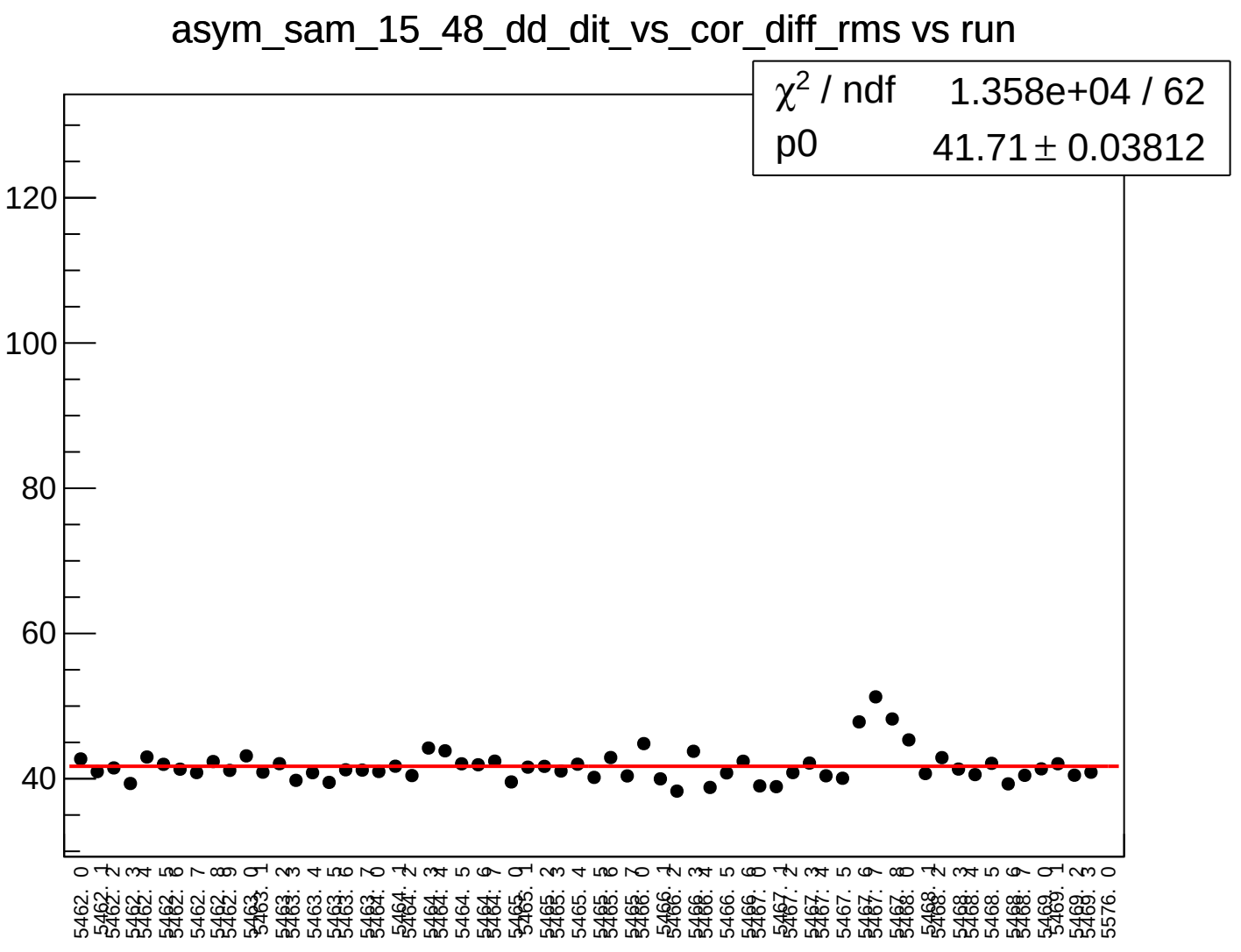

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.82 / 62
p0 −4.494e−14 ± 6.952e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 63
Mean 90.18
Std Dev 0
2
1
0
−1
−2

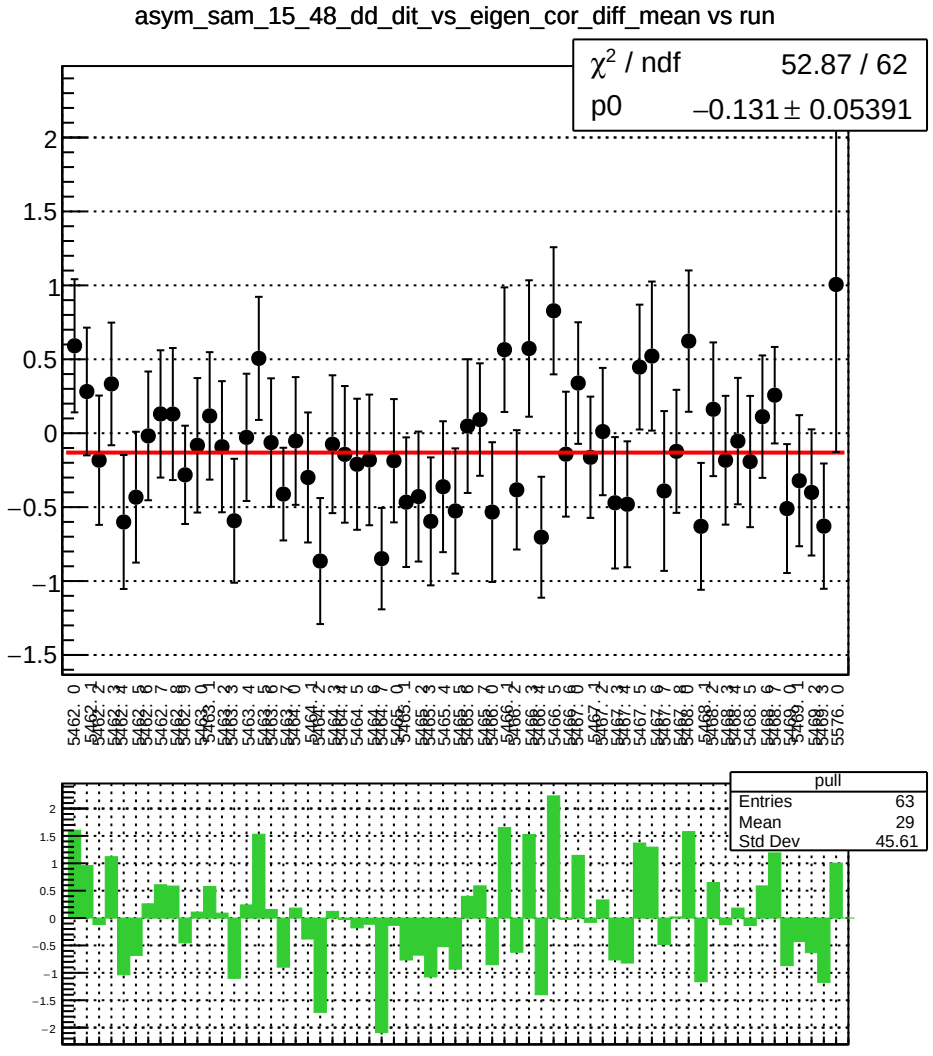

pull1D
Entries 63
Mean −0.03869
Std Dev 0.8795
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

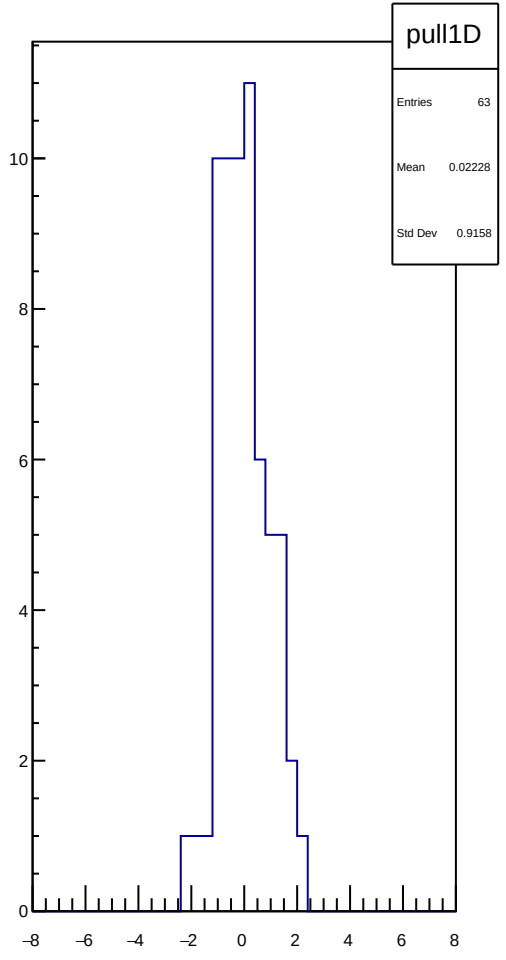

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.902e+05 / 62
p0 4.453e−11 ± 4.916e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

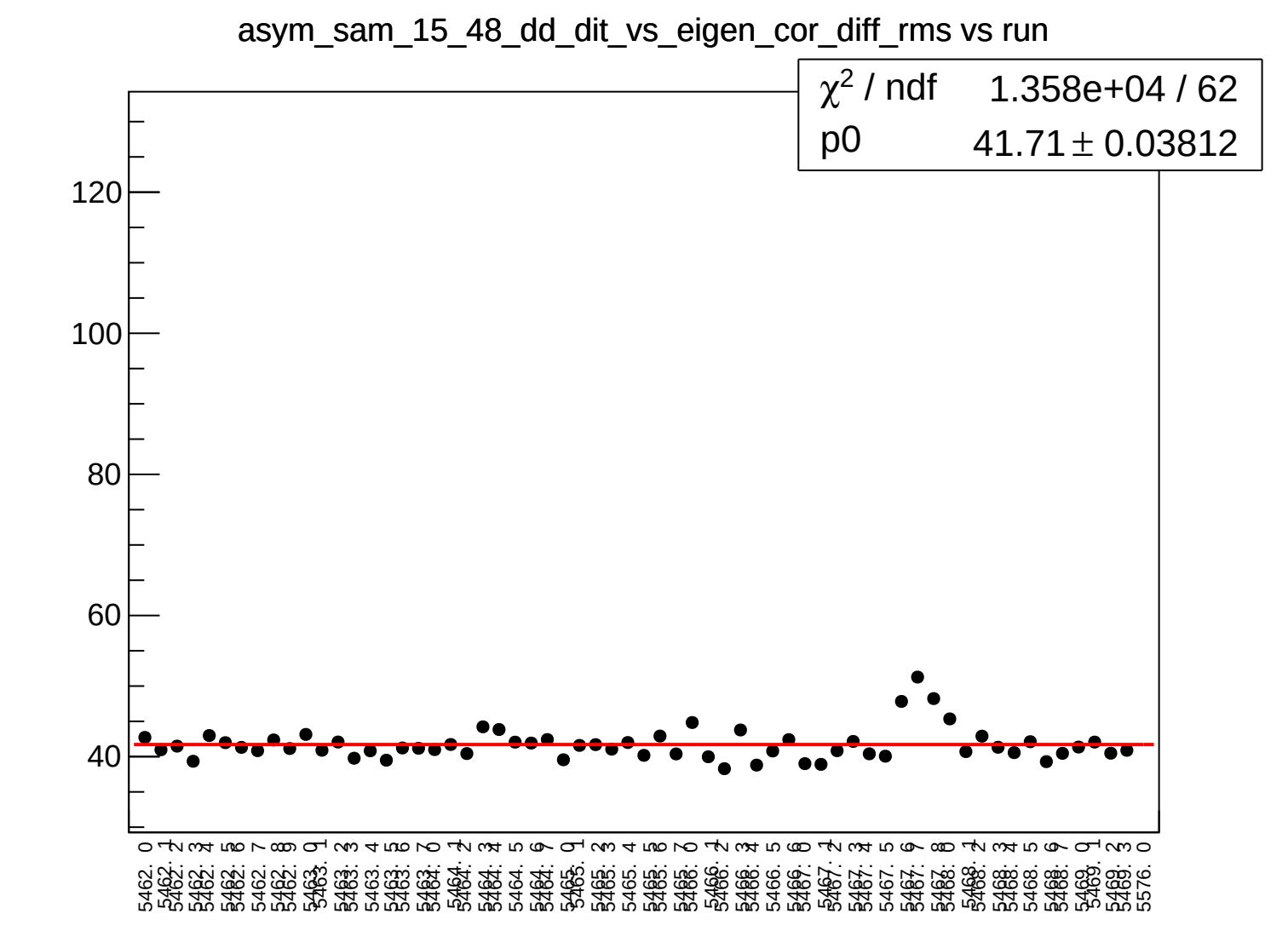

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.87 / 62
p0 −0.131 ± 0.05391
pull
Entries 63
Mean 29
Std Dev 45.61

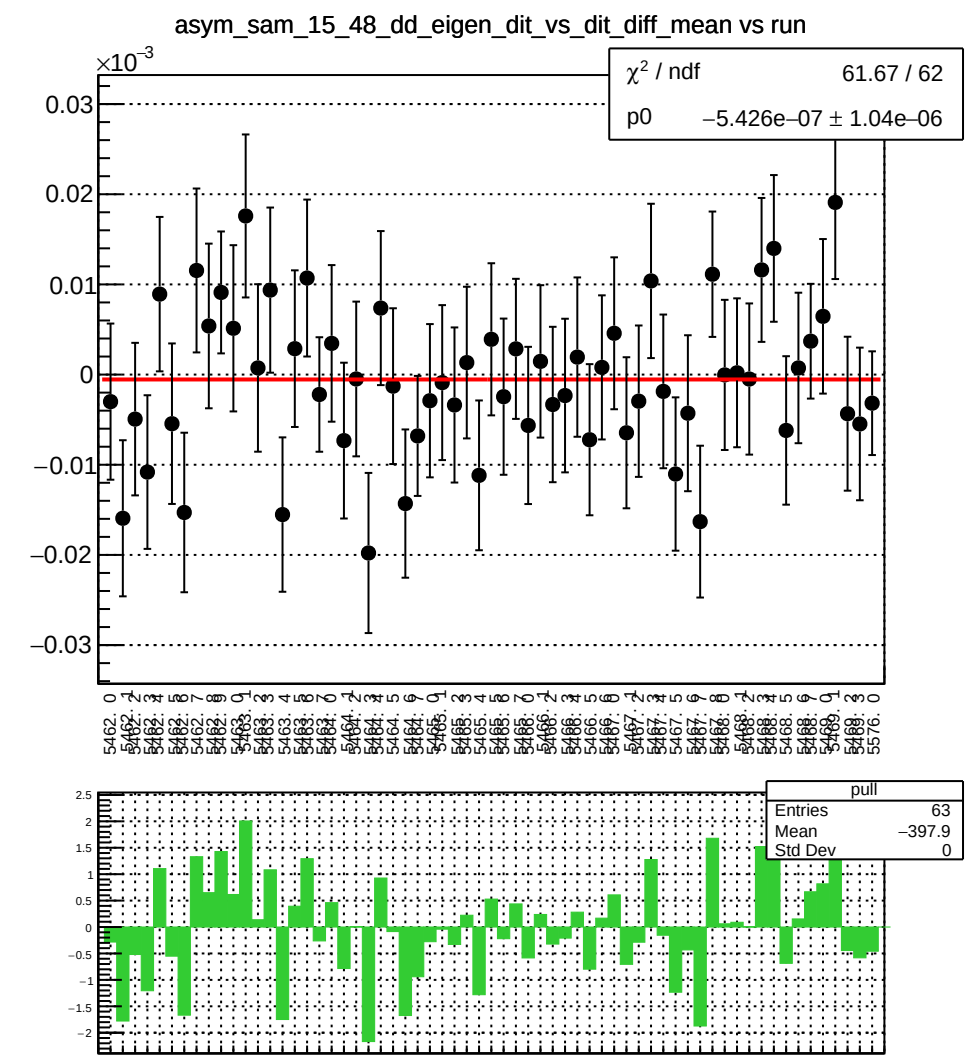

pull1D
Entries 63
Mean 0.02228
Std Dev 0.9158

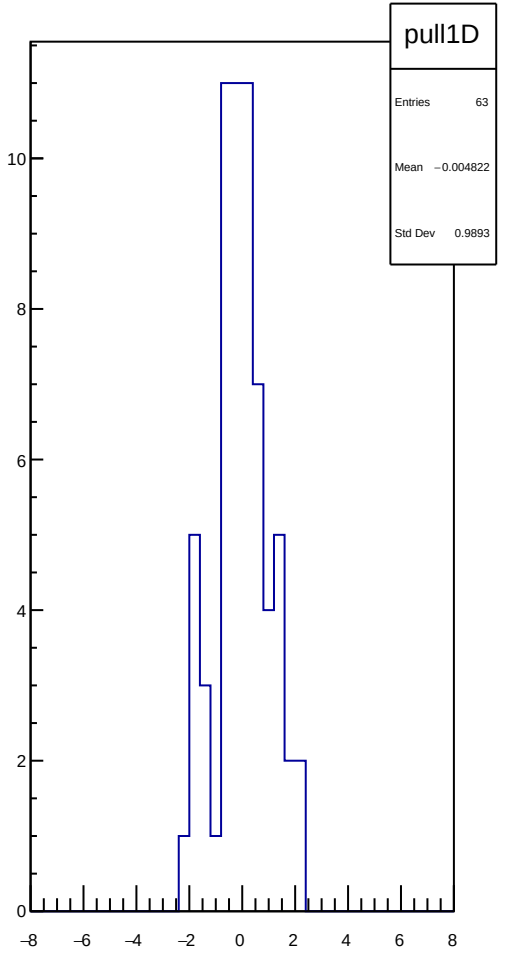

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.358e+04 / 62
p0 41.71 ± 0.03812
120
100
80
60
40

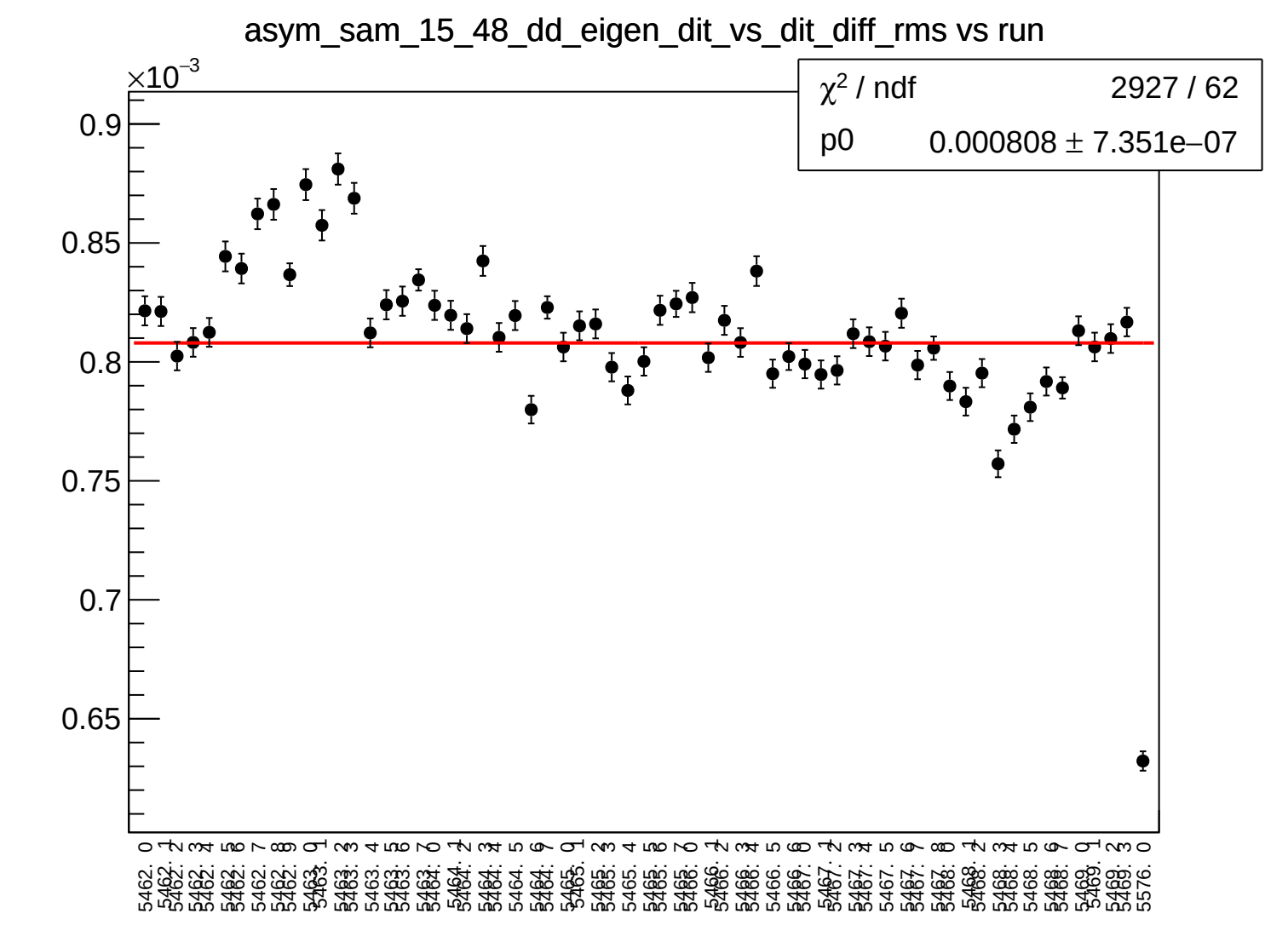

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.87 / 62
p0 −0.131 ± 0.05391
pull
Entries 63
Mean 29
Std Dev 45.61

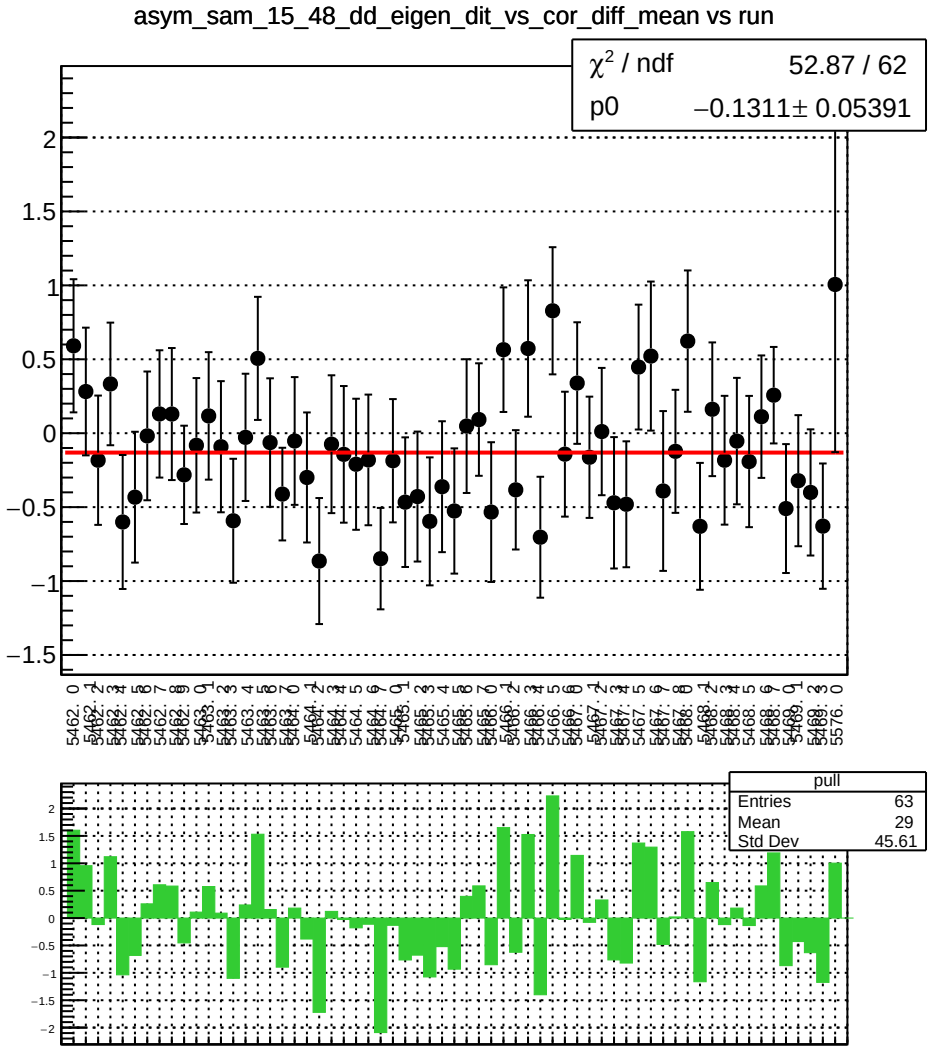

pull1D
Entries 63
Mean 0.02228
Std Dev 0.9158

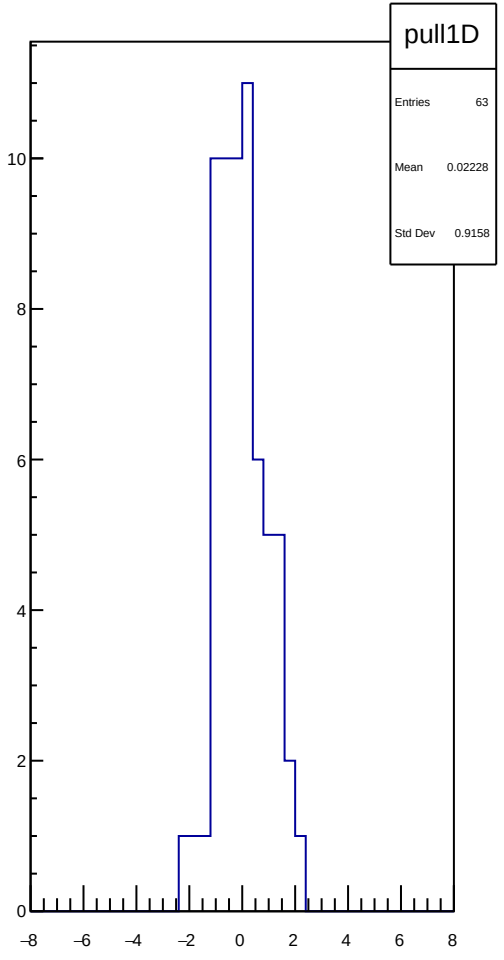

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.358e+04 / 62
p0 41.71 ± 0.03812
120
100
80
60
40

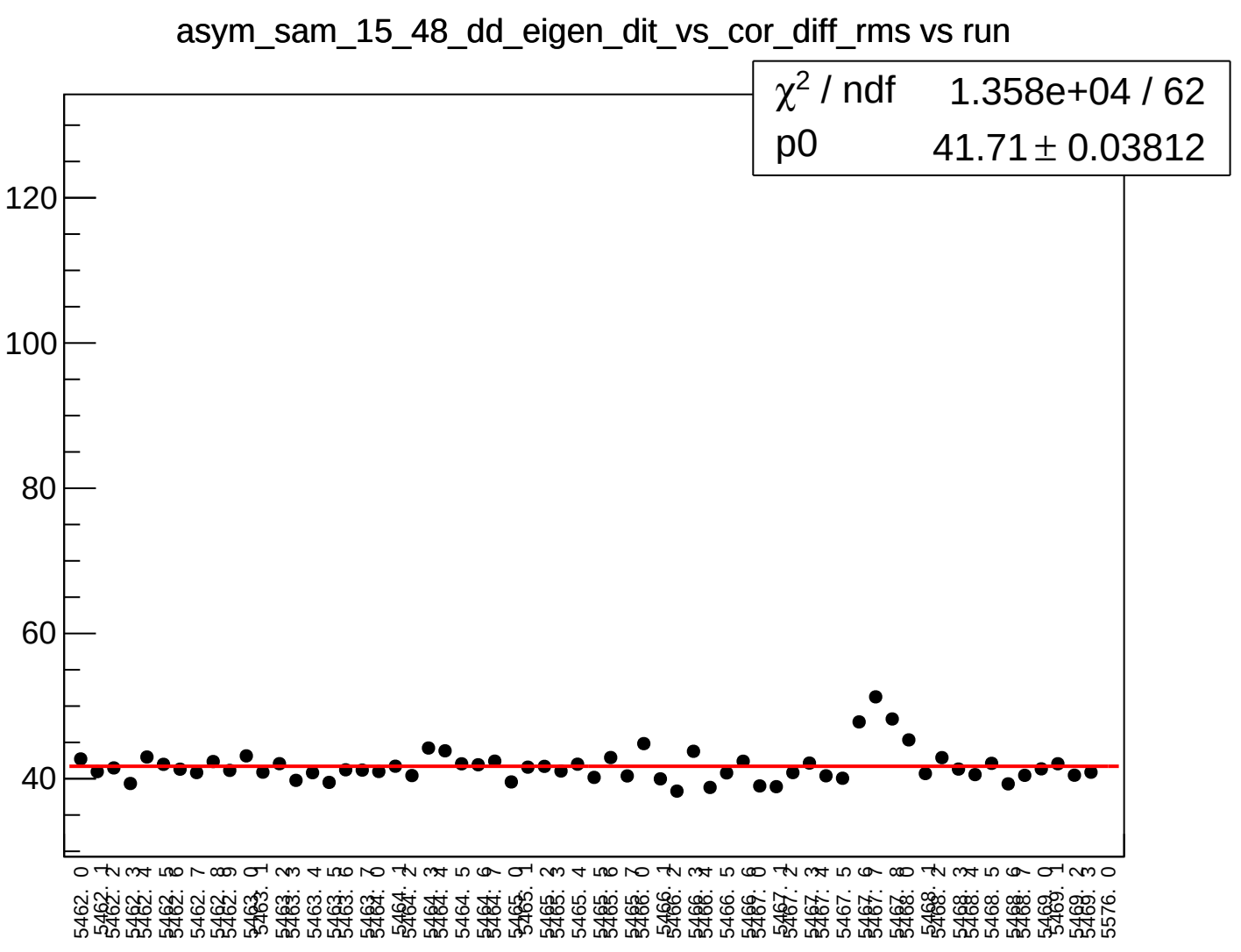

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.67 / 62
p0 −5.426e−07 ± 1.04e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 63
Mean −397.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

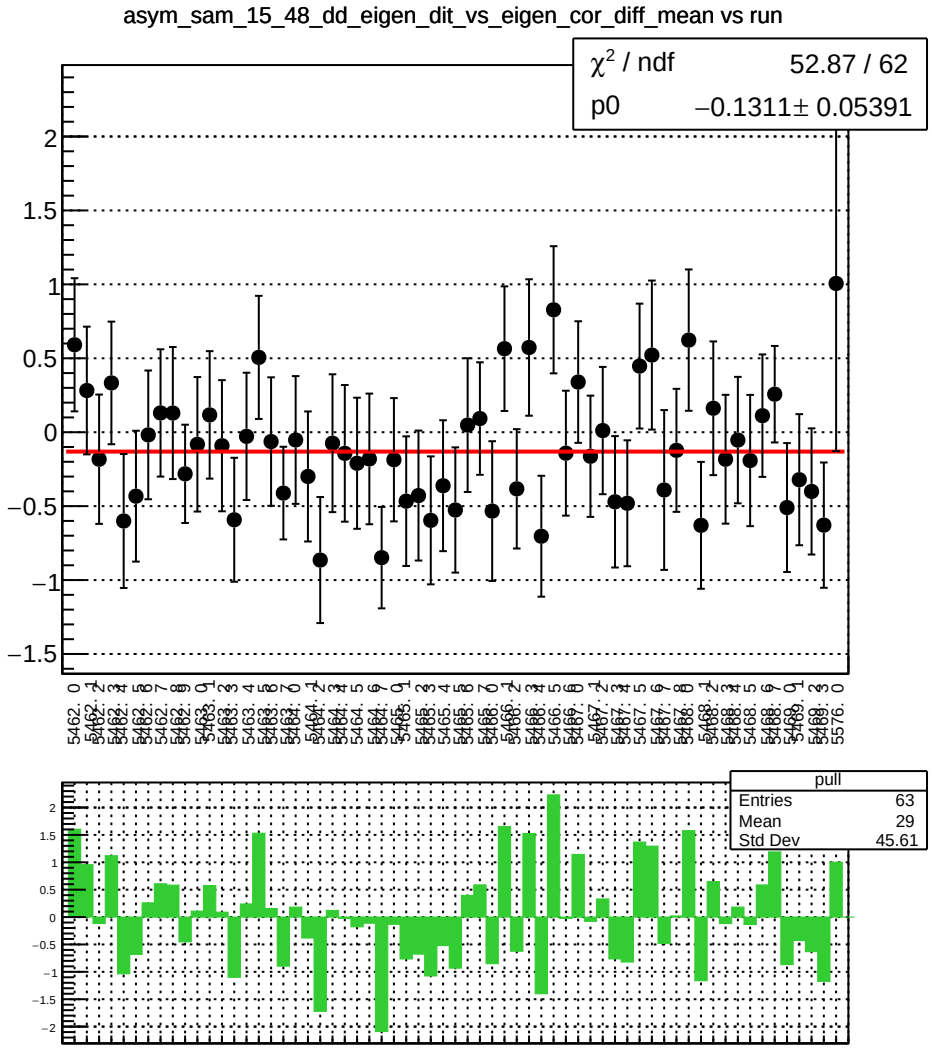

pull1D
Entries 63
Mean −0.004822
Std Dev 0.9893
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

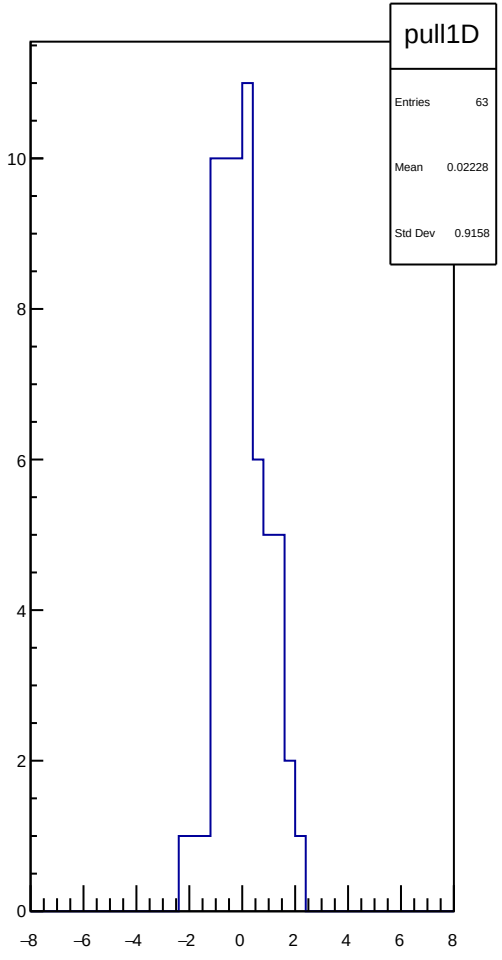

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2927 / 62
p0 0.000808 ± 7.351e−07
0.9
0.85
0.8
0.75
0.7
0.65

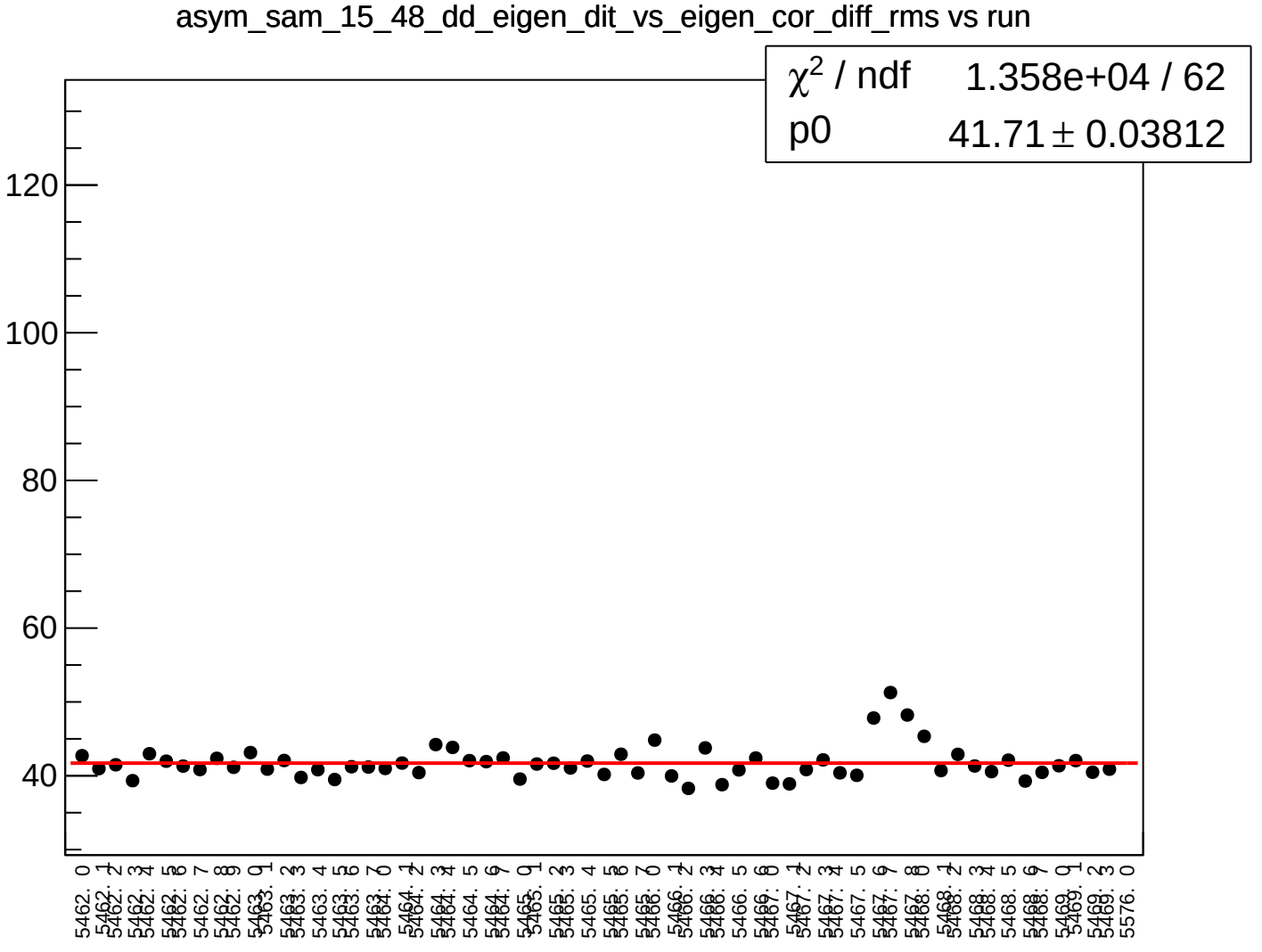

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.87 / 62
p0 −0.1311± 0.05391
pull
Entries 63
Mean 29
Std Dev 45.61

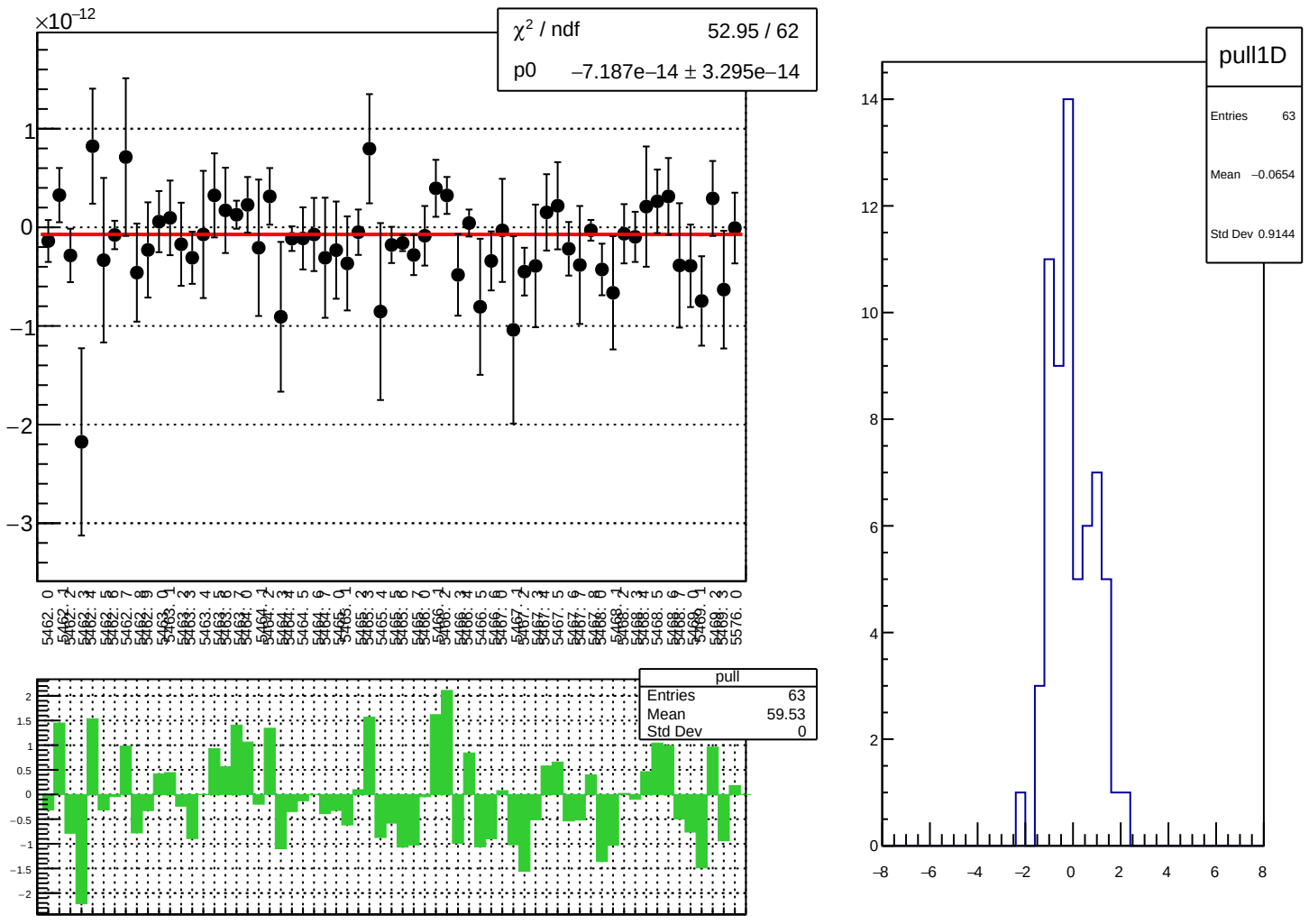

pull1D
Entries 63
Mean 0.02228
Std Dev 0.9158

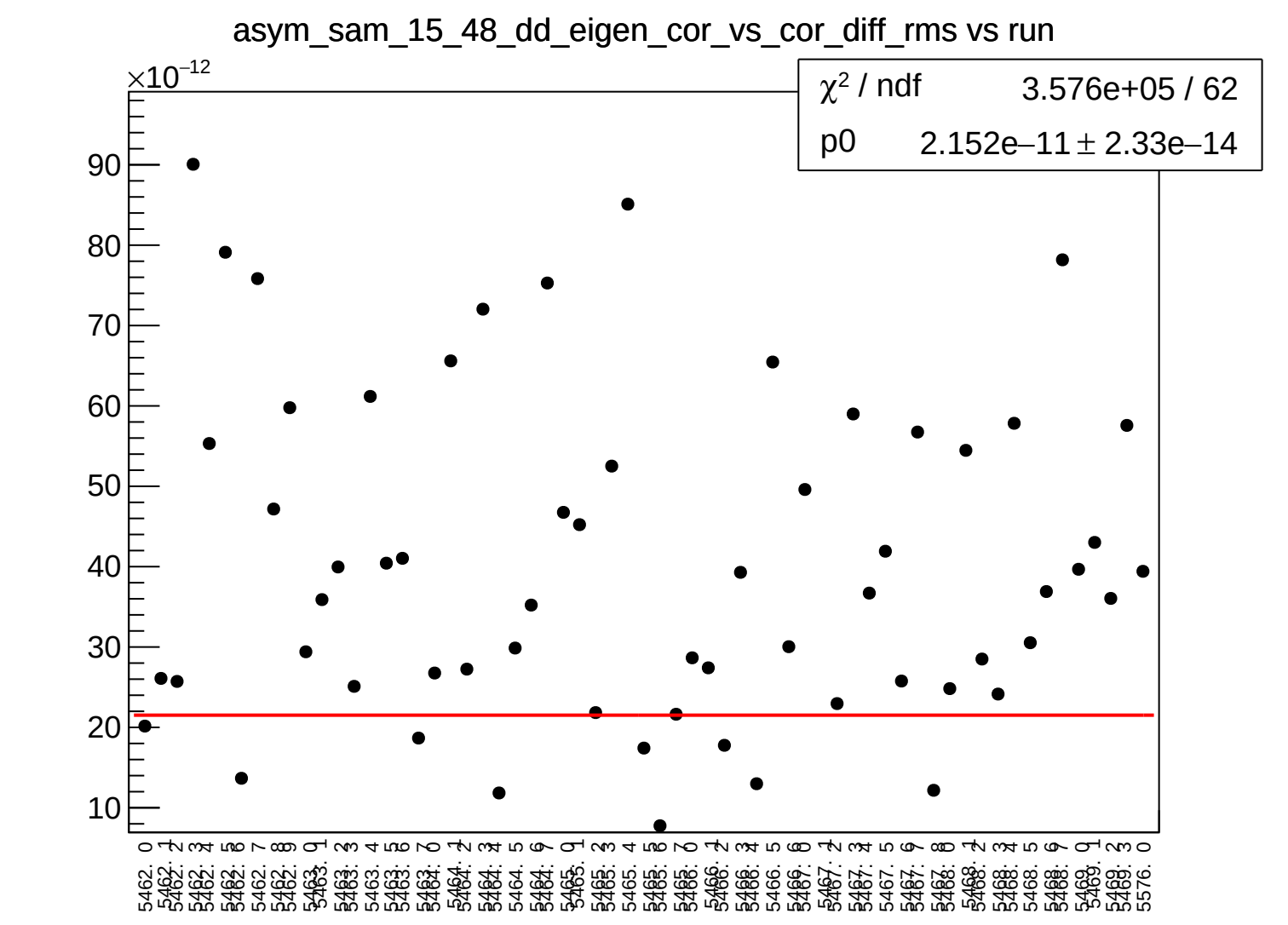

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.358e+04 / 62
p0 41.71 ± 0.03812
120
100
80
60
40

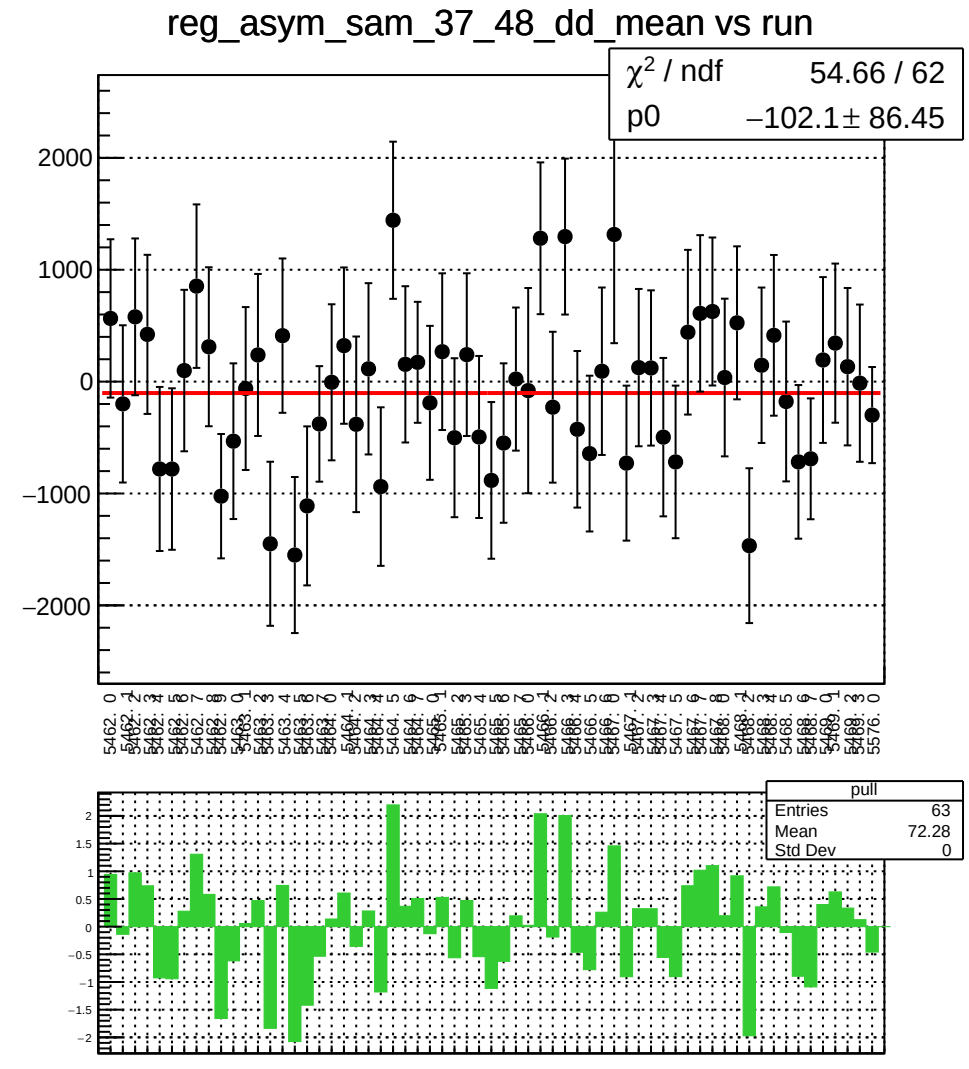

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.87 / 62
p0 −0.1311± 0.05391
pull
Entries 63
Mean 29
Std Dev 45.61

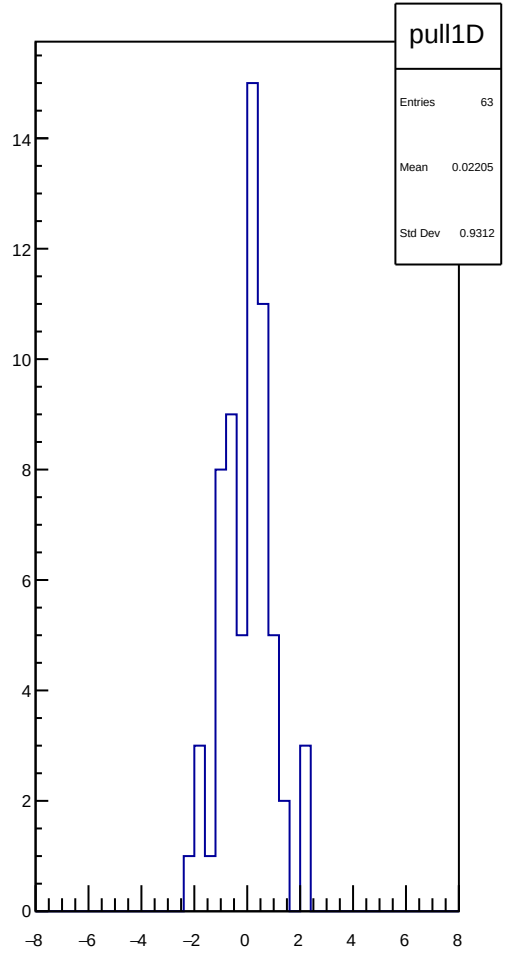

pull1D
Entries 63
Mean 0.02228
Std Dev 0.9158

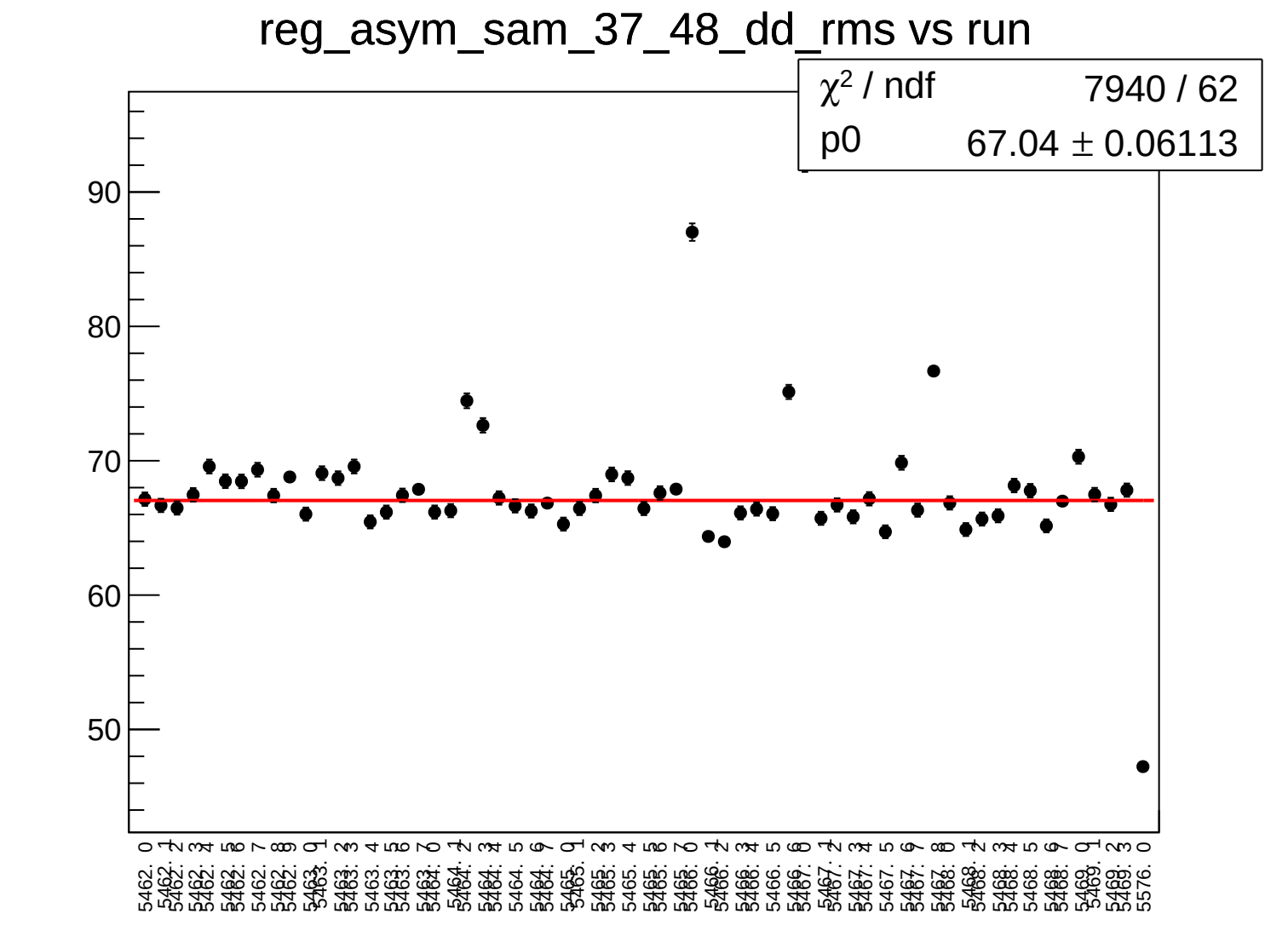

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.358e+04 / 62
p0 41.71 ± 0.03812
120
100
80
60
40

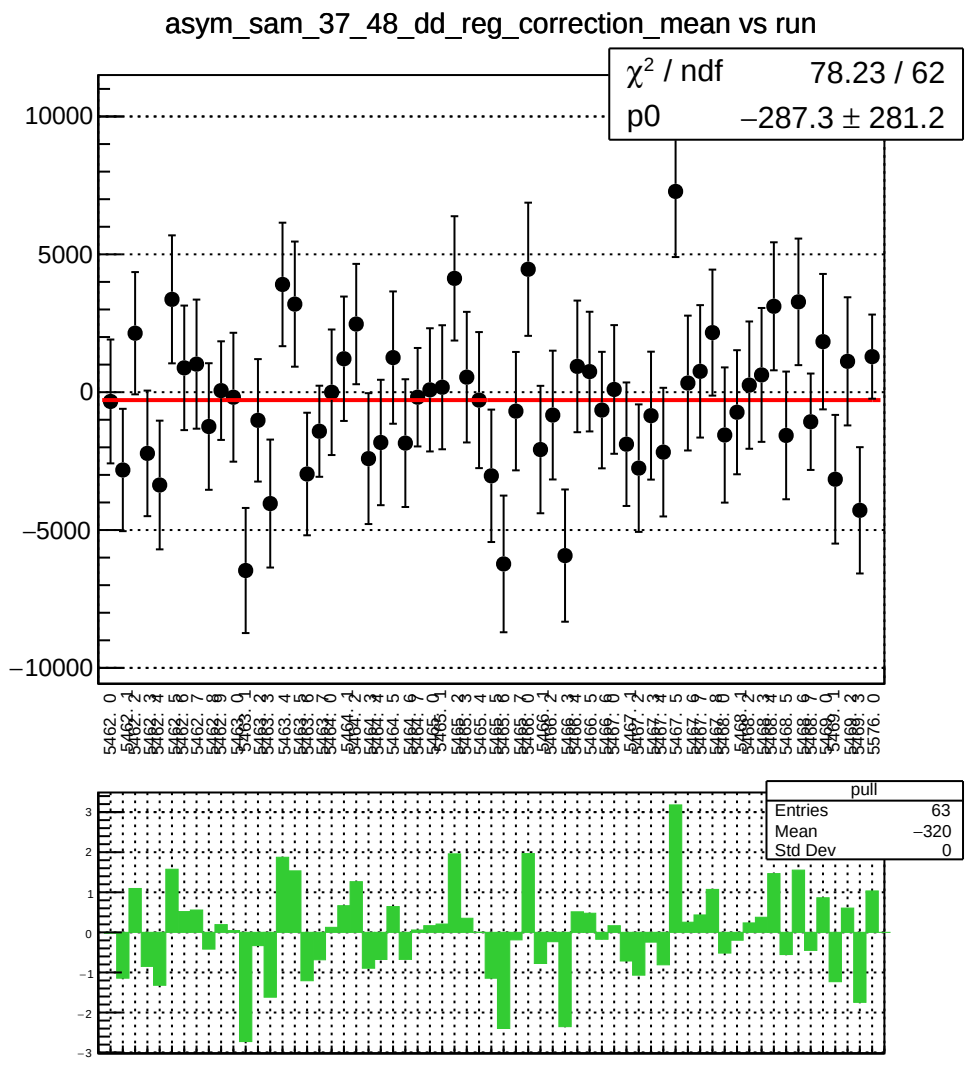

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.95 / 62
p0 −7.187e−14 ± 3.295e−14
pull
Entries 63
Mean 59.53
Std Dev 0
pull1D
Entries 63
Mean −0.0654
Std Dev 0.9144

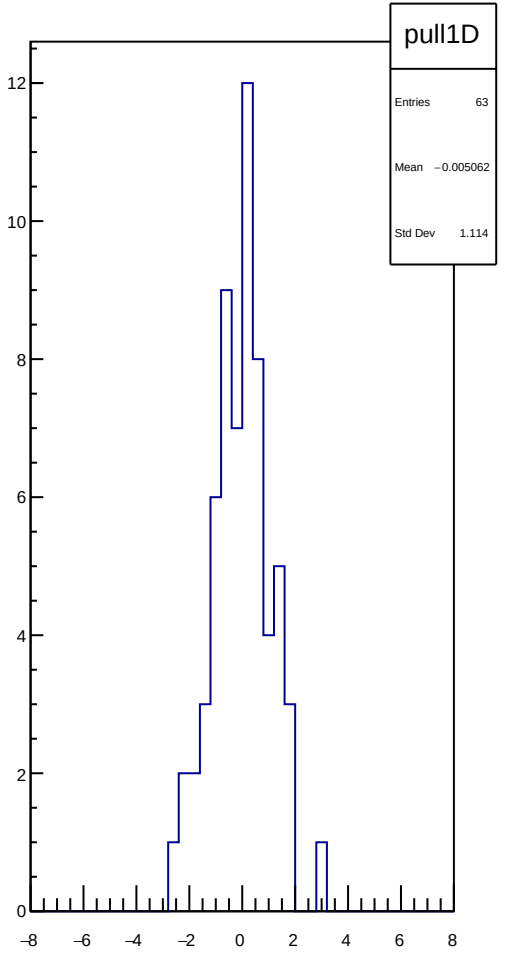

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.576e+05 / 62
p0 2.152e−11 ± 2.33e−14
90
80
70
60
50
40
30
20
10

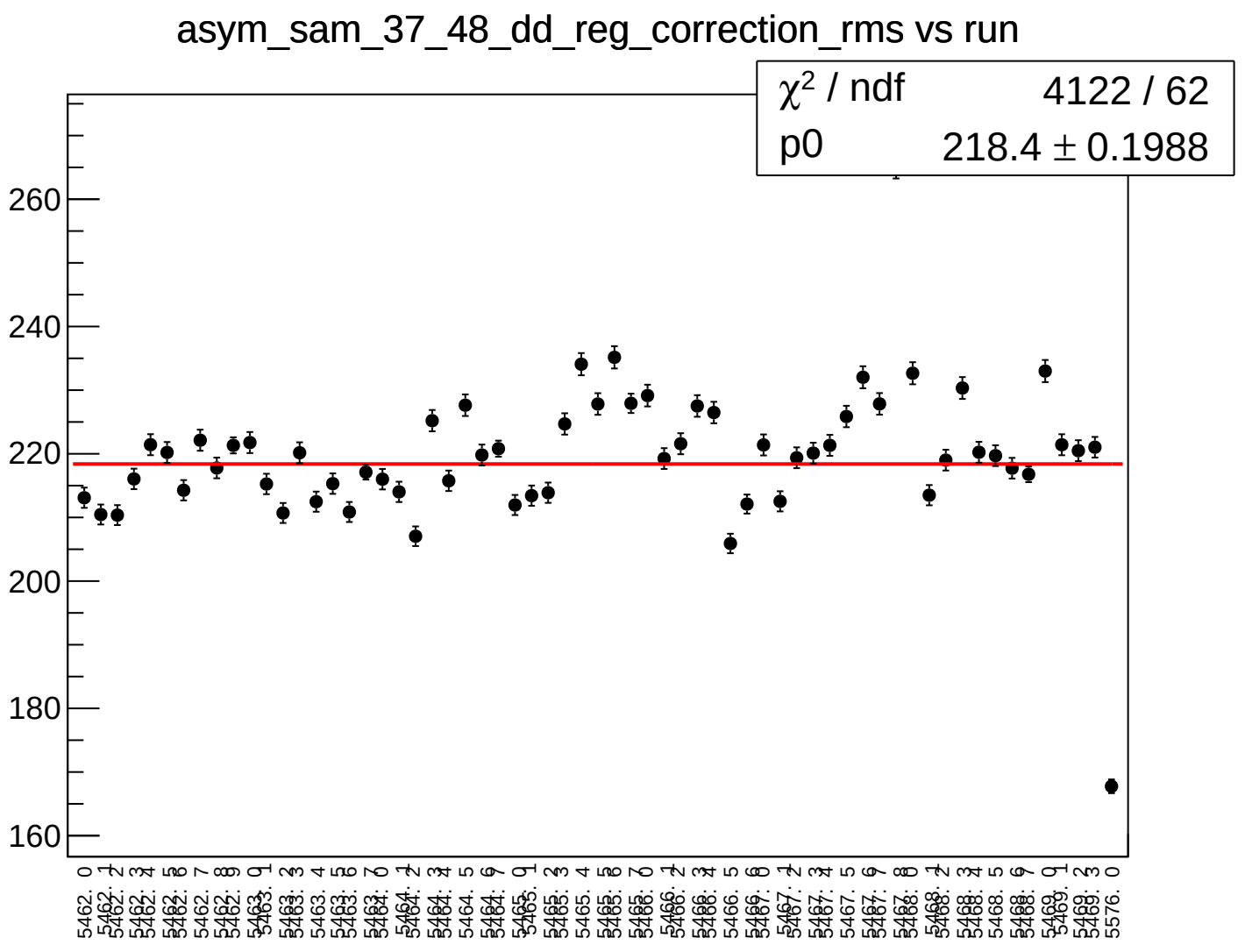

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 54.66 / 62
p0 −102.1± 86.45
2000
1000
0
−1000
−2000
pull
Entries 63
Mean 72.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

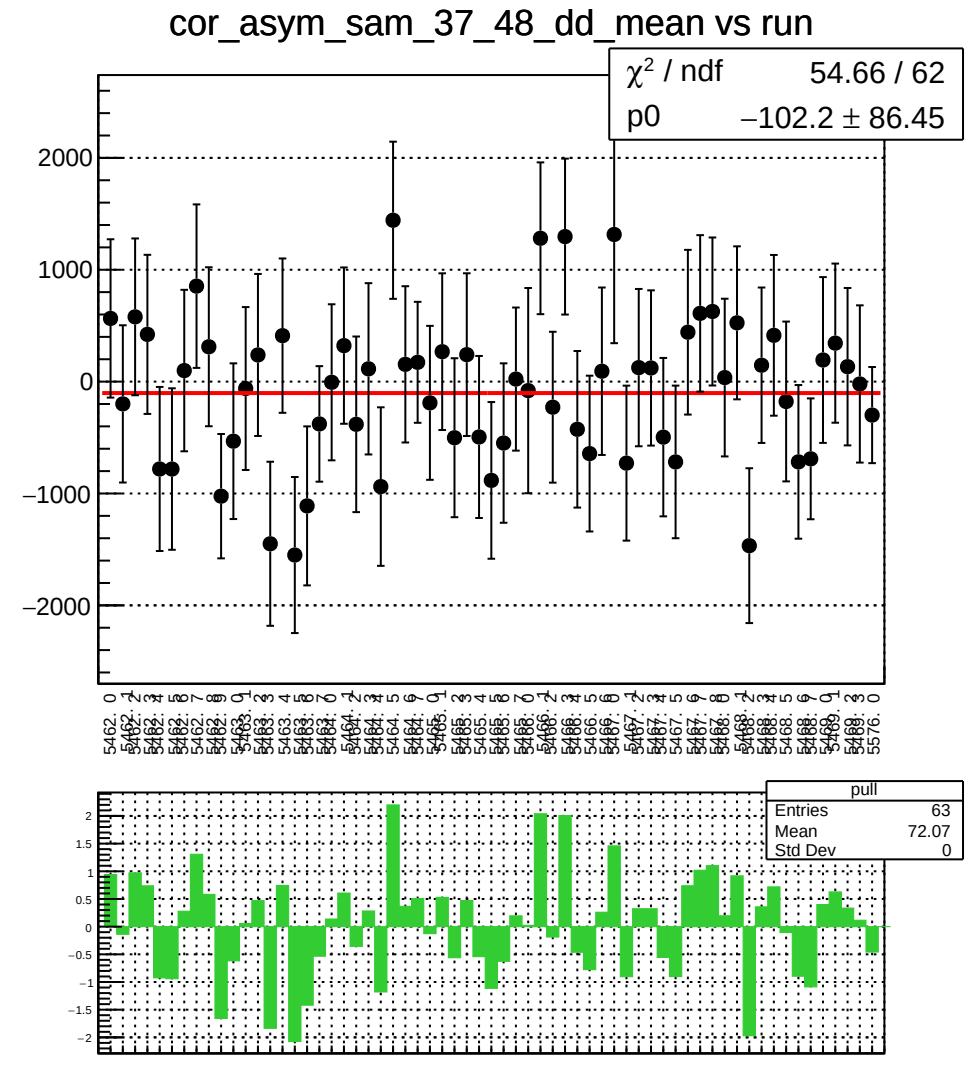

pull1D
Entries 63
Mean 0.02205
Std Dev 0.9312
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

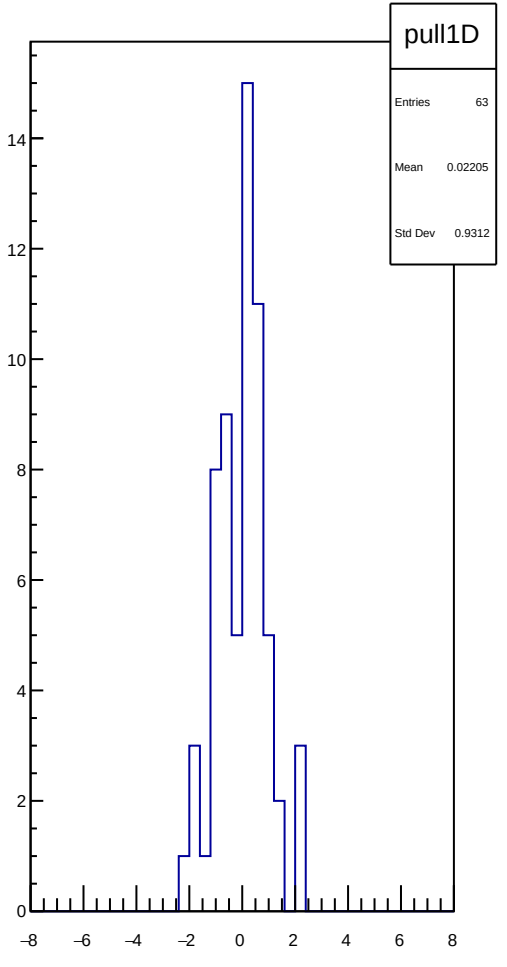

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 7940 / 62
p0 67.04 ± 0.06113
90
80
70
60
50

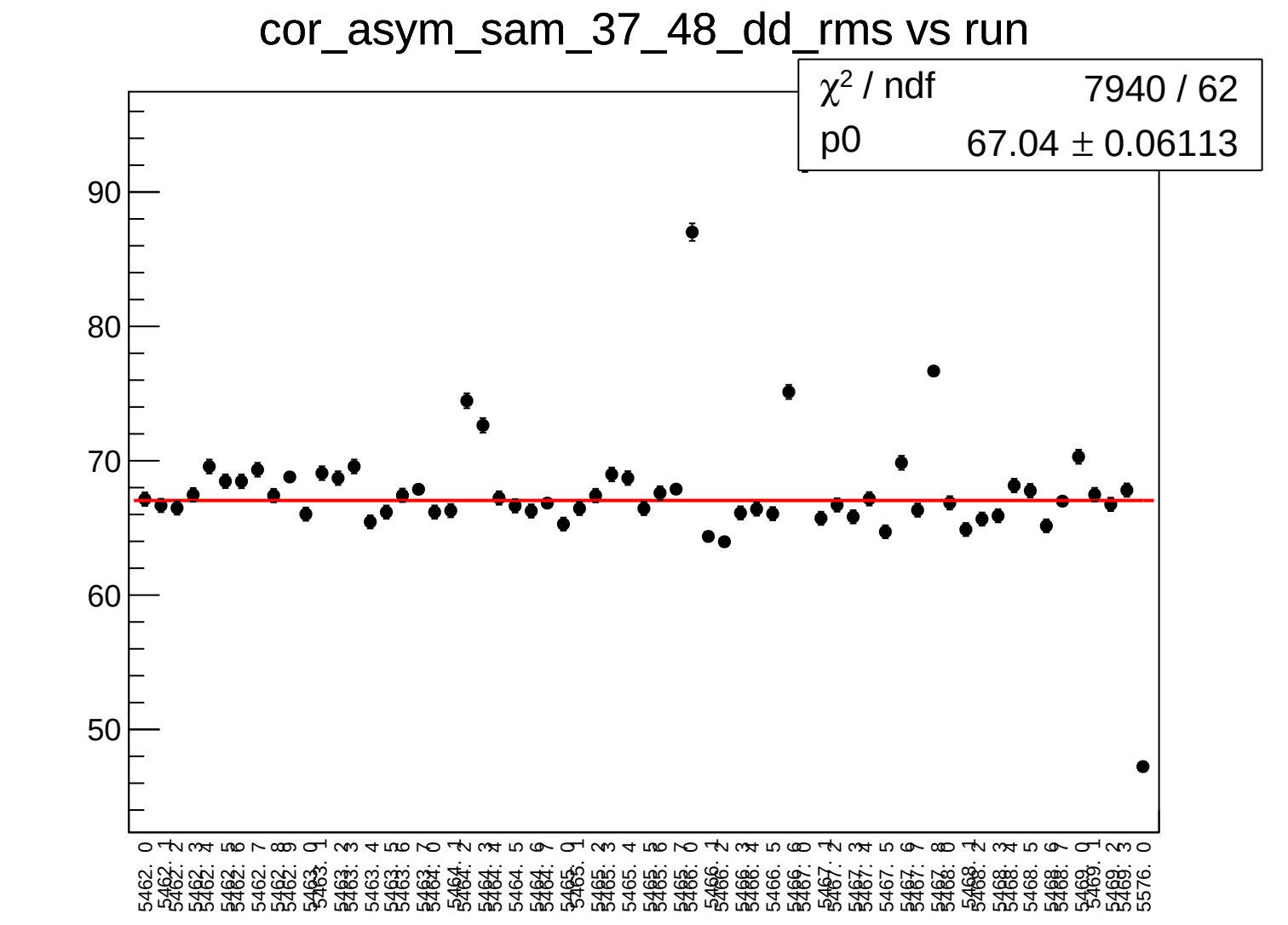

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 78.23 / 62
p0 −287.3 ± 281.2
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −320
Std Dev 0

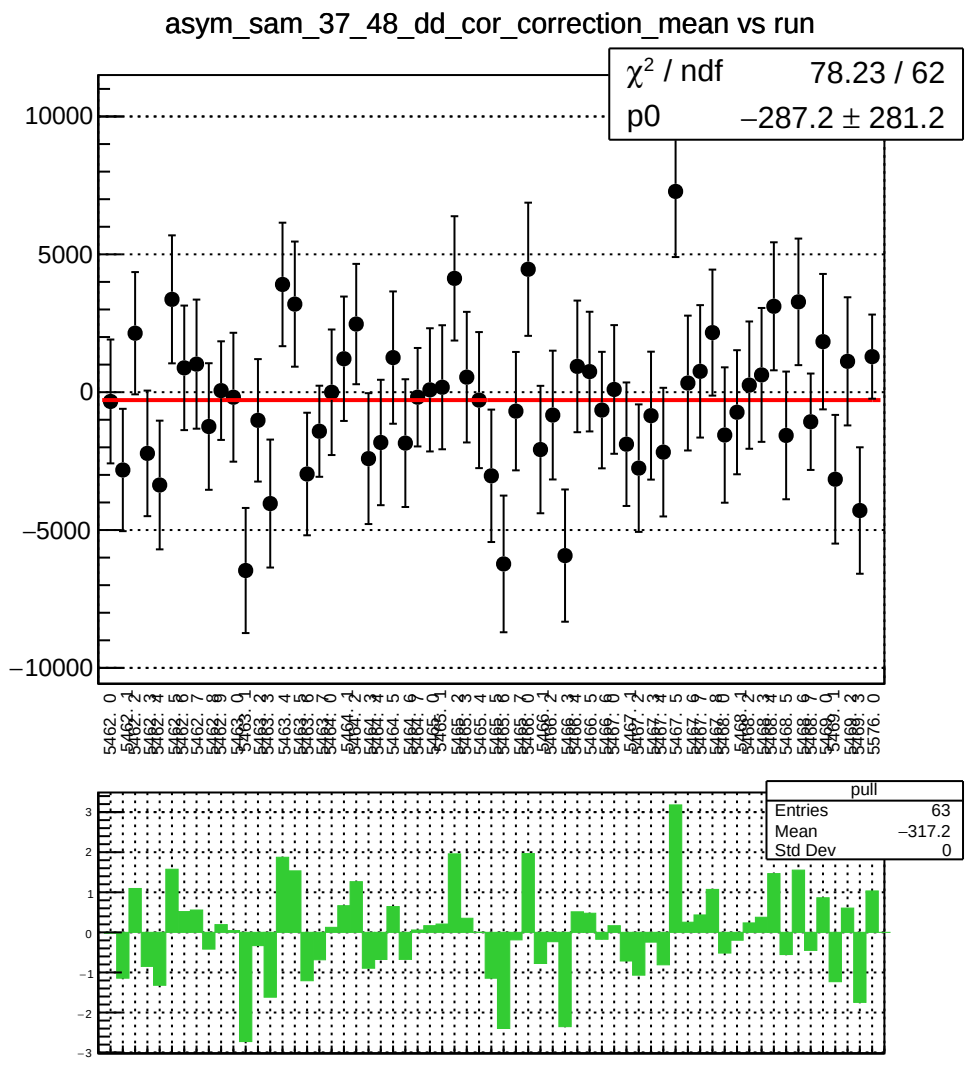

pull1D
Entries 63
Mean −0.005062
Std Dev 1.114

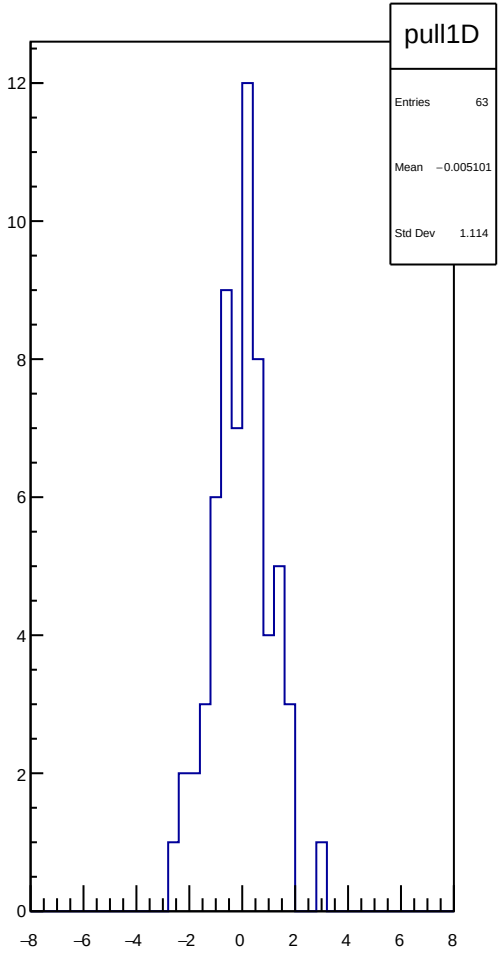

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 4122 / 62
p0 218.4 ± 0.1988
260
240
220
200
180
160

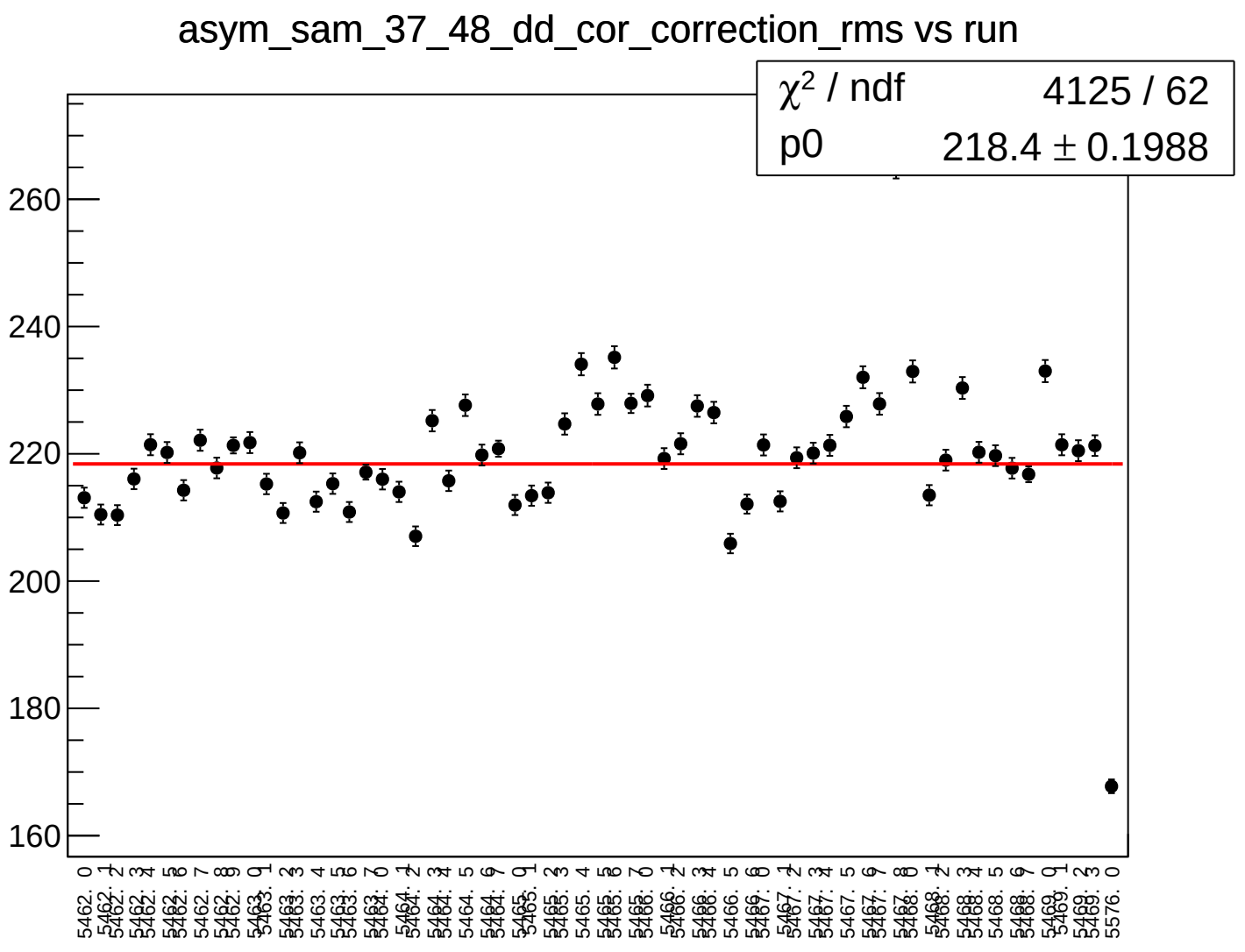

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 54.66 / 62
p0 −102.2 ± 86.45
2000
1000
0
−1000
−2000
pull
Entries 63
Mean 72.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

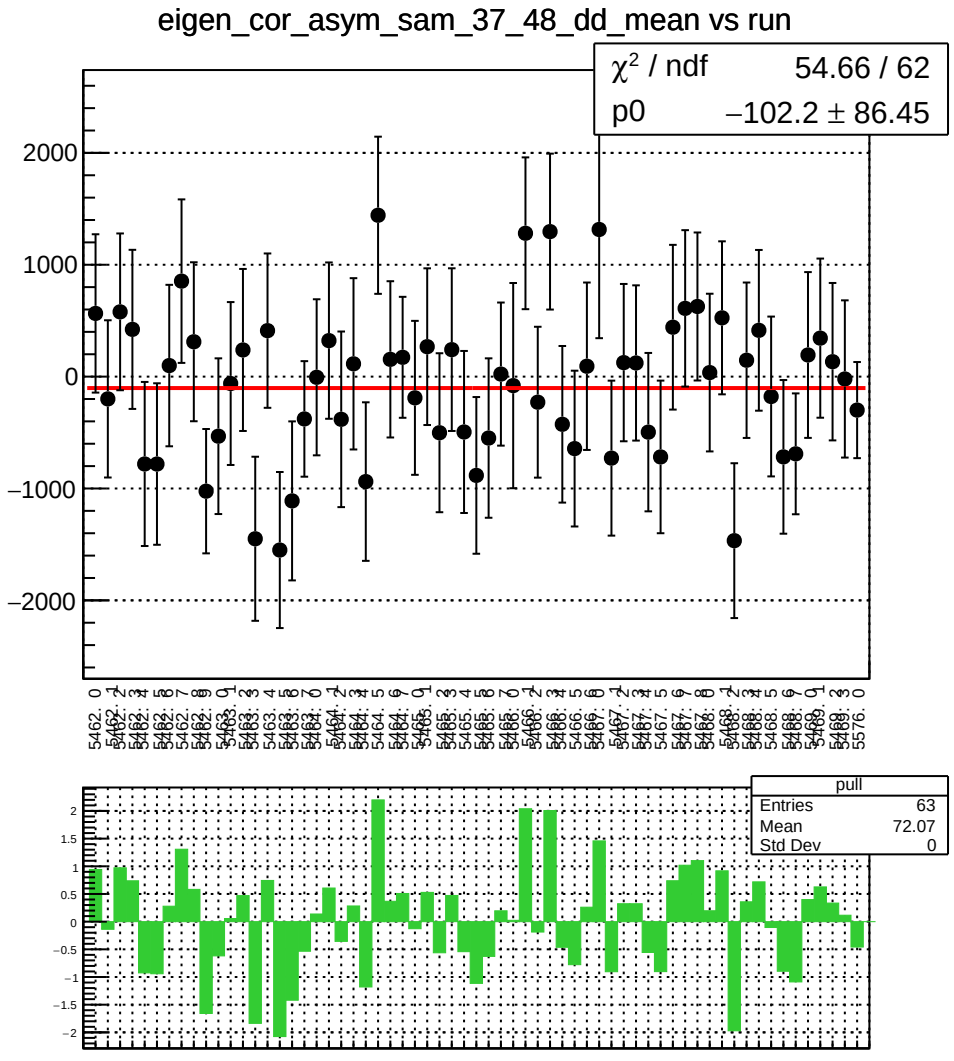

pull1D
Entries 63
Mean 0.02205
Std Dev 0.9312
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

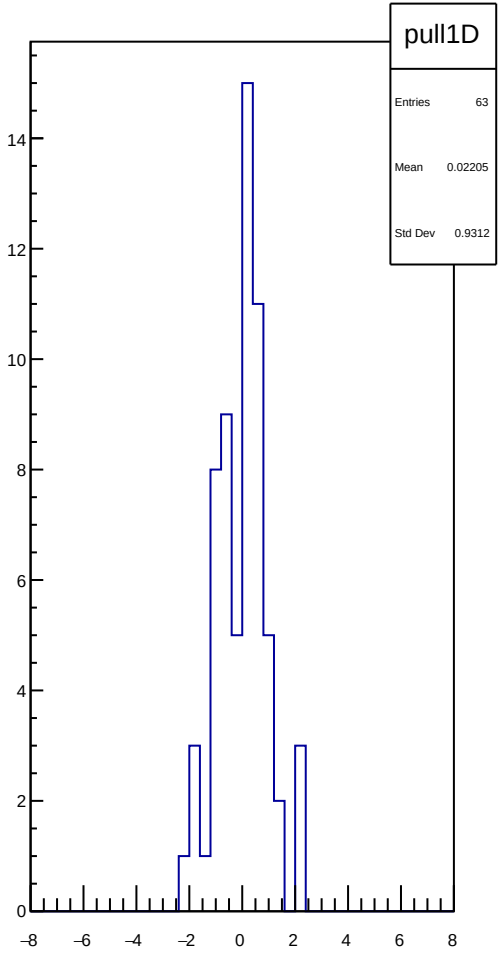

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 7940 / 62
p0 67.04 ± 0.06113
90
80
70
60
50

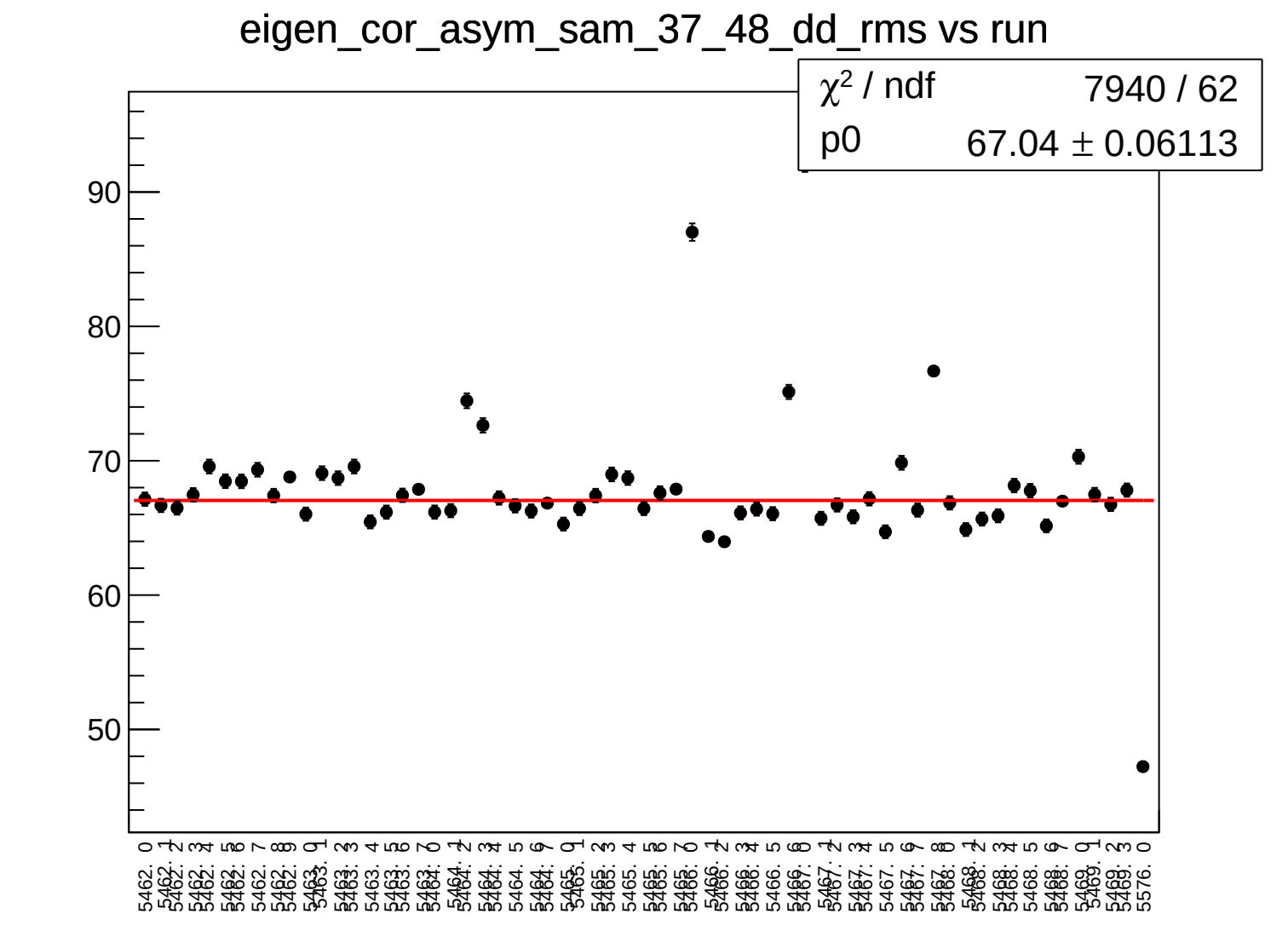

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 78.23 / 62
p0 −287.2 ± 281.2
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −317.2
Std Dev 0

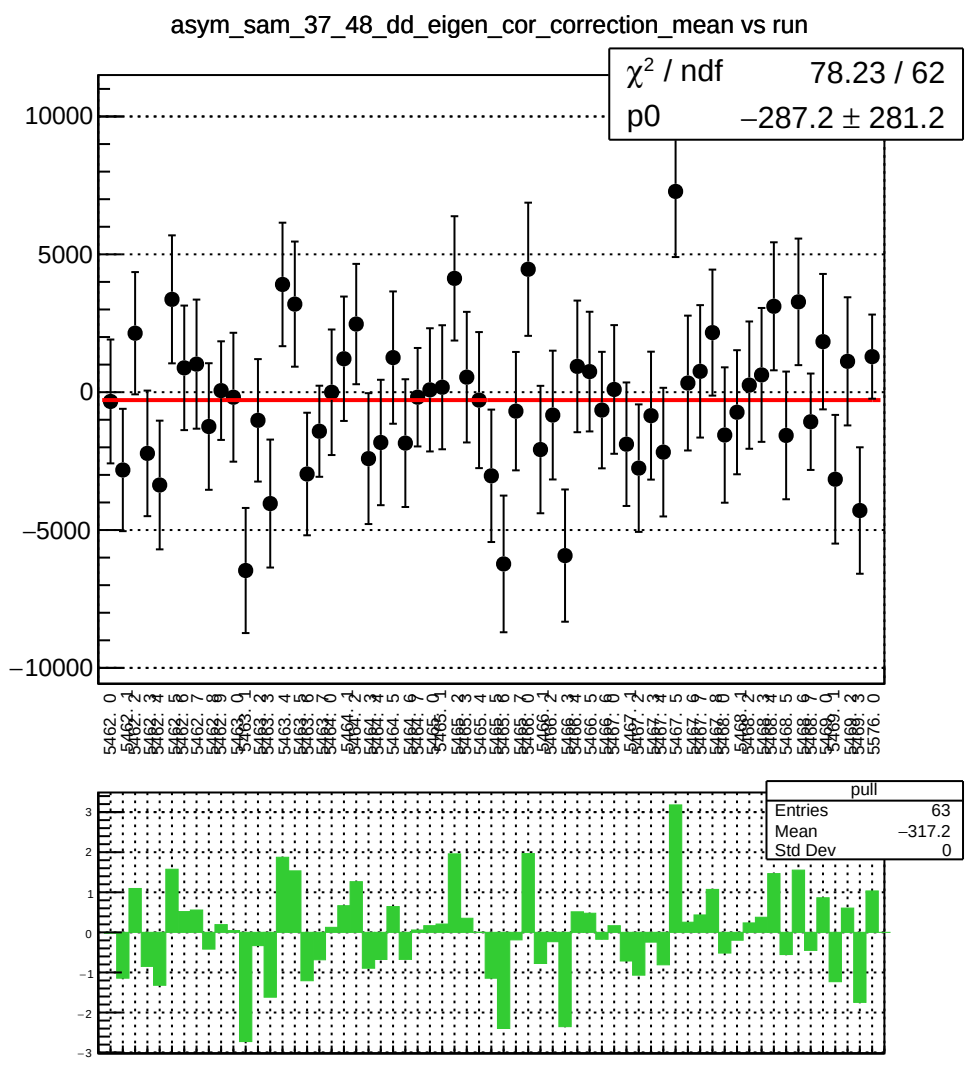

pull1D
Entries 63
Mean −0.005101
Std Dev 1.114

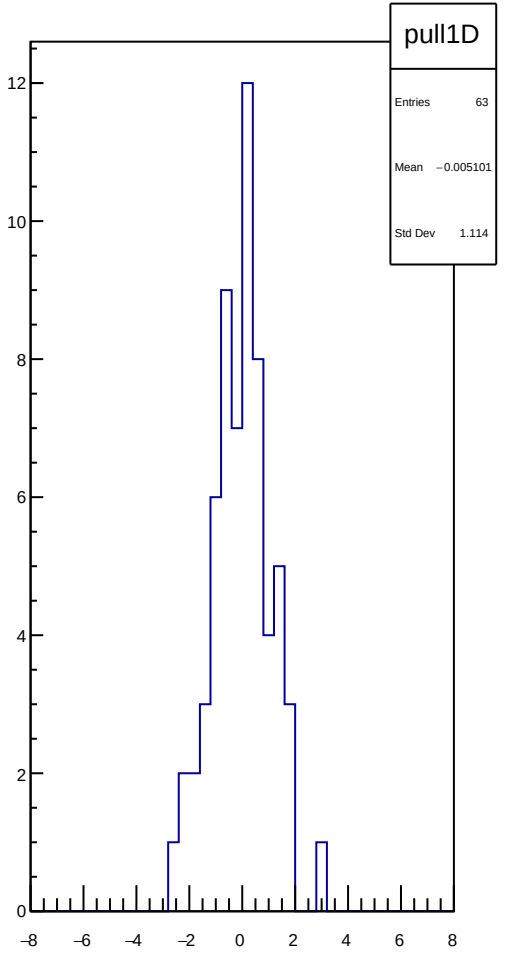

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4125 / 62
p0 218.4 ± 0.1988
260
240
220
200
180
160

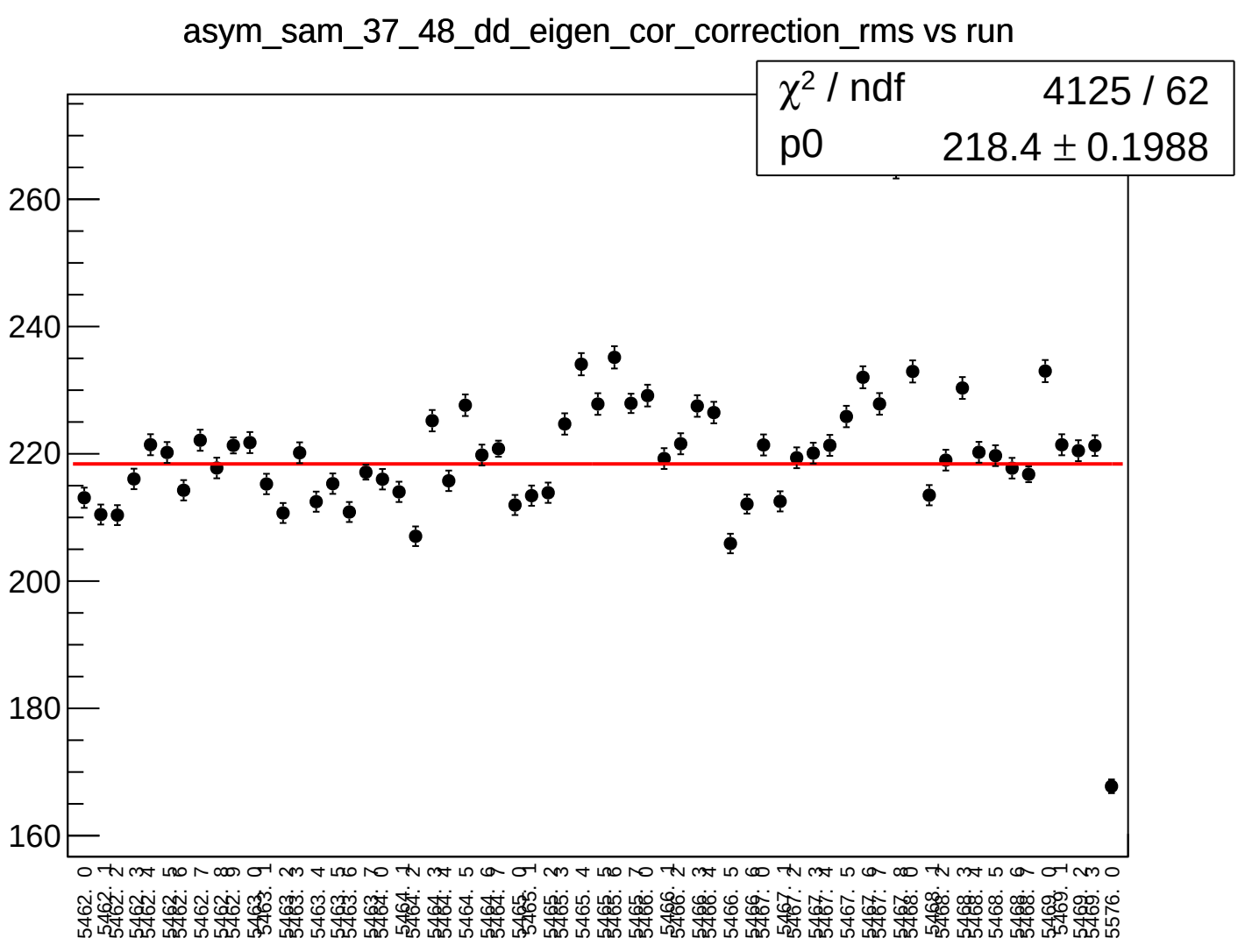

eigen_cor_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 54.66 / 62
p0 −102.2 ± 86.45
2000
1000
0
−1000
−2000
pull
Entries 63
Mean 72.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

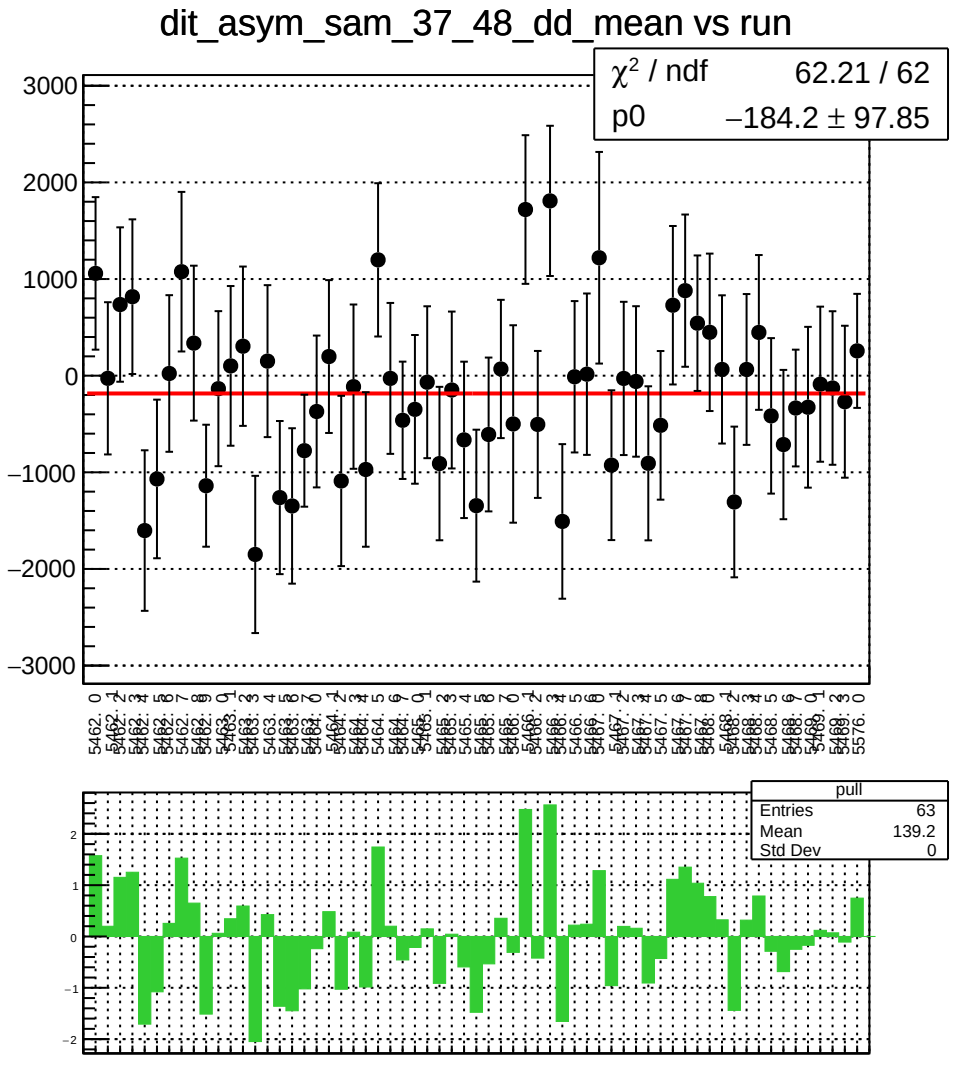

pull1D
Entries 63
Mean 0.02205
Std Dev 0.9312
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

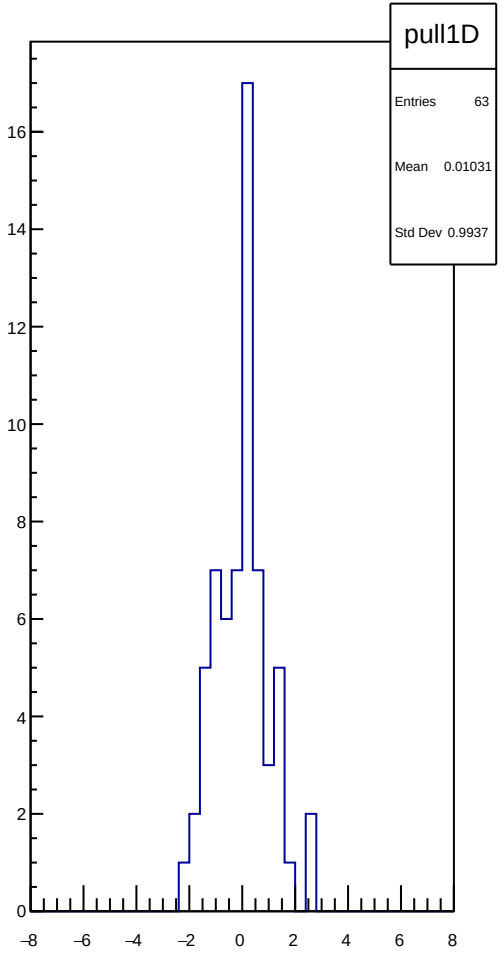

eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 7940 / 62
p0 67.04 ± 0.06113
90
80
70
60
50

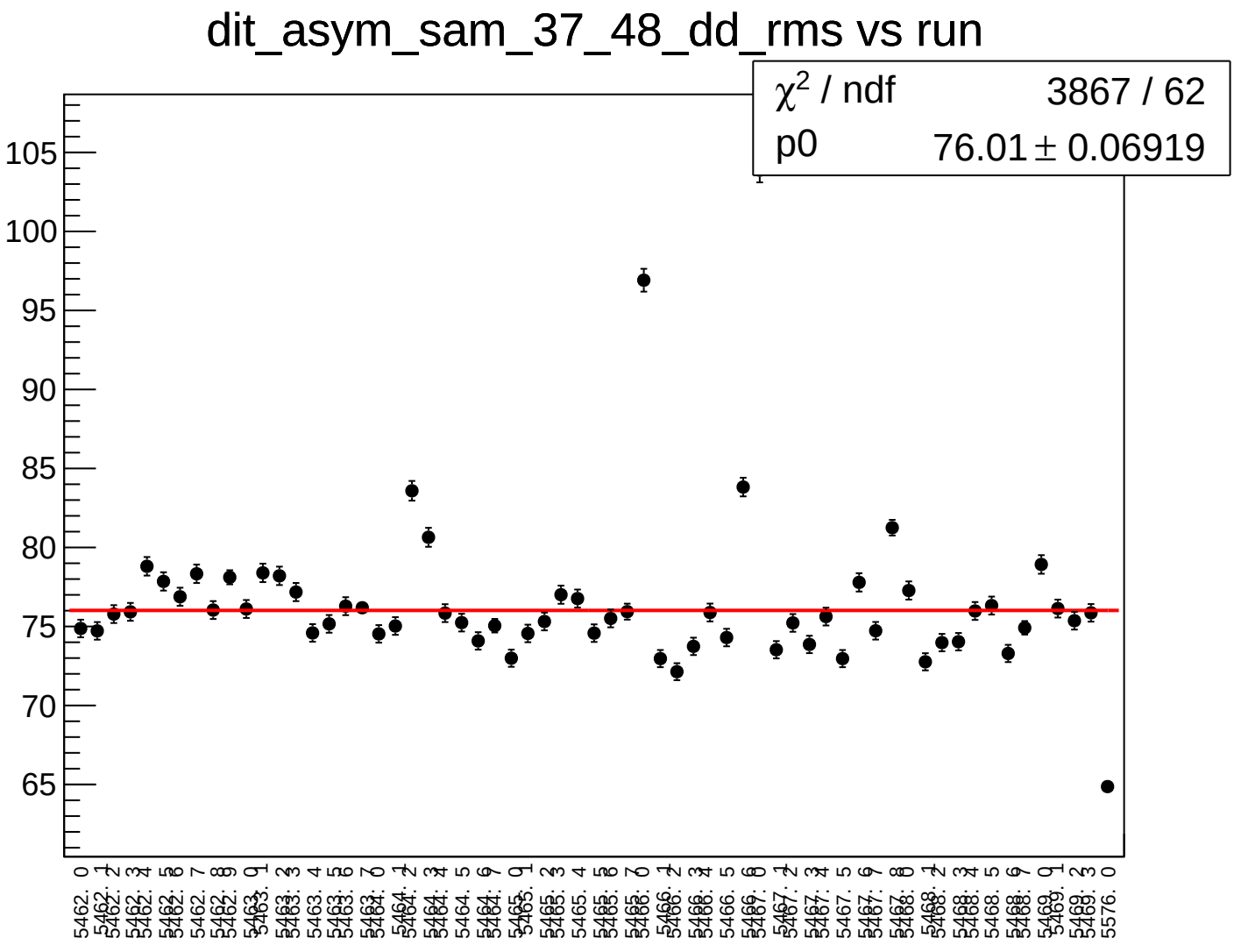

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.23 / 62
p0 −287.2 ± 281.2
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −317.2
Std Dev 0

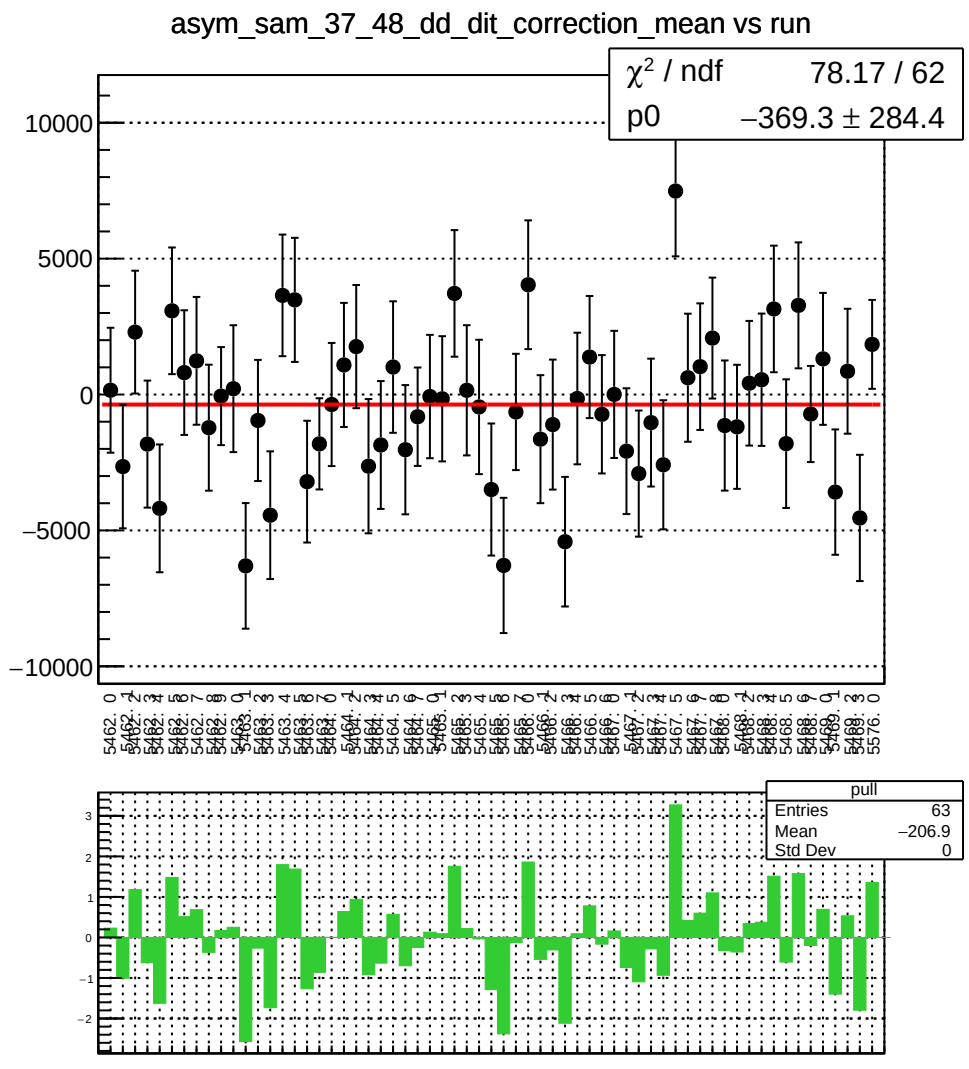

pull1D
Entries 63
Mean −0.005101
Std Dev 1.114

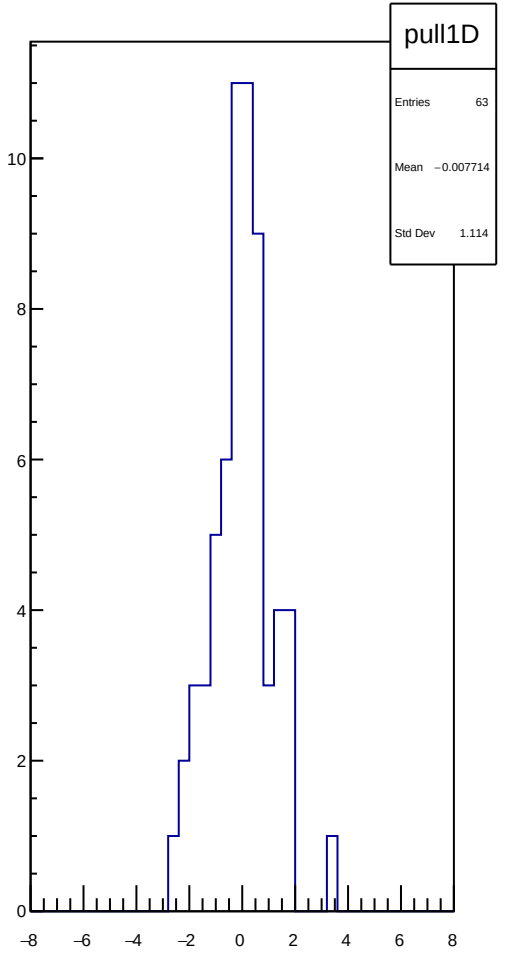

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4125 / 62
p0 218.4 ± 0.1988
260
240
220
200
180
160

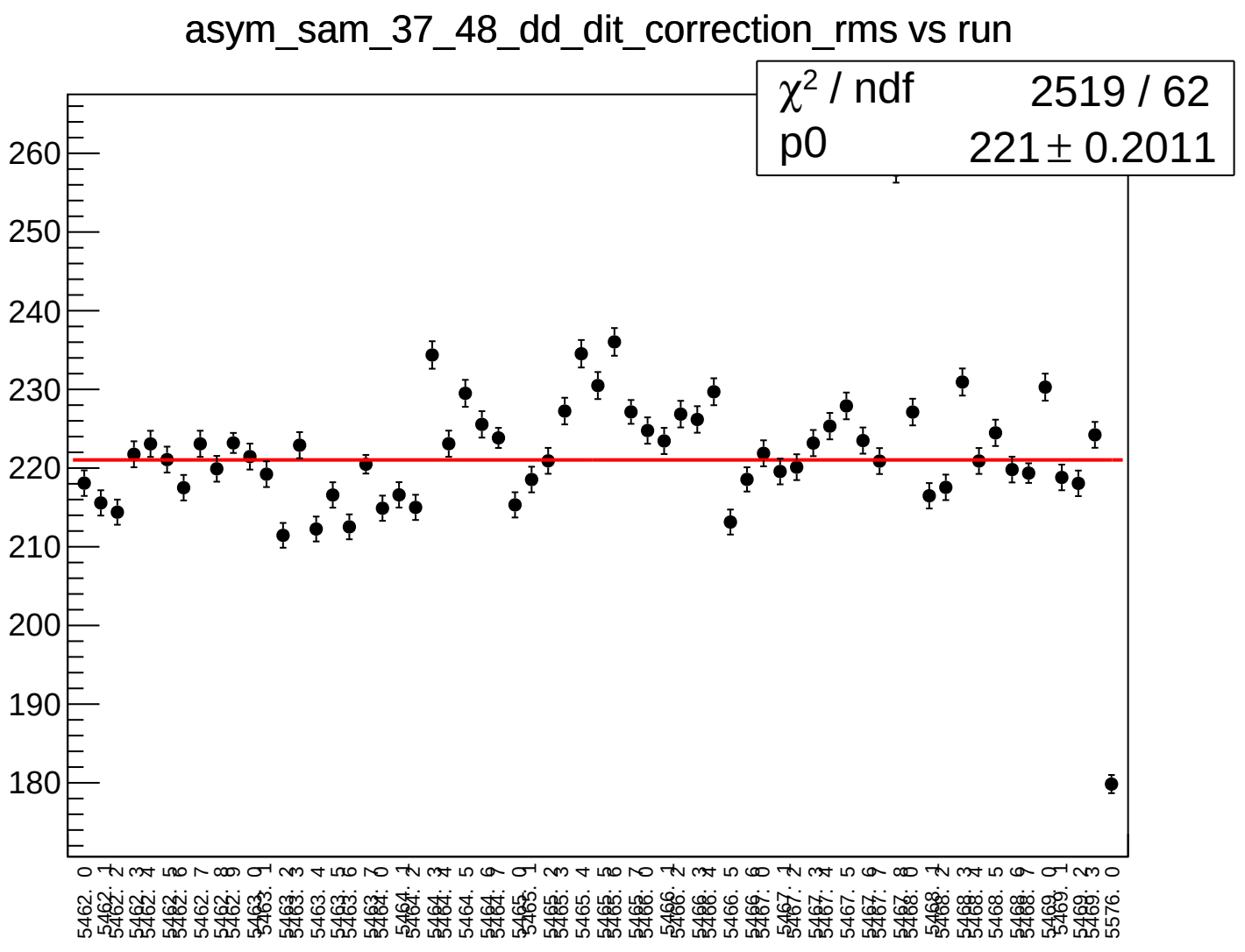

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 62.21 / 62
p0 −184.2 ± 97.85
pull
Entries 63
Mean 139.2
Std Dev 0

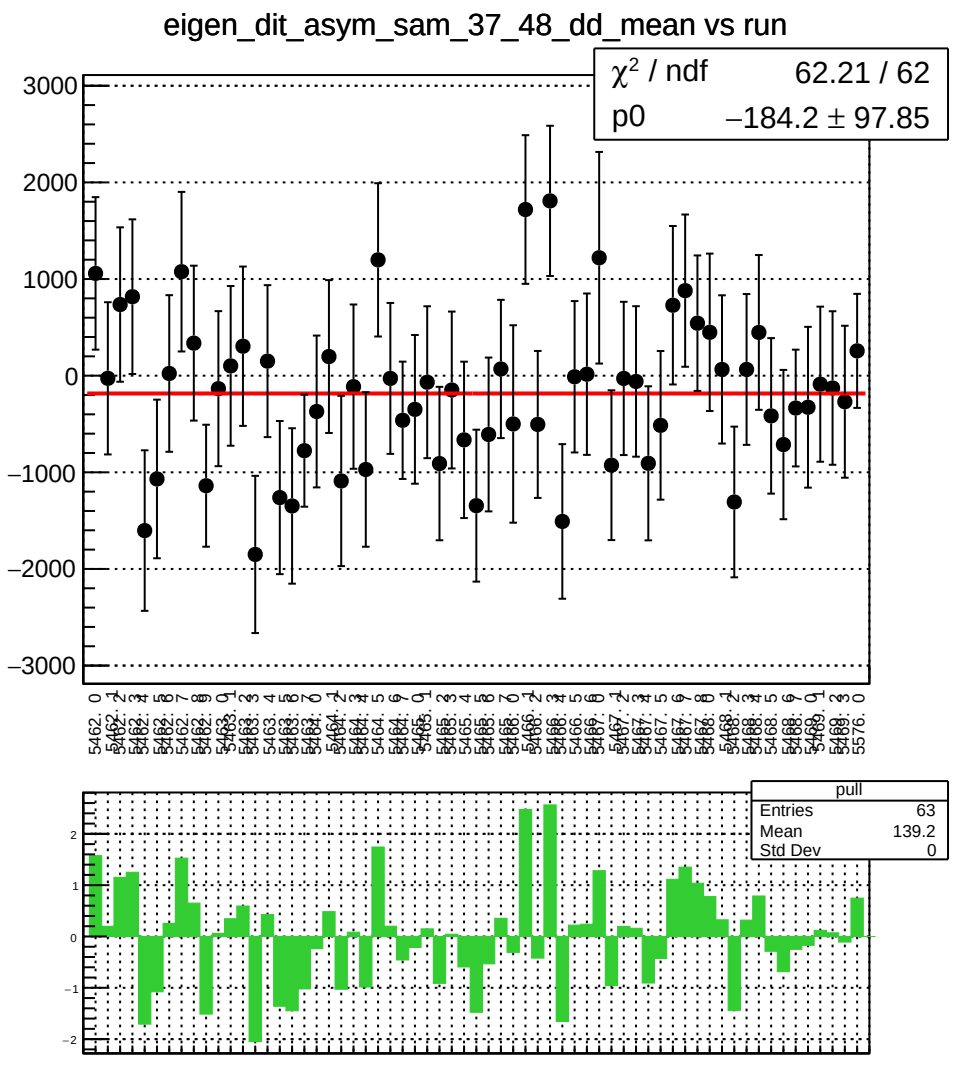

pull1D
Entries 63
Mean 0.01031
Std Dev 0.9937

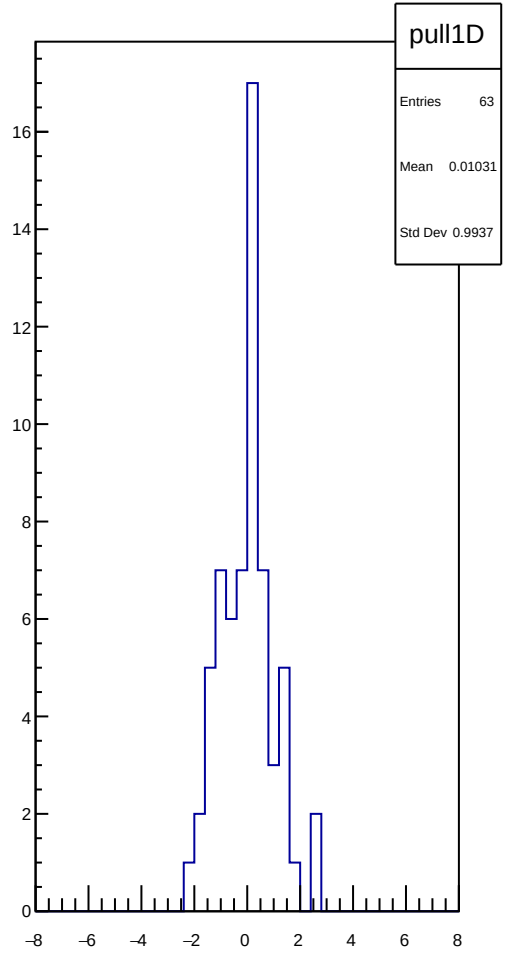

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3867 / 62
p0 76.01 ± 0.06919
105
100
95
90
85
80
75
70
65

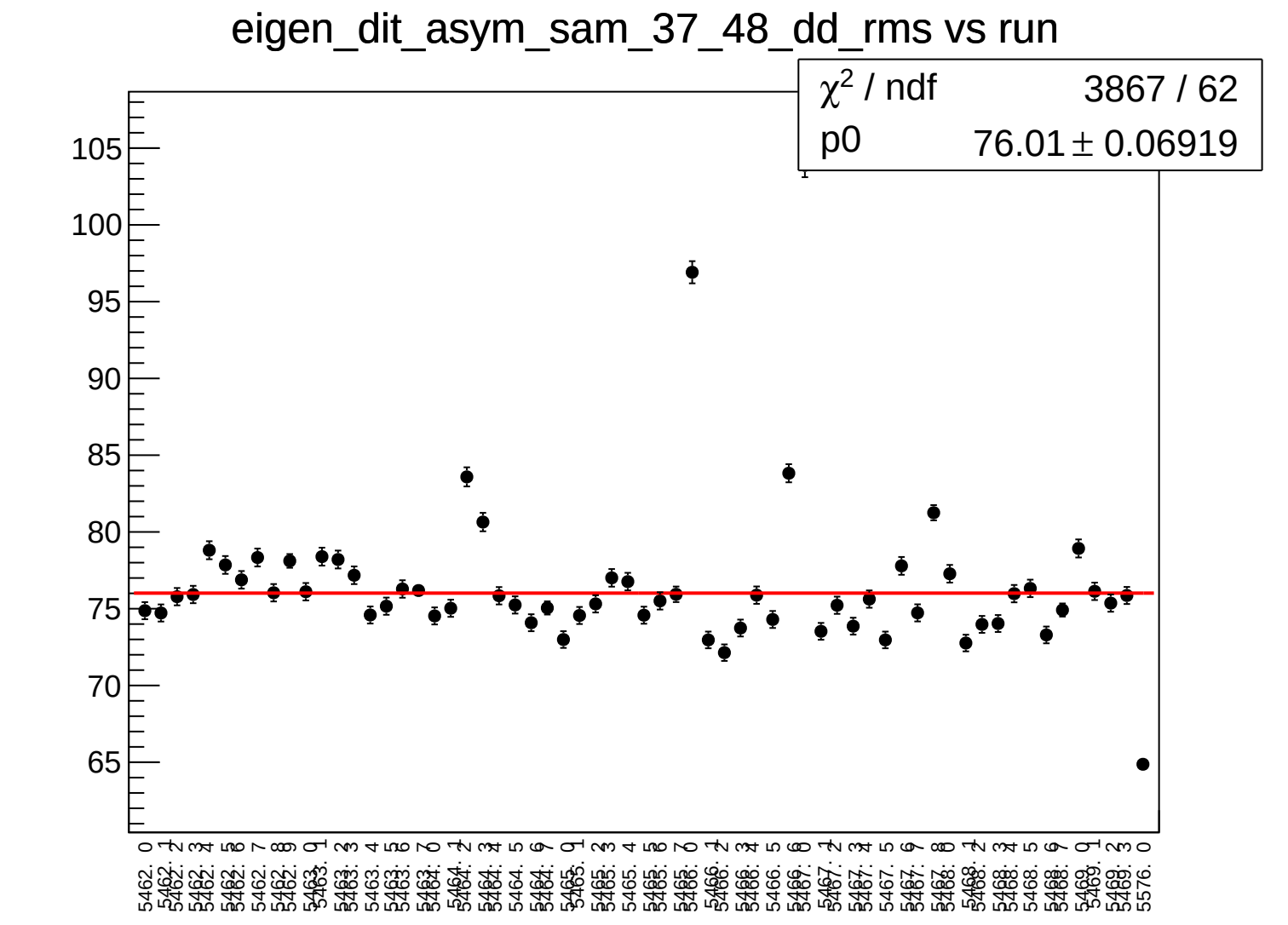

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 78.17 / 62
p0 −369.3 ± 284.4
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −206.9
Std Dev 0
3
2
1
0
−1
−2

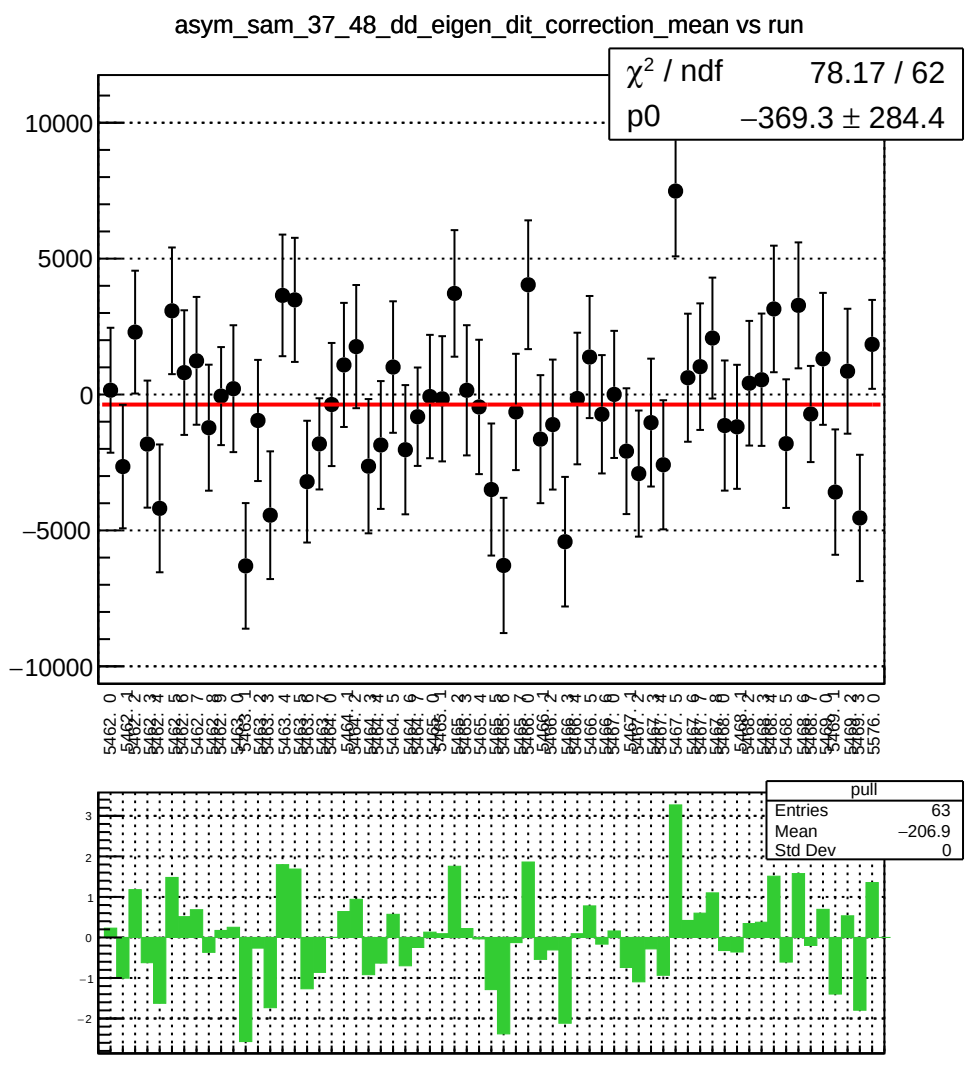

pull1D
Entries 63
Mean −0.007714
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

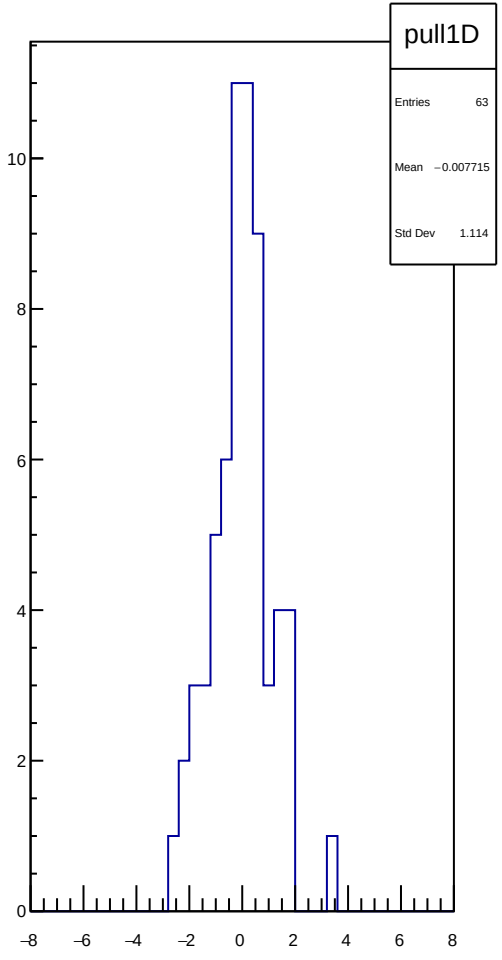

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 2519 / 62
p0 221 ± 0.2011
260
250
240
230
220
210
200
190
180

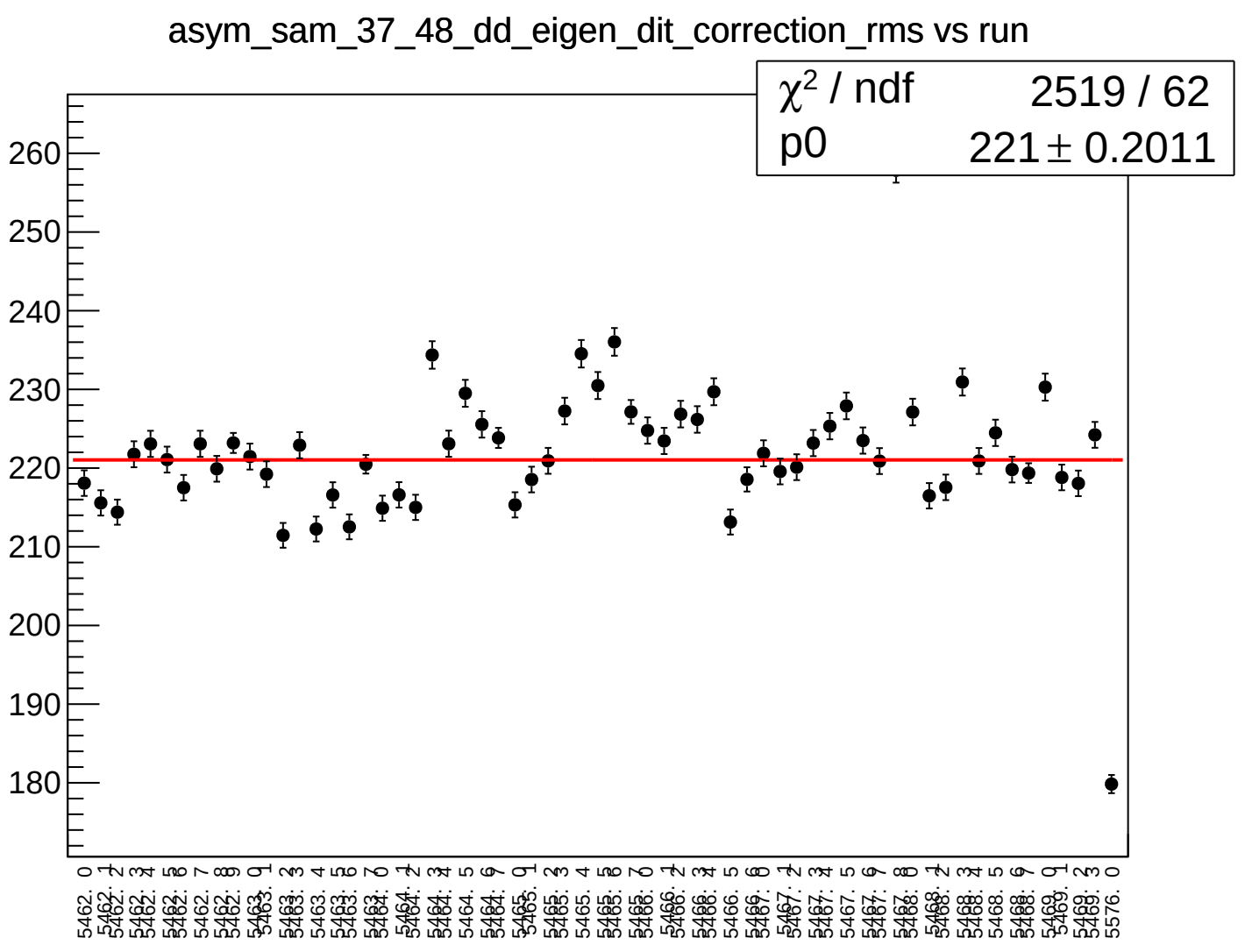

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 62.21 / 62
p0 −184.2 ± 97.85
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 63
Mean 139.2
Std Dev 0
2
1
0
−1
−2

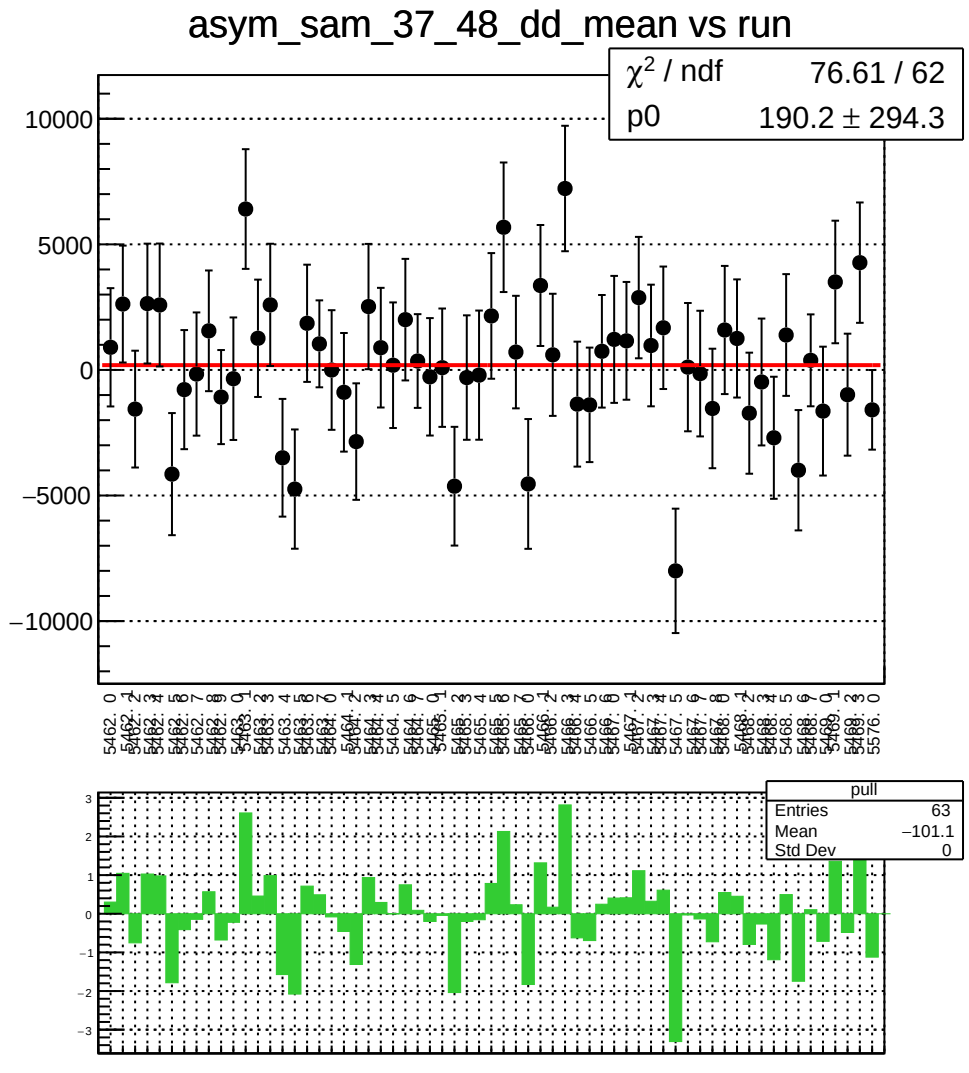

pull1D
Entries 63
Mean 0.01031
Std Dev 0.9937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

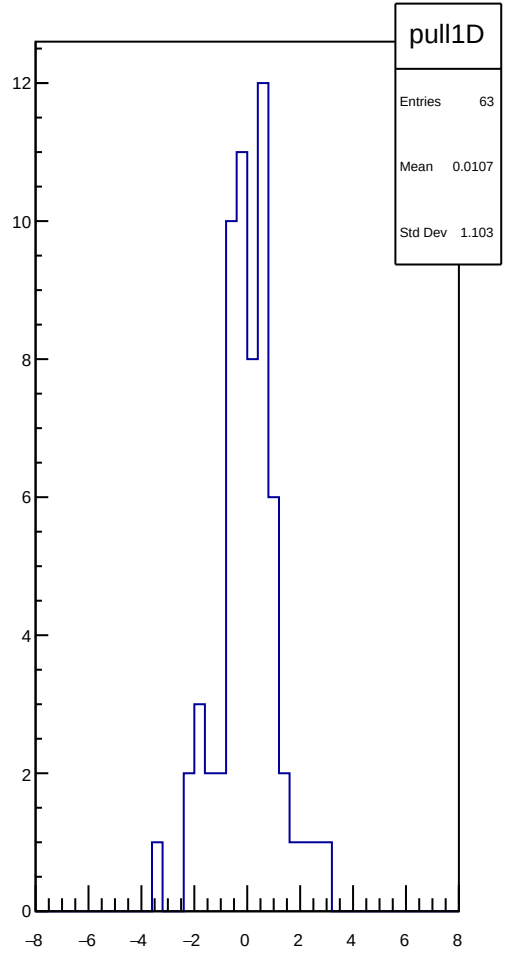

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3867 / 62
p0 76.01 ± 0.06919
105
100
95
90
85
80
75
70
65

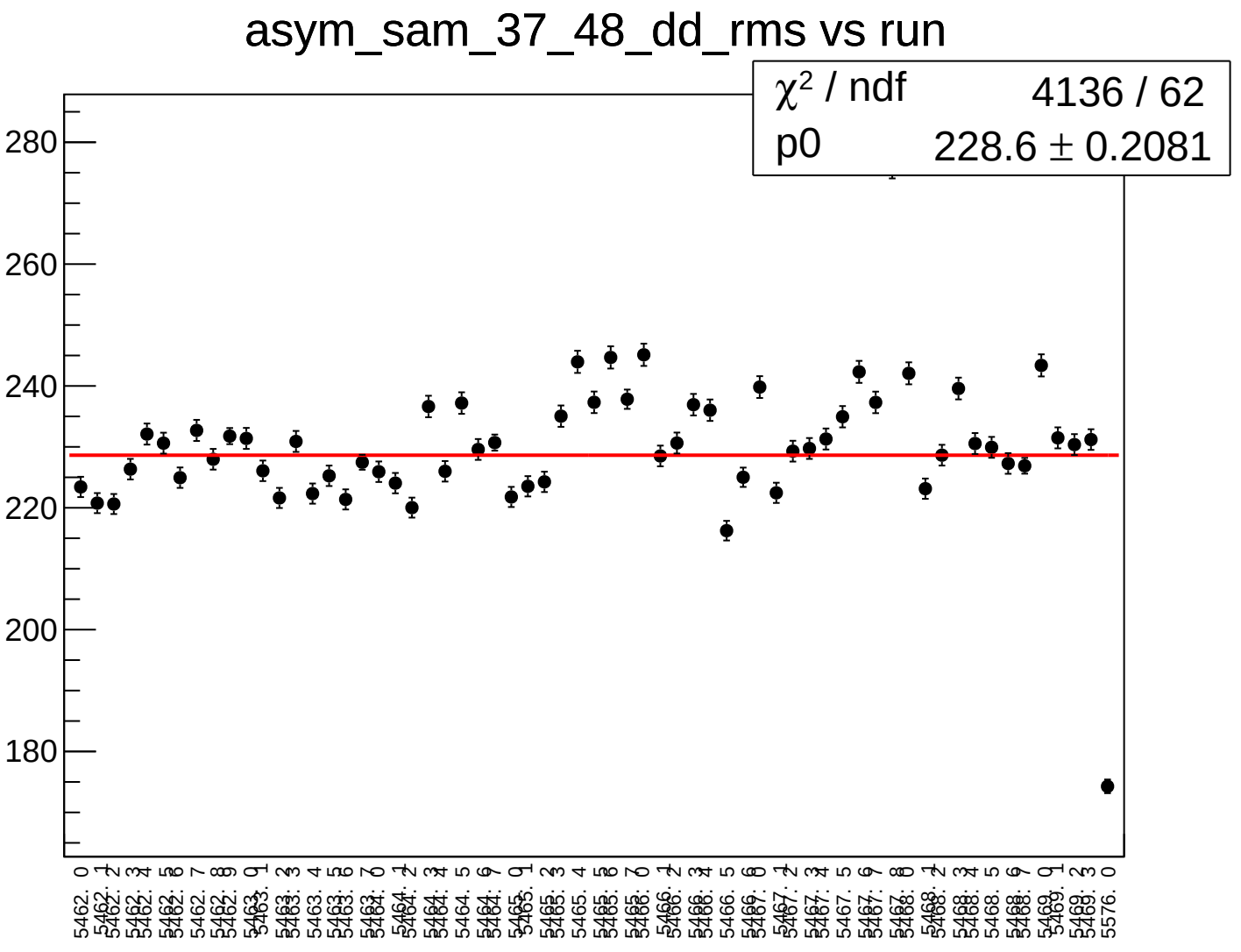

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.17 / 62
p0 −369.3 ± 284.4
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −206.9
Std Dev 0
3
2
1
0
−1
−2

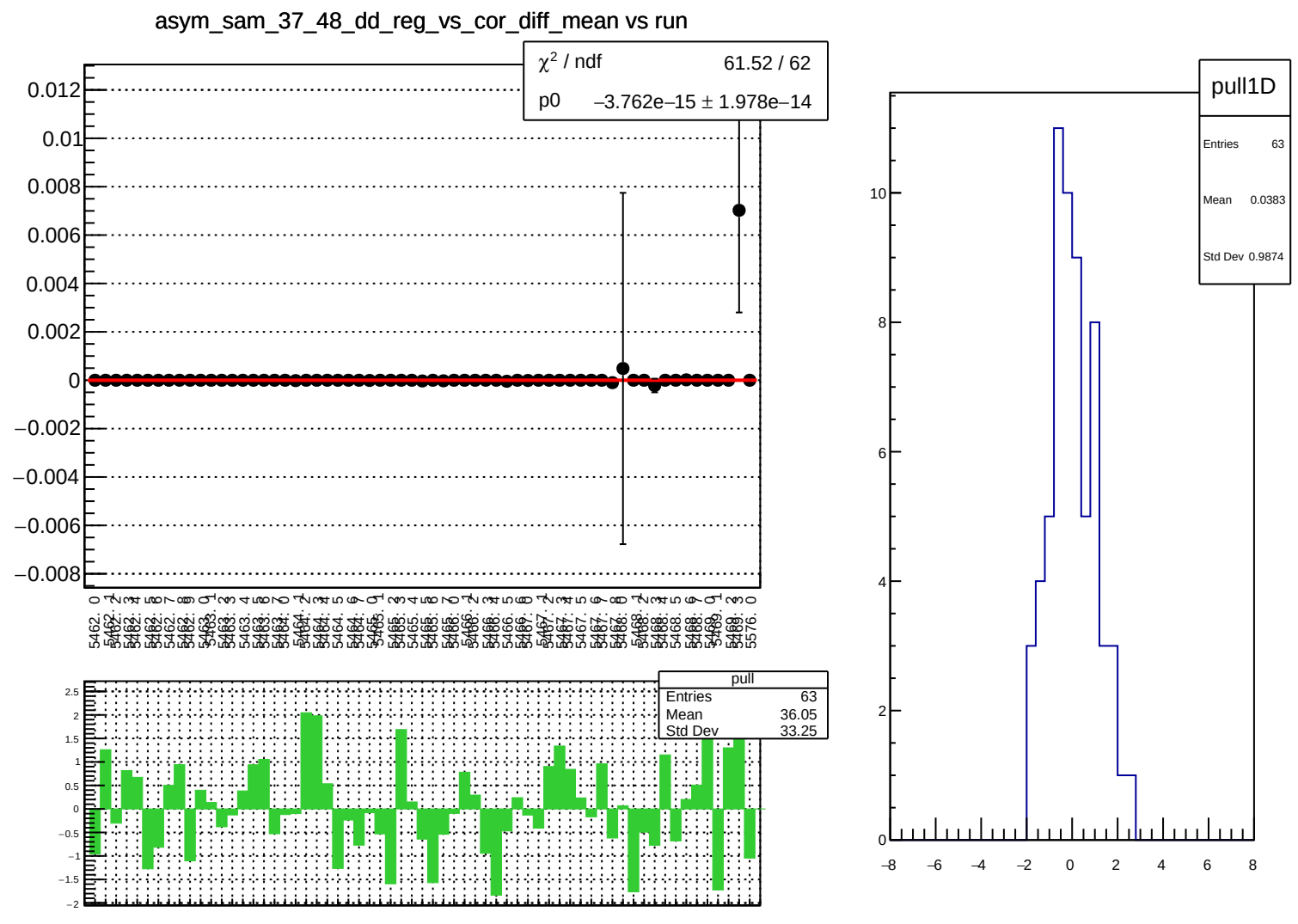

pull1D
Entries 63
Mean −0.007715
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

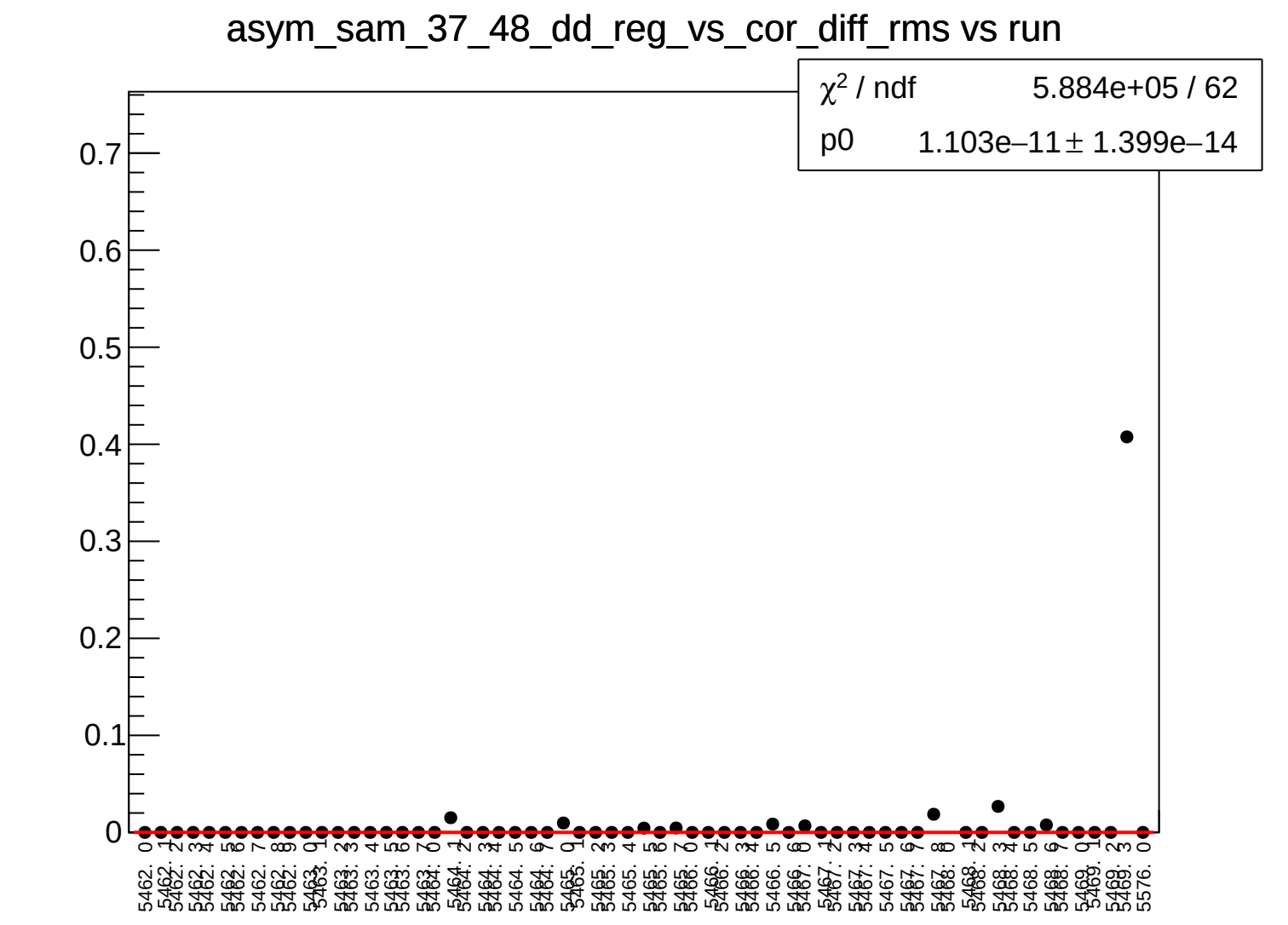

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2519 / 62
p0 221 ± 0.2011
260
250
240
230
220
210
200
190
180

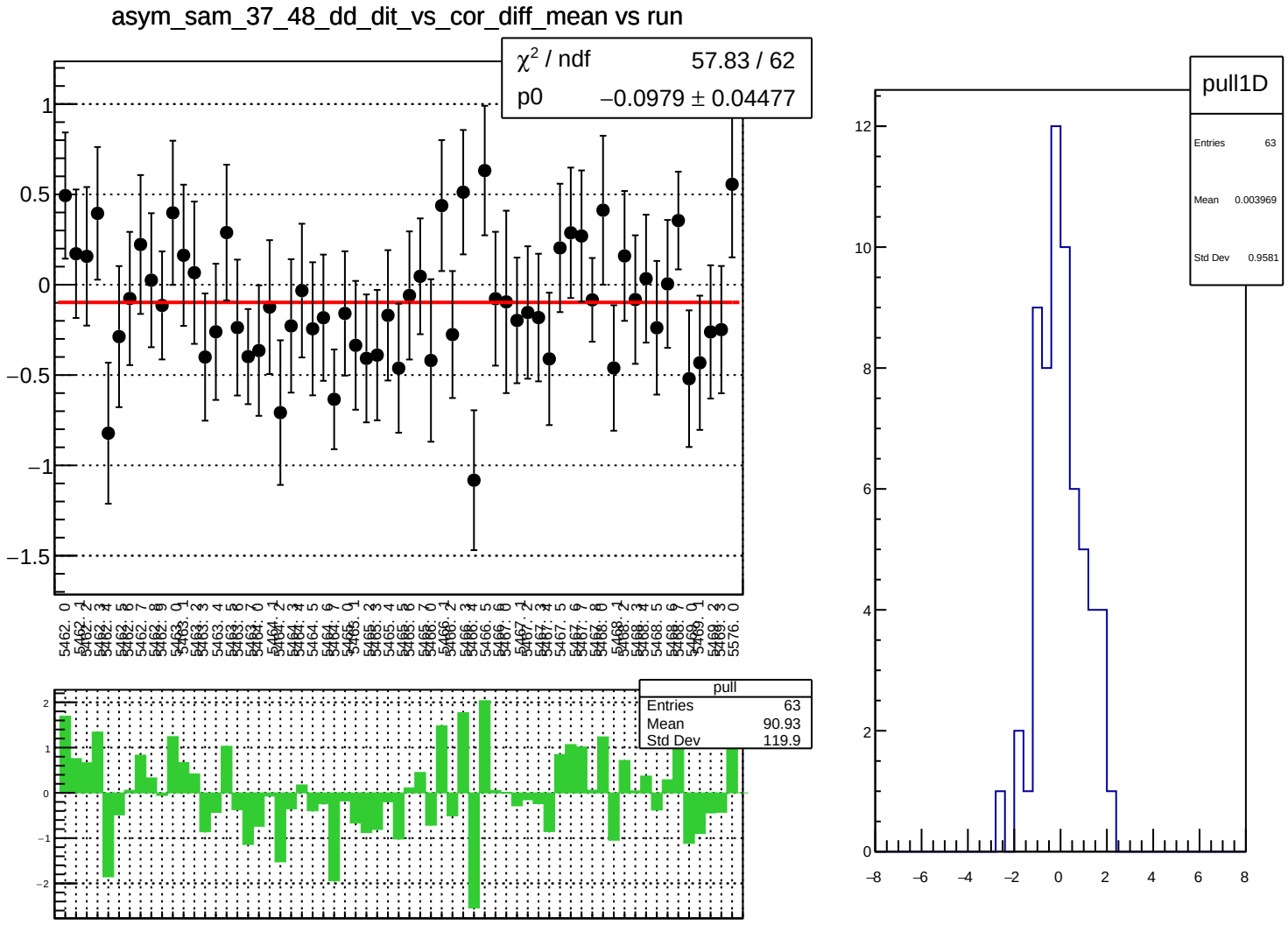

asym_sam_37_48_dd_mean vs run
χ² / ndf 76.61 / 62
p0 190.2 ± 294.3
10000
5000
0
−5000
−10000
pull
Entries 63
Mean −101.1
Std Dev 0
3
2
1
0
−1
−2
−3

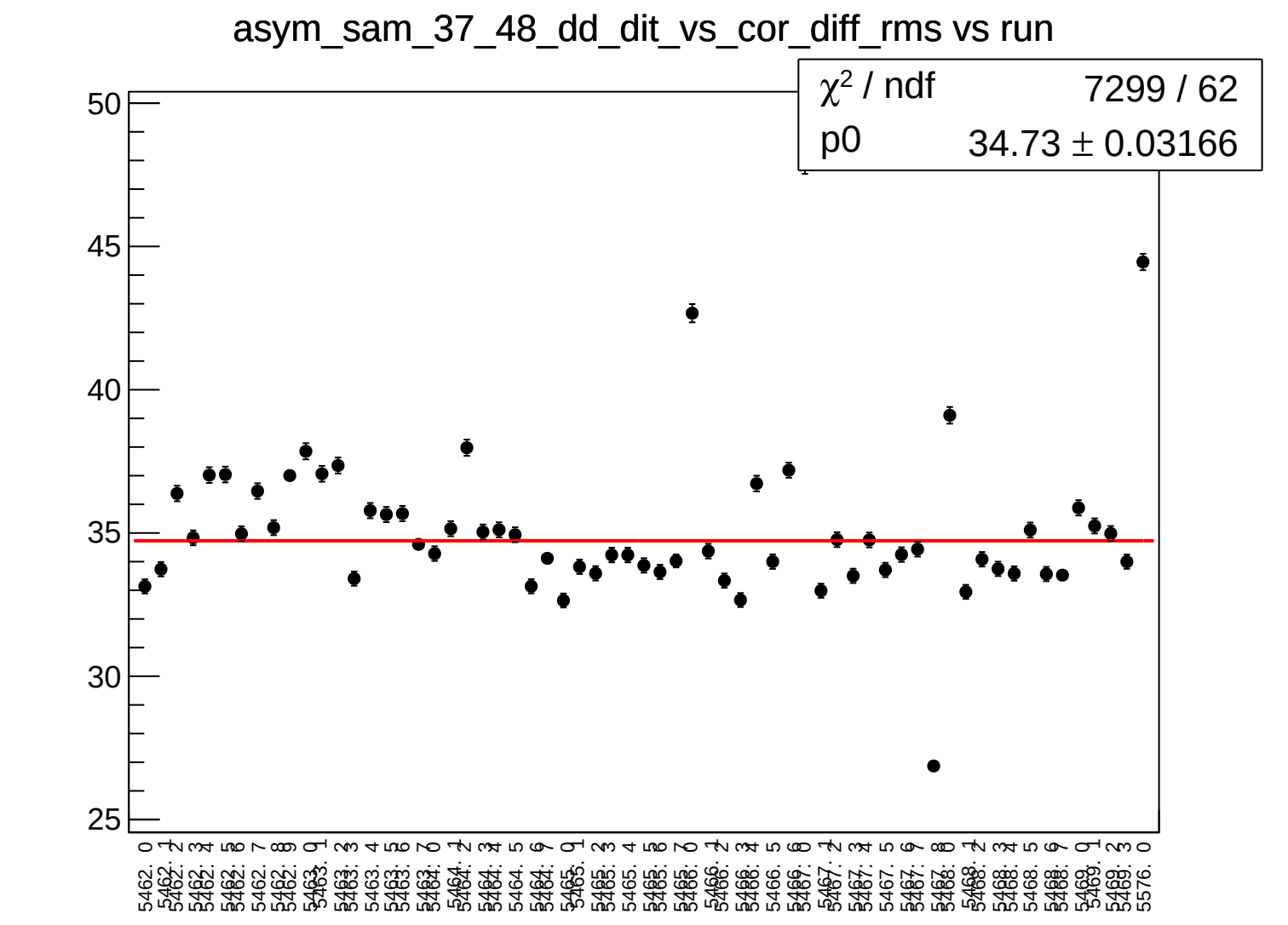

pull1D
Entries 63
Mean 0.0107
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

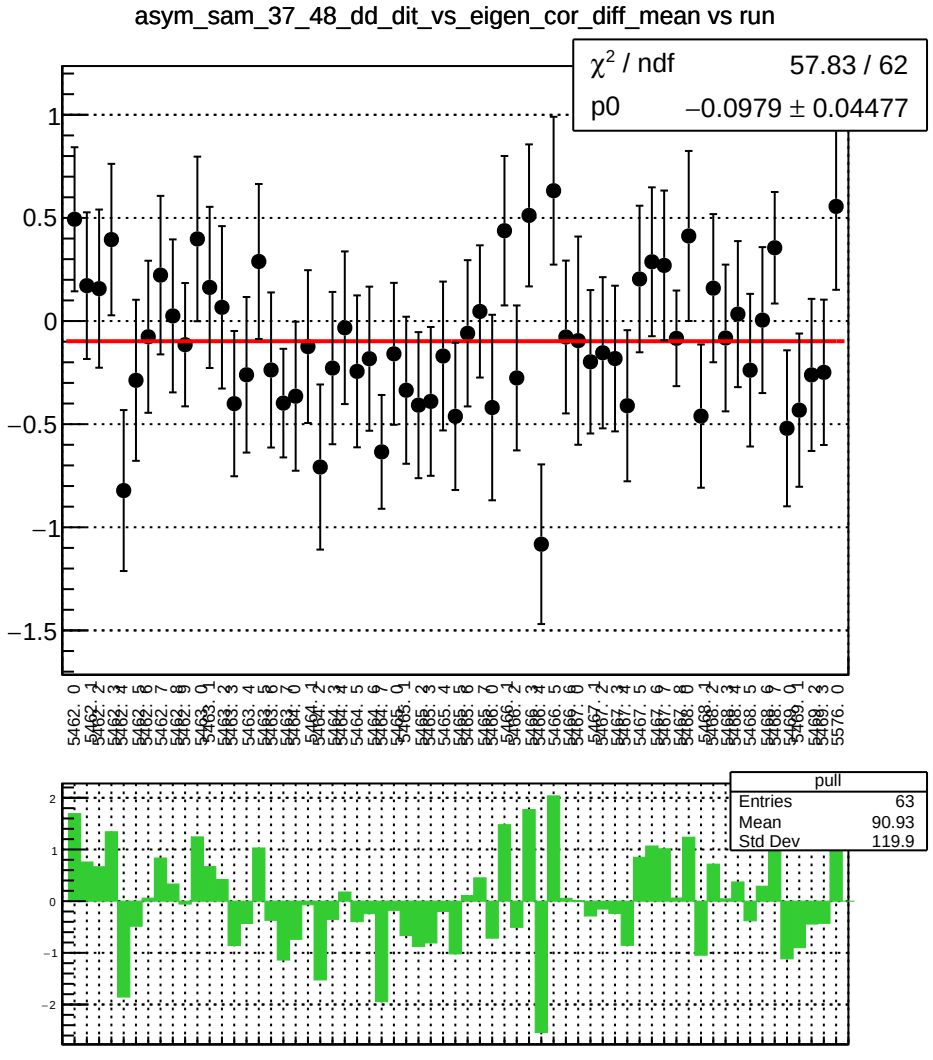

asym_sam_37_48_dd_rms vs run
χ² / ndf 4136 / 62
p0 228.6 ± 0.2081
280
260
240
220
200
180

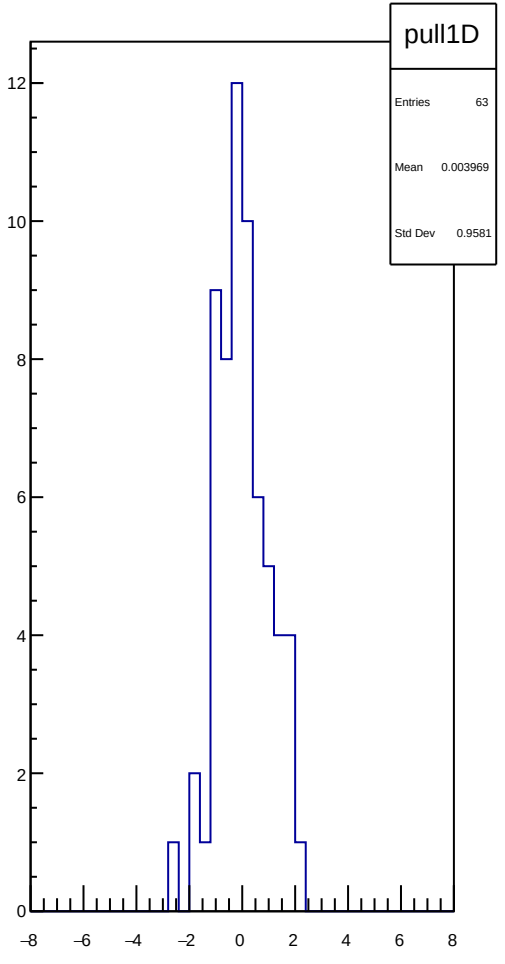

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.52 / 62
p0 −3.762e−15 ± 1.978e−14
pull
Entries 63
Mean 36.05
Std Dev 33.25
pull1D
Entries 63
Mean 0.0383
Std Dev 0.9874

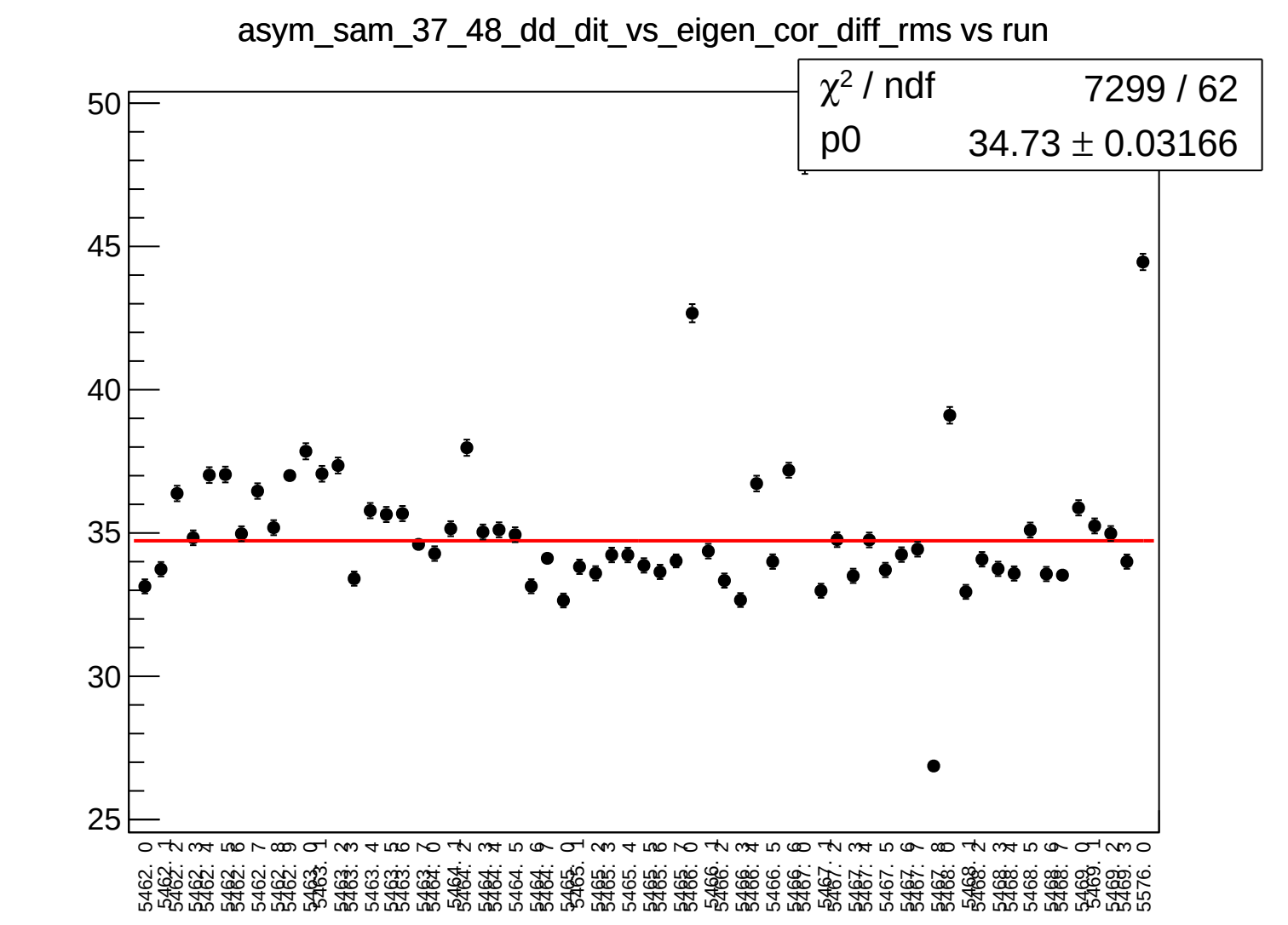

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.884e+05 / 62
p0 1.103e−11 ± 1.399e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

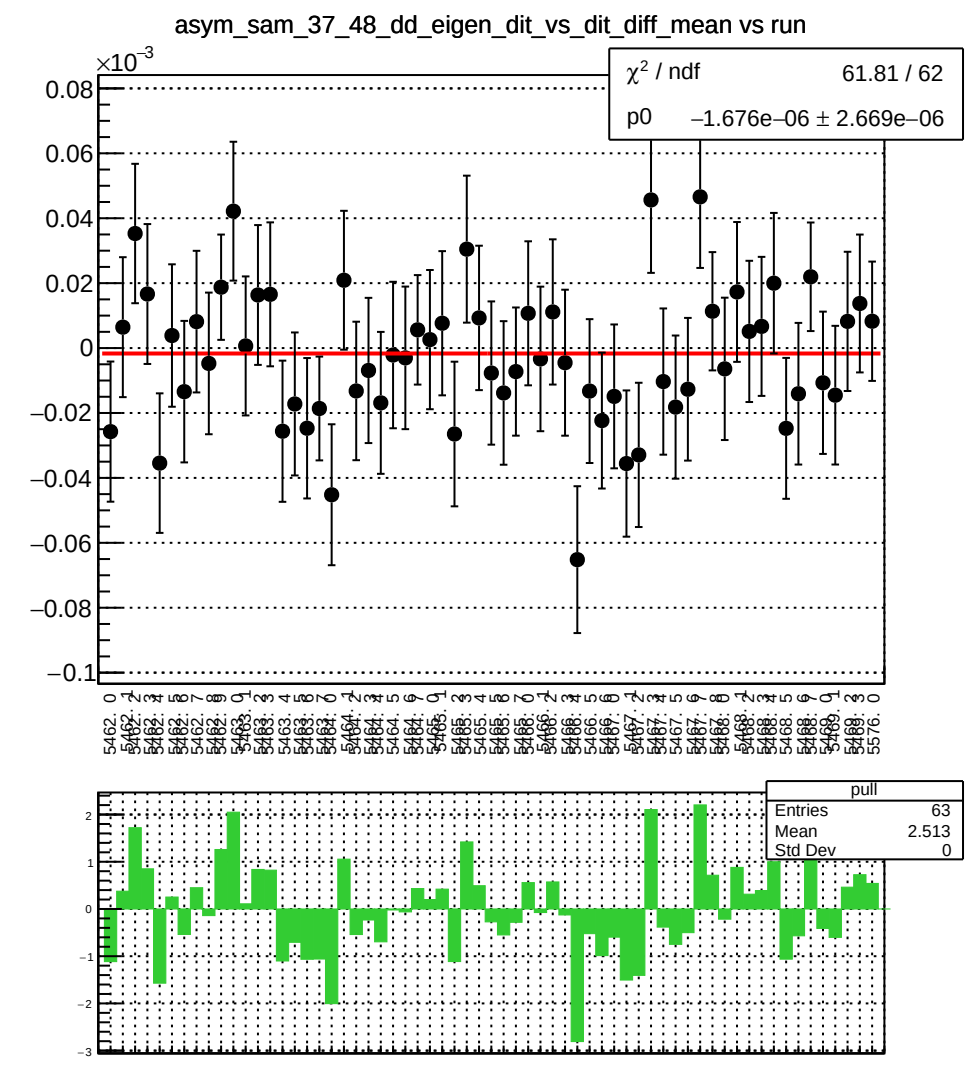

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.83 / 62
p0 −0.0979 ± 0.04477
pull
Entries 63
Mean 90.93
Std Dev 119.9
pull1D
Entries 63
Mean 0.003969
Std Dev 0.9581

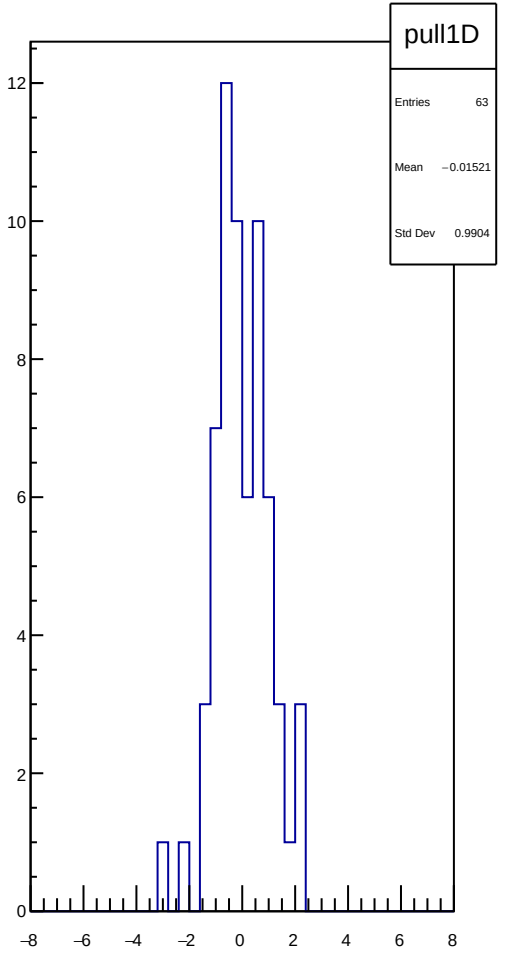

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7299 / 62
p0 34.73 ± 0.03166
50
45
40
35
30
25

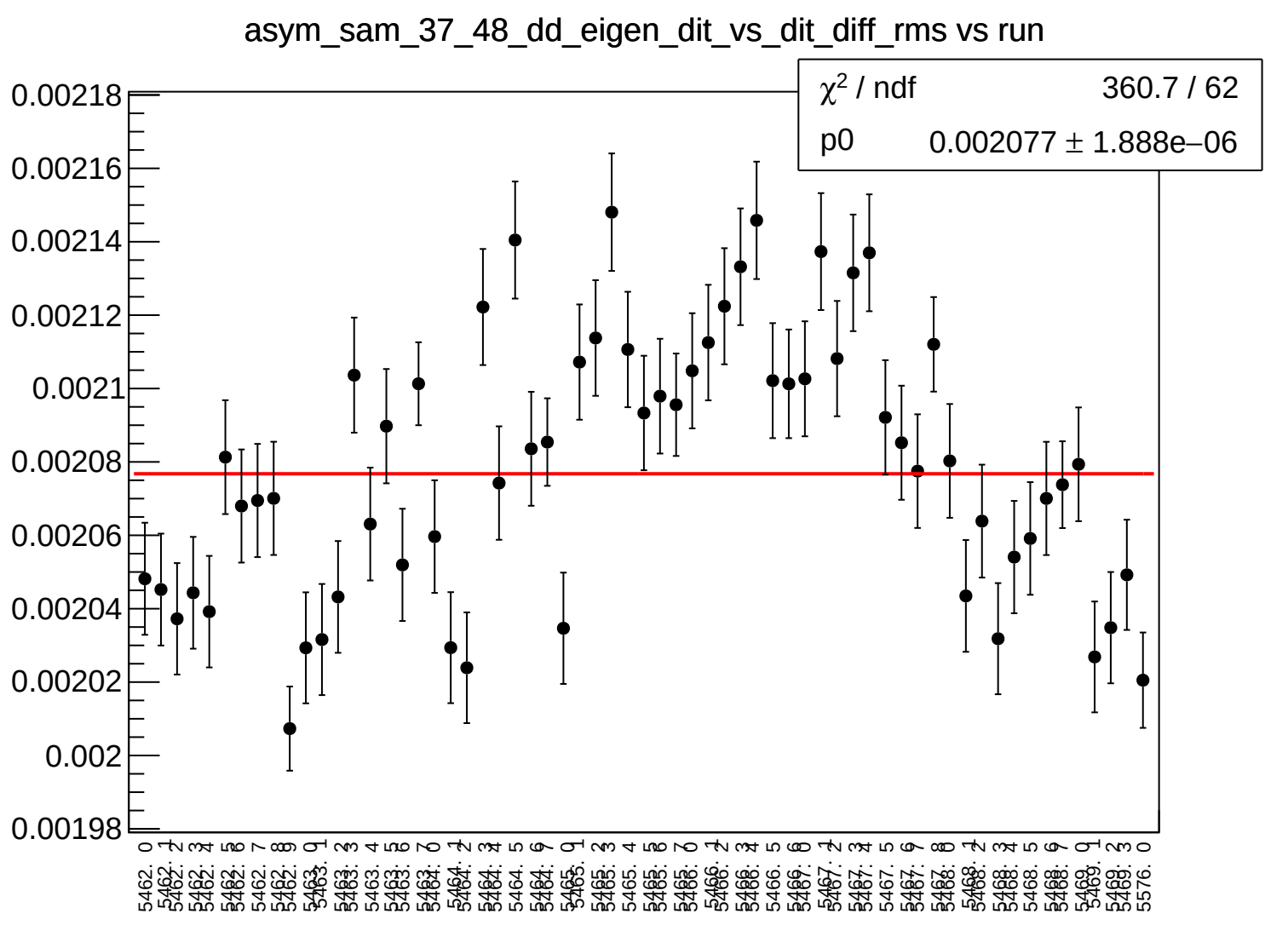

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.83 / 62
p0 −0.0979 ± 0.04477
pull
Entries 63
Mean 90.93
Std Dev 119.9

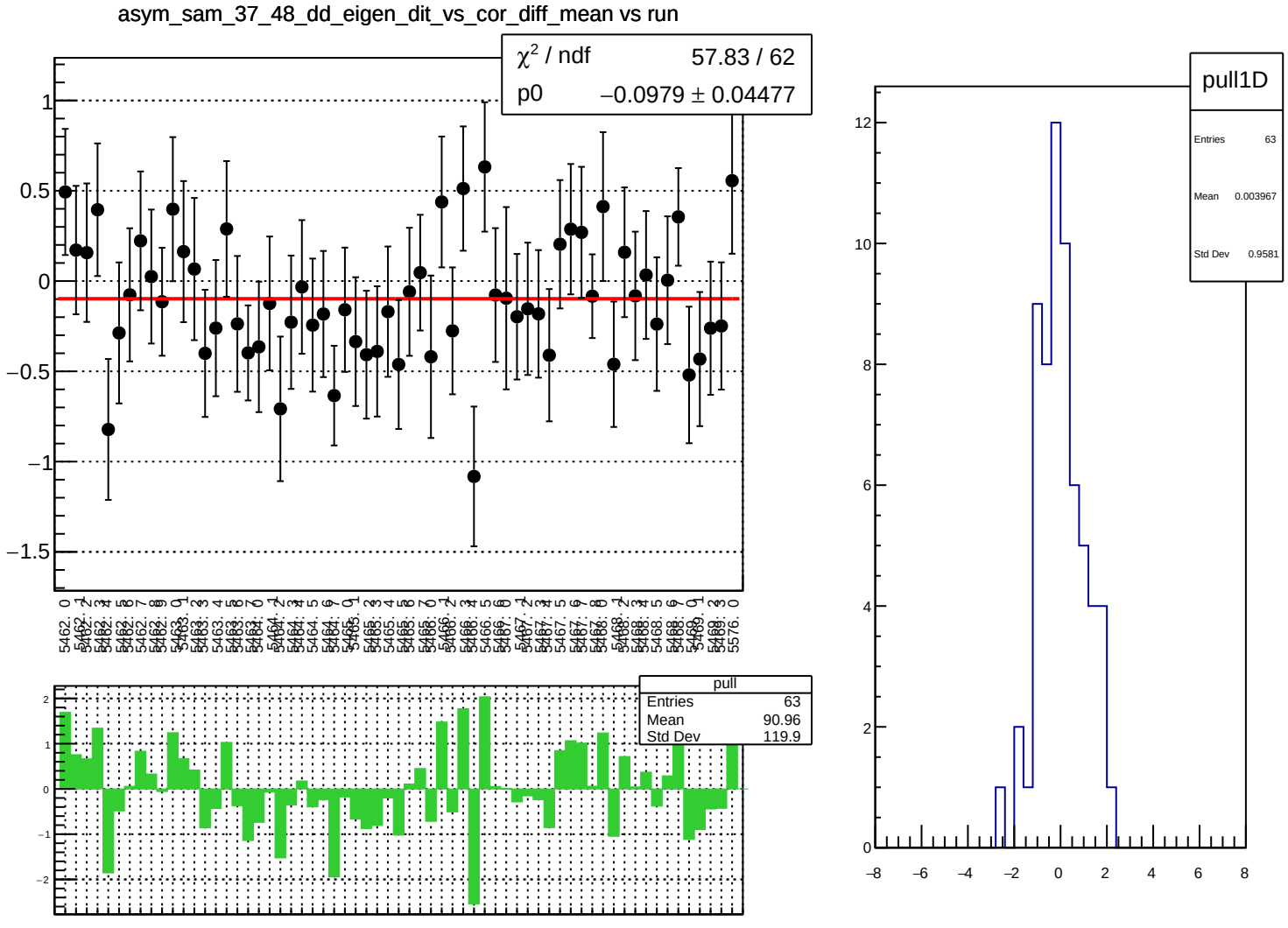

pull1D
Entries 63
Mean 0.003969
Std Dev 0.9581

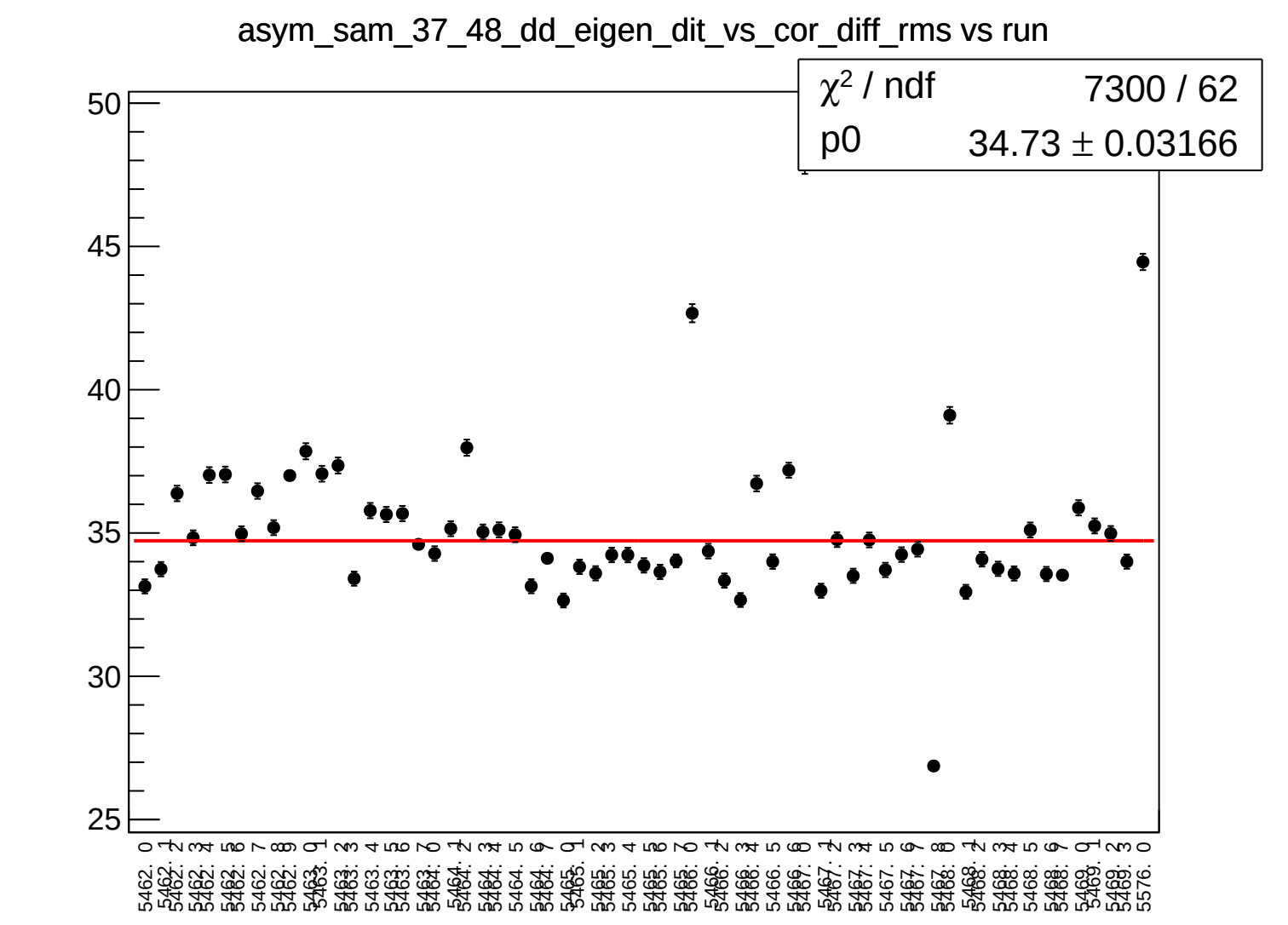

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7299 / 62
p0 34.73 ± 0.03166
50
45
40
35
30
25

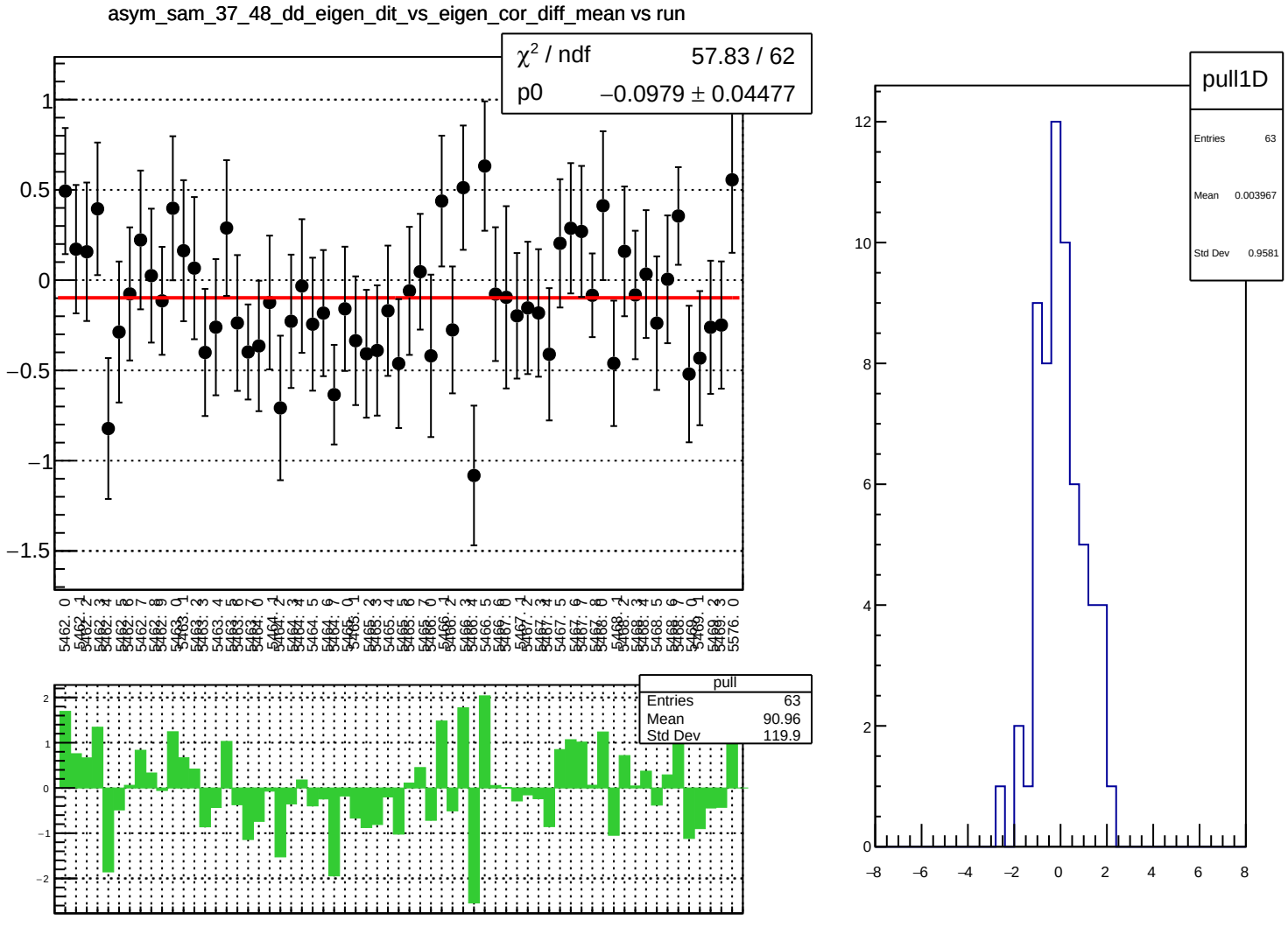

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.81 / 62
p0 −1.676e−06 ± 2.669e−06
pull
Entries 63
Mean 2.513
Std Dev 0

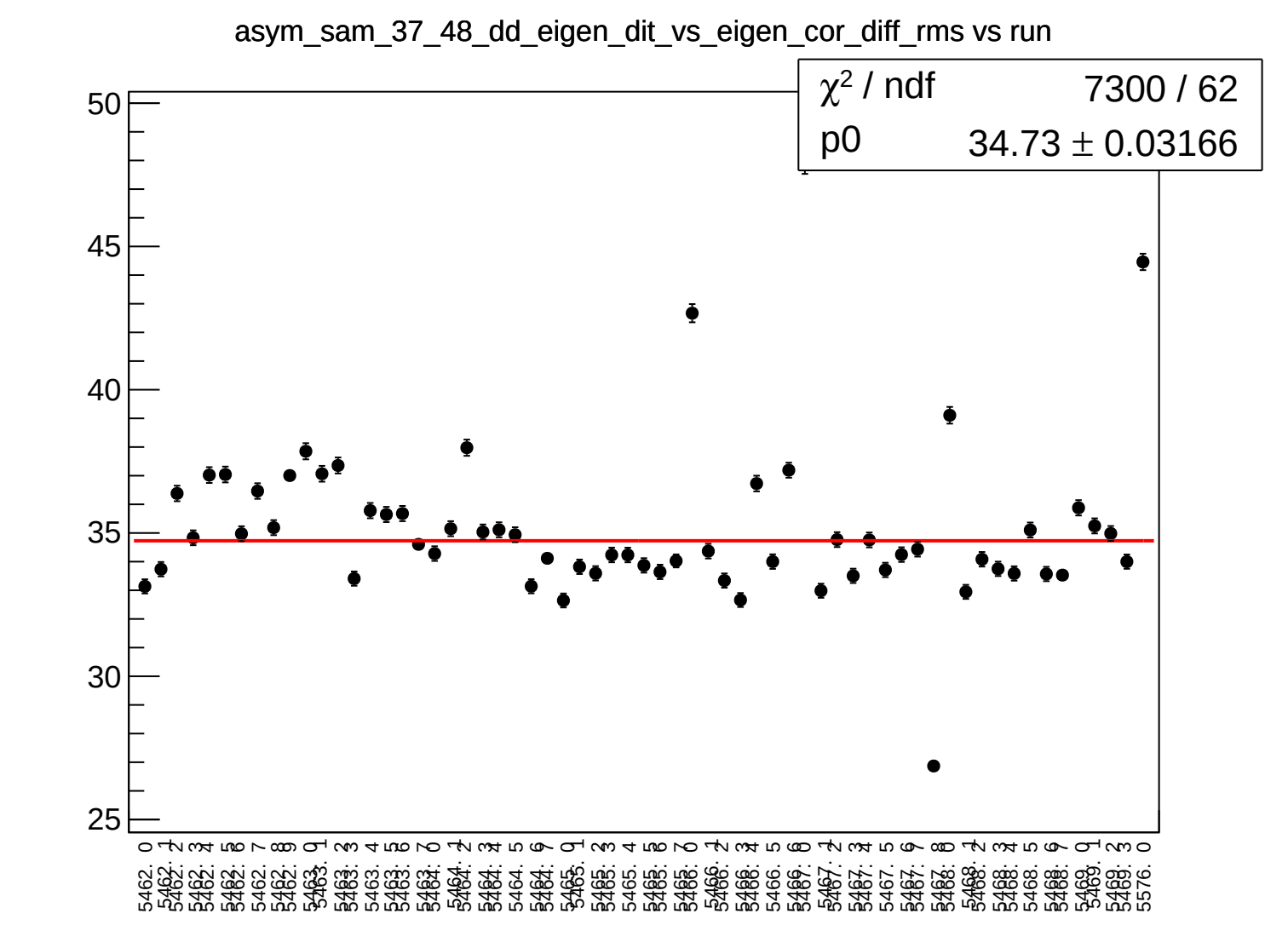

pull1D
Entries 63
Mean −0.01521
Std Dev 0.9904

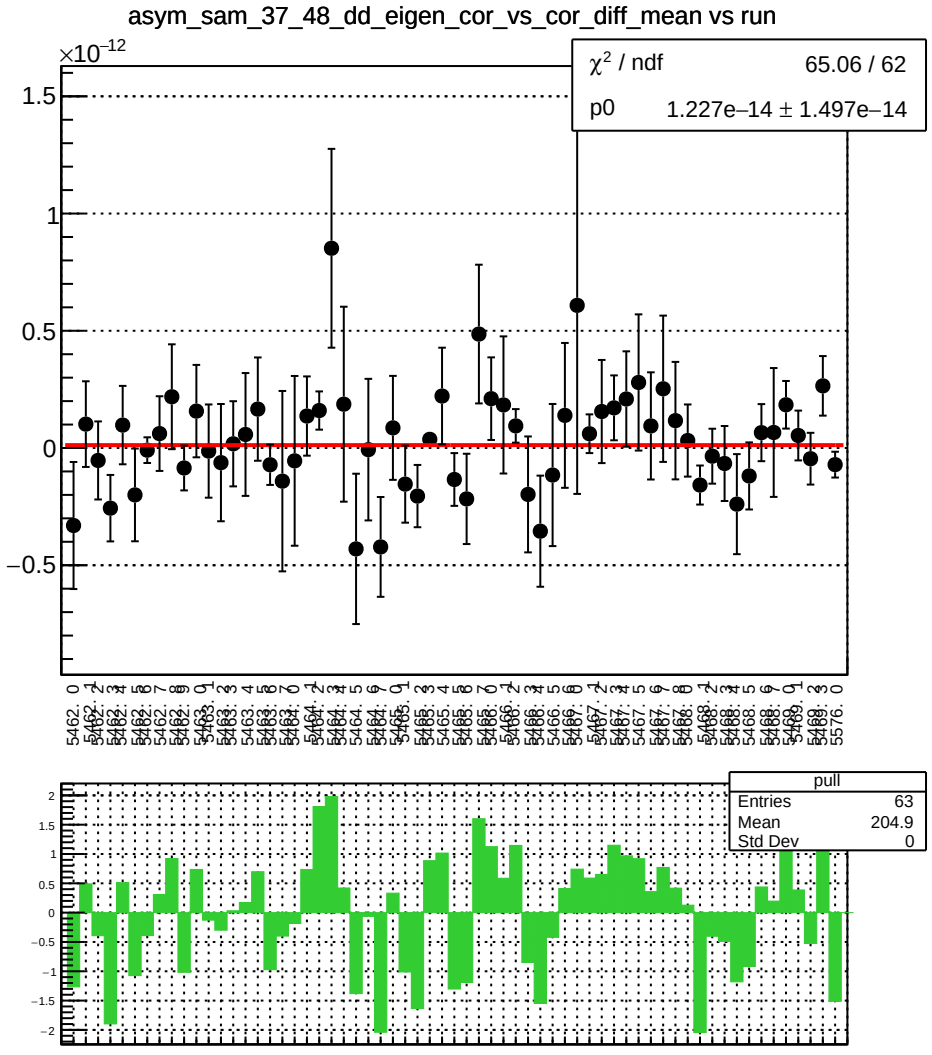

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 360.7 / 62
p0 0.002077 ± 1.888e−06
0.00218
0.00216
0.00214
0.00212
0.0021
0.00208
0.00206
0.00204
0.00202
0.002
0.00198

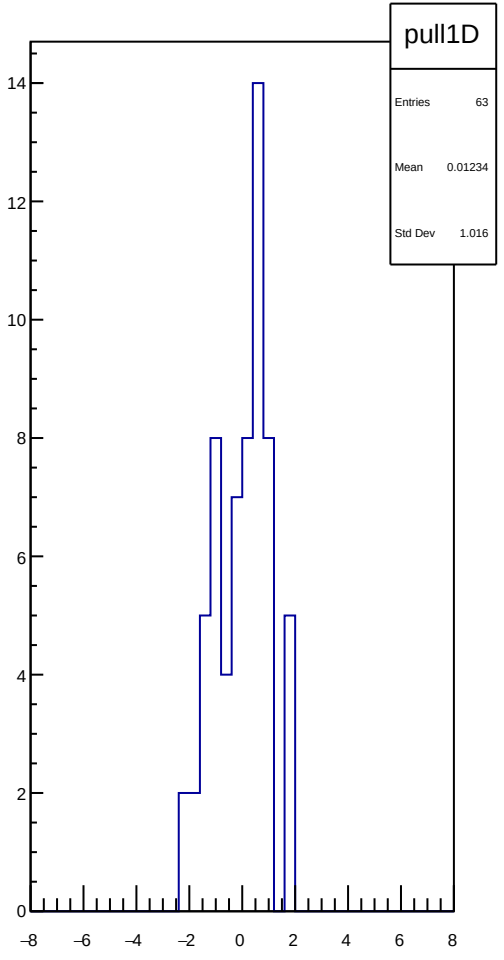

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.83 / 62
p0 −0.0979 ± 0.04477
pull
Entries 63
Mean 90.96
Std Dev 119.9
pull1D
Entries 63
Mean 0.003967
Std Dev 0.9581

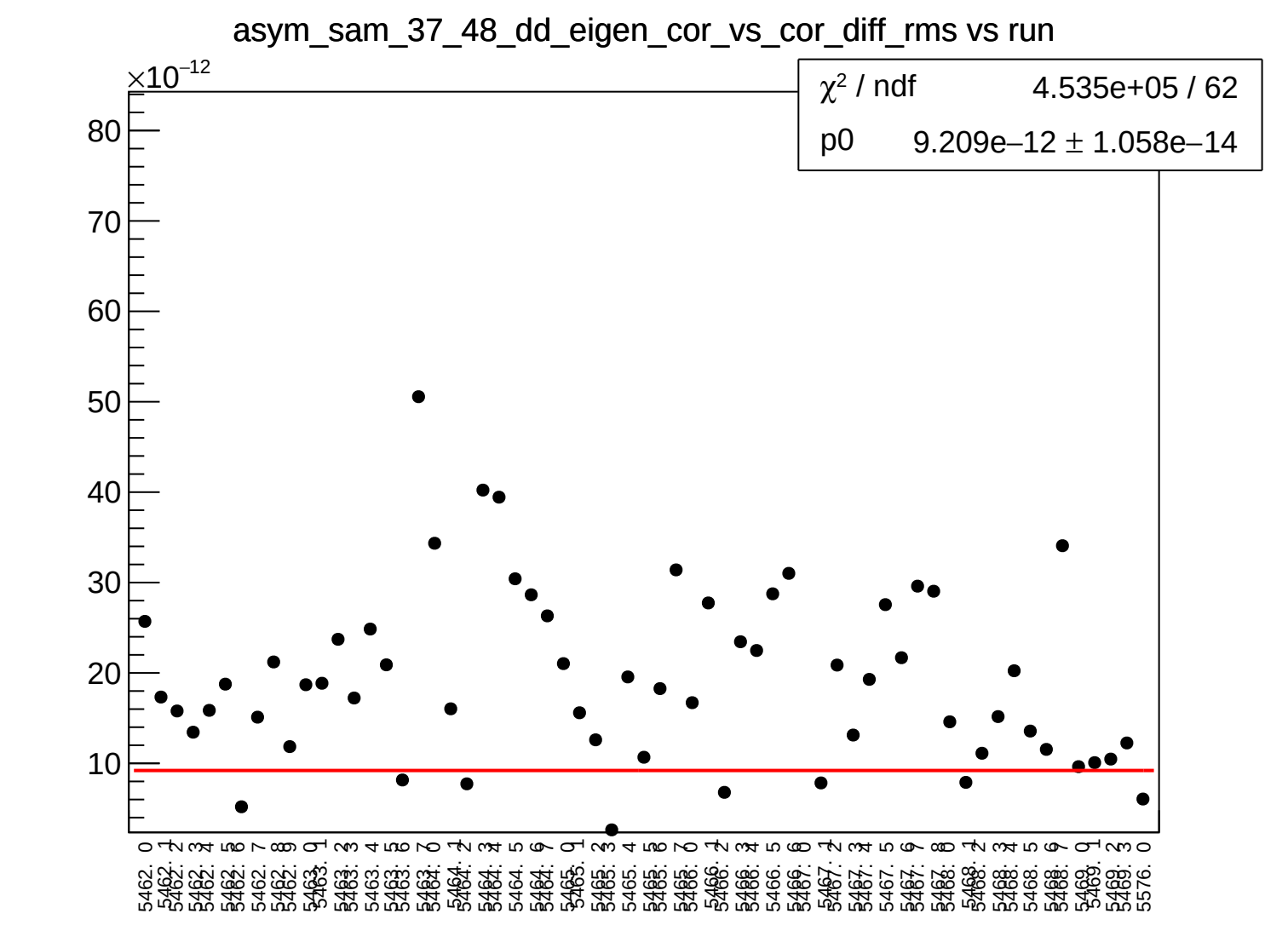

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7300 / 62
p0 34.73 ± 0.03166
50
45
40
35
30
25

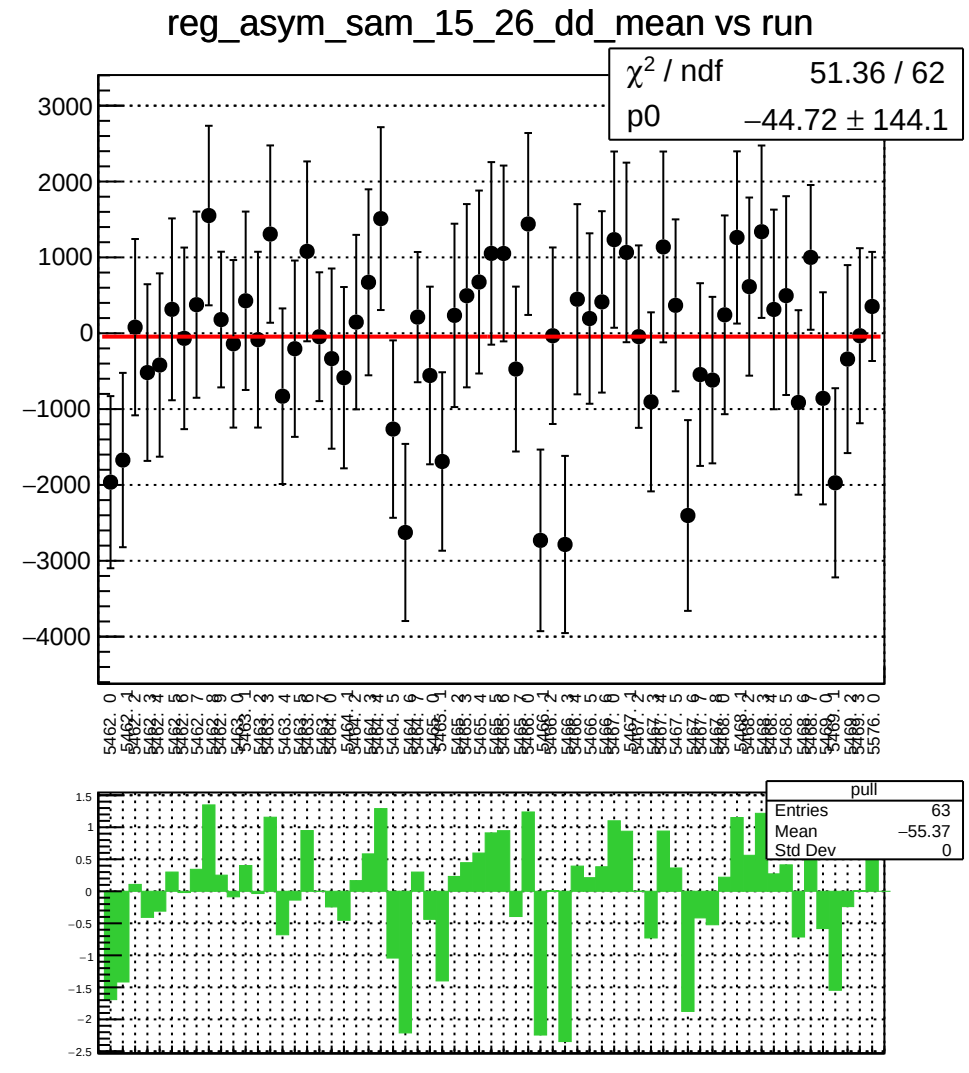

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.83 / 62
p0 −0.0979 ± 0.04477
pull
Entries 63
Mean 90.96
Std Dev 119.9
pull1D
Entries 63
Mean 0.003967
Std Dev 0.9581

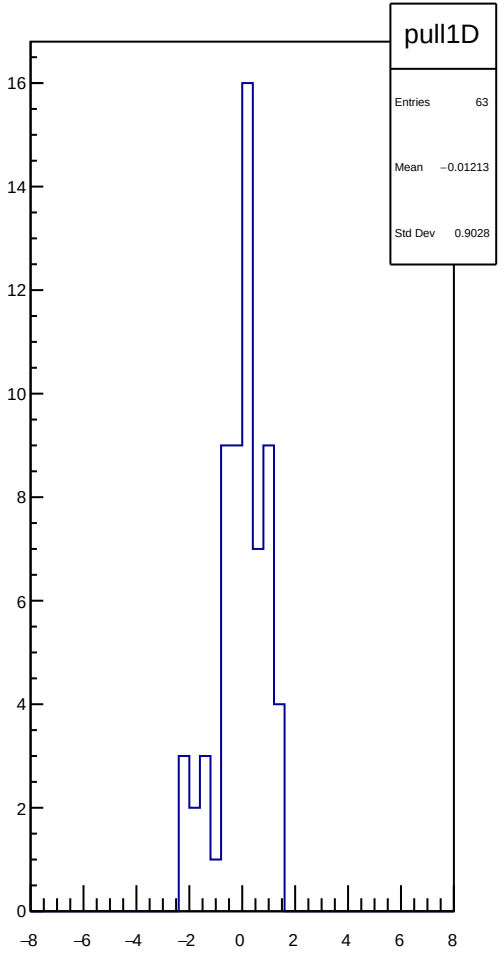

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7300 / 62
p0 34.73 ± 0.03166
50
45
40
35
30
25

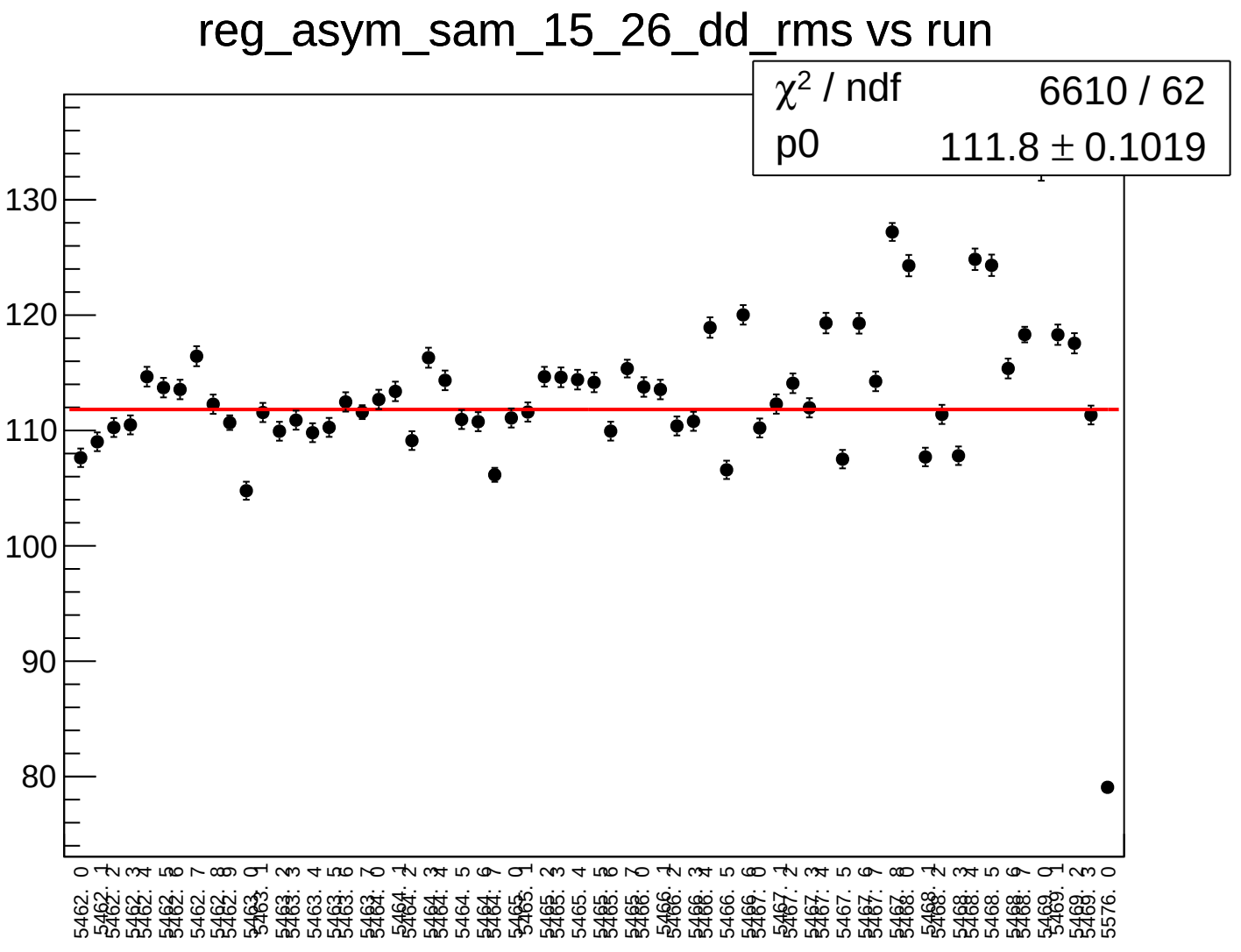

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.06 / 62
p0 1.227e−14 ± 1.497e−14
pull
Entries 63
Mean 204.9
Std Dev 0

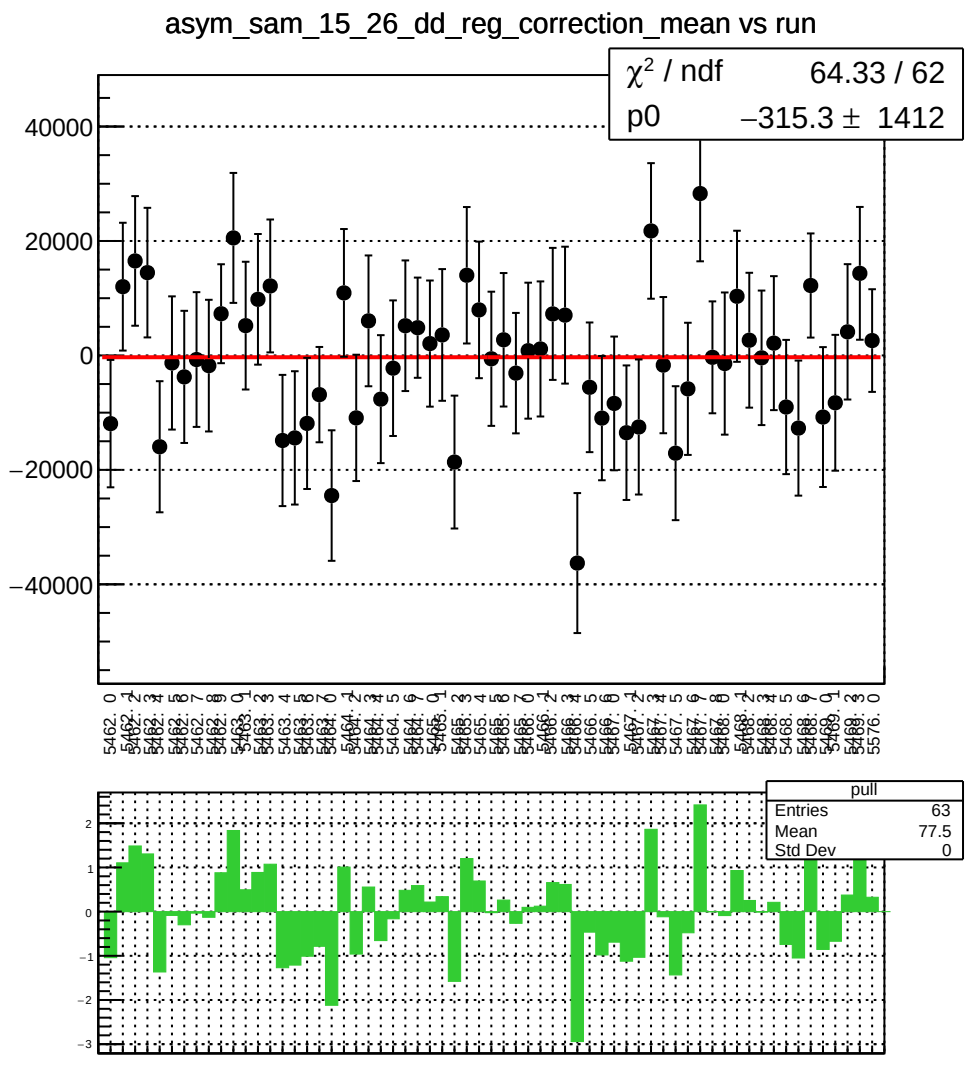

pull1D
Entries 63
Mean 0.01234
Std Dev 1.016

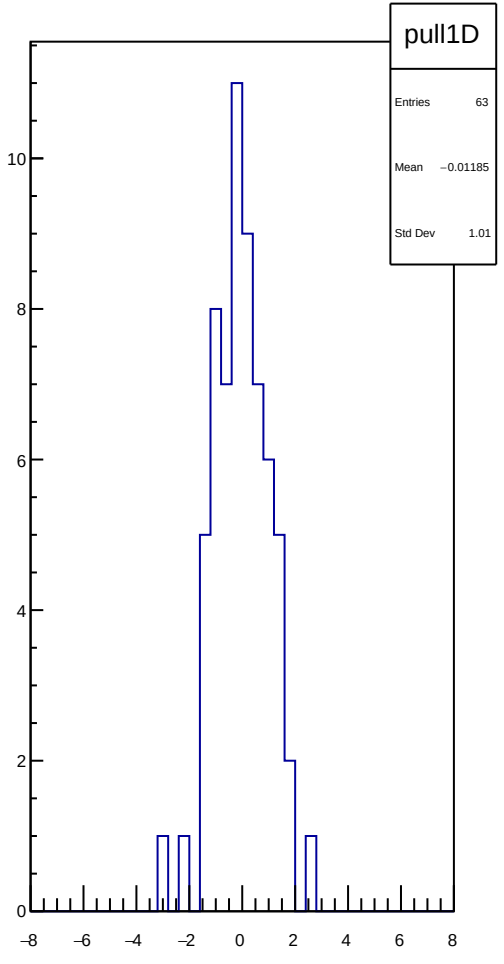

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.535e+05 / 62
p0 9.209e−12 ± 1.058e−14
80
70
60
50
40
30
20
10

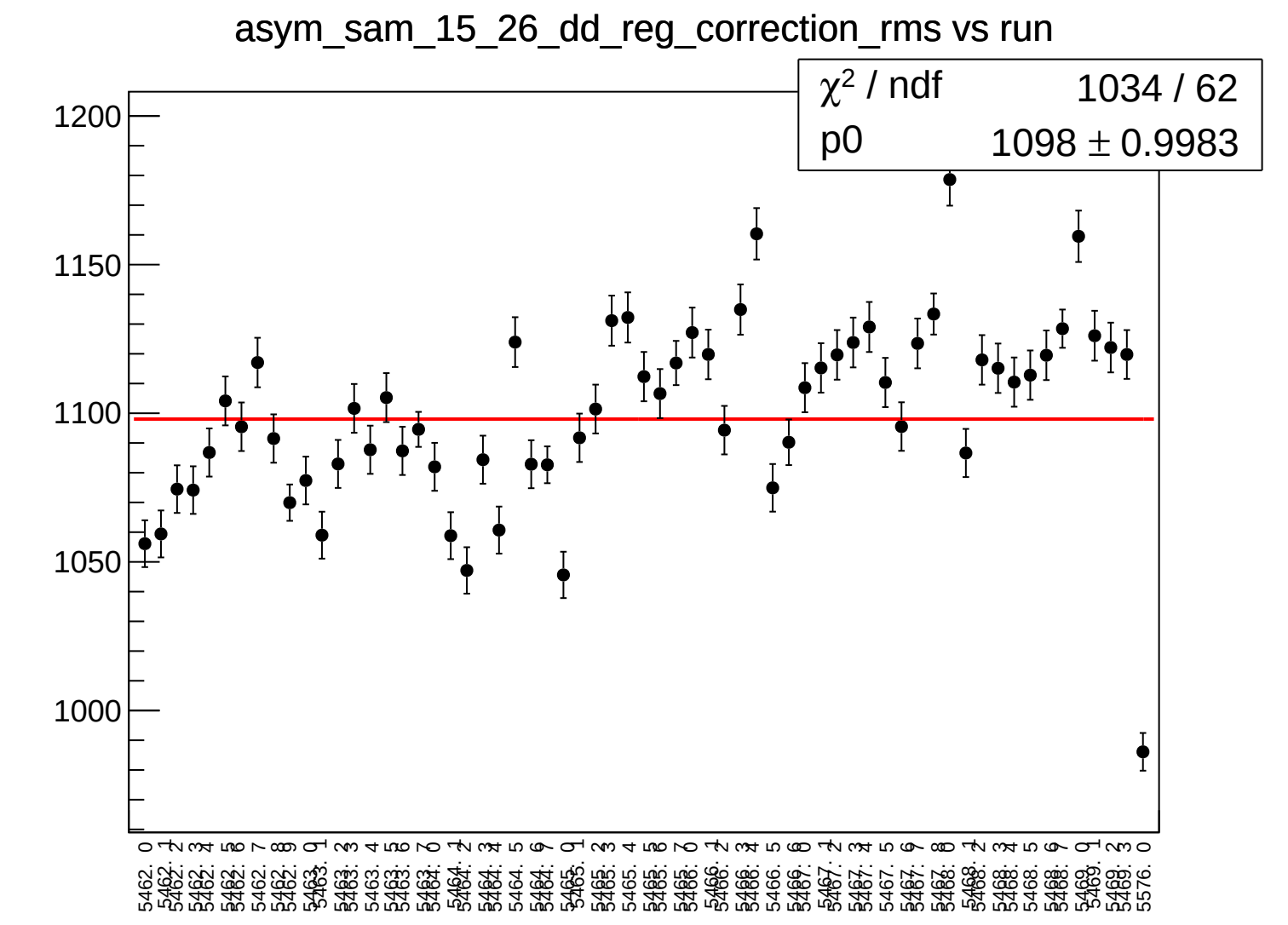

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.36 / 62
p0 −44.72 ± 144.1
pull
Entries 63
Mean −55.37
Std Dev 0

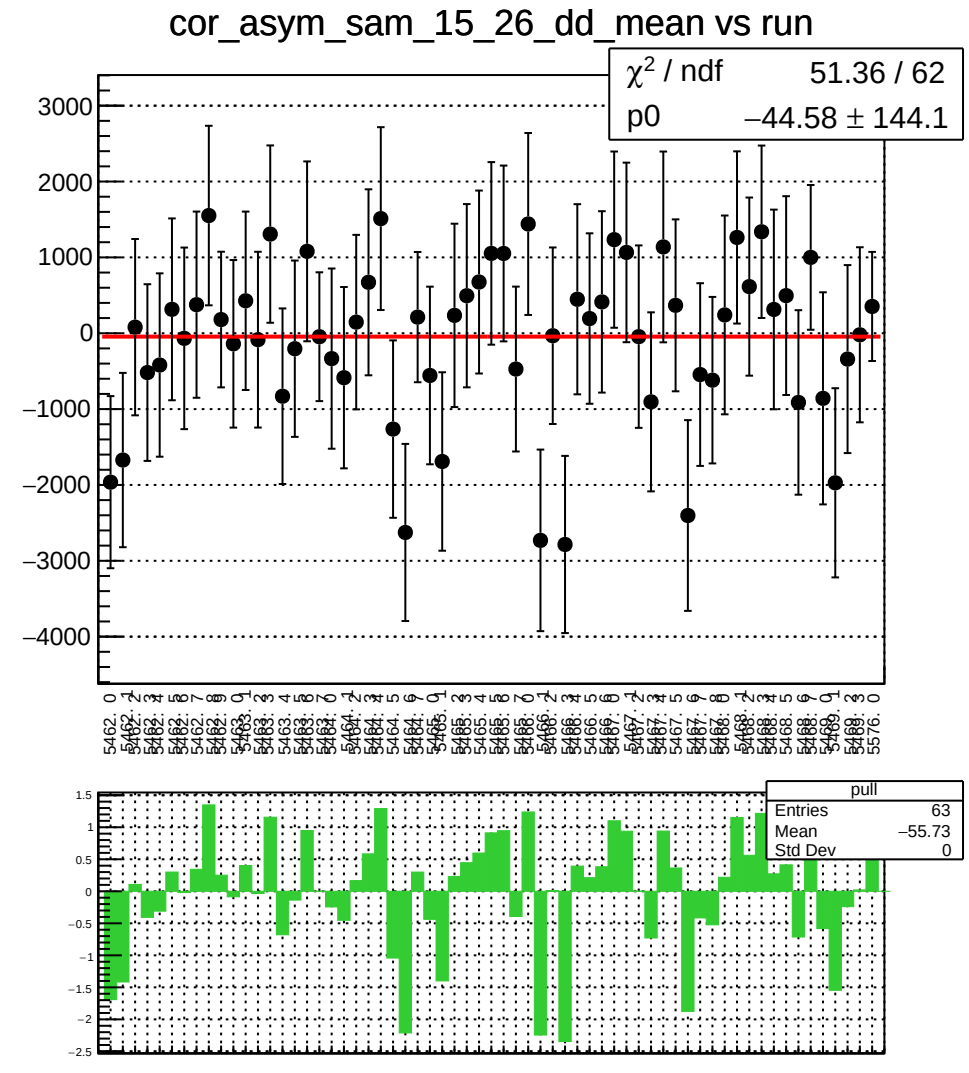

pull1D
Entries 63
Mean −0.01213
Std Dev 0.9028

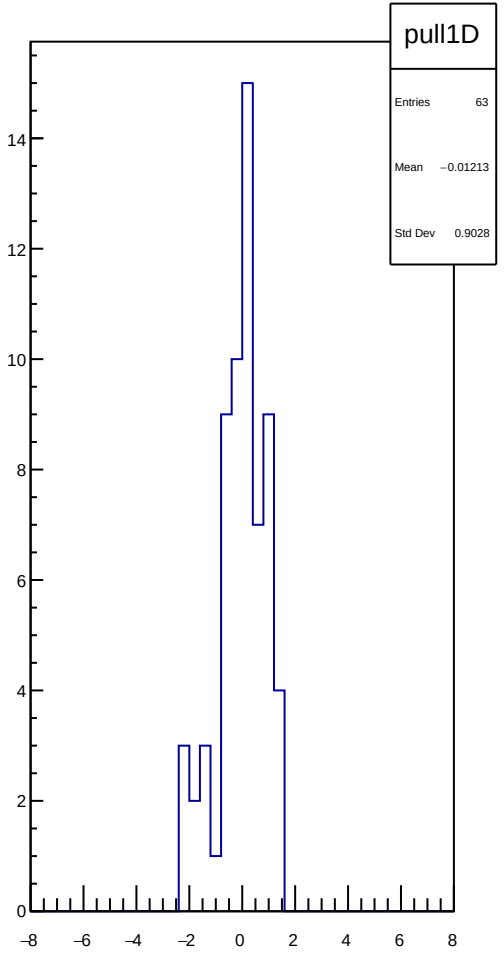

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 6610 / 62
p0 111.8 ± 0.1019
130
120
110
100
90
80

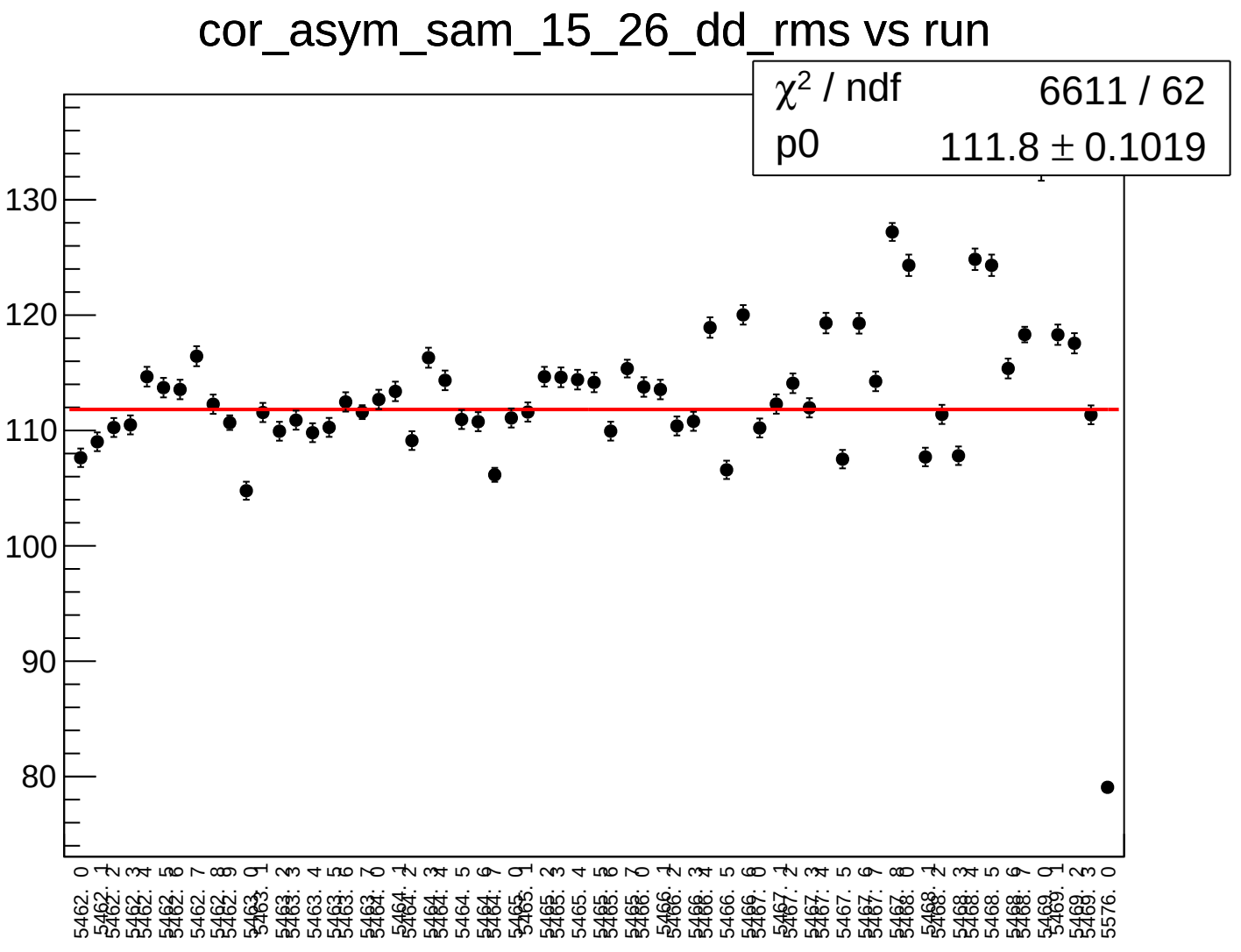

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 64.33 / 62
p0 −315.3 ± 1412
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 77.5
Std Dev 0
2
1
0
−1
−2
−3

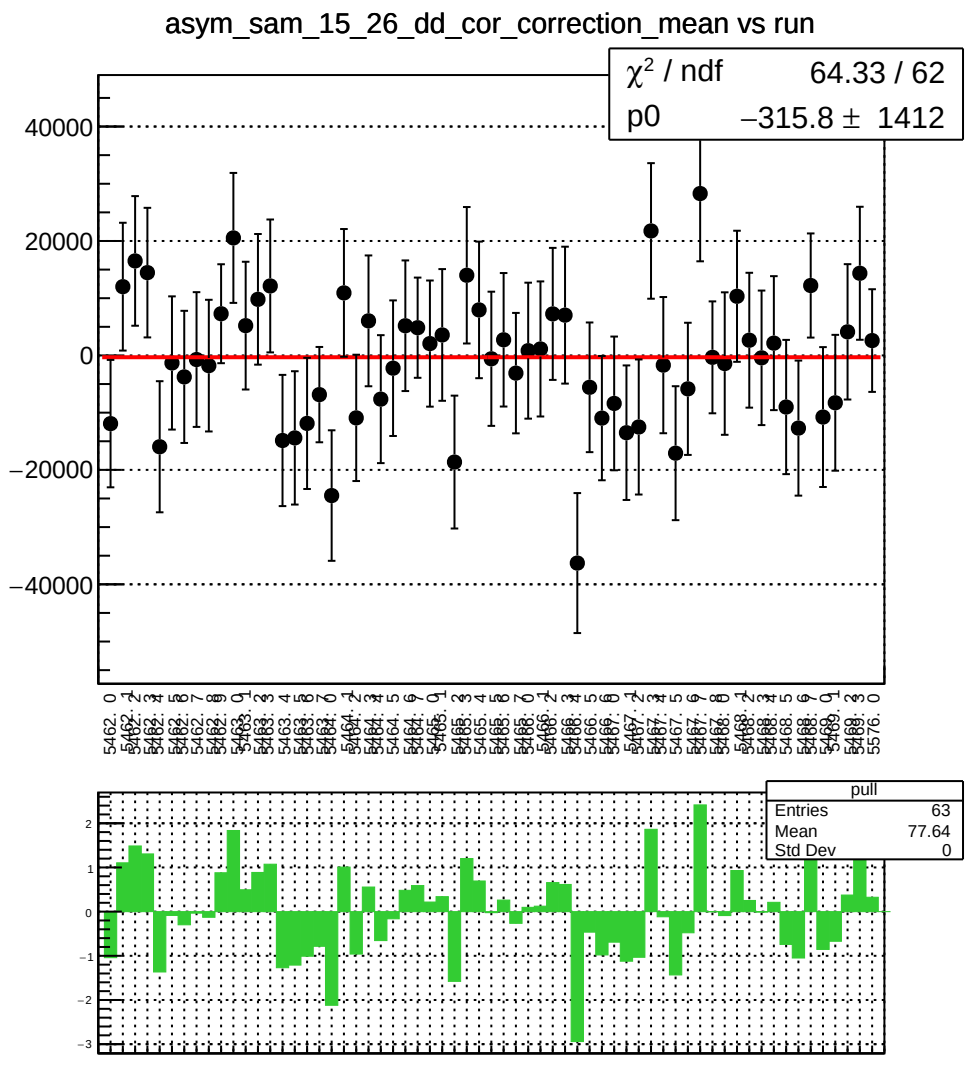

pull1D
Entries 63
Mean −0.01185
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

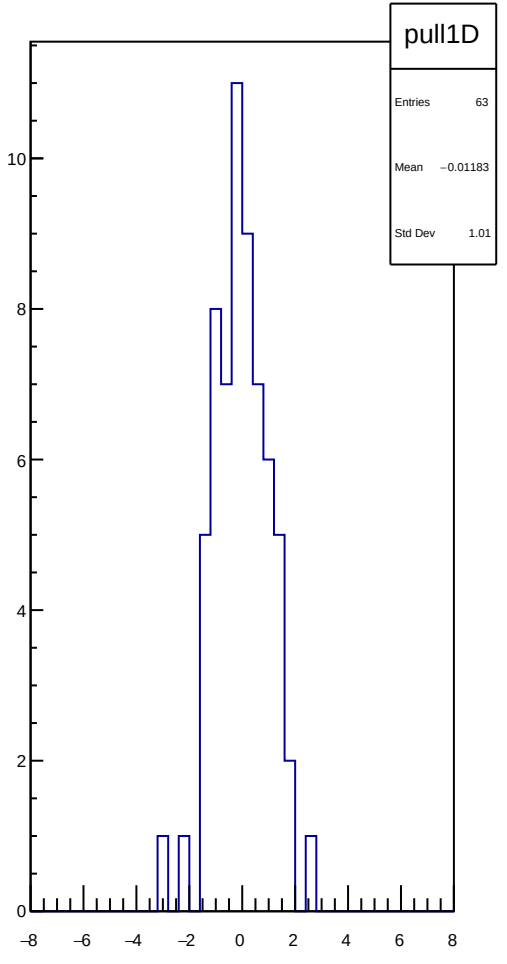

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 1034 / 62
p0 1098 ± 0.9983
1200
1150
1100
1050
1000

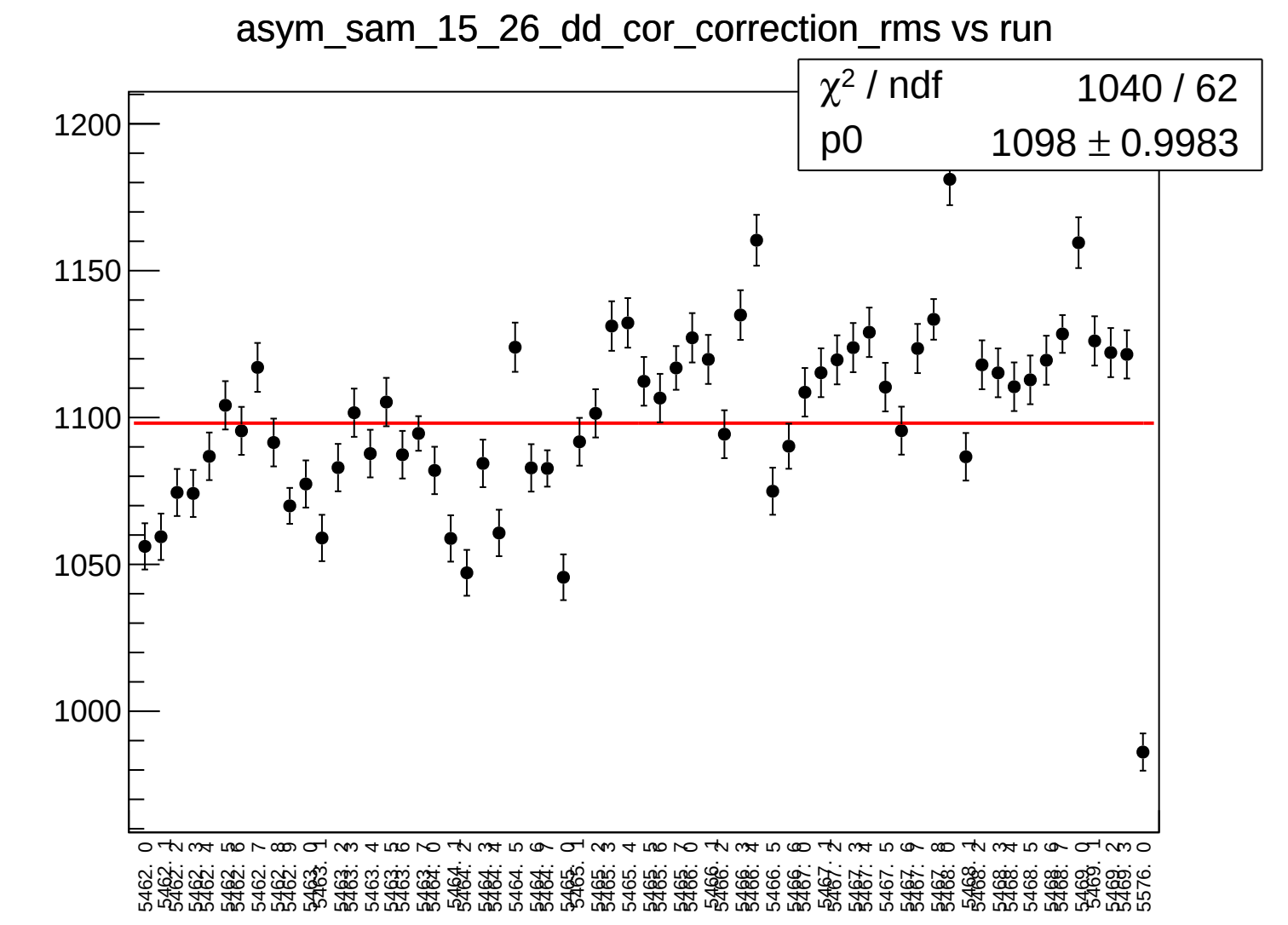

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.36 / 62
p0 −44.58 ± 144.1
pull
Entries 63
Mean −55.73
Std Dev 0

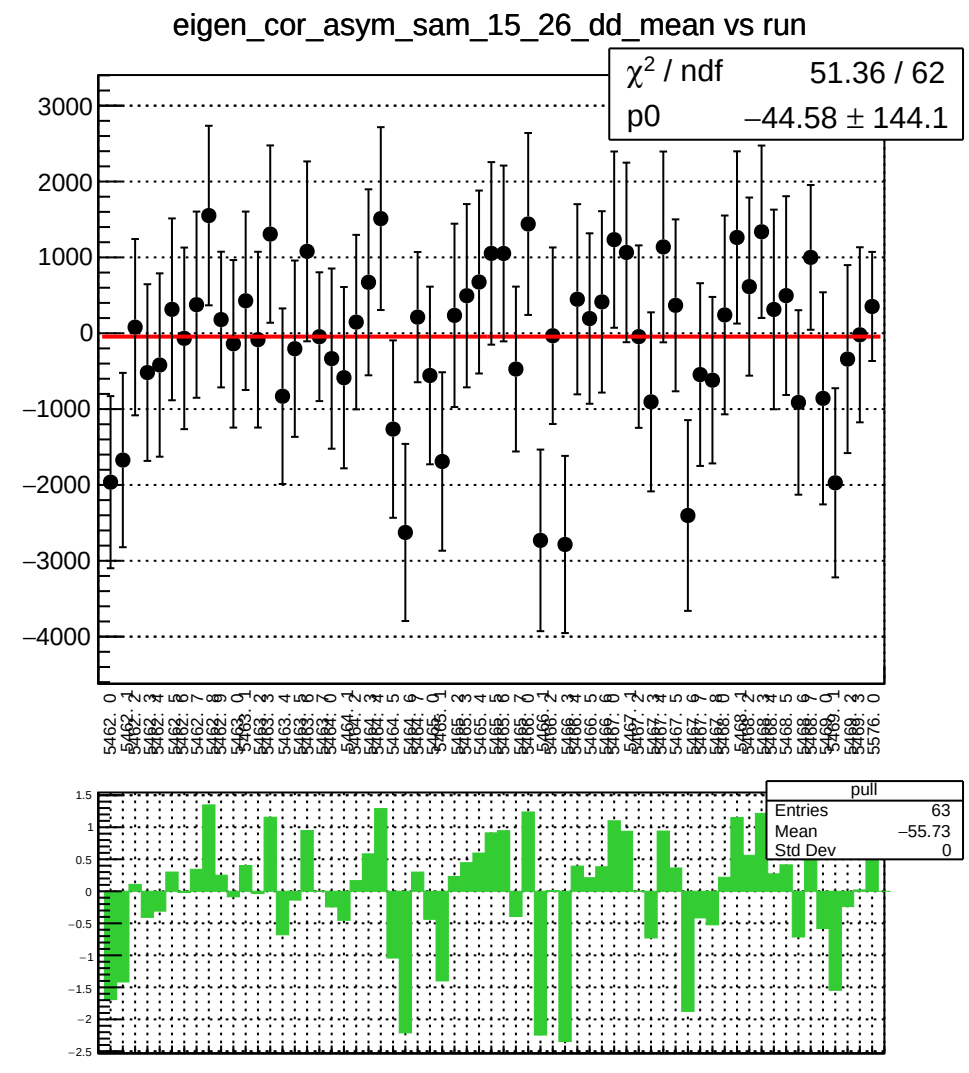

pull1D
Entries 63
Mean −0.01213
Std Dev 0.9028

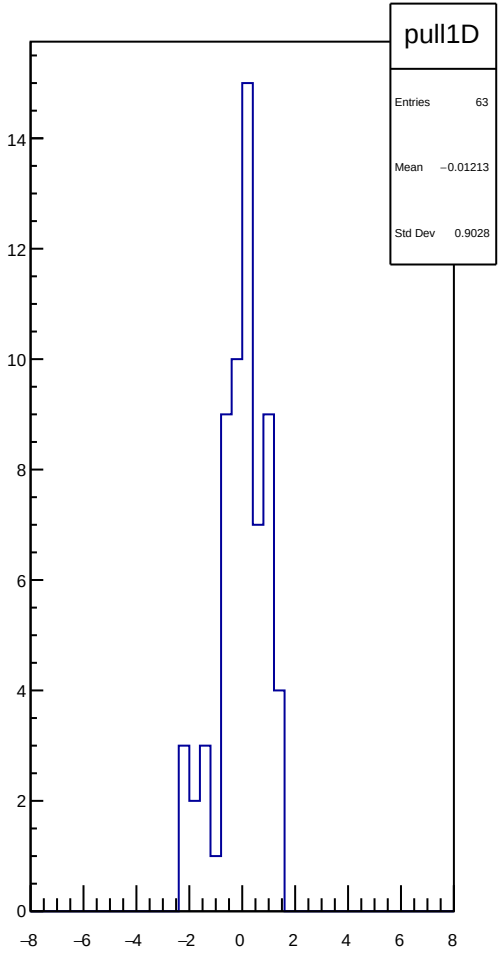

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 6611 / 62
p0 111.8 ± 0.1019
130
120
110
100
90
80
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

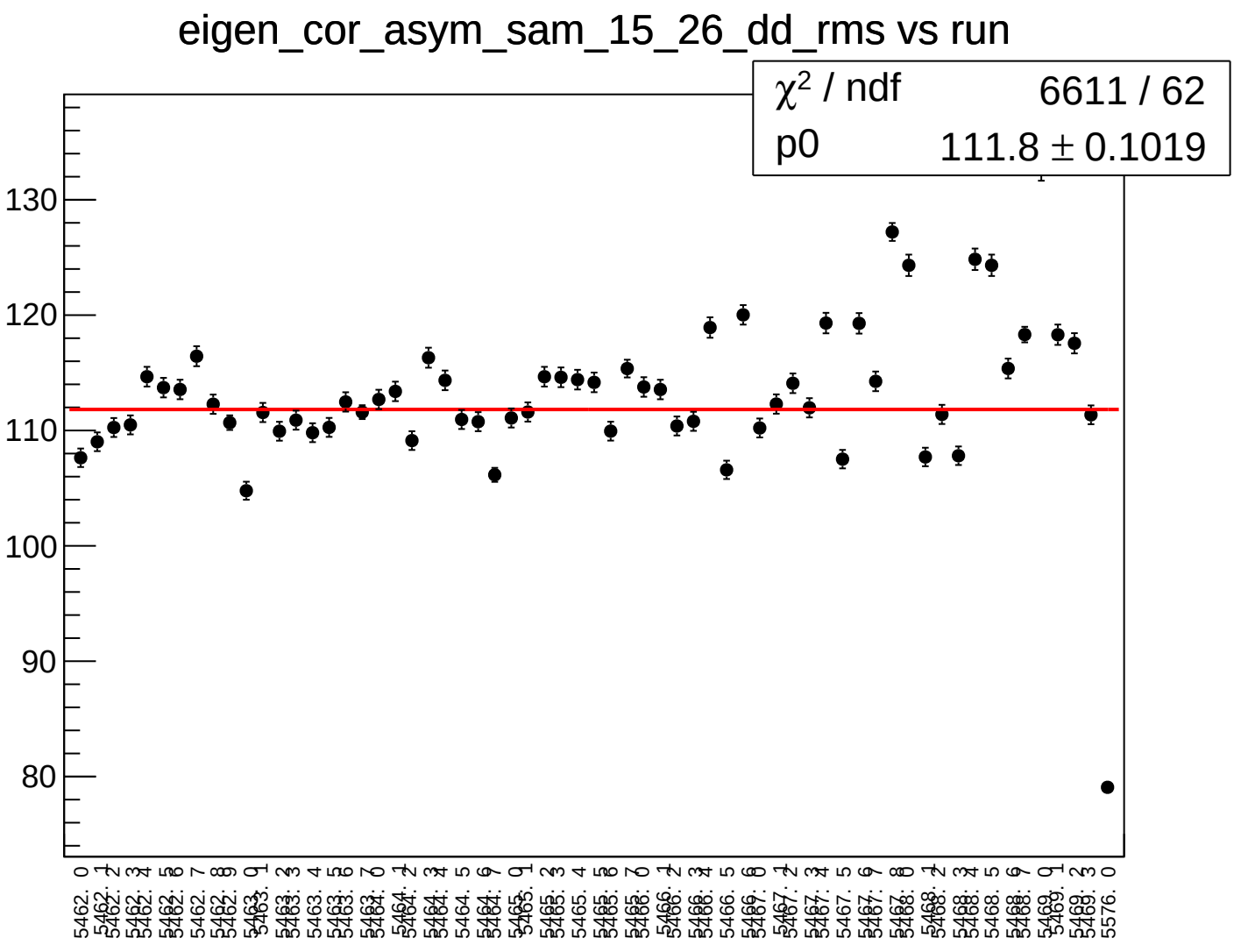

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 64.33 / 62
p0 −315.8 ± 1412
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 77.64
Std Dev 0
2
1
0
−1
−2
−3

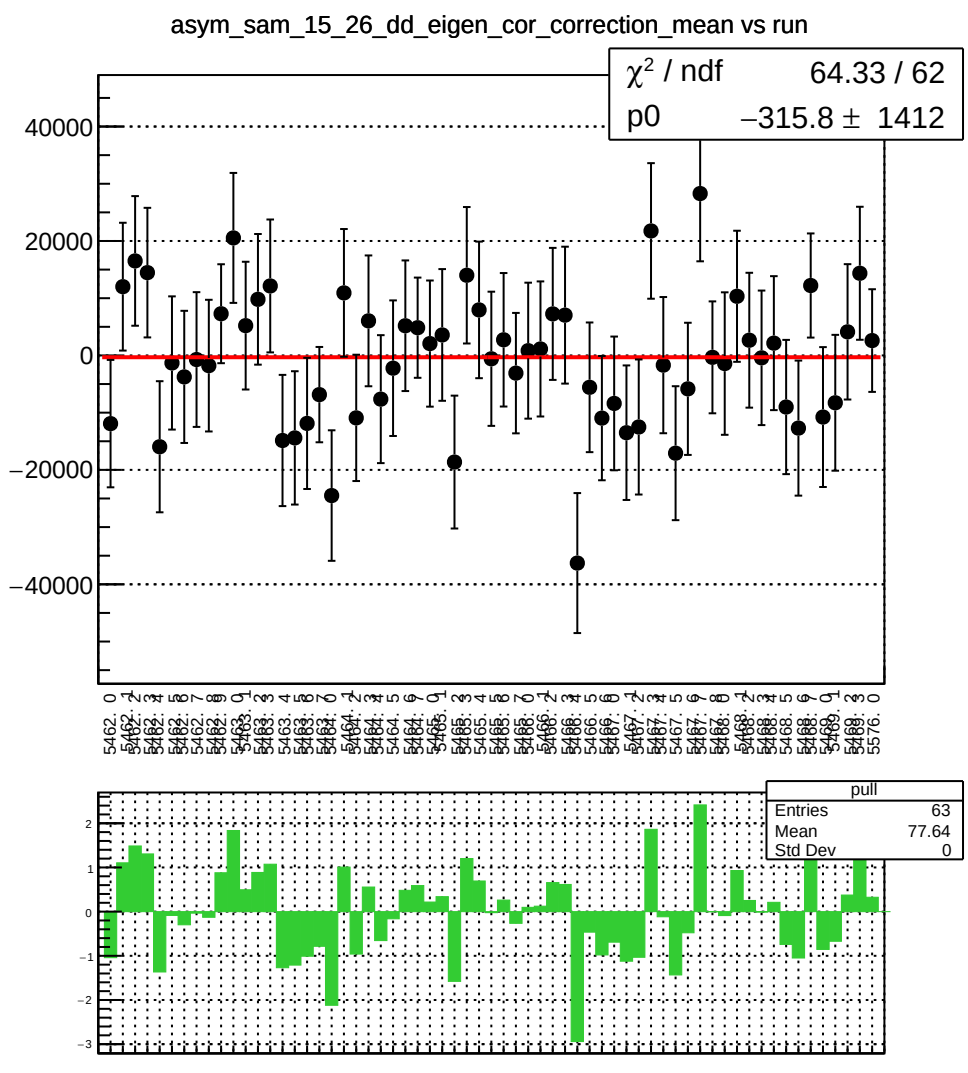

pull1D
Entries 63
Mean −0.01183
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

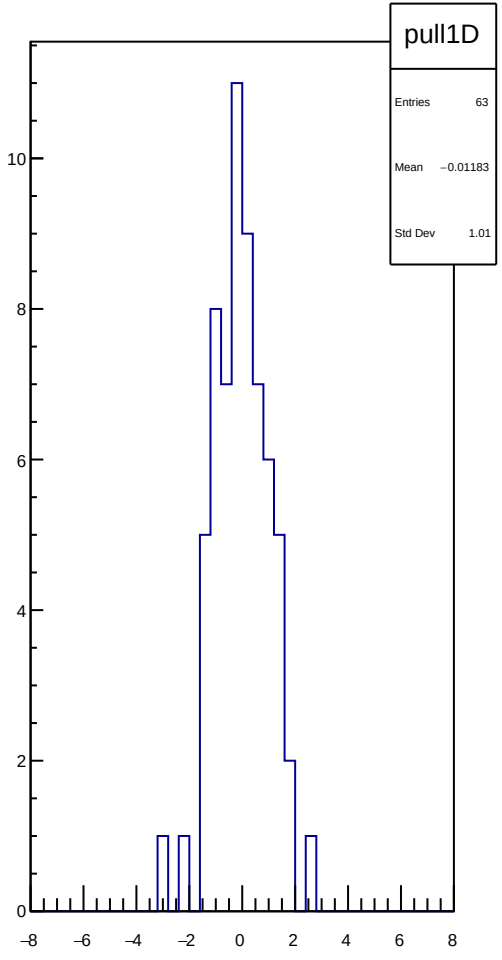

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 1040 / 62
p0 1098 ± 0.9983
1200
1150
1100
1050
1000

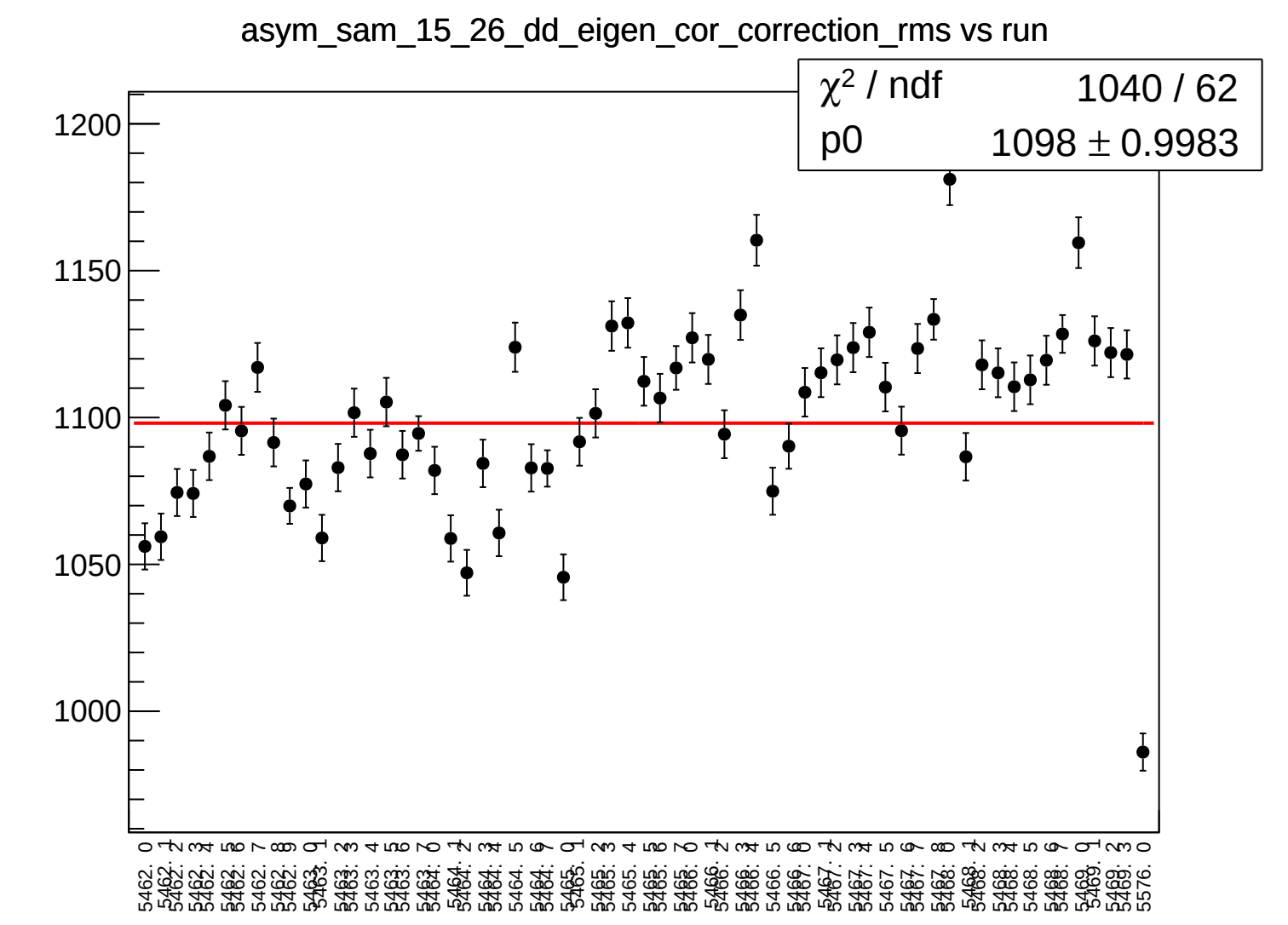

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.36 / 62
p0 −44.58 ± 144.1
pull
Entries 63
Mean −55.73
Std Dev 0

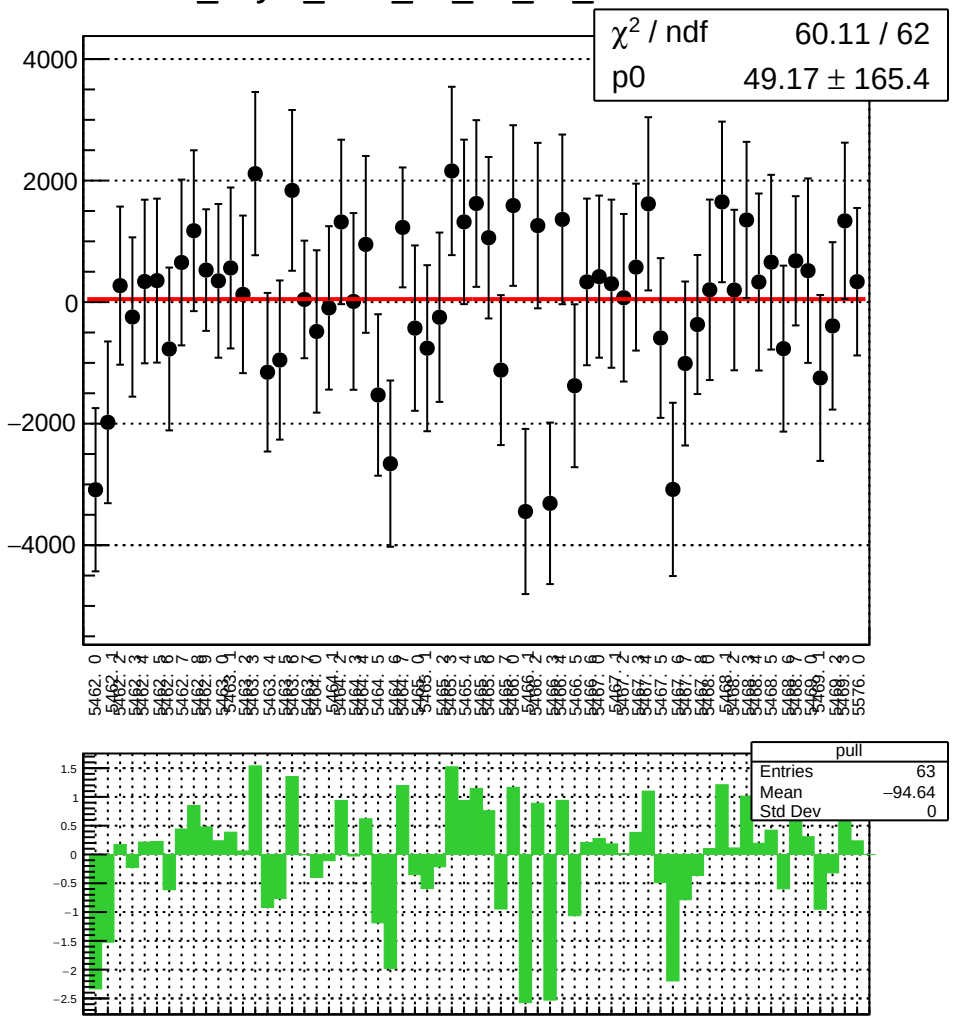

pull1D
Entries 63
Mean −0.01213
Std Dev 0.9028

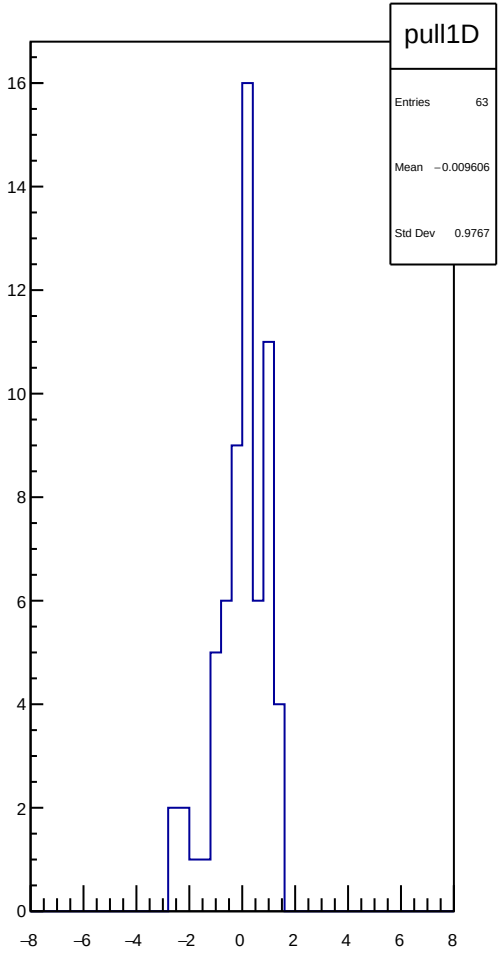

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 6611 / 62
p0 111.8 ± 0.1019
130
120
110
100
90
80

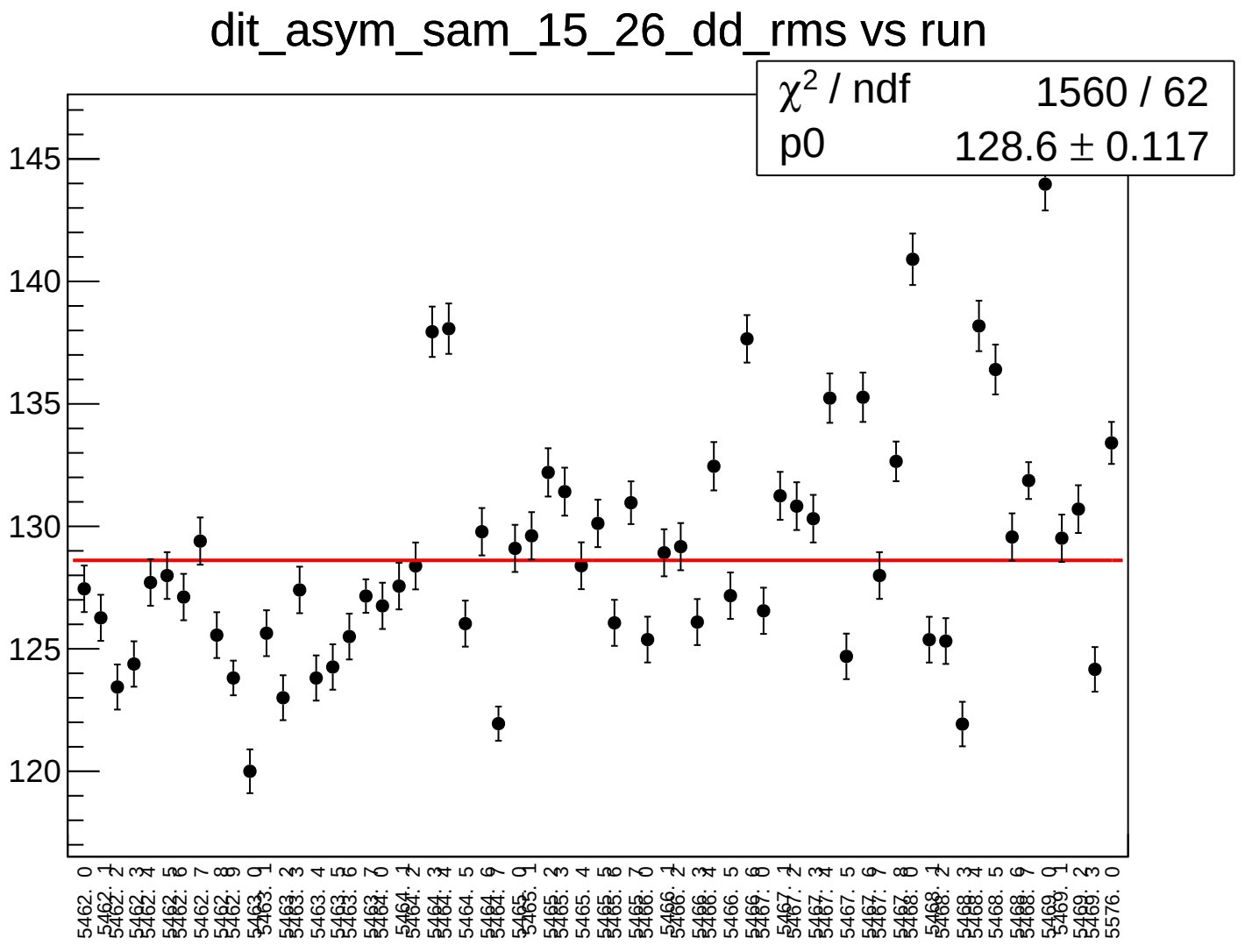

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.33 / 62
p0 −315.8 ± 1412
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 77.64
Std Dev 0
2
1
0
−1
−2
−3

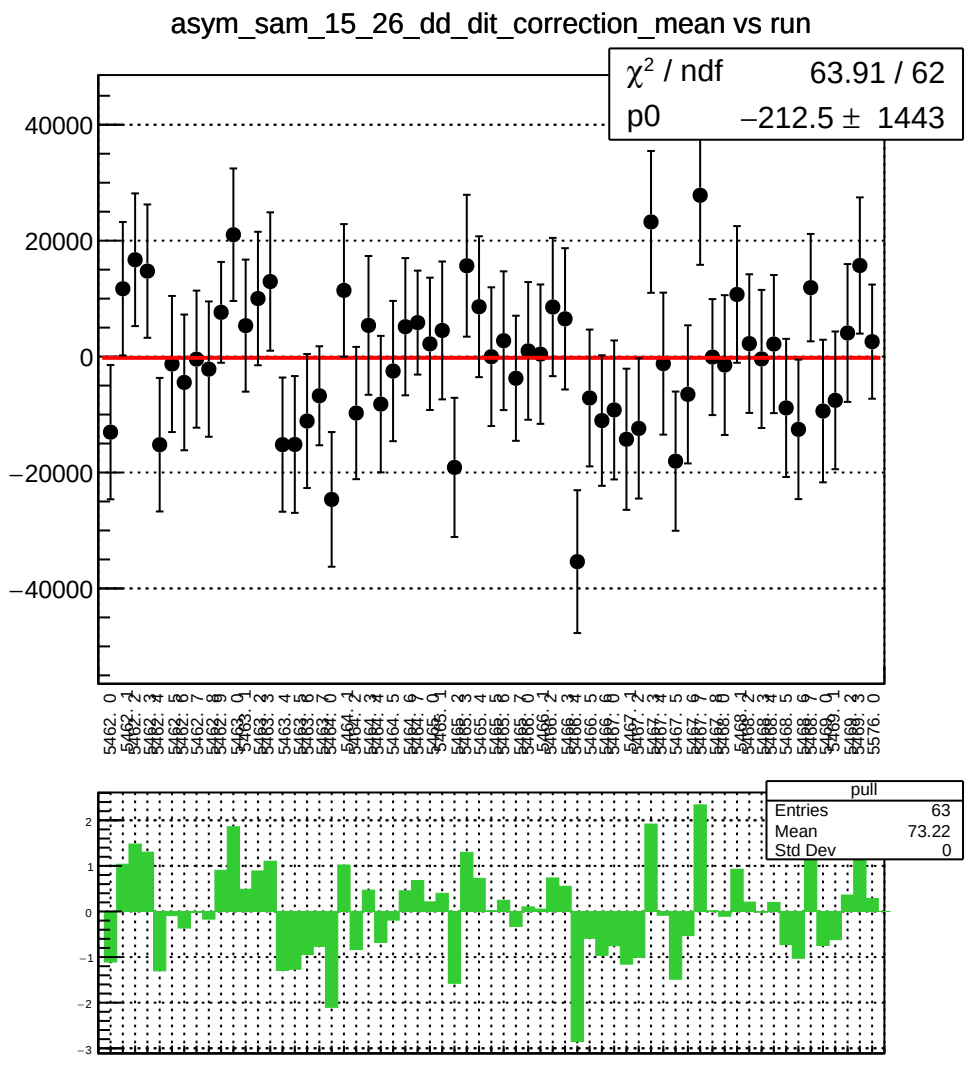

pull1D
Entries 63
Mean −0.01183
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

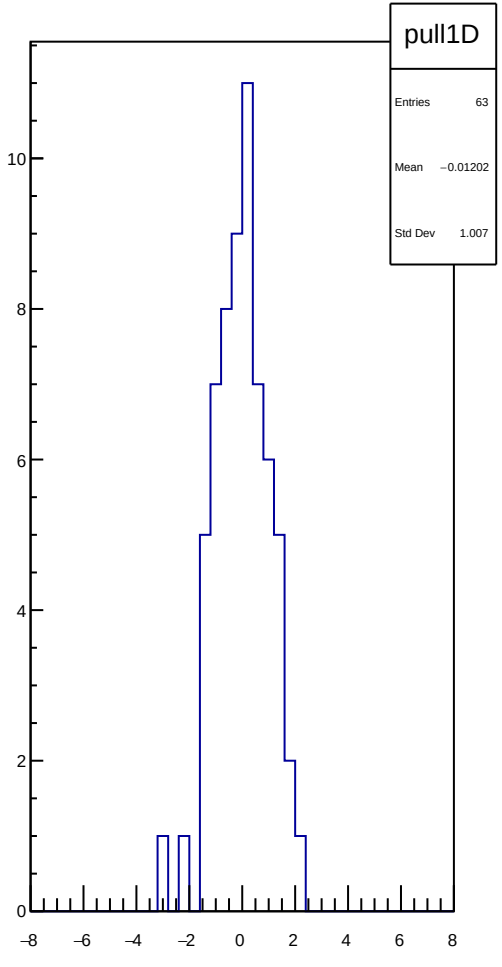

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1040 / 62
p0 1098 ± 0.9983
1200
1150
1100
1050
1000

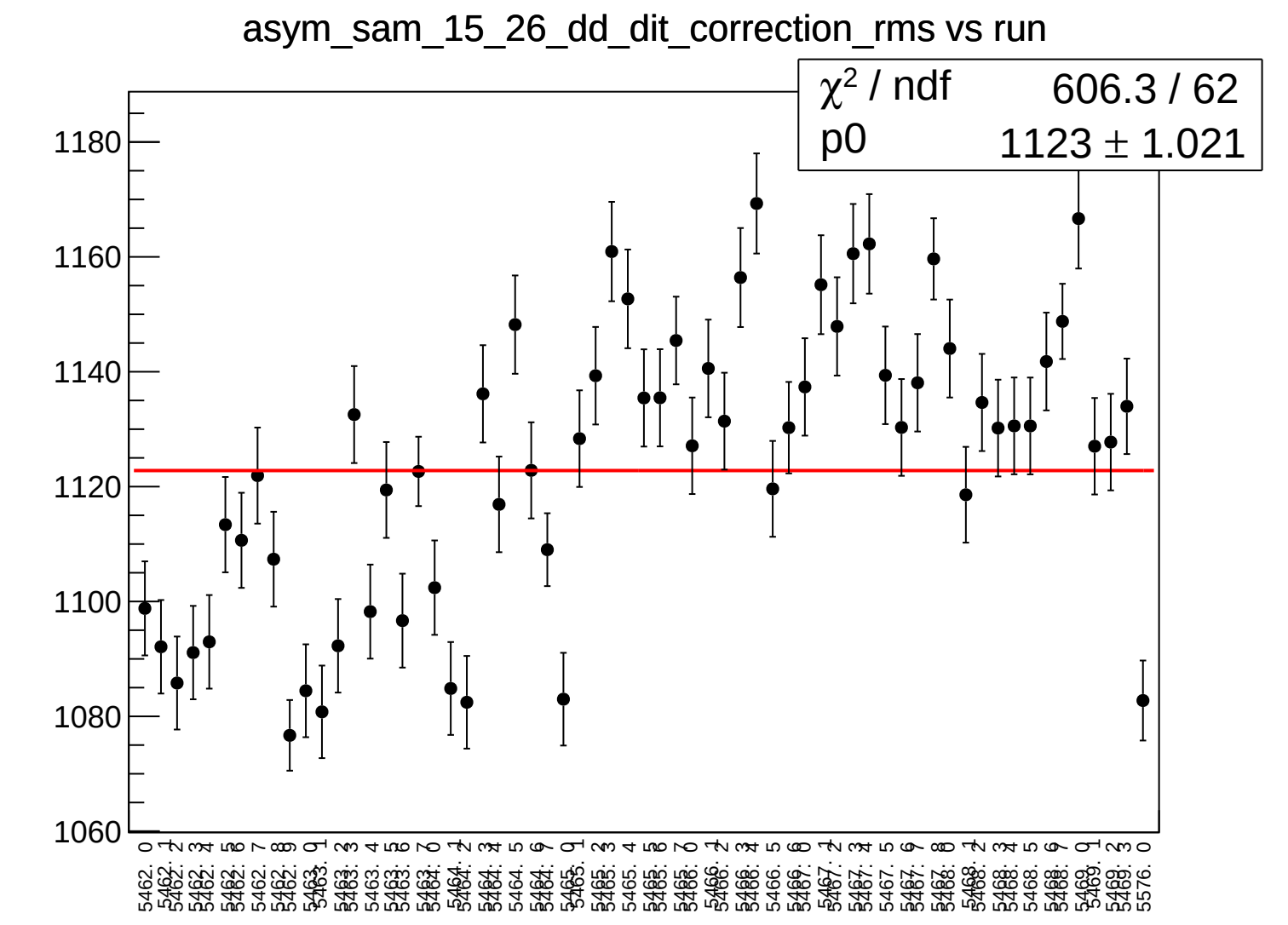

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.11 / 62
p0 49.17 ± 165.4
pull
Entries 63
Mean −94.64
Std Dev 0

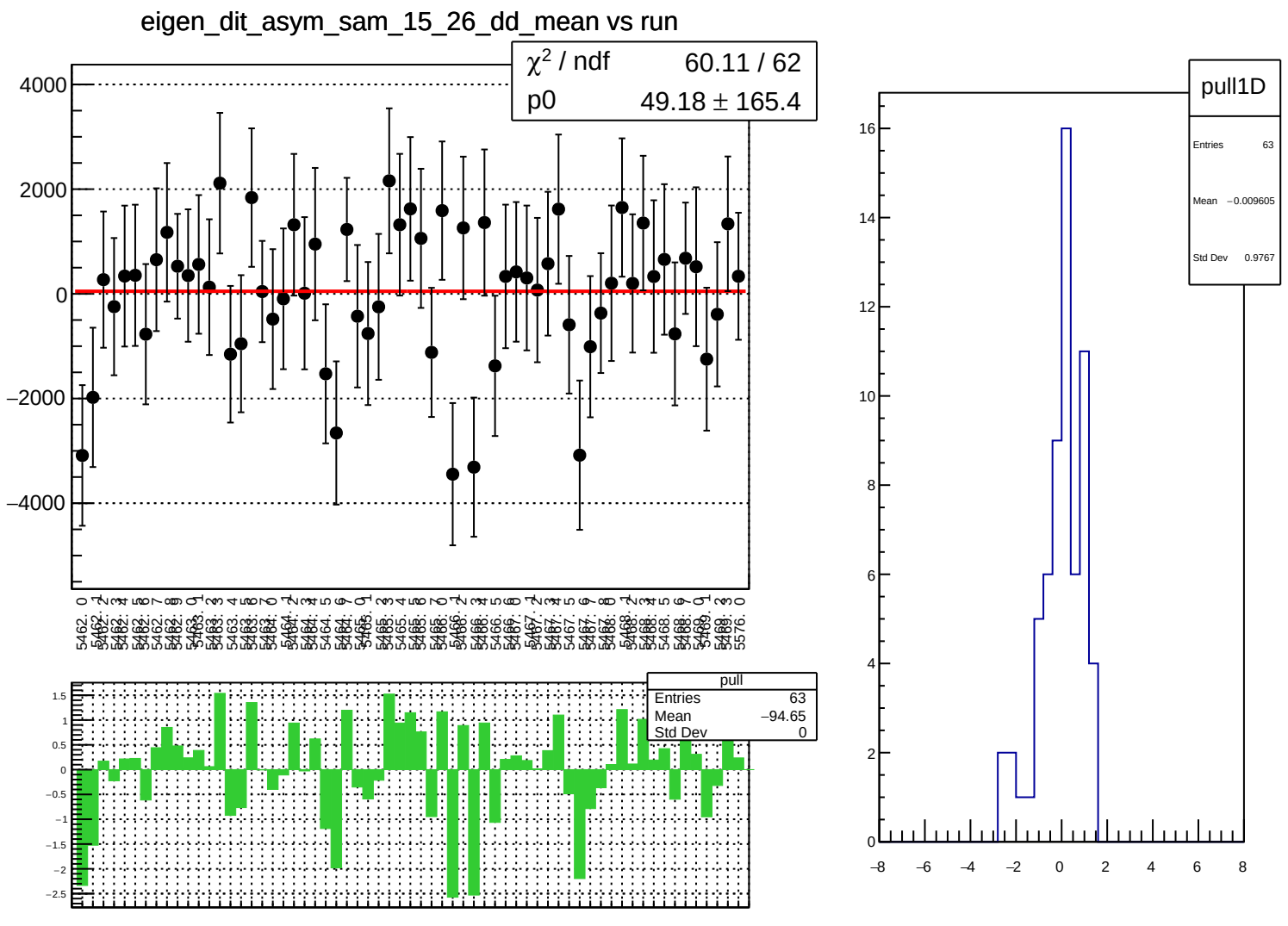

pull1D
Entries 63
Mean −0.009606
Std Dev 0.9767

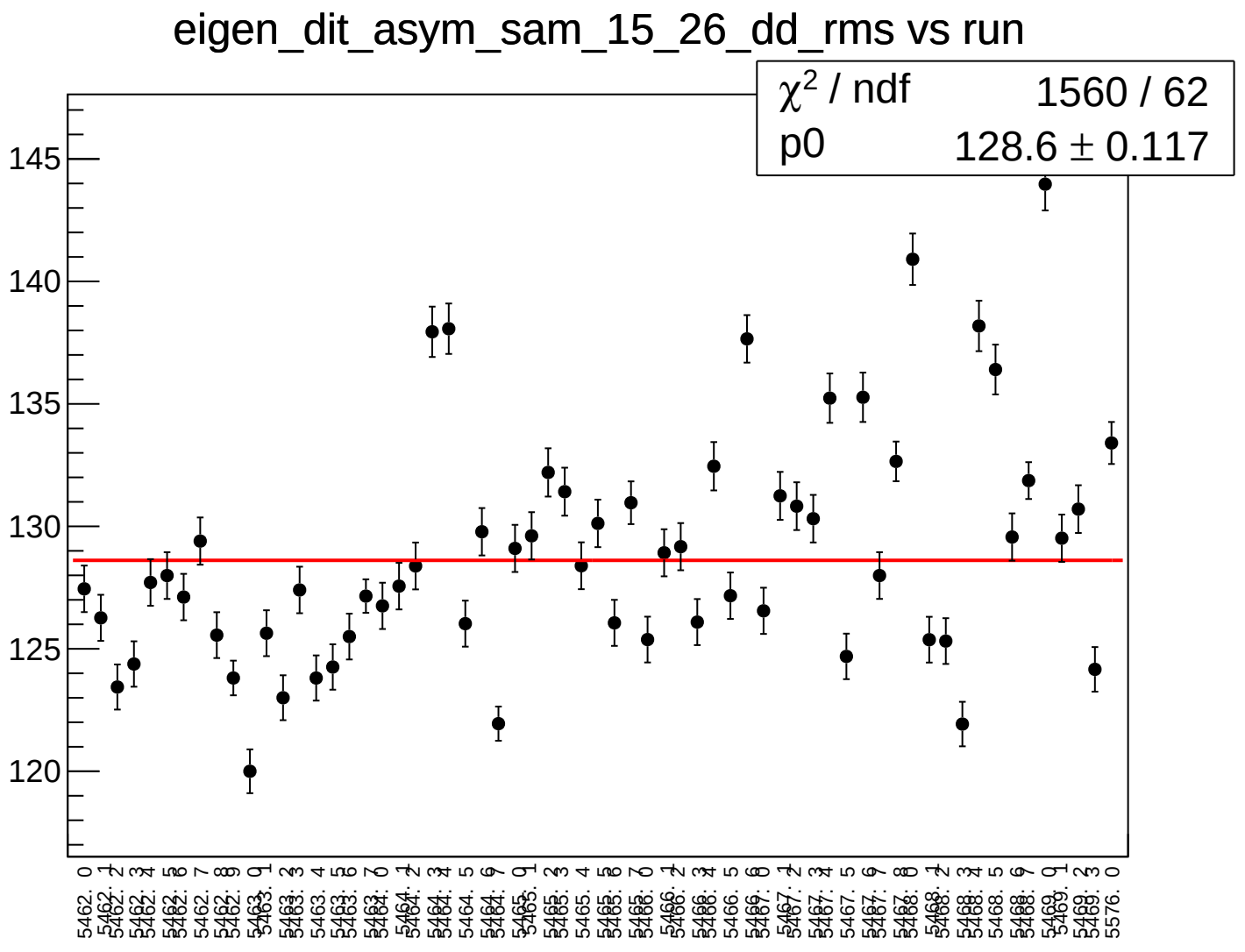

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1560 / 62
p0 128.6 ± 0.117
145
140
135
130
125
120

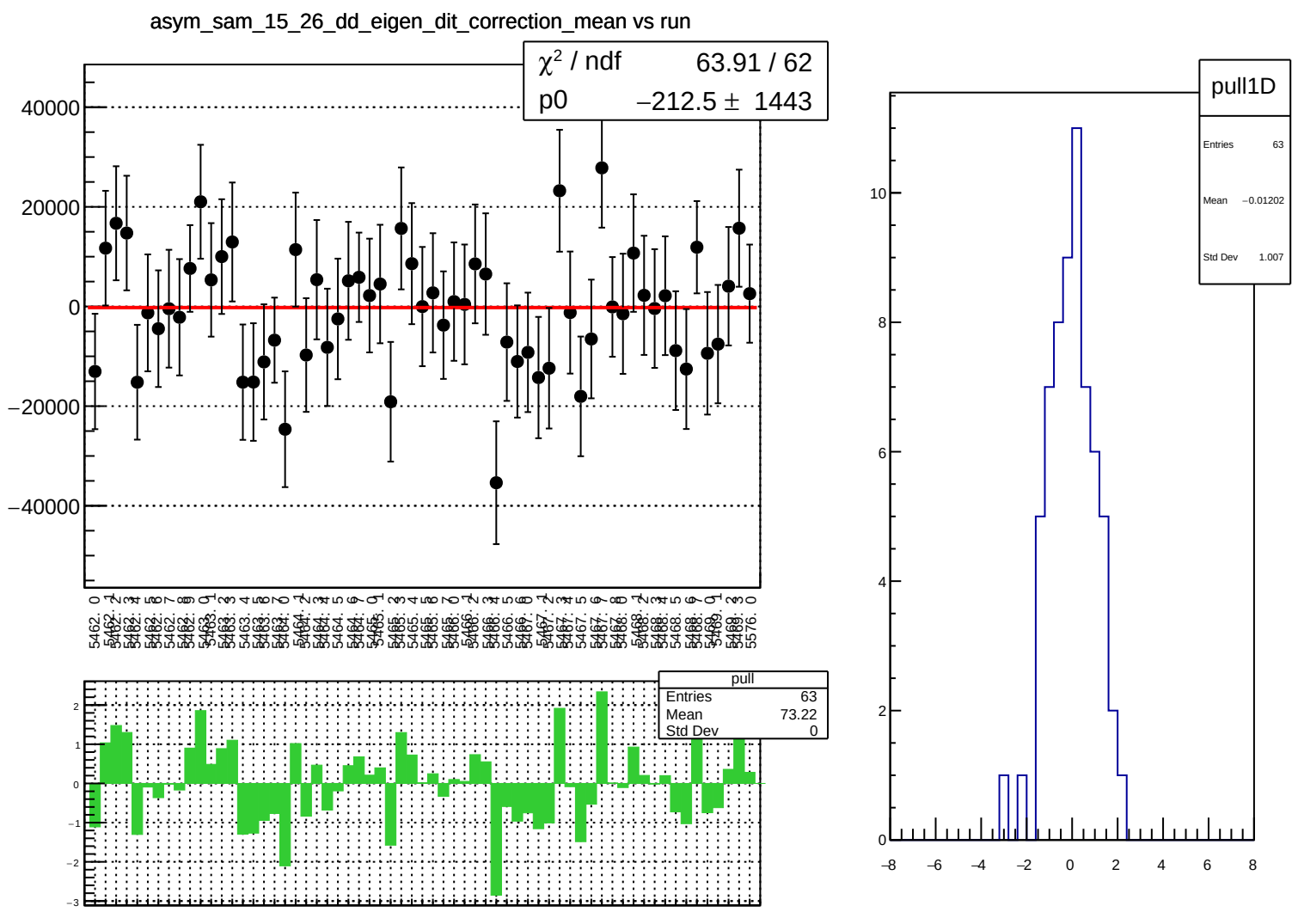

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 63.91 / 62
p0 −212.5 ± 1443
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 73.22
Std Dev 0
2
1
0
−1
−2
−3

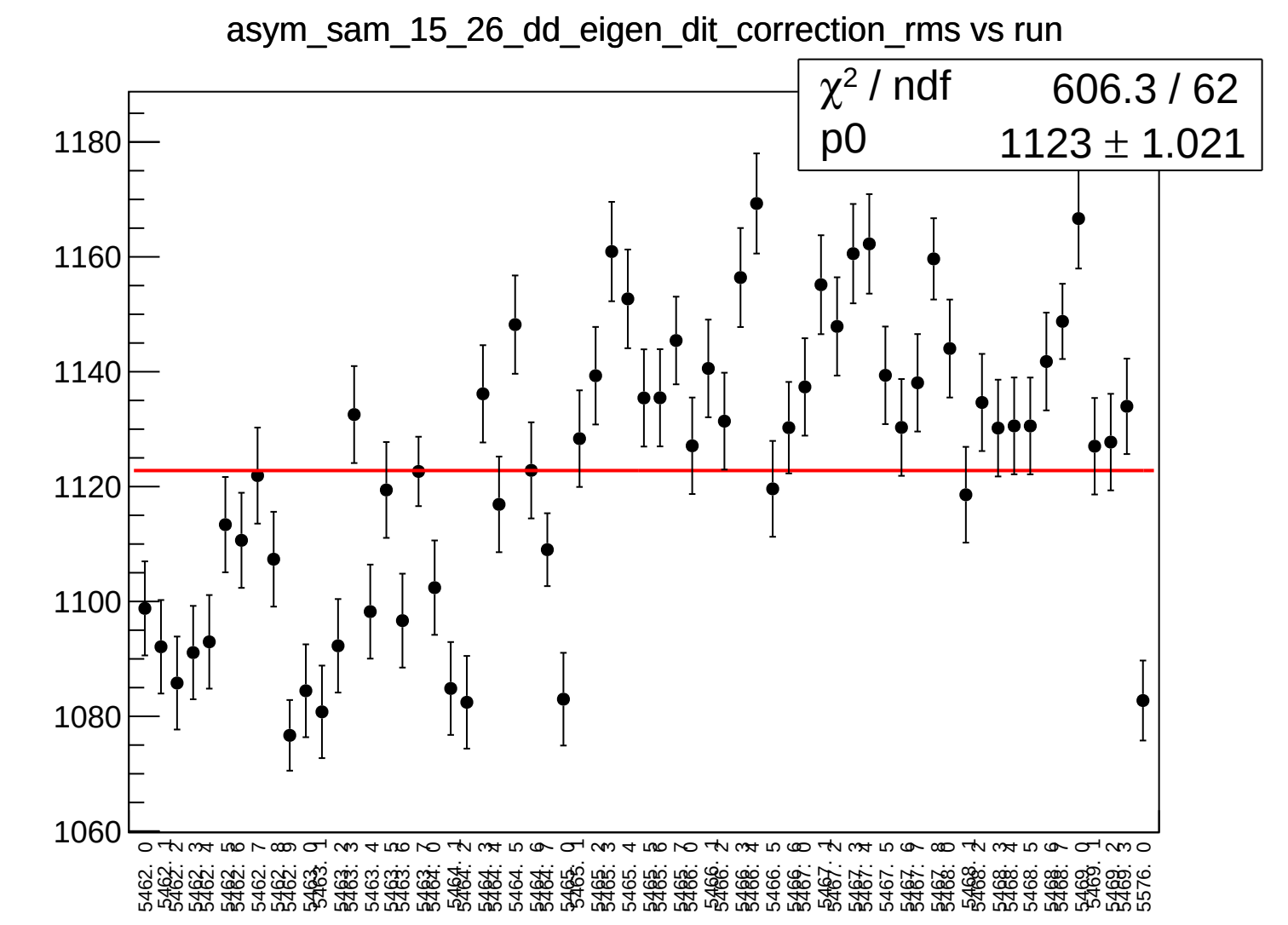

pull1D
Entries 63
Mean −0.01202
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

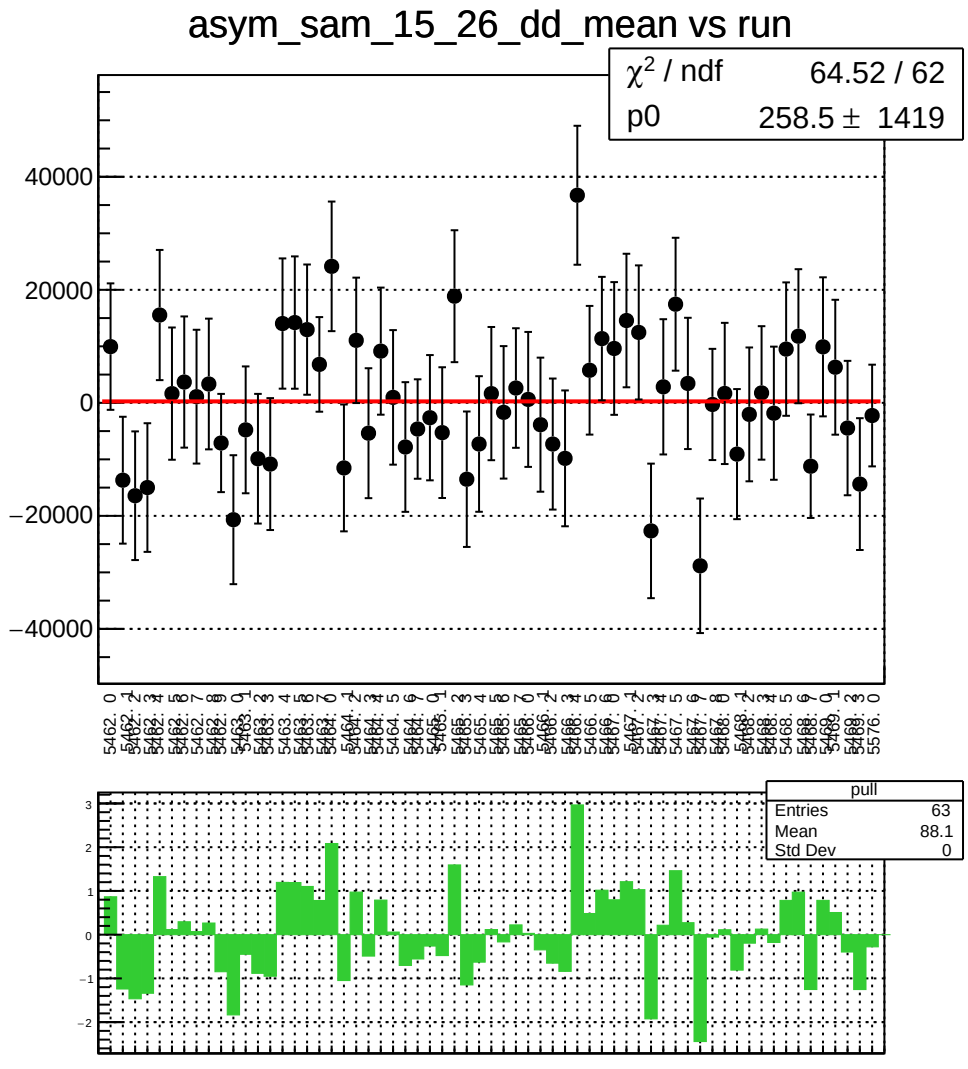

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 606.3 / 62
p0 1123 ± 1.021
1180
1160
1140
1120
1100
1080
1060

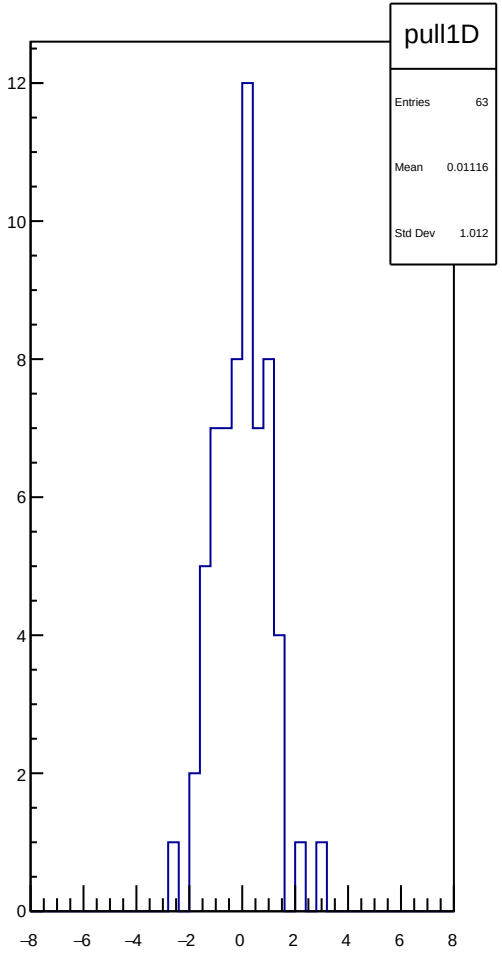

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.11 / 62
p0 49.18 ± 165.4
4000
2000
0
−2000
−4000
pull
Entries 63
Mean −94.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 63
Mean −0.009605
Std Dev 0.9767
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

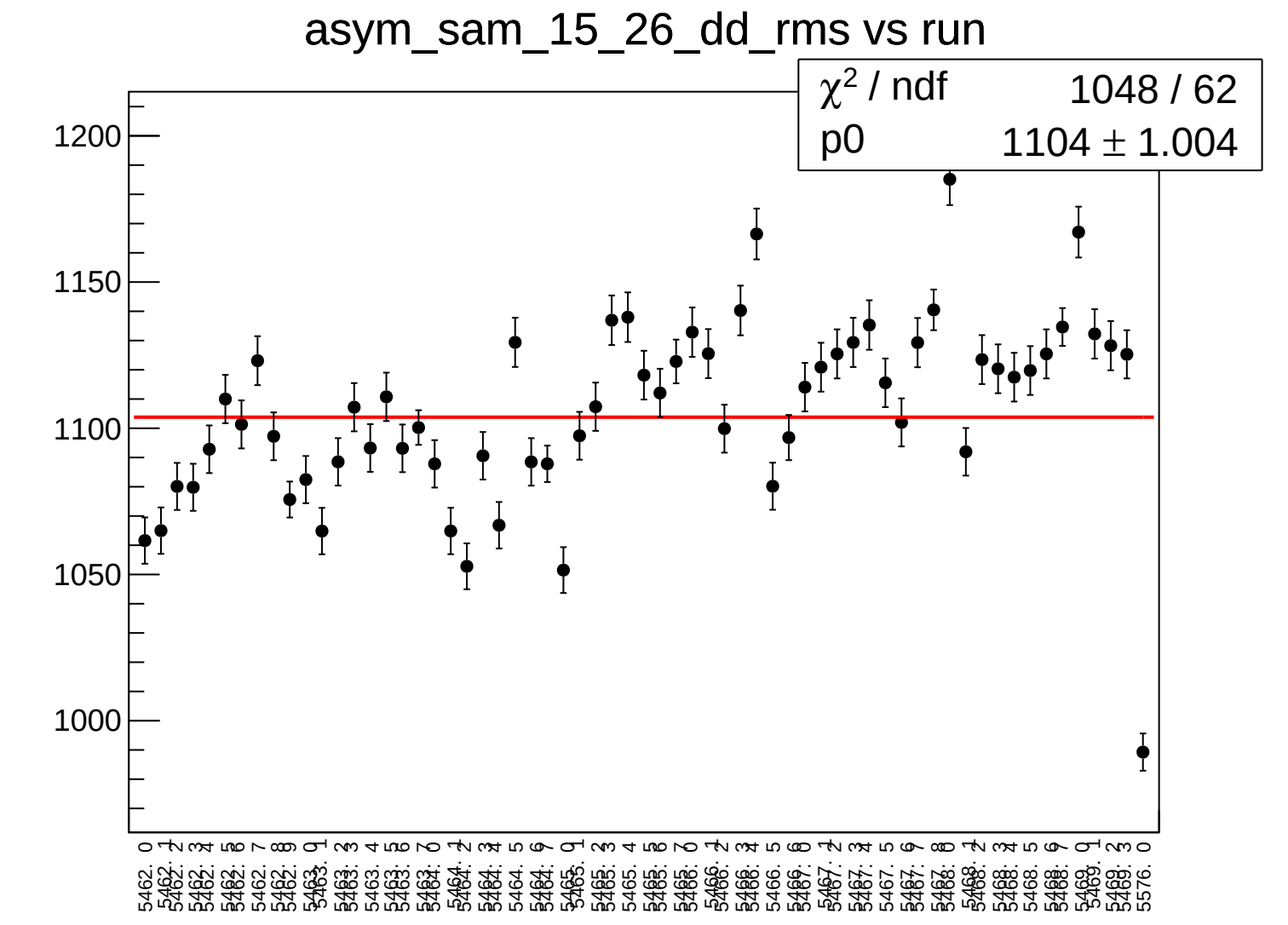

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1560 / 62
p0 128.6 ± 0.117
145
140
135
130
125
120

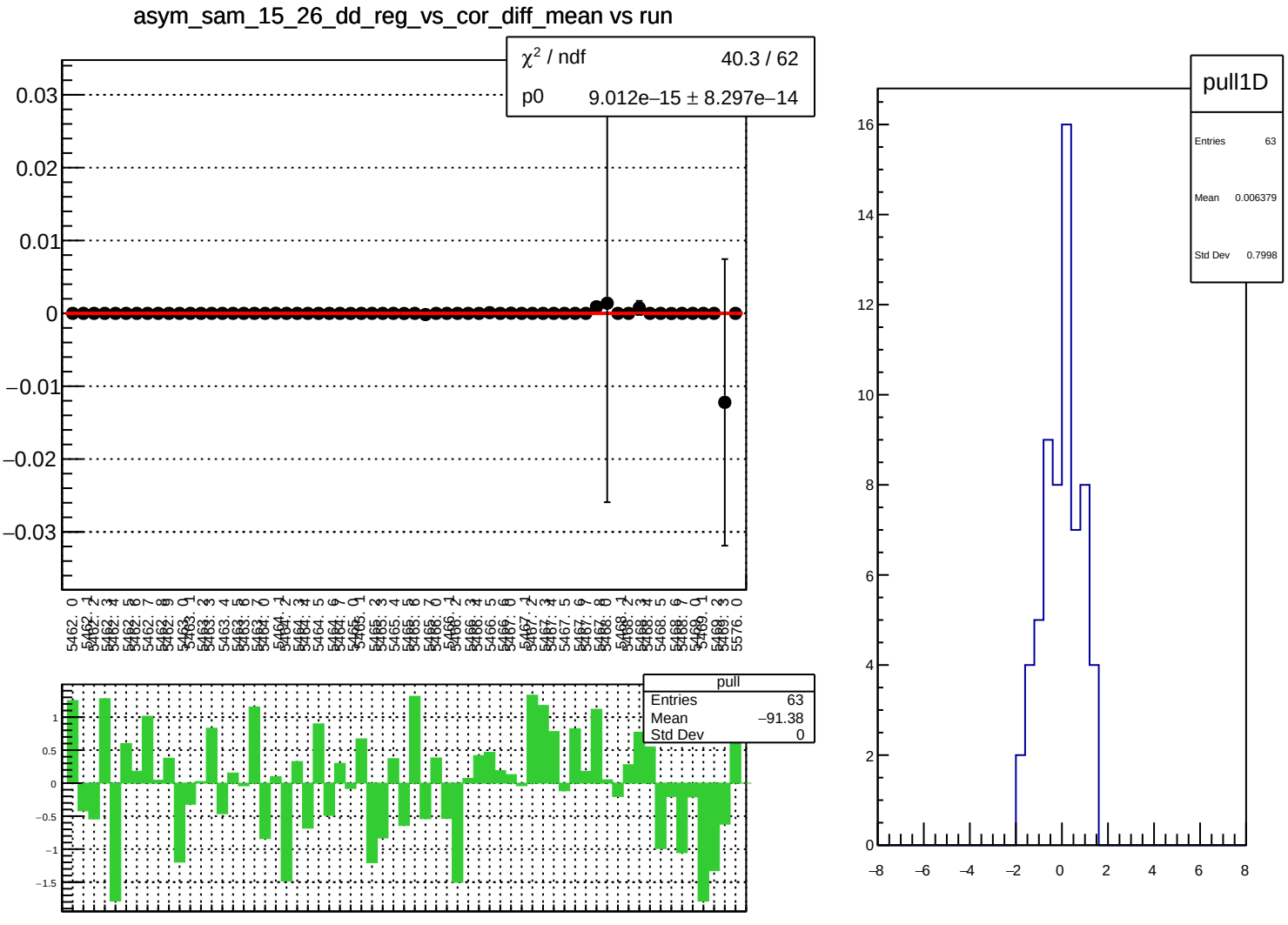

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.91 / 62
p0 −212.5 ± 1443
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 73.22
Std Dev 0
pull1D
Entries 63
Mean −0.01202
Std Dev 1.007

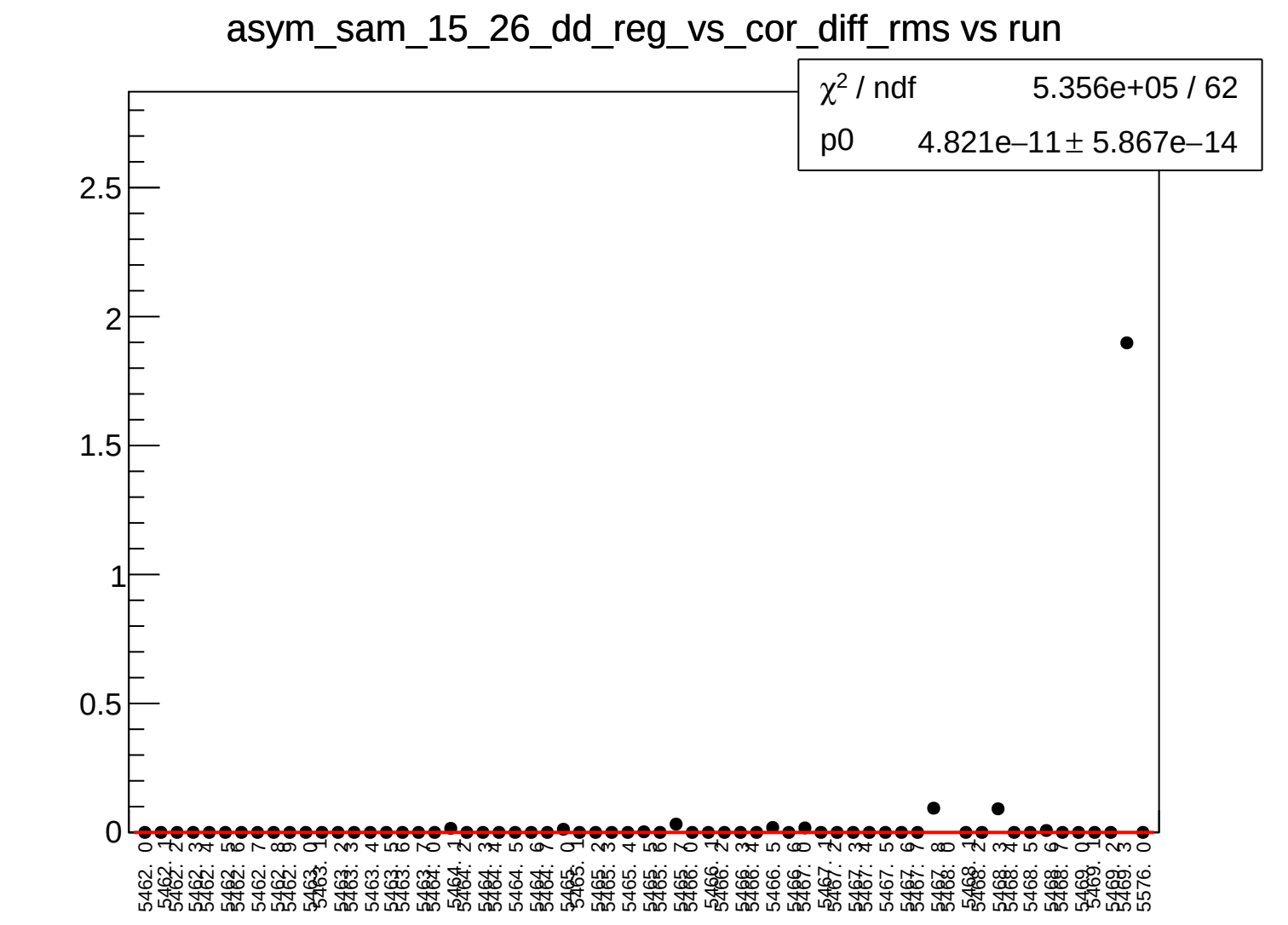

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 606.3 / 62
p0 1123 ± 1.021
1180
1160
1140
1120
1100
1080
1060

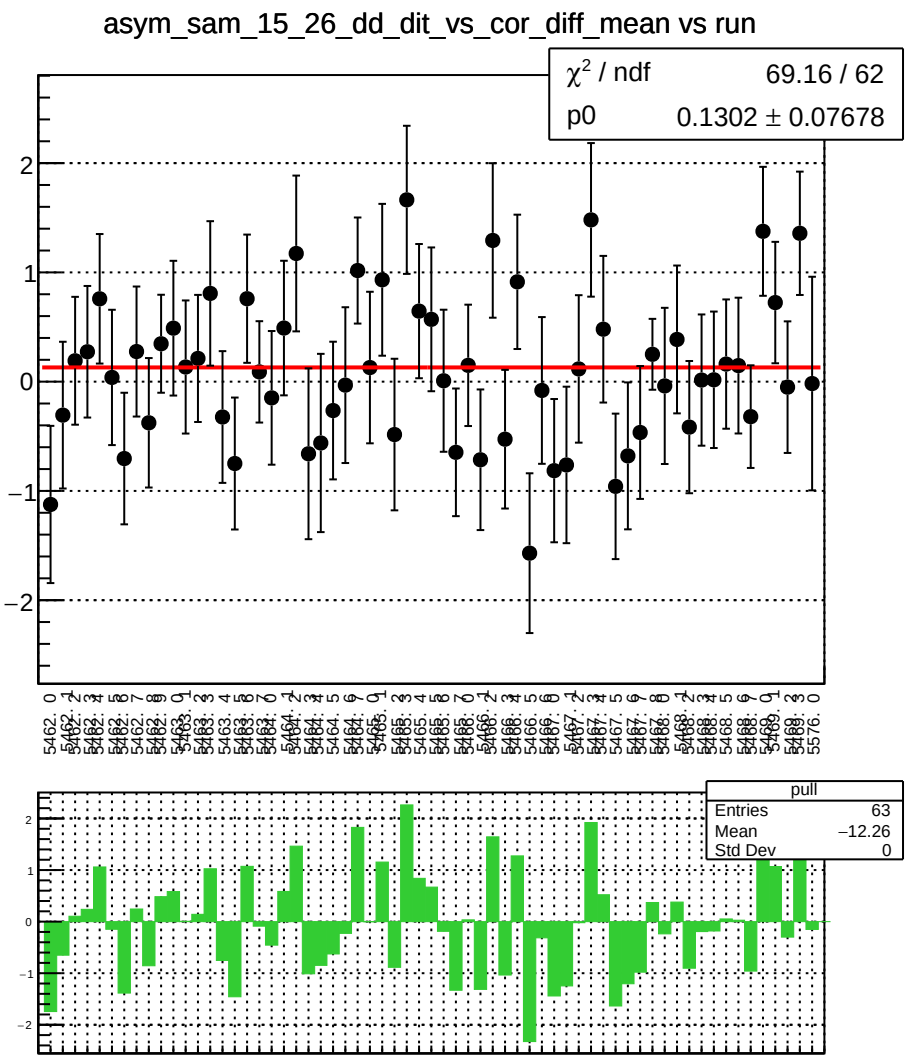

asym_sam_15_26_dd_mean vs run
χ² / ndf 64.52 / 62
p0 258.5 ± 1419
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 88.1
Std Dev 0
3
2
1
0
−1
−2

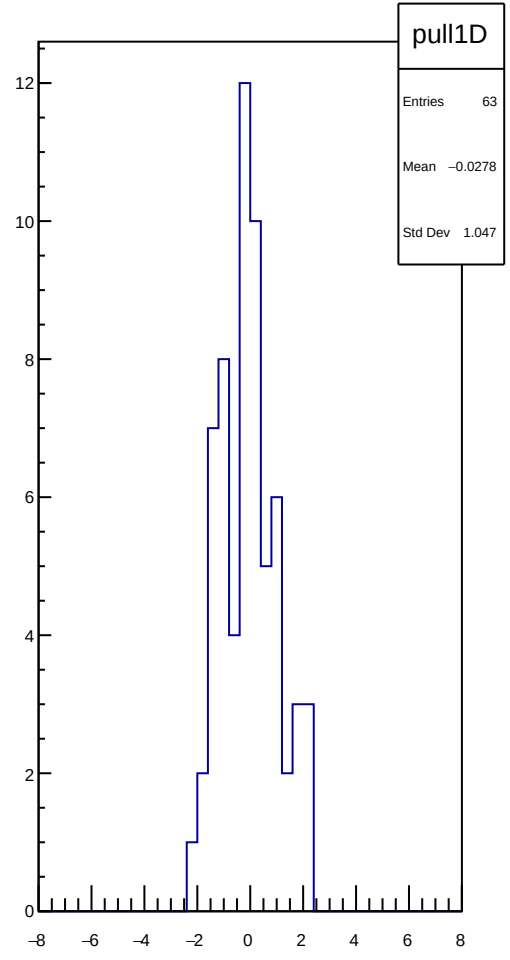

pull1D
Entries 63
Mean 0.01116
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

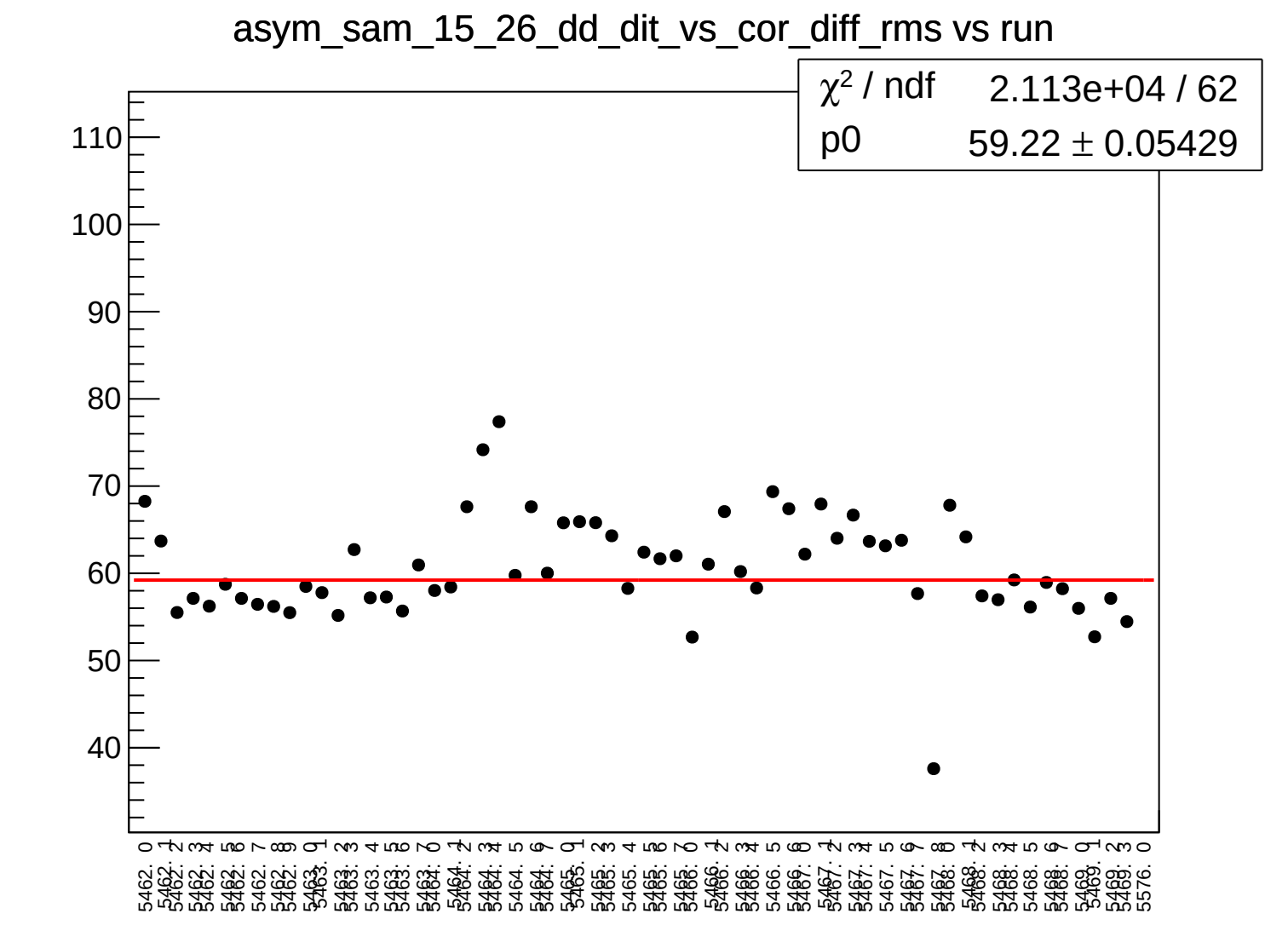

asym_sam_15_26_dd_rms vs run
χ² / ndf 1048 / 62
p0 1104 ± 1.004
1200
1150
1100
1050
1000

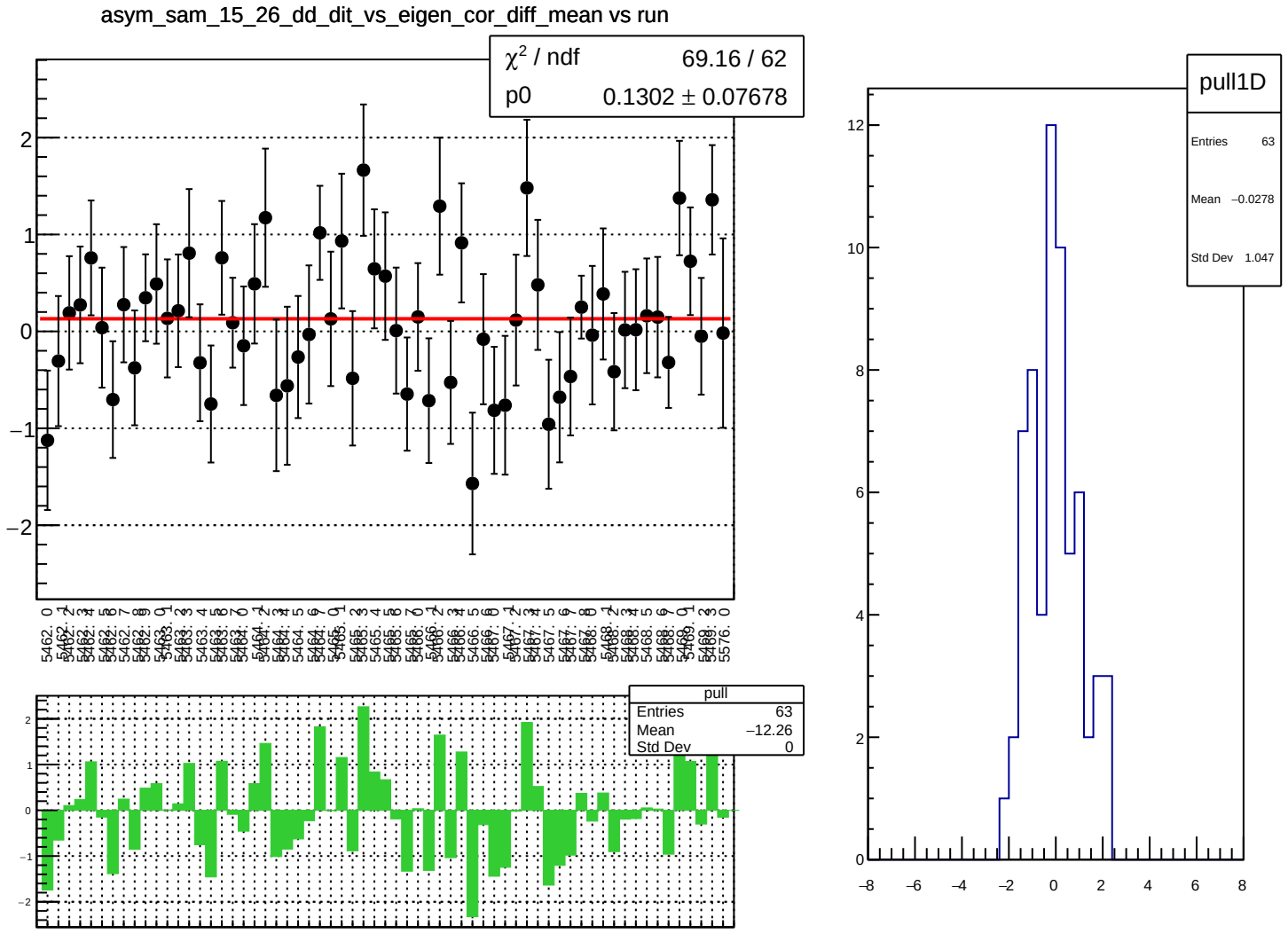

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.3 / 62
p0 9.012e−15 ± 8.297e−14
pull
Entries 63
Mean −91.38
Std Dev 0
pull1D
Entries 63
Mean 0.006379
Std Dev 0.7998

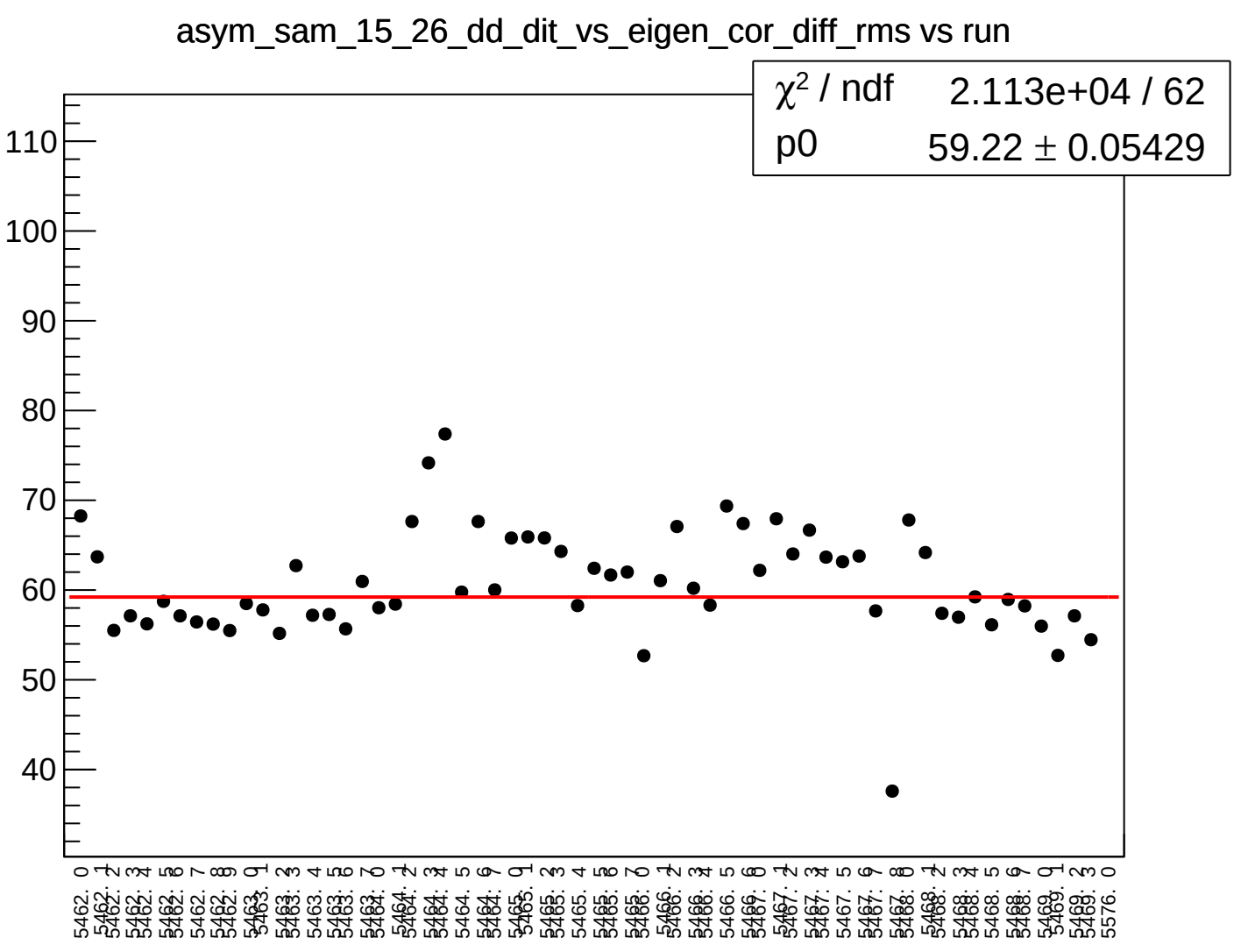

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.356e+05 / 62
p0 4.821e−11 ± 5.867e−14
2.5
2
1.5
1
0.5
0

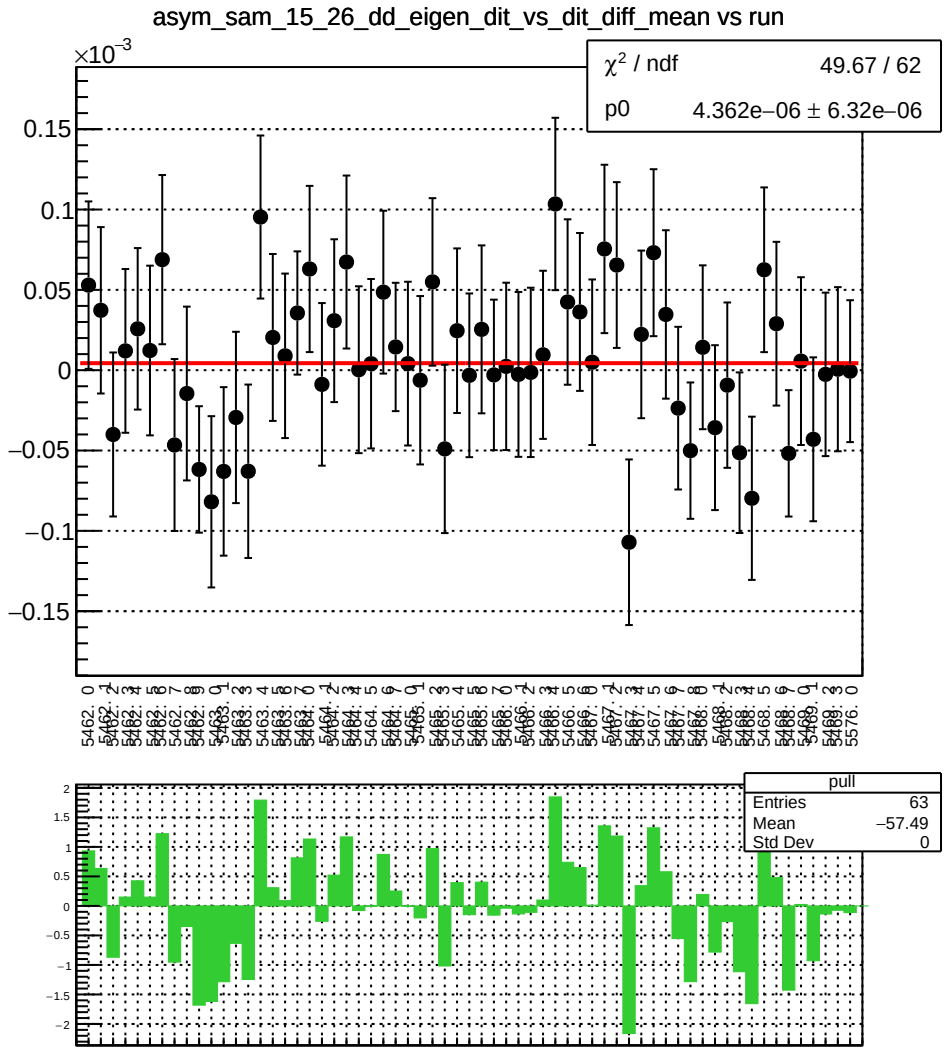

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.16 / 62
p0 0.1302 ± 0.07678
pull
Entries 63
Mean −12.26
Std Dev 0

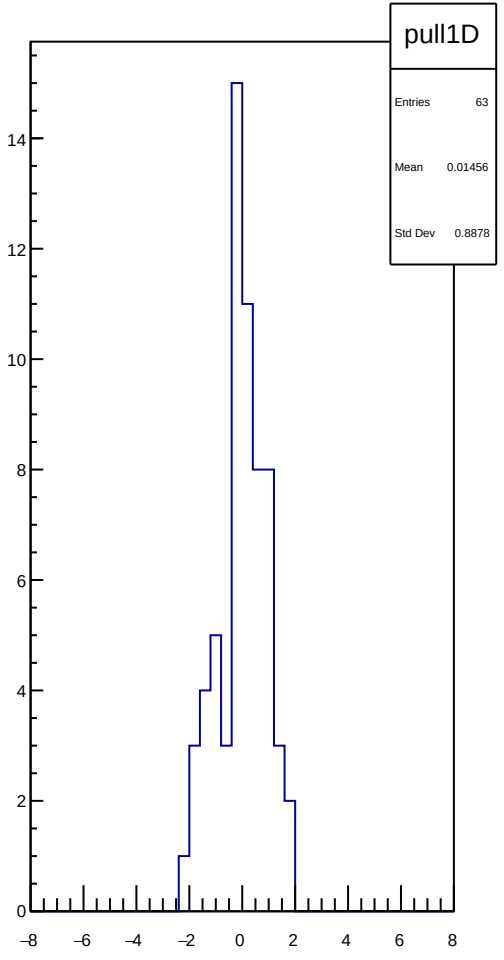

pull1D
Entries 63
Mean −0.0278
Std Dev 1.047

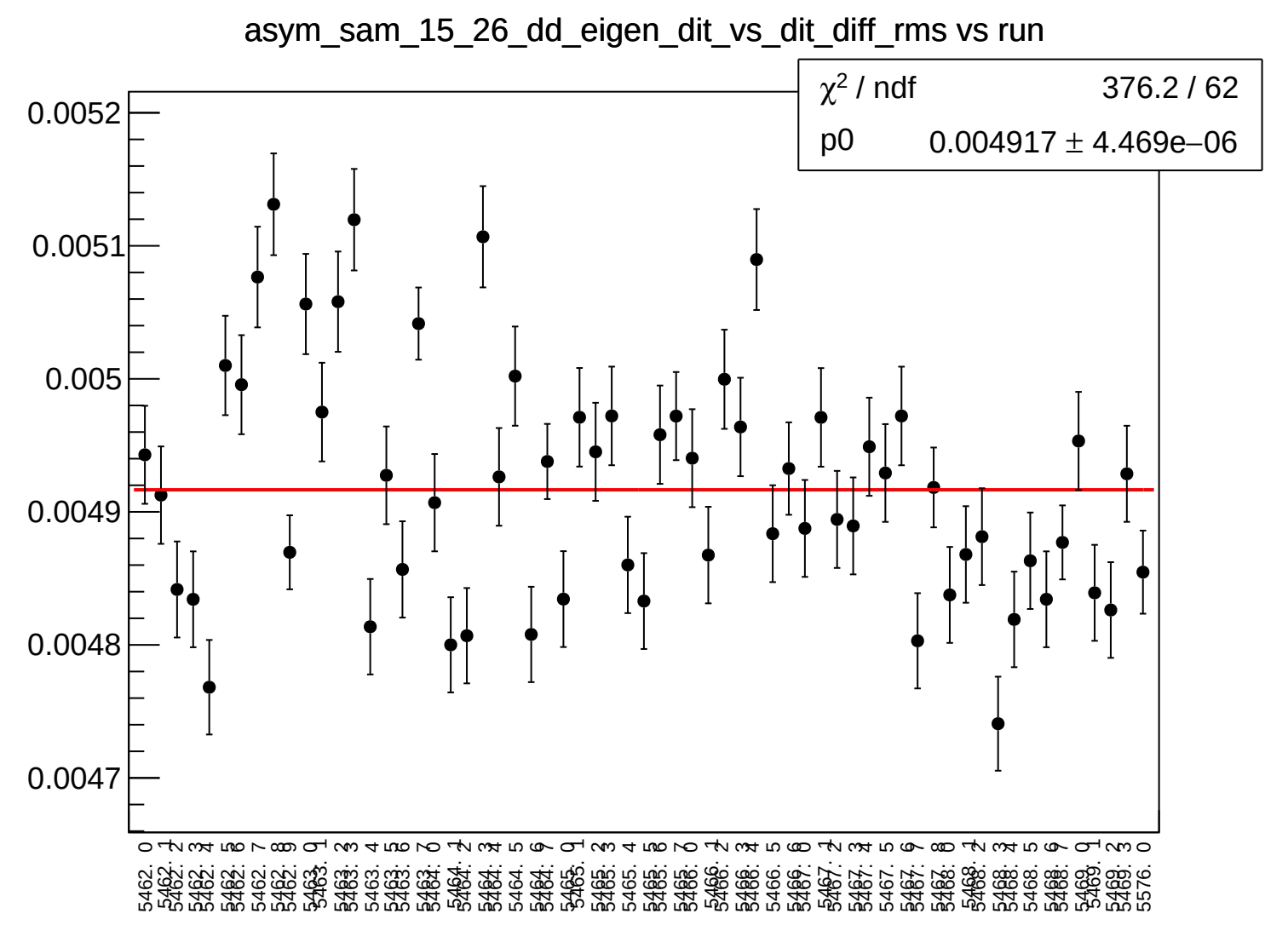

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.113e+04 / 62
p0 59.22 ± 0.05429
110
100
90
80
70
60
50
40

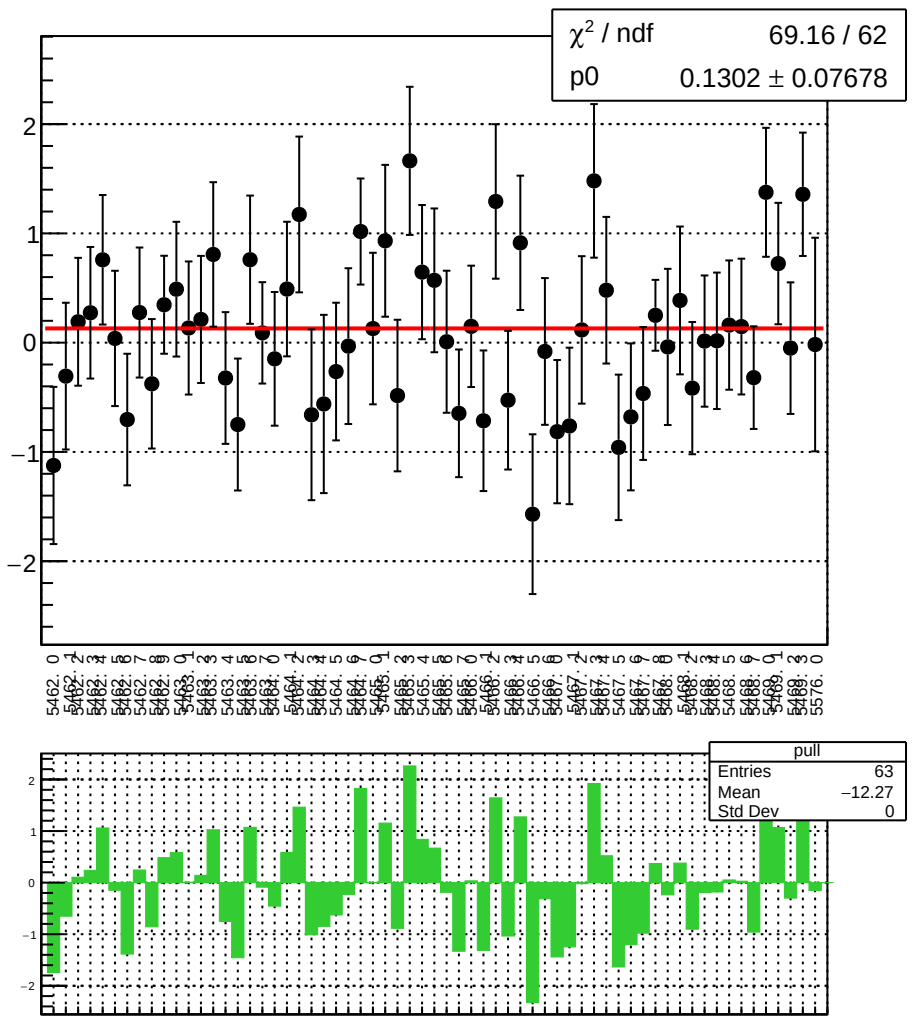

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.16 / 62
p0 0.1302 ± 0.07678
pull
Entries 63
Mean −12.26
Std Dev 0
pull1D
Entries 63
Mean −0.0278
Std Dev 1.047

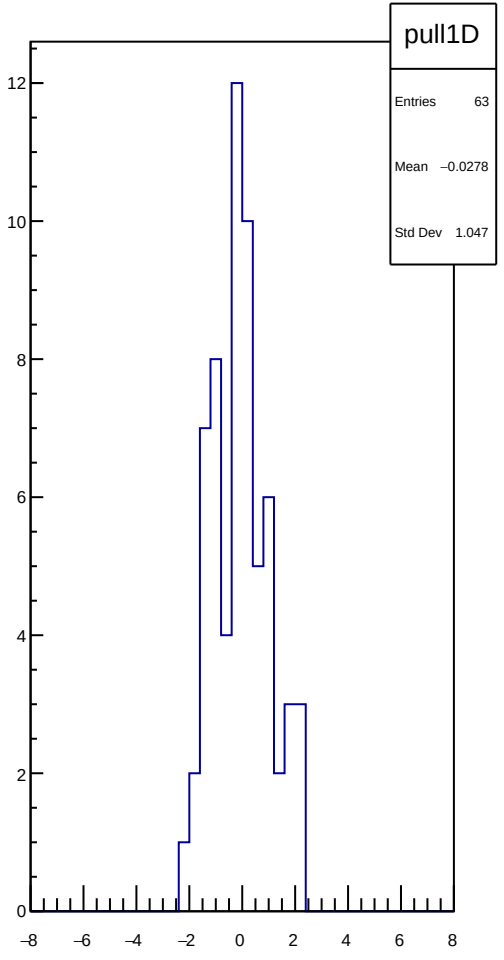

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.113e+04 / 62
p0 59.22 ± 0.05429
110
100
90
80
70
60
50
40

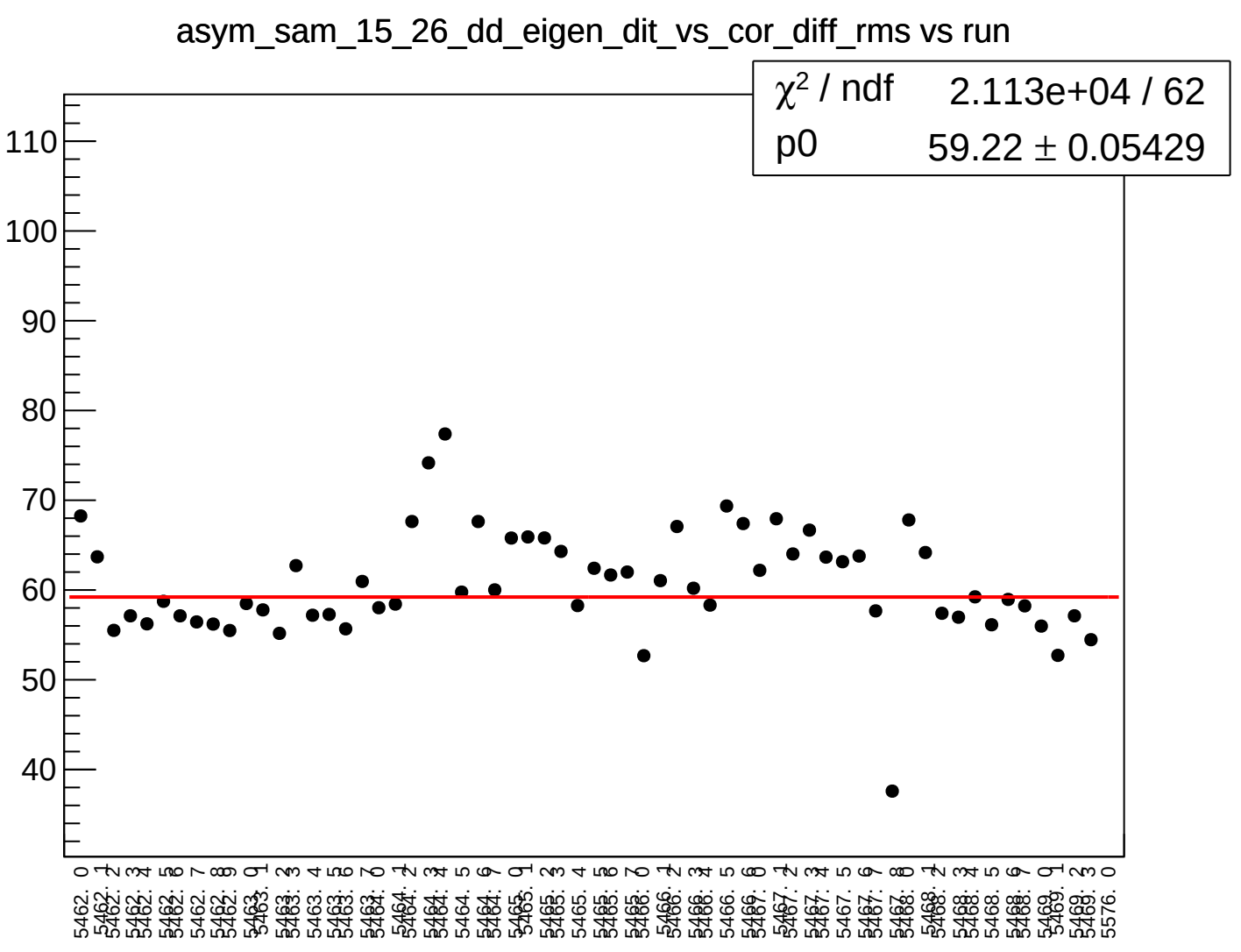

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.67 / 62
p0 4.362e−06 ± 6.32e−06
pull
Entries 63
Mean −57.49
Std Dev 0


pull1D
Entries 63
Mean 0.01456
Std Dev 0.8878

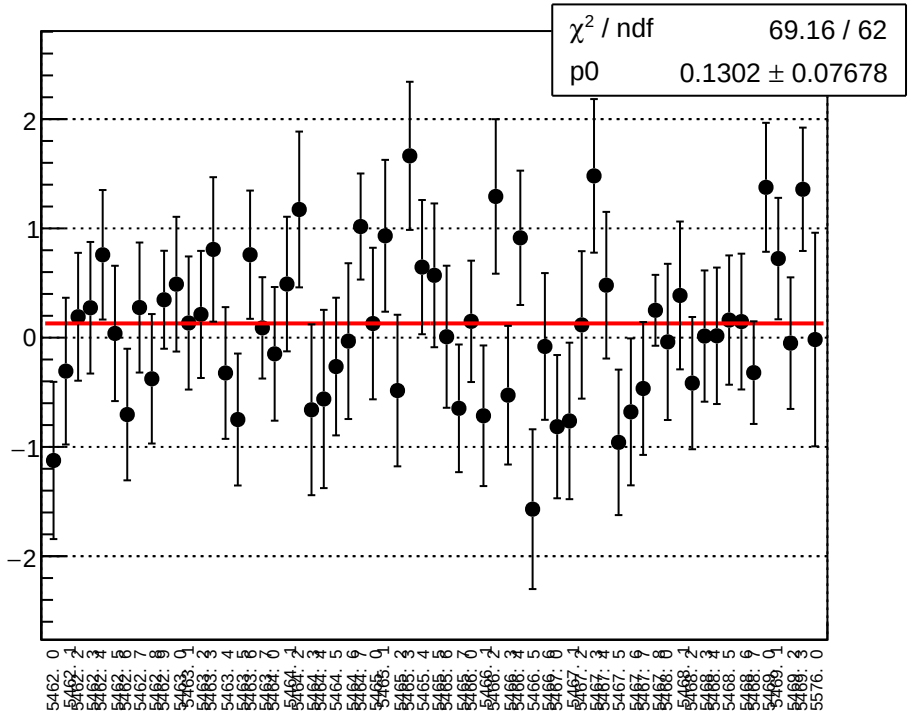

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 376.2 / 62
p0 0.004917 ± 4.469e−06
0.0052
0.0051
0.005
0.0049
0.0048
0.0047

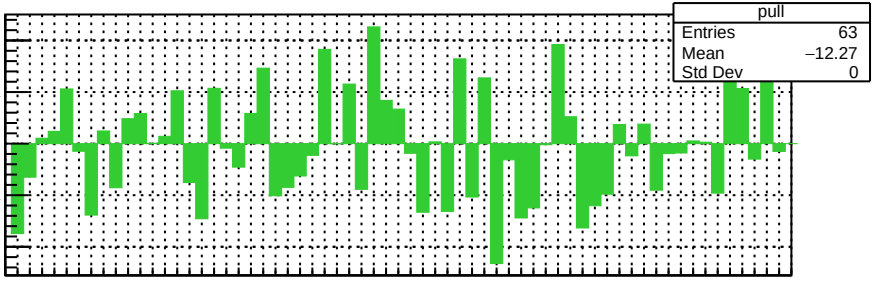

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.16 / 62
p0 0.1302 ± 0.07678
pull
Entries 63
Mean −12.27
Std Dev 0

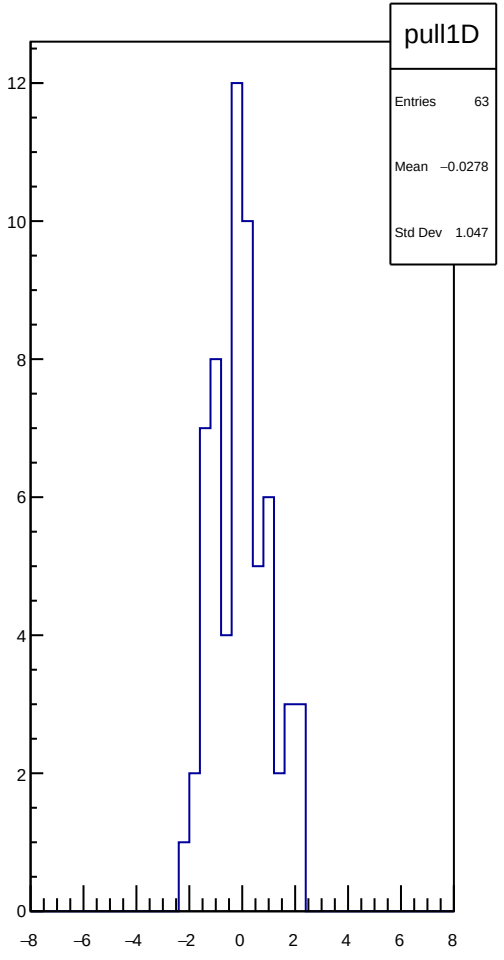

pull1D
Entries 63
Mean −0.0278
Std Dev 1.047

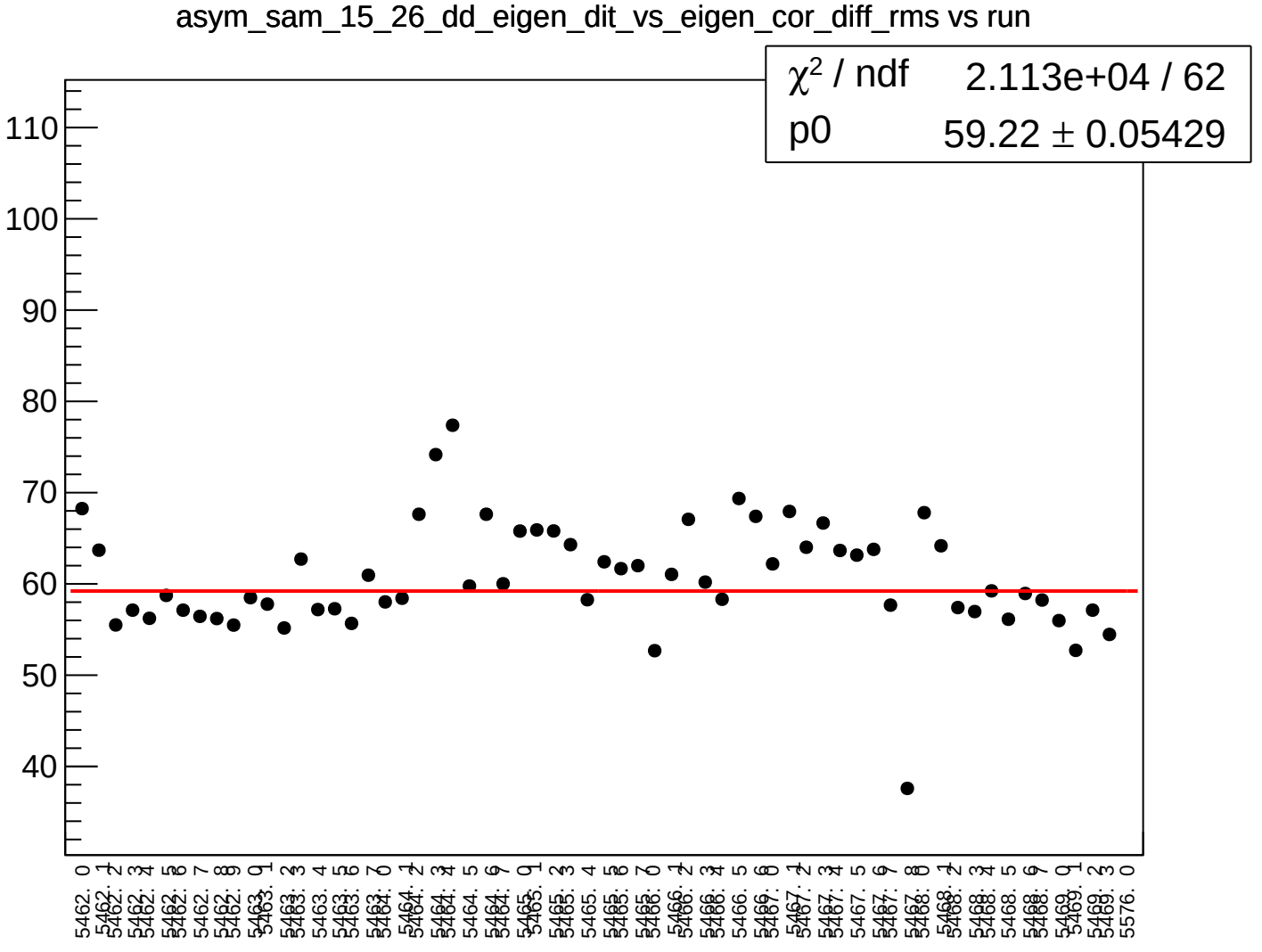

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.113e+04 / 62
p0 59.22 ± 0.05429
110
100
90
80
70
60
50
40

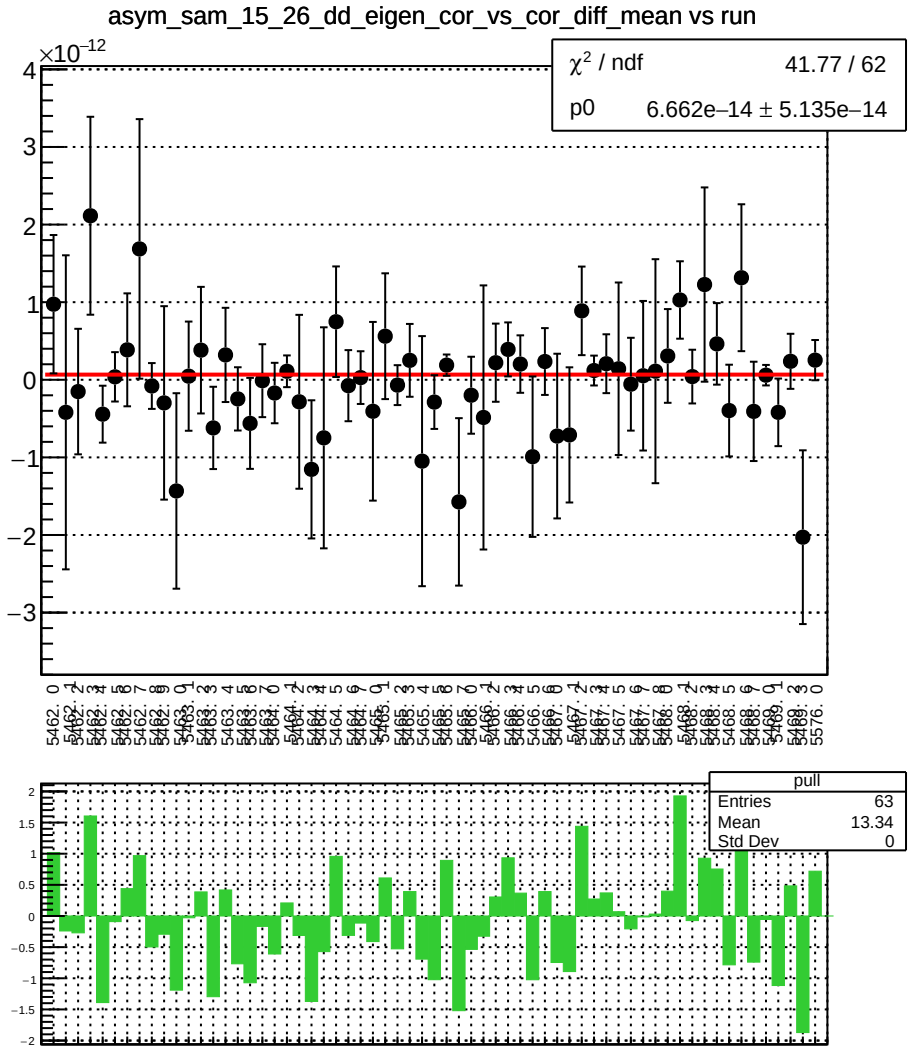
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

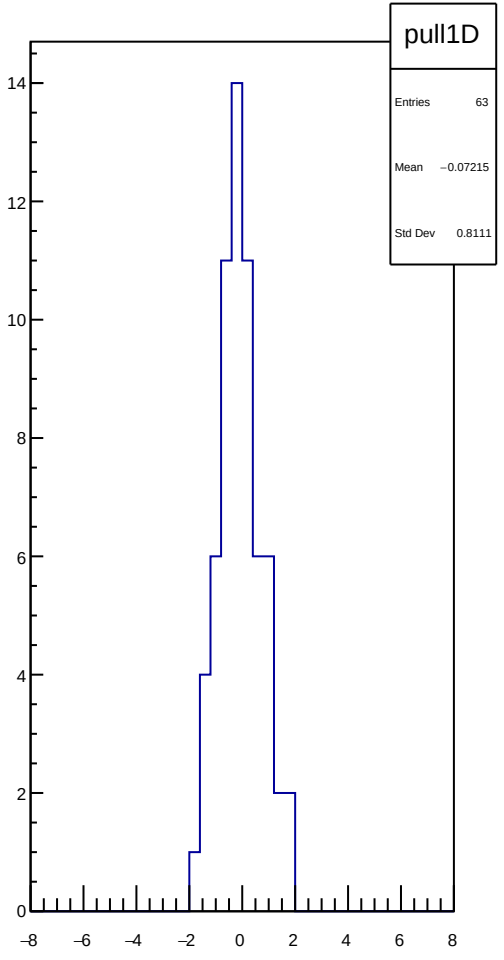


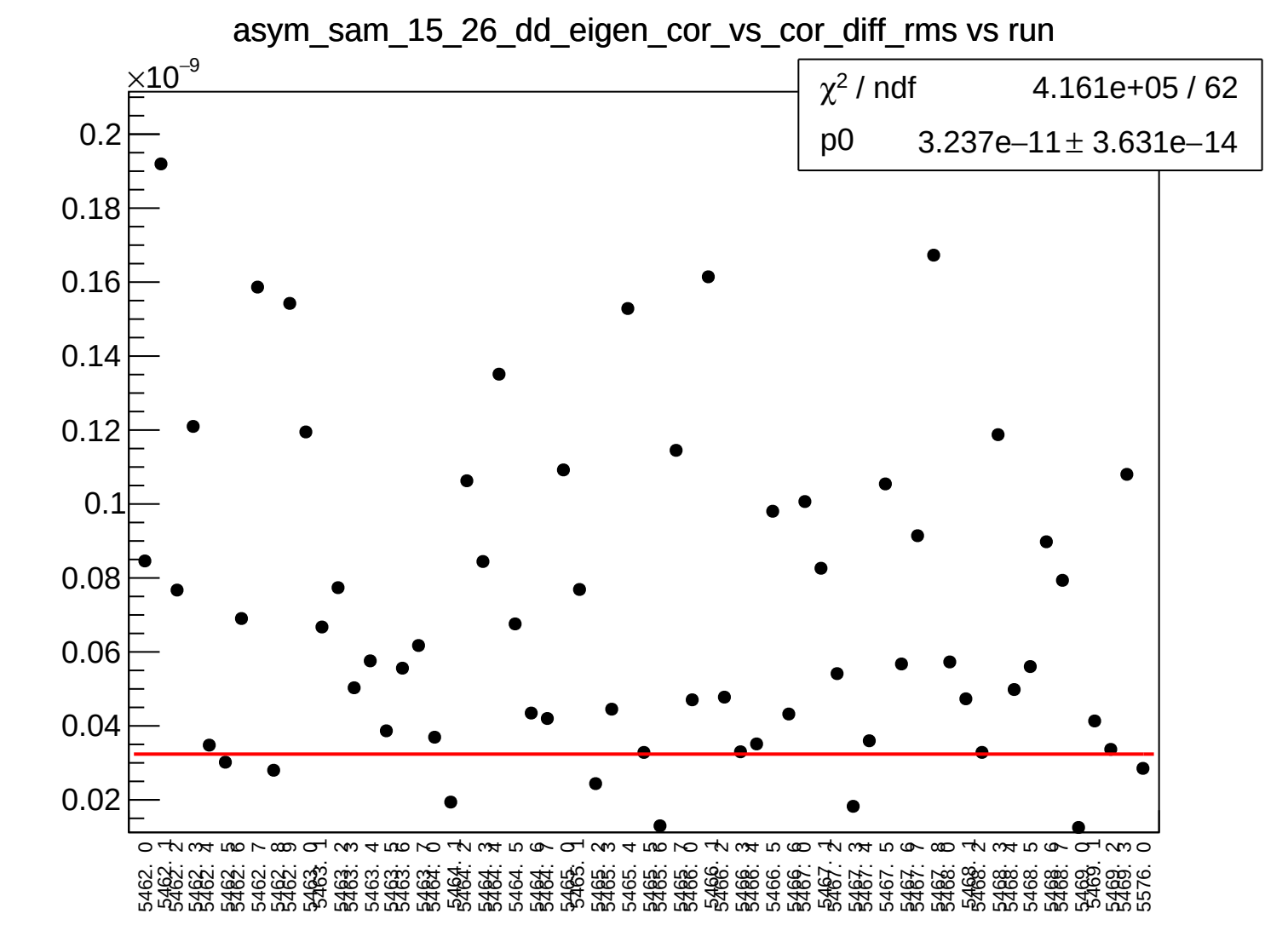


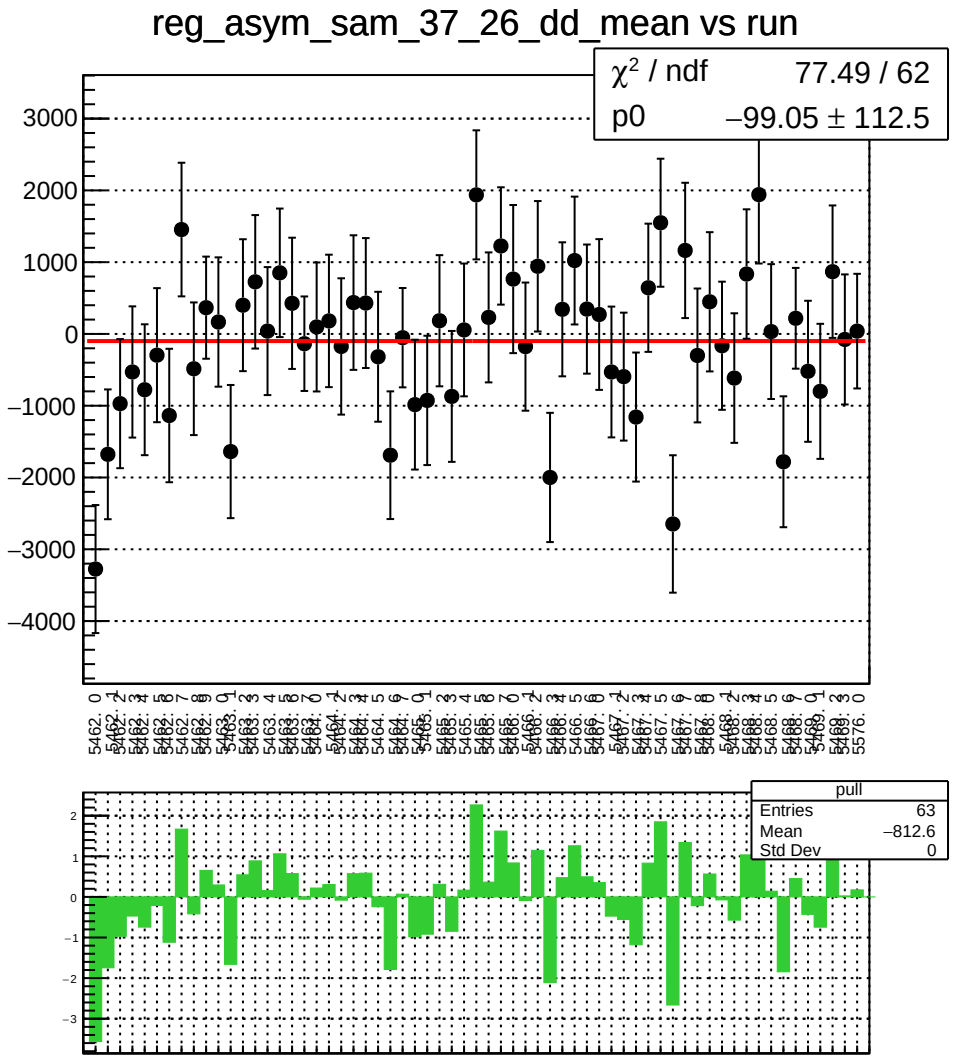


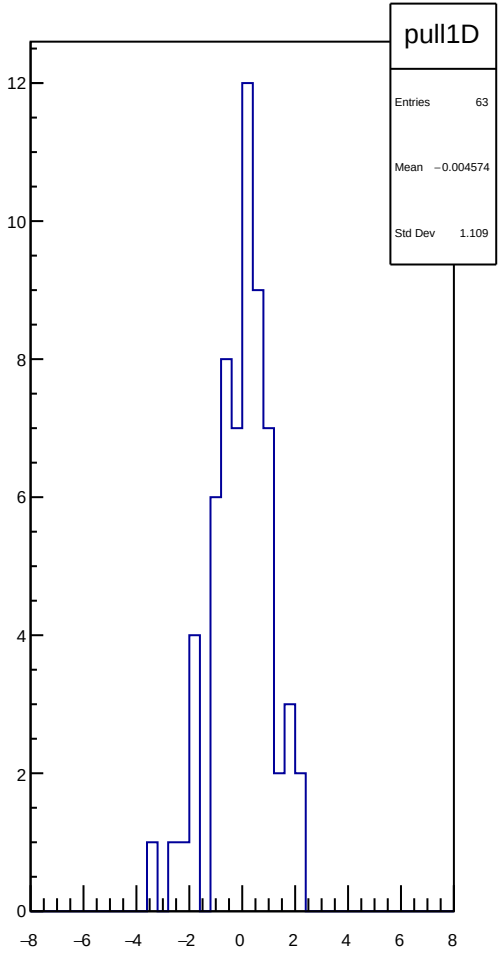

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.113e+04 / 62
p0 59.22 ± 0.05429
110
100
90
80
70
60
50
40

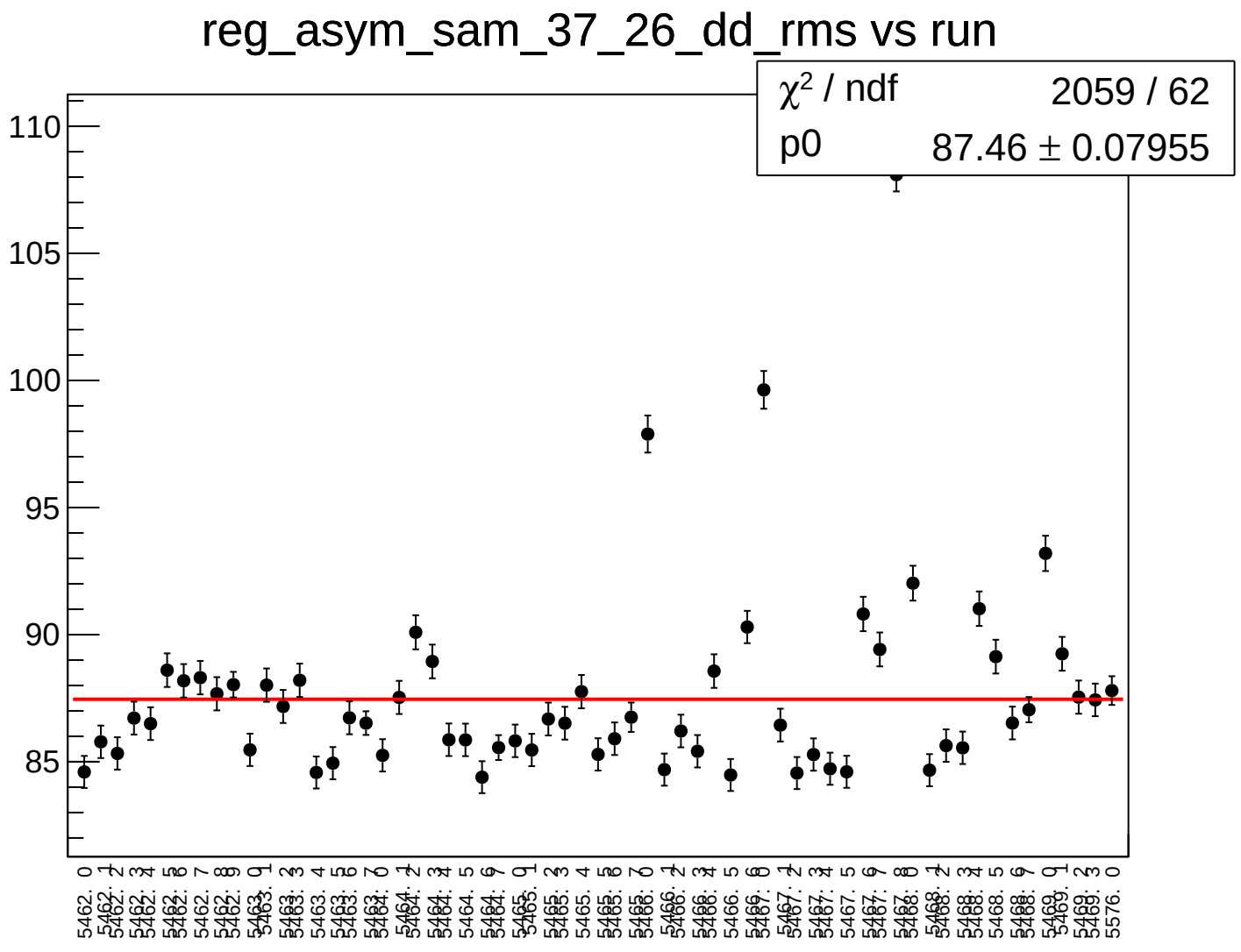

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.77 / 62
p0 6.662e−14 ± 5.135e−14
pull
Entries 63
Mean 13.34
Std Dev 0

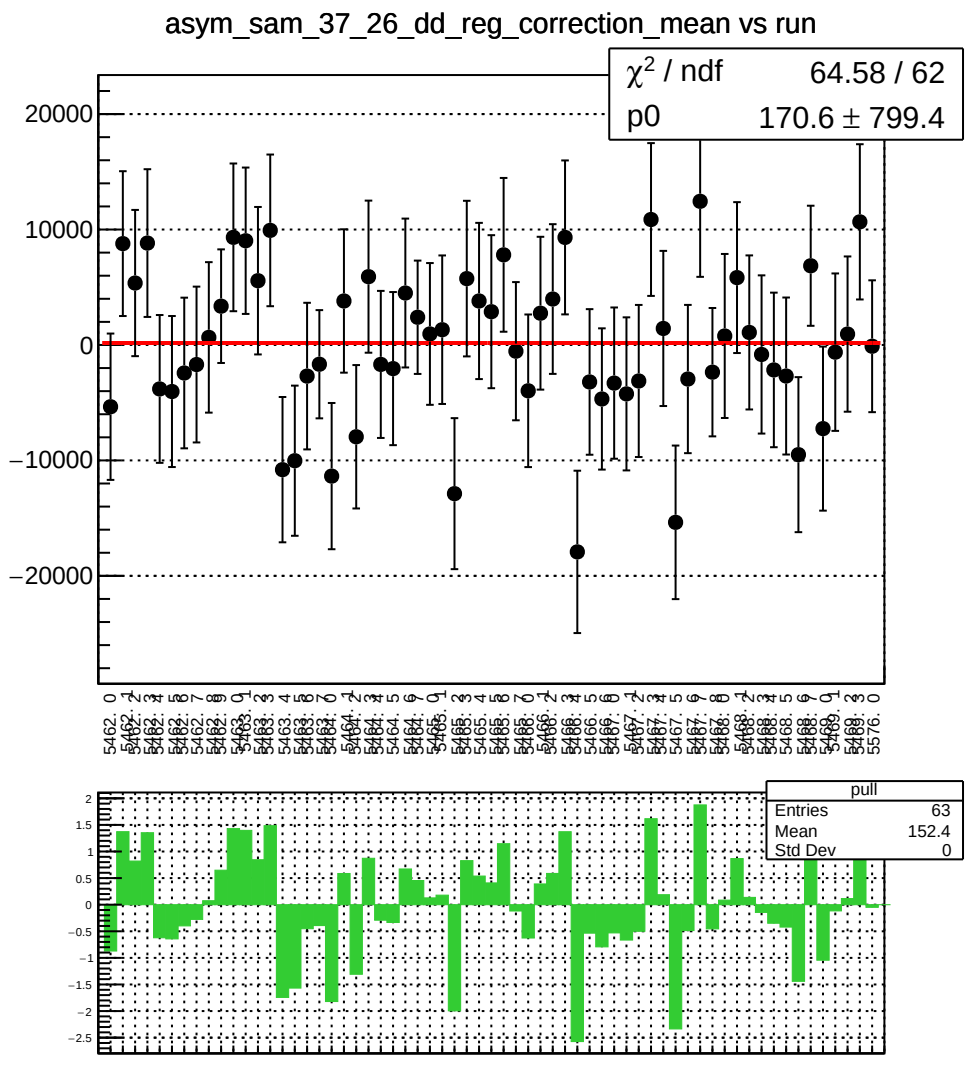

pull1D
Entries 63
Mean −0.07215
Std Dev 0.8111

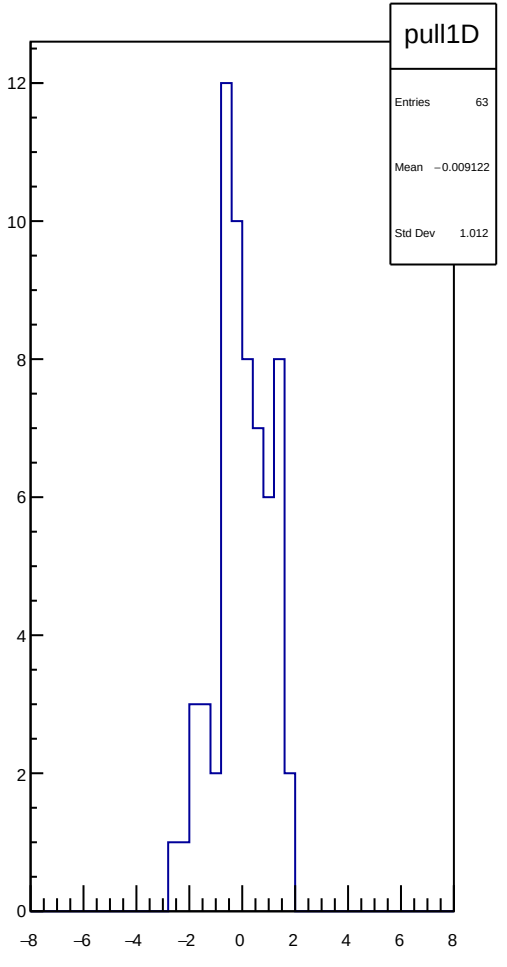

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.161e+05 / 62
p0 3.237e−11 ± 3.631e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

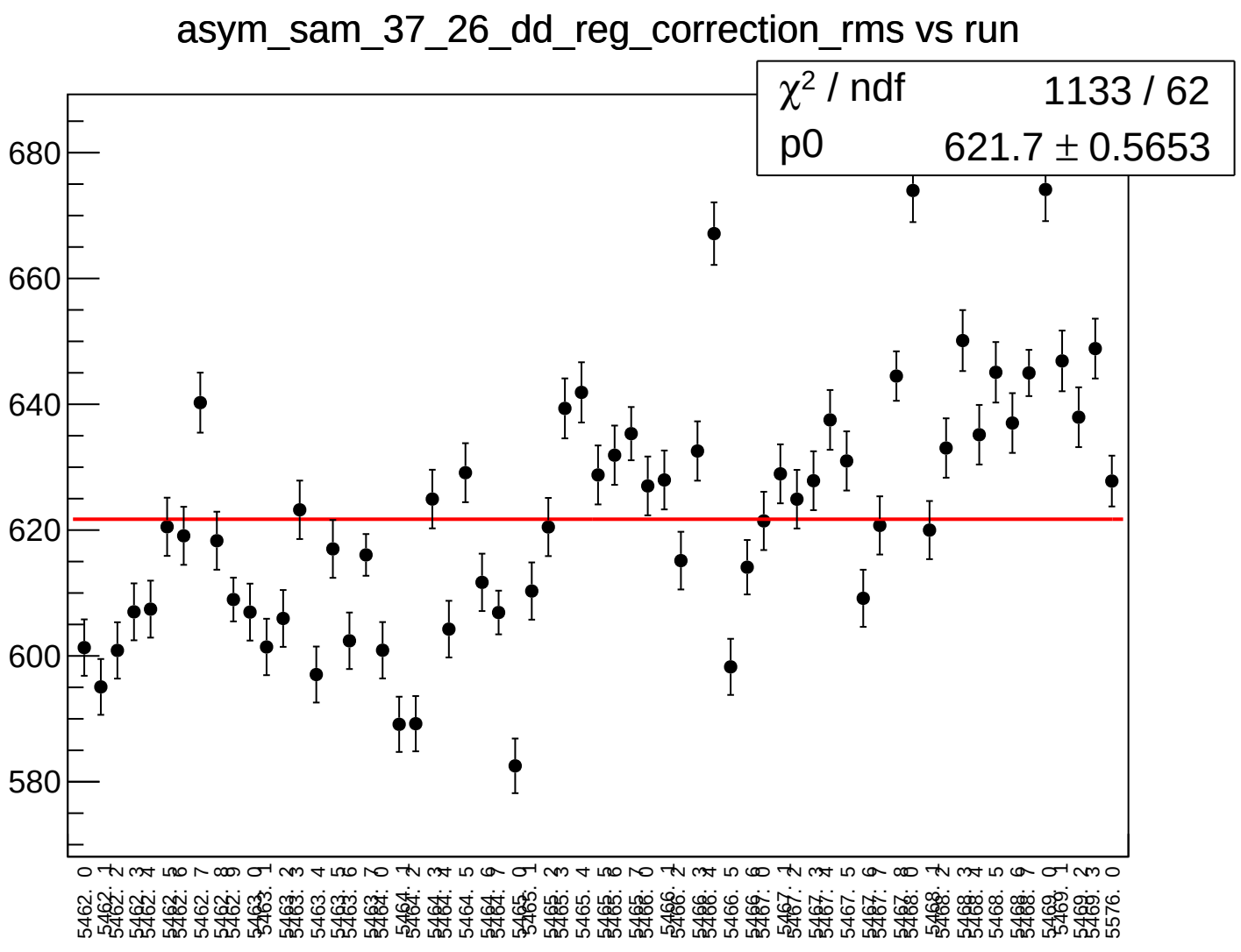

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 77.49 / 62
p0 −99.05 ± 112.5
pull
Entries 63
Mean −812.6
Std Dev 0

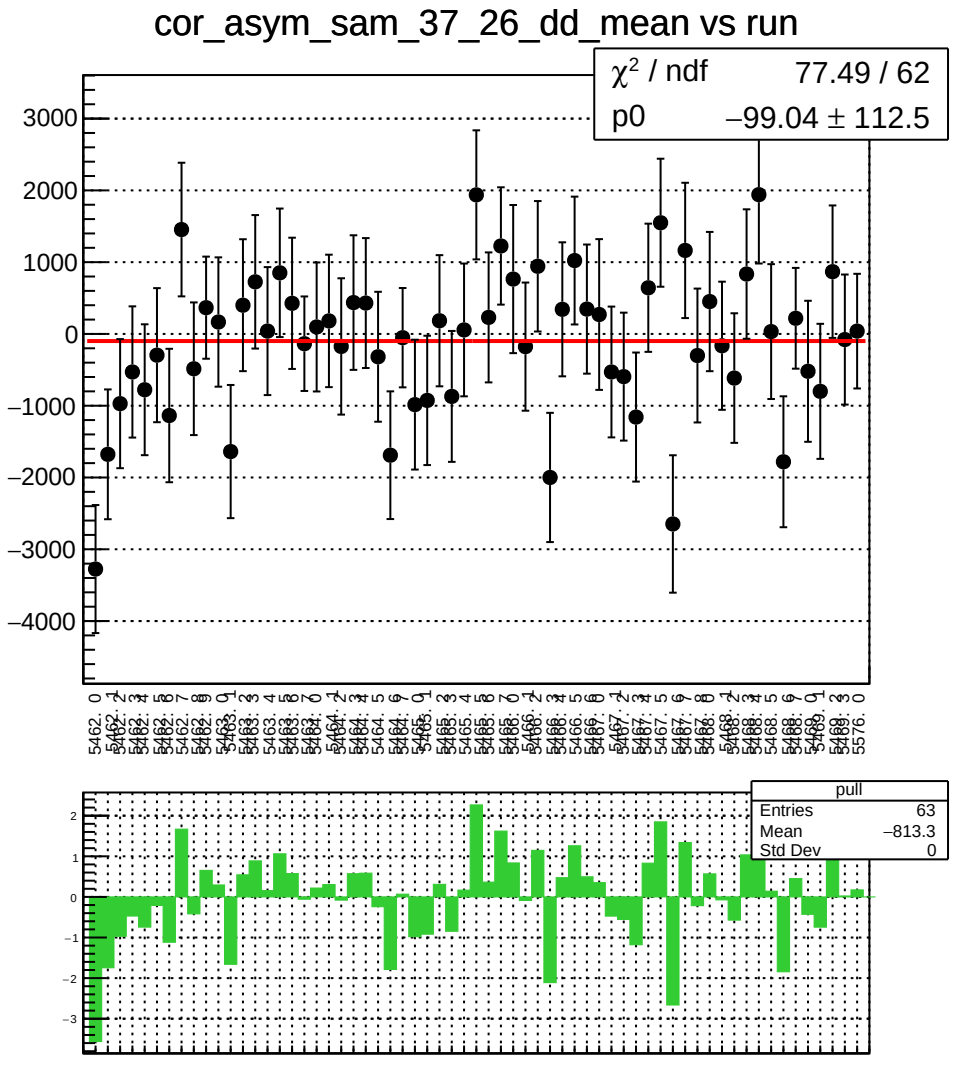

pull1D
Entries 63
Mean −0.004574
Std Dev 1.109

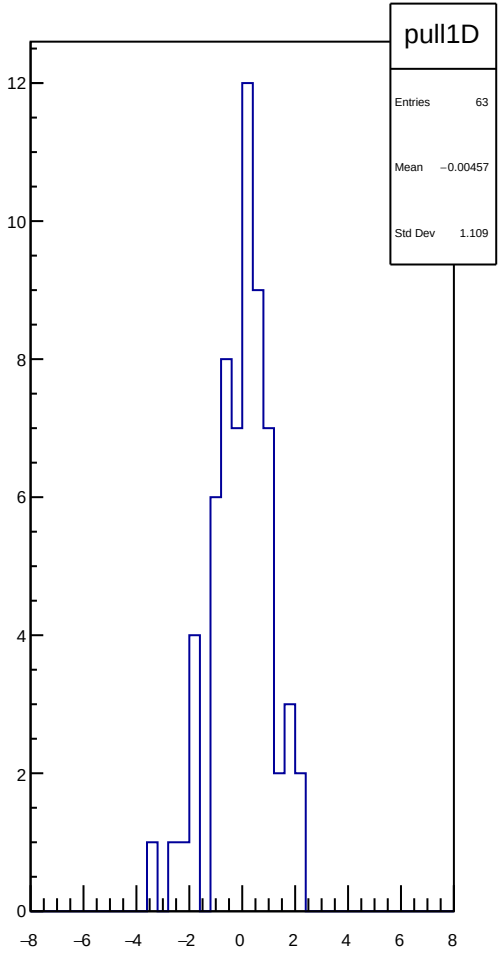

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 2059 / 62
p0 87.46 ± 0.07955
110
105
100
95
90
85
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

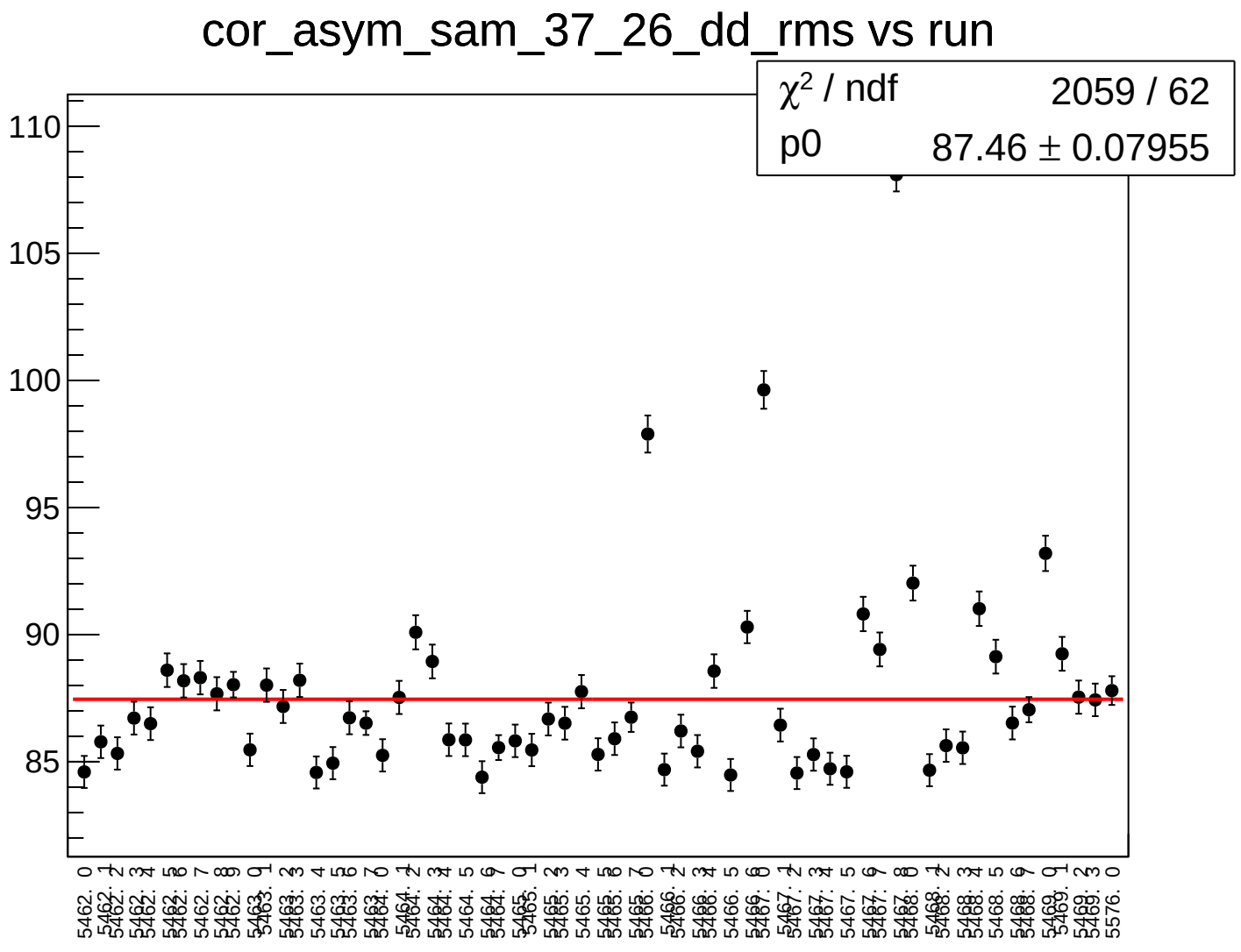

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 64.58 / 62
p0 170.6 ± 799.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

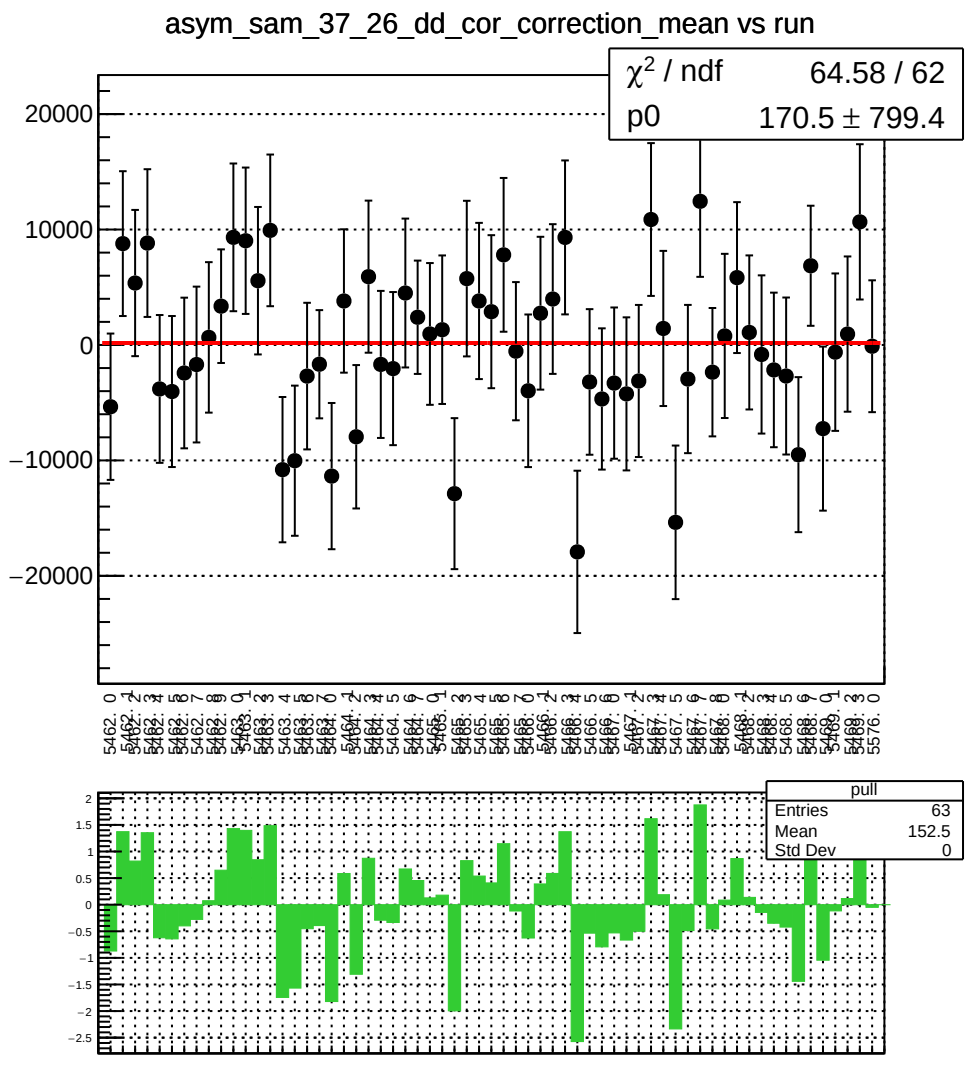

pull1D
Entries 63
Mean −0.009122
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

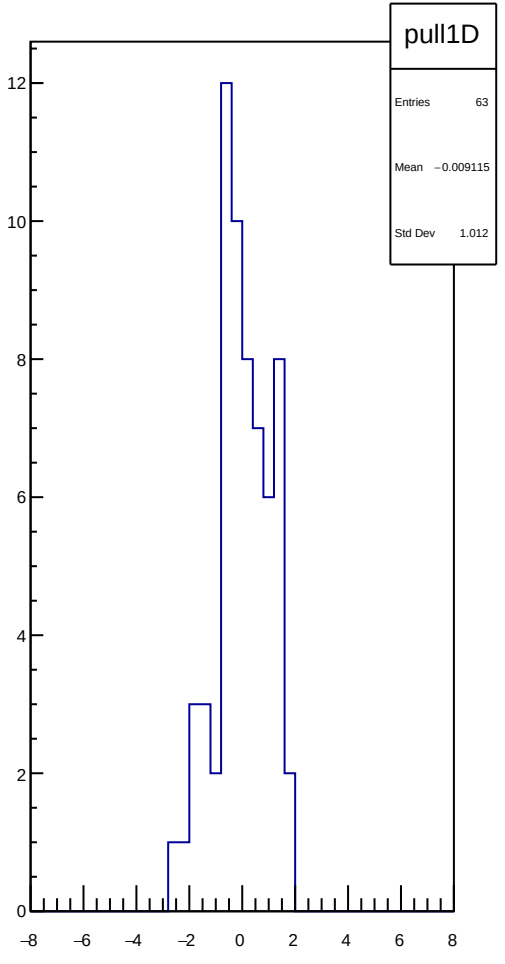

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1133 / 62
p0 621.7 ± 0.5653
680
660
640
620
600
580

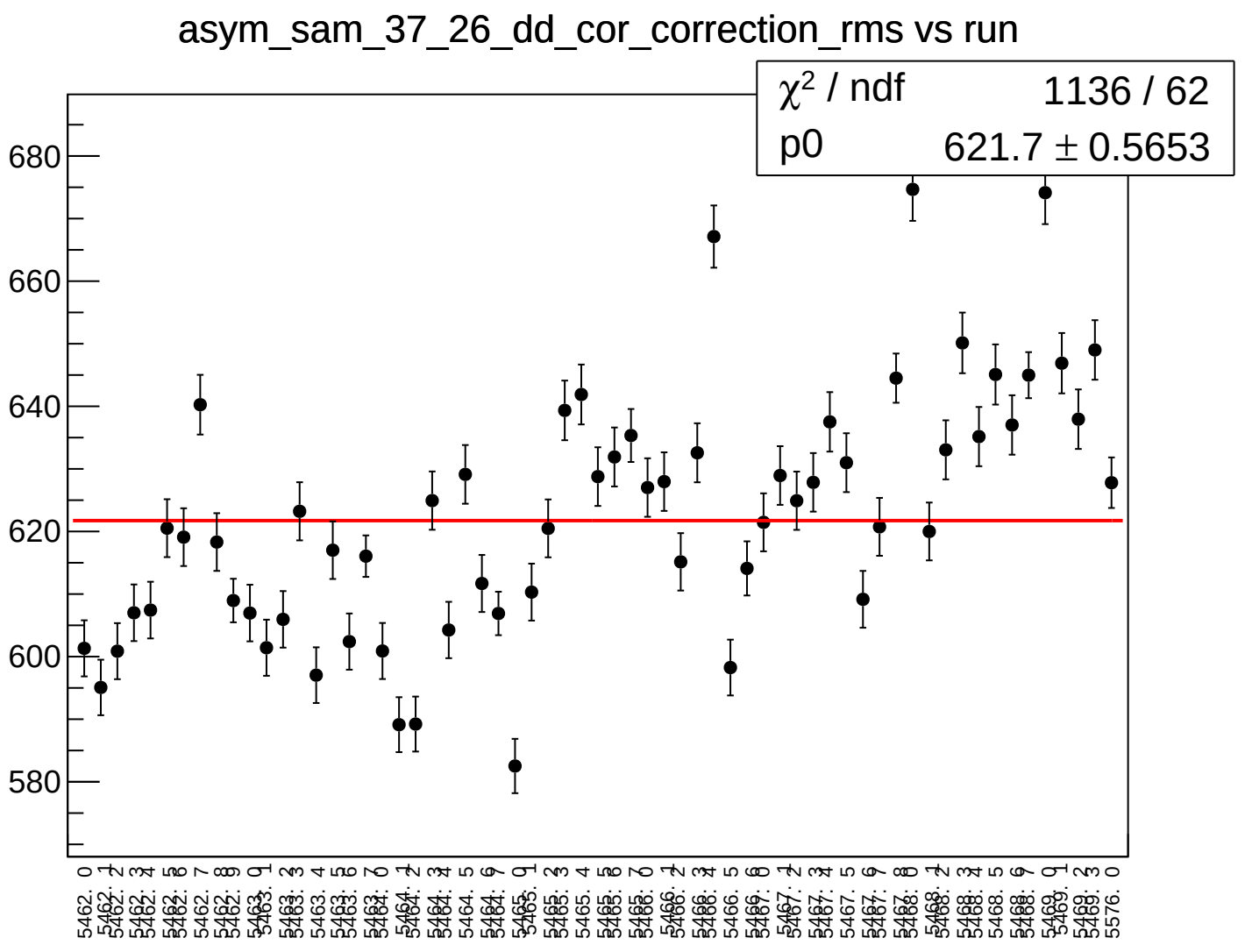

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 77.49 / 62
p0 −99.04 ± 112.5
pull
Entries 63
Mean −813.3
Std Dev 0

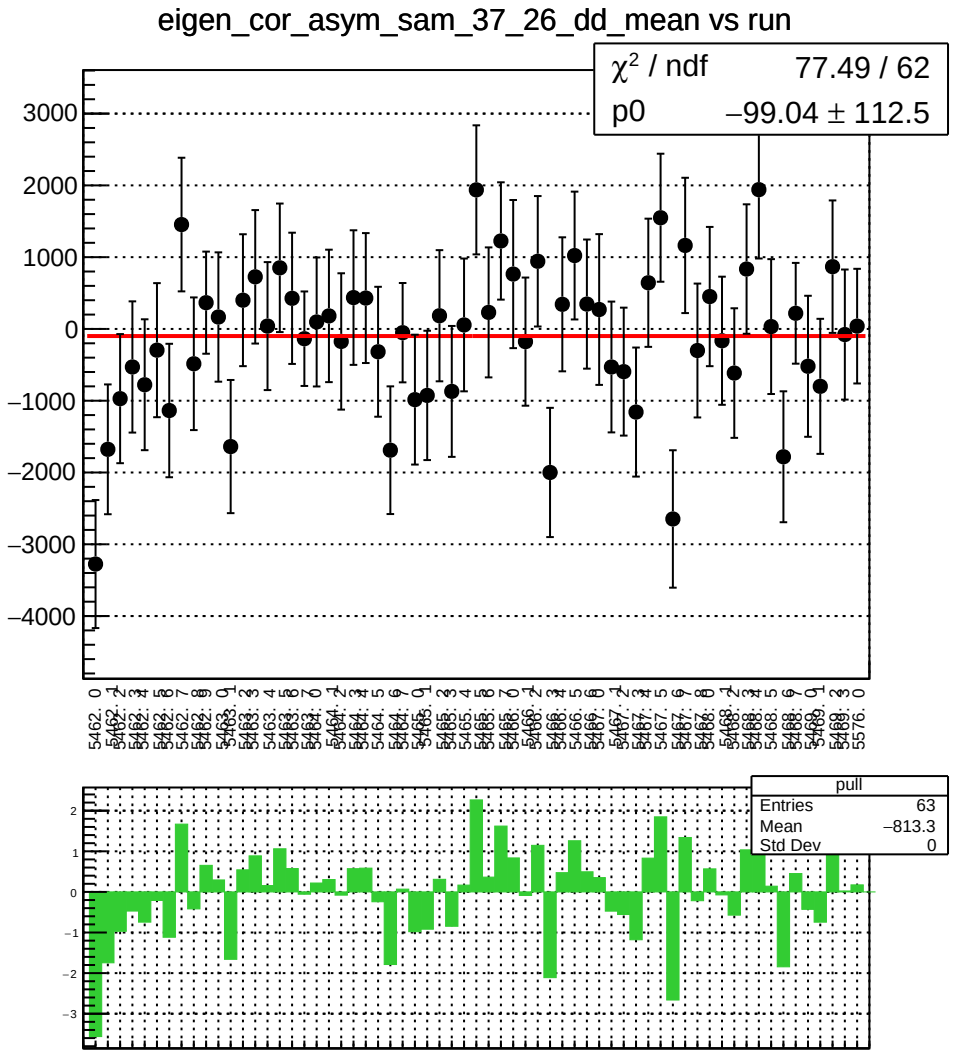

pull1D
Entries 63
Mean −0.00457
Std Dev 1.109

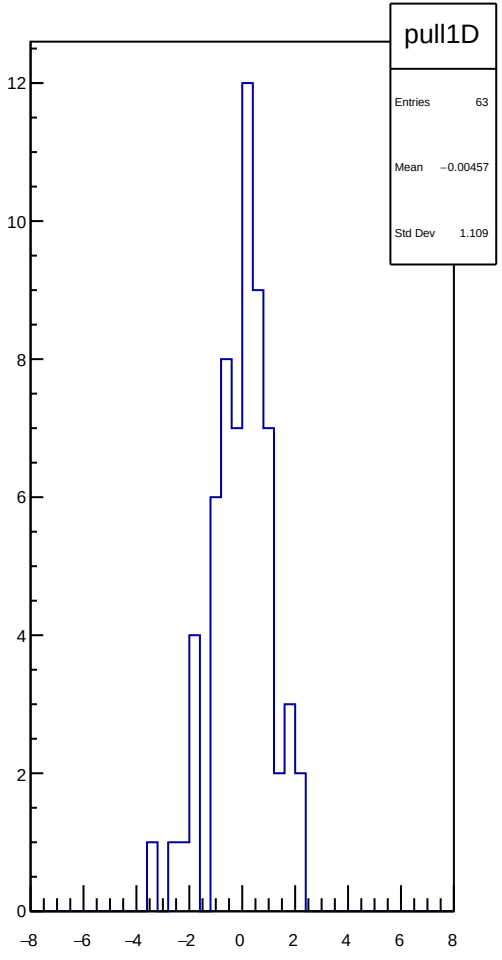

cor_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2059 / 62
p0 87.46 ± 0.07955
110
105
100
95
90
85

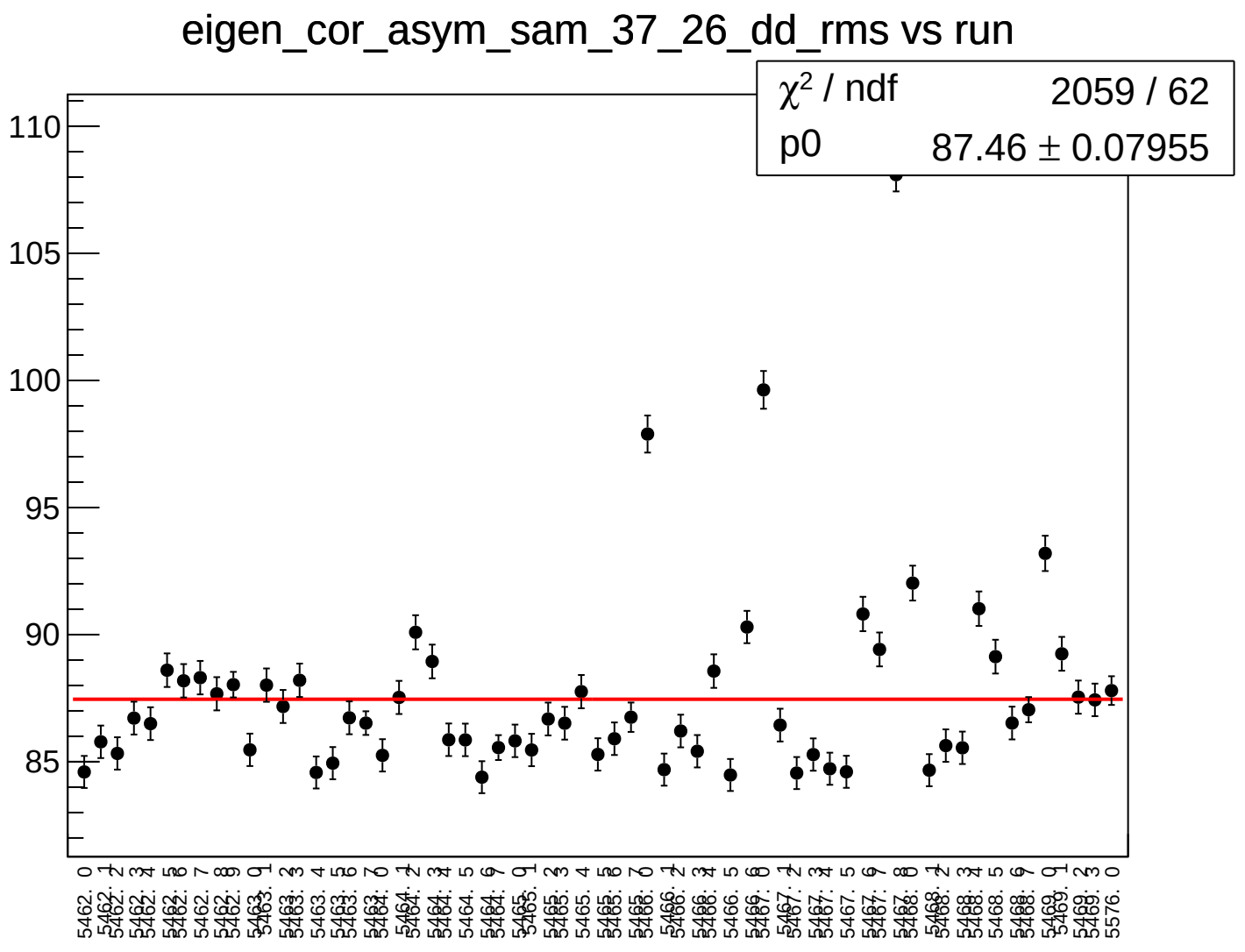

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 64.58 / 62
p0 170.5 ± 799.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 152.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

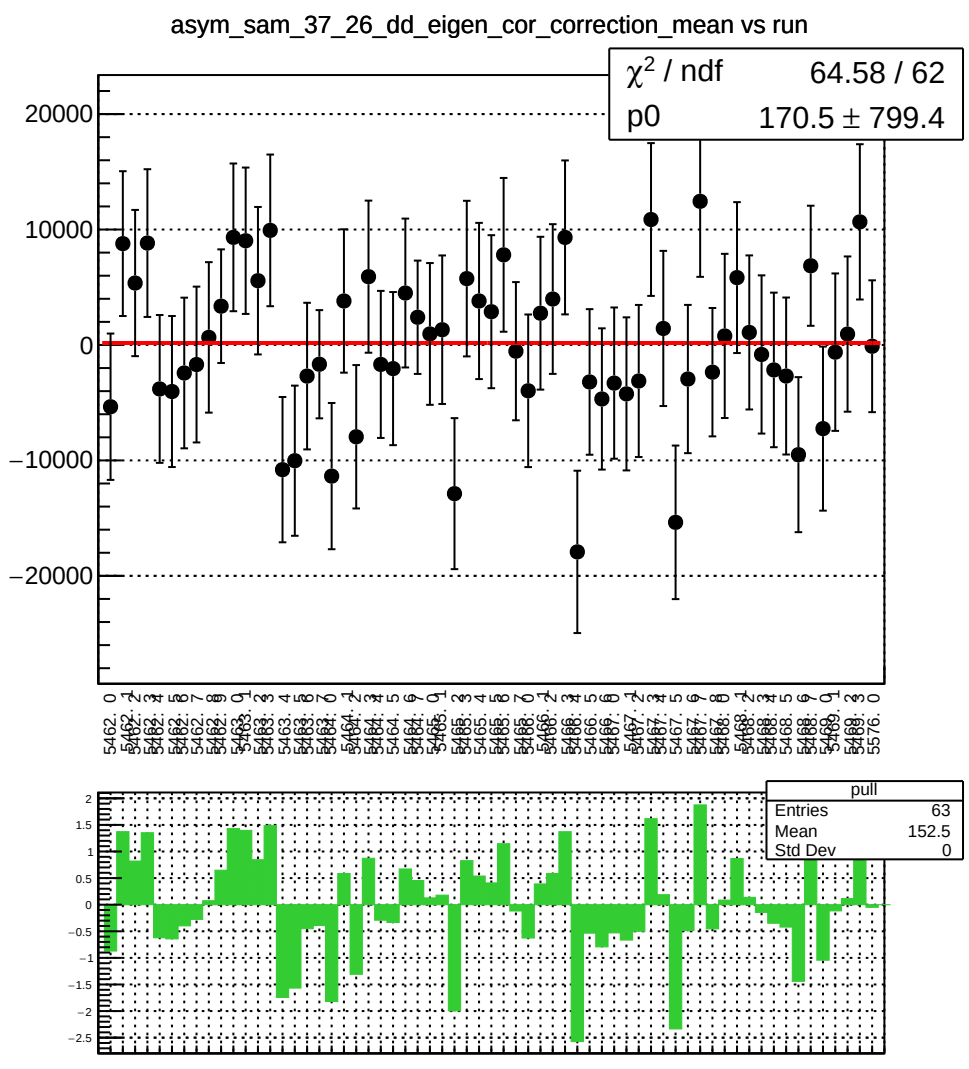

pull1D
Entries 63
Mean −0.009115
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

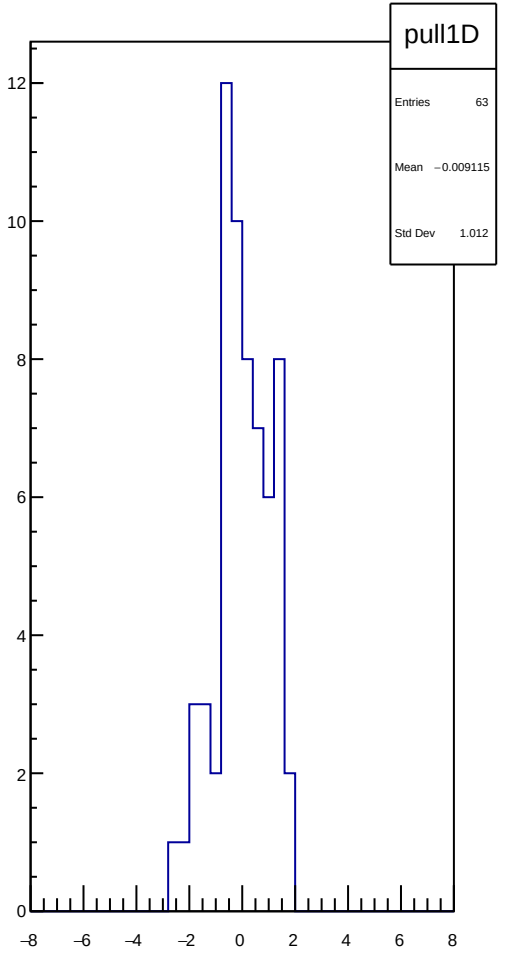

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1136 / 62
p0 621.7 ± 0.5653
680
660
640
620
600
580

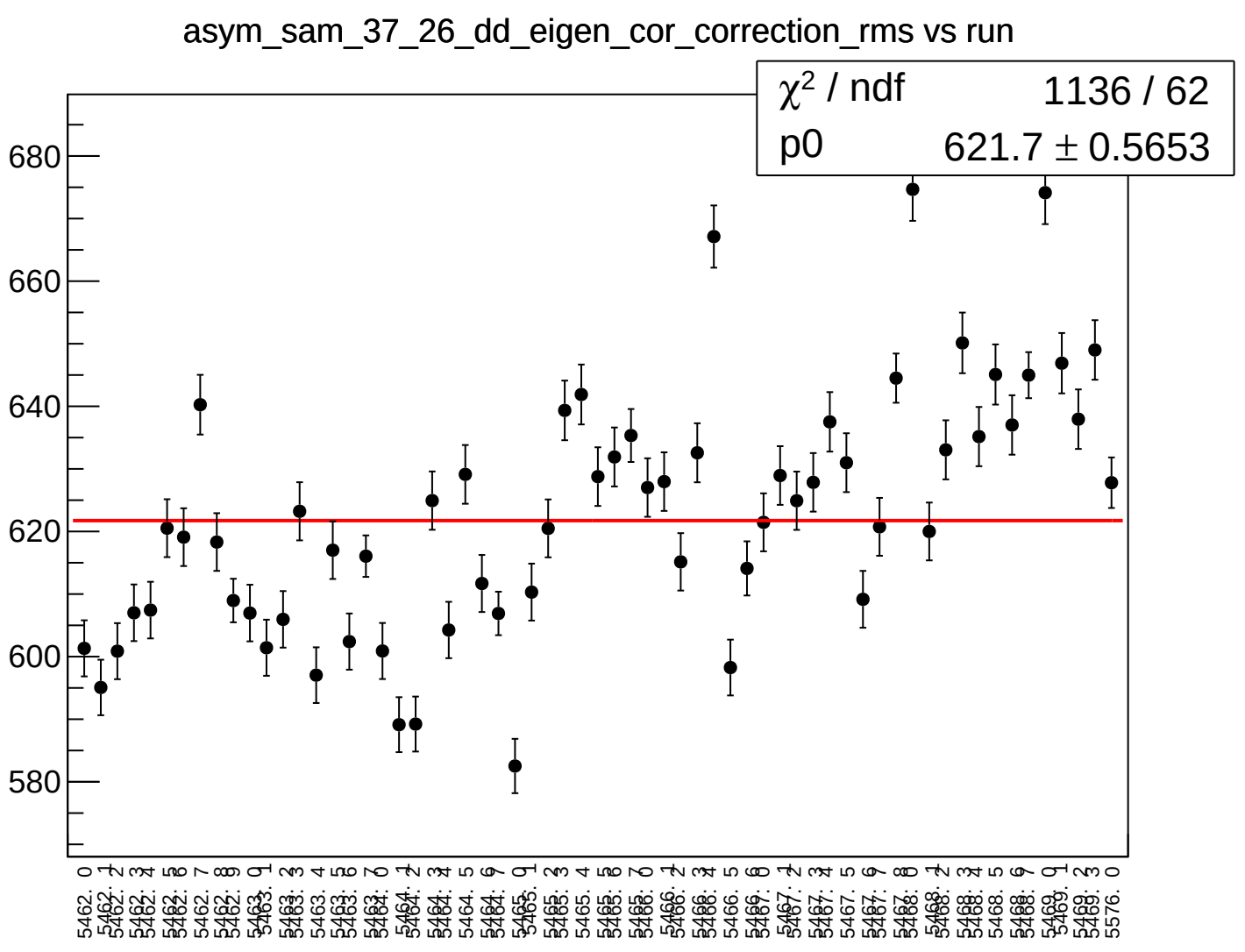

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 77.49 / 62
p0 −99.04 ± 112.5
pull
Entries 63
Mean −813.3
Std Dev 0

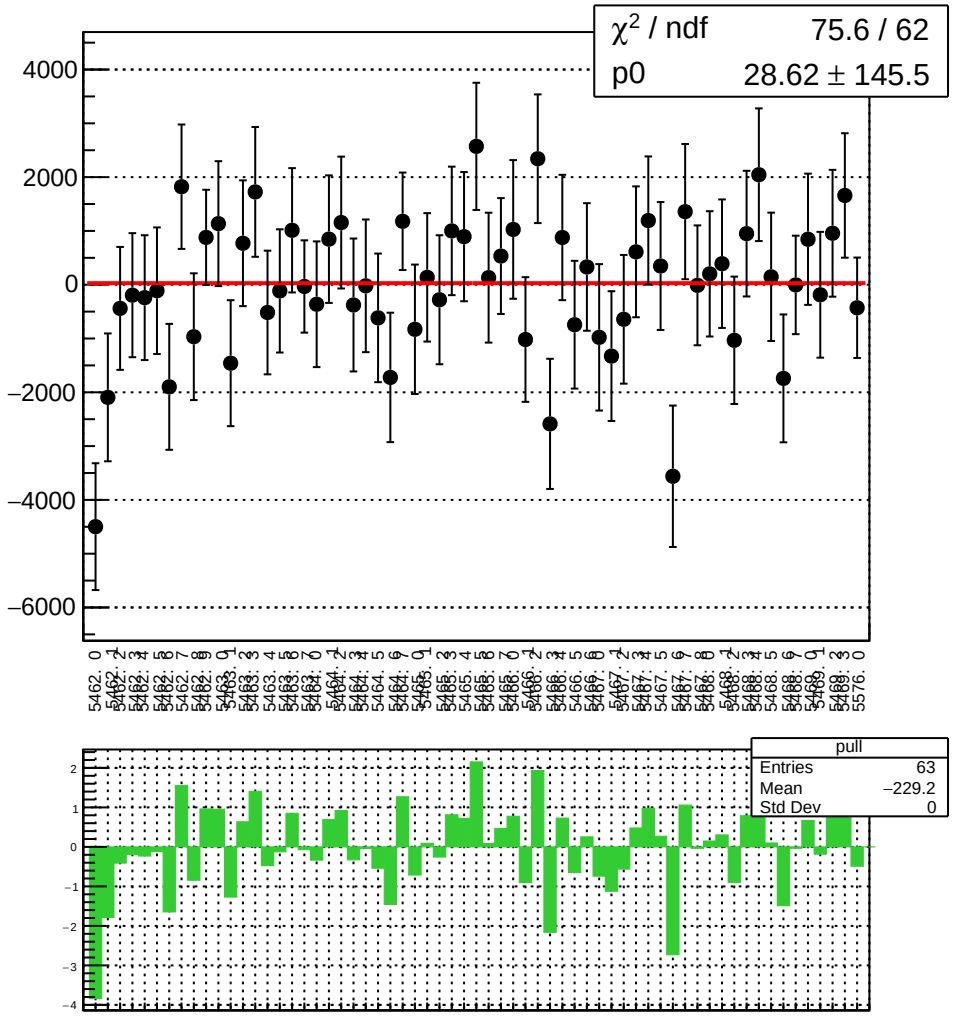

pull1D
Entries 63
Mean −0.00457
Std Dev 1.109

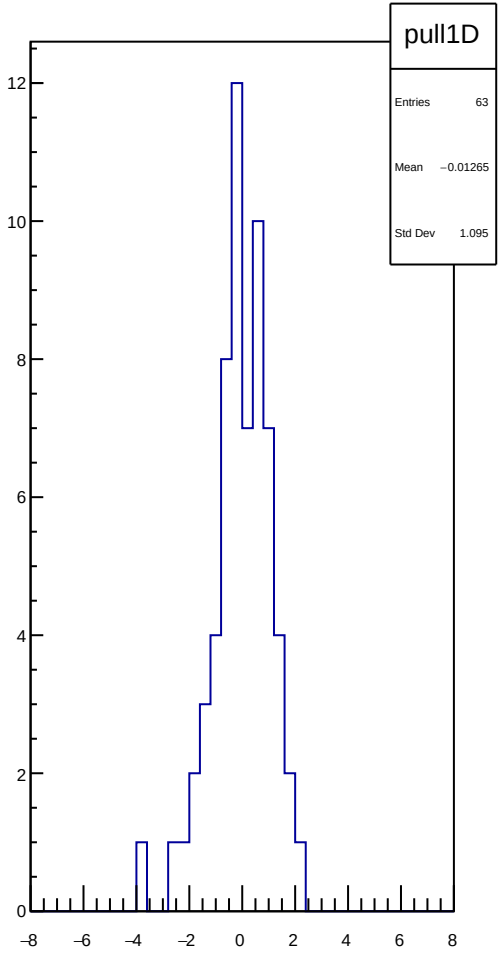

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 2059 / 62
p0 87.46 ± 0.07955
110
105
100
95
90
85

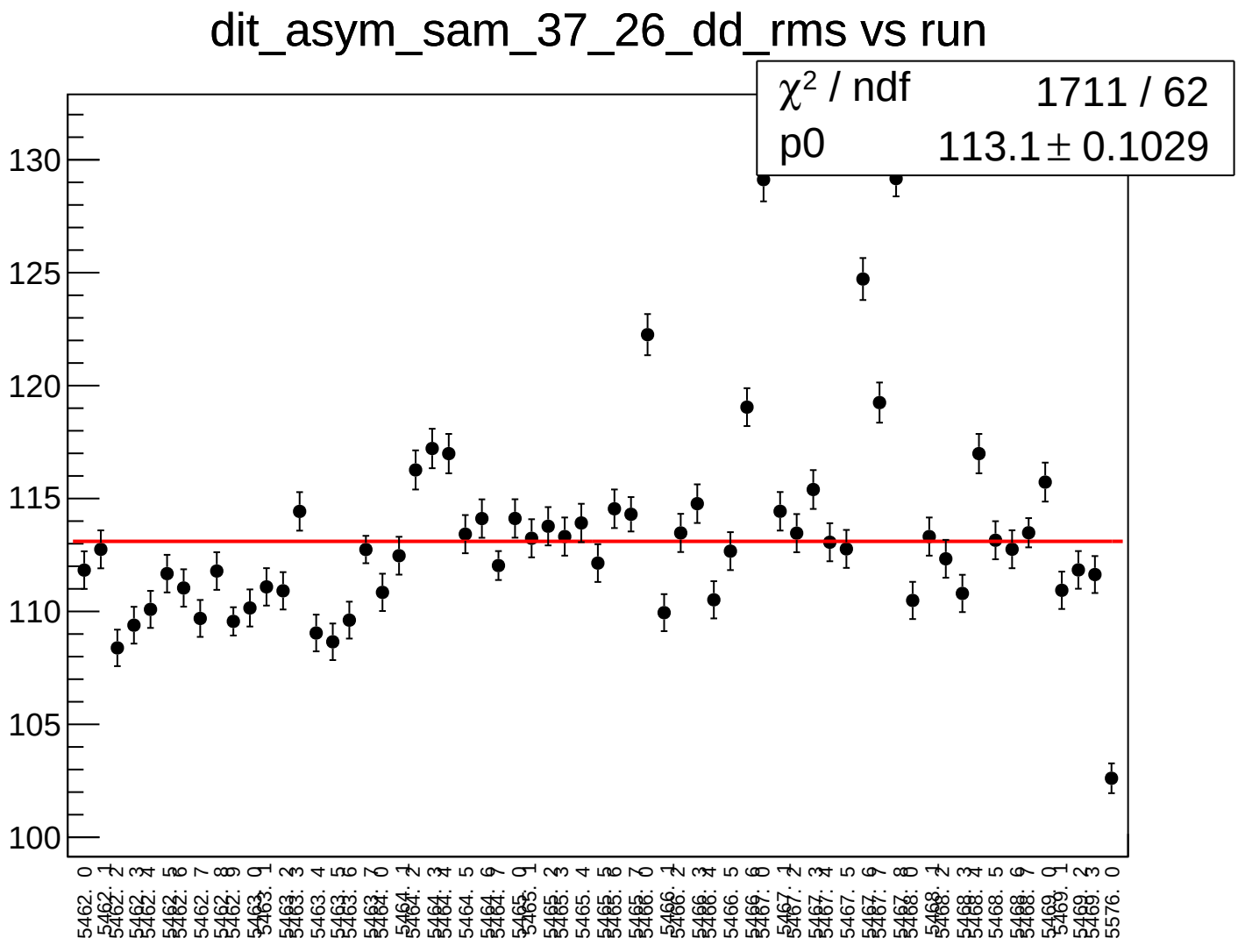

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.58 / 62
p0 170.5 ± 799.4
pull
Entries 63
Mean 152.5
Std Dev 0

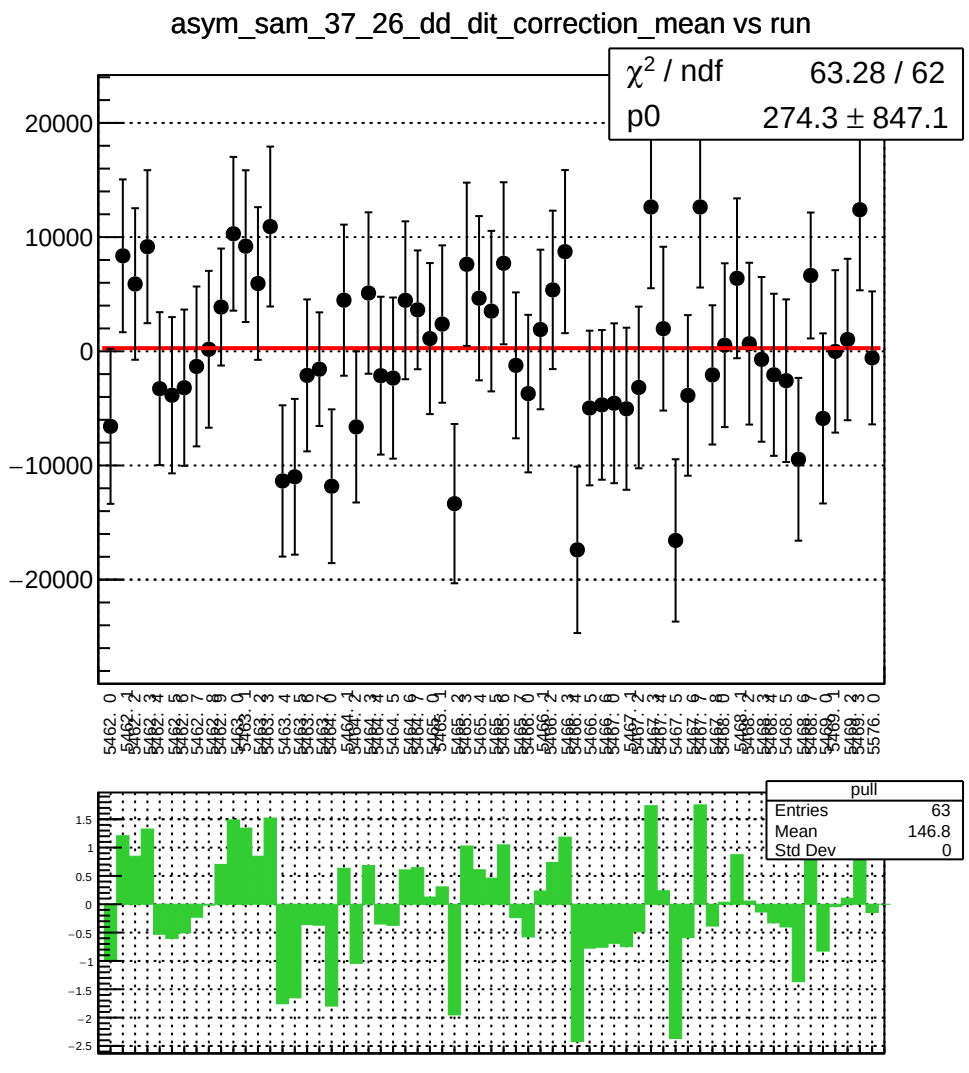

pull1D
Entries 63
Mean −0.009115
Std Dev 1.012

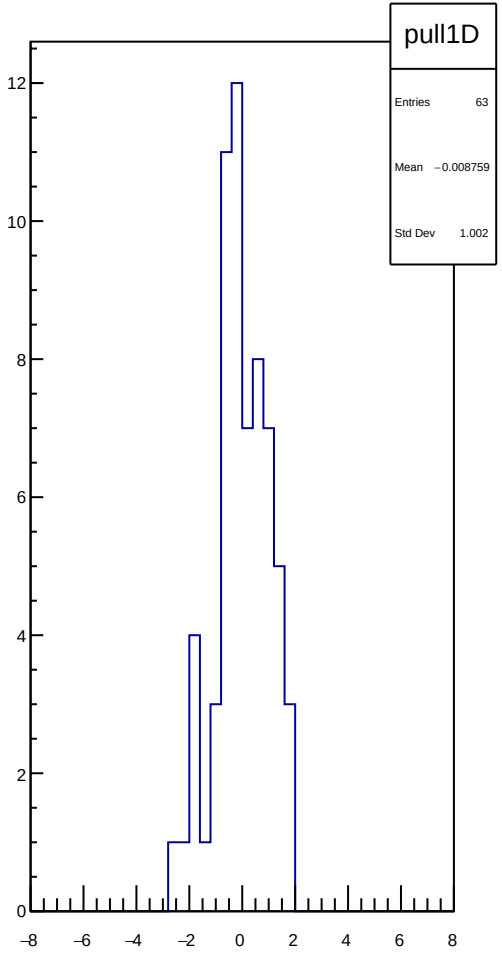

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1136 / 62
p0 621.7 ± 0.5653
680
660
640
620
600
580

