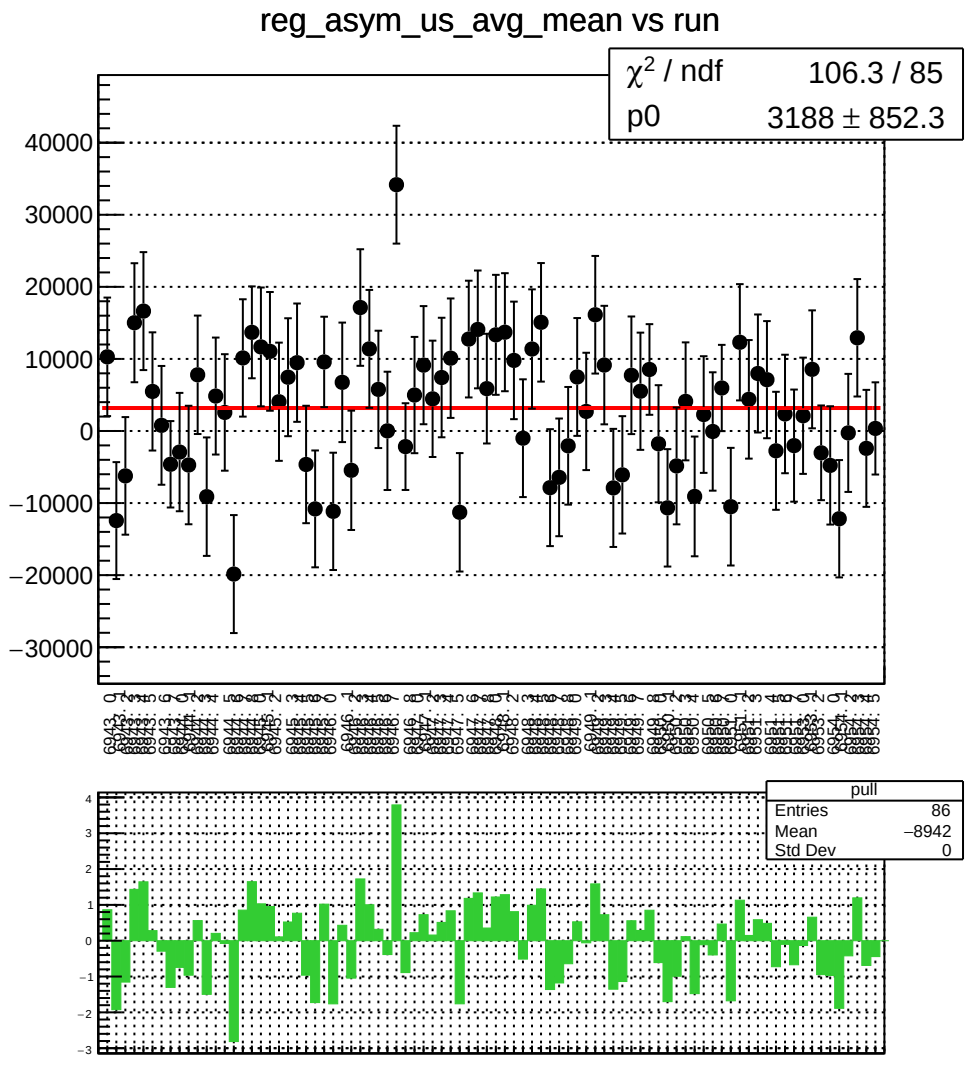
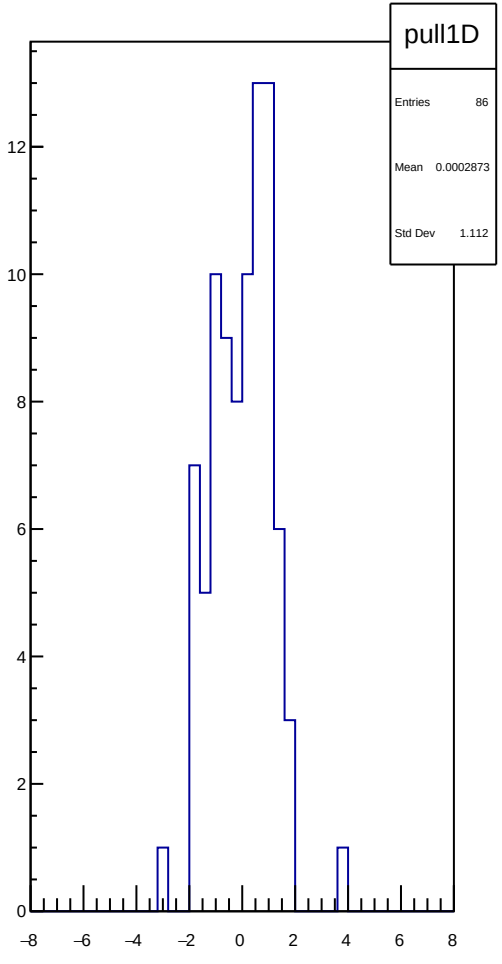
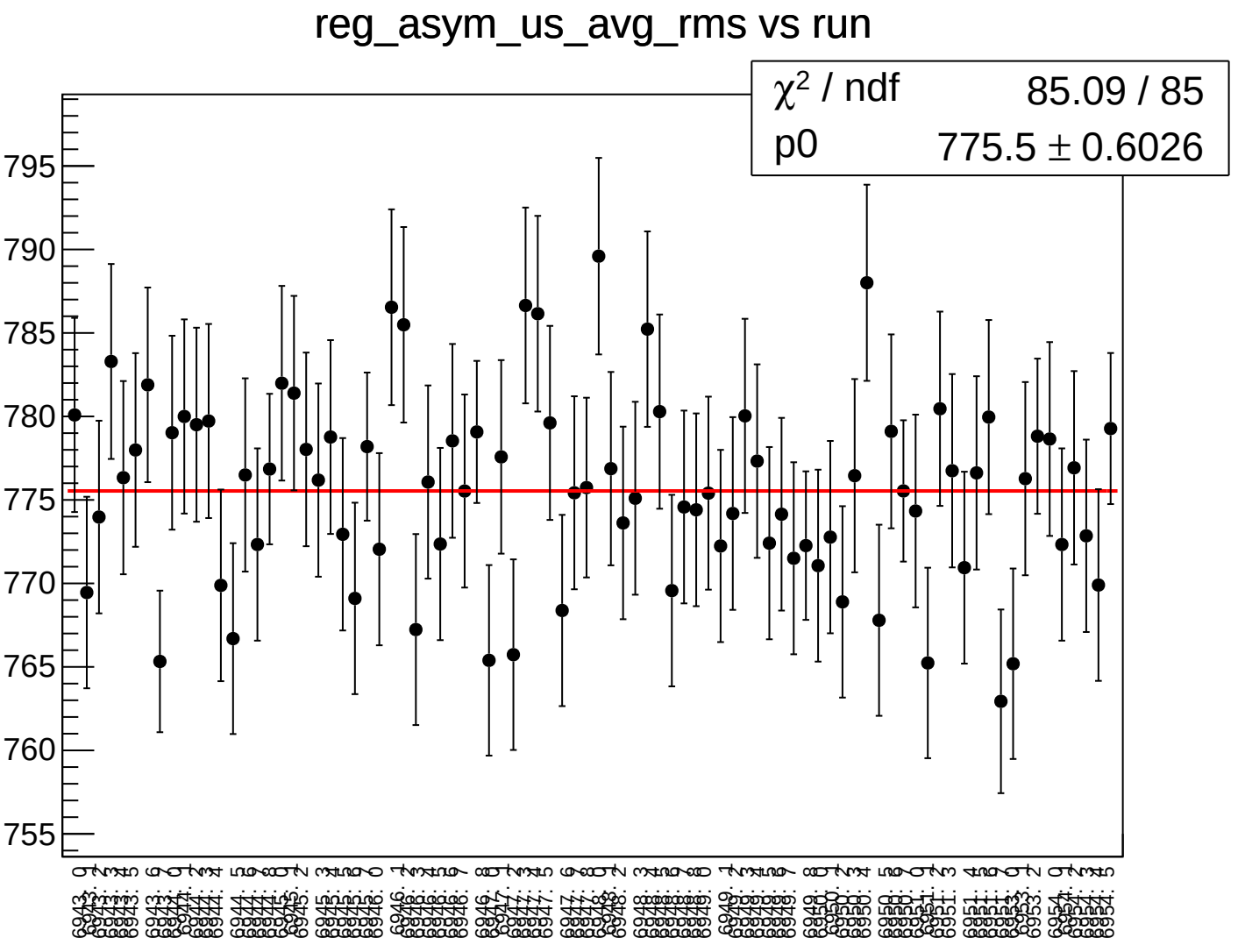
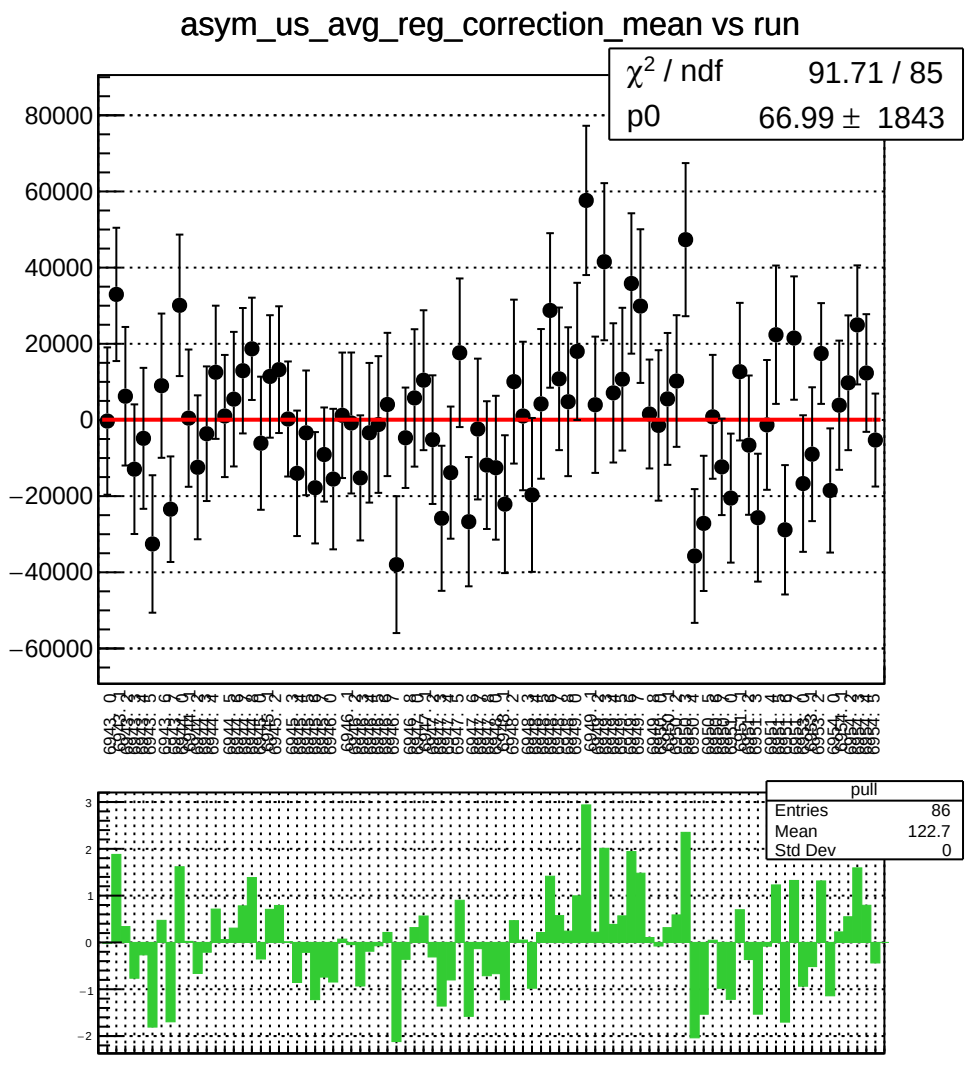
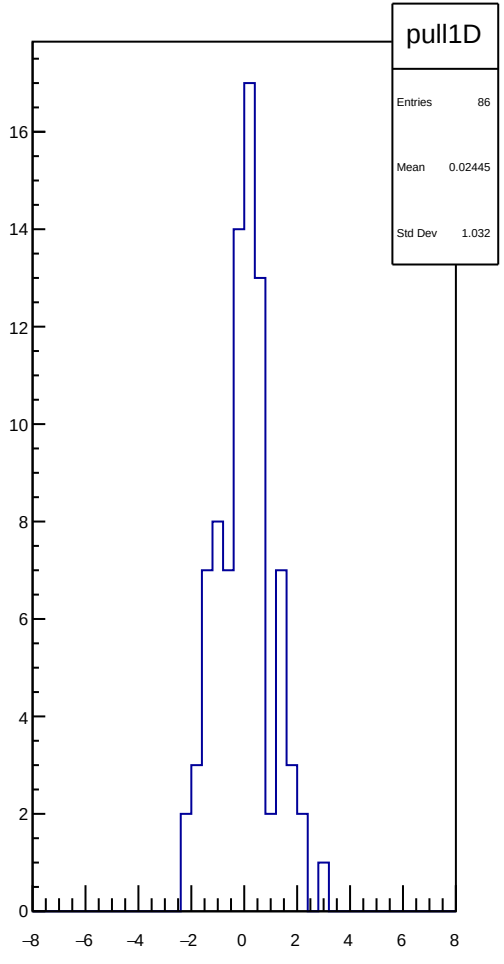
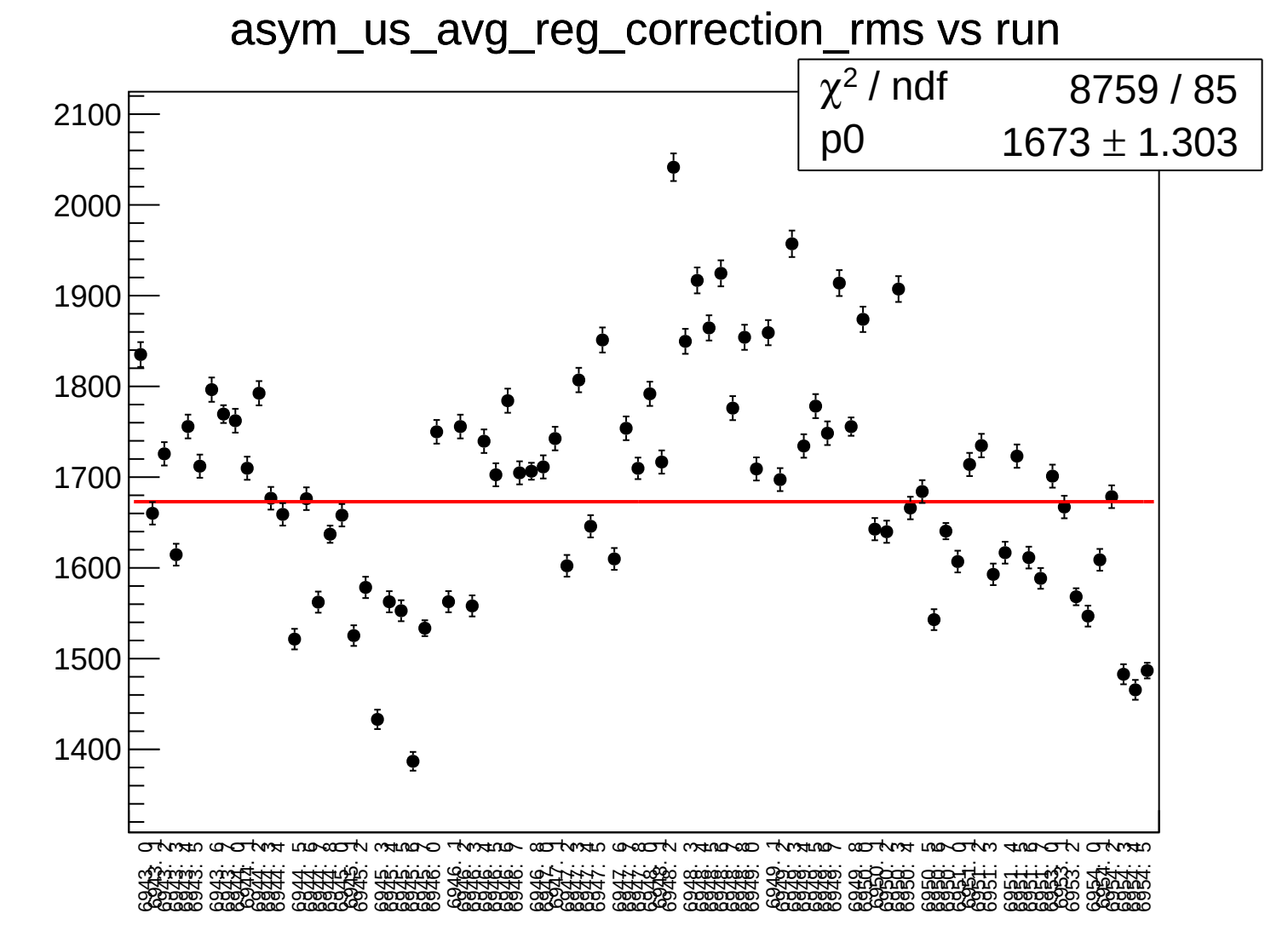

reg_asym_us_avg_mean vs run
χ² / ndf 106.3 / 85
p0 3188 ± 852.3
pull
Entries 86
Mean −8942
Std Dev 0

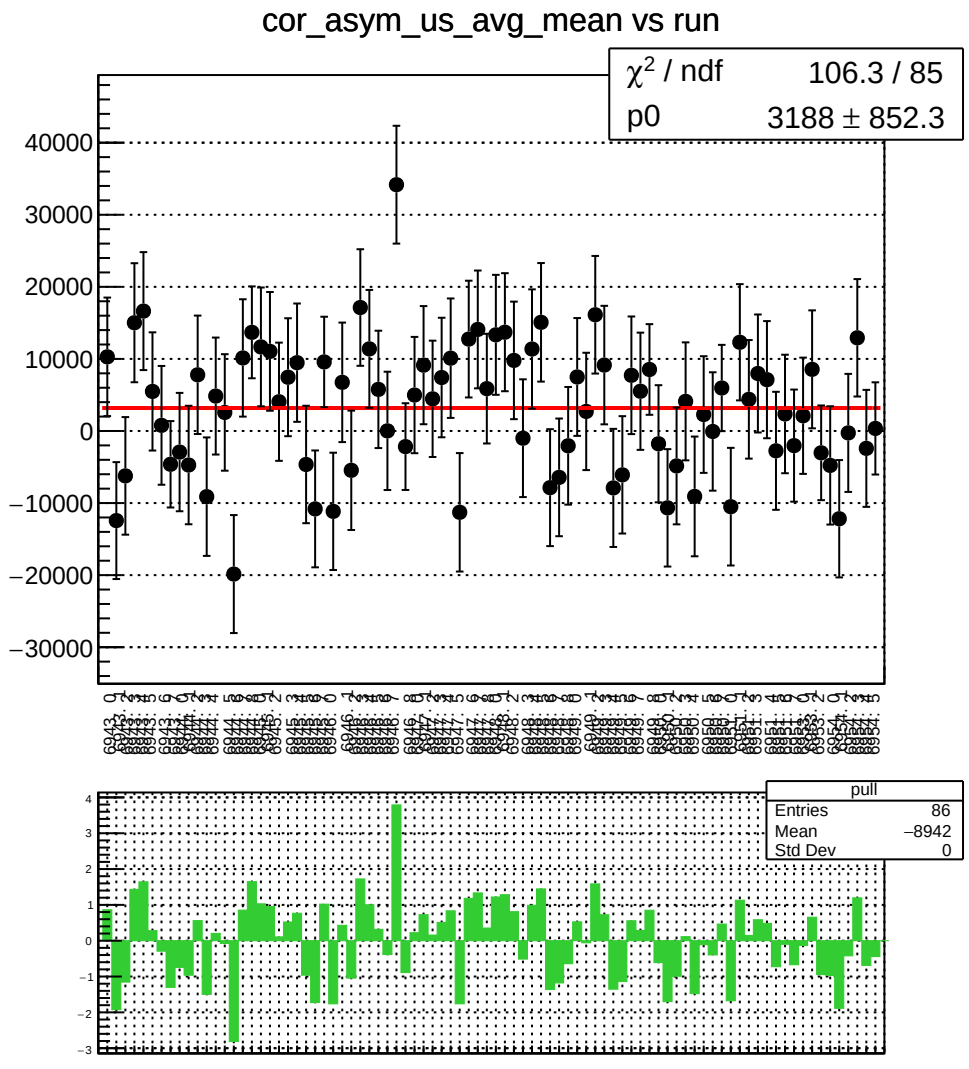

pull1D
Entries 86
Mean 0.0002873
Std Dev 1.112

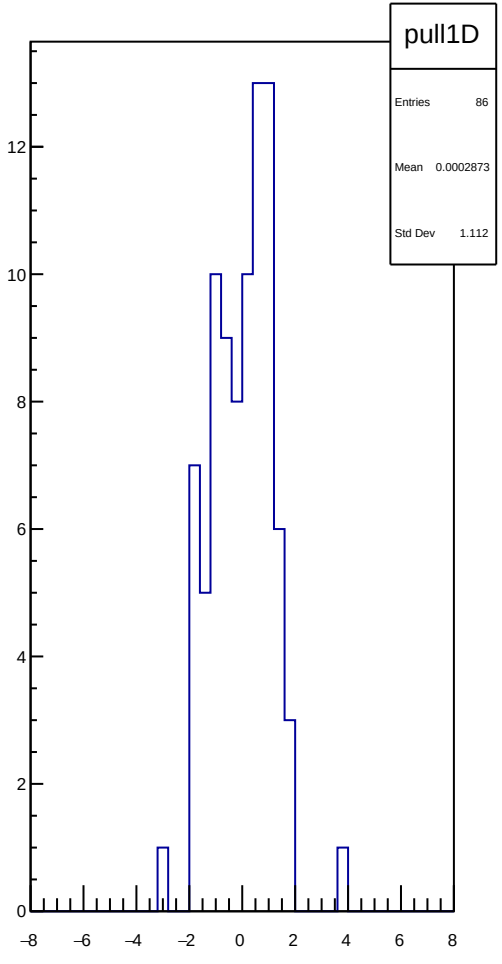

reg_asym_us_avg_rms vs run
χ² / ndf 85.09 / 85
p0 775.5 ± 0.6026
795
790
785
780
775
770
765
760
755