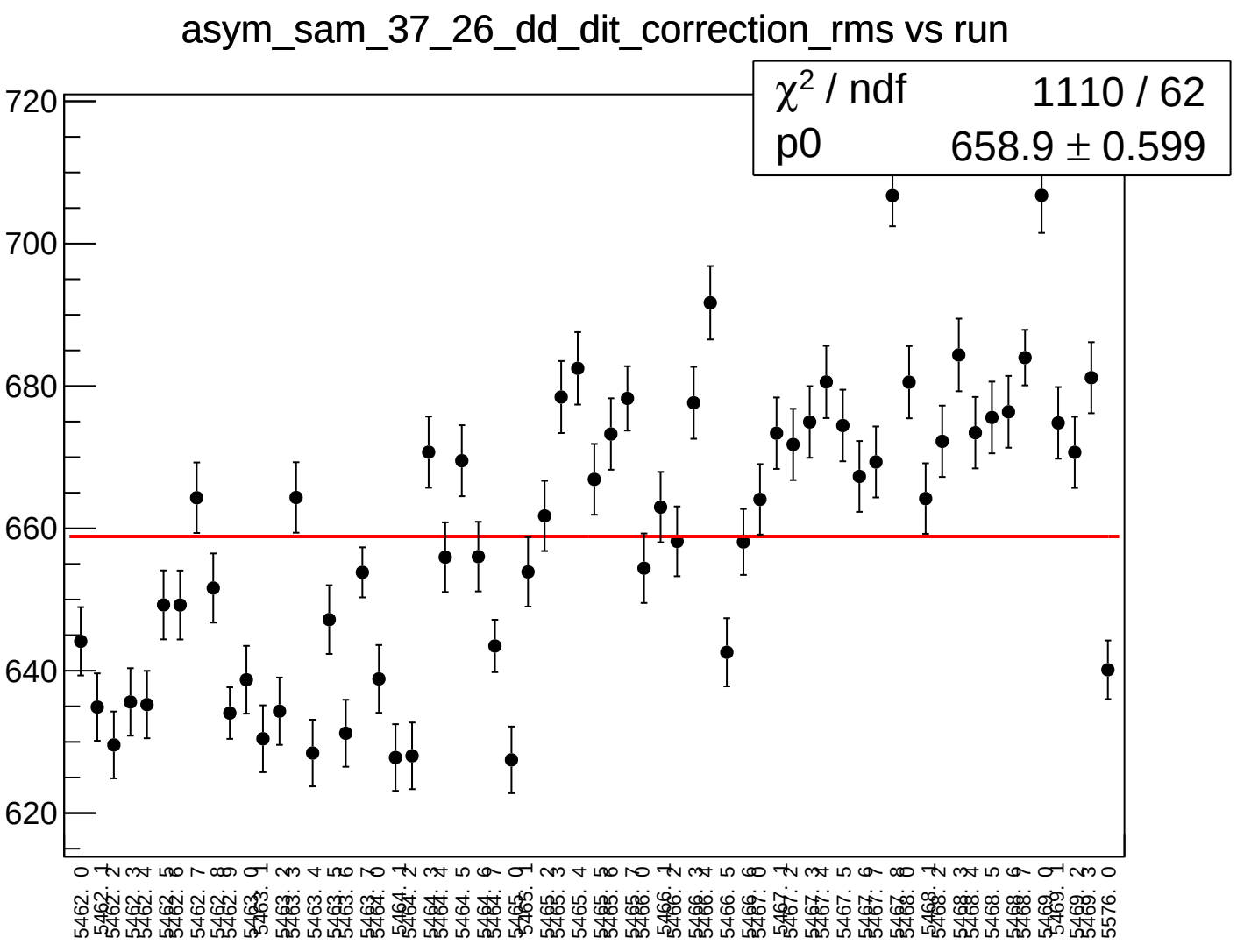

dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 75.6 / 62
p0 28.62 ± 145.5
pull
Entries 63
Mean −229.2
Std Dev 0

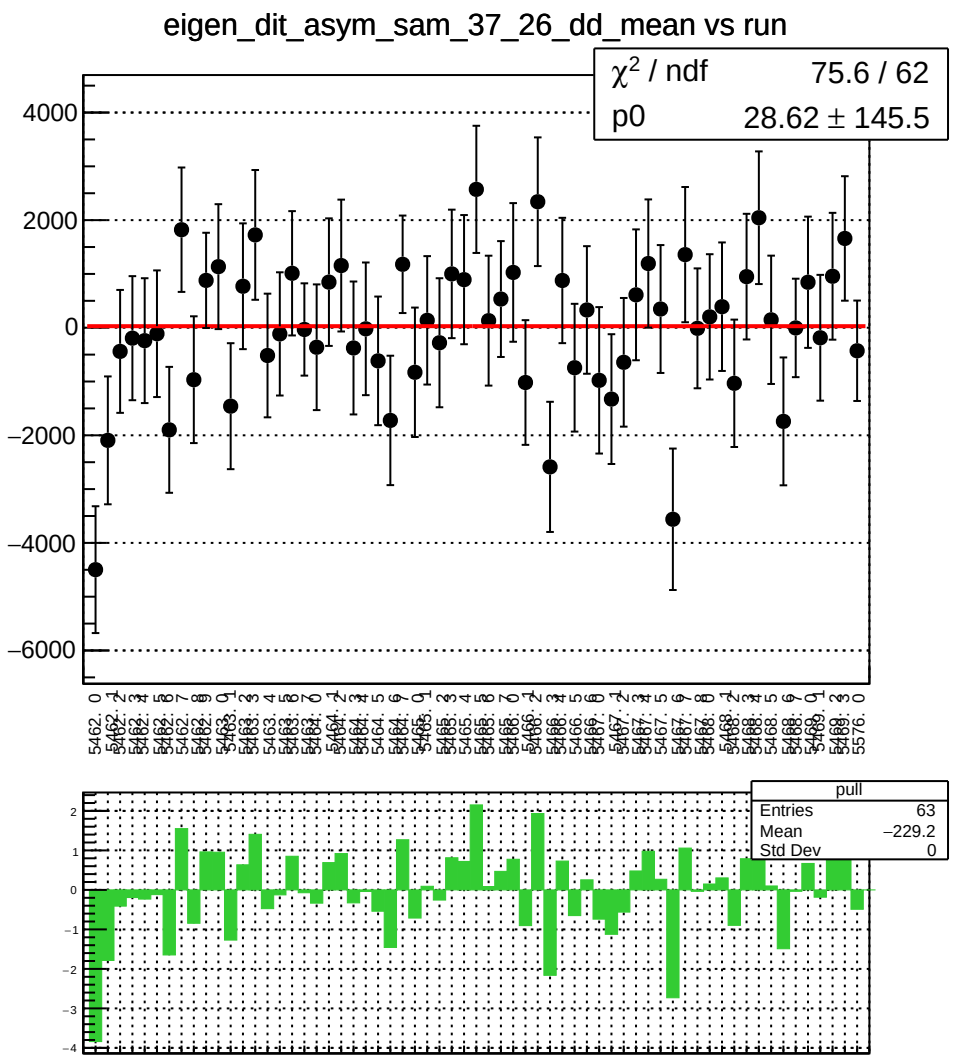

pull1D
Entries 63
Mean −0.01265
Std Dev 1.095

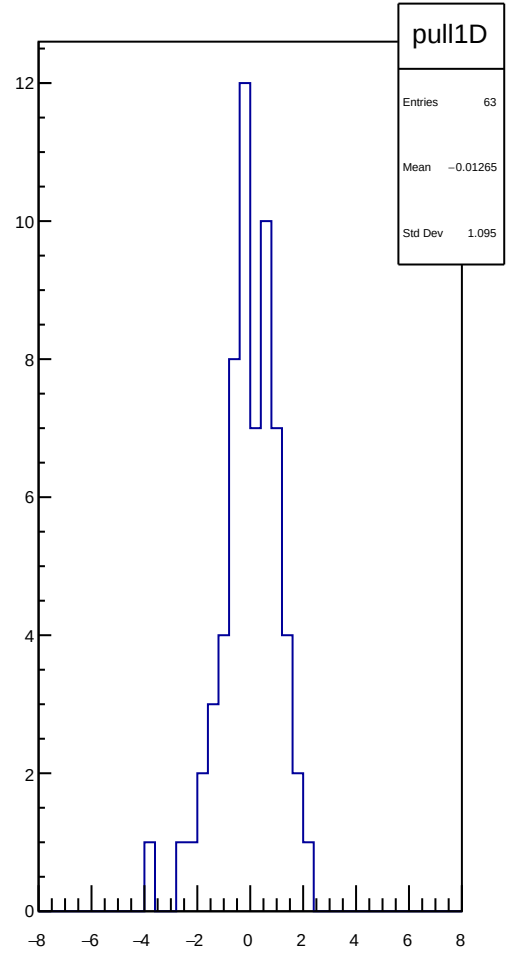

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1711 / 62
p0 113.1 ± 0.1029
130
125
120
115
110
105
100
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 0
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

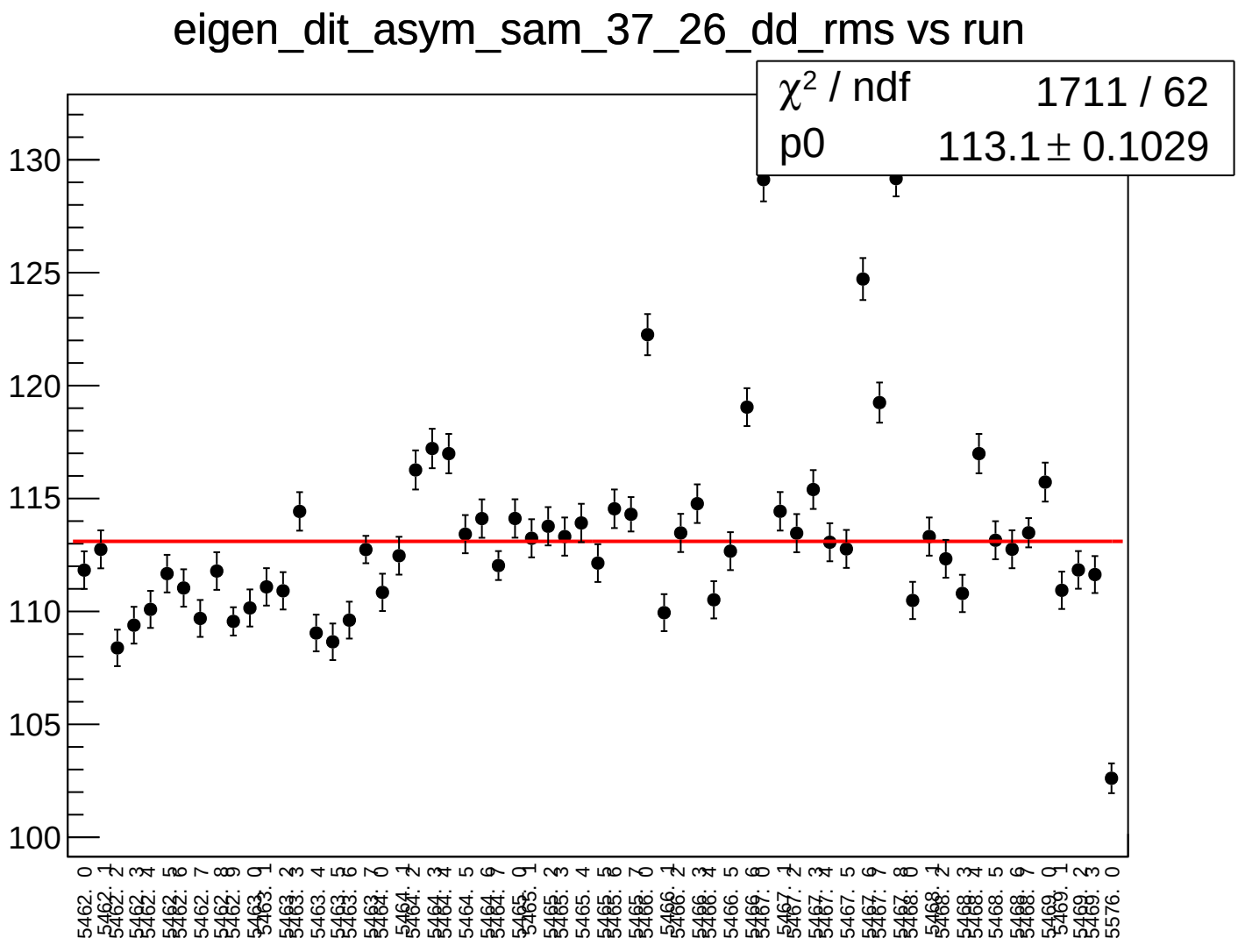

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 63.28 / 62
p0 274.3 ± 847.1
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 146.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

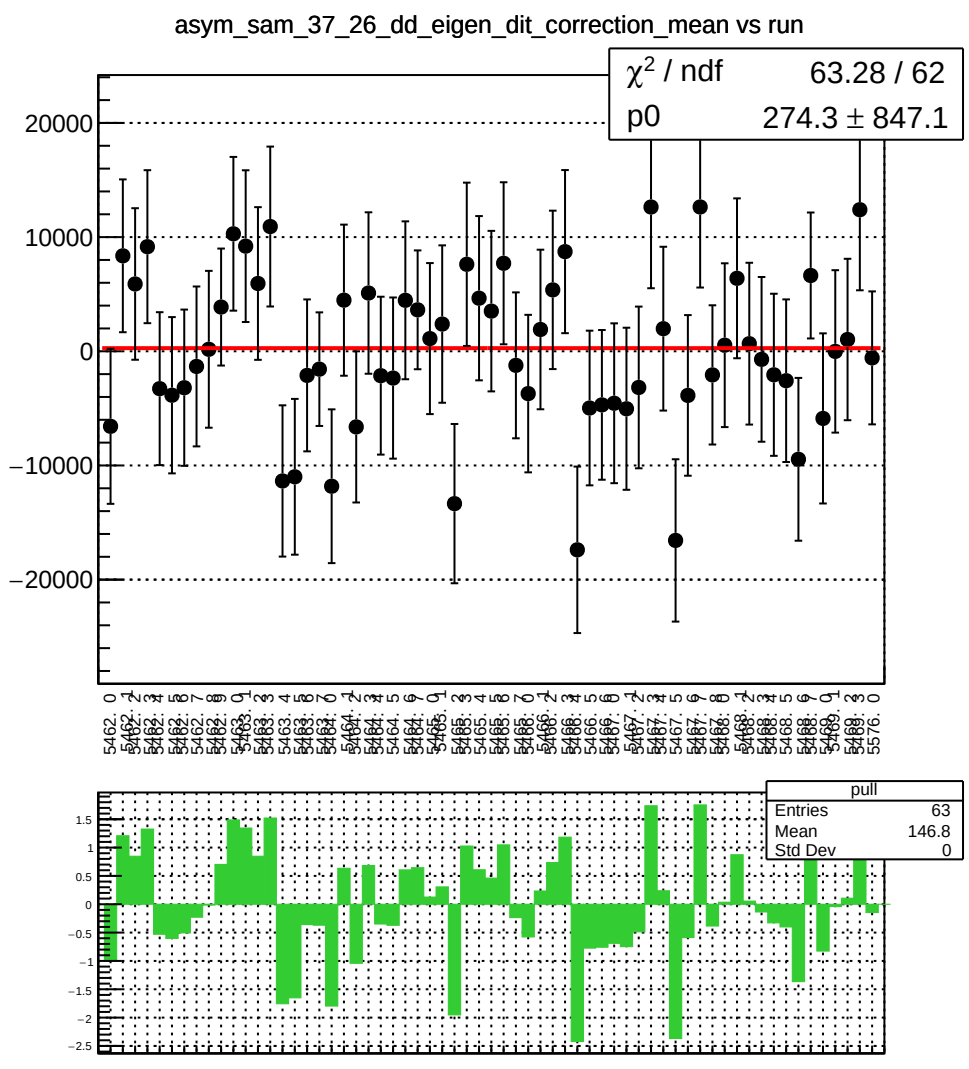

pull1D
Entries 63
Mean −0.008759
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

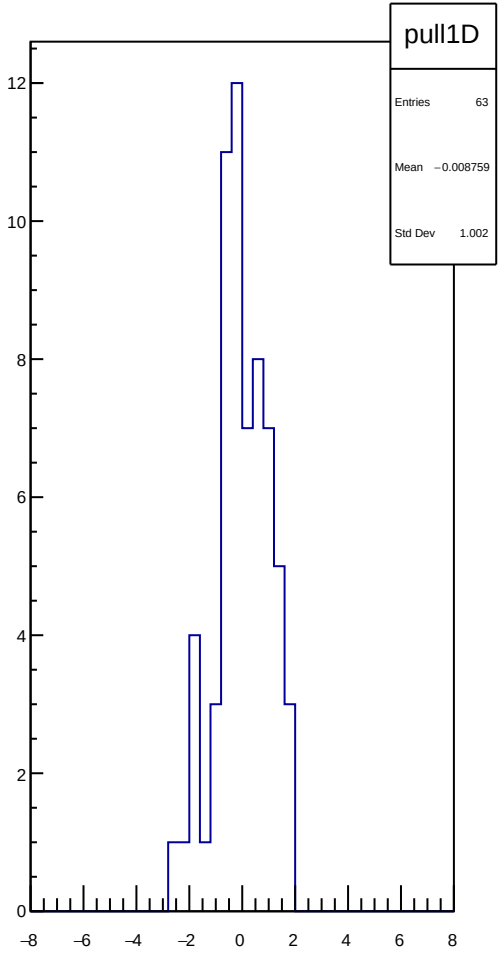

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1110 / 62
p0 658.9 ± 0.599
720
700
680
660
640
620

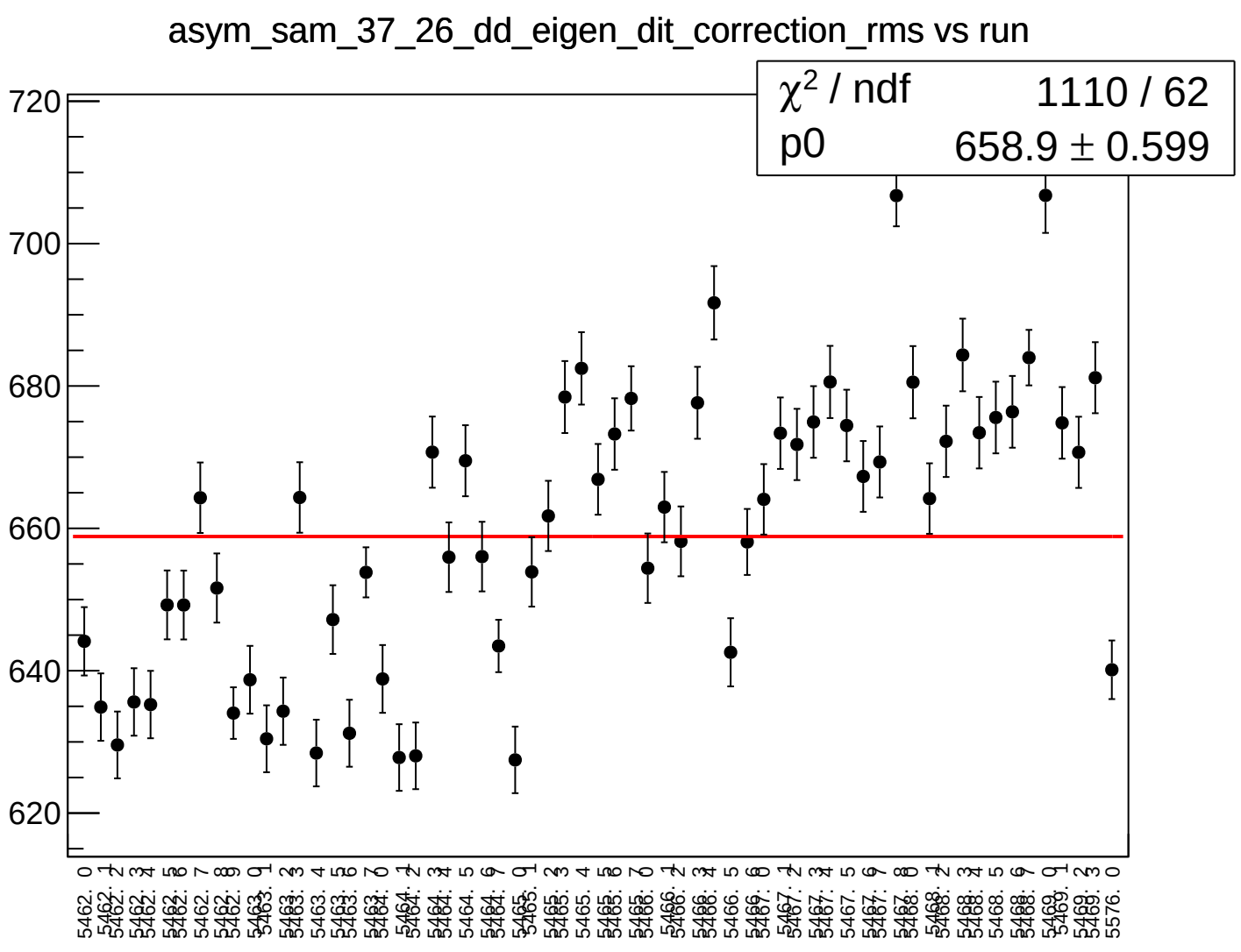

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.6 / 62
p0 28.62 ± 145.5
pull
Entries 63
Mean −229.2
Std Dev 0

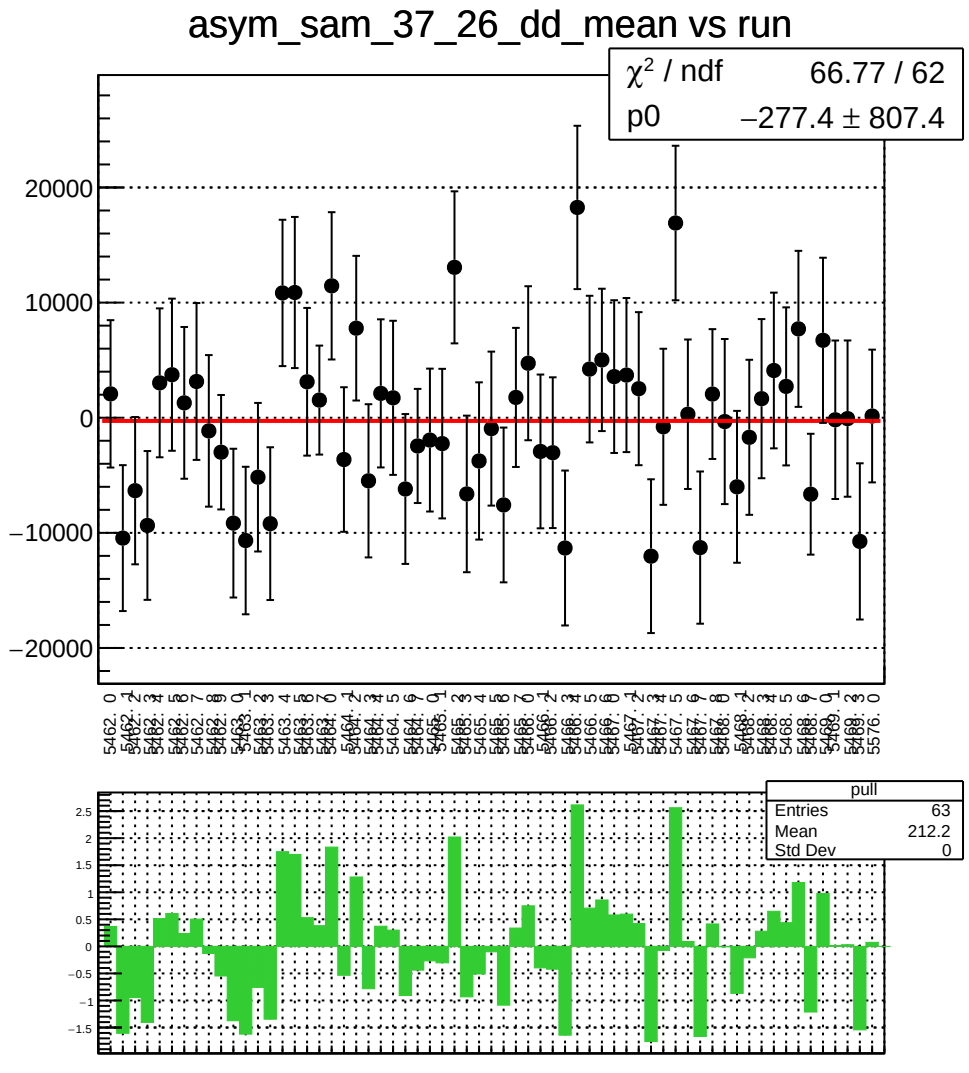

pull1D
Entries 63
Mean −0.01265
Std Dev 1.095

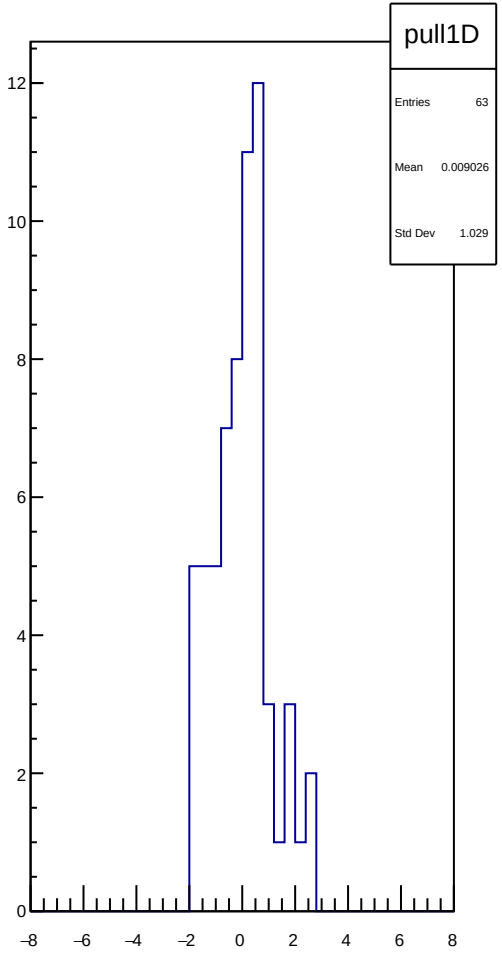

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1711 / 62
p0 113.1 ± 0.1029
130
125
120
115
110
105
100

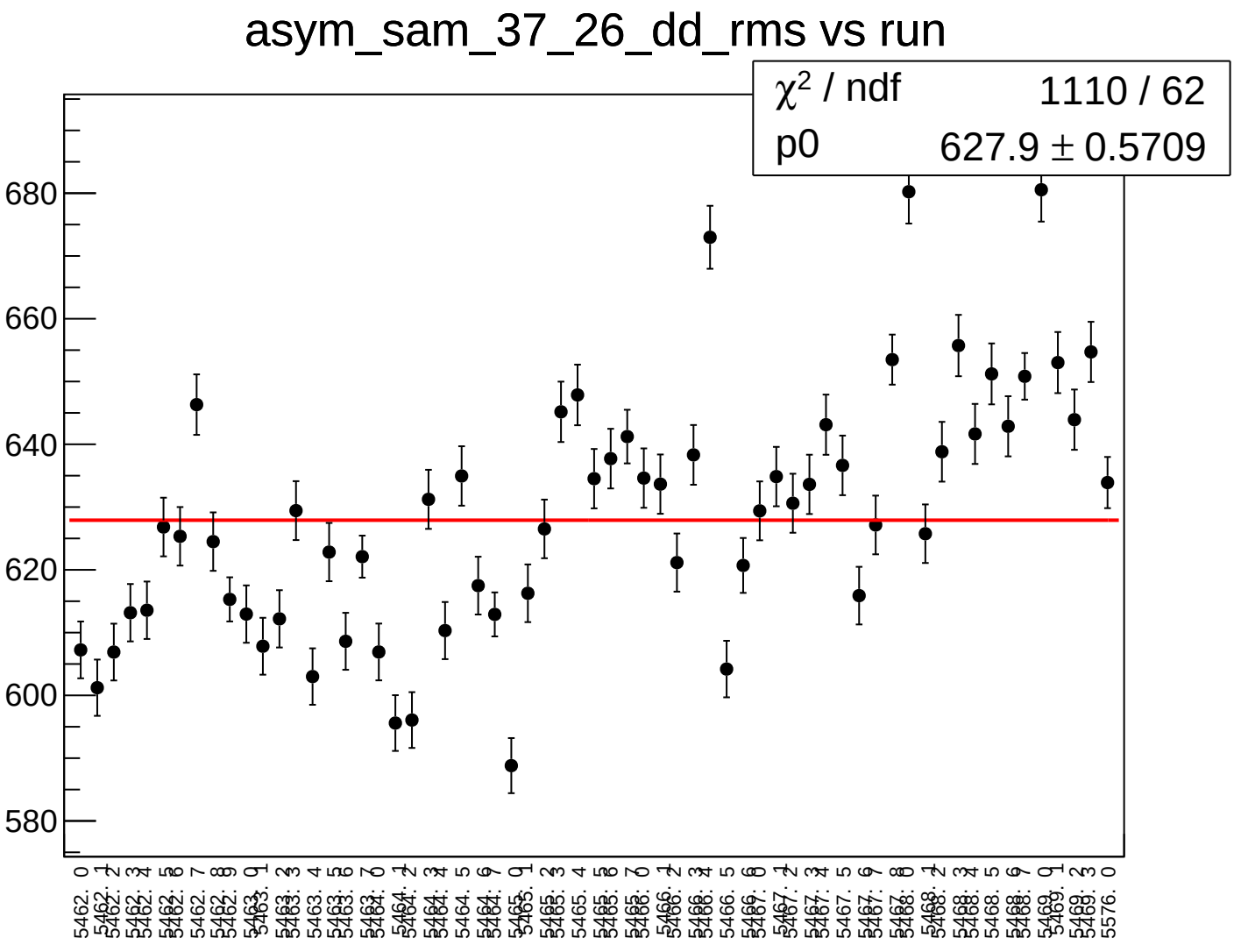

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.28 / 62
p0 274.3 ± 847.1
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 146.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

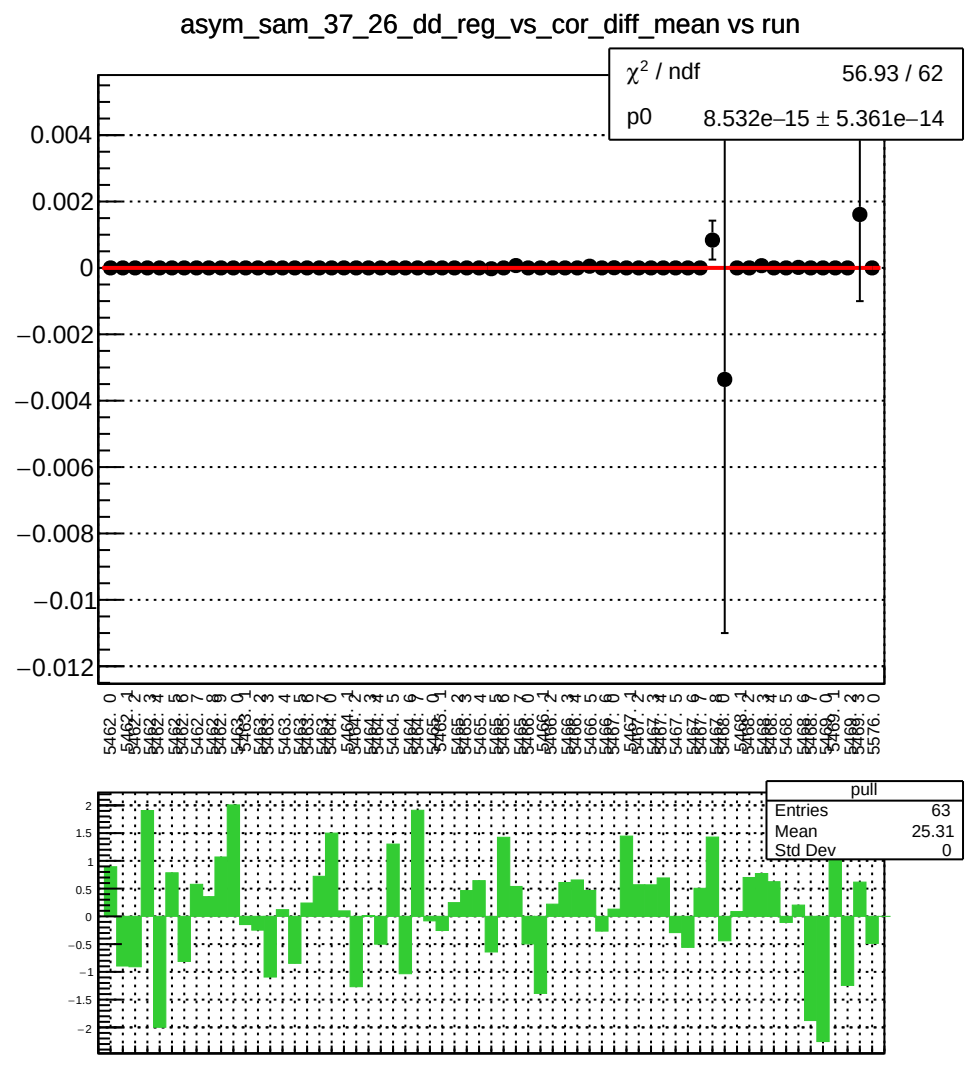

pull1D
Entries 63
Mean −0.008759
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

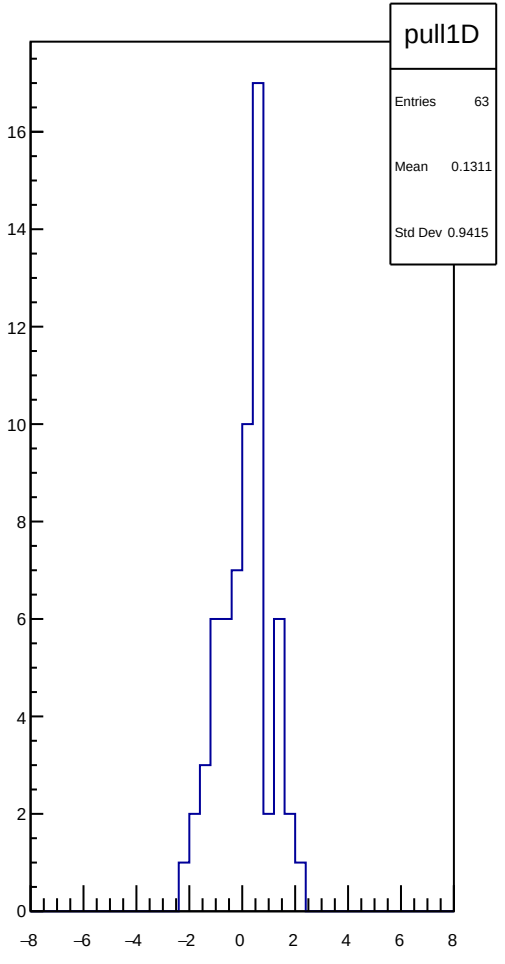

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1110 / 62
p0 658.9 ± 0.599
720
700
680
660
640
620

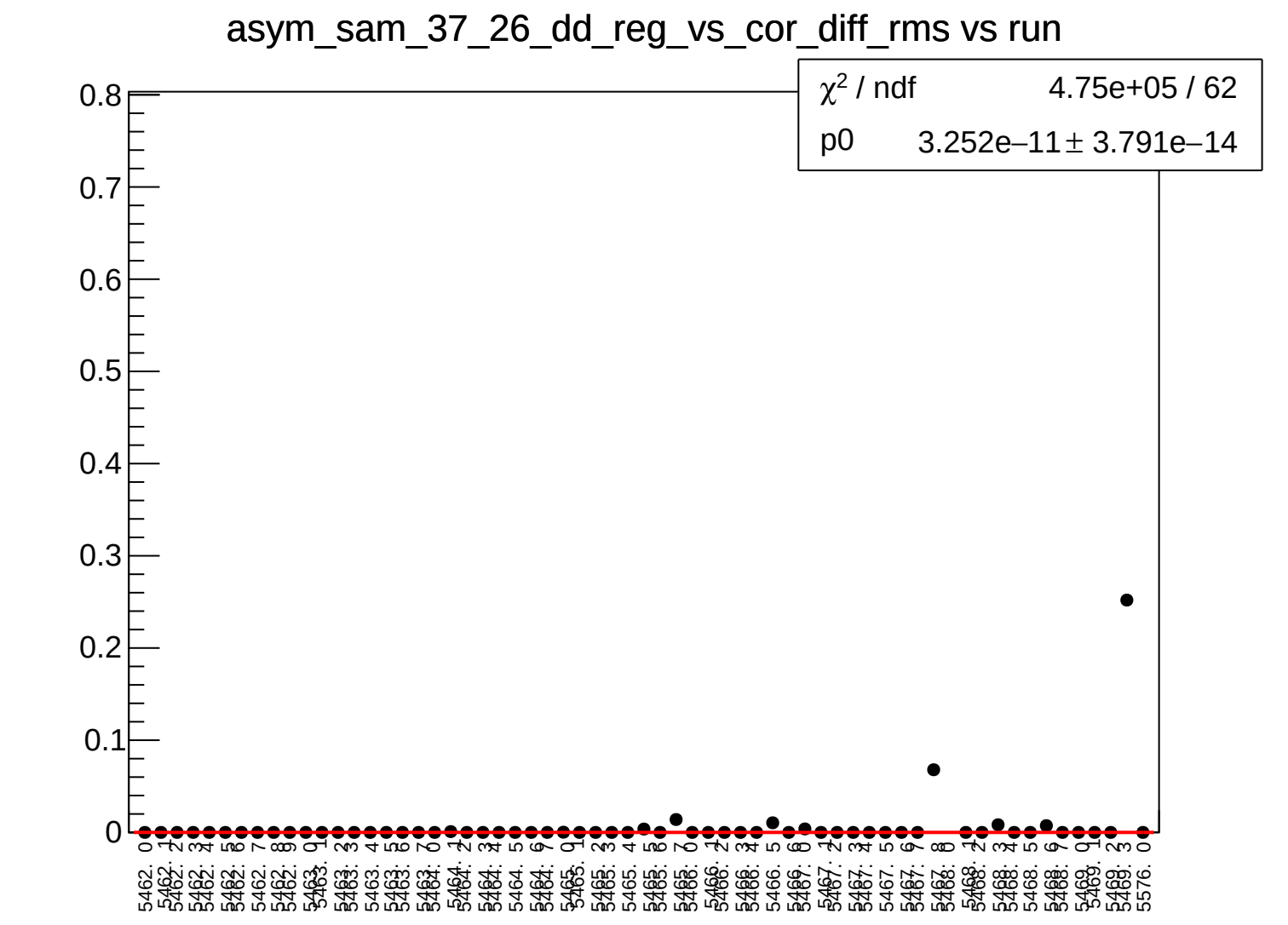

asym_sam_37_26_dd_mean vs run
χ² / ndf 66.77 / 62
p0 −277.4 ± 807.4
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 212.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

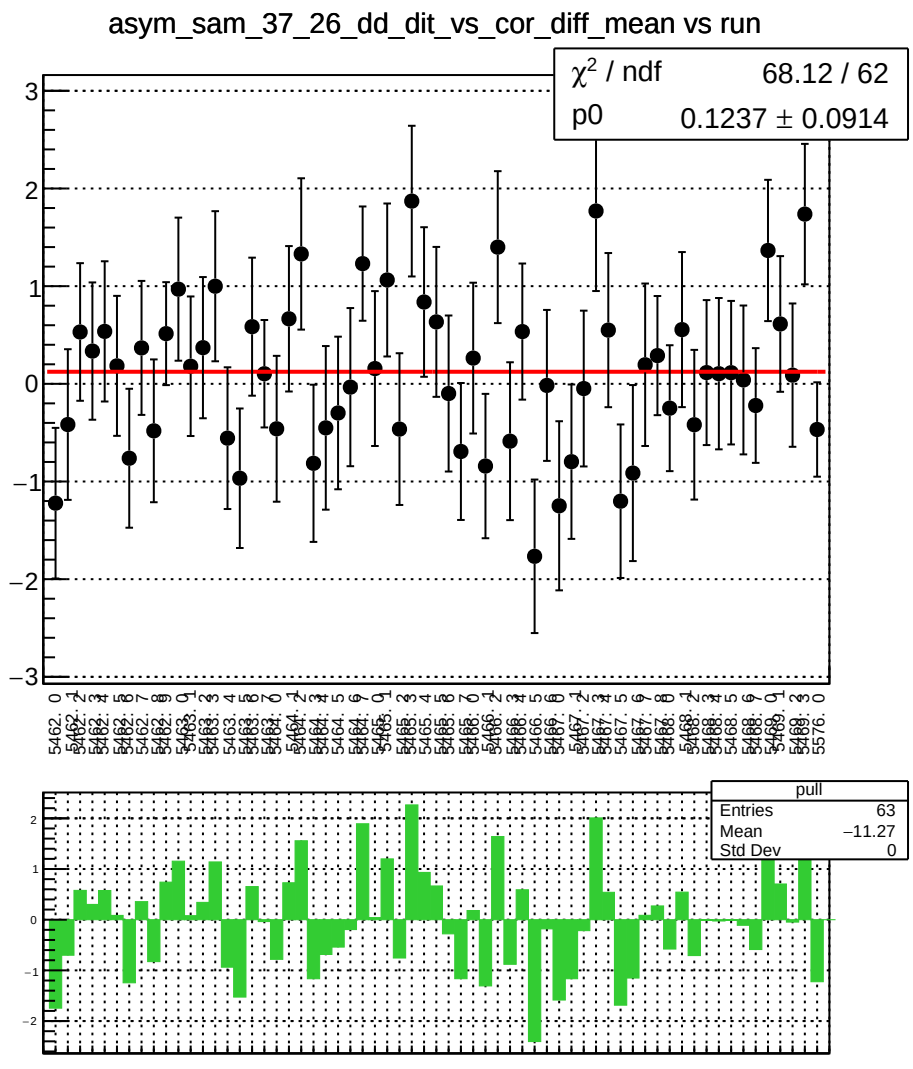

pull1D
Entries 63
Mean 0.009026
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

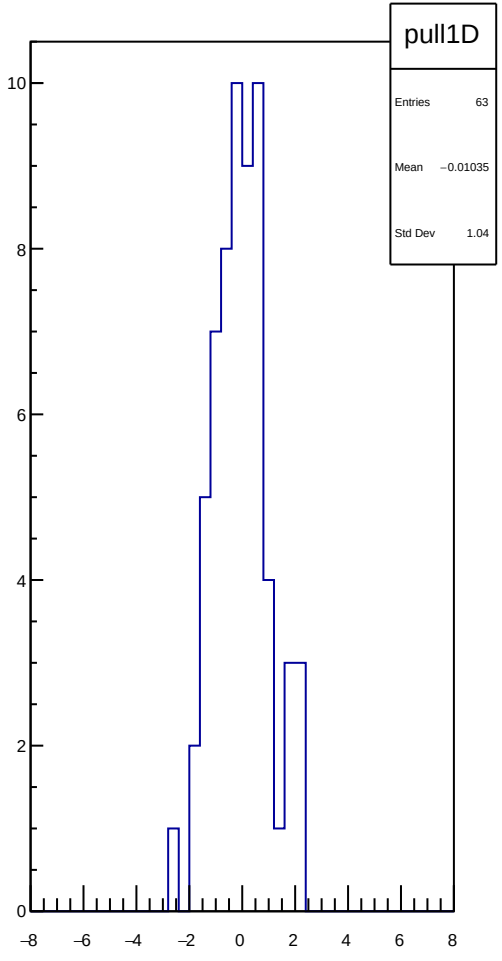

asym_sam_37_26_dd_rms vs run
χ² / ndf 1110 / 62
p0 627.9 ± 0.5709
680
660
640
620
600
580

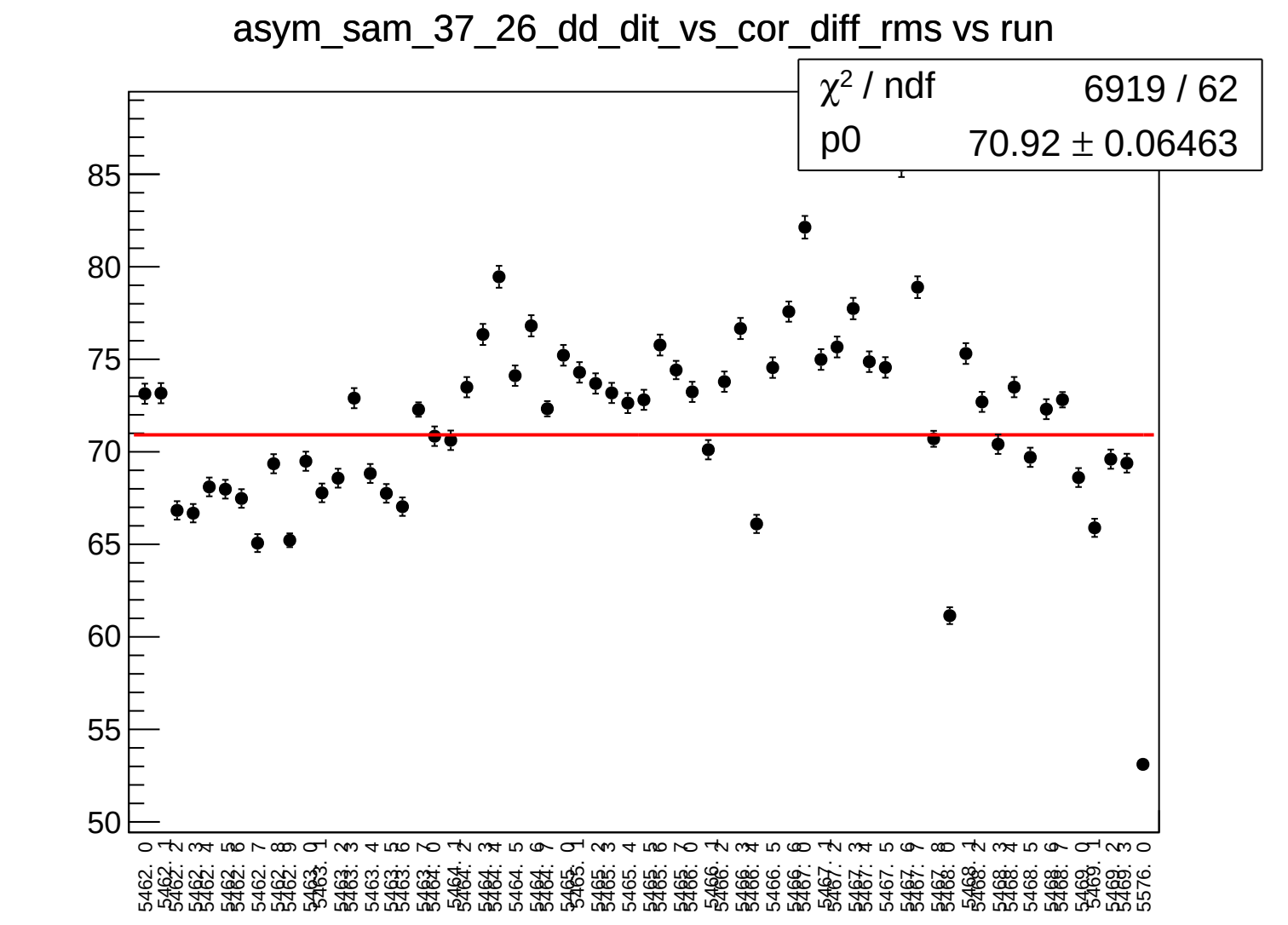

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.93 / 62
p0 8.532e−15 ± 5.361e−14
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
pull
Entries 63
Mean 25.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

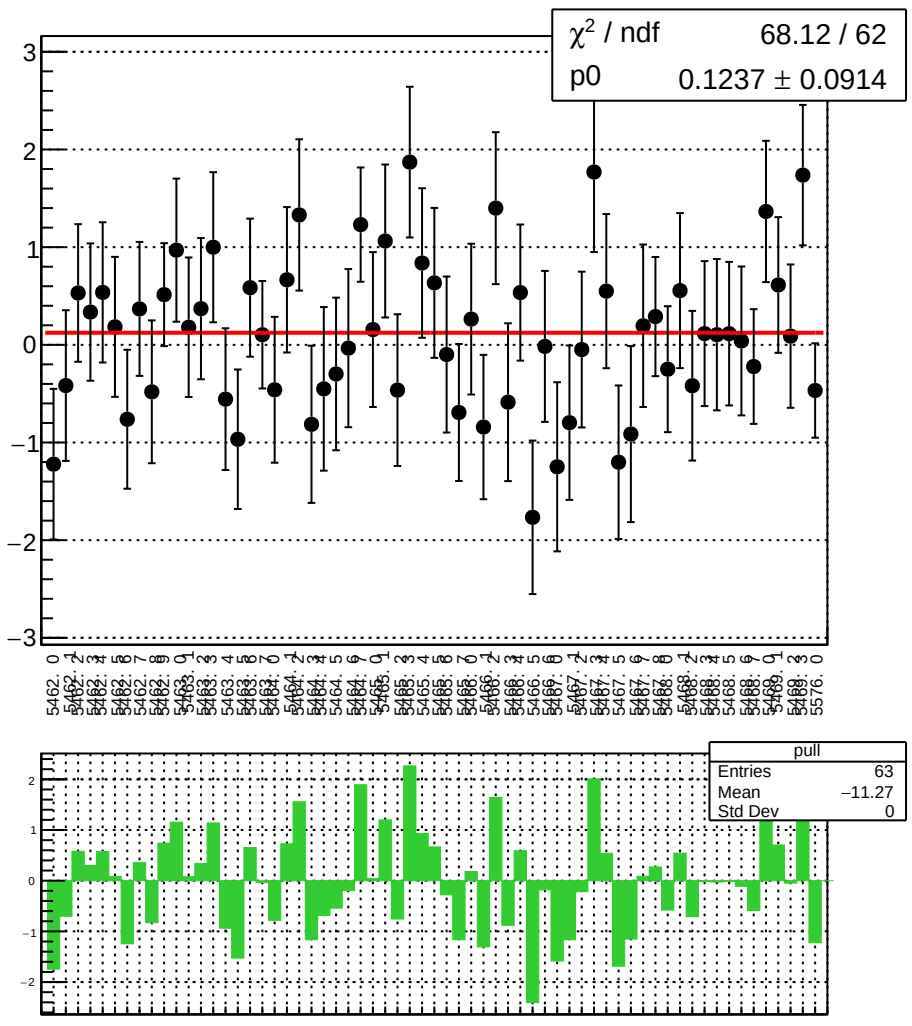

pull1D
Entries 63
Mean 0.1311
Std Dev 0.9415
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

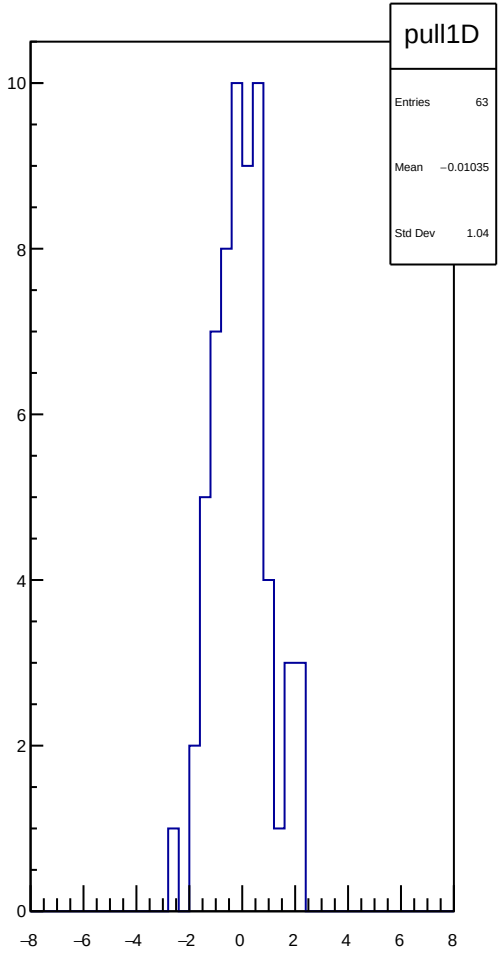

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.75e+05 / 62
p0 3.252e−11 ± 3.791e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

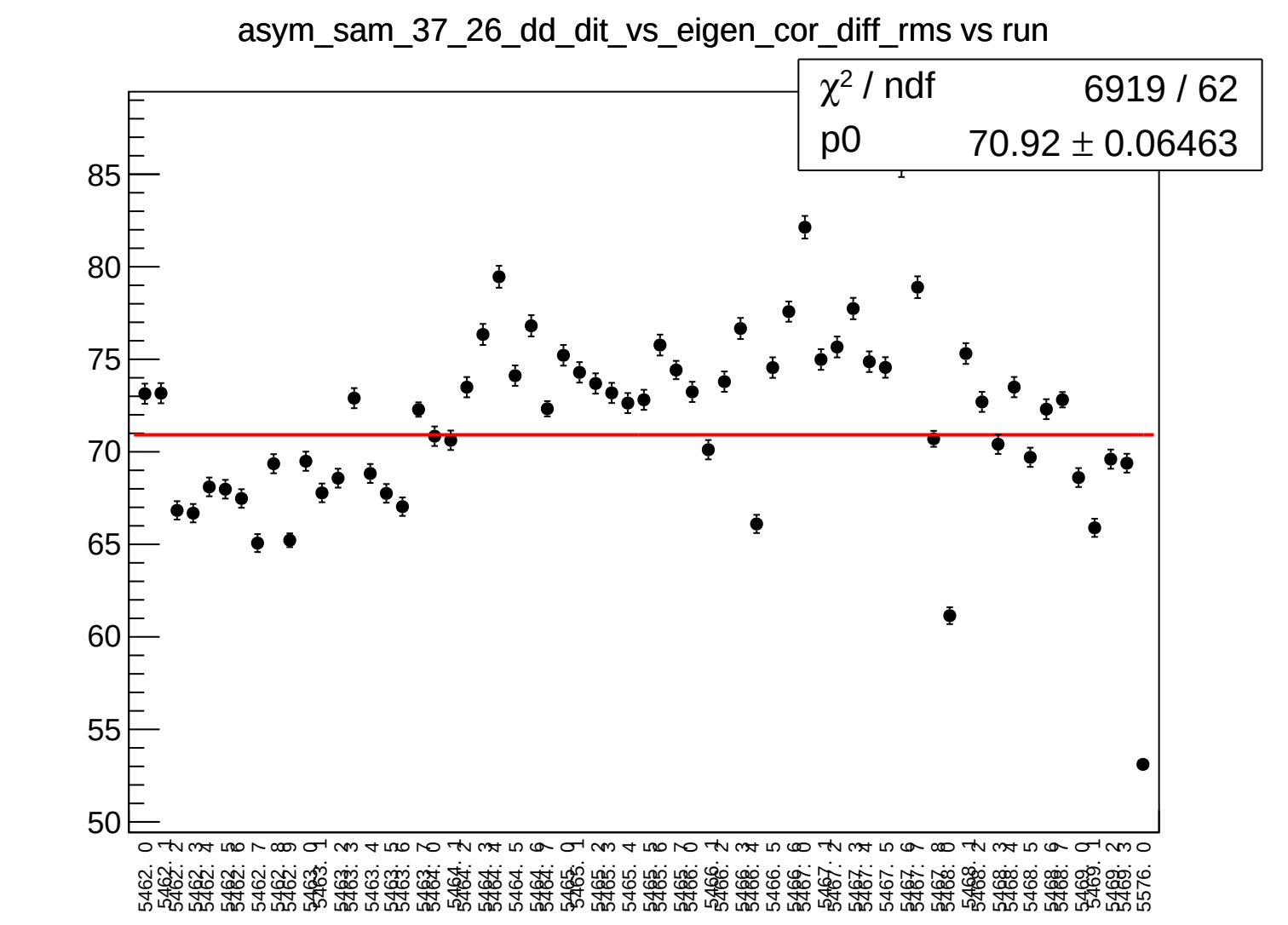

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 0.1237 ± 0.0914
pull
Entries 63
Mean −11.27
Std Dev 0

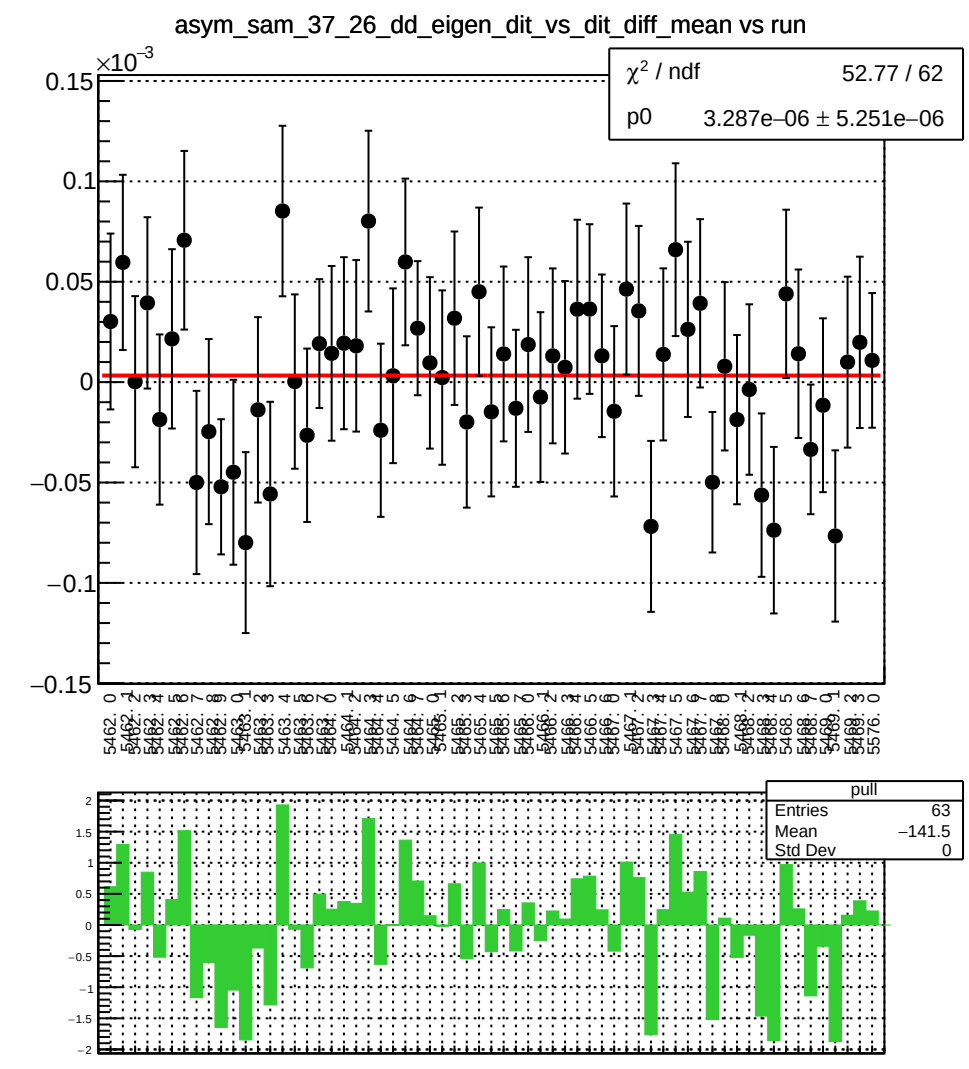

pull1D
Entries 63
Mean −0.01035
Std Dev 1.04

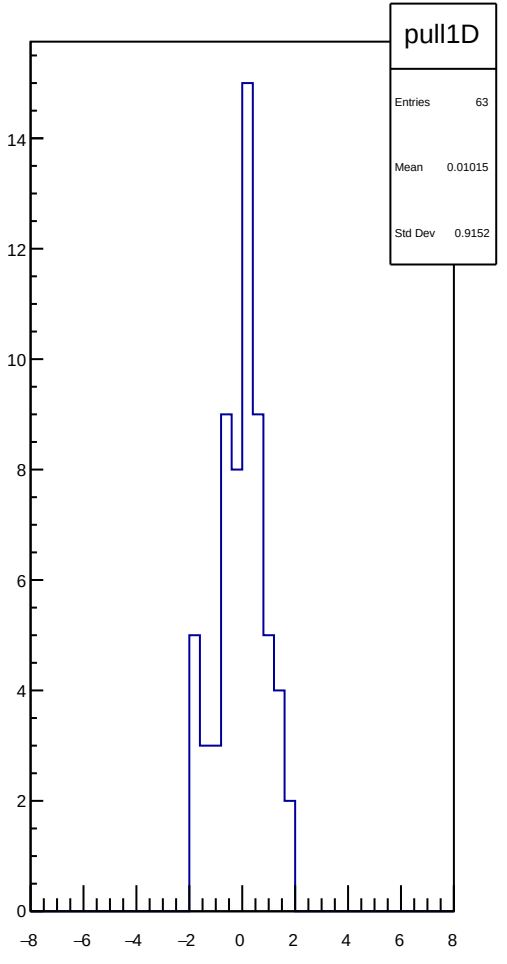

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6919 / 62
p0 70.92 ± 0.06463
85
80
75
70
65
60
55
50

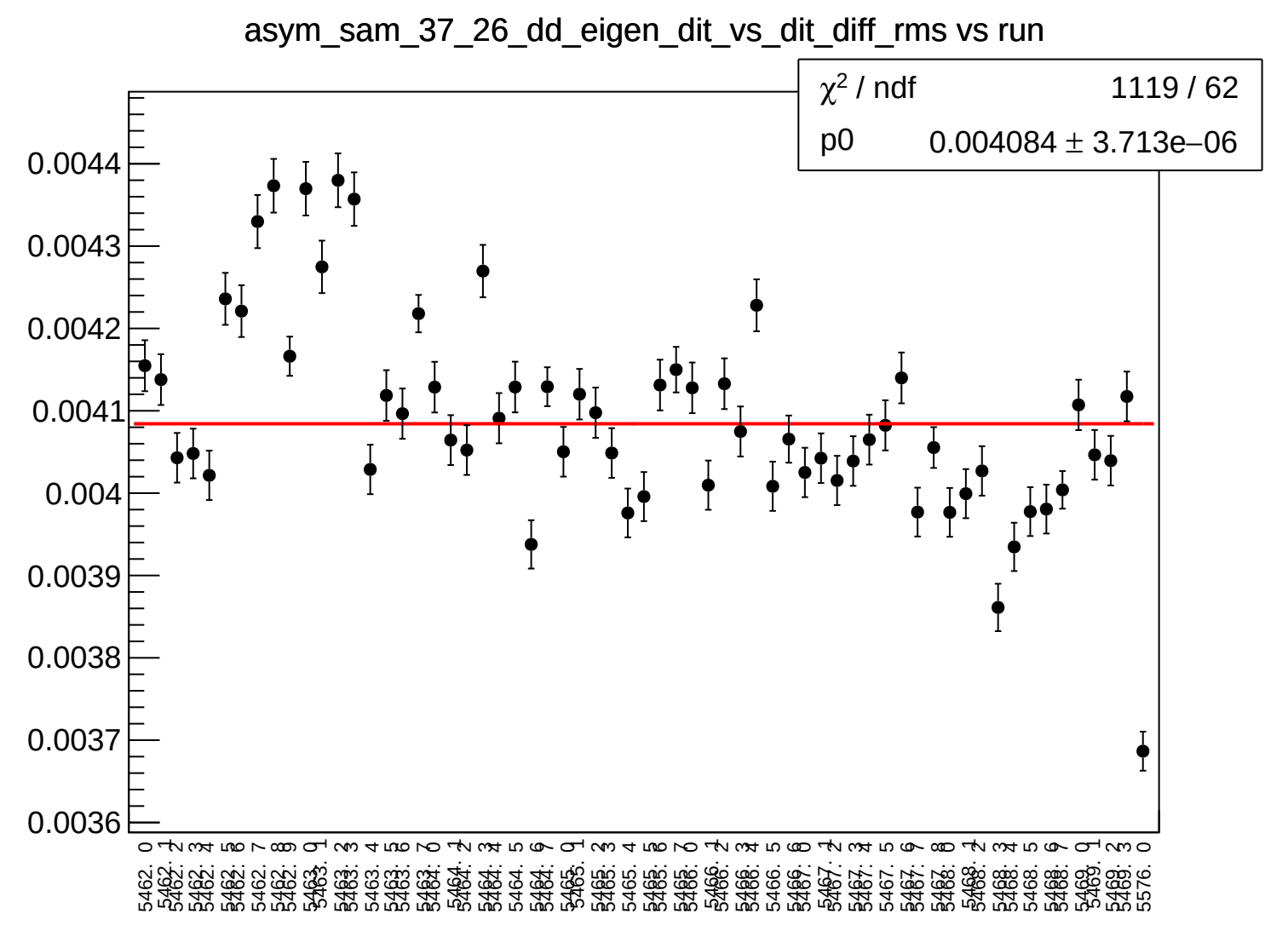

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 0.1237 ± 0.0914
pull
Entries 63
Mean −11.27
Std Dev 0

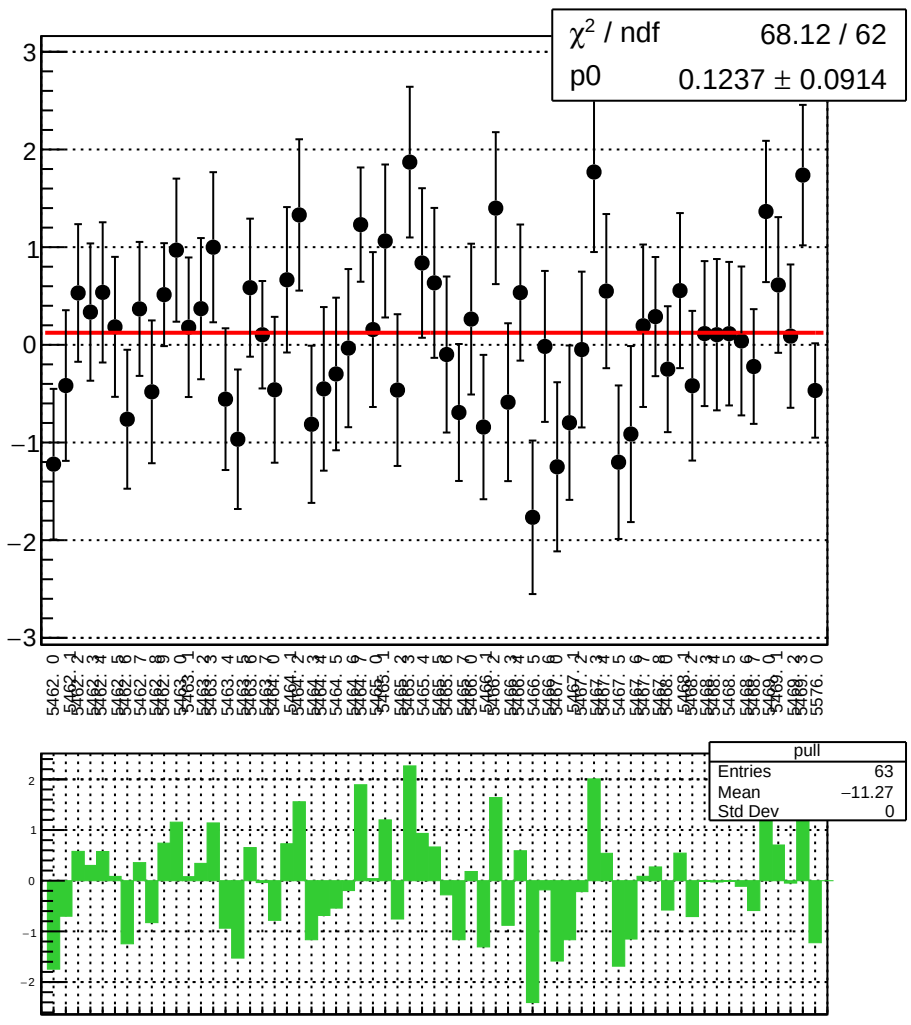

pull1D
Entries 63
Mean −0.01035
Std Dev 1.04

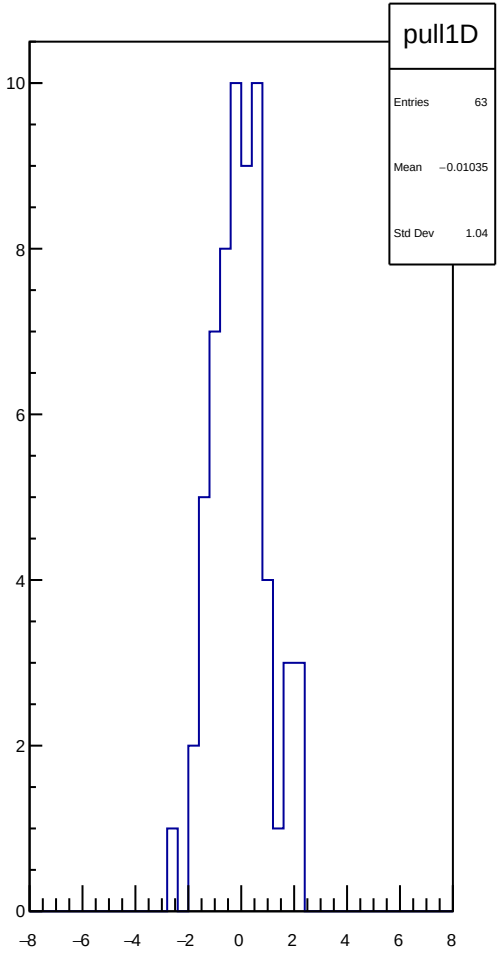

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6919 / 62
p0 70.92 ± 0.06463
85
80
75
70
65
60
55
50

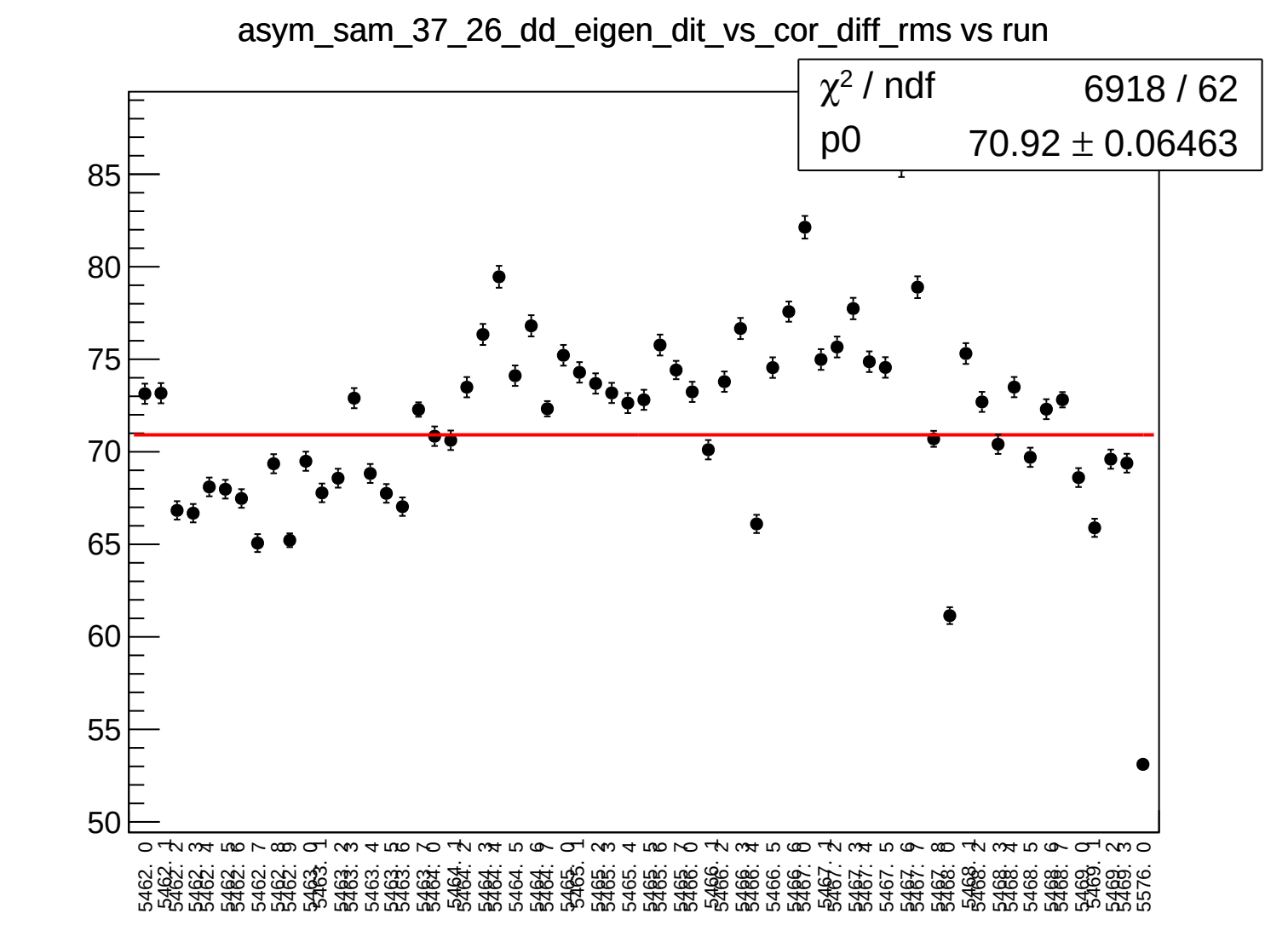

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.77 / 62
p0 3.287e−06 ± 5.251e−06
pull
Entries 63
Mean −141.5
Std Dev 0


pull1D
Entries 63
Mean 0.01015
Std Dev 0.9152

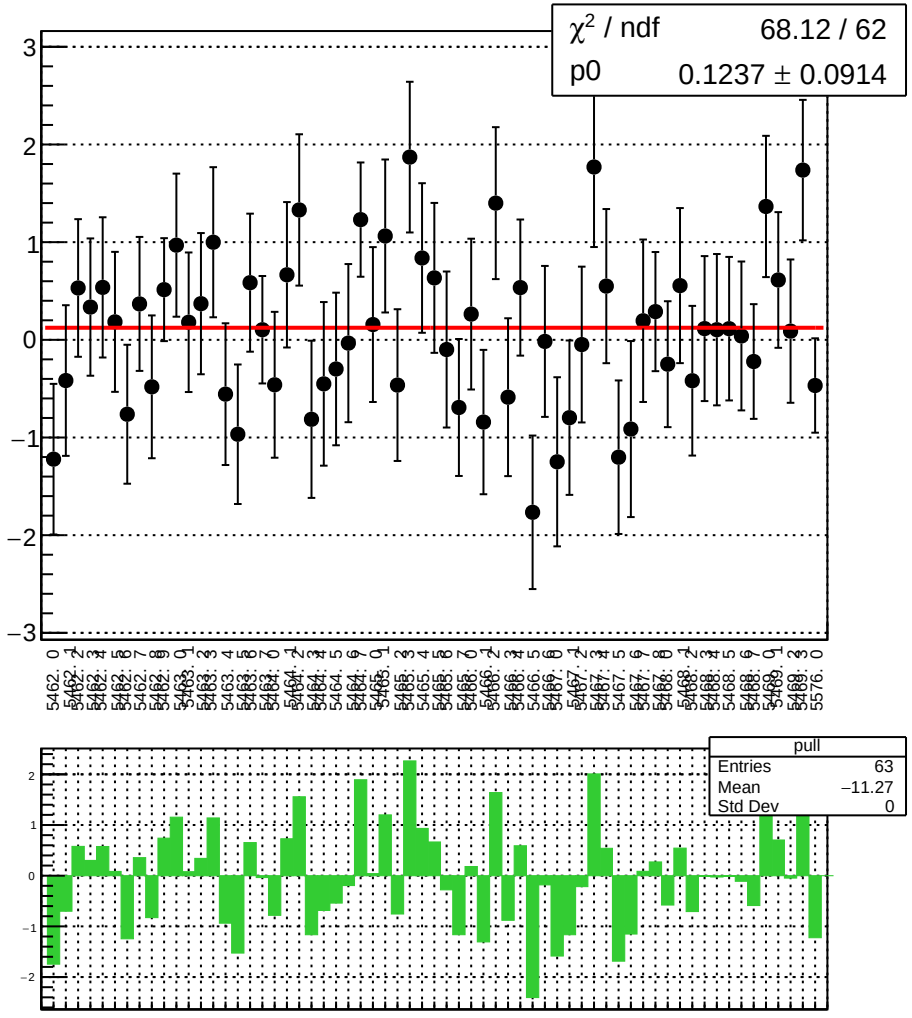

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1119 / 62
p0 0.004084 ± 3.713e−06
0.0044
0.0043
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036

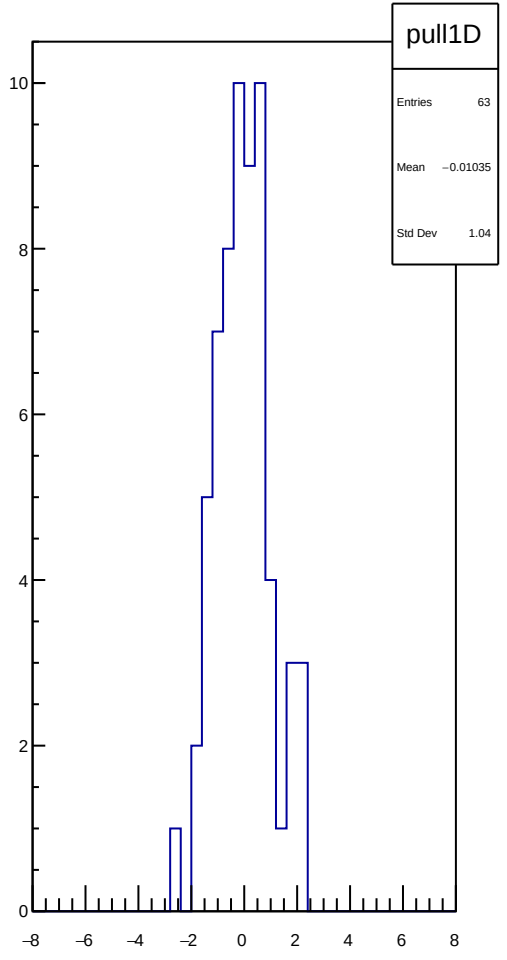

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.12 / 62
p0 0.1237 ± 0.0914
pull
Entries 63
Mean −11.27
Std Dev 0

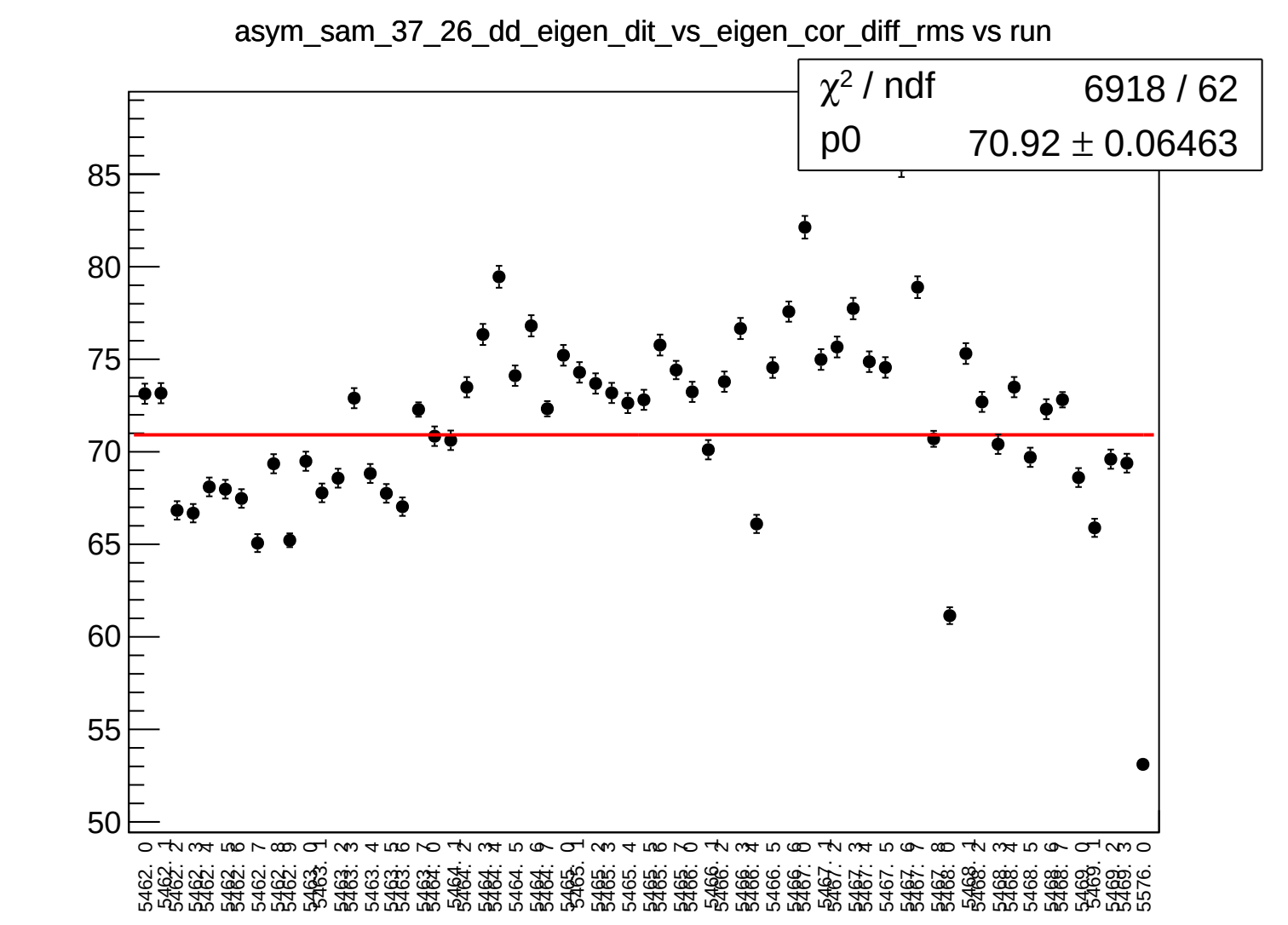

pull1D
Entries 63
Mean −0.01035
Std Dev 1.04

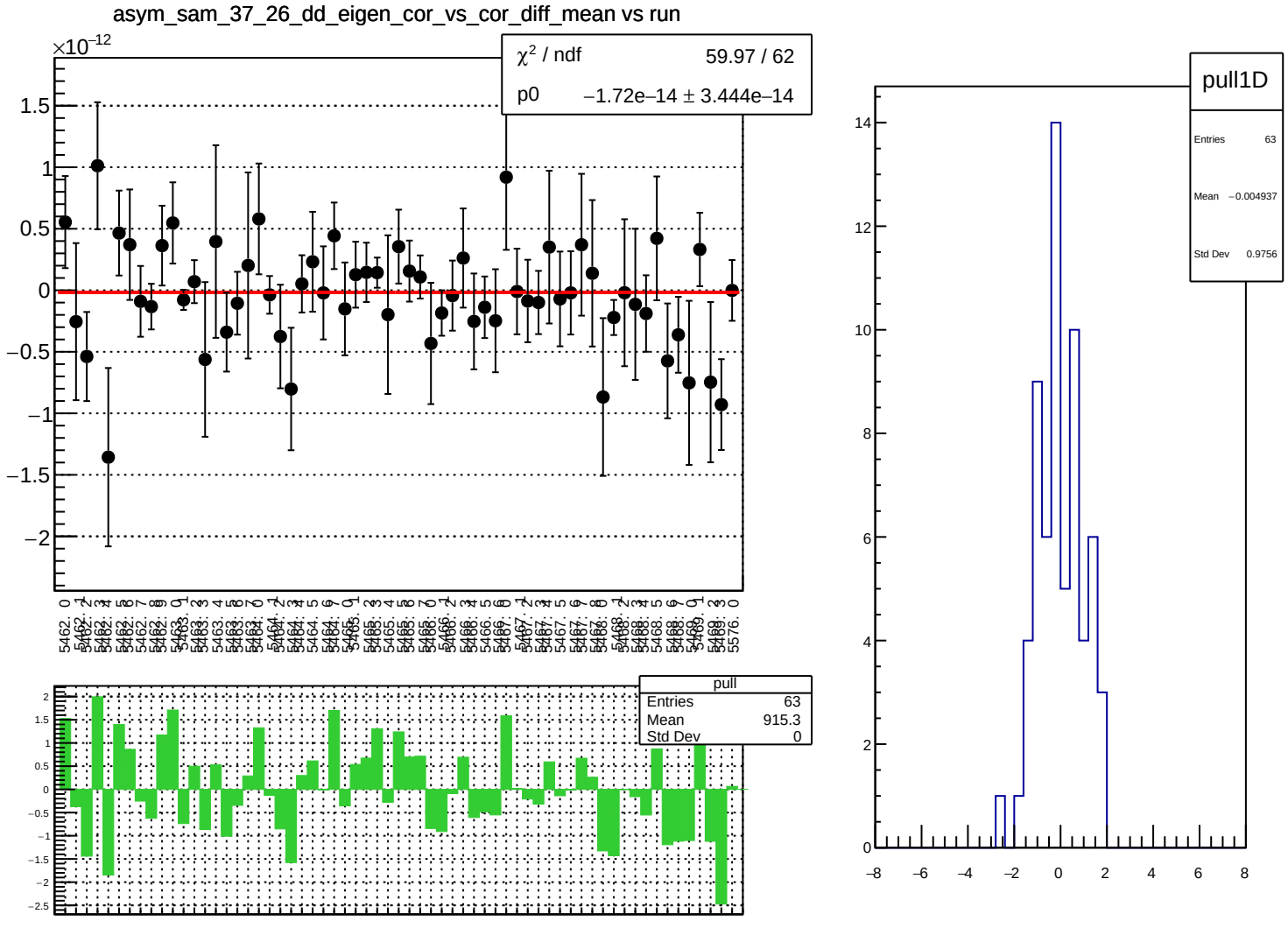

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6918 / 62
p0 70.92 ± 0.06463
85
80
75
70
65
60
55
50

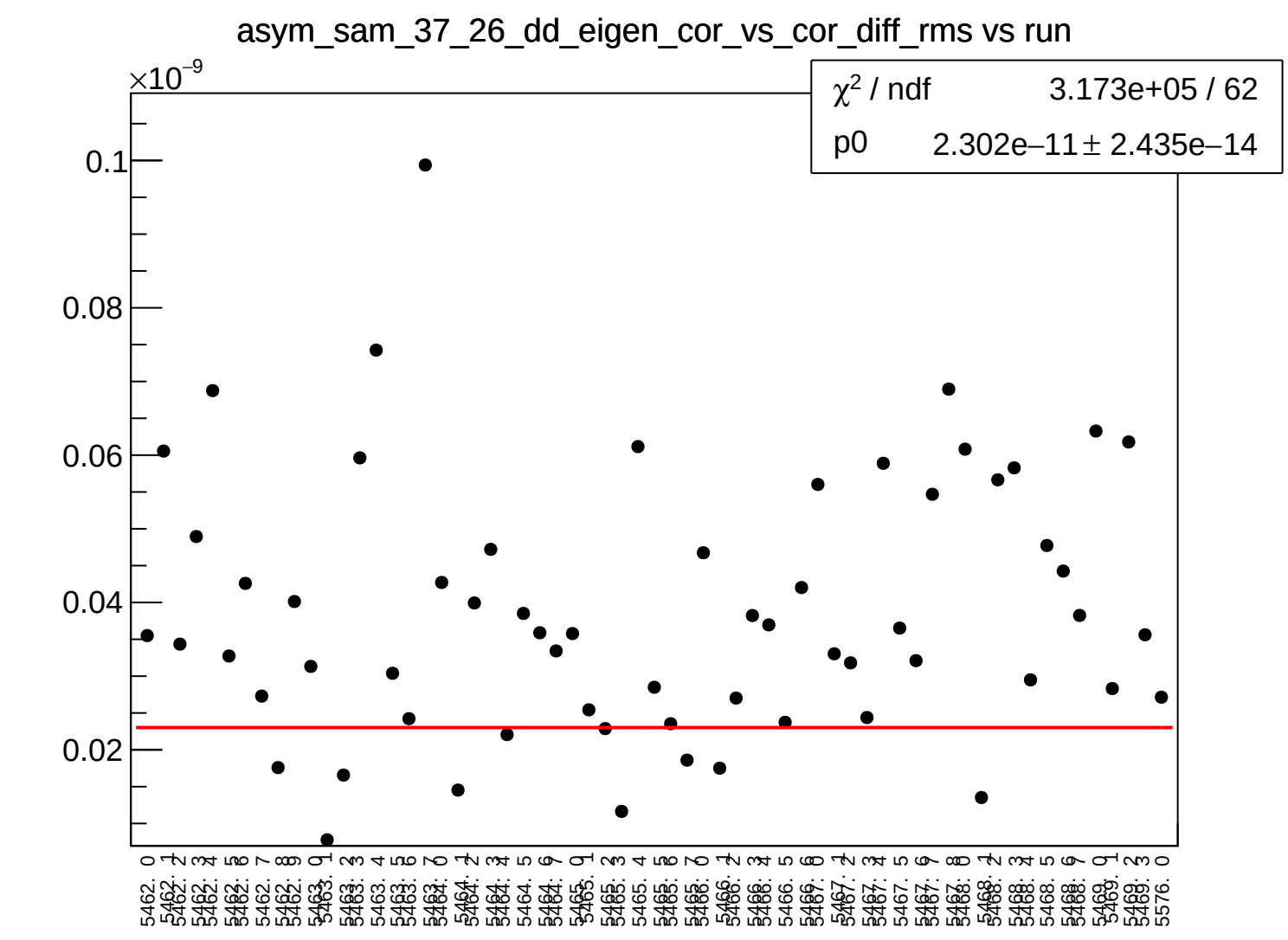
asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

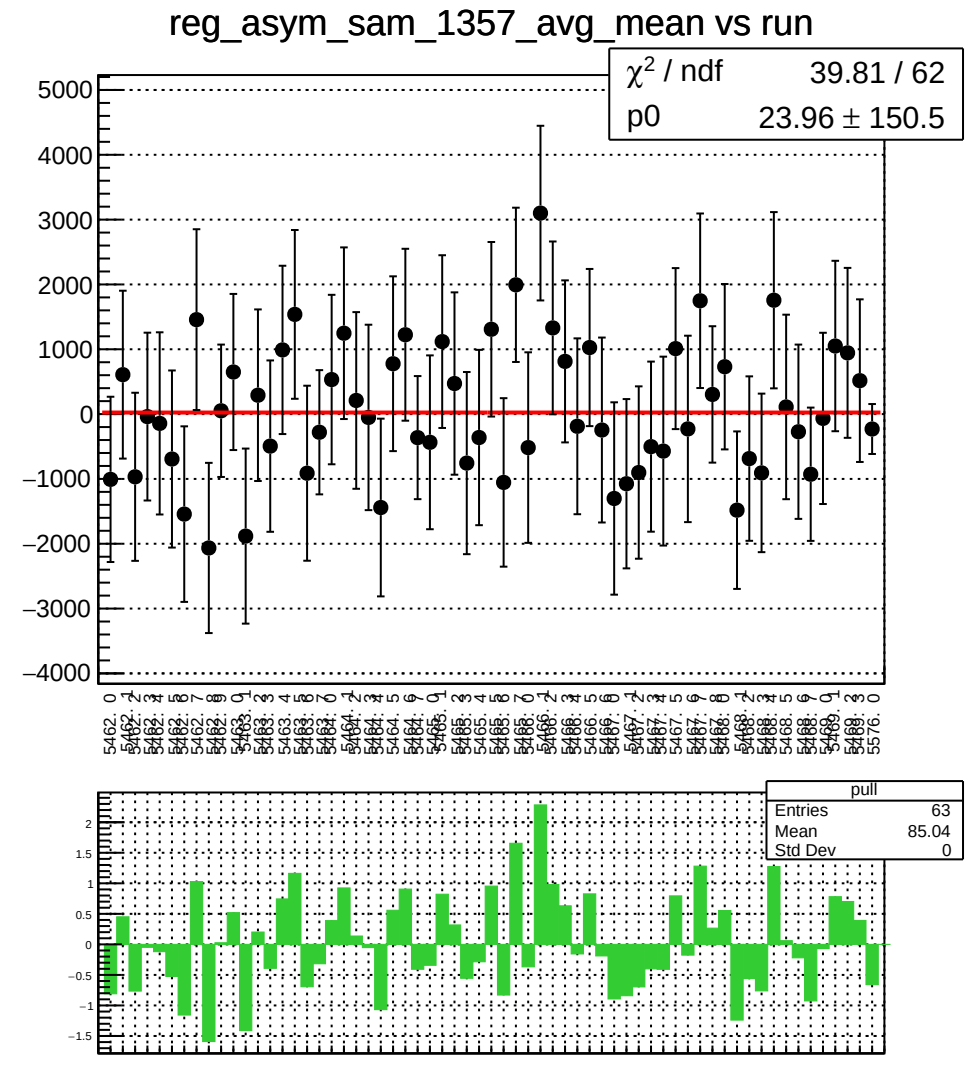


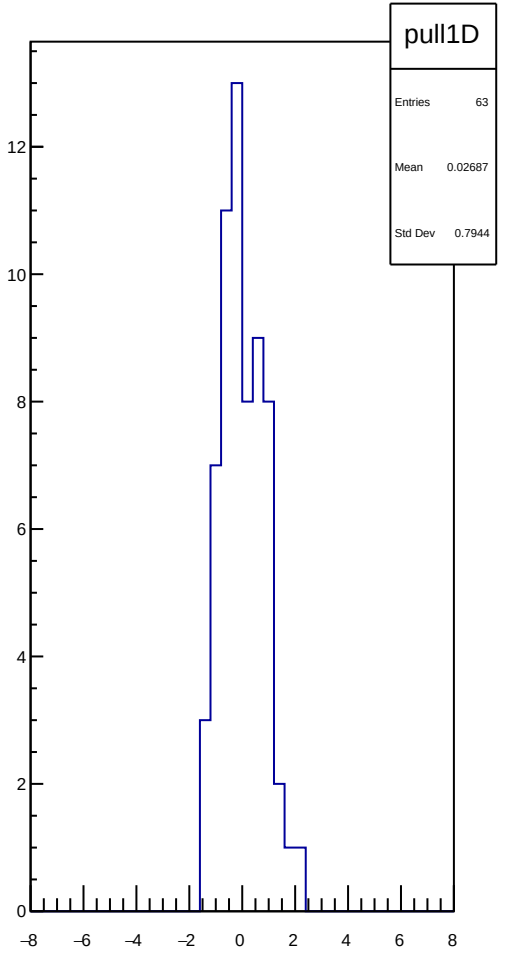


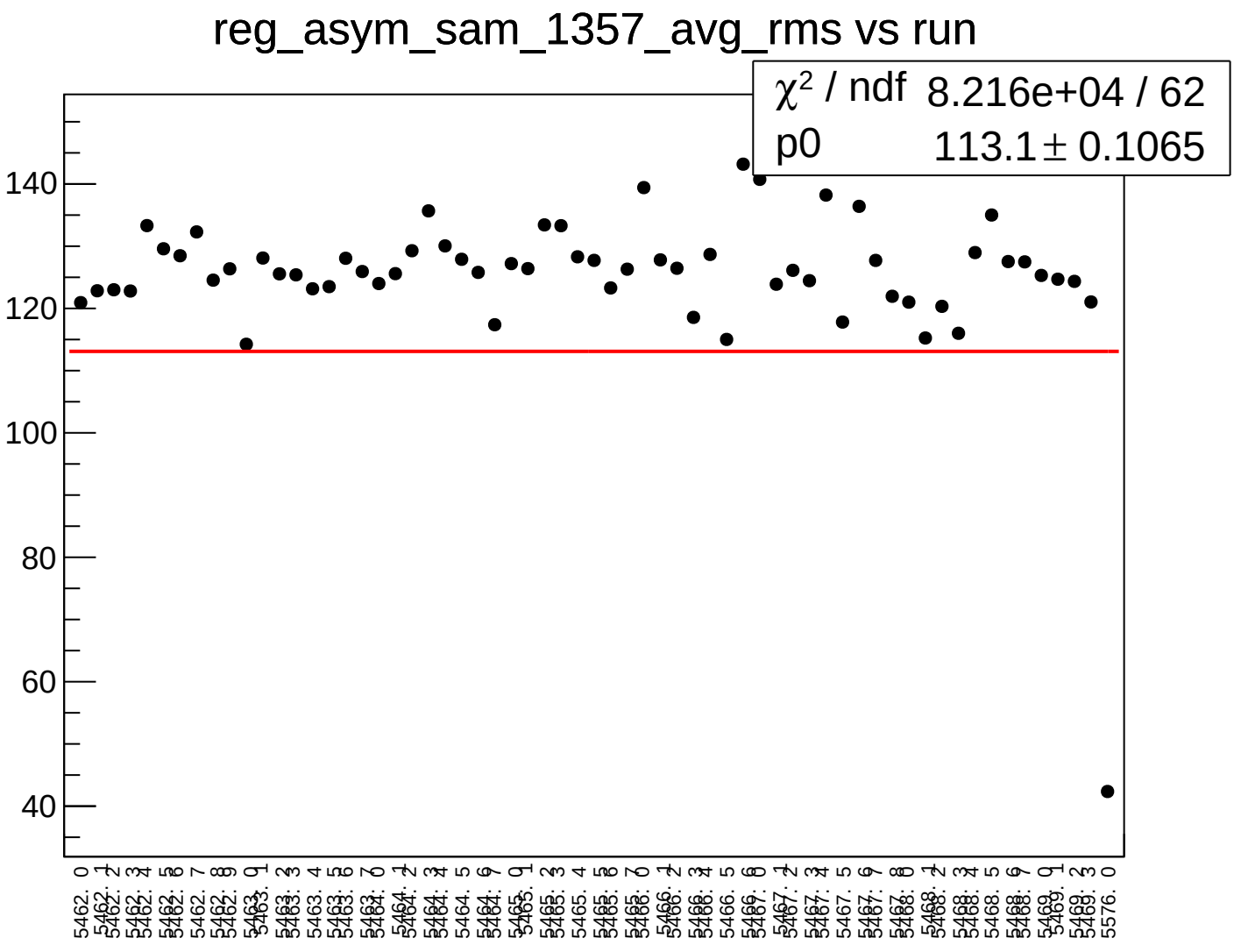

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6918 / 62
p0 70.92 ± 0.06463
85
80
75
70
65
60
55
50

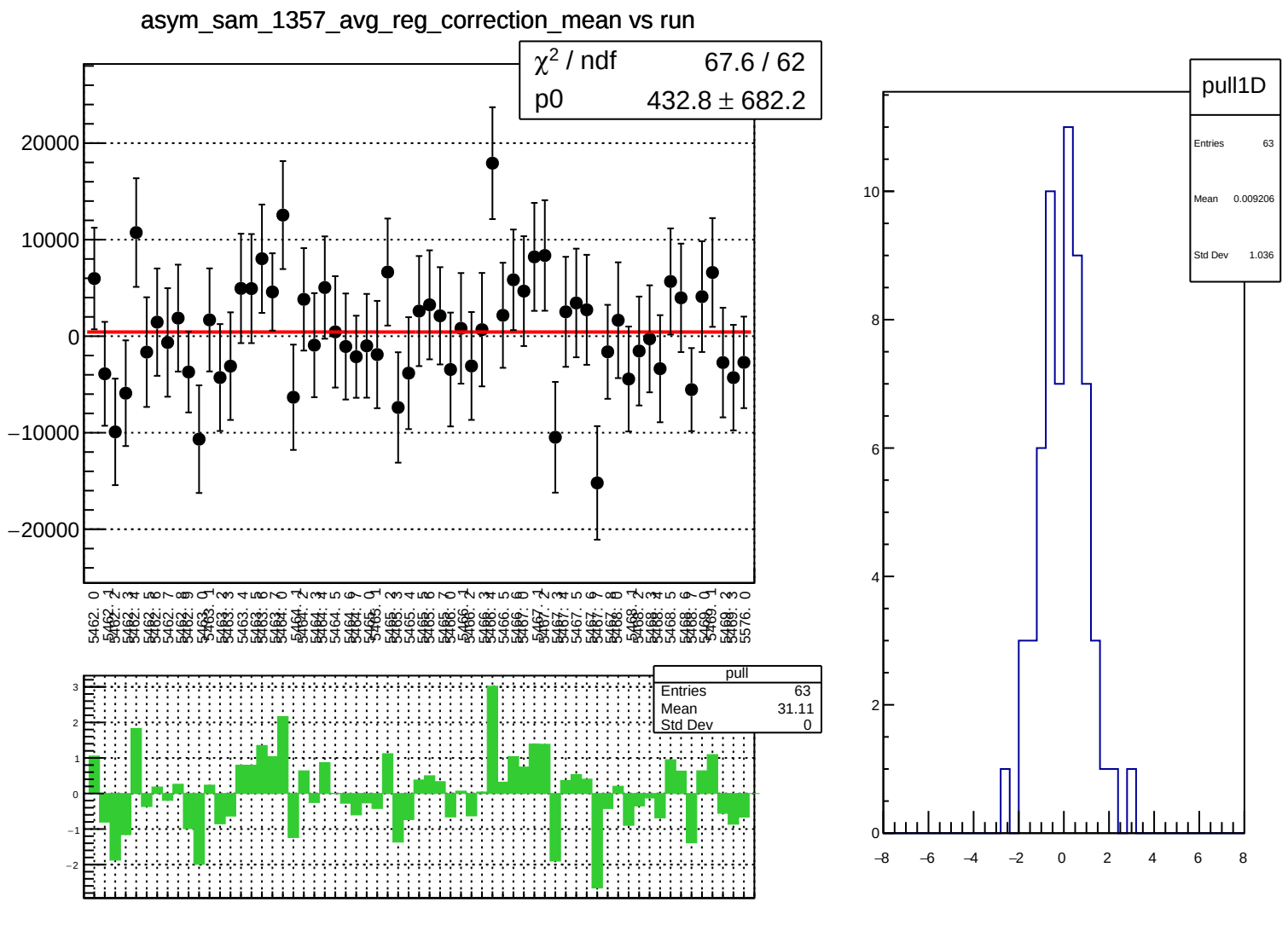

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.97 / 62
p0 −1.72e−14 ± 3.444e−14
pull
Entries 63
Mean 915.3
Std Dev 0
pull1D
Entries 63
Mean −0.004937
Std Dev 0.9756

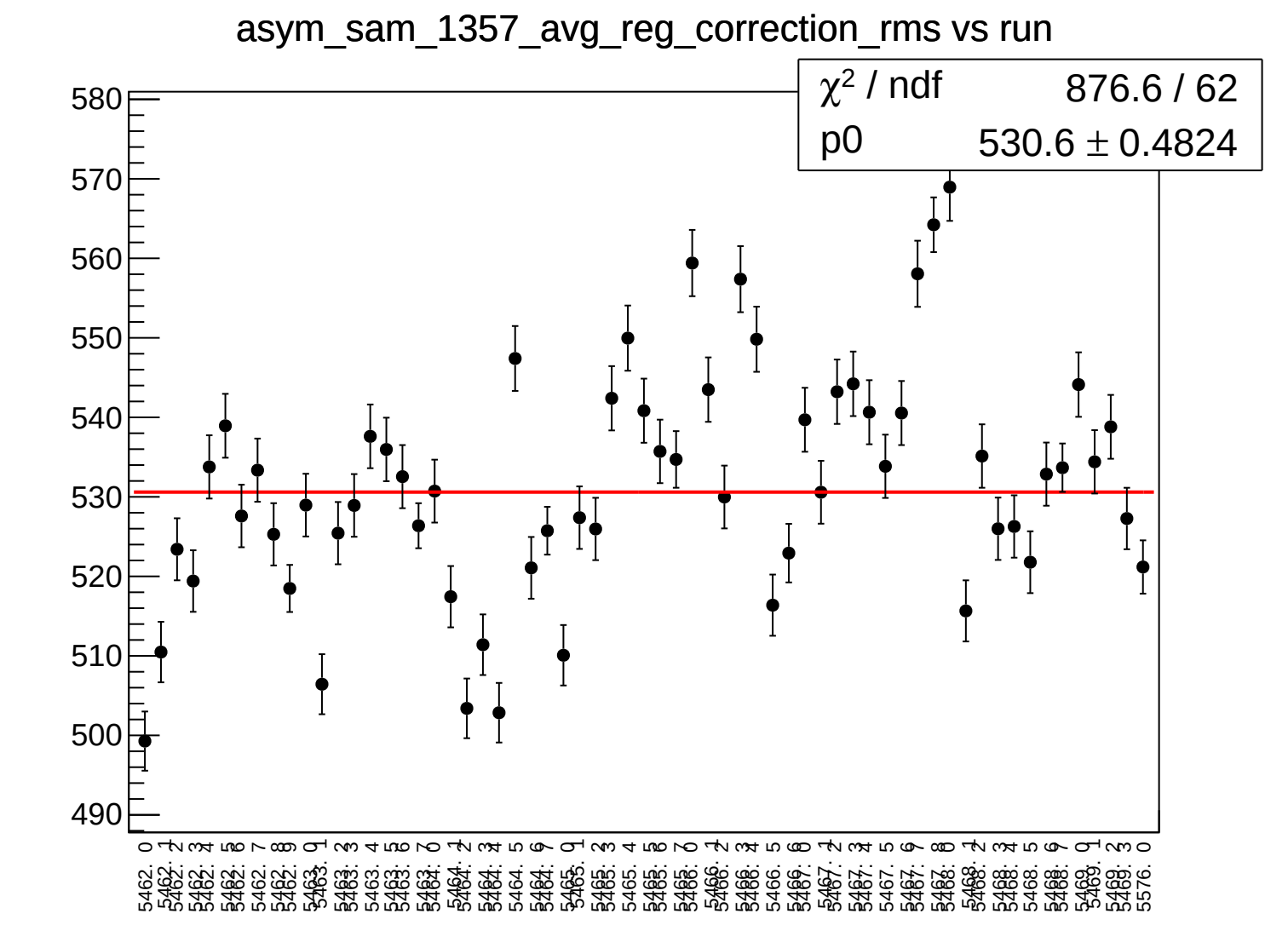

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.173e+05 / 62
p0 2.302e−11 ± 2.435e−14
0.1
0.08
0.06
0.04
0.02

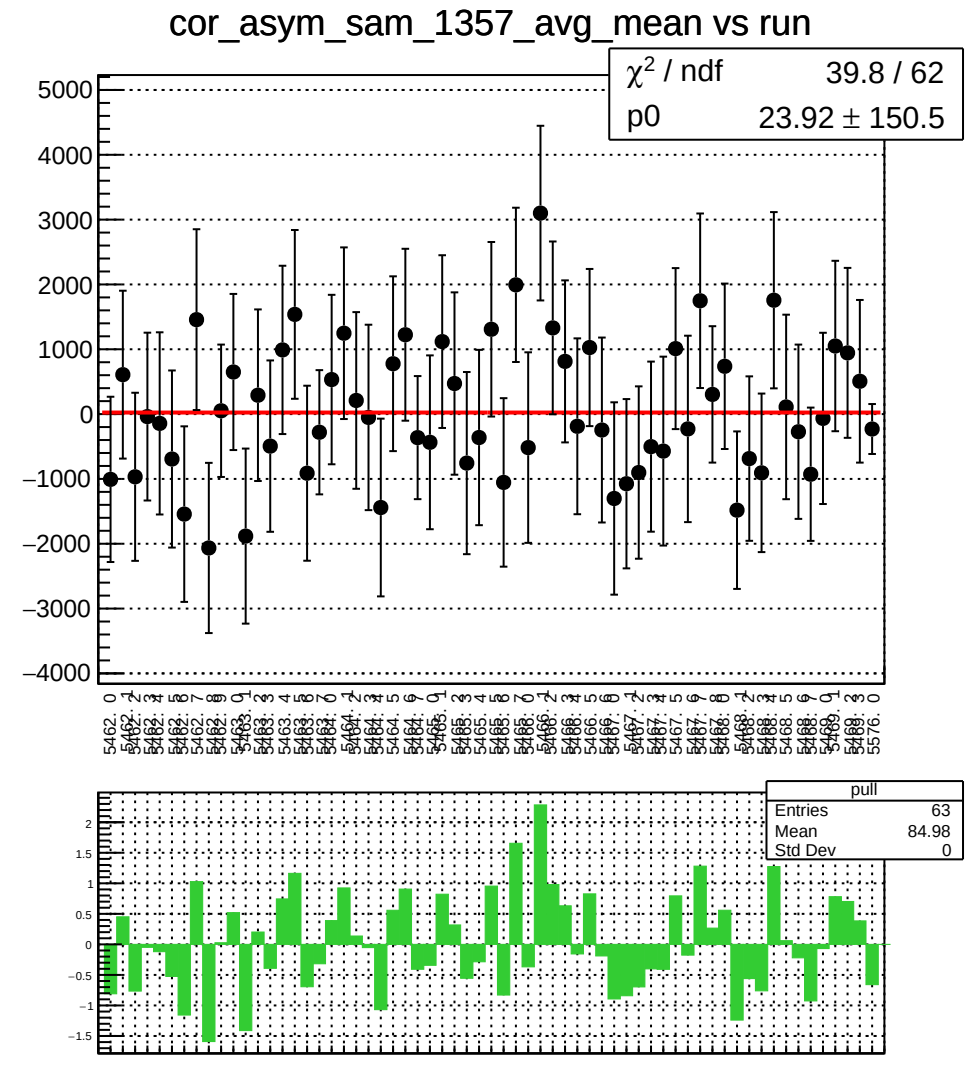

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 39.81 / 62
p0 23.96 ± 150.5
pull
Entries 63
Mean 85.04
Std Dev 0

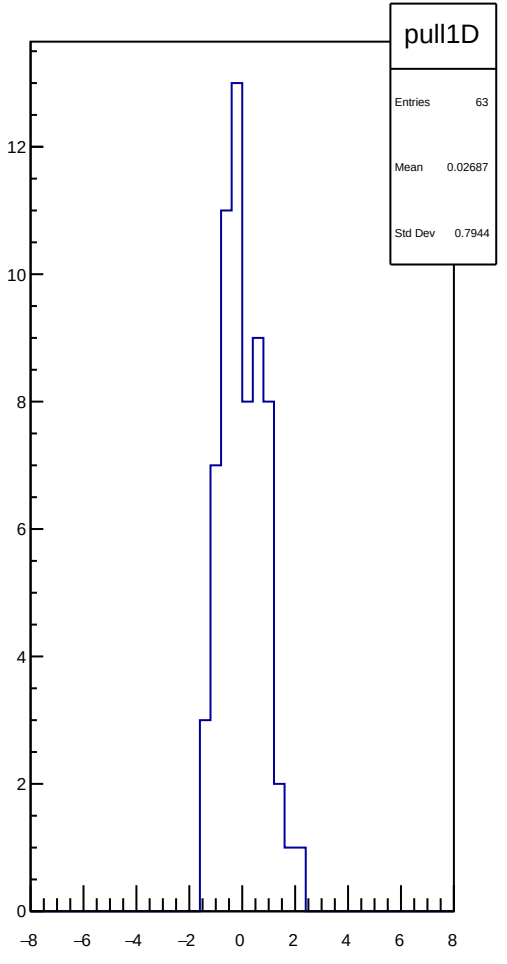

pull1D
Entries 63
Mean 0.02687
Std Dev 0.7944

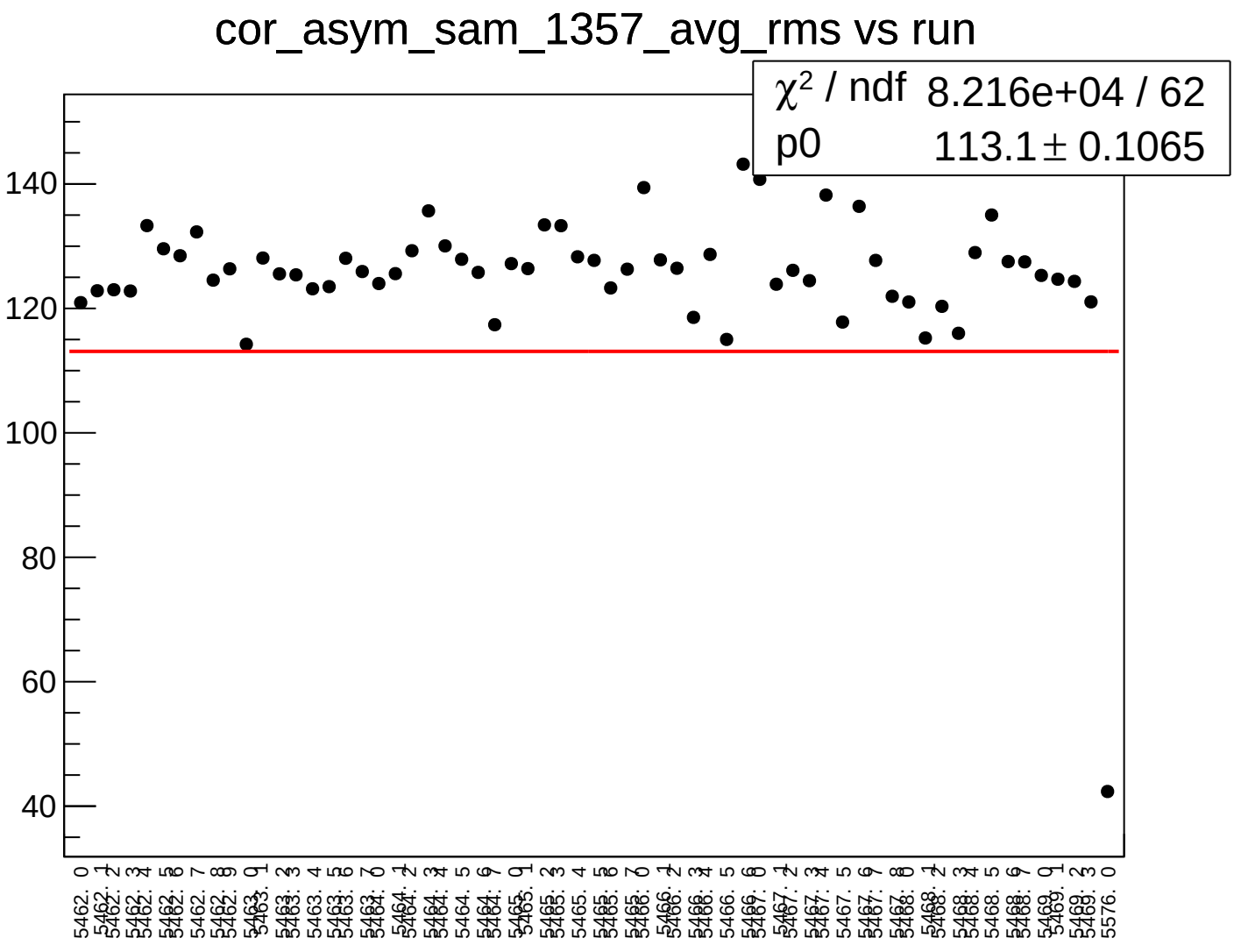

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 8.216e+04 / 62
p0 113.1 ± 0.1065
140
120
100
80
60
40

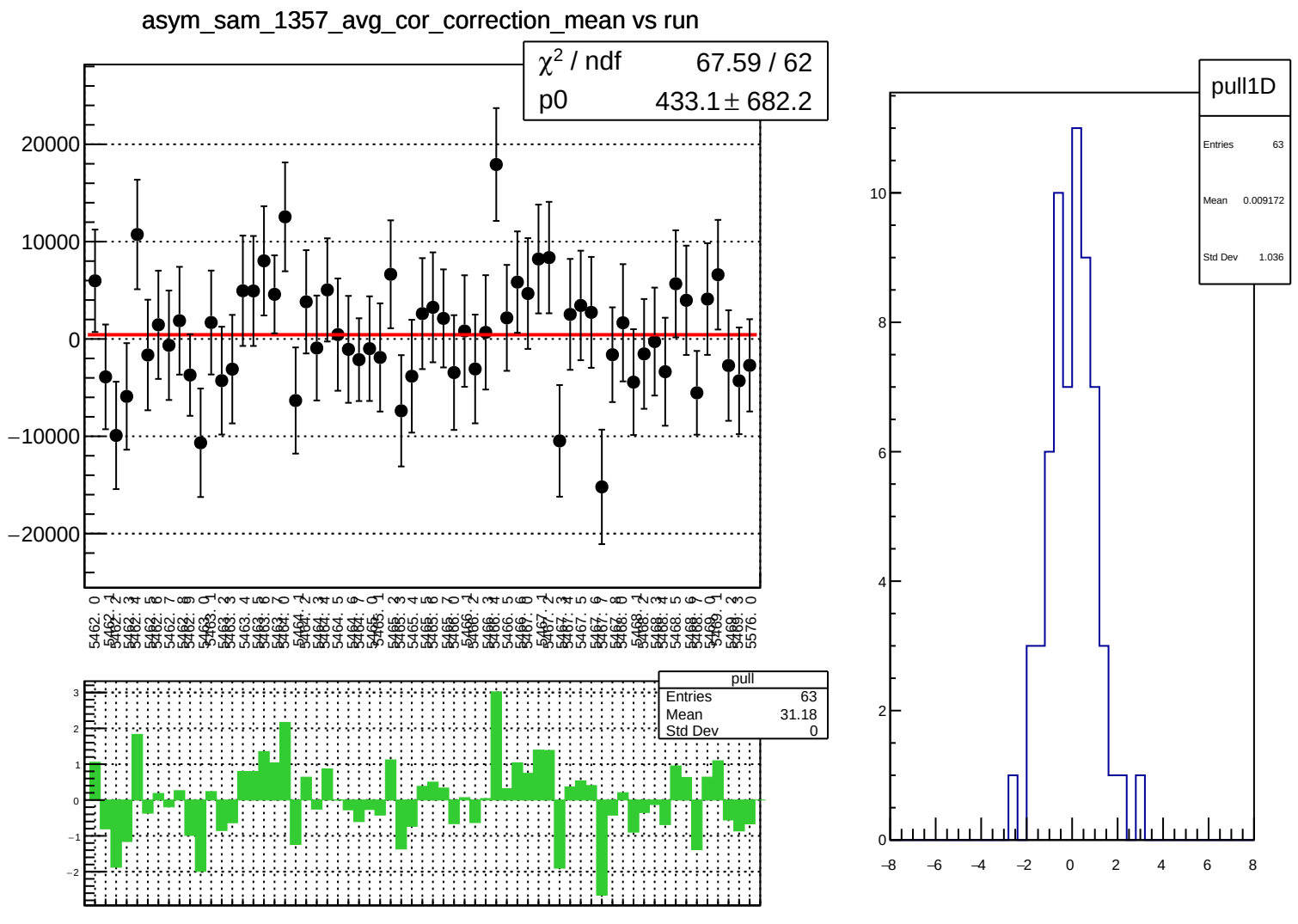

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 67.6 / 62
p0 432.8 ± 682.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 31.11
Std Dev 0
pull1D
Entries 63
Mean 0.009206
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

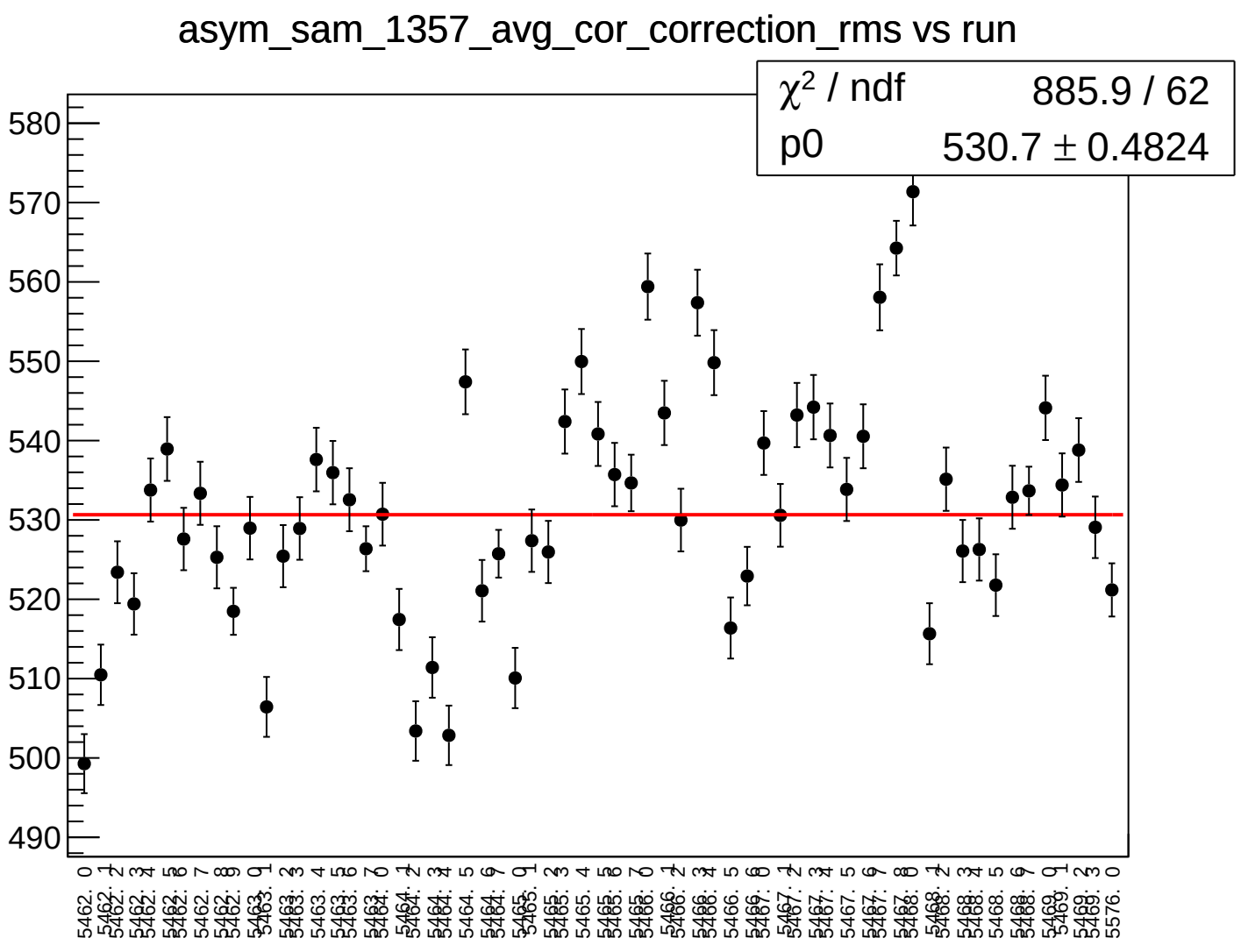

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 876.6 / 62
p0 530.6 ± 0.4824
580
570
560
550
540
530
520
510
500
490

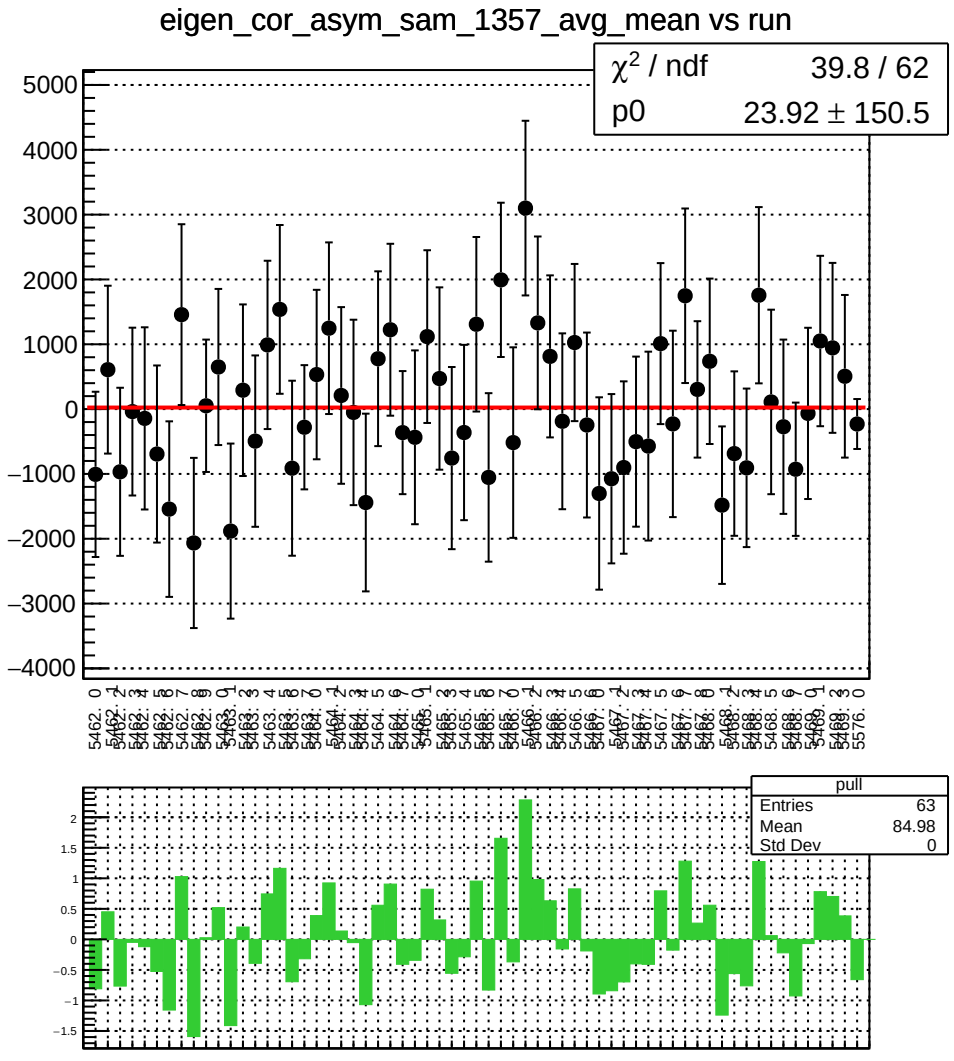

cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 39.8 / 62
p0 23.92 ± 150.5
pull
Entries 63
Mean 84.98
Std Dev 0

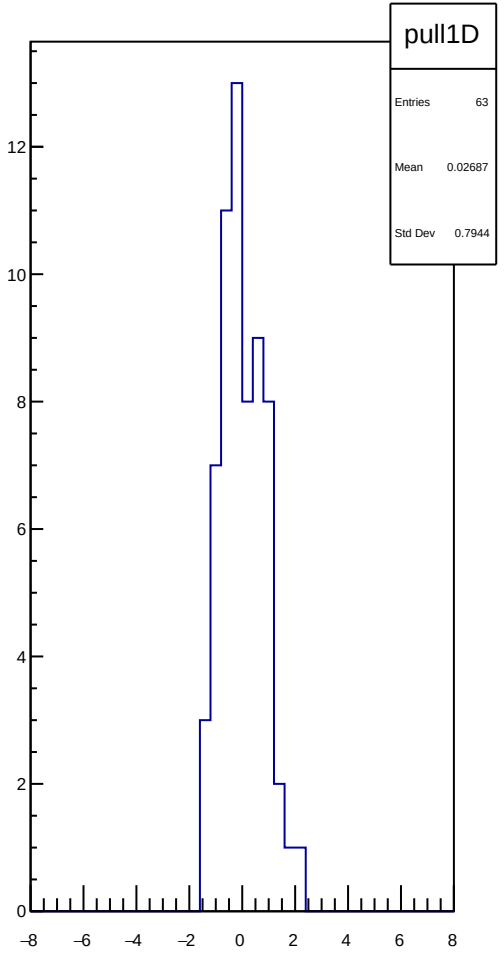

pull1D
Entries 63
Mean 0.02687
Std Dev 0.7944

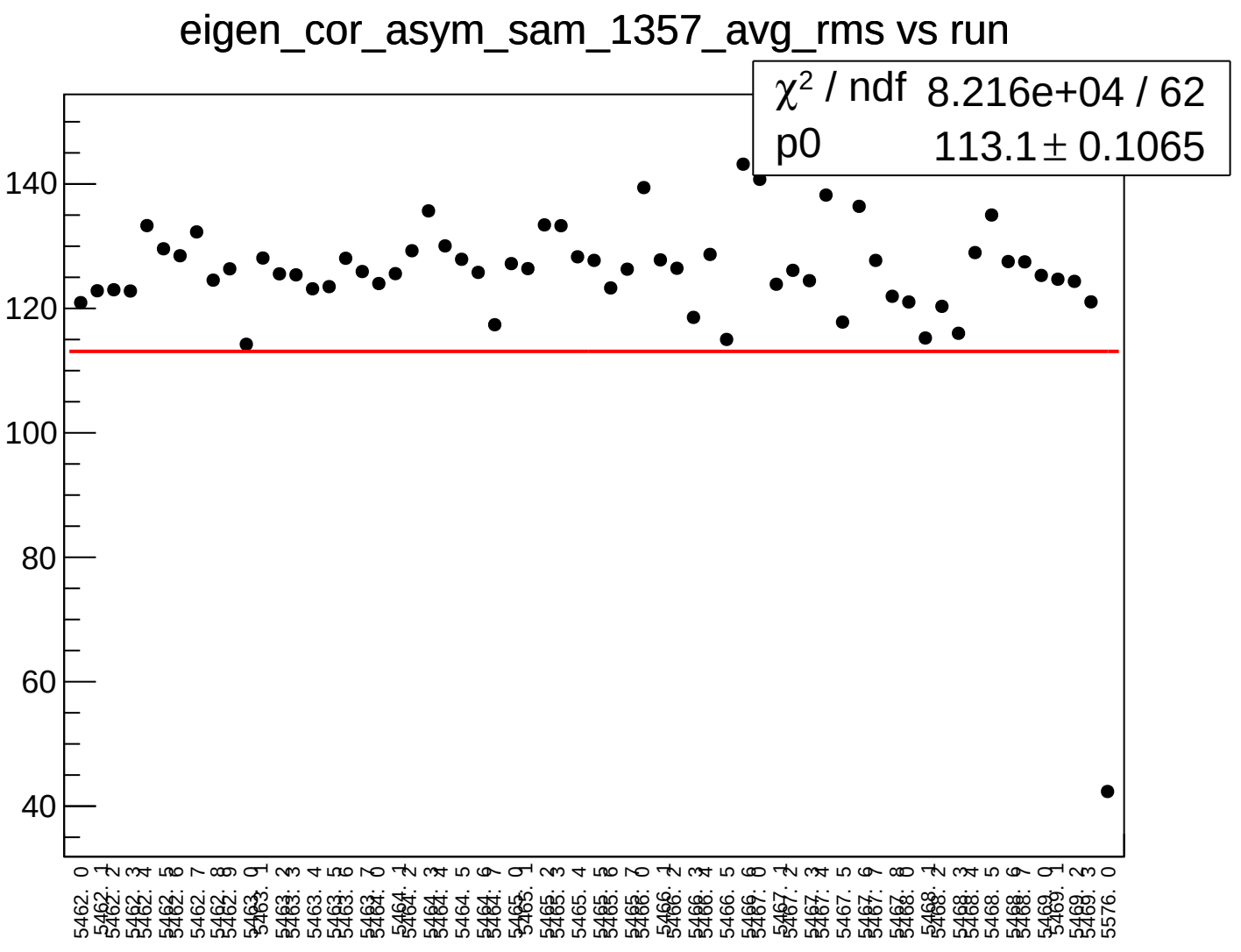

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 8.216e+04 / 62
p0 113.1 ± 0.1065
140
120
100
80
60
40

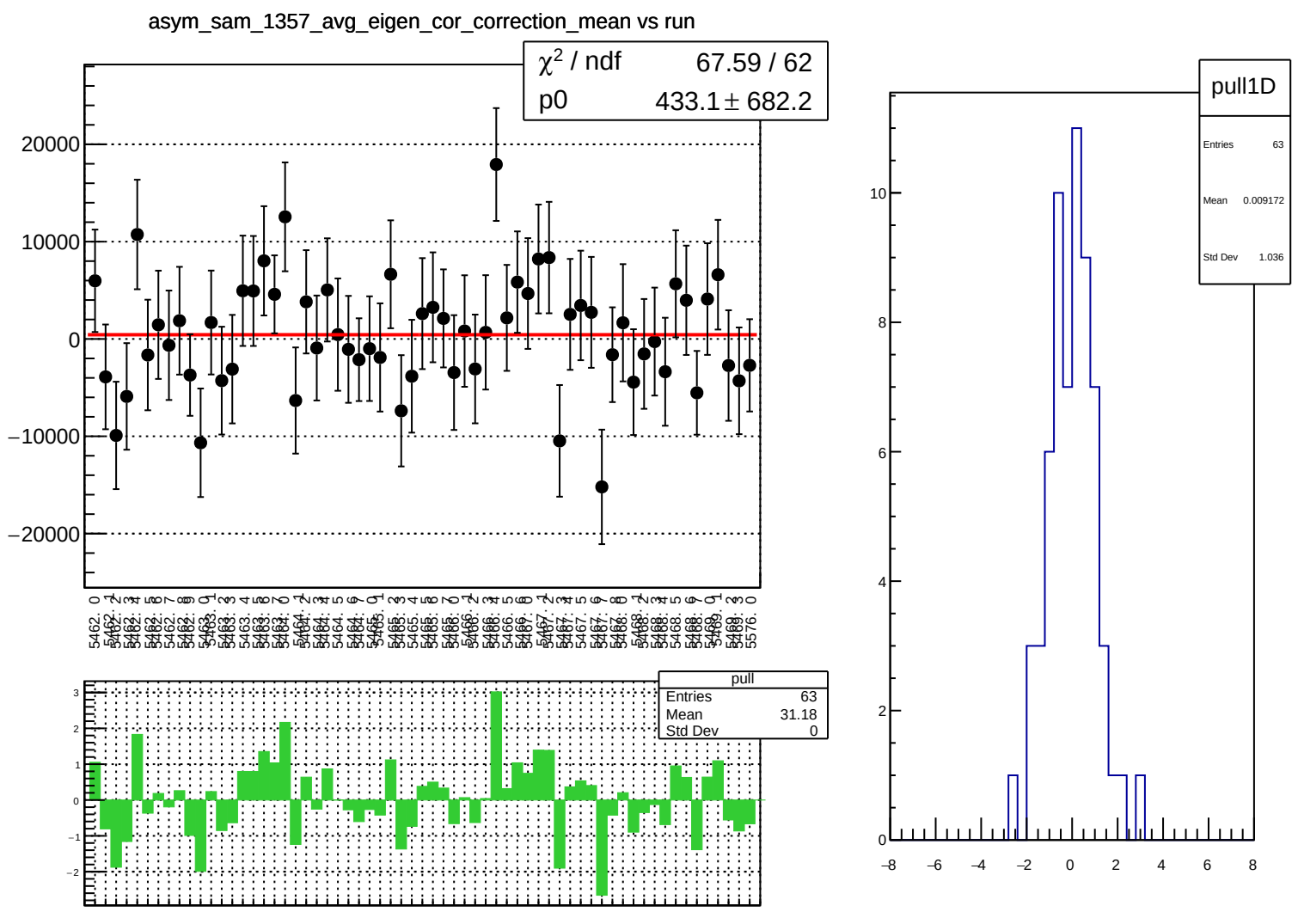

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 67.59 / 62
p0 433.1 ± 682.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 31.18
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 63
Mean 0.009172
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

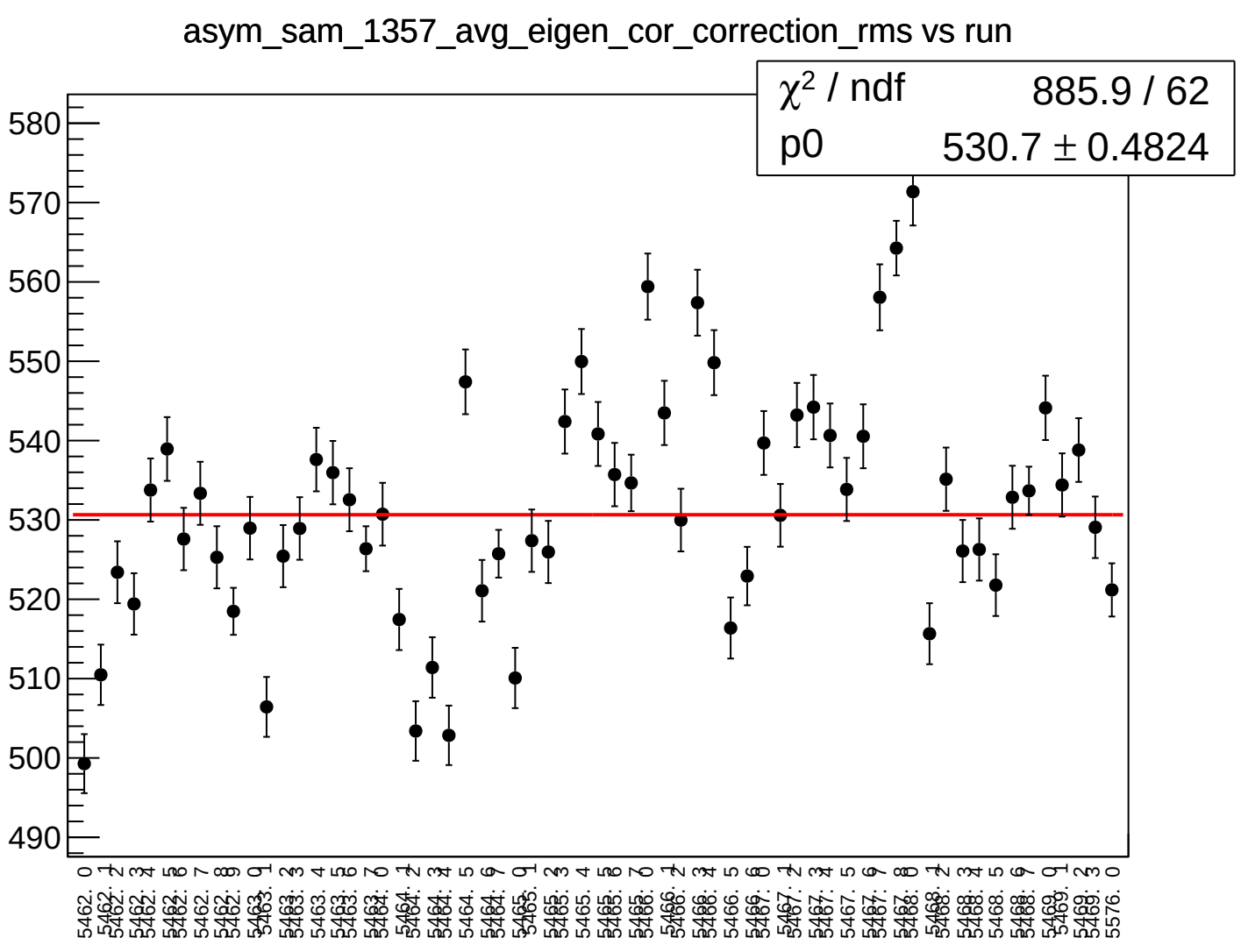

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 885.9 / 62
p0 530.7 ± 0.4824
580
570
560
550
540
530
520
510
500
490

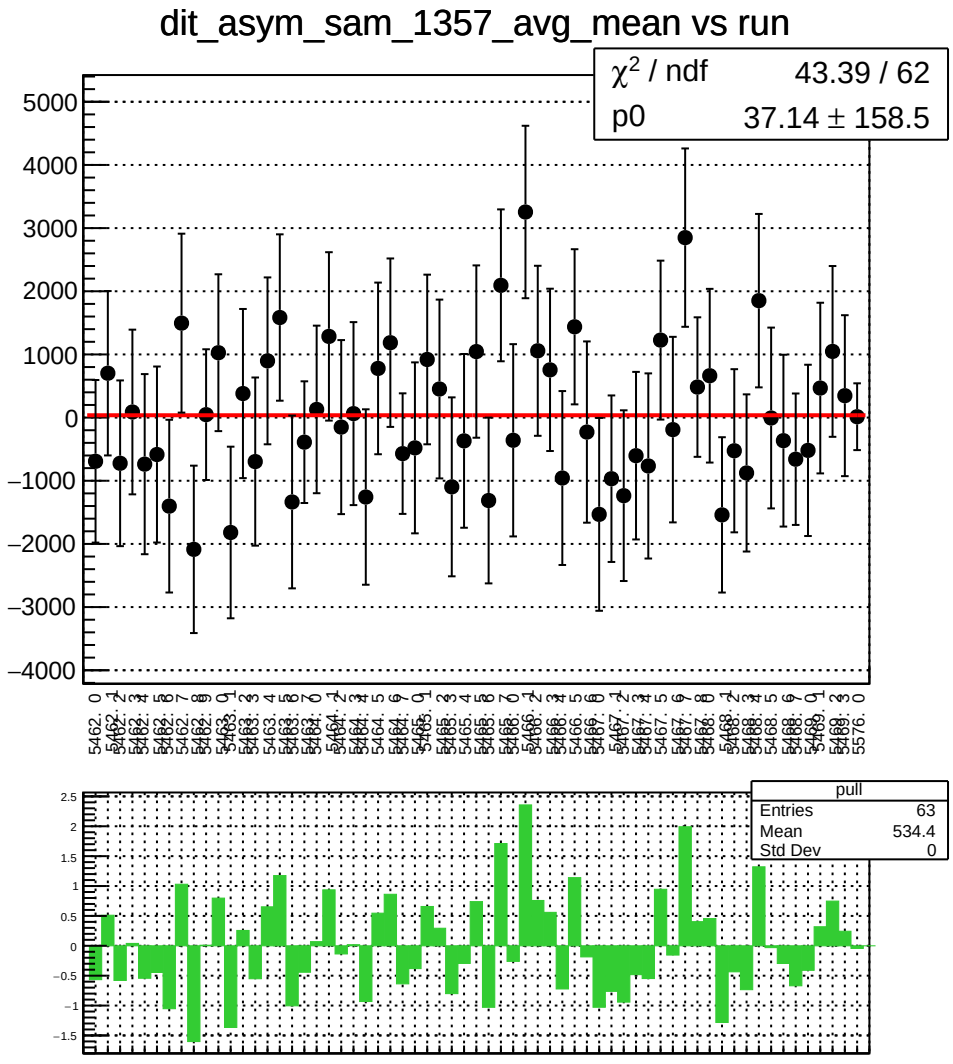

eigen_cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 39.8 / 62
p0 23.92 ± 150.5
pull
Entries 63
Mean 84.98
Std Dev 0

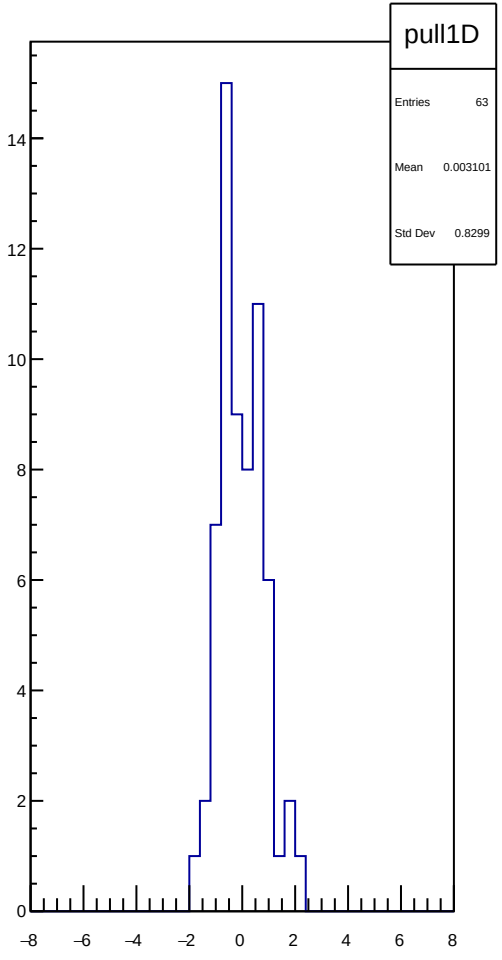

pull1D
Entries 63
Mean 0.02687
Std Dev 0.7944

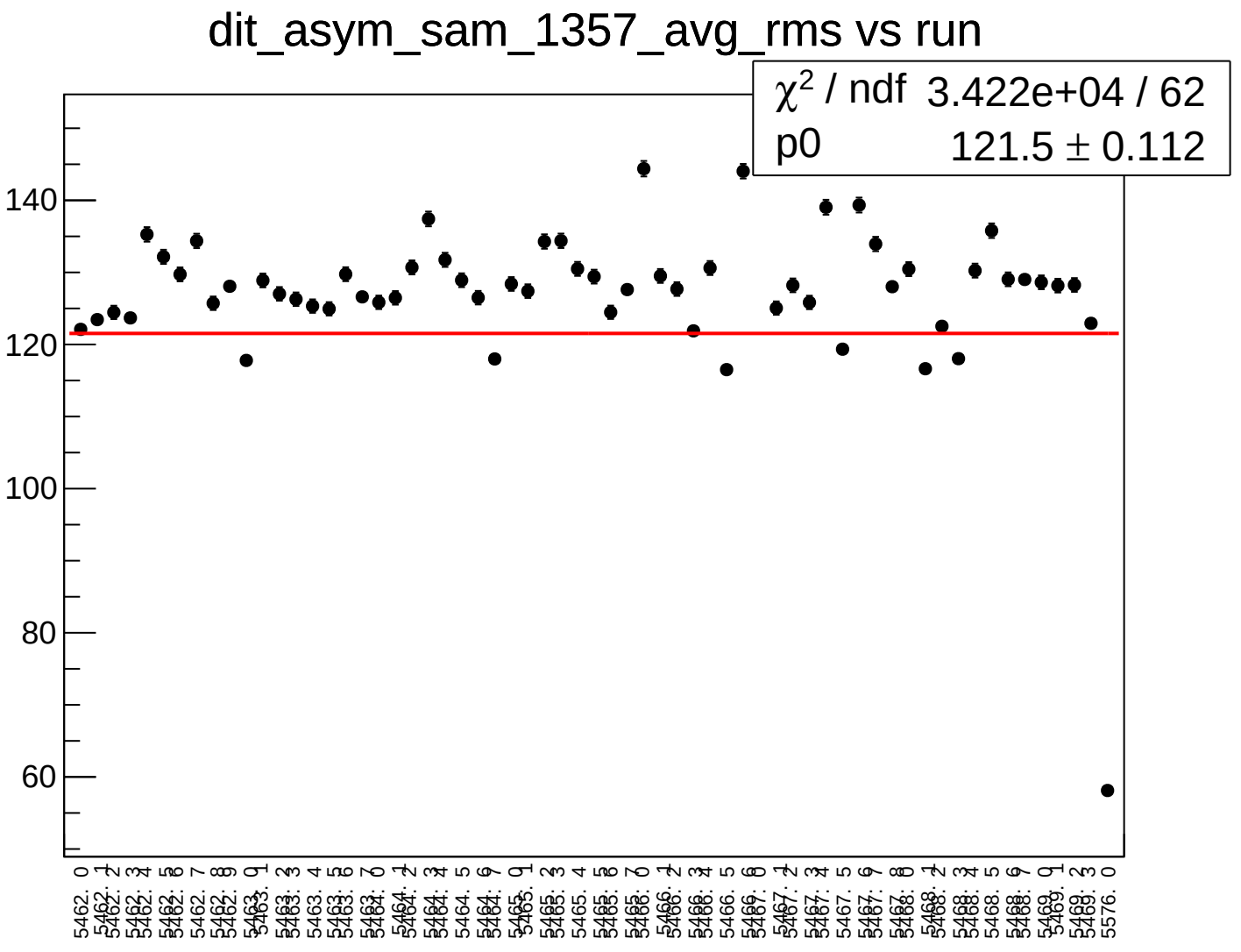

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 8.216e+04 / 62
p0 113.1 ± 0.1065
140
120
100
80
60
40

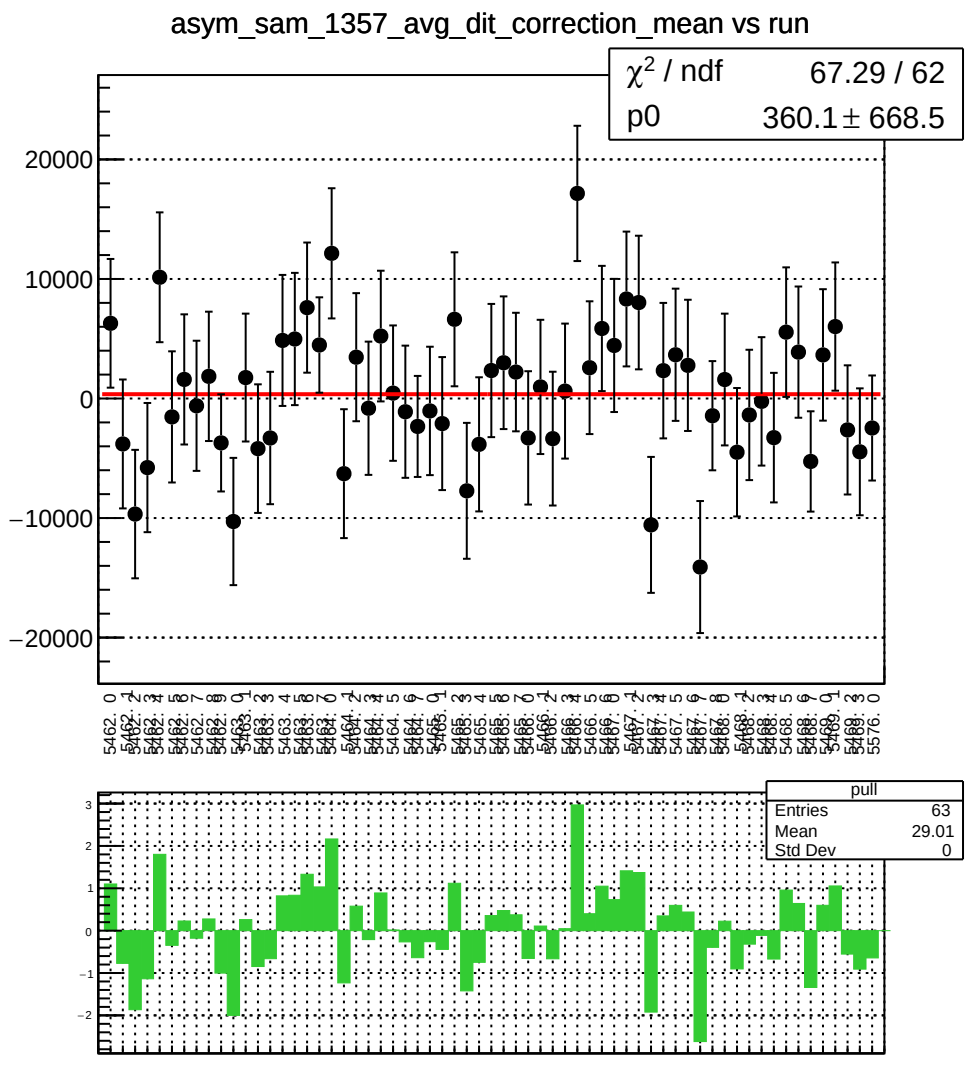

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.59 / 62
p0 433.1 ± 682.2
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 31.18
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 63
Mean 0.009172
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

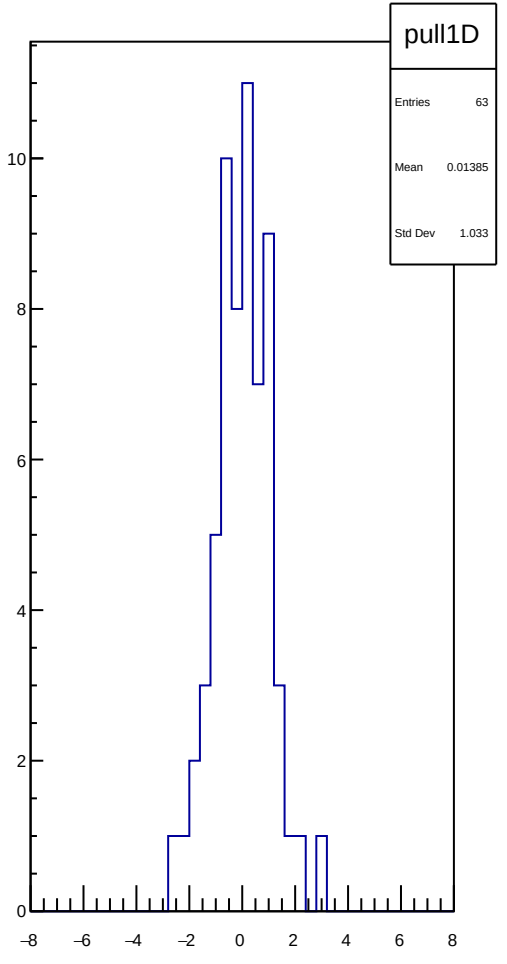

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 885.9 / 62
p0 530.7 ± 0.4824
580
570
560
550
540
530
520
510
500
490

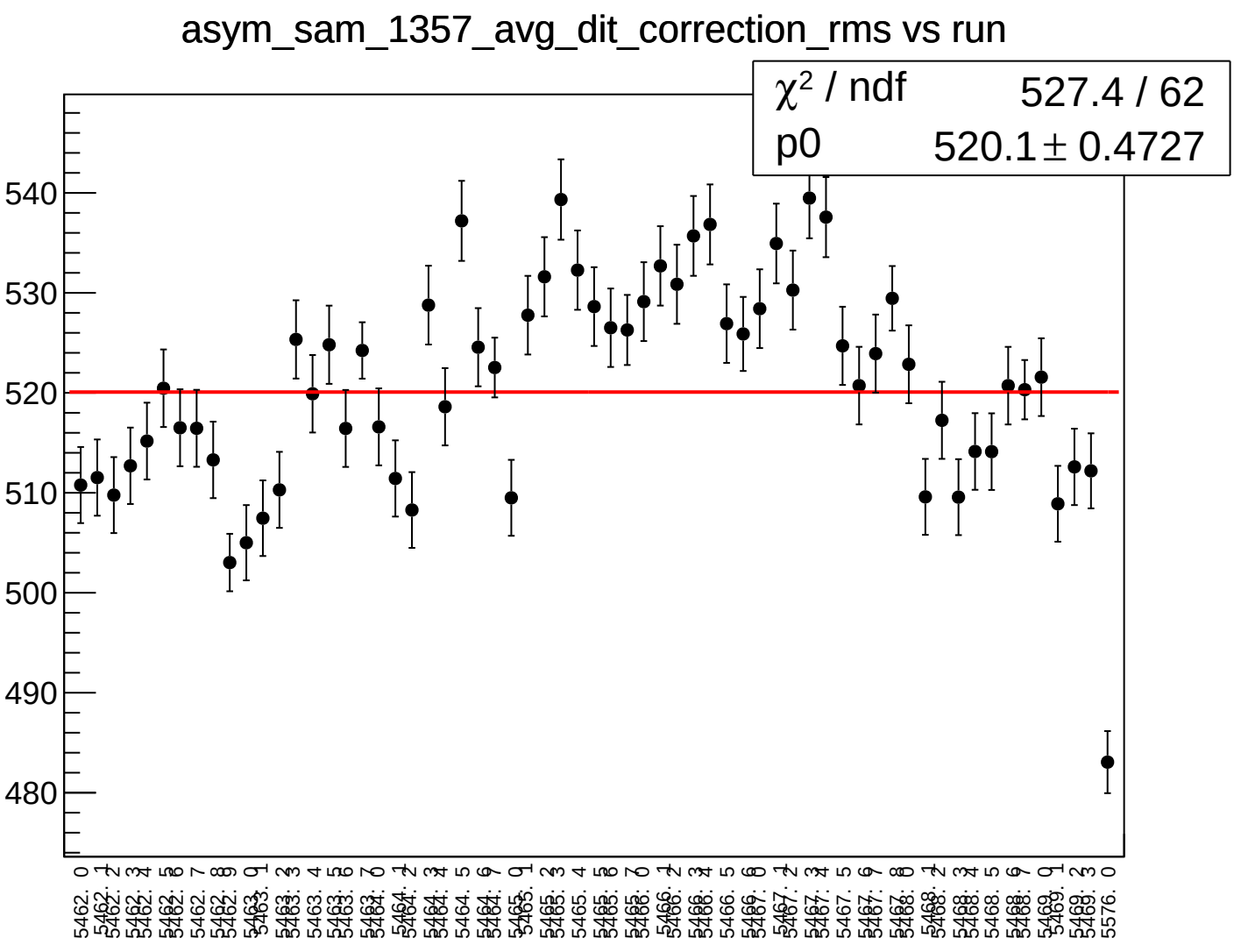

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 43.39 / 62
p0 37.14 ± 158.5
pull
Entries 63
Mean 534.4
Std Dev 0

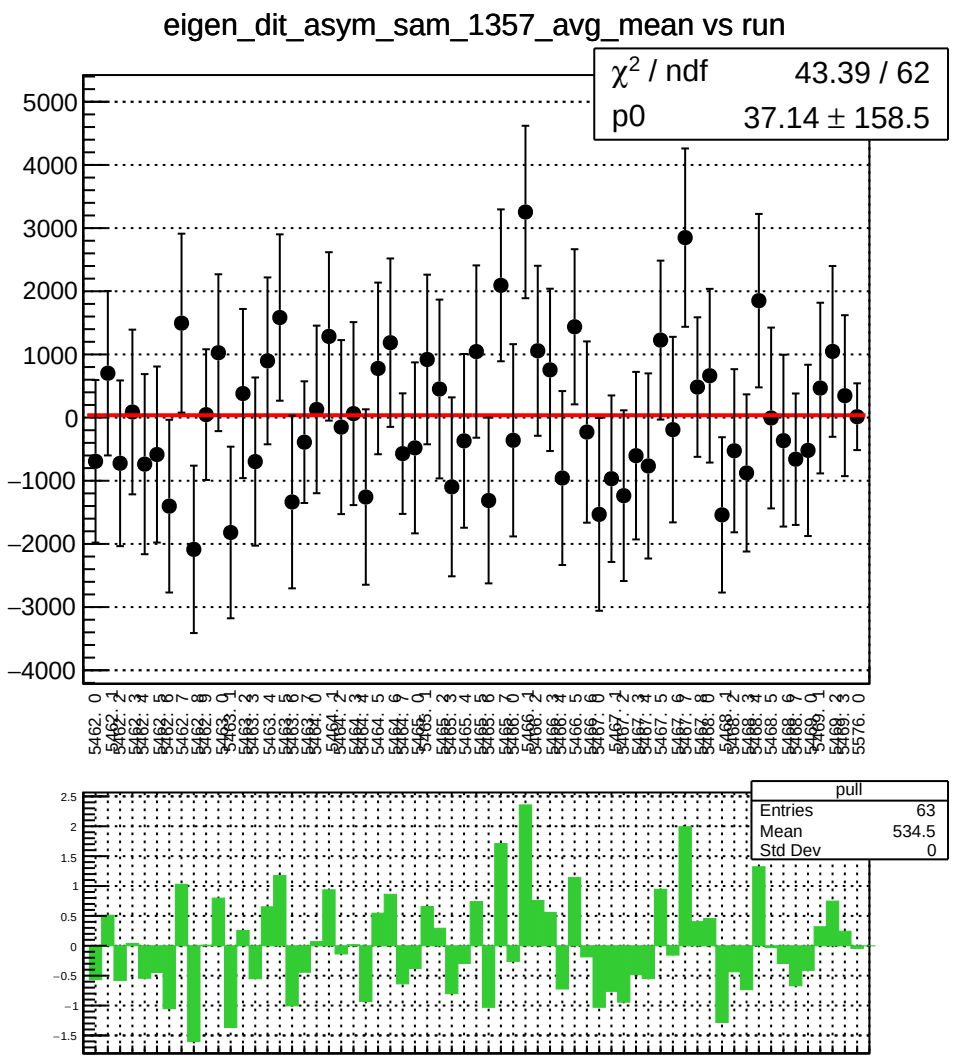

pull1D
Entries 63
Mean 0.003101
Std Dev 0.8299

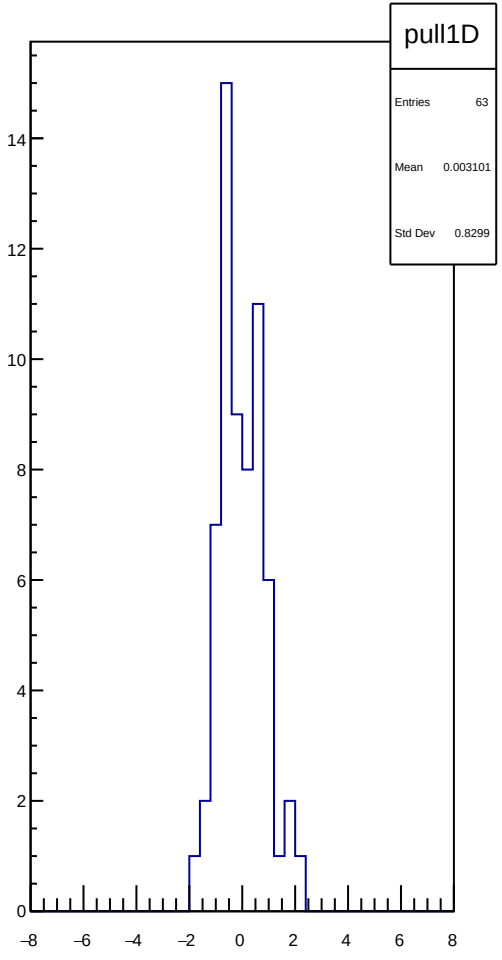

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.422e+04 / 62
p0 121.5 ± 0.112
140
120
100
80
60

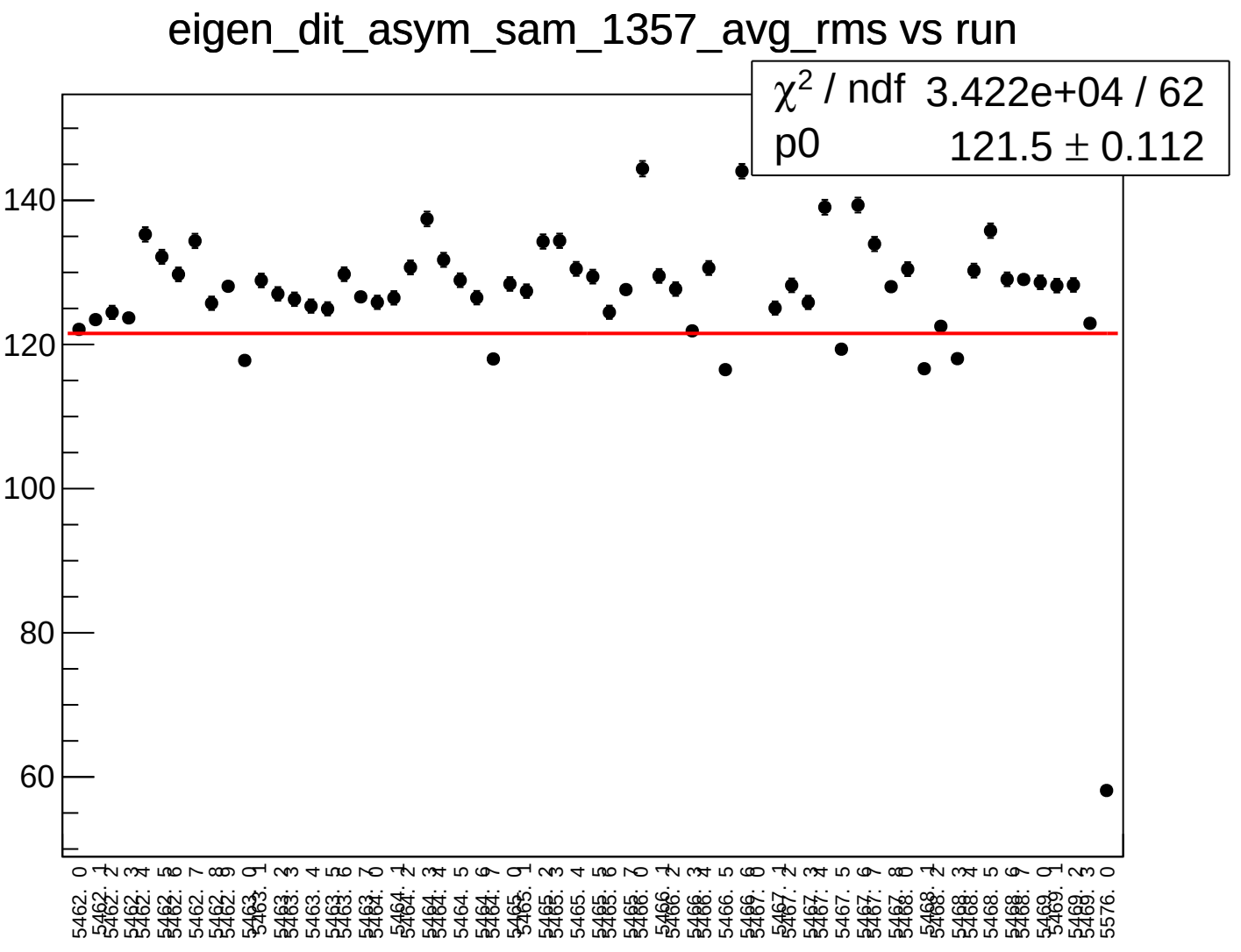

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 67.29 / 62
p0 360.1 ± 668.5
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 29.01
Std Dev 0
3
2
1
0
−1
−2

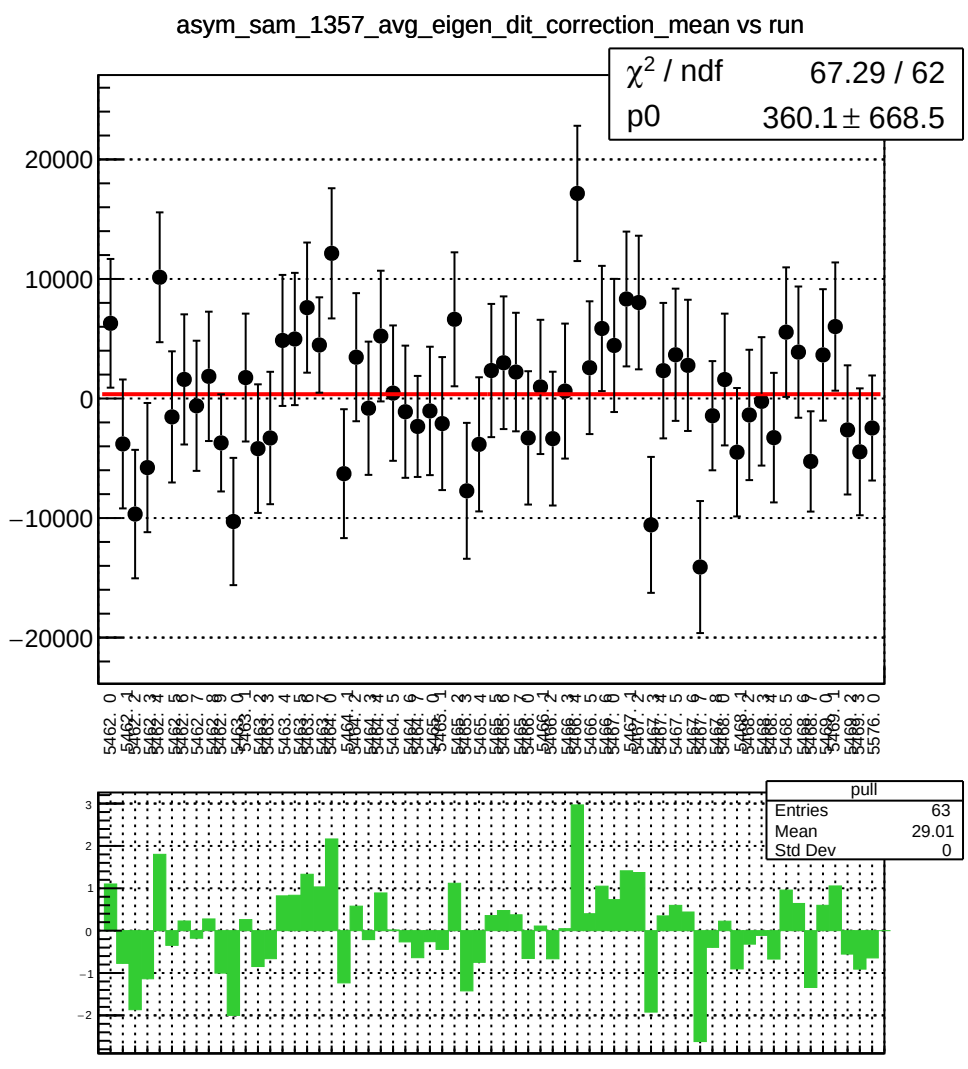

pull1D
Entries 63
Mean 0.01385
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

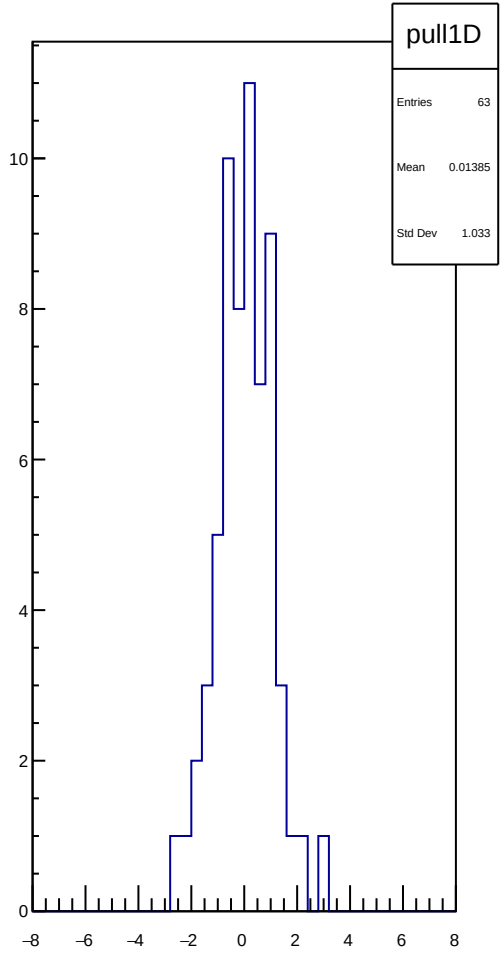

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 527.4 / 62
p0 520.1 ± 0.4727
540
530
520
510
500
490
480

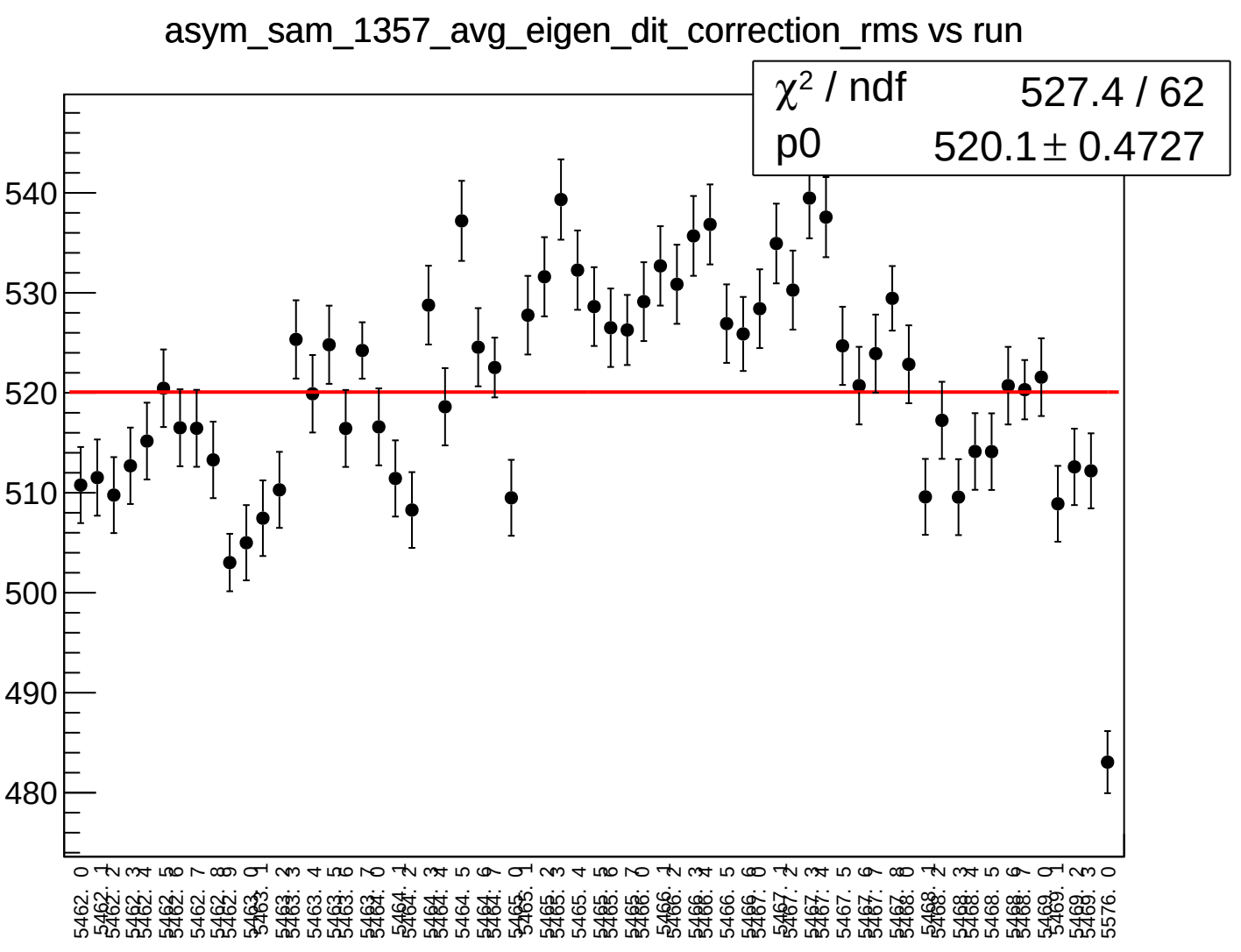

eigen_dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 43.39 / 62
p0 37.14 ± 158.5
pull
Entries 63
Mean 534.5
Std Dev 0

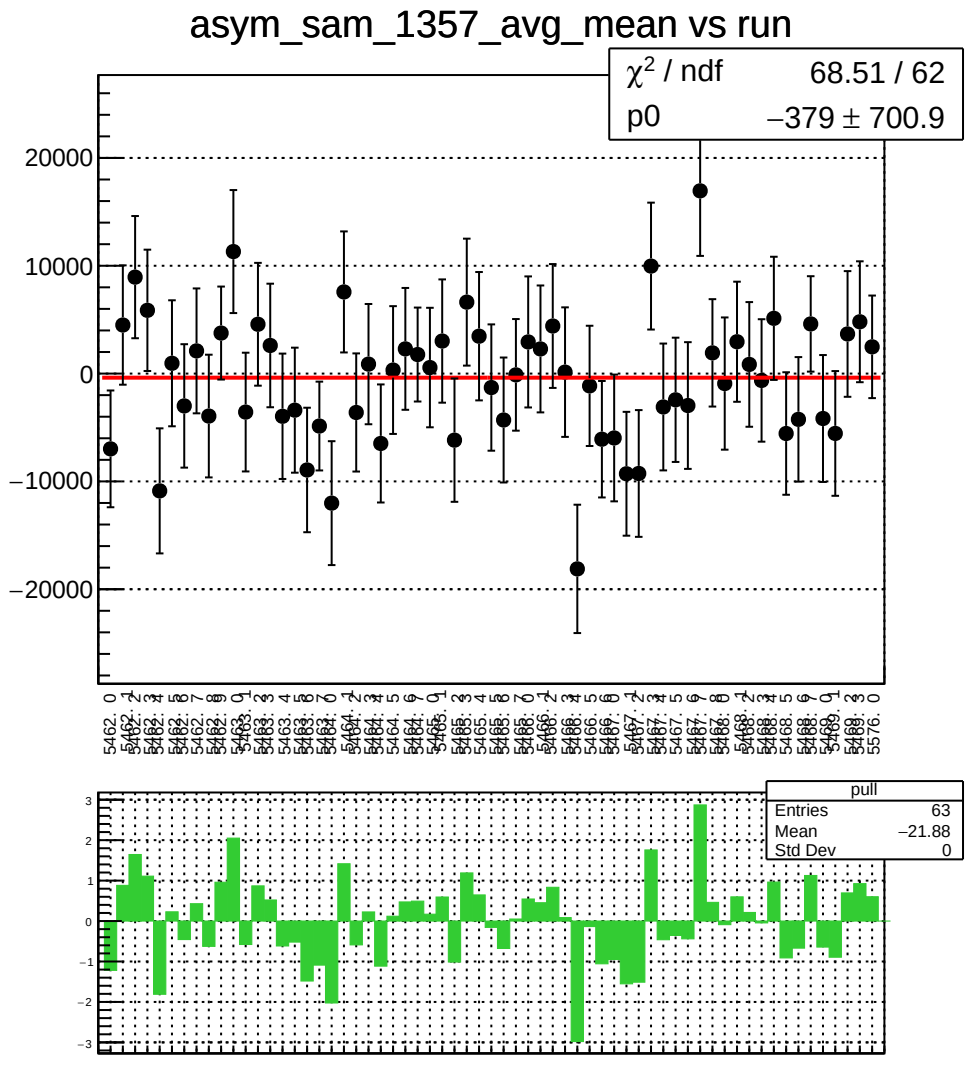

pull1D
Entries 63
Mean 0.003101
Std Dev 0.8299

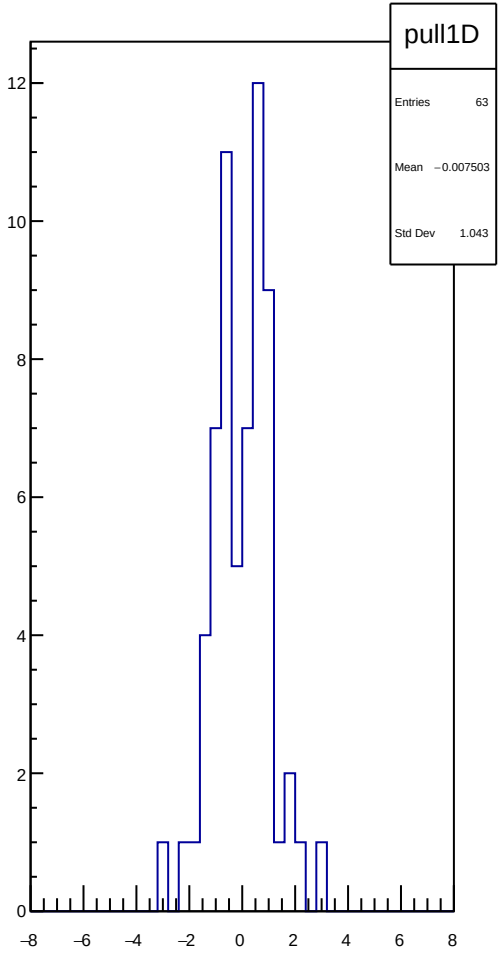

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.422e+04 / 62
p0 121.5 ± 0.112
140
120
100
80
60

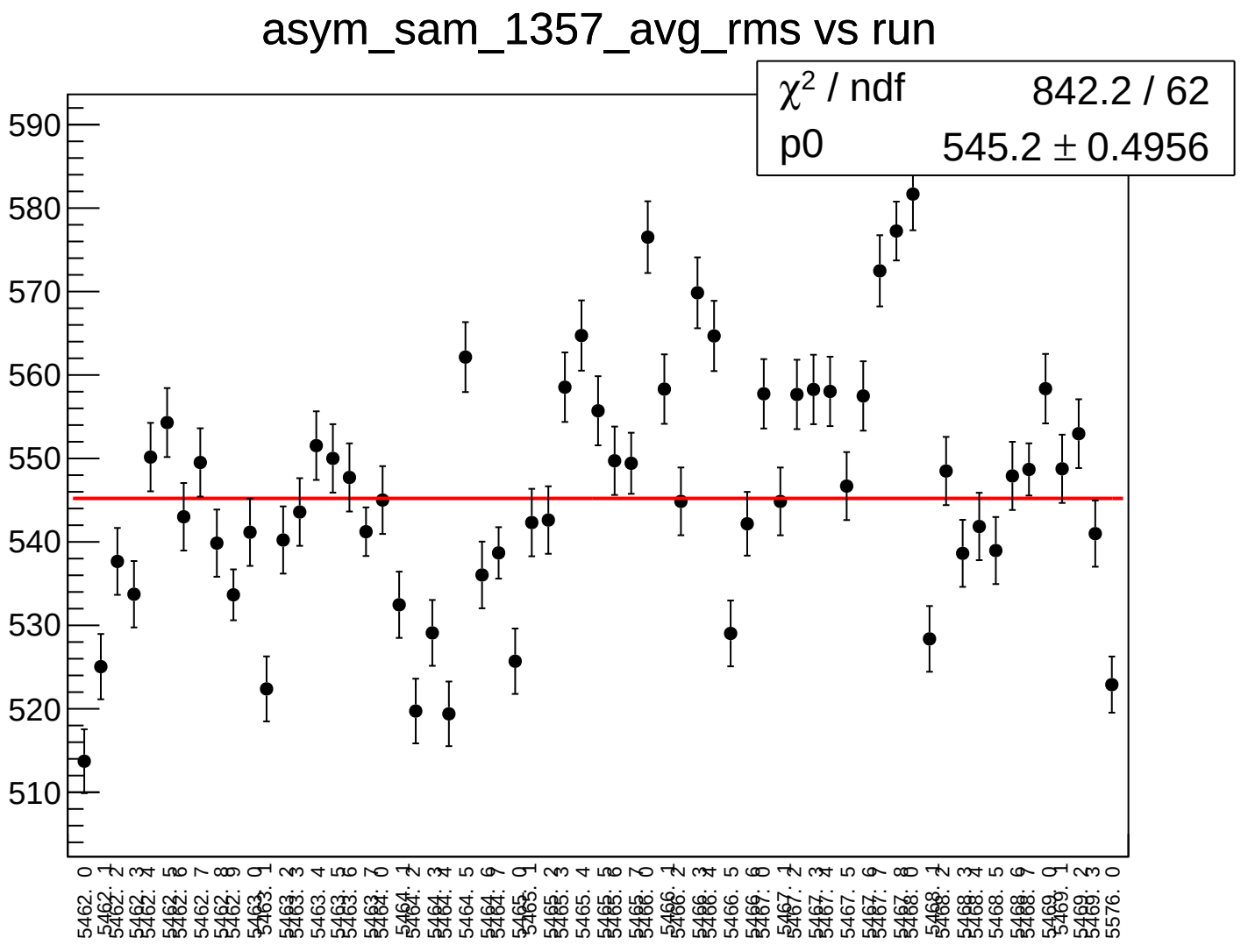

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 67.29 / 62
p0 360.1 ± 668.5
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 29.01
Std Dev 0
3
2
1
0
−1
−2

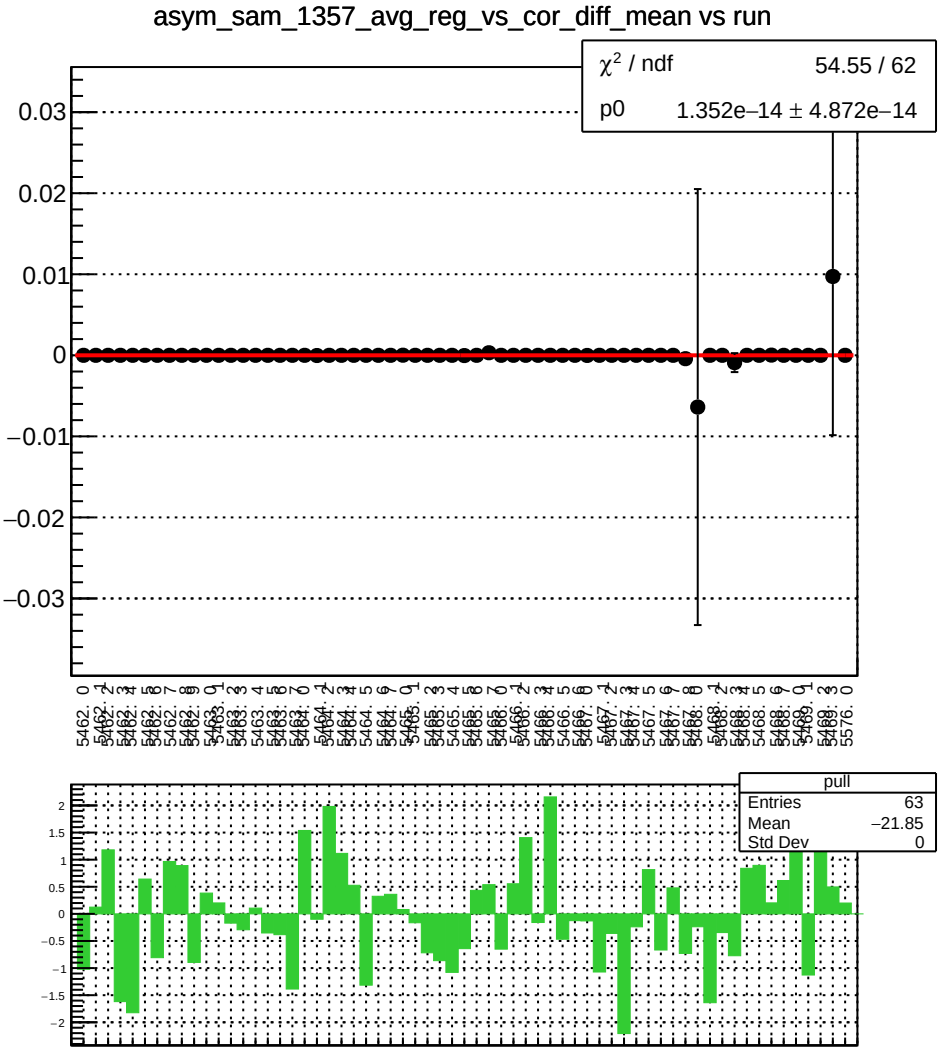

pull1D
Entries 63
Mean 0.01385
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

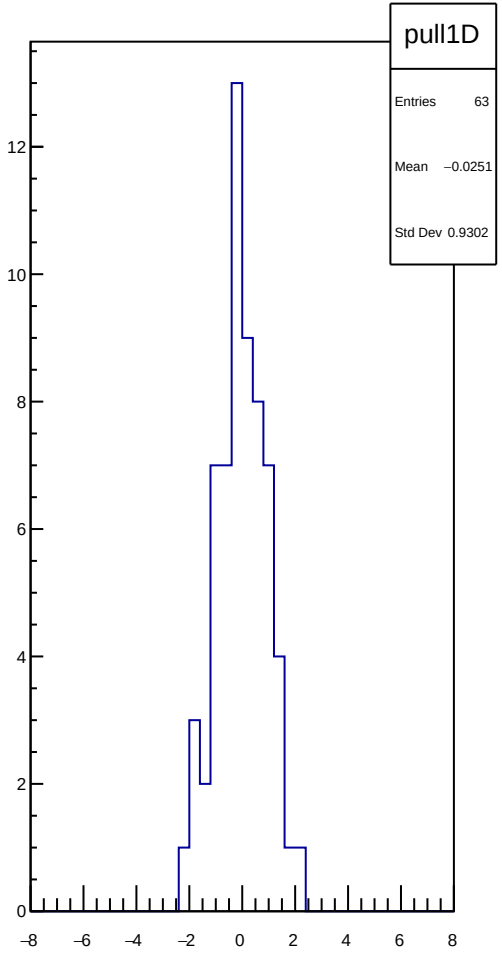

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 527.4 / 62
p0 520.1 ± 0.4727
540
530
520
510
500
490
480
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 0
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5463. 8
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5464. 9
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5466. 8
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

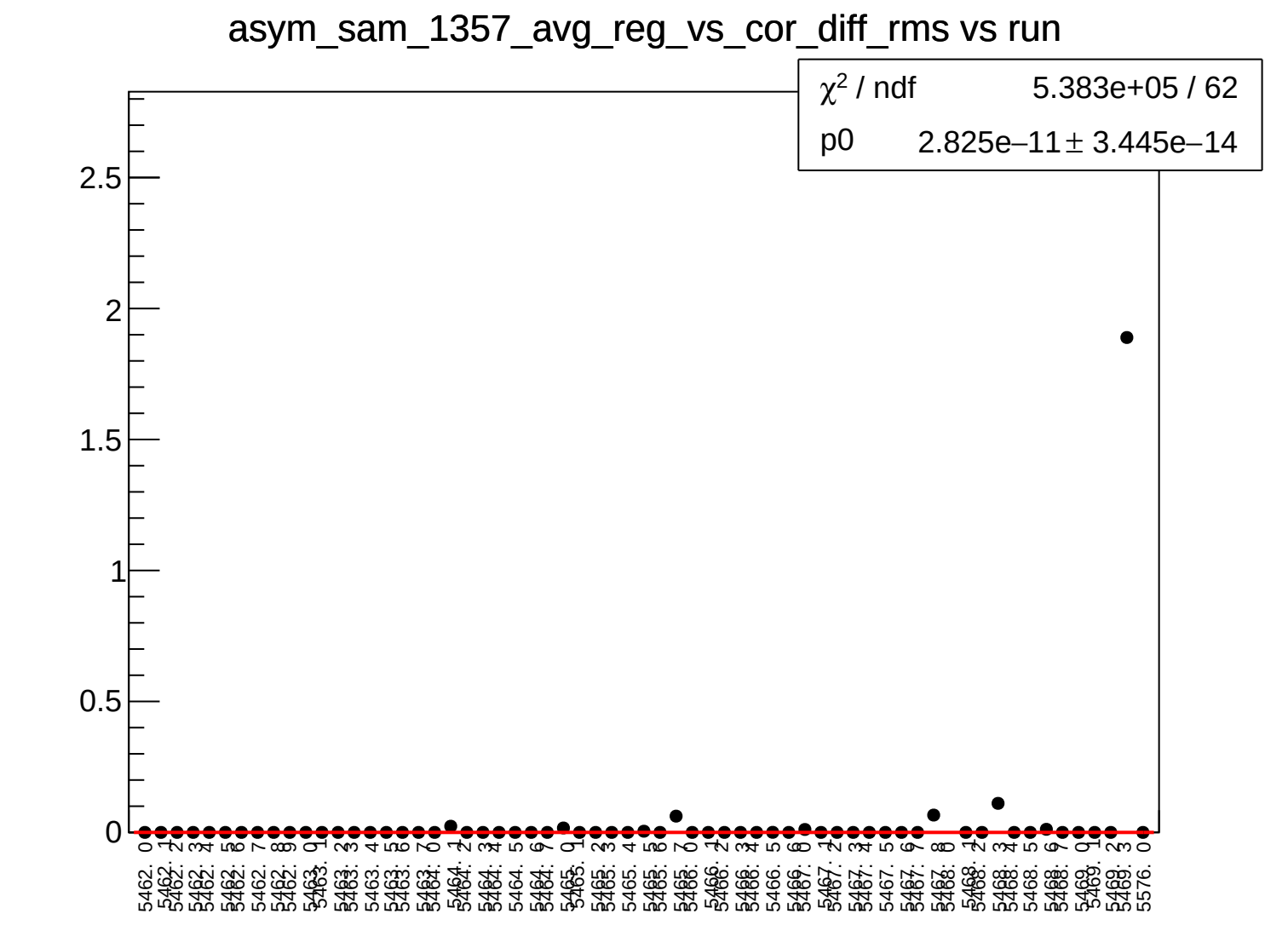

asym_sam_1357_avg_mean vs run
χ² / ndf 68.51 / 62
p0 −379 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 63
Mean −21.88
Std Dev 0
3
2
1
0
−1
−2
−3

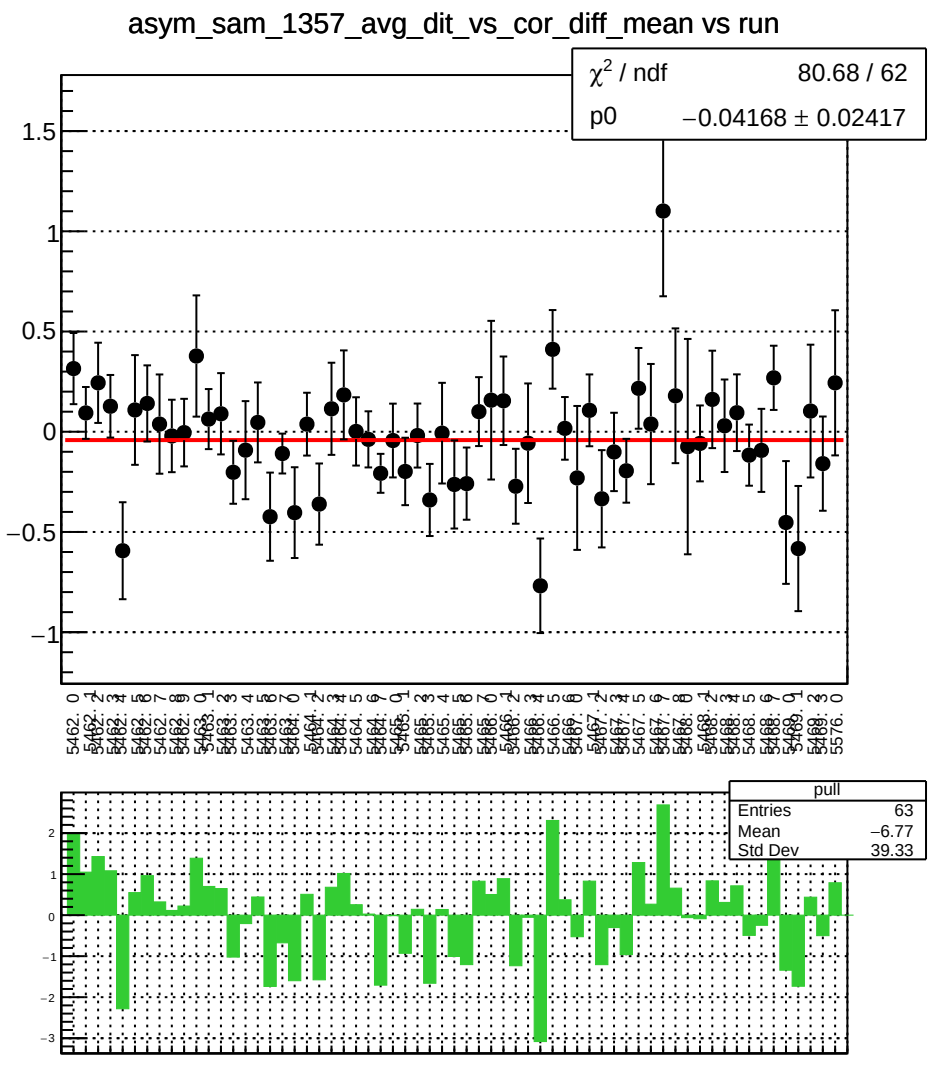

pull1D
Entries 63
Mean −0.007503
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

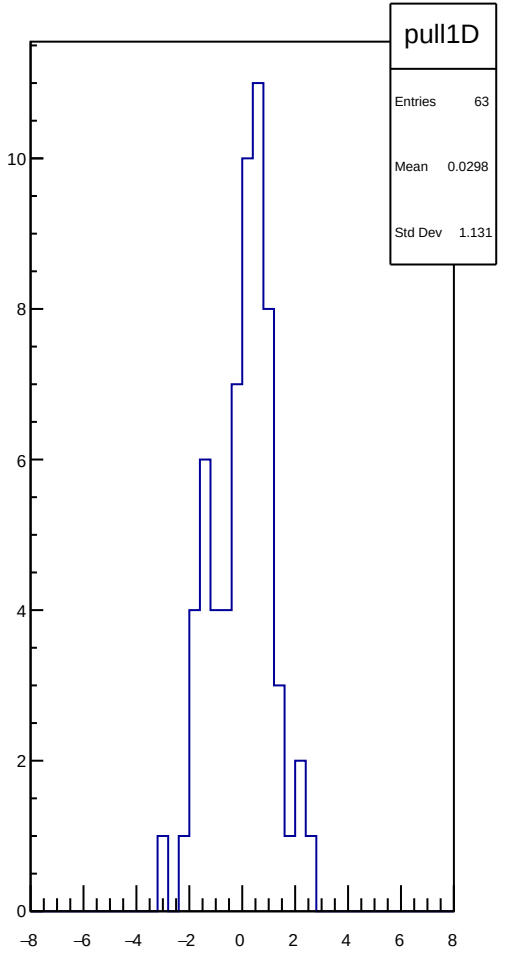

asym_sam_1357_avg_rms vs run
χ² / ndf 842.2 / 62
p0 545.2 ± 0.4956
590
580
570
560
550
540
530
520
510

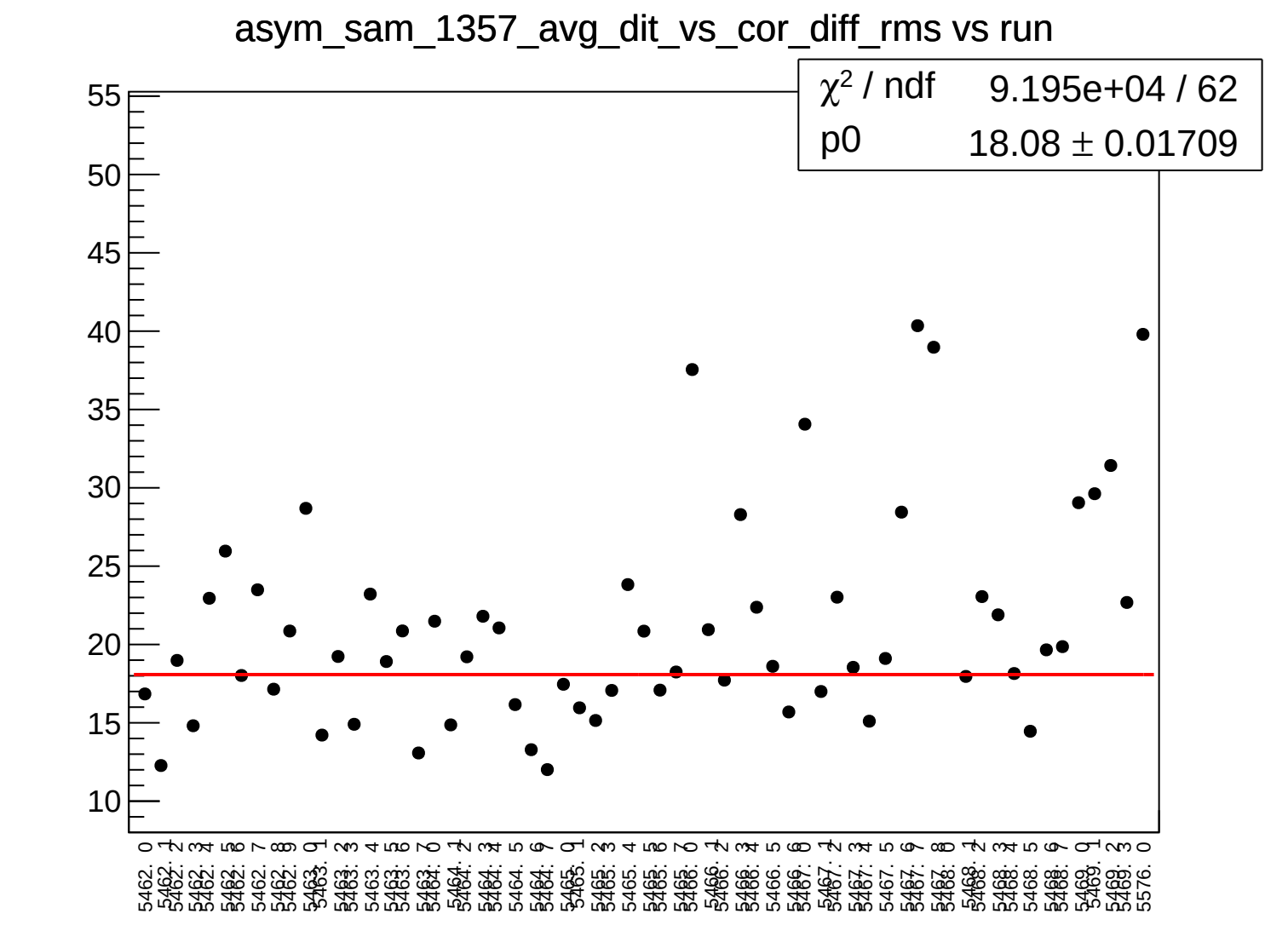

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.55 / 62
p0 1.352e−14 ± 4.872e−14
pull
Entries 63
Mean −21.85
Std Dev 0

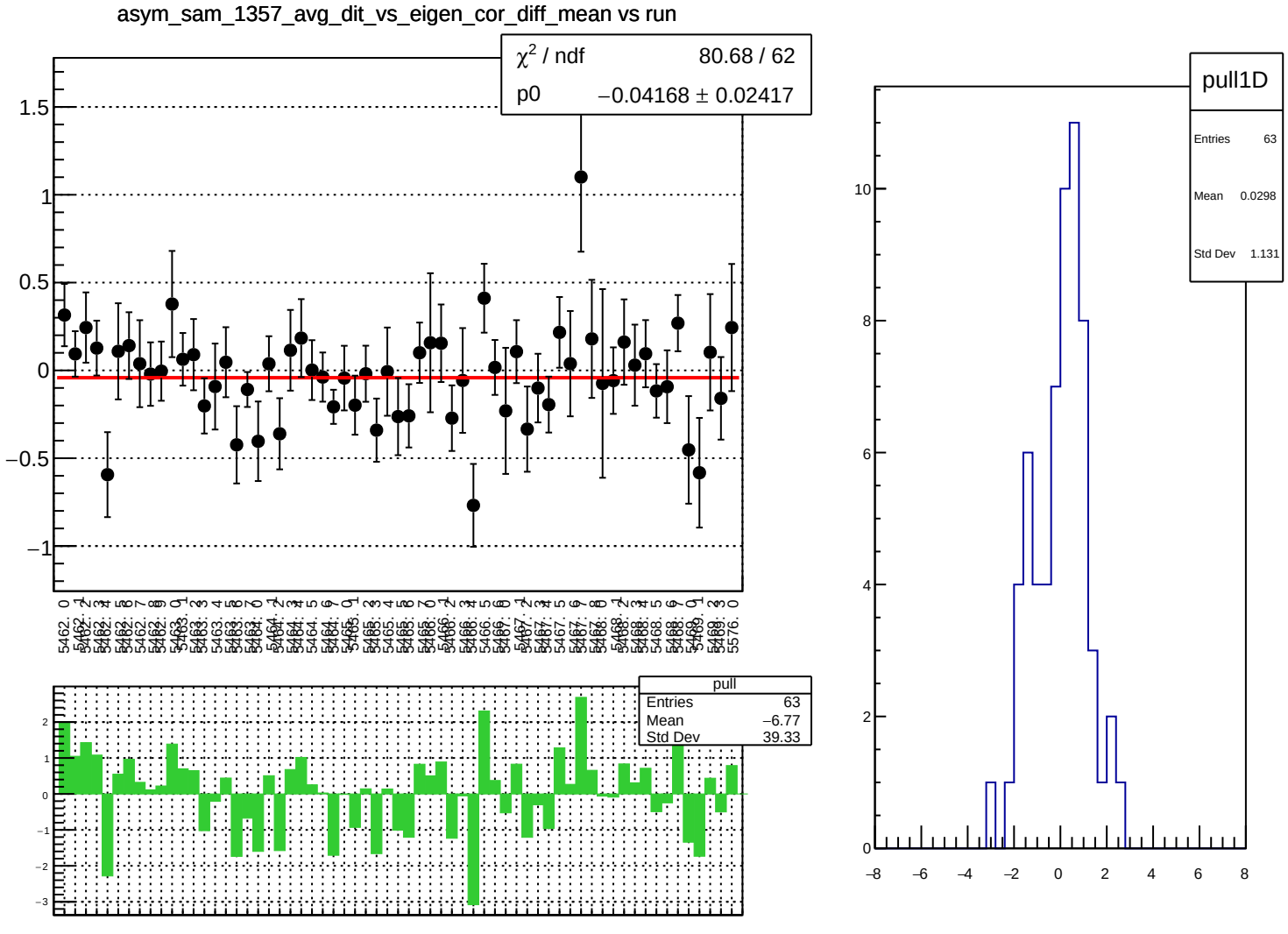

pull1D
Entries 63
Mean −0.0251
Std Dev 0.9302

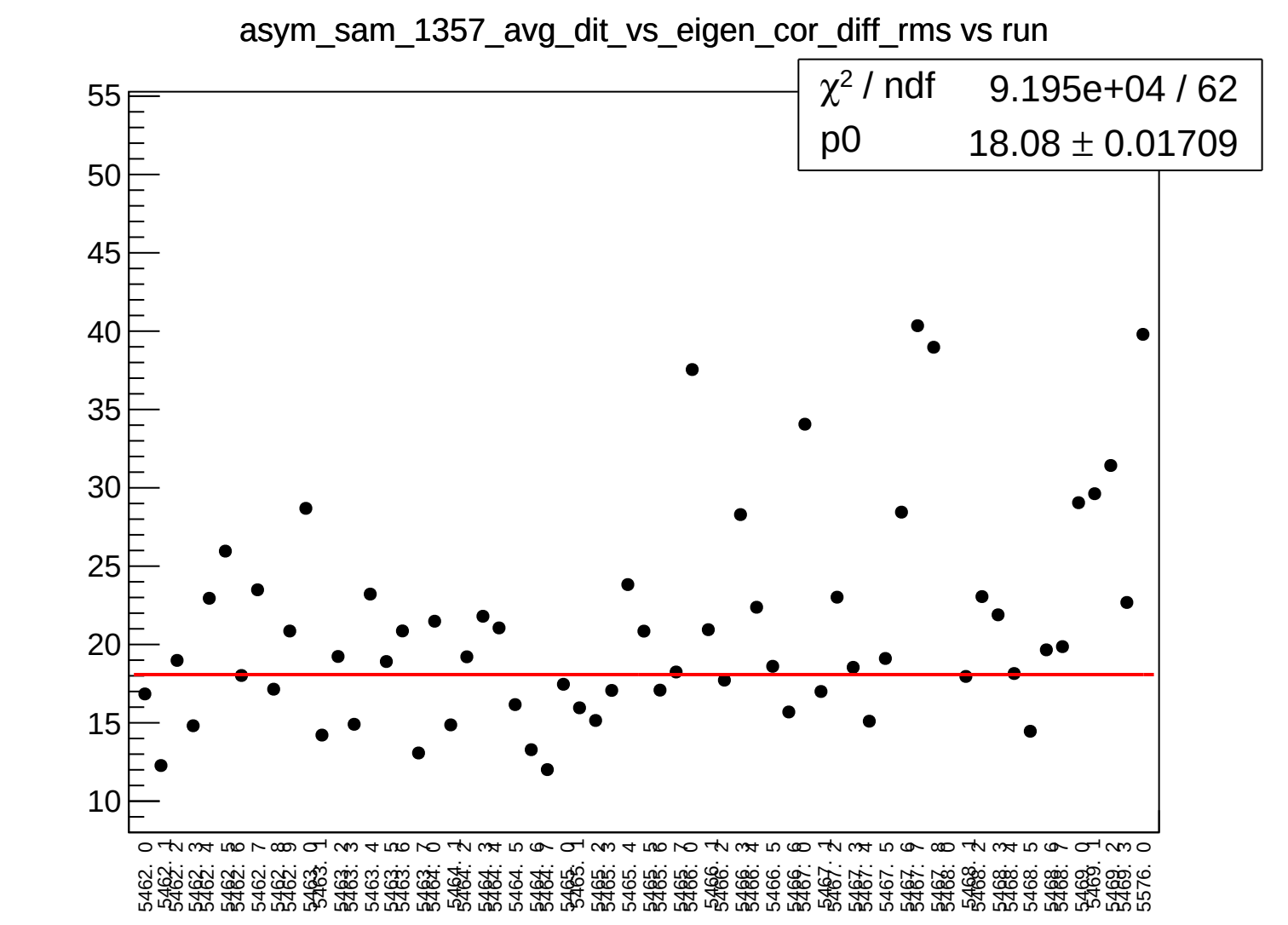

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.383e+05 / 62
p0 2.825e−11 ± 3.445e−14
2.5
2
1.5
1
0.5
0

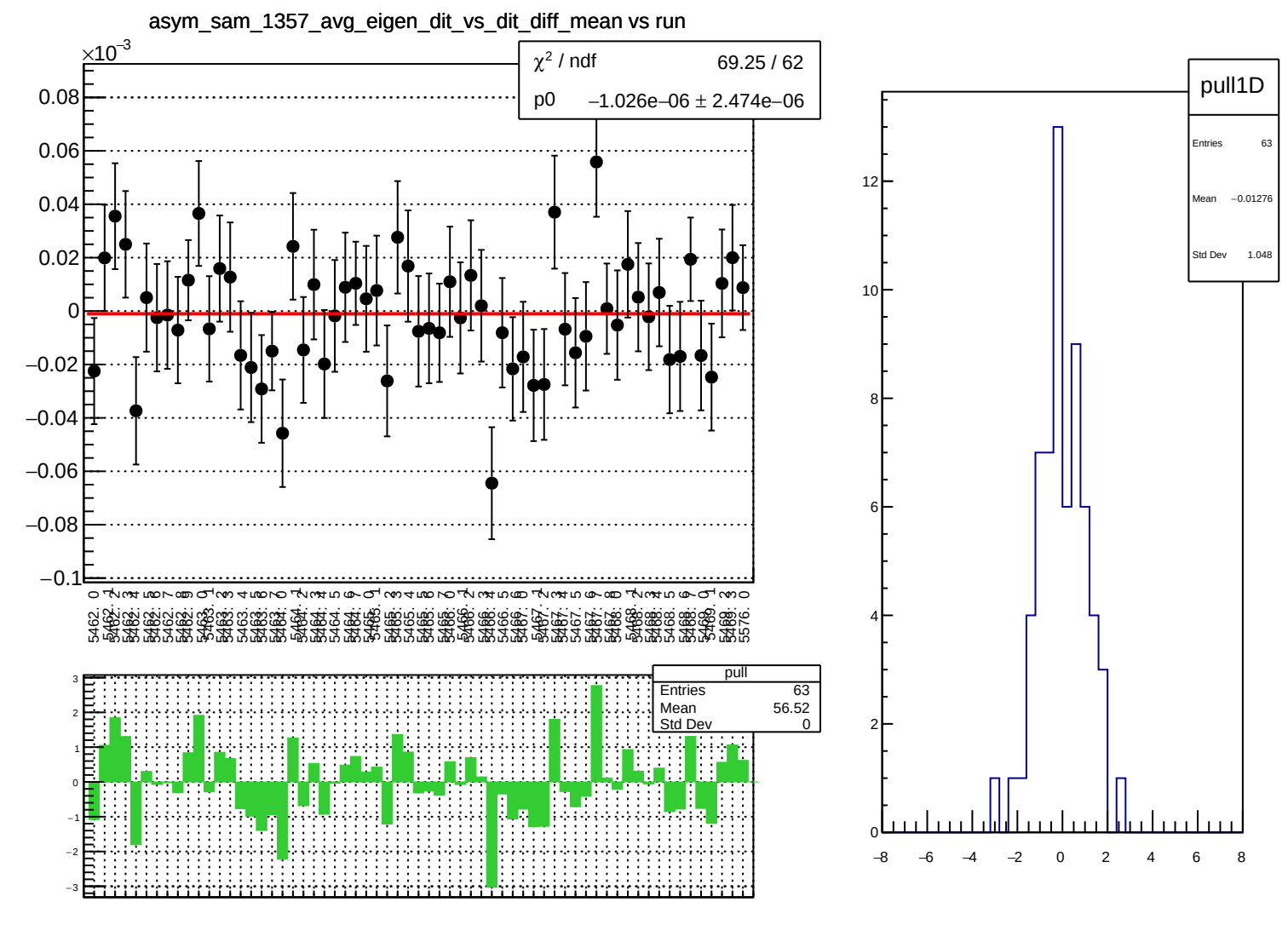

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.68 / 62
p0 −0.04168 ± 0.02417
pull
Entries 63
Mean −6.77
Std Dev 39.33

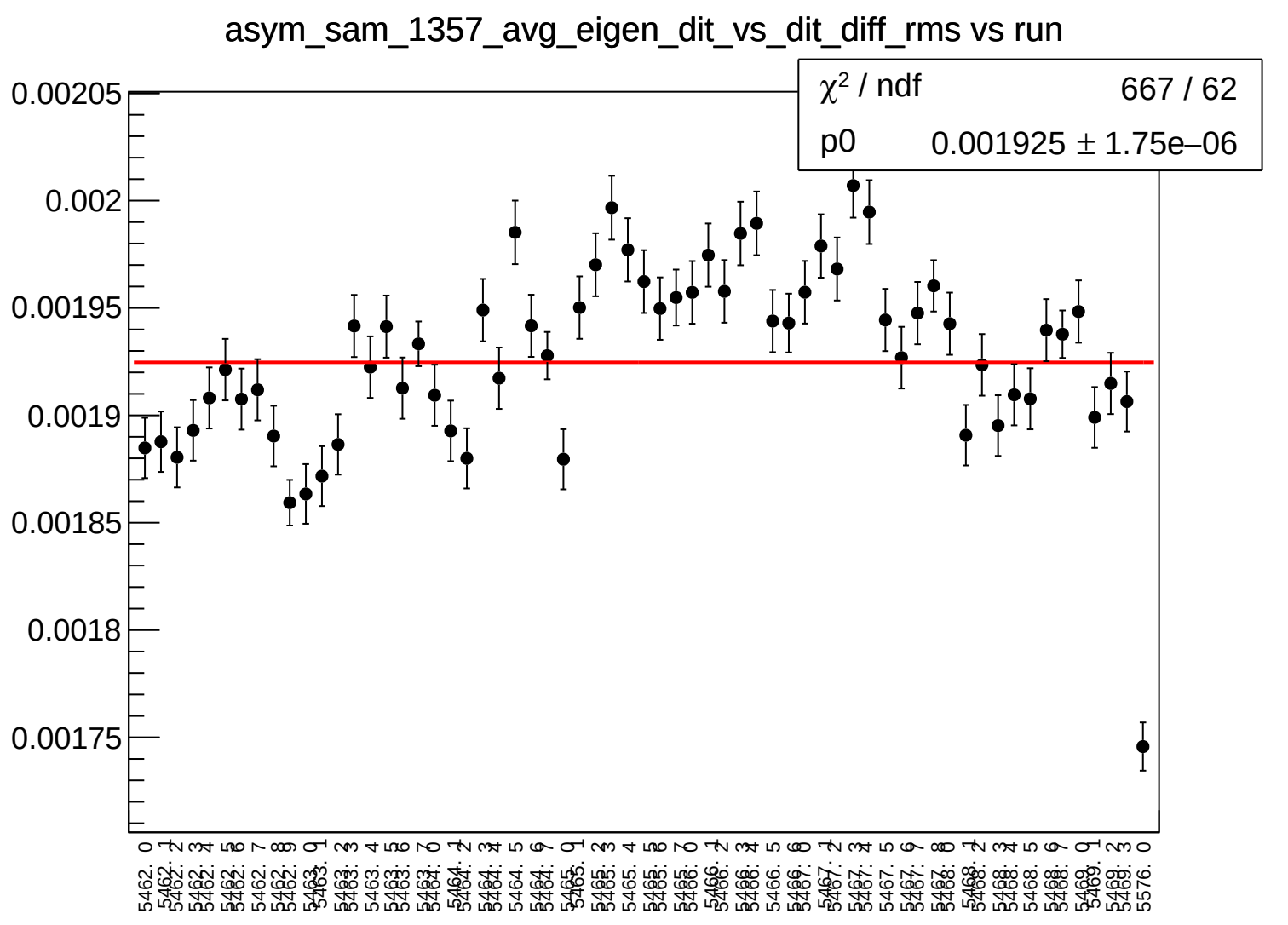

pull1D
Entries 63
Mean 0.0298
Std Dev 1.131

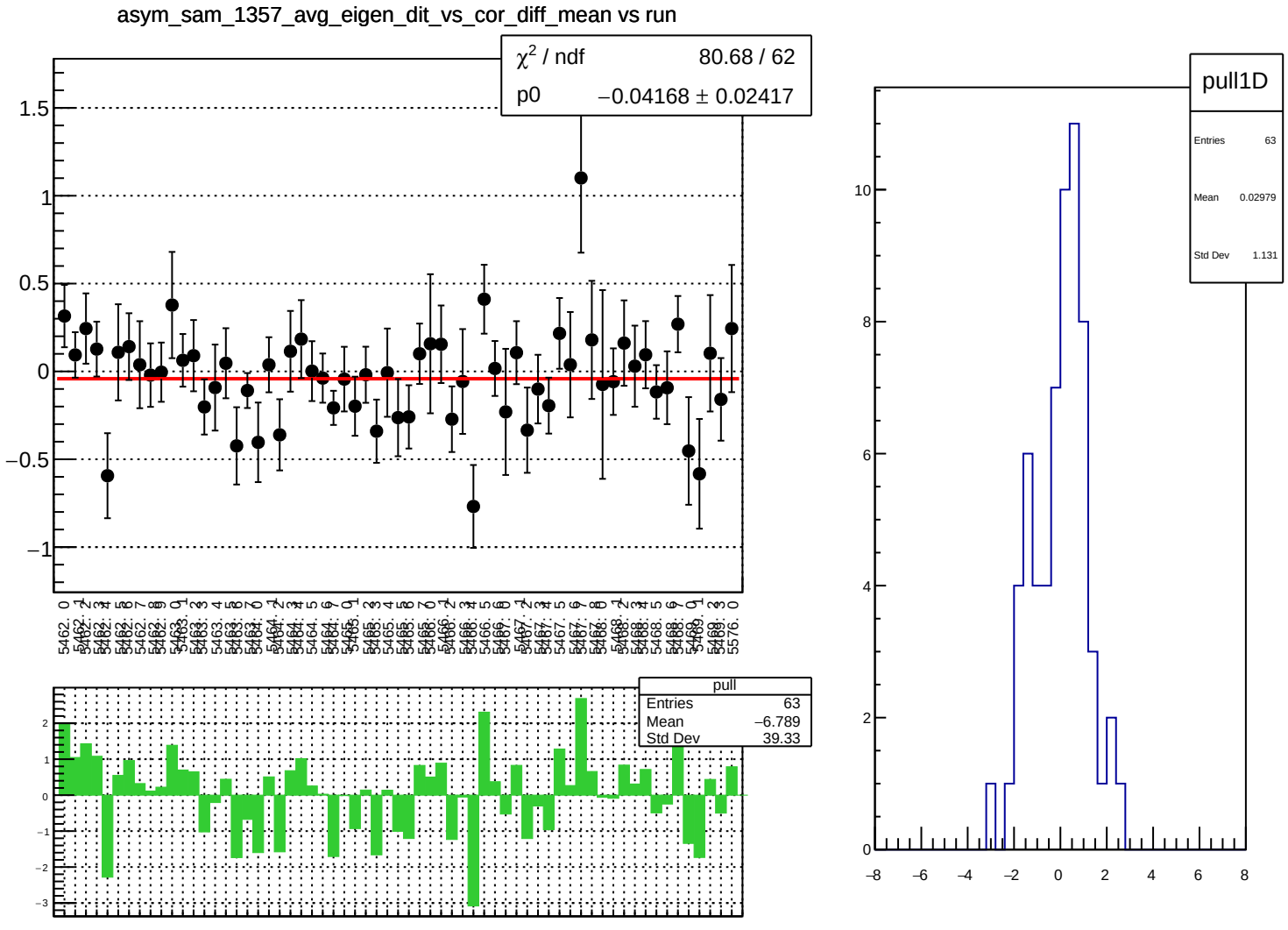

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.195e+04 / 62
p0 18.08 ± 0.01709
55
50
45
40
35
30
25
20
15
10

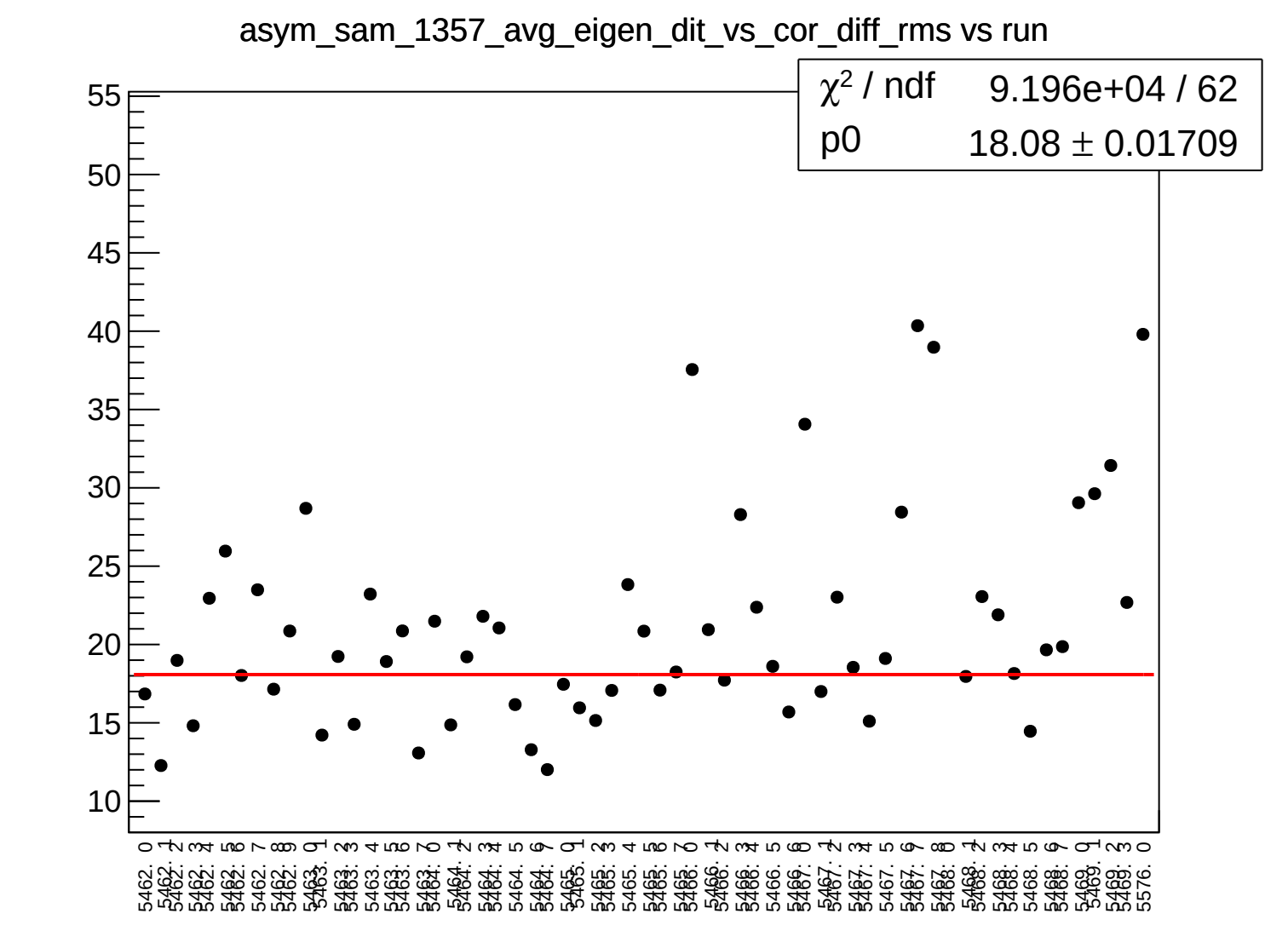

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.68 / 62
p0 −0.04168 ± 0.02417
pull
Entries 63
Mean −6.77
Std Dev 39.33
pull1D
Entries 63
Mean 0.0298
Std Dev 1.131

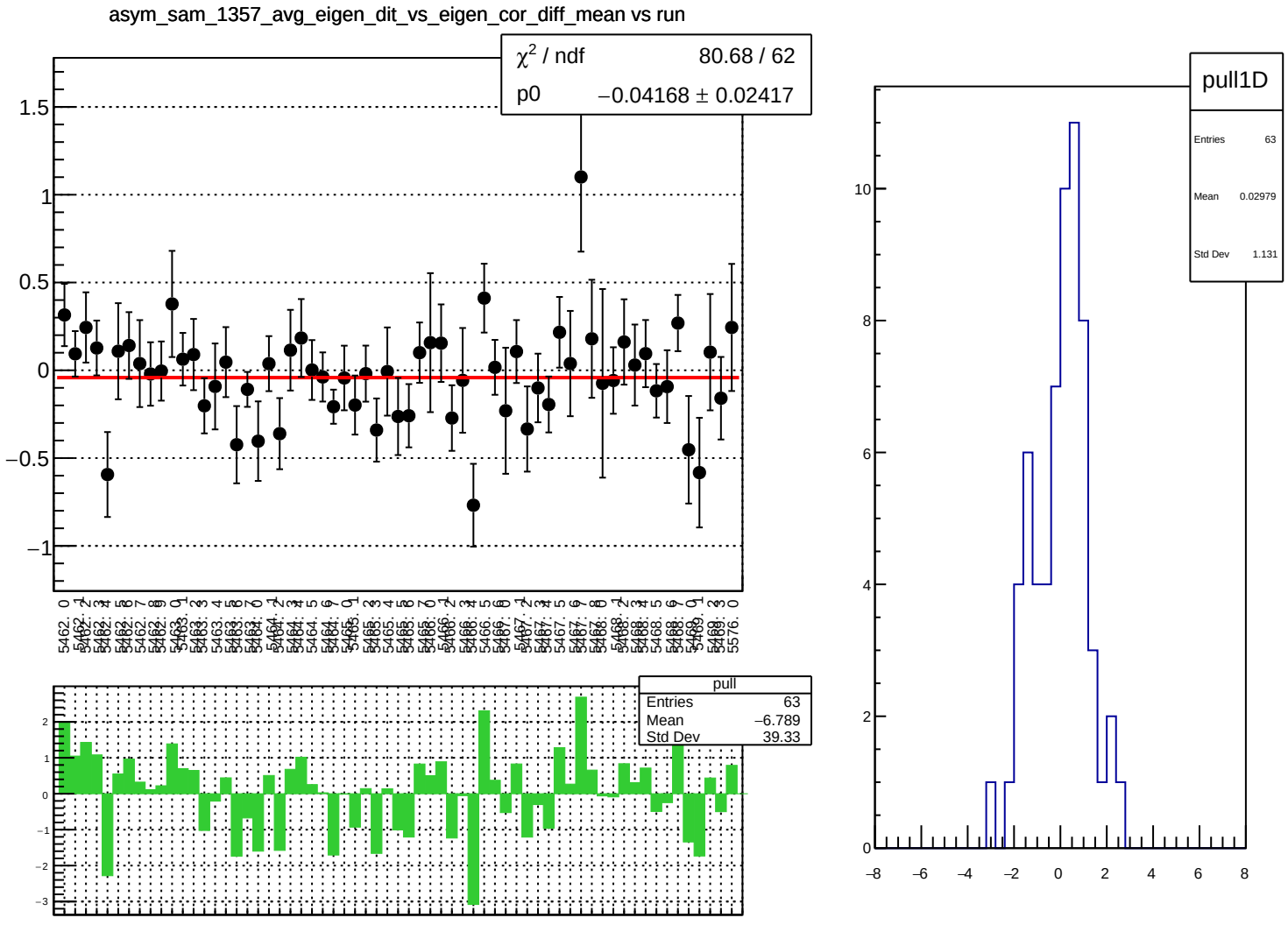

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.195e+04 / 62
p0 18.08 ± 0.01709
55
50
45
40
35
30
25
20
15
10

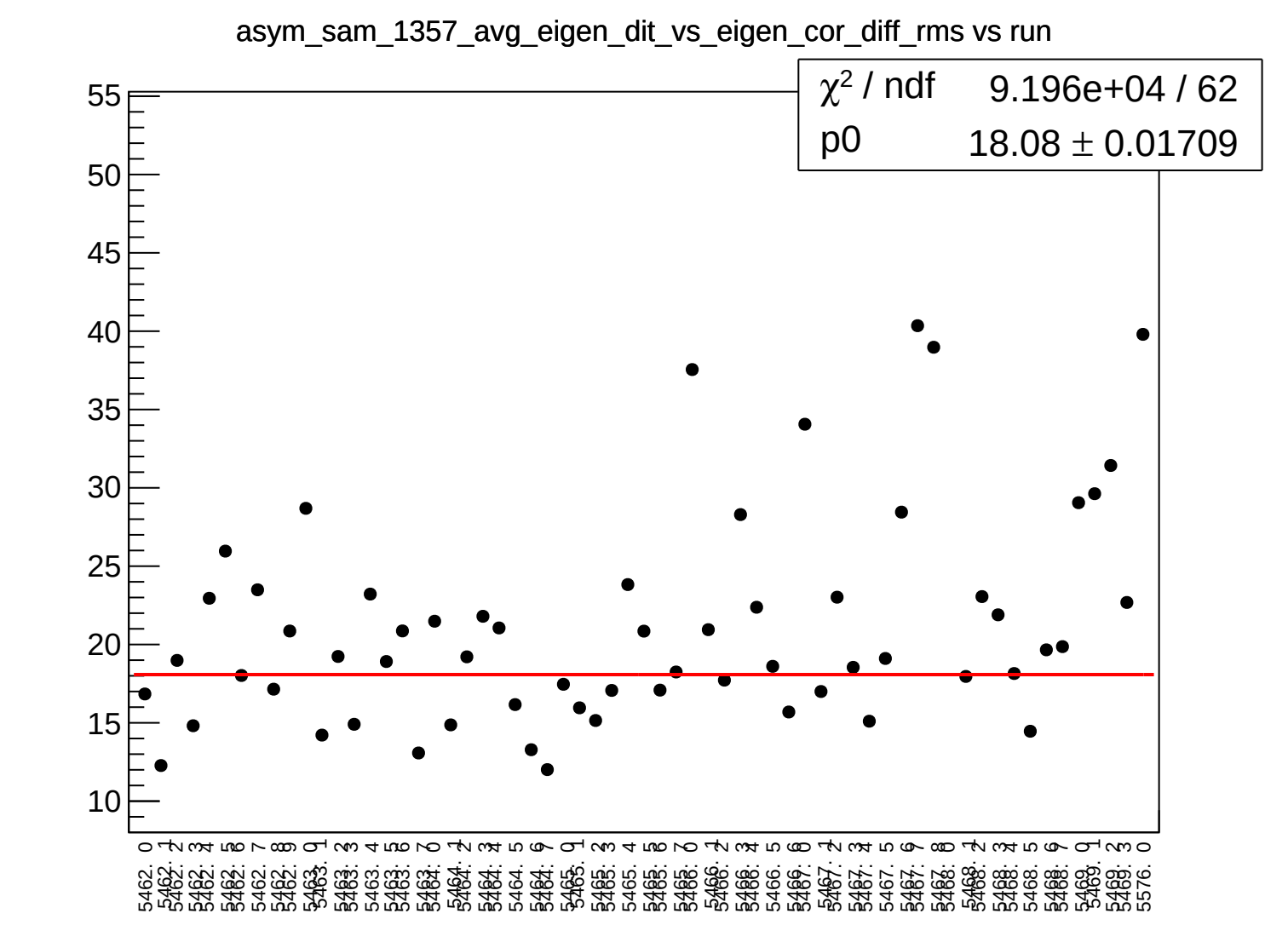

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.25 / 62
p0 −1.026e−06 ± 2.474e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 63
Mean 56.52
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 63
Mean −0.01276
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

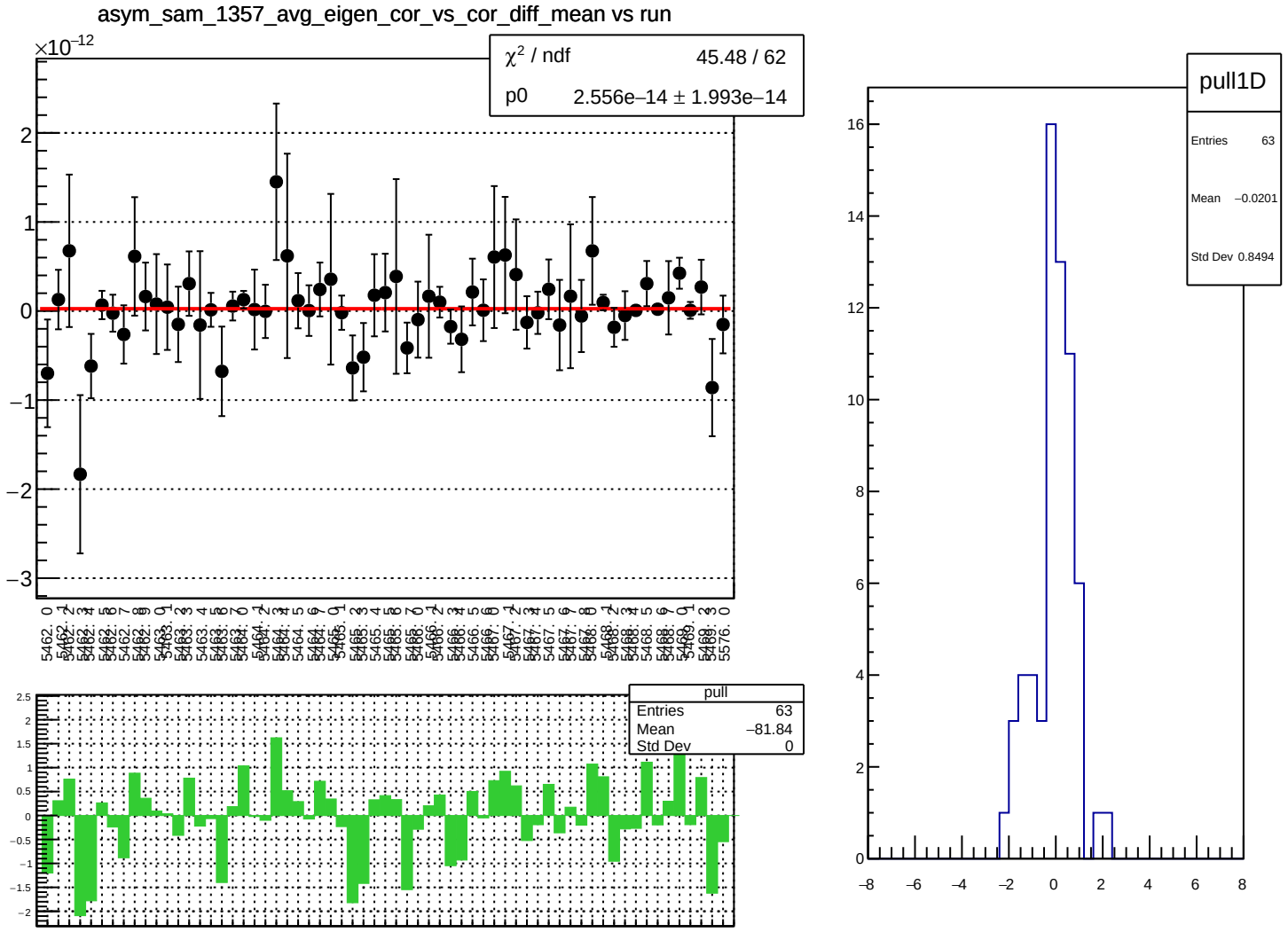

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 667 / 62
p0 0.001925 ± 1.75e−06
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175

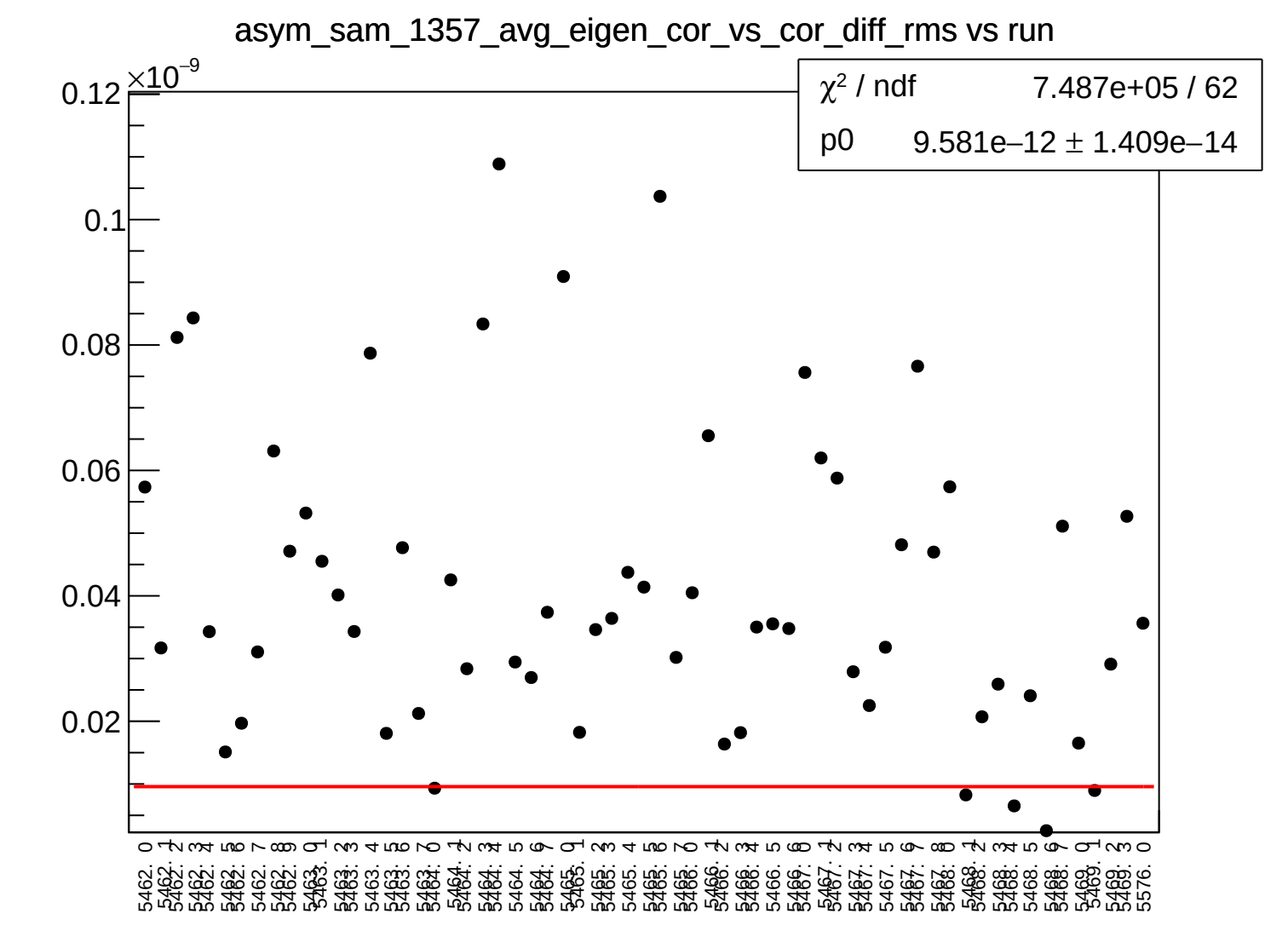

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.68 / 62
p0 −0.04168 ± 0.02417
pull
Entries 63
Mean −6.789
Std Dev 39.33
pull1D
Entries 63
Mean 0.02979
Std Dev 1.131

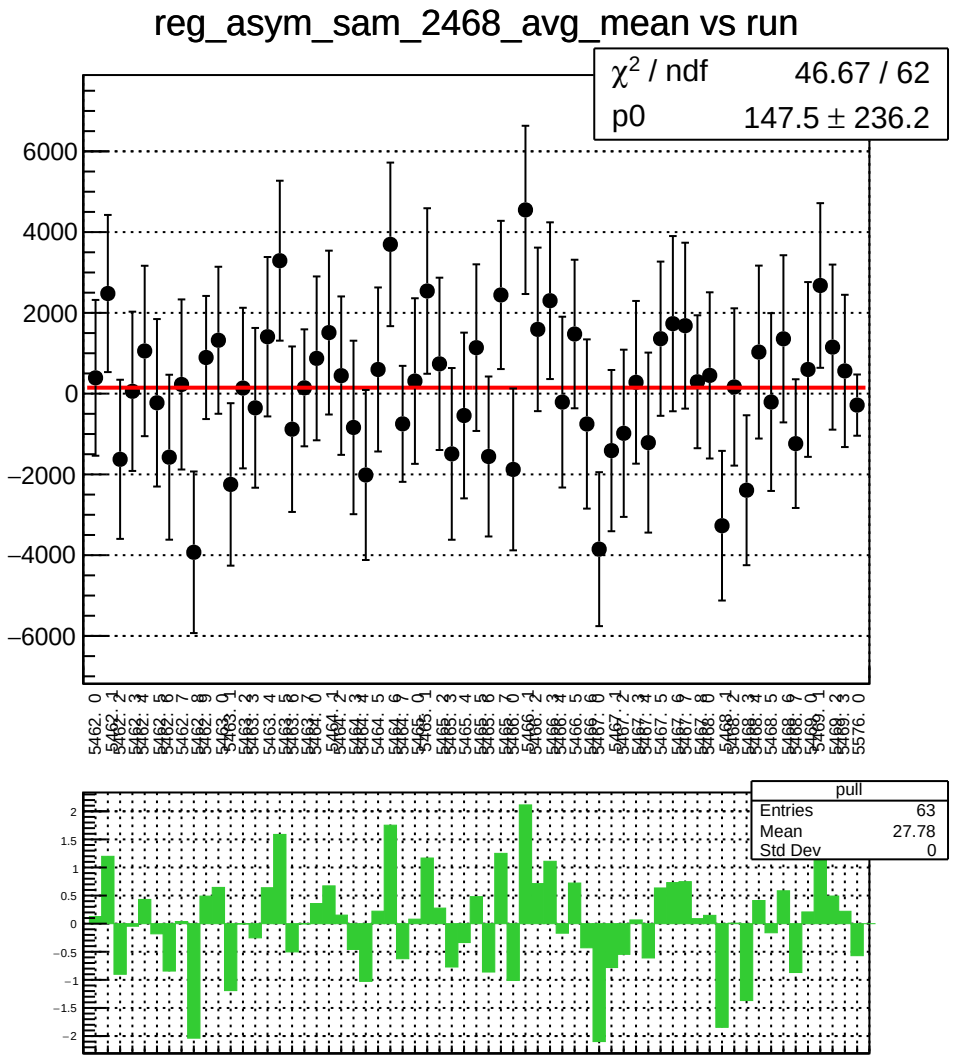

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.196e+04 / 62
p0 18.08 ± 0.01709
55
50
45
40
35
30
25
20
15
10

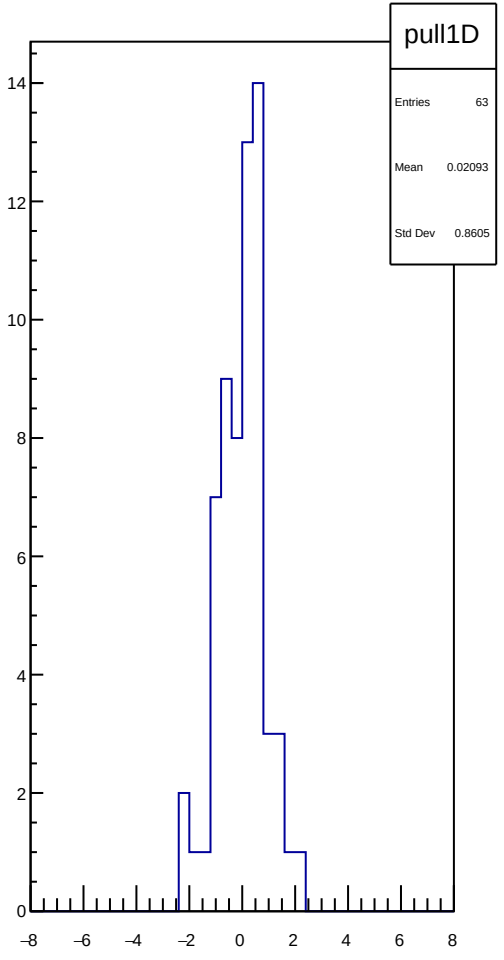

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.68 / 62
p0 −0.04168 ± 0.02417
pull
Entries 63
Mean −6.789
Std Dev 39.33
pull1D
Entries 63
Mean 0.02979
Std Dev 1.131

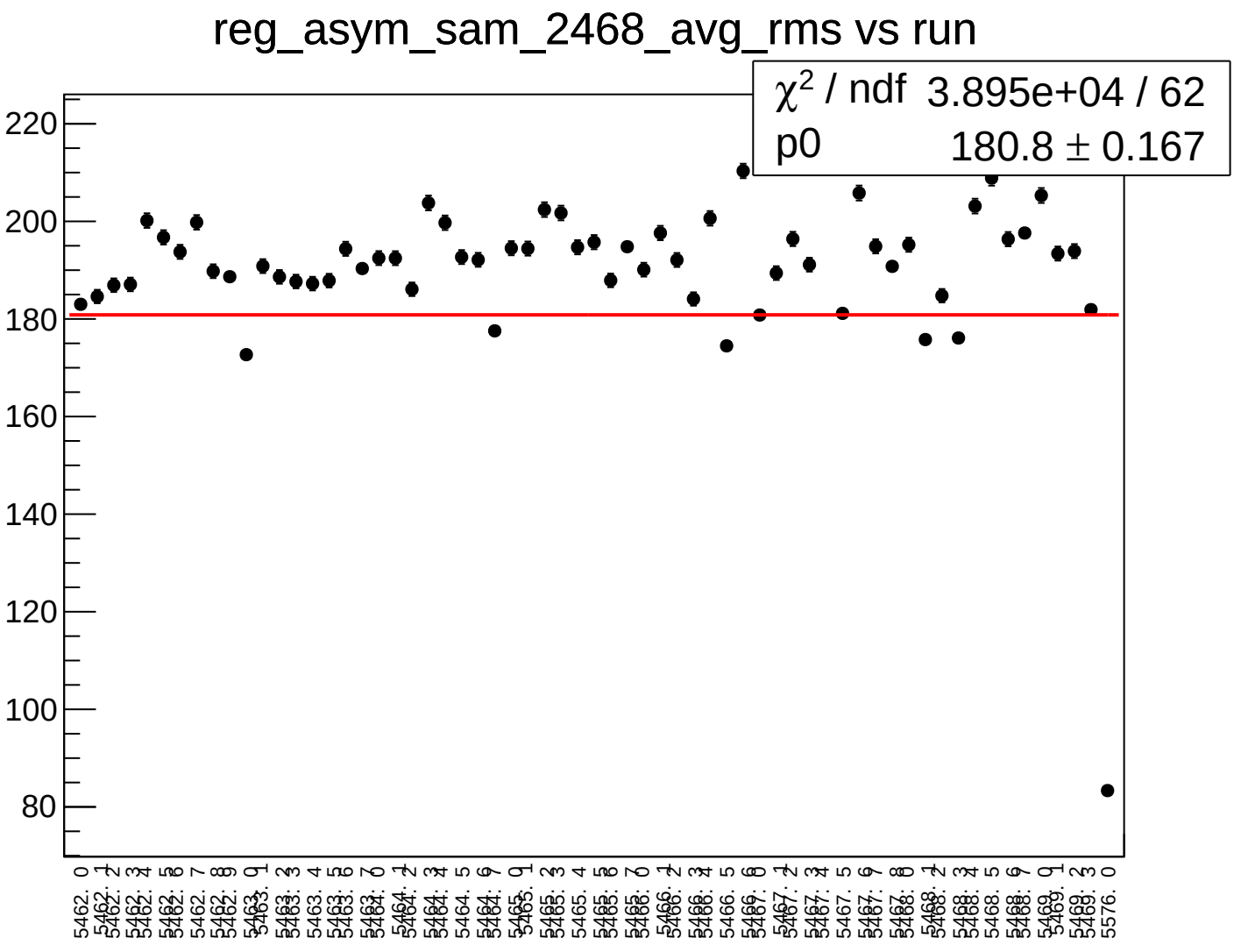

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.196e+04 / 62
p0 18.08 ± 0.01709
55
50
45
40
35
30
25
20
15
10
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 0
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 0
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

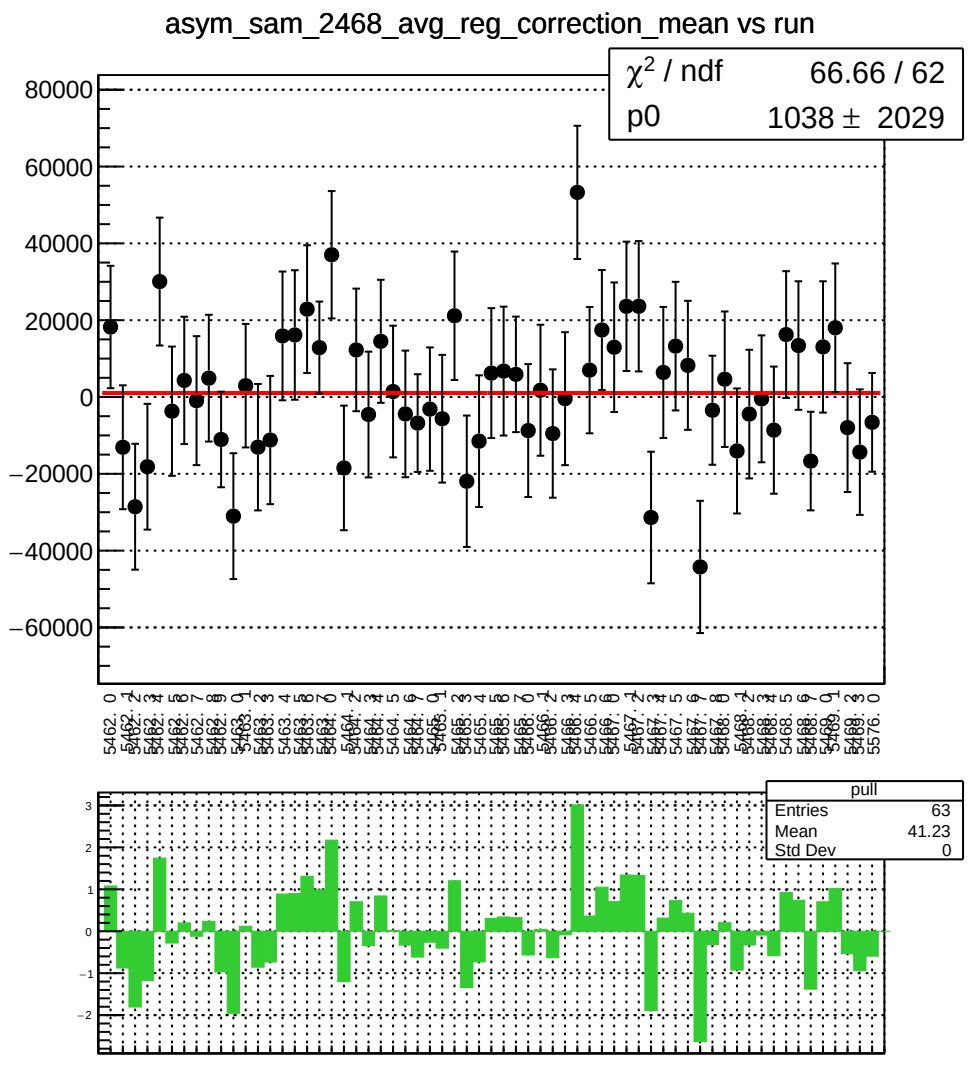

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.48 / 62
p0 2.556e−14 ± 1.993e−14
pull
Entries 63
Mean −81.84
Std Dev 0
pull1D
Entries 63
Mean −0.0201
Std Dev 0.8494

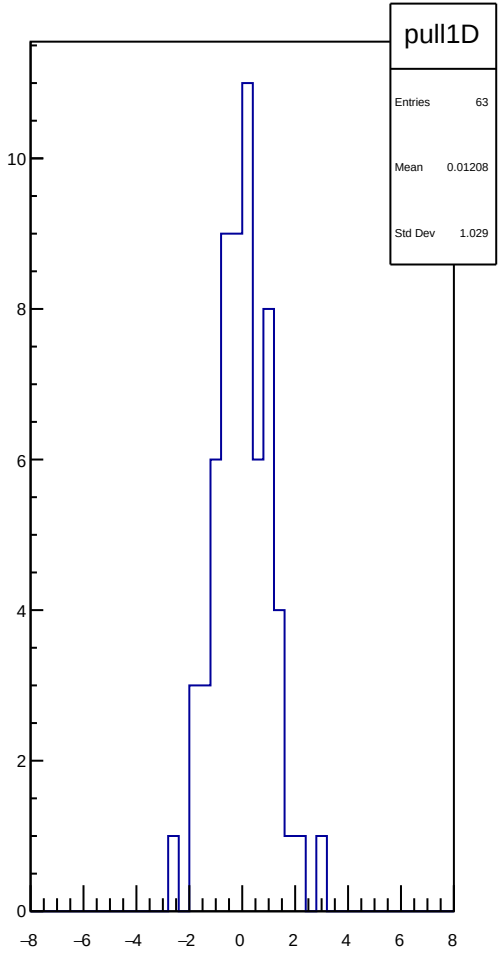

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 7.487e+05 / 62
p0 9.581e−12 ± 1.409e−14

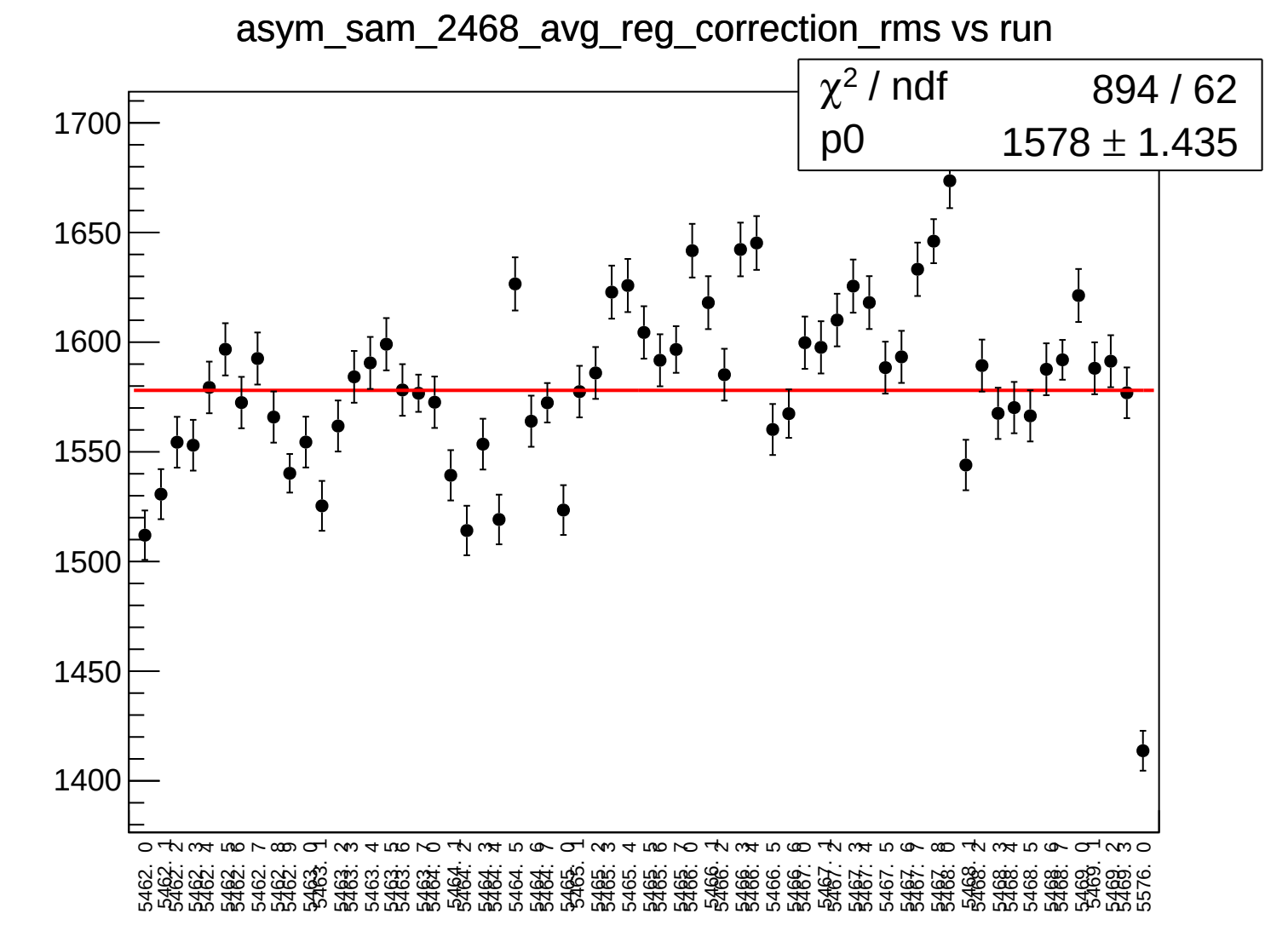

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 46.67 / 62
p0 147.5 ± 236.2
pull
Entries 63
Mean 27.78
Std Dev 0

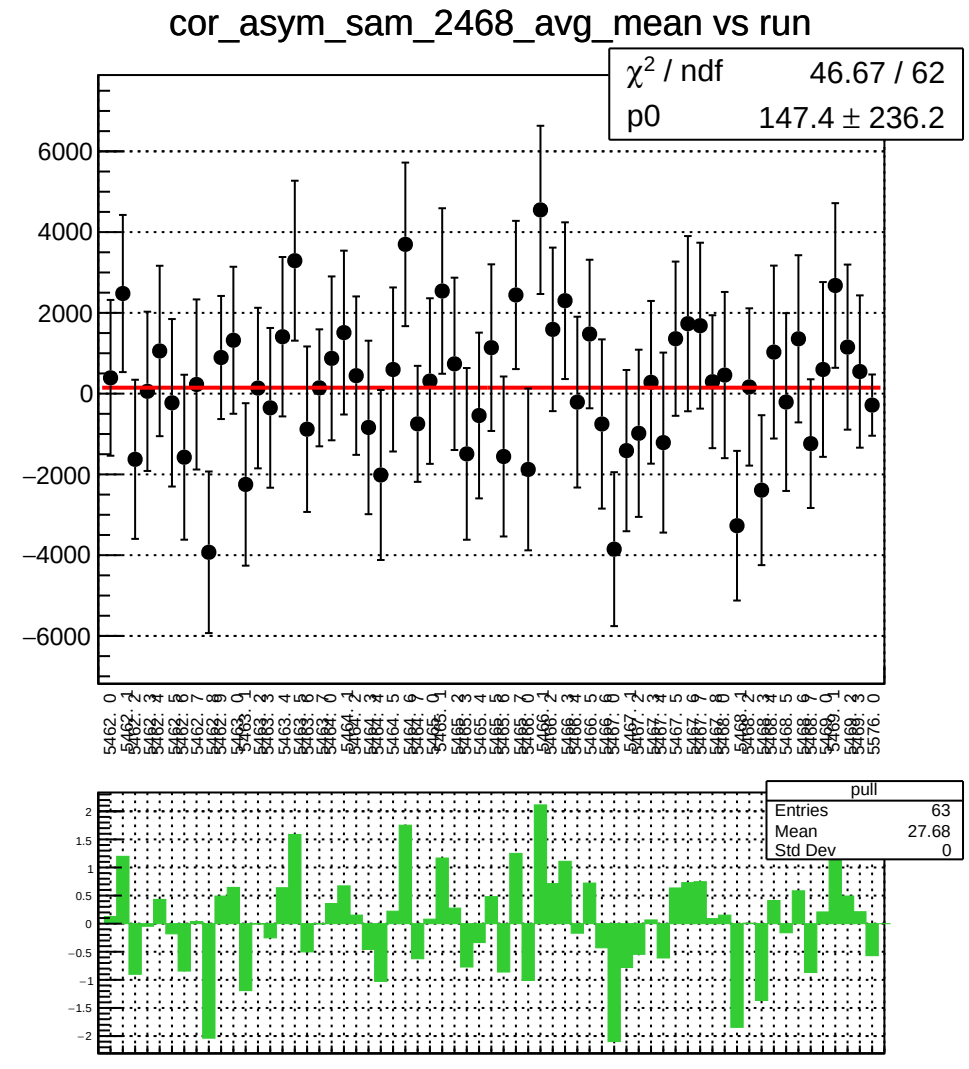

pull1D
Entries 63
Mean 0.02093
Std Dev 0.8605

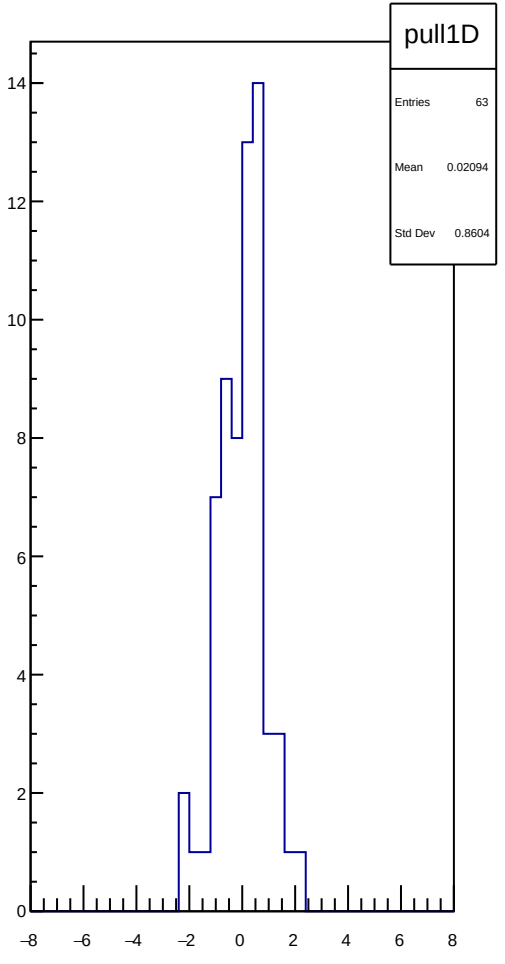

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.895e+04 / 62
p0 180.8 ± 0.167
220
200
180
160
140
120
100
80

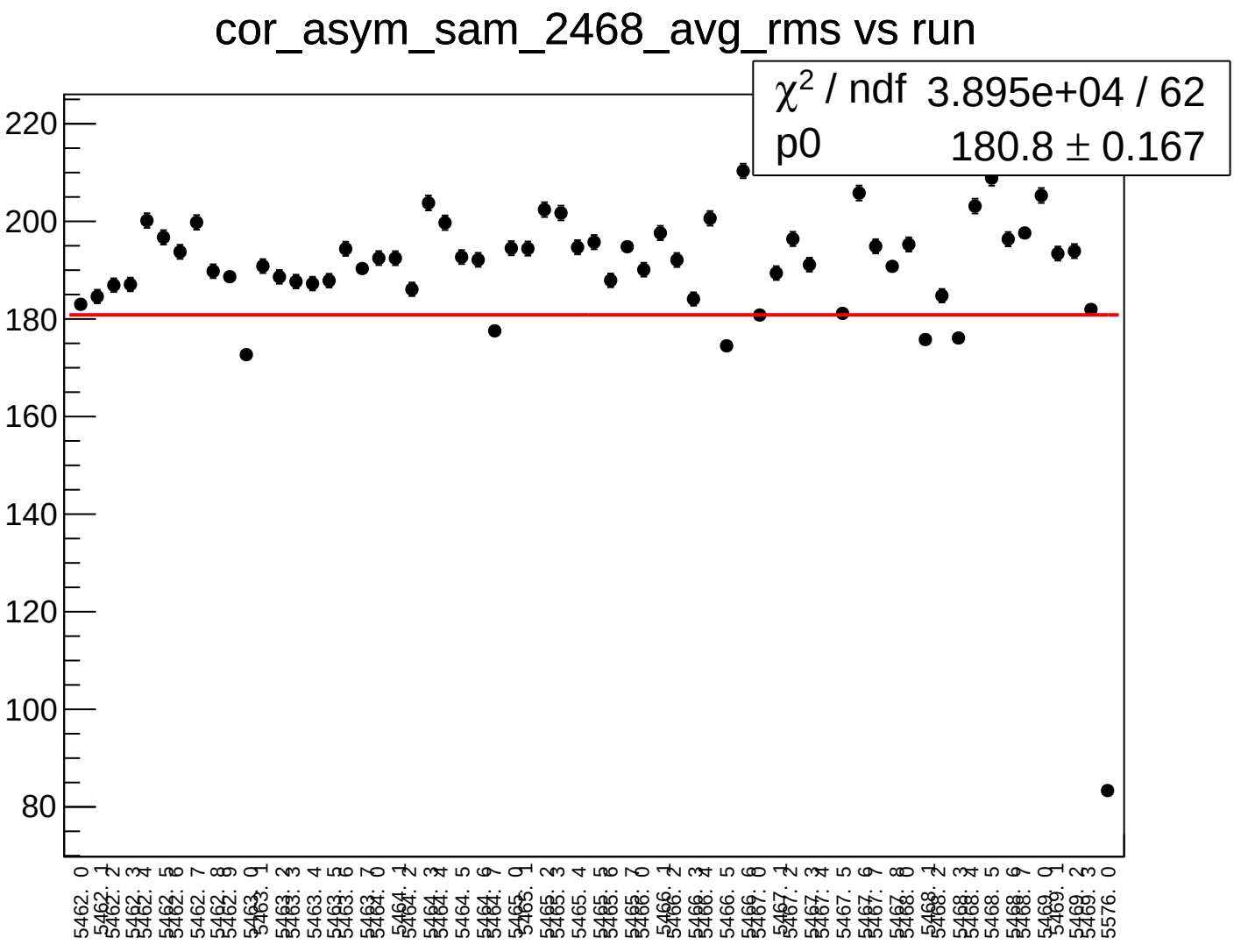

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 66.66 / 62
p0 1038 ± 2029
pull
Entries 63
Mean 41.23
Std Dev 0

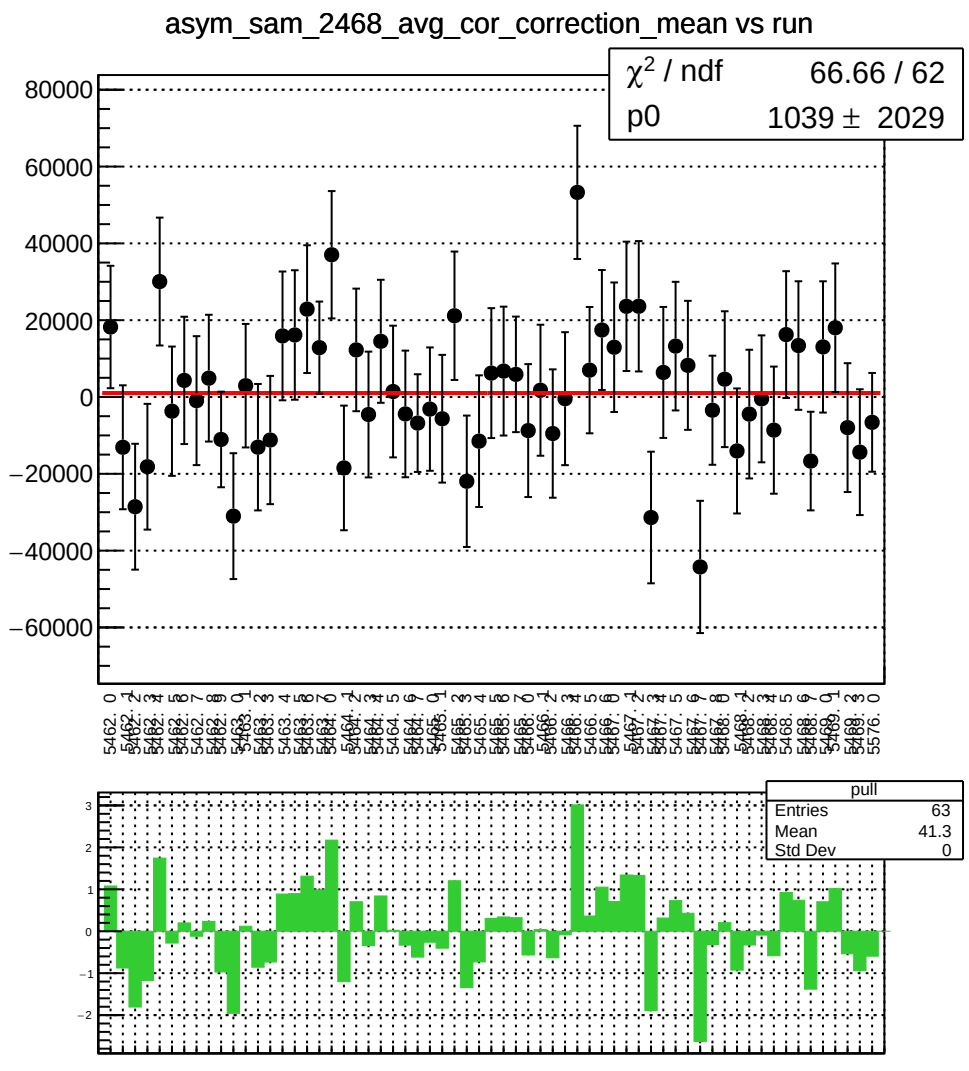

pull1D
Entries 63
Mean 0.01208
Std Dev 1.029

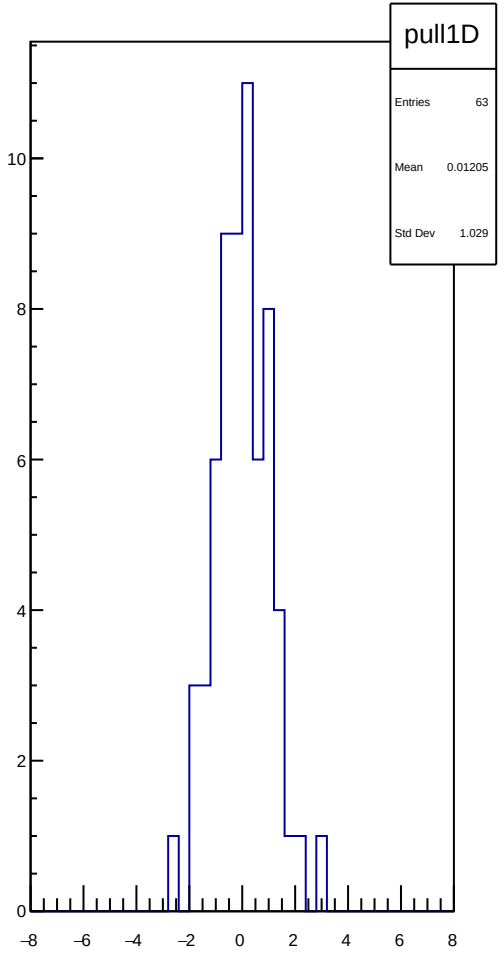

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 894 / 62
p0 1578 ± 1.435
1700
1650
1600
1550
1500
1450
1400

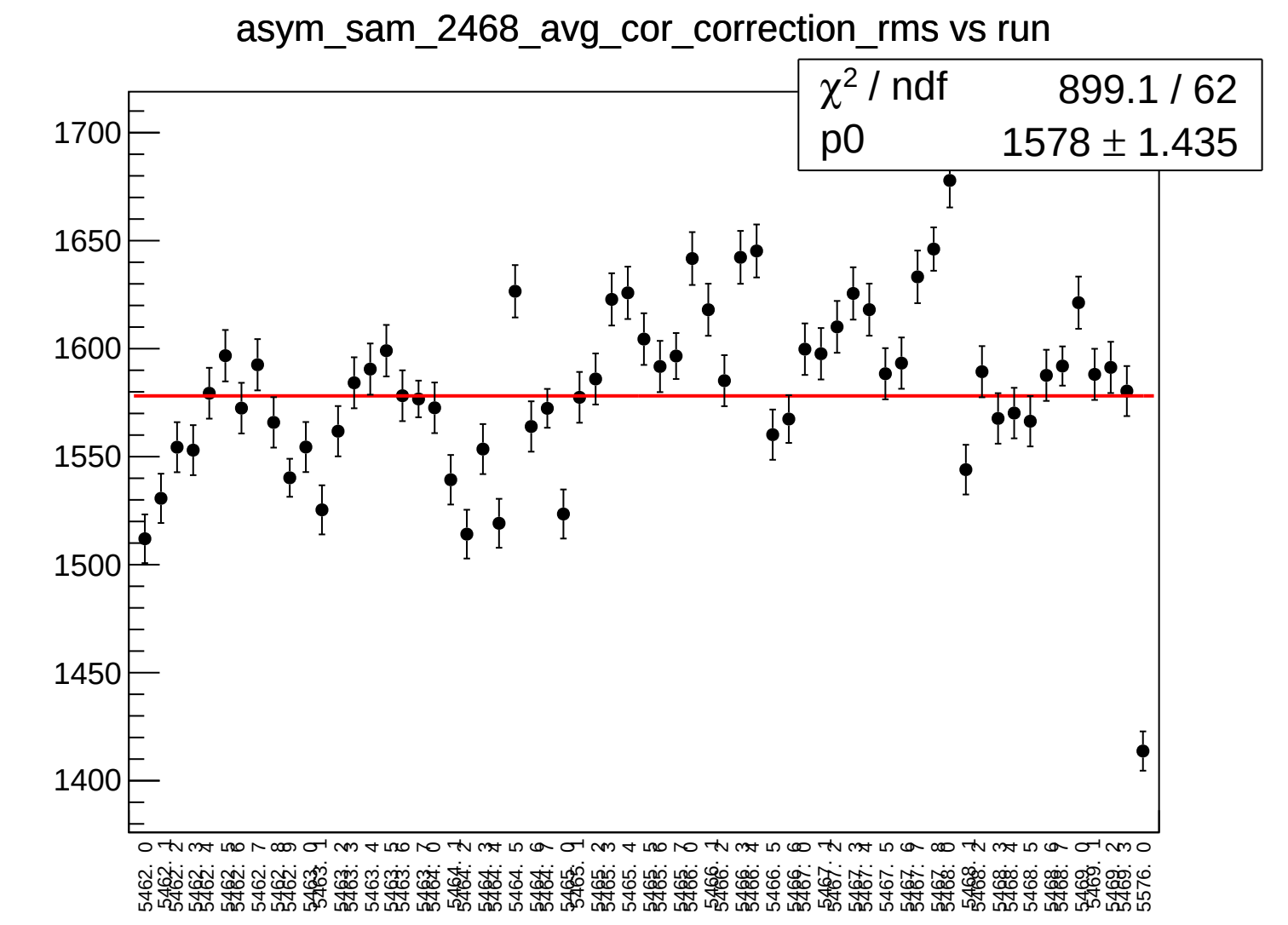

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 46.67 / 62
p0 147.4 ± 236.2
pull
Entries 63
Mean 27.68
Std Dev 0

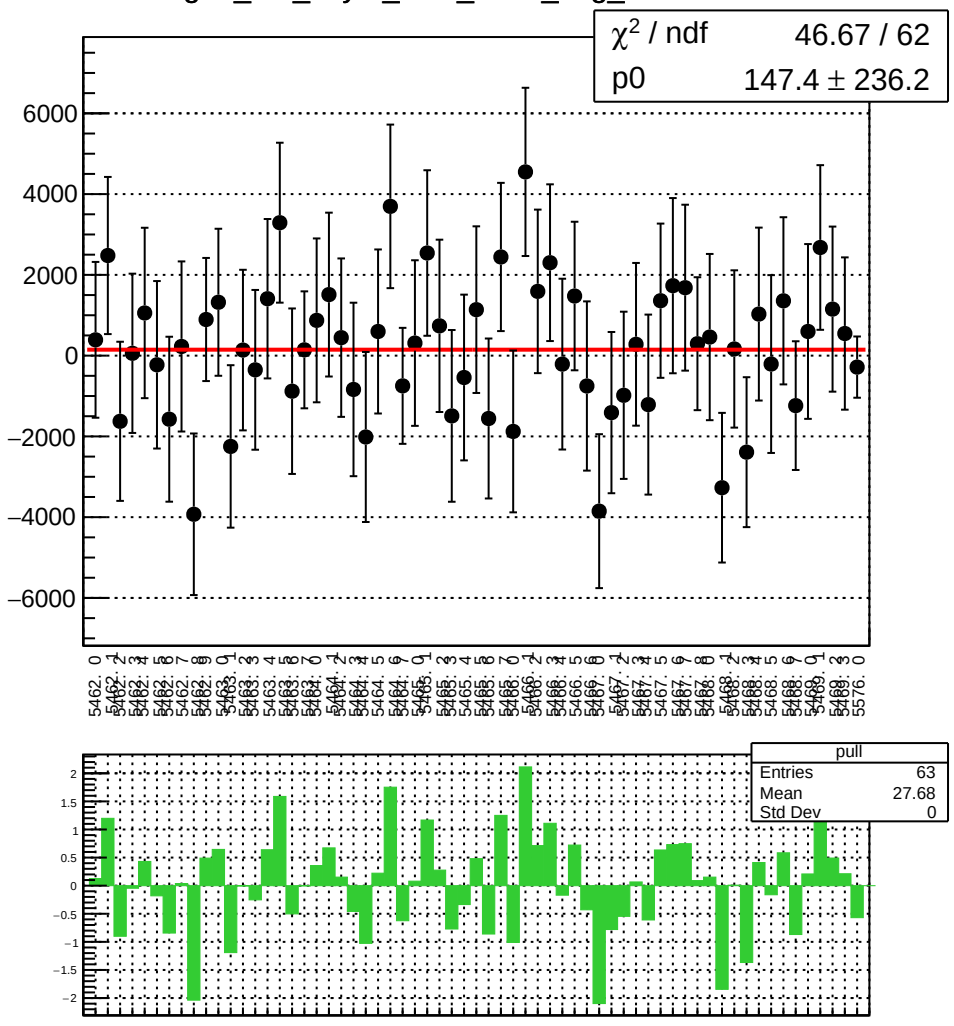

pull1D
Entries 63
Mean 0.02094
Std Dev 0.8604

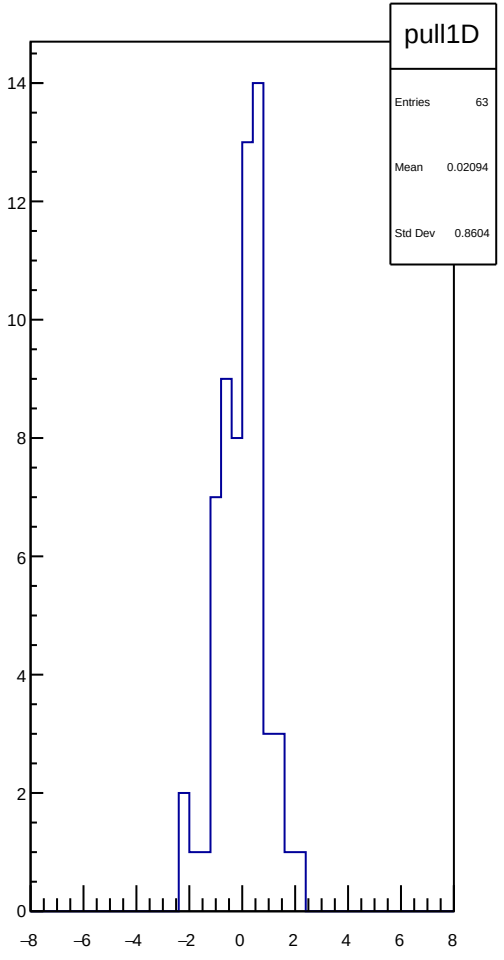

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 3.895e+04 / 62
p0 180.8 ± 0.167
220
200
180
160
140
120
100
80

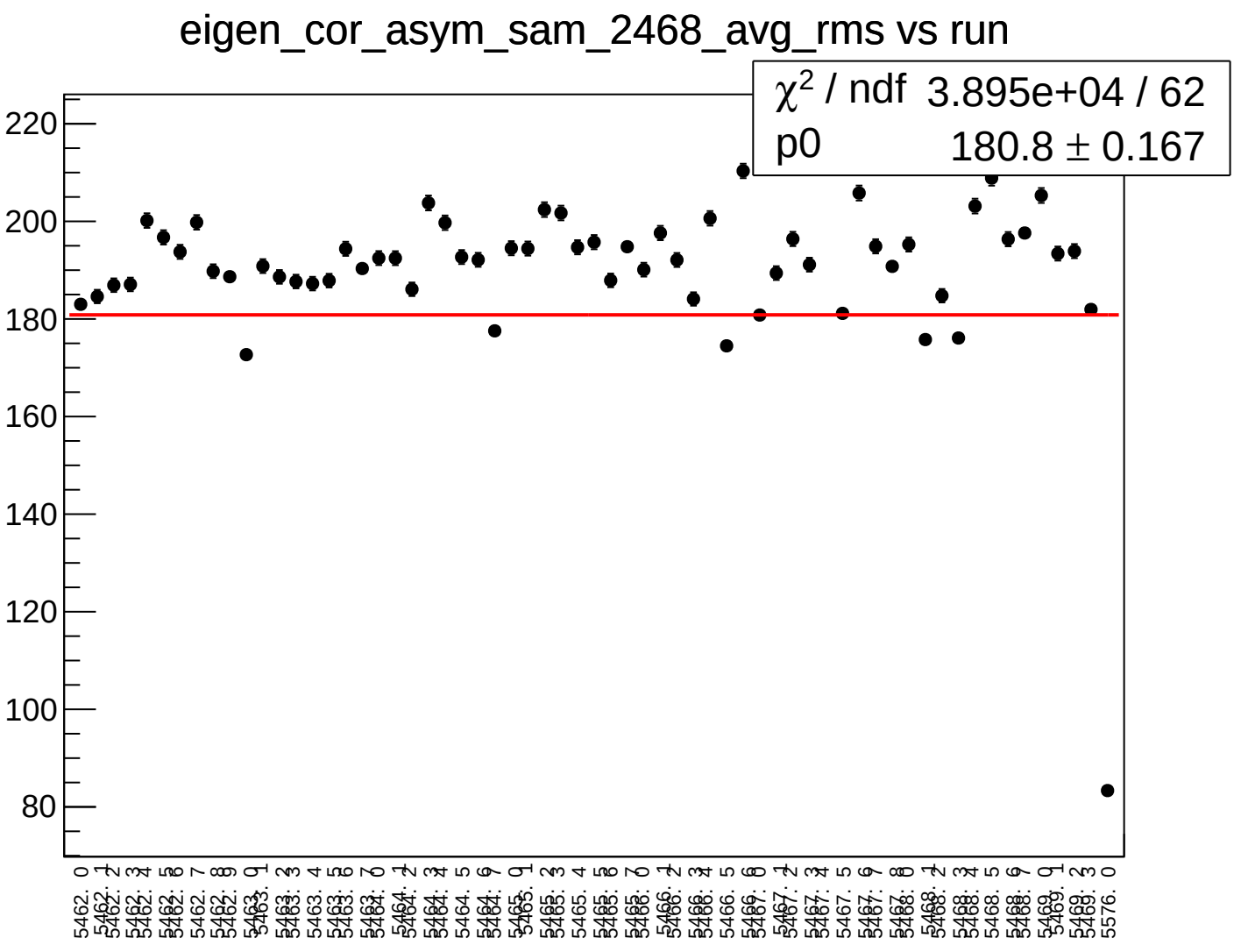

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 66.66 / 62
p0 1039 ± 2029
pull
Entries 63
Mean 41.3
Std Dev 0

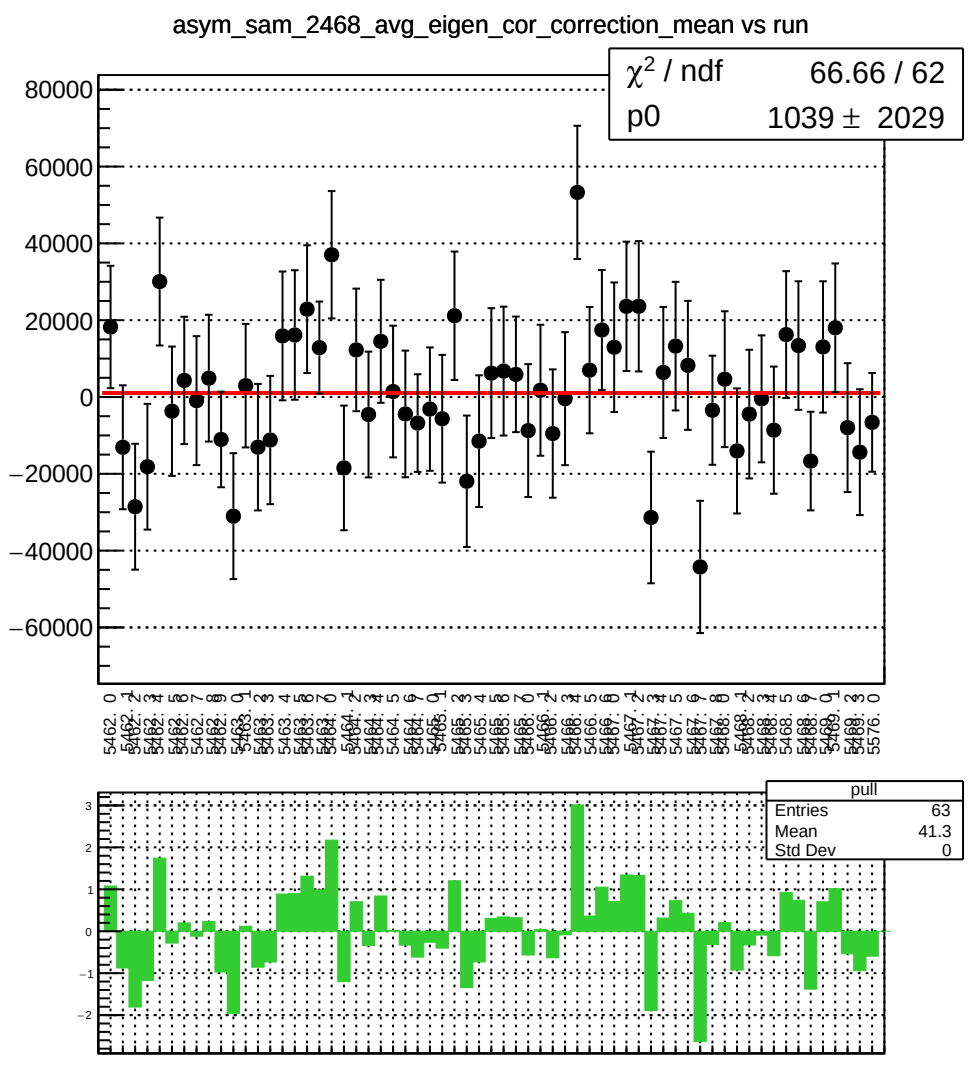

pull1D
Entries 63
Mean 0.01205
Std Dev 1.029

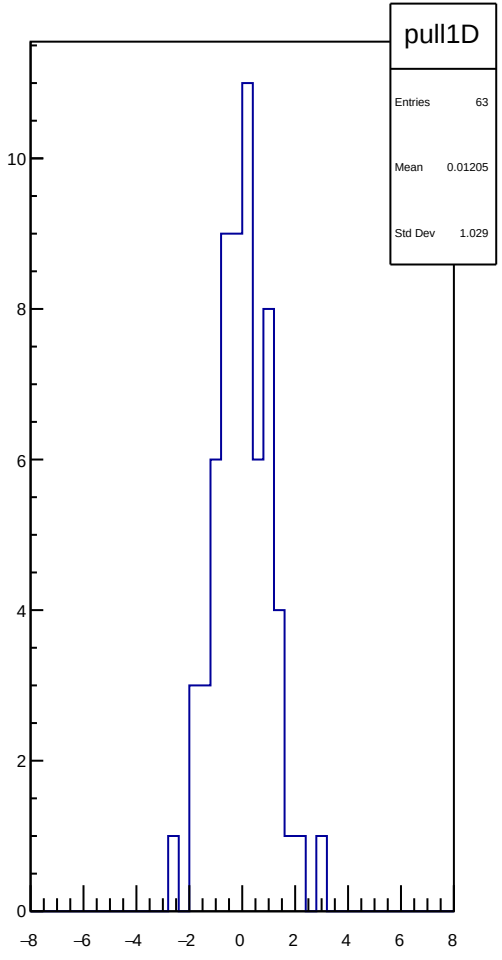

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 899.1 / 62
p0 1578 ± 1.435
1700
1650
1600
1550
1500
1450
1400

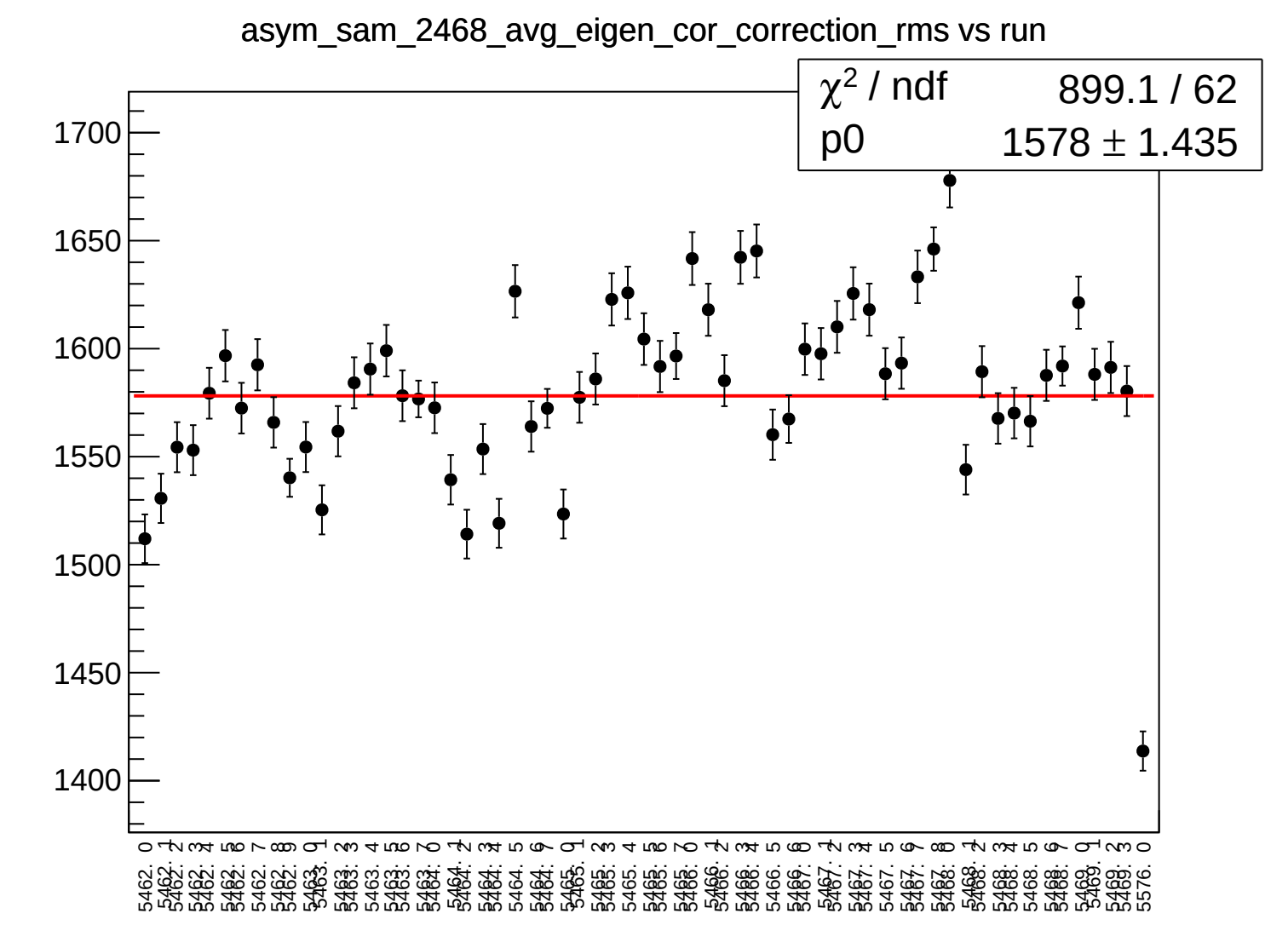

eigen_cor_asym_sam_2468_avg_mean vs run
χ^2 / ndf 46.67 / 62
p0 147.4 ± 236.2
pull
Entries 63
Mean 27.68
Std Dev 0

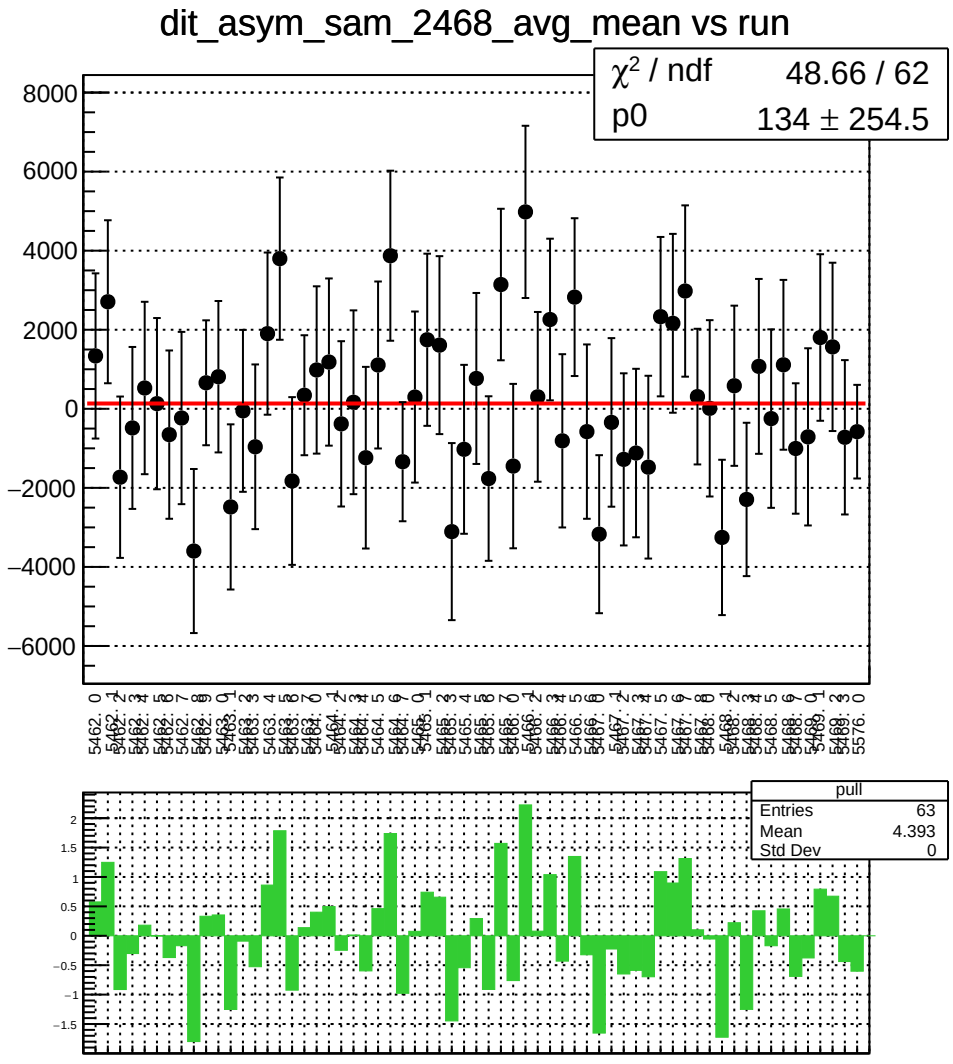

pull1D
Entries 63
Mean 0.02094
Std Dev 0.8604

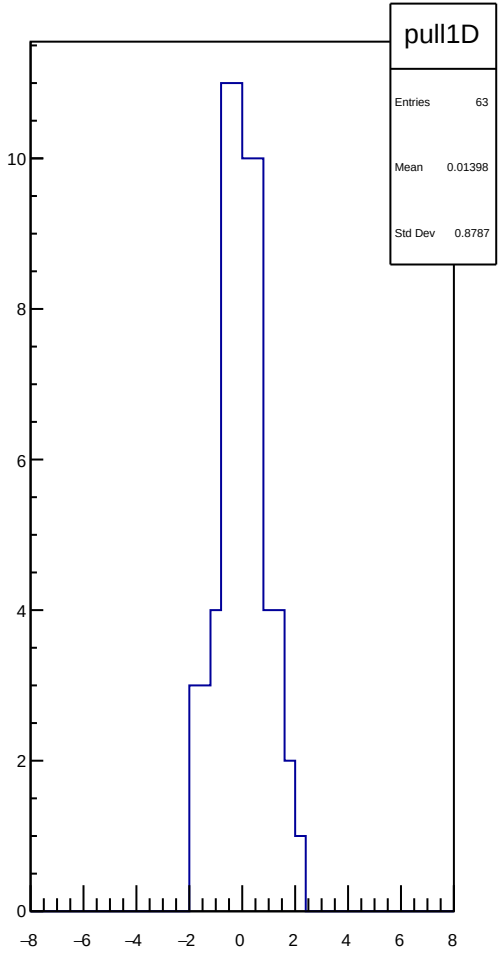

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.895e+04 / 62
p0 180.8 ± 0.167
220
200
180
160
140
120
100
80

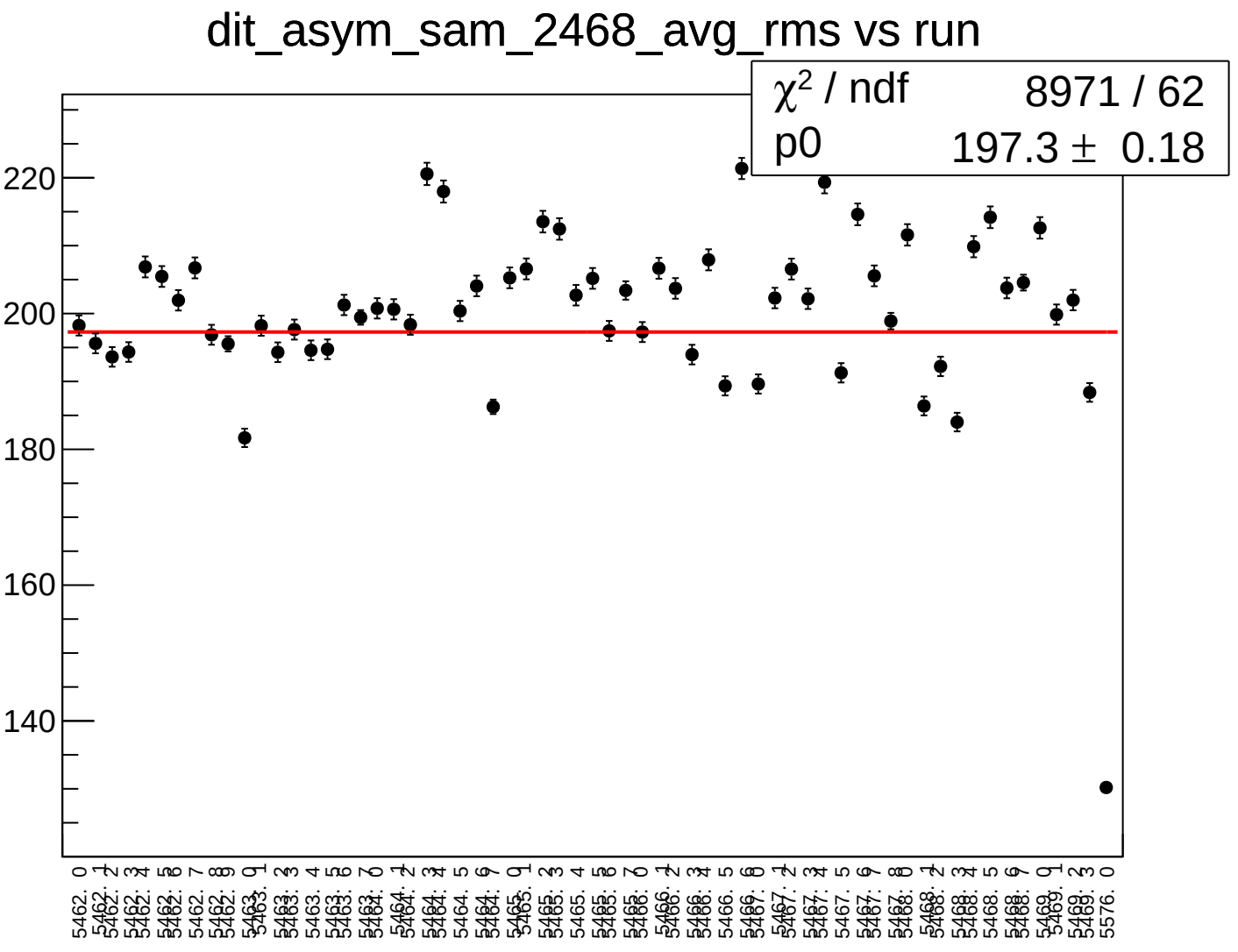

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.66 / 62
p0 1039 ± 2029
pull
Entries 63
Mean 41.3
Std Dev 0

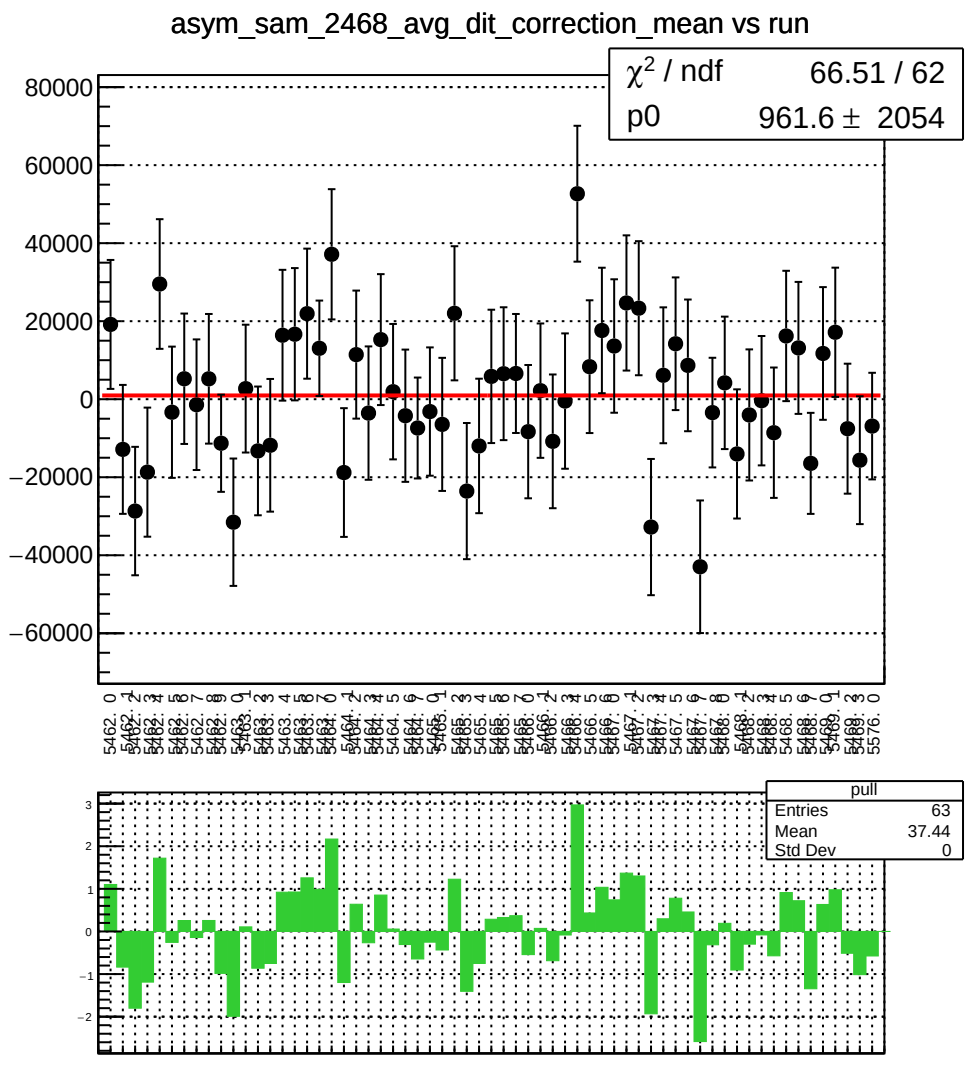

pull1D
Entries 63
Mean 0.01205
Std Dev 1.029

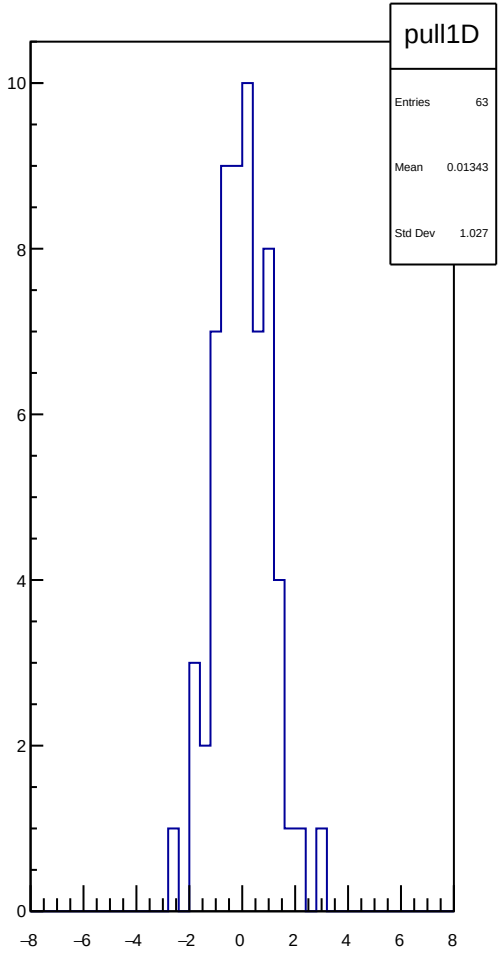

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 899.1 / 62
p0 1578 ± 1.435
1700
1650
1600
1550
1500
1450
1400

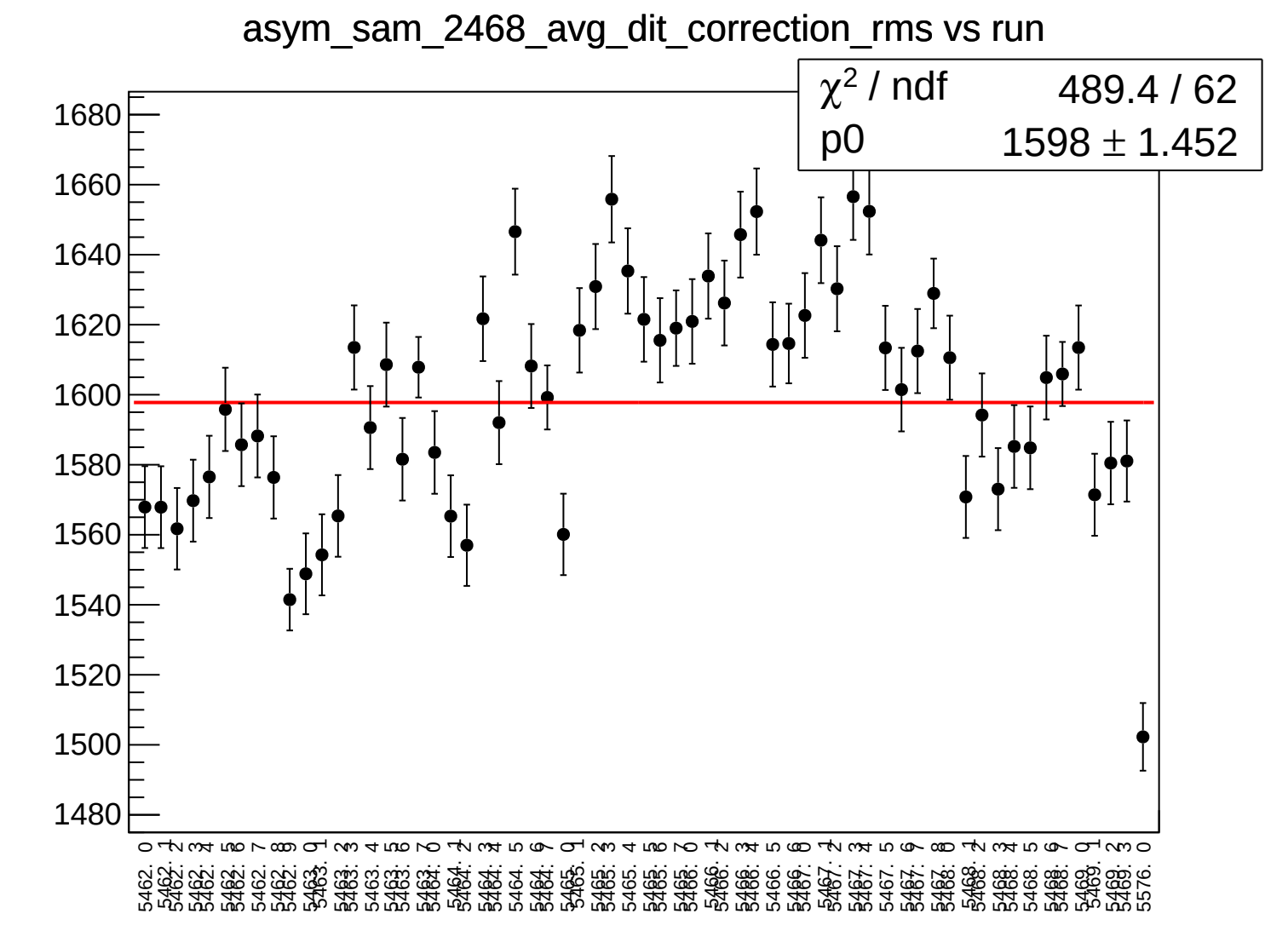

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 48.66 / 62
p0 134 ± 254.5
pull
Entries 63
Mean 4.393
Std Dev 0

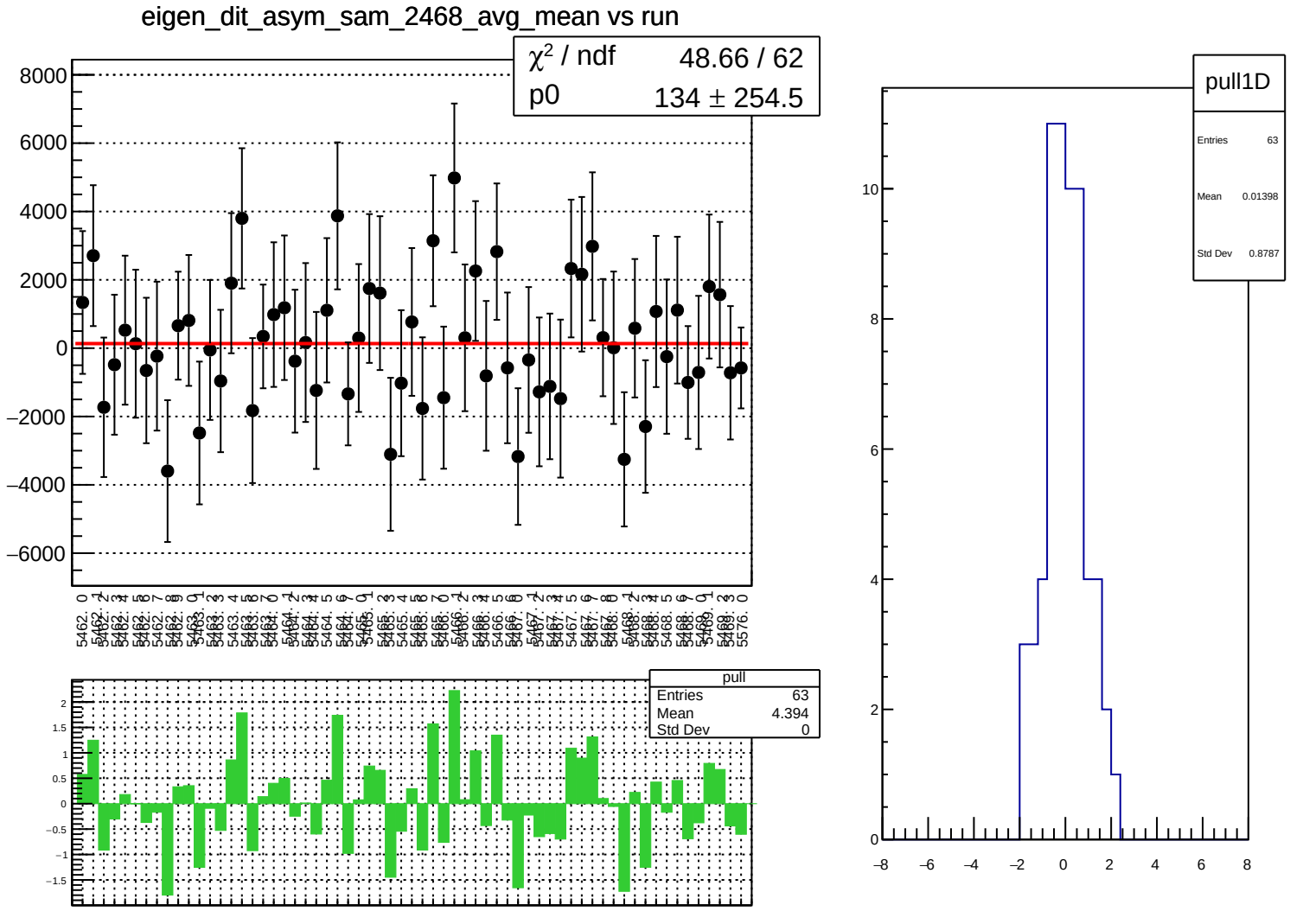

pull1D
Entries 63
Mean 0.01398
Std Dev 0.8787

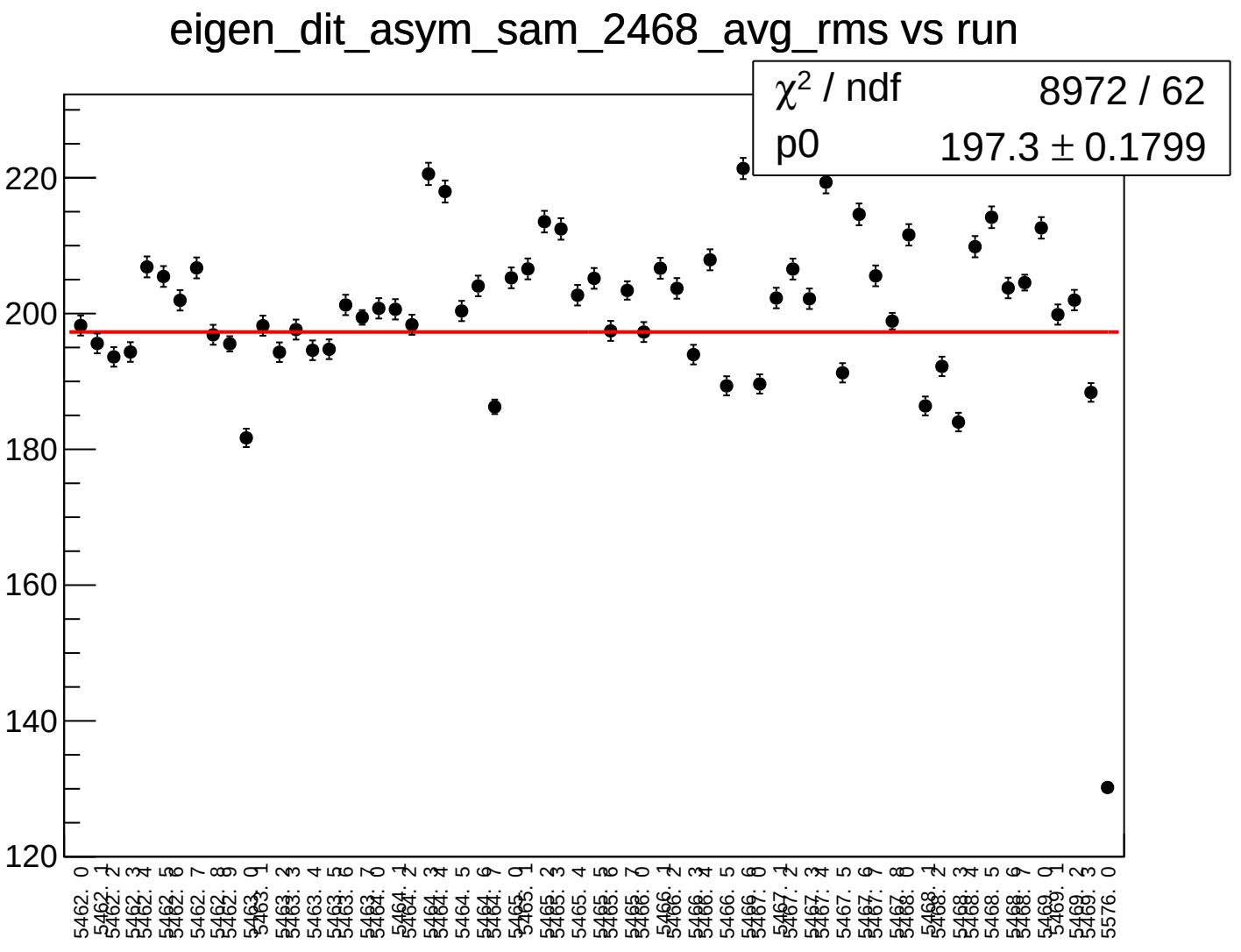

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8971 / 62
p0 197.3 ± 0.18
220
200
180
160
140

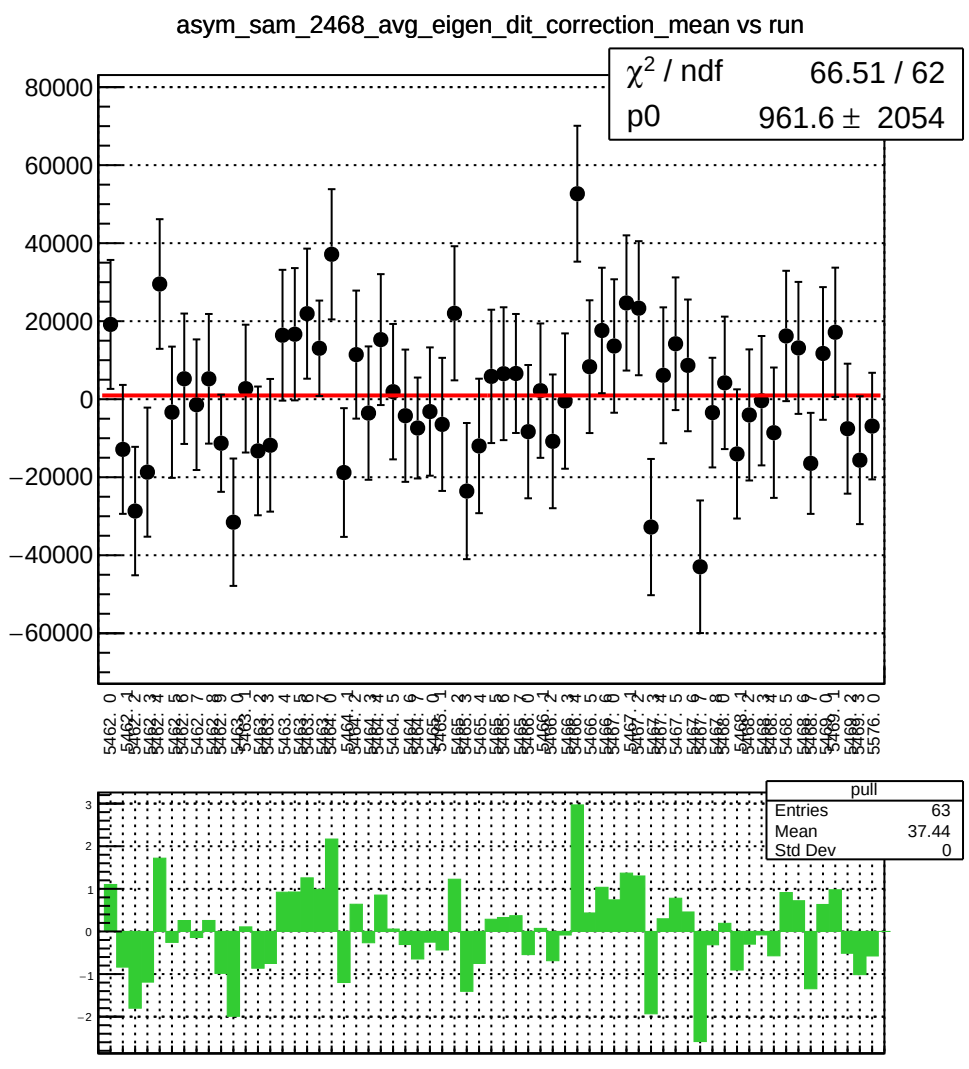

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 66.51 / 62
p0 961.6 ± 2054
pull
Entries 63
Mean 37.44
Std Dev 0

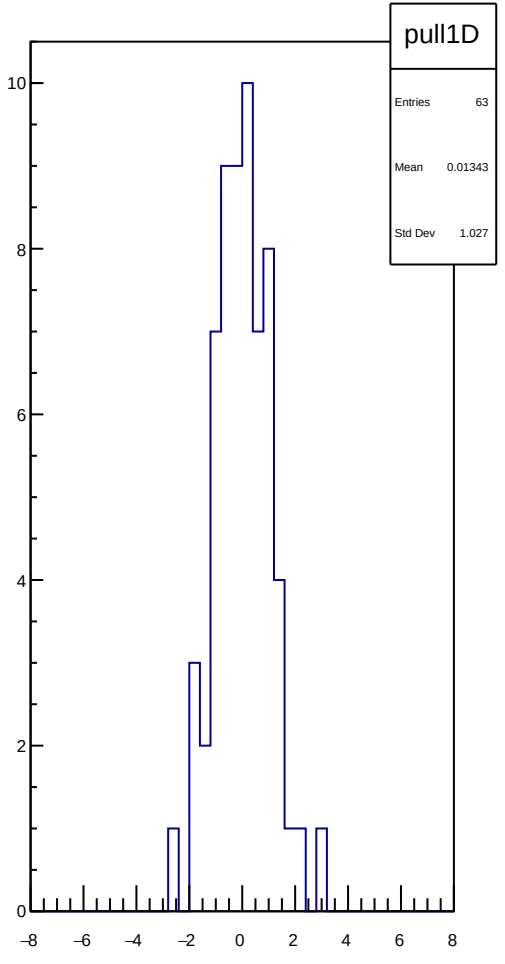

pull1D
Entries 63
Mean 0.01343
Std Dev 1.027

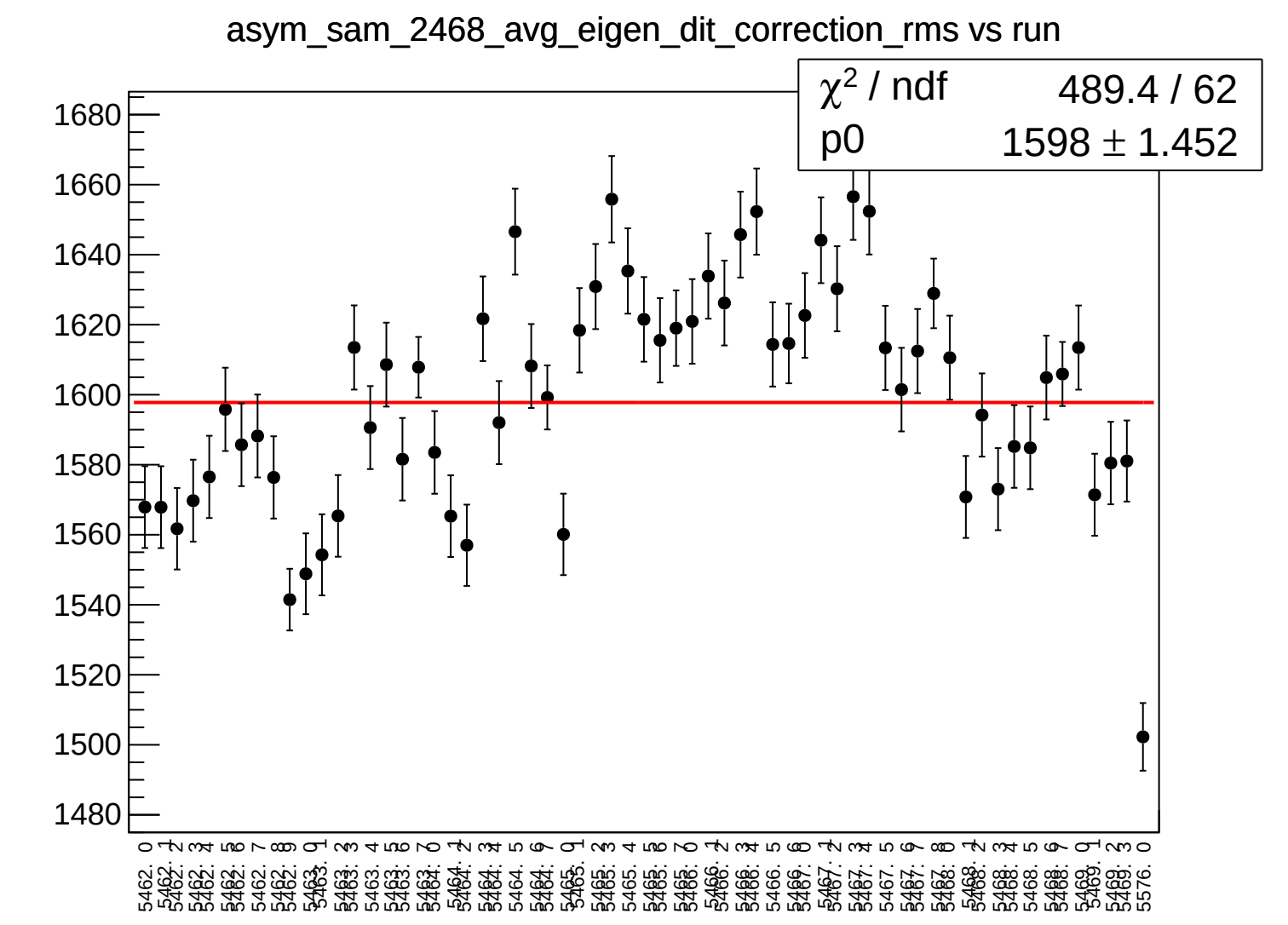

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 489.4 / 62
p0 1598 ± 1.452
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480

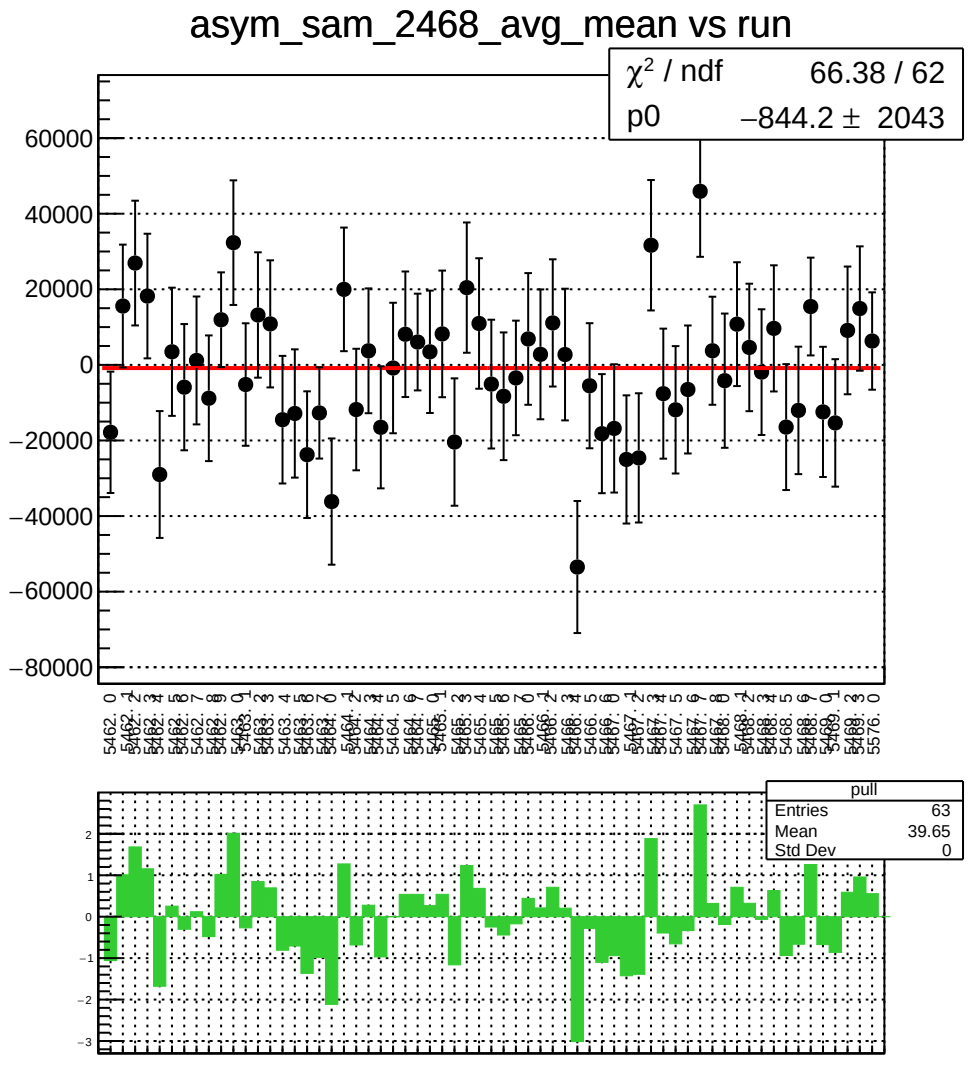

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 48.66 / 62
p0 134 ± 254.5
pull
Entries 63
Mean 4.394
Std Dev 0
pull1D
Entries 63
Mean 0.01398
Std Dev 0.8787

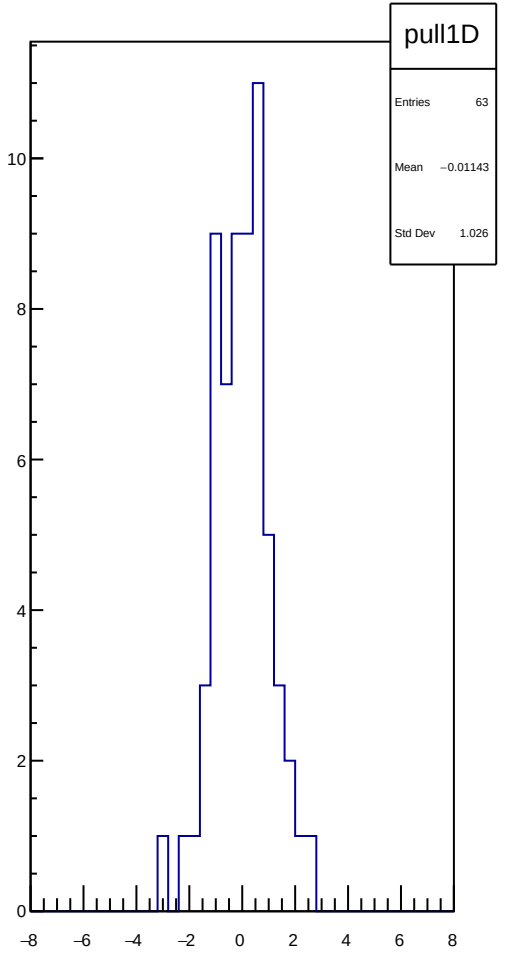

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8972 / 62
p0 197.3 ± 0.1799
220
200
180
160
140
120

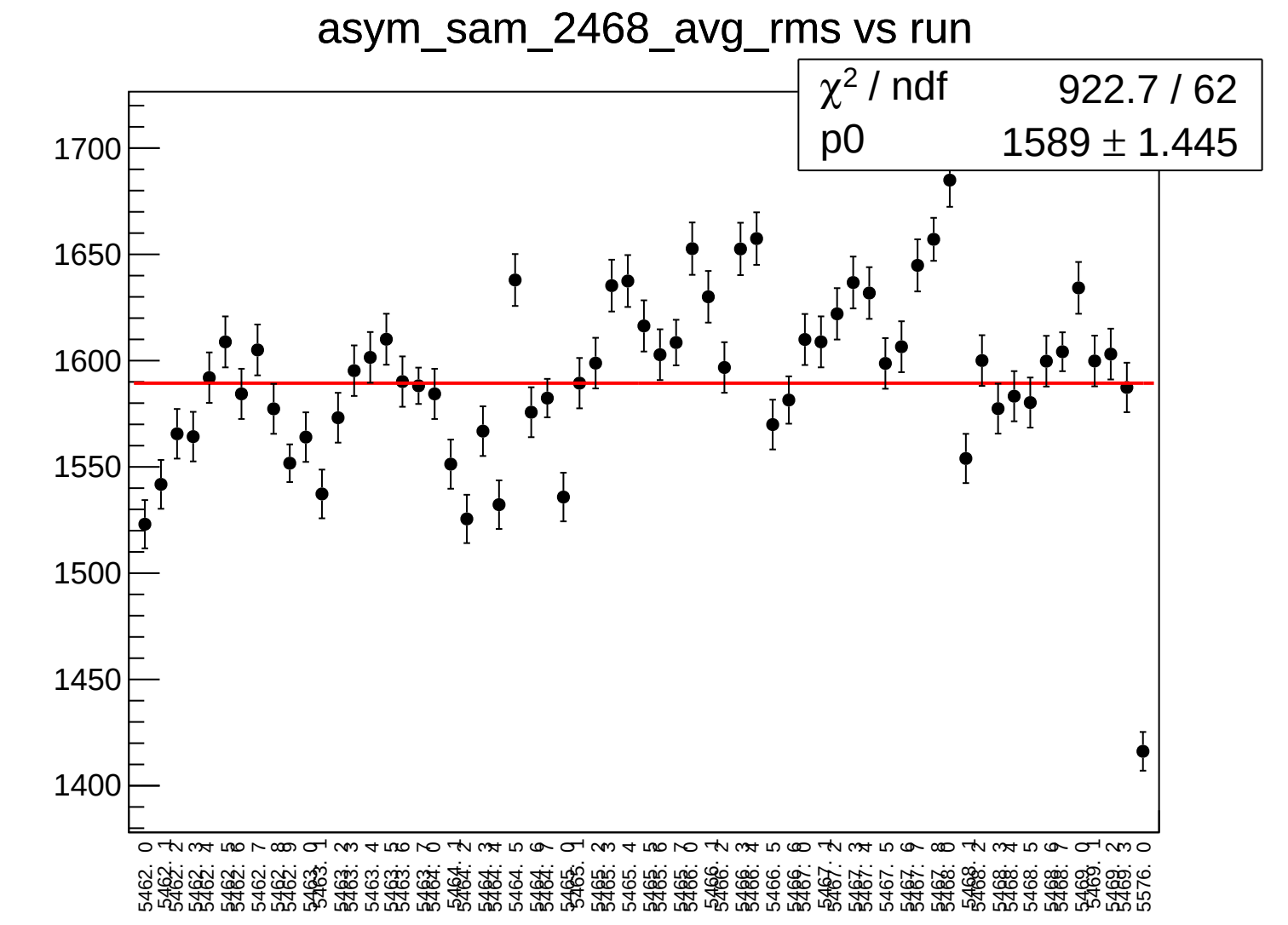

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.51 / 62
p0 961.6 ± 2054
pull
Entries 63
Mean 37.44
Std Dev 0

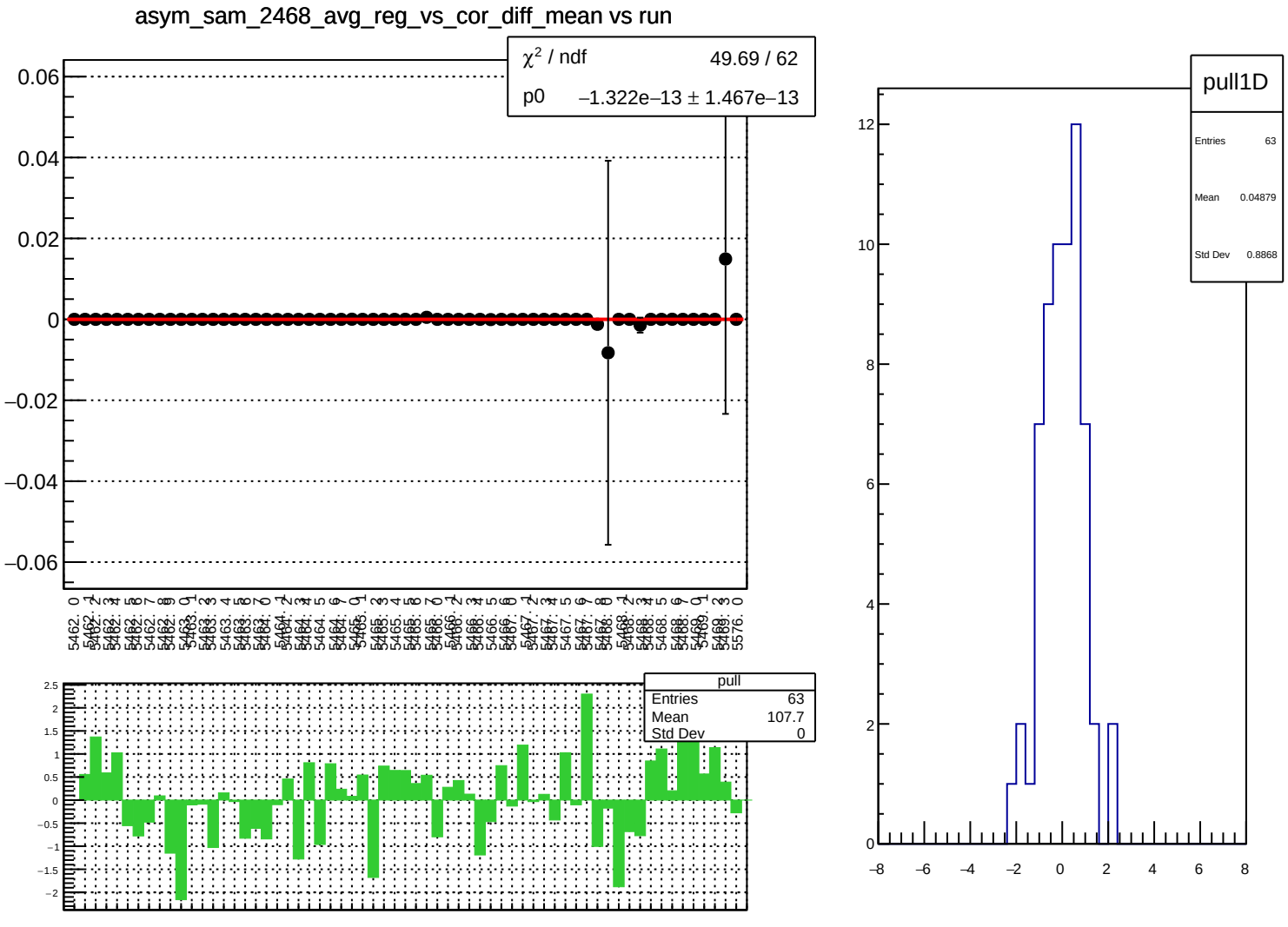

pull1D
Entries 63
Mean 0.01343
Std Dev 1.027

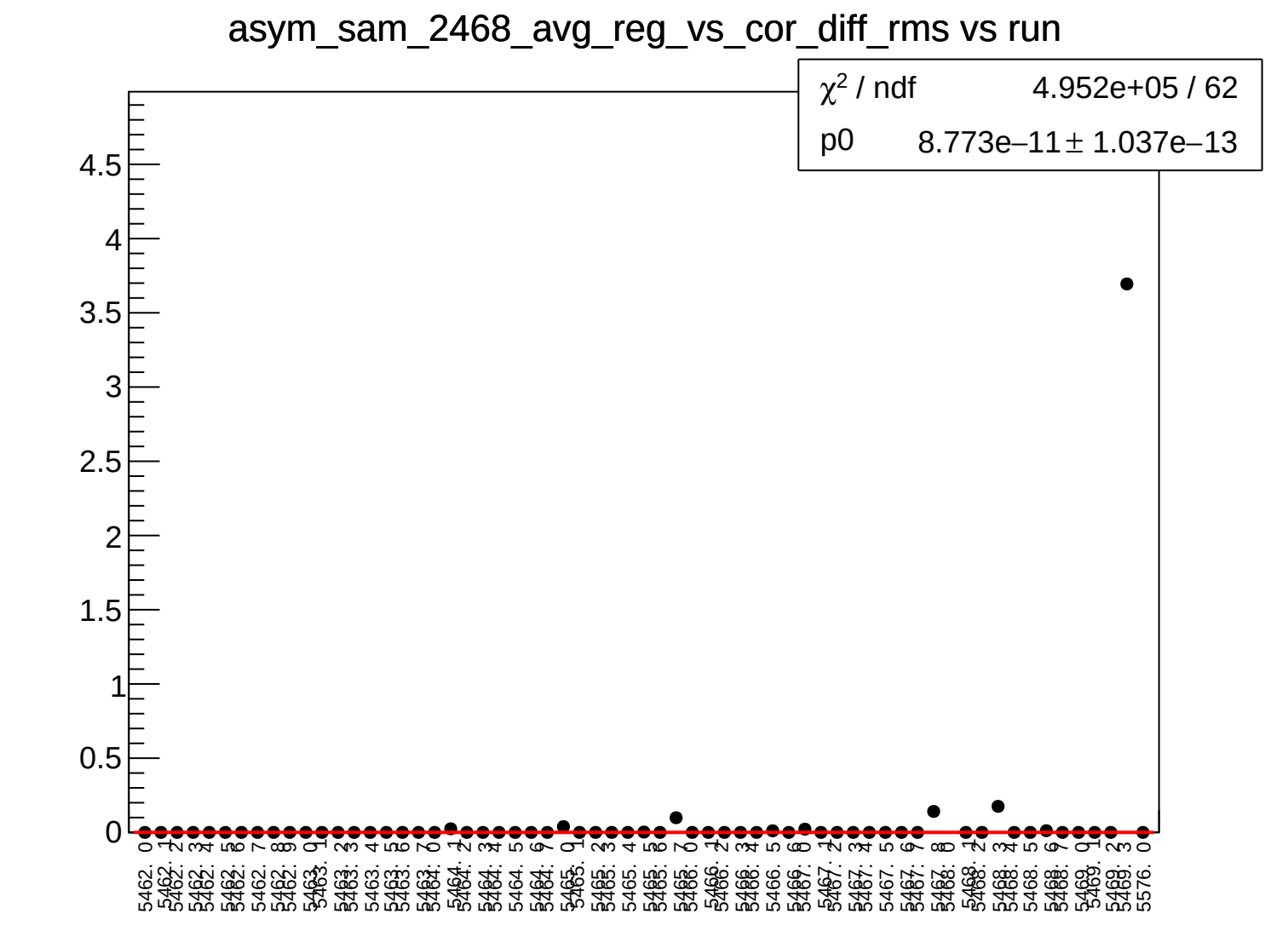

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 489.4 / 62
p0 1598 ± 1.452
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480

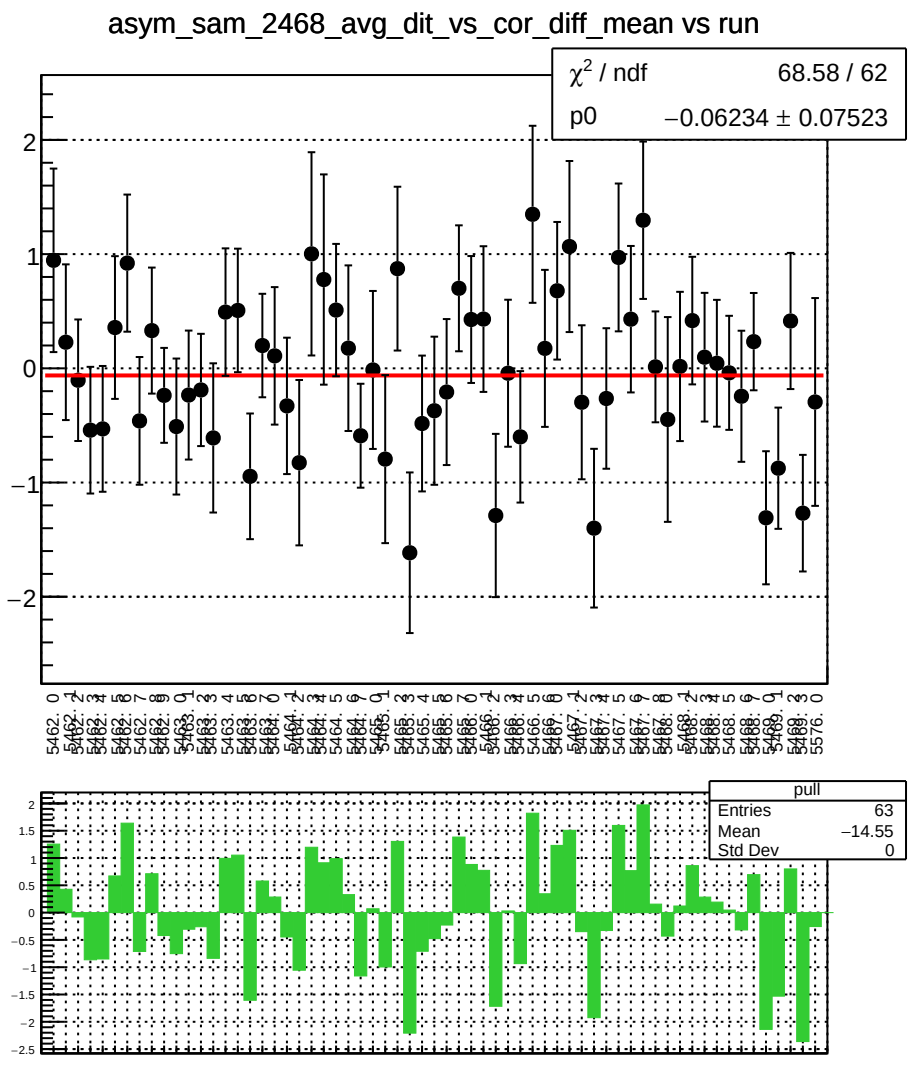

asym_sam_2468_avg_mean vs run
χ² / ndf 66.38 / 62
p0 −844.2 ± 2043
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 63
Mean 39.65
Std Dev 0
2
1
0
−1
−2
−3

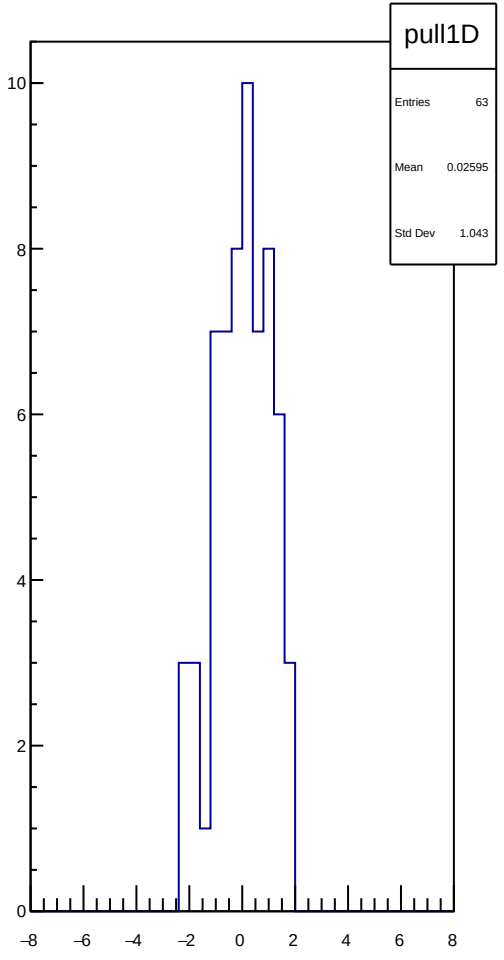

pull1D
Entries 63
Mean −0.01143
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

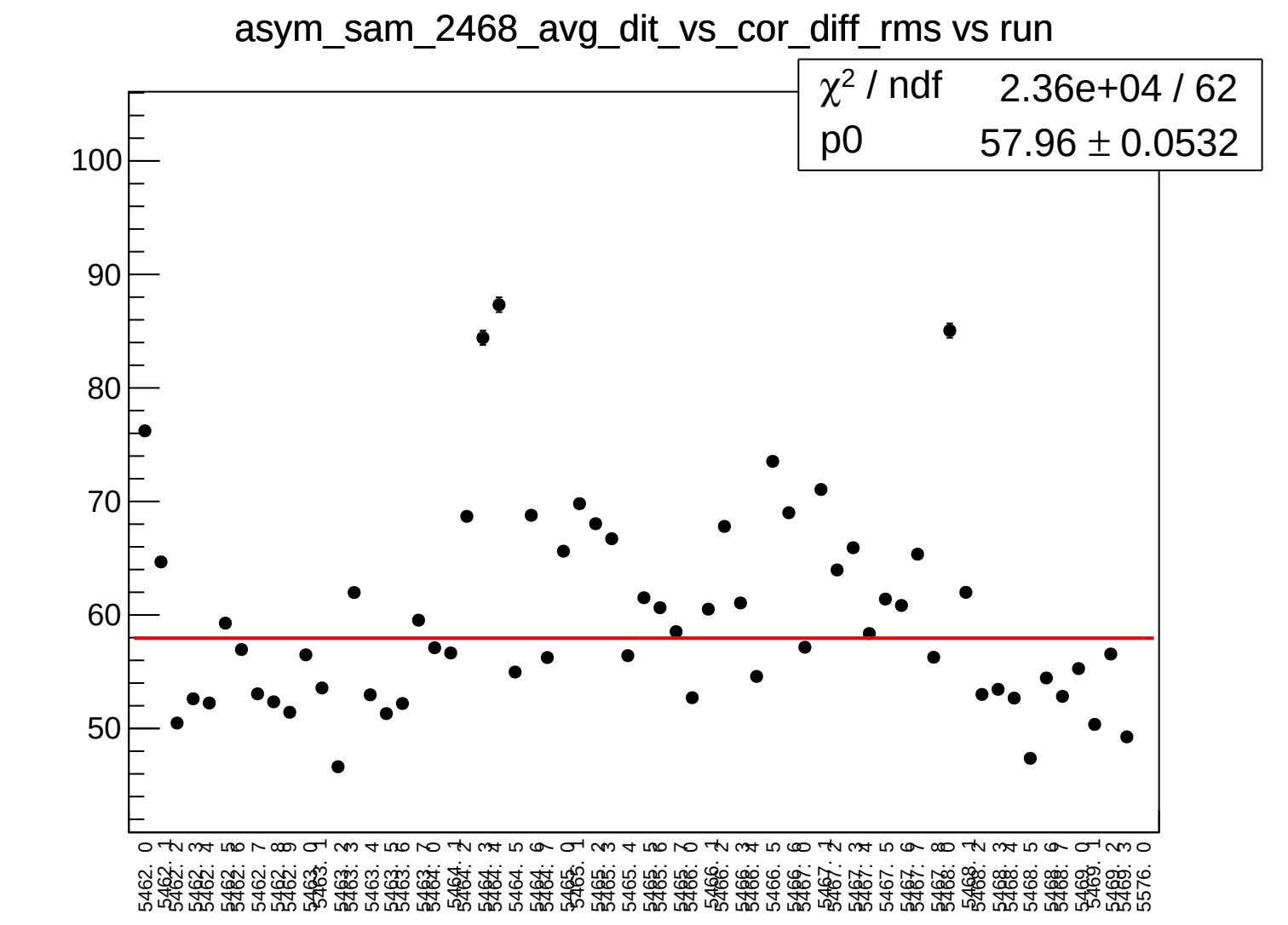

asym_sam_2468_avg_rms vs run
χ² / ndf 922.7 / 62
p0 1589 ± 1.445
1700
1650
1600
1550
1500
1450
1400

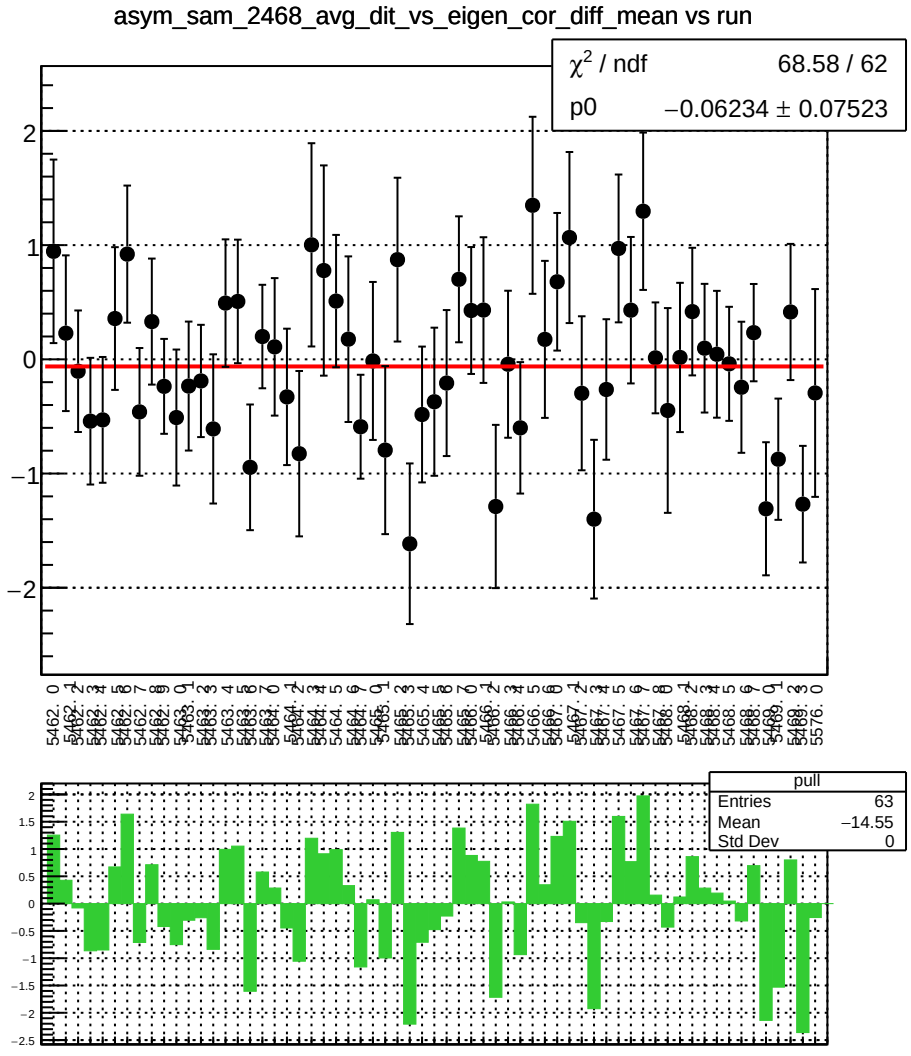

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.69 / 62
p0 −1.322e−13 ± 1.467e−13
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 63
Mean 107.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 63
Mean 0.04879
Std Dev 0.8868
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

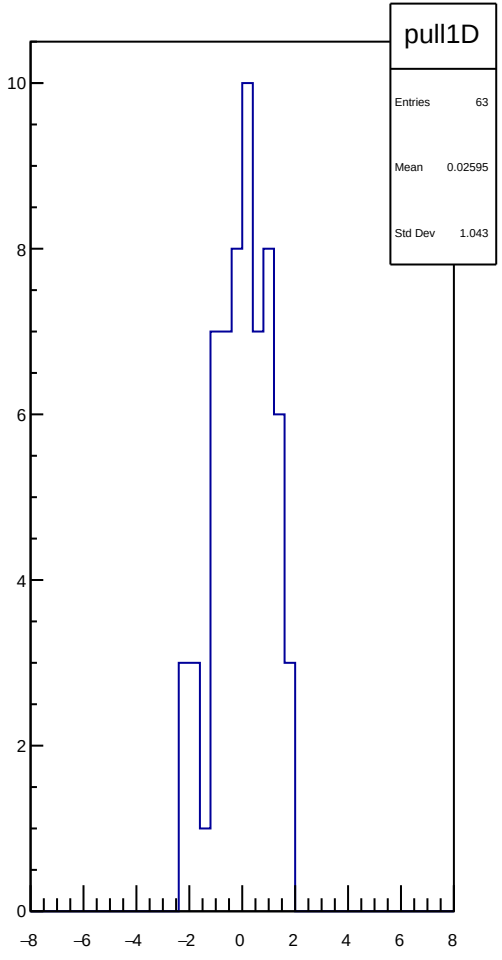

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.952e+05 / 62
p0 8.773e−11 ± 1.037e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

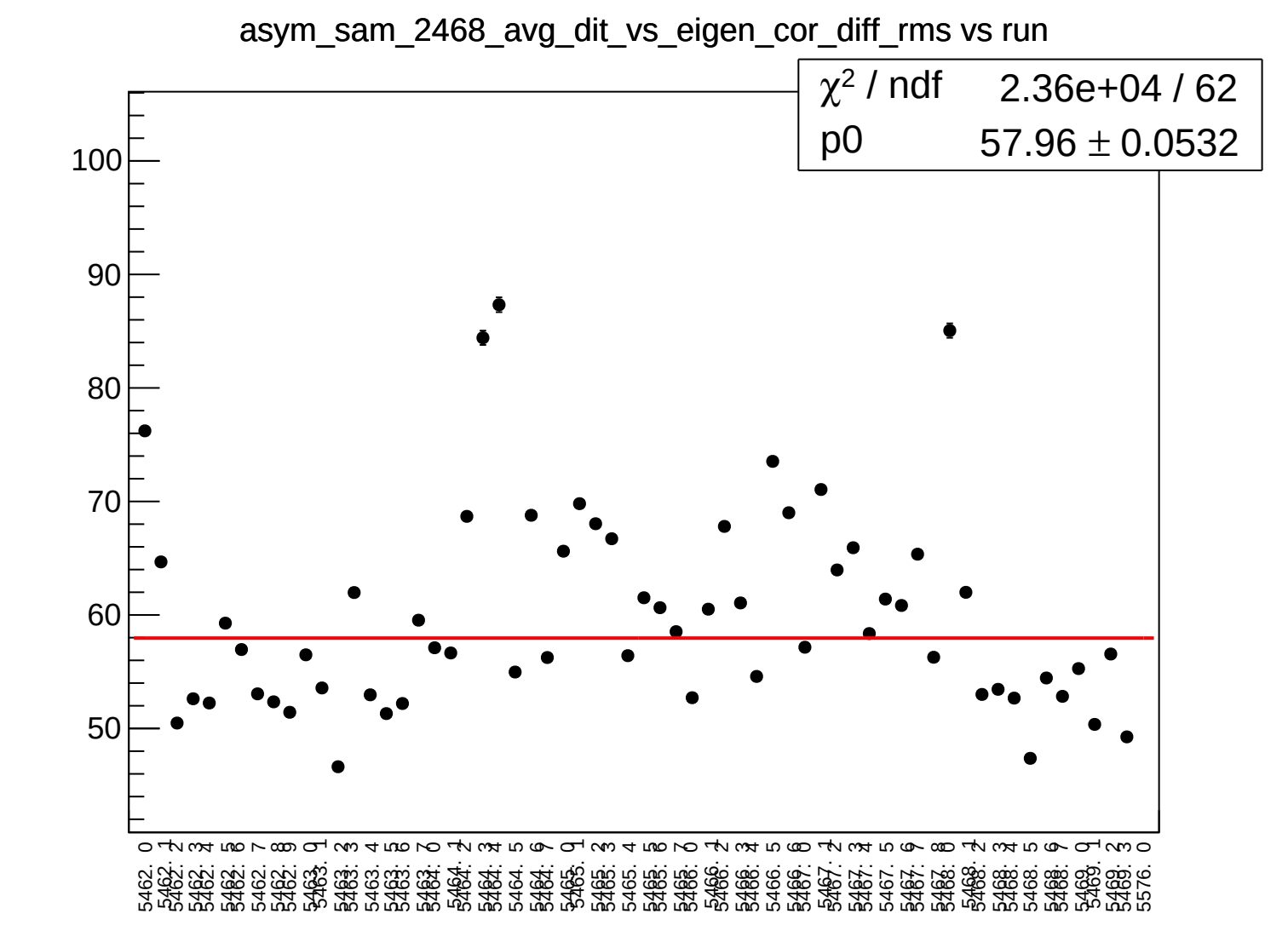

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.58 / 62
p0 −0.06234 ± 0.07523
pull
Entries 63
Mean −14.55
Std Dev 0

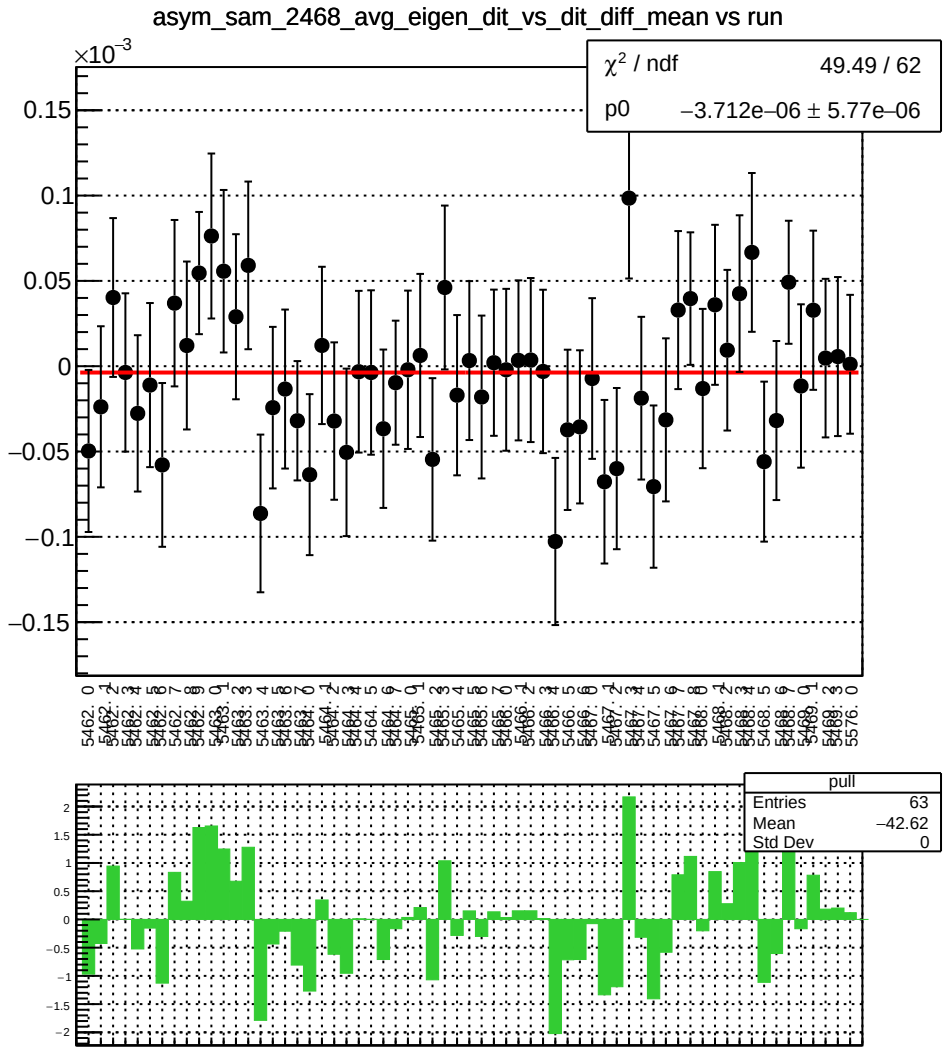

pull1D
Entries 63
Mean 0.02595
Std Dev 1.043

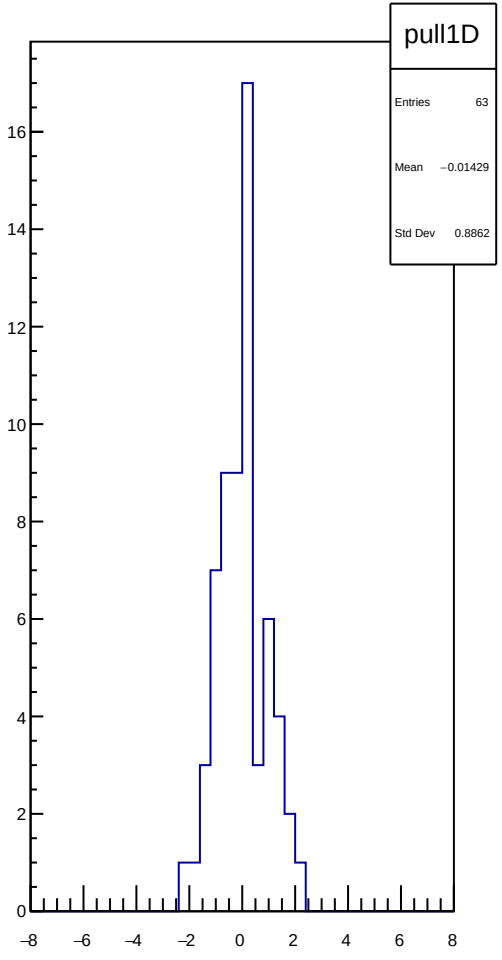

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.36e+04 / 62
p0 57.96 ± 0.0532
100
90
80
70
60
50

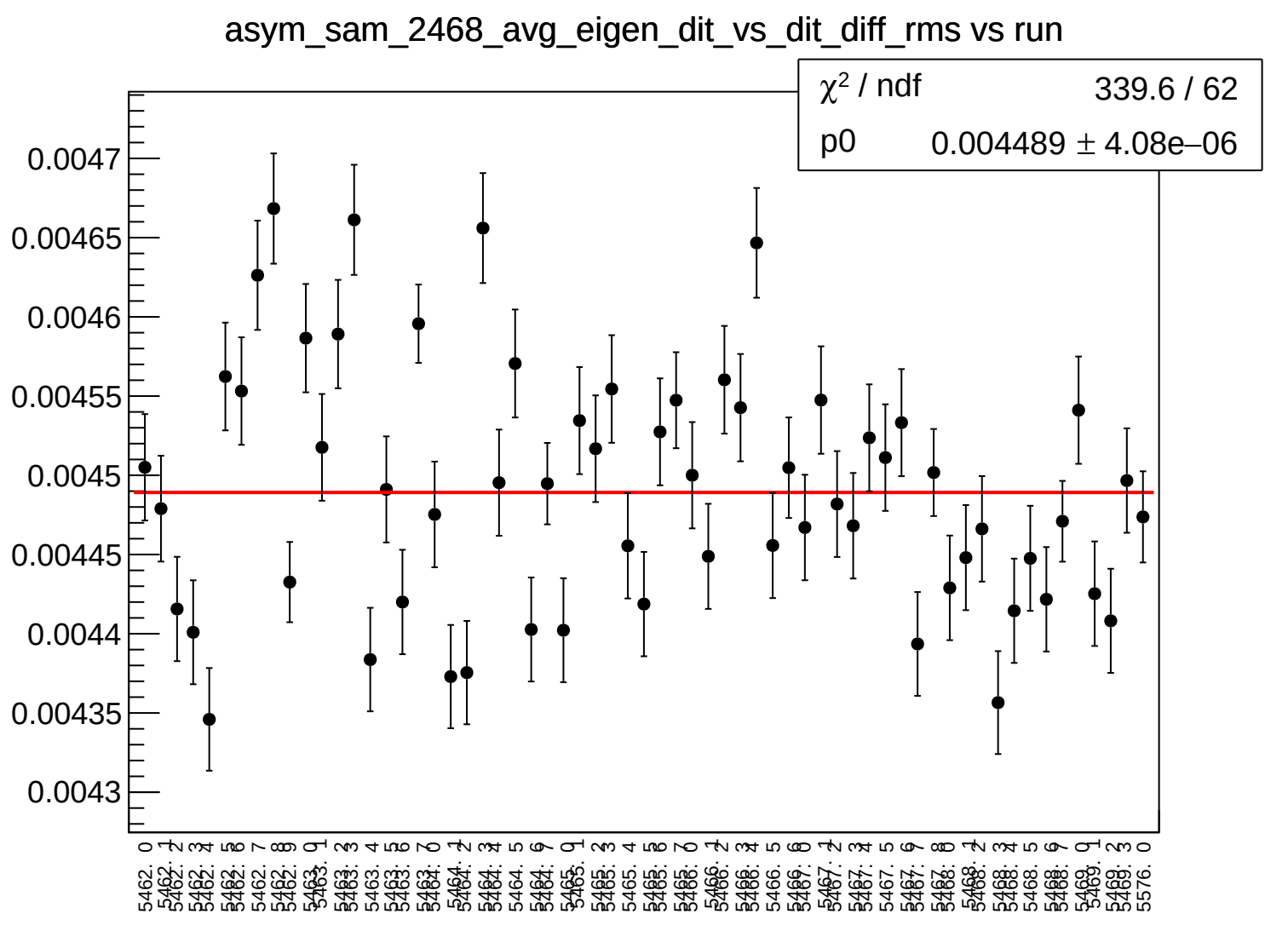

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.58 / 62
p0 −0.06234 ± 0.07523
pull
Entries 63
Mean −14.55
Std Dev 0

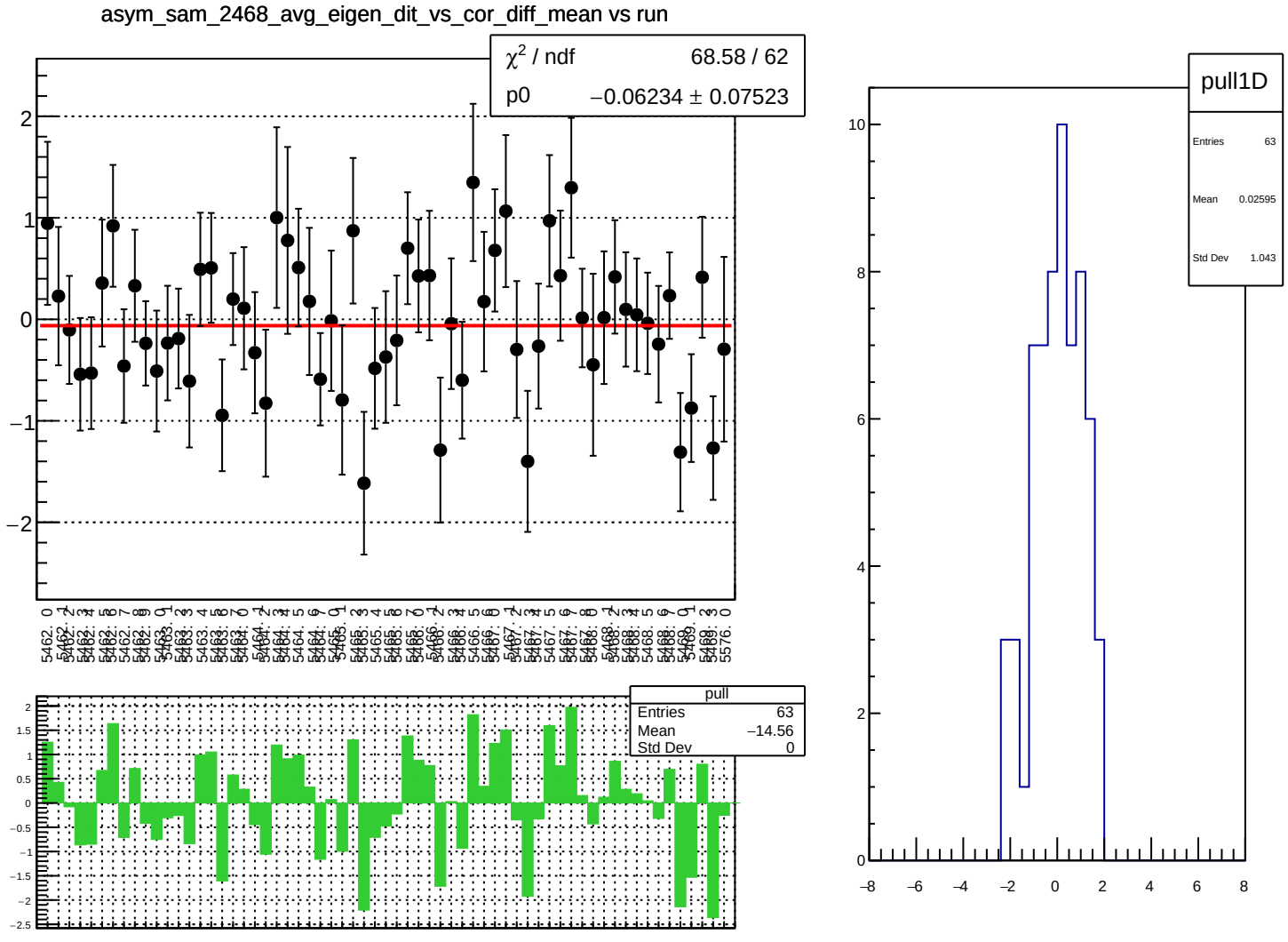

pull1D
Entries 63
Mean 0.02595
Std Dev 1.043

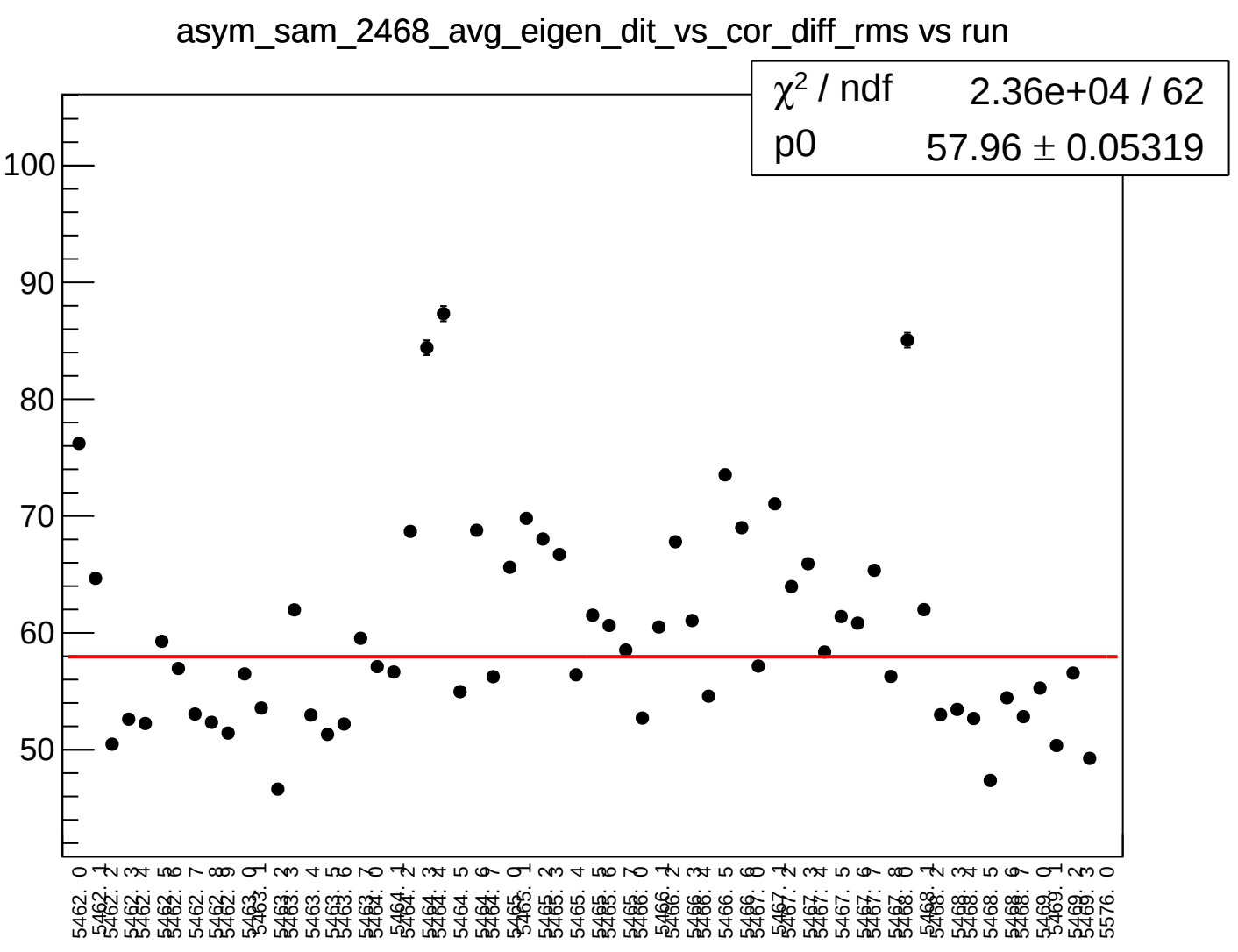

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.36e+04 / 62
p0 57.96 ± 0.0532
100
90
80
70
60
50

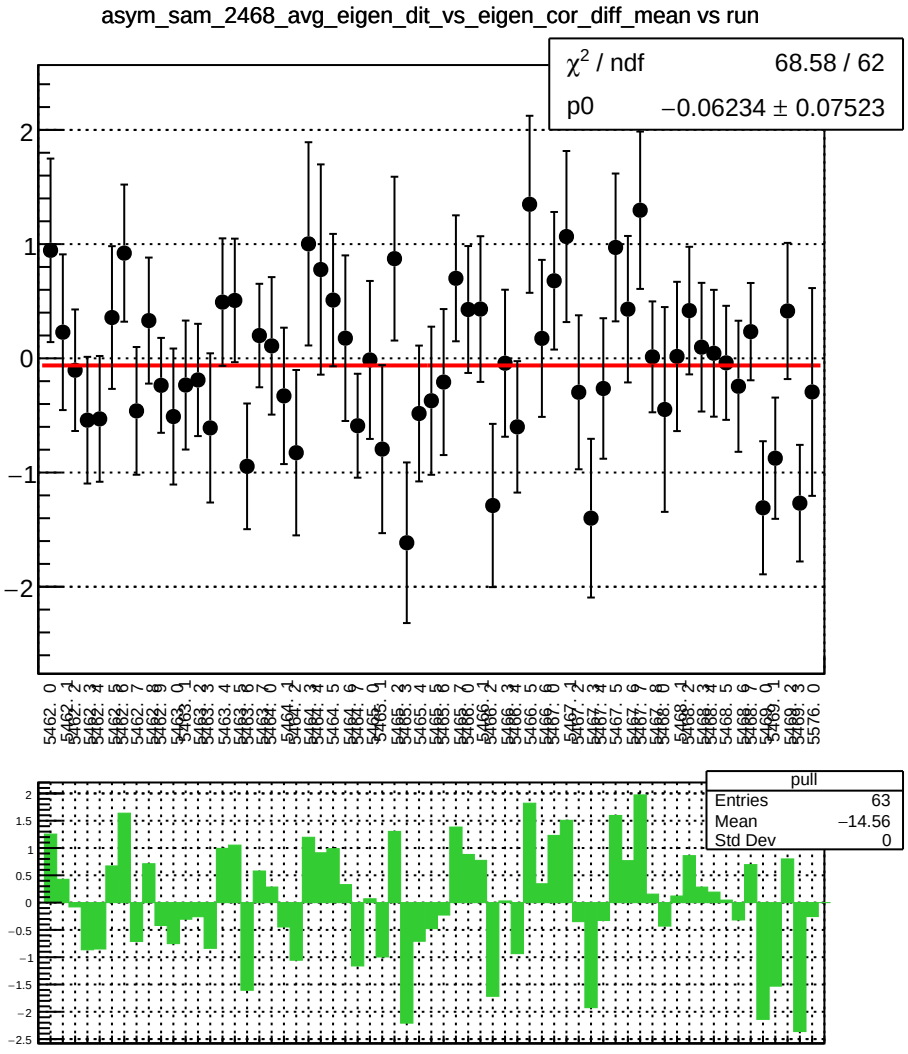

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.49 / 62
p0 −3.712e−06 ± 5.77e−06
pull
Entries 63
Mean −42.62
Std Dev 0

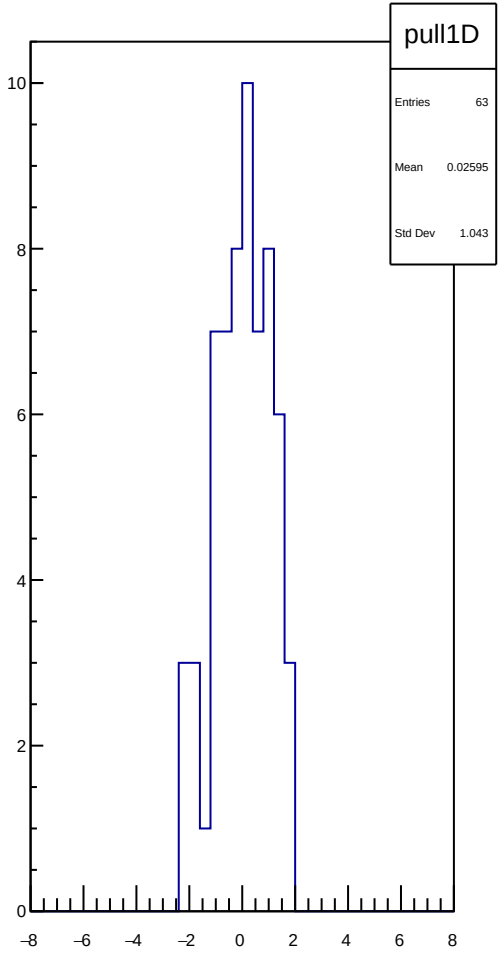

pull1D
Entries 63
Mean −0.01429
Std Dev 0.8862

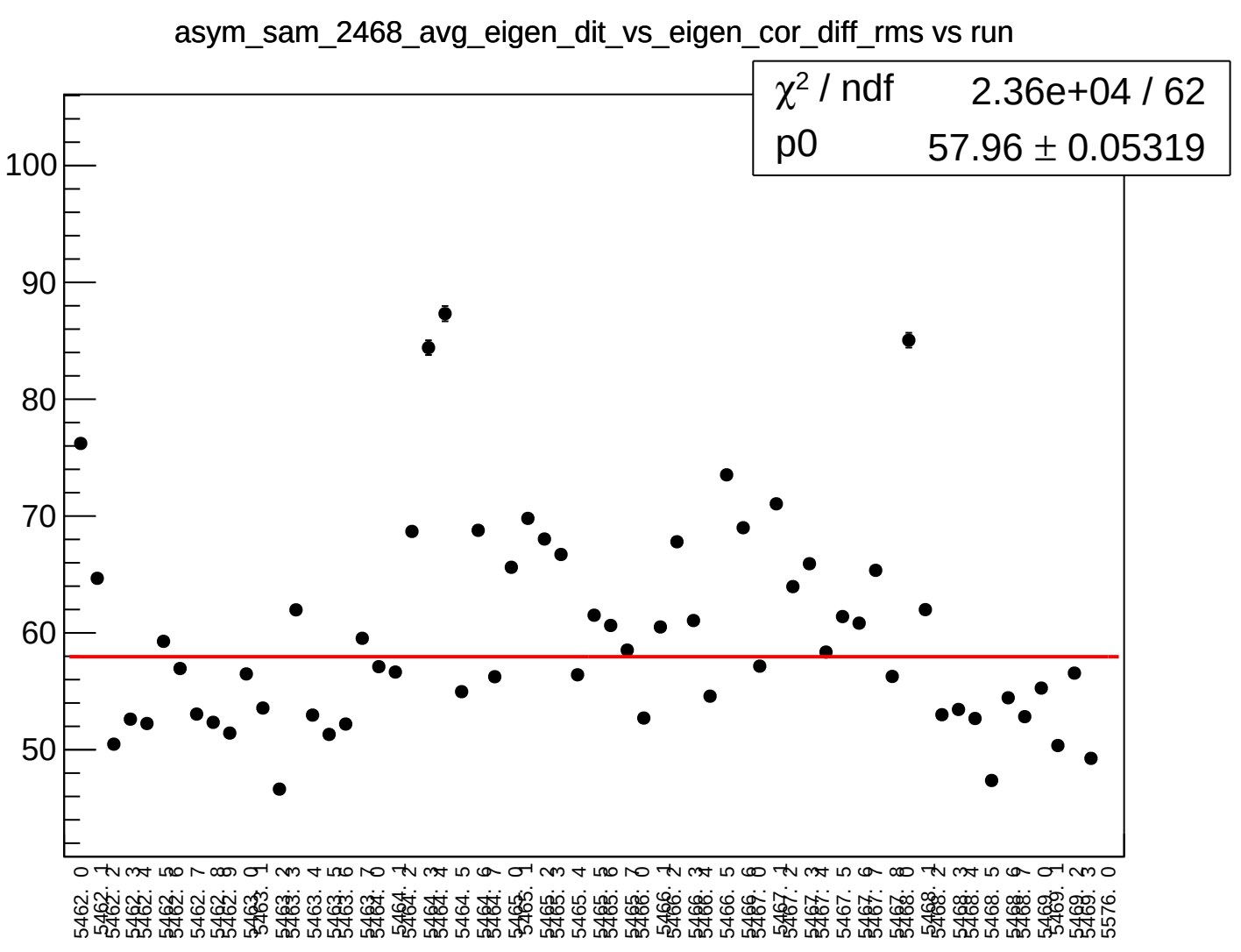

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 339.6 / 62
p0 0.004489 ± 4.08e–06
0.0047
0.00465
0.0046
0.00455
0.0045
0.00445
0.0044
0.00435
0.0043

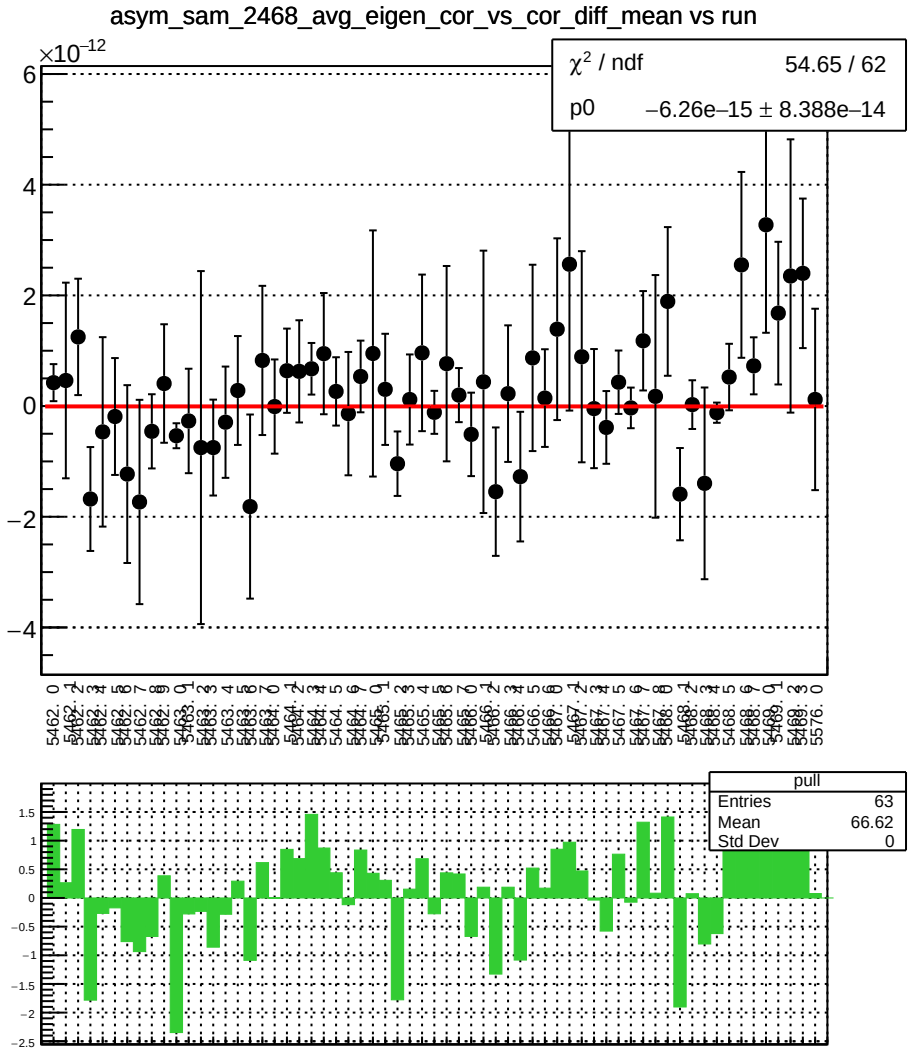

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.58 / 62
p0 −0.06234 ± 0.07523
pull
Entries 63
Mean −14.56
Std Dev 0
pull1D
Entries 63
Mean 0.02595
Std Dev 1.043

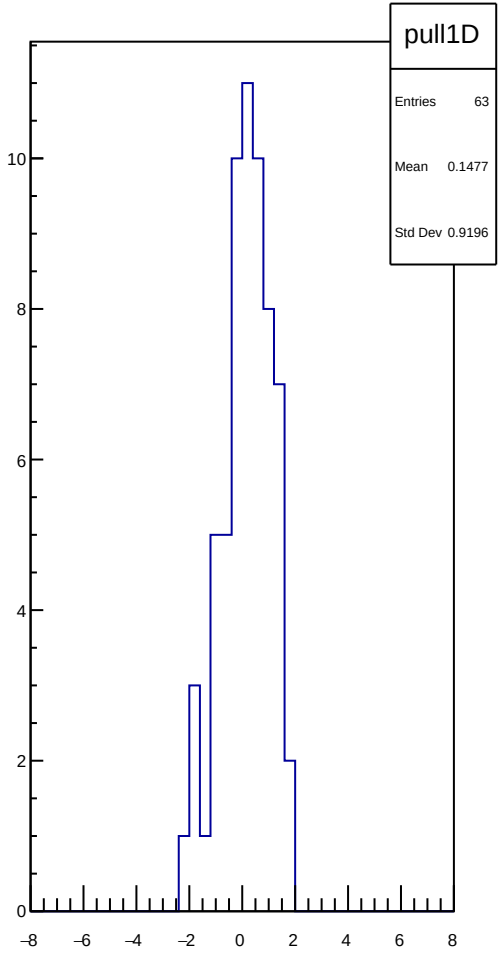

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.36e+04 / 62
p0 57.96 ± 0.05319
100
90
80
70
60
50

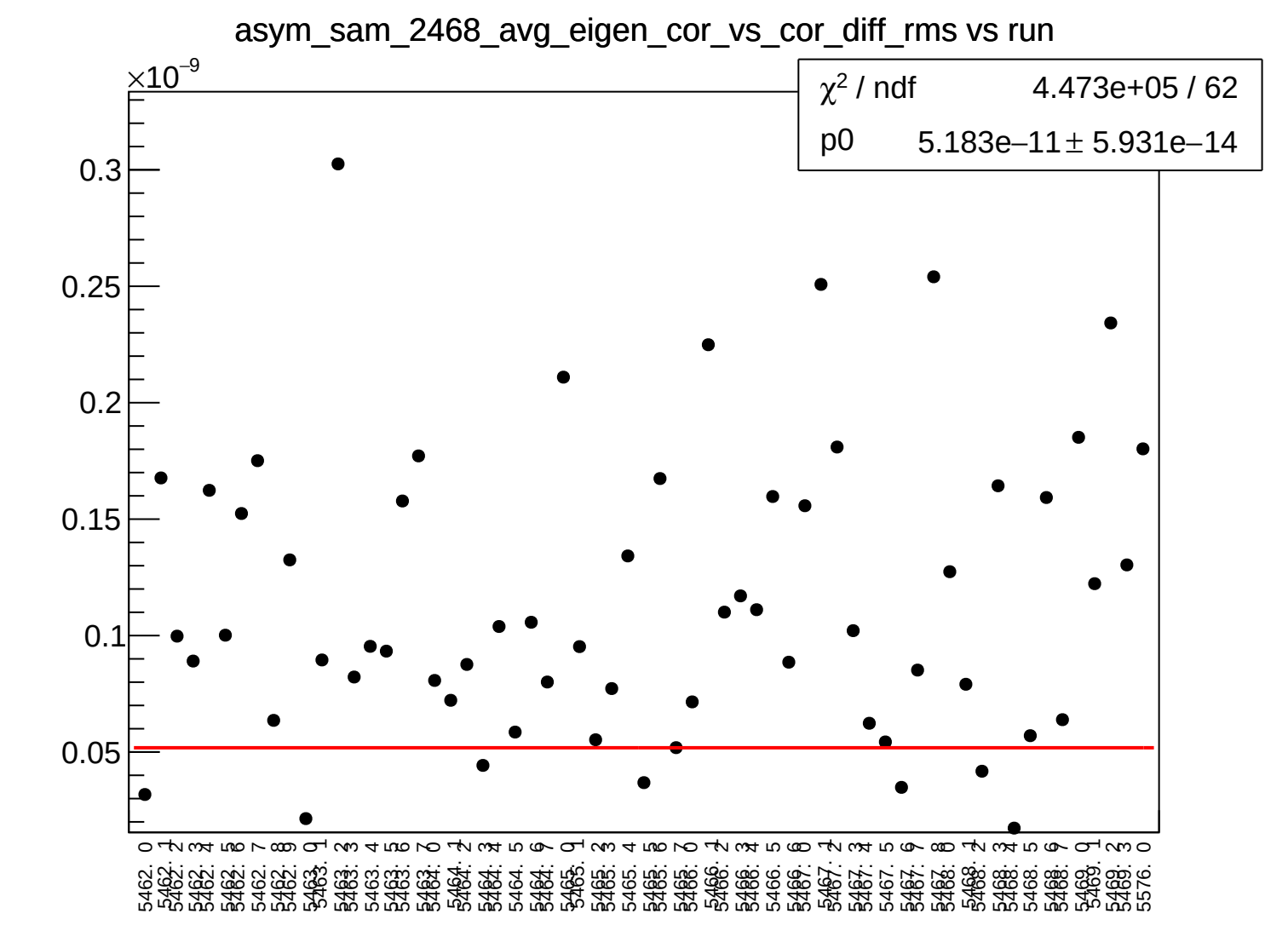

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.58 / 62
p0 −0.06234 ± 0.07523
pull
Entries 63
Mean −14.56
Std Dev 0

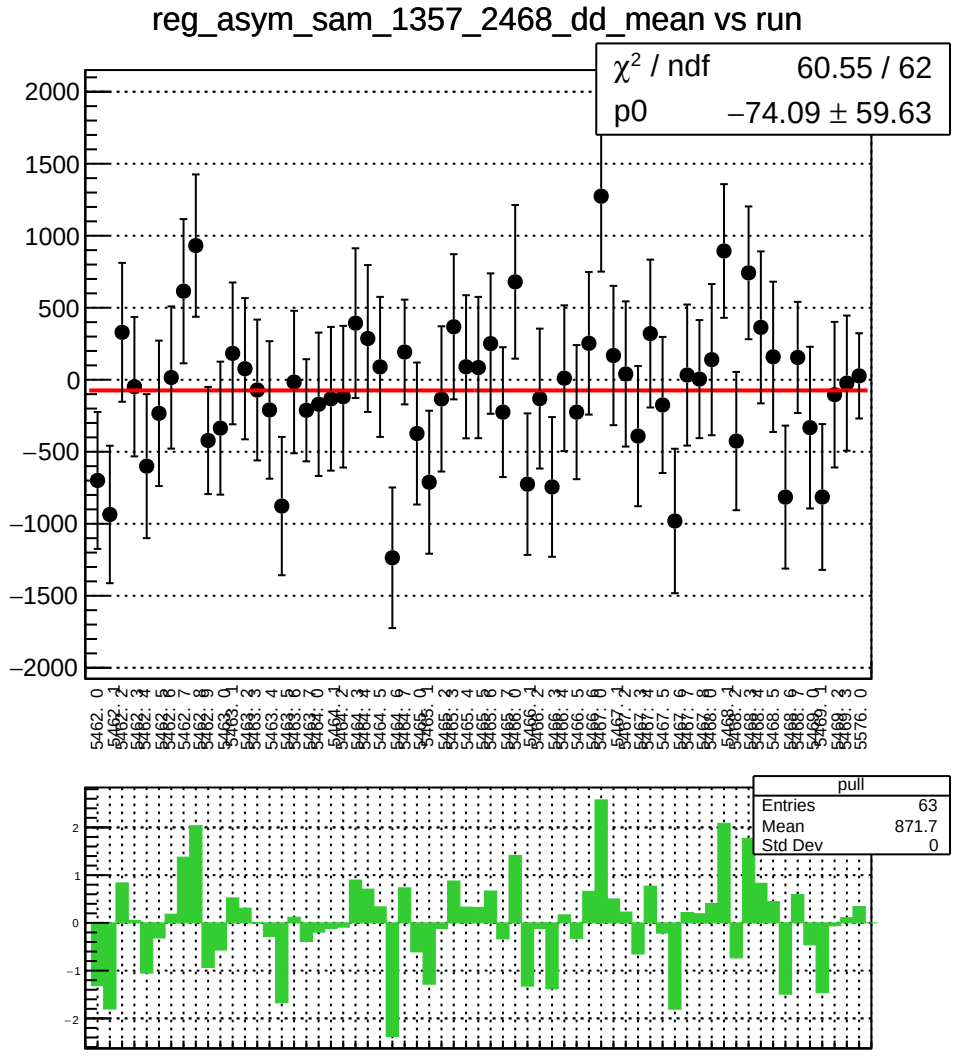

pull1D
Entries 63
Mean 0.02595
Std Dev 1.043

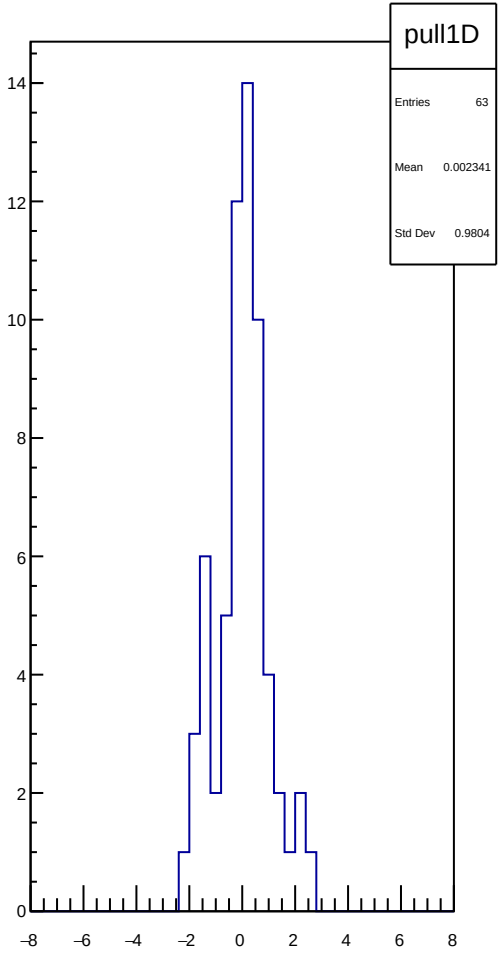

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.36e+04 / 62
p0 57.96 ± 0.05319
100
90
80
70
60
50

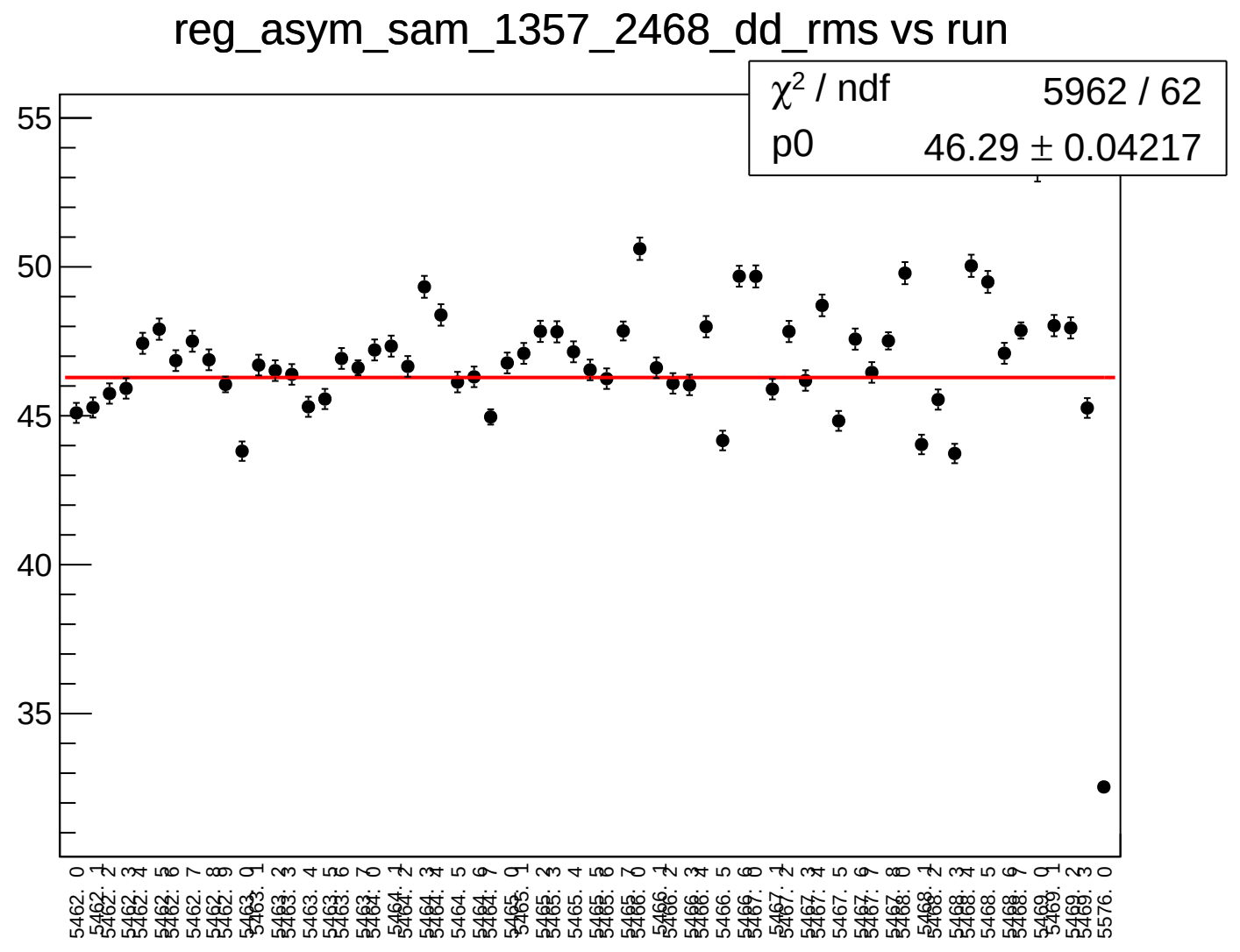

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.65 / 62
p0 −6.26e−15 ± 8.388e−14
pull
Entries 63
Mean 66.62
Std Dev 0

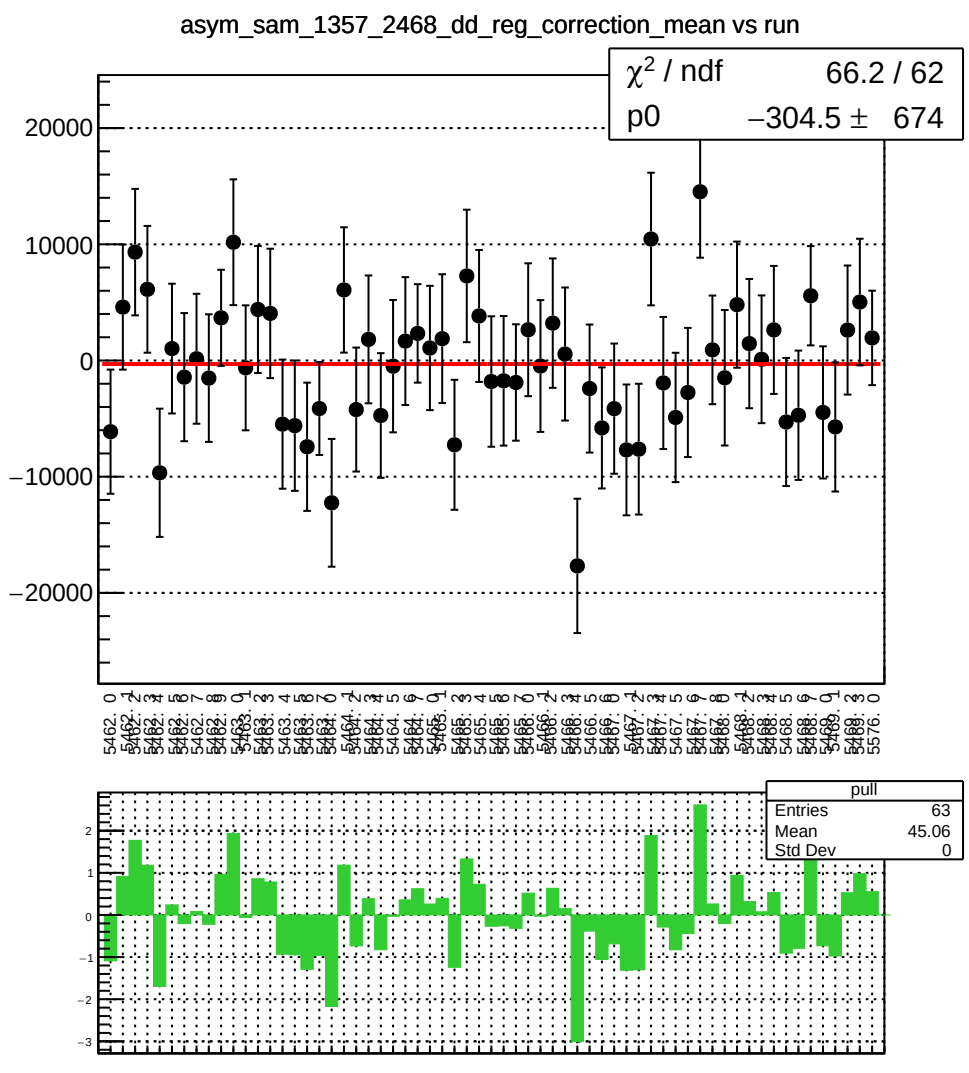

pull1D
Entries 63
Mean 0.1477
Std Dev 0.9196

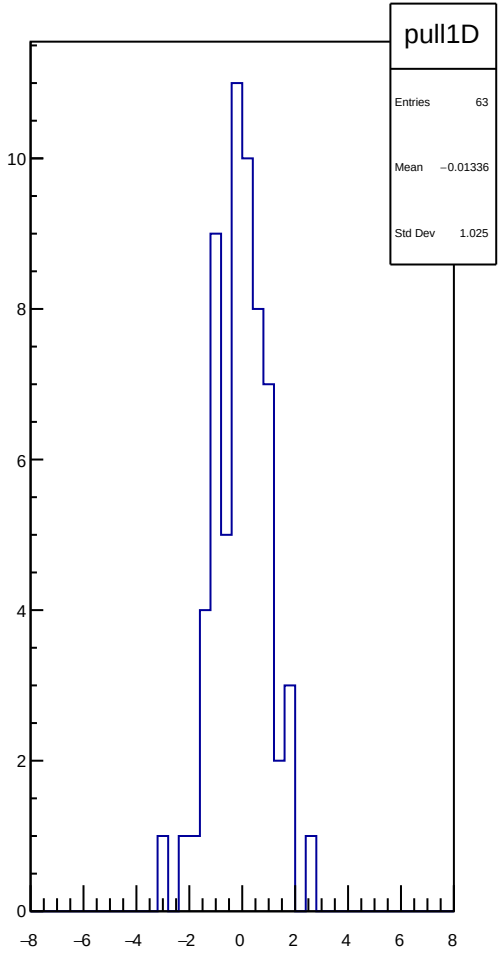

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.473e+05 / 62
p0 5.183e−11 ± 5.931e−14
0.3
0.25
0.2
0.15
0.1
0.05

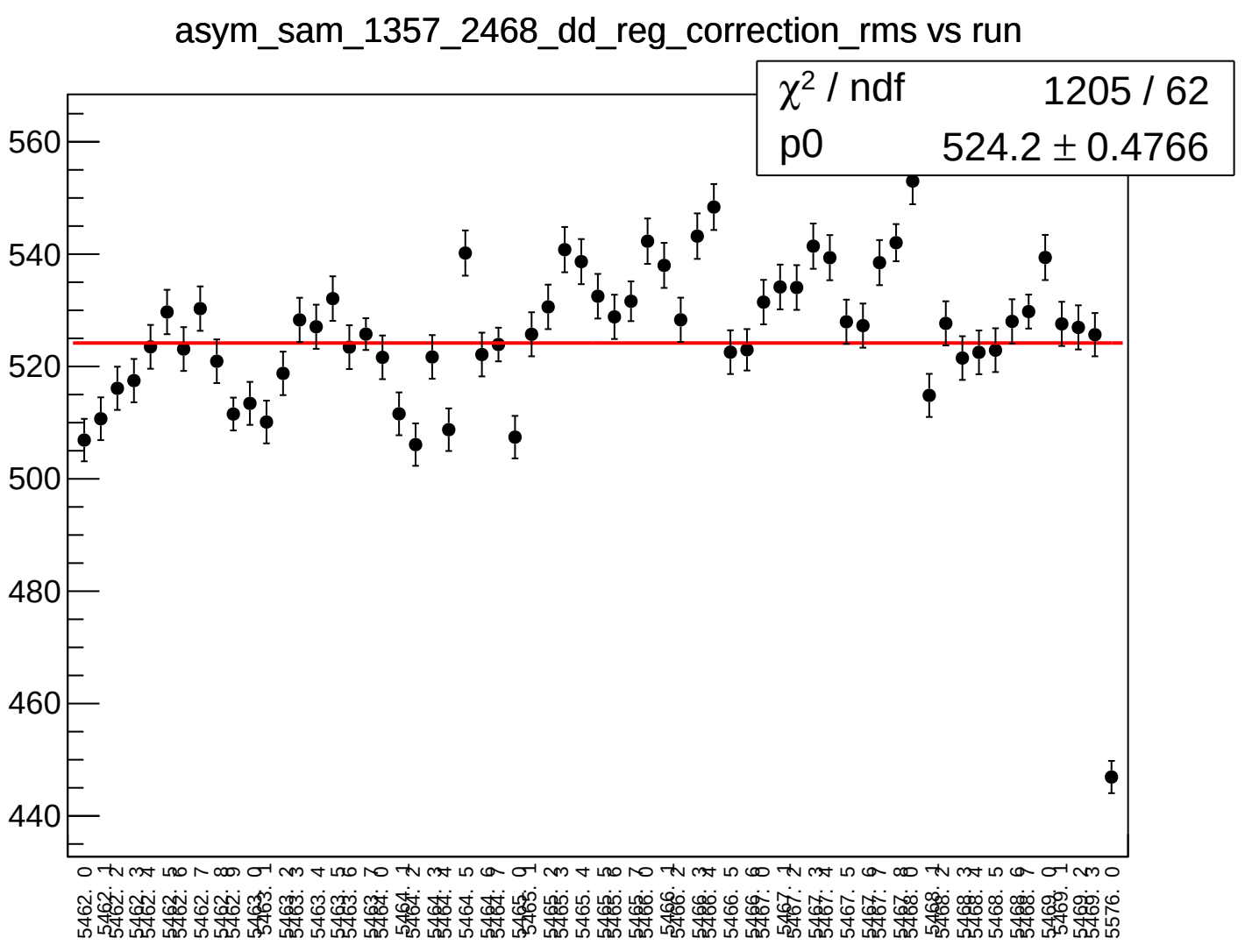

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 60.55 / 62
p0 −74.09 ± 59.63
pull
Entries 63
Mean 871.7
Std Dev 0

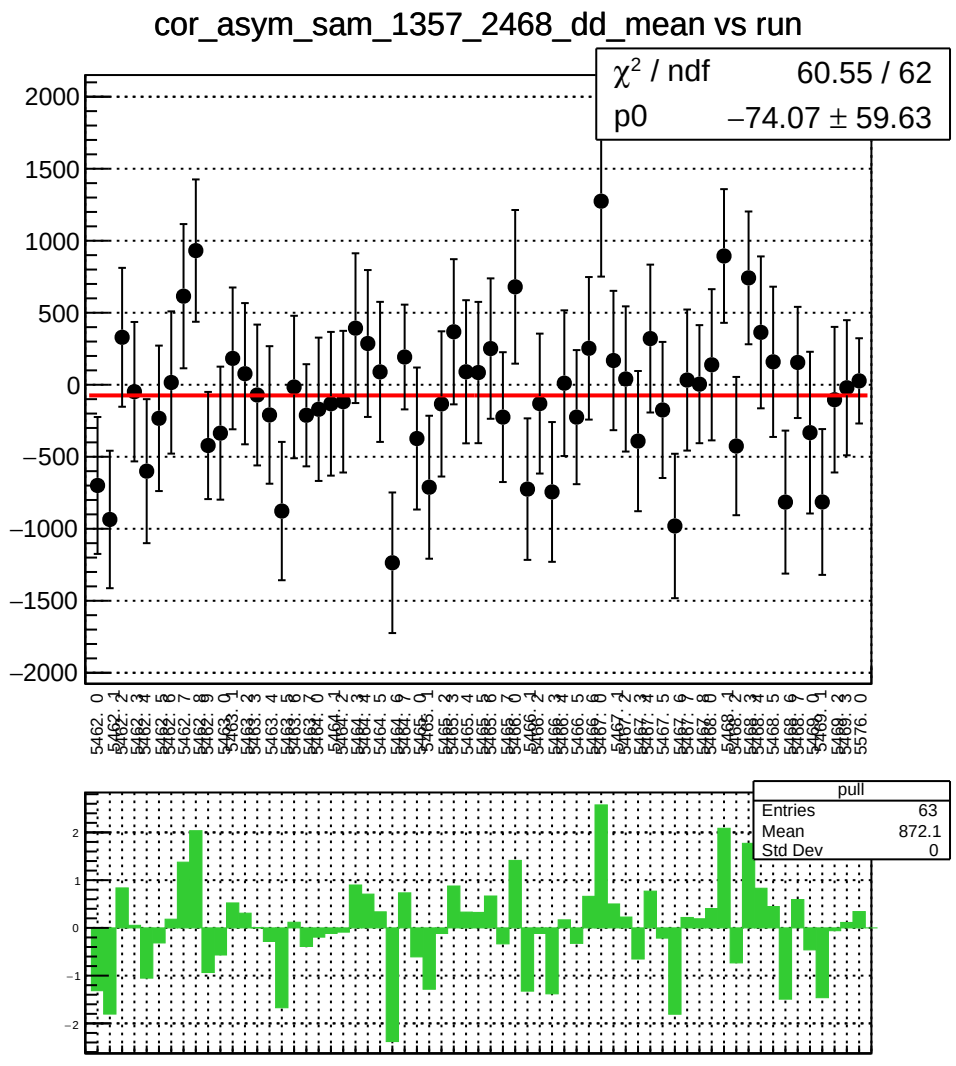

pull1D
Entries 63
Mean 0.002341
Std Dev 0.9804

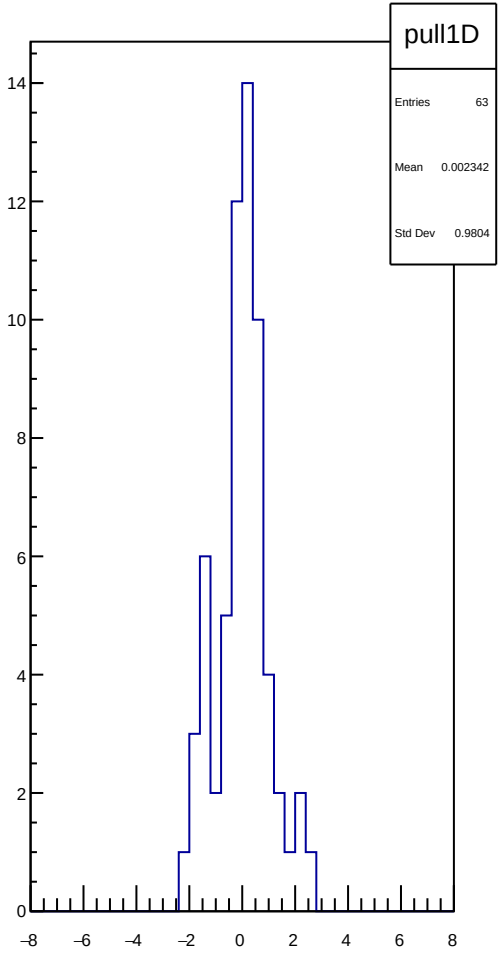

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5962 / 62
p0 46.29 ± 0.04217
55
50
45
40
35