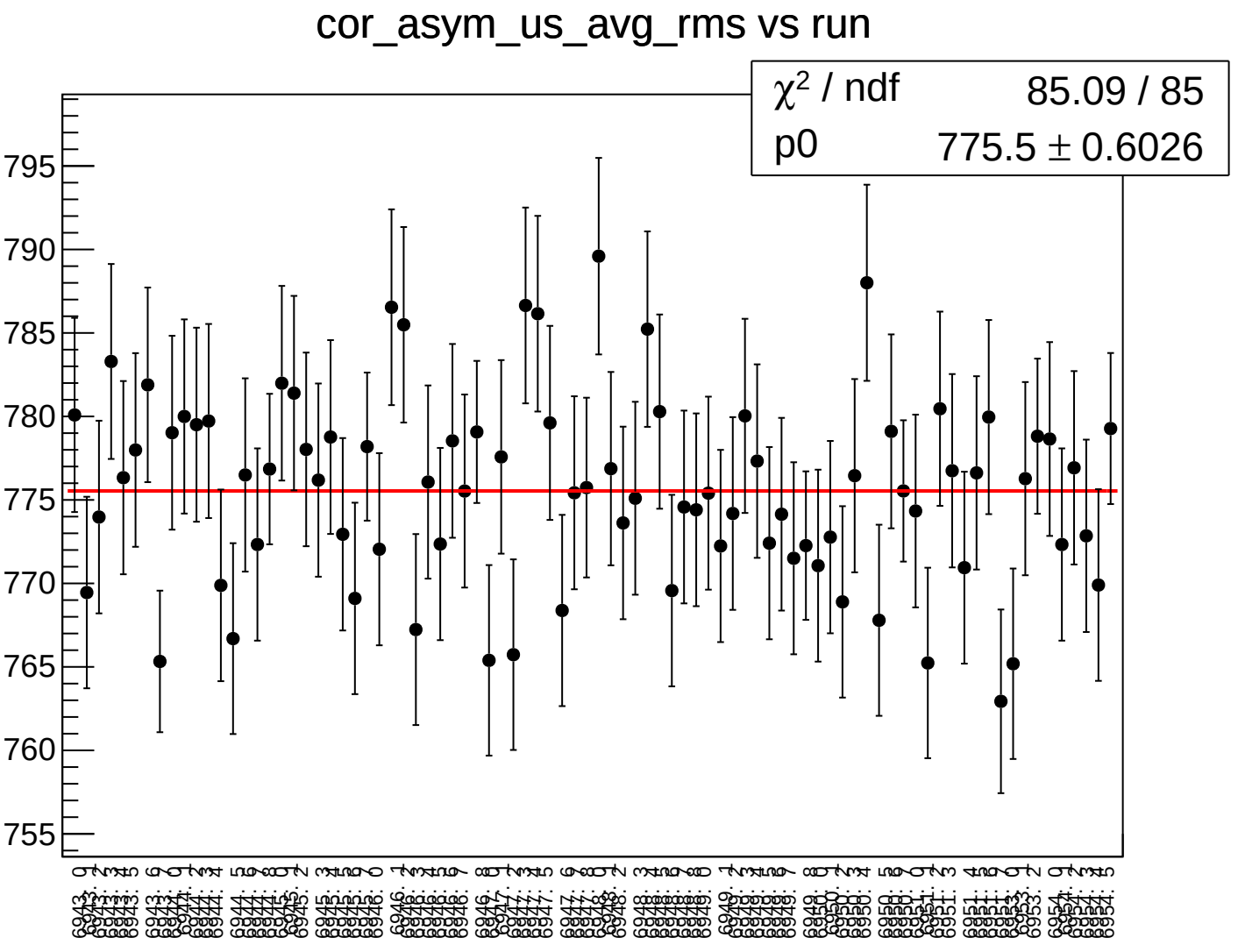

asym_us_avg_reg_correction_mean vs run
χ² / ndf 91.71 / 85
p0 66.99 ± 1843
pull
Entries 86
Mean 122.7
Std Dev 0

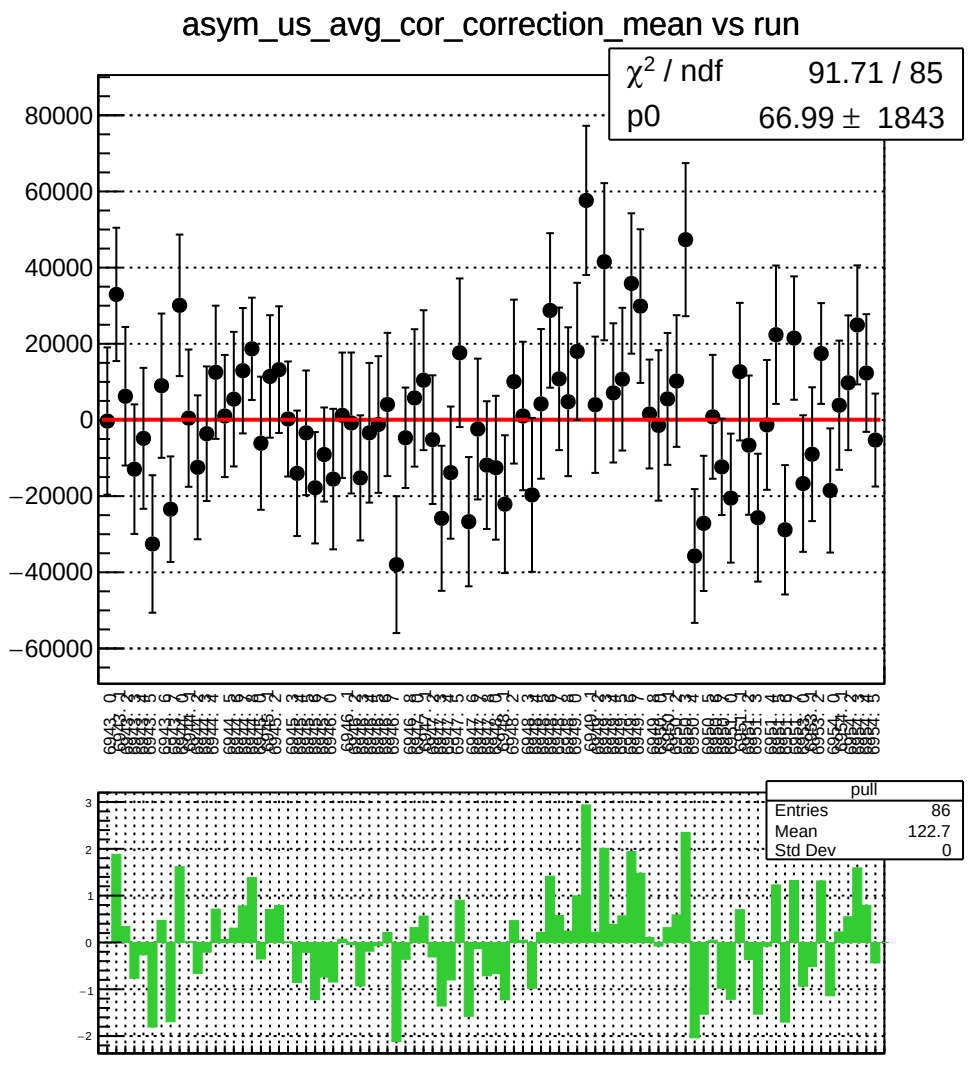

pull1D
Entries 86
Mean 0.02445
Std Dev 1.032

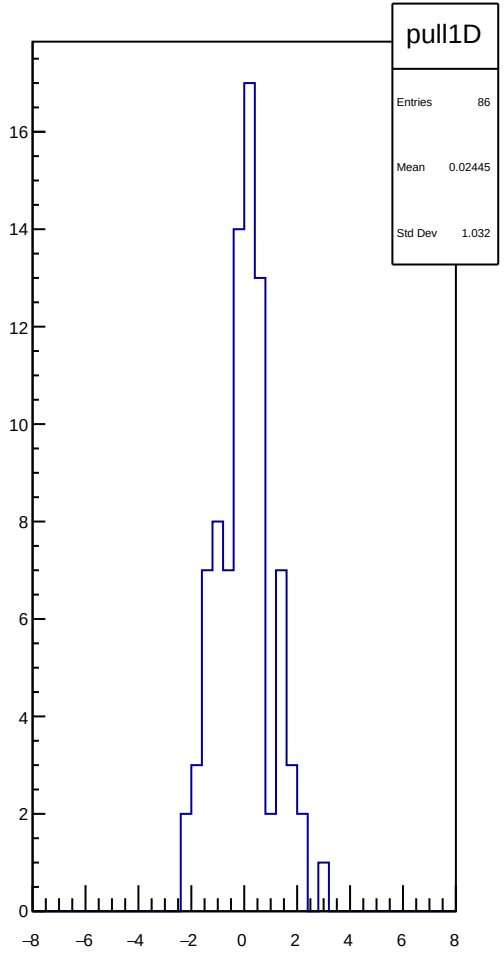

asym_us_avg_reg_correction_rms vs run
χ² / ndf 8759 / 85
p0 1673 ± 1.303
2100
2000
1900
1800
1700
1600
1500
1400

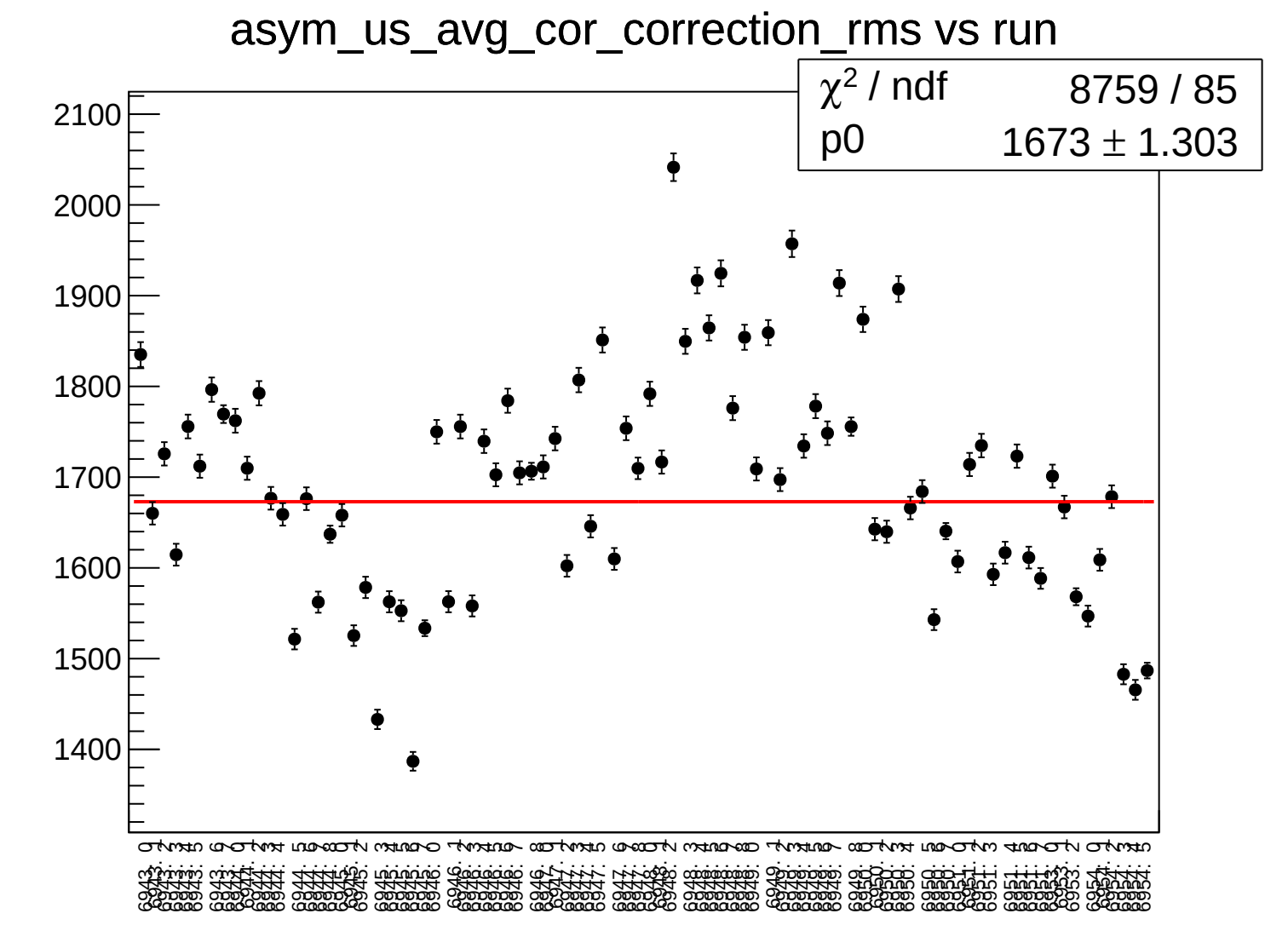

cor_asym_us_avg_mean vs run
χ² / ndf 106.3 / 85
p0 3188 ± 852.3
pull
Entries 86
Mean −8942
Std Dev 0

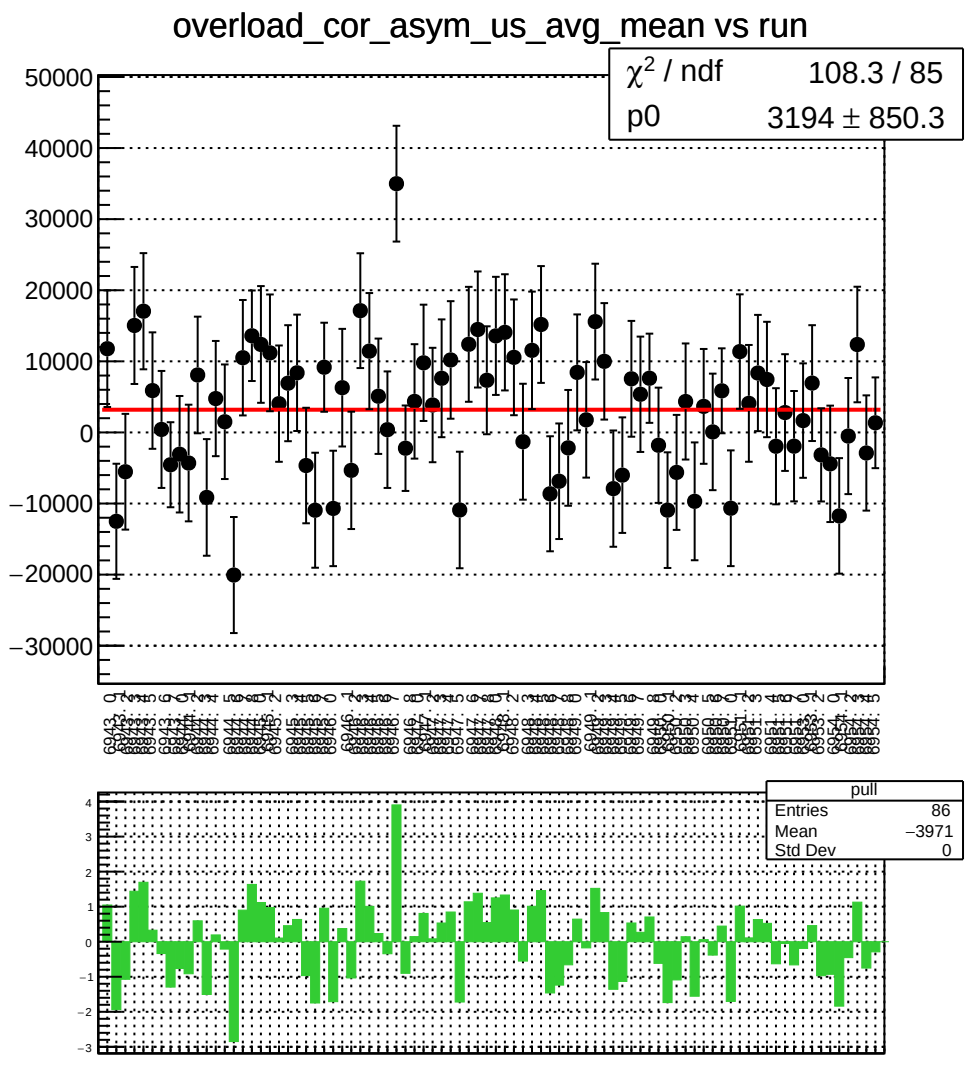

pull1D
Entries 86
Mean 0.0002873
Std Dev 1.112

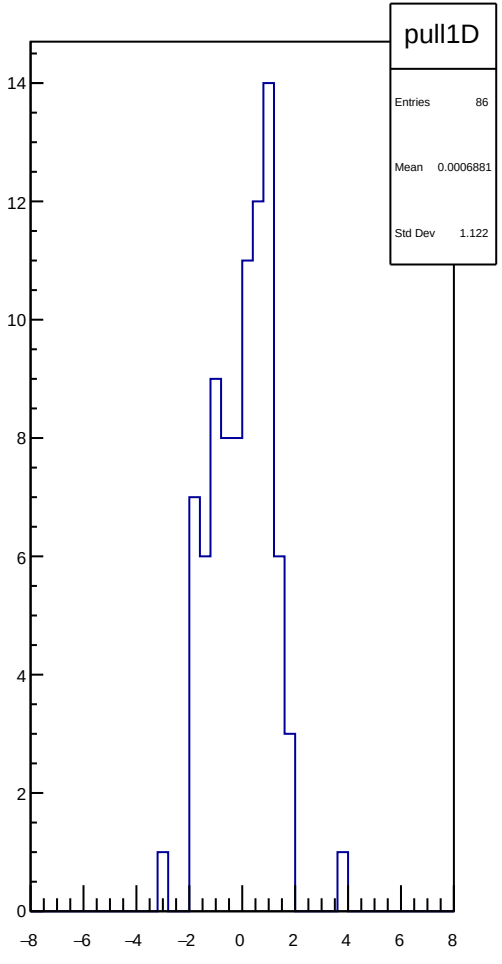

cor_asym_us_avg_rms vs run
χ^2 / ndf 85.09 / 85
p0 775.5 ± 0.6026
795
790
785
780
775
770
765
760
755

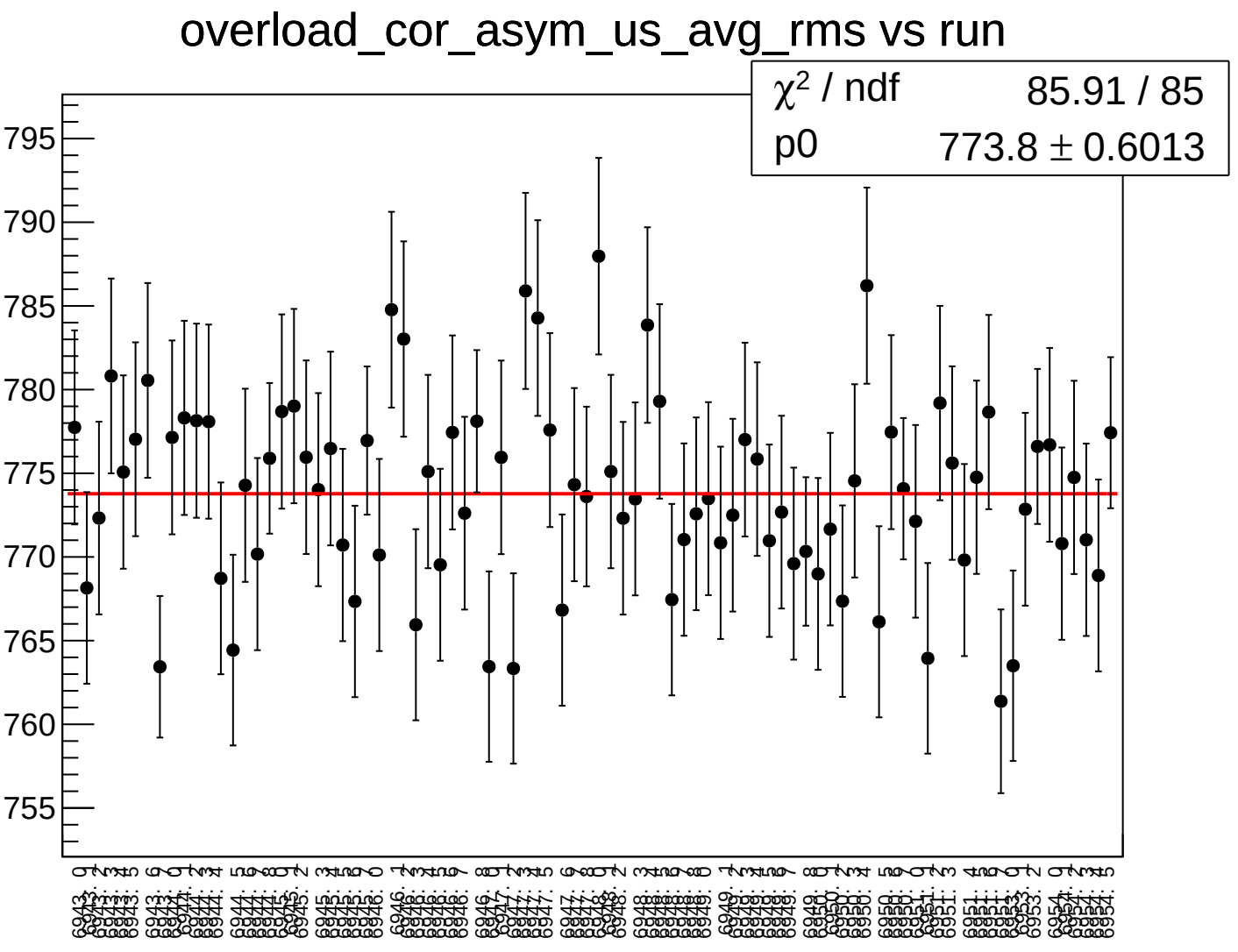

asym_us_avg_cor_correction_mean vs run
χ² / ndf 91.71 / 85
p0 66.99 ± 1843
pull
Entries 86
Mean 122.7
Std Dev 0