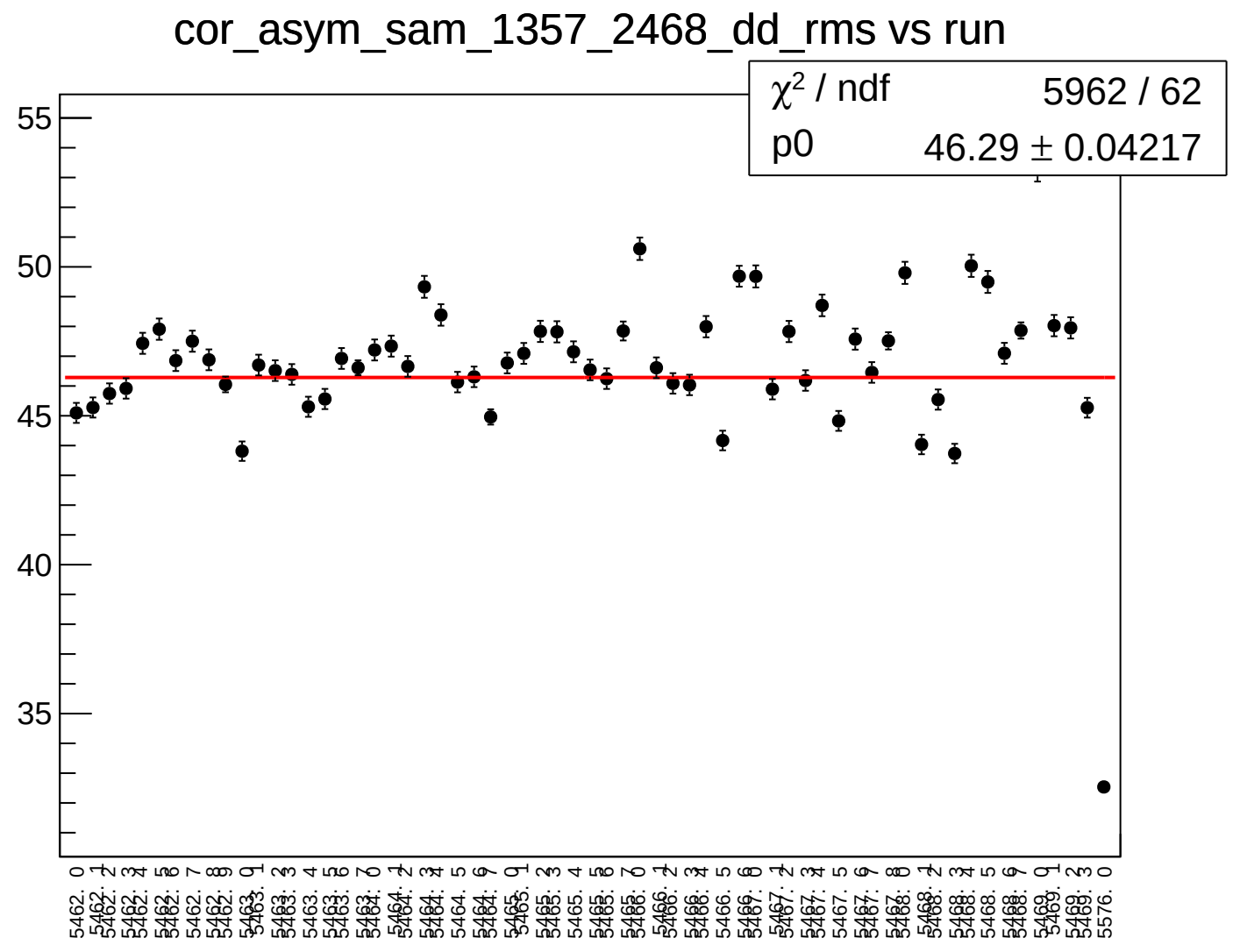

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 66.2 / 62
p0 −304.5 ± 674
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 45.06
Std Dev 0
2
1
0
−1
−2
−3

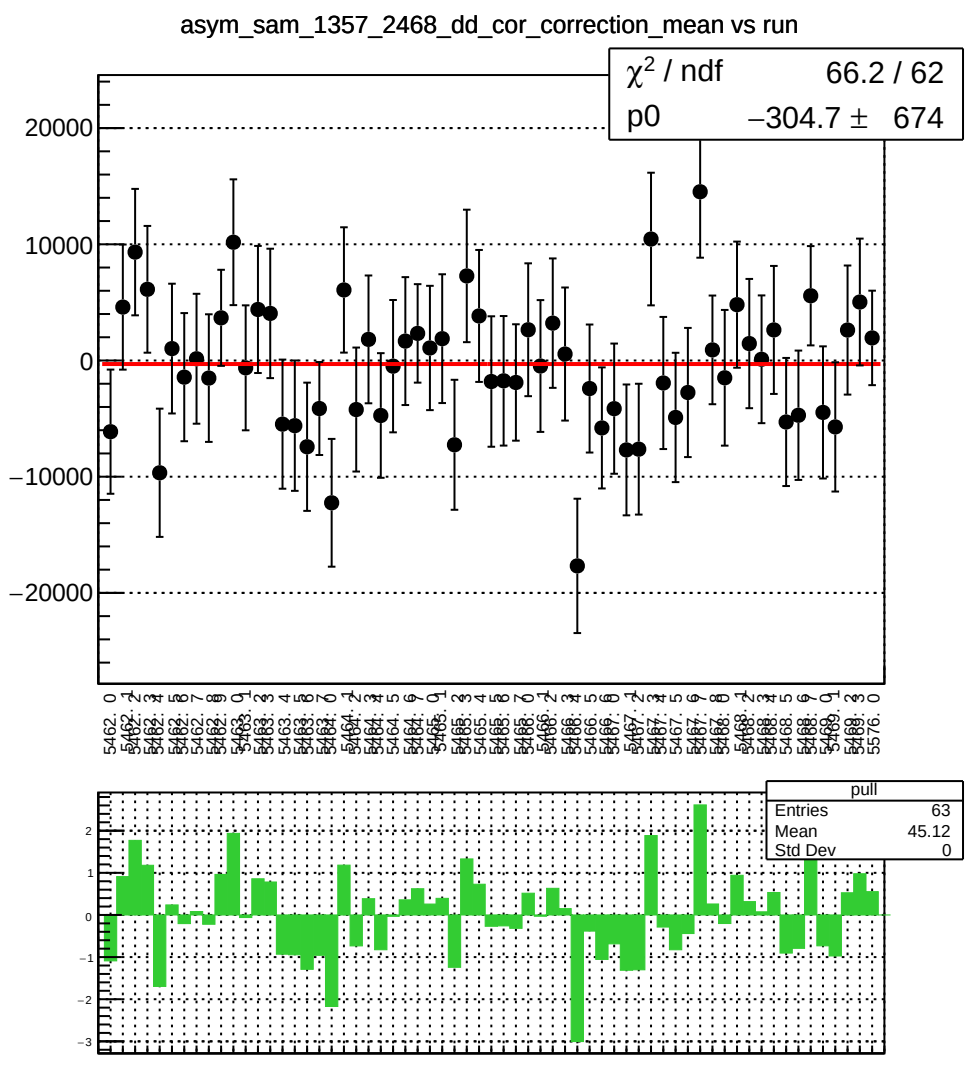

pull1D
Entries 63
Mean −0.01336
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

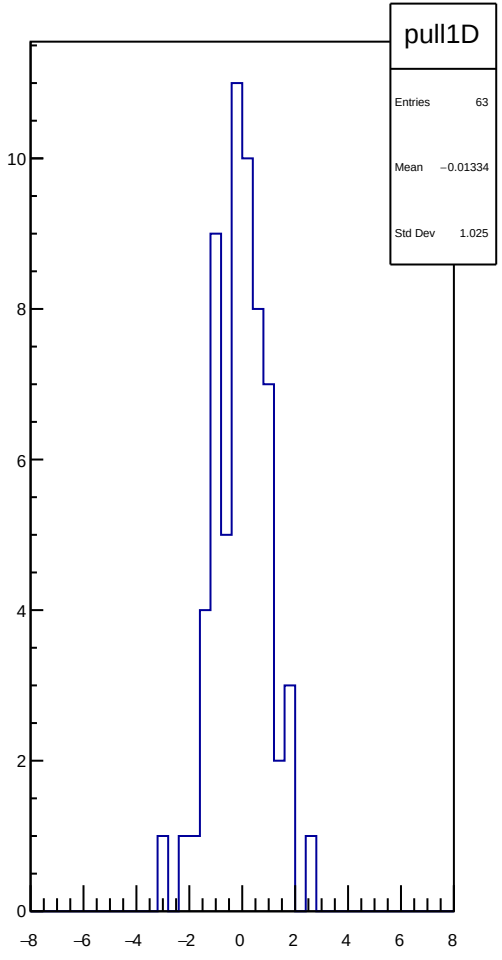

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1205 / 62
p0 524.2 ± 0.4766
560
540
520
500
480
460
440

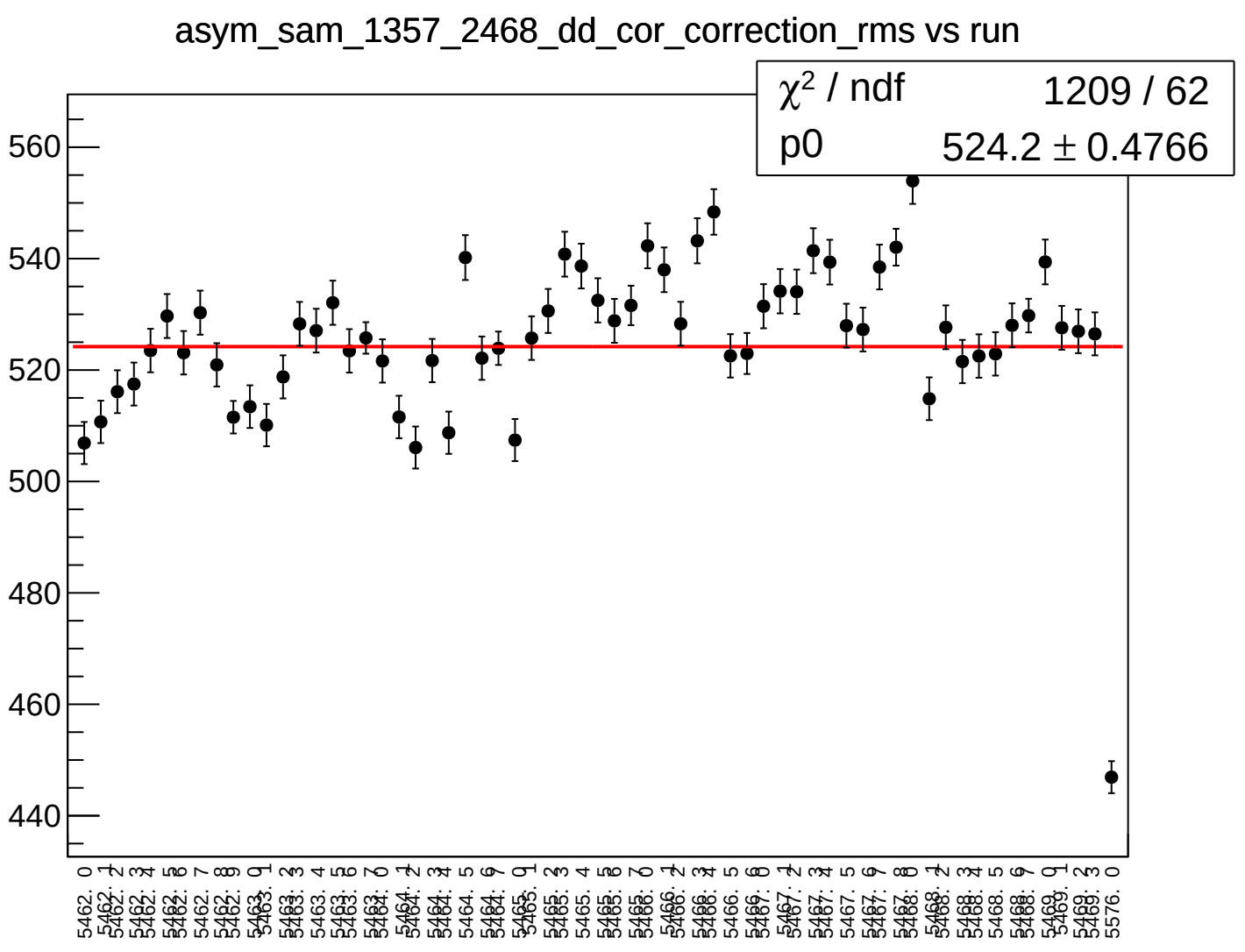

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.55 / 62
p0 −74.07 ± 59.63
pull
Entries 63
Mean 872.1
Std Dev 0

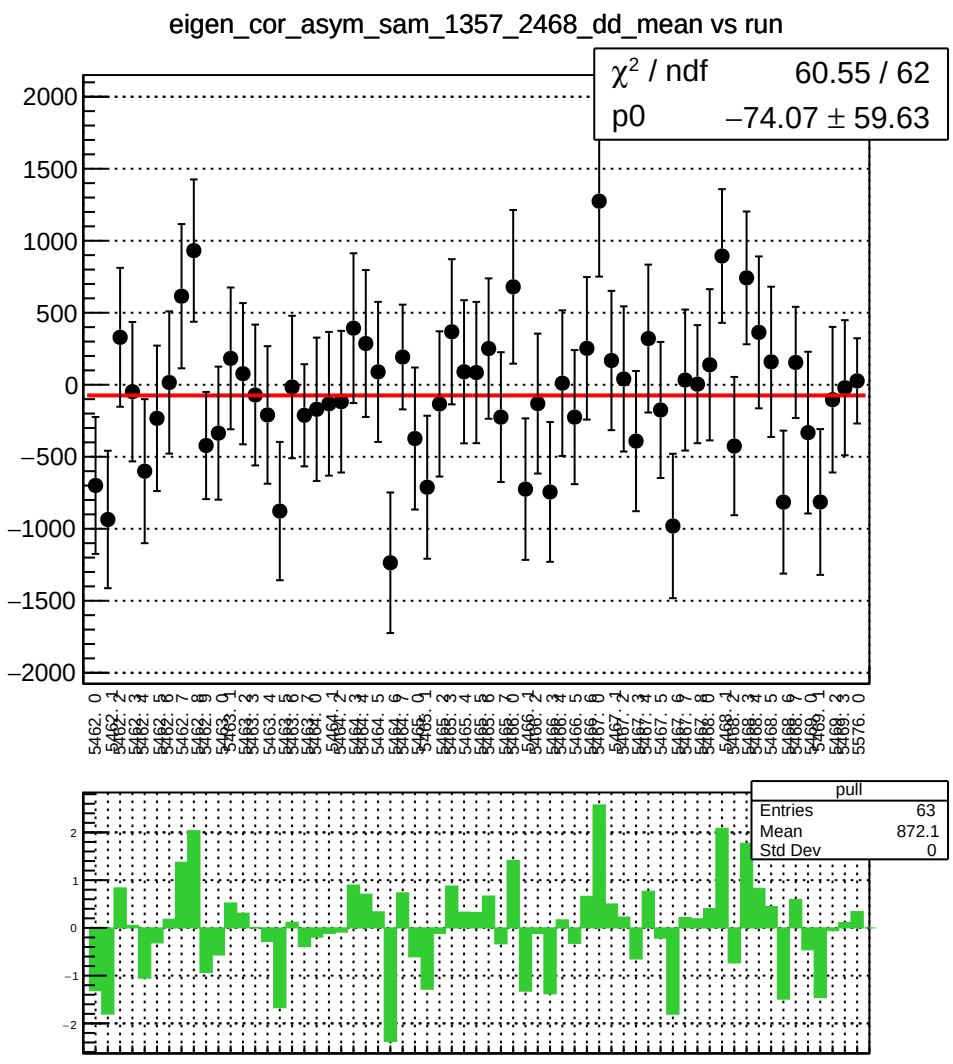

pull1D
Entries 63
Mean 0.002342
Std Dev 0.9804

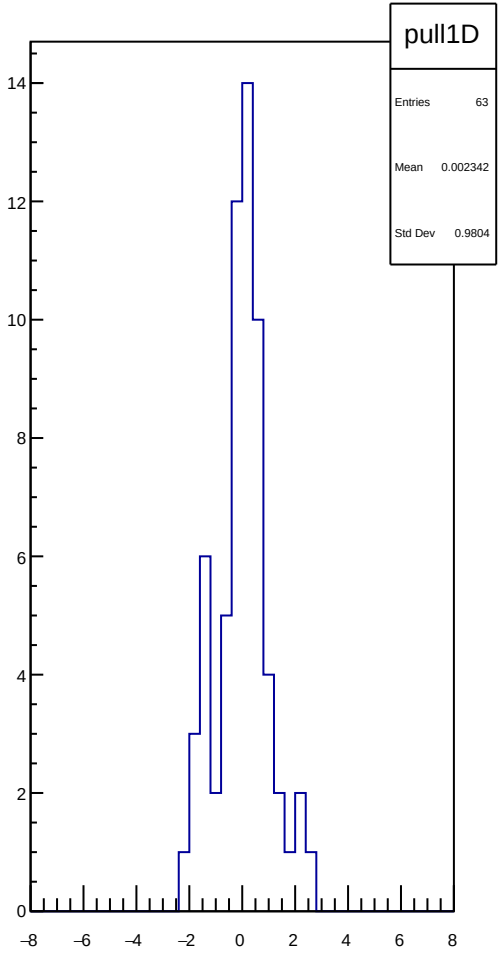

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5962 / 62
p0 46.29 ± 0.04217
55
50
45
40
35
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

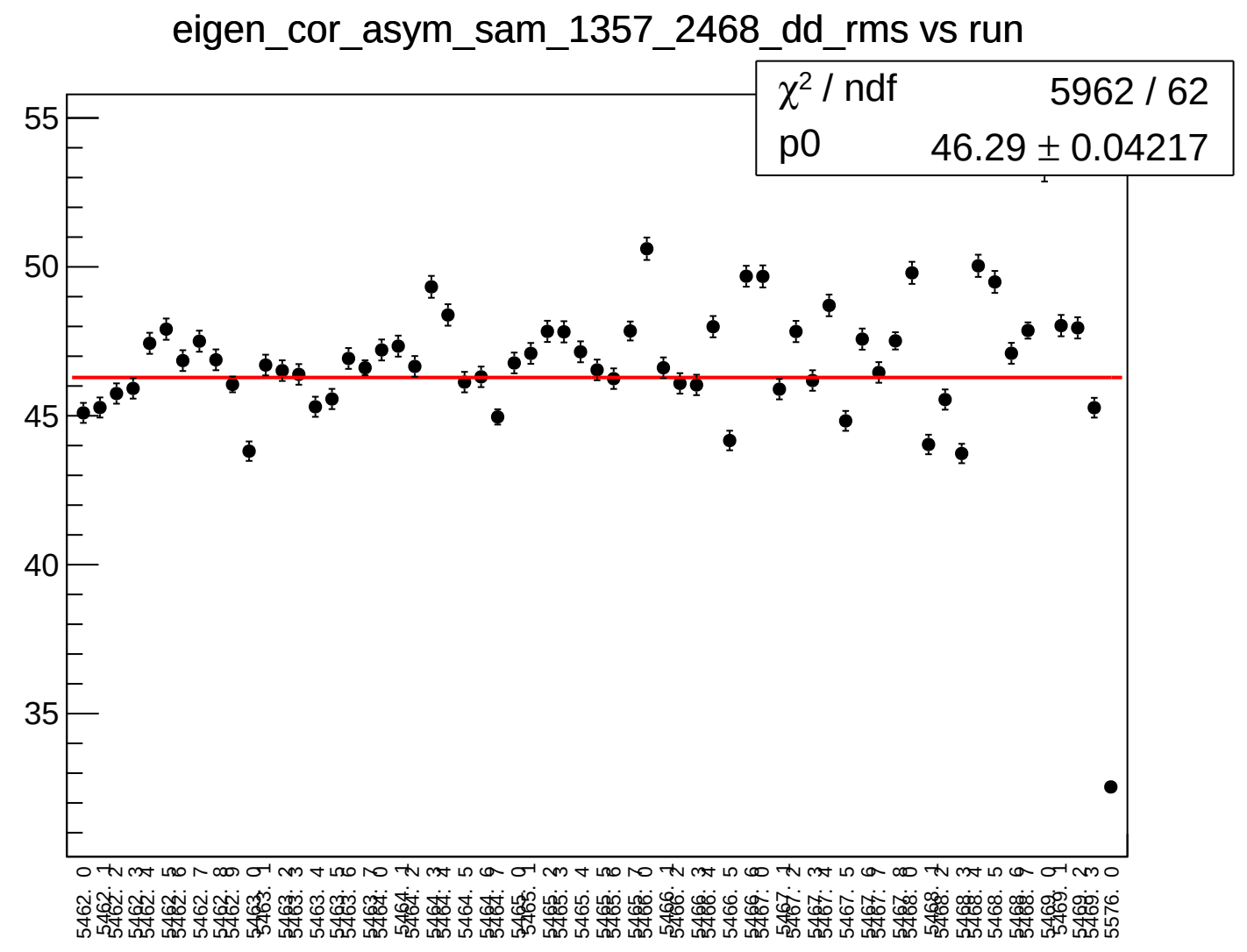

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 66.2 / 62
p0 −304.7 ± 674
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 45.12
Std Dev 0
2
1
0
−1
−2
−3

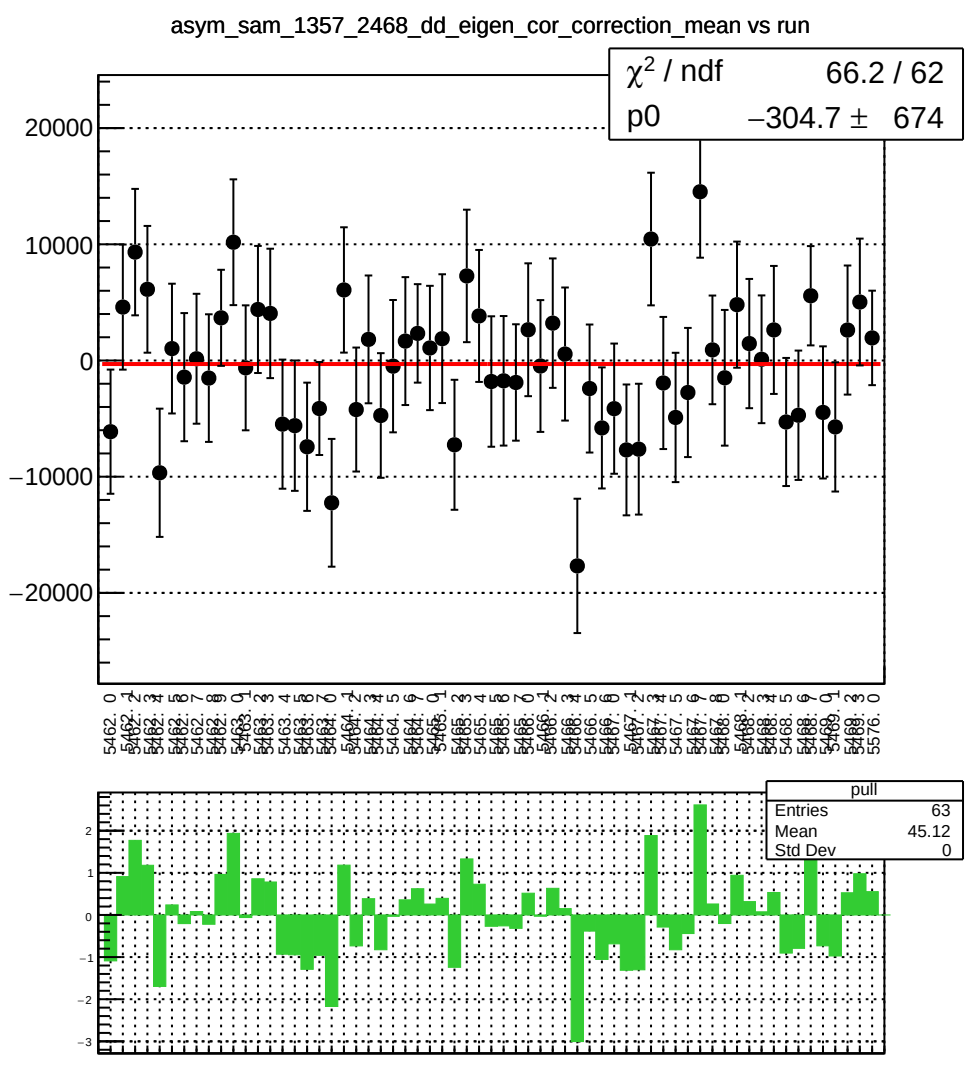

pull1D
Entries 63
Mean −0.01334
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

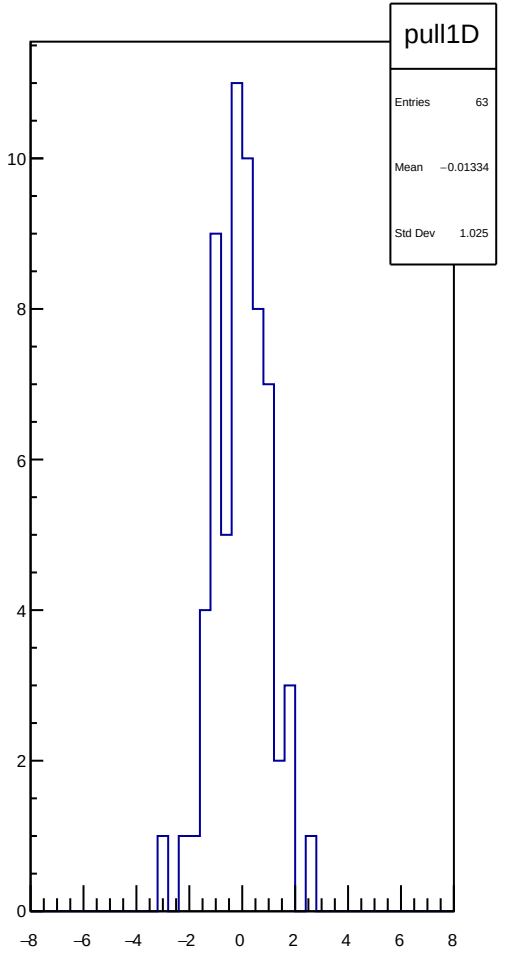

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1209 / 62
p0 524.2 ± 0.4766
560
540
520
500
480
460
440

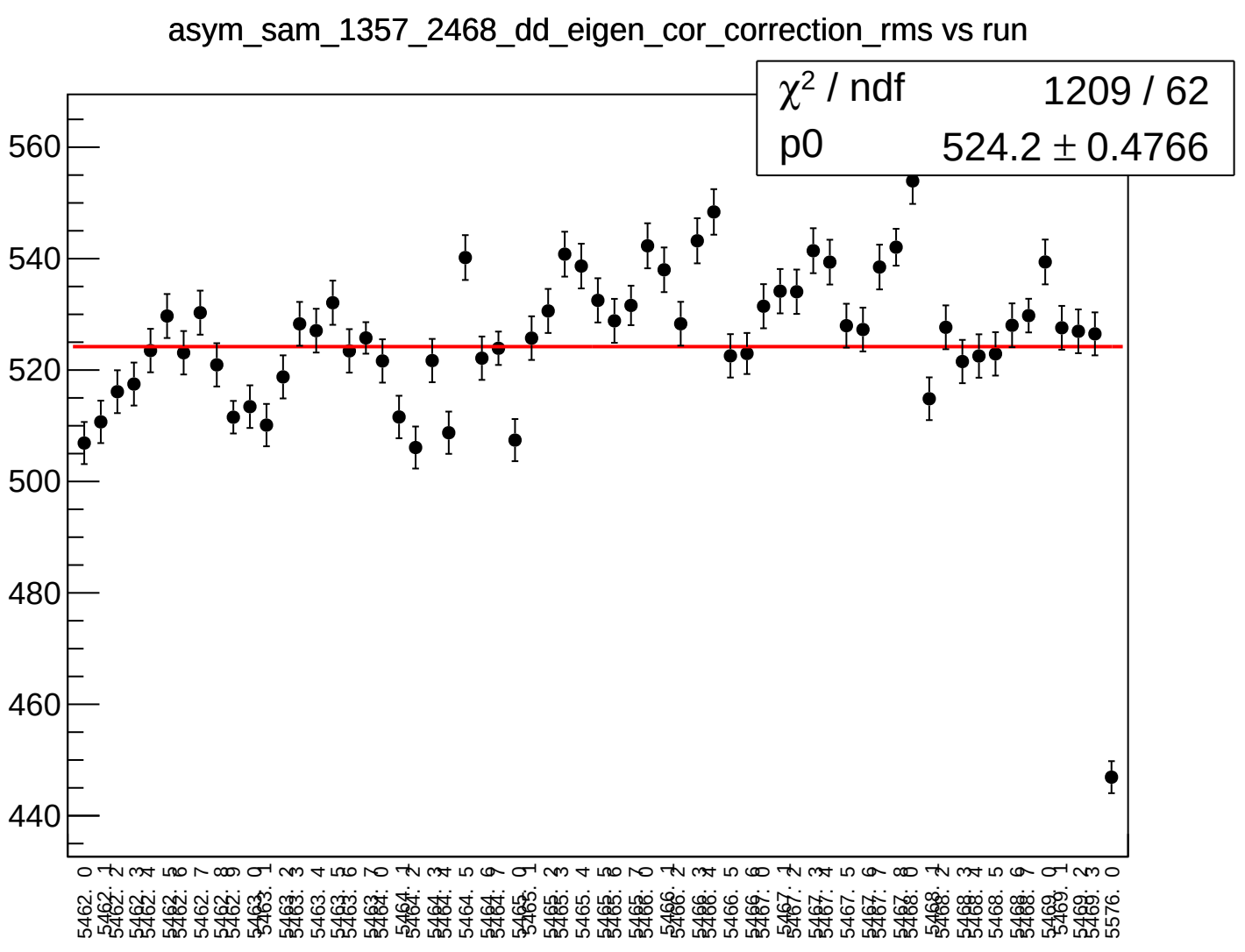

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.55 / 62
p0 −74.07 ± 59.63
pull
Entries 63
Mean 872.1
Std Dev 0

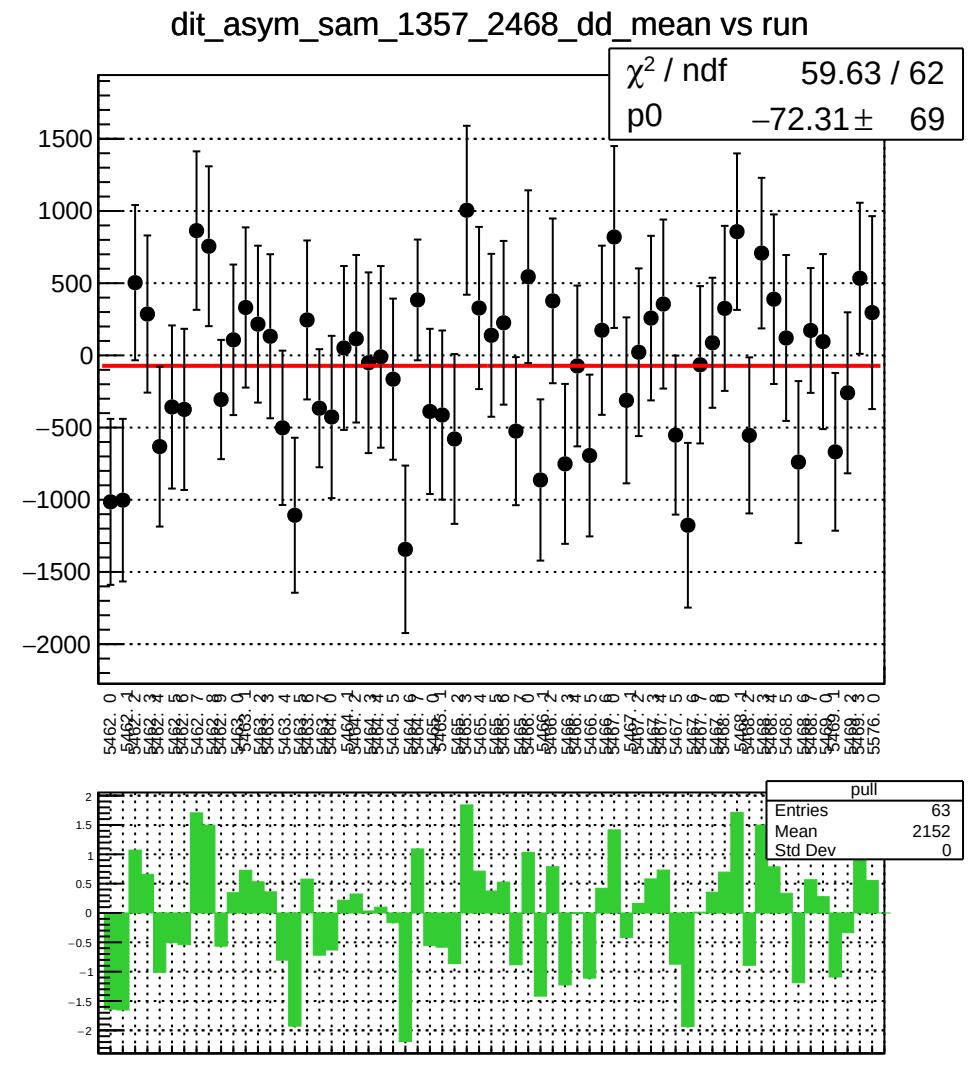

pull1D
Entries 63
Mean 0.002342
Std Dev 0.9804

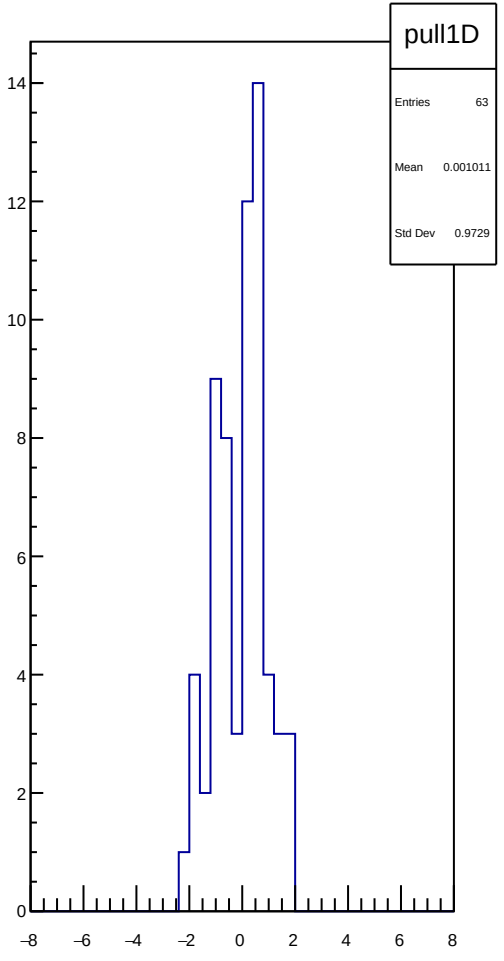

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5962 / 62
p0 46.29 ± 0.04217
55
50
45
40
35

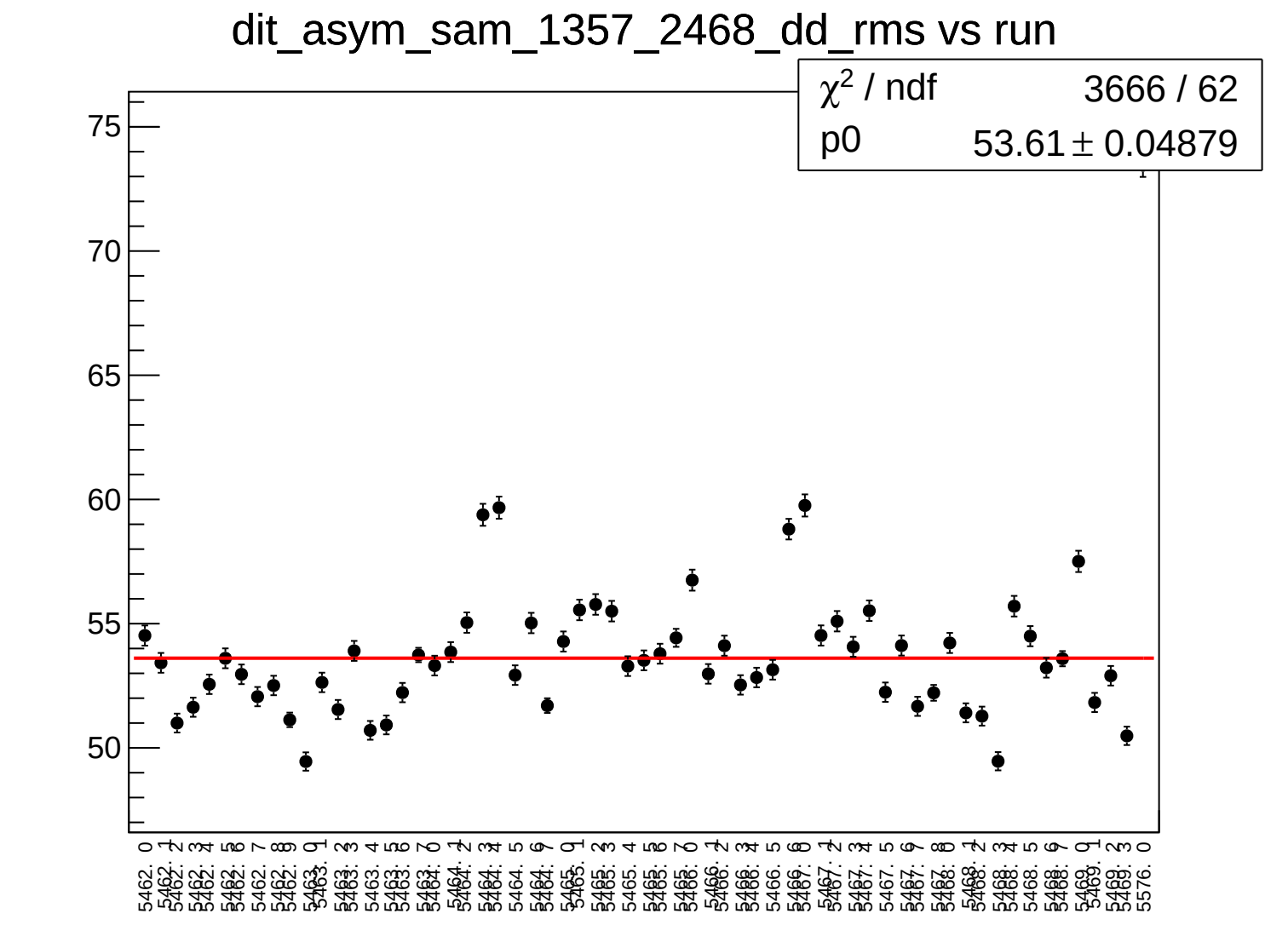

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.2 / 62
p0 −304.7 ± 674
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 45.12
Std Dev 0
2
1
0
−1
−2
−3

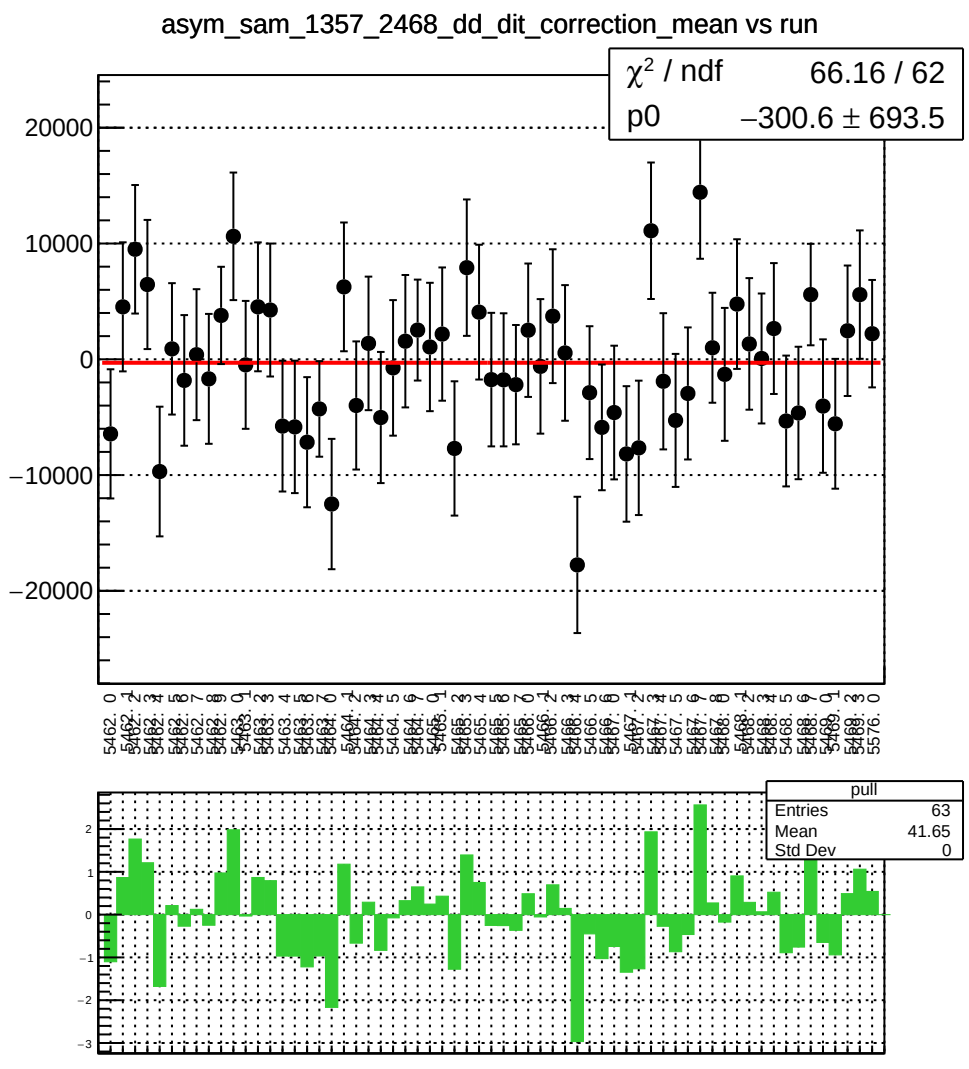

pull1D
Entries 63
Mean −0.01334
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

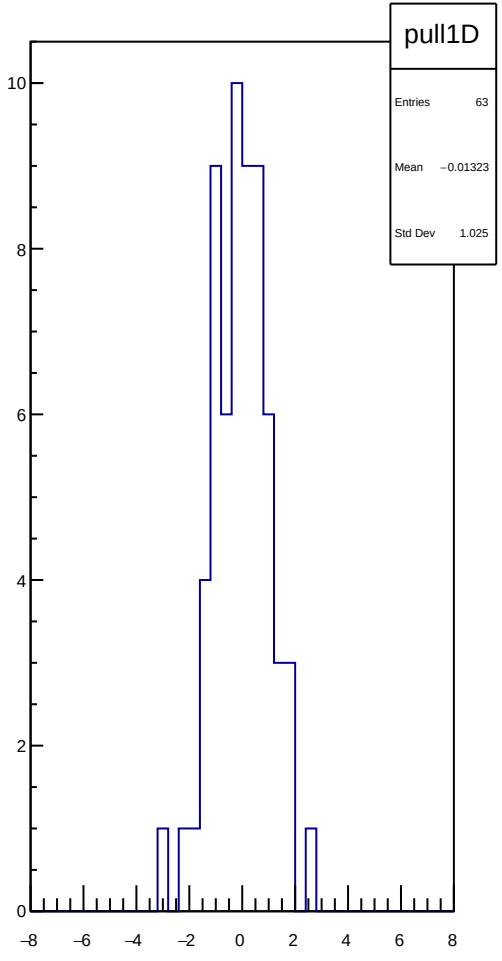

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1209 / 62
p0 524.2 ± 0.4766
560
540
520
500
480
460
440

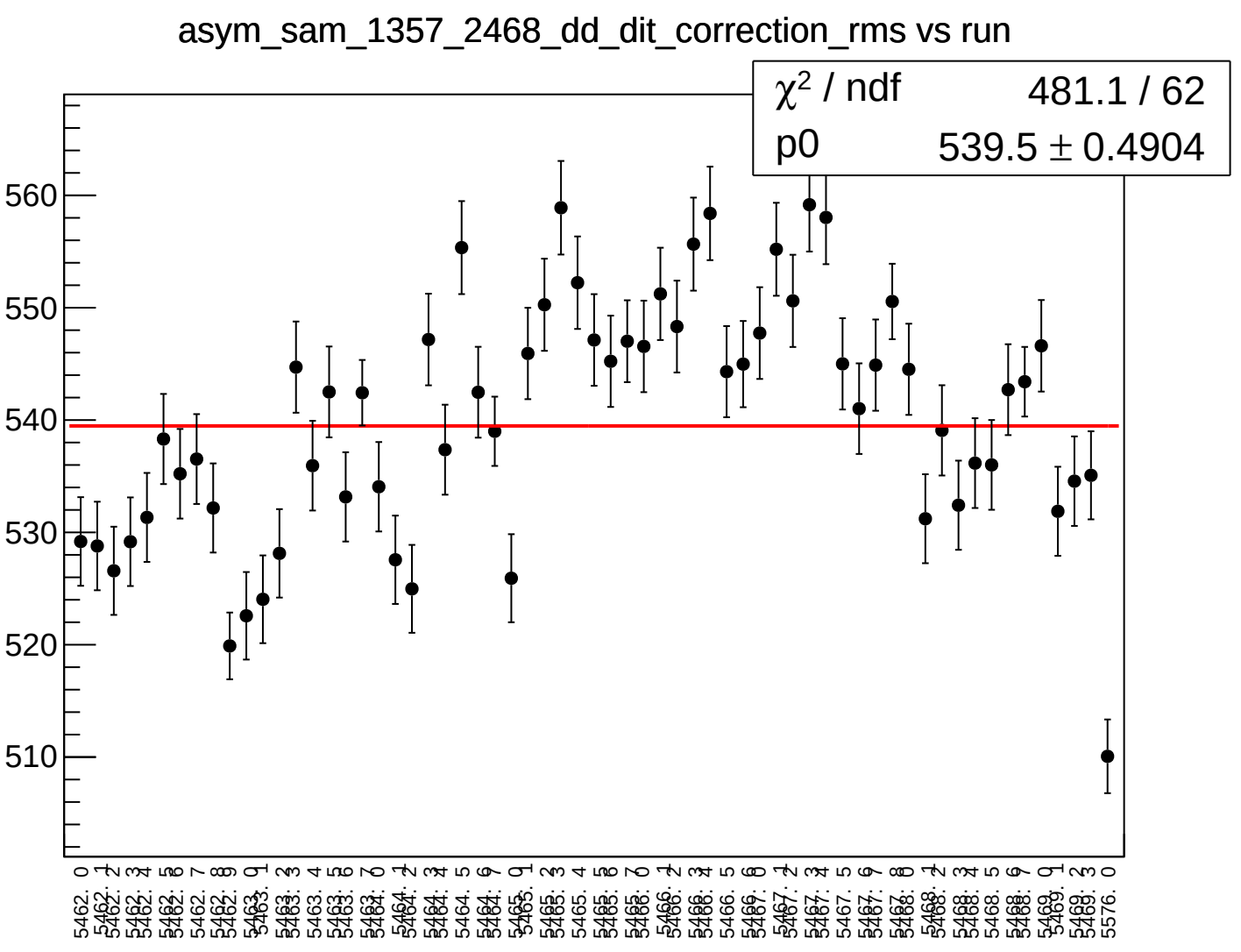

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 59.63 / 62
p0 −72.31 ± 69
pull
Entries 63
Mean 2152
Std Dev 0

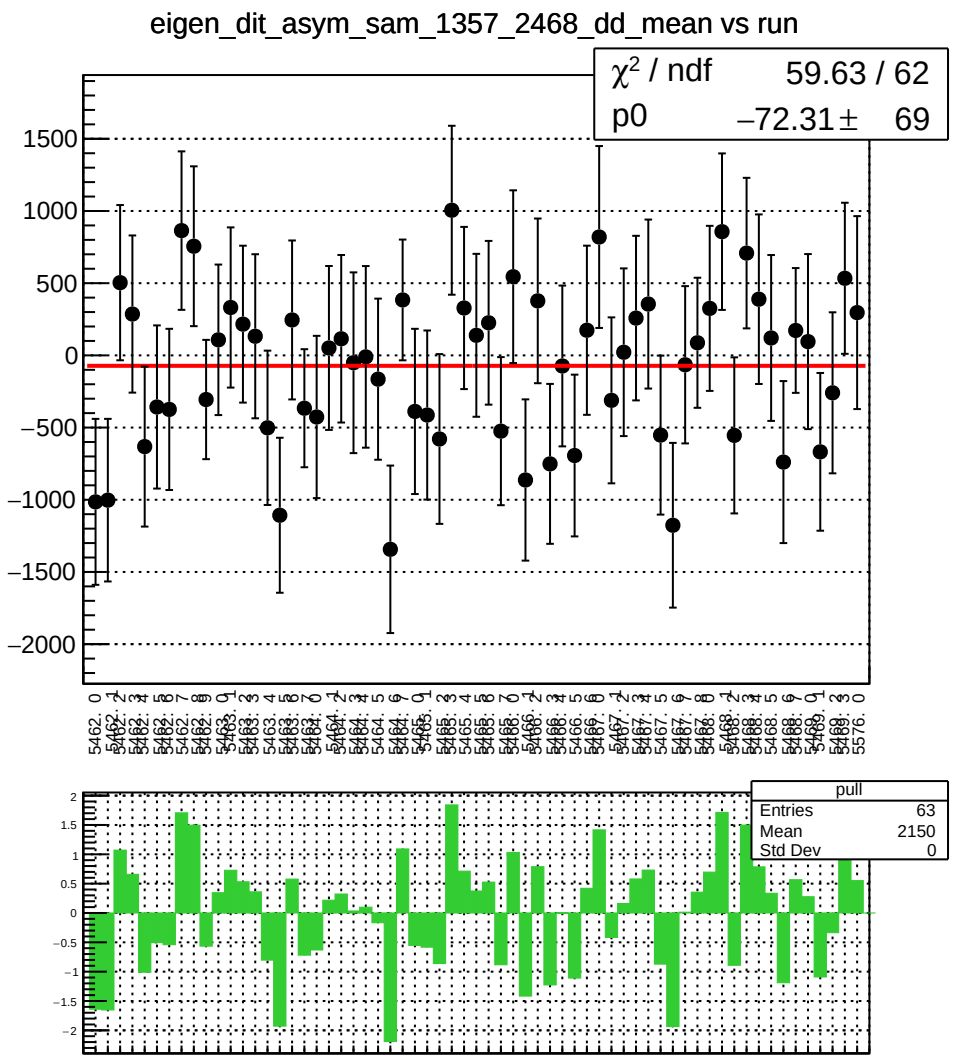

pull1D
Entries 63
Mean 0.001011
Std Dev 0.9729

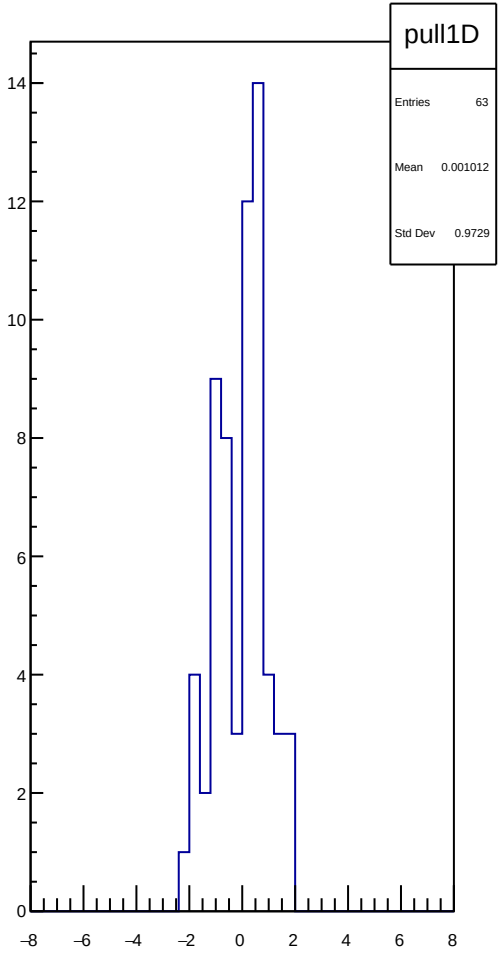

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3666 / 62
p0 53.61 ± 0.04879
75
70
65
60
55
50

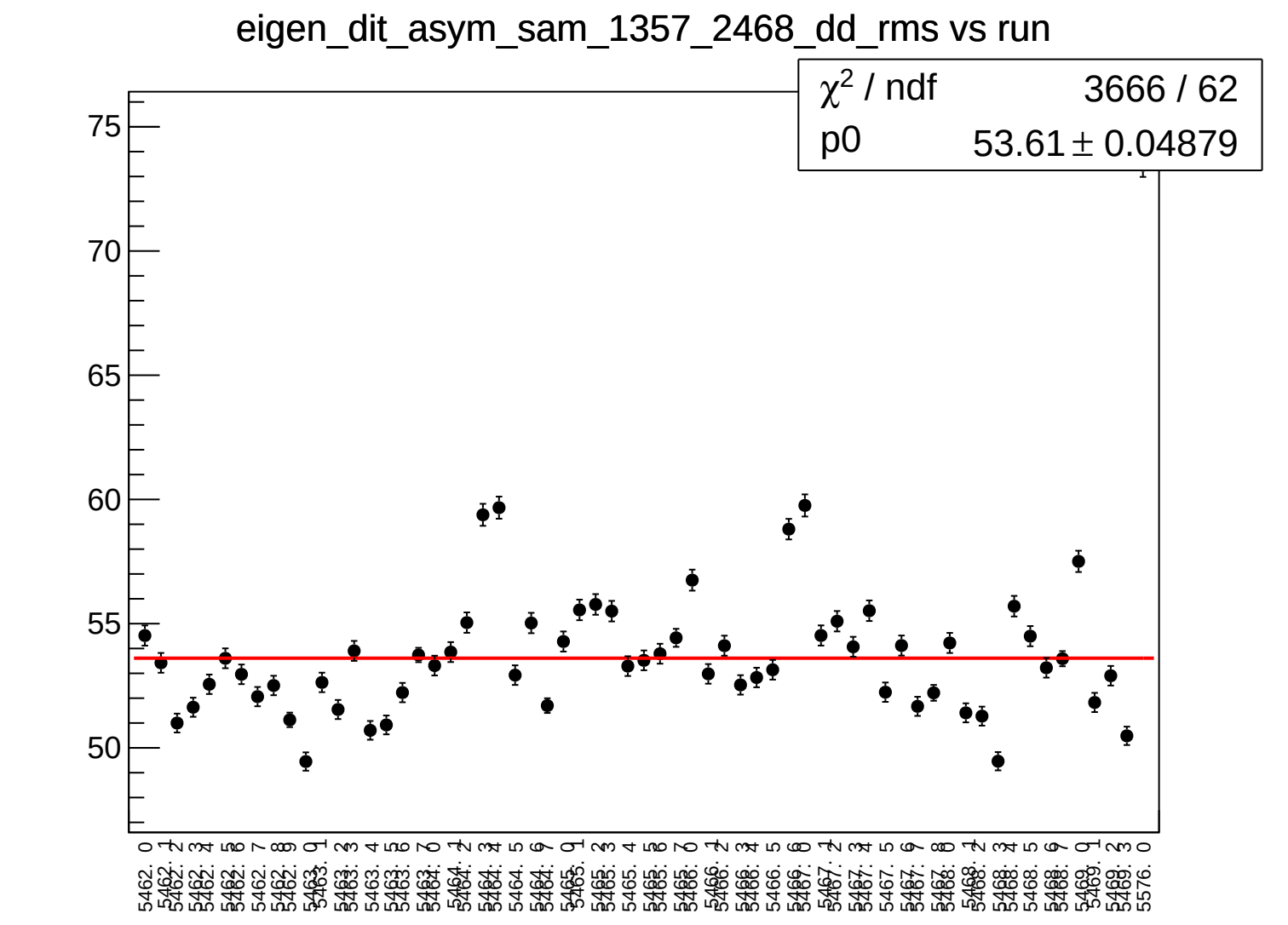

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 66.16 / 62
p0 −300.6 ± 693.5
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 41.65
Std Dev 0
2
1
0
−1
−2
−3

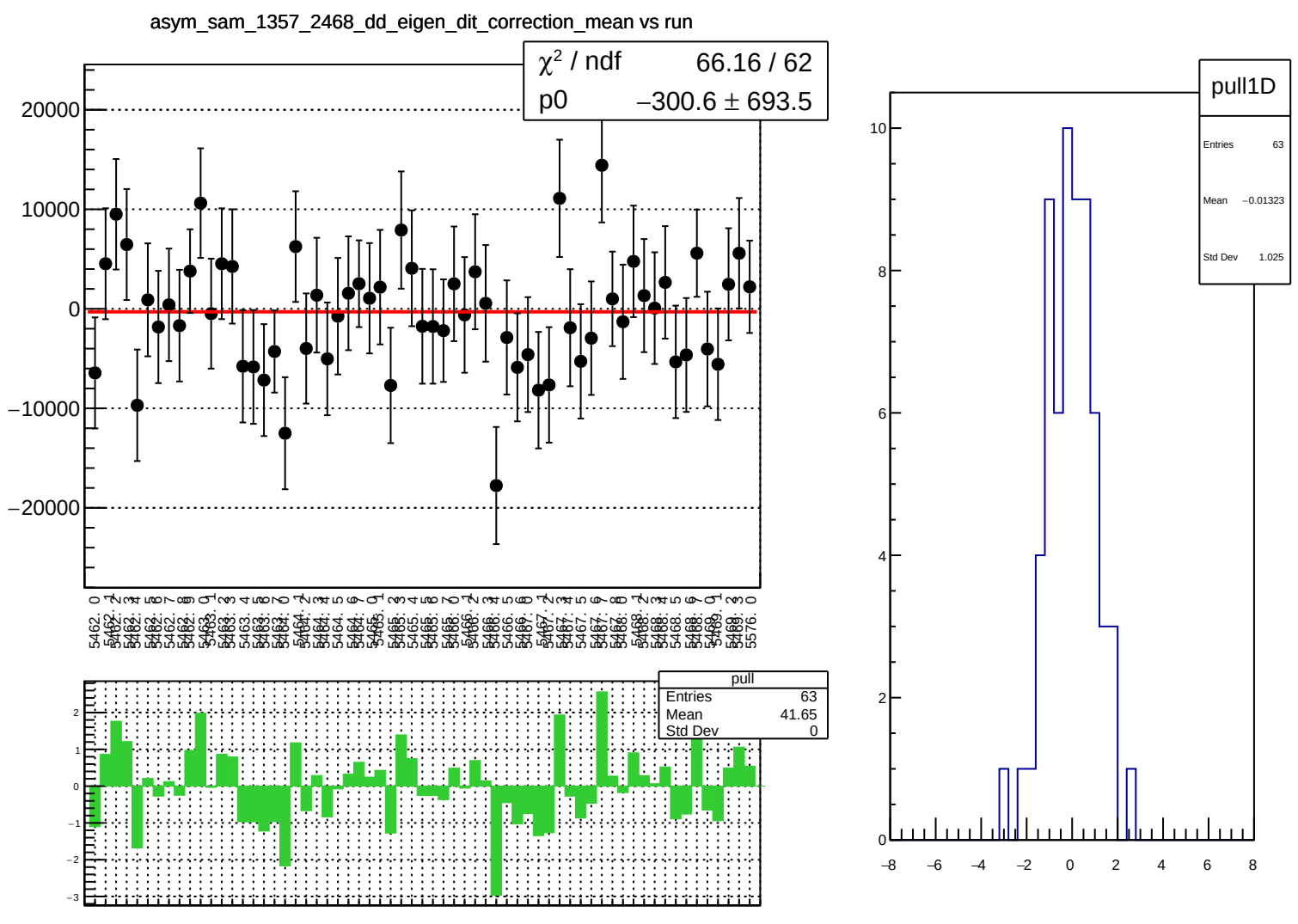

pull1D
Entries 63
Mean −0.01323
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

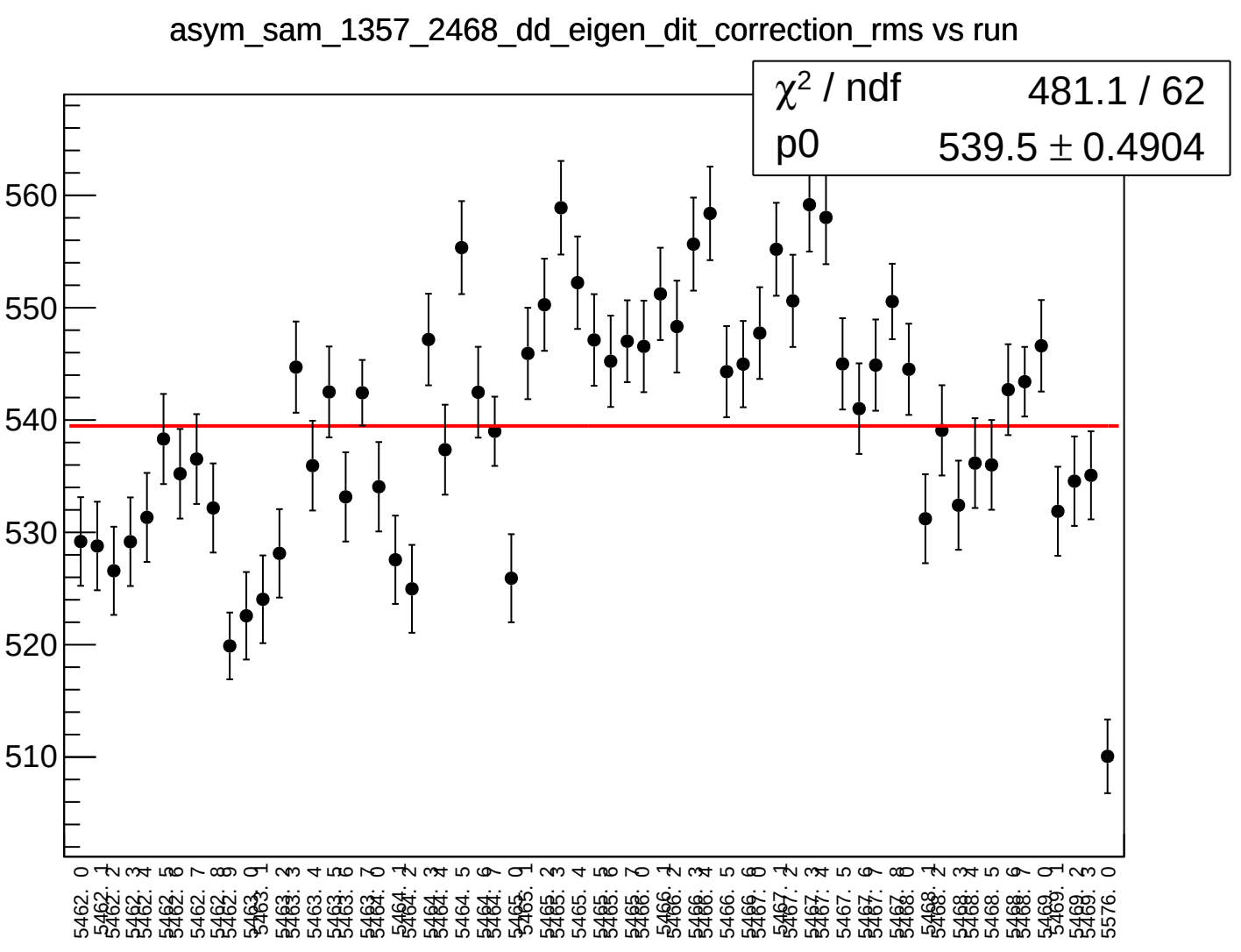

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 481.1 / 62
p0 539.5 ± 0.4904
560
550
540
530
520
510

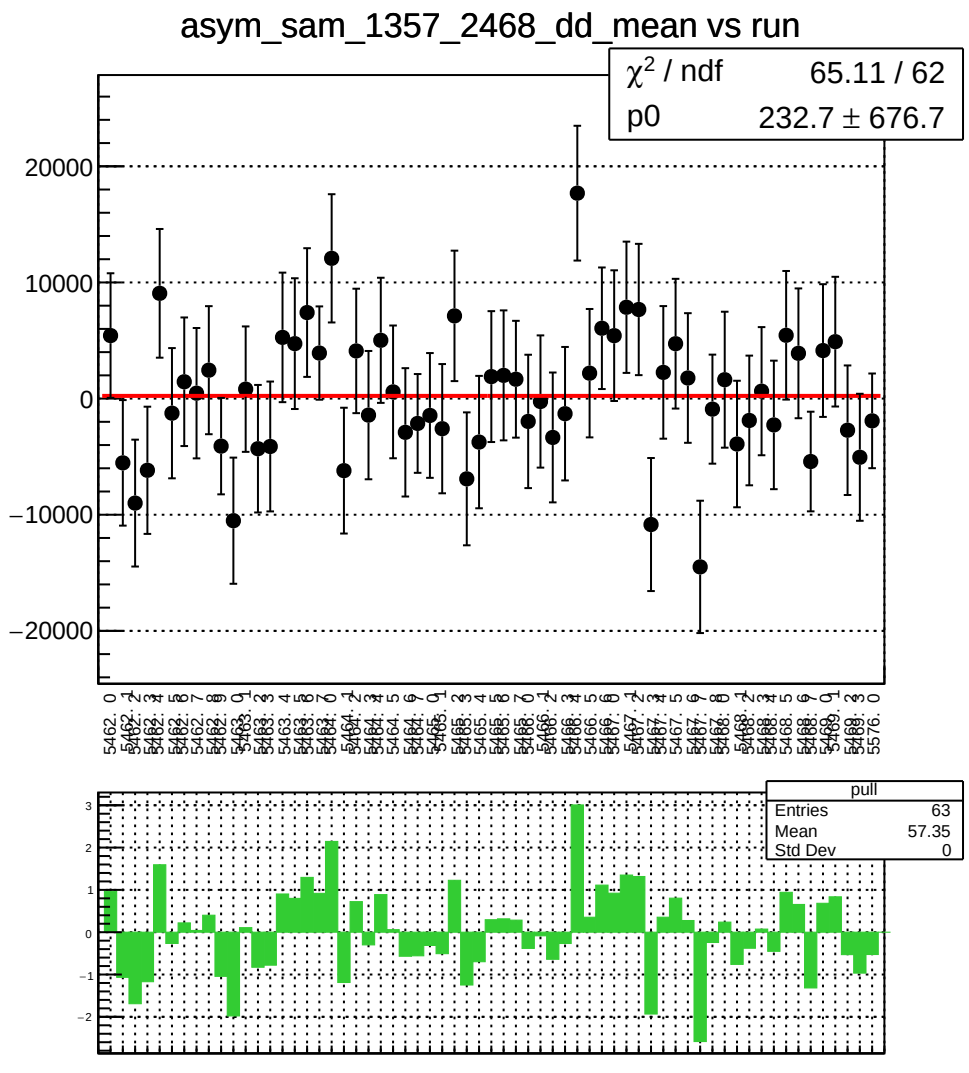

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 59.63 / 62
p0 −72.31 ± 69
pull
Entries 63
Mean 2150
Std Dev 0

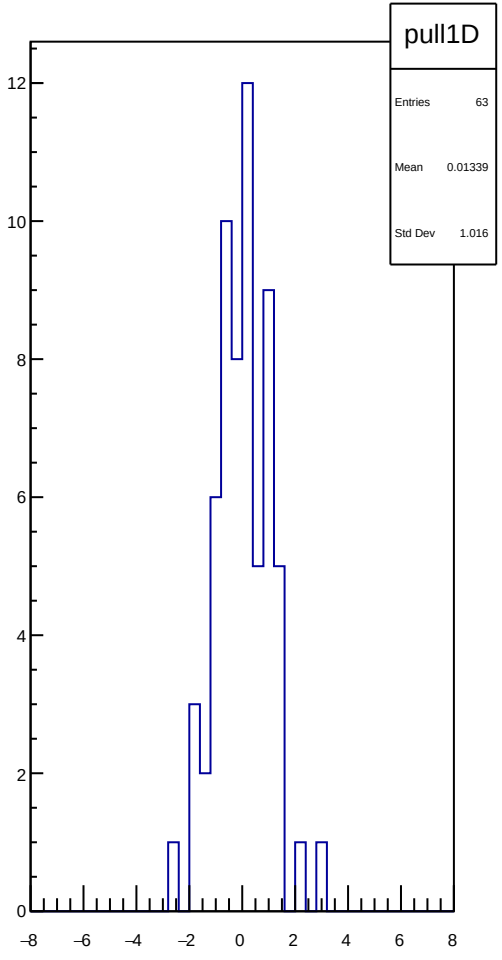

pull1D
Entries 63
Mean 0.001012
Std Dev 0.9729

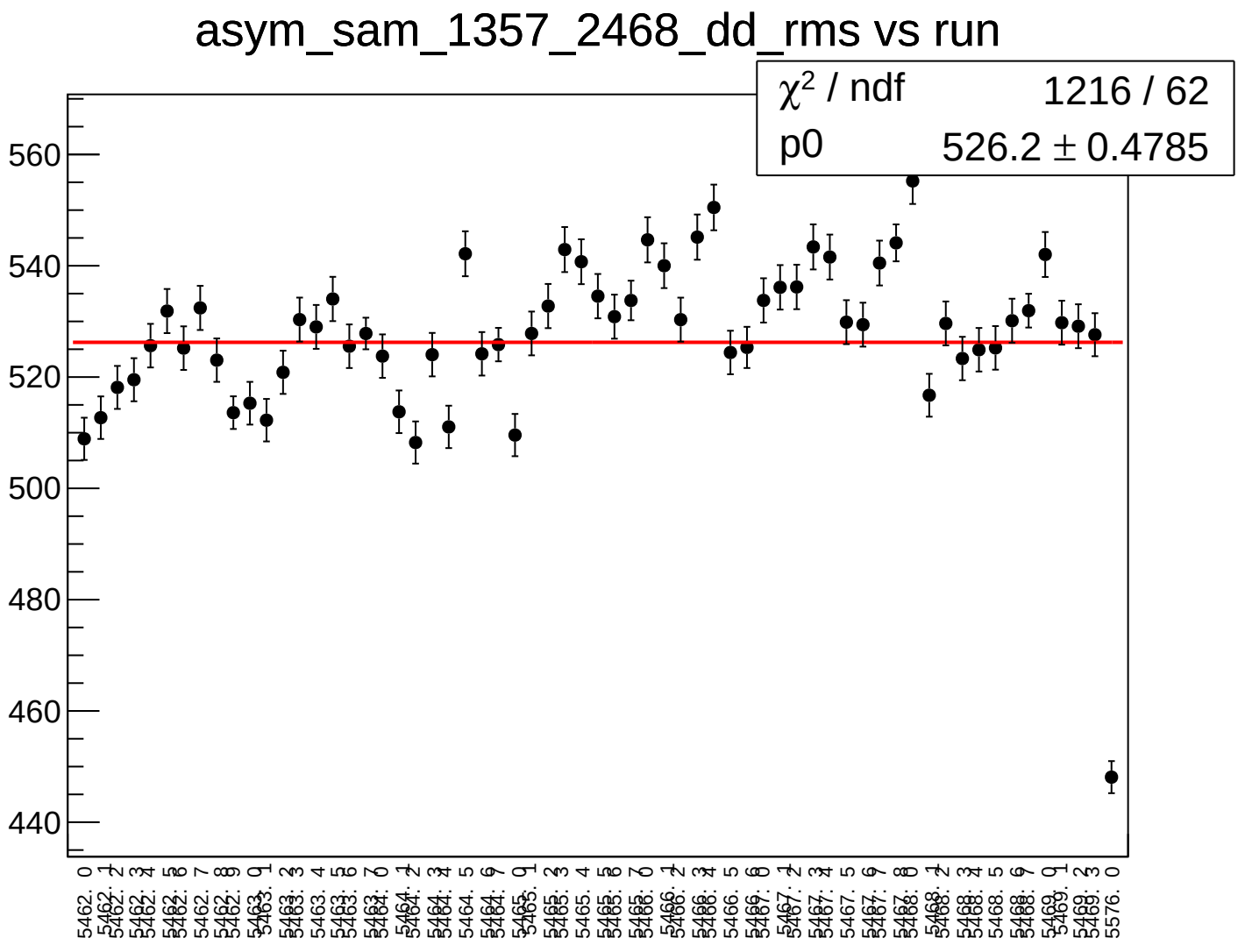

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3666 / 62
p0 53.61 ± 0.04879
75
70
65
60
55
50

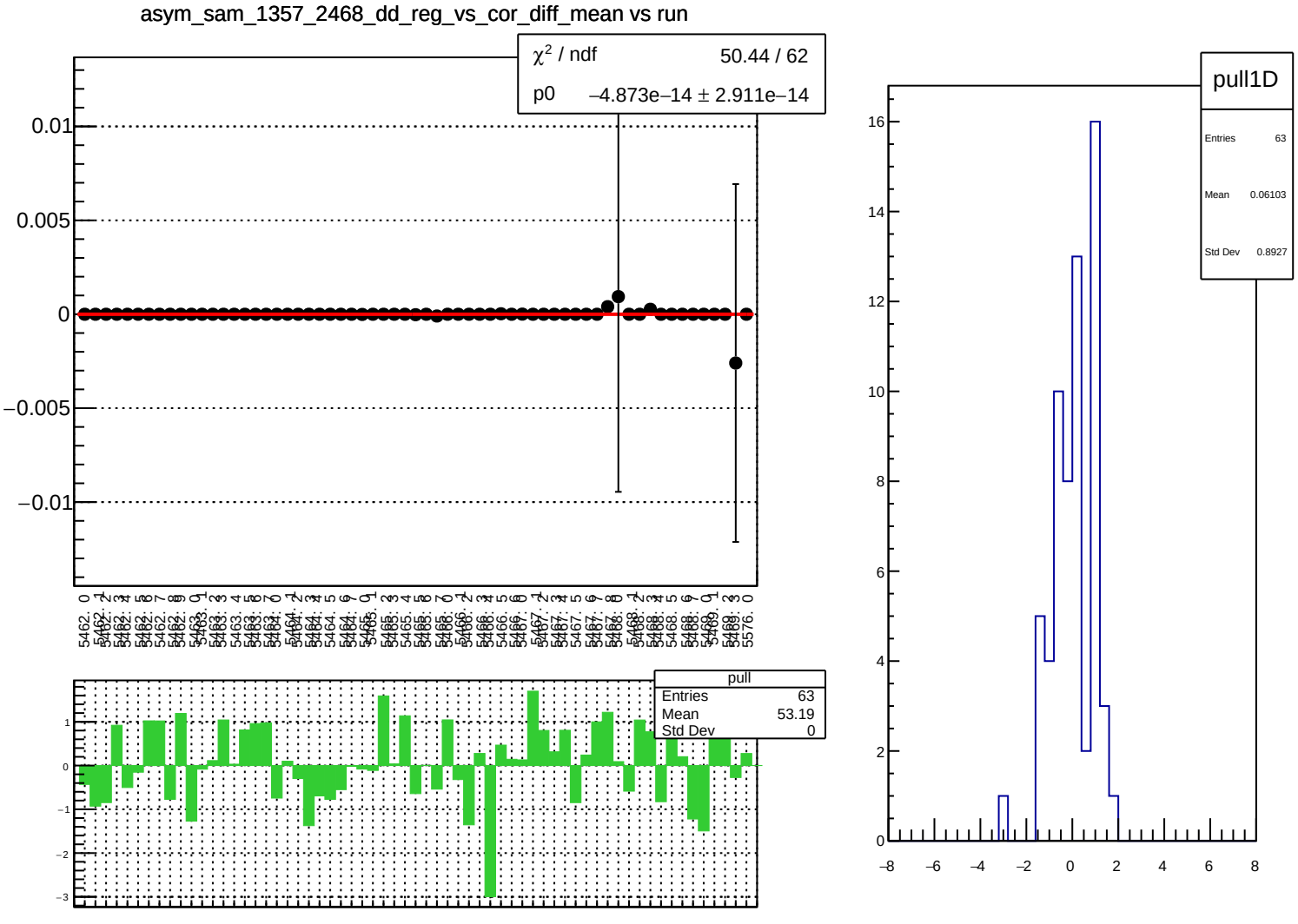

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.16 / 62
p0 −300.6 ± 693.5
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 41.65
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 63
Mean −0.01323
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

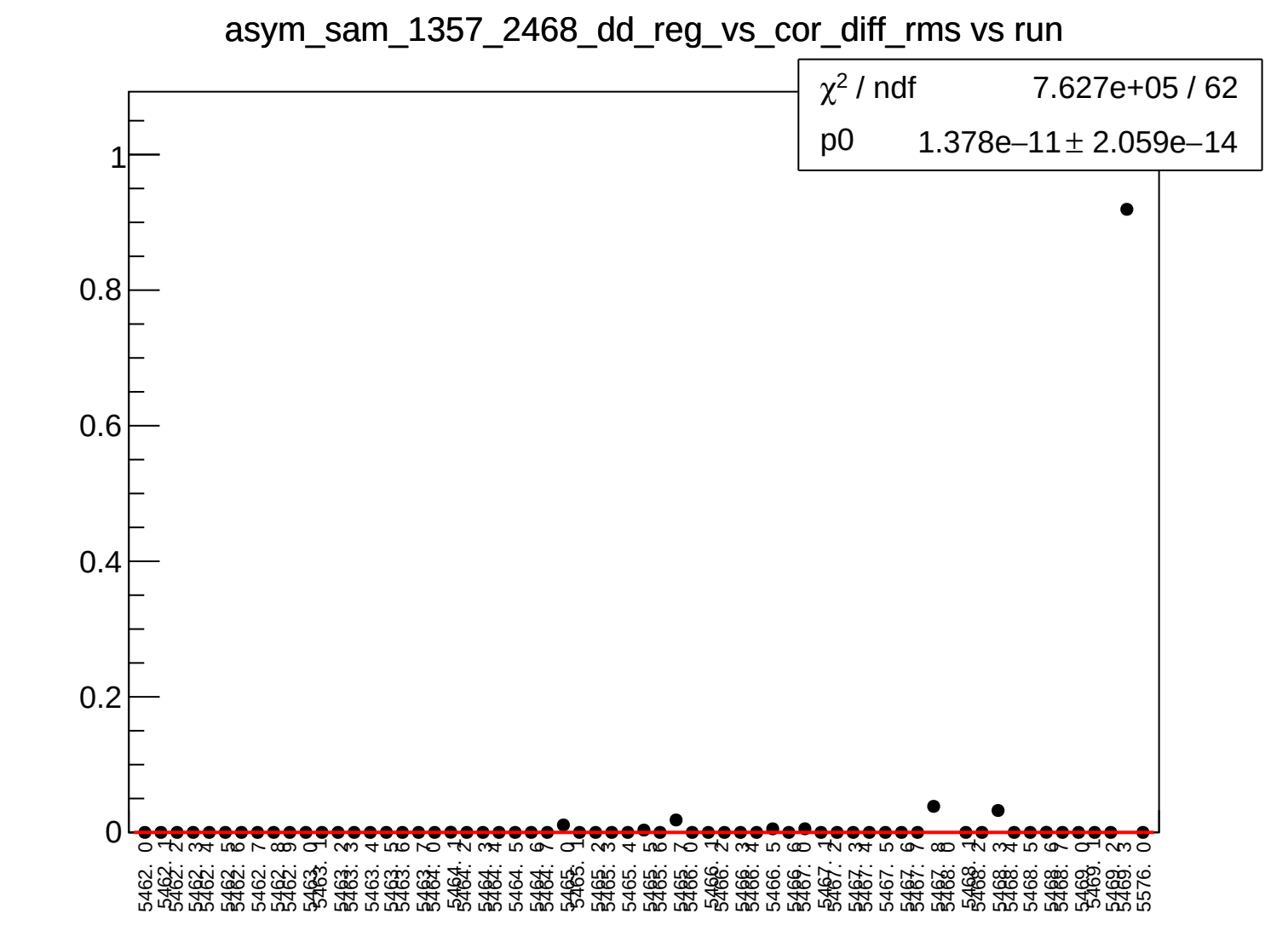

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 481.1 / 62
p0 539.5 ± 0.4904
560
550
540
530
520
510

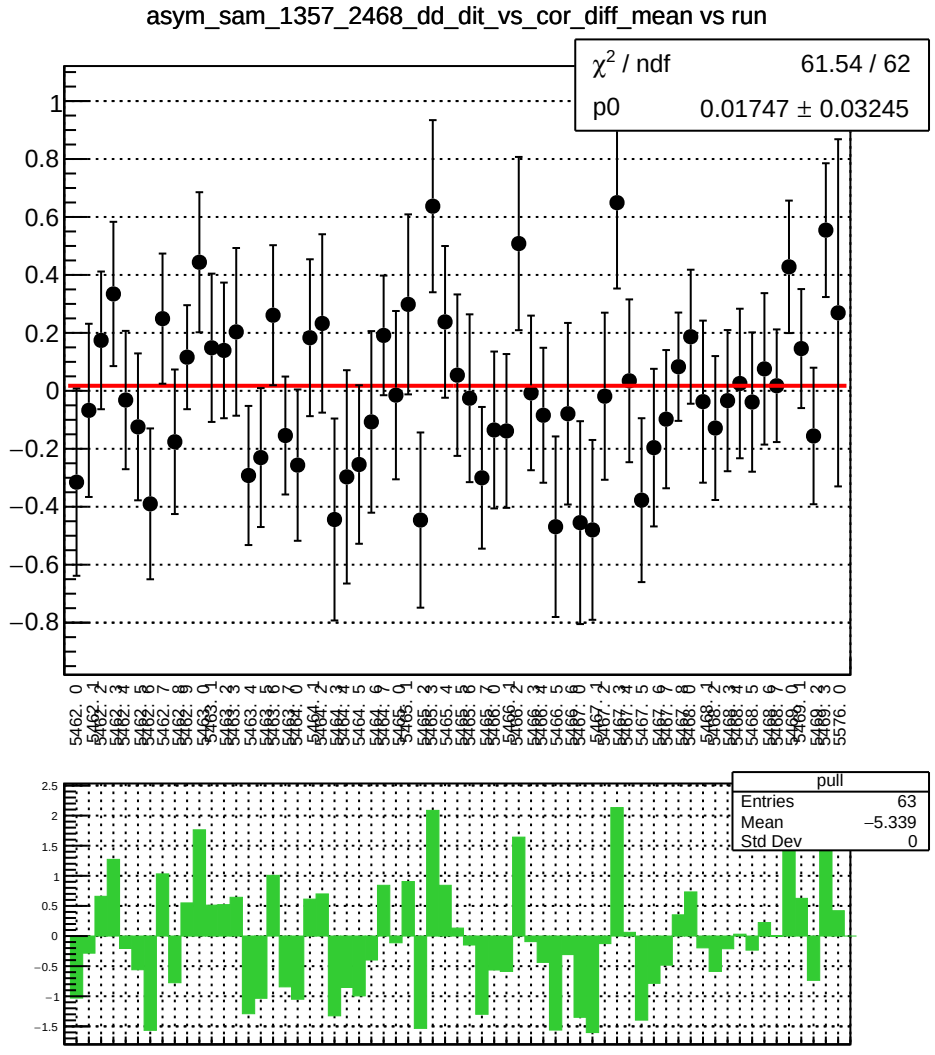

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65.11 / 62
p0 232.7 ± 676.7
20000
10000
0
−10000
−20000
pull
Entries 63
Mean 57.35
Std Dev 0
3
2
1
0
−1
−2

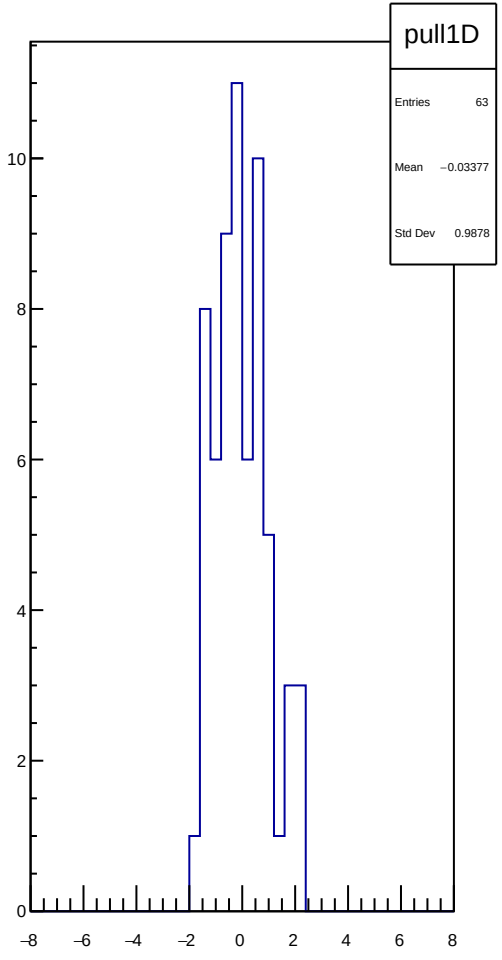

pull1D
Entries 63
Mean 0.01339
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

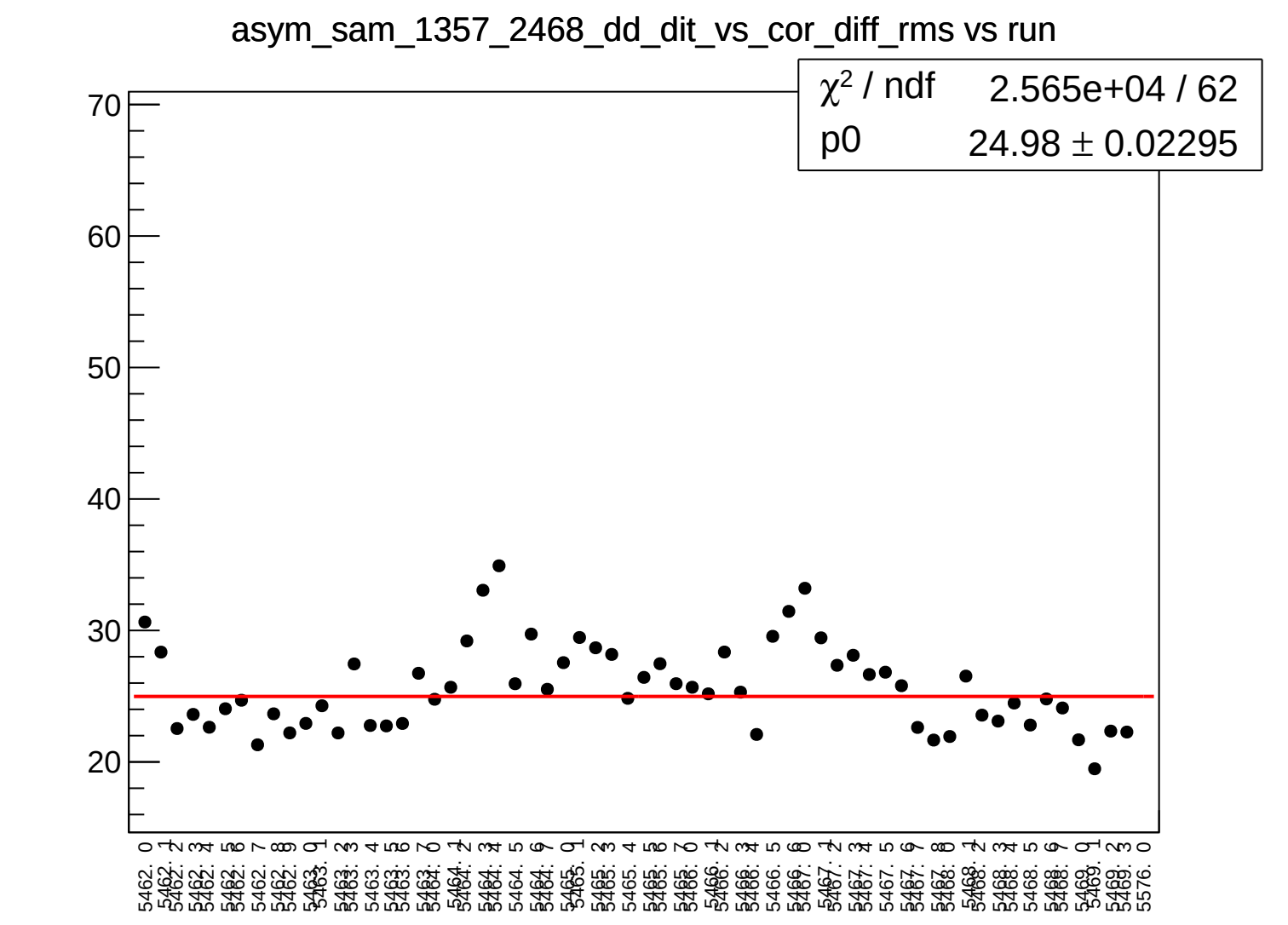

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1216 / 62
p0 526.2 ± 0.4785
560
540
520
500
480
460
440

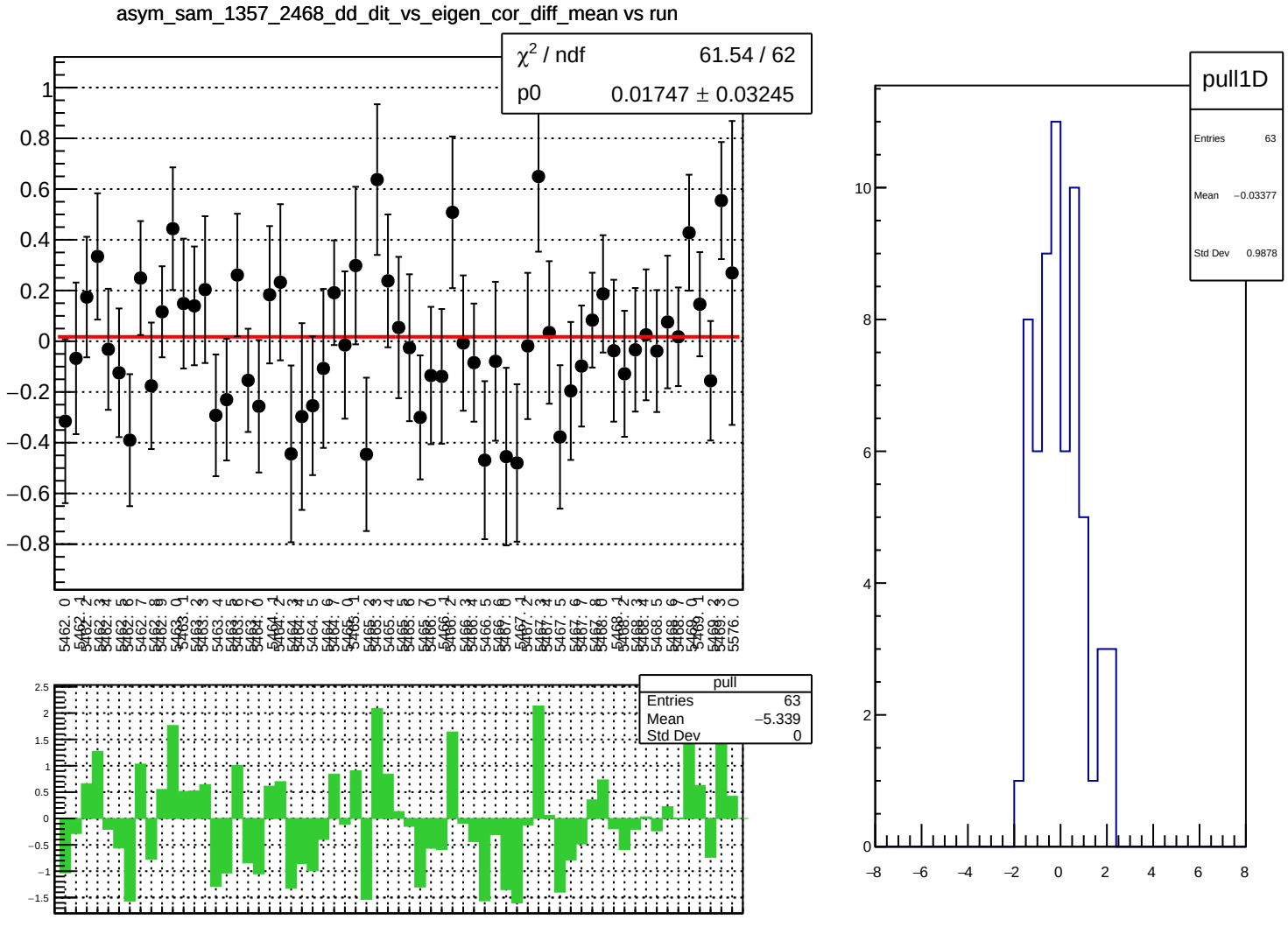

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.44 / 62
p0 −4.873e−14 ± 2.911e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 63
Mean 53.19
Std Dev 0
pull1D
Entries 63
Mean 0.06103
Std Dev 0.8927

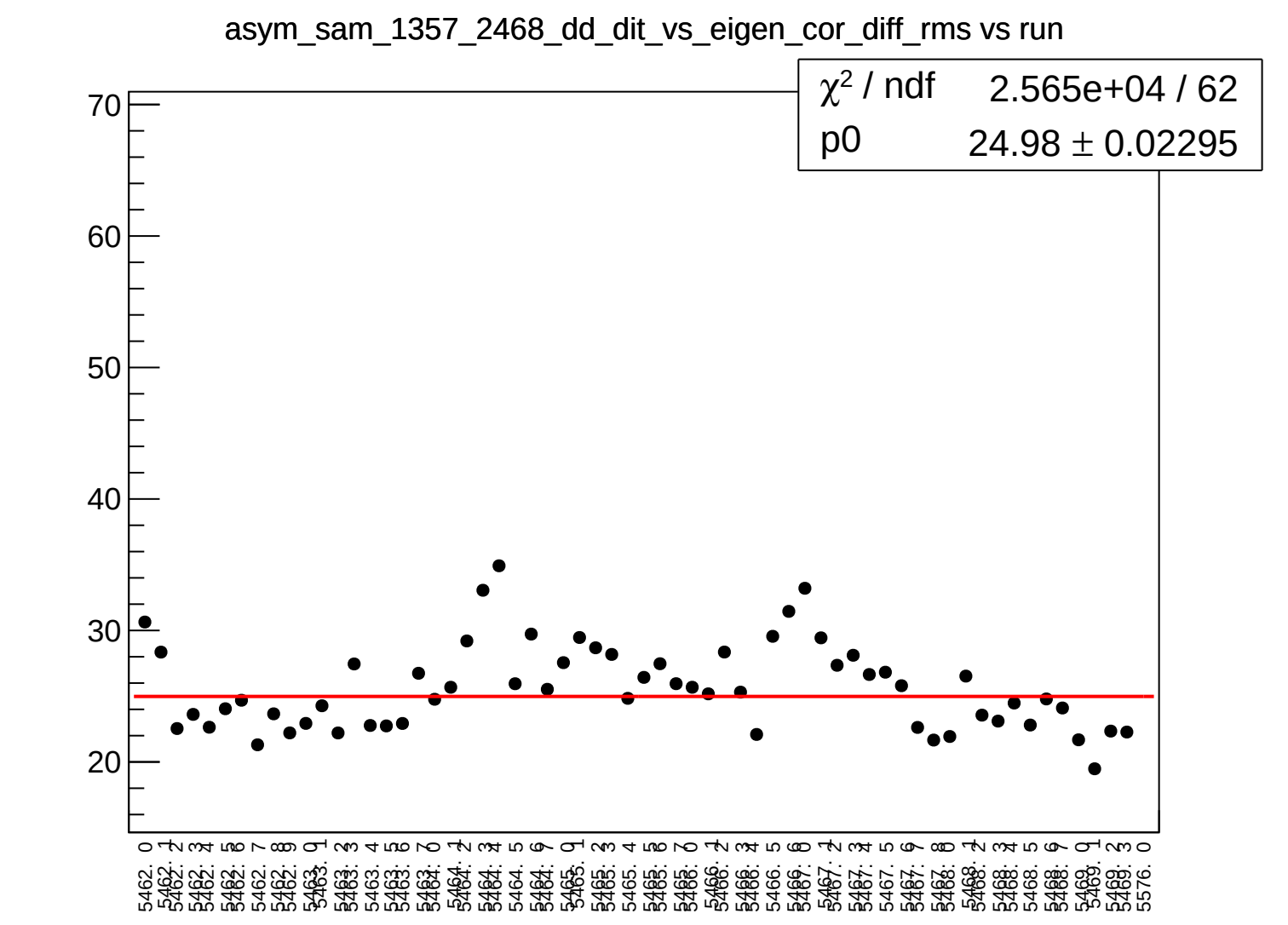

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.627e+05 / 62
p0 1.378e−11 ± 2.059e−14
1
0.8
0.6
0.4
0.2
0

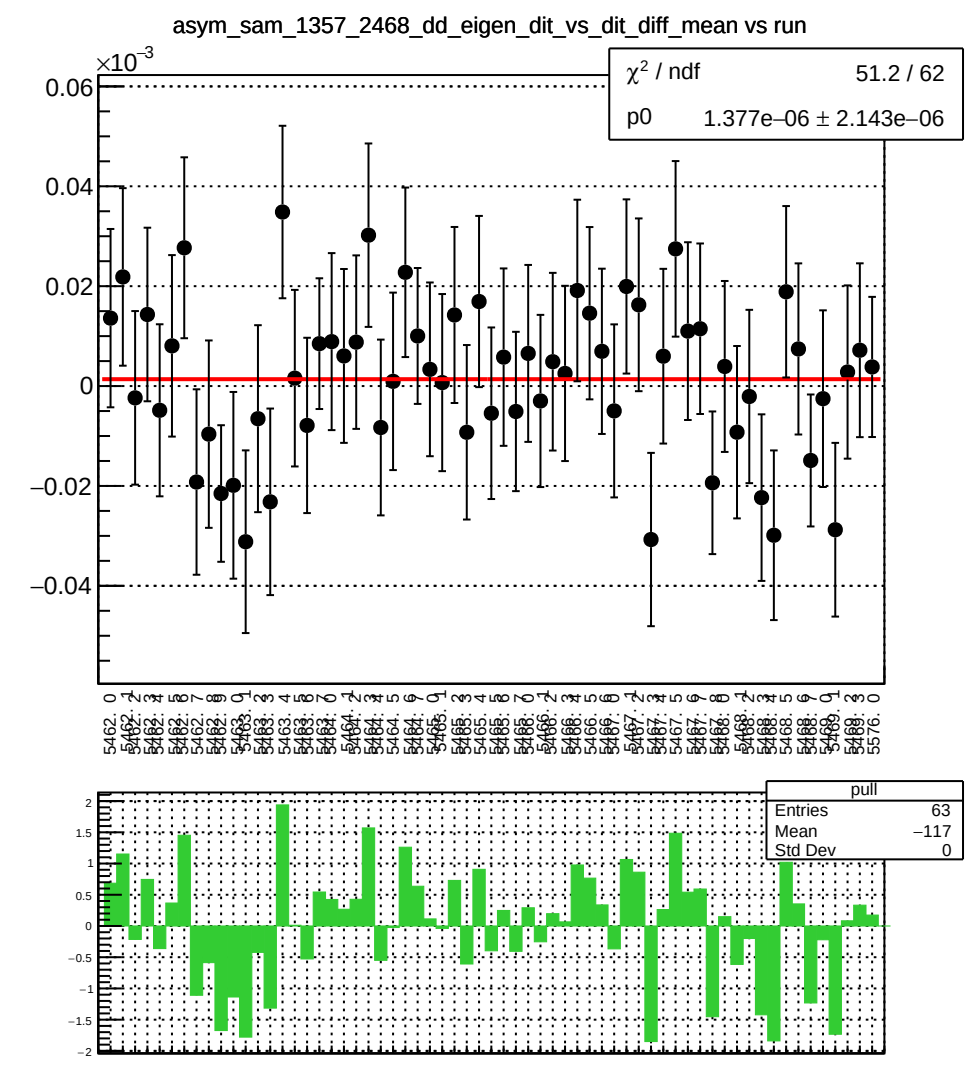

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.54 / 62
p0 0.01747 ± 0.03245
pull
Entries 63
Mean −5.339
Std Dev 0

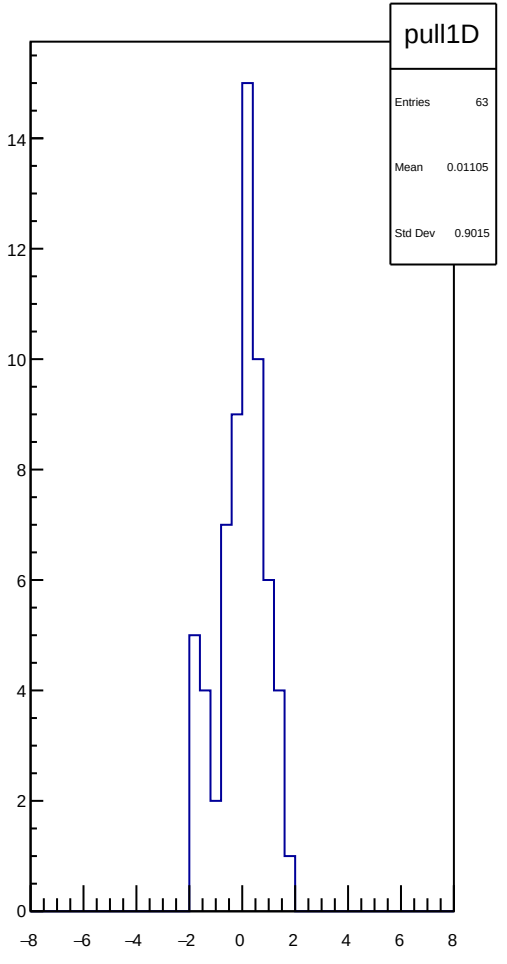

pull1D
Entries 63
Mean −0.03377
Std Dev 0.9878

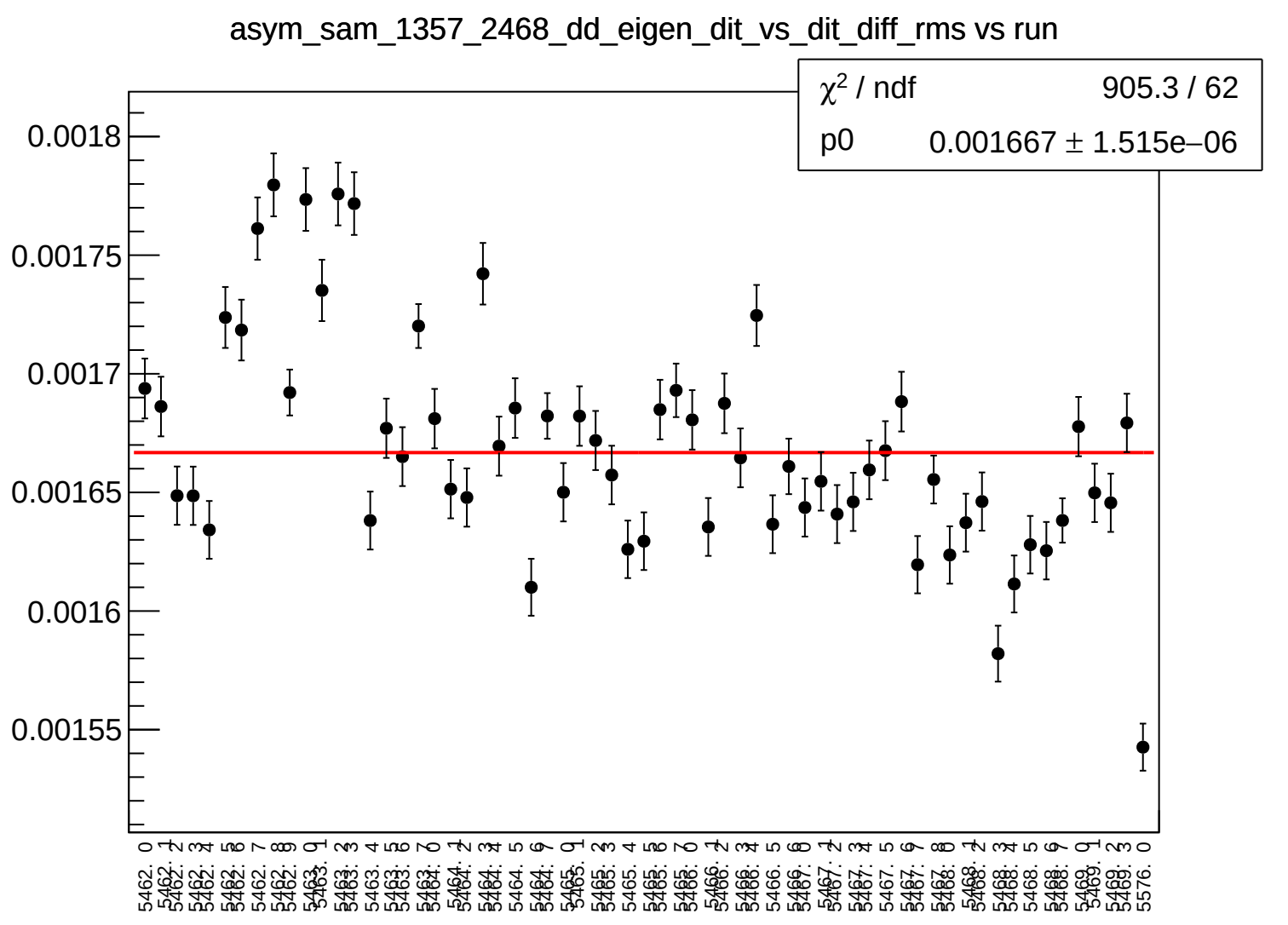

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.565e+04 / 62
p0 24.98 ± 0.02295
70
60
50
40
30
20

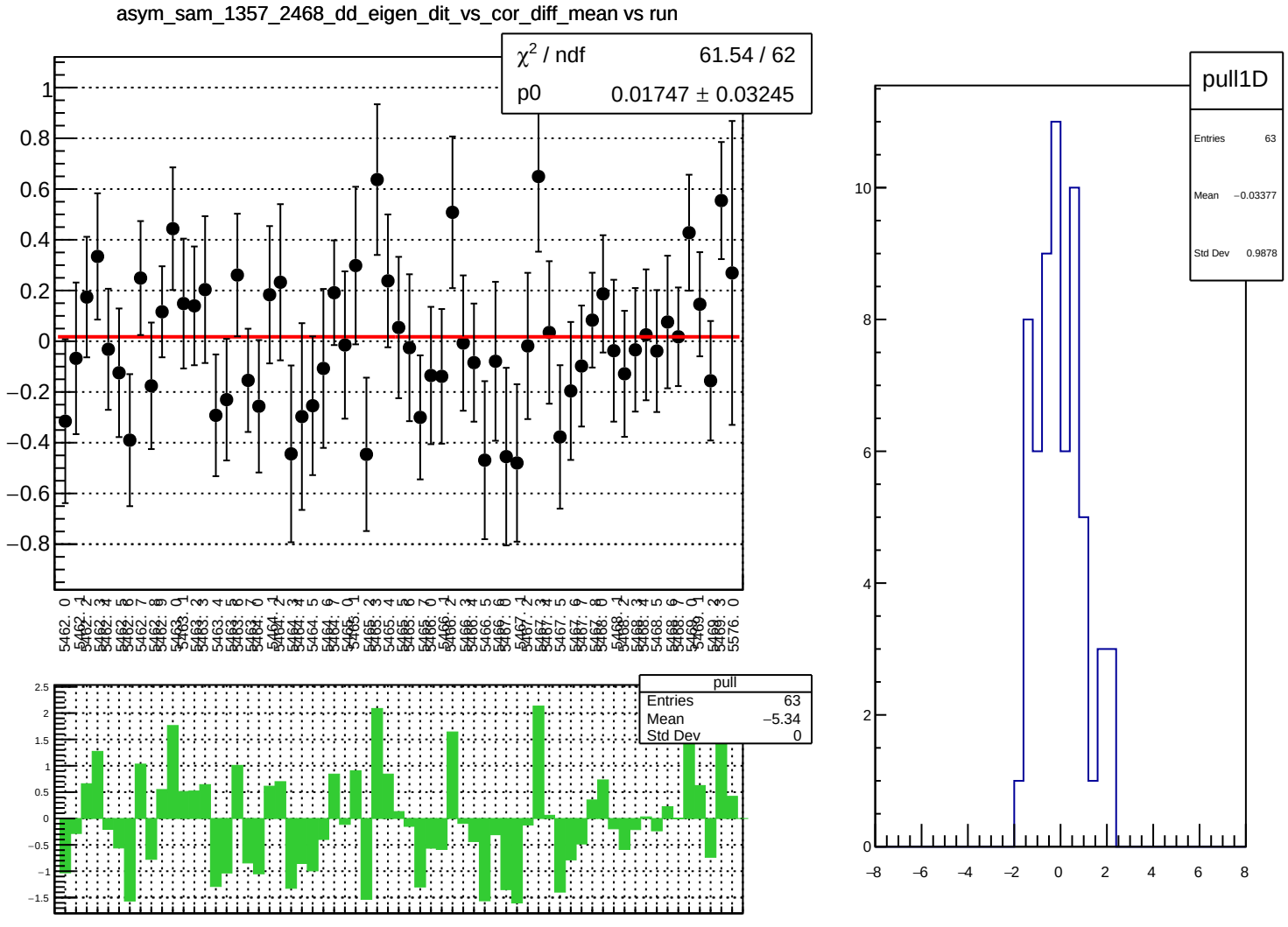

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.54 / 62
p0 0.01747 ± 0.03245
pull
Entries 63
Mean −5.339
Std Dev 0
pull1D
Entries 63
Mean −0.03377
Std Dev 0.9878

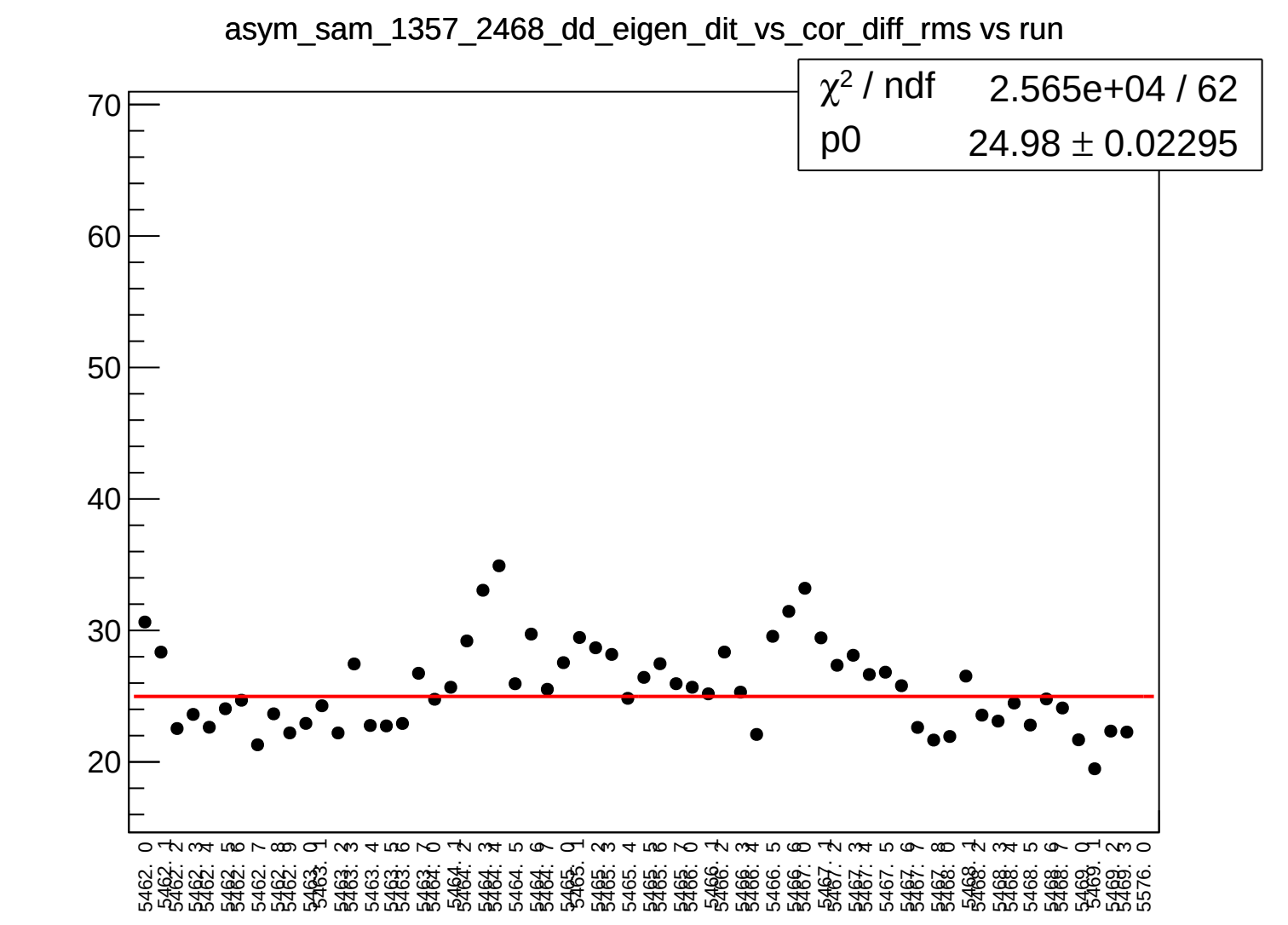

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.565e+04 / 62
p0 24.98 ± 0.02295
70
60
50
40
30
20

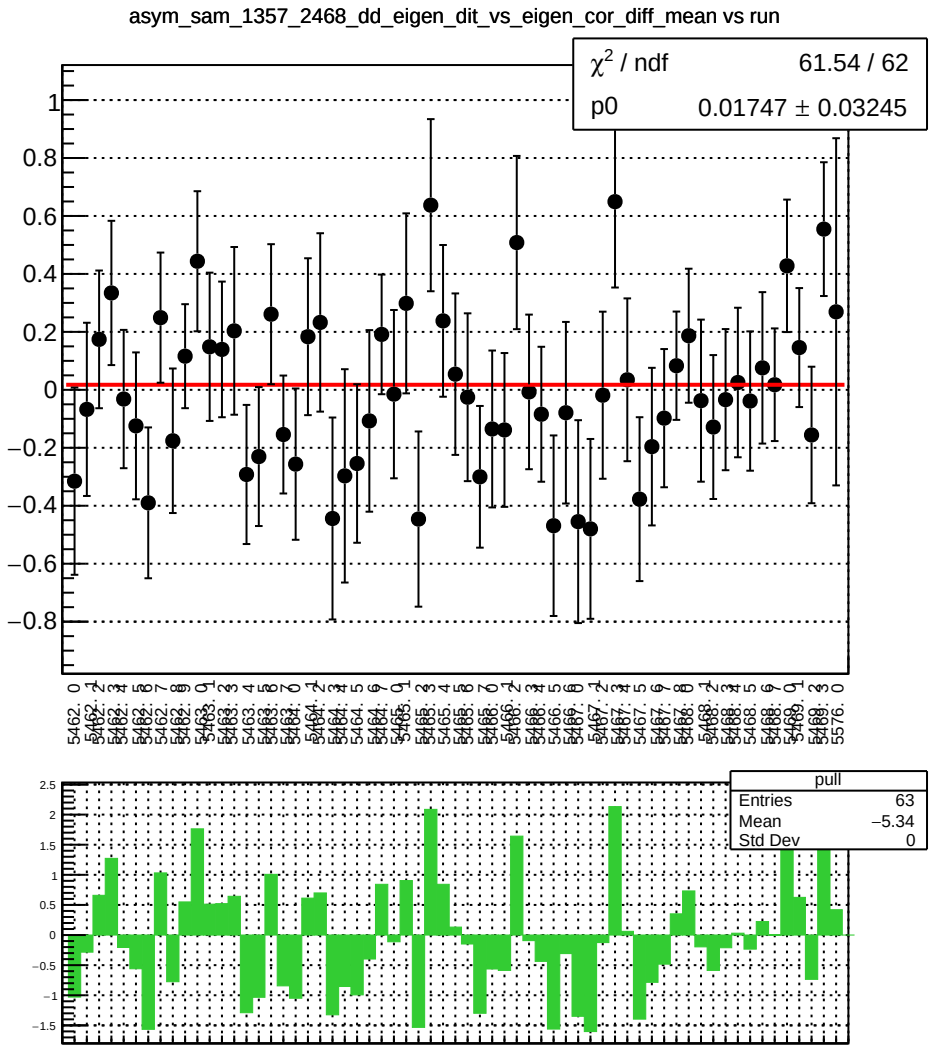

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.2 / 62
p0 1.377e−06 ± 2.143e−06
pull
Entries 63
Mean −117
Std Dev 0

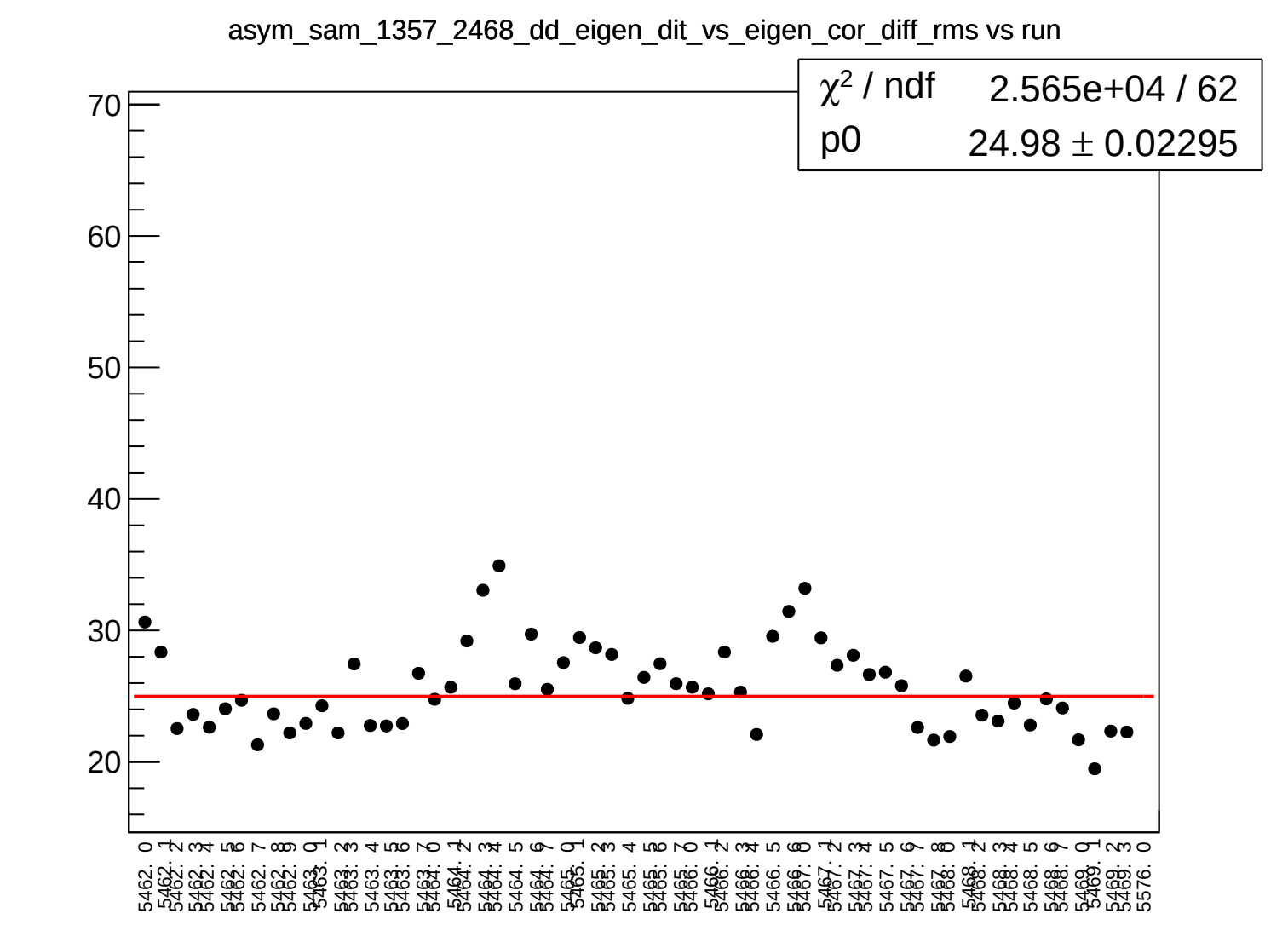

pull1D
Entries 63
Mean 0.01105
Std Dev 0.9015

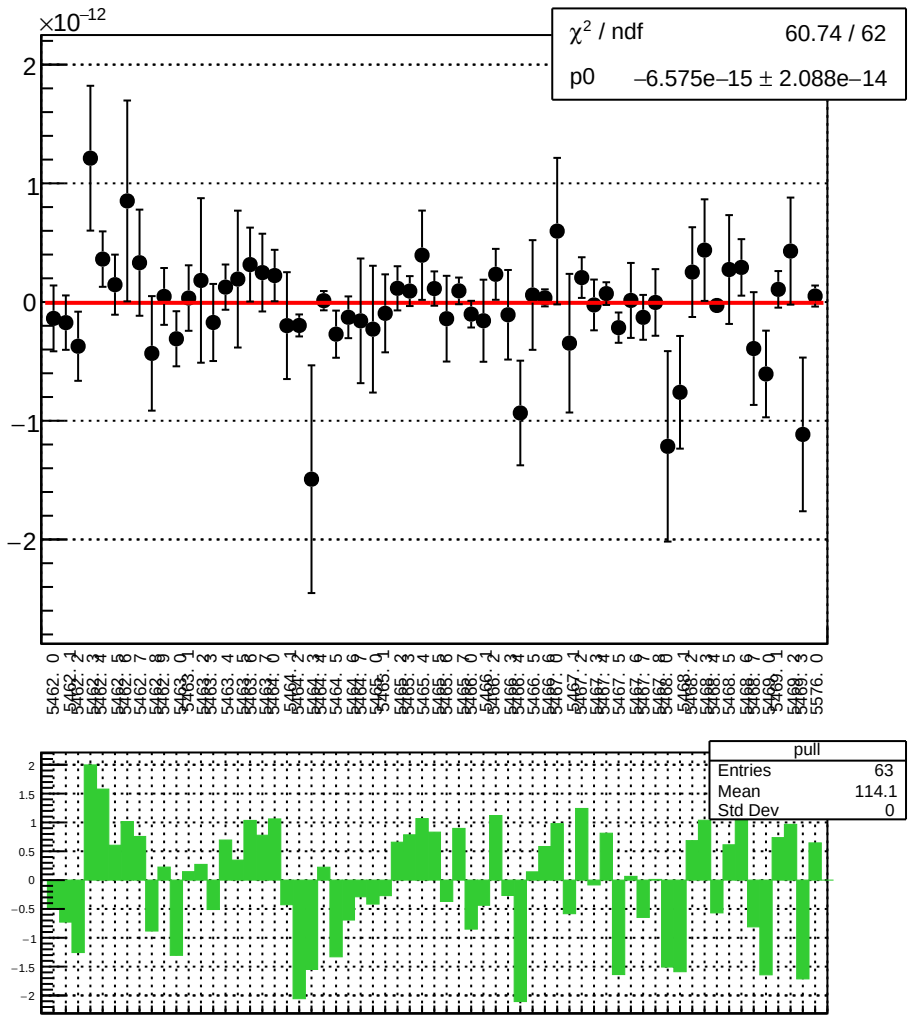

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 905.3 / 62
p0 0.001667 ± 1.515e−06
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155

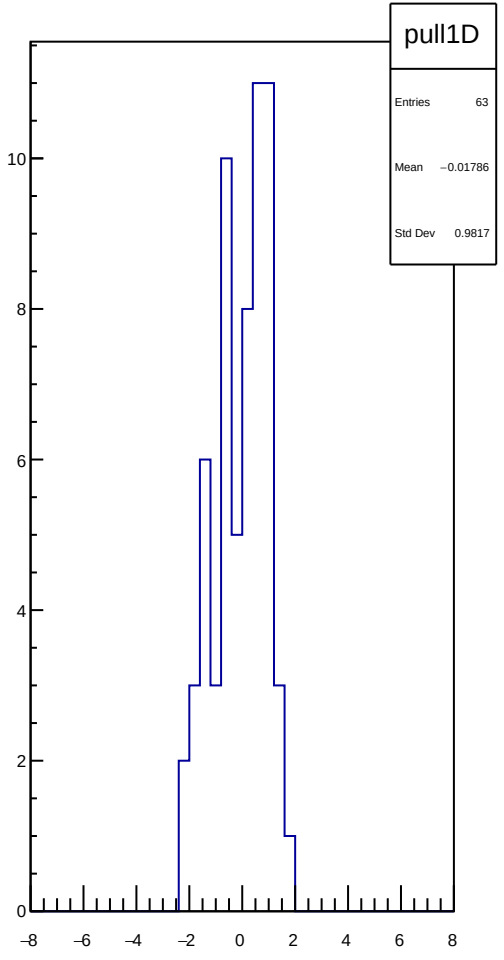

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.54 / 62
p0 0.01747 ± 0.03245
pull
Entries 63
Mean −5.34
Std Dev 0
pull1D
Entries 63
Mean −0.03377
Std Dev 0.9878

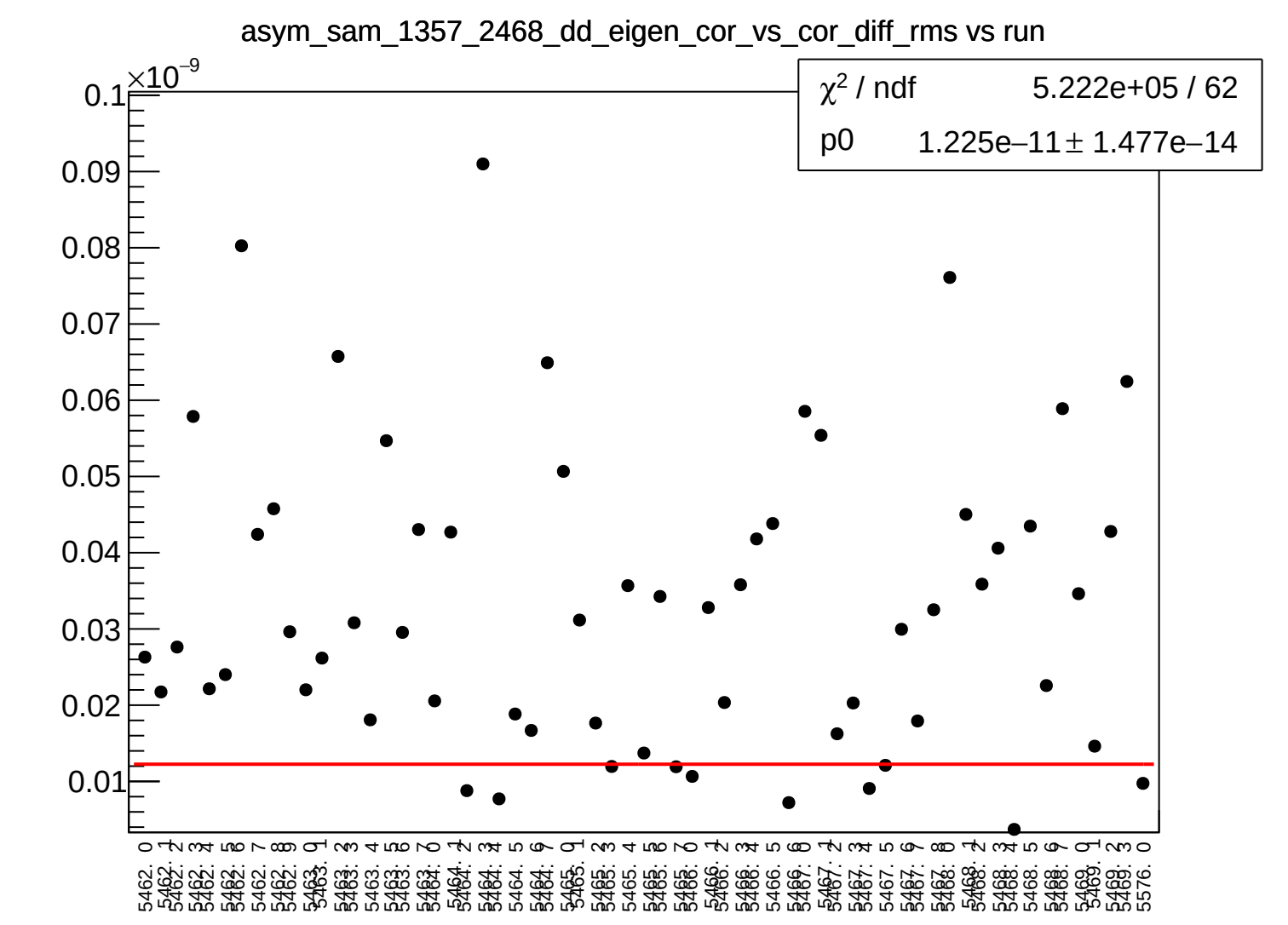

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.565e+04 / 62
p0 24.98 ± 0.02295
70
60
50
40
30
20

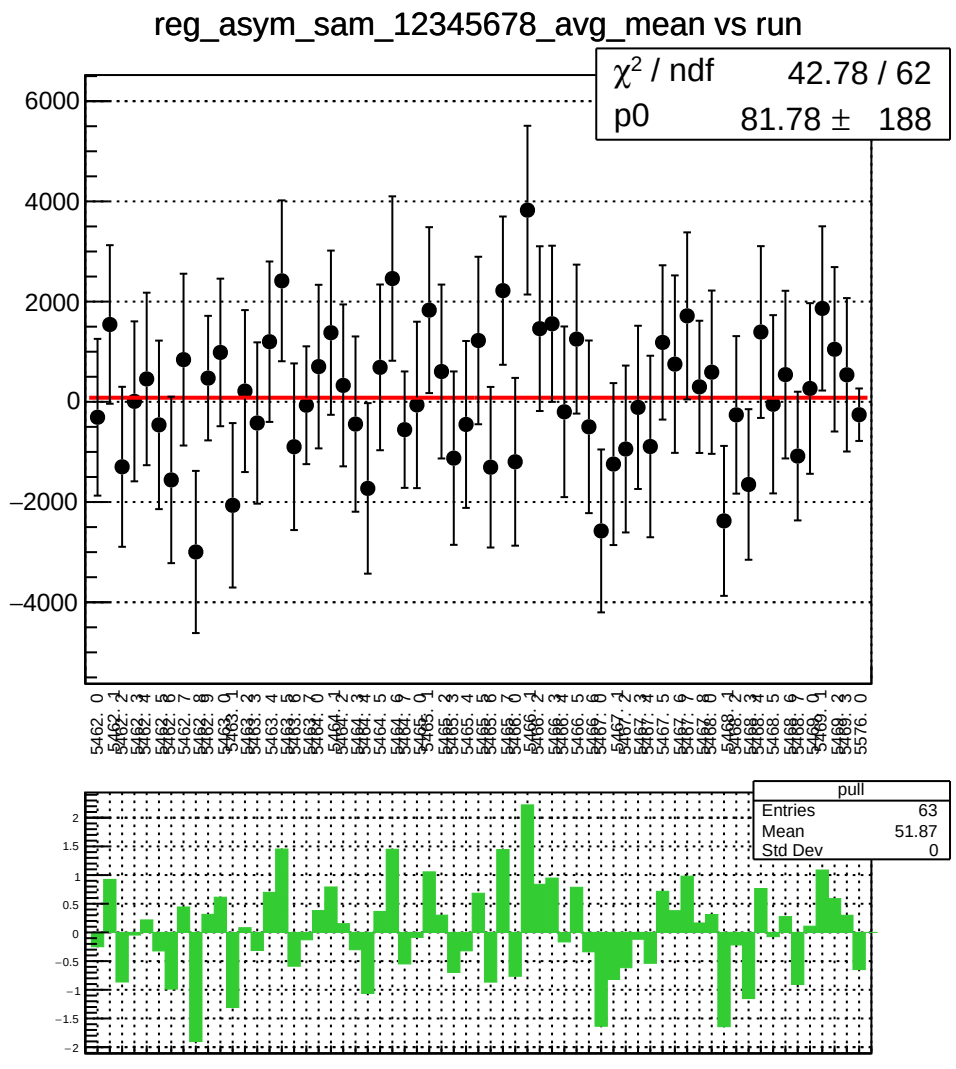

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.54 / 62
p0 0.01747 ± 0.03245
pull
Entries 63
Mean −5.34
Std Dev 0
pull1D
Entries 63
Mean −0.03377
Std Dev 0.9878

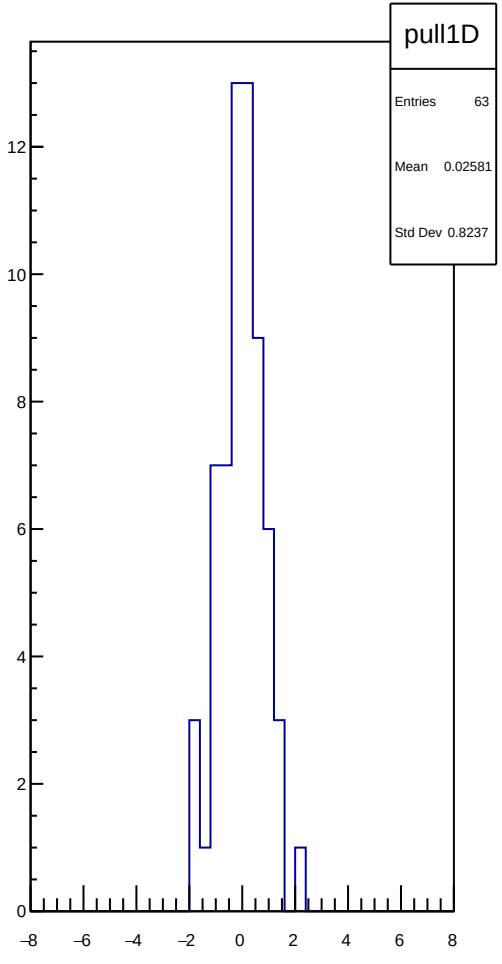

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.565e+04 / 62
p0 24.98 ± 0.02295
70
60
50
40
30
20

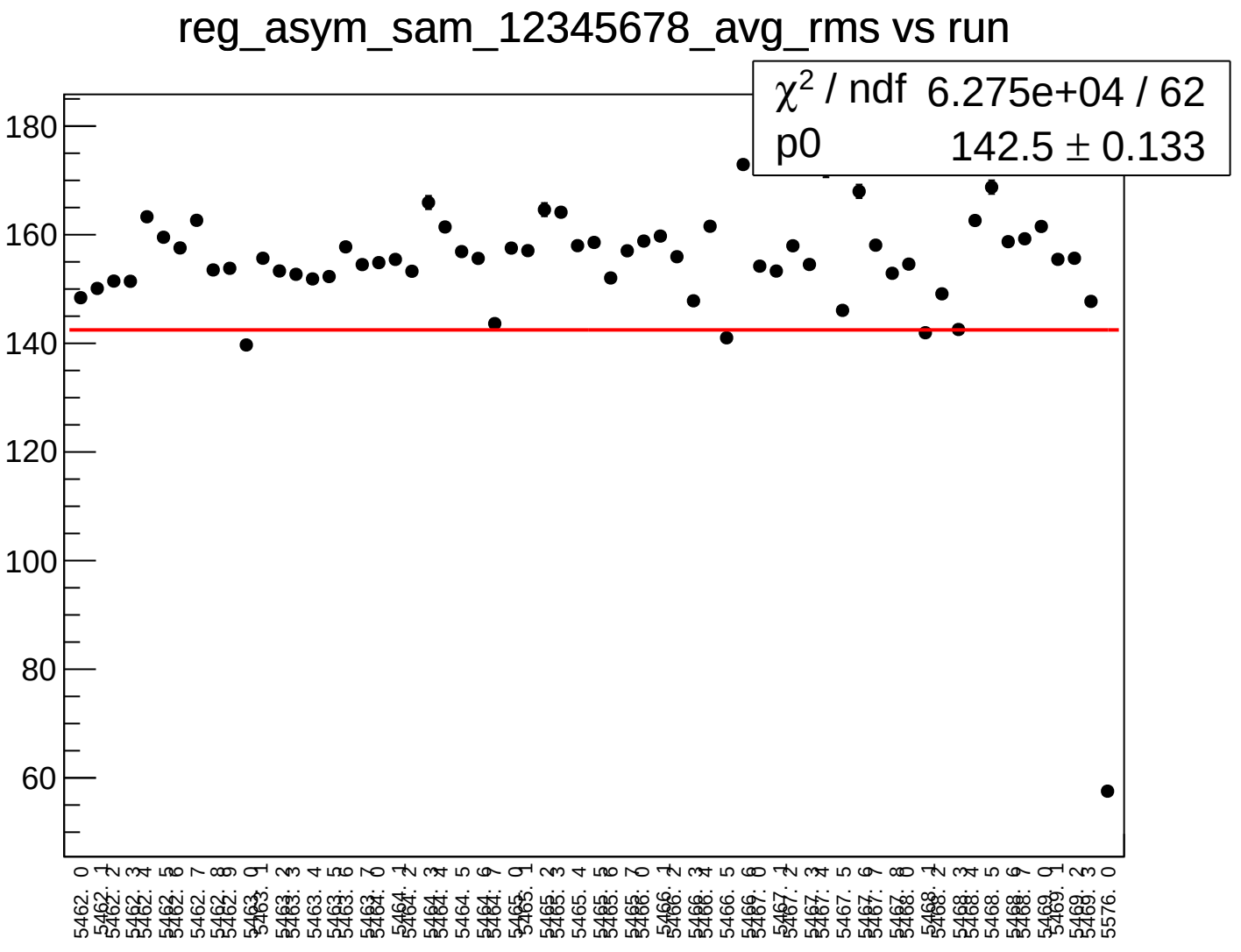

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 60.74 / 62
p0 −6.575e−15 ± 2.088e−14
pull
Entries 63
Mean 114.1
Std Dev 0

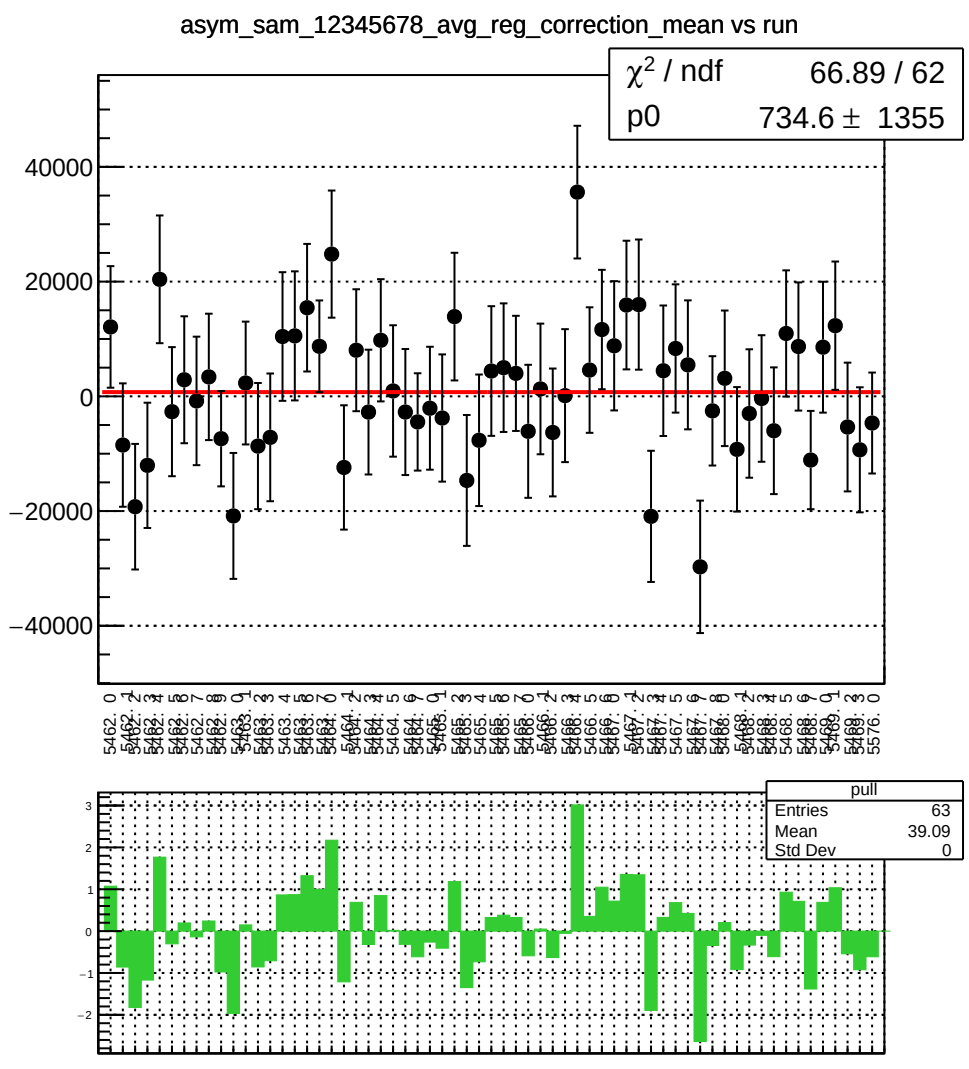

pull1D
Entries 63
Mean −0.01786
Std Dev 0.9817

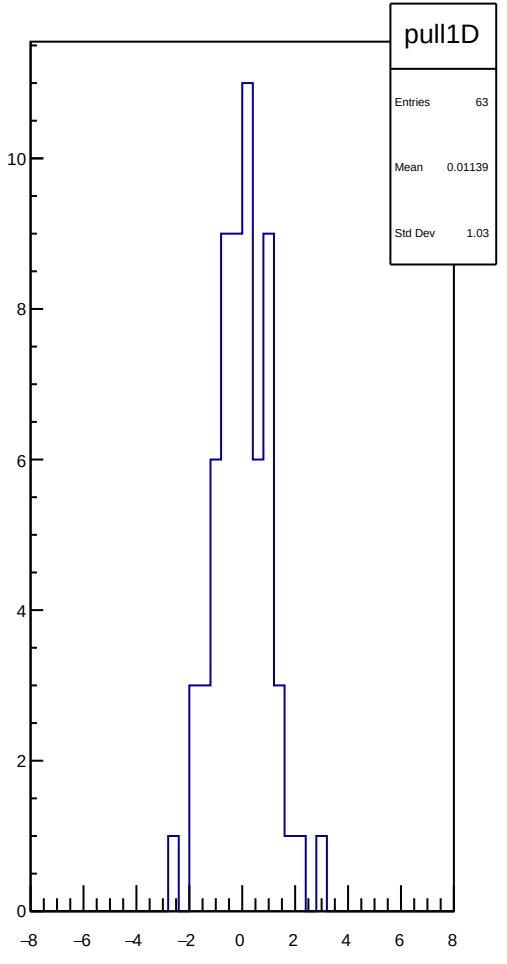

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
χ² / ndf 5.222e+05 / 62
p0 1.225e−11 ± 1.477e−14
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 0
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 0
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 0
5469. 1
5469. 2
5469. 3
5576. 0

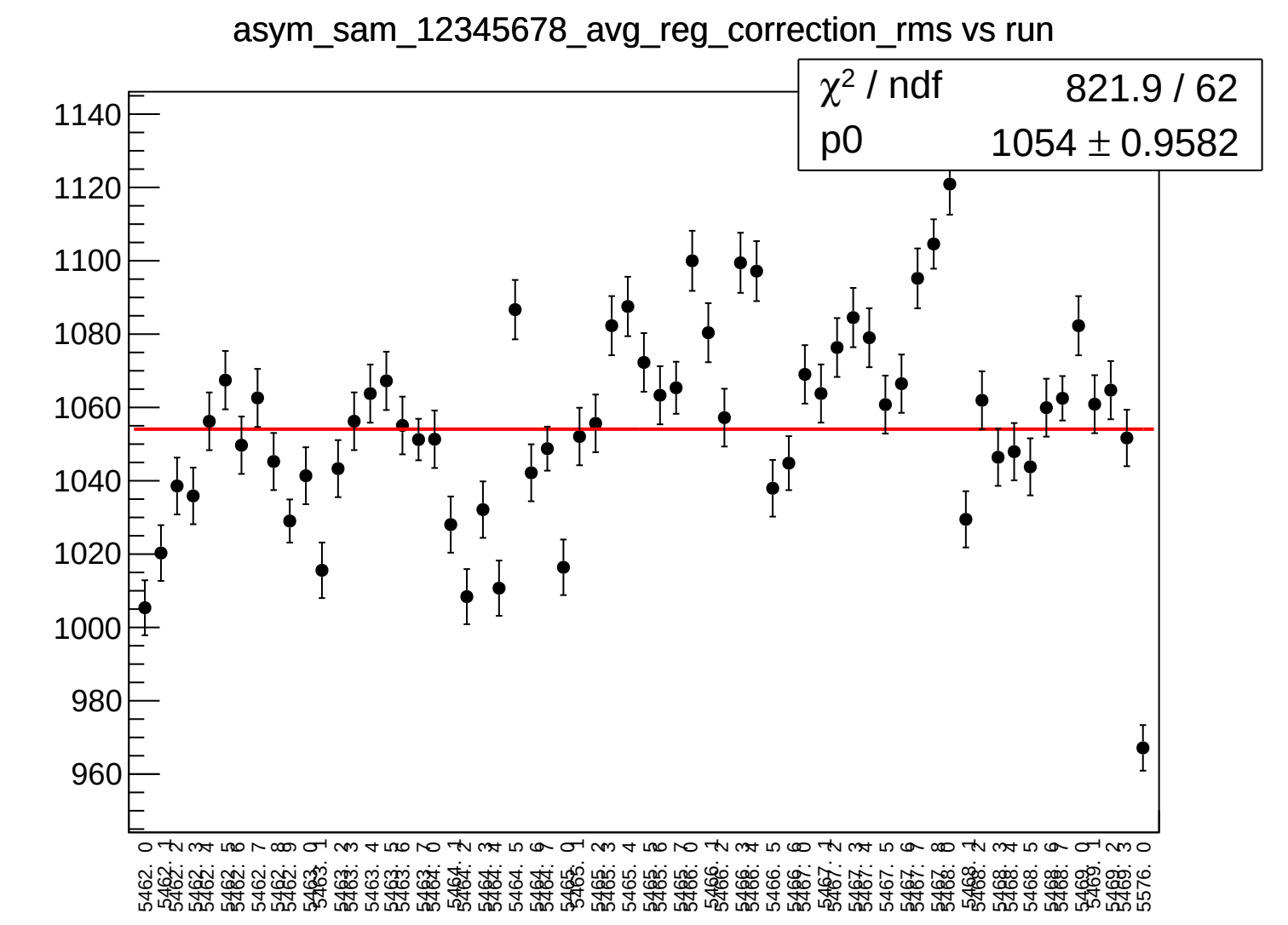

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 42.78 / 62
p0 81.78 ± 188
6000
4000
2000
0
−2000
−4000
pull
Entries 63
Mean 51.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

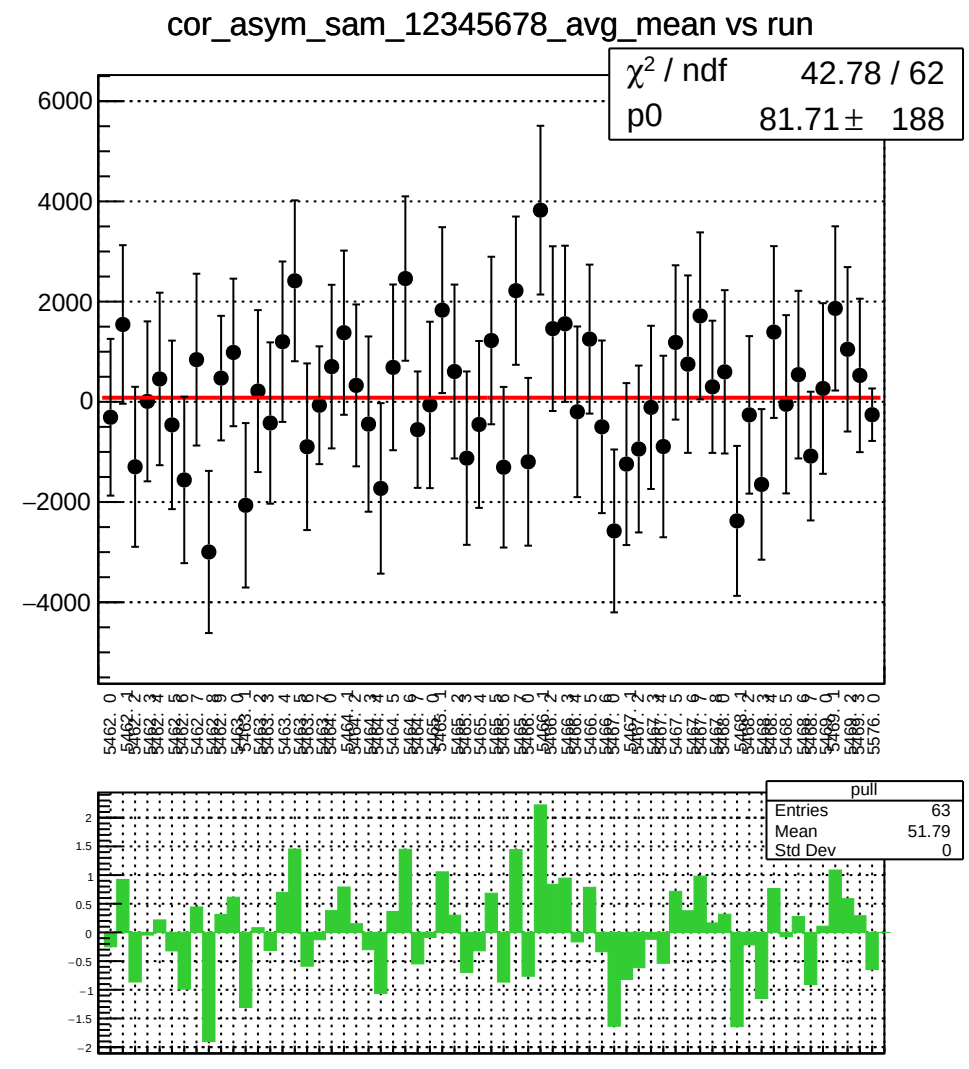

pull1D
Entries 63
Mean 0.02581
Std Dev 0.8237
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

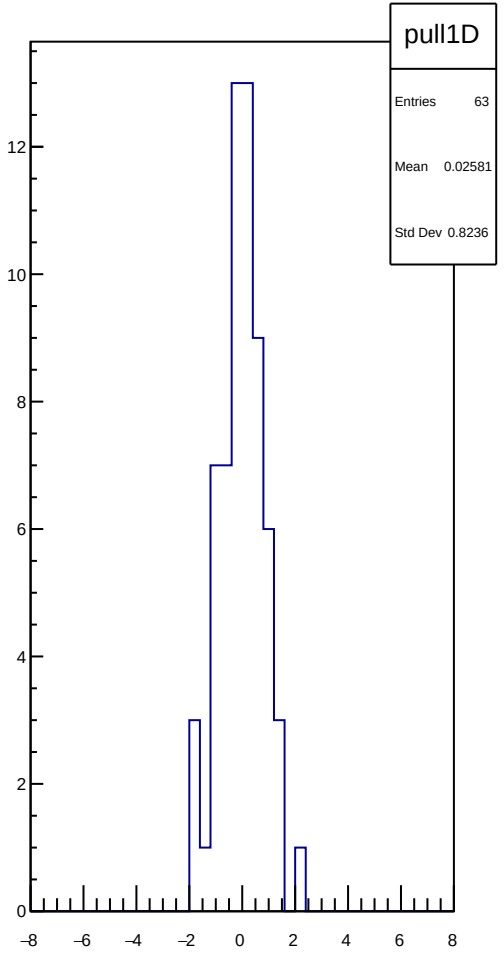

reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 6.275e+04 / 62
p0 142.5 ± 0.133
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0

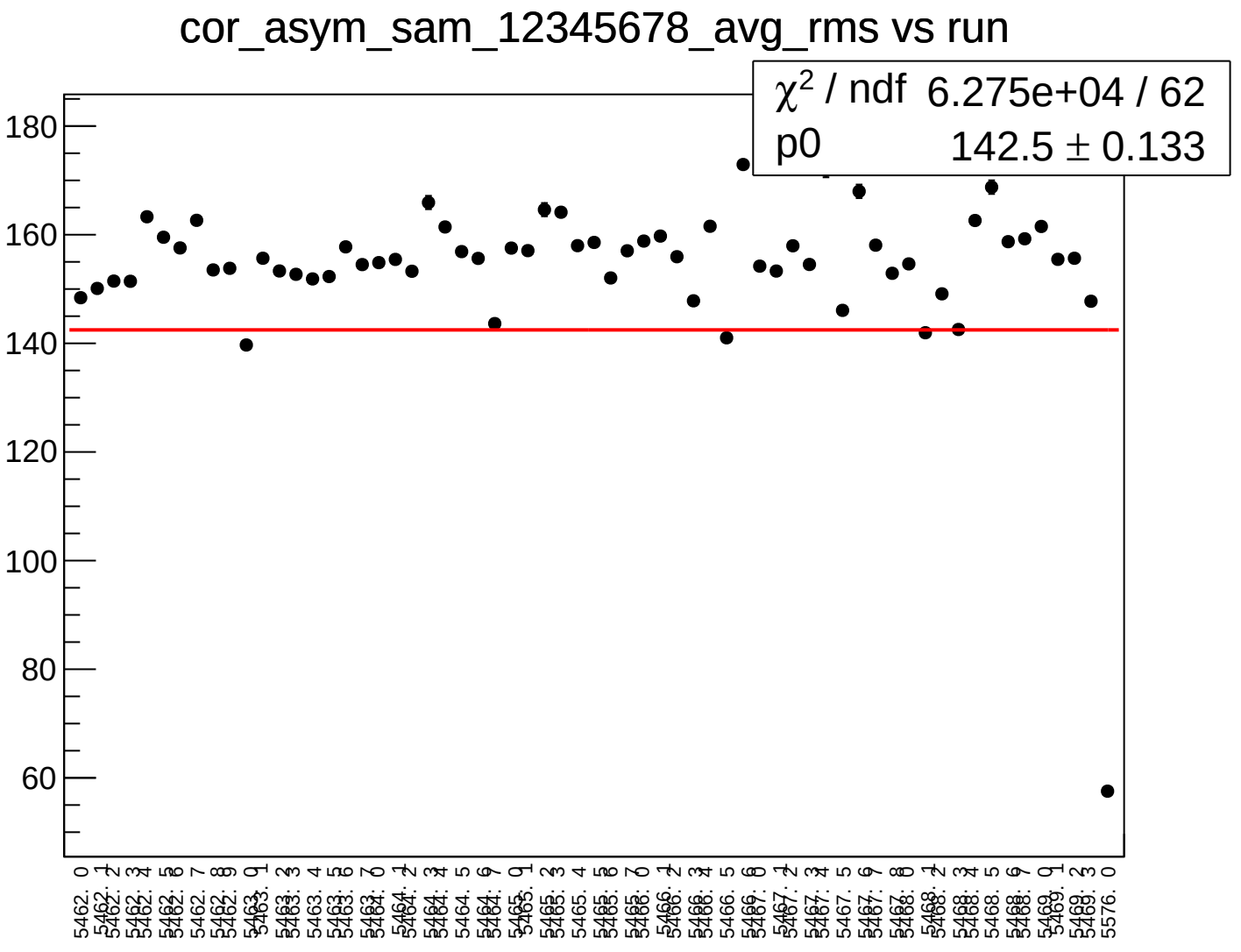

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 66.89 / 62
p0 734.6 ± 1355
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 39.09
Std Dev 0
3
2
1
0
−1
−2

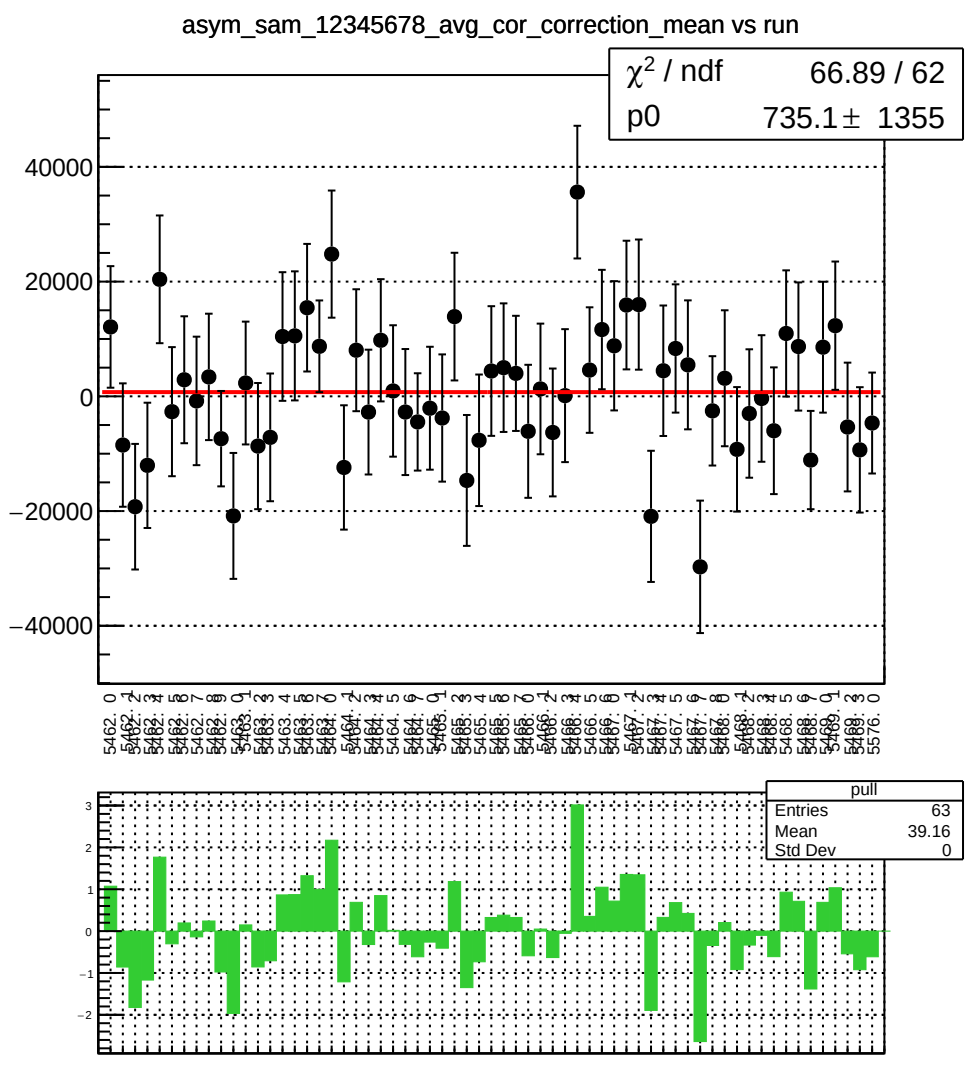

pull1D
Entries 63
Mean 0.01139
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

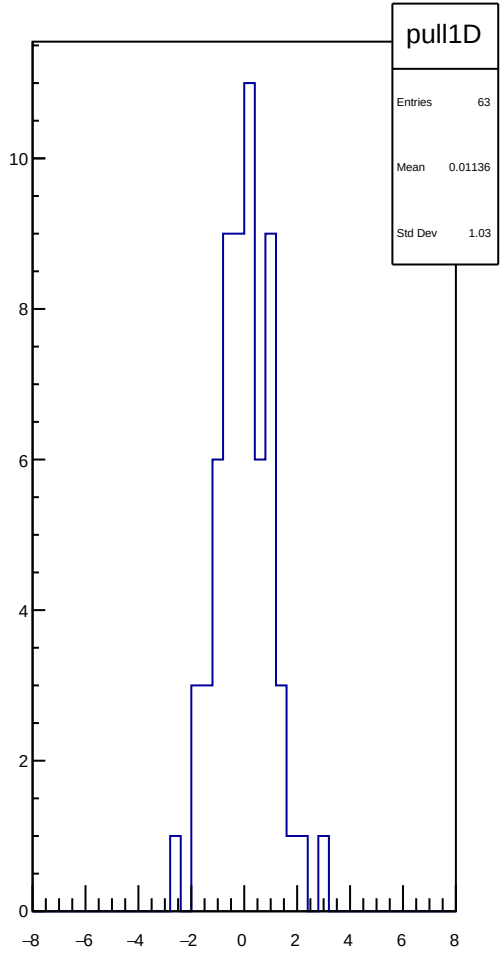

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 821.9 / 62
p0 1054 ± 0.9582
1140
1120
1100
1080
1060
1040
1020
1000
980
960

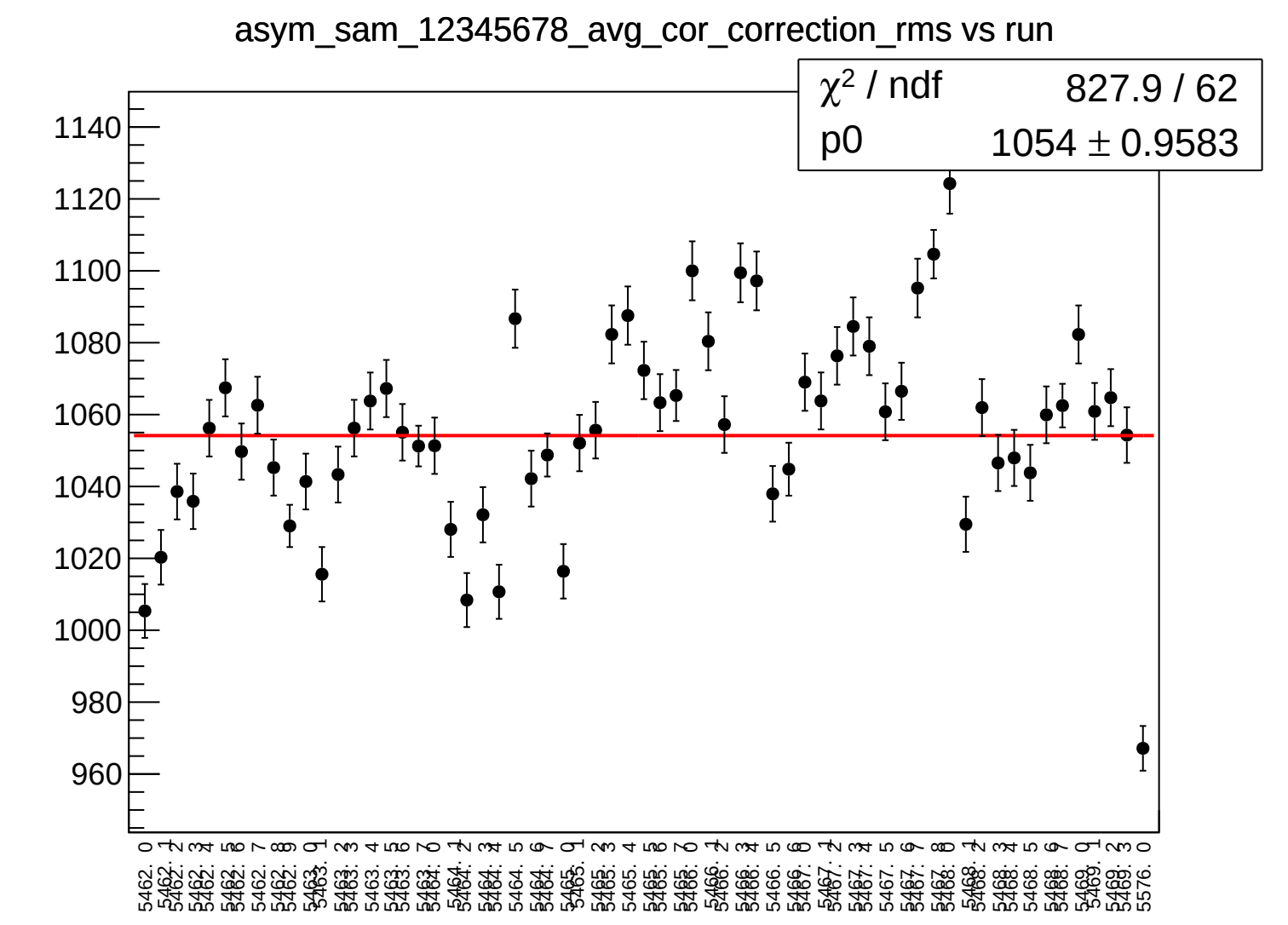

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 42.78 / 62
p0 81.71 ± 188
pull
Entries 63
Mean 51.79
Std Dev 0

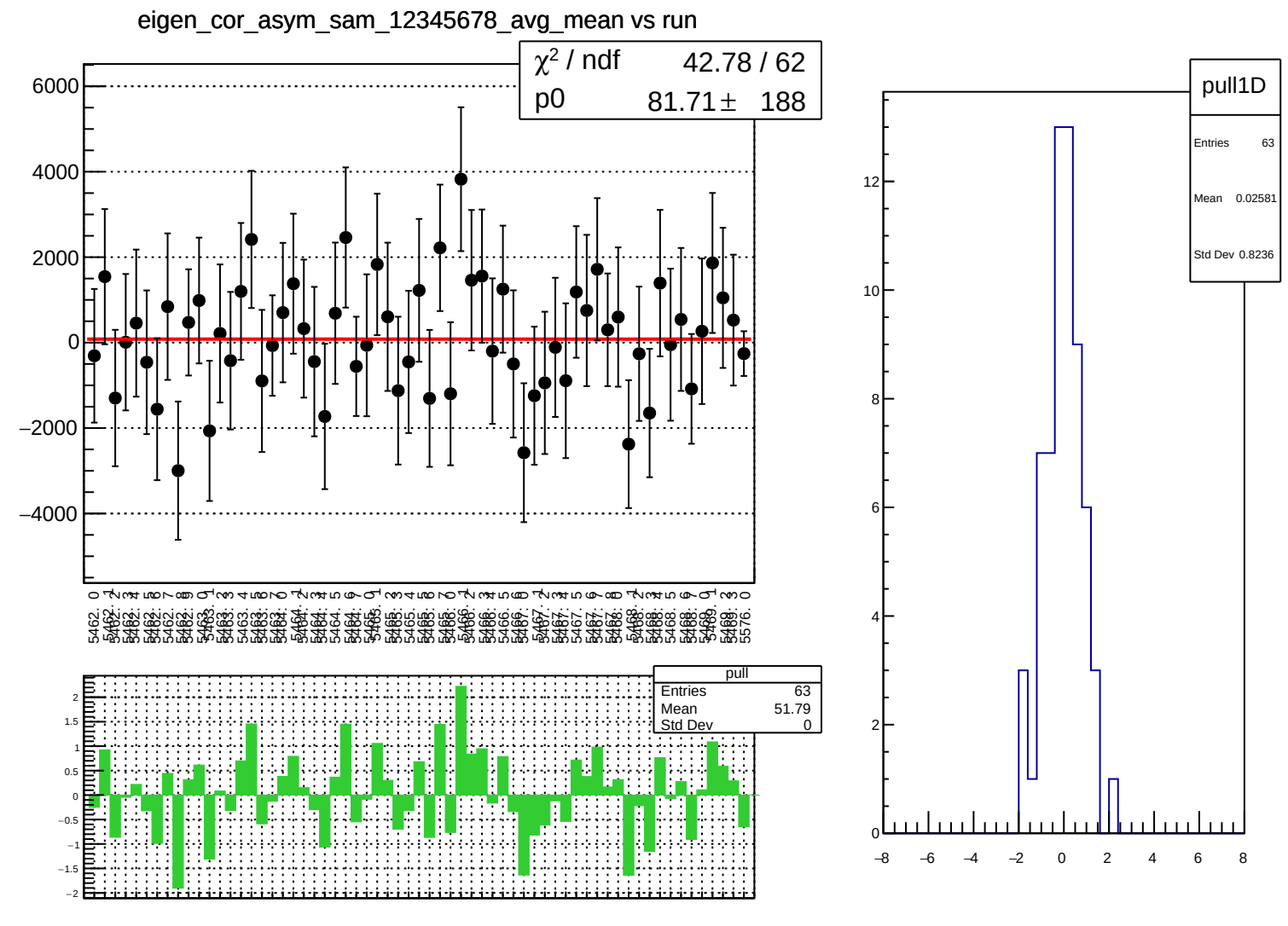

pull1D
Entries 63
Mean 0.02581
Std Dev 0.8236

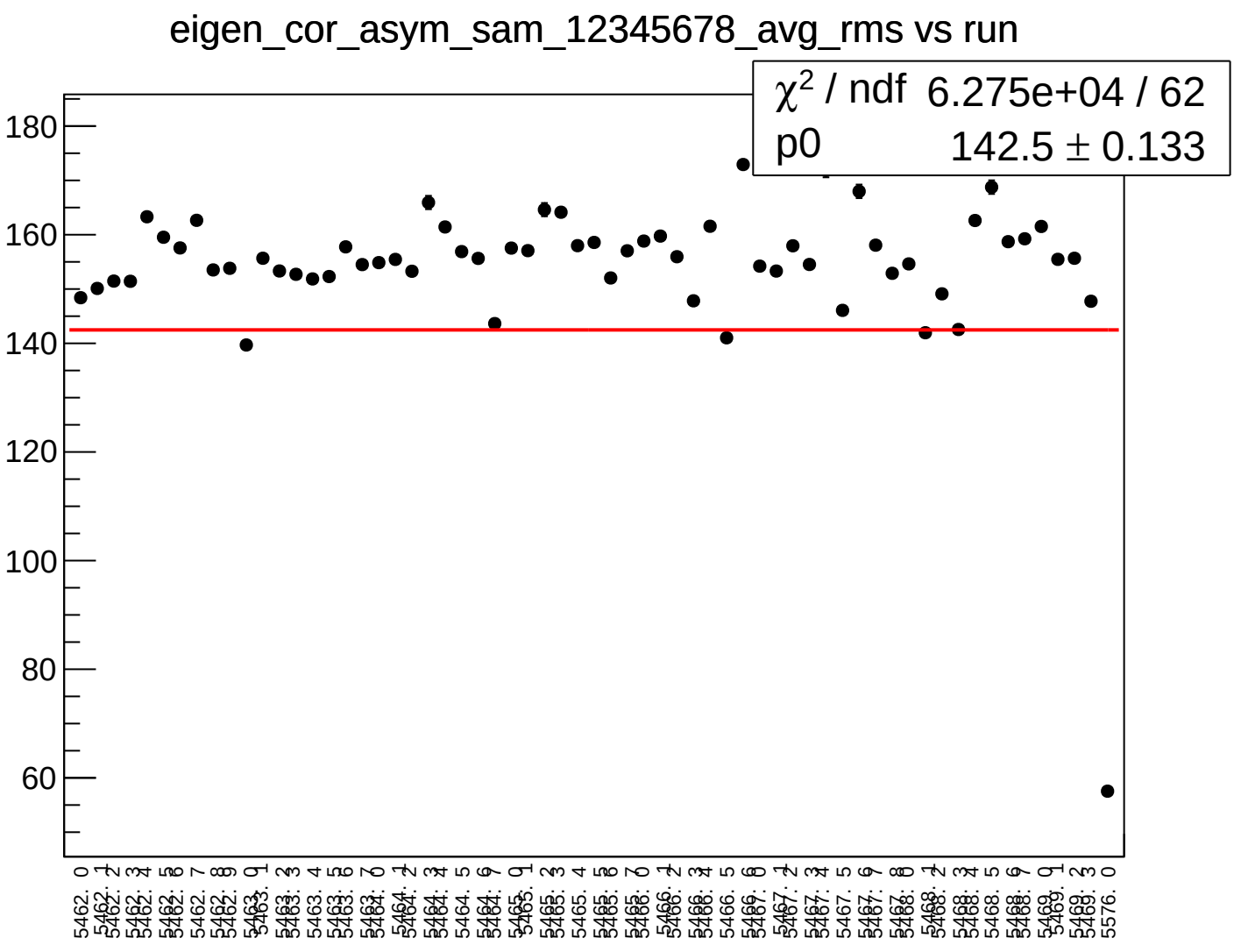

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 6.275e+04 / 62
p0 142.5 ± 0.133
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
5465. 2
5465. 3
5465. 4
5465. 5
5465. 6
5465. 7
5466. 1
5466. 2
5466. 3
5466. 4
5466. 5
5466. 6
5467. 1
5467. 2
5467. 3
5467. 4
5467. 5
5467. 6
5467. 7
5467. 8
5468. 1
5468. 2
5468. 3
5468. 4
5468. 5
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 66.89 / 62
p0 735.1 ± 1355
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 39.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01136
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 827.9 / 62
p0 1054 ± 0.9583
1140
1120
1100
1080
1060
1040
1020
1000
980
960


eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 42.78 / 62
p0 81.71 ± 188
pull
Entries 63
Mean 51.79
Std Dev 0
pull1D
Entries 63
Mean 0.02581
Std Dev 0.8236


eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 6.275e+04 / 62
p0 142.5 ± 0.133
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
5462. 9
5463. 1
5463. 2
5463. 3
5463. 4
5463. 5
5463. 6
5463. 7
5464. 1
5464. 2
5464. 3
5464. 4
5464. 5
5464. 6
5464. 7
5465. 1
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5466. 2
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5468. 1
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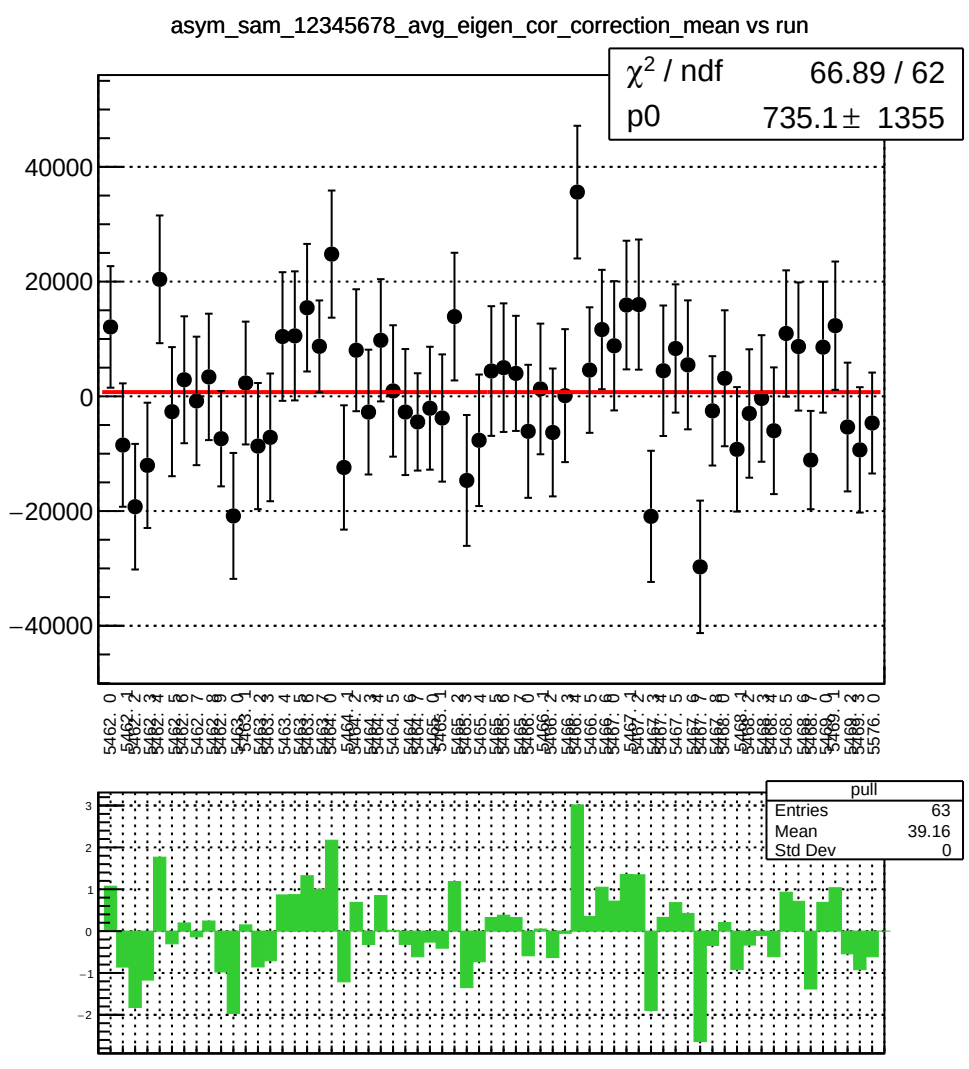
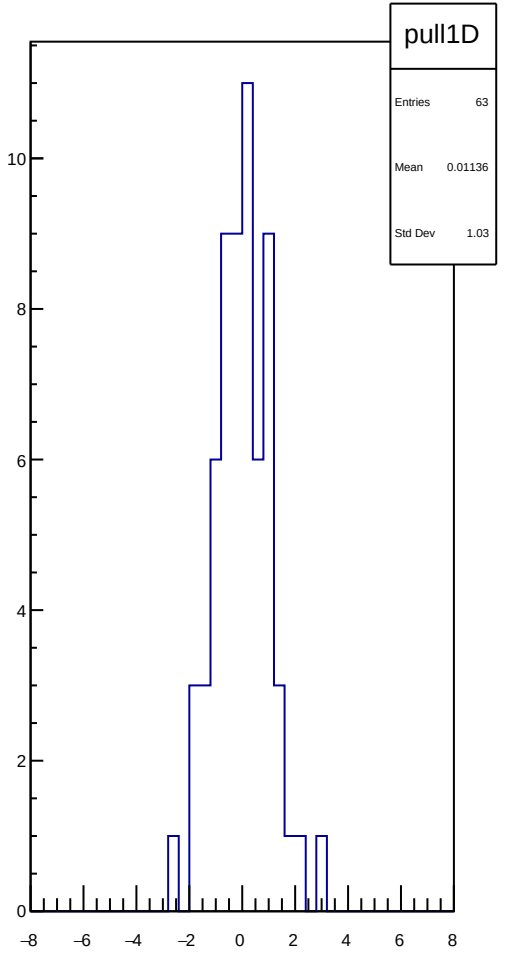
5468. 6
5468. 7
5469. 1
5469. 2
5469. 3
5576. 0


asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.89 / 62
p0 735.1 ± 1355
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 39.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01136
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
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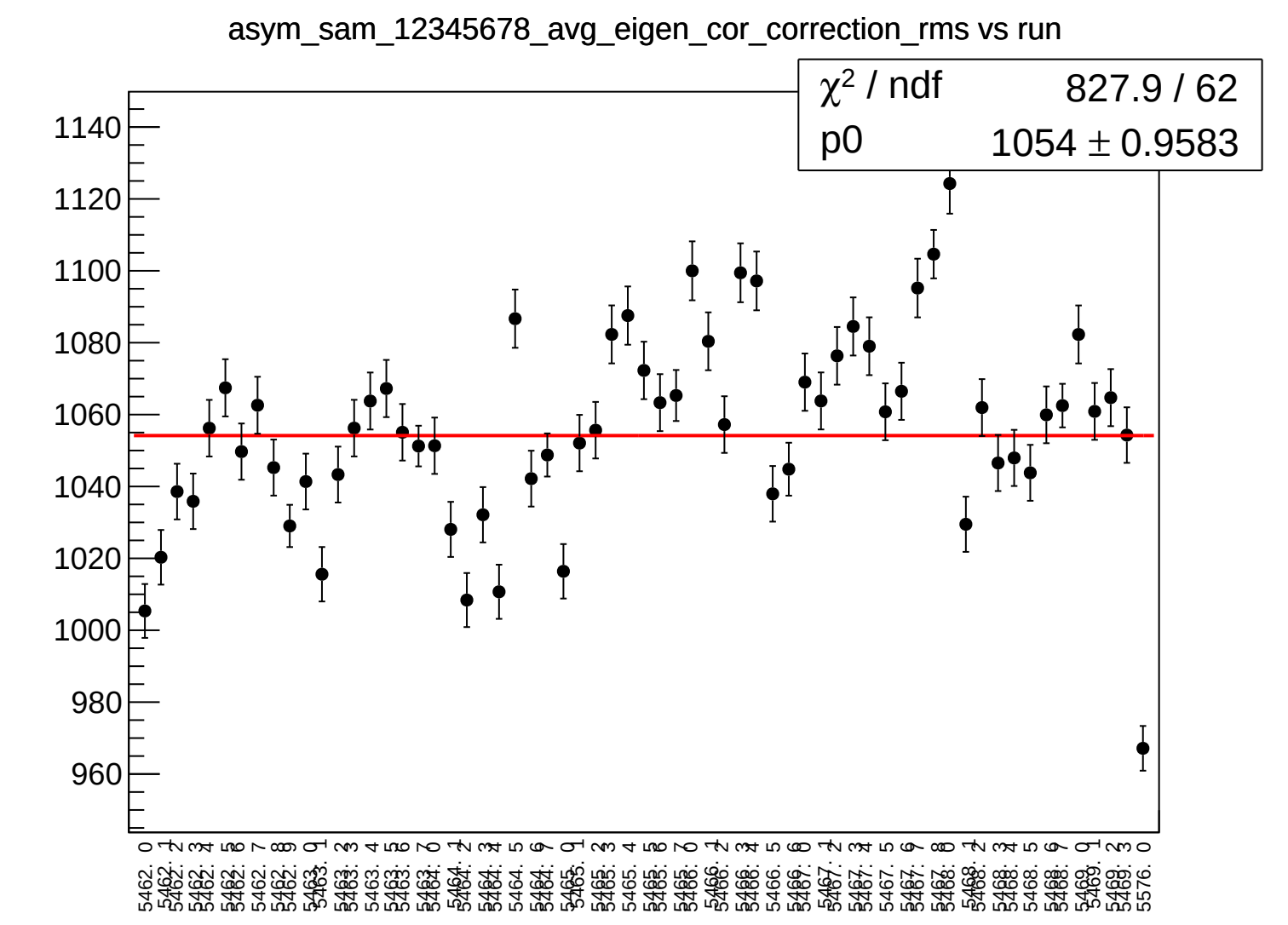
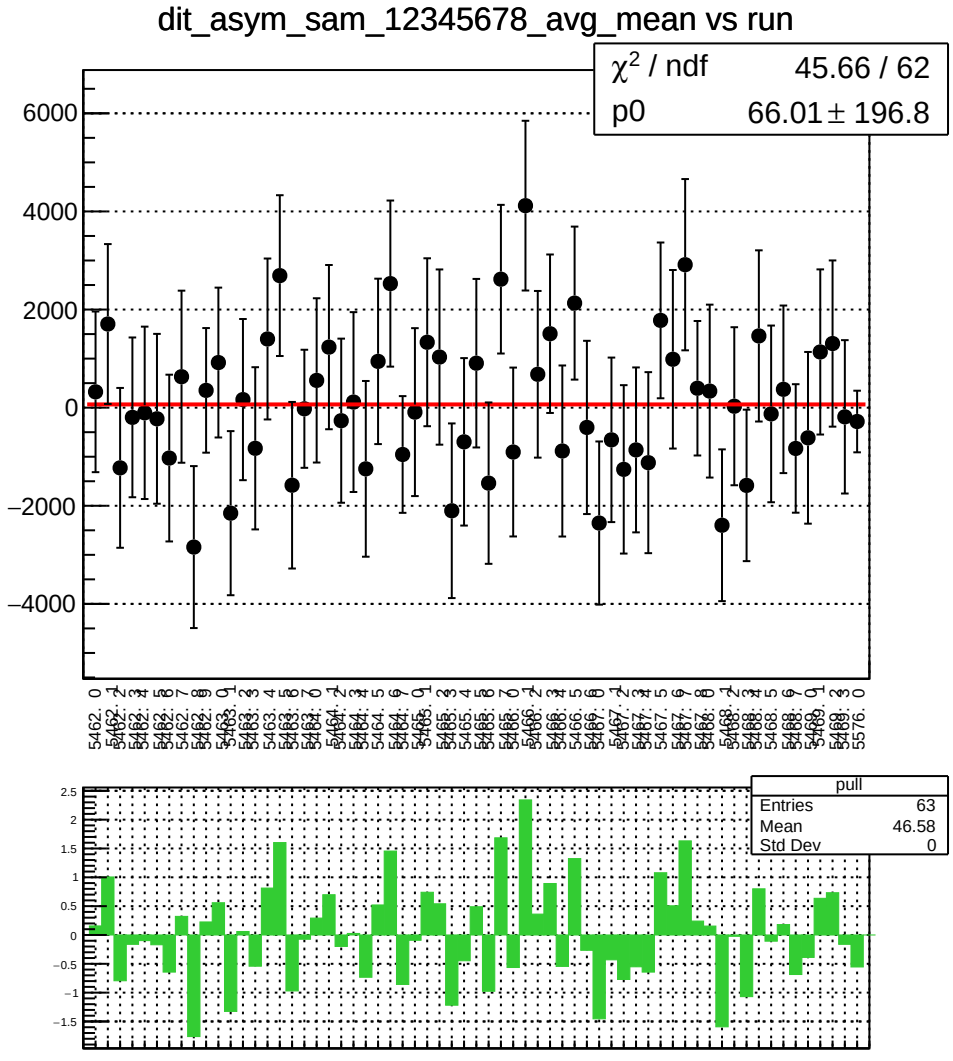
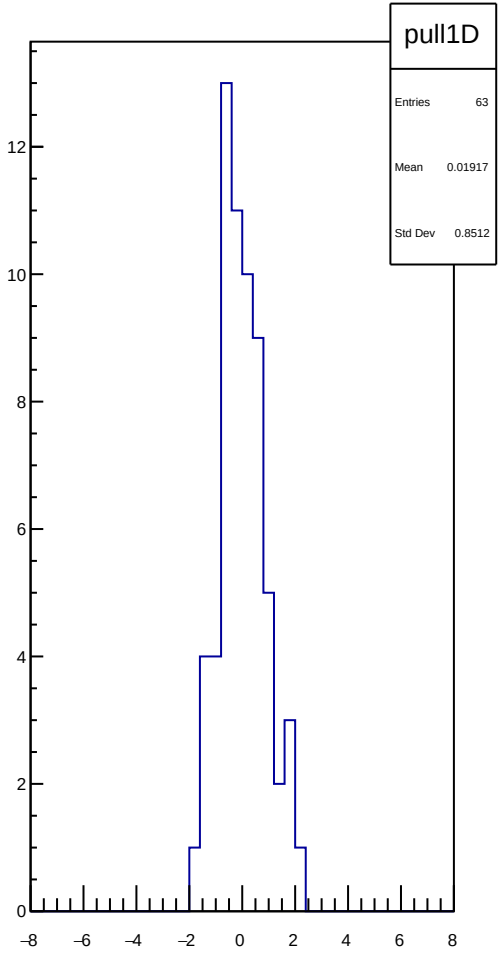
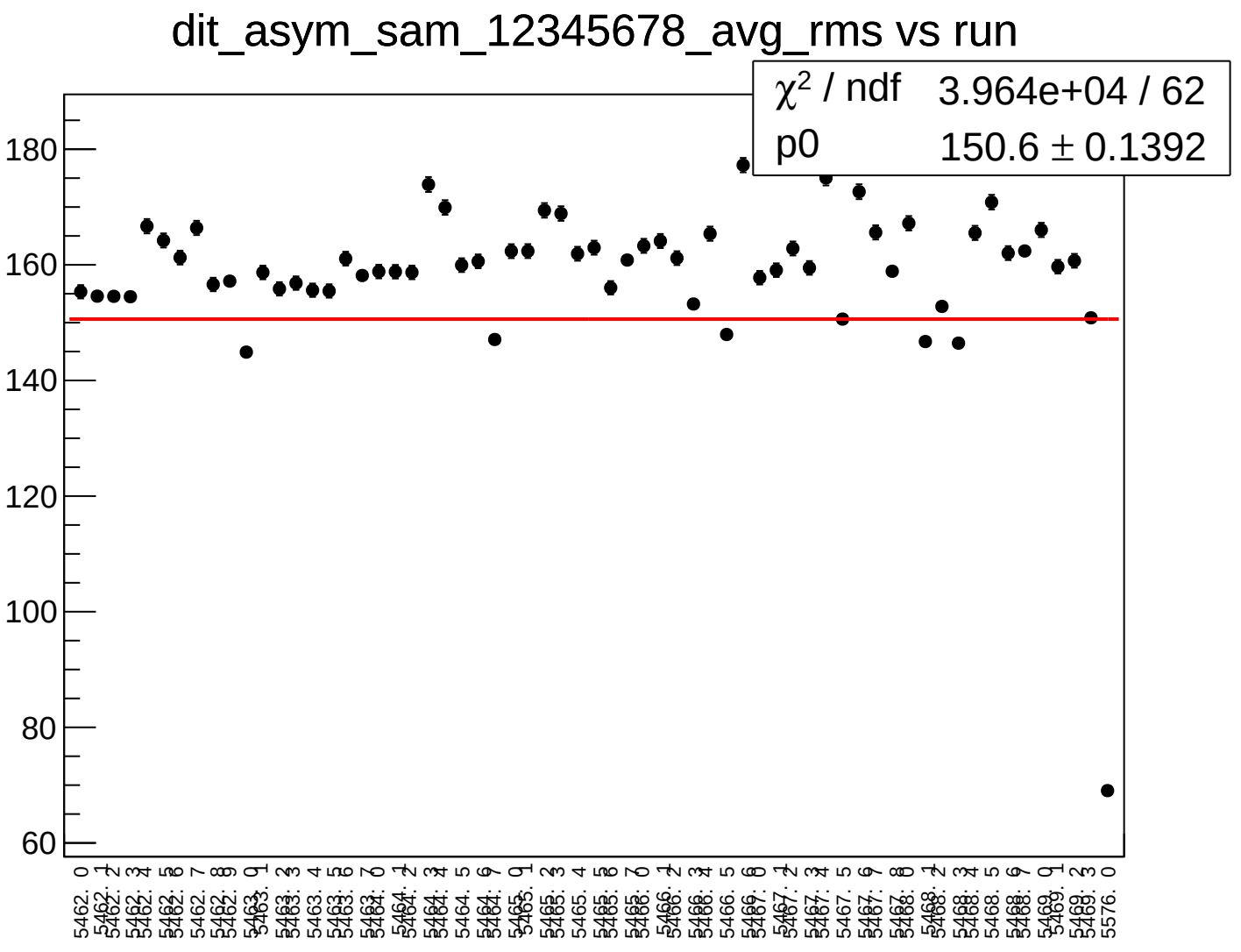
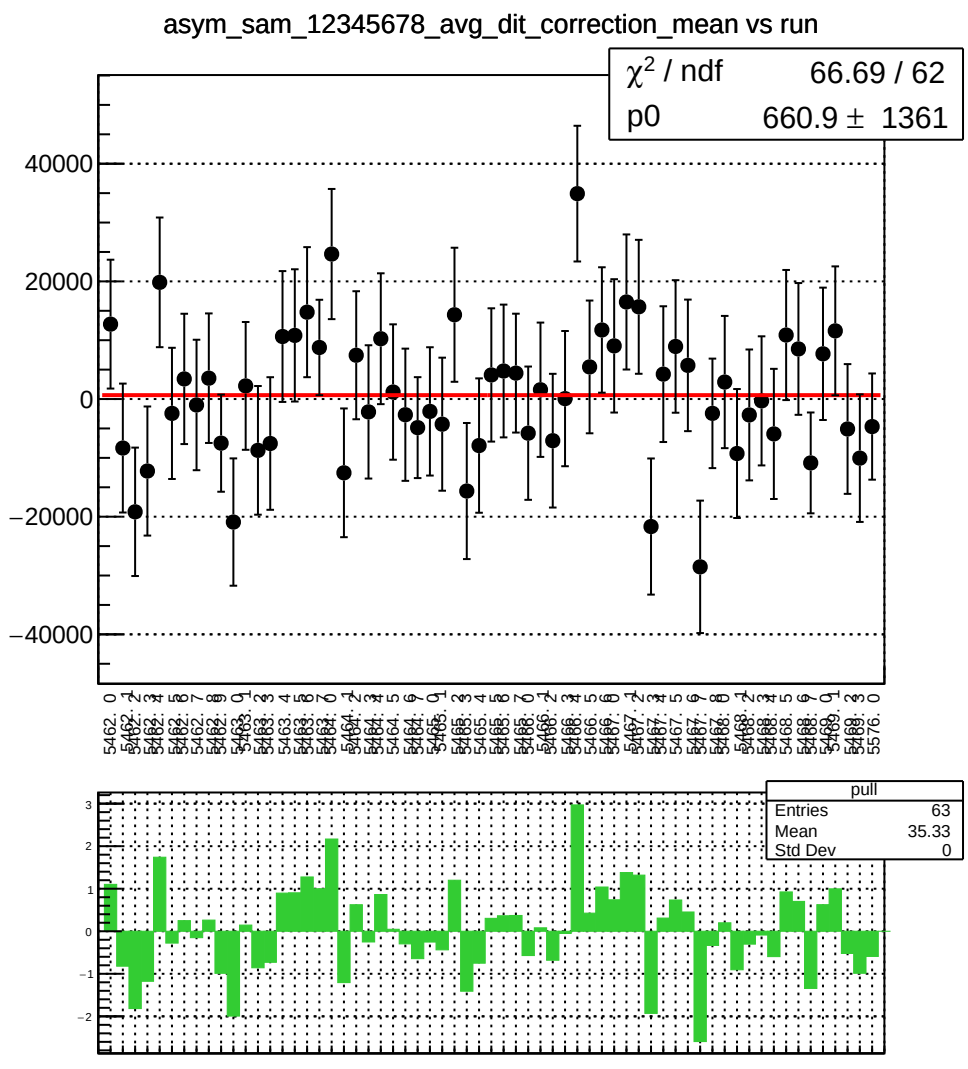
2
4
6
8

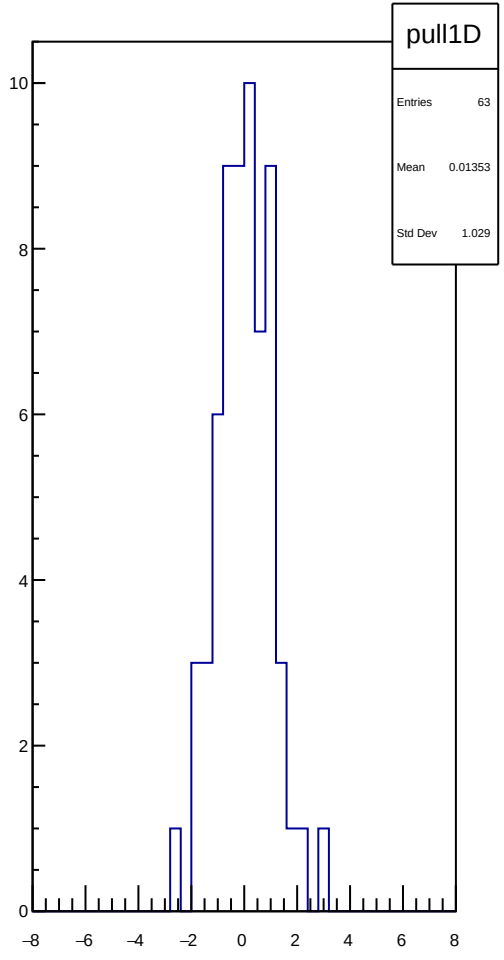

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 827.9 / 62
p0 1054 ± 0.9583
1140
1120
1100
1080
1060
1040
1020
1000
980
960

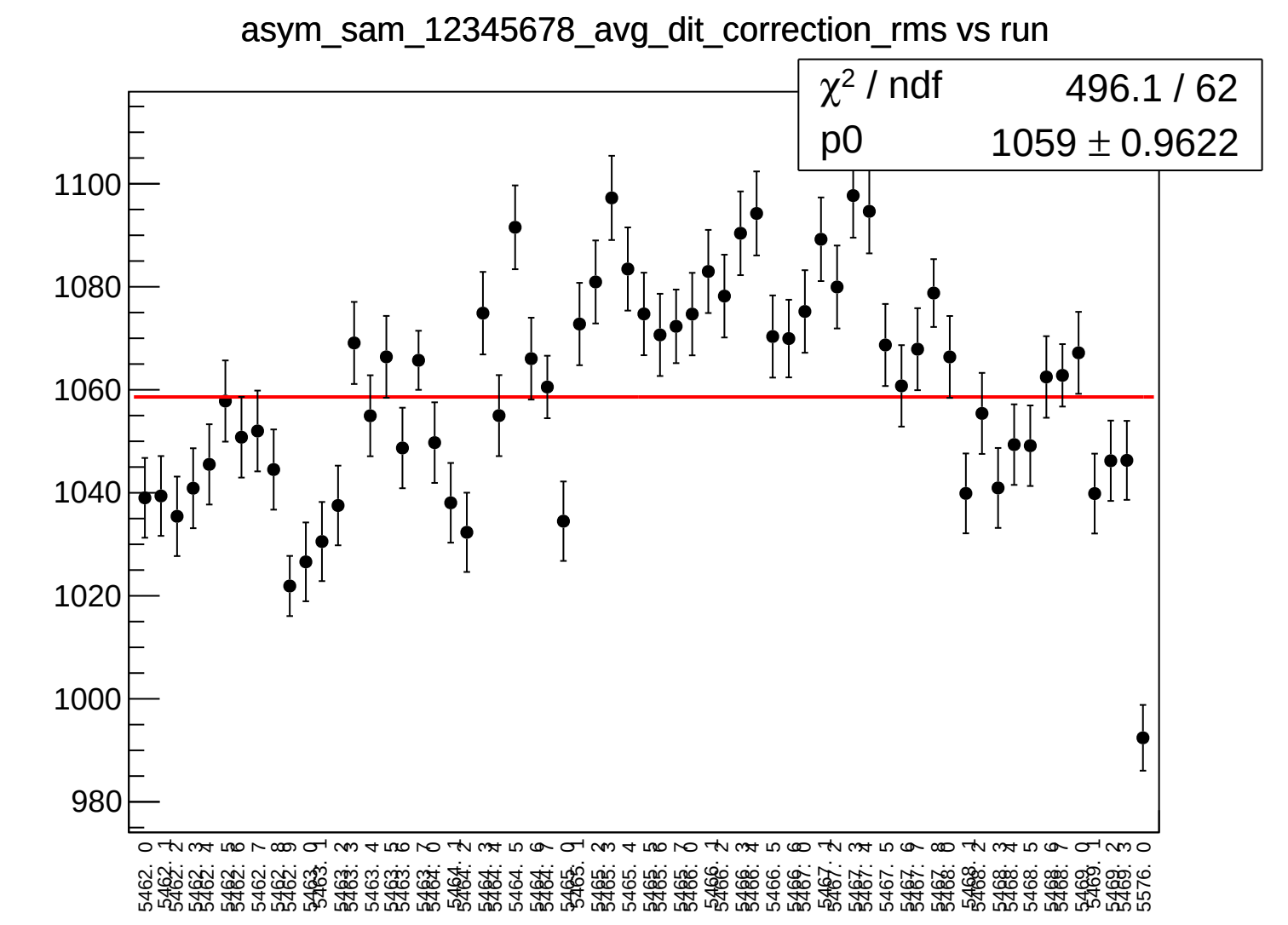

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 45.66 / 62
p0 66.01 ± 196.8
pull
Entries 63
Mean 46.58
Std Dev 0

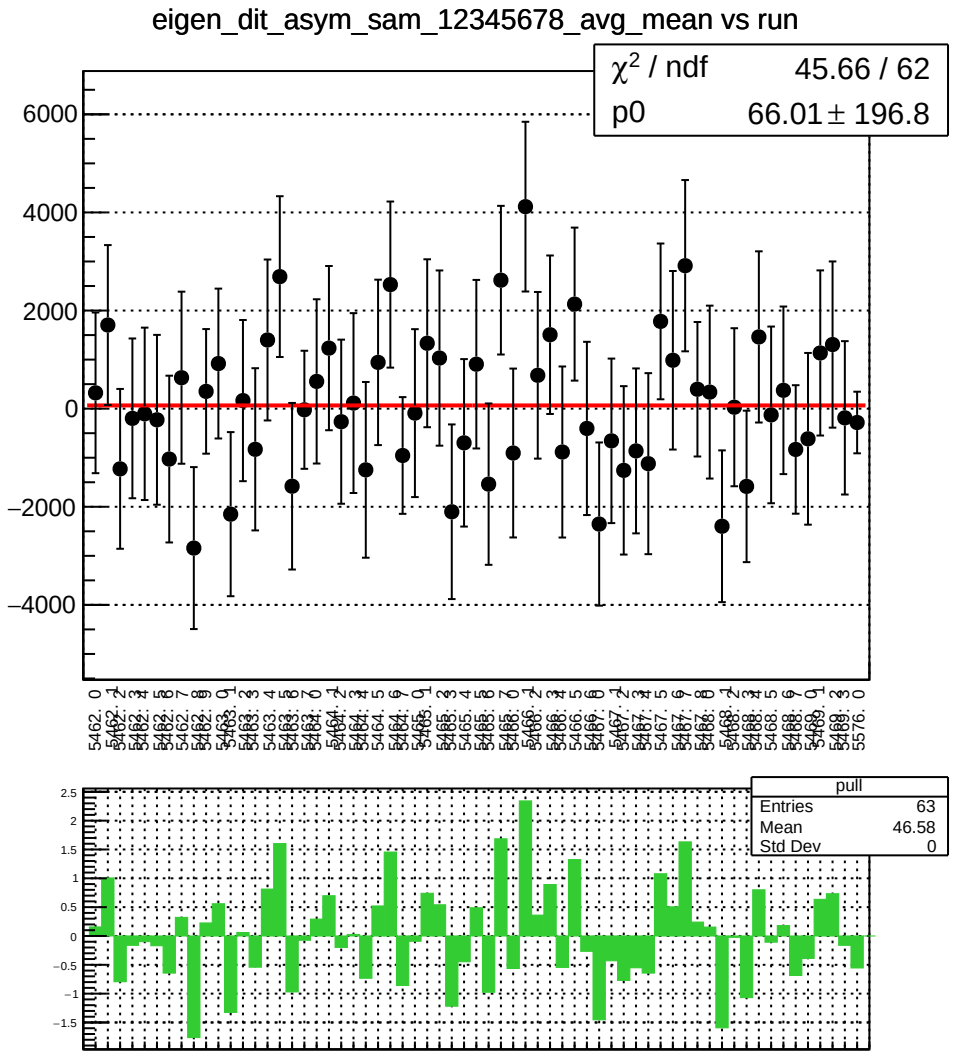

pull1D
Entries 63
Mean 0.01917
Std Dev 0.8512

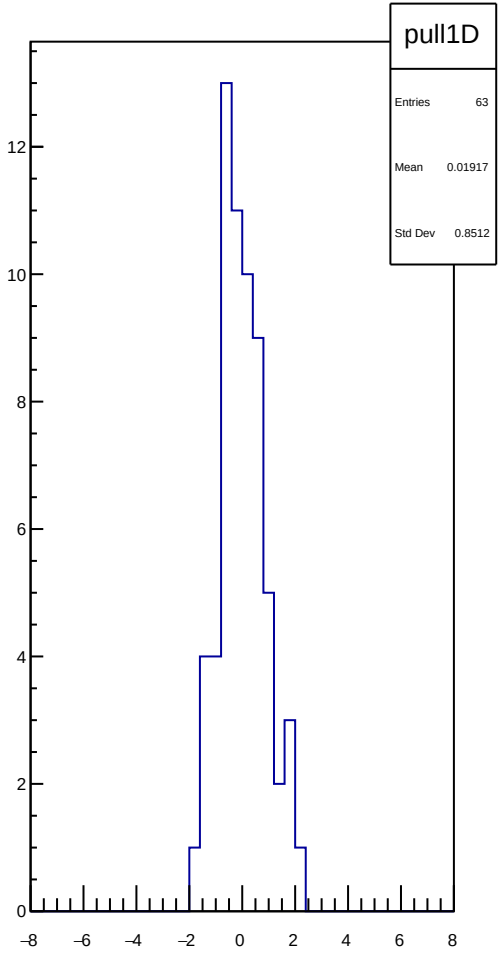

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.964e+04 / 62
p0 150.6 ± 0.1392
180
160
140
120
100
80
60

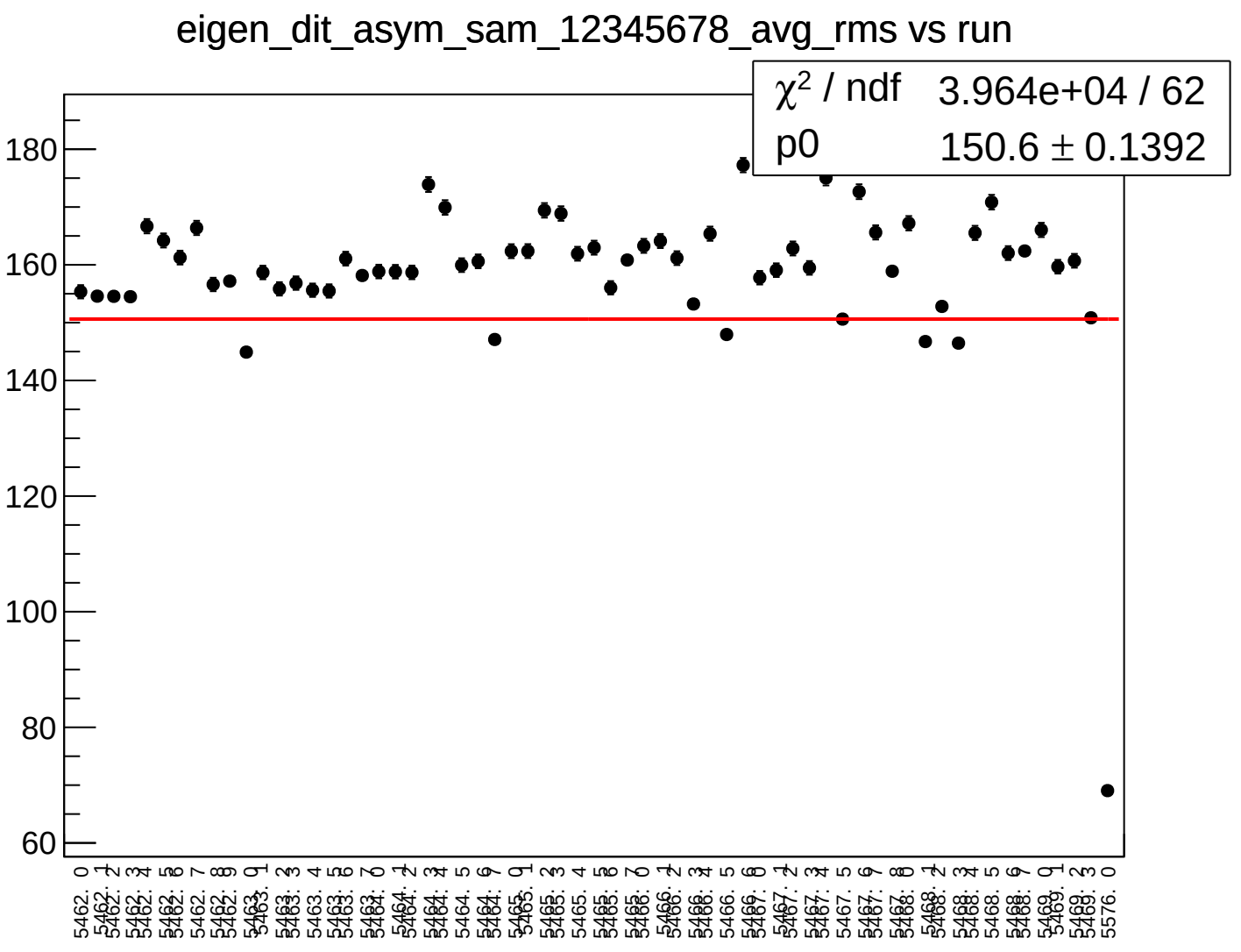

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 66.69 / 62
p0 660.9 ± 1361
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 35.33
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 63
Mean 0.01353
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 496.1 / 62
p0 1059 ± 0.9622
1100
1080
1060
1040
1020
1000
980


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 45.66 / 62
p0 66.01 ± 196.8
pull
Entries 63
Mean 46.58
Std Dev 0


pull1D
Entries 63
Mean 0.01917
Std Dev 0.8512


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.964e+04 / 62
p0 150.6 ± 0.1392
180
160
140
120
100
80
60
5462. 0
5462. 1
5462. 2
5462. 3
5462. 4
5462. 5
5462. 6
5462. 7
5462. 8
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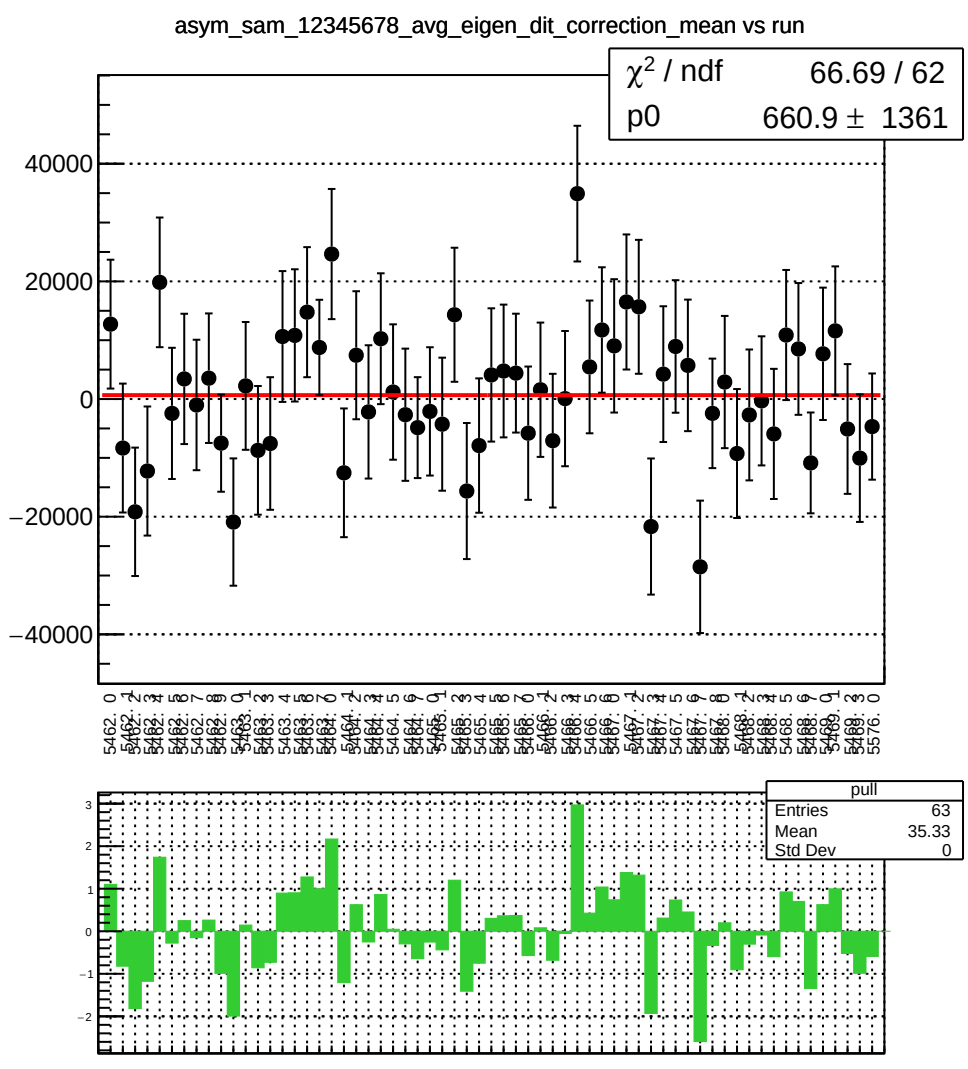
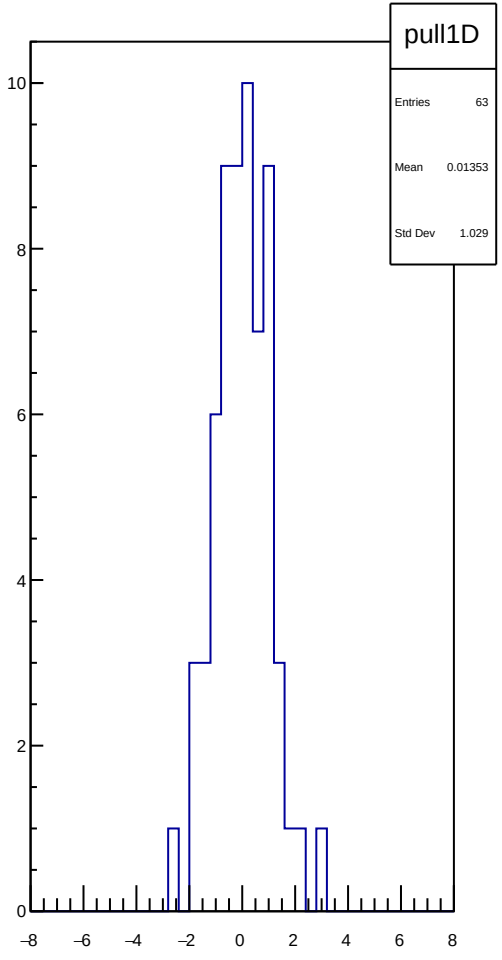
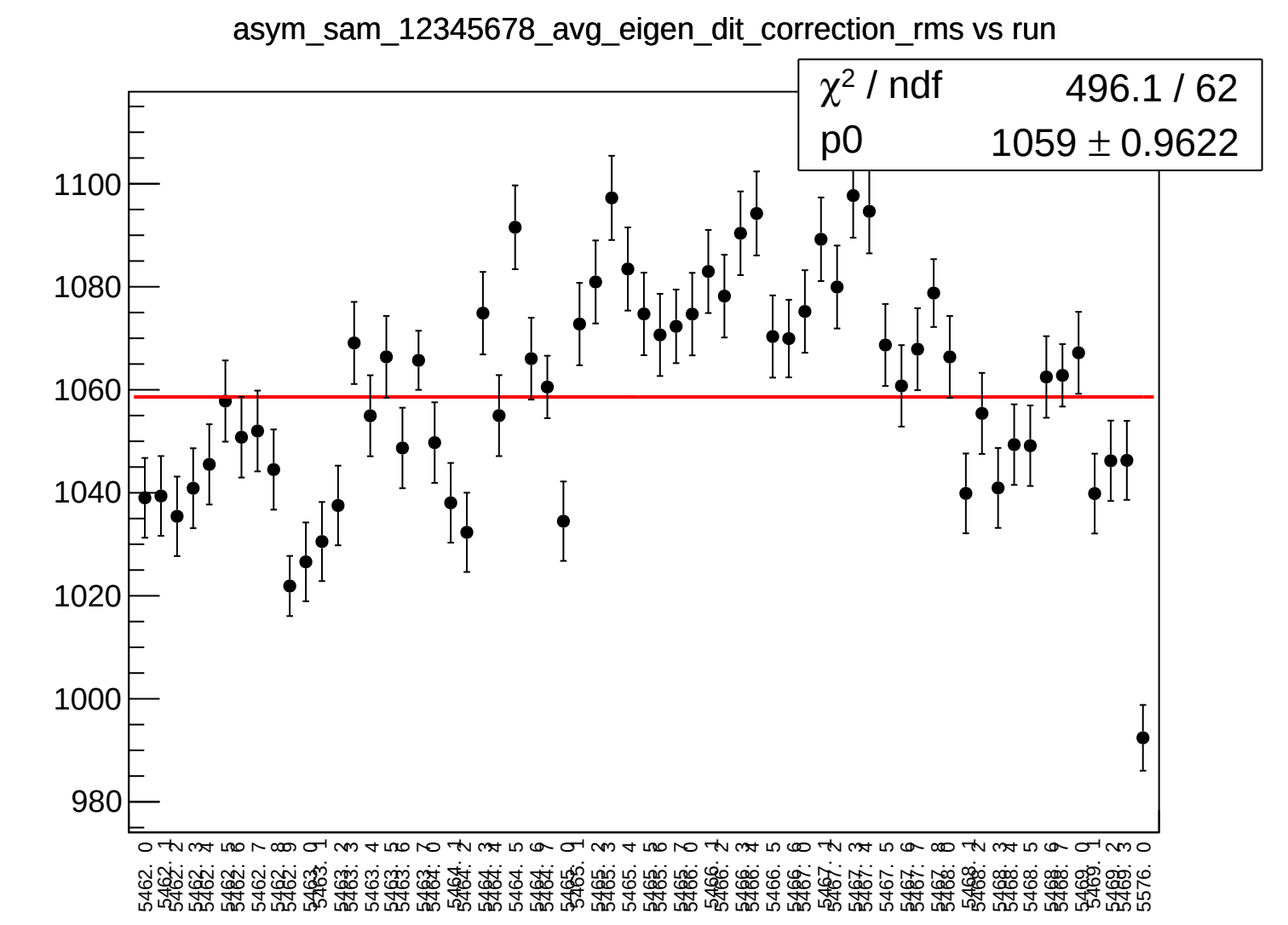
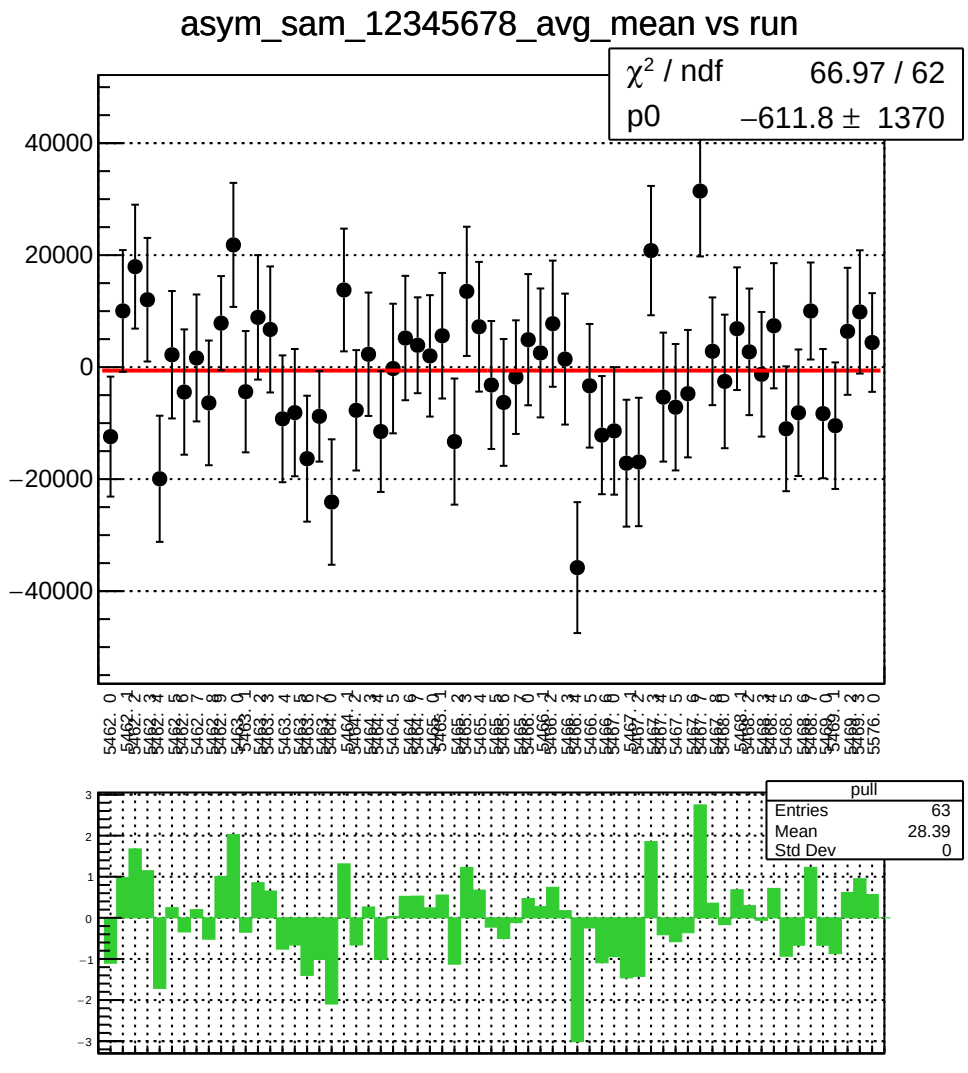
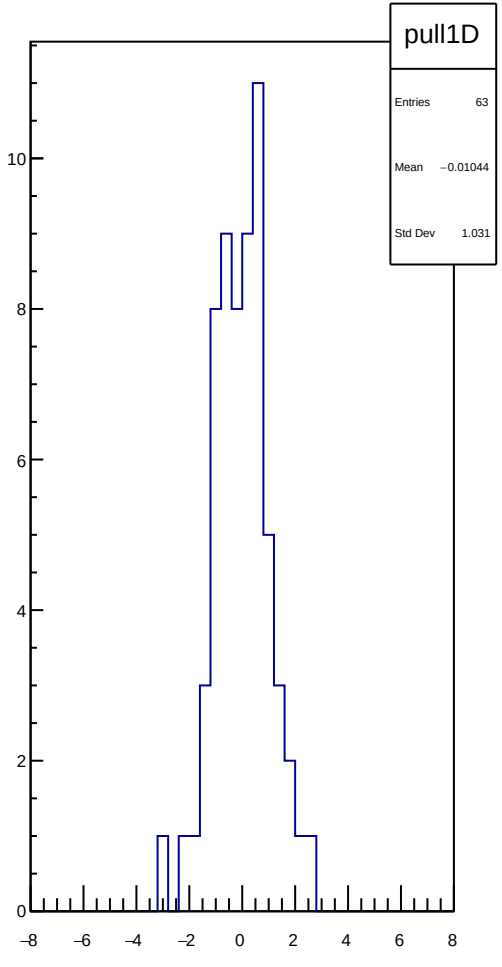
5576. 0

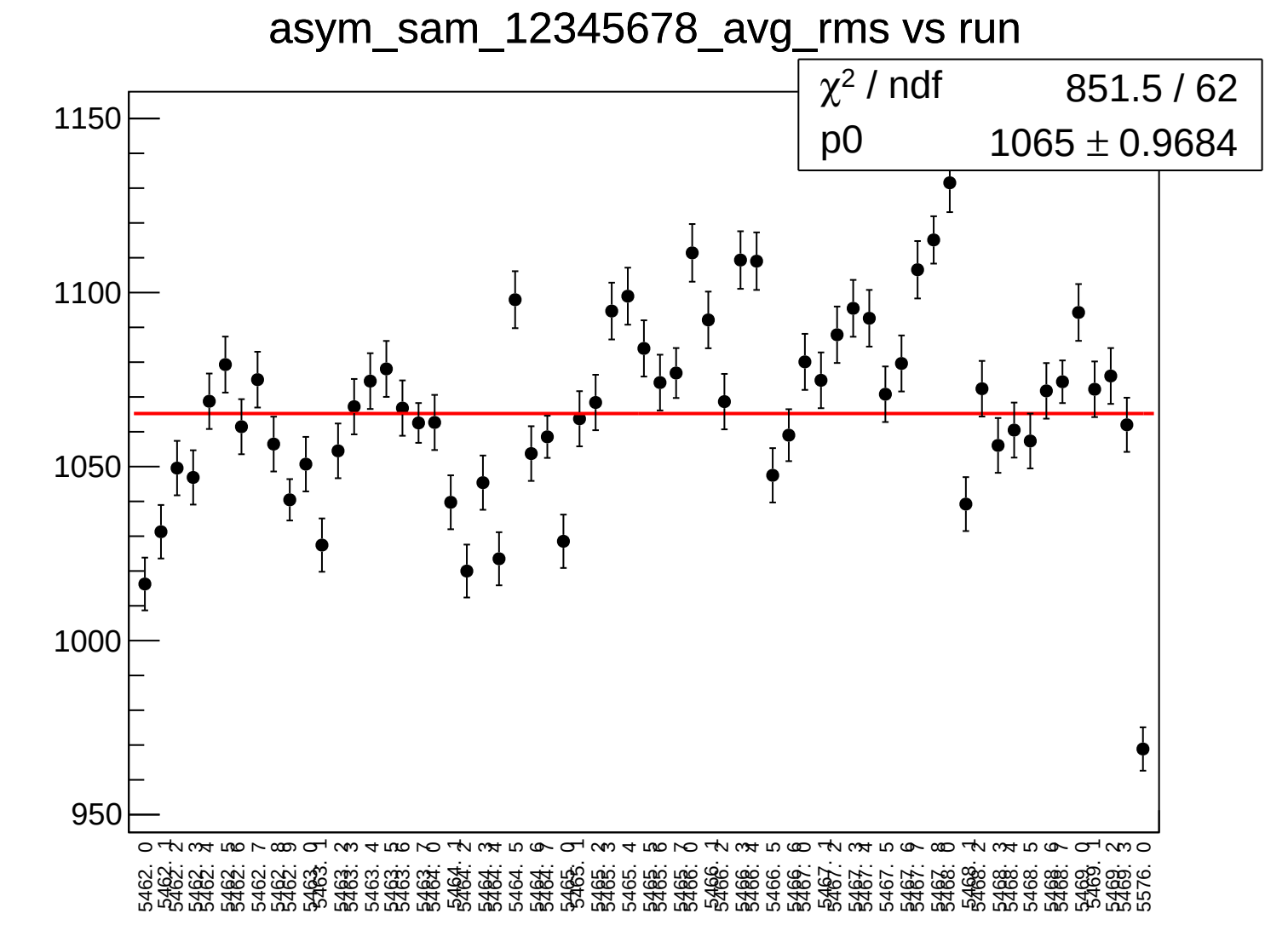

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.69 / 62
p0 660.9 ± 1361
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 35.33
Std Dev 0
3
2
1
0
−1
−2

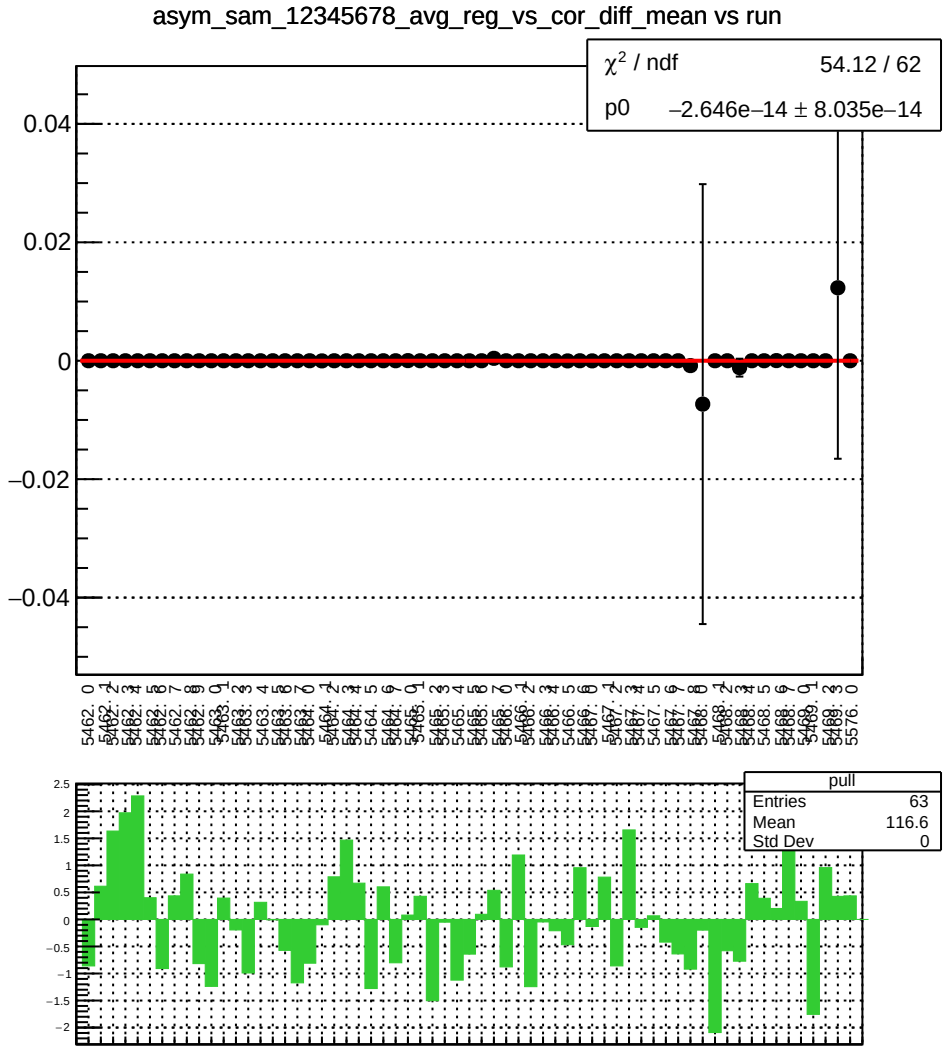

pull1D
Entries 63
Mean 0.01353
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

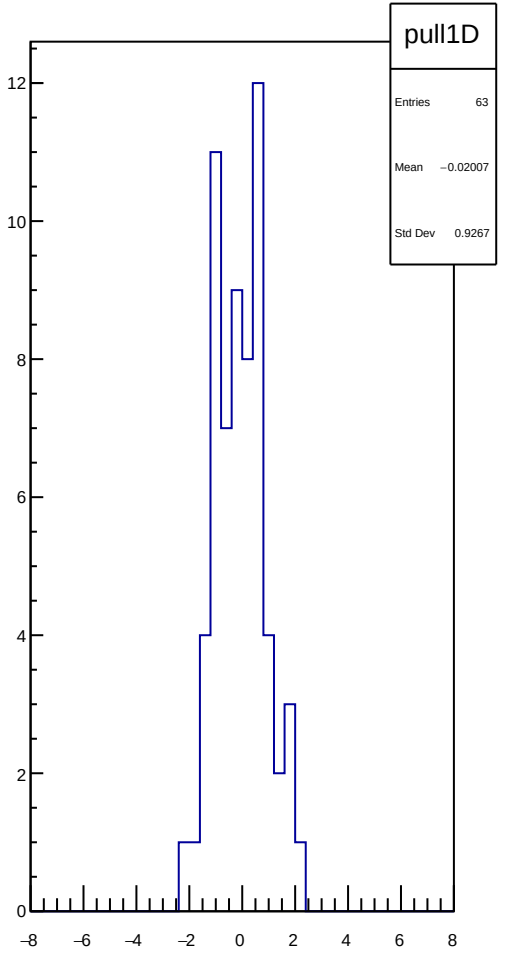

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 496.1 / 62
p0 1059 ± 0.9622
1100
1080
1060
1040
1020
1000
980

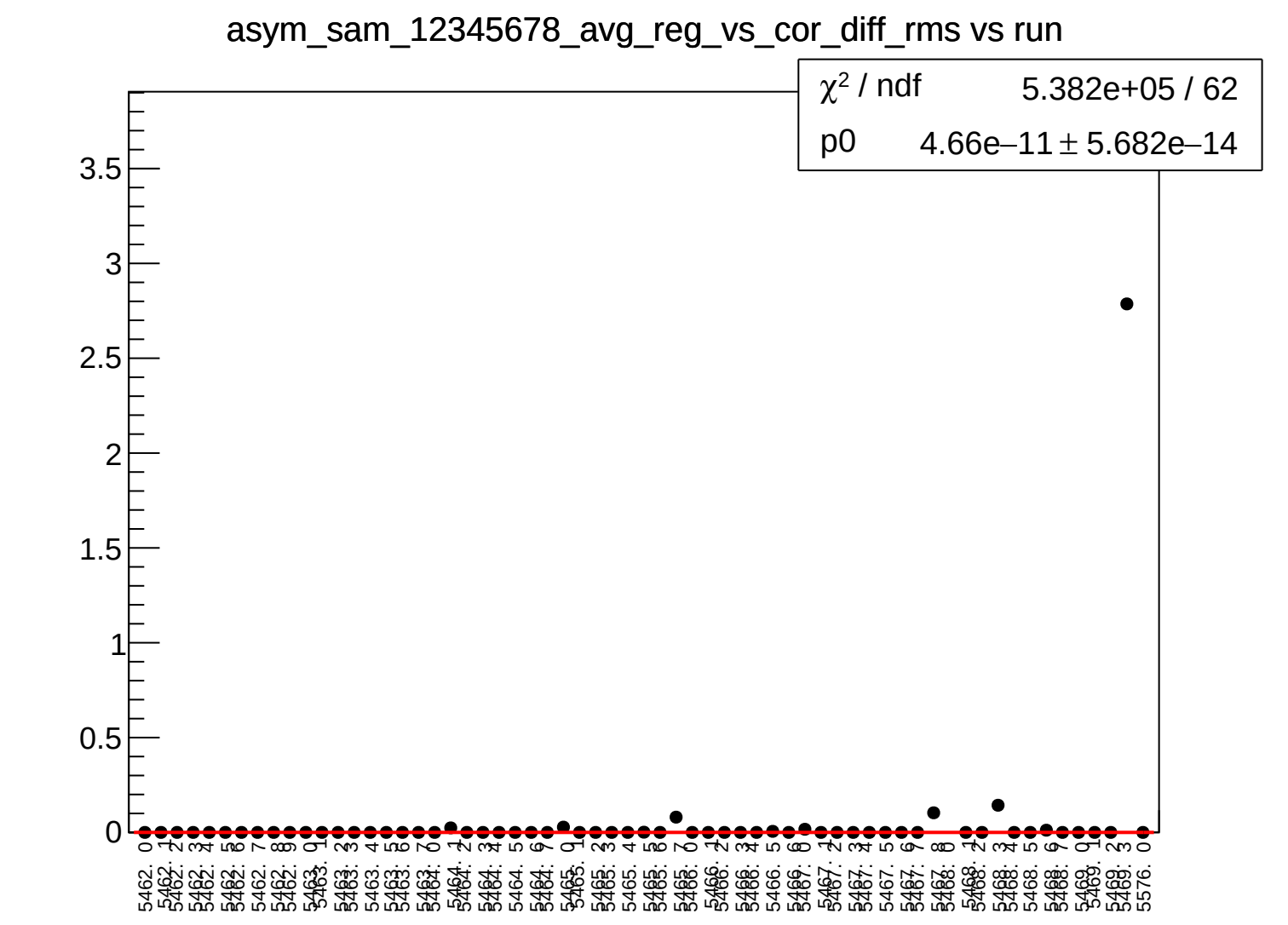

asym_sam_12345678_avg_mean vs run
χ² / ndf 66.97 / 62
p0 −611.8 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 63
Mean 28.39
Std Dev 0
3
2
1
0
−1
−2
−3

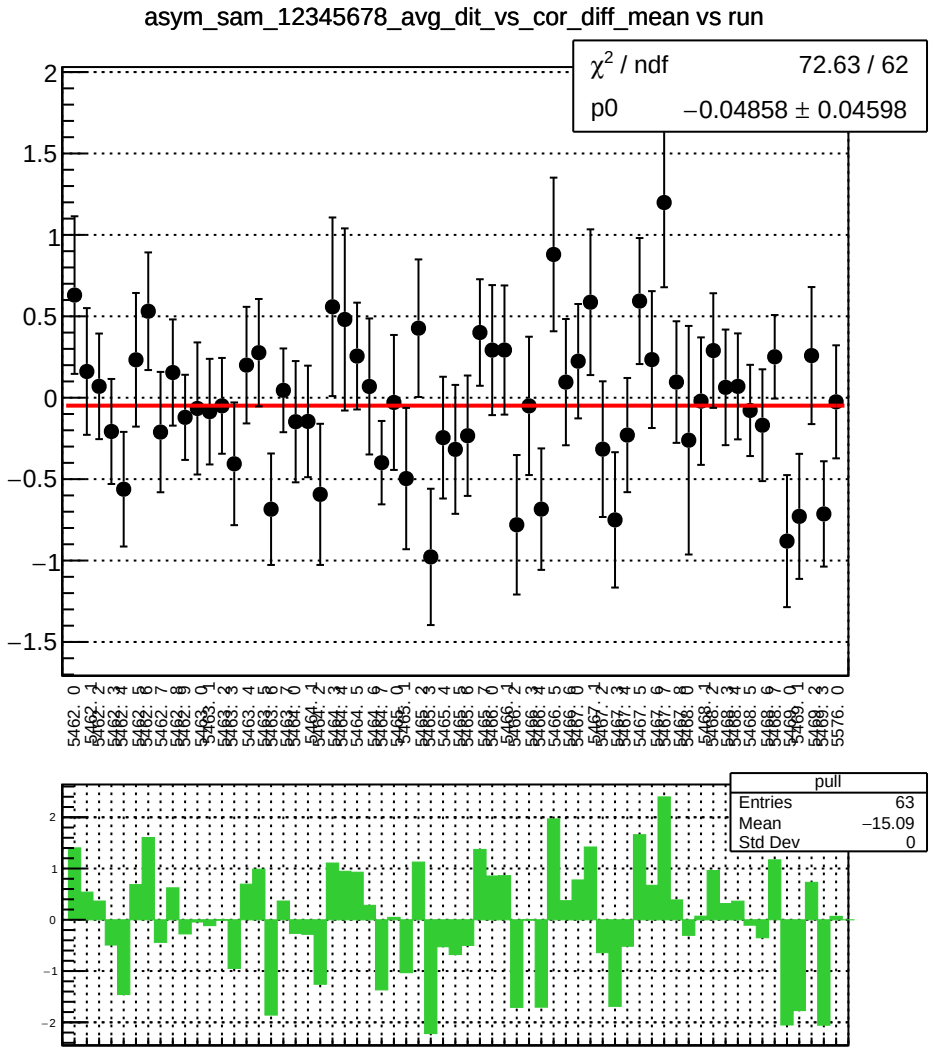

pull1D
Entries 63
Mean −0.01044
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

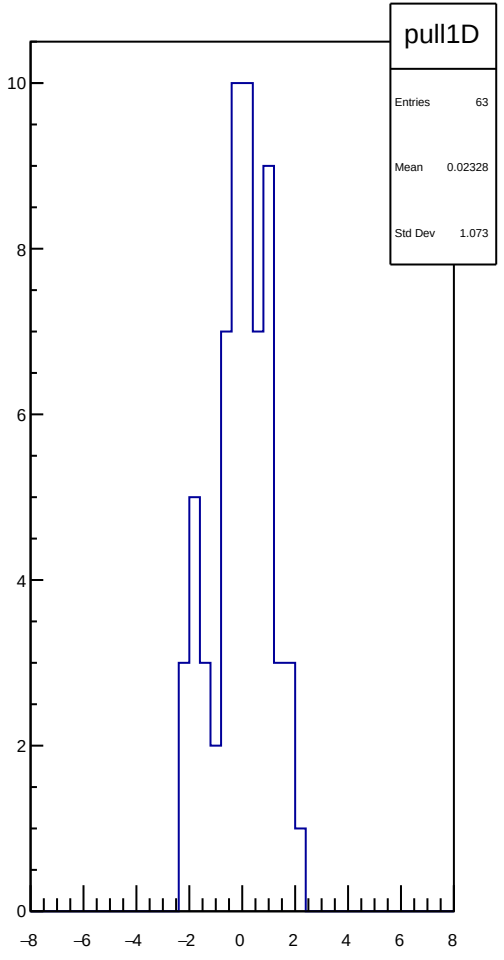

asym_sam_12345678_avg_rms vs run
χ² / ndf 851.5 / 62
p0 1065 ± 0.9684
1150
1100
1050
1000
950

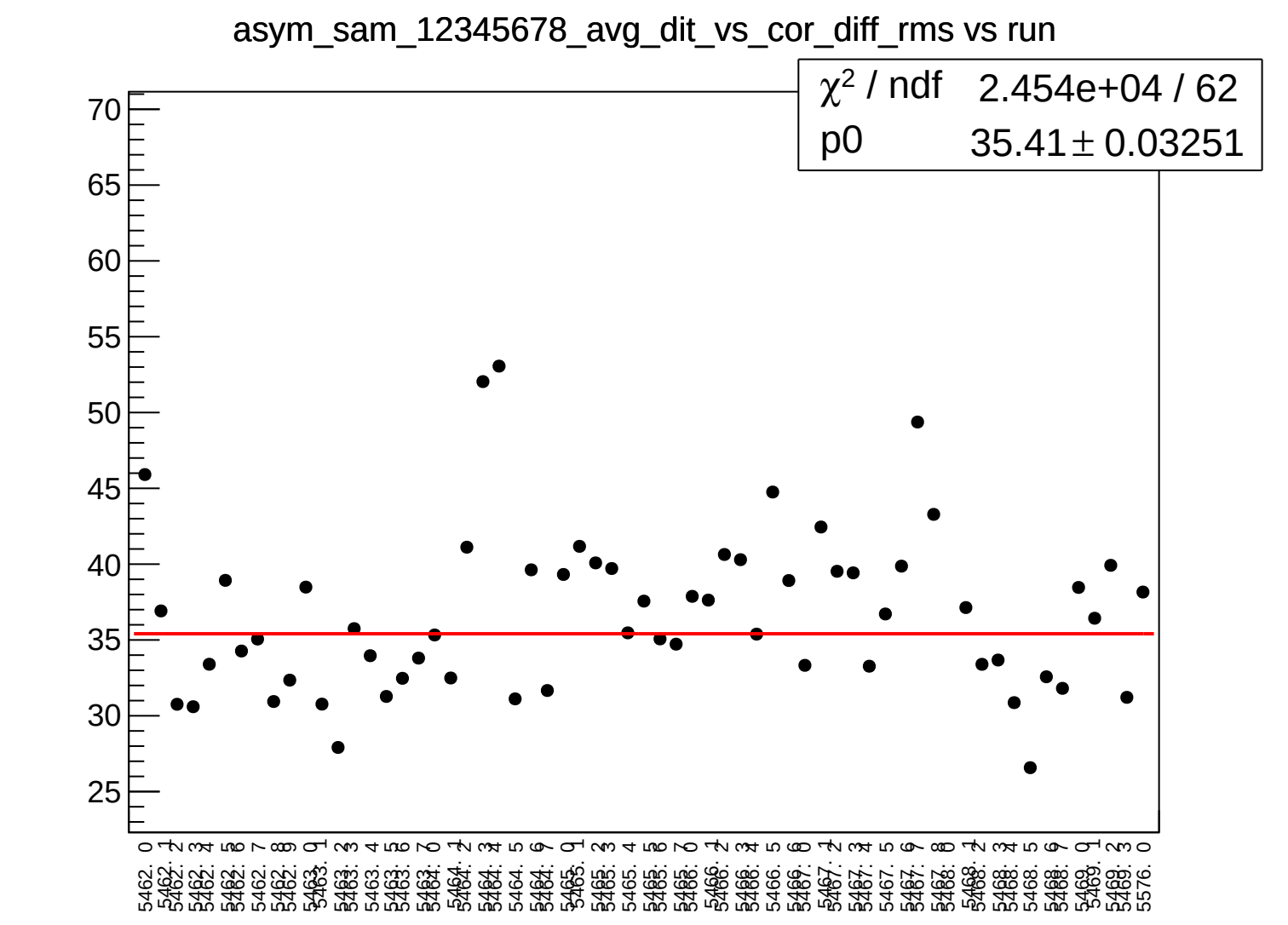

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.12 / 62
p0 −2.646e−14 ± 8.035e−14
0.04
0.02
0
−0.02
−0.04
pull
Entries 63
Mean 116.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

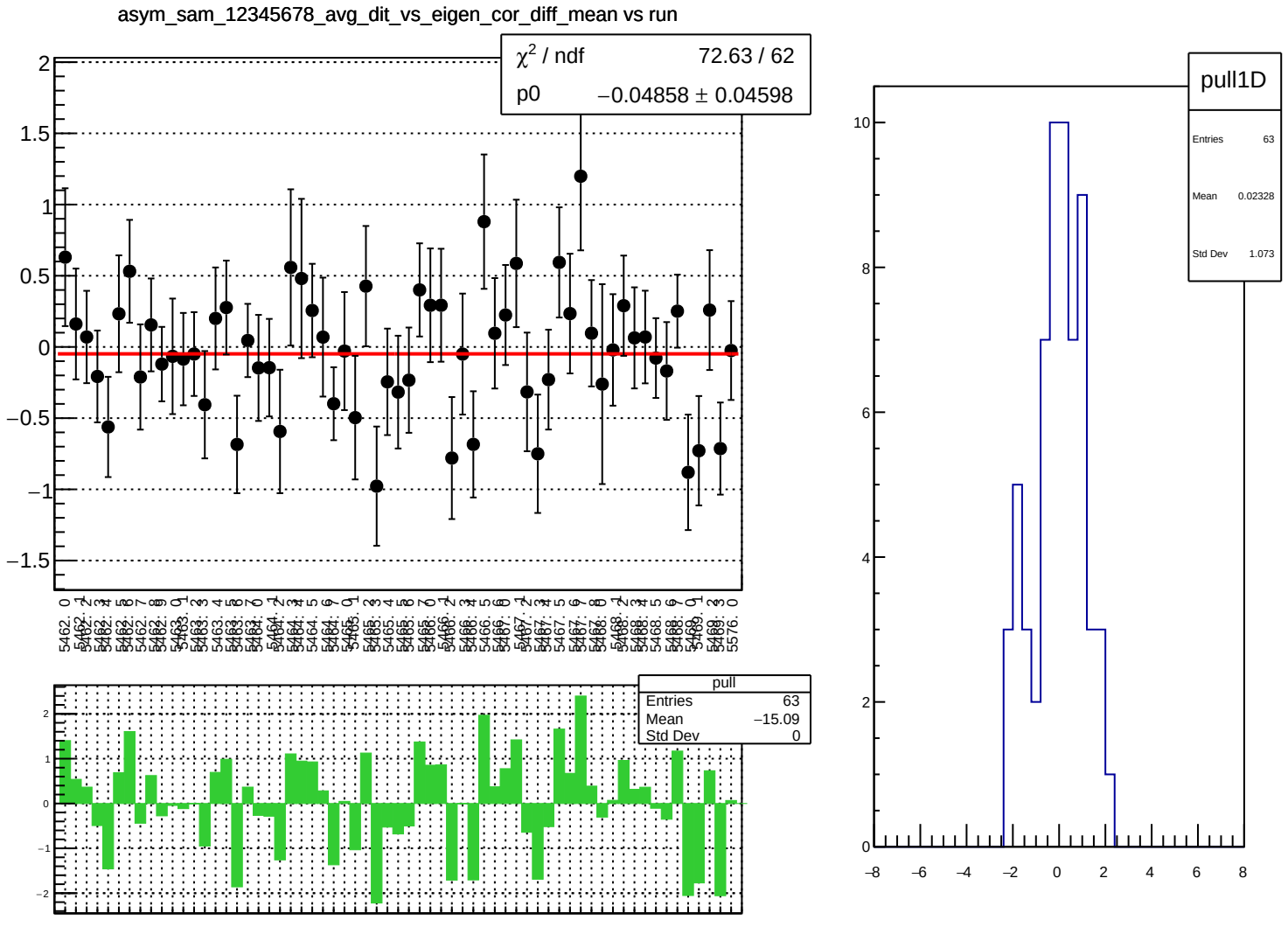

pull1D
Entries 63
Mean −0.02007
Std Dev 0.9267
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

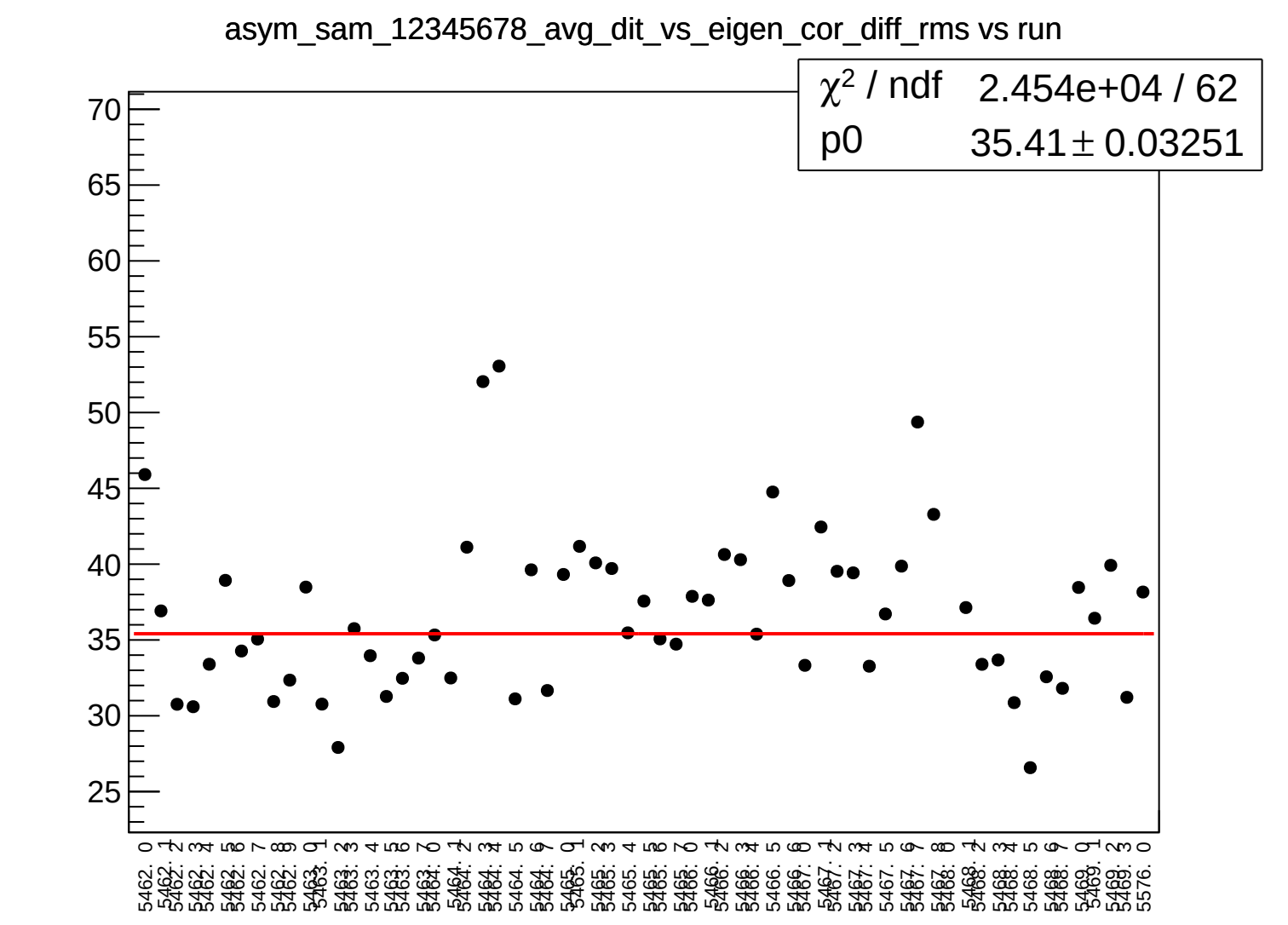

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.382e+05 / 62
p0 4.66e−11 ± 5.682e−14
3.5
3
2.5
2
1.5
1
0.5
0

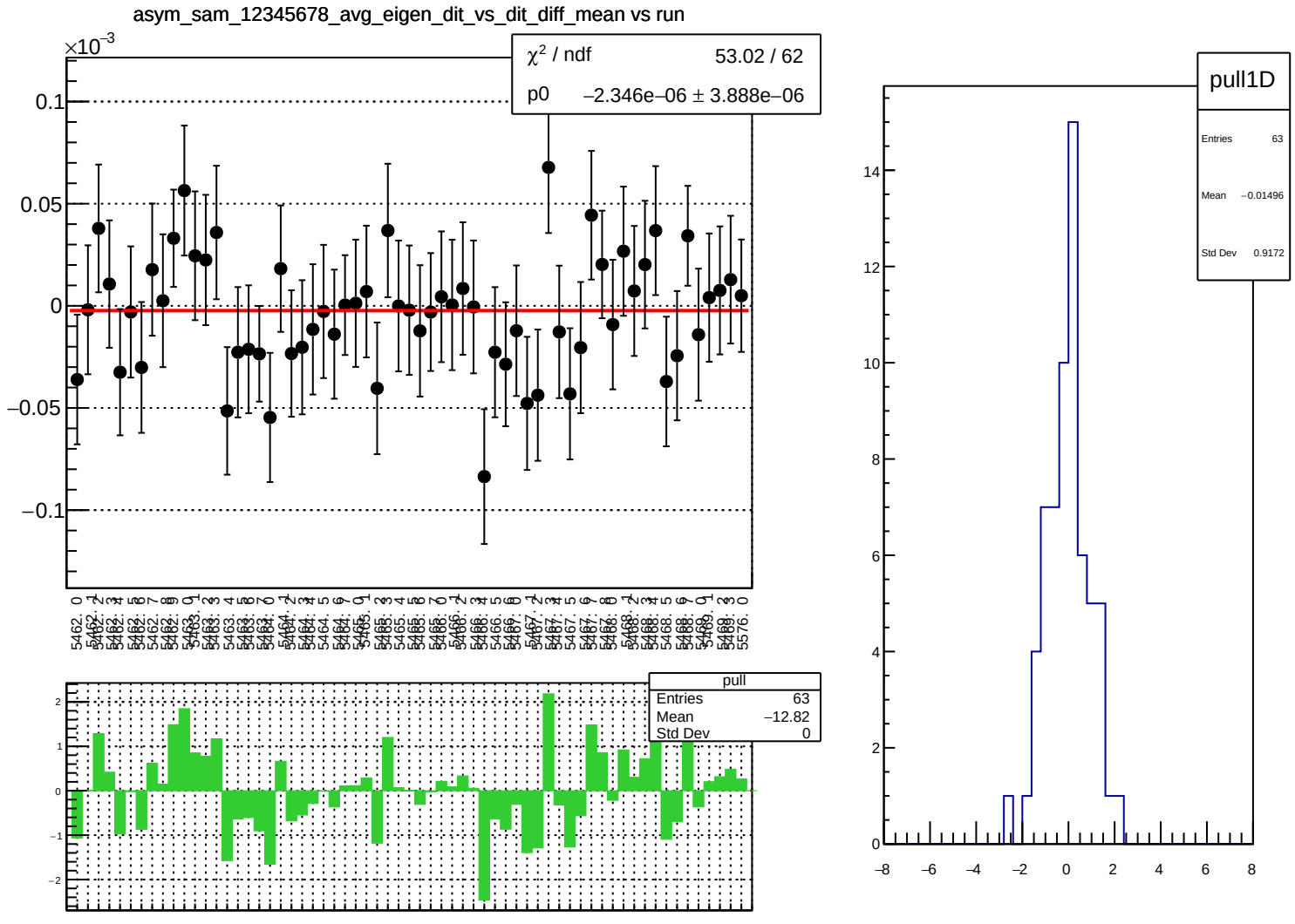

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.63 / 62
p0 −0.04858 ± 0.04598
pull
Entries 63
Mean −15.09
Std Dev 0

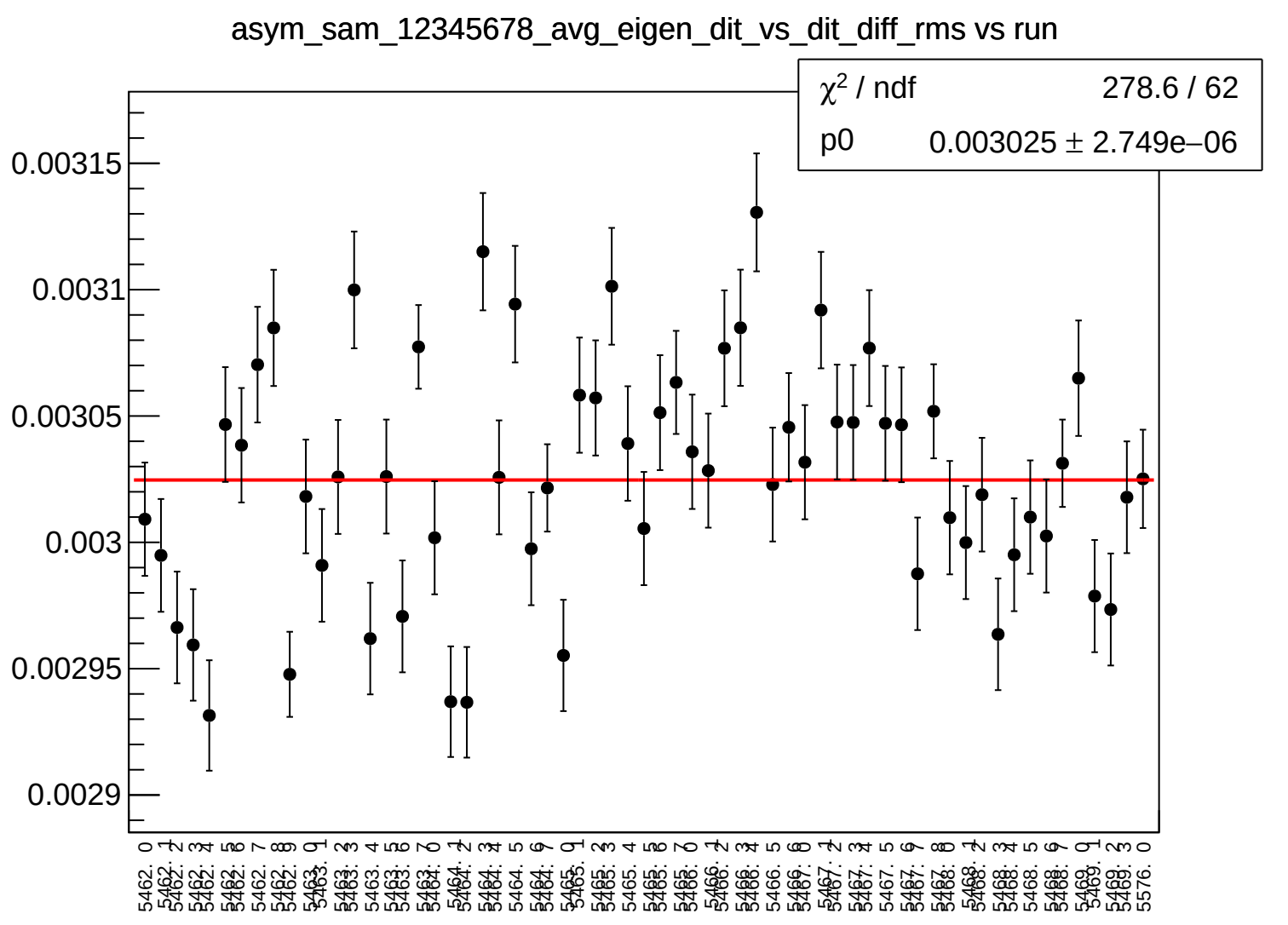

pull1D
Entries 63
Mean 0.02328
Std Dev 1.073


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.454e+04 / 62
p0 35.41 ± 0.03251
70
65
60
55
50
45
40
35
30
25

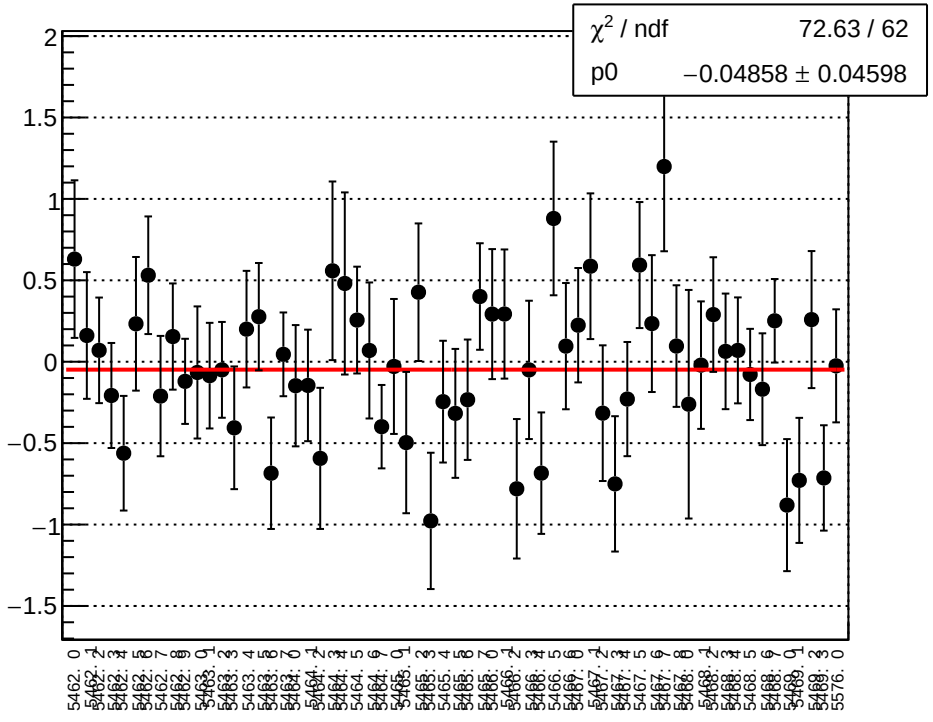

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.63 / 62
p0 −0.04858 ± 0.04598
pull
Entries 63
Mean −15.09
Std Dev 0
pull1D
Entries 63
Mean 0.02328
Std Dev 1.073

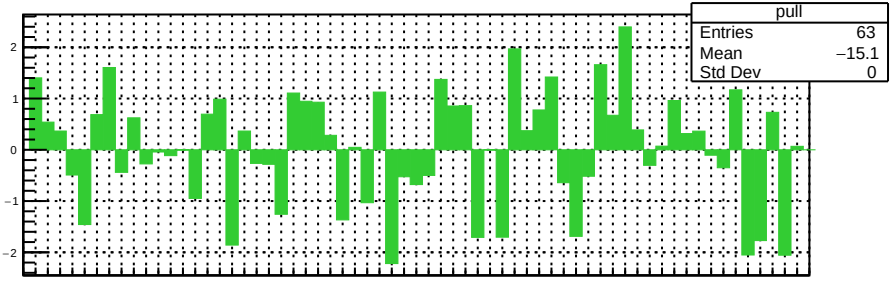

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.454e+04 / 62
p0 35.41 ± 0.03251
70
65
60
55
50
45
40
35
30
25

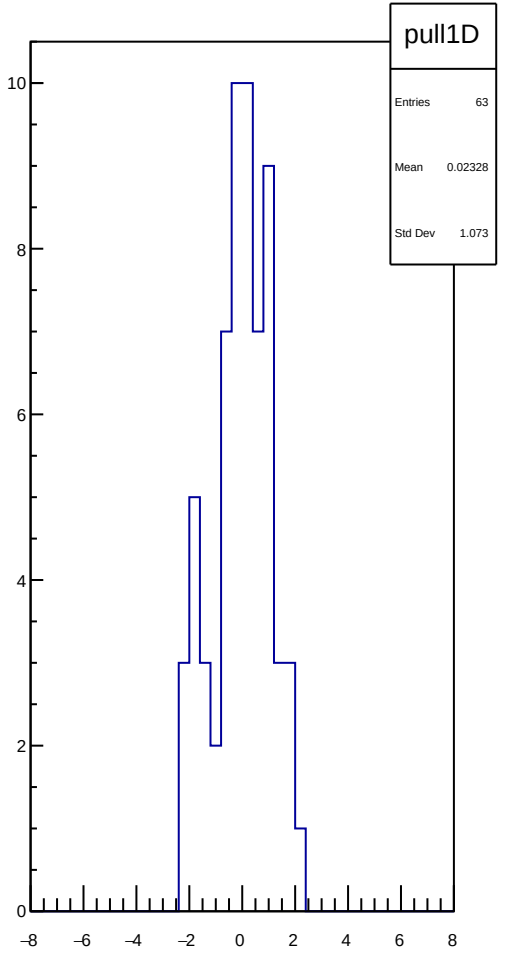

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.02 / 62
p0 −2.346e−06 ± 3.888e−06
pull
Entries 63
Mean −12.82
Std Dev 0
pull1D
Entries 63
Mean −0.01496
Std Dev 0.9172

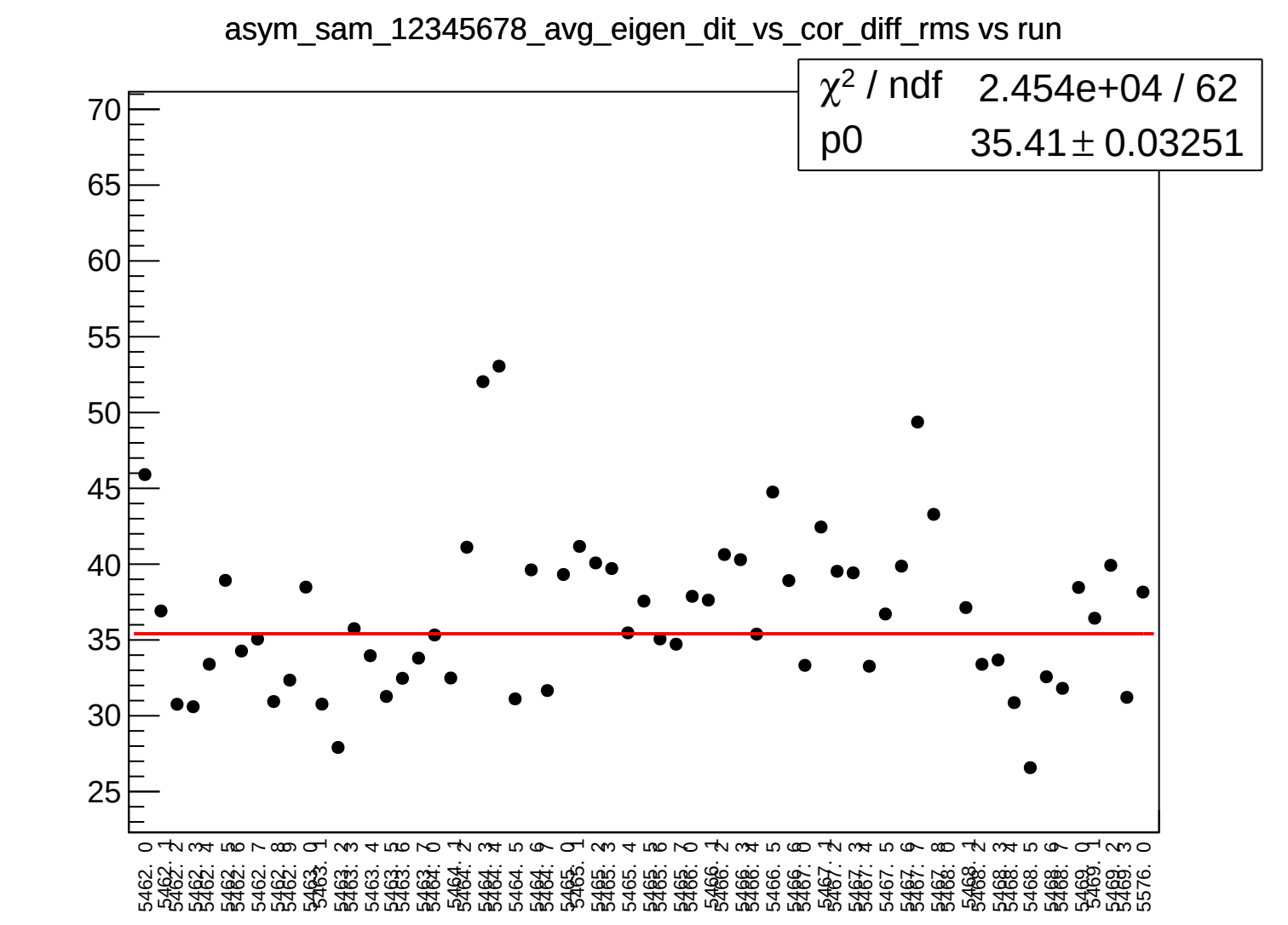

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 278.6 / 62
p0 0.003025 ± 2.749e−06
0.00315
0.0031
0.00305
0.003
0.00295
0.0029

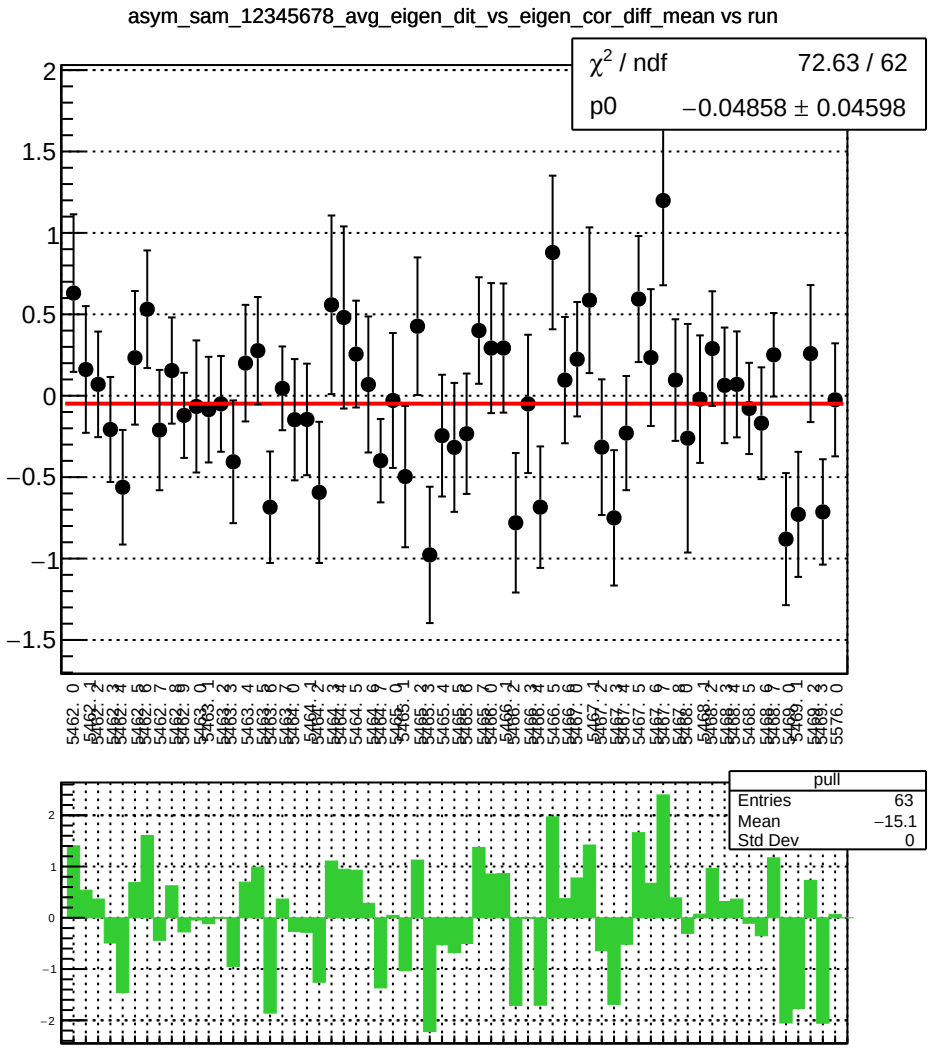
asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run

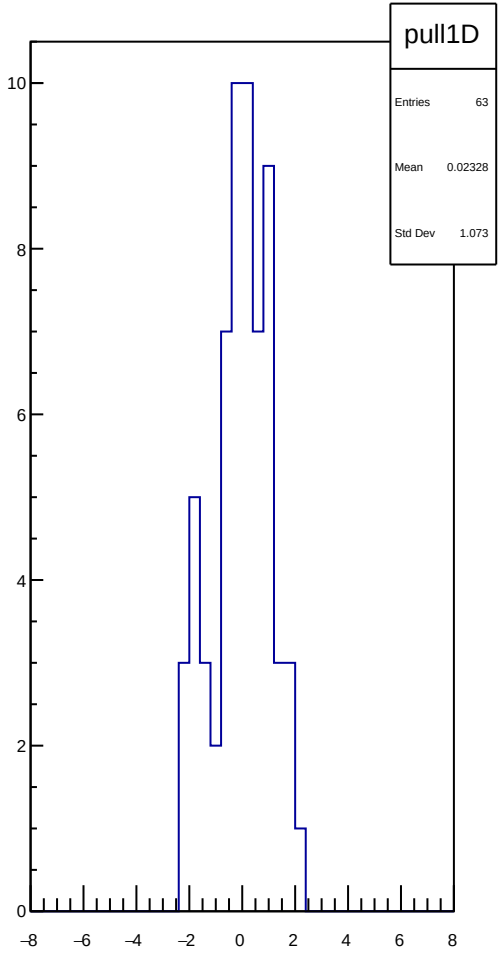


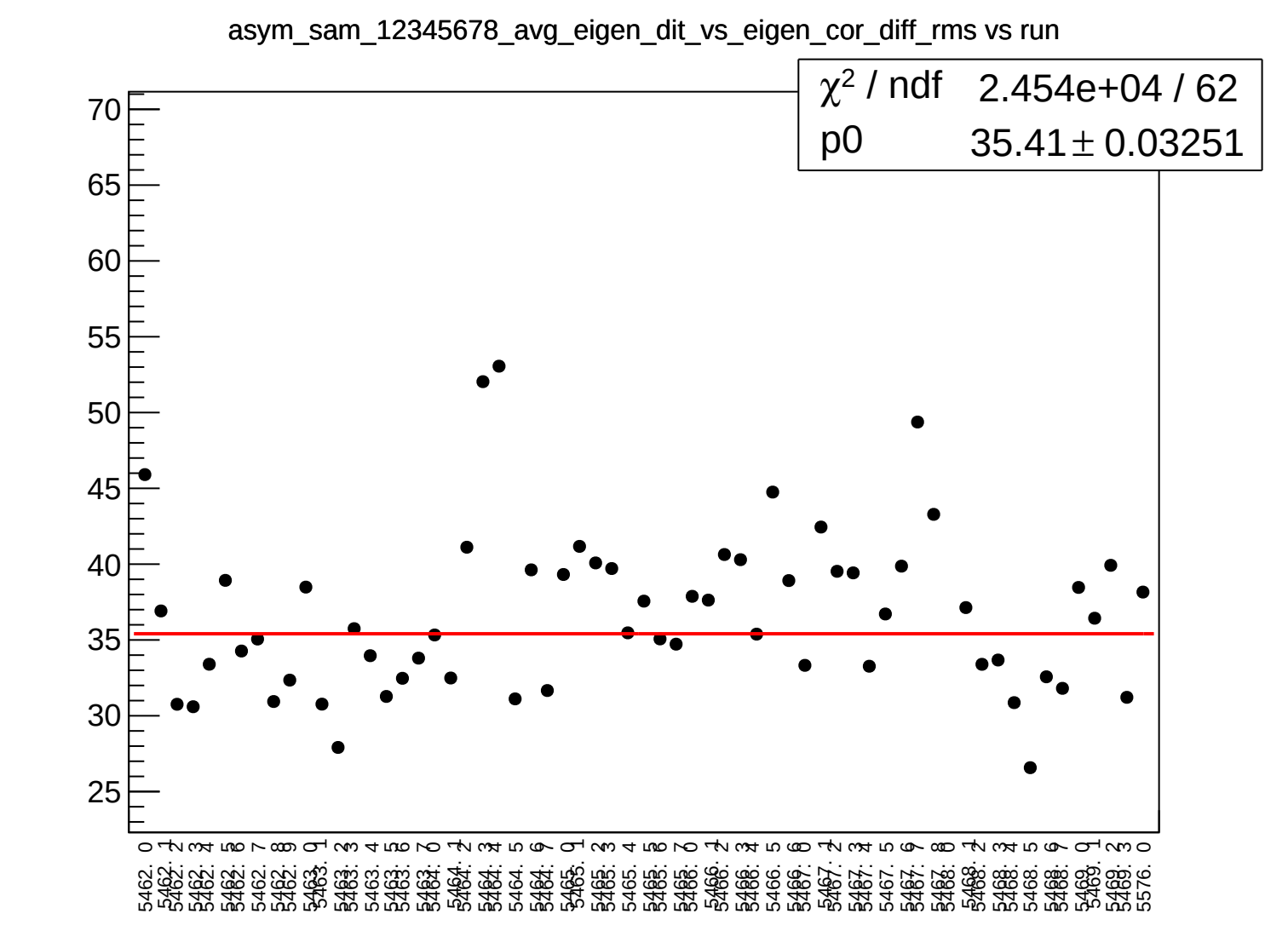


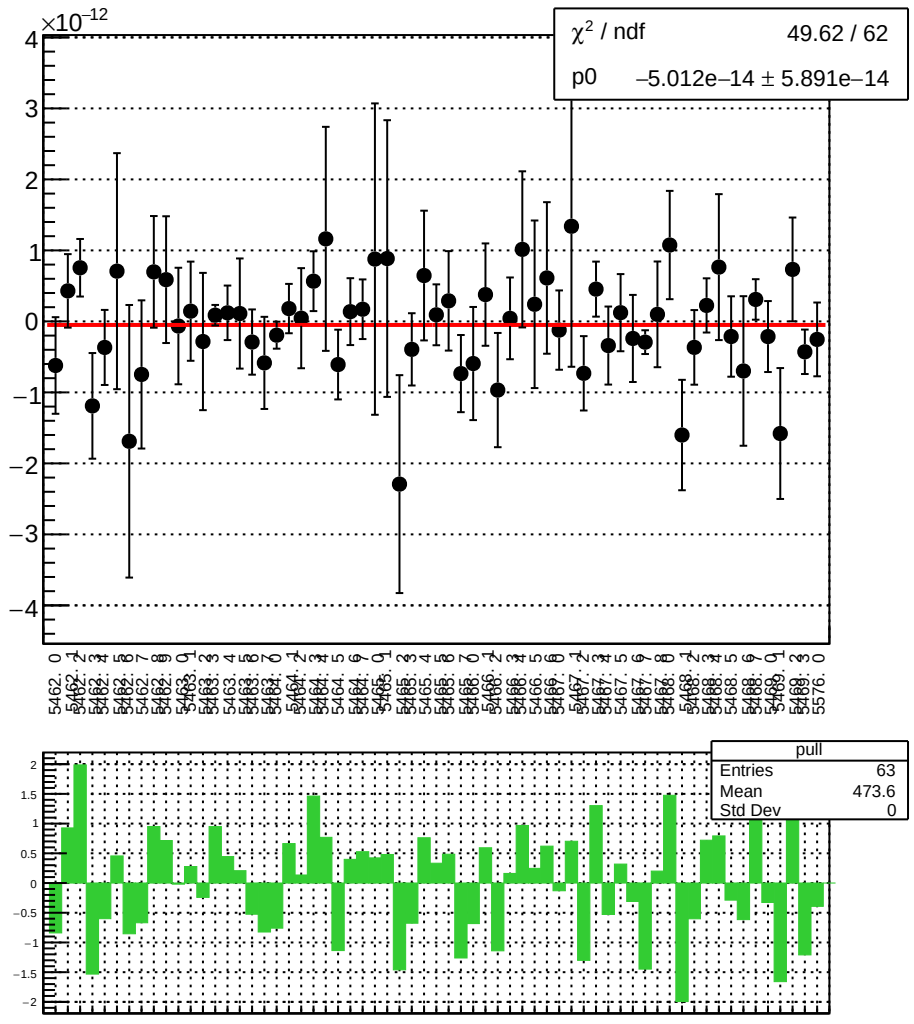


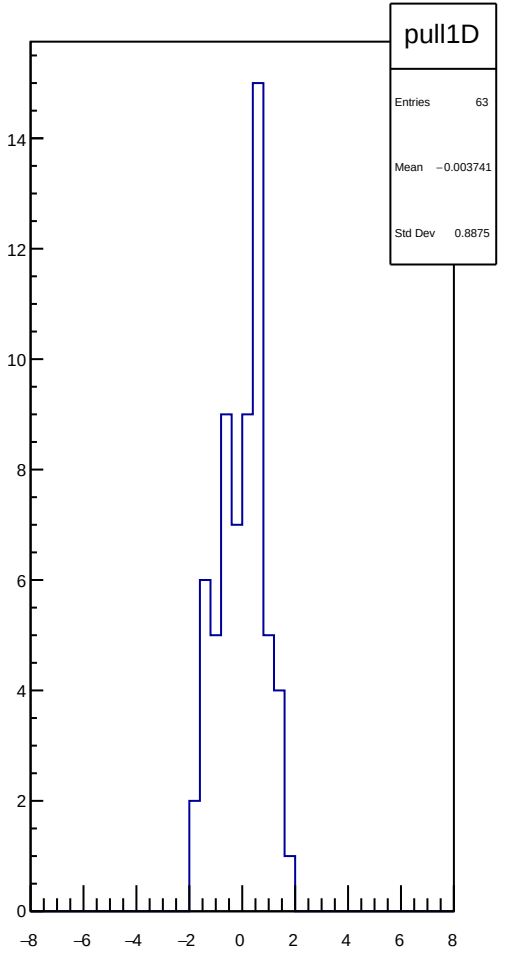

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.454e+04 / 62
p0 35.41 ± 0.03251
70
65
60
55
50
45
40
35
30
25

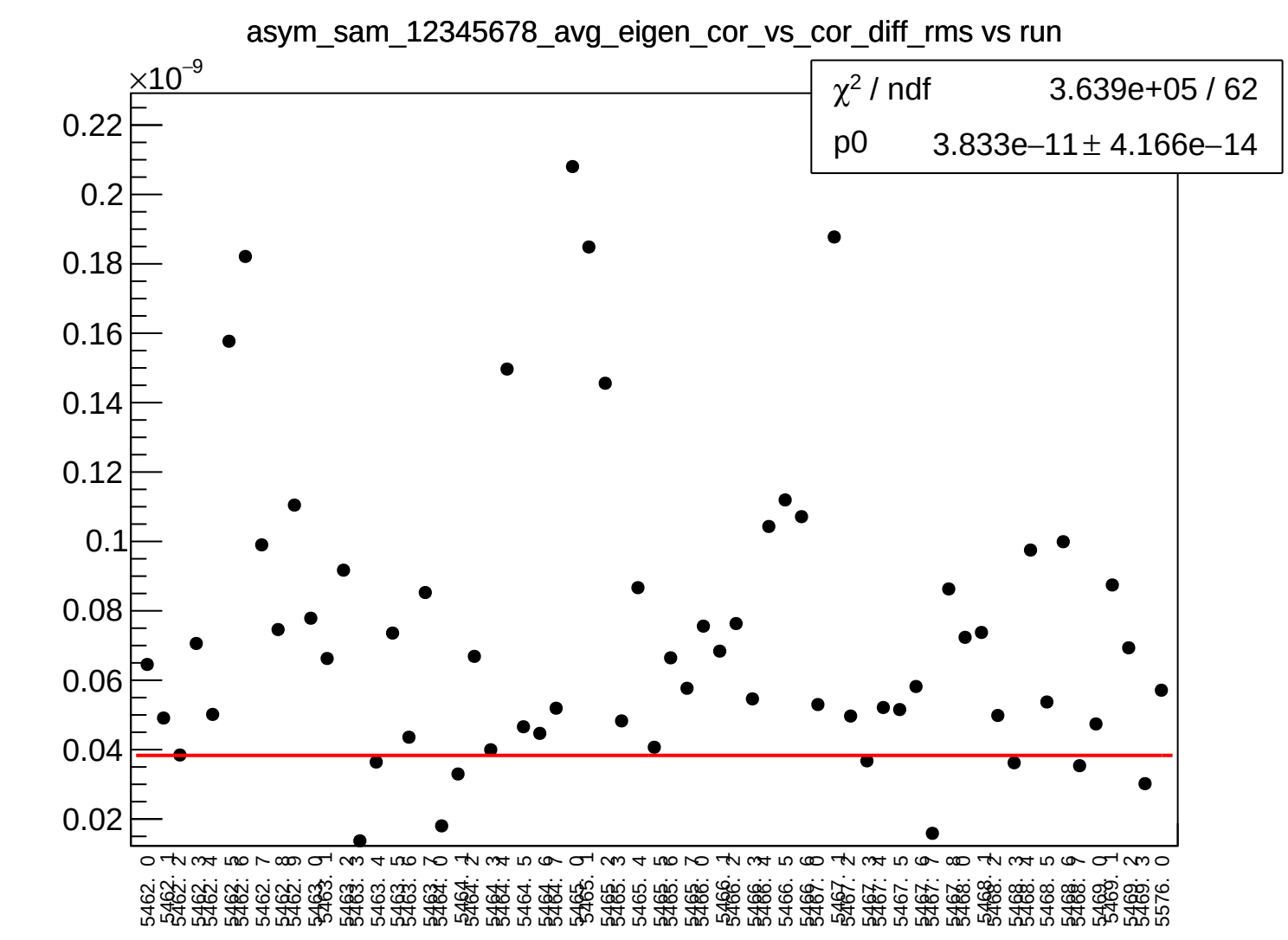

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.63 / 62
p0 −0.04858 ± 0.04598
pull
Entries 63
Mean −15.1
Std Dev 0

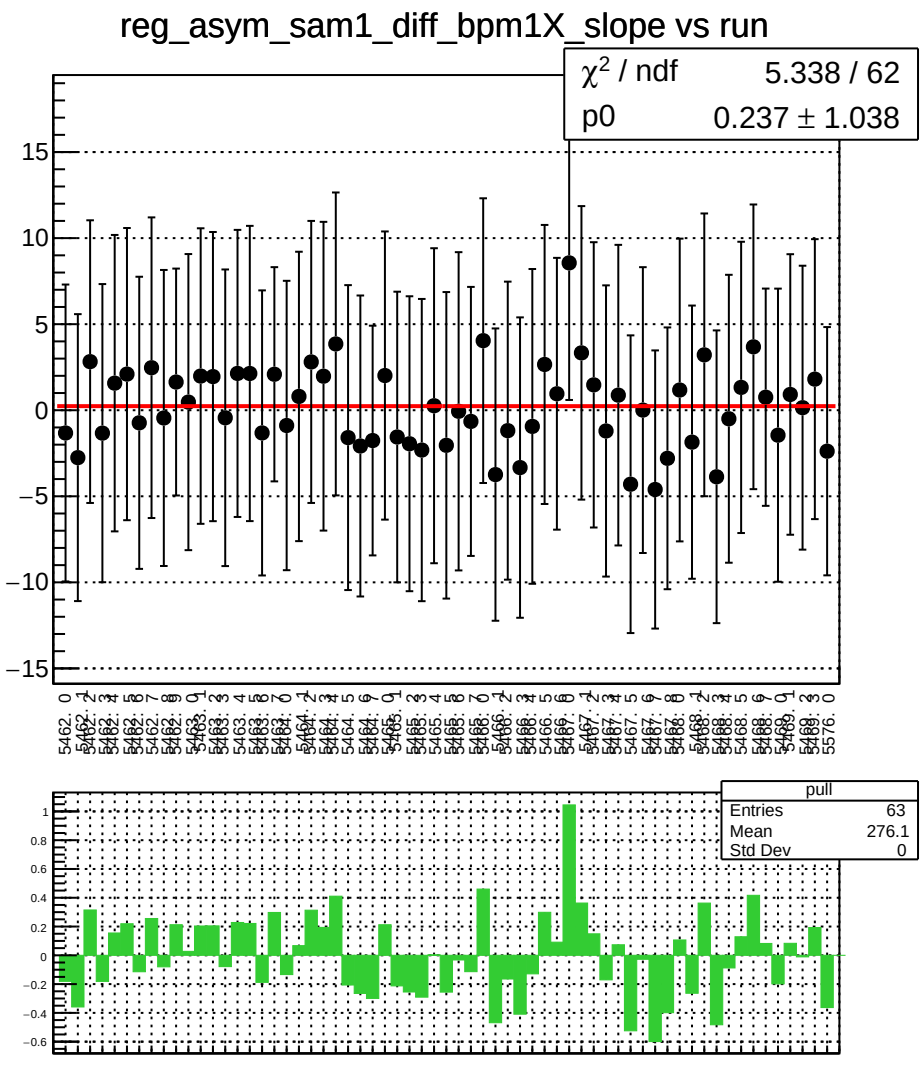

pull1D
Entries 63
Mean 0.02328
Std Dev 1.073

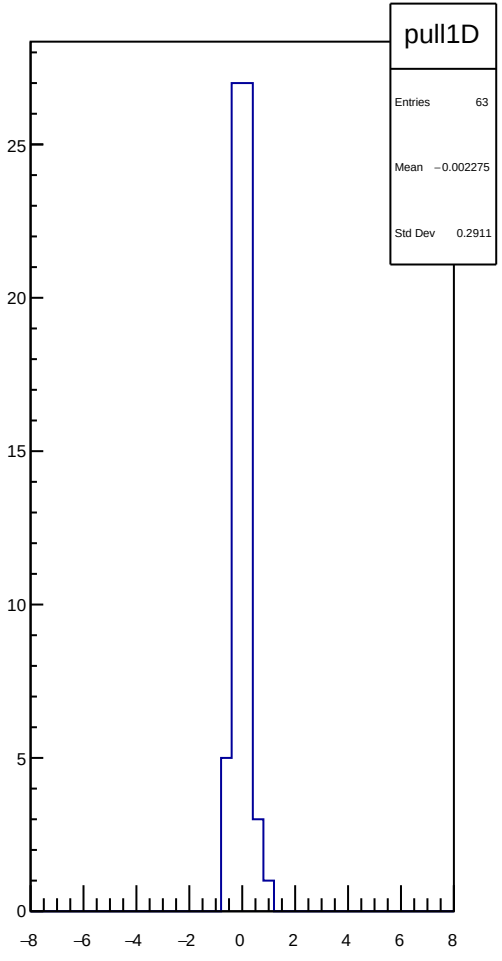

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.454e+04 / 62
p0 35.41 ± 0.03251
70
65
60
55
50
45
40
35
30
25

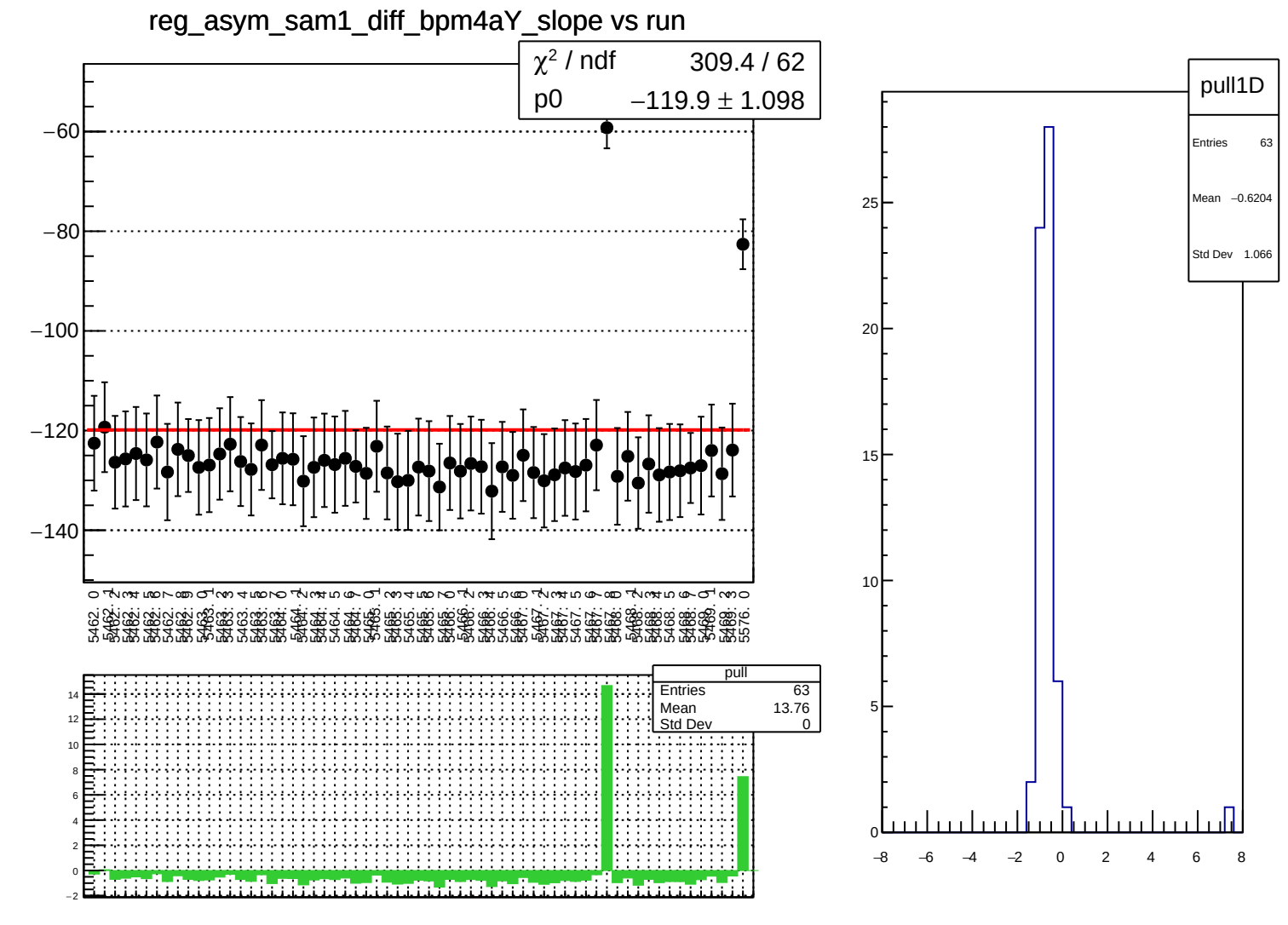

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.62 / 62
p0 −5.012e−14 ± 5.891e−14
pull
Entries 63
Mean 473.6
Std Dev 0

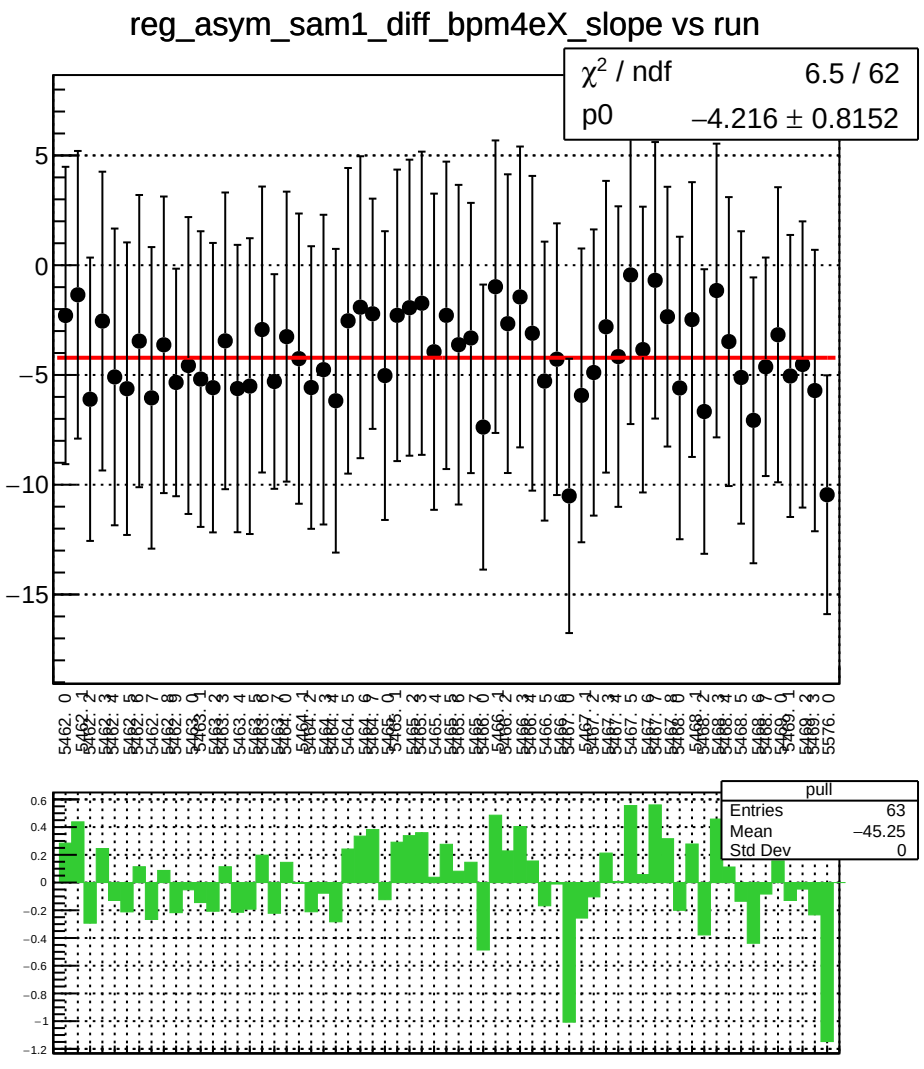

pull1D
Entries 63
Mean −0.003741
Std Dev 0.8875

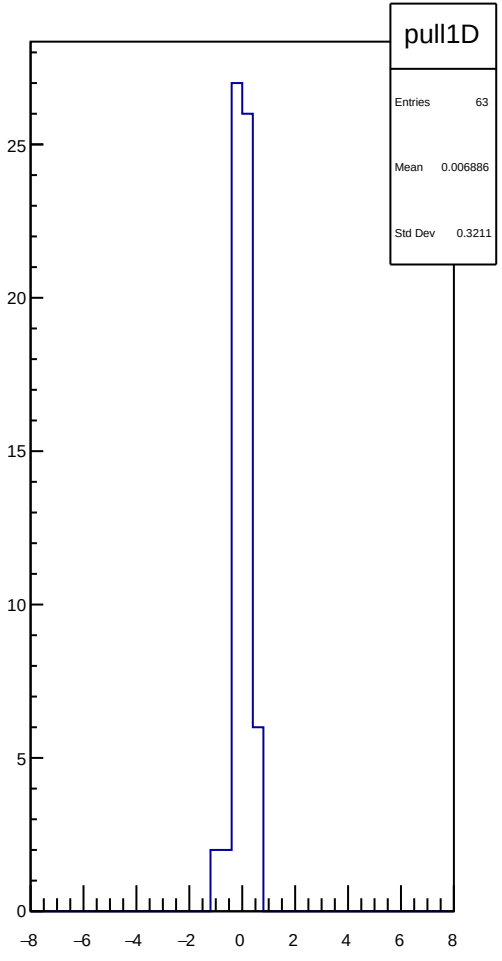

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.639e+05 / 62
p0 3.833e−11 ± 4.166e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

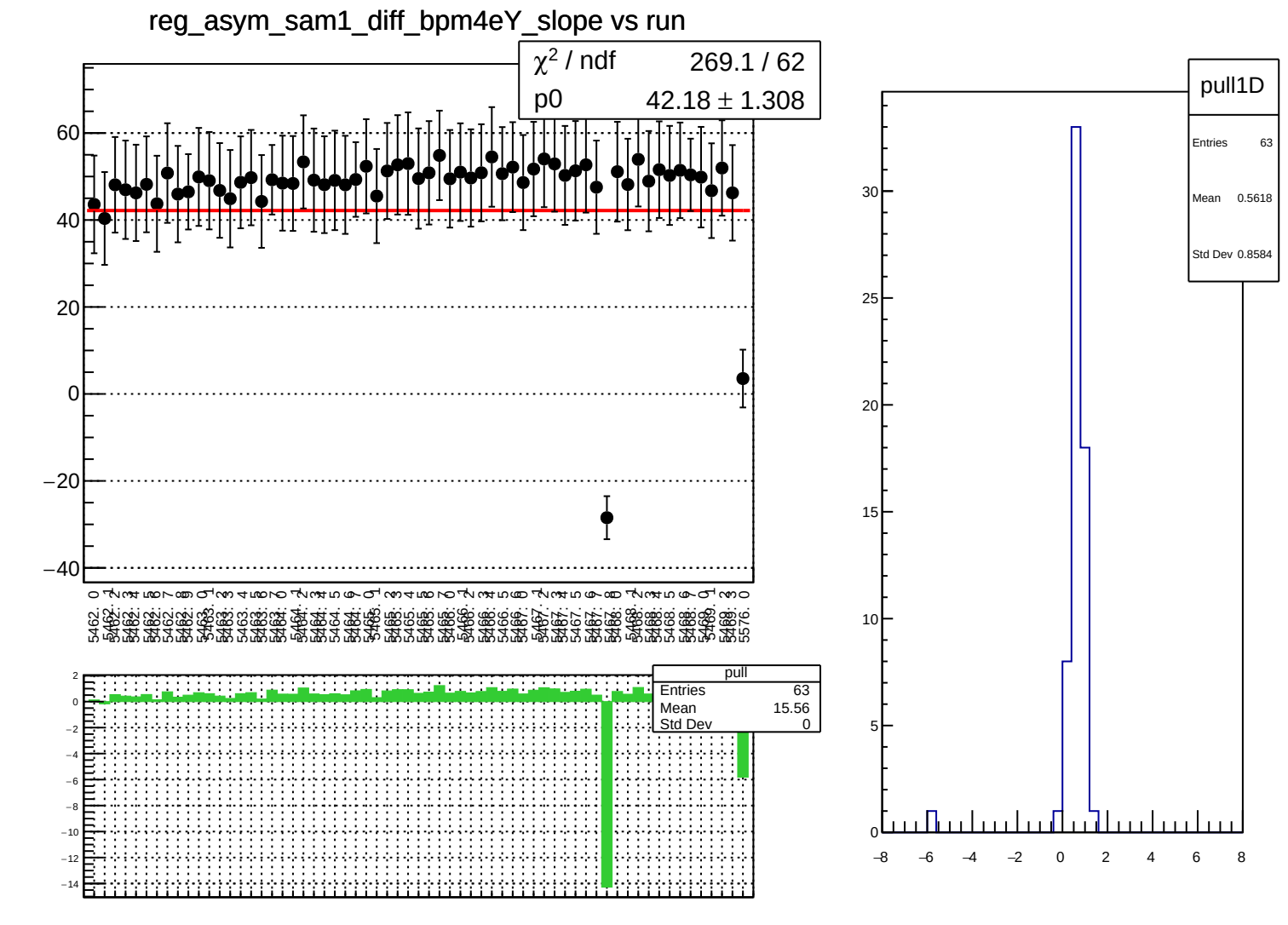

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 5.338 / 62
p0 0.237 ± 1.038
pull
Entries 63
Mean 276.1
Std Dev 0

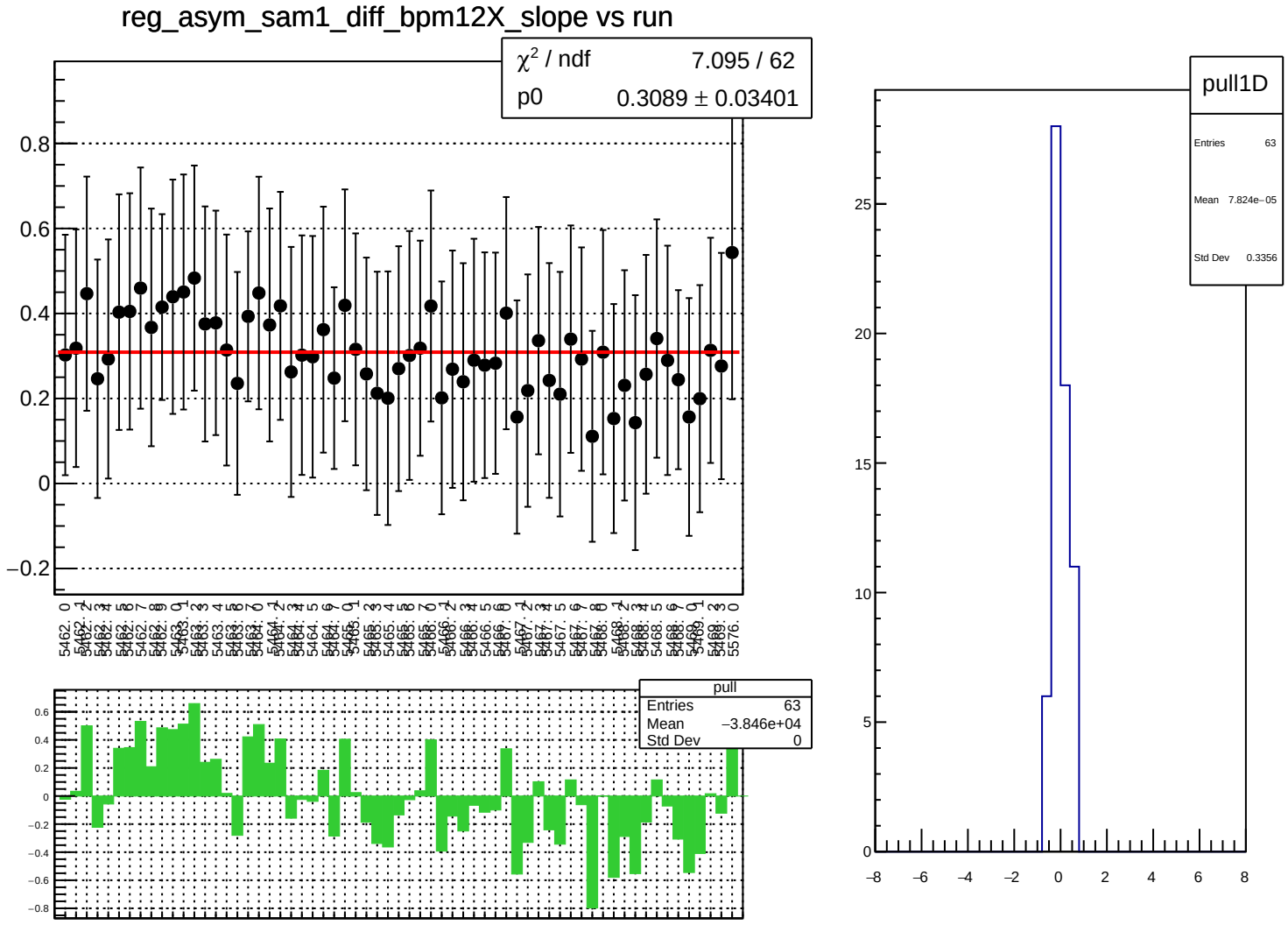

pull1D
Entries 63
Mean −0.002275
Std Dev 0.2911

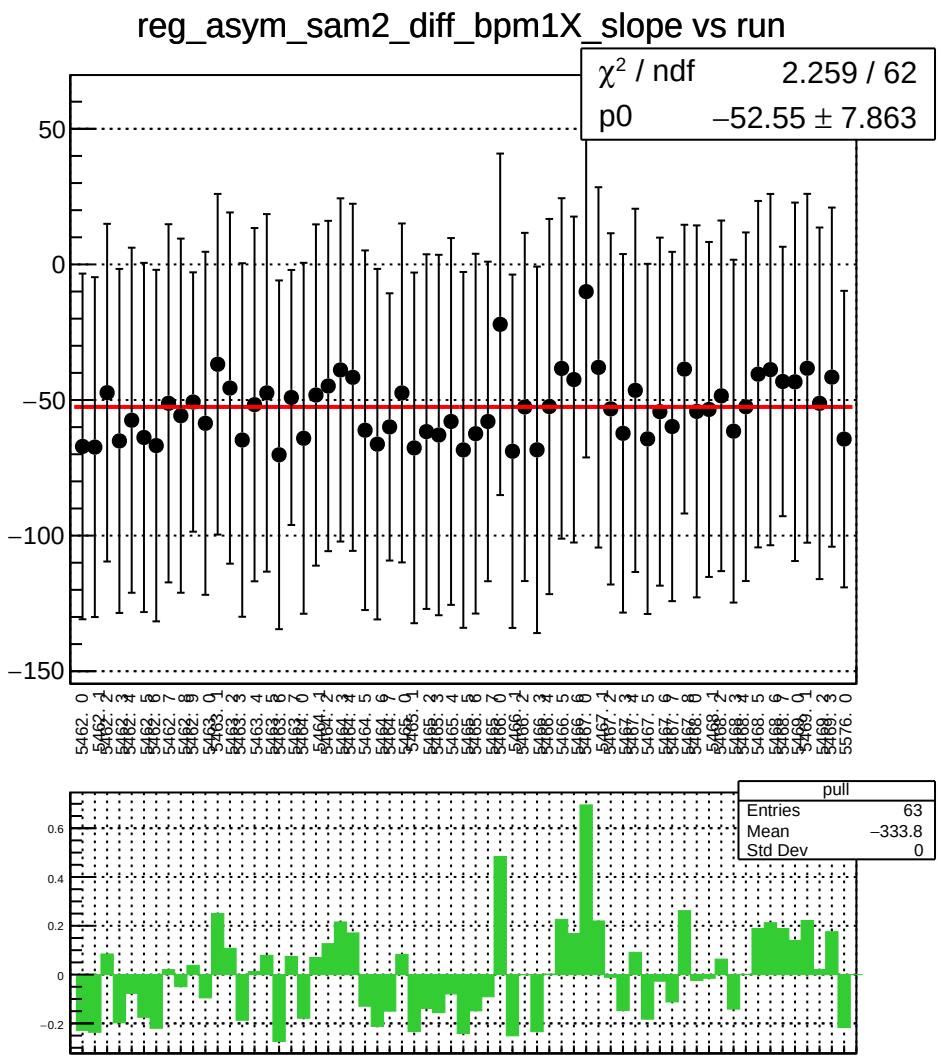

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 309.4 / 62
p0 −119.9 ± 1.098
pull
Entries 63
Mean 13.76
Std Dev 0
pull1D
Entries 63
Mean −0.6204
Std Dev 1.066

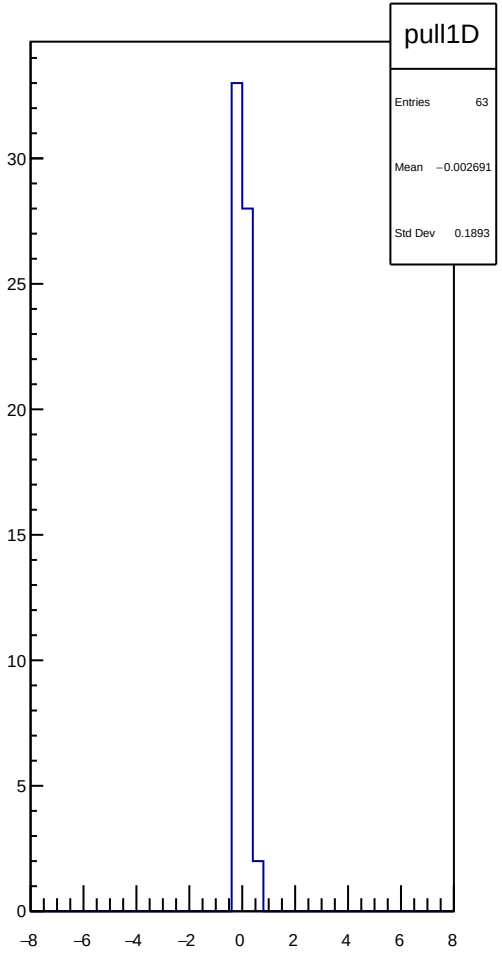

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 6.5 / 62
p0 −4.216 ± 0.8152
pull
Entries 63
Mean −45.25
Std Dev 0

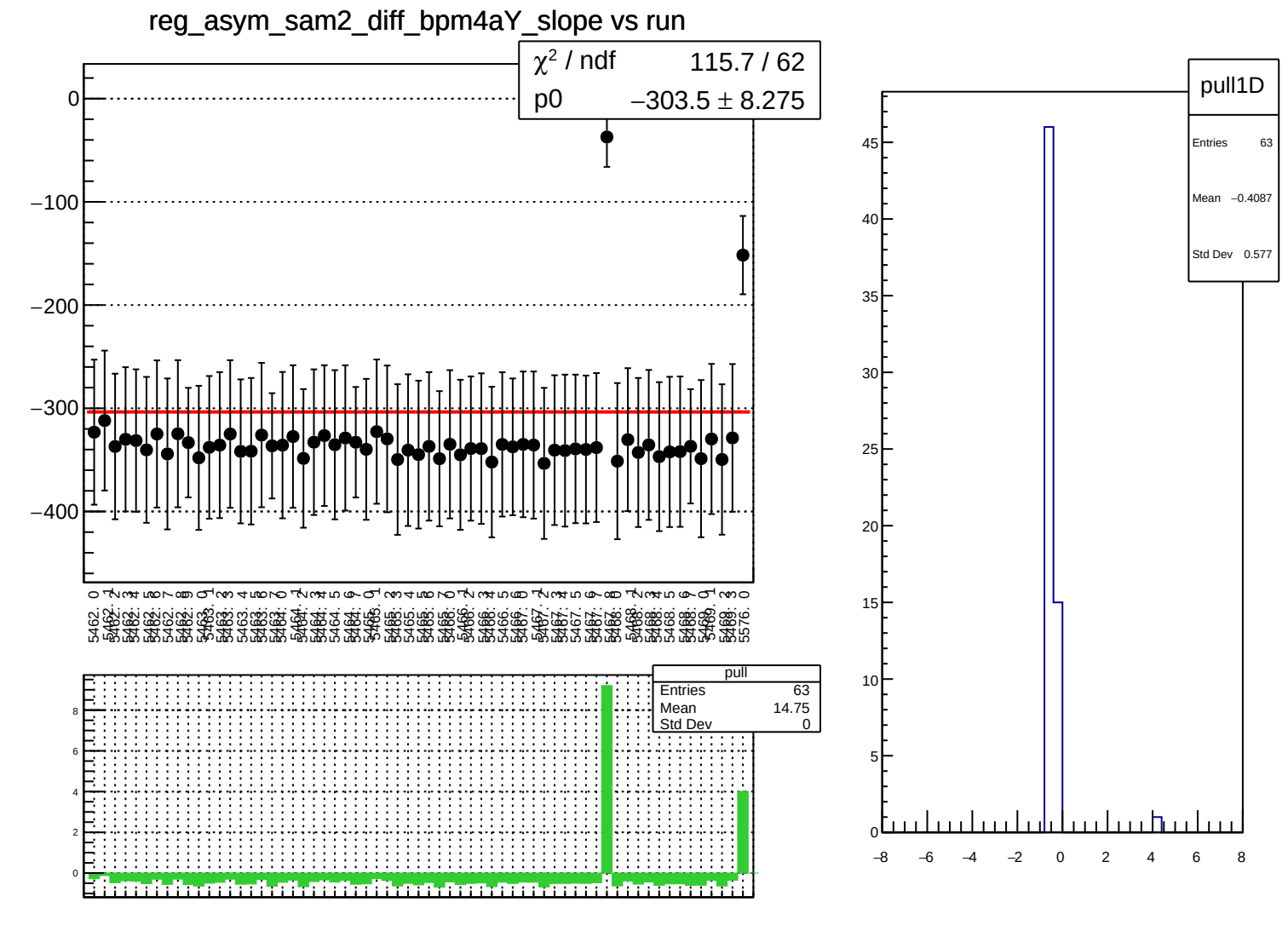

pull1D
Entries 63
Mean 0.006886
Std Dev 0.3211

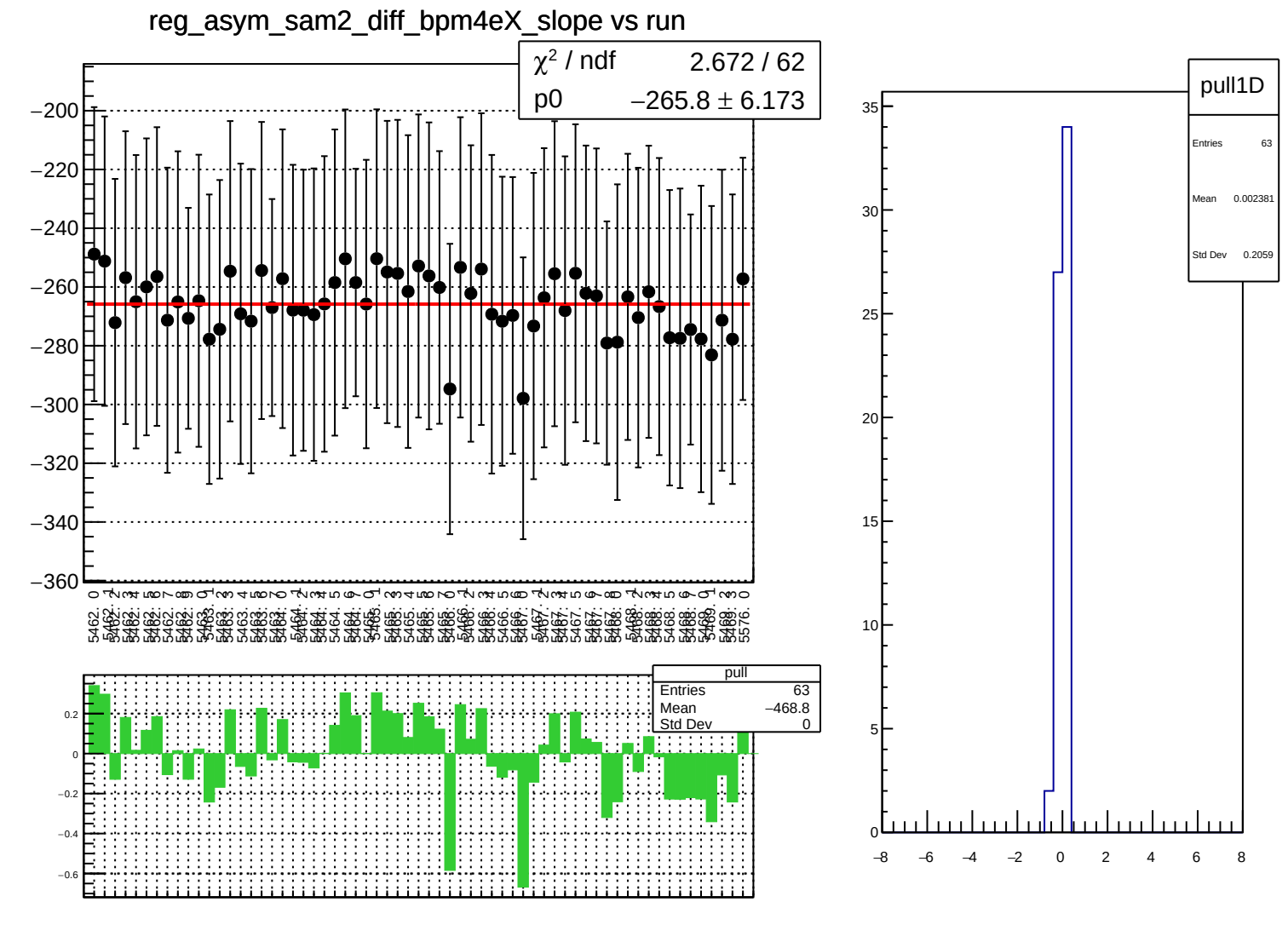

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 269.1 / 62
p0 42.18 ± 1.308
pull
Entries 63
Mean 15.56
Std Dev 0
pull1D
Entries 63
Mean 0.5618
Std Dev 0.8584

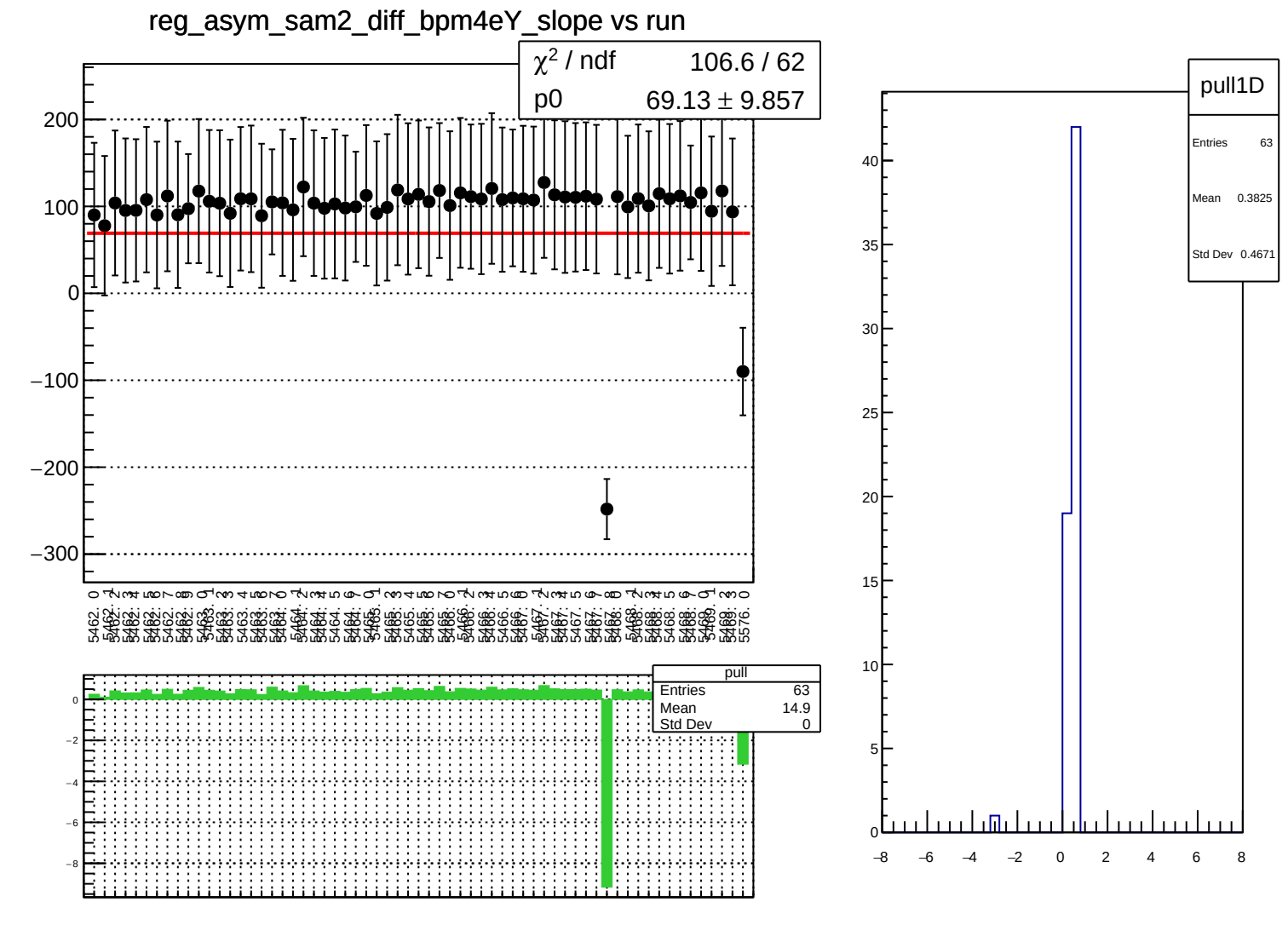

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 7.095 / 62
p0 0.3089 ± 0.03401
pull
Entries 63
Mean −3.846e+04
Std Dev 0
pull1D
Entries 63
Mean 7.824e−05
Std Dev 0.3356

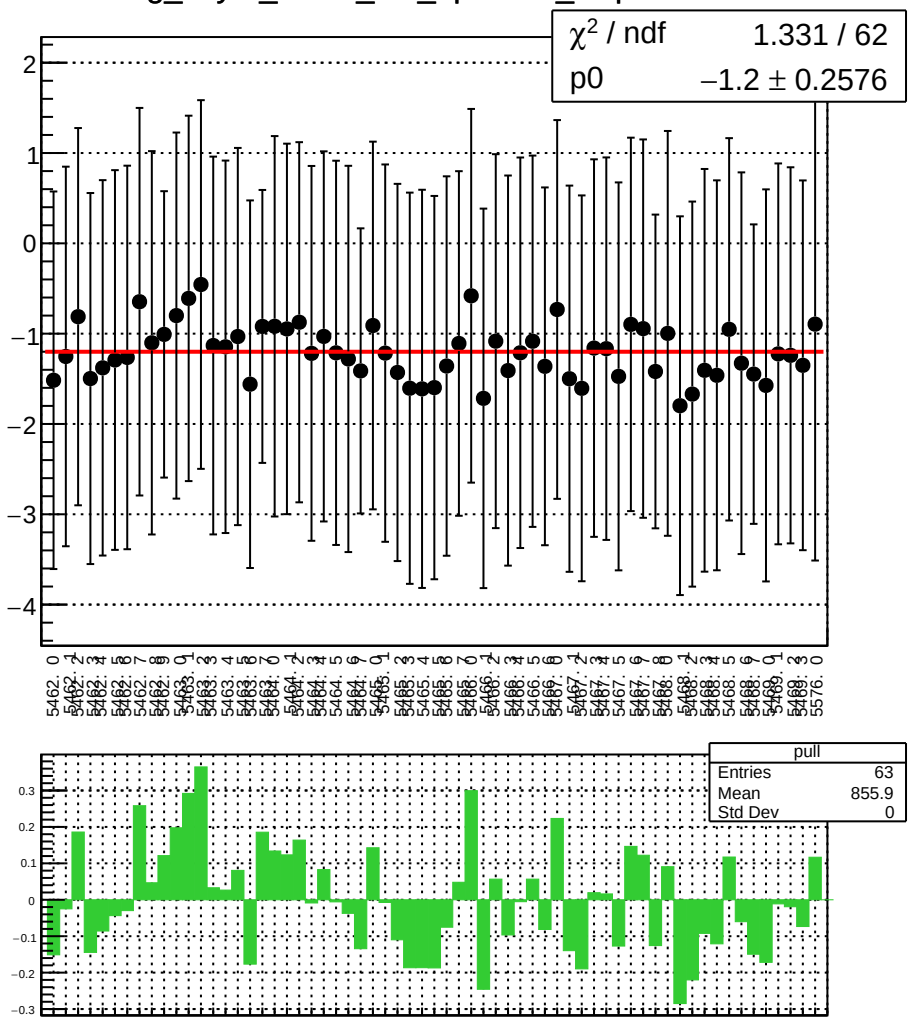

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.259 / 62
p0 −52.55 ± 7.863
pull
Entries 63
Mean −333.8
Std Dev 0

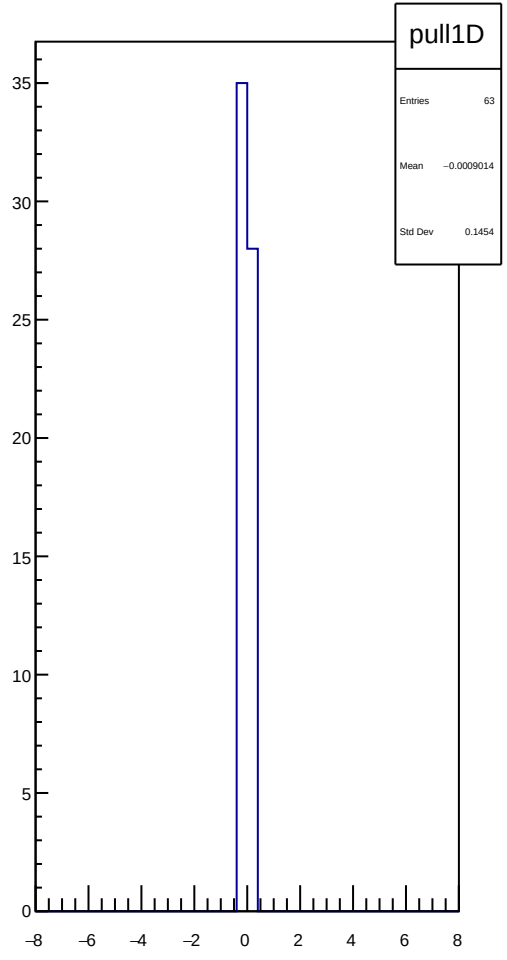

pull1D
Entries 63
Mean −0.002691
Std Dev 0.1893

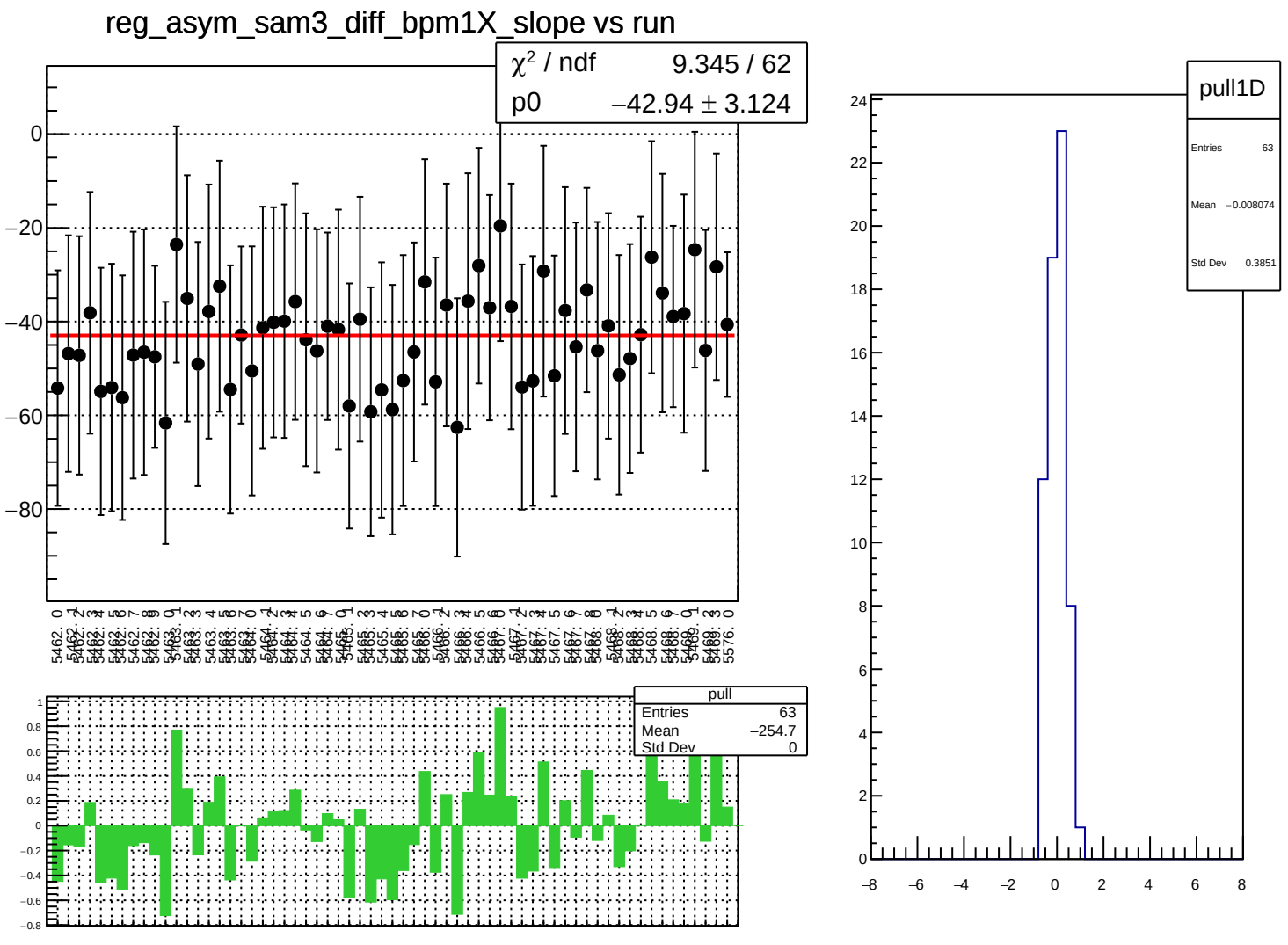

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 115.7 / 62
p0 −303.5 ± 8.275
pull
Entries 63
Mean 14.75
Std Dev 0
pull1D
Entries 63
Mean −0.4087
Std Dev 0.577

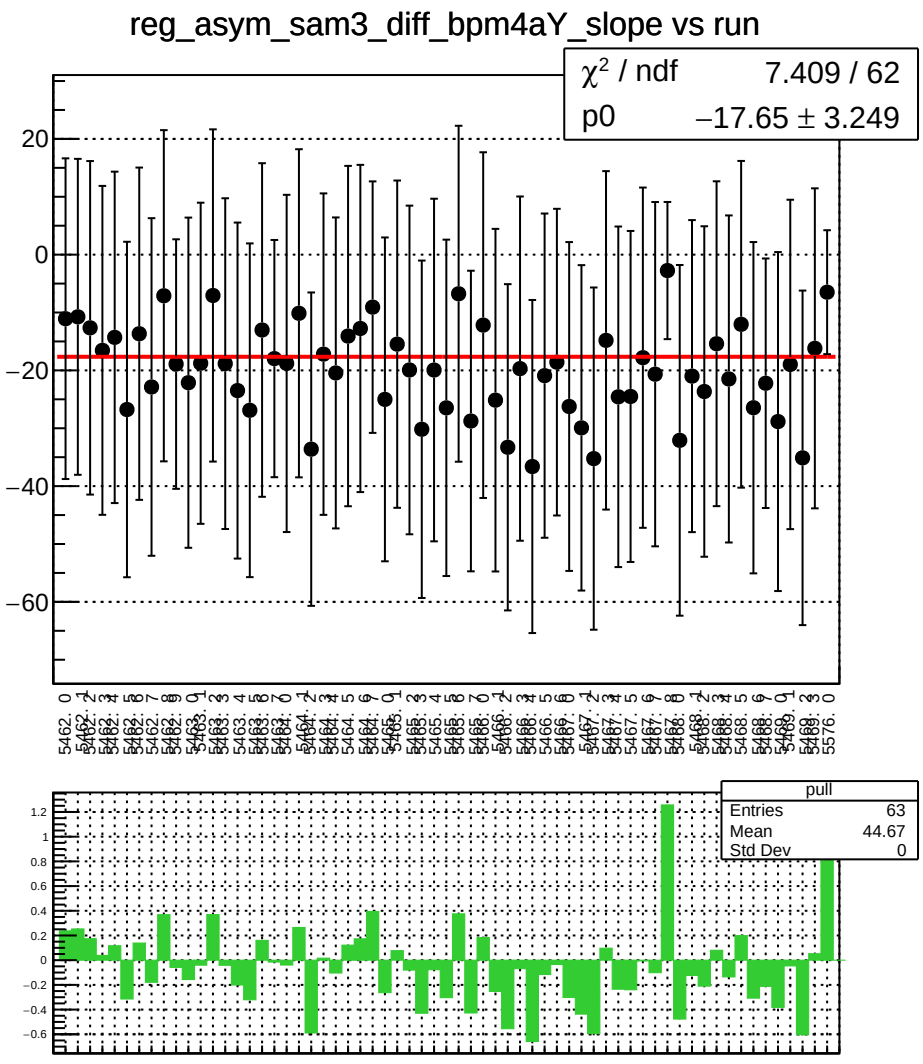

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.672 / 62
p0 −265.8 ± 6.173
pull
Entries 63
Mean −468.8
Std Dev 0
pull1D
Entries 63
Mean 0.002381
Std Dev 0.2059

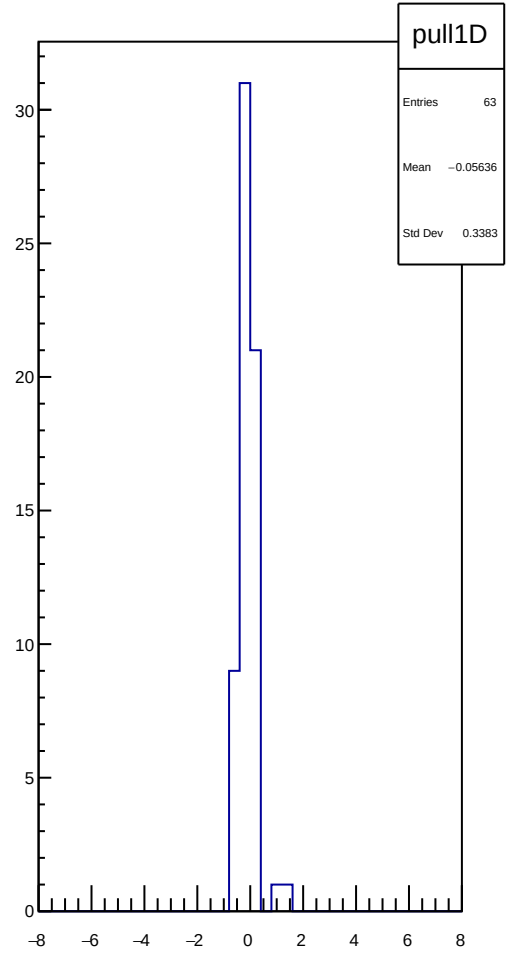

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 106.6 / 62
p0 69.13 ± 9.857
pull
Entries 63
Mean 14.9
Std Dev 0
pull1D
Entries 63
Mean 0.3825
Std Dev 0.4671

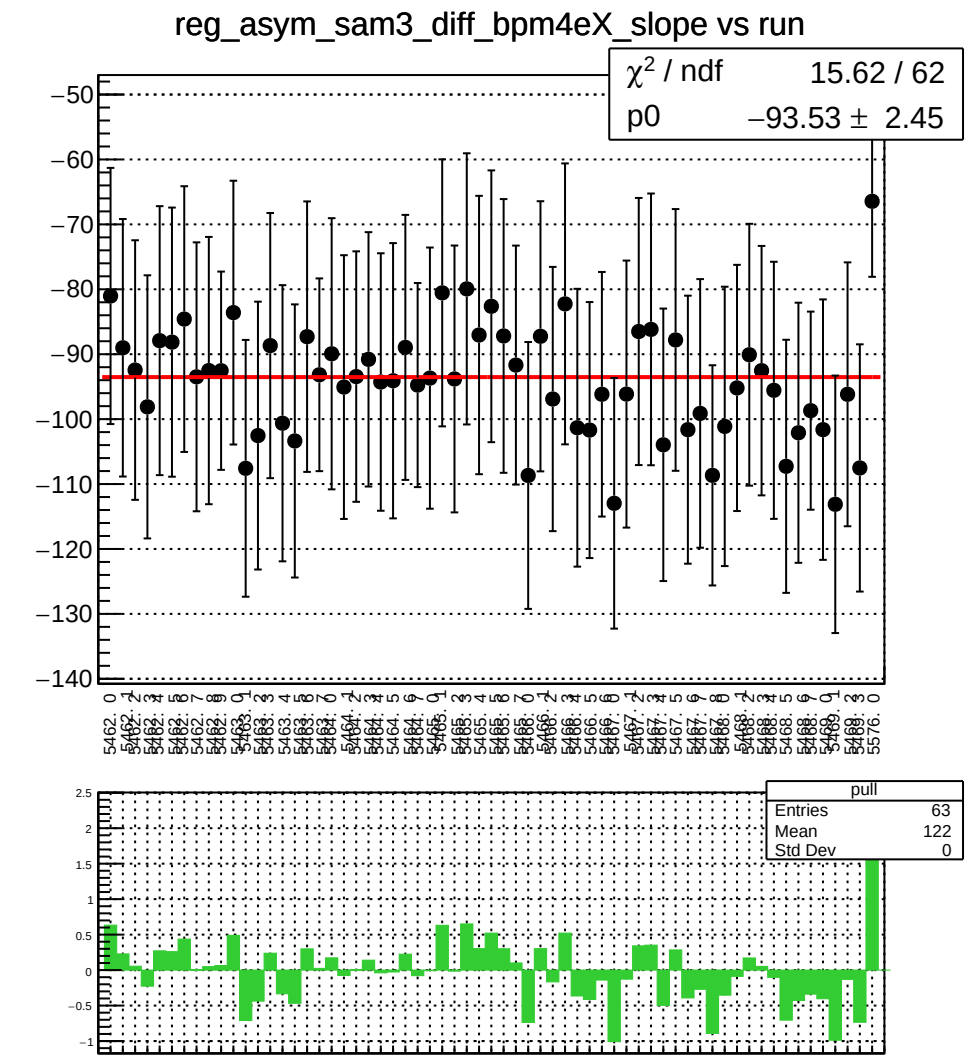

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.331 / 62
p0 −1.2 ± 0.2576
pull
Entries 63
Mean 855.9
Std Dev 0

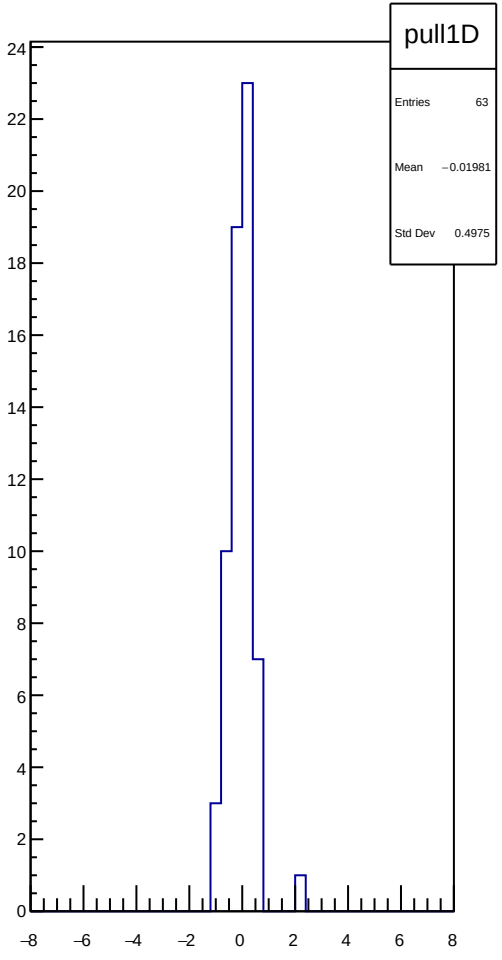

pull1D
Entries 63
Mean −0.0009014
Std Dev 0.1454

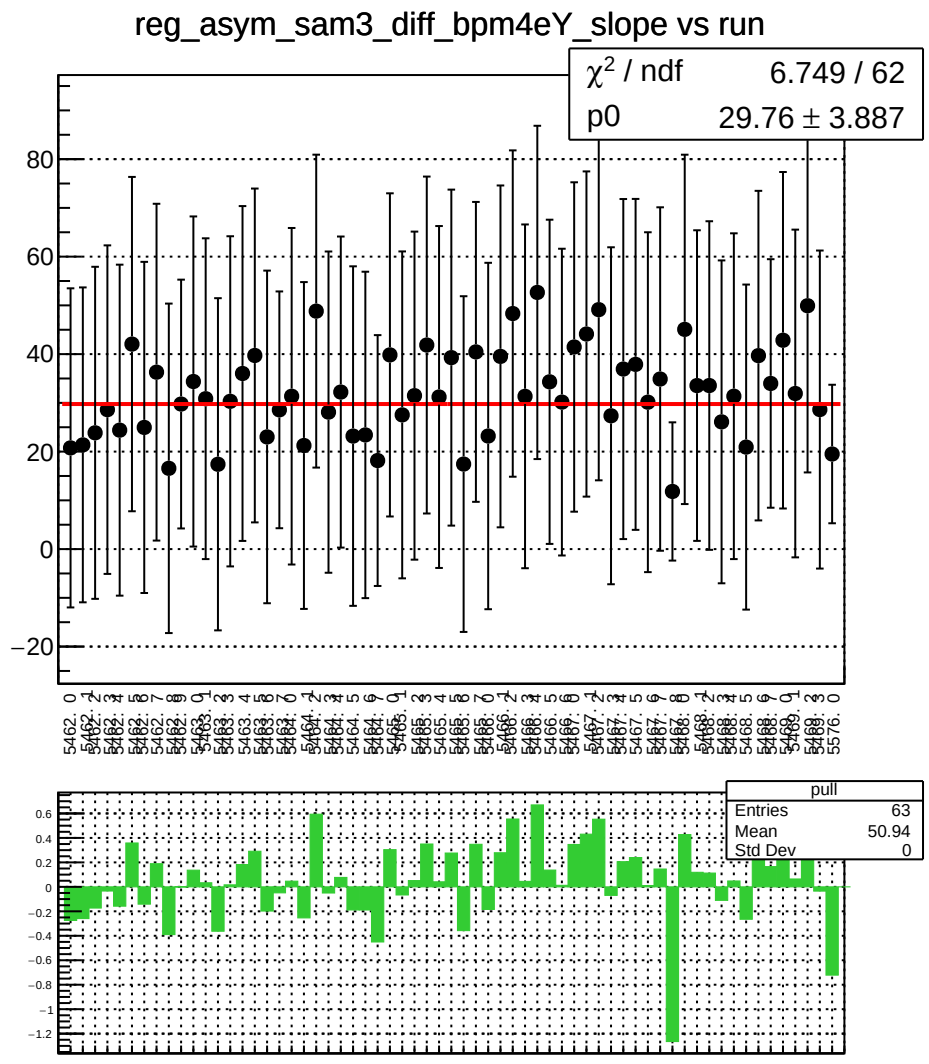

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 9.345 / 62
p0 −42.94 ± 3.124
pull
Entries 63
Mean −254.7
Std Dev 0
pull1D
Entries 63
Mean −0.008074
Std Dev 0.3851

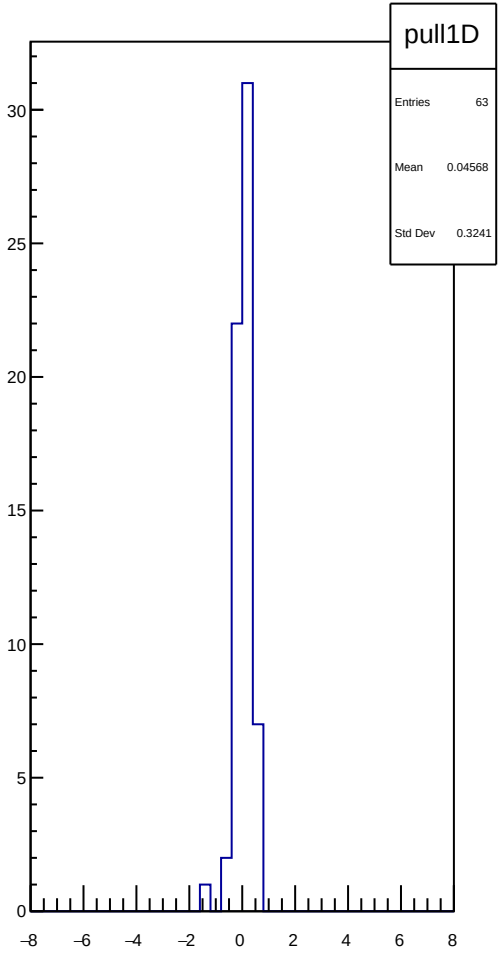

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 7.409 / 62
p0 −17.65 ± 3.249
pull
Entries 63
Mean 44.67
Std Dev 0

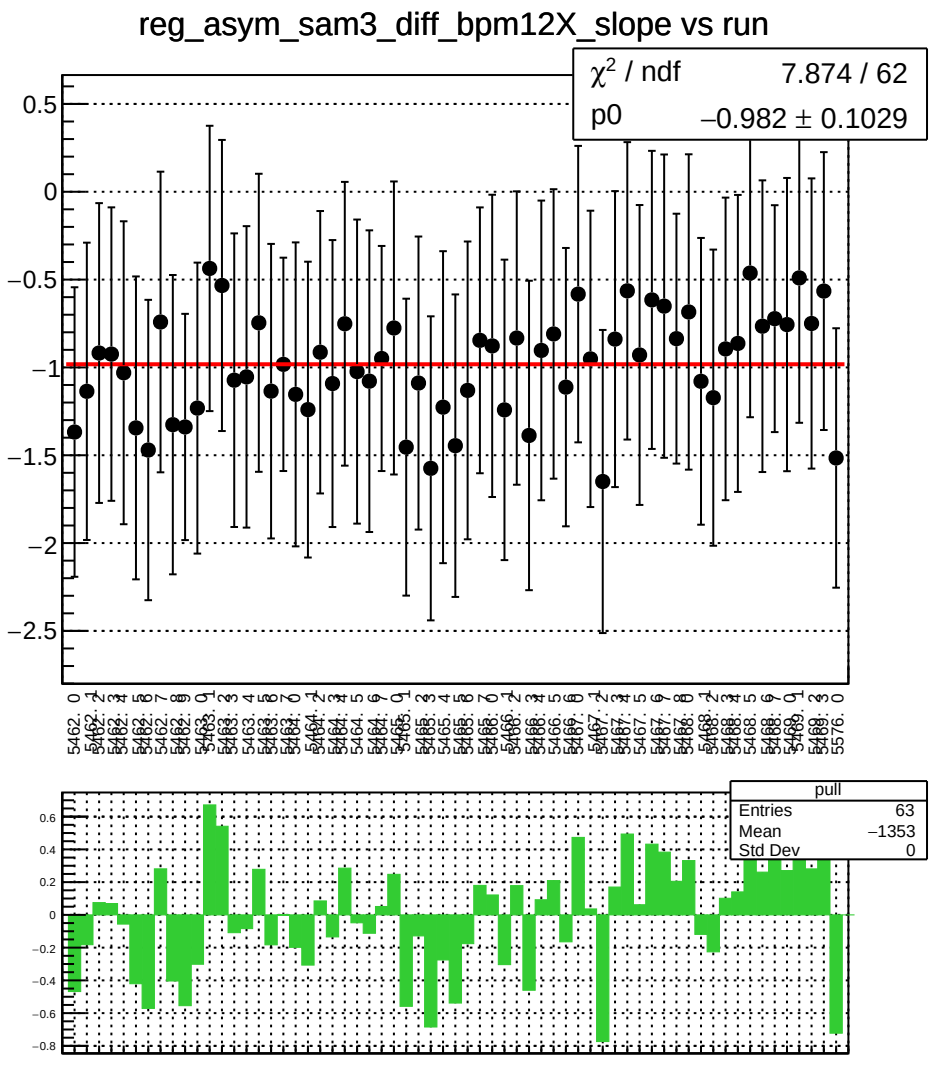

pull1D
Entries 63
Mean −0.05636
Std Dev 0.3383

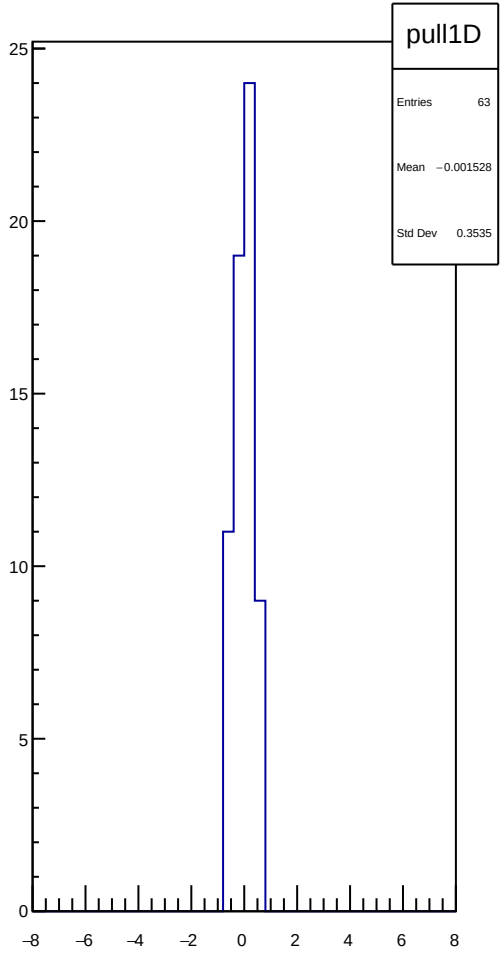

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 15.62 / 62
p0 −93.53 ± 2.45
pull
Entries 63
Mean 122
Std Dev 0

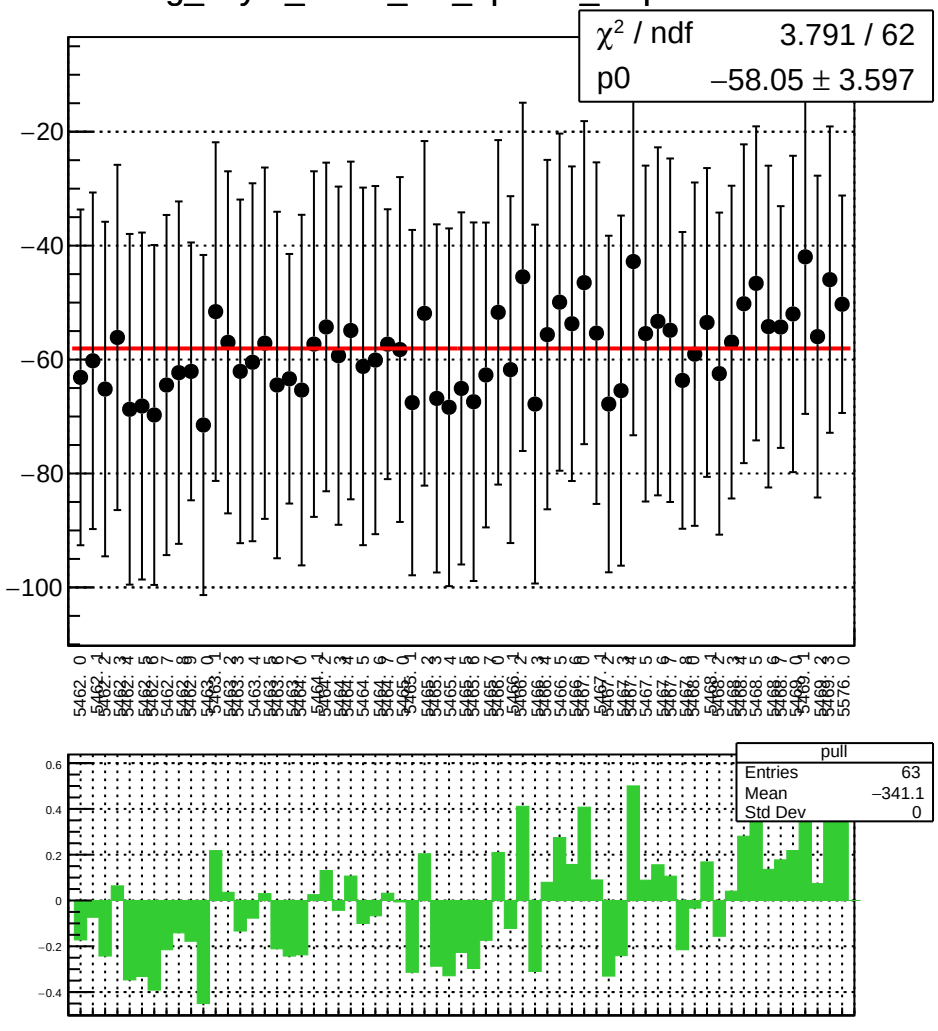

pull1D
Entries 63
Mean −0.01981
Std Dev 0.4975

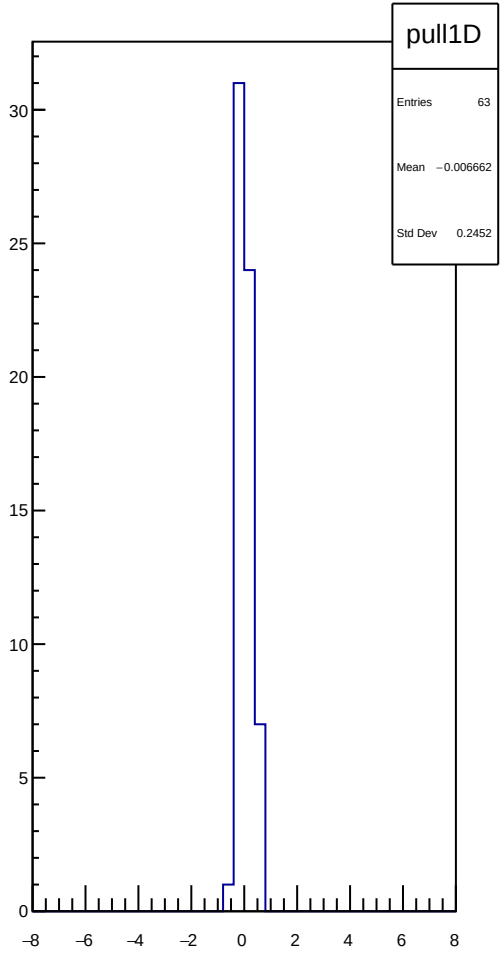

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 6.749 / 62
p0 29.76 ± 3.887
pull
Entries 63
Mean 50.94
Std Dev 0

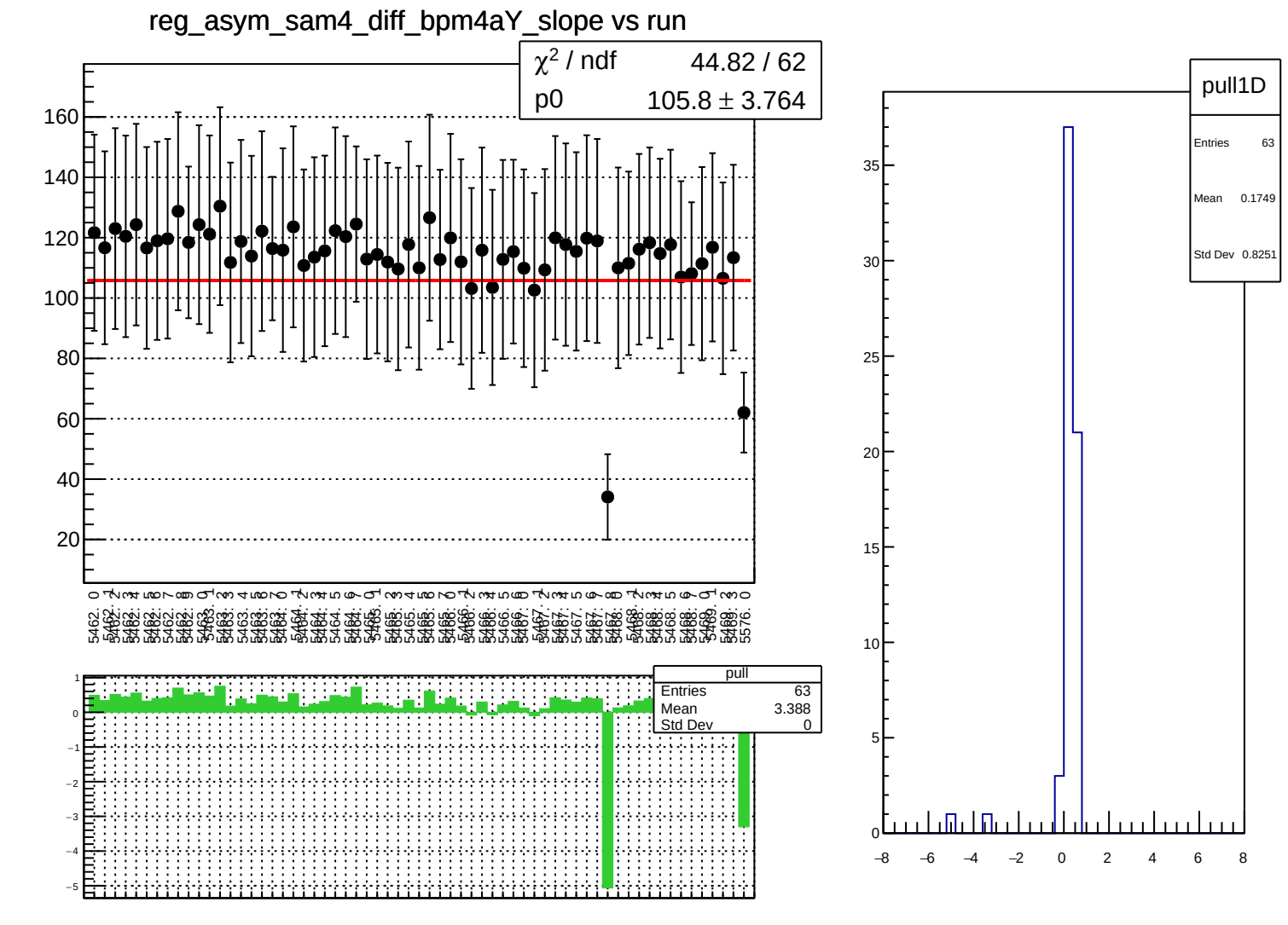

pull1D
Entries 63
Mean 0.04568
Std Dev 0.3241

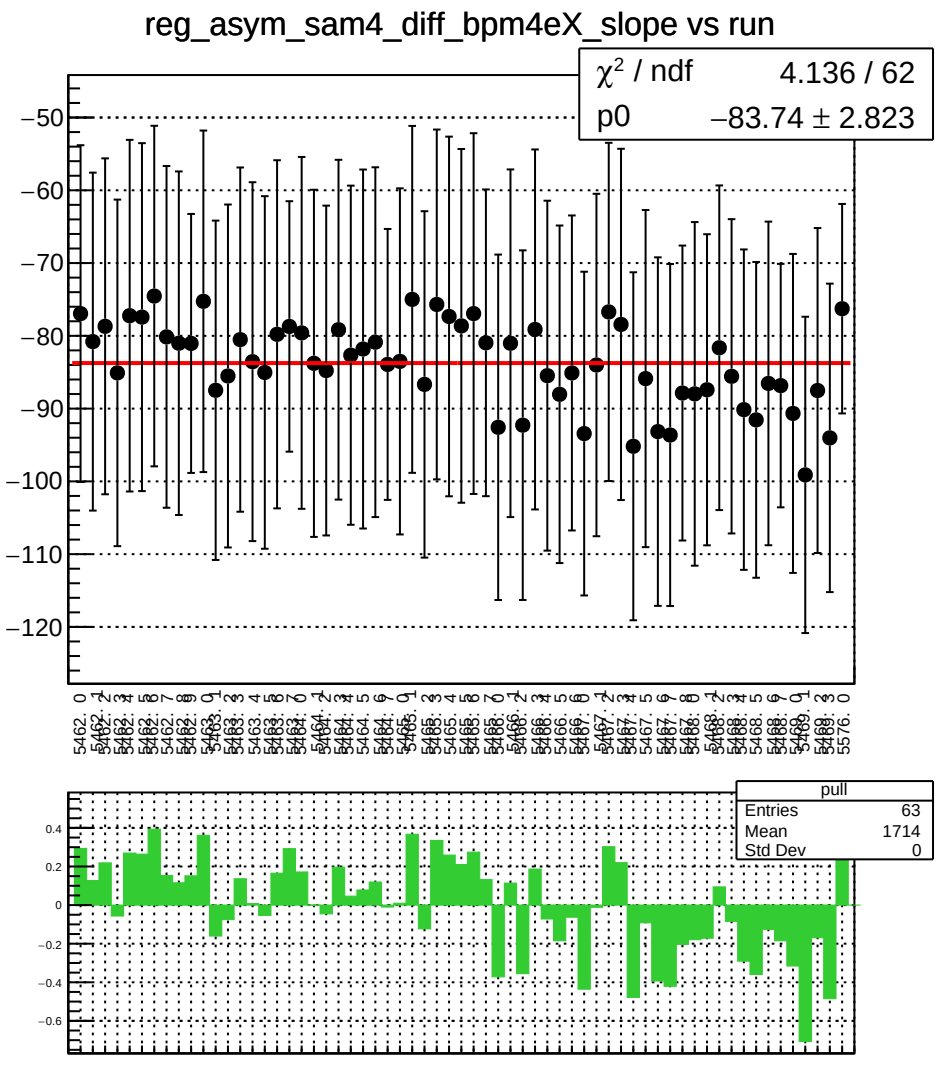

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 7.874 / 62
p0 −0.982 ± 0.1029
pull
Entries 63
Mean −1353
Std Dev 0

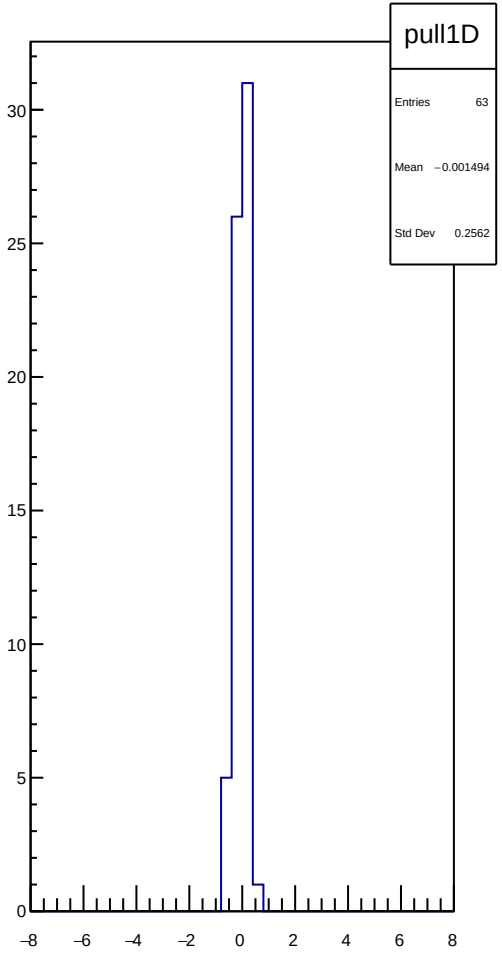

pull1D
Entries 63
Mean −0.001528
Std Dev 0.3535

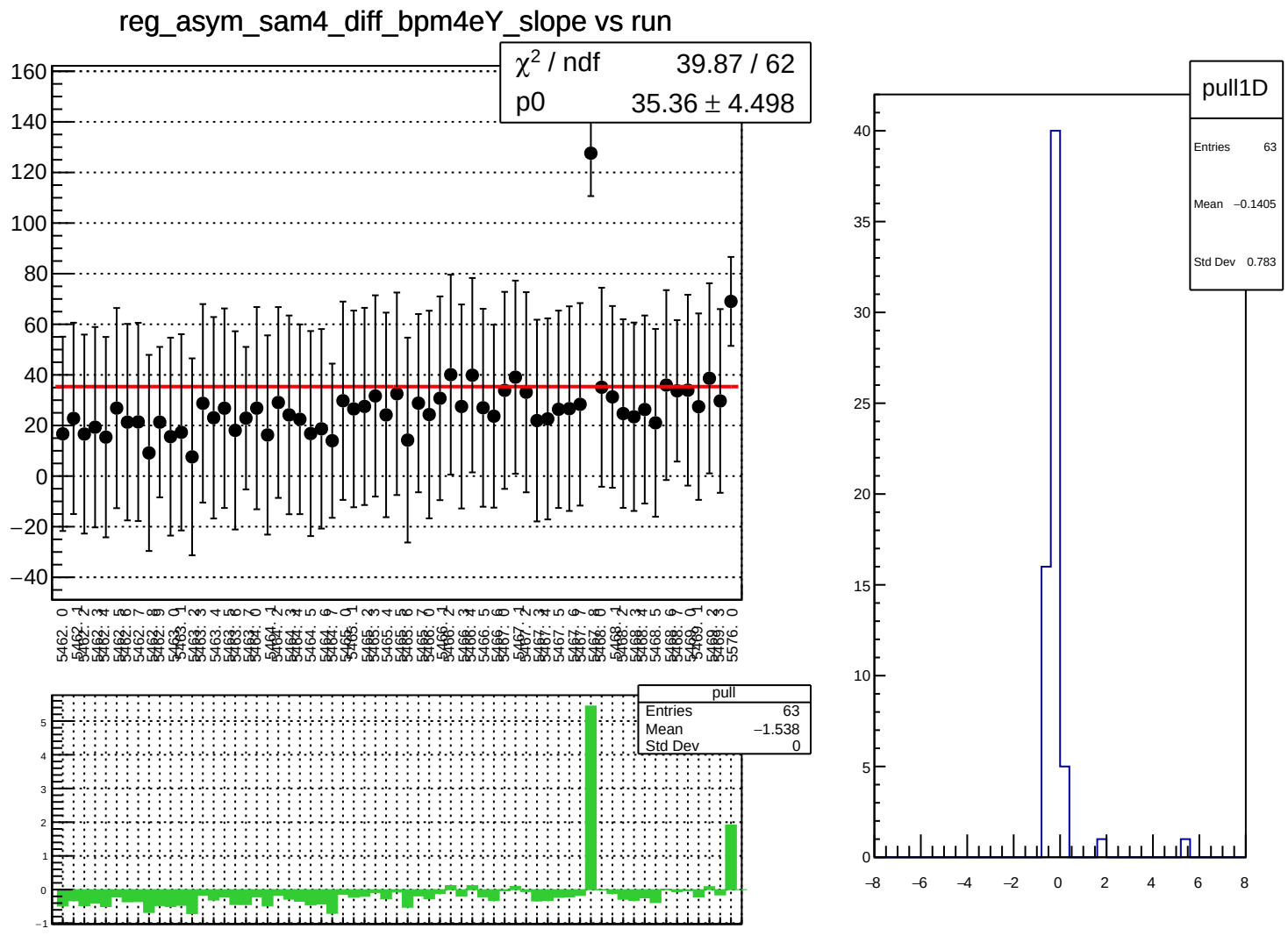

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 3.791 / 62
p0 −58.05 ± 3.597
pull
Entries 63
Mean −341.1
Std Dev 0

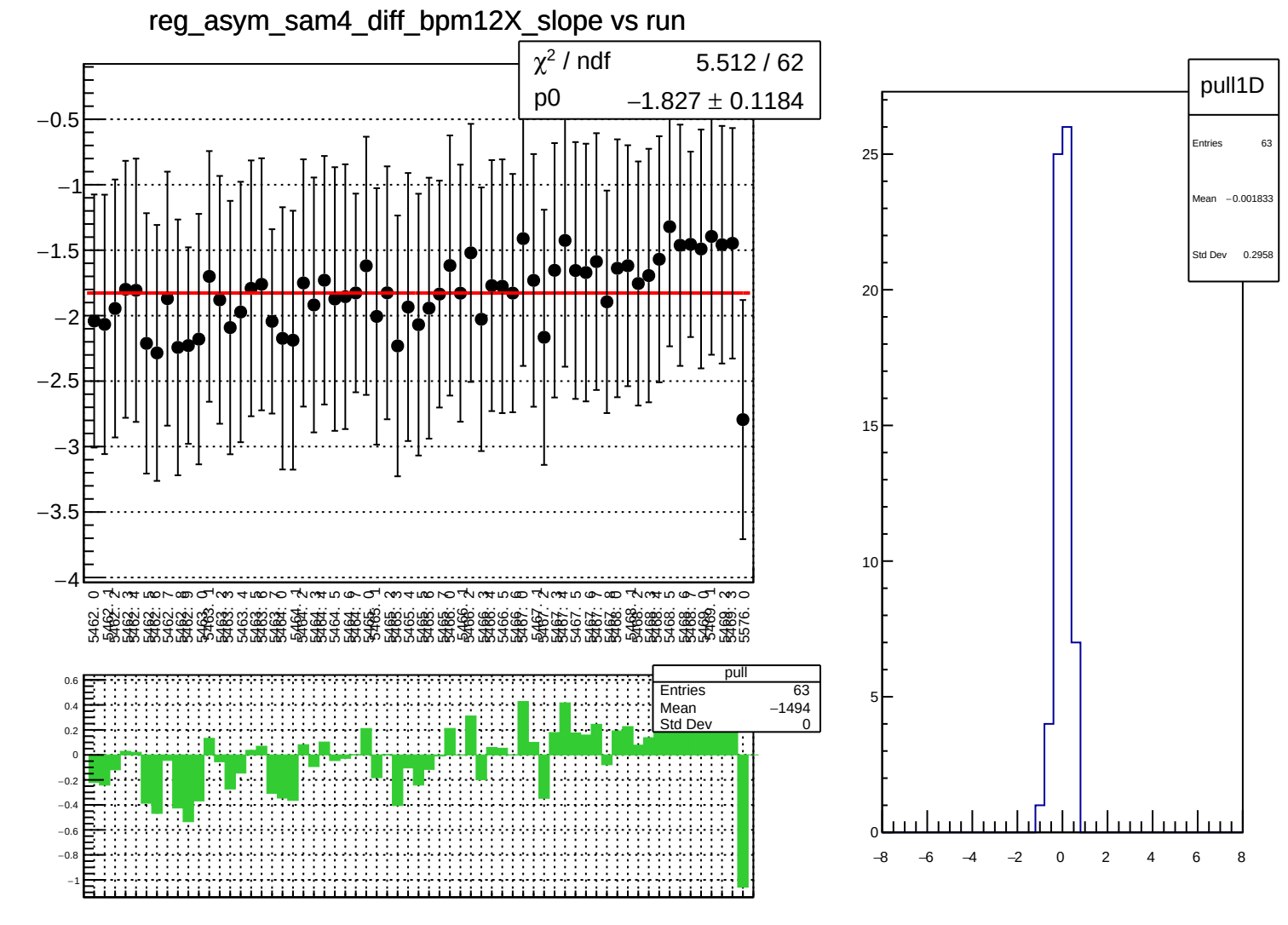

pull1D
Entries 63
Mean −0.006662
Std Dev 0.2452

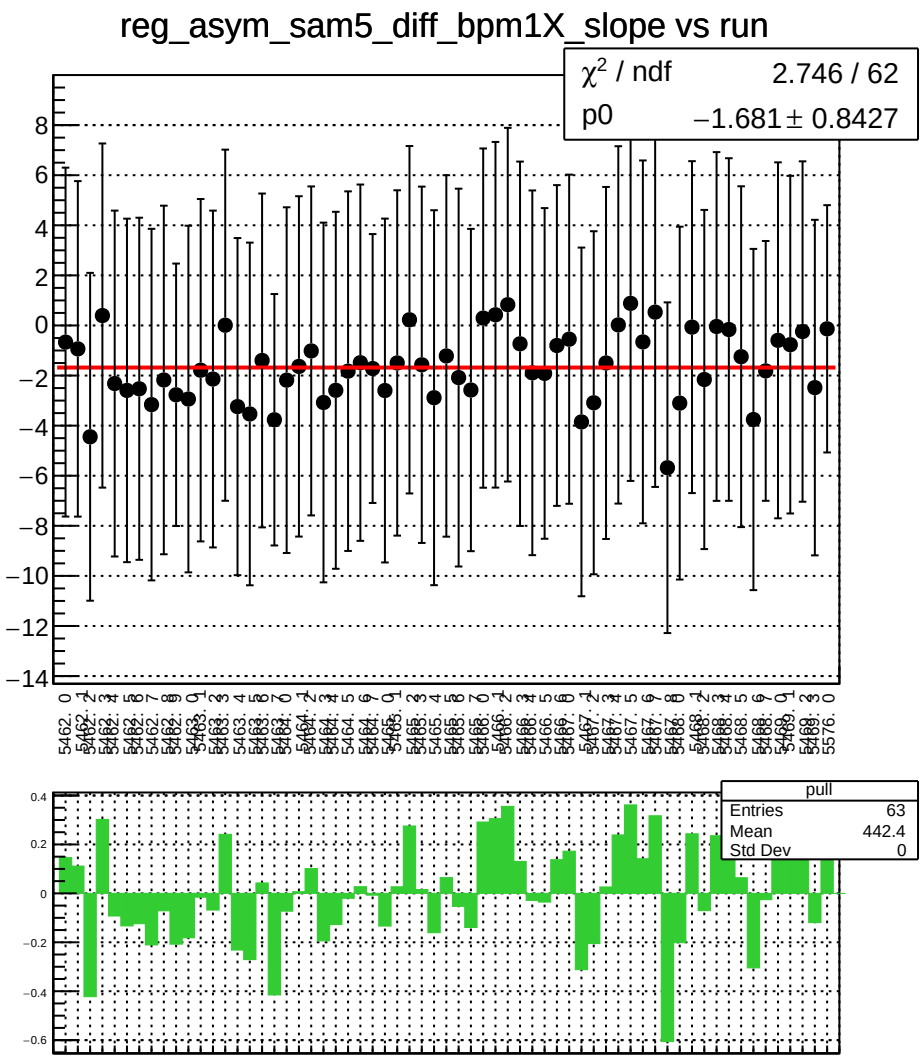

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 44.82 / 62
p0 105.8 ± 3.764
pull
Entries 63
Mean 3.388
Std Dev 0
pull1D
Entries 63
Mean 0.1749
Std Dev 0.8251

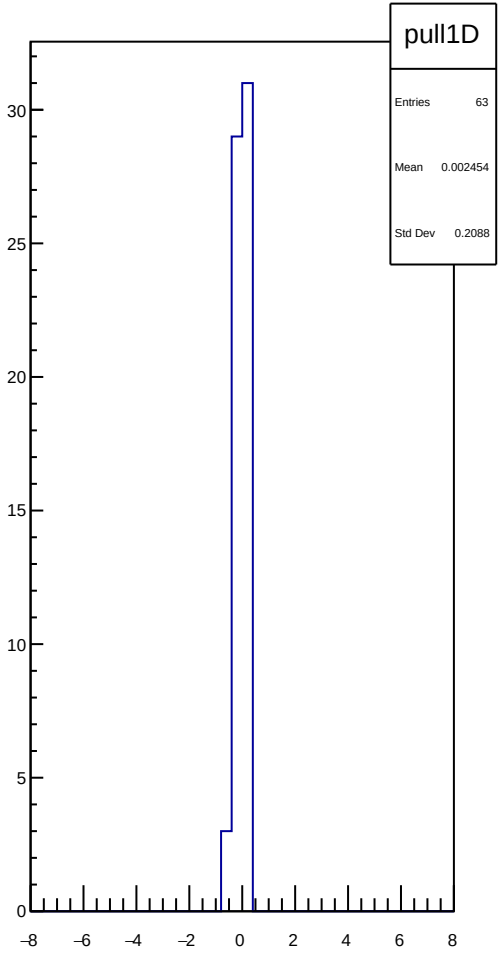

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 4.136 / 62
p0 −83.74 ± 2.823
pull
Entries 63
Mean 1714
Std Dev 0

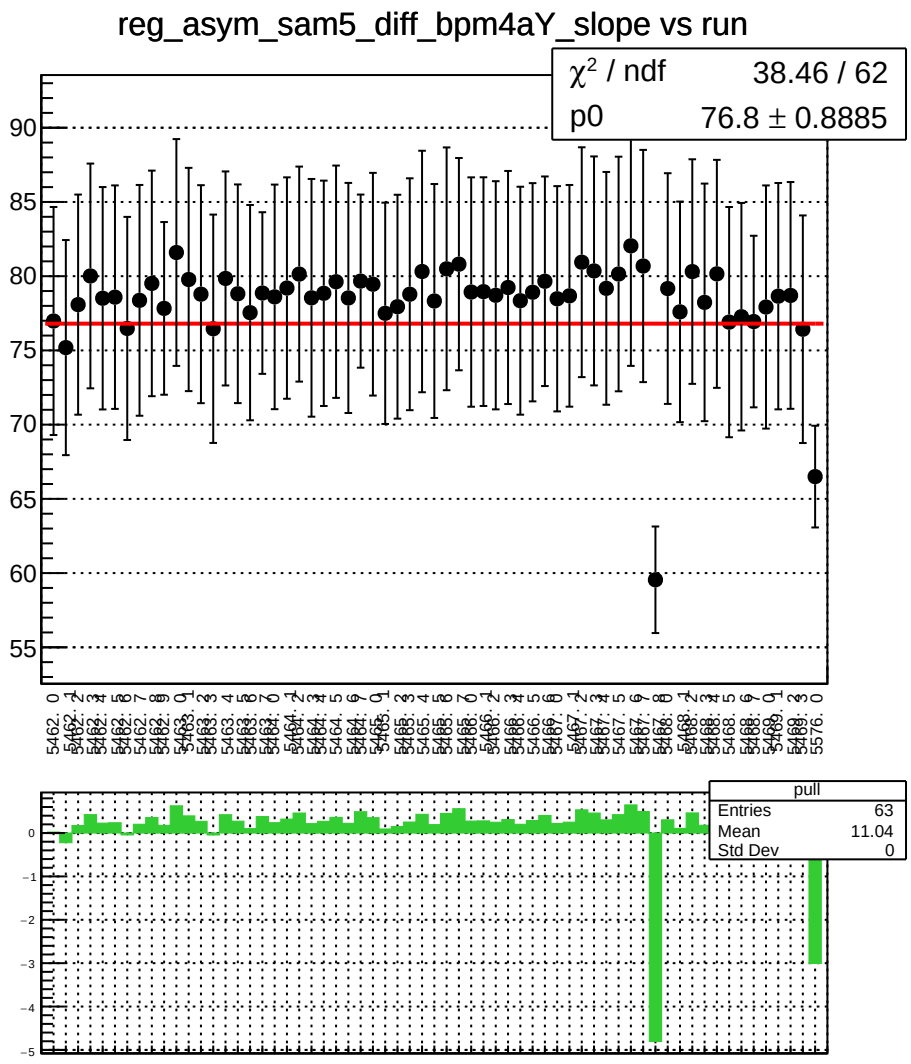

pull1D
Entries 63
Mean −0.001494
Std Dev 0.2562

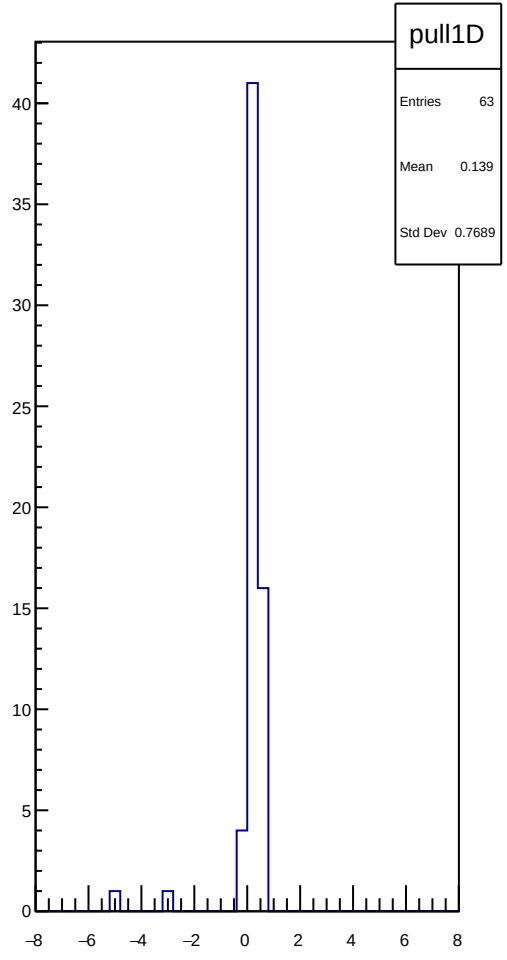

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 39.87 / 62
p0 35.36 ± 4.498
pull
Entries 63
Mean −1.538
Std Dev 0
pull1D
Entries 63
Mean −0.1405
Std Dev 0.783

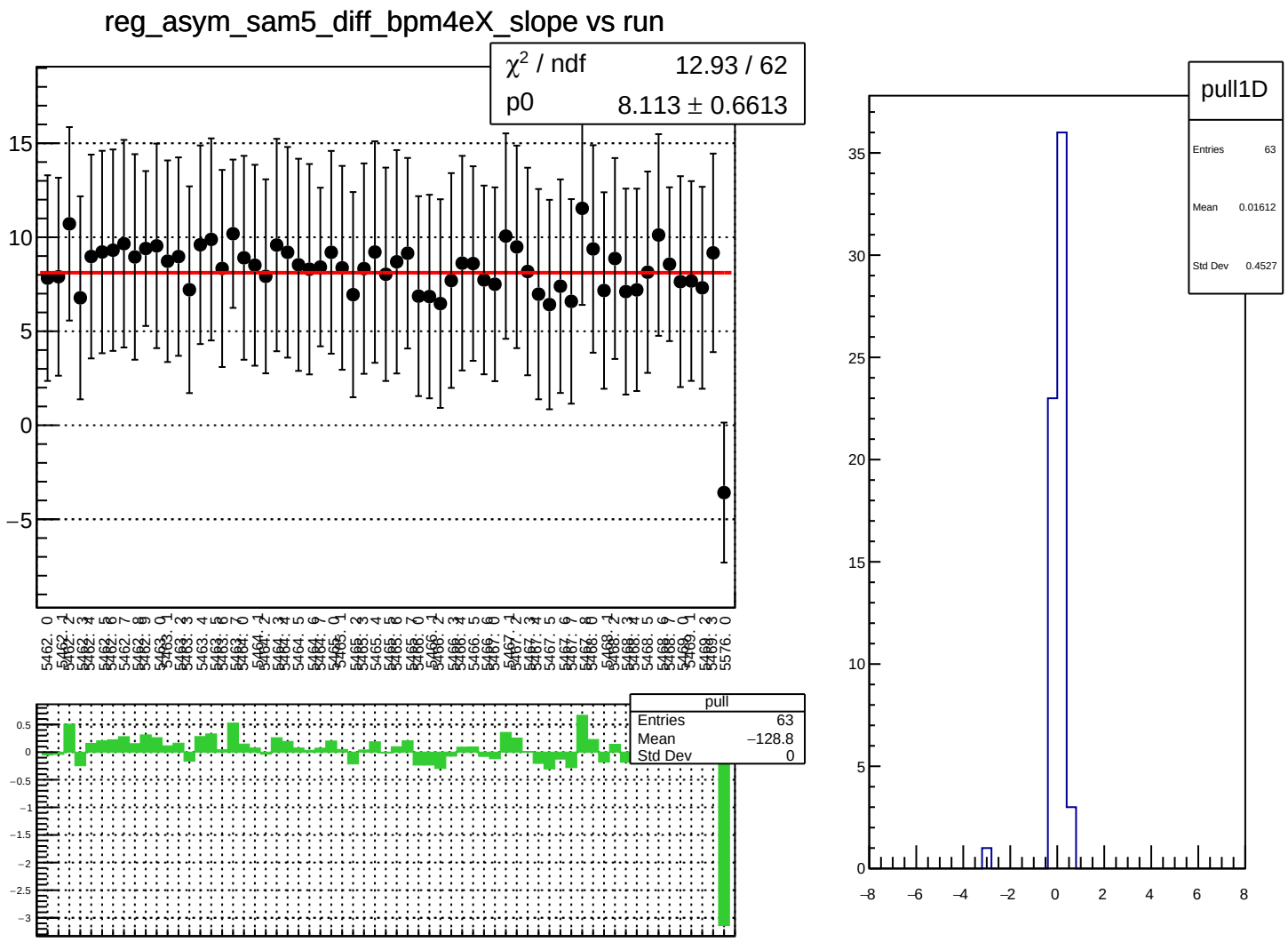

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 5.512 / 62
p0 −1.827 ± 0.1184
pull
Entries 63
Mean −1494
Std Dev 0
pull1D
Entries 63
Mean −0.001833
Std Dev 0.2958

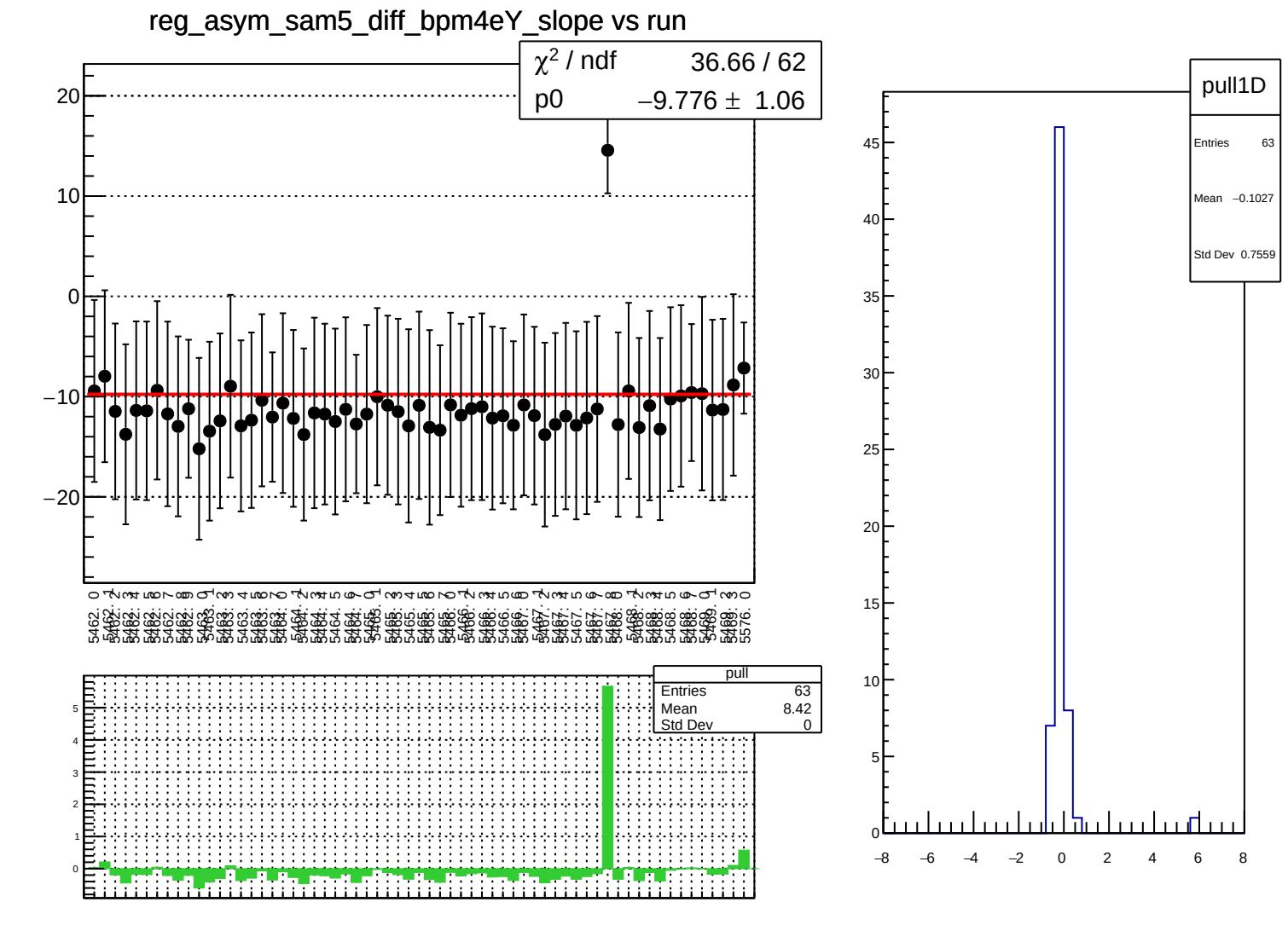

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.746 / 62
p0 −1.681 ± 0.8427
pull
Entries 63
Mean 442.4
Std Dev 0

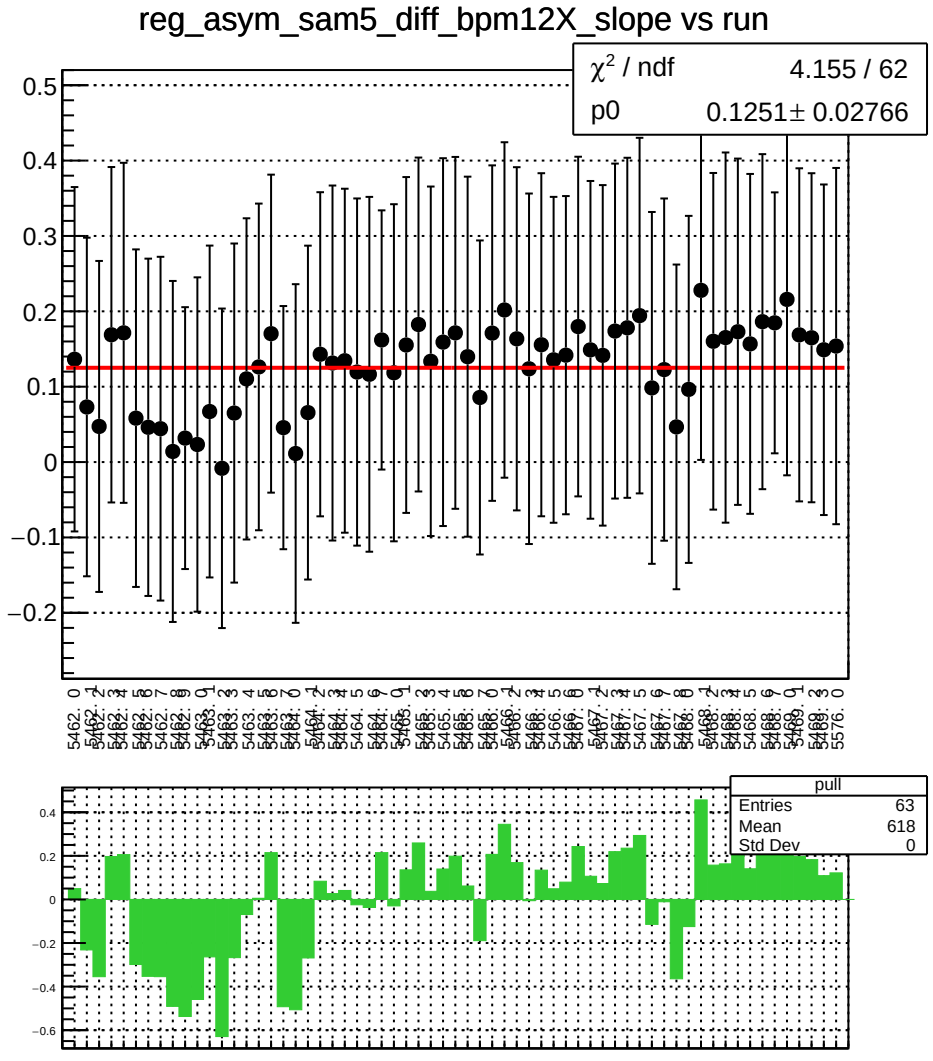

pull1D
Entries 63
Mean 0.002454
Std Dev 0.2088

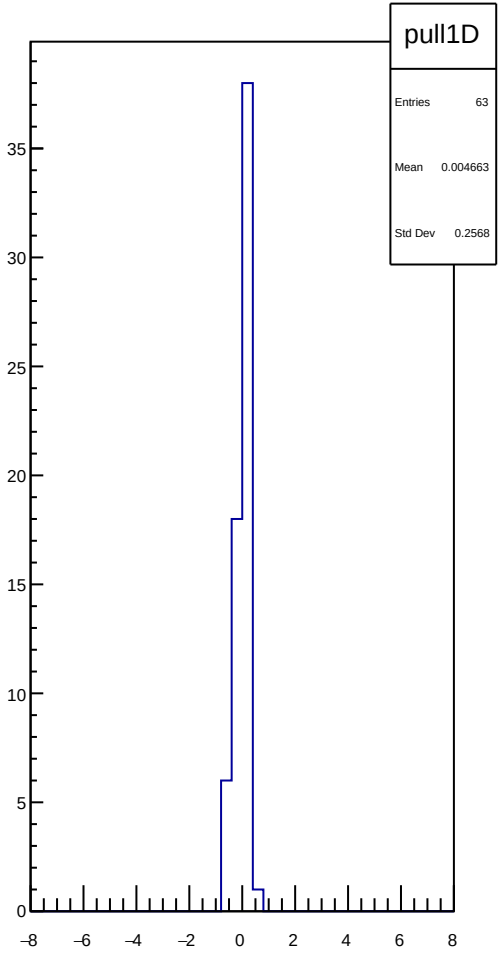

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 38.46 / 62
p0 76.8 ± 0.8885
pull
Entries 63
Mean 11.04
Std Dev 0

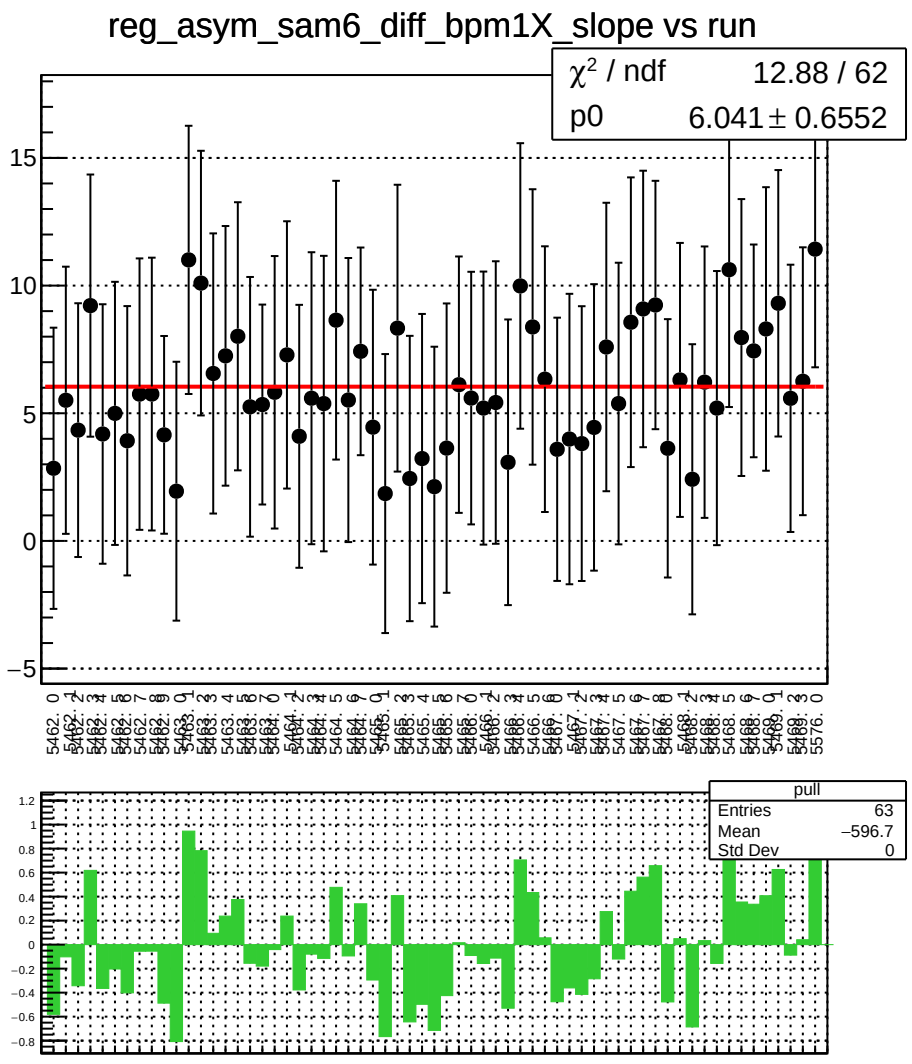

pull1D
Entries 63
Mean 0.139
Std Dev 0.7689

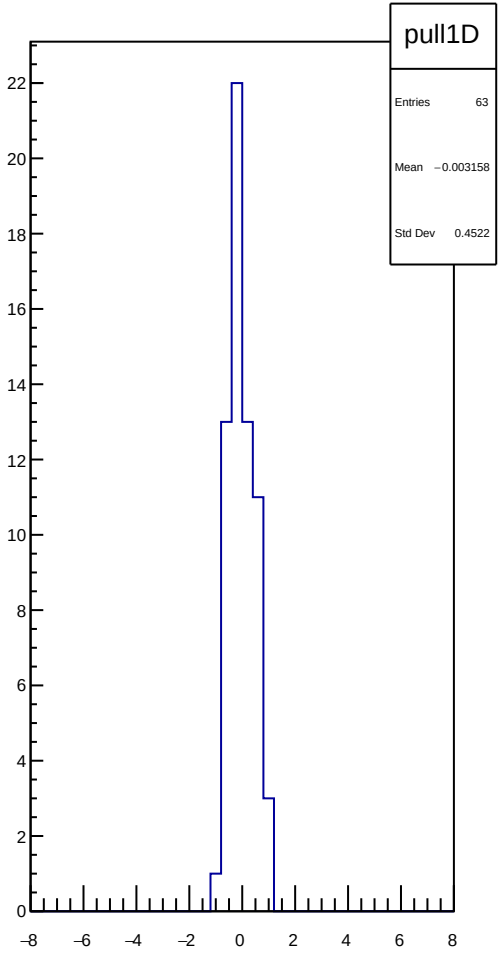

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 12.93 / 62
p0 8.113 ± 0.6613
pull
Entries 63
Mean −128.8
Std Dev 0
pull1D
Entries 63
Mean 0.01612
Std Dev 0.4527

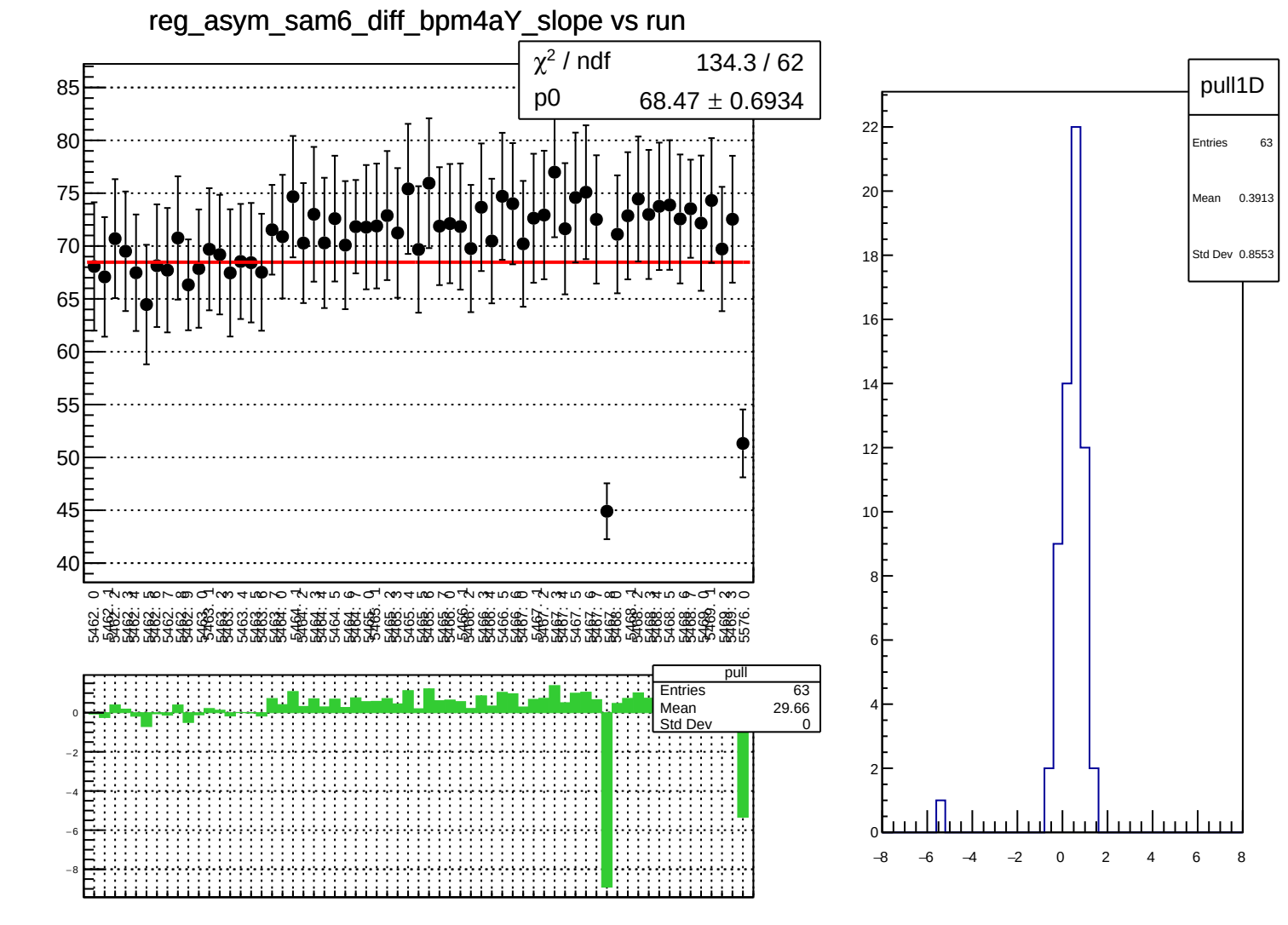

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 36.66 / 62
p0 −9.776 ± 1.06
pull
Entries 63
Mean 8.42
Std Dev 0
pull1D
Entries 63
Mean −0.1027
Std Dev 0.7559

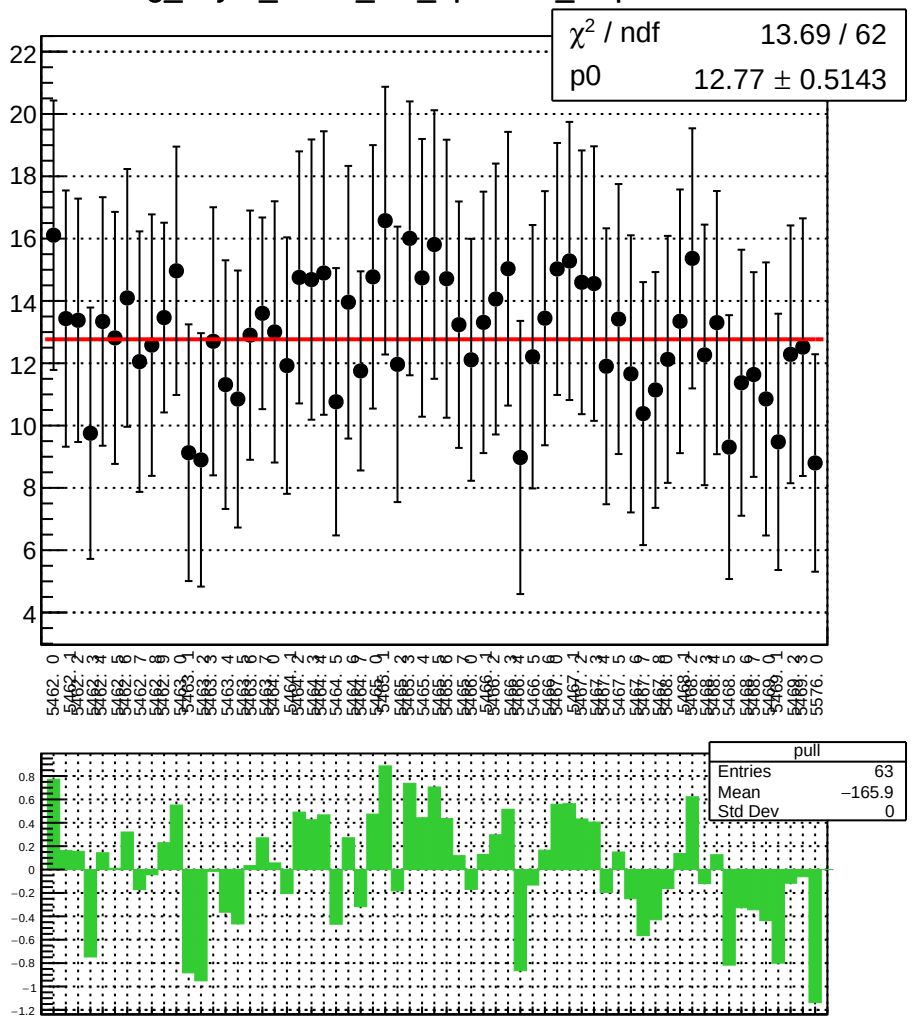

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 4.155 / 62
p0 0.1251± 0.02766
pull
Entries 63
Mean 618
Std Dev 0

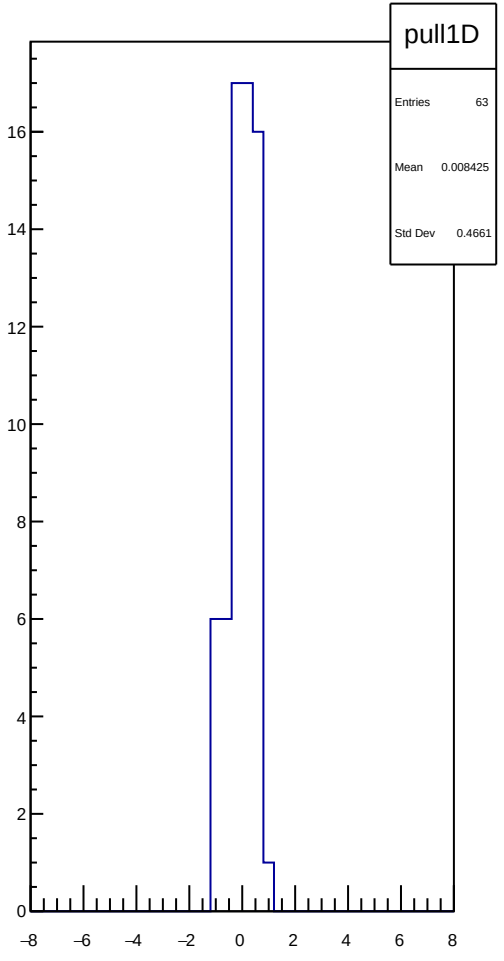

pull1D
Entries 63
Mean 0.004663
Std Dev 0.2568

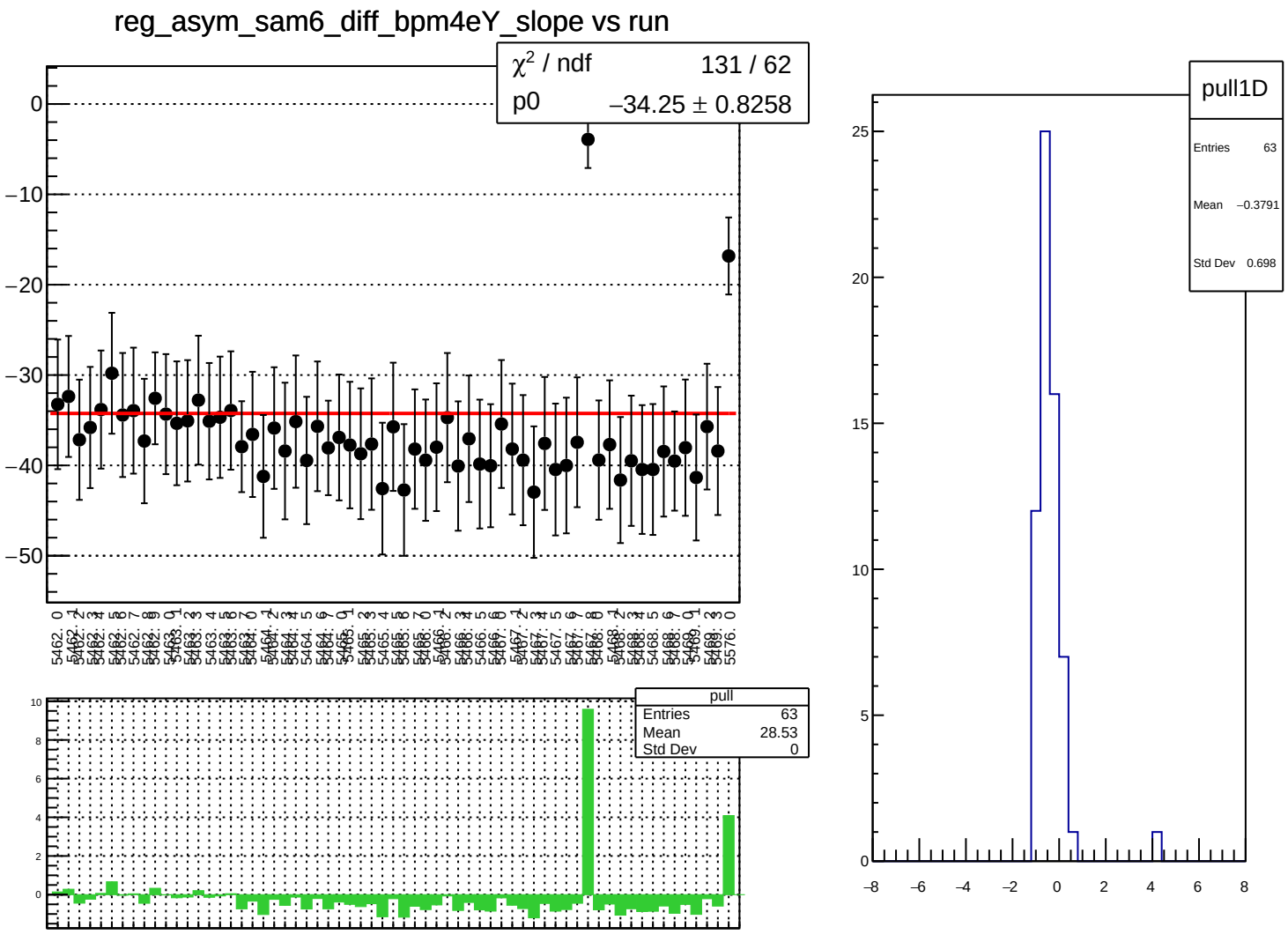

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 12.88 / 62
p0 6.041 ± 0.6552
pull
Entries 63
Mean −596.7
Std Dev 0

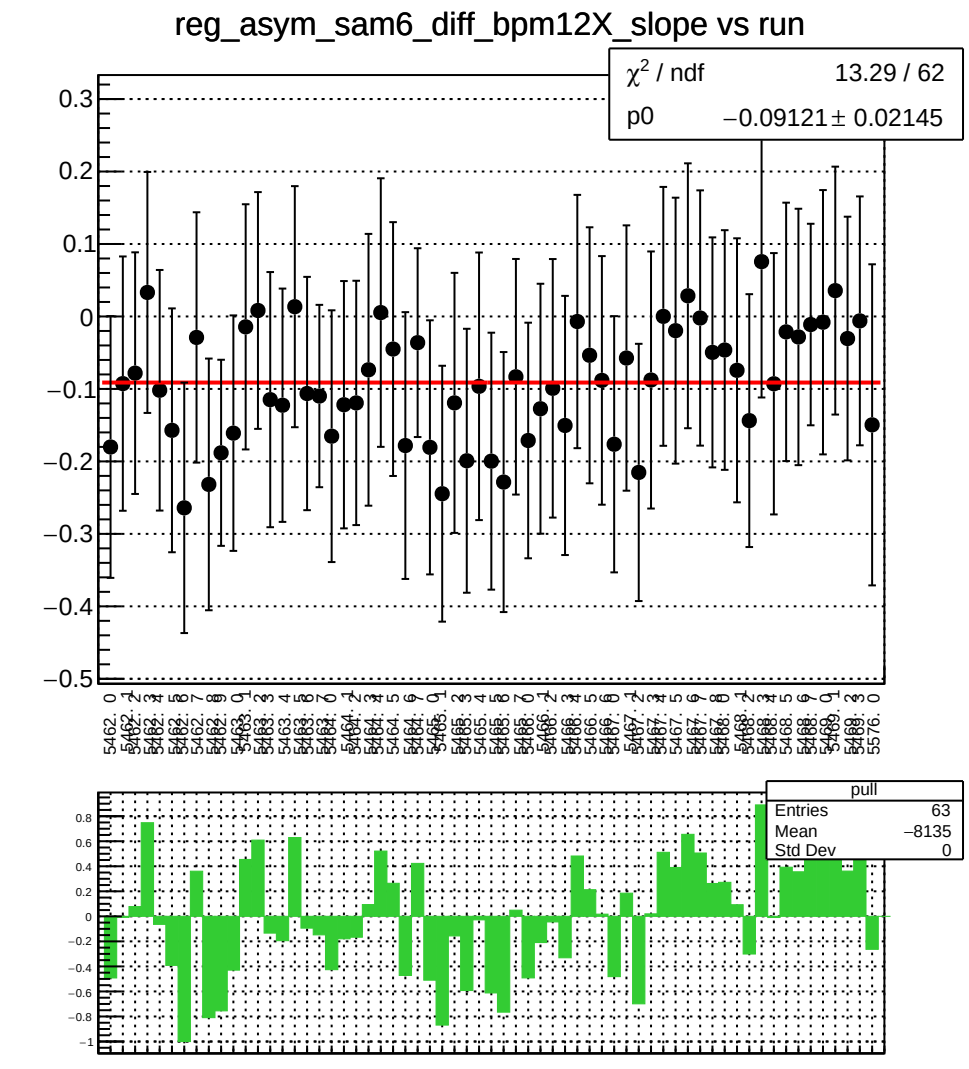

pull1D
Entries 63
Mean −0.003158
Std Dev 0.4522

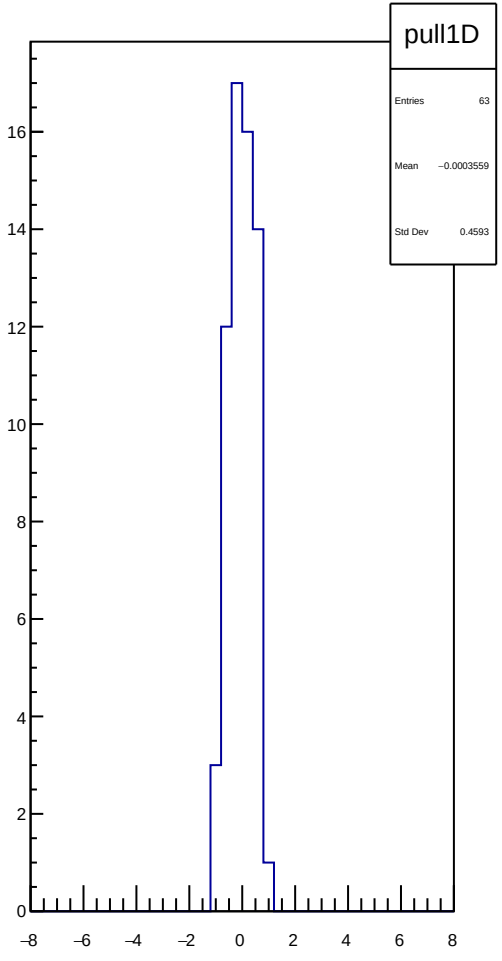

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 134.3 / 62
p0 68.47 ± 0.6934
pull
Entries 63
Mean 29.66
Std Dev 0
pull1D
Entries 63
Mean 0.3913
Std Dev 0.8553

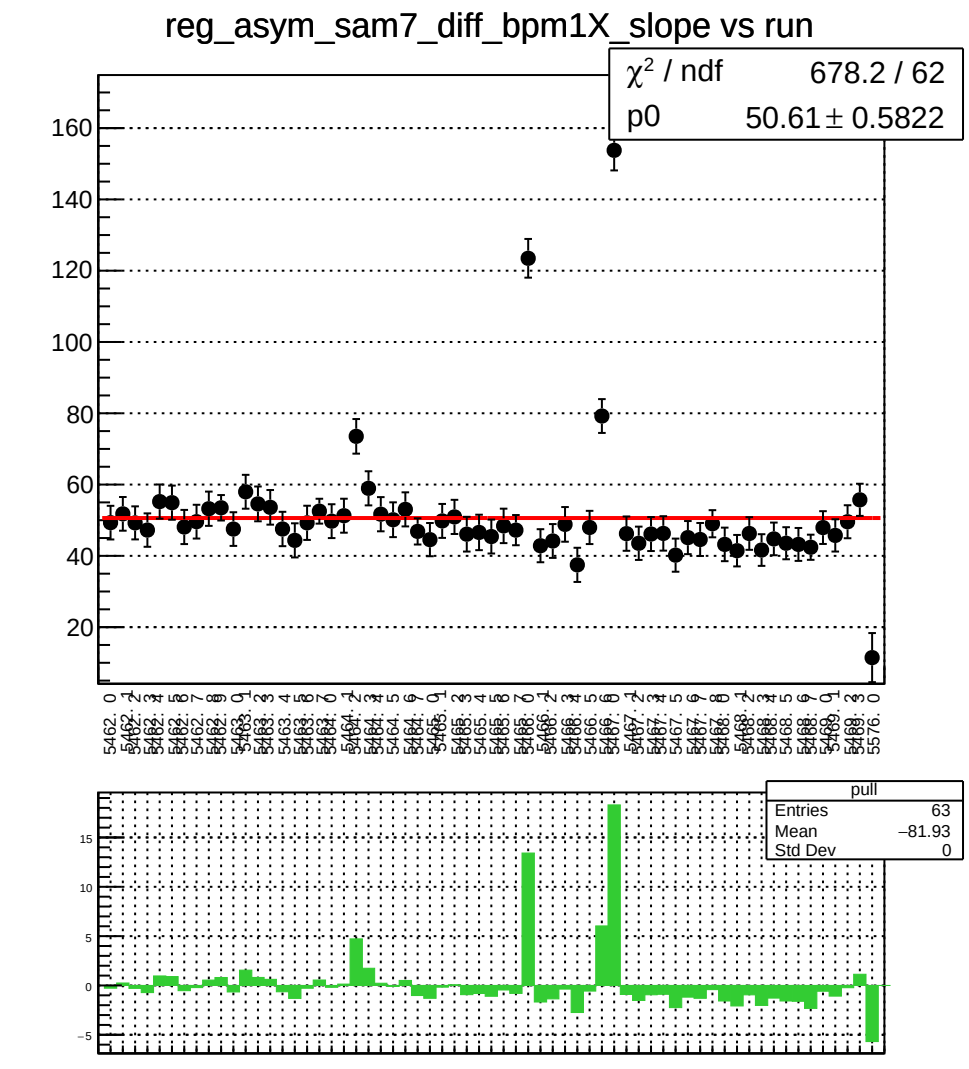

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 13.69 / 62
p0 12.77 ± 0.5143
pull
Entries 63
Mean −165.9
Std Dev 0

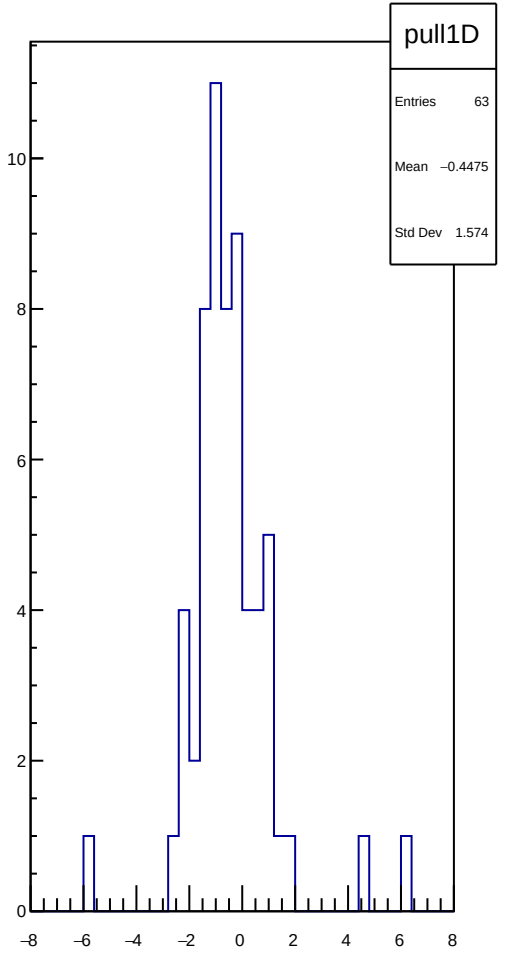

pull1D
Entries 63
Mean 0.008425
Std Dev 0.4661

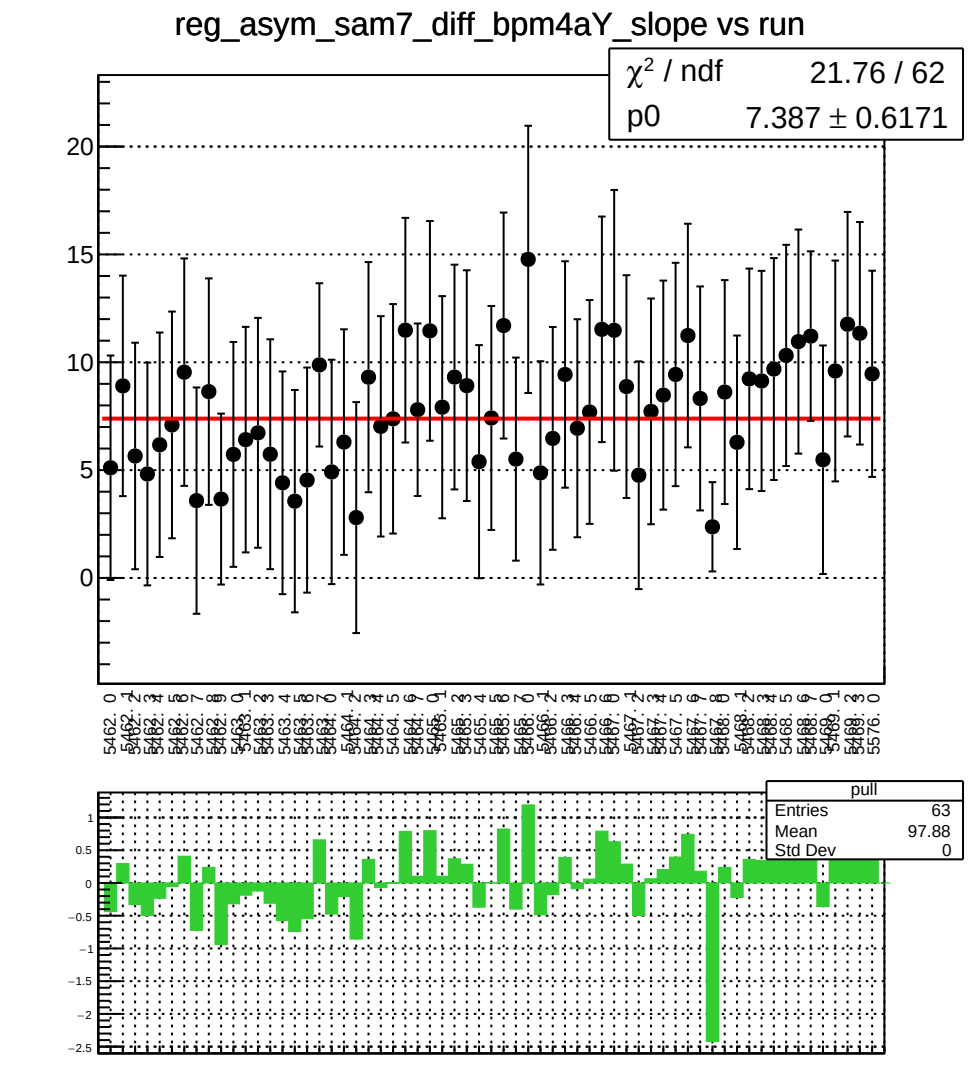

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 131 / 62
p0 −34.25 ± 0.8258
pull
Entries 63
Mean 28.53
Std Dev 0
pull1D
Entries 63
Mean −0.3791
Std Dev 0.698

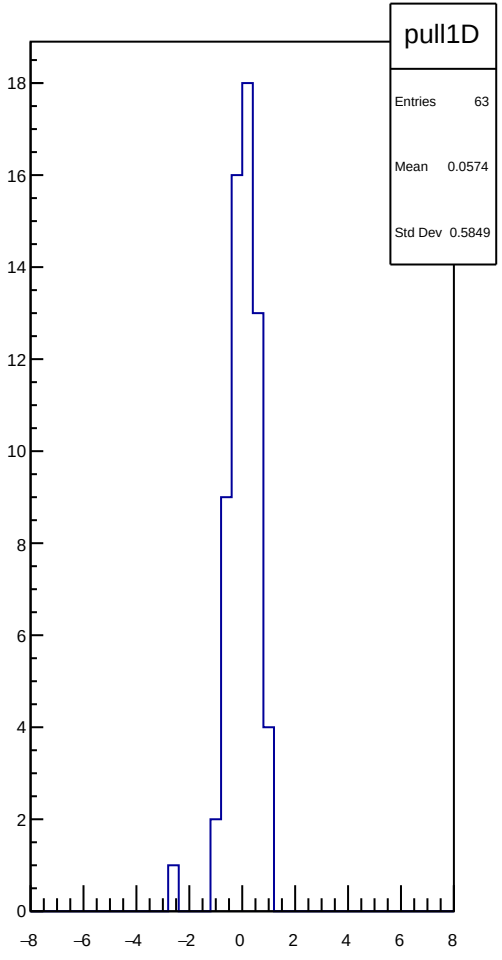

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 13.29 / 62
p0 −0.09121 ± 0.02145
pull
Entries 63
Mean −8135
Std Dev 0

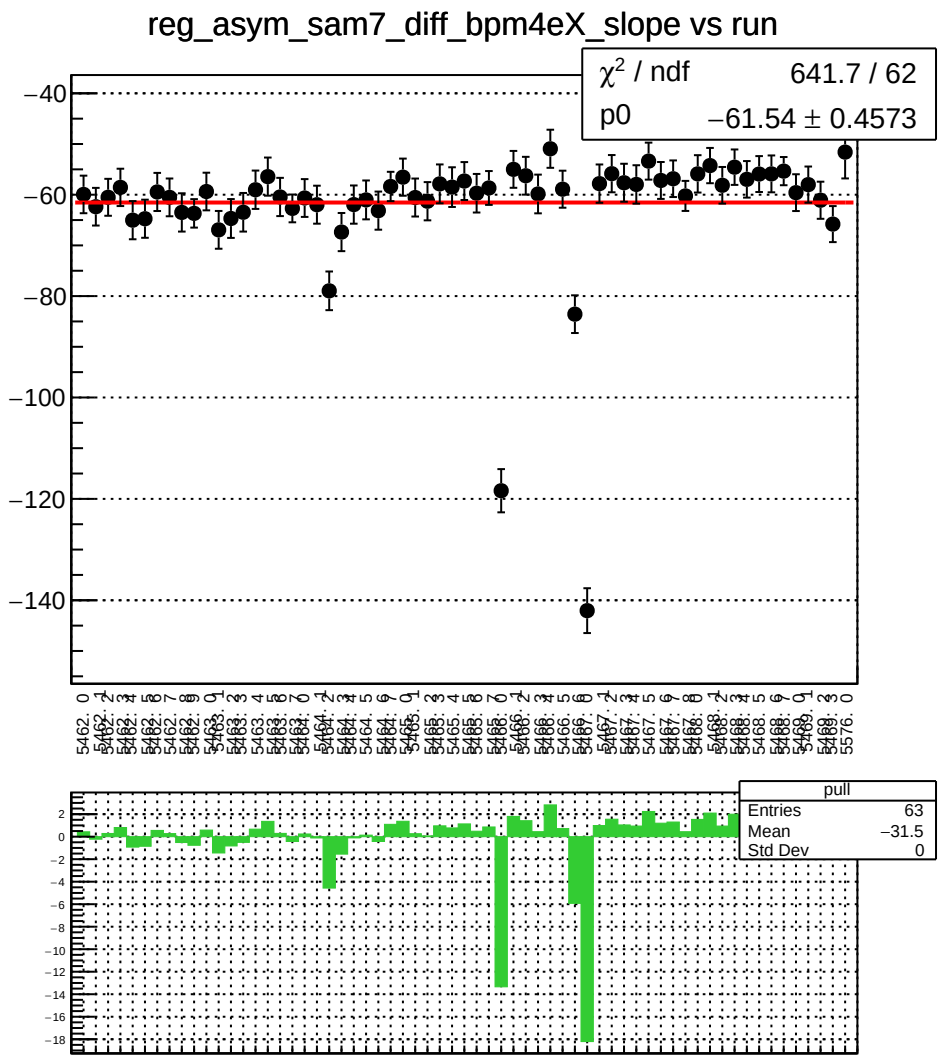

pull1D
Entries 63
Mean −0.0003559
Std Dev 0.4593

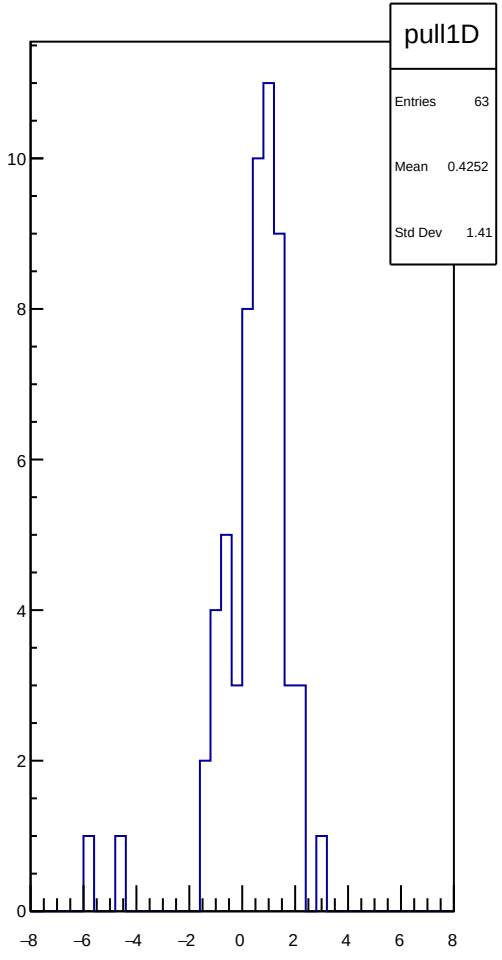

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 678.2 / 62
p0 50.61 ± 0.5822
pull
Entries 63
Mean −81.93
Std Dev 0

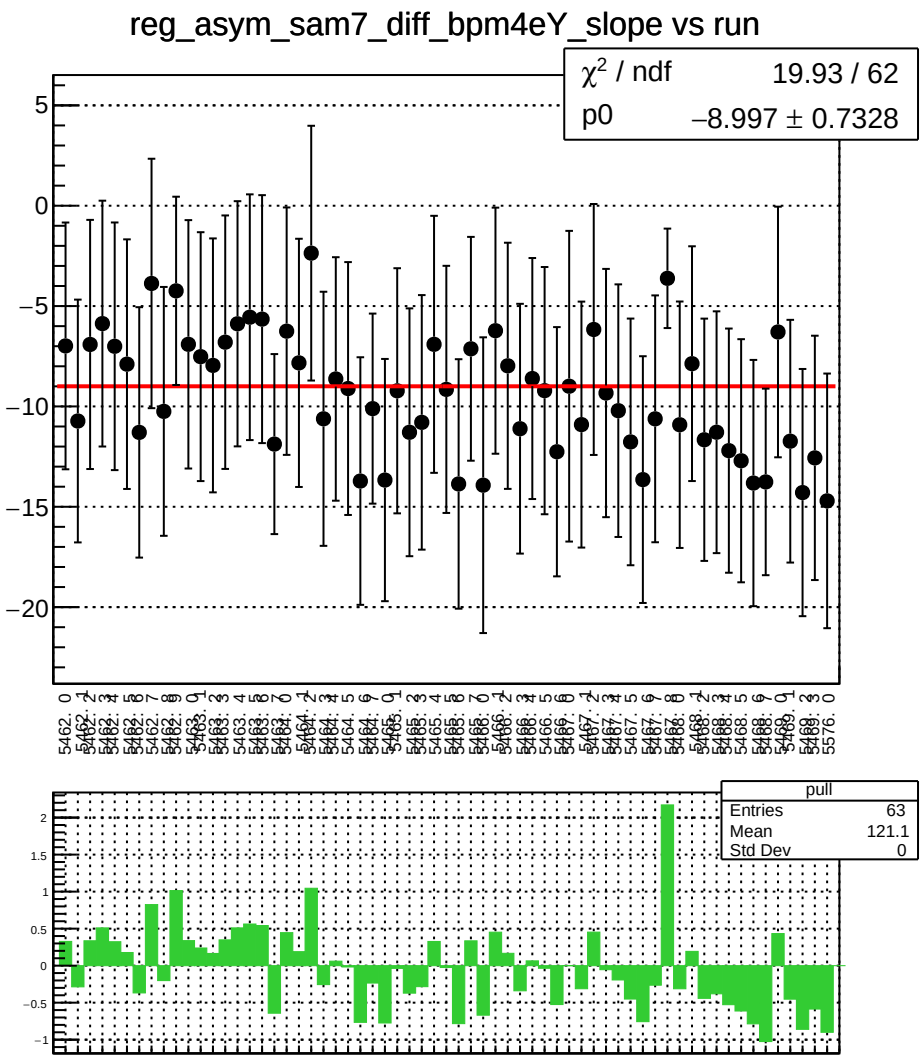

pull1D
Entries 63
Mean −0.4475
Std Dev 1.574

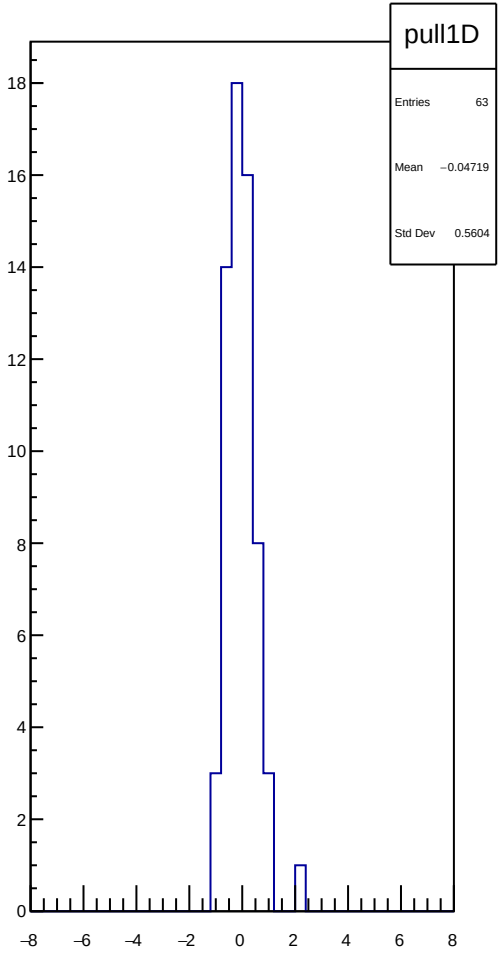

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 21.76 / 62
p0 7.387 ± 0.6171
pull
Entries 63
Mean 97.88
Std Dev 0

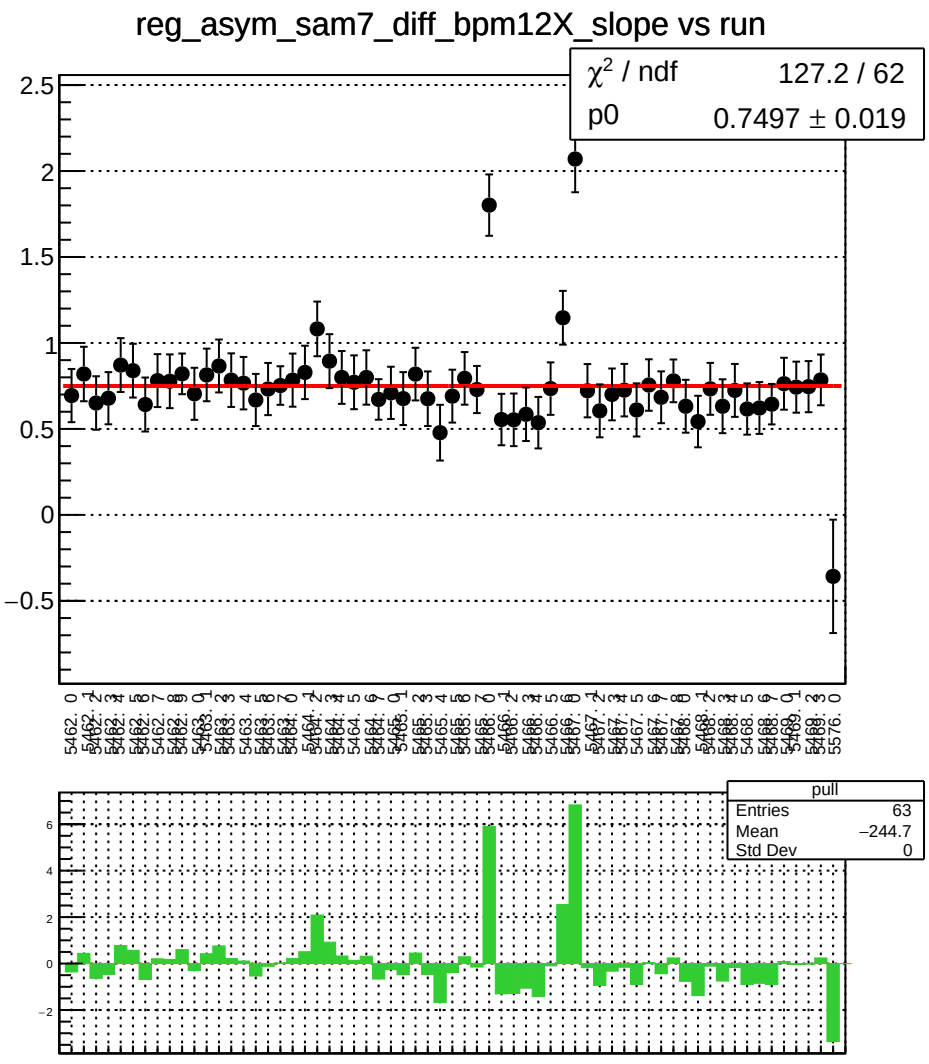

pull1D
Entries 63
Mean 0.0574
Std Dev 0.5849

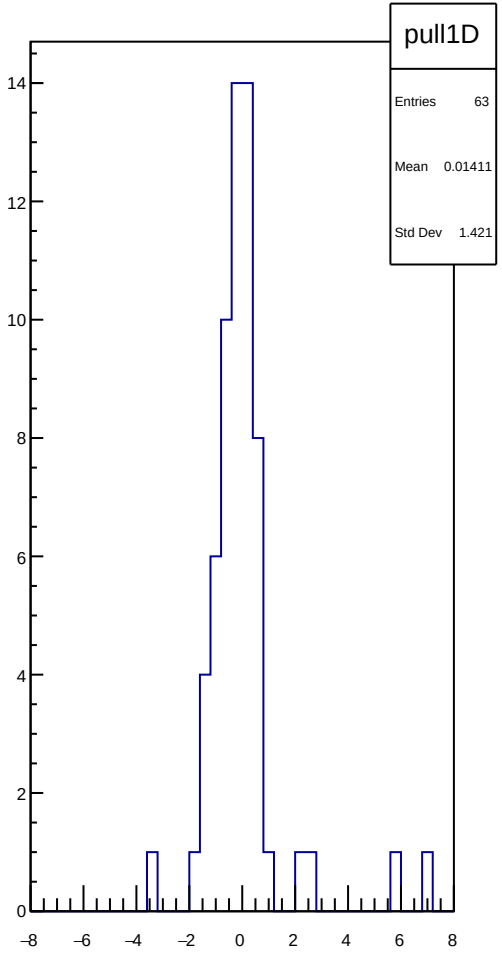

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 641.7 / 62
p0 −61.54 ± 0.4573
pull
Entries 63
Mean −31.5
Std Dev 0

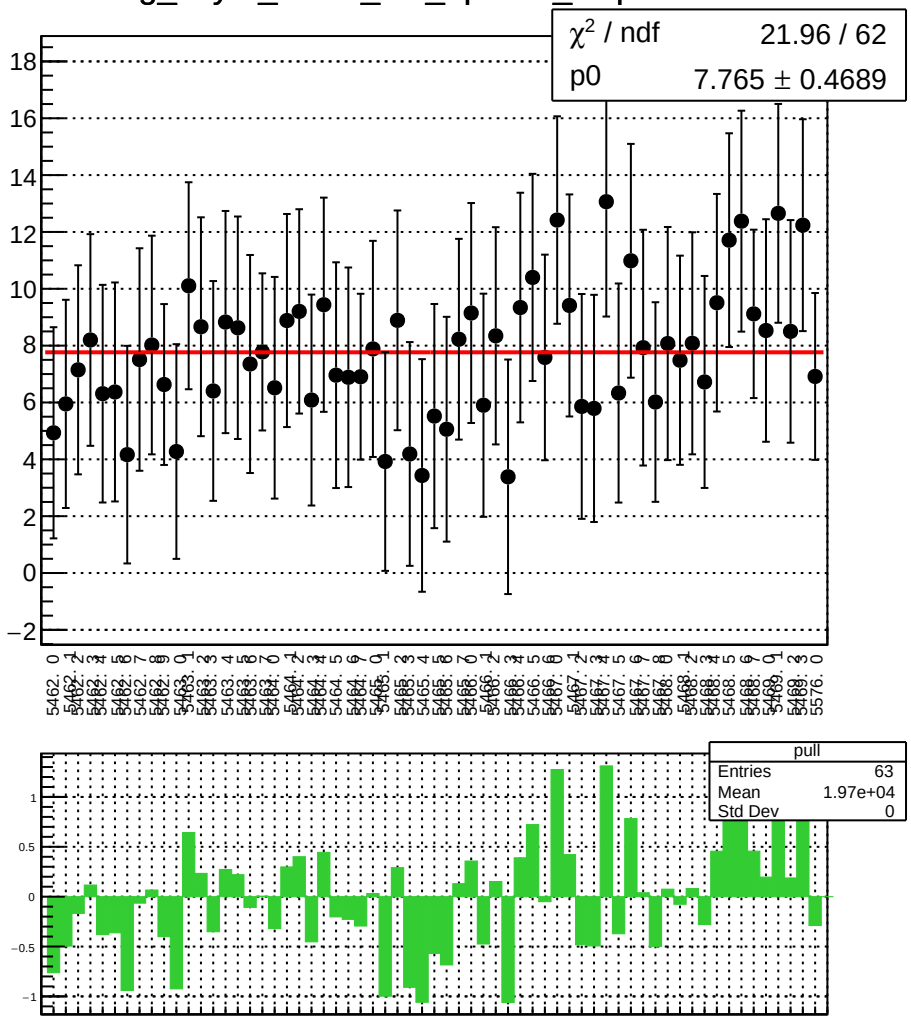

pull1D
Entries 63
Mean 0.4252
Std Dev 1.41

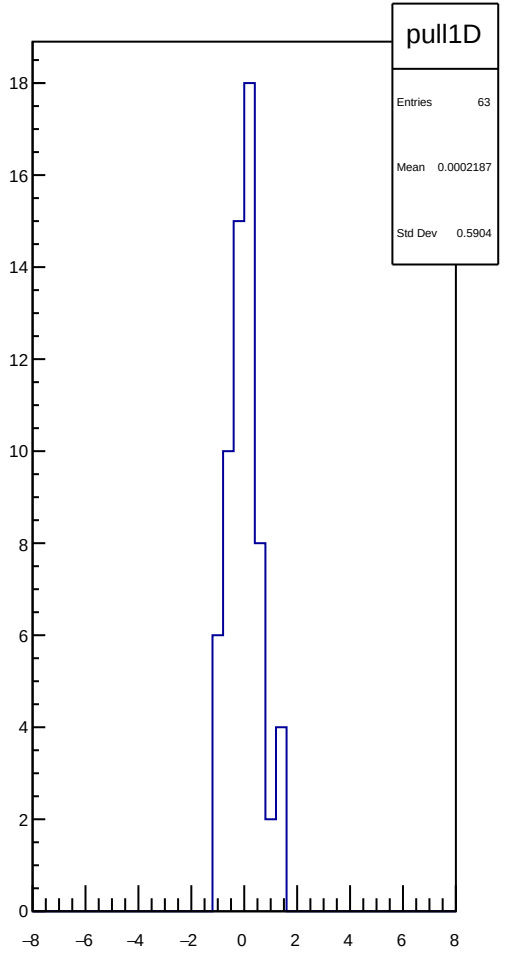

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 19.93 / 62
p0 −8.997 ± 0.7328
pull
Entries 63
Mean 121.1
Std Dev 0

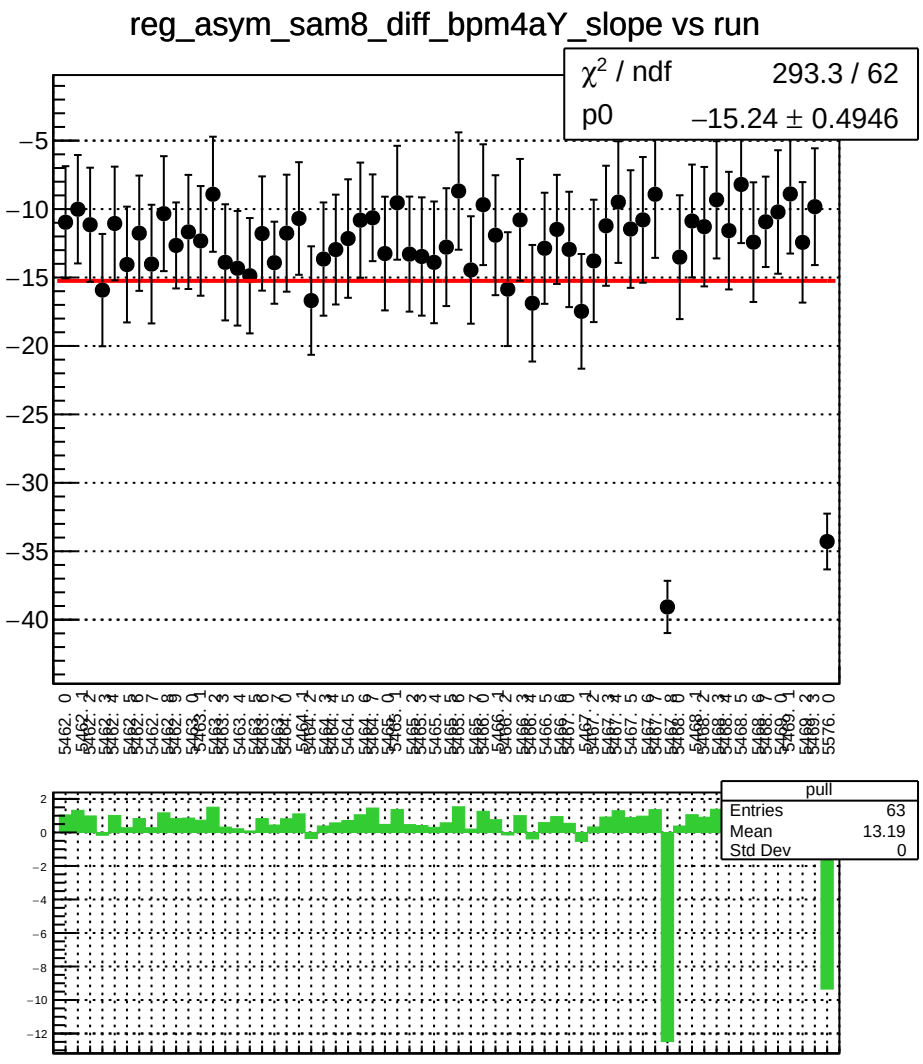

pull1D
Entries 63
Mean −0.04719
Std Dev 0.5604

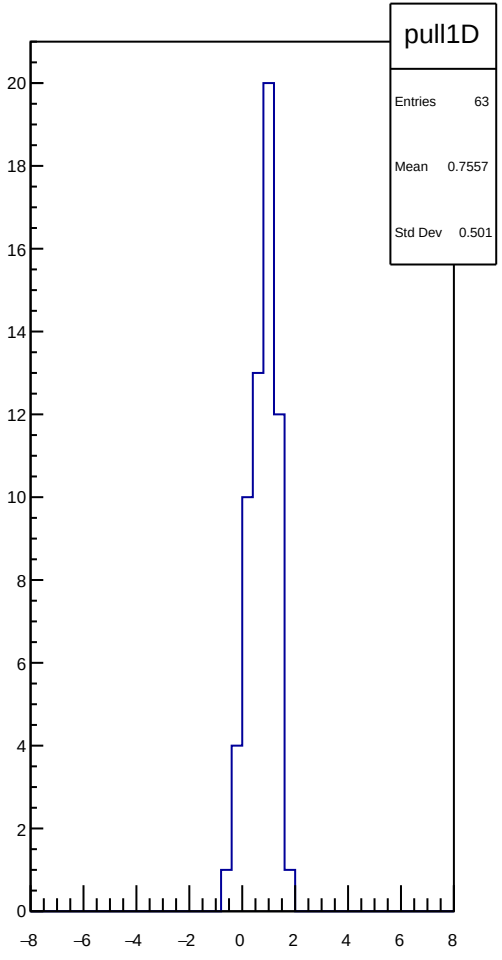

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 127.2 / 62
p0 0.7497 ± 0.019
pull
Entries 63
Mean −244.7
Std Dev 0

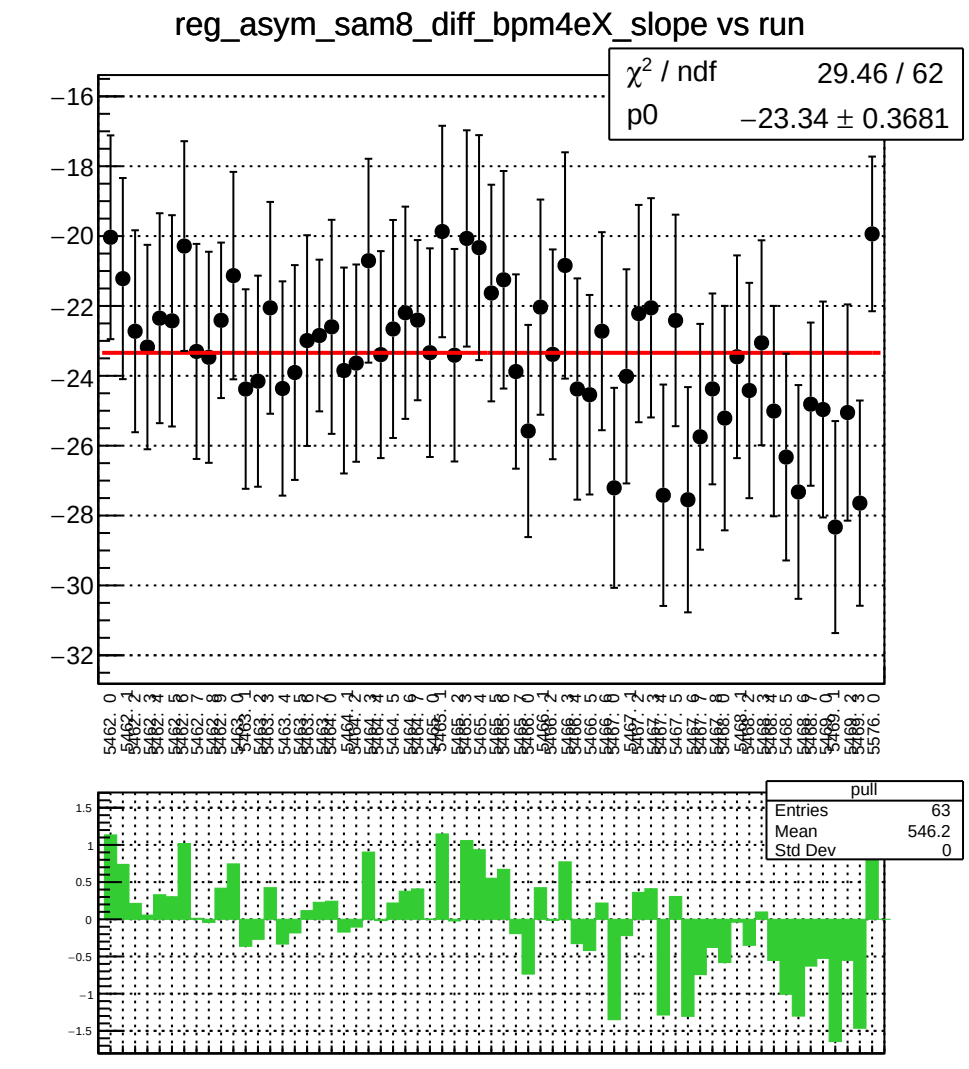

pull1D
Entries 63
Mean 0.01411
Std Dev 1.421

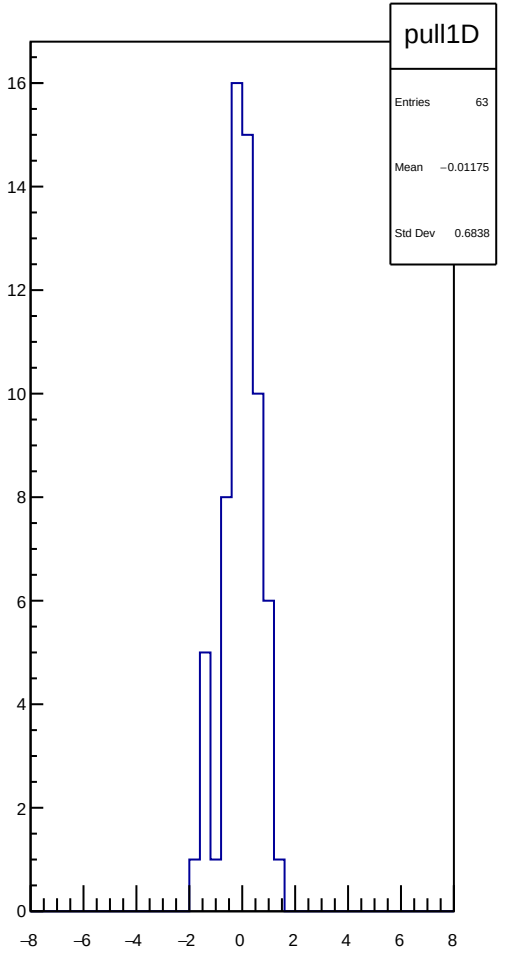

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 21.96 / 62
p0 7.765 ± 0.4689
pull
Entries 63
Mean 1.97e+04
Std Dev 0

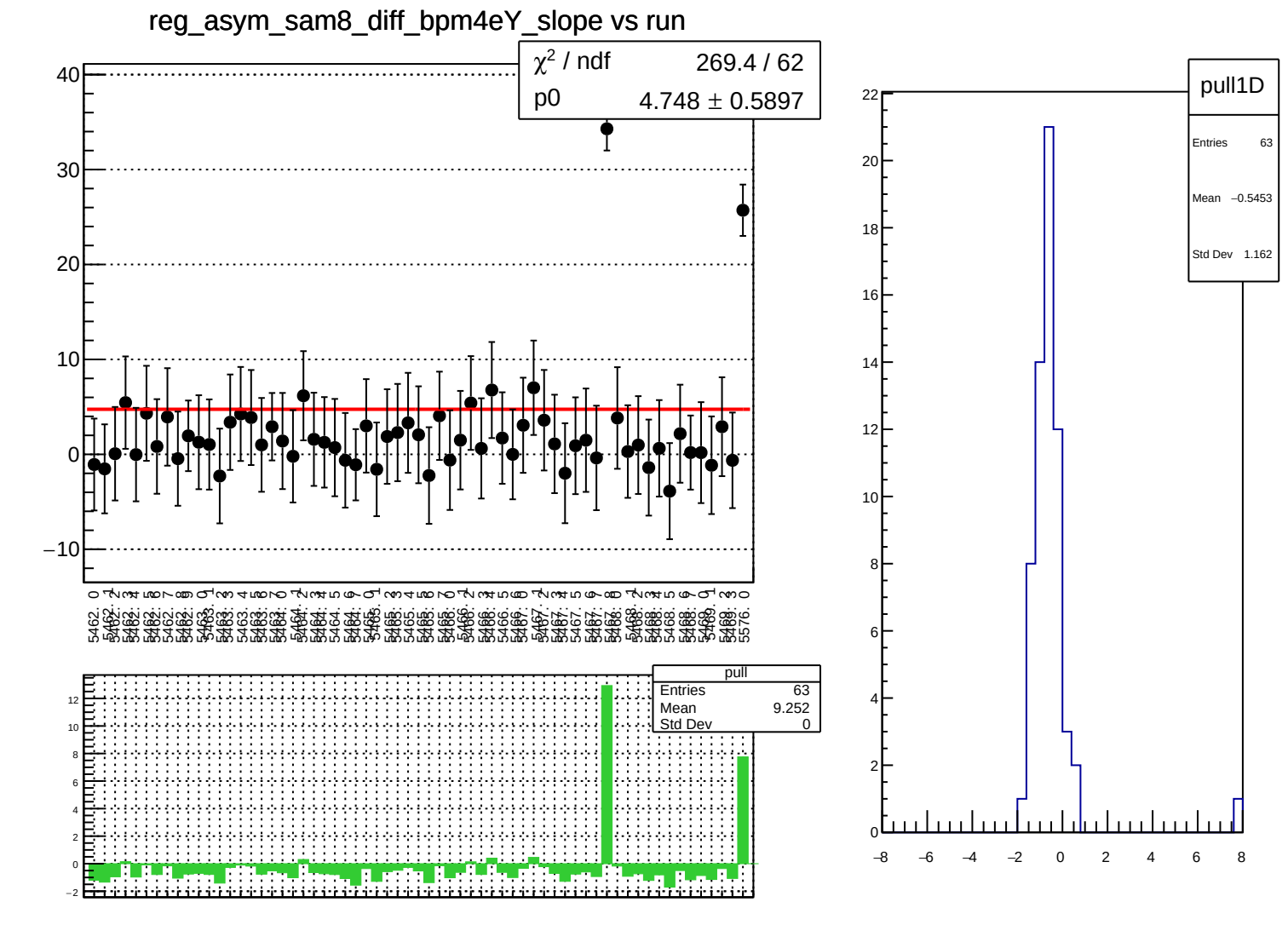

pull1D
Entries 63
Mean 0.0002187
Std Dev 0.5904

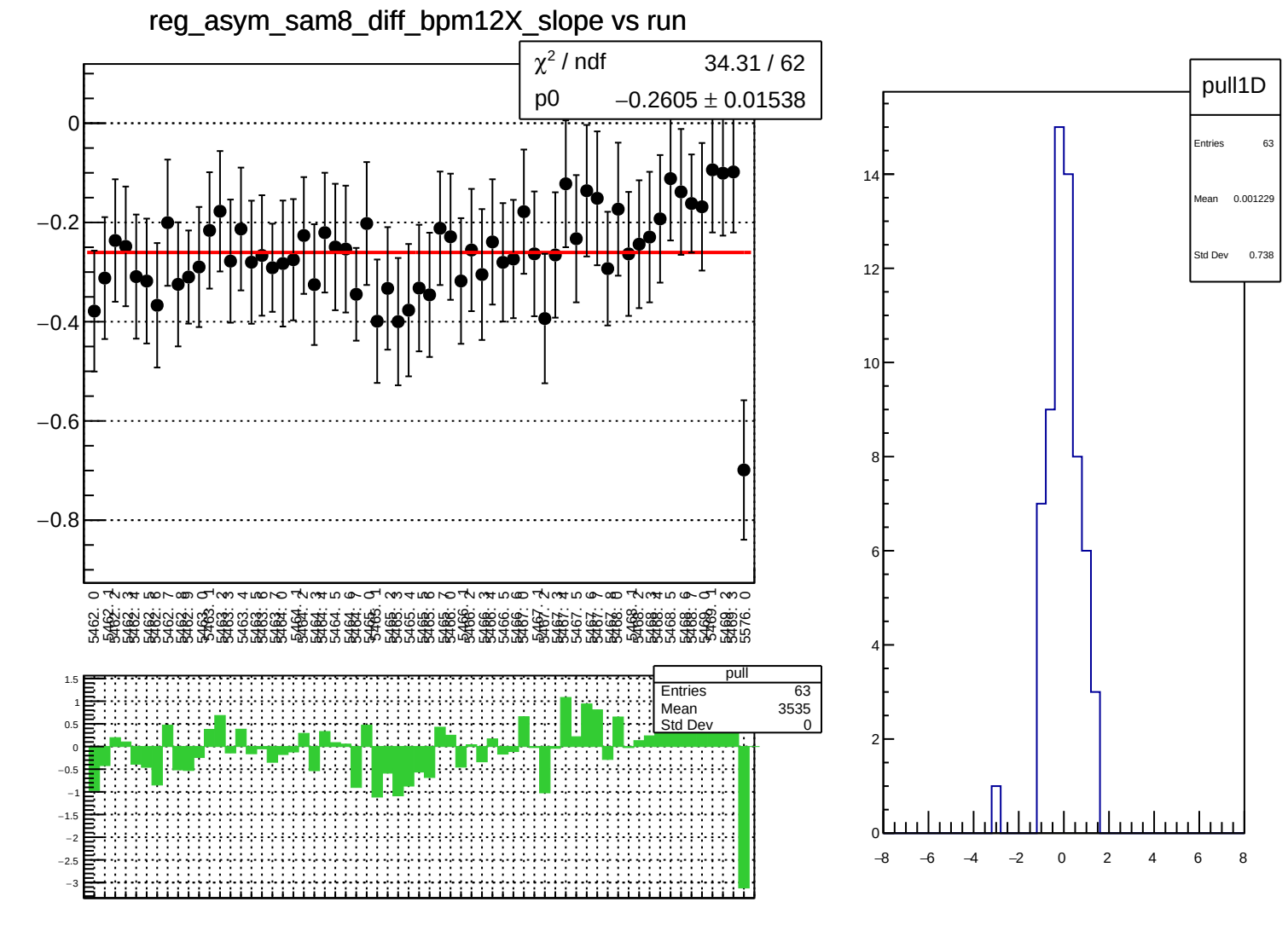

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 293.3 / 62
p0 −15.24 ± 0.4946
pull
Entries 63
Mean 13.19
Std Dev 0

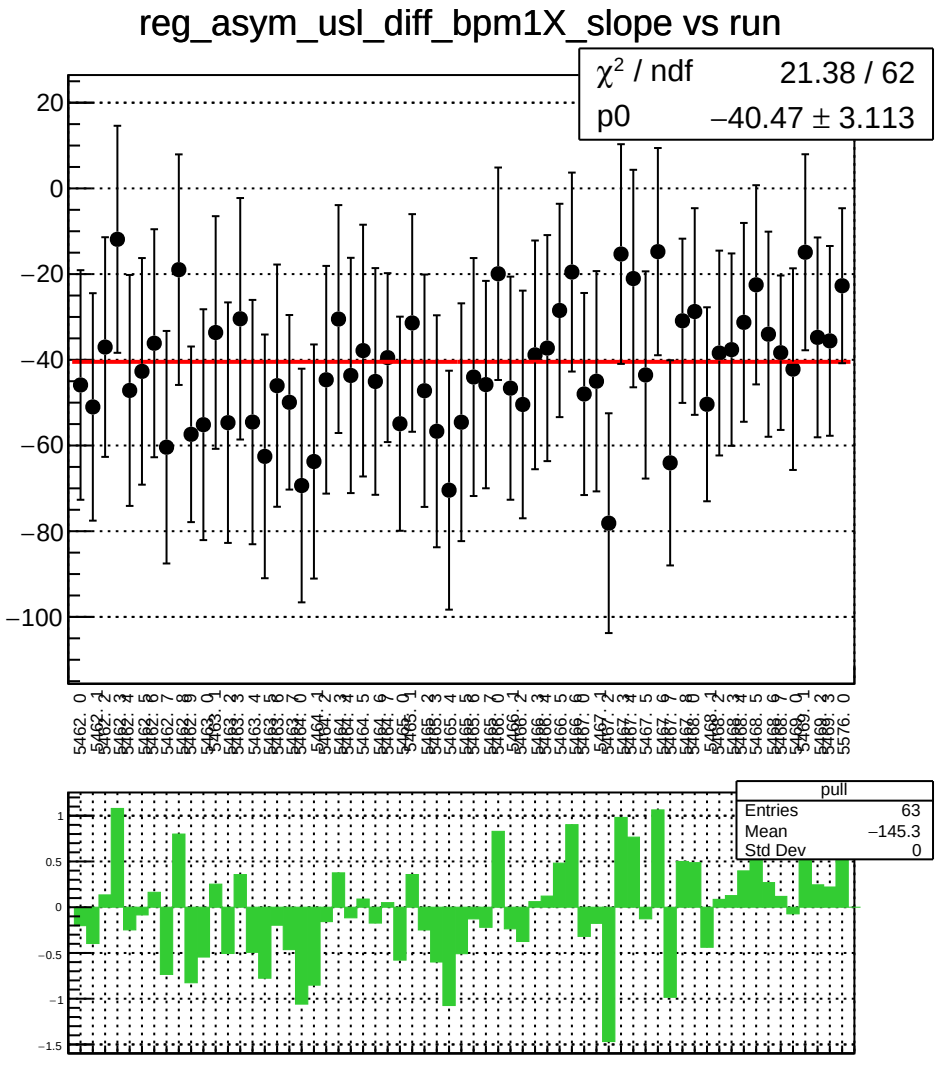

pull1D
Entries 63
Mean 0.7557
Std Dev 0.501

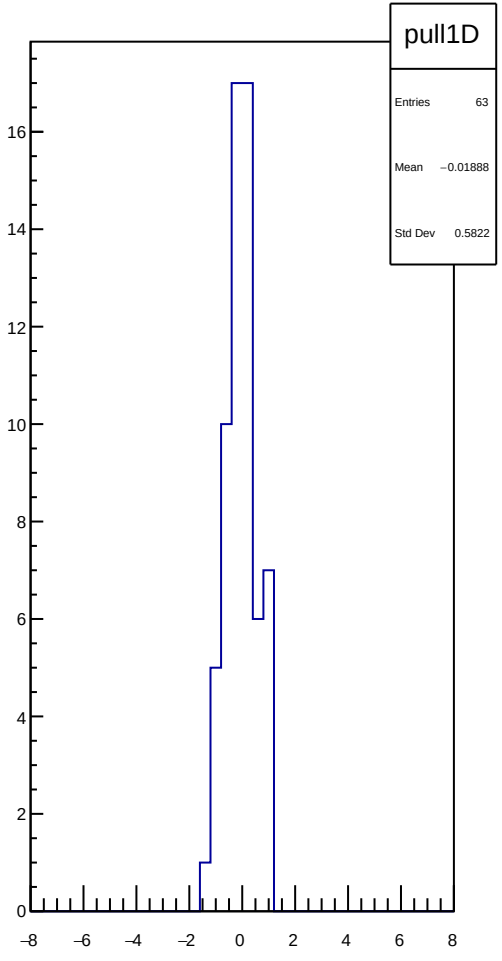

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 29.46 / 62
p0 −23.34 ± 0.3681
pull
Entries 63
Mean 546.2
Std Dev 0

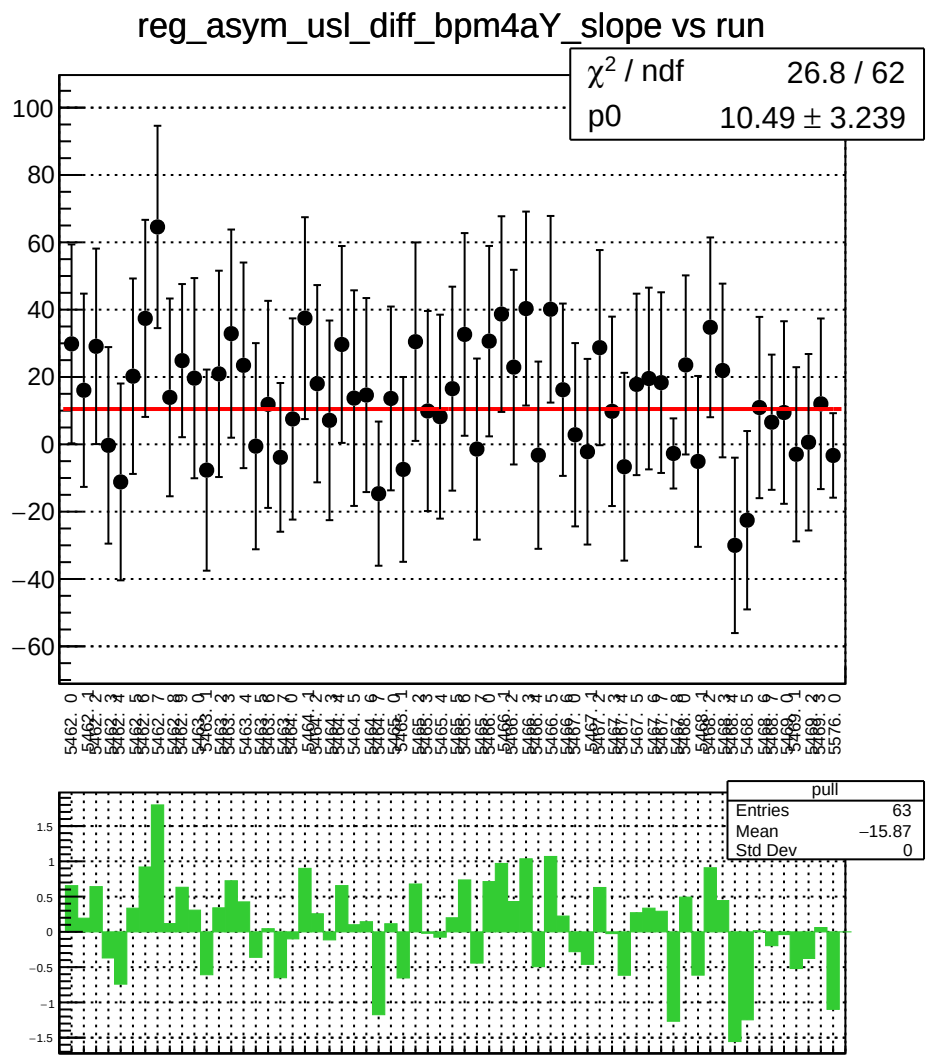

pull1D
Entries 63
Mean −0.01175
Std Dev 0.6838

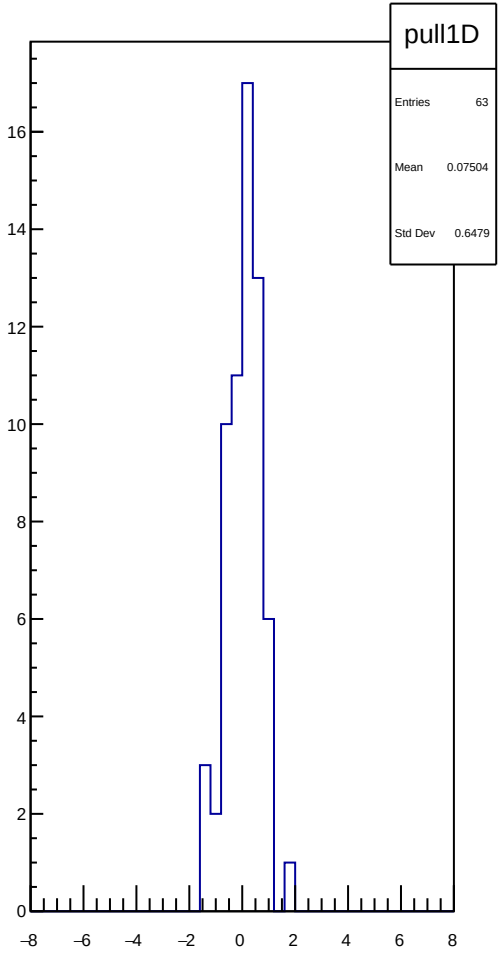

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 269.4 / 62
p0 4.748 ± 0.5897
pull
Entries 63
Mean 9.252
Std Dev 0
pull1D
Entries 63
Mean −0.5453
Std Dev 1.162

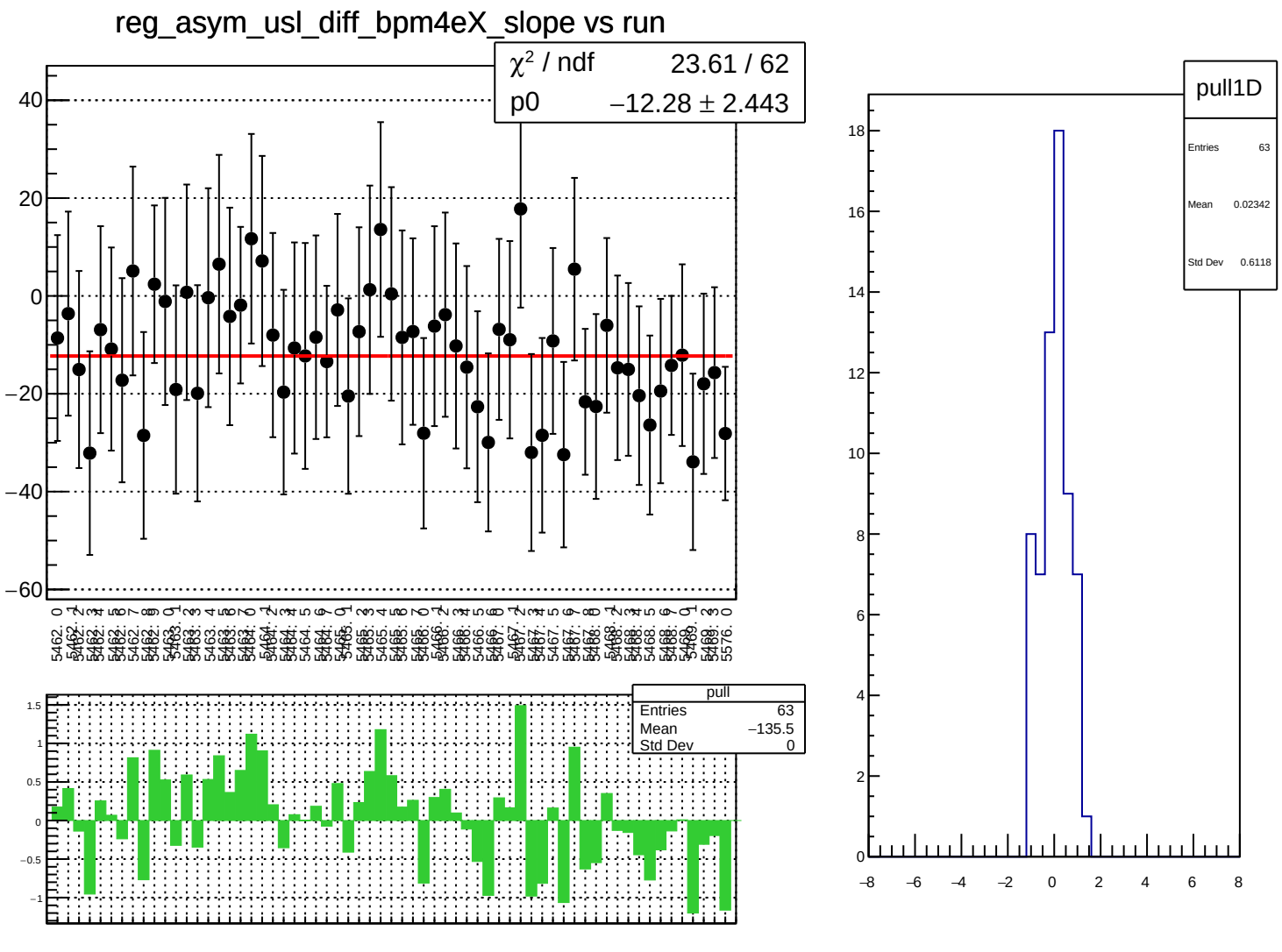

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 34.31 / 62
p0 −0.2605 ± 0.01538
pull
Entries 63
Mean 3535
Std Dev 0
pull1D
Entries 63
Mean 0.001229
Std Dev 0.738

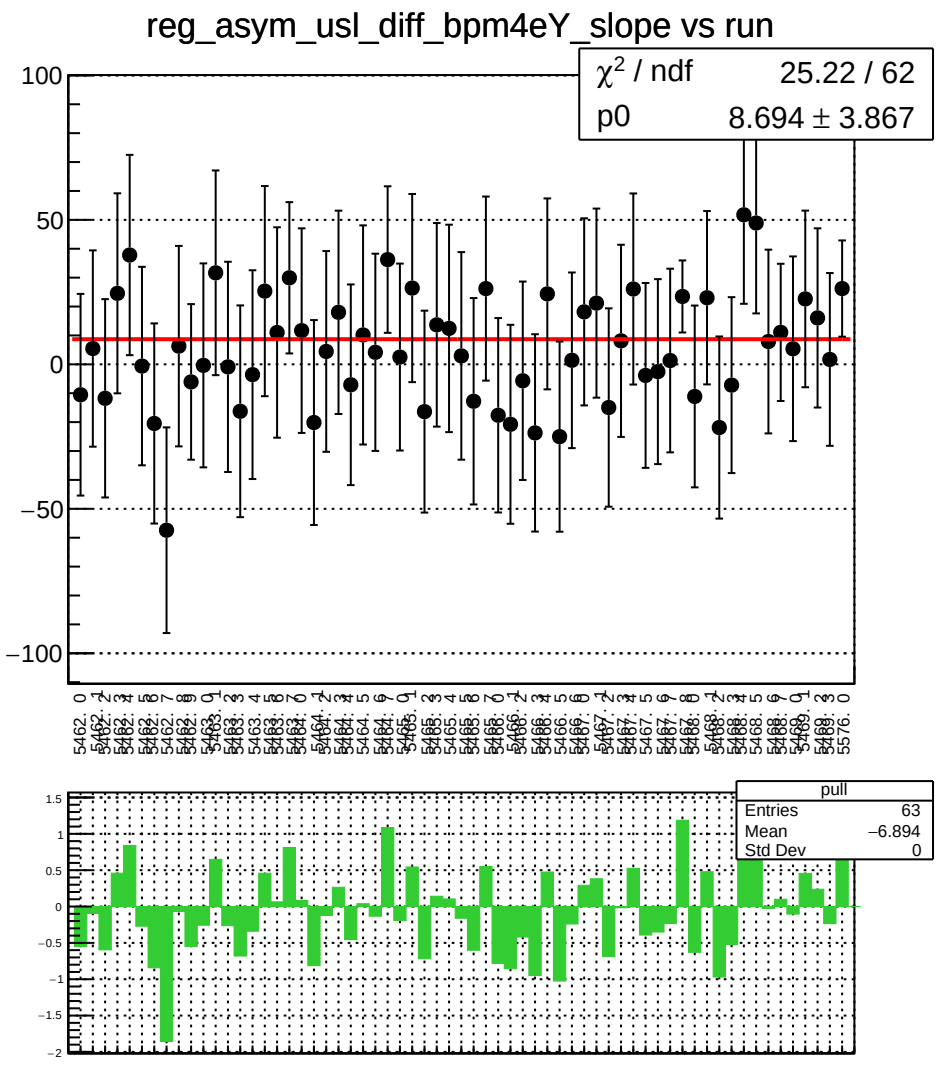

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 21.38 / 62
p0 −40.47 ± 3.113
pull
Entries 63
Mean −145.3
Std Dev 0

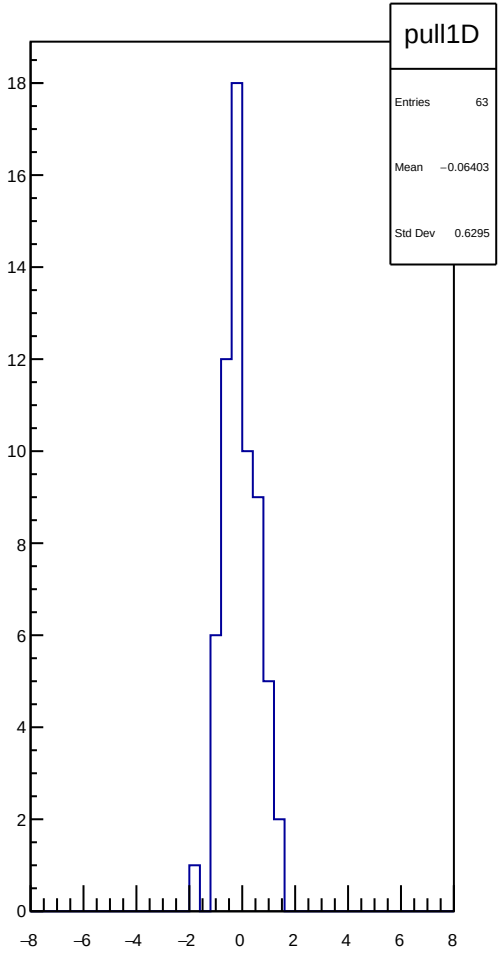

pull1D
Entries 63
Mean −0.01888
Std Dev 0.5822

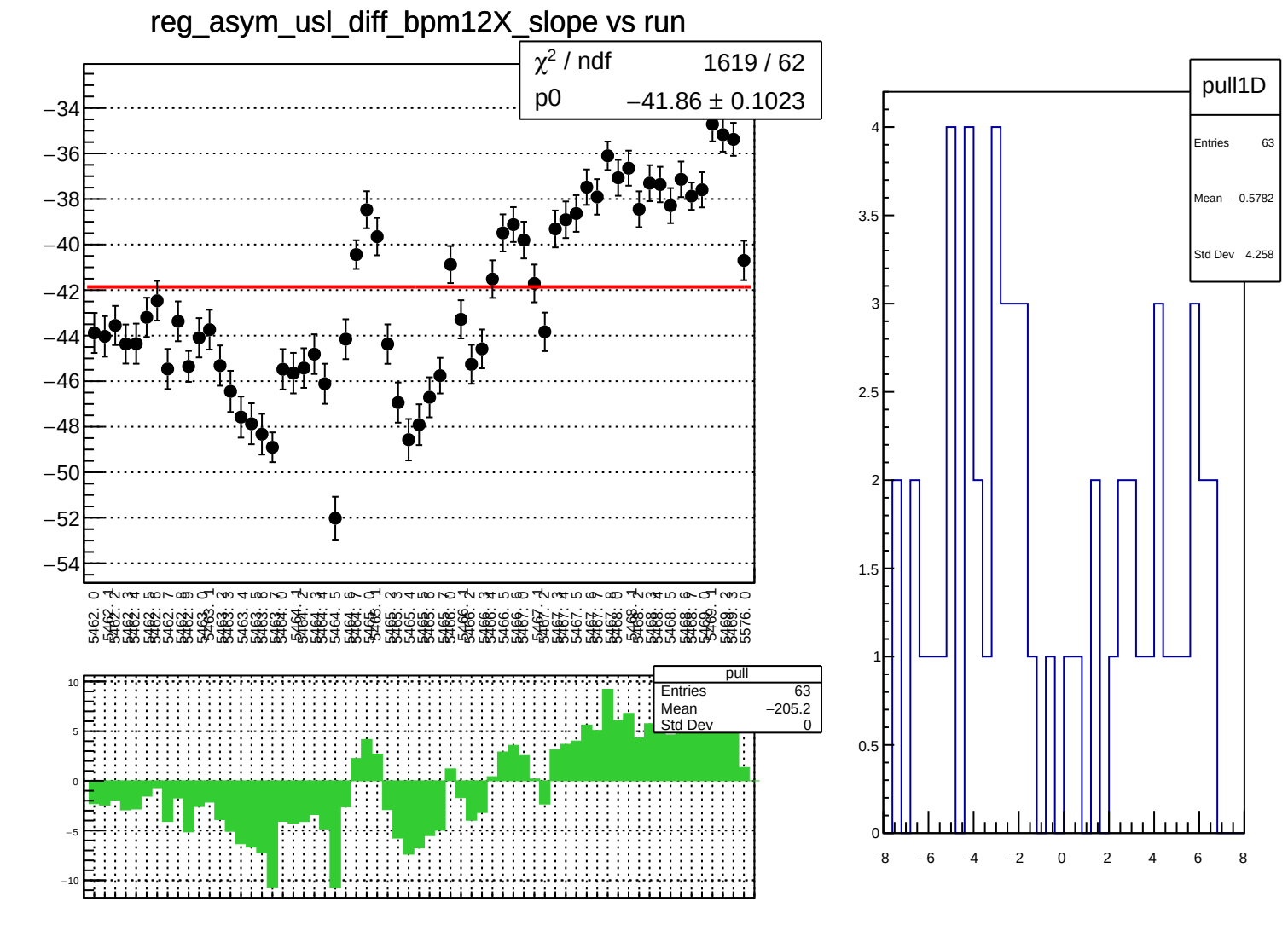

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 26.8 / 62
p0 10.49 ± 3.239
pull
Entries 63
Mean −15.87
Std Dev 0

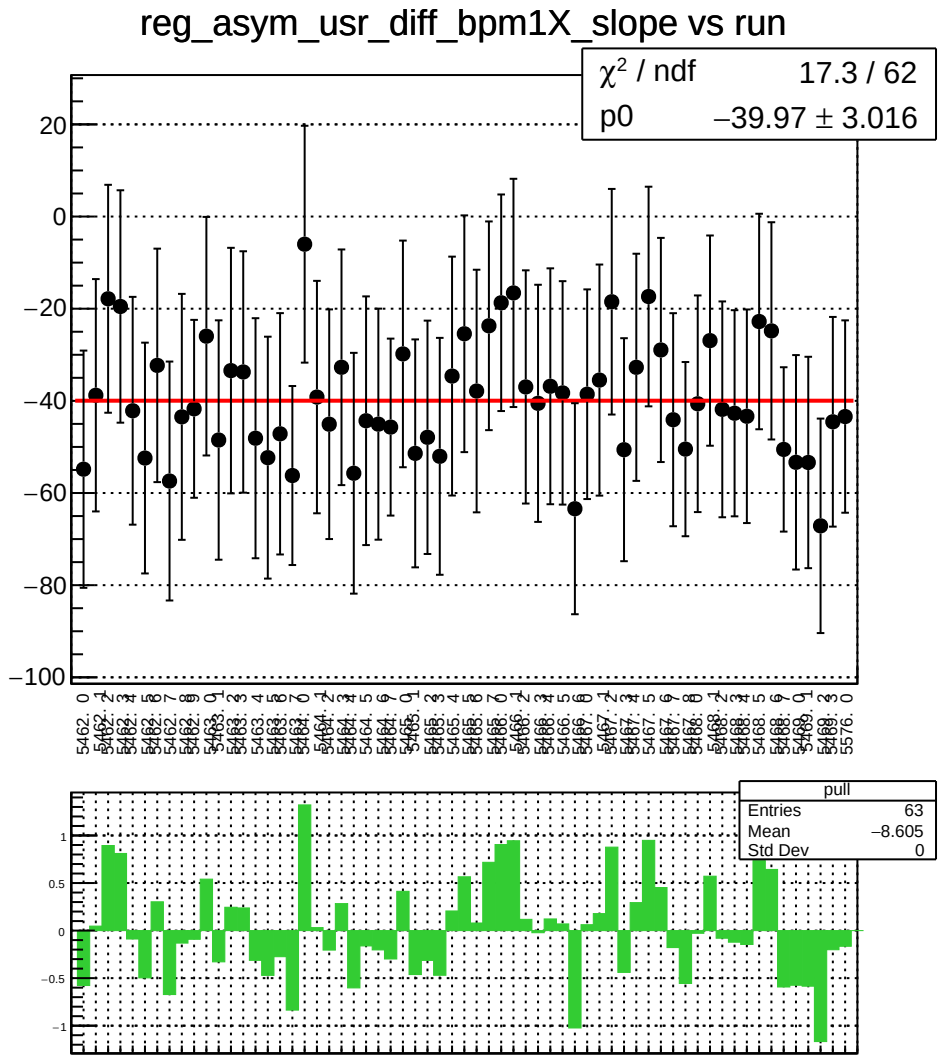

pull1D
Entries 63
Mean 0.07504
Std Dev 0.6479

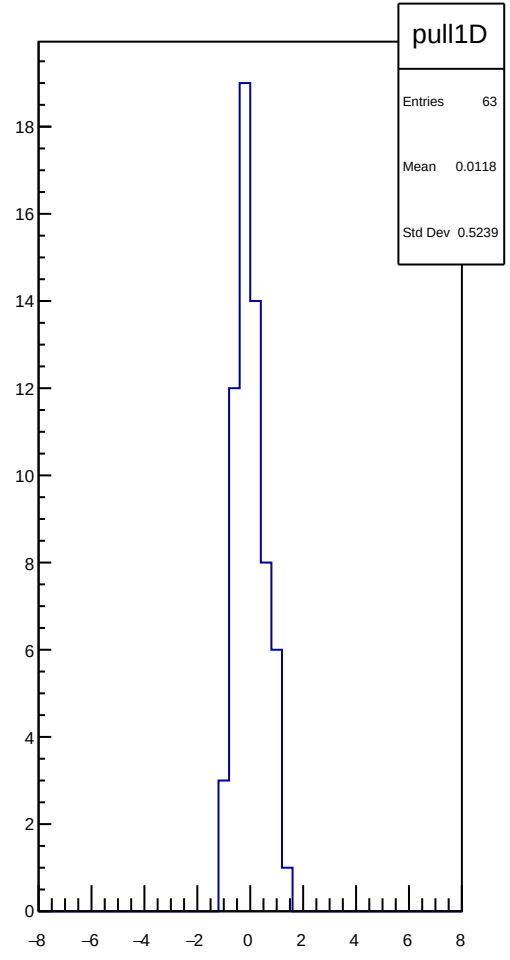

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 23.61 / 62
p0 −12.28 ± 2.443
pull
Entries 63
Mean −135.5
Std Dev 0
pull1D
Entries 63
Mean 0.02342
Std Dev 0.6118

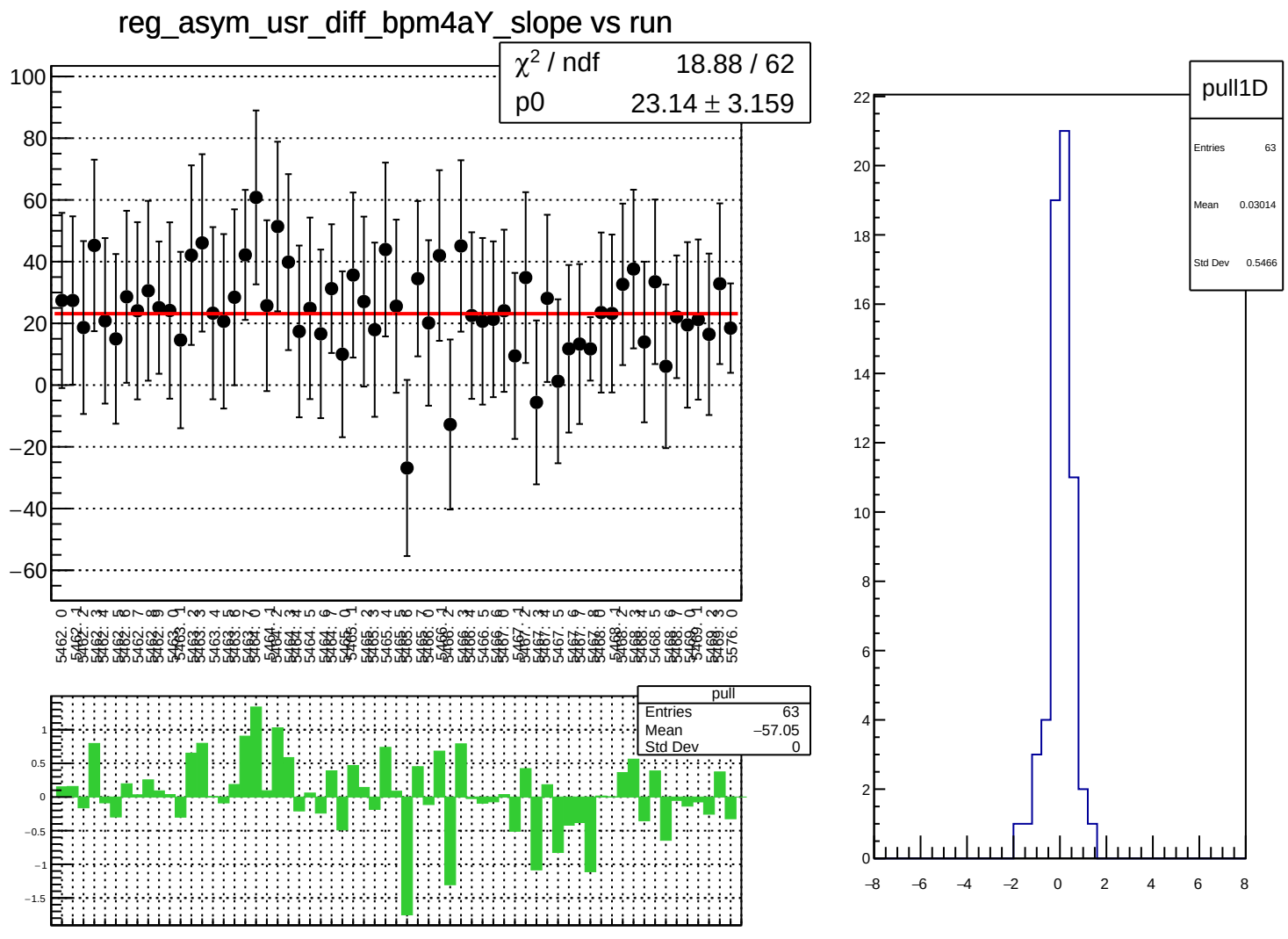

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.22 / 62
p0 8.694 ± 3.867
pull
Entries 63
Mean −6.894
Std Dev 0

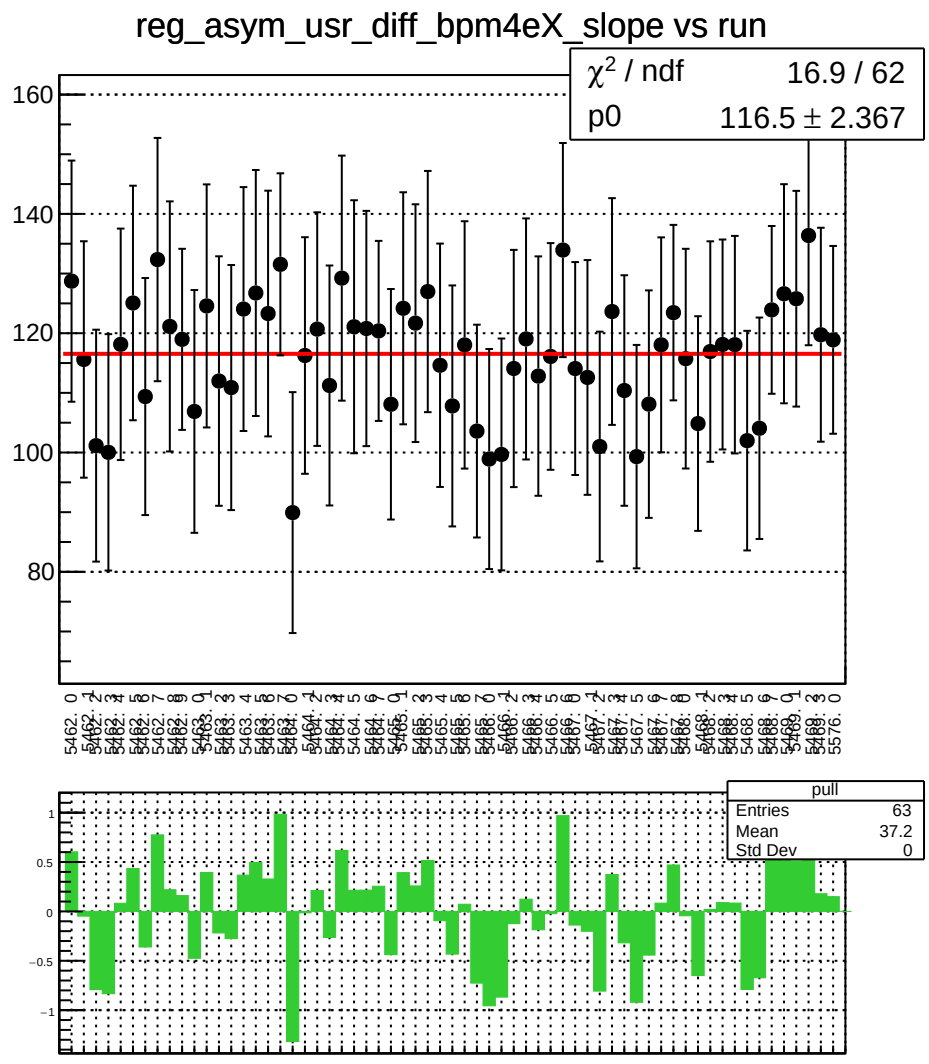

pull1D
Entries 63
Mean −0.06403
Std Dev 0.6295

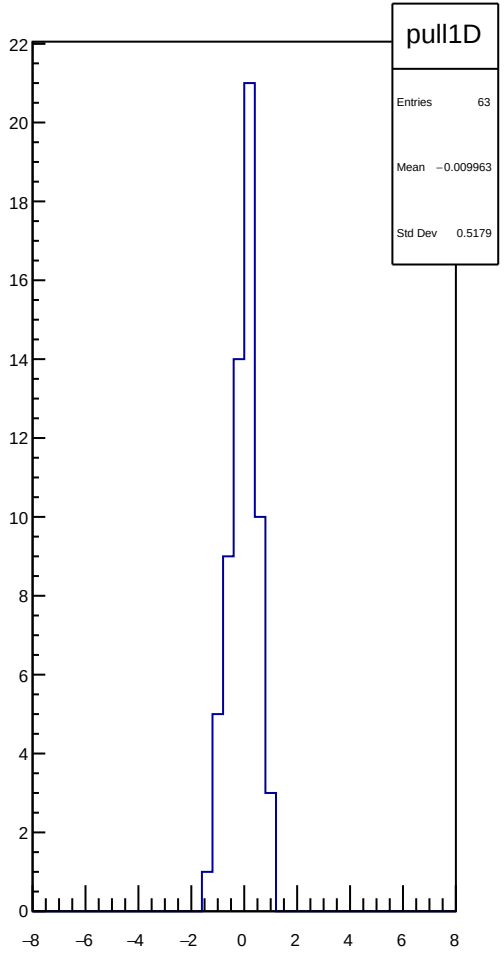

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1619 / 62
p0 −41.86 ± 0.1023
pull
Entries 63
Mean −205.2
Std Dev 0
pull1D
Entries 63
Mean −0.5782
Std Dev 4.258

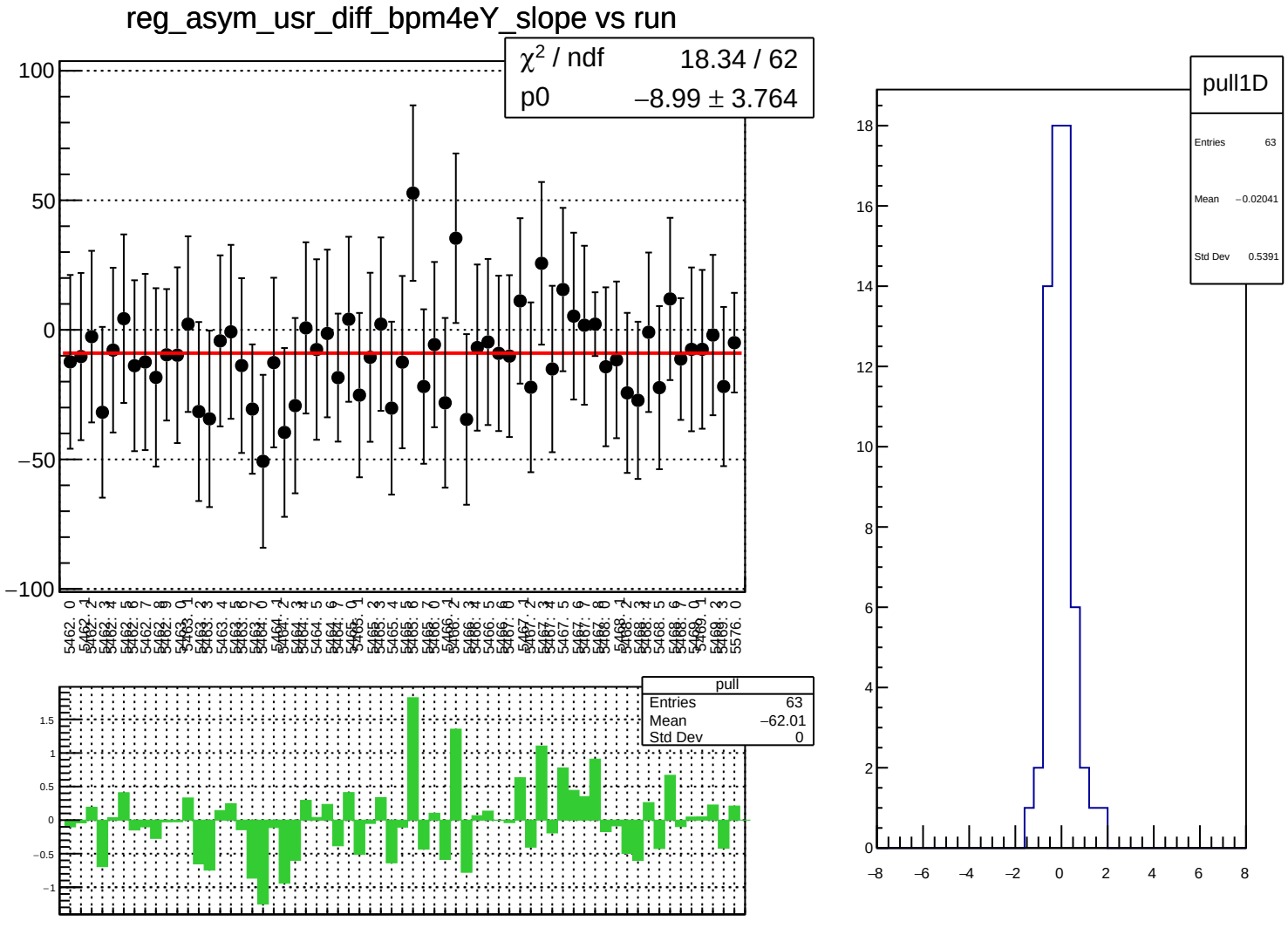

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 17.3 / 62
p0 −39.97 ± 3.016
pull
Entries 63
Mean −8.605
Std Dev 0

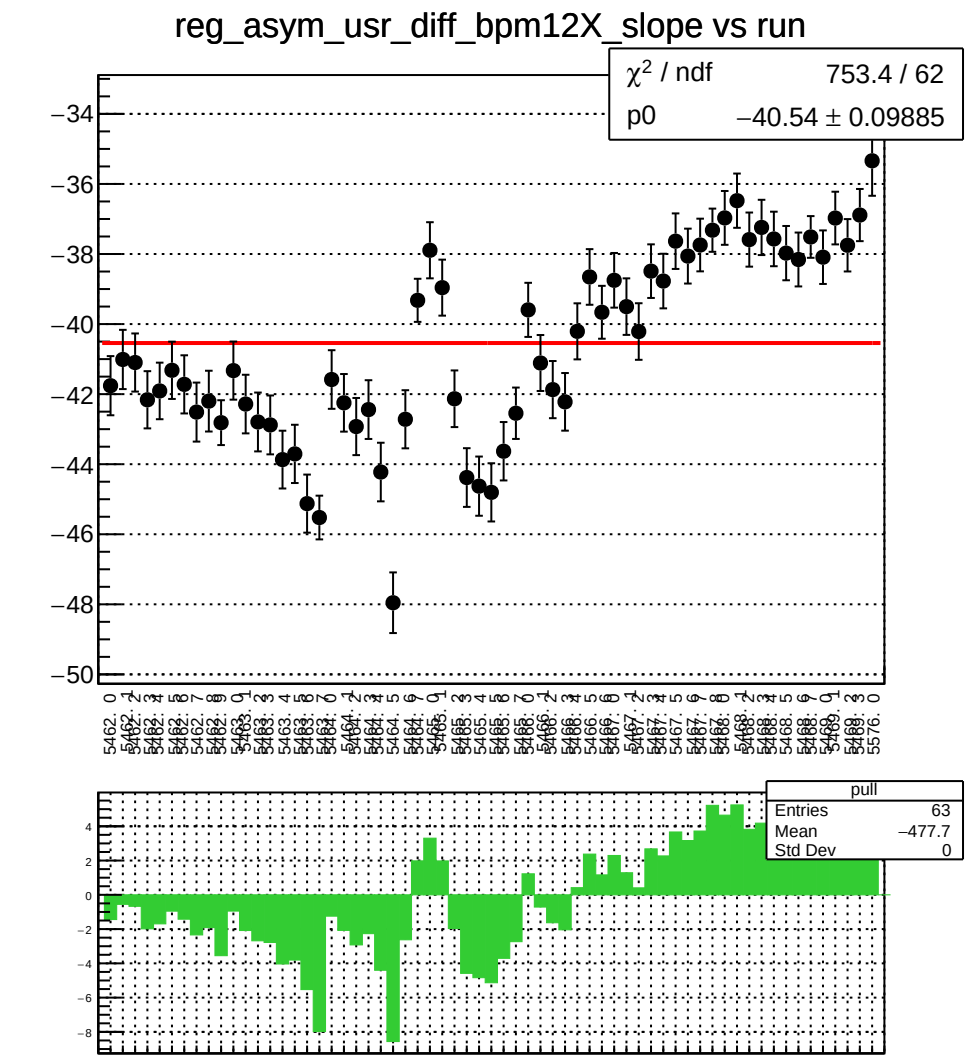

pull1D
Entries 63
Mean 0.0118
Std Dev 0.5239

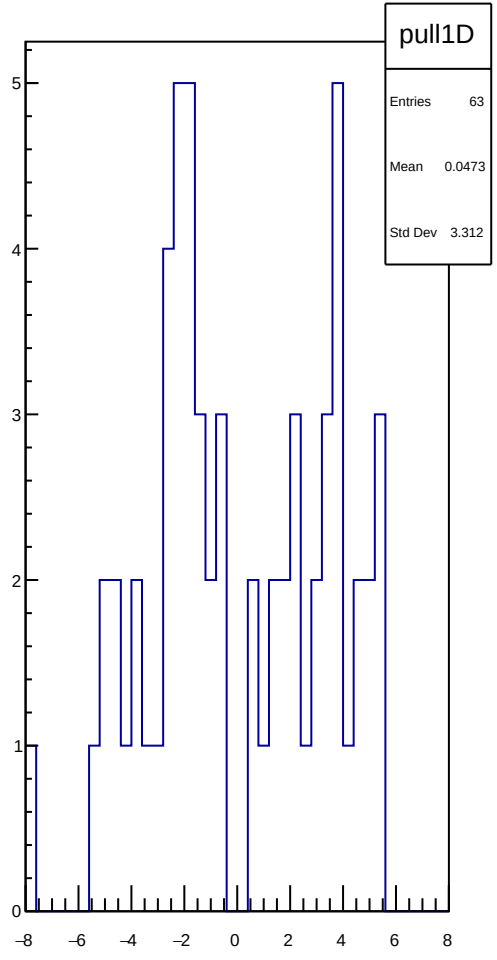

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 18.88 / 62
p0 23.14 ± 3.159
pull
Entries 63
Mean −57.05
Std Dev 0
pull1D
Entries 63
Mean 0.03014
Std Dev 0.5466

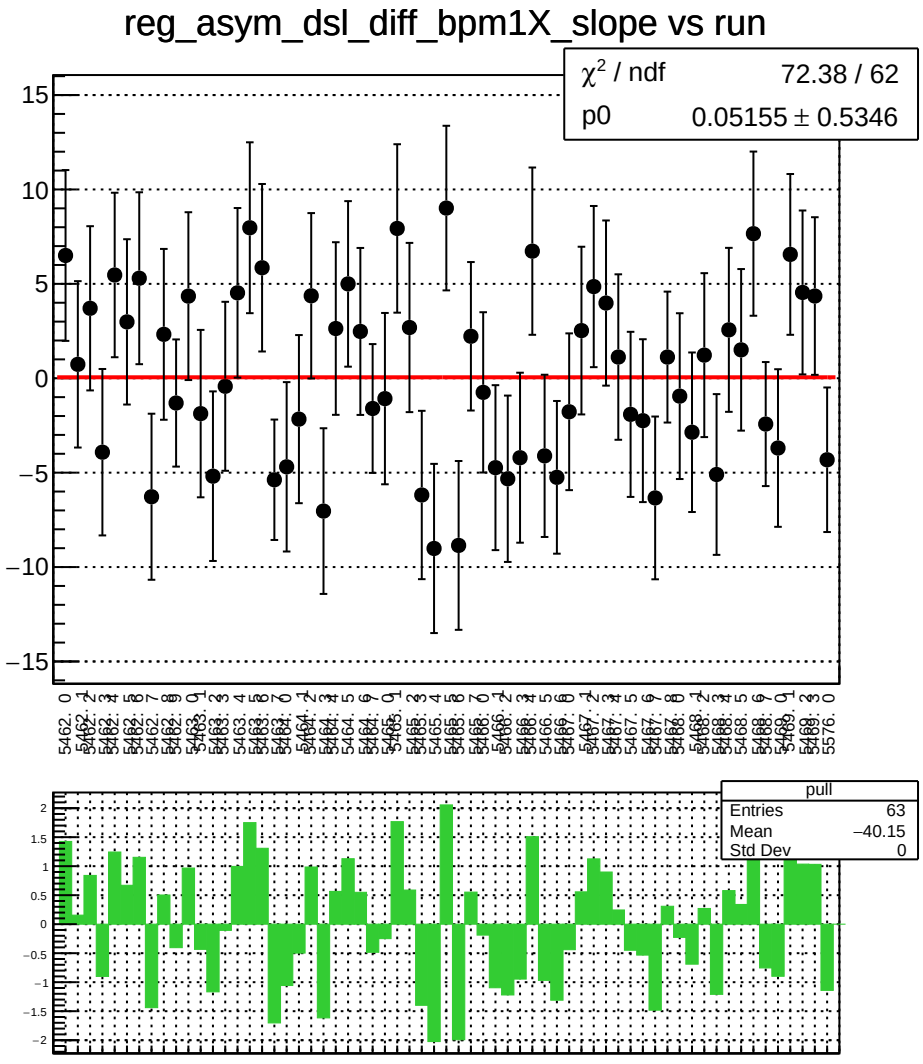

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 16.9 / 62
p0 116.5 ± 2.367
160
140
120
100
80
pull
Entries 63
Mean 37.2
Std Dev 0
1
0.5
0
−0.5
−1

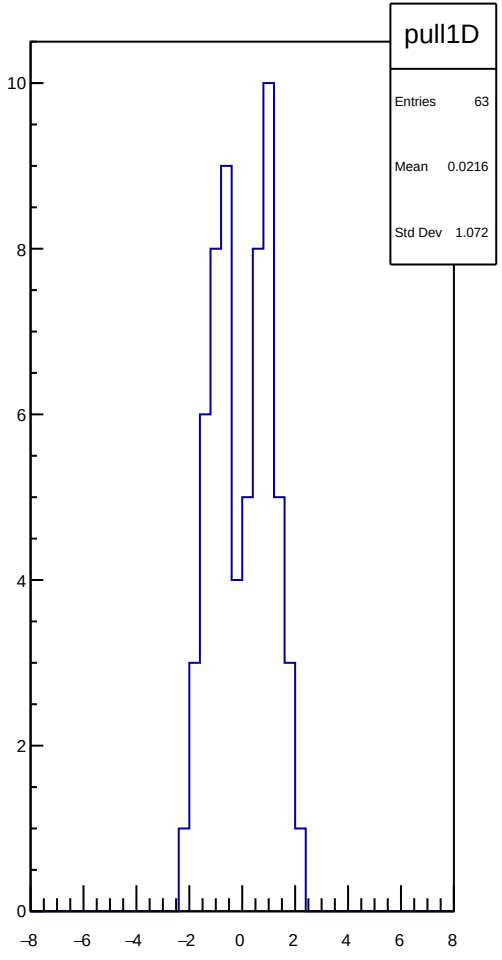

pull1D
Entries 63
Mean −0.009963
Std Dev 0.5179
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

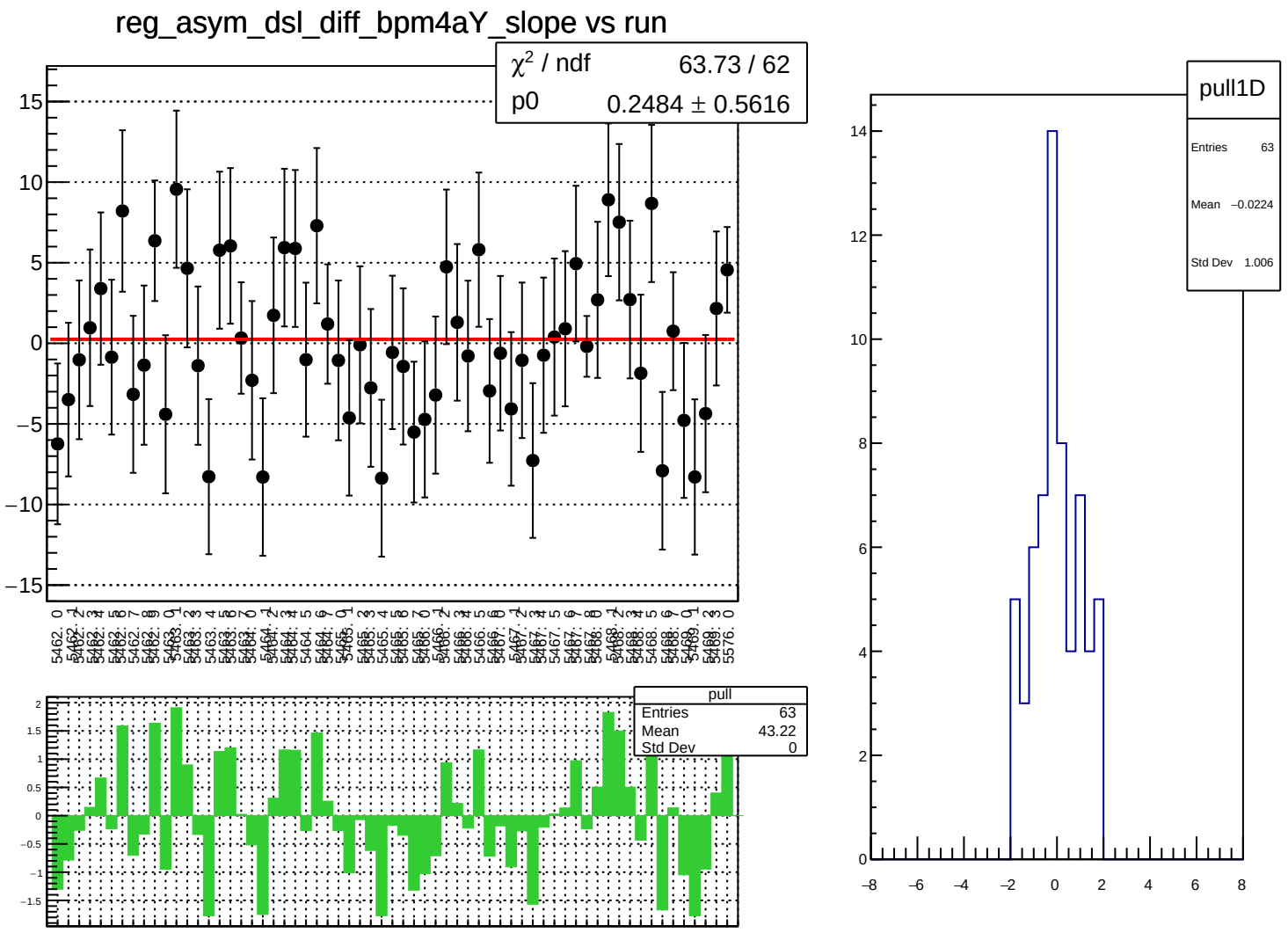

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 18.34 / 62
p0 −8.99 ± 3.764
pull
Entries 63
Mean −62.01
Std Dev 0
pull1D
Entries 63
Mean −0.02041
Std Dev 0.5391

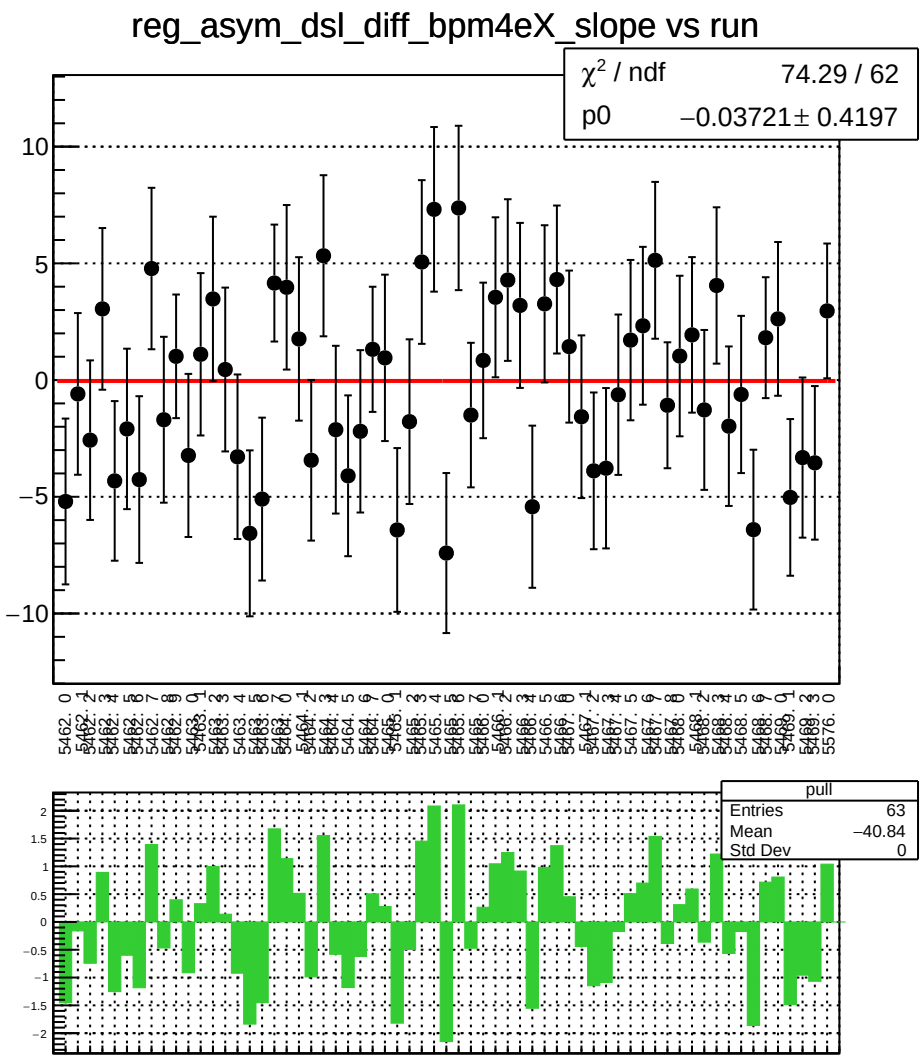

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 753.4 / 62
p0 −40.54 ± 0.09885
pull
Entries 63
Mean −477.7
Std Dev 0

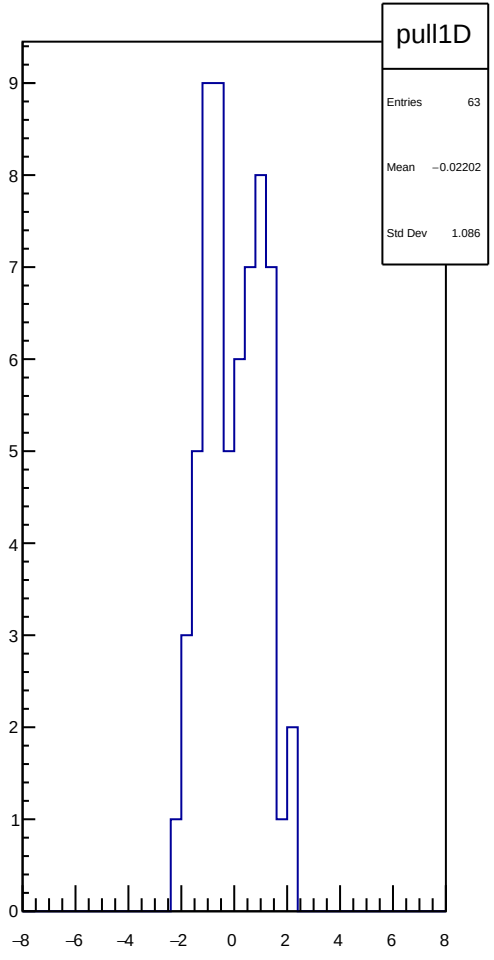

pull1D
Entries 63
Mean 0.0473
Std Dev 3.312

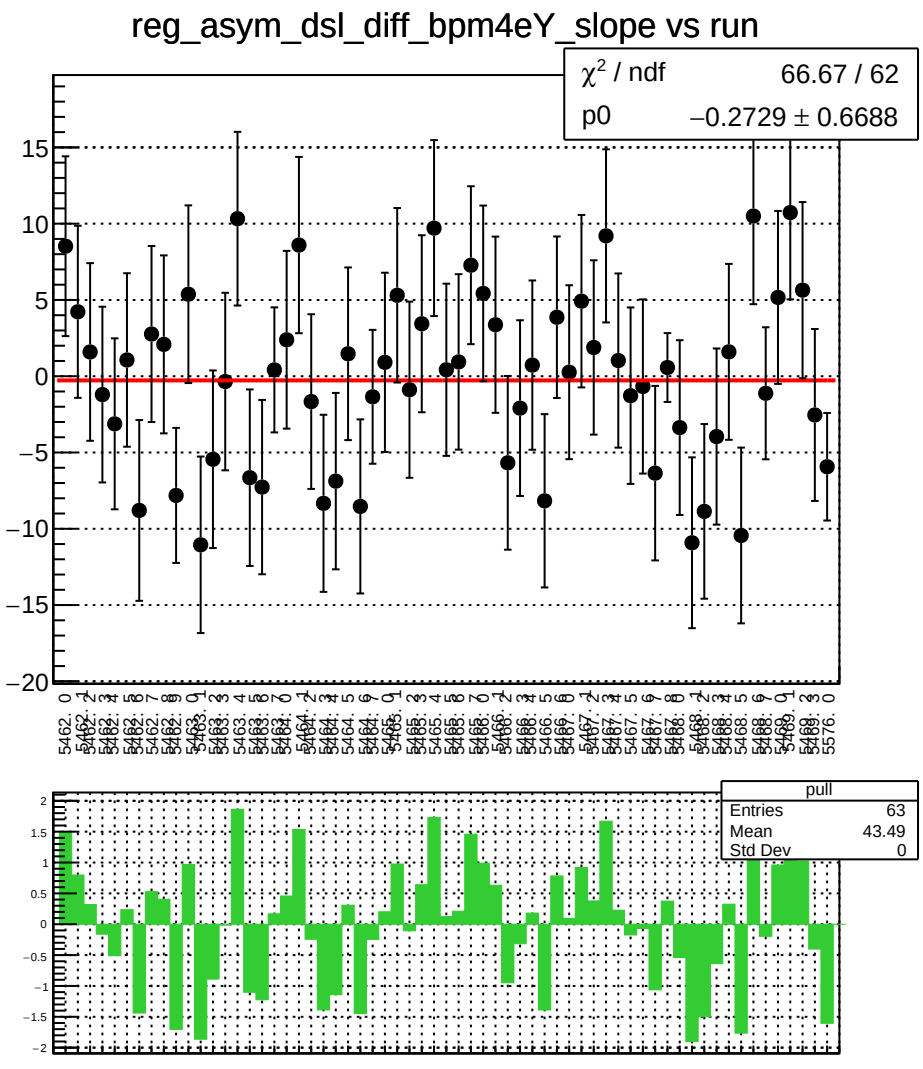

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 72.38 / 62
p0 0.05155 ± 0.5346
pull
Entries 63
Mean −40.15
Std Dev 0

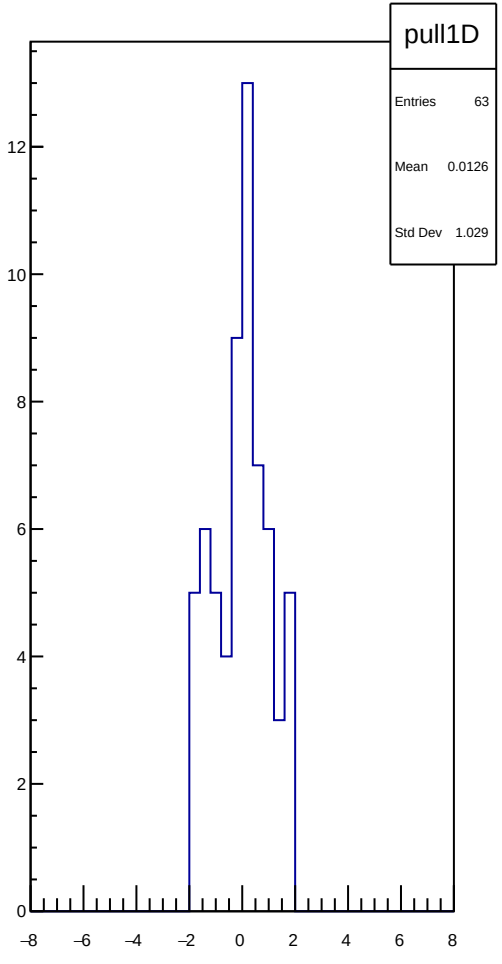

pull1D
Entries 63
Mean 0.0216
Std Dev 1.072

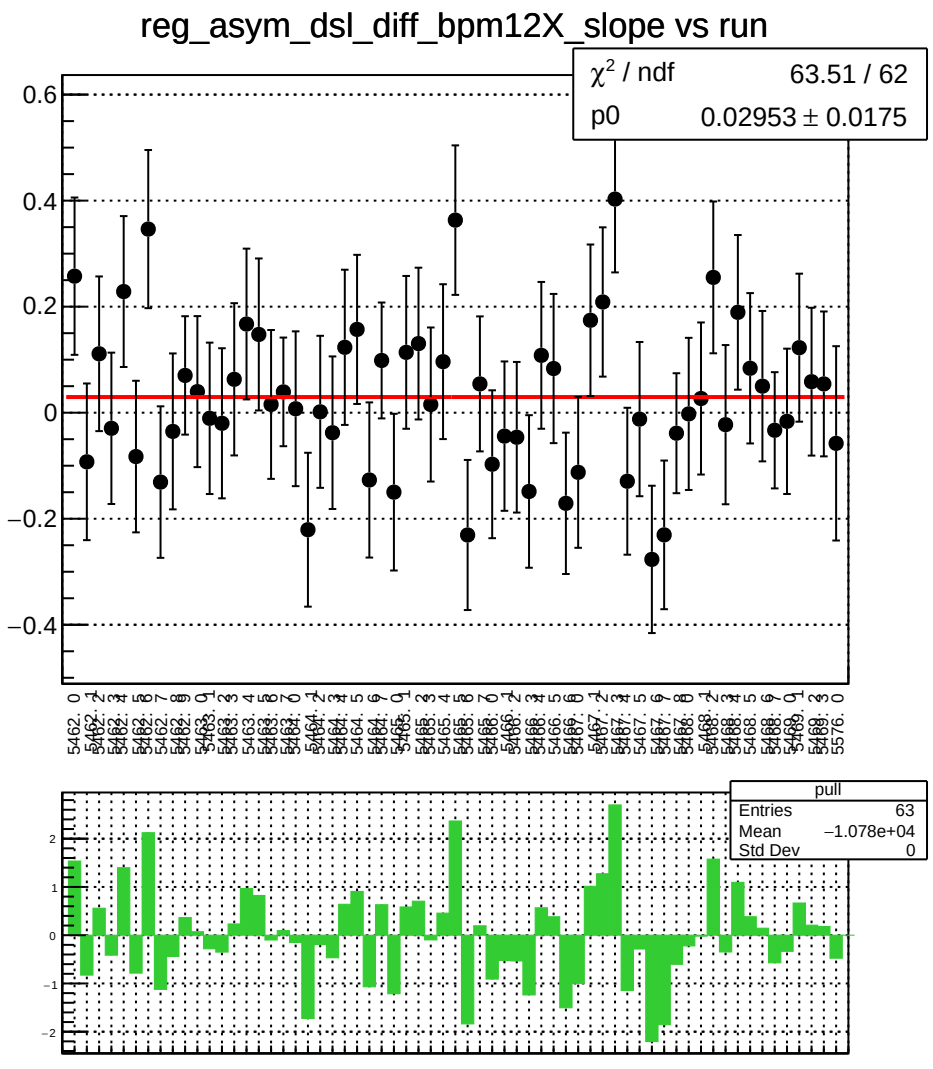

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 63.73 / 62
p0 0.2484 ± 0.5616
pull
Entries 63
Mean 43.22
Std Dev 0
pull1D
Entries 63
Mean −0.0224
Std Dev 1.006

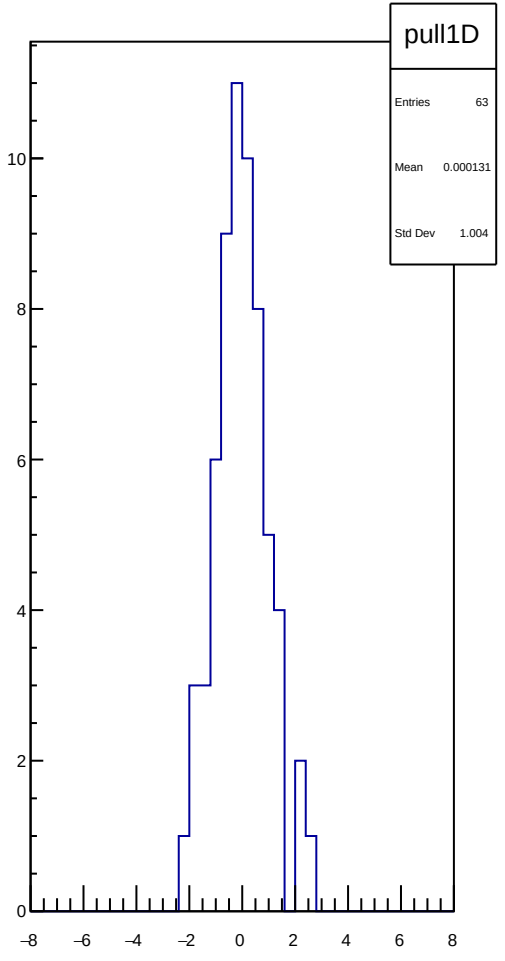

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 74.29 / 62
p0 −0.03721 ± 0.4197
pull
Entries 63
Mean −40.84
Std Dev 0

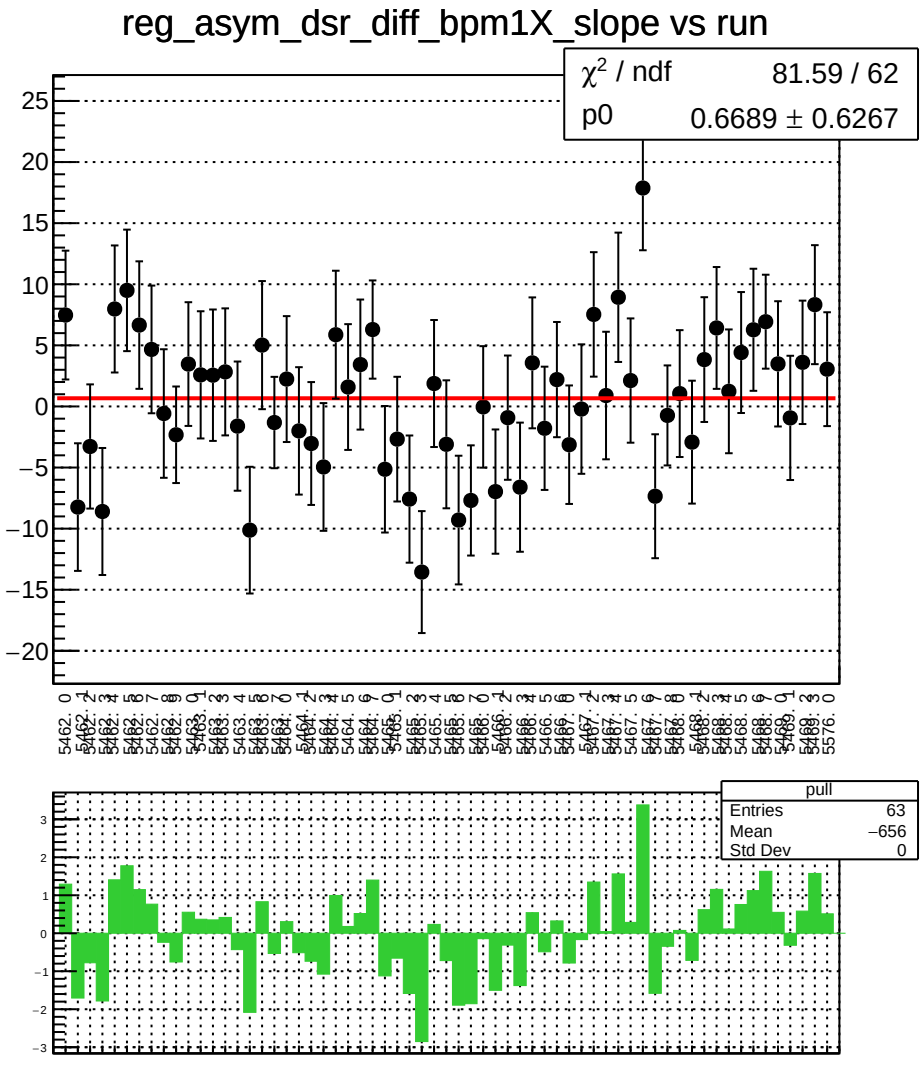

pull1D
Entries 63
Mean −0.02202
Std Dev 1.086

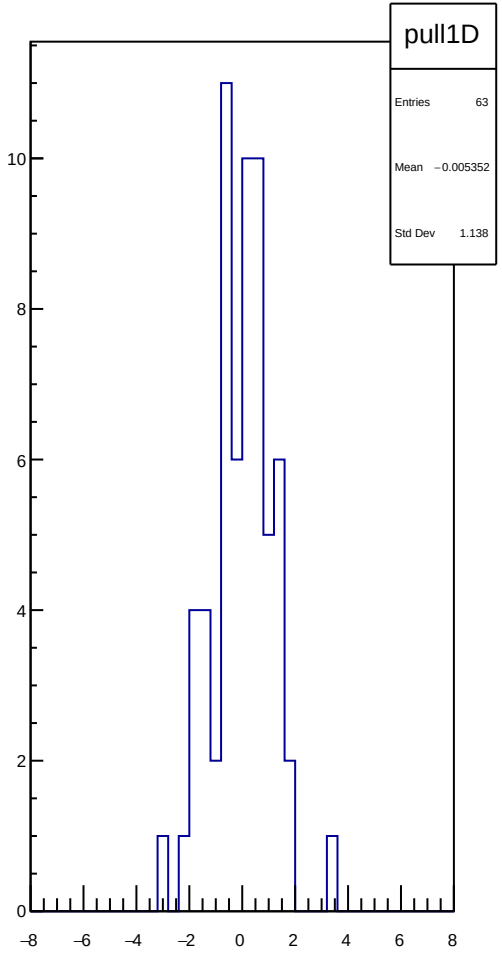

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 66.67 / 62
p0 −0.2729 ± 0.6688
pull
Entries 63
Mean 43.49
Std Dev 0

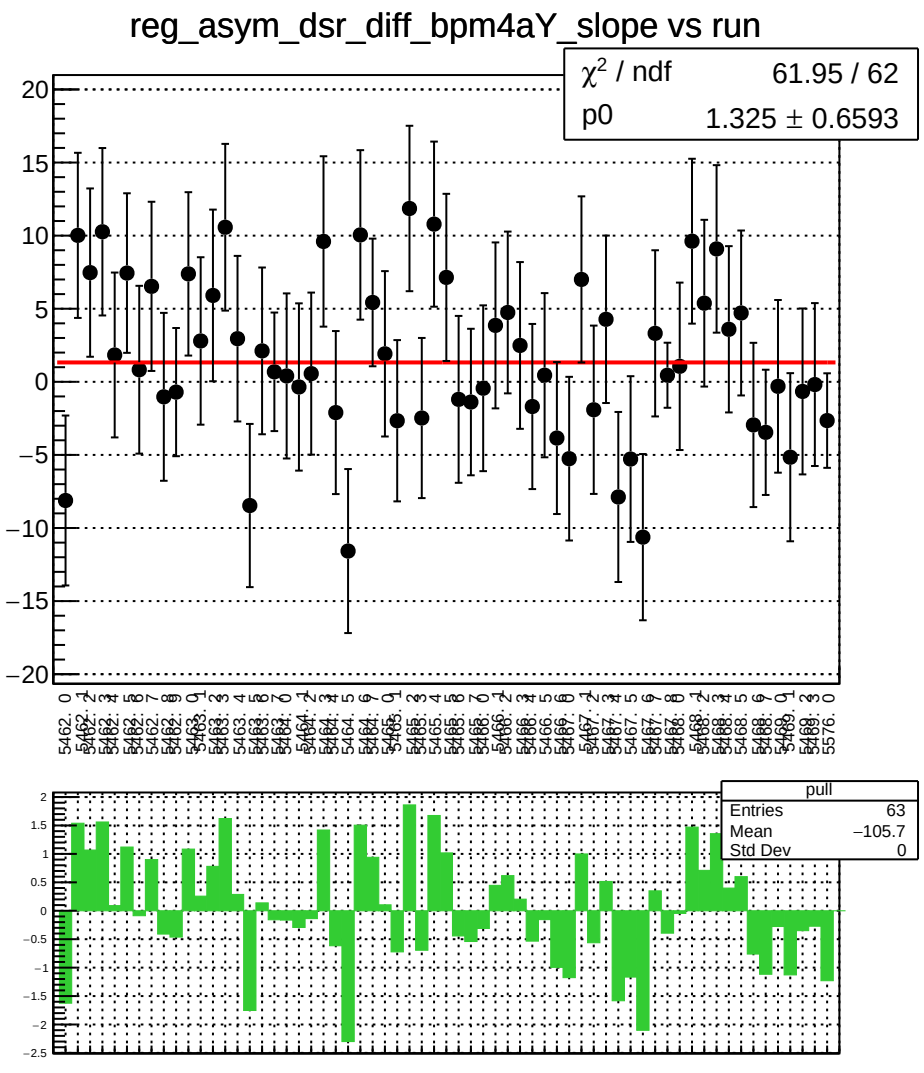

pull1D
Entries 63
Mean 0.0126
Std Dev 1.029

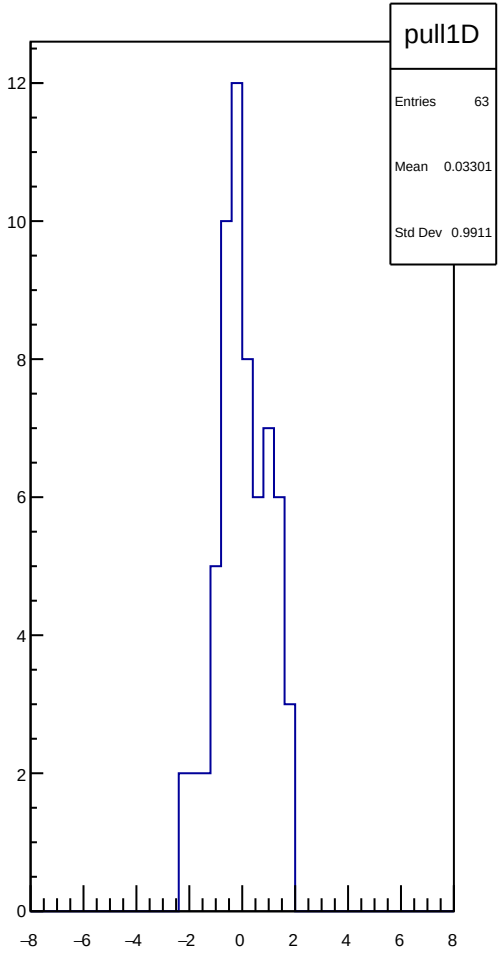

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 63.51 / 62
p0 0.02953 ± 0.0175
pull
Entries 63
Mean −1.078e+04
Std Dev 0

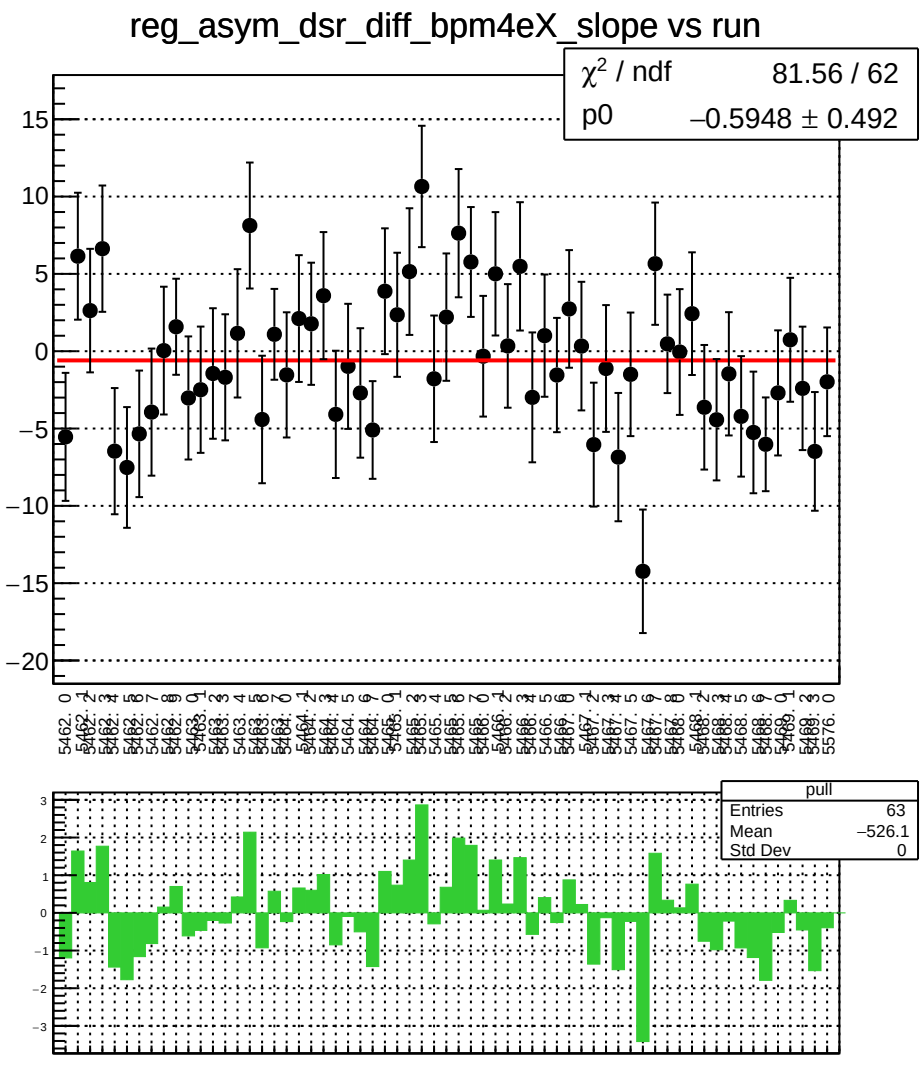

pull1D
Entries 63
Mean 0.000131
Std Dev 1.004

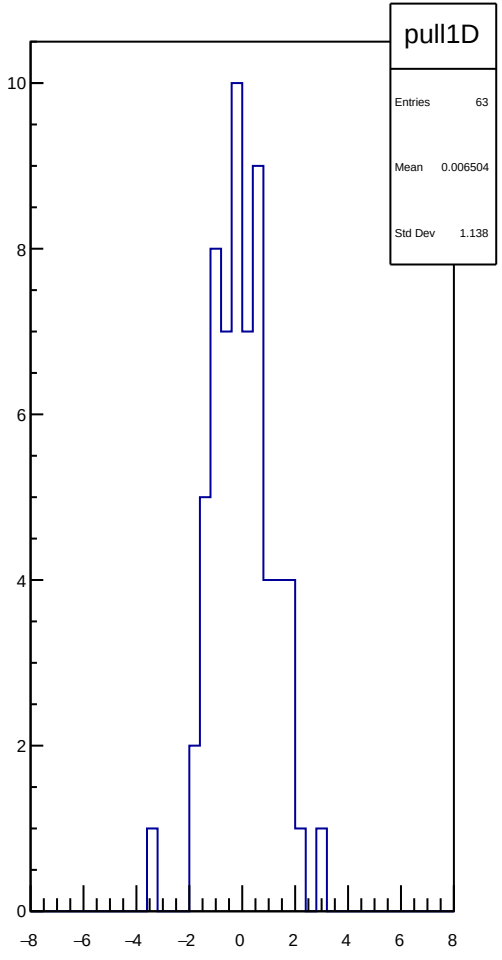

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 81.59 / 62
p0 0.6689 ± 0.6267
pull
Entries 63
Mean −656
Std Dev 0

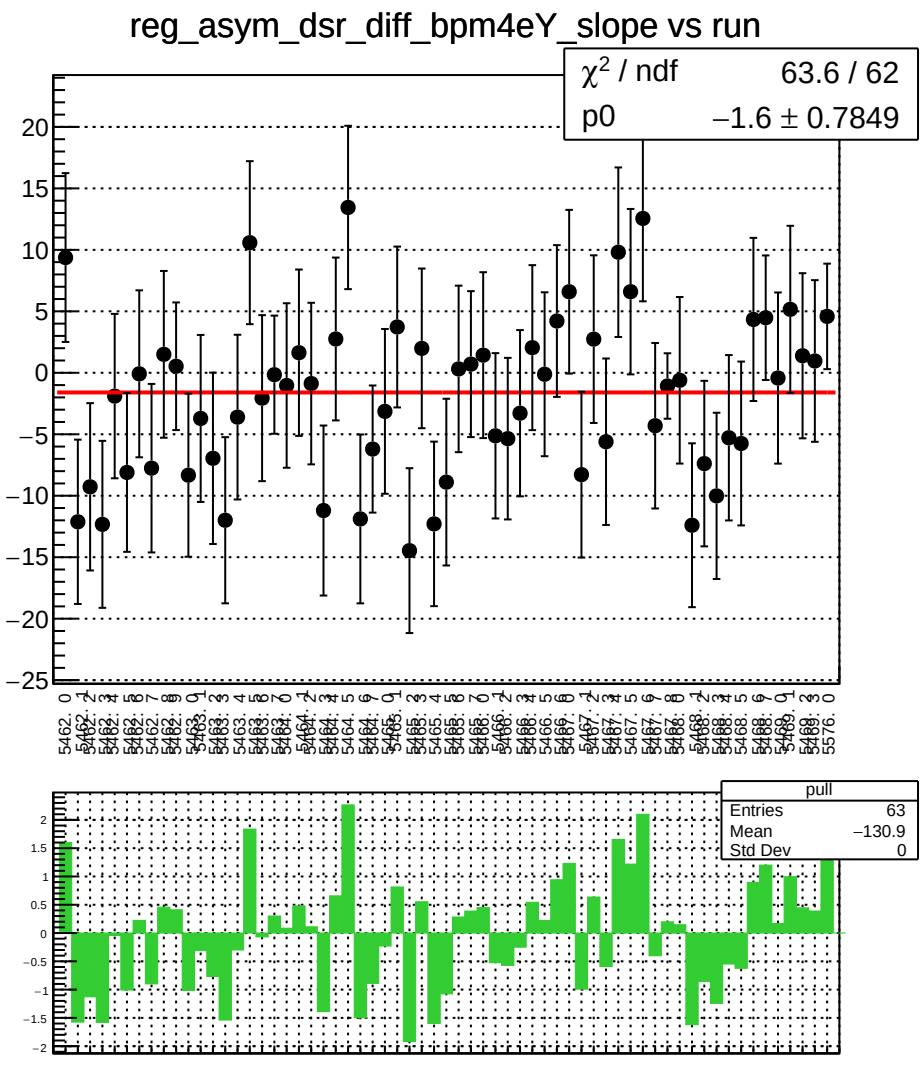

pull1D
Entries 63
Mean −0.005352
Std Dev 1.138

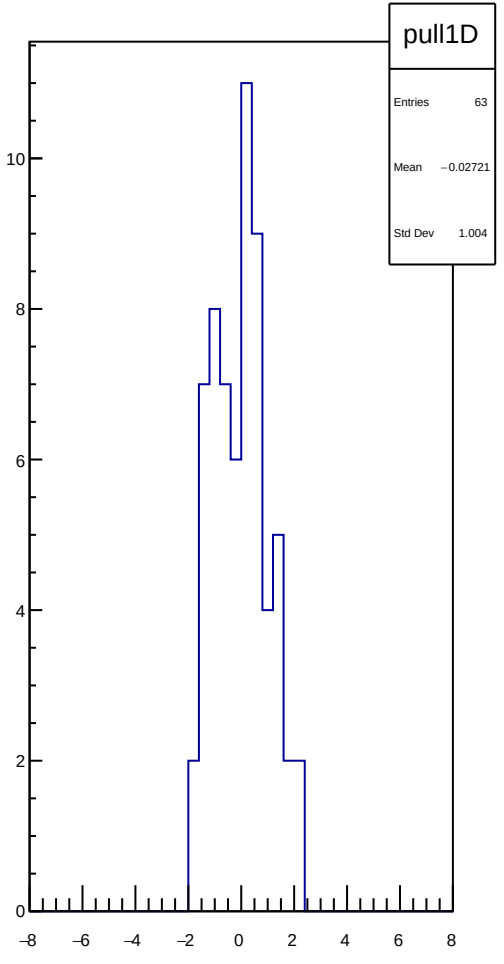

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 61.95 / 62
p0 1.325 ± 0.6593
pull
Entries 63
Mean −105.7
Std Dev 0

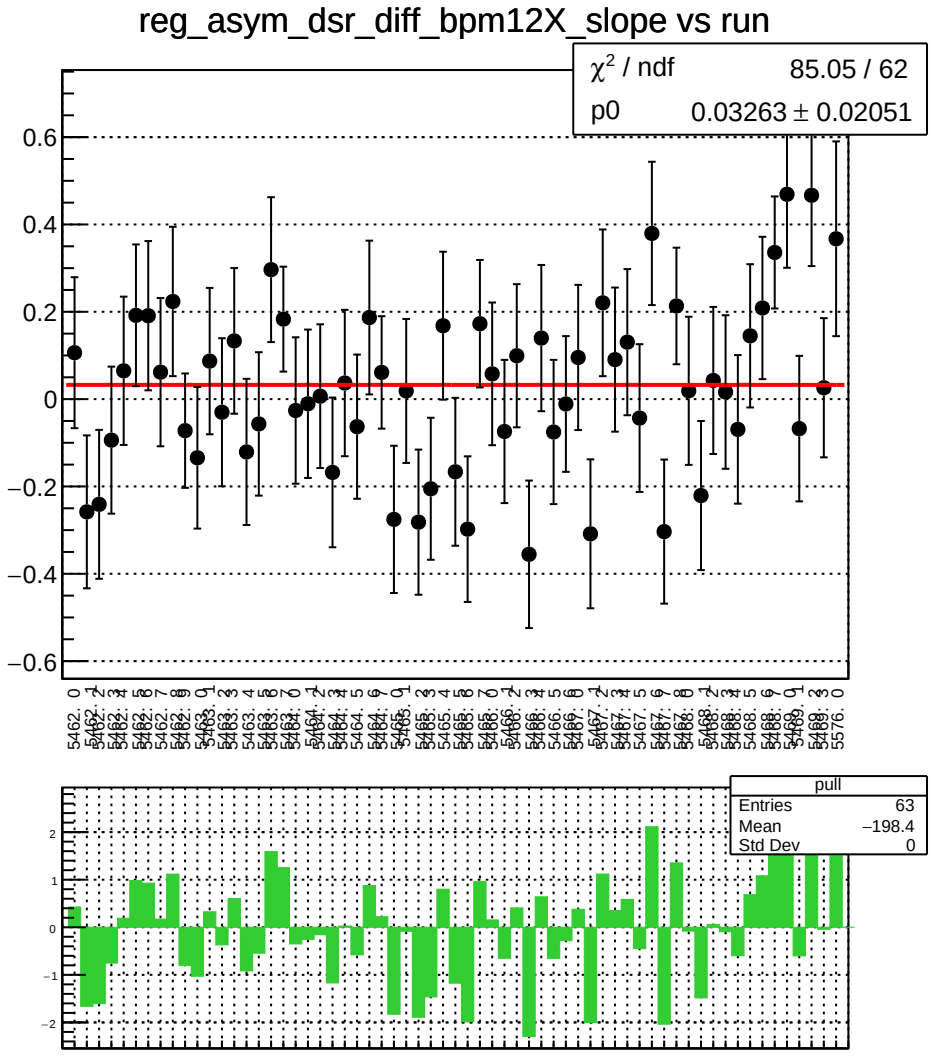

pull1D
Entries 63
Mean 0.03301
Std Dev 0.9911

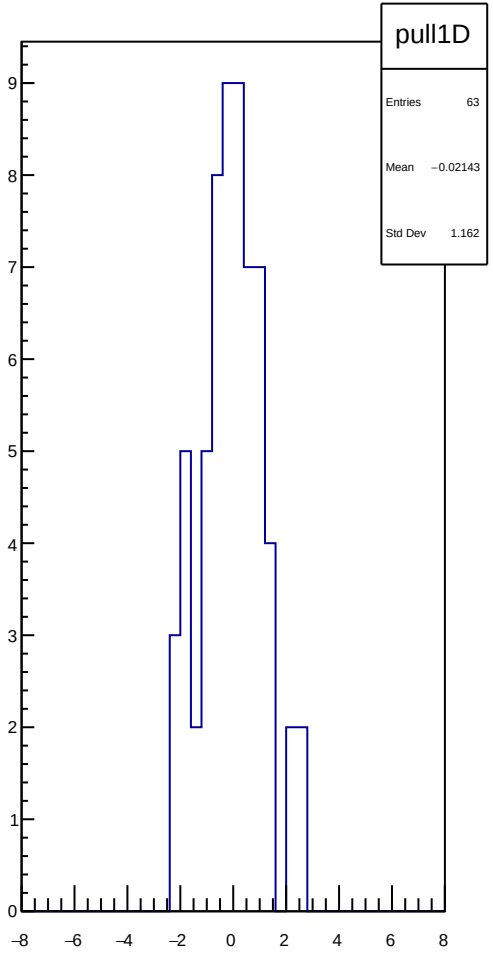

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 81.56 / 62
p0 −0.5948 ± 0.492
pull
Entries 63
Mean −526.1
Std Dev 0

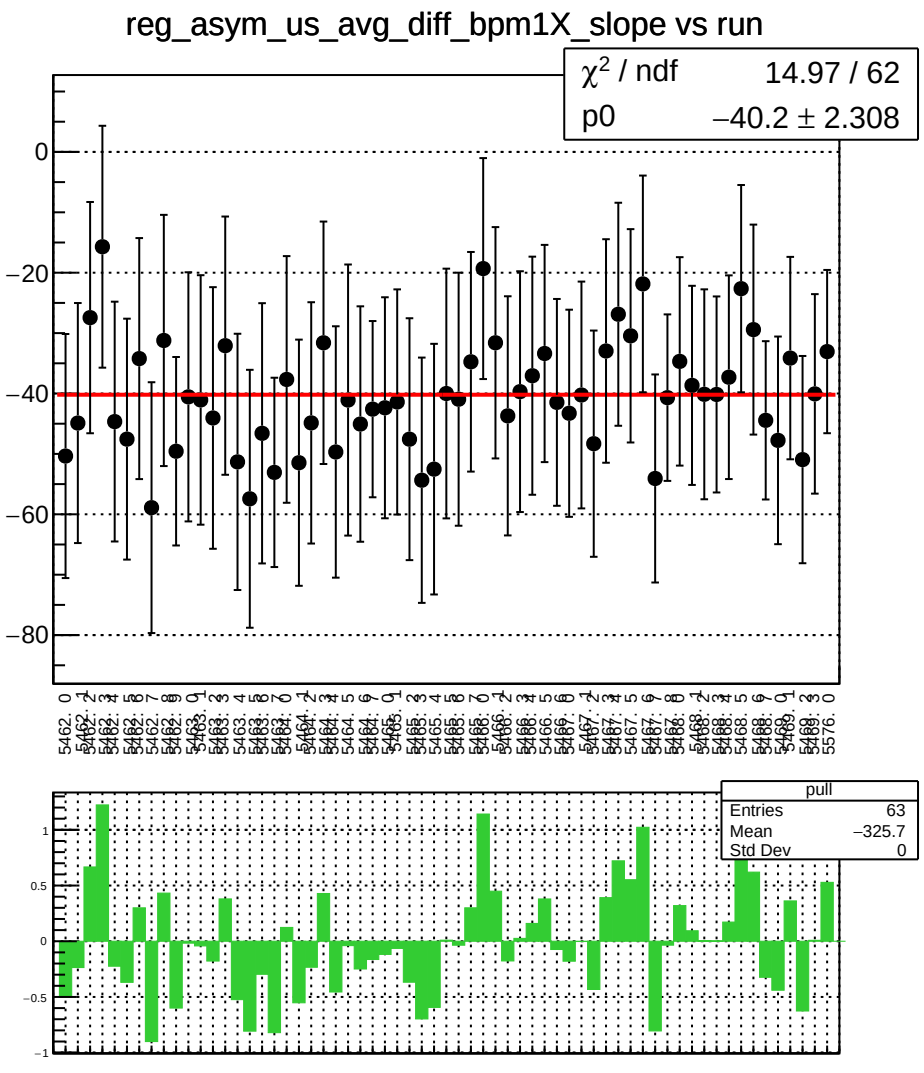

pull1D
Entries 63
Mean 0.006504
Std Dev 1.138

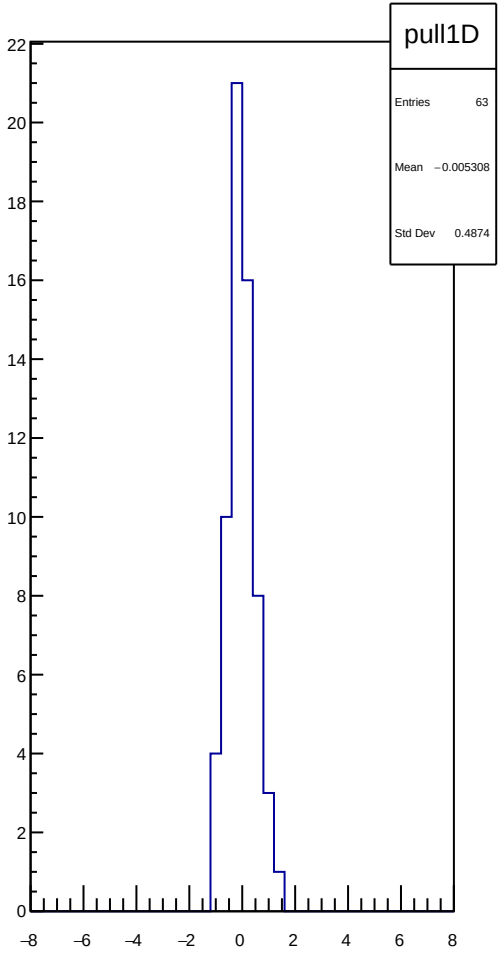

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 63.6 / 62
p0 −1.6 ± 0.7849
pull
Entries 63
Mean −130.9
Std Dev 0

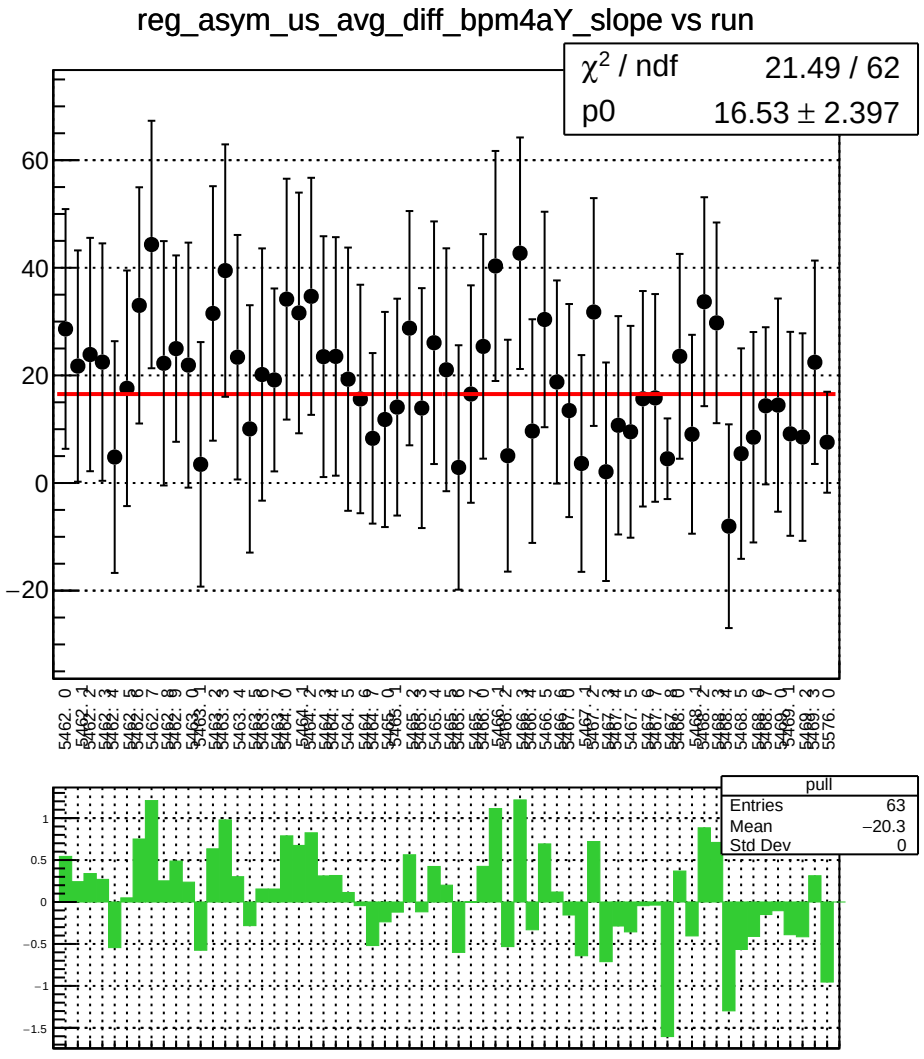

pull1D
Entries 63
Mean −0.02721
Std Dev 1.004

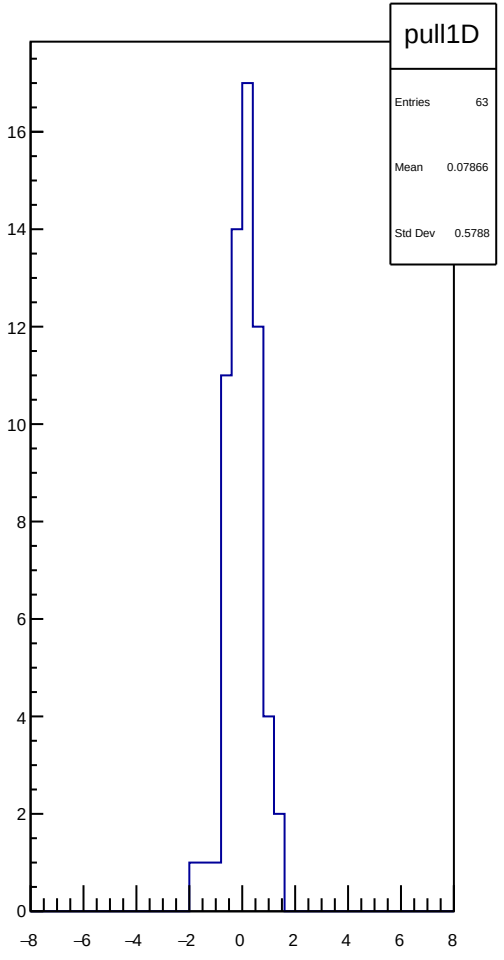

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.05 / 62
p0 0.03263 ± 0.02051
pull
Entries 63
Mean −198.4
Std Dev 0

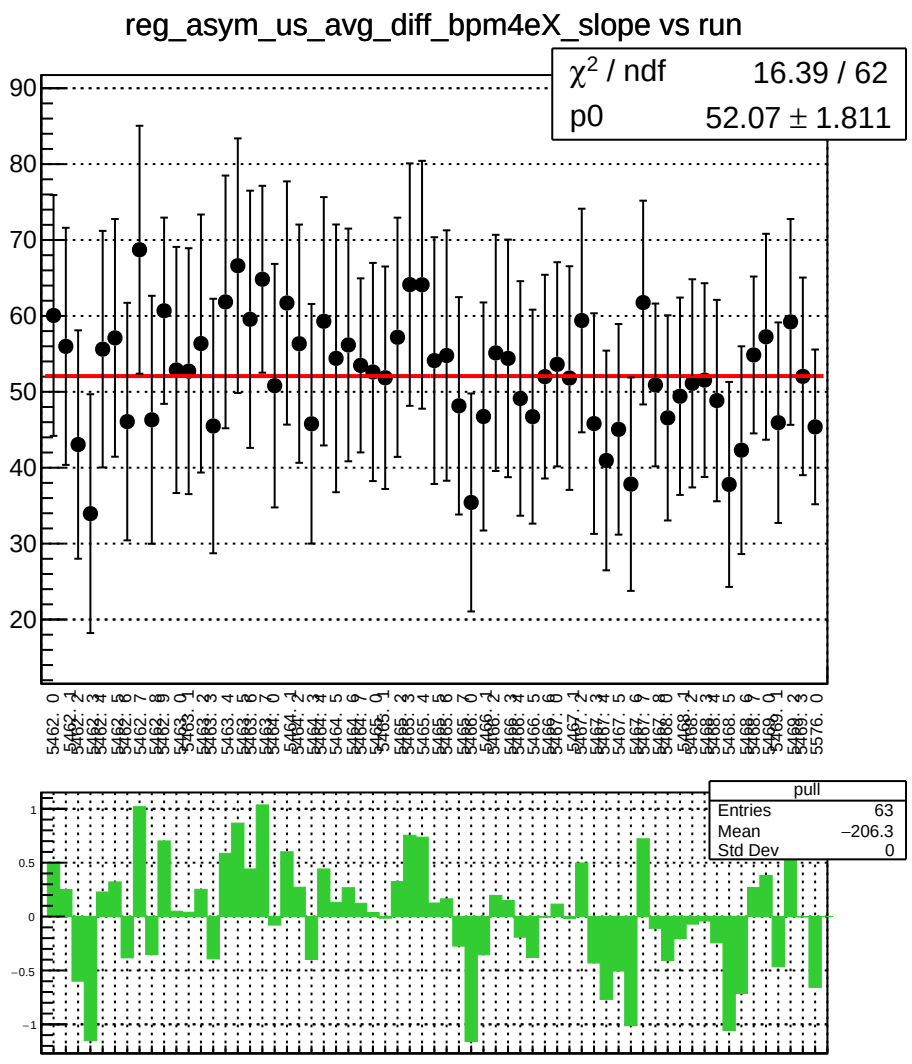

pull1D
Entries 63
Mean −0.02143
Std Dev 1.162

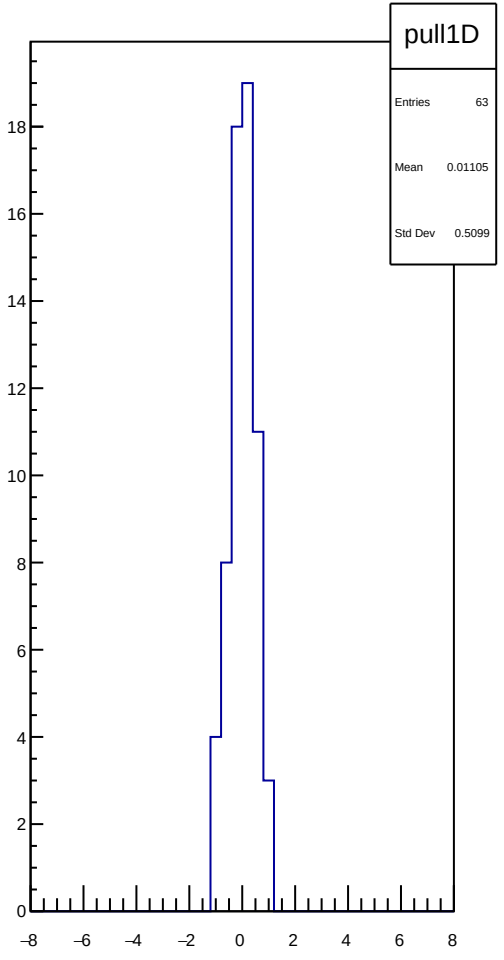

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 14.97 / 62
p0 −40.2 ± 2.308
pull
Entries 63
Mean −325.7
Std Dev 0

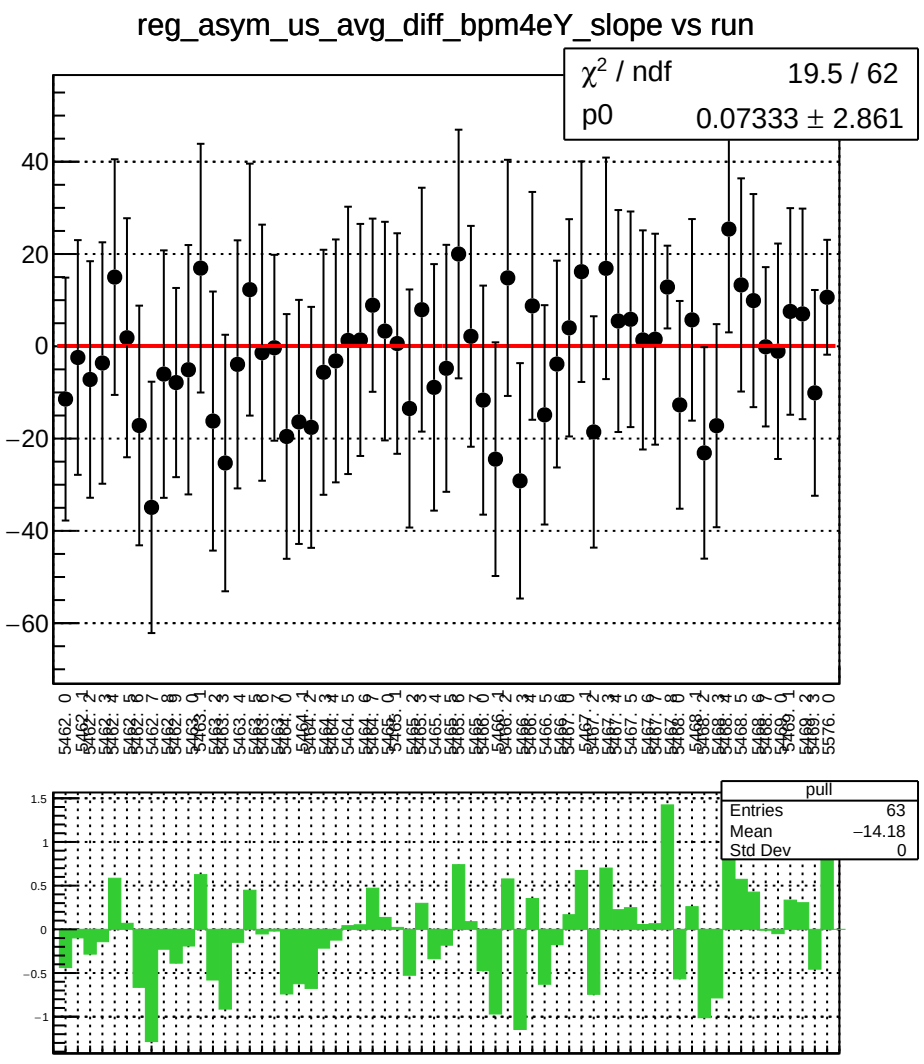

pull1D
Entries 63
Mean −0.005308
Std Dev 0.4874

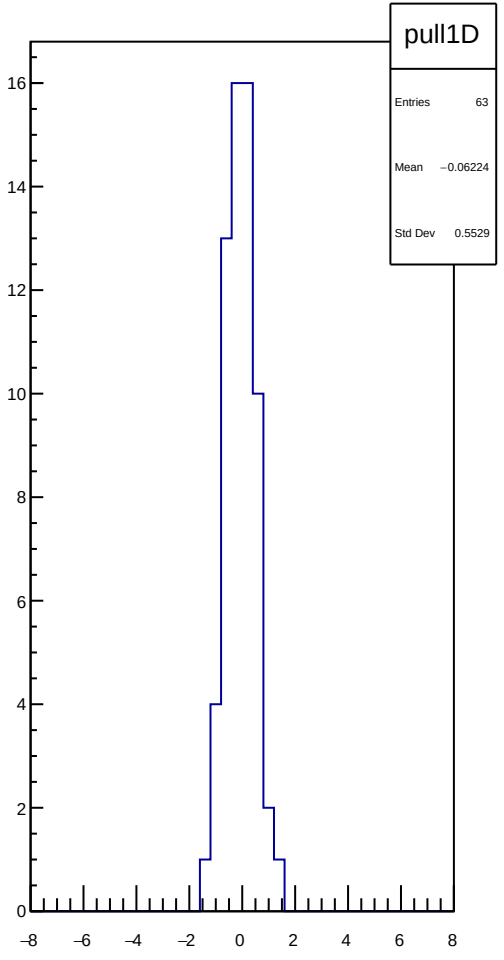

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.49 / 62
p0 16.53 ± 2.397
pull
Entries 63
Mean −20.3
Std Dev 0

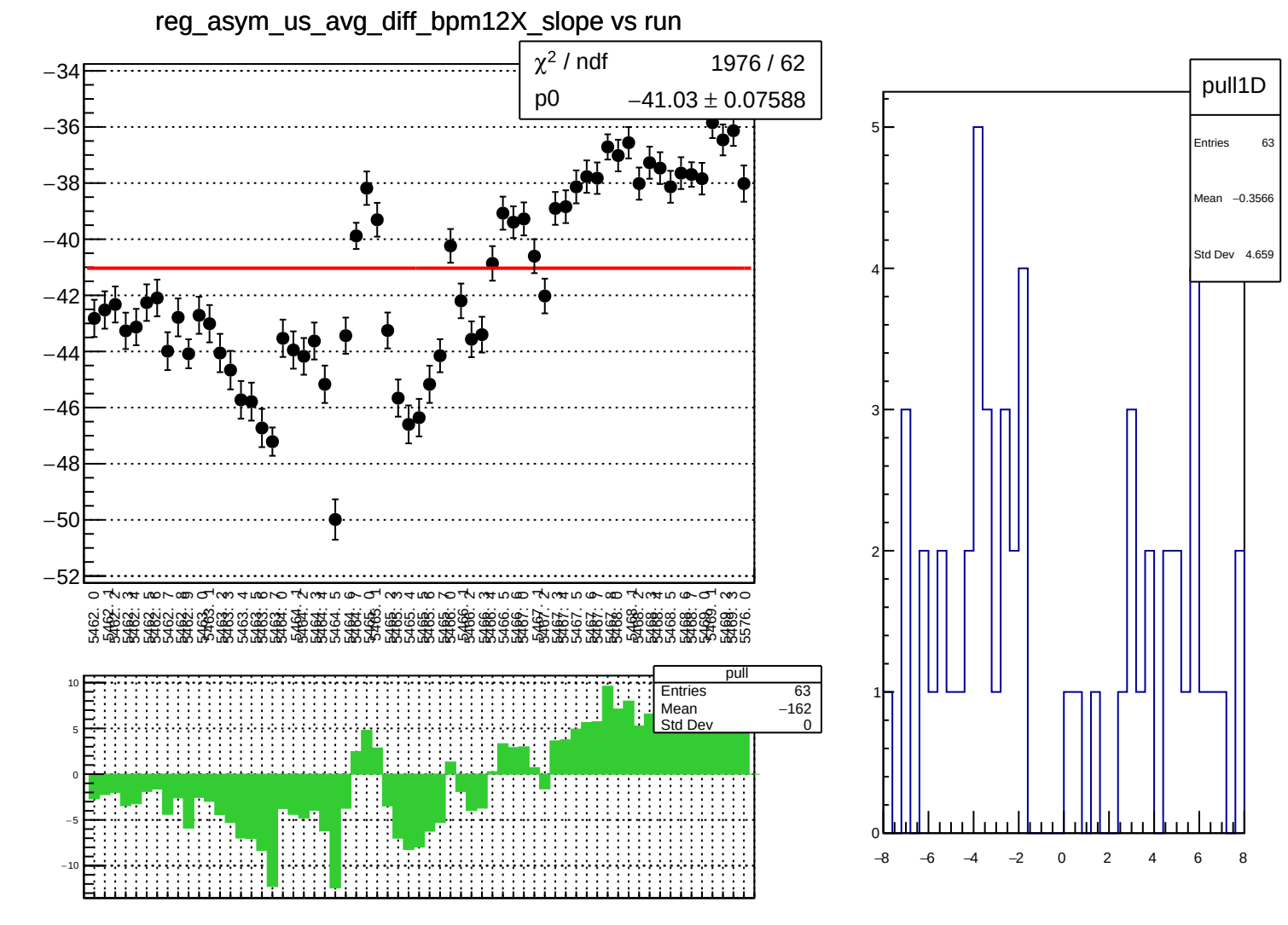

pull1D
Entries 63
Mean 0.07866
Std Dev 0.5788

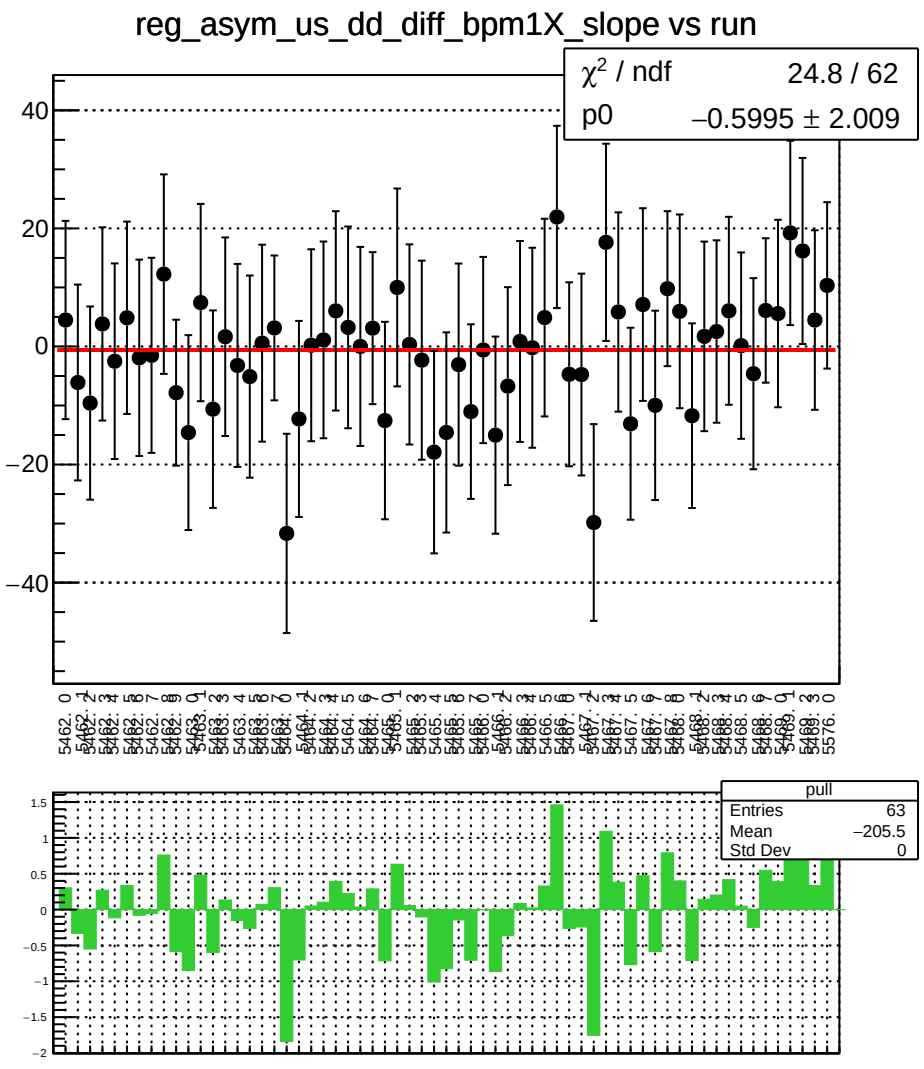

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.39 / 62
p0 52.07 ± 1.811
pull
Entries 63
Mean −206.3
Std Dev 0

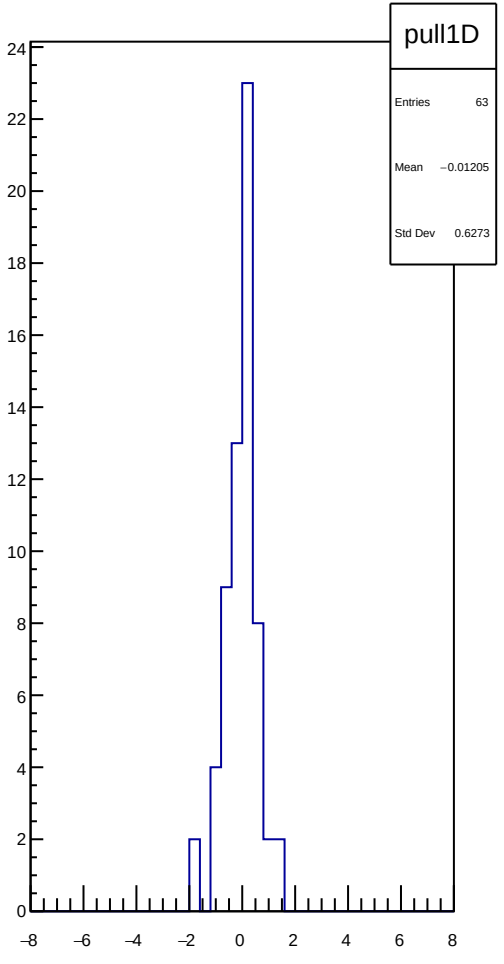

pull1D
Entries 63
Mean 0.01105
Std Dev 0.5099

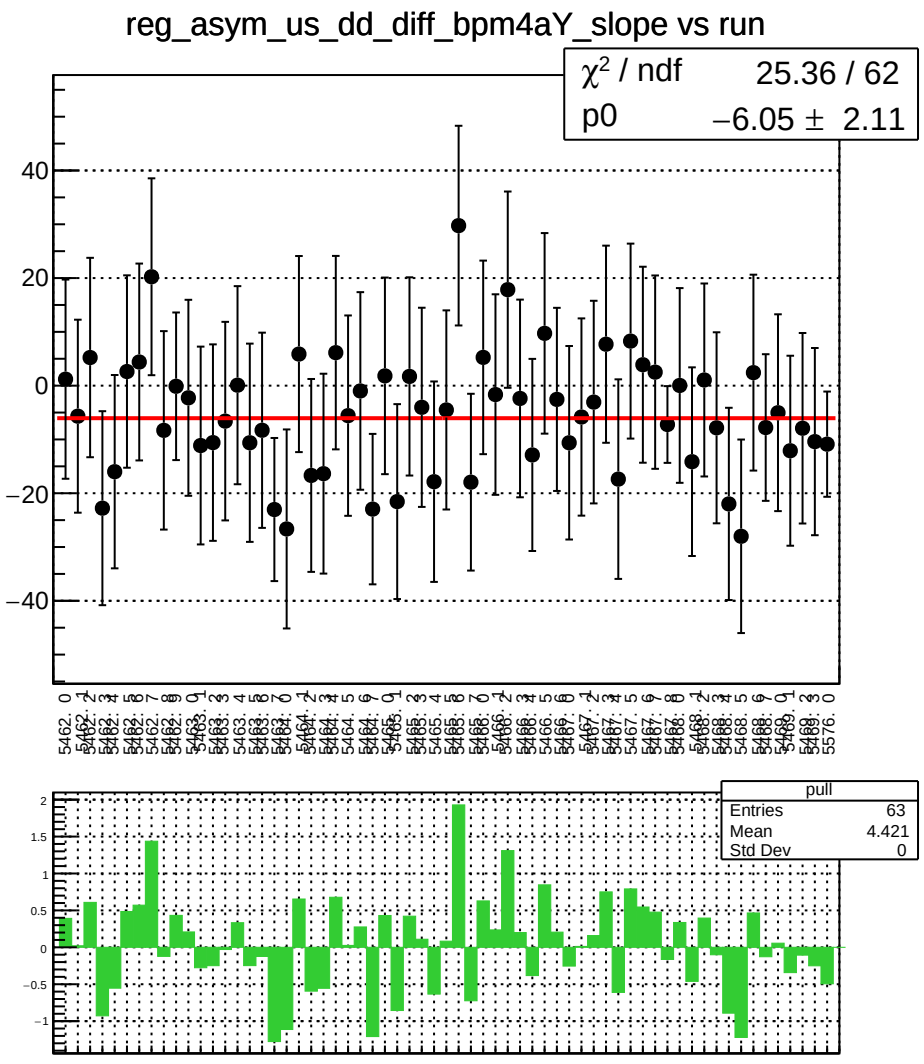

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.5 / 62
p0 0.07333 ± 2.861
pull
Entries 63
Mean −14.18
Std Dev 0

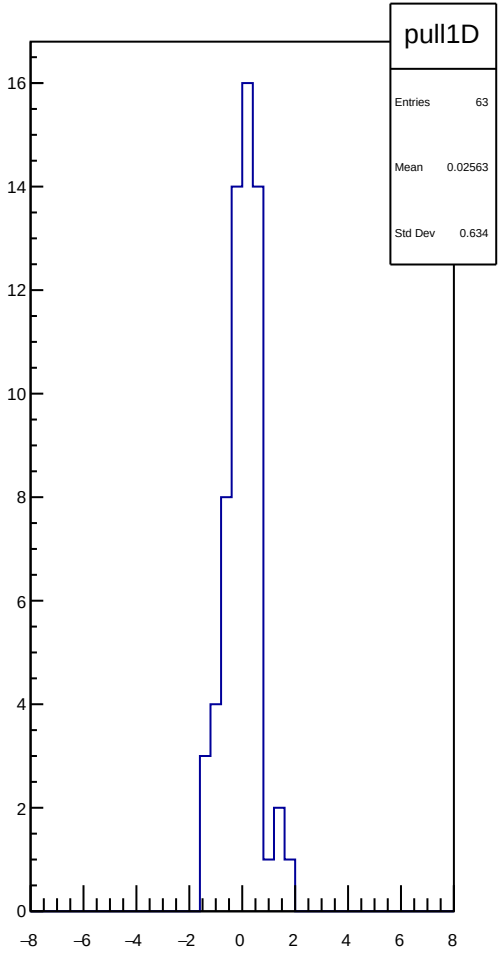

pull1D
Entries 63
Mean −0.06224
Std Dev 0.5529

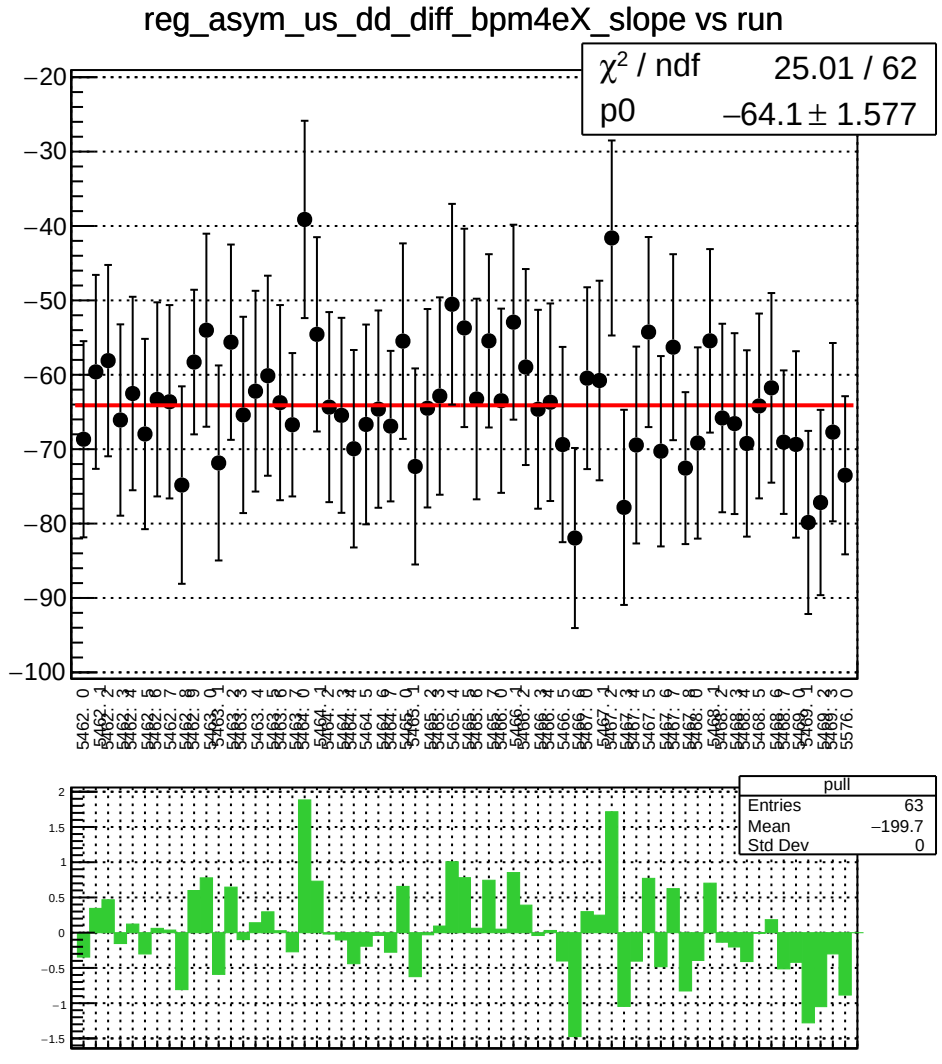

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 1976 / 62
p0 −41.03 ± 0.07588
pull
Entries 63
Mean −162
Std Dev 0
pull1D
Entries 63
Mean −0.3566
Std Dev 4.659

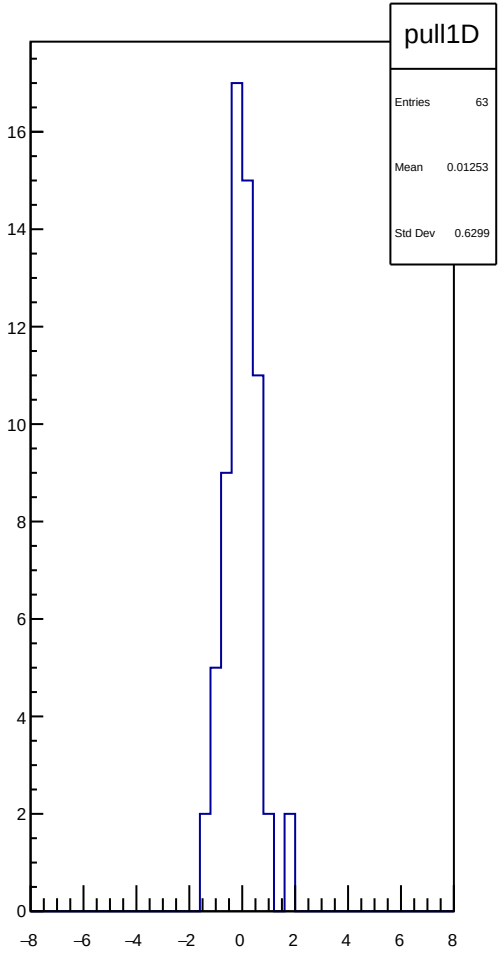

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 24.8 / 62
p0 −0.5995 ± 2.009
pull
Entries 63
Mean −205.5
Std Dev 0

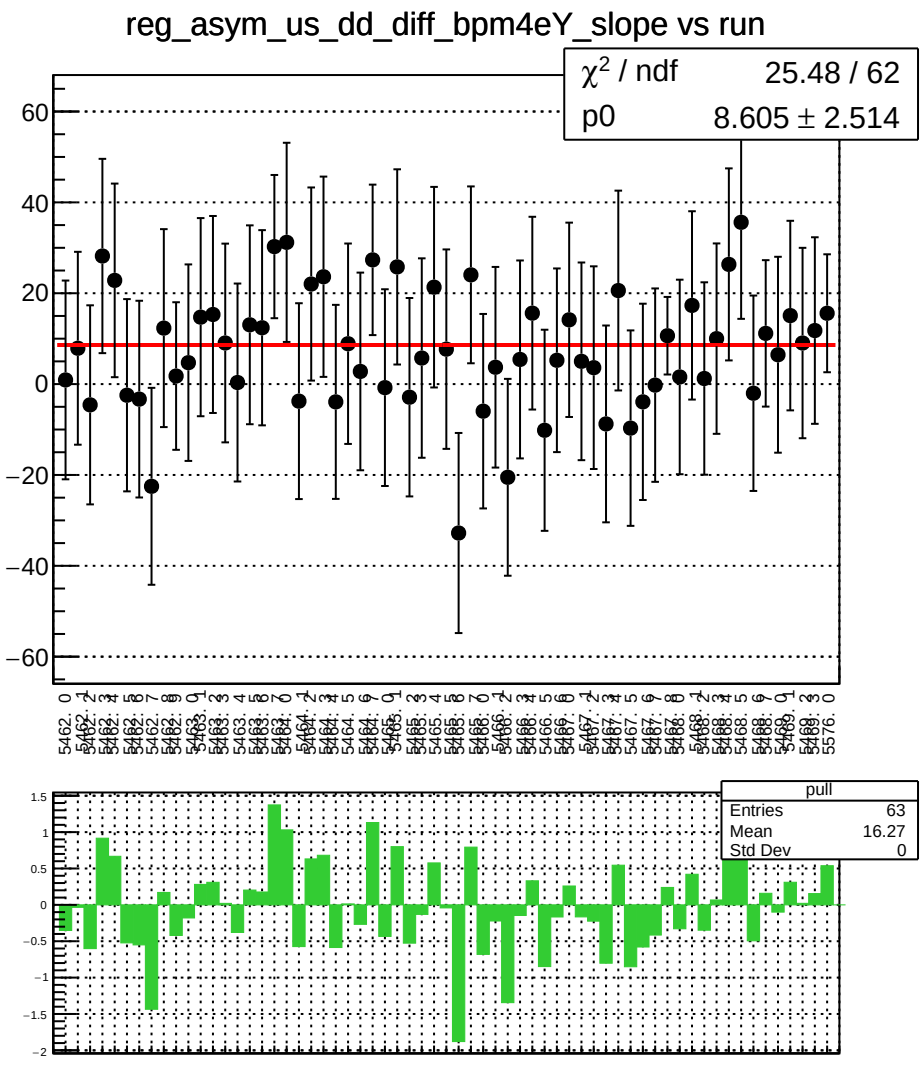

pull1D
Entries 63
Mean −0.01205
Std Dev 0.6273

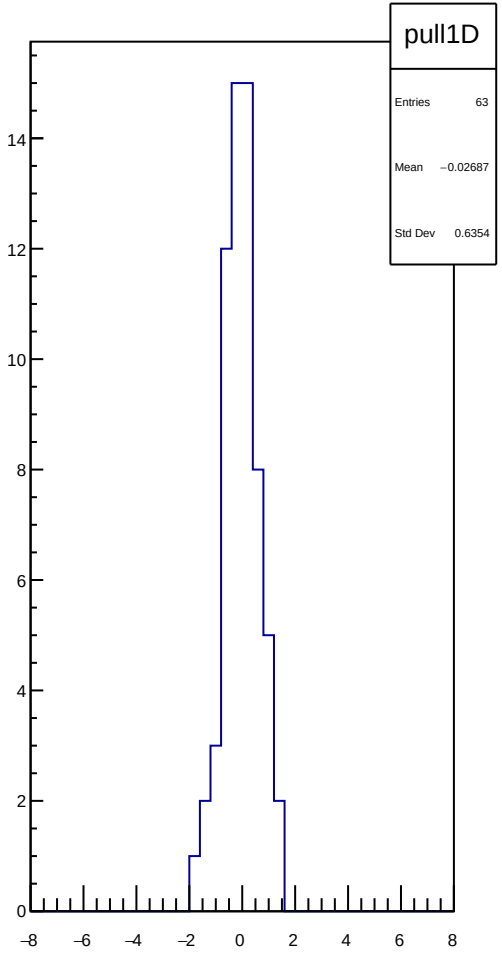

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.36 / 62
p0 −6.05 ± 2.11
pull
Entries 63
Mean 4.421
Std Dev 0

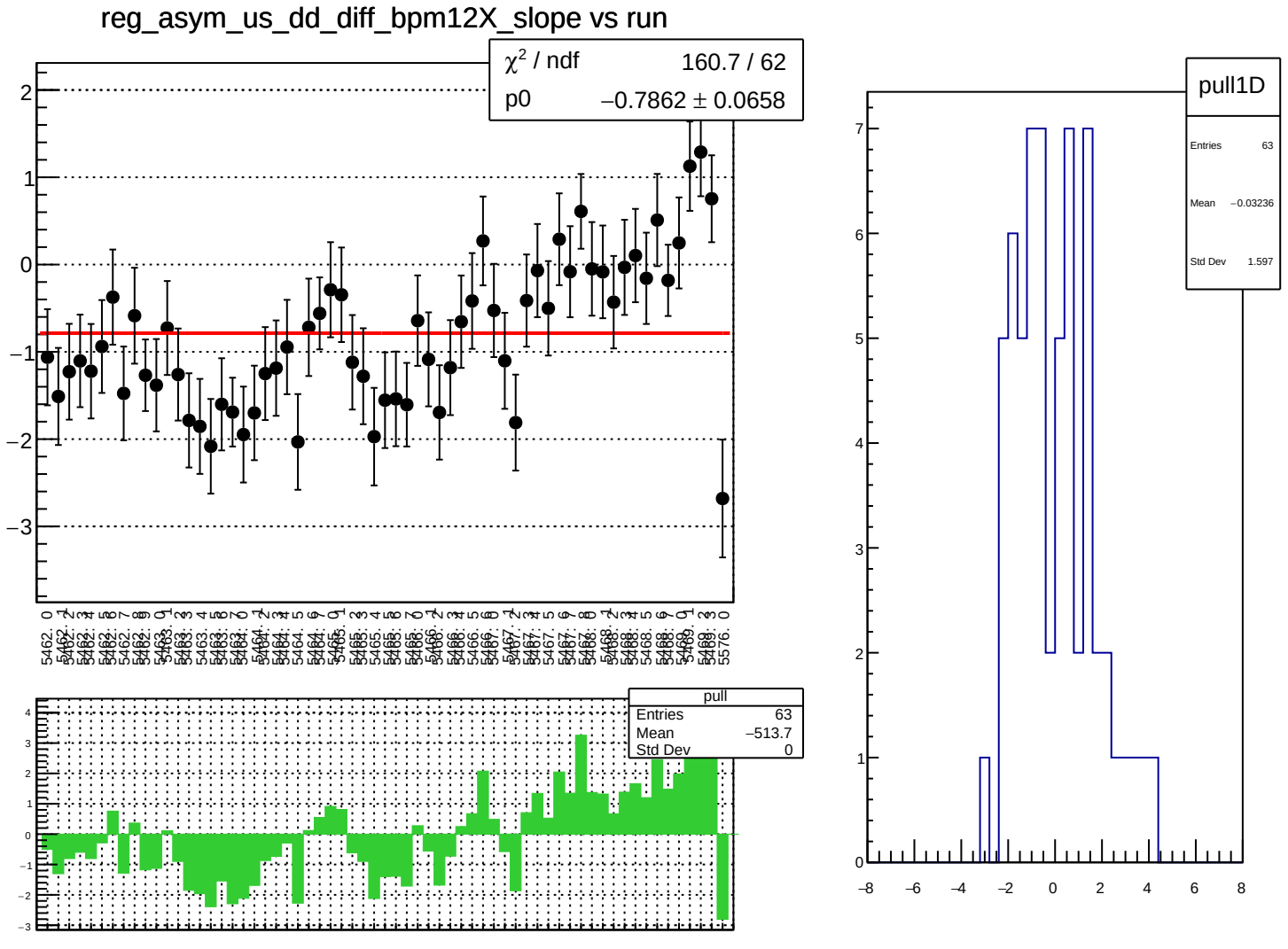

pull1D
Entries 63
Mean 0.02563
Std Dev 0.634

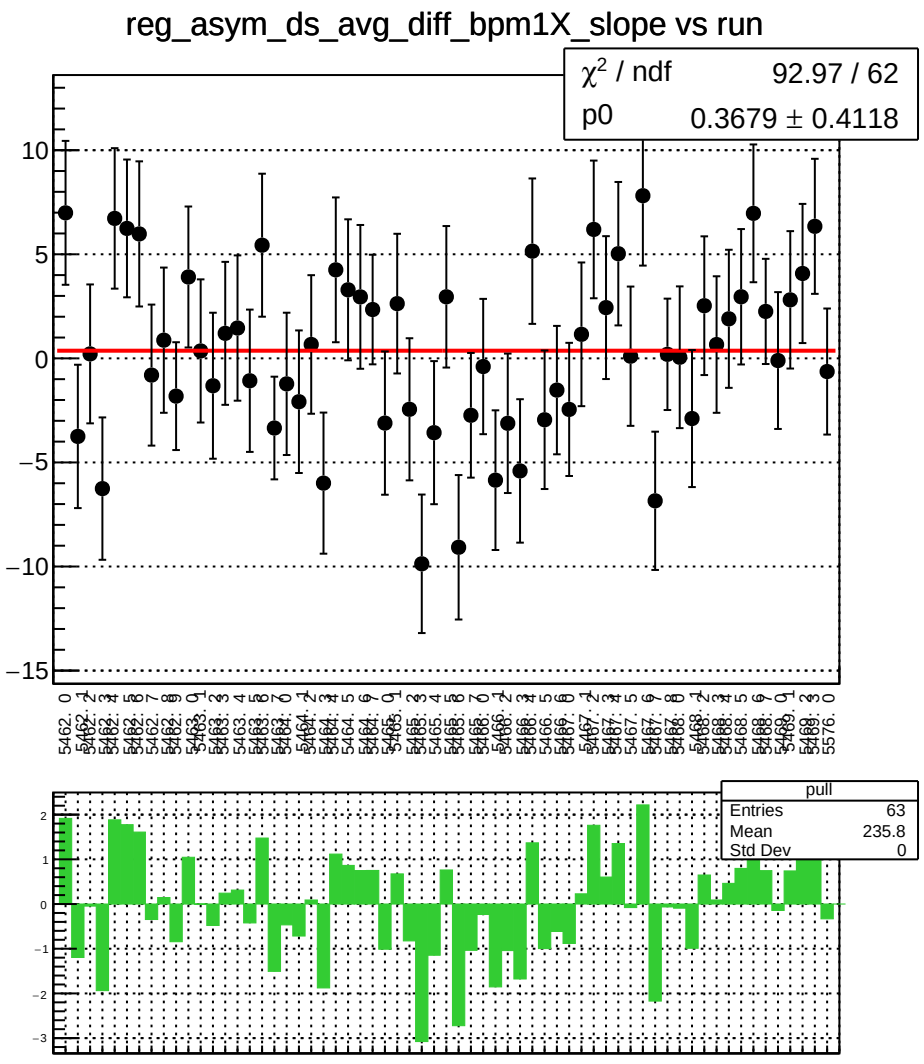

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.01 / 62
p0 −64.1 ± 1.577
pull
Entries 63
Mean −199.7
Std Dev 0

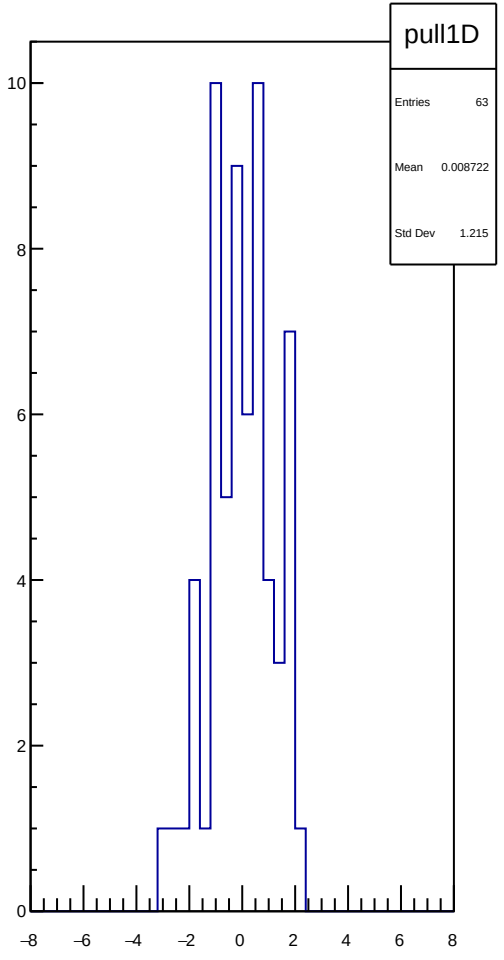

pull1D
Entries 63
Mean 0.01253
Std Dev 0.6299

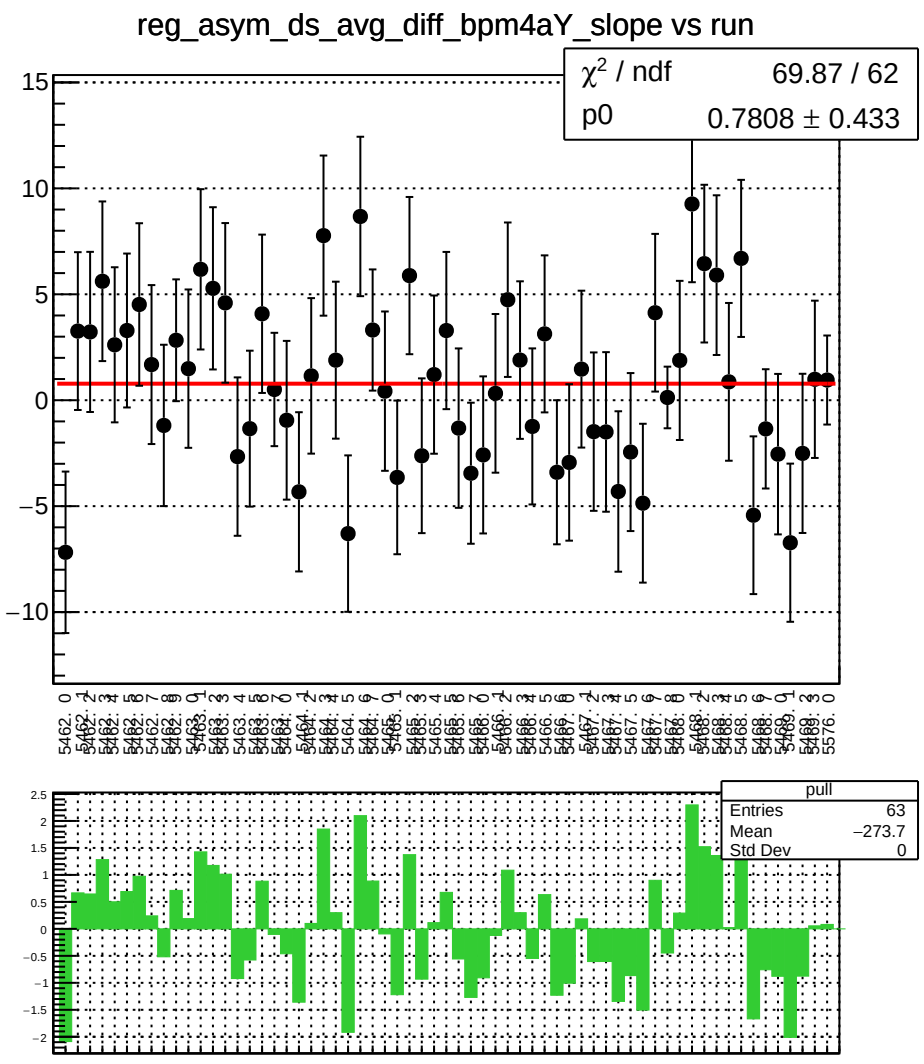

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.48 / 62
p0 8.605 ± 2.514
pull
Entries 63
Mean 16.27
Std Dev 0

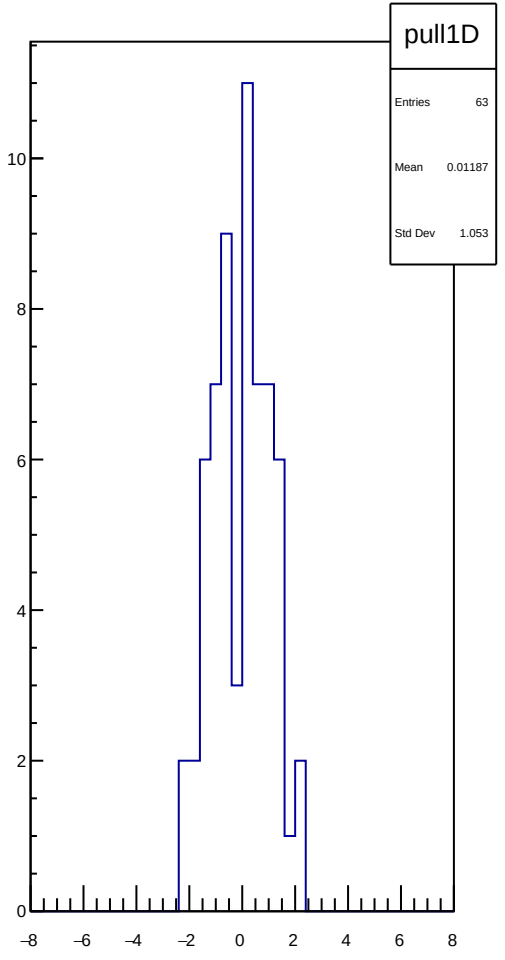

pull1D
Entries 63
Mean −0.02687
Std Dev 0.6354

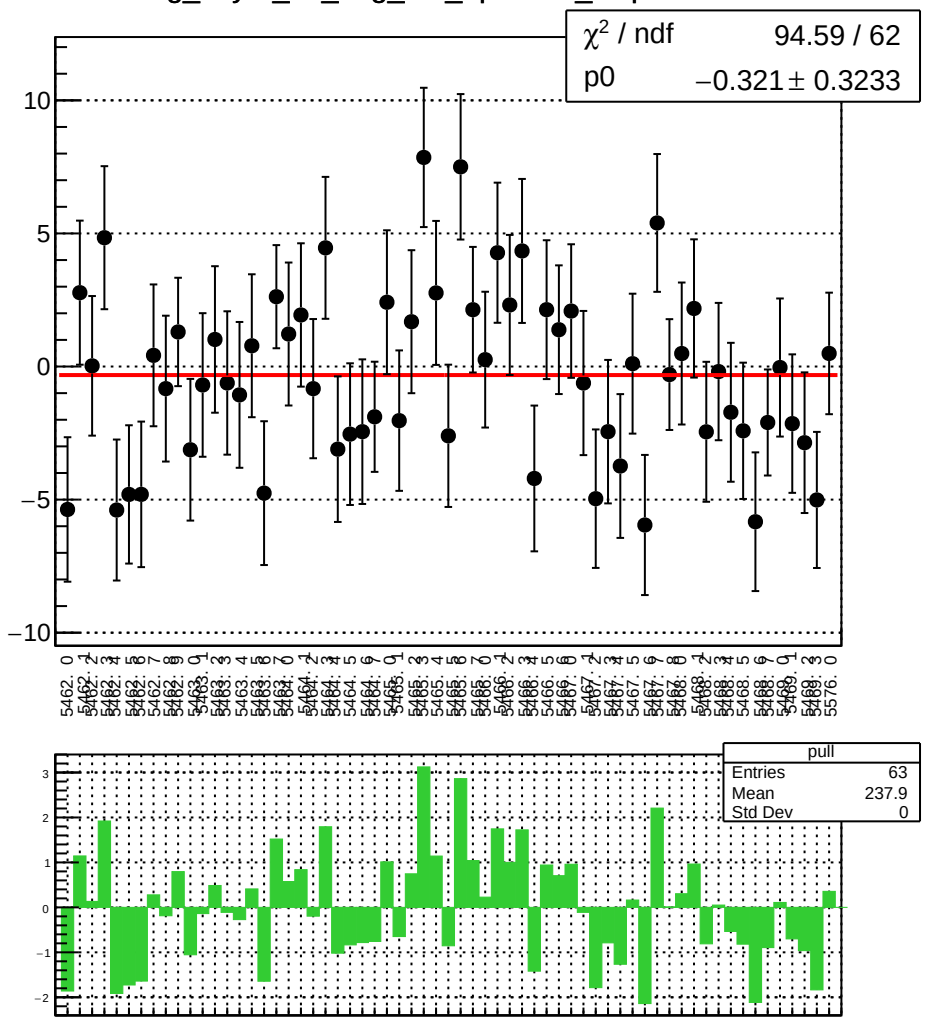

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 160.7 / 62
p0 −0.7862 ± 0.0658
pull
Entries 63
Mean −513.7
Std Dev 0
pull1D
Entries 63
Mean −0.03236
Std Dev 1.597

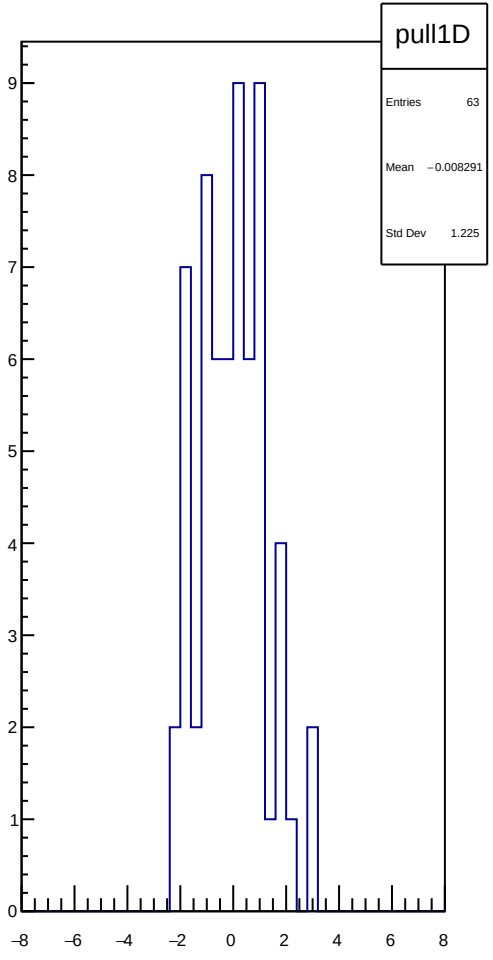

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 92.97 / 62
p0 0.3679 ± 0.4118
pull
Entries 63
Mean 235.8
Std Dev 0

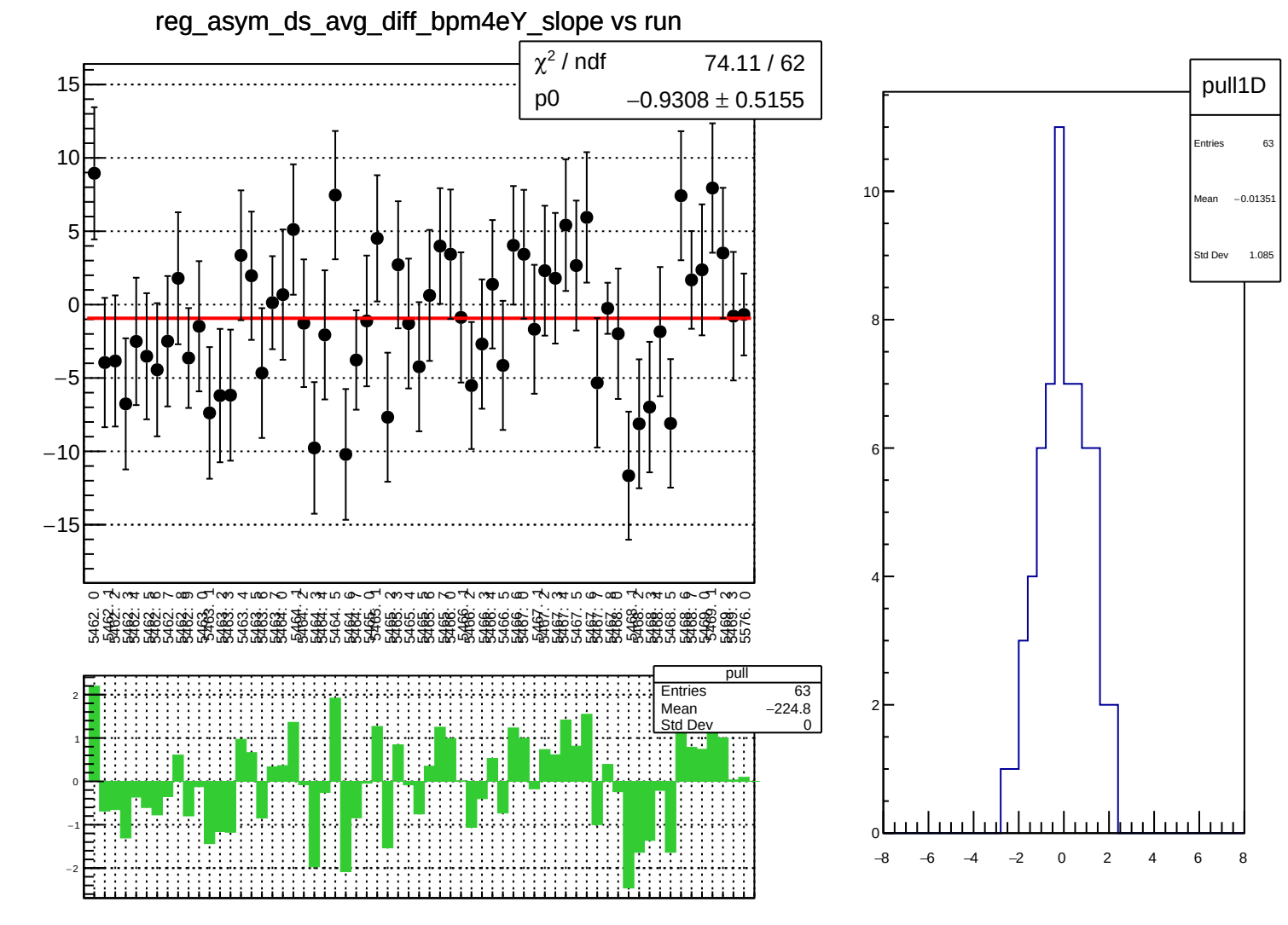

pull1D
Entries 63
Mean 0.008722
Std Dev 1.215

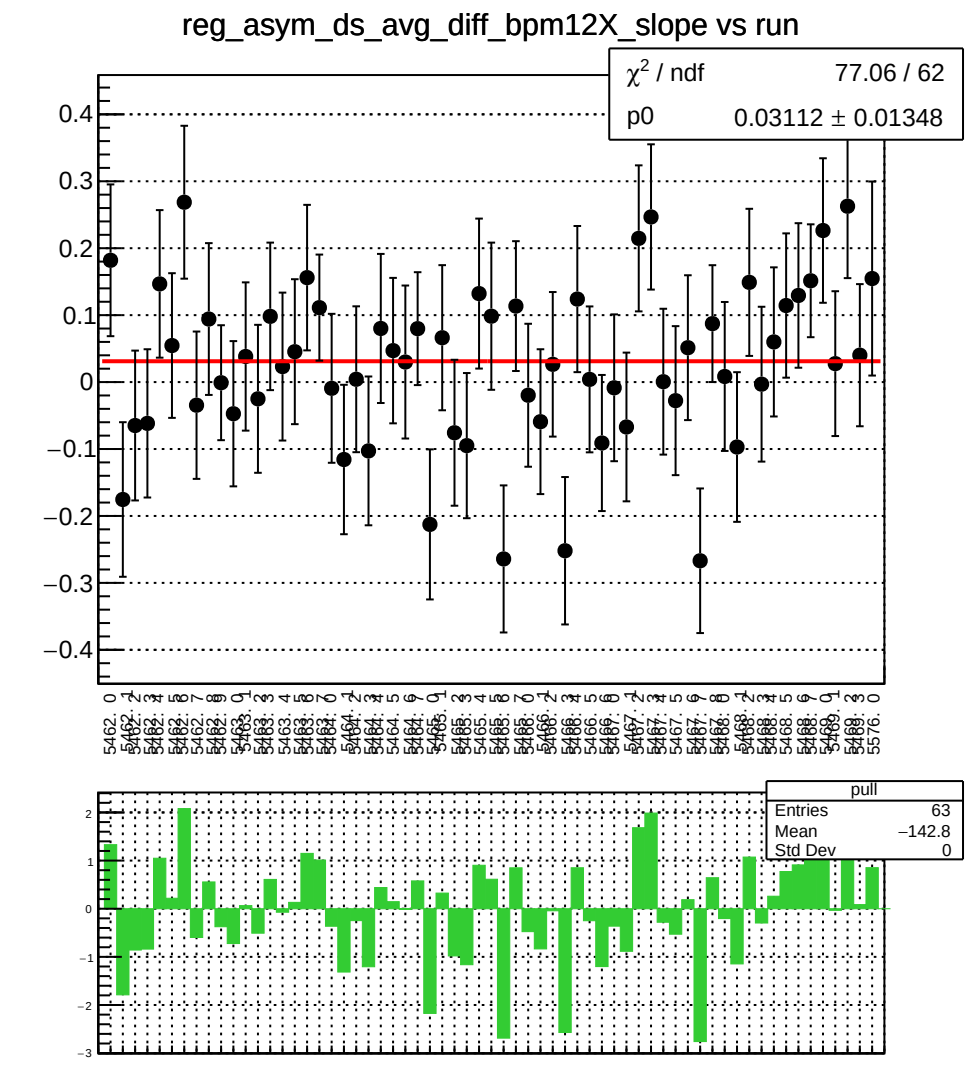

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.87 / 62
p0 0.7808 ± 0.433
pull
Entries 63
Mean −273.7
Std Dev 0

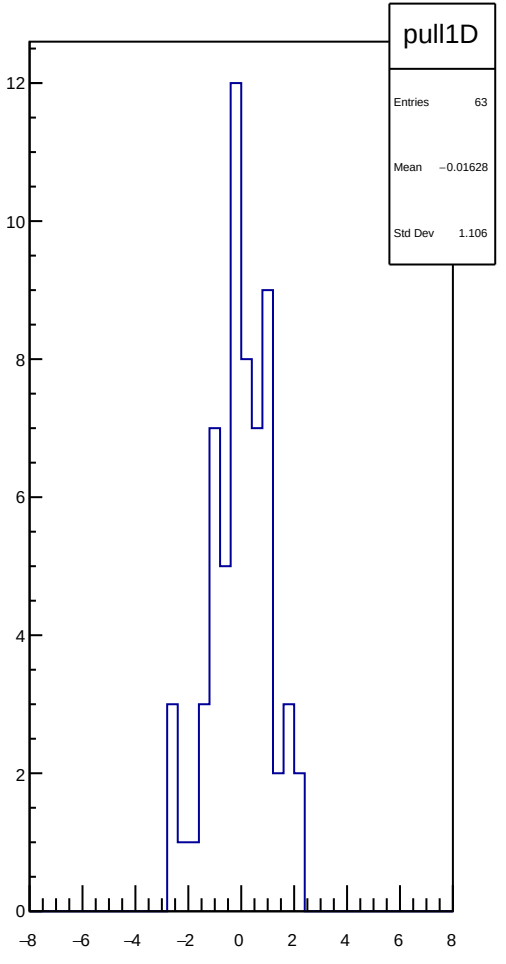

pull1D
Entries 63
Mean 0.01187
Std Dev 1.053

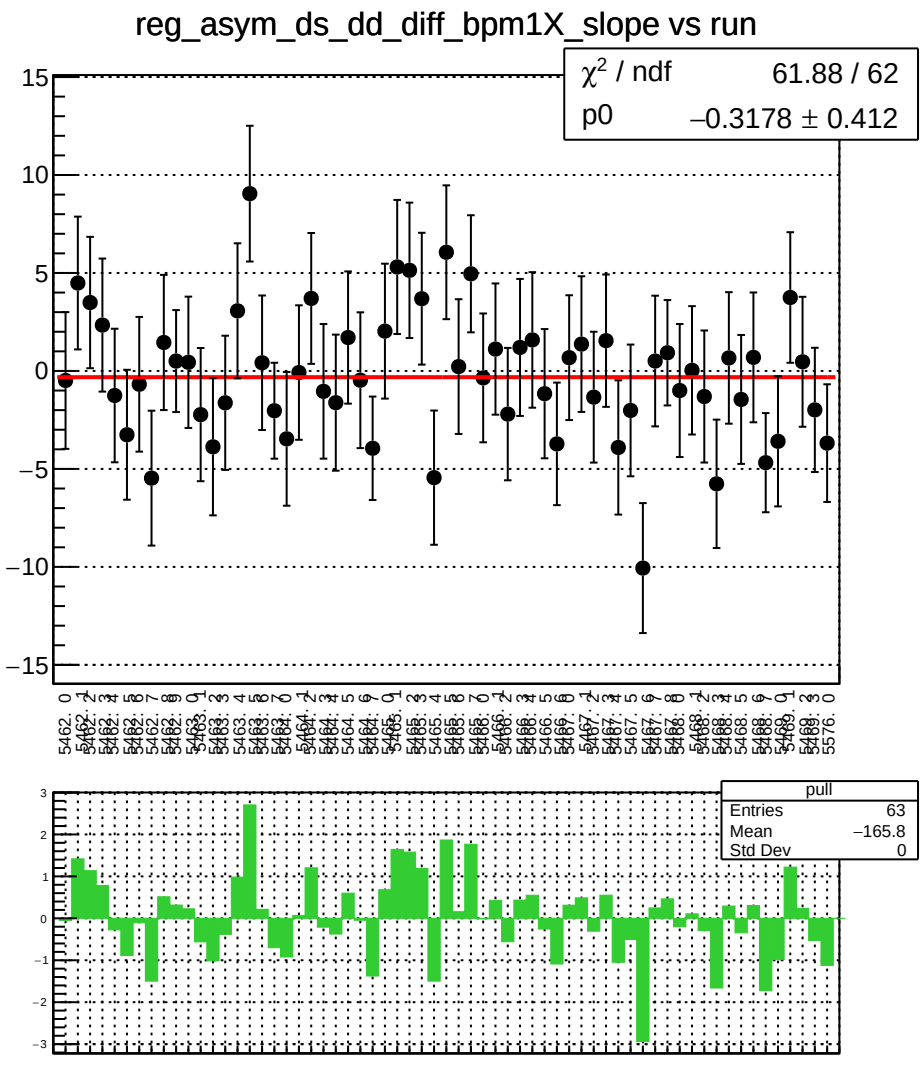

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.59 / 62
p0 −0.321 ± 0.3233
pull
Entries 63
Mean 237.9
Std Dev 0

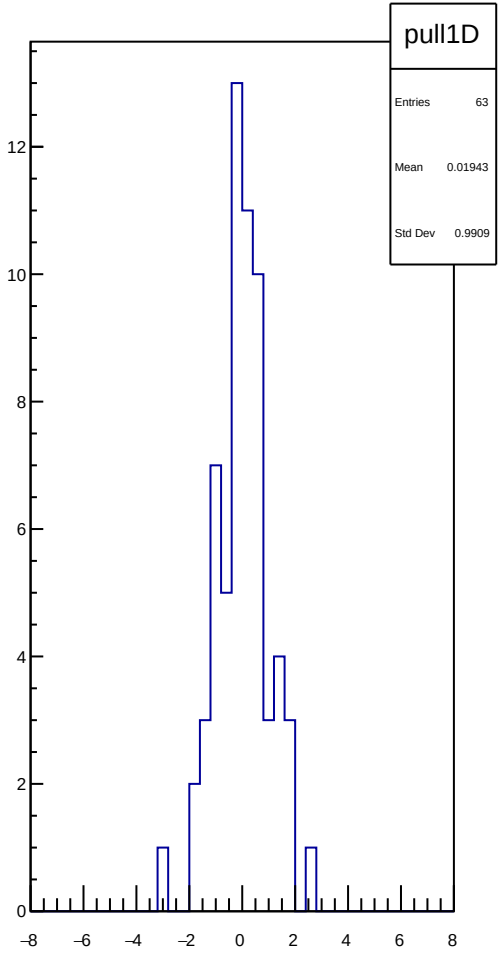

pull1D
Entries 63
Mean −0.008291
Std Dev 1.225

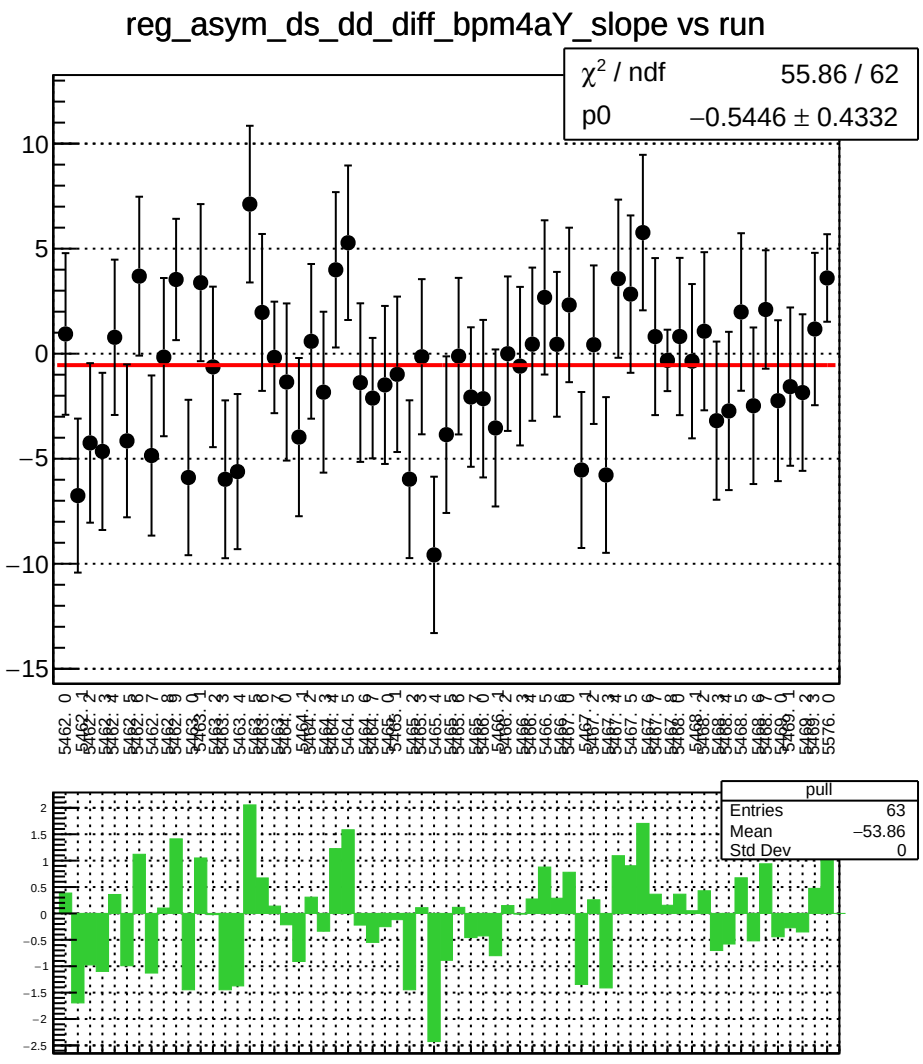

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.11 / 62
p0 −0.9308 ± 0.5155
pull
Entries 63
Mean −224.8
Std Dev 0
pull1D
Entries 63
Mean −0.01351
Std Dev 1.085

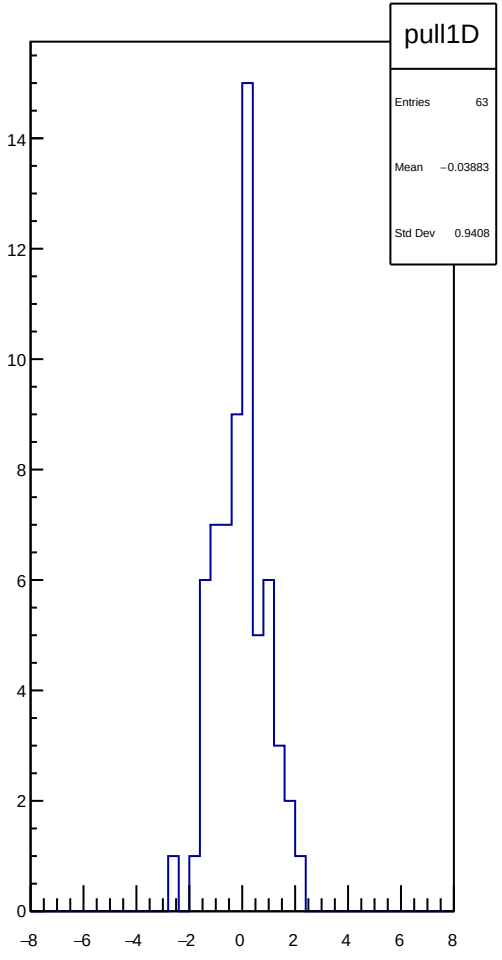

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 77.06 / 62
p0 0.03112 ± 0.01348
pull
Entries 63
Mean −142.8
Std Dev 0

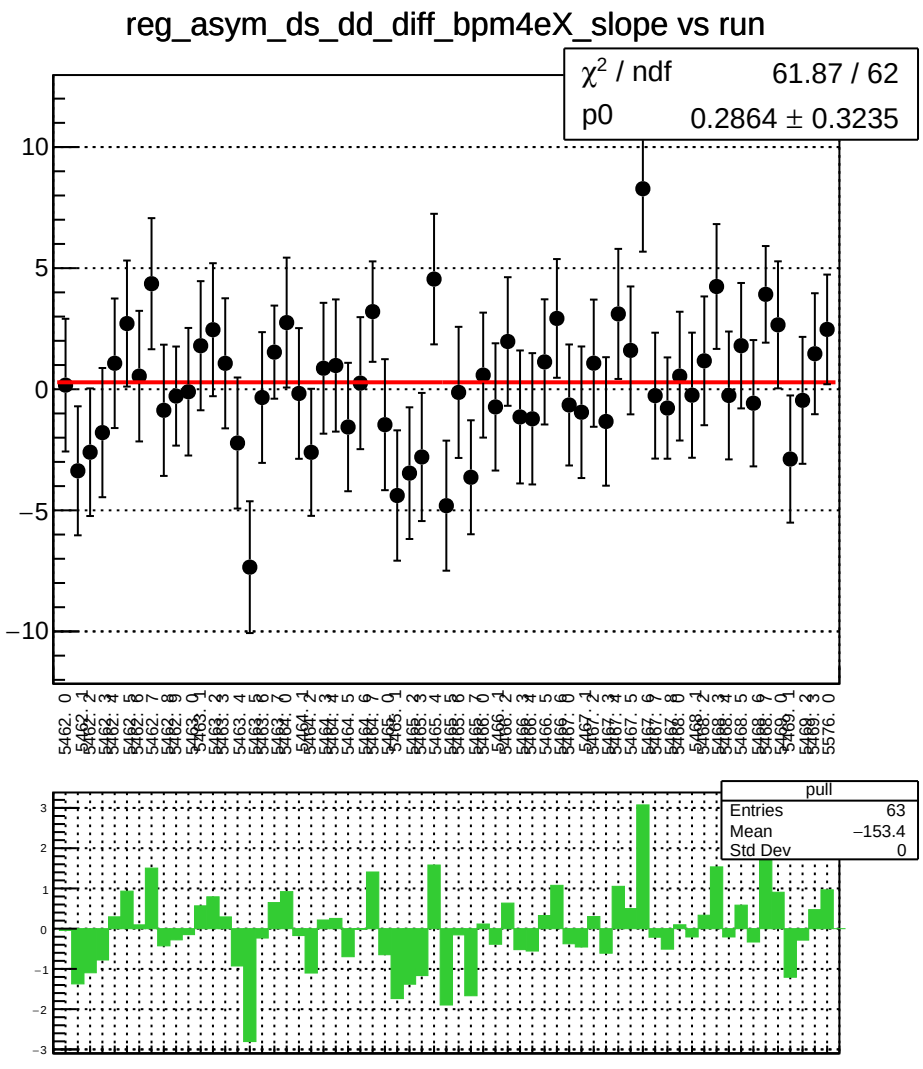

pull1D
Entries 63
Mean −0.01628
Std Dev 1.106

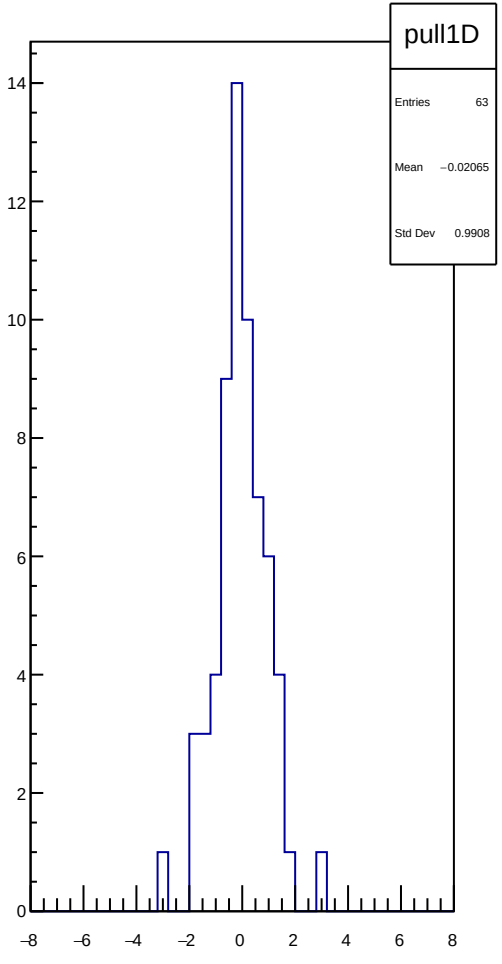

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.88 / 62
p0 −0.3178 ± 0.412
pull
Entries 63
Mean −165.8
Std Dev 0

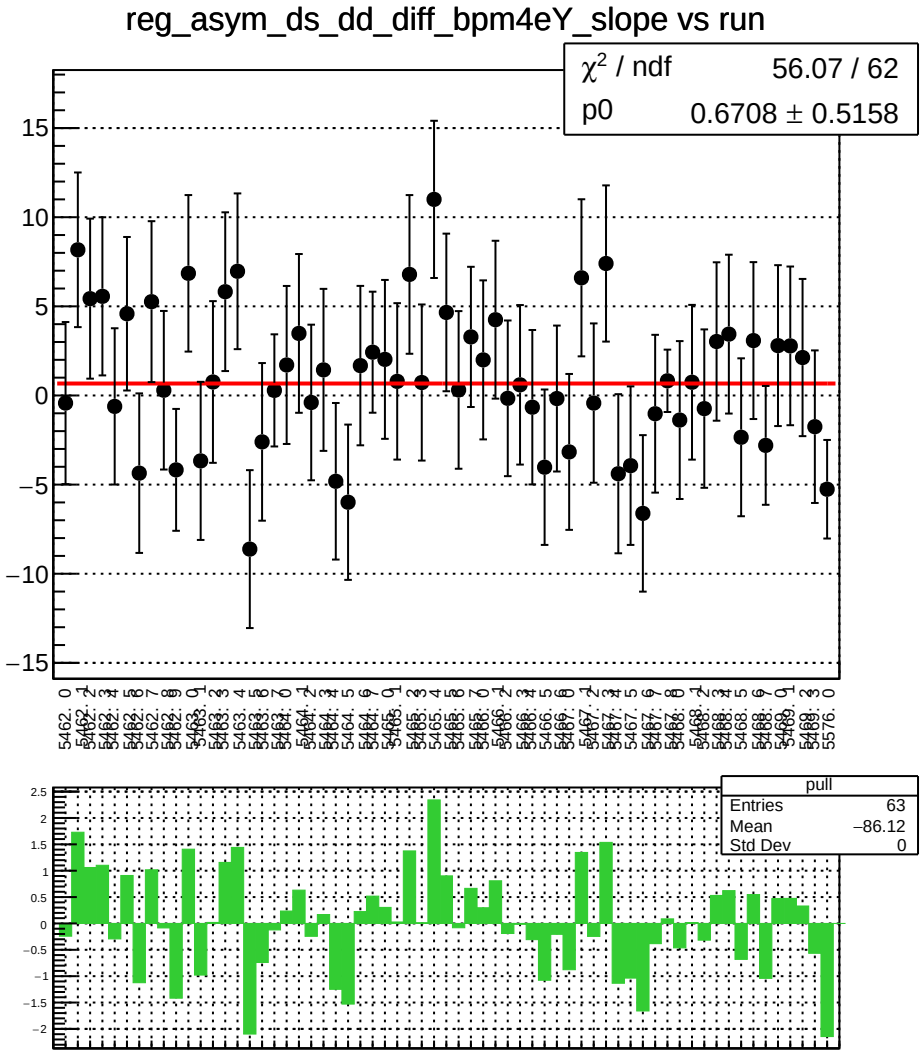

pull1D
Entries 63
Mean 0.01943
Std Dev 0.9909

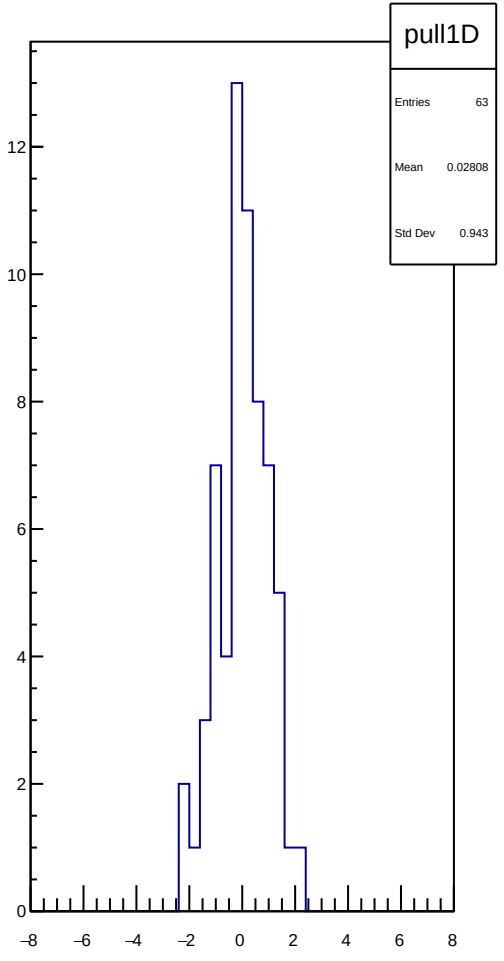

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.86 / 62
p0 −0.5446 ± 0.4332
pull
Entries 63
Mean −53.86
Std Dev 0

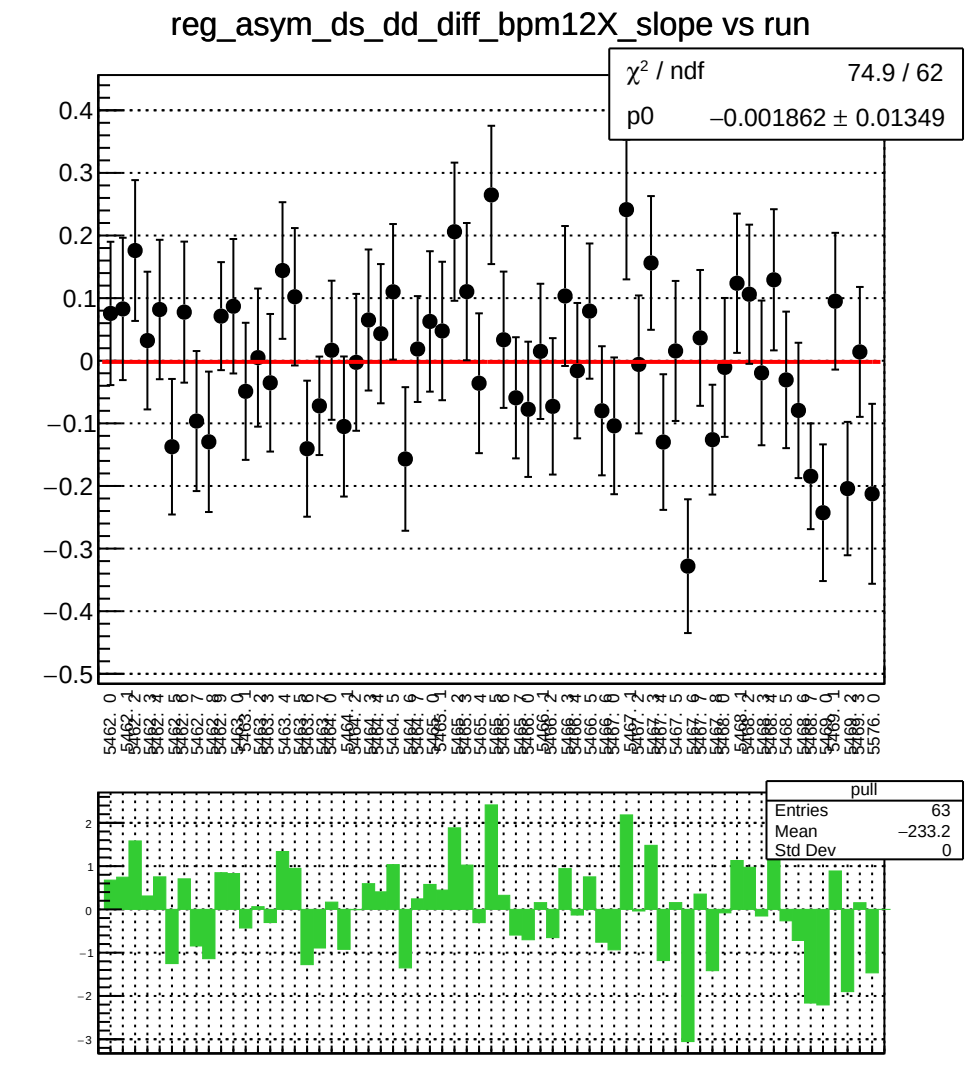

pull1D
Entries 63
Mean −0.03883
Std Dev 0.9408

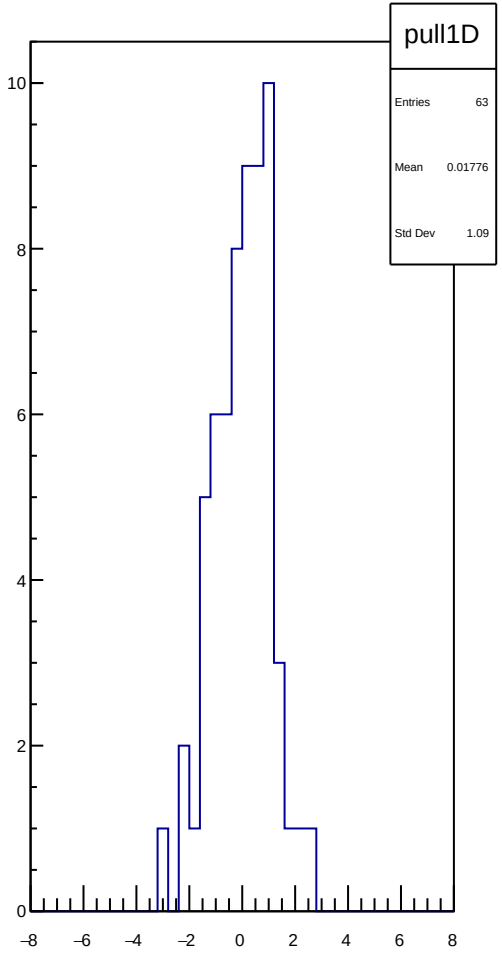

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.87 / 62
p0 0.2864 ± 0.3235
pull
Entries 63
Mean −153.4
Std Dev 0

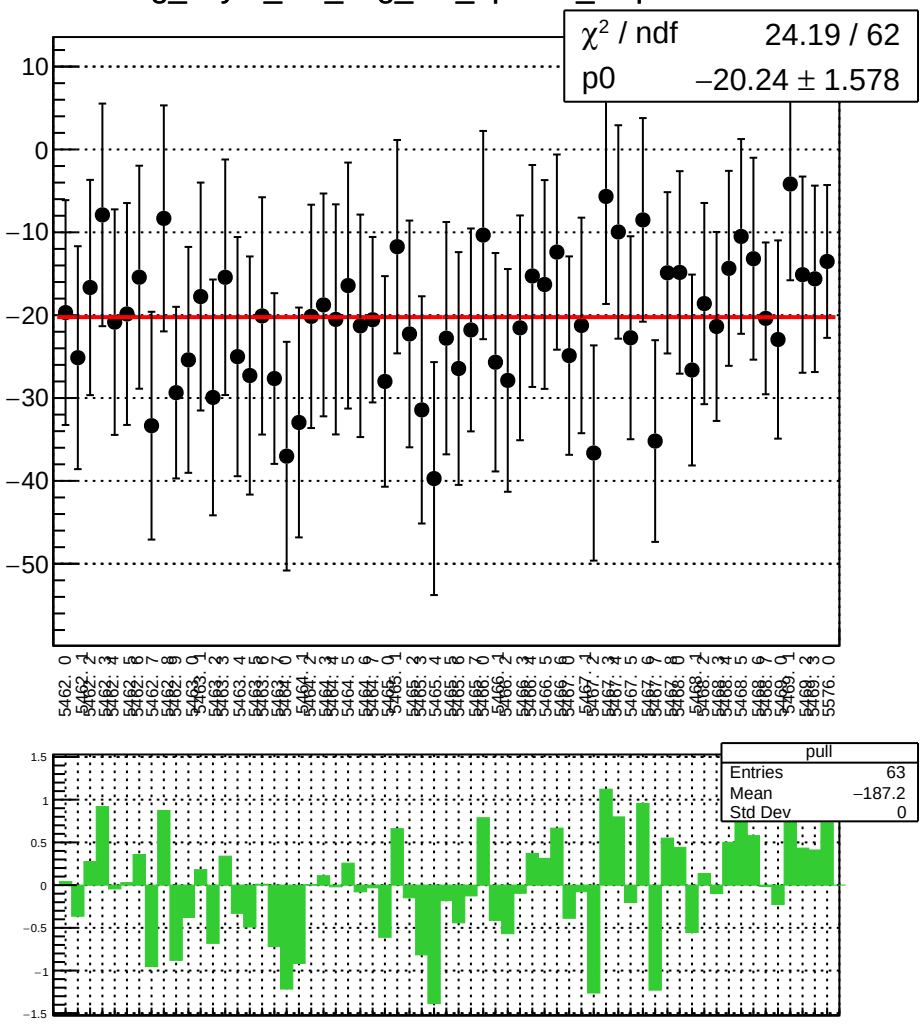

pull1D
Entries 63
Mean −0.02065
Std Dev 0.9908

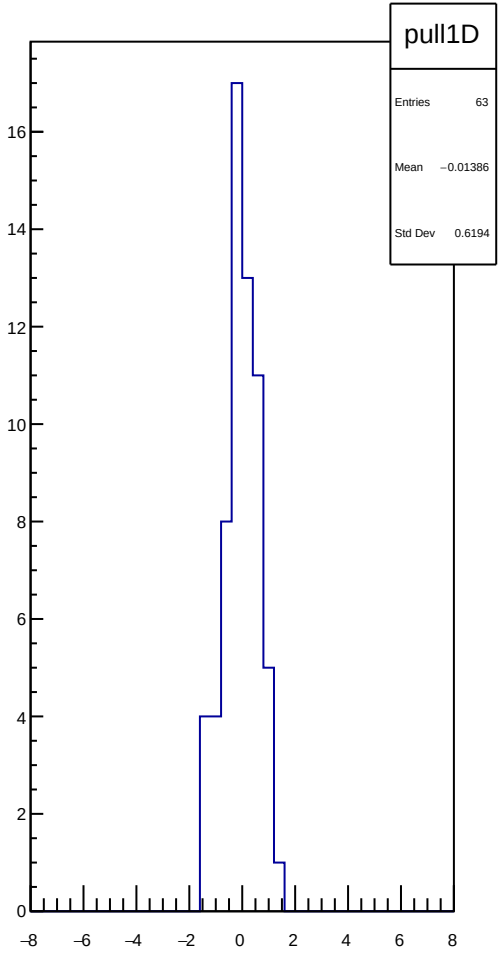

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.07 / 62
p0 0.6708 ± 0.5158
pull
Entries 63
Mean −86.12
Std Dev 0

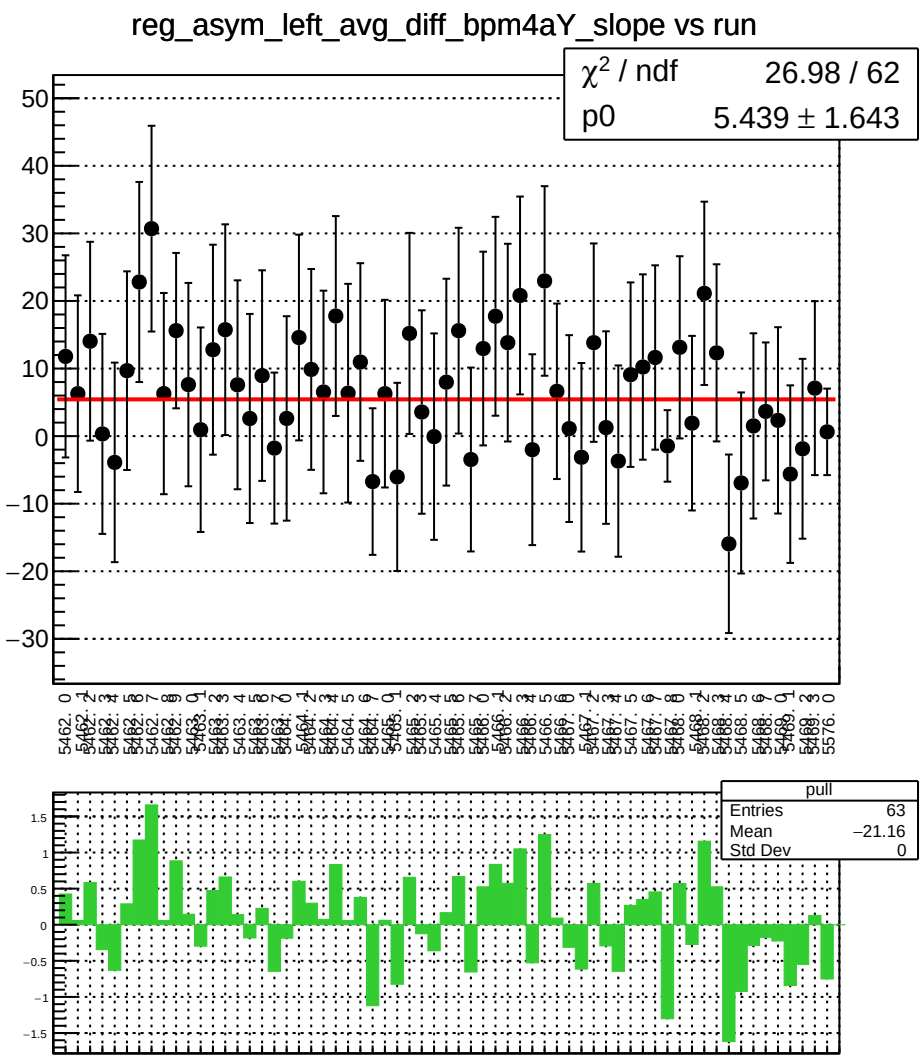

pull1D
Entries 63
Mean 0.02808
Std Dev 0.943

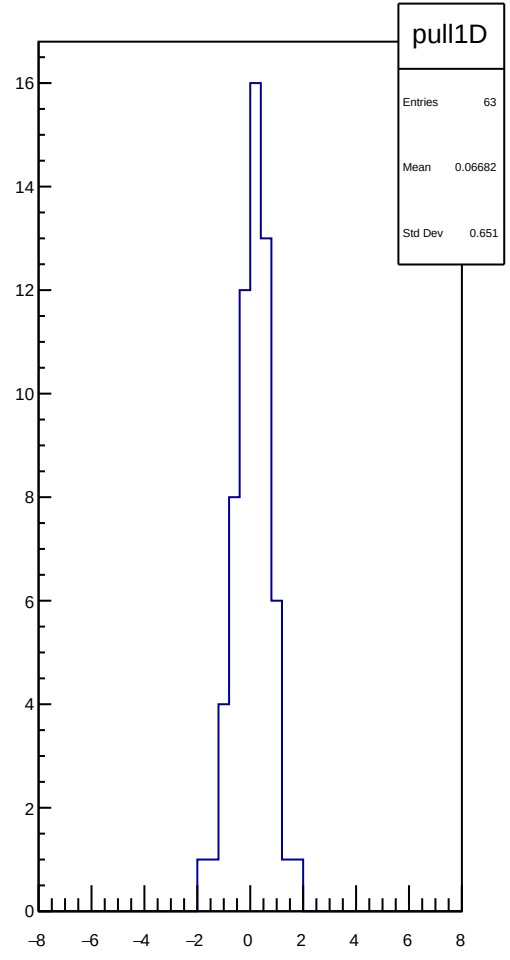

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 74.9 / 62
p0 −0.001862 ± 0.01349
pull
Entries 63
Mean −233.2
Std Dev 0

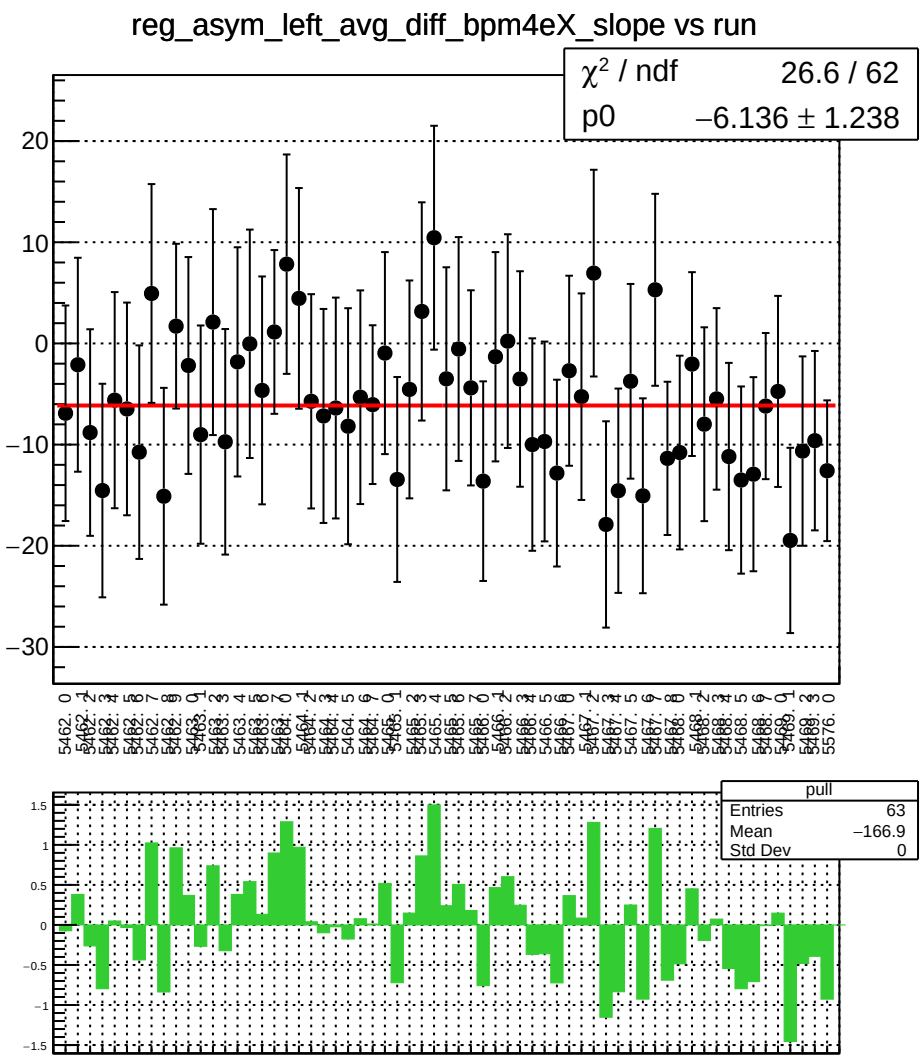

pull1D
Entries 63
Mean 0.01776
Std Dev 1.09

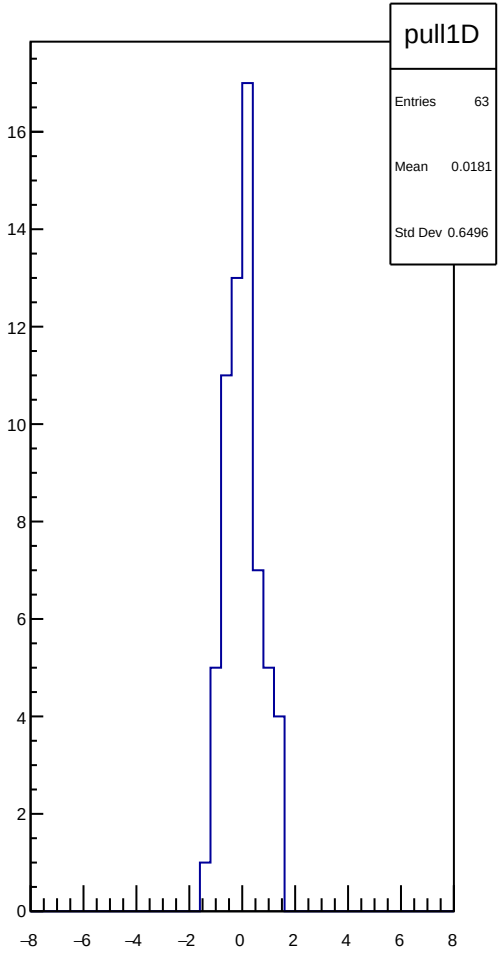

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 24.19 / 62
p0 −20.24 ± 1.578
pull
Entries 63
Mean −187.2
Std Dev 0

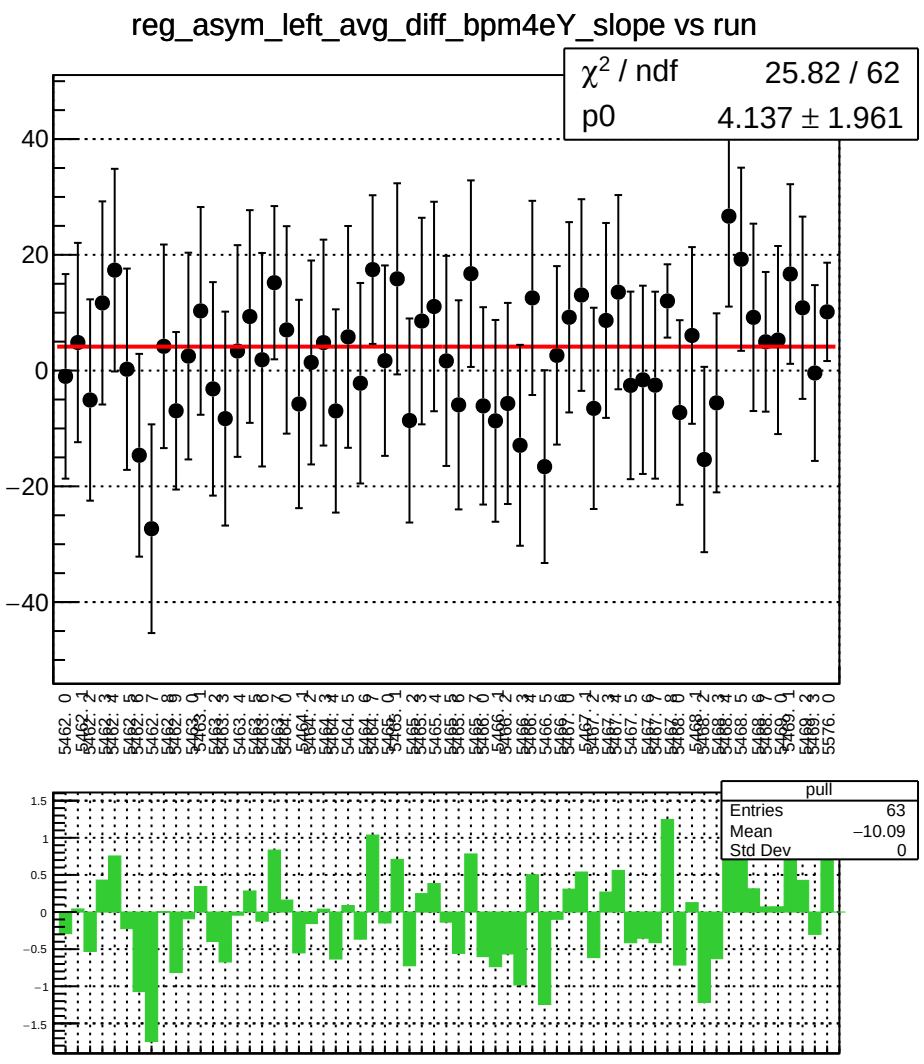

pull1D
Entries 63
Mean −0.01386
Std Dev 0.6194

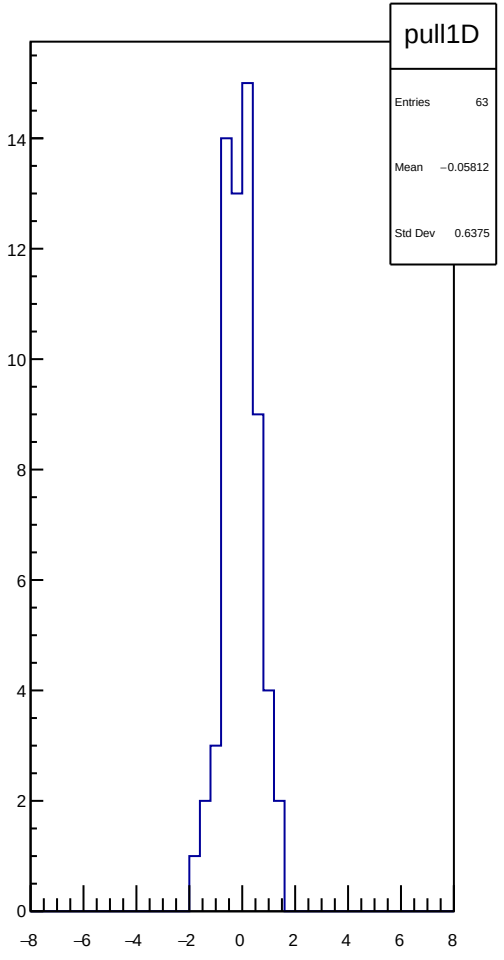

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.98 / 62
p0 5.439 ± 1.643
pull
Entries 63
Mean −21.16
Std Dev 0

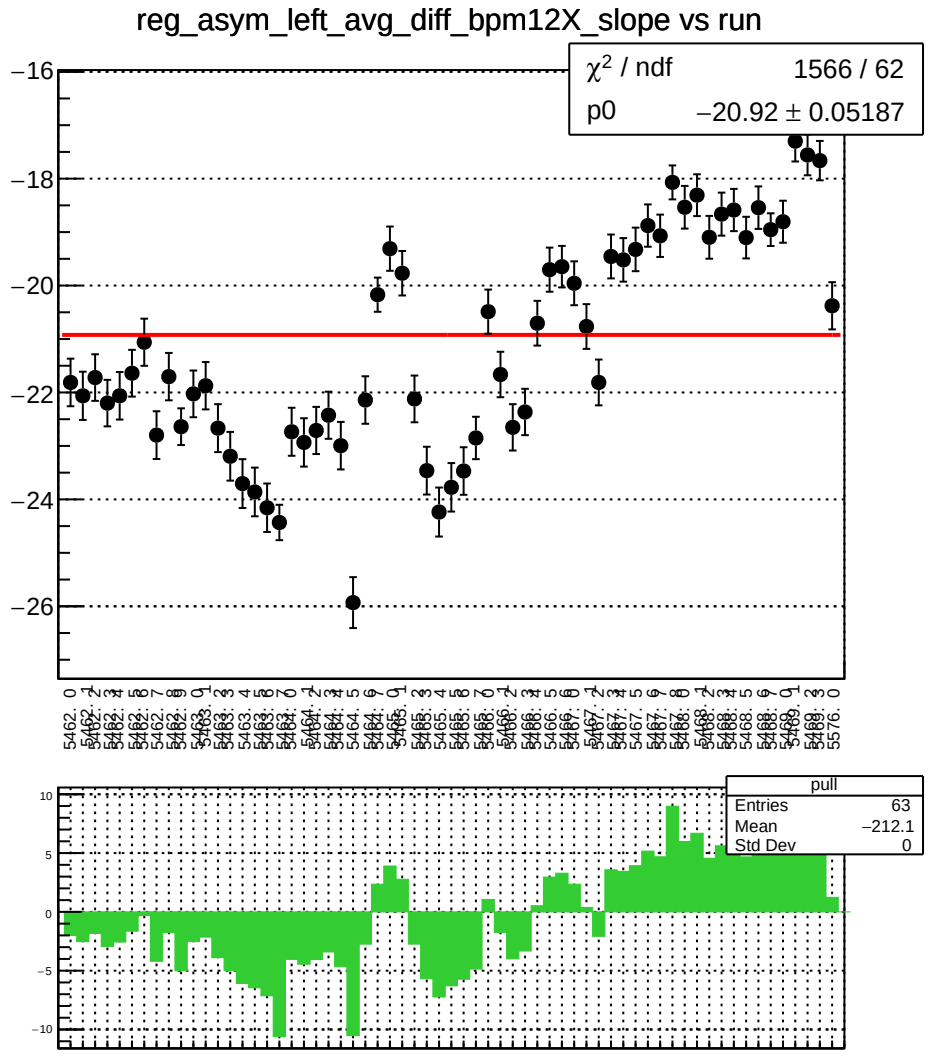

pull1D
Entries 63
Mean 0.06682
Std Dev 0.651

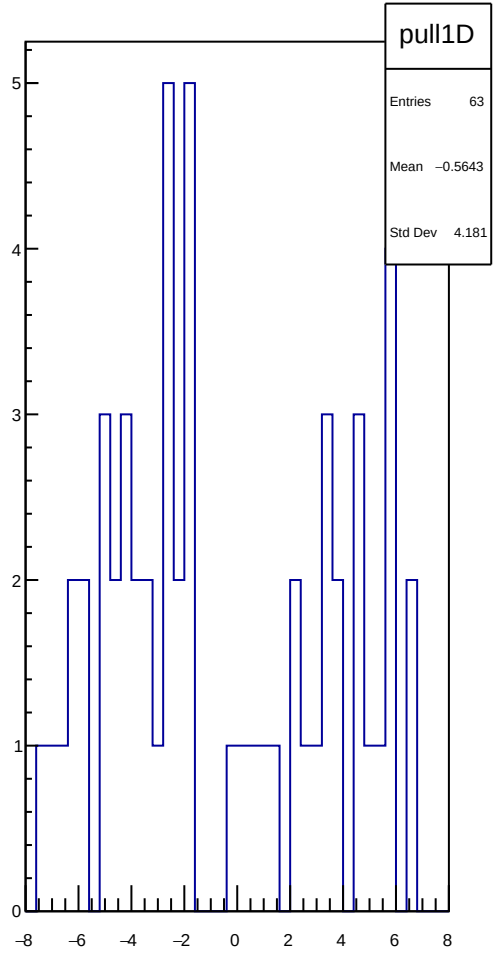

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.6 / 62
p0 −6.136 ± 1.238
pull
Entries 63
Mean −166.9
Std Dev 0

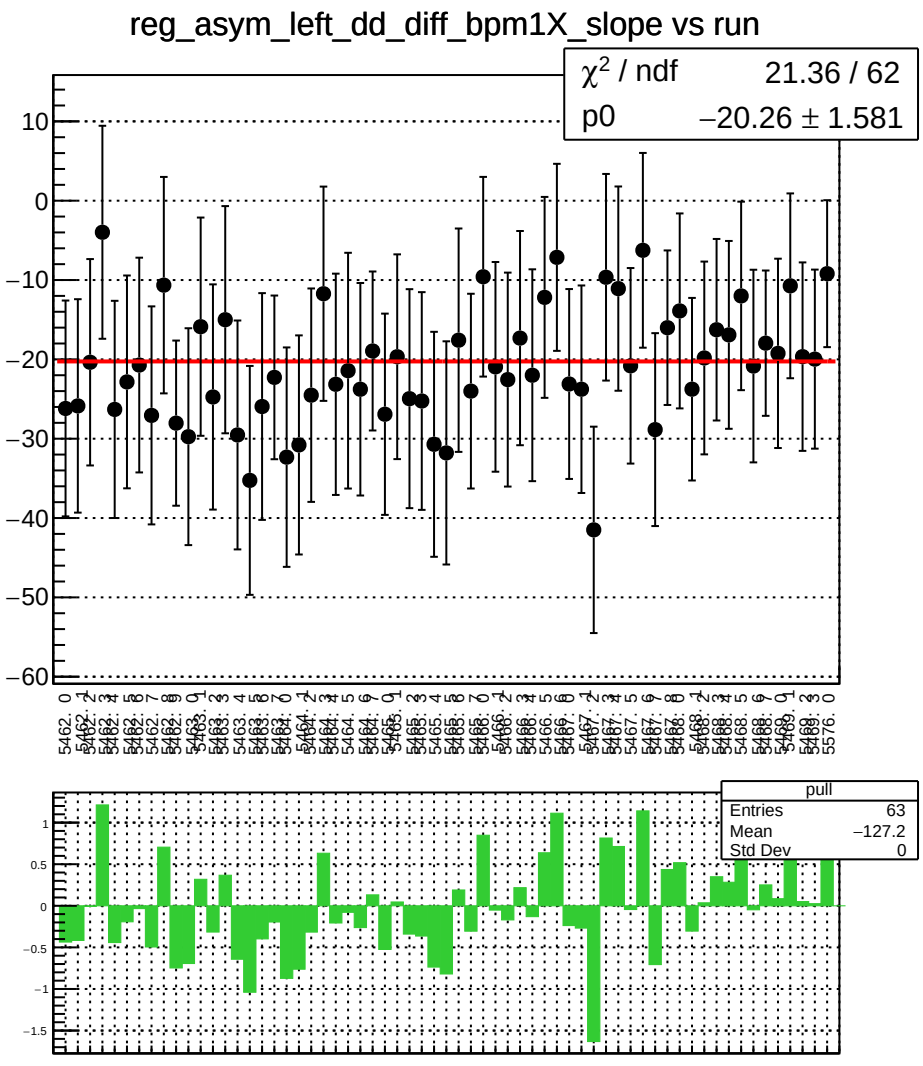

pull1D
Entries 63
Mean 0.0181
Std Dev 0.6496

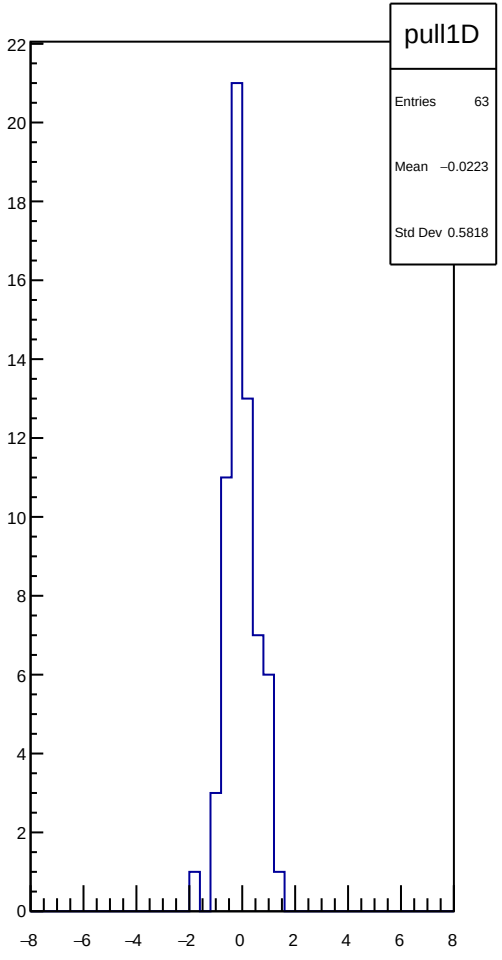

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.82 / 62
p0 4.137 ± 1.961
pull
Entries 63
Mean −10.09
Std Dev 0

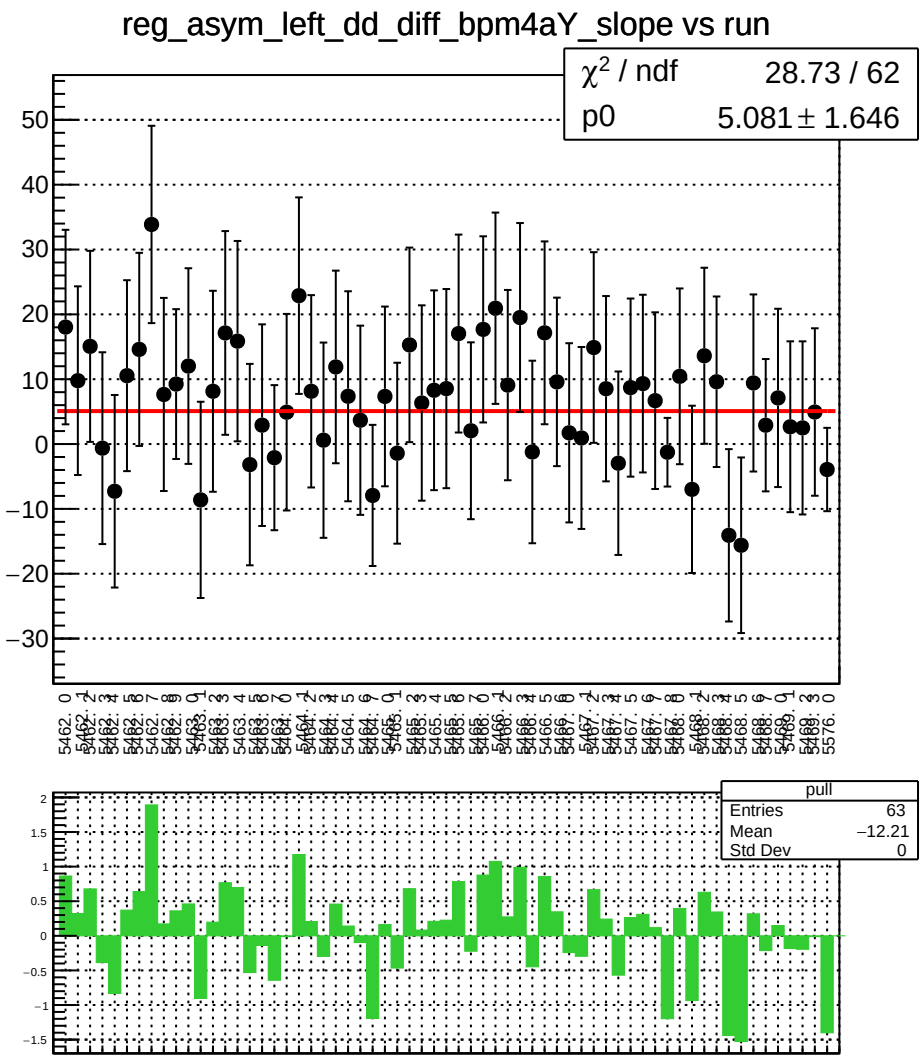

pull1D
Entries 63
Mean −0.05812
Std Dev 0.6375

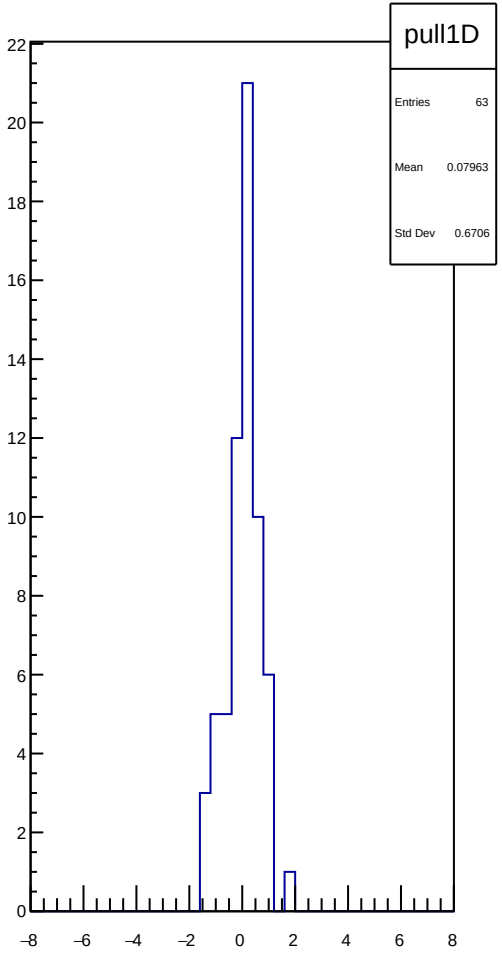

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 1566 / 62
p0 −20.92 ± 0.05187
pull
Entries 63
Mean −212.1
Std Dev 0

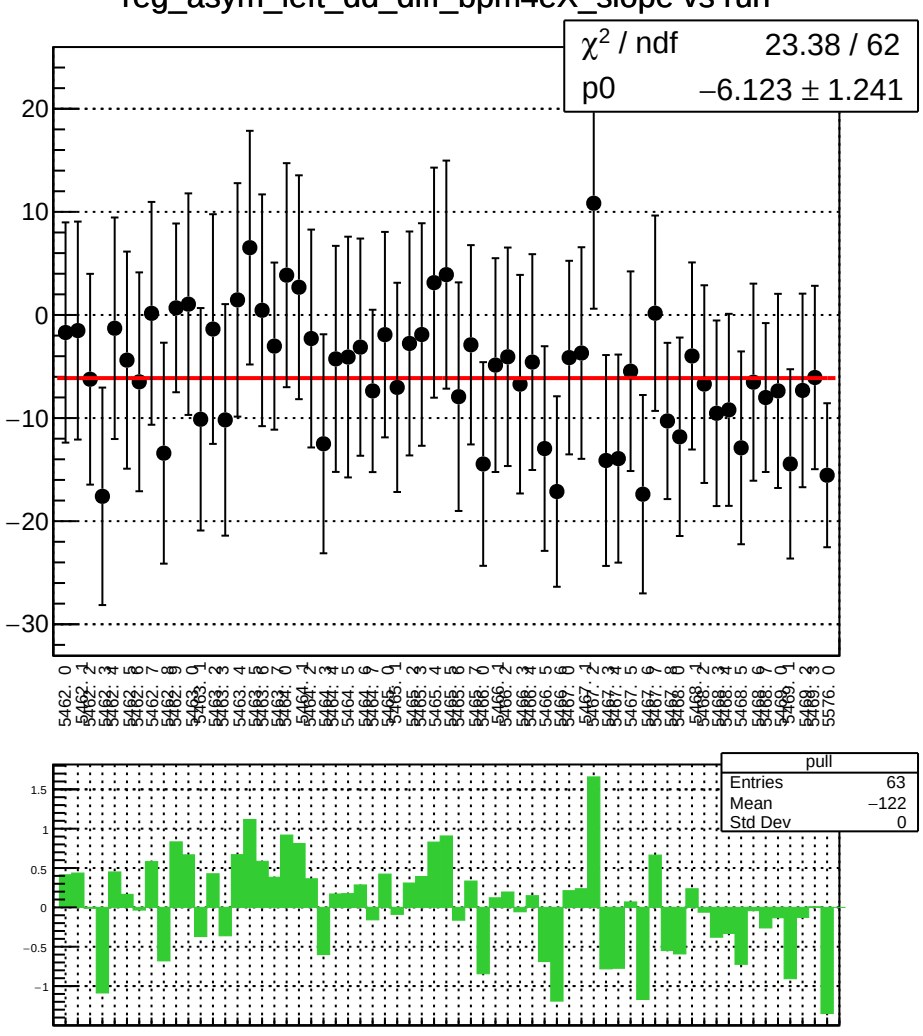

pull1D
Entries 63
Mean −0.5643
Std Dev 4.181

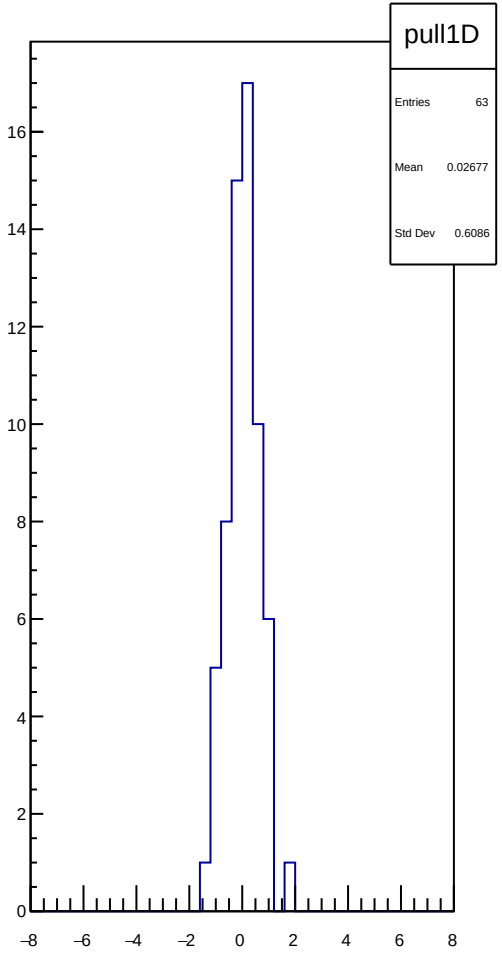

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 21.36 / 62
p0 −20.26 ± 1.581
pull
Entries 63
Mean −127.2
Std Dev 0

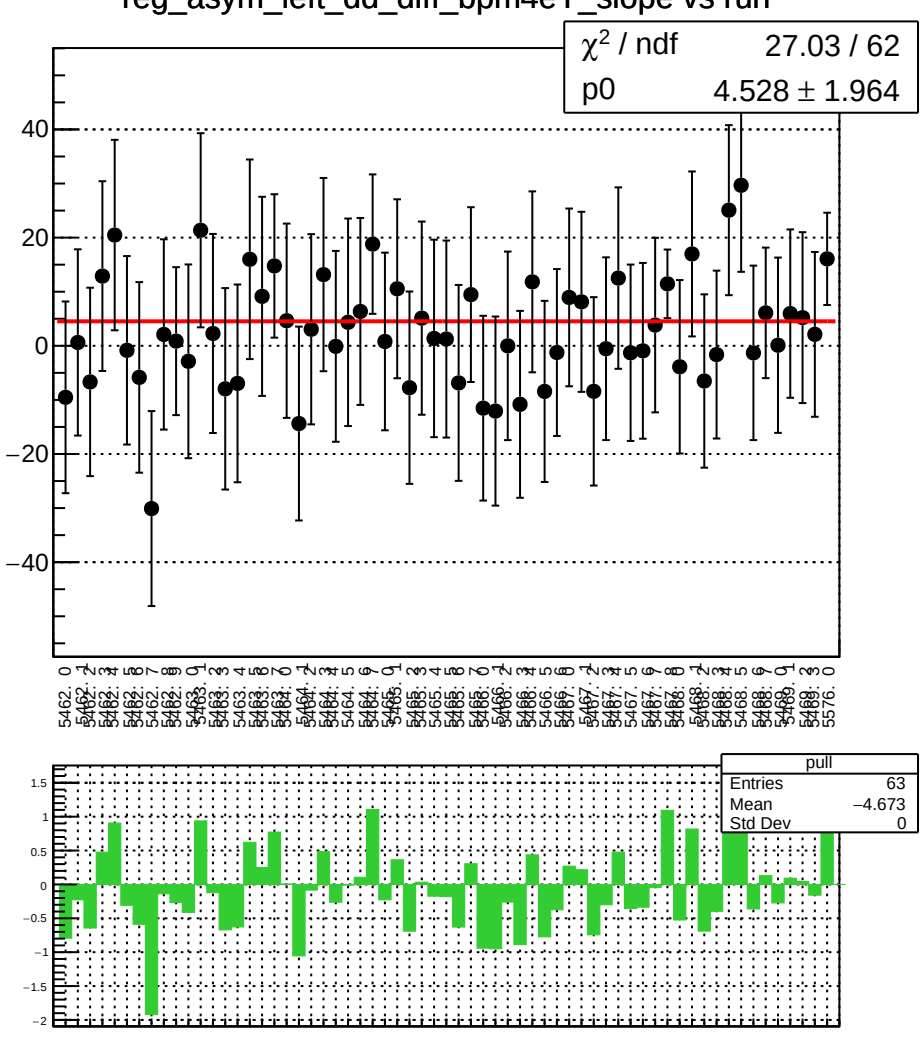

pull1D
Entries 63
Mean −0.0223
Std Dev 0.5818

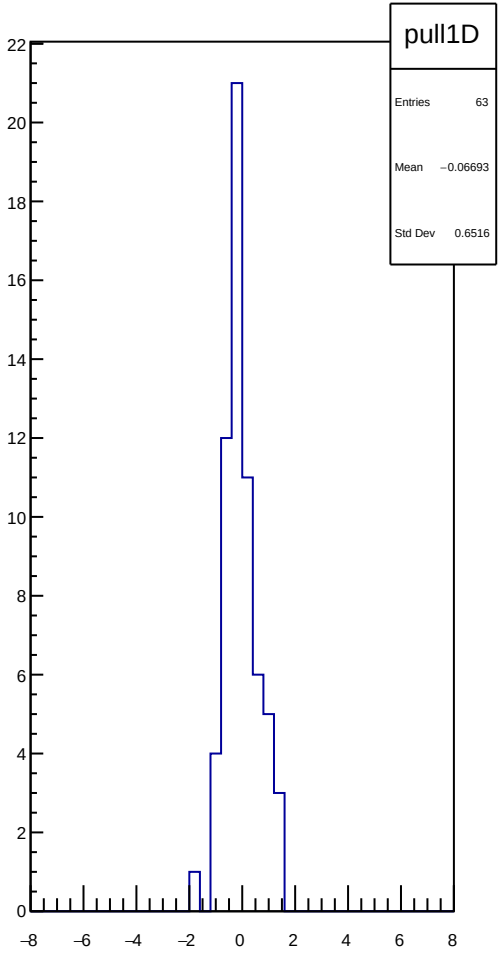

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.73 / 62
p0 5.081 ± 1.646
pull
Entries 63
Mean −12.21
Std Dev 0

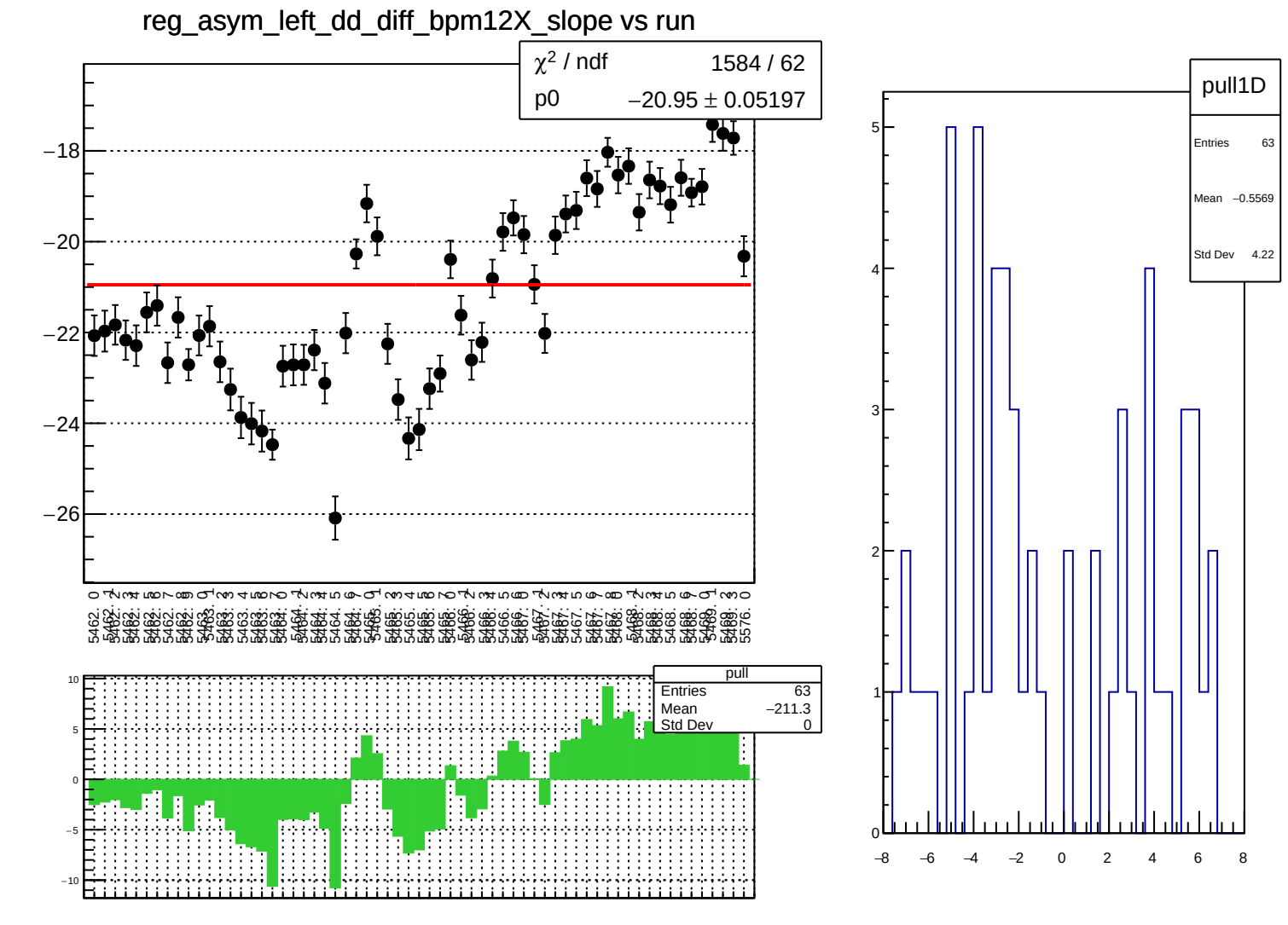

pull1D
Entries 63
Mean 0.07963
Std Dev 0.6706

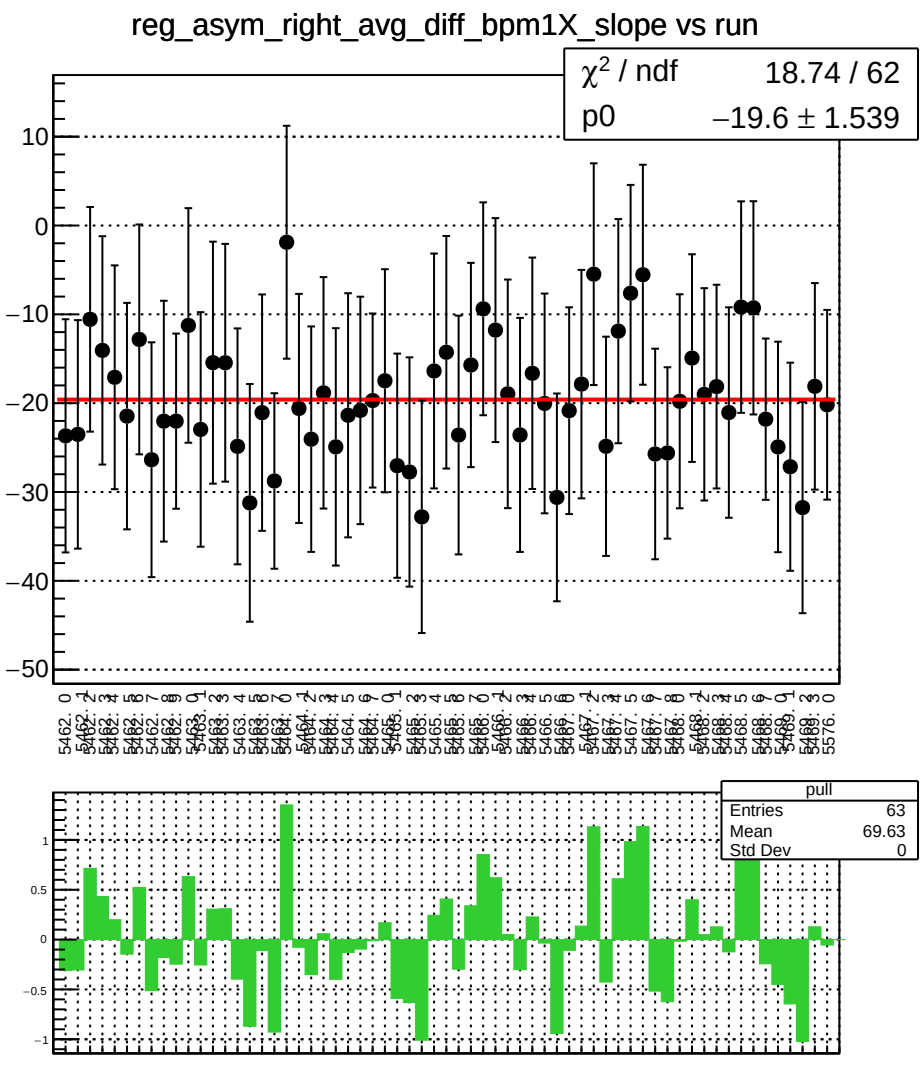

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.38 / 62
p0 −6.123 ± 1.241
pull
Entries 63
Mean −122
Std Dev 0

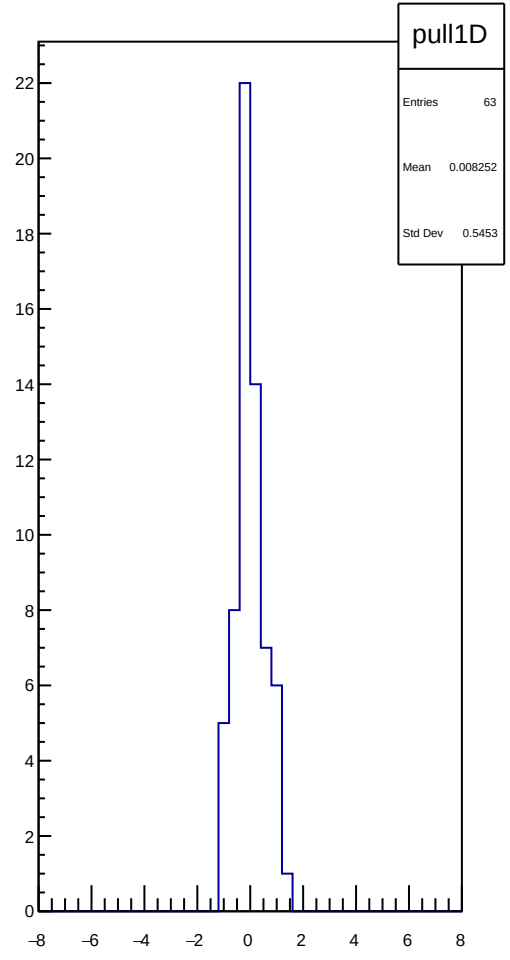

pull1D
Entries 63
Mean 0.02677
Std Dev 0.6086

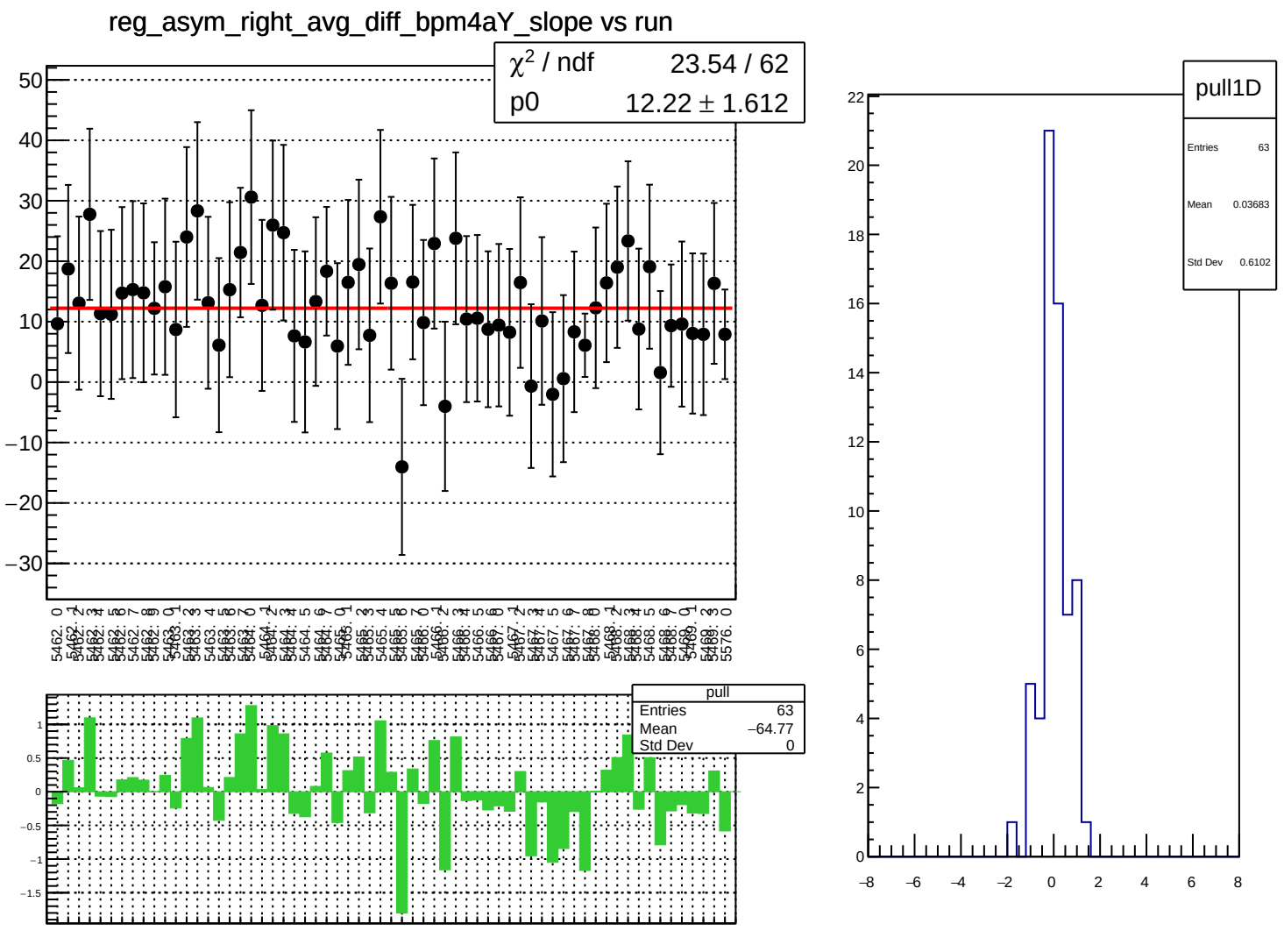

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.03 / 62
p0 4.528 ± 1.964
pull
Entries 63
Mean −4.673
Std Dev 0

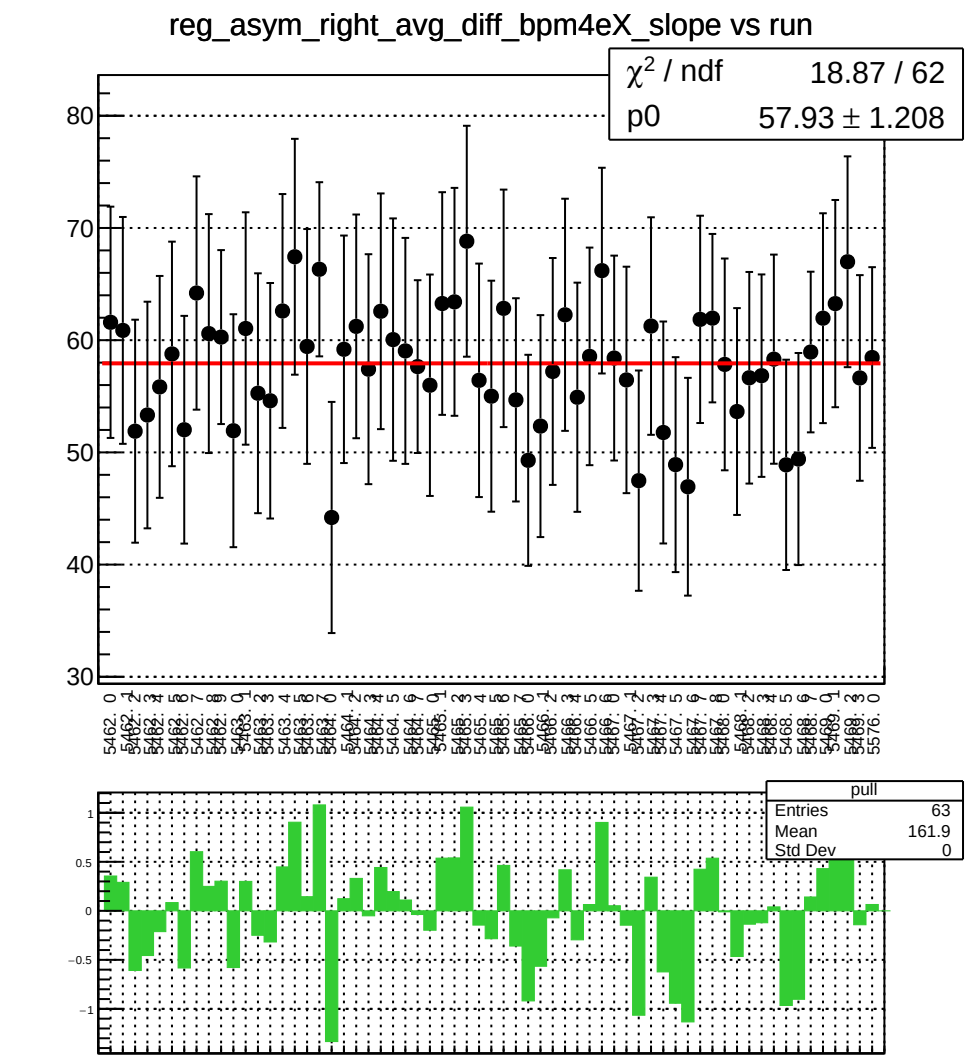

pull1D
Entries 63
Mean −0.06693
Std Dev 0.6516

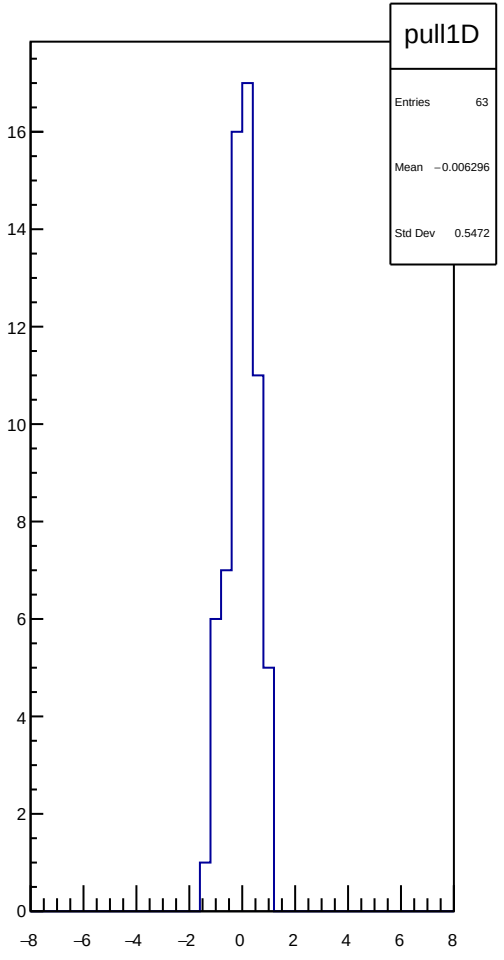

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1584 / 62
p0 −20.95 ± 0.05197
pull
Entries 63
Mean −211.3
Std Dev 0
pull1D
Entries 63
Mean −0.5569
Std Dev 4.22

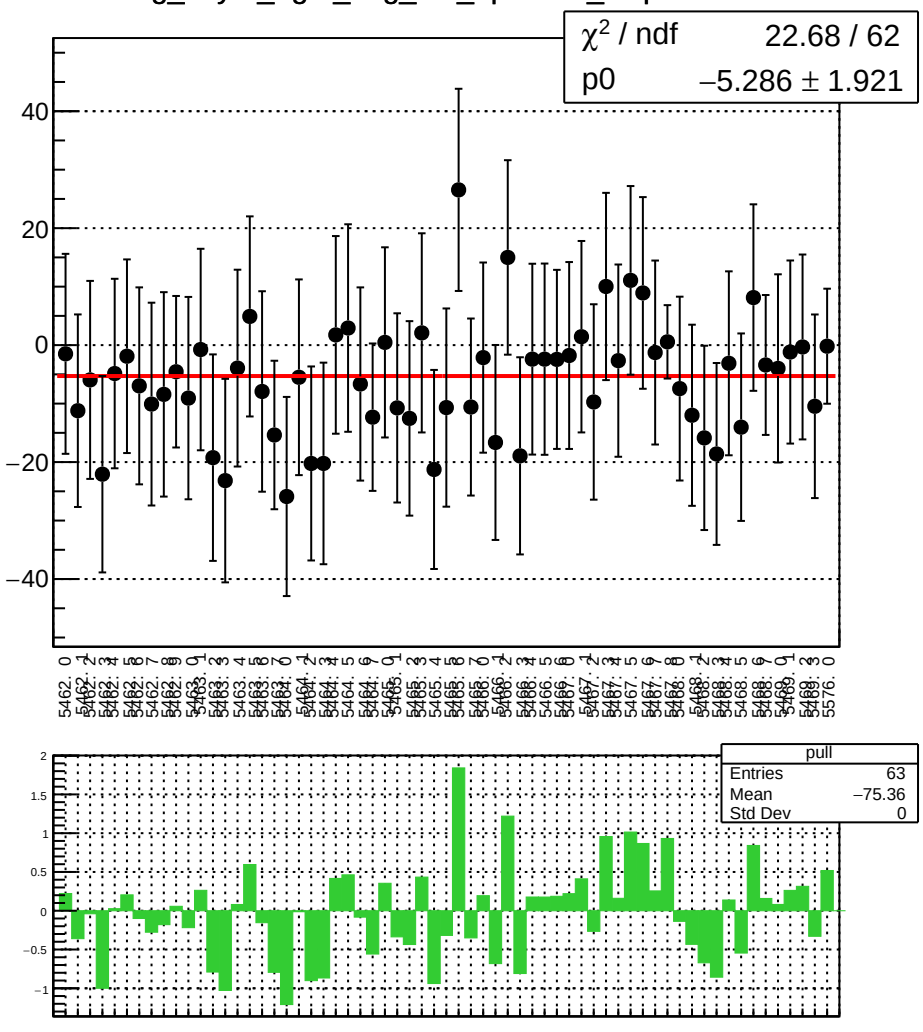

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 18.74 / 62
p0 −19.6 ± 1.539
pull
Entries 63
Mean 69.63
Std Dev 0

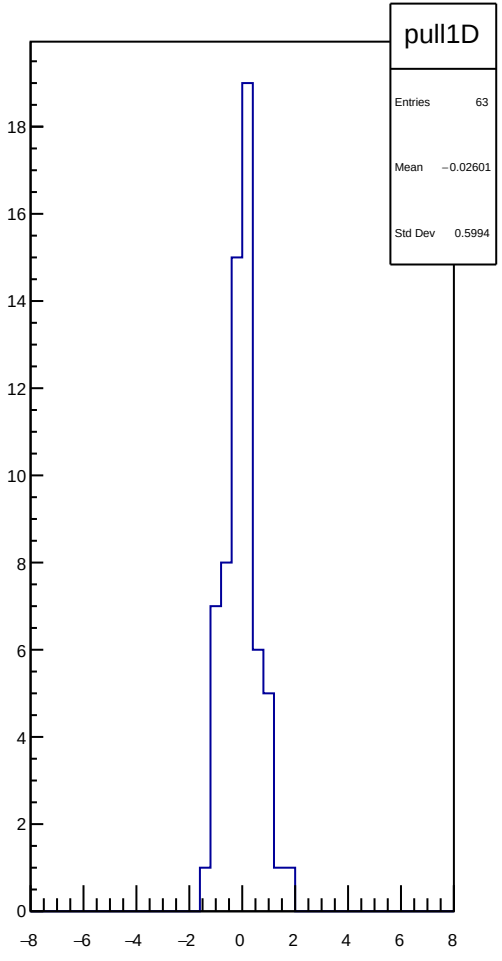

pull1D
Entries 63
Mean 0.008252
Std Dev 0.5453

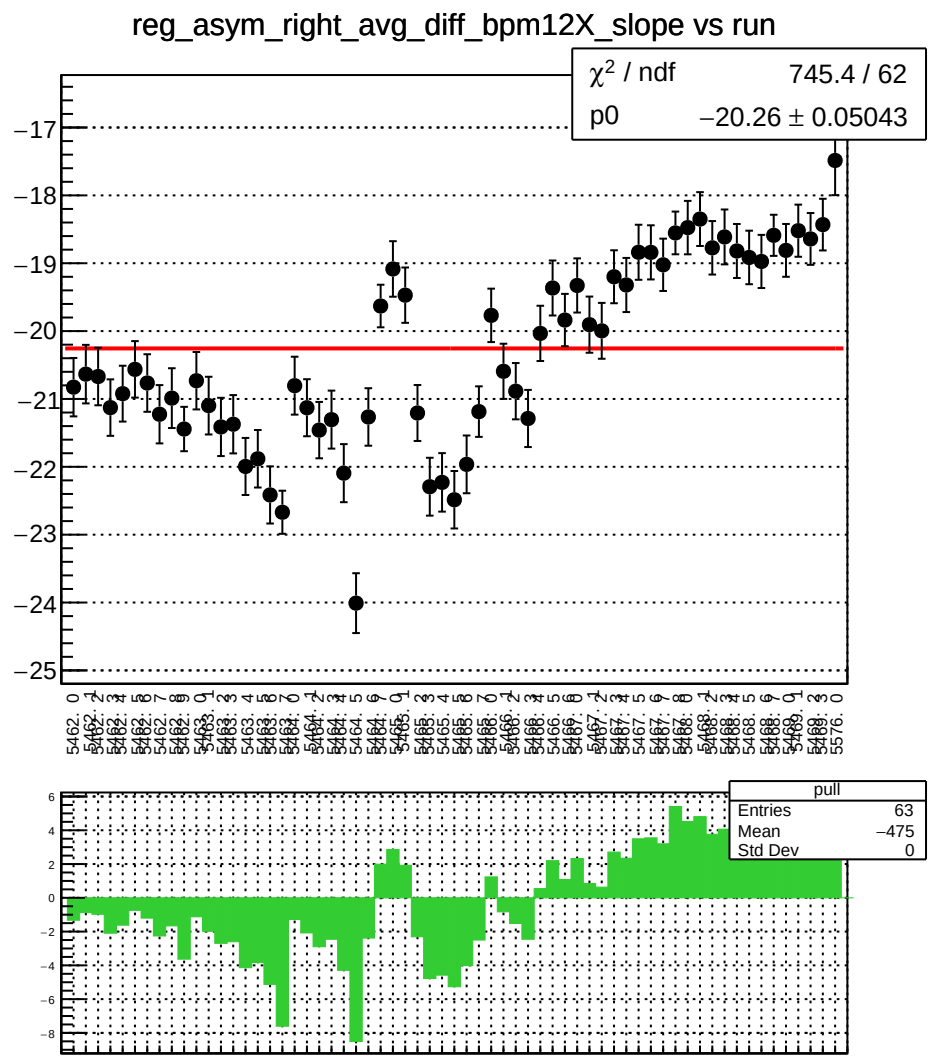

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.54 / 62
p0 12.22 ± 1.612
pull
Entries 63
Mean −64.77
Std Dev 0
pull1D
Entries 63
Mean 0.03683
Std Dev 0.6102

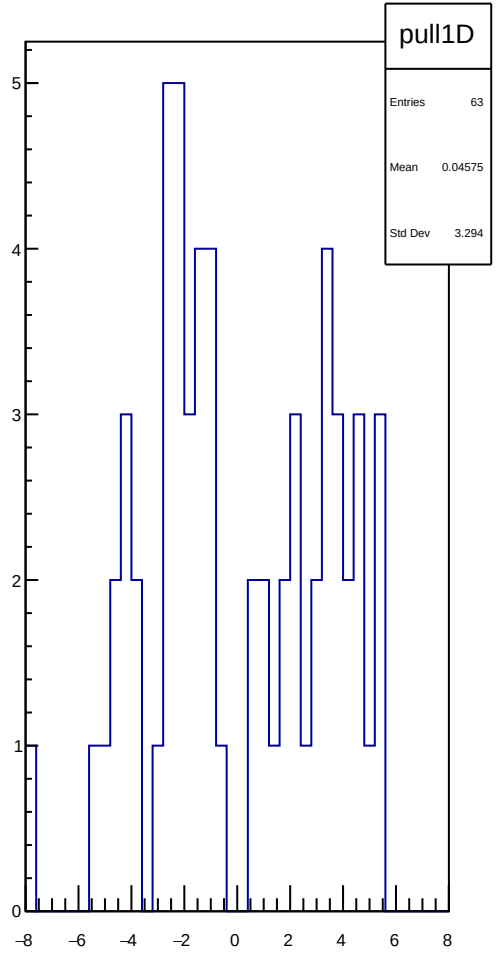

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.87 / 62
p0 57.93 ± 1.208
pull
Entries 63
Mean 161.9
Std Dev 0

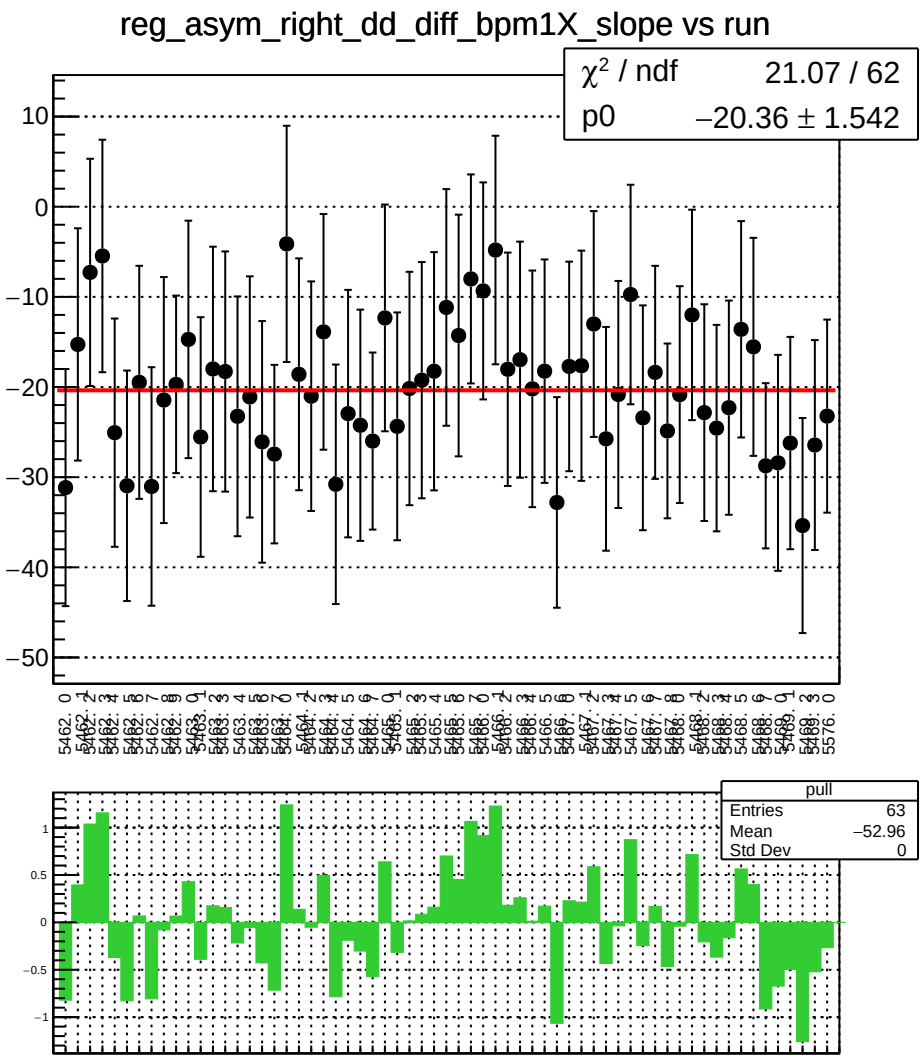

pull1D
Entries 63
Mean −0.006296
Std Dev 0.5472

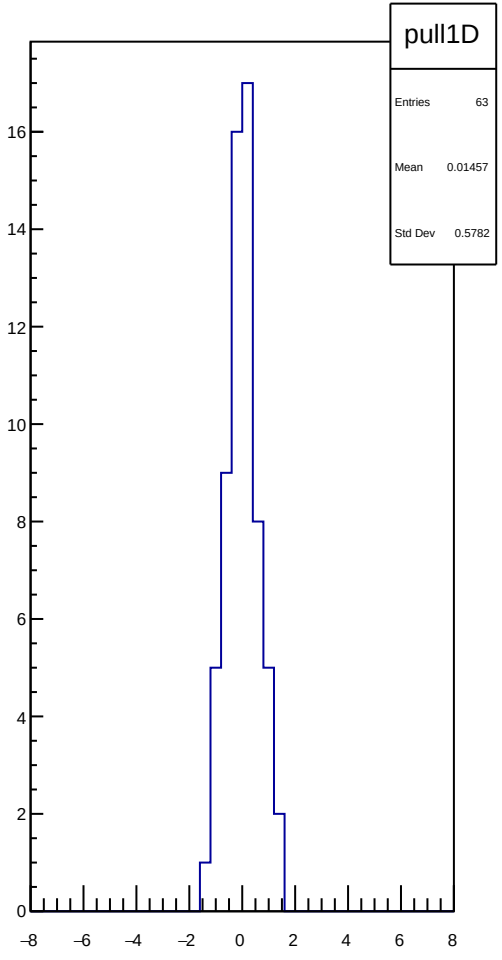

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.68 / 62
p0 −5.286 ± 1.921
pull
Entries 63
Mean −75.36
Std Dev 0

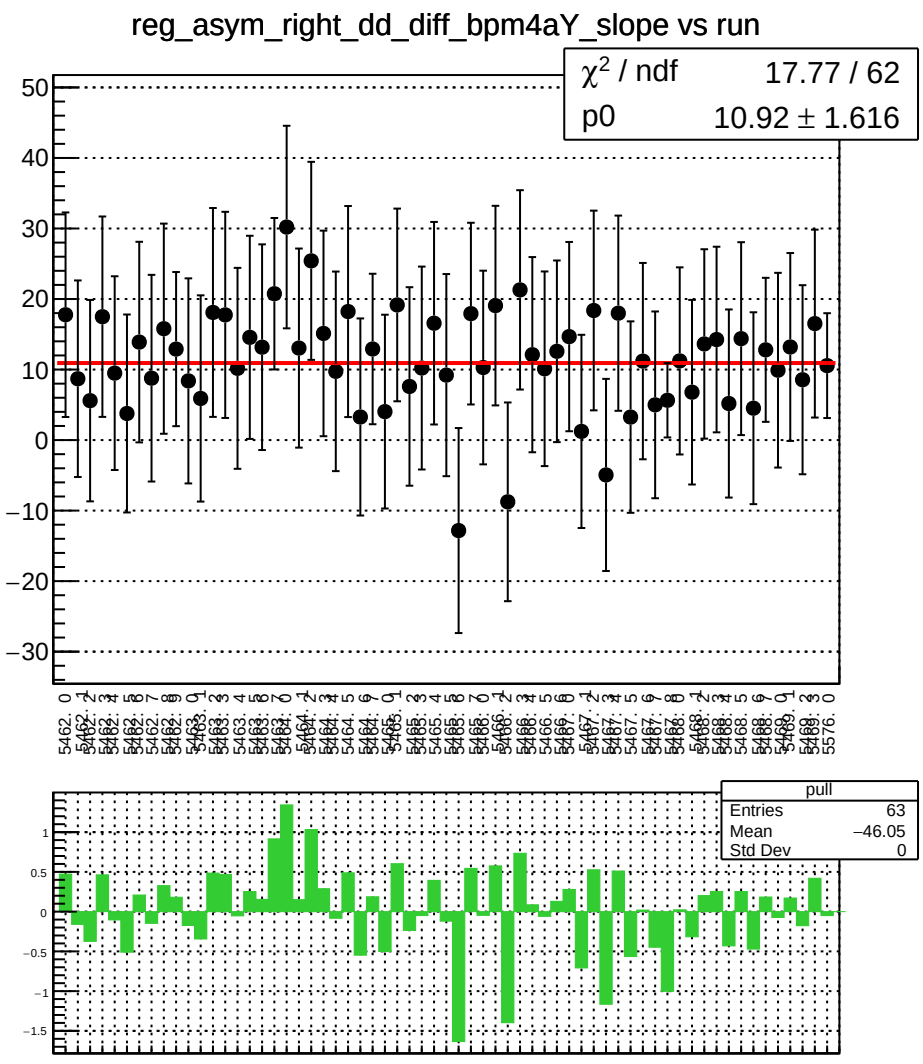

pull1D
Entries 63
Mean −0.02601
Std Dev 0.5994

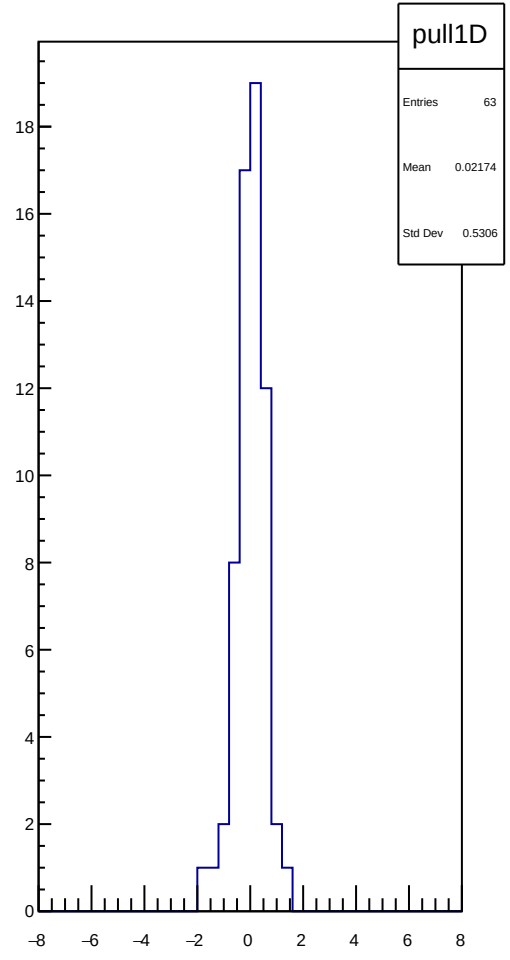

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 745.4 / 62
p0 −20.26 ± 0.05043
pull
Entries 63
Mean −475
Std Dev 0

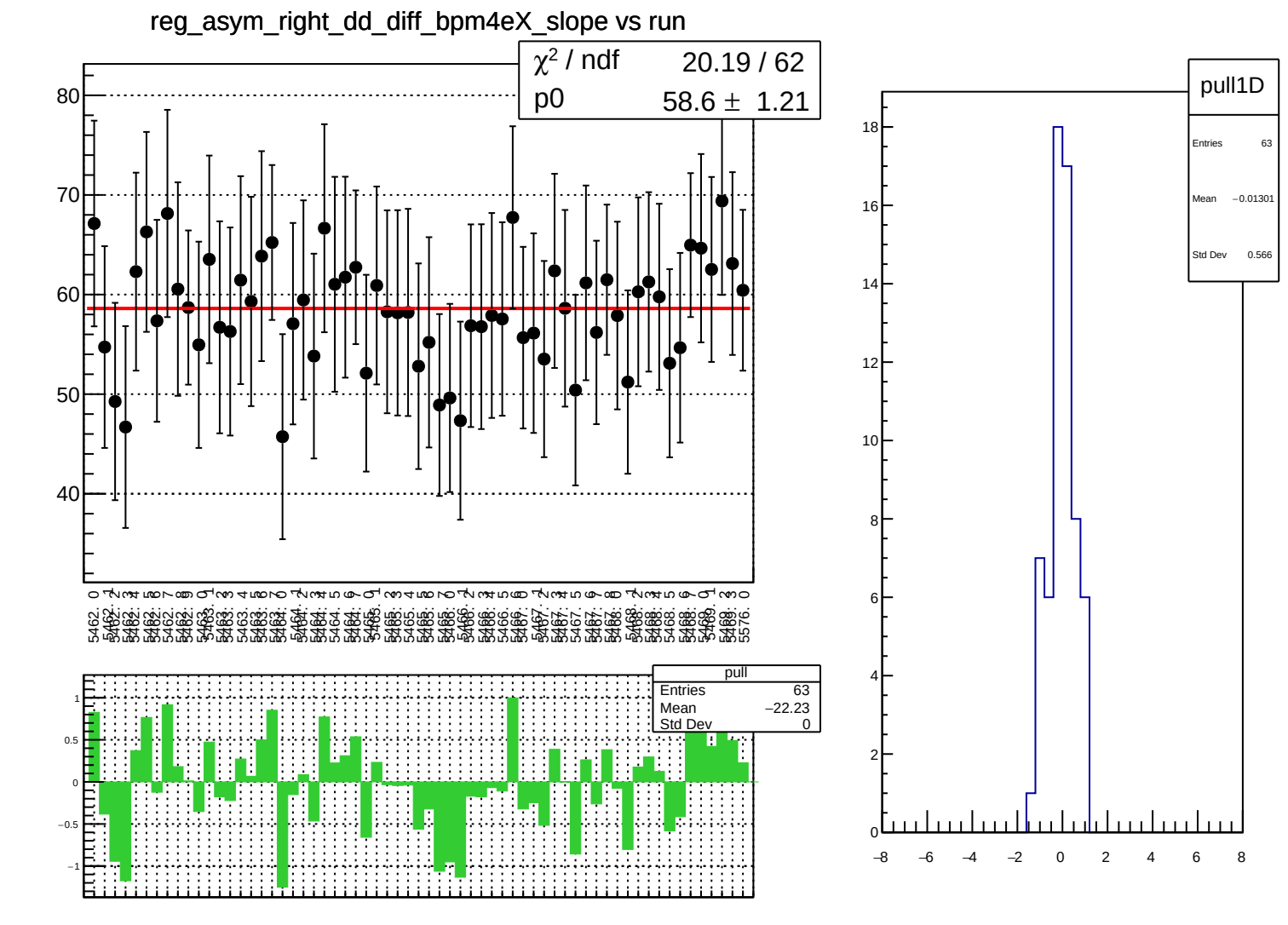

pull1D
Entries 63
Mean 0.04575
Std Dev 3.294

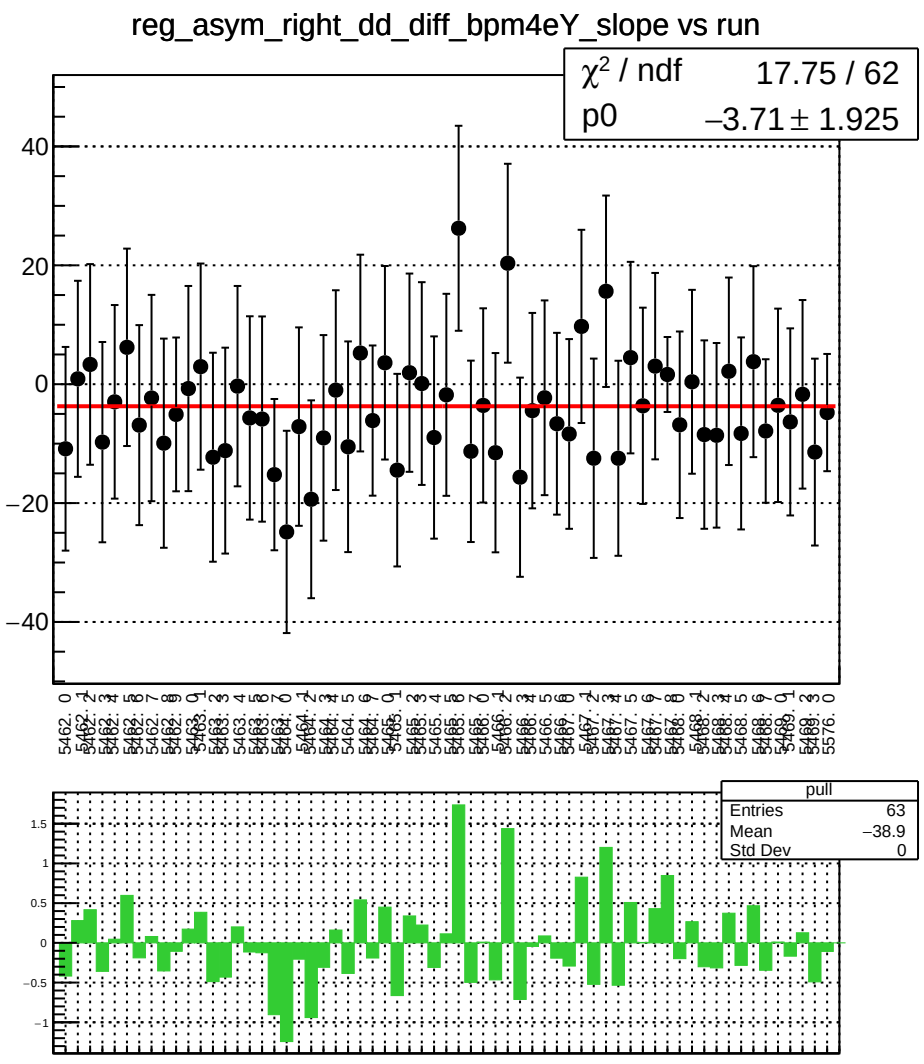

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 21.07 / 62
p0 −20.36 ± 1.542
pull
Entries 63
Mean −52.96
Std Dev 0

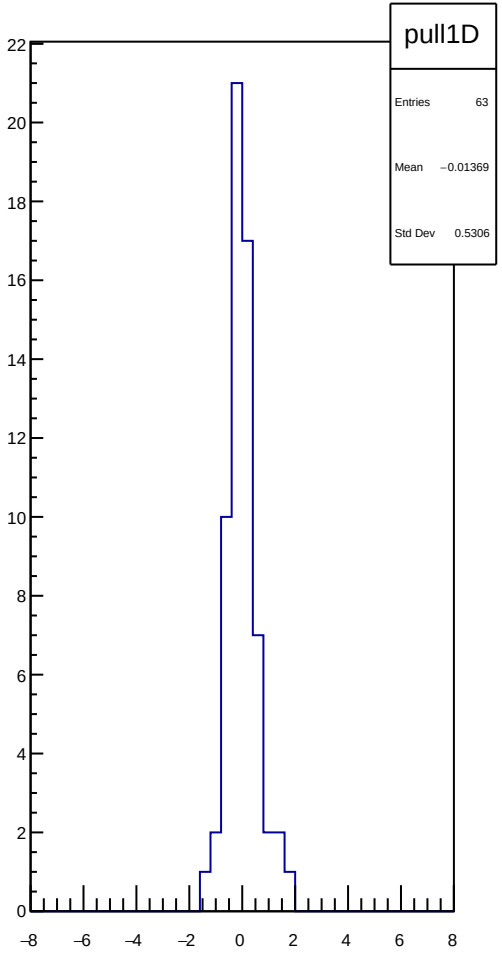

pull1D
Entries 63
Mean 0.01457
Std Dev 0.5782

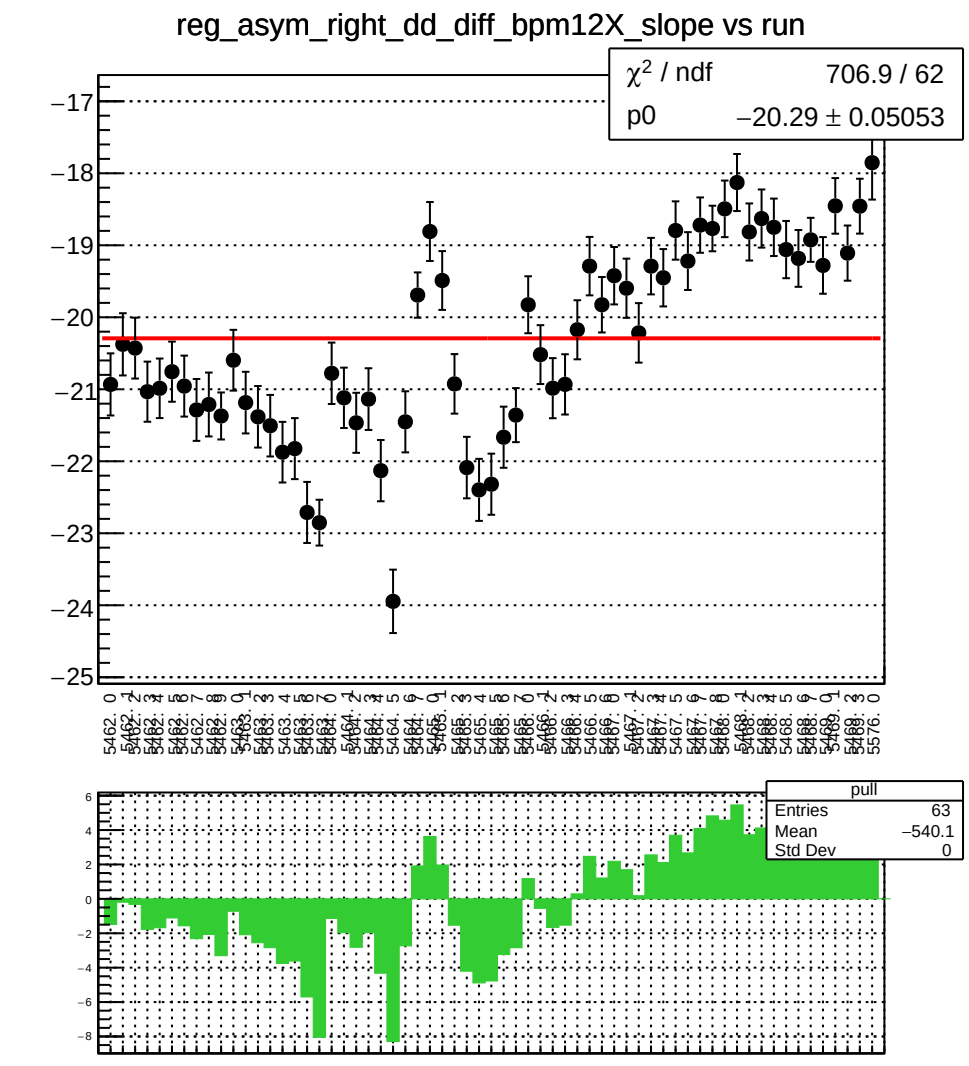

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.77 / 62
p0 10.92 ± 1.616
pull
Entries 63
Mean −46.05
Std Dev 0

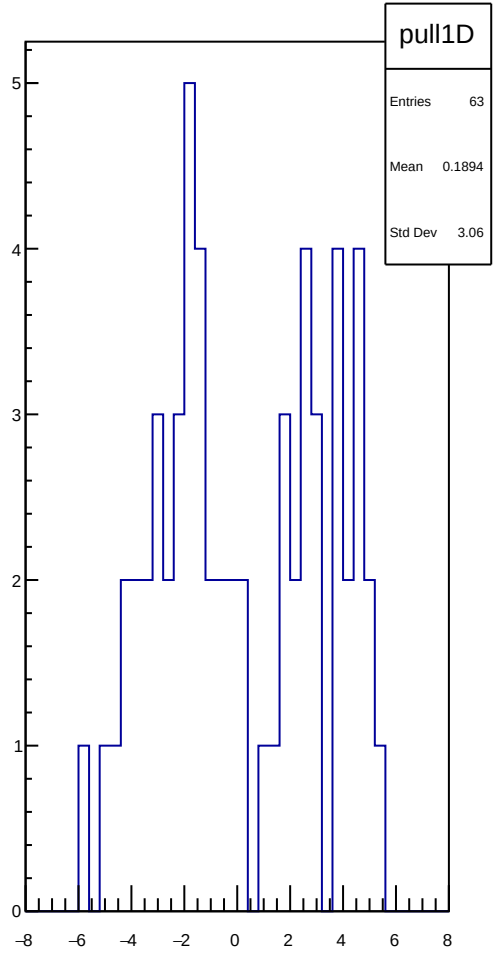

pull1D
Entries 63
Mean 0.02174
Std Dev 0.5306

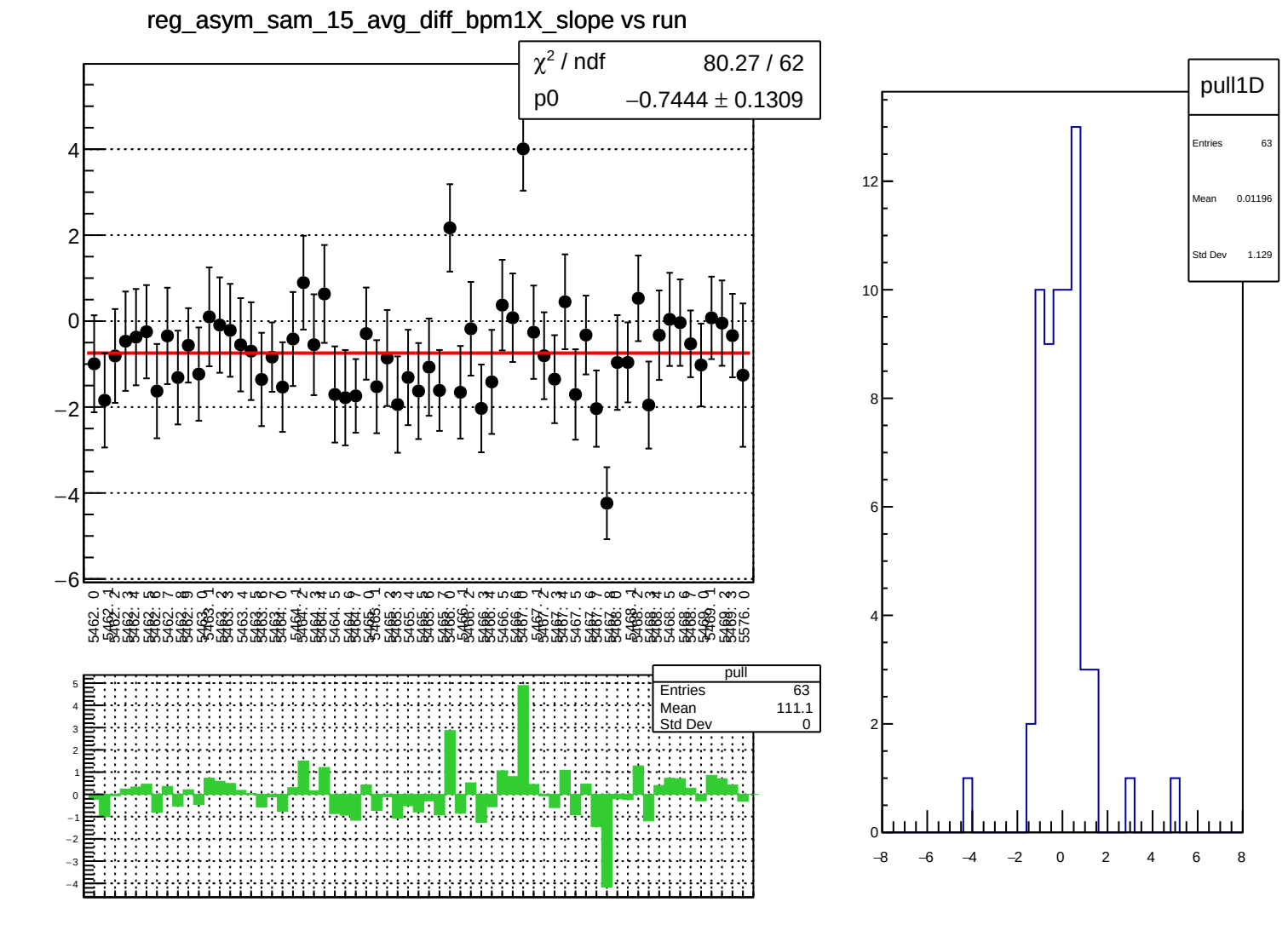

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.19 / 62
p0 58.6 ± 1.21
pull
Entries 63
Mean −22.23
Std Dev 0
pull1D
Entries 63
Mean −0.01301
Std Dev 0.566

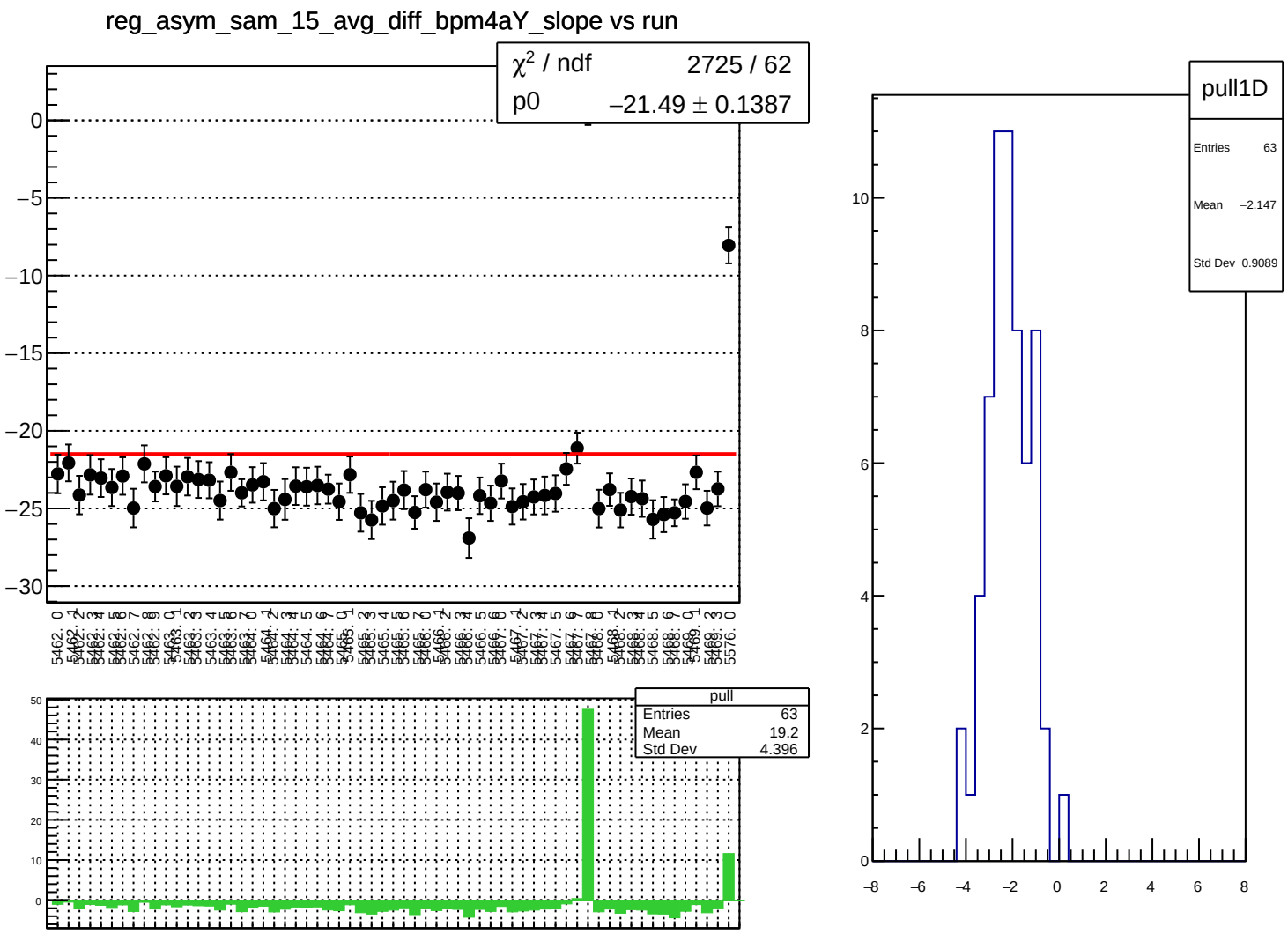

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.75 / 62
p0 −3.71 ± 1.925
pull
Entries 63
Mean −38.9
Std Dev 0

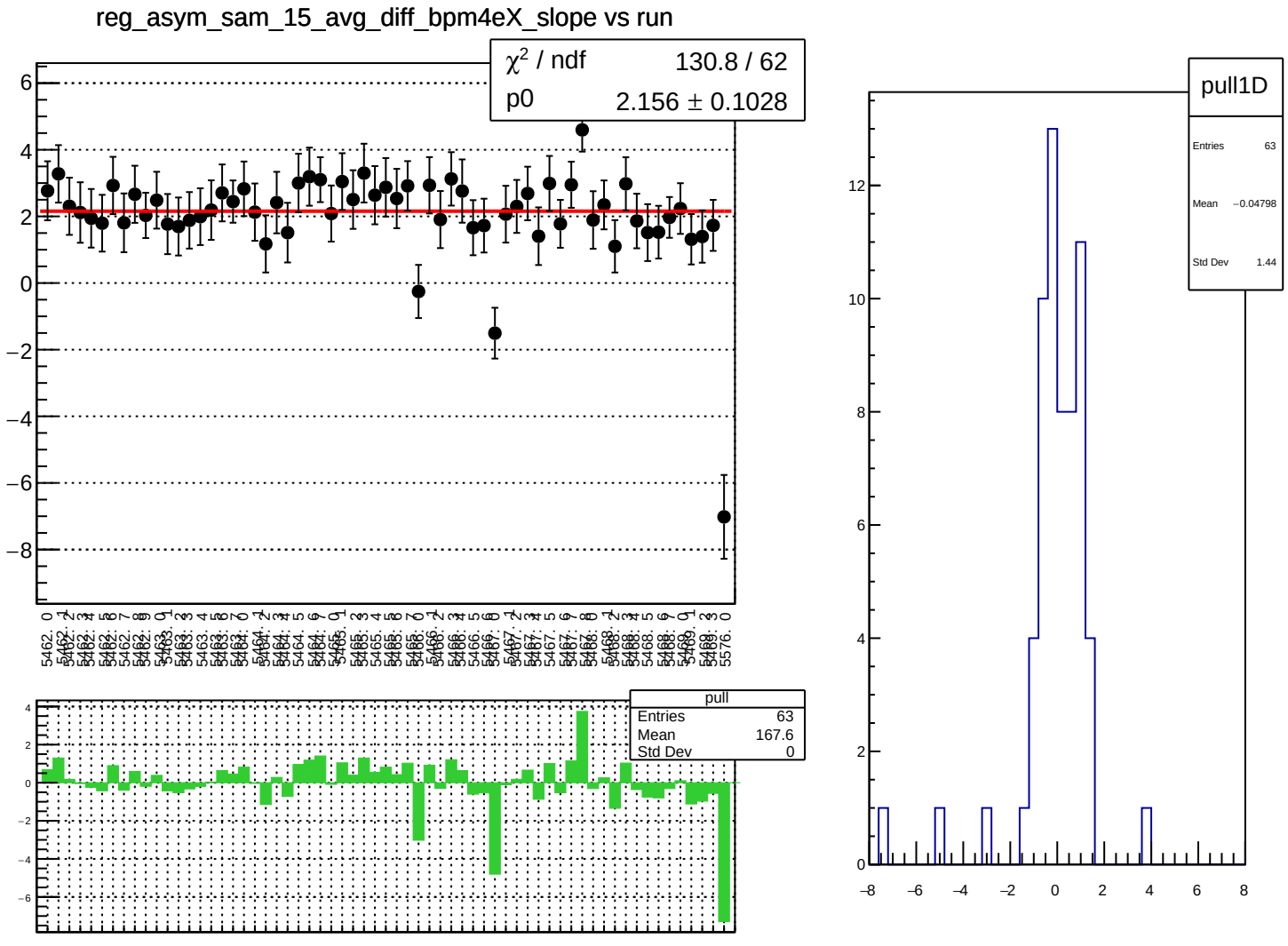

pull1D
Entries 63
Mean −0.01369
Std Dev 0.5306

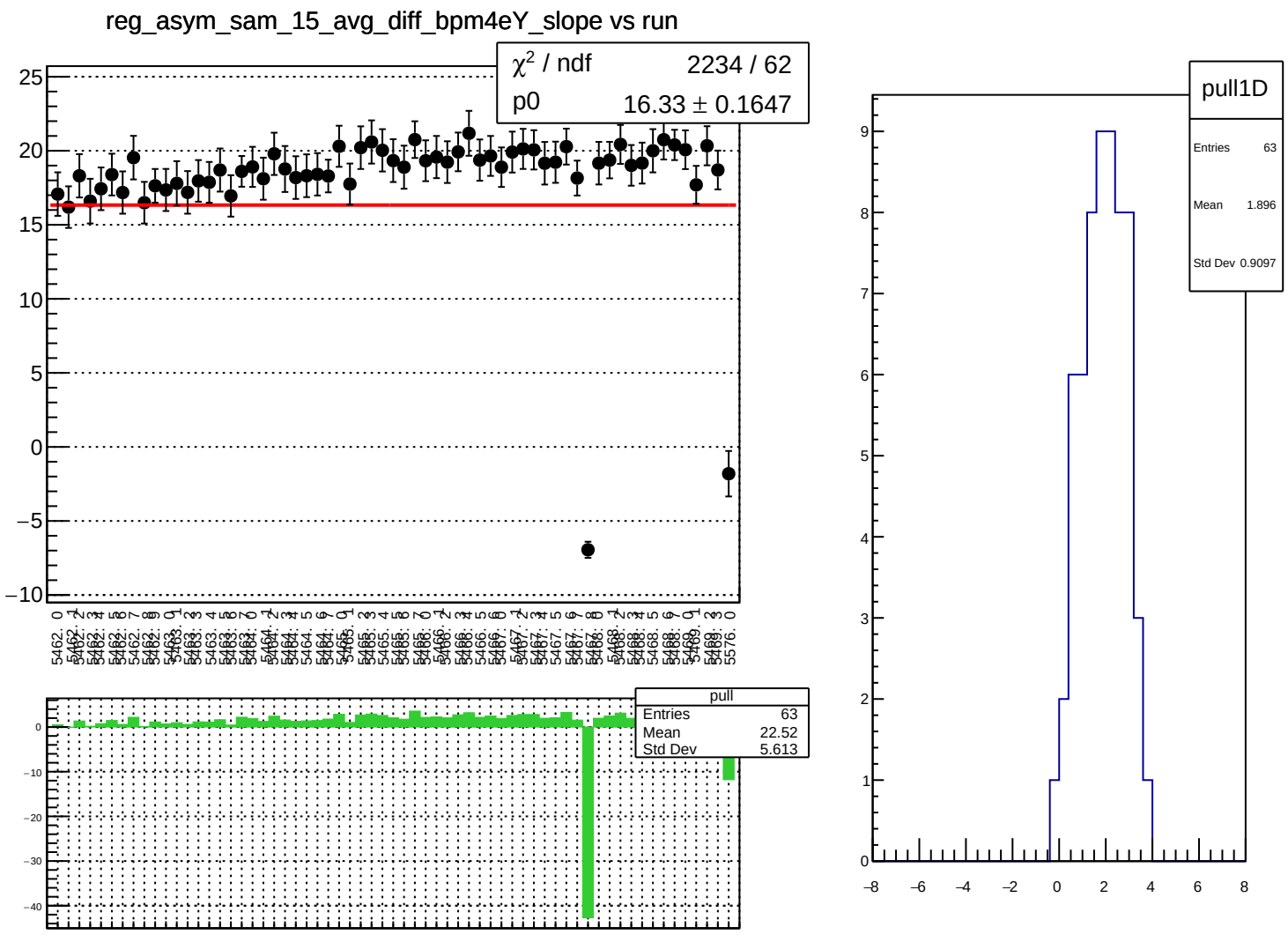

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 706.9 / 62
p0 −20.29 ± 0.05053
pull
Entries 63
Mean −540.1
Std Dev 0

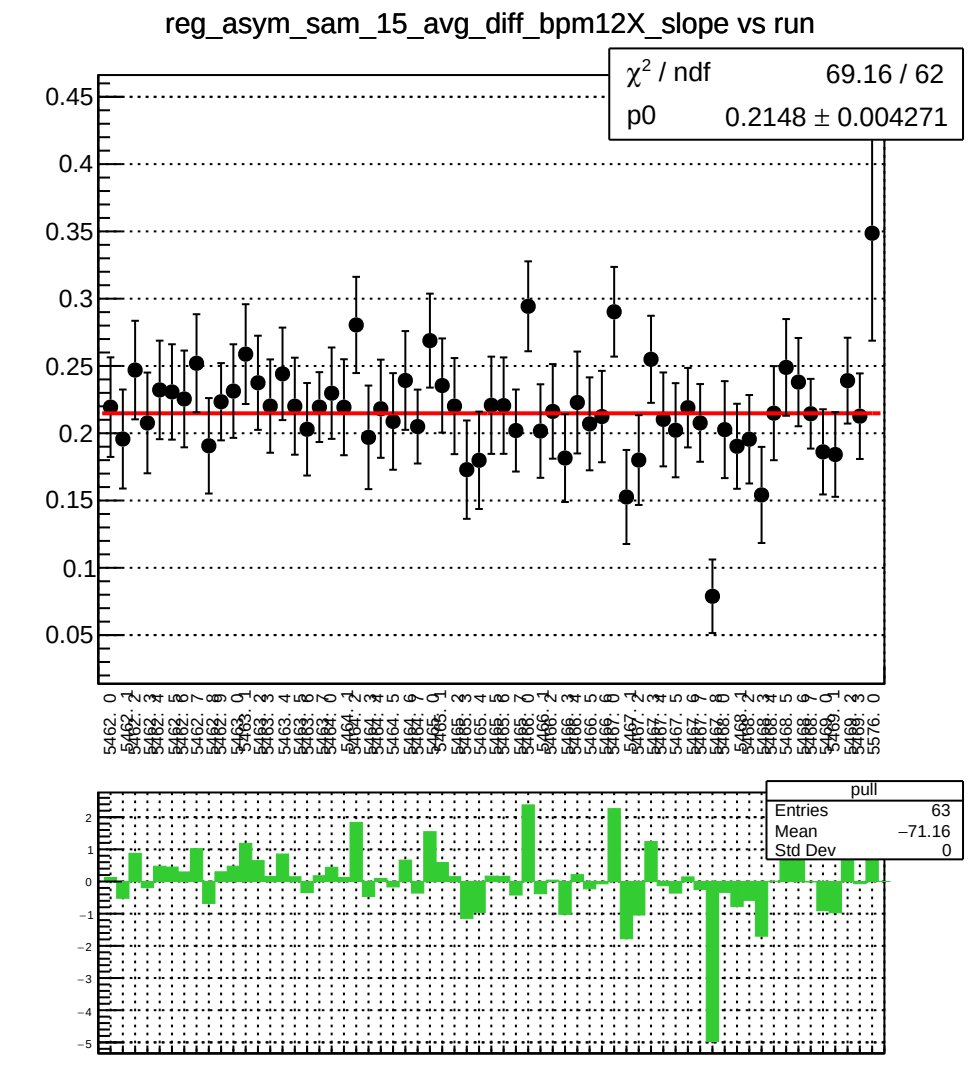

pull1D
Entries 63
Mean 0.1894
Std Dev 3.06

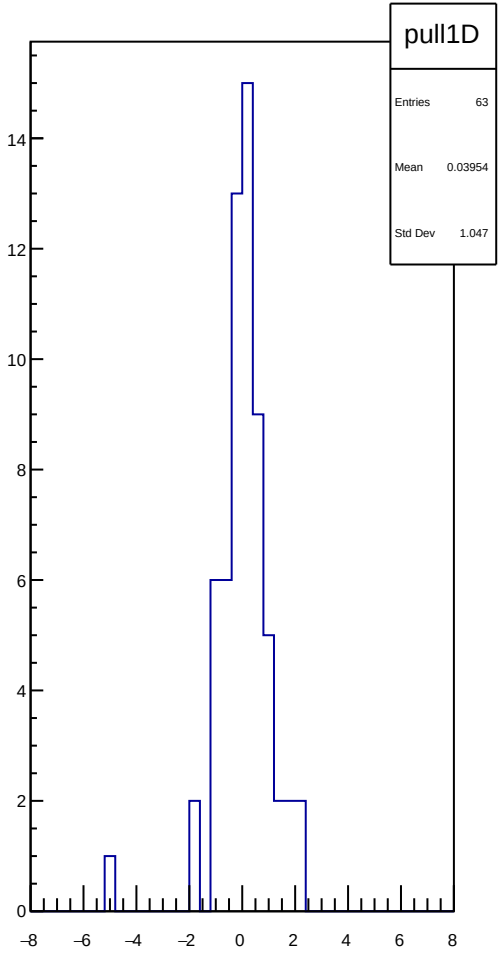

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 80.27 / 62
p0 −0.7444 ± 0.1309
pull
Entries 63
Mean 111.1
Std Dev 0
pull1D
Entries 63
Mean 0.01196
Std Dev 1.129

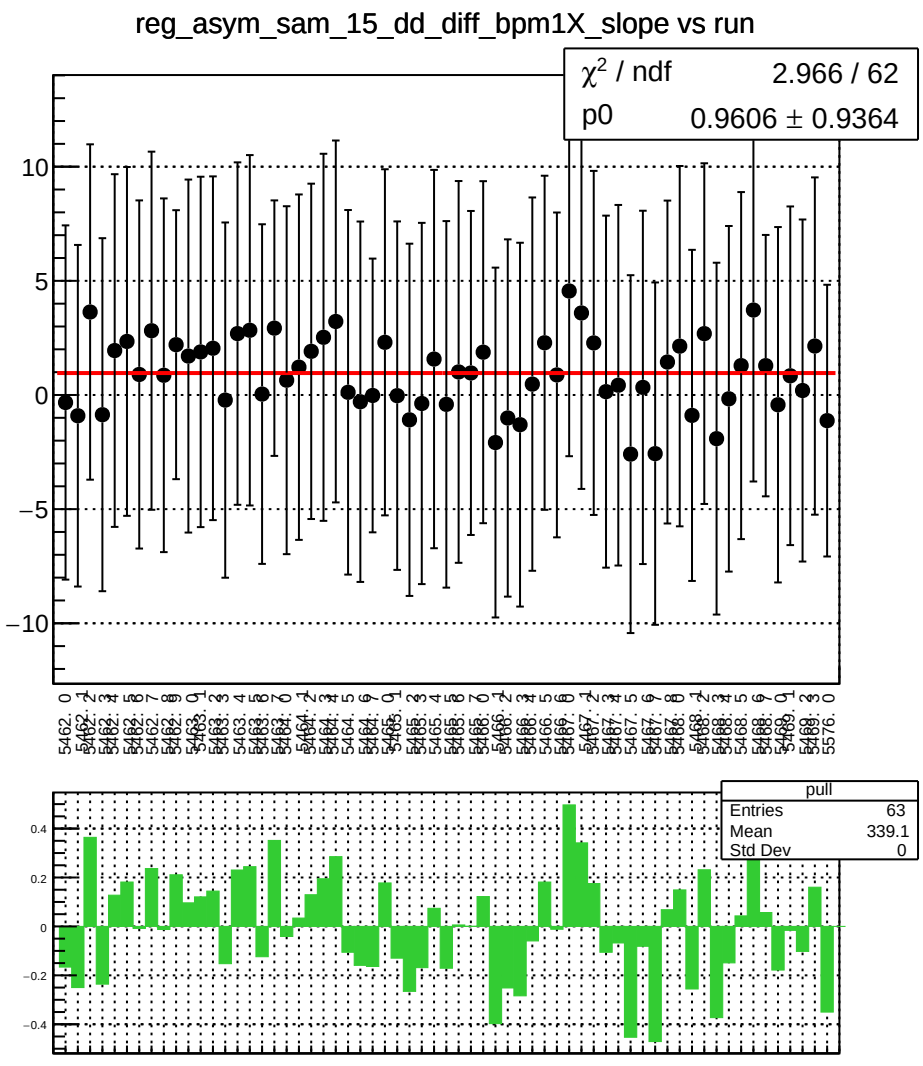

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 2725 / 62
p0 −21.49 ± 0.1387
pull
Entries 63
Mean 19.2
Std Dev 4.396
pull1D
Entries 63
Mean −2.147
Std Dev 0.9089

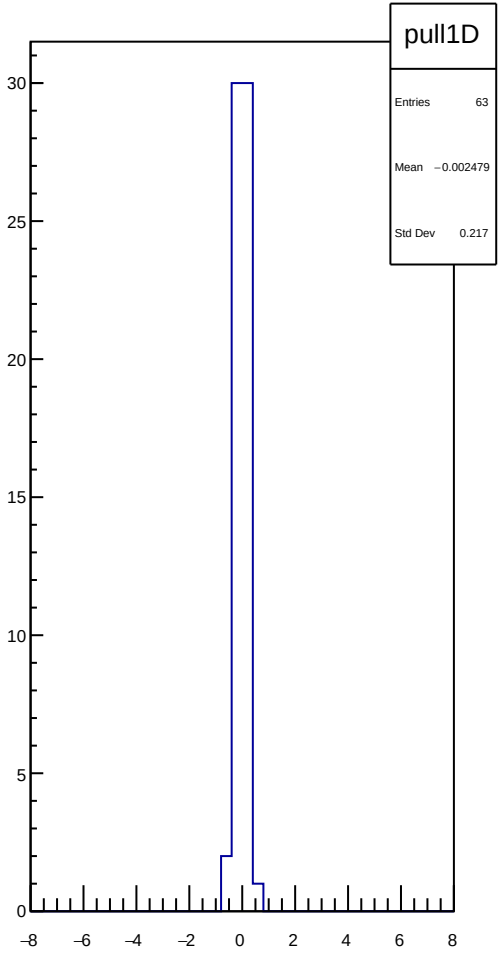

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 130.8 / 62
p0 2.156 ± 0.1028
pull
Entries 63
Mean 167.6
Std Dev 0
pull1D
Entries 63
Mean −0.04798
Std Dev 1.44

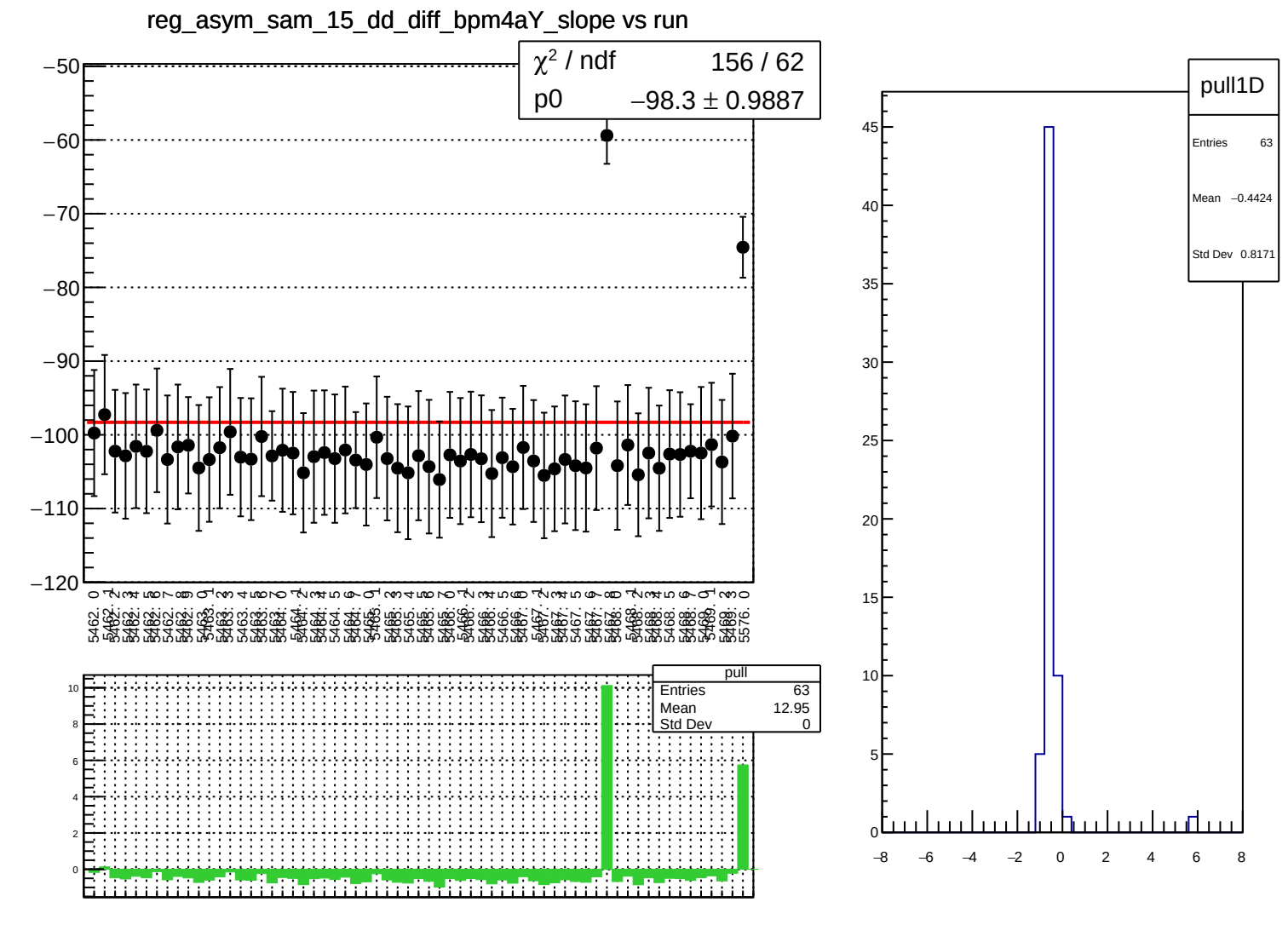

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 2234 / 62
p0 16.33 ± 0.1647
pull
Entries 63
Mean 22.52
Std Dev 5.613
pull1D
Entries 63
Mean 1.896
Std Dev 0.9097

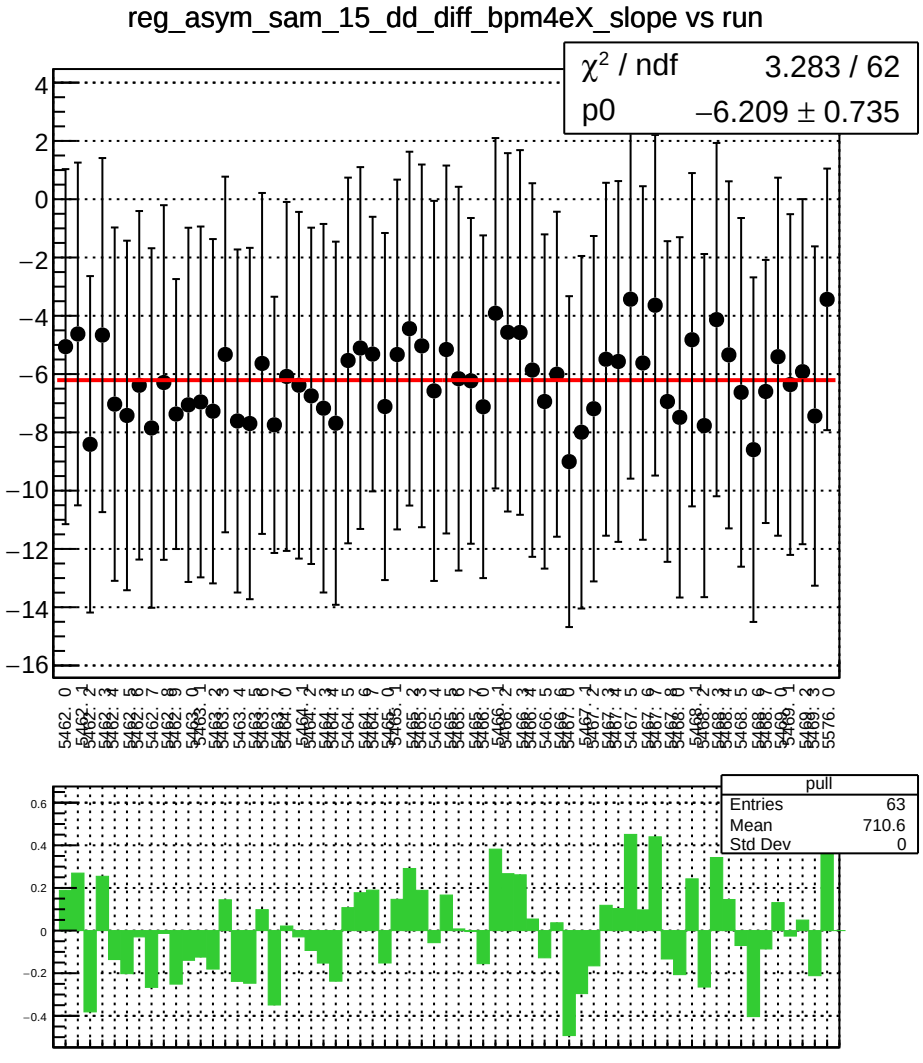

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 69.16 / 62
p0 0.2148 ± 0.004271
pull
Entries 63
Mean −71.16
Std Dev 0

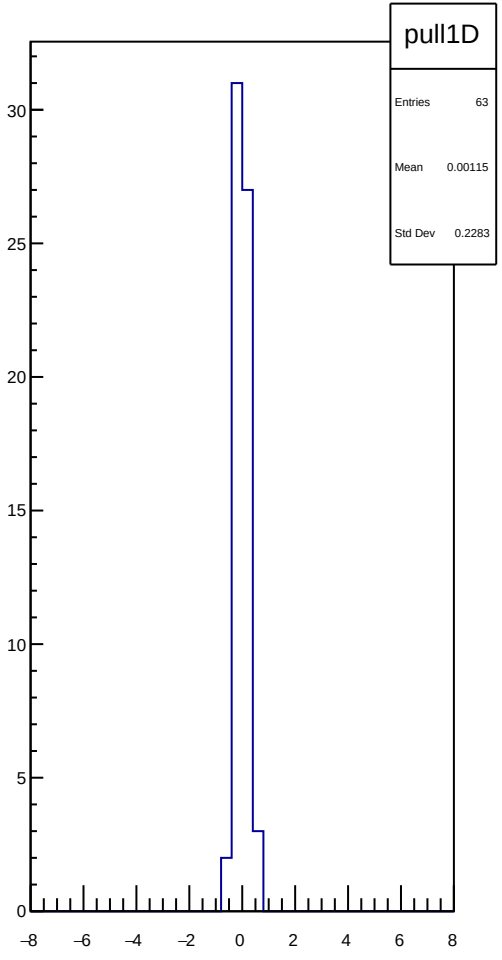

pull1D
Entries 63
Mean 0.03954
Std Dev 1.047

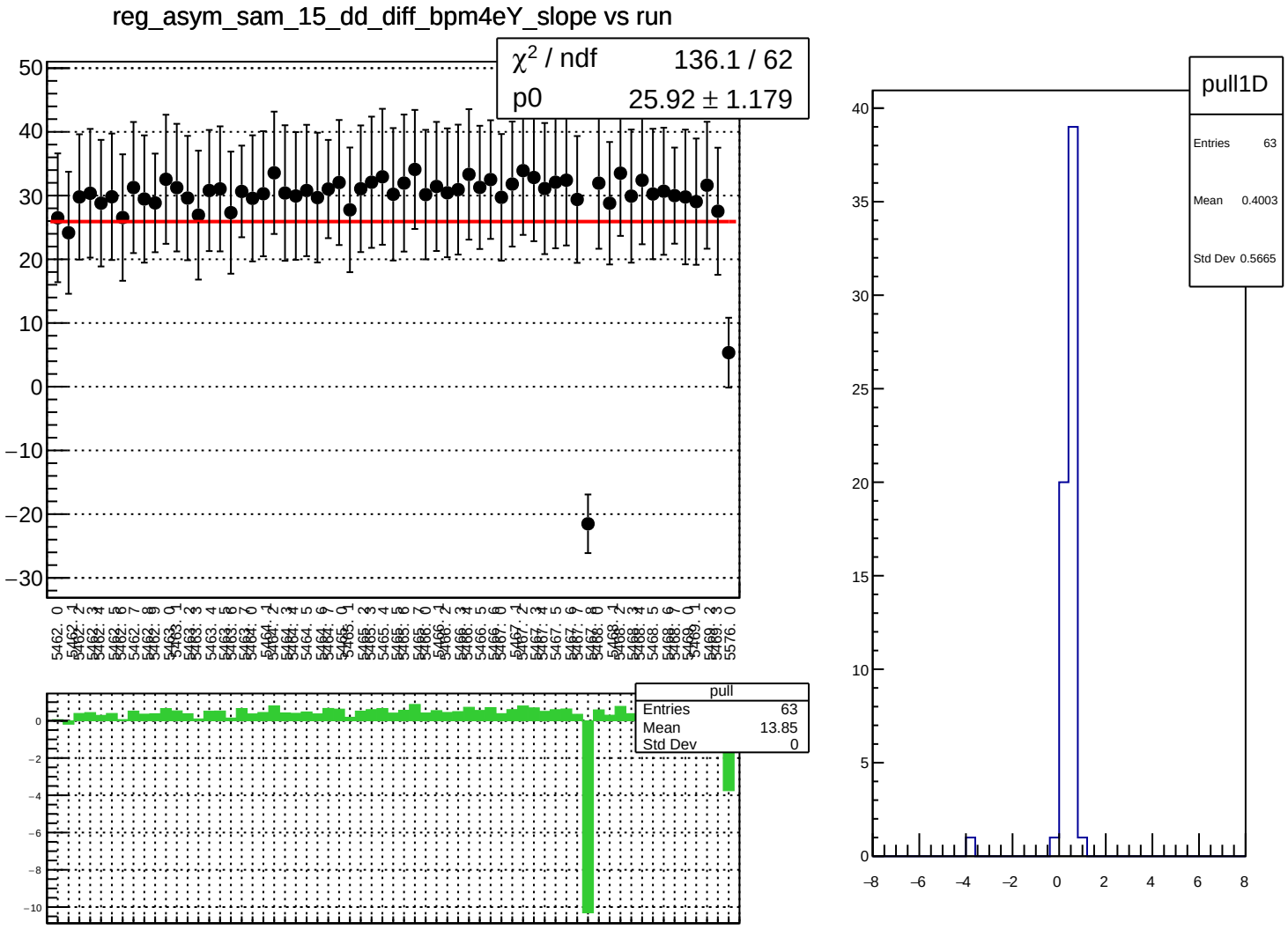

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.966 / 62
p0 0.9606 ± 0.9364
pull
Entries 63
Mean 339.1
Std Dev 0

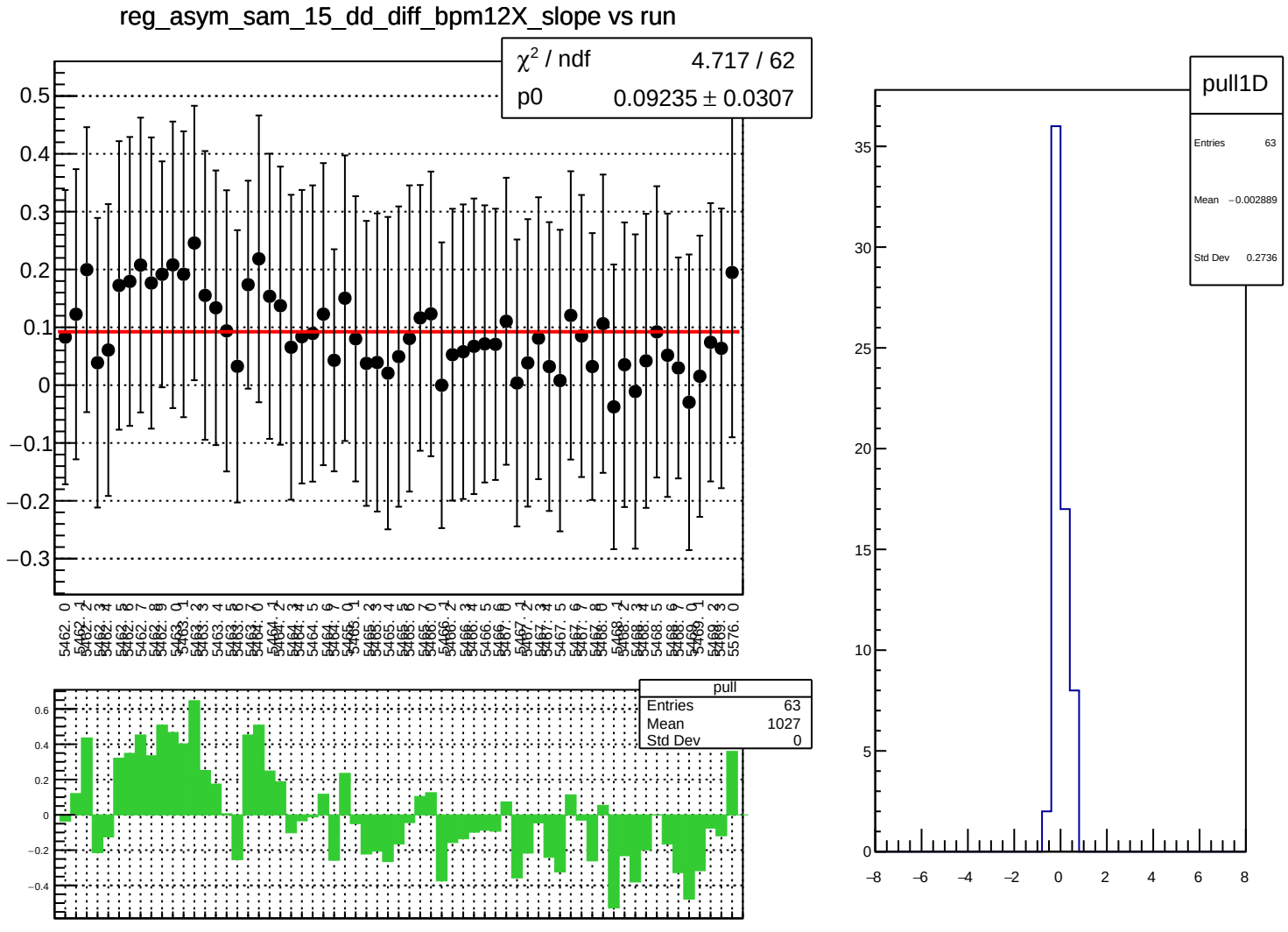

pull1D
Entries 63
Mean −0.002479
Std Dev 0.217

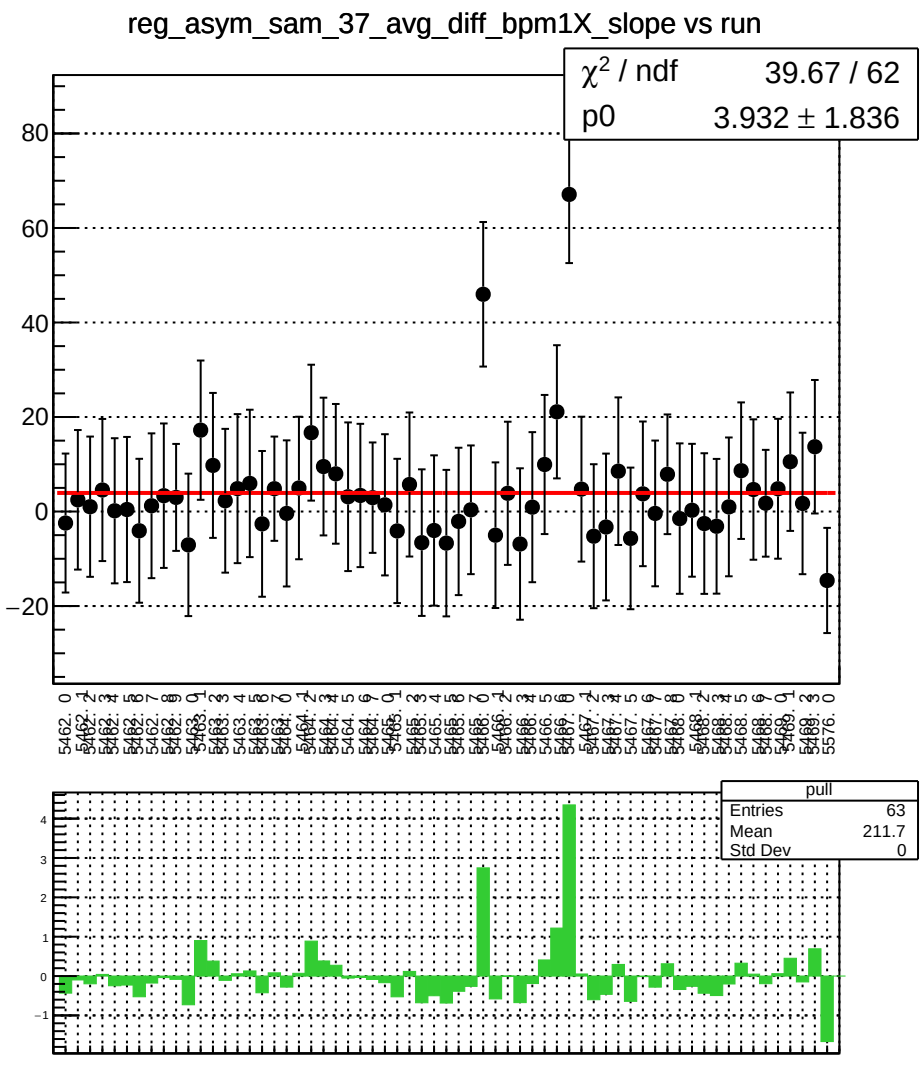

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 156 / 62
p0 −98.3 ± 0.9887
pull
Entries 63
Mean 12.95
Std Dev 0
pull1D
Entries 63
Mean −0.4424
Std Dev 0.8171

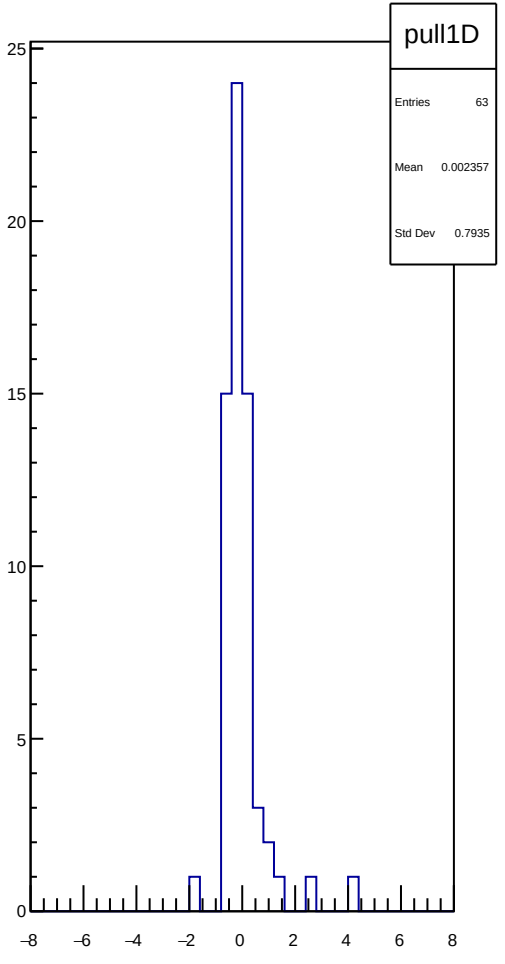

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.283 / 62
p0 −6.209 ± 0.735
pull
Entries 63
Mean 710.6
Std Dev 0

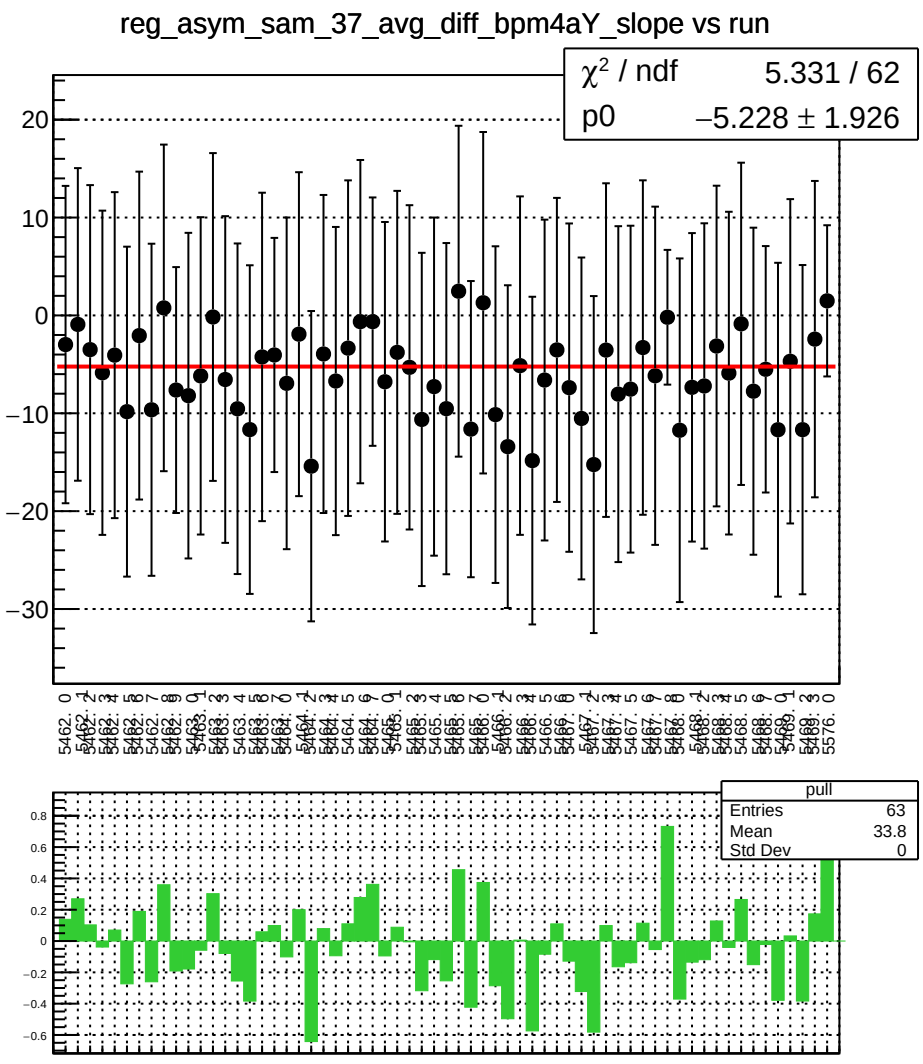

pull1D
Entries 63
Mean 0.00115
Std Dev 0.2283

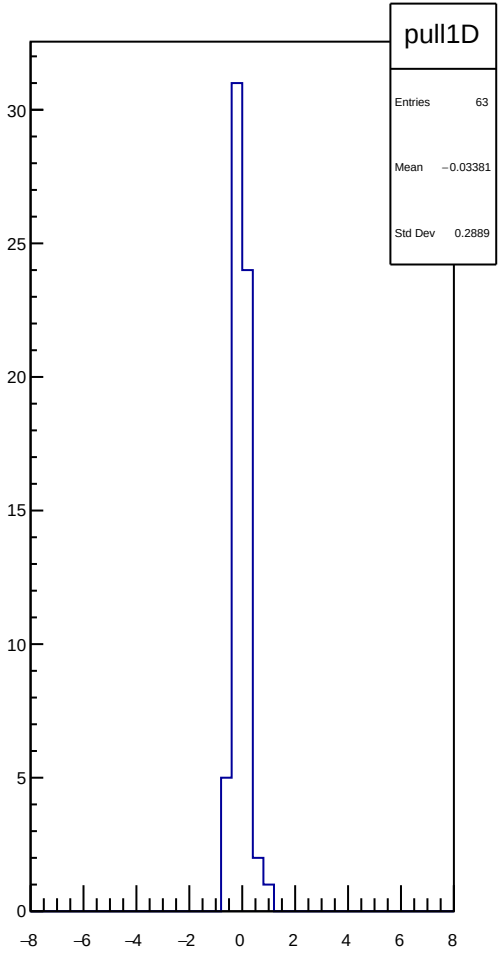

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 136.1 / 62
p0 25.92 ± 1.179
pull
Entries 63
Mean 13.85
Std Dev 0
pull1D
Entries 63
Mean 0.4003
Std Dev 0.5665

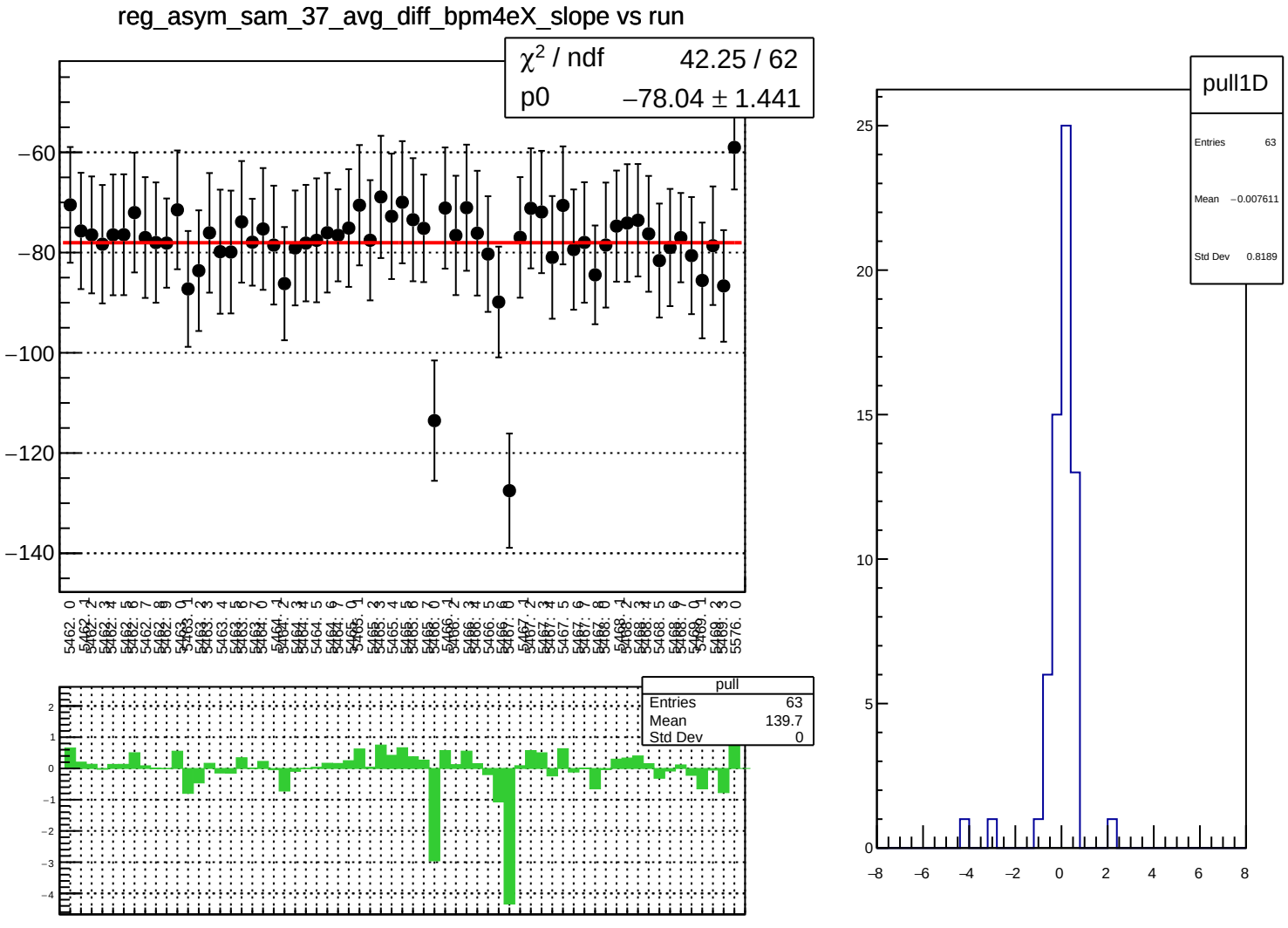

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 4.717 / 62
p0 0.09235 ± 0.0307
pull
Entries 63
Mean 1027
Std Dev 0
pull1D
Entries 63
Mean −0.002889
Std Dev 0.2736

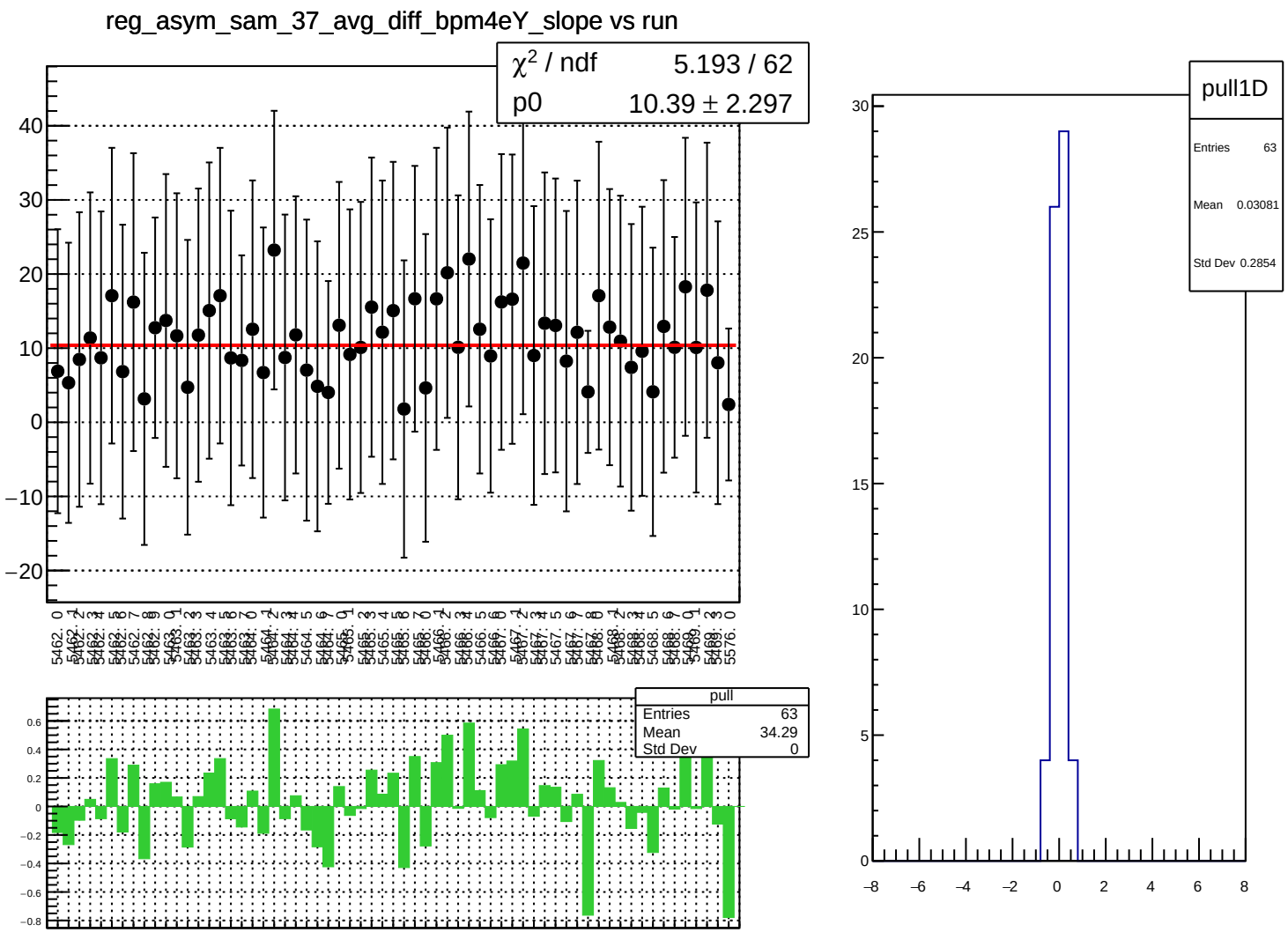

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 39.67 / 62
p0 3.932 ± 1.836
pull
Entries 63
Mean 211.7
Std Dev 0

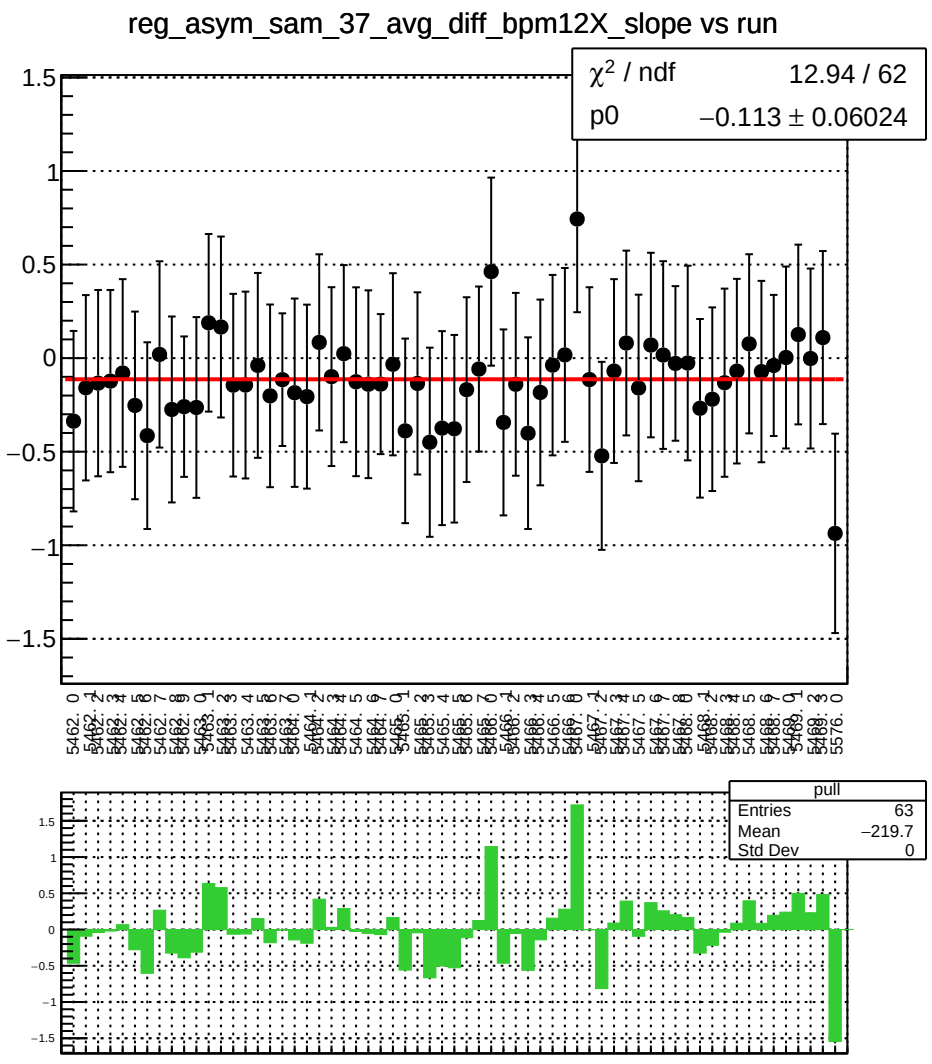

pull1D
Entries 63
Mean 0.002357
Std Dev 0.7935

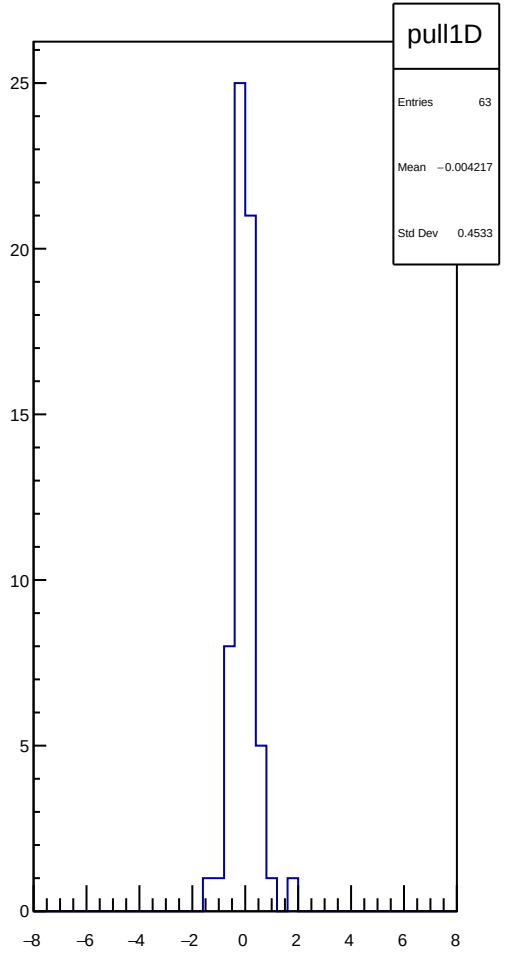

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.331 / 62
p0 −5.228 ± 1.926
pull
Entries 63
Mean 33.8
Std Dev 0

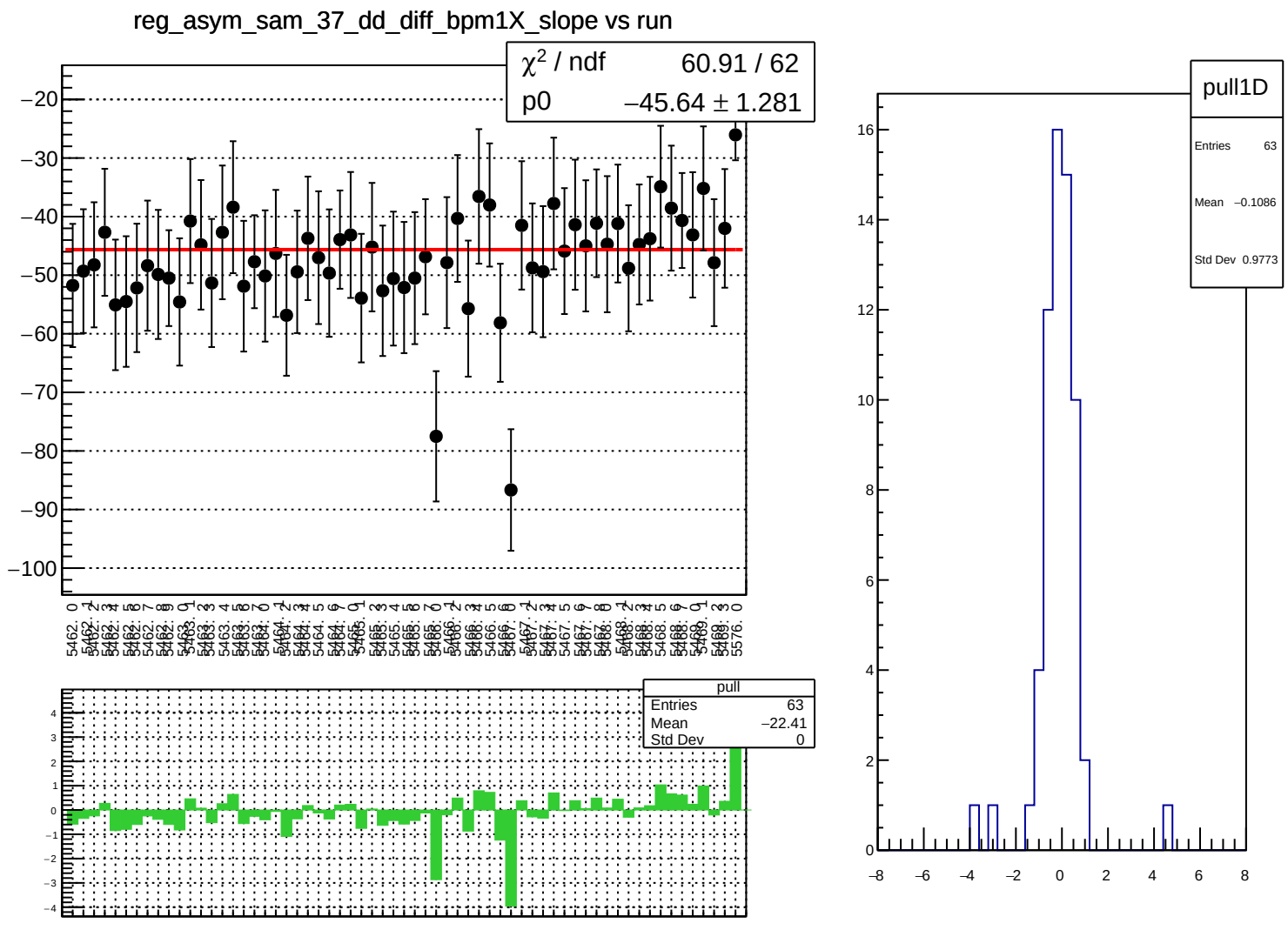

pull1D
Entries 63
Mean −0.03381
Std Dev 0.2889

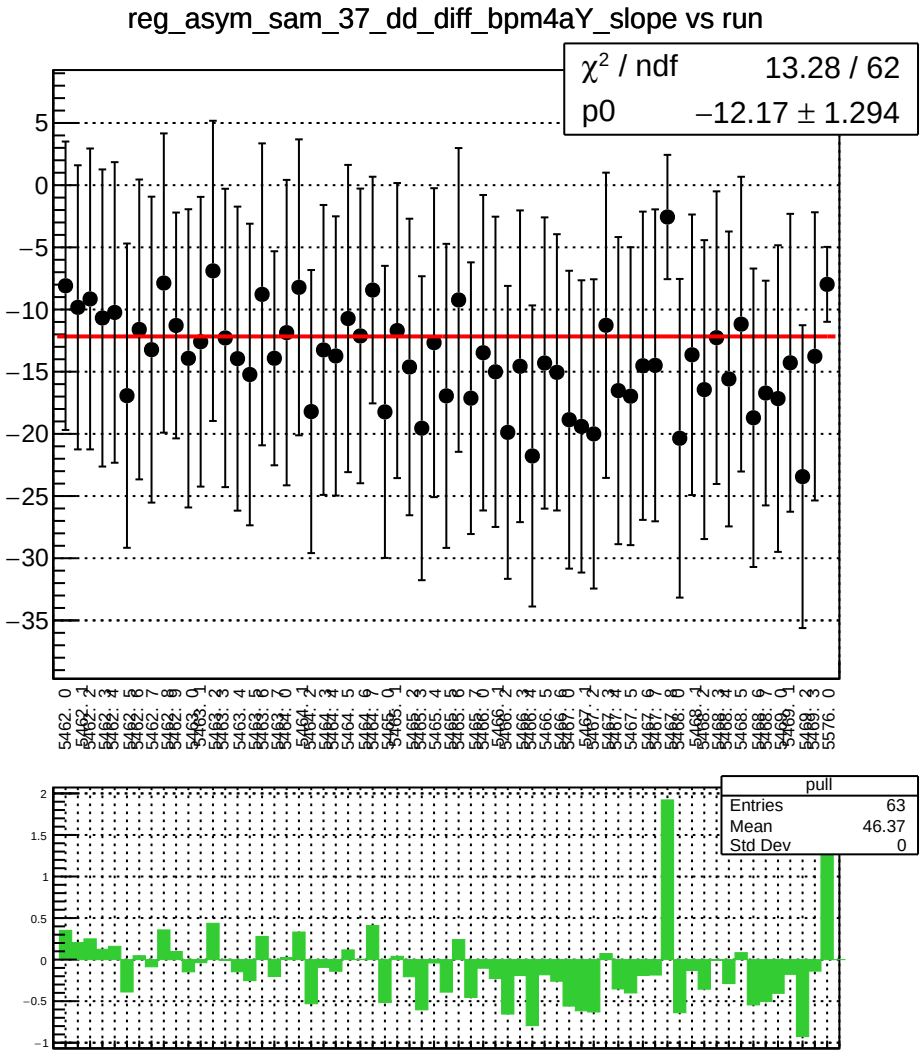

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.25 / 62
p0 −78.04 ± 1.441
pull
Entries 63
Mean 139.7
Std Dev 0
pull1D
Entries 63
Mean −0.007611
Std Dev 0.8189

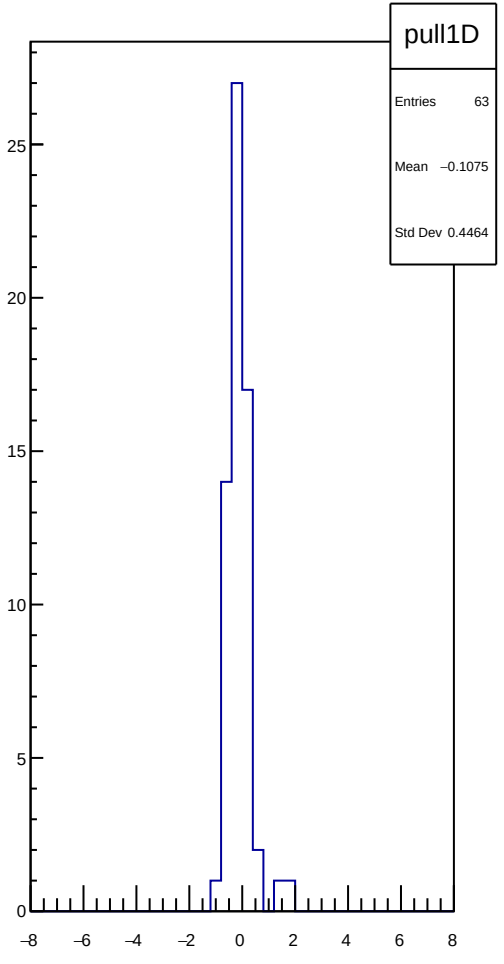

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.193 / 62
p0 10.39 ± 2.297
pull
Entries 63
Mean 34.29
Std Dev 0
pull1D
Entries 63
Mean 0.03081
Std Dev 0.2854

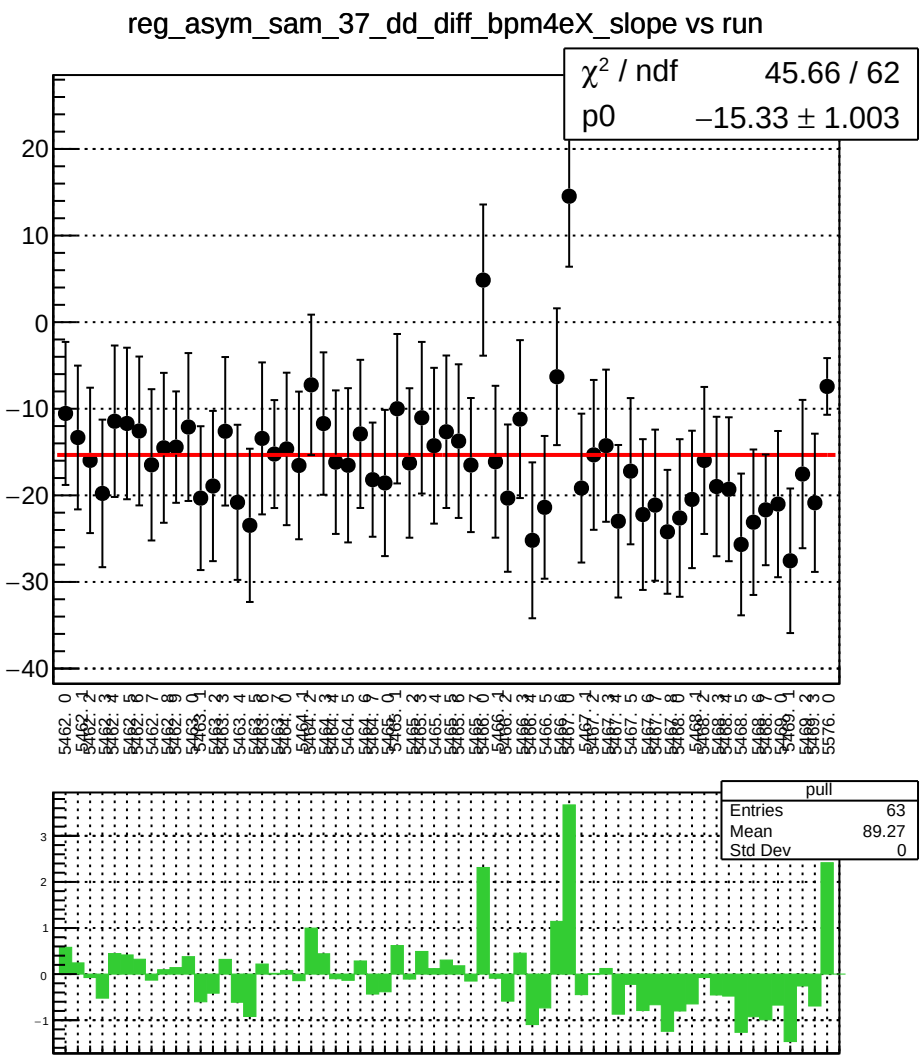

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 12.94 / 62
p0 −0.113 ± 0.06024
pull
Entries 63
Mean −219.7
Std Dev 0

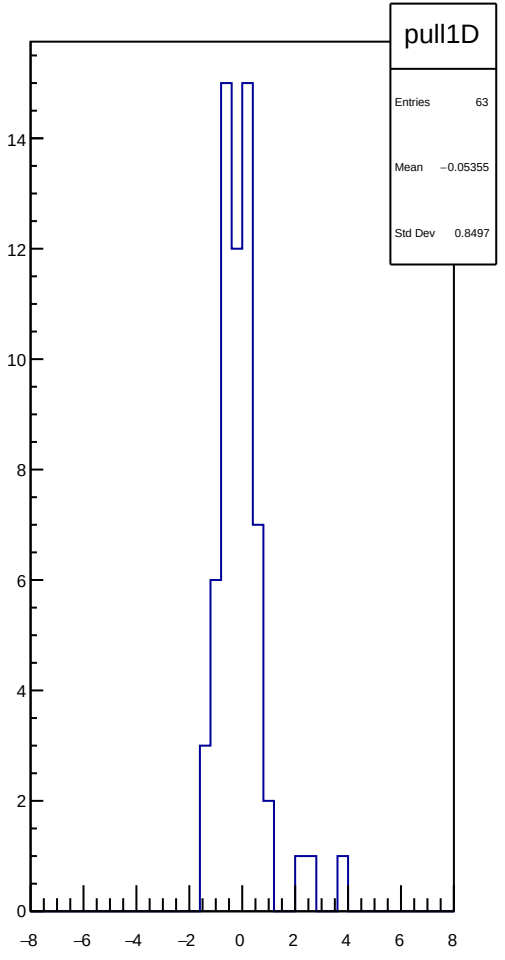

pull1D
Entries 63
Mean −0.004217
Std Dev 0.4533

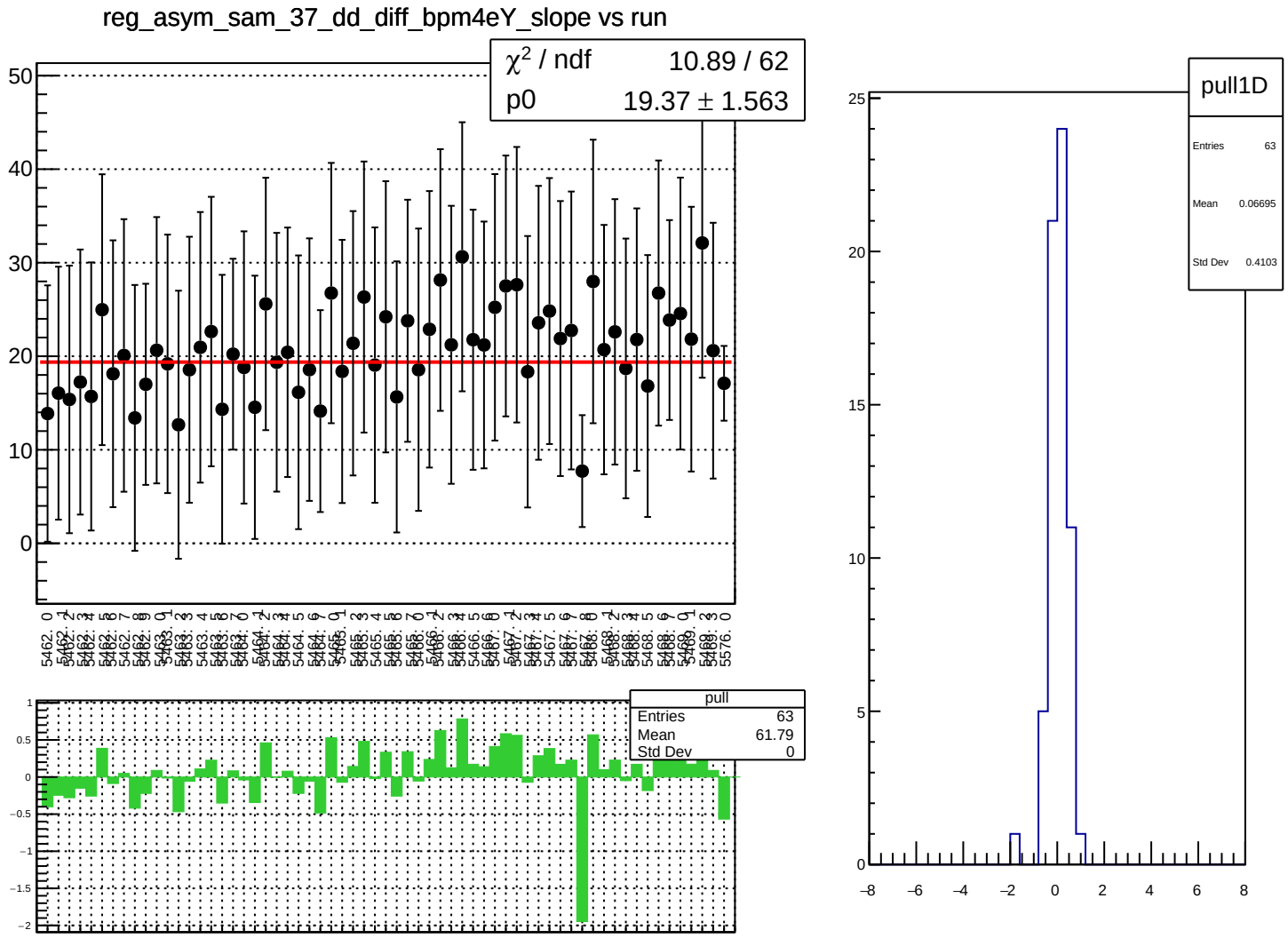

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 60.91 / 62
p0 −45.64 ± 1.281
pull
Entries 63
Mean −22.41
Std Dev 0
pull1D
Entries 63
Mean −0.1086
Std Dev 0.9773

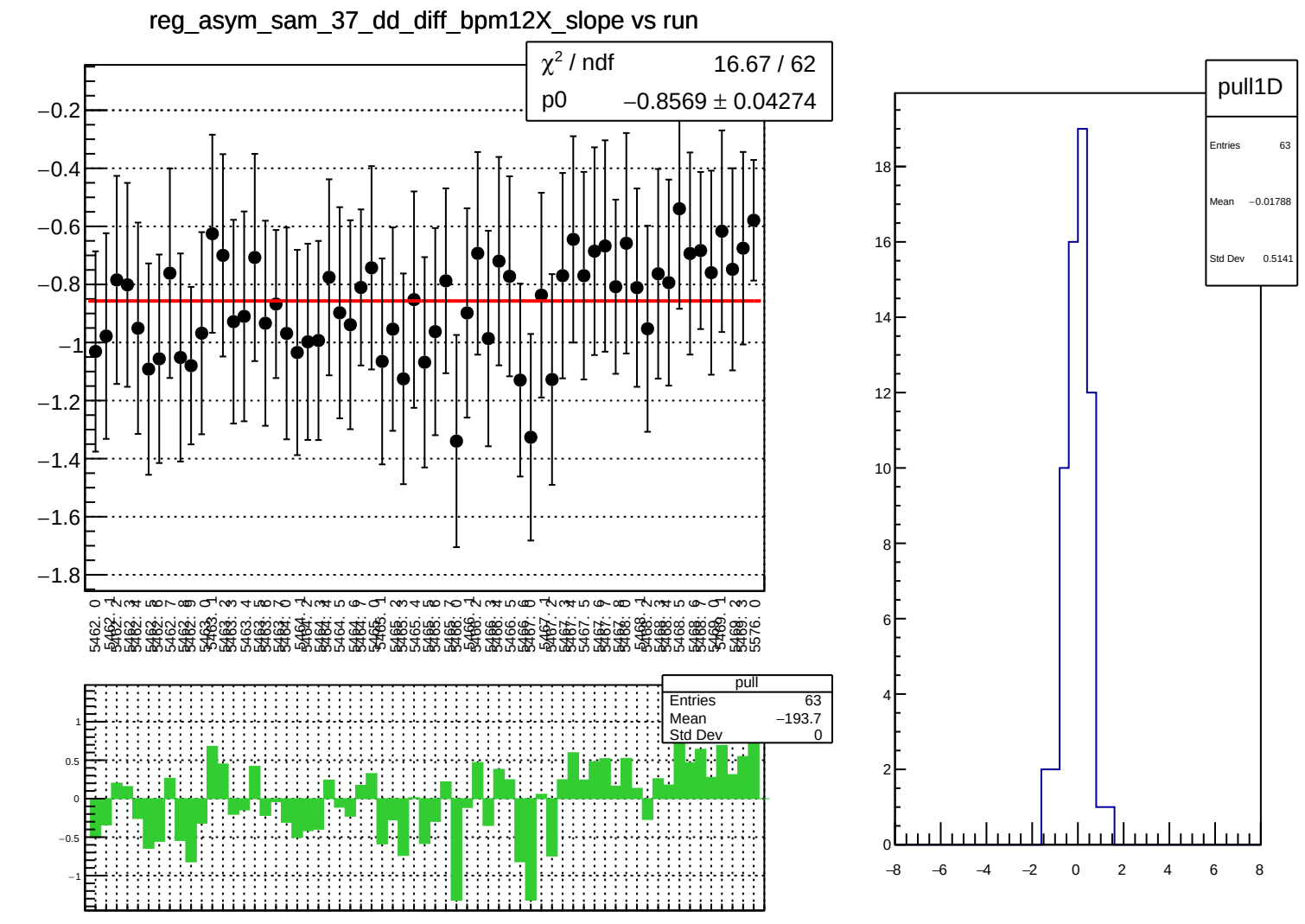

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.28 / 62
p0 −12.17 ± 1.294
pull
Entries 63
Mean 46.37
Std Dev 0

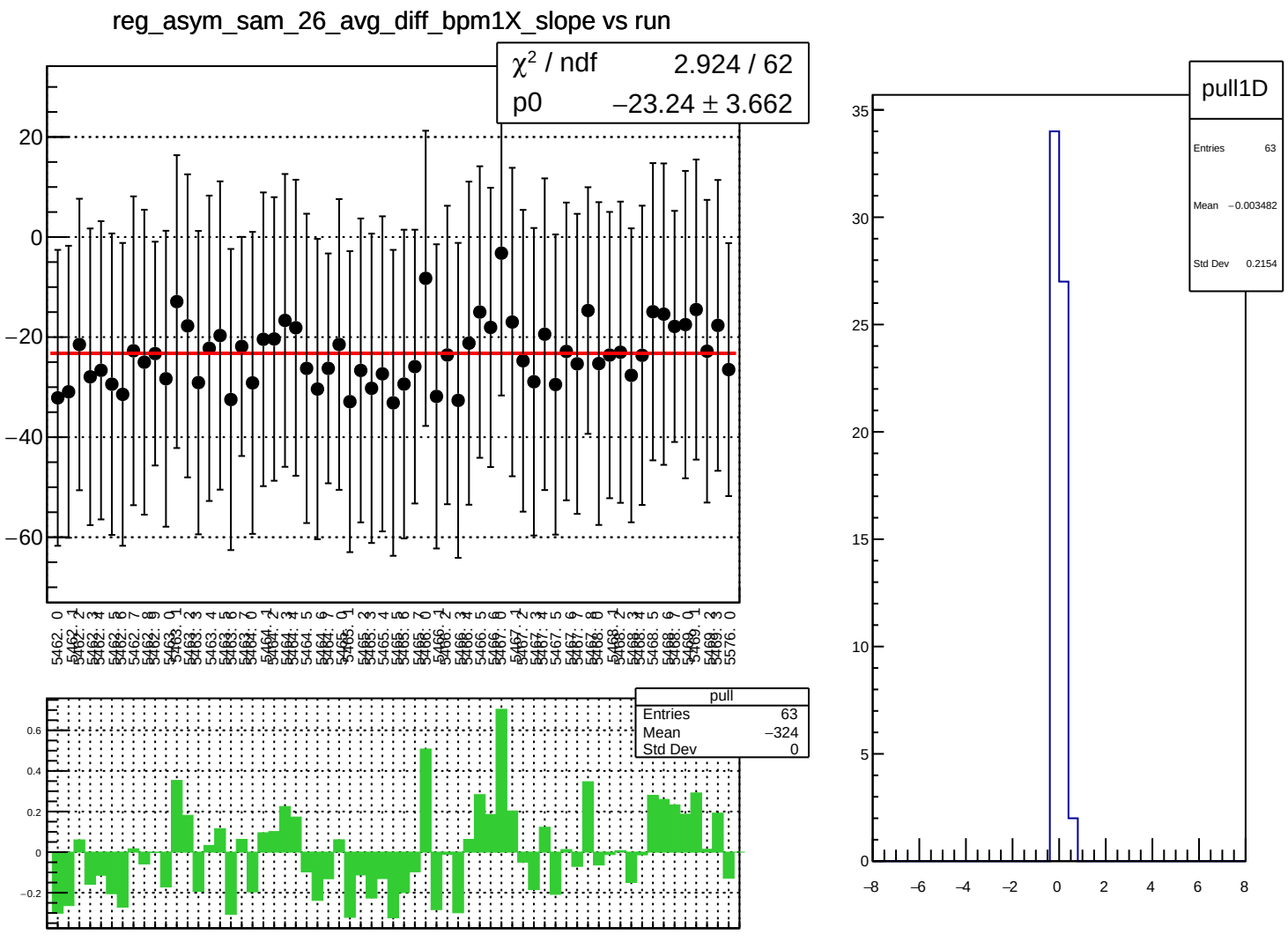

pull1D
Entries 63
Mean −0.1075
Std Dev 0.4464

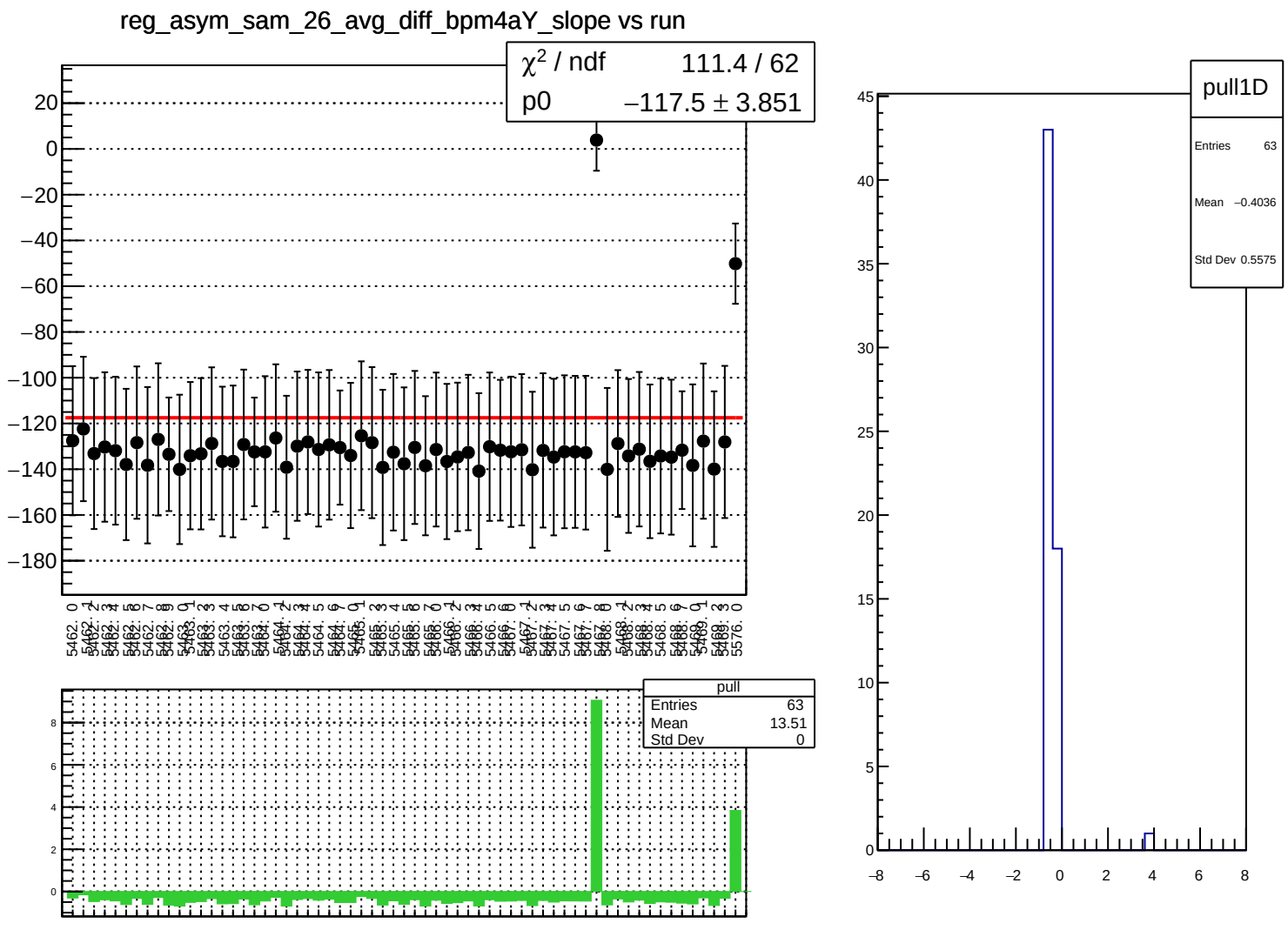

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.66 / 62
p0 −15.33 ± 1.003
pull
Entries 63
Mean 89.27
Std Dev 0

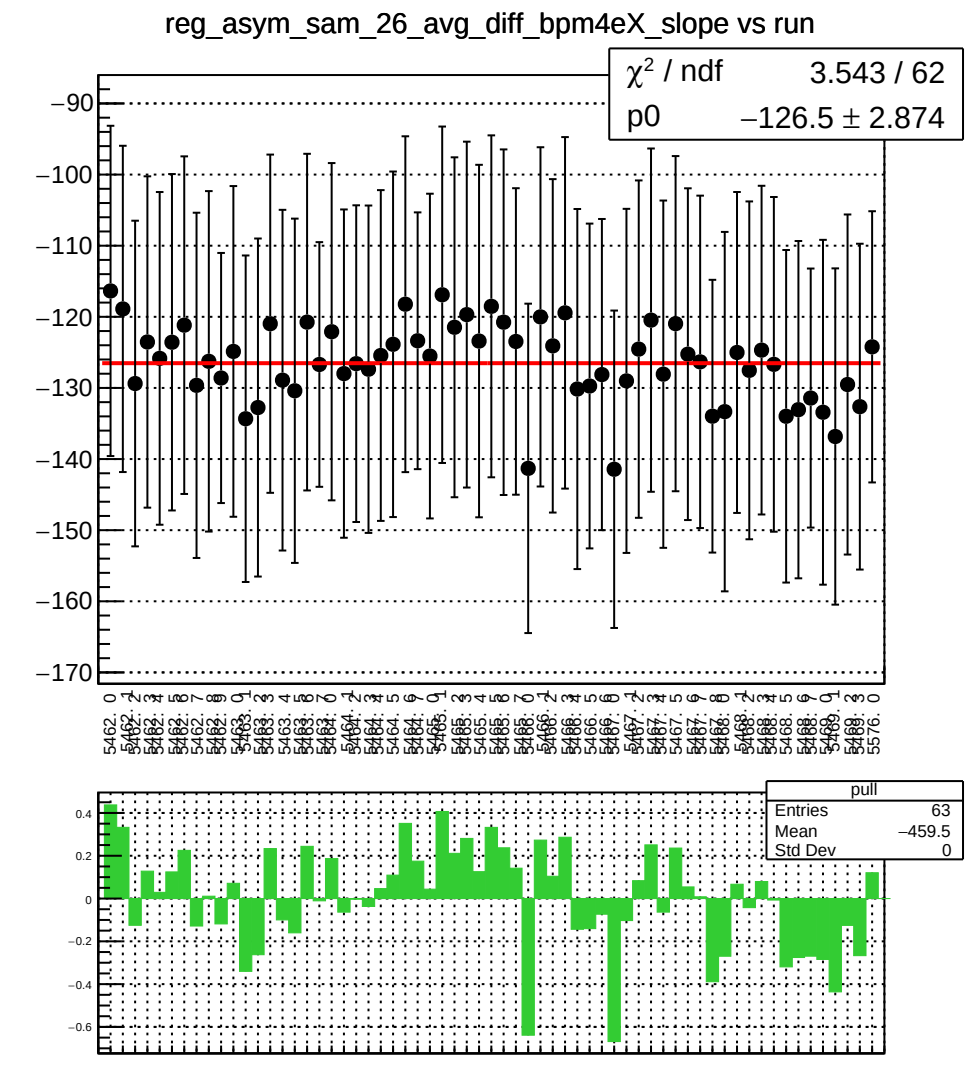

pull1D
Entries 63
Mean −0.05355
Std Dev 0.8497

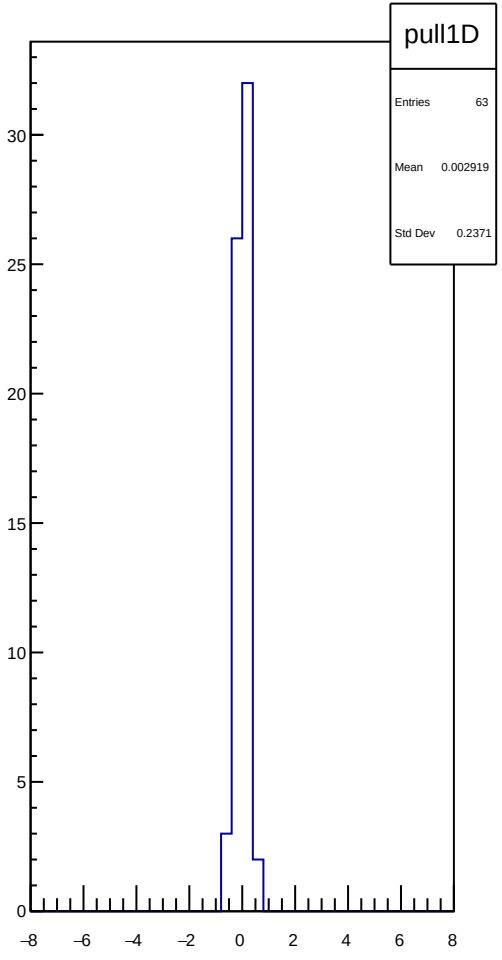

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.89 / 62
p0 19.37 ± 1.563
pull
Entries 63
Mean 61.79
Std Dev 0
pull1D
Entries 63
Mean 0.06695
Std Dev 0.4103