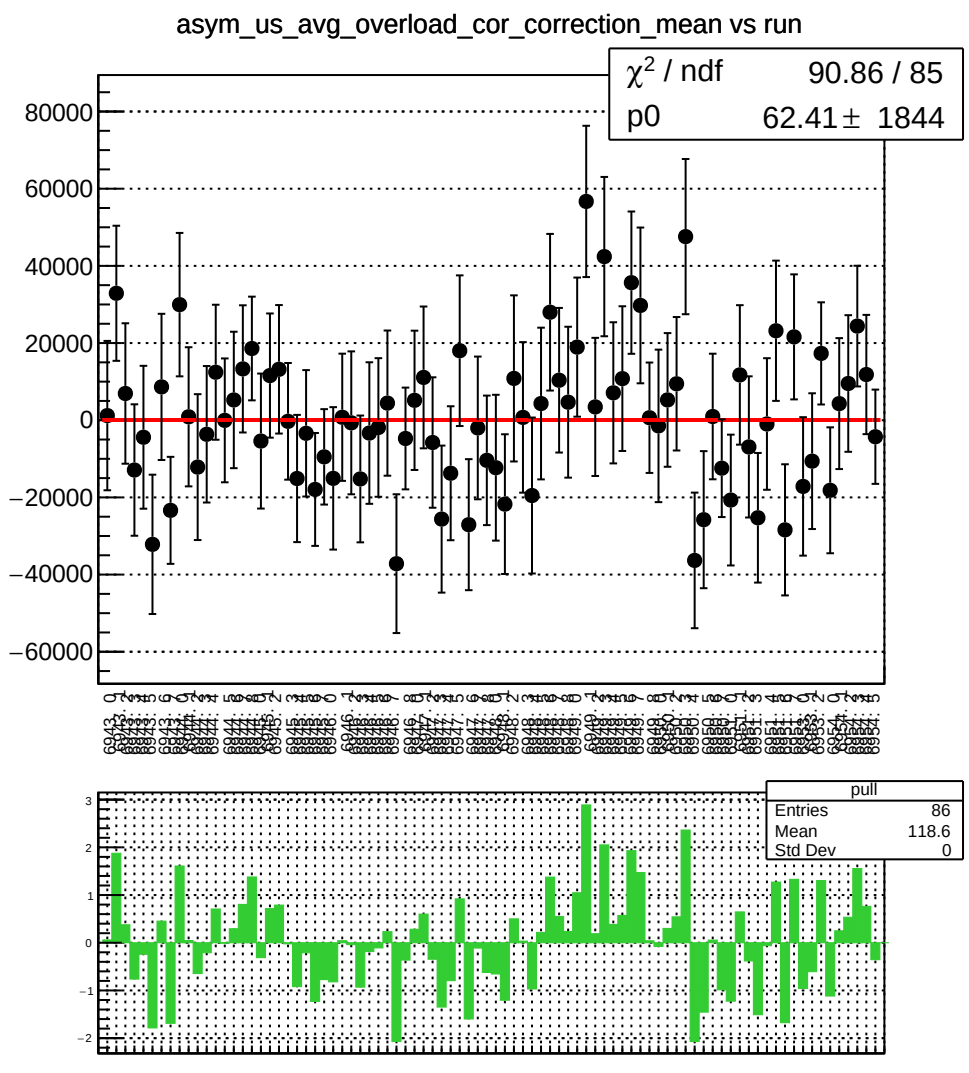

pull1D
Entries 86
Mean 0.02445
Std Dev 1.032

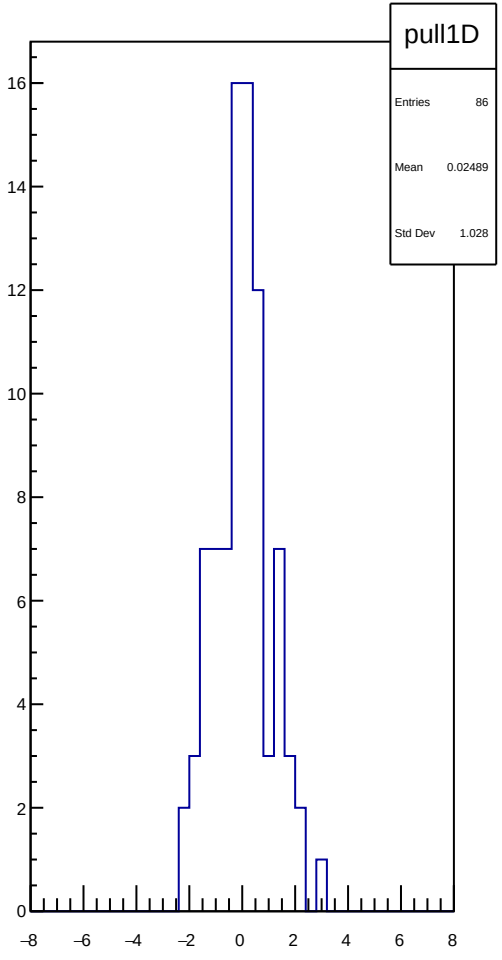

asym_us_avg_cor_correction_rms vs run
χ² / ndf 8759 / 85
p0 1673 ± 1.303
2100
2000
1900
1800
1700
1600
1500
1400

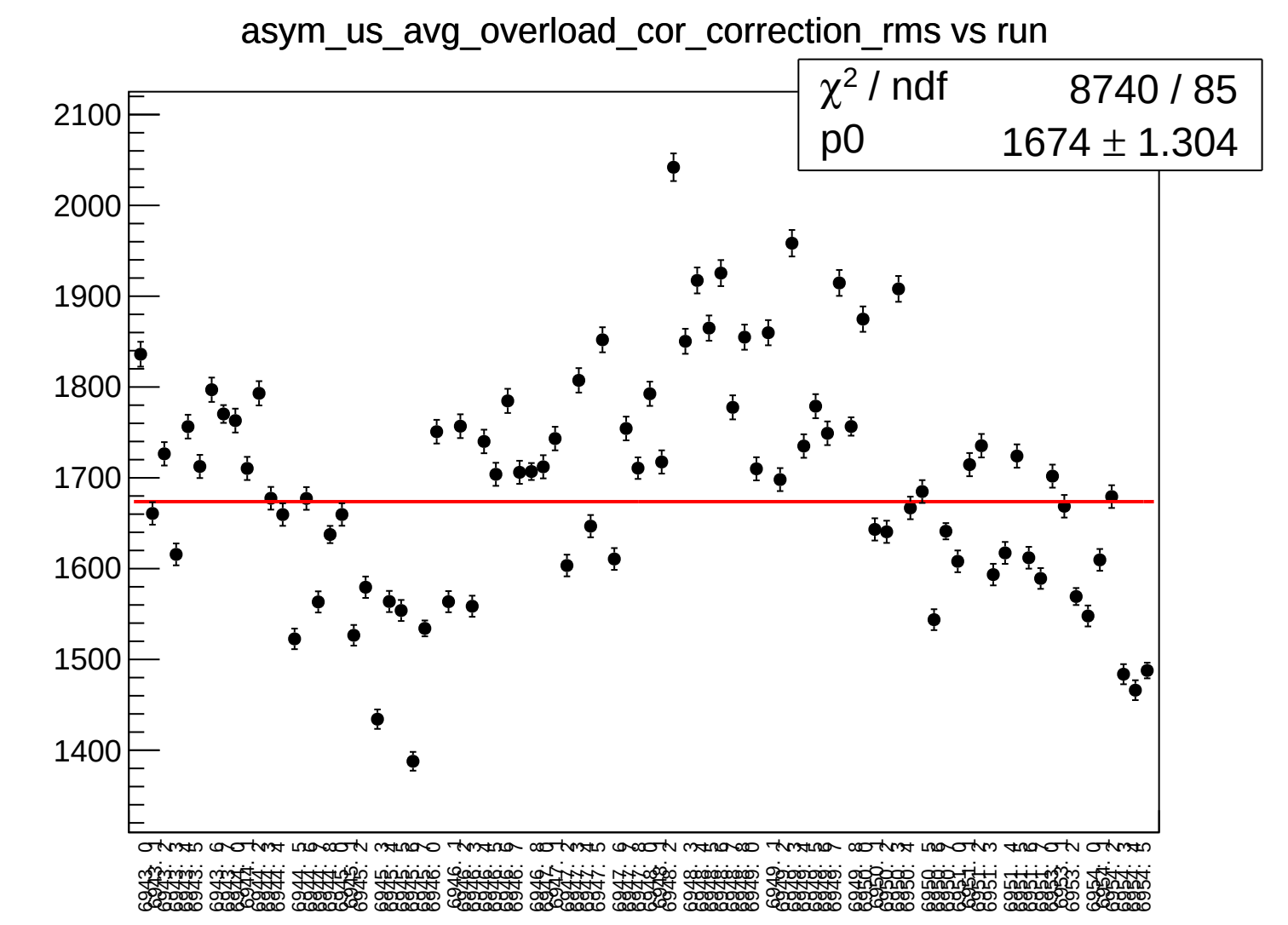

overload_cor_asym_us_avg_mean vs run
χ² / ndf 108.3 / 85
p0 3194 ± 850.3
pull
Entries 86
Mean −3971
Std Dev 0

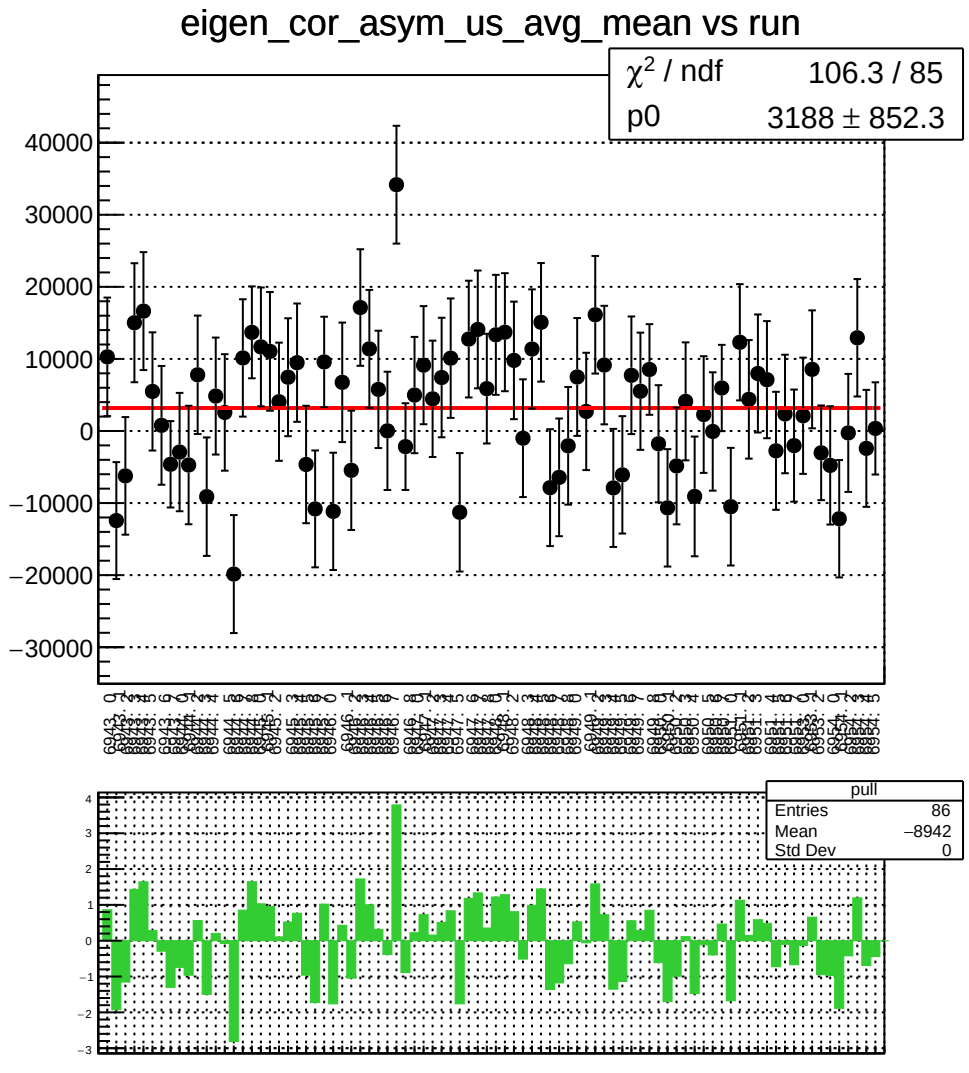

pull1D
Entries 86
Mean 0.0006881
Std Dev 1.122

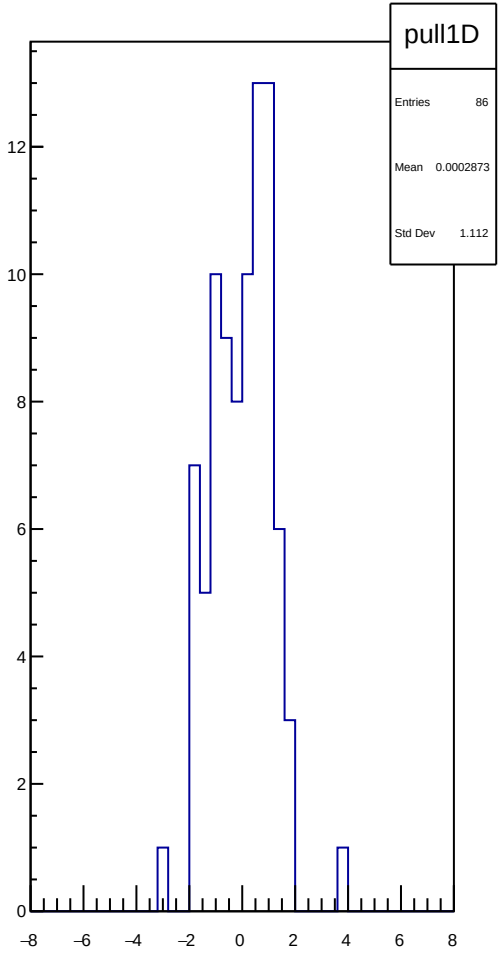

overload_cor_asym_us_avg_rms vs run
χ² / ndf 85.91 / 85
p0 773.8 ± 0.6013
795
790
785
780
775
770
765
760
755

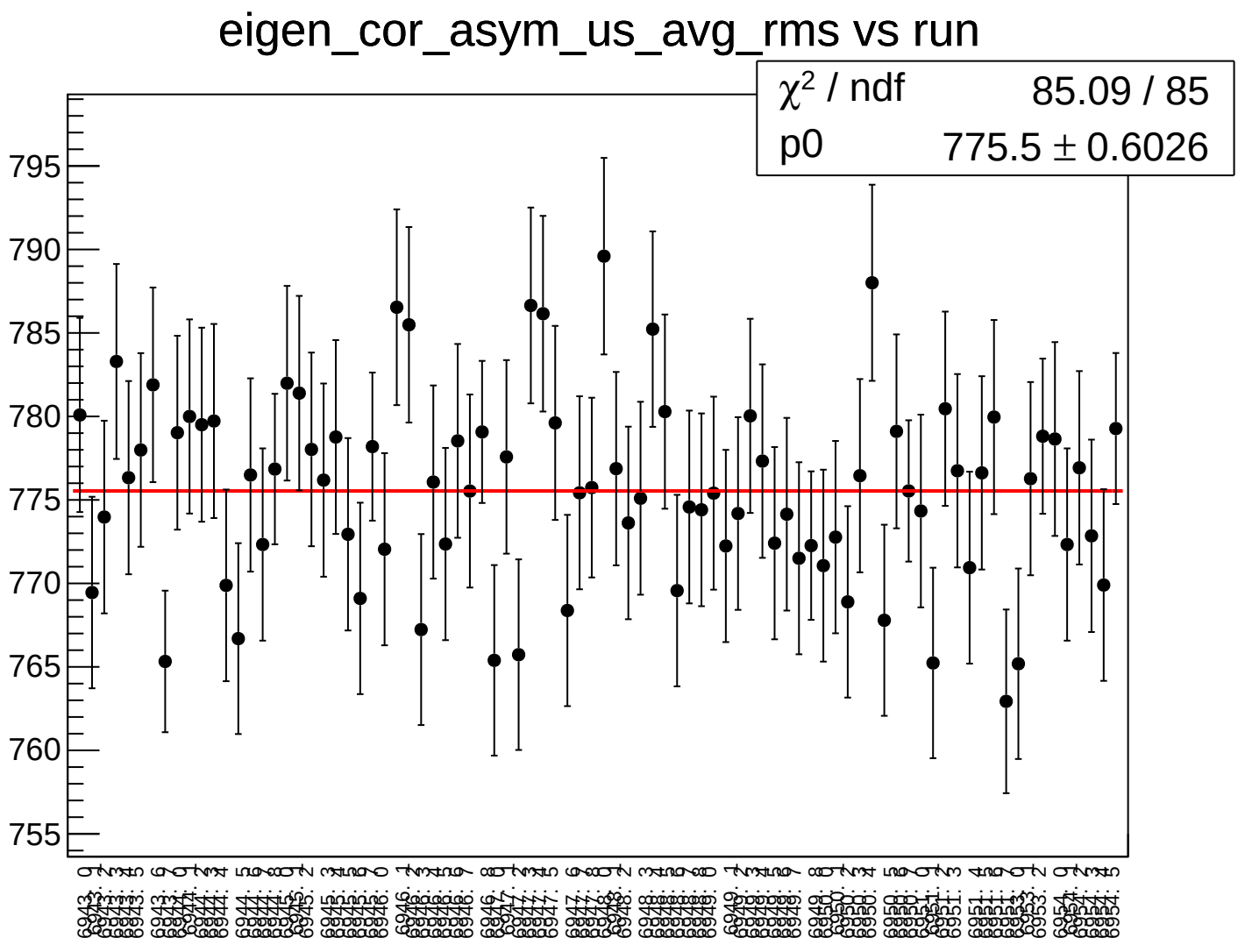

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 90.86 / 85
p0 62.41 ± 1844
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 118.6
Std Dev 0
3
2
1
0
−1
−2

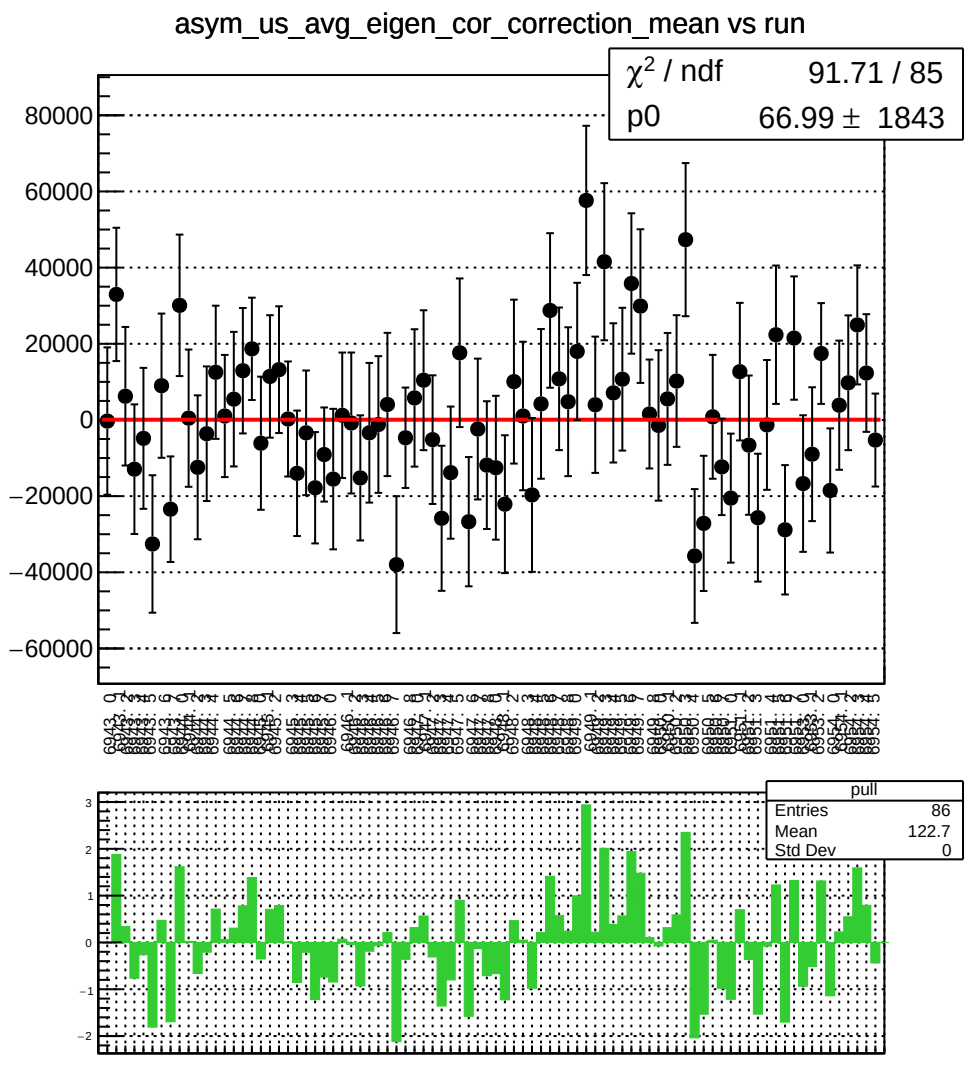

pull1D
Entries 86
Mean 0.02489
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

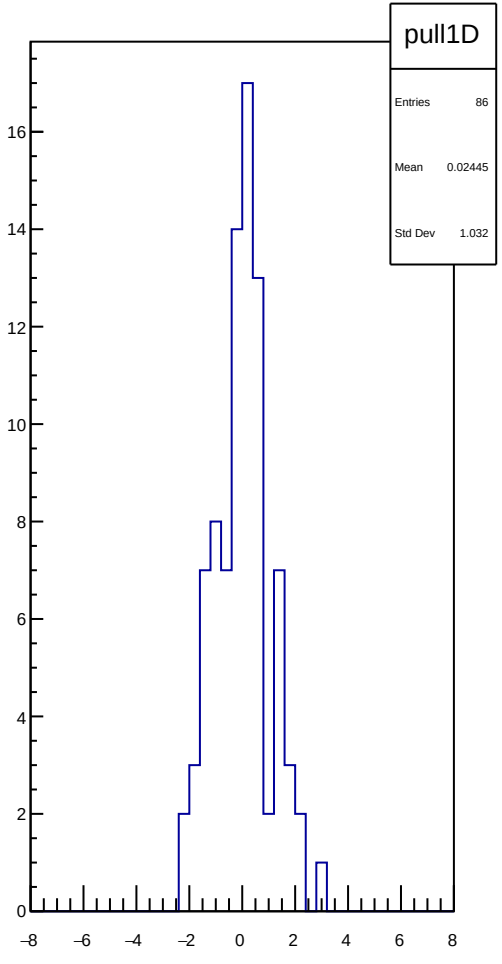

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 8740 / 85
p0 1674 ± 1.304
2100
2000
1900
1800
1700
1600
1500
1400