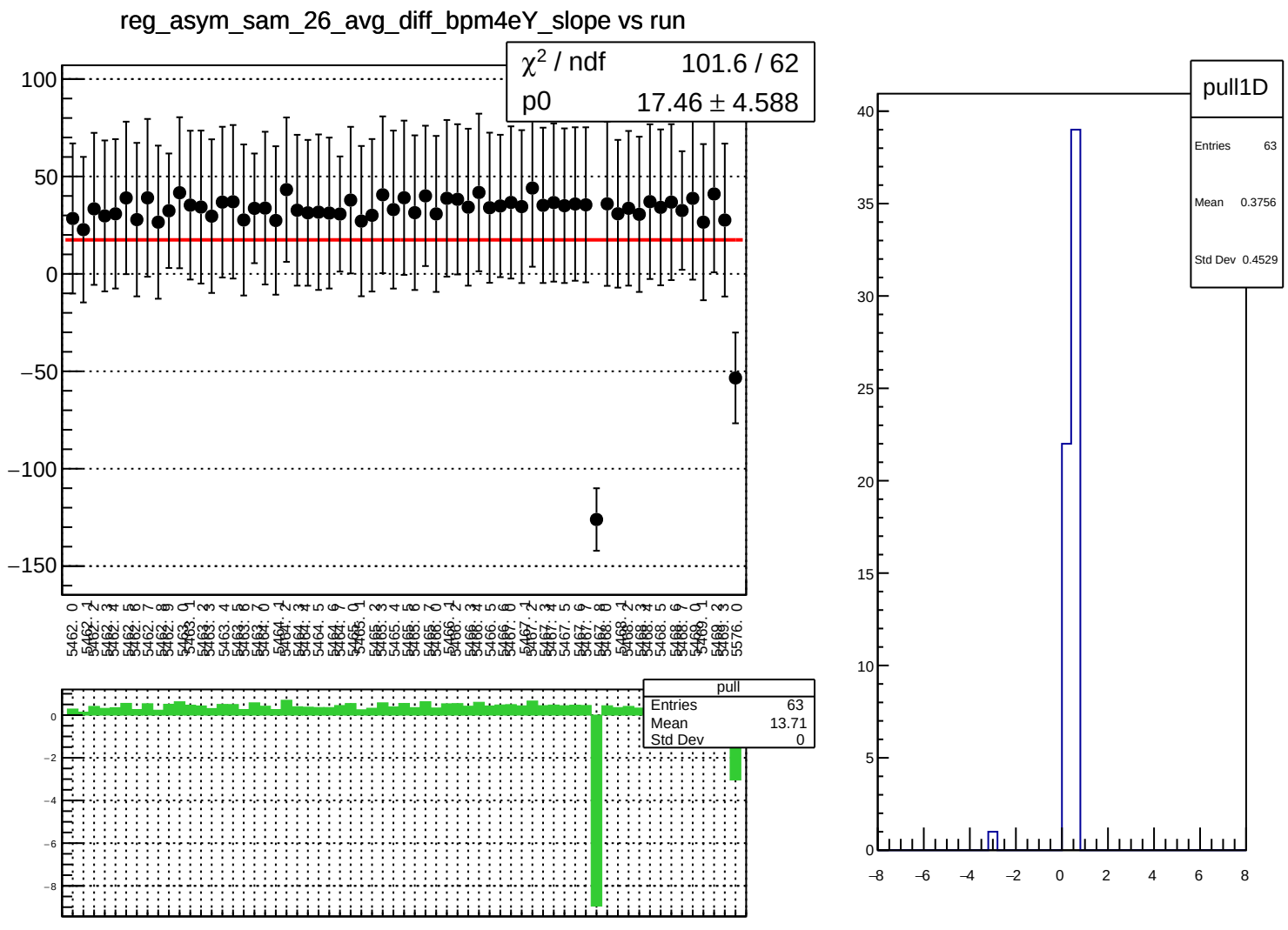

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.67 / 62
p0 −0.8569 ± 0.04274
pull
Entries 63
Mean −193.7
Std Dev 0
pull1D
Entries 63
Mean −0.01788
Std Dev 0.5141

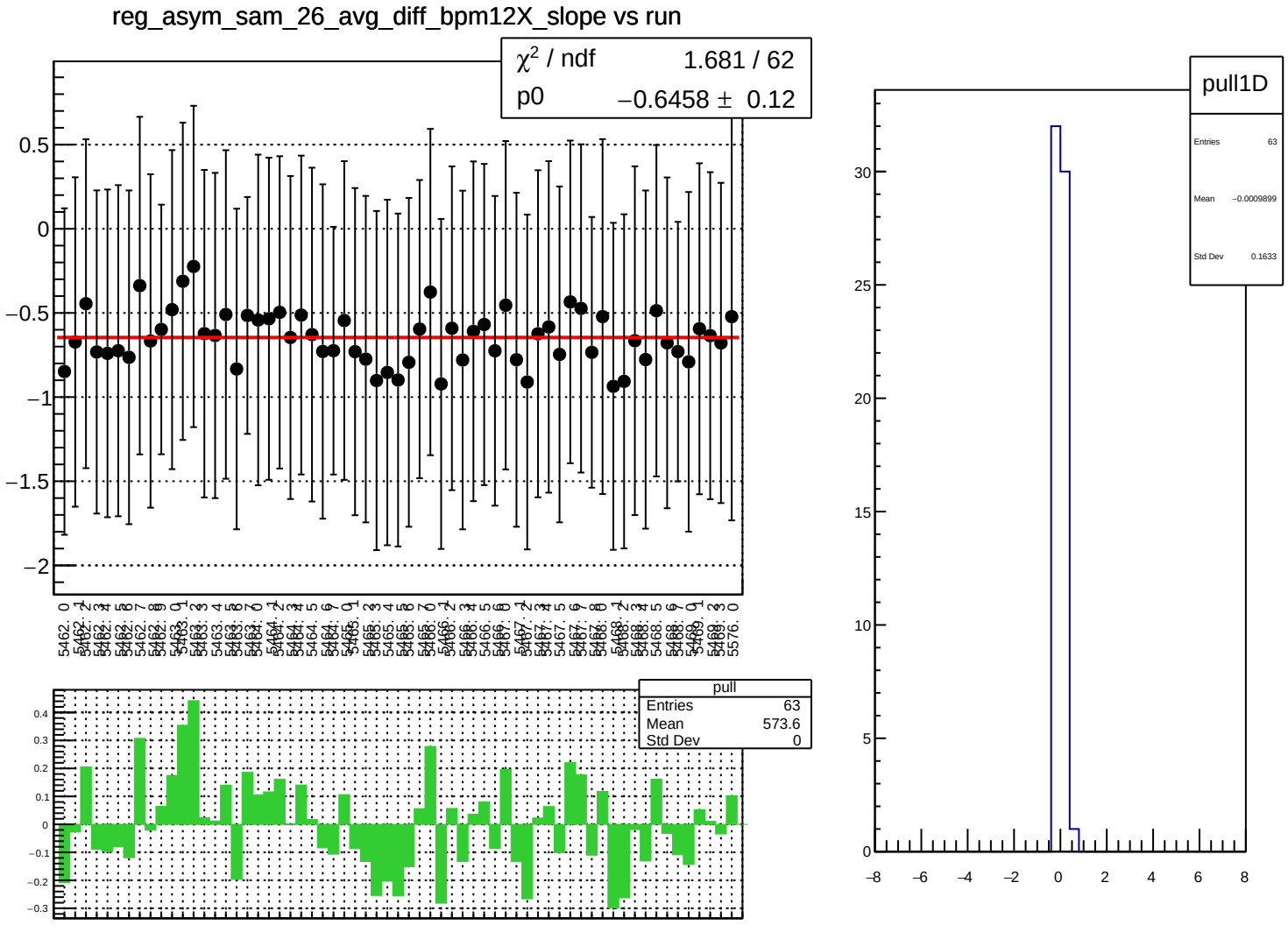

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.924 / 62
p0 −23.24 ± 3.662
pull
Entries 63
Mean −324
Std Dev 0
pull1D
Entries 63
Mean −0.003482
Std Dev 0.2154

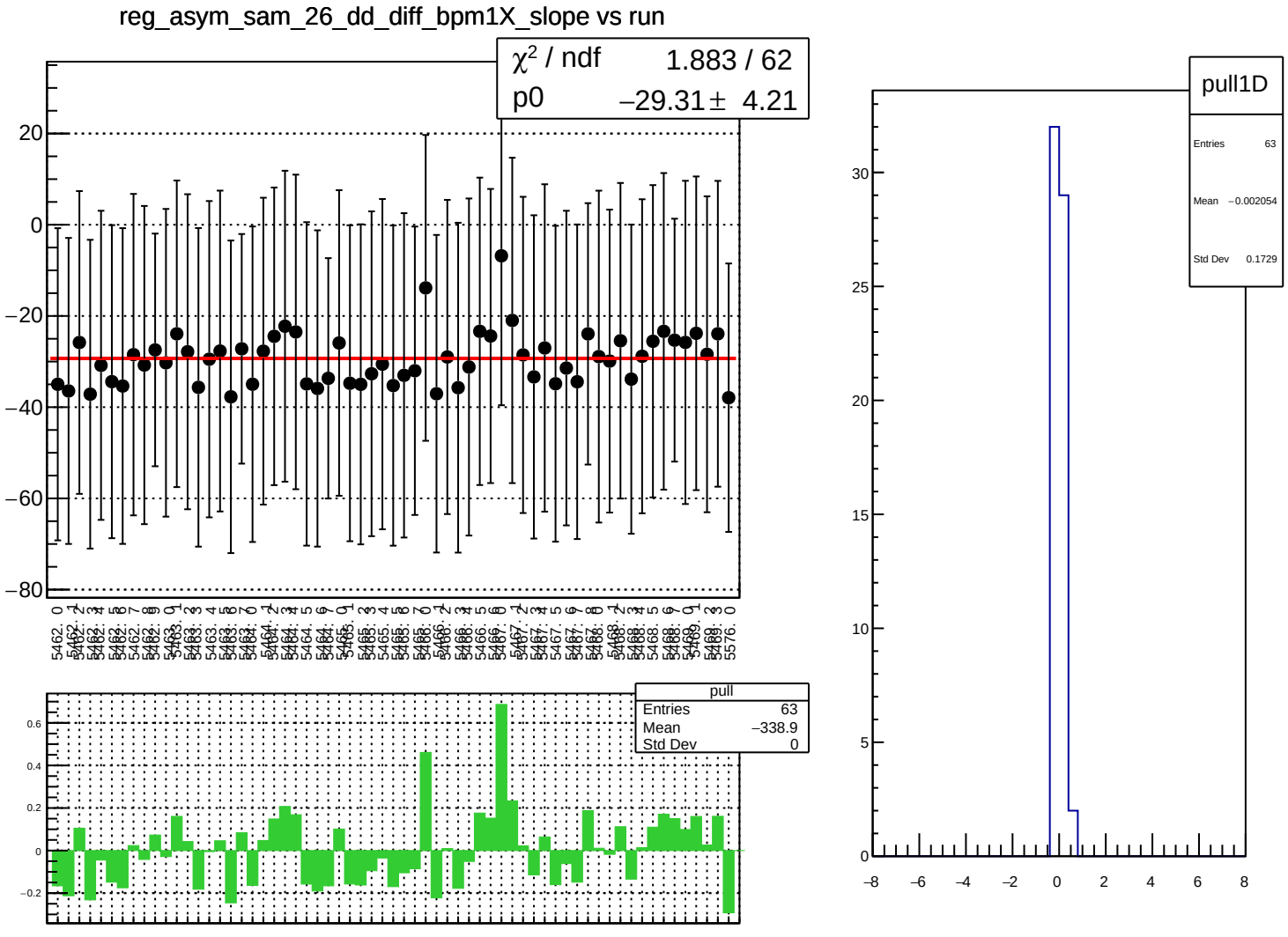

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 62
p0 −117.5 ± 3.851
pull
Entries 63
Mean 13.51
Std Dev 0
pull1D
Entries 63
Mean −0.4036
Std Dev 0.5575

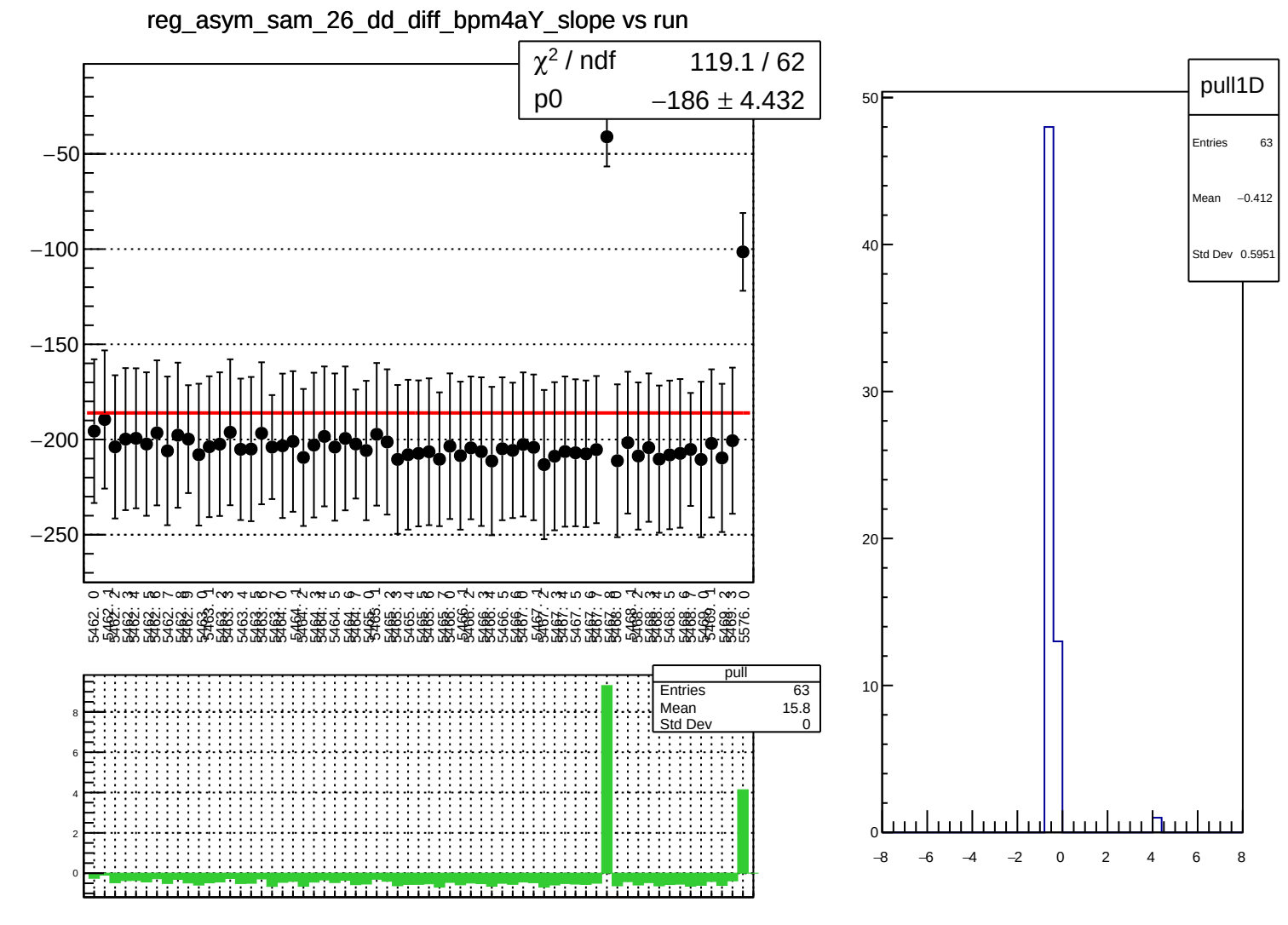

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.543 / 62
p0 −126.5 ± 2.874
pull
Entries 63
Mean −459.5
Std Dev 0

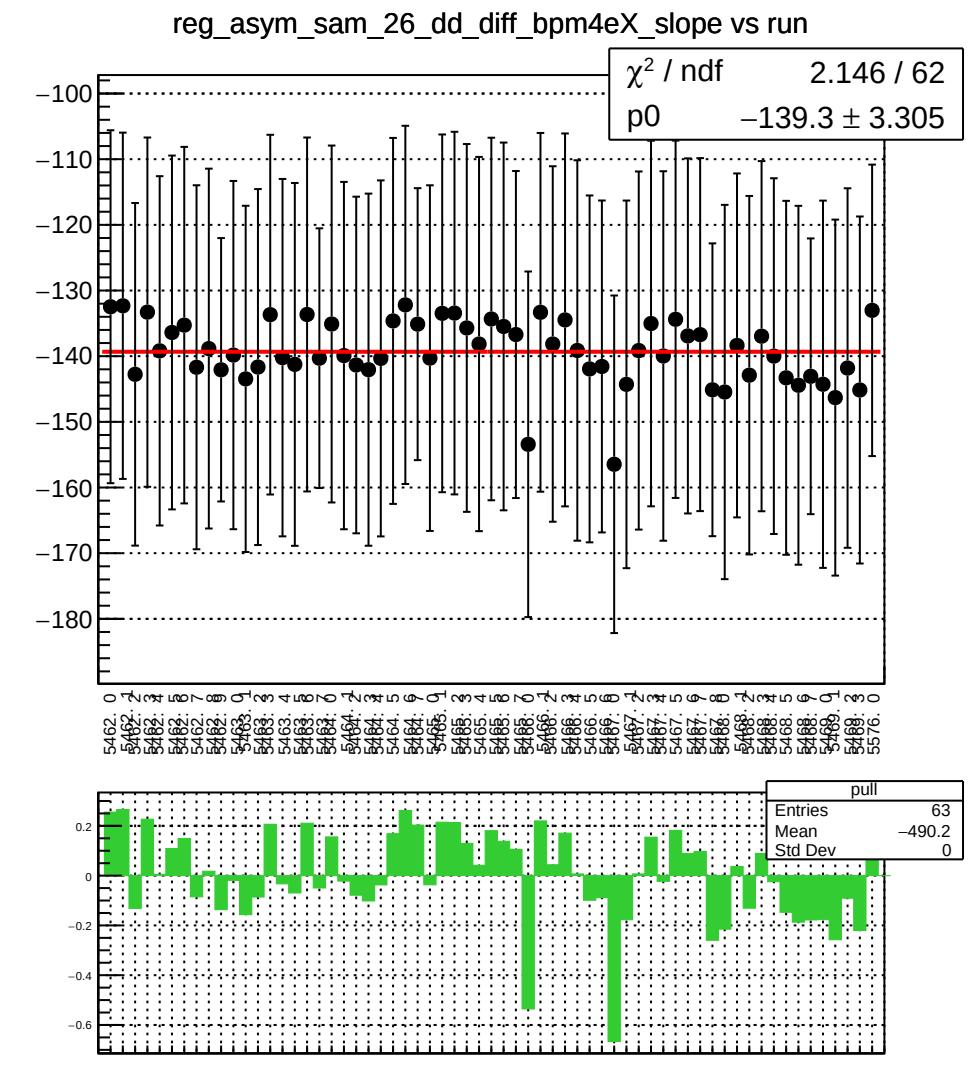

pull1D
Entries 63
Mean 0.002919
Std Dev 0.2371

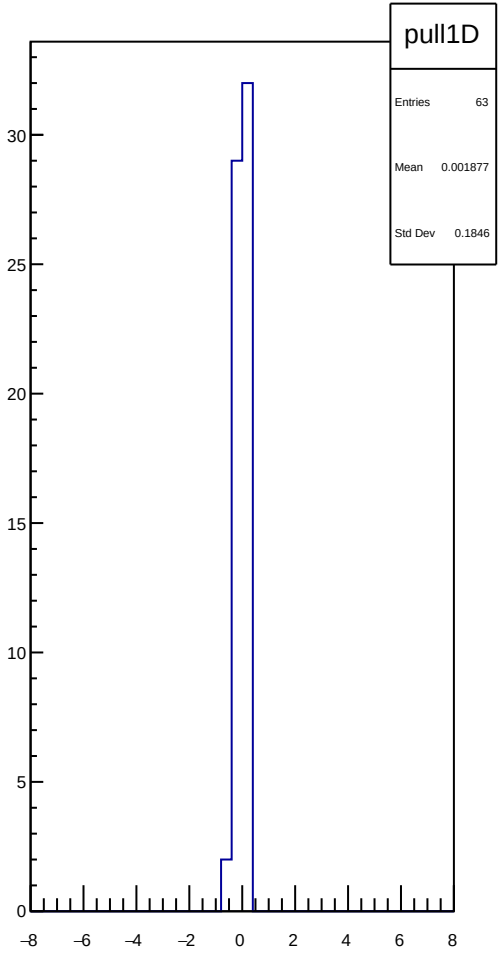

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 101.6 / 62
p0 17.46 ± 4.588
pull
Entries 63
Mean 13.71
Std Dev 0
pull1D
Entries 63
Mean 0.3756
Std Dev 0.4529

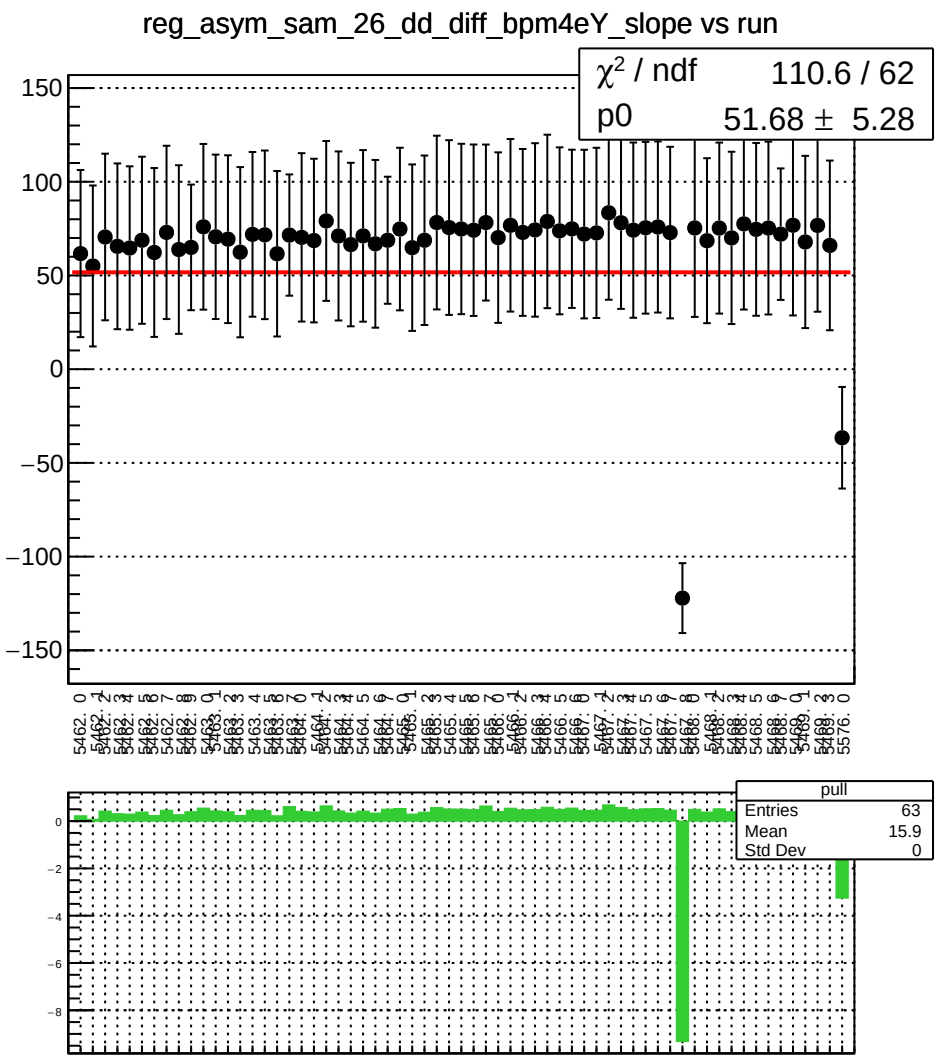

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.681 / 62
p0 −0.6458 ± 0.12
pull
Entries 63
Mean 573.6
Std Dev 0
pull1D
Entries 63
Mean −0.0009899
Std Dev 0.1633

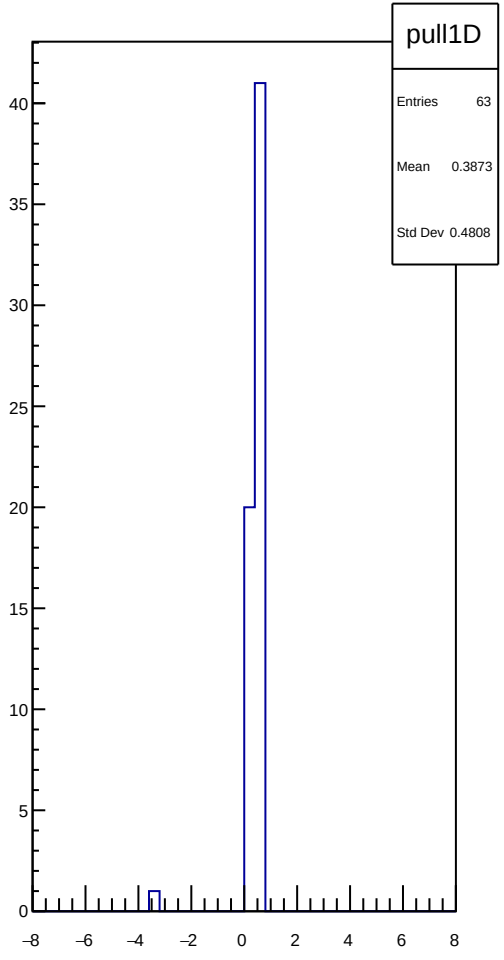

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.883 / 62
p0 −29.31 ± 4.21
pull
Entries 63
Mean −338.9
Std Dev 0
pull1D
Entries 63
Mean −0.002054
Std Dev 0.1729

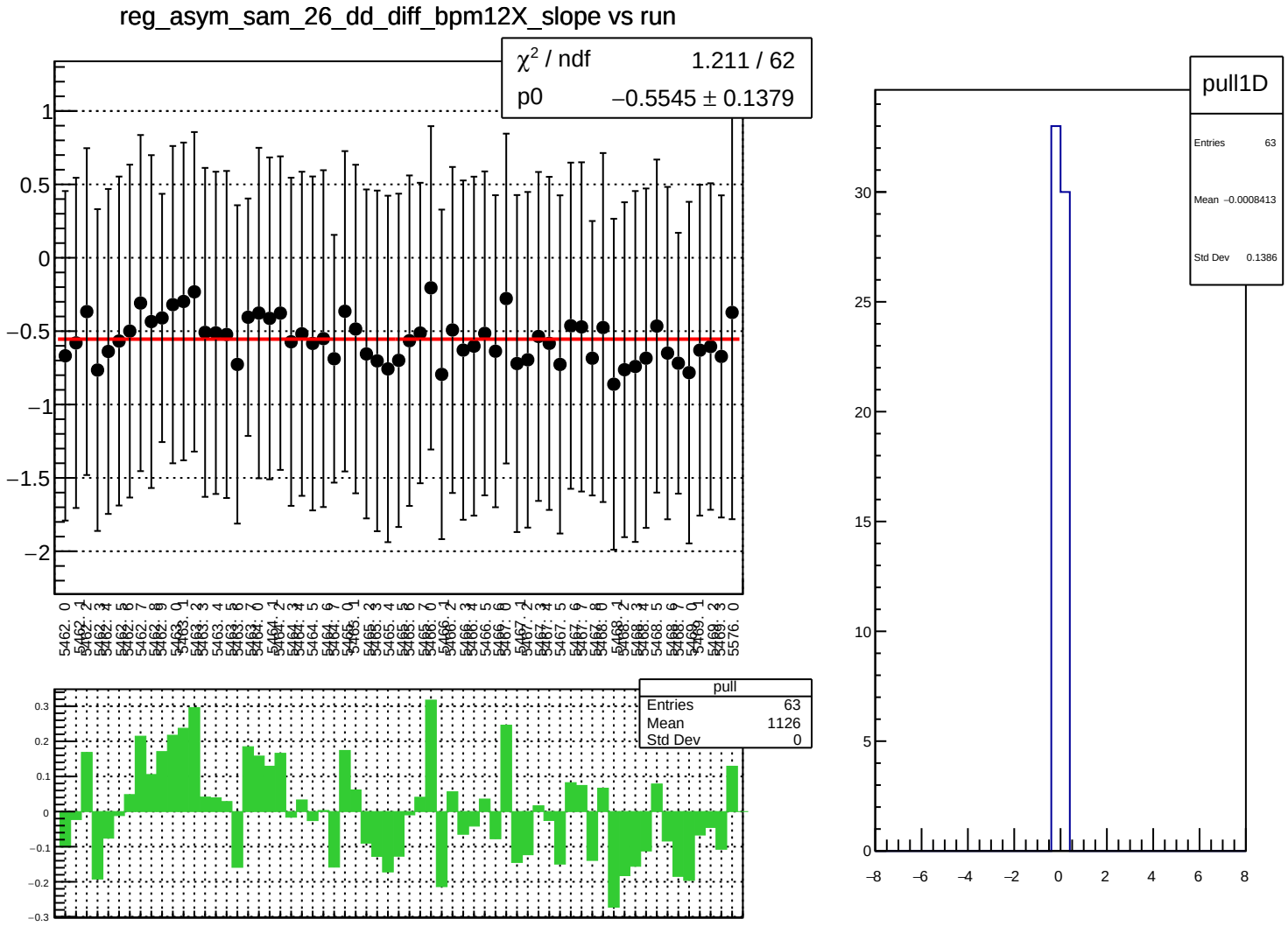

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 119.1 / 62
p0 −186 ± 4.432
pull
Entries 63
Mean 15.8
Std Dev 0
pull1D
Entries 63
Mean −0.412
Std Dev 0.5951

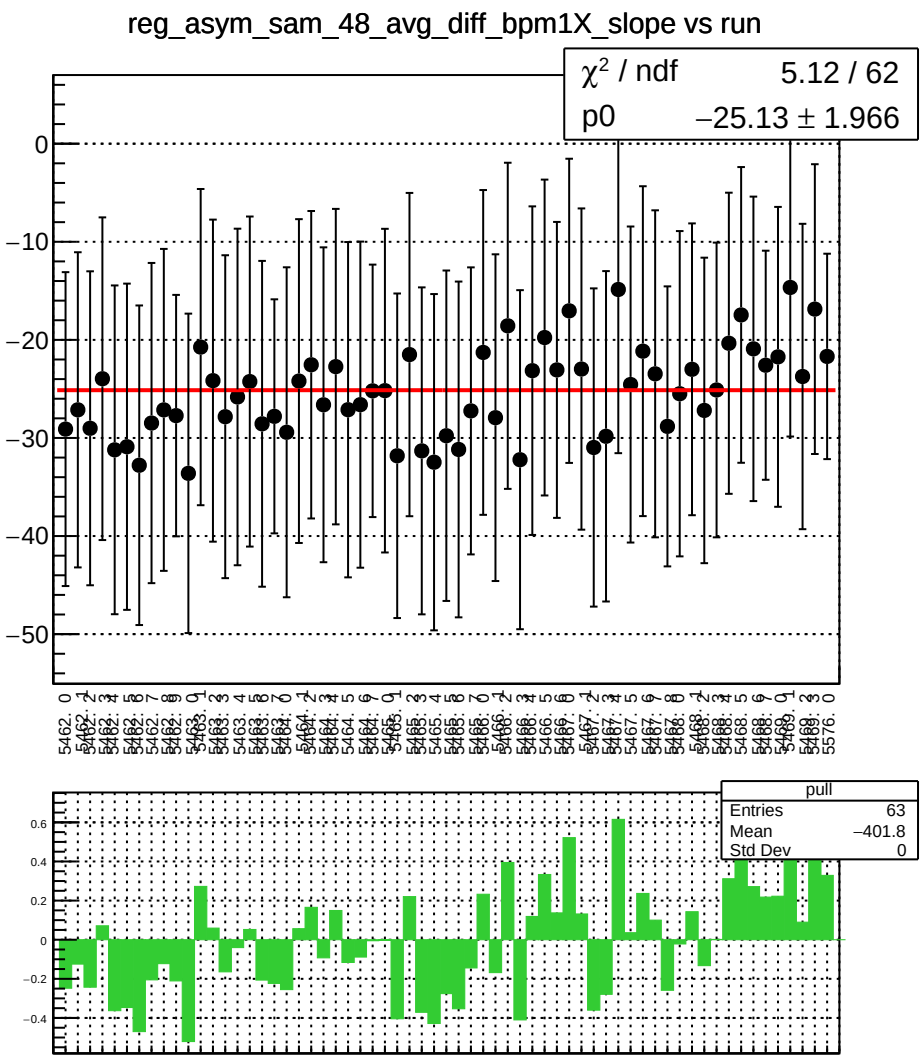

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.146 / 62
p0 −139.3 ± 3.305
pull
Entries 63
Mean −490.2
Std Dev 0

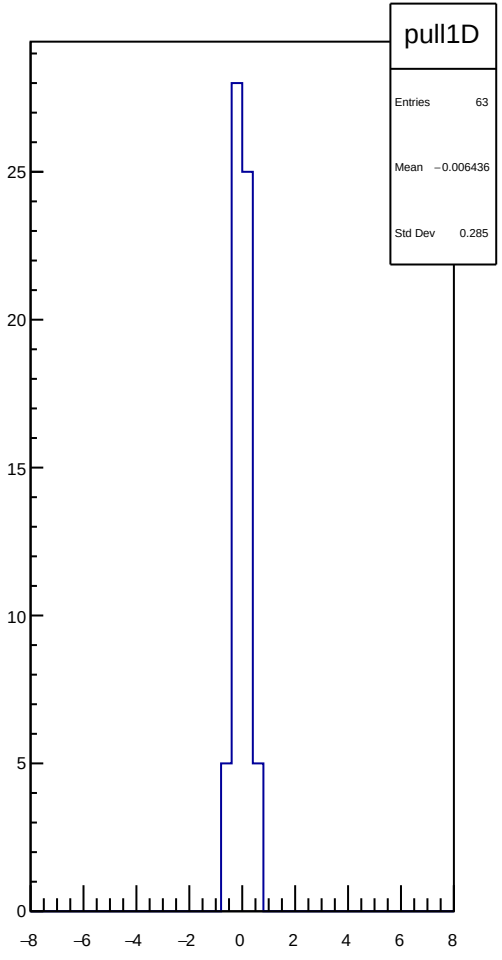

pull1D
Entries 63
Mean 0.001877
Std Dev 0.1846

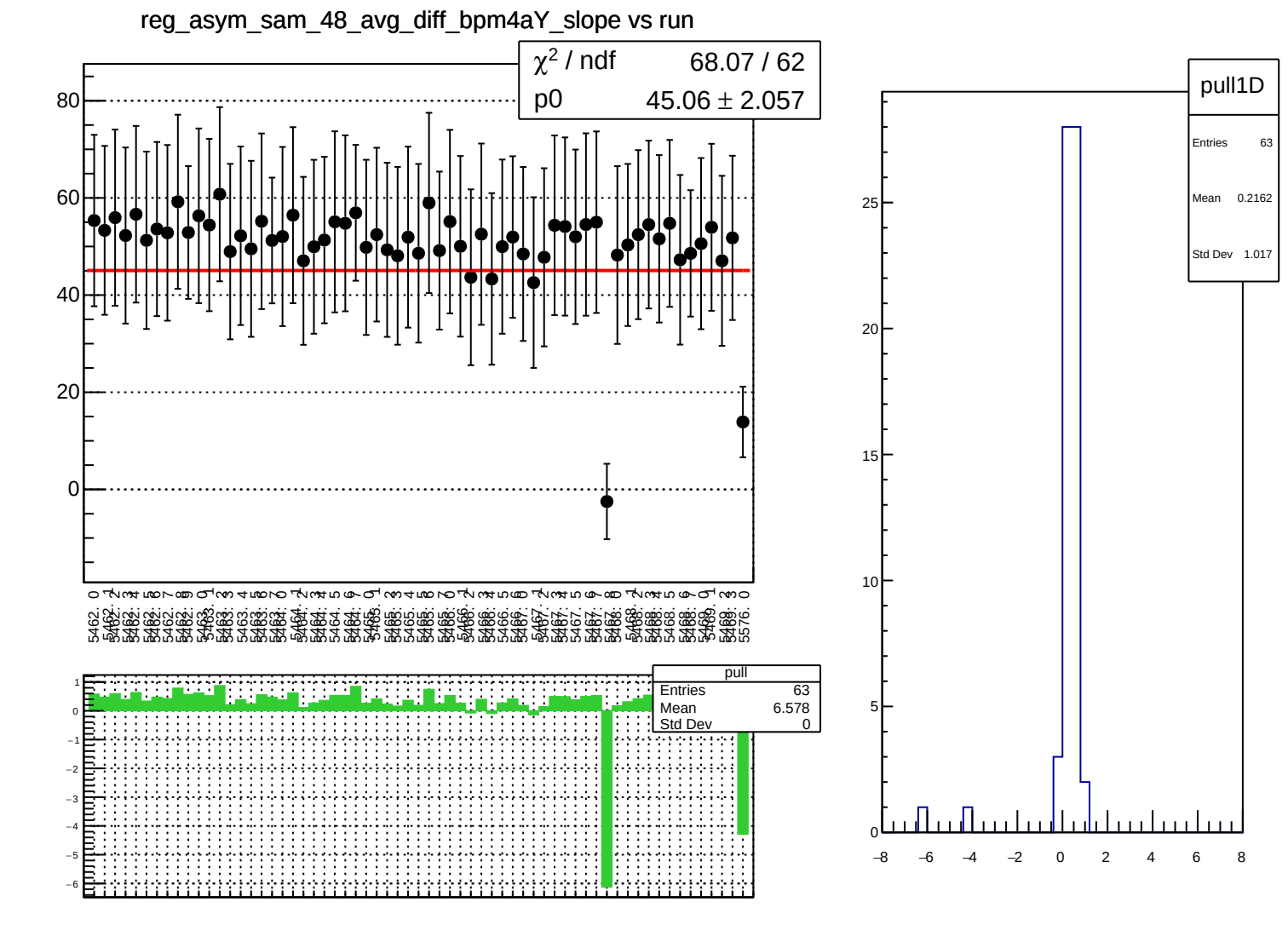

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 110.6 / 62
p0 51.68 ± 5.28
150
100
50
0
−50
−100
−150
pull
Entries 63
Mean 15.9
Std Dev 0
0
−2
−4
−6
−8

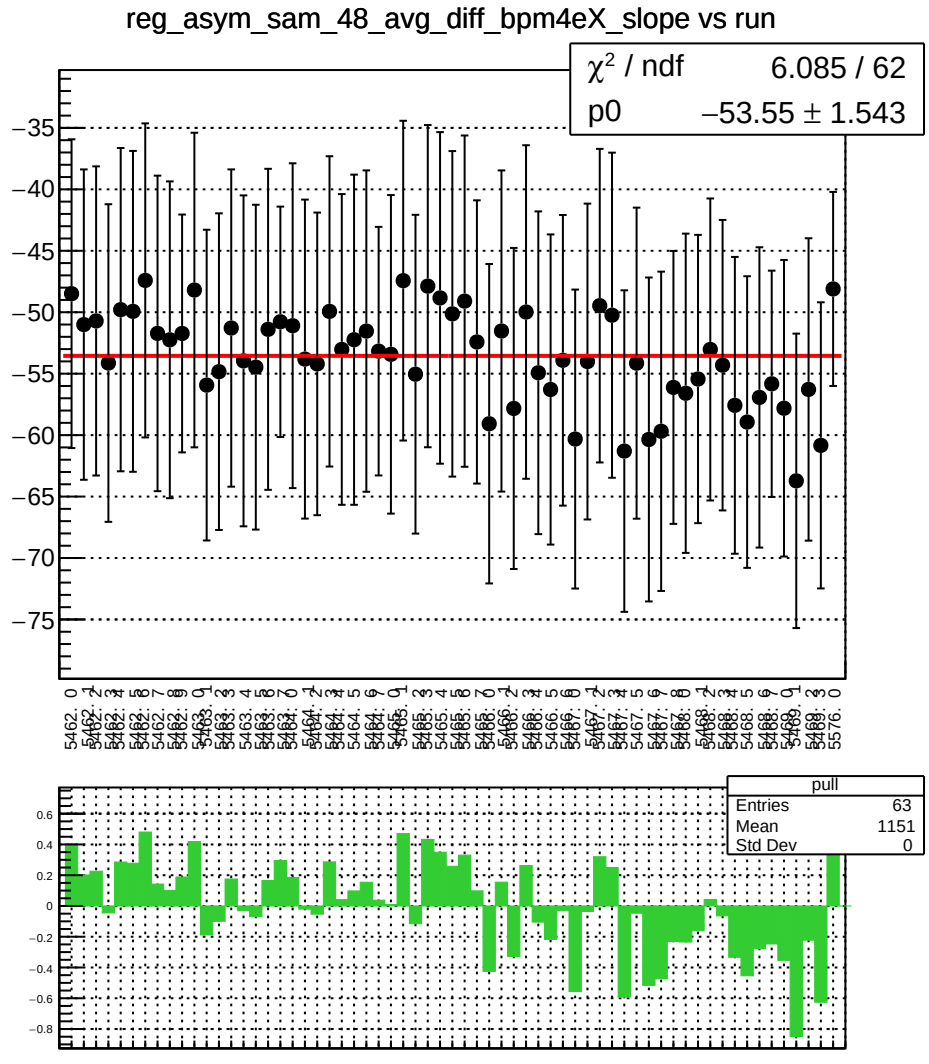

pull1D
Entries 63
Mean 0.3873
Std Dev 0.4808
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

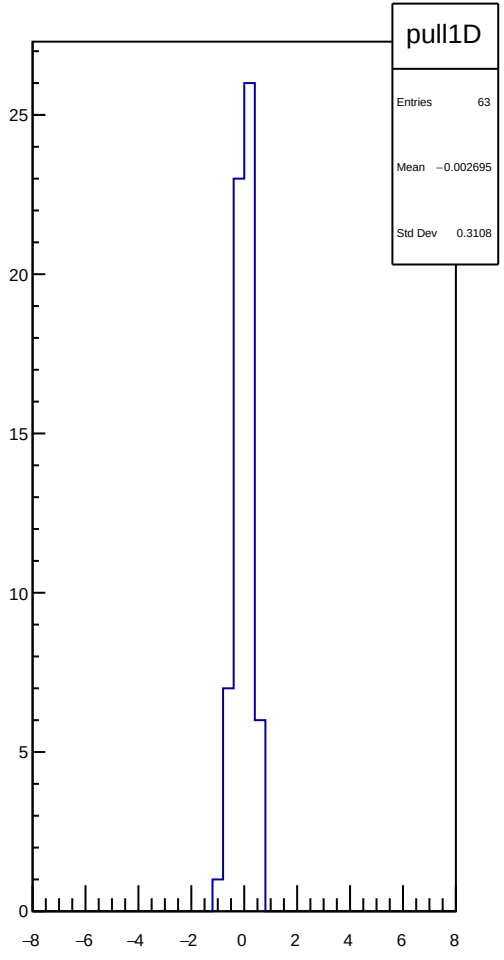

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.211 / 62
p0 −0.5545 ± 0.1379
pull
Entries 63
Mean 1126
Std Dev 0
pull1D
Entries 63
Mean −0.0008413
Std Dev 0.1386

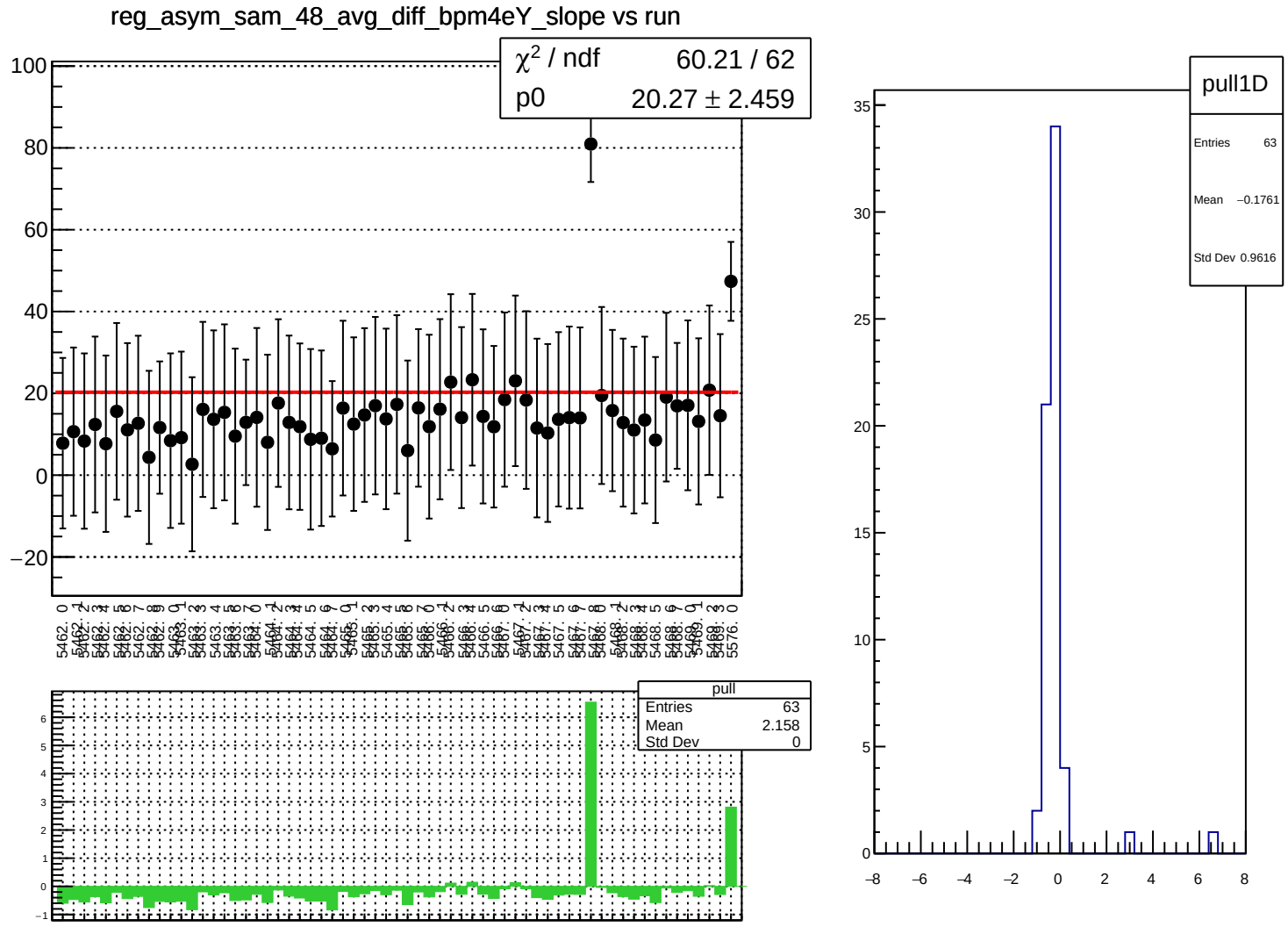

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.12 / 62
p0 −25.13 ± 1.966
pull
Entries 63
Mean −401.8
Std Dev 0

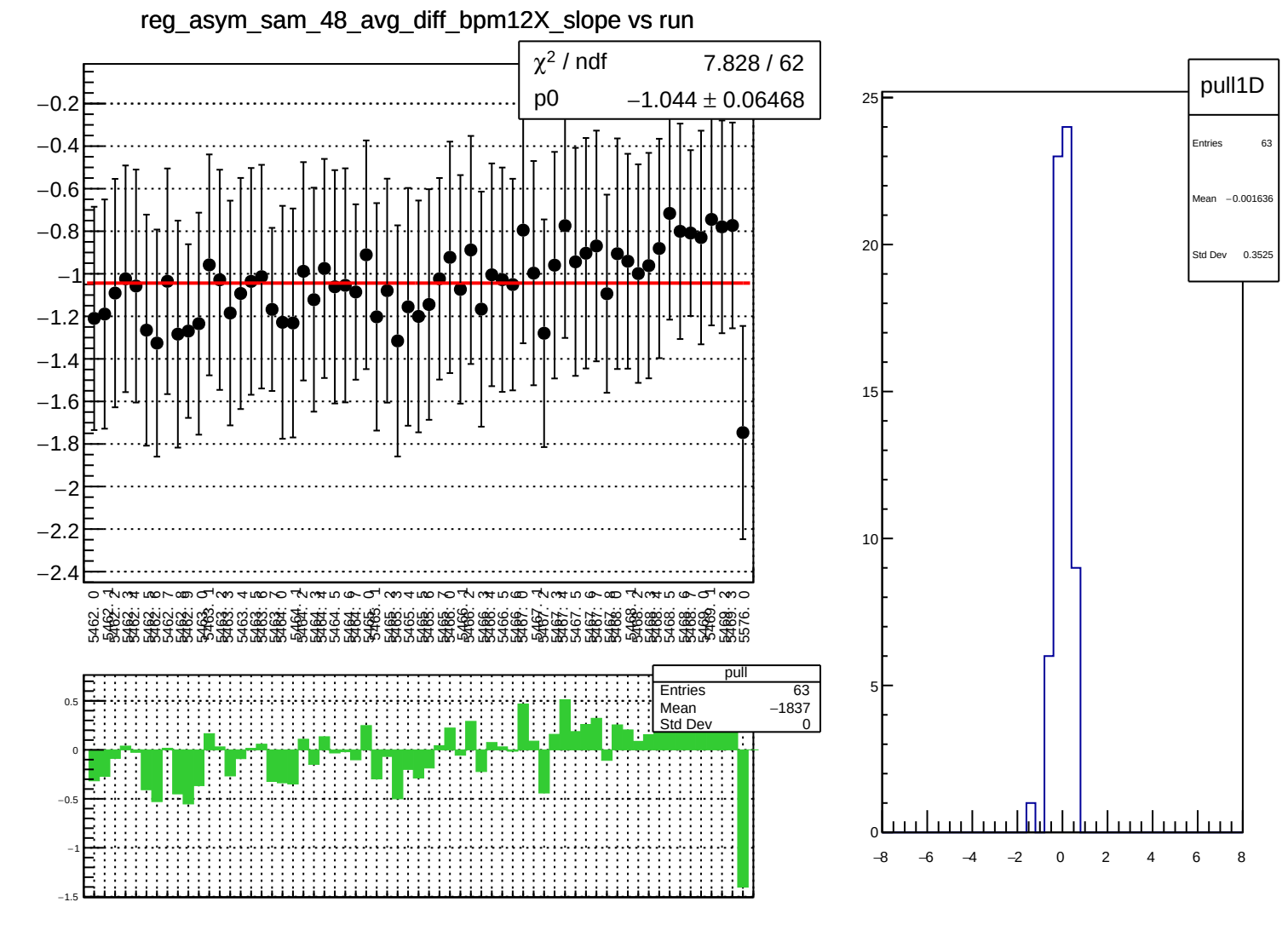

pull1D
Entries 63
Mean −0.006436
Std Dev 0.285

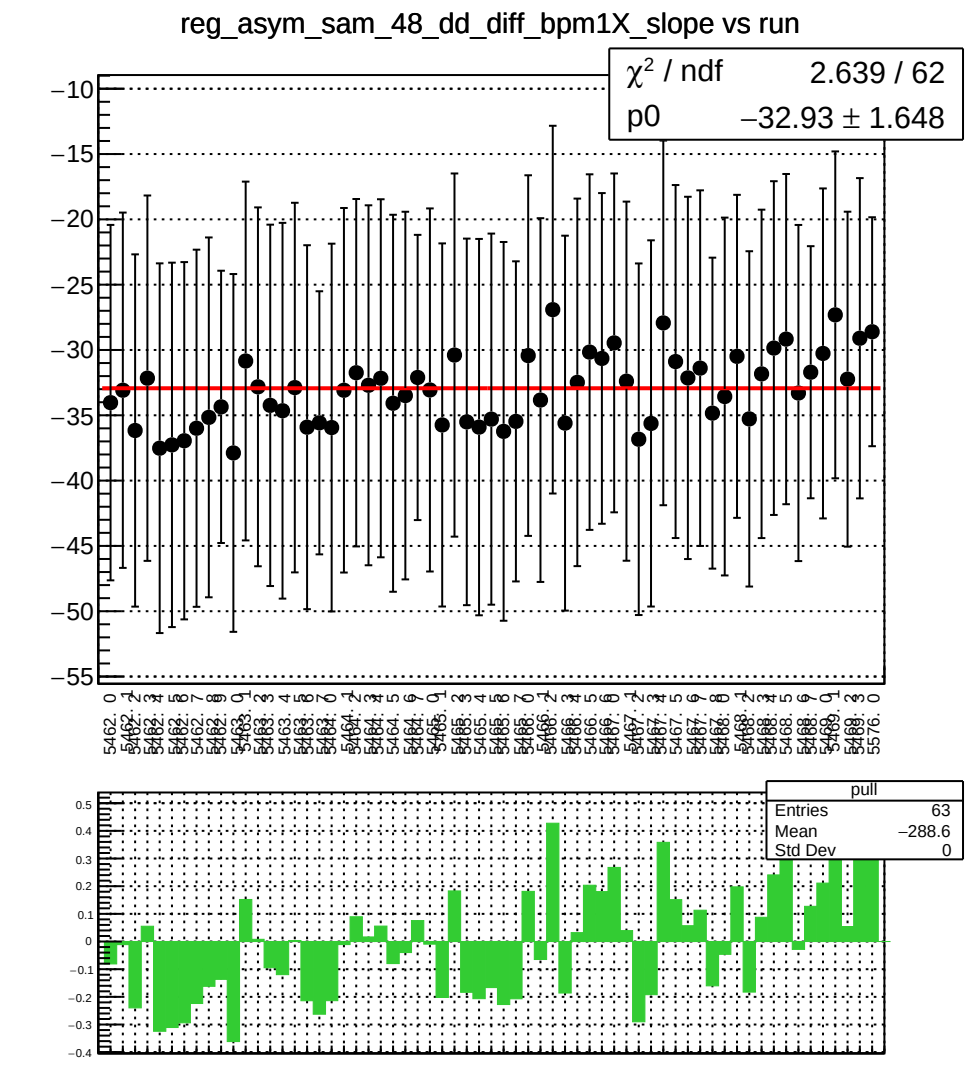

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 68.07 / 62
p0 45.06 ± 2.057
pull
Entries 63
Mean 6.578
Std Dev 0
pull1D
Entries 63
Mean 0.2162
Std Dev 1.017

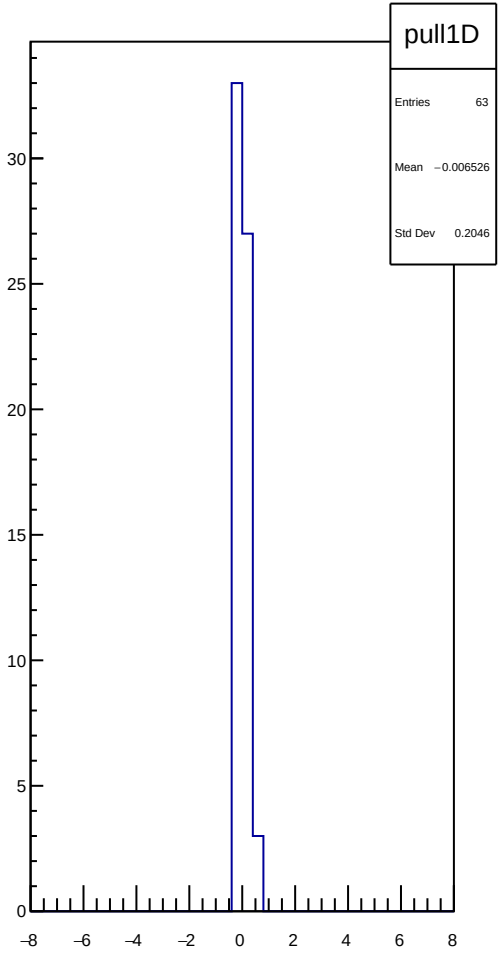

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.085 / 62
p0 −53.55 ± 1.543
pull
Entries 63
Mean 1151
Std Dev 0

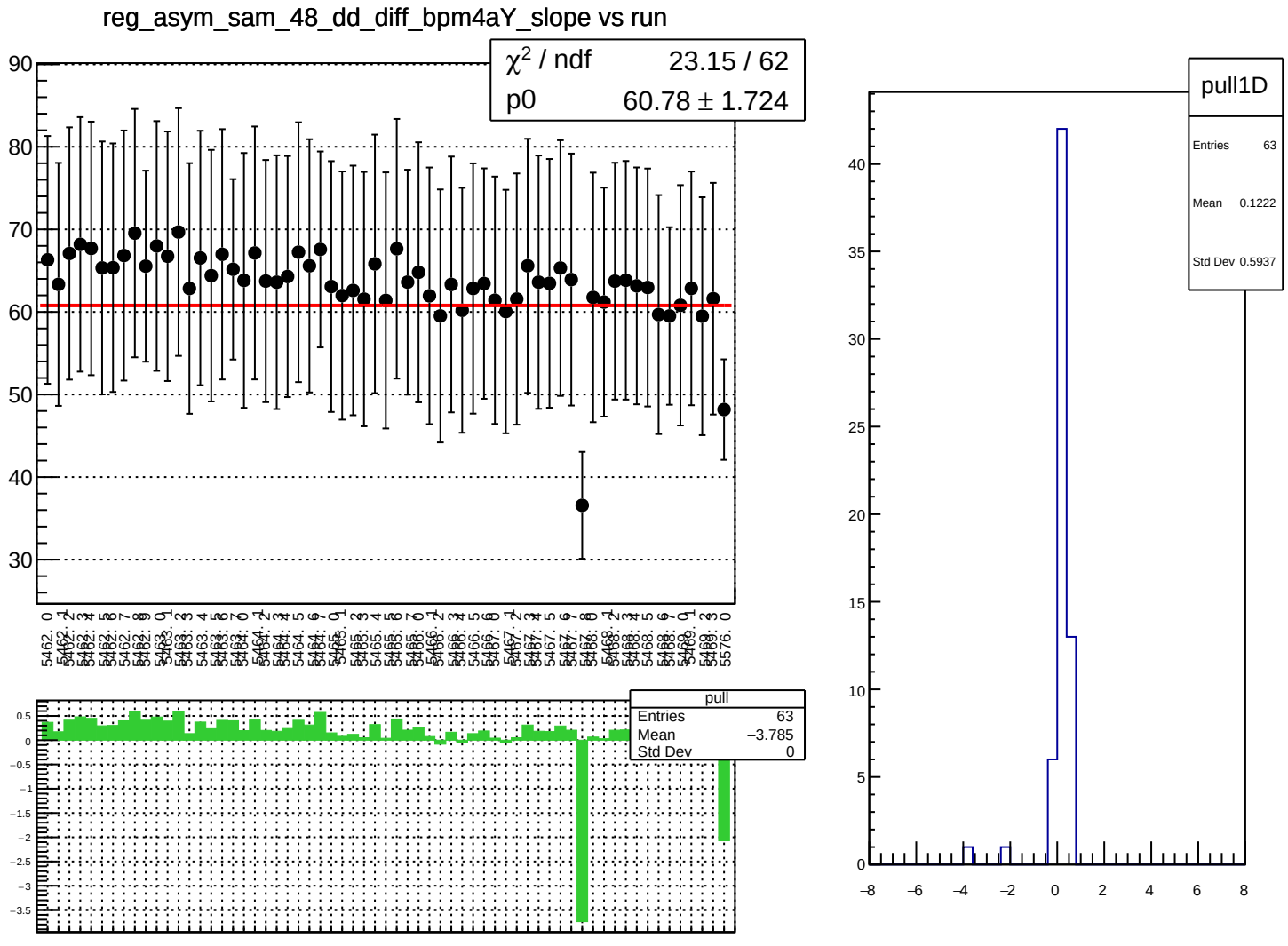

pull1D
Entries 63
Mean −0.002695
Std Dev 0.3108

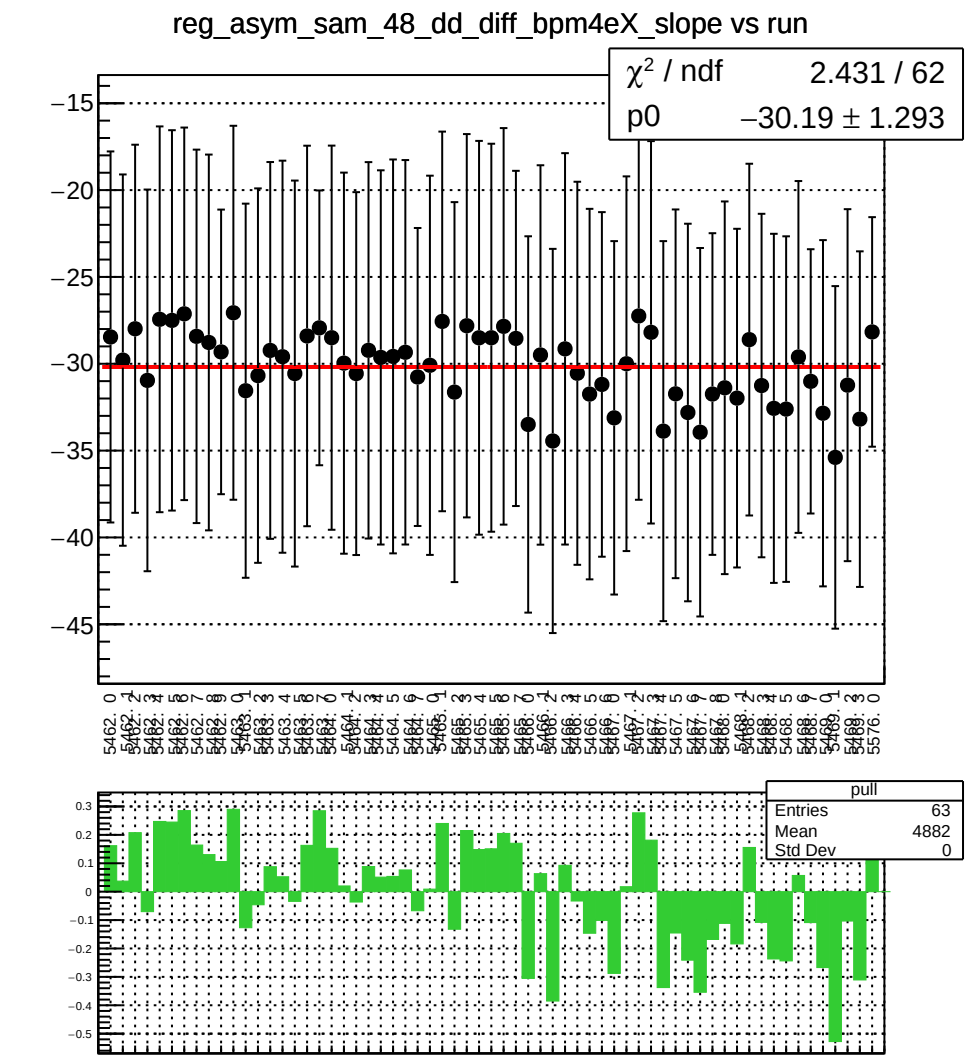

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.21 / 62
p0 20.27 ± 2.459
pull
Entries 63
Mean 2.158
Std Dev 0
pull1D
Entries 63
Mean −0.1761
Std Dev 0.9616

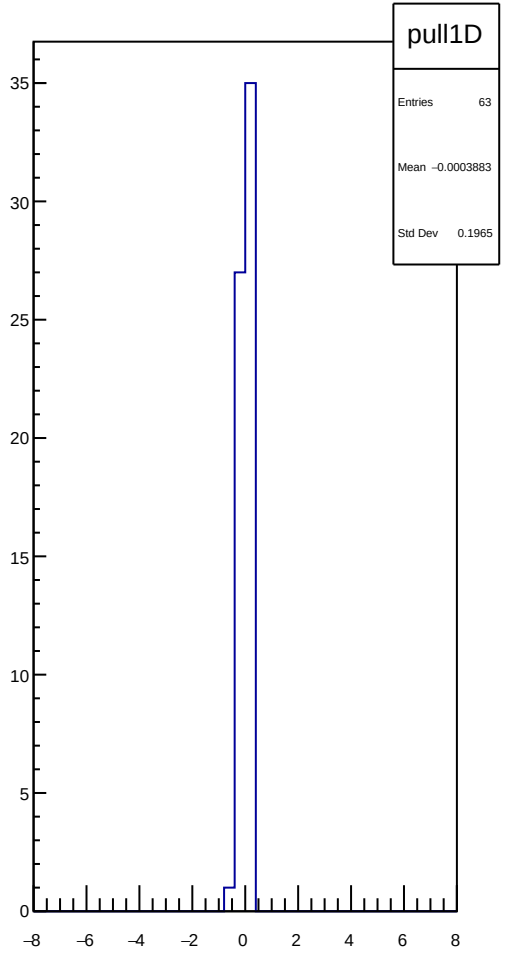

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.828 / 62
p0 −1.044 ± 0.06468
pull
Entries 63
Mean −1837
Std Dev 0
pull1D
Entries 63
Mean −0.001636
Std Dev 0.3525

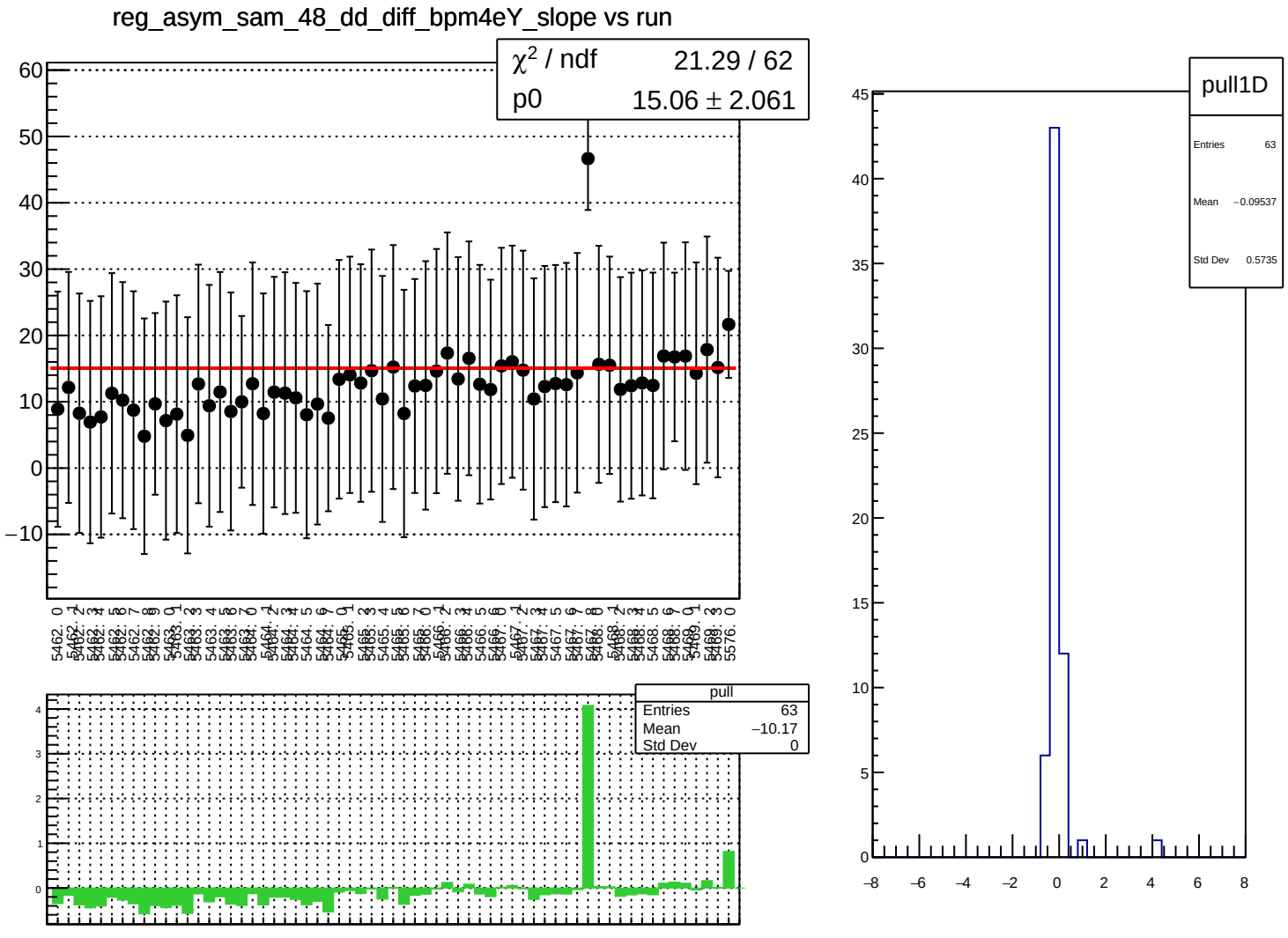

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.639 / 62
p0 −32.93 ± 1.648
pull
Entries 63
Mean −288.6
Std Dev 0

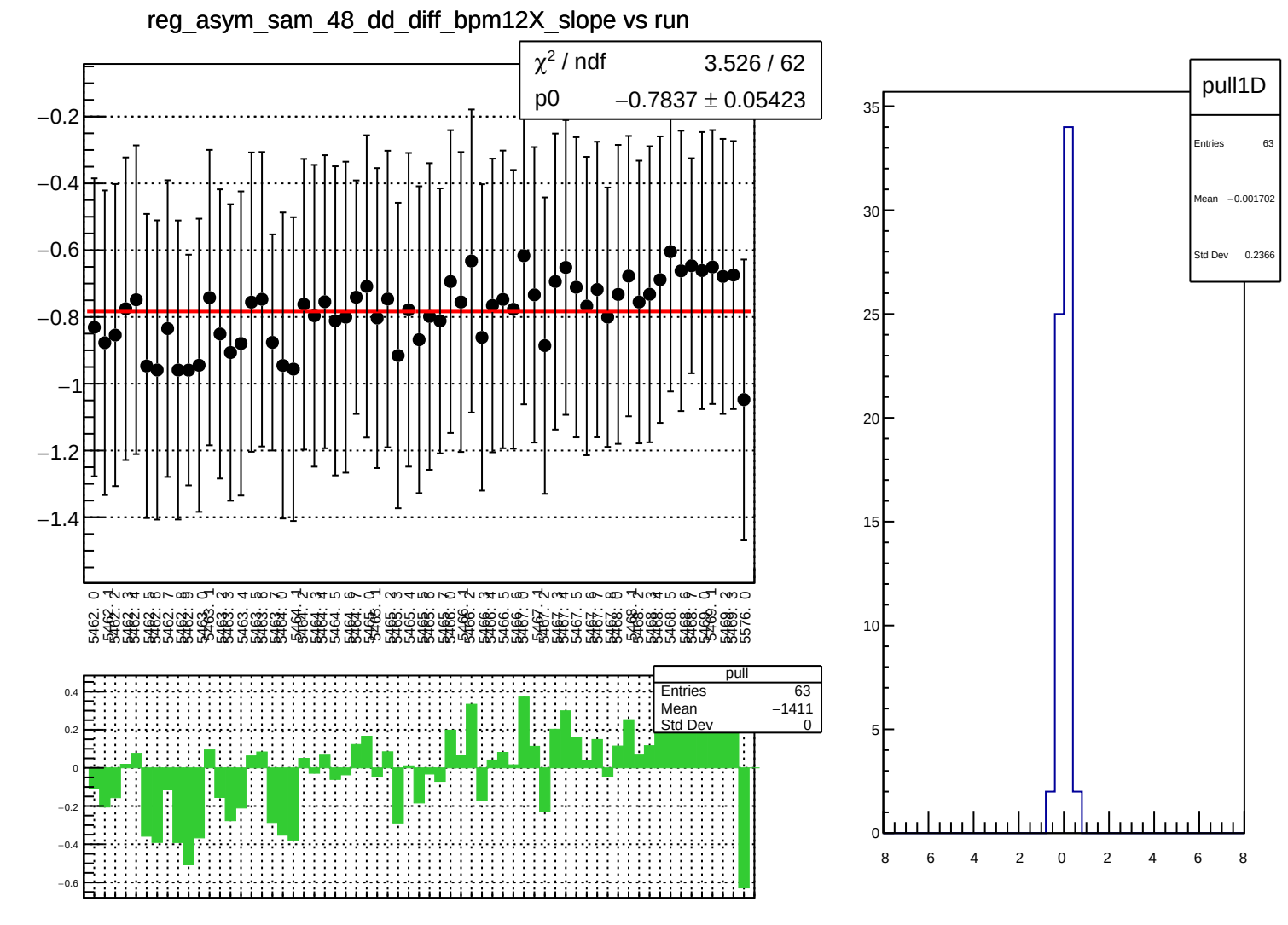

pull1D
Entries 63
Mean −0.006526
Std Dev 0.2046

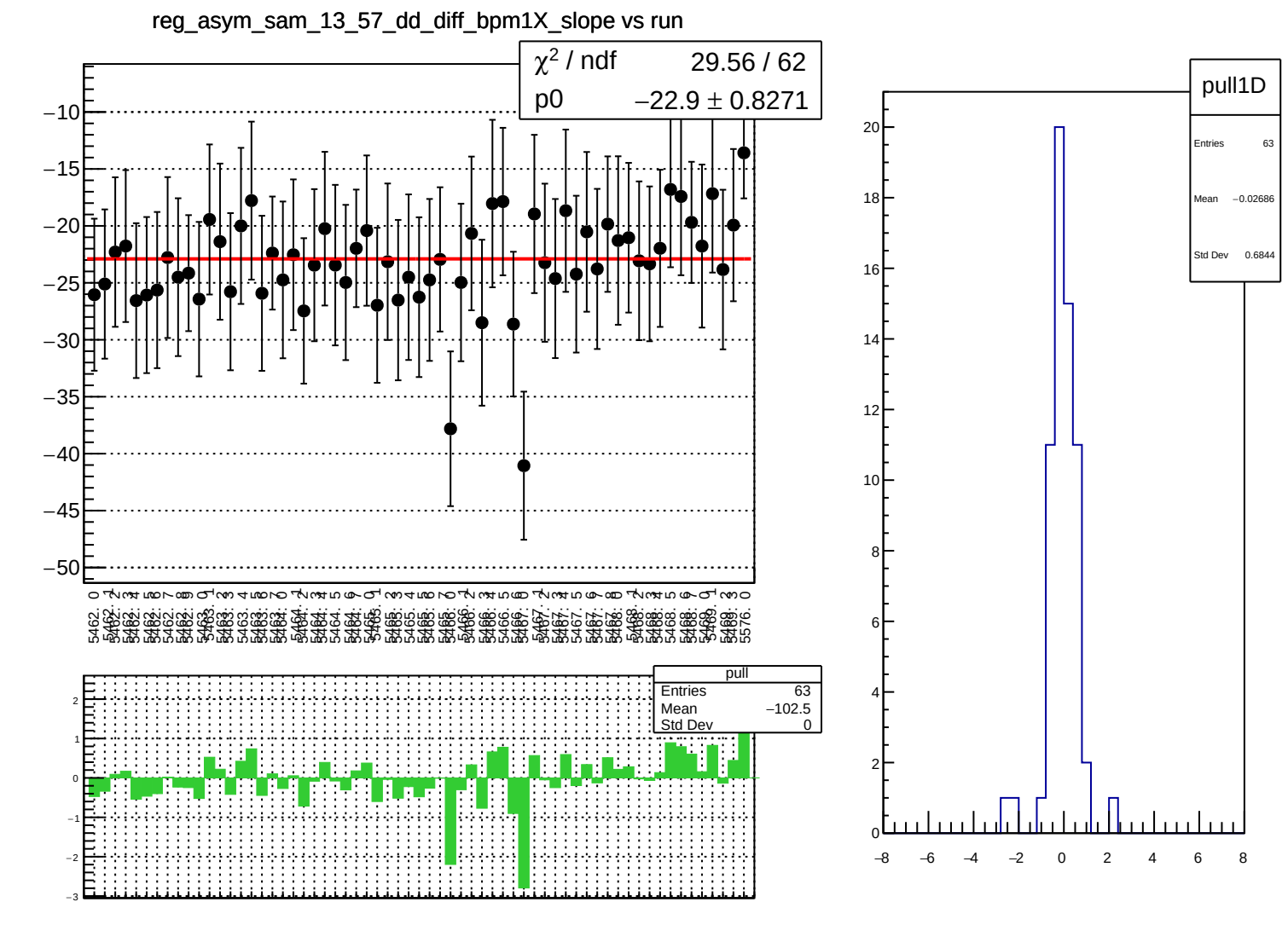

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.15 / 62
p0 60.78 ± 1.724
pull
Entries 63
Mean −3.785
Std Dev 0
pull1D
Entries 63
Mean 0.1222
Std Dev 0.5937

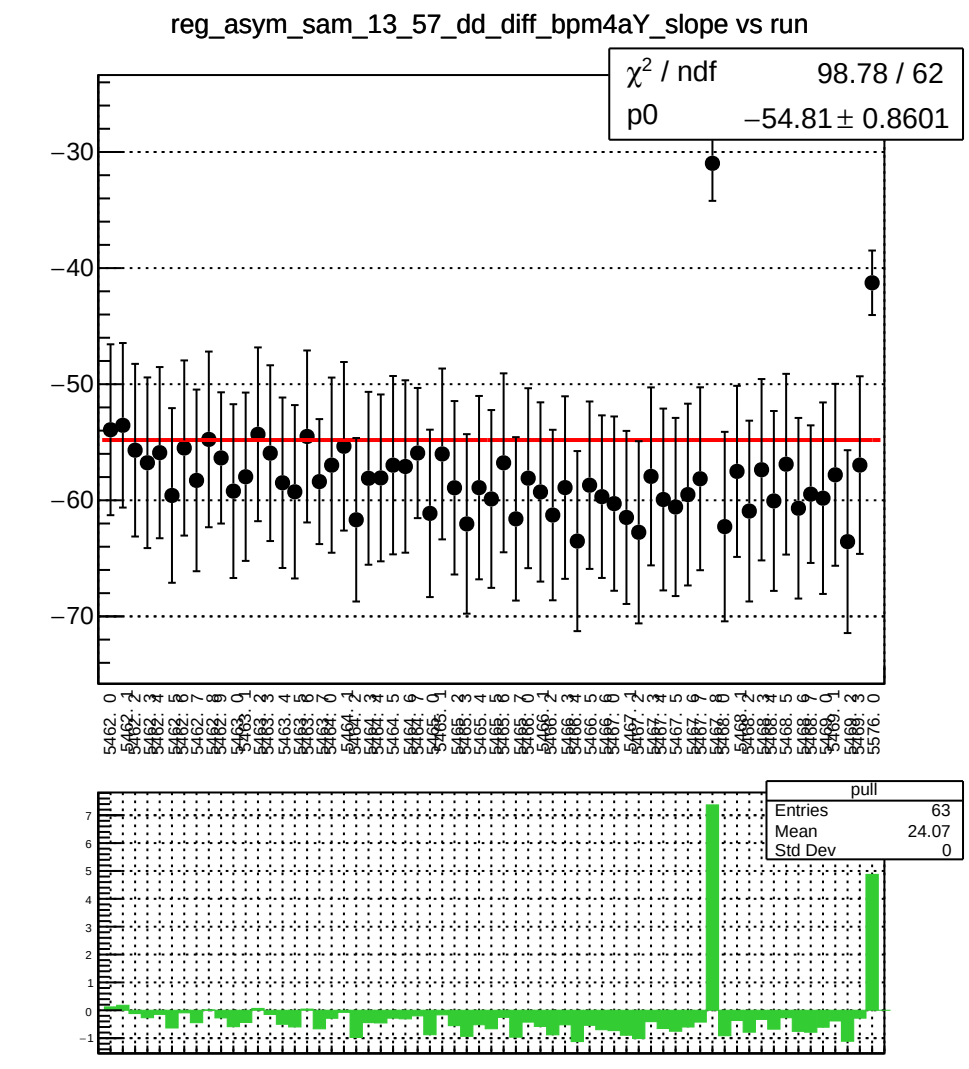

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.431 / 62
p0 −30.19 ± 1.293
pull
Entries 63
Mean 4882
Std Dev 0

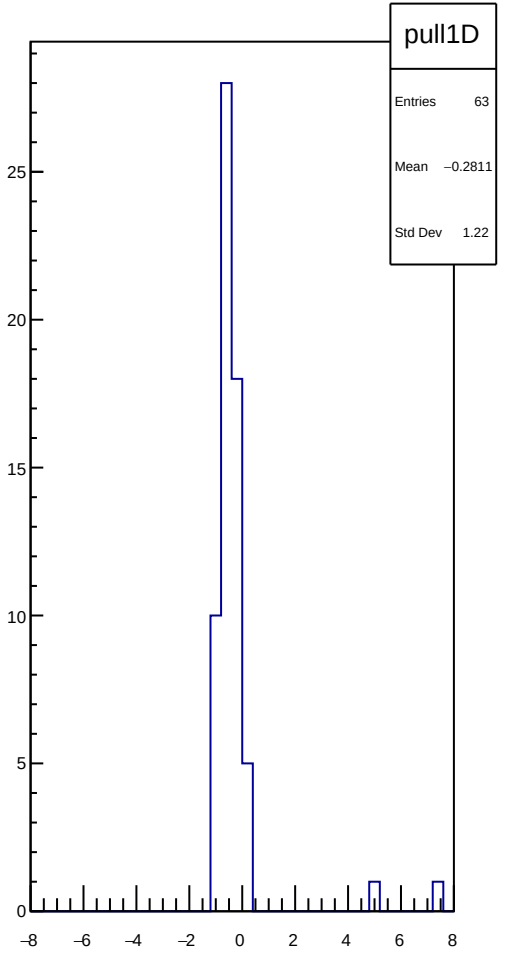

pull1D
Entries 63
Mean −0.0003883
Std Dev 0.1965

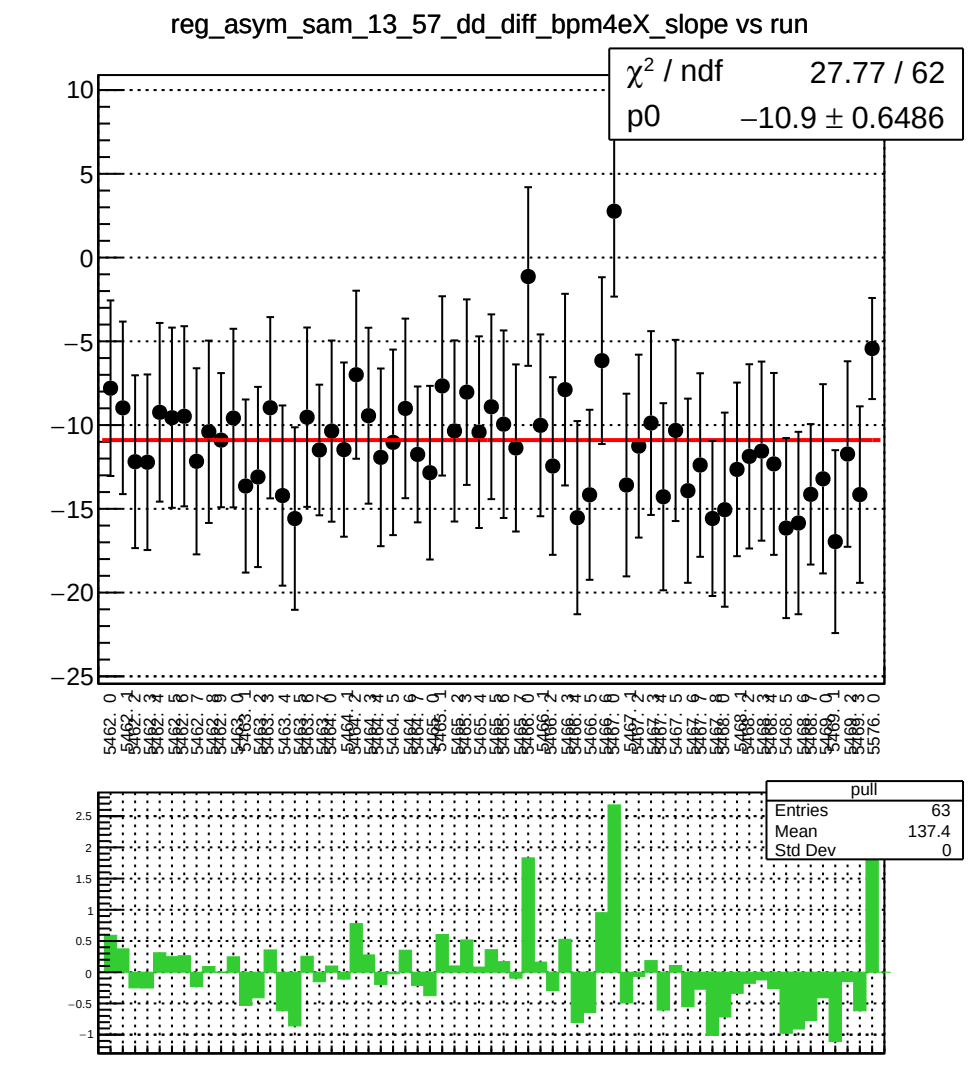

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.29 / 62
p0 15.06 ± 2.061
pull
Entries 63
Mean −10.17
Std Dev 0
pull1D
Entries 63
Mean −0.09537
Std Dev 0.5735

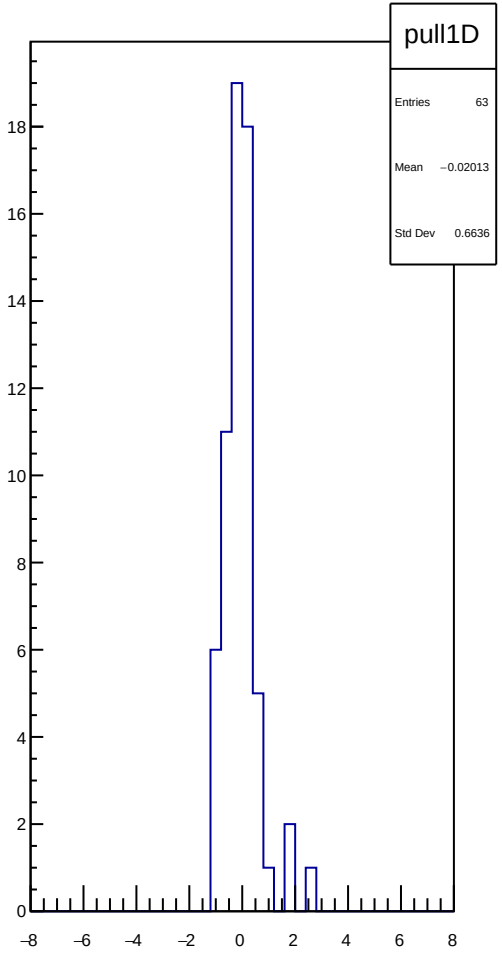

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.526 / 62
p0 −0.7837 ± 0.05423
pull
Entries 63
Mean −1411
Std Dev 0
pull1D
Entries 63
Mean −0.001702
Std Dev 0.2366

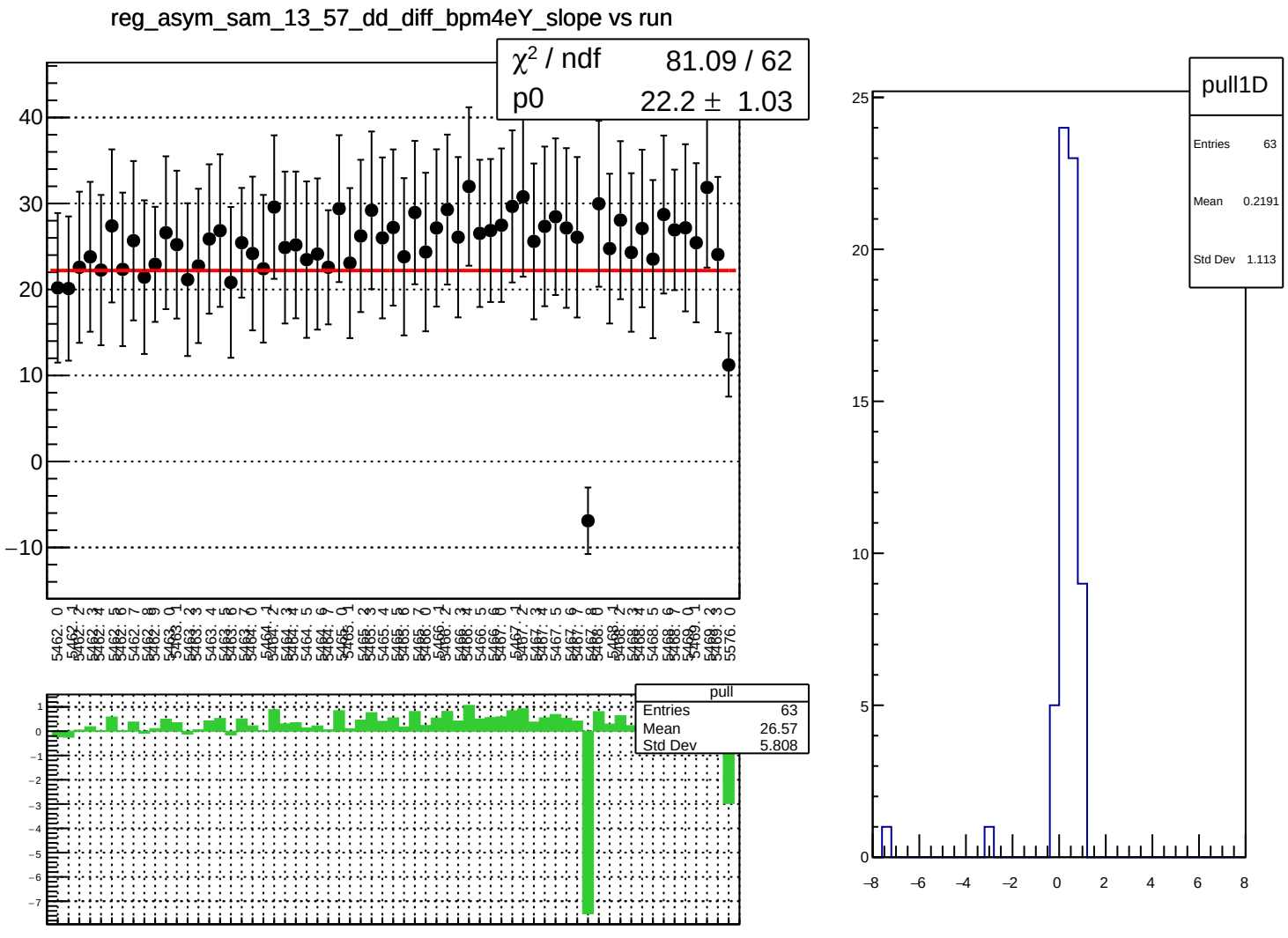

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 29.56 / 62
p0 −22.9 ± 0.8271
pull
Entries 63
Mean −102.5
Std Dev 0
pull1D
Entries 63
Mean −0.02686
Std Dev 0.6844

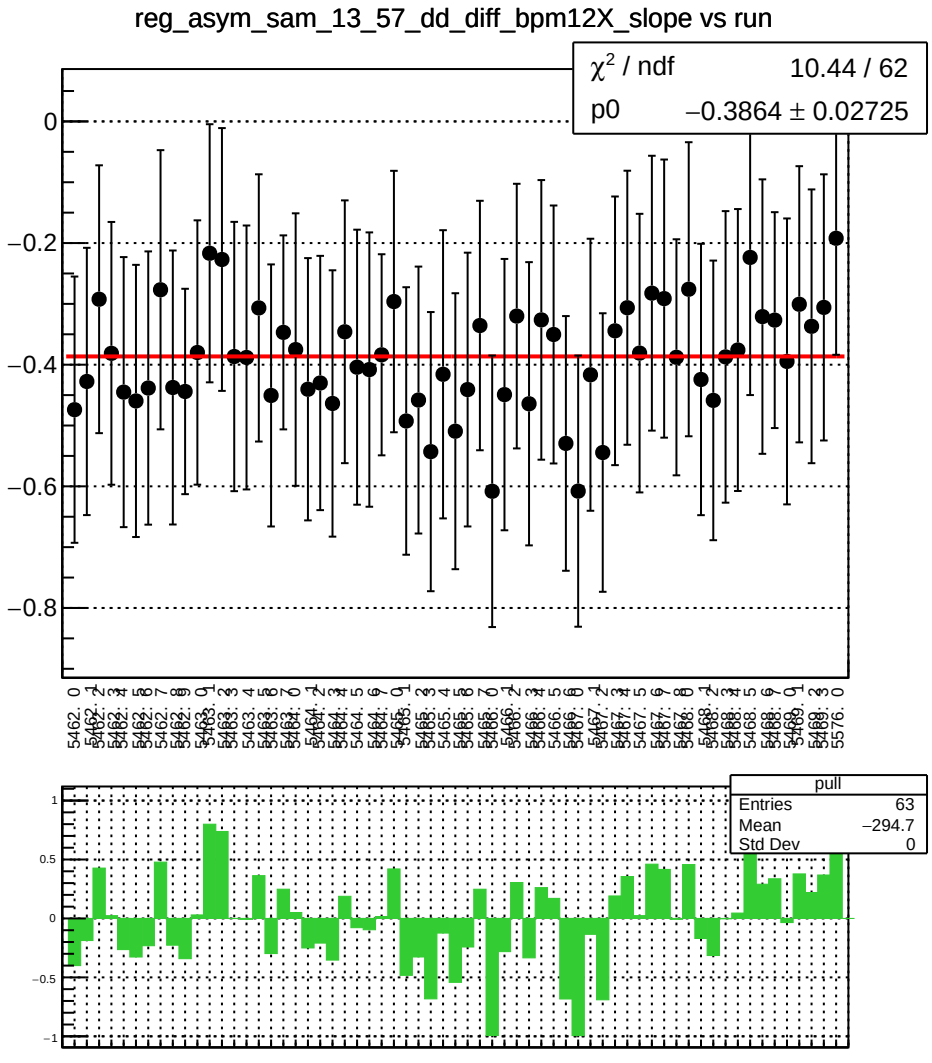

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.78 / 62
p0 −54.81 ± 0.8601
pull
Entries 63
Mean 24.07
Std Dev 0

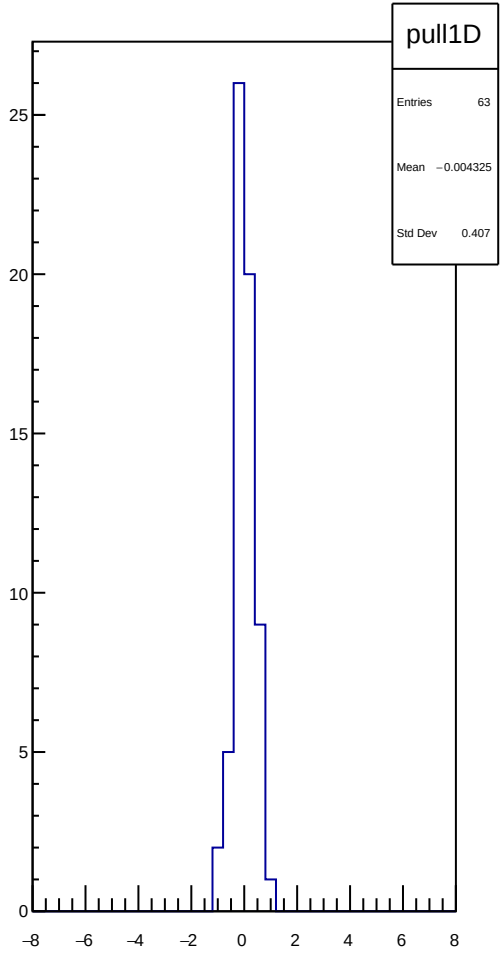

pull1D
Entries 63
Mean −0.2811
Std Dev 1.22

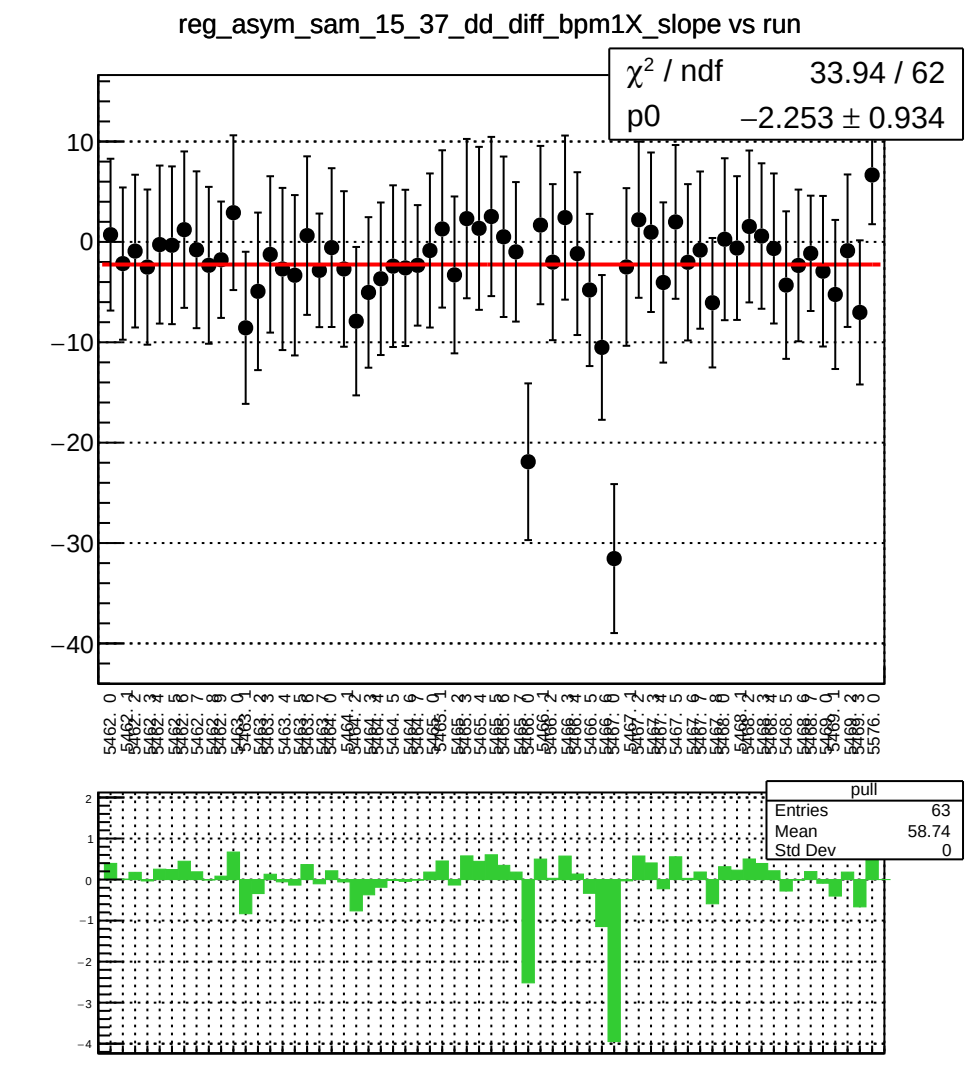

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.77 / 62
p0 −10.9 ± 0.6486
pull
Entries 63
Mean 137.4
Std Dev 0

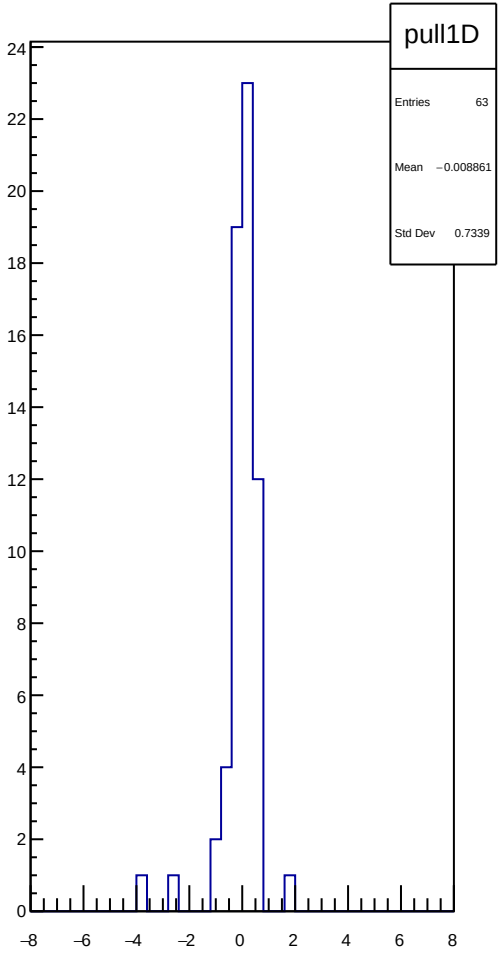

pull1D
Entries 63
Mean −0.02013
Std Dev 0.6636

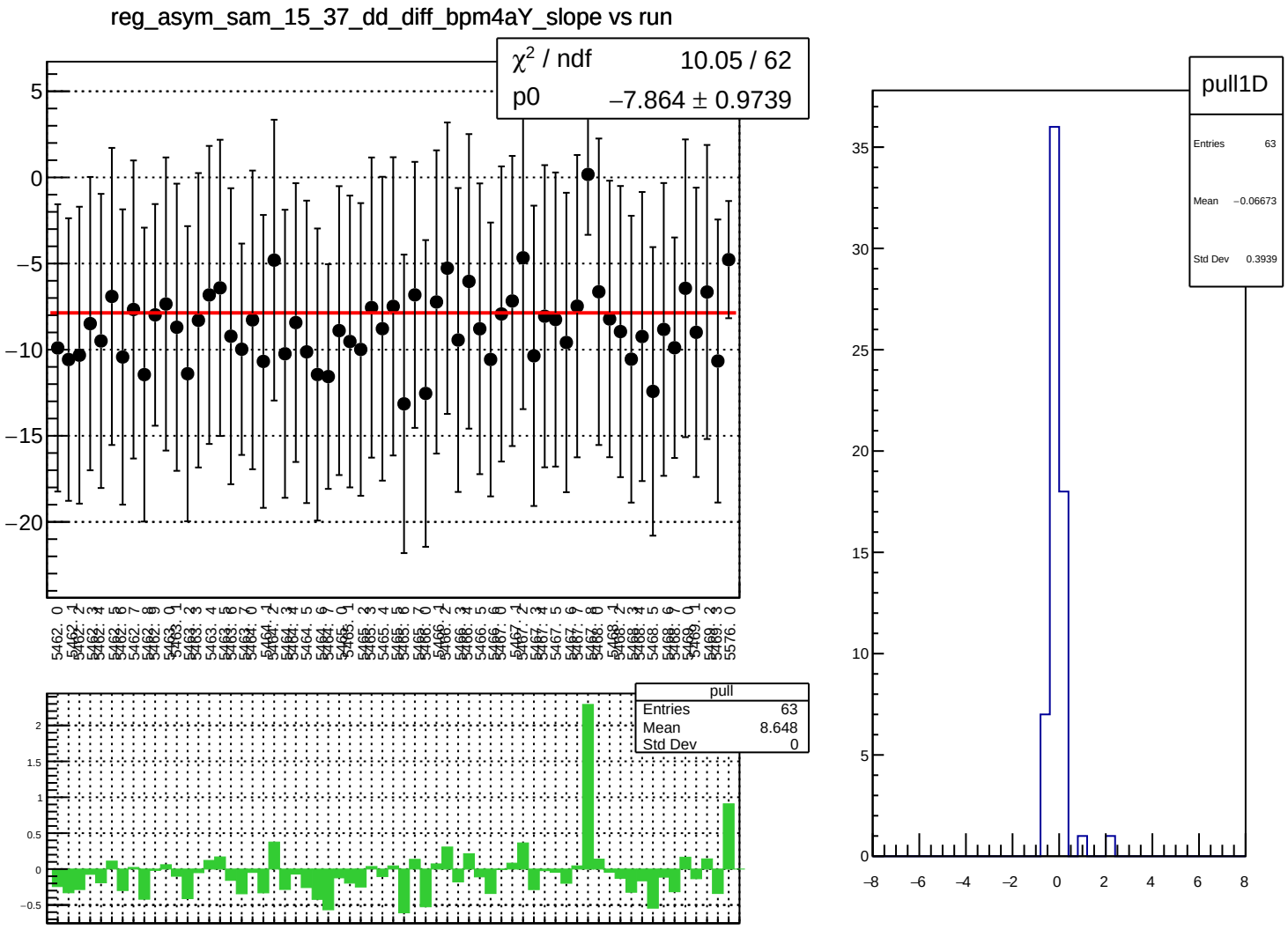

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.09 / 62
p0 22.2 ± 1.03
pull
Entries 63
Mean 26.57
Std Dev 5.808
pull1D
Entries 63
Mean 0.2191
Std Dev 1.113

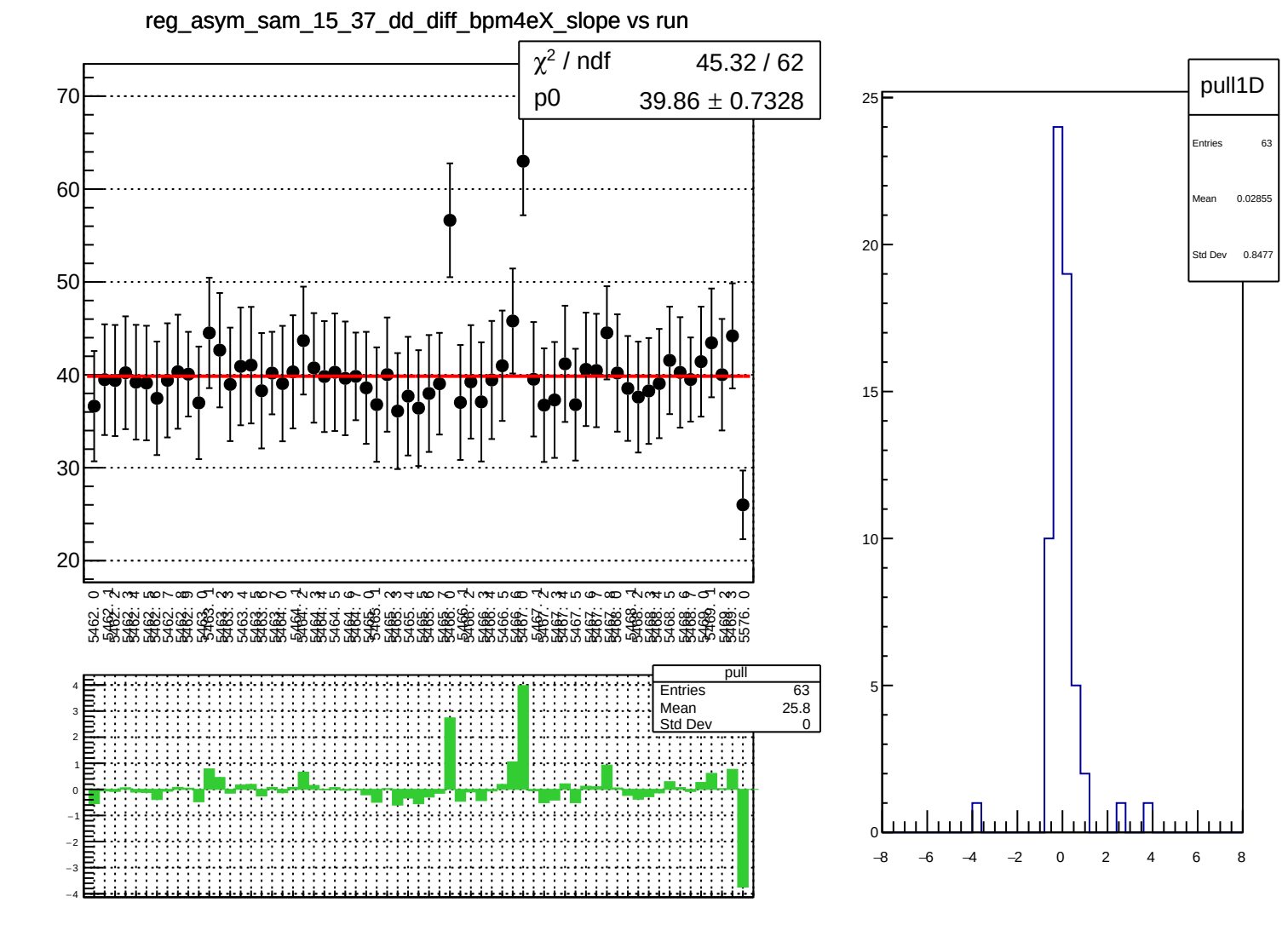

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 10.44 / 62
p0 −0.3864 ± 0.02725
pull
Entries 63
Mean −294.7
Std Dev 0

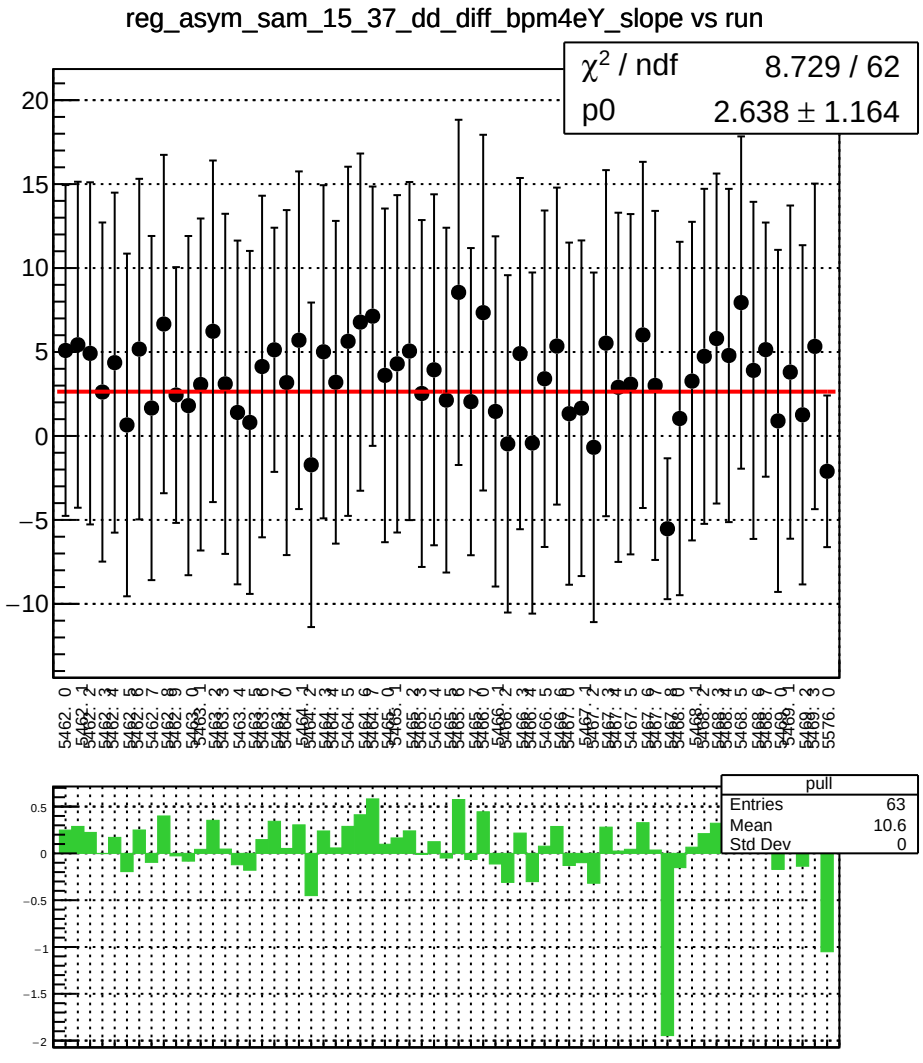

pull1D
Entries 63
Mean −0.004325
Std Dev 0.407

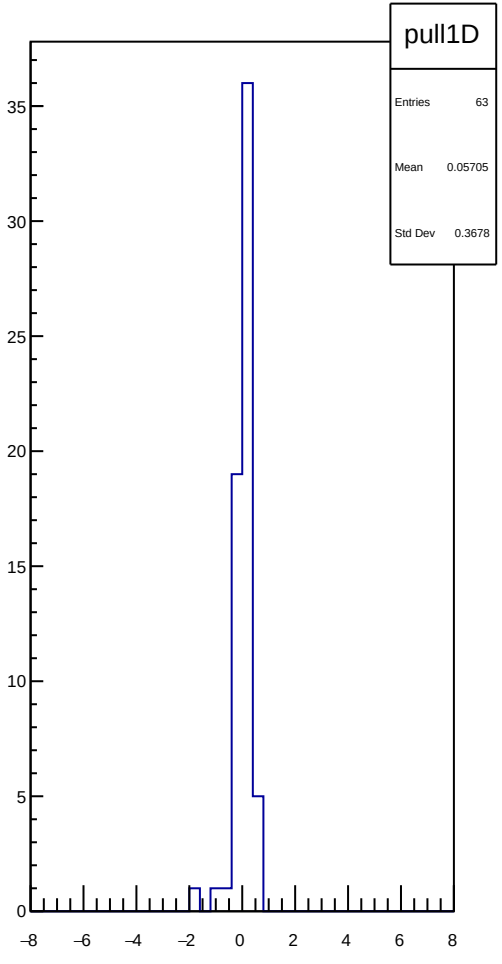

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 33.94 / 62
p0 −2.253 ± 0.934
pull
Entries 63
Mean 58.74
Std Dev 0

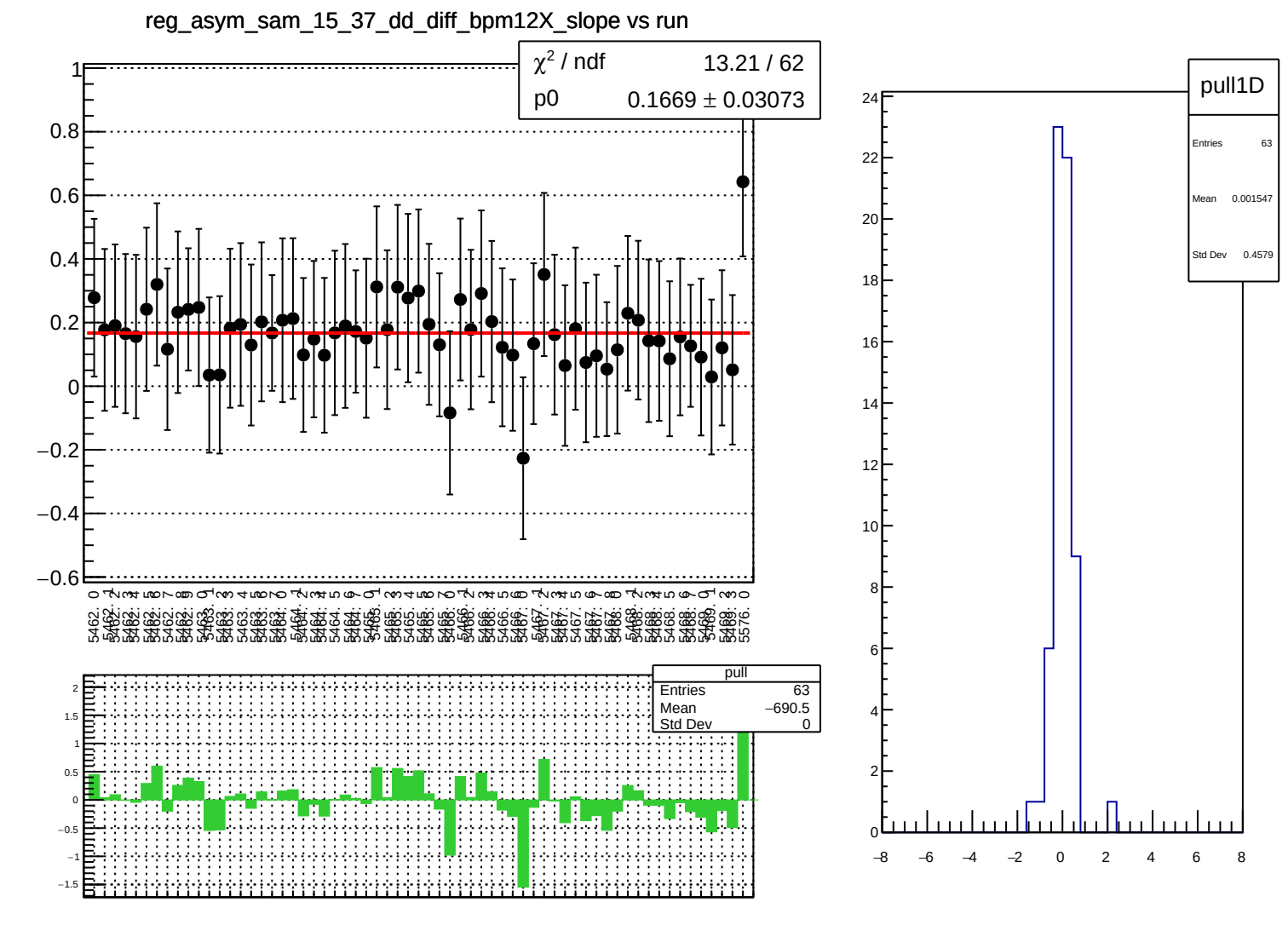

pull1D
Entries 63
Mean −0.008861
Std Dev 0.7339

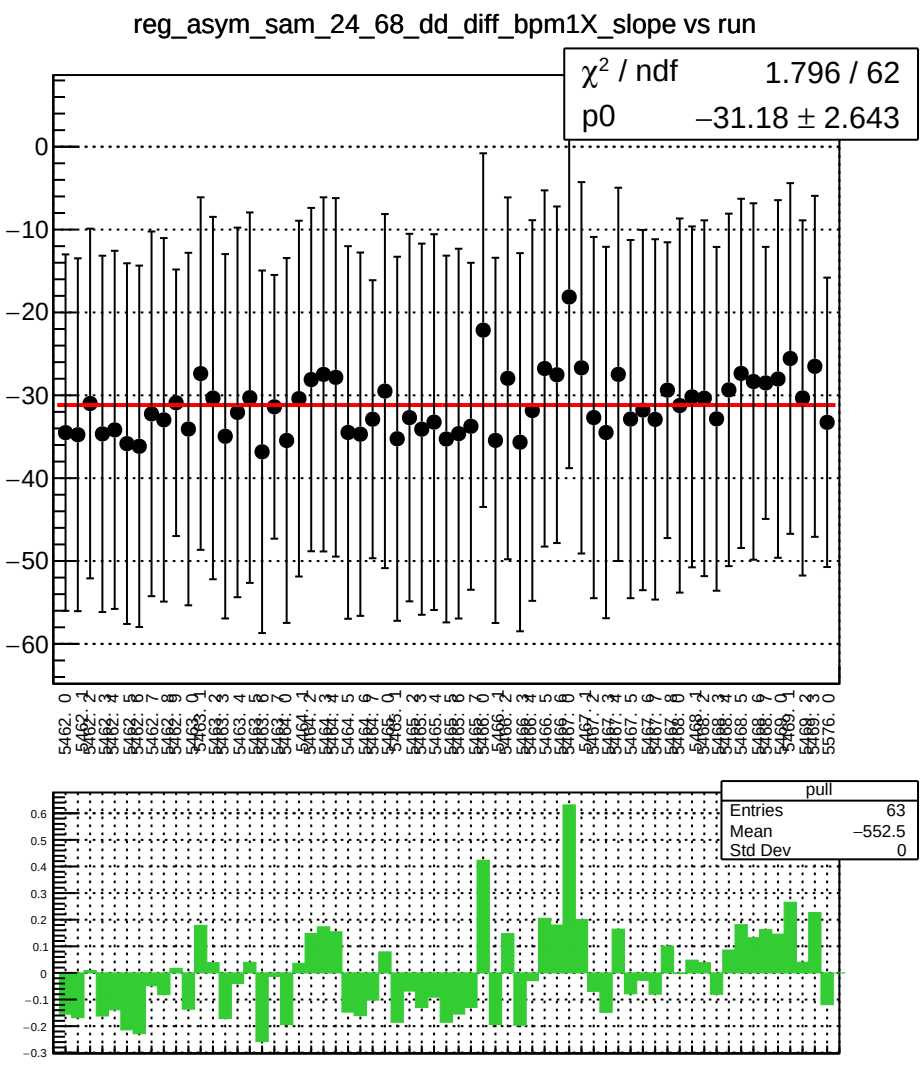

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.05 / 62
p0 −7.864 ± 0.9739
pull
Entries 63
Mean 8.648
Std Dev 0
pull1D
Entries 63
Mean −0.06673
Std Dev 0.3939

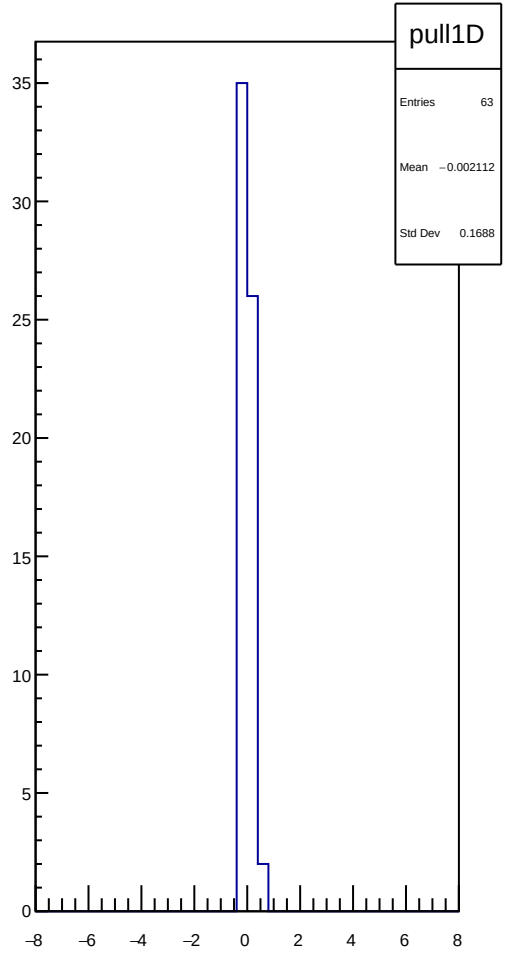

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.32 / 62
p0 39.86 ± 0.7328
pull
Entries 63
Mean 25.8
Std Dev 0
pull1D
Entries 63
Mean 0.02855
Std Dev 0.8477

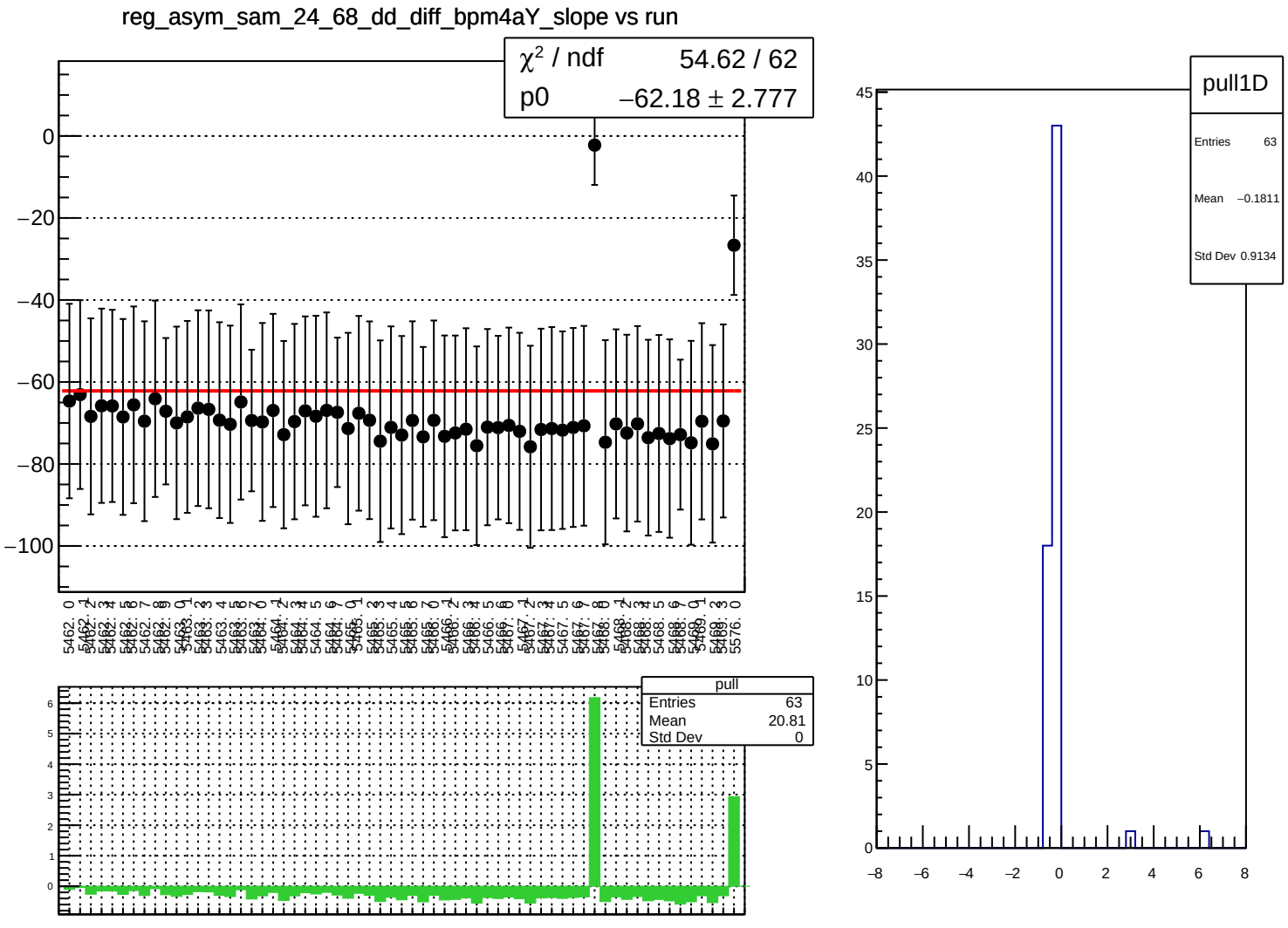

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.729 / 62
p0 2.638 ± 1.164
pull
Entries 63
Mean 10.6
Std Dev 0

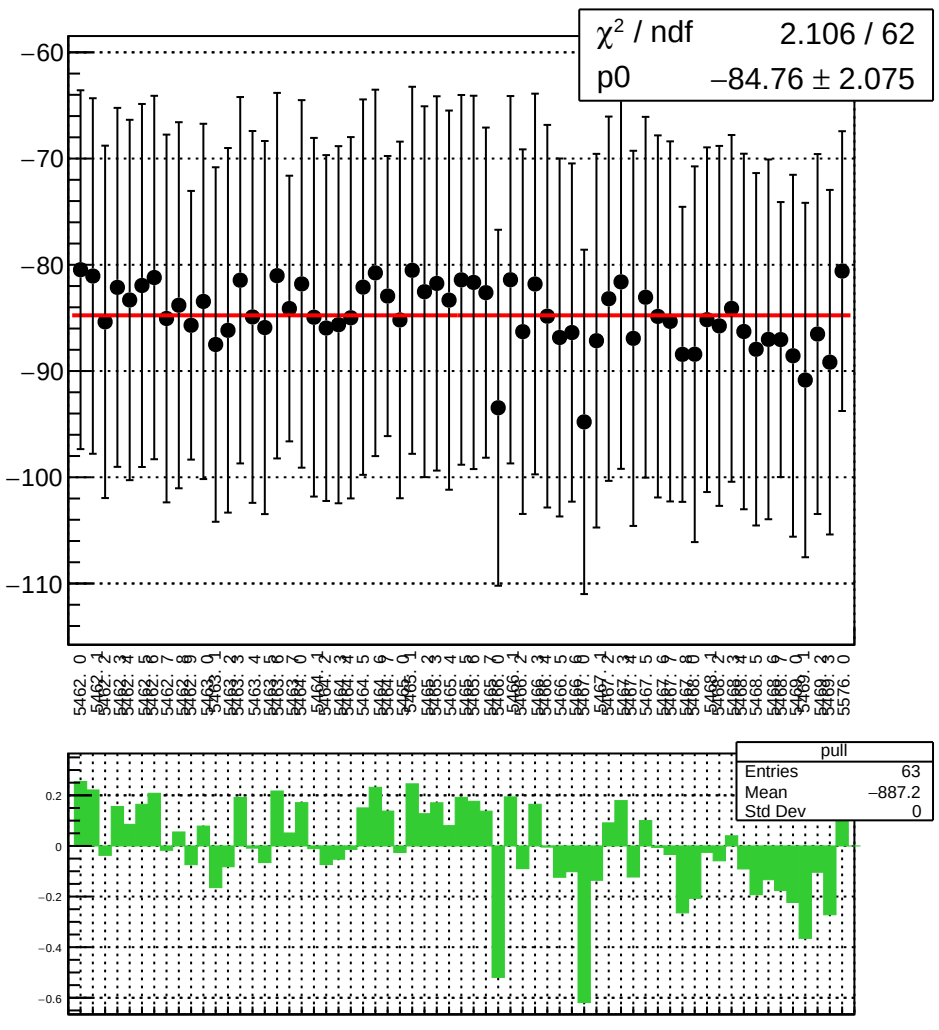

pull1D
Entries 63
Mean 0.05705
Std Dev 0.3678

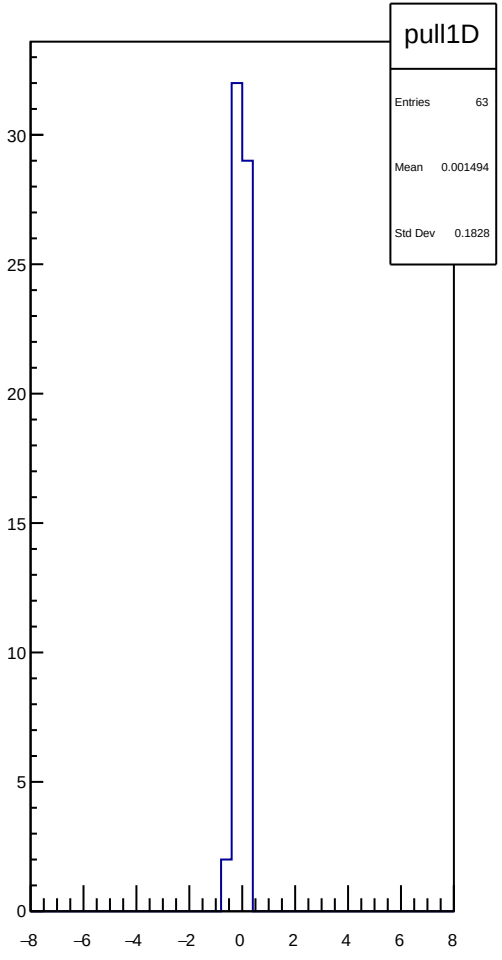

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 62
p0 0.1669 ± 0.03073
pull
Entries 63
Mean −690.5
Std Dev 0
pull1D
Entries 63
Mean 0.001547
Std Dev 0.4579

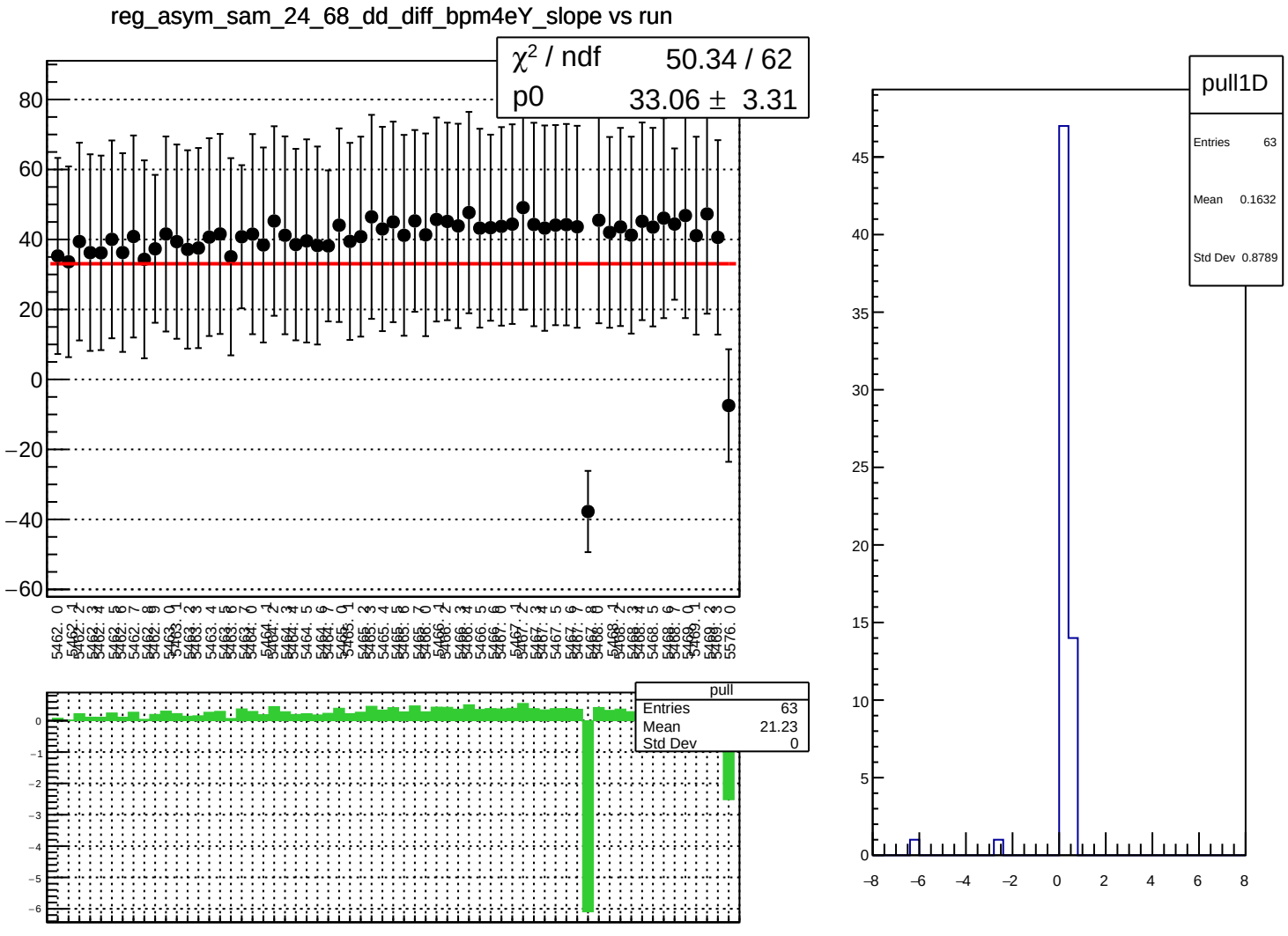

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.796 / 62
p0 −31.18 ± 2.643
pull
Entries 63
Mean −552.5
Std Dev 0

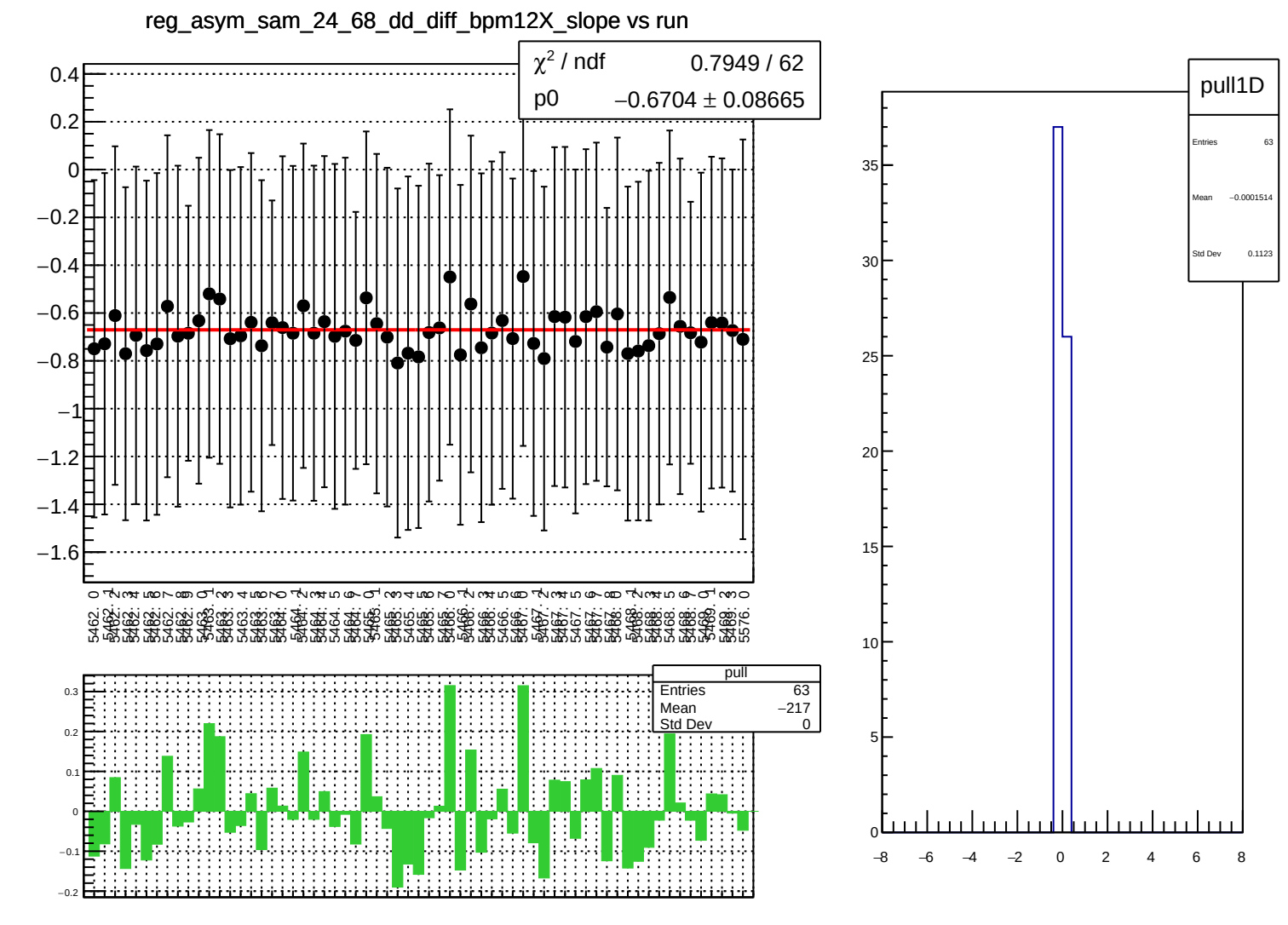

pull1D
Entries 63
Mean −0.002112
Std Dev 0.1688

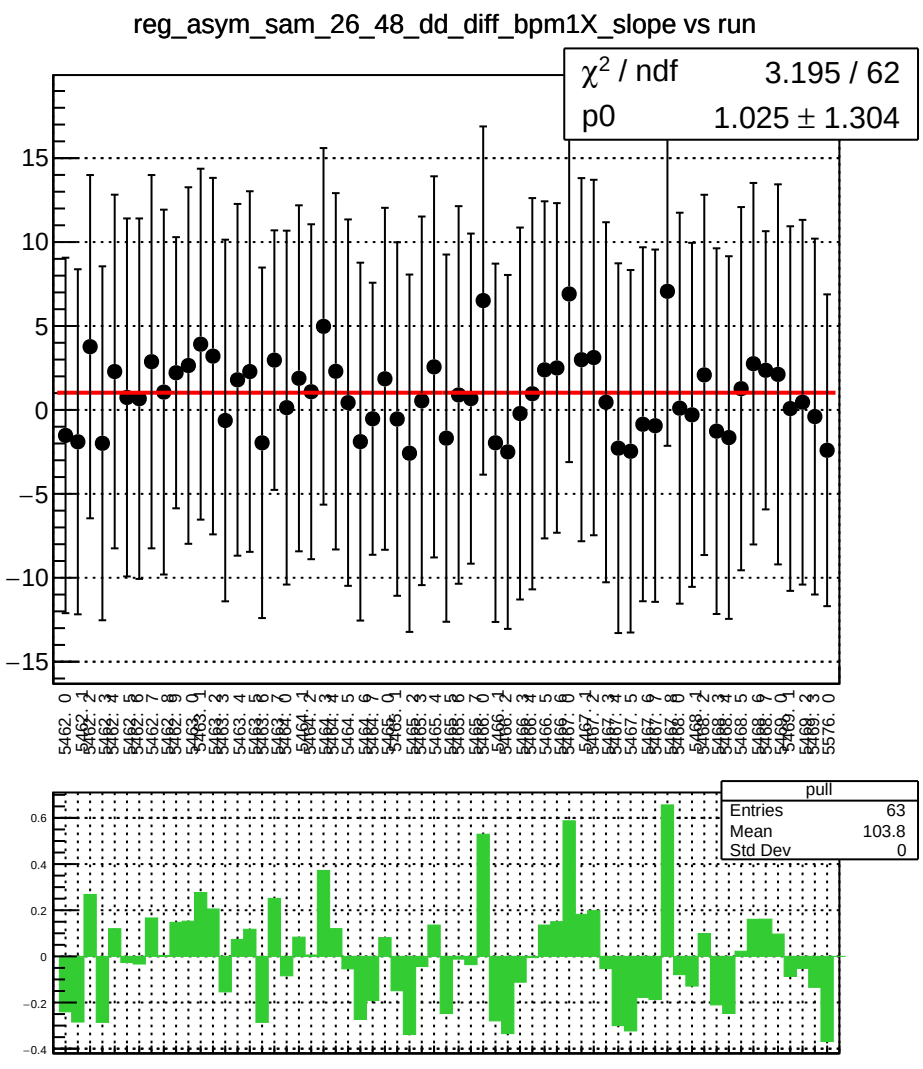

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.62 / 62
p0 −62.18 ± 2.777
pull
Entries 63
Mean 20.81
Std Dev 0
pull1D
Entries 63
Mean −0.1811
Std Dev 0.9134

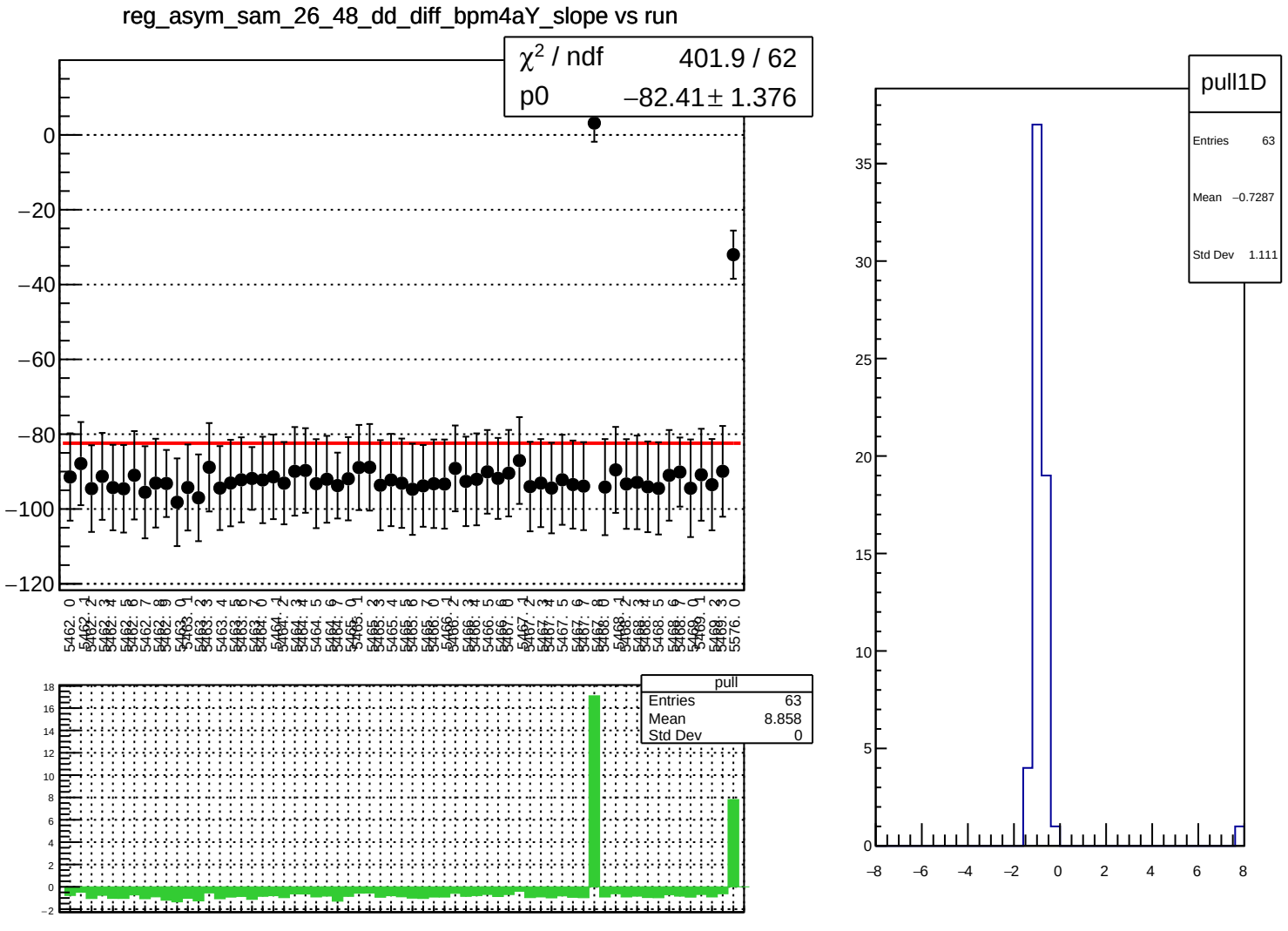

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.106 / 62
p0 −84.76 ± 2.075
pull
Entries 63
Mean −887.2
Std Dev 0

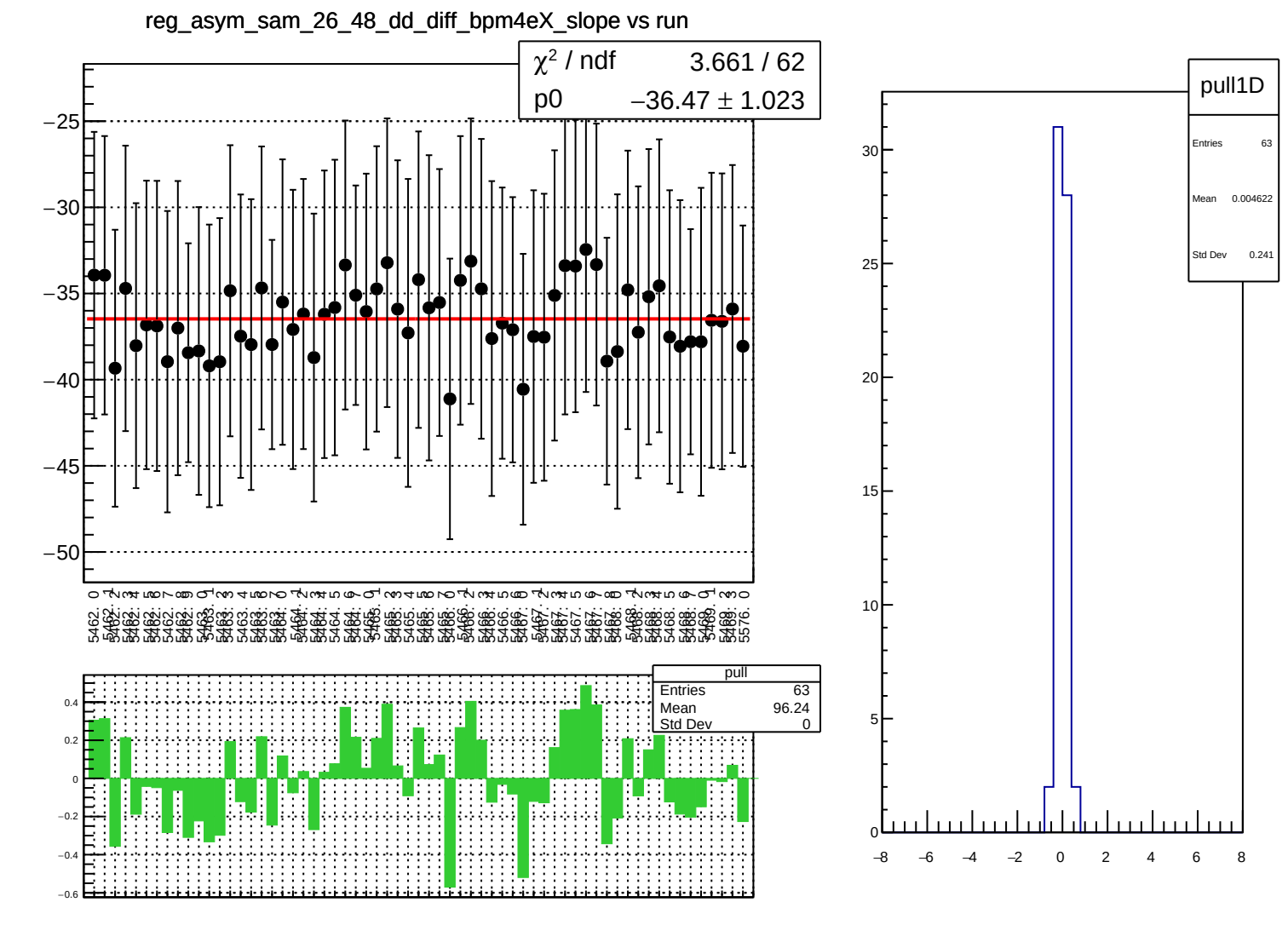

pull1D
Entries 63
Mean 0.001494
Std Dev 0.1828

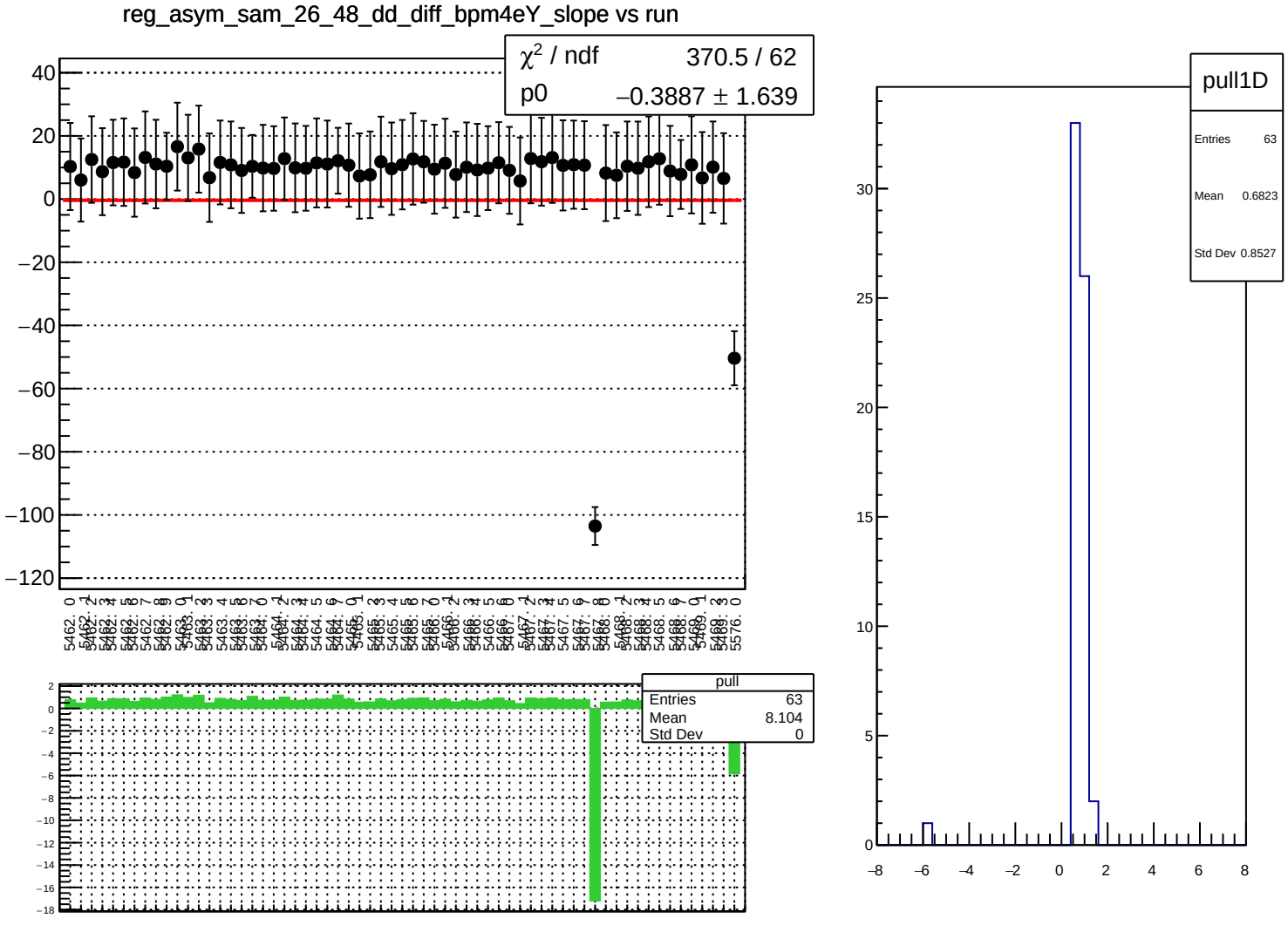

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.34 / 62
p0 33.06 ± 3.31
pull
Entries 63
Mean 21.23
Std Dev 0
pull1D
Entries 63
Mean 0.1632
Std Dev 0.8789

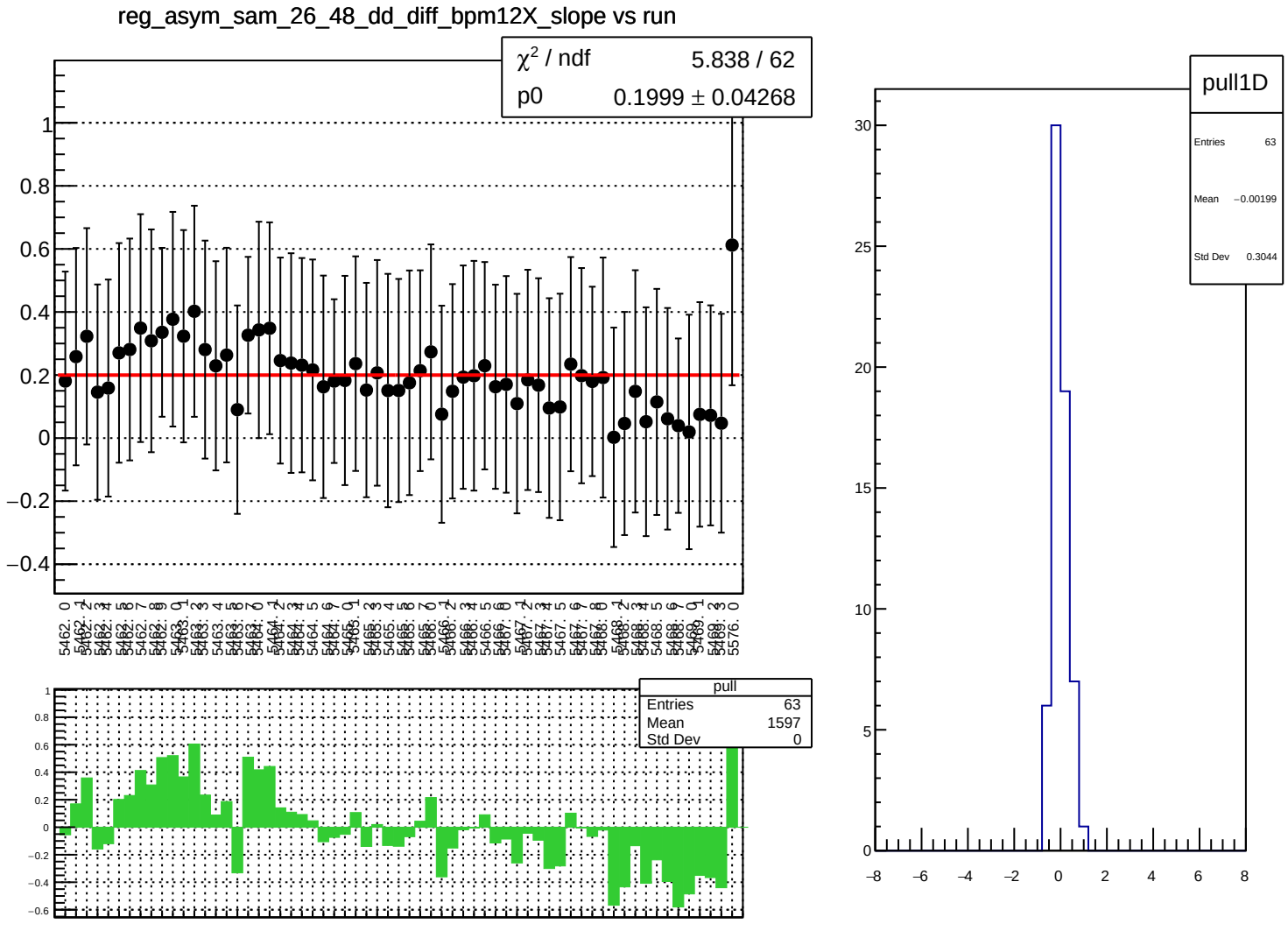

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7949 / 62
p0 −0.6704 ± 0.08665
pull
Entries 63
Mean −217
Std Dev 0
pull1D
Entries 63
Mean −0.0001514
Std Dev 0.1123

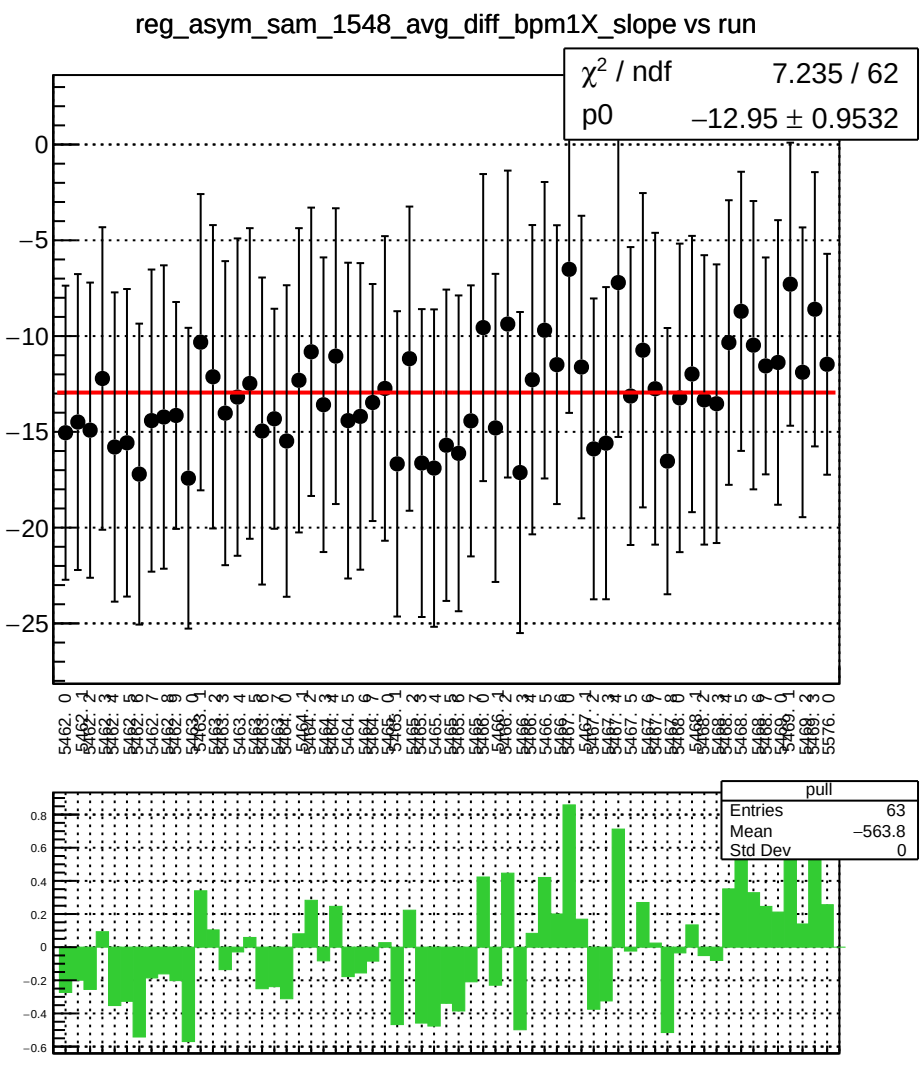

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.195 / 62
p0 1.025 ± 1.304
pull
Entries 63
Mean 103.8
Std Dev 0
pull1D
Entries 63
Mean −0.004131
Std Dev 0.2252

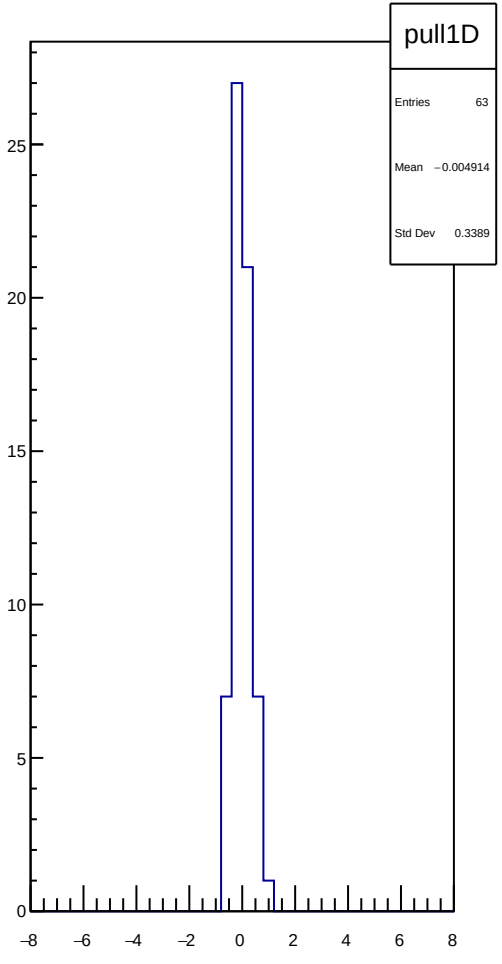

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 401.9 / 62
p0 −82.41 ± 1.376
pull
Entries 63
Mean 8.858
Std Dev 0
pull1D
Entries 63
Mean −0.7287
Std Dev 1.111

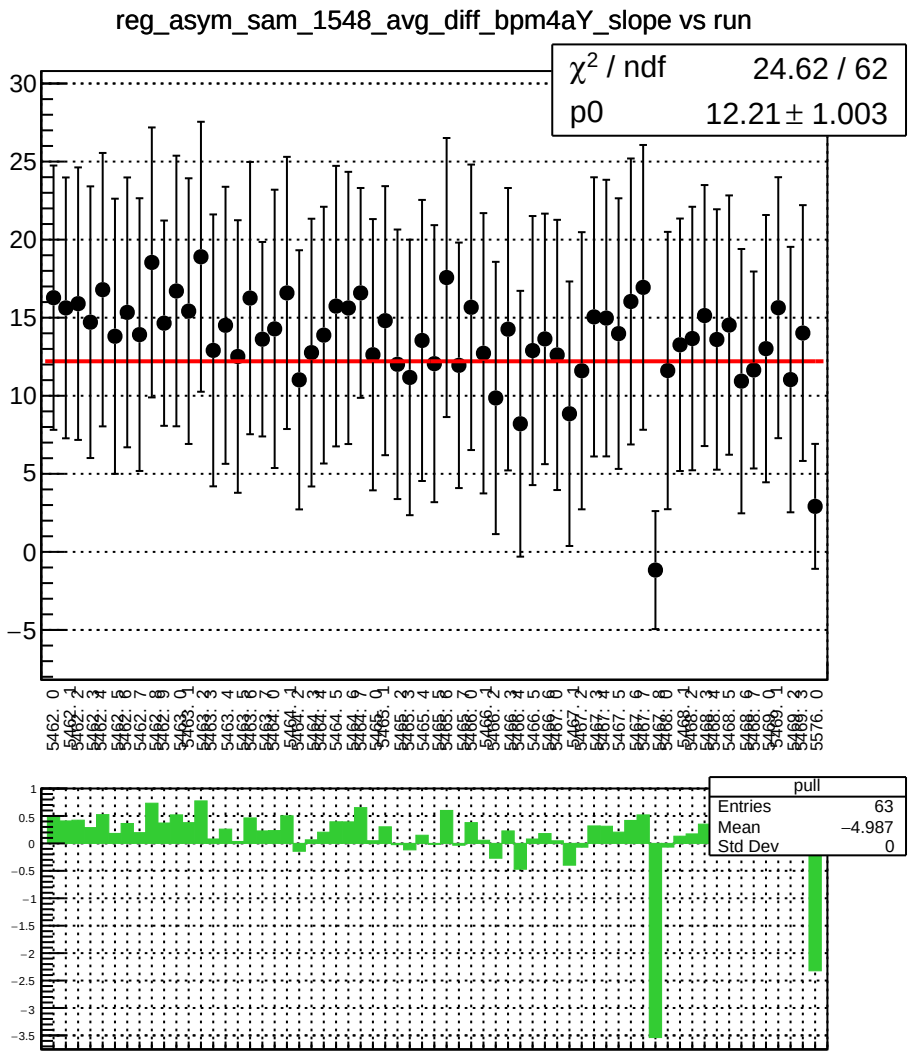

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.661 / 62
p0 −36.47 ± 1.023
pull
Entries 63
Mean 96.24
Std Dev 0
pull1D
Entries 63
Mean 0.004622
Std Dev 0.241

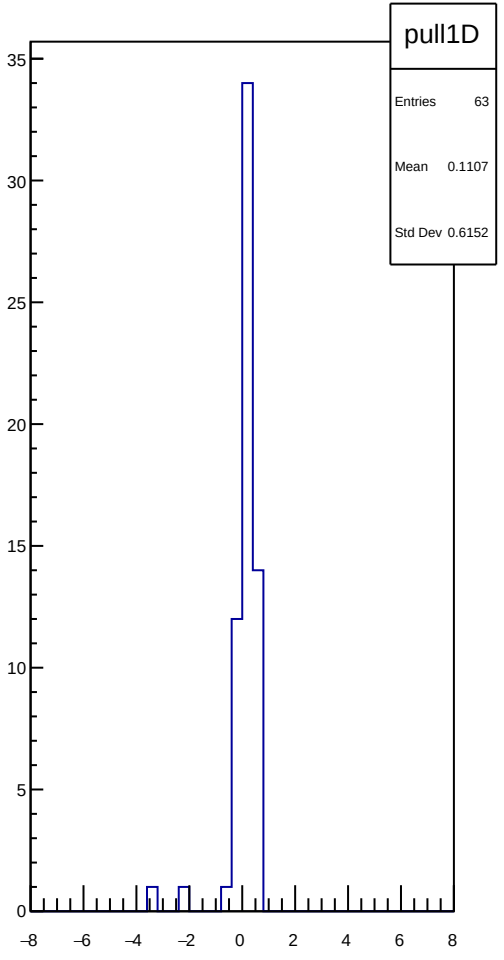

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 370.5 / 62
p0 −0.3887 ± 1.639
pull
Entries 63
Mean 8.104
Std Dev 0
pull1D
Entries 63
Mean 0.6823
Std Dev 0.8527

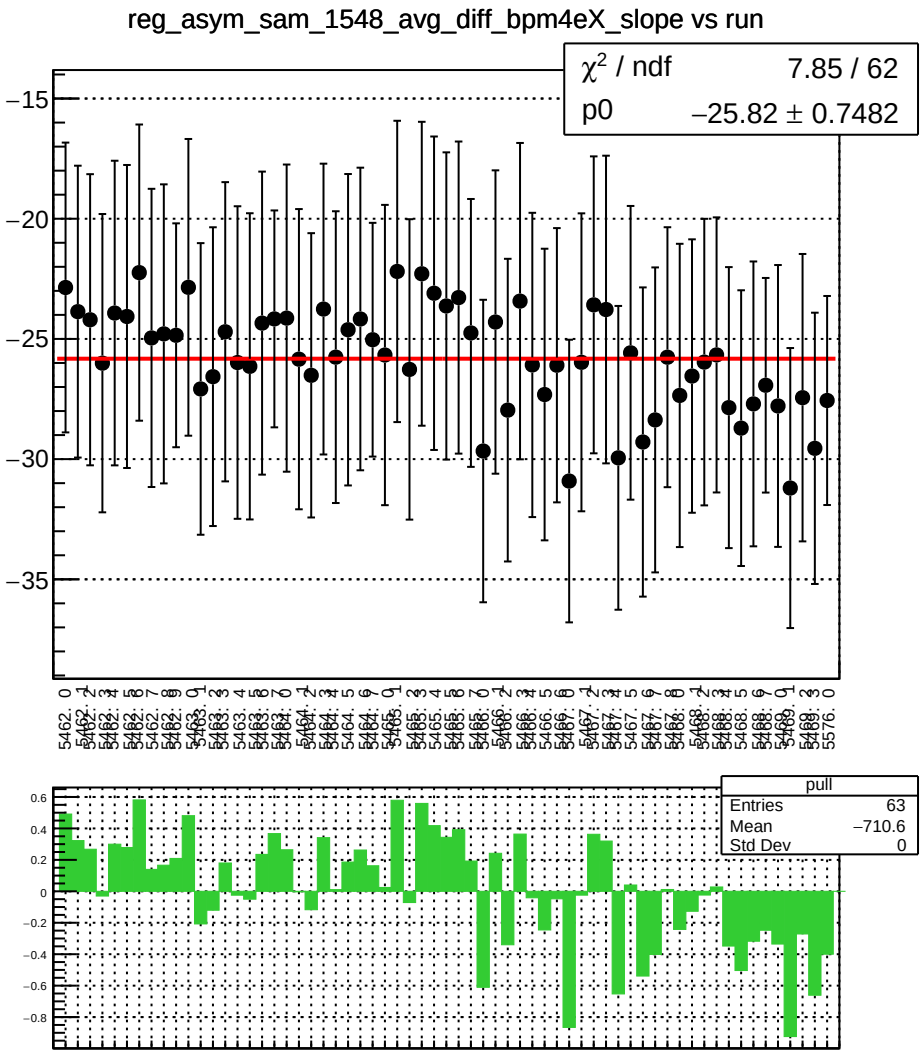

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.838 / 62
p0 0.1999 ± 0.04268
pull
Entries 63
Mean 1597
Std Dev 0
pull1D
Entries 63
Mean −0.00199
Std Dev 0.3044

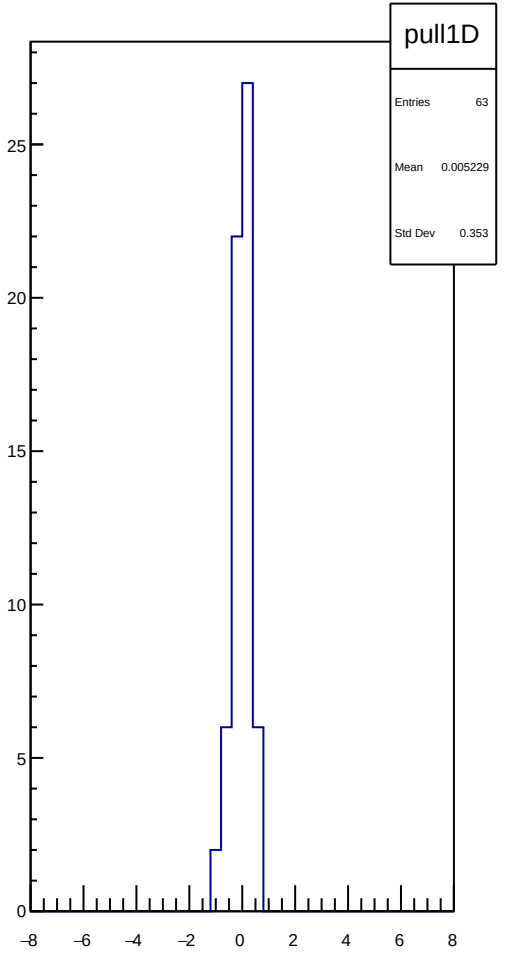

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 7.235 / 62
p0 −12.95 ± 0.9532
pull
Entries 63
Mean −563.8
Std Dev 0

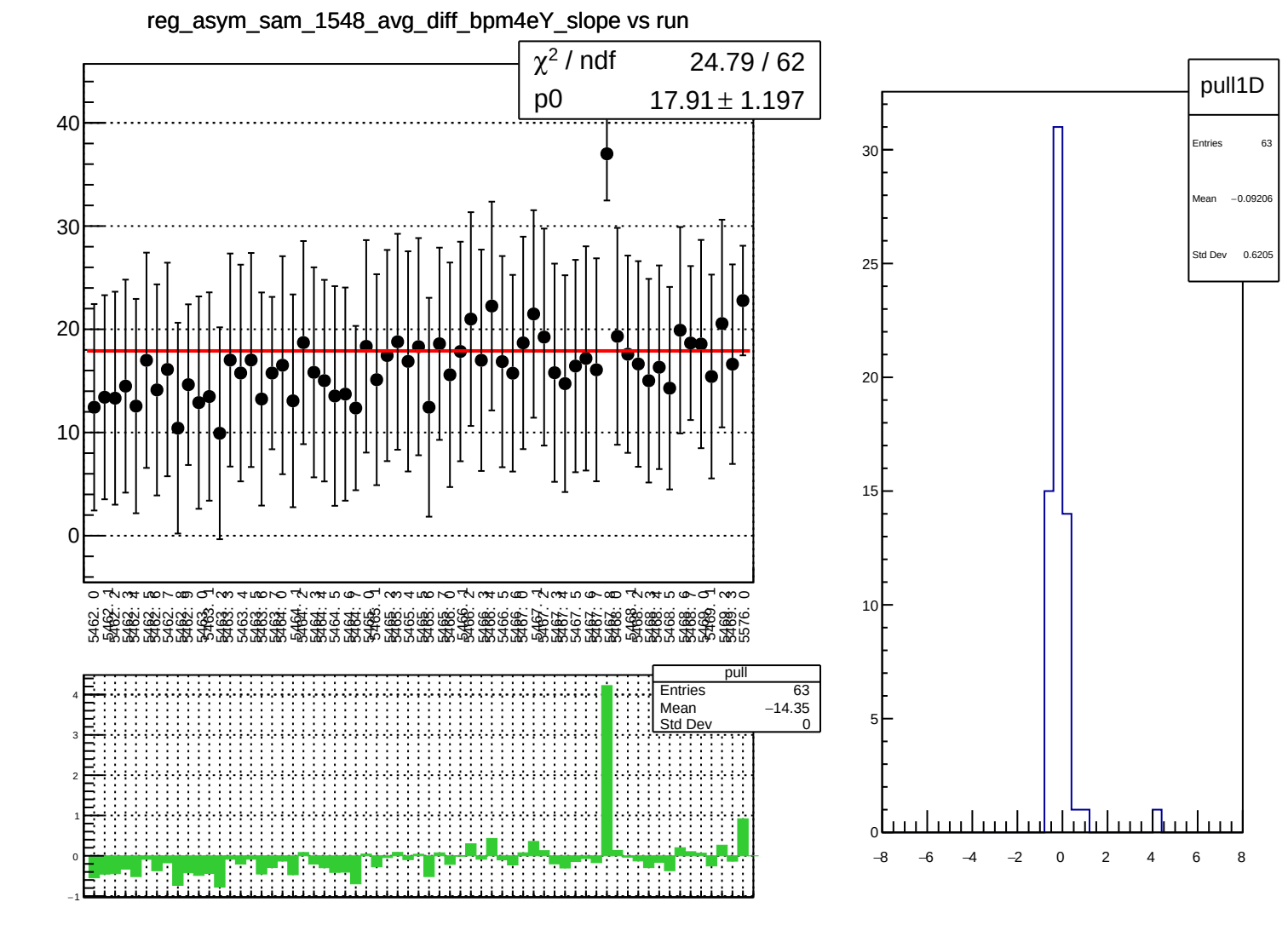

pull1D
Entries 63
Mean −0.004914
Std Dev 0.3389

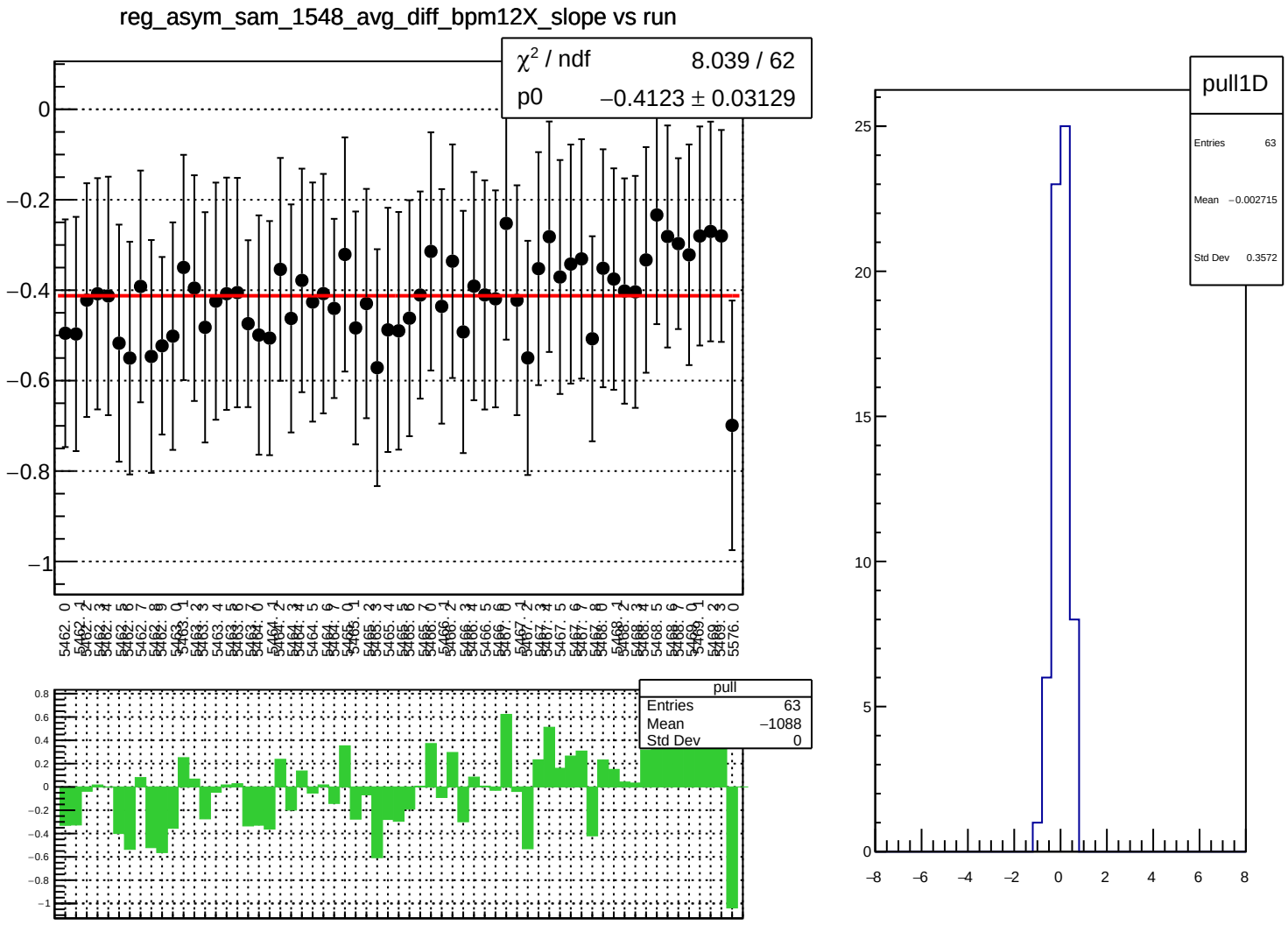

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.62 / 62
p0 12.21 ± 1.003
pull
Entries 63
Mean −4.987
Std Dev 0

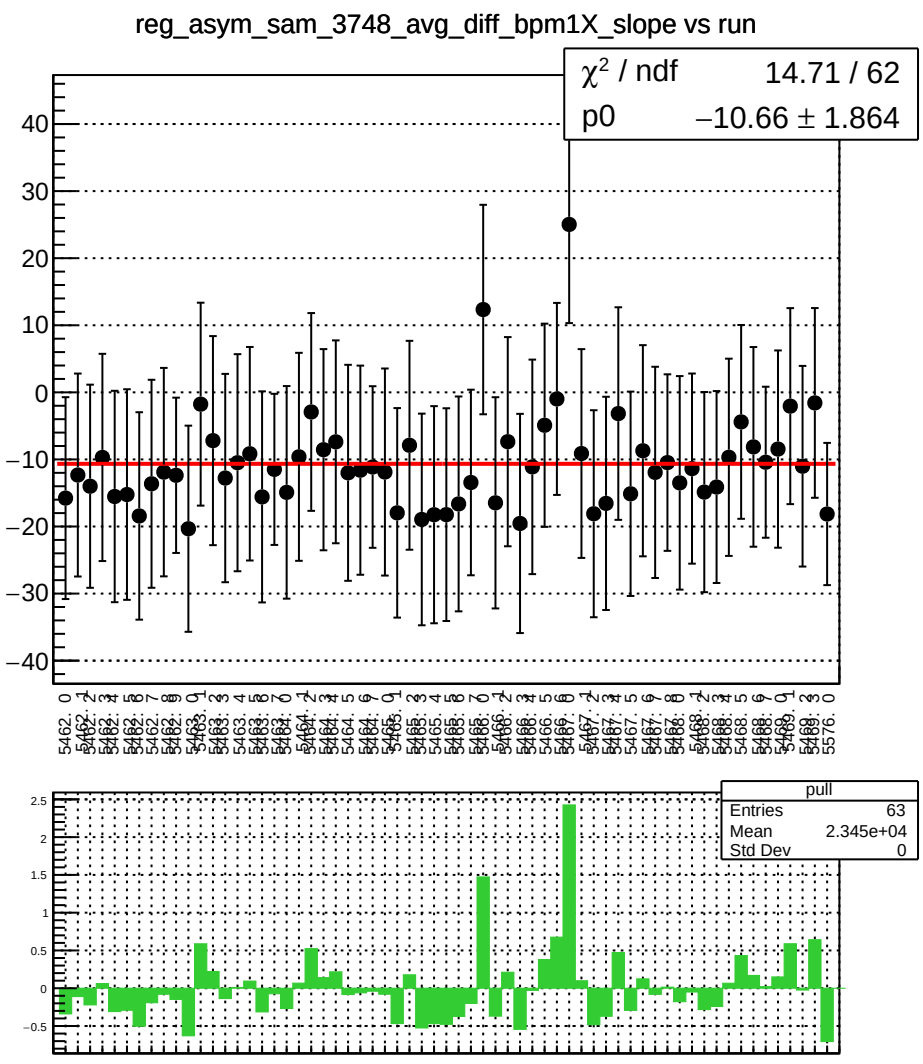

pull1D
Entries 63
Mean 0.1107
Std Dev 0.6152

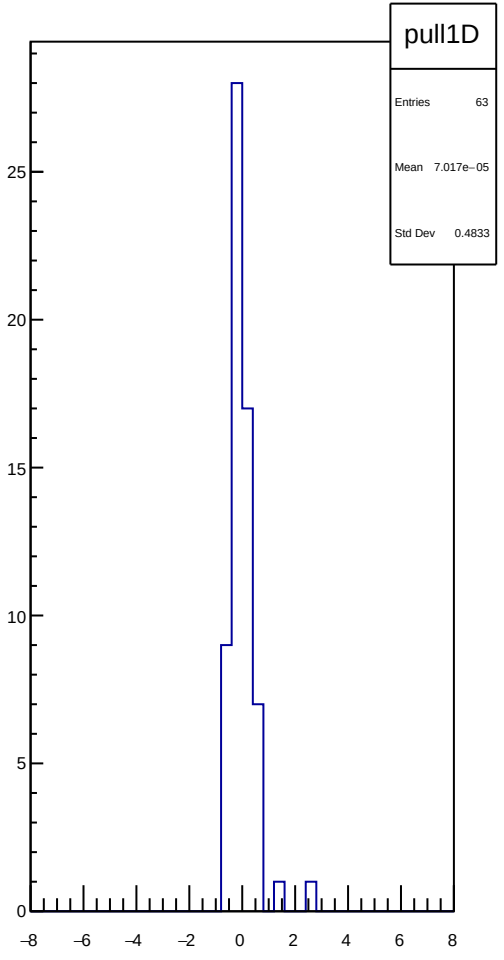

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.85 / 62
p0 −25.82 ± 0.7482
pull
Entries 63
Mean −710.6
Std Dev 0

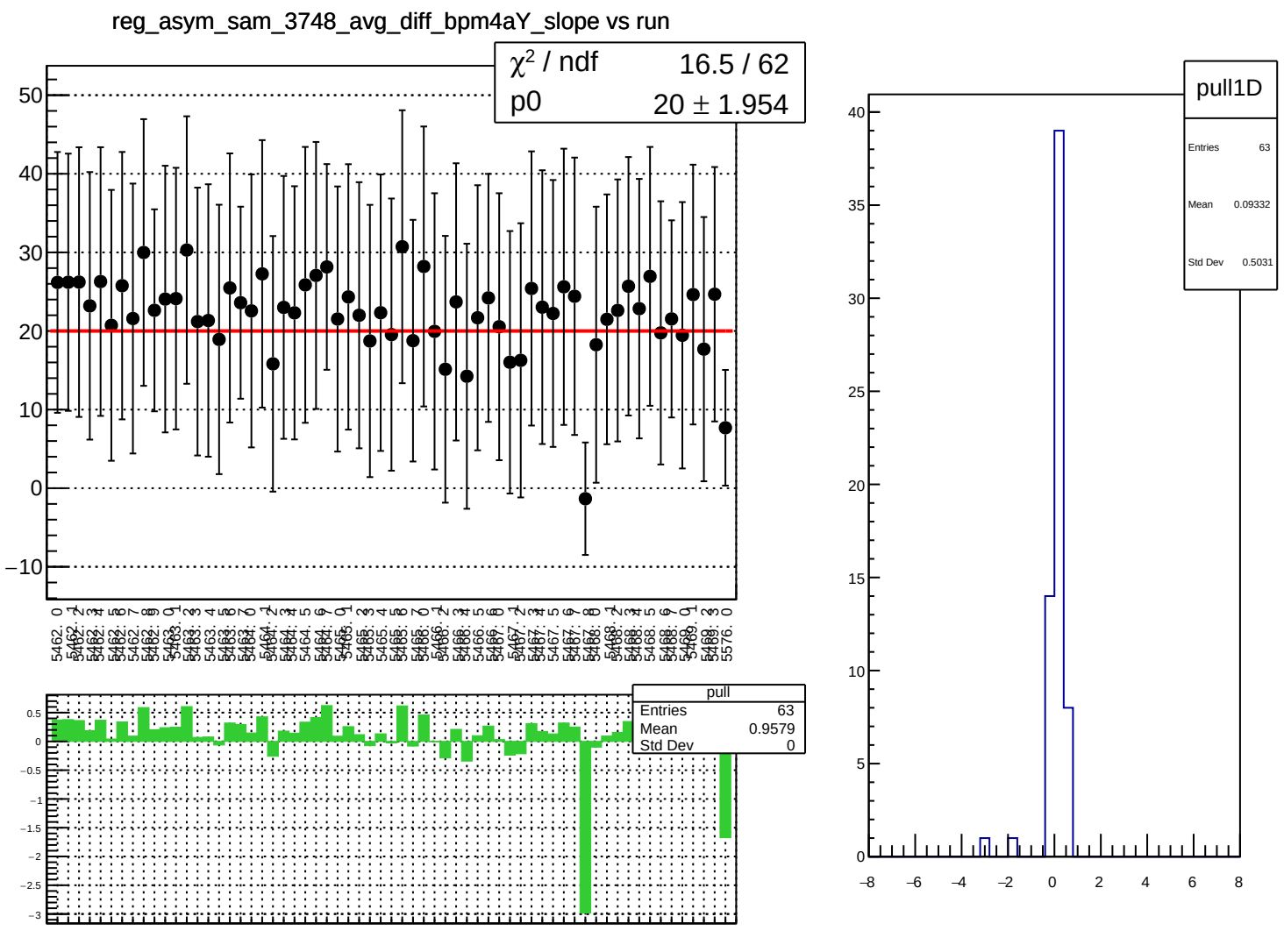

pull1D
Entries 63
Mean 0.005229
Std Dev 0.353

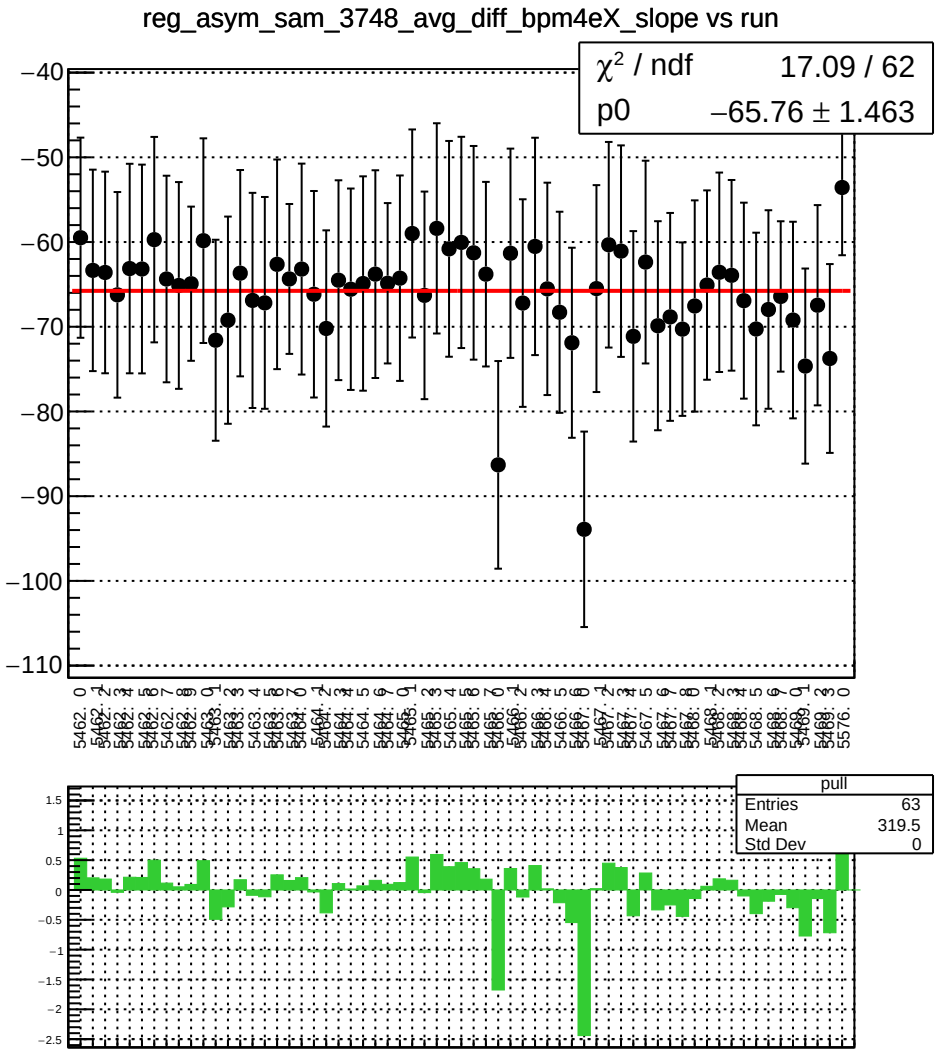

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.79 / 62
p0 17.91 ± 1.197
pull
Entries 63
Mean −14.35
Std Dev 0
pull1D
Entries 63
Mean −0.09206
Std Dev 0.6205

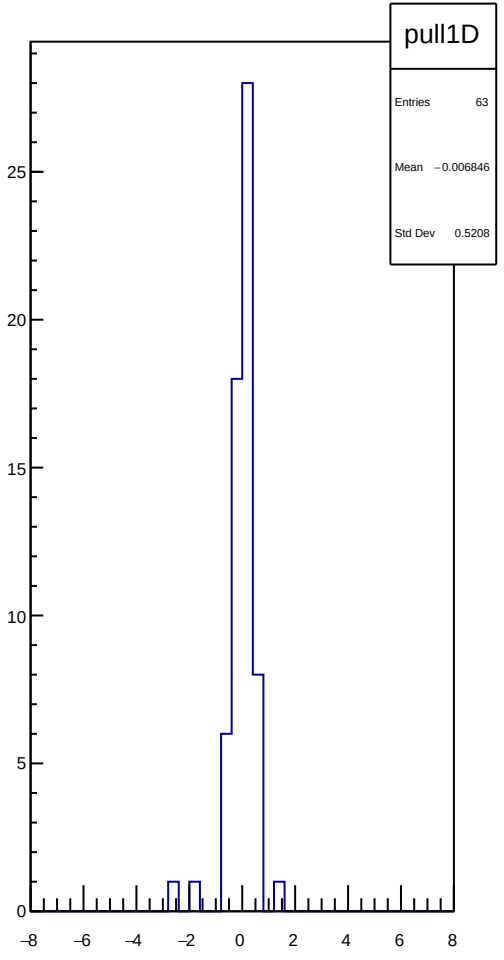

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 8.039 / 62
p0 −0.4123 ± 0.03129
pull
Entries 63
Mean −1088
Std Dev 0
pull1D
Entries 63
Mean −0.002715
Std Dev 0.3572

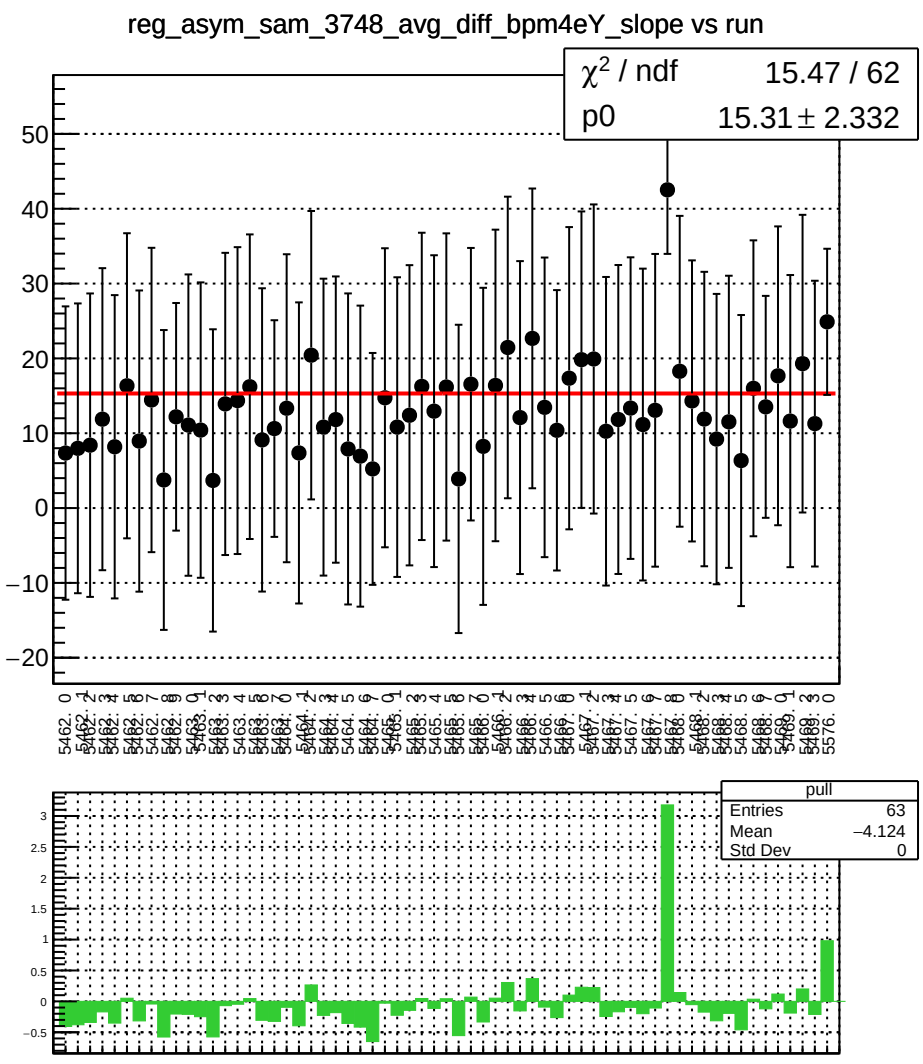

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 14.71 / 62
p0 −10.66 ± 1.864
pull
Entries 63
Mean 2.345e+04
Std Dev 0

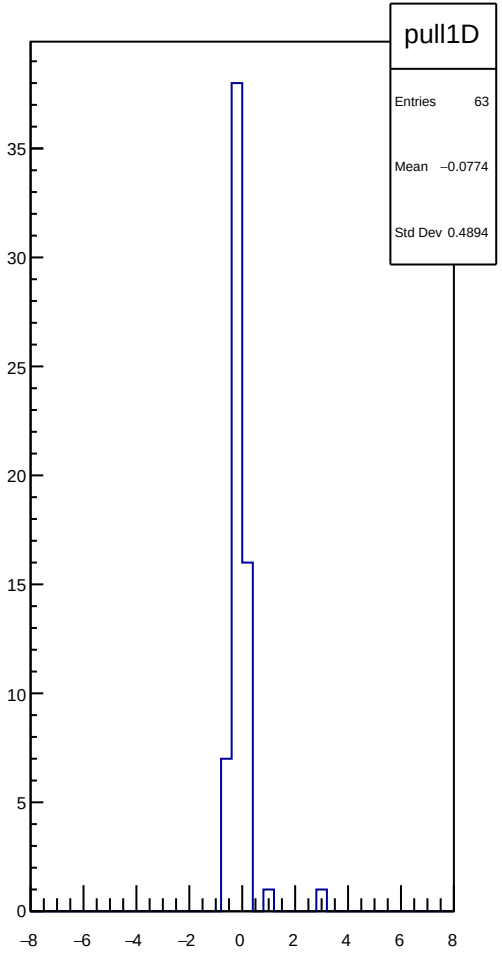

pull1D
Entries 63
Mean 7.017e−05
Std Dev 0.4833

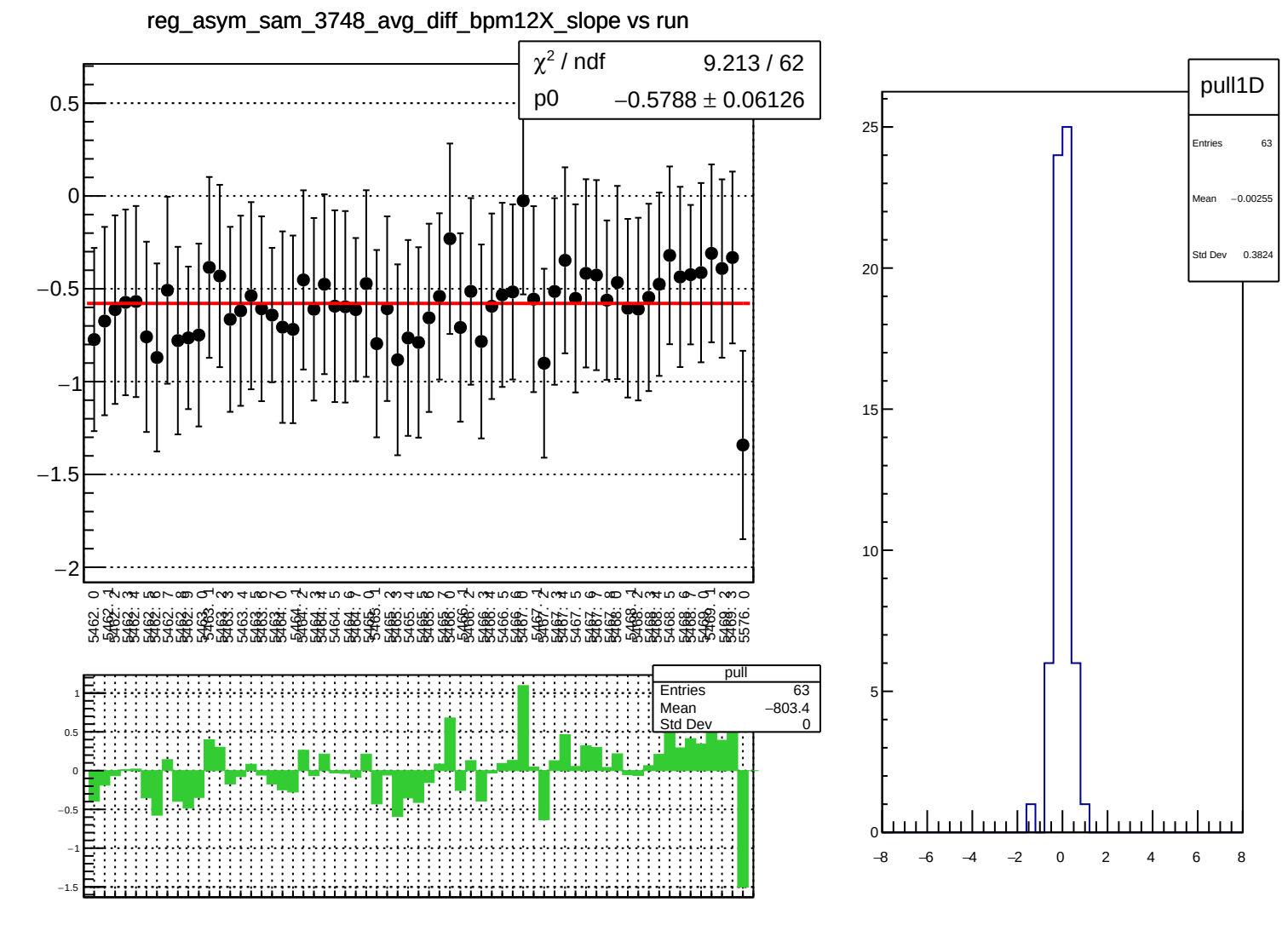

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.5 / 62
p0 20 ± 1.954
pull
Entries 63
Mean 0.9579
Std Dev 0
pull1D
Entries 63
Mean 0.09332
Std Dev 0.5031

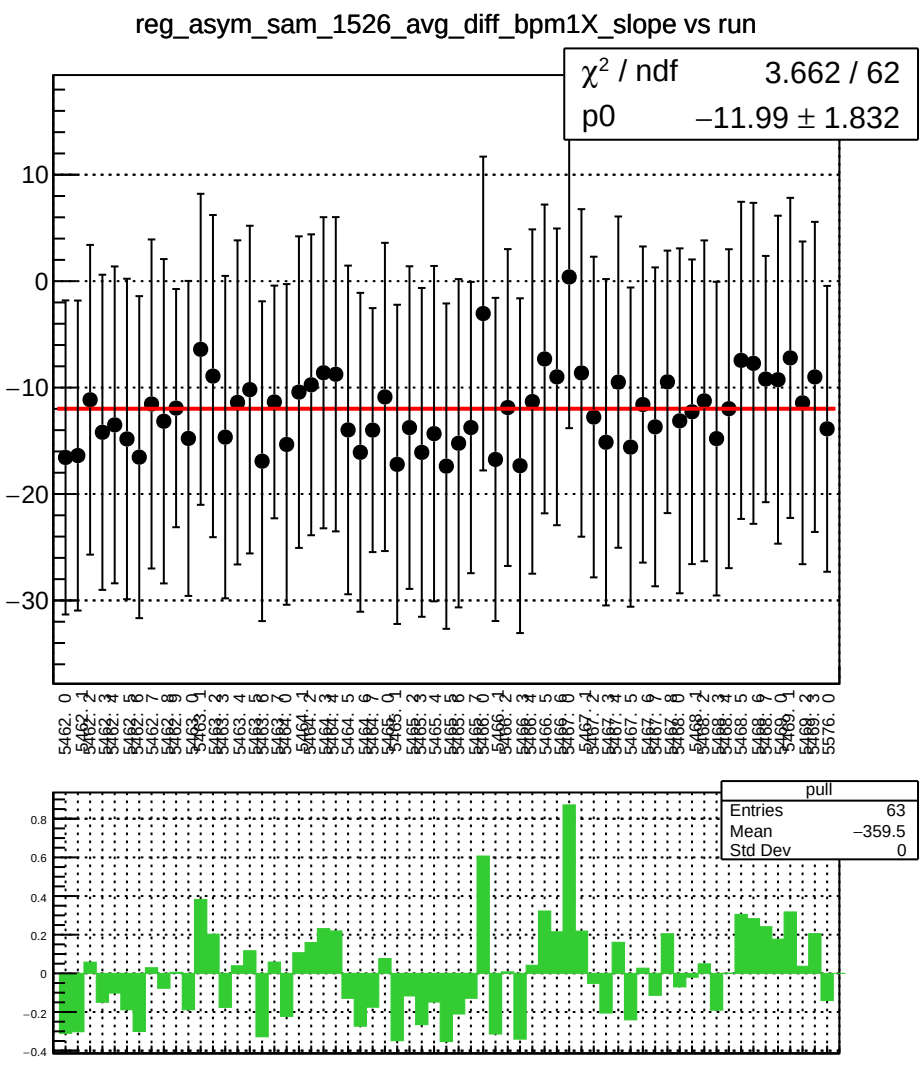

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.09 / 62
p0 −65.76 ± 1.463
pull
Entries 63
Mean 319.5
Std Dev 0

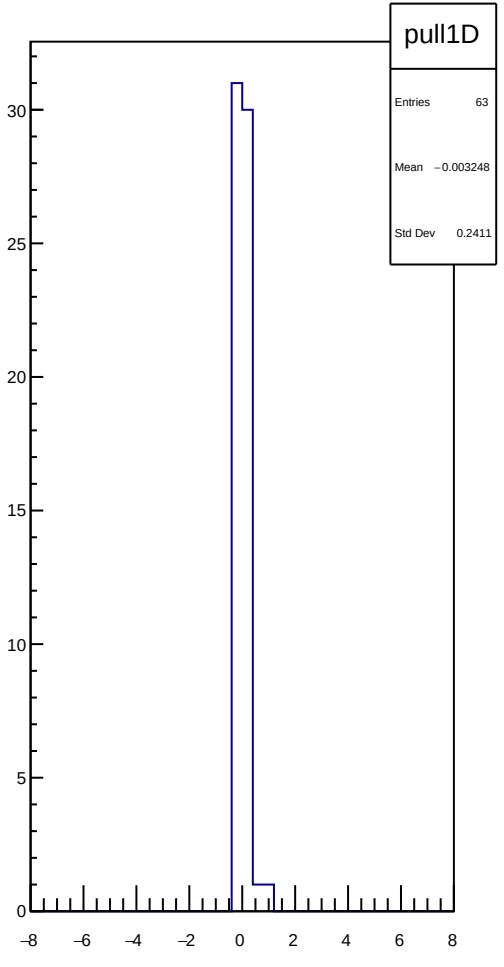

pull1D
Entries 63
Mean −0.006846
Std Dev 0.5208

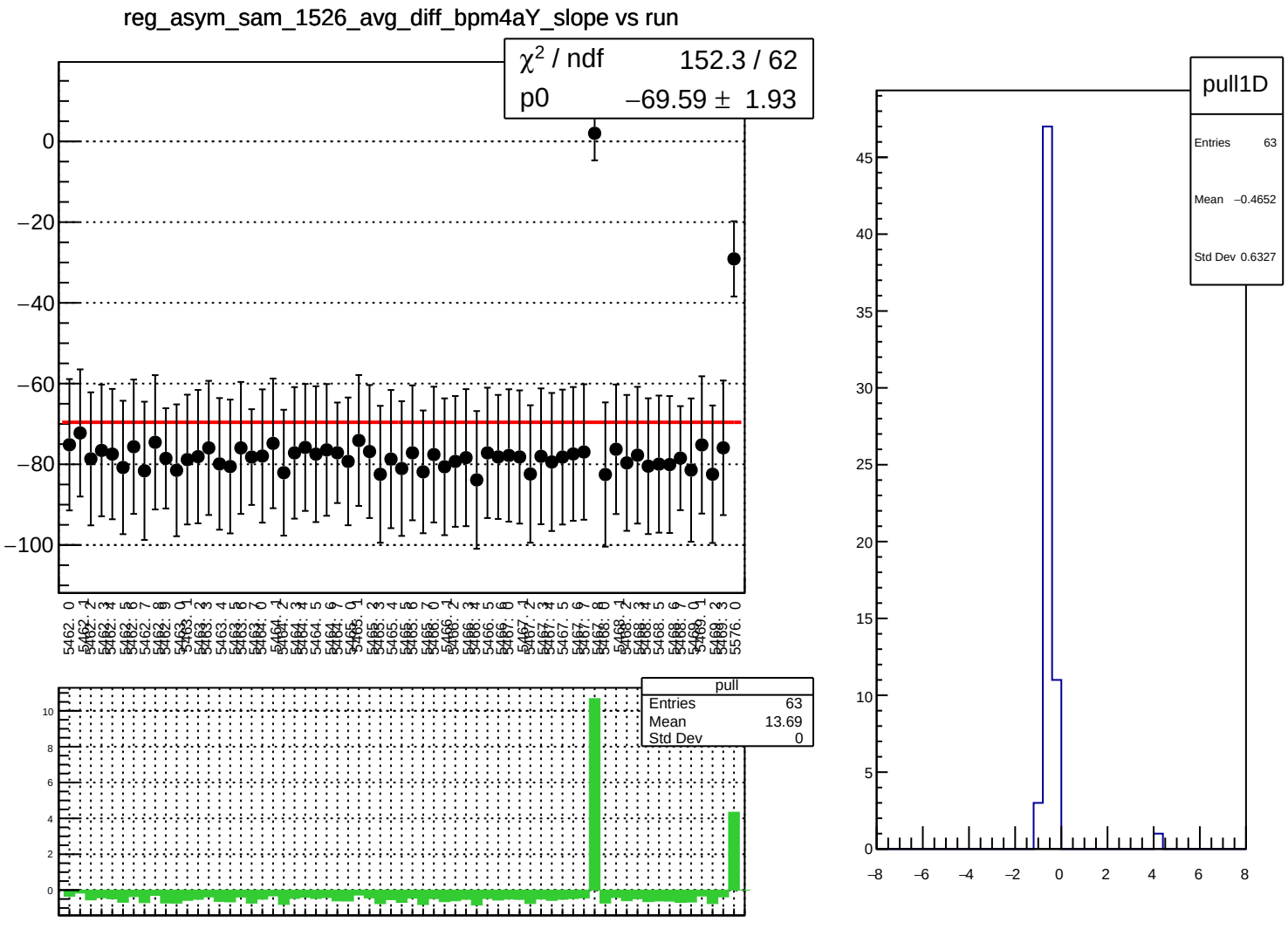

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.47 / 62
p0 15.31 ± 2.332
pull
Entries 63
Mean −4.124
Std Dev 0

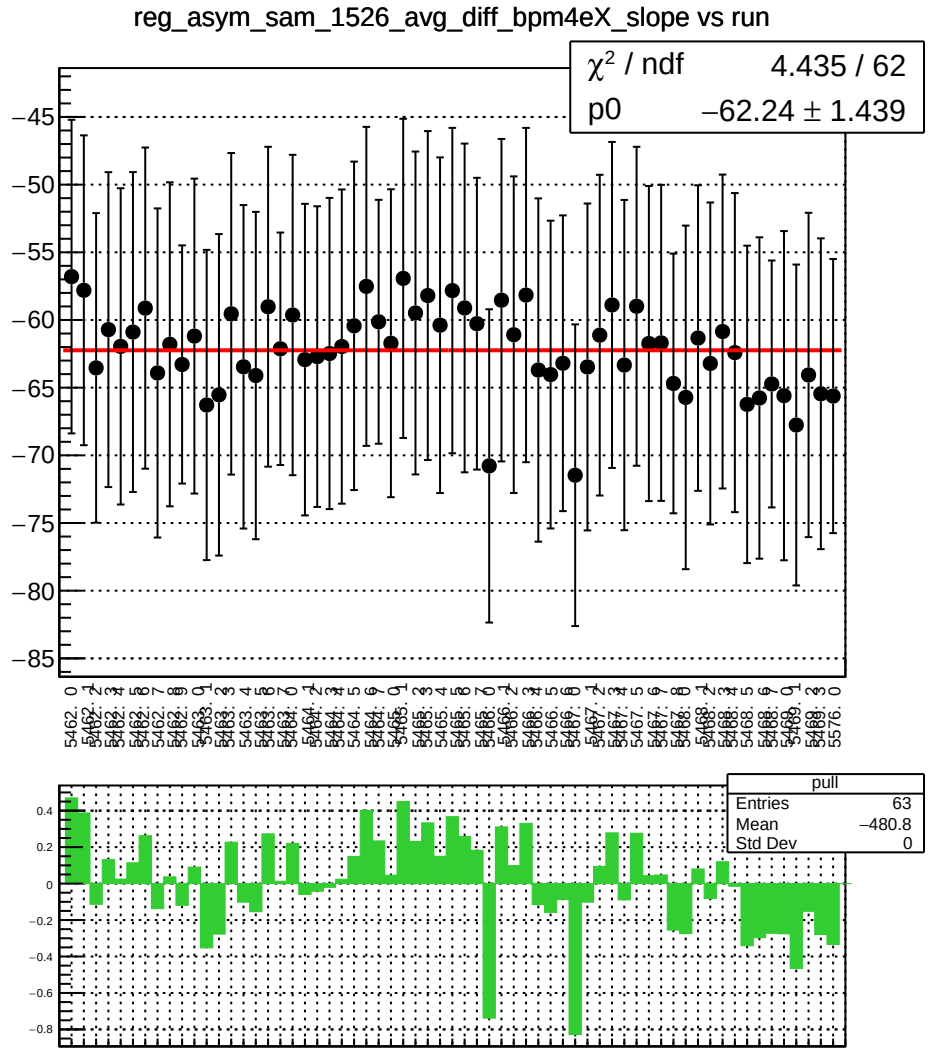

pull1D
Entries 63
Mean −0.0774
Std Dev 0.4894

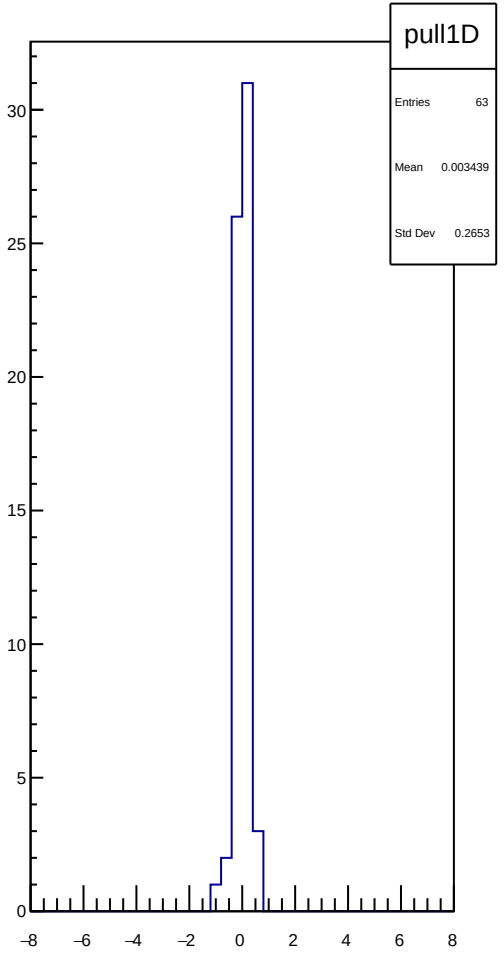

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 9.213 / 62
p0 −0.5788 ± 0.06126
pull
Entries 63
Mean −803.4
Std Dev 0
pull1D
Entries 63
Mean −0.00255
Std Dev 0.3824

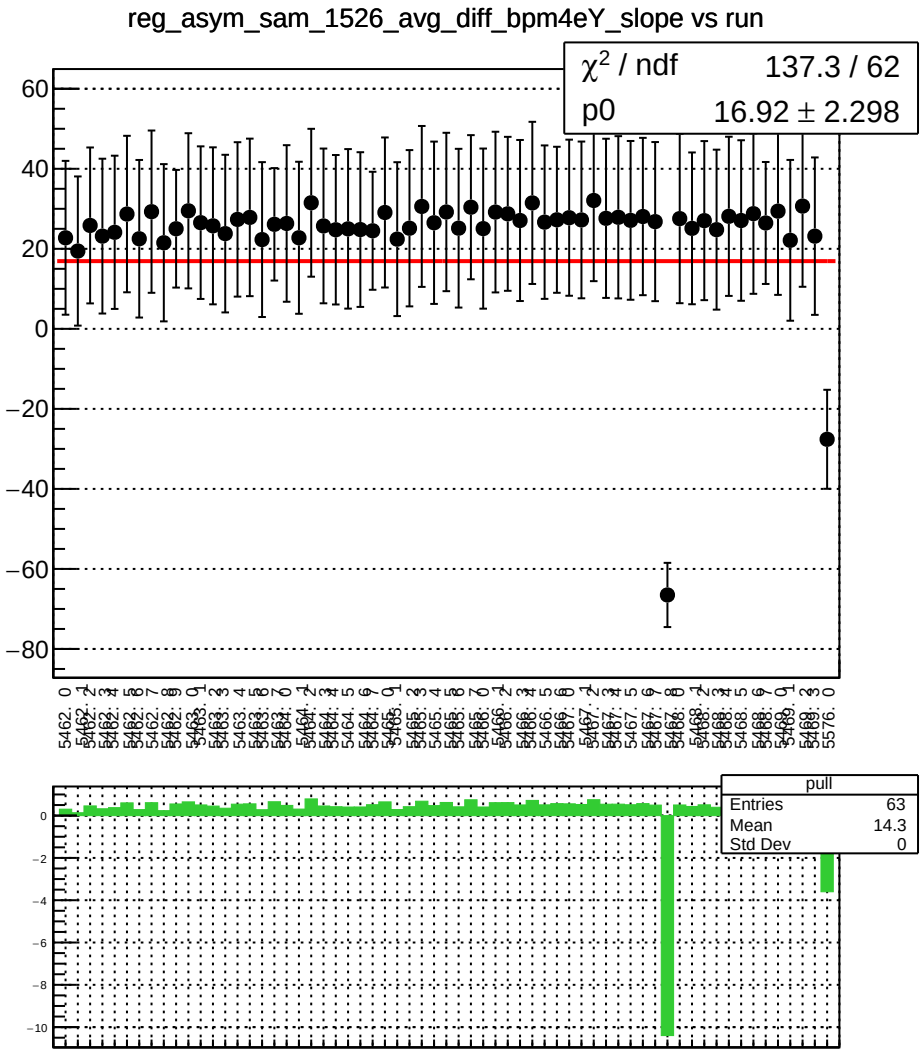

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 3.662 / 62
p0 −11.99 ± 1.832
pull
Entries 63
Mean −359.5
Std Dev 0

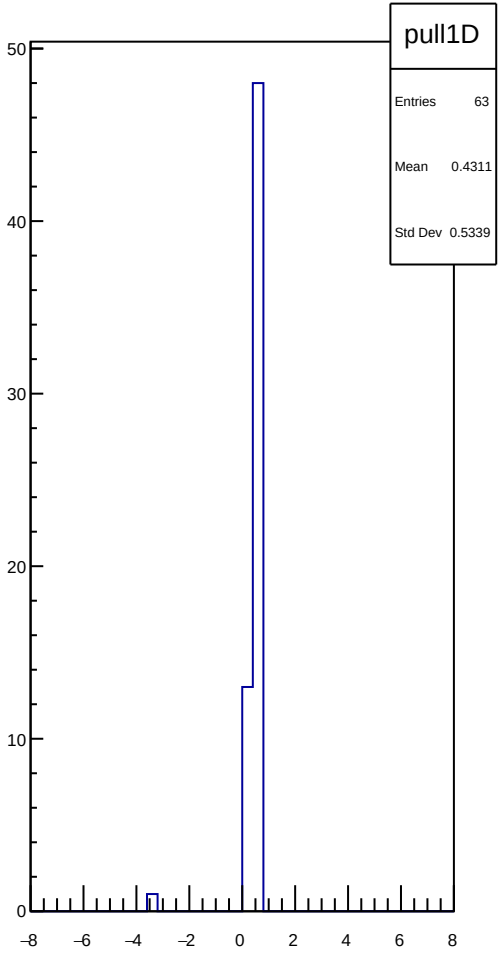

pull1D
Entries 63
Mean −0.003248
Std Dev 0.2411

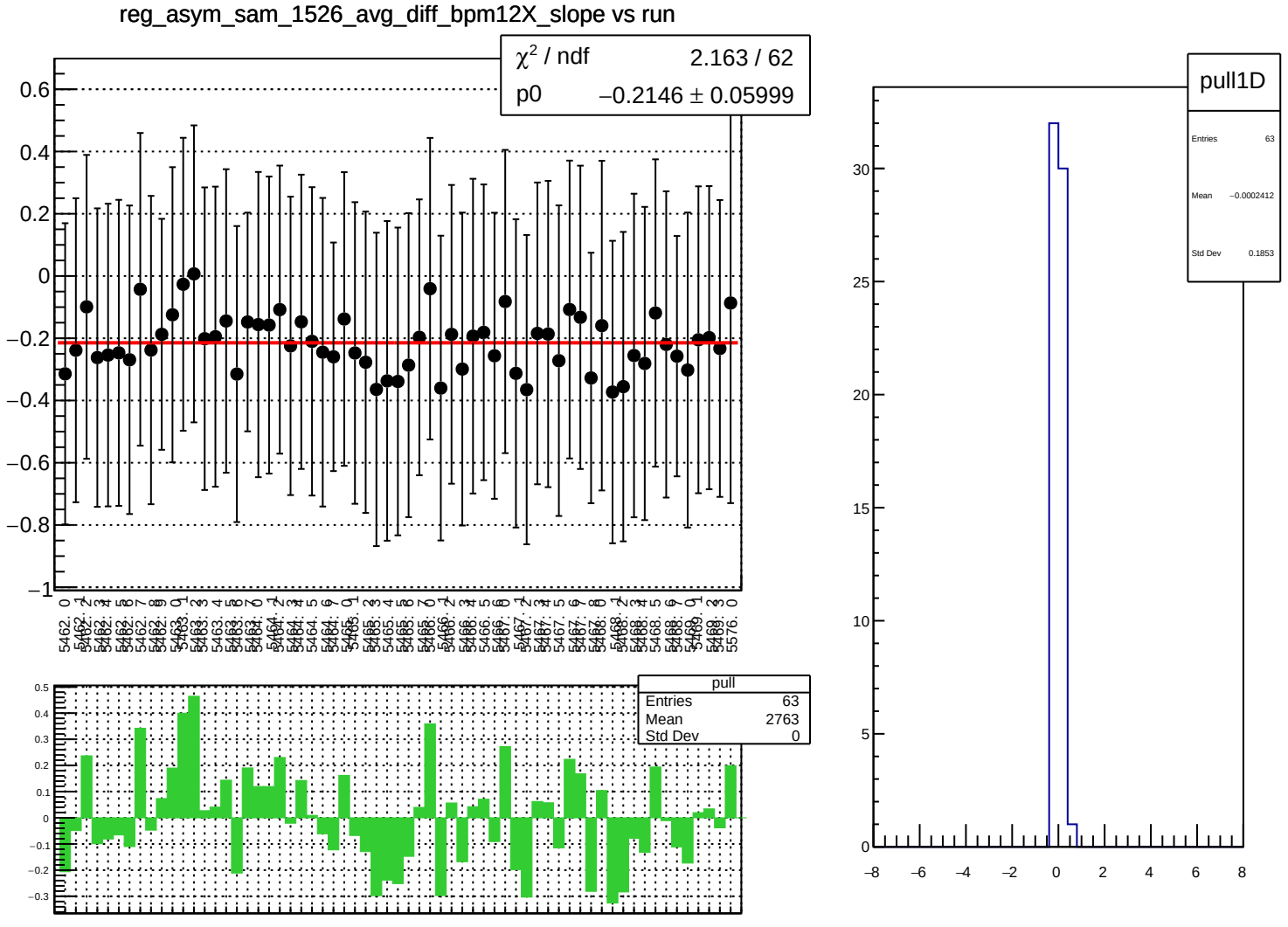

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 62
p0 −69.59 ± 1.93
pull
Entries 63
Mean 13.69
Std Dev 0
pull1D
Entries 63
Mean −0.4652
Std Dev 0.6327

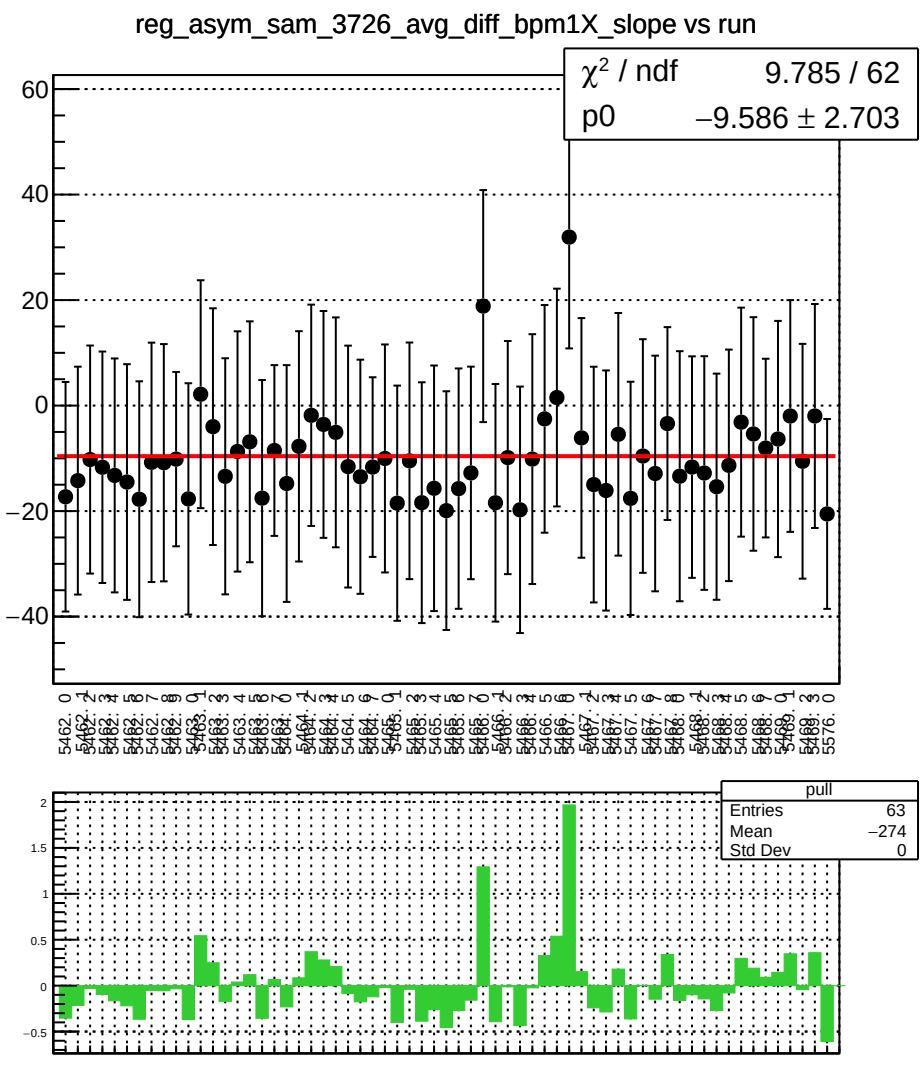

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.435 / 62
p0 −62.24 ± 1.439
pull
Entries 63
Mean −480.8
Std Dev 0

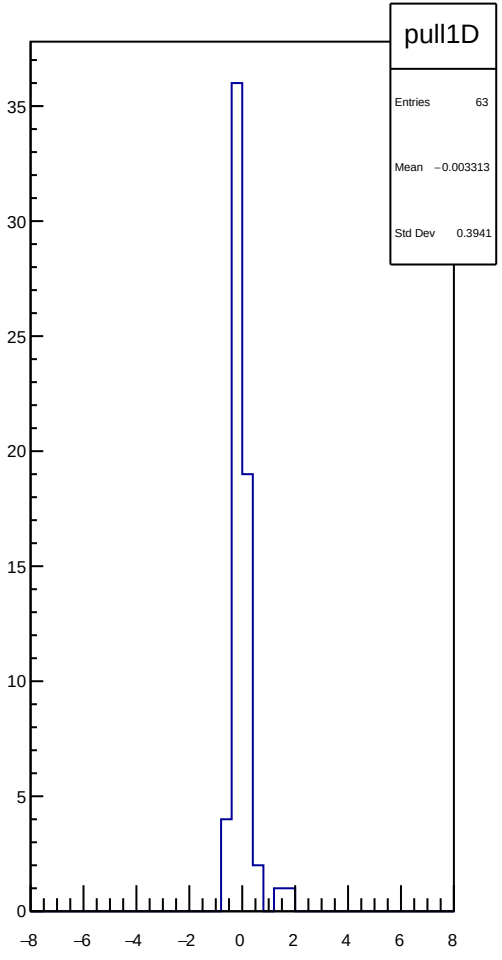

pull1D
Entries 63
Mean 0.003439
Std Dev 0.2653

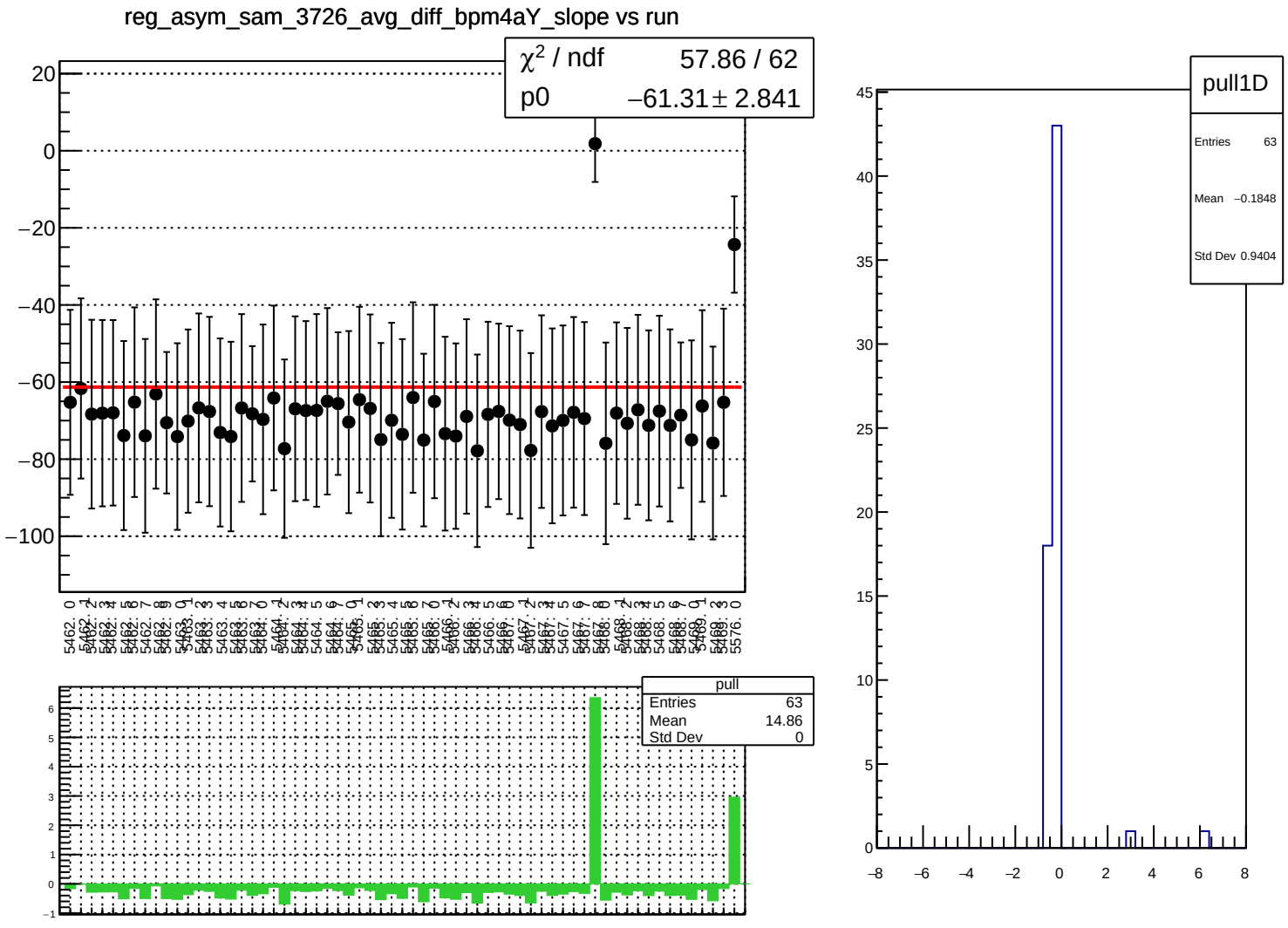

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 137.3 / 62
p0 16.92 ± 2.298
pull
Entries 63
Mean 14.3
Std Dev 0

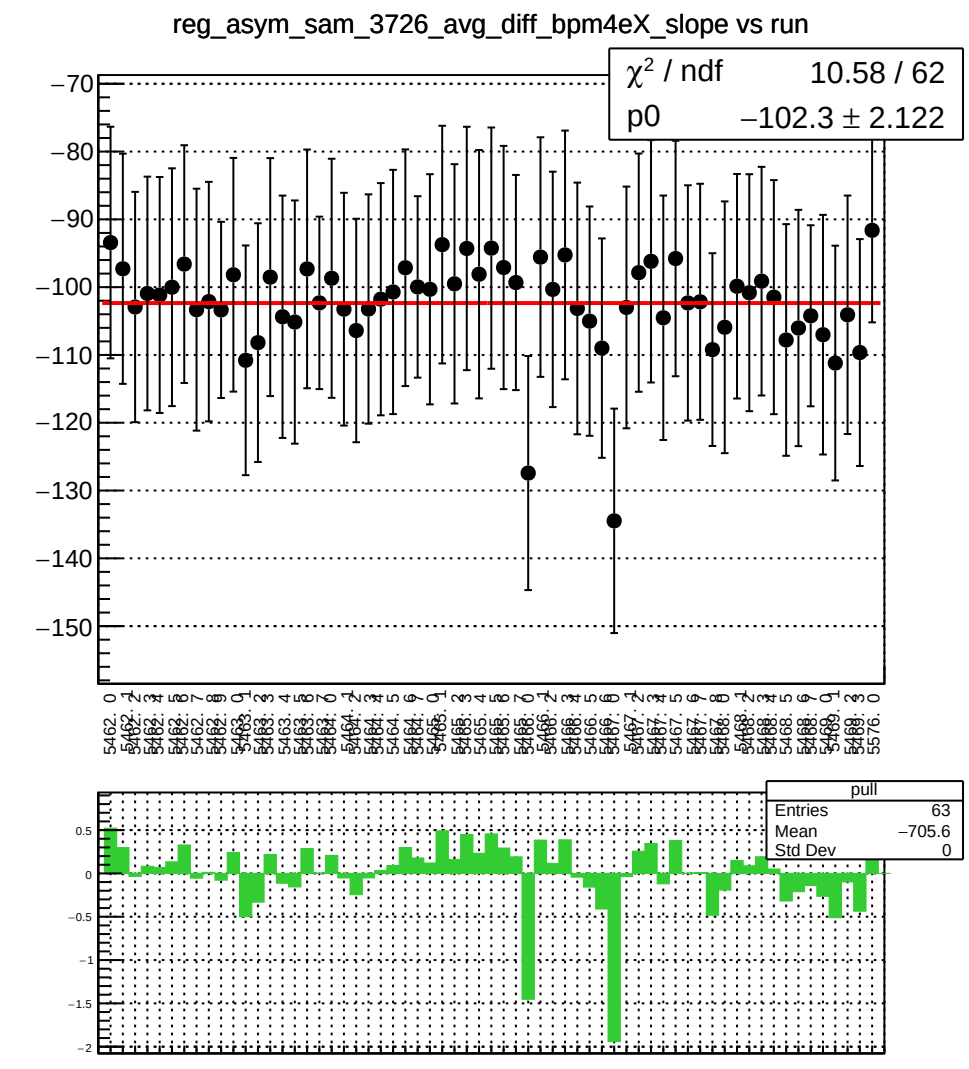

pull1D
Entries 63
Mean 0.4311
Std Dev 0.5339

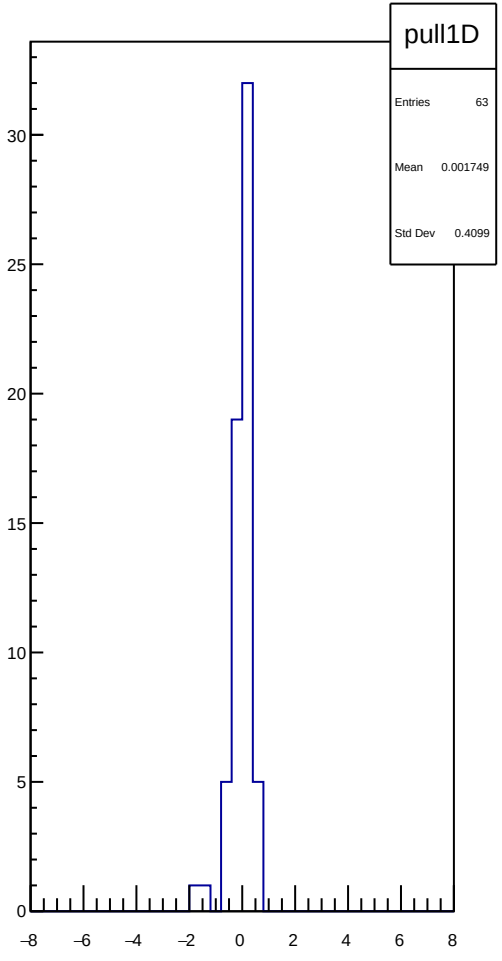

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 2.163 / 62
p0 −0.2146 ± 0.05999
pull
Entries 63
Mean 2763
Std Dev 0
pull1D
Entries 63
Mean −0.0002412
Std Dev 0.1853

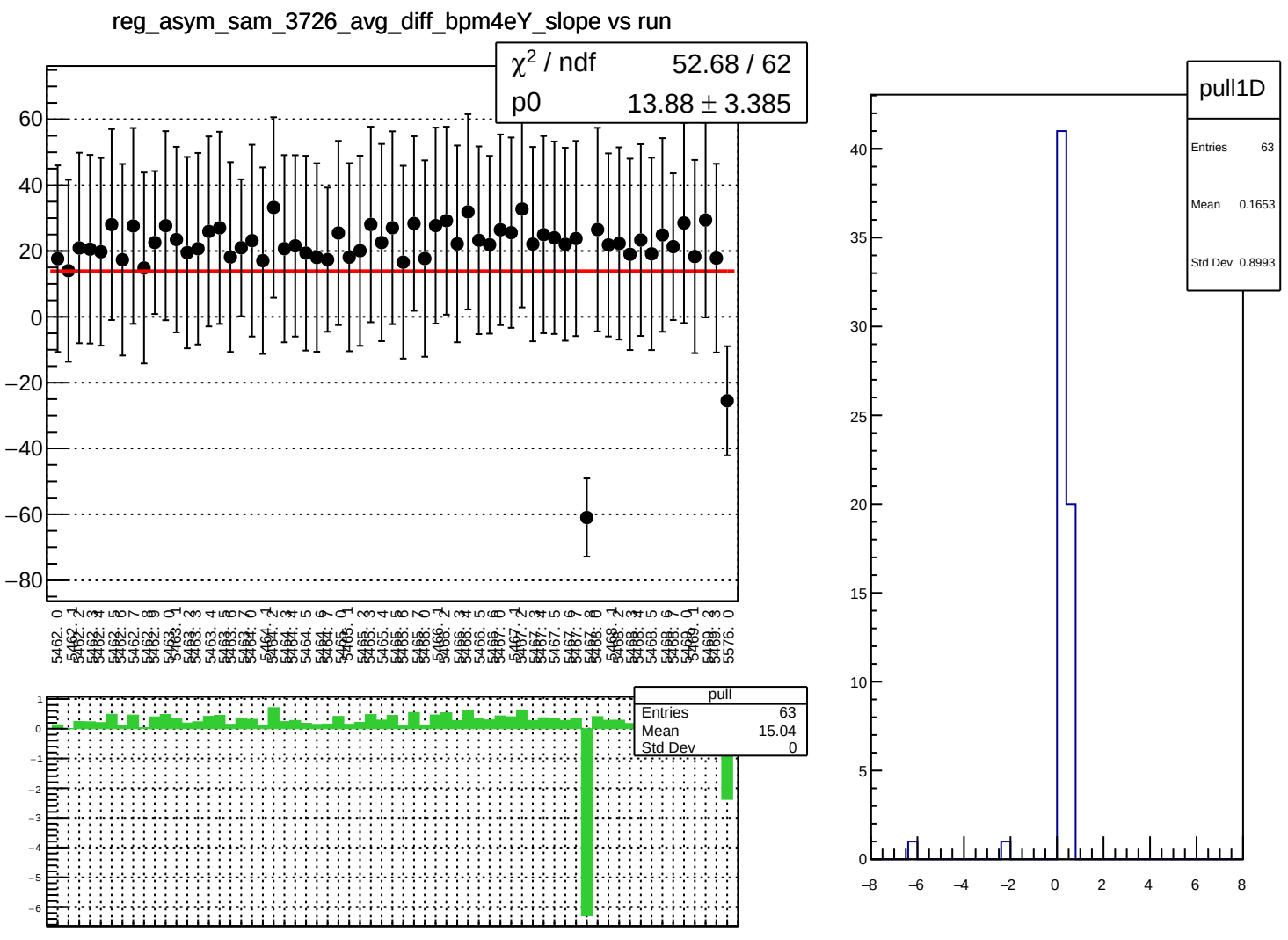

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 9.785 / 62
p0 −9.586 ± 2.703
pull
Entries 63
Mean −274
Std Dev 0

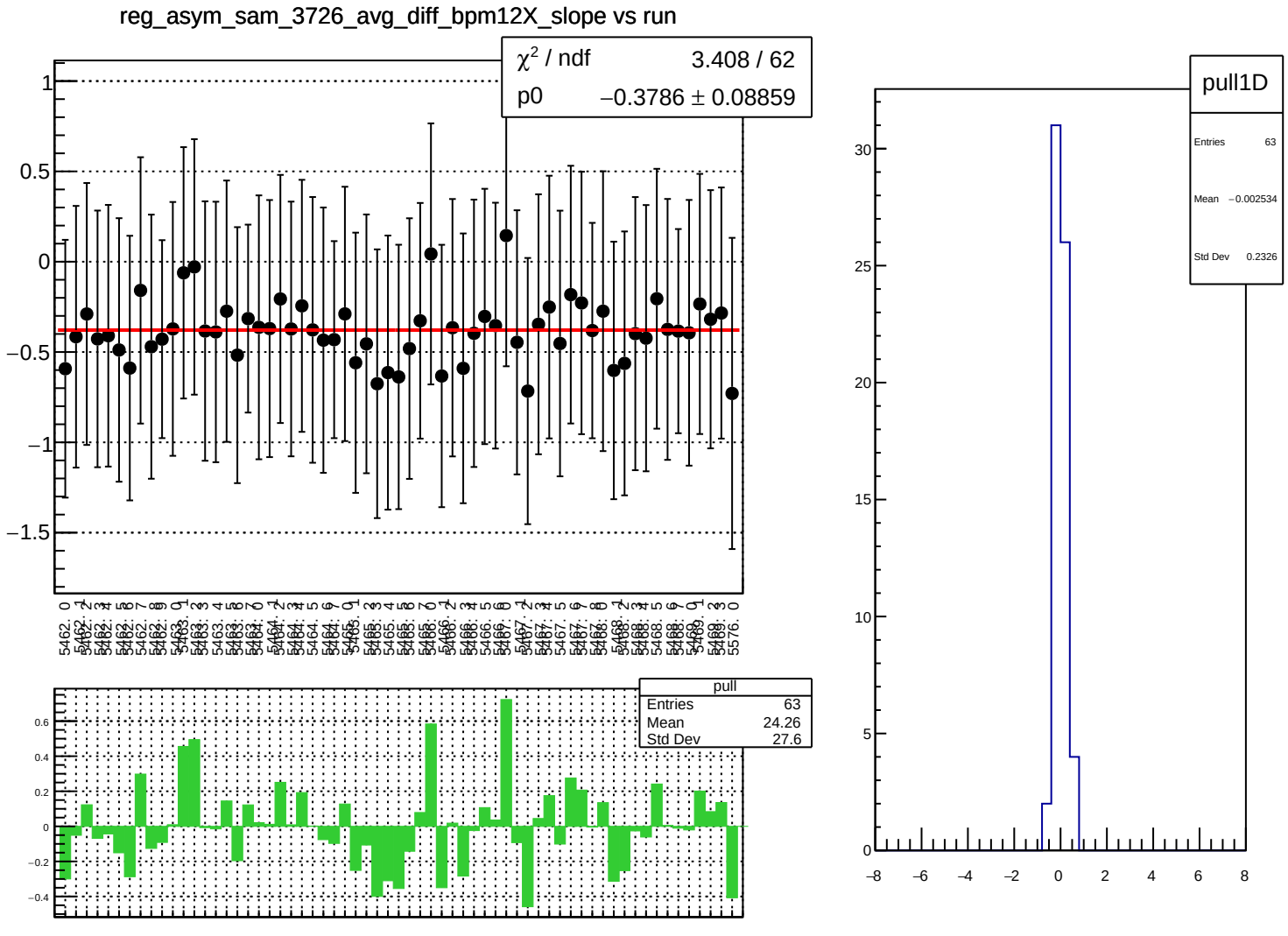

pull1D
Entries 63
Mean −0.003313
Std Dev 0.3941

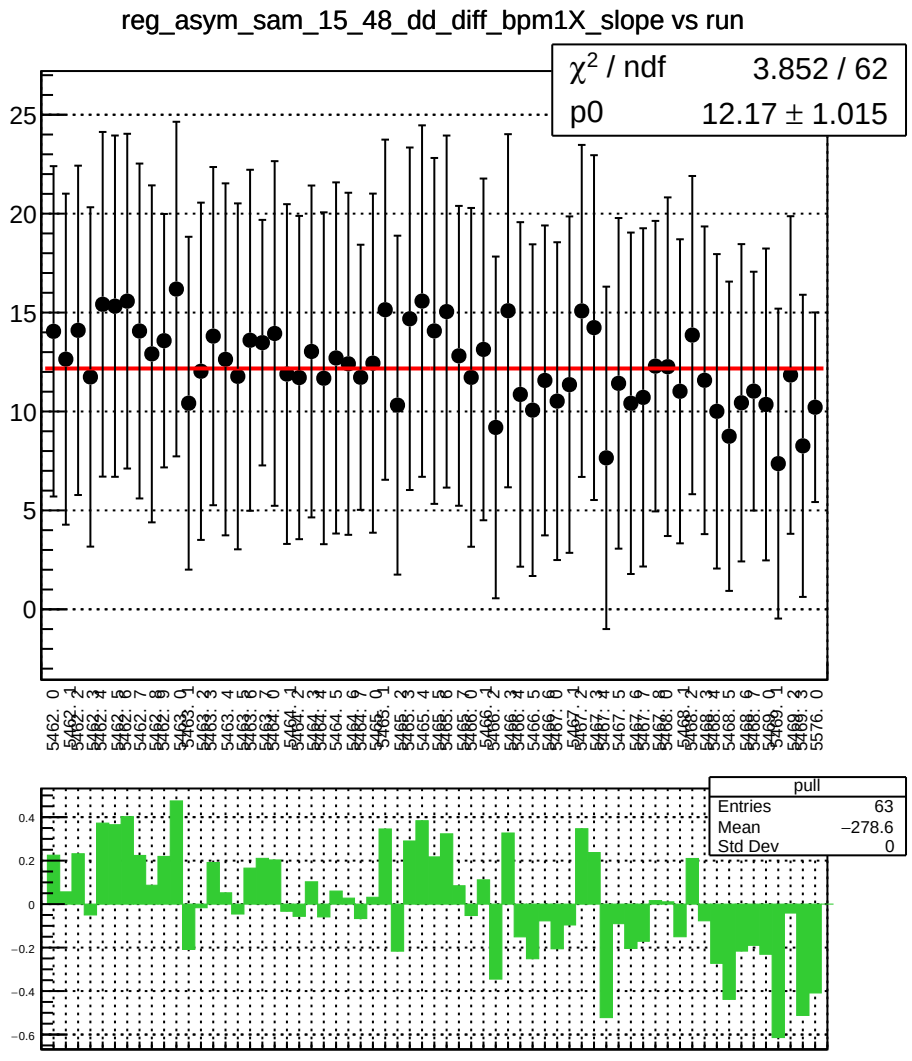

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.86 / 62
p0 −61.31 ± 2.841
pull
Entries 63
Mean 14.86
Std Dev 0
pull1D
Entries 63
Mean −0.1848
Std Dev 0.9404

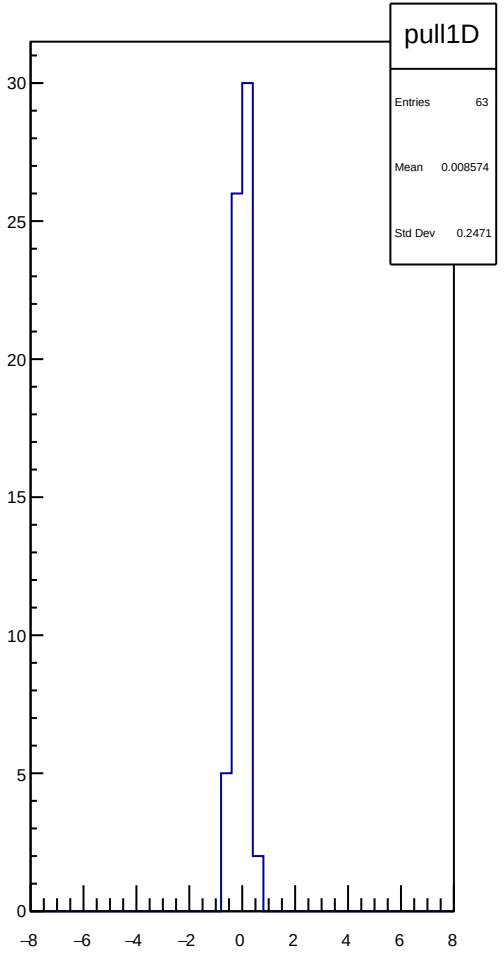

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.58 / 62
p0 −102.3 ± 2.122
pull
Entries 63
Mean −705.6
Std Dev 0

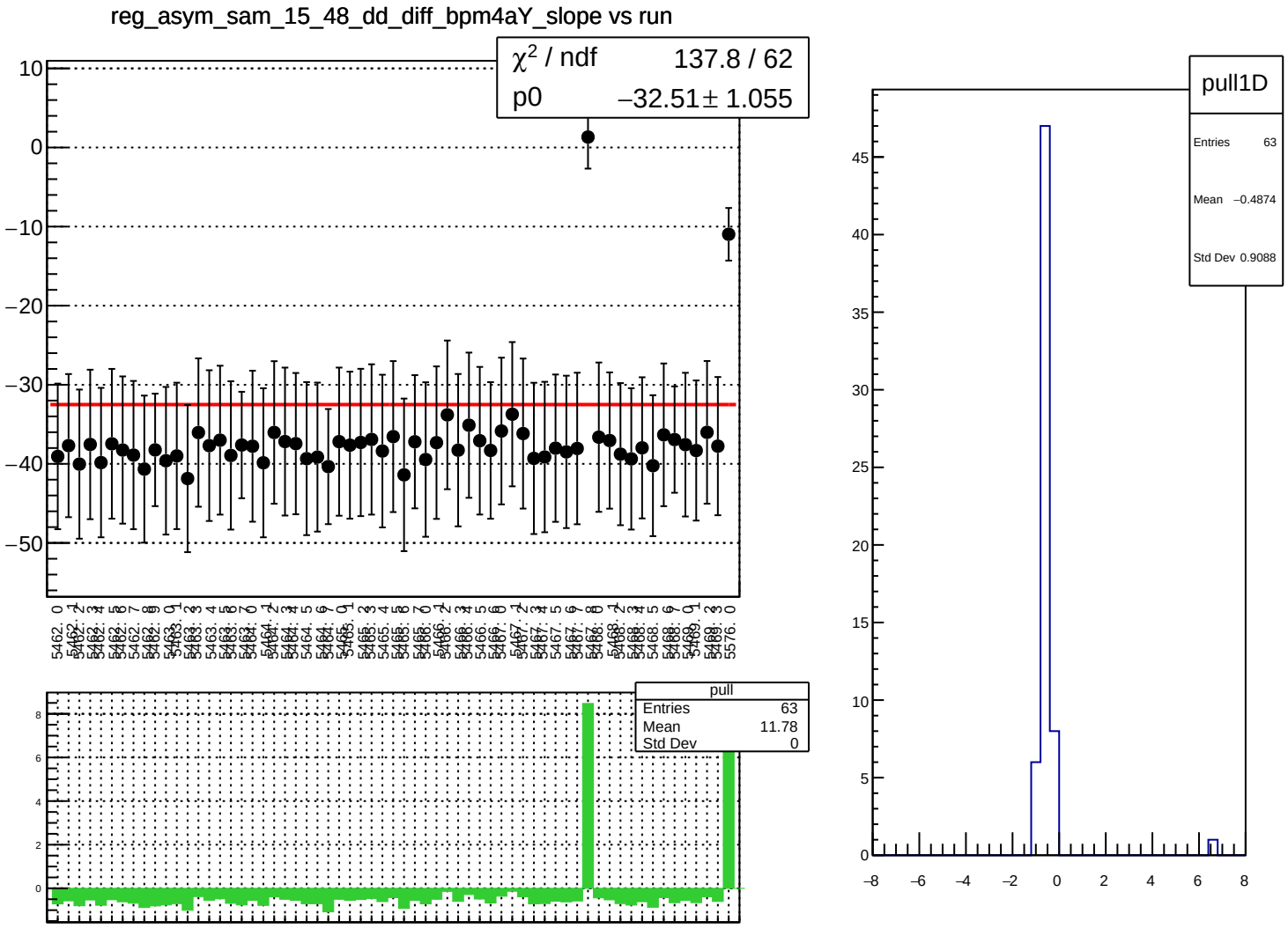

pull1D
Entries 63
Mean 0.001749
Std Dev 0.4099

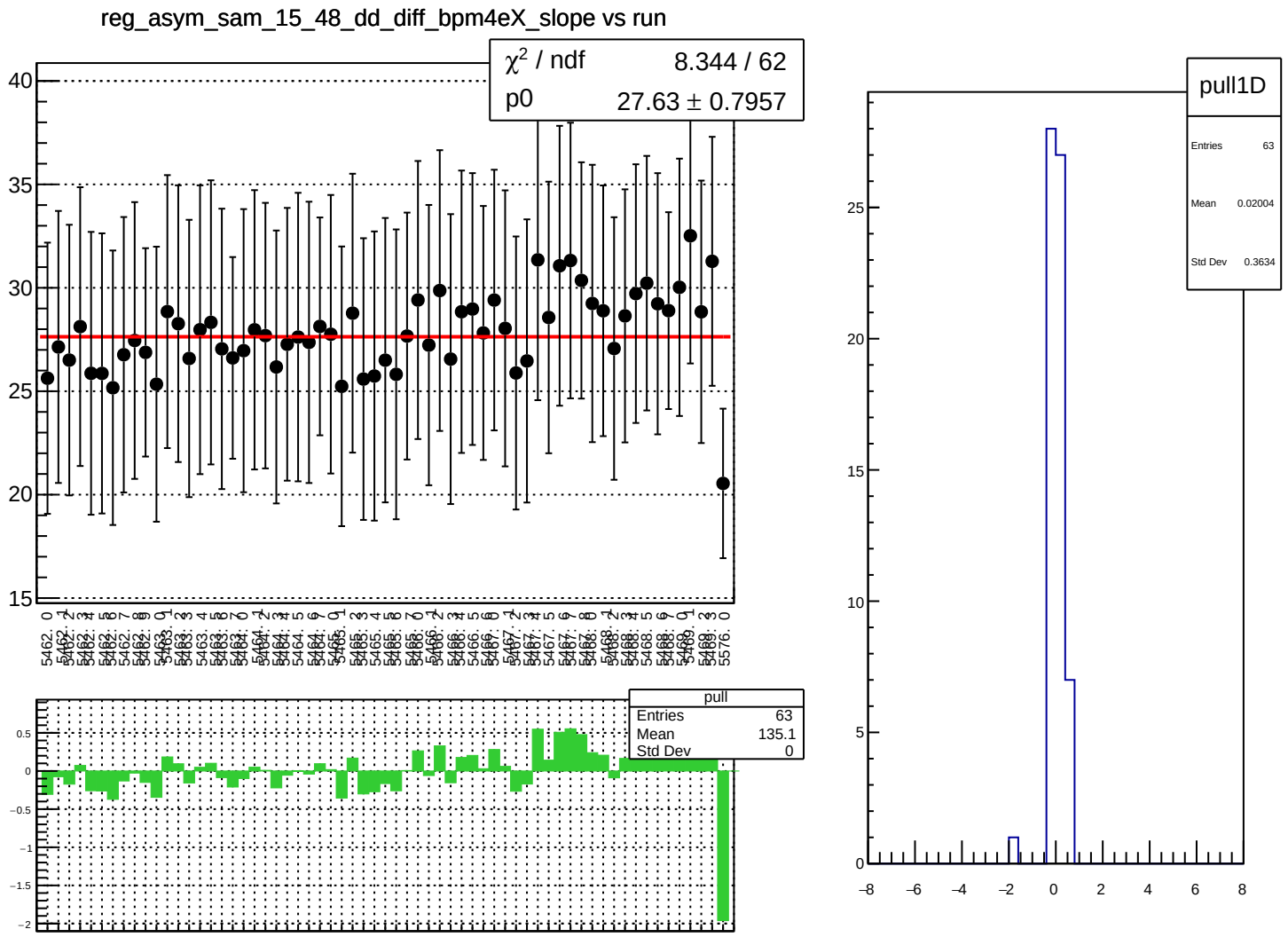

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.68 / 62
p0 13.88 ± 3.385
pull
Entries 63
Mean 15.04
Std Dev 0
pull1D
Entries 63
Mean 0.1653
Std Dev 0.8993

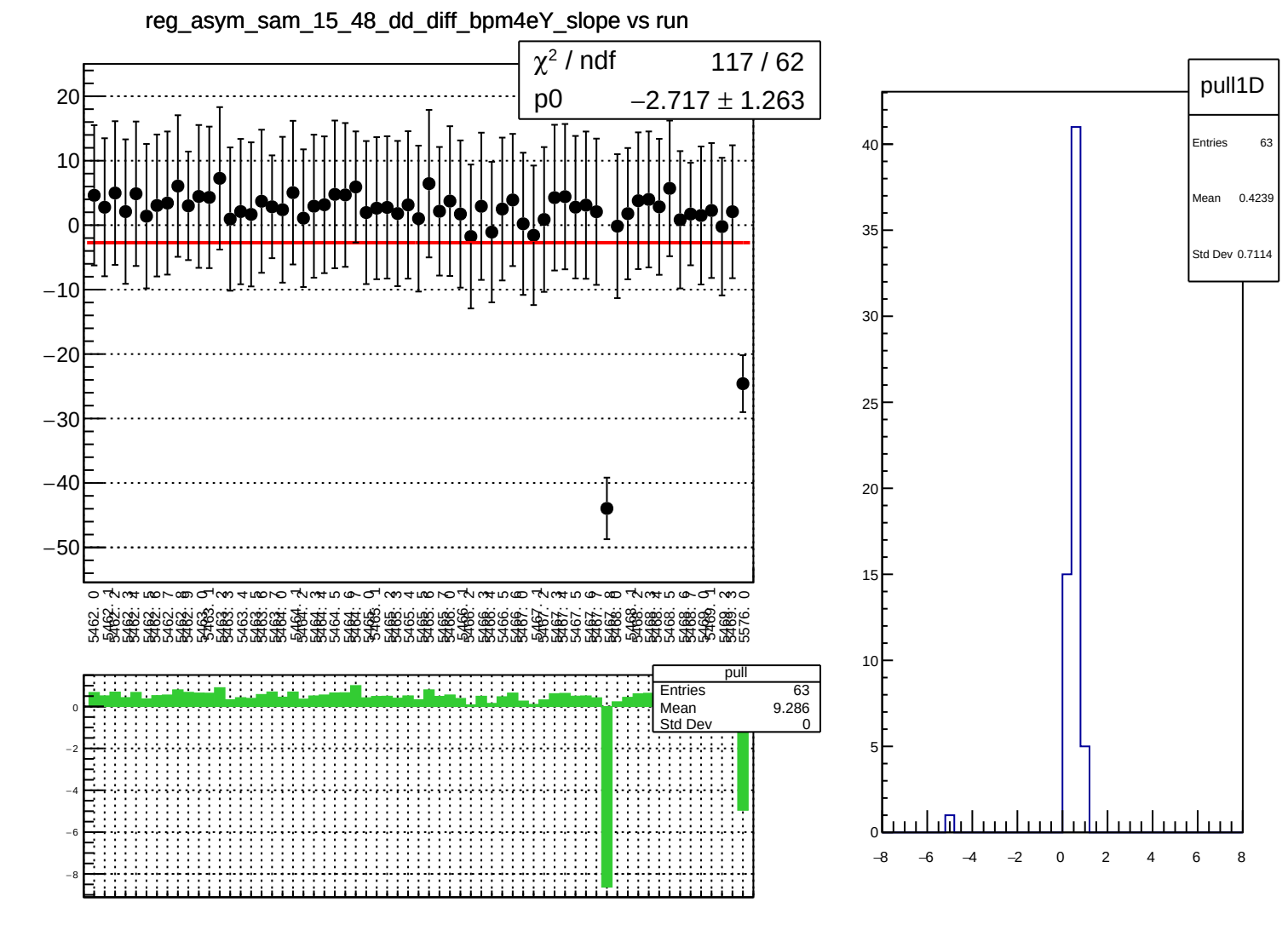

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.408 / 62
p0 −0.3786 ± 0.08859
pull
Entries 63
Mean 24.26
Std Dev 27.6
pull1D
Entries 63
Mean −0.002534
Std Dev 0.2326

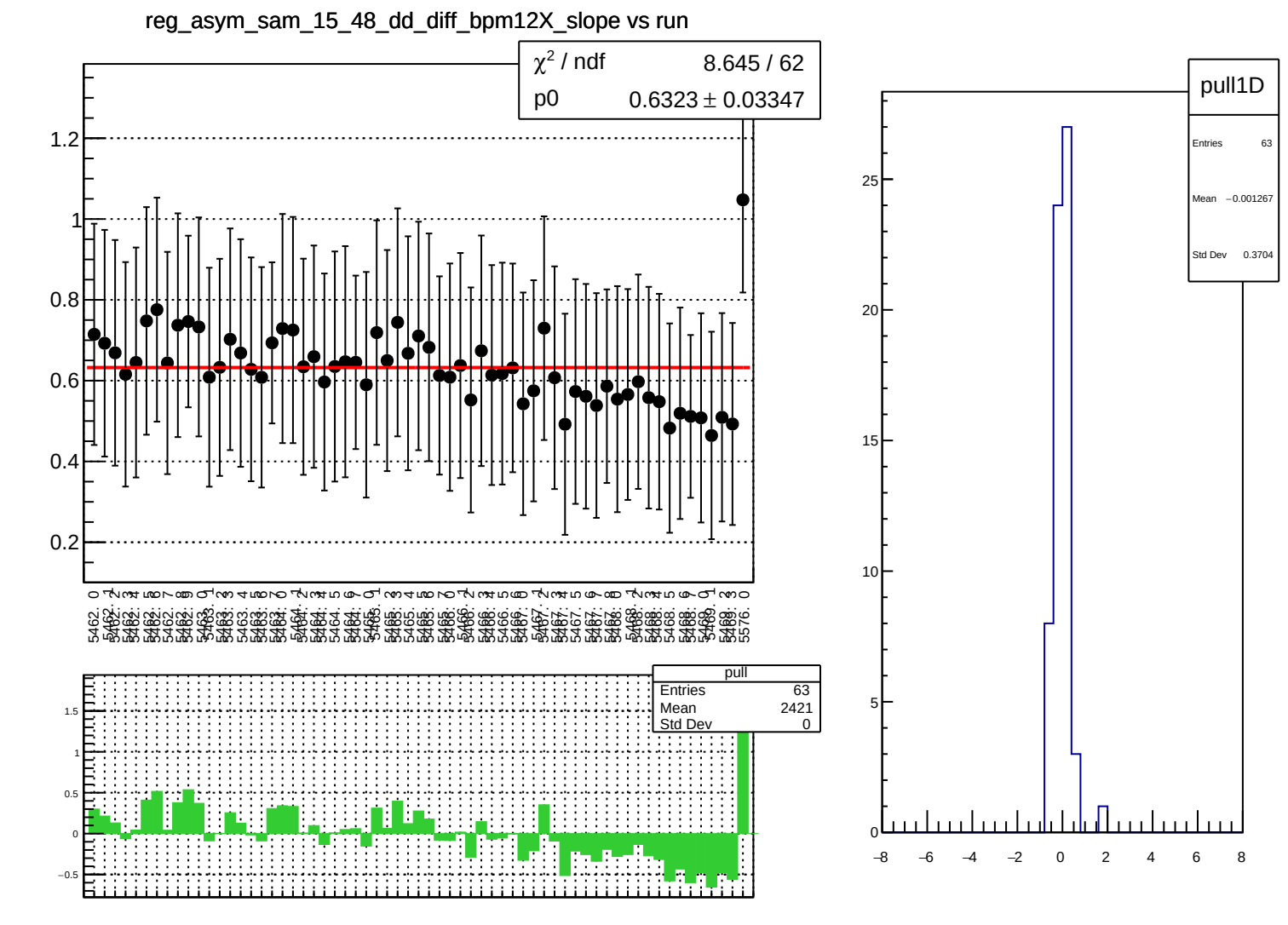

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.852 / 62
p0 12.17 ± 1.015
pull
Entries 63
Mean −278.6
Std Dev 0

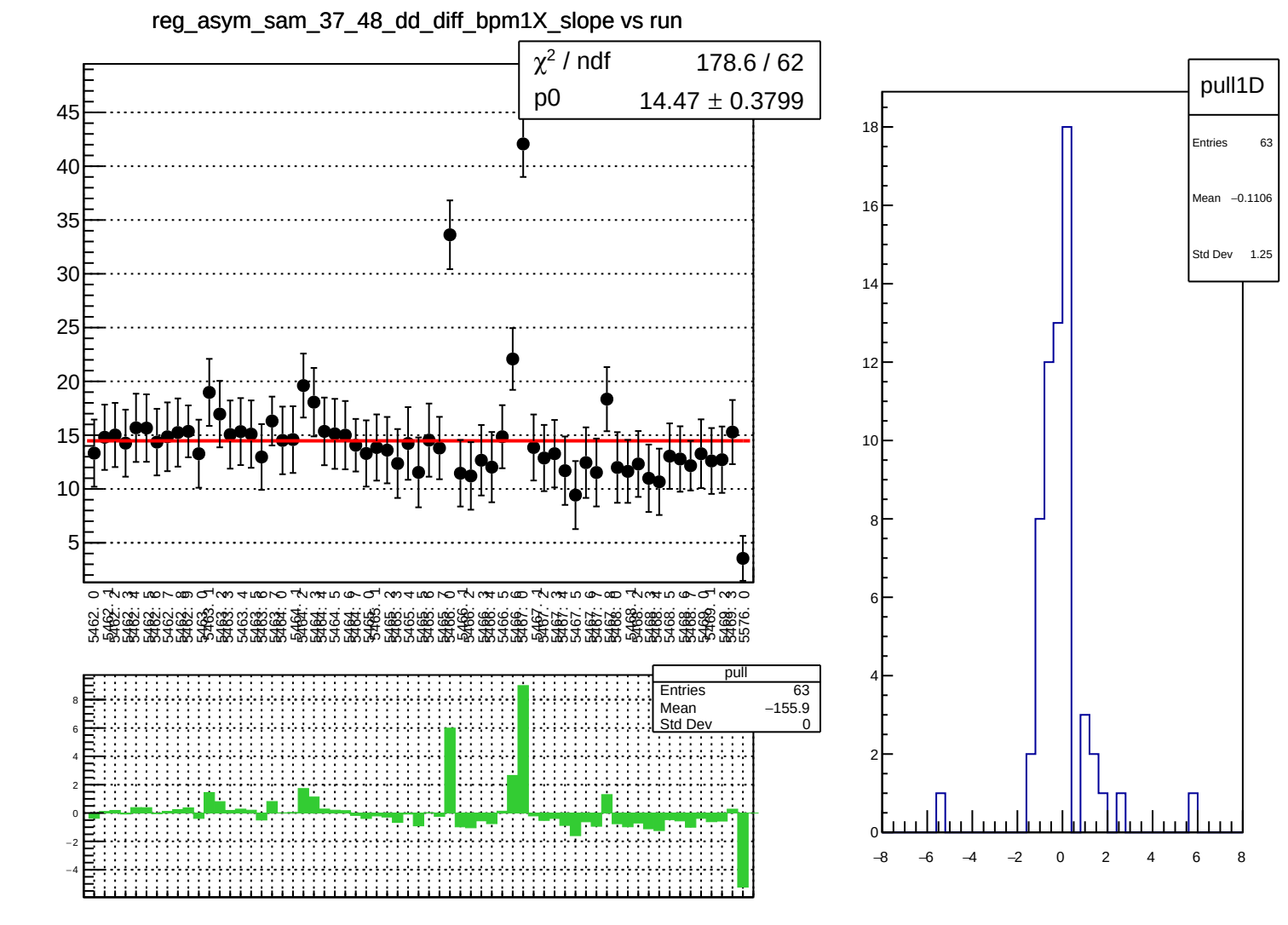

pull1D
Entries 63
Mean 0.008574
Std Dev 0.2471

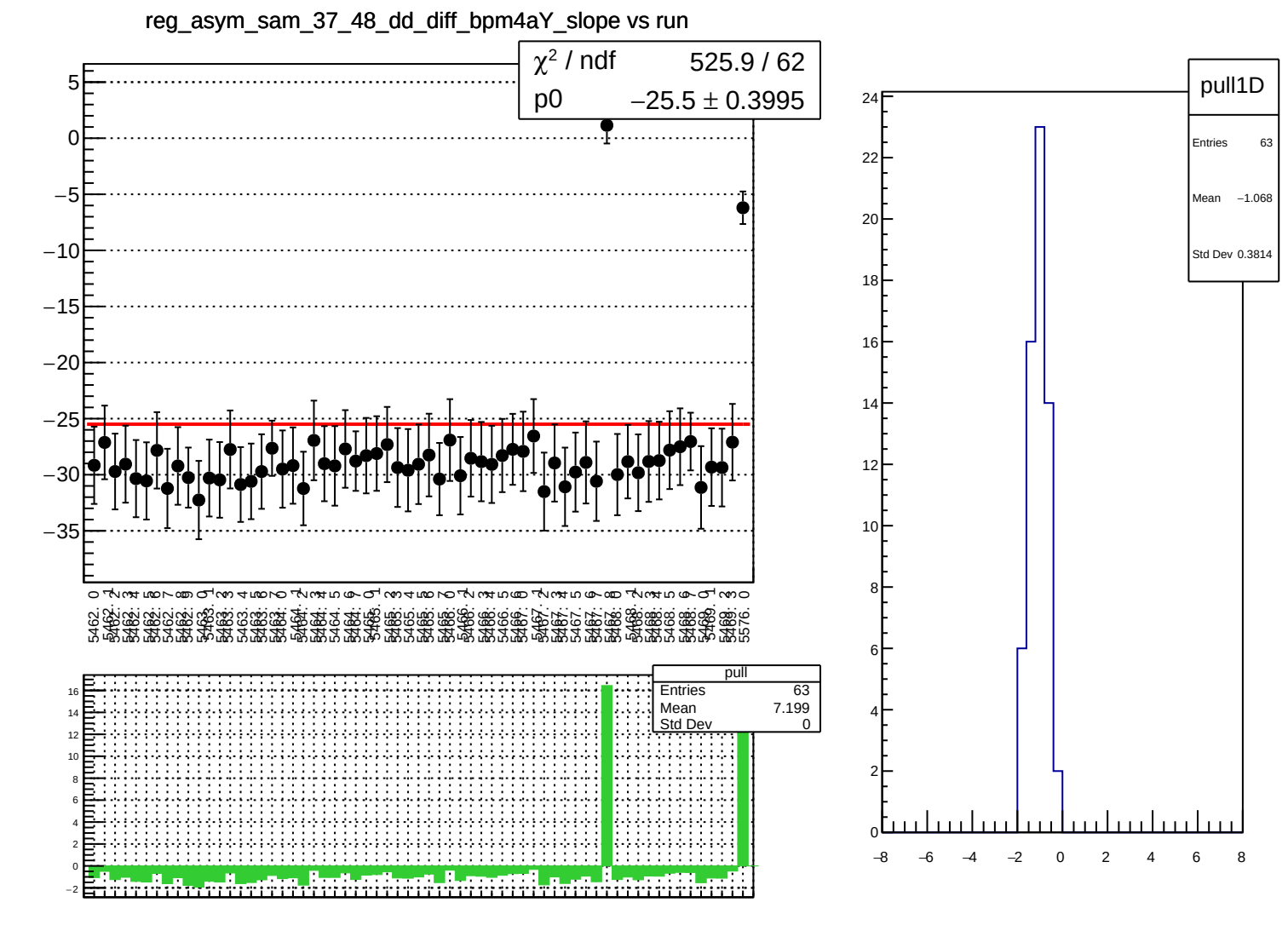

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 137.8 / 62
p0 −32.51 ± 1.055
pull
Entries 63
Mean 11.78
Std Dev 0
pull1D
Entries 63
Mean −0.4874
Std Dev 0.9088

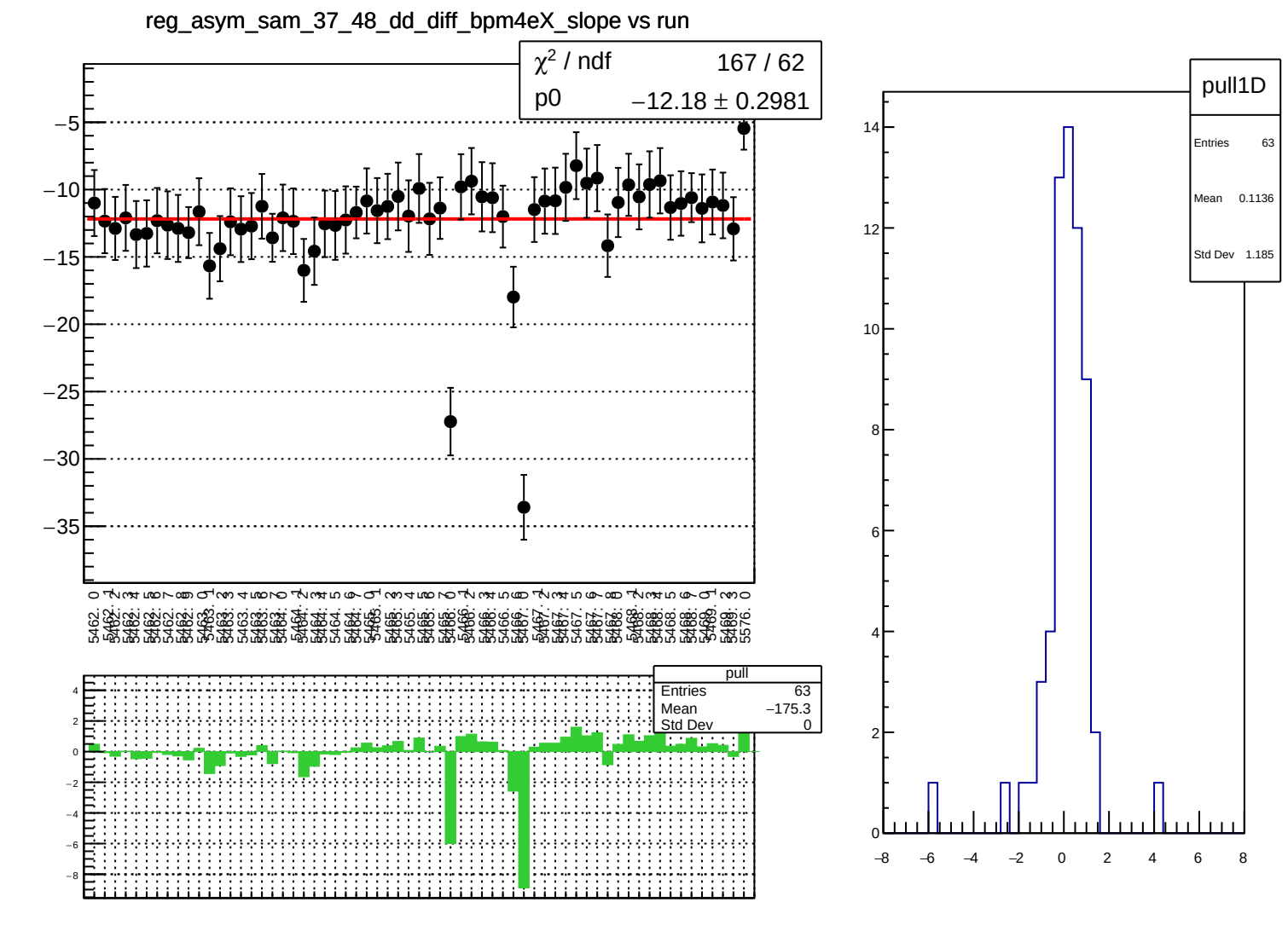

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.344 / 62
p0 27.63 ± 0.7957
pull
Entries 63
Mean 135.1
Std Dev 0
pull1D
Entries 63
Mean 0.02004
Std Dev 0.3634

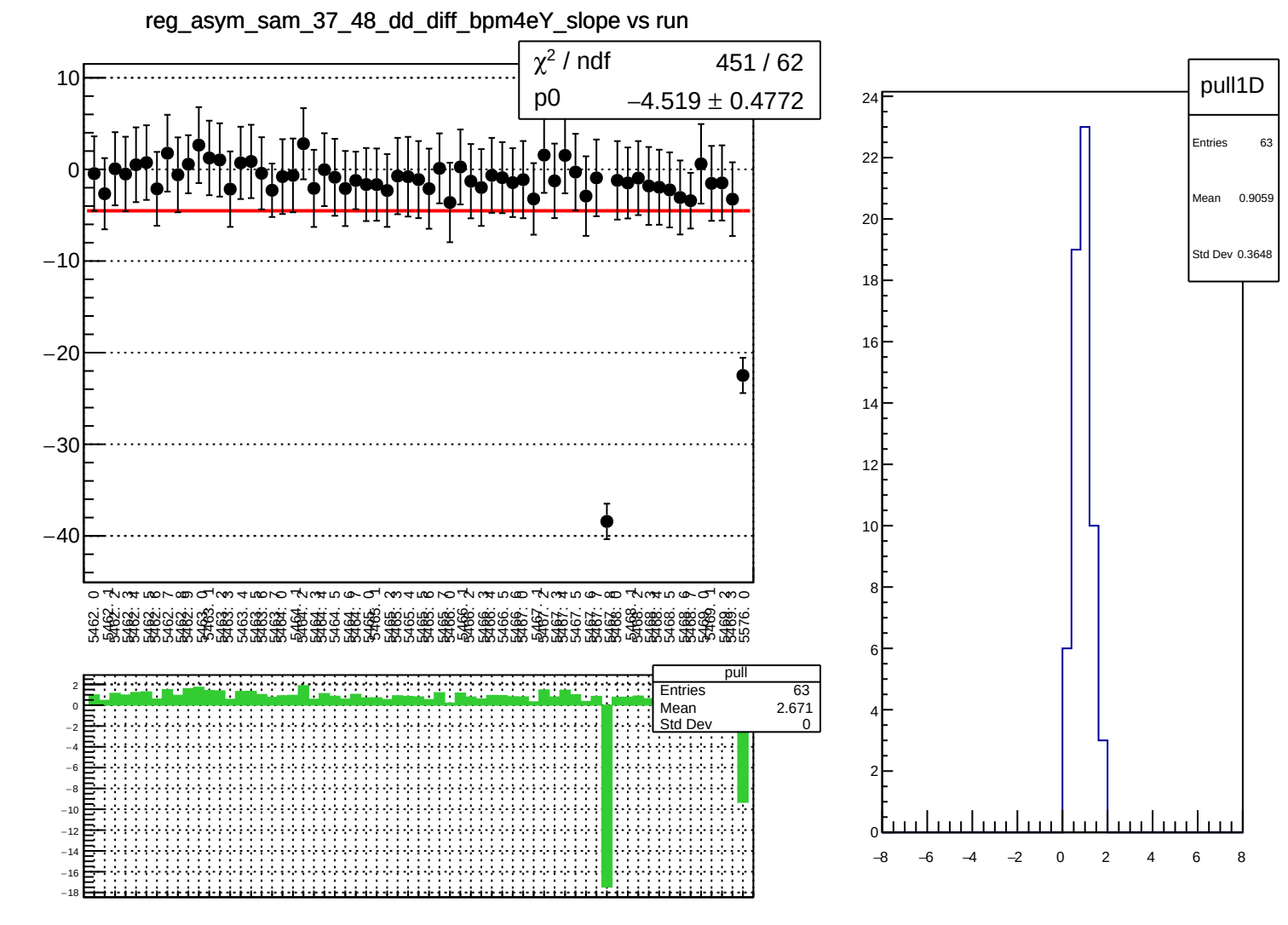

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 117 / 62
p0 −2.717 ± 1.263
pull
Entries 63
Mean 9.286
Std Dev 0
pull1D
Entries 63
Mean 0.4239
Std Dev 0.7114

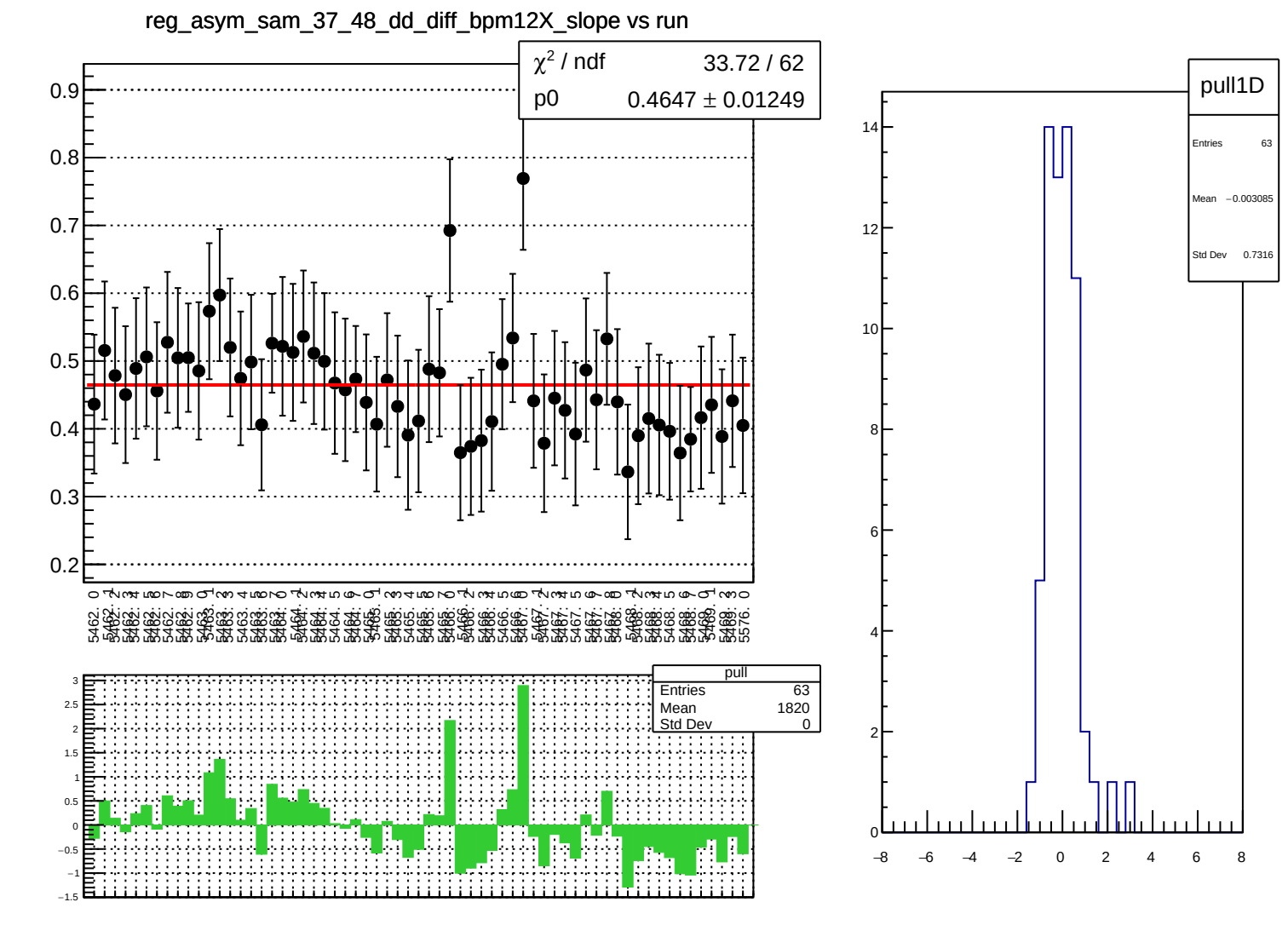

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.645 / 62
p0 0.6323 ± 0.03347
pull
Entries 63
Mean 2421
Std Dev 0
pull1D
Entries 63
Mean −0.001267
Std Dev 0.3704

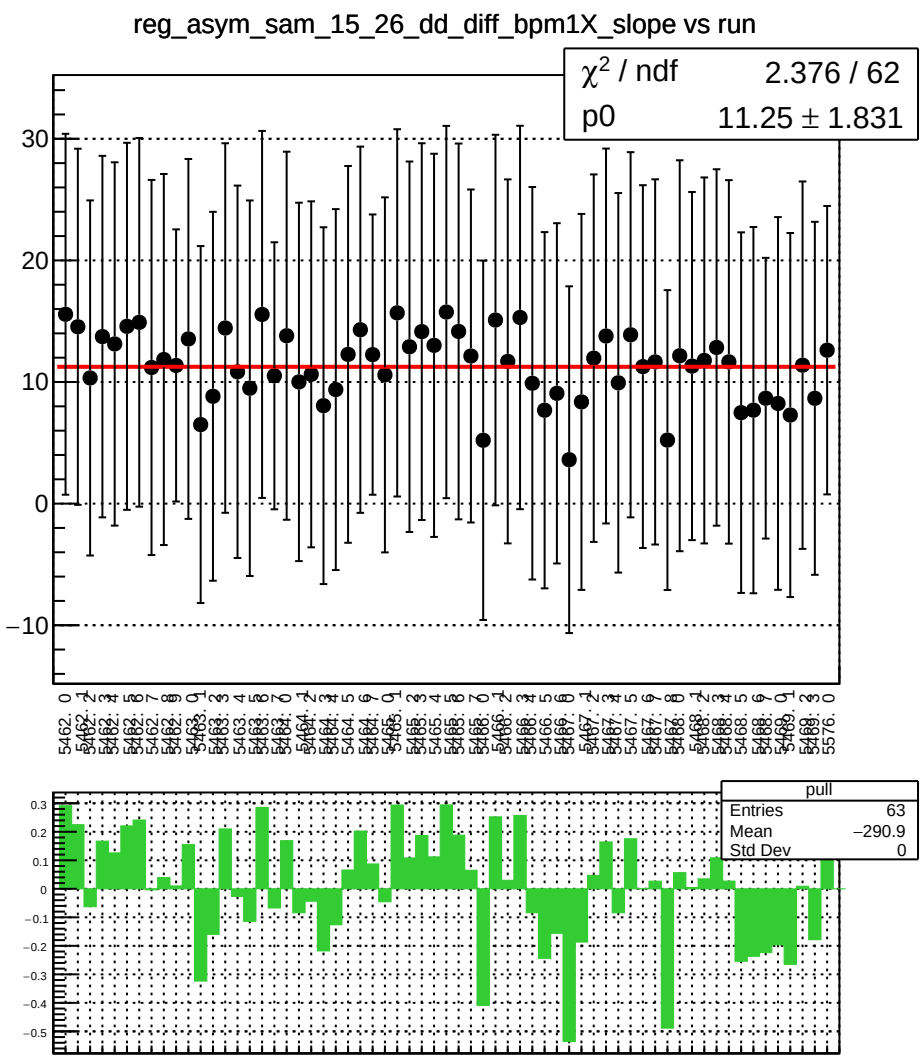

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 178.6 / 62
p0 14.47 ± 0.3799
pull
Entries 63
Mean −155.9
Std Dev 0
pull1D
Entries 63
Mean −0.1106
Std Dev 1.25

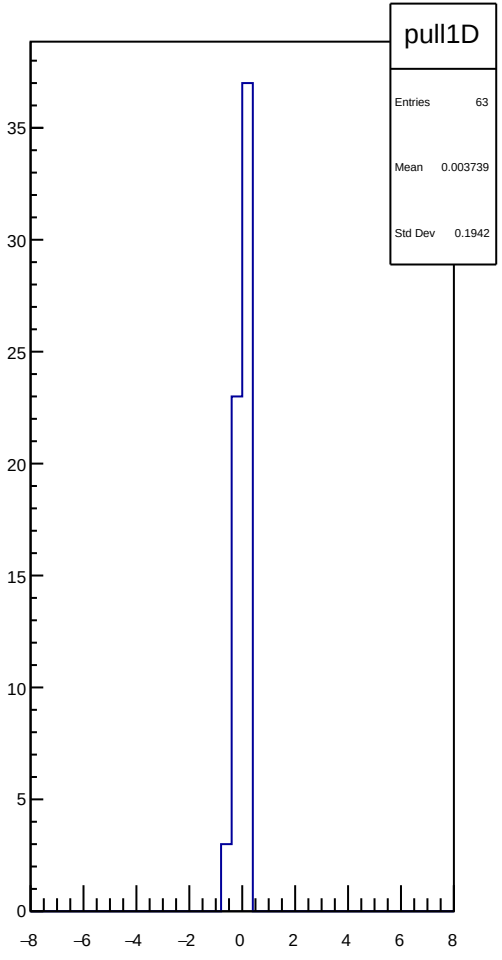

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 525.9 / 62
p0 −25.5 ± 0.3995
pull
Entries 63
Mean 7.199
Std Dev 0
pull1D
Entries 63
Mean −1.068
Std Dev 0.3814

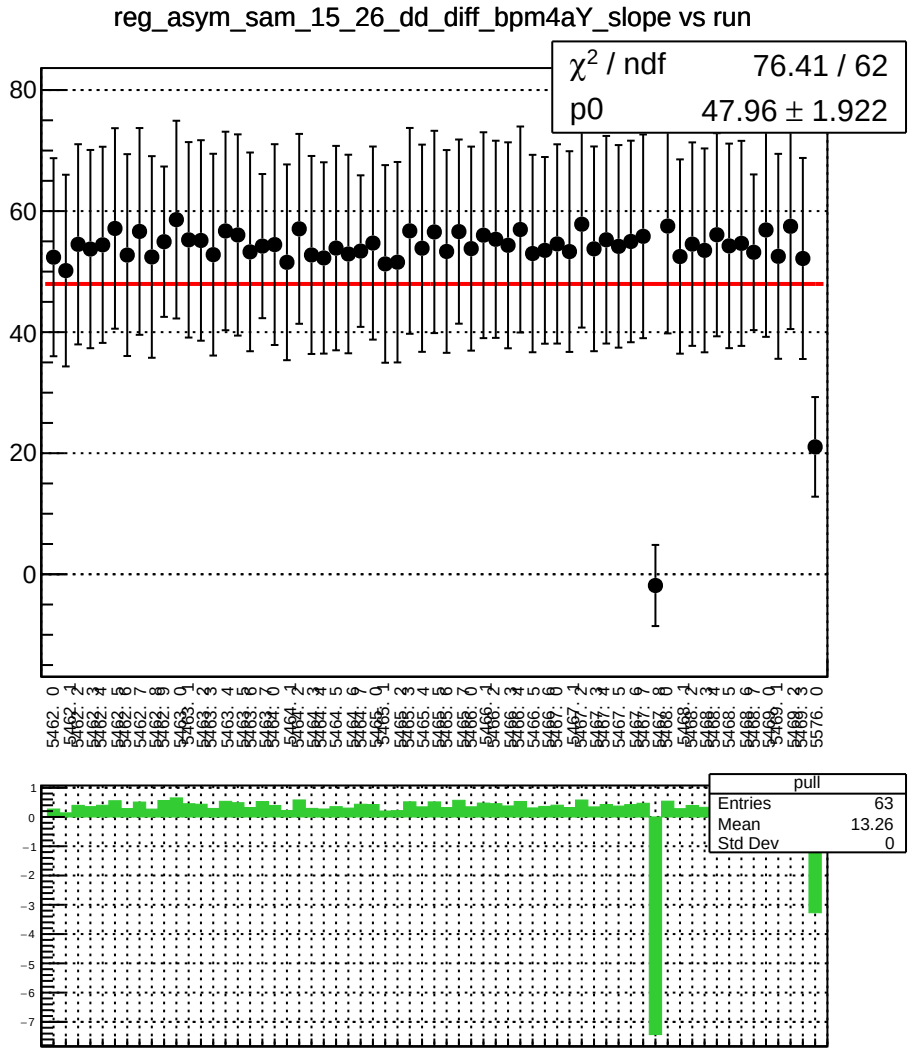

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 167 / 62
p0 −12.18 ± 0.2981
pull
Entries 63
Mean −175.3
Std Dev 0
pull1D
Entries 63
Mean 0.1136
Std Dev 1.185

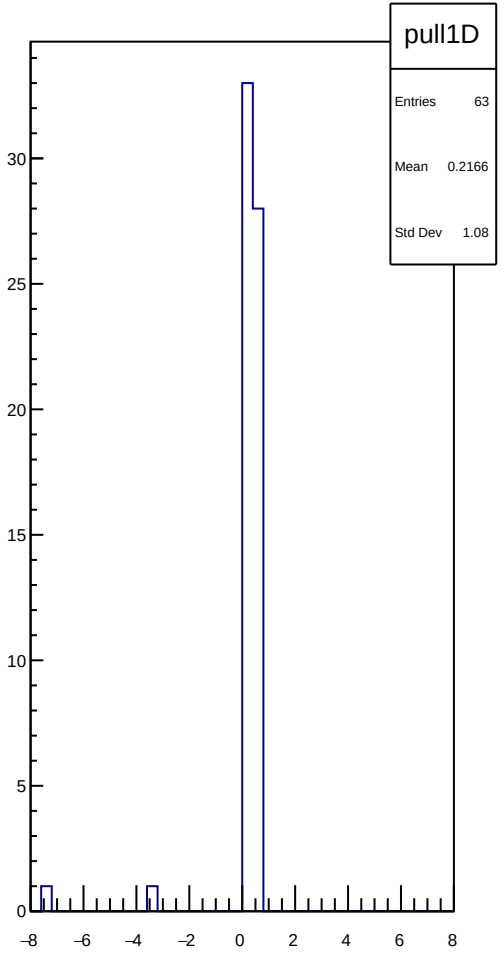

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 451 / 62
p0 −4.519 ± 0.4772
pull
Entries 63
Mean 2.671
Std Dev 0
pull1D
Entries 63
Mean 0.9059
Std Dev 0.3648

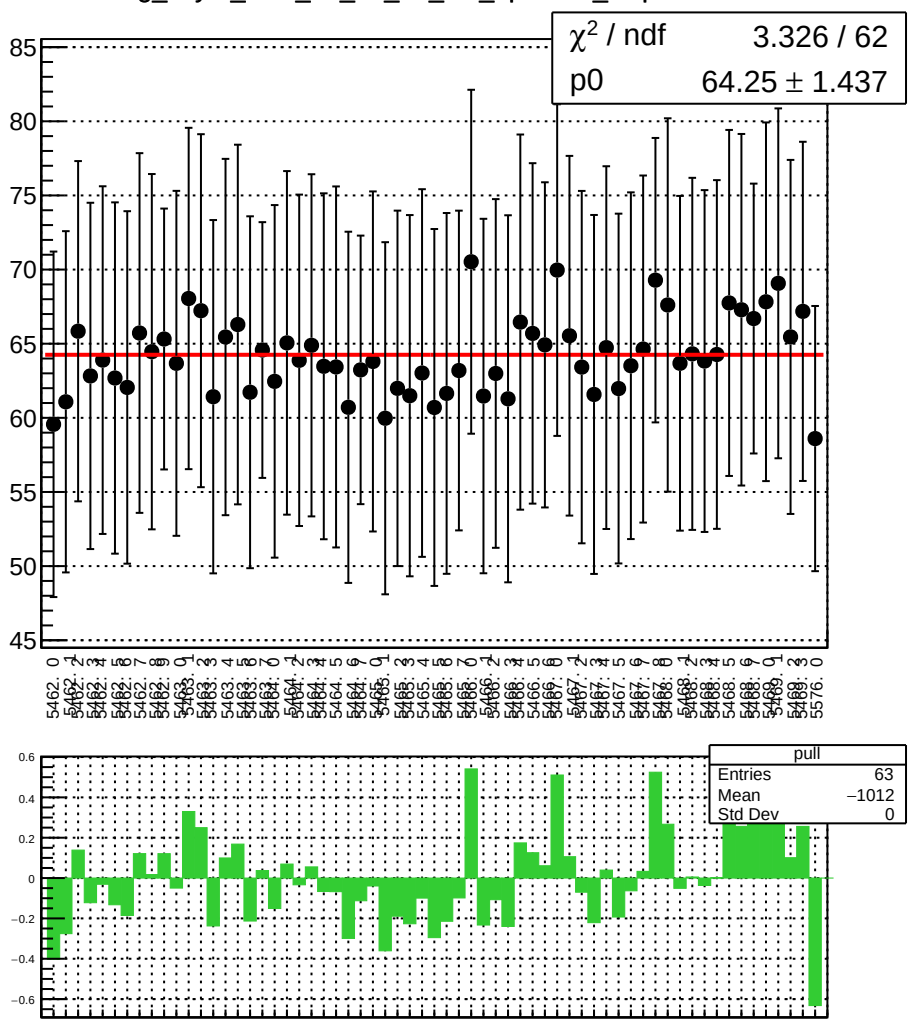

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 33.72 / 62
p0 0.4647 ± 0.01249
pull
Entries 63
Mean 1820
Std Dev 0
pull1D
Entries 63
Mean −0.003085
Std Dev 0.7316

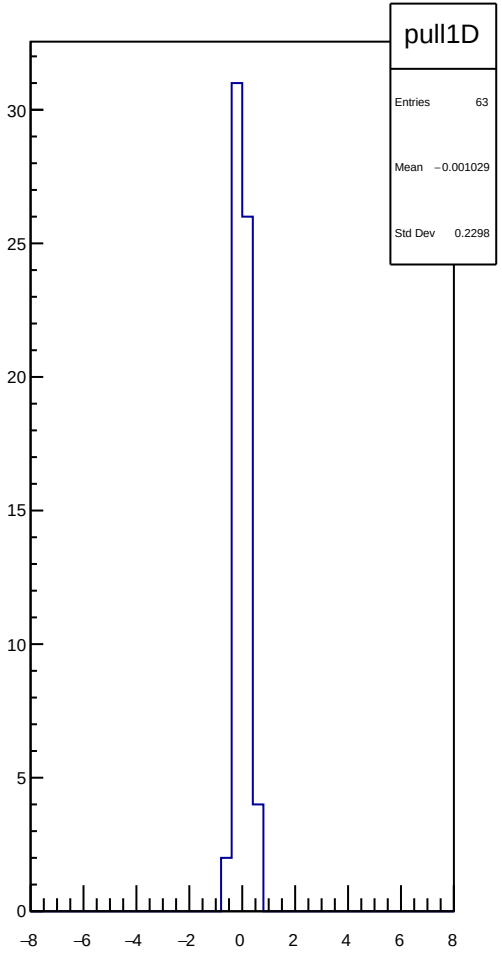

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.376 / 62
p0 11.25 ± 1.831
pull
Entries 63
Mean −290.9
Std Dev 0

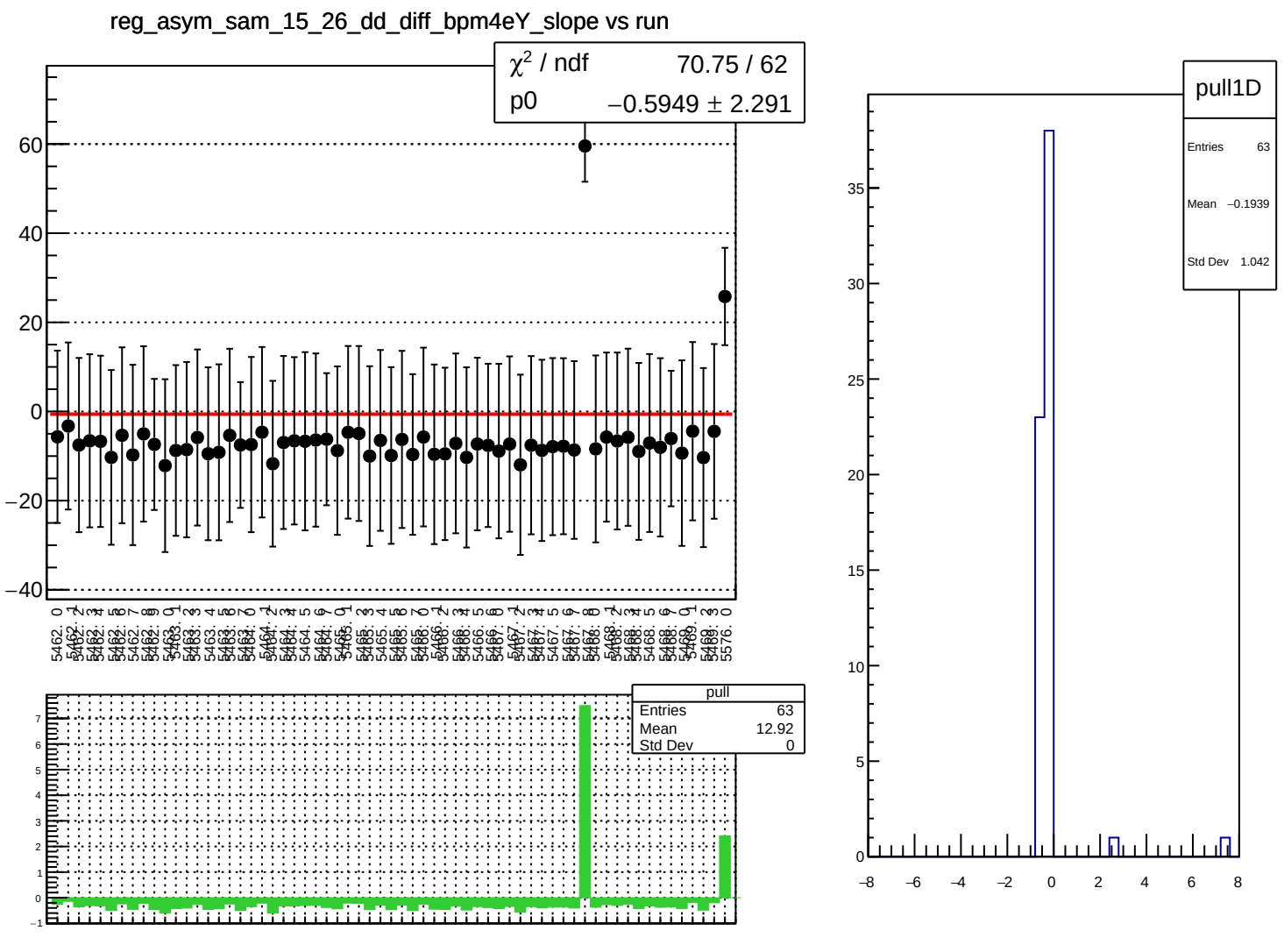

pull1D
Entries 63
Mean 0.003739
Std Dev 0.1942

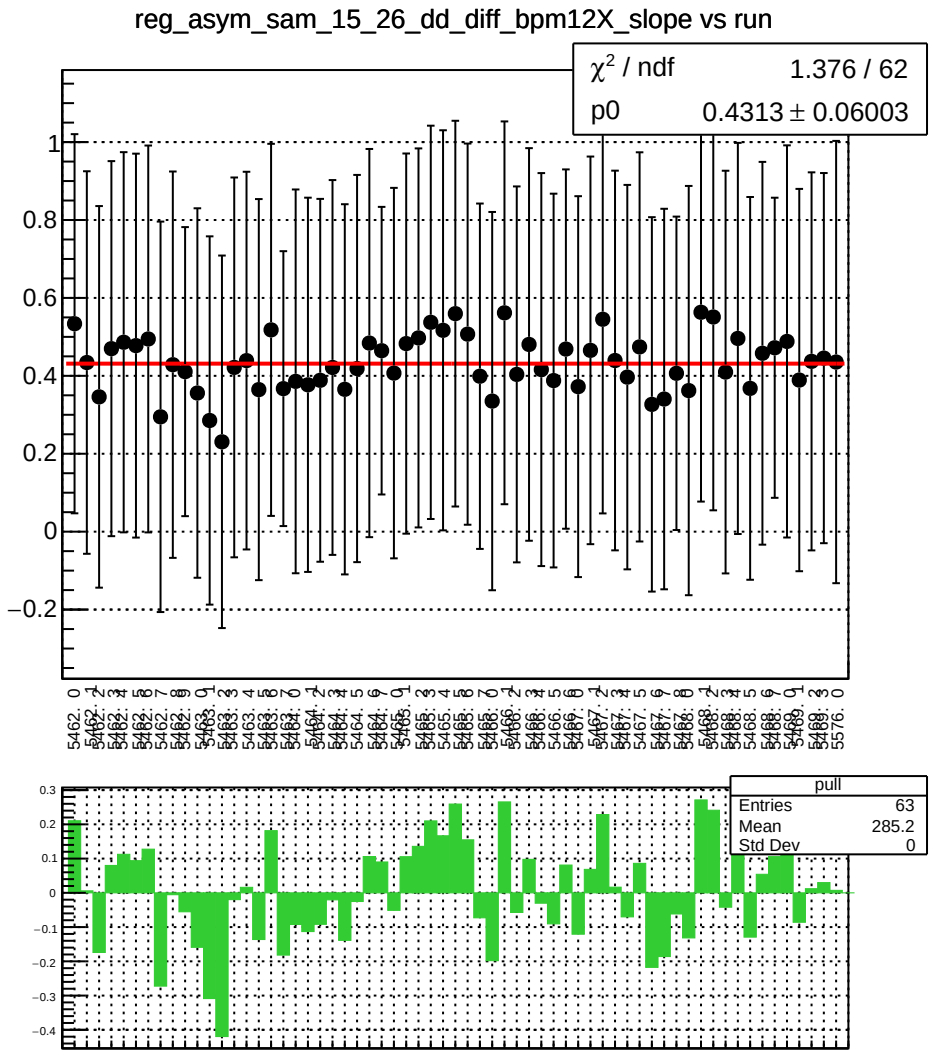

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.41 / 62
p0 47.96 ± 1.922
pull
Entries 63
Mean 13.26
Std Dev 0

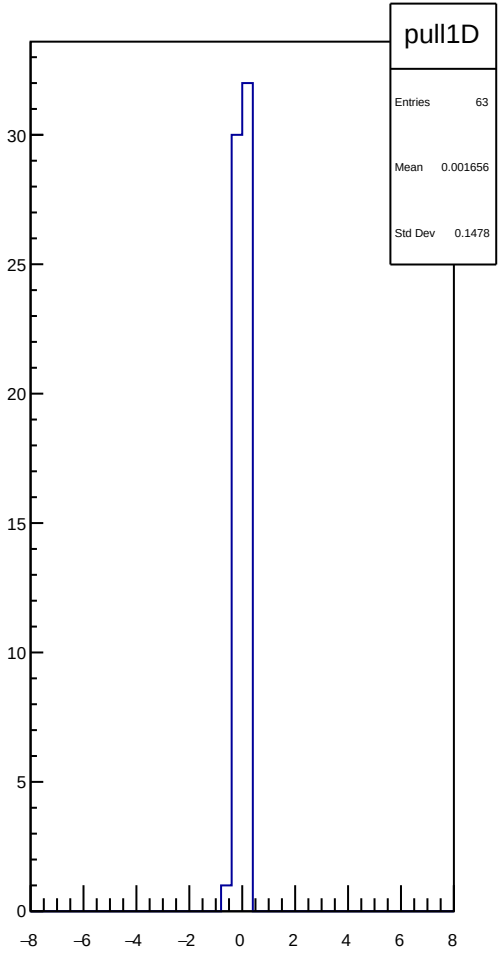

pull1D
Entries 63
Mean 0.2166
Std Dev 1.08

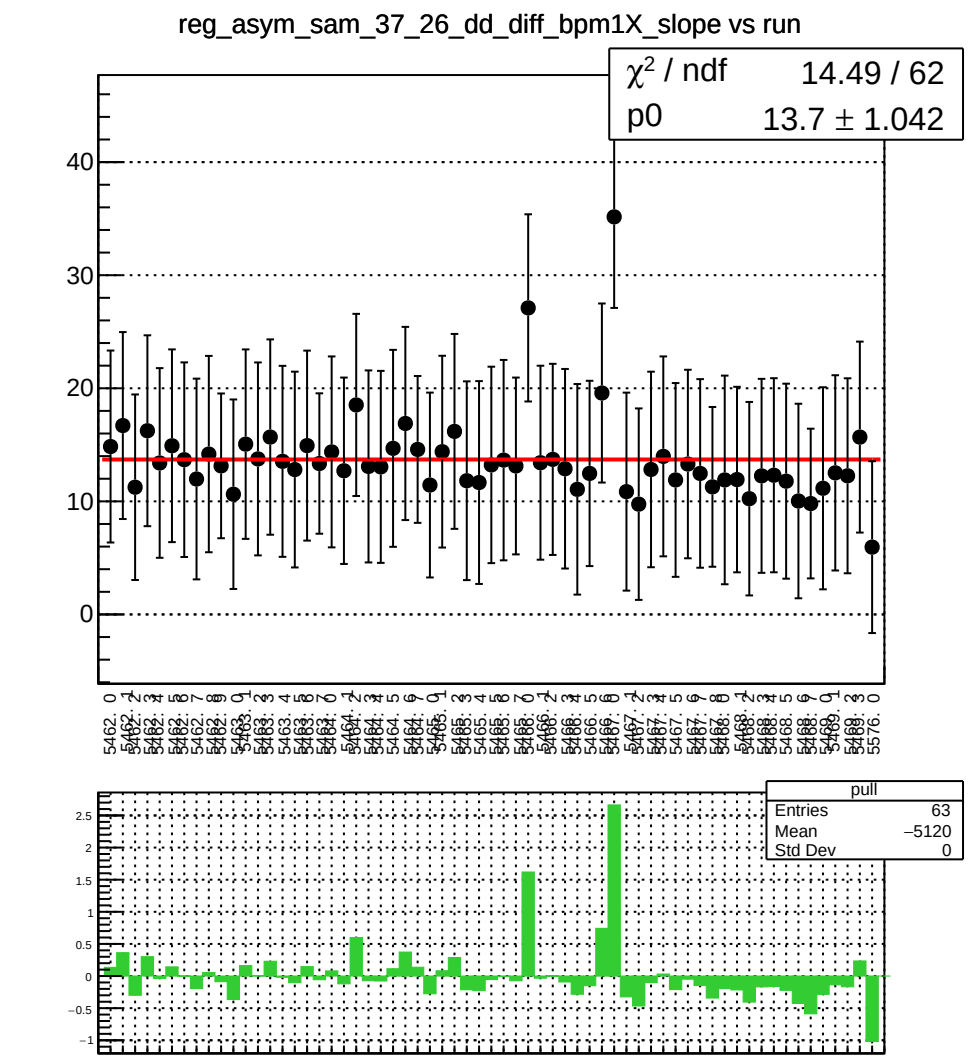

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.326 / 62
p0 64.25 ± 1.437
pull
Entries 63
Mean −1012
Std Dev 0

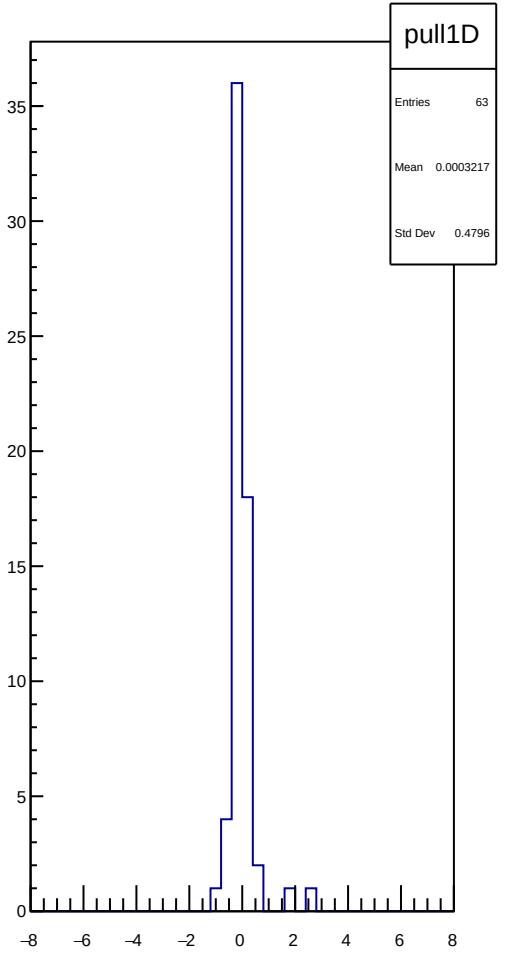

pull1D
Entries 63
Mean −0.001029
Std Dev 0.2298

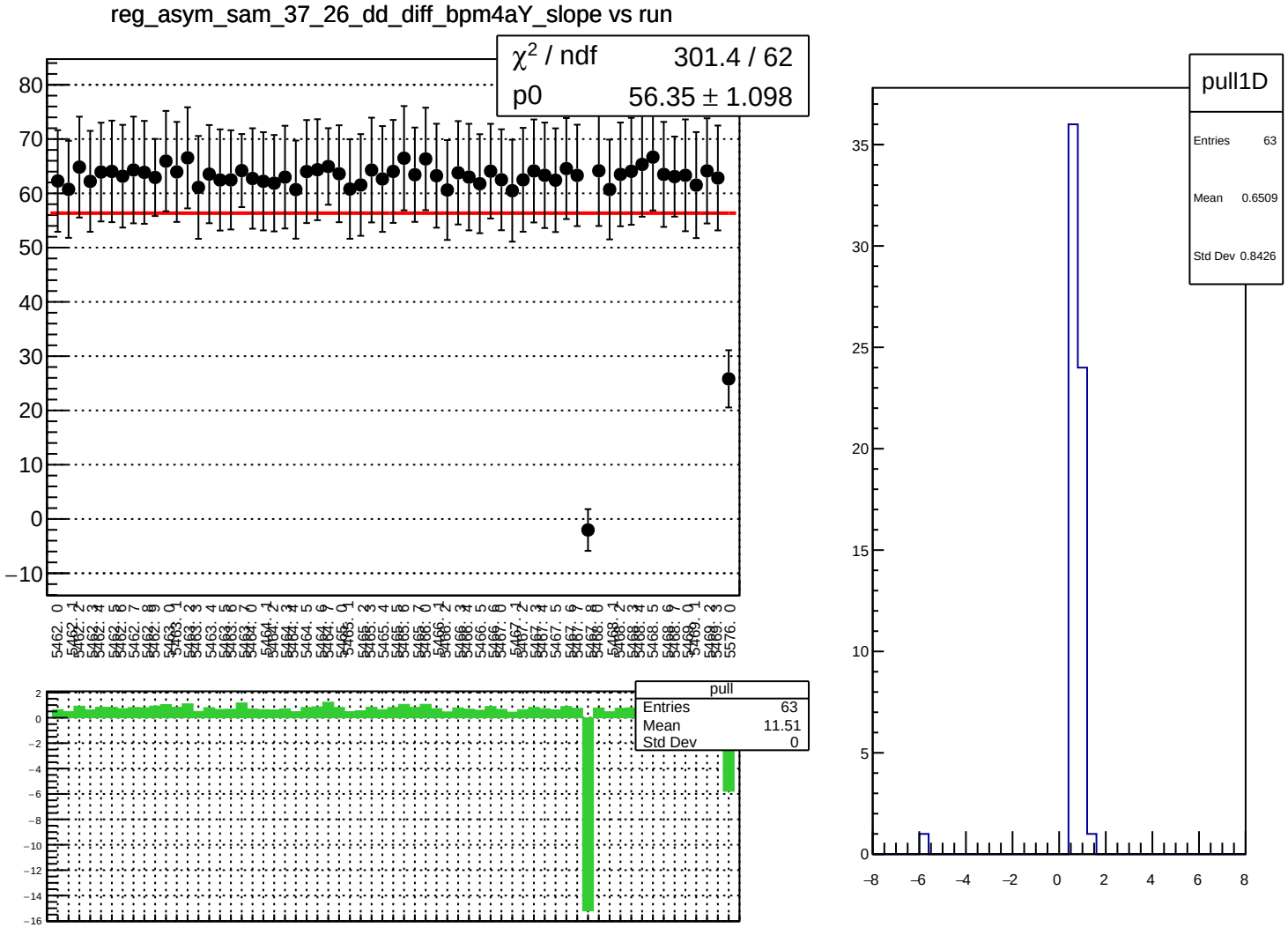

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.75 / 62
p0 −0.5949 ± 2.291
pull
Entries 63
Mean 12.92
Std Dev 0
pull1D
Entries 63
Mean −0.1939
Std Dev 1.042

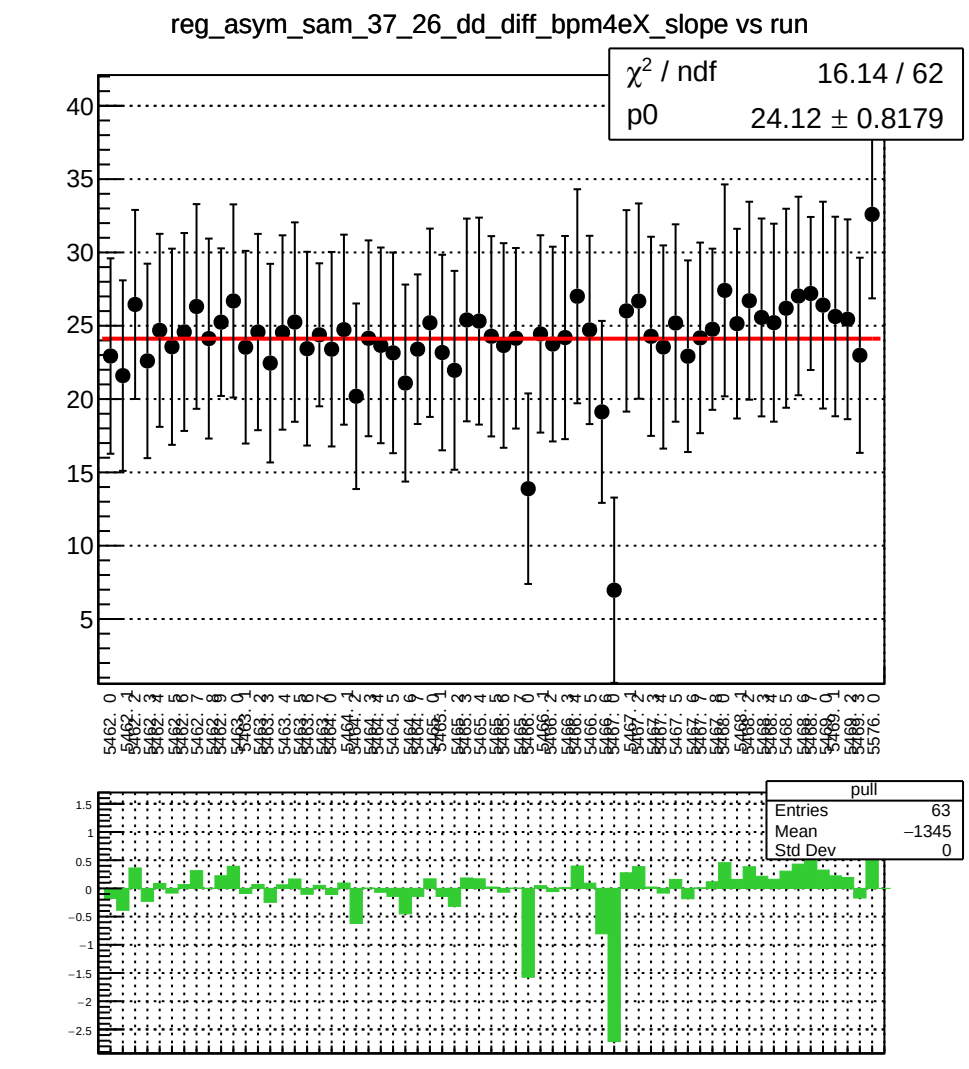

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.376 / 62
p0 0.4313 ± 0.06003
pull
Entries 63
Mean 285.2
Std Dev 0

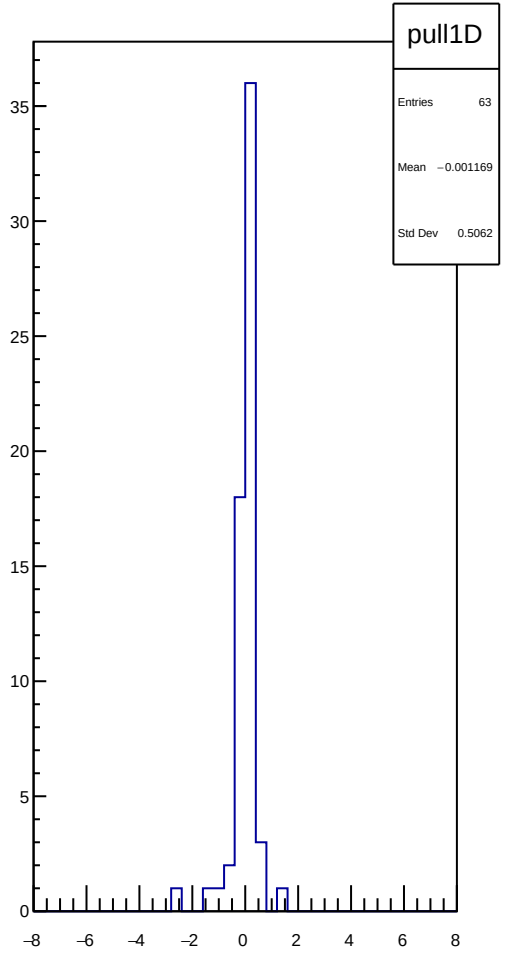

pull1D
Entries 63
Mean 0.001656
Std Dev 0.1478

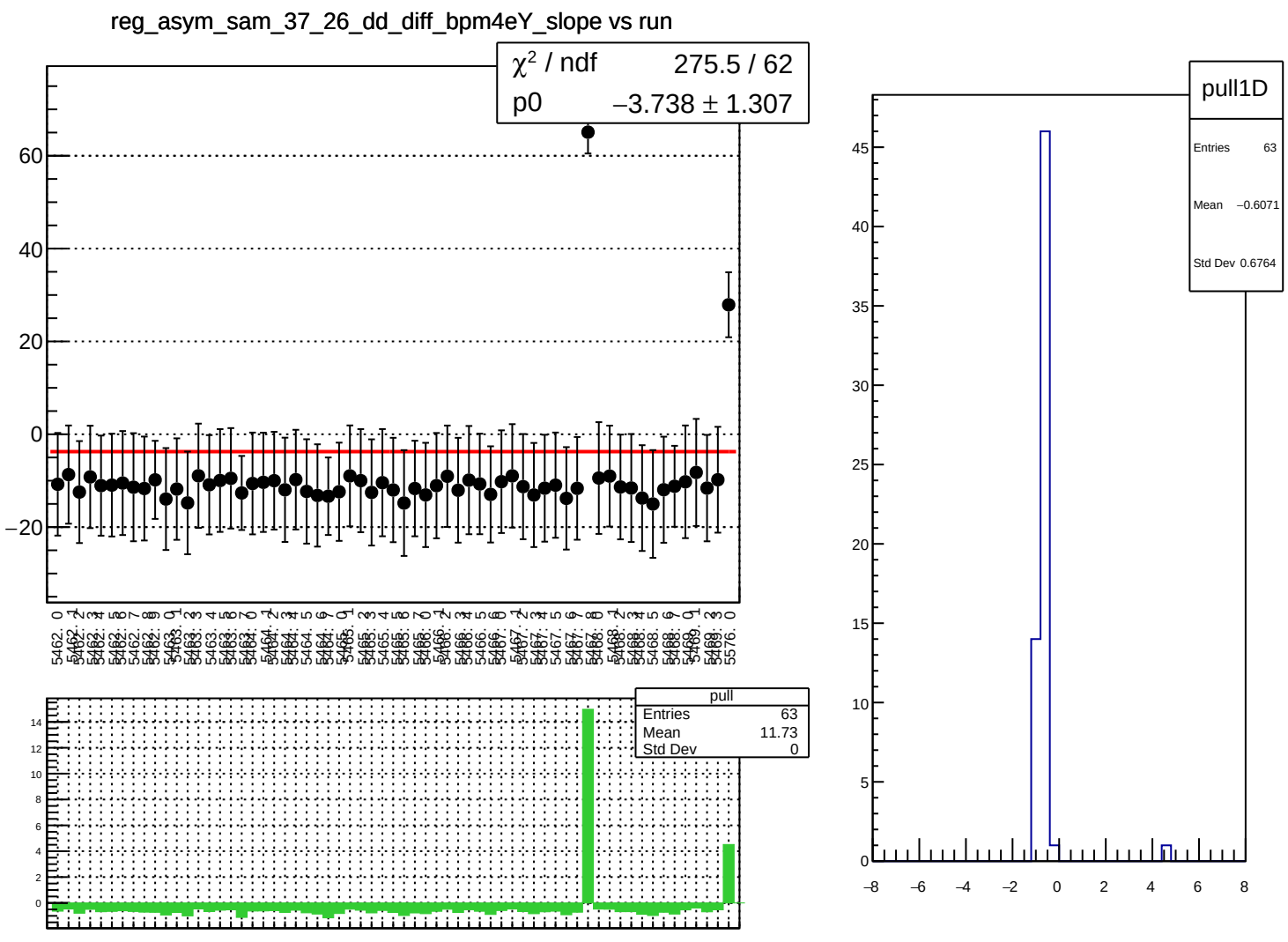

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.49 / 62
p0 13.7 ± 1.042
pull
Entries 63
Mean −5120
Std Dev 0

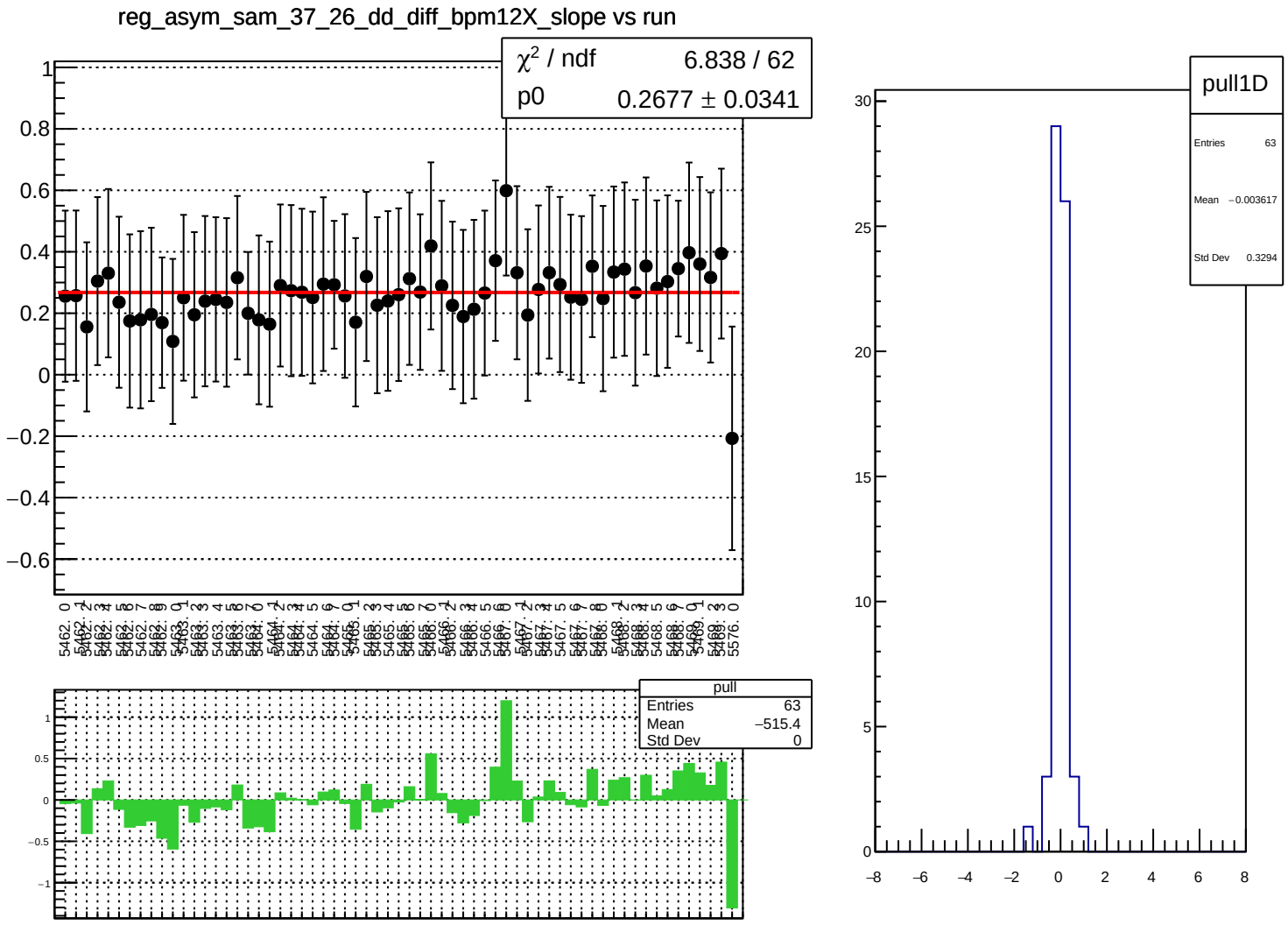

pull1D
Entries 63
Mean 0.0003217
Std Dev 0.4796

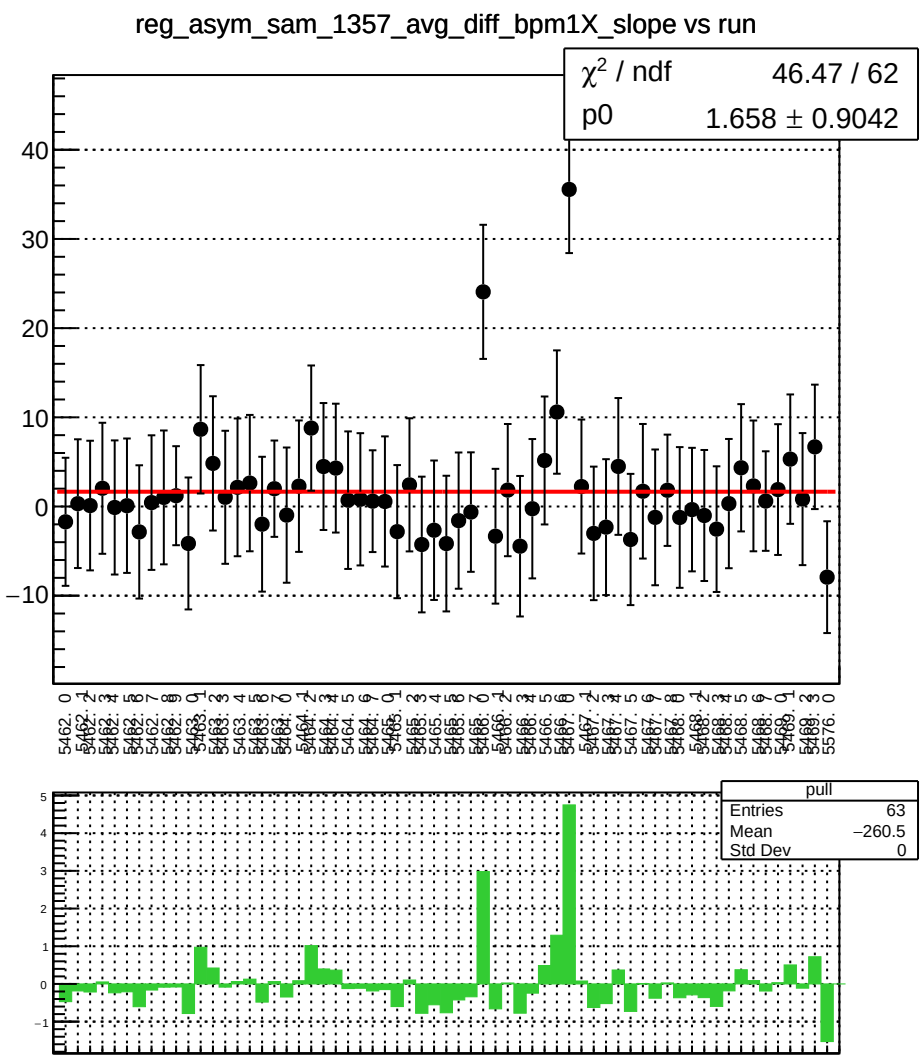

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 301.4 / 62
p0 56.35 ± 1.098
pull
Entries 63
Mean 11.51
Std Dev 0
pull1D
Entries 63
Mean 0.6509
Std Dev 0.8426

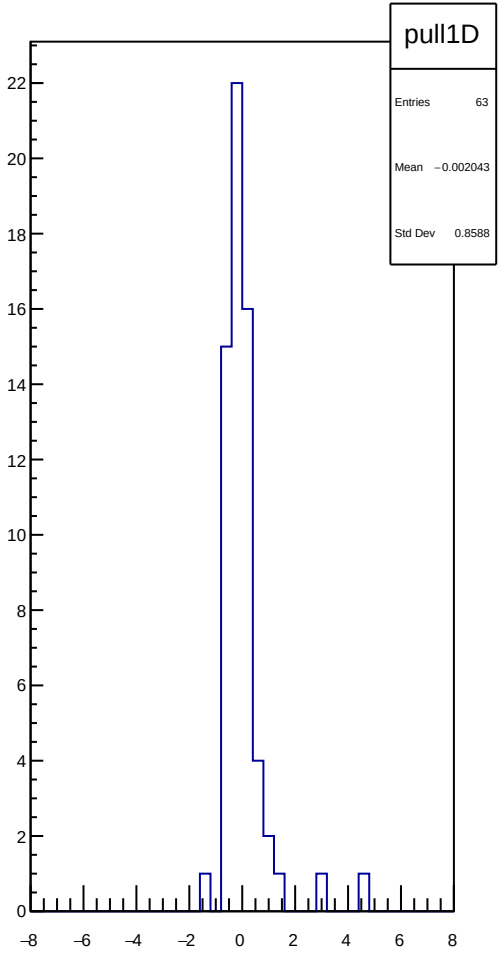

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.14 / 62
p0 24.12 ± 0.8179
pull
Entries 63
Mean −1345
Std Dev 0

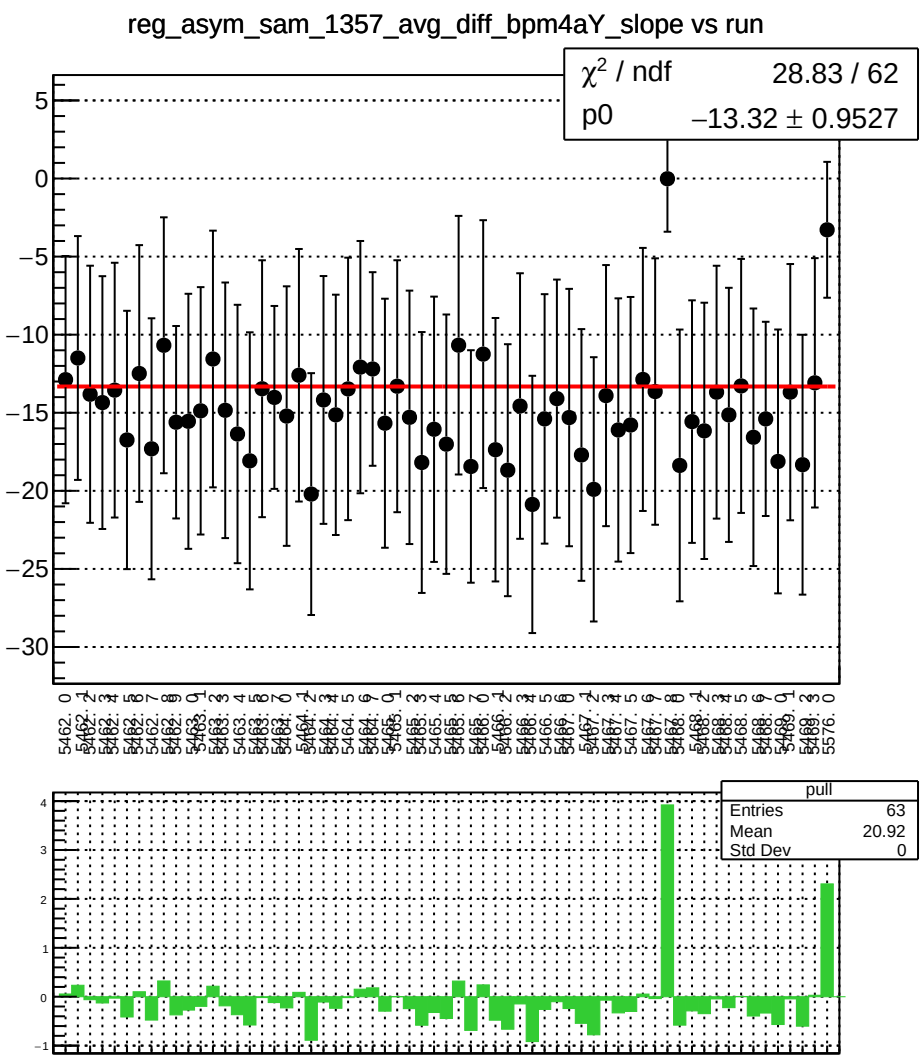

pull1D
Entries 63
Mean −0.001169
Std Dev 0.5062

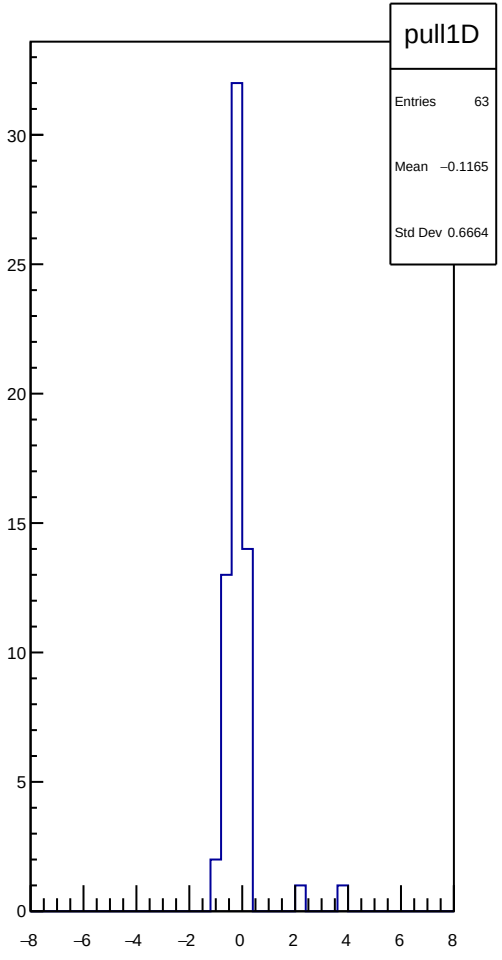

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 275.5 / 62
p0 −3.738 ± 1.307
pull
Entries 63
Mean 11.73
Std Dev 0
pull1D
Entries 63
Mean −0.6071
Std Dev 0.6764

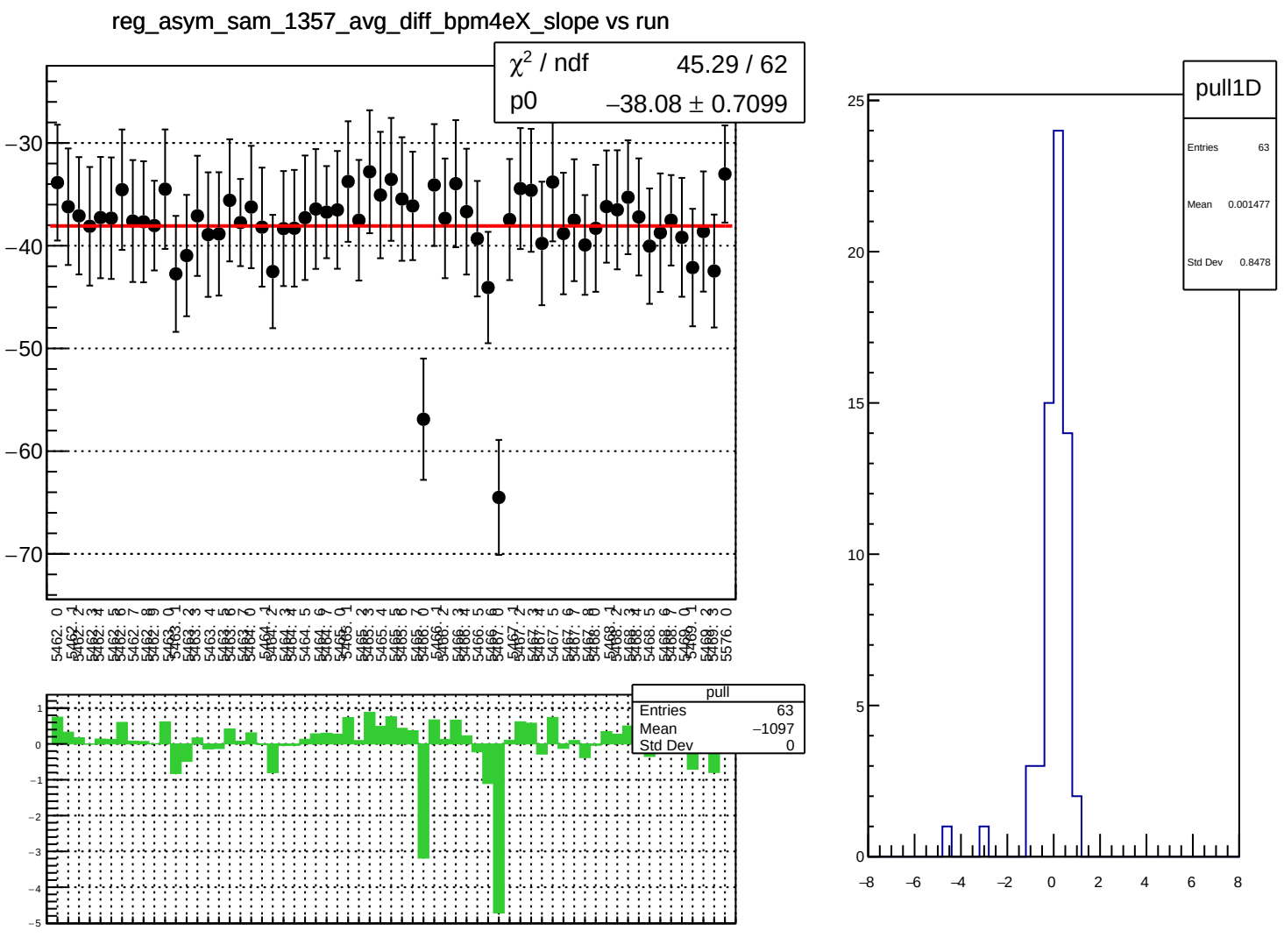

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.838 / 62
p0 0.2677 ± 0.0341
pull
Entries 63
Mean −515.4
Std Dev 0
pull1D
Entries 63
Mean −0.003617
Std Dev 0.3294

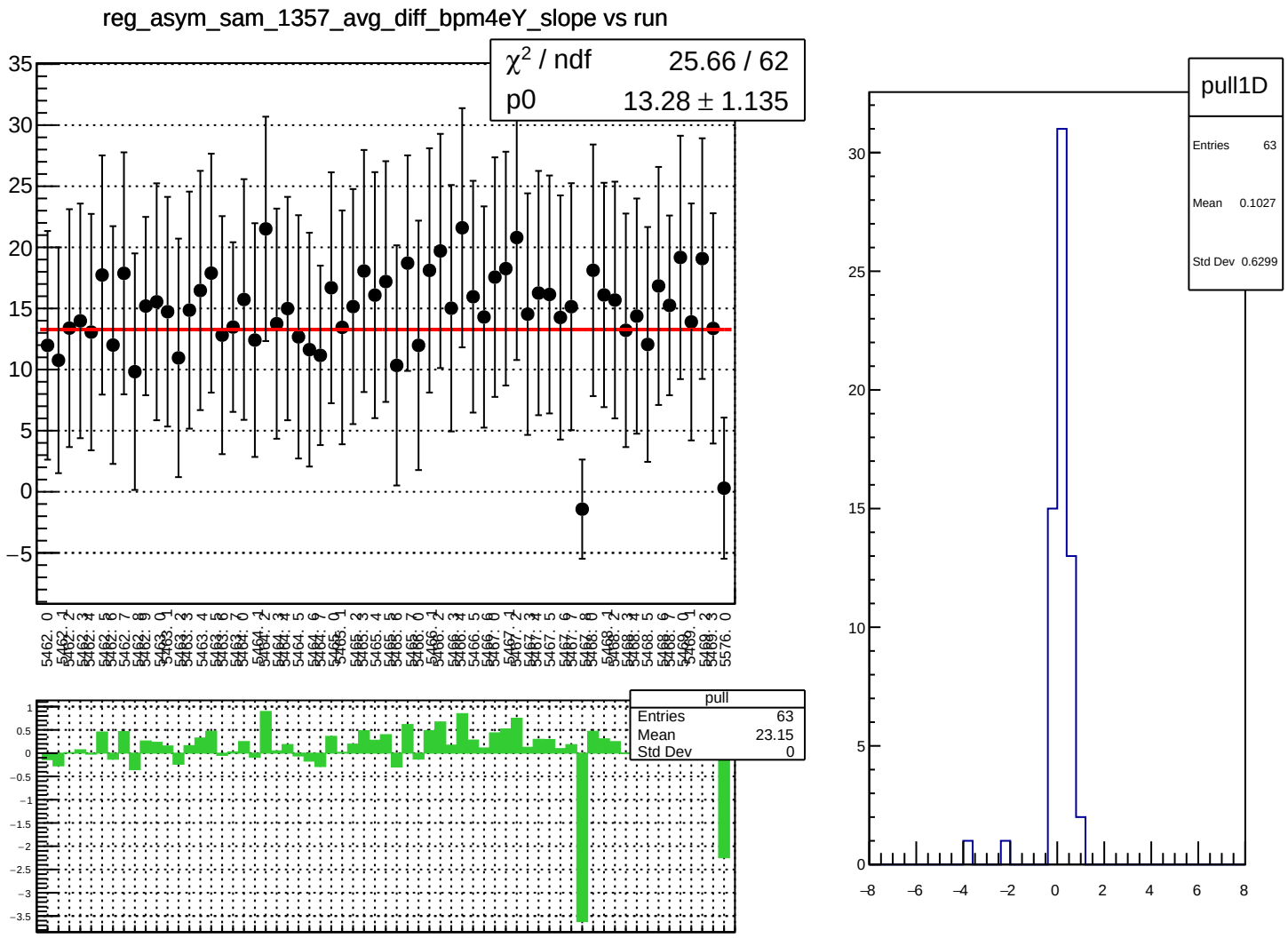

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 46.47 / 62
p0 1.658 ± 0.9042
pull
Entries 63
Mean −260.5
Std Dev 0

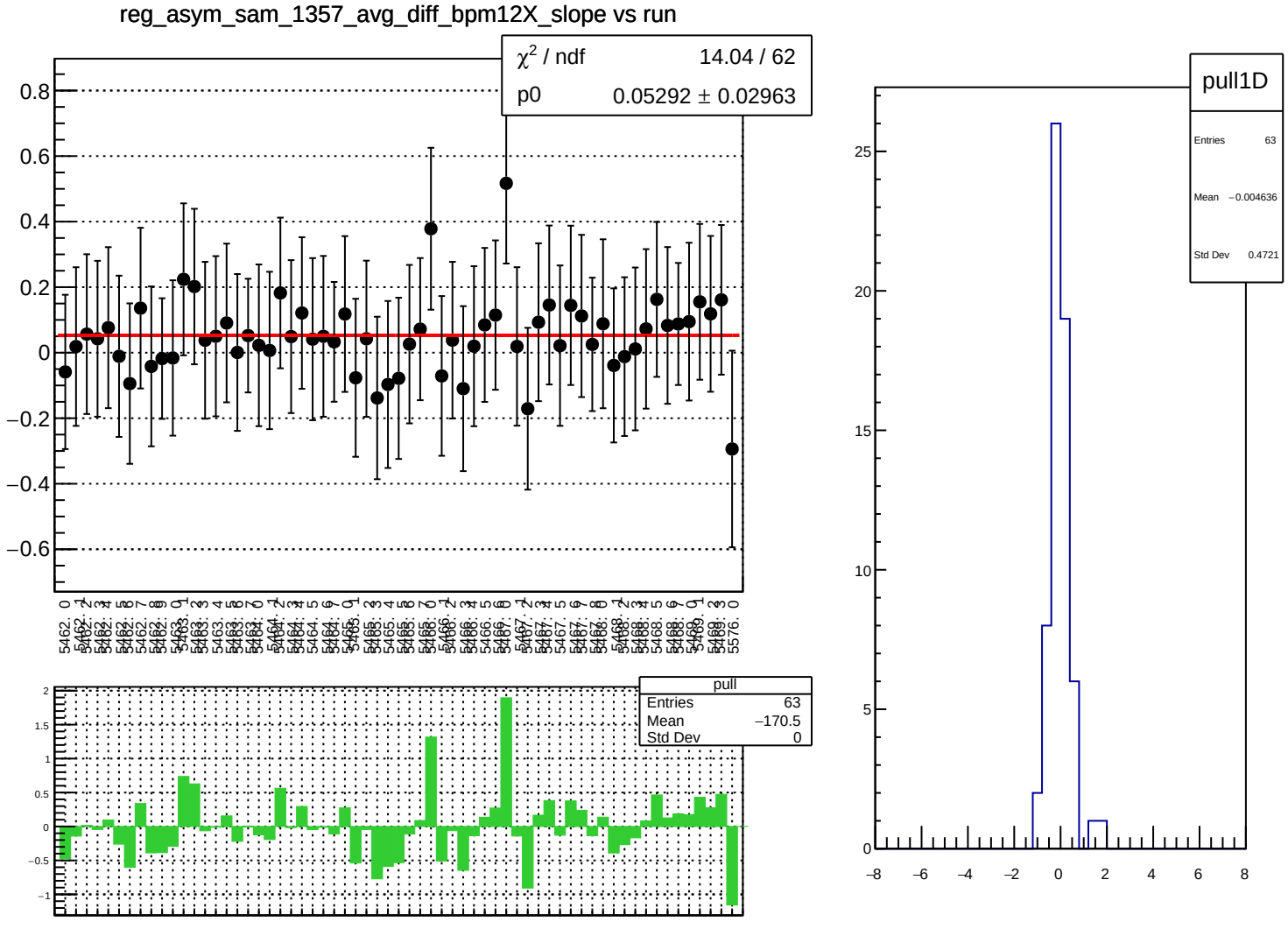

pull1D
Entries 63
Mean −0.002043
Std Dev 0.8588

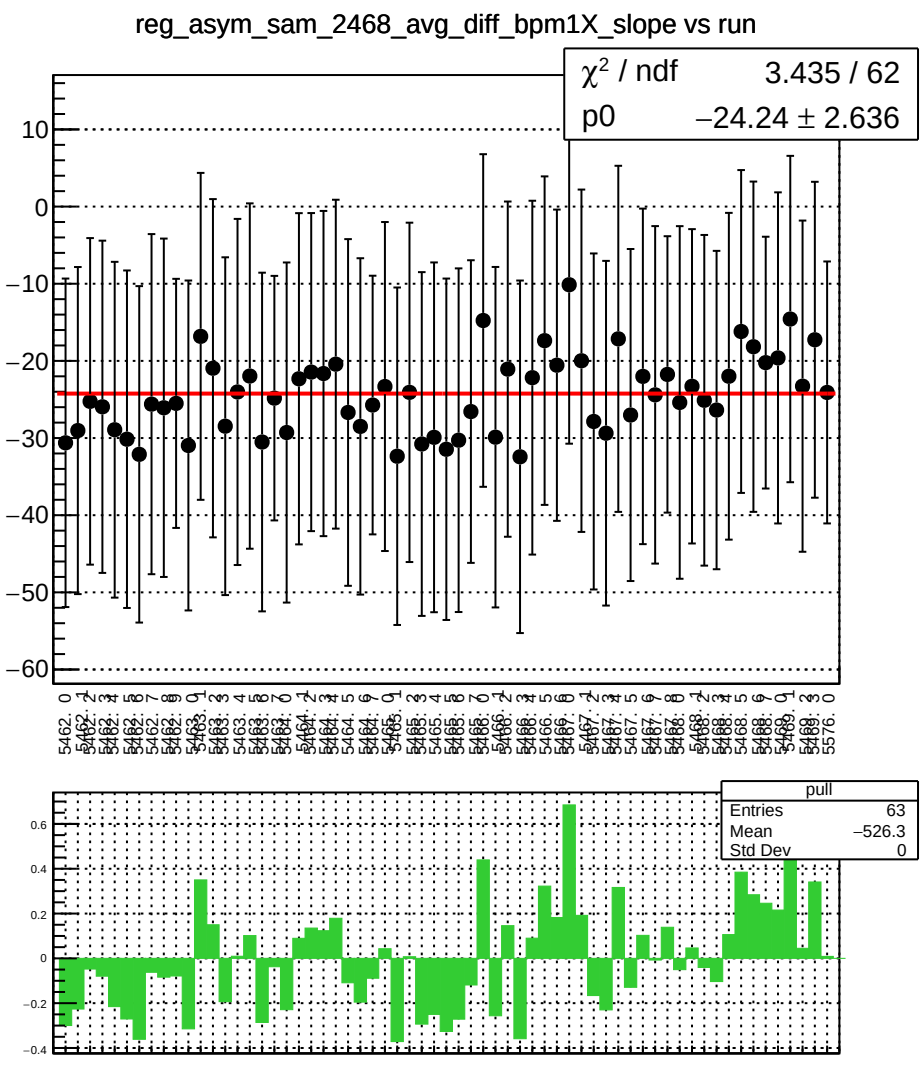

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.83 / 62
p0 −13.32 ± 0.9527
pull
Entries 63
Mean 20.92
Std Dev 0

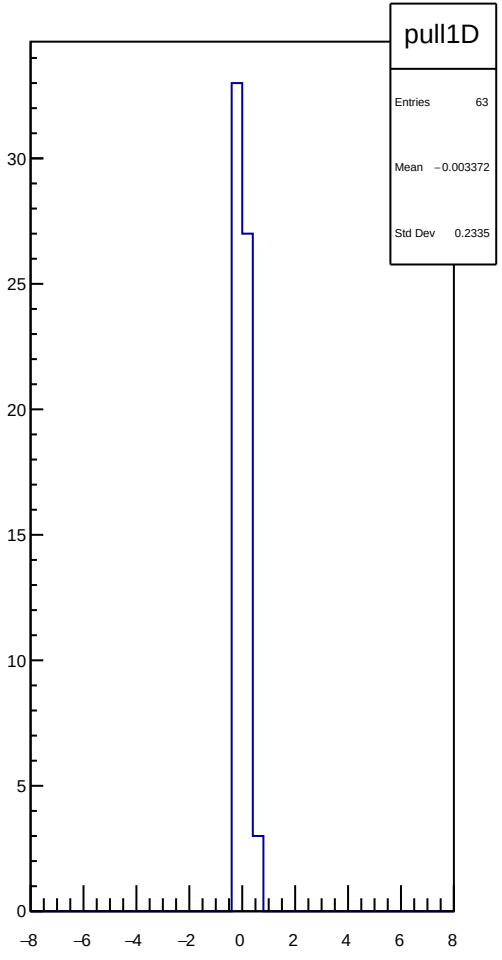

pull1D
Entries 63
Mean −0.1165
Std Dev 0.6664

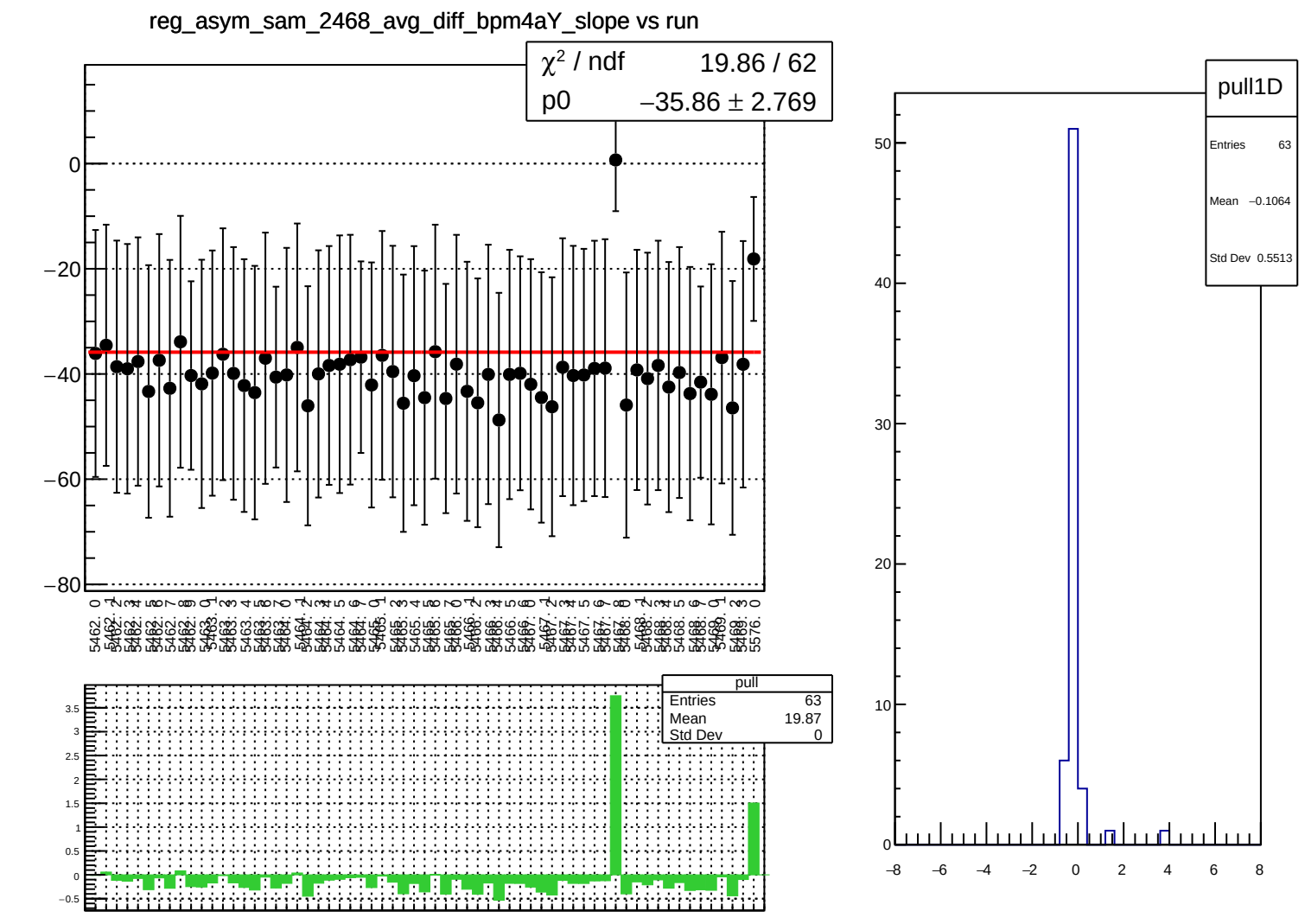

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.29 / 62
p0 −38.08 ± 0.7099
pull
Entries 63
Mean −1097
Std Dev 0
pull1D
Entries 63
Mean 0.001477
Std Dev 0.8478

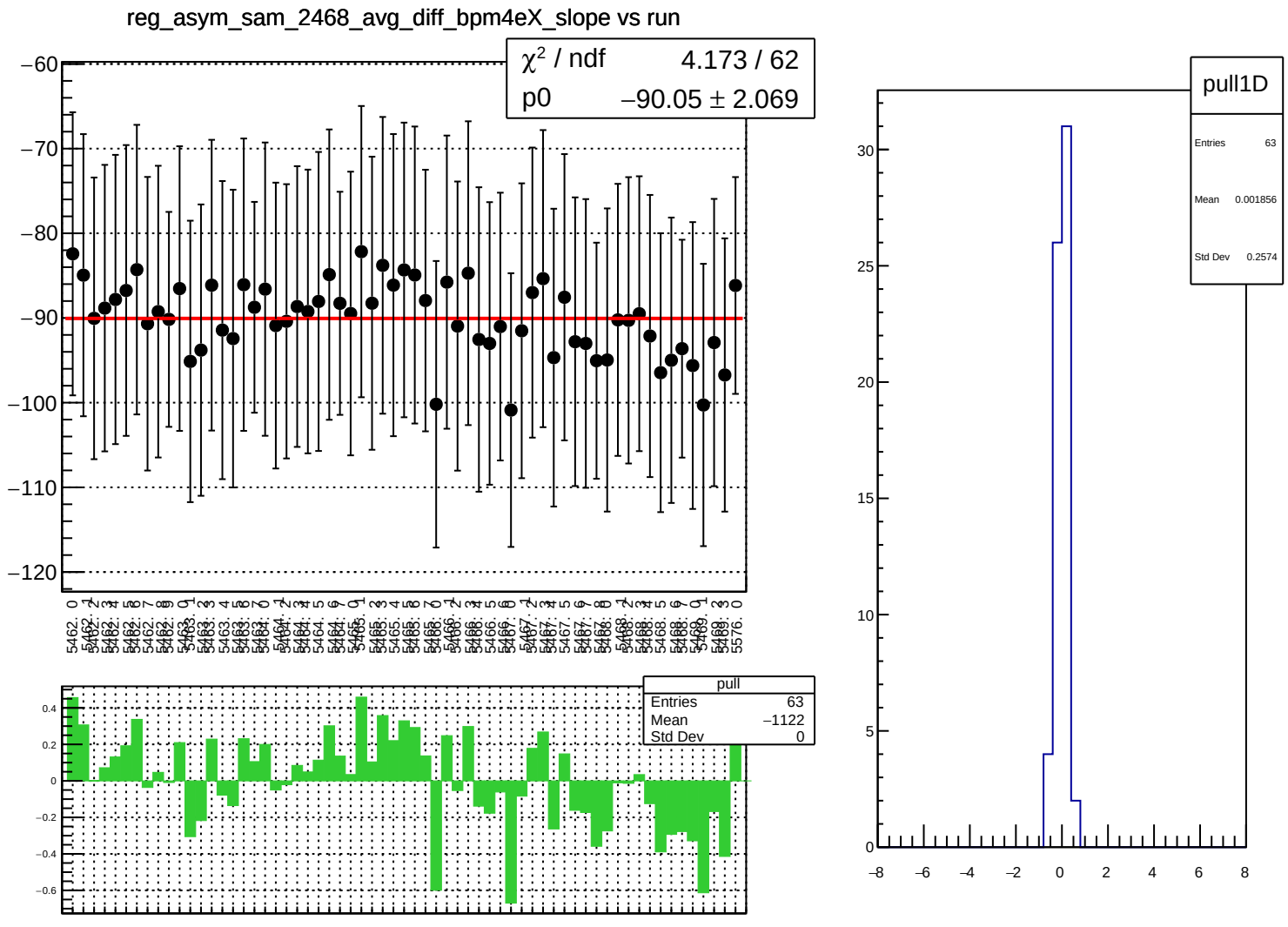

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.66 / 62
p0 13.28 ± 1.135
pull
Entries 63
Mean 23.15
Std Dev 0
pull1D
Entries 63
Mean 0.1027
Std Dev 0.6299

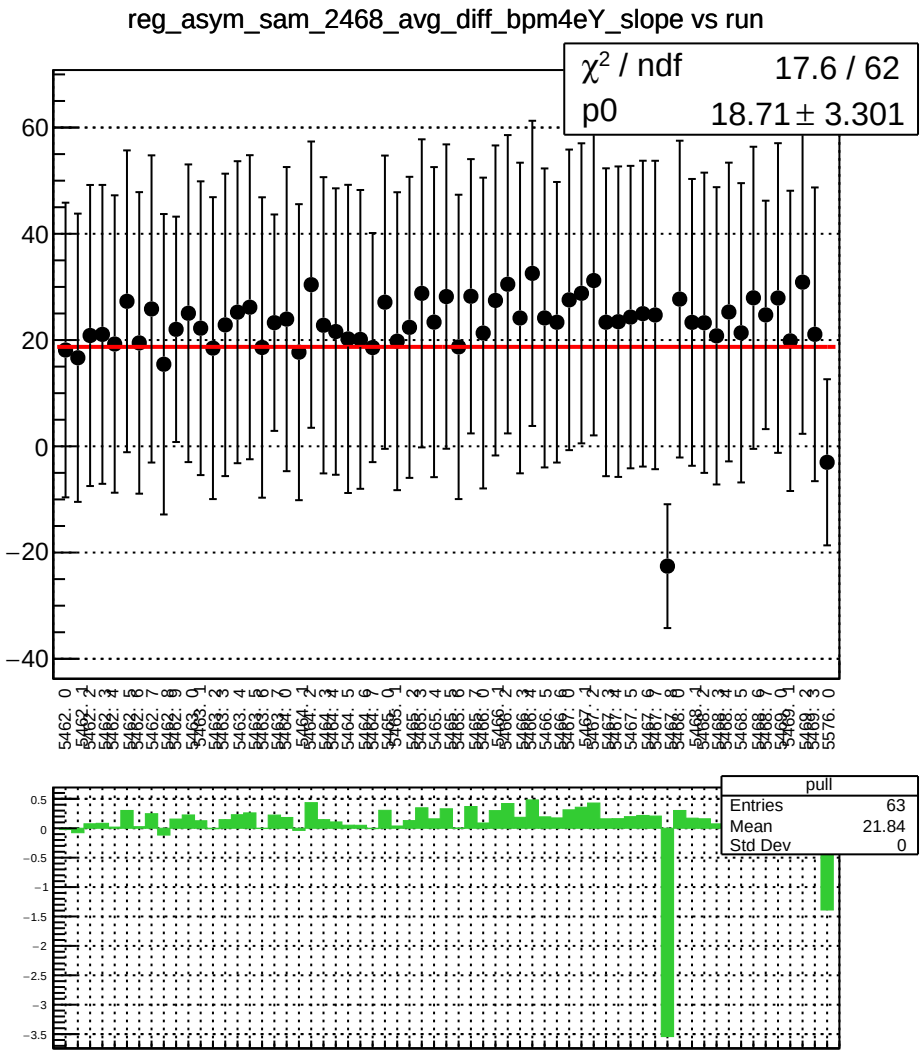

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 14.04 / 62
p0 0.05292 ± 0.02963
pull
Entries 63
Mean −170.5
Std Dev 0
pull1D
Entries 63
Mean −0.004636
Std Dev 0.4721

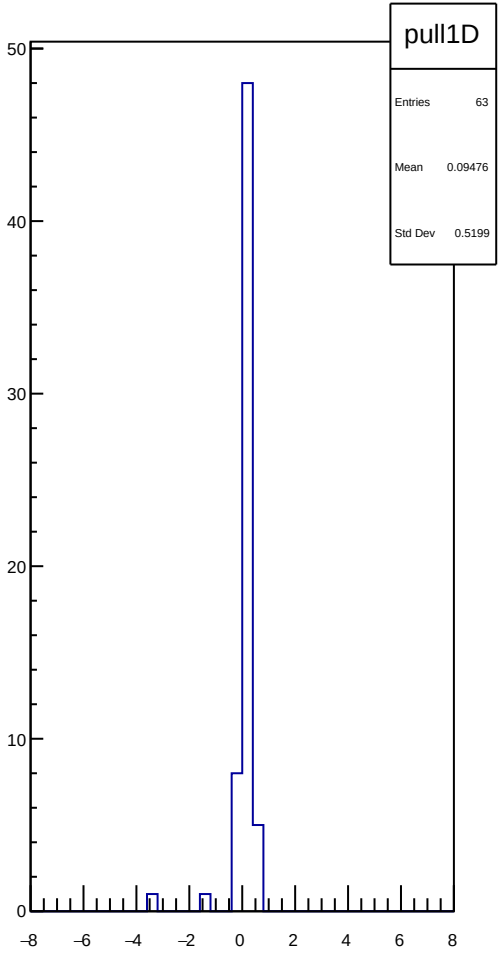

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.435 / 62
p0 −24.24 ± 2.636
pull
Entries 63
Mean −526.3
Std Dev 0

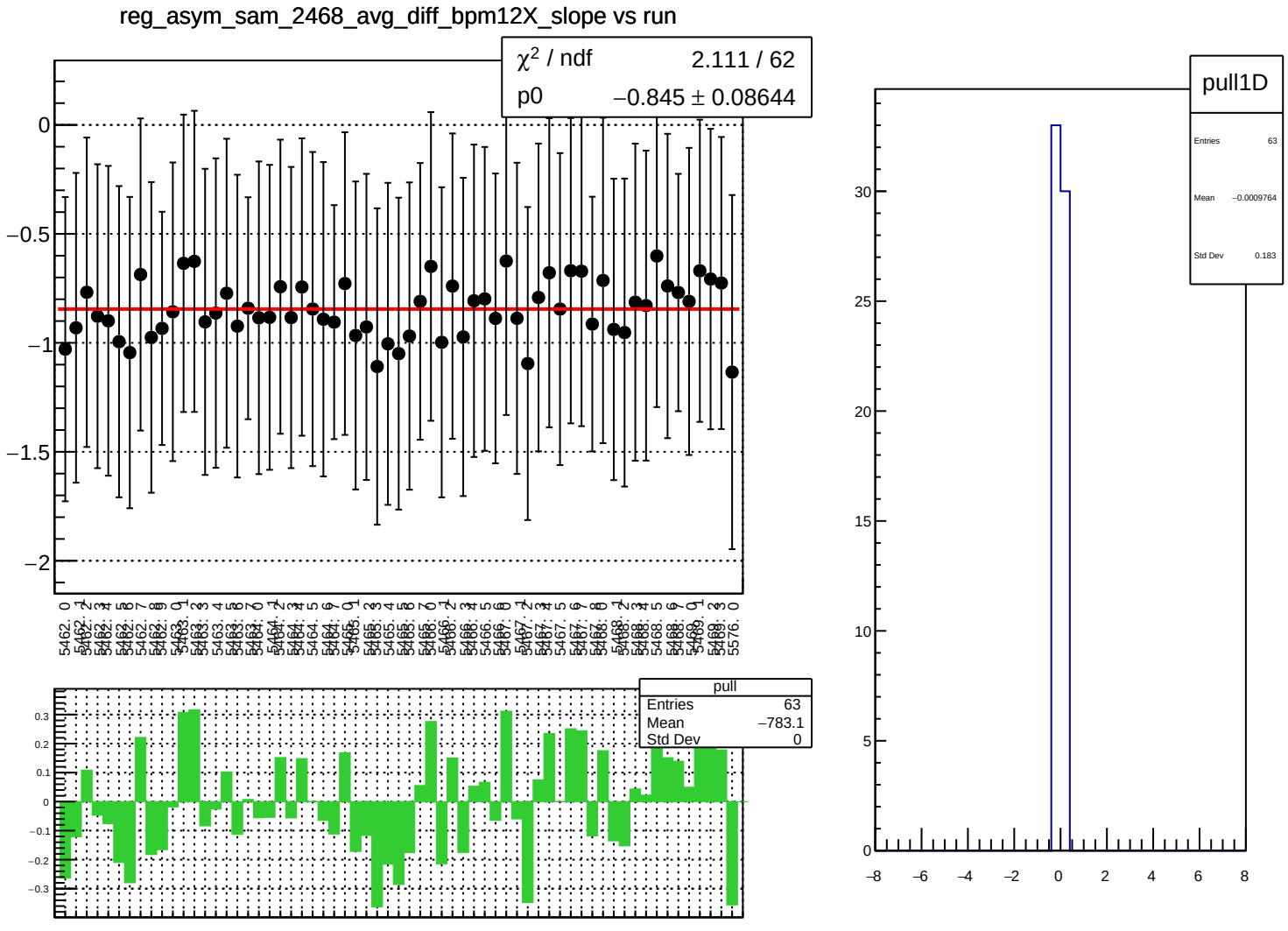

pull1D
Entries 63
Mean −0.003372
Std Dev 0.2335

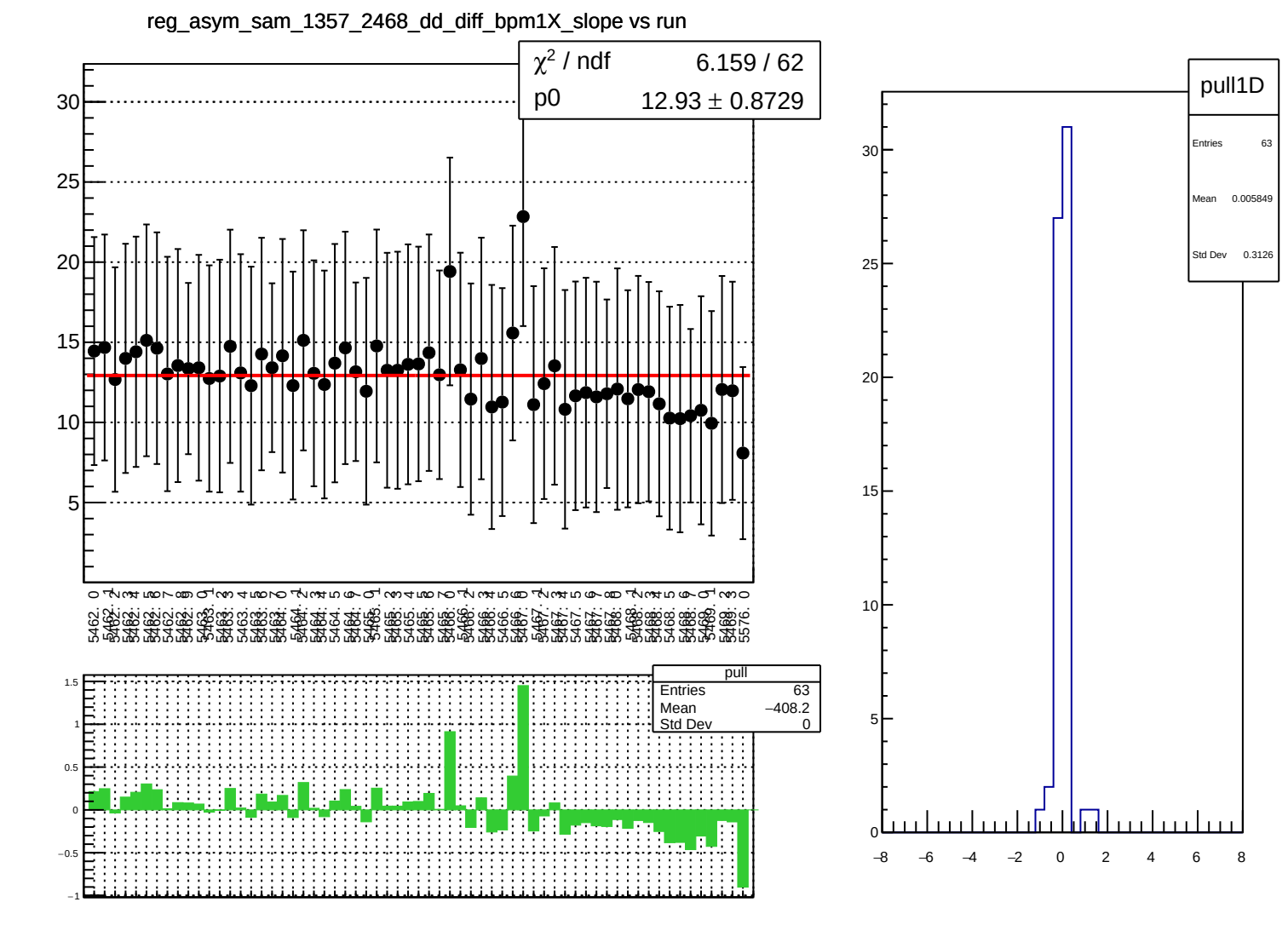

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.86 / 62
p0 −35.86 ± 2.769
pull
Entries 63
Mean 19.87
Std Dev 0
pull1D
Entries 63
Mean −0.1064
Std Dev 0.5513

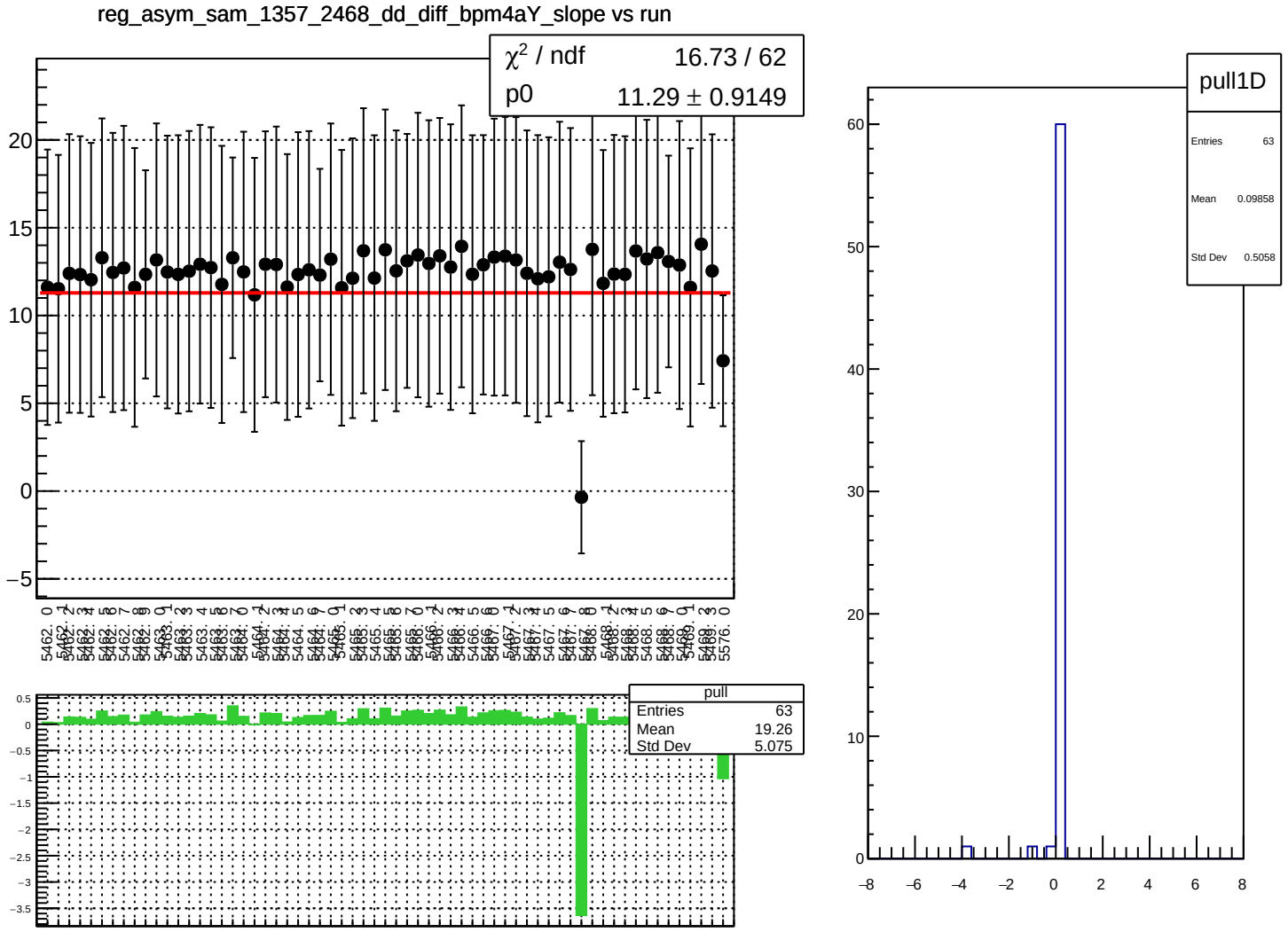

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.173 / 62
p0 −90.05 ± 2.069
pull
Entries 63
Mean −1122
Std Dev 0
pull1D
Entries 63
Mean 0.001856
Std Dev 0.2574

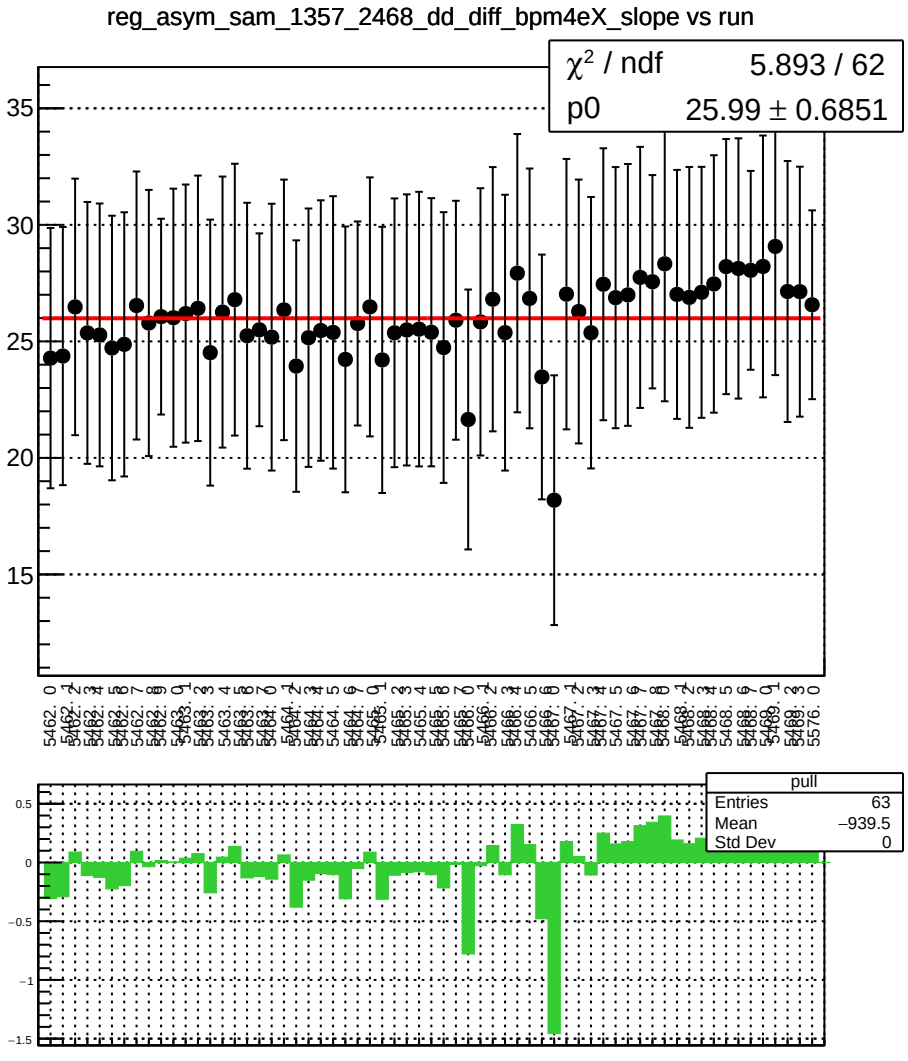

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.6 / 62
p0 18.71 ± 3.301
pull
Entries 63
Mean 21.84
Std Dev 0

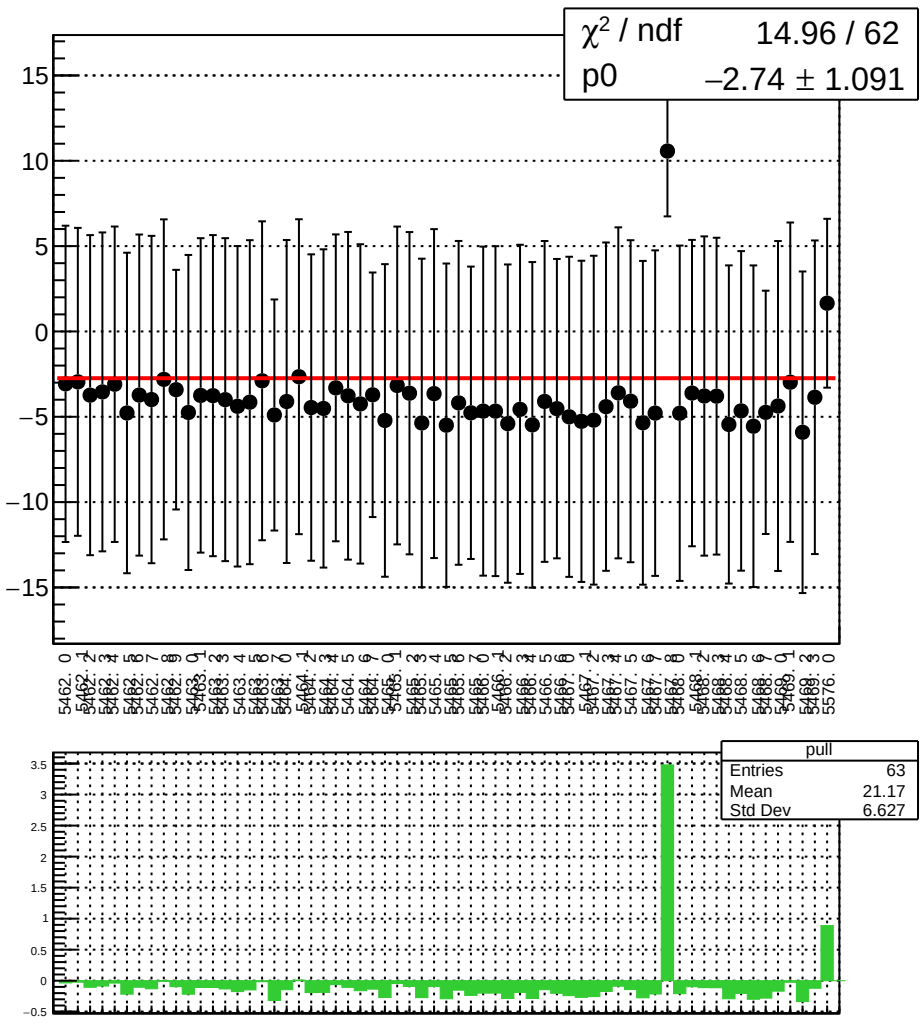

pull1D
Entries 63
Mean 0.09476
Std Dev 0.5199

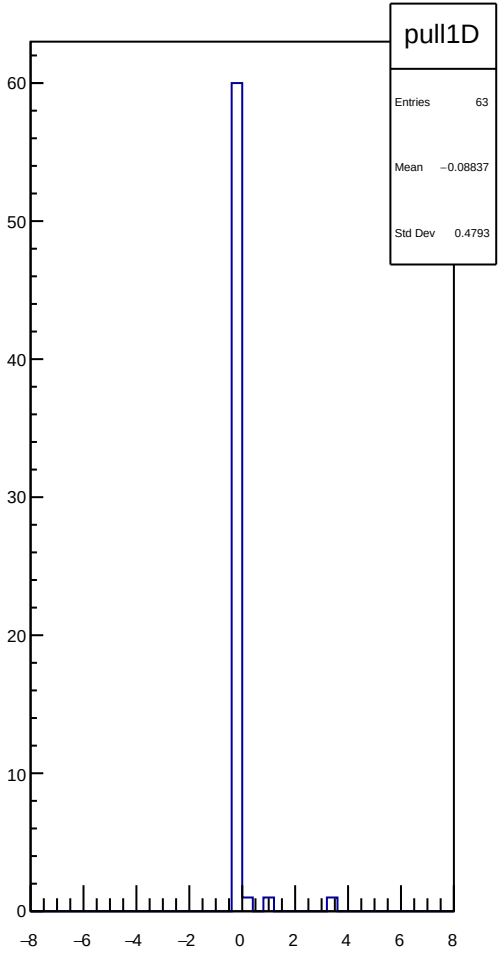

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.111 / 62
p0 −0.845 ± 0.08644
pull
Entries 63
Mean −783.1
Std Dev 0
pull1D
Entries 63
Mean −0.0009764
Std Dev 0.183

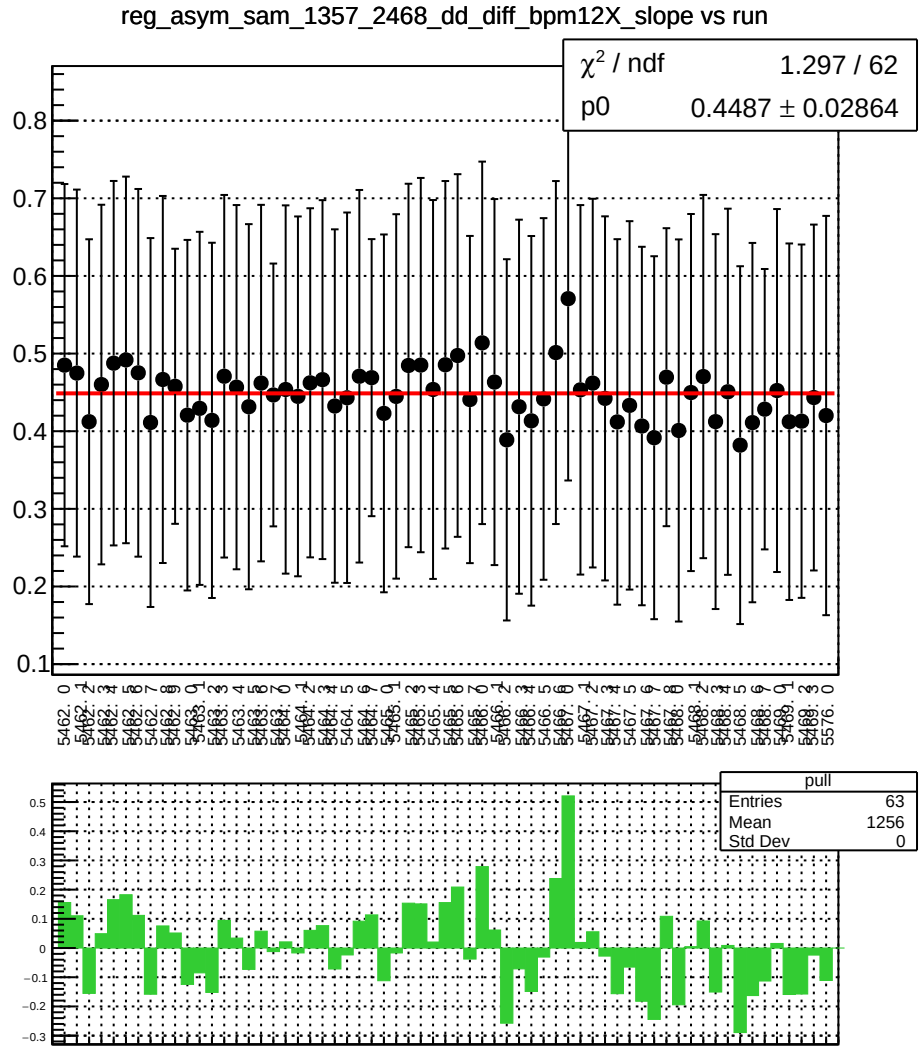

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 6.159 / 62
p0 12.93 ± 0.8729
pull
Entries 63
Mean −408.2
Std Dev 0
pull1D
Entries 63
Mean 0.005849
Std Dev 0.3126

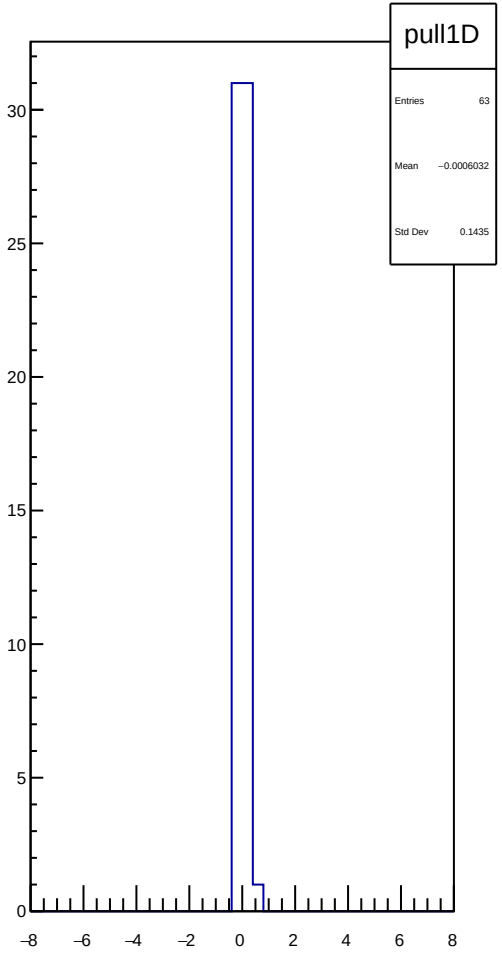

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.73 / 62
p0 11.29 ± 0.9149
pull
Entries 63
Mean 19.26
Std Dev 5.075
pull1D
Entries 63
Mean 0.09858
Std Dev 0.5058

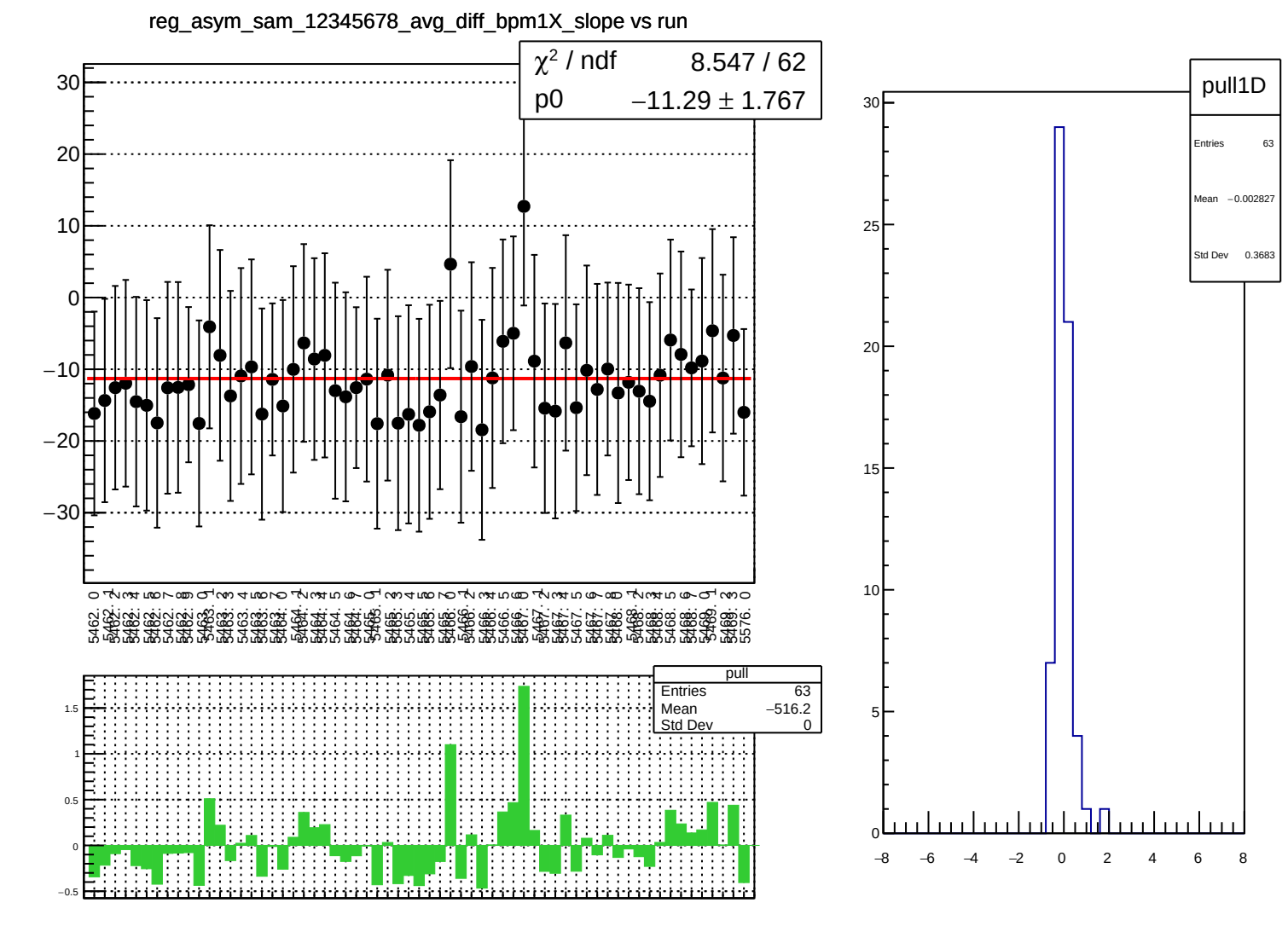

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.893 / 62
p0 25.99 ± 0.6851
pull
Entries 63
Mean −939.5
Std Dev 0
pull1D
Entries 63
Mean −0.002457
Std Dev 0.3058

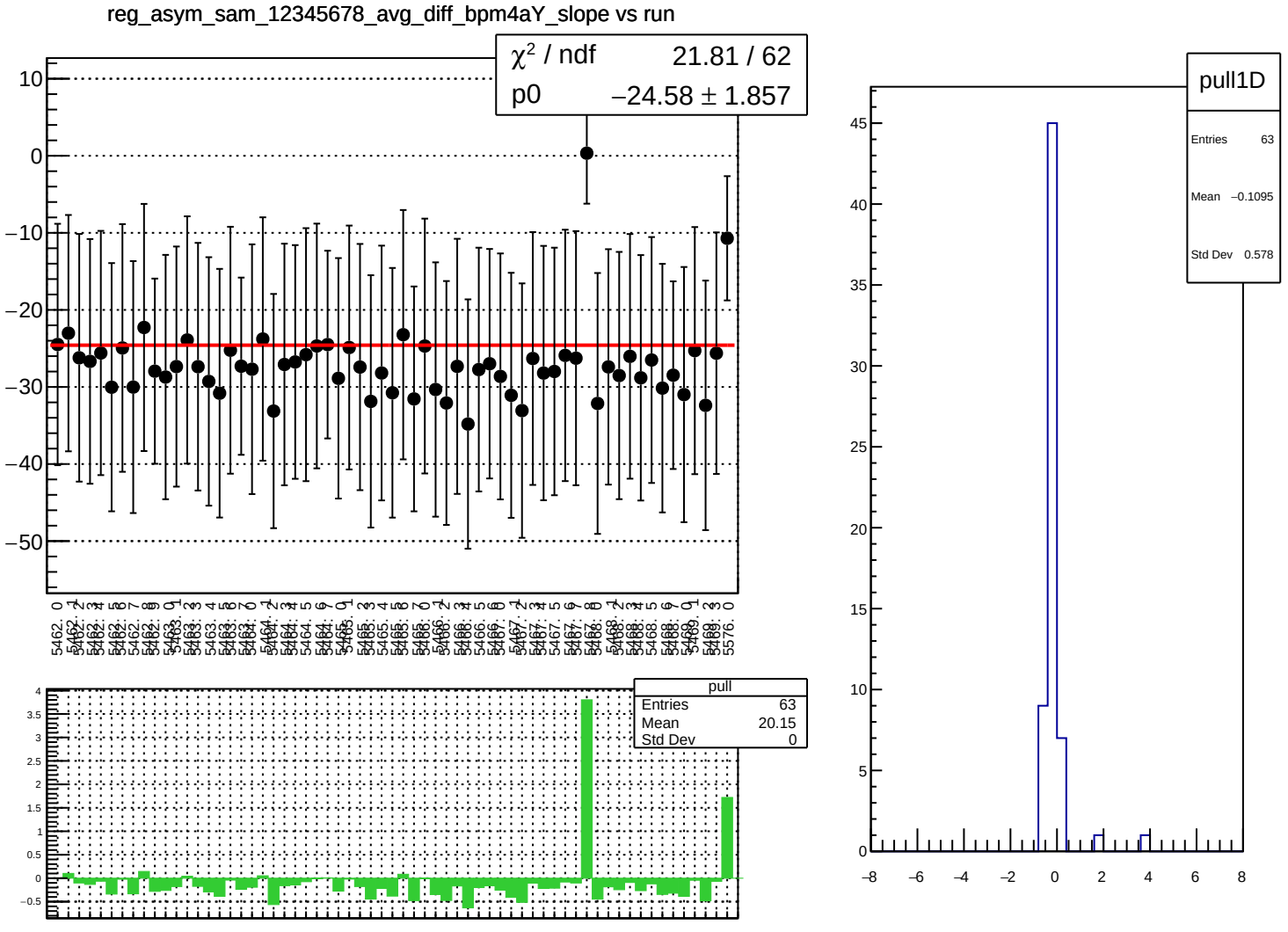

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.96 / 62
p0 −2.74 ± 1.091
pull
Entries 63
Mean 21.17
Std Dev 6.627

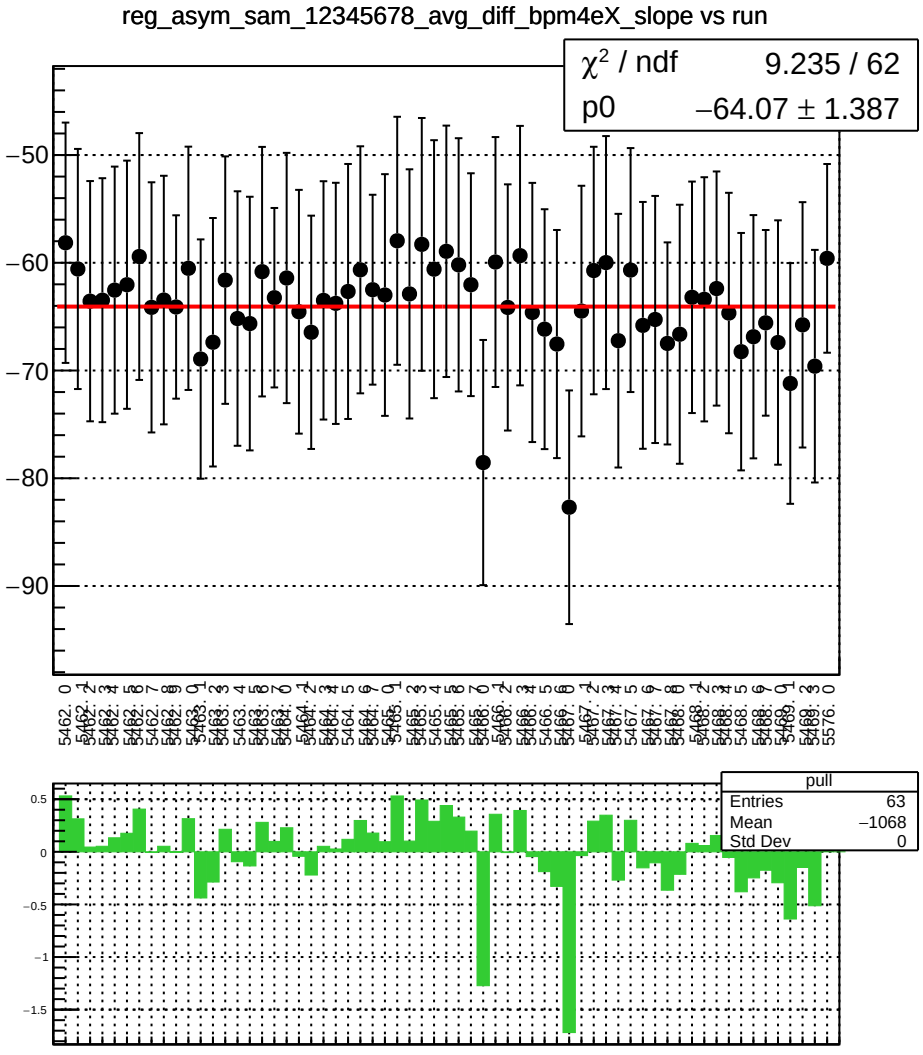

pull1D
Entries 63
Mean −0.08837
Std Dev 0.4793

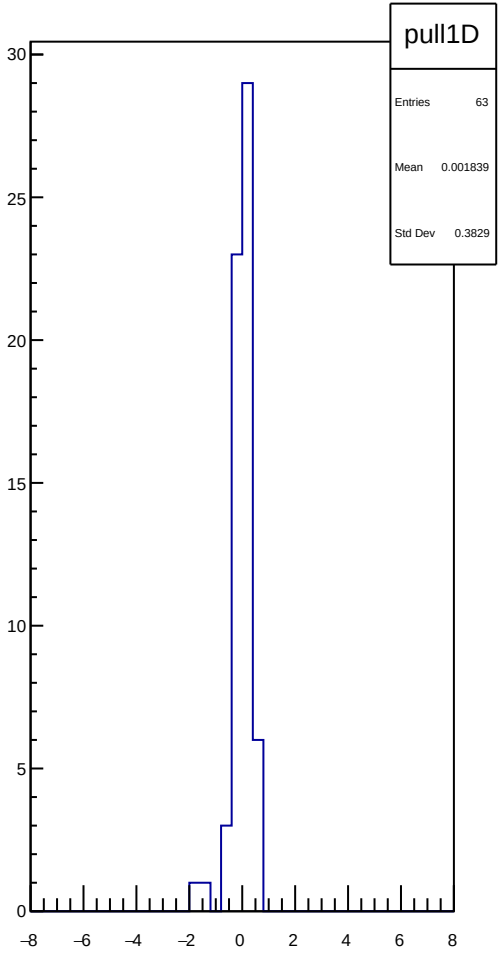

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.297 / 62
p0 0.4487 ± 0.02864
pull
Entries 63
Mean 1256
Std Dev 0

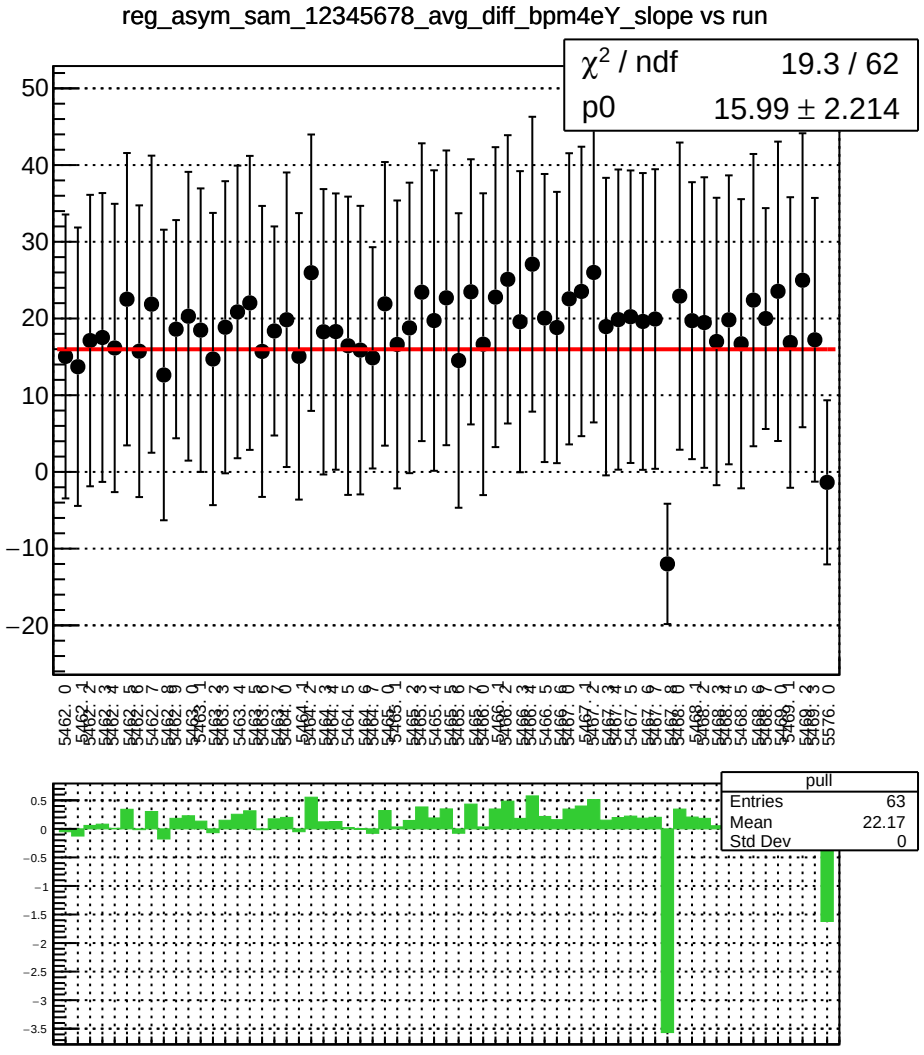

pull1D
Entries 63
Mean −0.0006032
Std Dev 0.1435

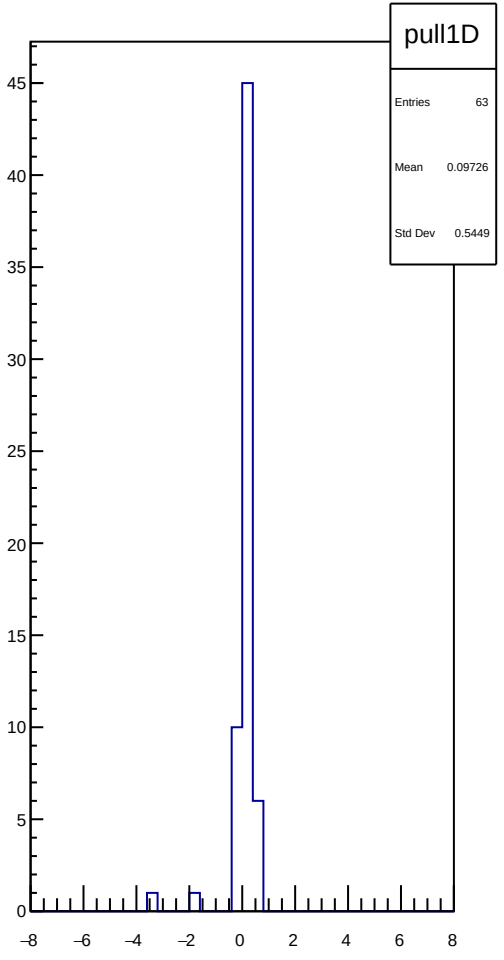

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 8.547 / 62
p0 −11.29 ± 1.767
pull
Entries 63
Mean −516.2
Std Dev 0
pull1D
Entries 63
Mean −0.002827
Std Dev 0.3683

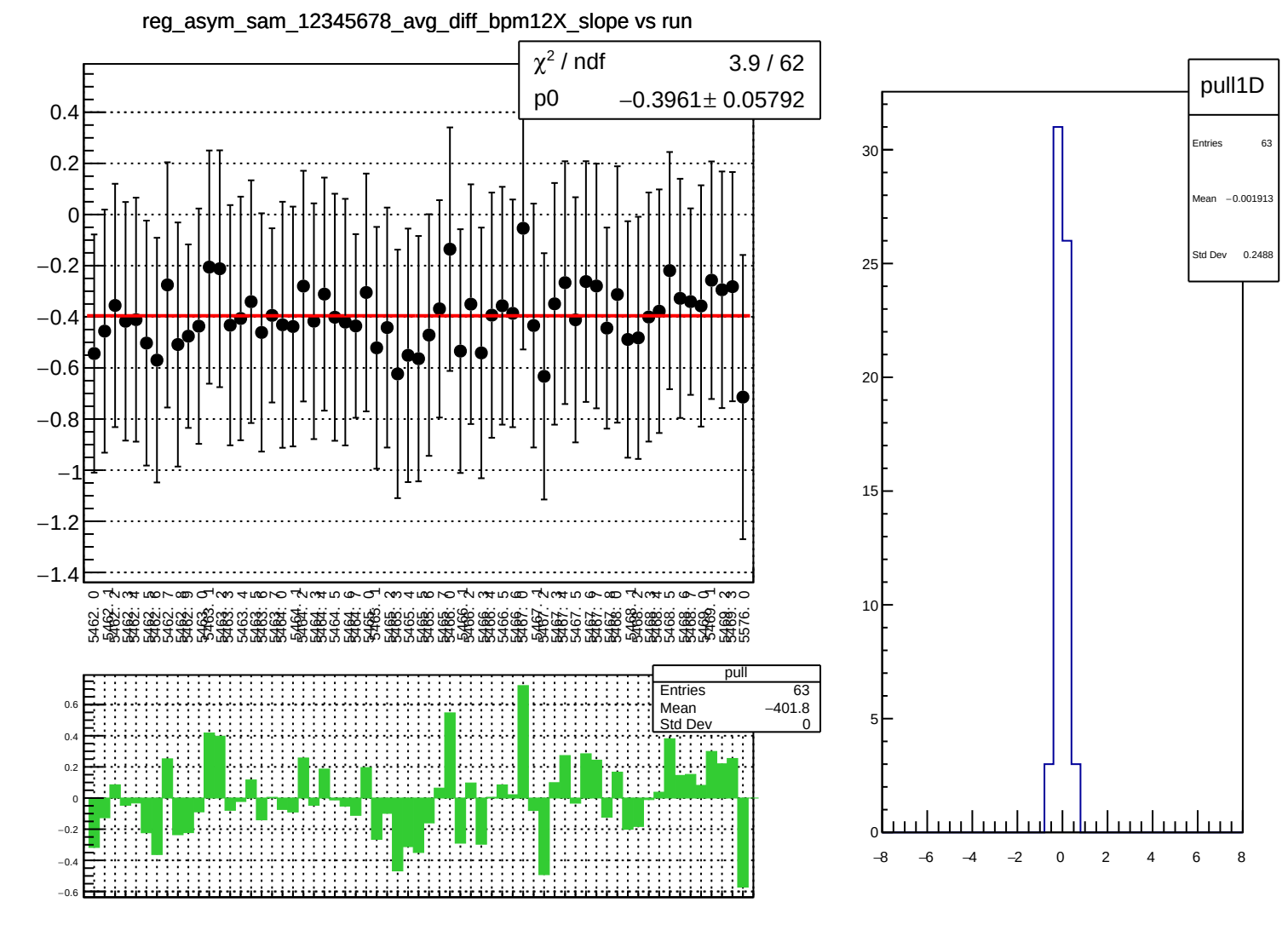

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.81 / 62
p0 −24.58 ± 1.857
pull
Entries 63
Mean 20.15
Std Dev 0
pull1D
Entries 63
Mean −0.1095
Std Dev 0.578

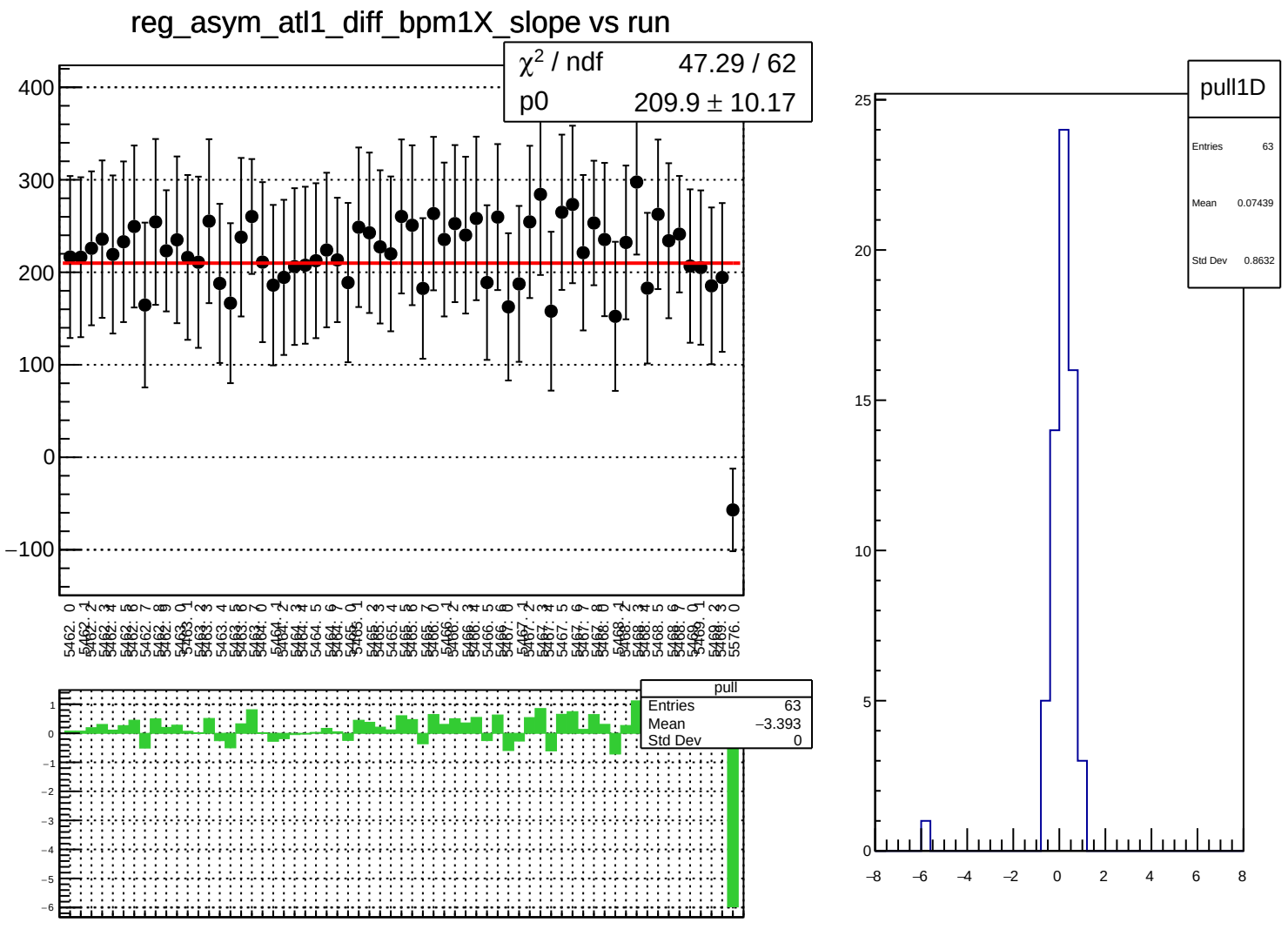

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.235 / 62
p0 −64.07 ± 1.387
pull
Entries 63
Mean −1068
Std Dev 0