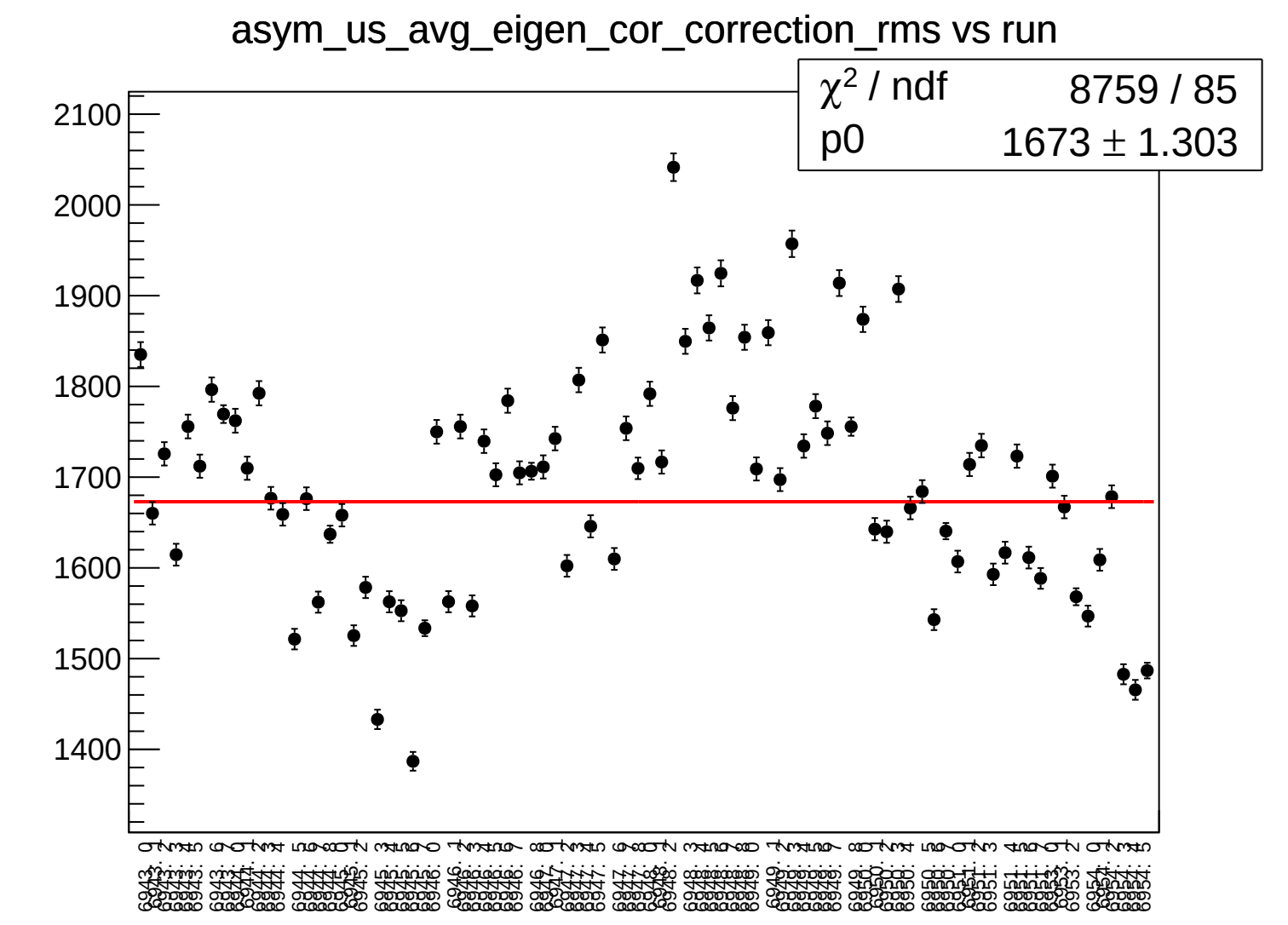

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 106.3 / 85
p0 3188 ± 852.3
pull
Entries 86
Mean −8942
Std Dev 0

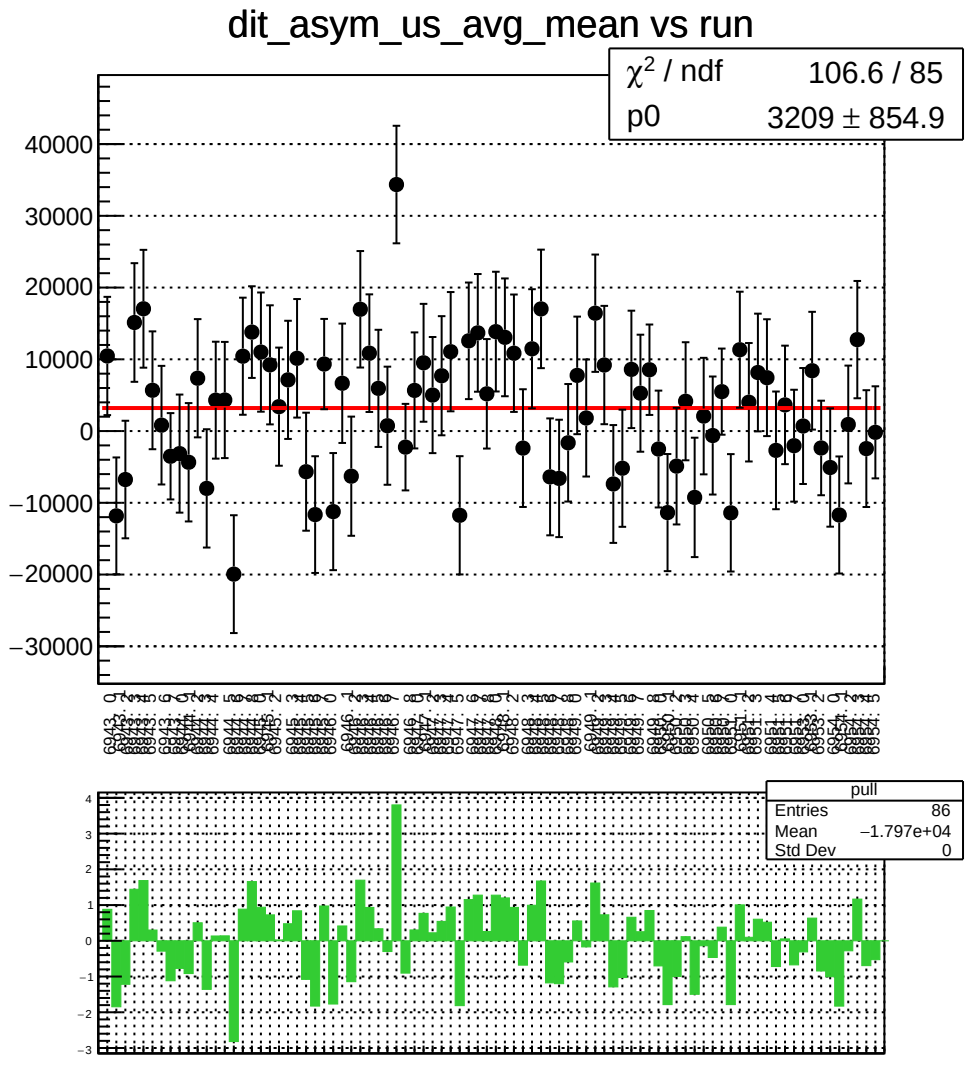

pull1D
Entries 86
Mean 0.0002873
Std Dev 1.112

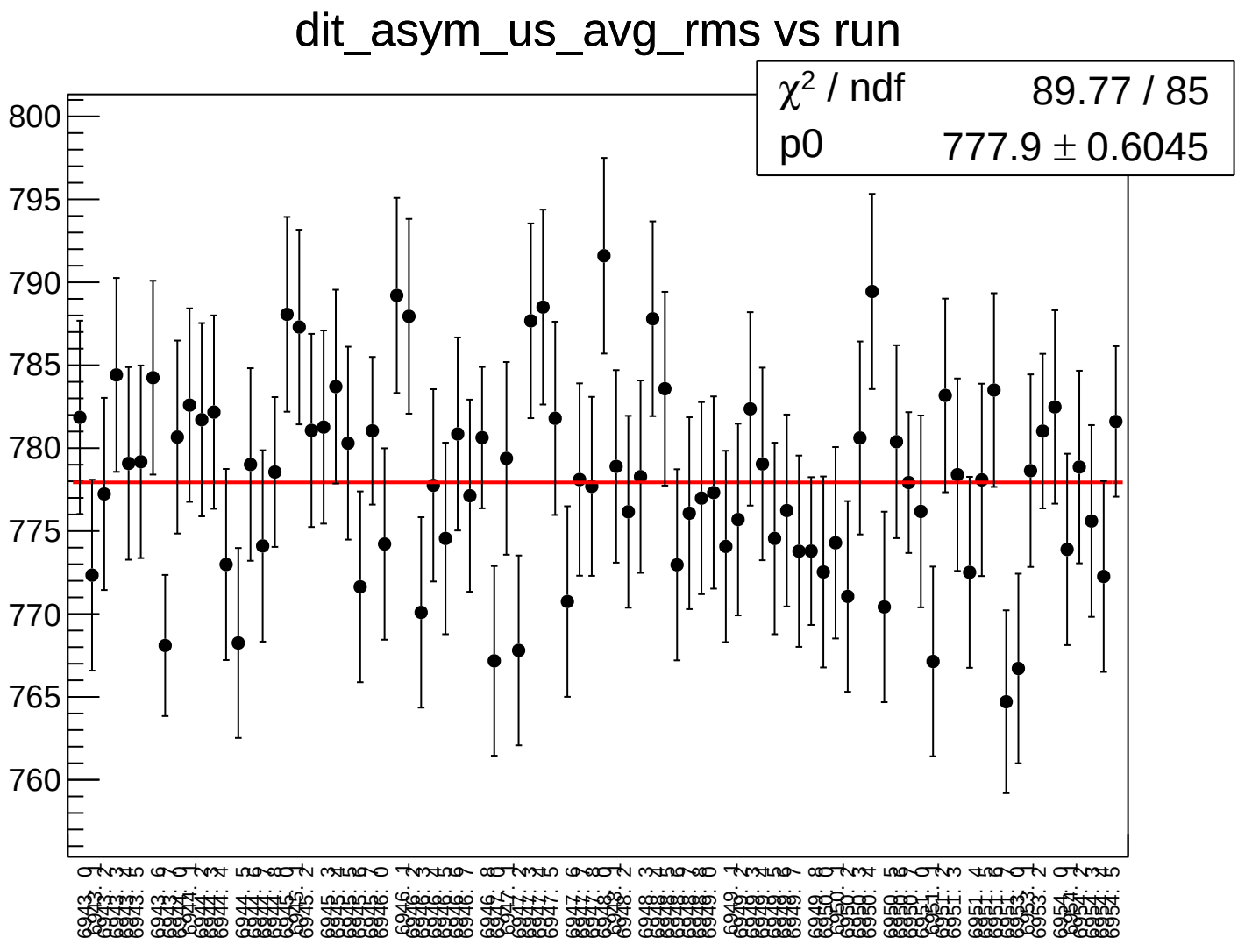

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 85.09 / 85
p0 775.5 ± 0.6026
795
790
785
780
775
770
765
760
755

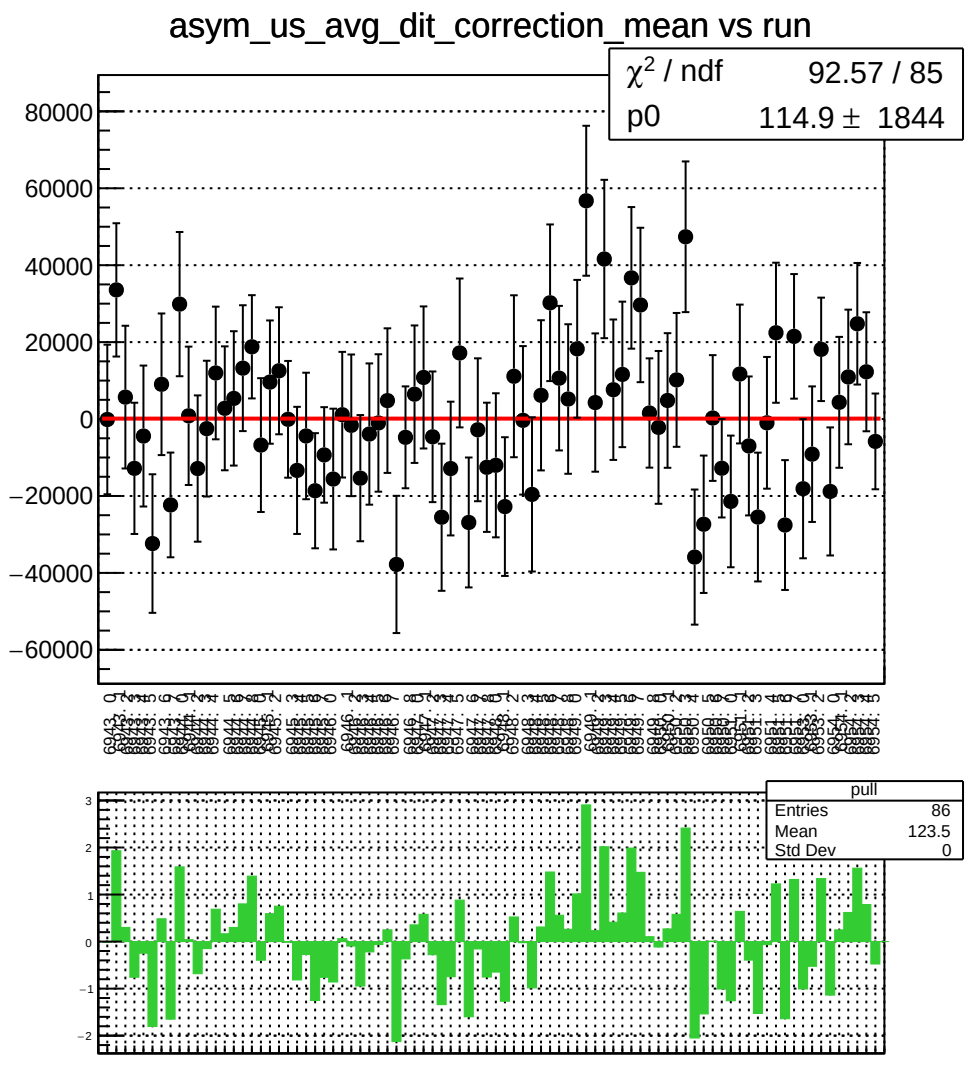

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 91.71 / 85
p0 66.99 ± 1843
pull
Entries 86
Mean 122.7
Std Dev 0

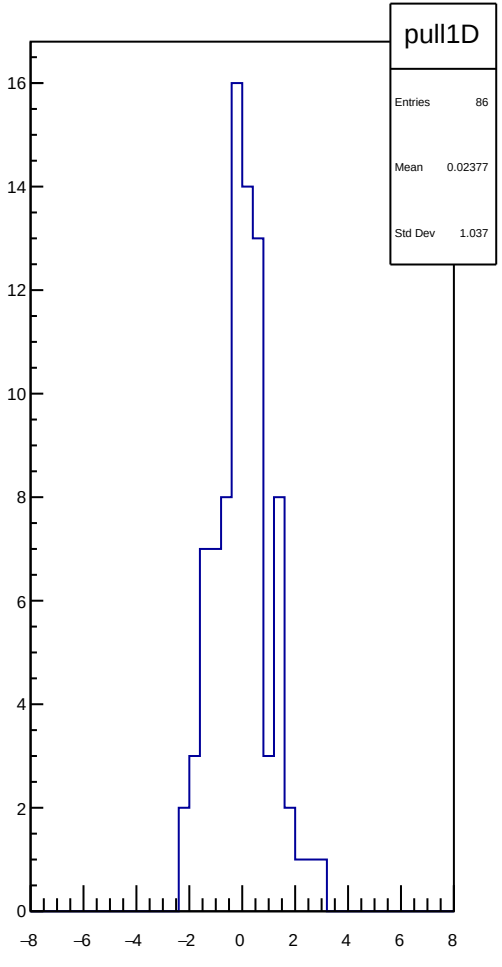

pull1D
Entries 86
Mean 0.02445
Std Dev 1.032

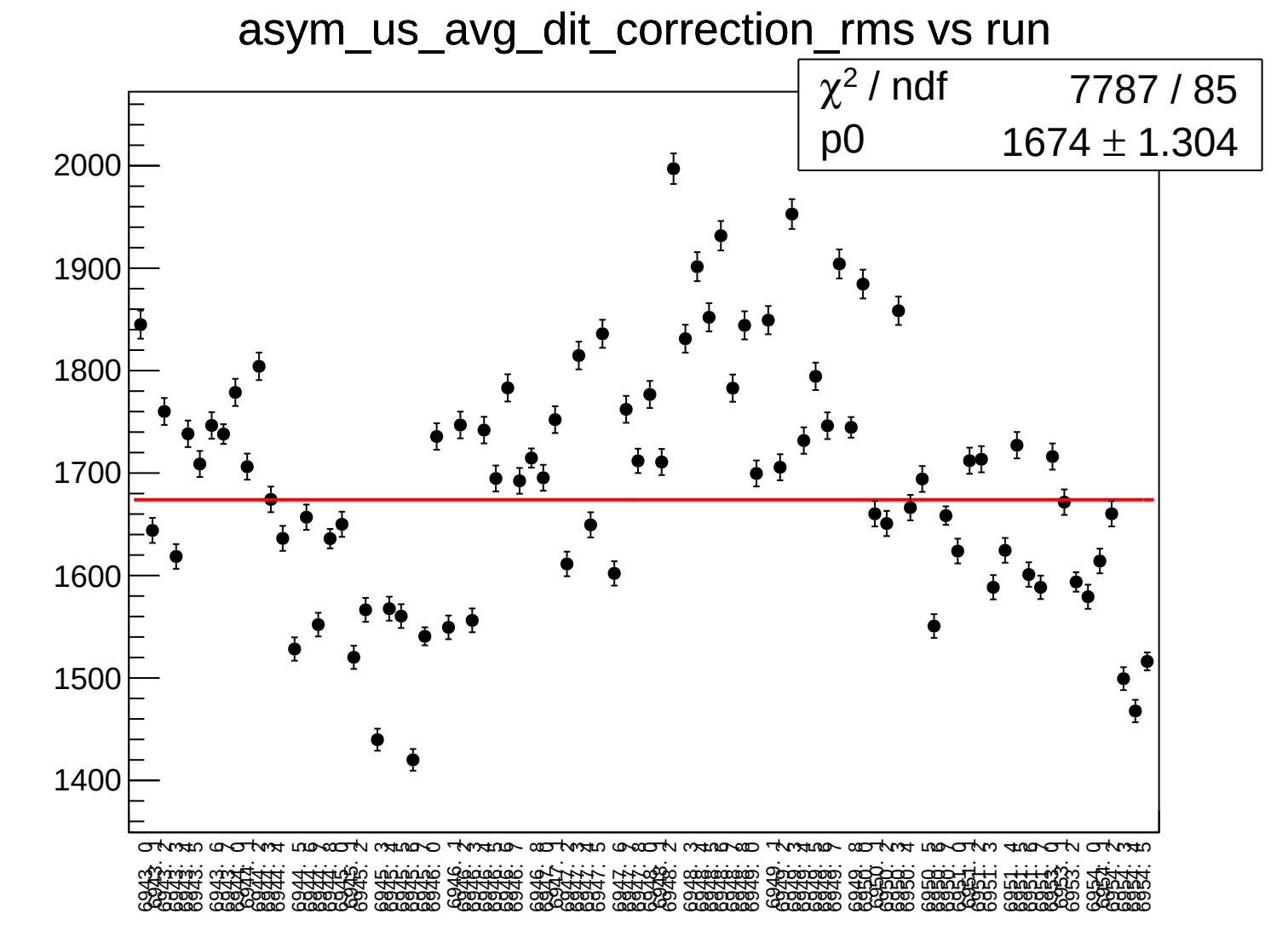

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 8759 / 85
p0 1673 ± 1.303
2100
2000
1900
1800
1700
1600
1500
1400

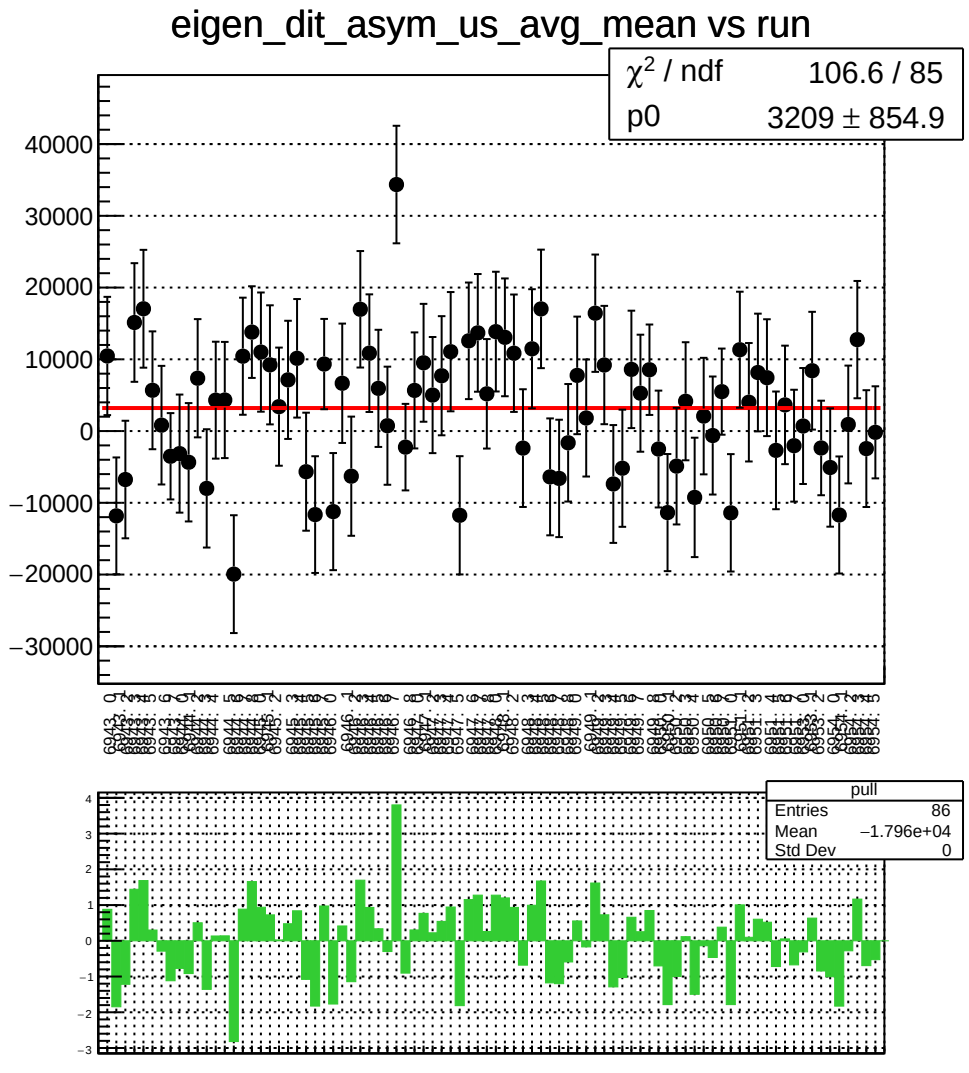

dit_asym_us_avg_mean vs run
χ² / ndf 106.6 / 85
p0 3209 ± 854.9
pull
Entries 86
Mean −1.797e+04
Std Dev 0
pull1D
Entries 86
Mean 0.0001497
Std Dev 1.113