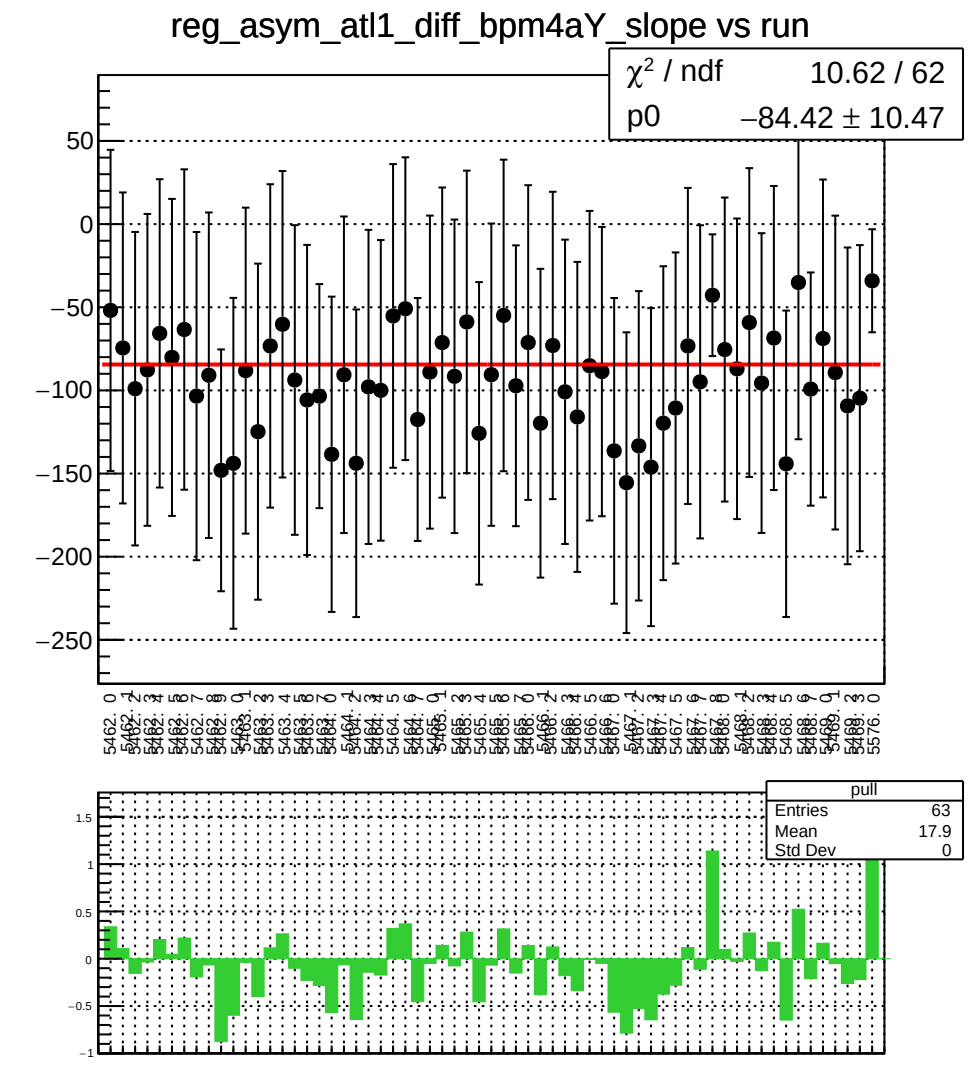

pull1D
Entries 63
Mean 0.001839
Std Dev 0.3829

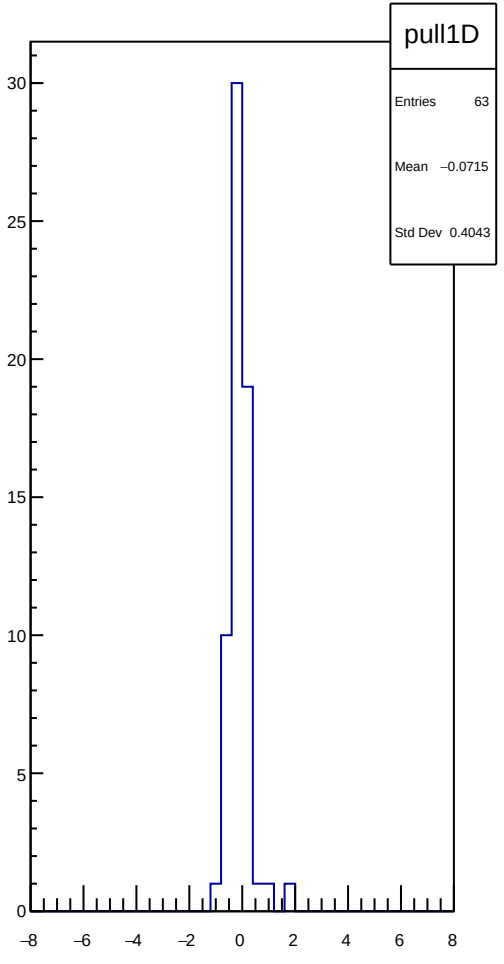

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.3 / 62
p0 15.99 ± 2.214
pull
Entries 63
Mean 22.17
Std Dev 0

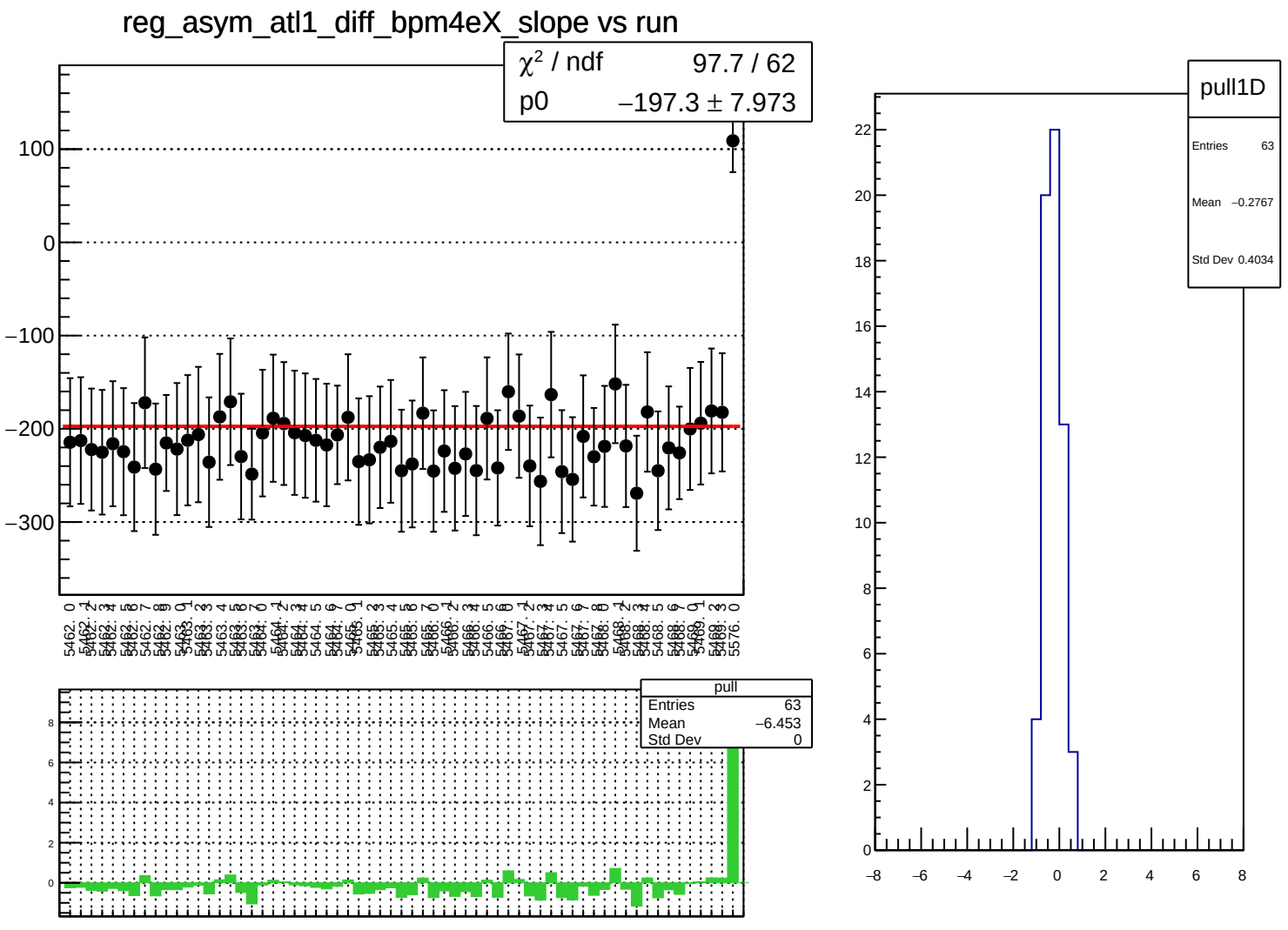

pull1D
Entries 63
Mean 0.09726
Std Dev 0.5449

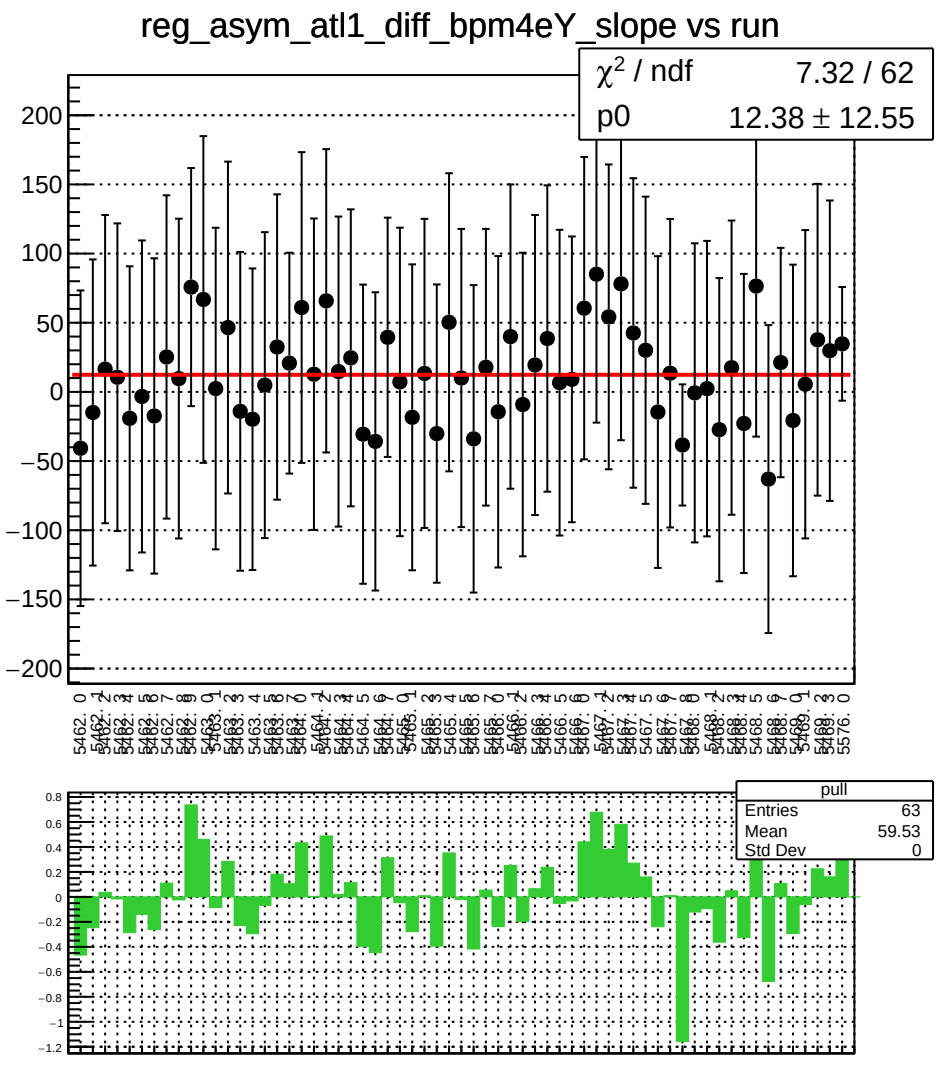

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.9 / 62
p0 −0.3961± 0.05792
pull
Entries 63
Mean −401.8
Std Dev 0
pull1D
Entries 63
Mean −0.001913
Std Dev 0.2488

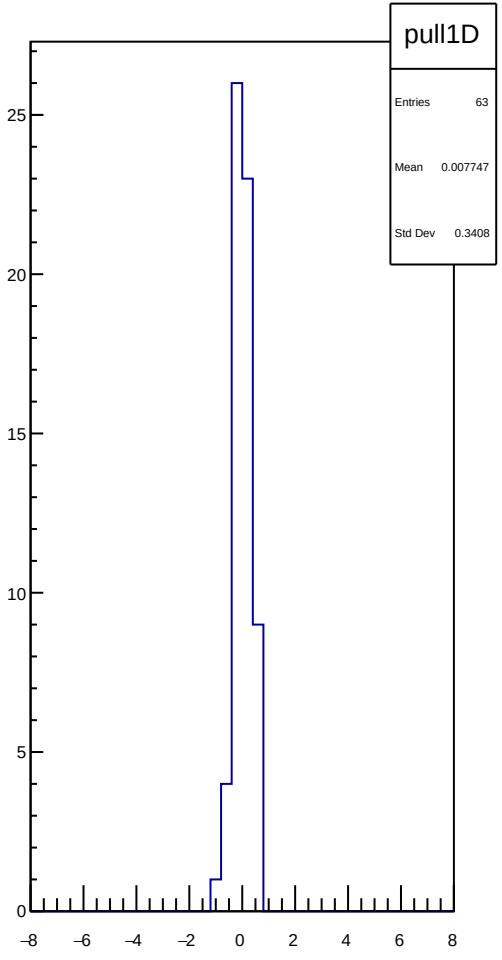

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 47.29 / 62
p0 209.9 ± 10.17
400
300
200
100
0
−100
pull
Entries 63
Mean −3.393
Std Dev 0
pull1D
Entries 63
Mean 0.07439
Std Dev 0.8632
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

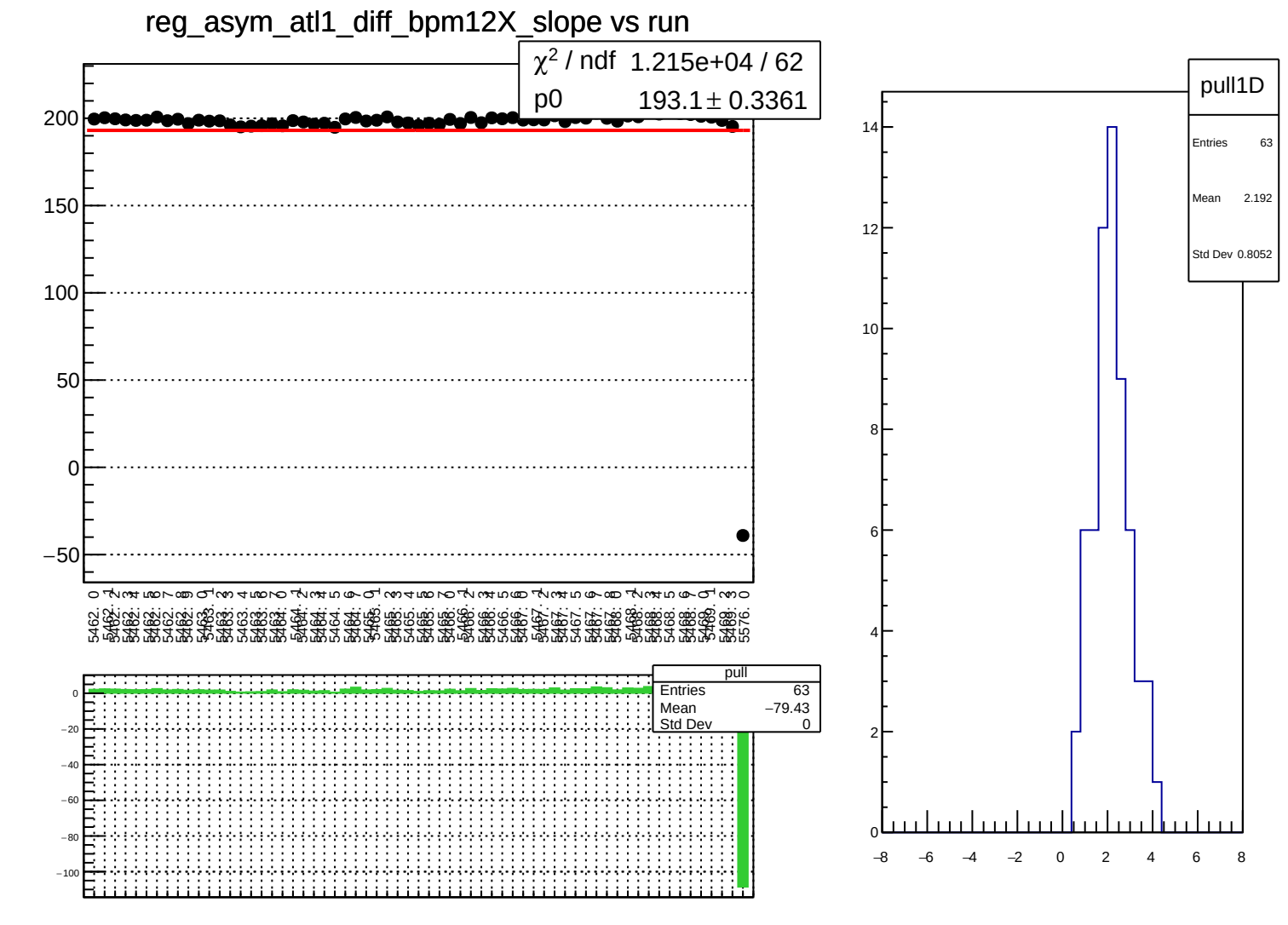

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 10.62 / 62
p0 −84.42 ± 10.47
pull
Entries 63
Mean 17.9
Std Dev 0

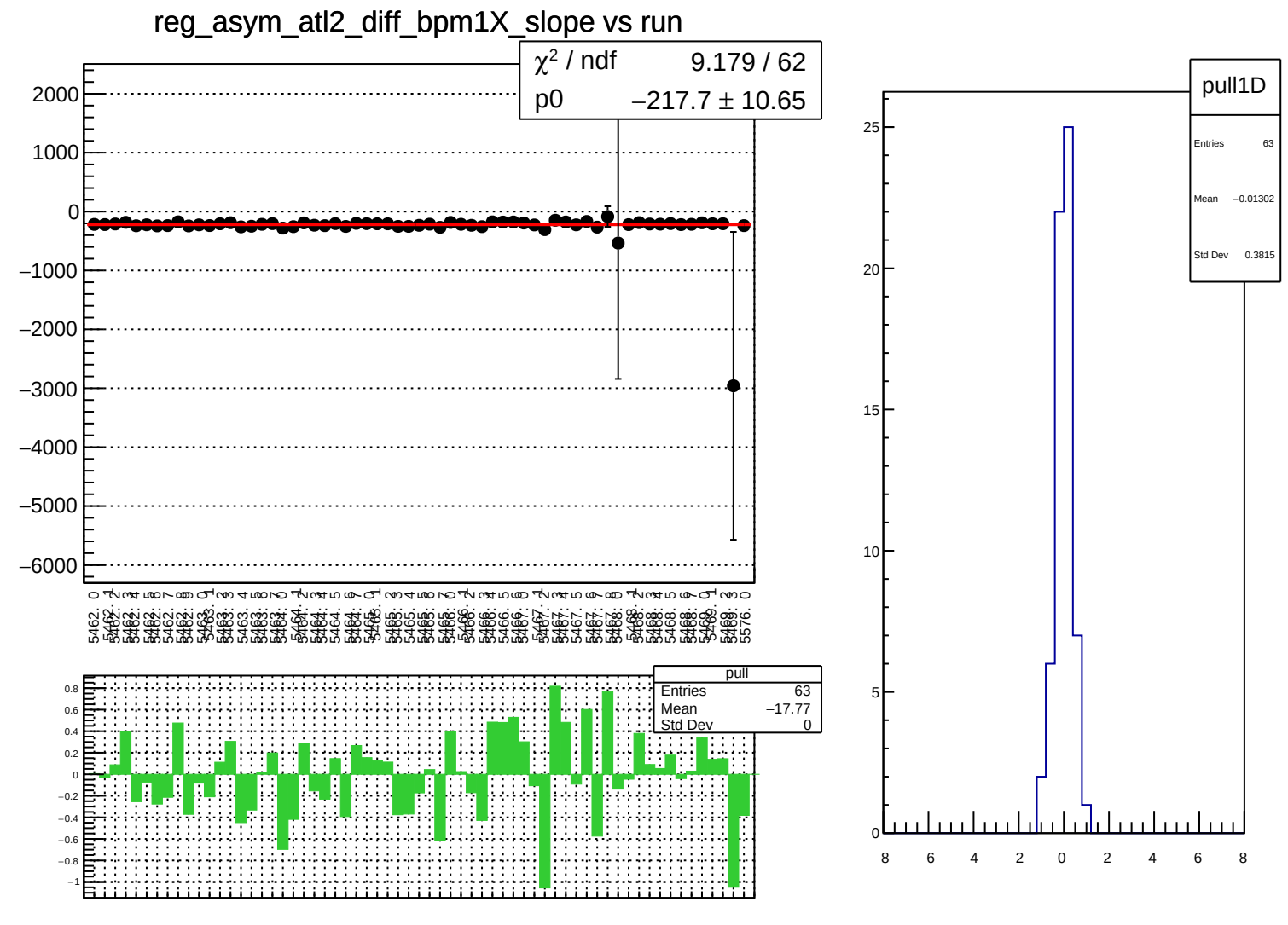

pull1D
Entries 63
Mean −0.0715
Std Dev 0.4043

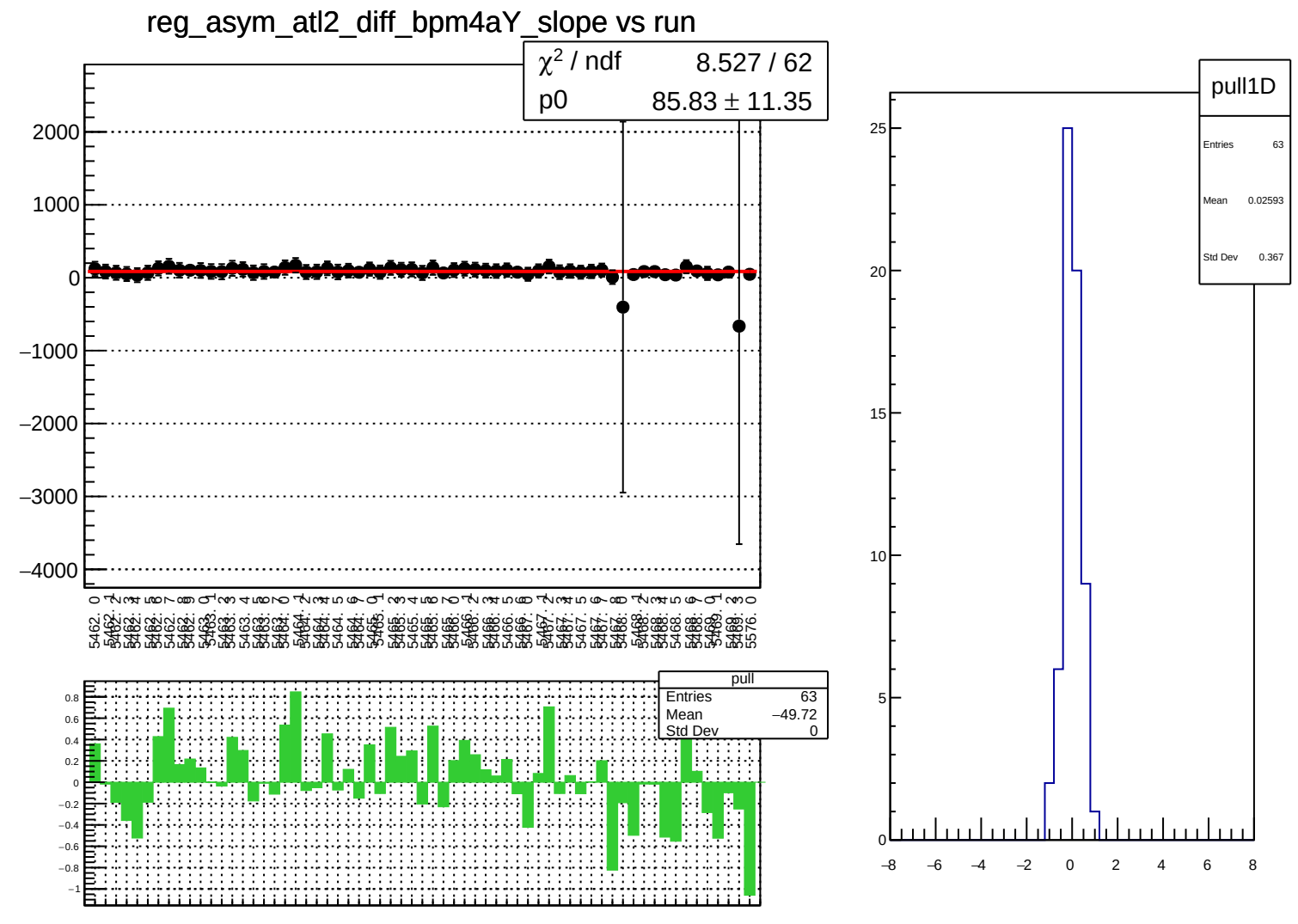

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 97.7 / 62
p0 −197.3 ± 7.973
100
0
−100
−200
−300
pull
Entries 63
Mean −6.453
Std Dev 0
pull1D
Entries 63
Mean −0.2767
Std Dev 0.4034

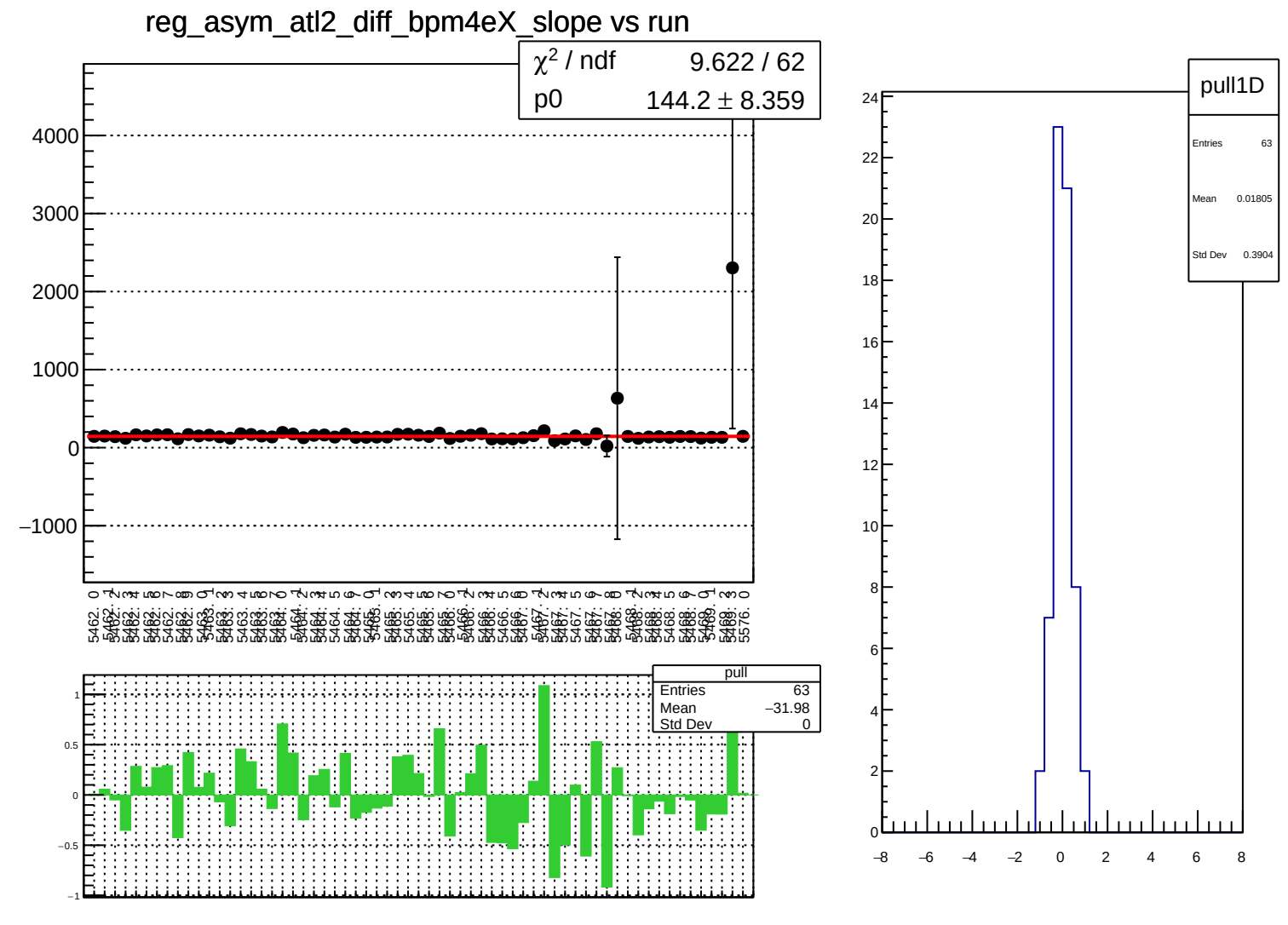

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 7.32 / 62
p0 12.38 ± 12.55
pull
Entries 63
Mean 59.53
Std Dev 0

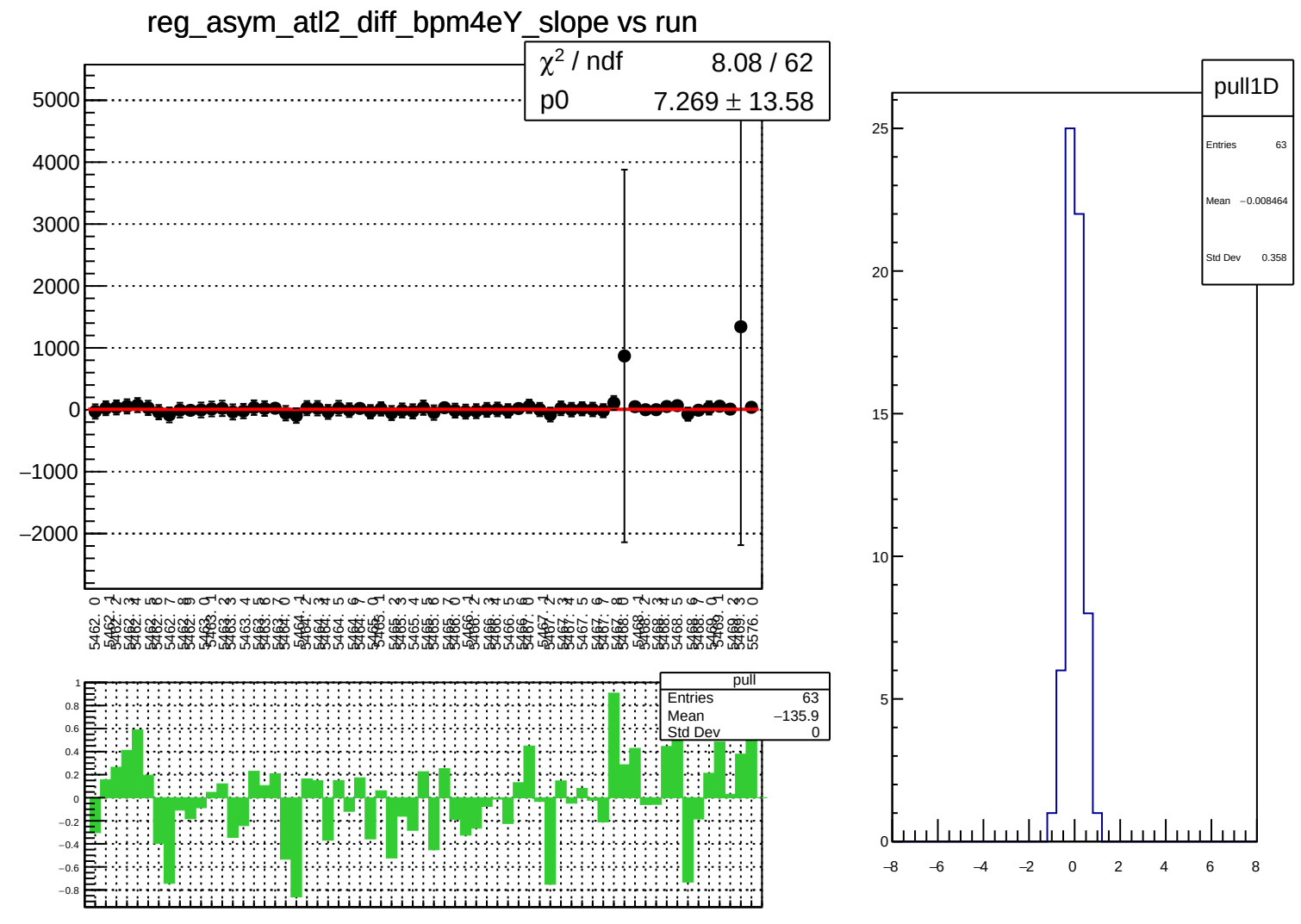

pull1D
Entries 63
Mean 0.007747
Std Dev 0.3408

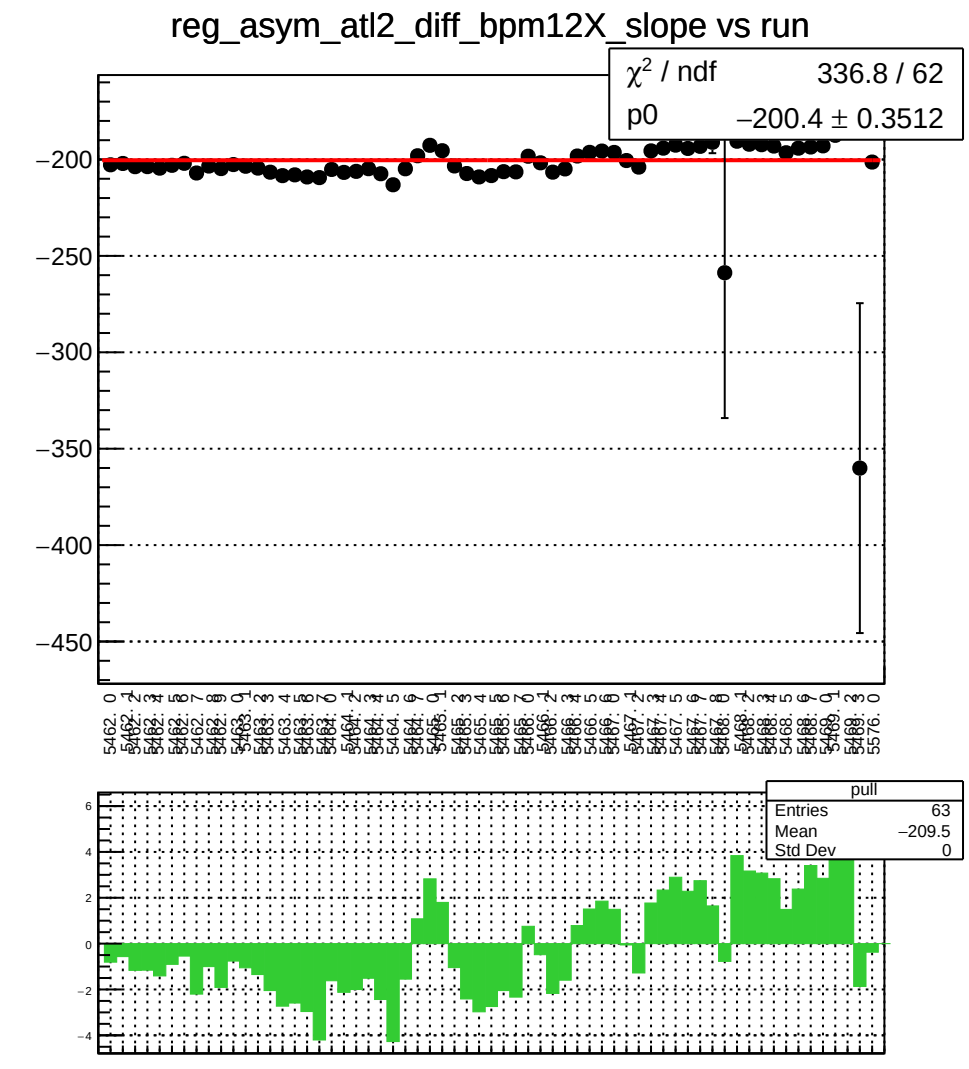

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1.215e+04 / 62
p0 193.1 ± 0.3361
200
150
100
50
0
−50
pull
Entries 63
Mean −79.43
Std Dev 0
0
−20
−40
−60
−80
−100
pull1D
Entries 63
Mean 2.192
Std Dev 0.8052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

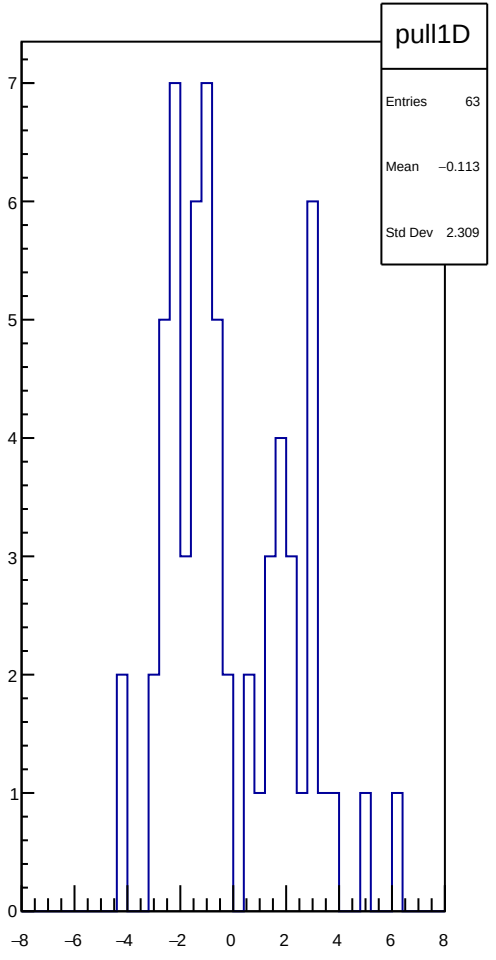

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 9.179 / 62
p0 −217.7 ± 10.65
pull
Entries 63
Mean −17.77
Std Dev 0
pull1D
Entries 63
Mean −0.01302
Std Dev 0.3815

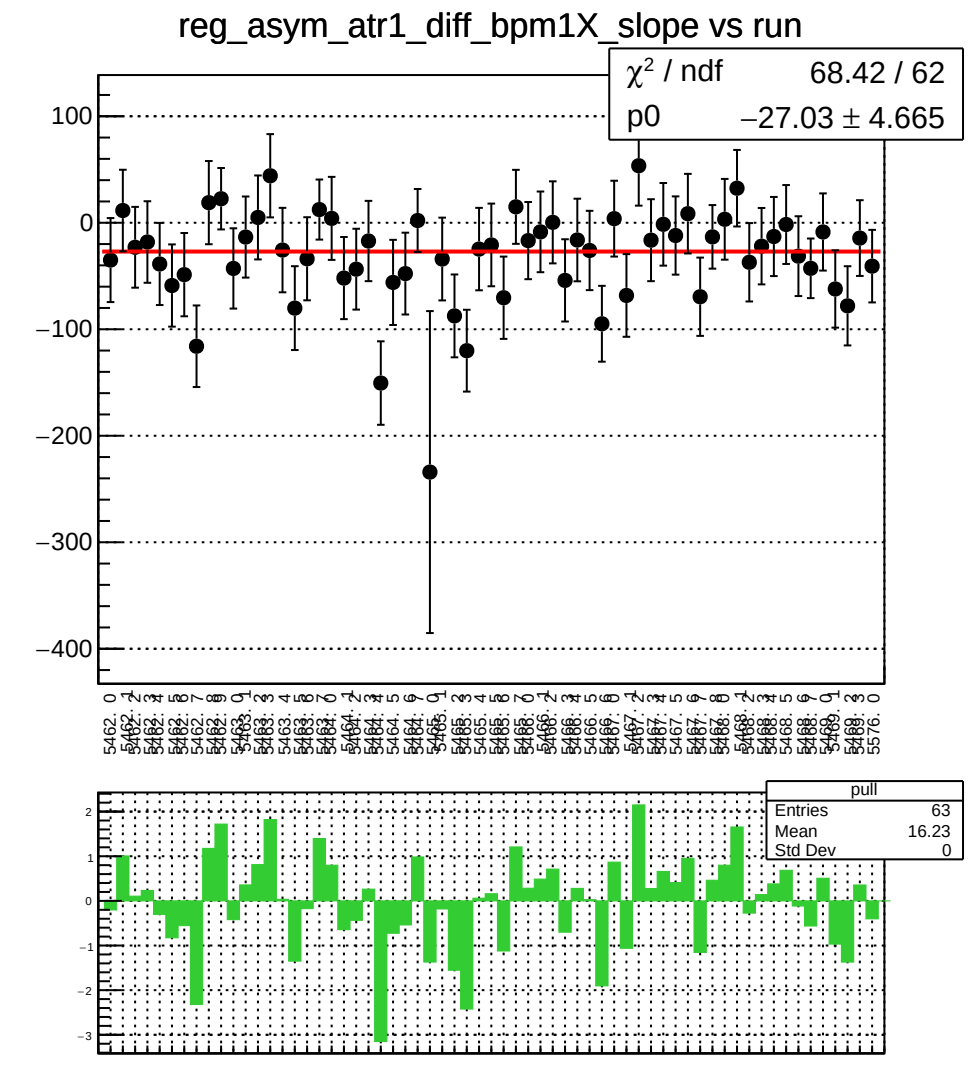

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.527 / 62
p0 85.83 ± 11.35
pull
Entries 63
Mean −49.72
Std Dev 0
pull1D
Entries 63
Mean 0.02593
Std Dev 0.367

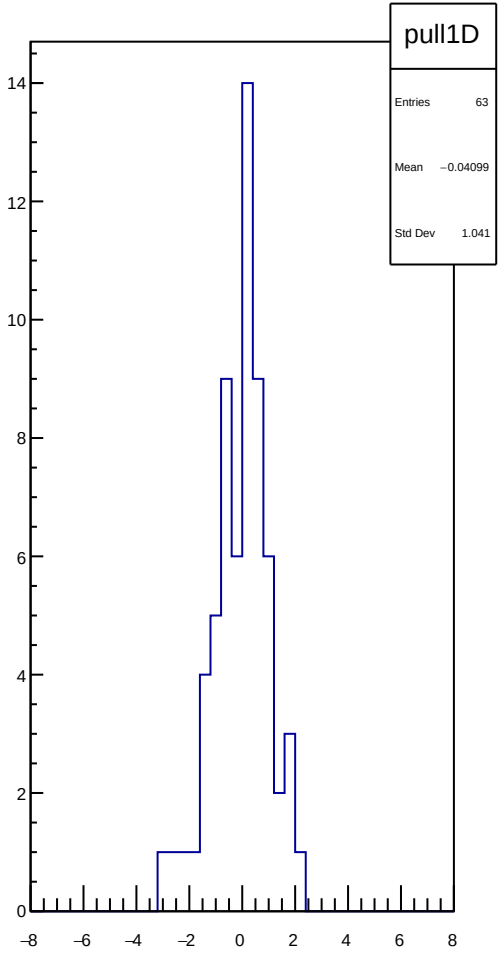

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 9.622 / 62
p0 144.2 ± 8.359
pull
Entries 63
Mean −31.98
Std Dev 0
pull1D
Entries 63
Mean 0.01805
Std Dev 0.3904

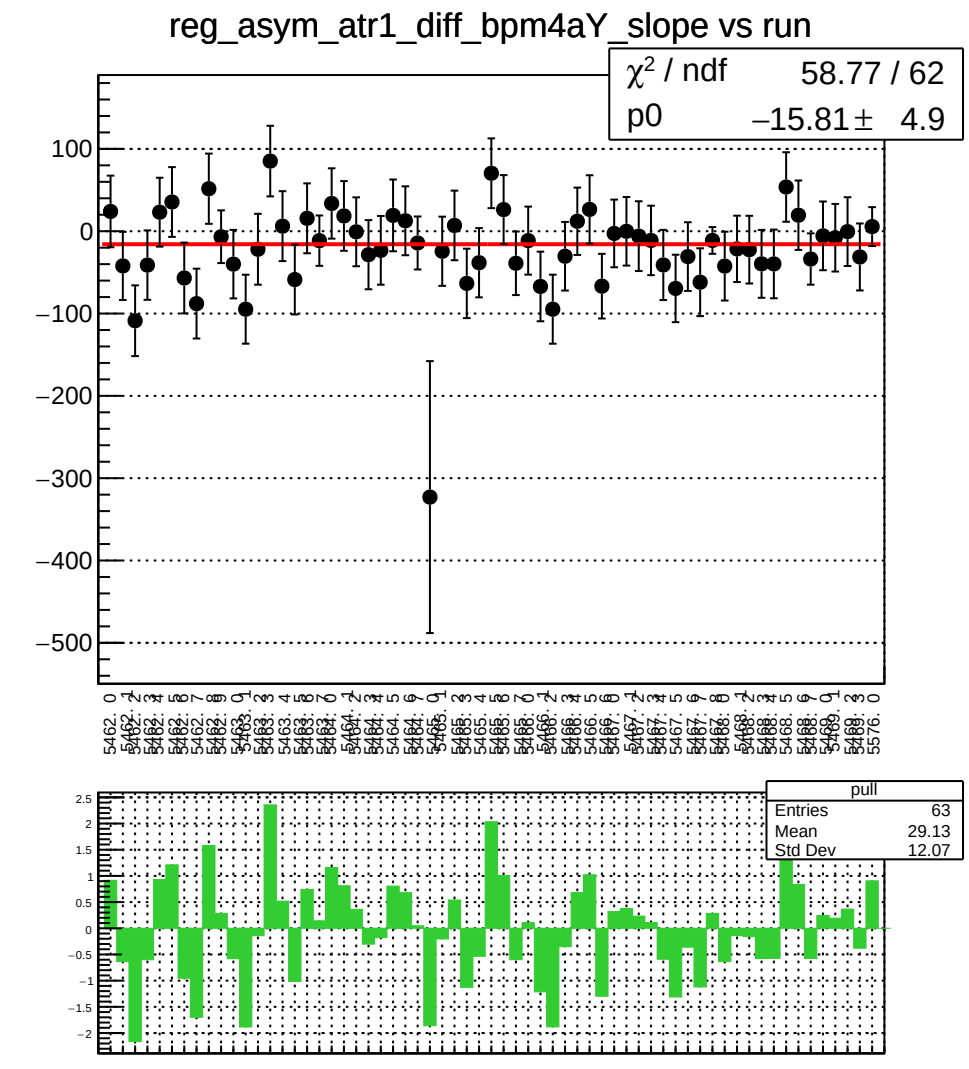

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 8.08 / 62
p0 7.269 ± 13.58
pull
Entries 63
Mean −135.9
Std Dev 0
pull1D
Entries 63
Mean −0.008464
Std Dev 0.358

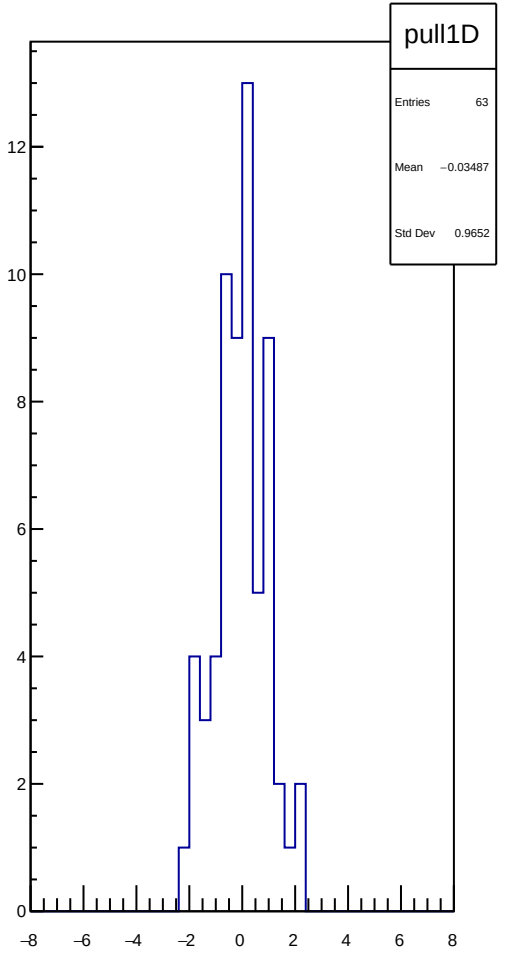

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 336.8 / 62
p0 −200.4 ± 0.3512
pull
Entries 63
Mean −209.5
Std Dev 0

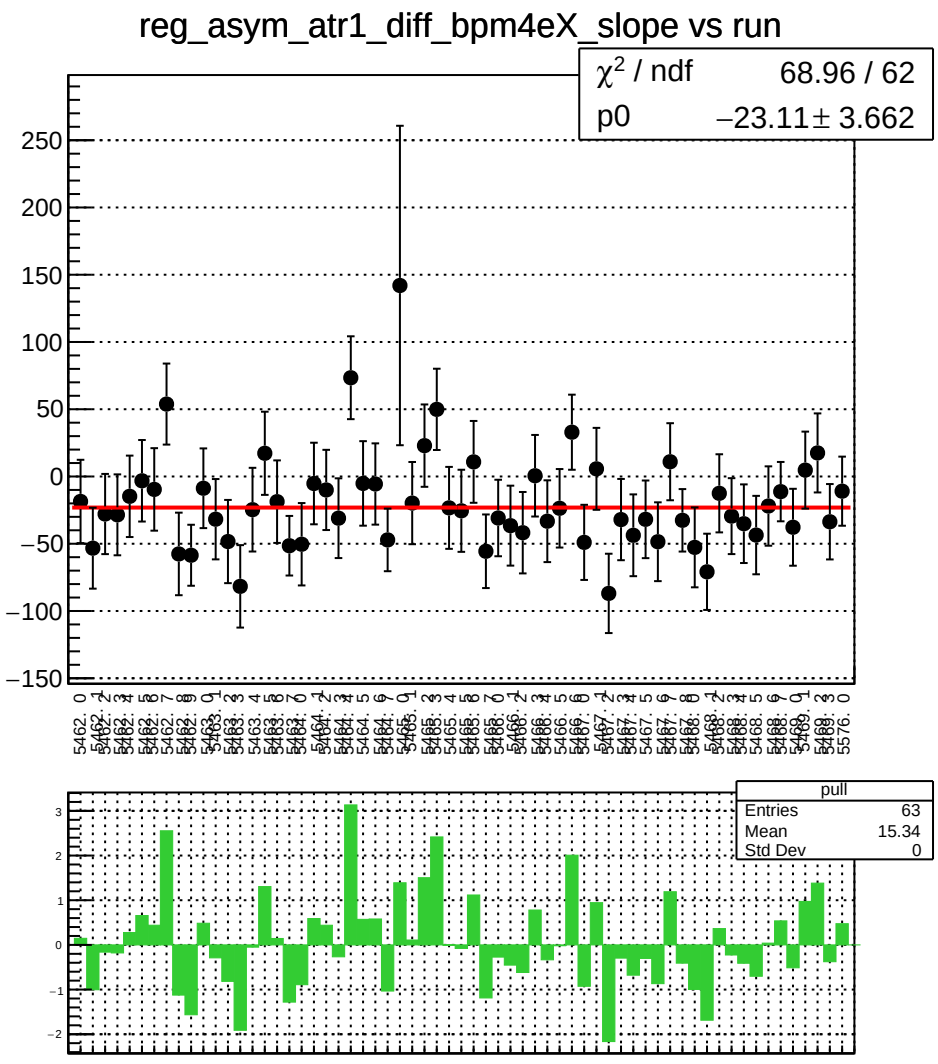

pull1D
Entries 63
Mean −0.113
Std Dev 2.309

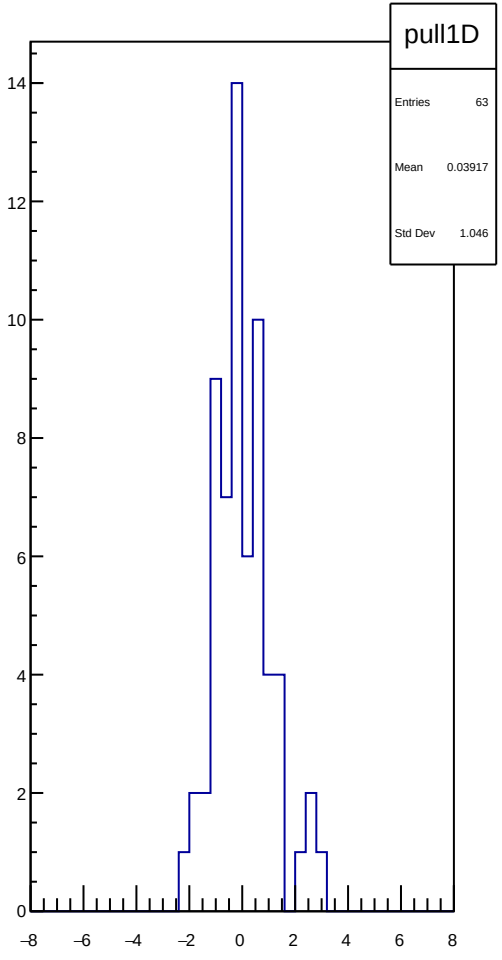

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 68.42 / 62
p0 −27.03 ± 4.665
pull
Entries 63
Mean 16.23
Std Dev 0

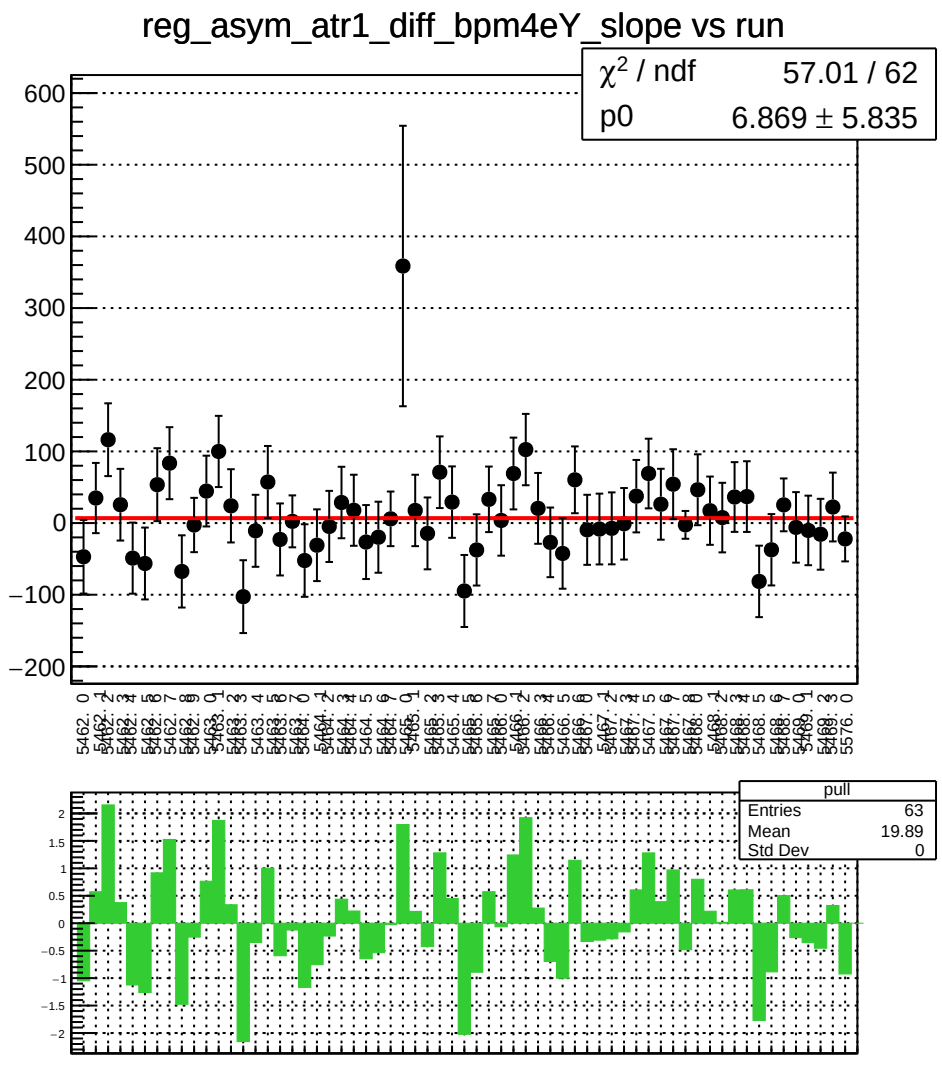

pull1D
Entries 63
Mean −0.04099
Std Dev 1.041

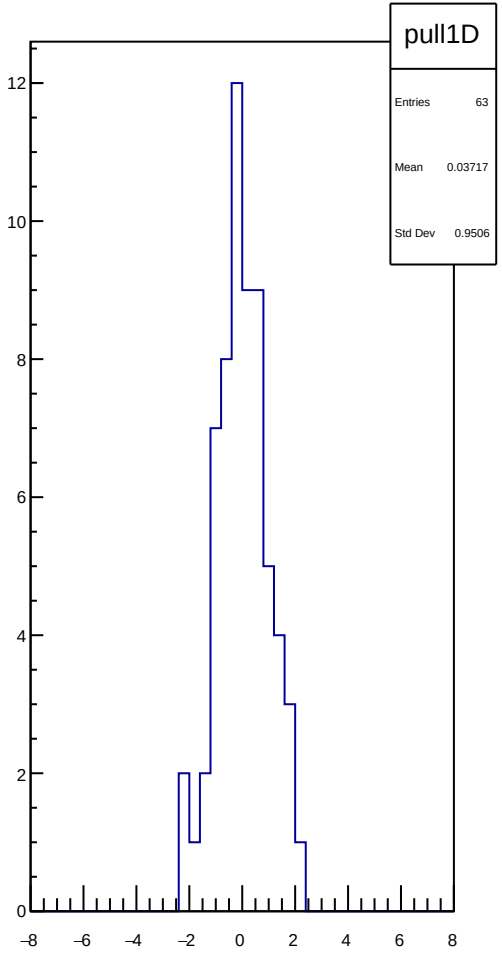

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 58.77 / 62
p0 −15.81 ± 4.9
pull
Entries 63
Mean 29.13
Std Dev 12.07

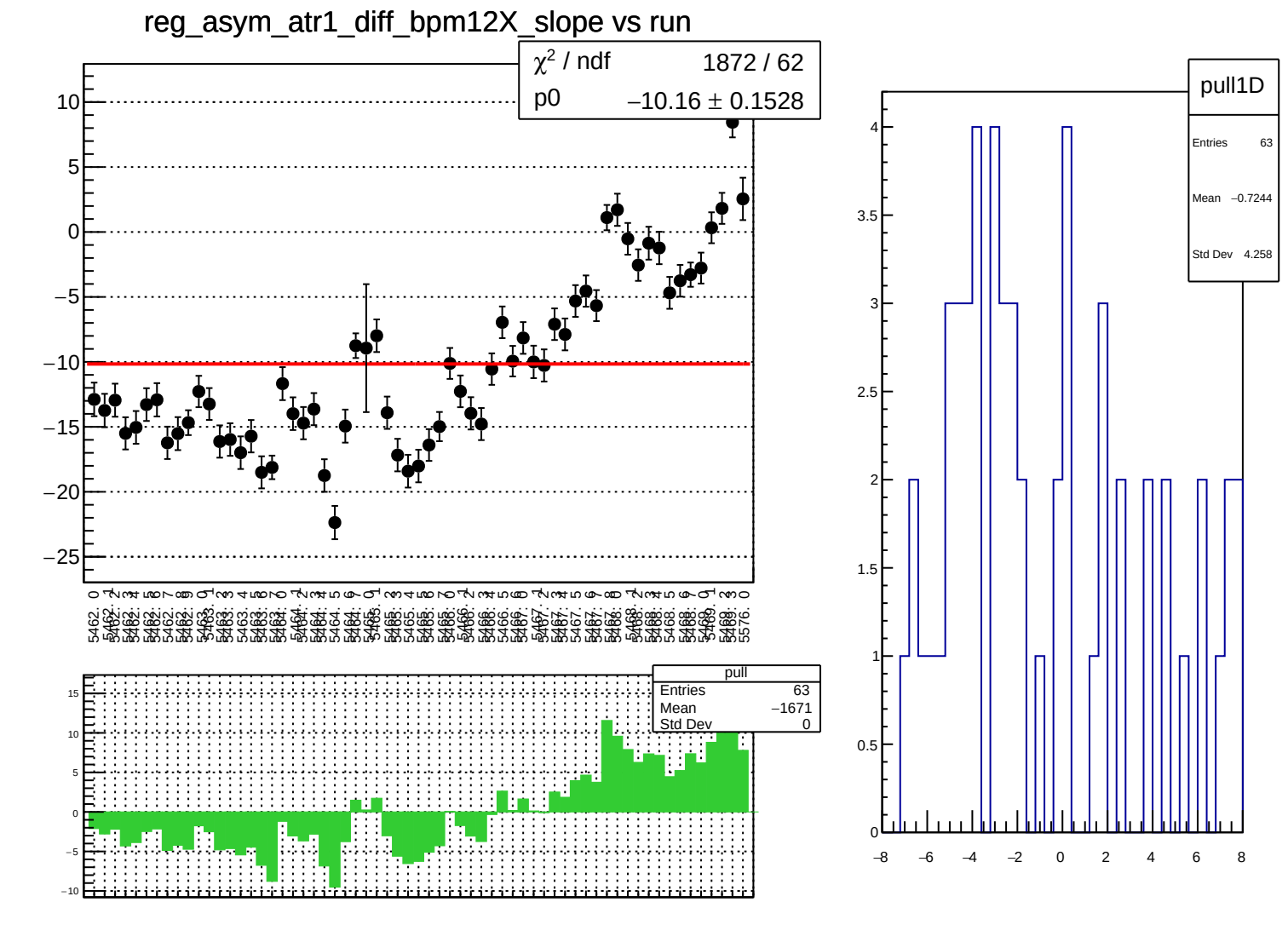

pull1D
Entries 63
Mean −0.03487
Std Dev 0.9652

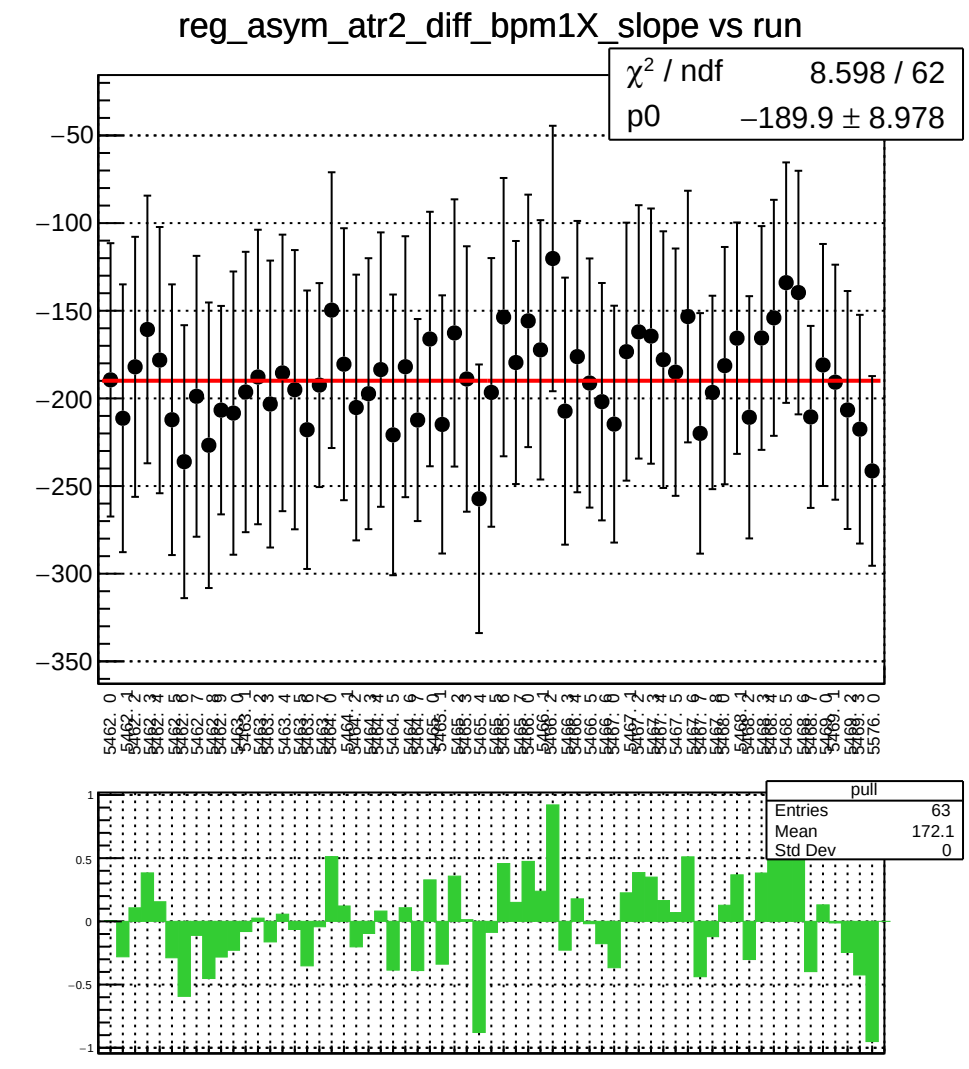

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 68.96 / 62
p0 −23.11 ± 3.662
pull
Entries 63
Mean 15.34
Std Dev 0

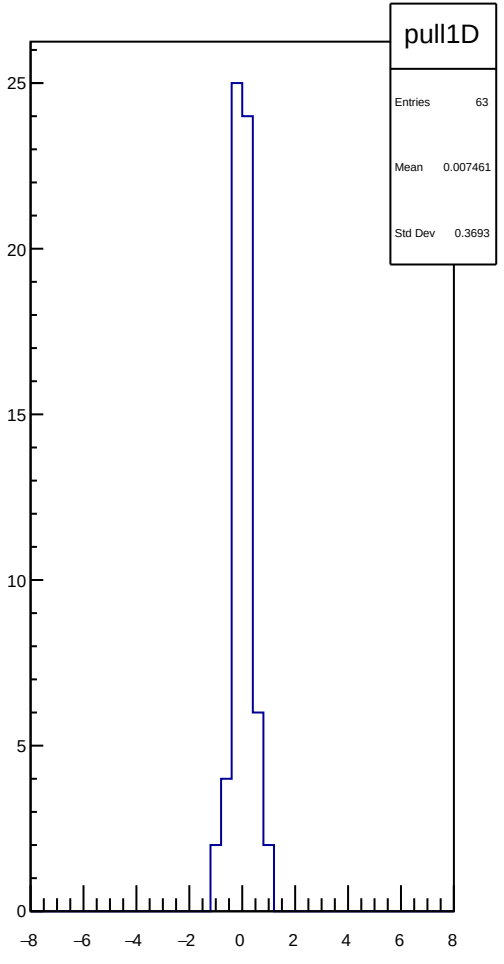

pull1D
Entries 63
Mean 0.03917
Std Dev 1.046

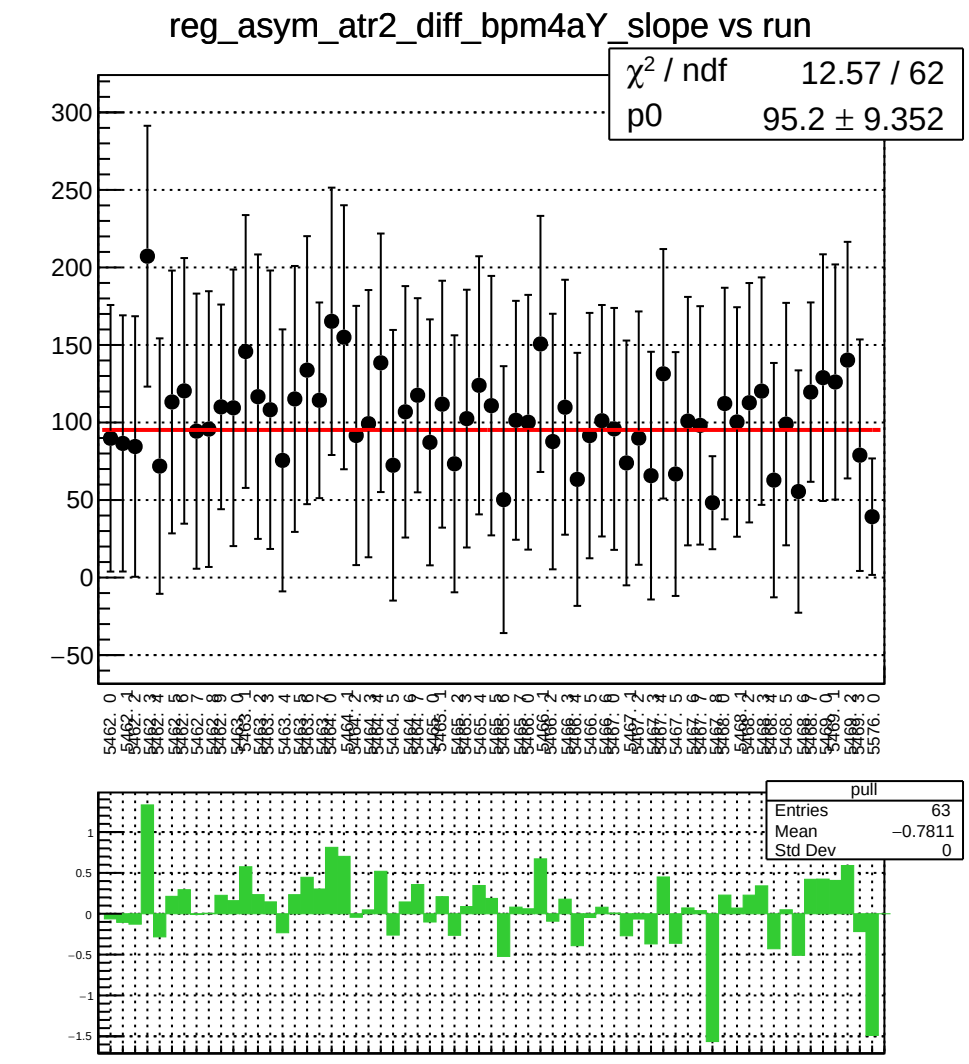

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.01 / 62
p0 6.869 ± 5.835
pull
Entries 63
Mean 19.89
Std Dev 0

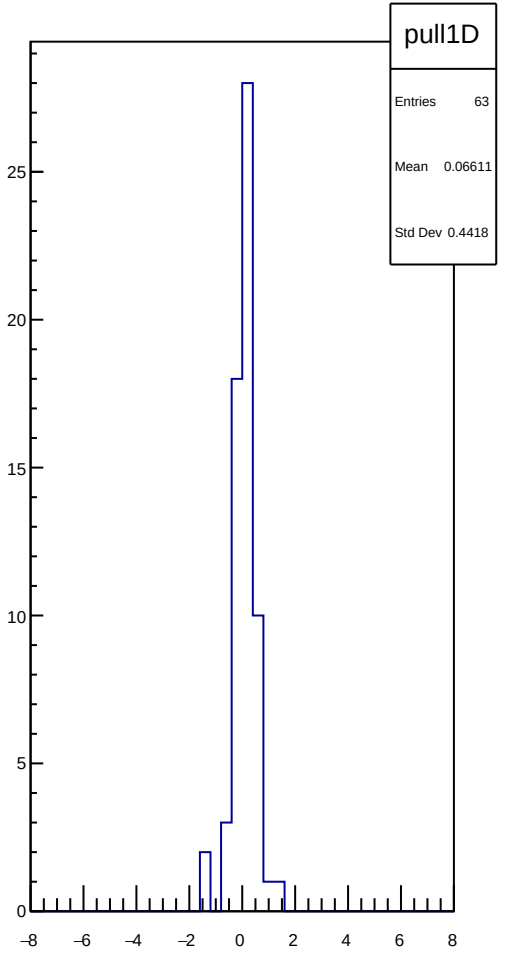

pull1D
Entries 63
Mean 0.03717
Std Dev 0.9506

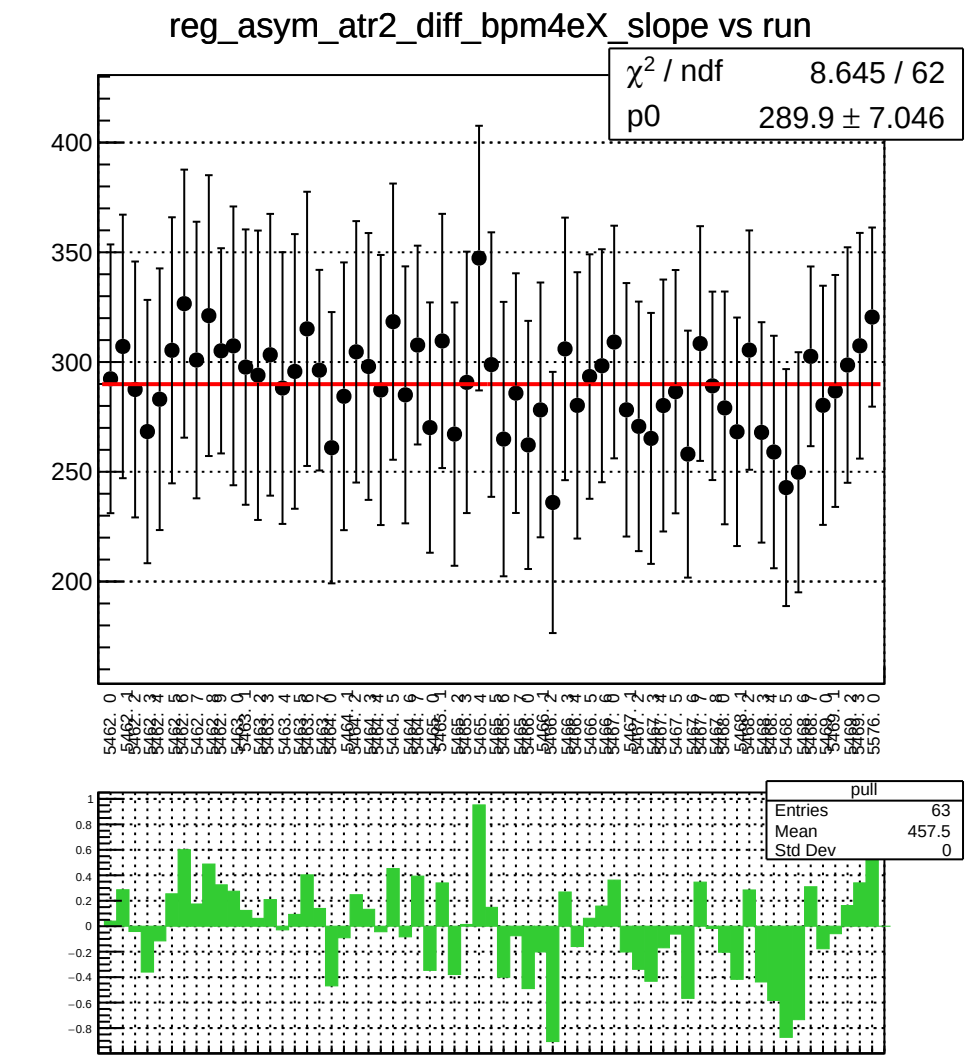

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1872 / 62
p0 −10.16 ± 0.1528
pull
Entries 63
Mean −1671
Std Dev 0
pull1D
Entries 63
Mean −0.7244
Std Dev 4.258

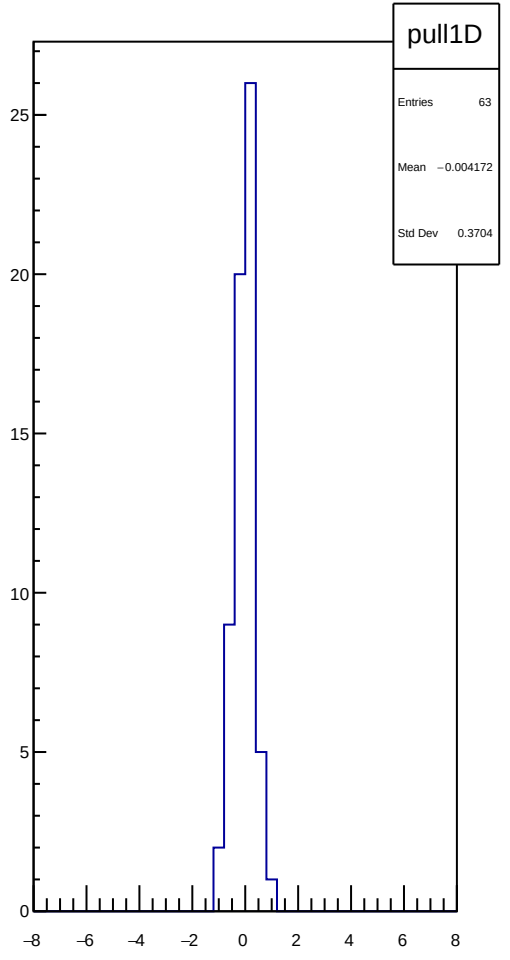

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 8.598 / 62
p0 −189.9 ± 8.978
pull
Entries 63
Mean 172.1
Std Dev 0

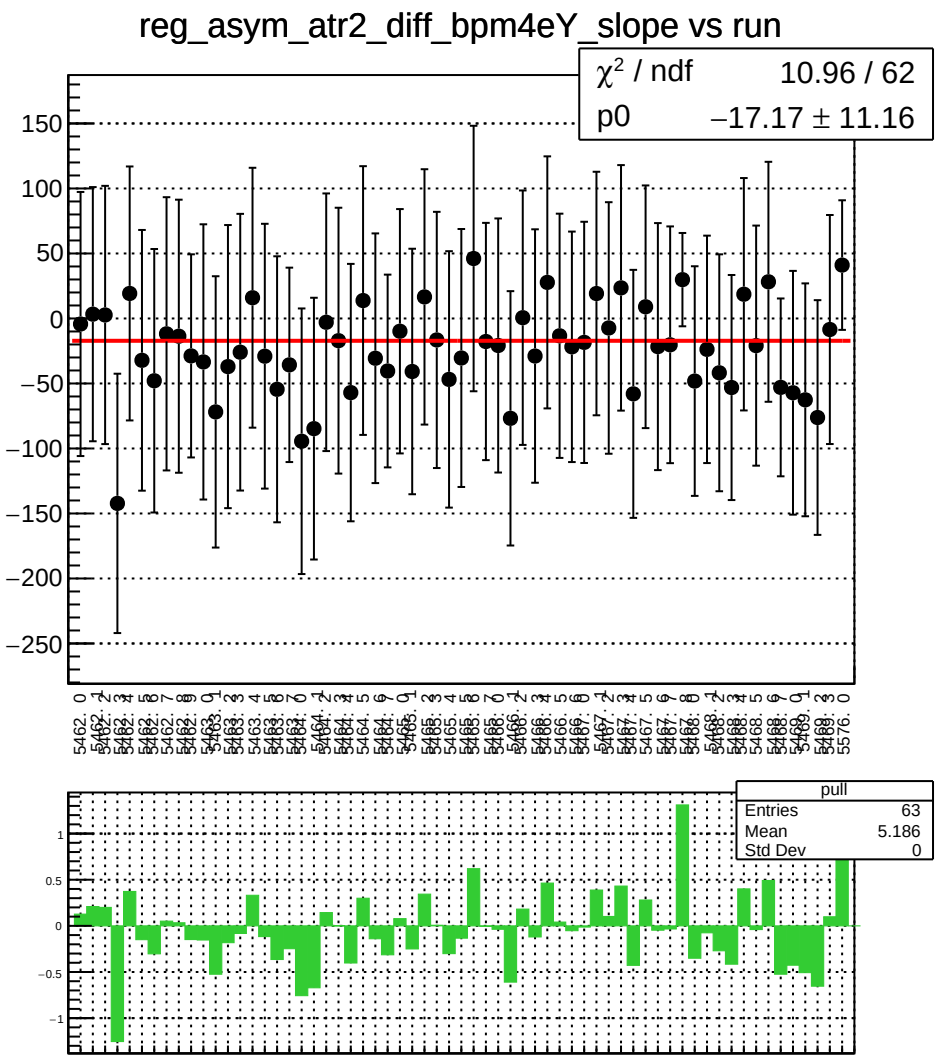

pull1D
Entries 63
Mean 0.007461
Std Dev 0.3693

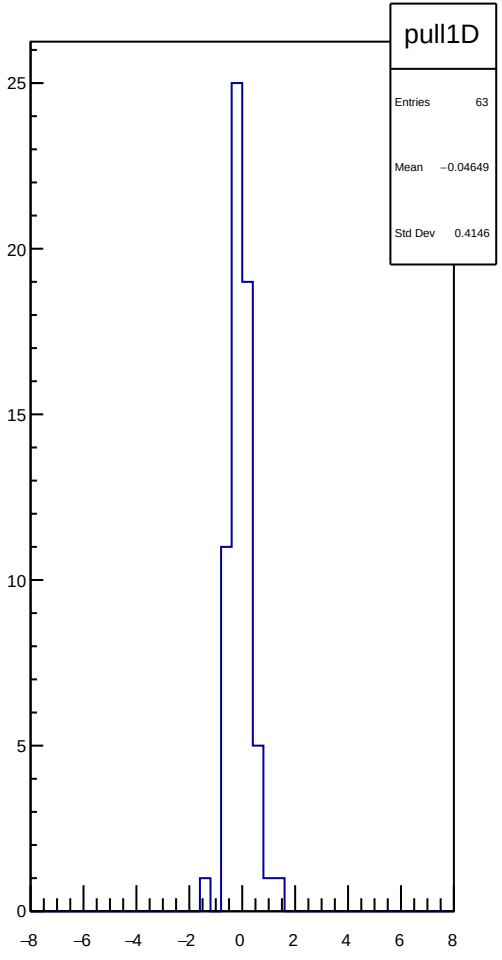

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 62
p0 95.2 ± 9.352
pull
Entries 63
Mean −0.7811
Std Dev 0

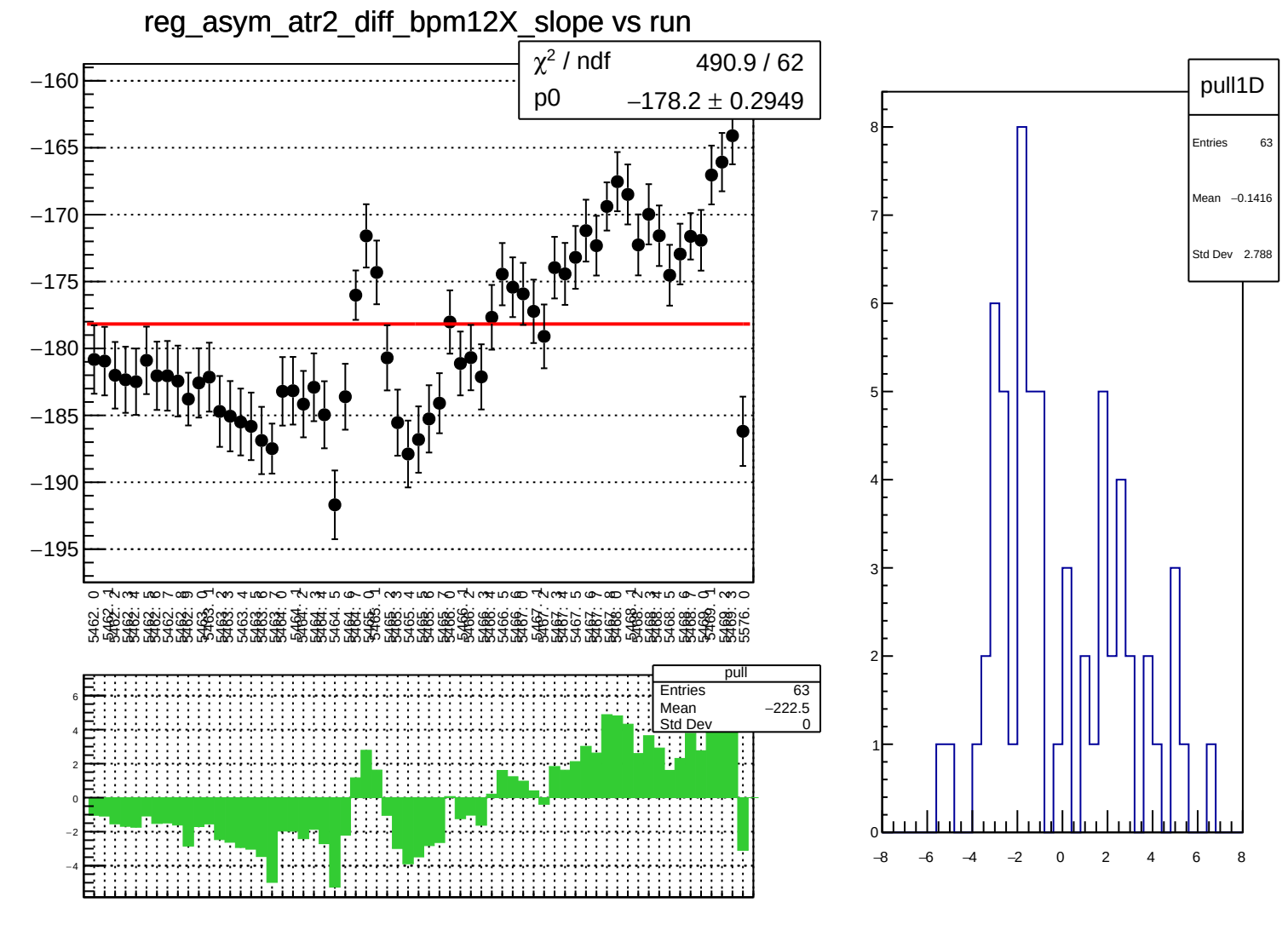

pull1D
Entries 63
Mean 0.06611
Std Dev 0.4418

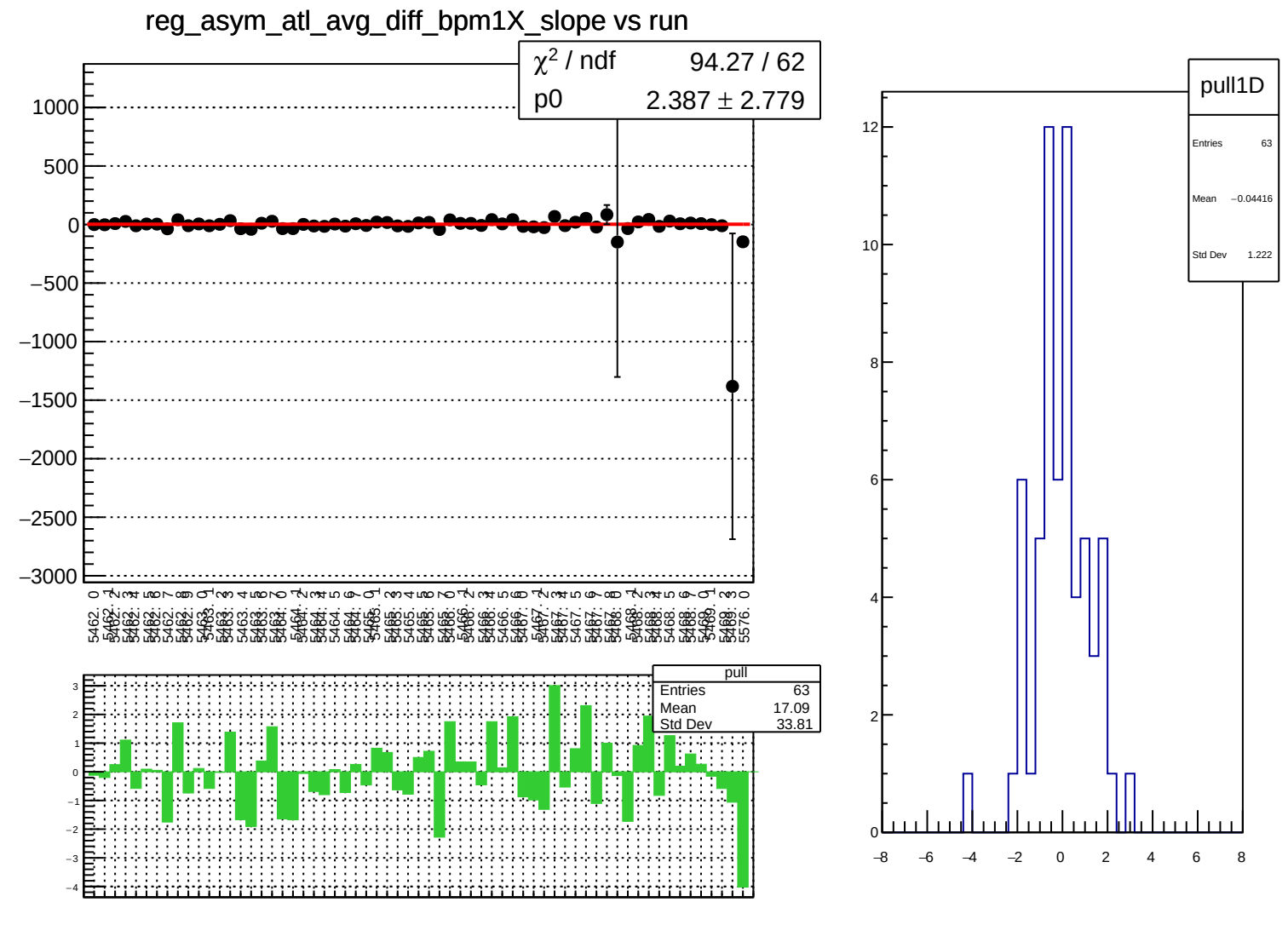

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 8.645 / 62
p0 289.9 ± 7.046
400
350
300
250
200
pull
Entries 63
Mean 457.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

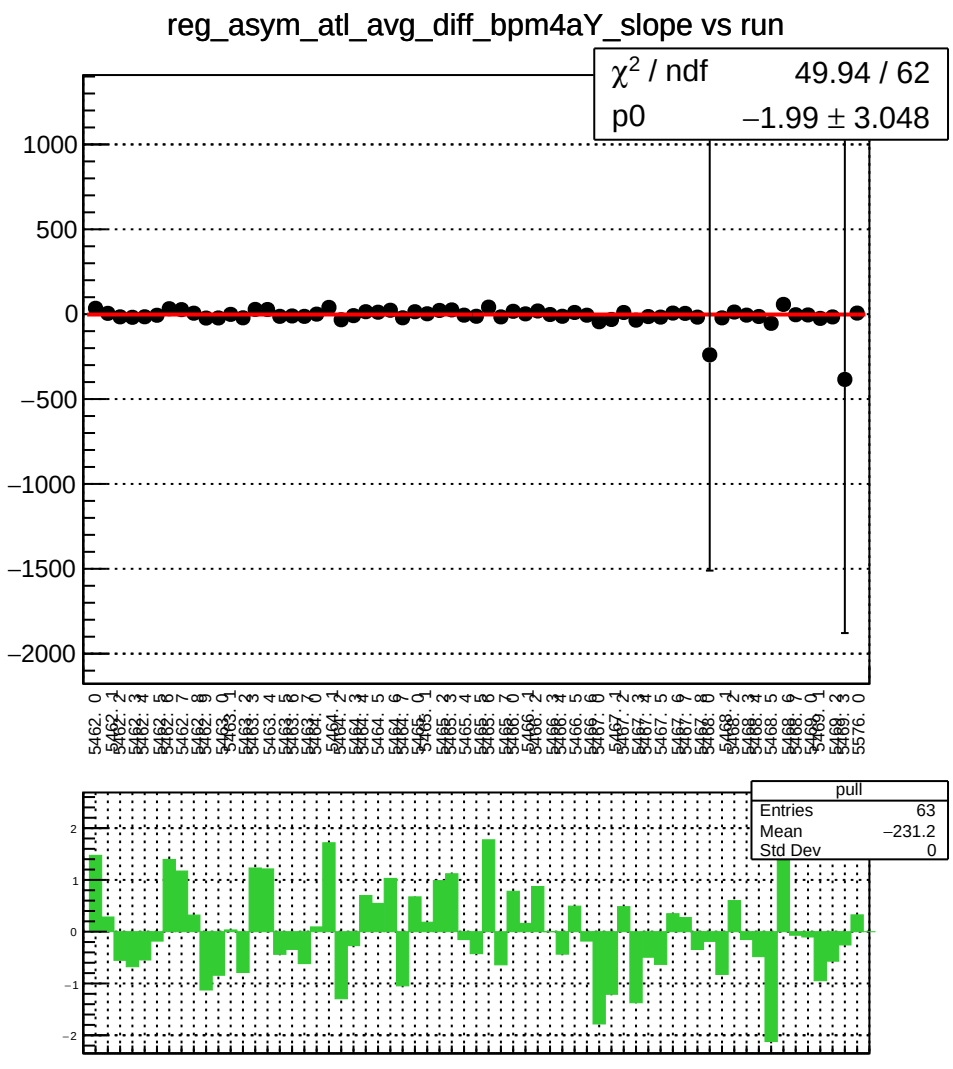

pull1D
Entries 63
Mean −0.004172
Std Dev 0.3704
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

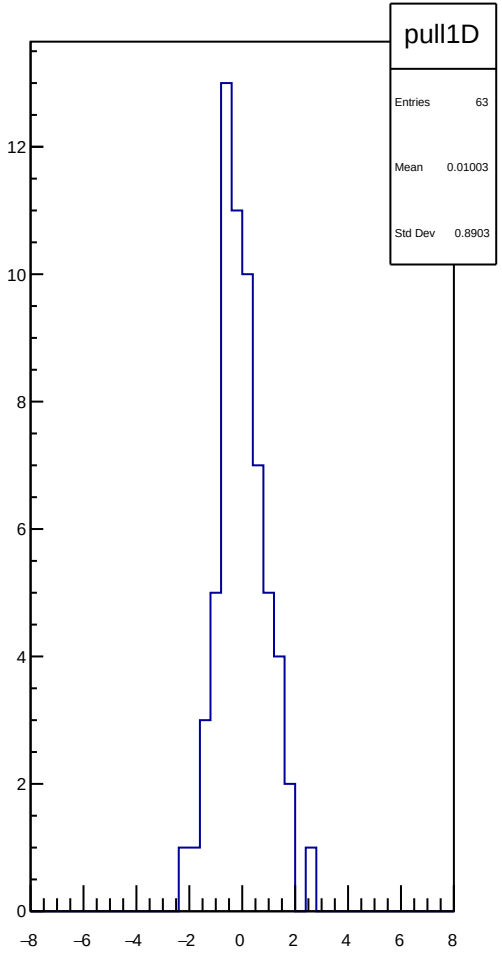

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 62
p0 −17.17 ± 11.16
pull
Entries 63
Mean 5.186
Std Dev 0

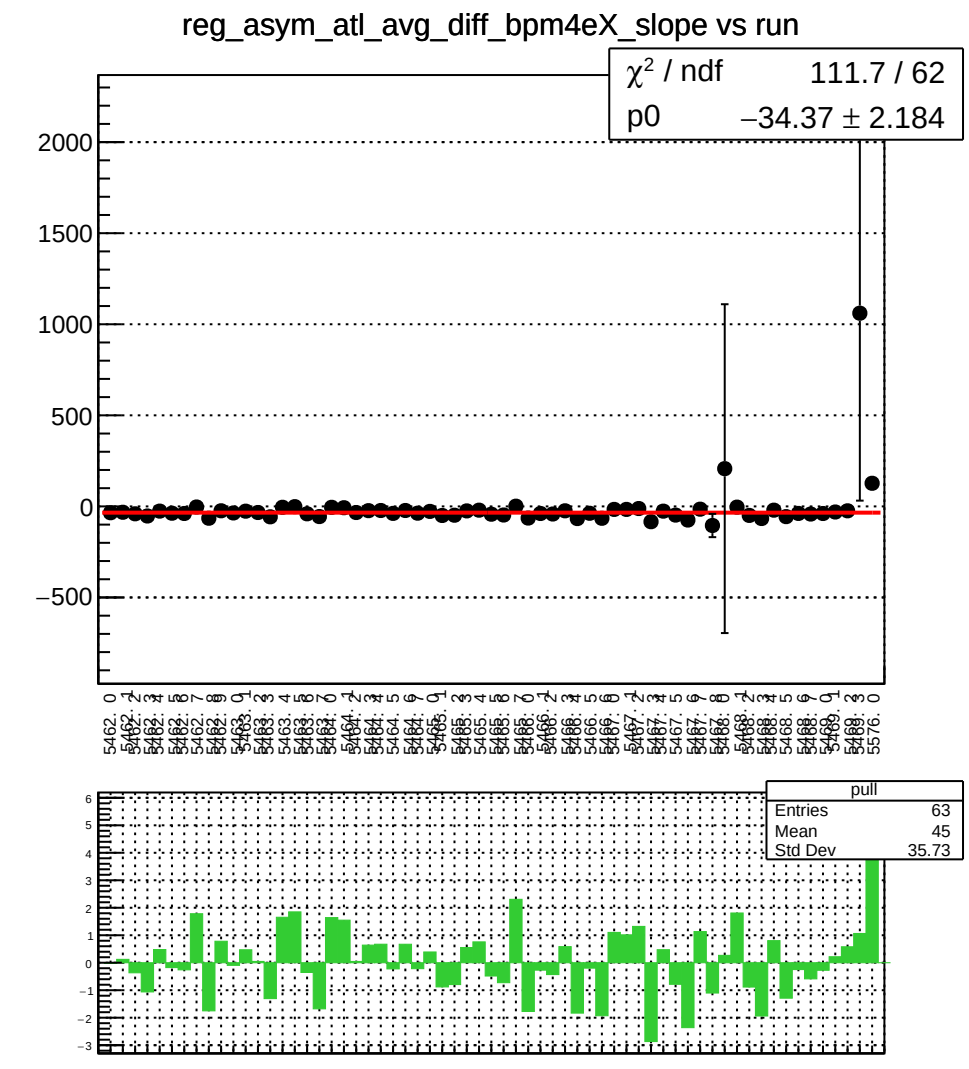

pull1D
Entries 63
Mean −0.04649
Std Dev 0.4146

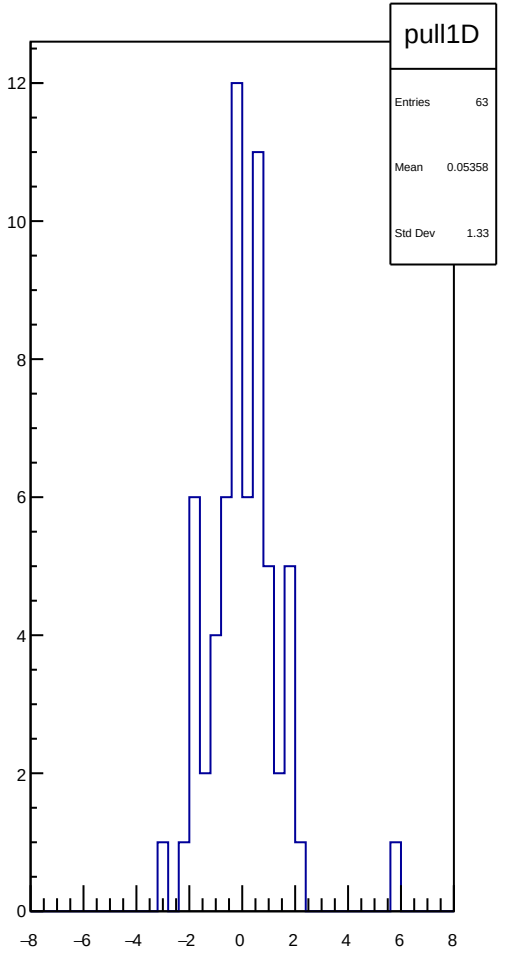

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 490.9 / 62
p0 −178.2 ± 0.2949
pull
Entries 63
Mean −222.5
Std Dev 0
pull1D
Entries 63
Mean −0.1416
Std Dev 2.788

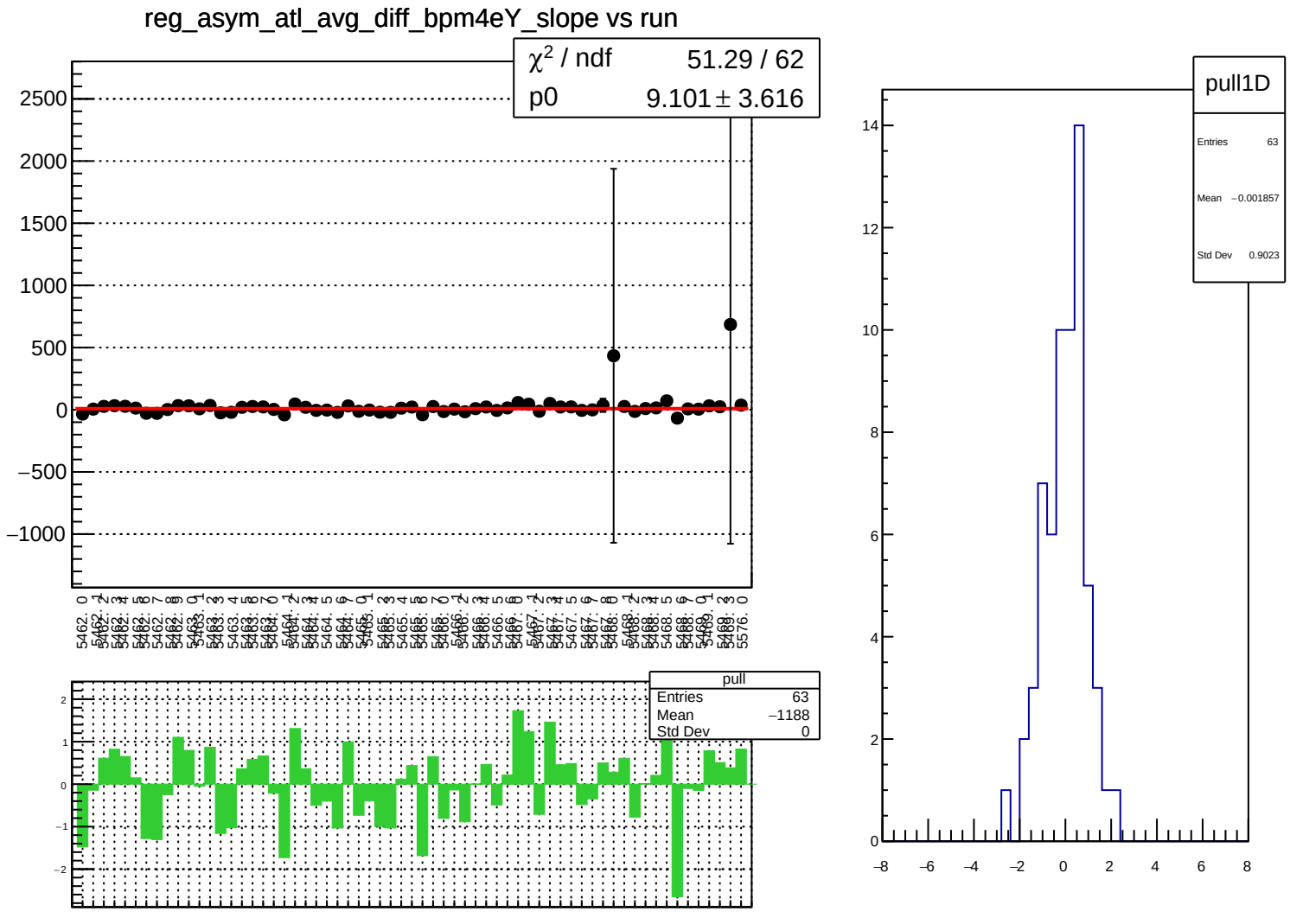

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 94.27 / 62
p0 2.387 ± 2.779
pull
Entries 63
Mean 17.09
Std Dev 33.81
pull1D
Entries 63
Mean −0.04416
Std Dev 1.222

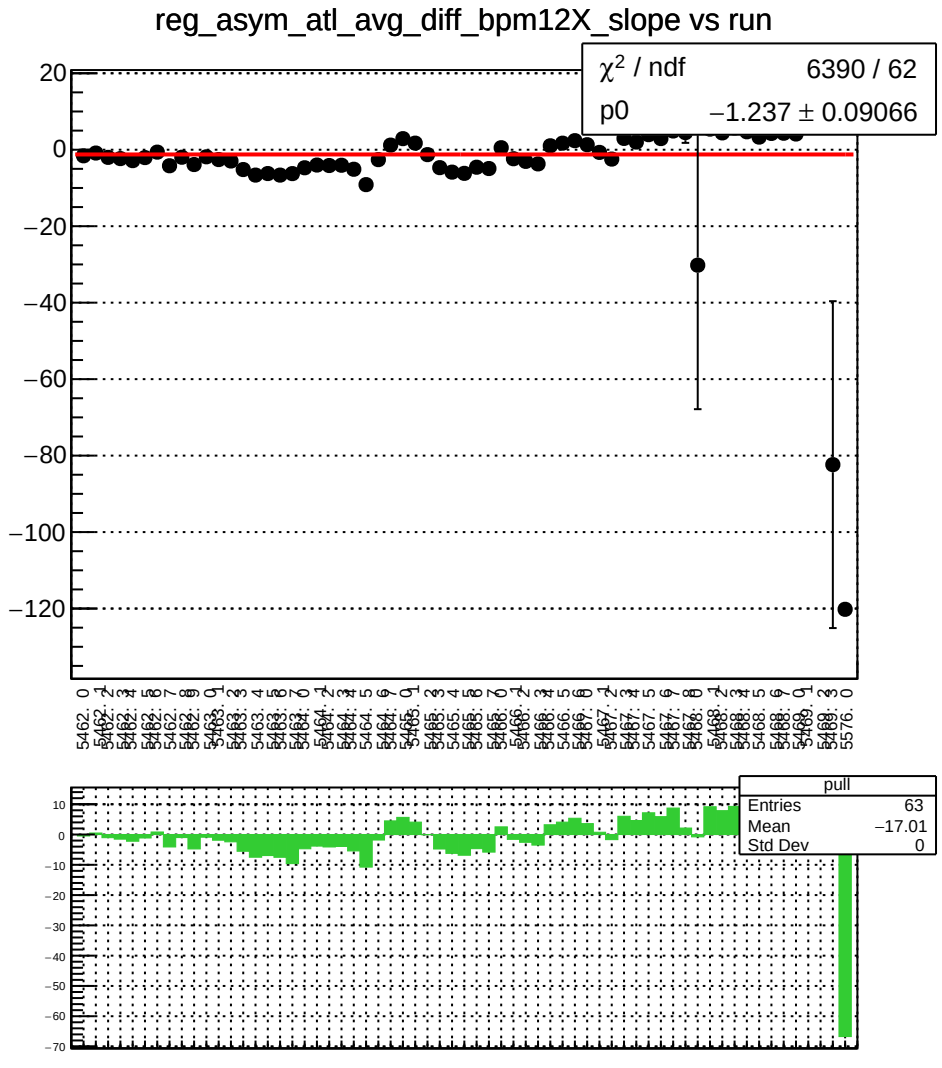

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.94 / 62
p0 −1.99 ± 3.048
pull
Entries 63
Mean −231.2
Std Dev 0

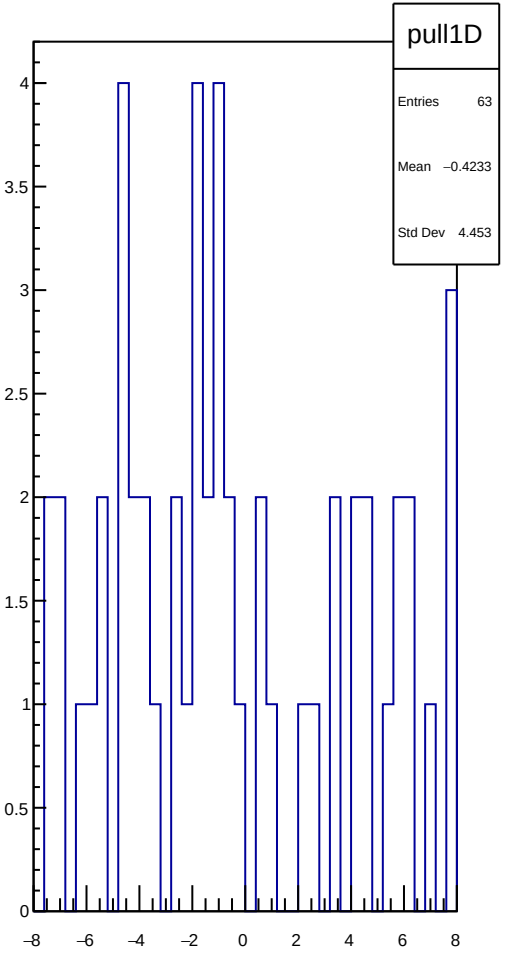

pull1D
Entries 63
Mean 0.01003
Std Dev 0.8903

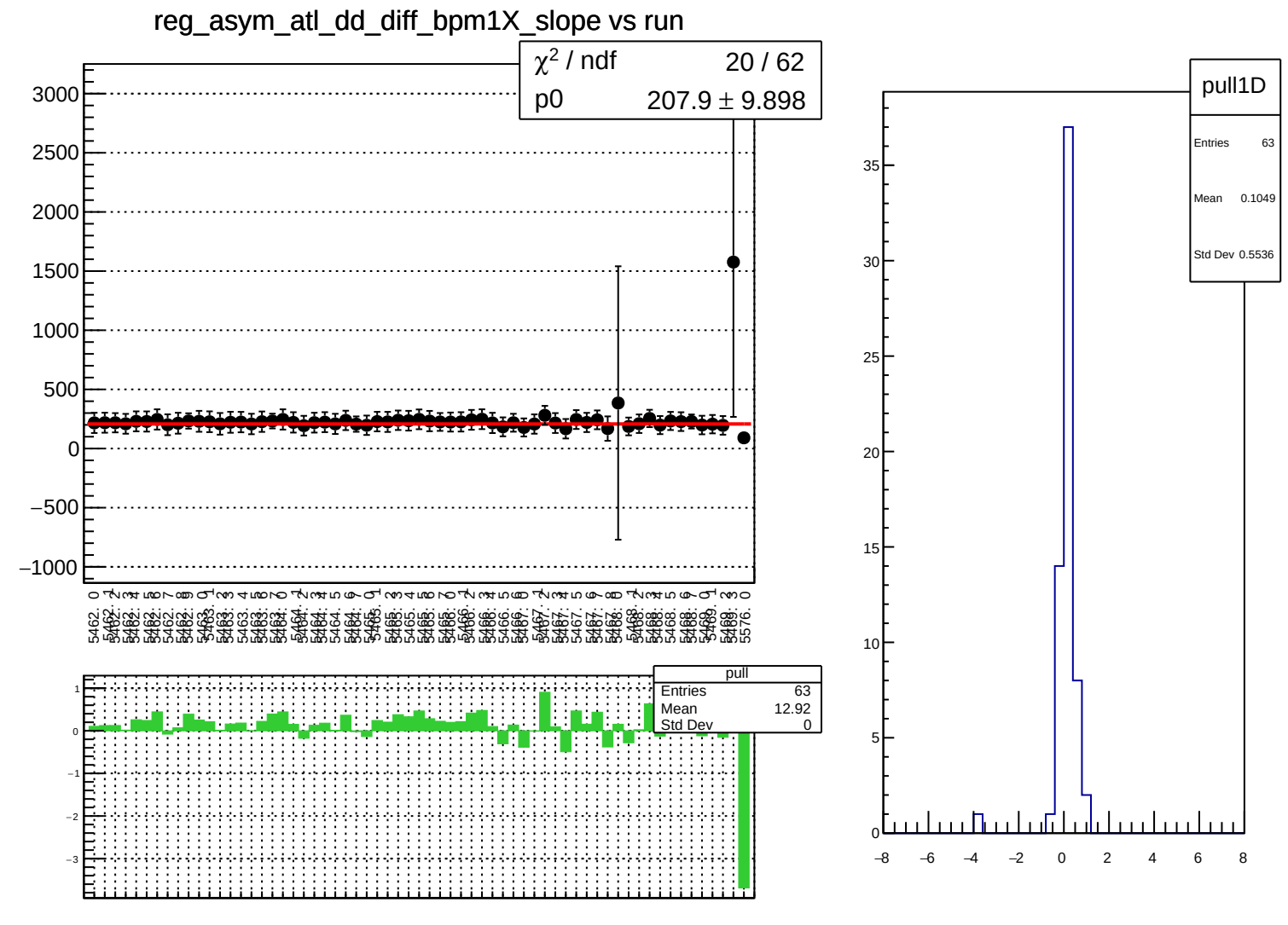

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 111.7 / 62
p0 −34.37 ± 2.184
pull
Entries 63
Mean 45
Std Dev 35.73

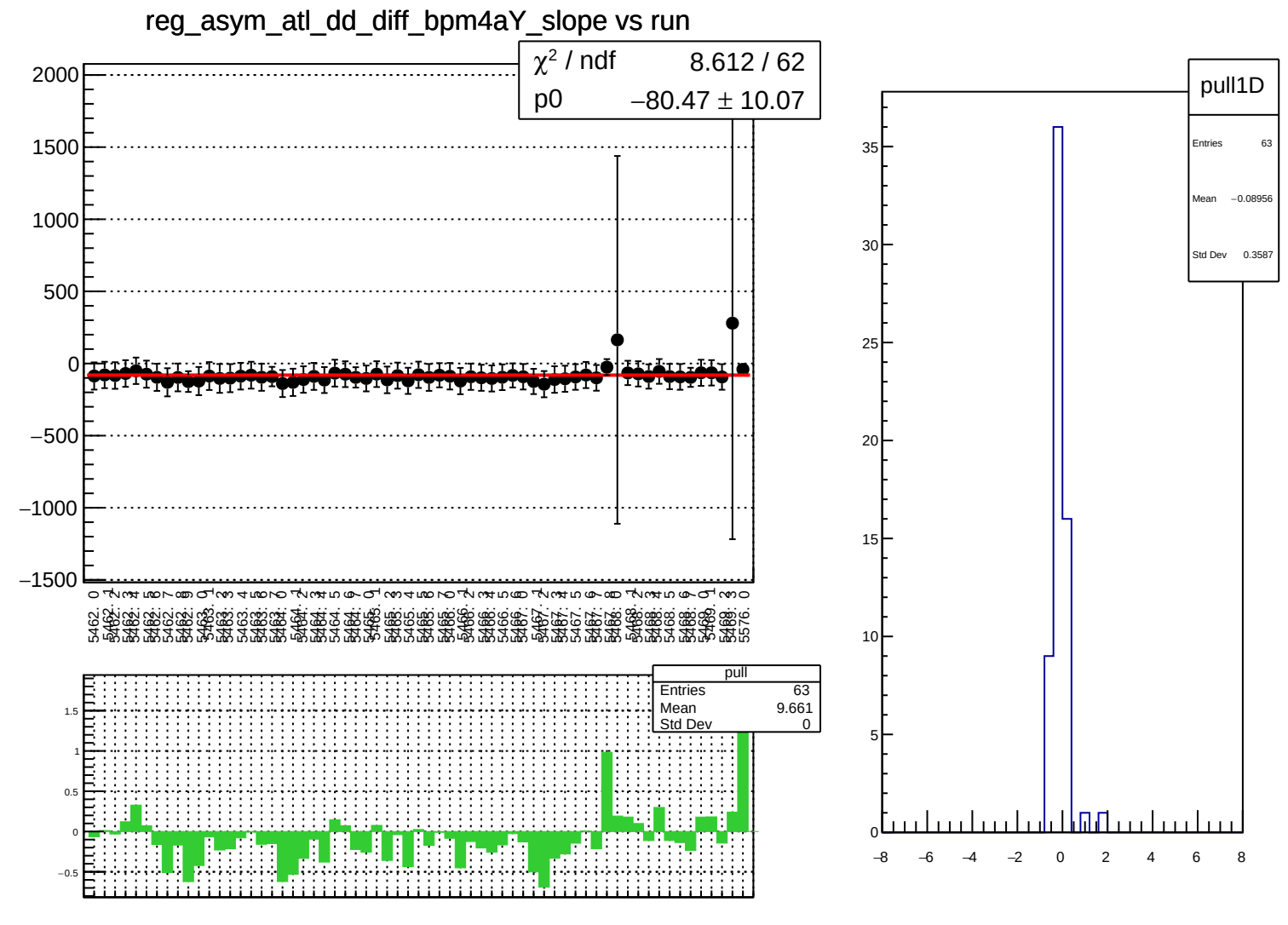

pull1D
Entries 63
Mean 0.05358
Std Dev 1.33

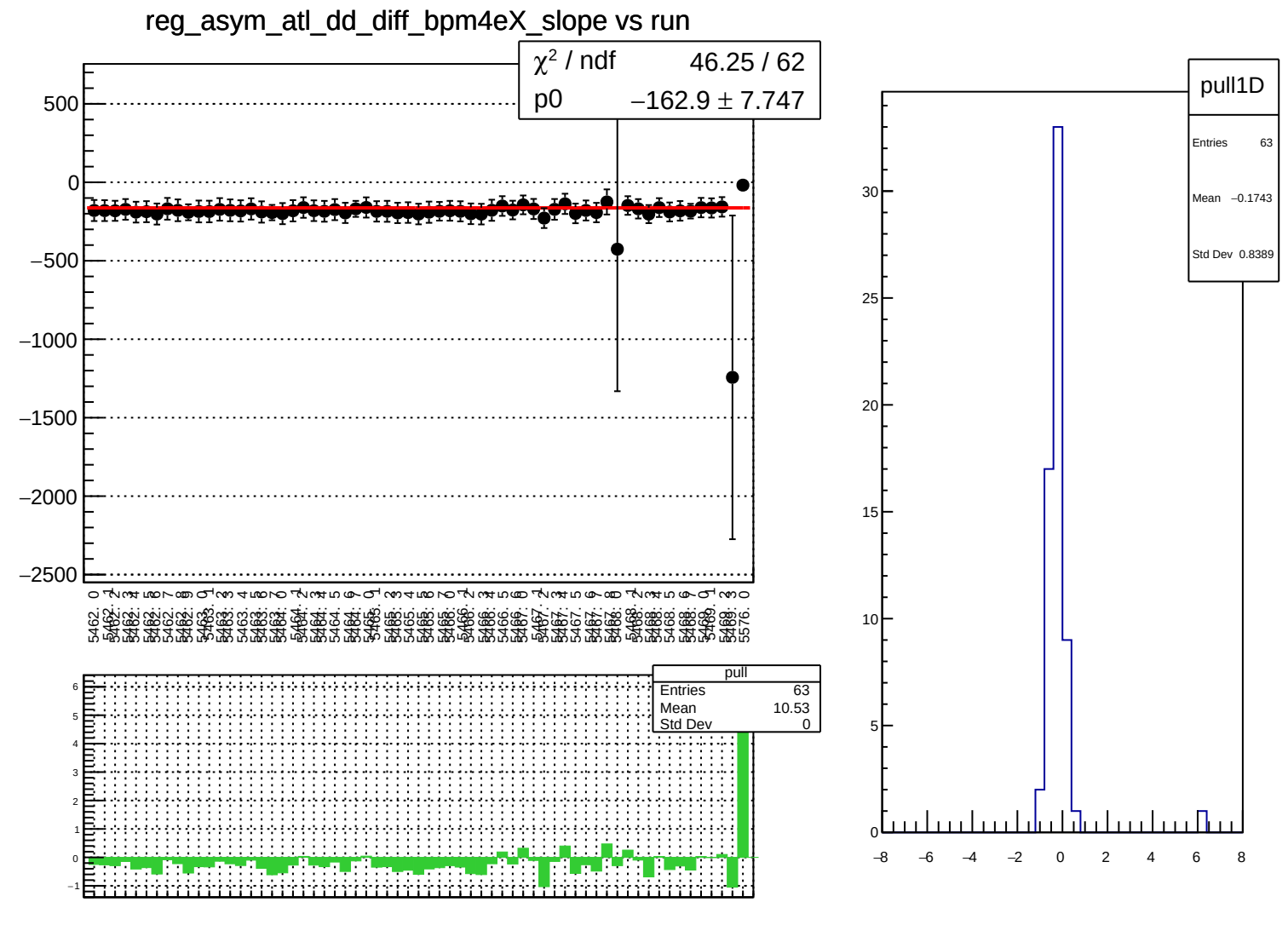

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.29 / 62
p0 9.101 ± 3.616
pull
Entries 63
Mean −1188
Std Dev 0
pull1D
Entries 63
Mean −0.001857
Std Dev 0.9023

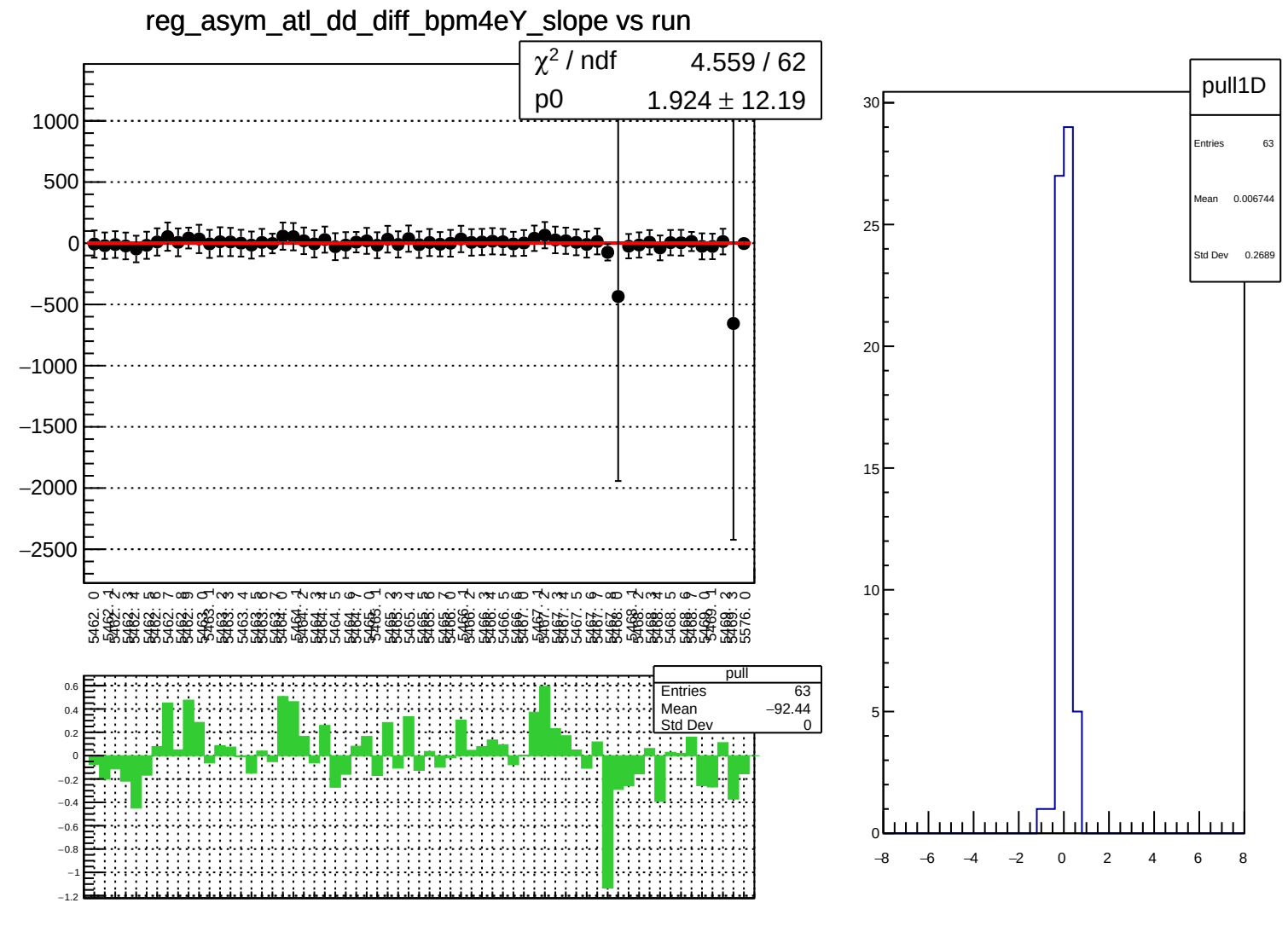

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 6390 / 62
p0 −1.237 ± 0.09066
pull
Entries 63
Mean −17.01
Std Dev 0

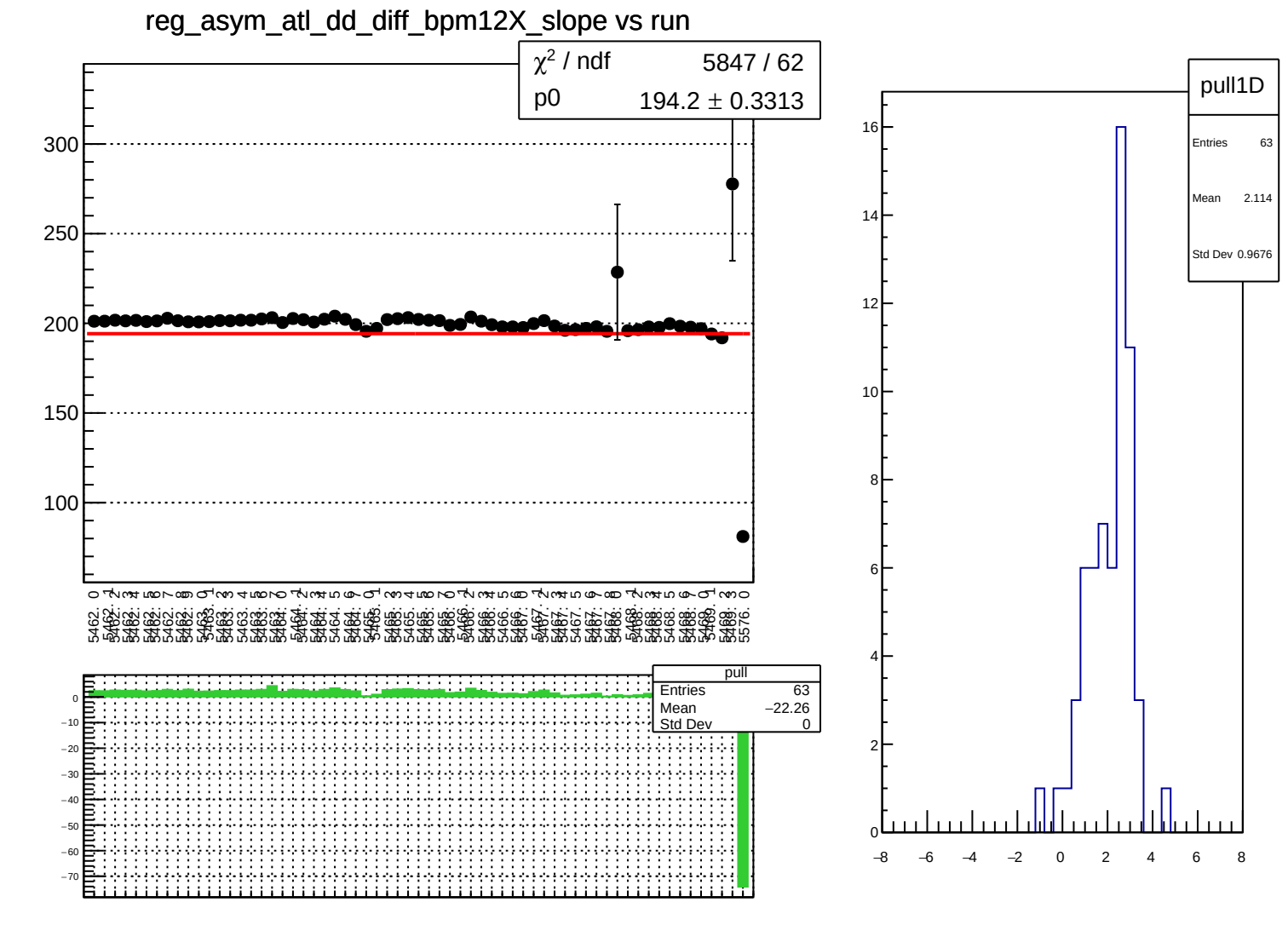

pull1D
Entries 63
Mean −0.4233
Std Dev 4.453

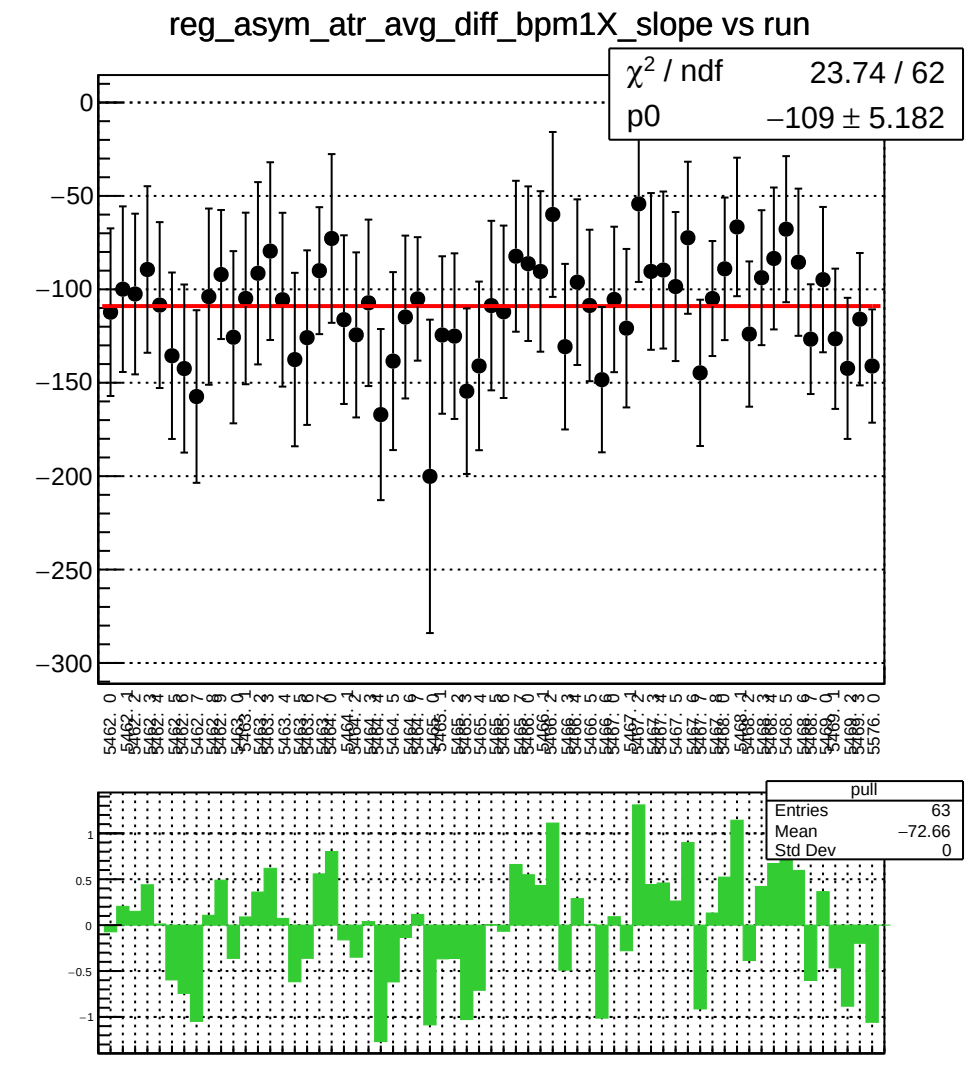

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 20 / 62
p0 207.9 ± 9.898
pull
Entries 63
Mean 12.92
Std Dev 0
pull1D
Entries 63
Mean 0.1049
Std Dev 0.5536

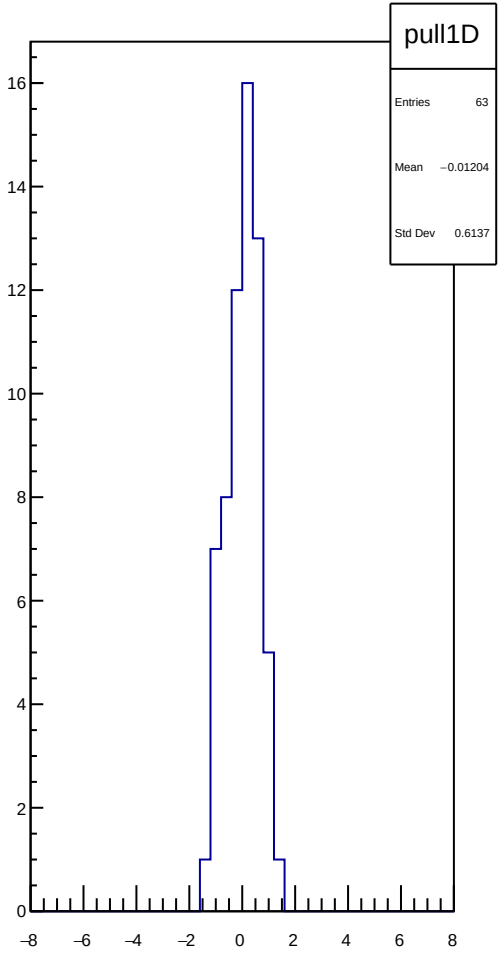

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.612 / 62
p0 −80.47 ± 10.07
pull
Entries 63
Mean 9.661
Std Dev 0
pull1D
Entries 63
Mean −0.08956
Std Dev 0.3587

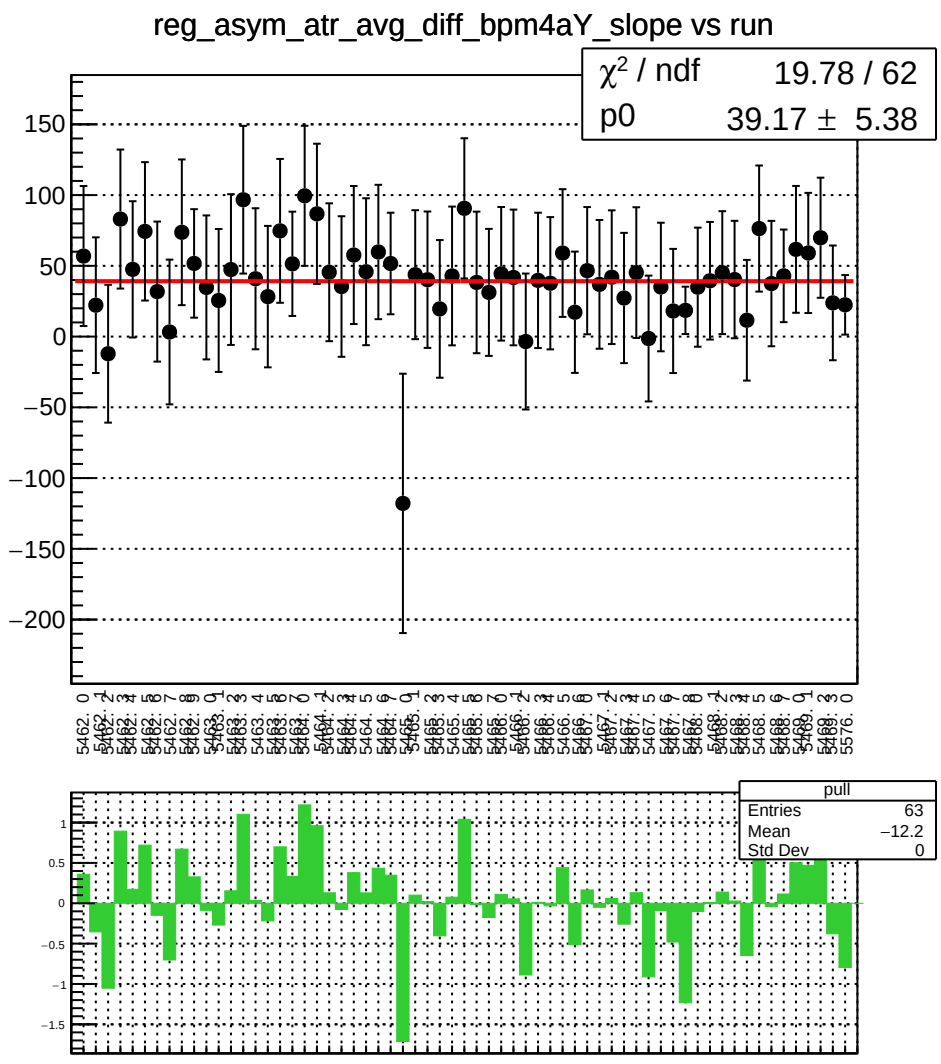

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.25 / 62
p0 −162.9 ± 7.747
pull
Entries 63
Mean 10.53
Std Dev 0
pull1D
Entries 63
Mean −0.1743
Std Dev 0.8389

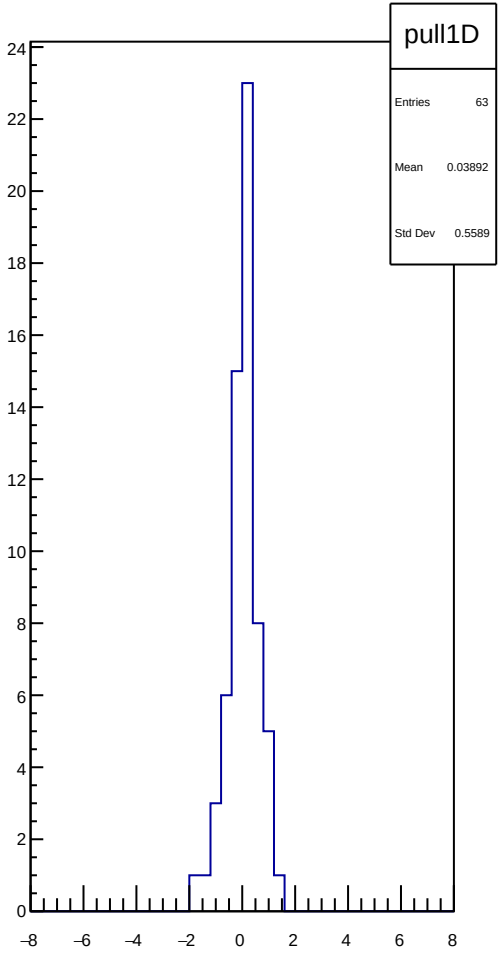

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.559 / 62
p0 1.924 ± 12.19
pull
Entries 63
Mean −92.44
Std Dev 0
pull1D
Entries 63
Mean 0.006744
Std Dev 0.2689

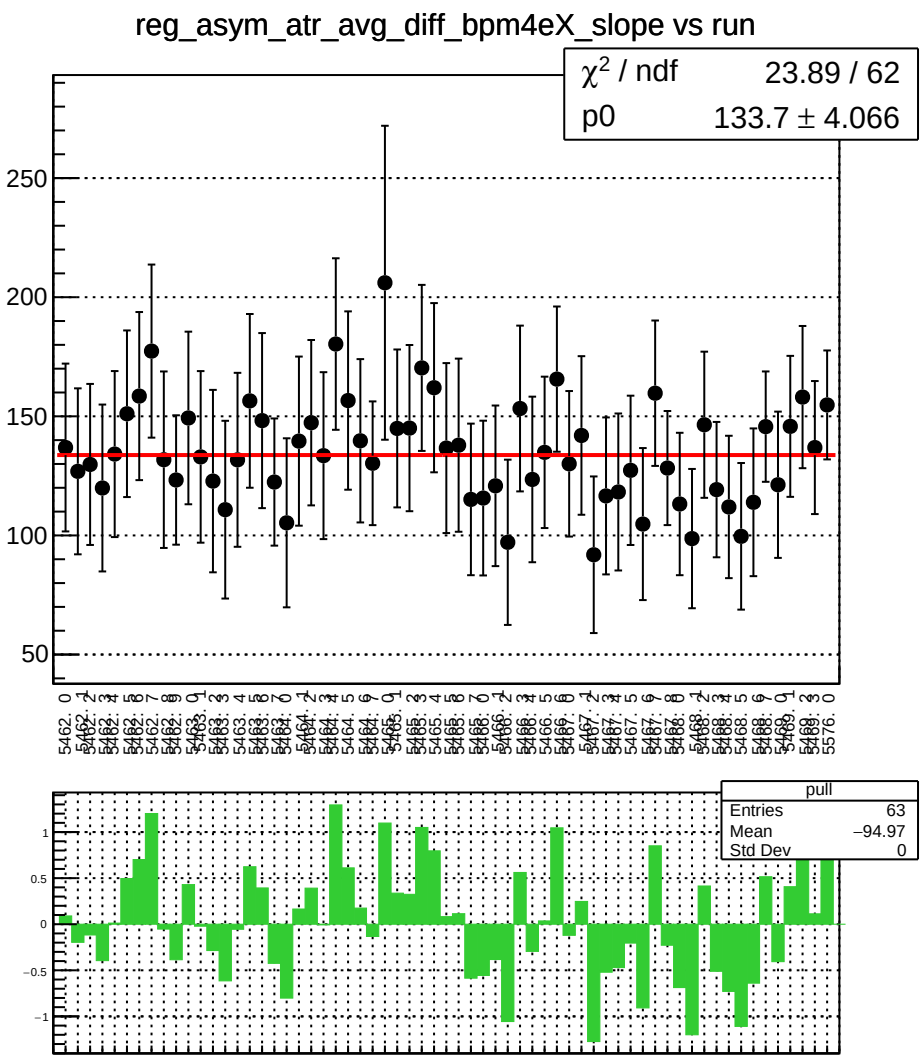

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 5847 / 62
p0 194.2 ± 0.3313
300
250
200
150
100
pull
Entries 63
Mean −22.26
Std Dev 0
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 63
Mean 2.114
Std Dev 0.9676
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

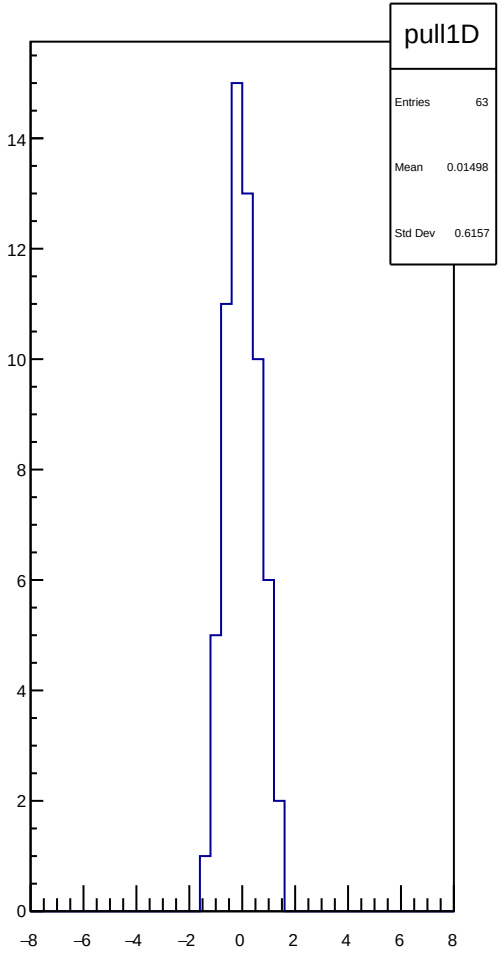

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 23.74 / 62
p0 −109 ± 5.182
pull
Entries 63
Mean −72.66
Std Dev 0

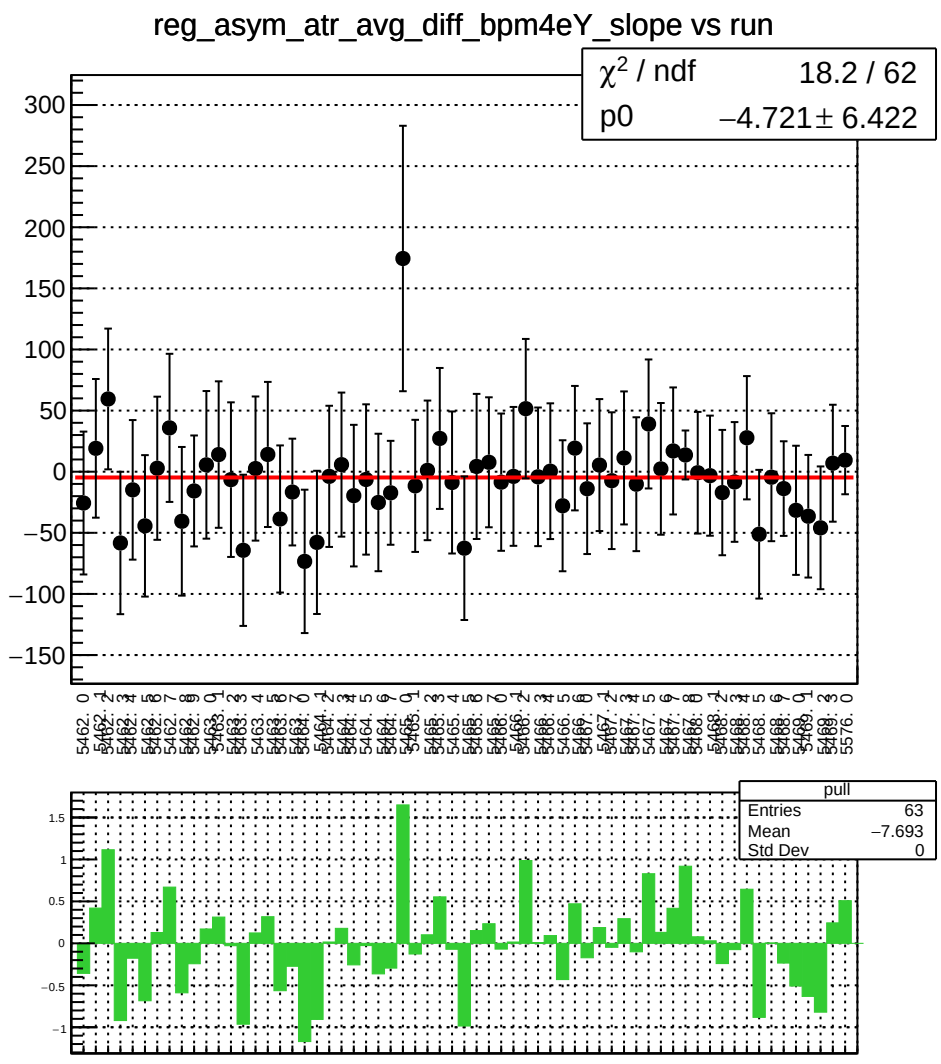

pull1D
Entries 63
Mean −0.01204
Std Dev 0.6137

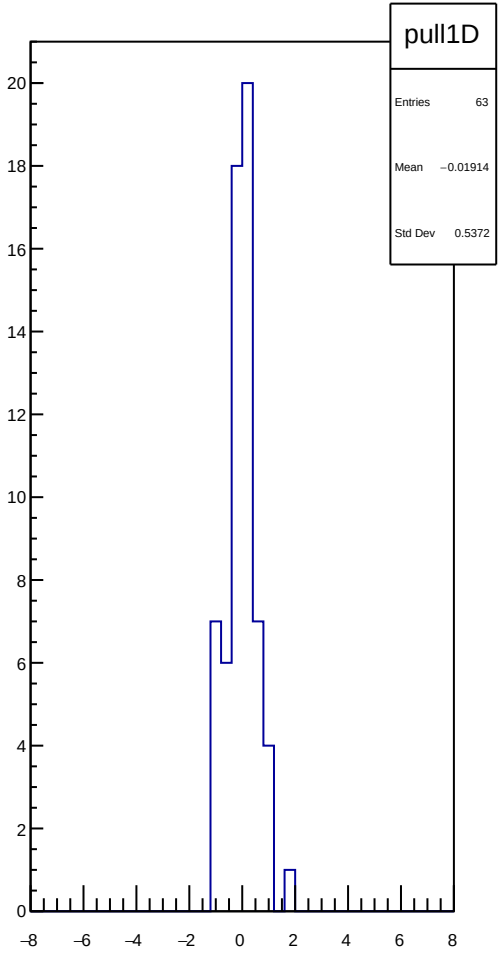

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.78 / 62
p0 39.17 ± 5.38
pull
Entries 63
Mean −12.2
Std Dev 0

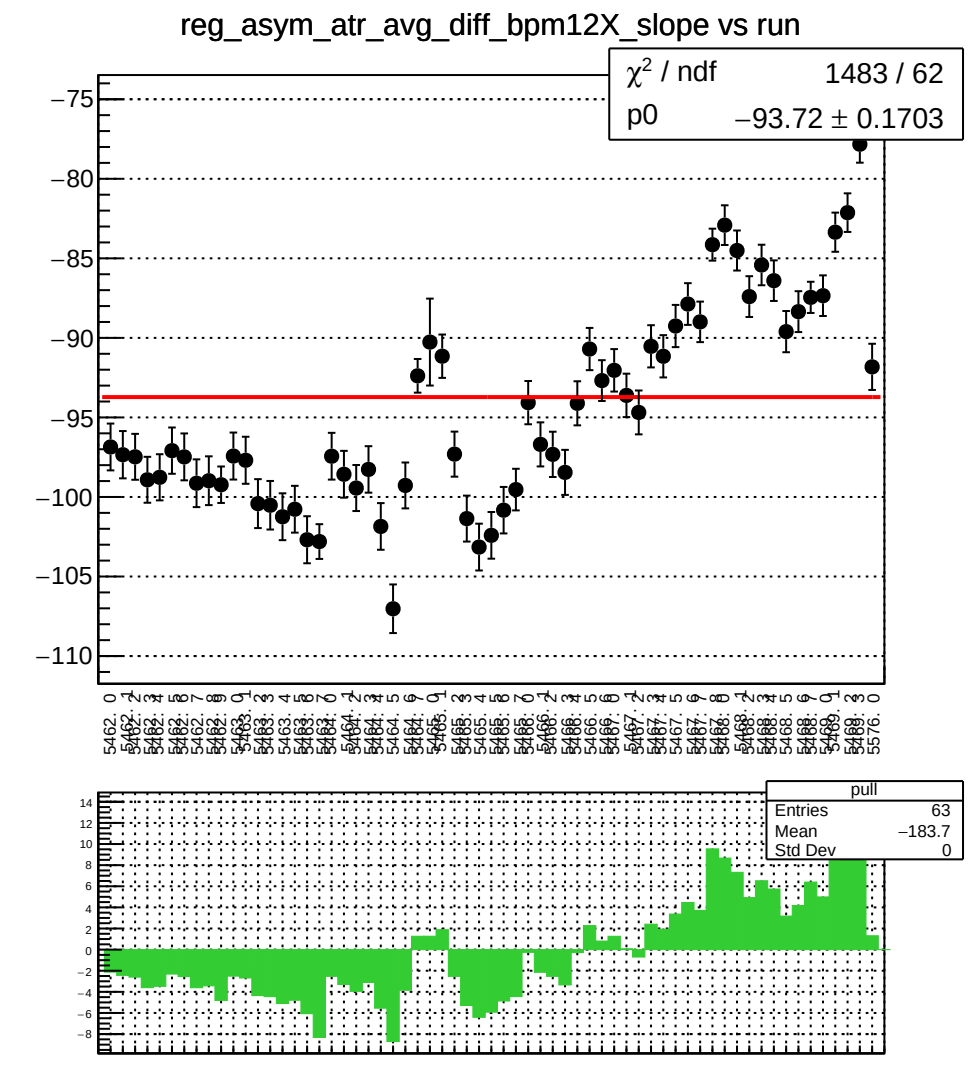

pull1D
Entries 63
Mean 0.03892
Std Dev 0.5589

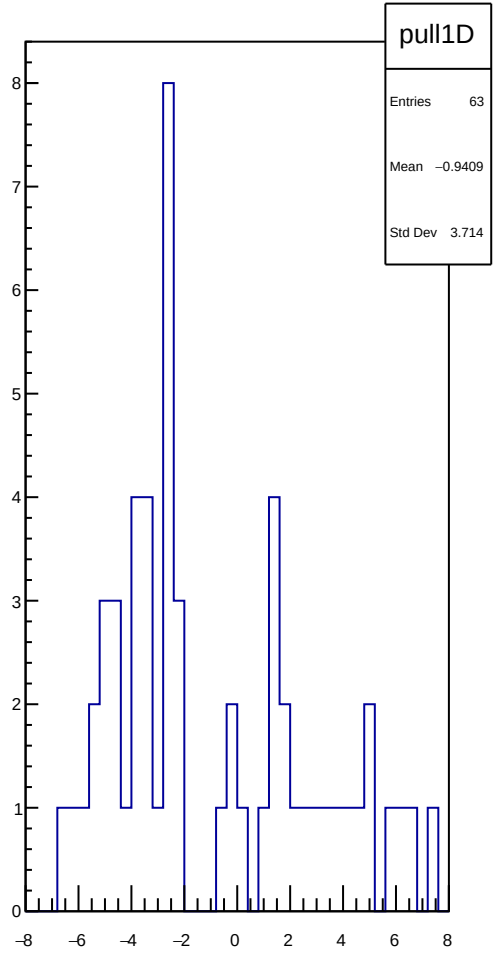

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.89 / 62
p0 133.7 ± 4.066
250
200
150
100
50
pull
Entries 63
Mean −94.97
Std Dev 0
1
0.5
0
−0.5
−1

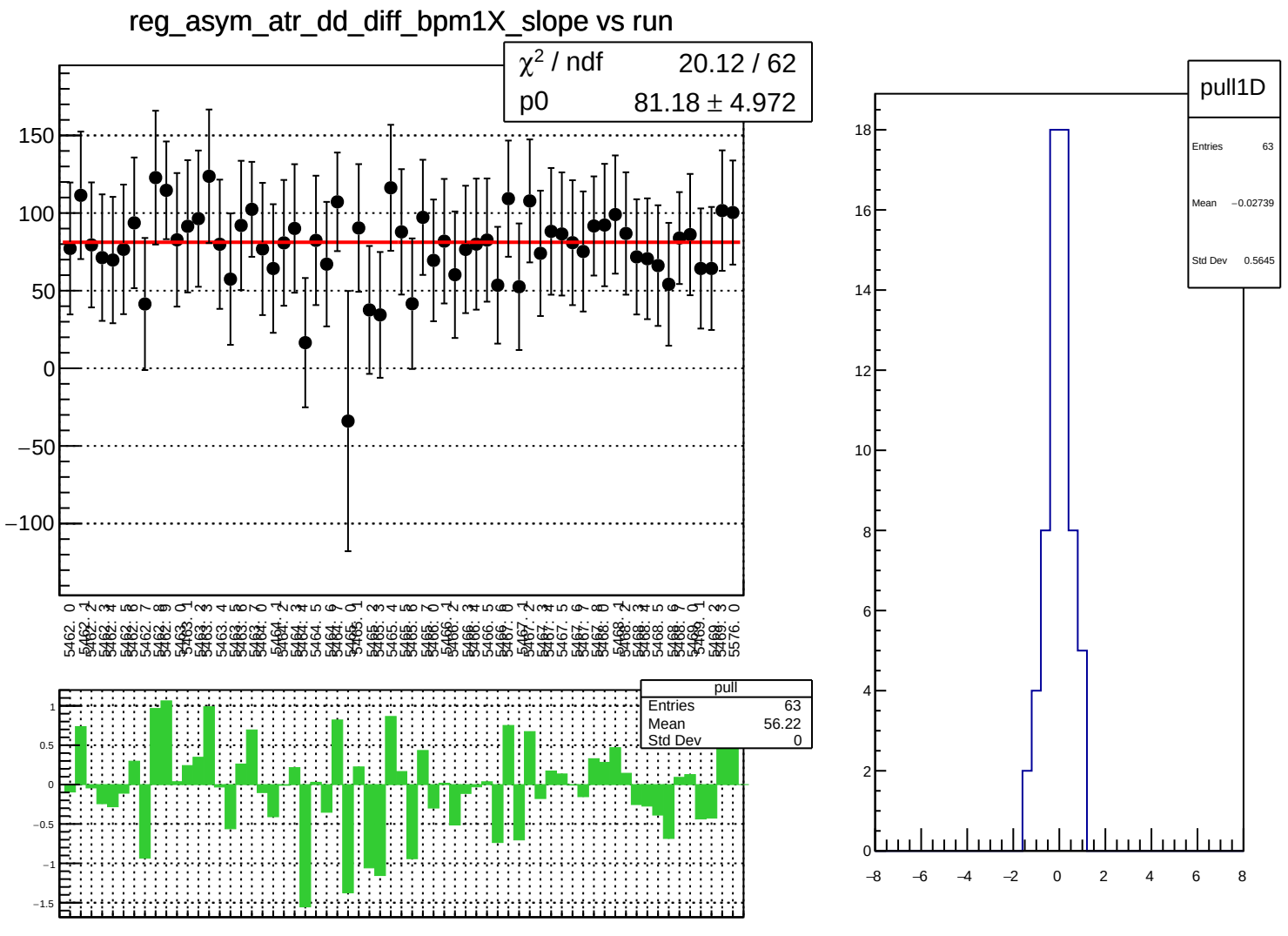

pull1D
Entries 63
Mean 0.01498
Std Dev 0.6157
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

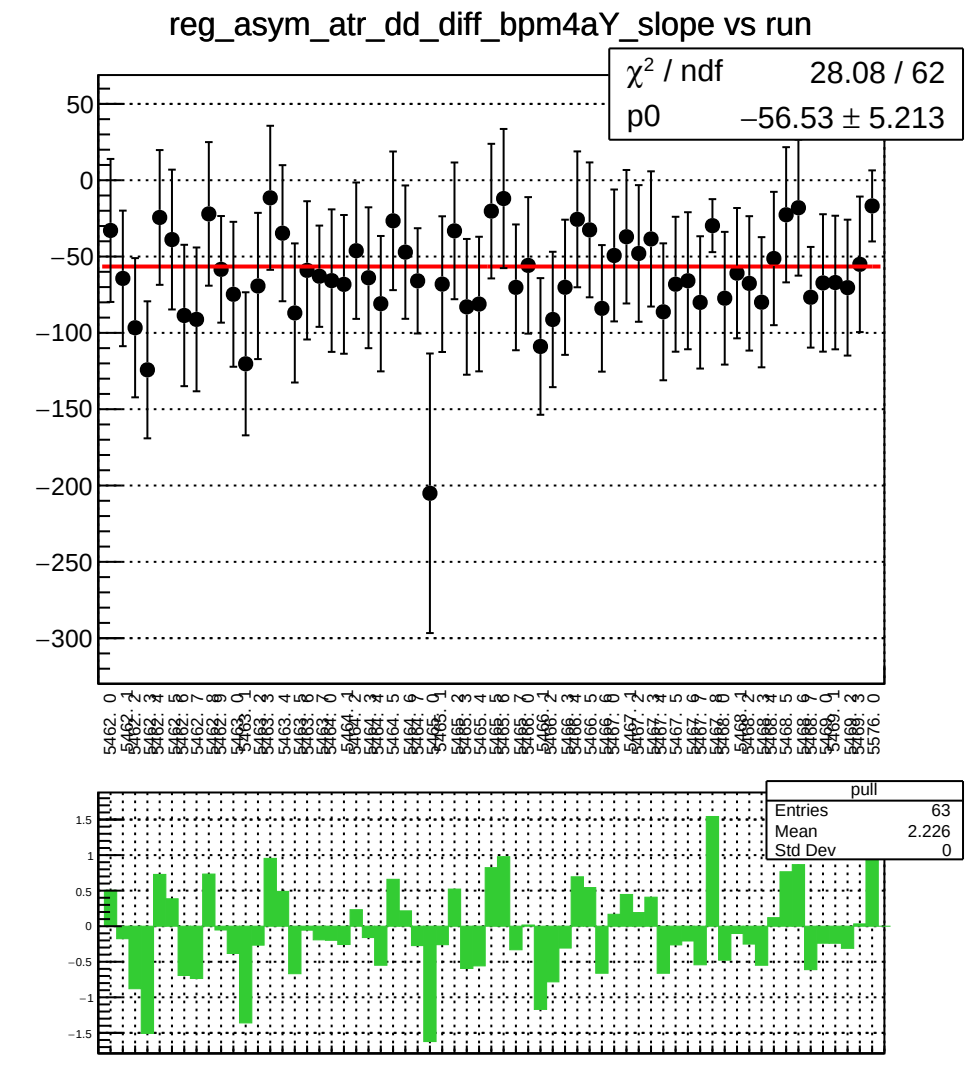

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.2 / 62
p0 −4.721 ± 6.422
pull
Entries 63
Mean −7.693
Std Dev 0

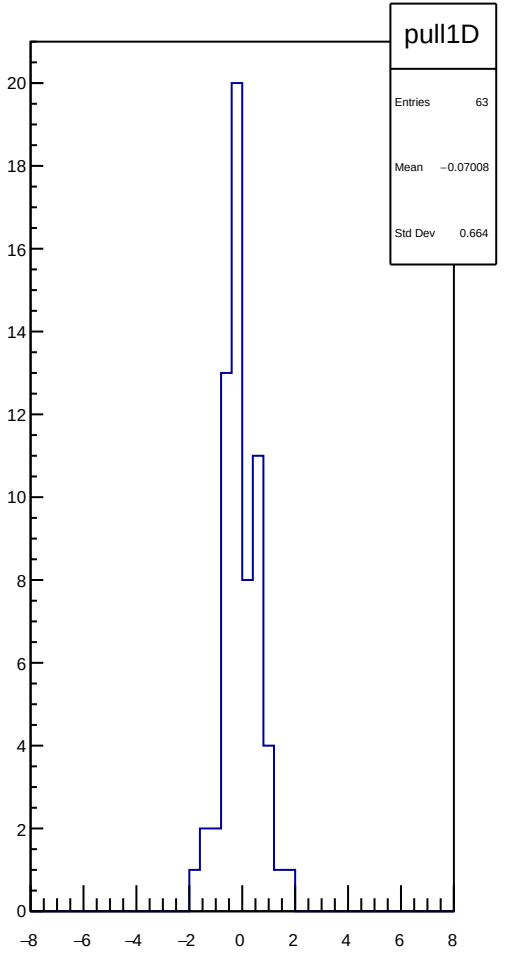

pull1D
Entries 63
Mean −0.01914
Std Dev 0.5372

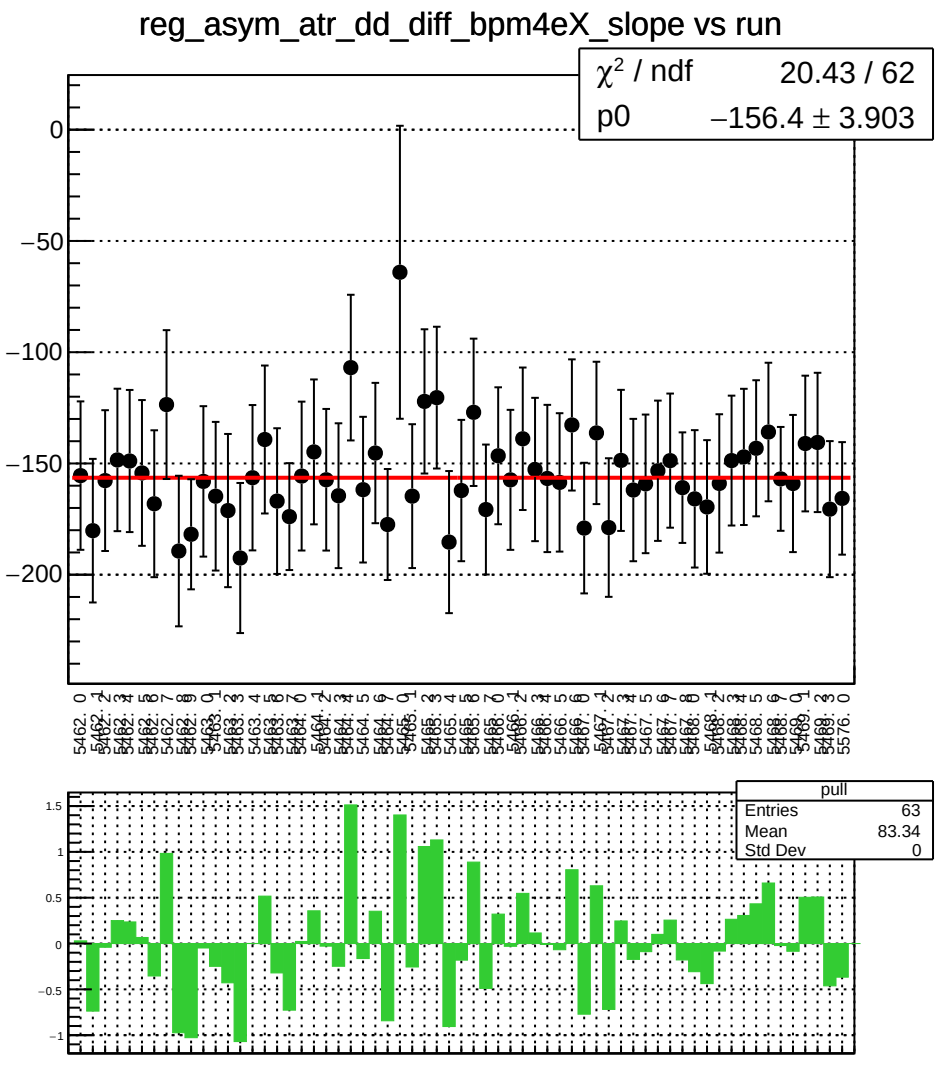

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 1483 / 62
p0 −93.72 ± 0.1703
pull
Entries 63
Mean −183.7
Std Dev 0

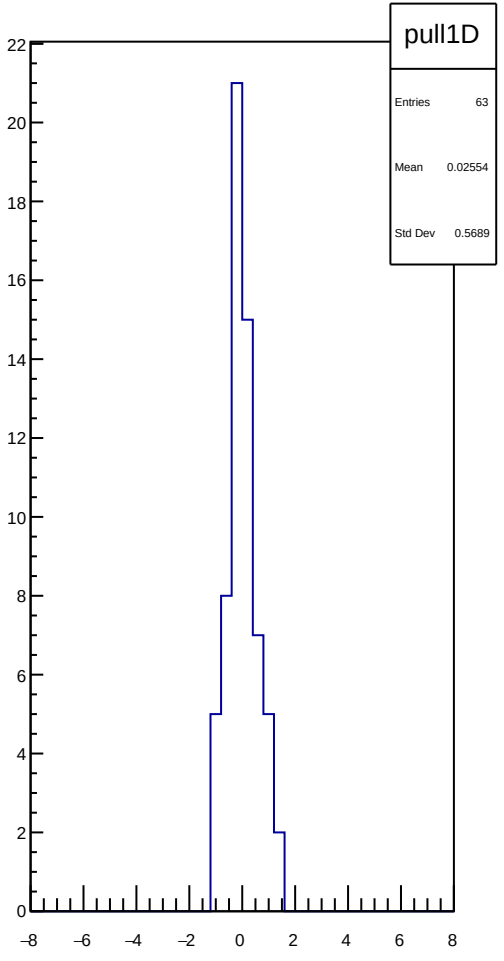

pull1D
Entries 63
Mean −0.9409
Std Dev 3.714

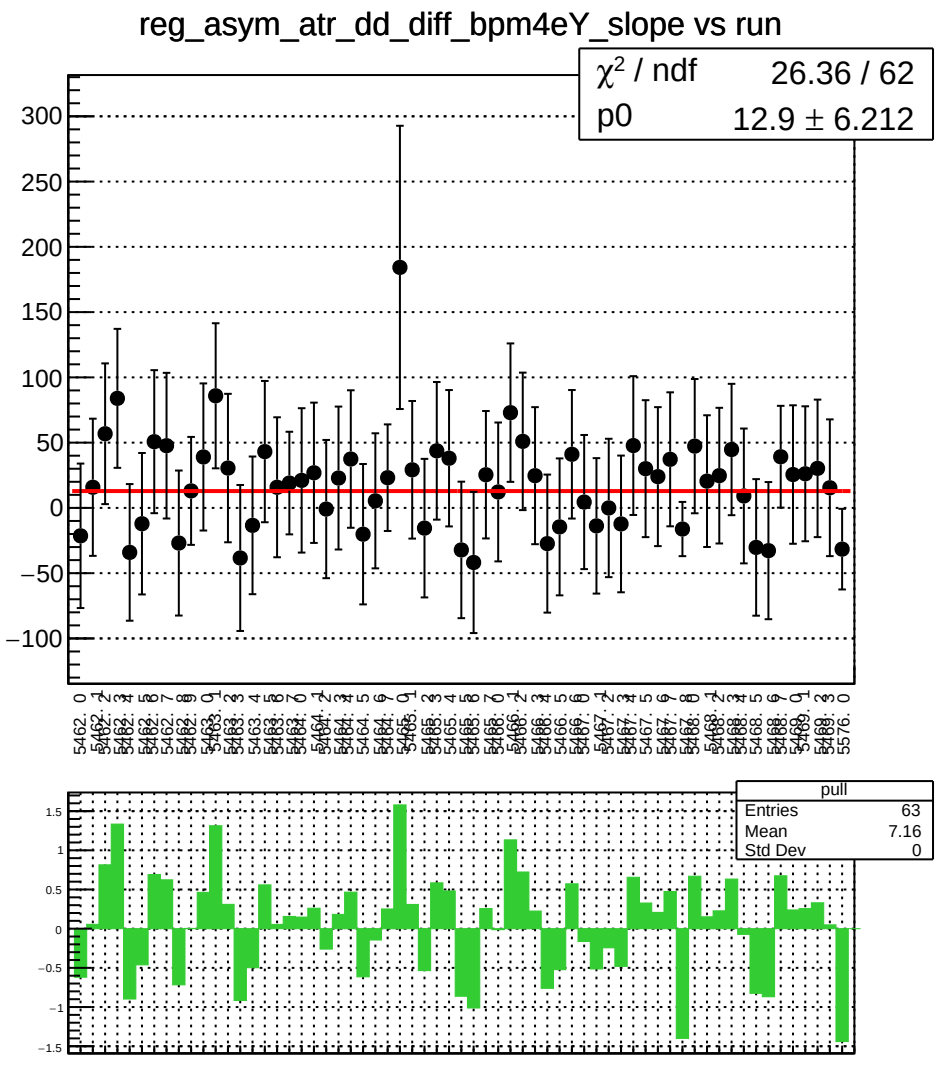

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 20.12 / 62
p0 81.18 ± 4.972
150
100
50
0
−50
−100
pull
Entries 63
Mean 56.22
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 63
Mean −0.02739
Std Dev 0.5645
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

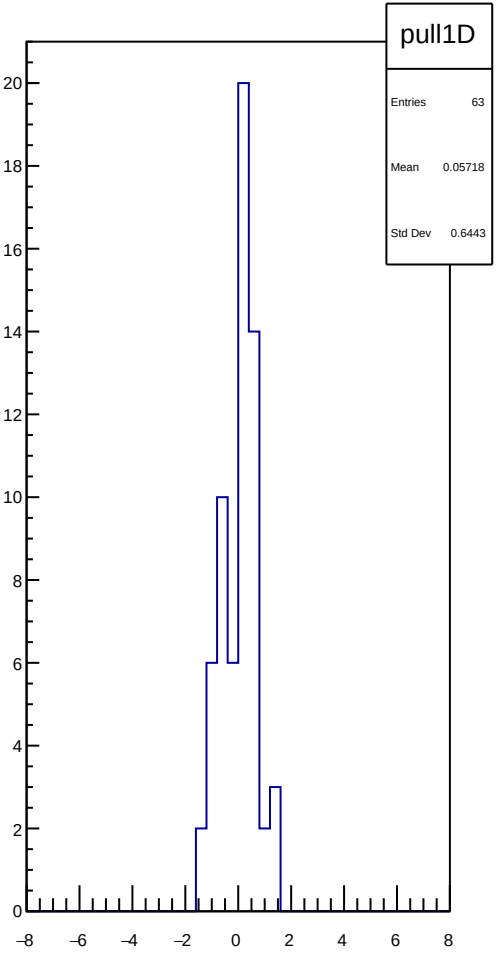

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.08 / 62
p0 −56.53 ± 5.213
pull
Entries 63
Mean 2.226
Std Dev 0

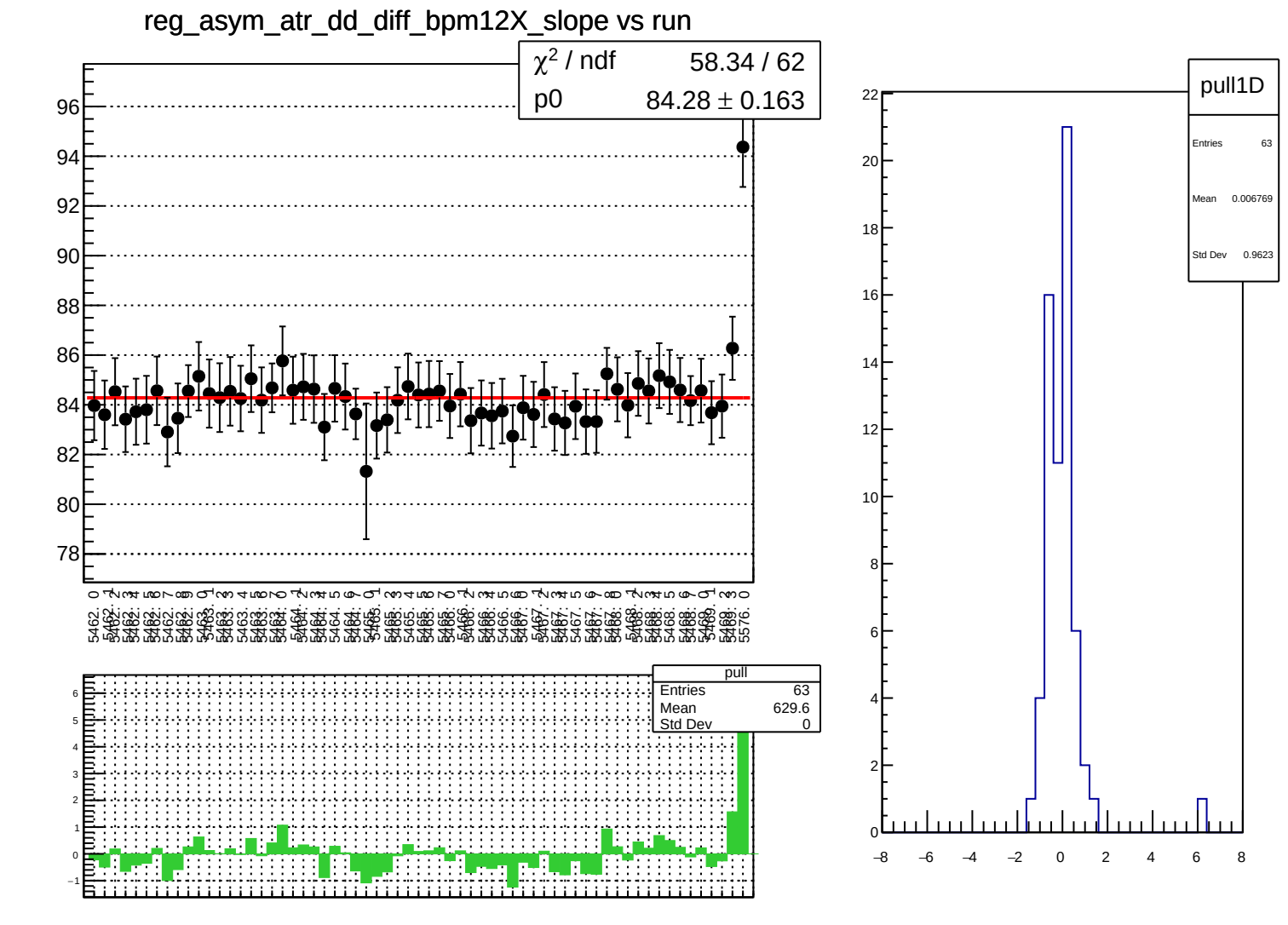

pull1D
Entries 63
Mean −0.07008
Std Dev 0.664

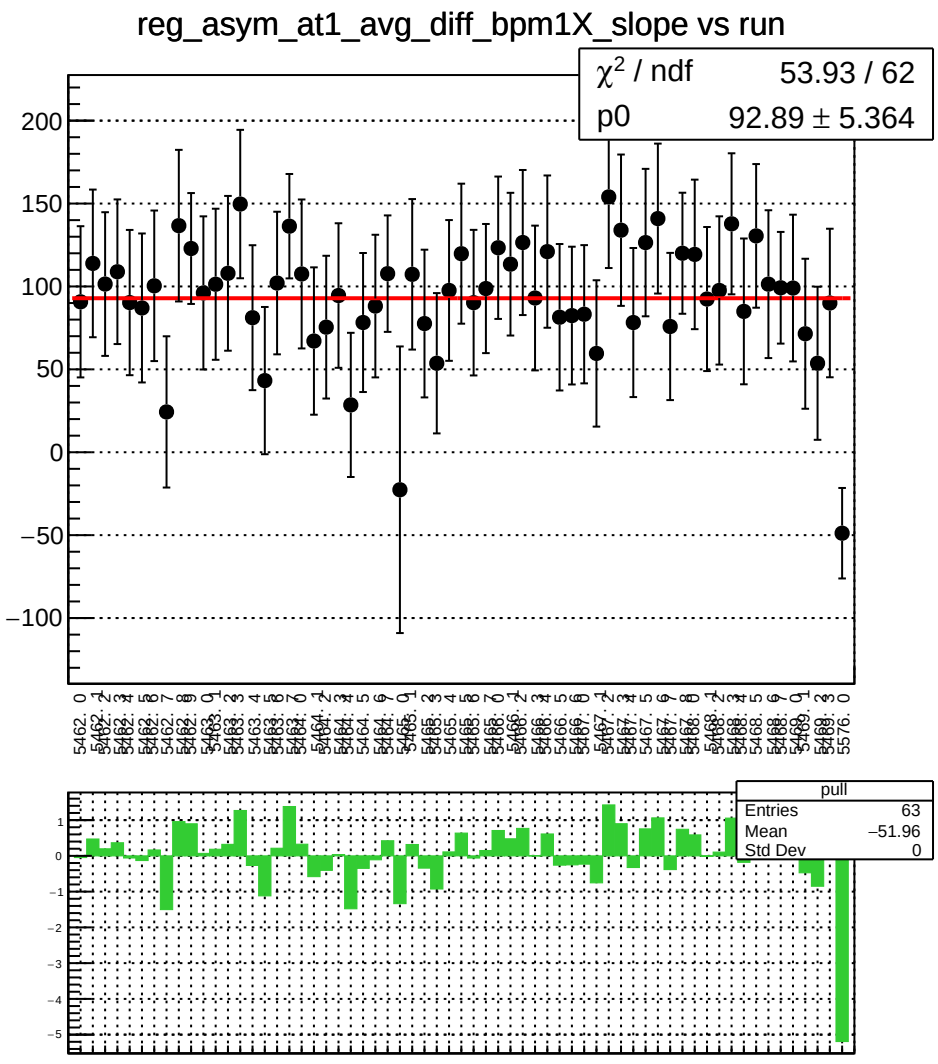

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.43 / 62
p0 −156.4 ± 3.903
pull
Entries 63
Mean 83.34
Std Dev 0

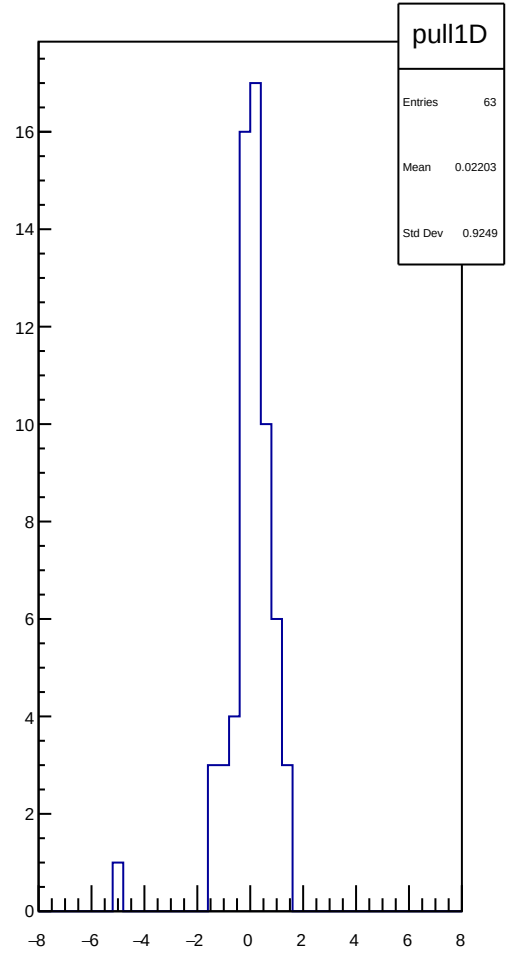

pull1D
Entries 63
Mean 0.02554
Std Dev 0.5689

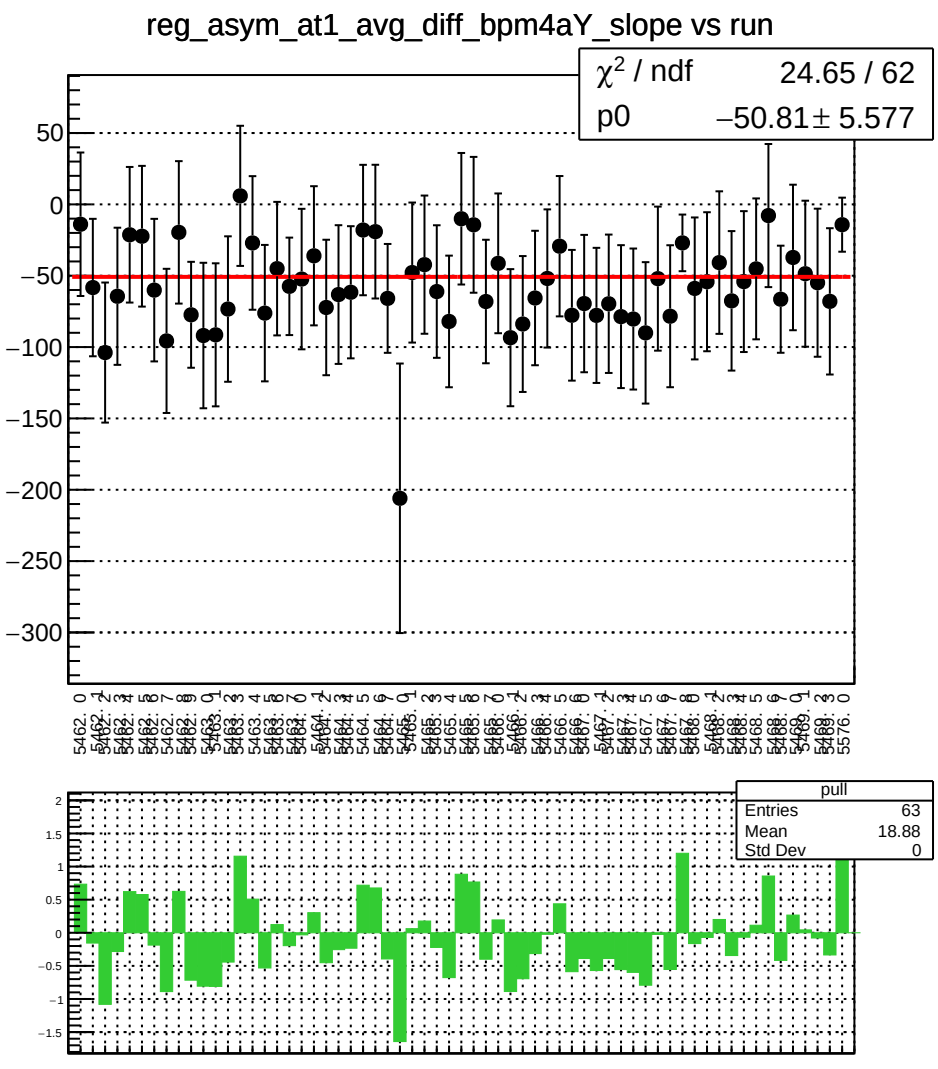

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.36 / 62
p0 12.9 ± 6.212
pull
Entries 63
Mean 7.16
Std Dev 0

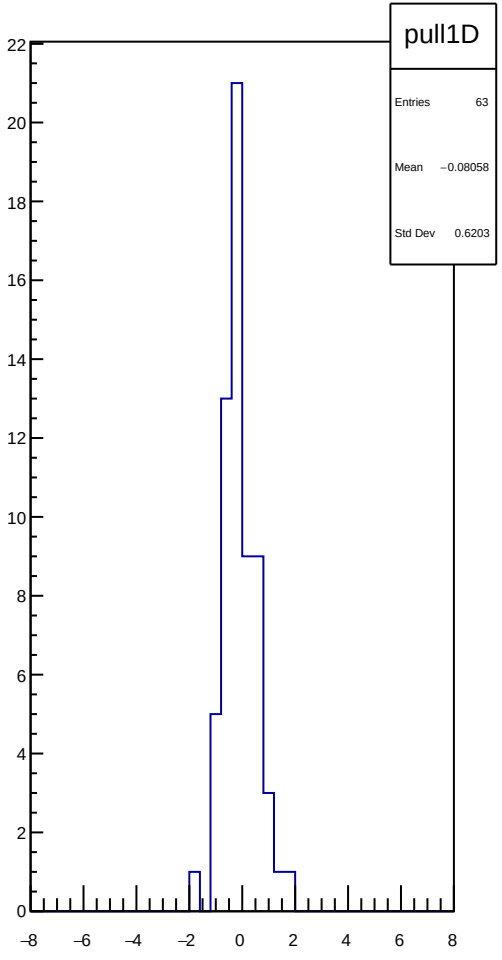

pull1D
Entries 63
Mean 0.05718
Std Dev 0.6443

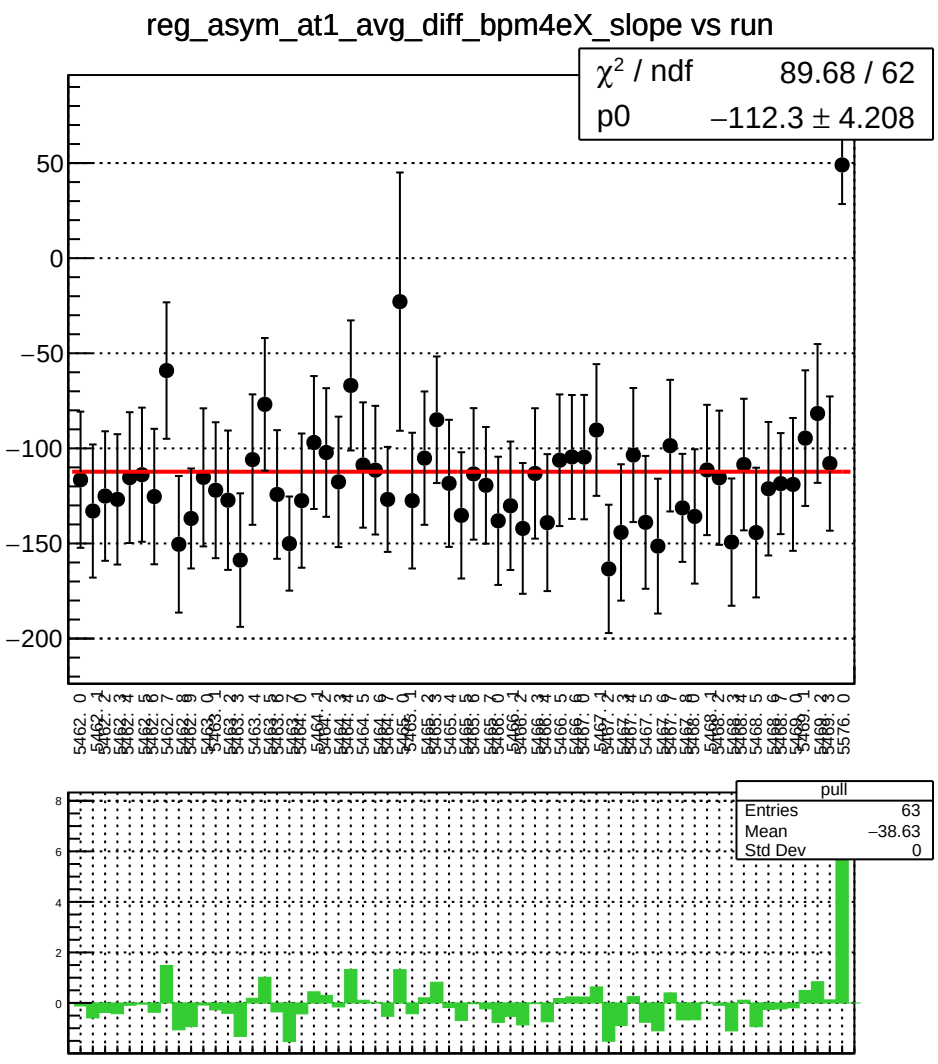

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 58.34 / 62
p0 84.28 ± 0.163
pull
Entries 63
Mean 629.6
Std Dev 0
pull1D
Entries 63
Mean 0.006769
Std Dev 0.9623

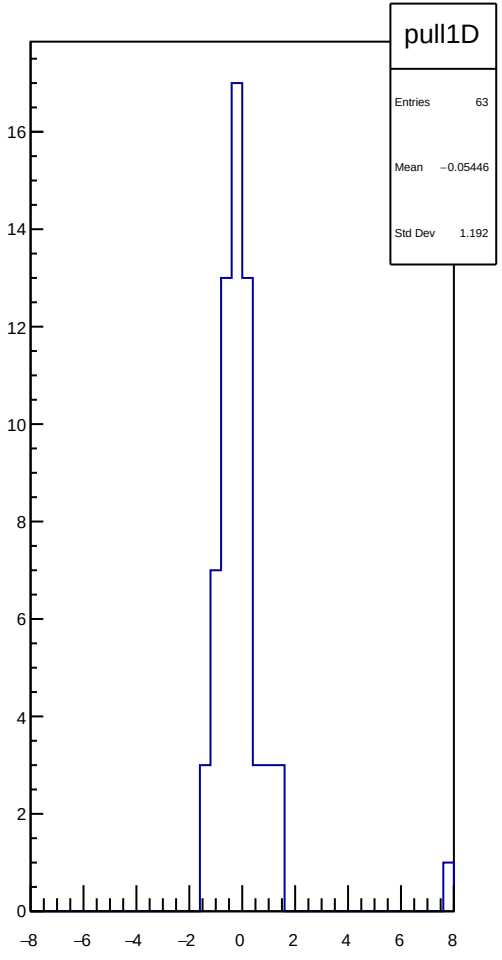

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 53.93 / 62
p0 92.89 ± 5.364
pull
Entries 63
Mean −51.96
Std Dev 0

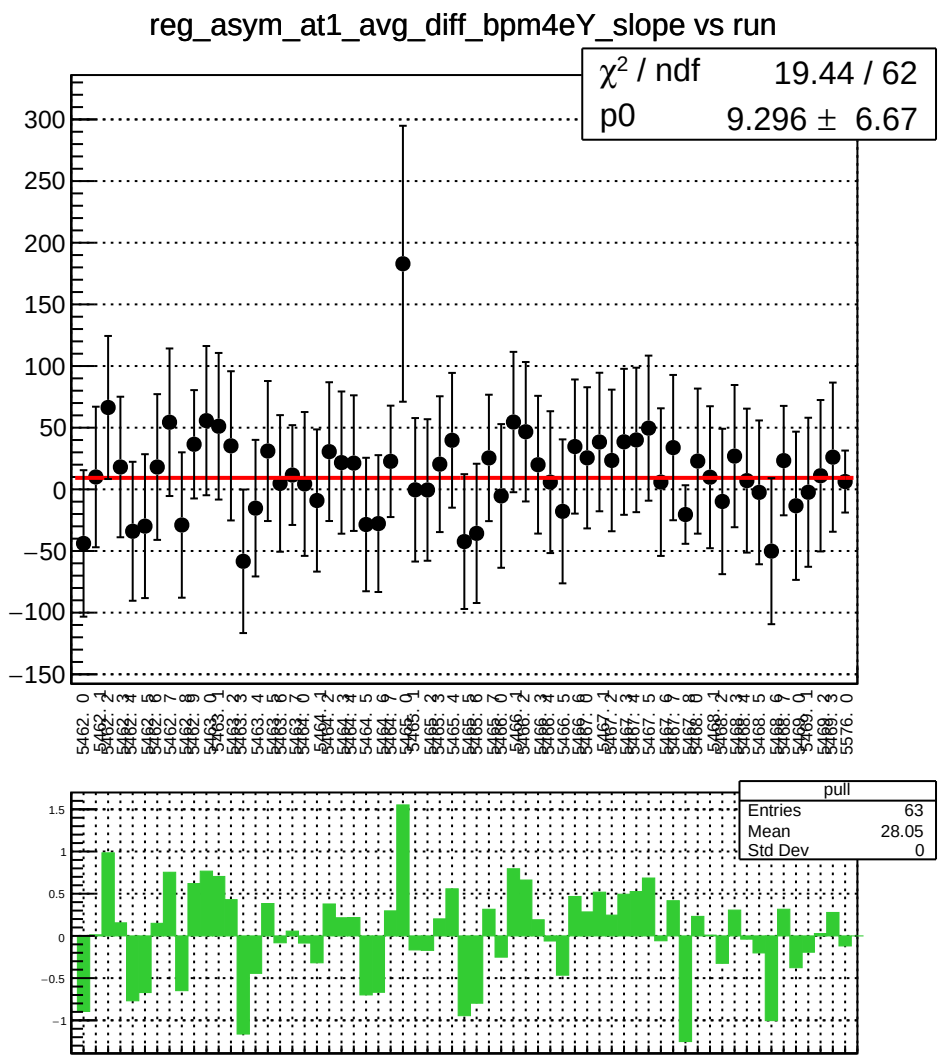

pull1D
Entries 63
Mean 0.02203
Std Dev 0.9249

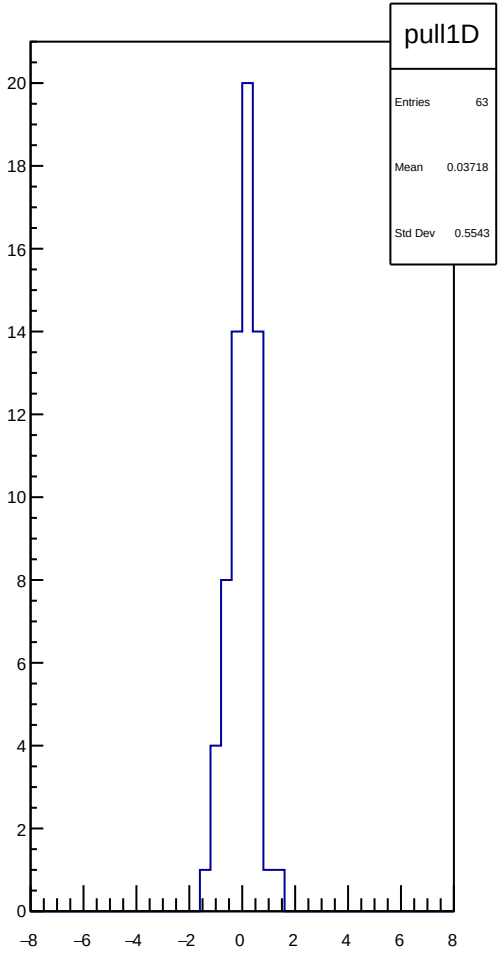

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.65 / 62
p0 −50.81 ± 5.577
pull
Entries 63
Mean 18.88
Std Dev 0

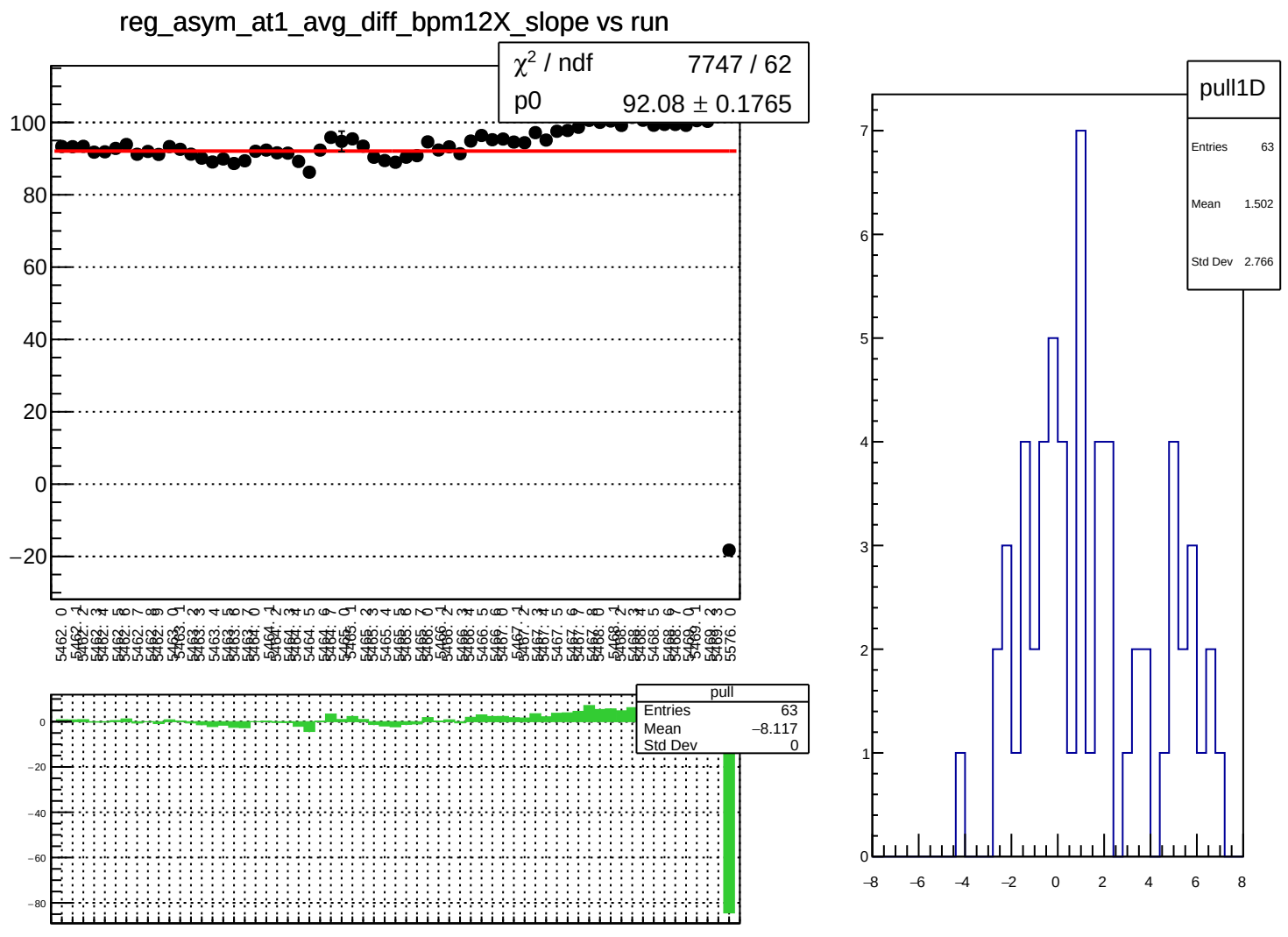

pull1D
Entries 63
Mean −0.08058
Std Dev 0.6203

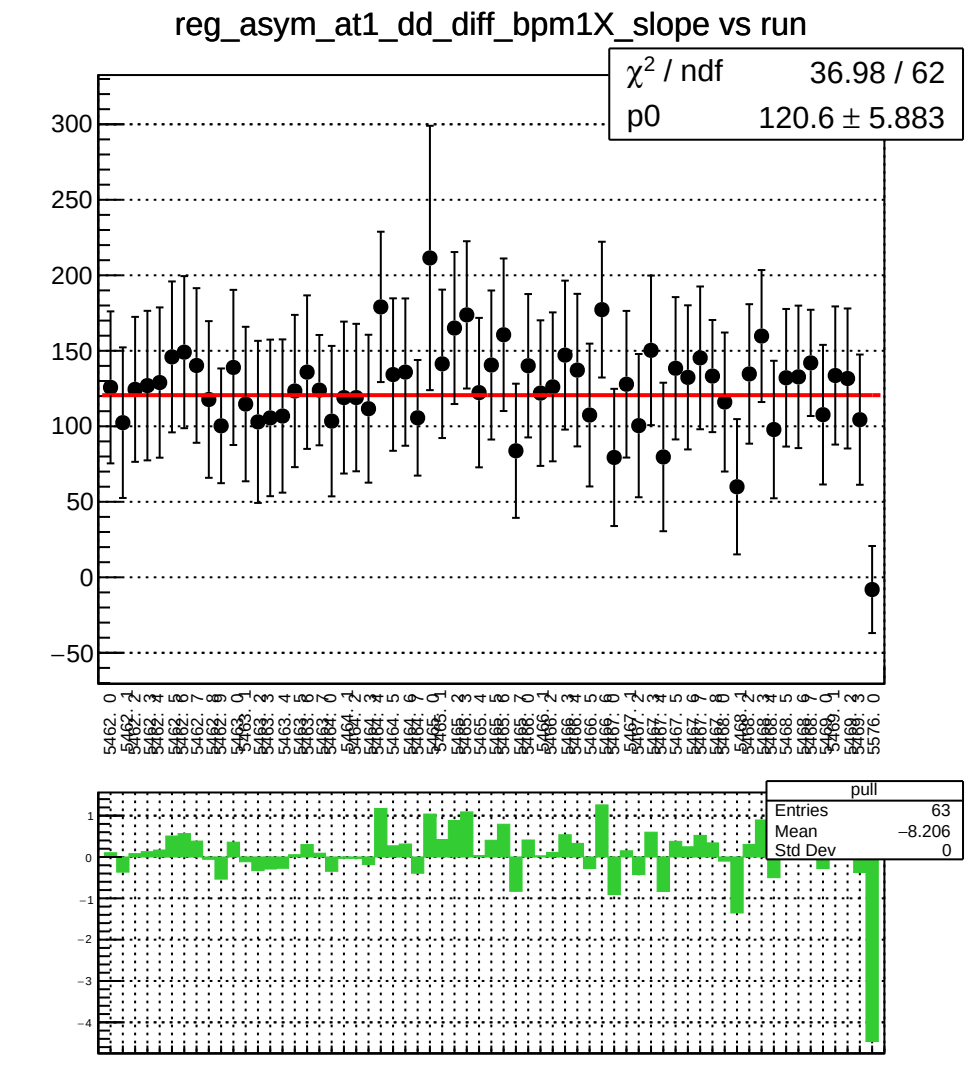

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.68 / 62
p0 −112.3 ± 4.208
pull
Entries 63
Mean −38.63
Std Dev 0

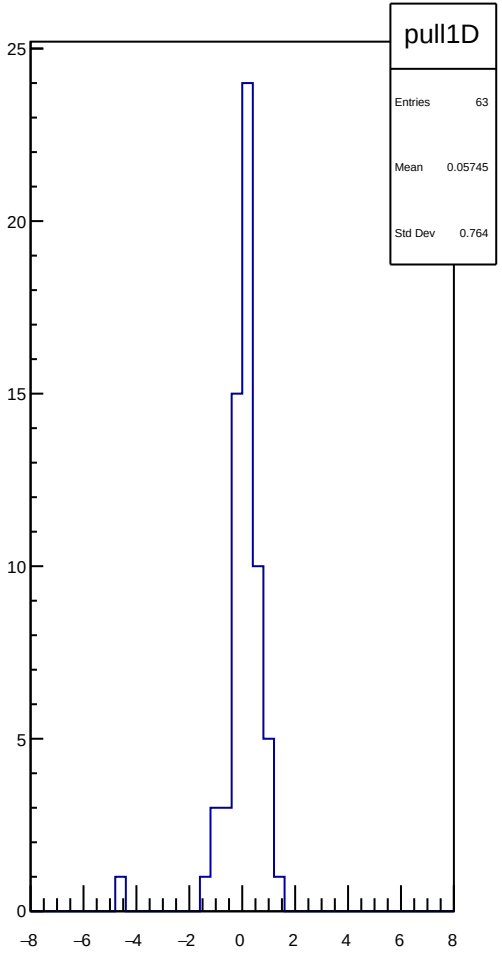

pull1D
Entries 63
Mean −0.05446
Std Dev 1.192

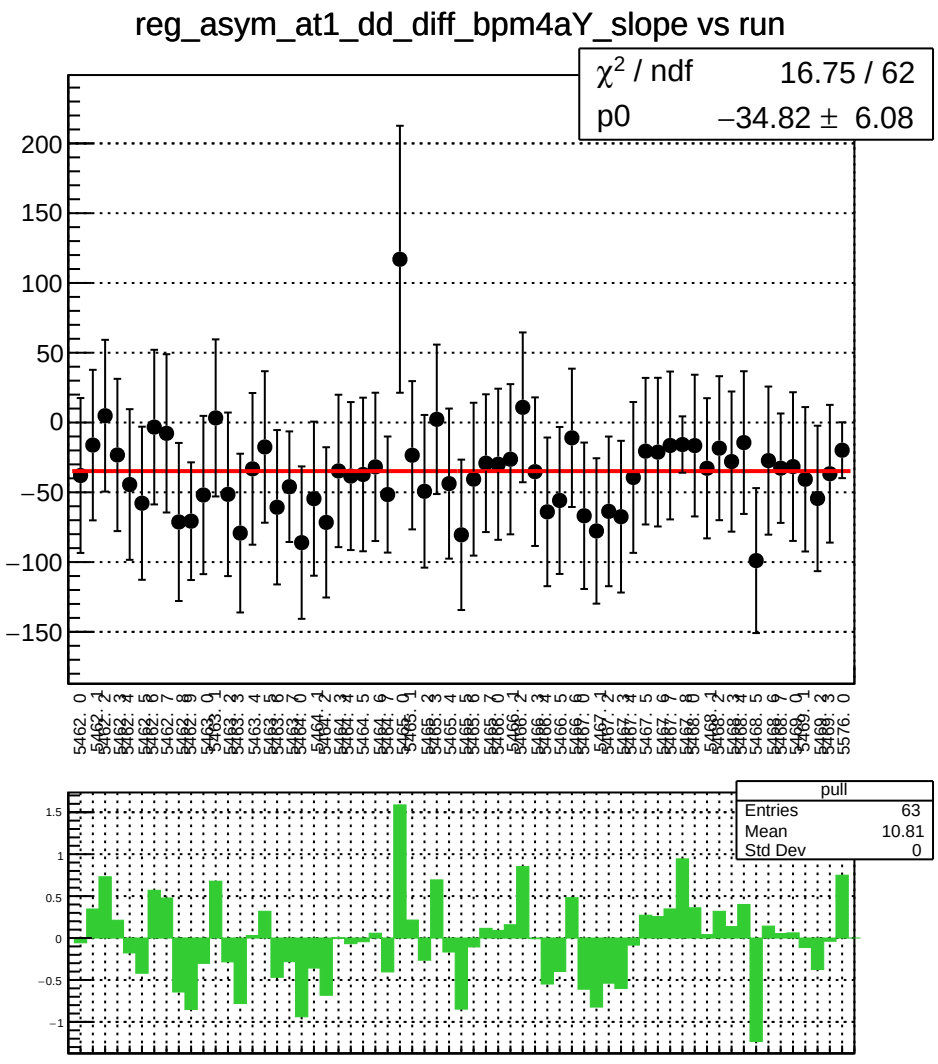

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.44 / 62
p0 9.296 ± 6.67
pull
Entries 63
Mean 28.05
Std Dev 0

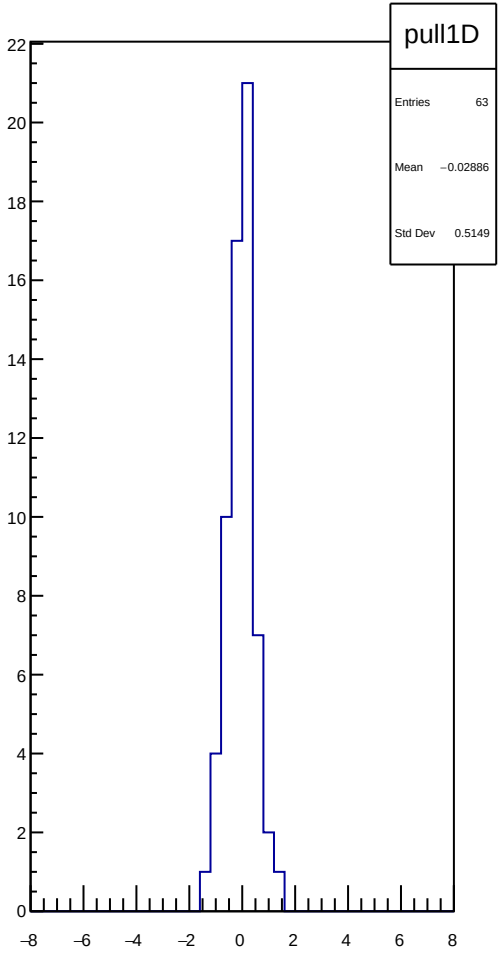

pull1D
Entries 63
Mean 0.03718
Std Dev 0.5543

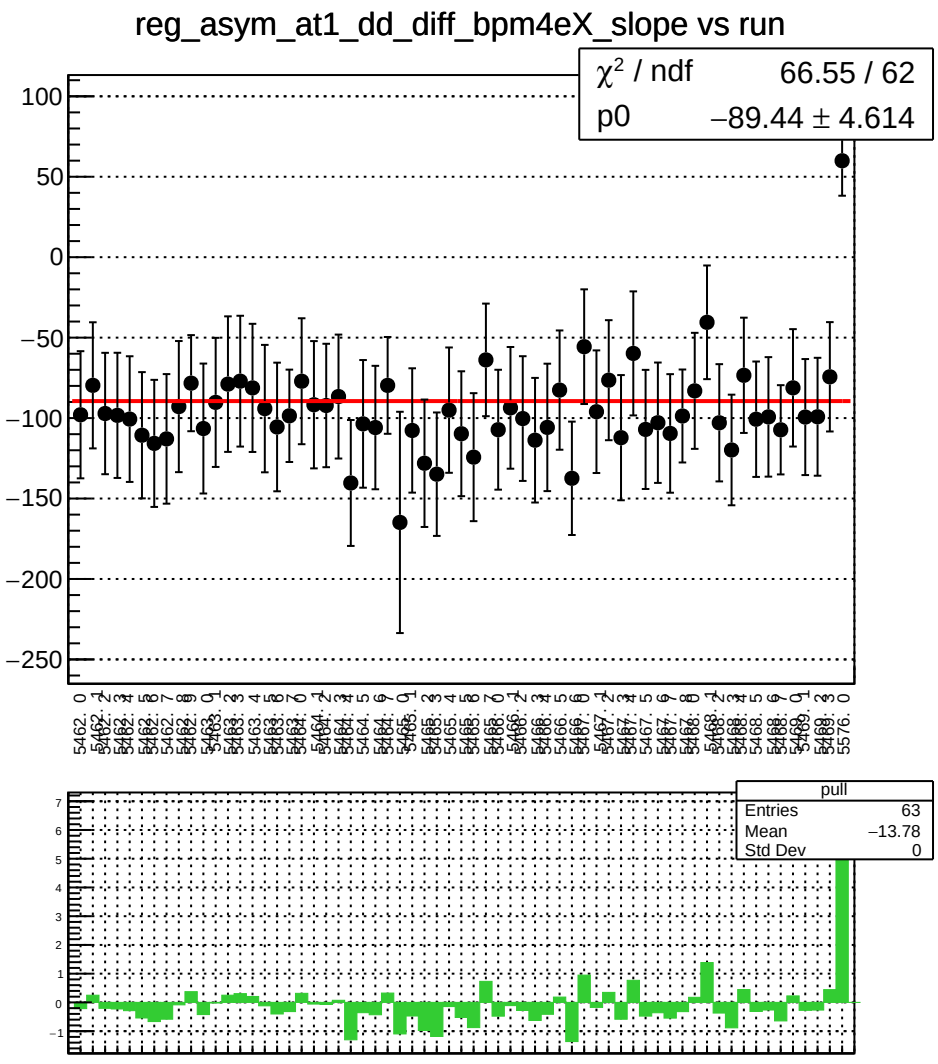

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 7747 / 62
p0 92.08 ± 0.1765
pull
Entries 63
Mean −8.117
Std Dev 0
pull1D
Entries 63
Mean 1.502
Std Dev 2.766

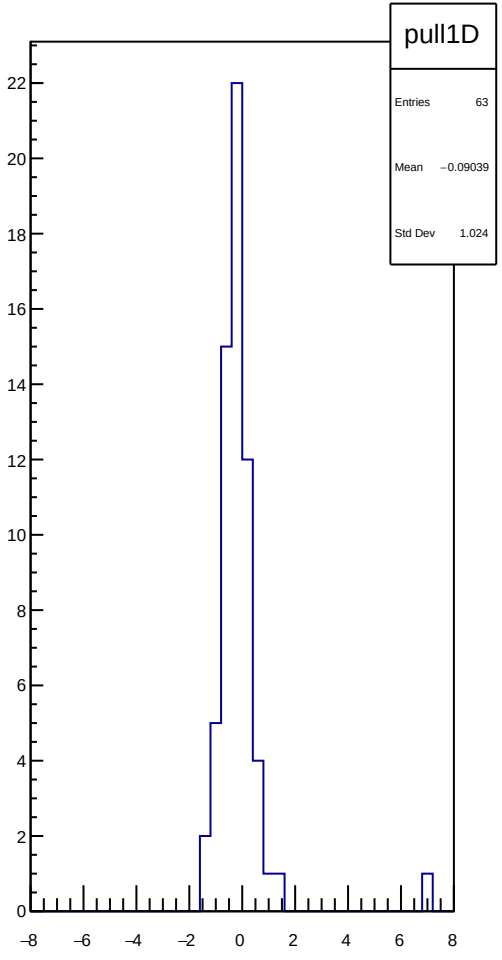

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 36.98 / 62
p0 120.6 ± 5.883
pull
Entries 63
Mean −8.206
Std Dev 0

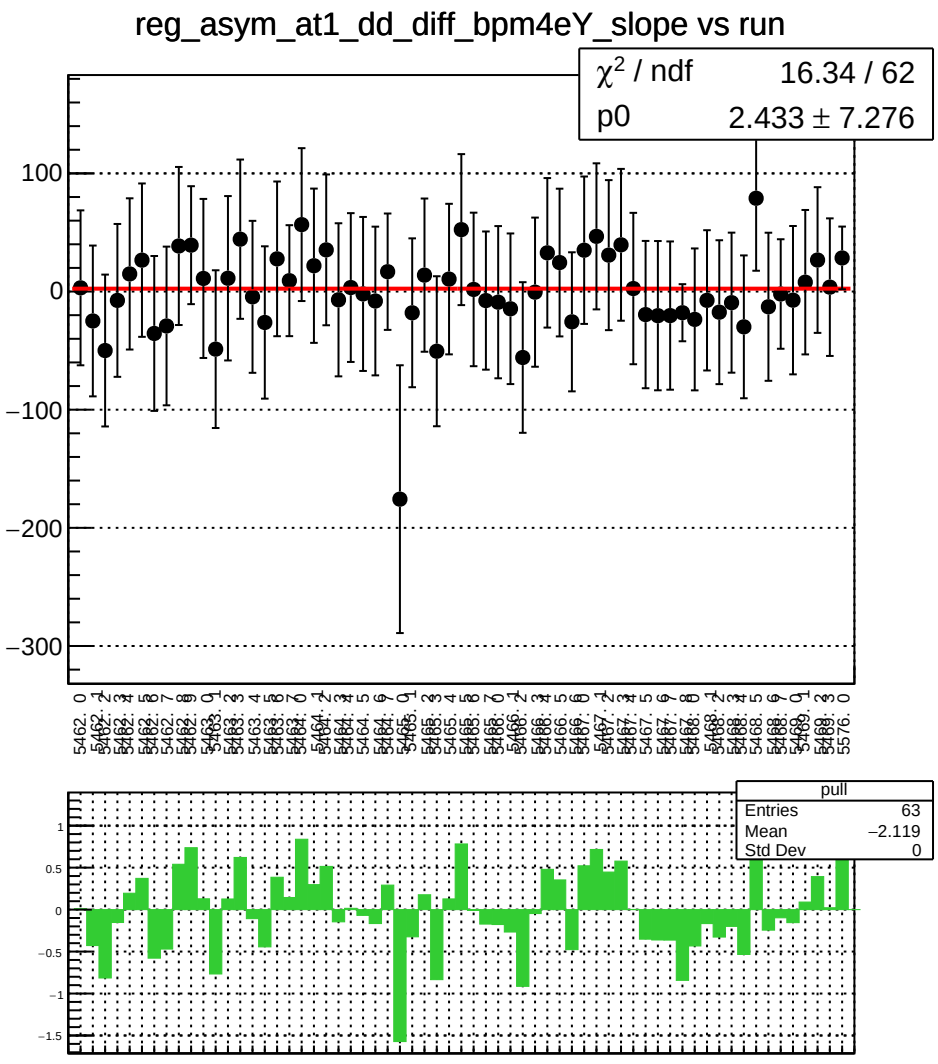

pull1D
Entries 63
Mean 0.05745
Std Dev 0.764

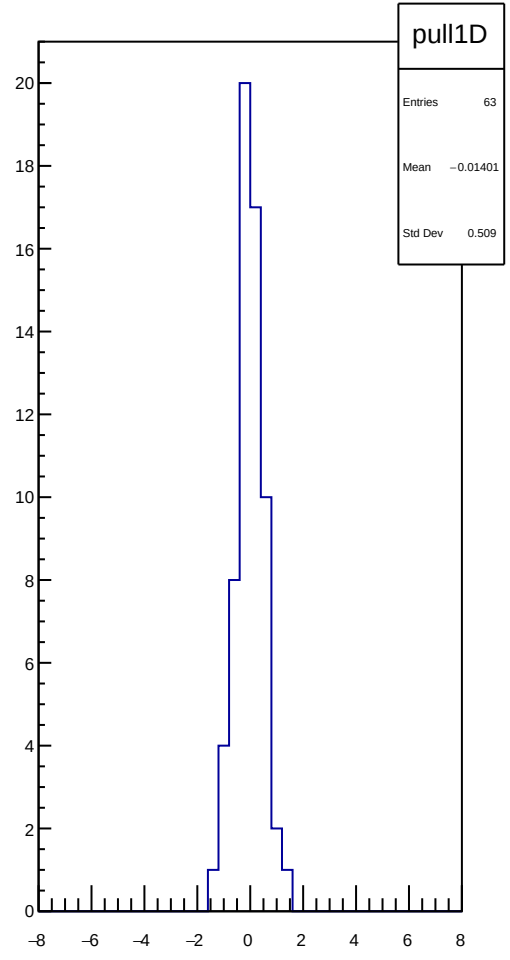

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 62
p0 −34.82 ± 6.08
pull
Entries 63
Mean 10.81
Std Dev 0

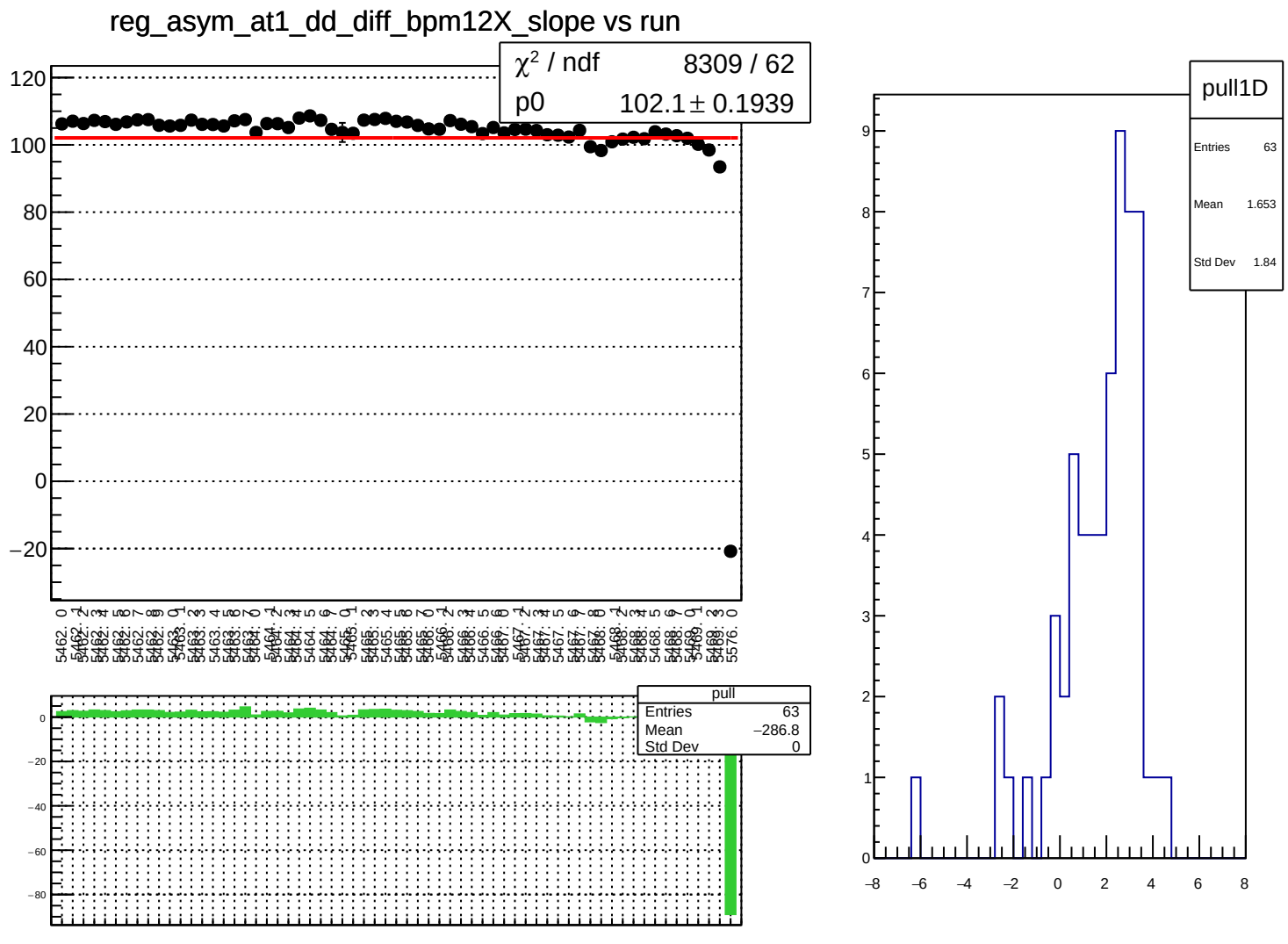

pull1D
Entries 63
Mean −0.02886
Std Dev 0.5149

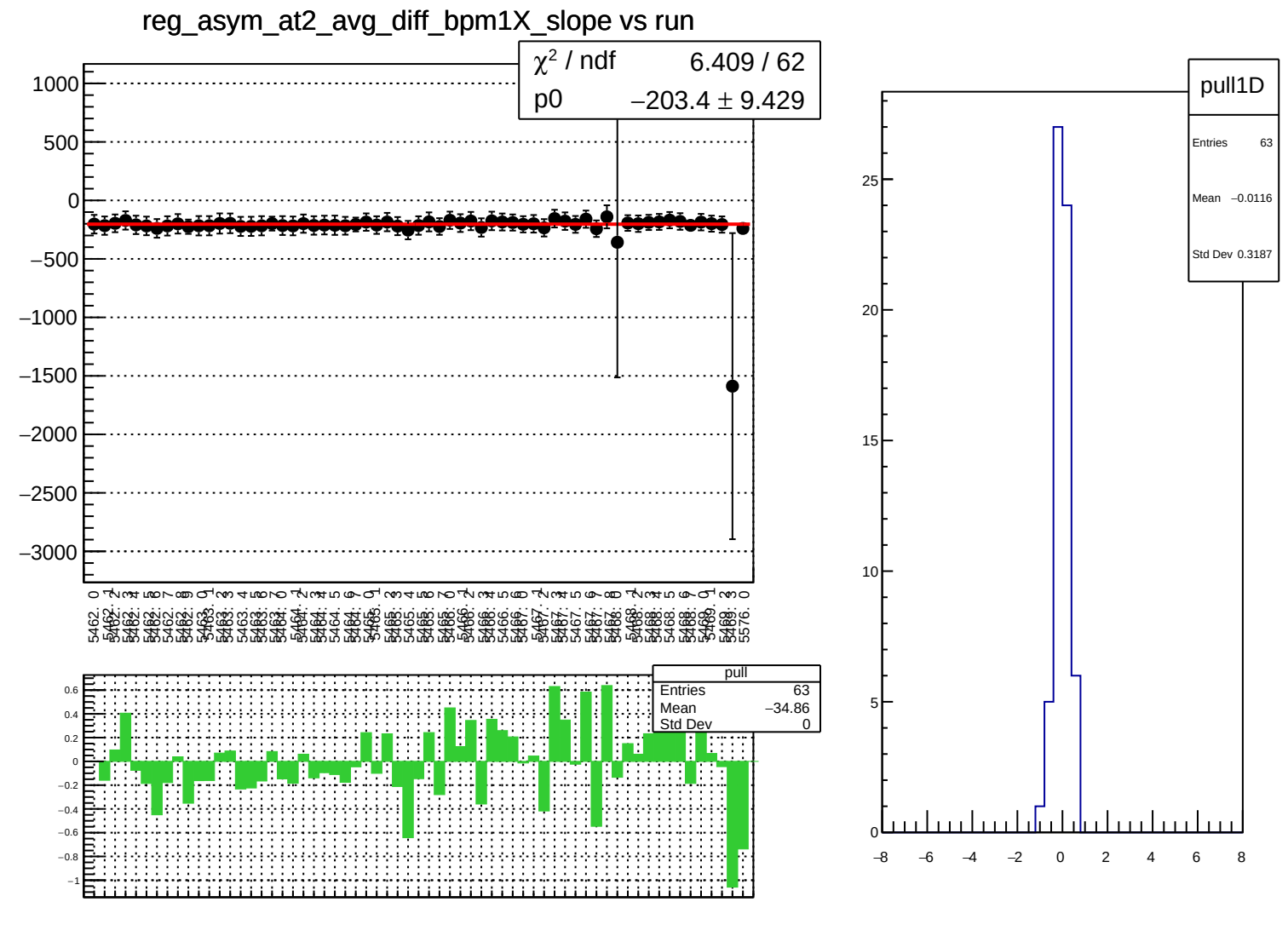

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.55 / 62
p0 −89.44 ± 4.614
pull
Entries 63
Mean −13.78
Std Dev 0

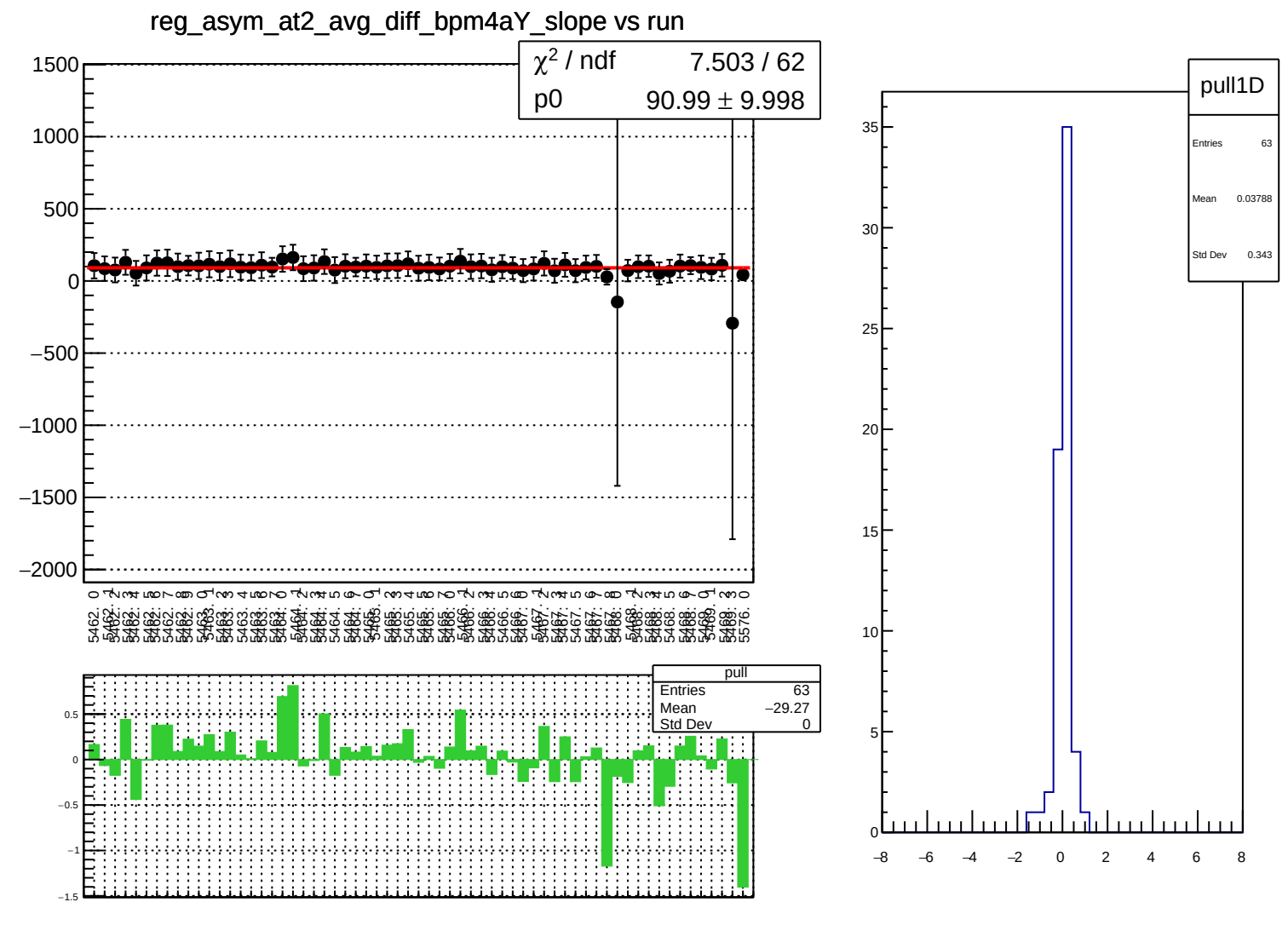

pull1D
Entries 63
Mean −0.09039
Std Dev 1.024

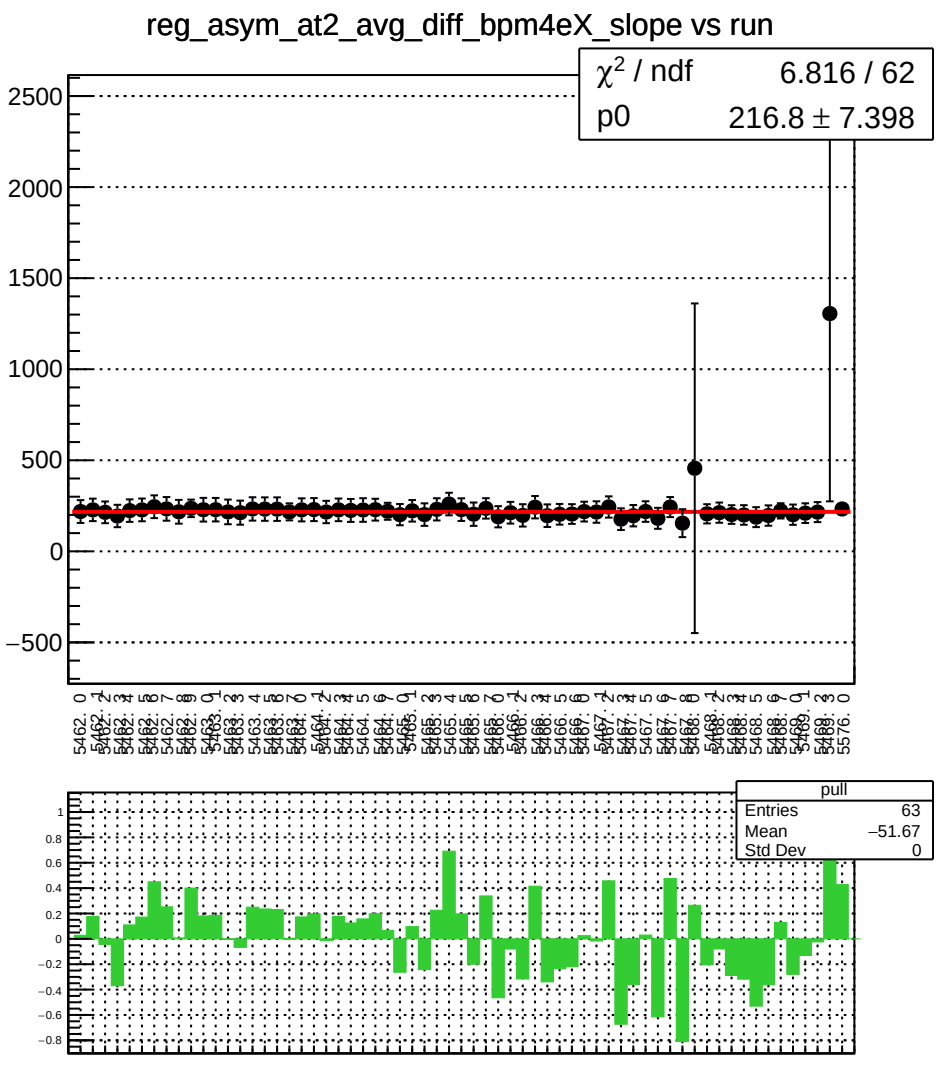

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.34 / 62
p0 2.433 ± 7.276
100
0
−100
−200
−300
pull
Entries 63
Mean −2.119
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

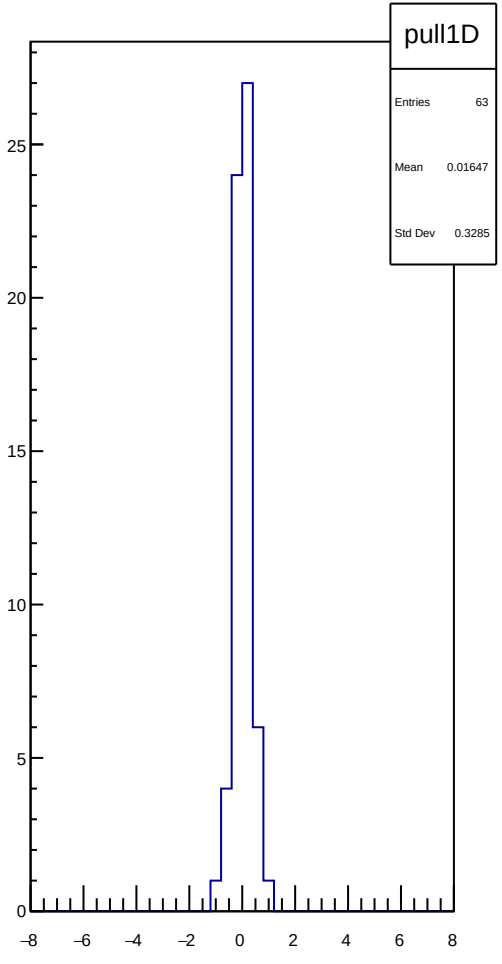

pull1D
Entries 63
Mean −0.01401
Std Dev 0.509
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

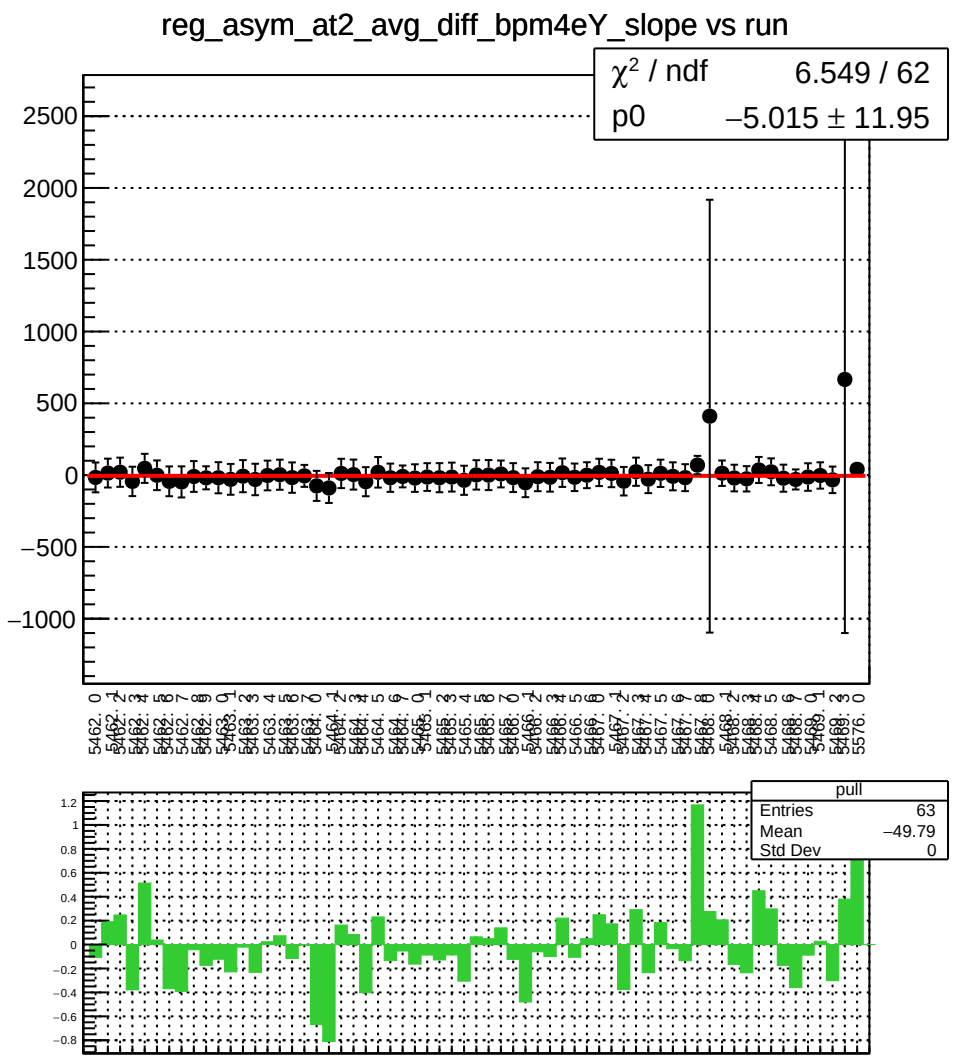

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 8309 / 62
p0 102.1 ± 0.1939
pull
Entries 63
Mean −286.8
Std Dev 0
pull1D
Entries 63
Mean 1.653
Std Dev 1.84

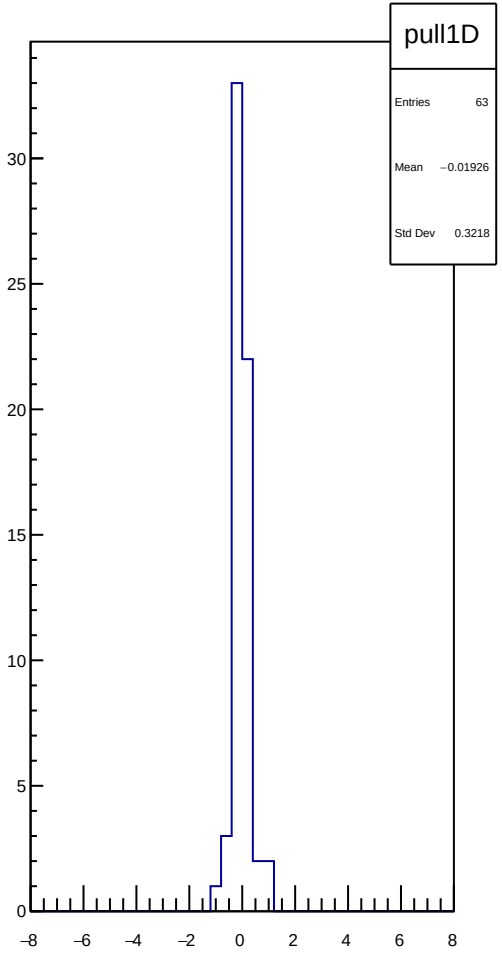

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.409 / 62
p0 −203.4 ± 9.429
pull
Entries 63
Mean −34.86
Std Dev 0
pull1D
Entries 63
Mean −0.0116
Std Dev 0.3187

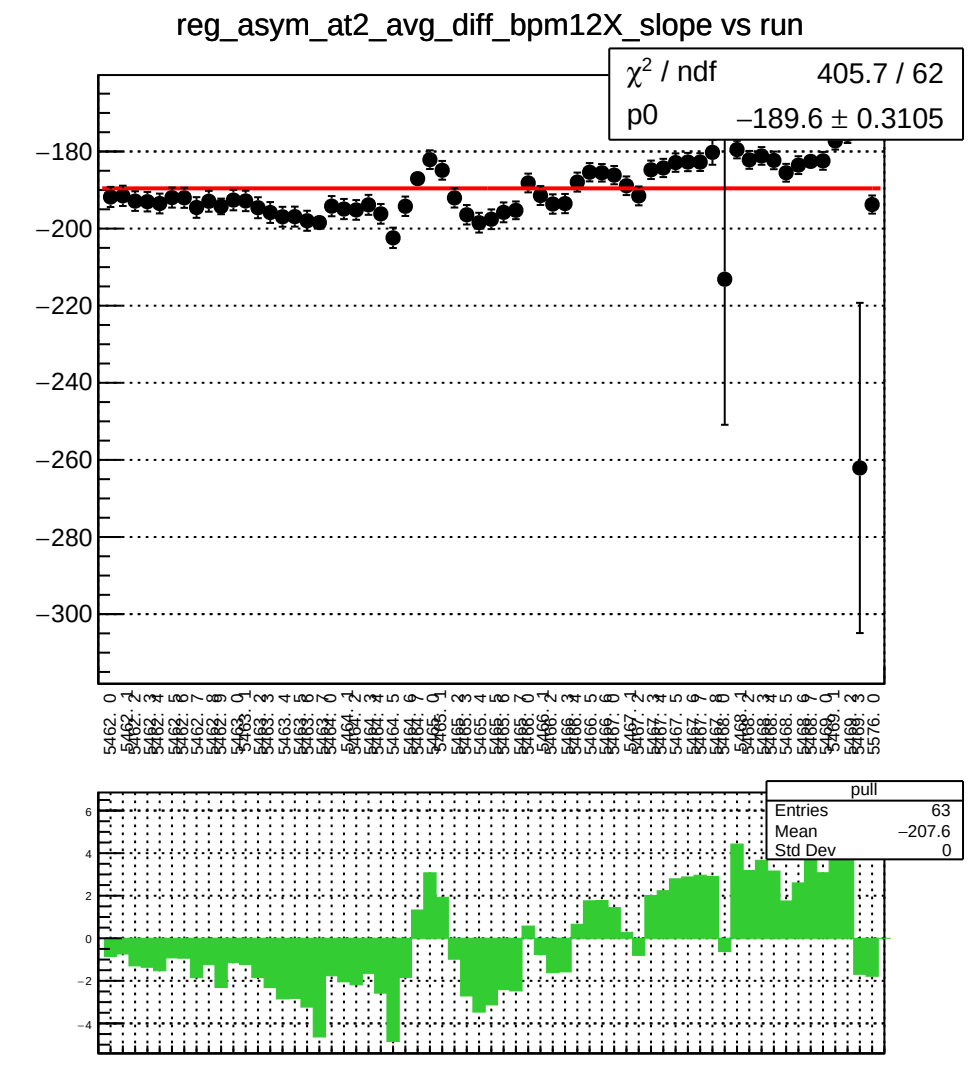

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.503 / 62
p0 90.99 ± 9.998
pull
Entries 63
Mean −29.27
Std Dev 0
pull1D
Entries 63
Mean 0.03788
Std Dev 0.343

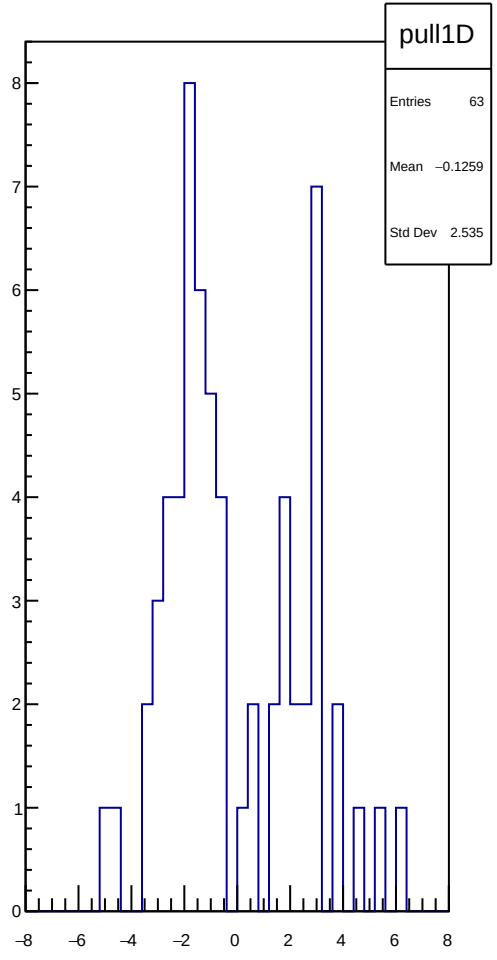

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.816 / 62
p0 216.8 ± 7.398
pull
Entries 63
Mean −51.67
Std Dev 0

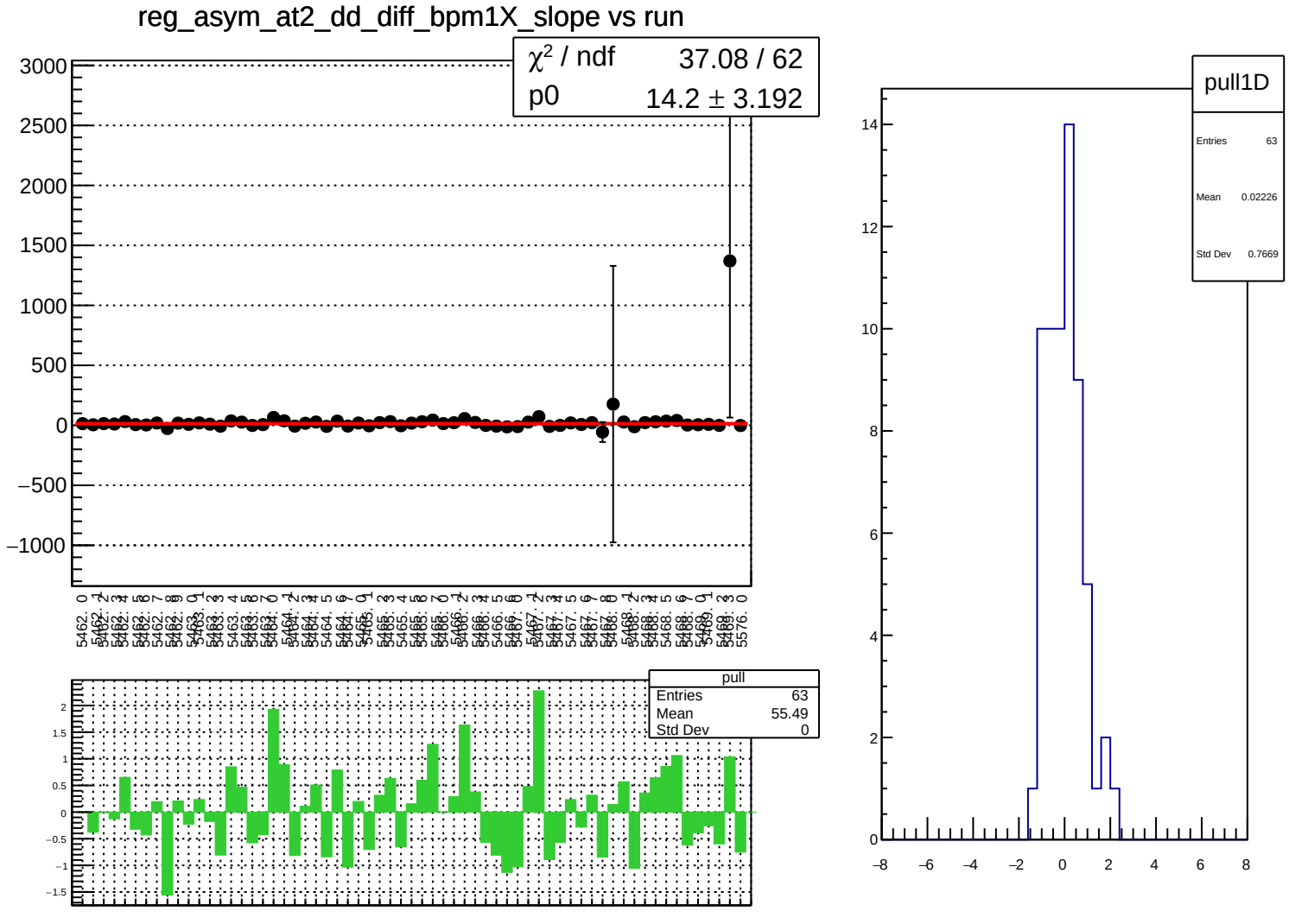

pull1D
Entries 63
Mean 0.01647
Std Dev 0.3285

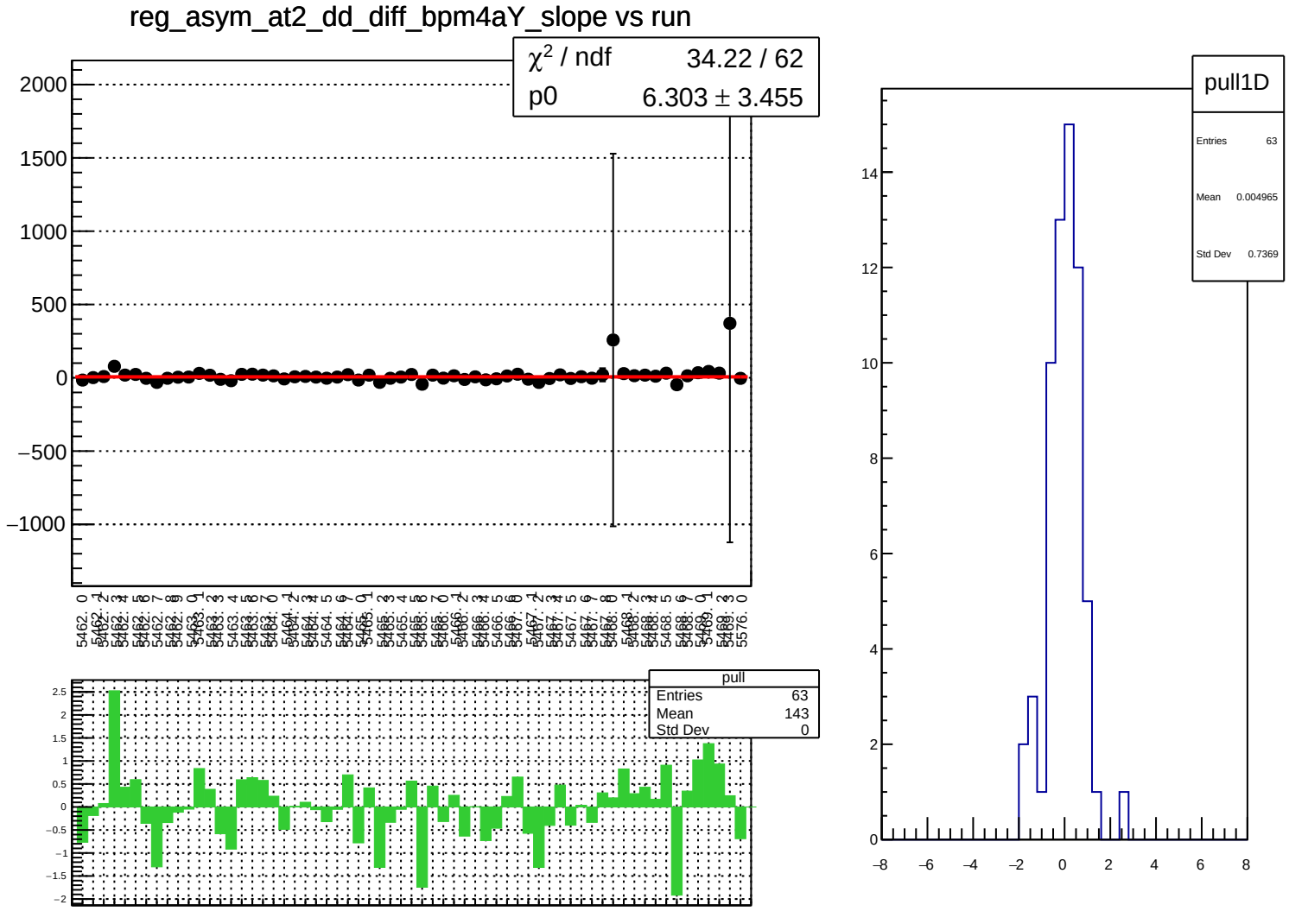

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.549 / 62
p0 −5.015 ± 11.95
pull
Entries 63
Mean −49.79
Std Dev 0

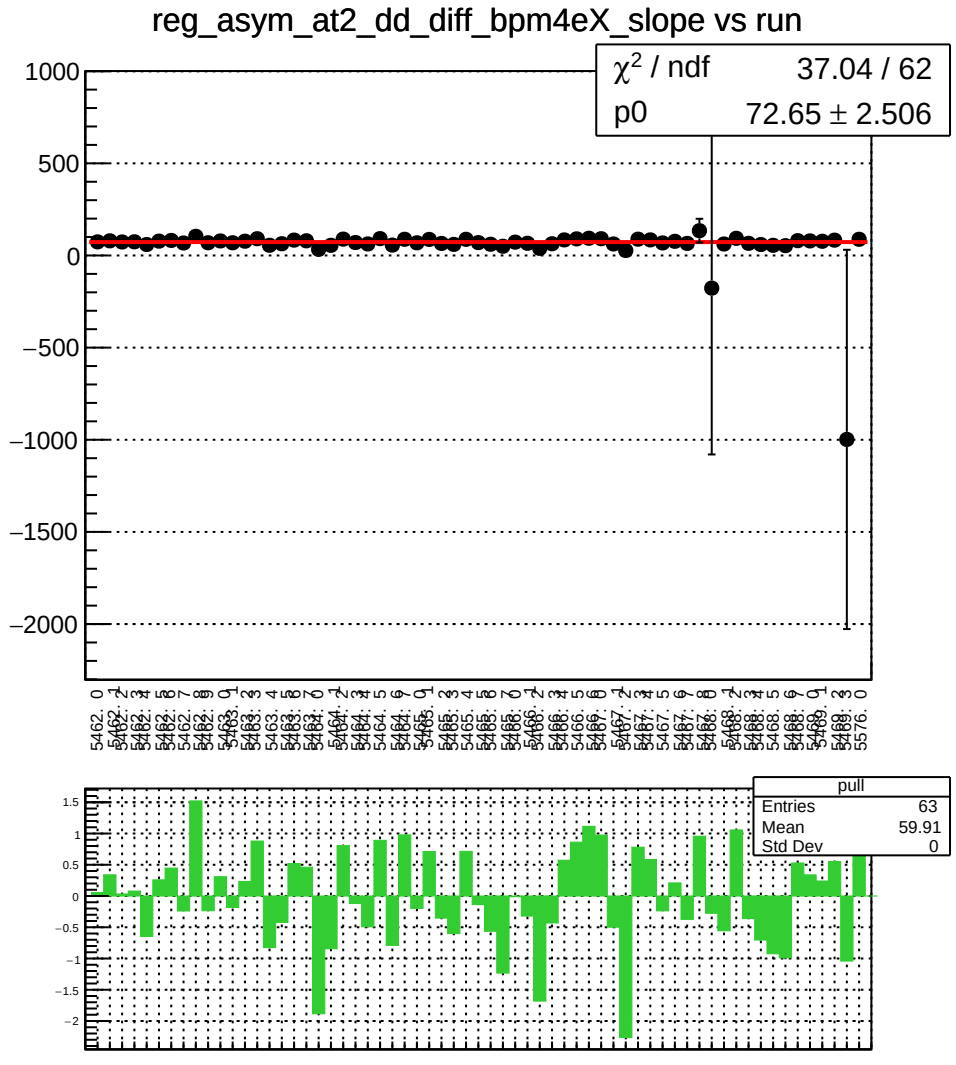

pull1D
Entries 63
Mean −0.01926
Std Dev 0.3218

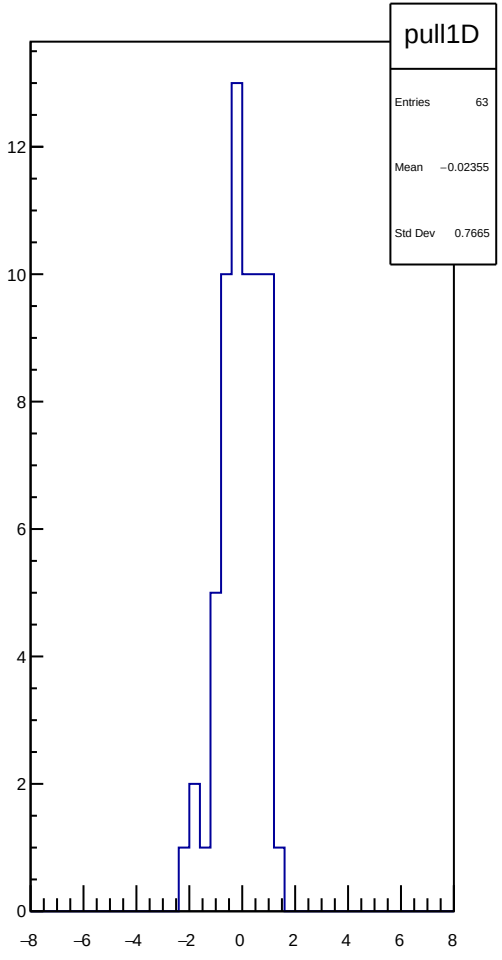

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 405.7 / 62
p0 −189.6 ± 0.3105
pull
Entries 63
Mean −207.6
Std Dev 0

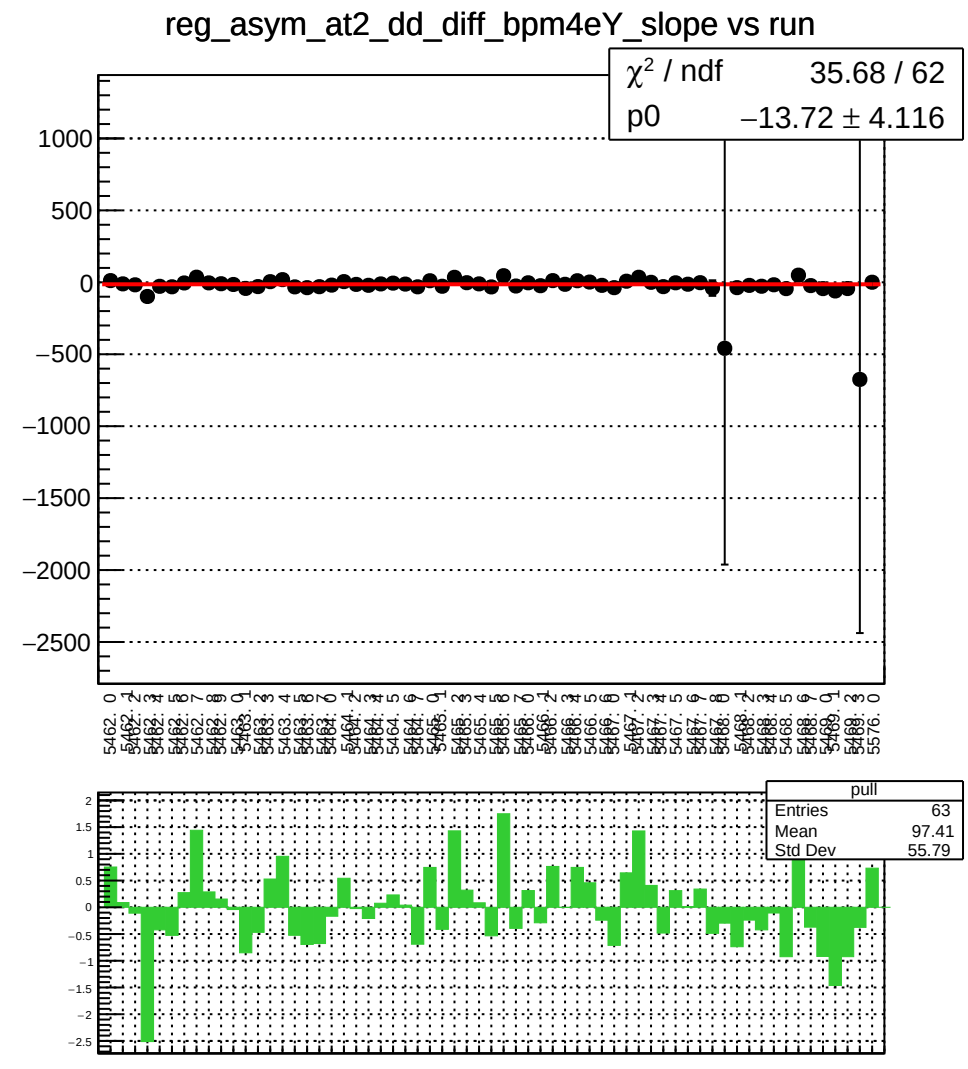

pull1D
Entries 63
Mean −0.1259
Std Dev 2.535

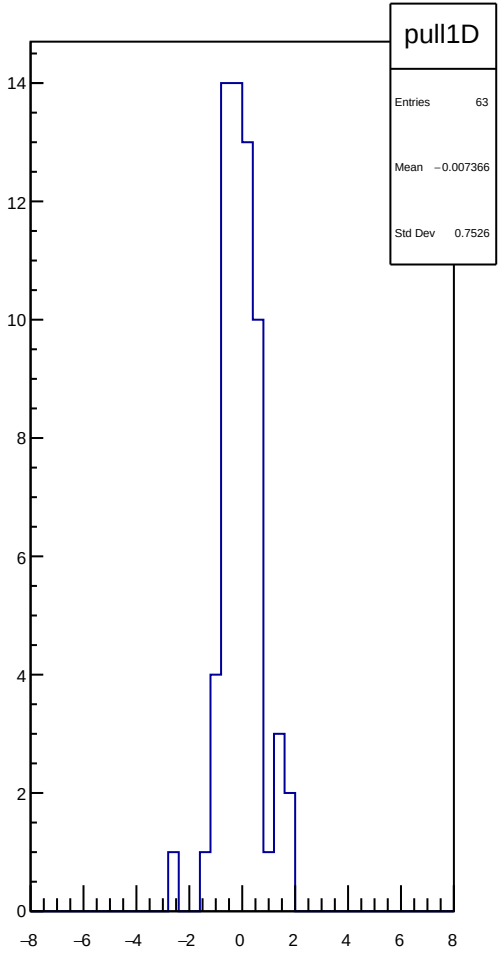

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 37.08 / 62
p0 14.2 ± 3.192
pull
Entries 63
Mean 55.49
Std Dev 0
pull1D
Entries 63
Mean 0.02226
Std Dev 0.7669

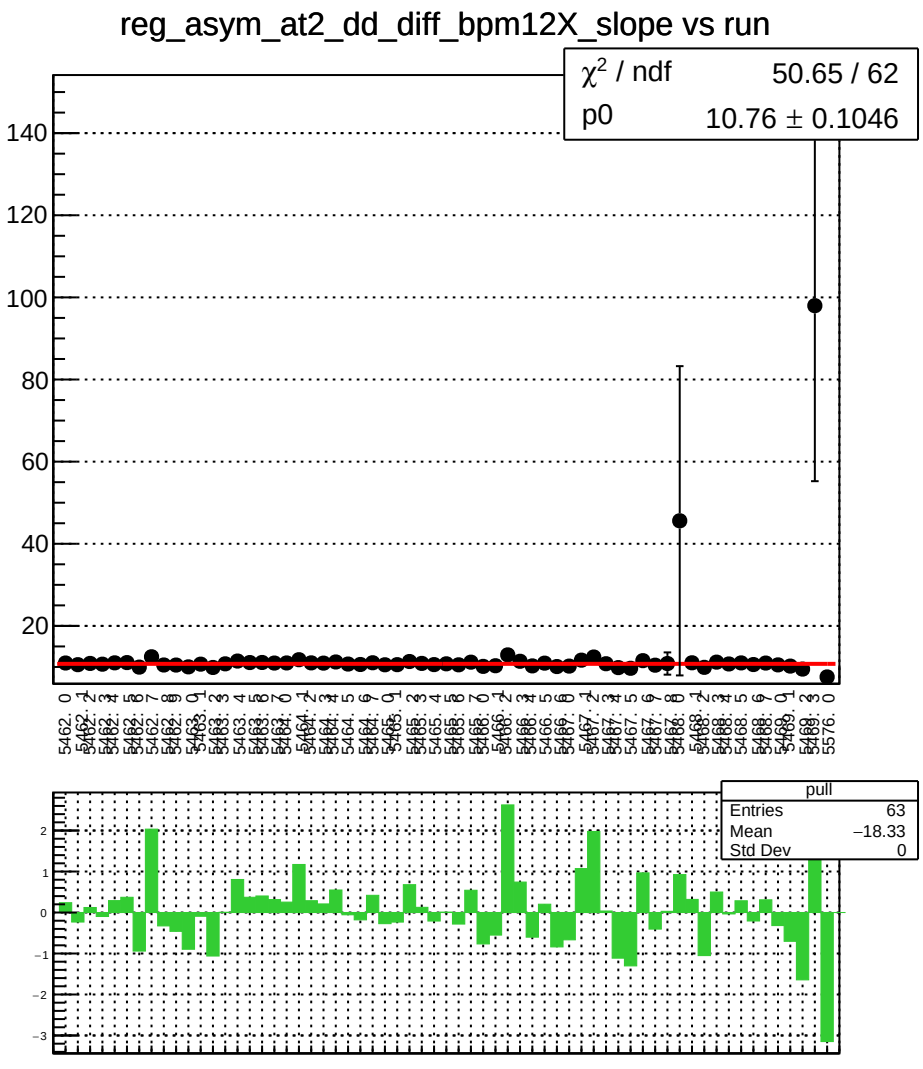

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 62
p0 6.303 ± 3.455
pull
Entries 63
Mean 143
Std Dev 0
pull1D
Entries 63
Mean 0.004965
Std Dev 0.7369

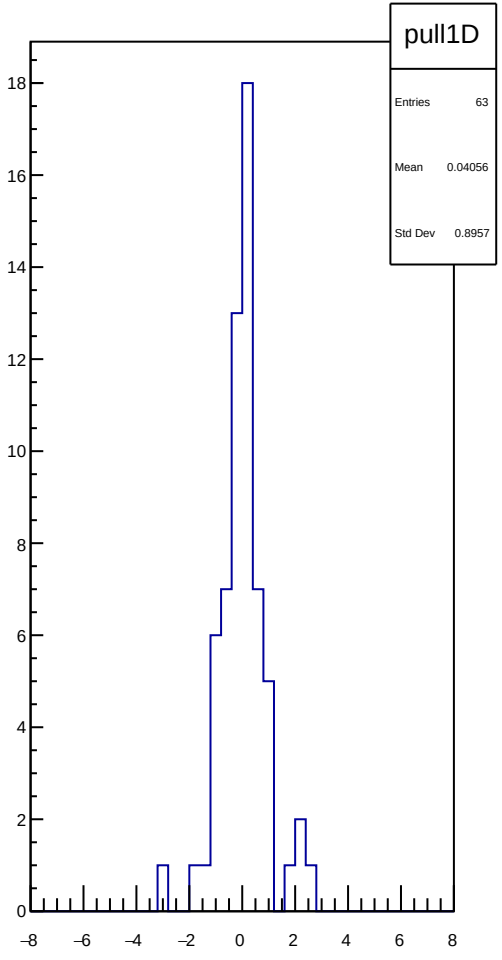

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.04 / 62
p0 72.65 ± 2.506
pull
Entries 63
Mean 59.91
Std Dev 0

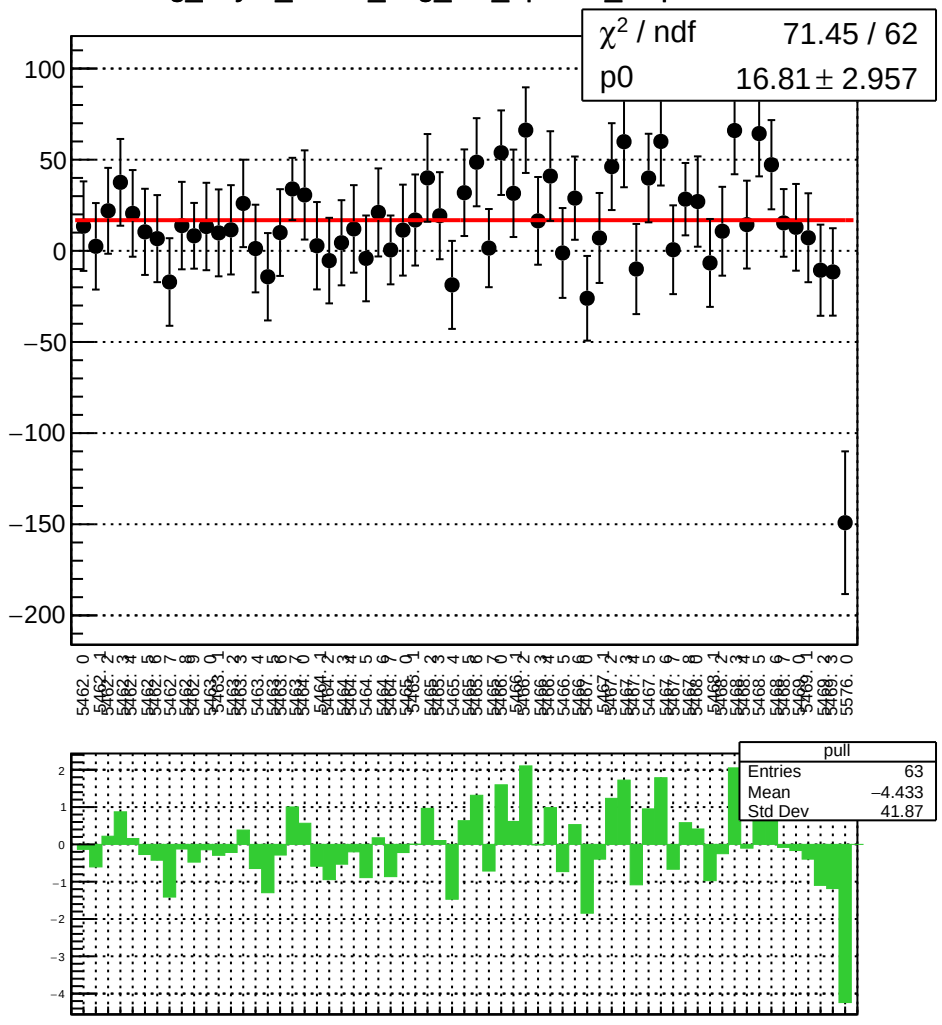

pull1D
Entries 63
Mean −0.02355
Std Dev 0.7665

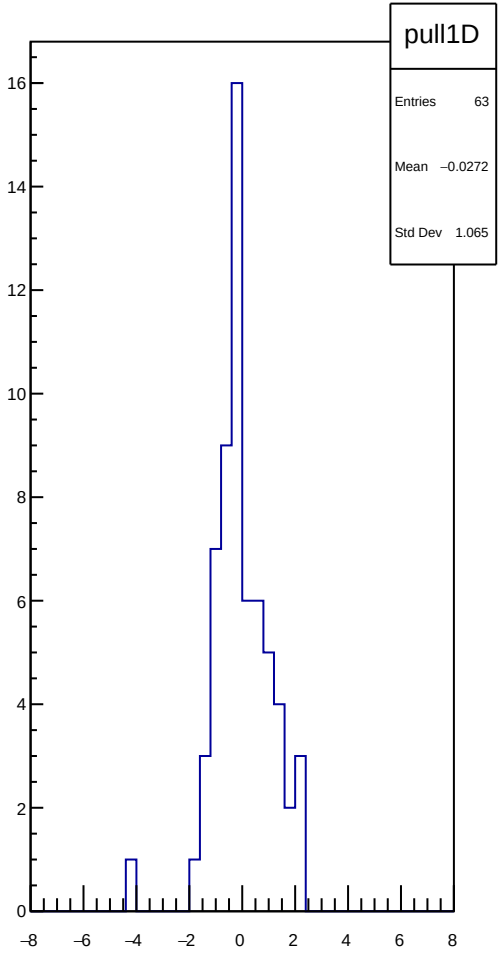

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.68 / 62
p0 −13.72 ± 4.116
pull
Entries 63
Mean 97.41
Std Dev 55.79

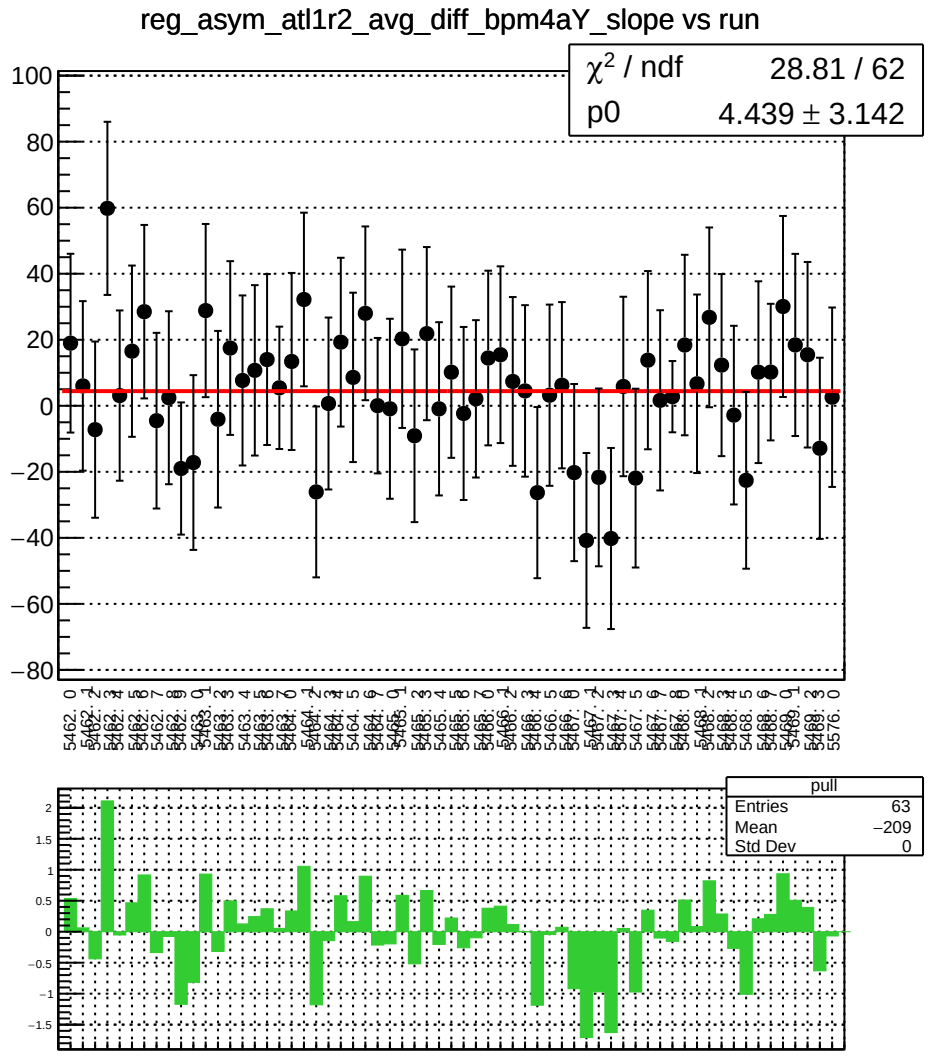

pull1D
Entries 63
Mean −0.007366
Std Dev 0.7526

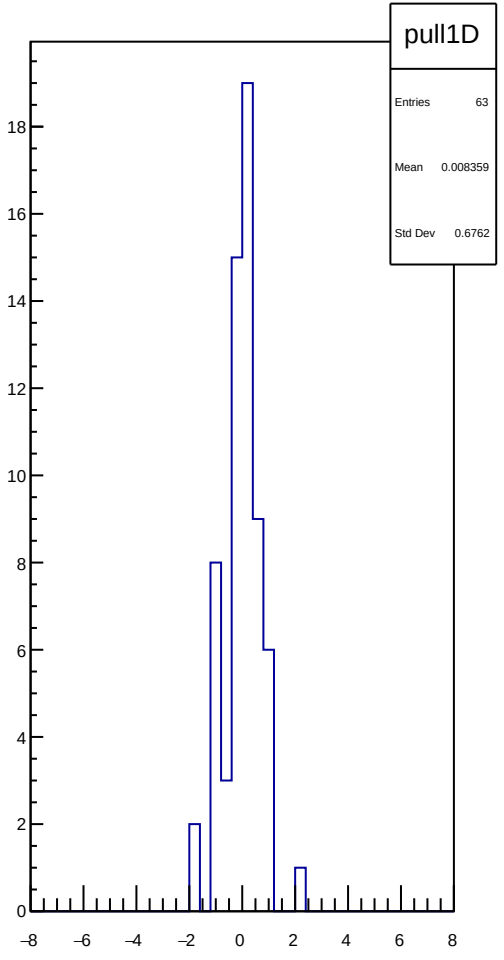

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 50.65 / 62
p0 10.76 ± 0.1046
pull
Entries 63
Mean −18.33
Std Dev 0

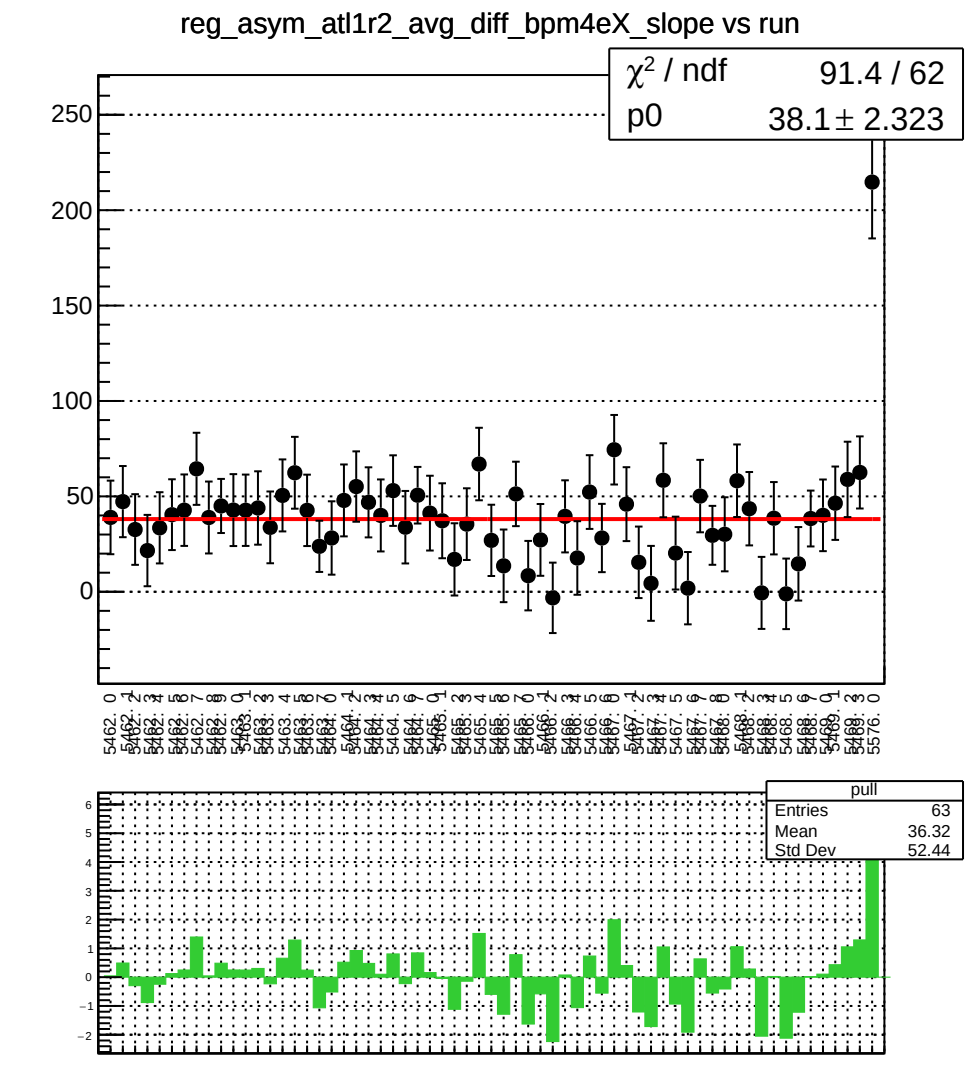

pull1D
Entries 63
Mean 0.04056
Std Dev 0.8957

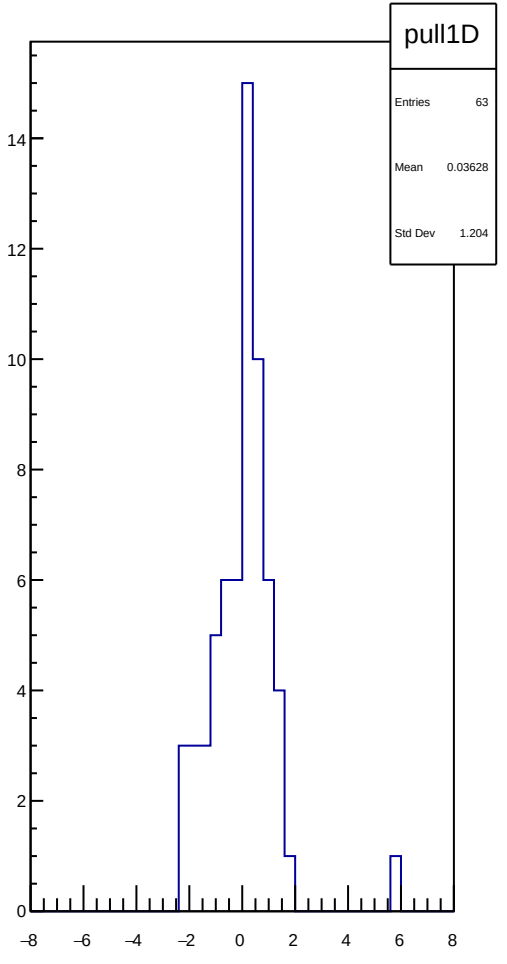

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 71.45 / 62
p0 16.81 ± 2.957
pull
Entries 63
Mean −4.433
Std Dev 41.87

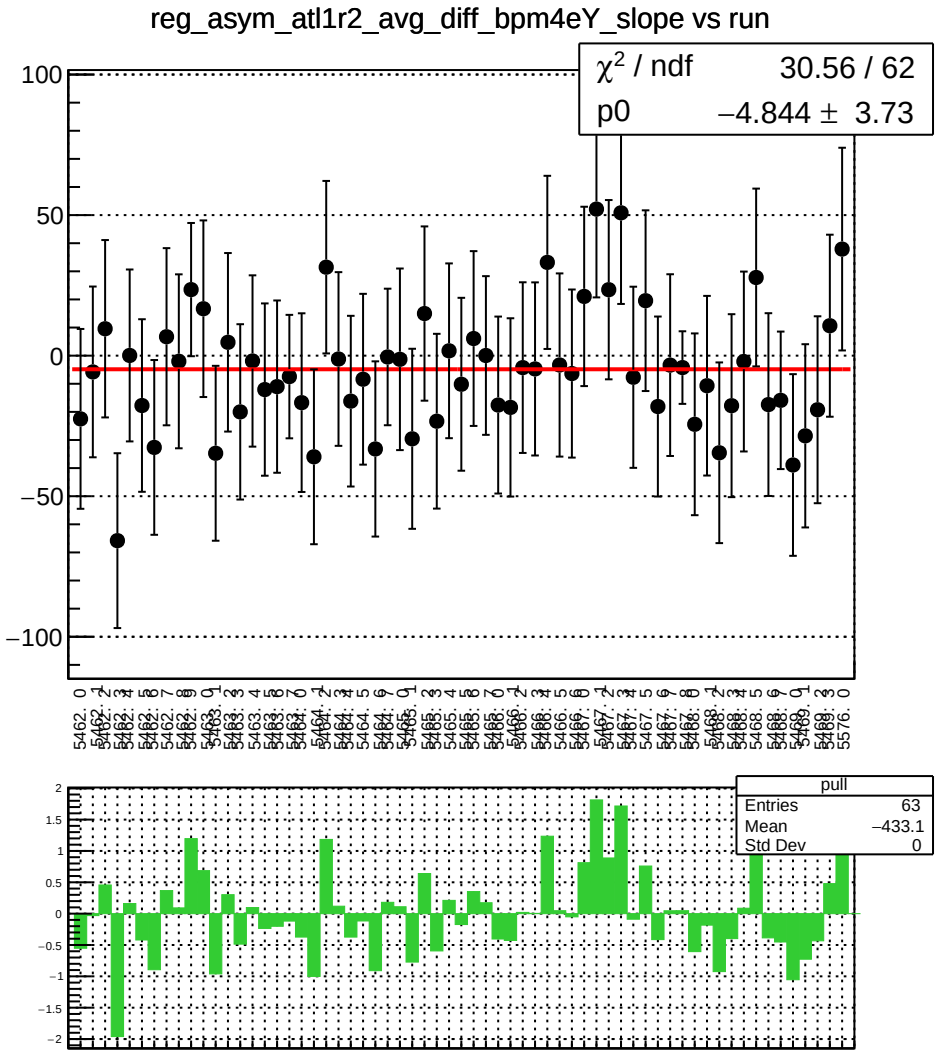

pull1D
Entries 63
Mean −0.0272
Std Dev 1.065

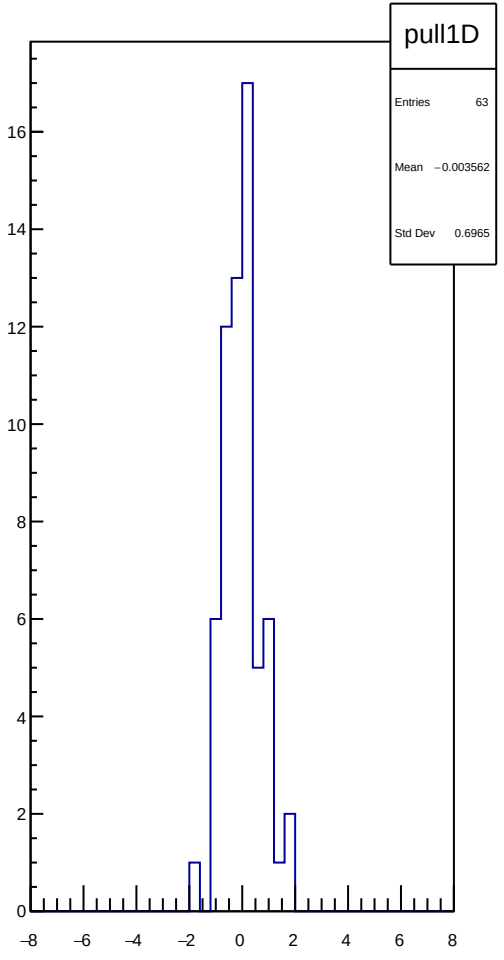

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.81 / 62
p0 4.439 ± 3.142
pull
Entries 63
Mean −209
Std Dev 0

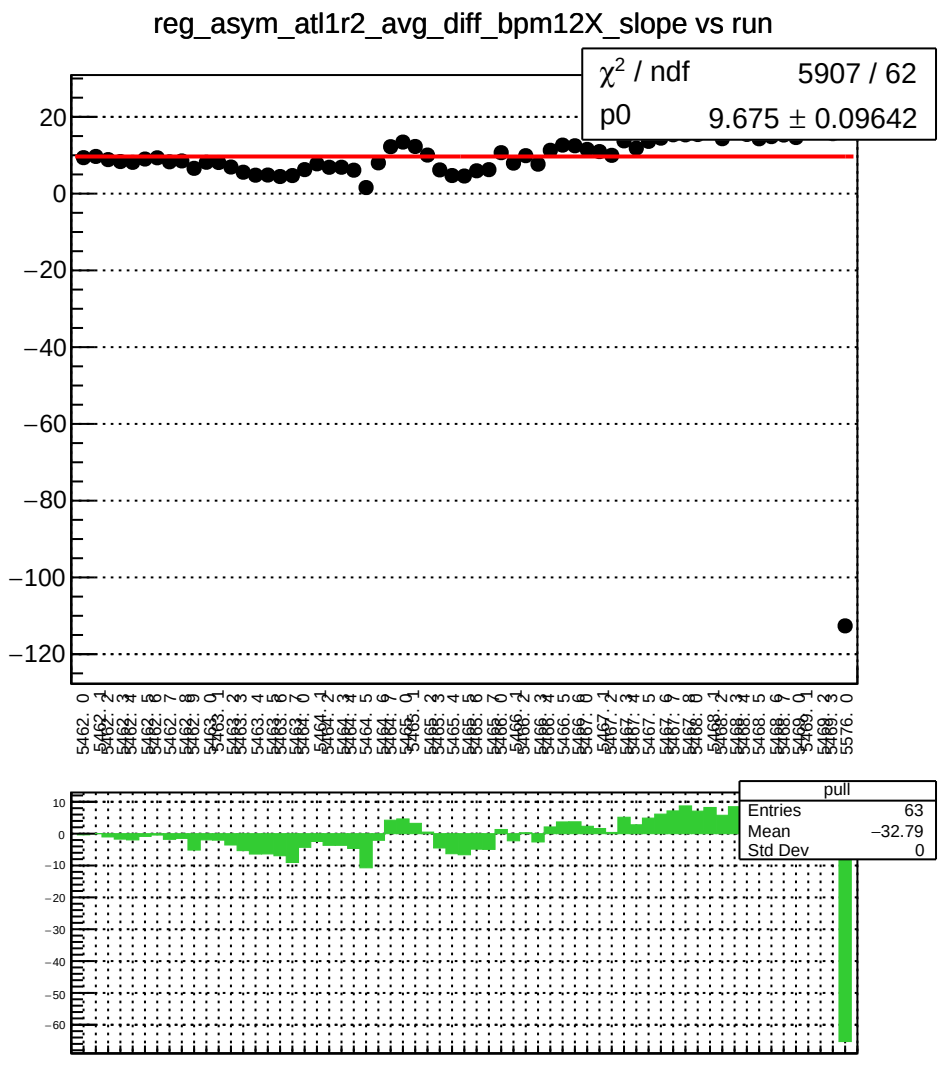

pull1D
Entries 63
Mean 0.008359
Std Dev 0.6762

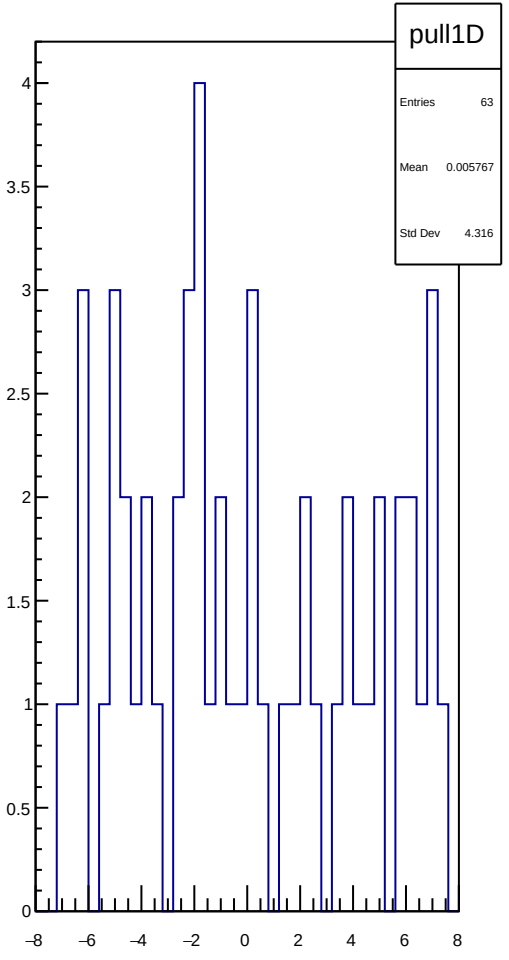

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.4 / 62
p0 38.1 ± 2.323
250
200
150
100
50
0
pull
Entries 63
Mean 36.32
Std Dev 52.44
6
5
4
3
2
1
0
−1
−2

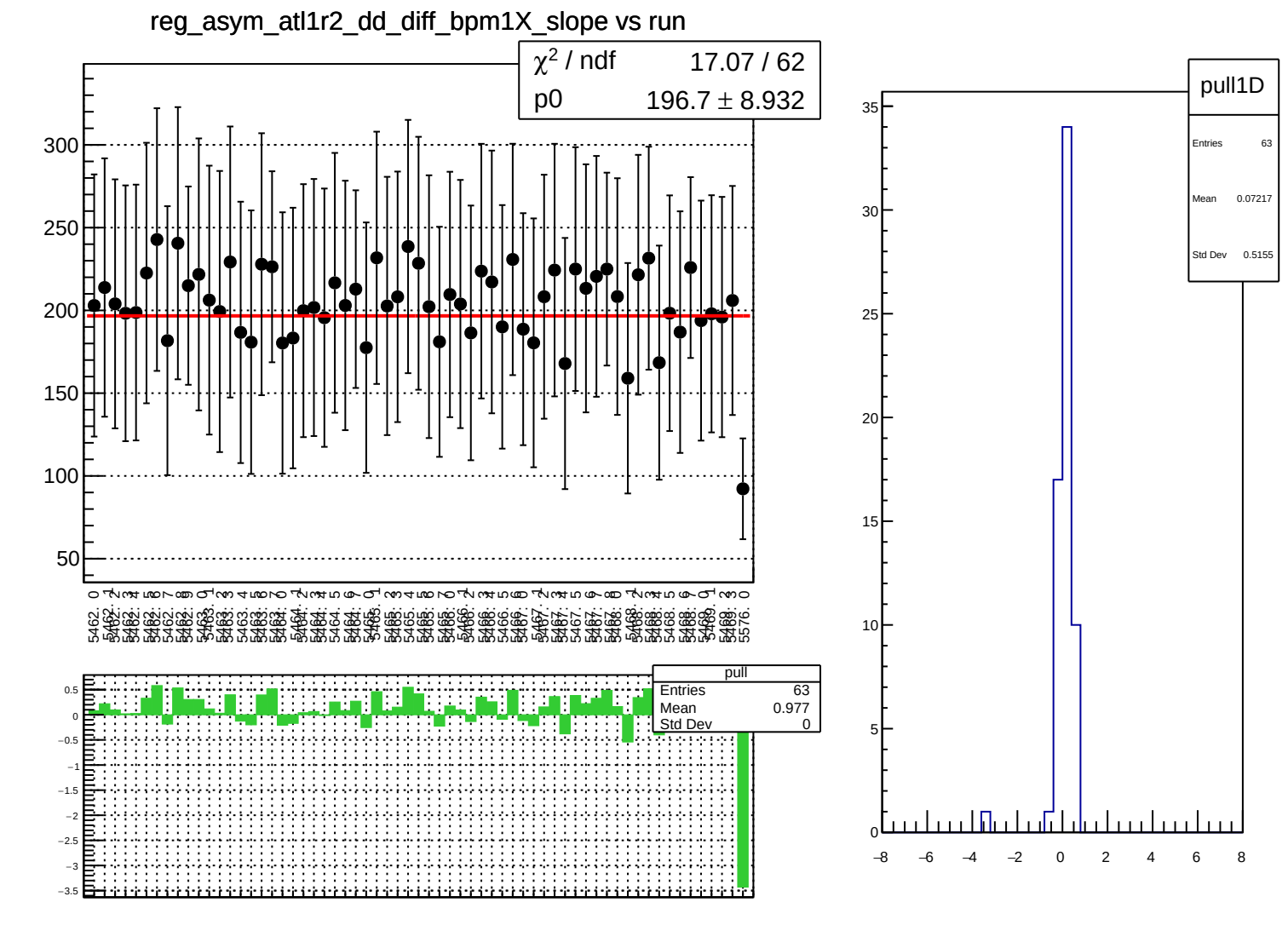

pull1D
Entries 63
Mean 0.03628
Std Dev 1.204
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

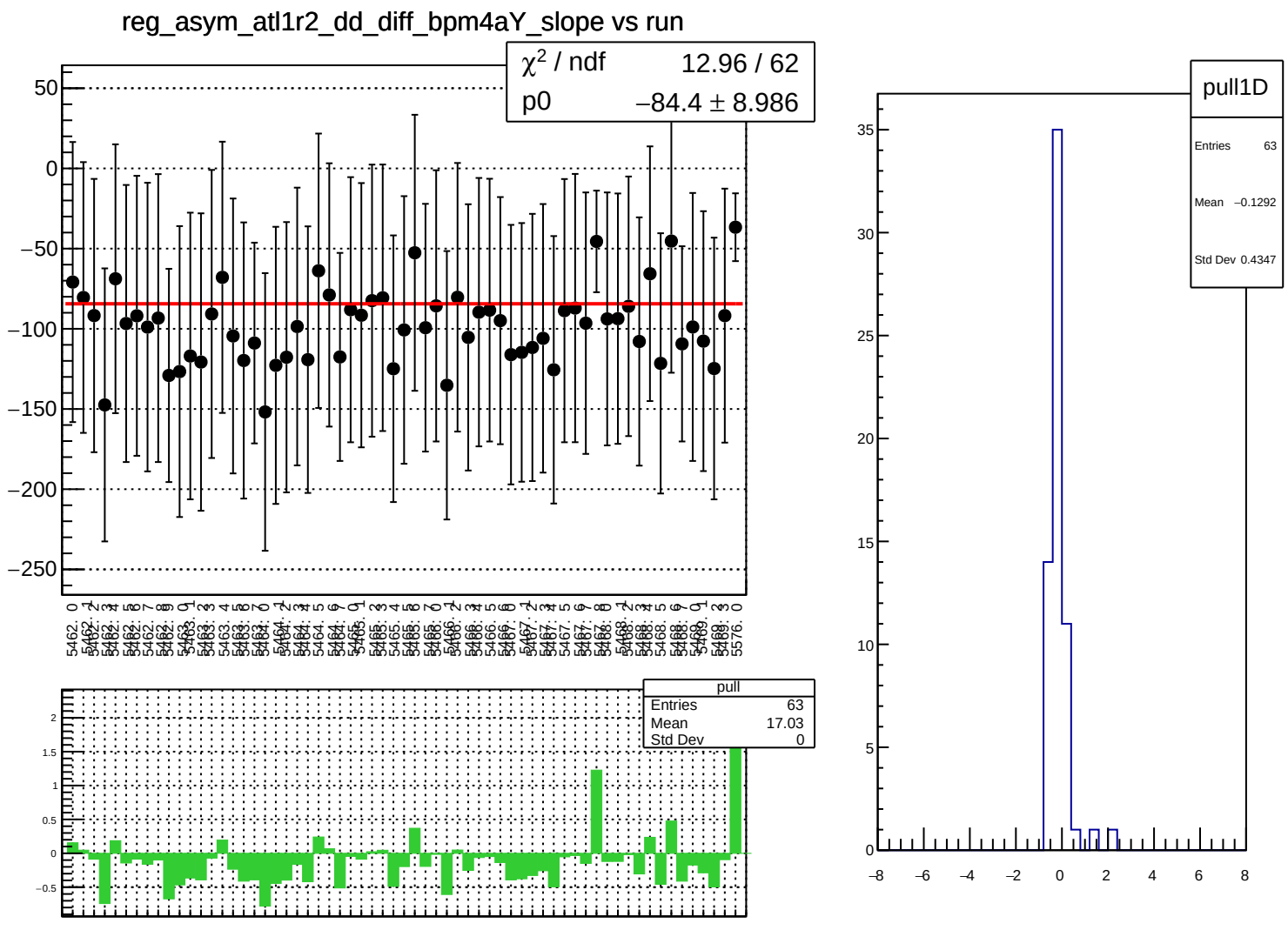

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.56 / 62
p0 −4.844 ± 3.73
pull
Entries 63
Mean −433.1
Std Dev 0

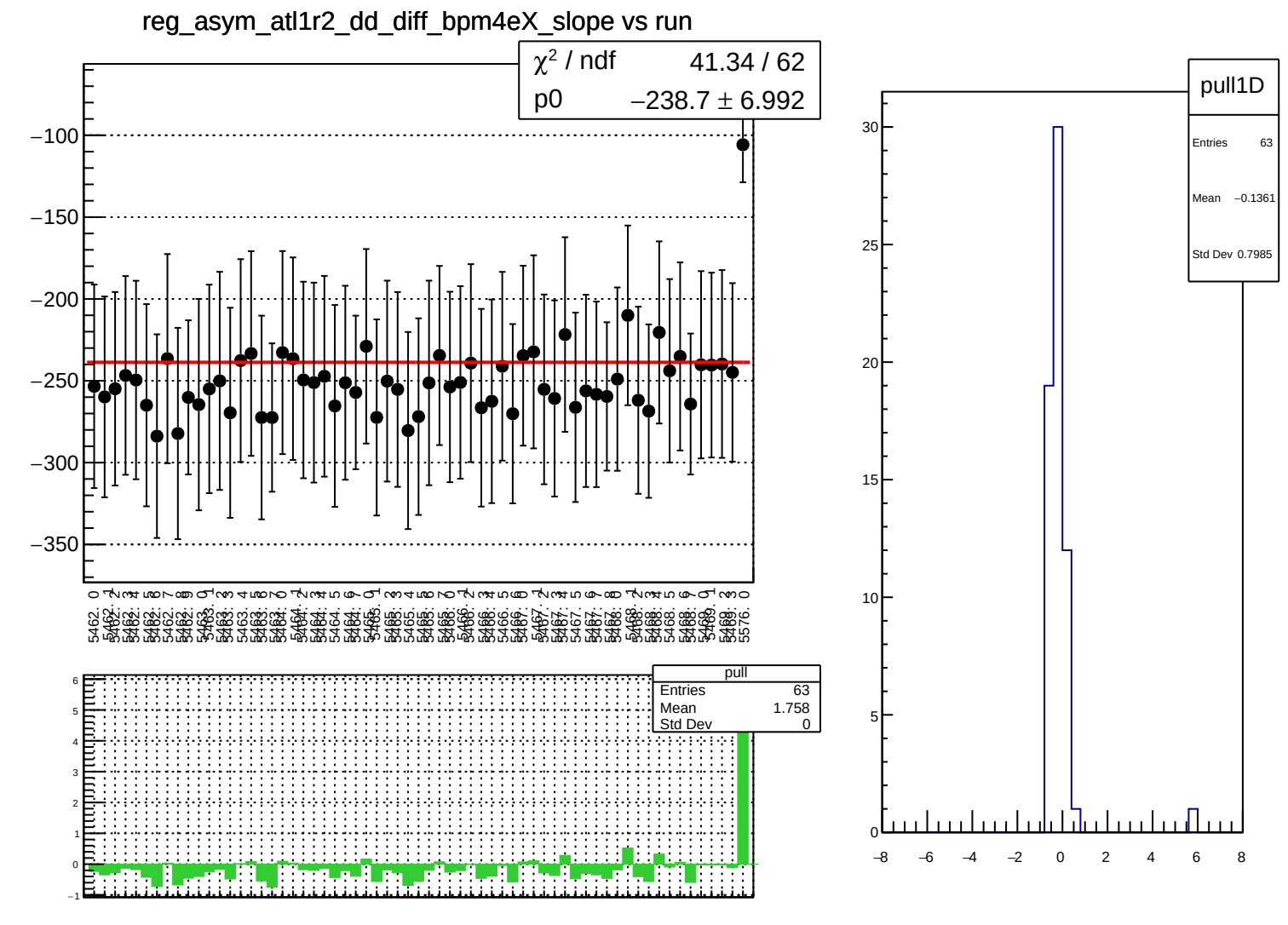

pull1D
Entries 63
Mean −0.003562
Std Dev 0.6965

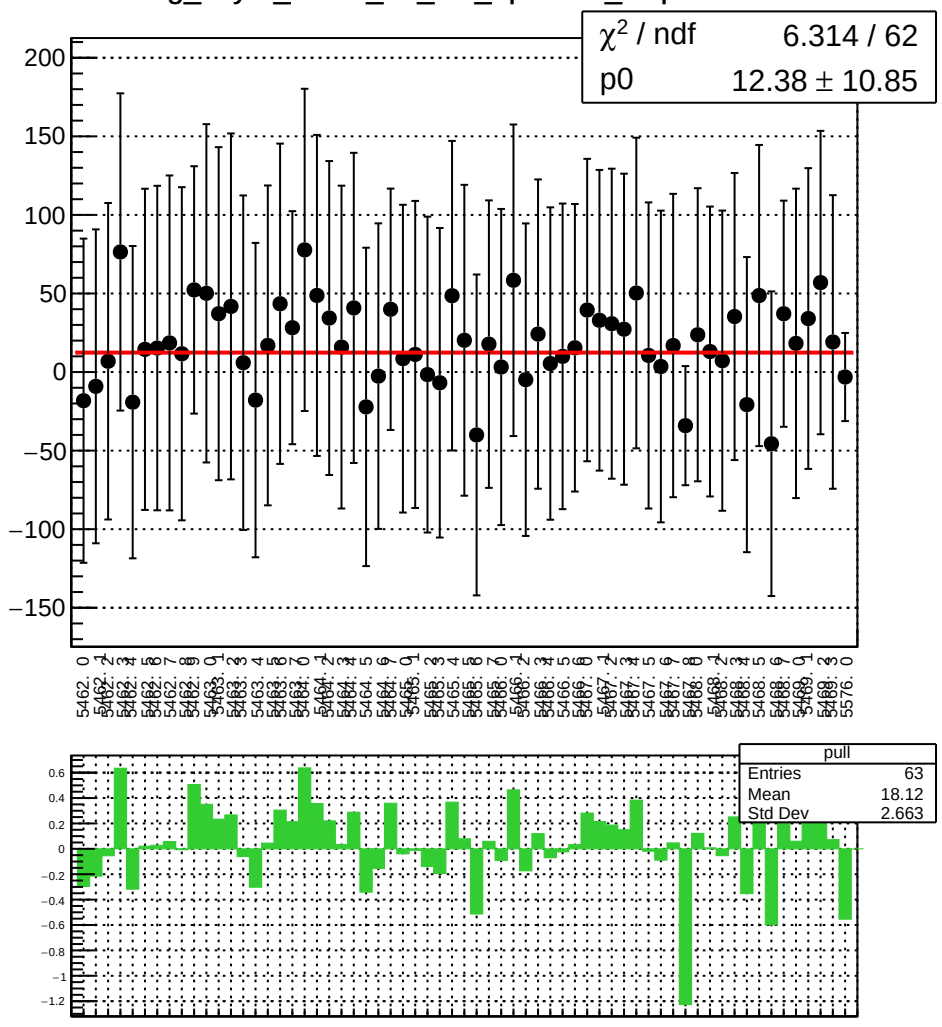

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5907 / 62
p0 9.675 ± 0.09642
pull
Entries 63
Mean −32.79
Std Dev 0

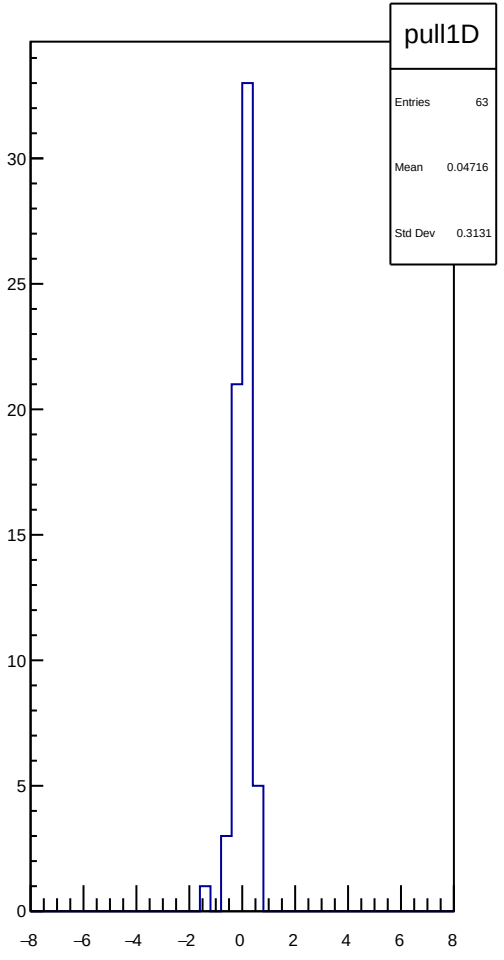

pull1D
Entries 63
Mean 0.005767
Std Dev 4.316

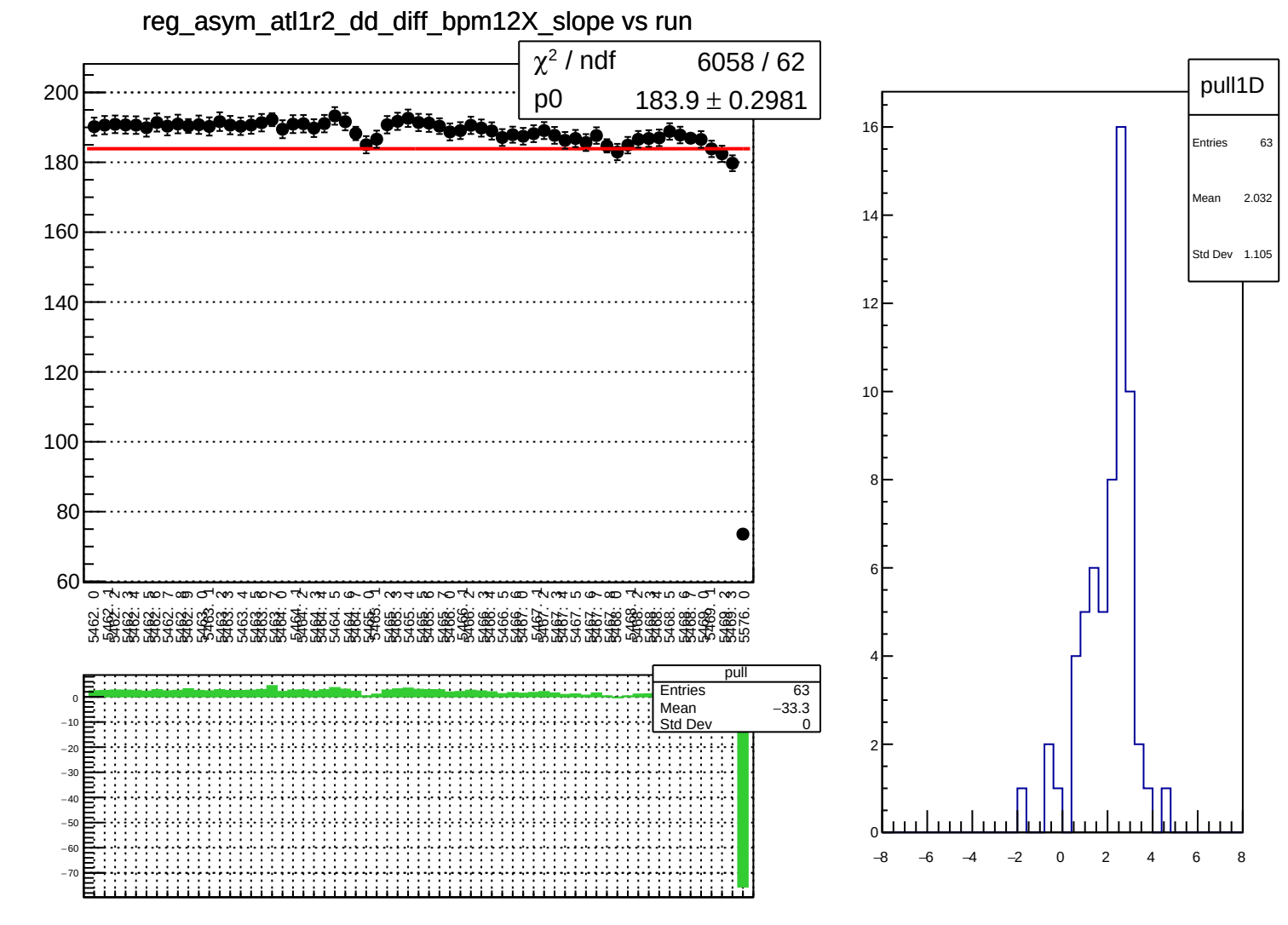

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 17.07 / 62
p0 196.7 ± 8.932
pull
Entries 63
Mean 0.977
Std Dev 0
pull1D
Entries 63
Mean 0.07217
Std Dev 0.5155

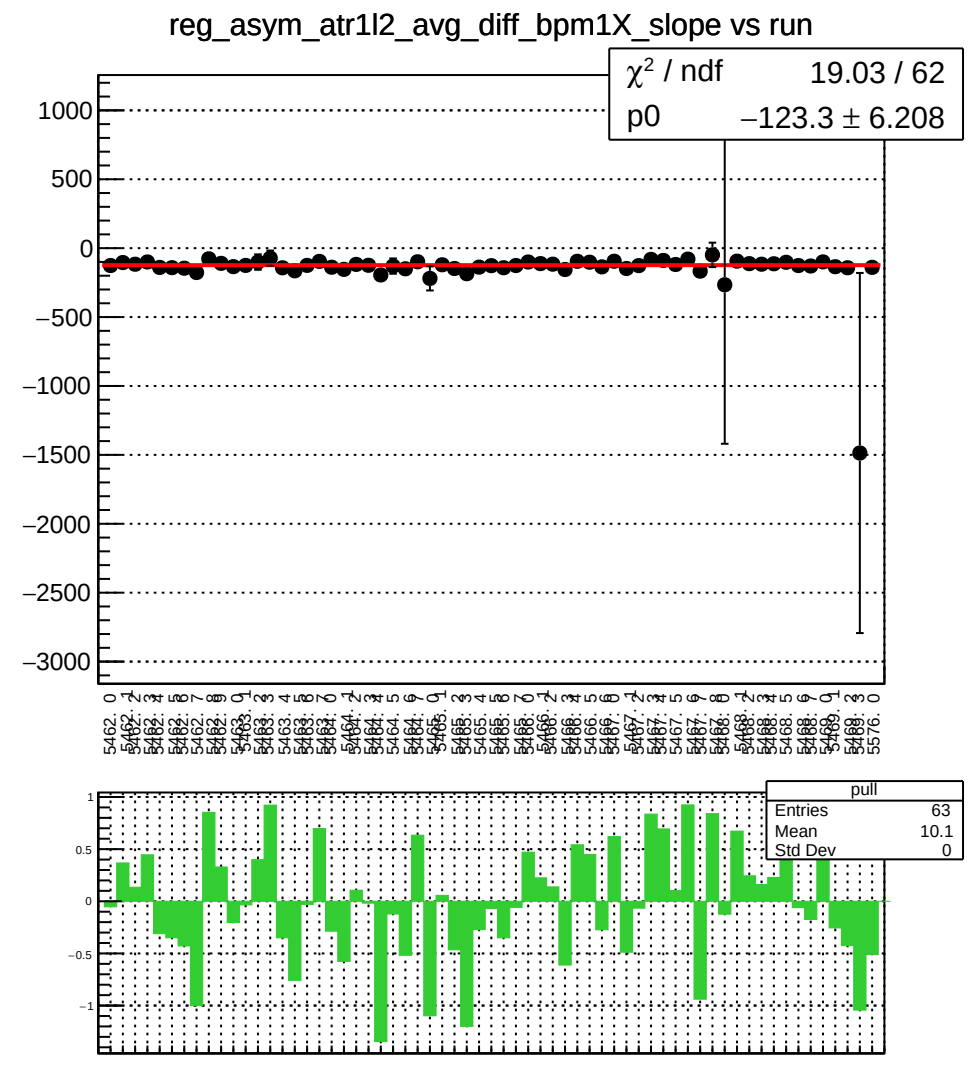

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.96 / 62
p0 −84.4 ± 8.986
pull
Entries 63
Mean 17.03
Std Dev 0
pull1D
Entries 63
Mean −0.1292
Std Dev 0.4347

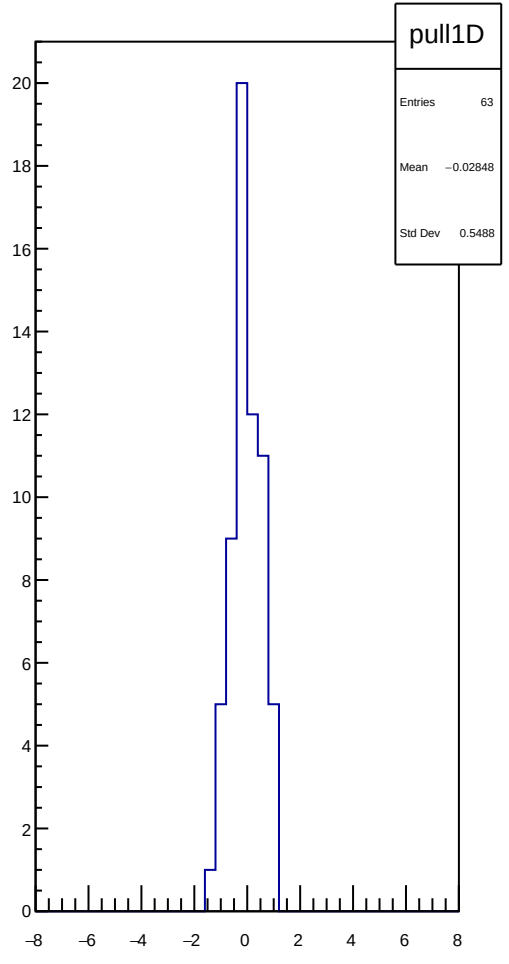

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.34 / 62
p0 −238.7 ± 6.992
pull
Entries 63
Mean 1.758
Std Dev 0
pull1D
Entries 63
Mean −0.1361
Std Dev 0.7985

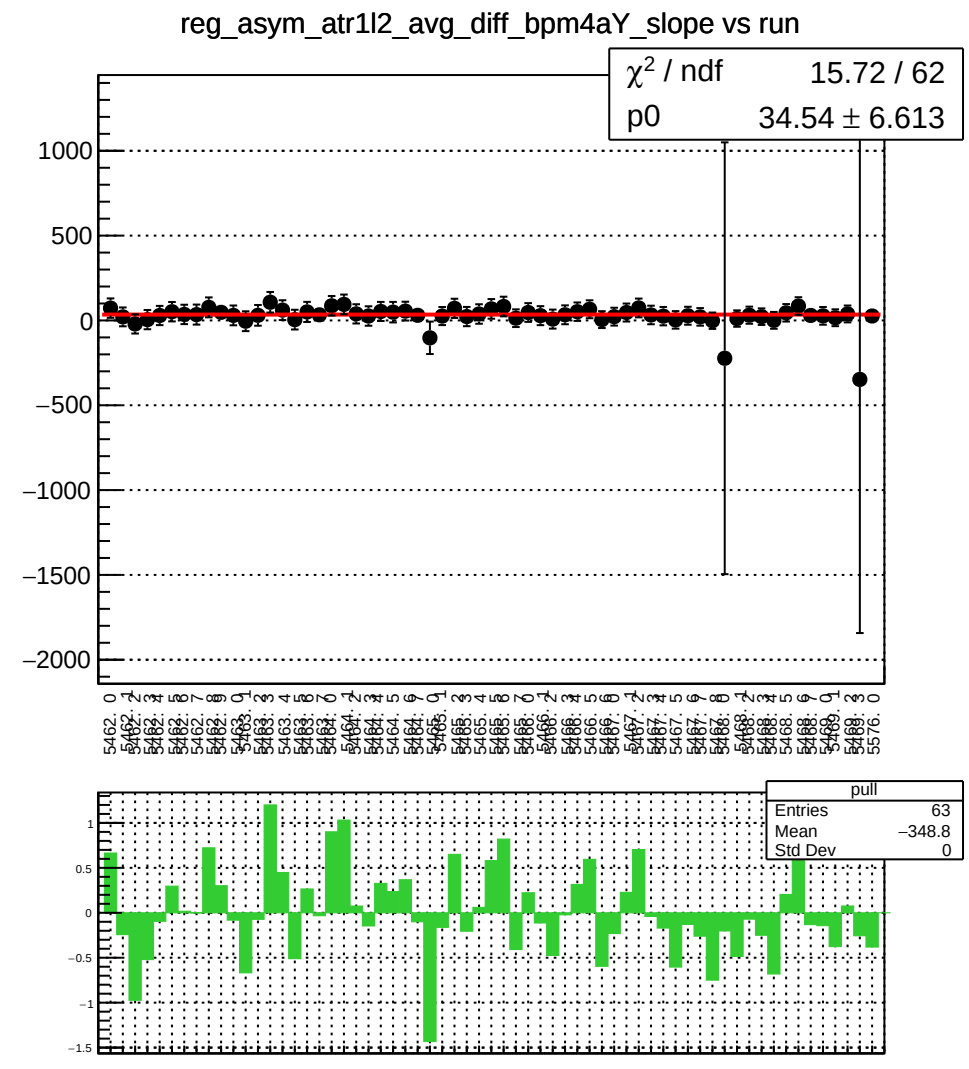

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.314 / 62
p0 12.38 ± 10.85
pull
Entries 63
Mean 18.12
Std Dev 2.663

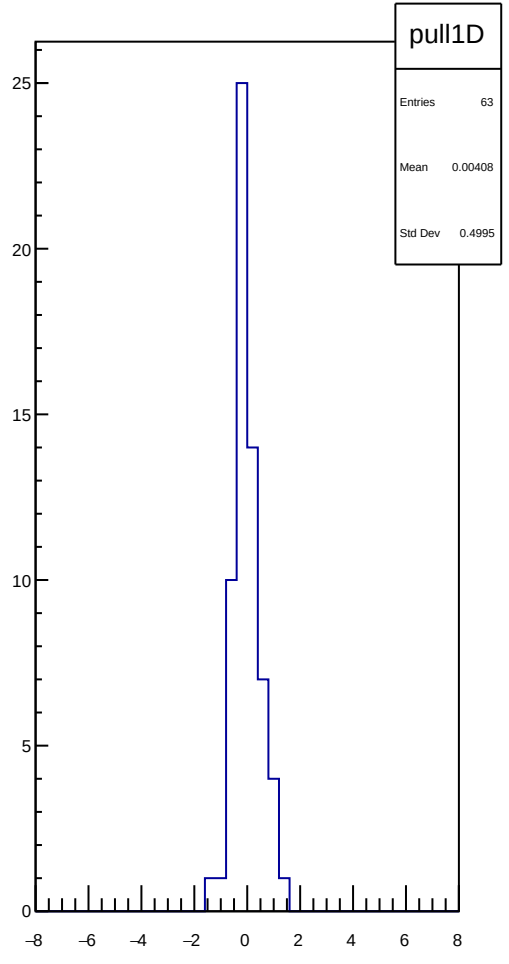

pull1D
Entries 63
Mean 0.04716
Std Dev 0.3131

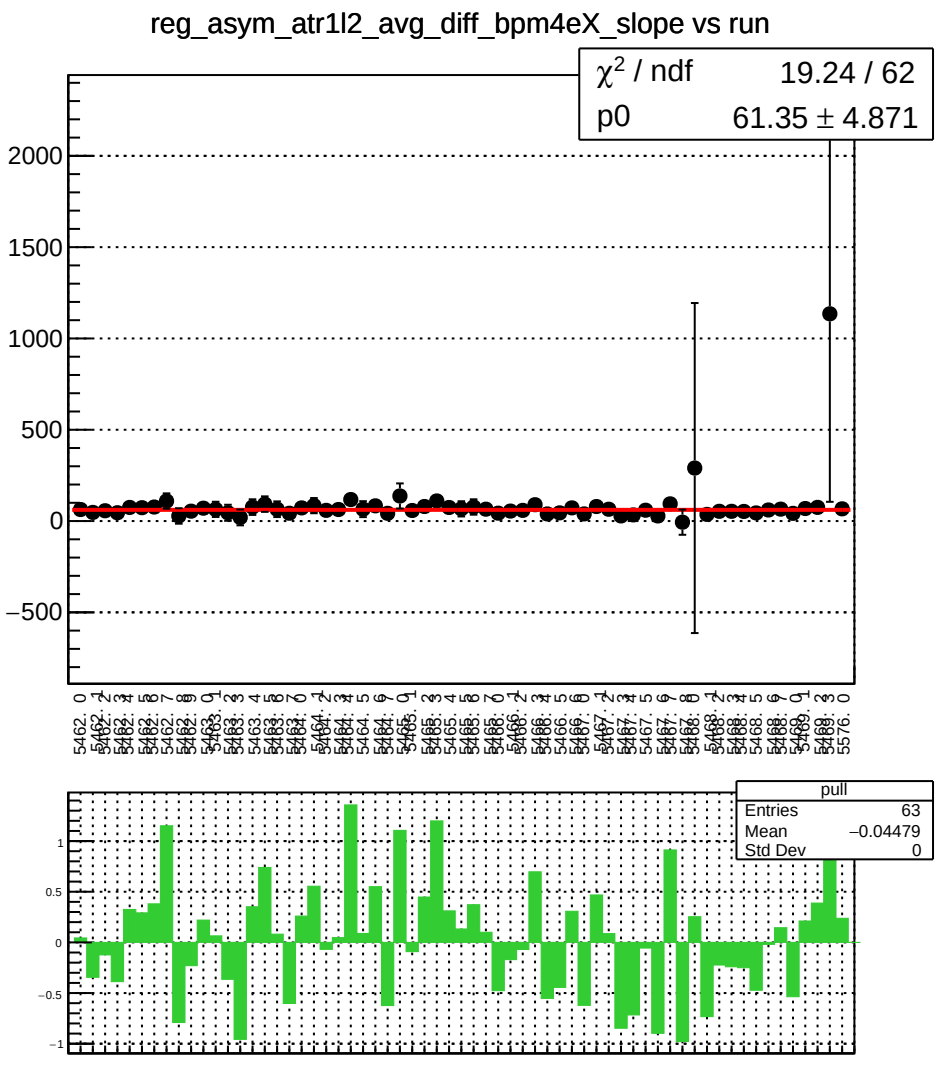

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 6058 / 62
p0 183.9 ± 0.2981
pull
Entries 63
Mean −33.3
Std Dev 0
pull1D
Entries 63
Mean 2.032
Std Dev 1.105

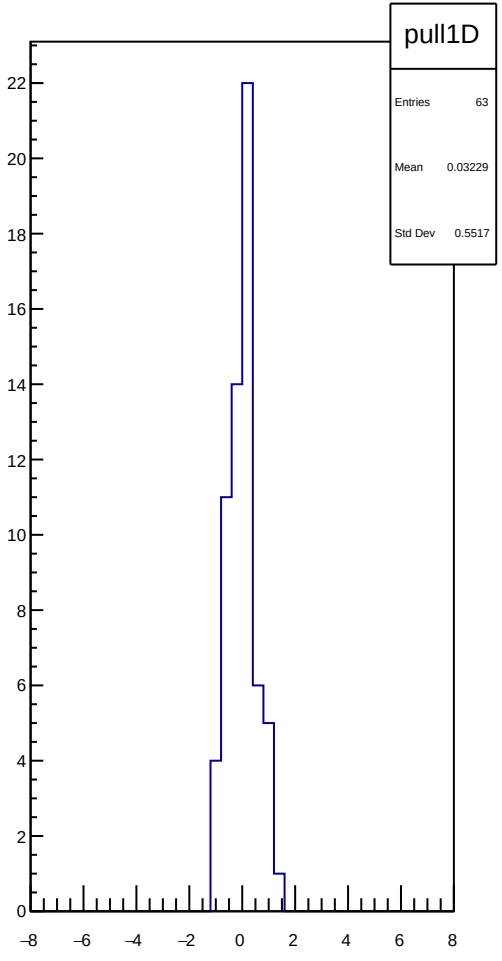

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.03 / 62
p0 −123.3 ± 6.208
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 63
Mean 10.1
Std Dev 0
1
0.5
0
−0.5
−1

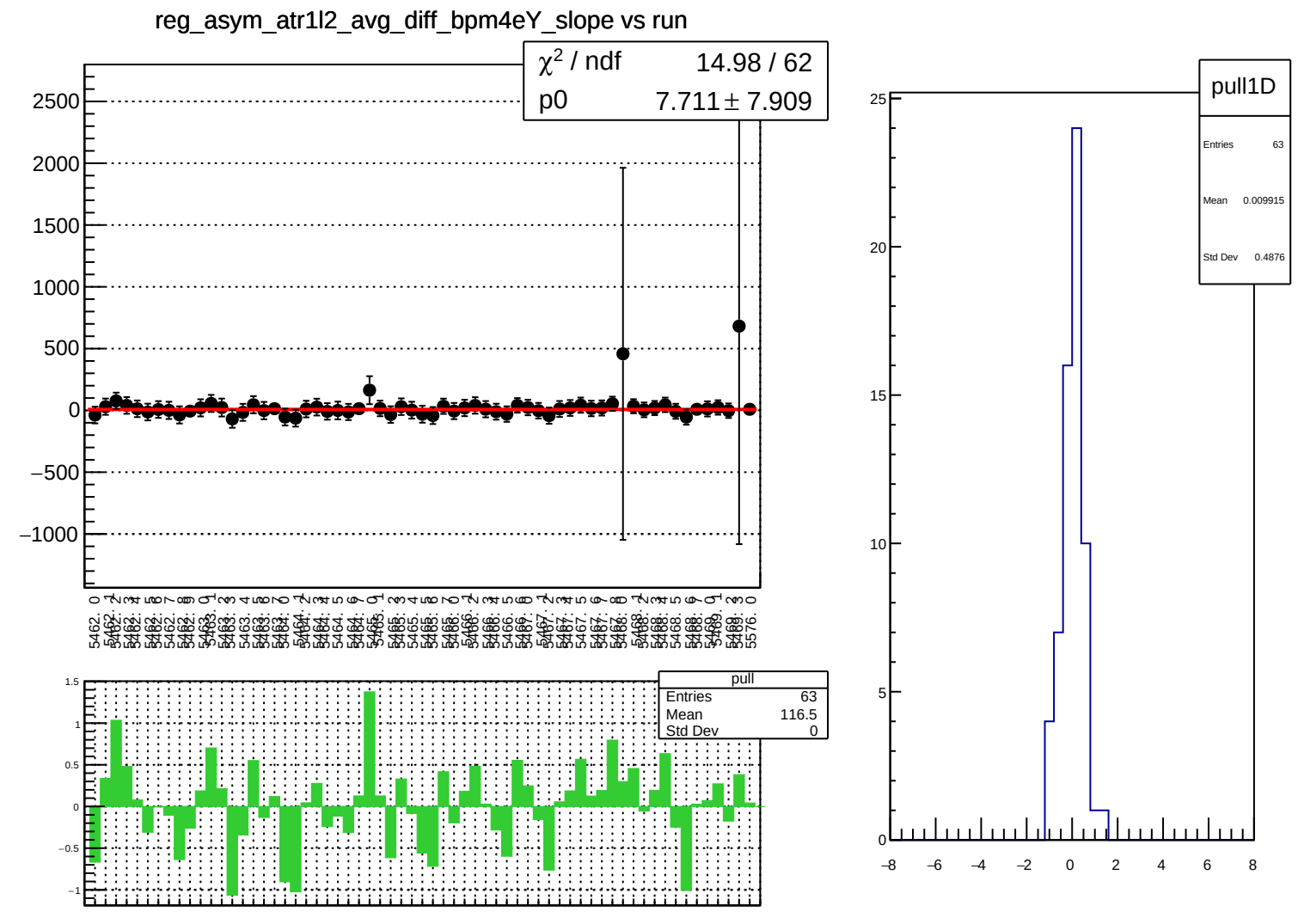

pull1D
Entries 63
Mean −0.02848
Std Dev 0.5488
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

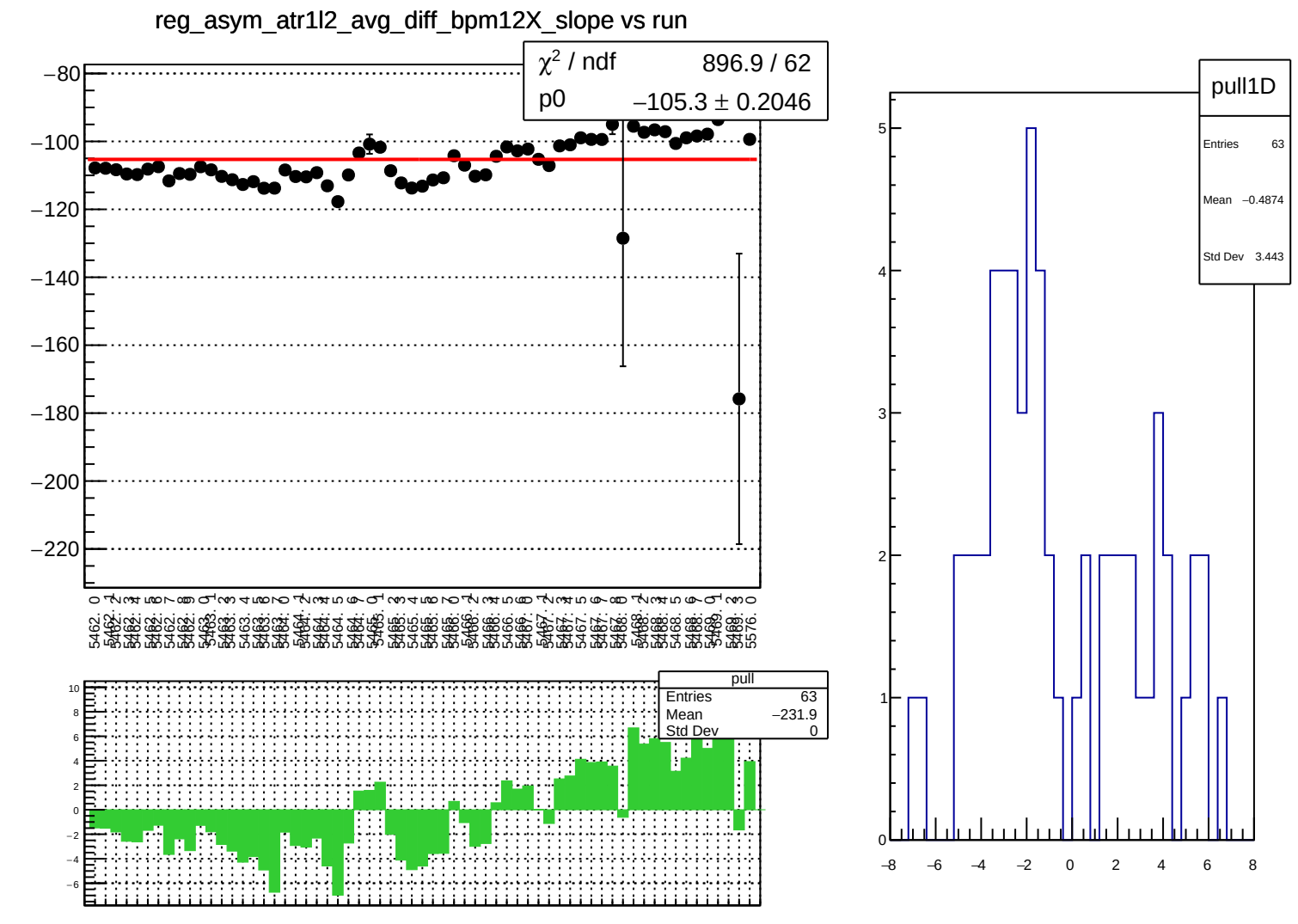

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.72 / 62
p0 34.54 ± 6.613
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 63
Mean −348.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

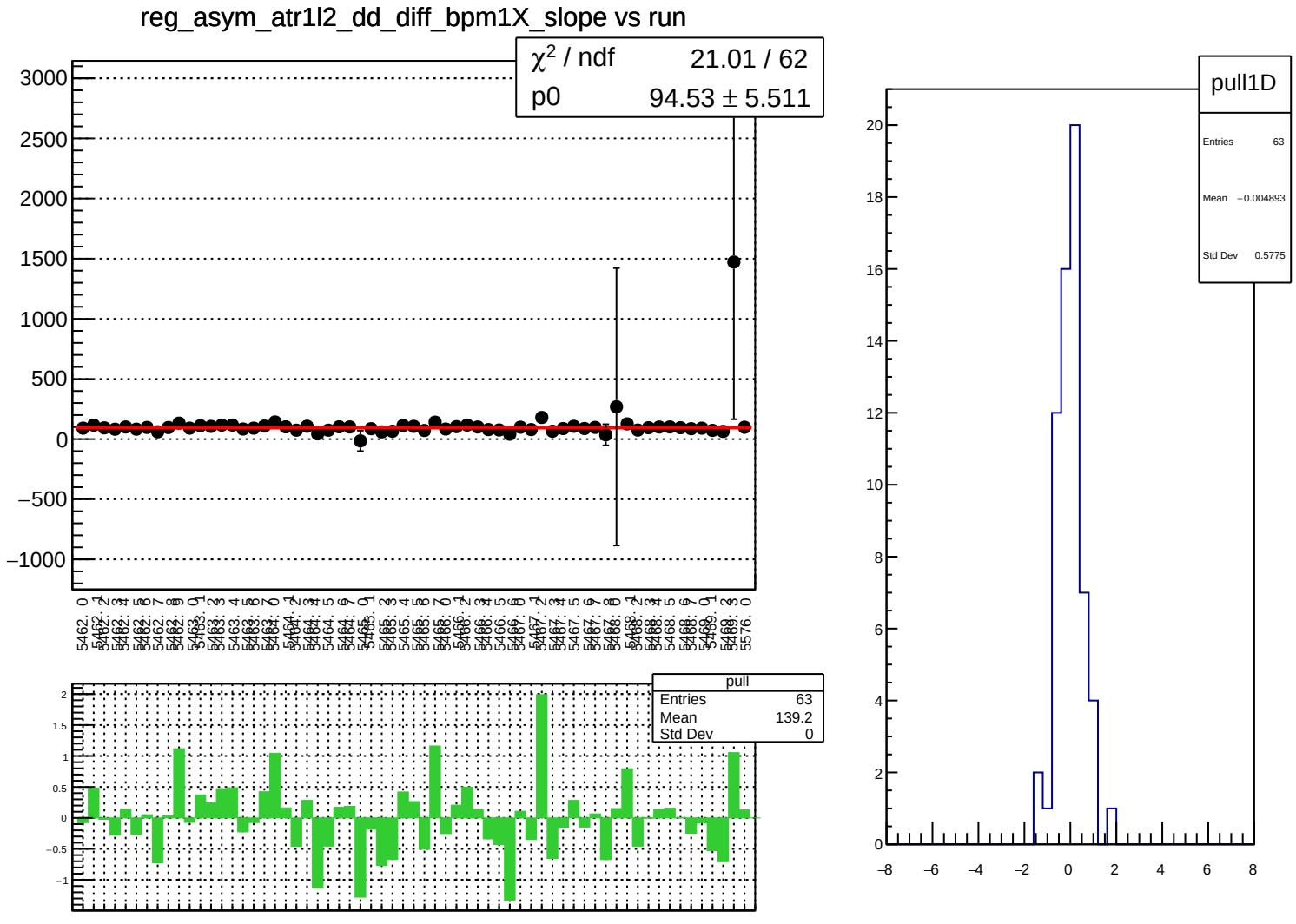

pull1D
Entries 63
Mean 0.00408
Std Dev 0.4995
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

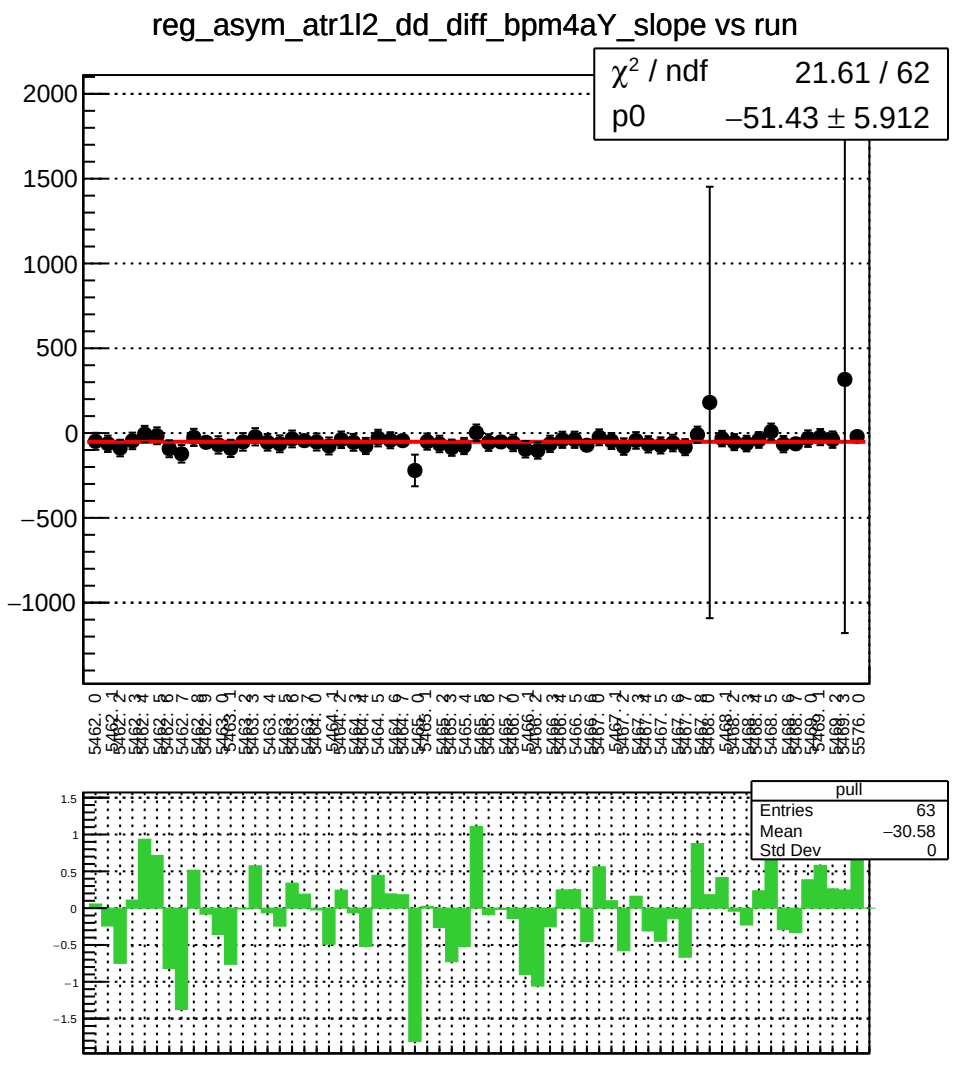

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.24 / 62
p0 61.35 ± 4.871
pull
Entries 63
Mean −0.04479
Std Dev 0

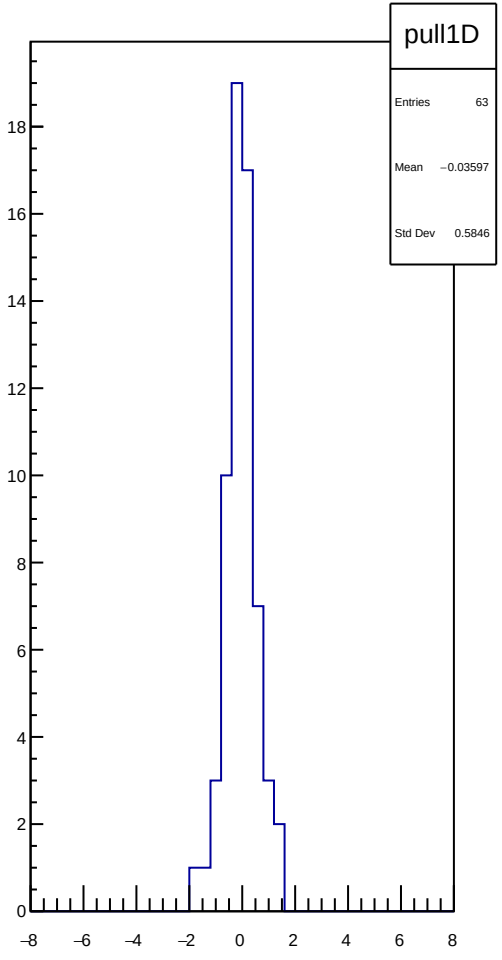

pull1D
Entries 63
Mean 0.03229
Std Dev 0.5517

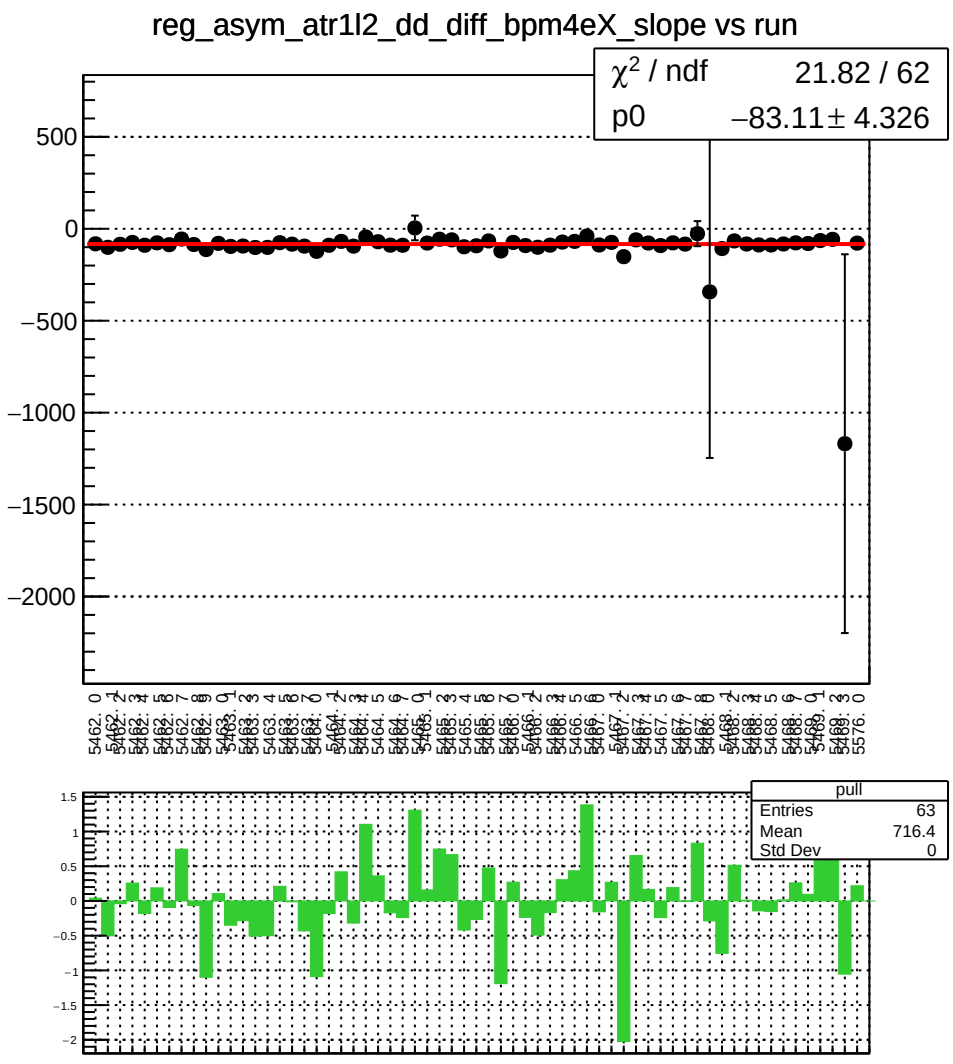

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.98 / 62
p0 7.711 ± 7.909
pull
Entries 63
Mean 116.5
Std Dev 0
pull1D
Entries 63
Mean 0.009915
Std Dev 0.4876

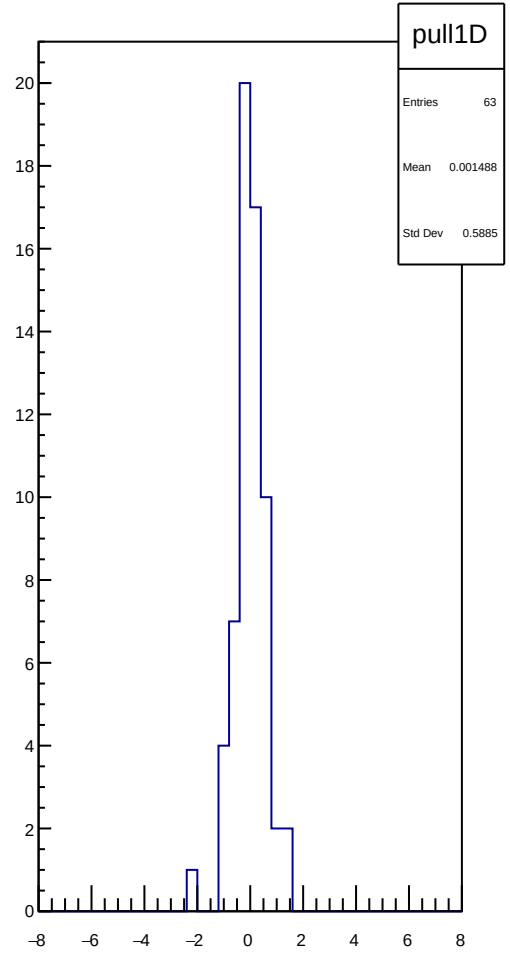

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 896.9 / 62
p0 −105.3 ± 0.2046
pull
Entries 63
Mean −231.9
Std Dev 0
pull1D
Entries 63
Mean −0.4874
Std Dev 3.443

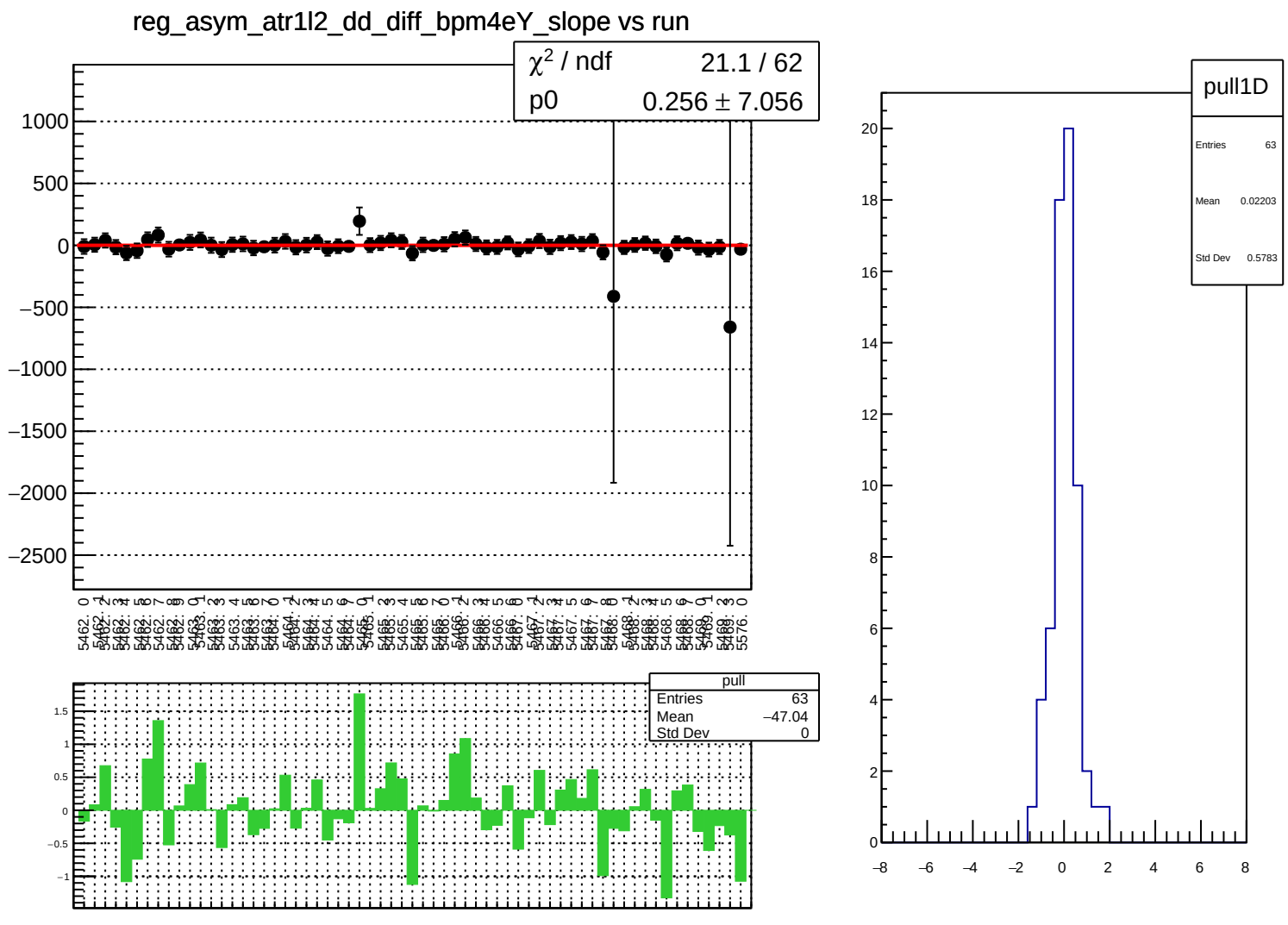

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.01 / 62
p0 94.53 ± 5.511
pull
Entries 63
Mean 139.2
Std Dev 0
pull1D
Entries 63
Mean −0.004893
Std Dev 0.5775

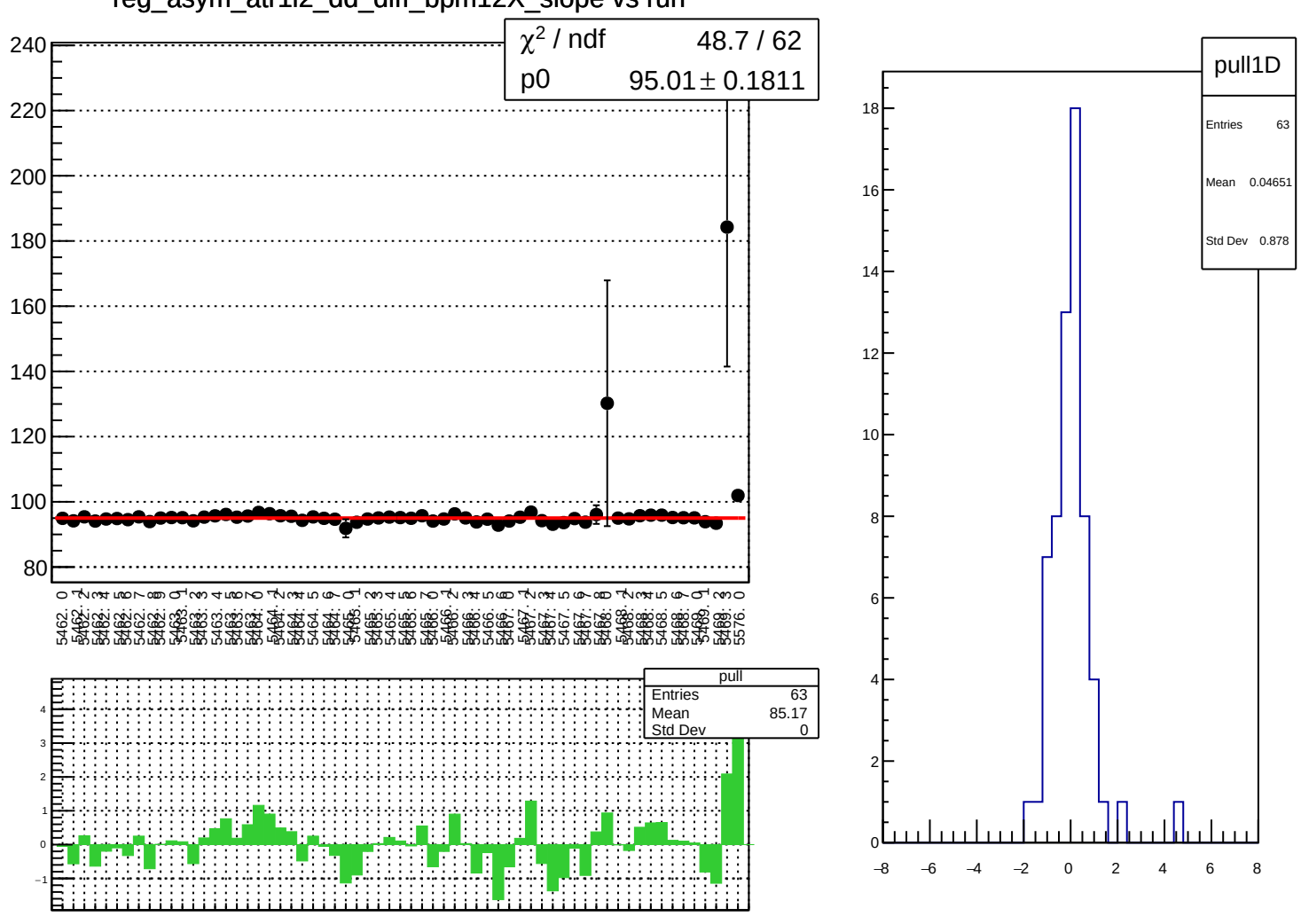

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.61 / 62
p0 −51.43 ± 5.912
pull
Entries 63
Mean −30.58
Std Dev 0

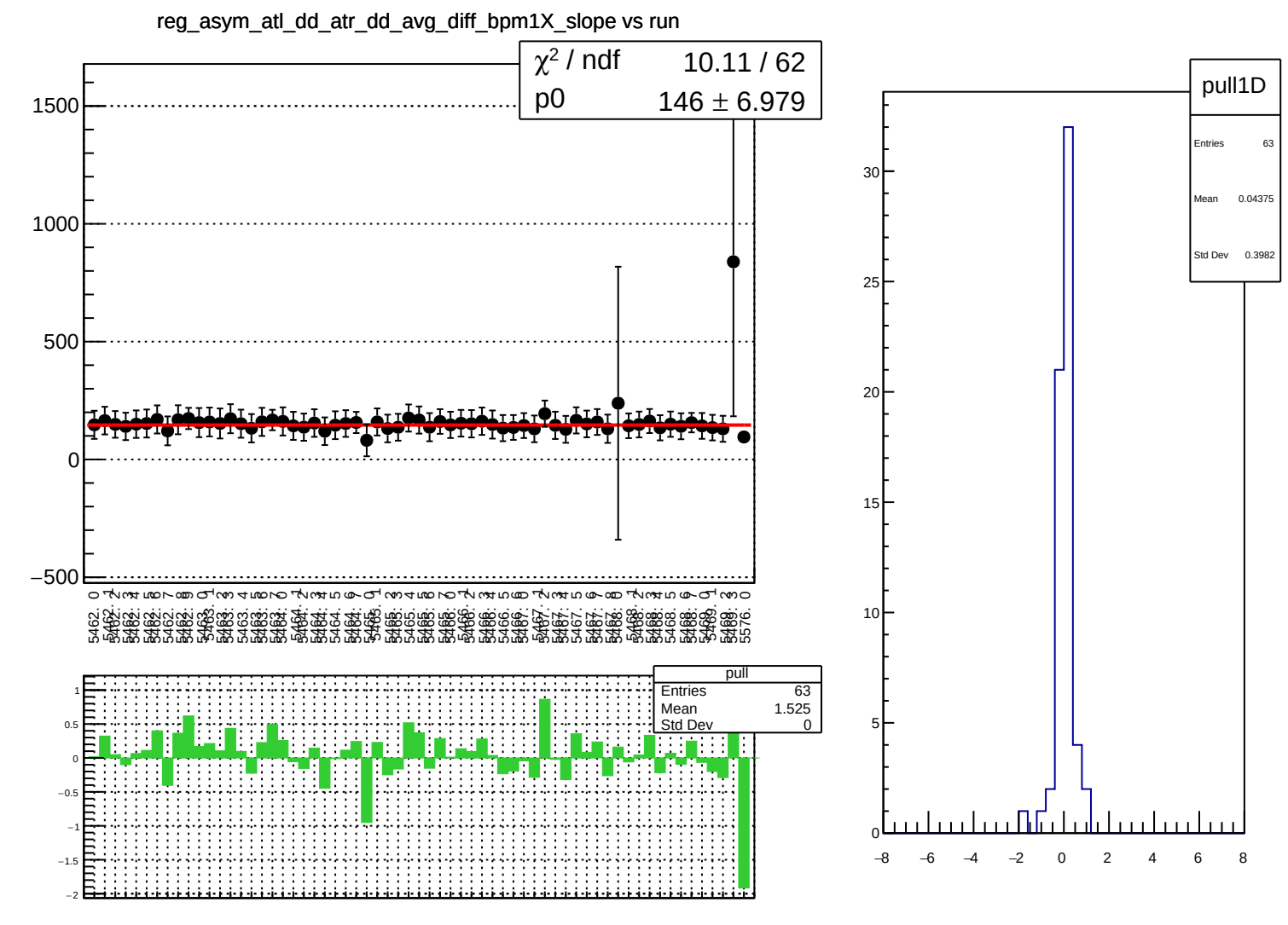

pull1D
Entries 63
Mean −0.03597
Std Dev 0.5846

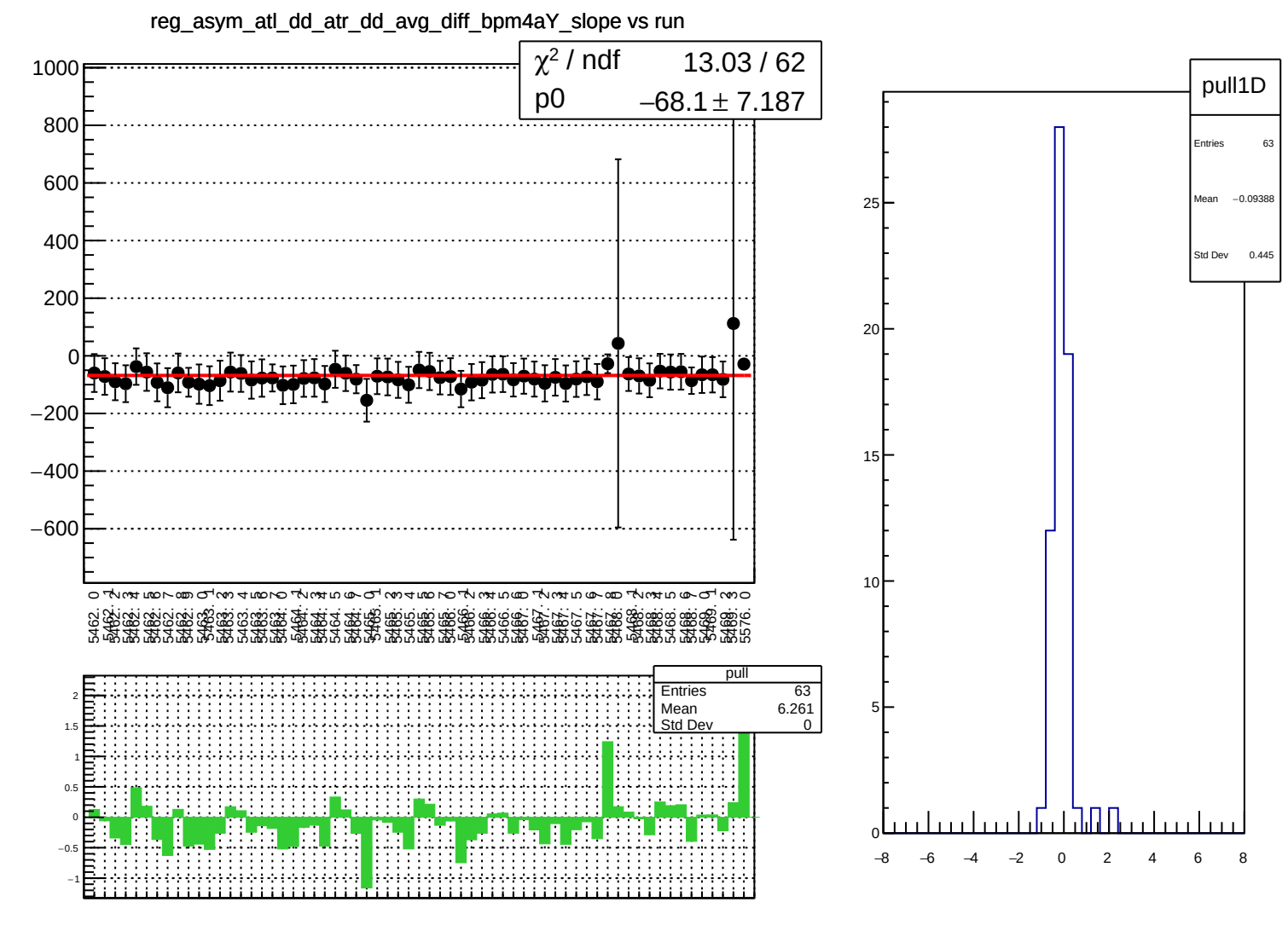

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.82 / 62
p0 −83.11 ± 4.326
pull
Entries 63
Mean 716.4
Std Dev 0

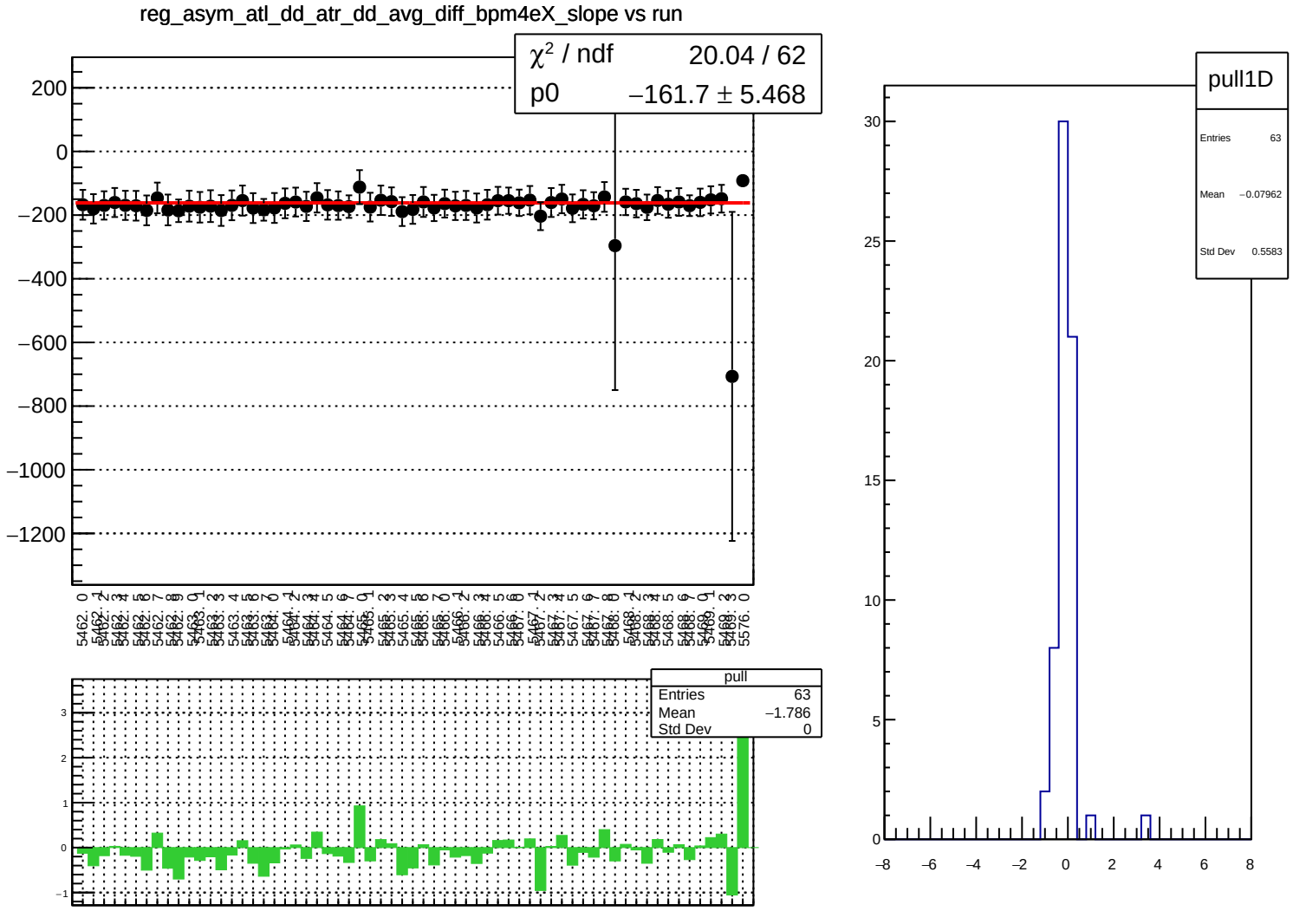

pull1D
Entries 63
Mean 0.001488
Std Dev 0.5885

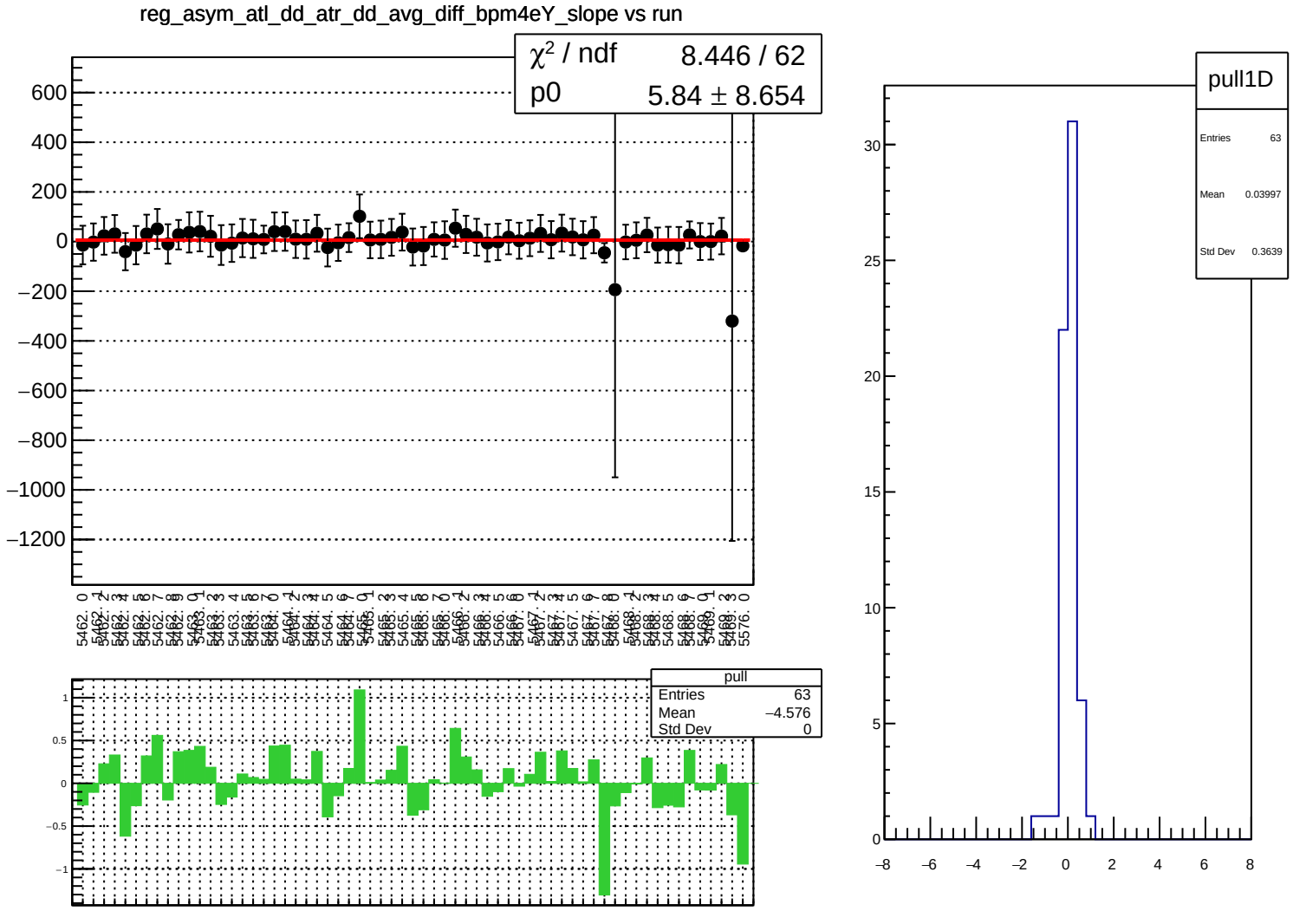

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.1 / 62
p0 0.256 ± 7.056
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 63
Mean −47.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 63
Mean 0.02203
Std Dev 0.5783
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

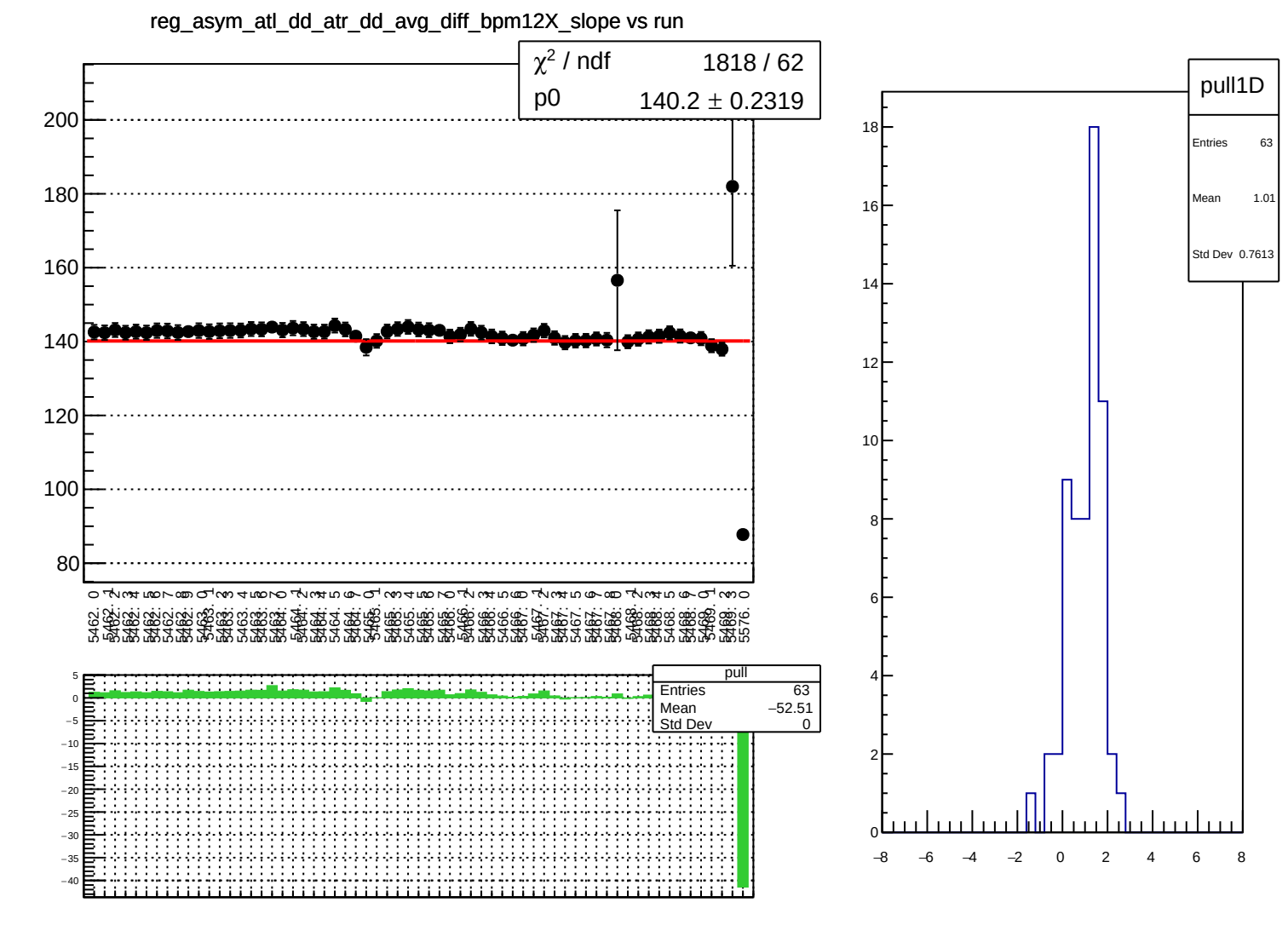

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 48.7 / 62
p0 95.01 ± 0.1811
pull
Entries 63
Mean 85.17
Std Dev 0
pull1D
Entries 63
Mean 0.04651
Std Dev 0.878

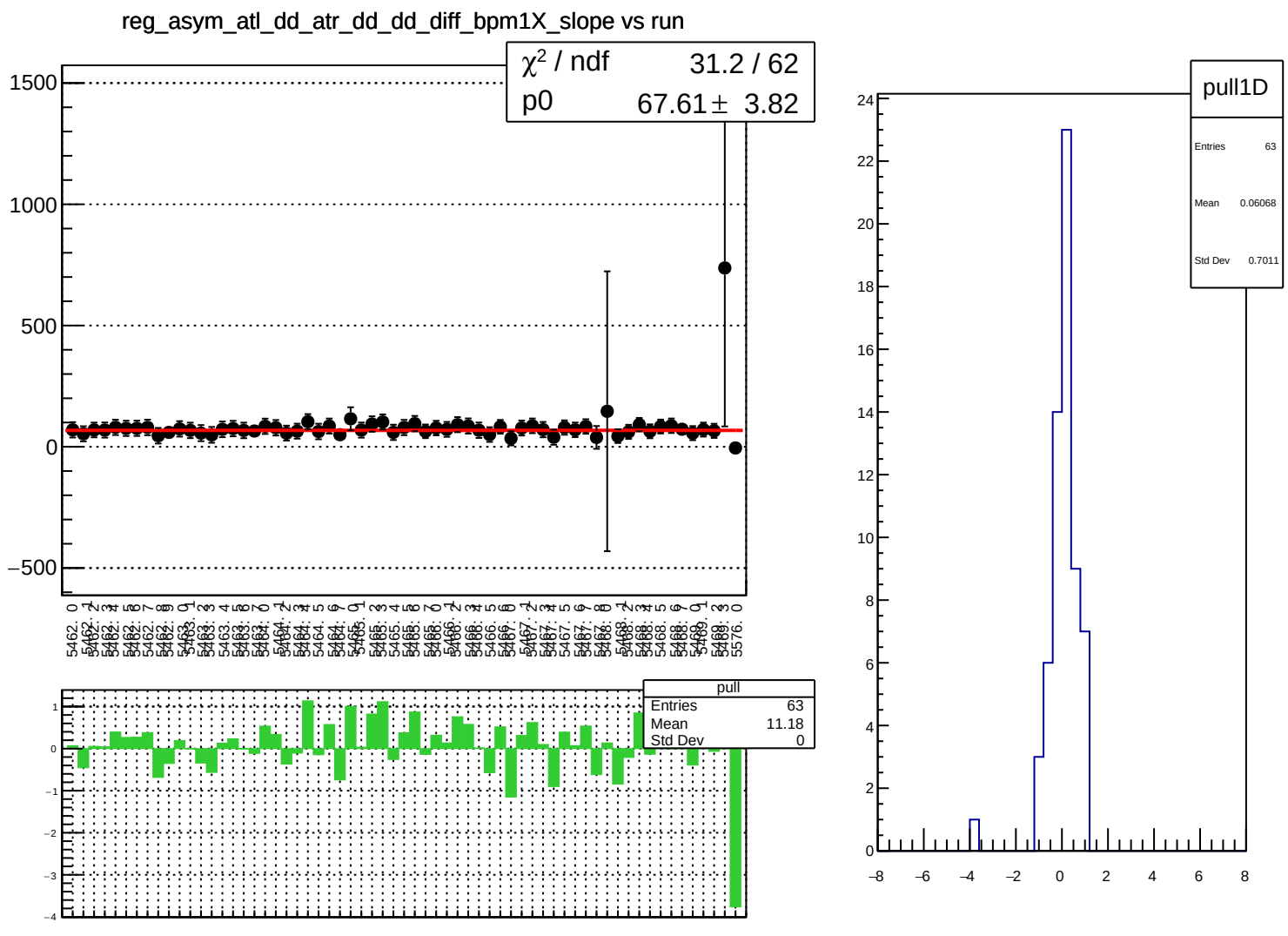

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 10.11 / 62
p0 146 ± 6.979
pull
Entries 63
Mean 1.525
Std Dev 0
pull1D
Entries 63
Mean 0.04375
Std Dev 0.3982

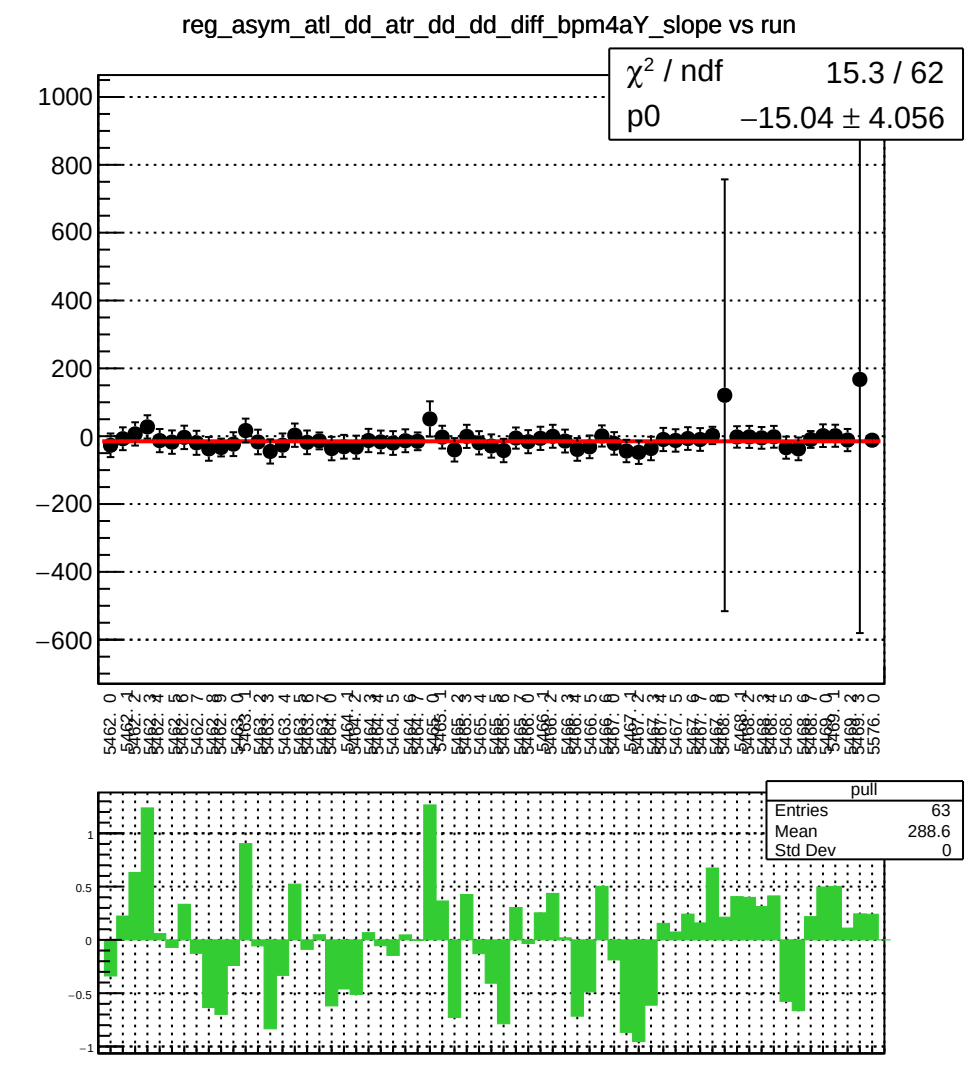

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.03 / 62
p0 −68.1 ± 7.187
pull
Entries 63
Mean 6.261
Std Dev 0
pull1D
Entries 63
Mean −0.09388
Std Dev 0.445

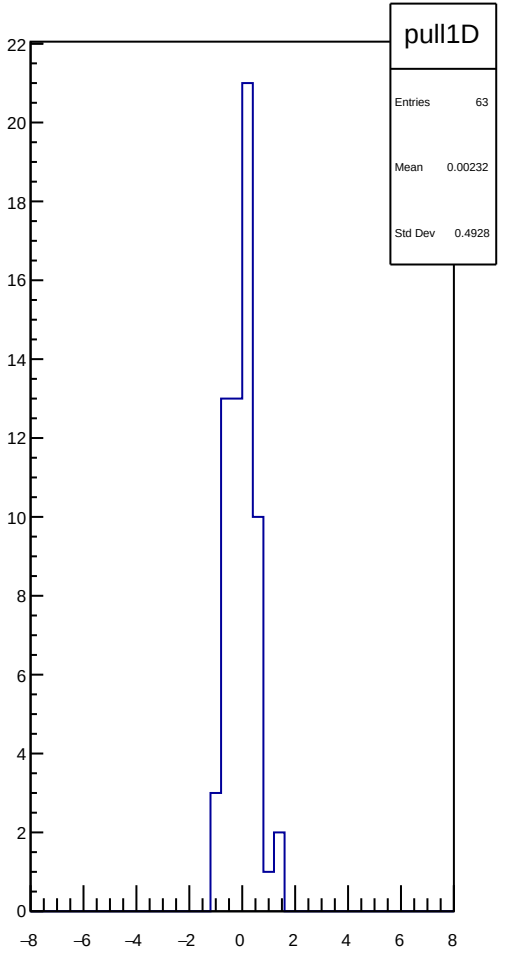

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.04 / 62
p0 −161.7 ± 5.468
pull
Entries 63
Mean −1.786
Std Dev 0
pull1D
Entries 63
Mean −0.07962
Std Dev 0.5583

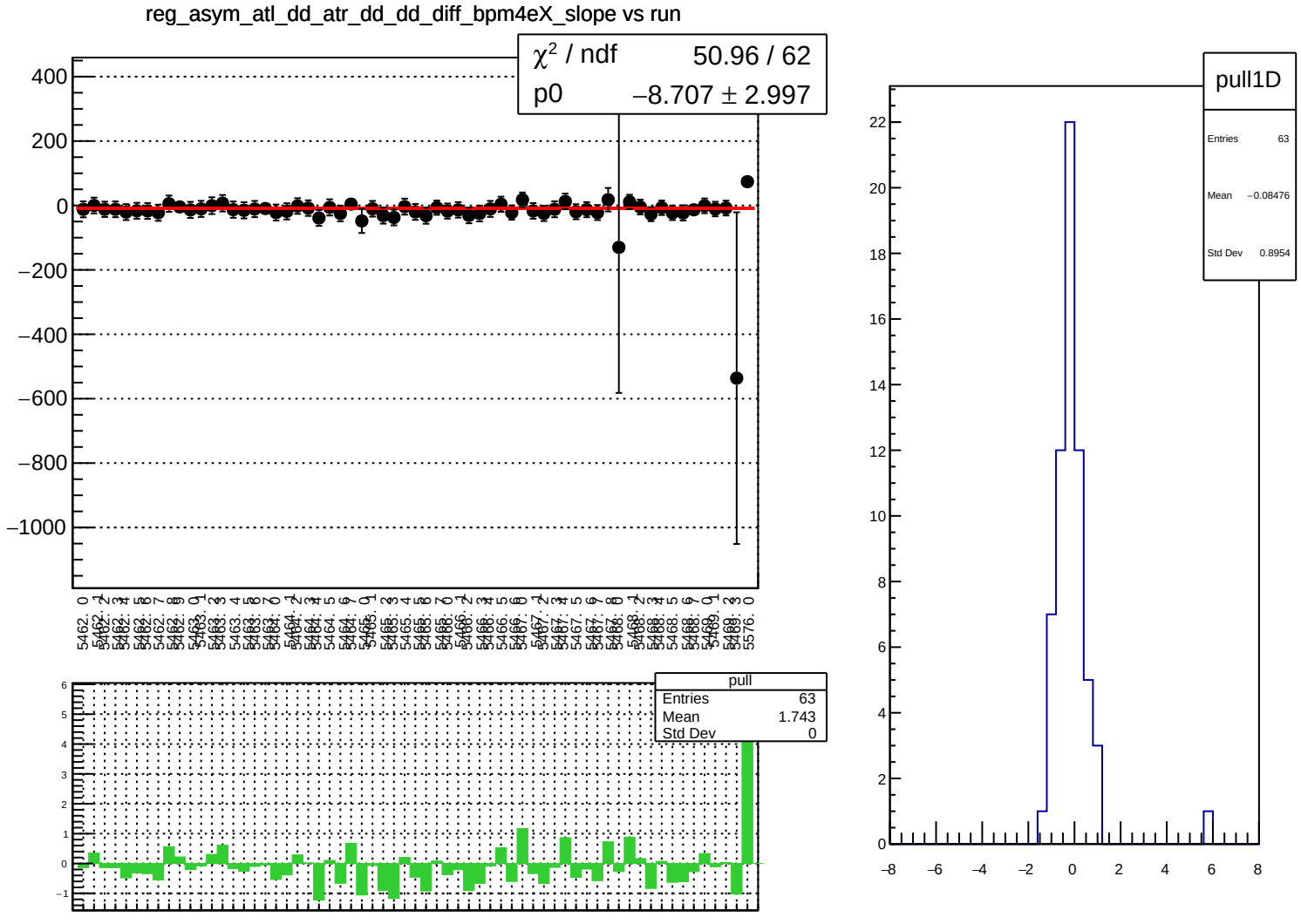

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.446 / 62
p0 5.84 ± 8.654
pull
Entries 63
Mean −4.576
Std Dev 0
pull1D
Entries 63
Mean 0.03997
Std Dev 0.3639

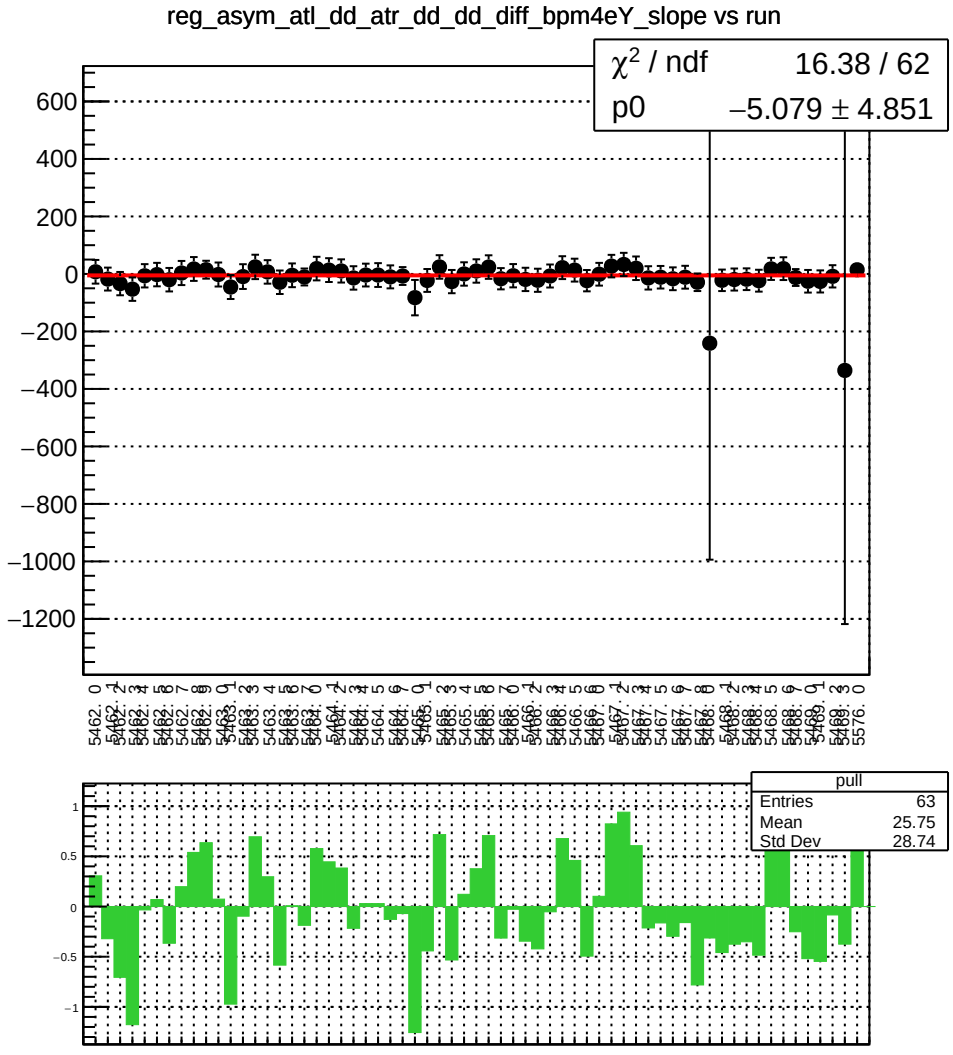

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1818 / 62
p0 140.2 ± 0.2319
pull
Entries 63
Mean −52.51
Std Dev 0
pull1D
Entries 63
Mean 1.01
Std Dev 0.7613

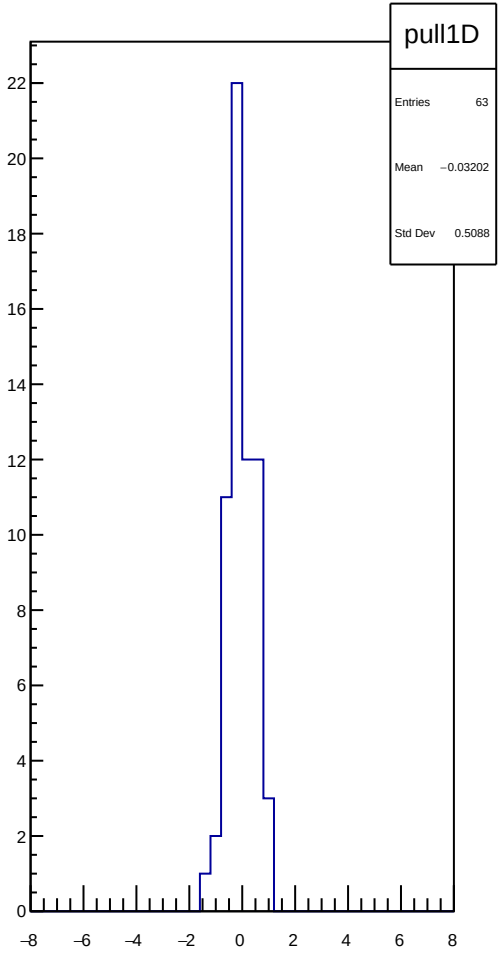

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 31.2 / 62
p0 67.61 ± 3.82
pull
Entries 63
Mean 11.18
Std Dev 0
pull1D
Entries 63
Mean 0.06068
Std Dev 0.7011

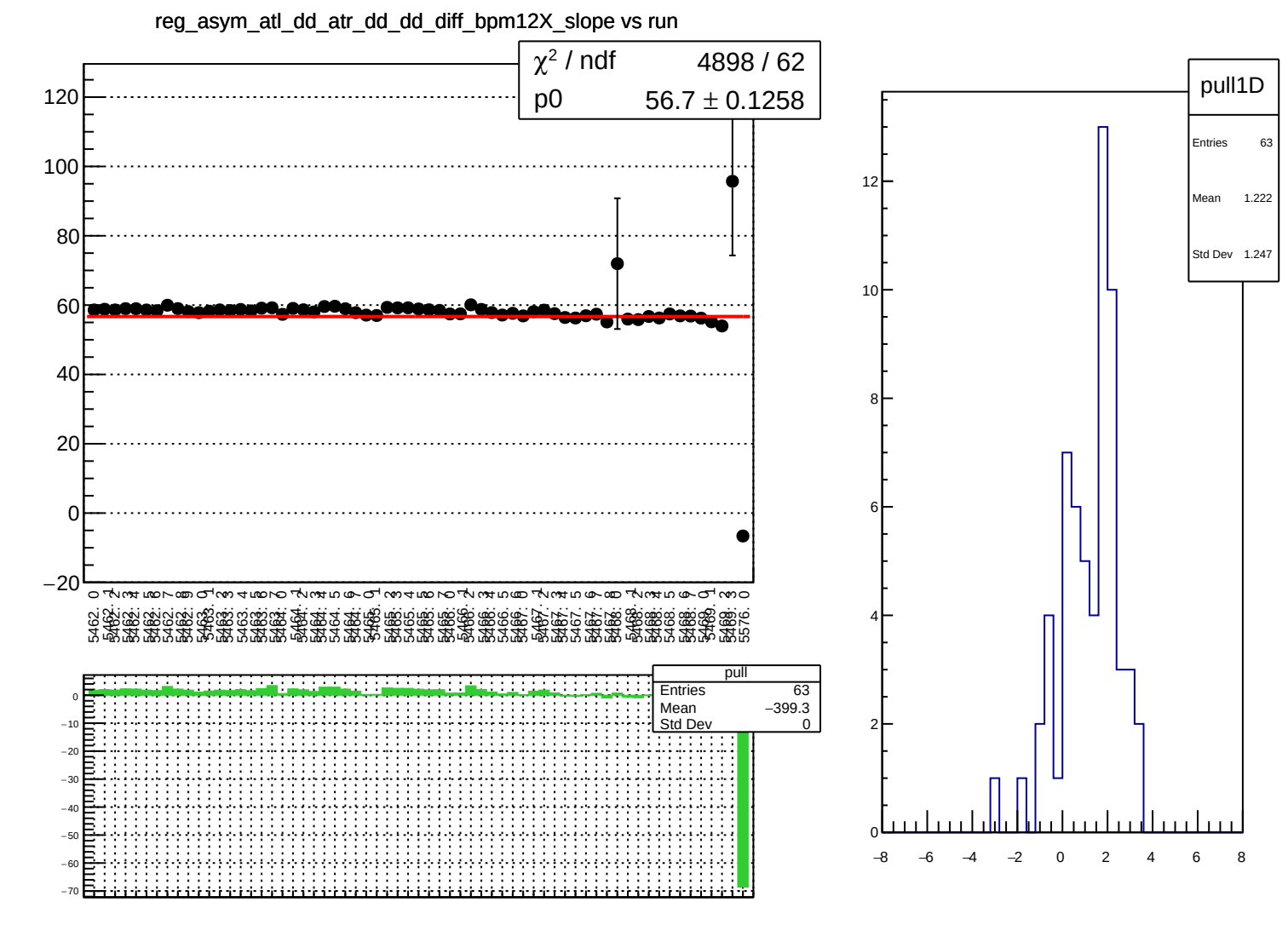

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.3 / 62
p0 −15.04 ± 4.056
pull
Entries 63
Mean 288.6
Std Dev 0

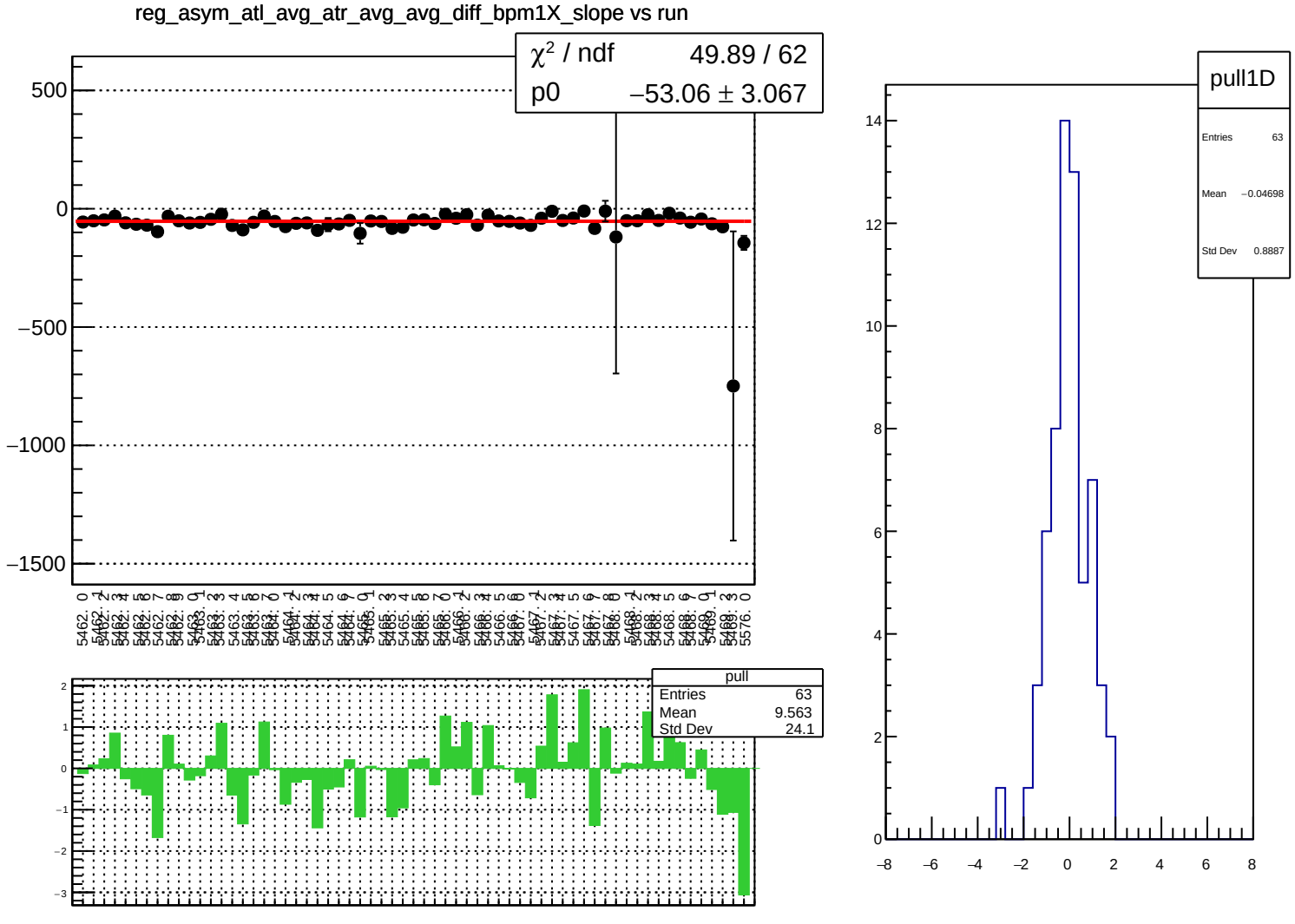

pull1D
Entries 63
Mean 0.00232
Std Dev 0.4928

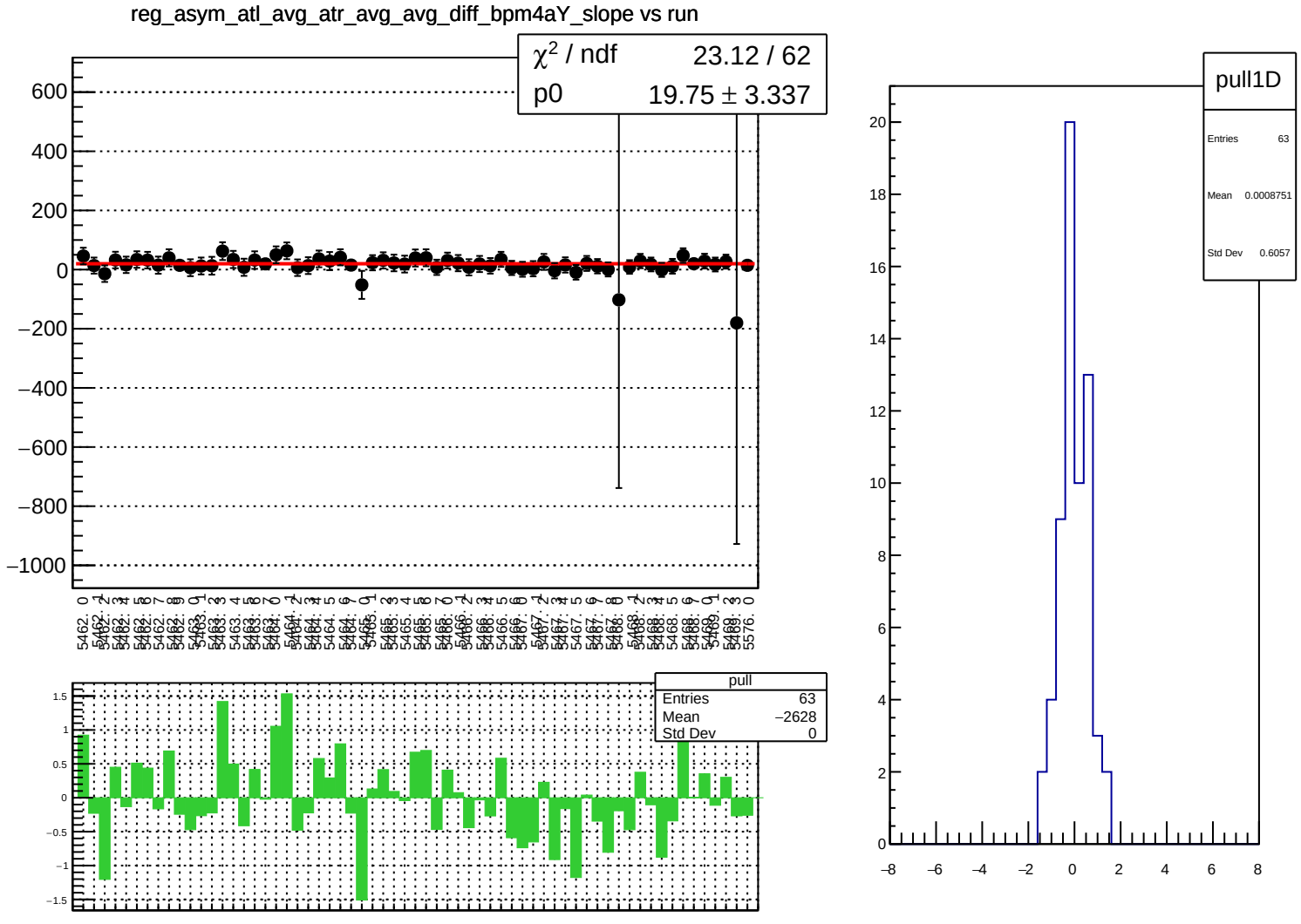

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.96 / 62
p0 −8.707 ± 2.997
pull
Entries 63
Mean 1.743
Std Dev 0
pull1D
Entries 63
Mean −0.08476
Std Dev 0.8954

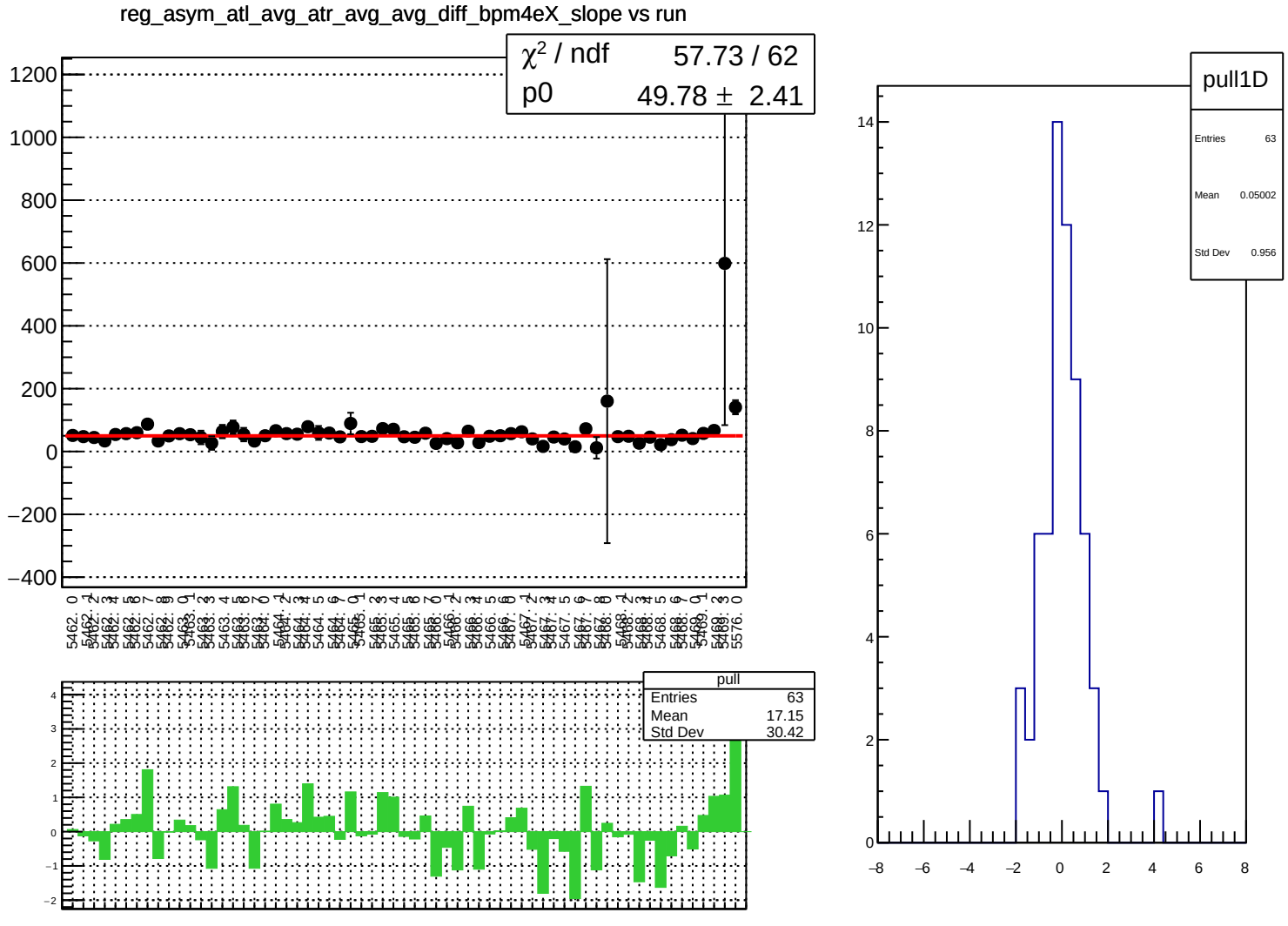

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.38 / 62
p0 −5.079 ± 4.851
pull
Entries 63
Mean 25.75
Std Dev 28.74

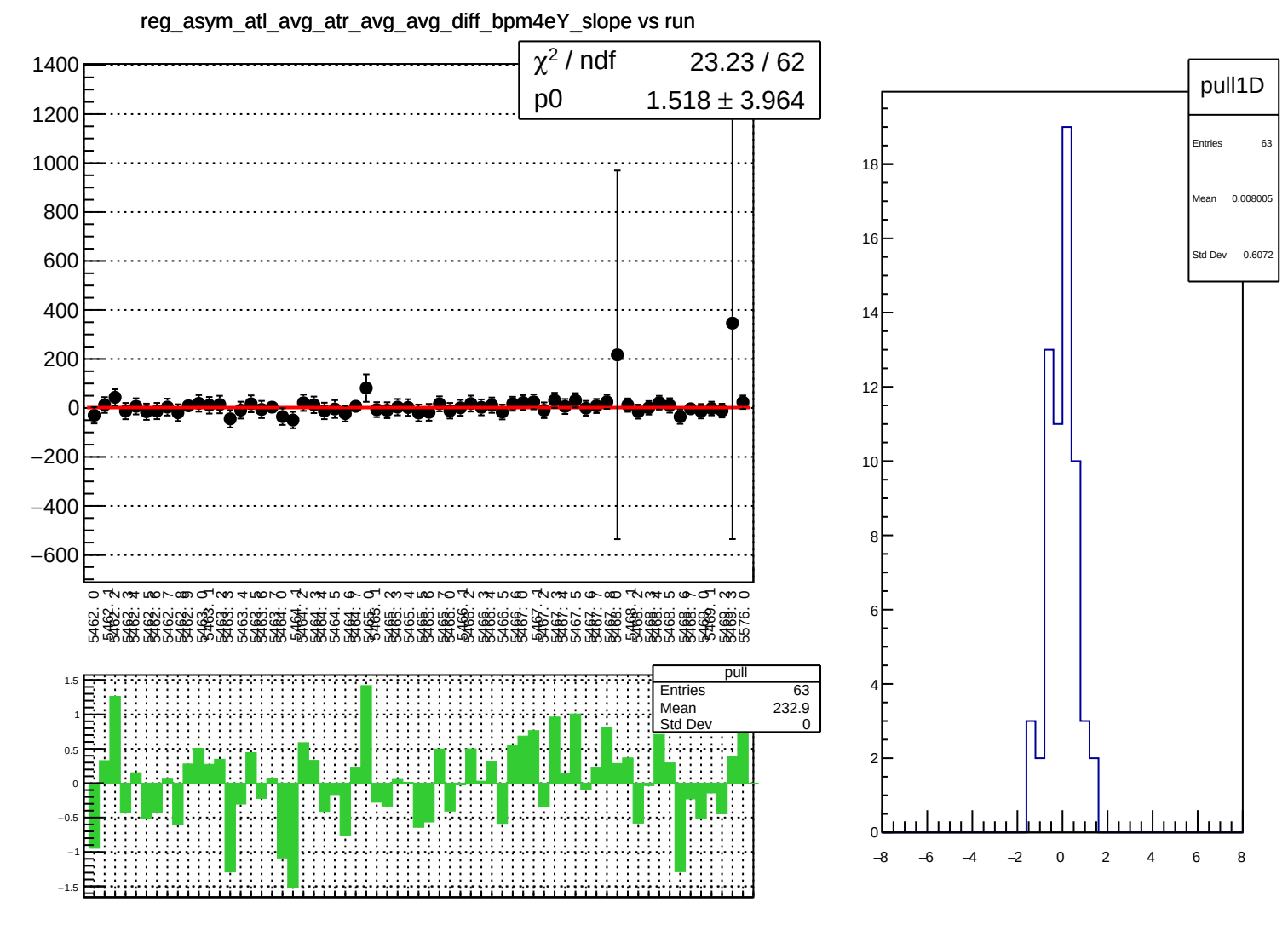

pull1D
Entries 63
Mean −0.03202
Std Dev 0.5088

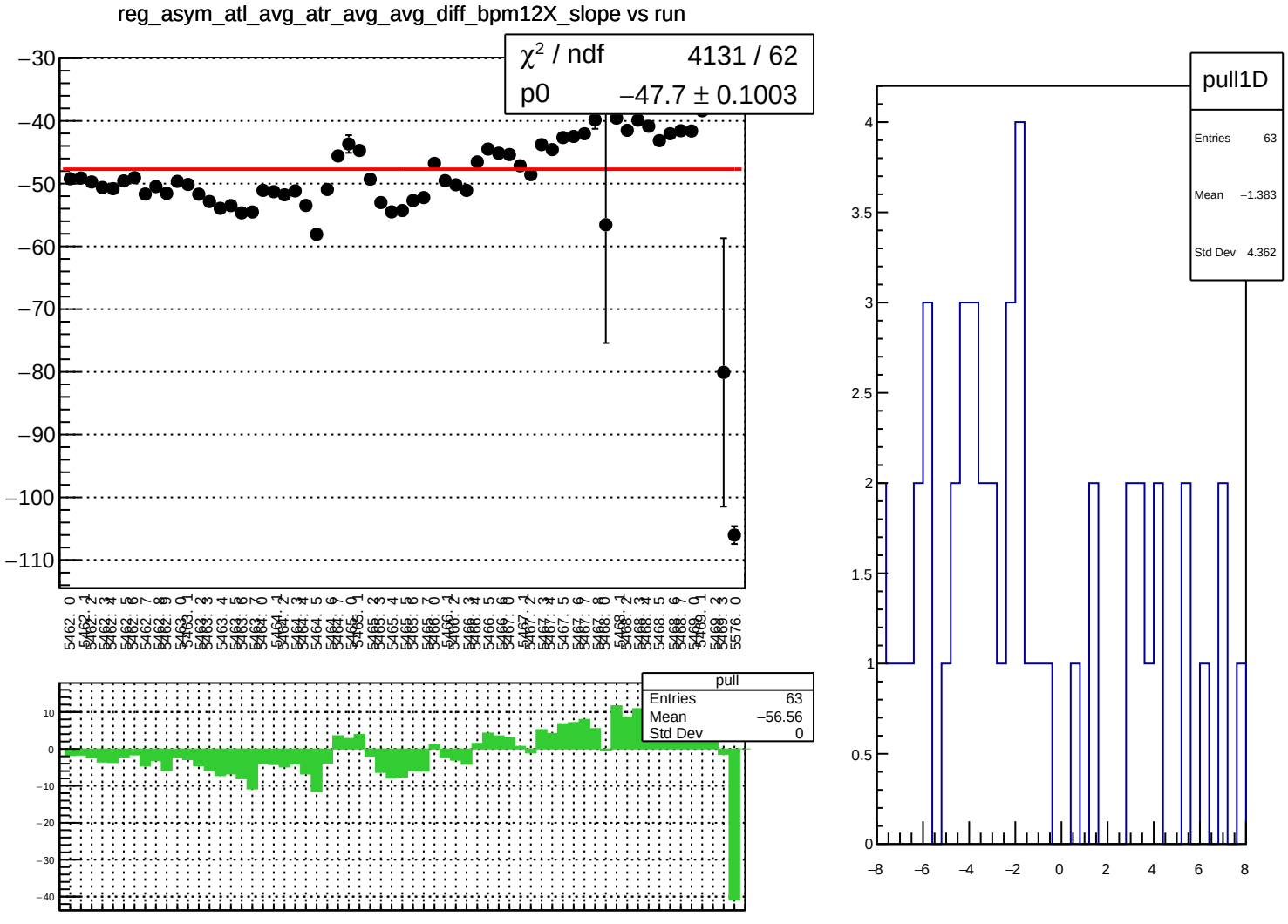

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 4898 / 62
p0 56.7 ± 0.1258
pull
Entries 63
Mean −399.3
Std Dev 0
pull1D
Entries 63
Mean 1.222
Std Dev 1.247