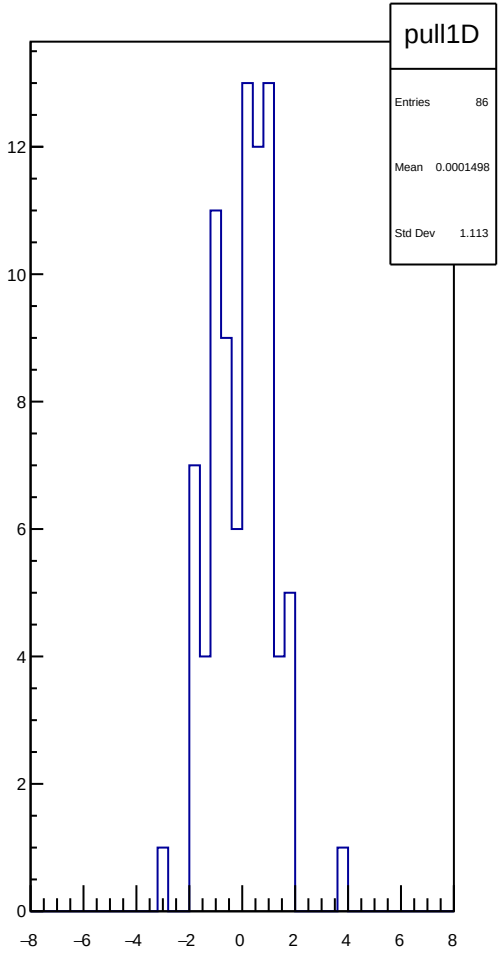

dit_asym_us_avg_rms vs run
χ² / ndf 89.77 / 85
p0 777.9 ± 0.6045
800
795
790
785
780
775
770
765
760

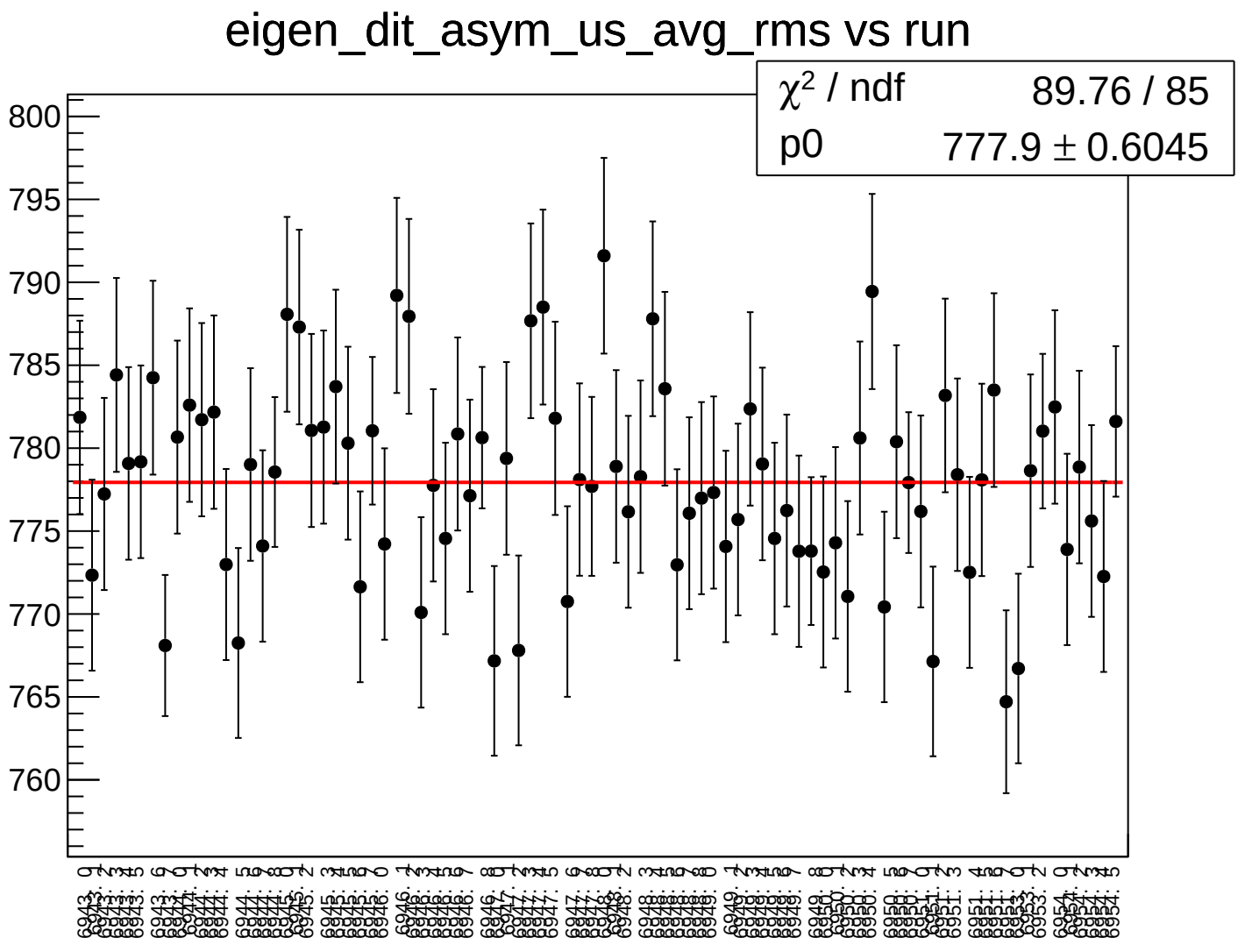

asym_us_avg_dit_correction_mean vs run
χ² / ndf 92.57 / 85
p0 114.9 ± 1844
pull
Entries 86
Mean 123.5
Std Dev 0

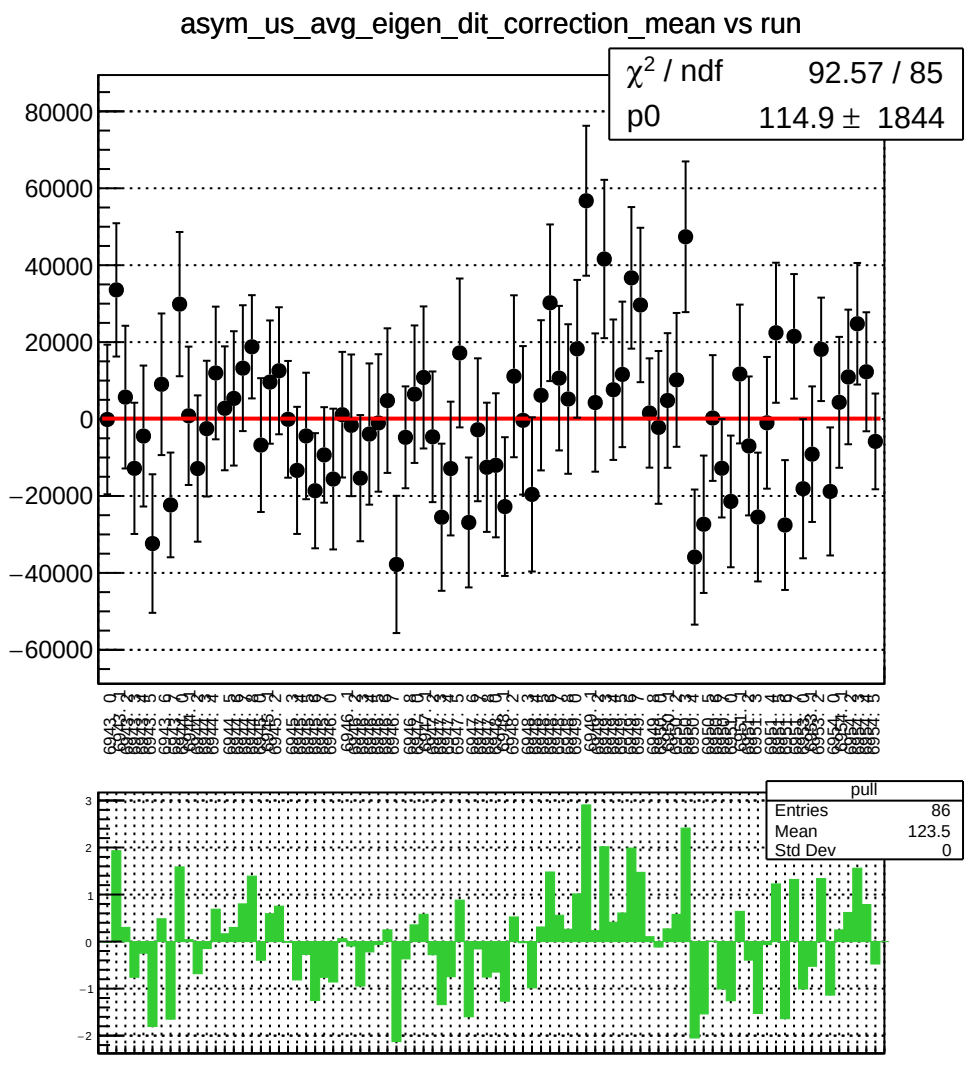

pull1D
Entries 86
Mean 0.02377
Std Dev 1.037

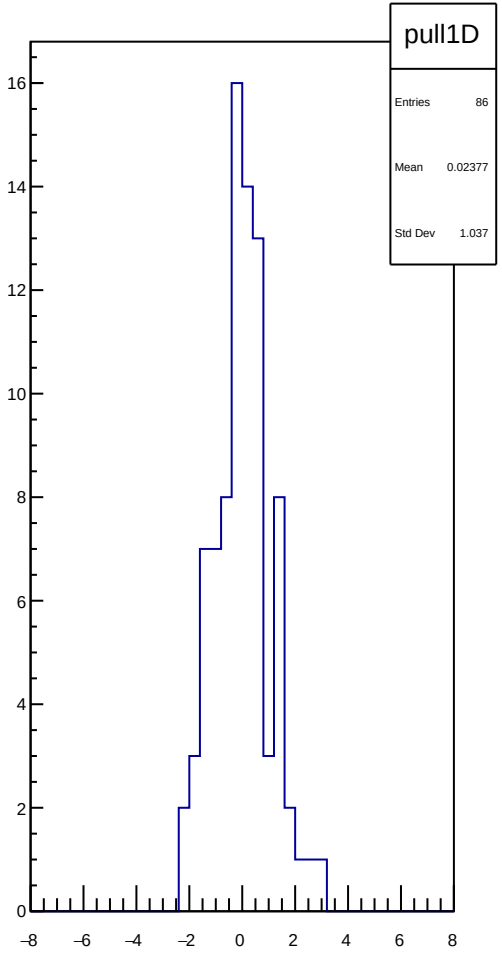

asym_us_avg_dit_correction_rms vs run
χ² / ndf 7787 / 85
p0 1674 ± 1.304
2000
1900
1800
1700
1600
1500
1400

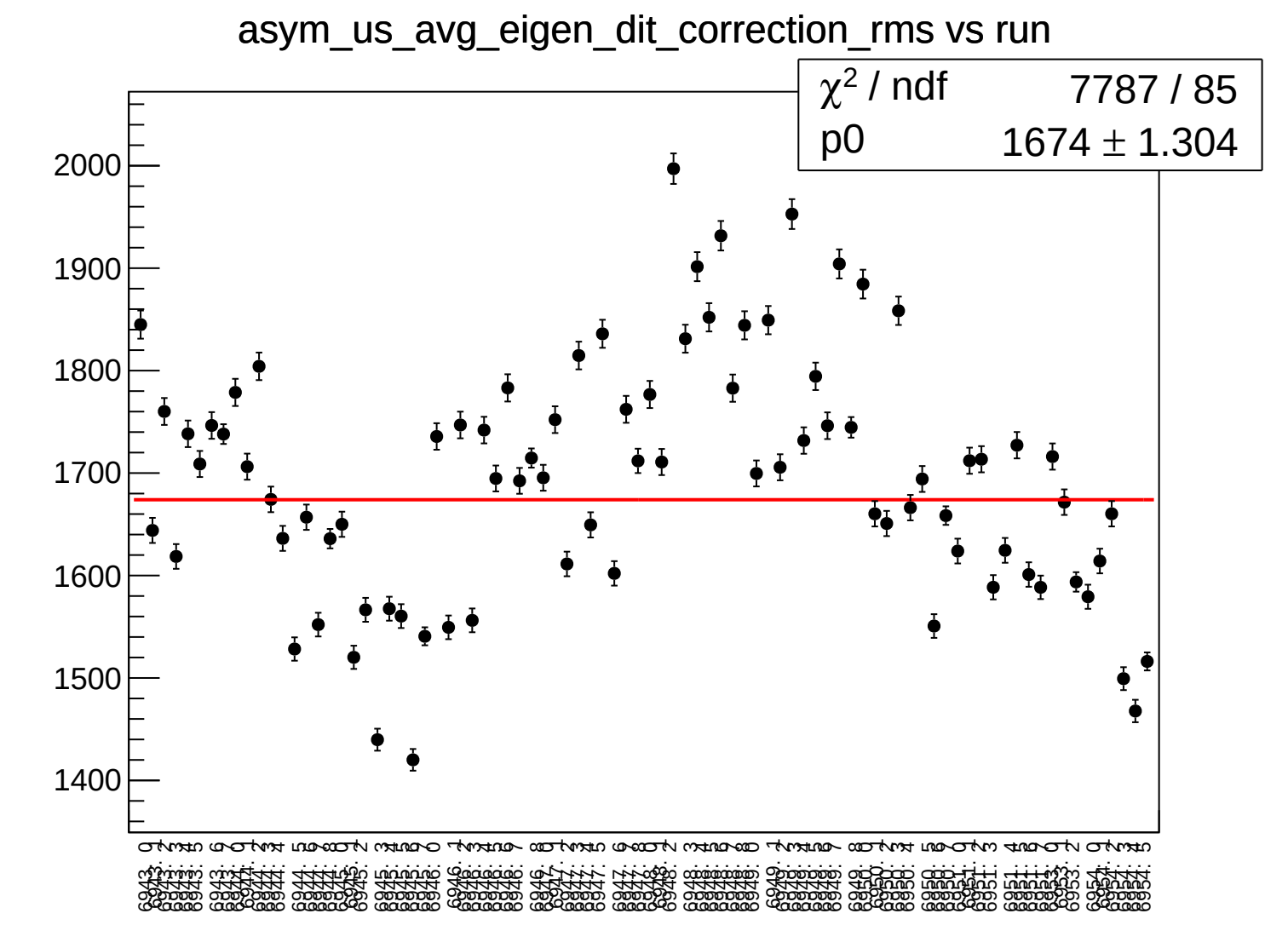

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 106.6 / 85
p0 3209 ± 854.9
pull
Entries 86
Mean −1.796e+04
Std Dev 0

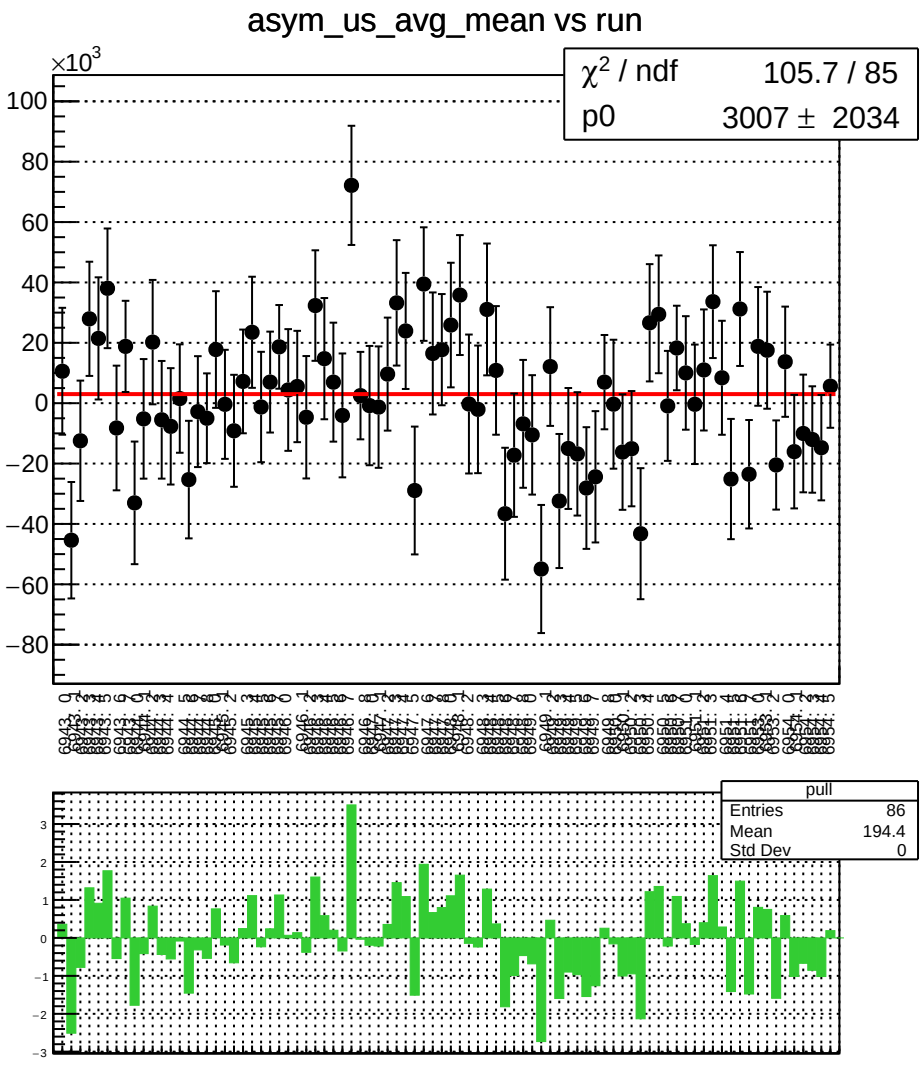

pull1D
Entries 86
Mean 0.0001498
Std Dev 1.113

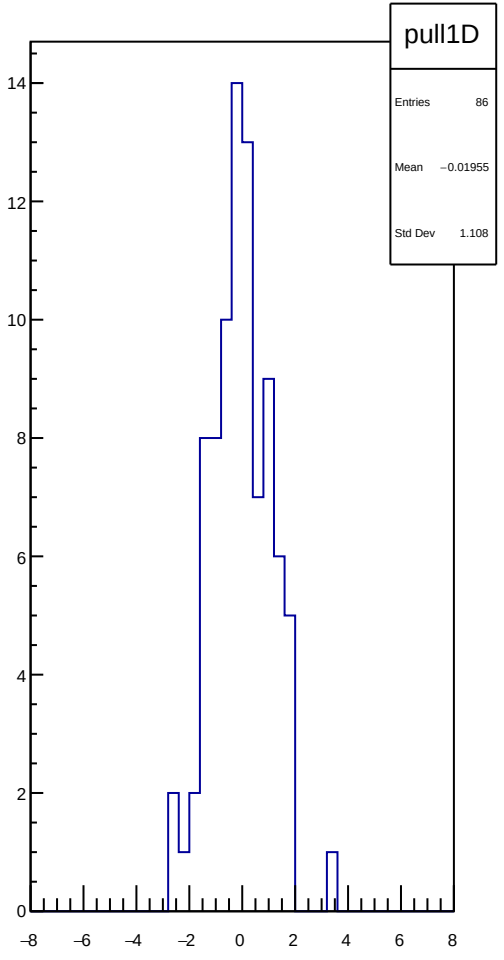

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 89.76 / 85
p0 777.9 ± 0.6045
800
795
790
785
780
775
770
765
760

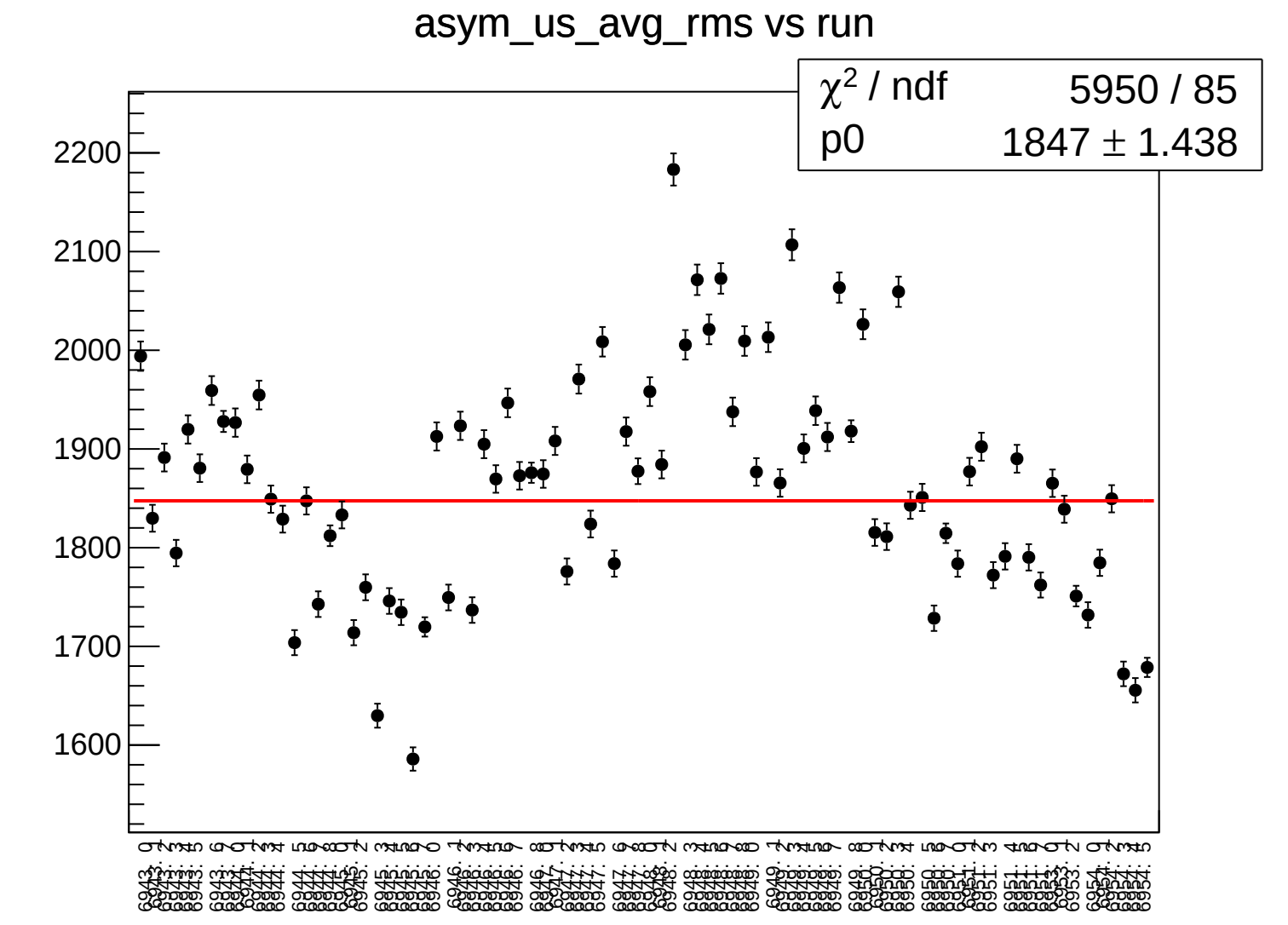

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 92.57 / 85
p0 114.9 ± 1844
pull
Entries 86
Mean 123.5
Std Dev 0

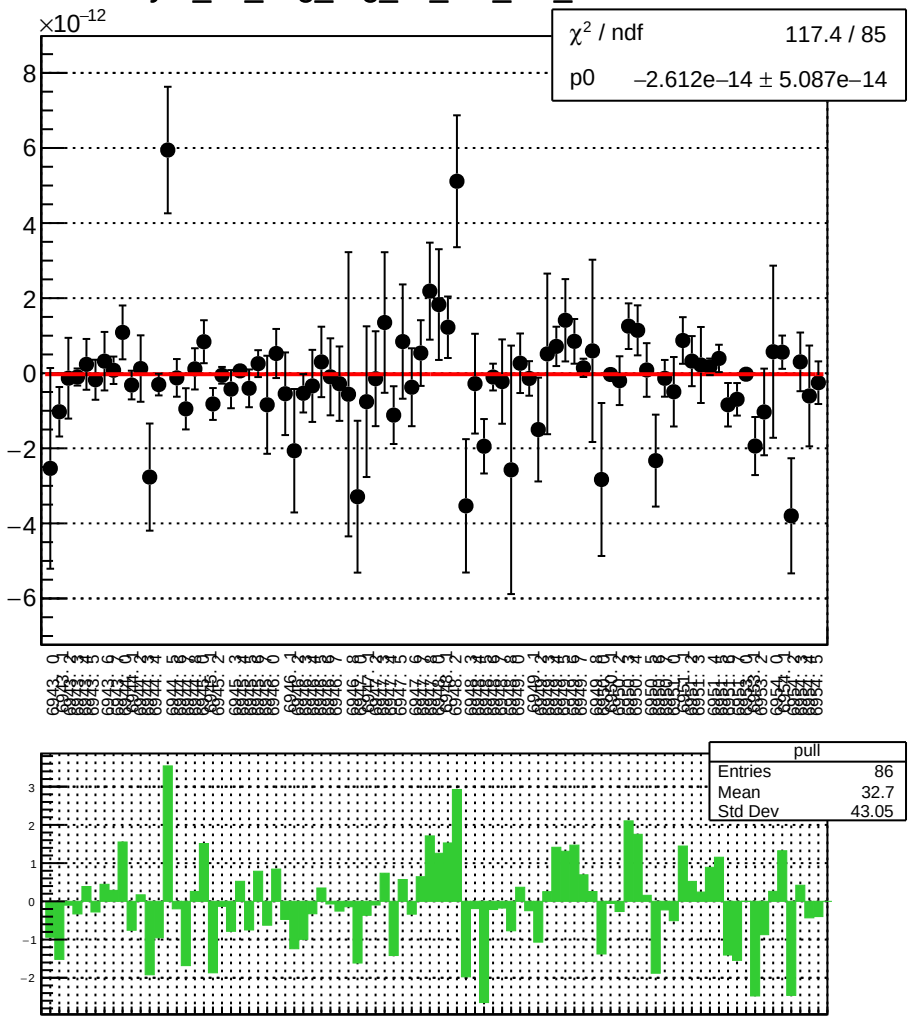

pull1D
Entries 86
Mean 0.02377
Std Dev 1.037

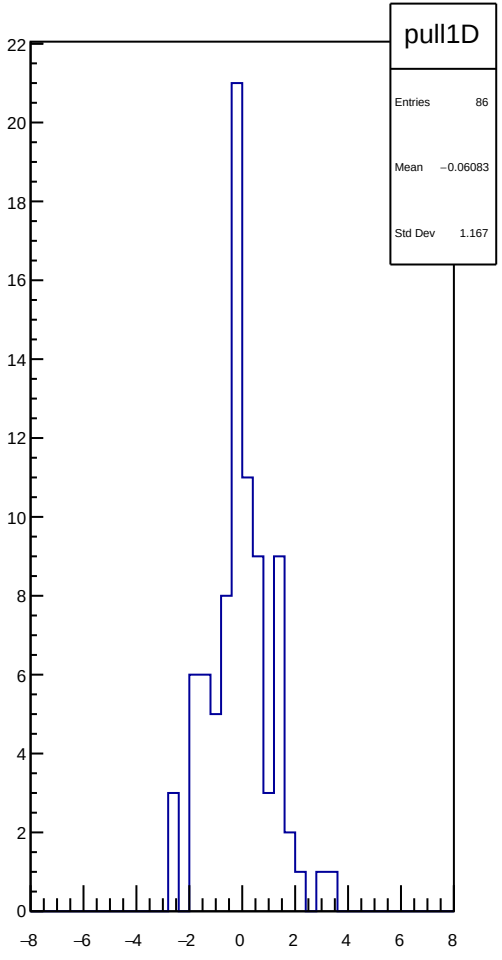

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 7787 / 85
p0 1674 ± 1.304
2000
1900
1800
1700
1600
1500
1400

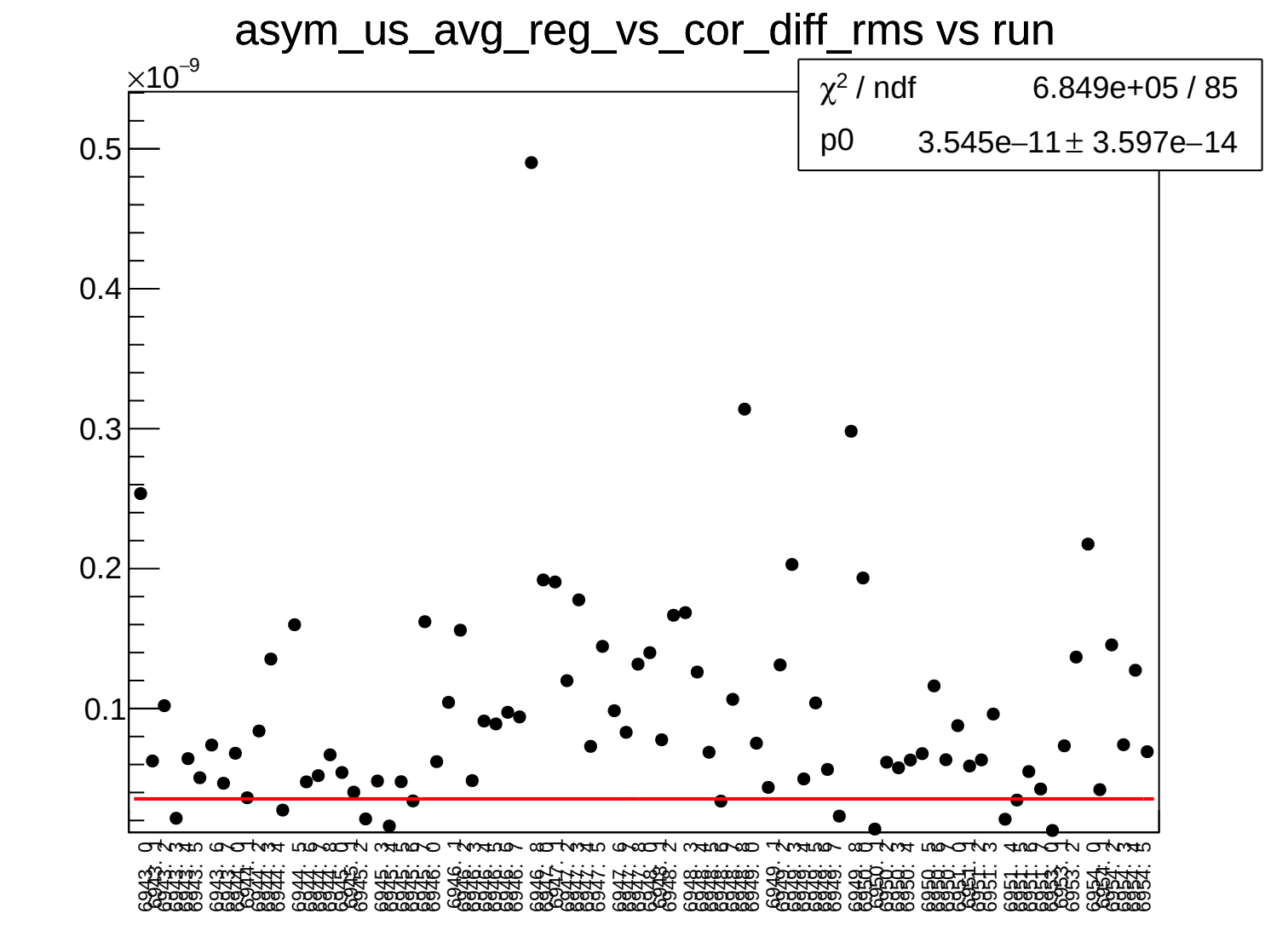

asym_us_avg_mean vs run
×10^3
χ² / ndf 105.7 / 85
p0 3007 ± 2034
pull
Entries 86
Mean 194.4
Std Dev 0

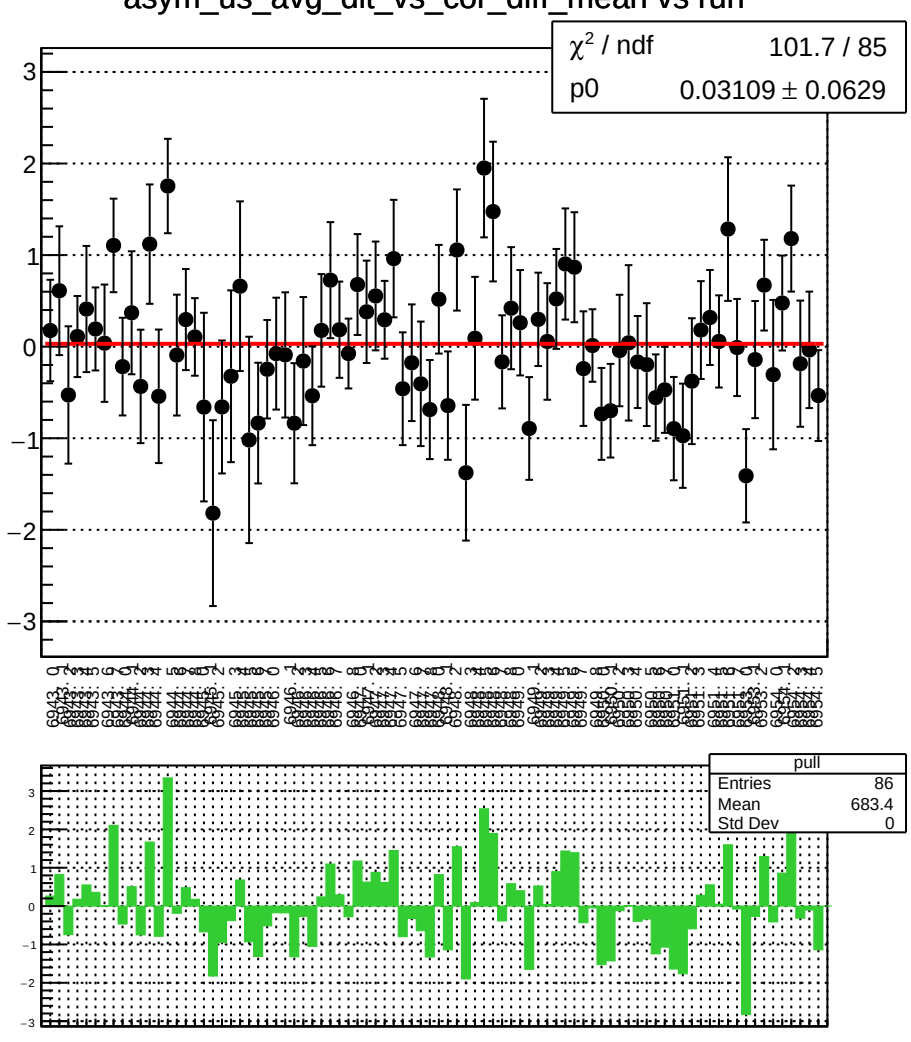

pull1D
Entries 86
Mean −0.01955
Std Dev 1.108

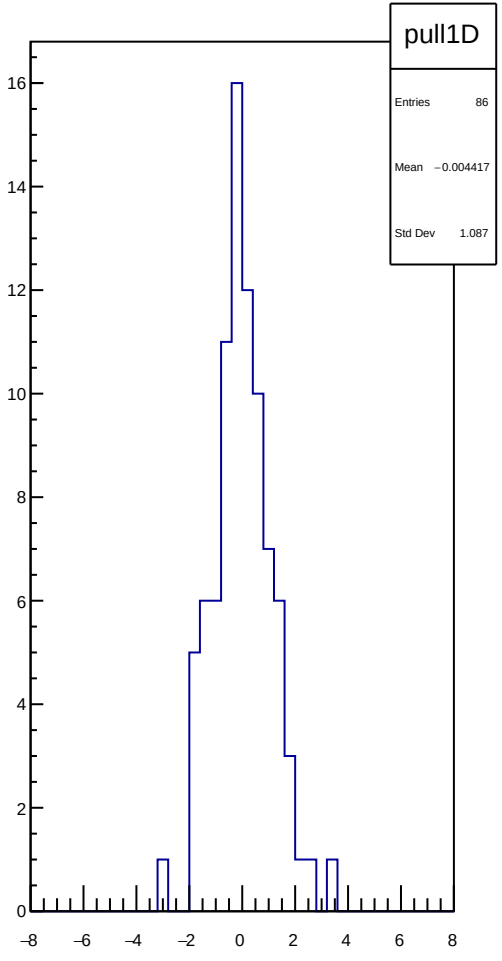

asym_us_avg_rms vs run
χ^2 / ndf 5950 / 85
p0 1847 ± 1.438
2200
2100
2000
1900
1800
1700
1600

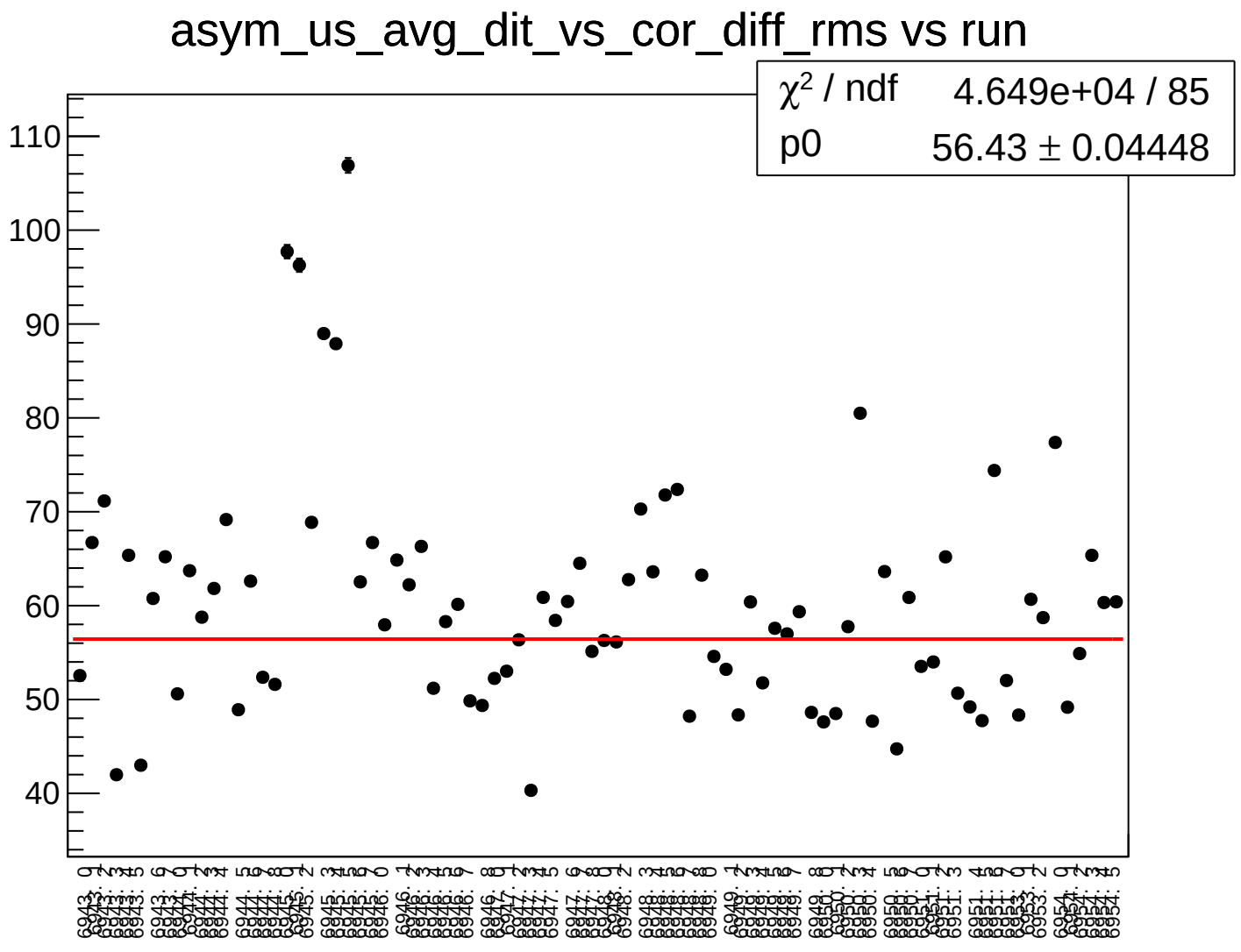

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 117.4 / 85
p0 −2.612e−14 ± 5.087e−14
pull
Entries 86
Mean 32.7
Std Dev 43.05