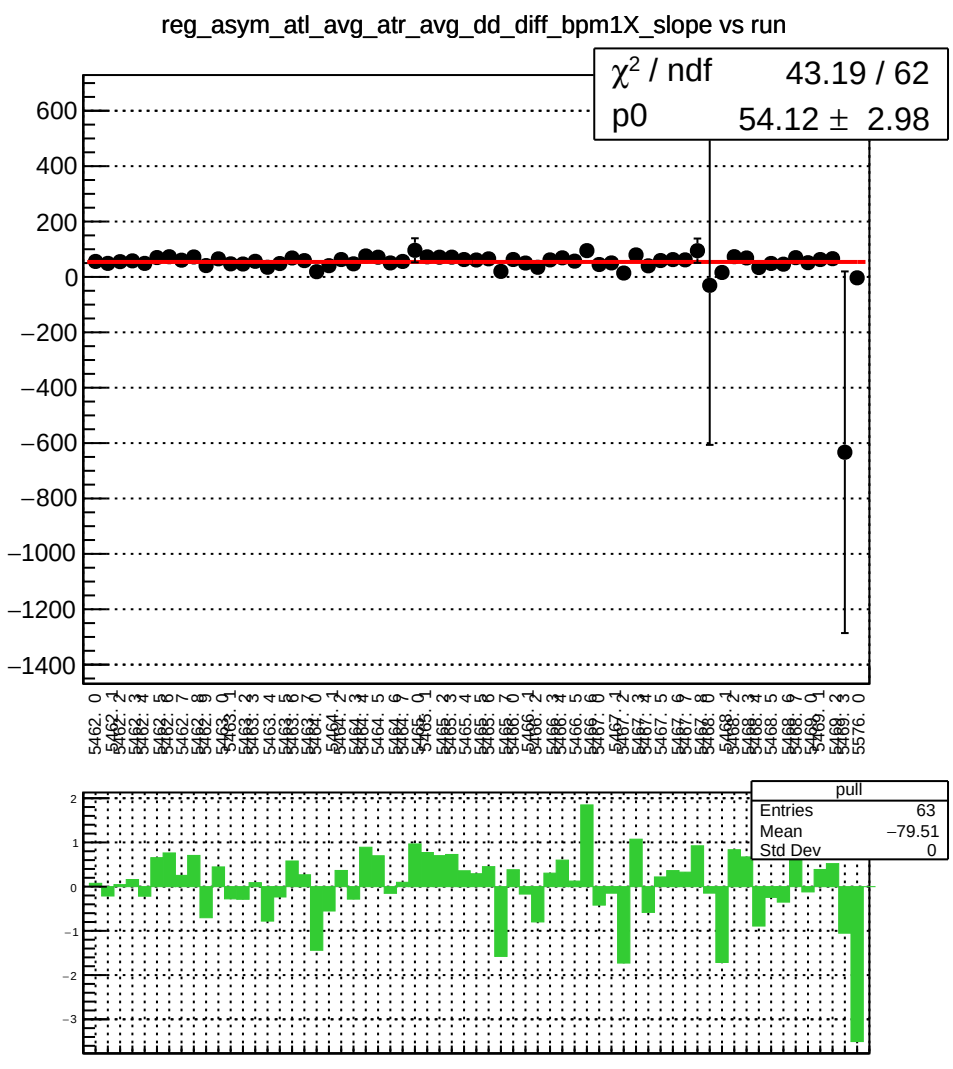

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 49.89 / 62
p0 −53.06 ± 3.067
pull
Entries 63
Mean 9.563
Std Dev 24.1
pull1D
Entries 63
Mean −0.04698
Std Dev 0.8887

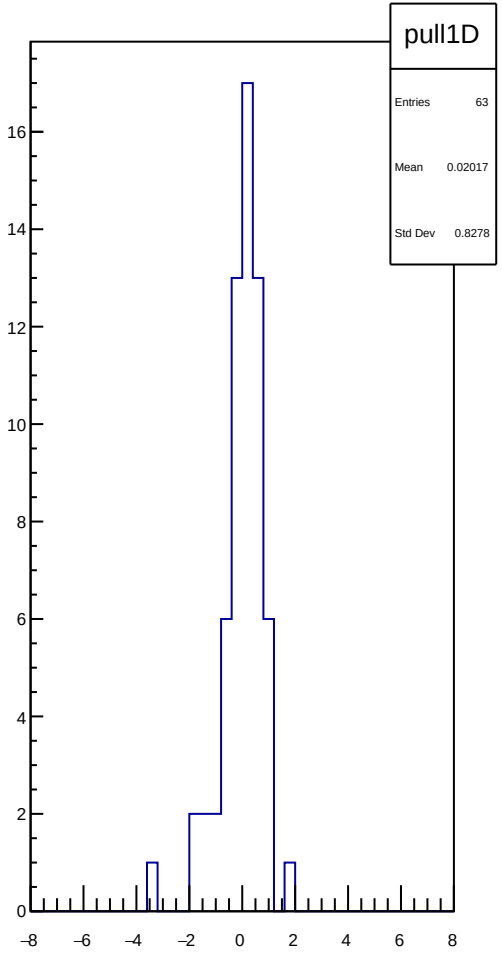

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.12 / 62
p0 19.75 ± 3.337
pull
Entries 63
Mean −2628
Std Dev 0
pull1D
Entries 63
Mean 0.0008751
Std Dev 0.6057

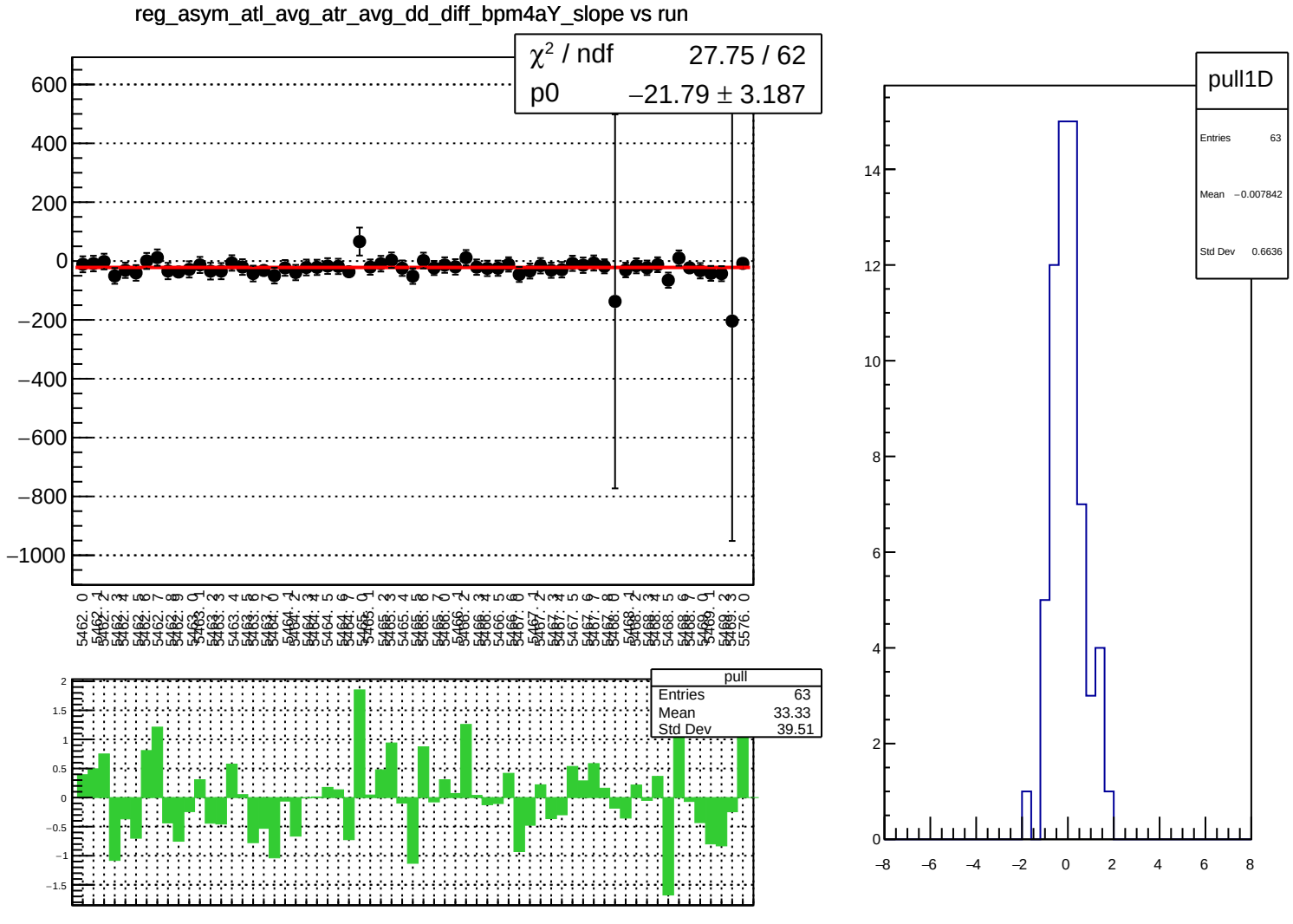

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.73 / 62
p0 49.78 ± 2.41
pull
Entries 63
Mean 17.15
Std Dev 30.42
pull1D
Entries 63
Mean 0.05002
Std Dev 0.956

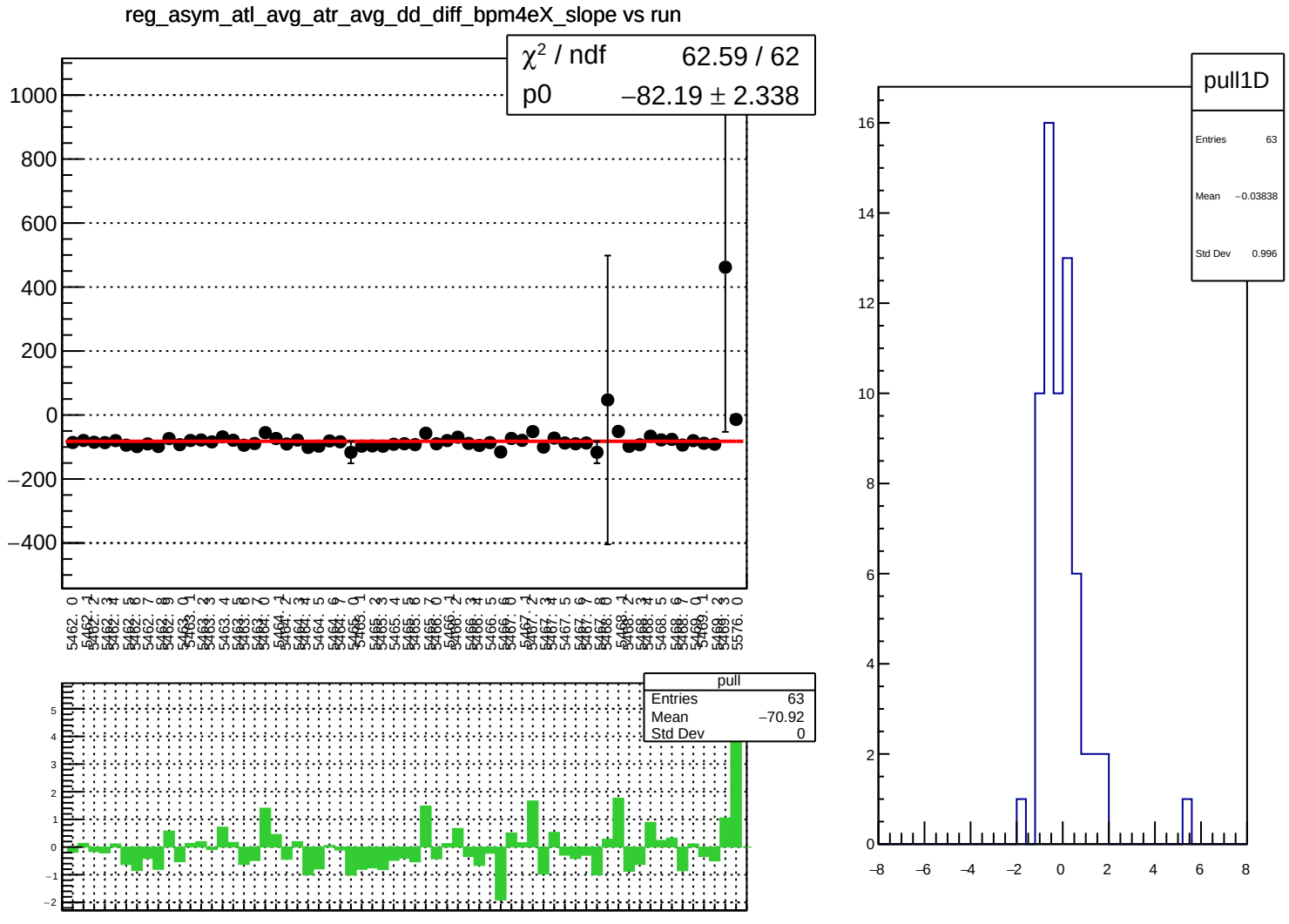

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.23 / 62
p0 1.518 ± 3.964
pull
Entries 63
Mean 232.9
Std Dev 0
pull1D
Entries 63
Mean 0.008005
Std Dev 0.6072

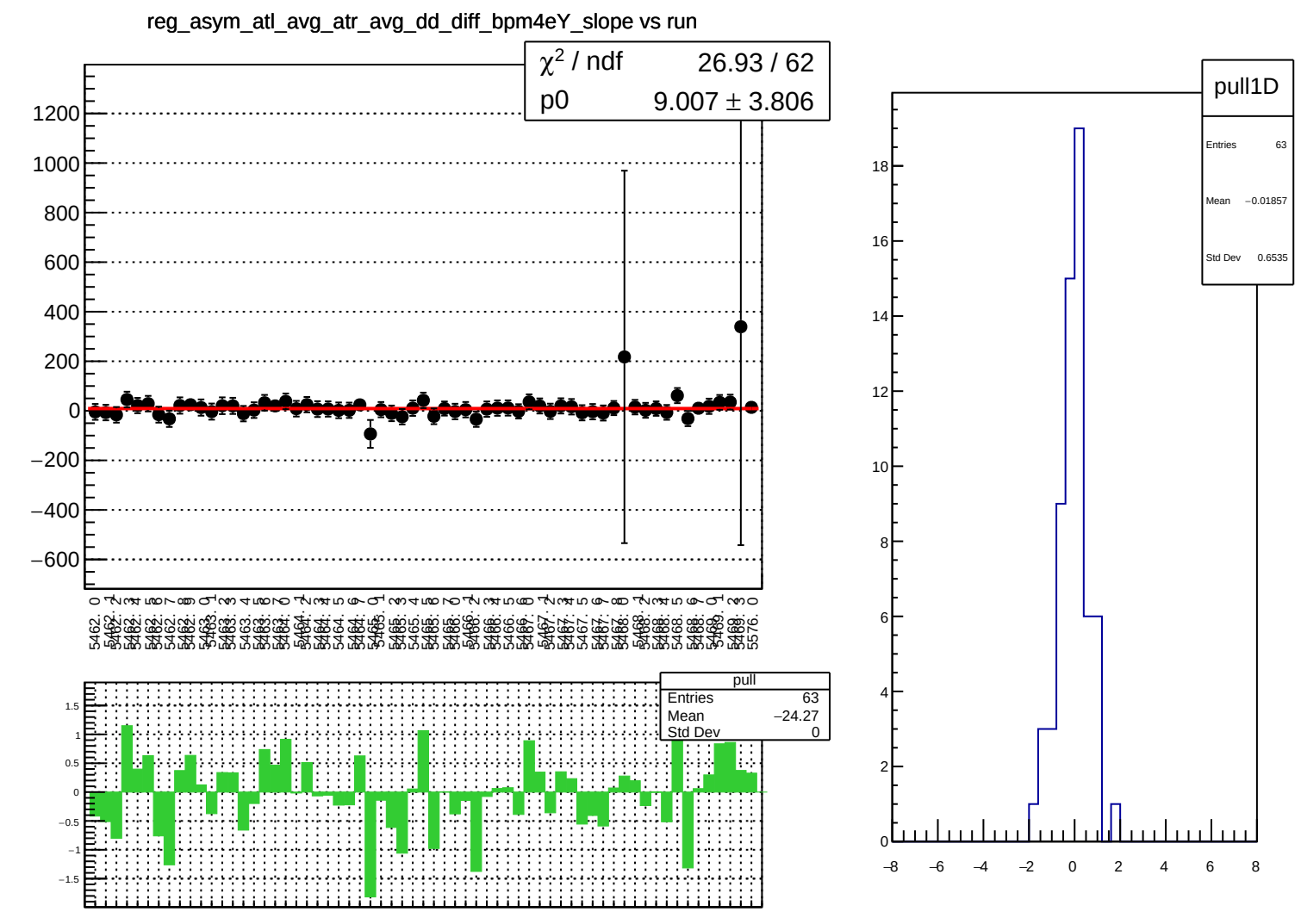

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 4131 / 62
p0 −47.7 ± 0.1003
pull
Entries 63
Mean −56.56
Std Dev 0
pull1D
Entries 63
Mean −1.383
Std Dev 4.362

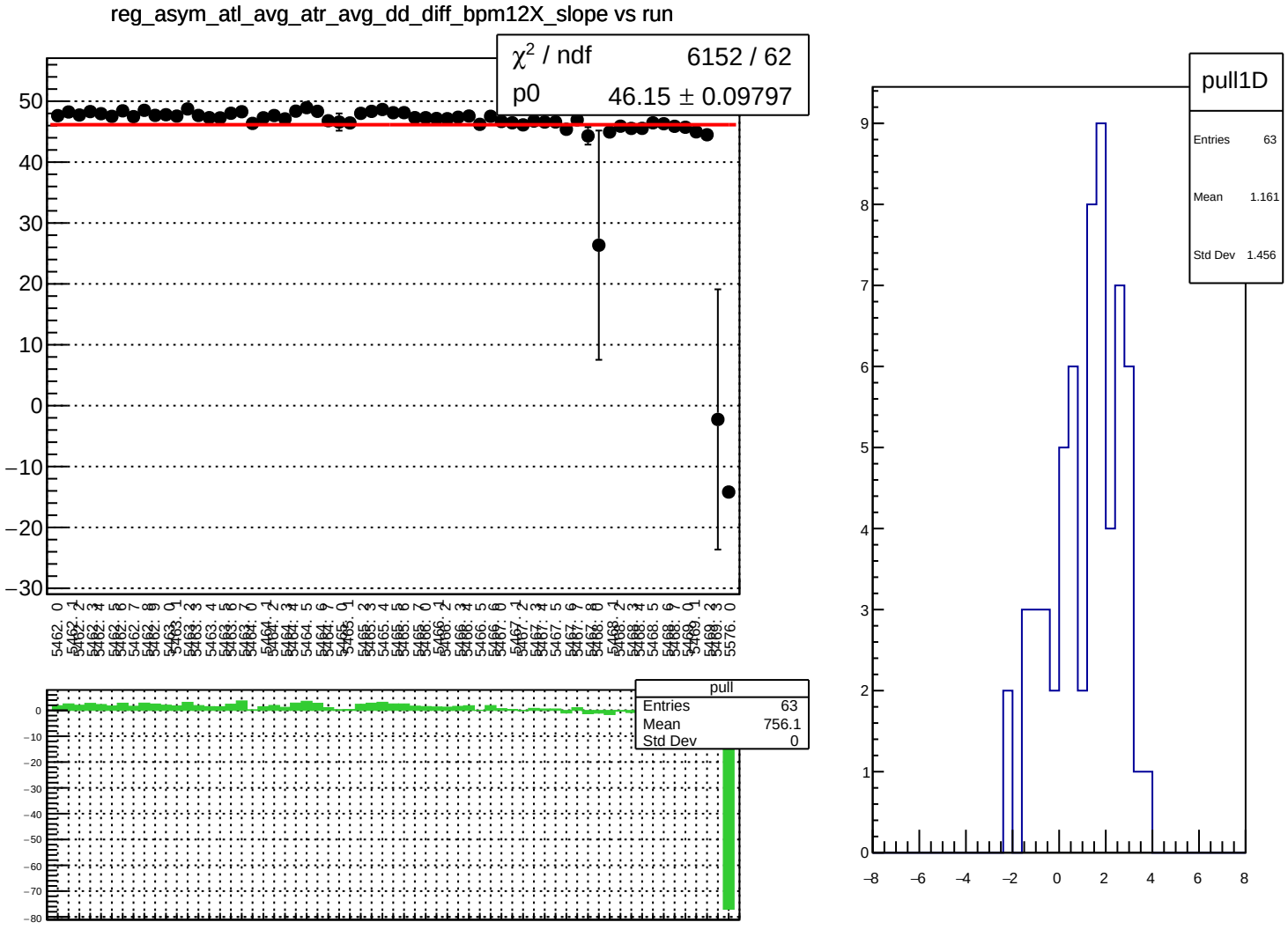

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 43.19 / 62
p0 54.12 ± 2.98
pull
Entries 63
Mean −79.51
Std Dev 0

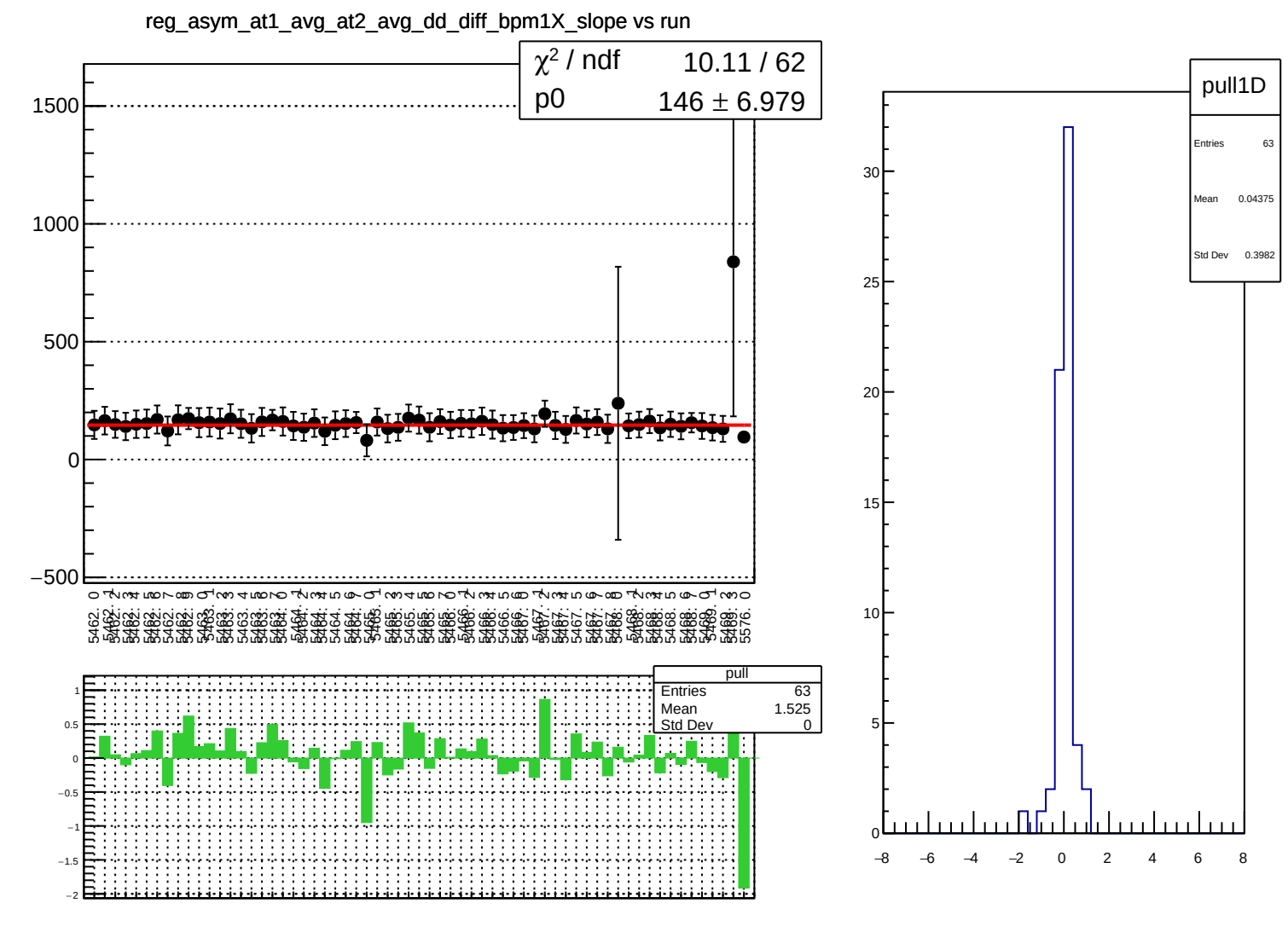

pull1D
Entries 63
Mean 0.02017
Std Dev 0.8278

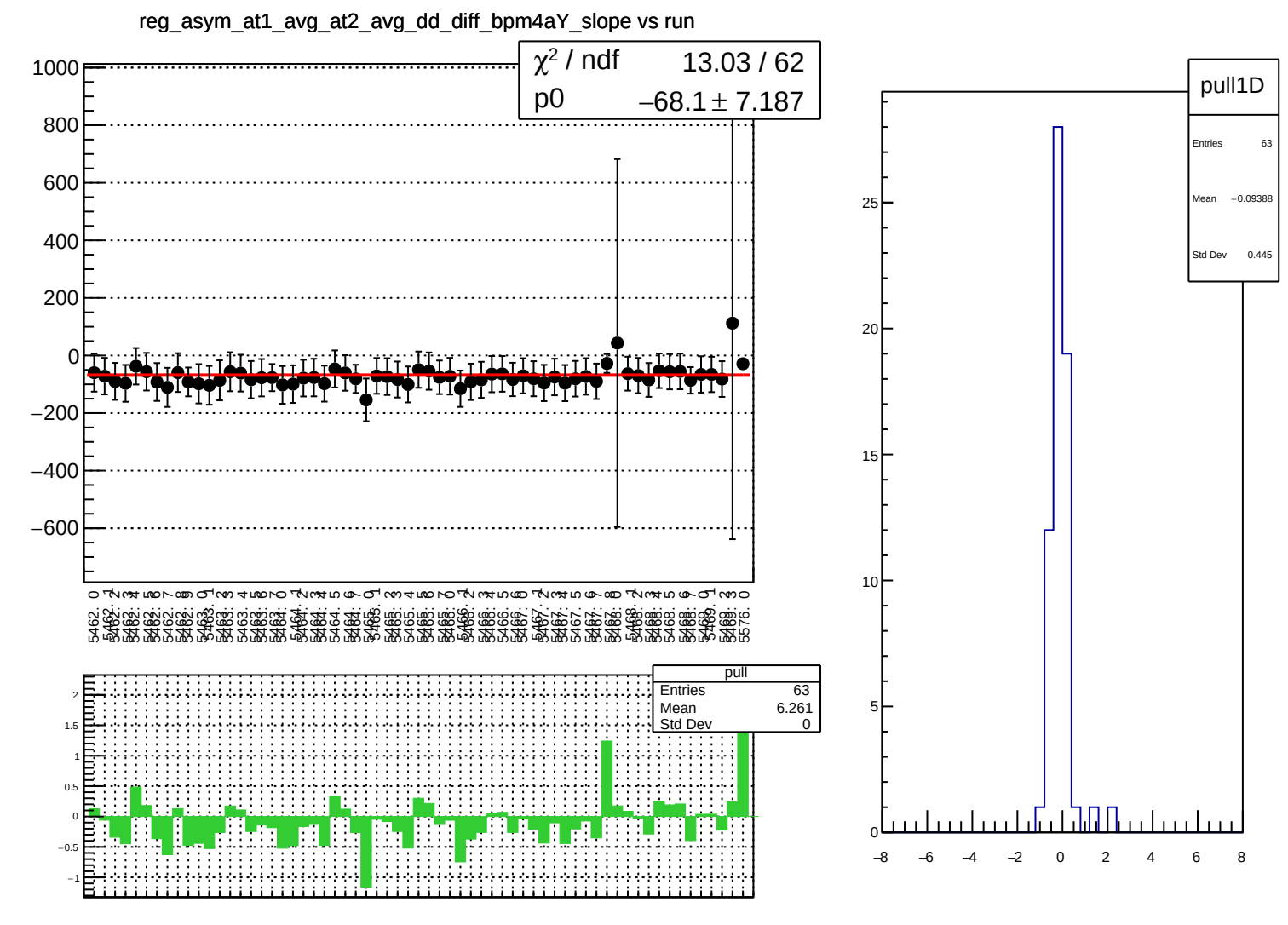

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.75 / 62
p0 −21.79 ± 3.187
pull
Entries 63
Mean 33.33
Std Dev 39.51
pull1D
Entries 63
Mean −0.007842
Std Dev 0.6636

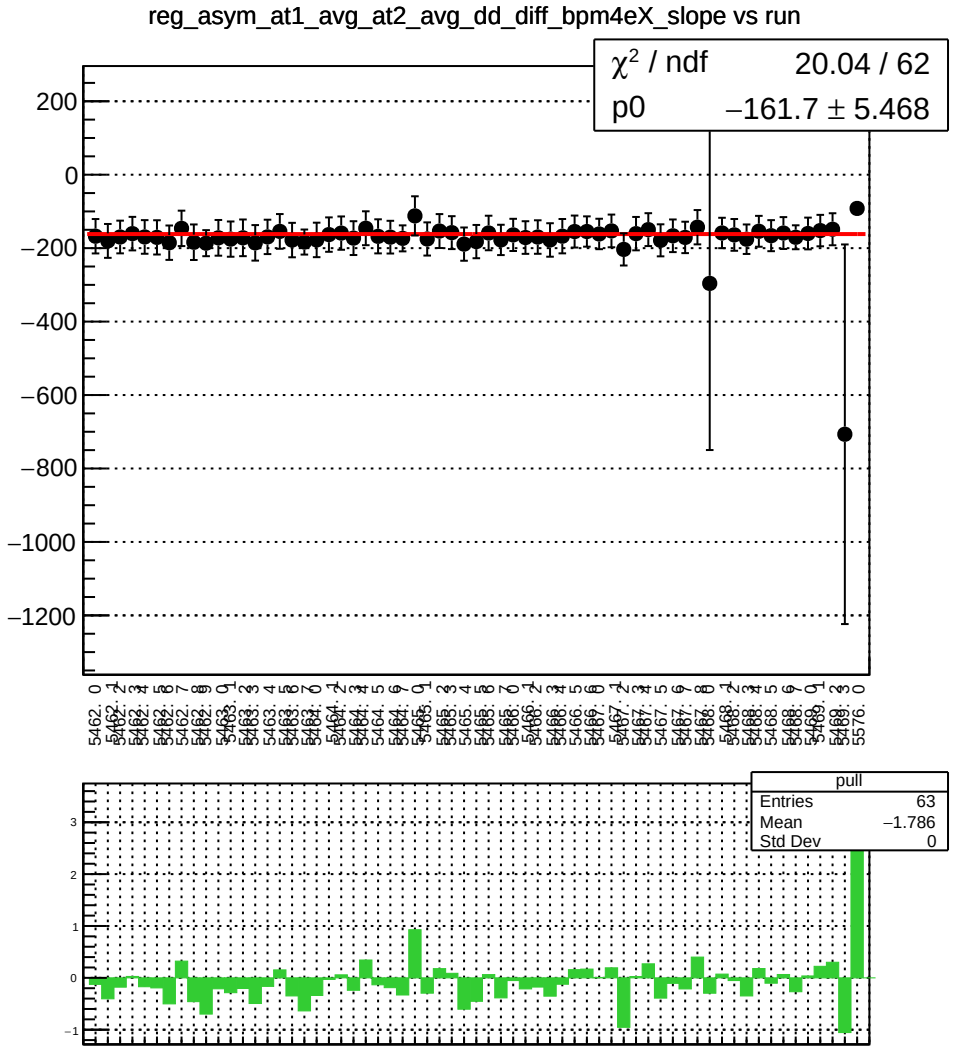

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.59 / 62
p0 −82.19 ± 2.338
pull
Entries 63
Mean −70.92
Std Dev 0
pull1D
Entries 63
Mean −0.03838
Std Dev 0.996

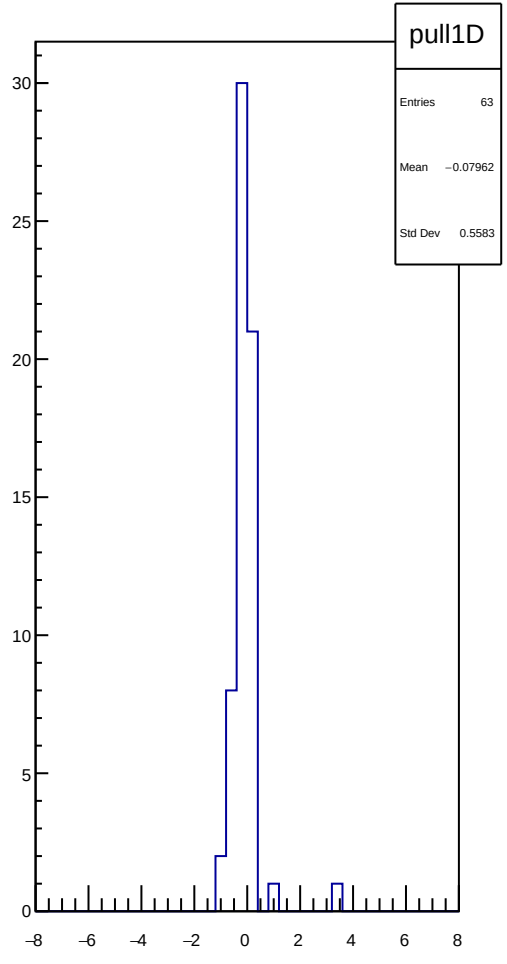

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.93 / 62
p0 9.007 ± 3.806
pull
Entries 63
Mean −24.27
Std Dev 0
pull1D
Entries 63
Mean −0.01857
Std Dev 0.6535

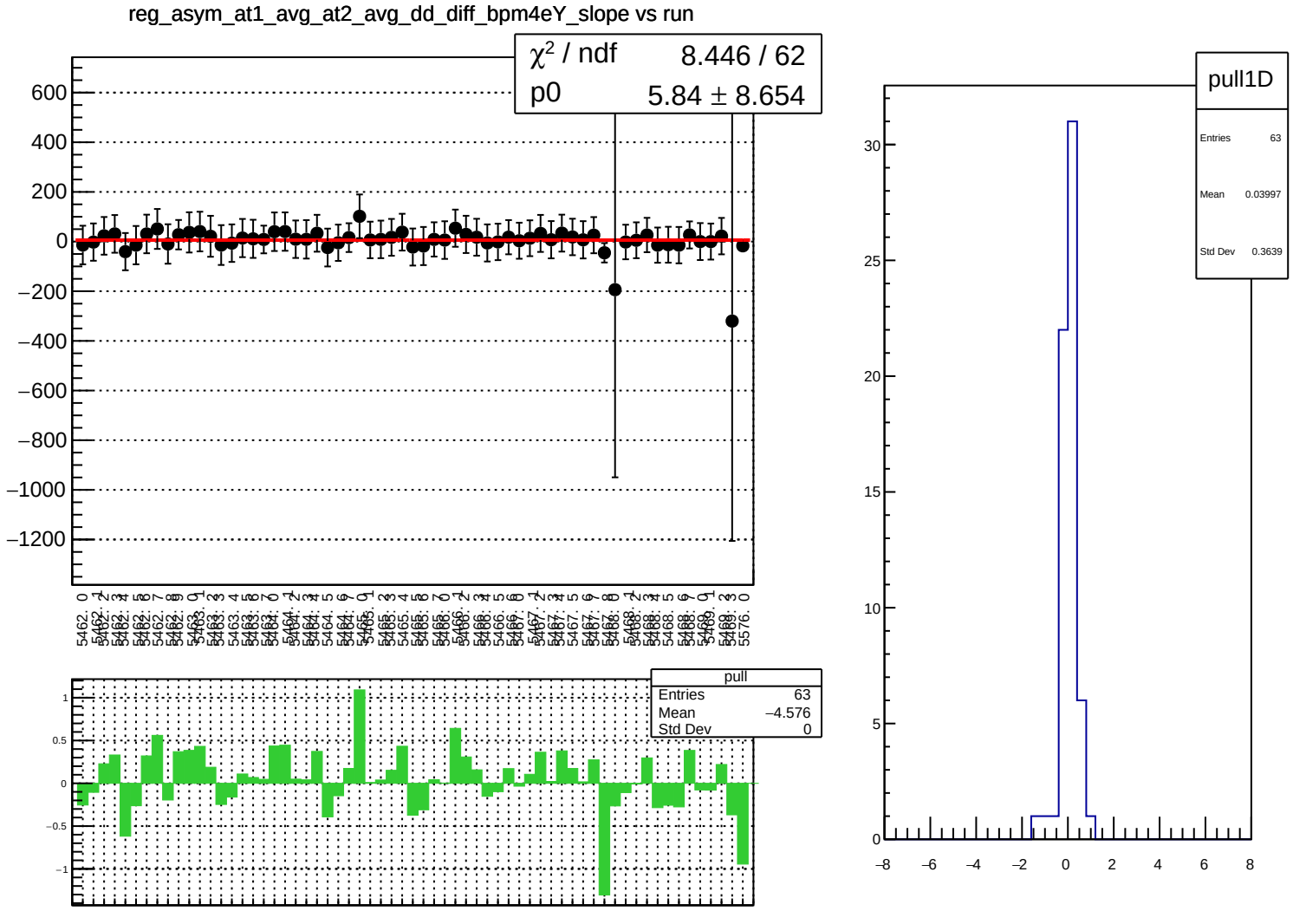

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6152 / 62
p0 46.15 ± 0.09797
pull
Entries 63
Mean 756.1
Std Dev 0
pull1D
Entries 63
Mean 1.161
Std Dev 1.456

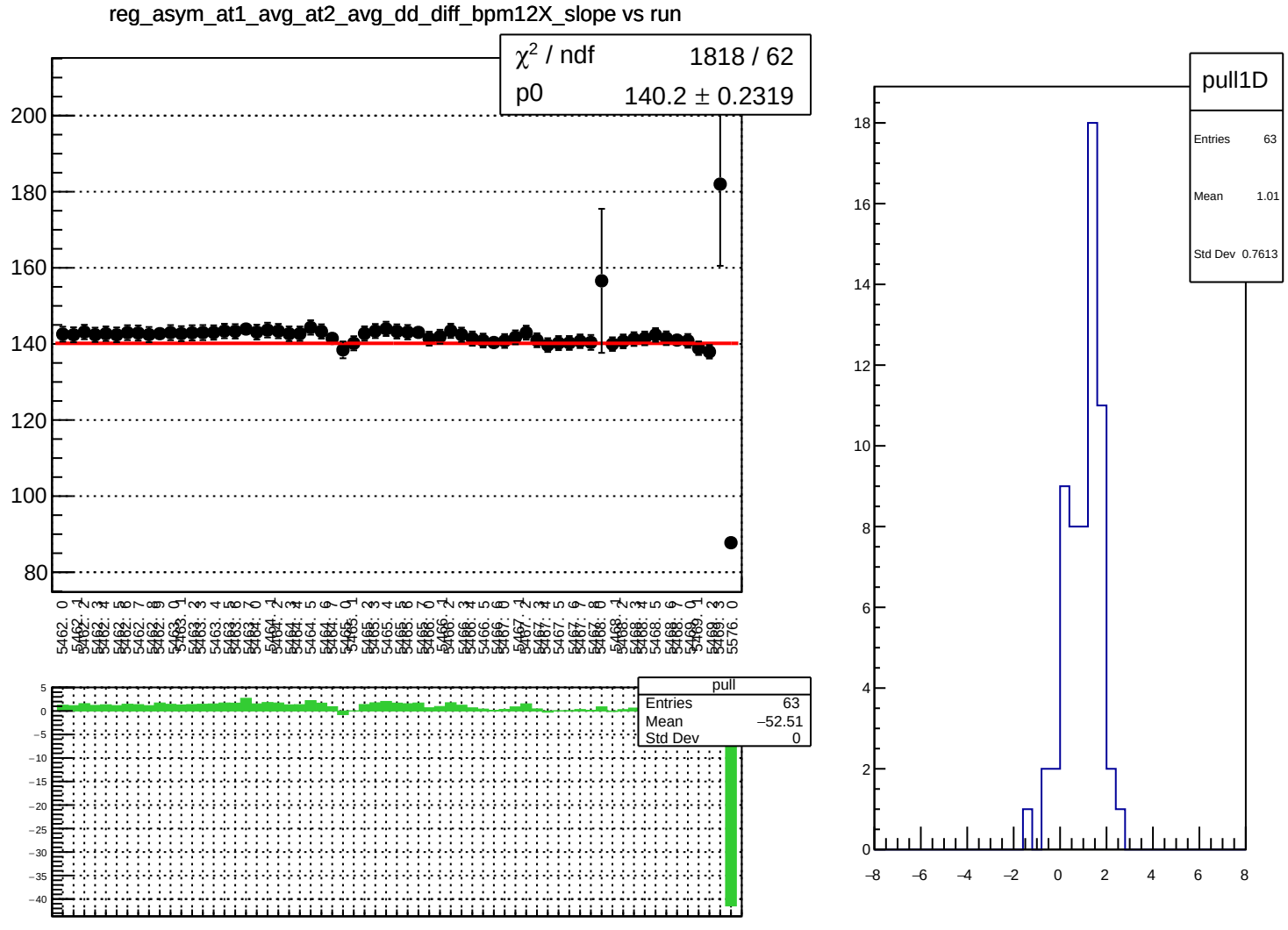

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 10.11 / 62
p0 146 ± 6.979
pull
Entries 63
Mean 1.525
Std Dev 0
pull1D
Entries 63
Mean 0.04375
Std Dev 0.3982

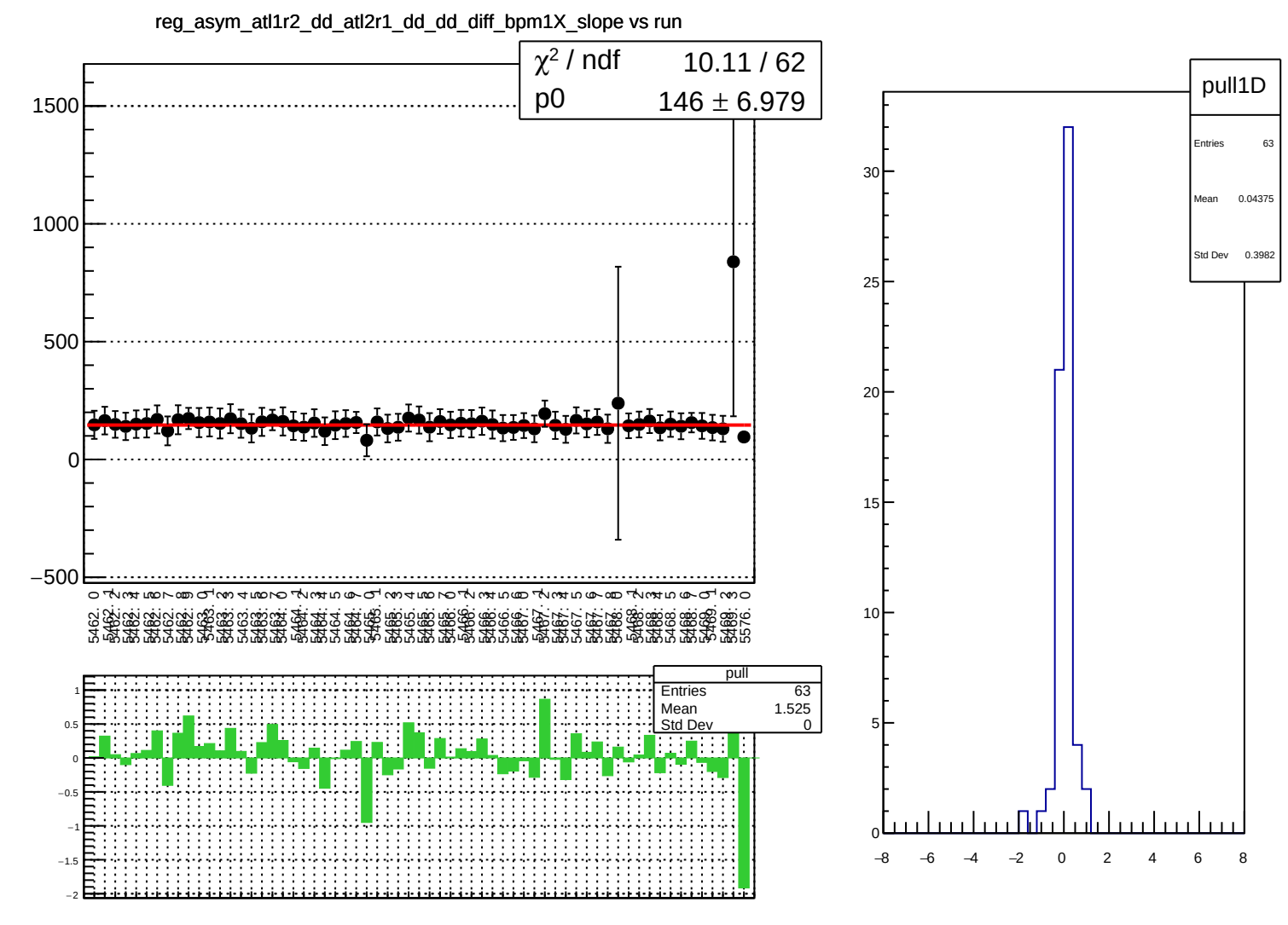

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.03 / 62
p0 −68.1 ± 7.187
pull
Entries 63
Mean 6.261
Std Dev 0
pull1D
Entries 63
Mean −0.09388
Std Dev 0.445

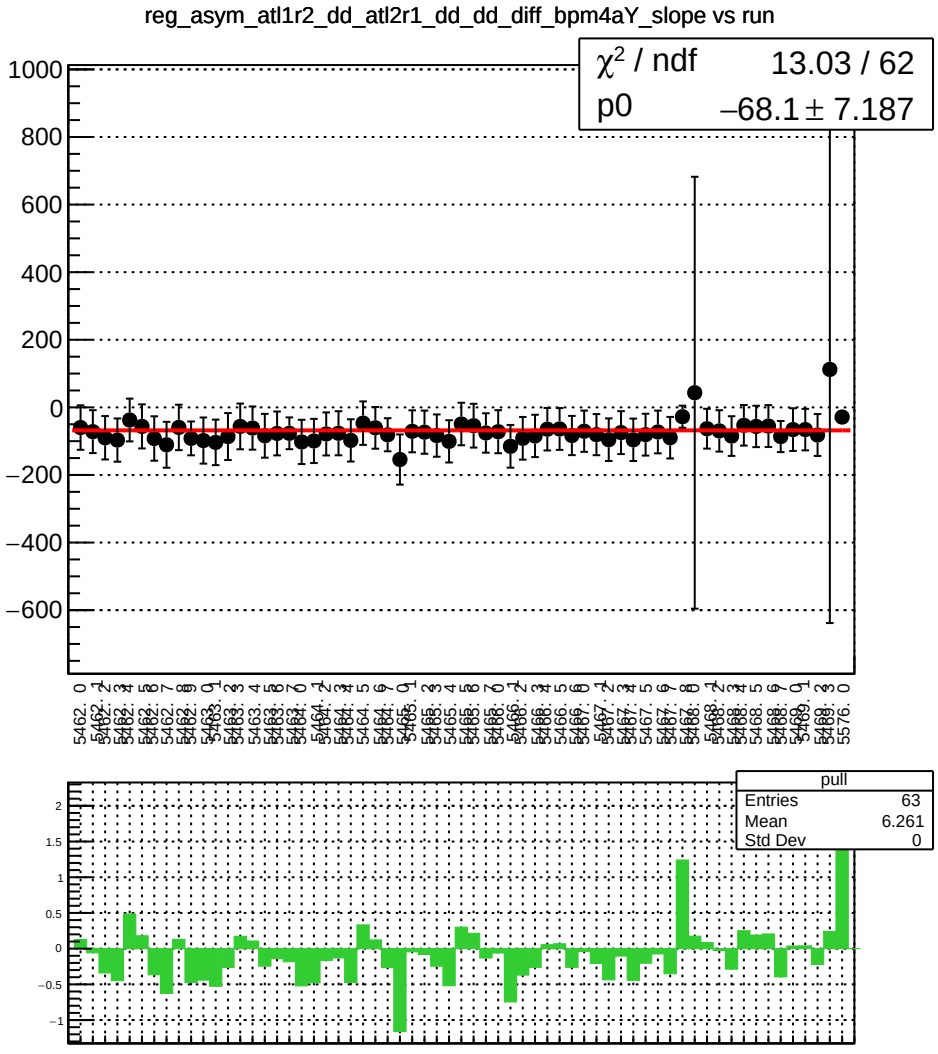

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.04 / 62
p0 −161.7 ± 5.468
pull
Entries 63
Mean −1.786
Std Dev 0

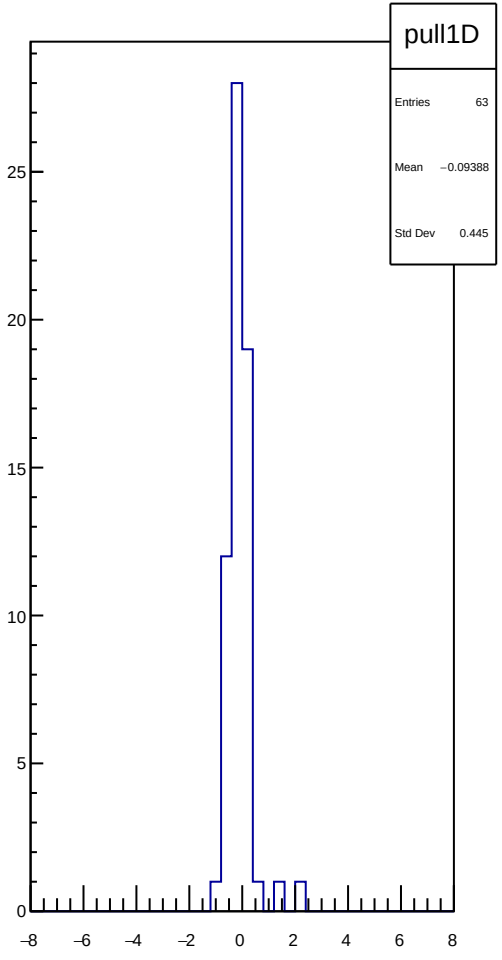

pull1D
Entries 63
Mean −0.07962
Std Dev 0.5583

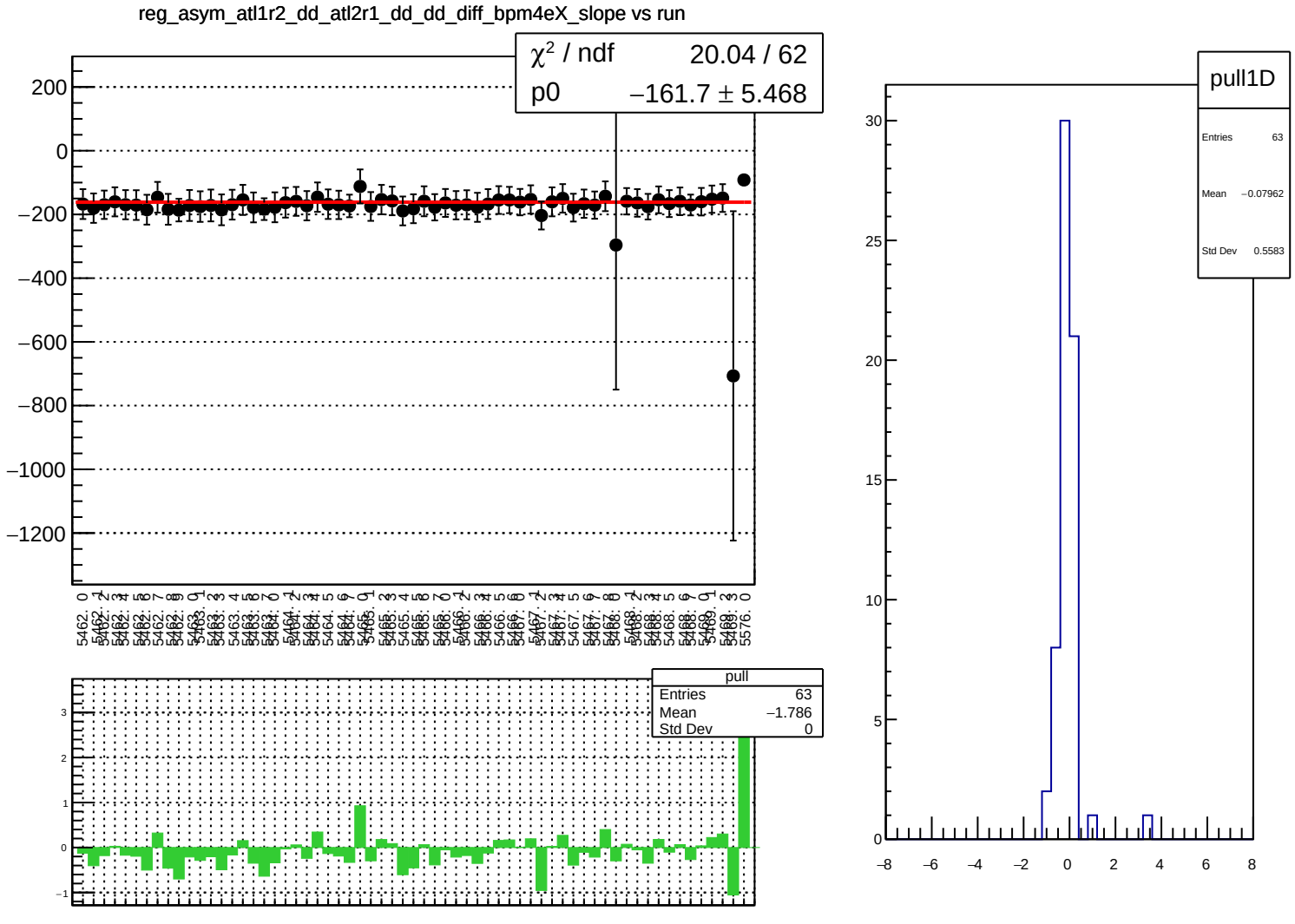

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.446 / 62
p0 5.84 ± 8.654
pull
Entries 63
Mean −4.576
Std Dev 0
pull1D
Entries 63
Mean 0.03997
Std Dev 0.3639

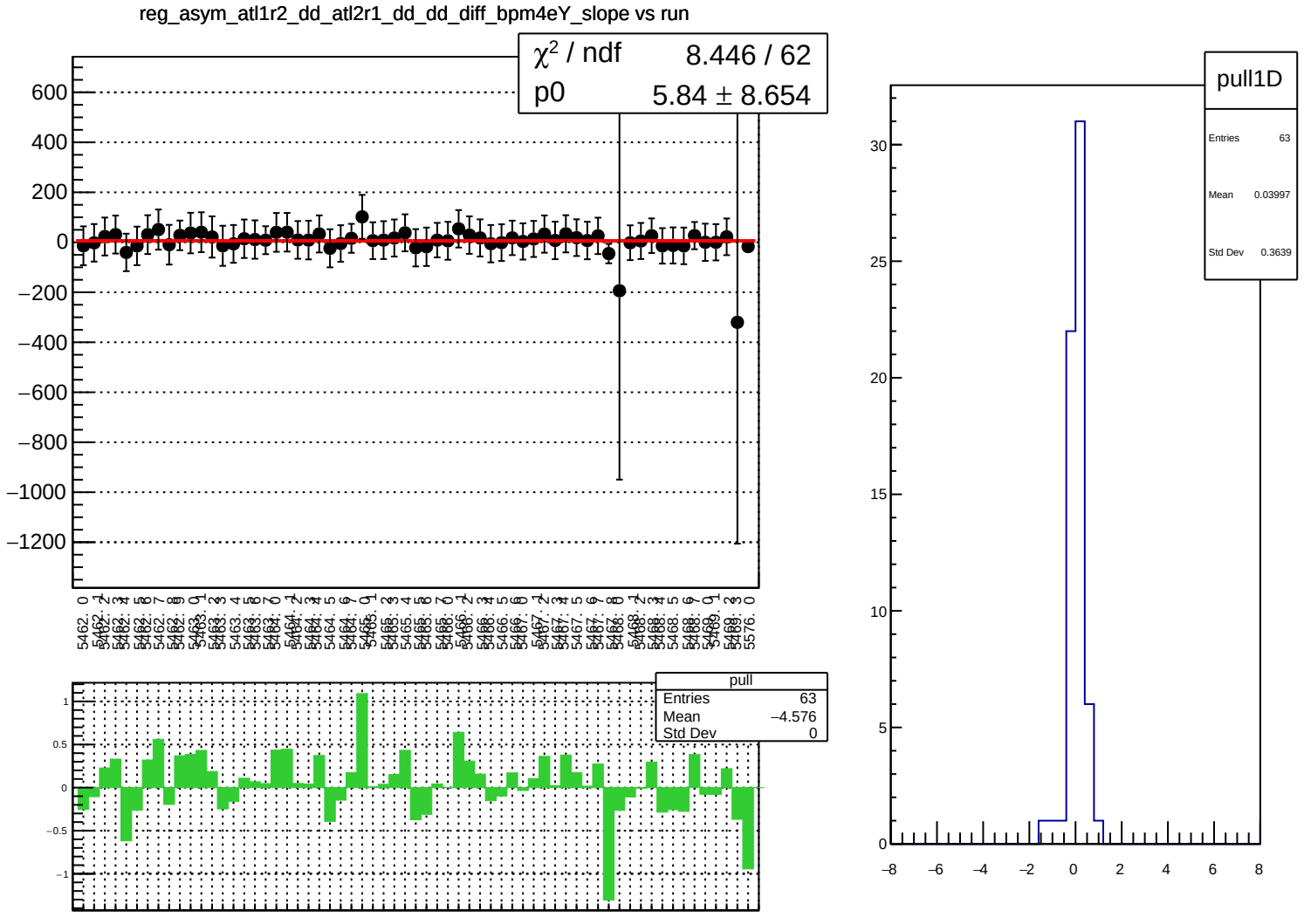

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1818 / 62
p0 140.2 ± 0.2319
pull
Entries 63
Mean −52.51
Std Dev 0
pull1D
Entries 63
Mean 1.01
Std Dev 0.7613

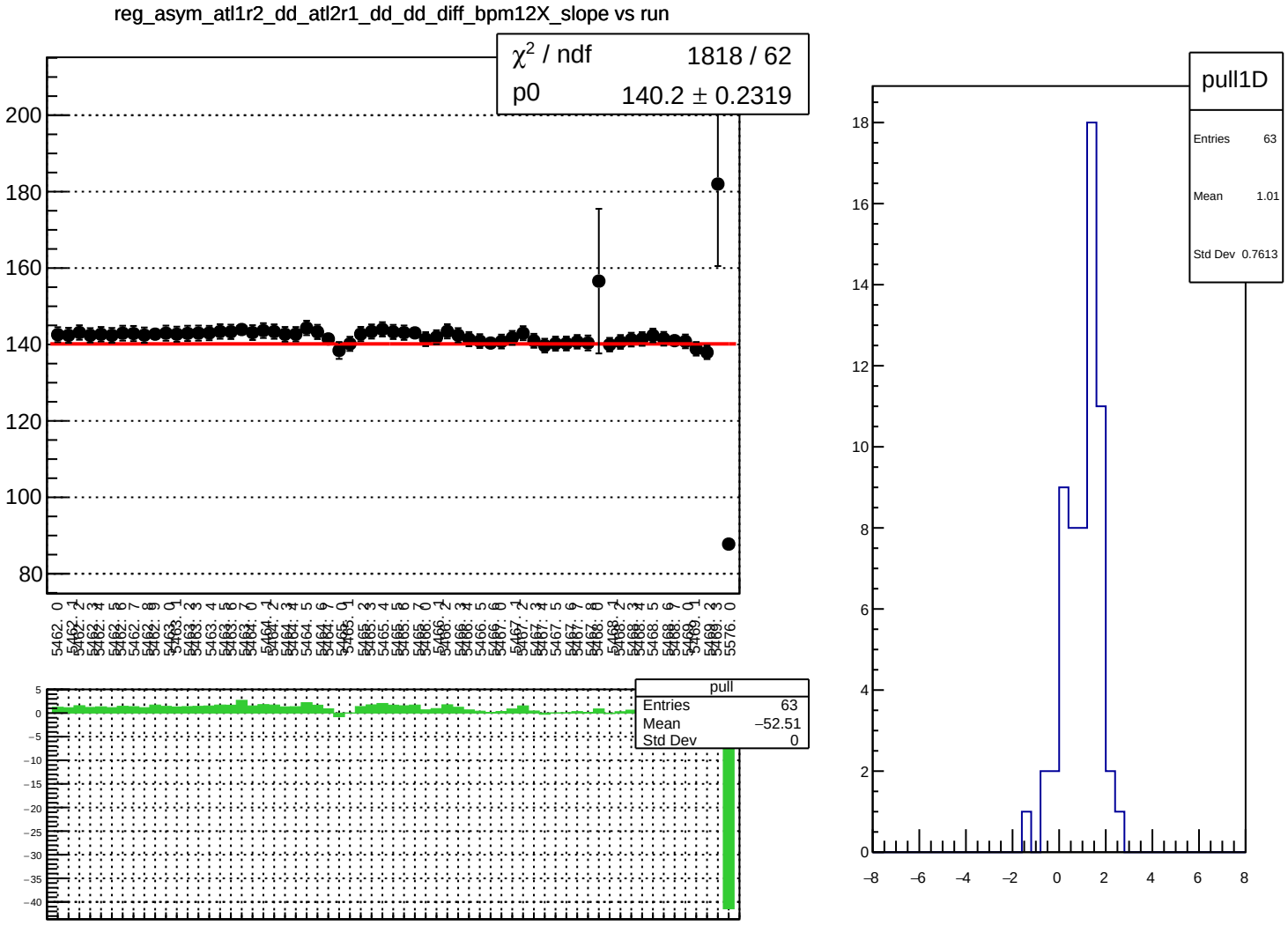

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 10.11 / 62
p0 146 ± 6.979
1500
1000
500
0
−500
pull
Entries 63
Mean 1.525
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 63
Mean 0.04375
Std Dev 0.3982
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

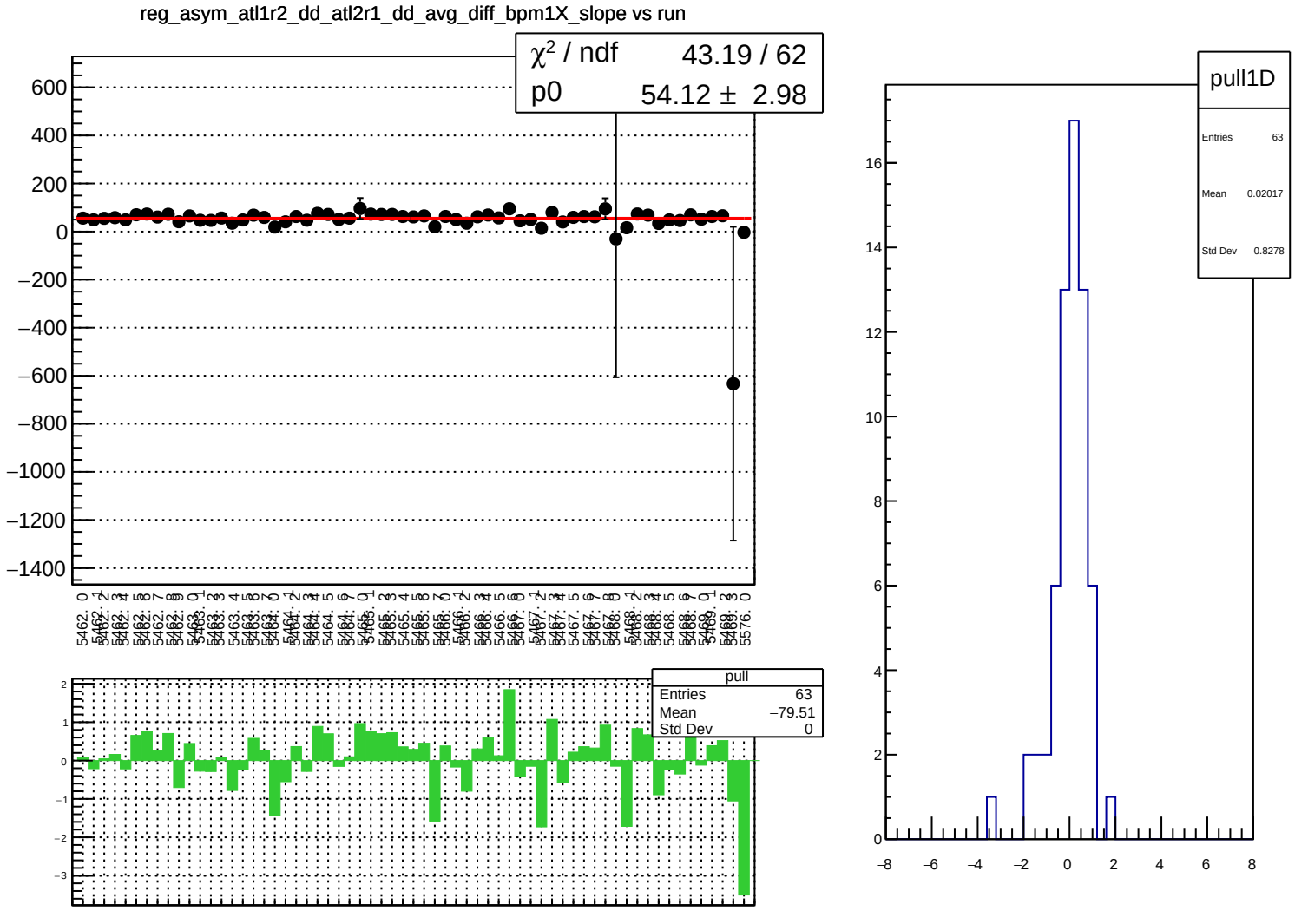

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.03 / 62
p0 −68.1 ± 7.187
pull
Entries 63
Mean 6.261
Std Dev 0

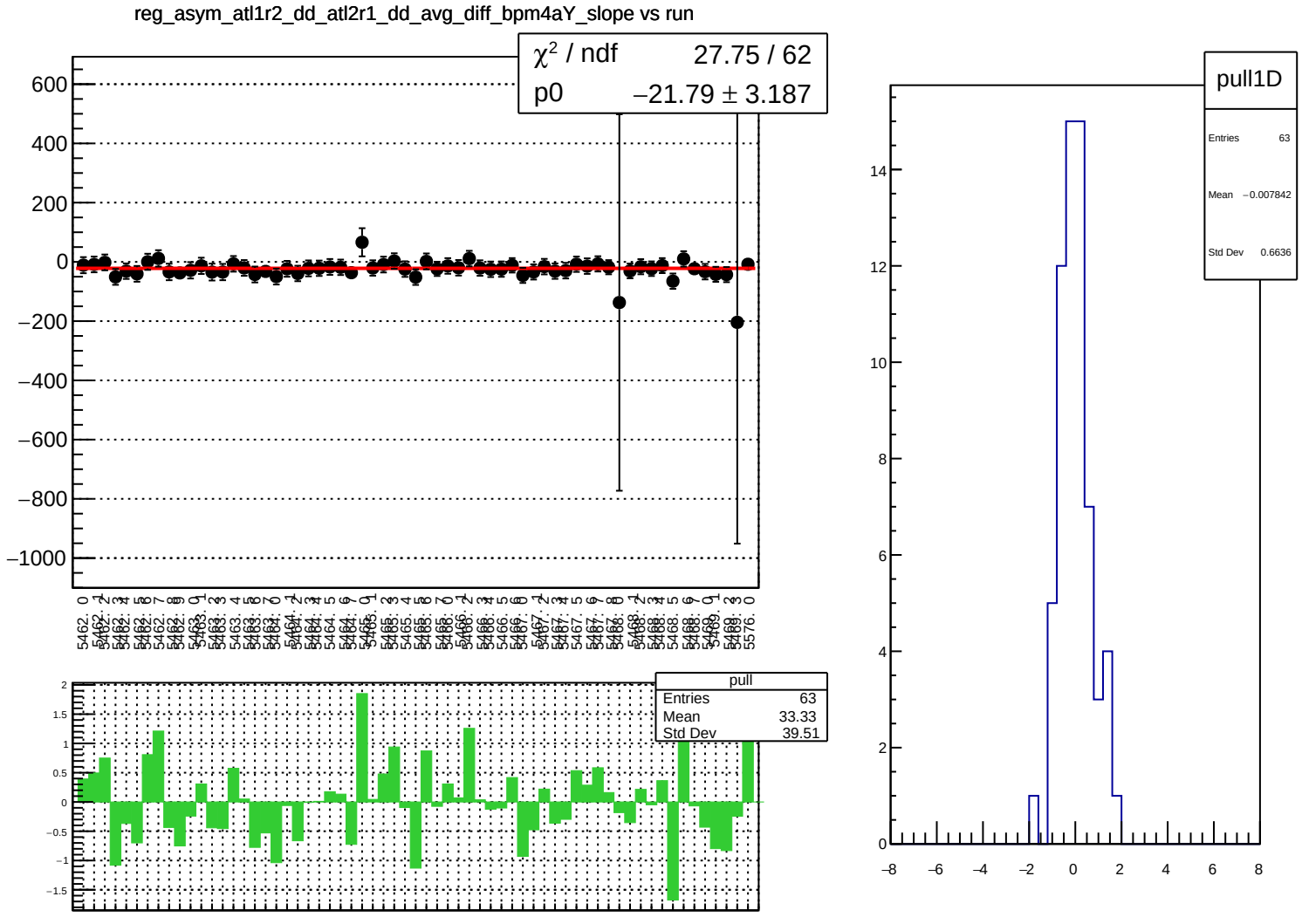

pull1D
Entries 63
Mean −0.09388
Std Dev 0.445

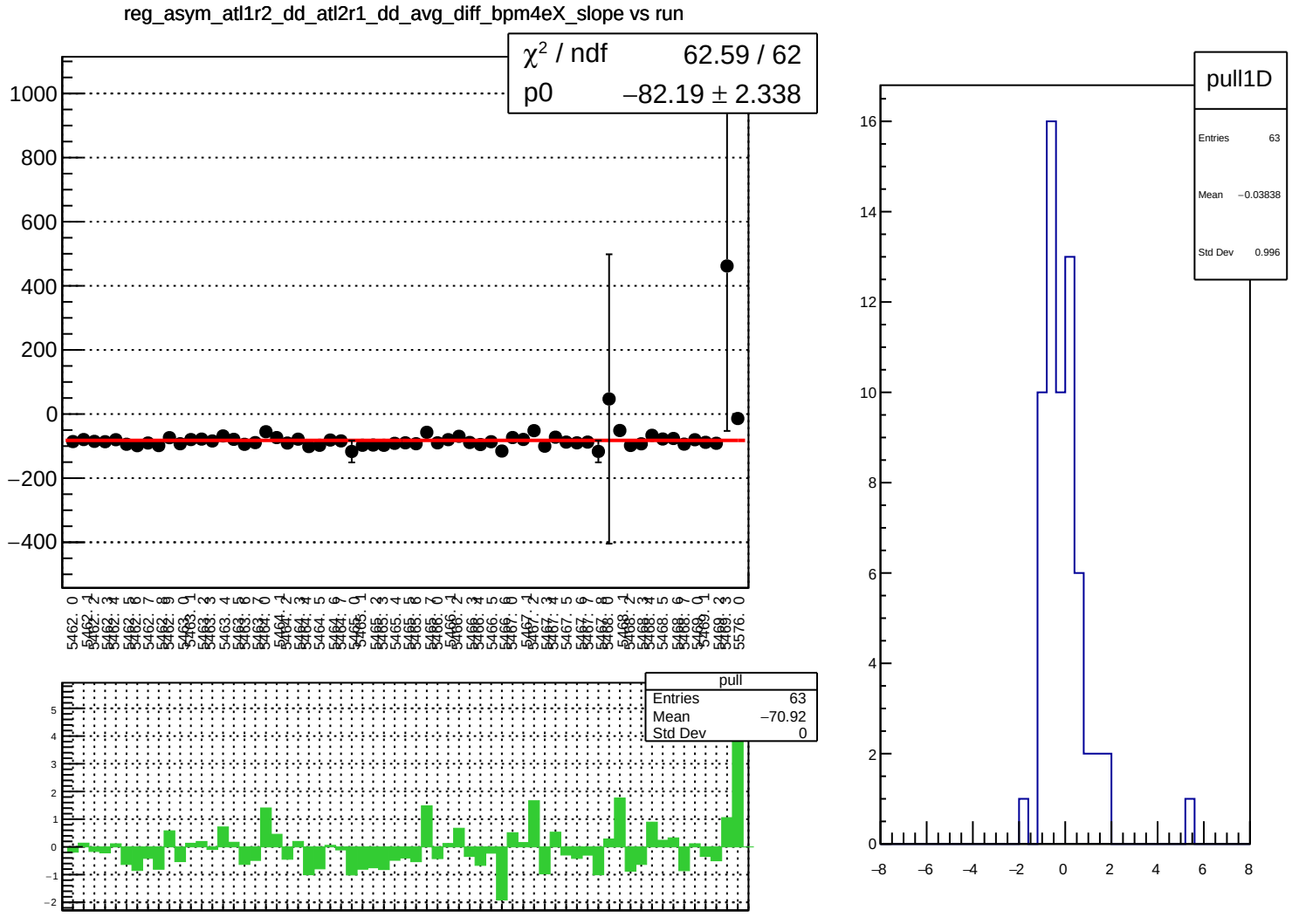

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.04 / 62
p0 −161.7 ± 5.468
pull
Entries 63
Mean −1.786
Std Dev 0
pull1D
Entries 63
Mean −0.07962
Std Dev 0.5583

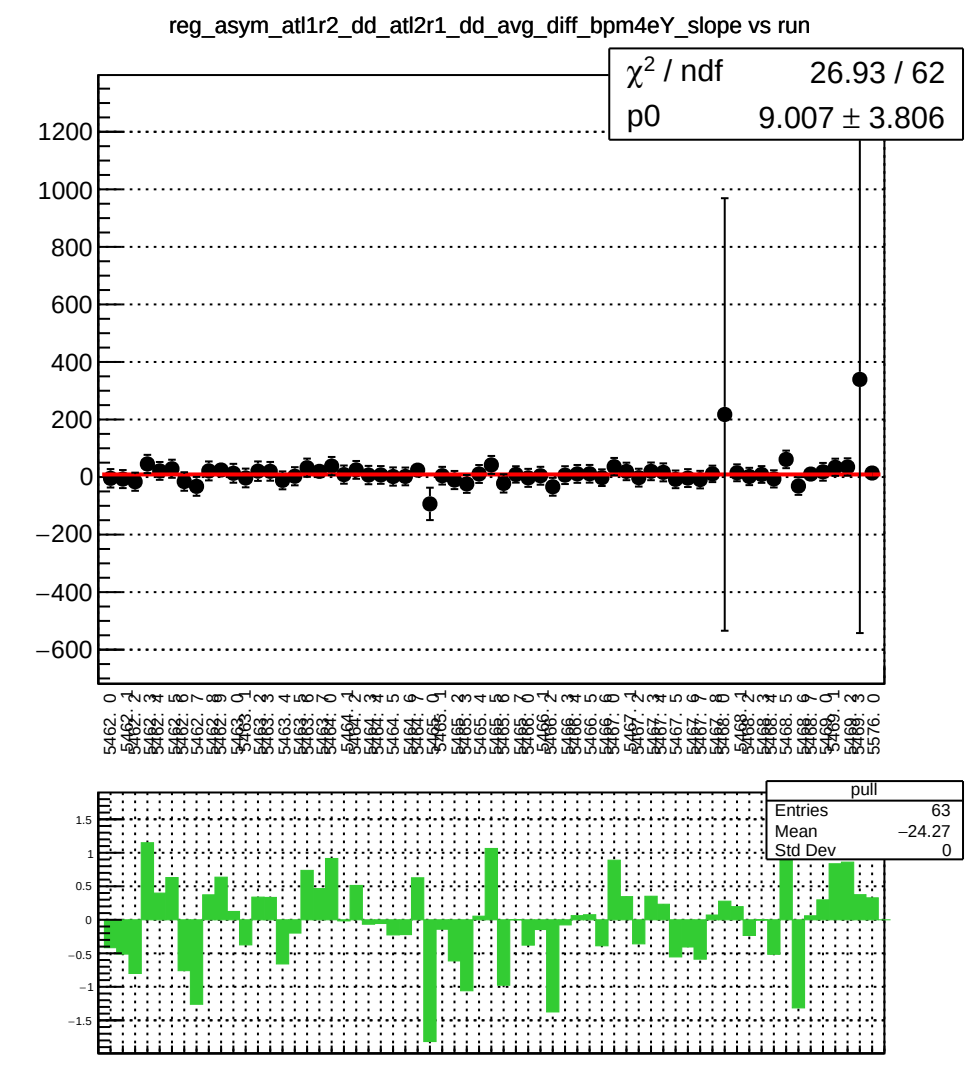

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.446 / 62
p0 5.84 ± 8.654
pull
Entries 63
Mean −4.576
Std Dev 0
pull1D
Entries 63
Mean 0.03997
Std Dev 0.3639

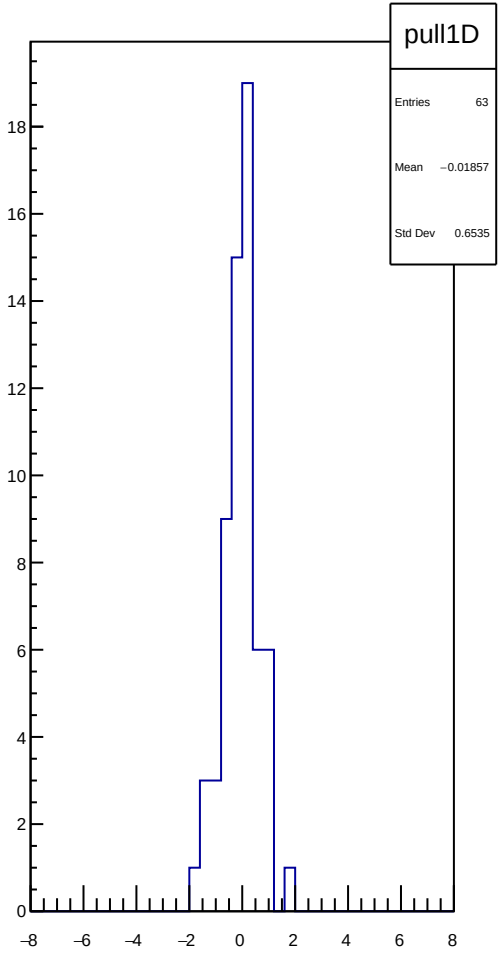

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1818 / 62
p0 140.2 ± 0.2319
pull
Entries 63
Mean −52.51
Std Dev 0
pull1D
Entries 63
Mean 1.01
Std Dev 0.7613

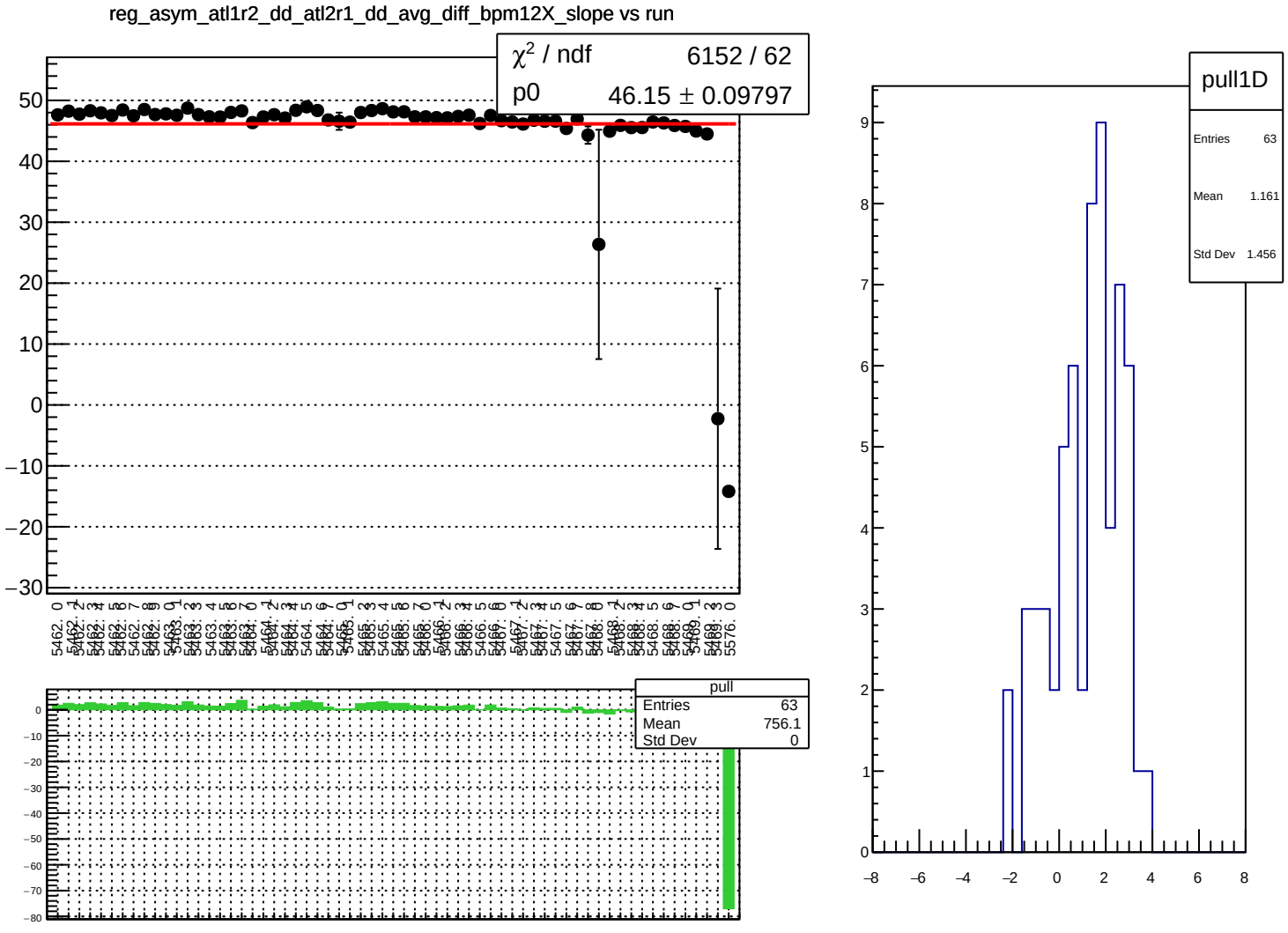

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 43.19 / 62
p0 54.12 ± 2.98
pull
Entries 63
Mean −79.51
Std Dev 0
pull1D
Entries 63
Mean 0.02017
Std Dev 0.8278

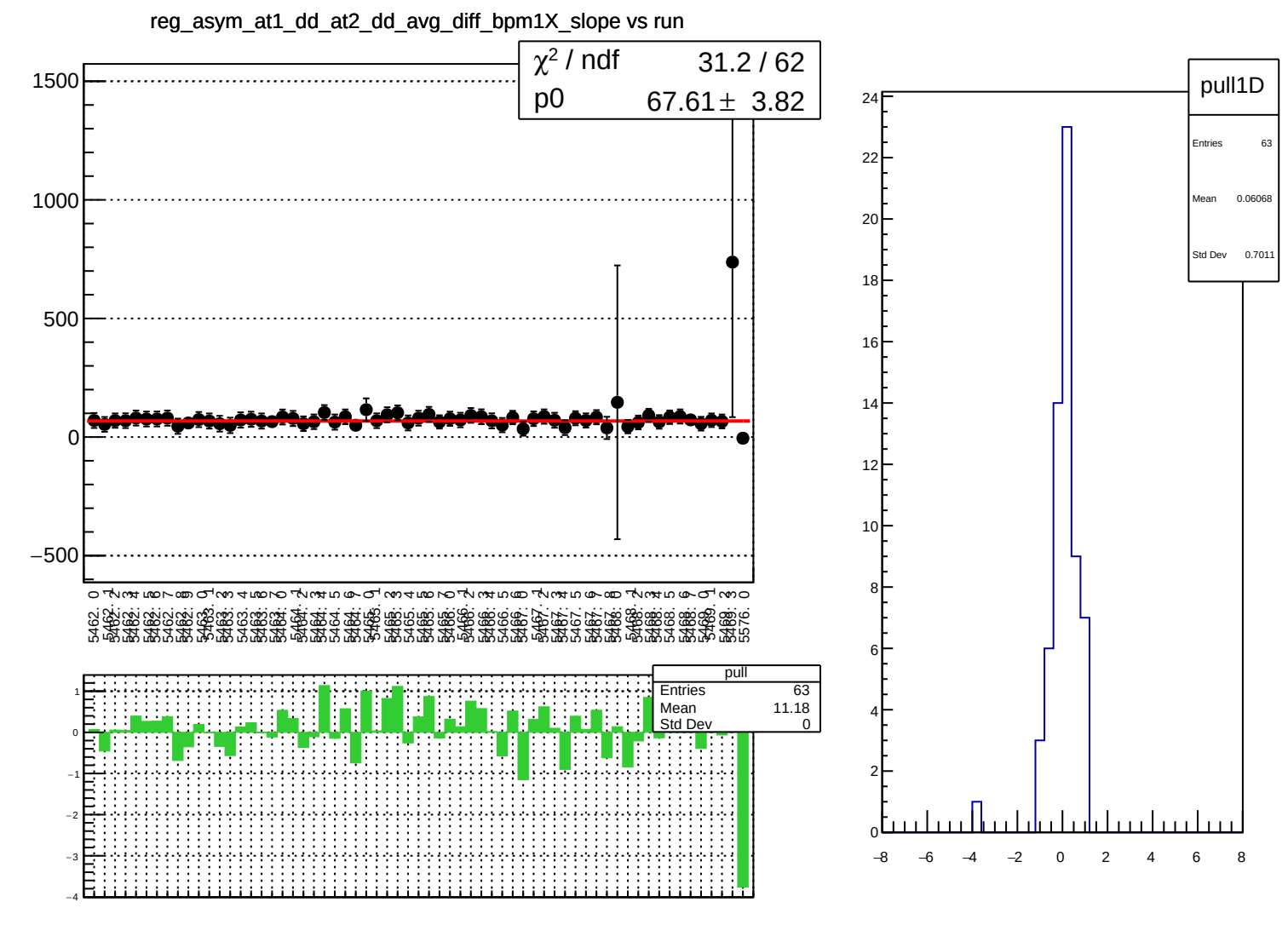

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.75 / 62
p0 −21.79 ± 3.187
pull
Entries 63
Mean 33.33
Std Dev 39.51
pull1D
Entries 63
Mean −0.007842
Std Dev 0.6636

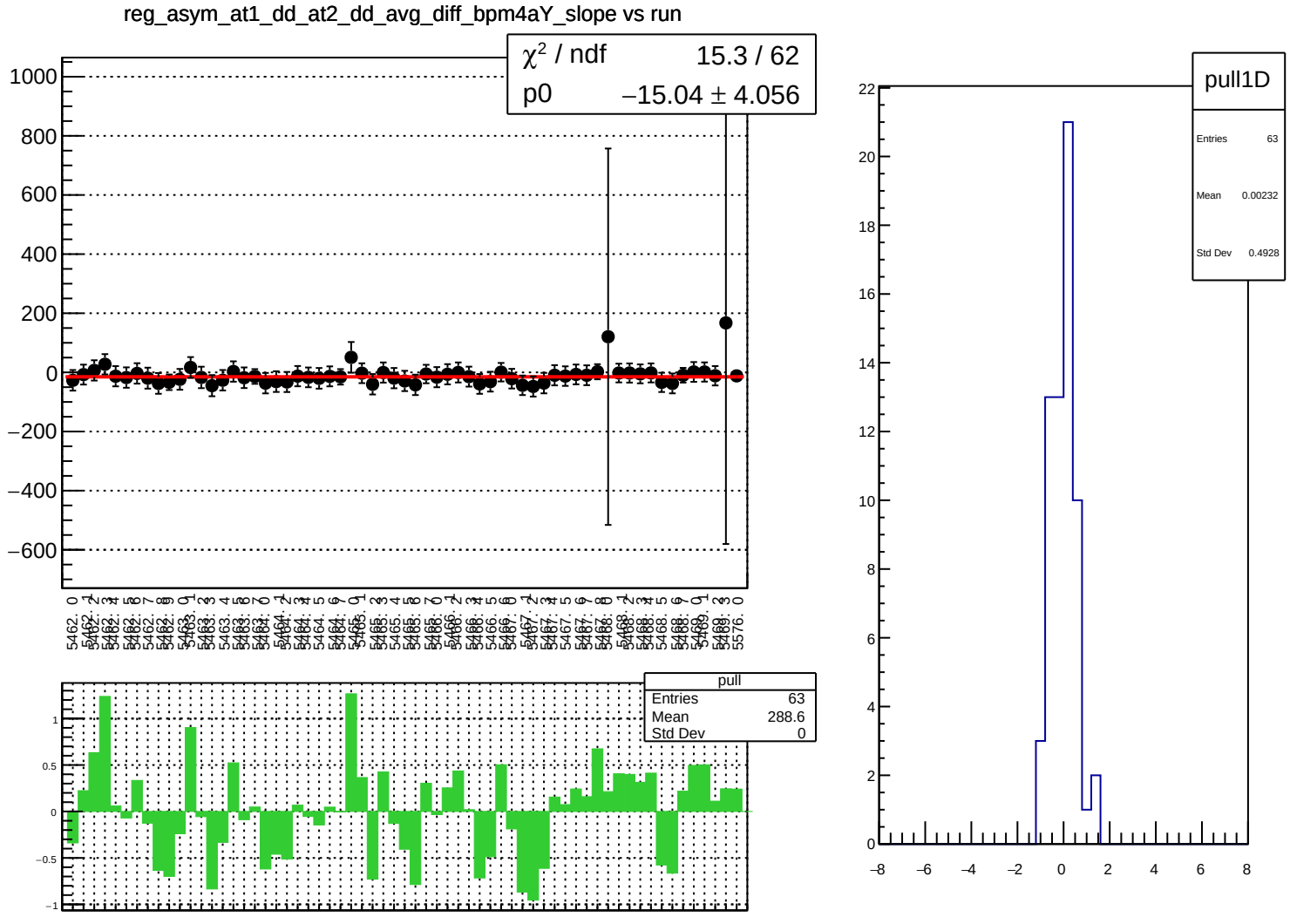

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.59 / 62
p0 −82.19 ± 2.338
pull
Entries 63
Mean −70.92
Std Dev 0
pull1D
Entries 63
Mean −0.03838
Std Dev 0.996

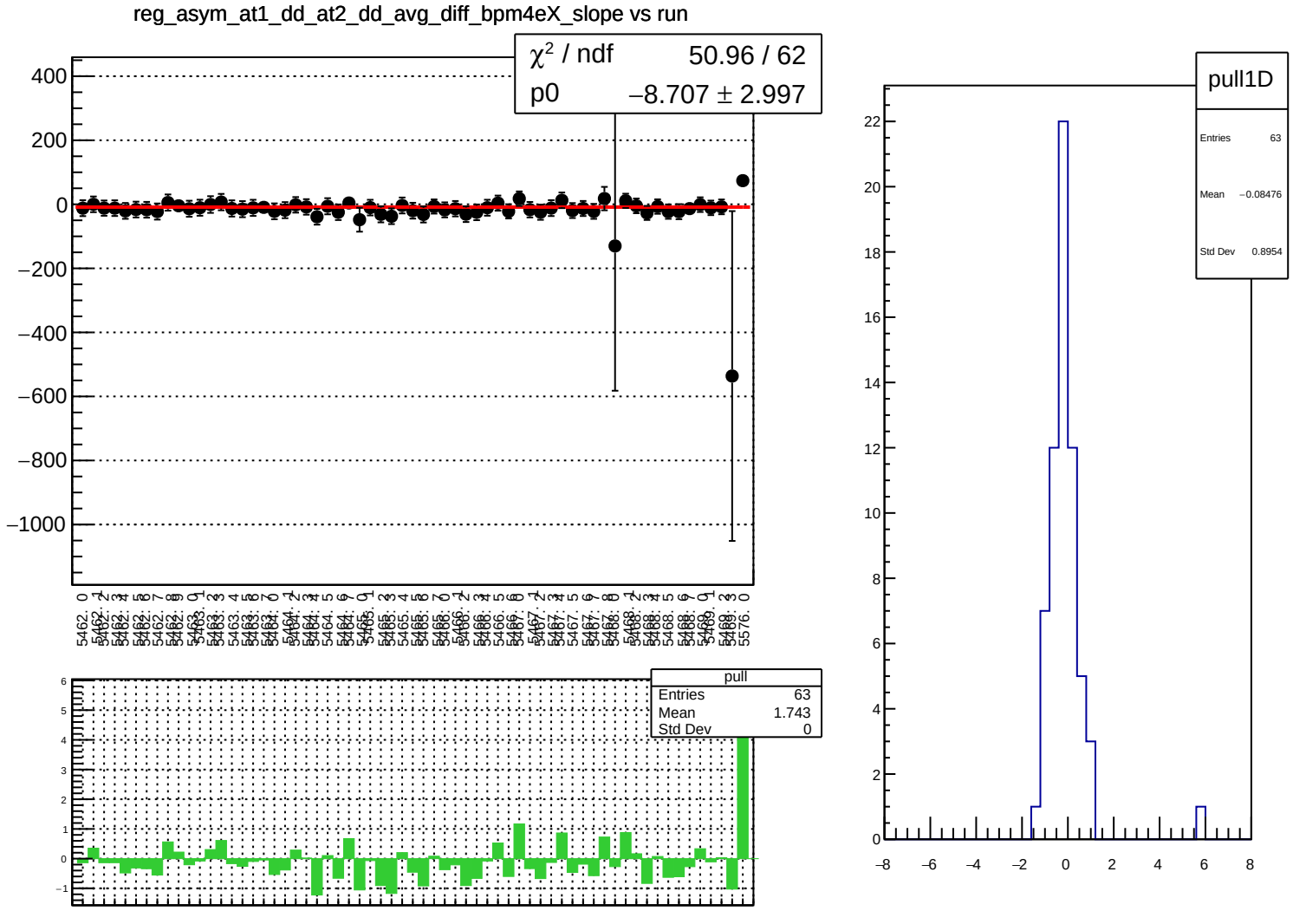

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.93 / 62
p0 9.007 ± 3.806
pull
Entries 63
Mean −24.27
Std Dev 0

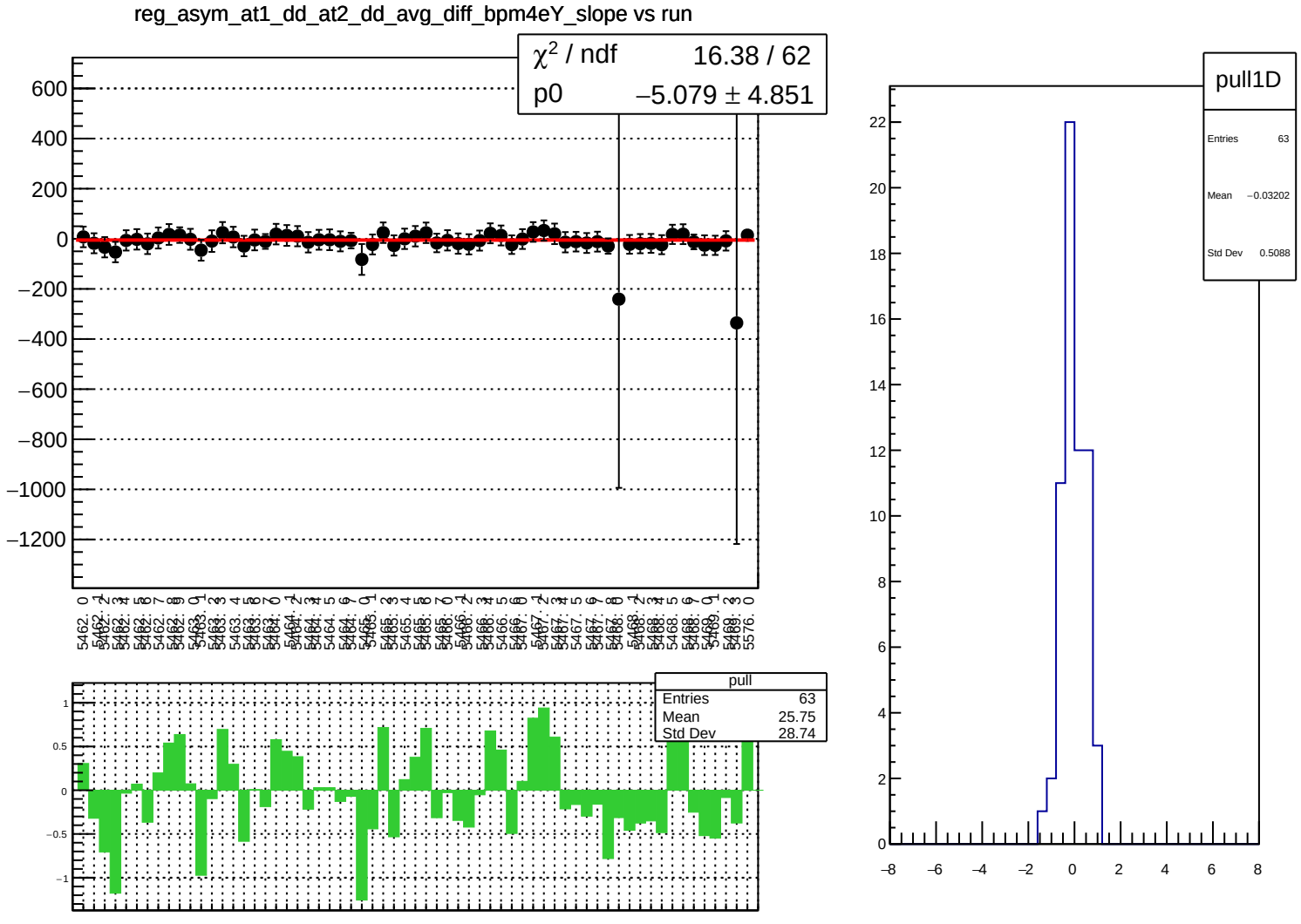

pull1D
Entries 63
Mean −0.01857
Std Dev 0.6535

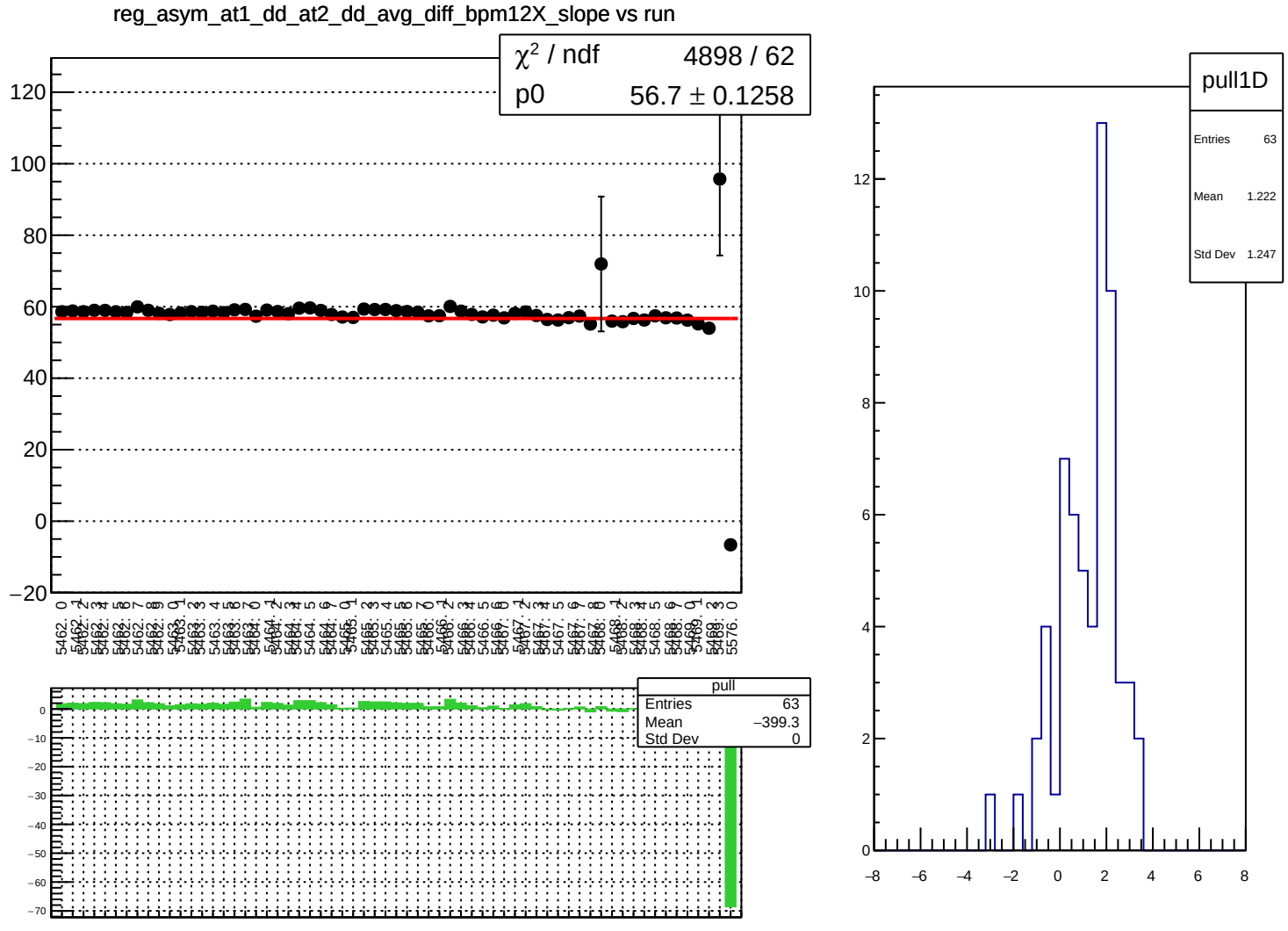

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6152 / 62
p0 46.15 ± 0.09797
pull
Entries 63
Mean 756.1
Std Dev 0
pull1D
Entries 63
Mean 1.161
Std Dev 1.456

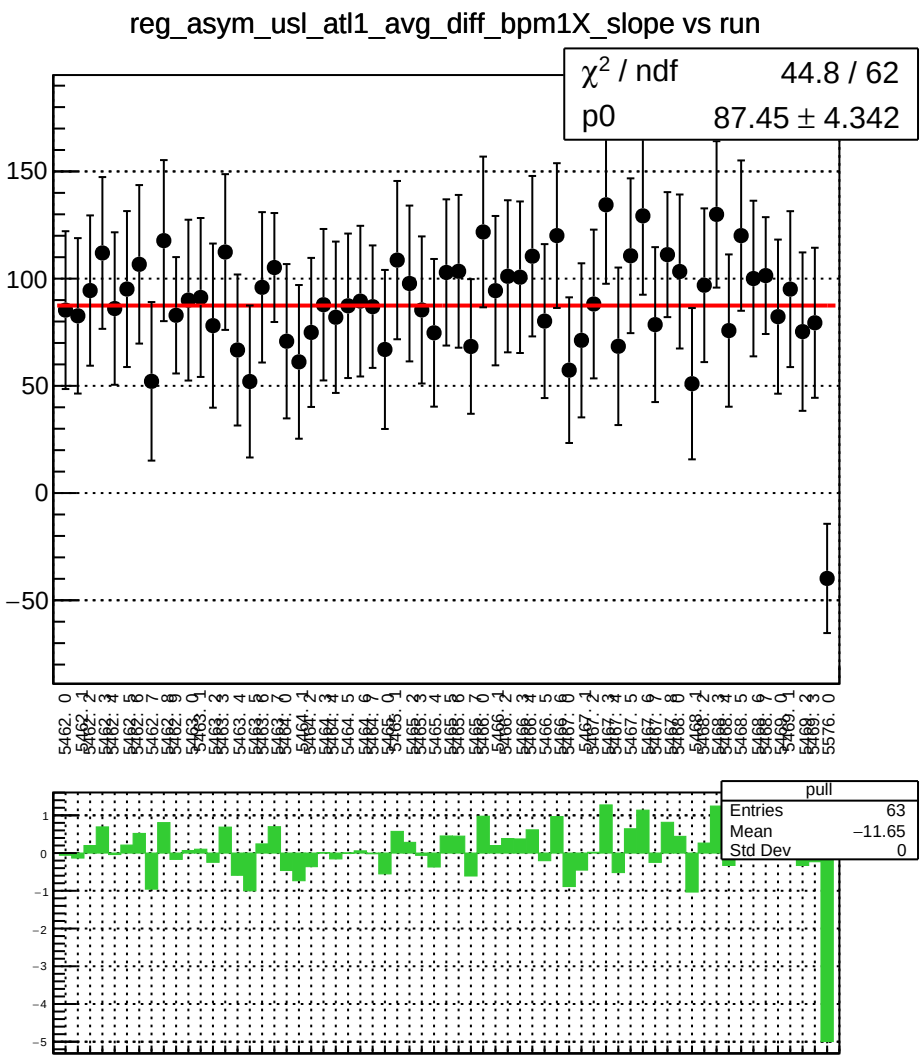

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 31.2 / 62
p0 67.61 ± 3.82
1500
1000
500
0
−500
pull
Entries 63
Mean 11.18
Std Dev 0
pull1D
Entries 63
Mean 0.06068
Std Dev 0.7011

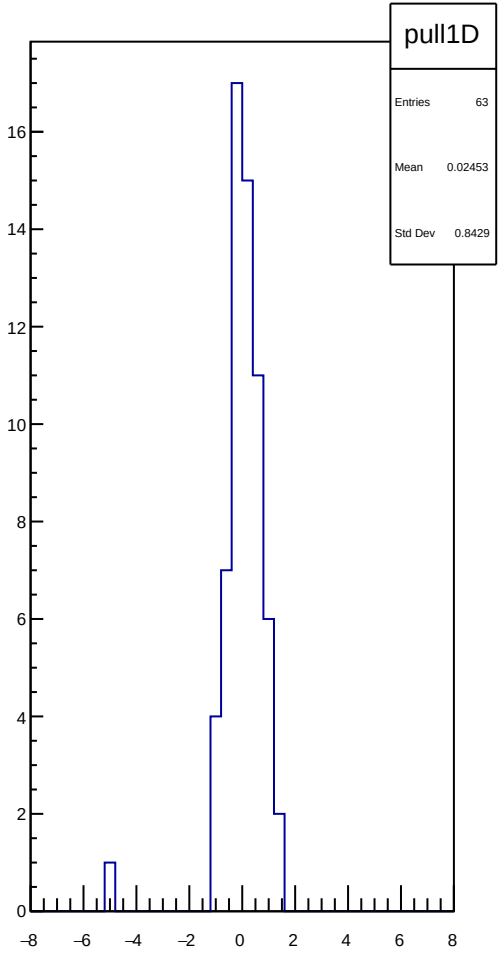

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.3 / 62
p0 −15.04 ± 4.056
pull
Entries 63
Mean 288.6
Std Dev 0
pull1D
Entries 63
Mean 0.00232
Std Dev 0.4928

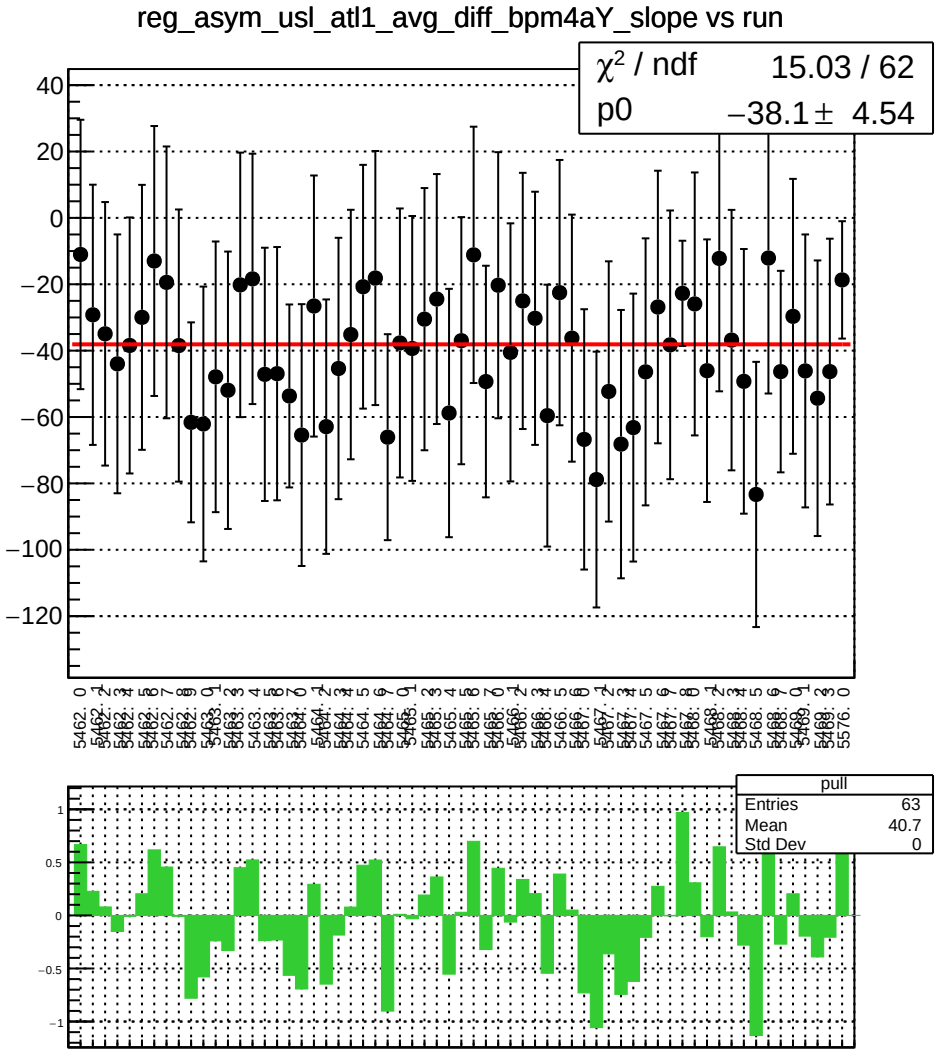

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.96 / 62
p0 −8.707 ± 2.997
pull
Entries 63
Mean 1.743
Std Dev 0
pull1D
Entries 63
Mean −0.08476
Std Dev 0.8954

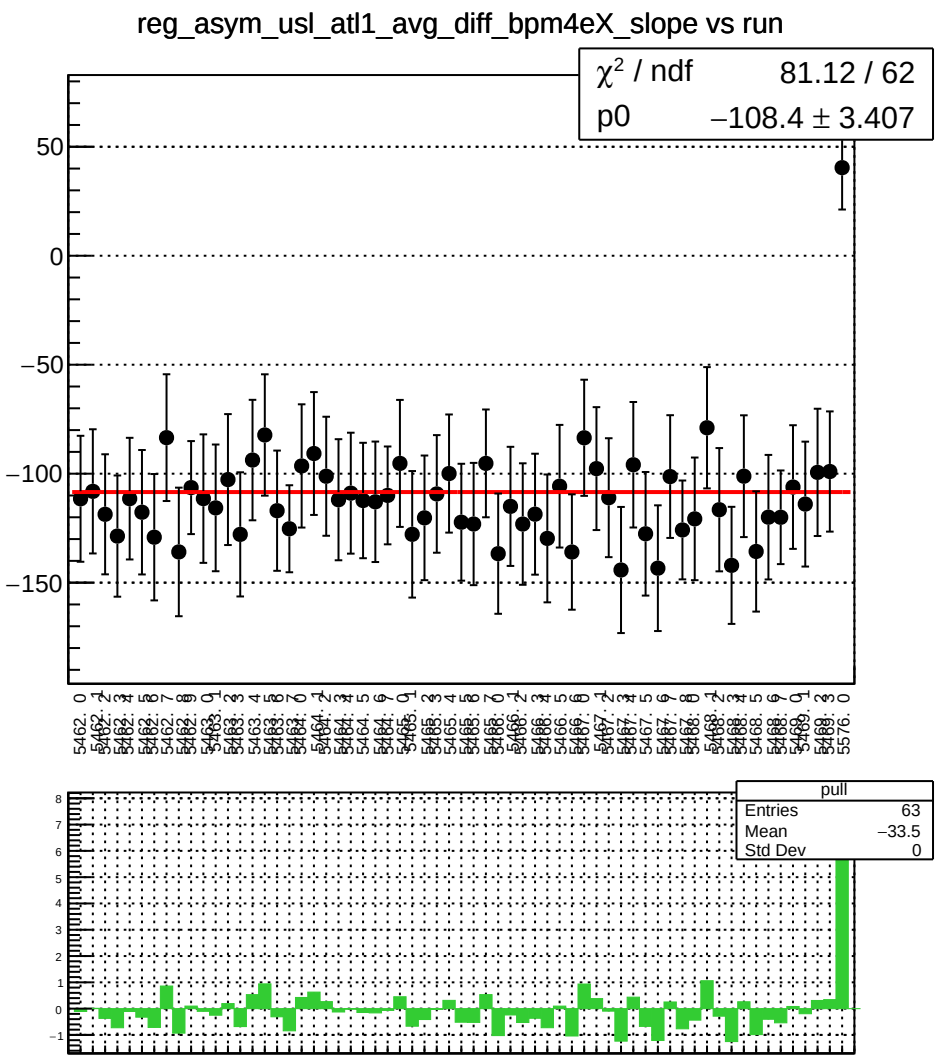

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.38 / 62
p0 −5.079 ± 4.851
pull
Entries 63
Mean 25.75
Std Dev 28.74
pull1D
Entries 63
Mean −0.03202
Std Dev 0.5088

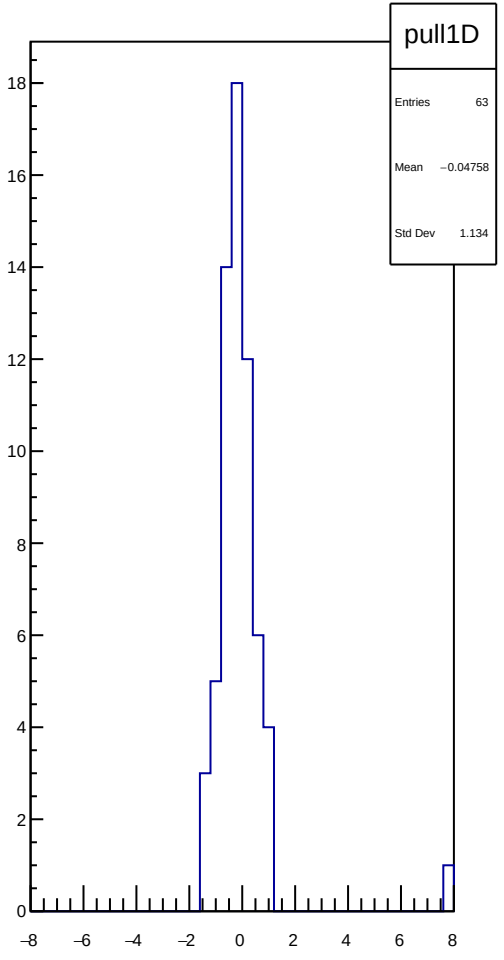

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 4898 / 62
p0 56.7 ± 0.1258
pull
Entries 63
Mean −399.3
Std Dev 0
pull1D
Entries 63
Mean 1.222
Std Dev 1.247

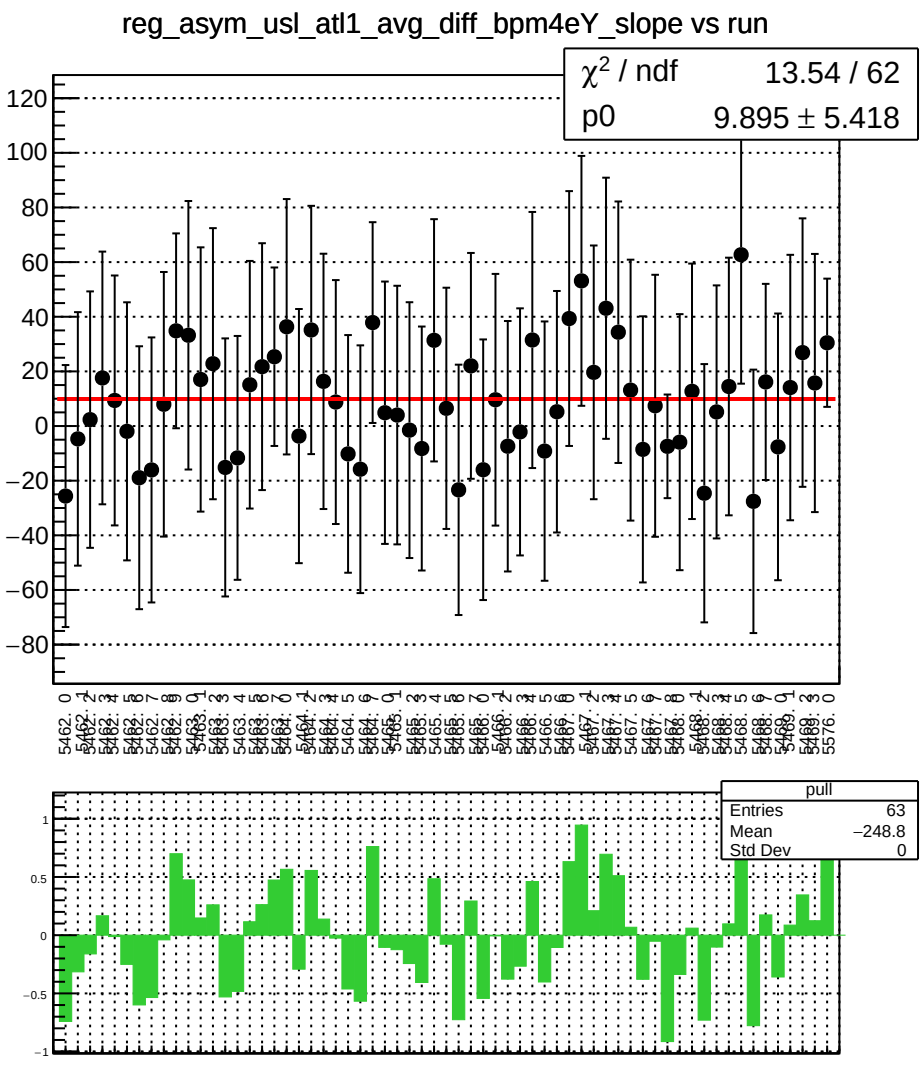

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 44.8 / 62
p0 87.45 ± 4.342
150
100
50
0
−50
pull
Entries 63
Mean −11.65
Std Dev 0
1
0
−1
−2
−3
−4
−5

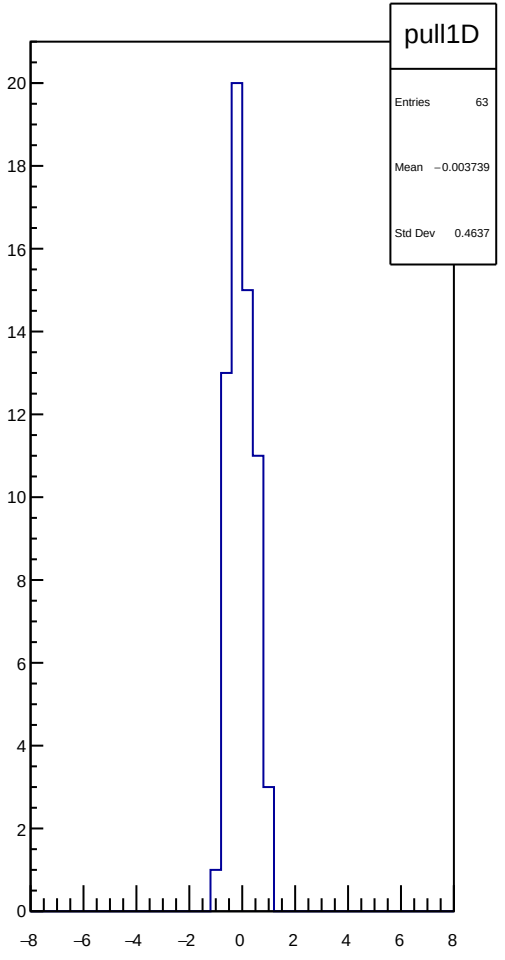

pull1D
Entries 63
Mean 0.02453
Std Dev 0.8429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

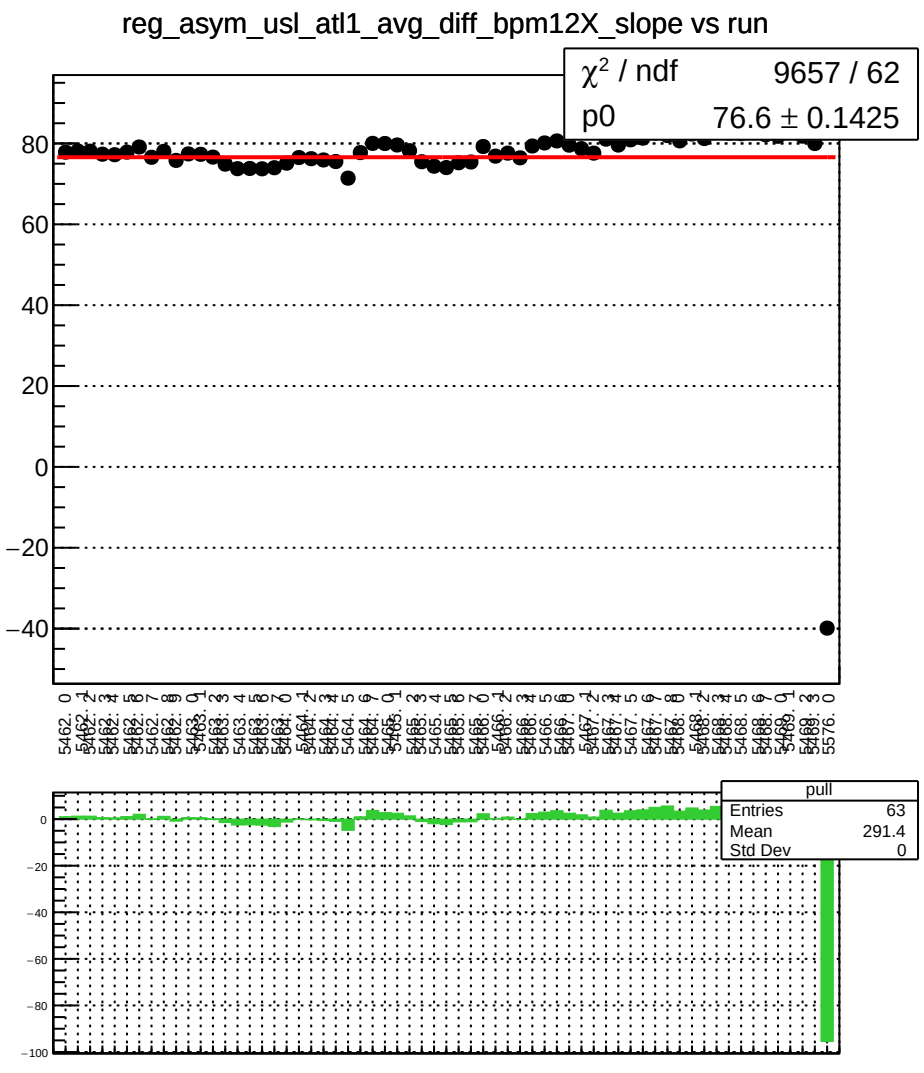

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.03 / 62
p0 −38.1 ± 4.54
pull
Entries 63
Mean 40.7
Std Dev 0
pull1D
Entries 63
Mean −0.03157
Std Dev 0.4875

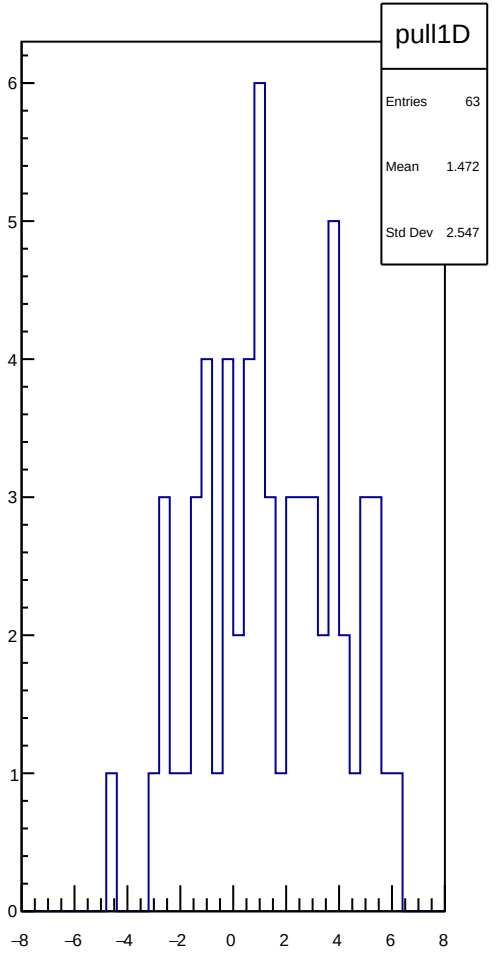

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.12 / 62
p0 −108.4 ± 3.407
pull
Entries 63
Mean −33.5
Std Dev 0

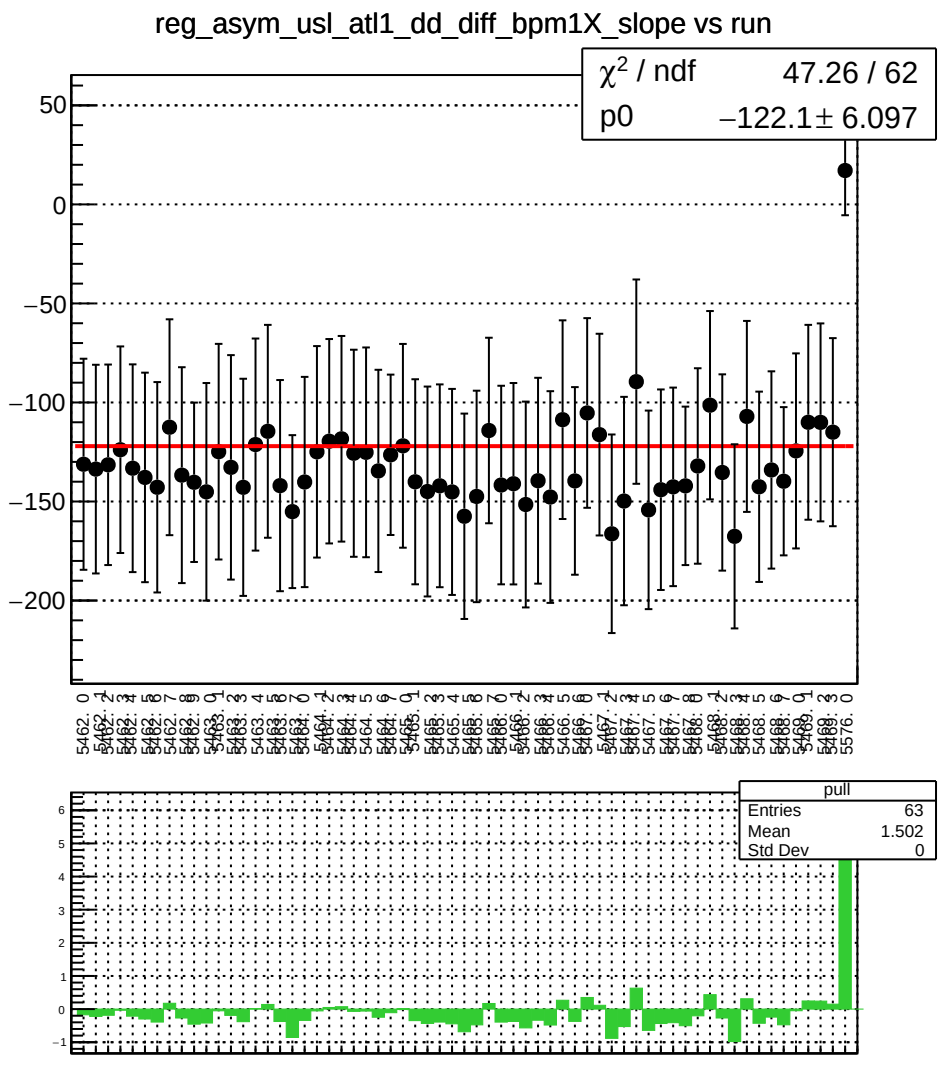

pull1D
Entries 63
Mean −0.04758
Std Dev 1.134

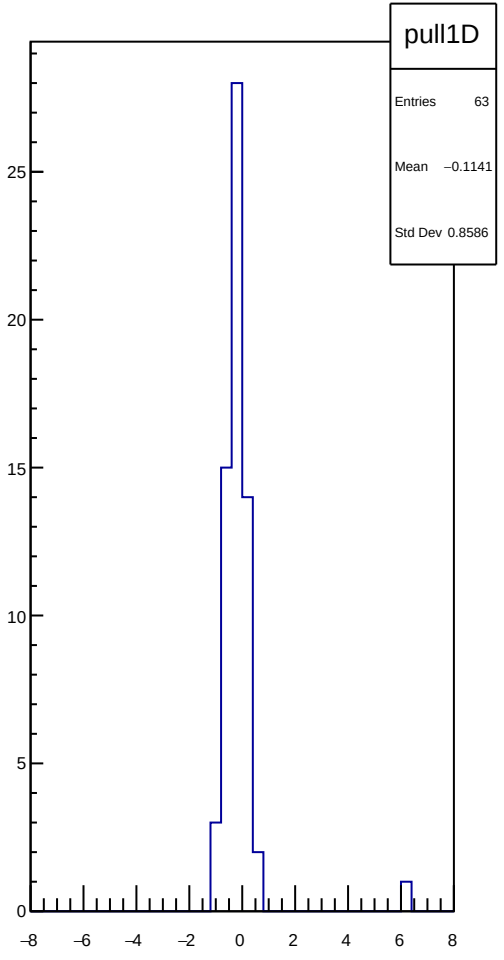

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.54 / 62
p0 9.895 ± 5.418
pull
Entries 63
Mean −248.8
Std Dev 0

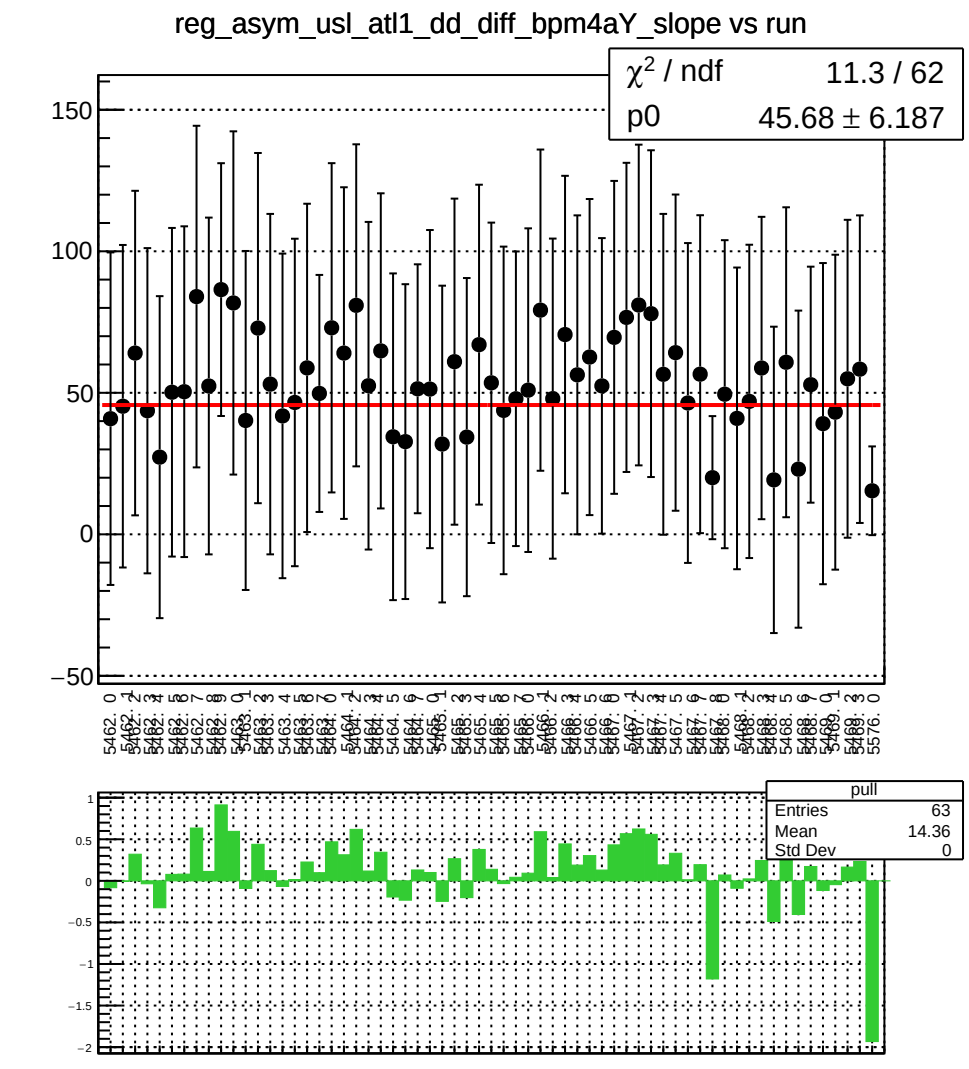

pull1D
Entries 63
Mean −0.003739
Std Dev 0.4637

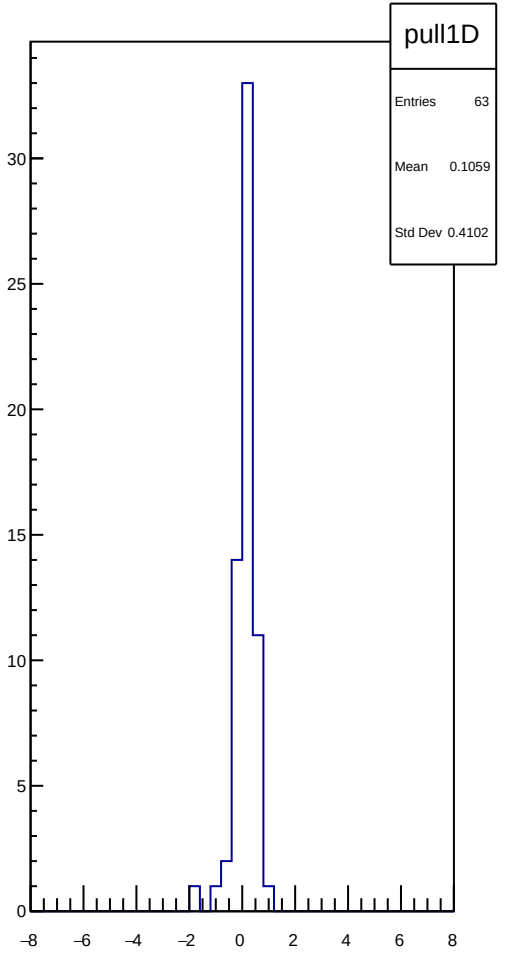

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 9657 / 62
p0 76.6 ± 0.1425
pull
Entries 63
Mean 291.4
Std Dev 0

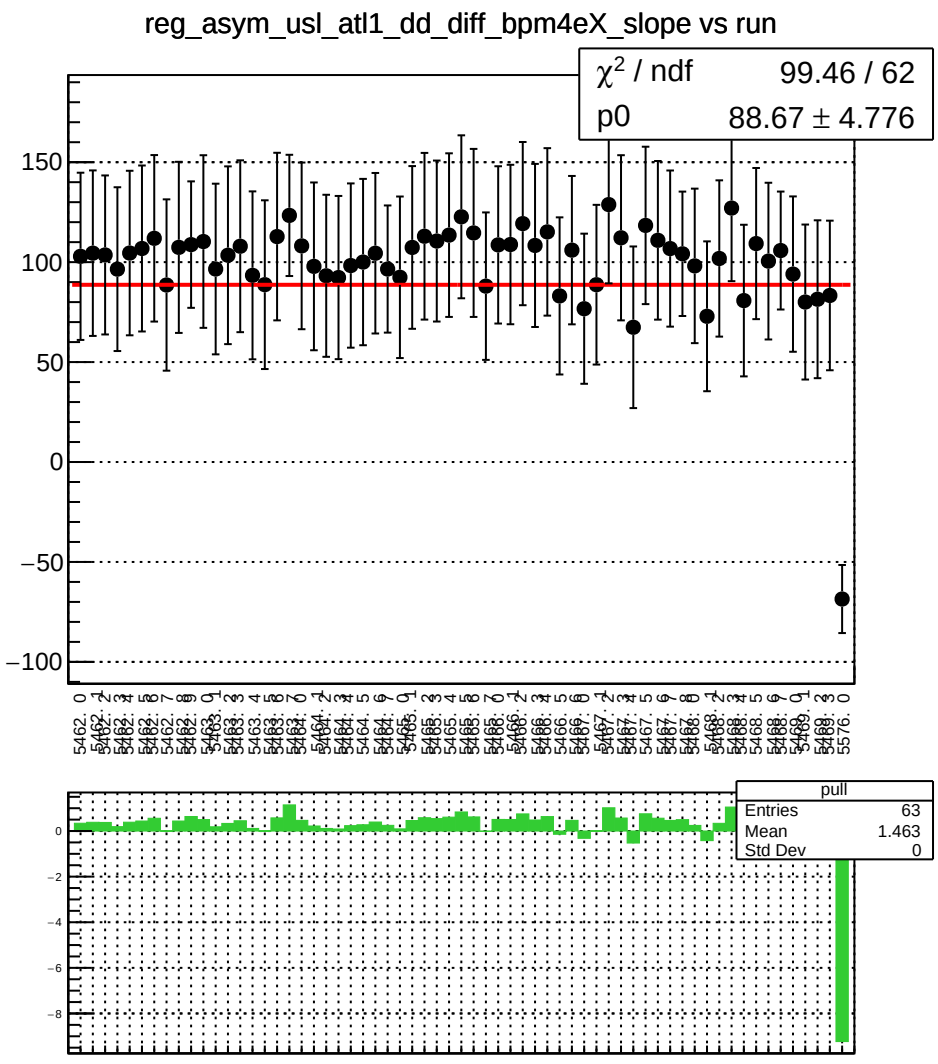

pull1D
Entries 63
Mean 1.472
Std Dev 2.547

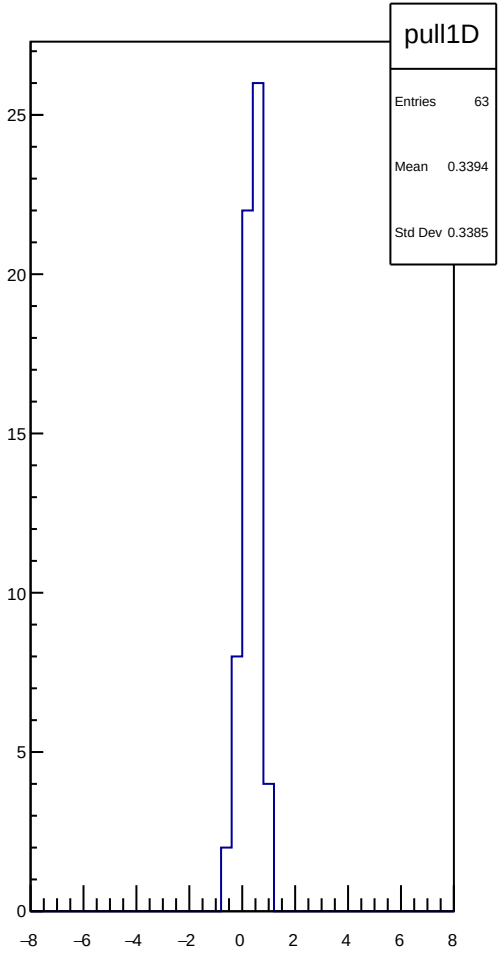

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 47.26 / 62
p0 −122.1± 6.097
pull
Entries 63
Mean 1.502
Std Dev 0

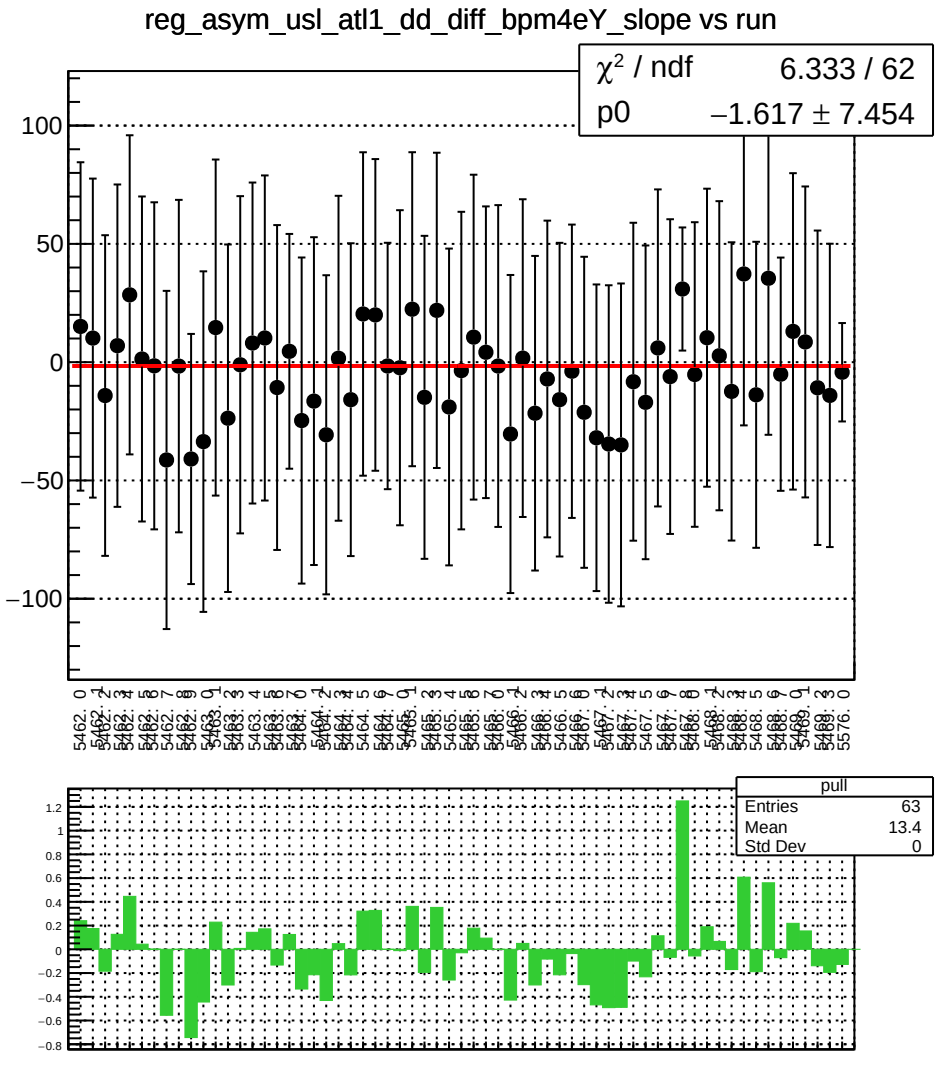

pull1D
Entries 63
Mean −0.1141
Std Dev 0.8586

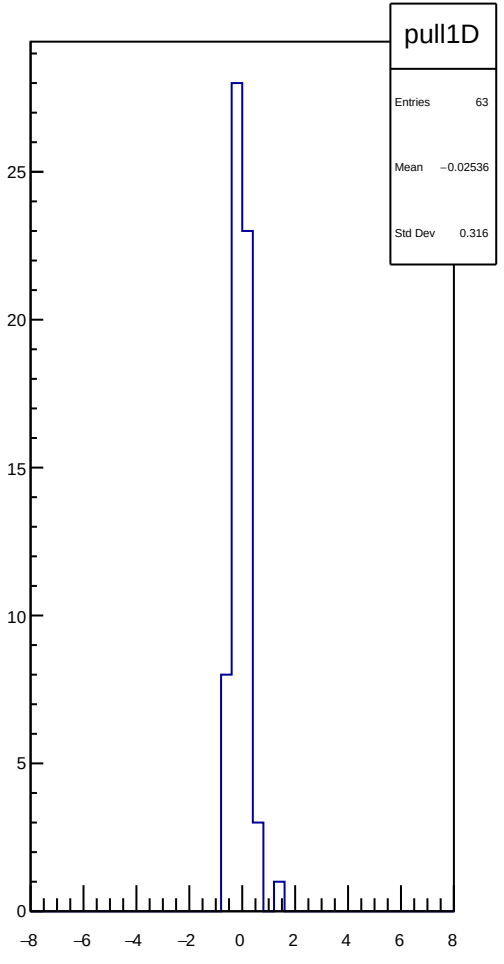

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.3 / 62
p0 45.68 ± 6.187
150
100
50
0
−50
pull
Entries 63
Mean 14.36
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

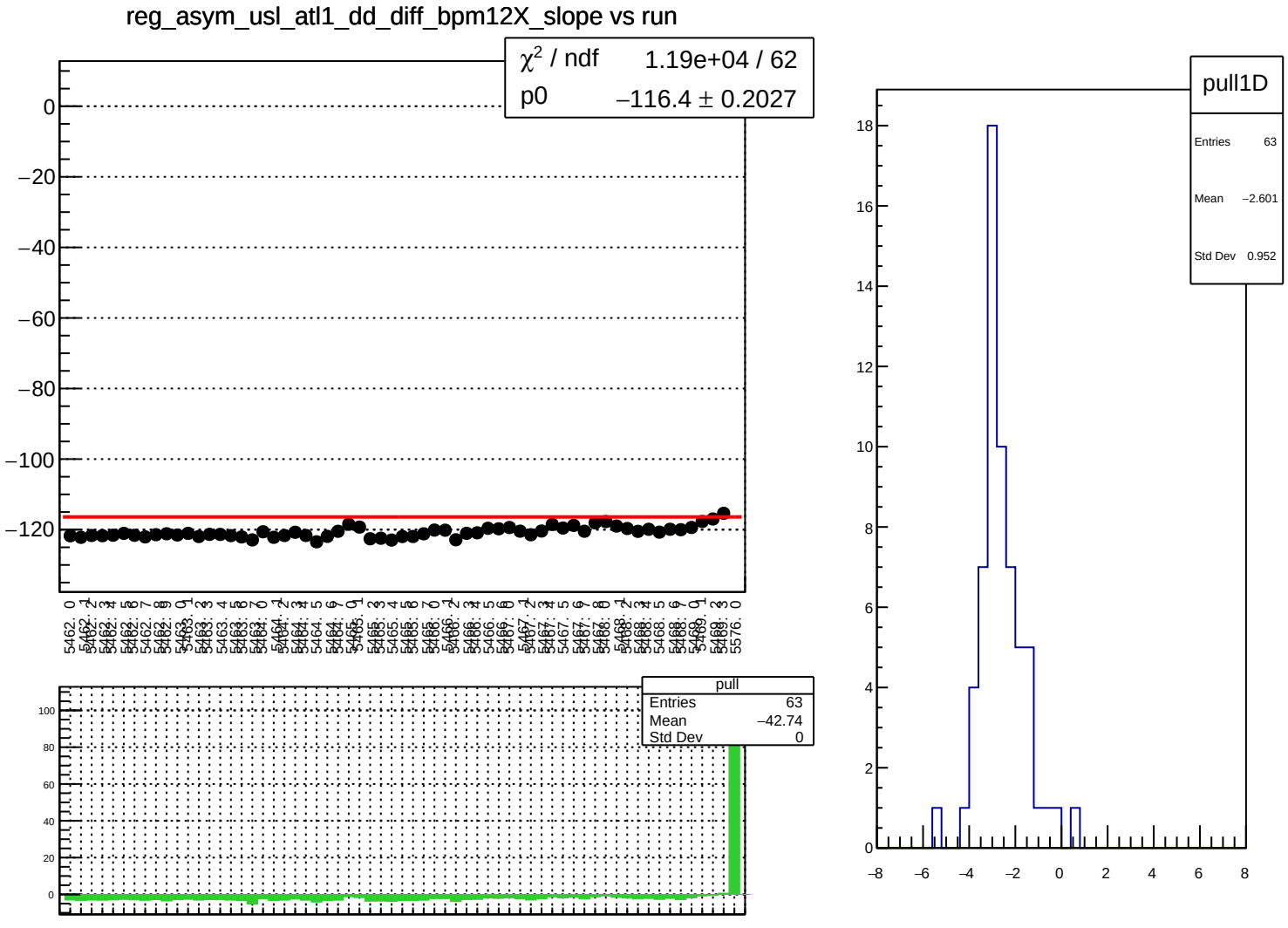

pull1D
Entries 63
Mean 0.1059
Std Dev 0.4102
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

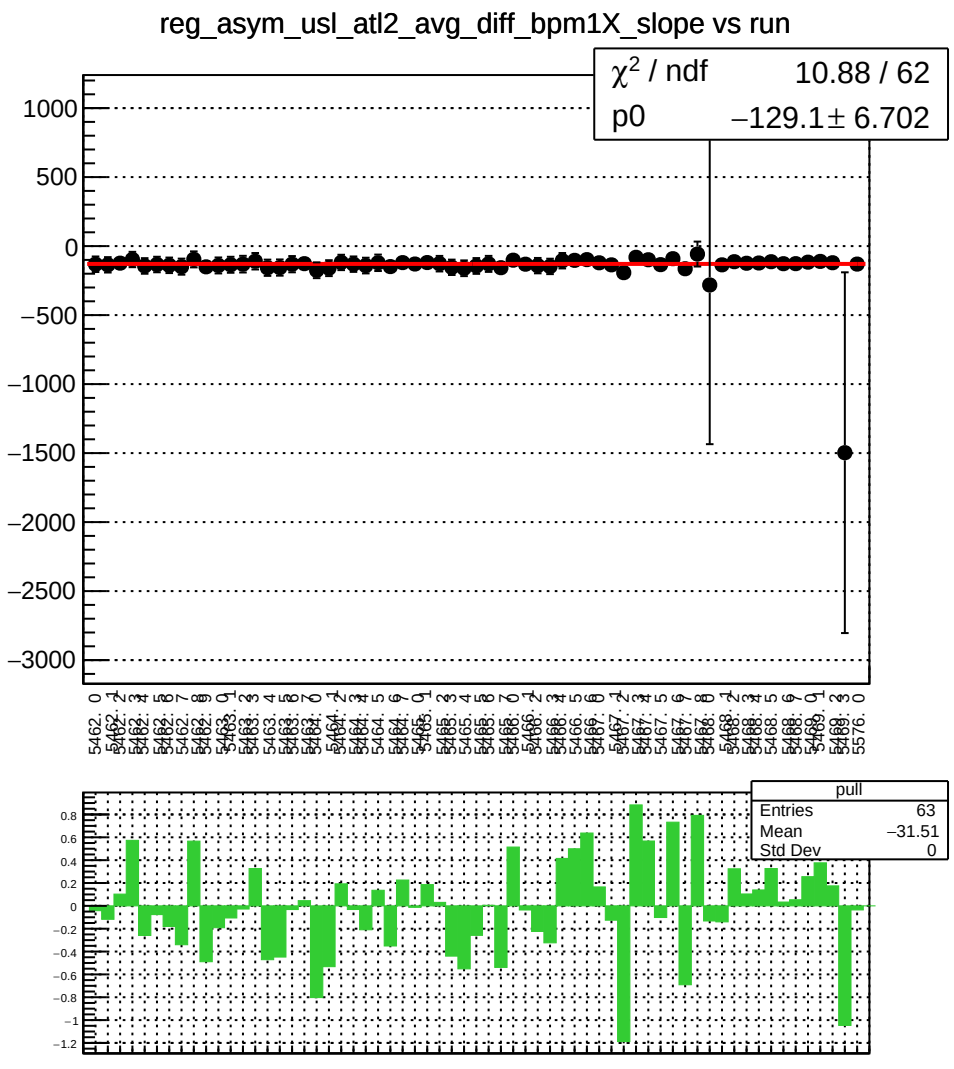

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.46 / 62
p0 88.67 ± 4.776
150
100
50
0
−50
−100
pull
Entries 63
Mean 1.463
Std Dev 0

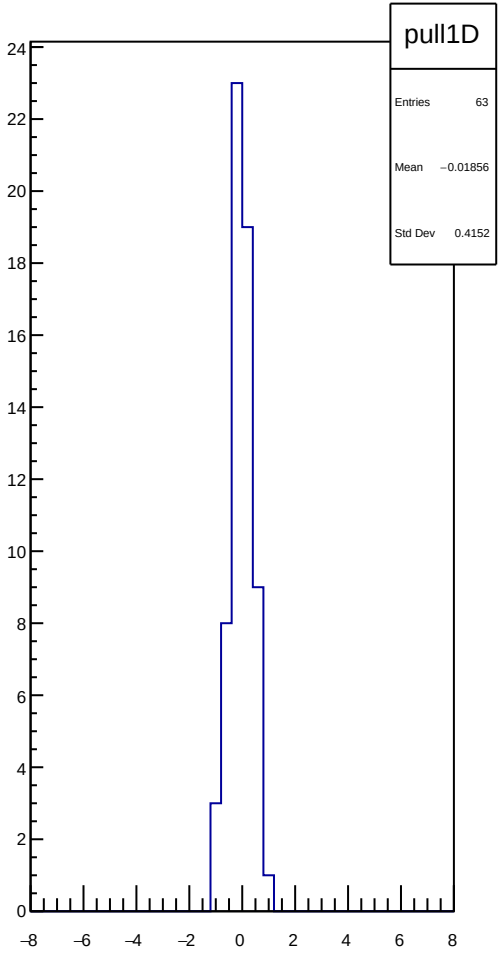

pull1D
Entries 63
Mean 0.3394
Std Dev 0.3385
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

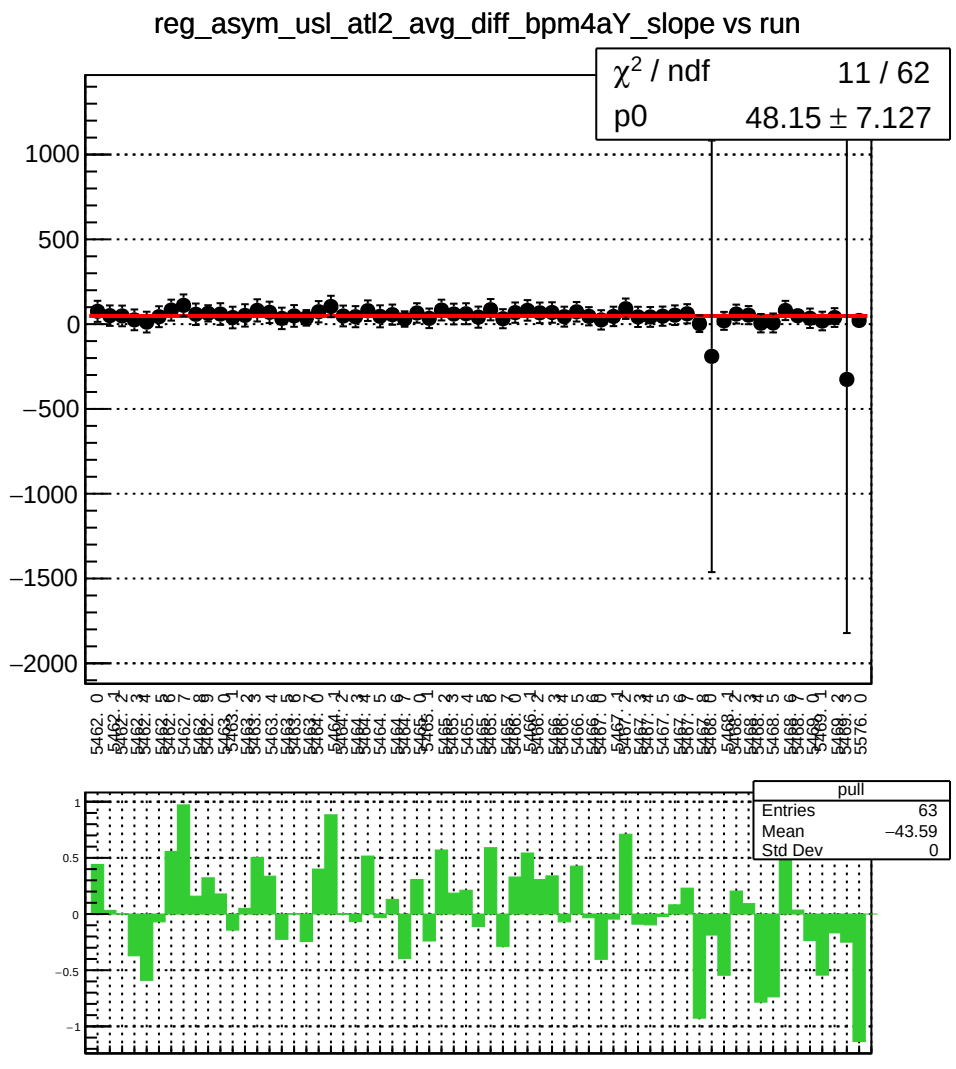

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.333 / 62
p0 −1.617 ± 7.454
pull
Entries 63
Mean 13.4
Std Dev 0

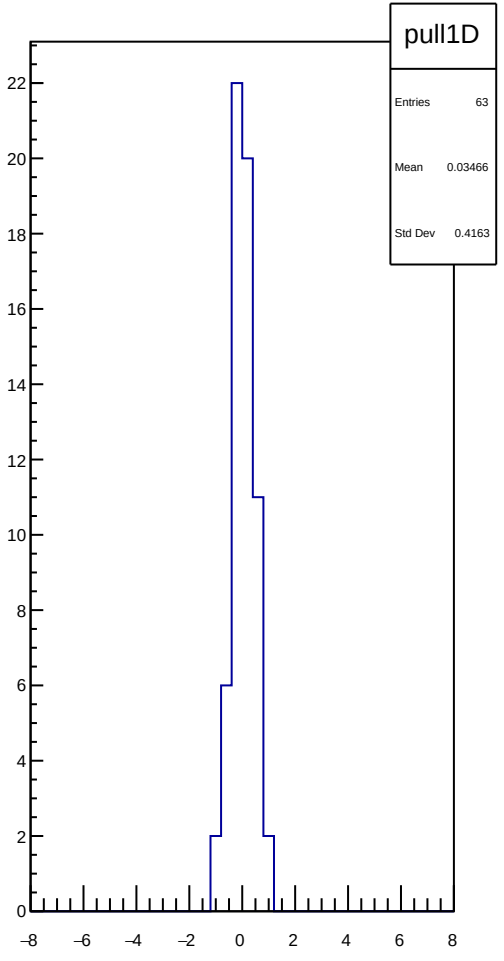

pull1D
Entries 63
Mean −0.02536
Std Dev 0.316

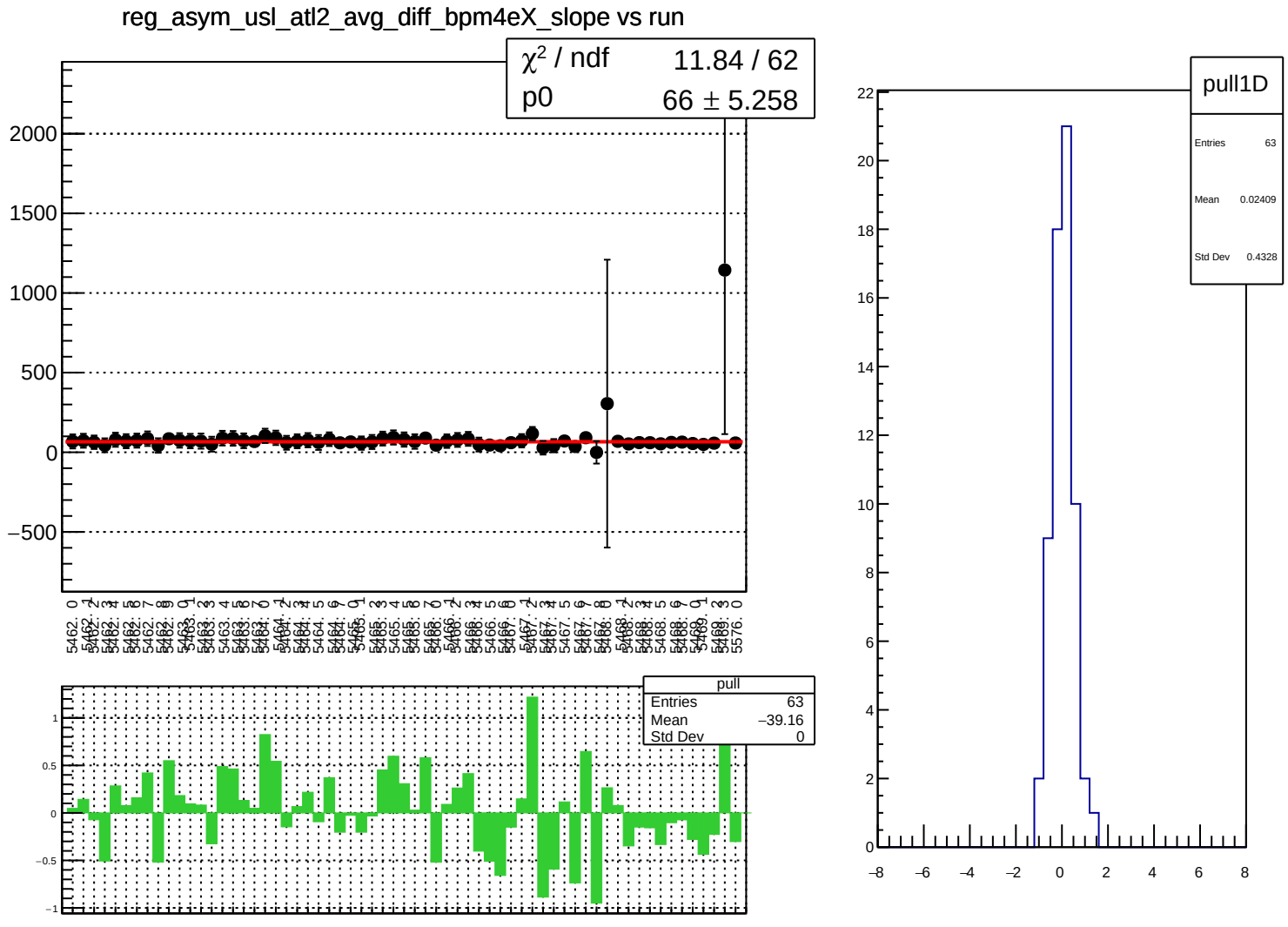

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 1.19e+04 / 62
p0 −116.4 ± 0.2027
pull
Entries 63
Mean −42.74
Std Dev 0
pull1D
Entries 63
Mean −2.601
Std Dev 0.952

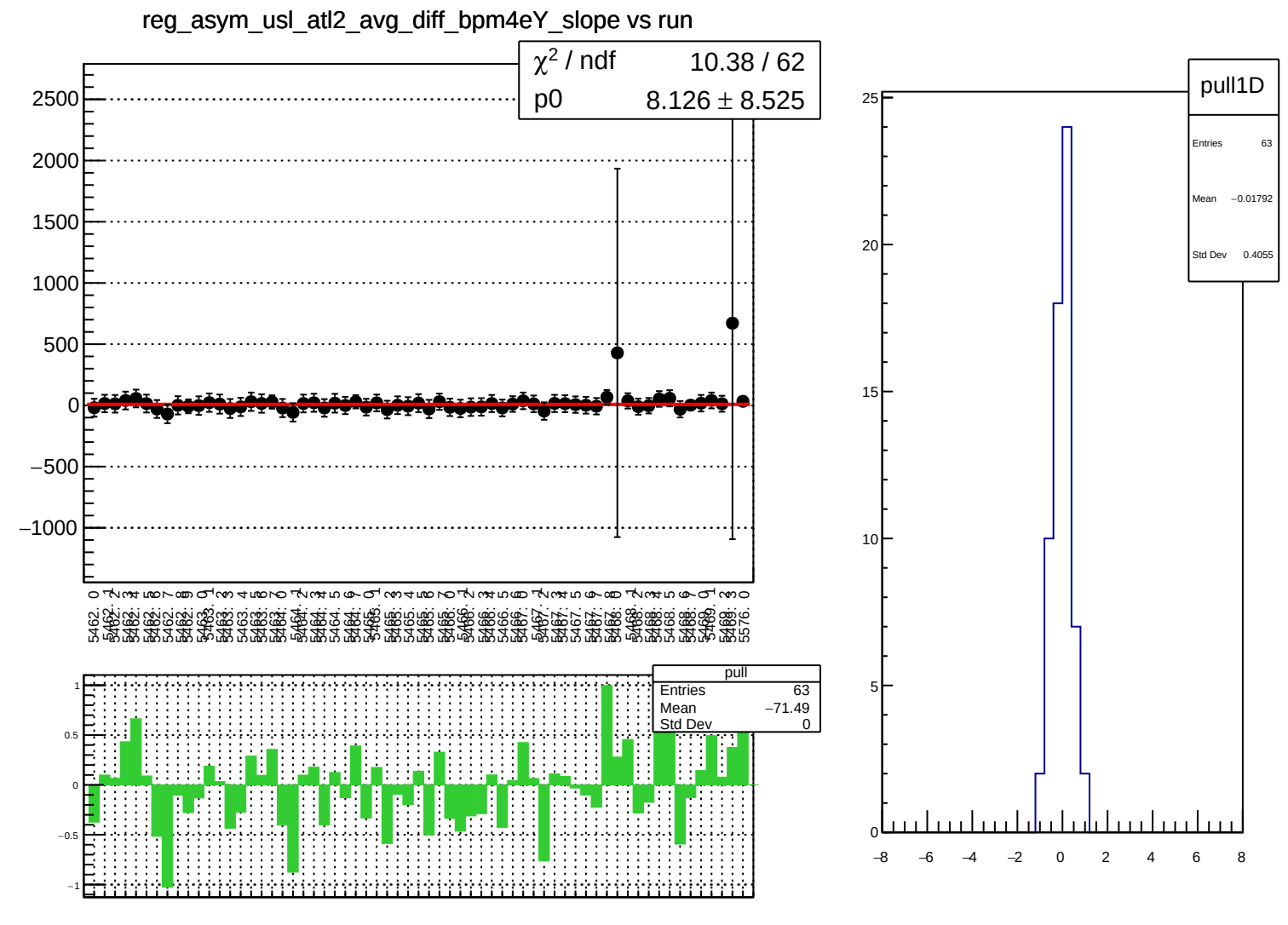

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 10.88 / 62
p0 −129.1± 6.702
pull
Entries 63
Mean −31.51
Std Dev 0

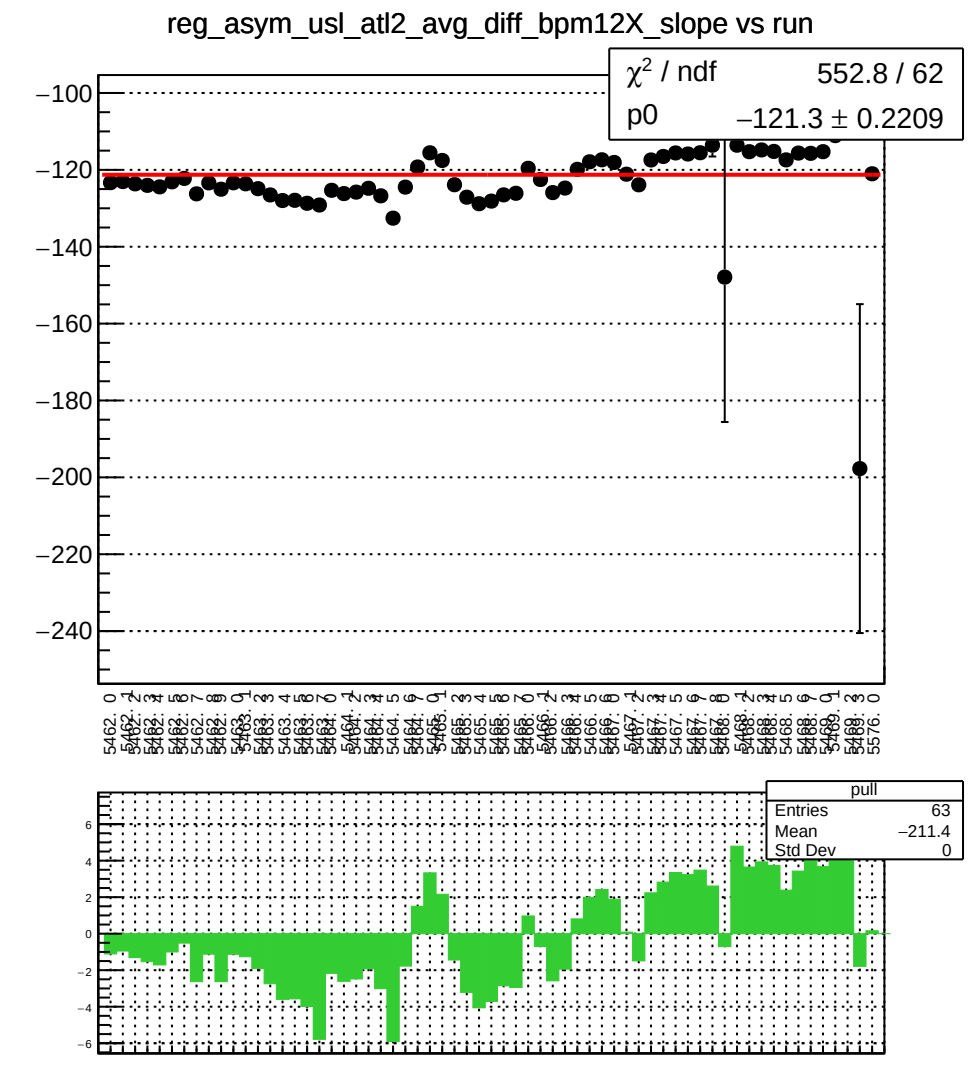

pull1D
Entries 63
Mean −0.01856
Std Dev 0.4152

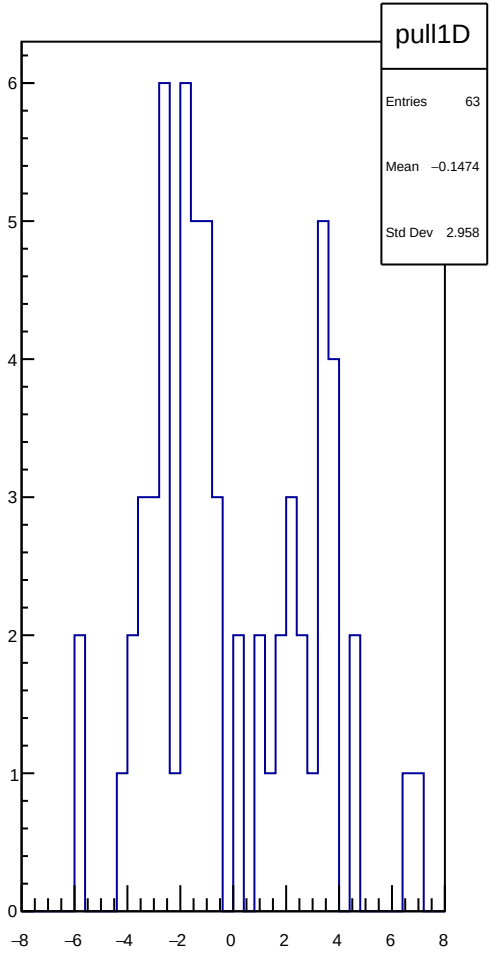

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11 / 62
p0 48.15 ± 7.127
pull
Entries 63
Mean −43.59
Std Dev 0

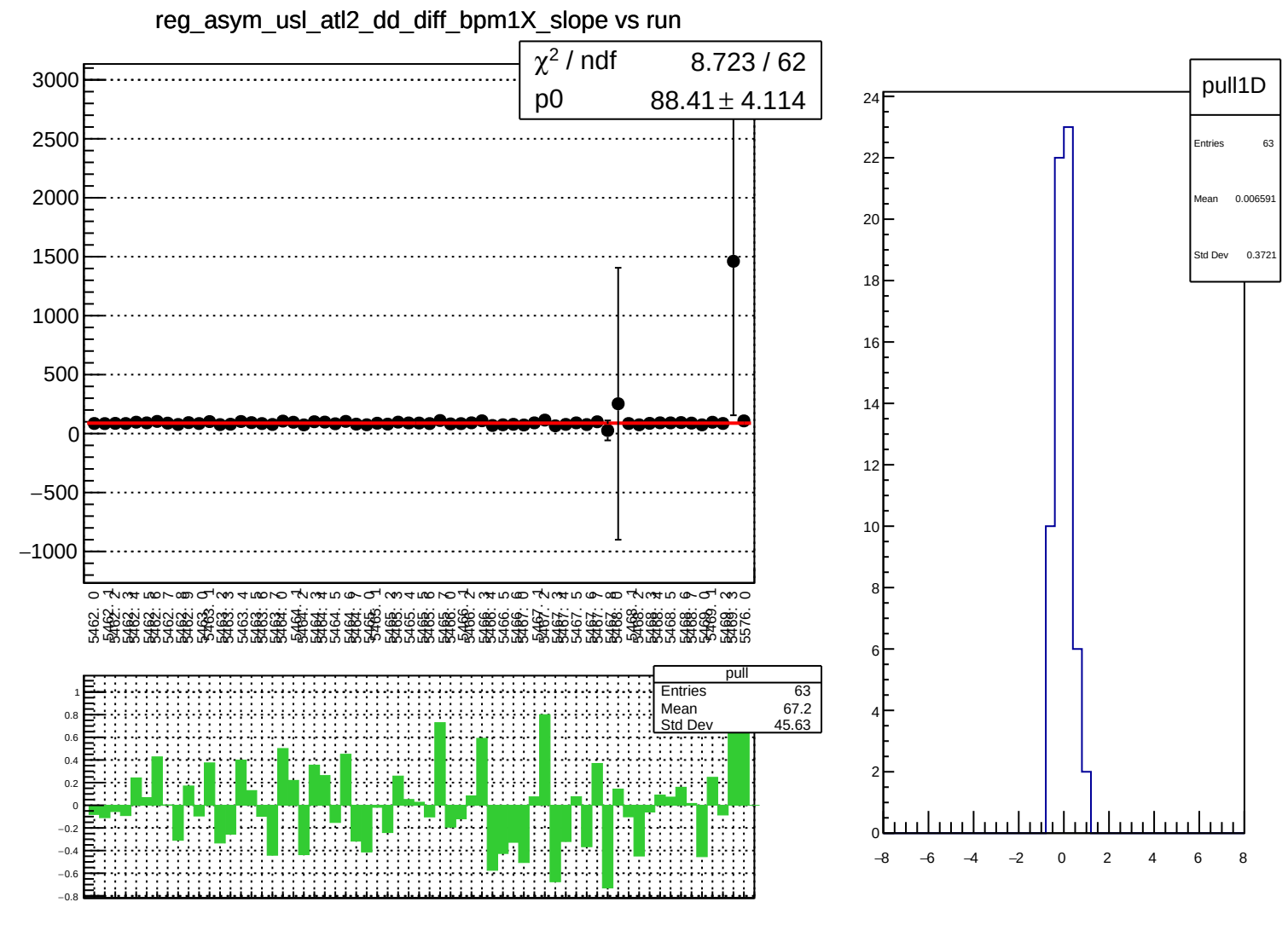

pull1D
Entries 63
Mean 0.03466
Std Dev 0.4163

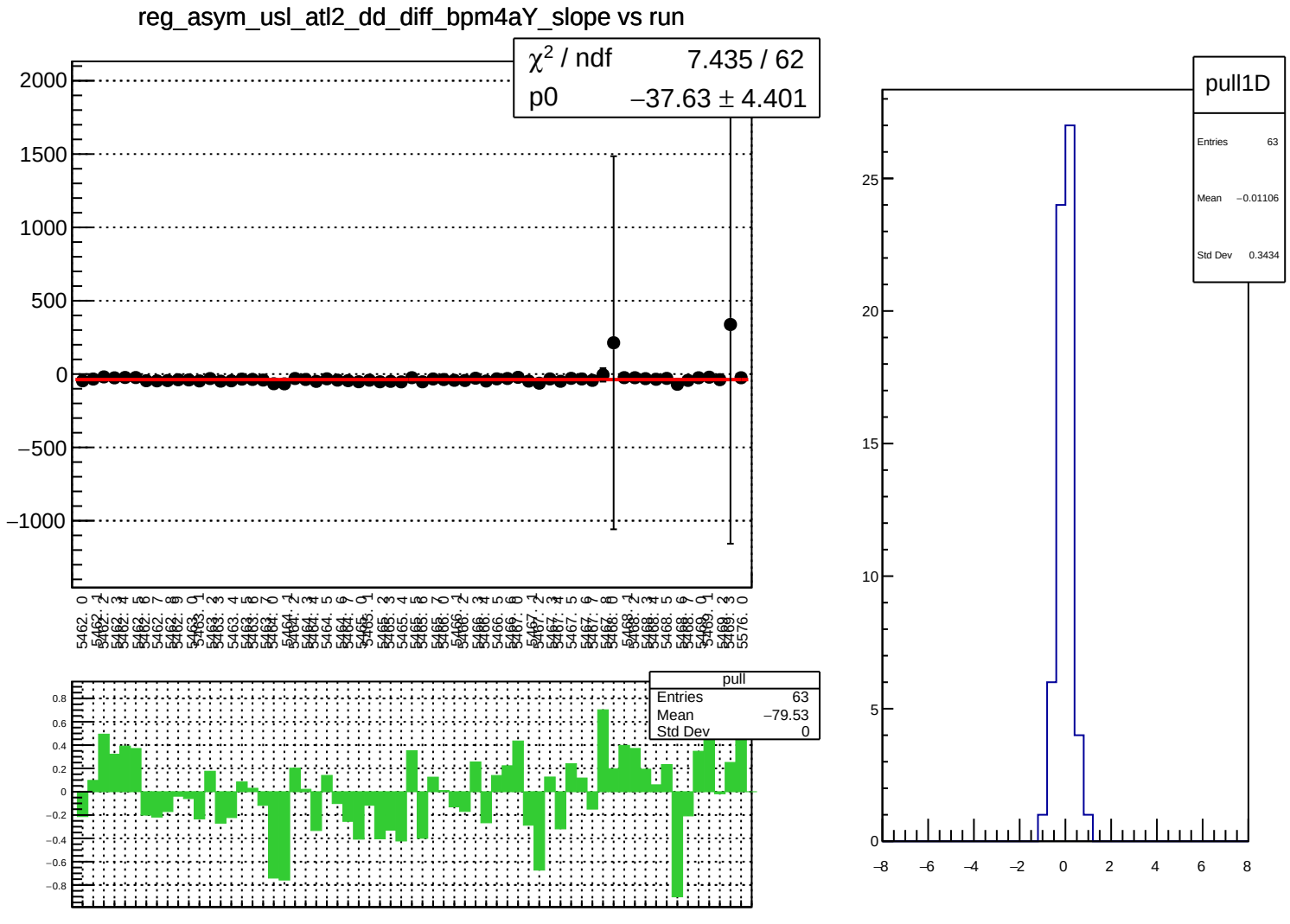

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.84 / 62
p0 66 ± 5.258
pull
Entries 63
Mean −39.16
Std Dev 0
pull1D
Entries 63
Mean 0.02409
Std Dev 0.4328

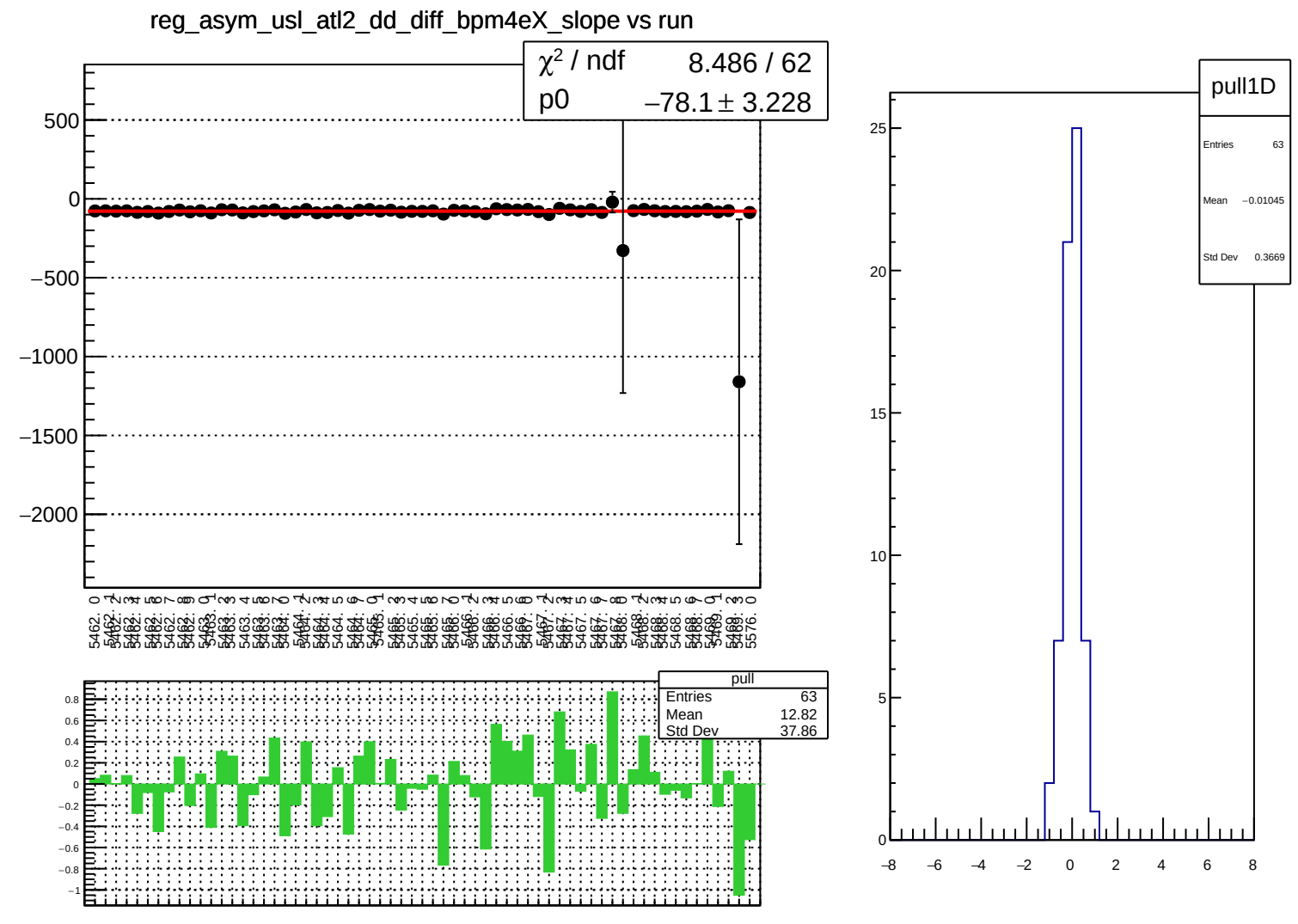

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.38 / 62
p0 8.126 ± 8.525
pull
Entries 63
Mean −71.49
Std Dev 0
pull1D
Entries 63
Mean −0.01792
Std Dev 0.4055

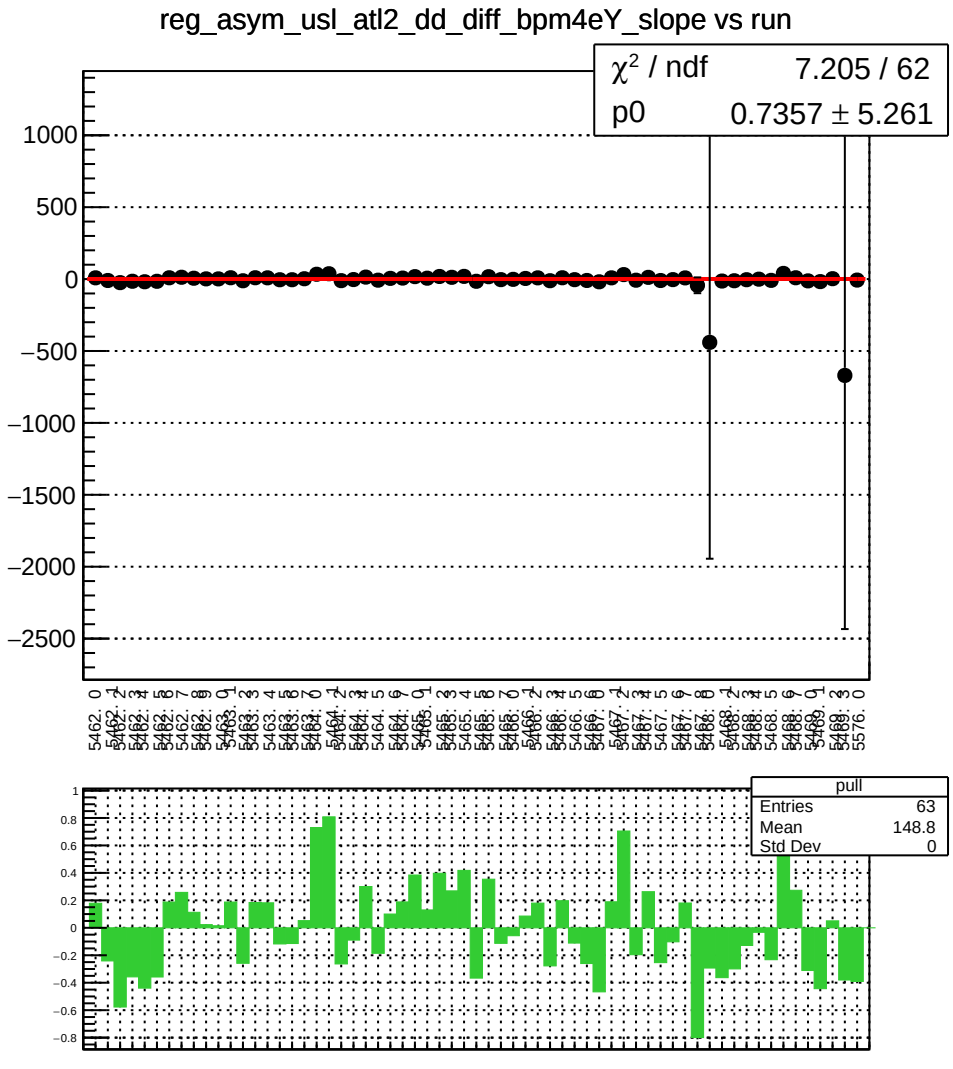

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 552.8 / 62
p0 −121.3 ± 0.2209
pull
Entries 63
Mean −211.4
Std Dev 0

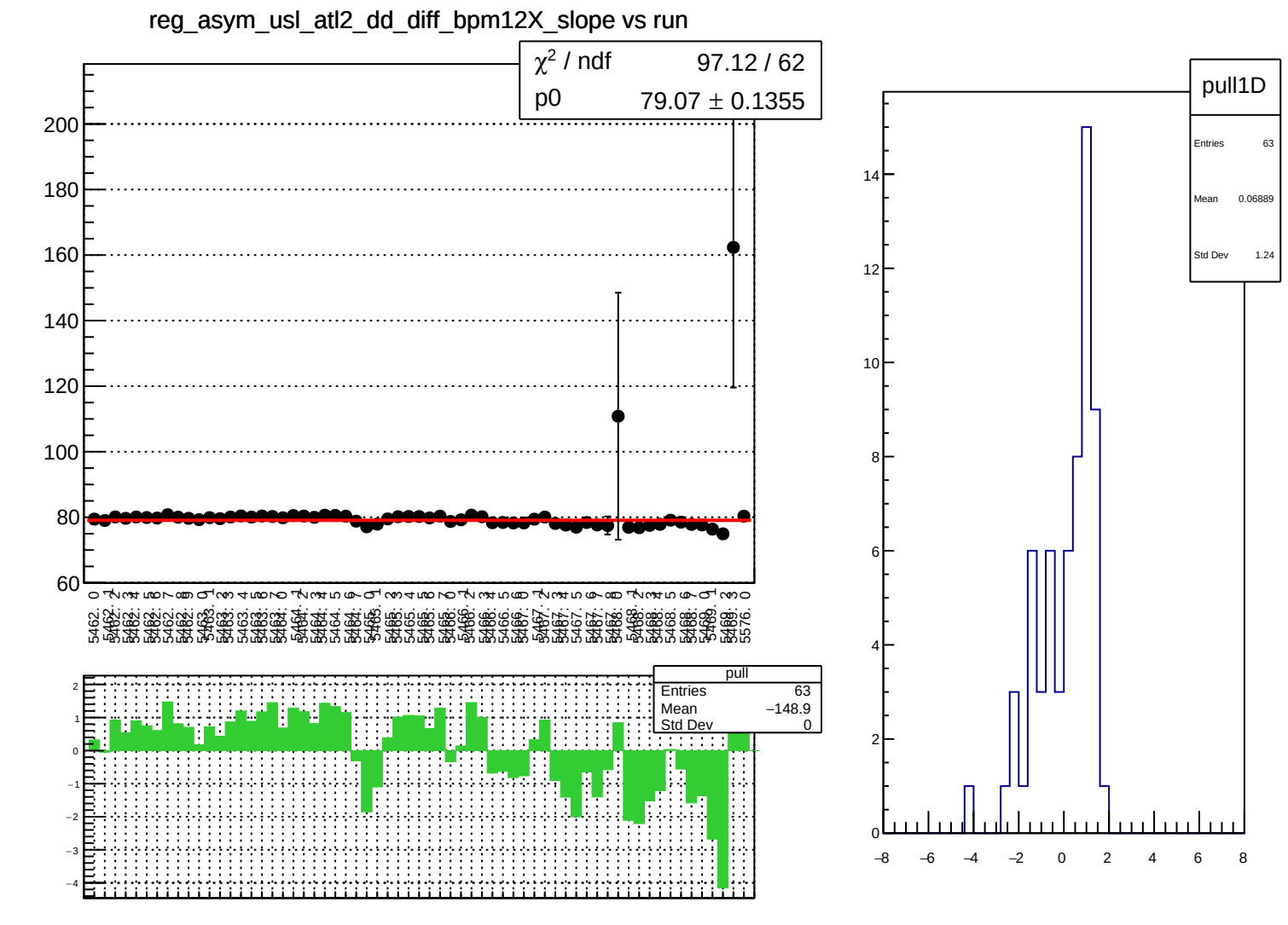

pull1D
Entries 63
Mean −0.1474
Std Dev 2.958

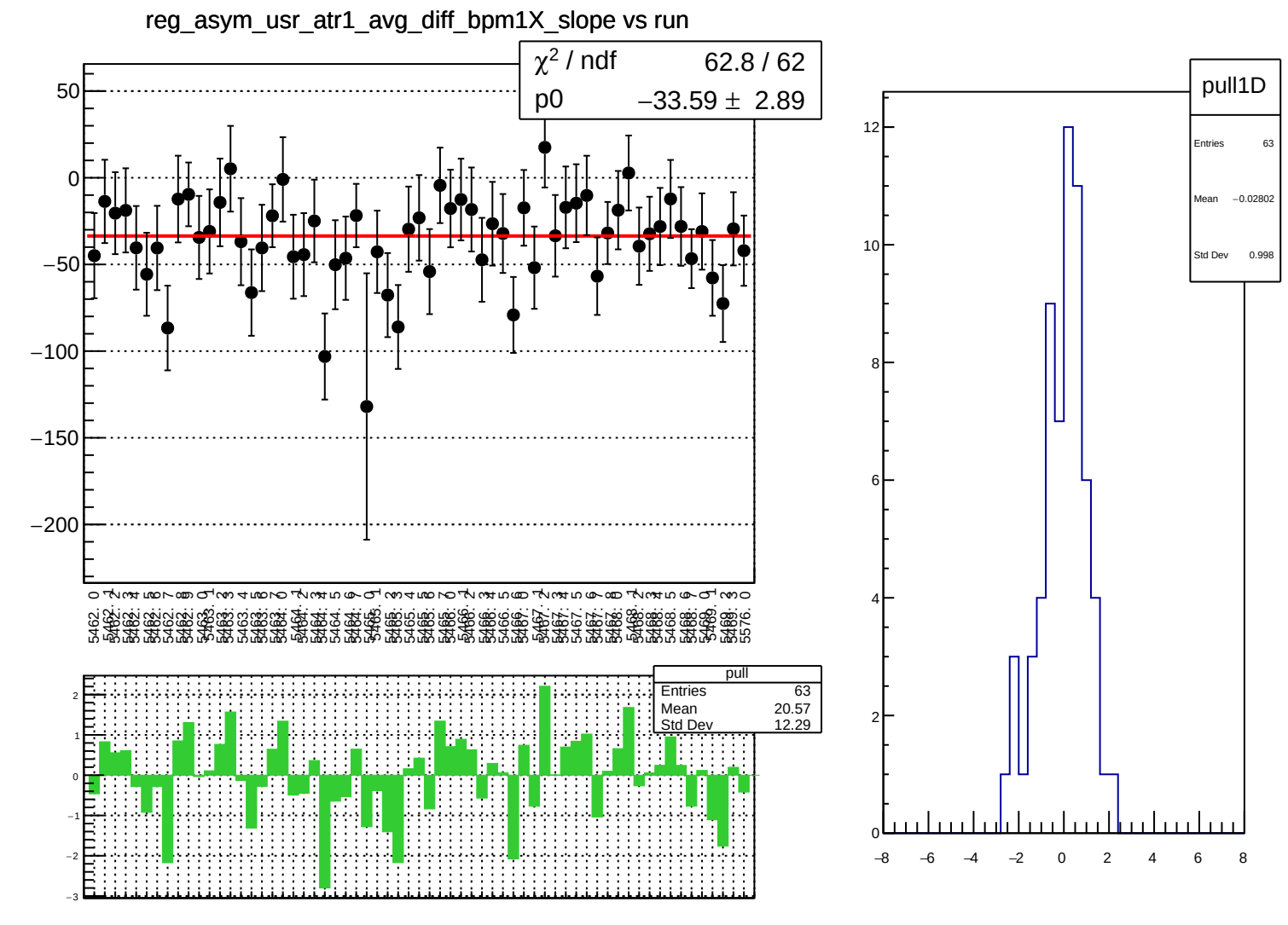

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.723 / 62
p0 88.41 ± 4.114
pull
Entries 63
Mean 67.2
Std Dev 45.63
pull1D
Entries 63
Mean 0.006591
Std Dev 0.3721

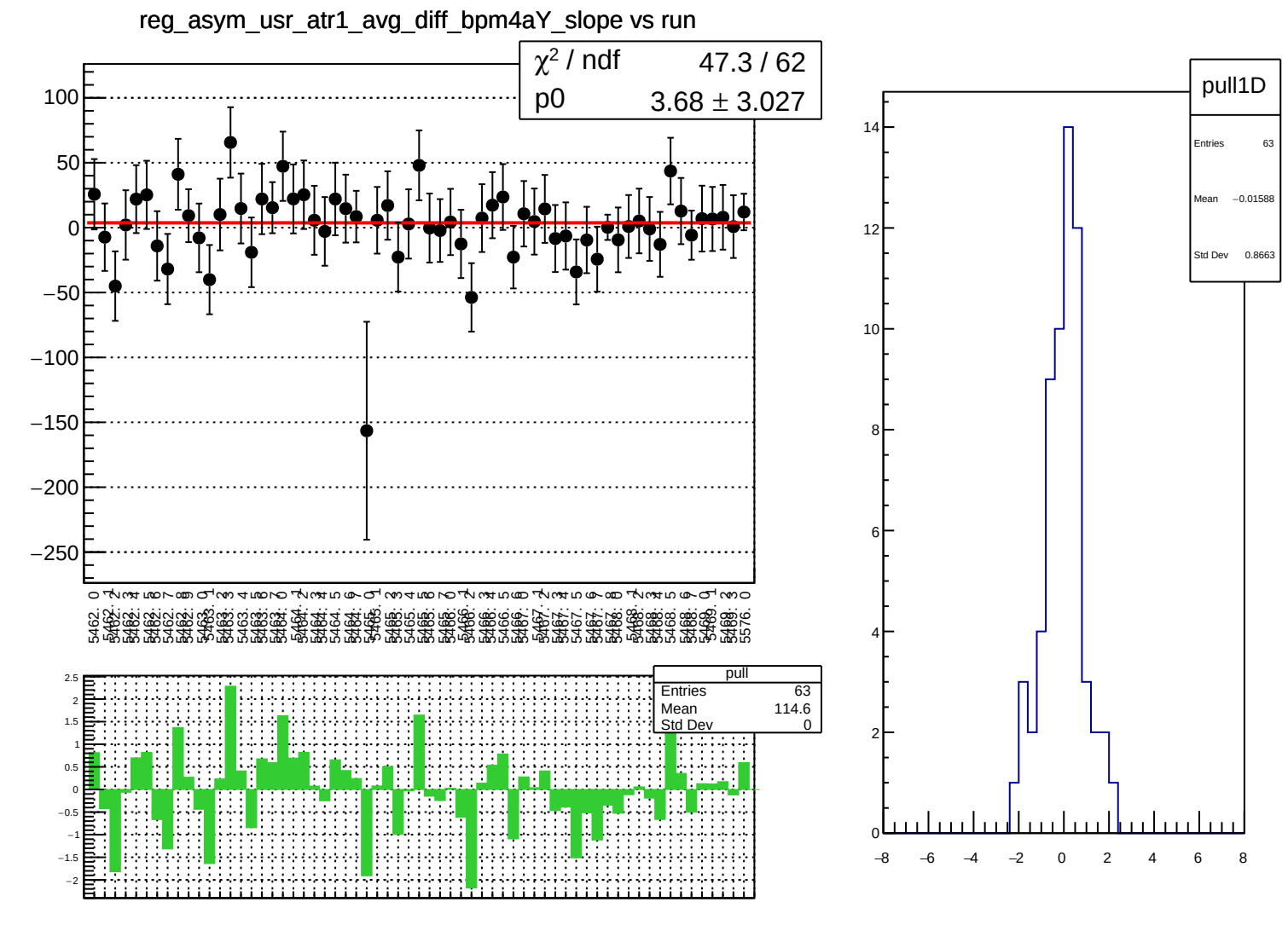

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.435 / 62
p0 −37.63 ± 4.401
2000
1500
1000
500
0
−500
−1000
pull
Entries 63
Mean −79.53
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 63
Mean −0.01106
Std Dev 0.3434
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

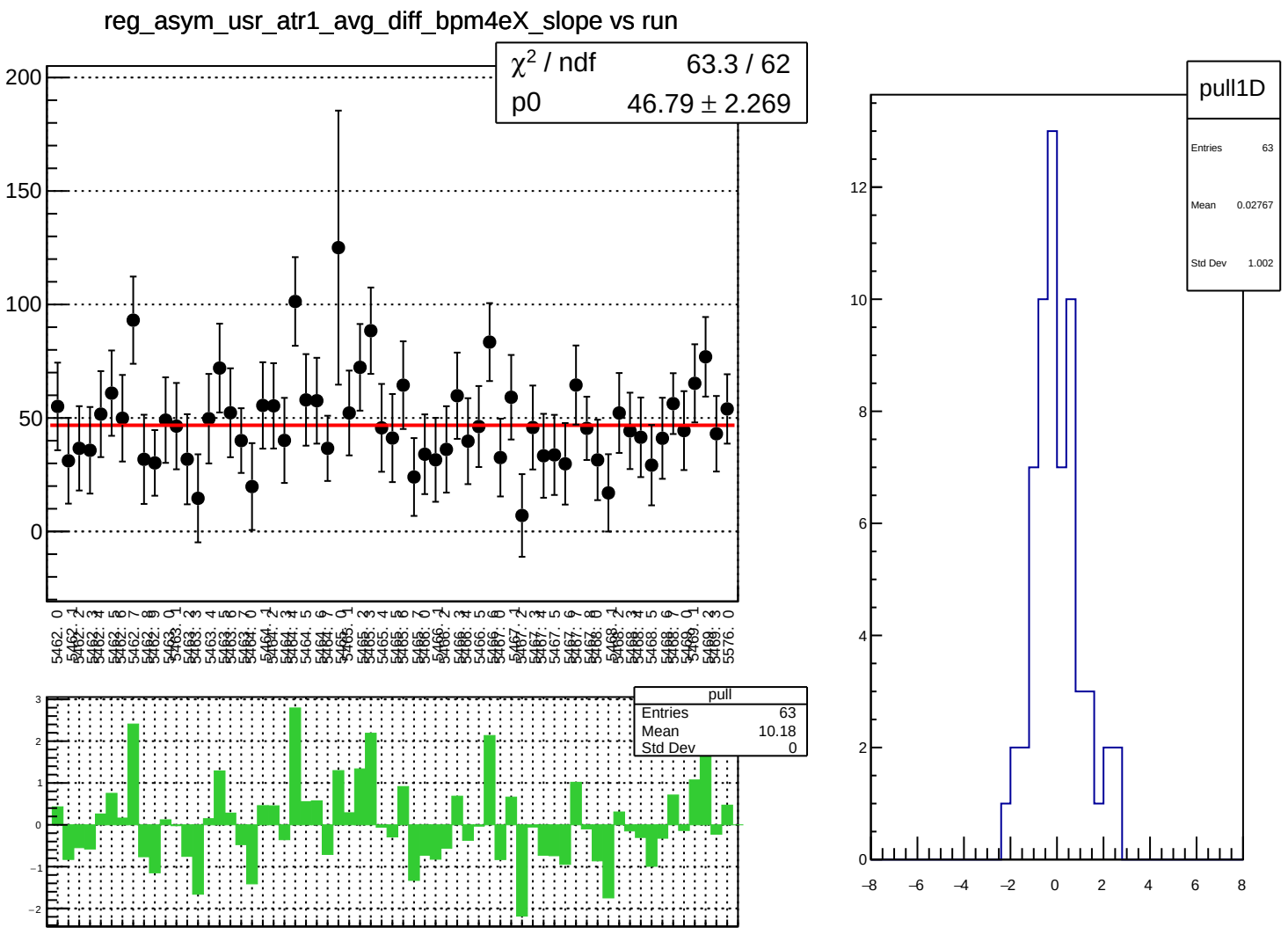

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.486 / 62
p0 −78.1 ± 3.228
pull
Entries 63
Mean 12.82
Std Dev 37.86
pull1D
Entries 63
Mean −0.01045
Std Dev 0.3669

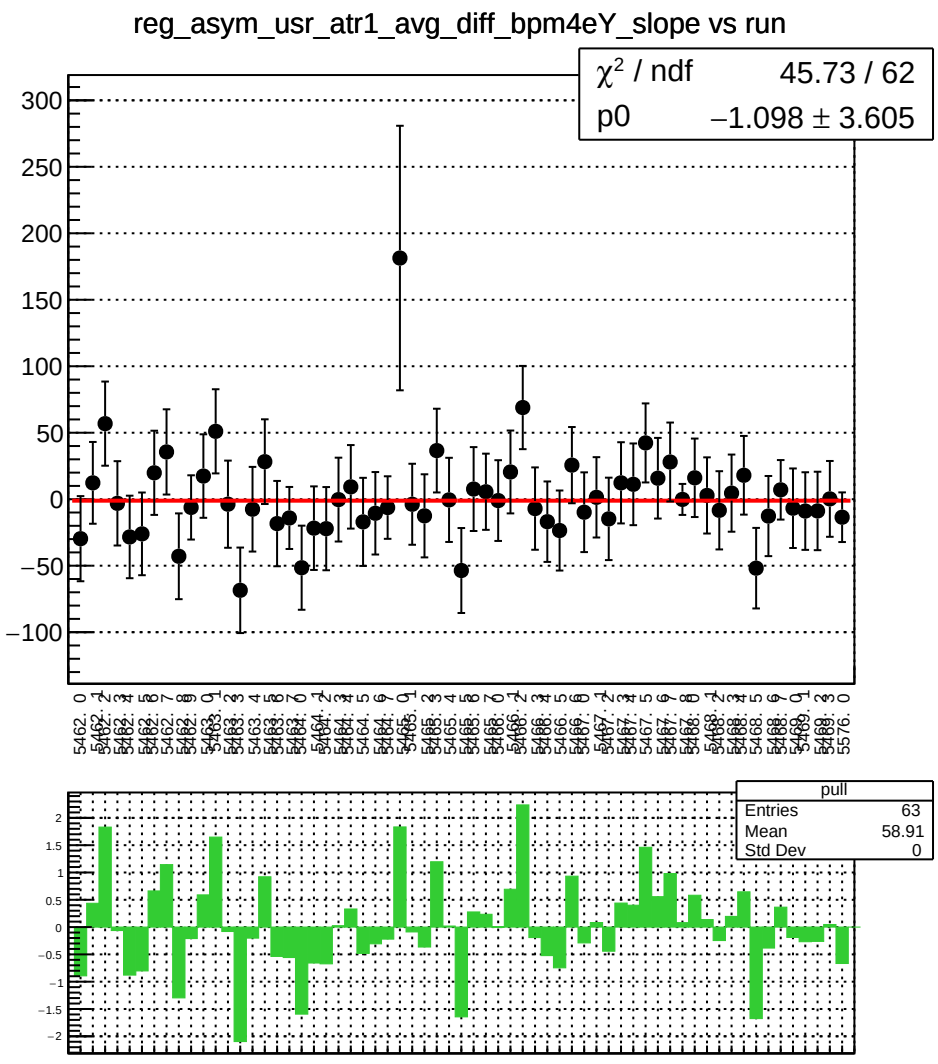

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.205 / 62
p0 0.7357 ± 5.261
pull
Entries 63
Mean 148.8
Std Dev 0
pull1D
Entries 63
Mean −0.005832
Std Dev 0.3381

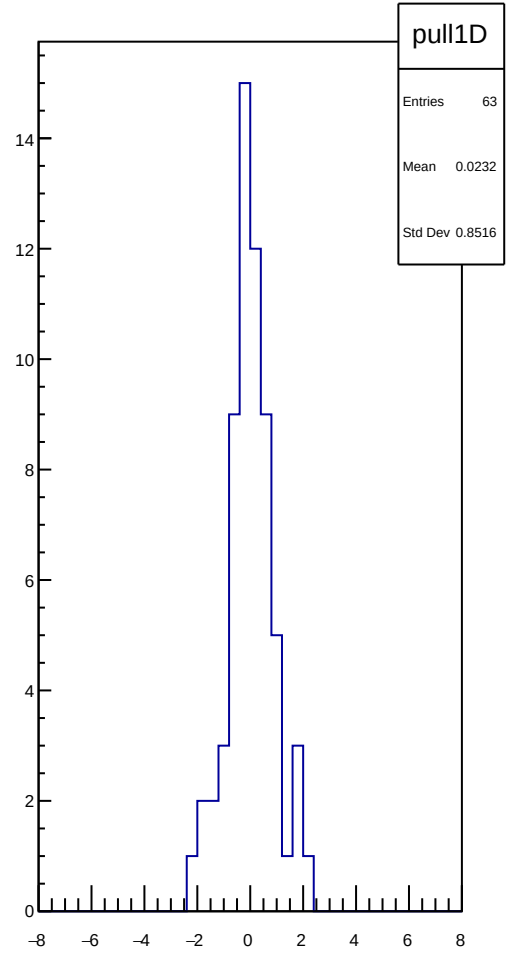

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 97.12 / 62
p0 79.07 ± 0.1355
pull
Entries 63
Mean −148.9
Std Dev 0
pull1D
Entries 63
Mean 0.06889
Std Dev 1.24

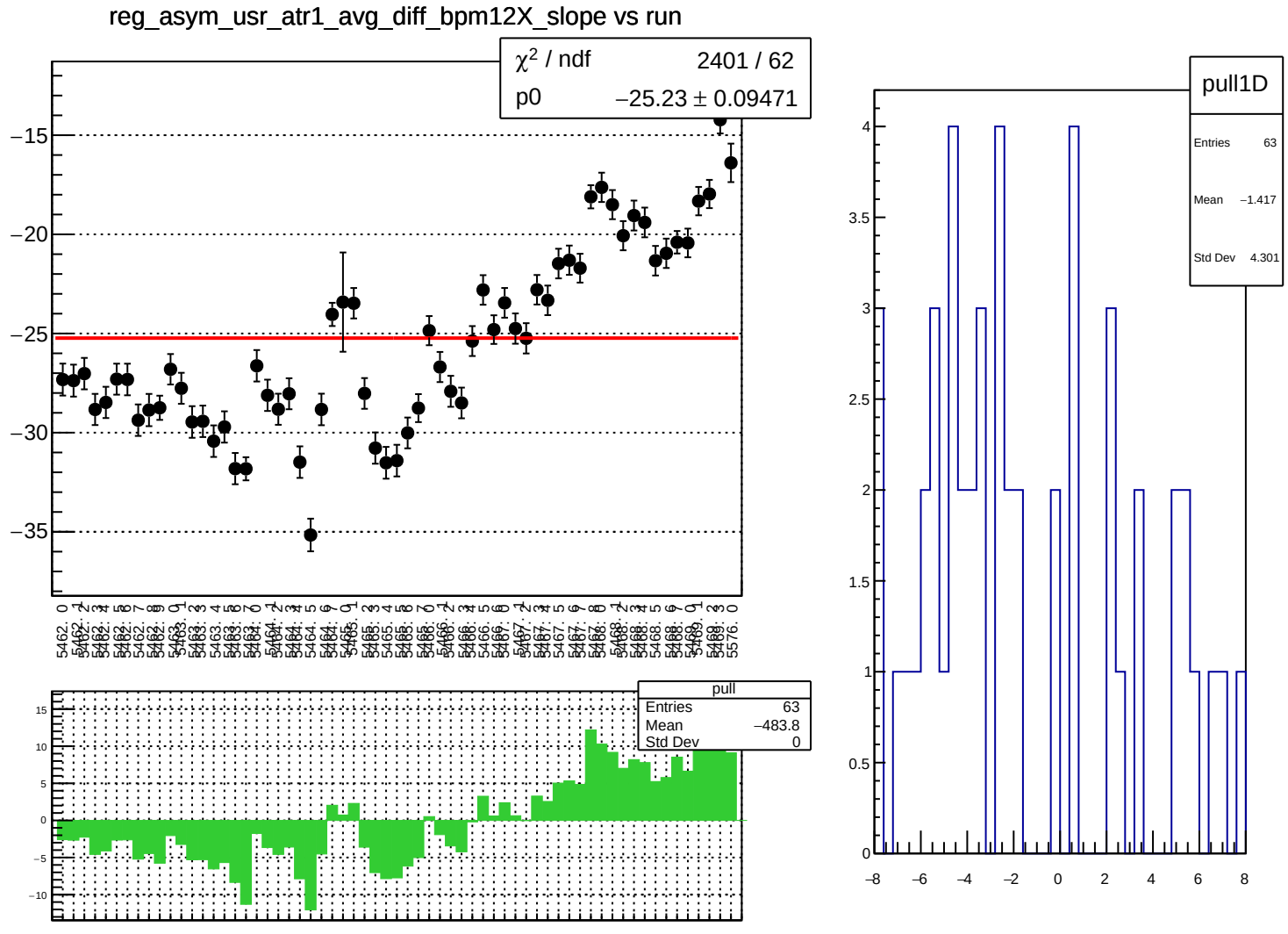

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 62.8 / 62
p0 −33.59 ± 2.89
pull
Entries 63
Mean 20.57
Std Dev 12.29
pull1D
Entries 63
Mean −0.02802
Std Dev 0.998

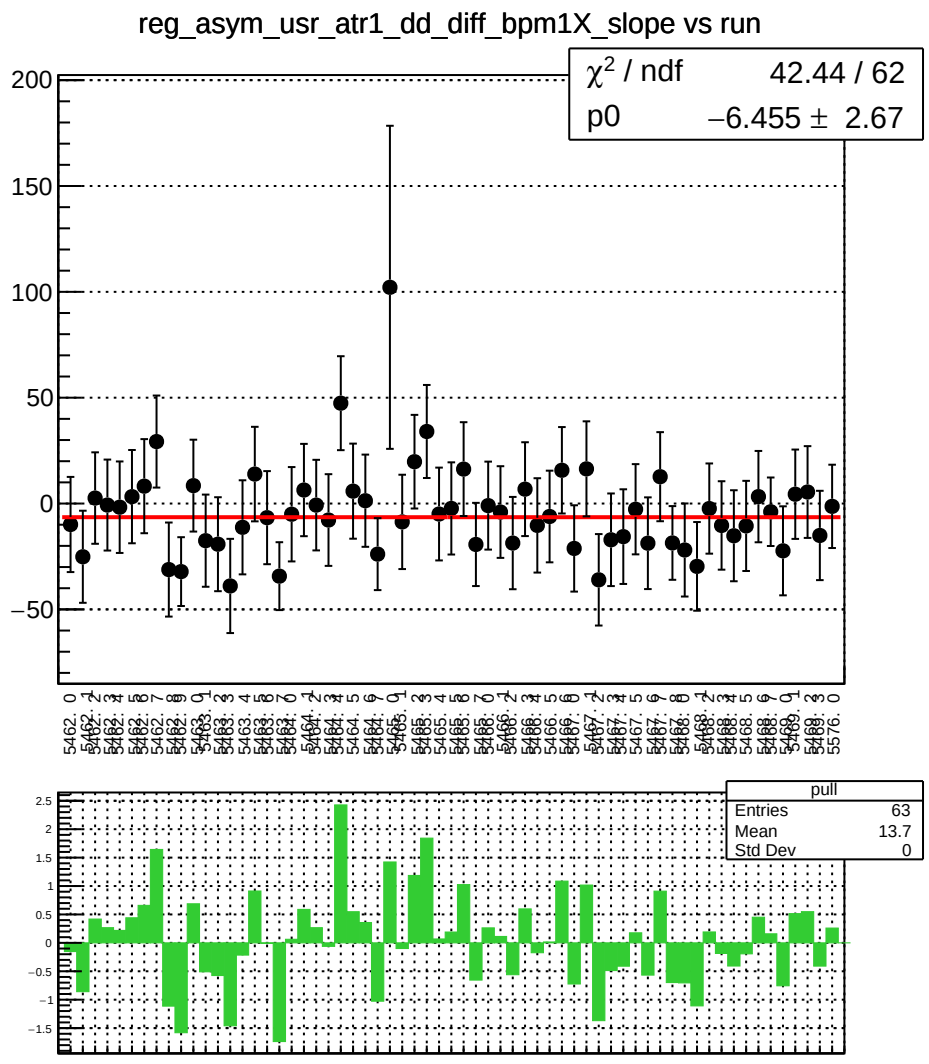

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.3 / 62
p0 3.68 ± 3.027
pull
Entries 63
Mean 114.6
Std Dev 0
pull1D
Entries 63
Mean −0.01588
Std Dev 0.8663

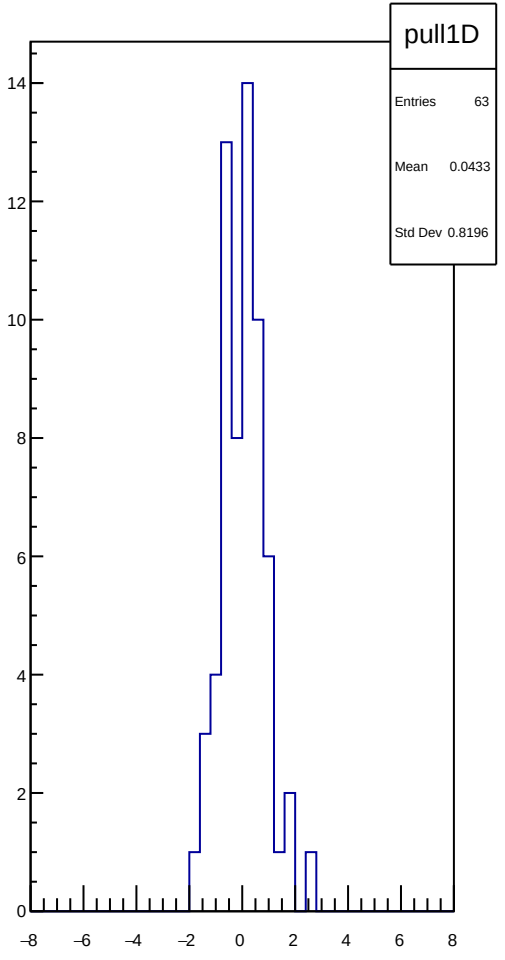

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.3 / 62
p0 46.79 ± 2.269
200
150
100
50
0
pull
Entries 63
Mean 10.18
Std Dev 0
pull1D
Entries 63
Mean 0.02767
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

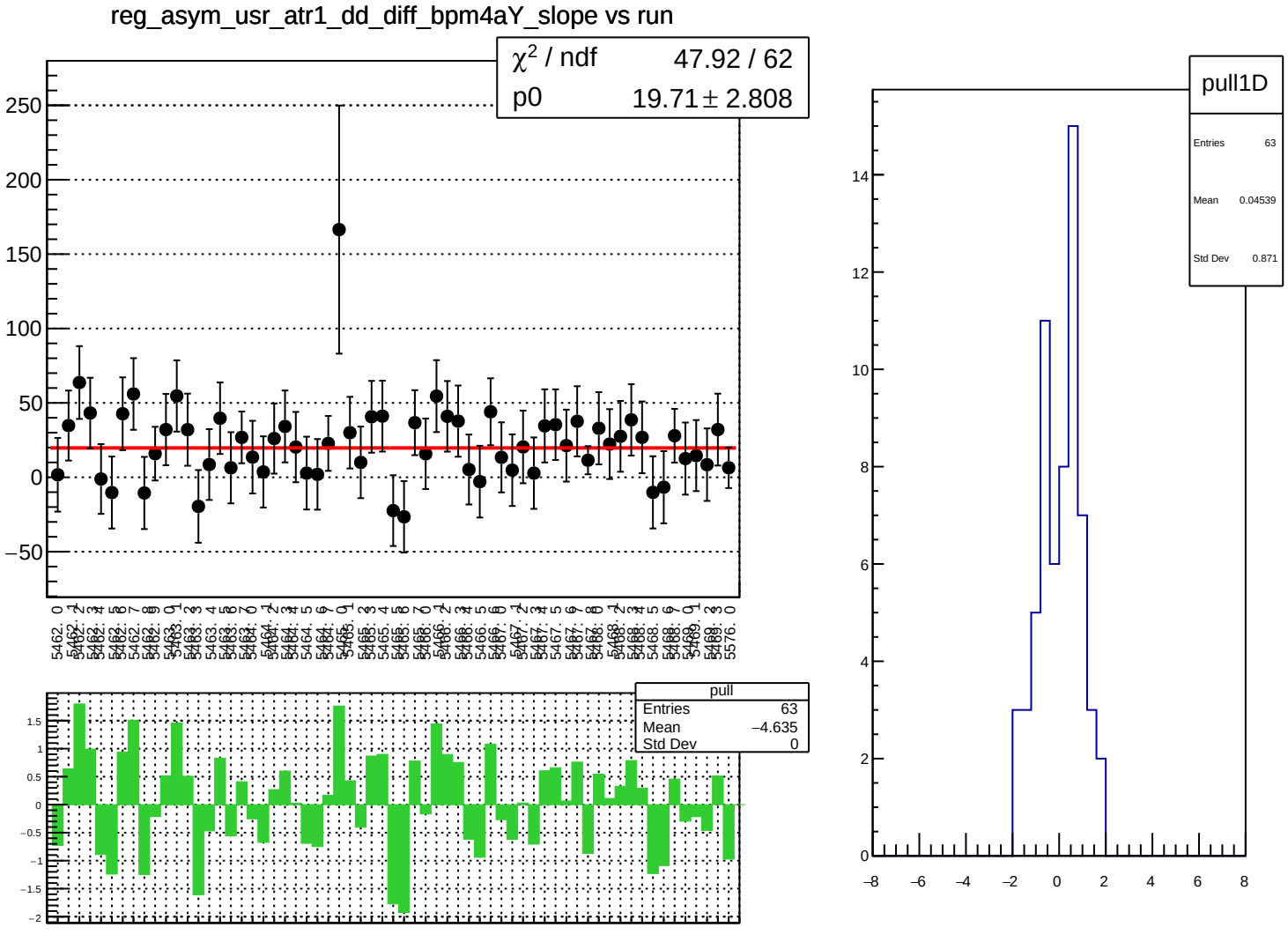

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.73 / 62
p0 −1.098 ± 3.605
pull
Entries 63
Mean 58.91
Std Dev 0

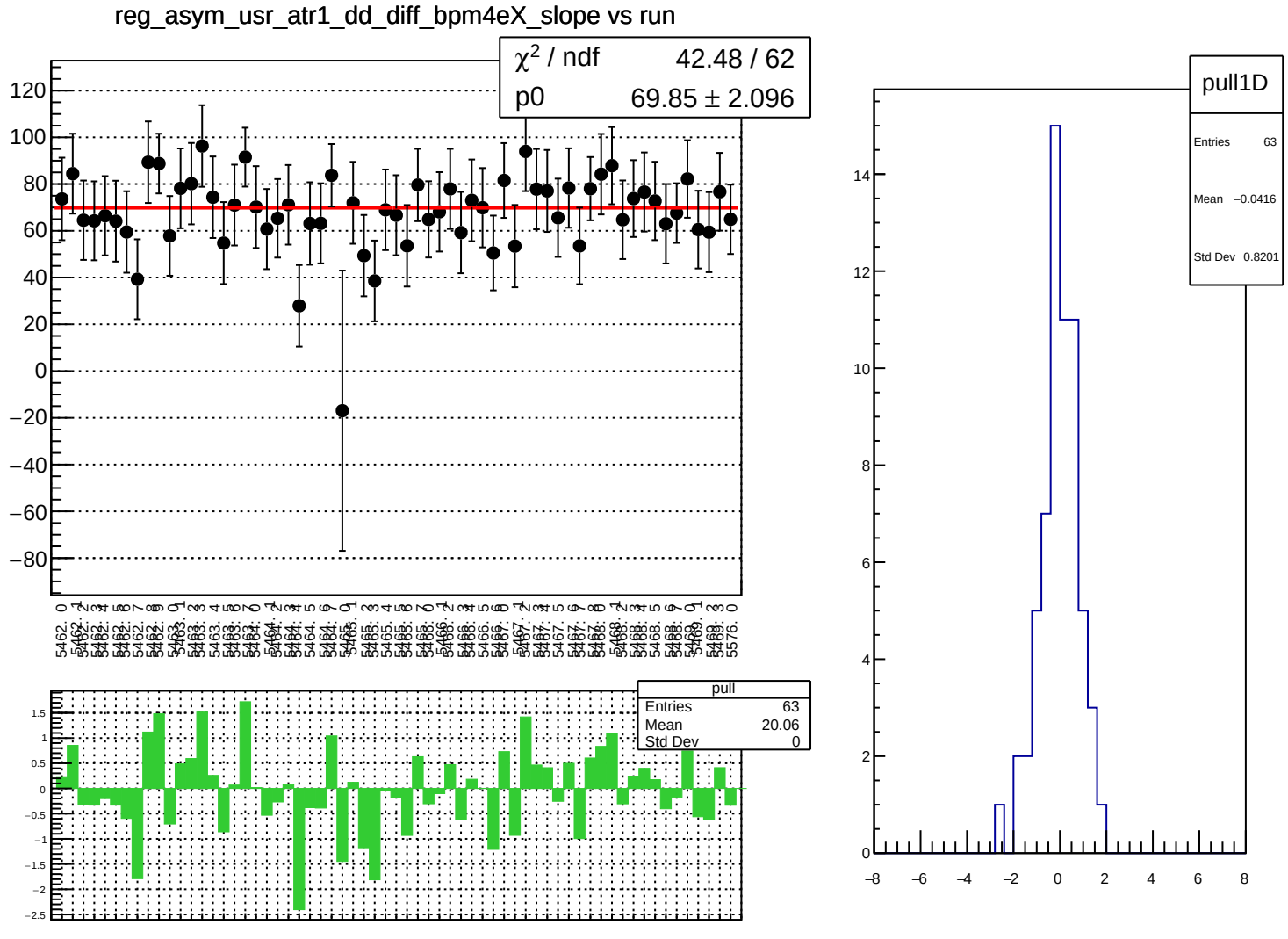

pull1D
Entries 63
Mean 0.0232
Std Dev 0.8516

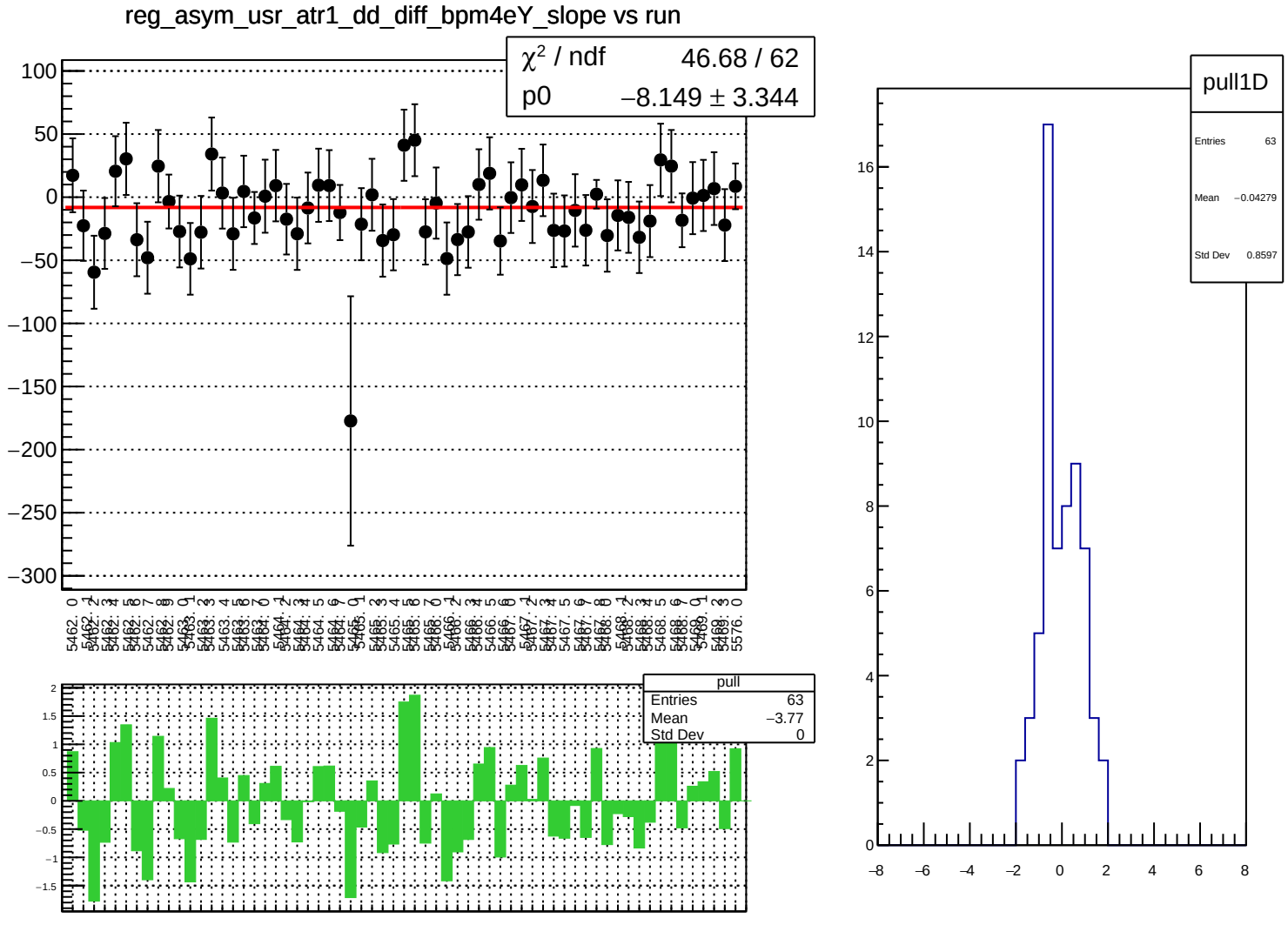

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 2401 / 62
p0 −25.23 ± 0.09471
pull
Entries 63
Mean −483.8
Std Dev 0
pull1D
Entries 63
Mean −1.417
Std Dev 4.301

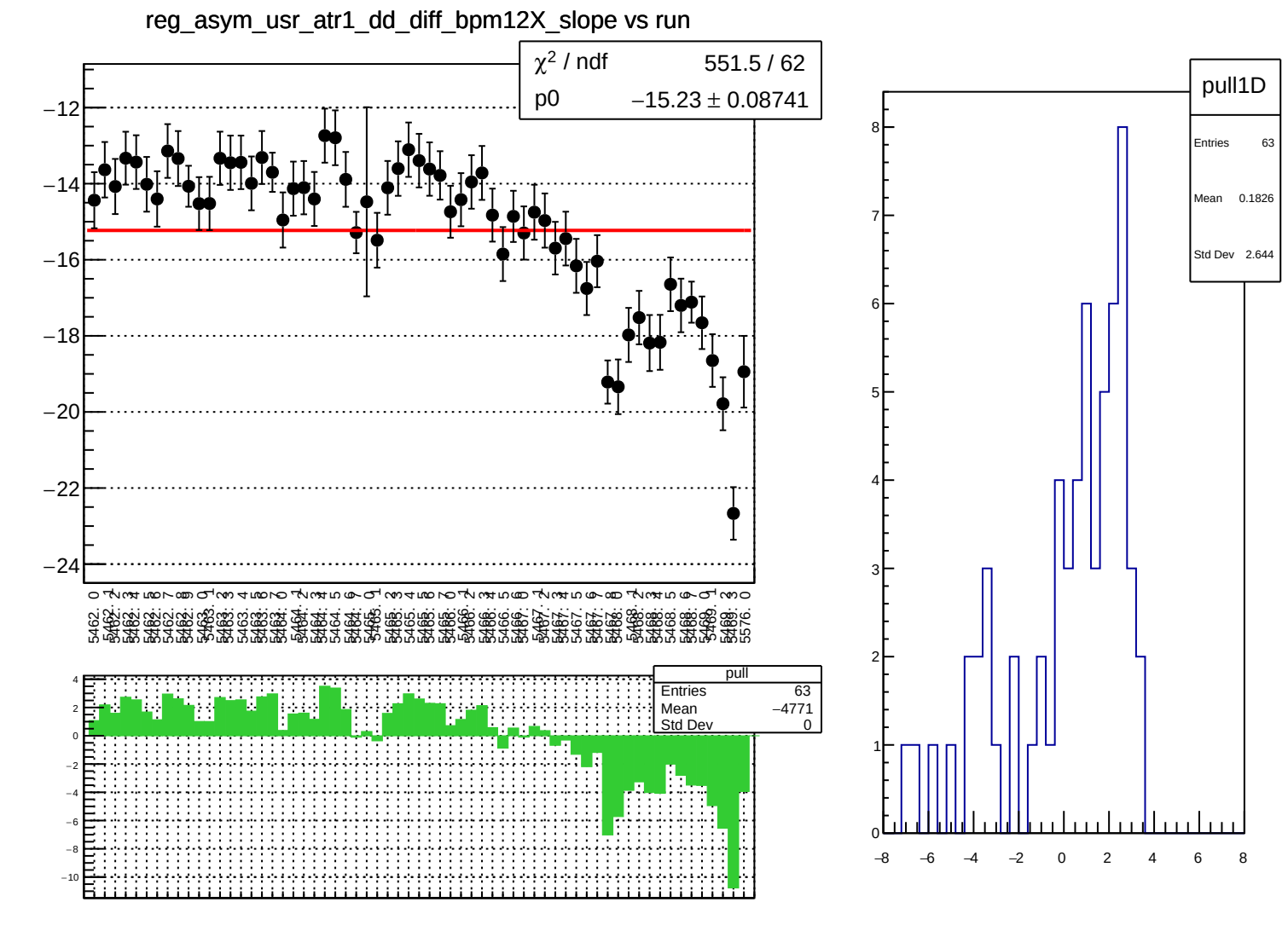

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 42.44 / 62
p0 −6.455 ± 2.67
pull
Entries 63
Mean 13.7
Std Dev 0

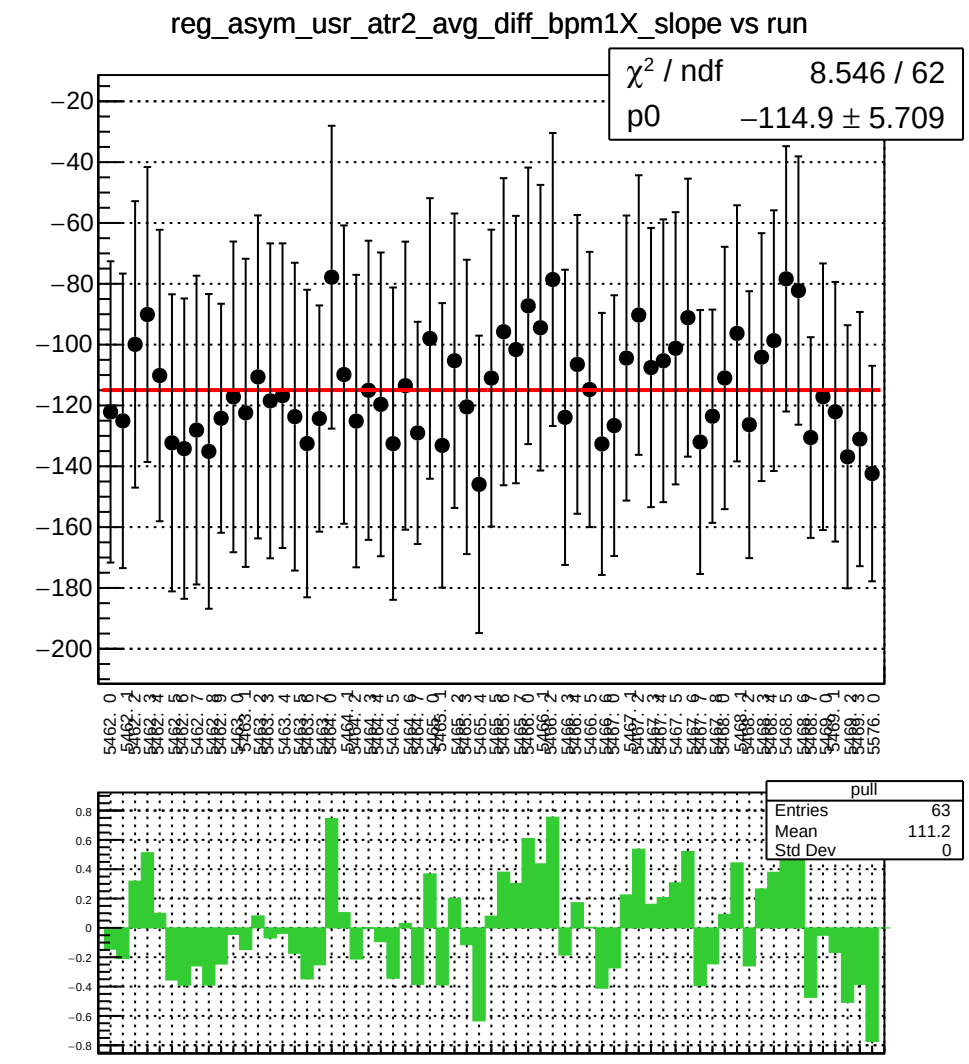

pull1D
Entries 63
Mean 0.0433
Std Dev 0.8196

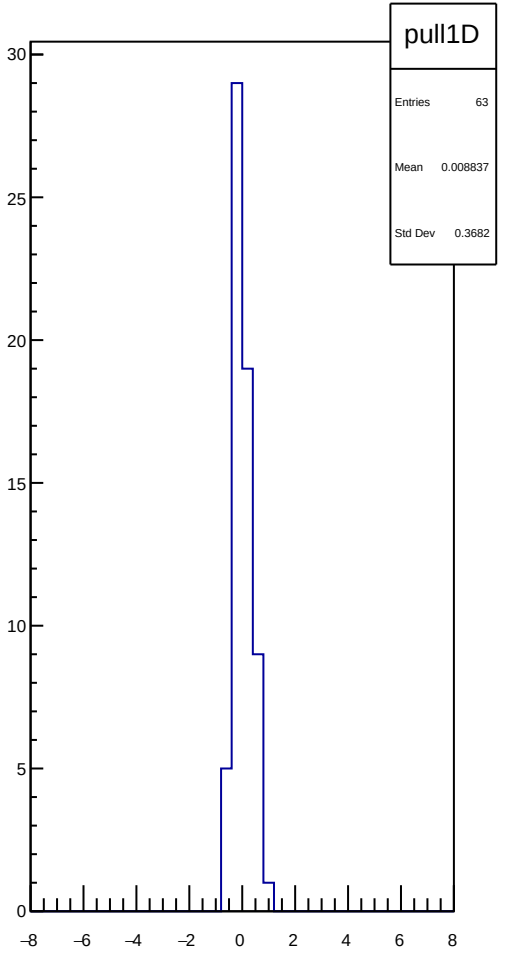

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.92 / 62
p0 19.71 ± 2.808
pull
Entries 63
Mean −4.635
Std Dev 0
pull1D
Entries 63
Mean 0.04539
Std Dev 0.871

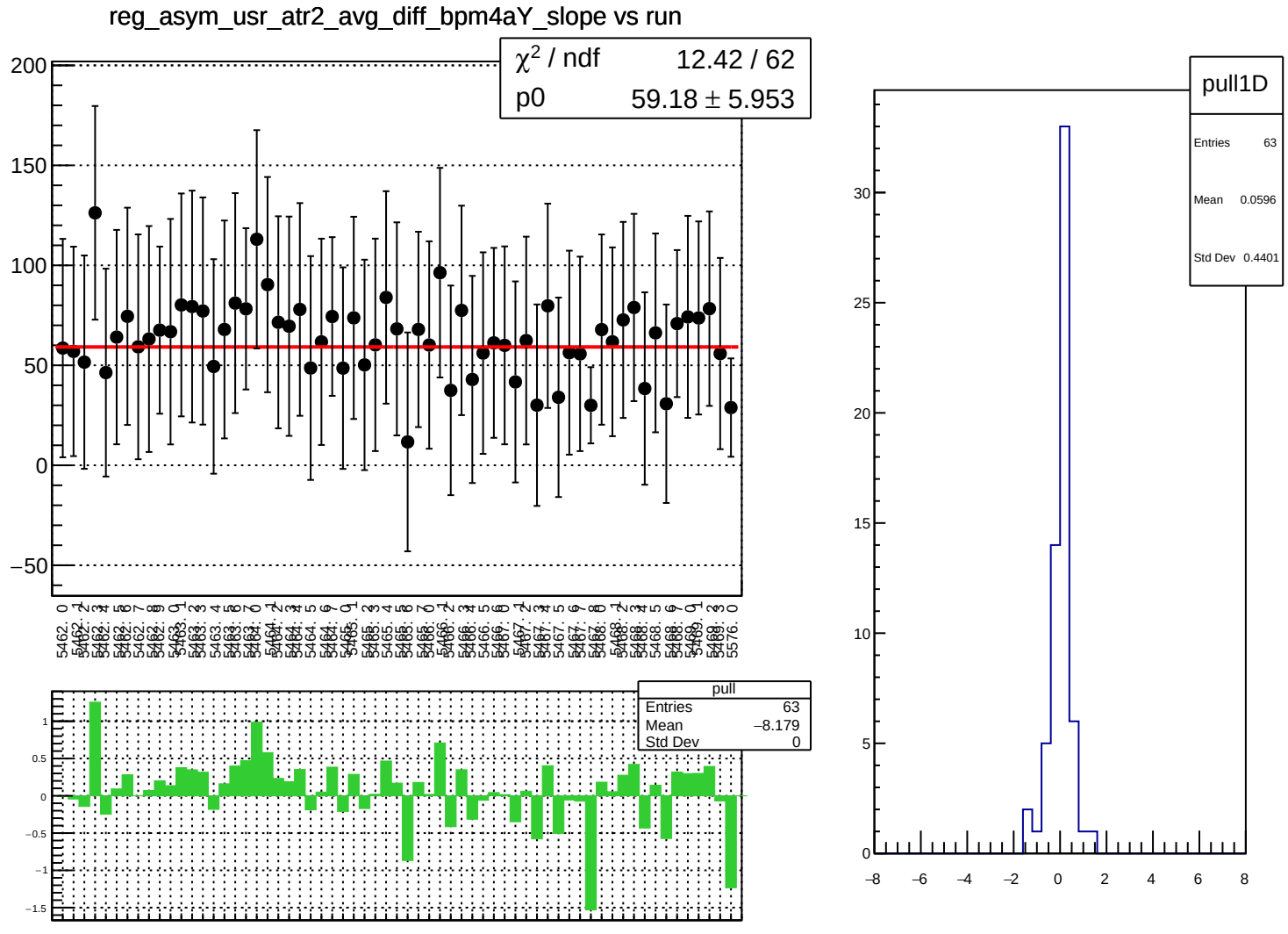

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.48 / 62
p0 69.85 ± 2.096
pull
Entries 63
Mean 20.06
Std Dev 0
pull1D
Entries 63
Mean −0.0416
Std Dev 0.8201

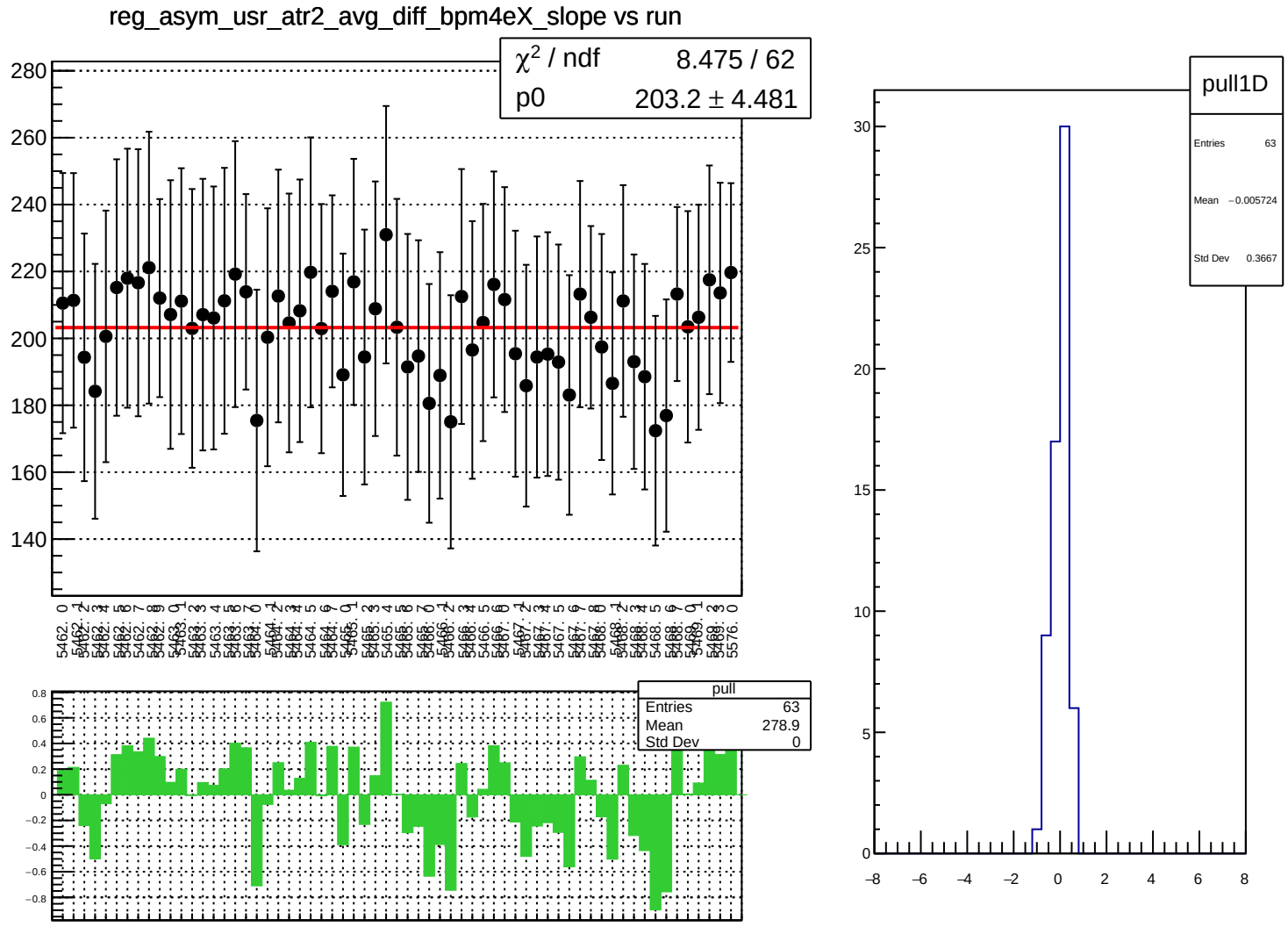

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.68 / 62
p0 −8.149 ± 3.344
pull
Entries 63
Mean −3.77
Std Dev 0
pull1D
Entries 63
Mean −0.04279
Std Dev 0.8597

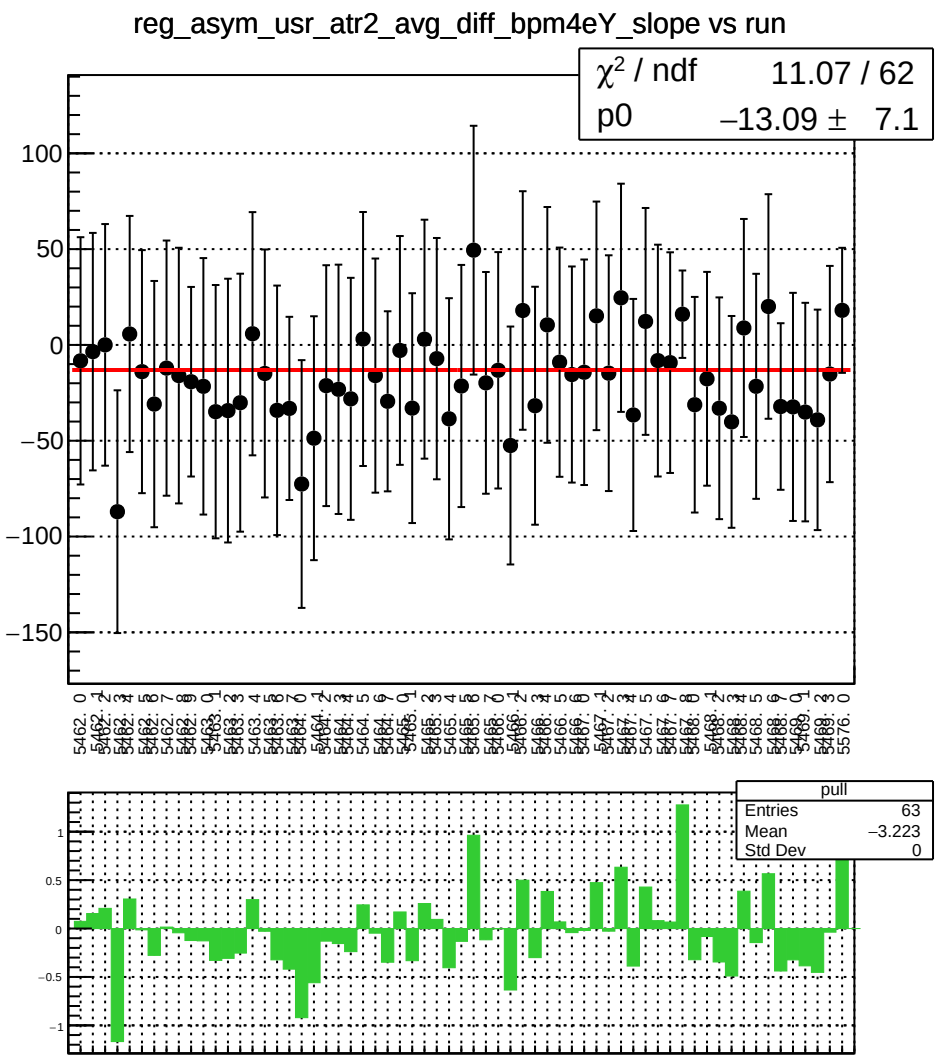

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 551.5 / 62
p0 −15.23 ± 0.08741
pull
Entries 63
Mean −4771
Std Dev 0
pull1D
Entries 63
Mean 0.1826
Std Dev 2.644

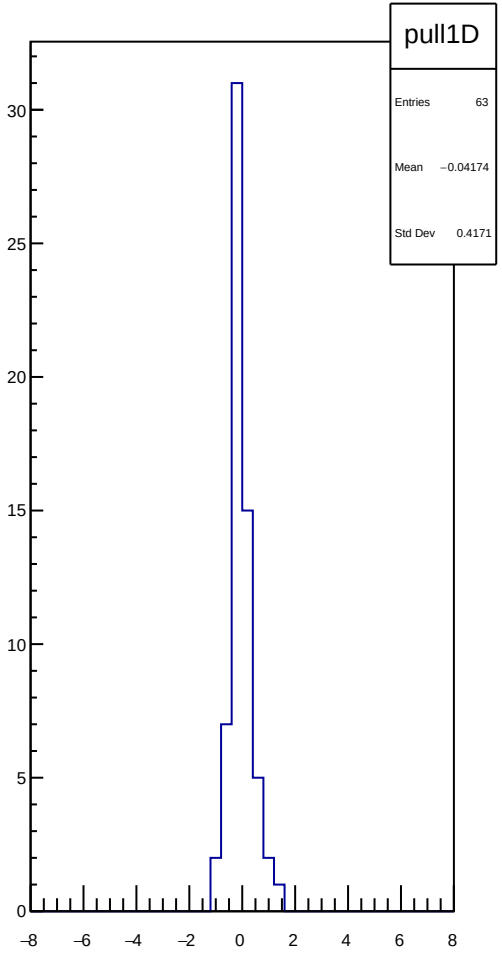

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.546 / 62
p0 −114.9 ± 5.709
pull
Entries 63
Mean 111.2
Std Dev 0

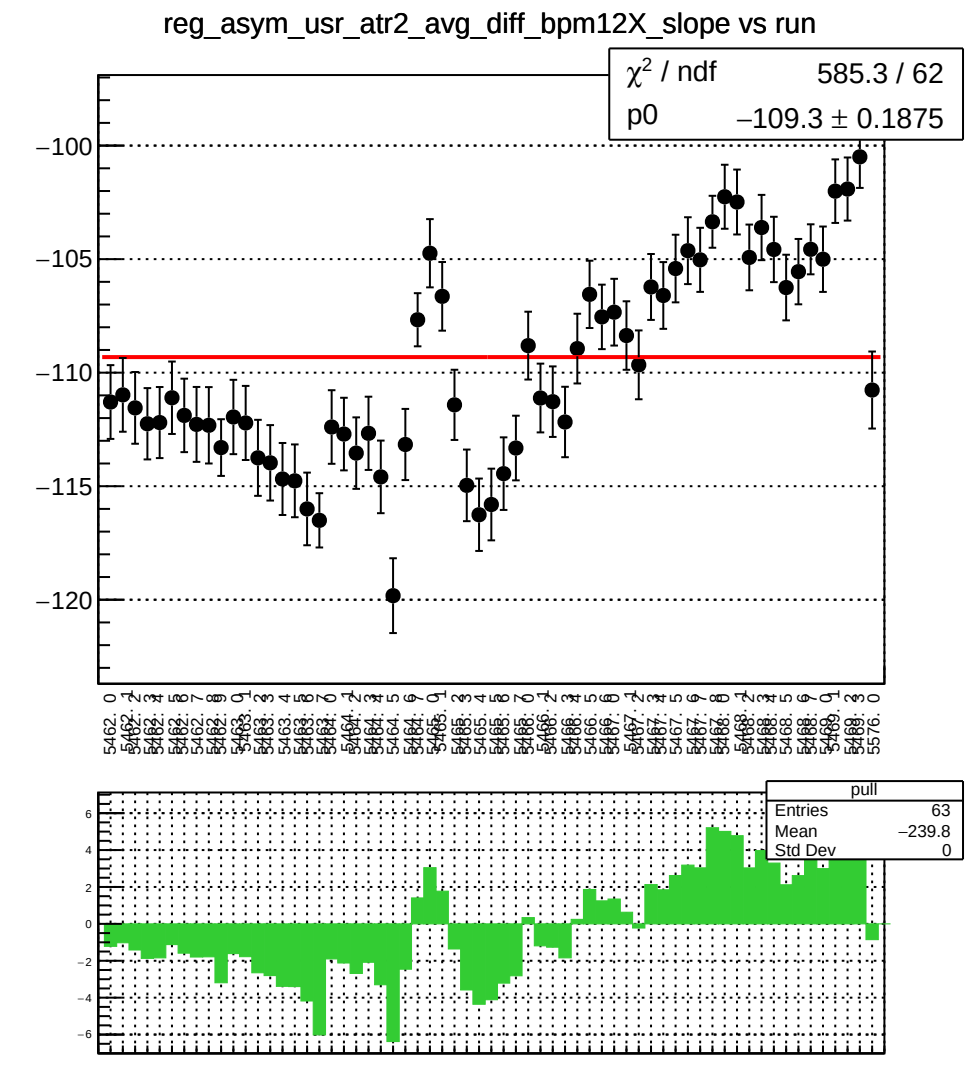

pull1D
Entries 63
Mean 0.008837
Std Dev 0.3682

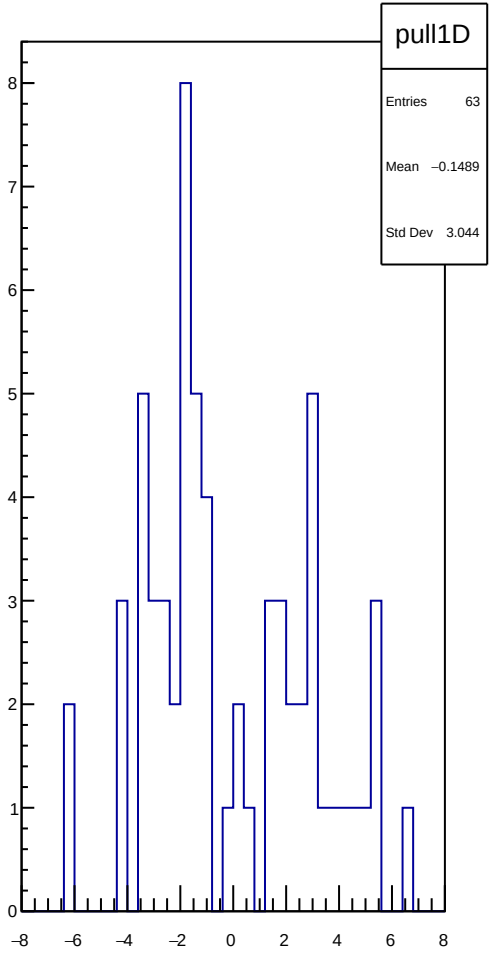

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.42 / 62
p0 59.18 ± 5.953
pull
Entries 63
Mean −8.179
Std Dev 0
pull1D
Entries 63
Mean 0.0596
Std Dev 0.4401

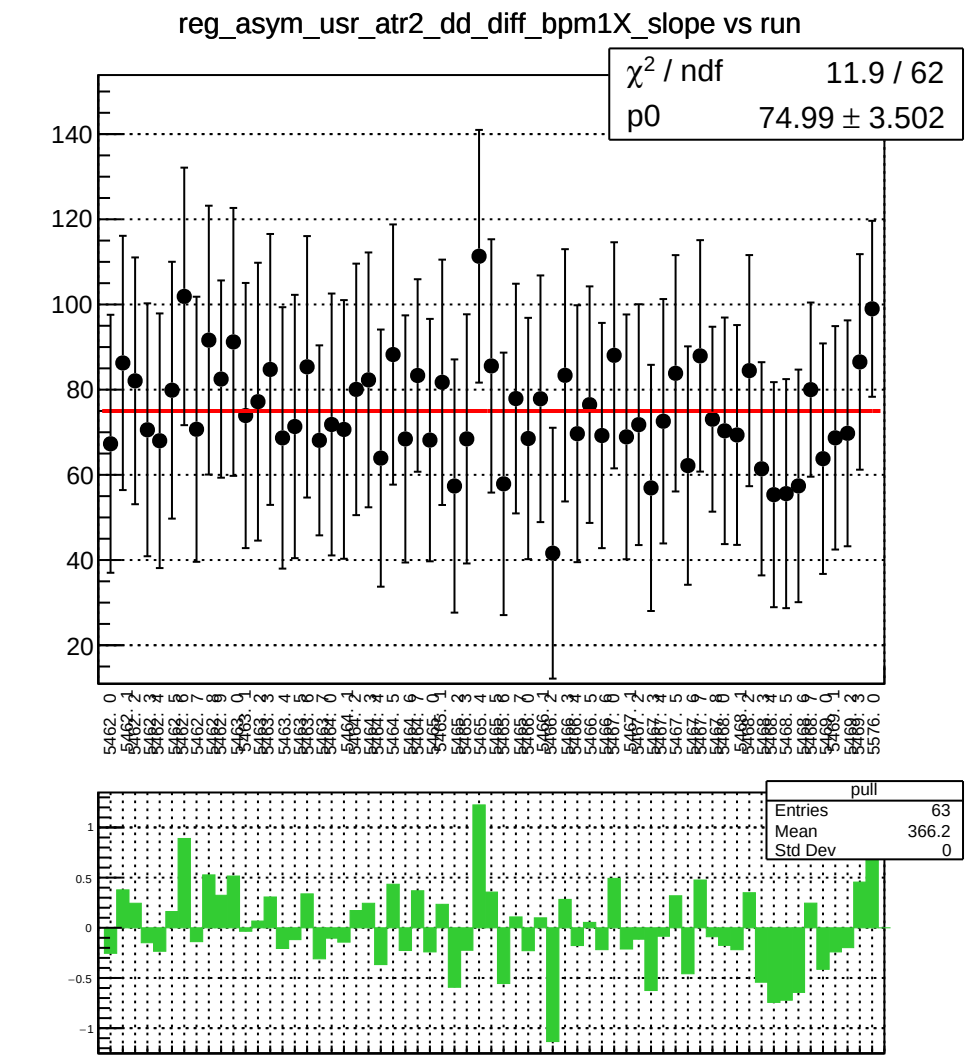

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.475 / 62
p0 203.2 ± 4.481
pull
Entries 63
Mean 278.9
Std Dev 0
pull1D
Entries 63
Mean −0.005724
Std Dev 0.3667

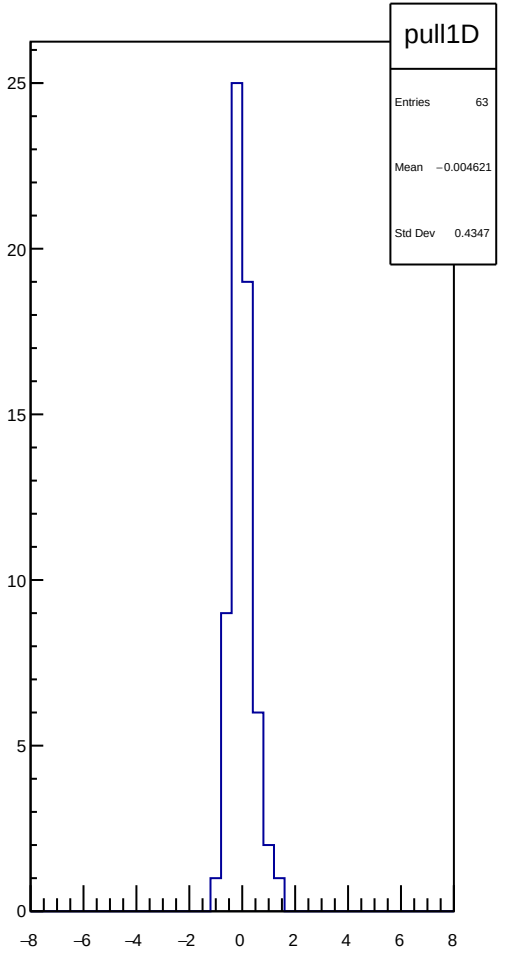

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.07 / 62
p0 −13.09 ± 7.1
pull
Entries 63
Mean −3.223
Std Dev 0

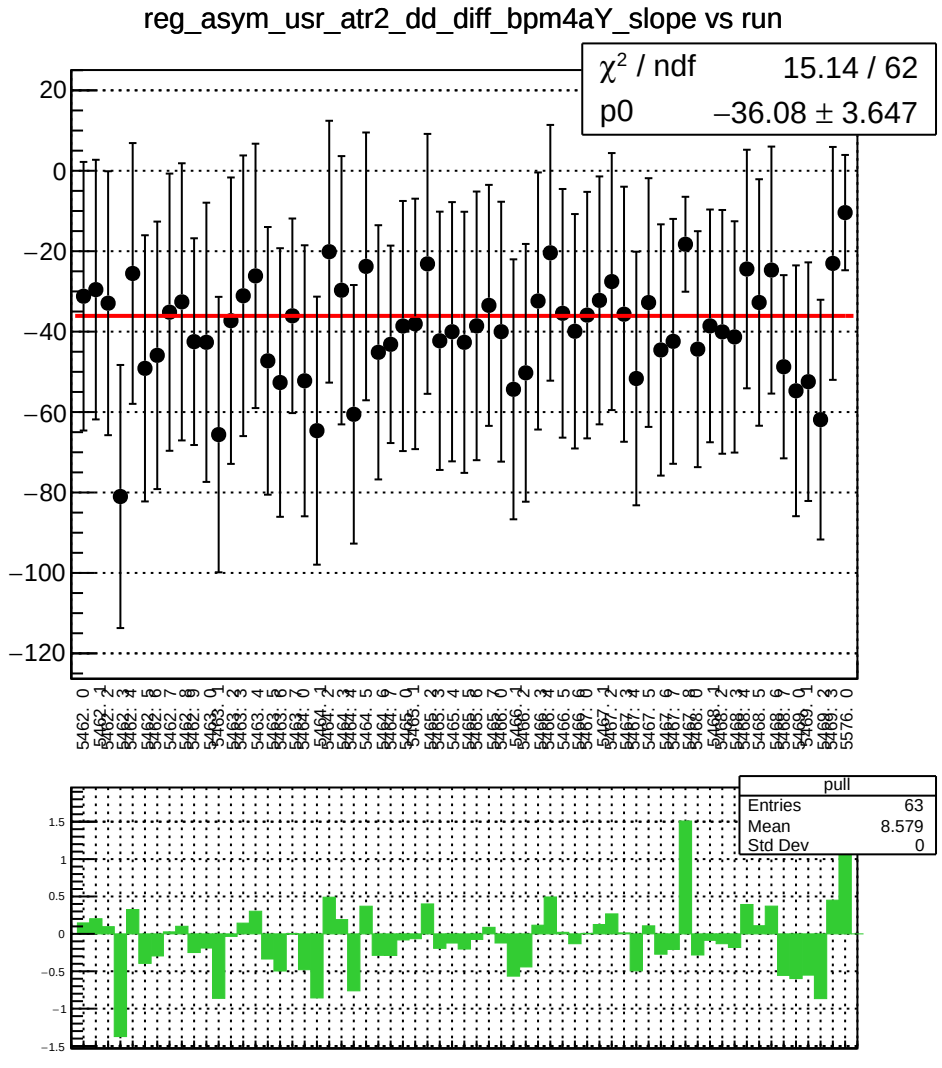

pull1D
Entries 63
Mean −0.04174
Std Dev 0.4171

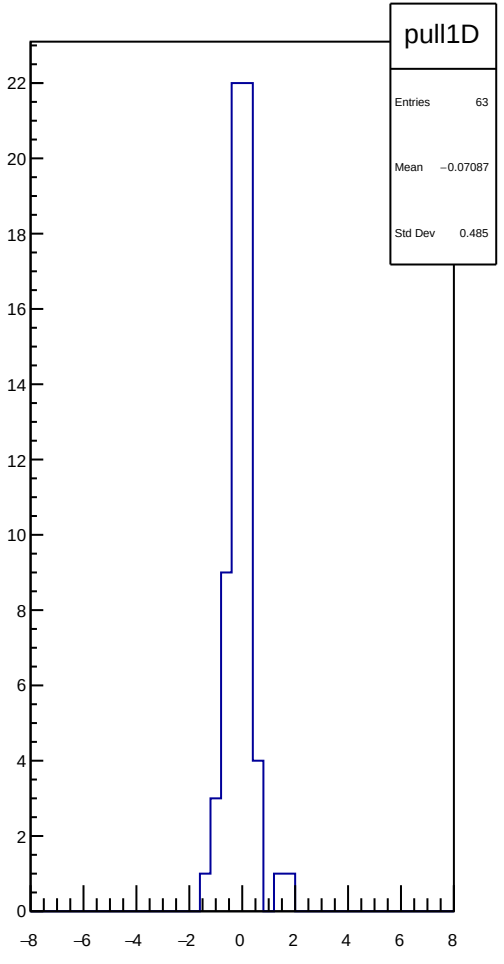

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 585.3 / 62
p0 −109.3 ± 0.1875
pull
Entries 63
Mean −239.8
Std Dev 0

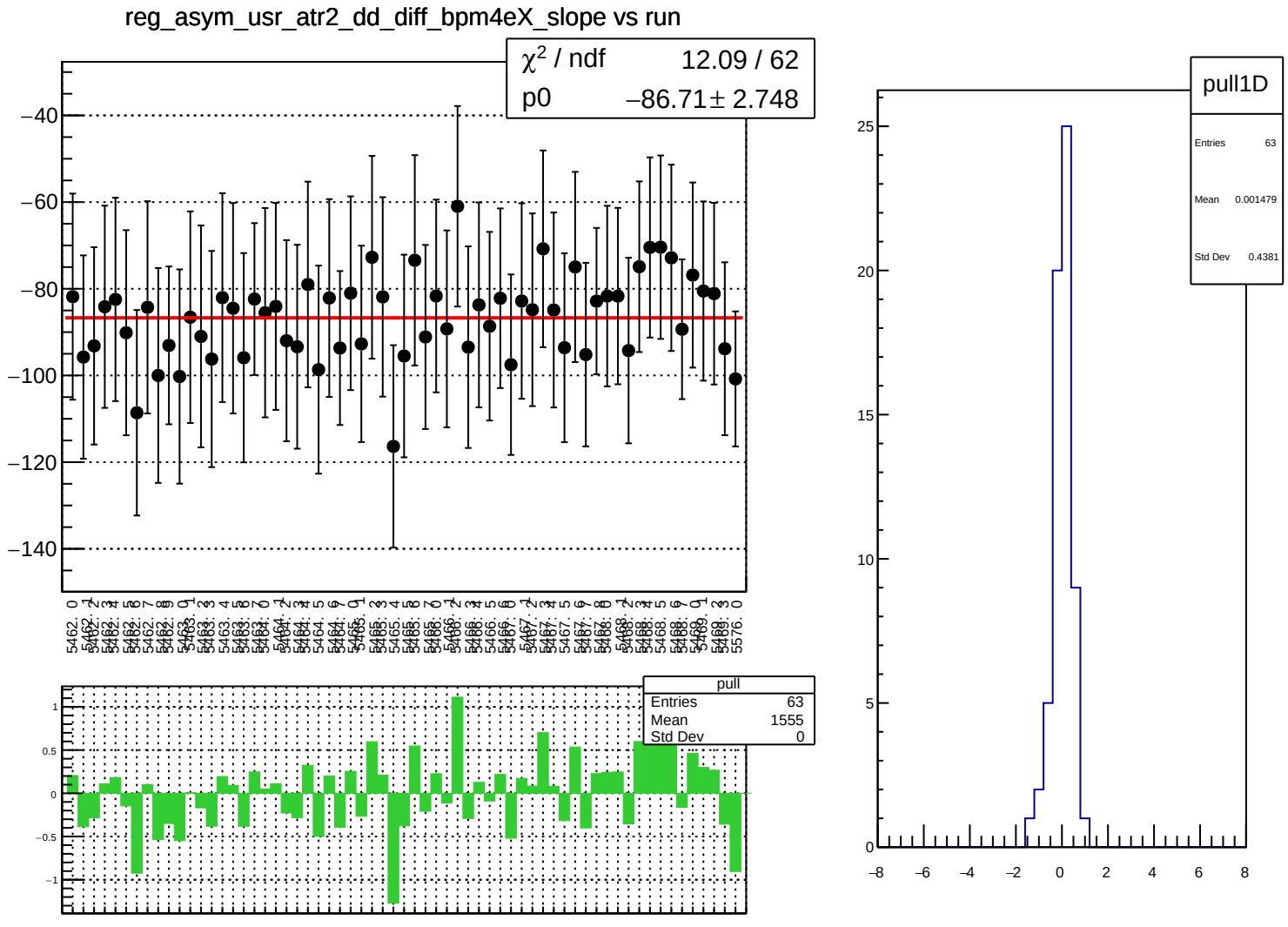

pull1D
Entries 63
Mean −0.1489
Std Dev 3.044

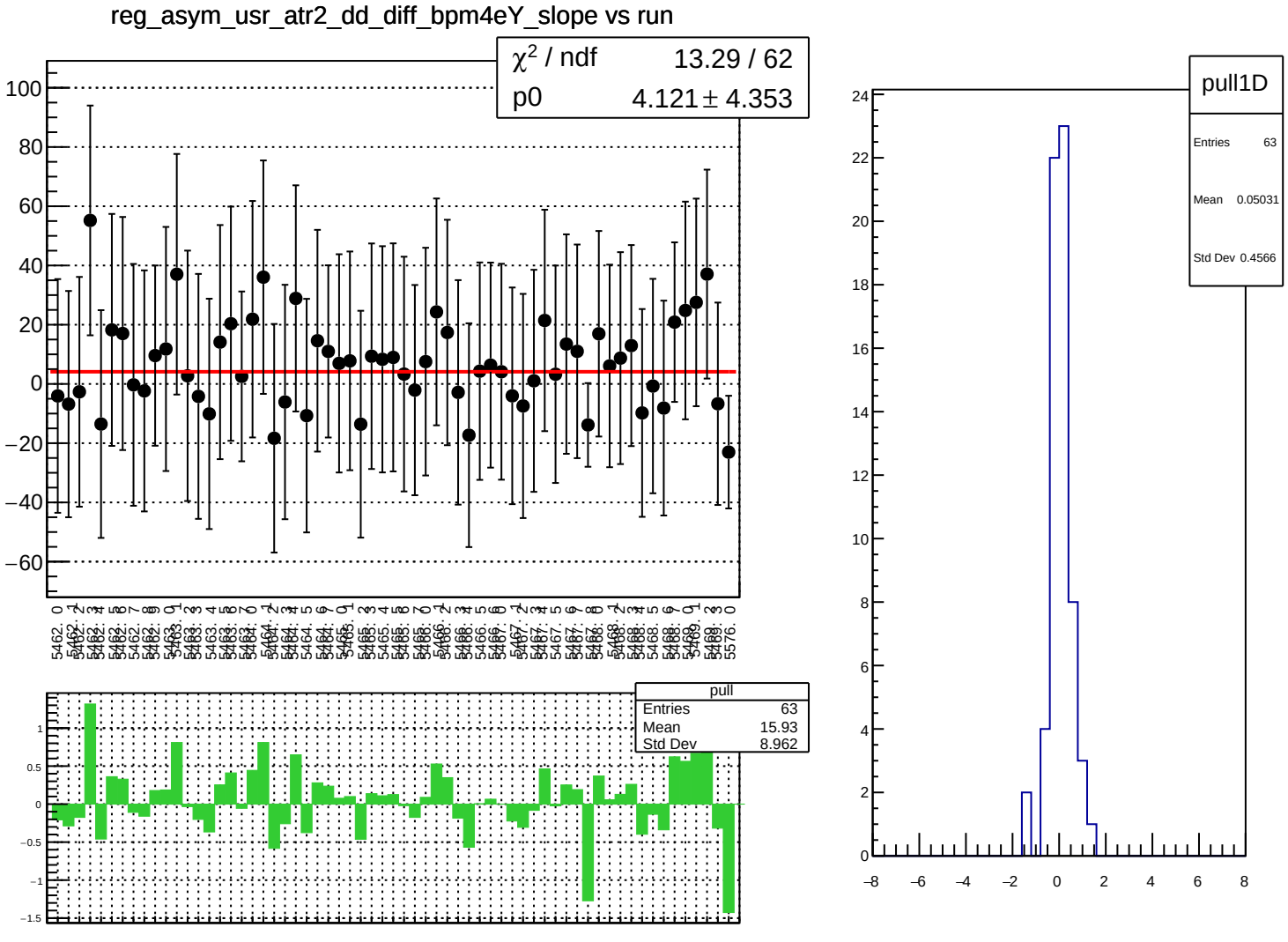

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 11.9 / 62
p0 74.99 ± 3.502
pull
Entries 63
Mean 366.2
Std Dev 0

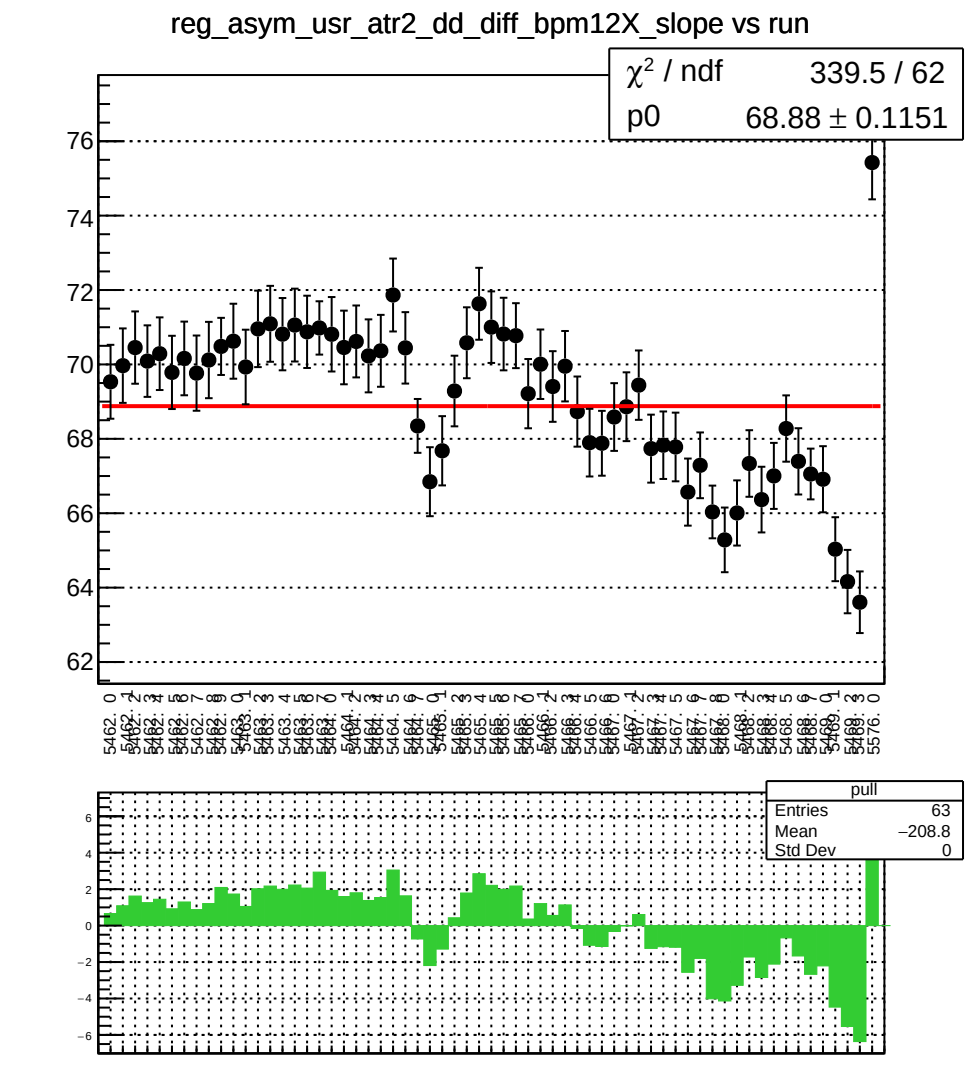

pull1D
Entries 63
Mean −0.004621
Std Dev 0.4347

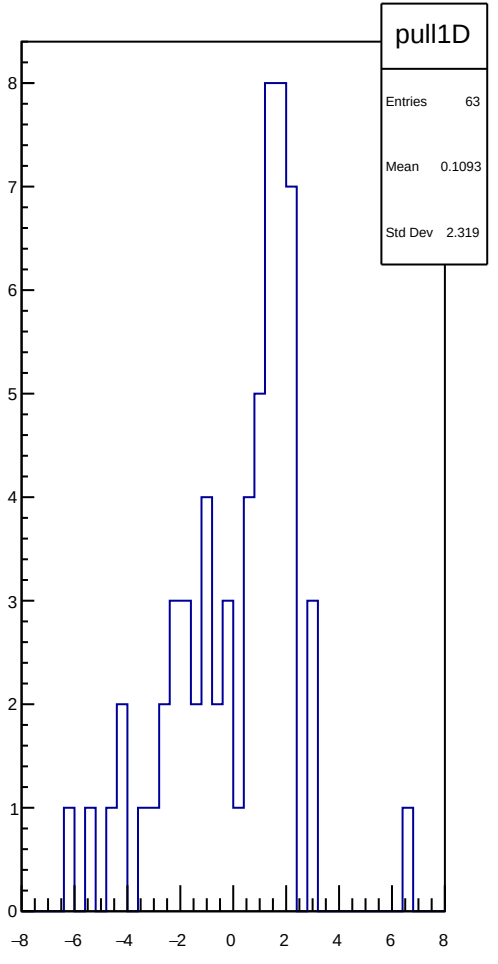

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.14 / 62
p0 −36.08 ± 3.647
pull
Entries 63
Mean 8.579
Std Dev 0

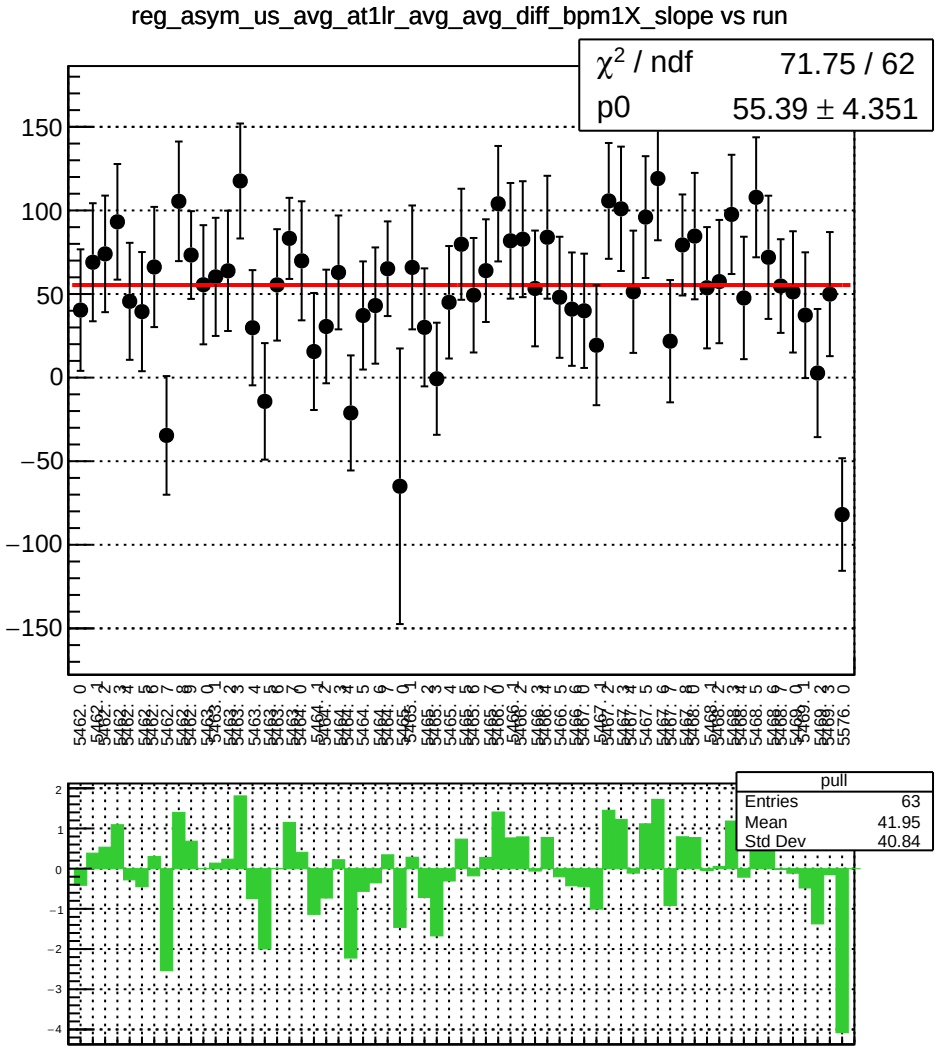

pull1D
Entries 63
Mean −0.07087
Std Dev 0.485

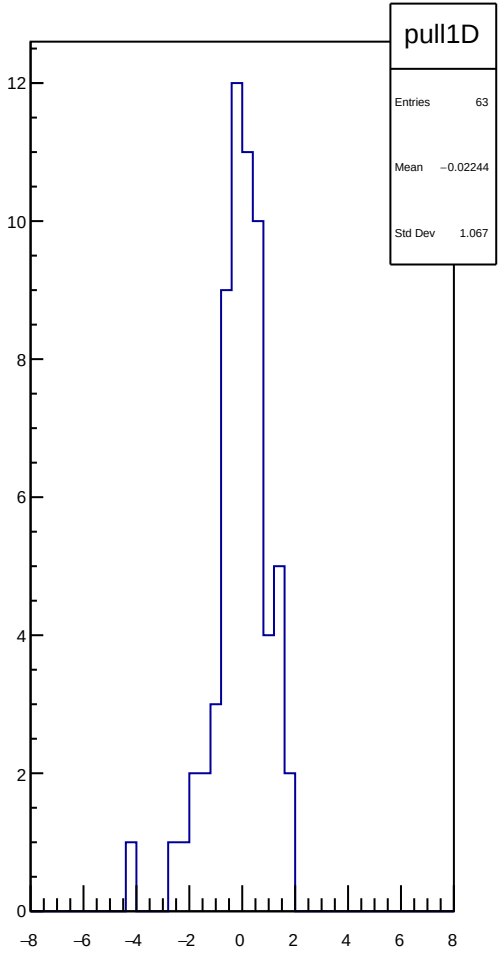

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.09 / 62
p0 −86.71± 2.748
pull
Entries 63
Mean 1555
Std Dev 0
pull1D
Entries 63
Mean 0.001479
Std Dev 0.4381

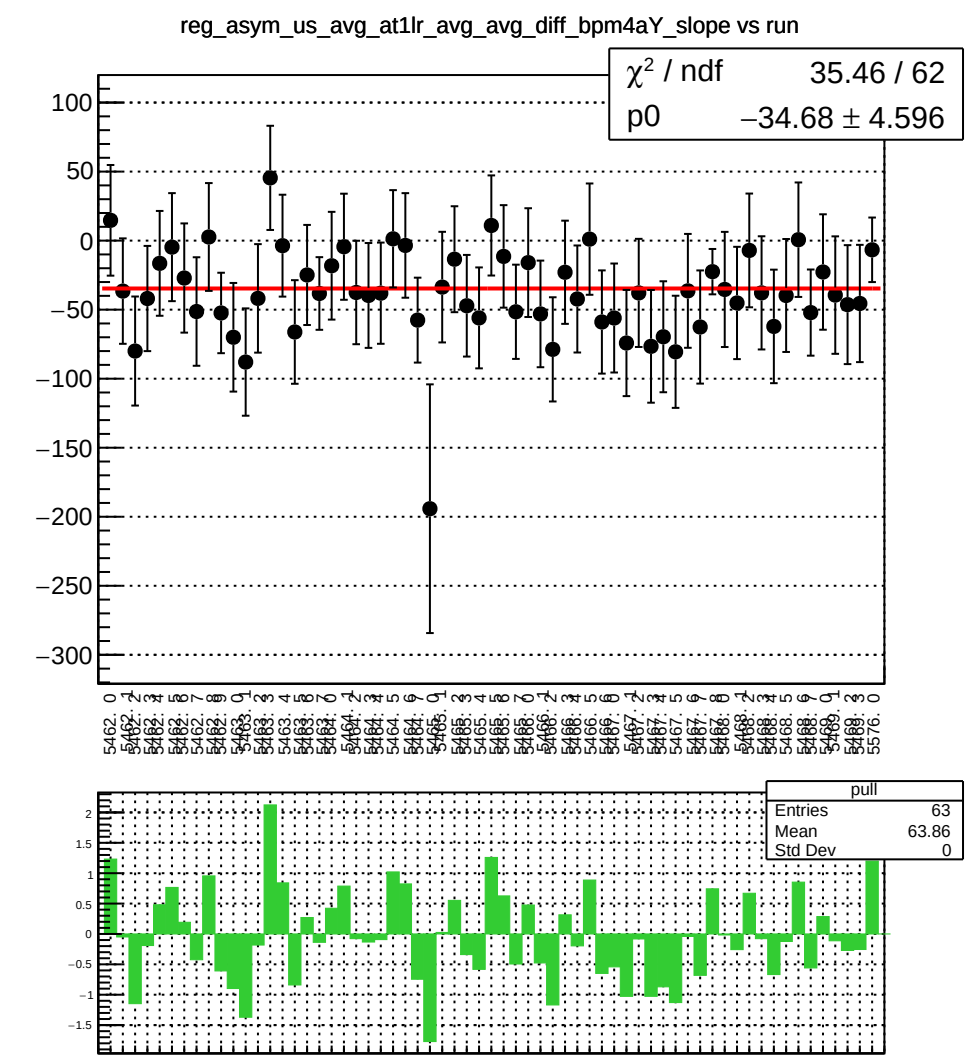

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.29 / 62
p0 4.121 ± 4.353
pull
Entries 63
Mean 15.93
Std Dev 8.962
pull1D
Entries 63
Mean 0.05031
Std Dev 0.4566

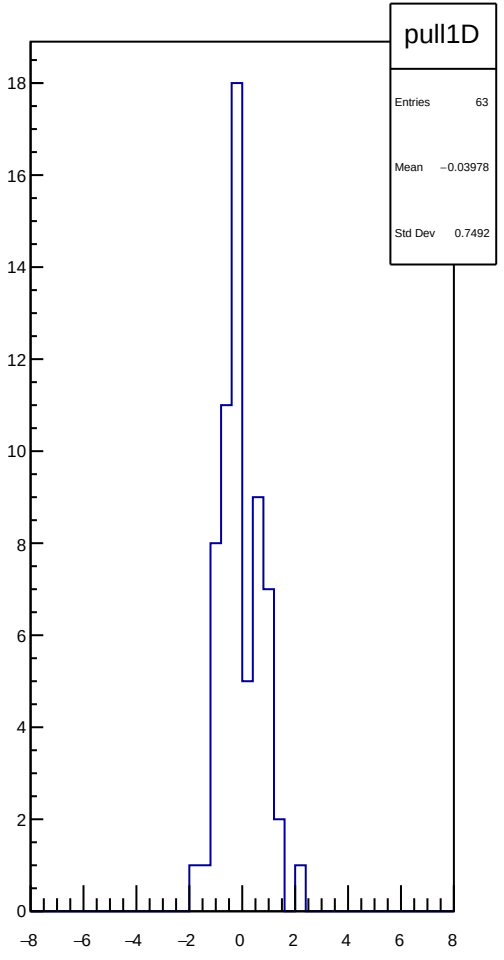

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 339.5 / 62
p0 68.88 ± 0.1151
pull
Entries 63
Mean −208.8
Std Dev 0

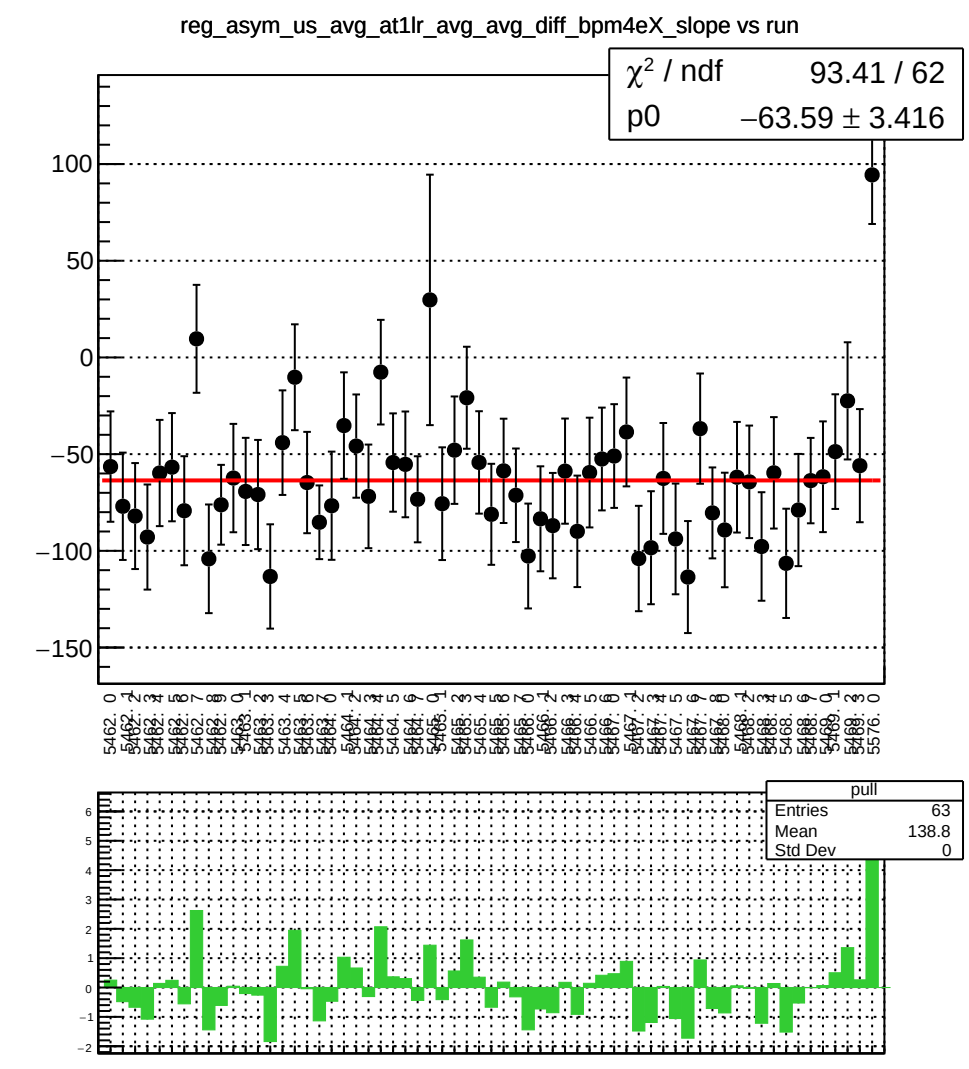

pull1D
Entries 63
Mean 0.1093
Std Dev 2.319

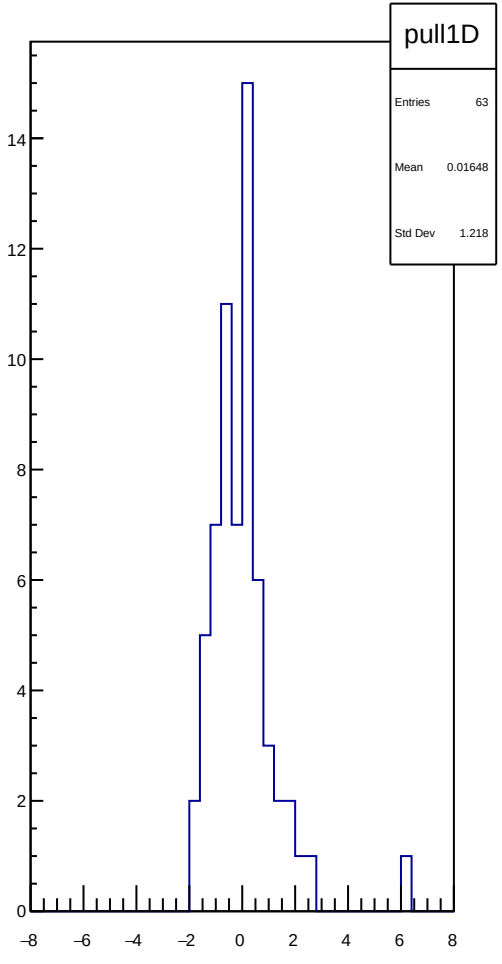

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 71.75 / 62
p0 55.39 ± 4.351
pull
Entries 63
Mean 41.95
Std Dev 40.84

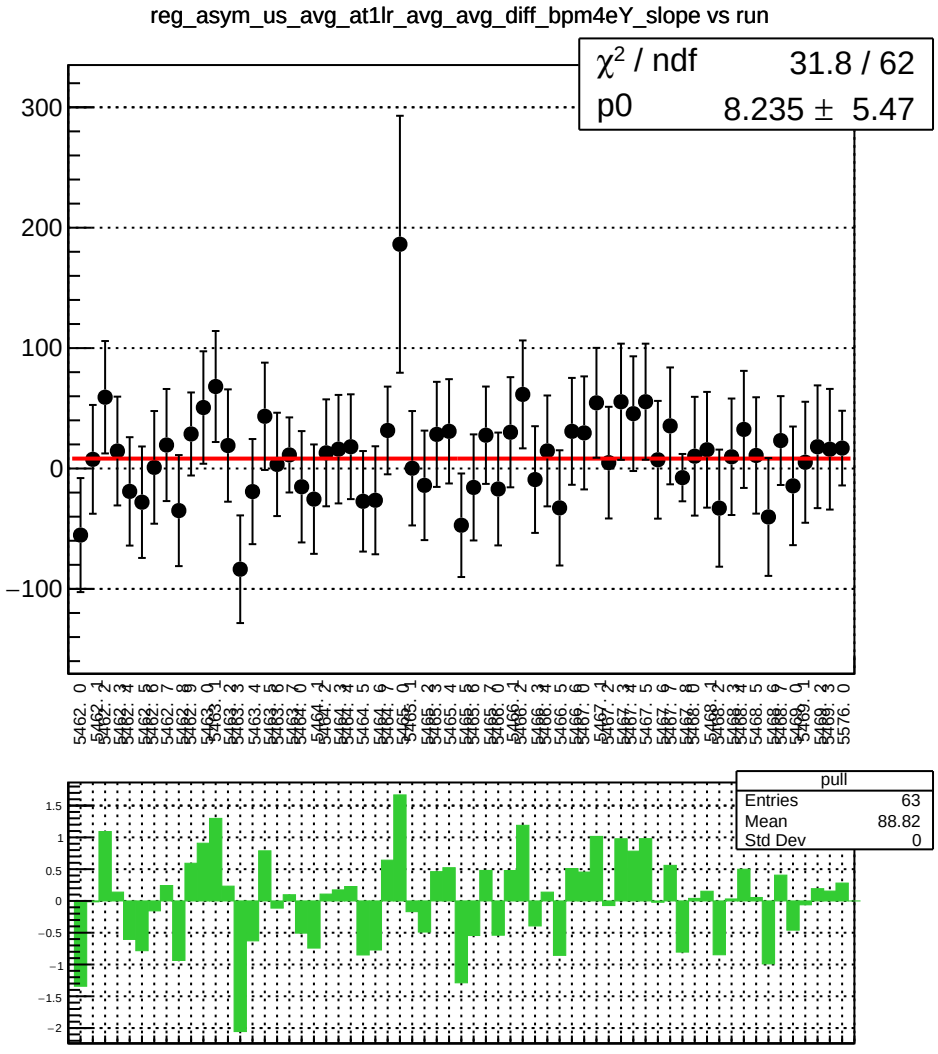

pull1D
Entries 63
Mean −0.02244
Std Dev 1.067

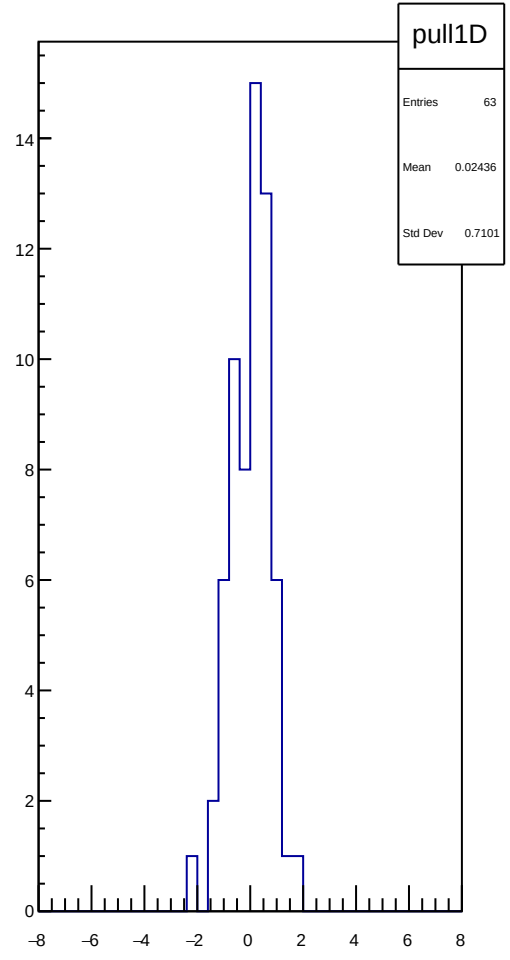

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.46 / 62
p0 −34.68 ± 4.596
pull
Entries 63
Mean 63.86
Std Dev 0

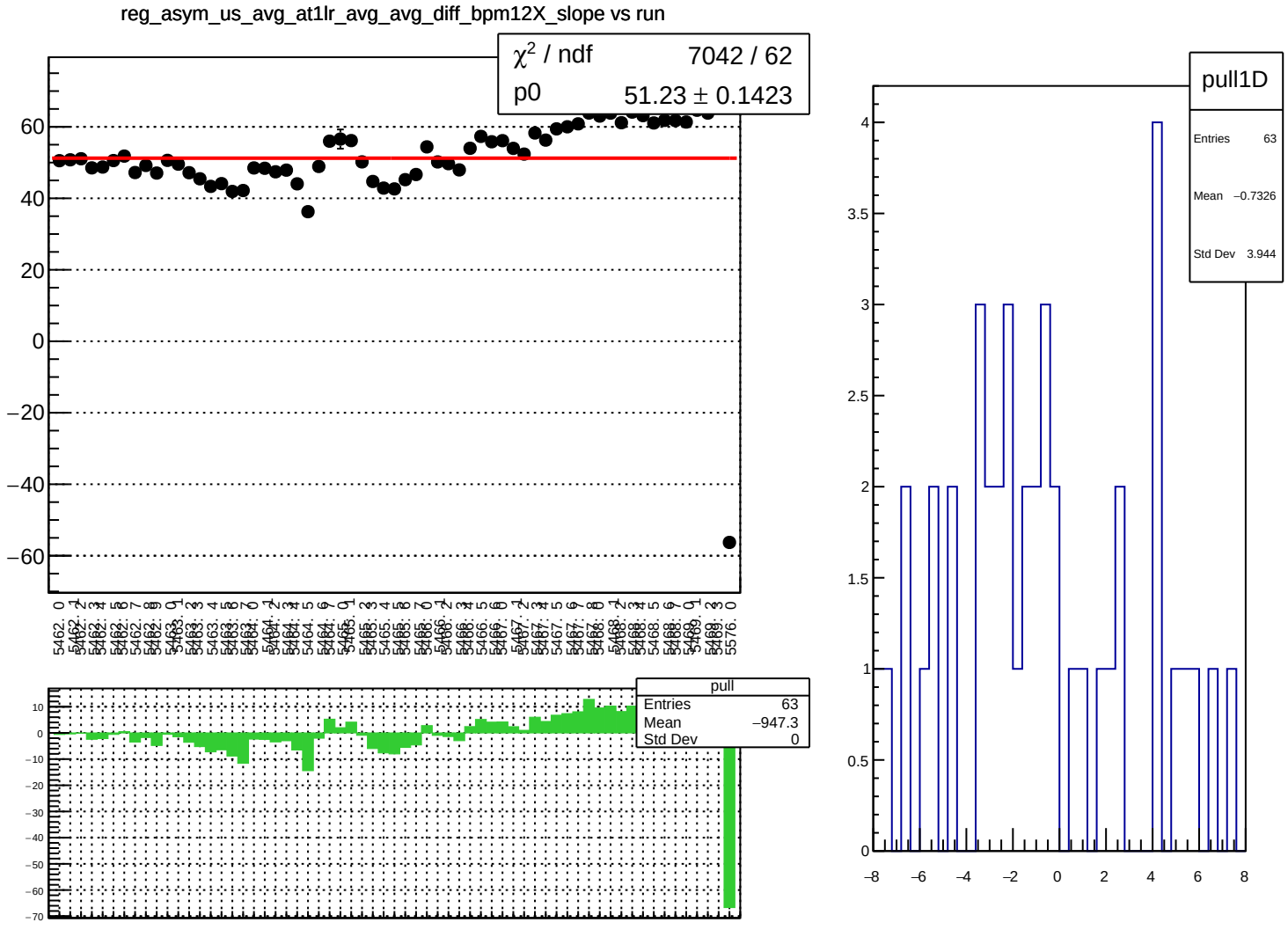

pull1D
Entries 63
Mean −0.03978
Std Dev 0.7492

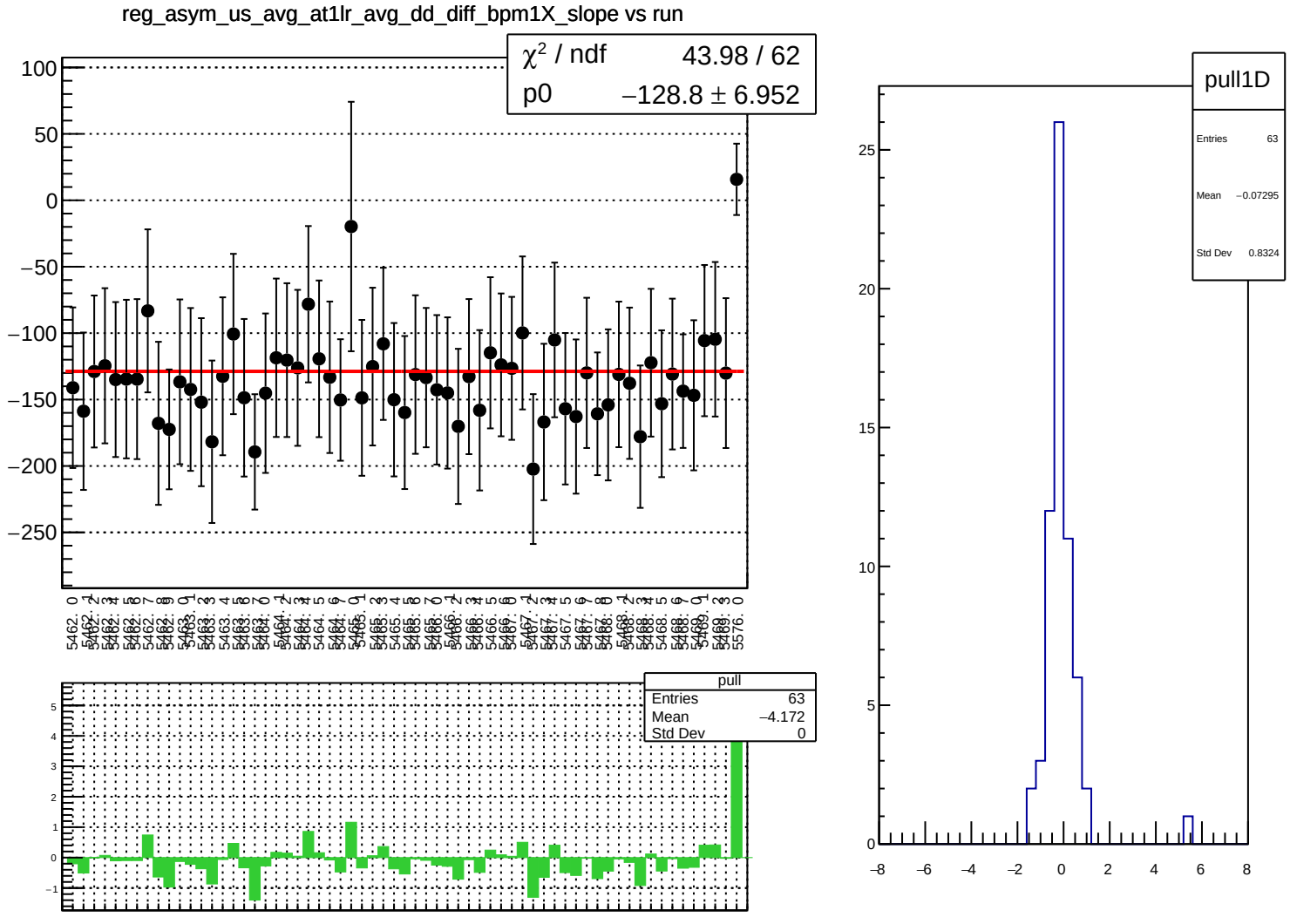

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 93.41 / 62
p0 −63.59 ± 3.416
pull
Entries 63
Mean 138.8
Std Dev 0

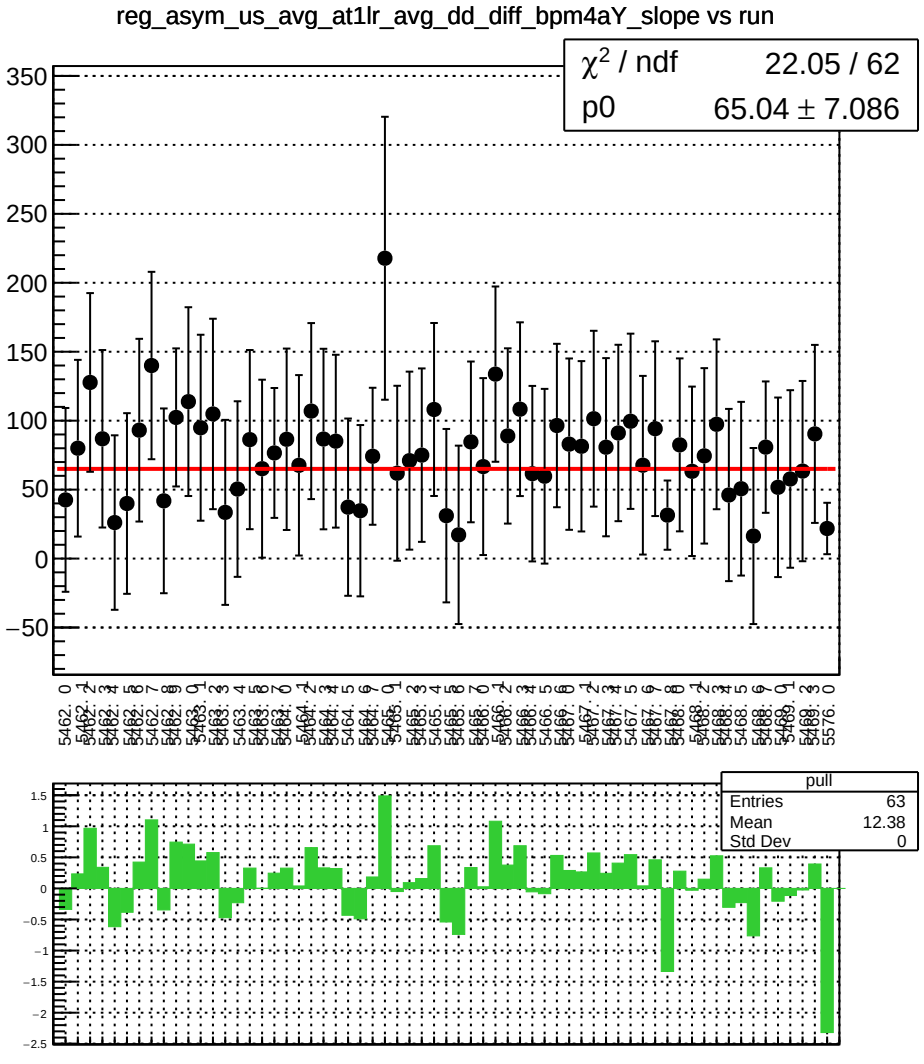

pull1D
Entries 63
Mean 0.01648
Std Dev 1.218

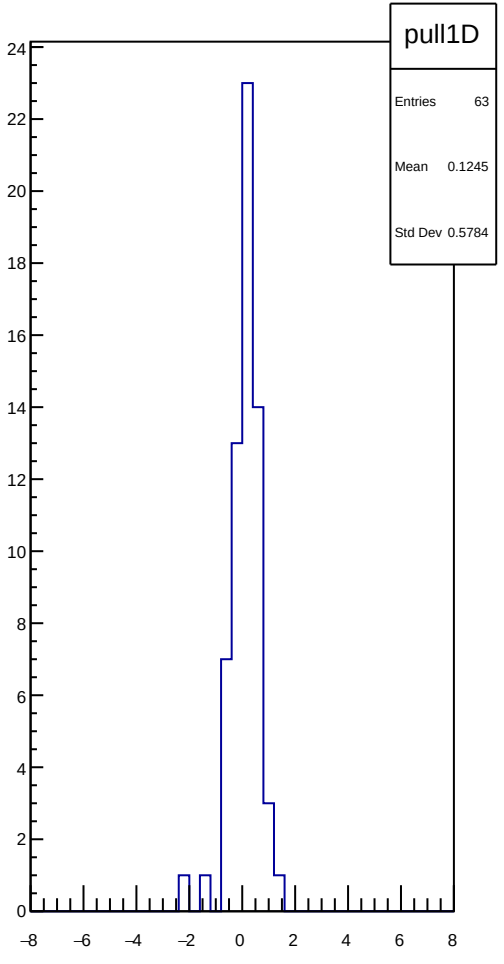

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.8 / 62
p0 8.235 ± 5.47
pull
Entries 63
Mean 88.82
Std Dev 0

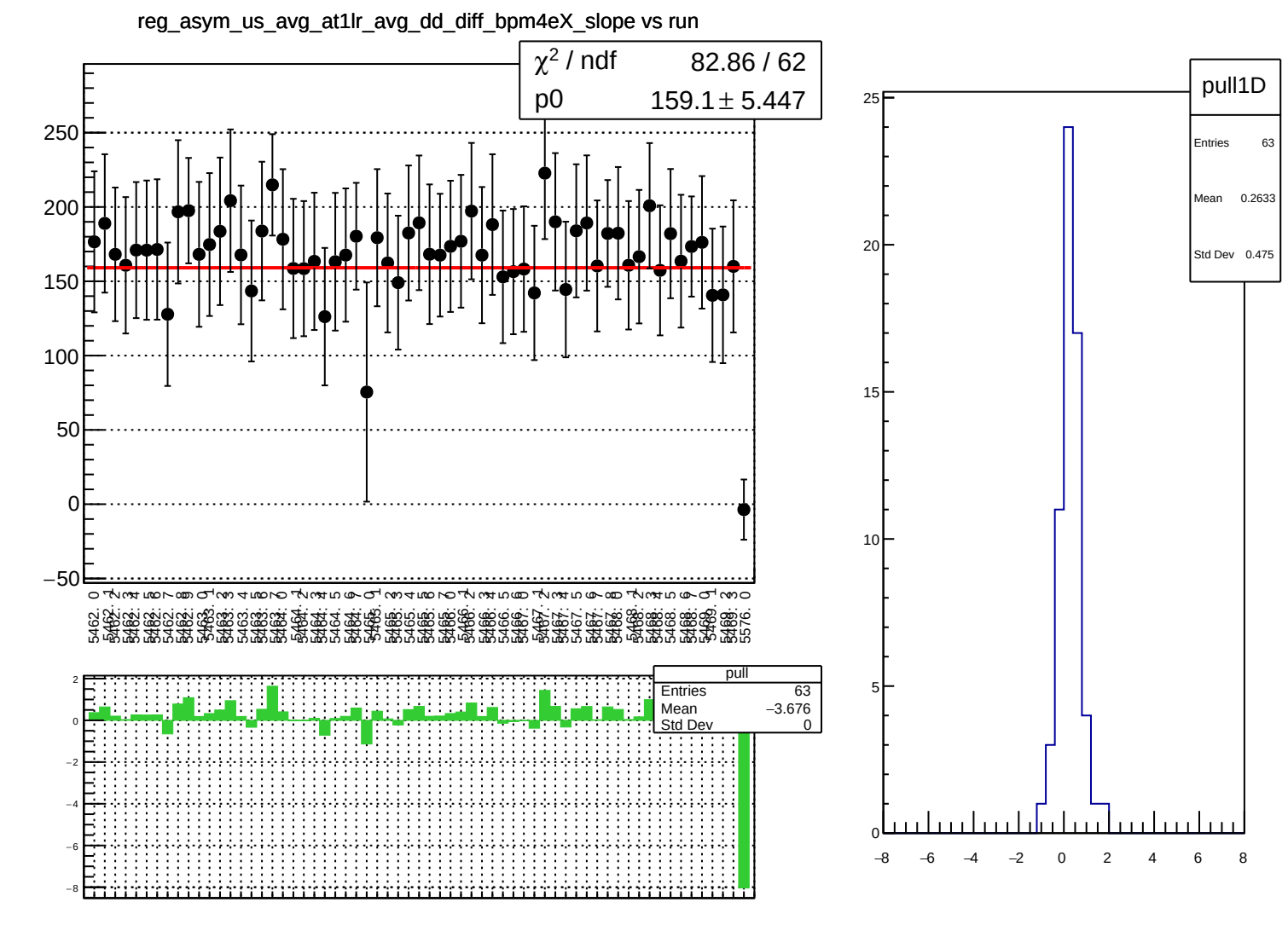

pull1D
Entries 63
Mean 0.02436
Std Dev 0.7101

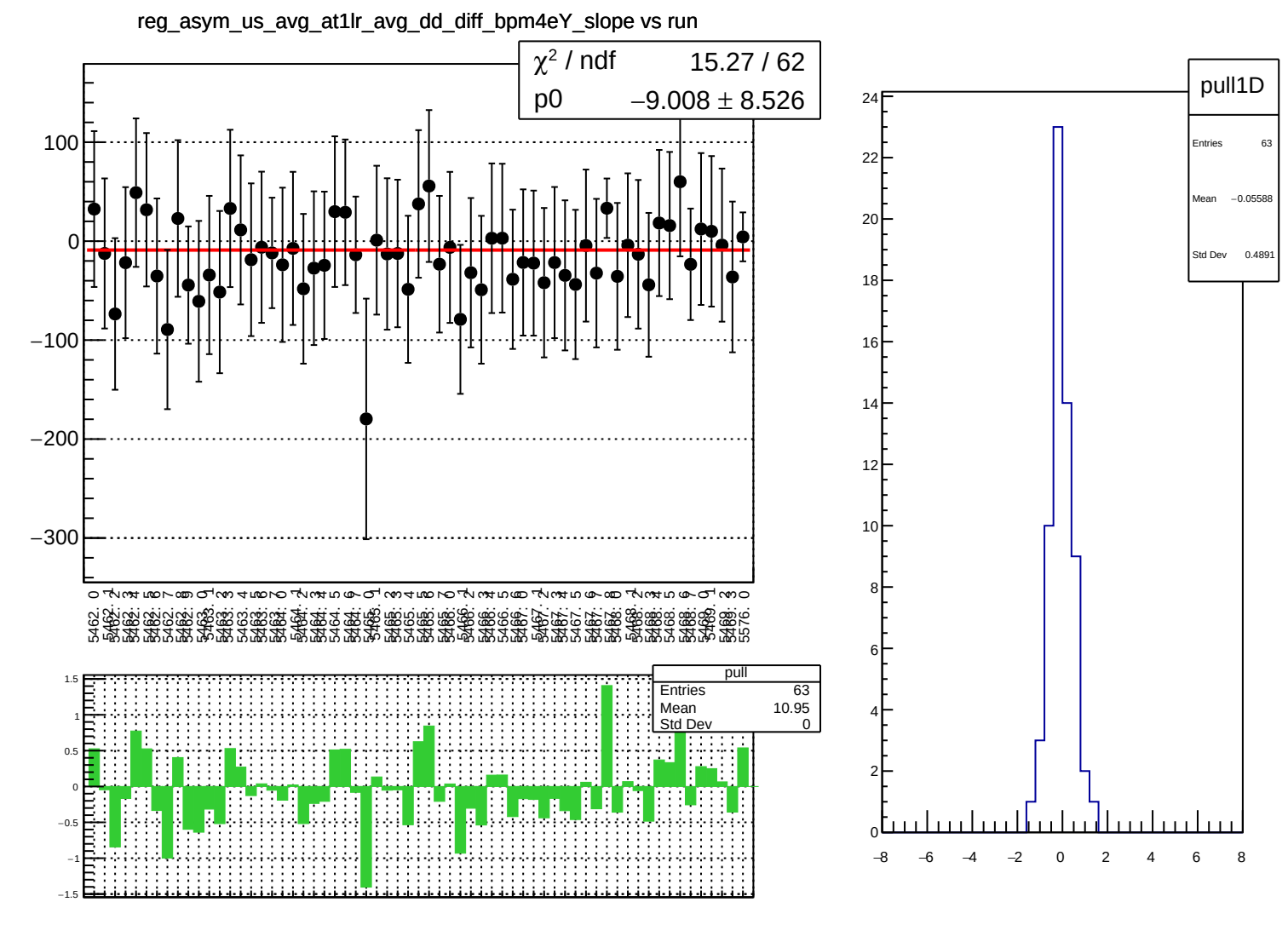

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 7042 / 62
p0 51.23 ± 0.1423
pull
Entries 63
Mean −947.3
Std Dev 0
pull1D
Entries 63
Mean −0.7326
Std Dev 3.944

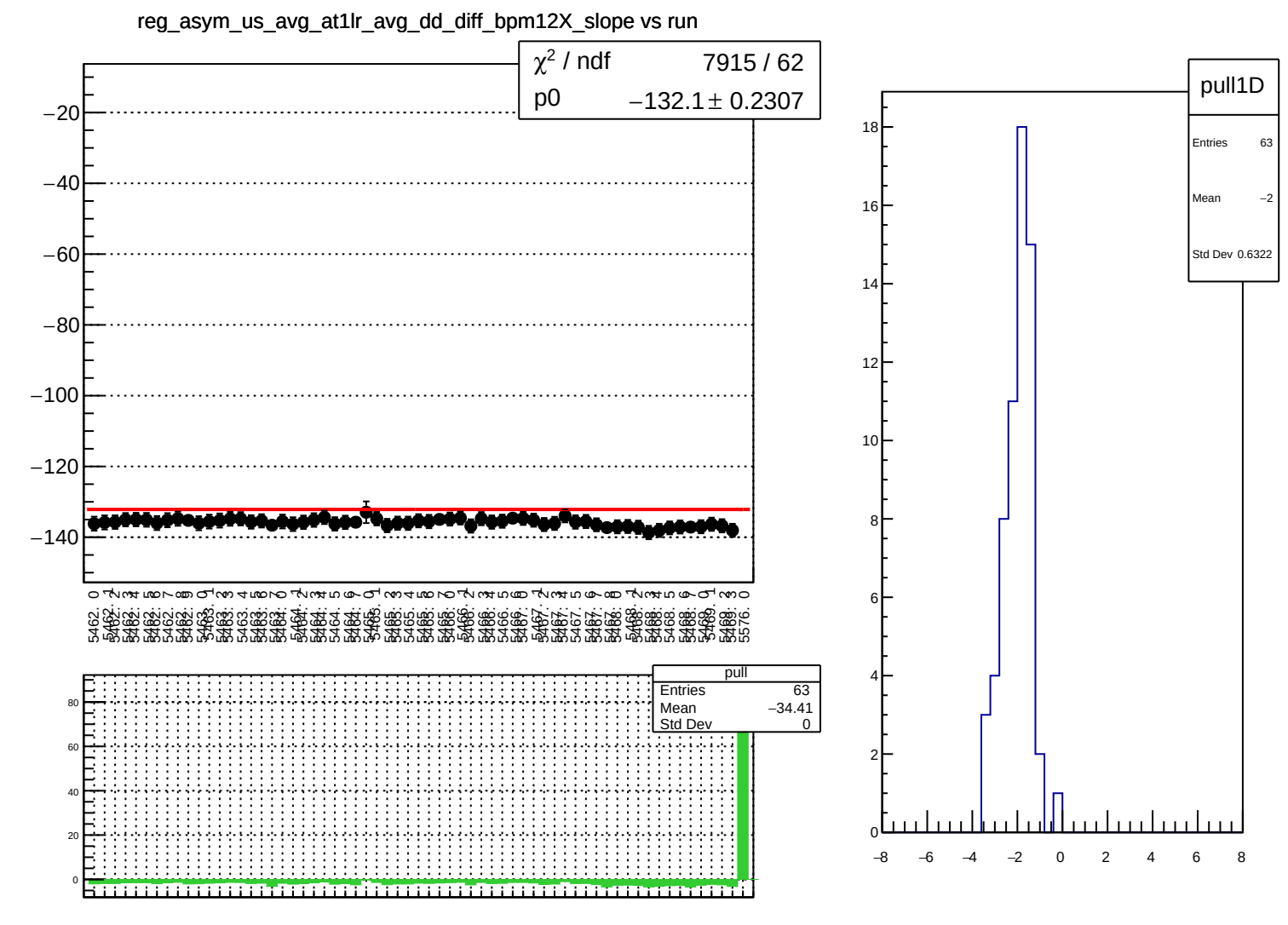

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 43.98 / 62
p0 −128.8 ± 6.952
pull
Entries 63
Mean −4.172
Std Dev 0
pull1D
Entries 63
Mean −0.07295
Std Dev 0.8324

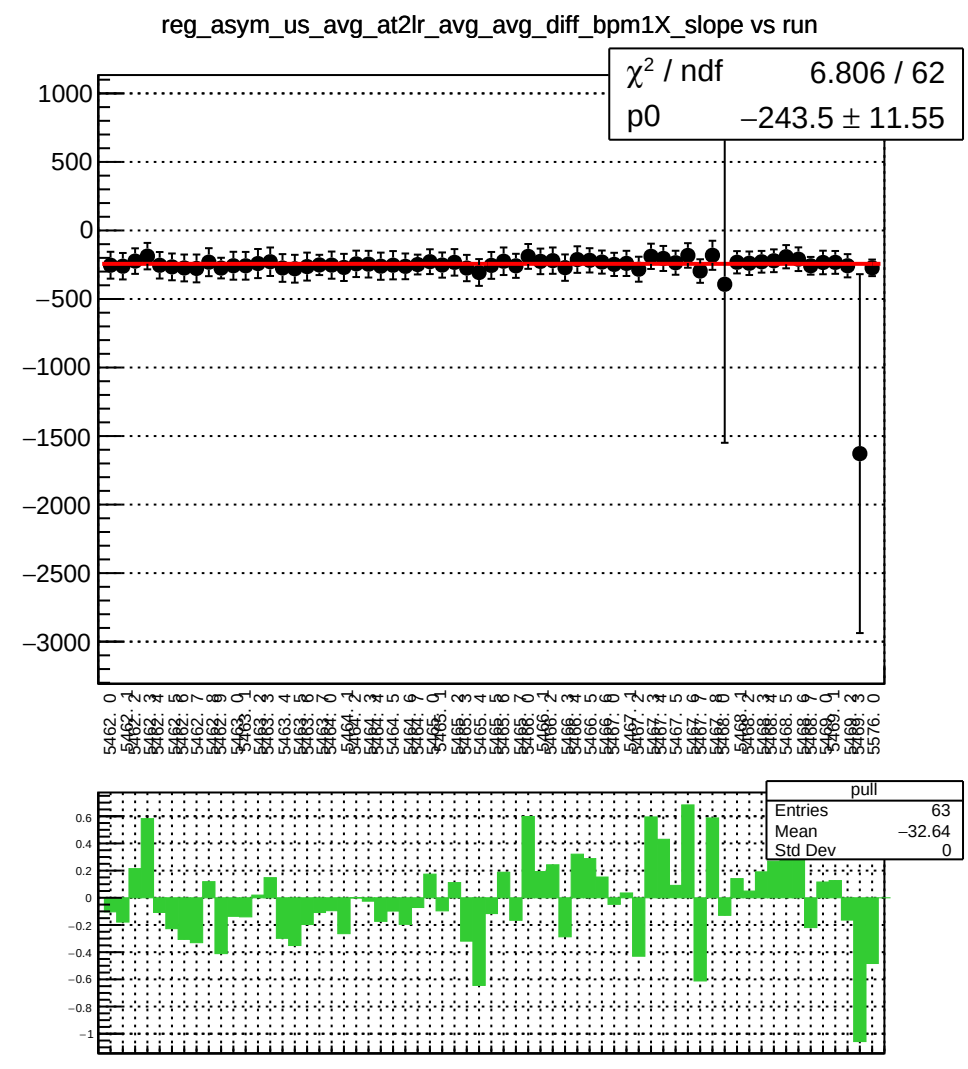

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.05 / 62
p0 65.04 ± 7.086
pull
Entries 63
Mean 12.38
Std Dev 0

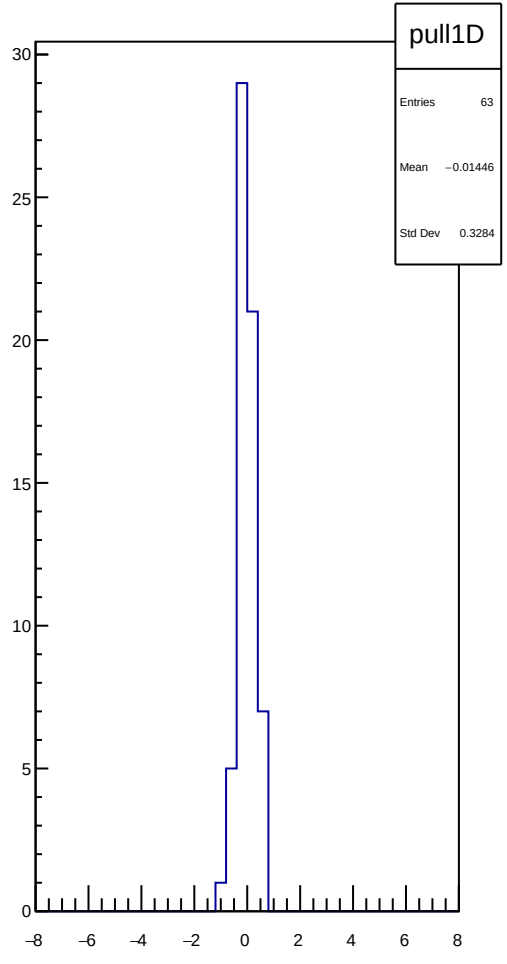

pull1D
Entries 63
Mean 0.1245
Std Dev 0.5784

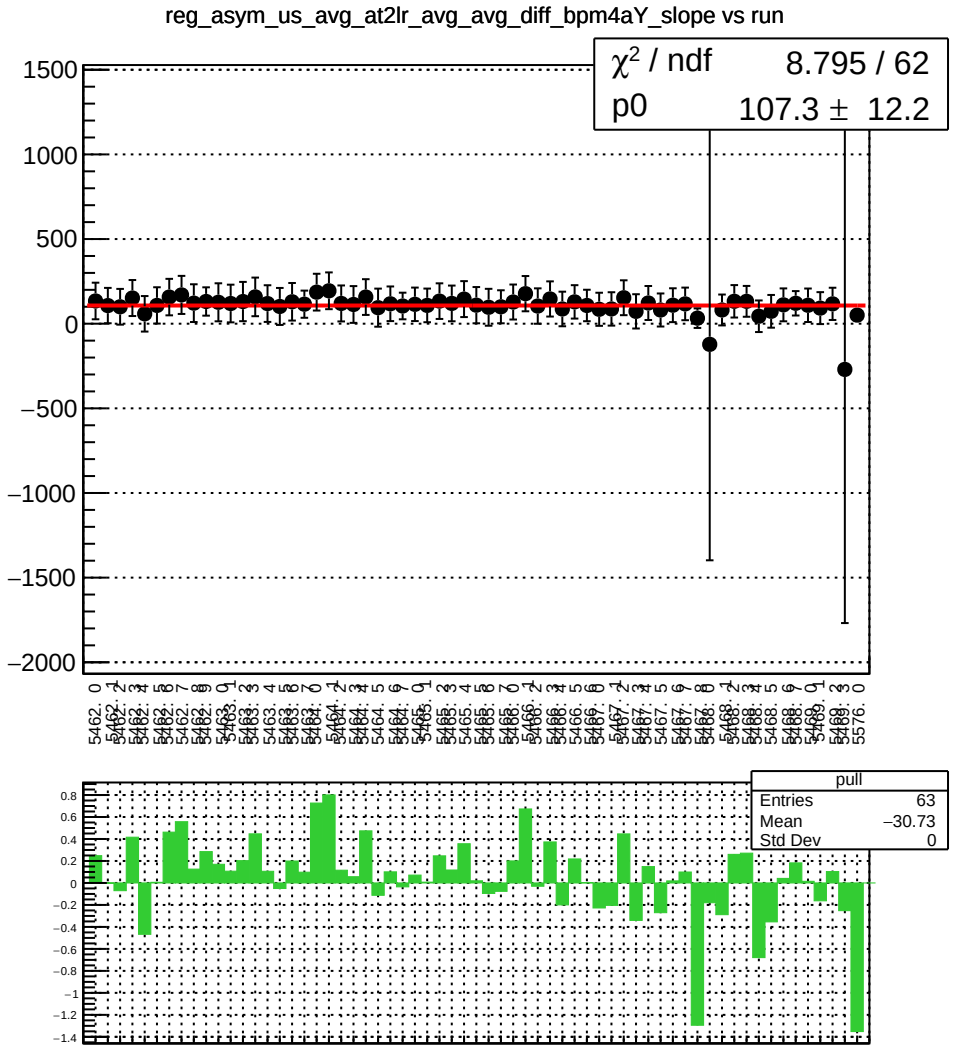

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.86 / 62
p0 159.1 ± 5.447
pull
Entries 63
Mean −3.676
Std Dev 0
pull1D
Entries 63
Mean 0.2633
Std Dev 0.475

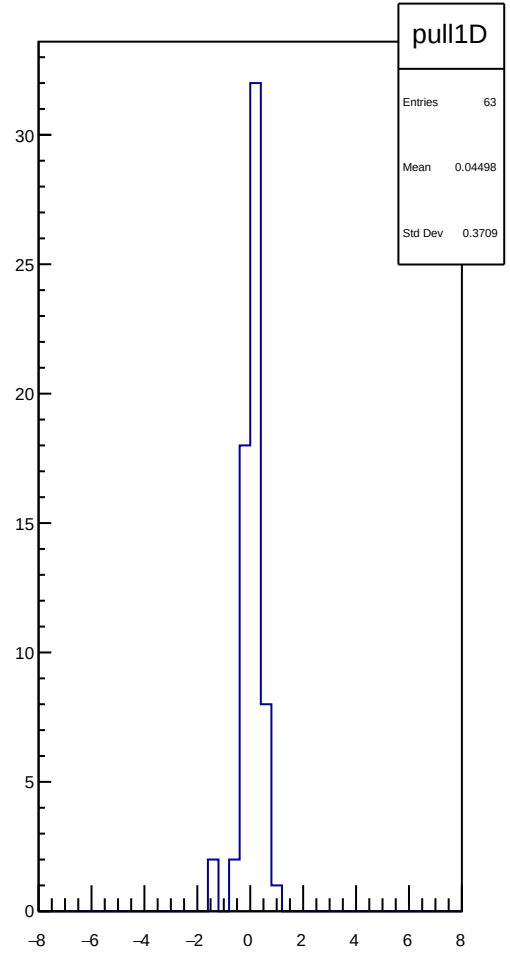

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.27 / 62
p0 −9.008 ± 8.526
pull
Entries 63
Mean 10.95
Std Dev 0
pull1D
Entries 63
Mean −0.05588
Std Dev 0.4891

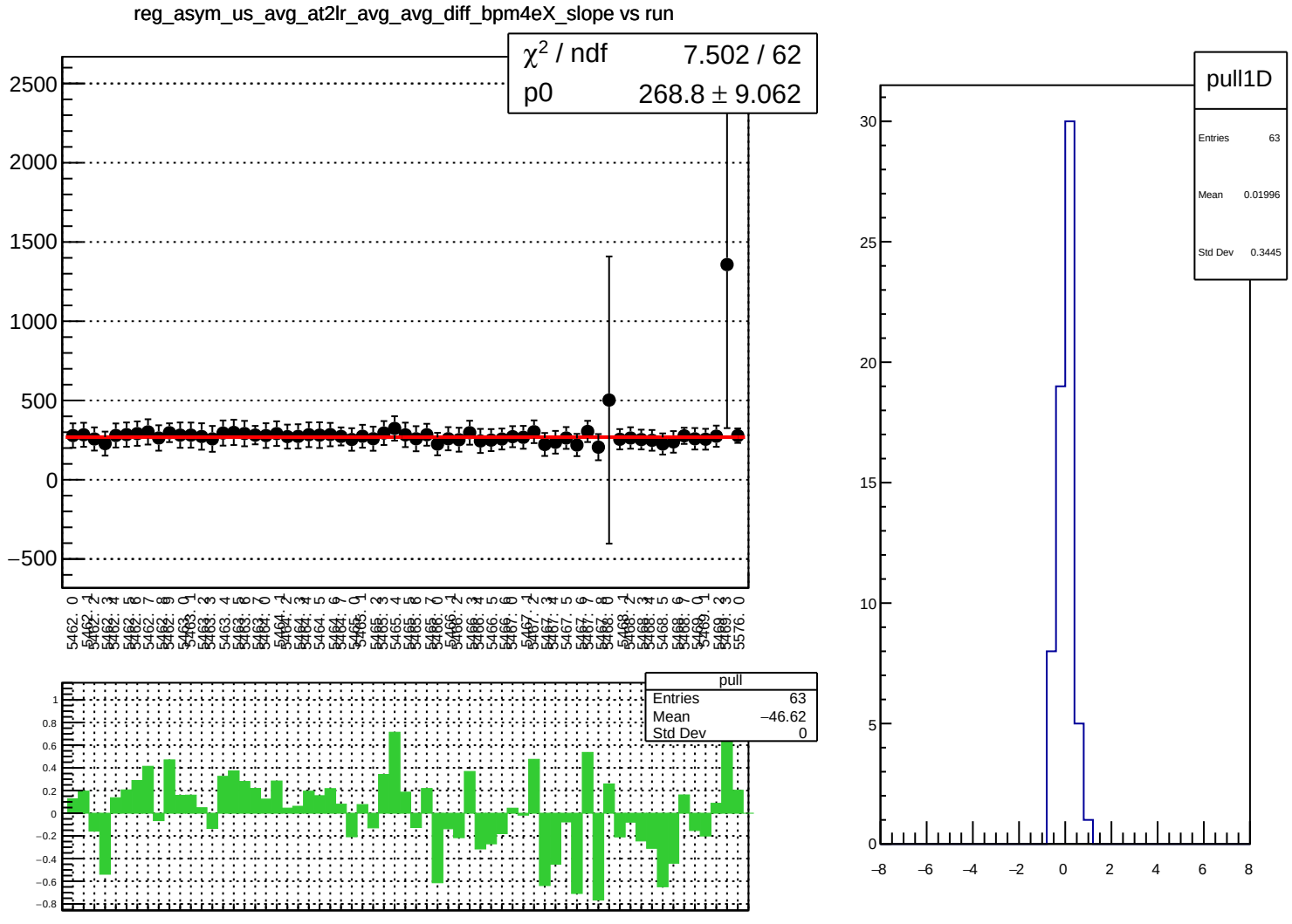

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 7915 / 62
p0 −132.1 ± 0.2307
pull
Entries 63
Mean −34.41
Std Dev 0
pull1D
Entries 63
Mean −2
Std Dev 0.6322

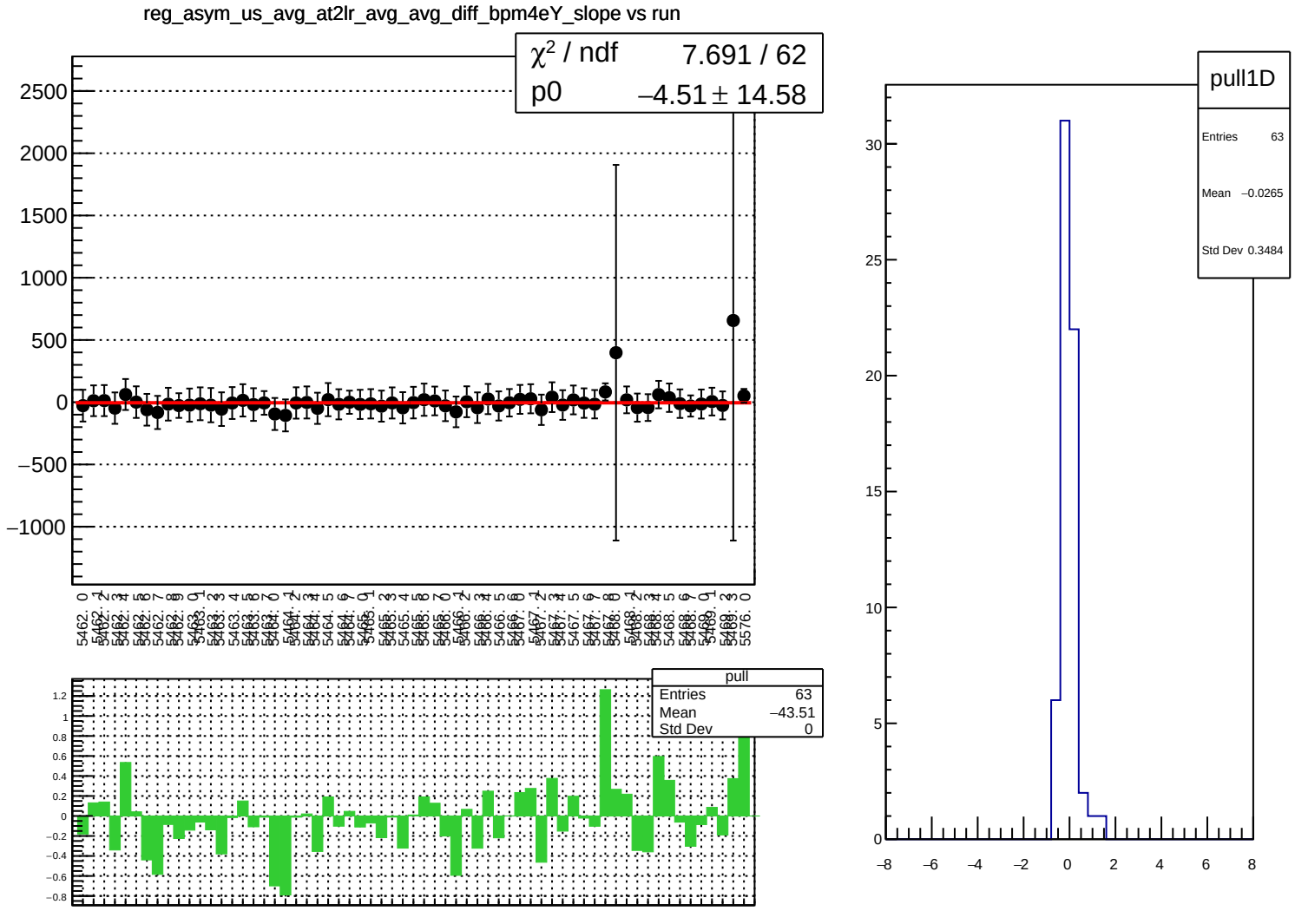

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.806 / 62
p0 −243.5 ± 11.55
pull
Entries 63
Mean −32.64
Std Dev 0

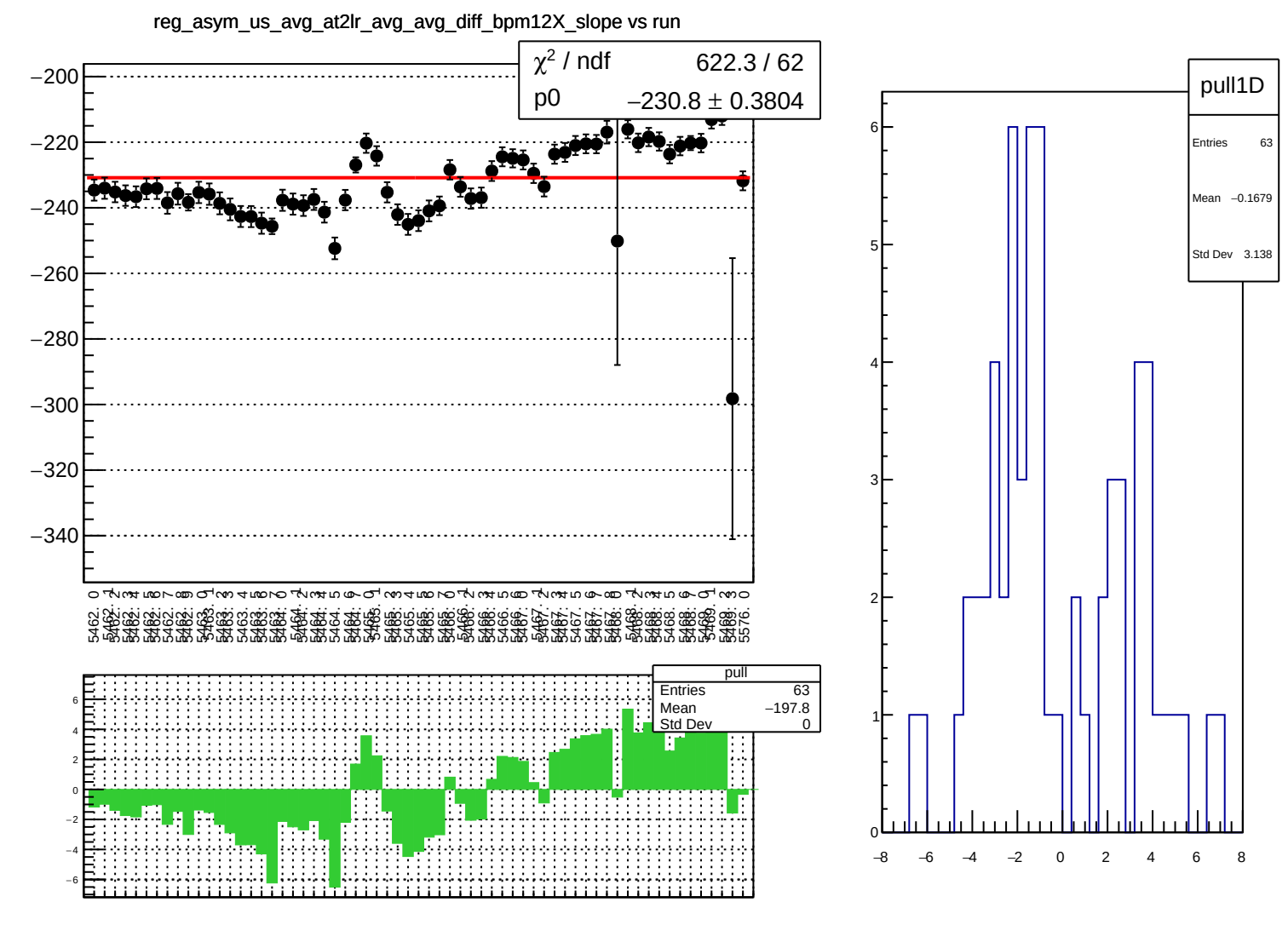

pull1D
Entries 63
Mean −0.01446
Std Dev 0.3284

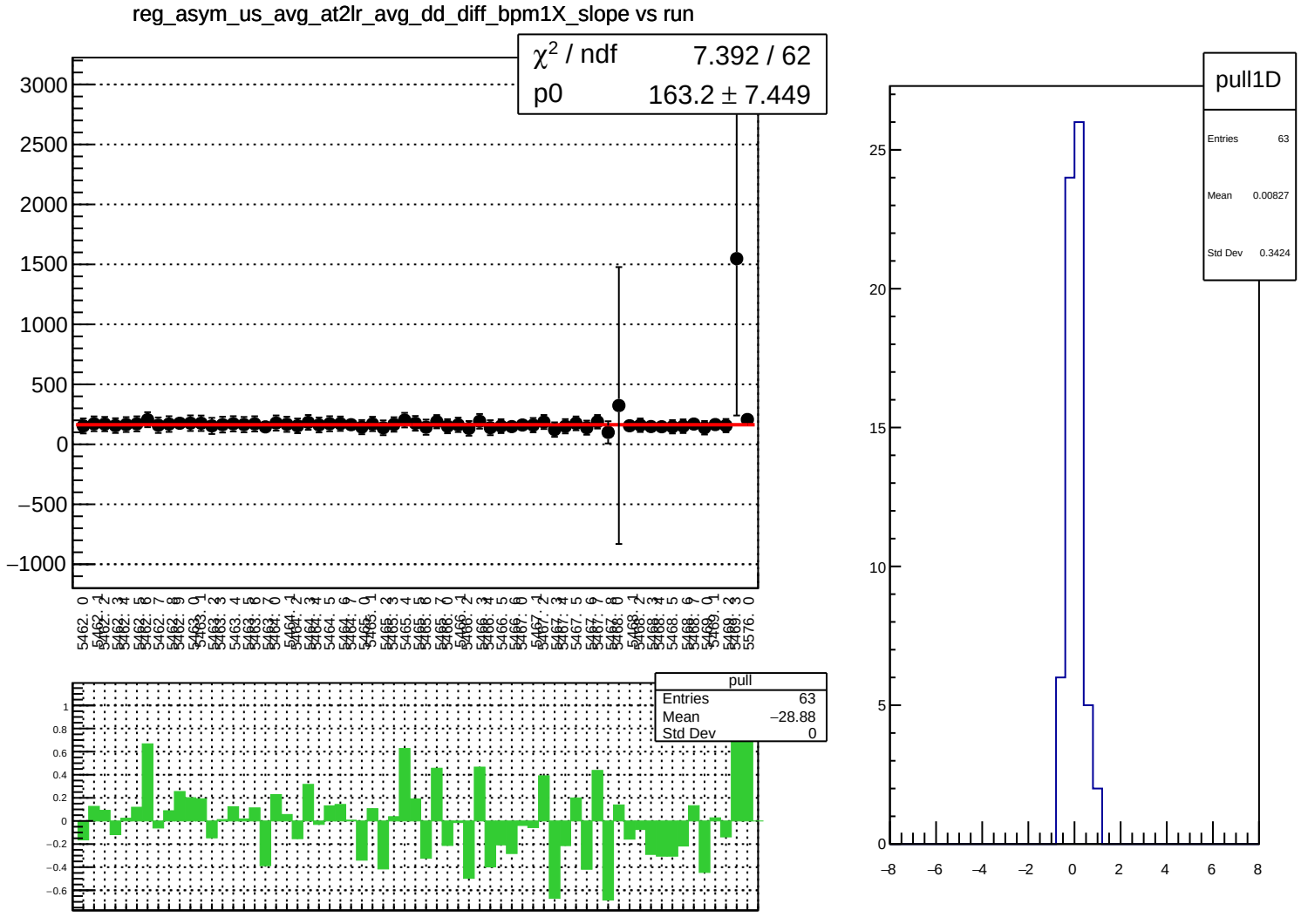

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.795 / 62
p0 107.3 ± 12.2
pull
Entries 63
Mean −30.73
Std Dev 0

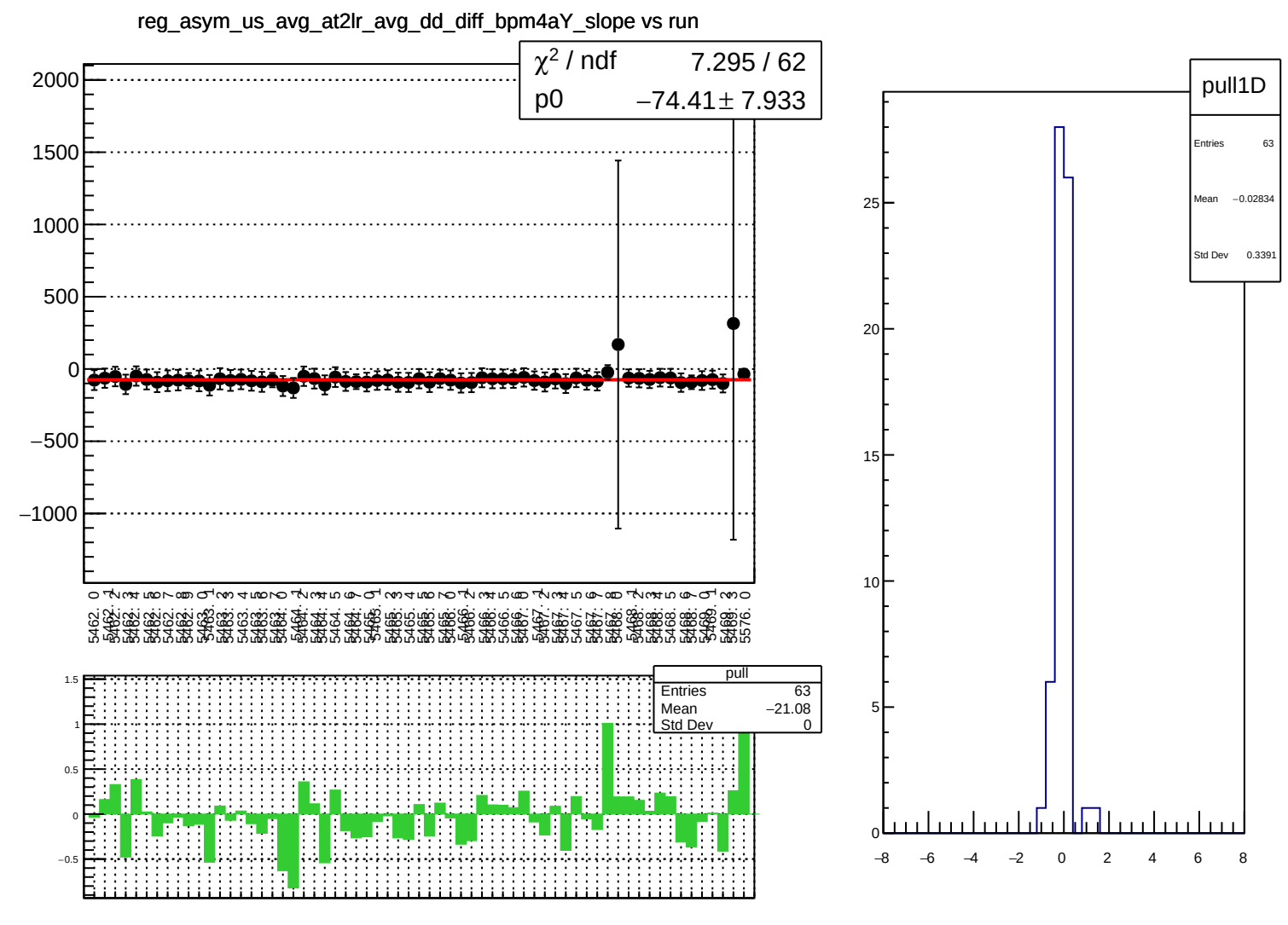

pull1D
Entries 63
Mean 0.04498
Std Dev 0.3709

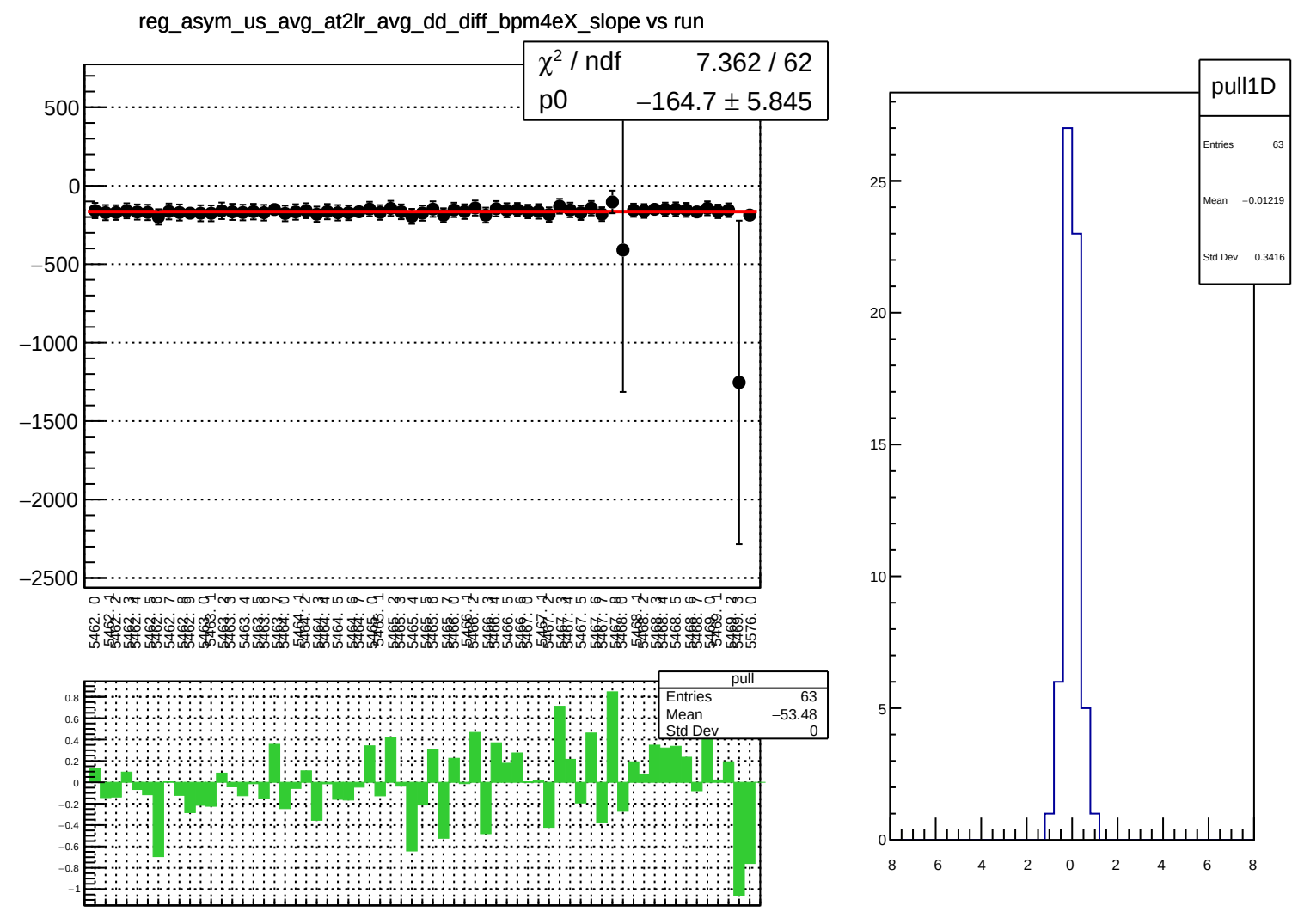

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.502 / 62
p0 268.8 ± 9.062
pull
Entries 63
Mean −46.62
Std Dev 0
pull1D
Entries 63
Mean 0.01996
Std Dev 0.3445

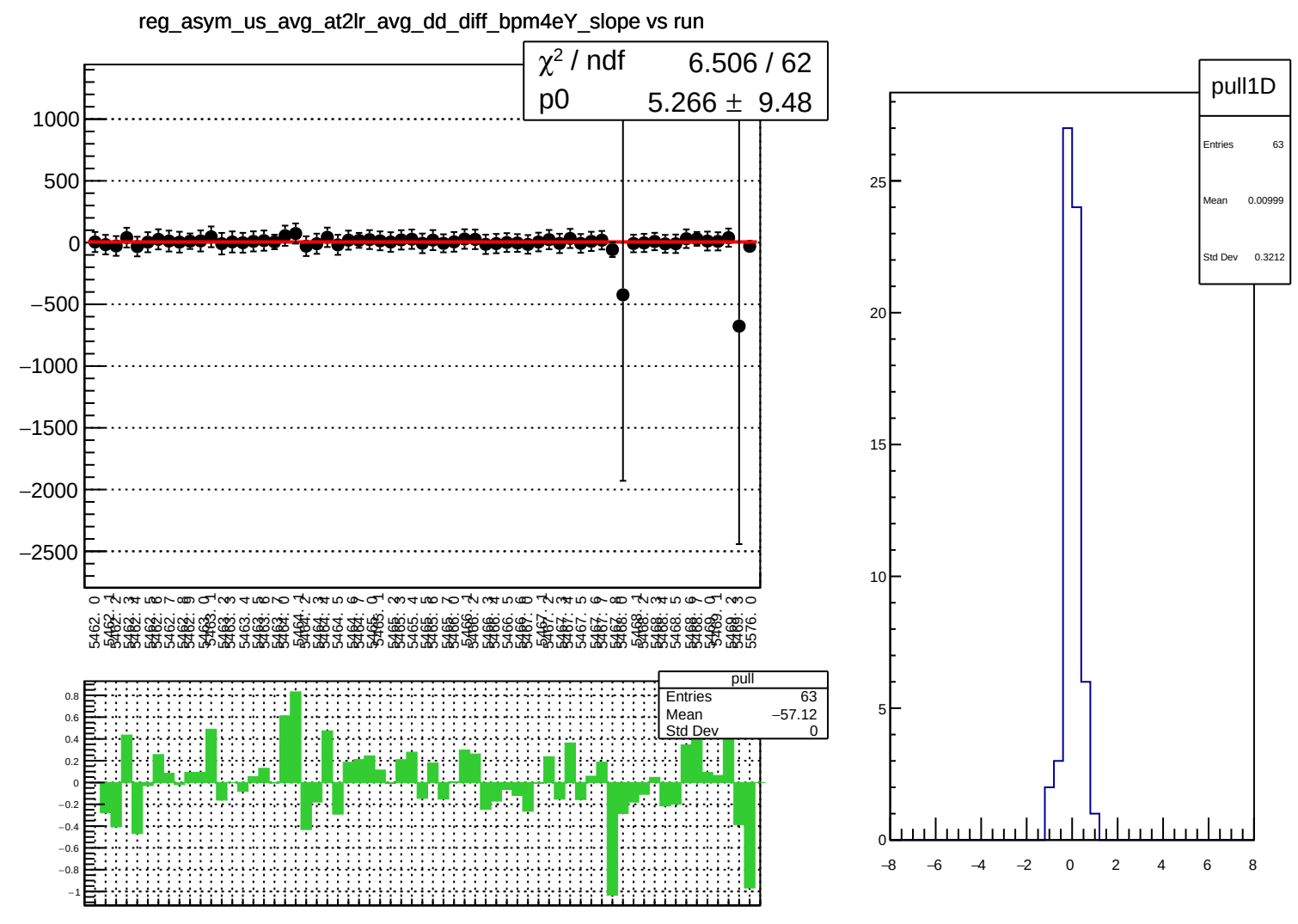

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.691 / 62
p0 −4.51 ± 14.58
pull
Entries 63
Mean −43.51
Std Dev 0
pull1D
Entries 63
Mean −0.0265
Std Dev 0.3484

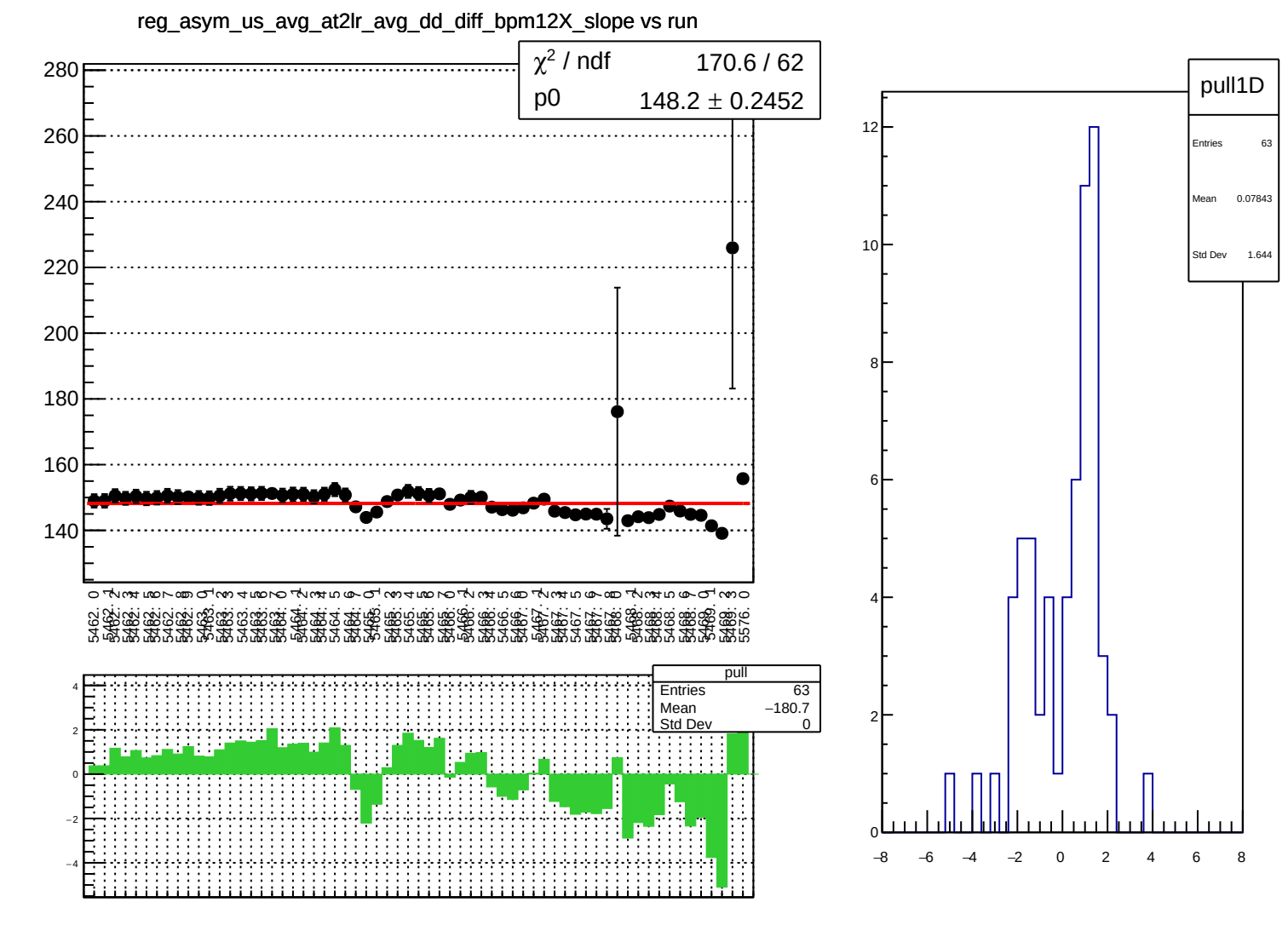

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 622.3 / 62
p0 −230.8 ± 0.3804
pull
Entries 63
Mean −197.8
Std Dev 0
pull1D
Entries 63
Mean −0.1679
Std Dev 3.138

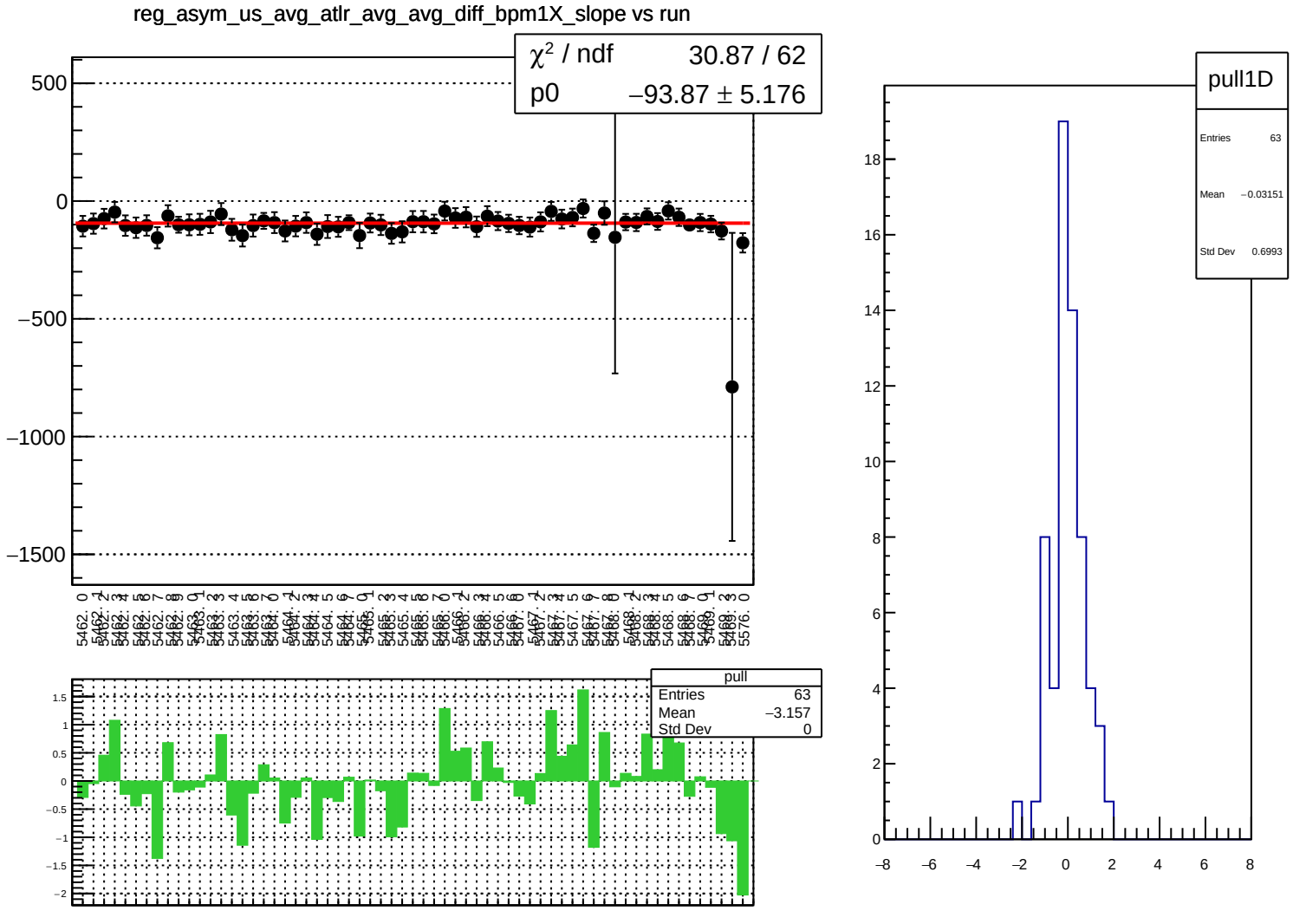

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 7.392 / 62
p0 163.2 ± 7.449
pull
Entries 63
Mean −28.88
Std Dev 0
pull1D
Entries 63
Mean 0.00827
Std Dev 0.3424

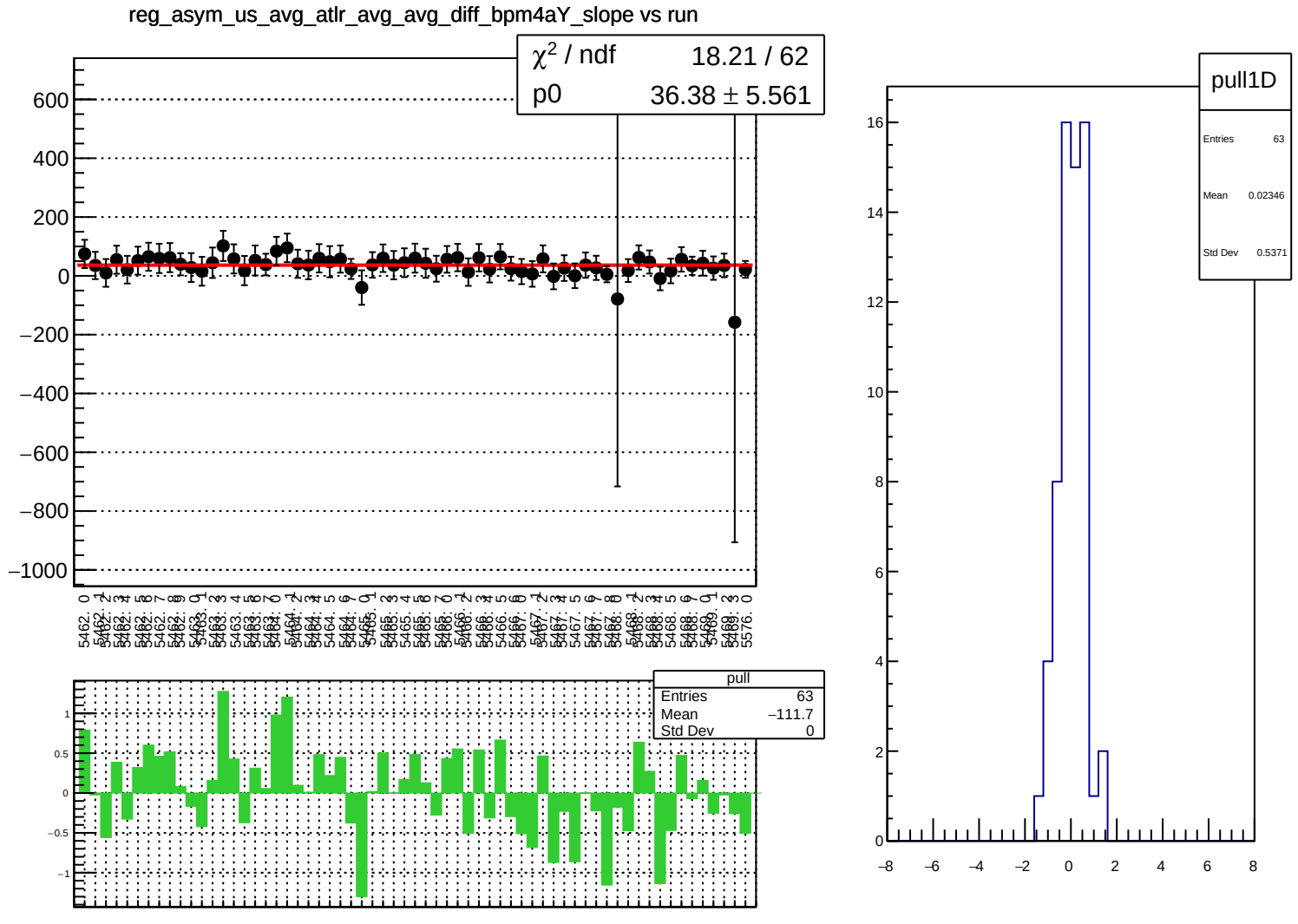

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.295 / 62
p0 −74.41± 7.933
pull
Entries 63
Mean −21.08
Std Dev 0
pull1D
Entries 63
Mean −0.02834
Std Dev 0.3391

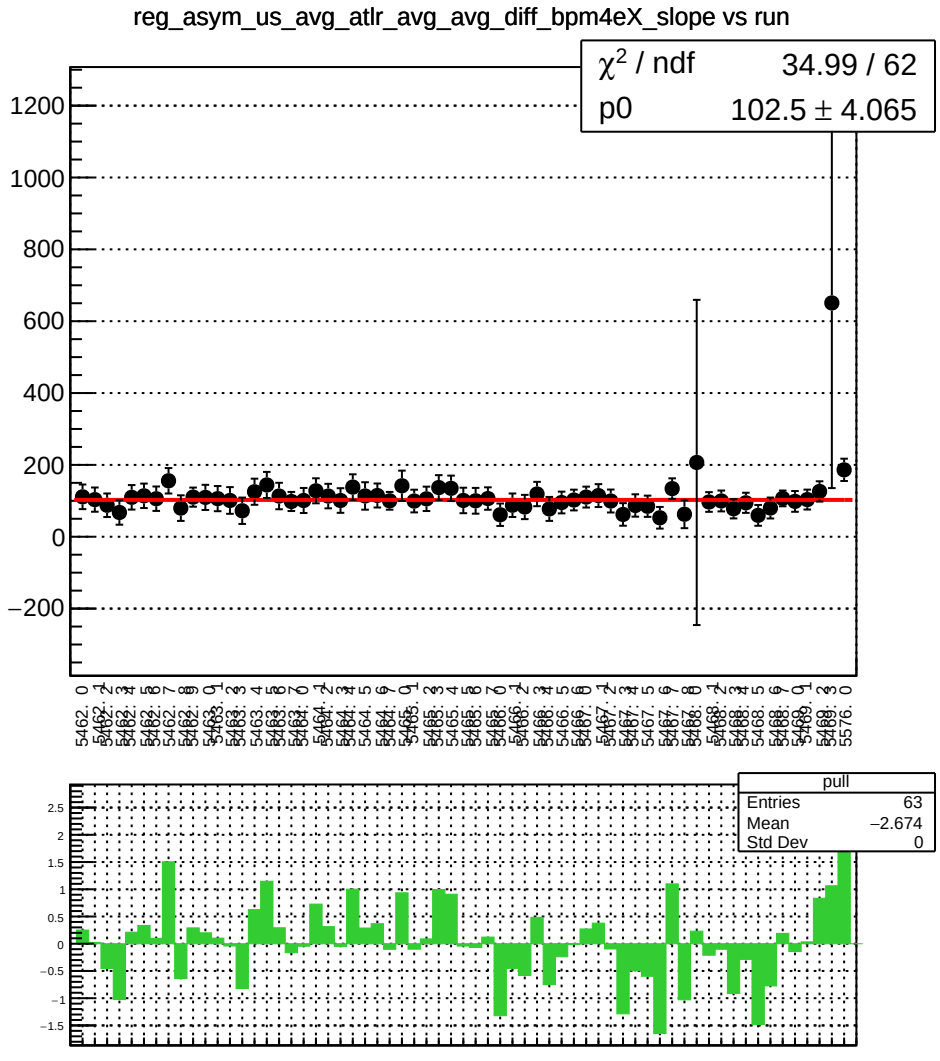

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.362 / 62
p0 −164.7 ± 5.845
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 63
Mean −53.48
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 63
Mean −0.01219
Std Dev 0.3416
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

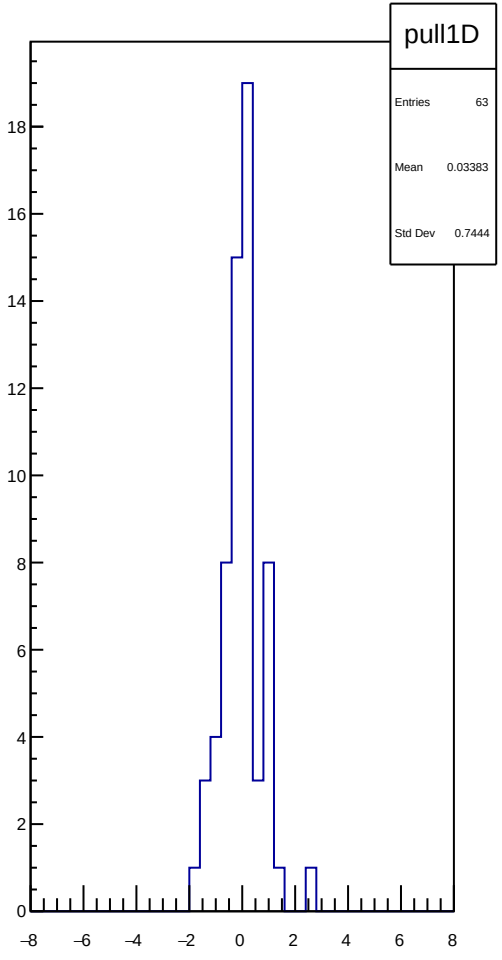

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.506 / 62
p0 5.266 ± 9.48
pull
Entries 63
Mean −57.12
Std Dev 0
pull1D
Entries 63
Mean 0.00999
Std Dev 0.3212

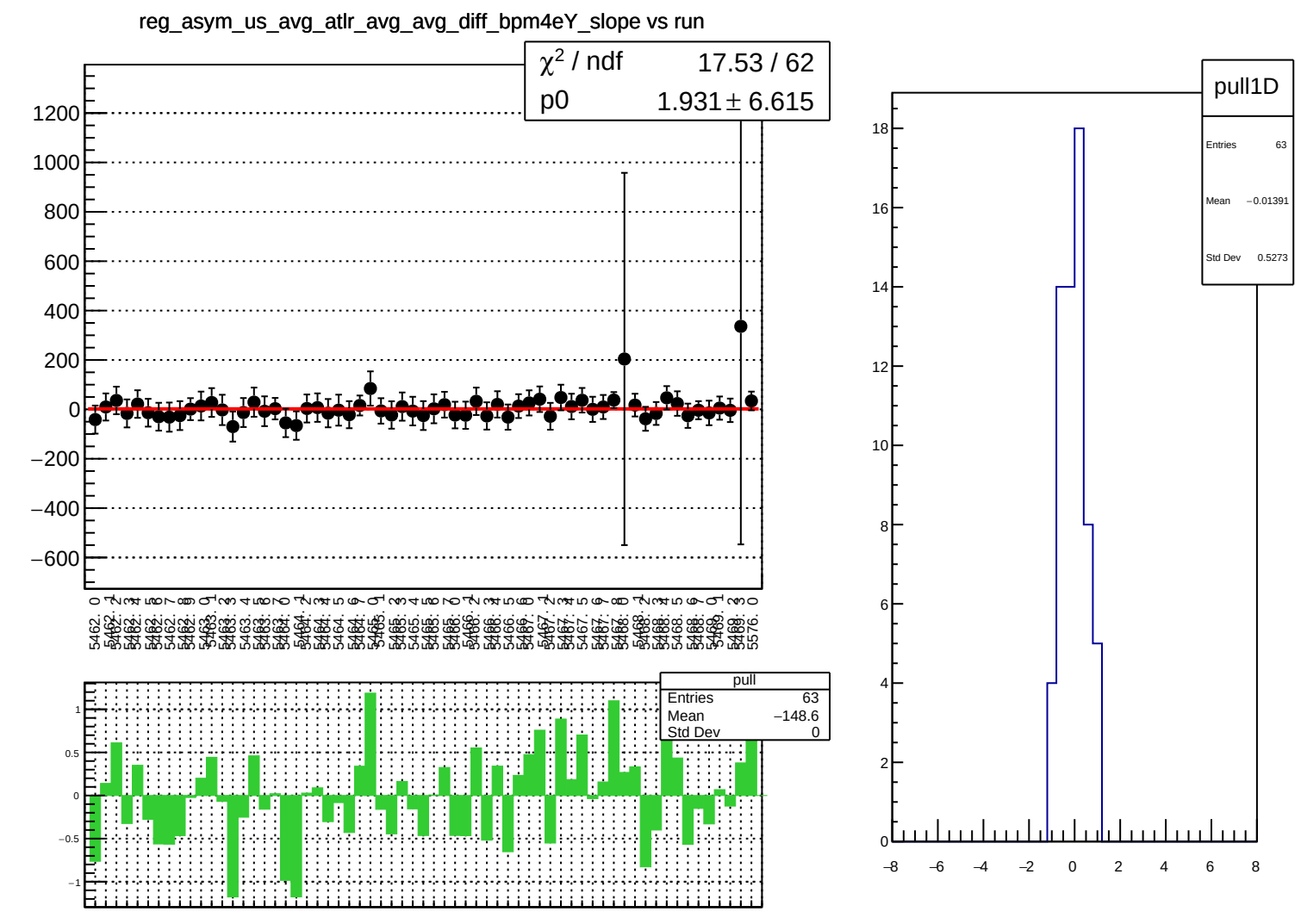

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 170.6 / 62
p0 148.2 ± 0.2452
pull
Entries 63
Mean −180.7
Std Dev 0
pull1D
Entries 63
Mean 0.07843
Std Dev 1.644

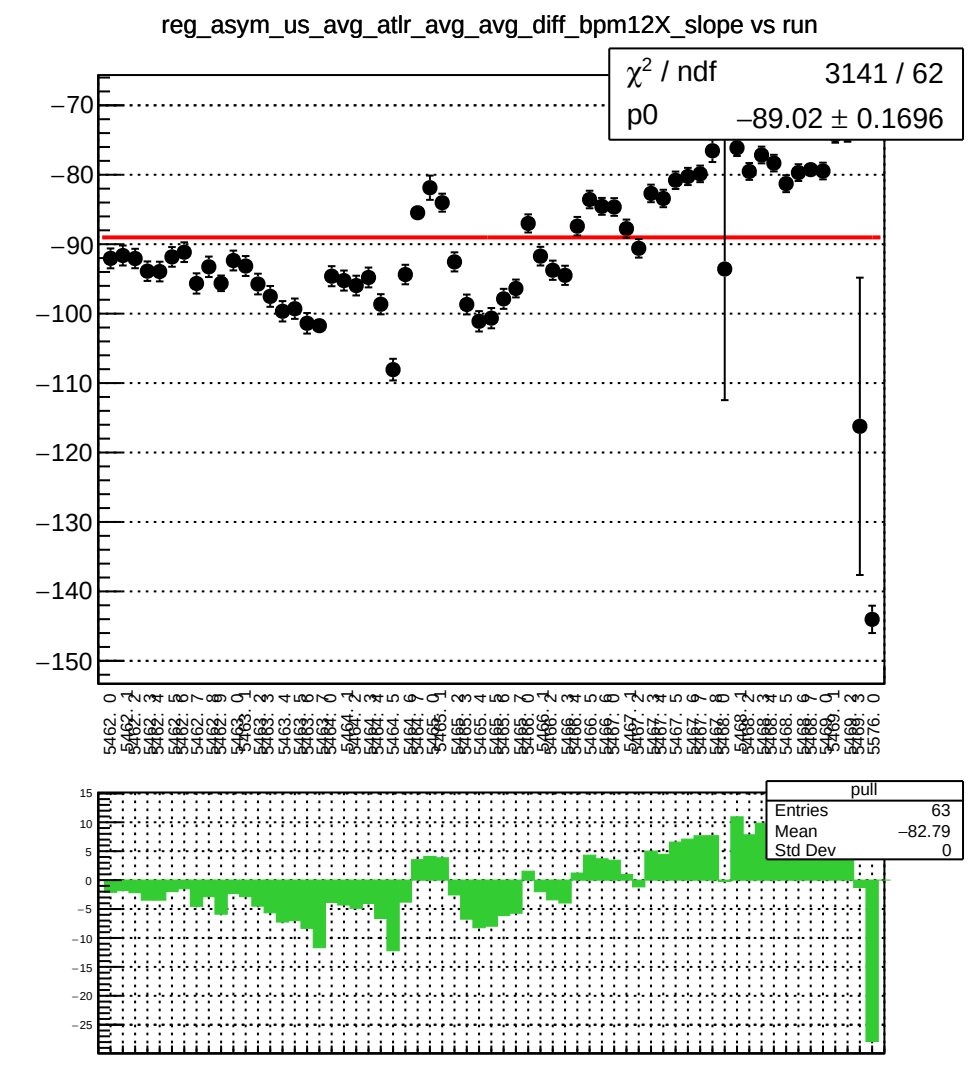

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 30.87 / 62
p0 −93.87 ± 5.176
pull
Entries 63
Mean −3.157
Std Dev 0
pull1D
Entries 63
Mean −0.03151
Std Dev 0.6993

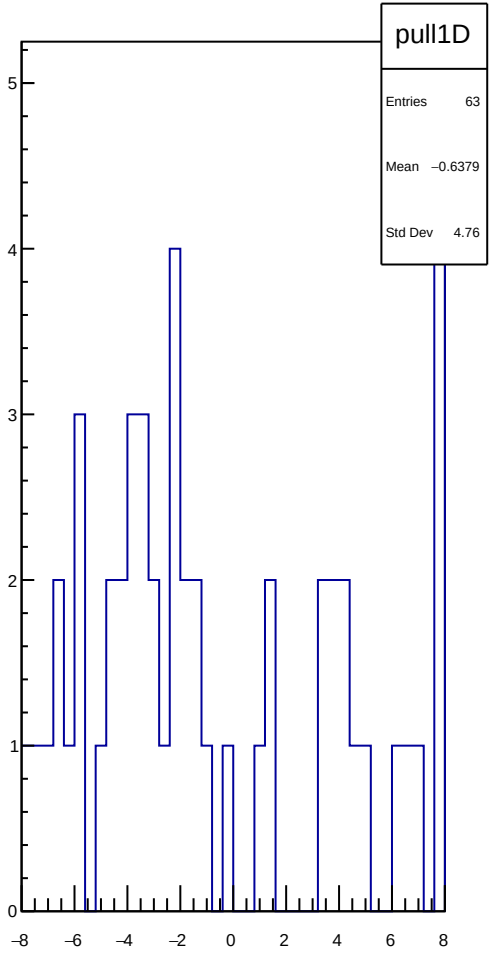

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.21 / 62
p0 36.38 ± 5.561
pull
Entries 63
Mean −111.7
Std Dev 0
pull1D
Entries 63
Mean 0.02346
Std Dev 0.5371

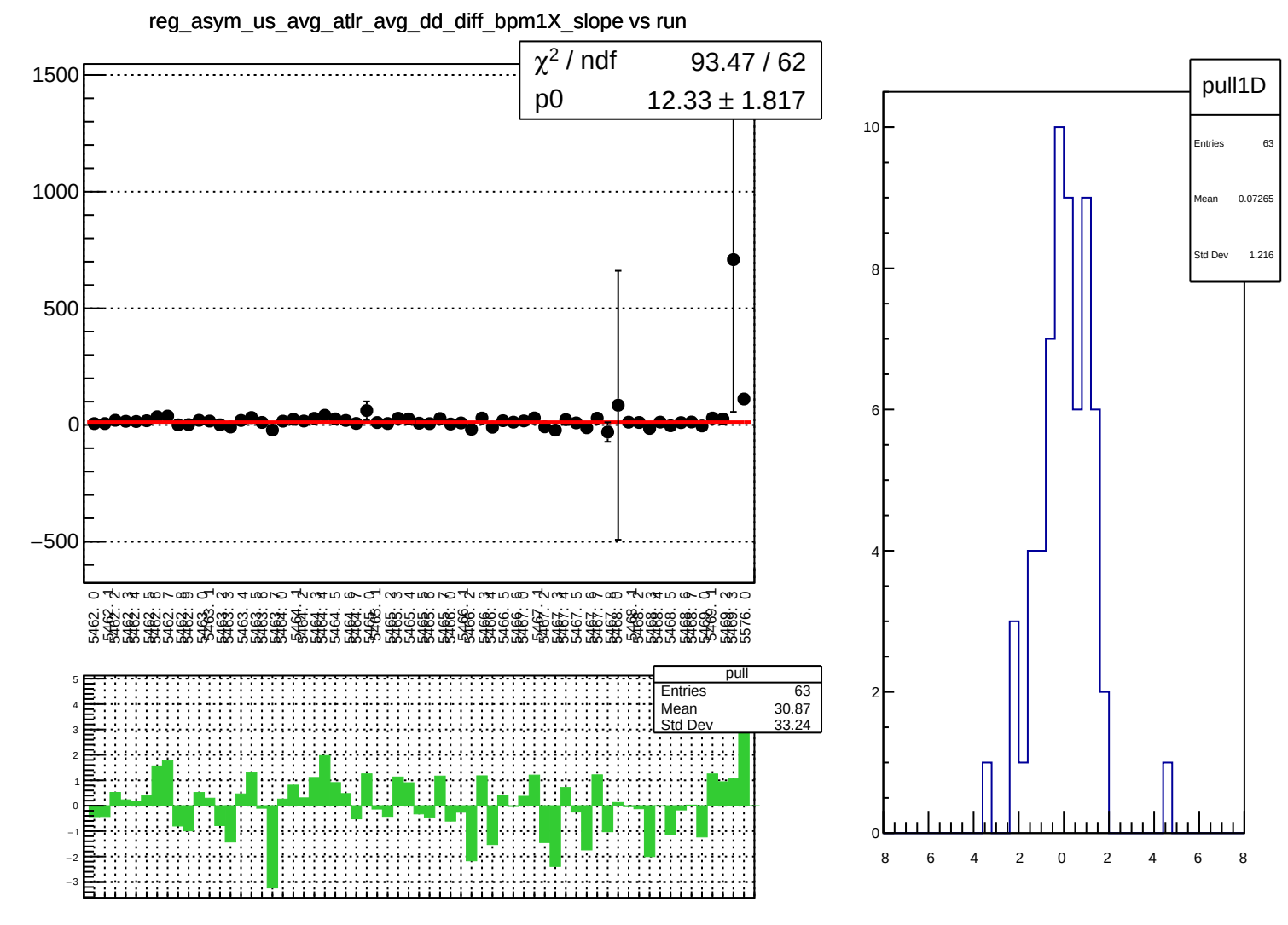

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.99 / 62
p0 102.5 ± 4.065
pull
Entries 63
Mean −2.674
Std Dev 0

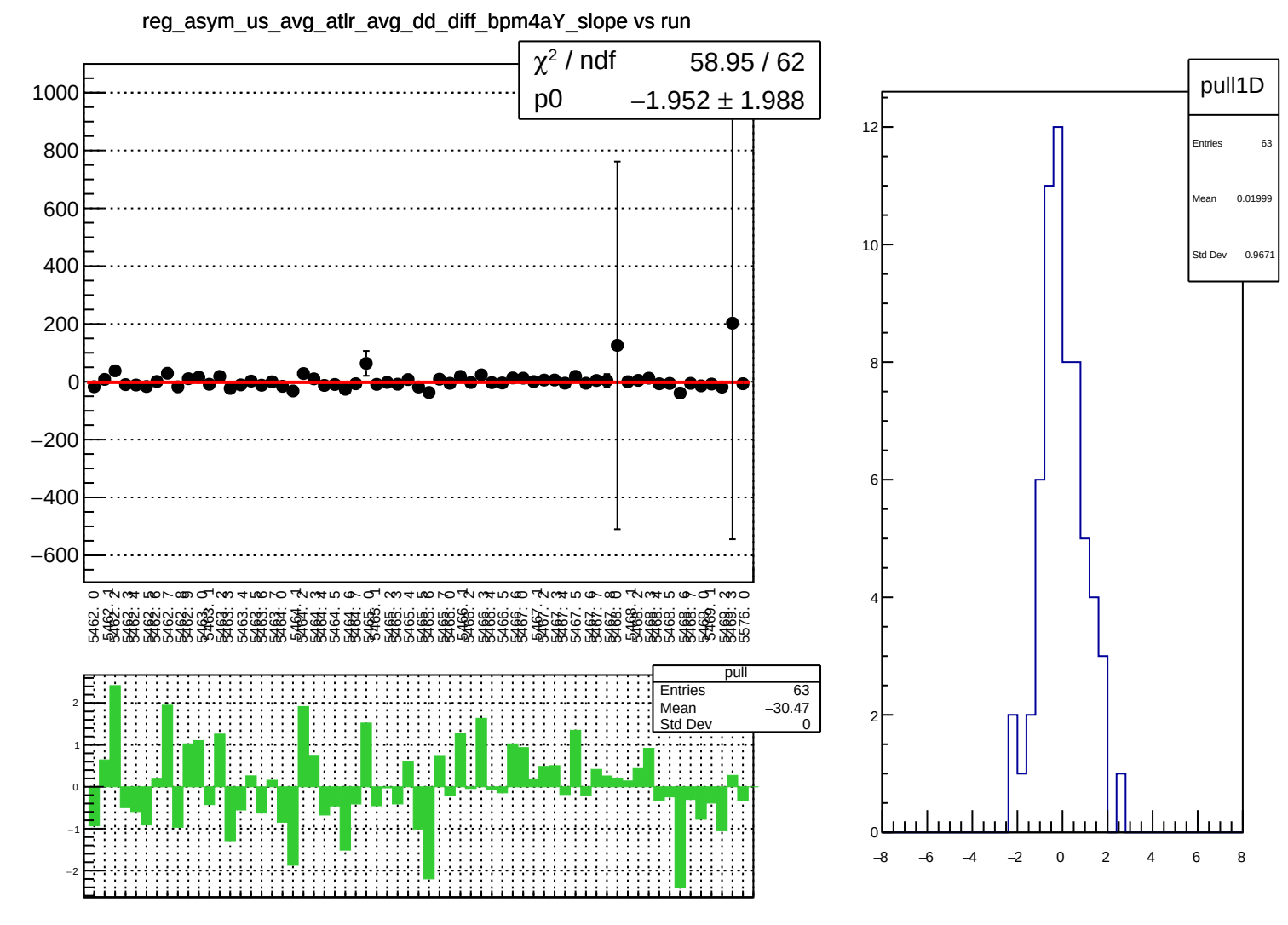

pull1D
Entries 63
Mean 0.03383
Std Dev 0.7444

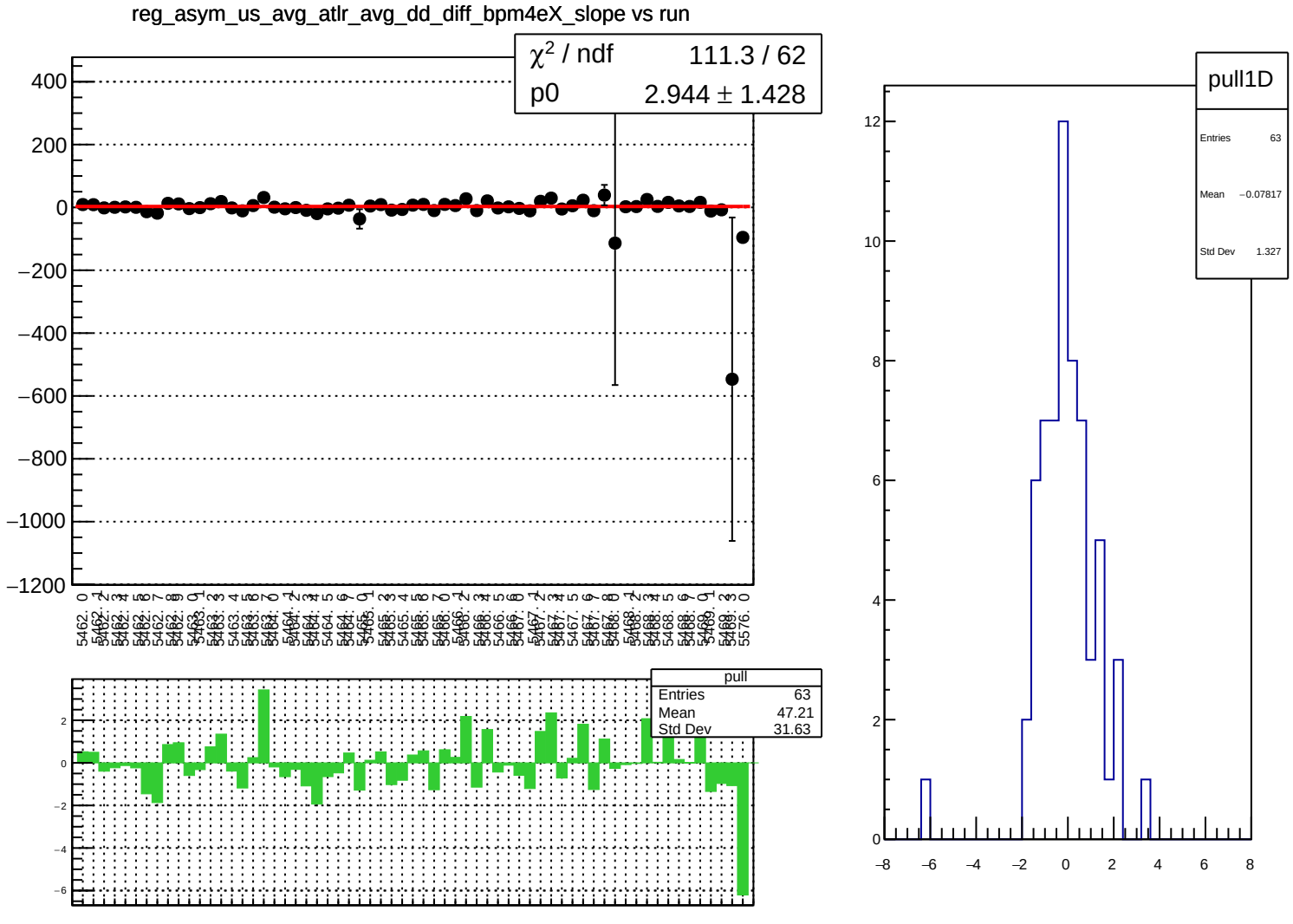

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.53 / 62
p0 1.931 ± 6.615
pull
Entries 63
Mean −148.6
Std Dev 0
pull1D
Entries 63
Mean −0.01391
Std Dev 0.5273

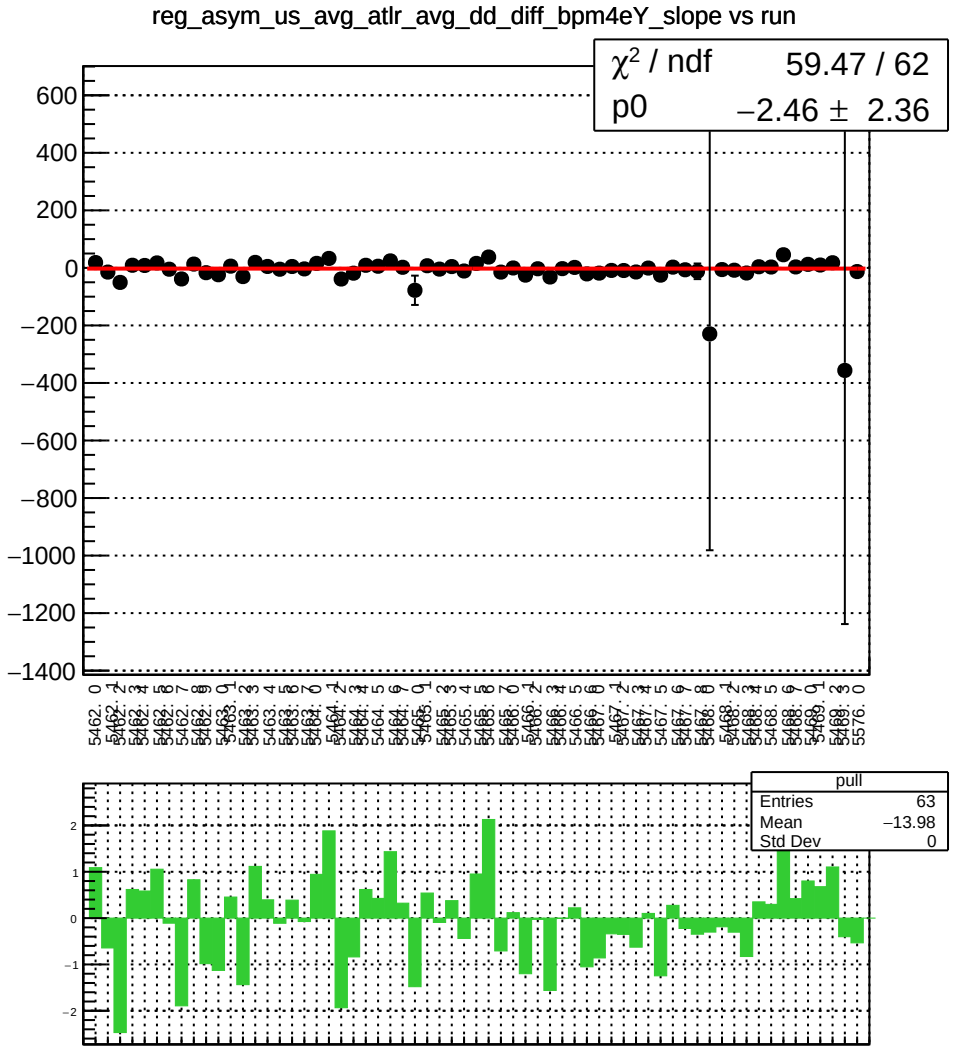

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 3141 / 62
p0 −89.02 ± 0.1696
pull
Entries 63
Mean −82.79
Std Dev 0

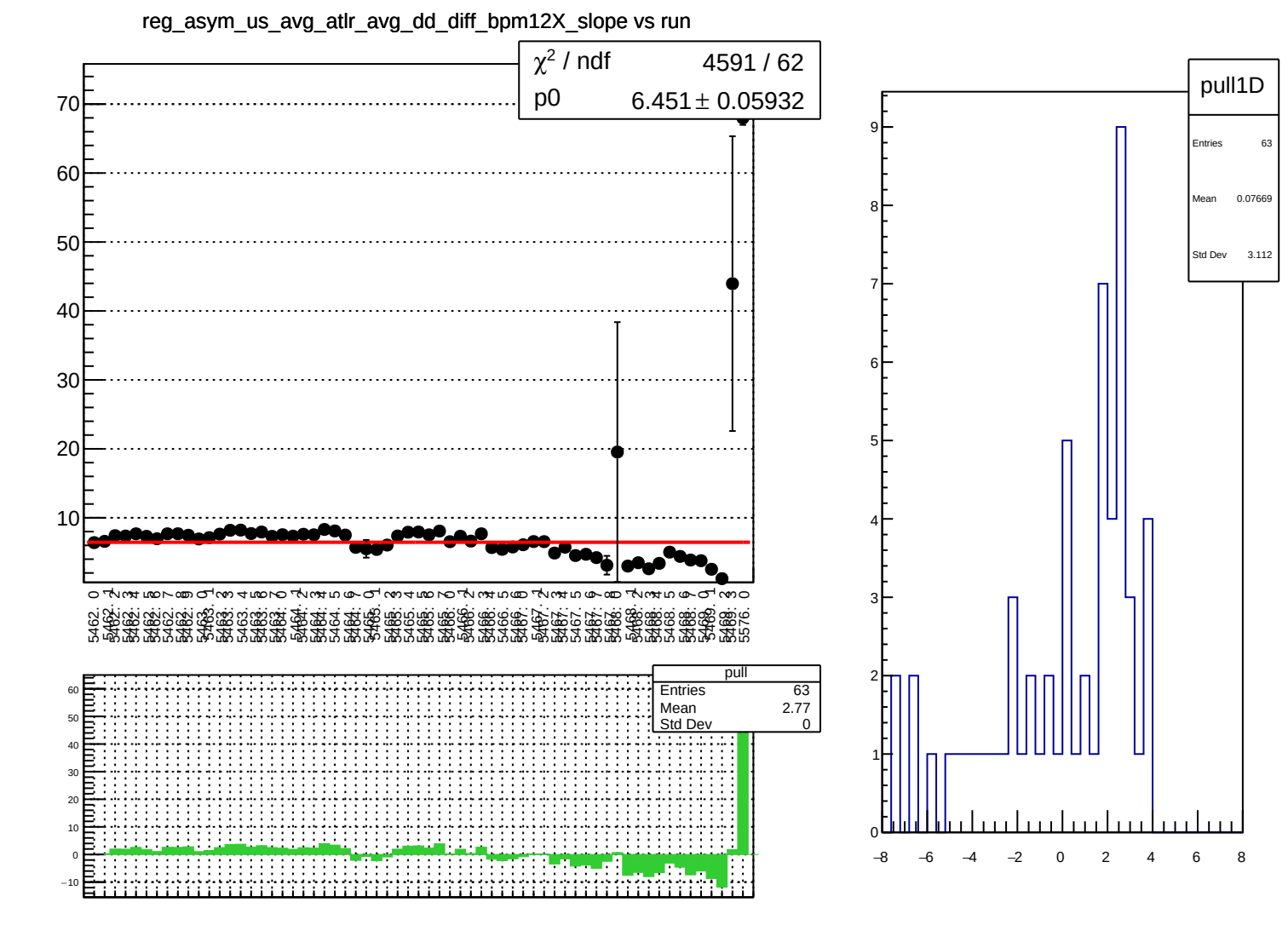

pull1D
Entries 63
Mean −0.6379
Std Dev 4.76

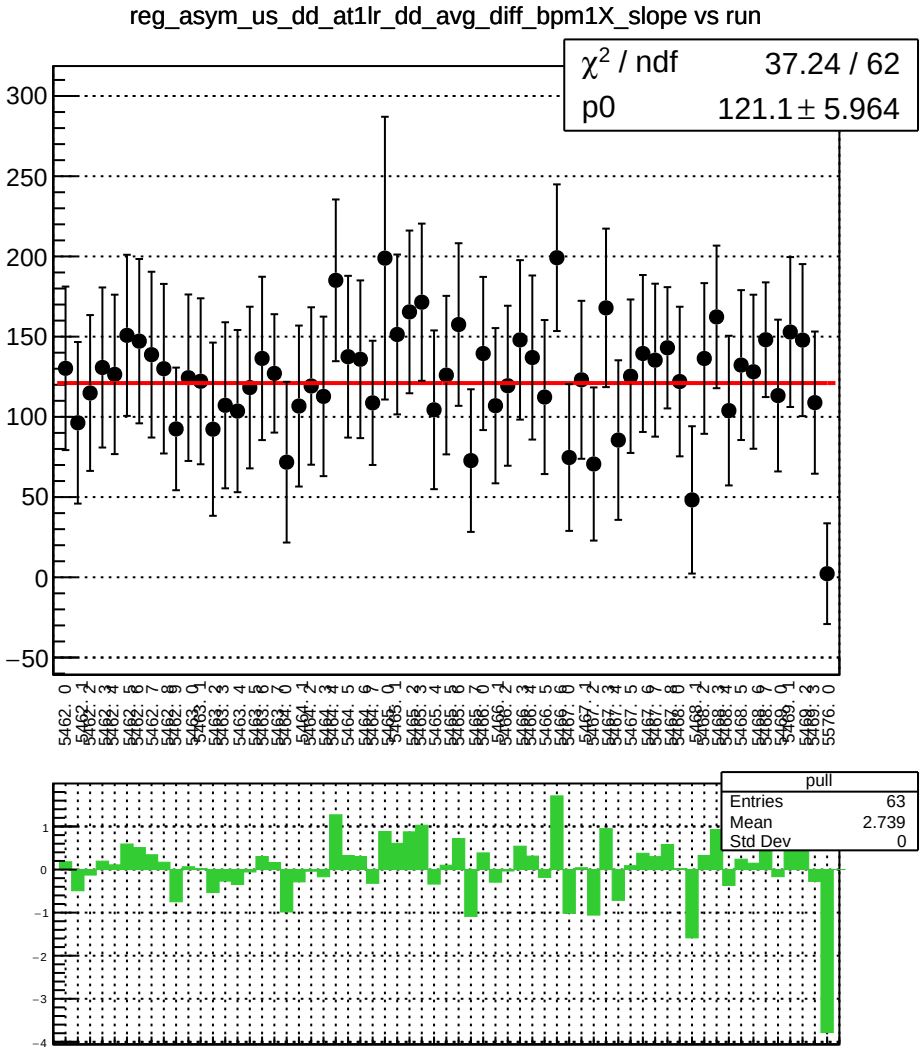

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 93.47 / 62
p0 12.33 ± 1.817
1500
1000
500
0
−500
pull
Entries 63
Mean 30.87
Std Dev 33.24
pull1D
Entries 63
Mean 0.07265
Std Dev 1.216

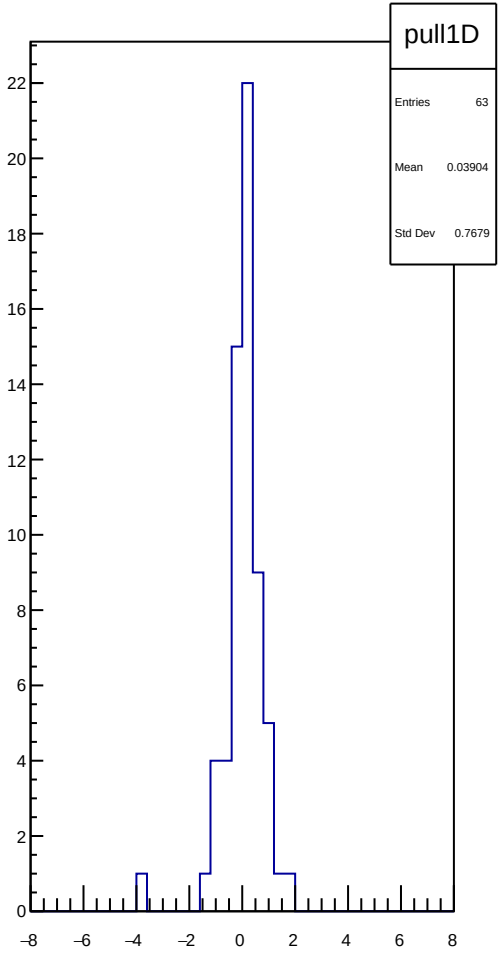

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.95 / 62
p0 −1.952 ± 1.988
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 63
Mean −30.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 63
Mean 0.01999
Std Dev 0.9671
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

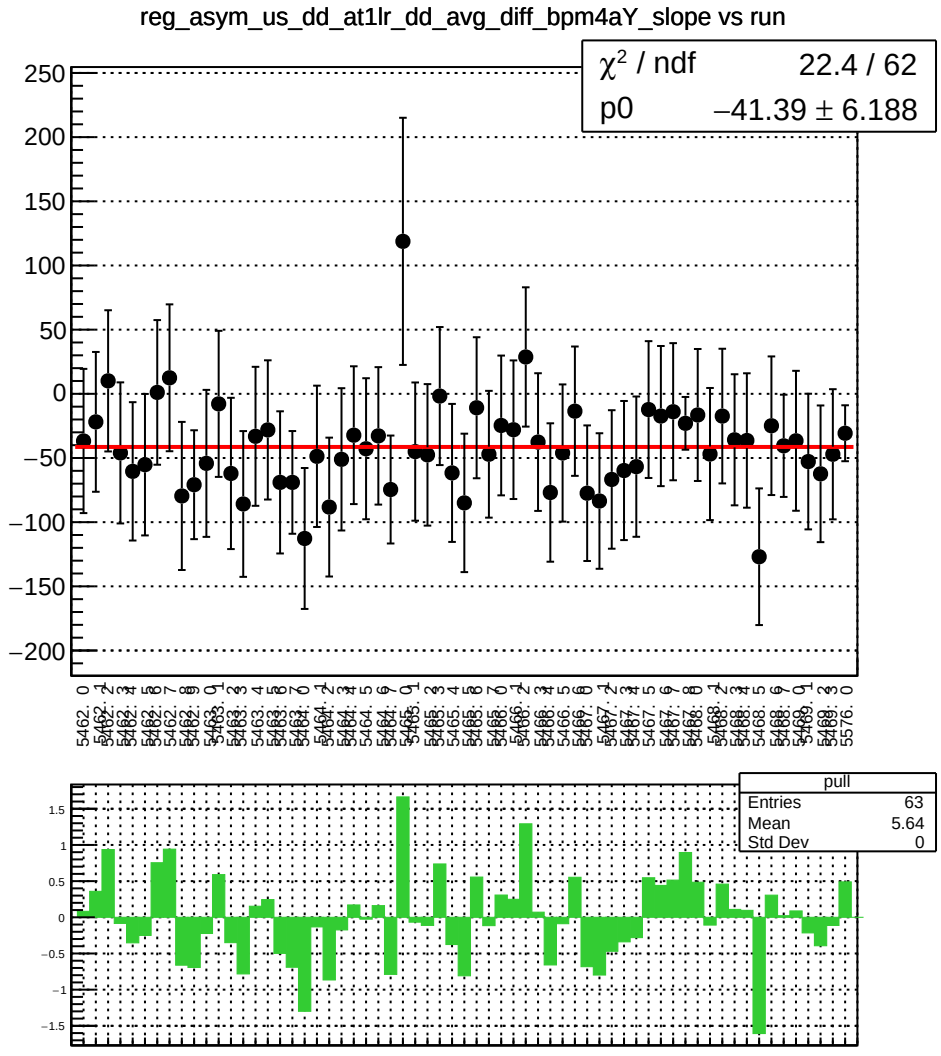

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 111.3 / 62
p0 2.944 ± 1.428
pull
Entries 63
Mean 47.21
Std Dev 31.63
pull1D
Entries 63
Mean −0.07817
Std Dev 1.327

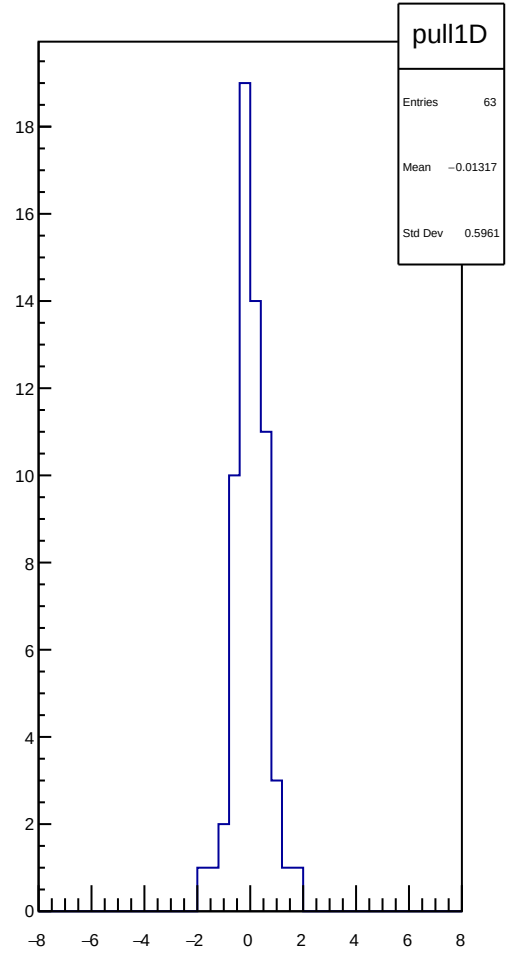

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.47 / 62
p0 −2.46 ± 2.36
pull
Entries 63
Mean −13.98
Std Dev 0
pull1D
Entries 63
Mean −0.02514
Std Dev 0.9713

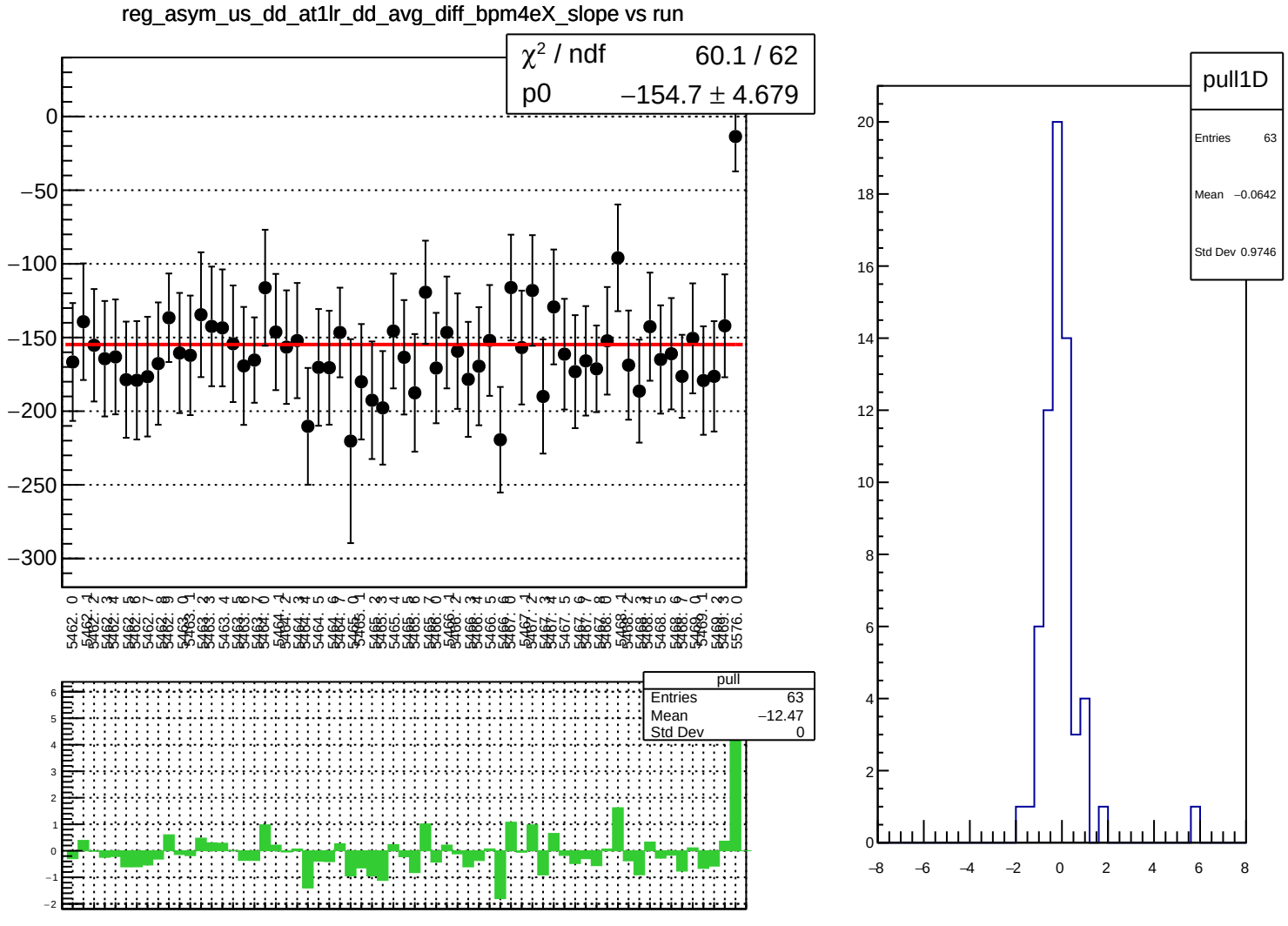

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 4591 / 62
p0 6.451 ± 0.05932
pull
Entries 63
Mean 2.77
Std Dev 0
pull1D
Entries 63
Mean 0.07669
Std Dev 3.112