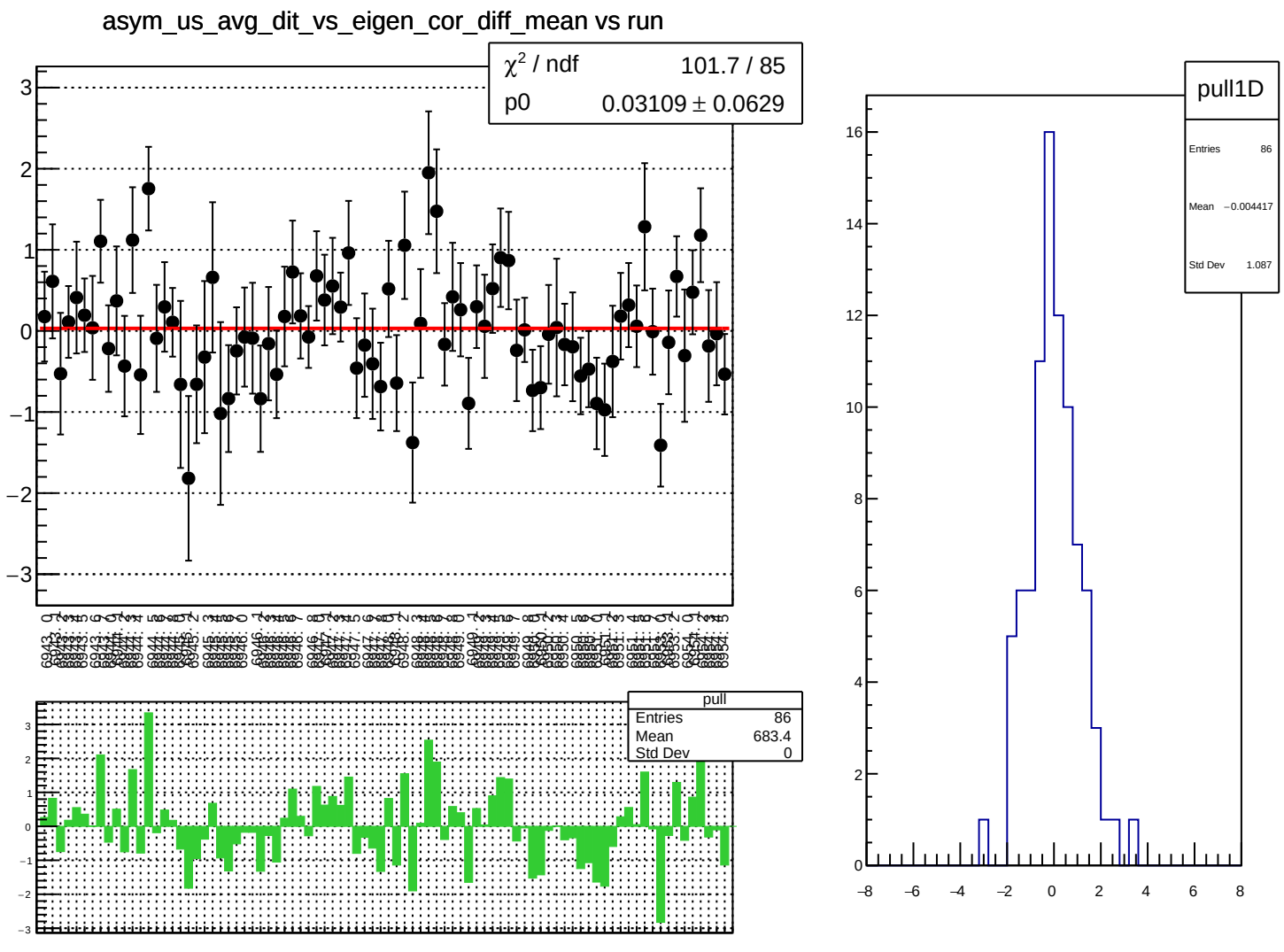

pull1D
Entries 86
Mean −0.06083
Std Dev 1.167

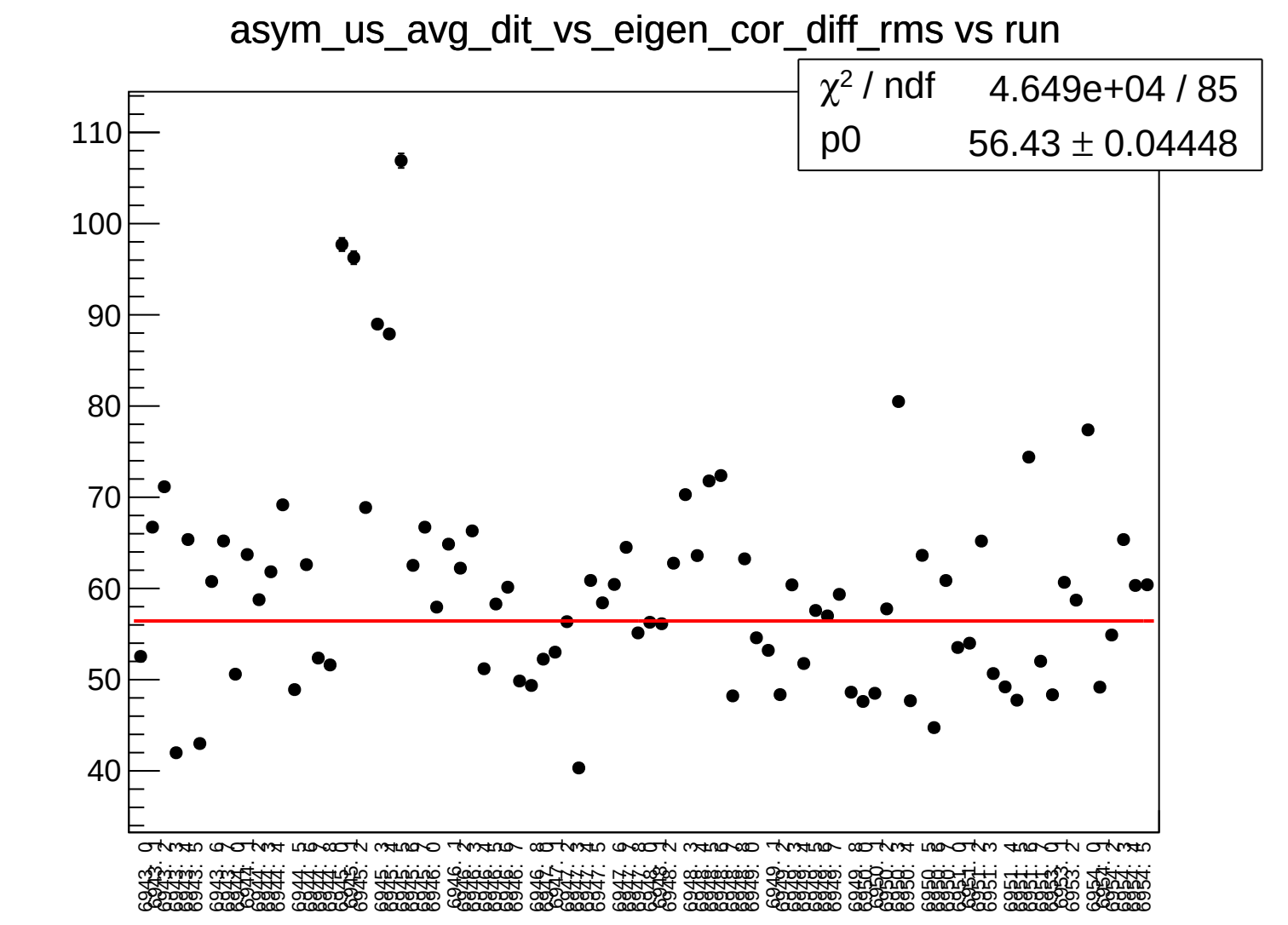

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.849e+05 / 85
p0 3.545e−11 ± 3.597e−14
0.5
0.4
0.3
0.2
0.1

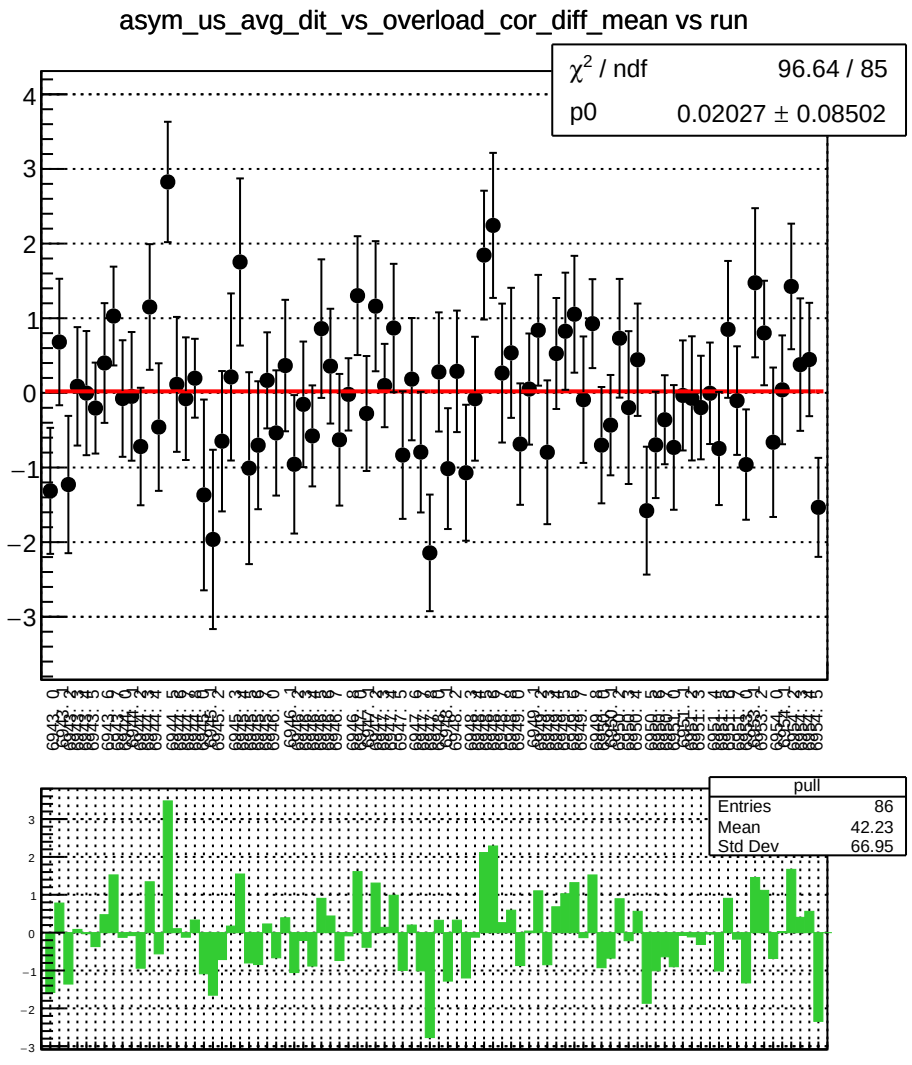

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 101.7 / 85
p0 0.03109 ± 0.0629
pull
Entries 86
Mean 683.4
Std Dev 0

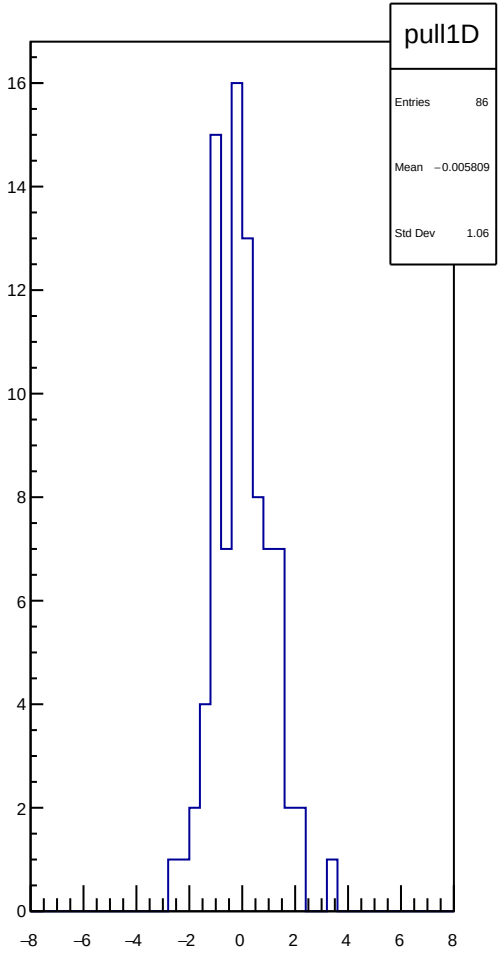

pull1D
Entries 86
Mean −0.004417
Std Dev 1.087

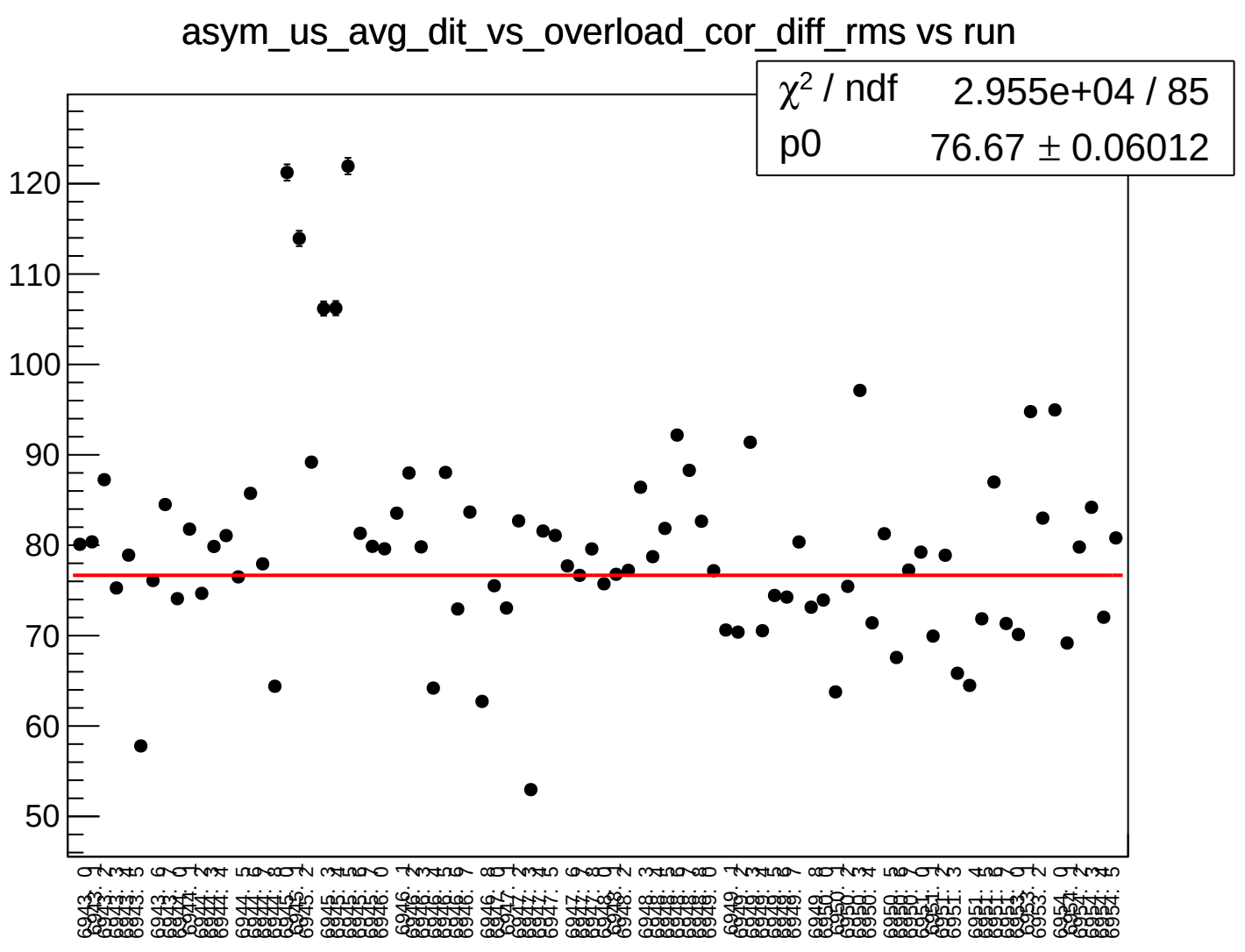

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.649e+04 / 85
p0 56.43 ± 0.04448
110
100
90
80
70
60
50
40

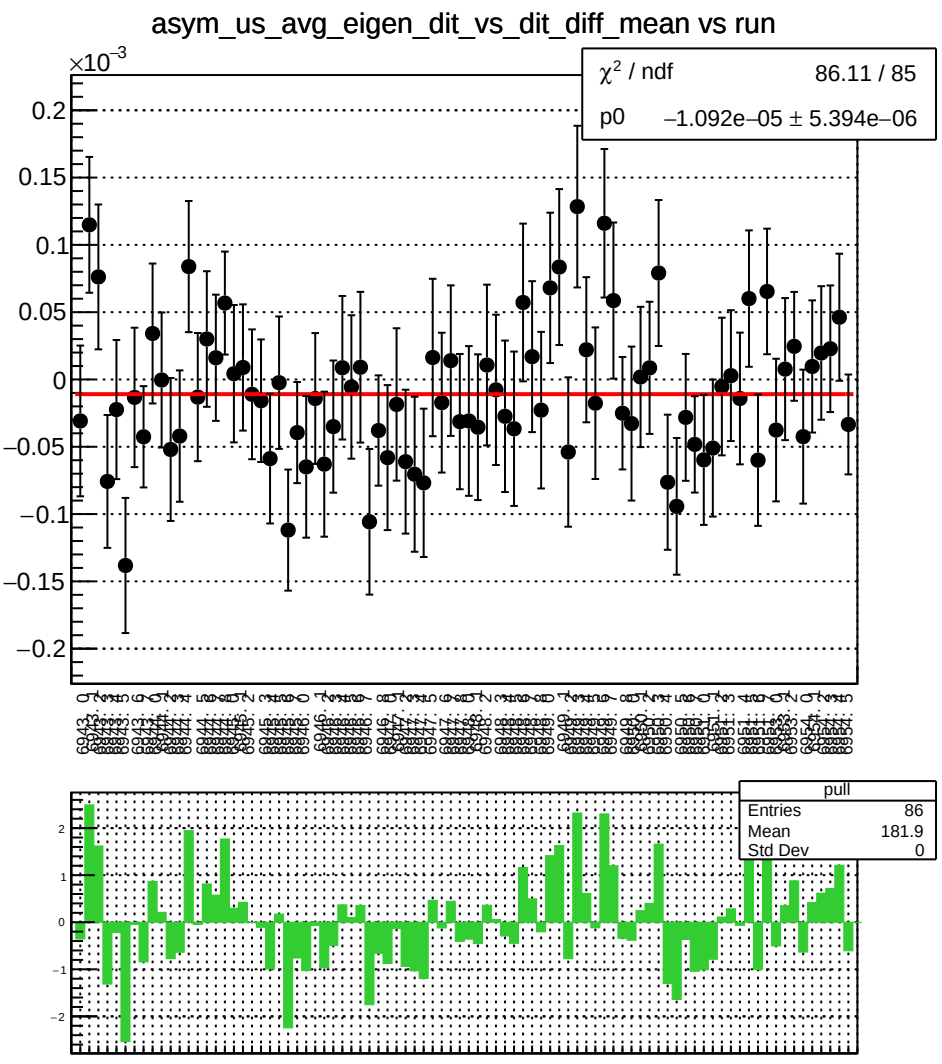

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.7 / 85
p0 0.03109 ± 0.0629
pull
Entries 86
Mean 683.4
Std Dev 0
pull1D
Entries 86
Mean −0.004417
Std Dev 1.087

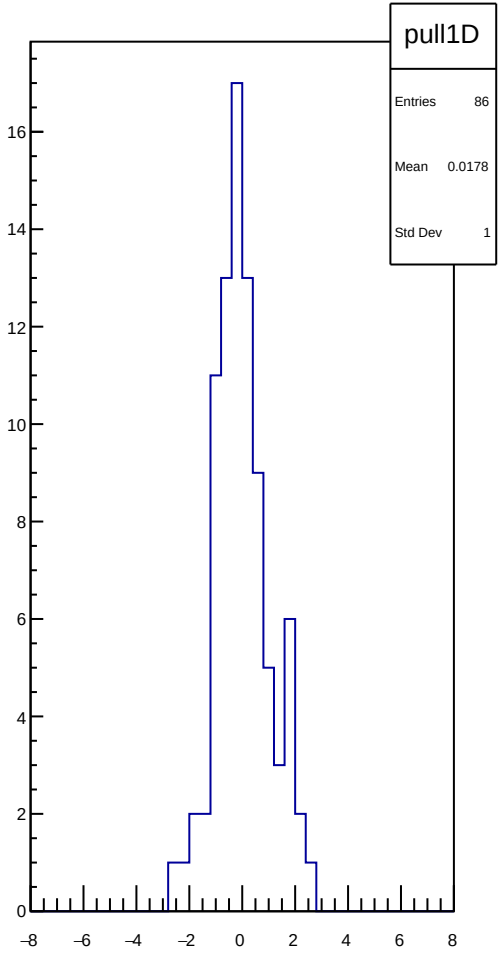

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.649e+04 / 85
p0 56.43 ± 0.04448
110
100
90
80
70
60
50
40

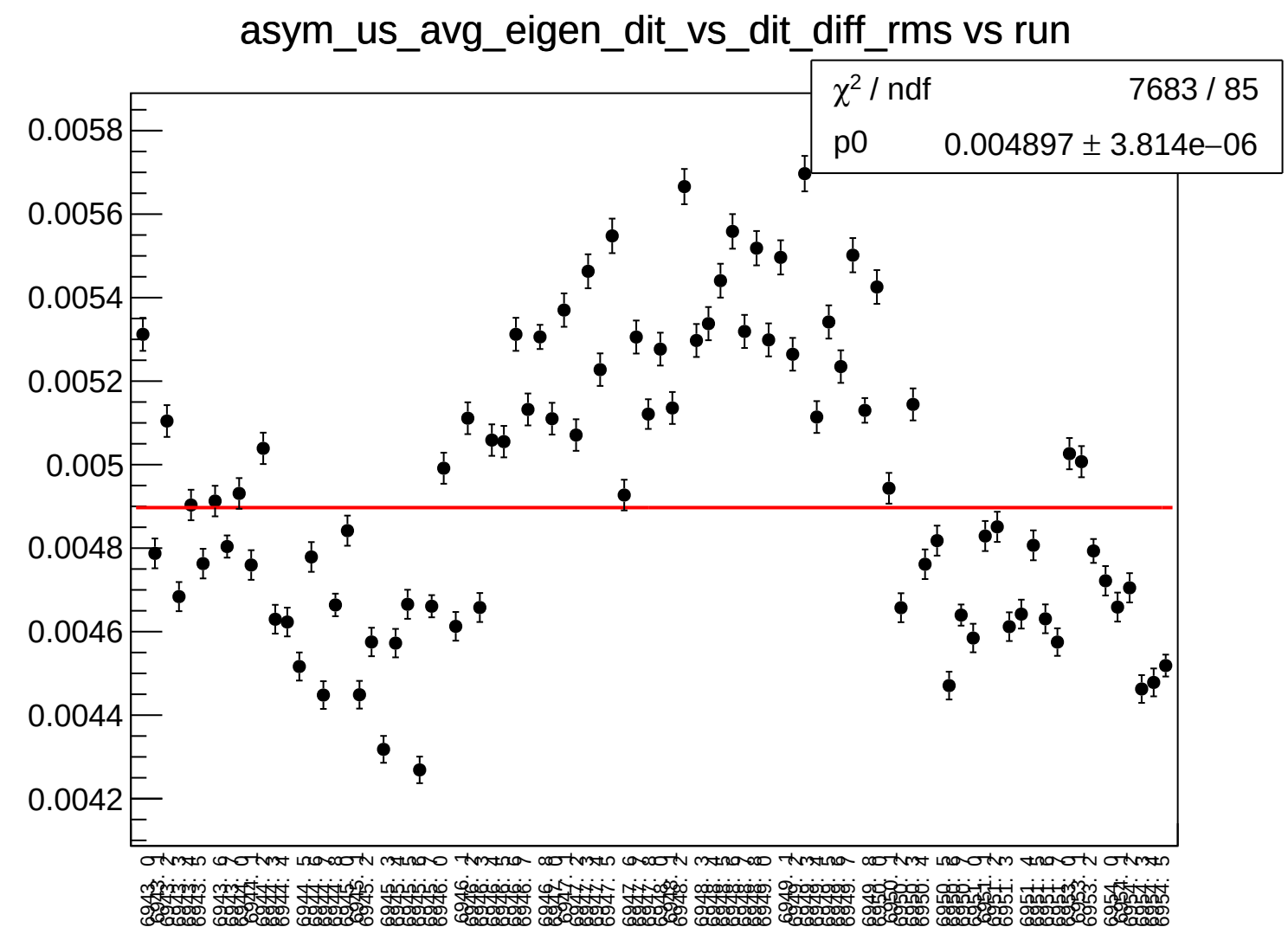

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 96.64 / 85
p0 0.02027 ± 0.08502
pull
Entries 86
Mean 42.23
Std Dev 66.95