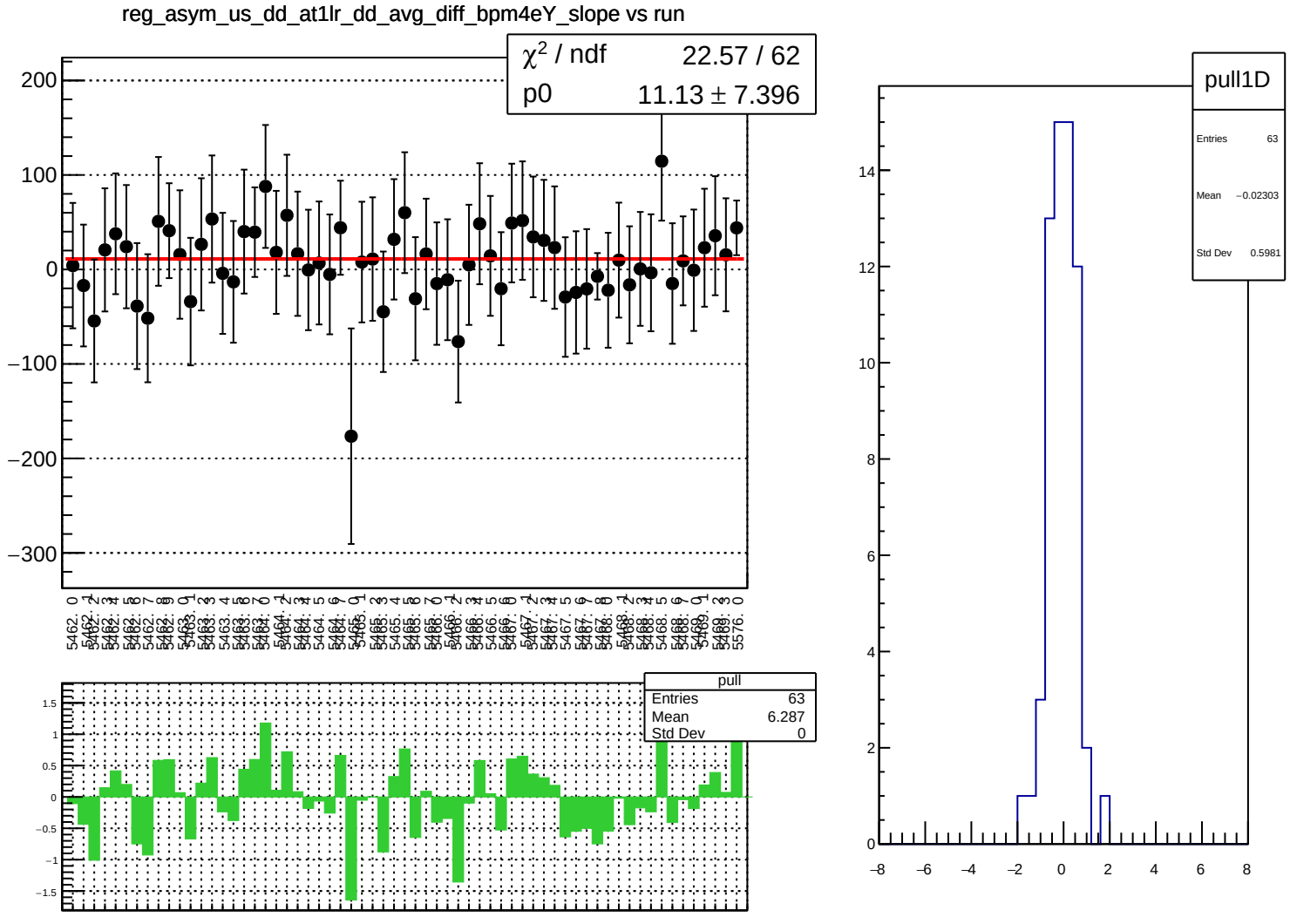

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 37.24 / 62
p0 121.1 ± 5.964
pull
Entries 63
Mean 2.739
Std Dev 0

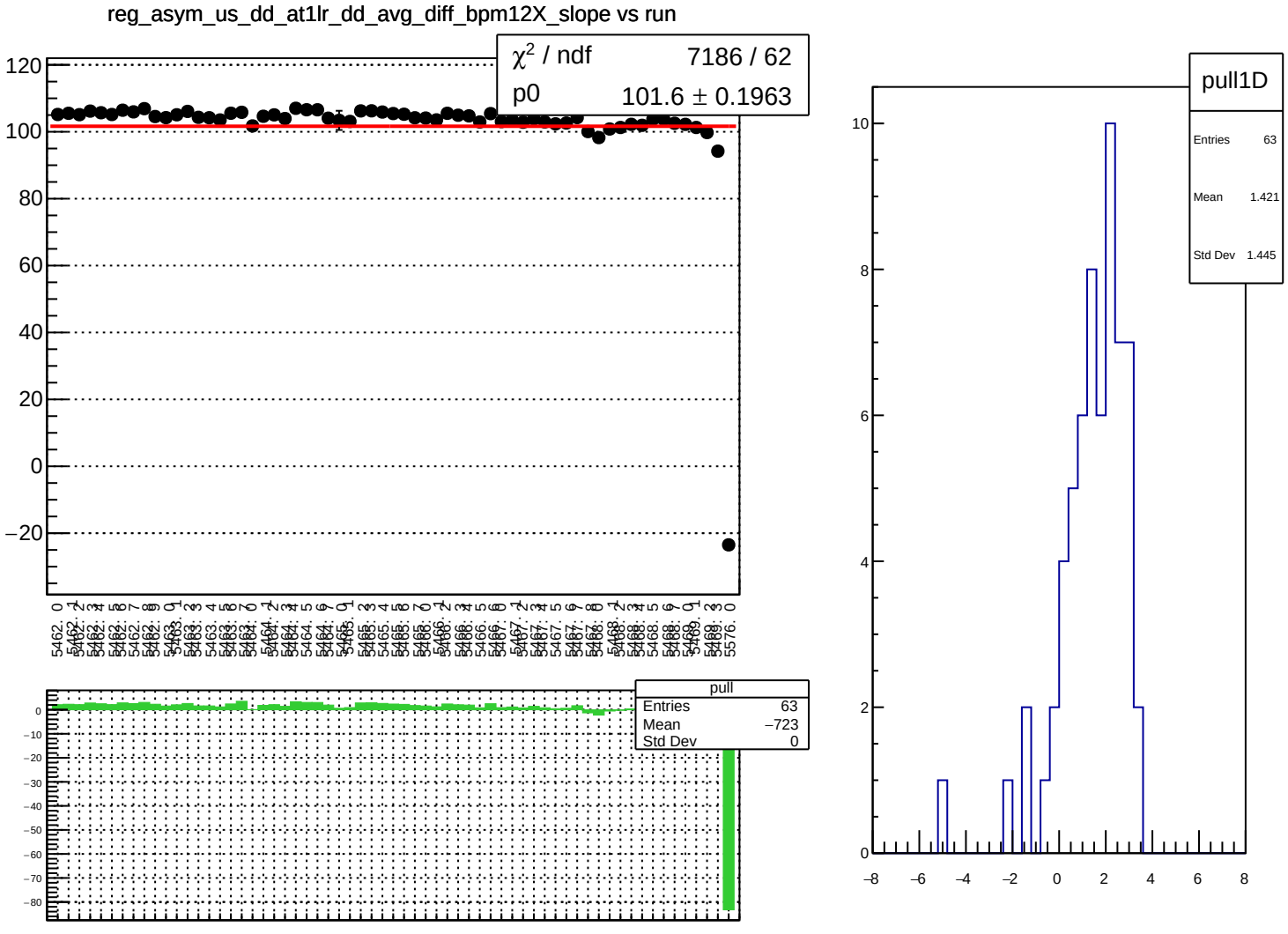

pull1D
Entries 63
Mean 0.03904
Std Dev 0.7679

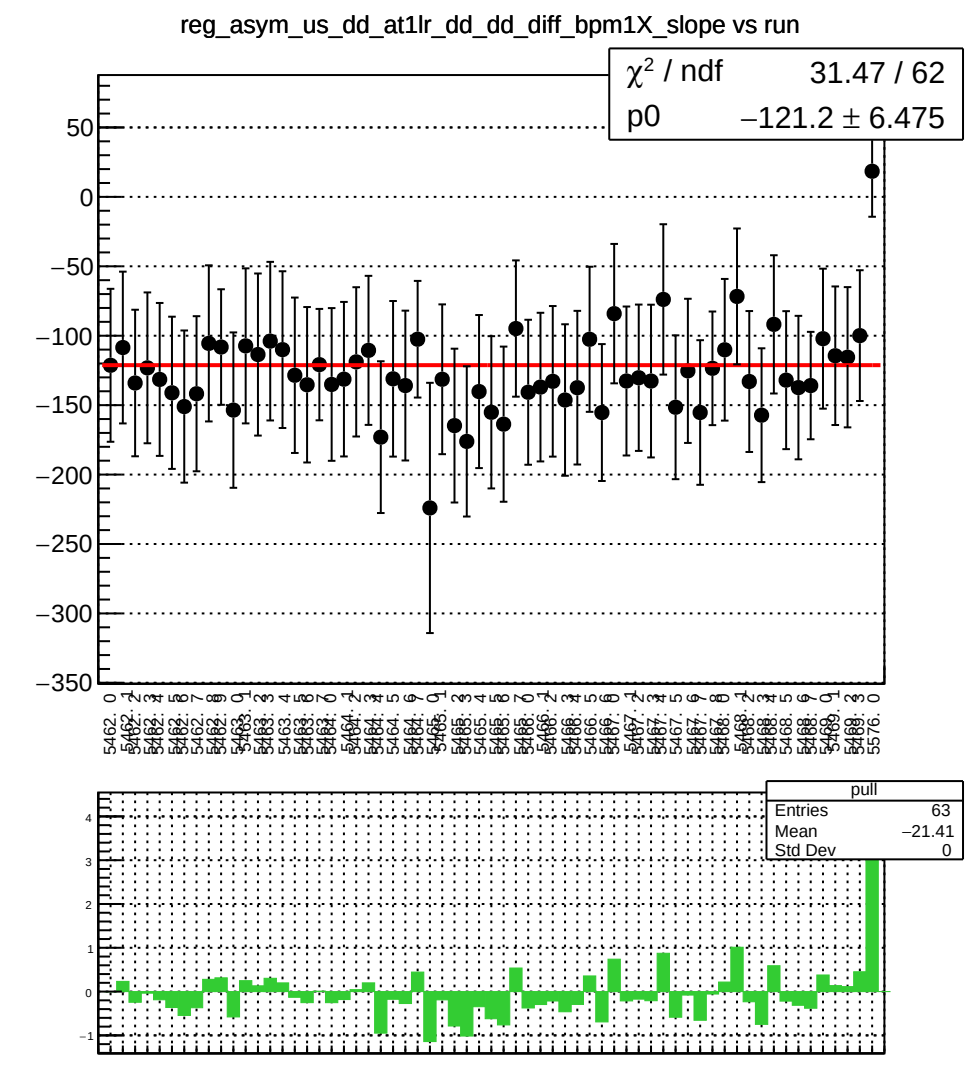

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.4 / 62
p0 −41.39 ± 6.188
pull
Entries 63
Mean 5.64
Std Dev 0

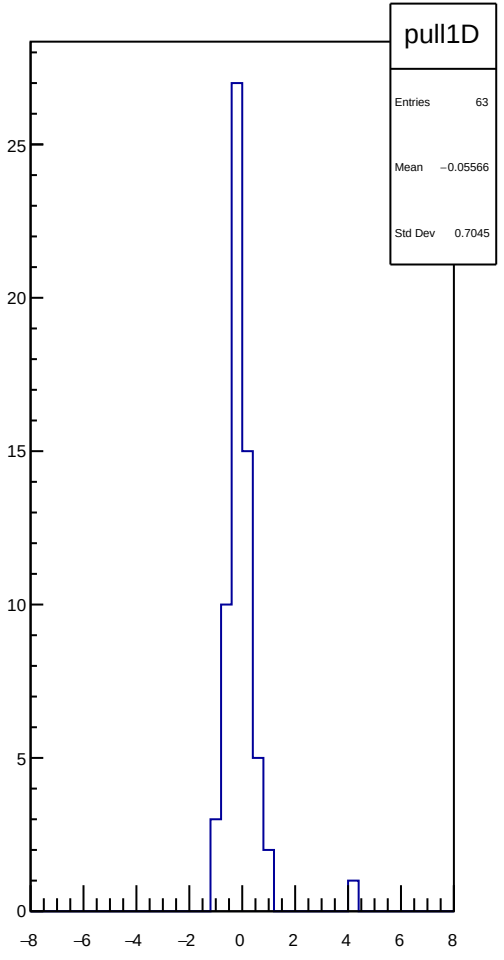

pull1D
Entries 63
Mean −0.01317
Std Dev 0.5961

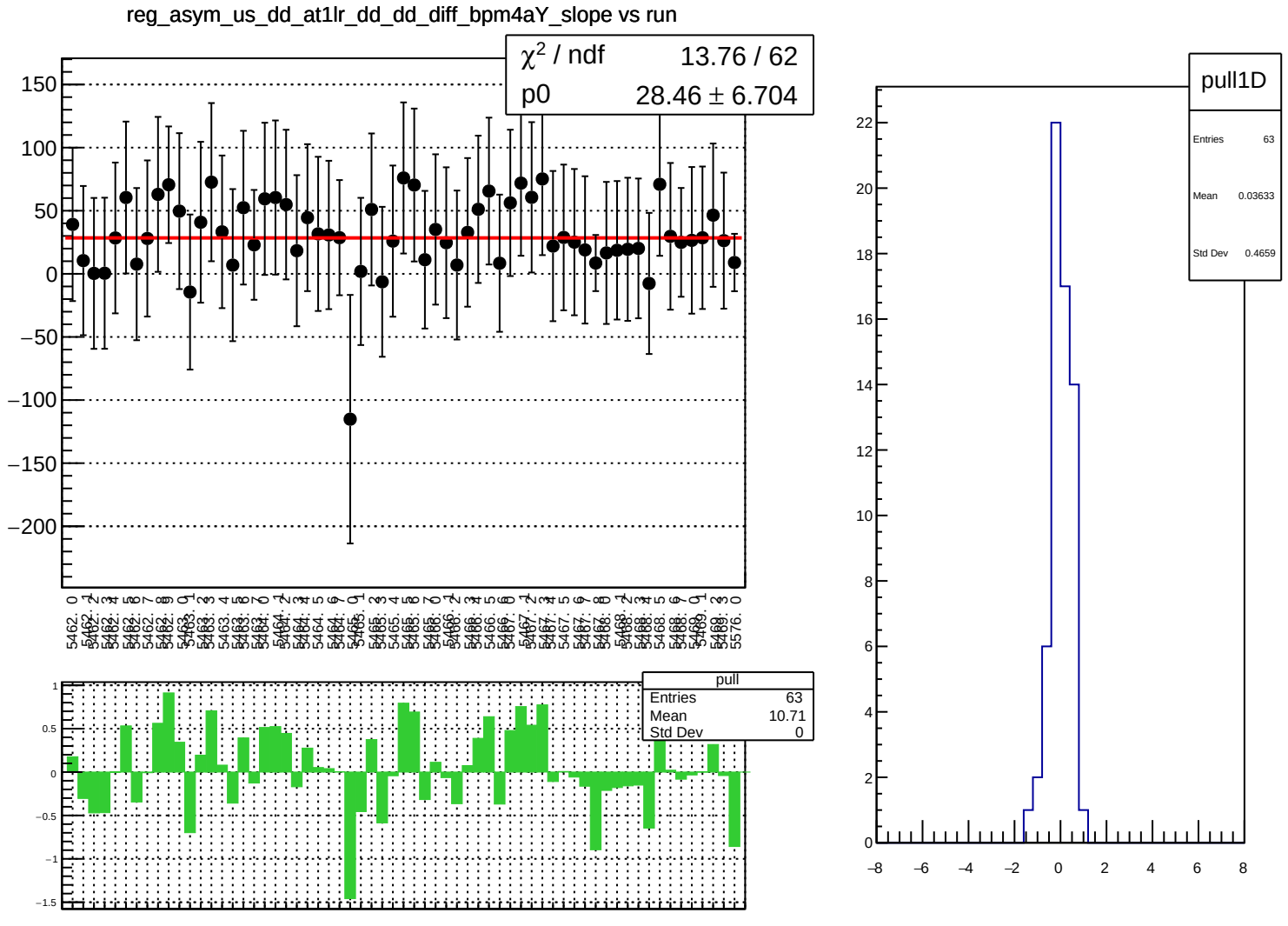

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.1 / 62
p0 −154.7 ± 4.679
pull
Entries 63
Mean −12.47
Std Dev 0
pull1D
Entries 63
Mean −0.0642
Std Dev 0.9746

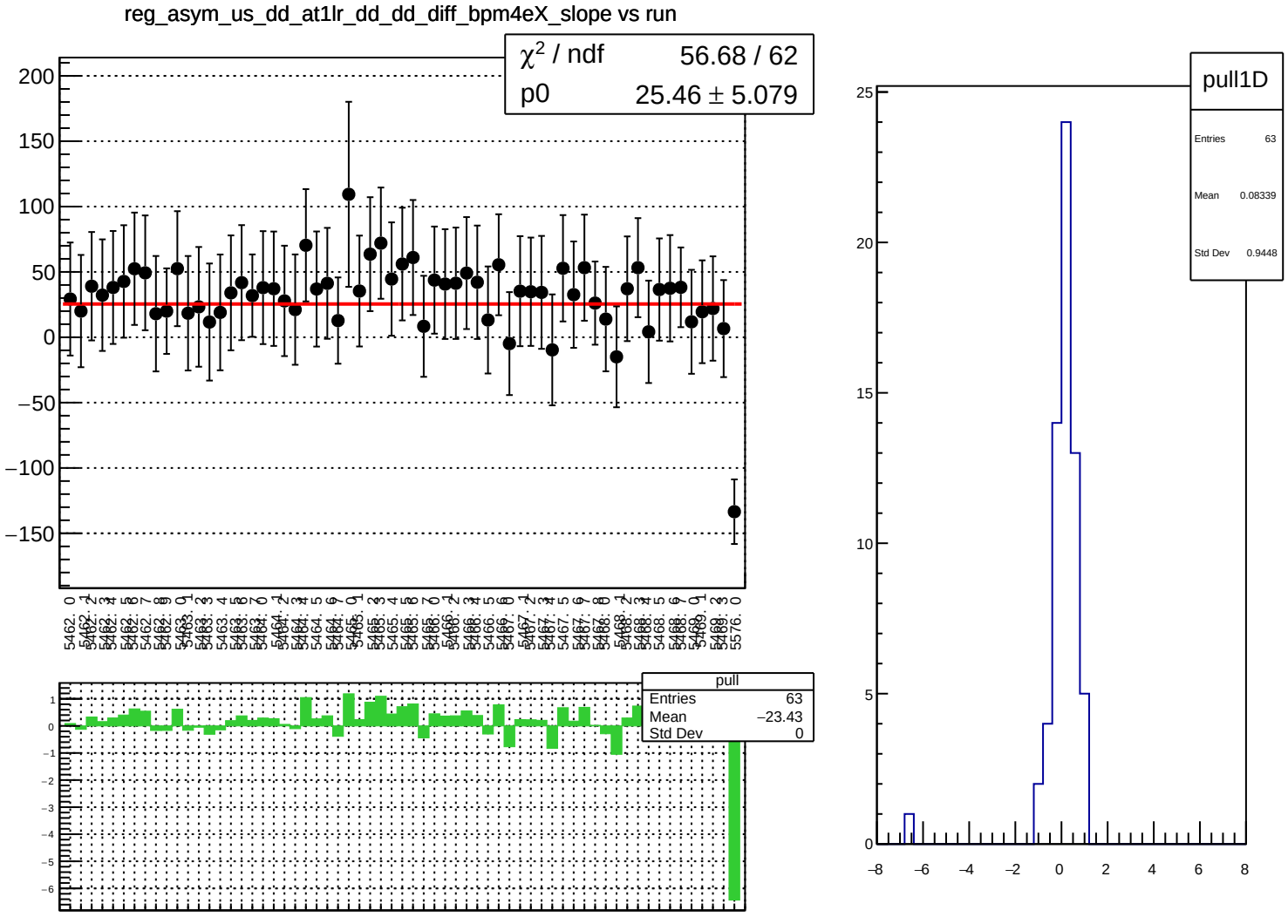

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.57 / 62
p0 11.13 ± 7.396
pull
Entries 63
Mean 6.287
Std Dev 0
pull1D
Entries 63
Mean −0.02303
Std Dev 0.5981

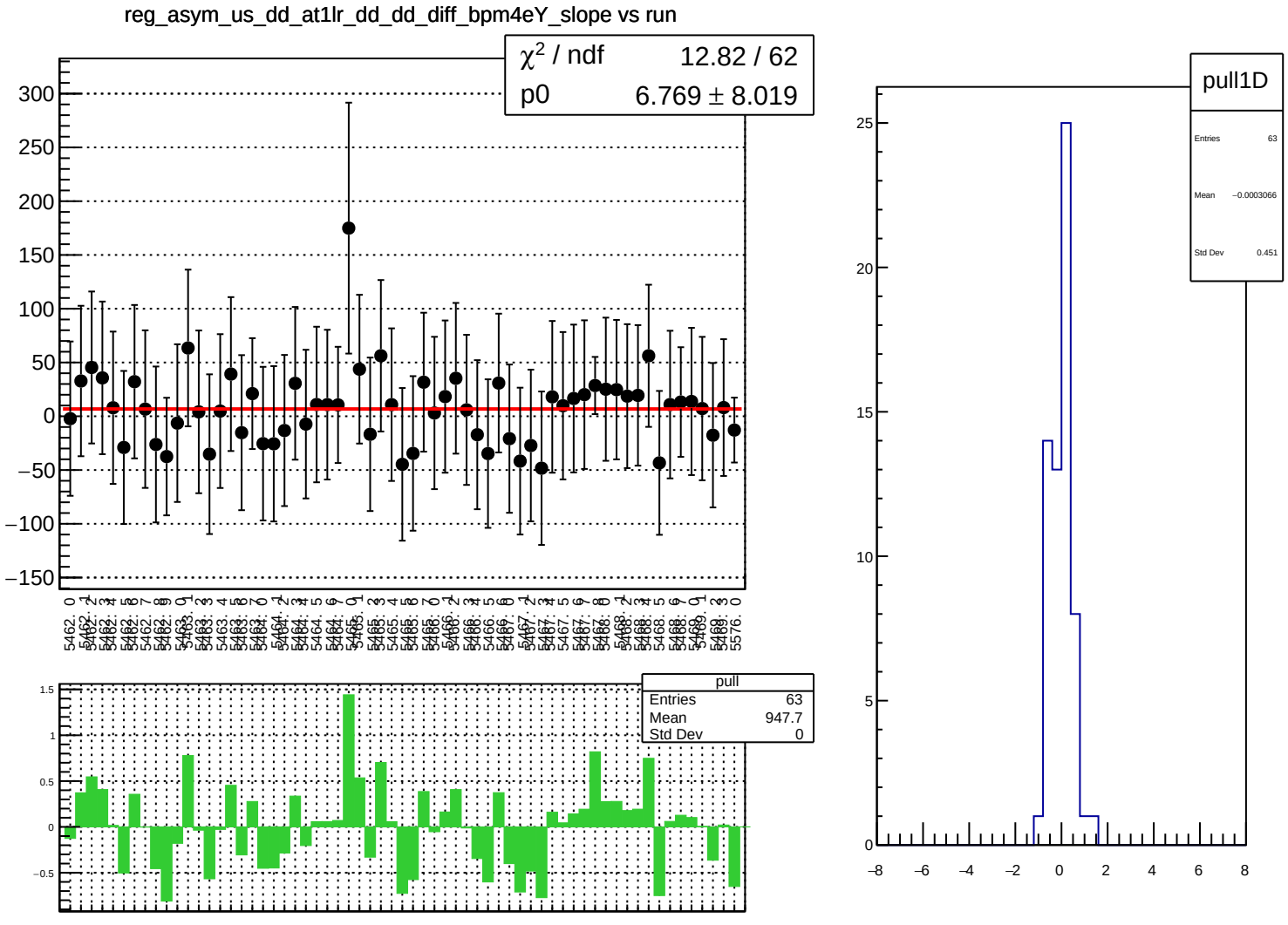

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7186 / 62
p0 101.6 ± 0.1963
pull
Entries 63
Mean −723
Std Dev 0
pull1D
Entries 63
Mean 1.421
Std Dev 1.445

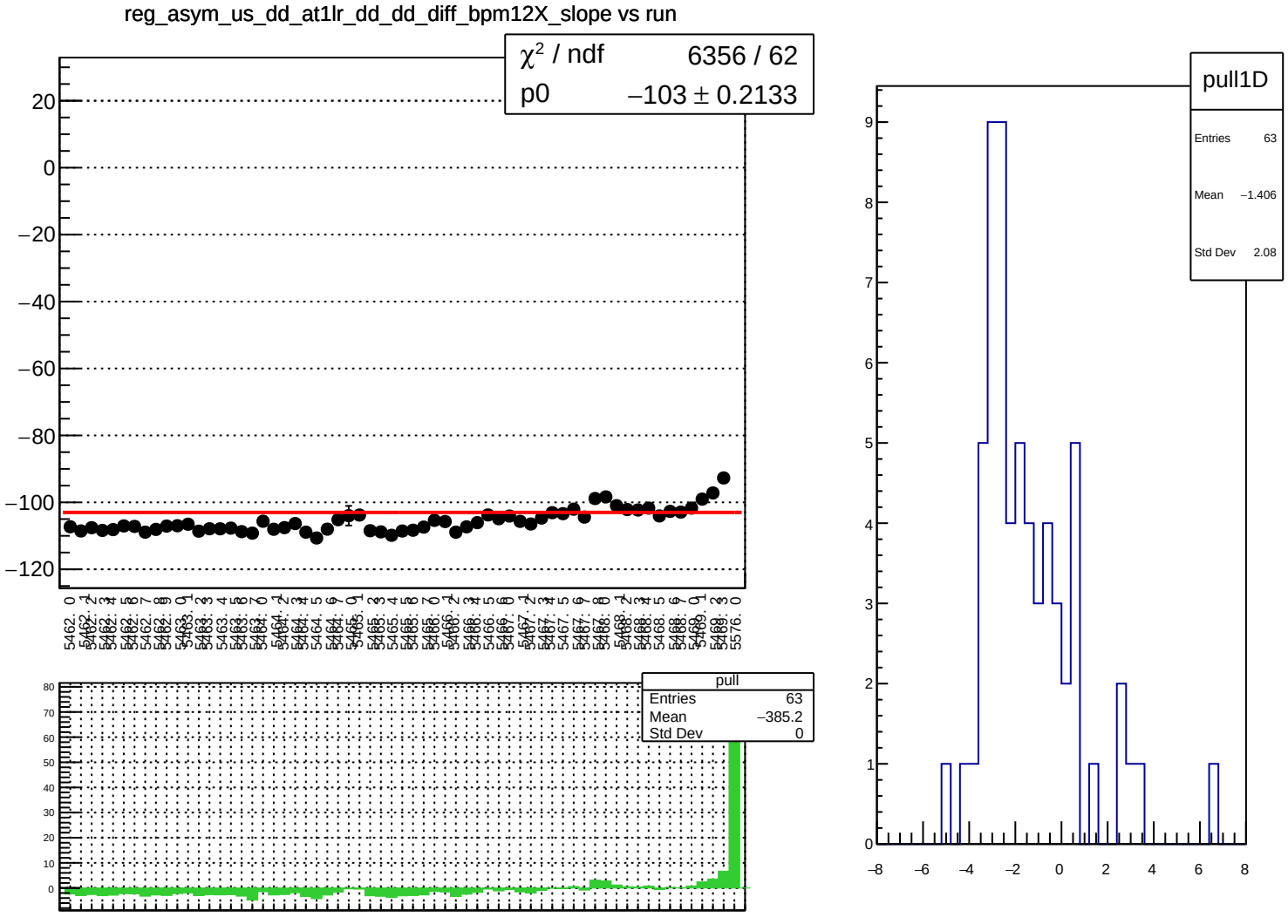

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 31.47 / 62
p0 −121.2 ± 6.475
pull
Entries 63
Mean −21.41
Std Dev 0

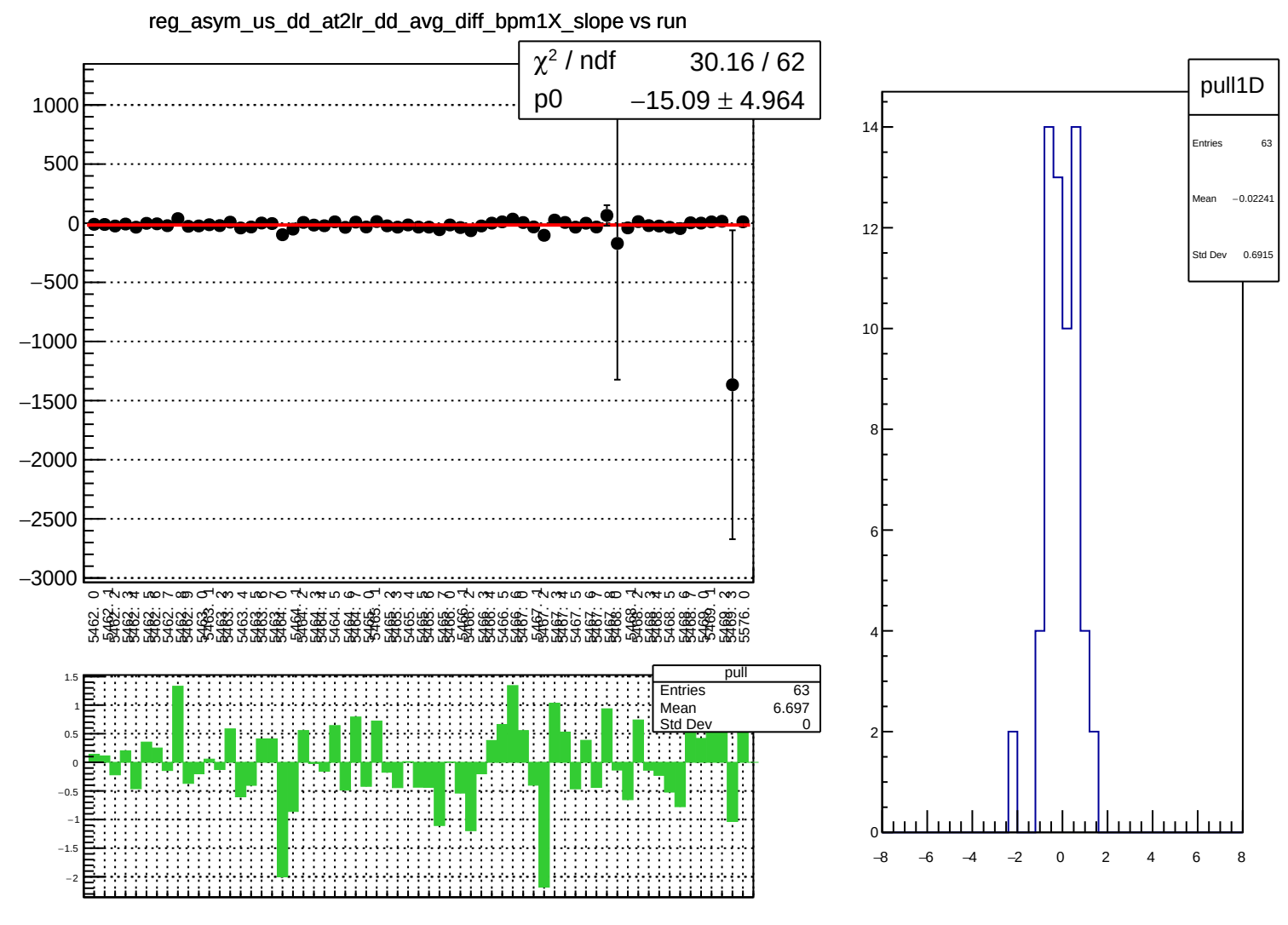

pull1D
Entries 63
Mean −0.05566
Std Dev 0.7045

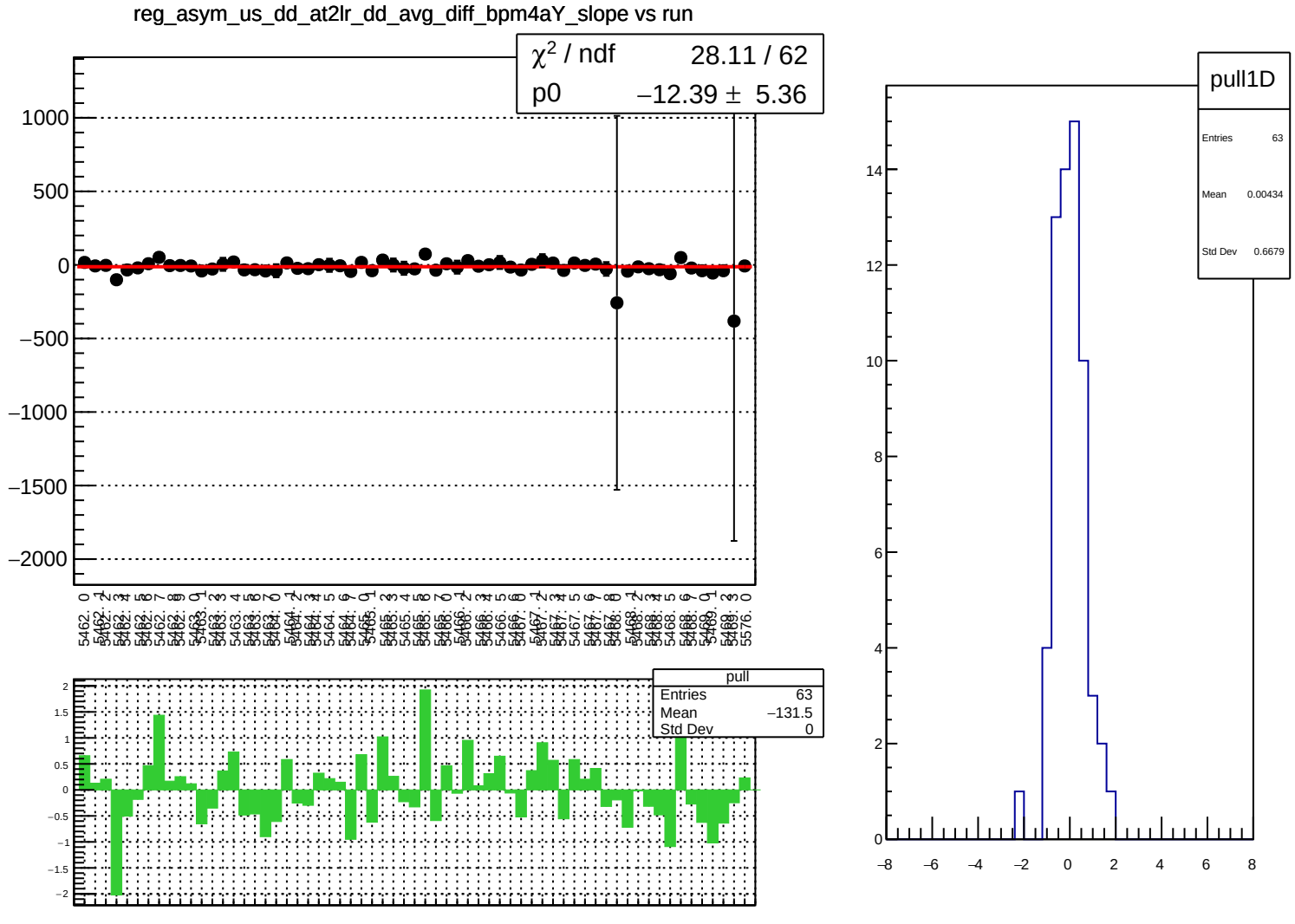

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.76 / 62
p0 28.46 ± 6.704
pull
Entries 63
Mean 10.71
Std Dev 0
pull1D
Entries 63
Mean 0.03633
Std Dev 0.4659

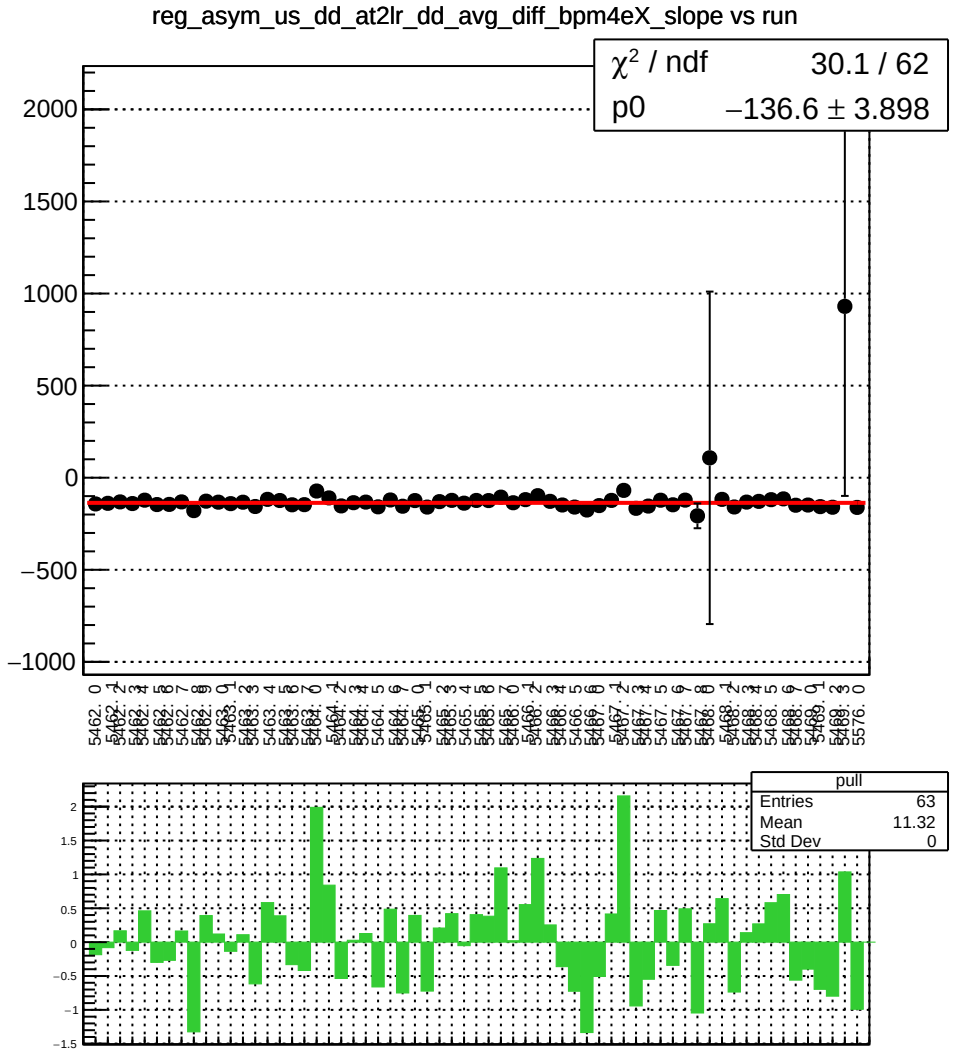

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.68 / 62
p0 25.46 ± 5.079
pull
Entries 63
Mean −23.43
Std Dev 0
pull1D
Entries 63
Mean 0.08339
Std Dev 0.9448

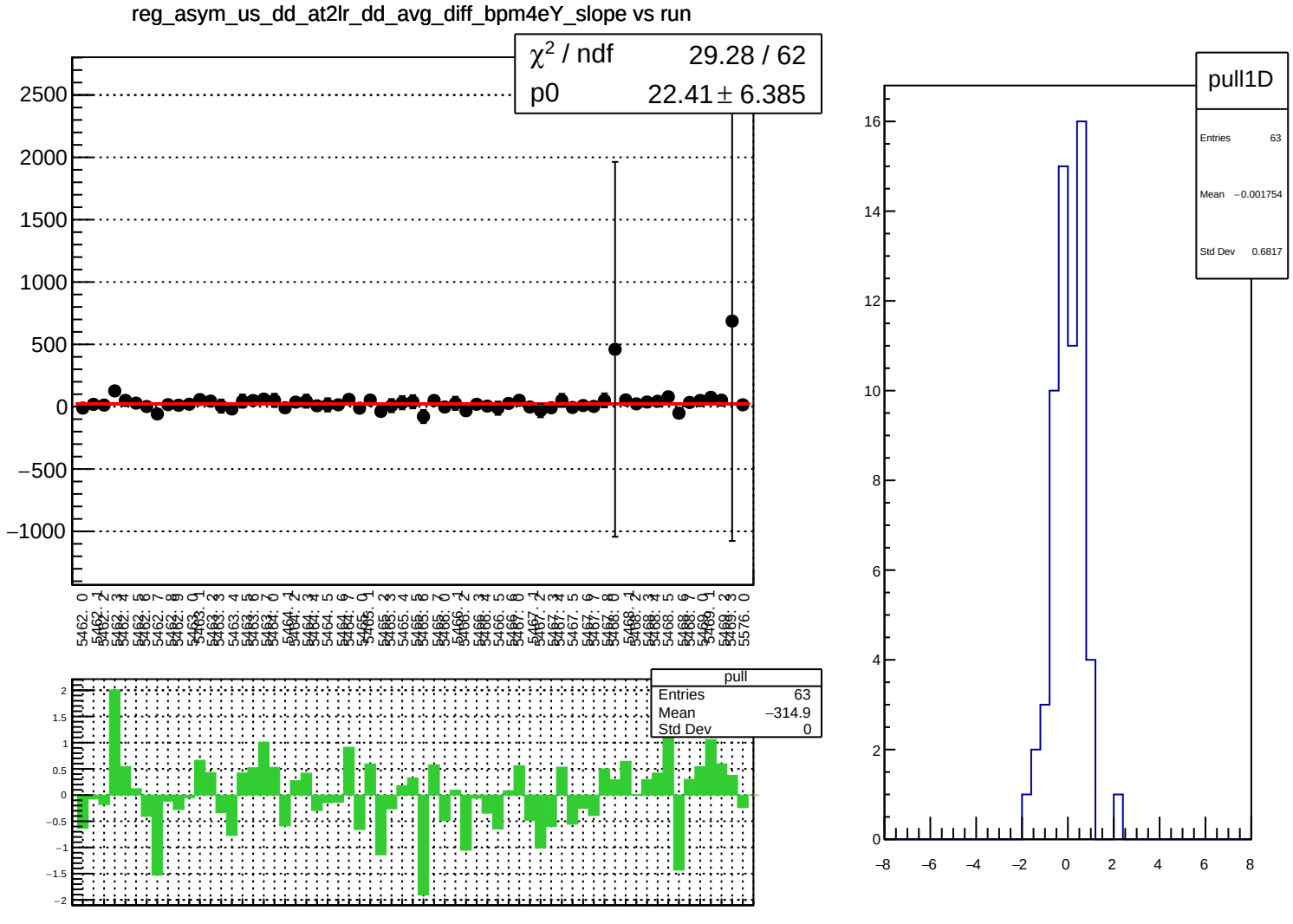

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.82 / 62
p0 6.769 ± 8.019
pull
Entries 63
Mean 947.7
Std Dev 0
pull1D
Entries 63
Mean −0.0003066
Std Dev 0.451

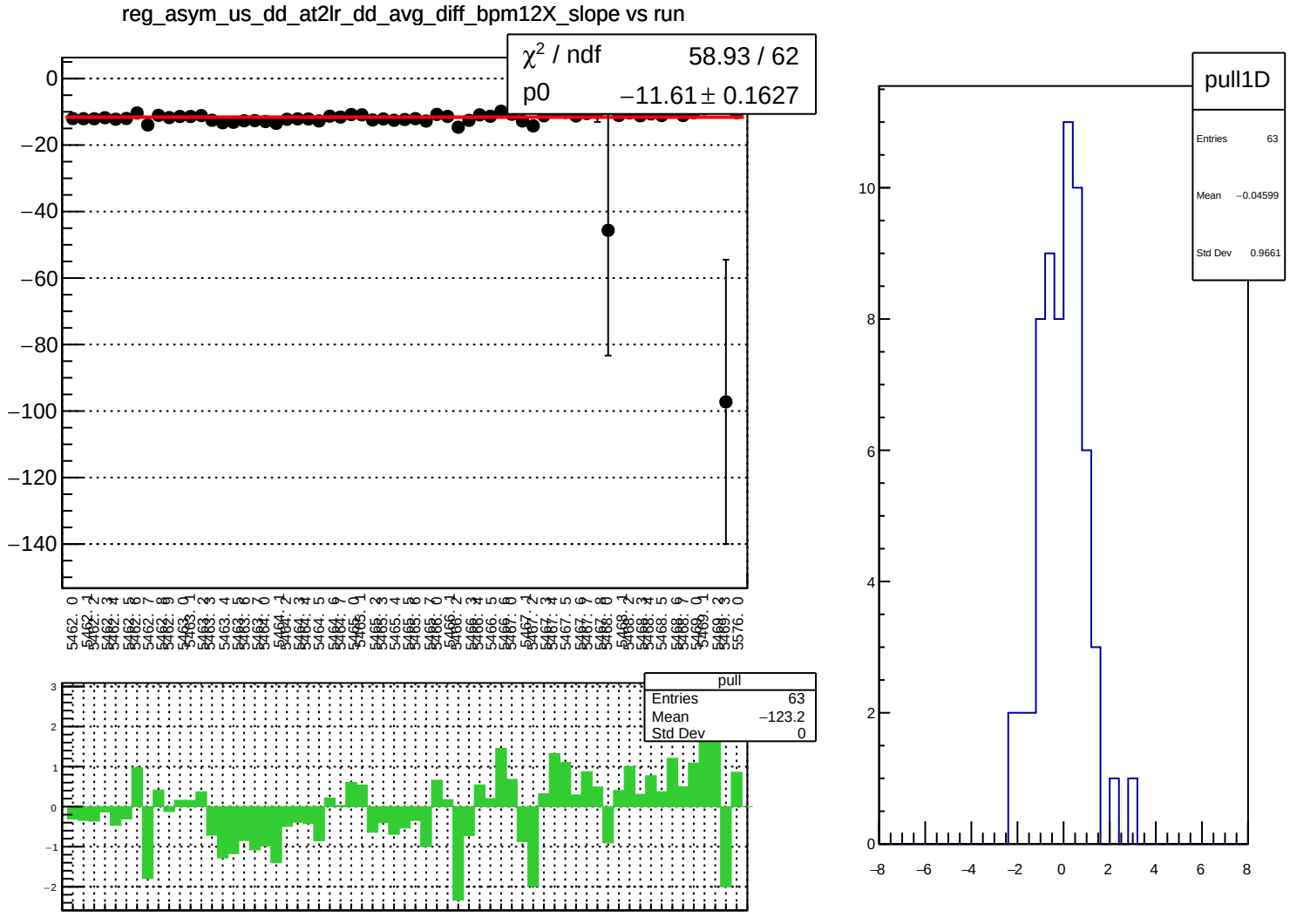

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6356 / 62
p0 −103 ± 0.2133
pull
Entries 63
Mean −385.2
Std Dev 0
pull1D
Entries 63
Mean −1.406
Std Dev 2.08

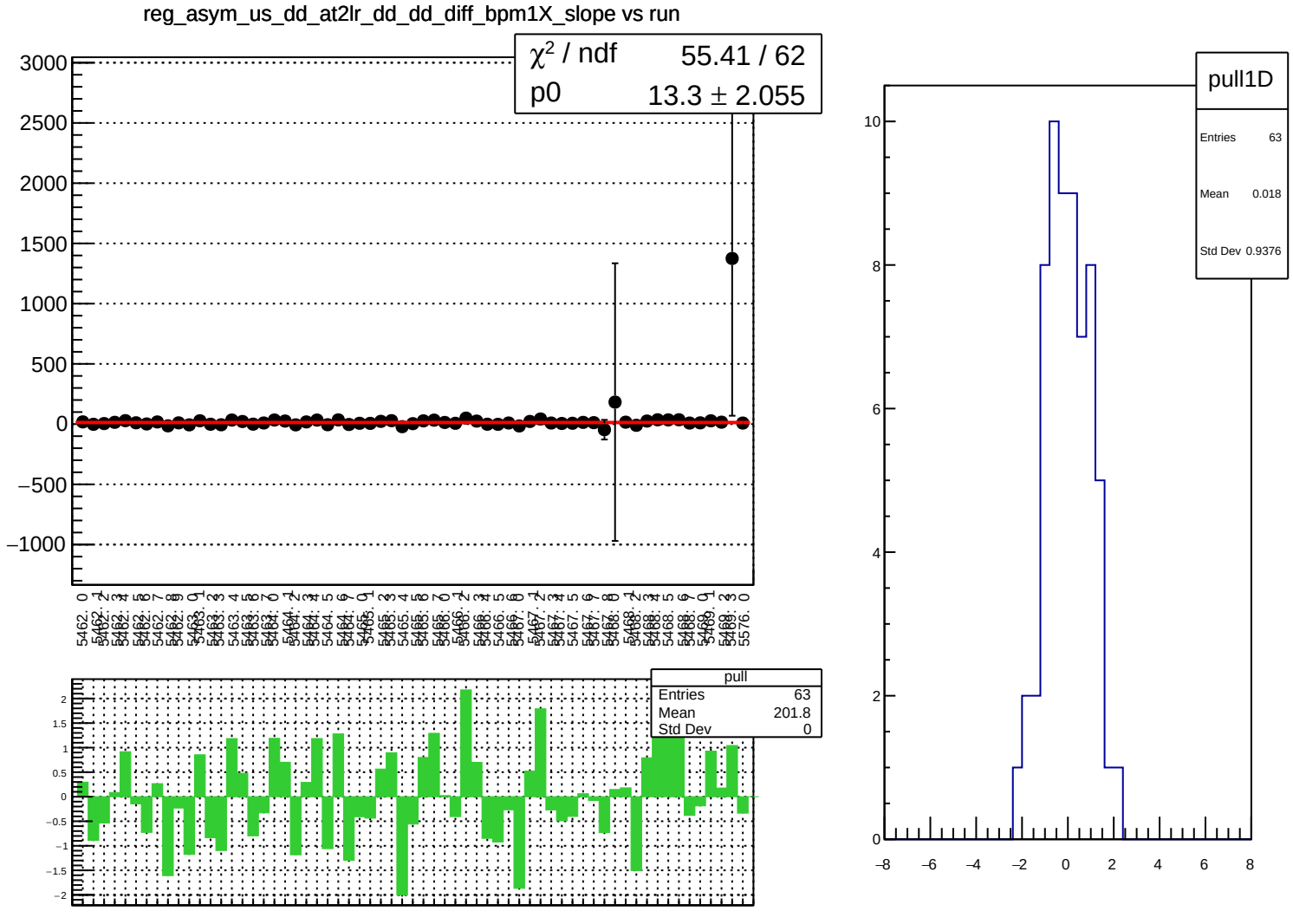

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 30.16 / 62
p0 −15.09 ± 4.964
pull
Entries 63
Mean 6.697
Std Dev 0
pull1D
Entries 63
Mean −0.02241
Std Dev 0.6915

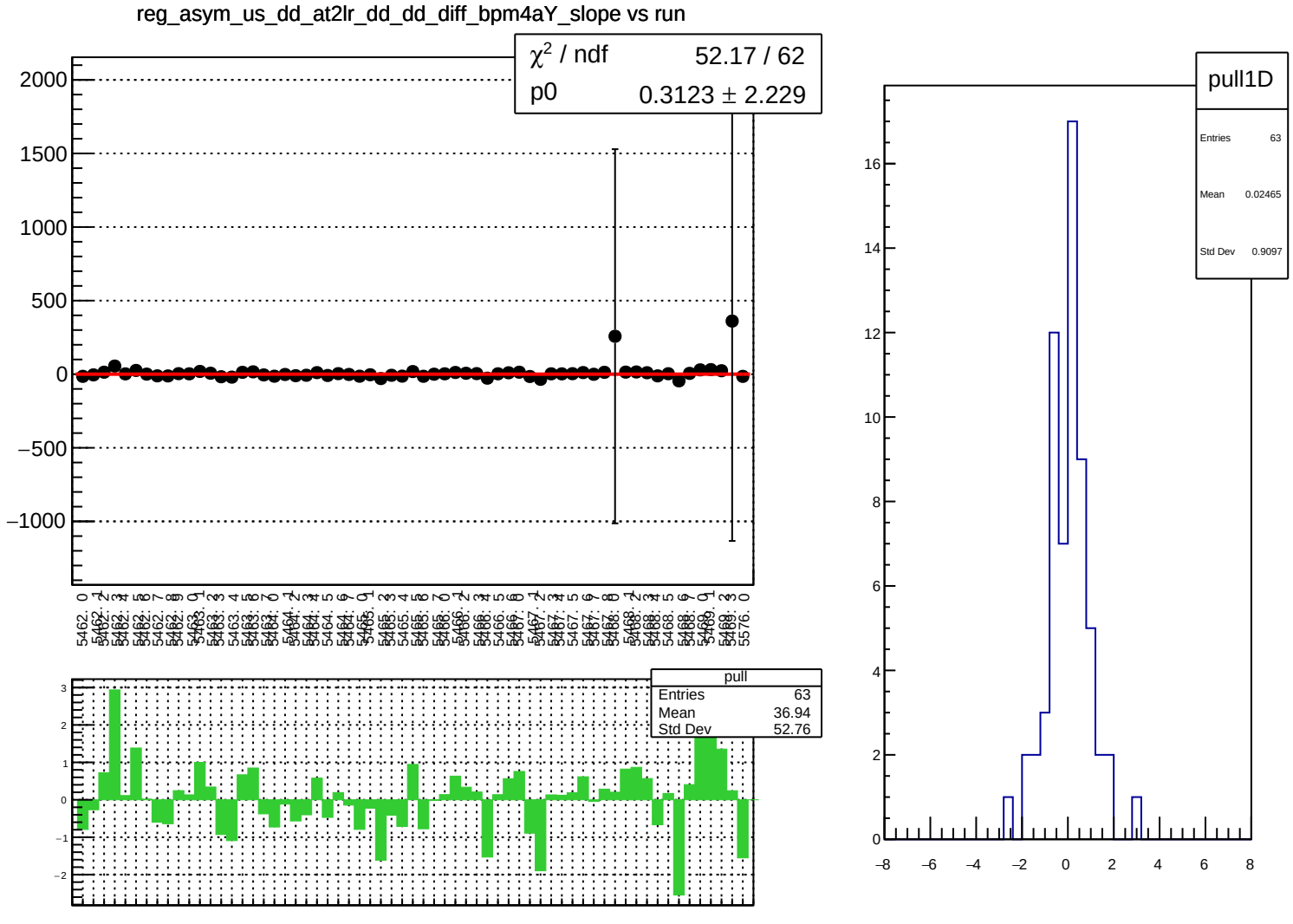

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.11 / 62
p0 −12.39 ± 5.36
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 63
Mean −131.5
Std Dev 0
pull1D
Entries 63
Mean 0.00434
Std Dev 0.6679
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

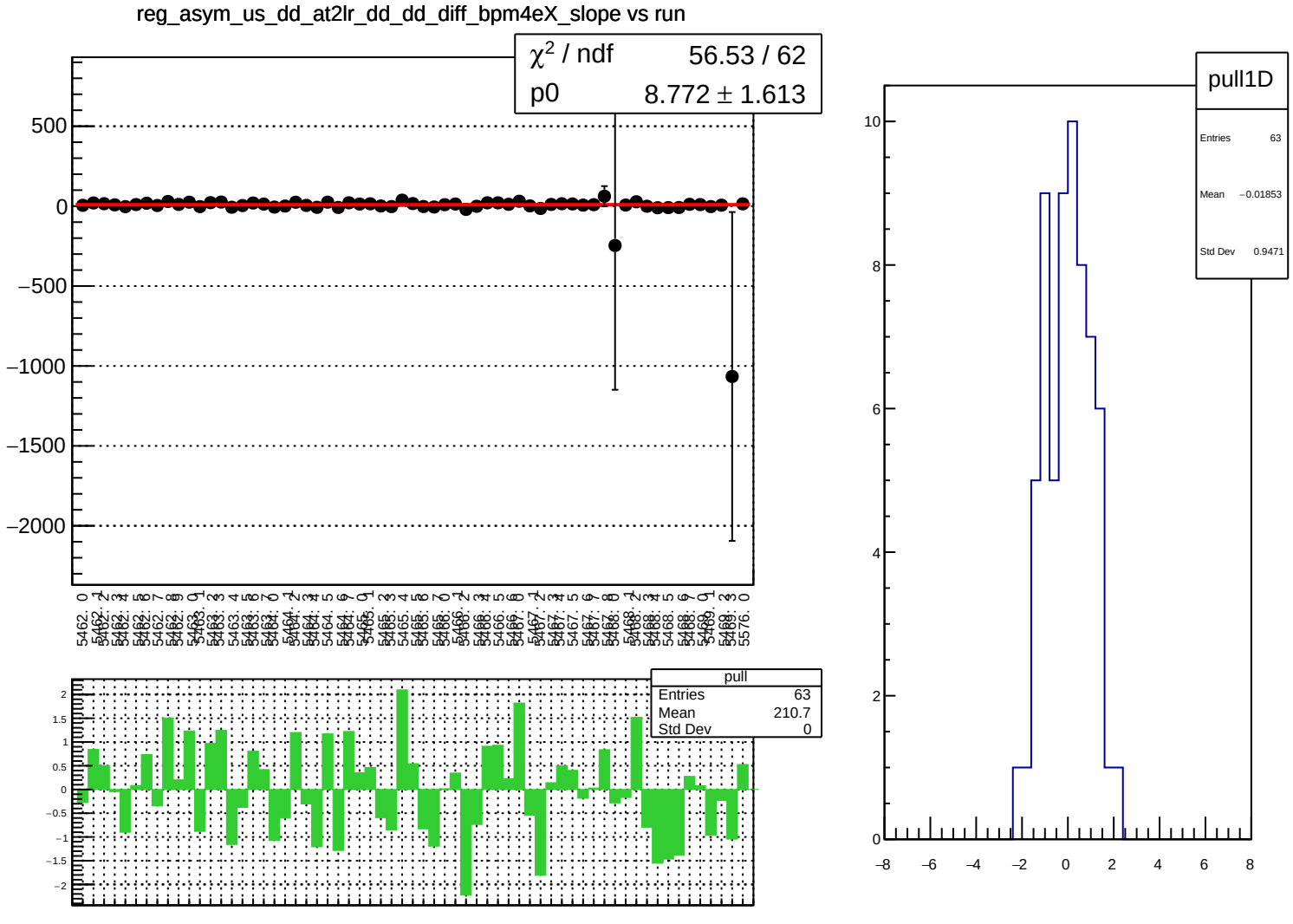

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.1 / 62
p0 −136.6 ± 3.898
pull
Entries 63
Mean 11.32
Std Dev 0
pull1D
Entries 63
Mean 0.02404
Std Dev 0.6908

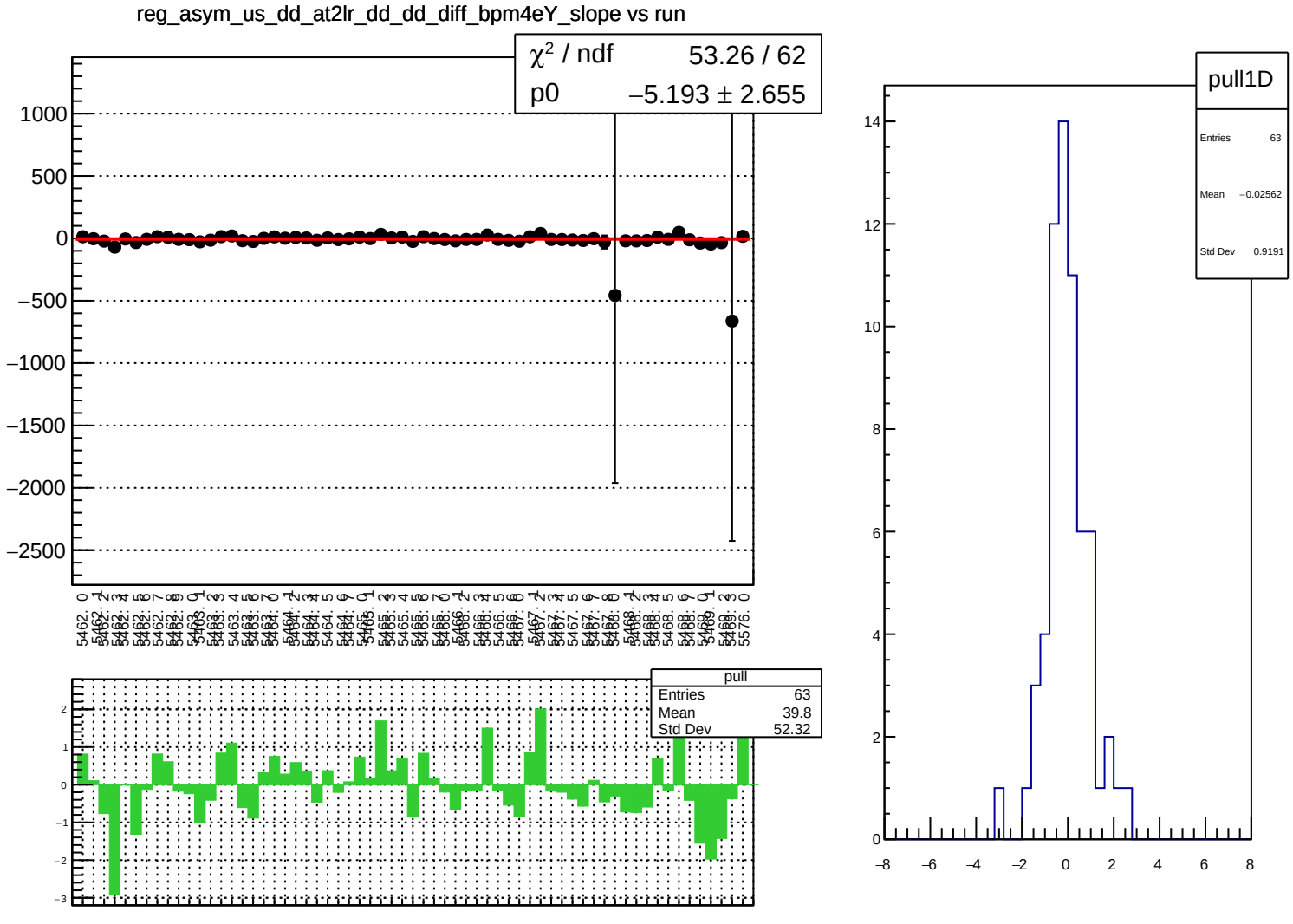

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.28 / 62
p0 22.41 ± 6.385
pull
Entries 63
Mean −314.9
Std Dev 0
pull1D
Entries 63
Mean −0.001754
Std Dev 0.6817

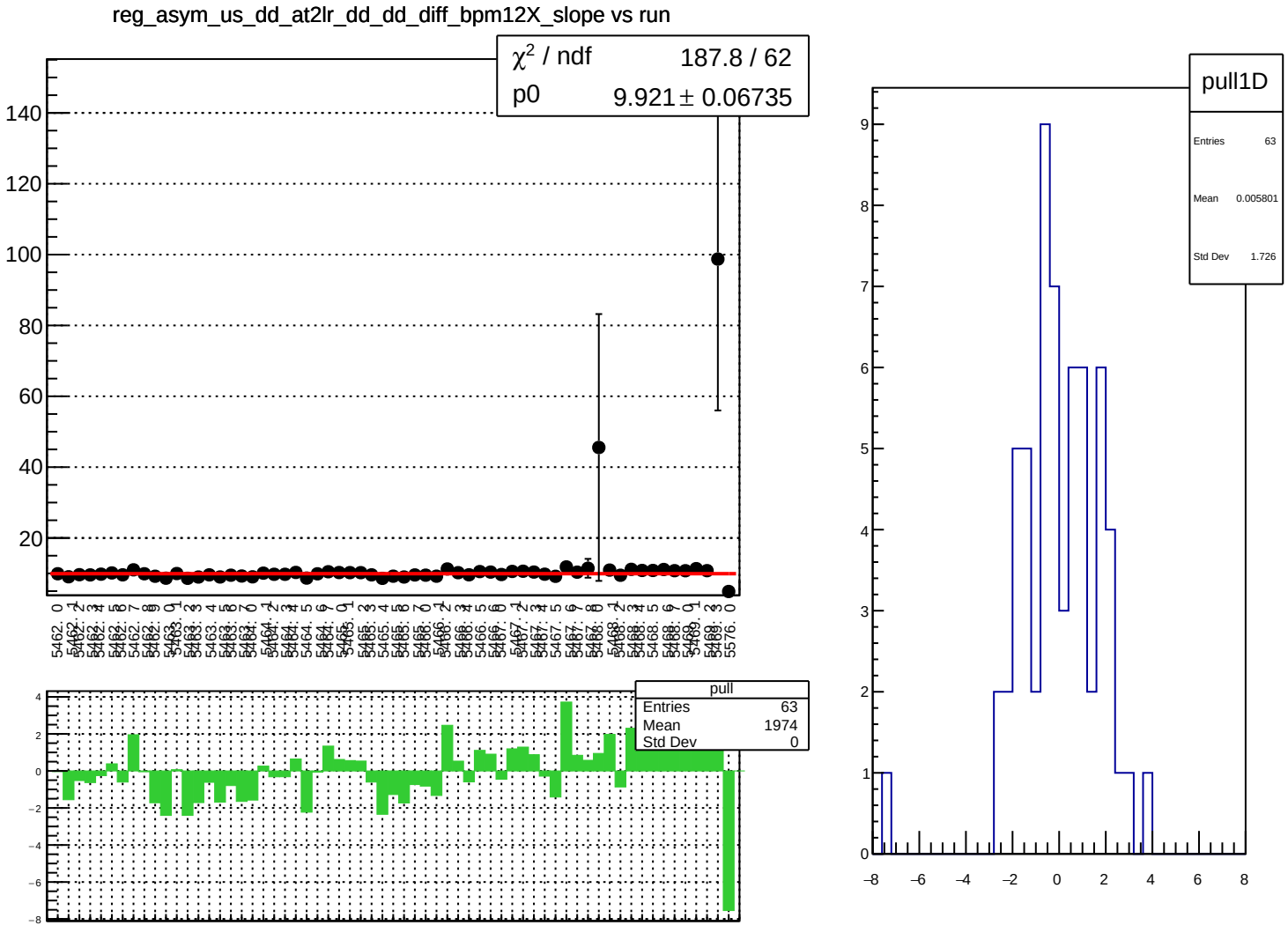

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 58.93 / 62
p0 −11.61 ± 0.1627
pull
Entries 63
Mean −123.2
Std Dev 0
pull1D
Entries 63
Mean −0.04599
Std Dev 0.9661

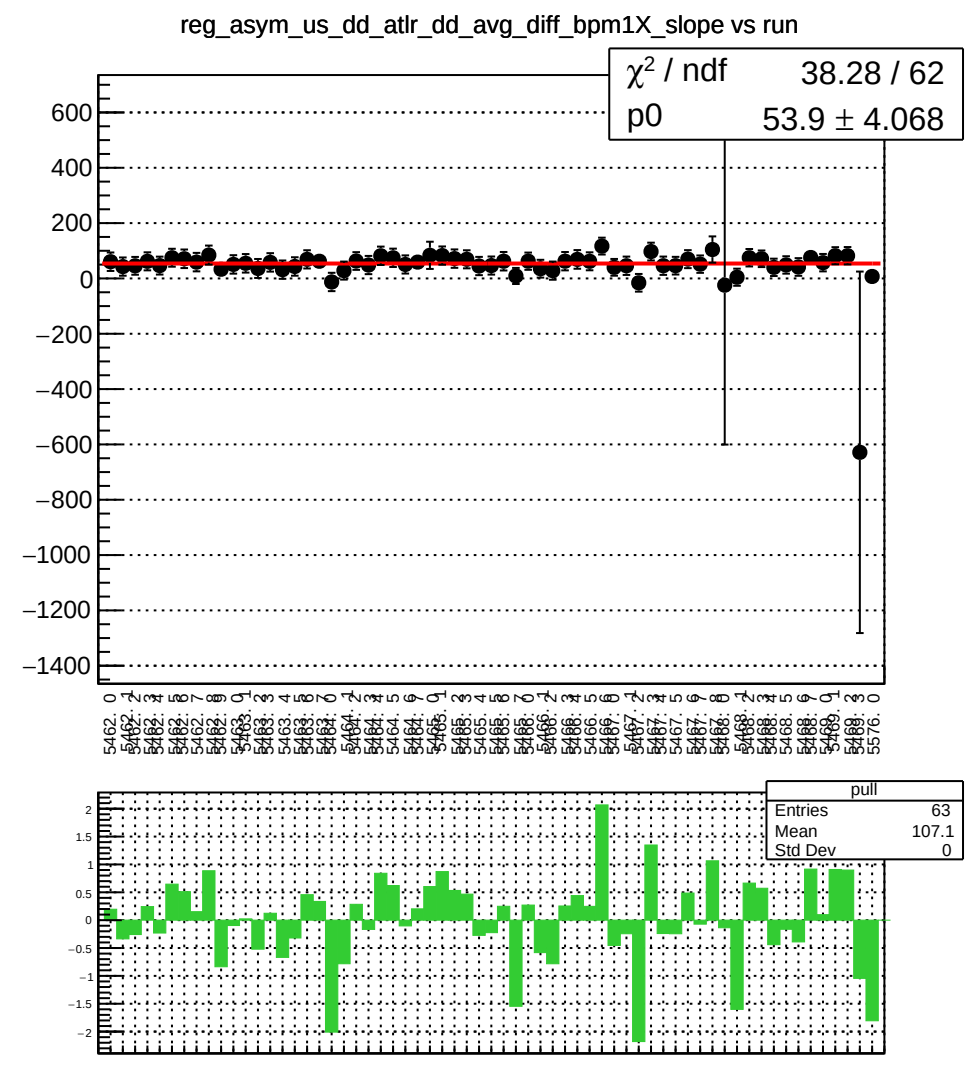

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 55.41 / 62
p0 13.3 ± 2.055
pull
Entries 63
Mean 201.8
Std Dev 0
pull1D
Entries 63
Mean 0.018
Std Dev 0.9376

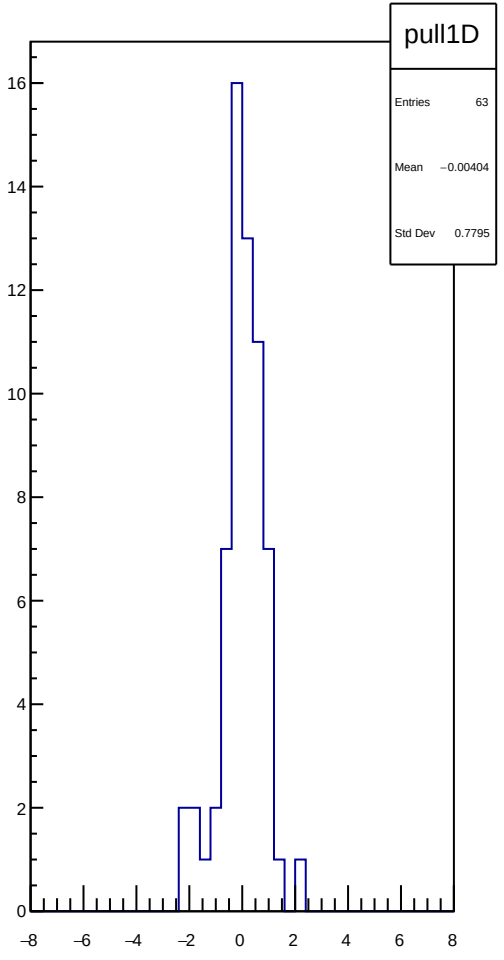

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.17 / 62
p0 0.3123 ± 2.229
pull
Entries 63
Mean 36.94
Std Dev 52.76
pull1D
Entries 63
Mean 0.02465
Std Dev 0.9097

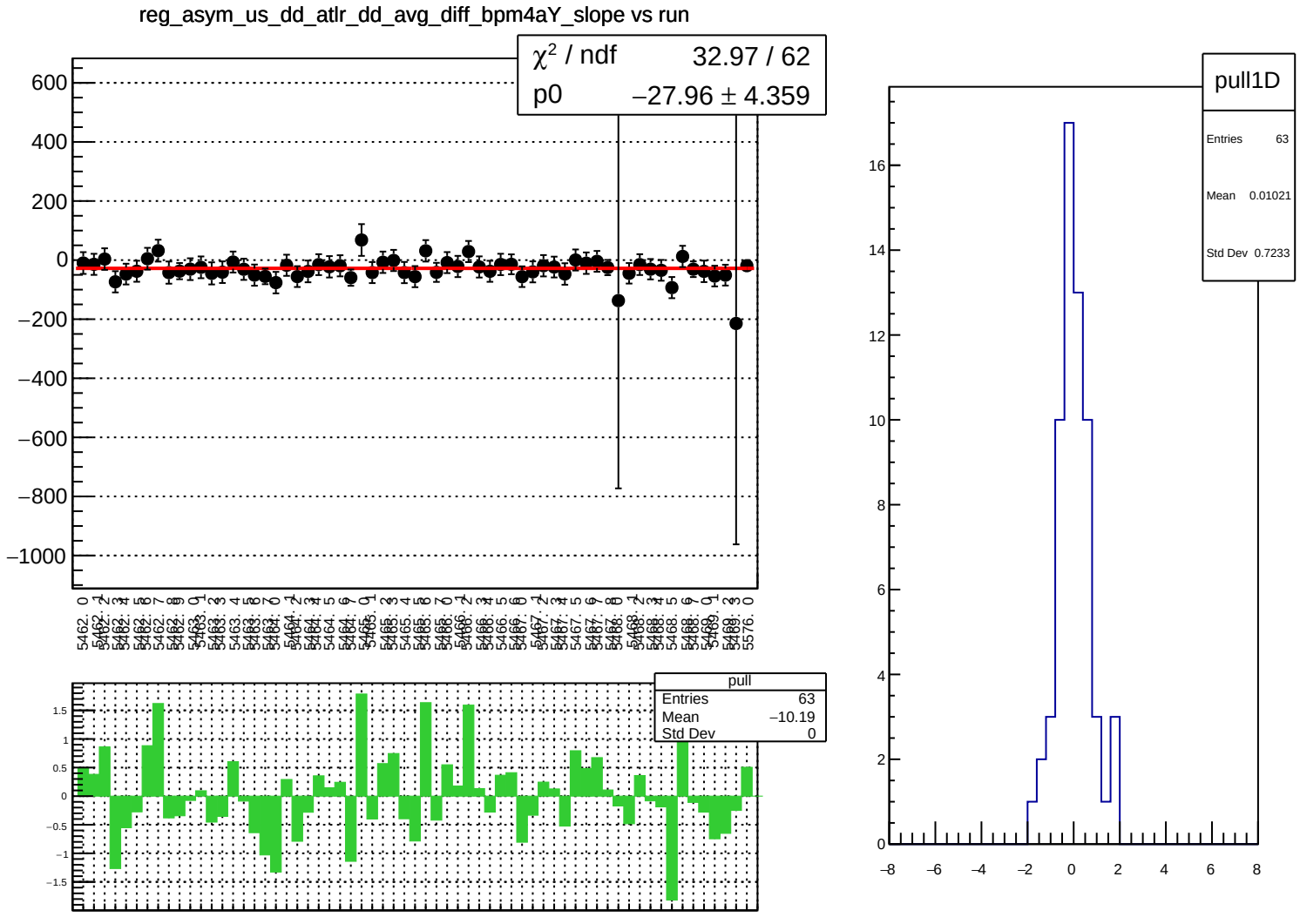

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.53 / 62
p0 8.772 ± 1.613
pull
Entries 63
Mean 210.7
Std Dev 0
pull1D
Entries 63
Mean −0.01853
Std Dev 0.9471

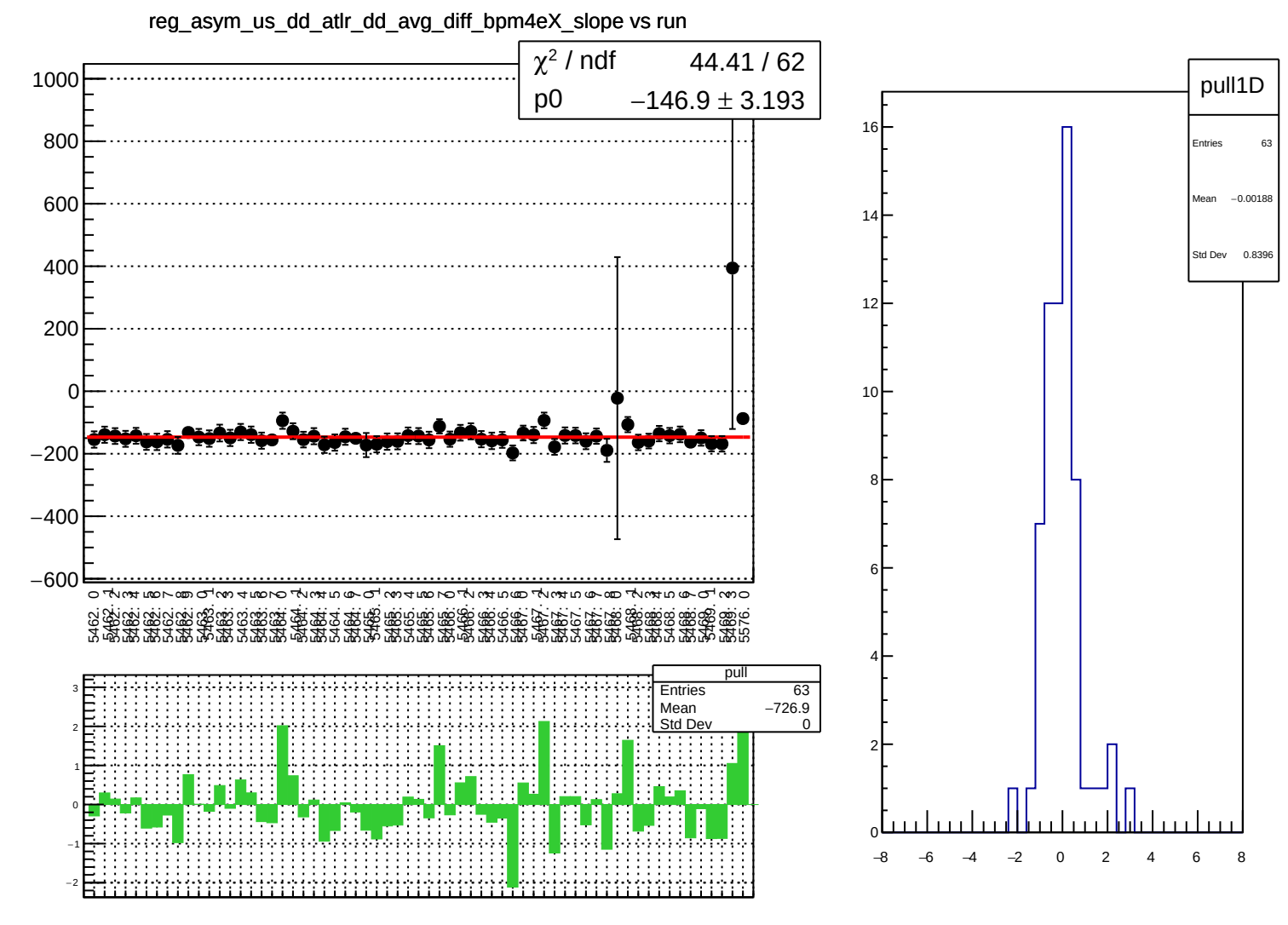

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.26 / 62
p0 −5.193 ± 2.655
pull
Entries 63
Mean 39.8
Std Dev 52.32
pull1D
Entries 63
Mean −0.02562
Std Dev 0.9191

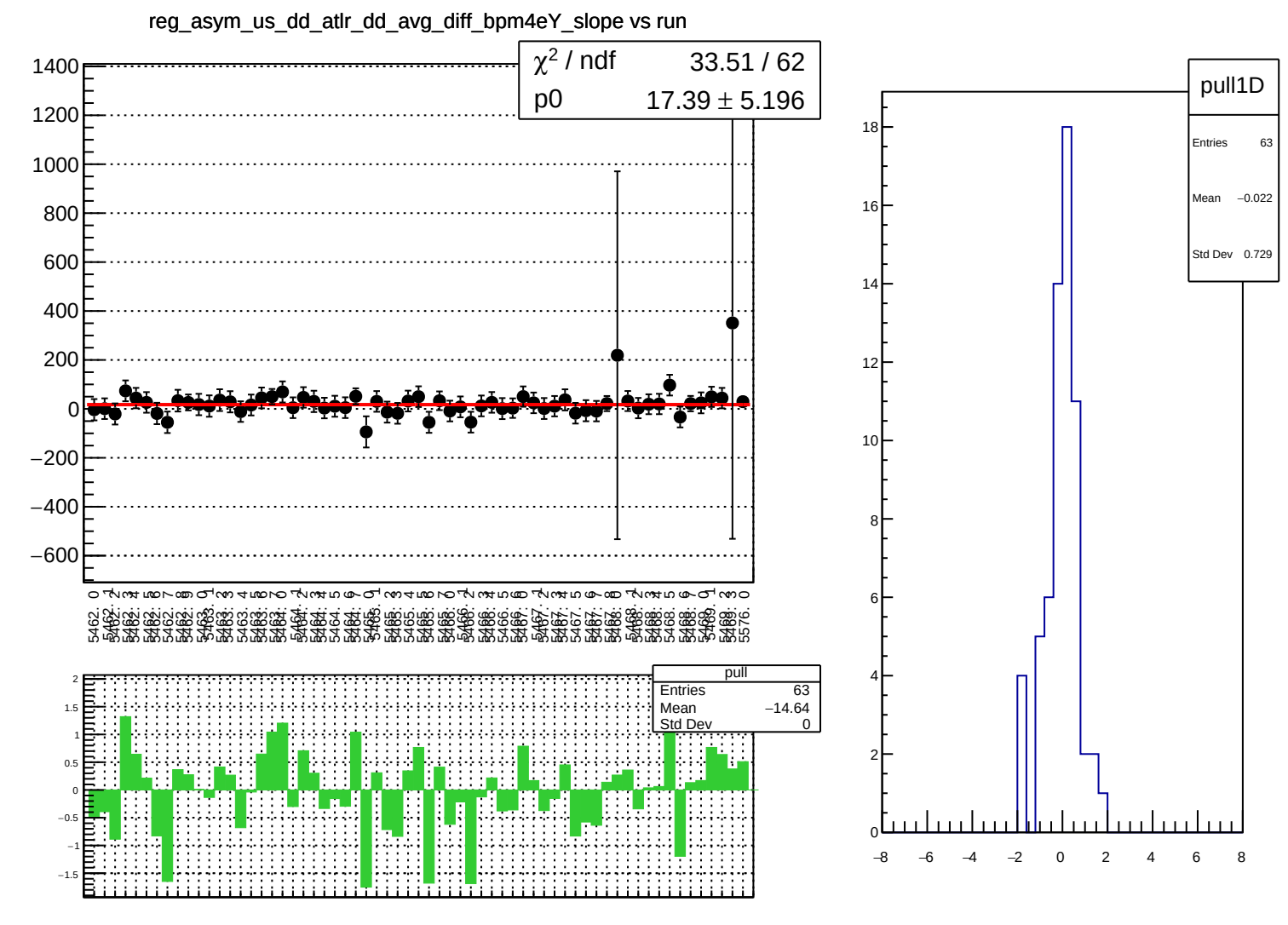

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 187.8 / 62
p0 9.921 ± 0.06735
140
120
100
80
60
40
20
pull
Entries 63
Mean 1974
Std Dev 0
4
2
0
−2
−4
−6
−8
pull1D
Entries 63
Mean 0.005801
Std Dev 1.726
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

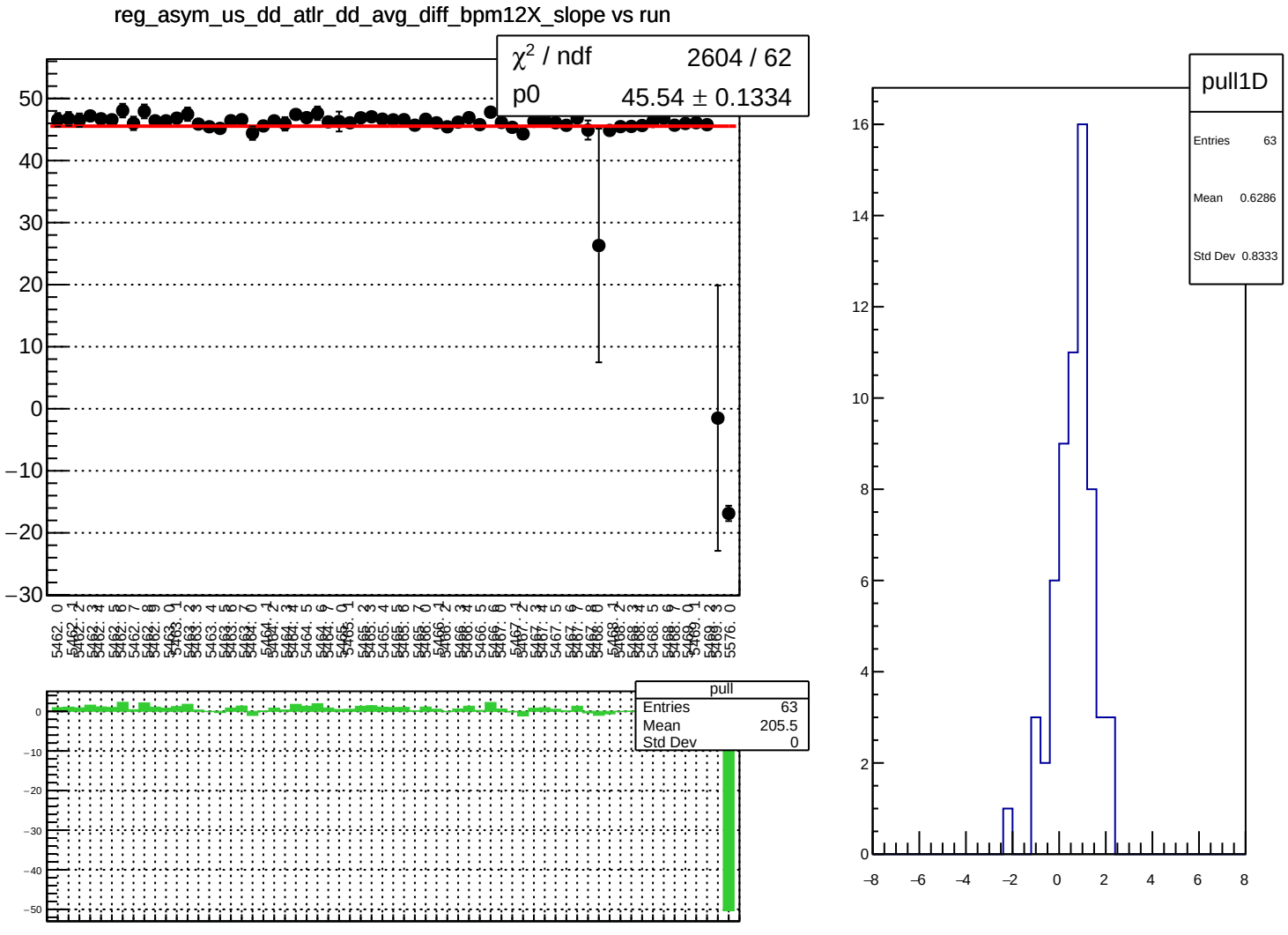

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 38.28 / 62
p0 53.9 ± 4.068
pull
Entries 63
Mean 107.1
Std Dev 0

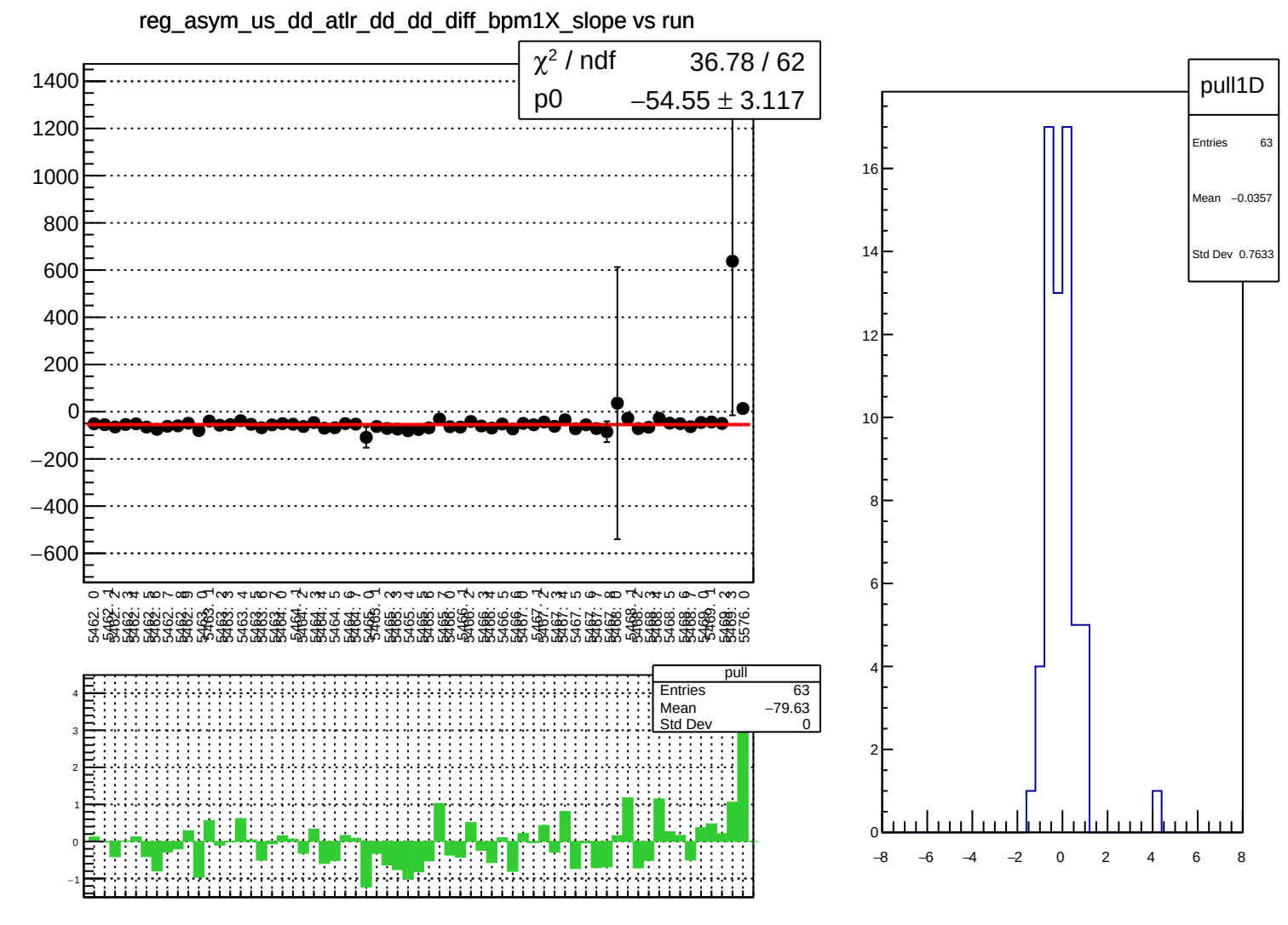

pull1D
Entries 63
Mean −0.00404
Std Dev 0.7795

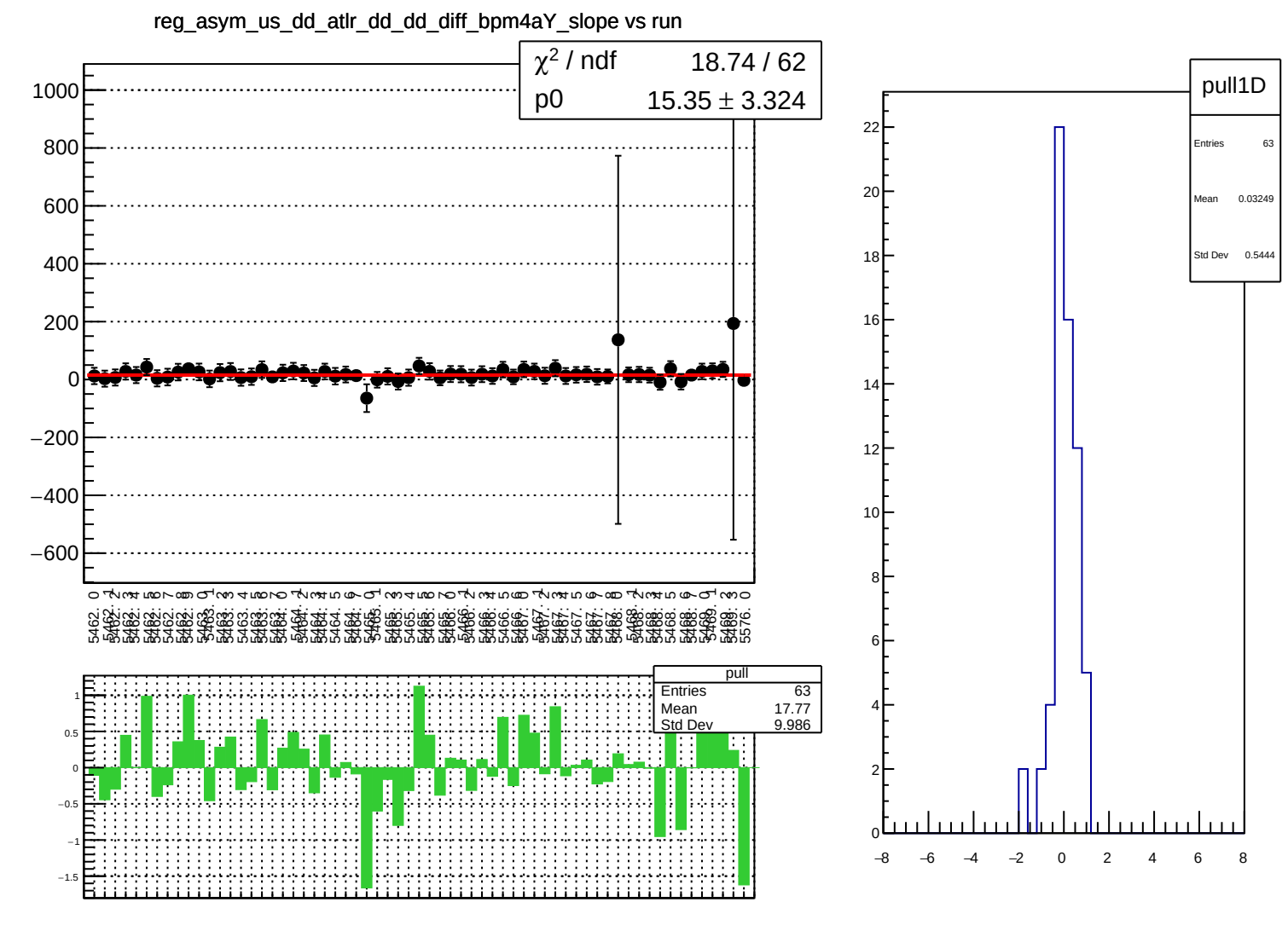

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.97 / 62
p0 −27.96 ± 4.359
pull
Entries 63
Mean −10.19
Std Dev 0
pull1D
Entries 63
Mean 0.01021
Std Dev 0.7233

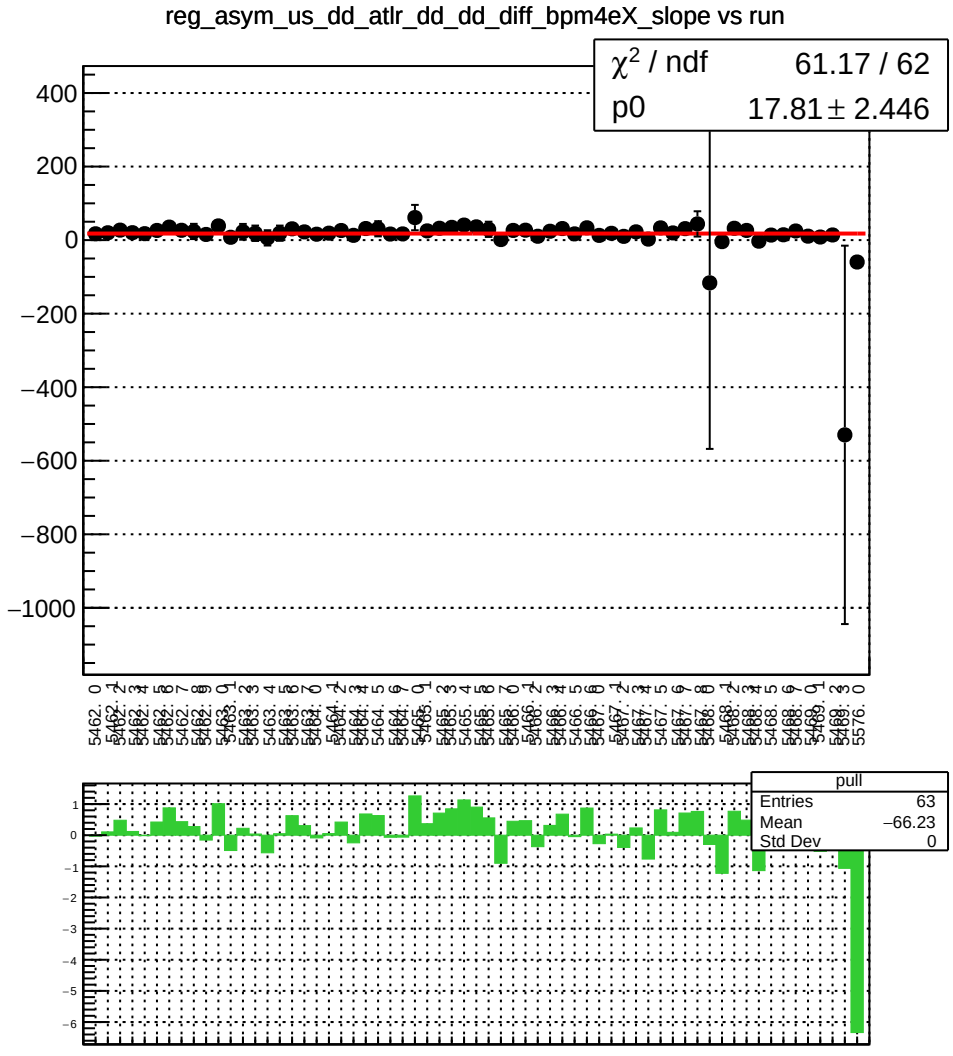

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.41 / 62
p0 −146.9 ± 3.193
pull
Entries 63
Mean −726.9
Std Dev 0
pull1D
Entries 63
Mean −0.00188
Std Dev 0.8396

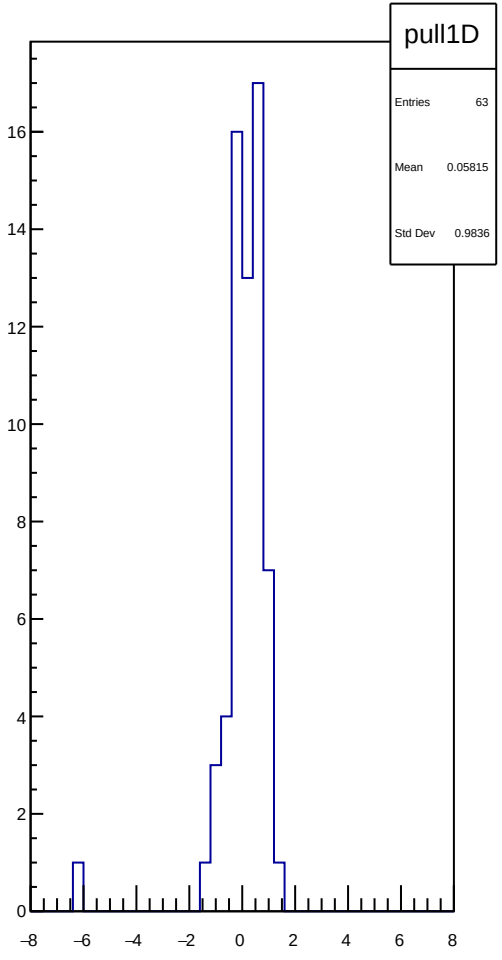

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.51 / 62
p0 17.39 ± 5.196
pull
Entries 63
Mean −14.64
Std Dev 0
pull1D
Entries 63
Mean −0.022
Std Dev 0.729

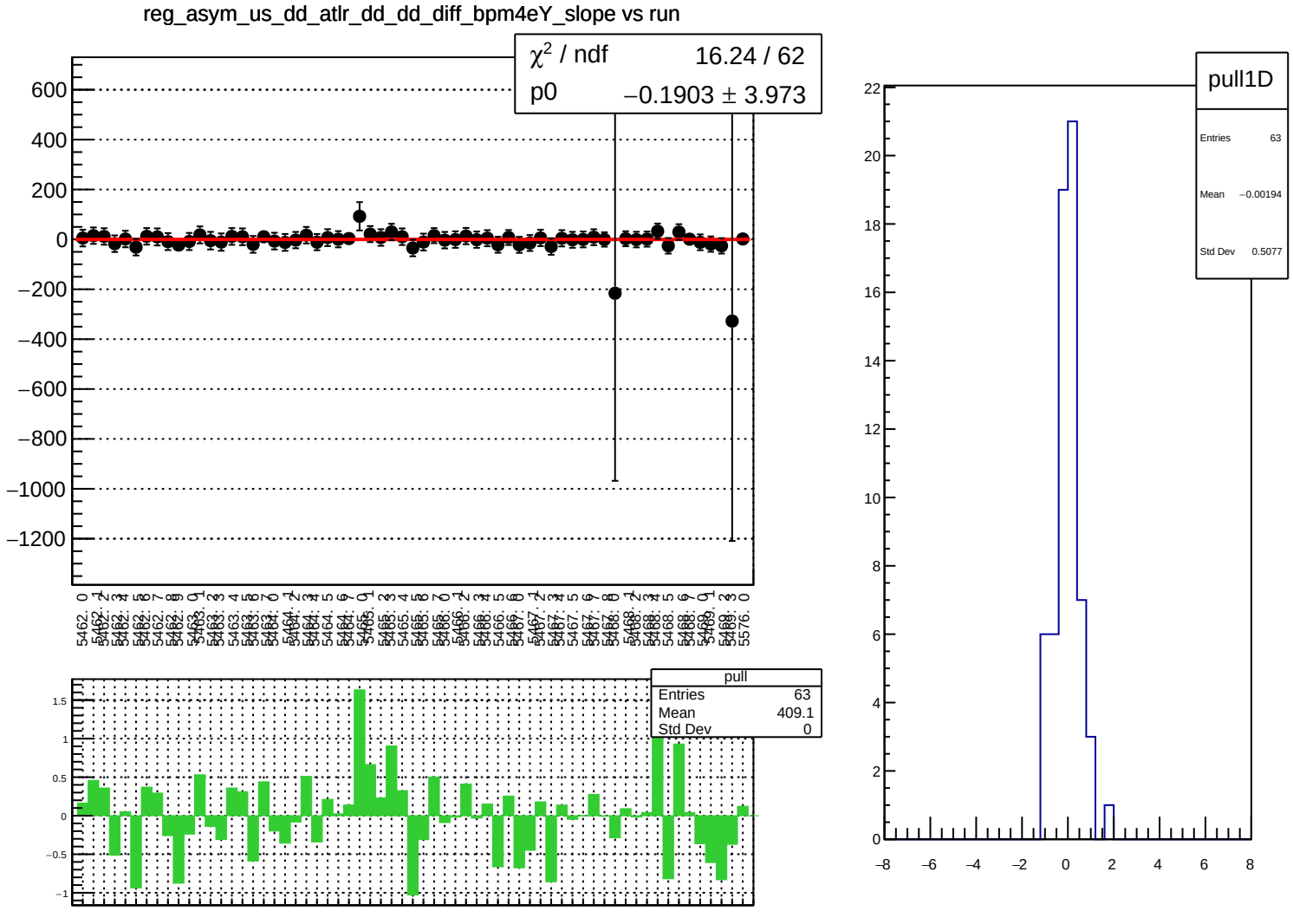

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 2604 / 62
p0 45.54 ± 0.1334
pull
Entries 63
Mean 205.5
Std Dev 0
pull1D
Entries 63
Mean 0.6286
Std Dev 0.8333

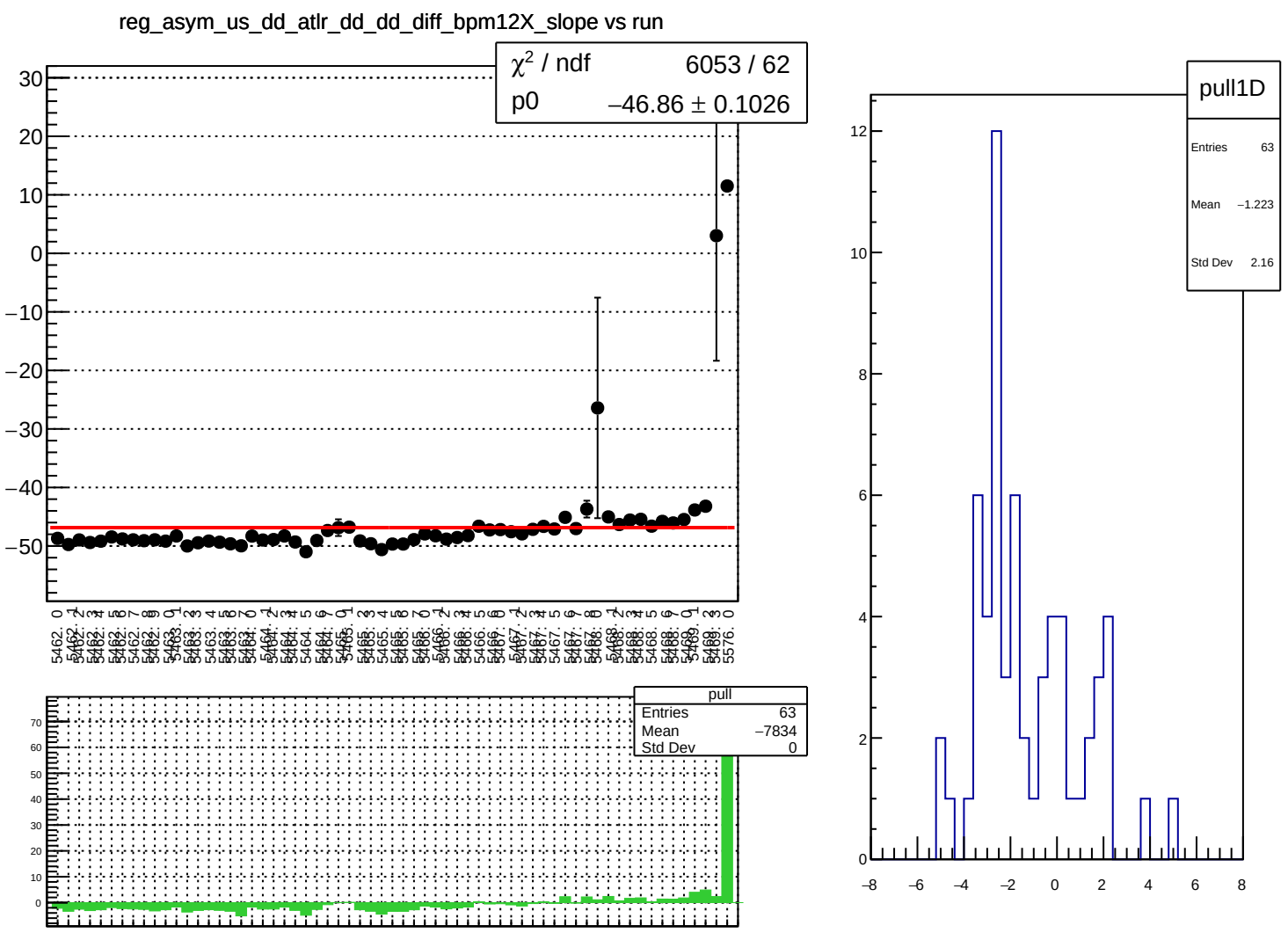

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 36.78 / 62
p0 −54.55 ± 3.117
pull
Entries 63
Mean −79.63
Std Dev 0
pull1D
Entries 63
Mean −0.0357
Std Dev 0.7633

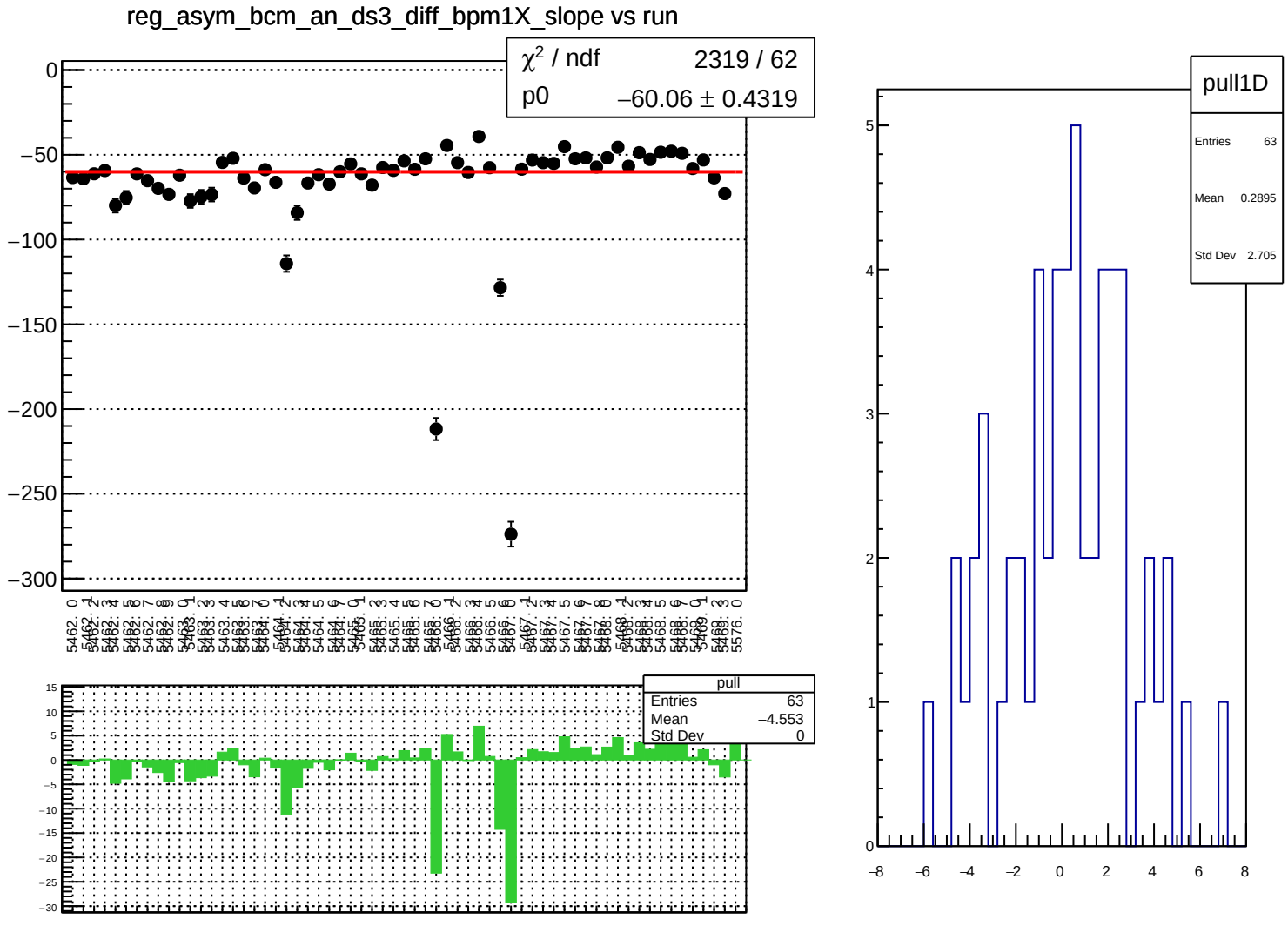

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.74 / 62
p0 15.35 ± 3.324
pull
Entries 63
Mean 17.77
Std Dev 9.986
pull1D
Entries 63
Mean 0.03249
Std Dev 0.5444

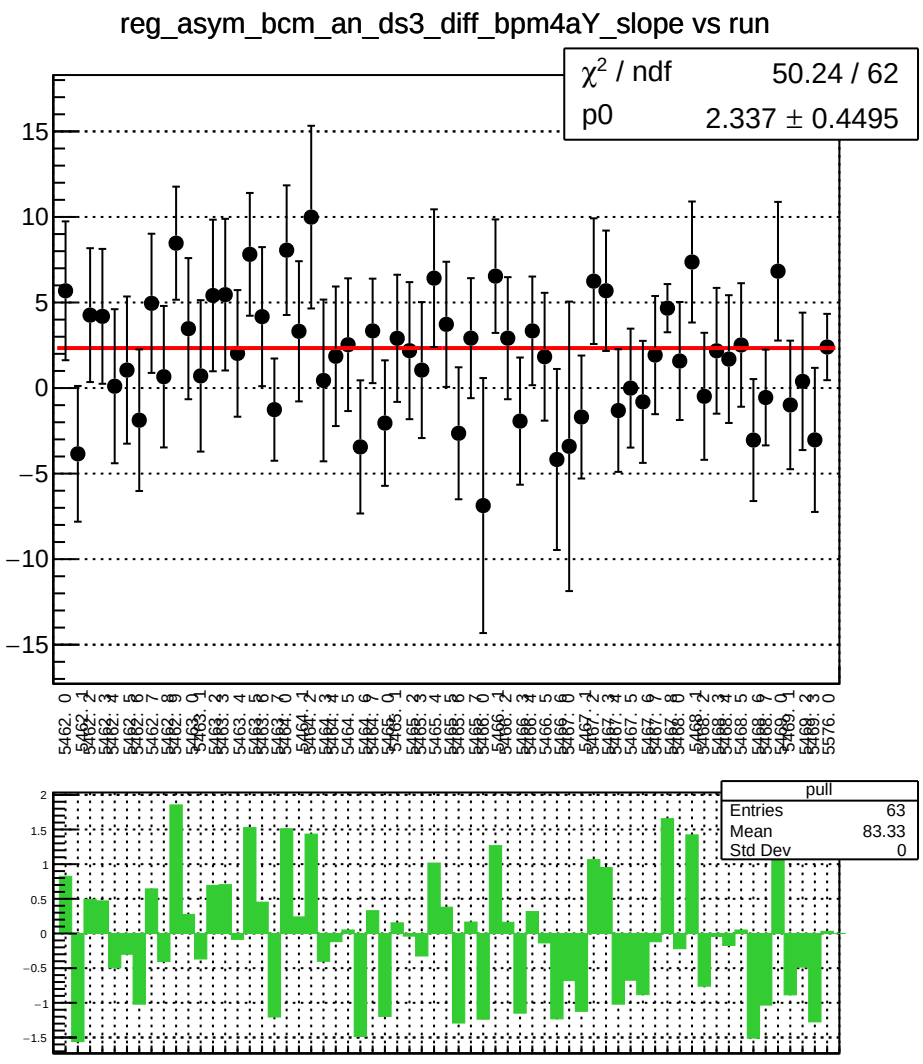

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.17 / 62
p0 17.81 ± 2.446
pull
Entries 63
Mean −66.23
Std Dev 0

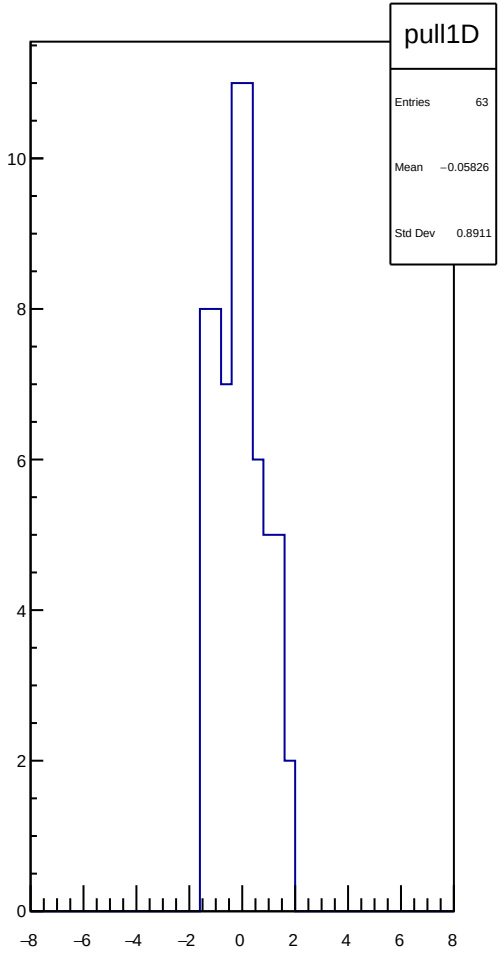

pull1D
Entries 63
Mean 0.05815
Std Dev 0.9836

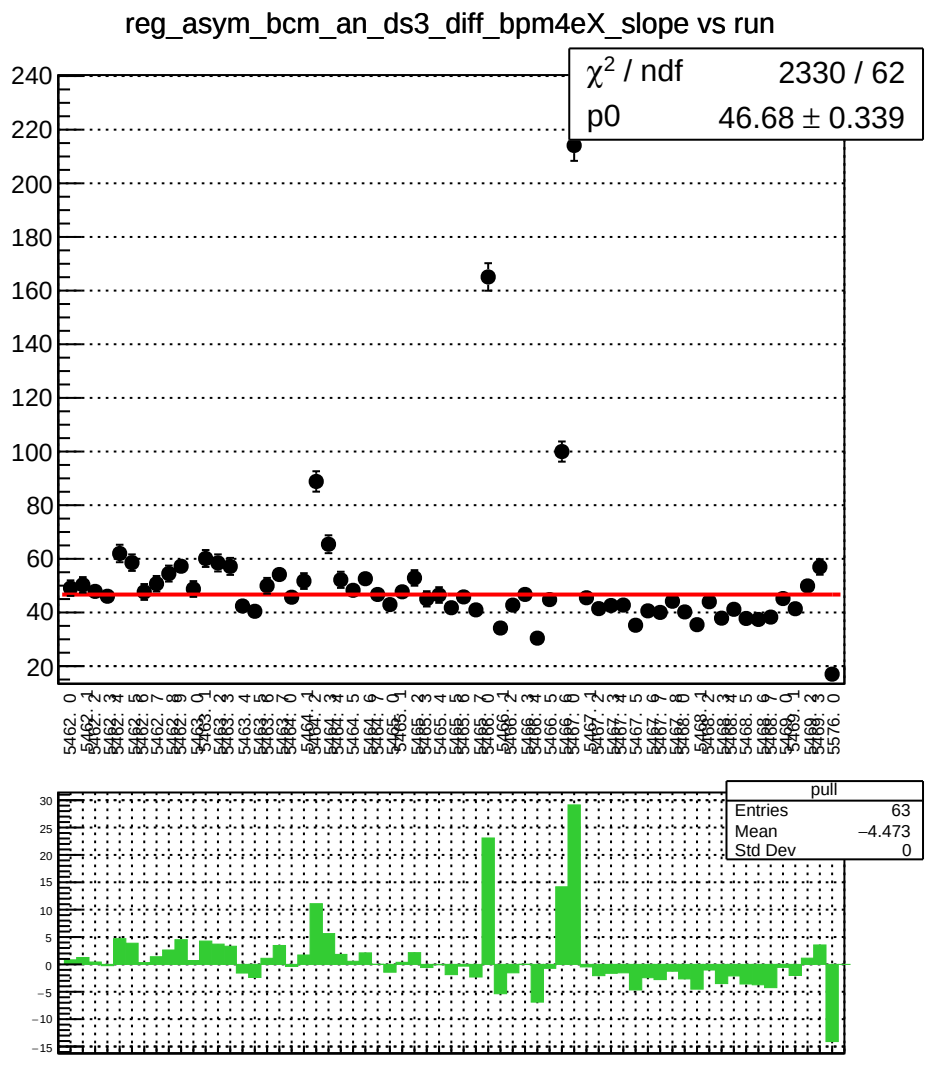

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.24 / 62
p0 −0.1903 ± 3.973
pull
Entries 63
Mean 409.1
Std Dev 0
pull1D
Entries 63
Mean −0.00194
Std Dev 0.5077

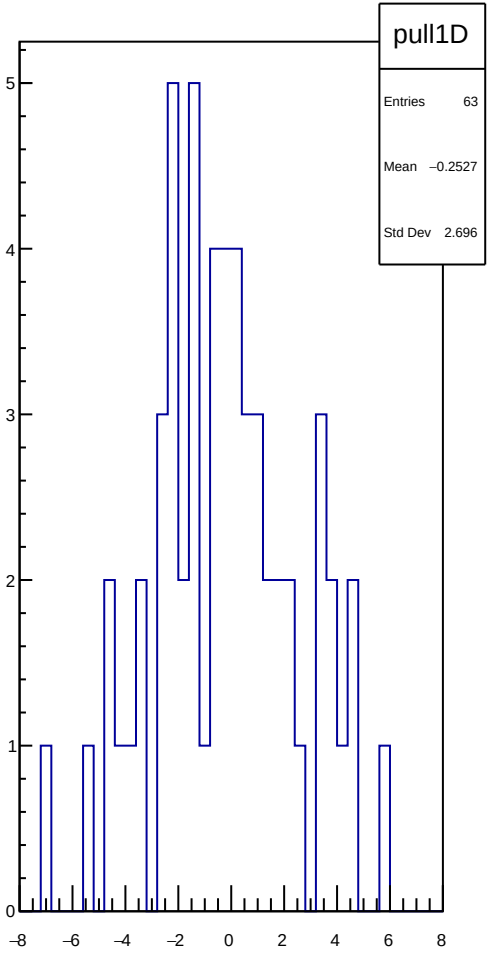

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6053 / 62
p0 −46.86 ± 0.1026
pull
Entries 63
Mean −7834
Std Dev 0
pull1D
Entries 63
Mean −1.223
Std Dev 2.16

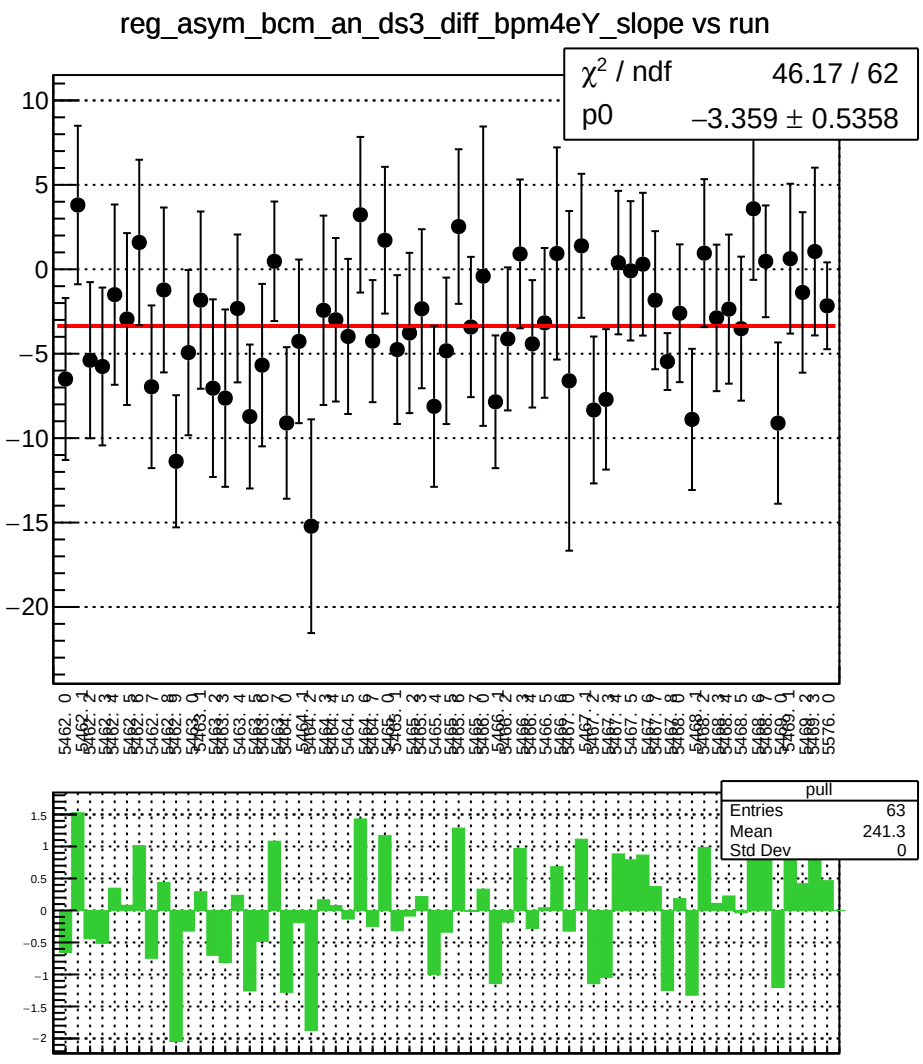

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2319 / 62
p0 −60.06 ± 0.4319
pull
Entries 63
Mean −4.553
Std Dev 0
pull1D
Entries 63
Mean 0.2895
Std Dev 2.705

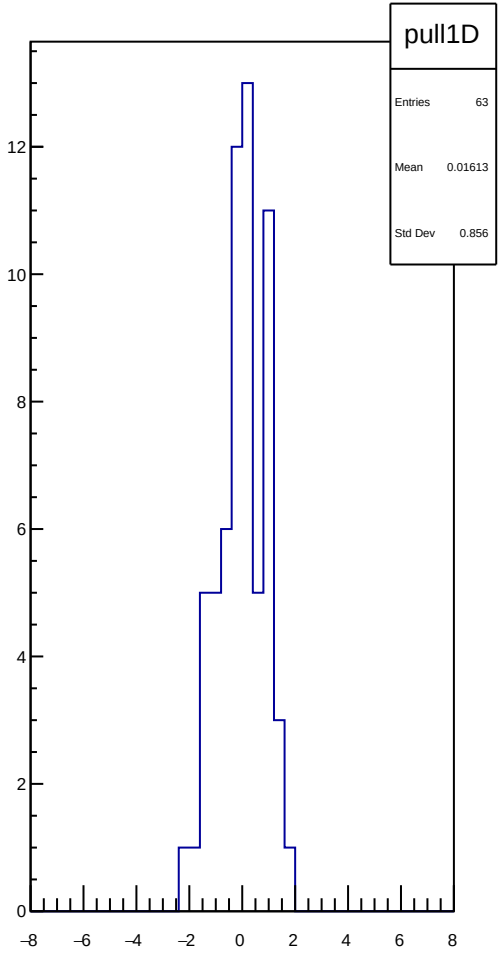

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 50.24 / 62
p0 2.337 ± 0.4495
pull
Entries 63
Mean 83.33
Std Dev 0

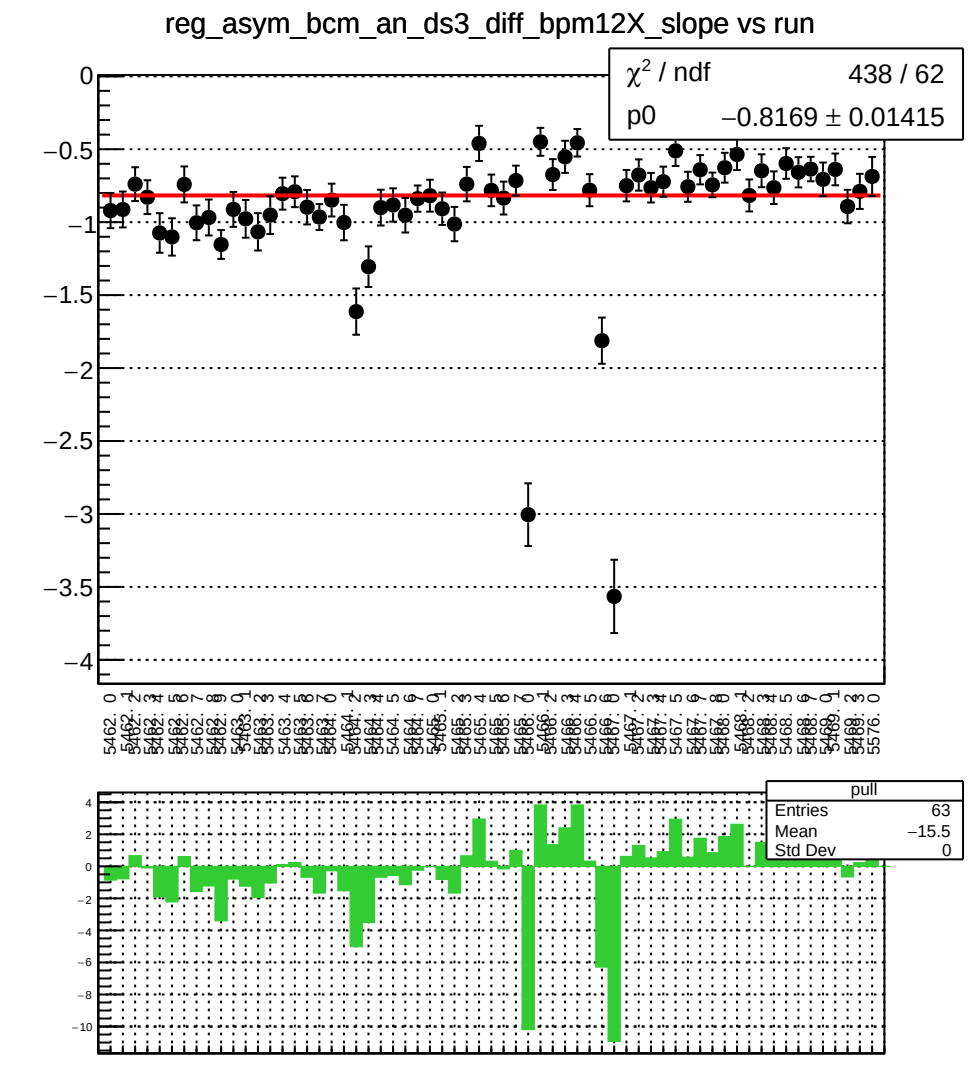

pull1D
Entries 63
Mean −0.05826
Std Dev 0.8911

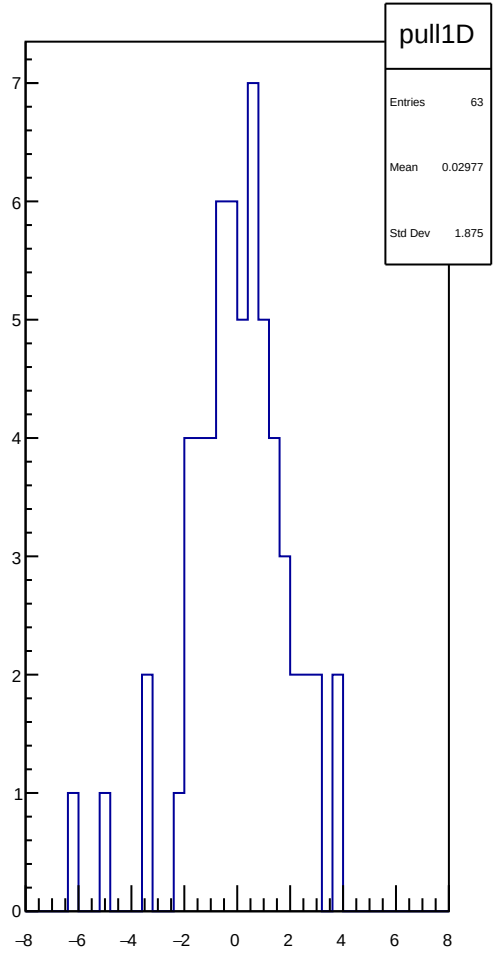

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2330 / 62
p0 46.68 ± 0.339
pull
Entries 63
Mean −4.473
Std Dev 0

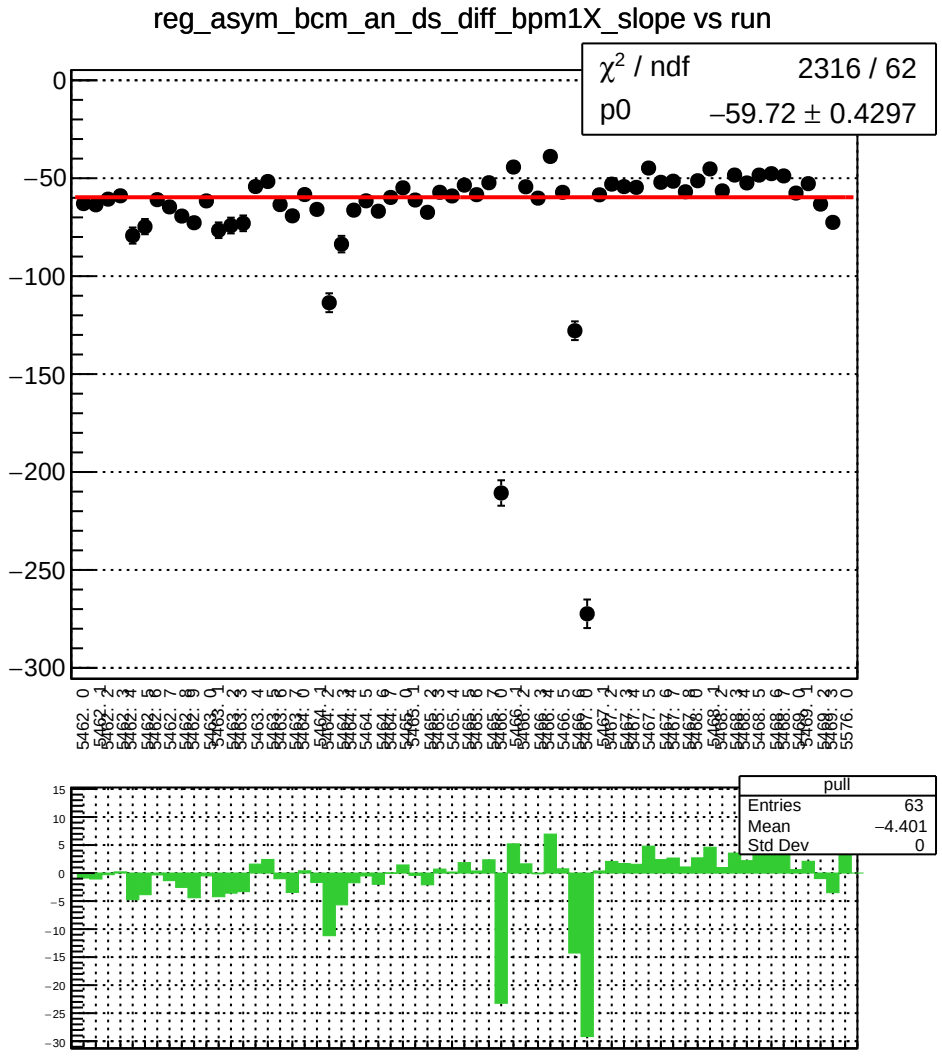

pull1D
Entries 63
Mean −0.2527
Std Dev 2.696

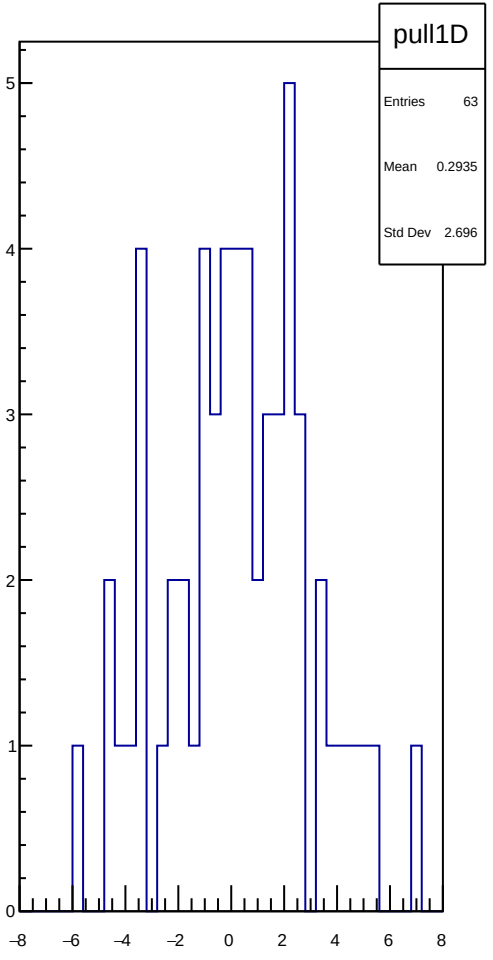

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 46.17 / 62
p0 −3.359 ± 0.5358
pull
Entries 63
Mean 241.3
Std Dev 0

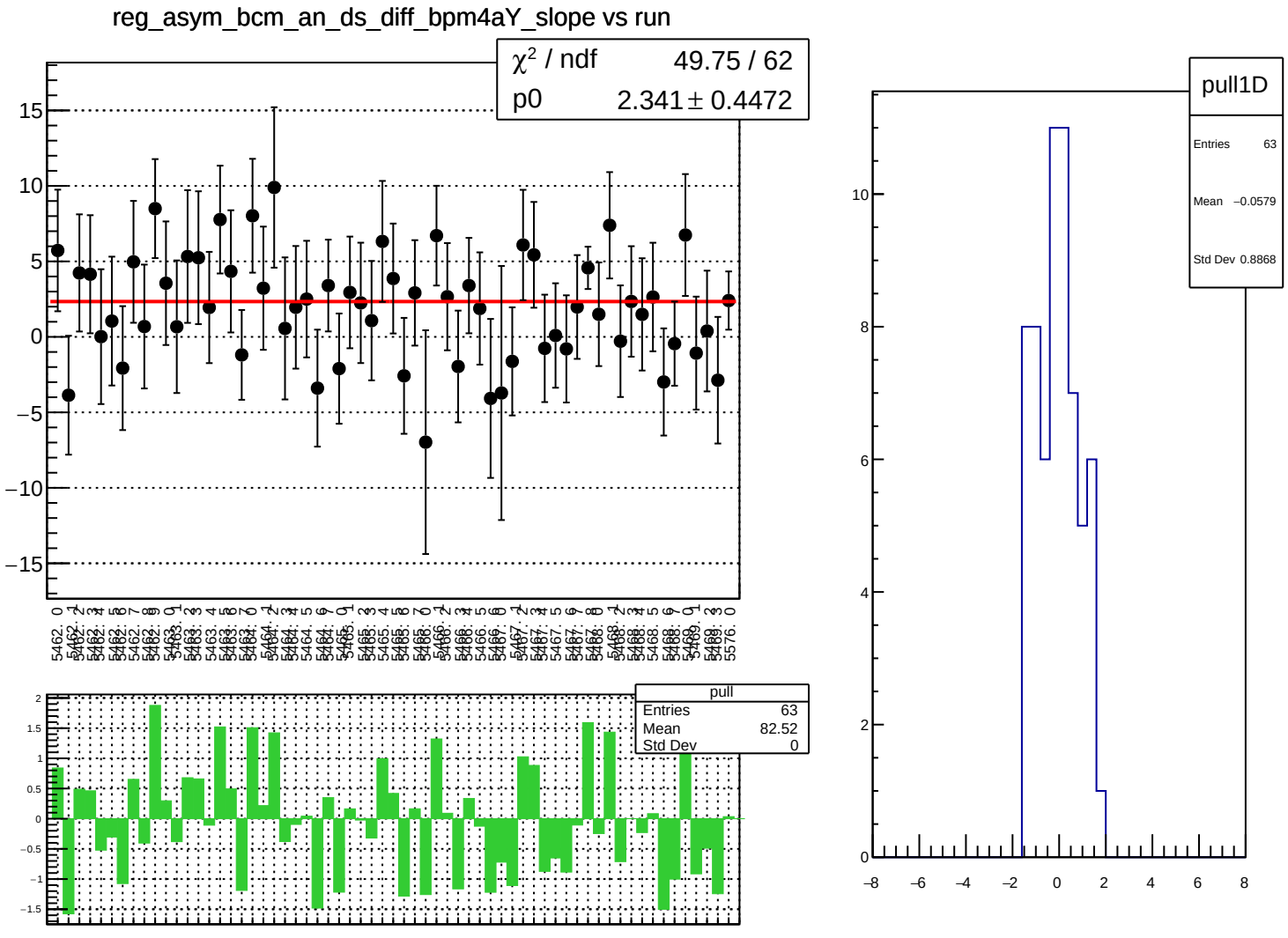

pull1D
Entries 63
Mean 0.01613
Std Dev 0.856

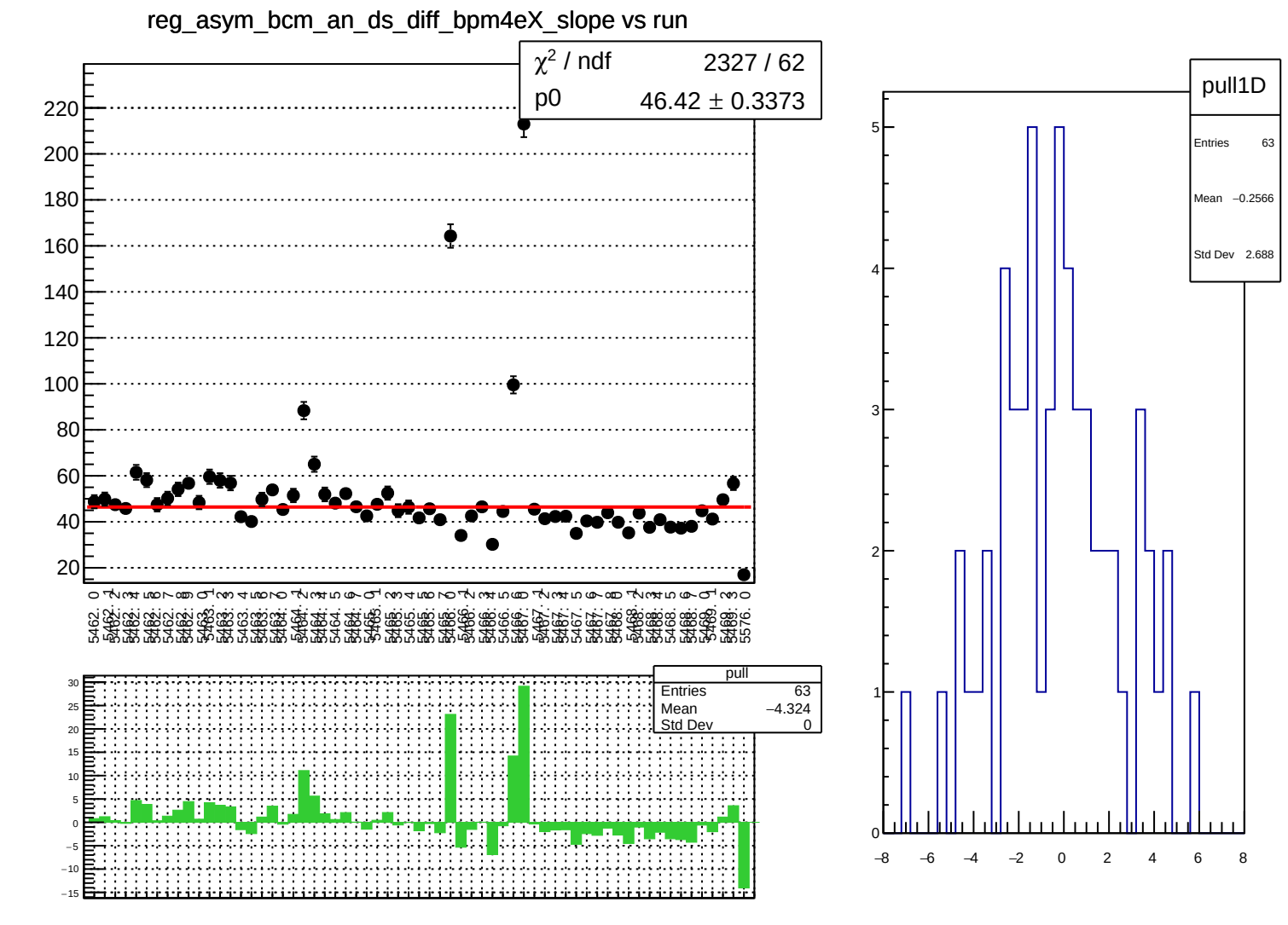

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 438 / 62
p0 −0.8169 ± 0.01415
pull
Entries 63
Mean −15.5
Std Dev 0

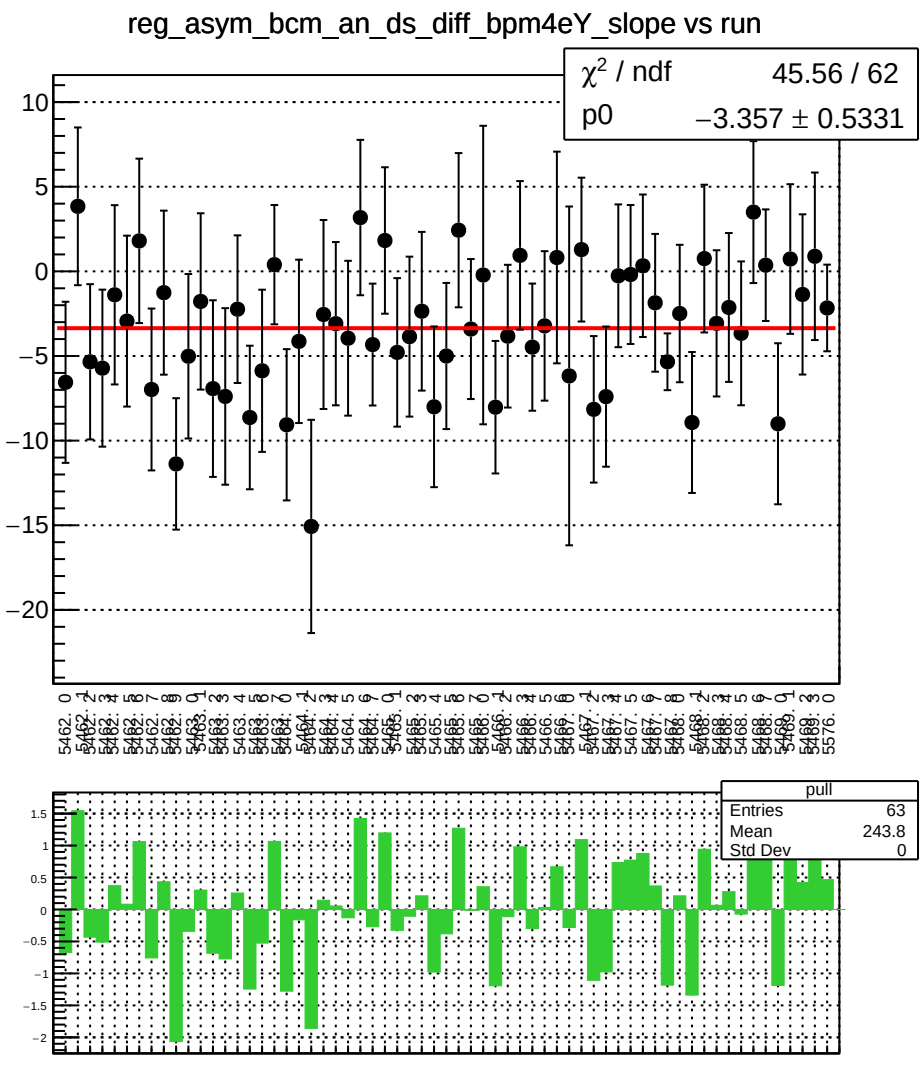

pull1D
Entries 63
Mean 0.02977
Std Dev 1.875

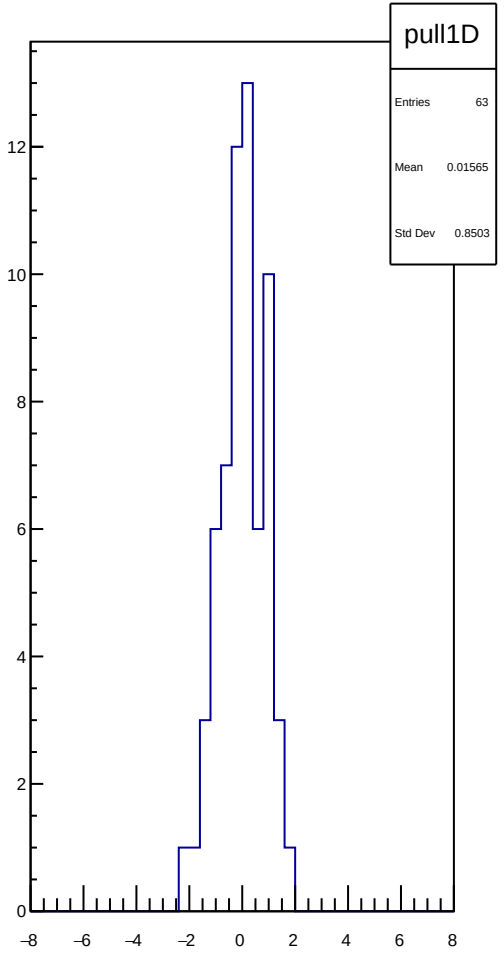

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2316 / 62
p0 −59.72 ± 0.4297
pull
Entries 63
Mean −4.401
Std Dev 0

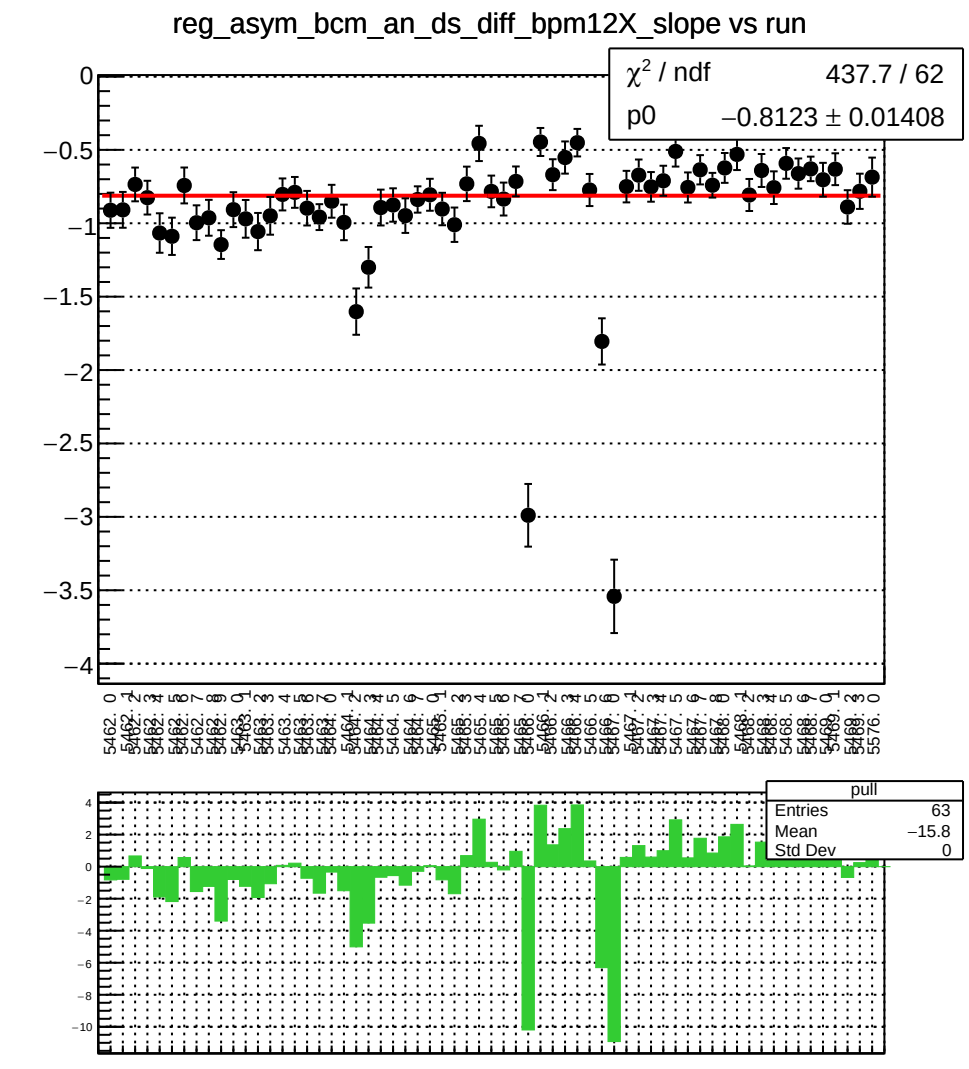

pull1D
Entries 63
Mean 0.2935
Std Dev 2.696

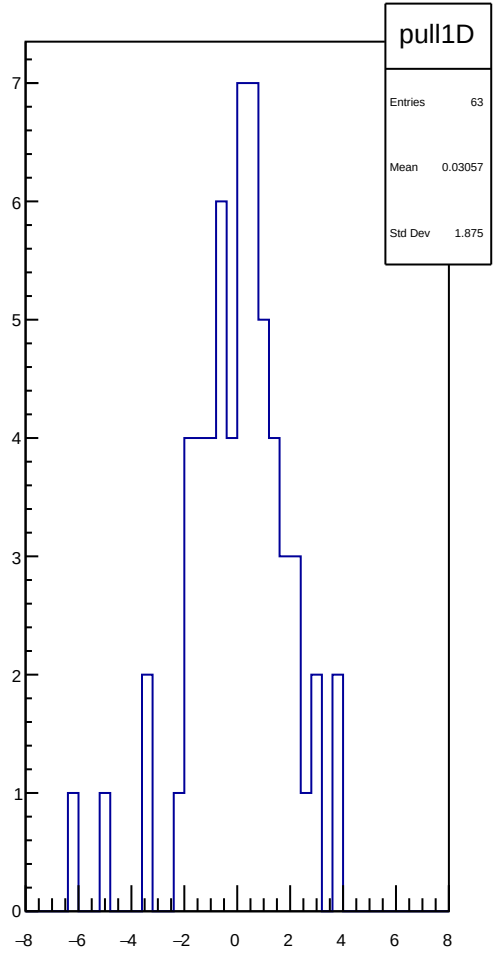

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 49.75 / 62
p0 2.341 ± 0.4472
pull
Entries 63
Mean 82.52
Std Dev 0
pull1D
Entries 63
Mean −0.0579
Std Dev 0.8868

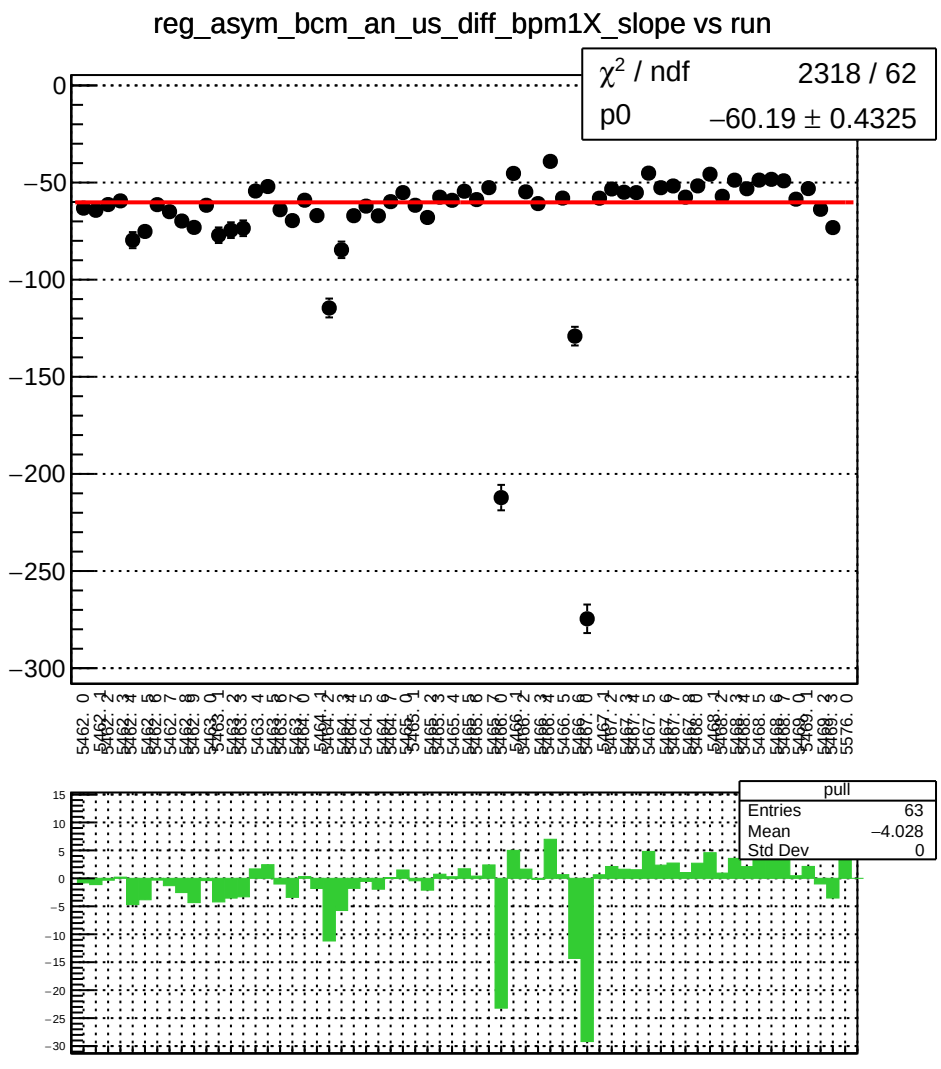

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2327 / 62
p0 46.42 ± 0.3373
pull
Entries 63
Mean −4.324
Std Dev 0
pull1D
Entries 63
Mean −0.2566
Std Dev 2.688

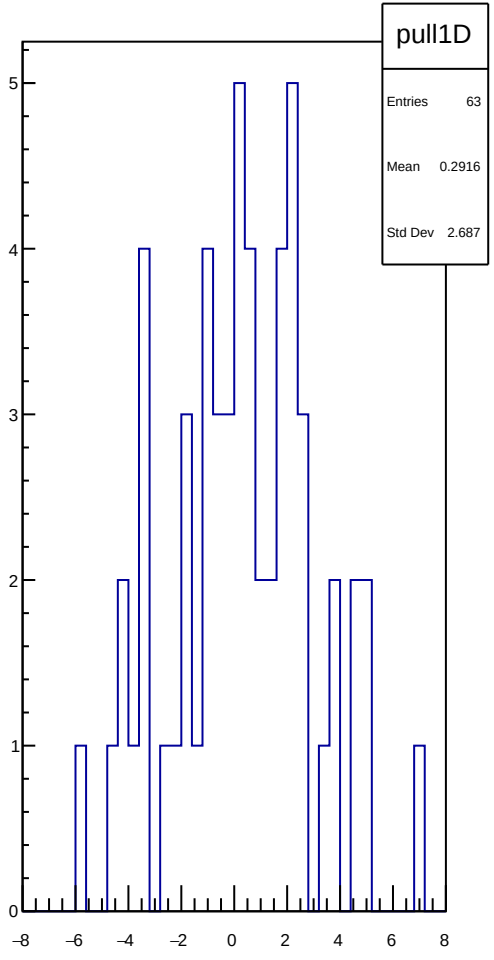

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 45.56 / 62
p0 −3.357 ± 0.5331
pull
Entries 63
Mean 243.8
Std Dev 0

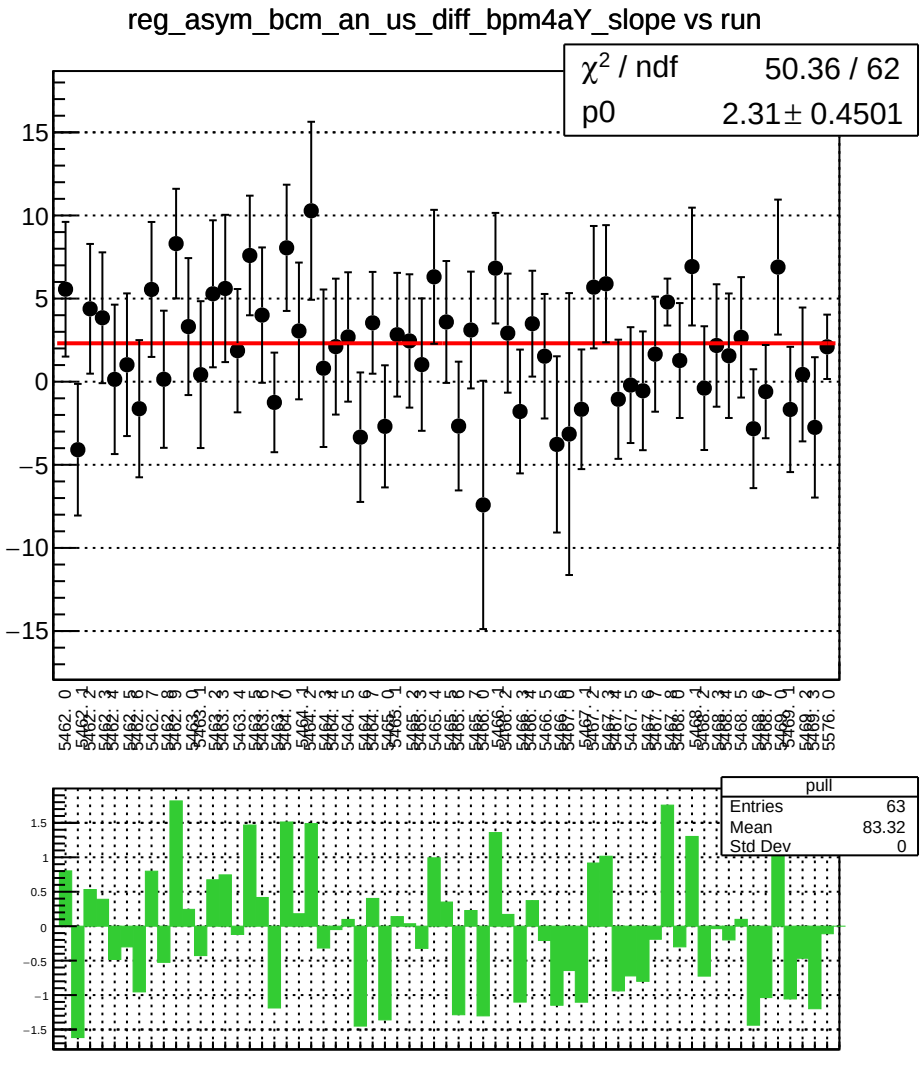

pull1D
Entries 63
Mean 0.01565
Std Dev 0.8503

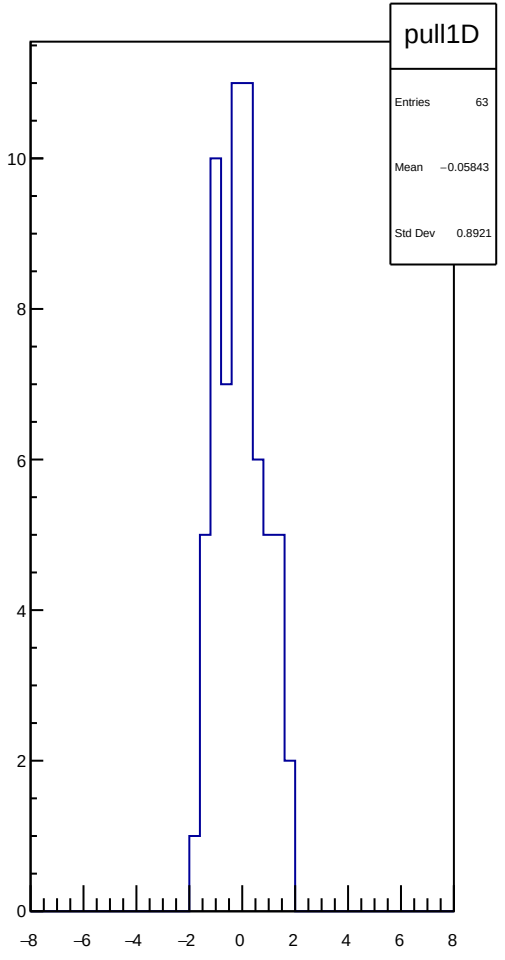

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 437.7 / 62
p0 −0.8123 ± 0.01408
pull
Entries 63
Mean −15.8
Std Dev 0

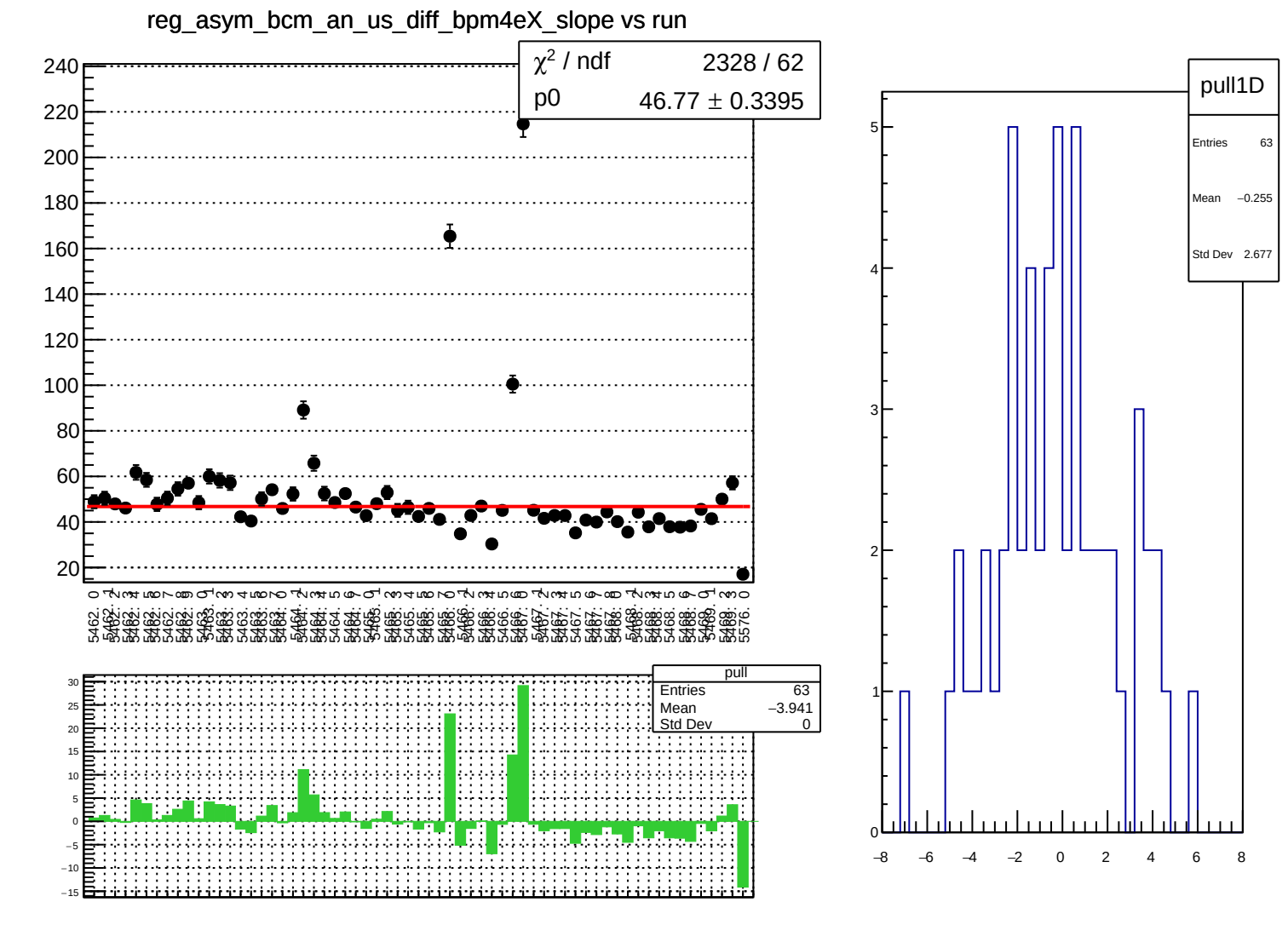

pull1D
Entries 63
Mean 0.03057
Std Dev 1.875

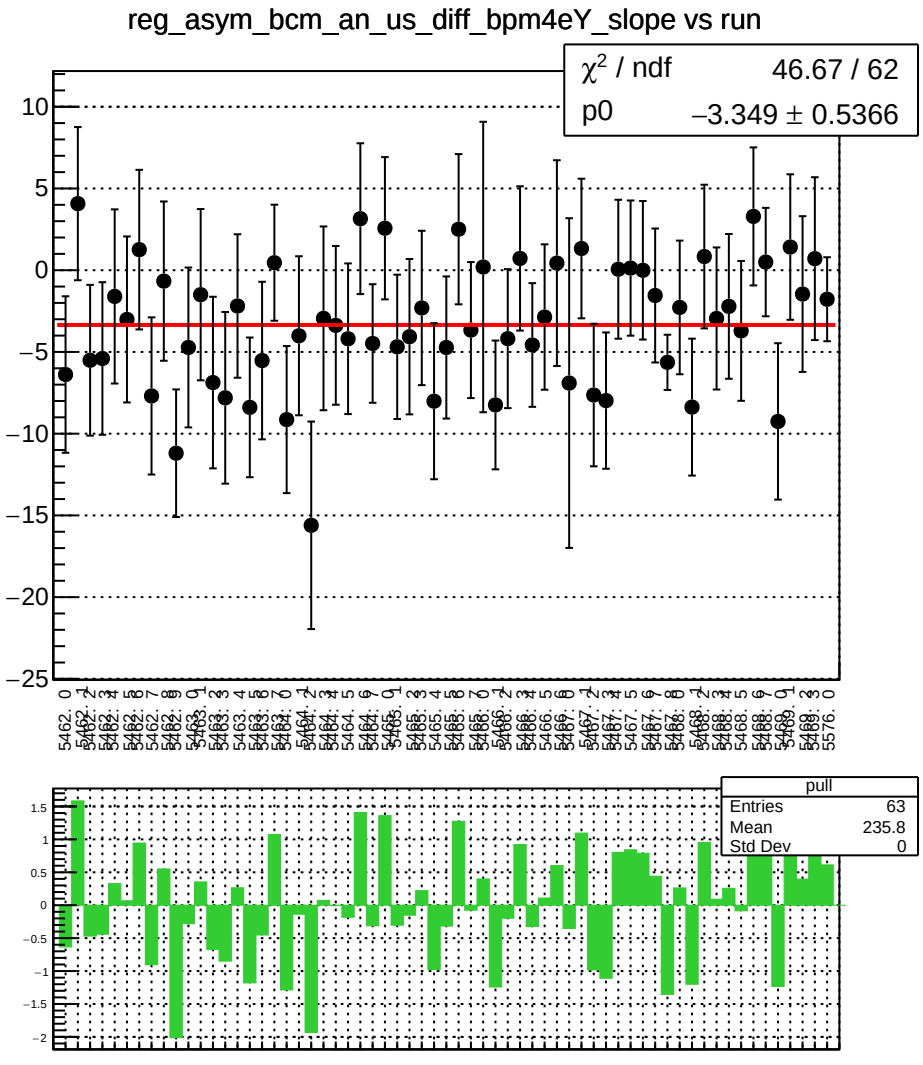

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2318 / 62
p0 −60.19 ± 0.4325
pull
Entries 63
Mean −4.028
Std Dev 0

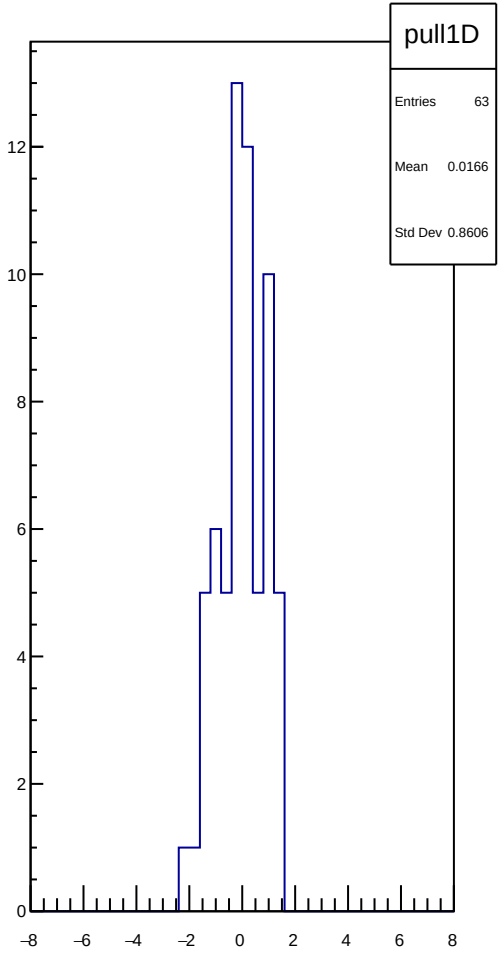

pull1D
Entries 63
Mean 0.2916
Std Dev 2.687

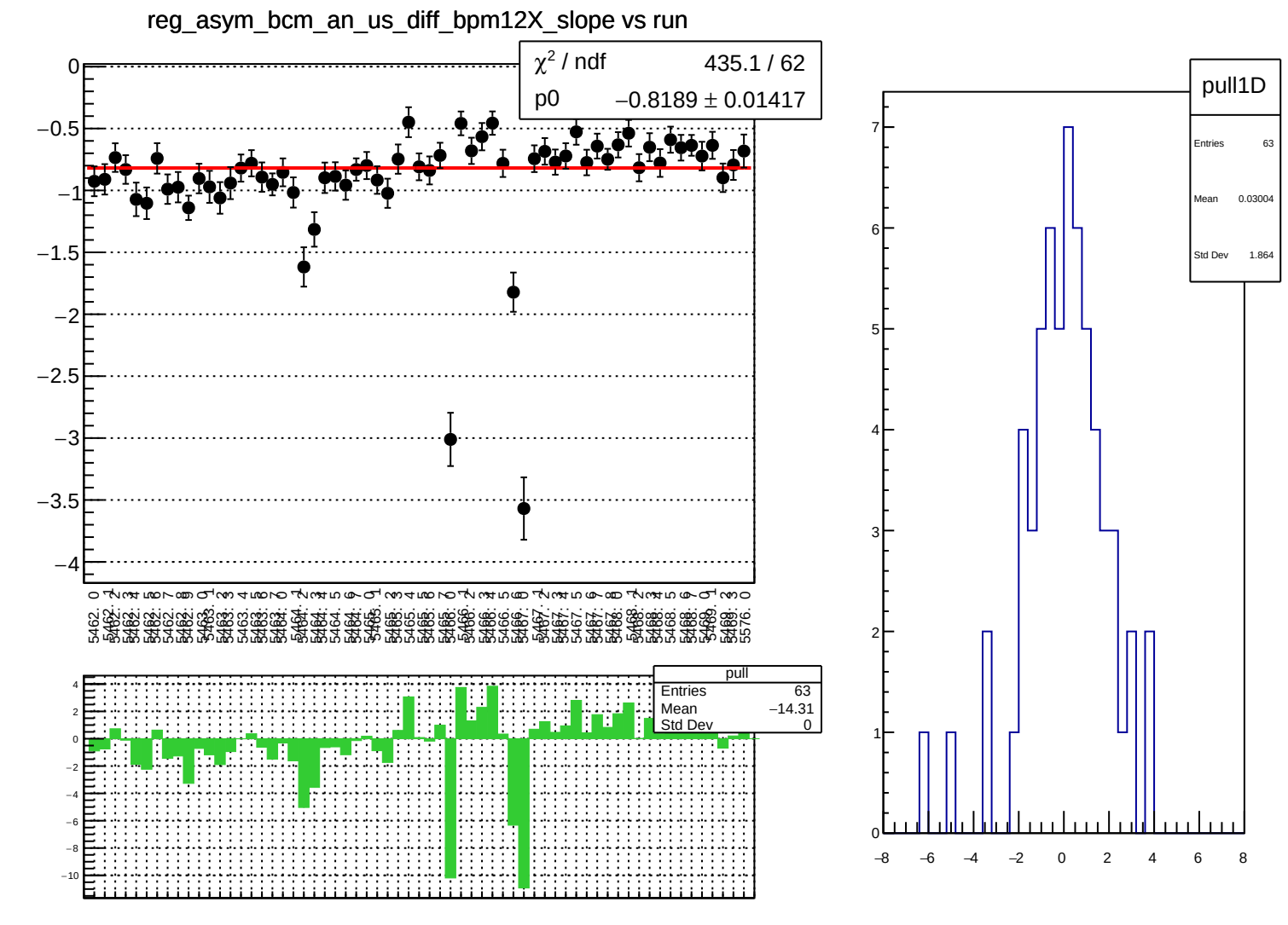

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 50.36 / 62
p0 2.31 ± 0.4501
pull
Entries 63
Mean 83.32
Std Dev 0

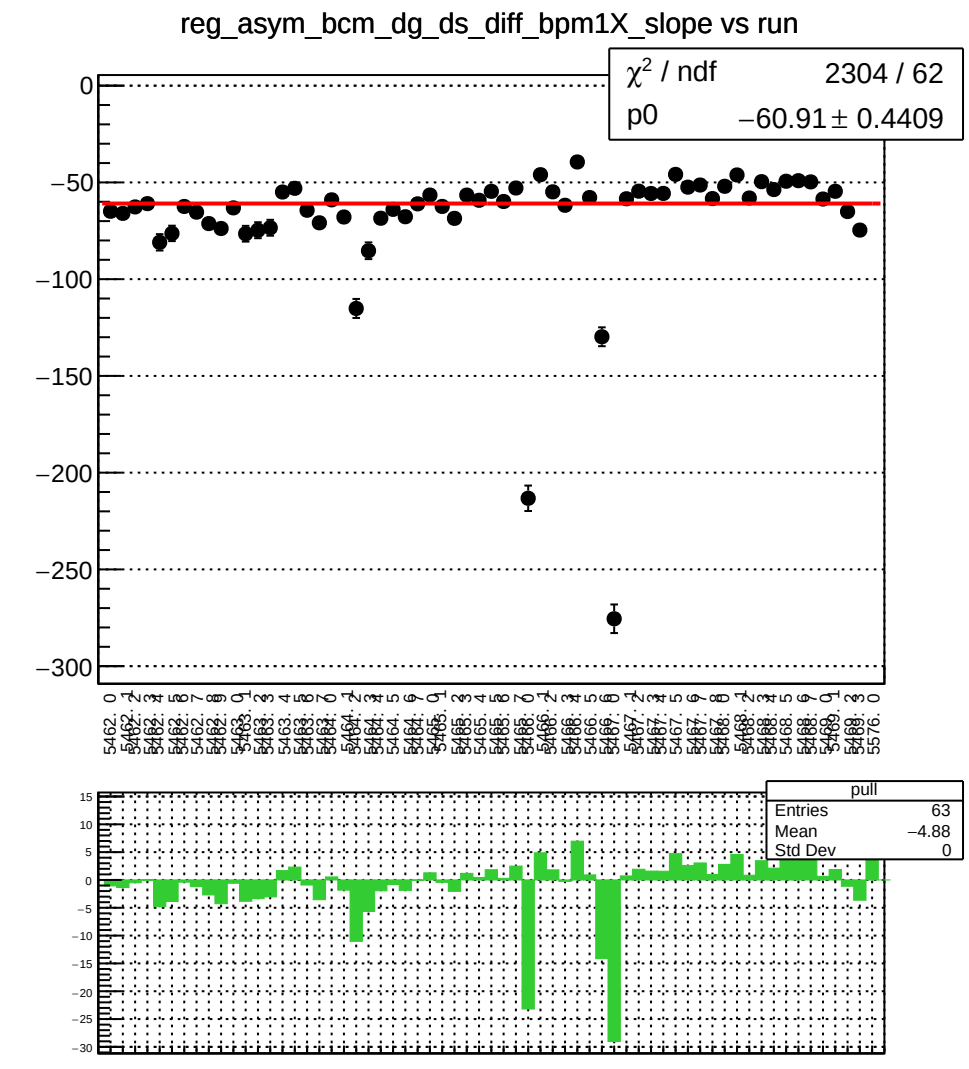

pull1D
Entries 63
Mean −0.05843
Std Dev 0.8921

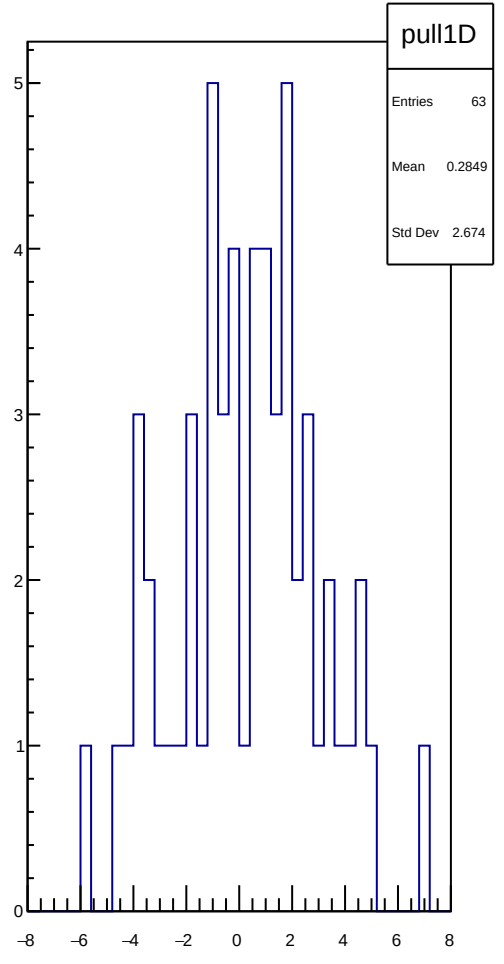

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2328 / 62
p0 46.77 ± 0.3395
pull
Entries 63
Mean −3.941
Std Dev 0
pull1D
Entries 63
Mean −0.255
Std Dev 2.677

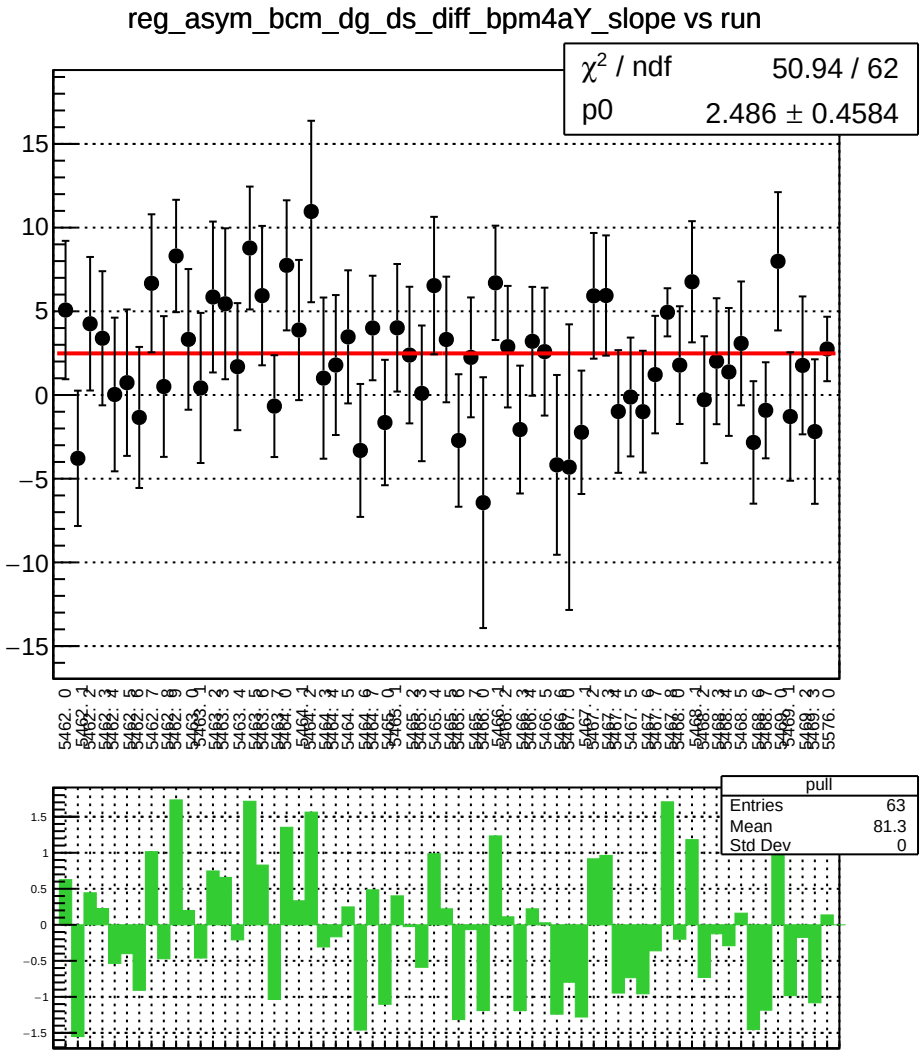

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 46.67 / 62
p0 −3.349 ± 0.5366
pull
Entries 63
Mean 235.8
Std Dev 0

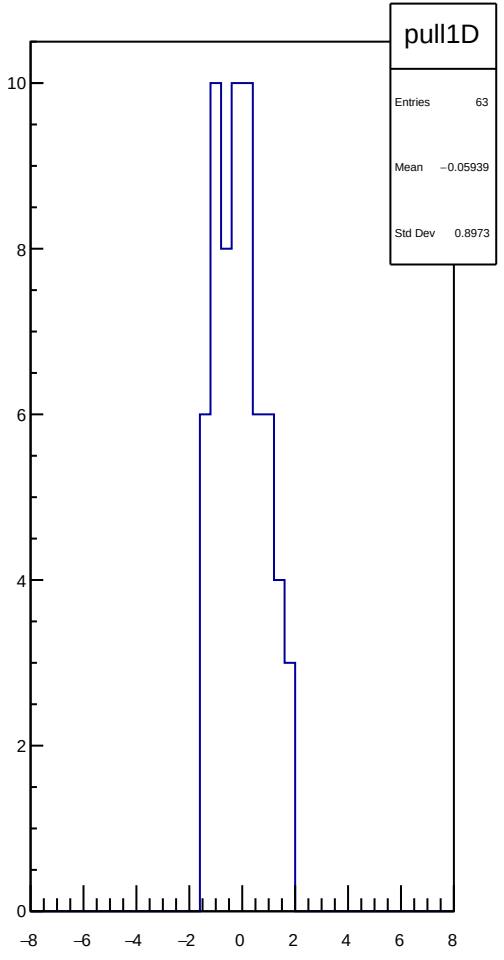

pull1D
Entries 63
Mean 0.0166
Std Dev 0.8606

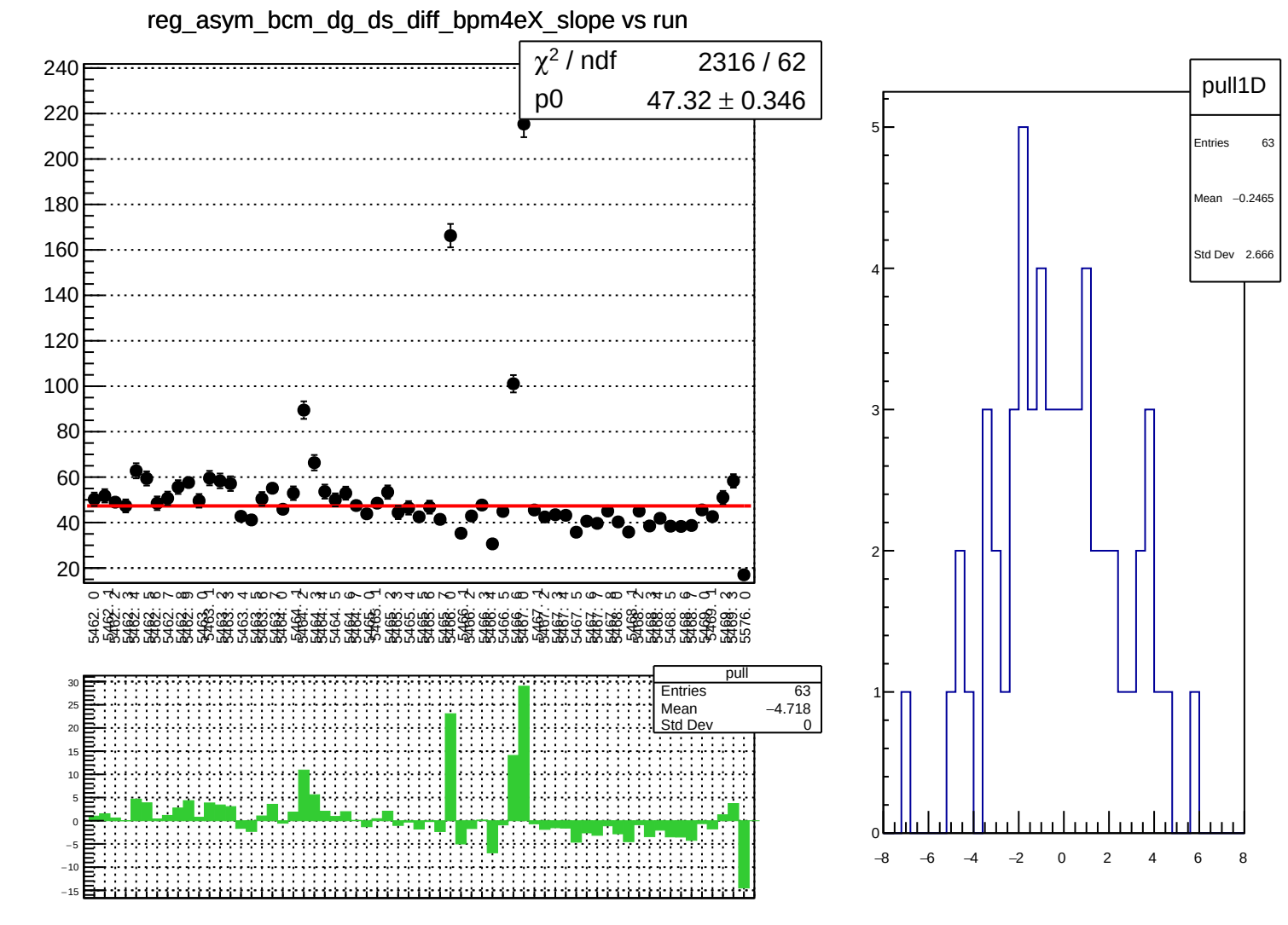

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 435.1 / 62
p0 −0.8189 ± 0.01417
pull
Entries 63
Mean −14.31
Std Dev 0
pull1D
Entries 63
Mean 0.03004
Std Dev 1.864

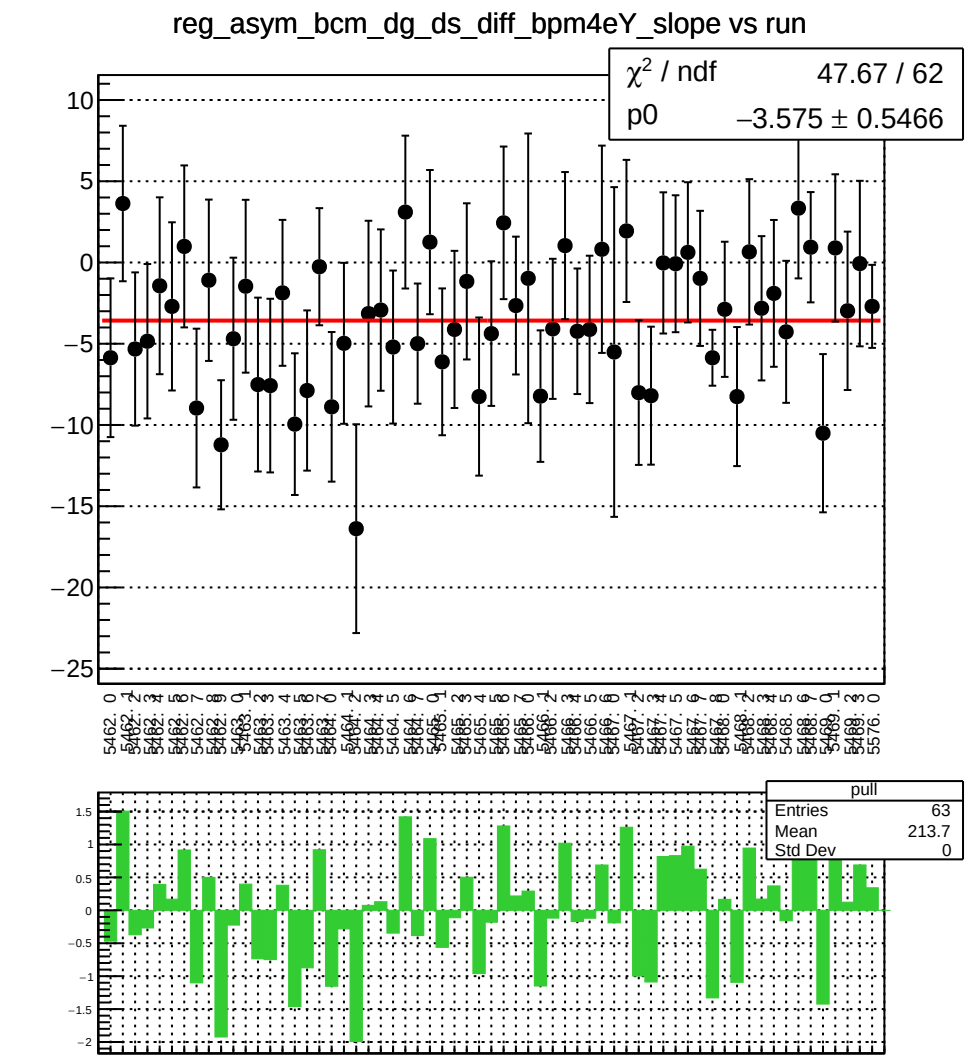

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2304 / 62
p0 −60.91 ± 0.4409
pull
Entries 63
Mean −4.88
Std Dev 0

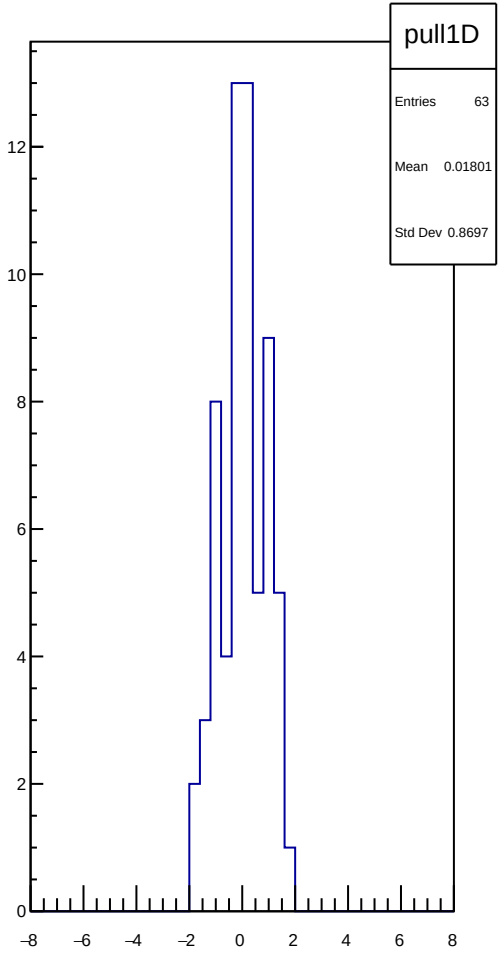

pull1D
Entries 63
Mean 0.2849
Std Dev 2.674

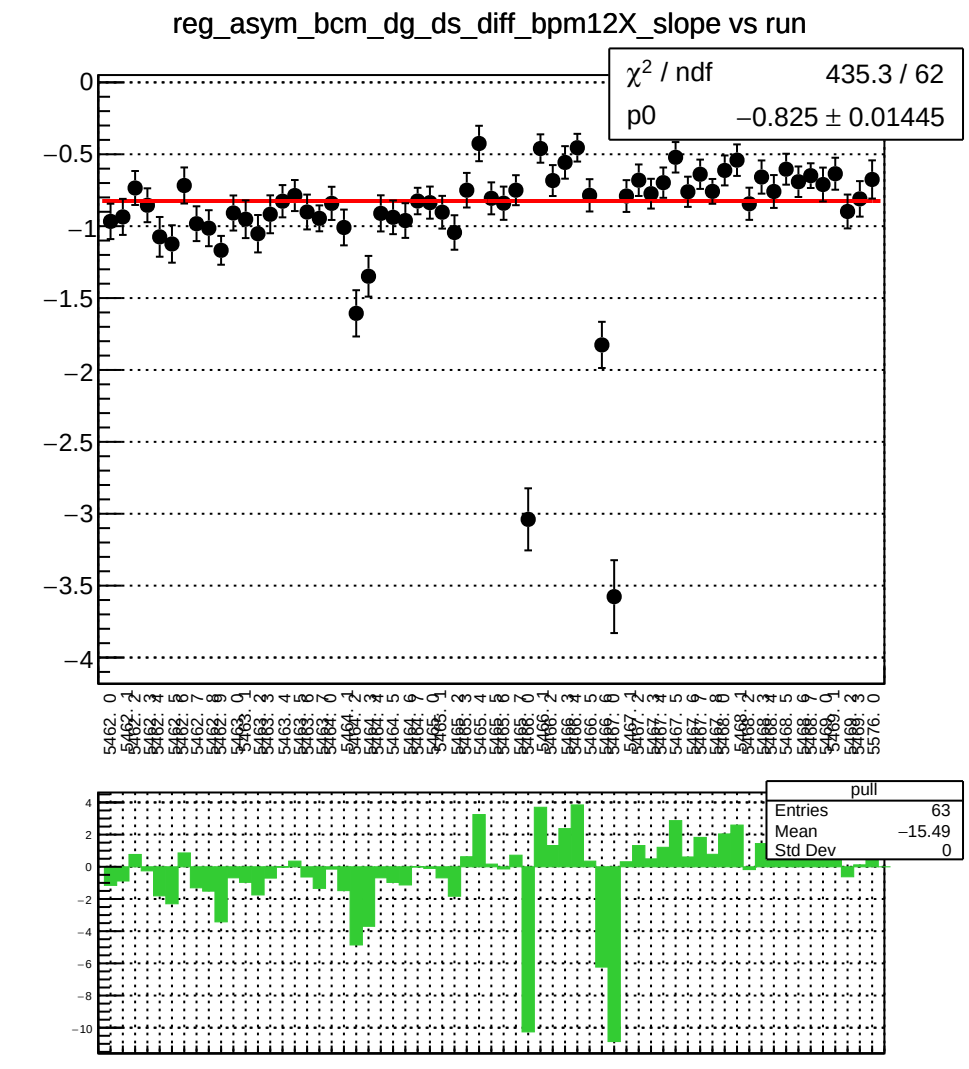

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 50.94 / 62
p0 2.486 ± 0.4584
pull
Entries 63
Mean 81.3
Std Dev 0

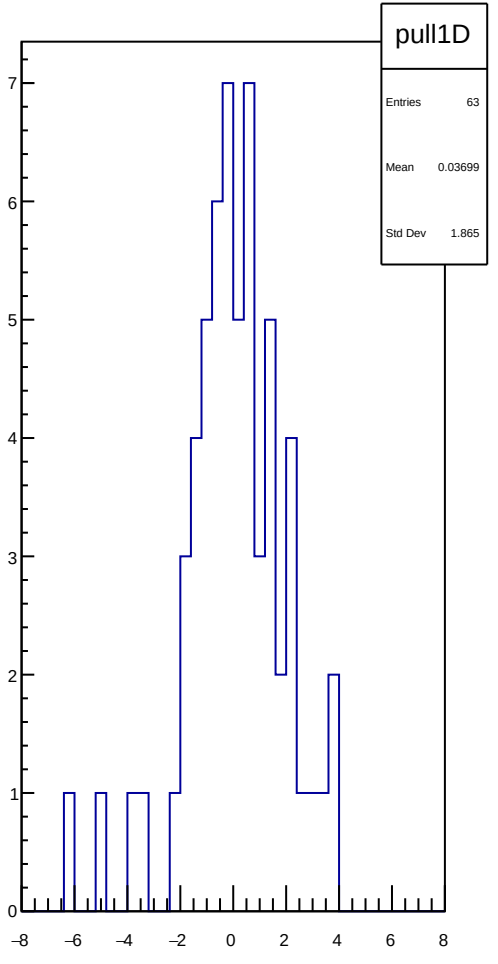

pull1D
Entries 63
Mean −0.05939
Std Dev 0.8973

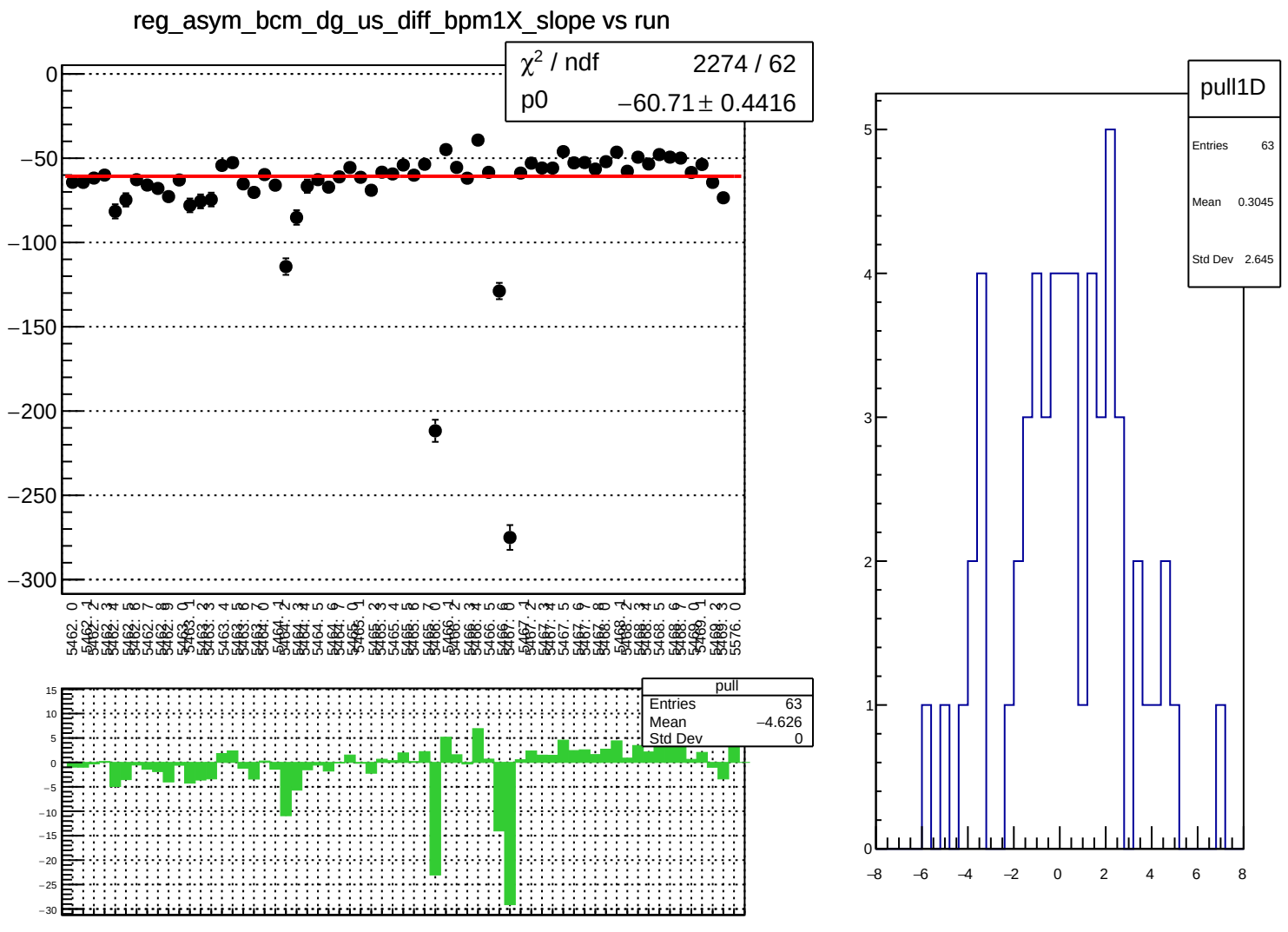

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2316 / 62
p0 47.32 ± 0.346
pull
Entries 63
Mean −4.718
Std Dev 0
pull1D
Entries 63
Mean −0.2465
Std Dev 2.666

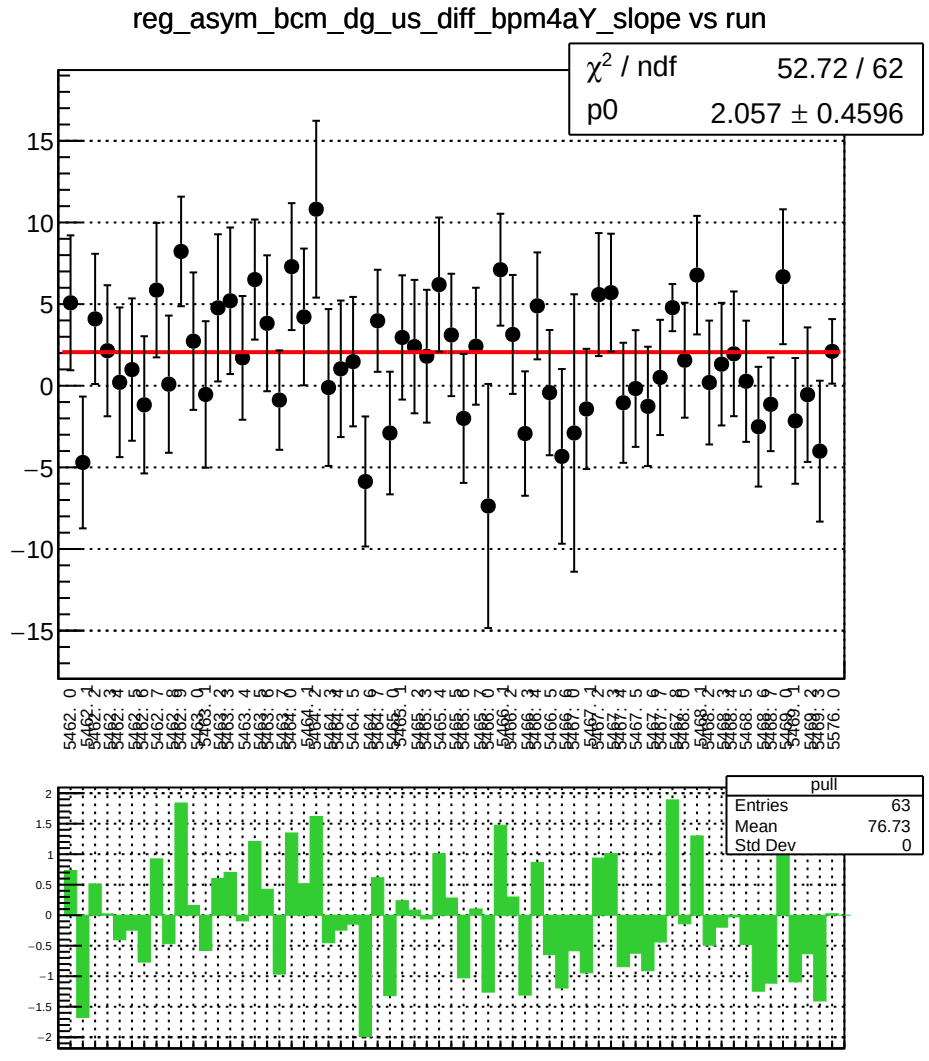

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 47.67 / 62
p0 −3.575 ± 0.5466
pull
Entries 63
Mean 213.7
Std Dev 0

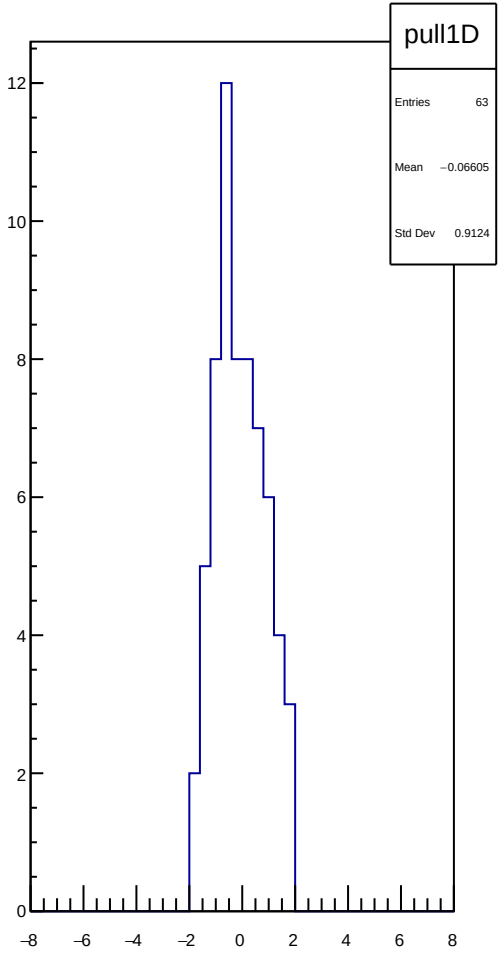

pull1D
Entries 63
Mean 0.01801
Std Dev 0.8697

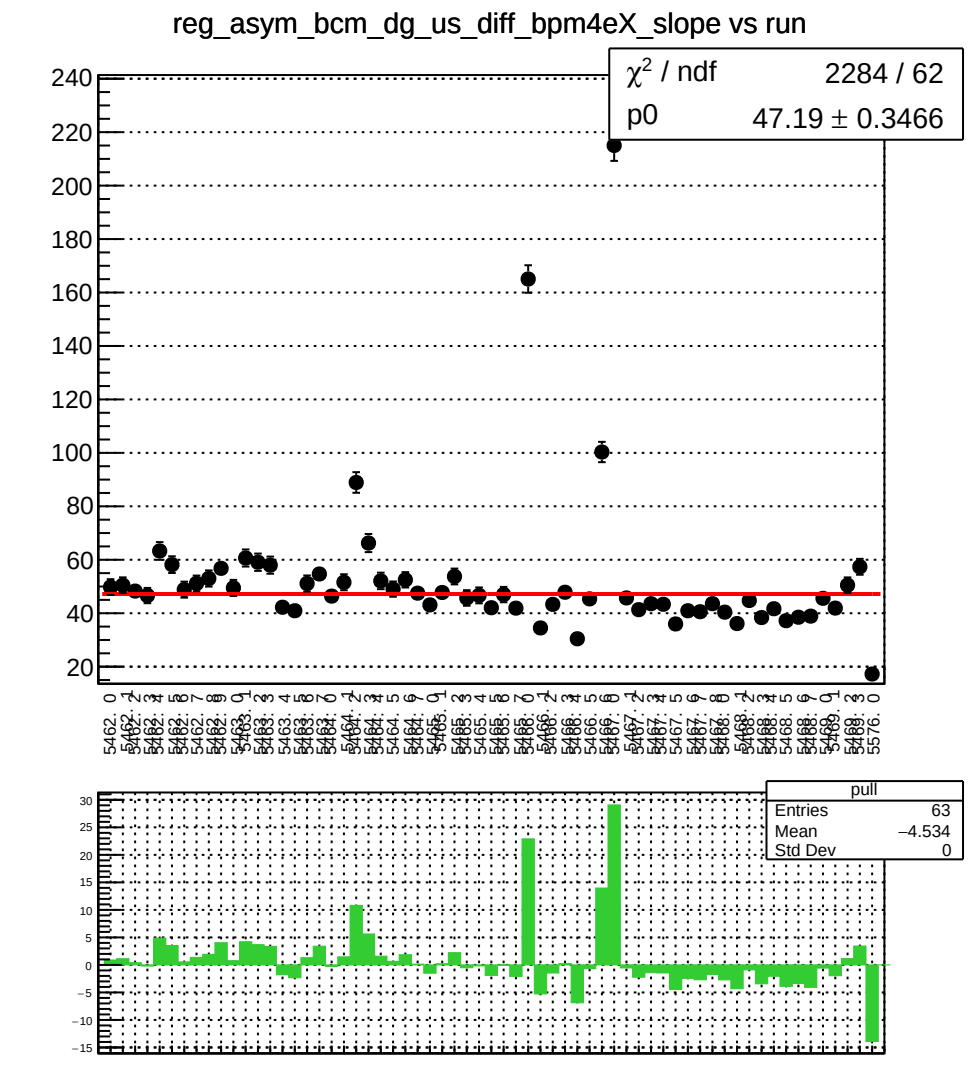

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 435.3 / 62
p0 −0.825 ± 0.01445
pull
Entries 63
Mean −15.49
Std Dev 0

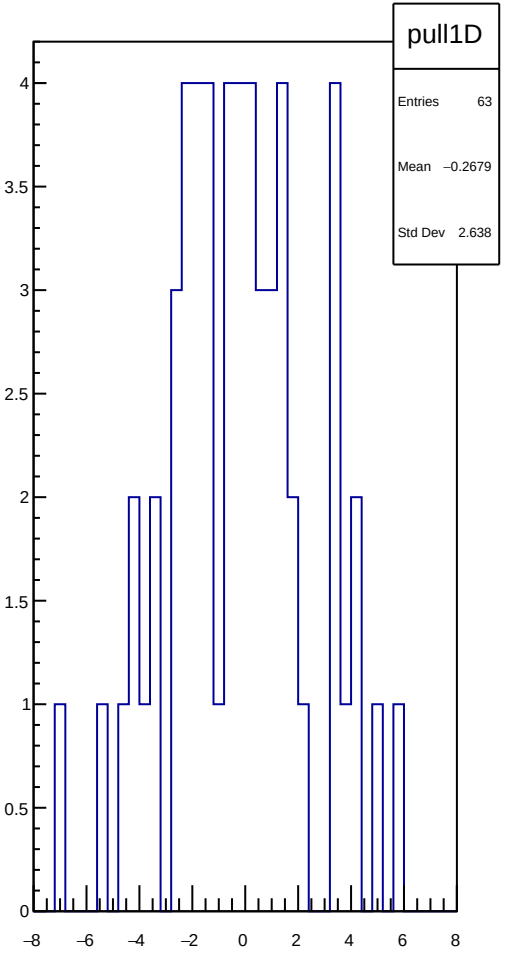

pull1D
Entries 63
Mean 0.03699
Std Dev 1.865

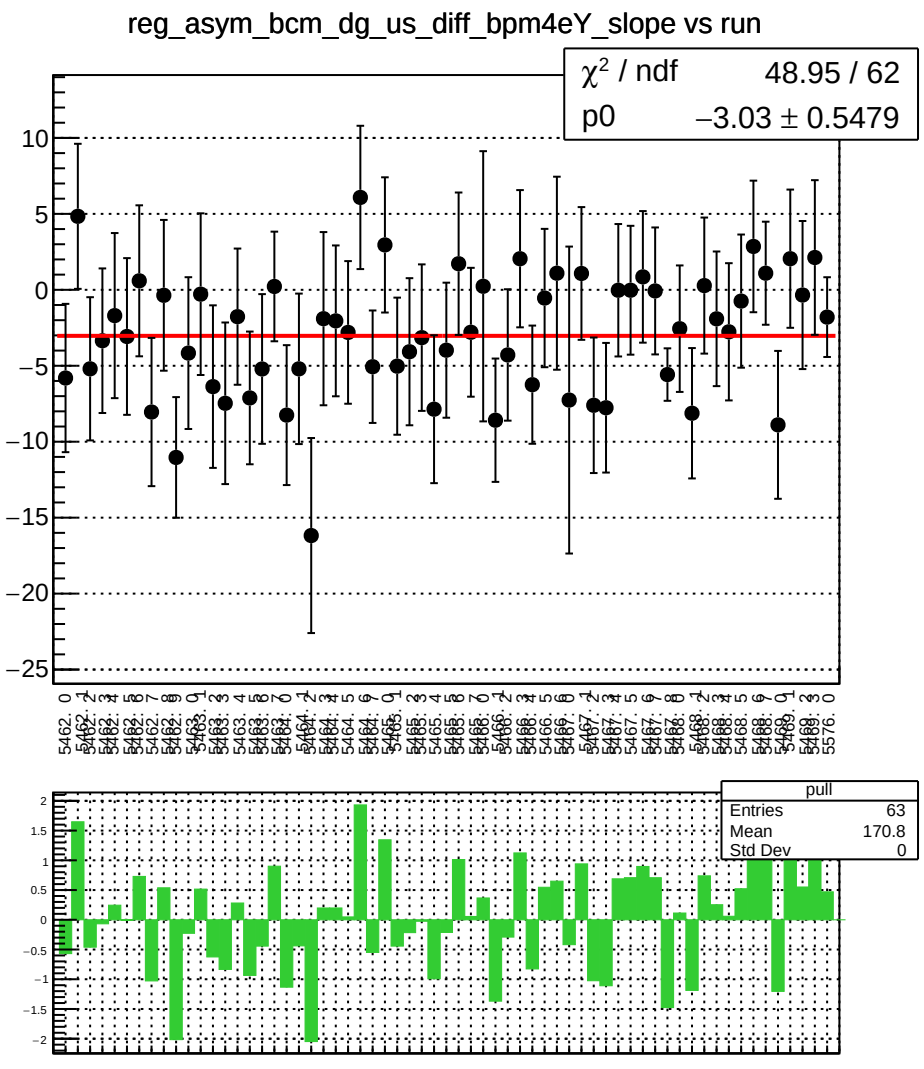

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2274 / 62
p0 −60.71 ± 0.4416
pull
Entries 63
Mean −4.626
Std Dev 0
pull1D
Entries 63
Mean 0.3045
Std Dev 2.645

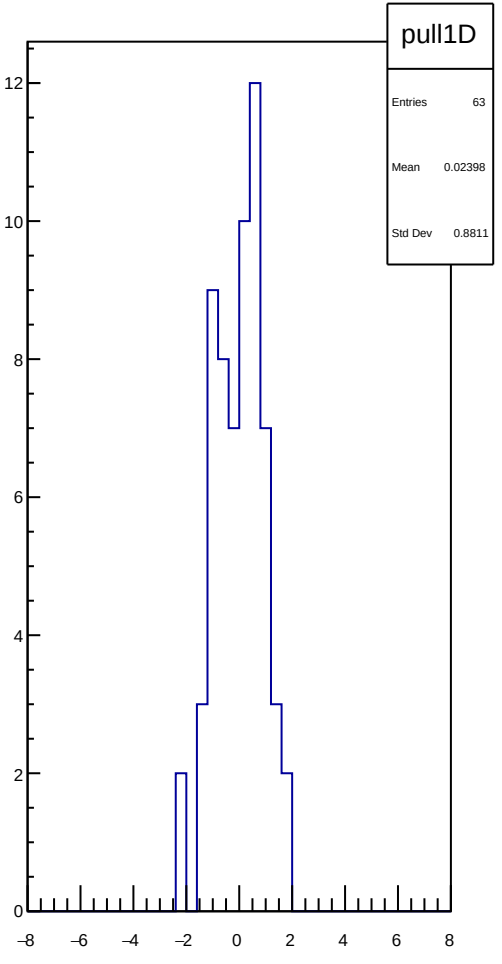

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 52.72 / 62
p0 2.057 ± 0.4596
pull
Entries 63
Mean 76.73
Std Dev 0

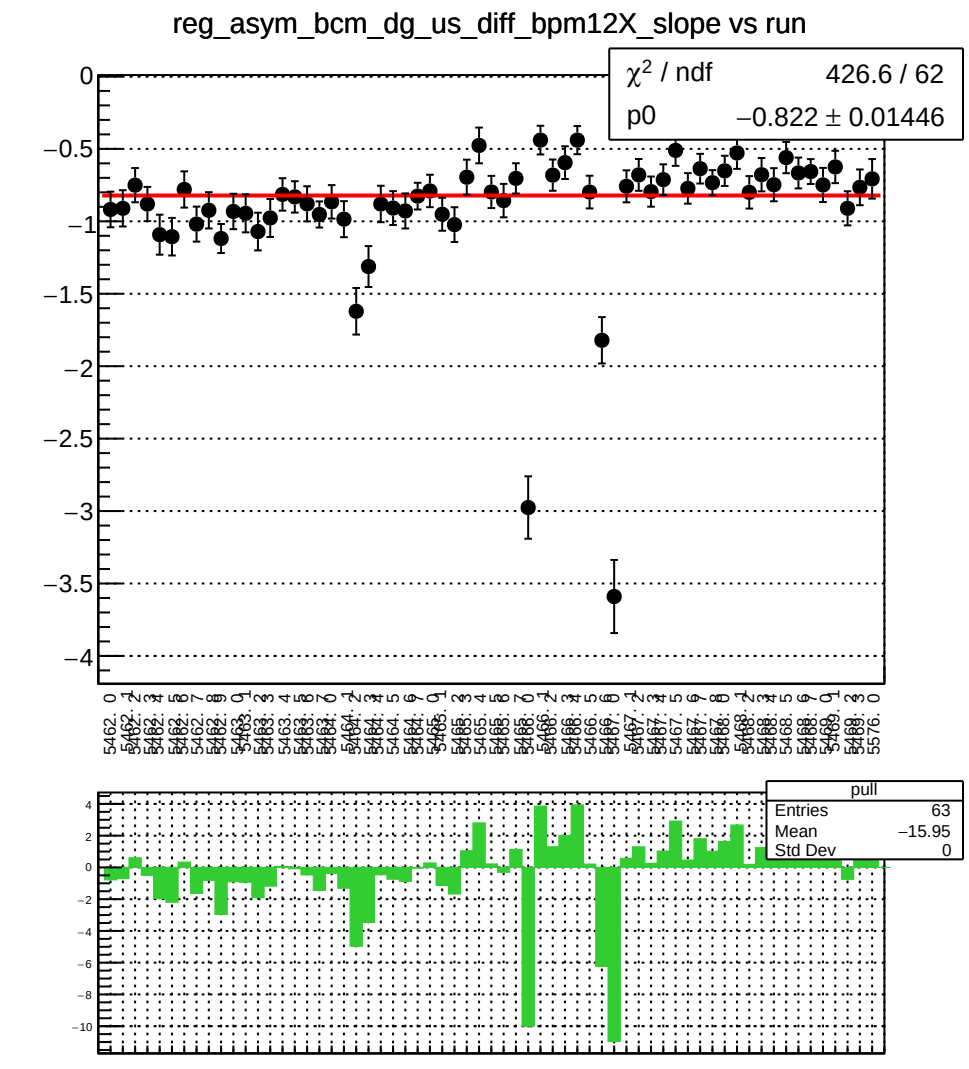

pull1D
Entries 63
Mean −0.06605
Std Dev 0.9124

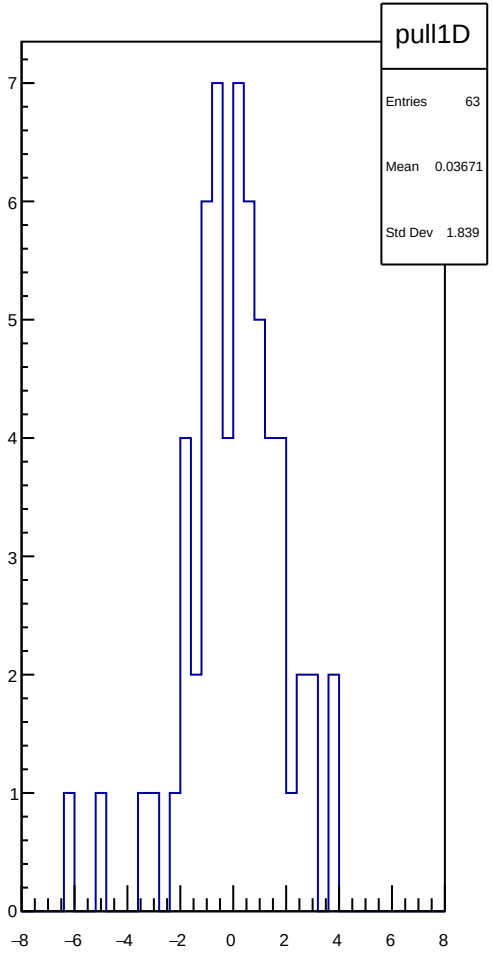

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2284 / 62
p0 47.19 ± 0.3466
pull
Entries 63
Mean −4.534
Std Dev 0

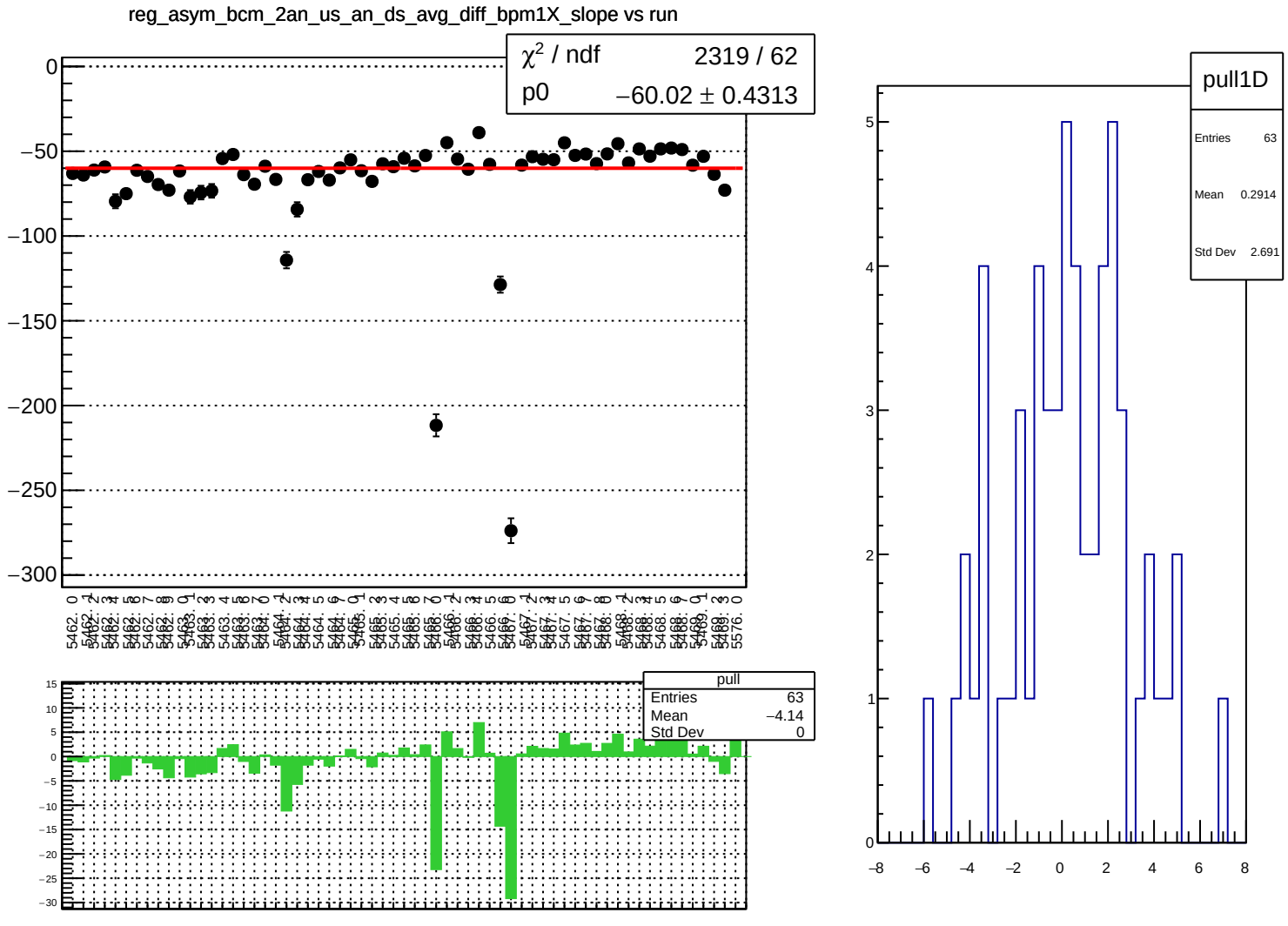

pull1D
Entries 63
Mean −0.2679
Std Dev 2.638

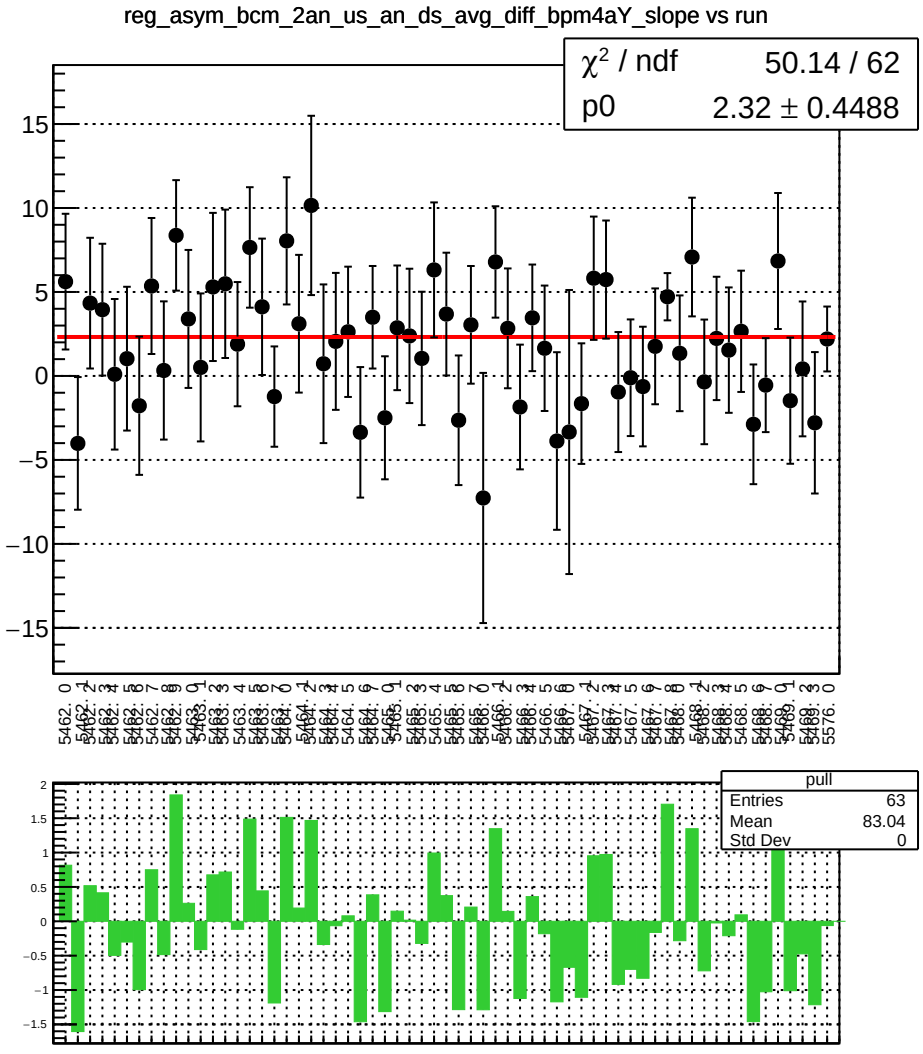

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 48.95 / 62
p0 −3.03 ± 0.5479
pull
Entries 63
Mean 170.8
Std Dev 0

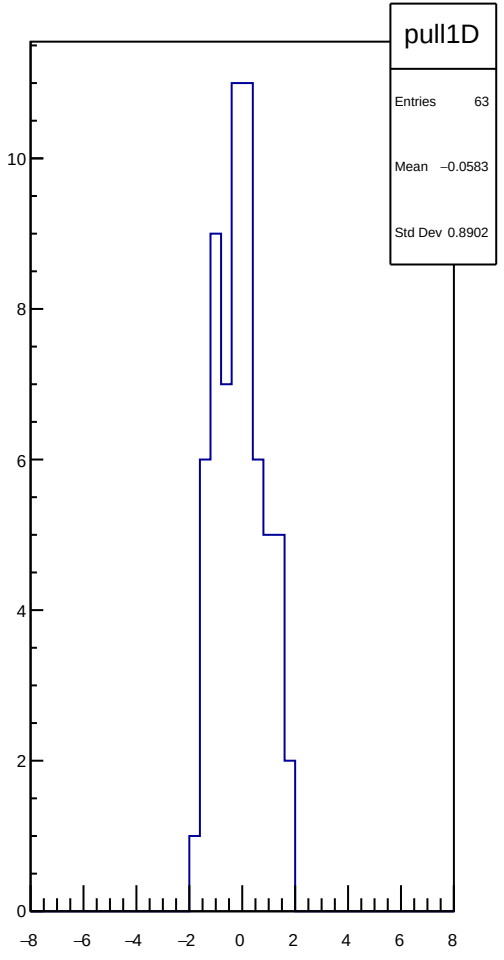

pull1D
Entries 63
Mean 0.02398
Std Dev 0.8811

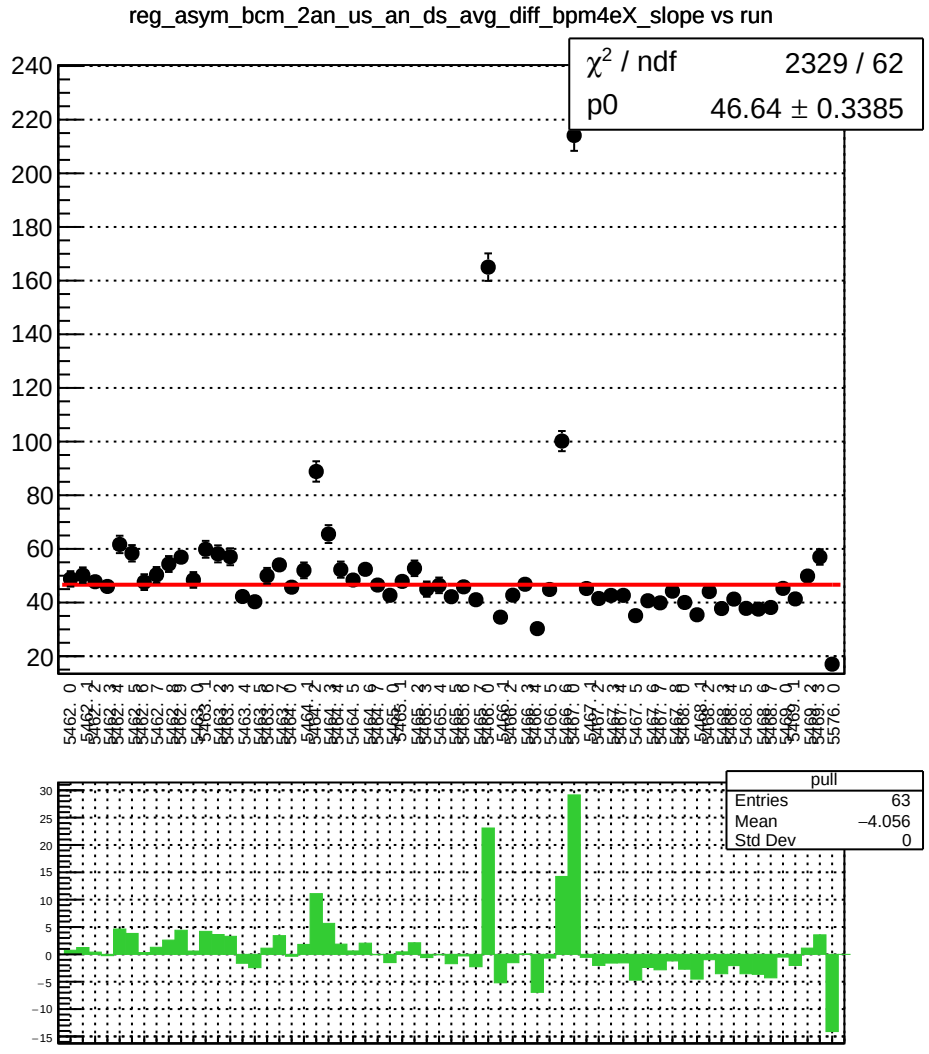

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 426.6 / 62
p0 −0.822 ± 0.01446
pull
Entries 63
Mean −15.95
Std Dev 0

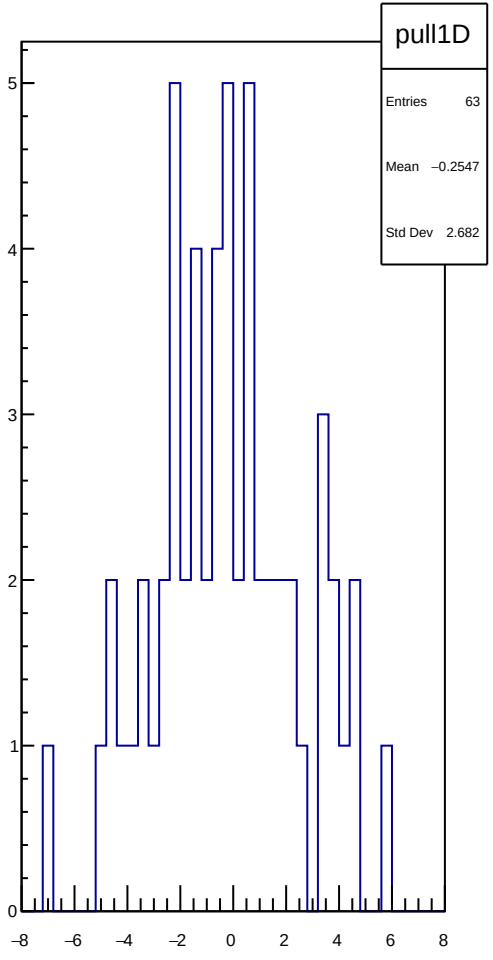

pull1D
Entries 63
Mean 0.03671
Std Dev 1.839

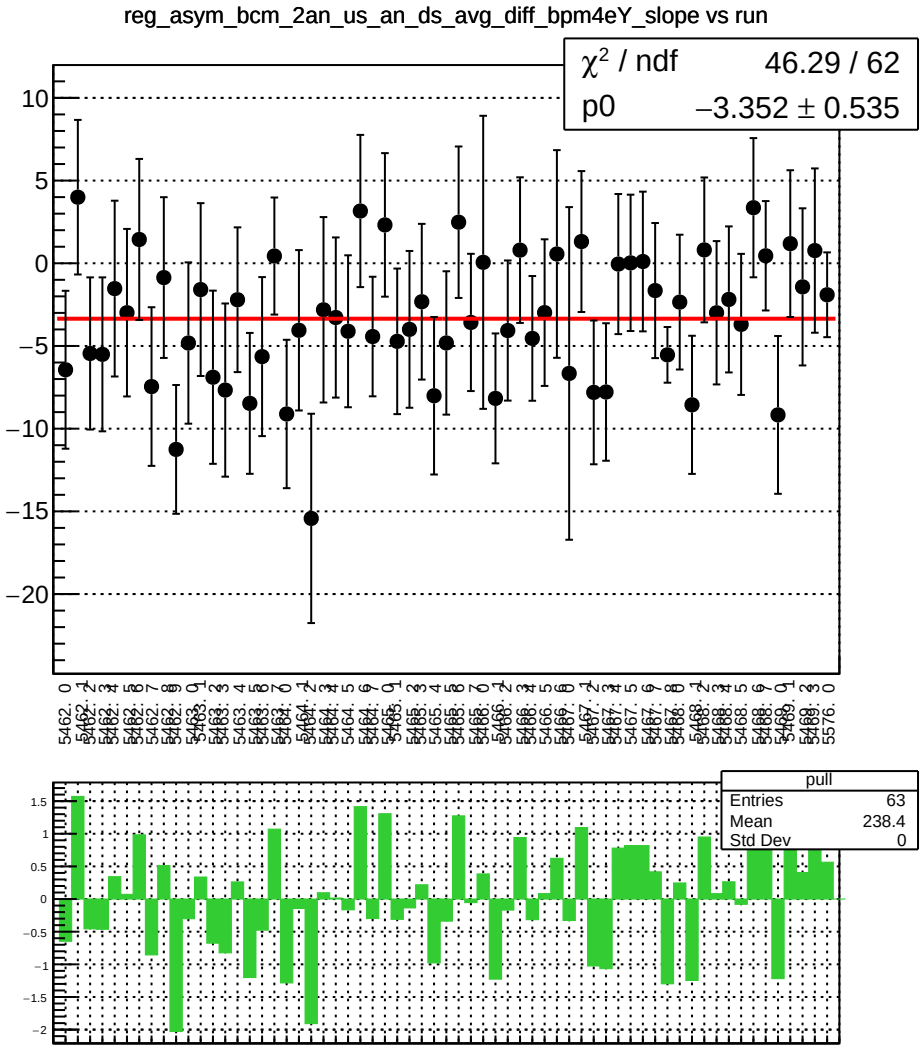

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2319 / 62
p0 −60.02 ± 0.4313
pull
Entries 63
Mean −4.14
Std Dev 0
pull1D
Entries 63
Mean 0.2914
Std Dev 2.691

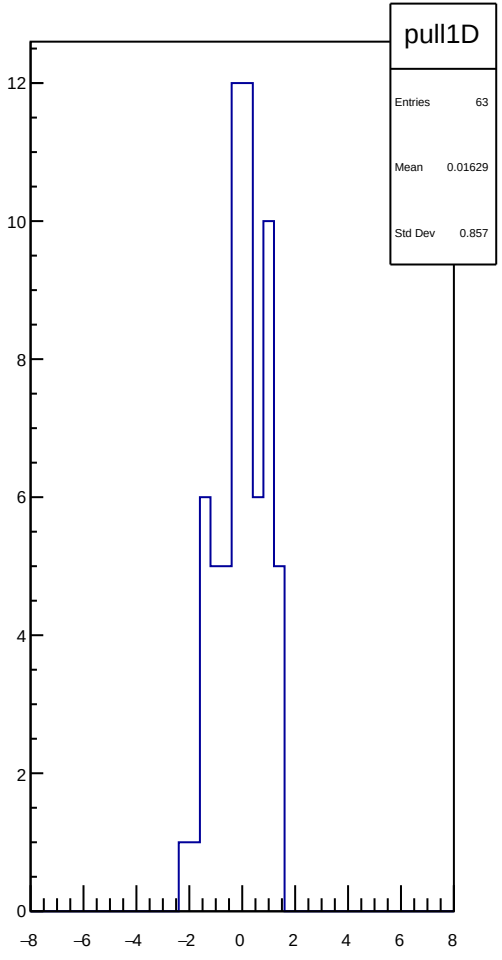

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.14 / 62
p0 2.32 ± 0.4488
pull
Entries 63
Mean 83.04
Std Dev 0

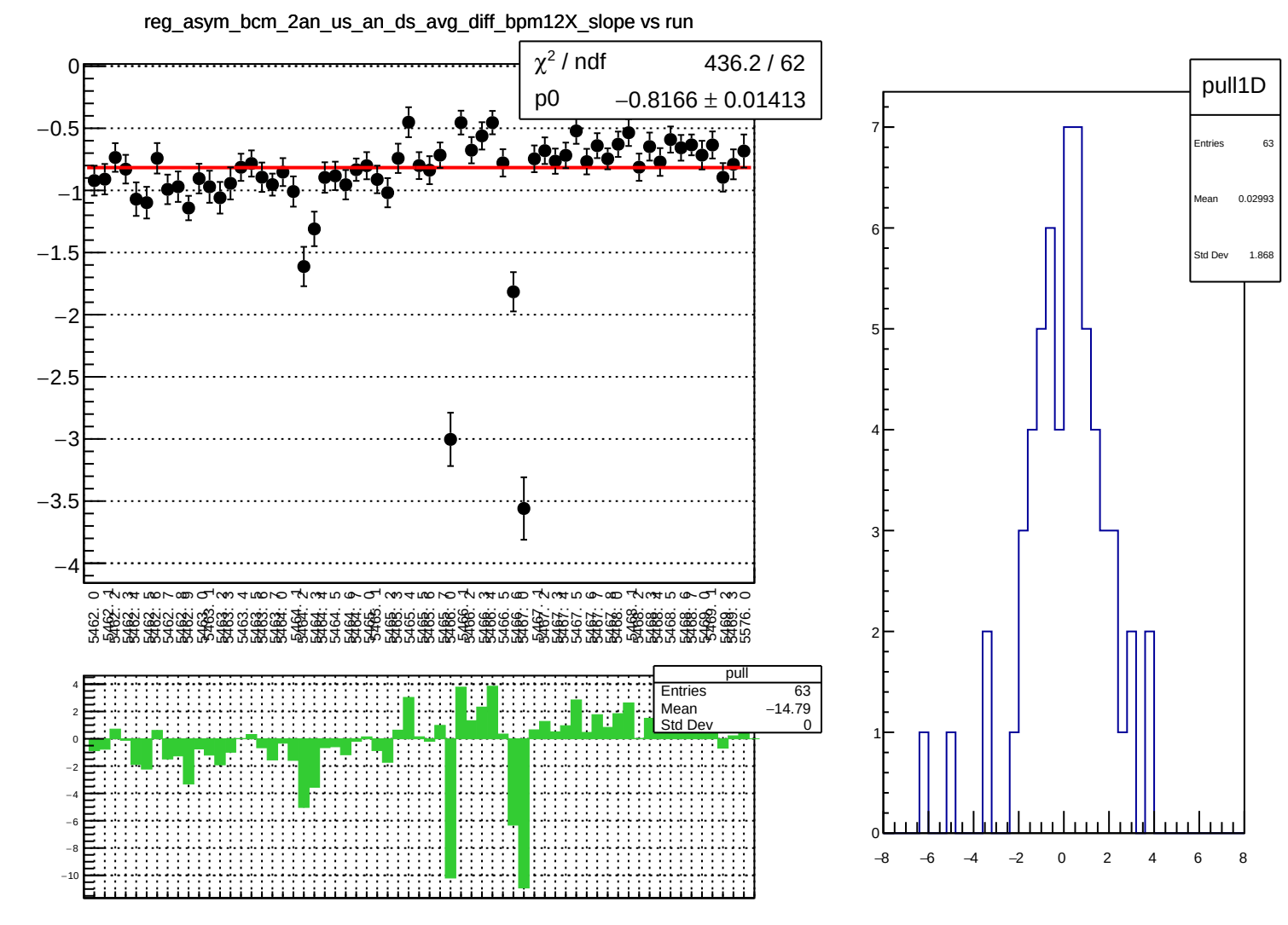

pull1D
Entries 63
Mean −0.0583
Std Dev 0.8902

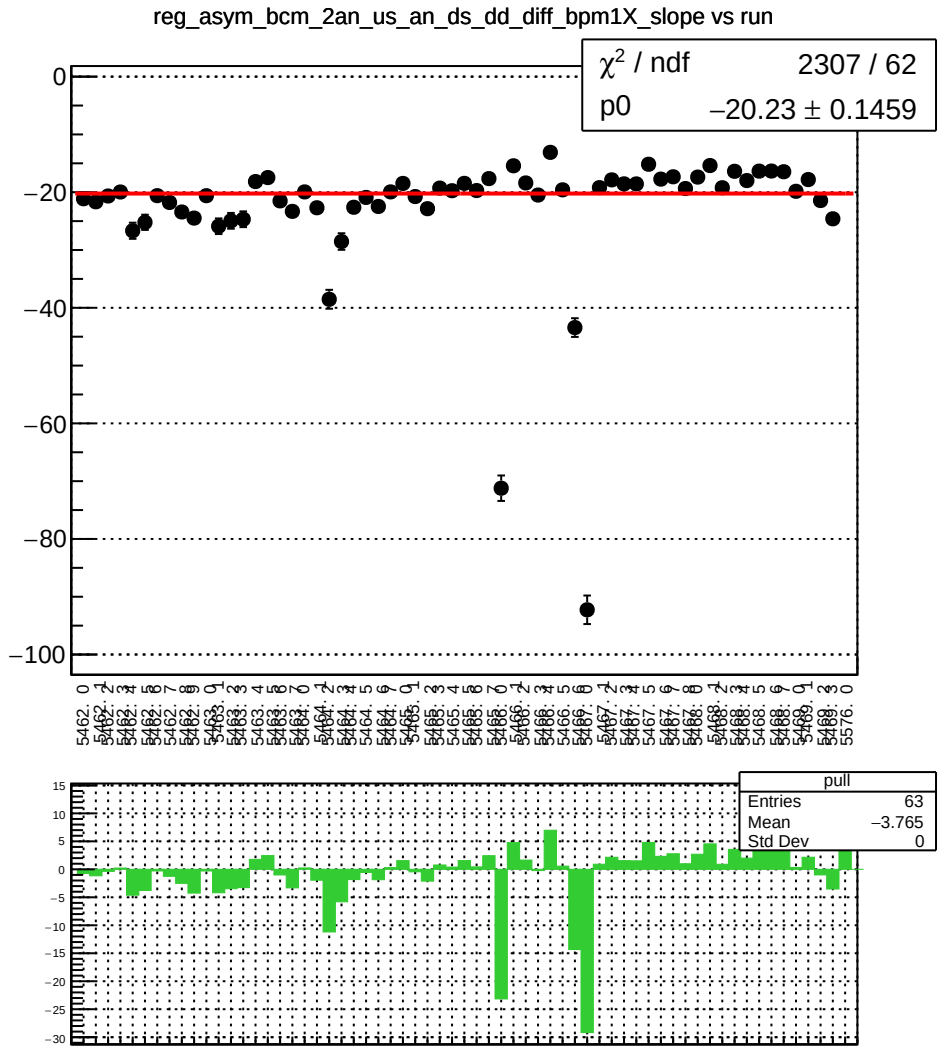

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2329 / 62
p0 46.64 ± 0.3385
pull
Entries 63
Mean −4.056
Std Dev 0

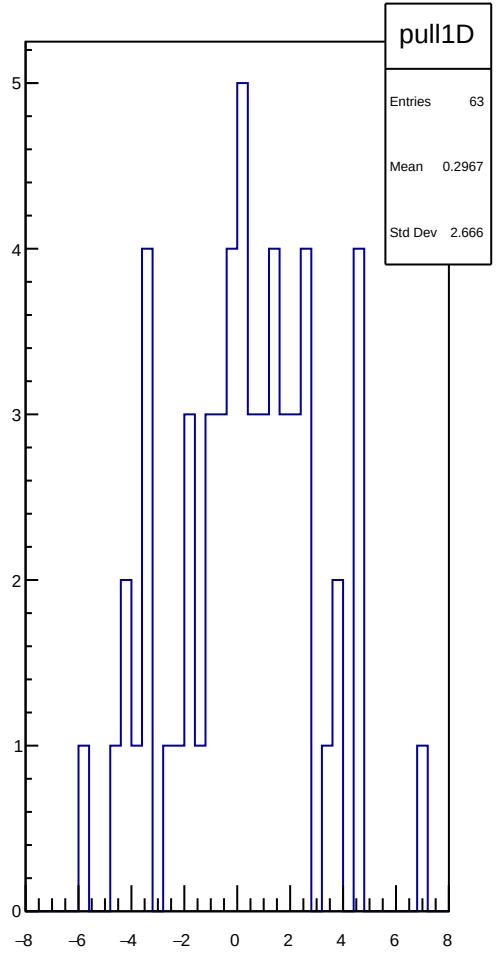

pull1D
Entries 63
Mean −0.2547
Std Dev 2.682

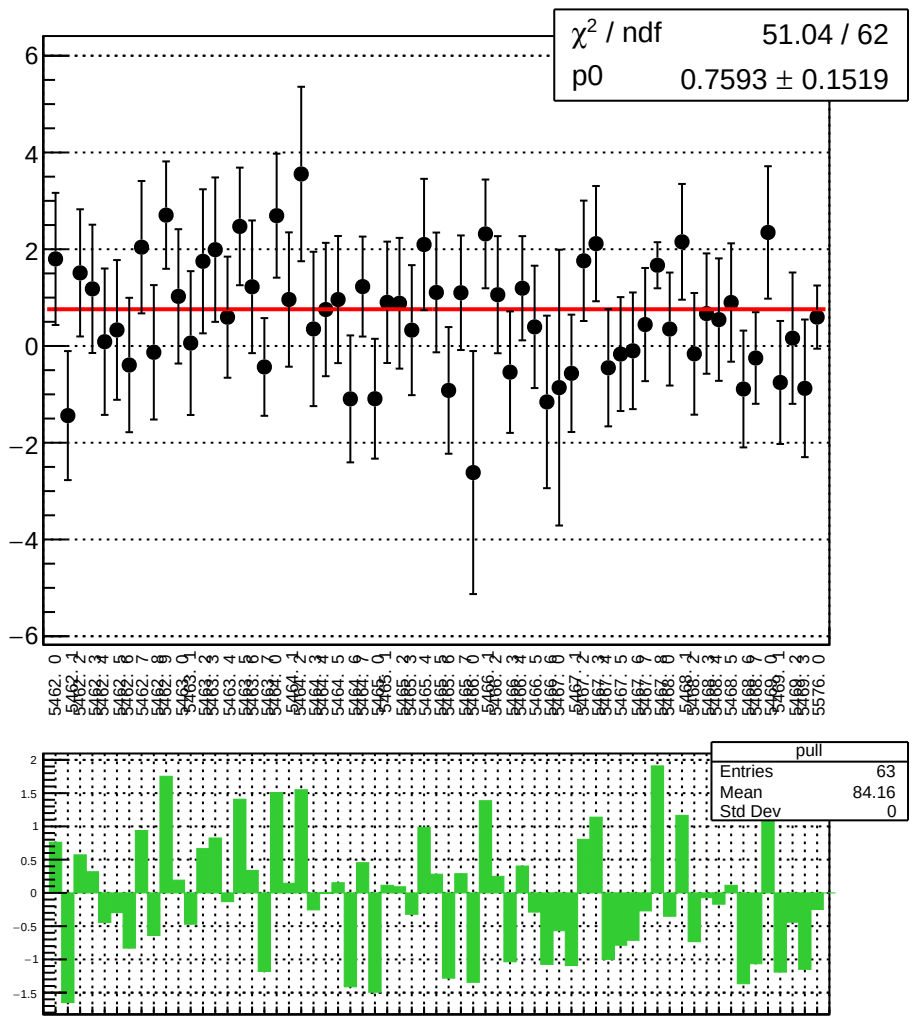

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.29 / 62
p0 −3.352 ± 0.535
pull
Entries 63
Mean 238.4
Std Dev 0

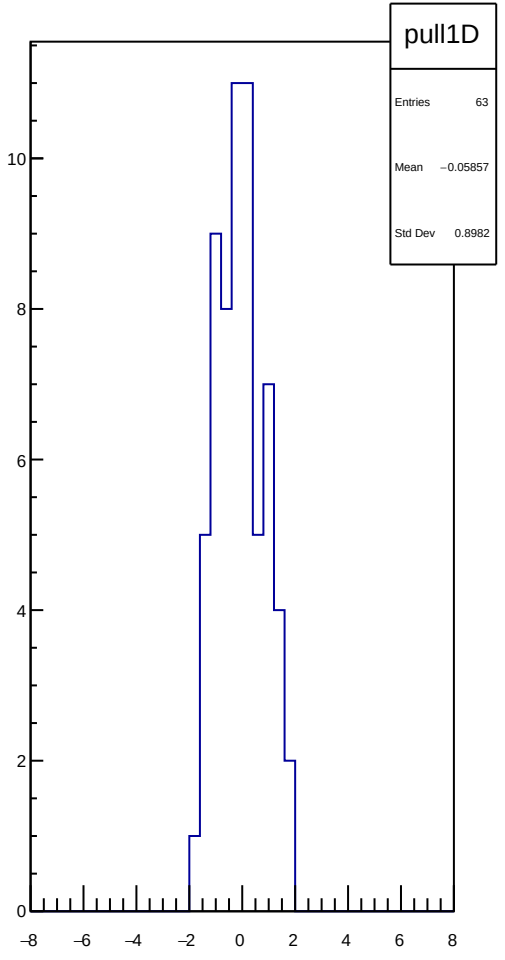

pull1D
Entries 63
Mean 0.01629
Std Dev 0.857

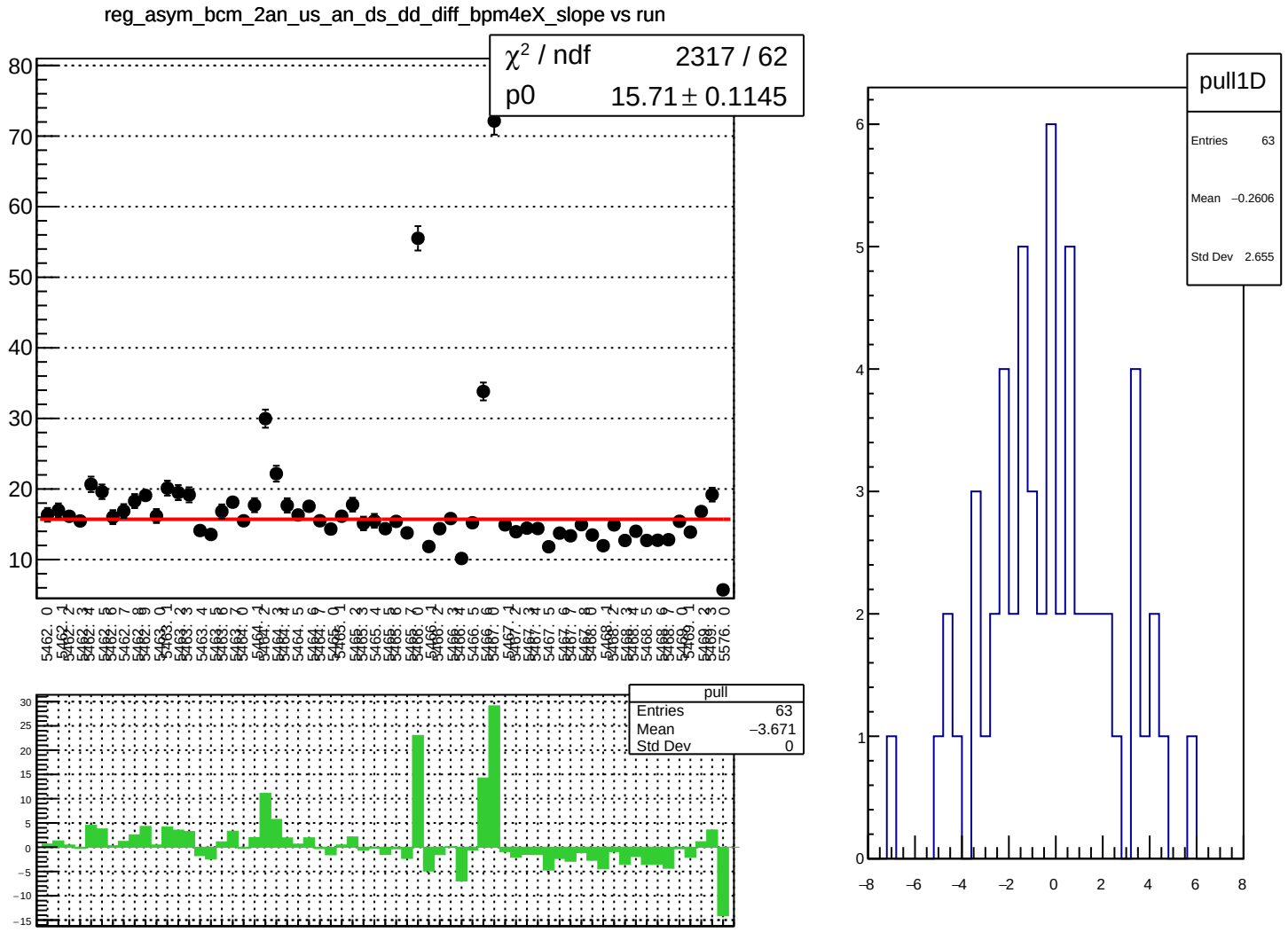

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 436.2 / 62
p0 −0.8166 ± 0.01413
pull
Entries 63
Mean −14.79
Std Dev 0
pull1D
Entries 63
Mean 0.02993
Std Dev 1.868

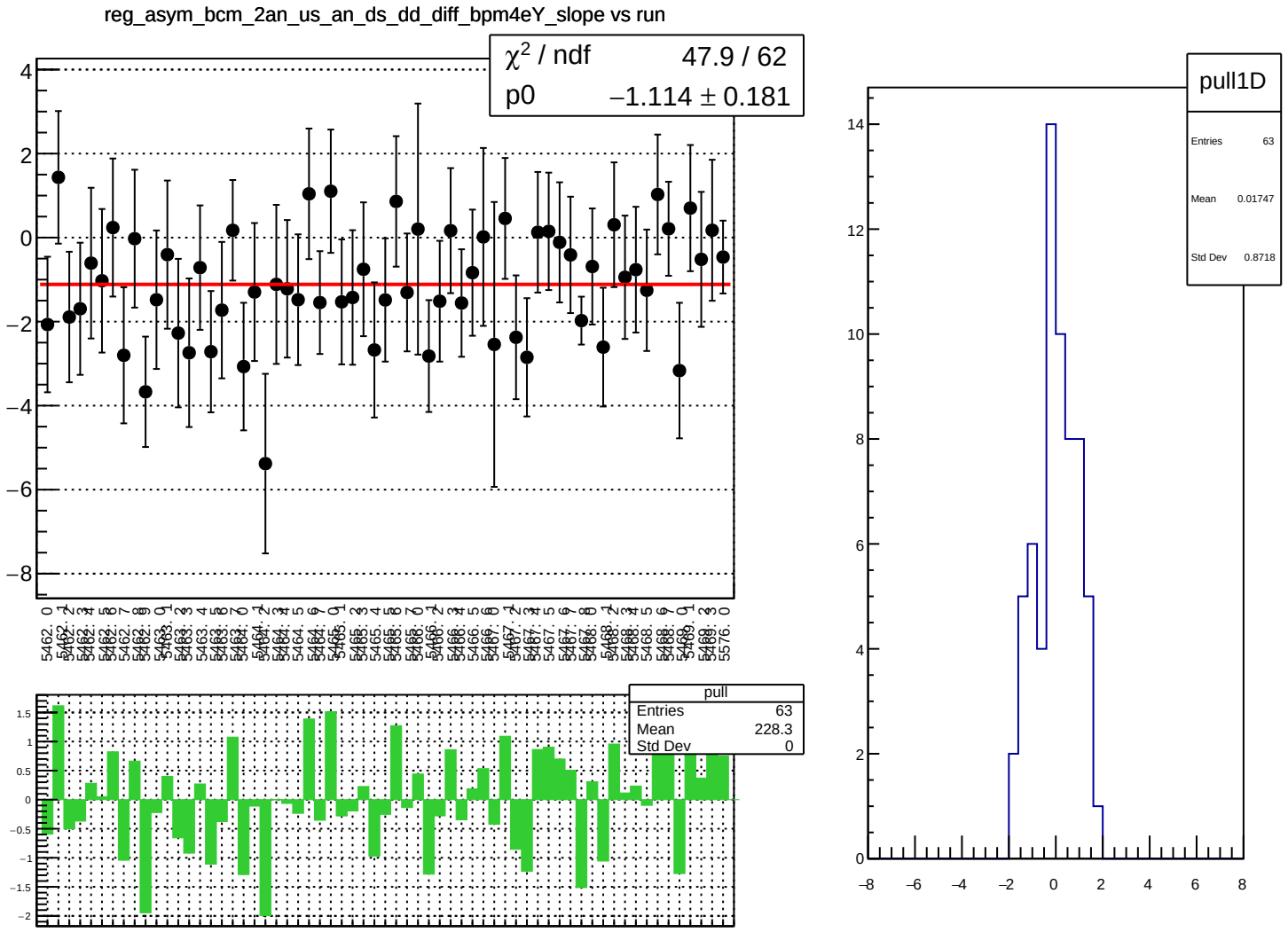

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 2307 / 62
p0 −20.23 ± 0.1459
pull
Entries 63
Mean −3.765
Std Dev 0

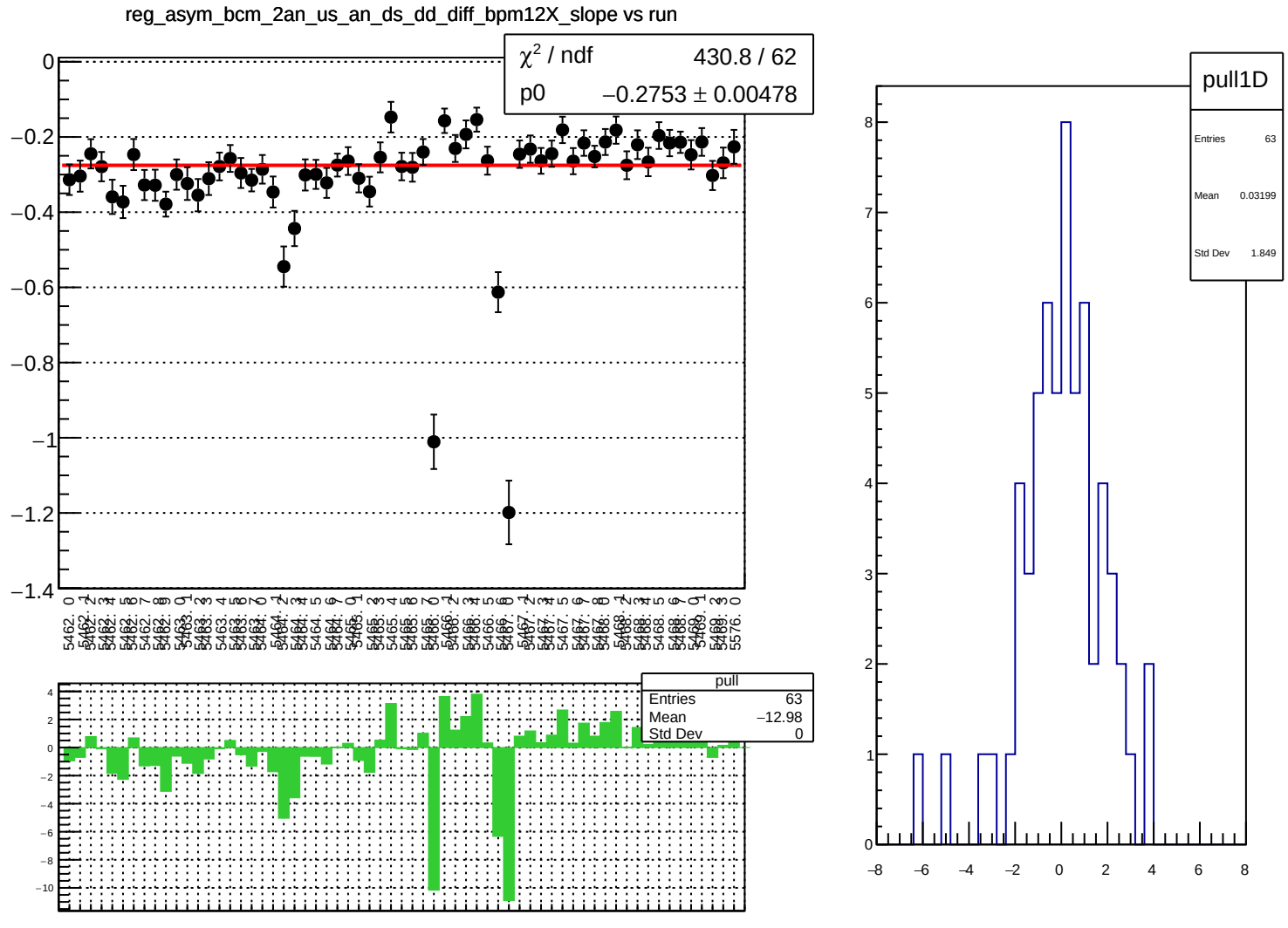

pull1D
Entries 63
Mean 0.2967
Std Dev 2.666

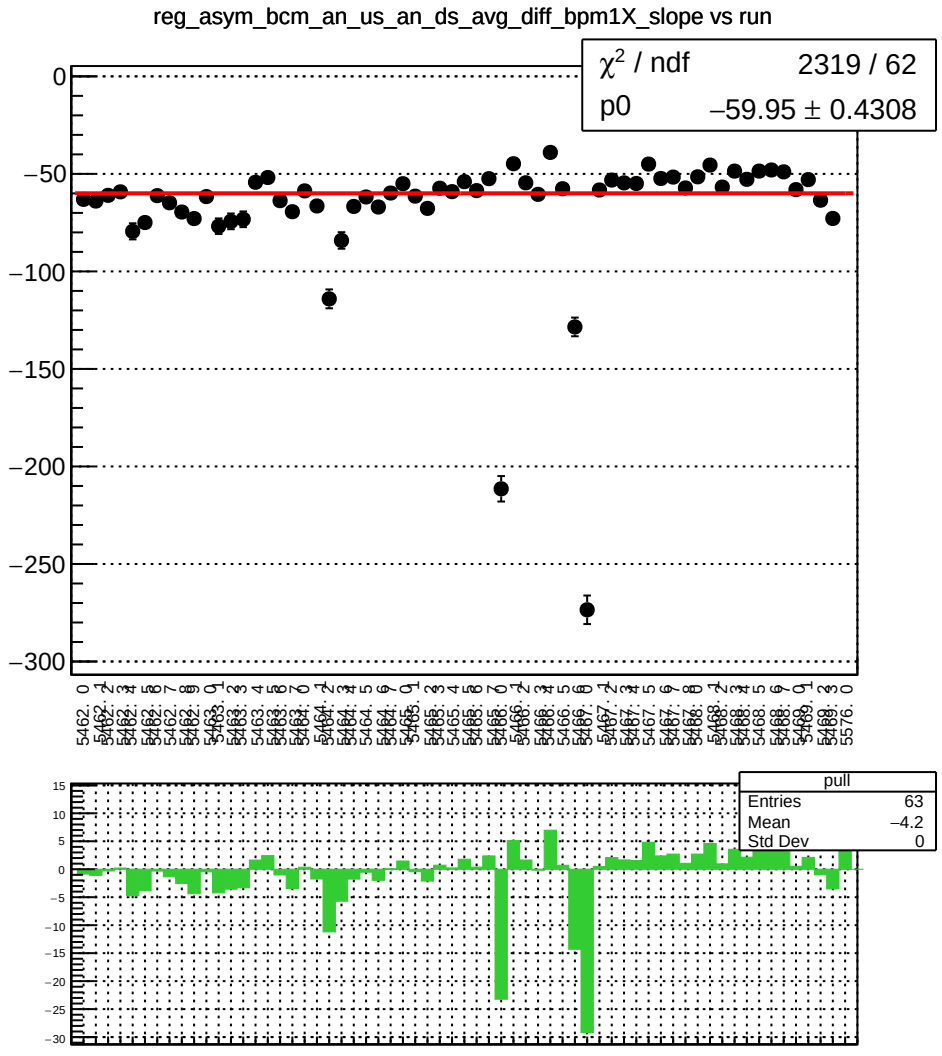

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.04 / 62
p0 0.7593 ± 0.1519
pull
Entries 63
Mean 84.16
Std Dev 0

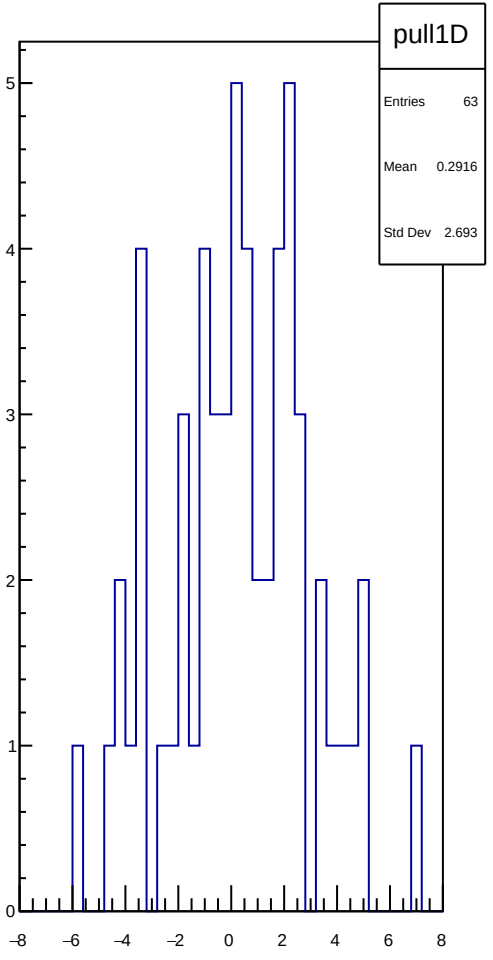

pull1D
Entries 63
Mean −0.05857
Std Dev 0.8982

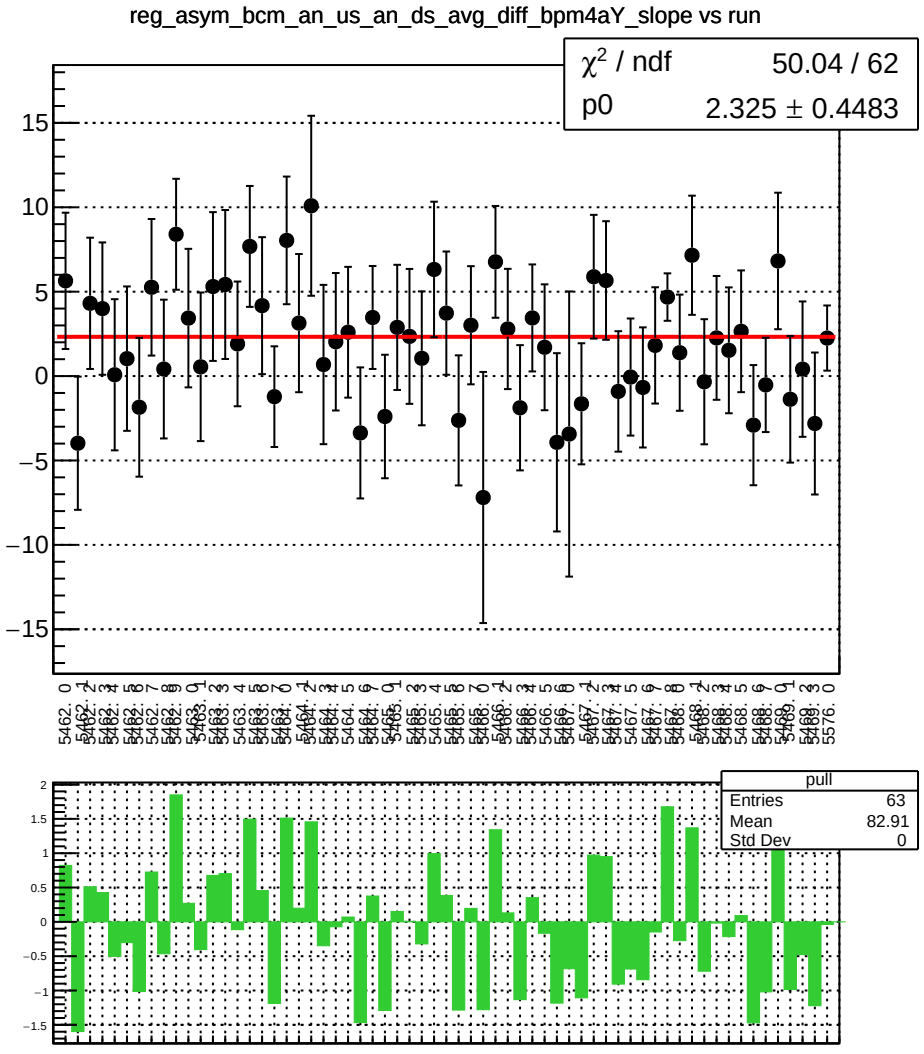

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 2317 / 62
p0 15.71 ± 0.1145
pull
Entries 63
Mean −3.671
Std Dev 0
pull1D
Entries 63
Mean −0.2606
Std Dev 2.655

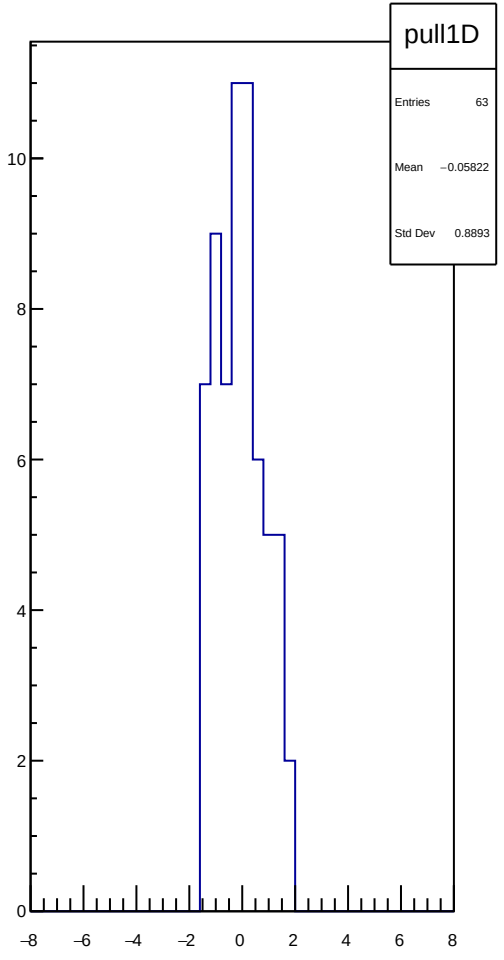

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.9 / 62
p0 −1.114 ± 0.181
pull
Entries 63
Mean 228.3
Std Dev 0
pull1D
Entries 63
Mean 0.01747
Std Dev 0.8718

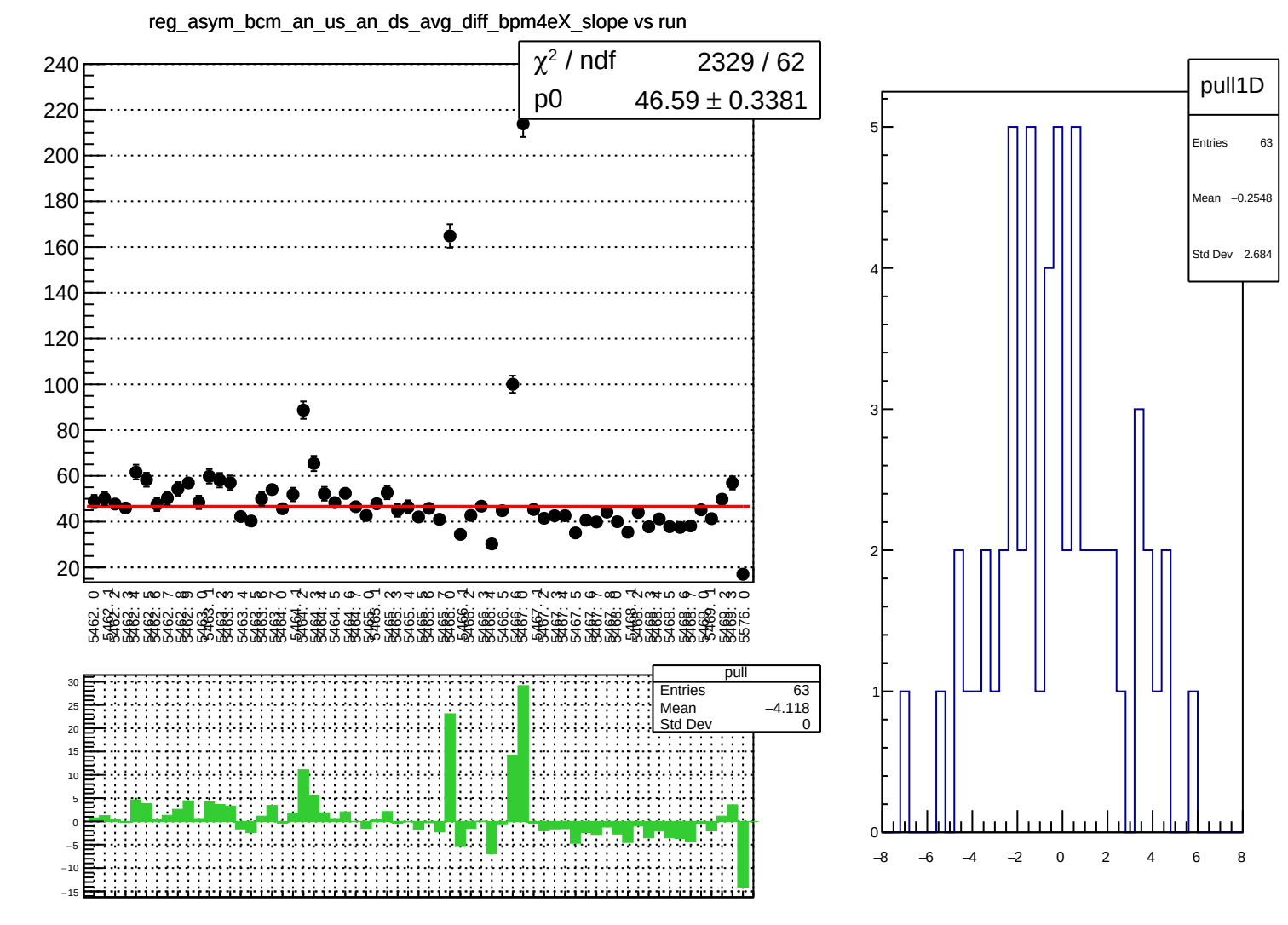

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 430.8 / 62
p0 −0.2753 ± 0.00478
pull
Entries 63
Mean −12.98
Std Dev 0
pull1D
Entries 63
Mean 0.03199
Std Dev 1.849

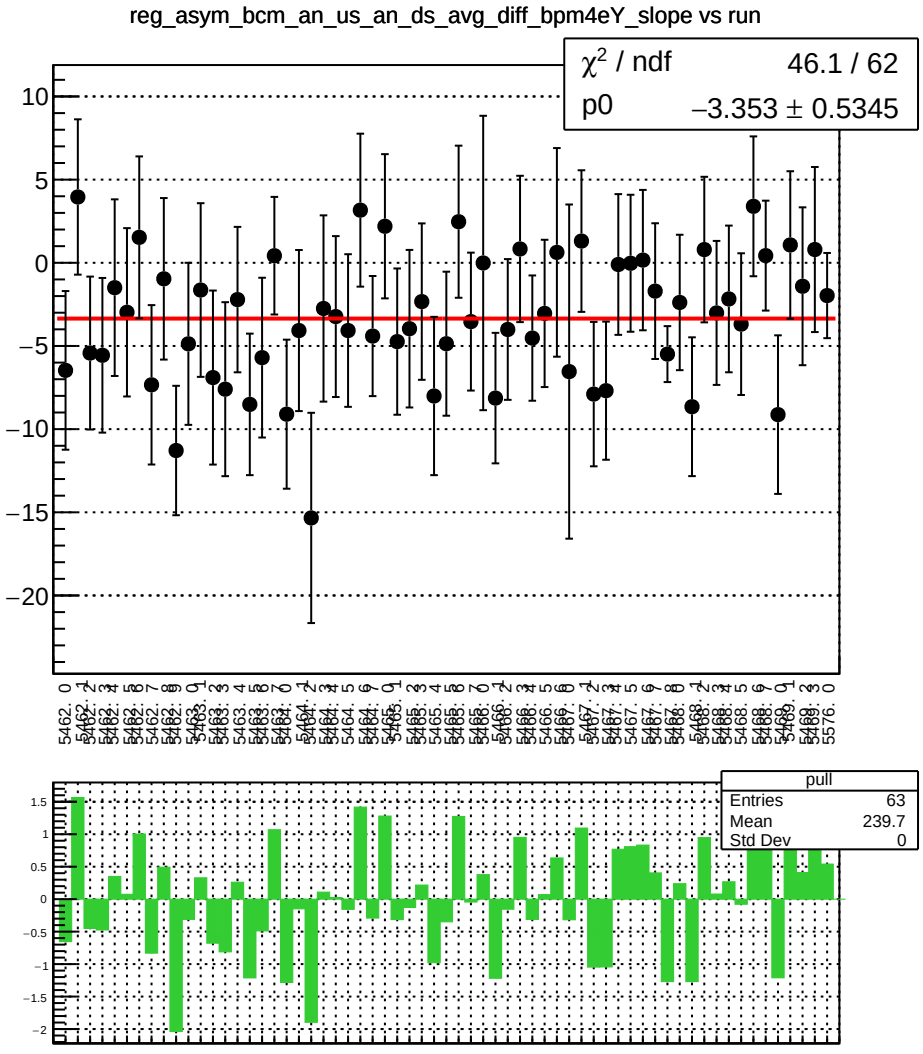

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2319 / 62
p0 −59.95 ± 0.4308
pull
Entries 63
Mean −4.2
Std Dev 0

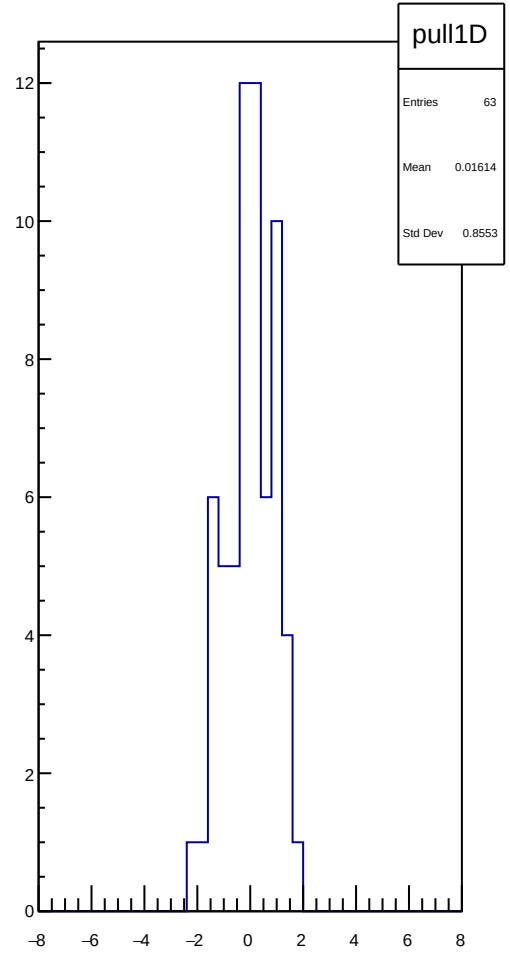

pull1D
Entries 63
Mean 0.2916
Std Dev 2.693

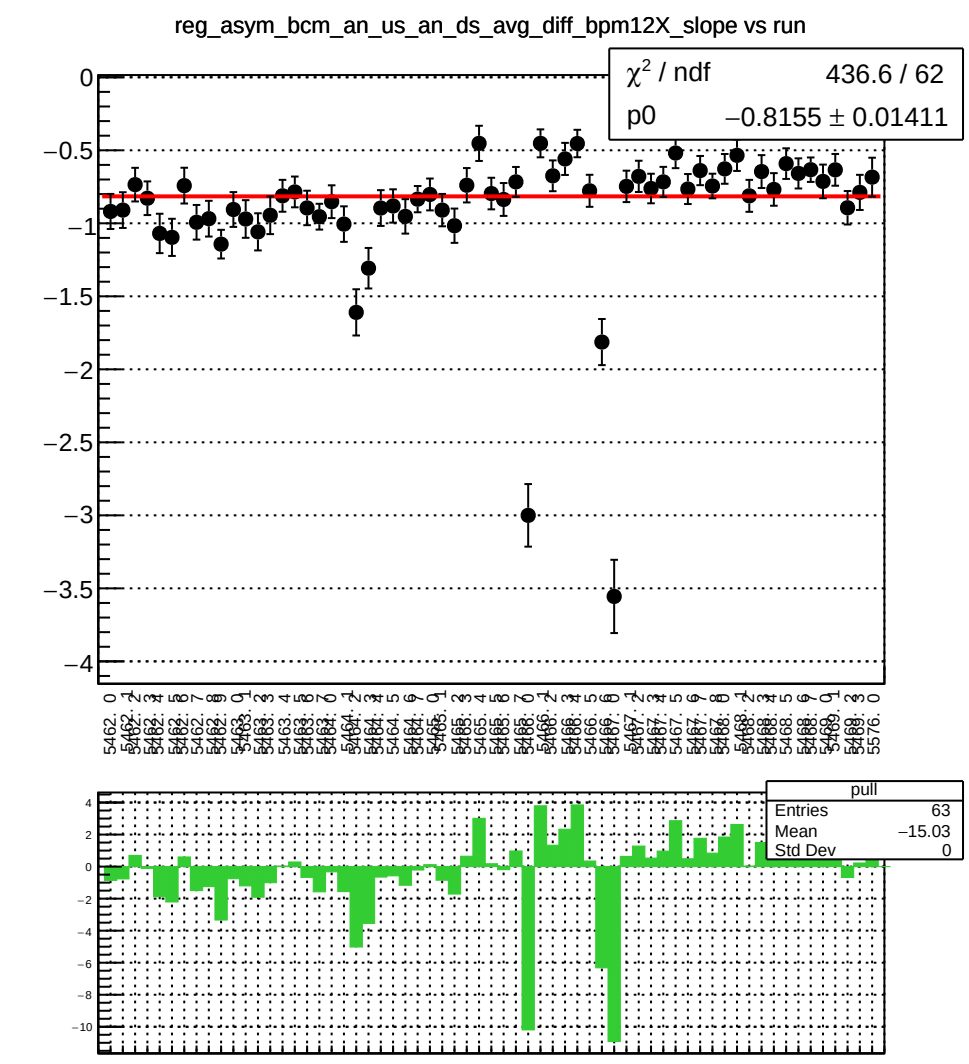

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.04 / 62
p0 2.325 ± 0.4483
pull
Entries 63
Mean 82.91
Std Dev 0

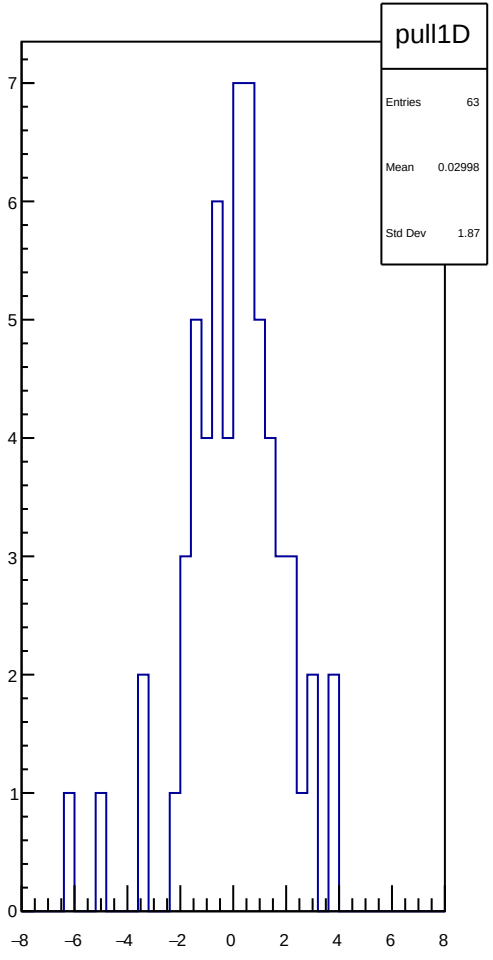

pull1D
Entries 63
Mean −0.05822
Std Dev 0.8893

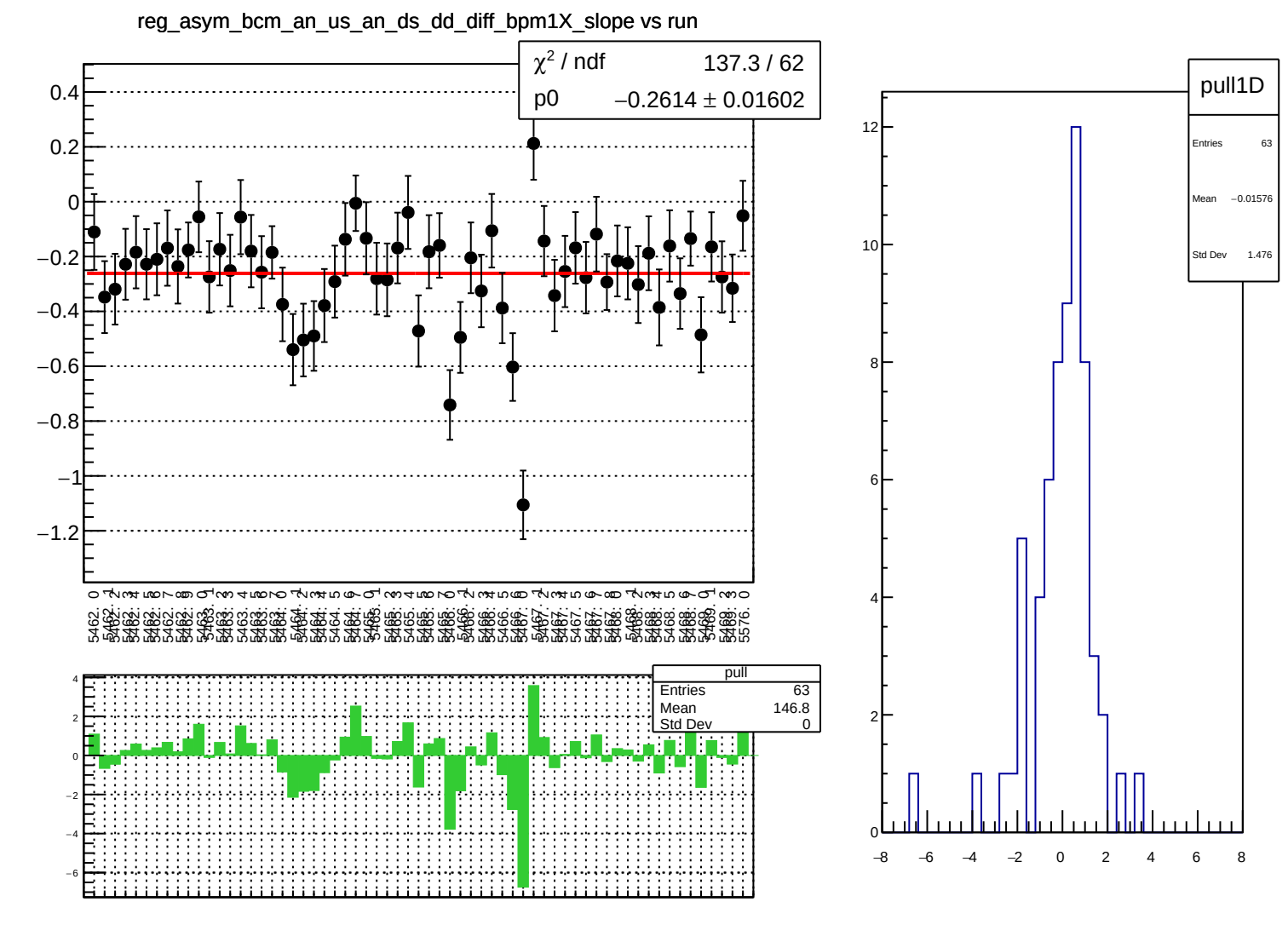

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2329 / 62
p0 46.59 ± 0.3381
pull
Entries 63
Mean −4.118
Std Dev 0
pull1D
Entries 63
Mean −0.2548
Std Dev 2.684

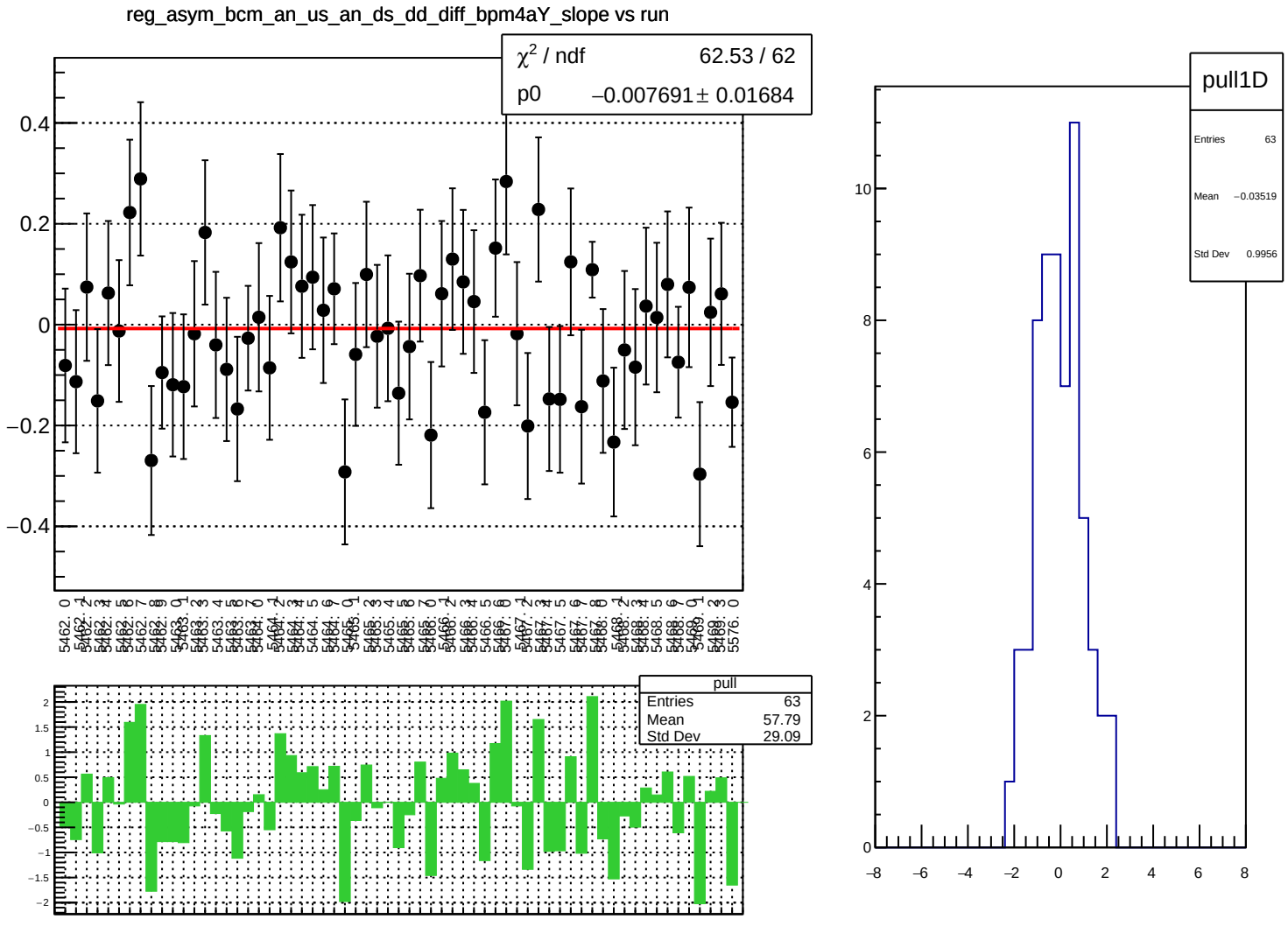

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.1 / 62
p0 −3.353 ± 0.5345
pull
Entries 63
Mean 239.7
Std Dev 0

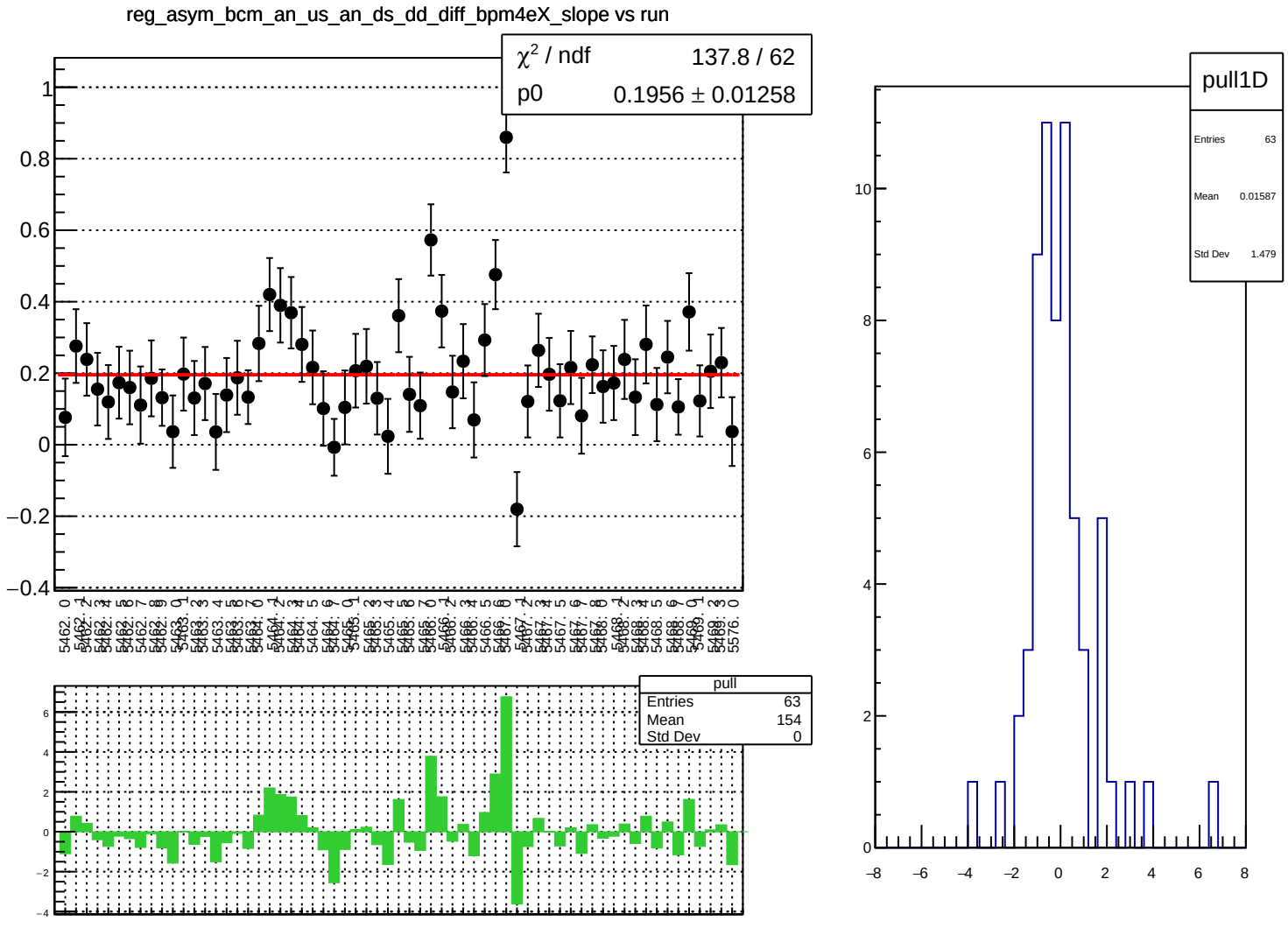

pull1D
Entries 63
Mean 0.01614
Std Dev 0.8553

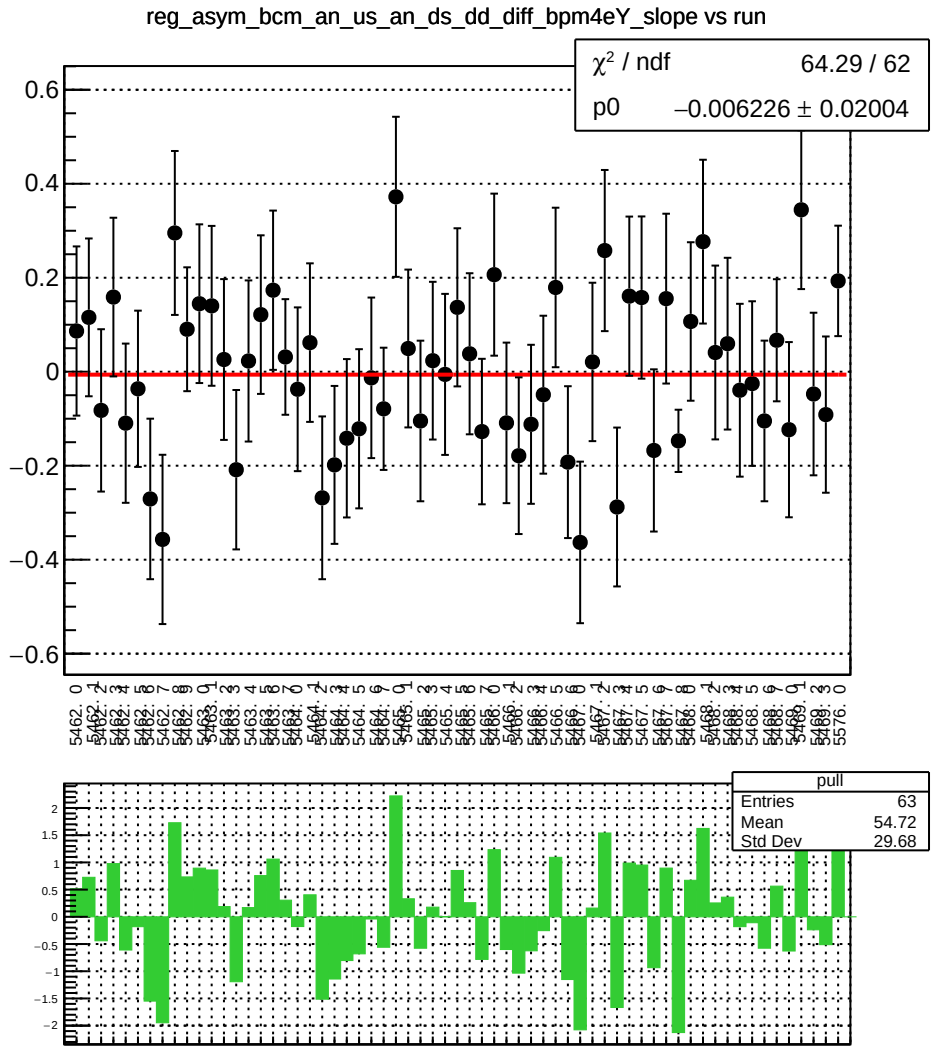

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 436.6 / 62
p0 −0.8155 ± 0.01411
pull
Entries 63
Mean −15.03
Std Dev 0

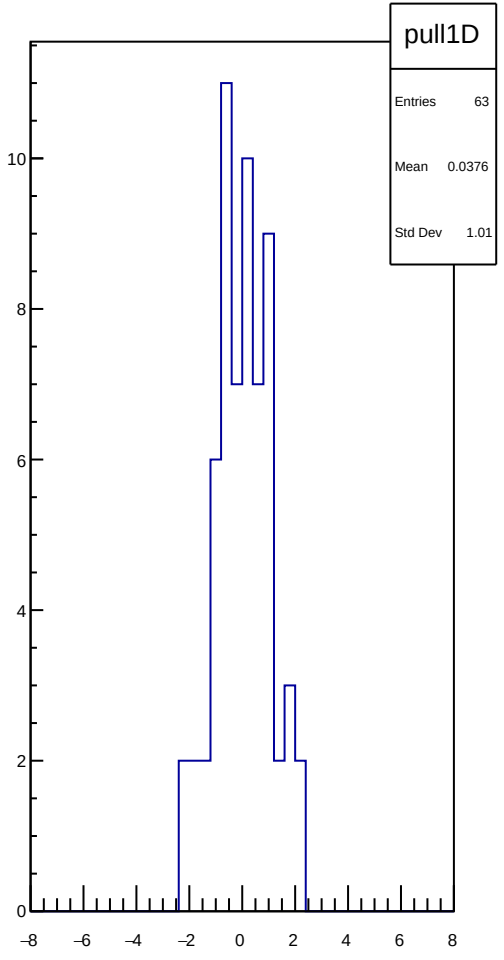

pull1D
Entries 63
Mean 0.02998
Std Dev 1.87

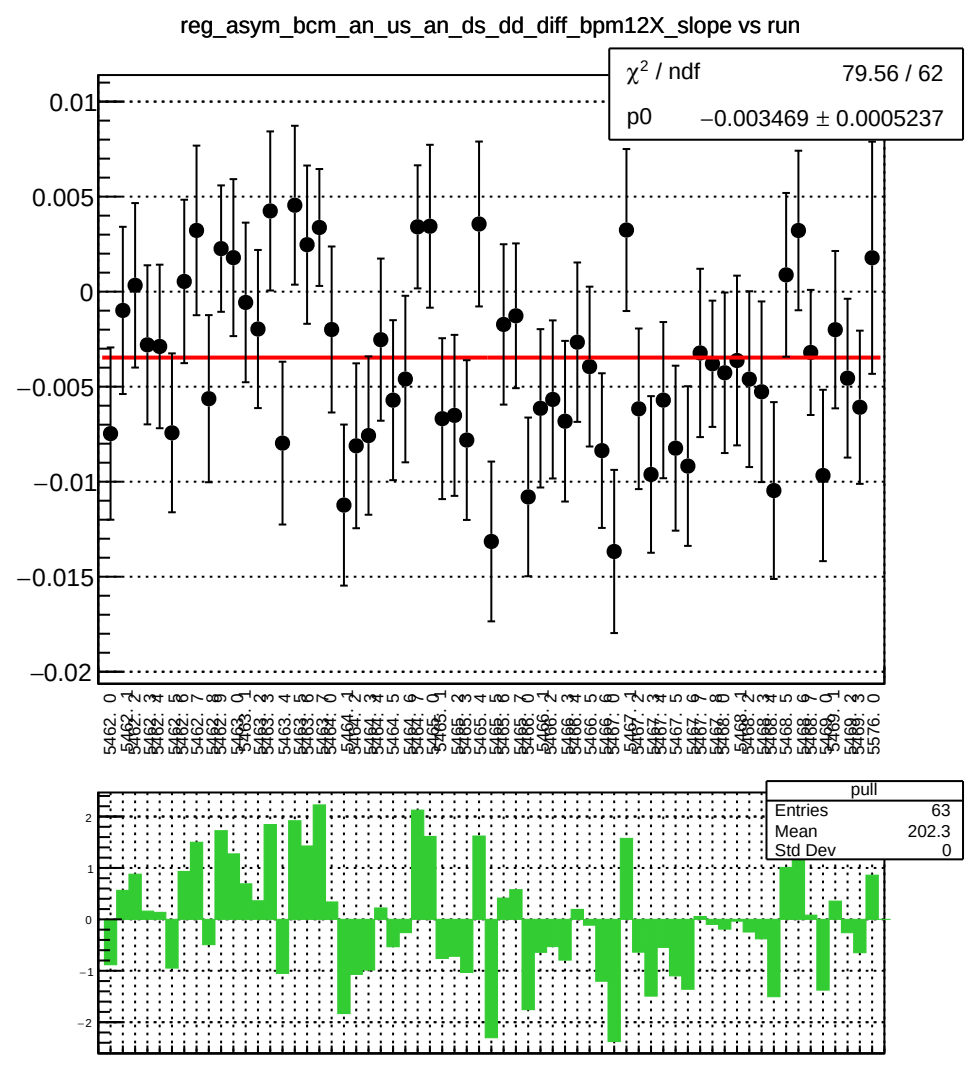

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 137.3 / 62
p0 −0.2614 ± 0.01602
pull
Entries 63
Mean 146.8
Std Dev 0
pull1D
Entries 63
Mean −0.01576
Std Dev 1.476

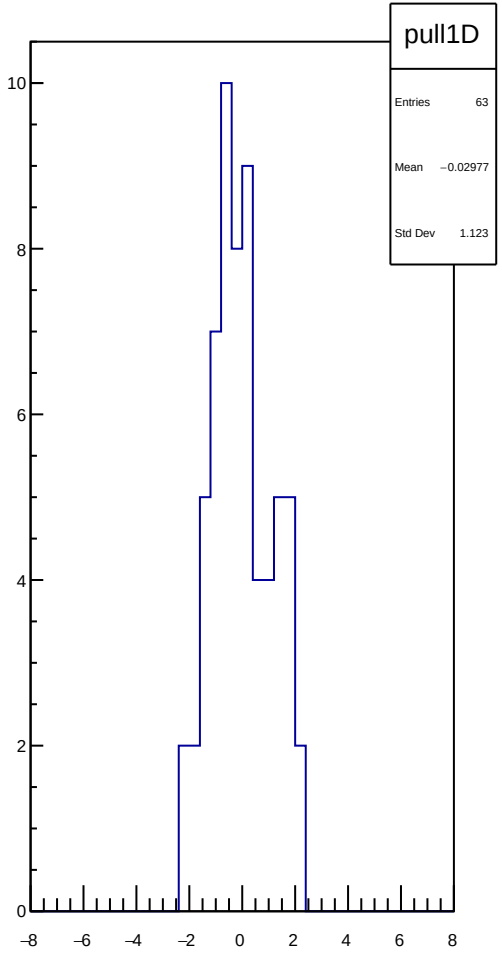

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.53 / 62
p0 −0.007691 ± 0.01684
pull
Entries 63
Mean 57.79
Std Dev 29.09
pull1D
Entries 63
Mean −0.03519
Std Dev 0.9956

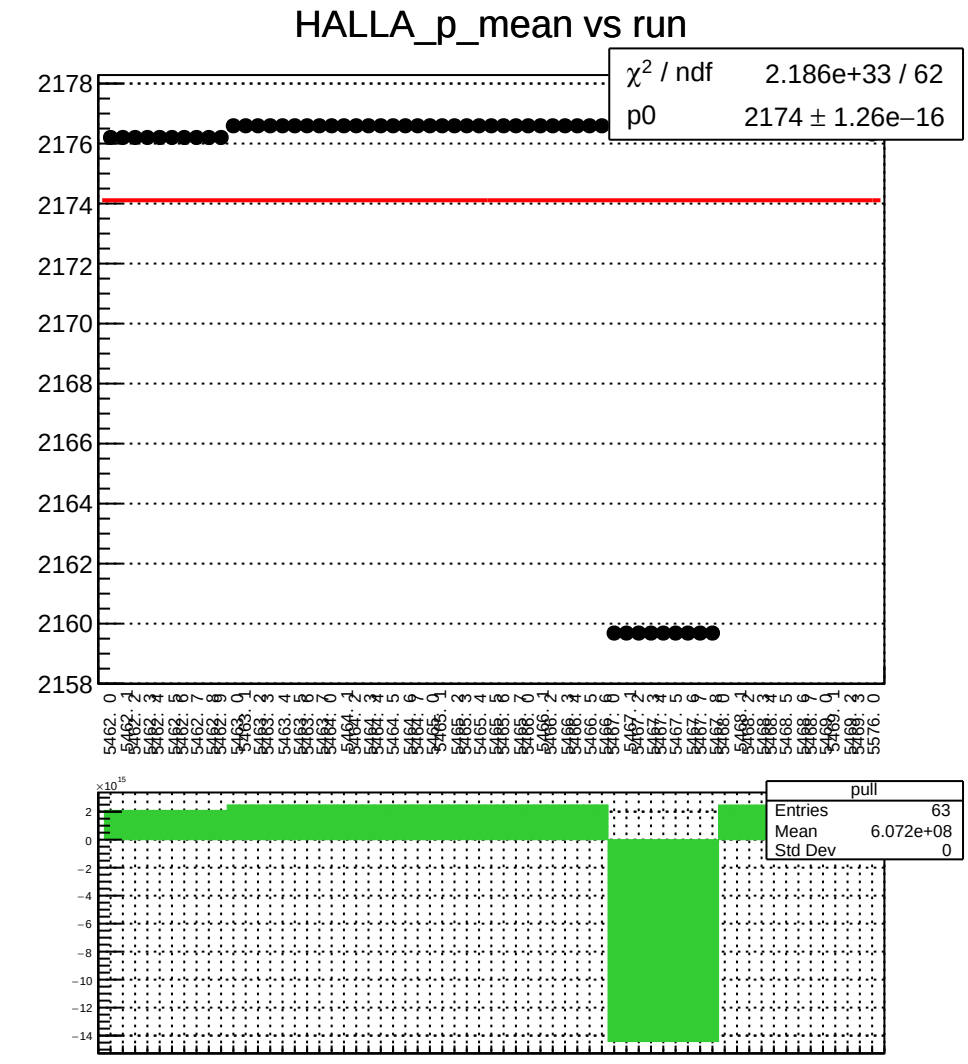

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 137.8 / 62
p0 0.1956 ± 0.01258
pull
Entries 63
Mean 154
Std Dev 0
pull1D
Entries 63
Mean 0.01587
Std Dev 1.479

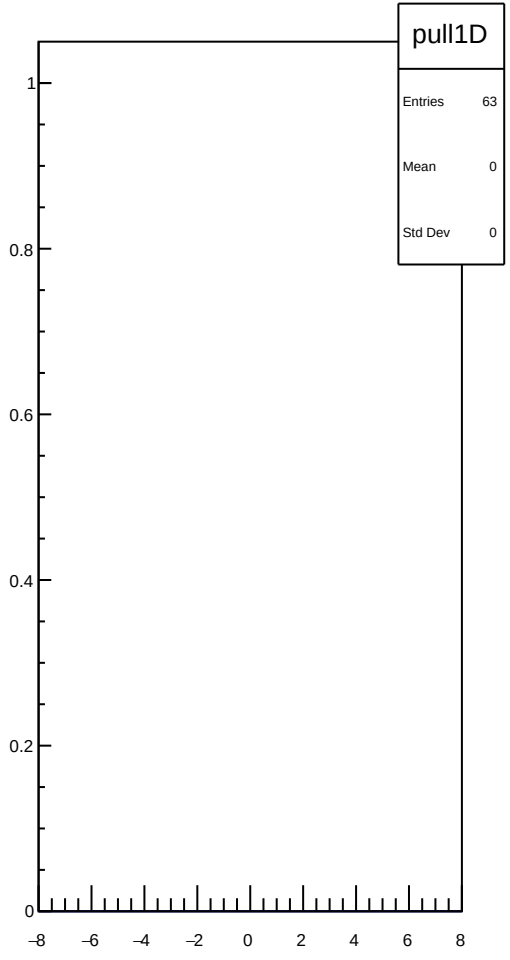

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.29 / 62
p0 −0.006226 ± 0.02004
pull
Entries 63
Mean 54.72
Std Dev 29.68

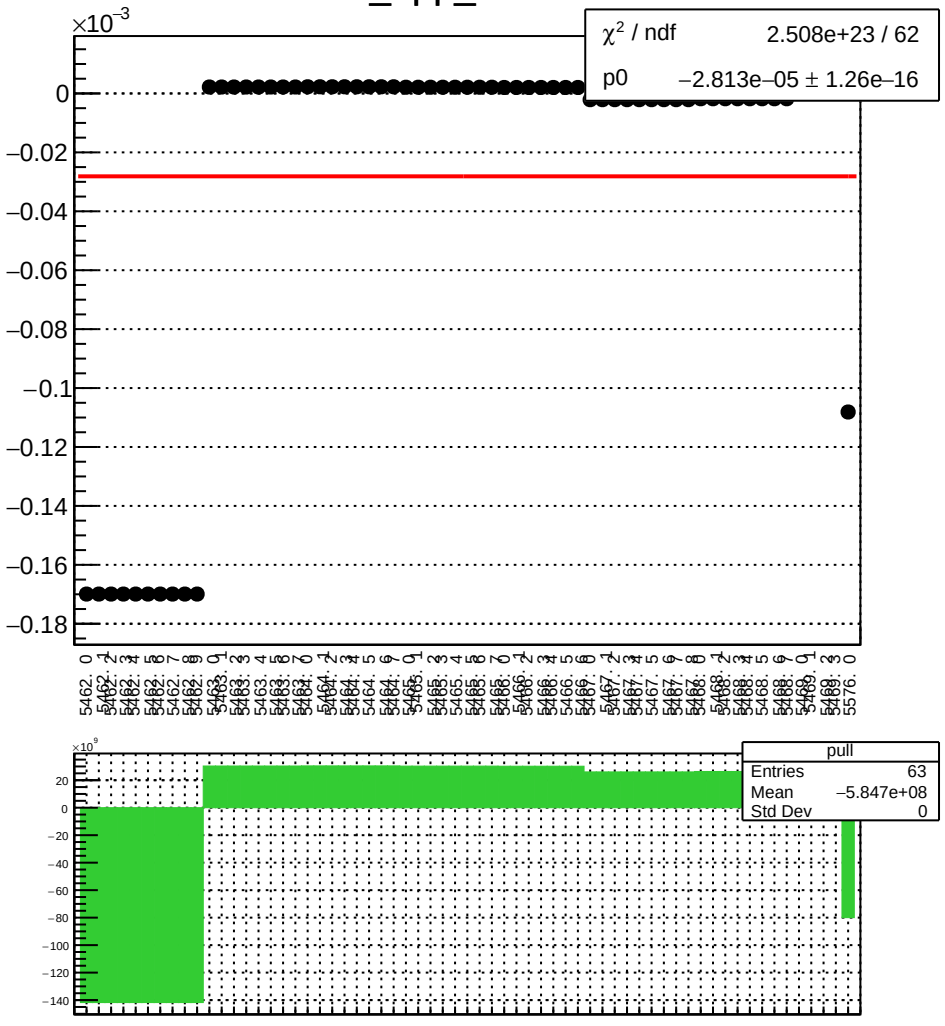

pull1D
Entries 63
Mean 0.0376
Std Dev 1.01

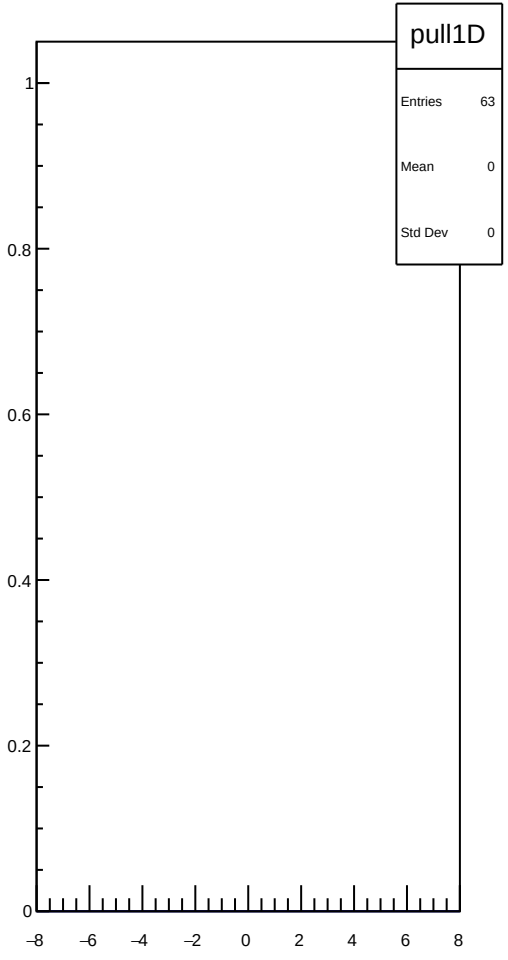

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.56 / 62
p0 −0.003469 ± 0.0005237
pull
Entries 63
Mean 202.3
Std Dev 0

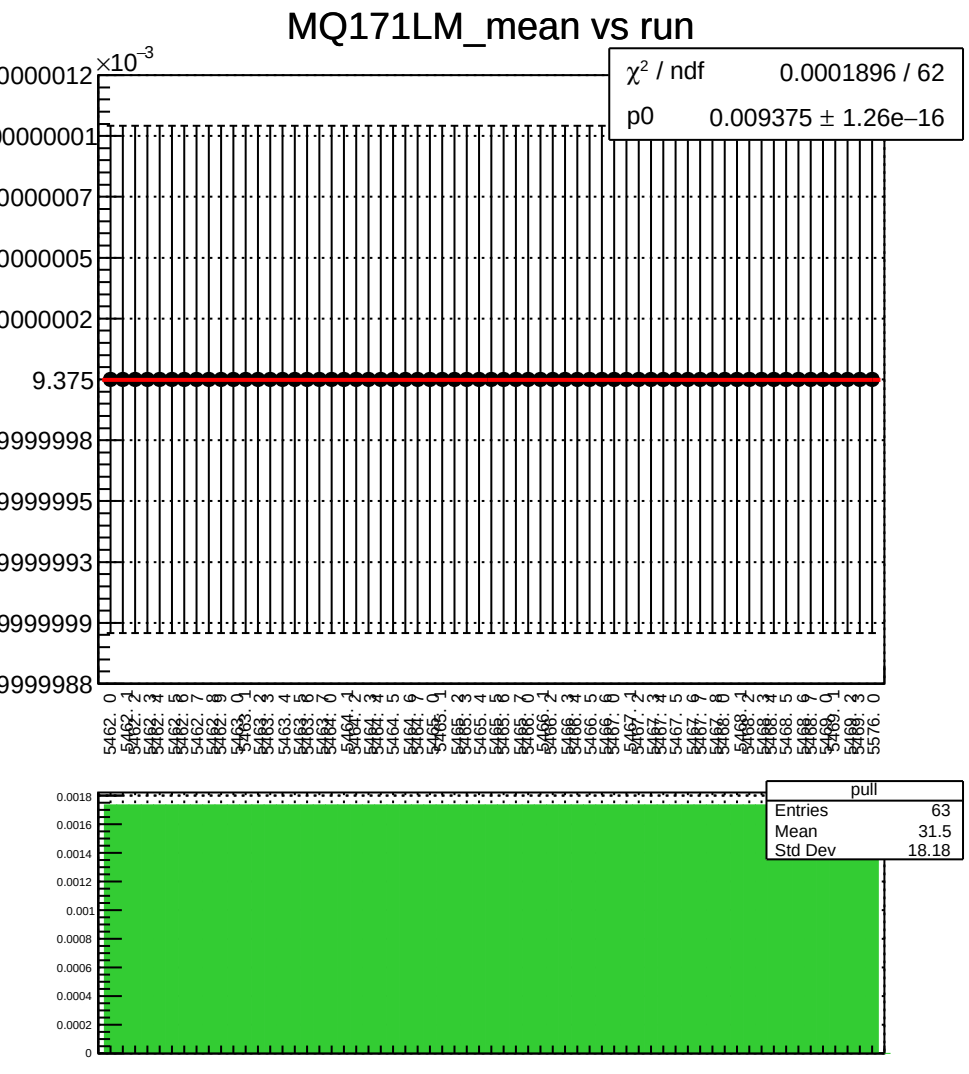

pull1D
Entries 63
Mean −0.02977
Std Dev 1.123

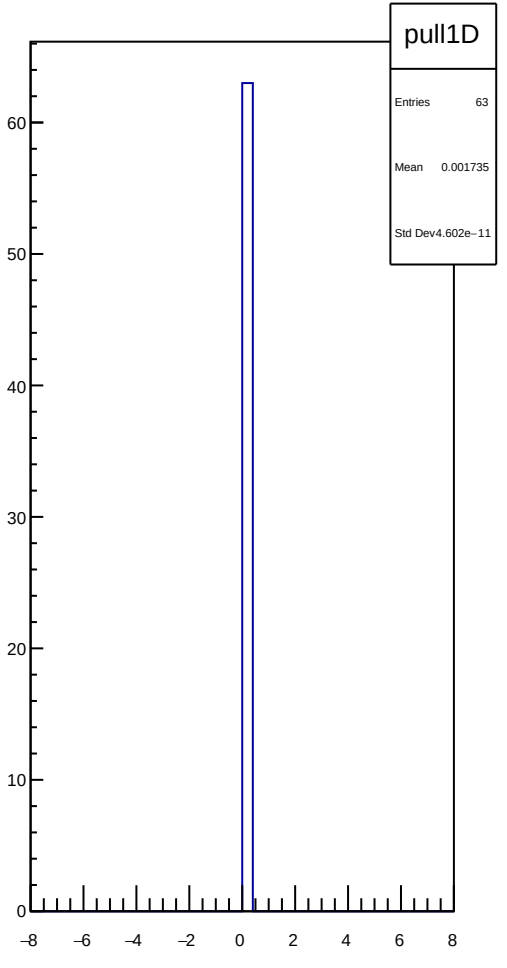

HALLA_p_mean vs run
χ² / ndf 2.186e+33 / 62
p0 2174 ± 1.26e−16
pull
Entries 63
Mean 6.072e+08
Std Dev 0

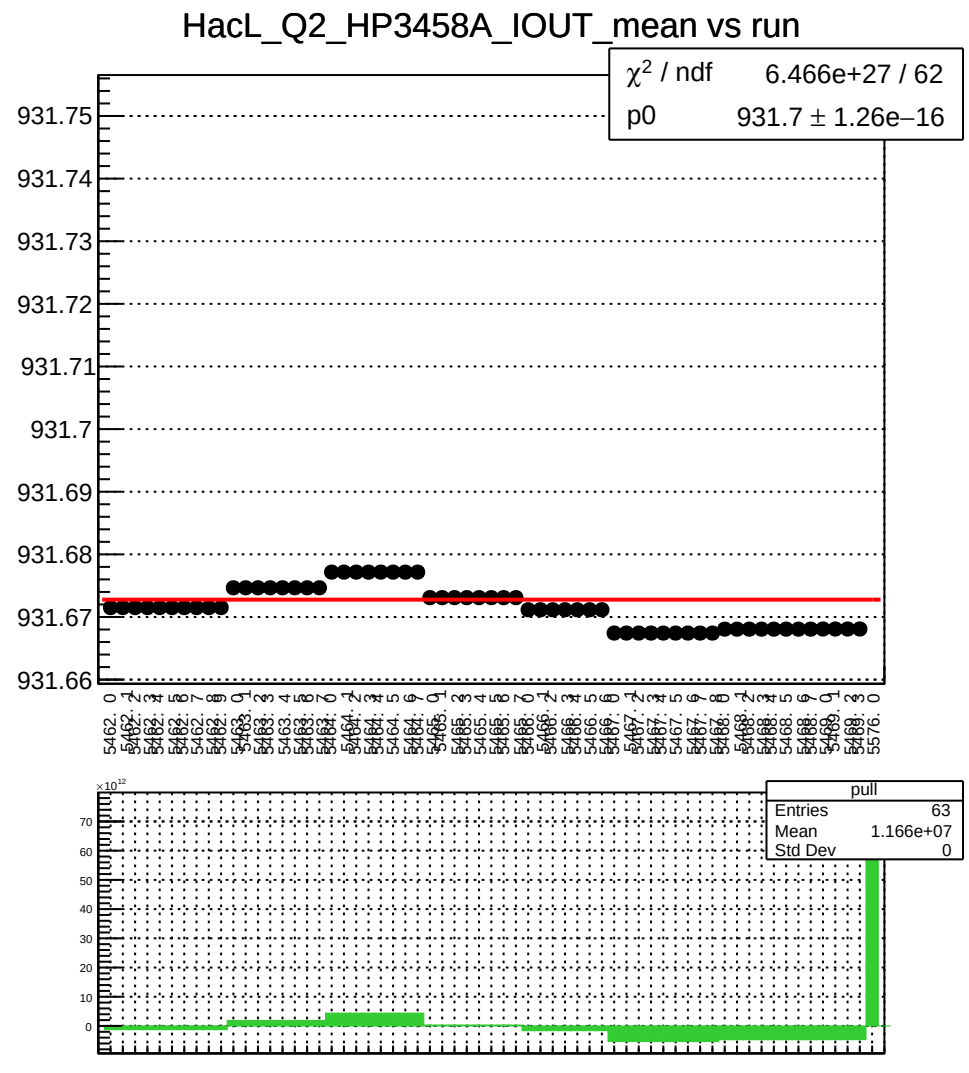

pull1D
Entries 63
Mean 0
Std Dev 0

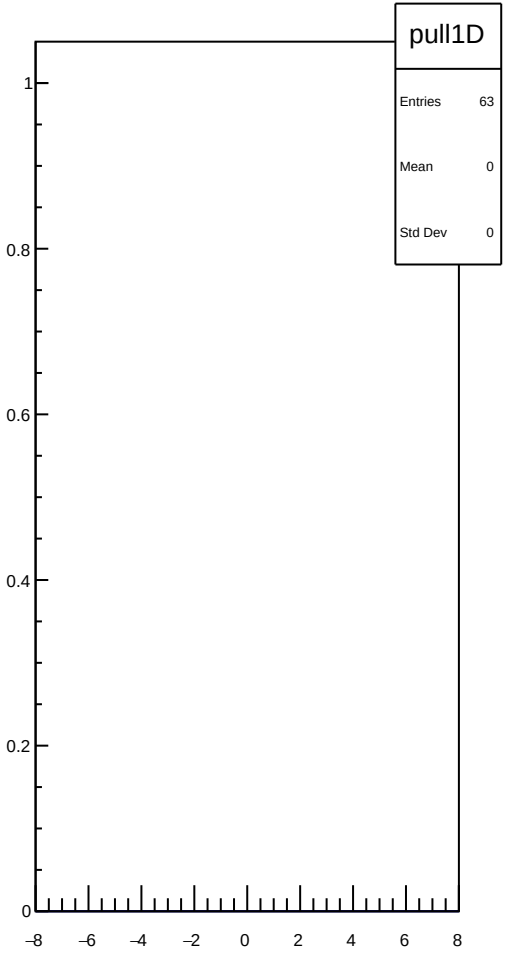

HALLA_dpp_mean vs run
χ² / ndf 2.508e+23 / 62
p0 −2.813e−05 ± 1.26e−16
pull
Entries 63
Mean −5.847e+08
Std Dev 0

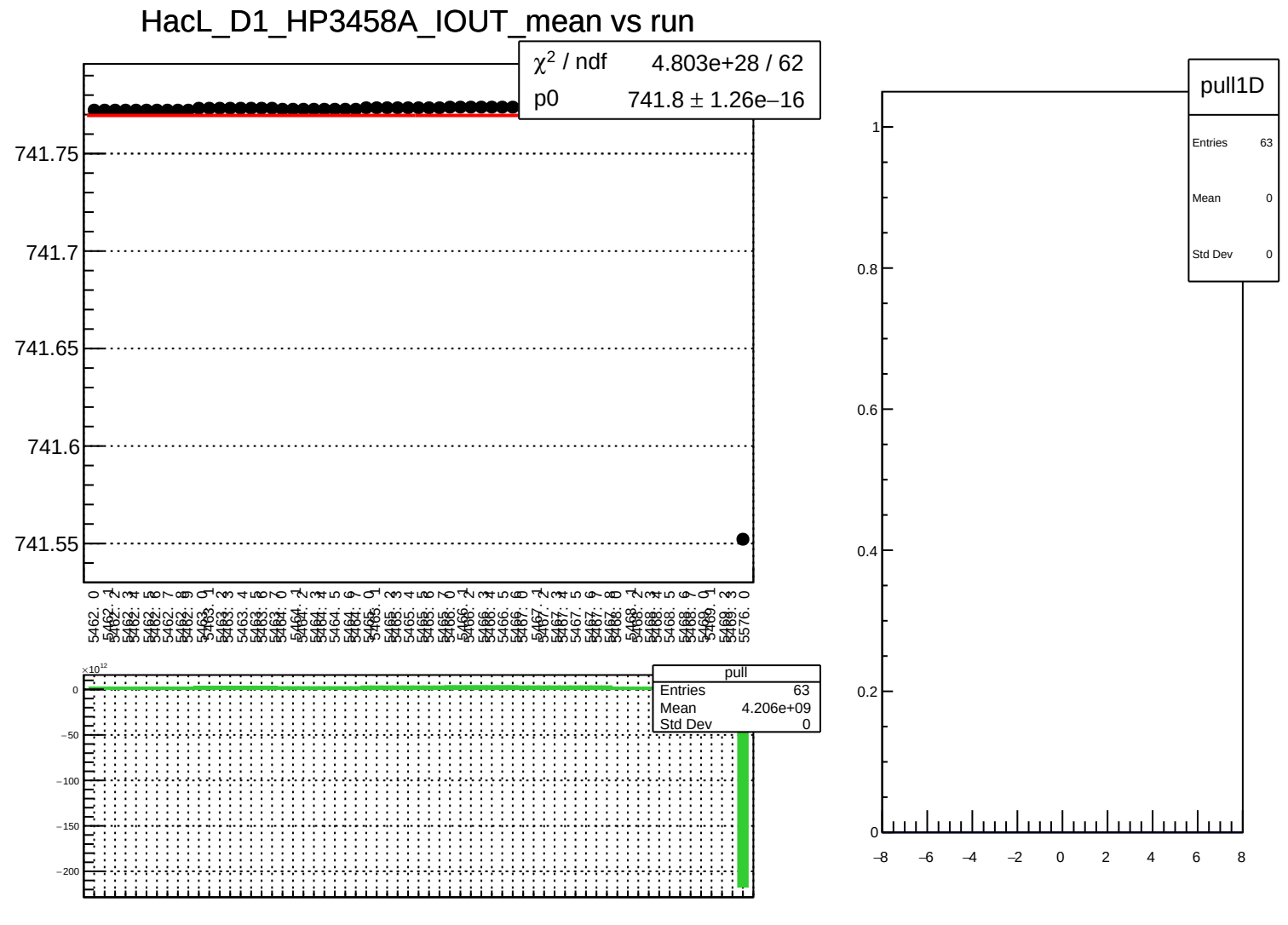

pull1D
Entries 63
Mean 0
Std Dev 0

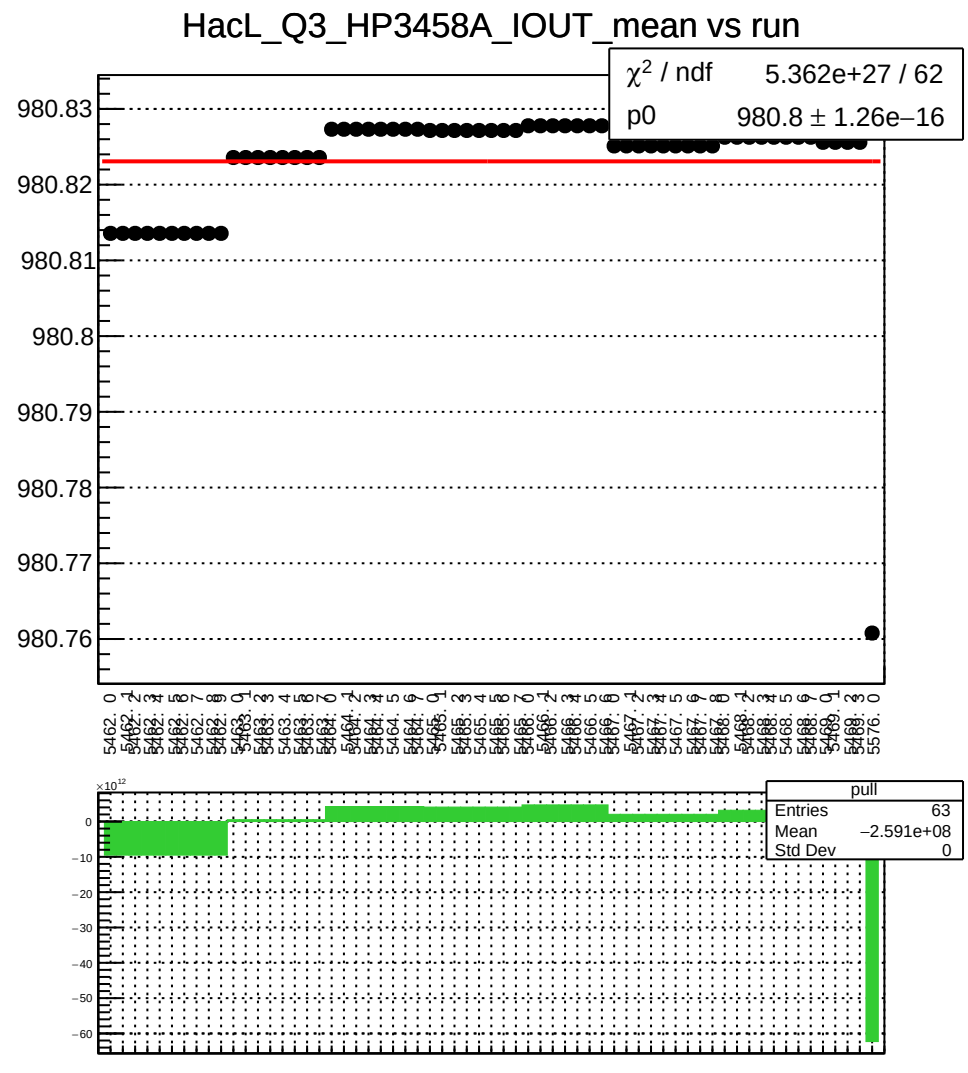

MQ171LM_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18

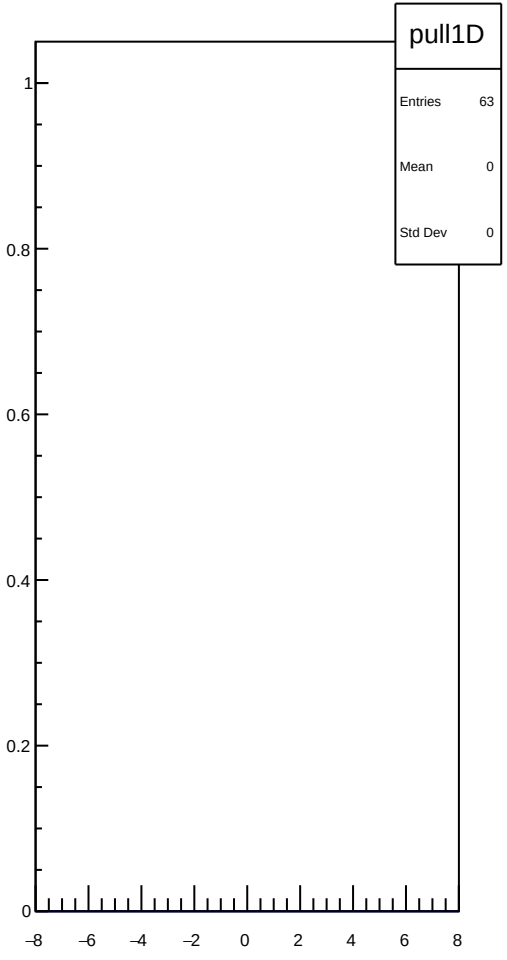

pull1D
Entries 63
Mean 0.001735
Std Dev4.602e−11

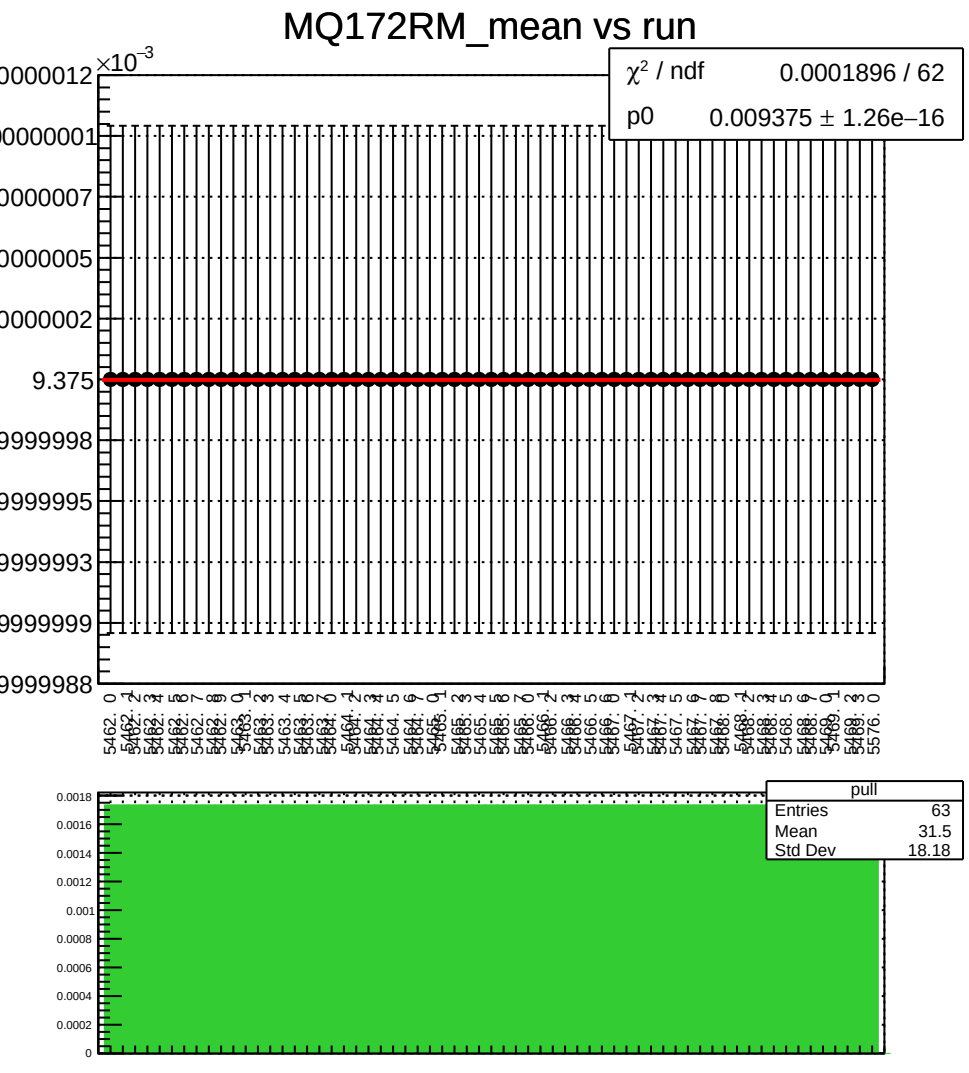

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 6.466e+27 / 62
p0 931.7 ± 1.26e−16
931.75
931.74
931.73
931.72
931.71
931.7
931.69
931.68
931.67
931.66
pull
Entries 63
Mean 1.166e+07
Std Dev 0
×10¹²
70
60
50
40
30
20
10
0

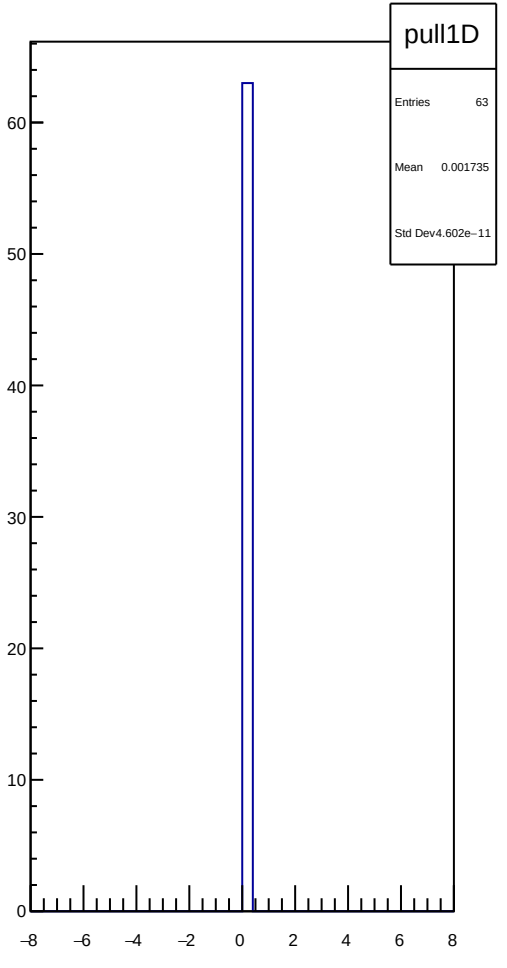

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

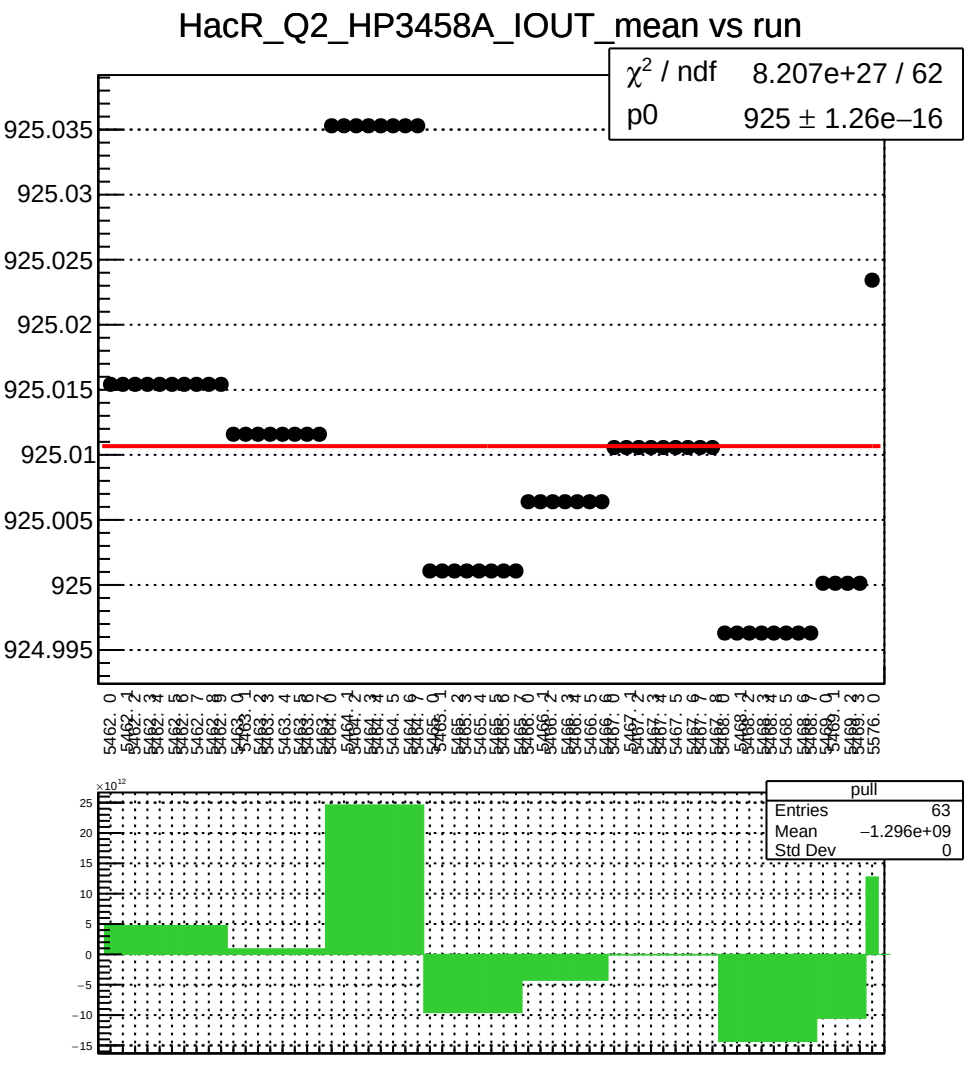

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 4.803e+28 / 62
p0 741.8 ± 1.26e−16
741.75
741.7
741.65
741.6
741.55
pull
Entries 63
Mean 4.206e+09
Std Dev 0
pull1D
Entries 63
Mean 0
Std Dev 0

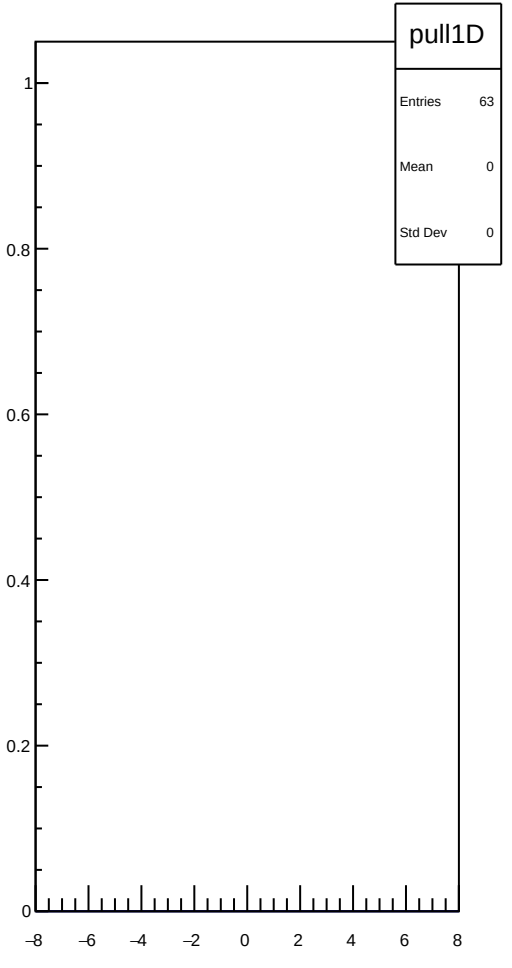

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 5.362e+27 / 62
p0 980.8 ± 1.26e−16
980.83
980.82
980.81
980.8
980.79
980.78
980.77
980.76
pull
Entries 63
Mean −2.591e+08
Std Dev 0

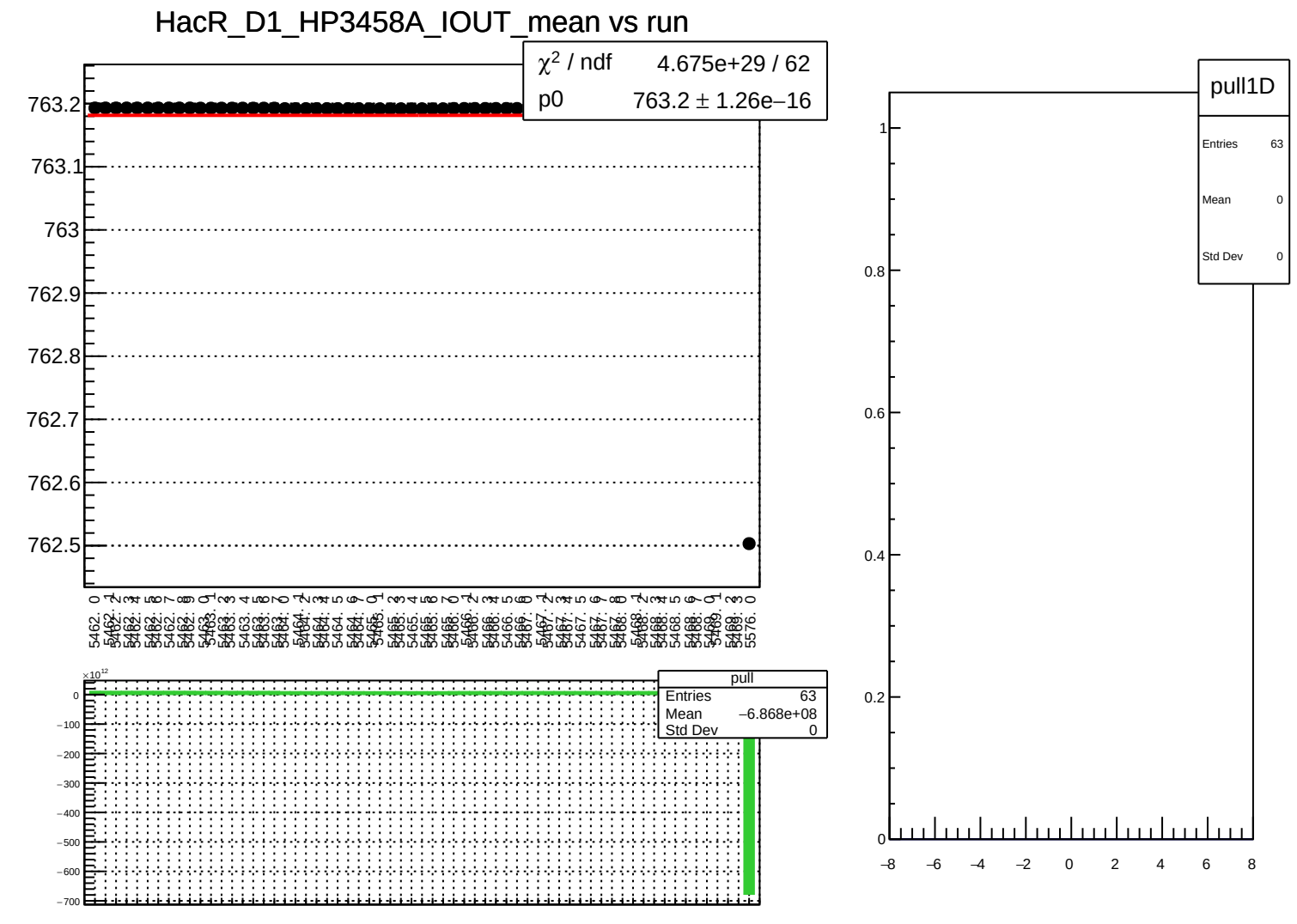

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

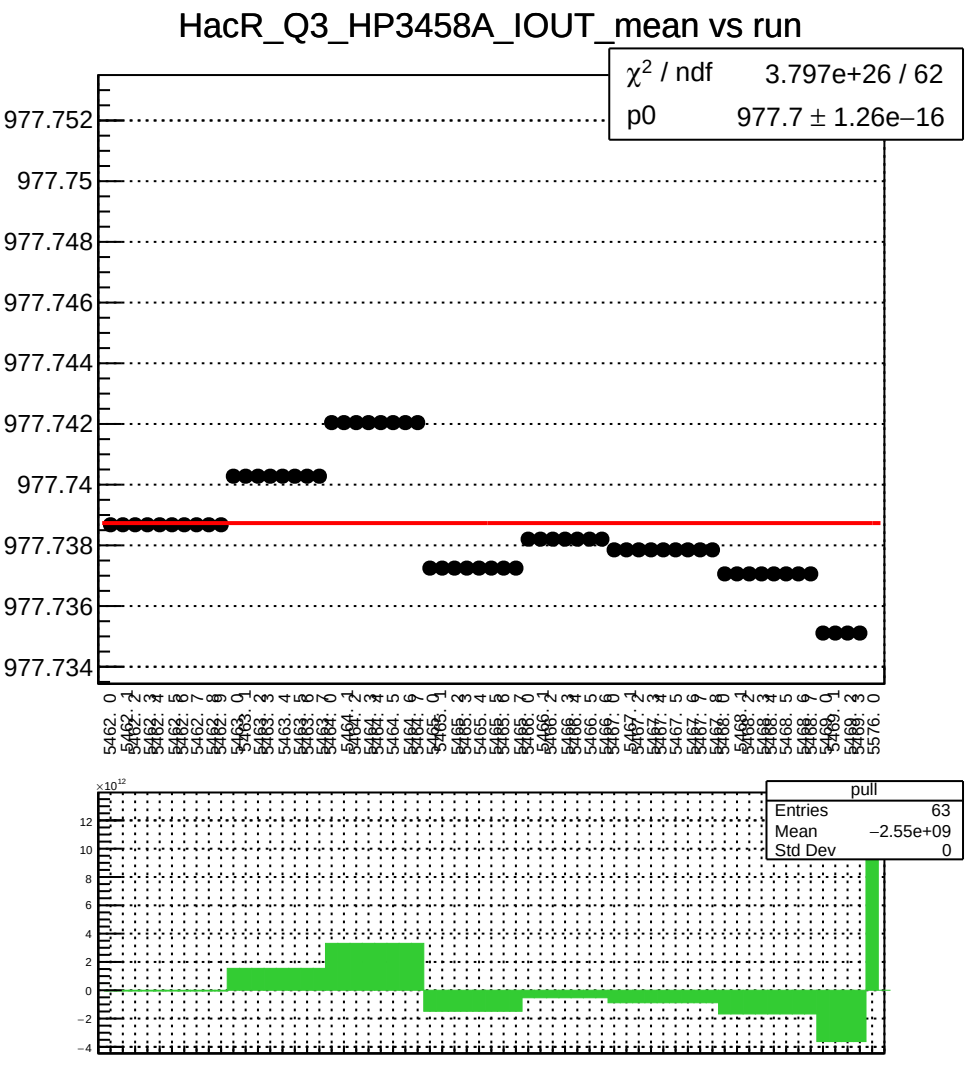

MQ172RM_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18

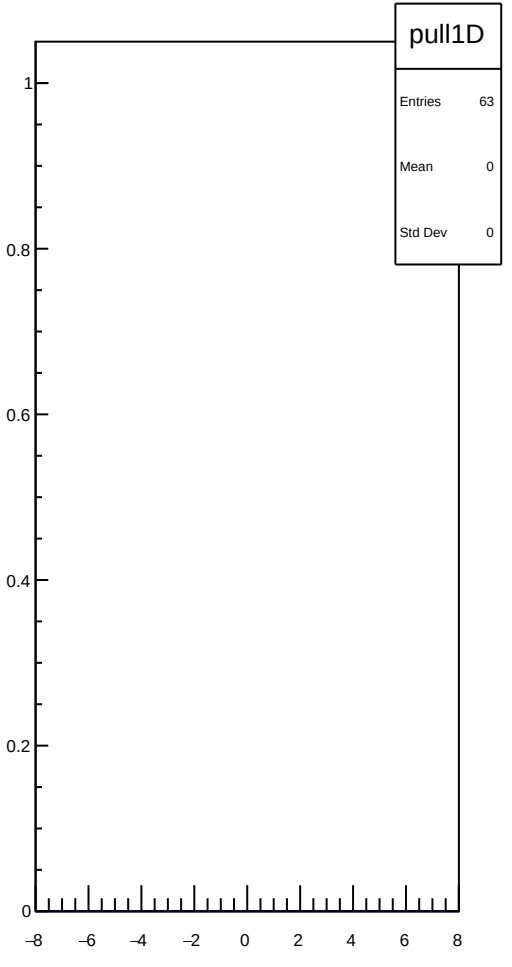

pull1D
Entries 63
Mean 0.001735
Std Dev4.602e−11

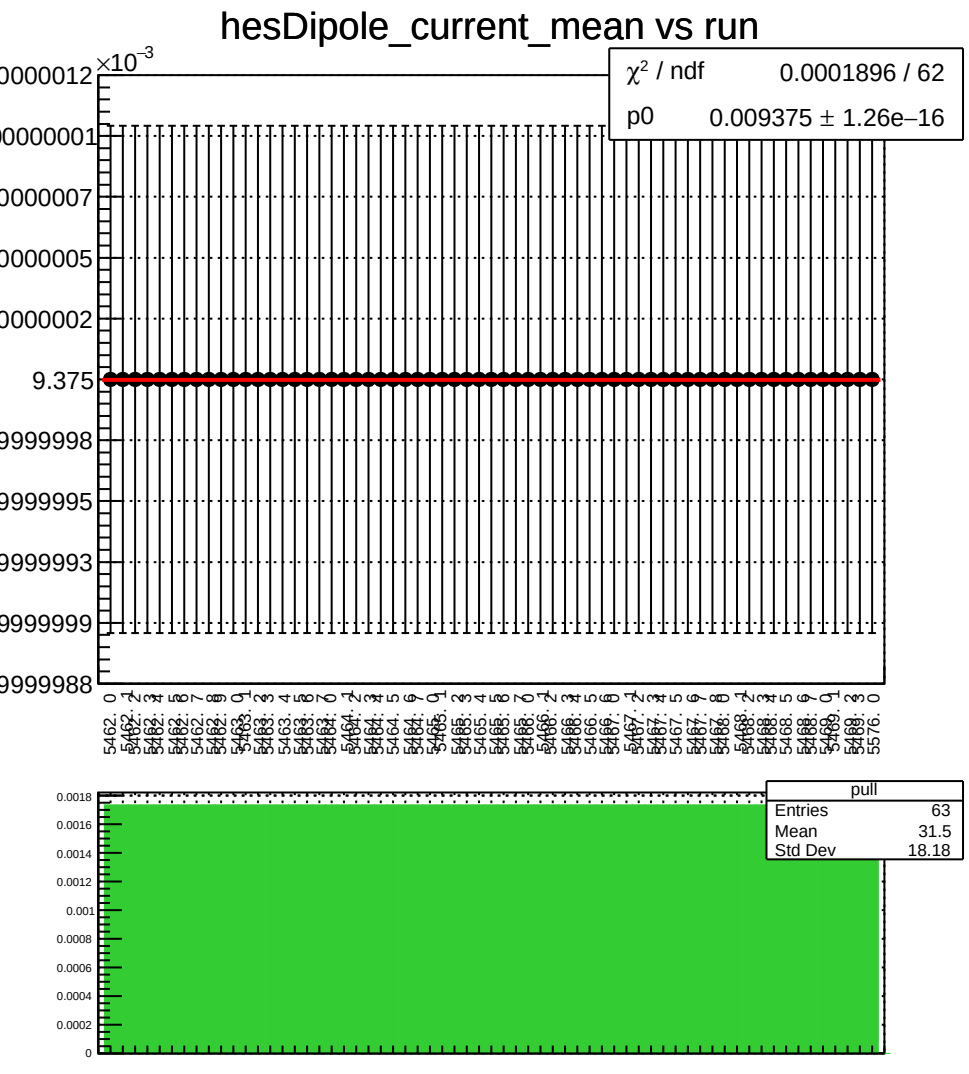

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 8.207e+27 / 62
p0 925 ± 1.26e−16
925.035
925.03
925.025
925.02
925.015
925.01
925.005
925
924.995
pull
Entries 63
Mean −1.296e+09
Std Dev 0
×10¹²
25
20
15
10
5
0
−5
−10
−15

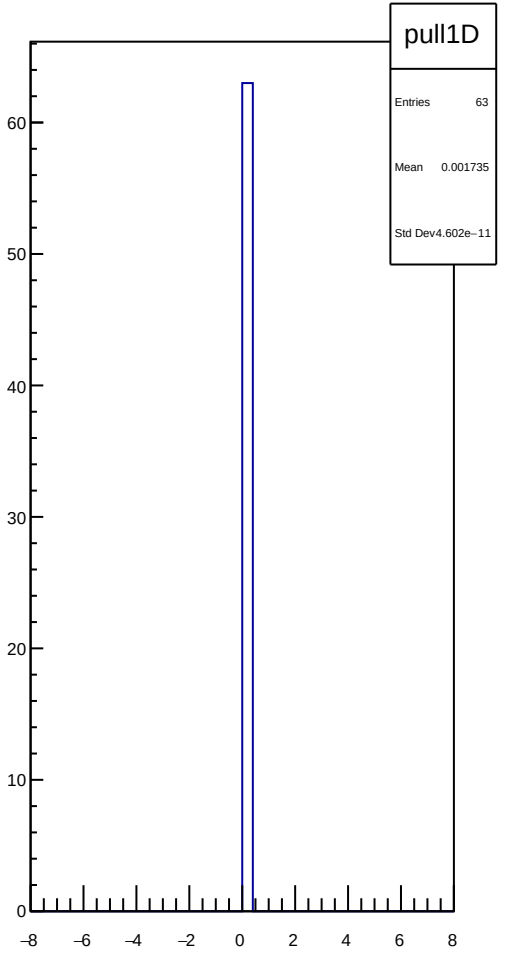

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

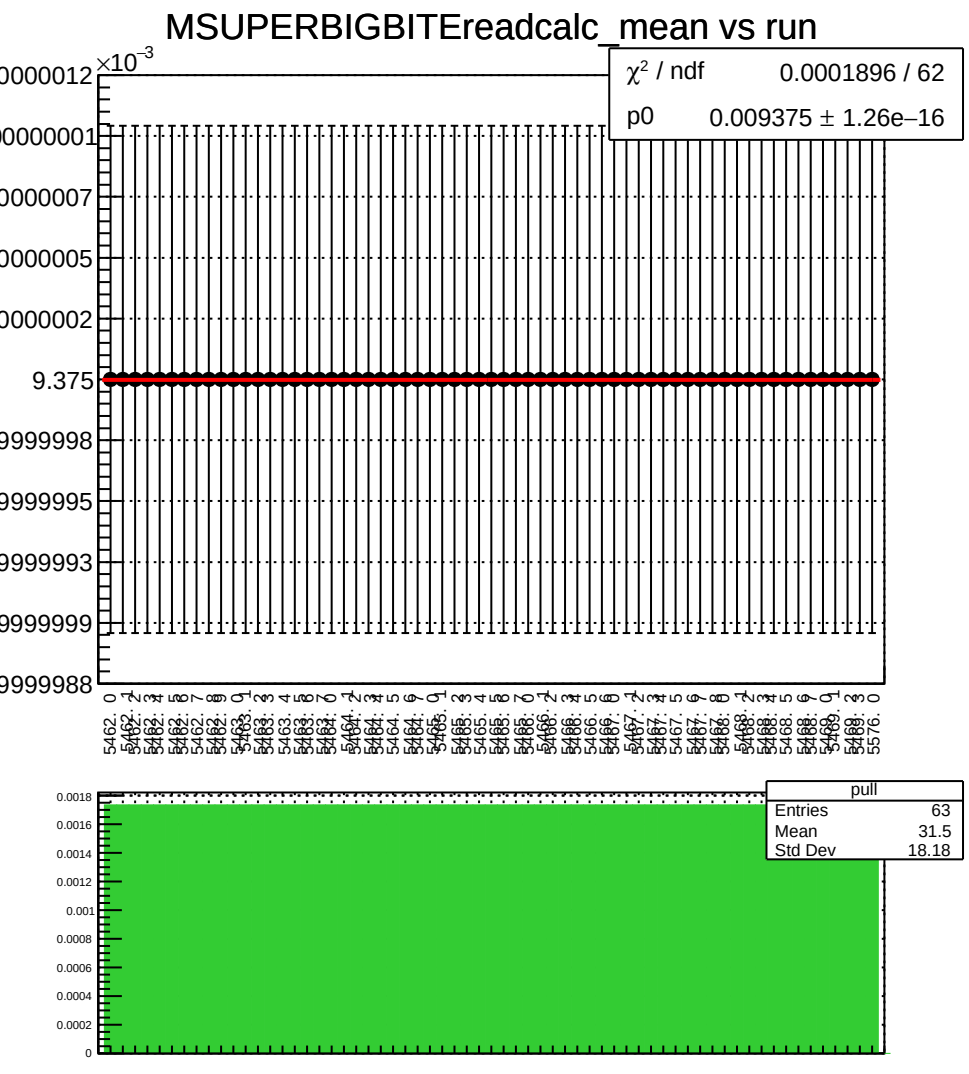

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 4.675e+29 / 62
p0 763.2 ± 1.26e−16
763.2
763.1
763
762.9
762.8
762.7
762.6
762.5
pull
Entries 63
Mean −6.868e+08
Std Dev 0
pull1D
Entries 63
Mean 0
Std Dev 0

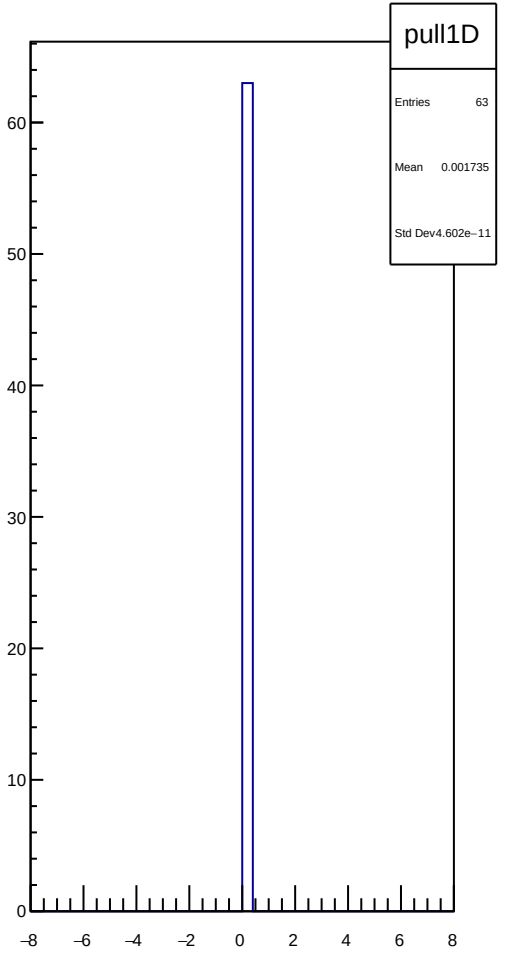

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.797e+26 / 62
p0 977.7 ± 1.26e−16
977.752
977.75
977.748
977.746
977.744
977.742
977.74
977.738
977.736
977.734
pull
Entries 63
Mean −2.55e+09
Std Dev 0
×10¹²
12
10
8
6
4
2
0
−2
−4

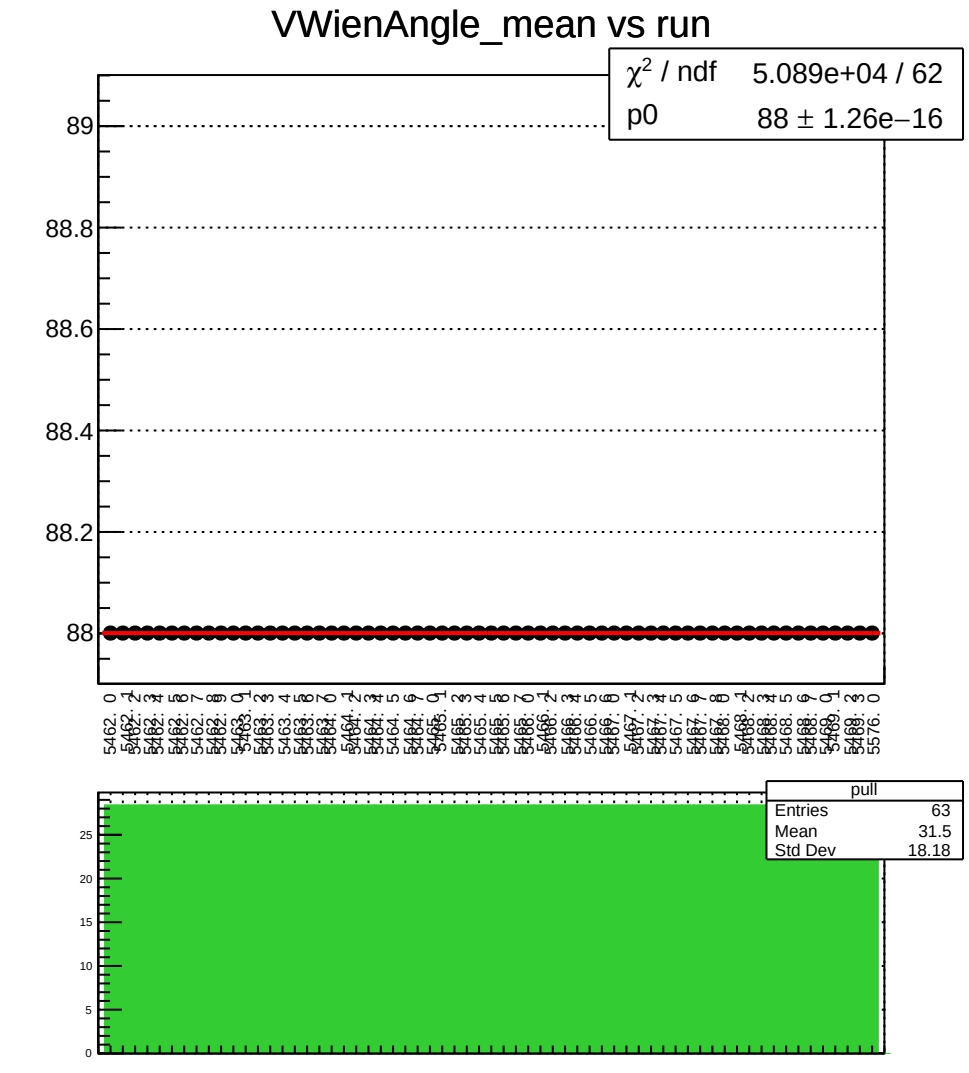

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

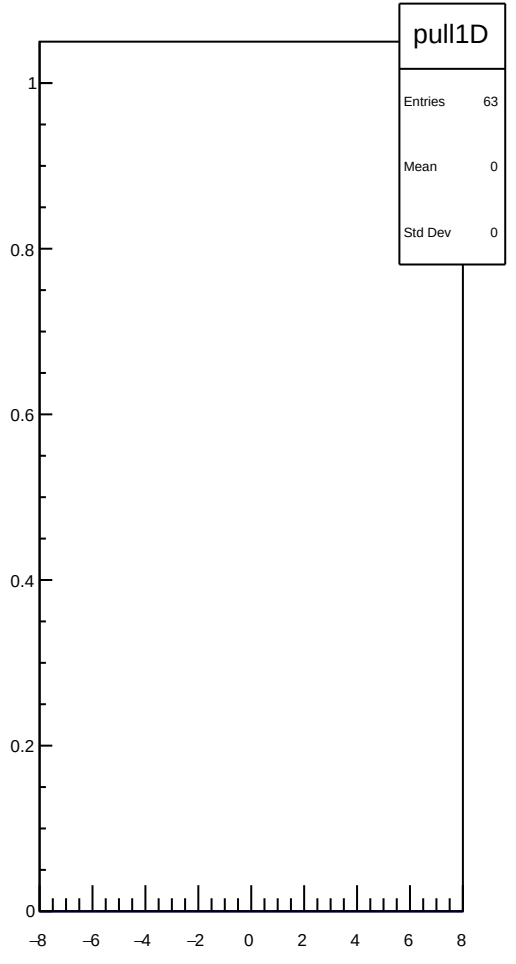

hesDipole_current_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18

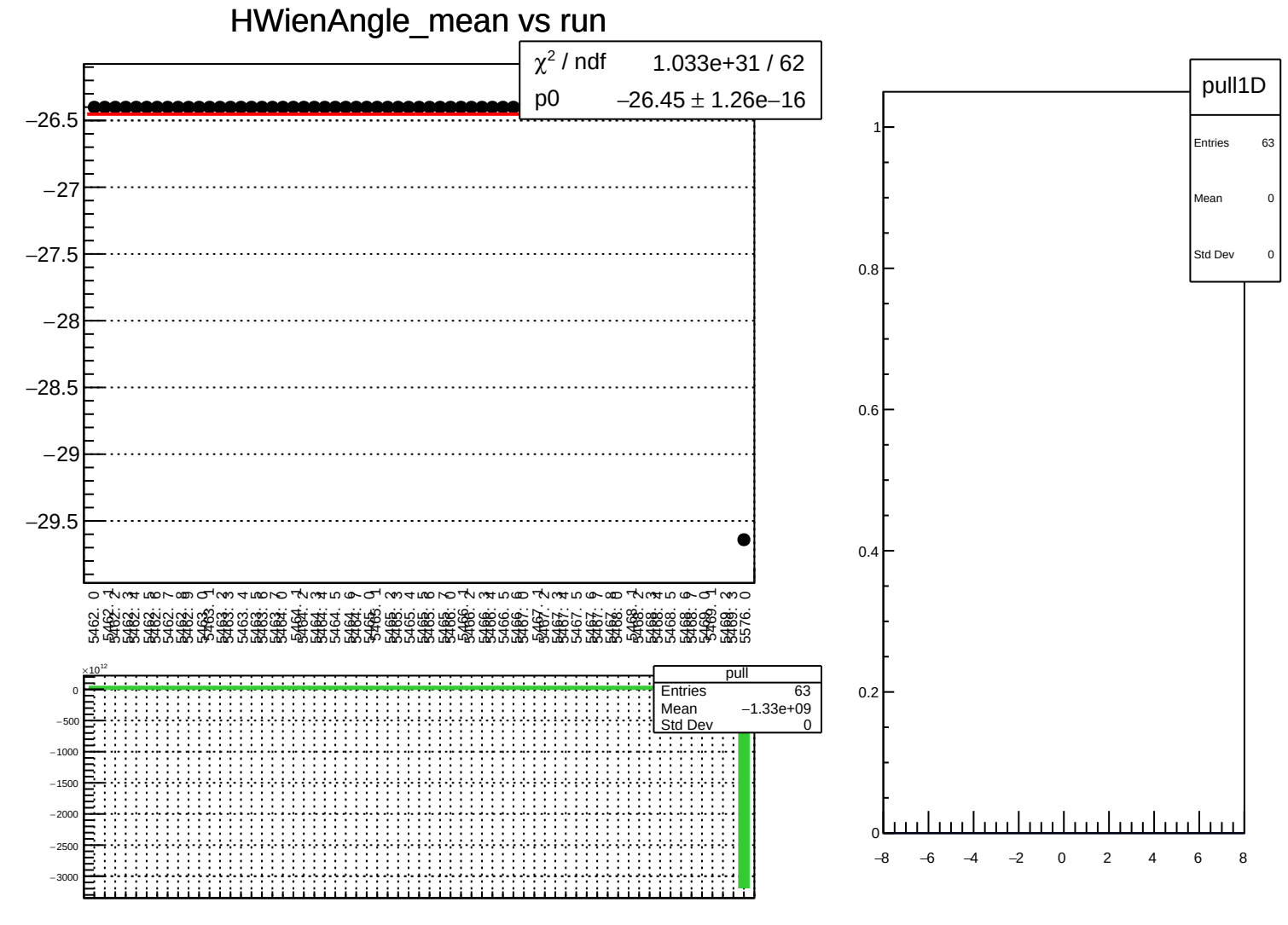

pull1D
Entries 63
Mean 0.001735
Std Dev4.602e−11

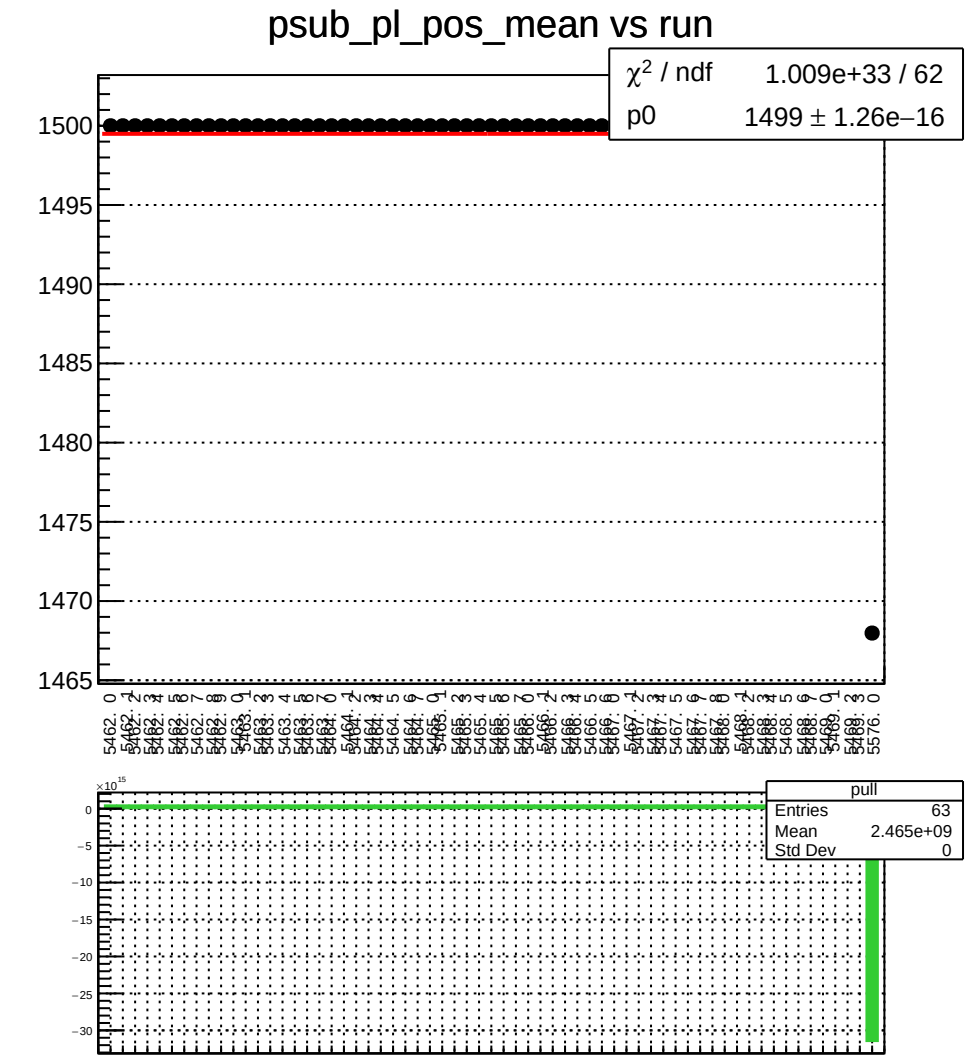

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18

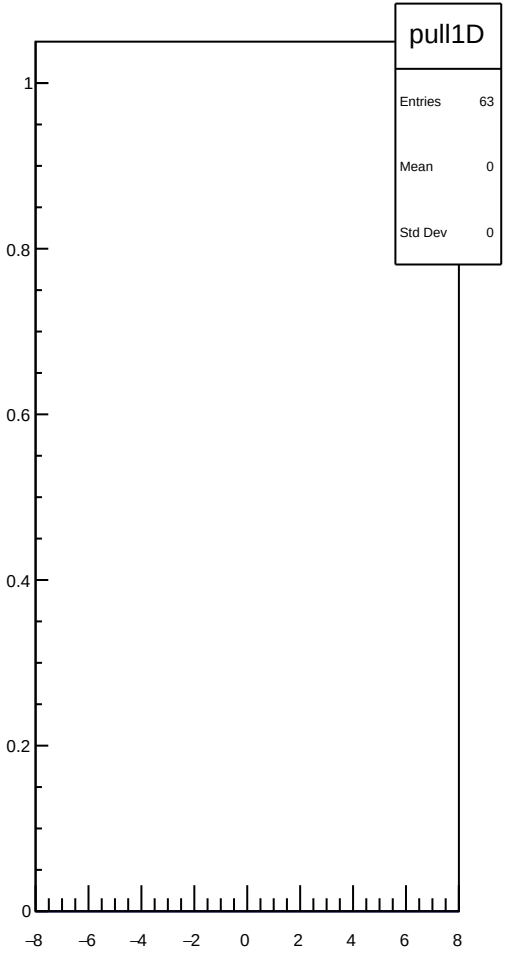

pull1D
Entries 63
Mean 0.001735
Std Dev4.602e−11

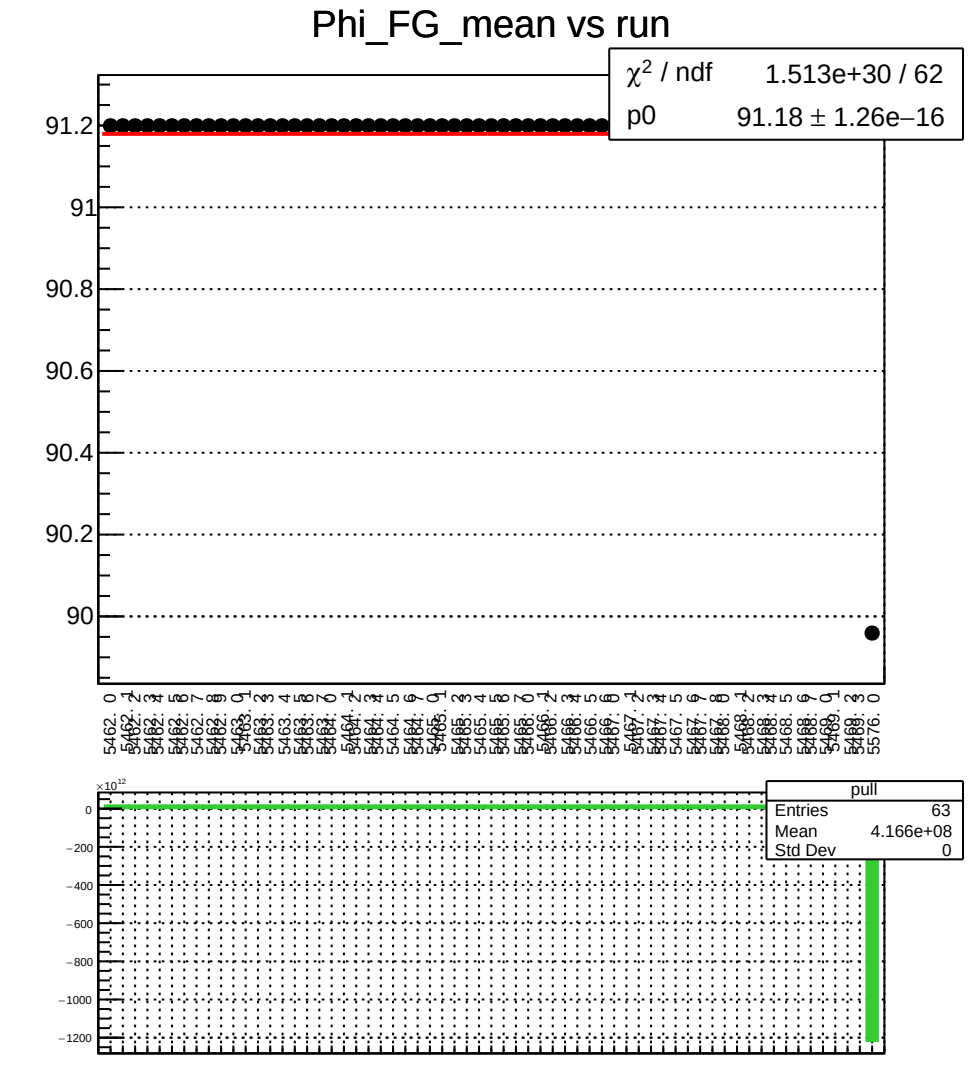

VWienAngle_mean vs run
χ² / ndf 5.089e+04 / 62
p0 88 ± 1.26e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 63
Mean 31.5
Std Dev 18.18
25
20
15
10
5
0

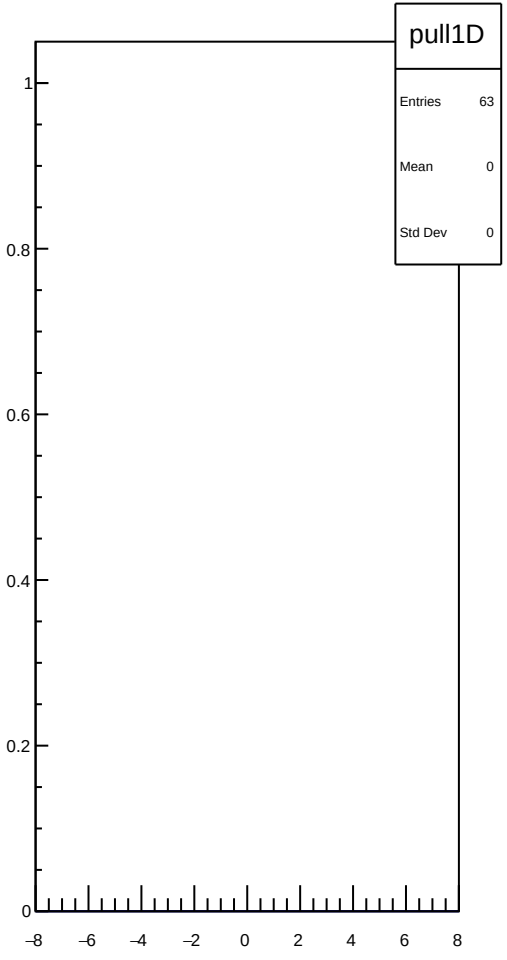

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

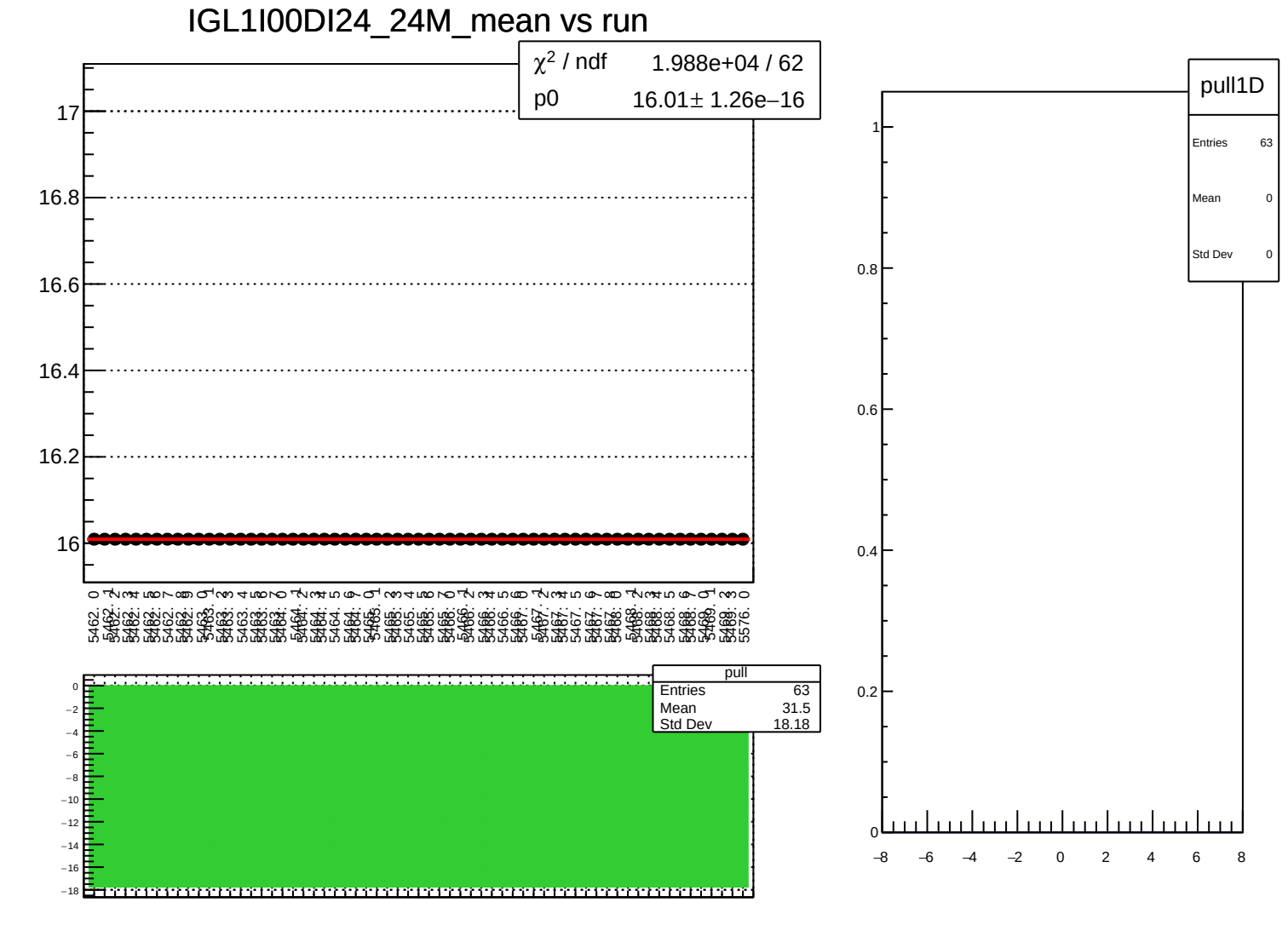

HWienAngle_mean vs run
χ² / ndf 1.033e+31 / 62
p0 −26.45 ± 1.26e−16
−26.5
−27
−27.5
−28
−28.5
−29
−29.5
pull
Entries 63
Mean −1.33e+09
Std Dev 0
×10¹²
0
−500
−1000
−1500
−2000
−2500
−3000
pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

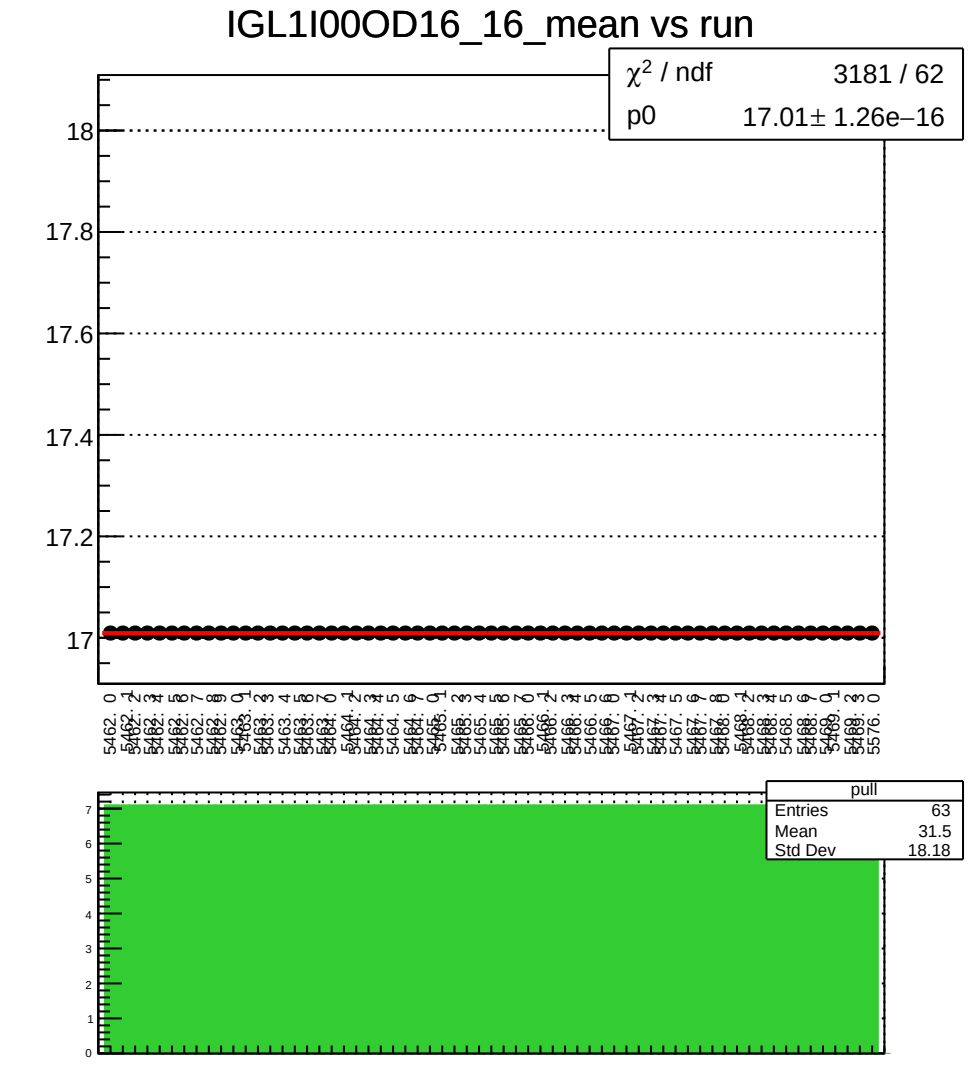

psub_pl_pos_mean vs run
χ² / ndf 1.009e+33 / 62
p0 1499 ± 1.26e−16
1500
1495
1490
1485
1480
1475
1470
1465
pull
Entries 63
Mean 2.465e+09
Std Dev 0
×10¹⁵
0
−5
−10
−15
−20
−25
−30

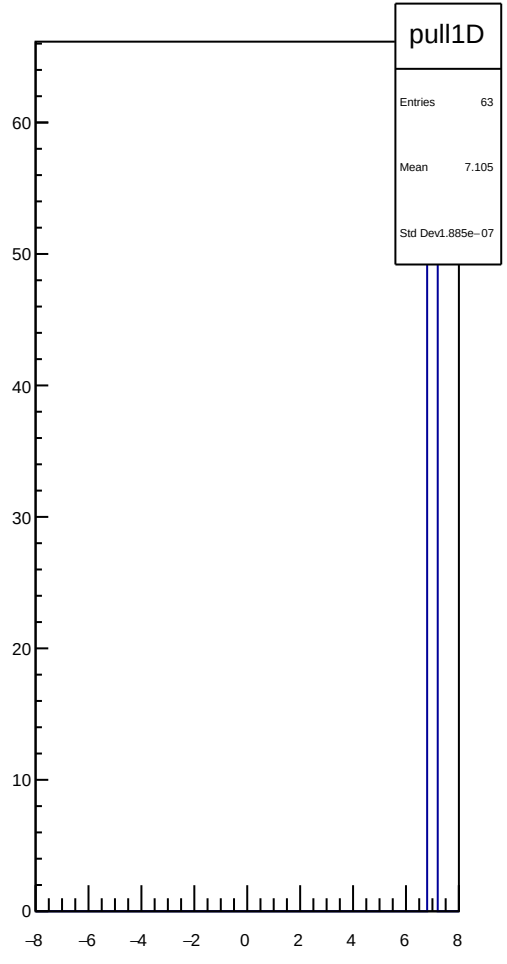

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

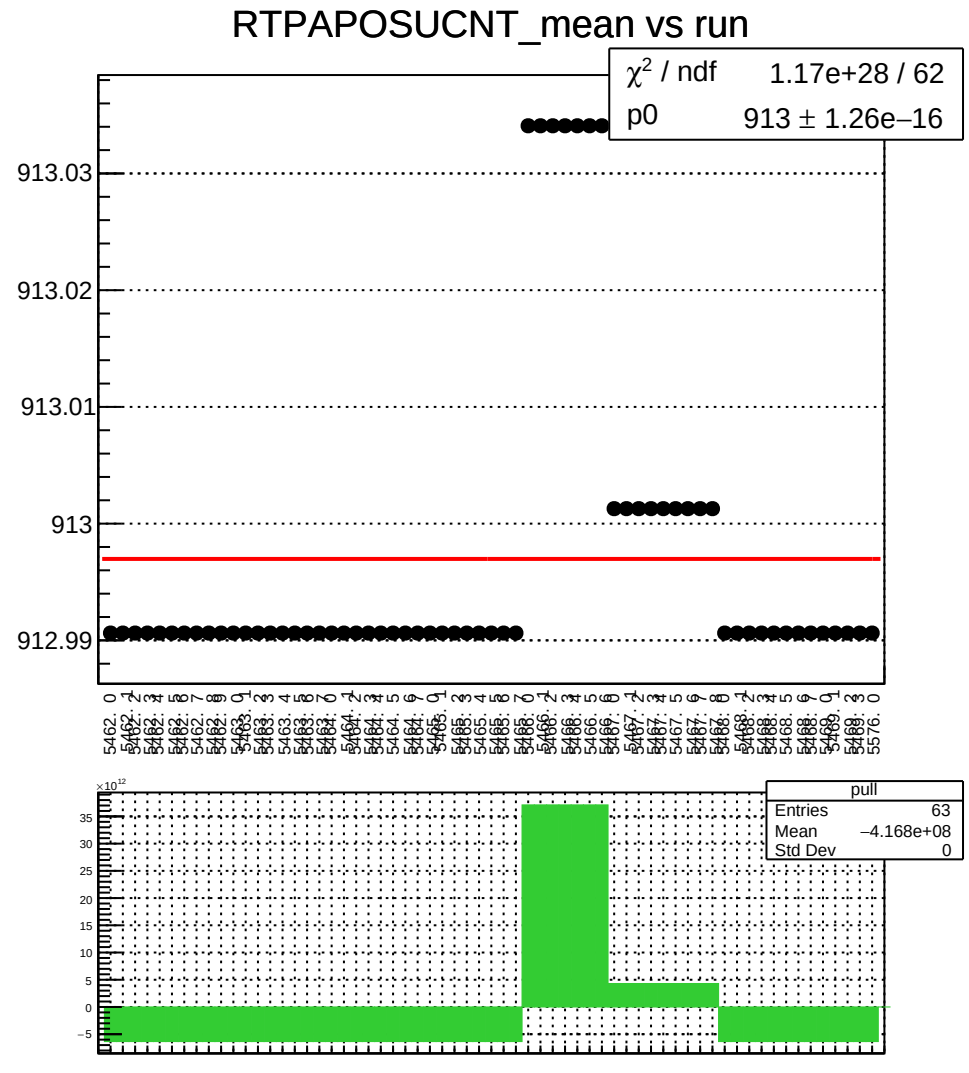

Phi_FG_mean vs run
χ² / ndf 1.513e+30 / 62
p0 91.18 ± 1.26e−16
91.2
91
90.8
90.6
90.4
90.2
90
pull
Entries 63
Mean 4.166e+08
Std Dev 0
×10¹²
0
−200
−400
−600
−800
−1000
−1200

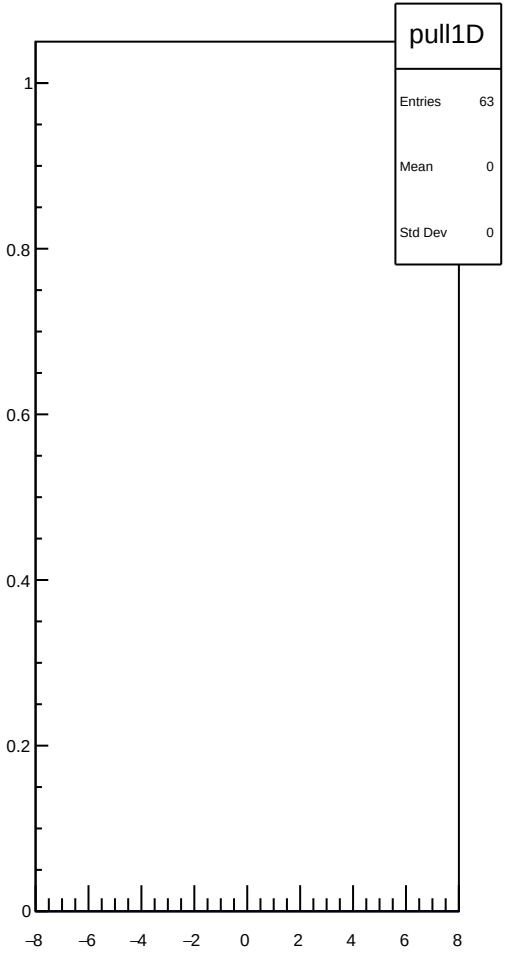

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

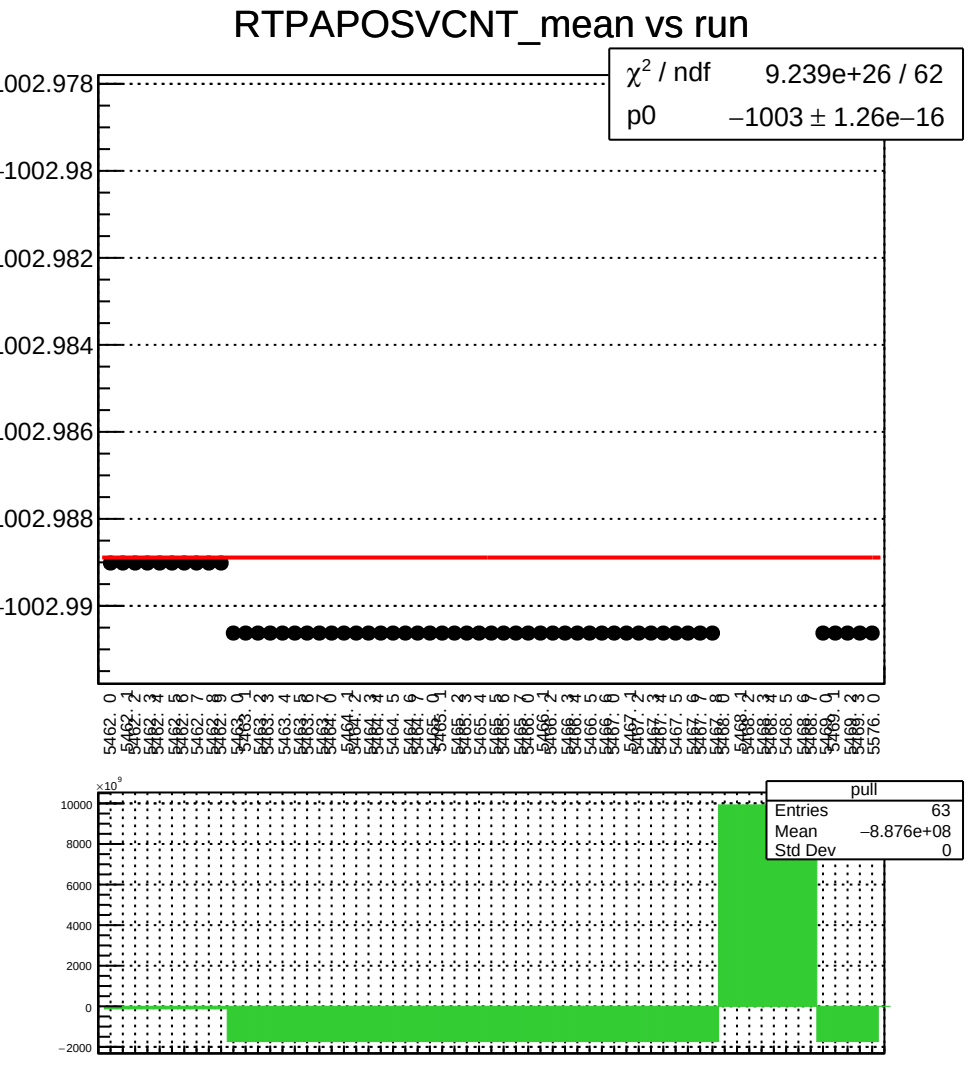

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.988e+04 / 62
p0 16.01± 1.26e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 63
Mean 31.5
Std Dev 18.18
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

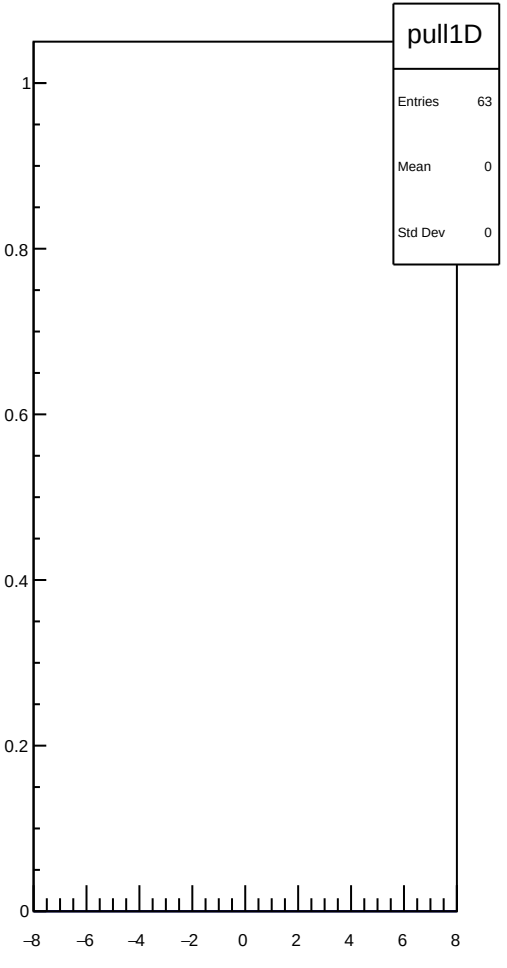

IGL1I00OD16_16_mean vs run
χ² / ndf 3181 / 62
p0 17.01± 1.26e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 63
Mean 31.5
Std Dev 18.18
7
6
5
4
3
2
1
0

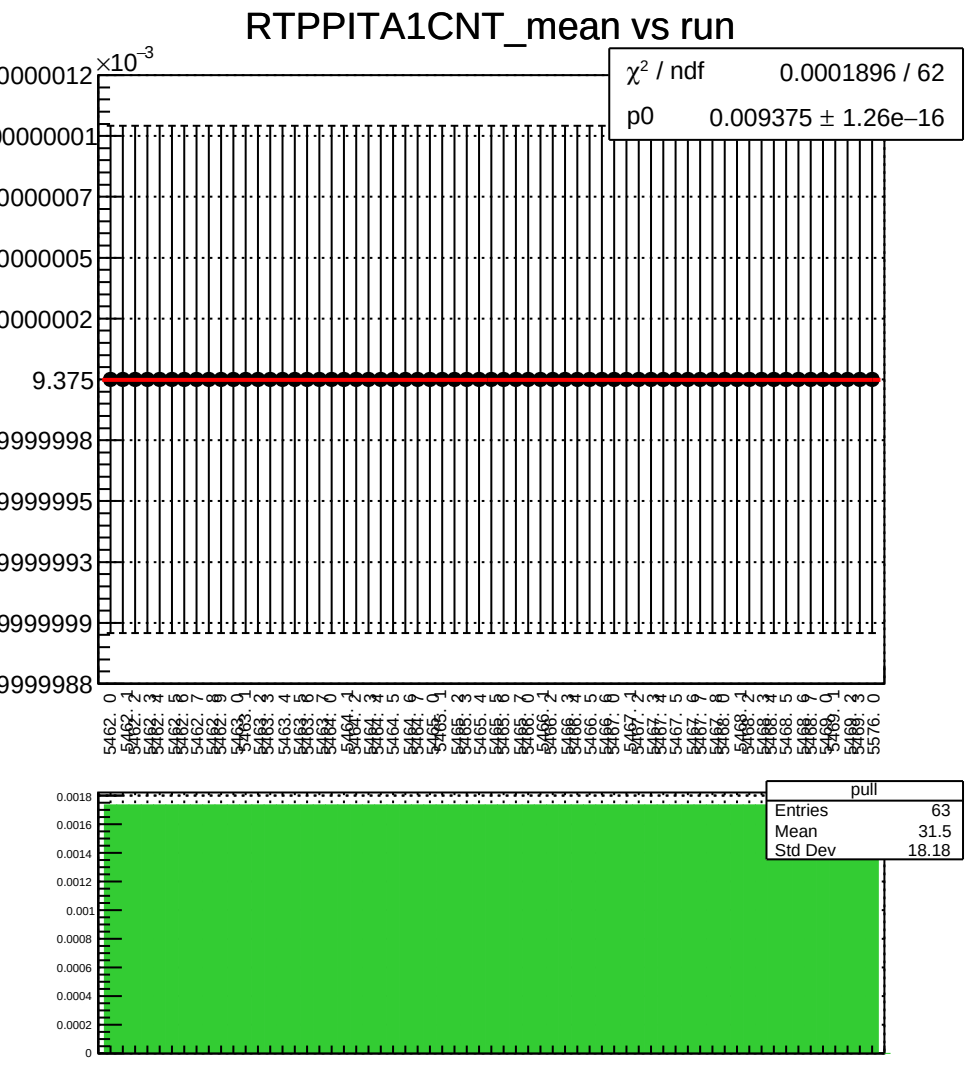

pull1D
Entries 63
Mean 7.105
Std Dev1.885e−07
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

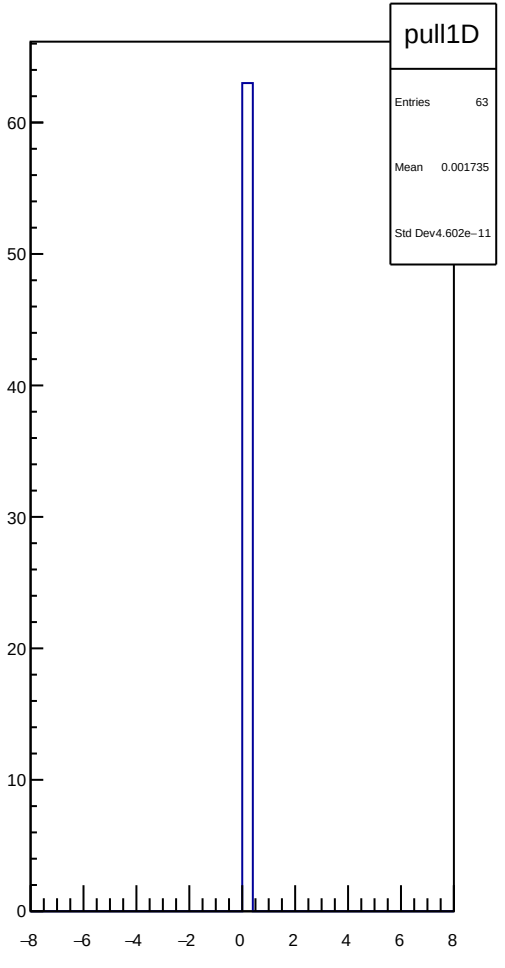

RTPAPOSUCNT_mean vs run
χ² / ndf 1.17e+28 / 62
p0 913 ± 1.26e−16
913.03
913.02
913.01
913
912.99
pull
Entries 63
Mean −4.168e+08
Std Dev 0
×10¹²
35
30
25
20
15
10
5
0
−5

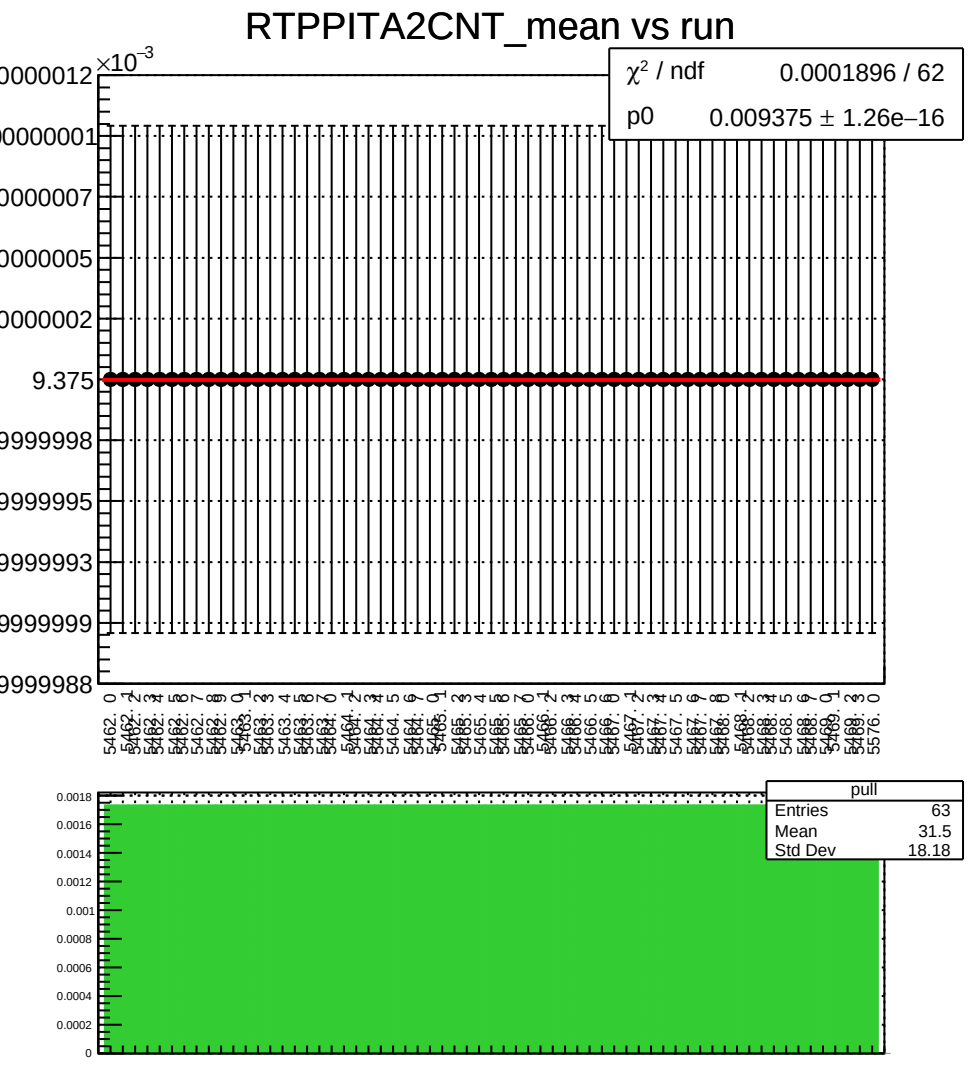

pull1D
Entries 63
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

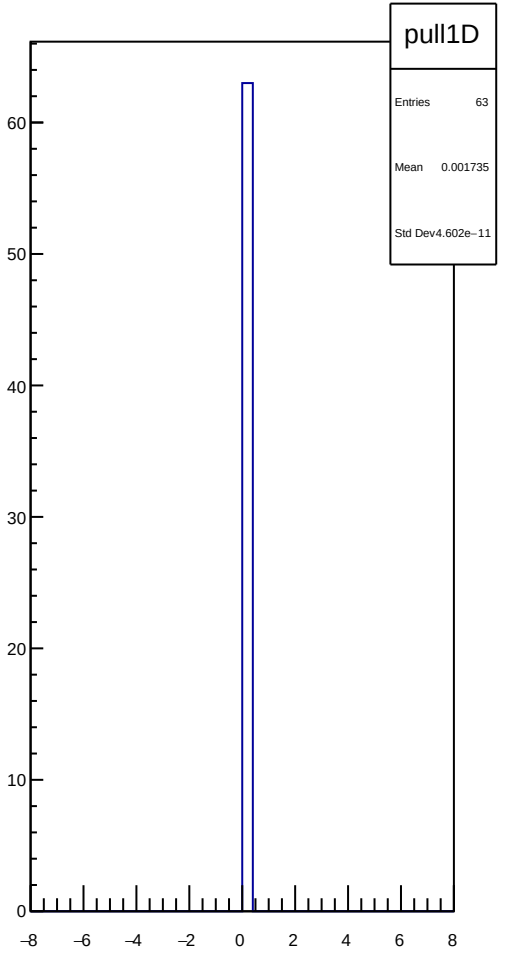

RTPAPOSVCNT_mean vs run
χ² / ndf 9.239e+26 / 62
p0 −1003 ± 1.26e−16
pull
Entries 63
Mean −8.876e+08
Std Dev 0


pull1D
Entries 63
Mean 0
Std Dev 0


RTPPITA1CNT_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18


pull1D
Entries 63
Mean 0.001735
Std Dev 4.602e−11


RTPPITA2CNT_mean vs run
χ² / ndf 0.0001896 / 62
p0 0.009375 ± 1.26e−16
×10⁻³
pull
Entries 63
Mean 31.5
Std Dev 18.18


pull1D
Entries 63
Mean 0.001735
Std Dev4.602e−11