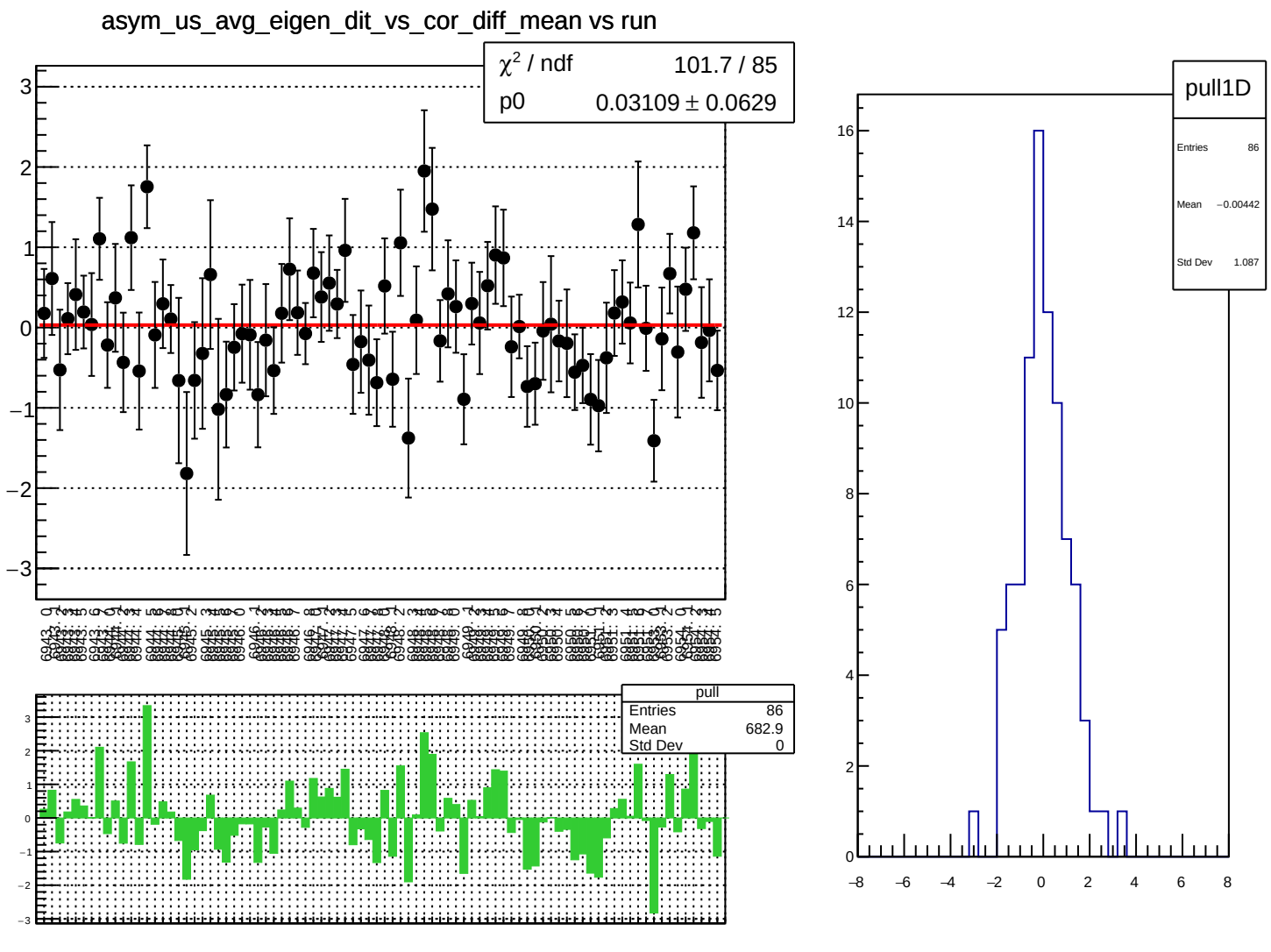

pull1D
Entries 86
Mean −0.005809
Std Dev 1.06

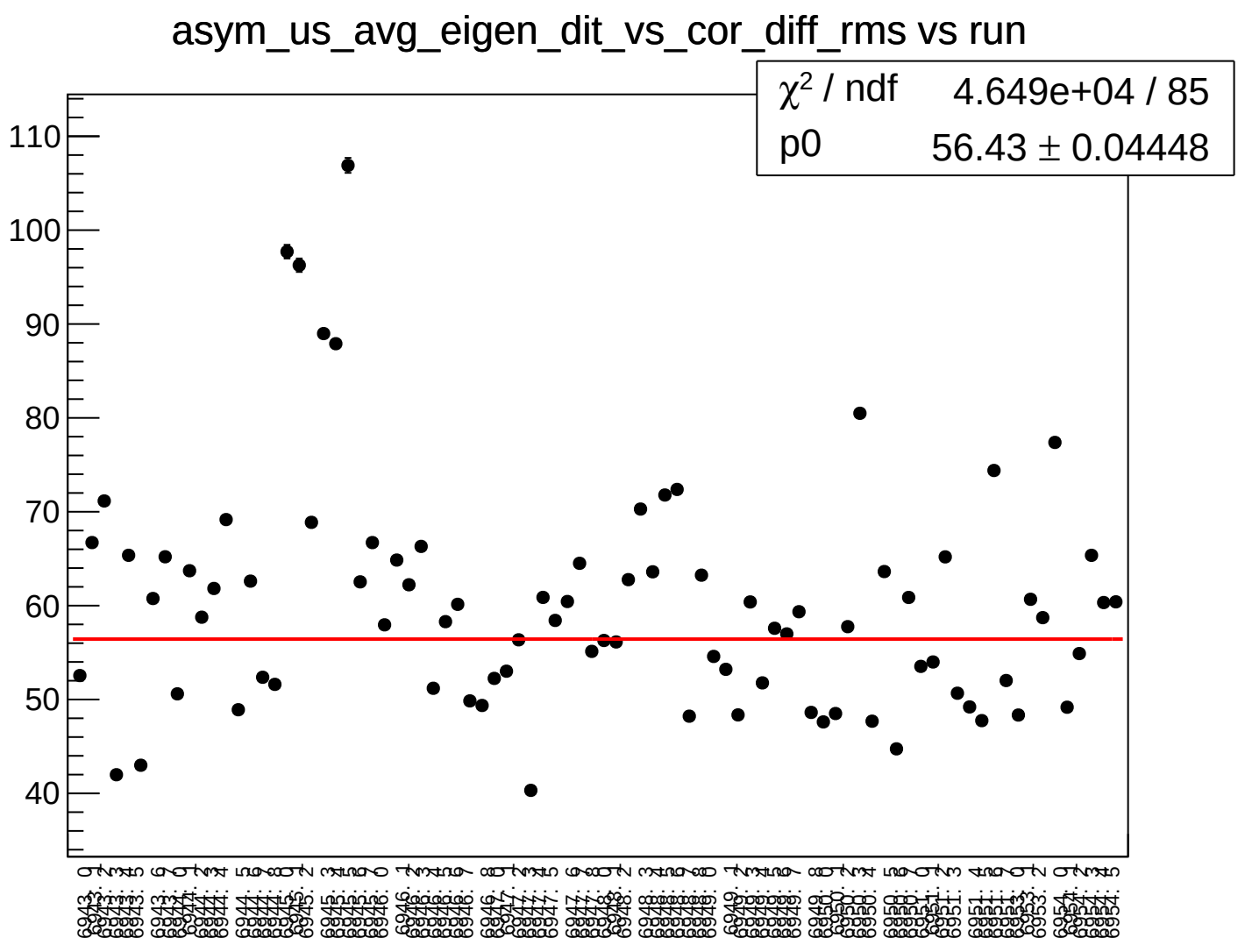

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.955e+04 / 85
p0 76.67 ± 0.06012
120
110
100
90
80
70
60
50

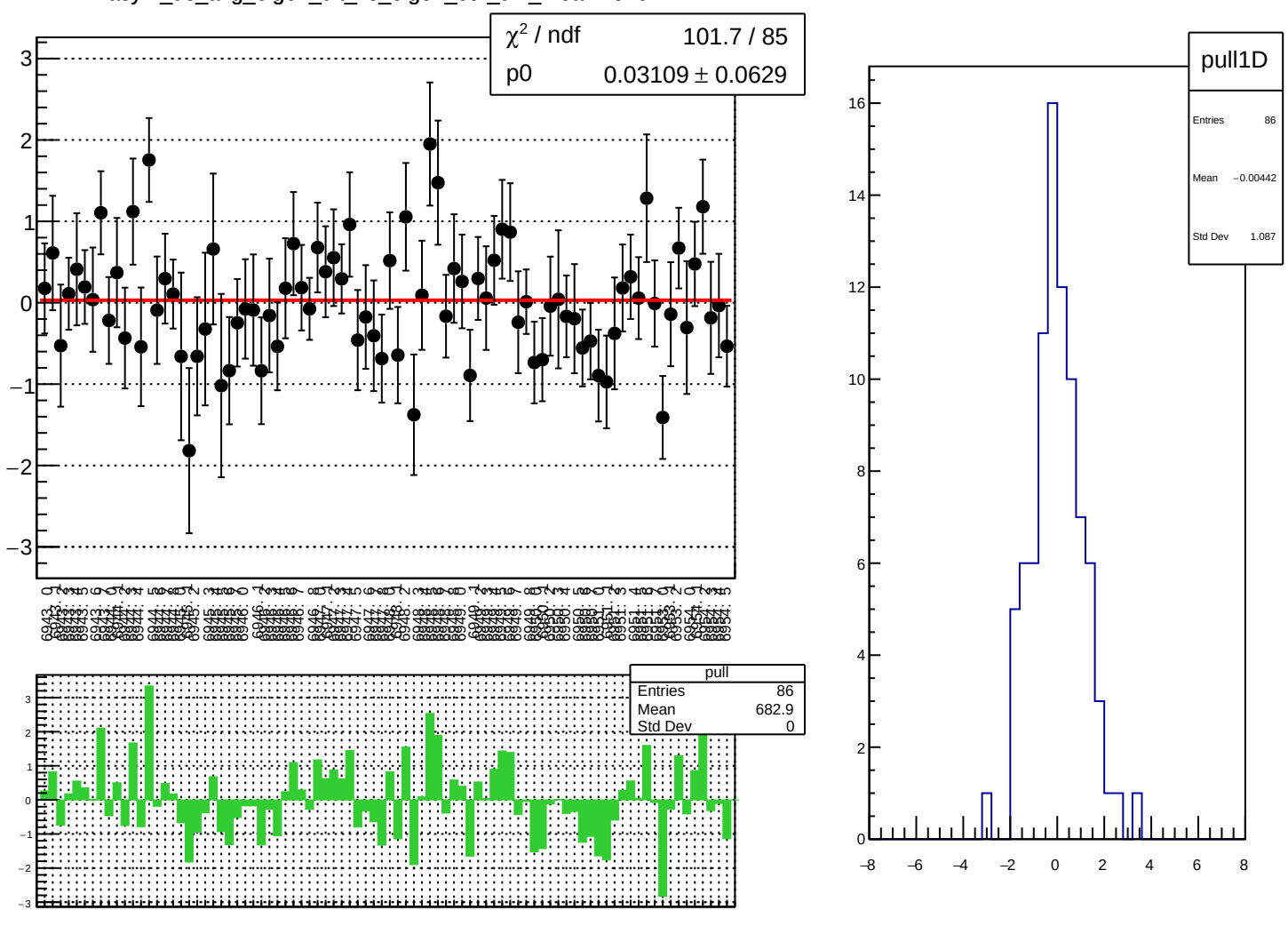

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 86.11 / 85
p0 −1.092e−05 ± 5.394e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 86
Mean 181.9
Std Dev 0
2
1
0
−1
−2

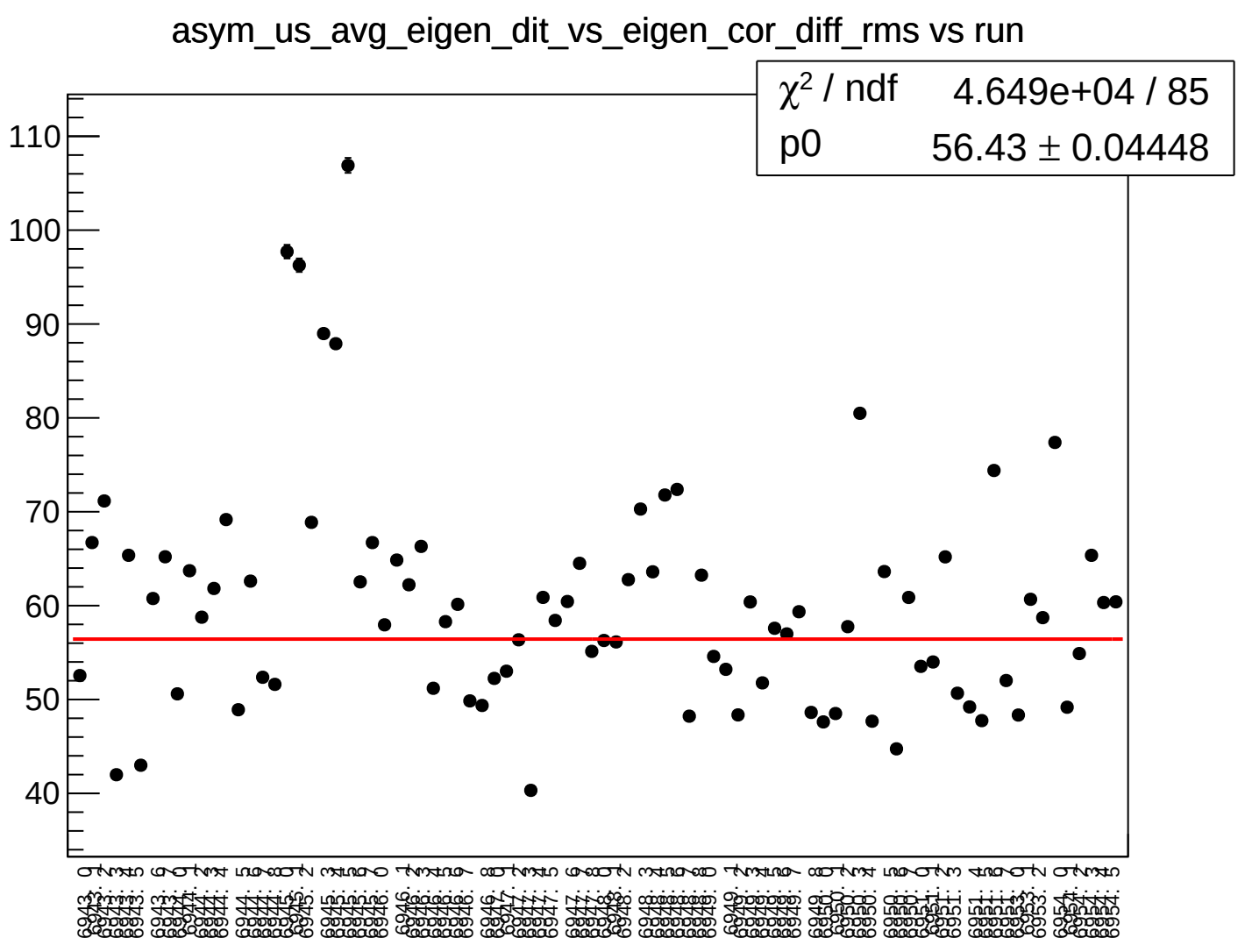

pull1D
Entries 86
Mean 0.0178
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

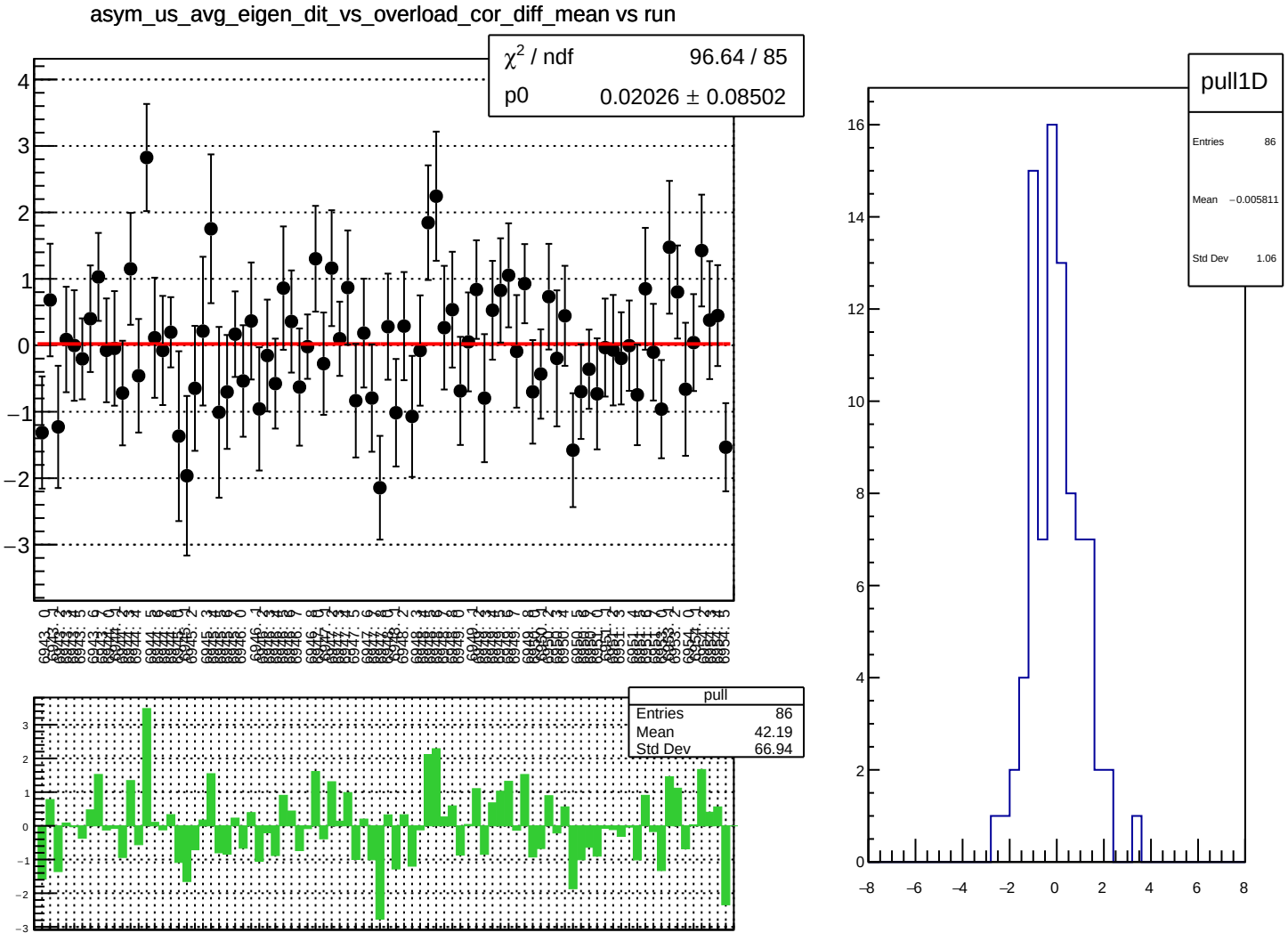

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7683 / 85
p0 0.004897 ± 3.814e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

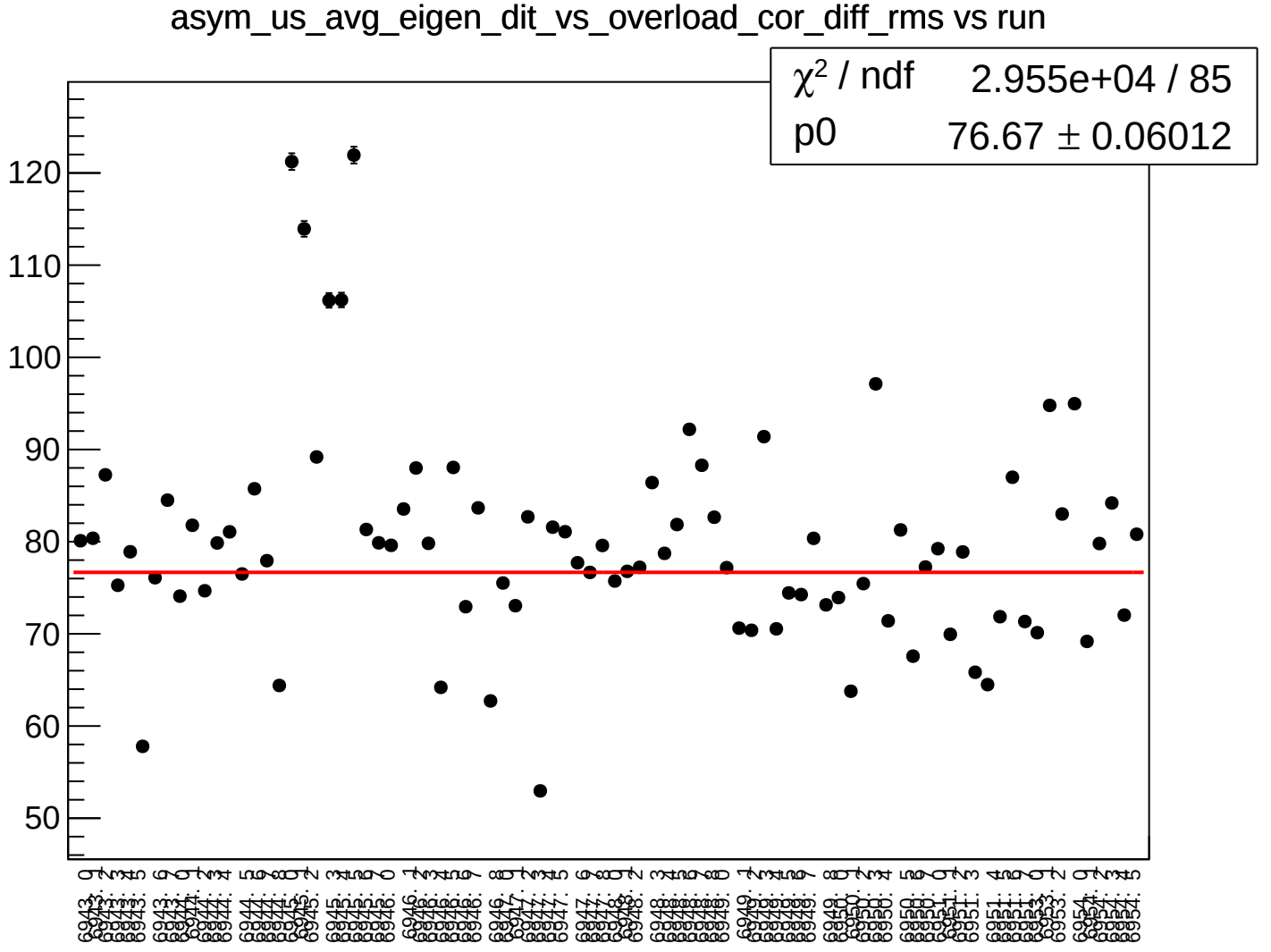

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101.7 / 85
p0 0.03109 ± 0.0629
pull
Entries 86
Mean 682.9
Std Dev 0
pull1D
Entries 86
Mean −0.00442
Std Dev 1.087


asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.649e+04 / 85
p0 56.43 ± 0.04448
110
100
90
80
70
60
50
40

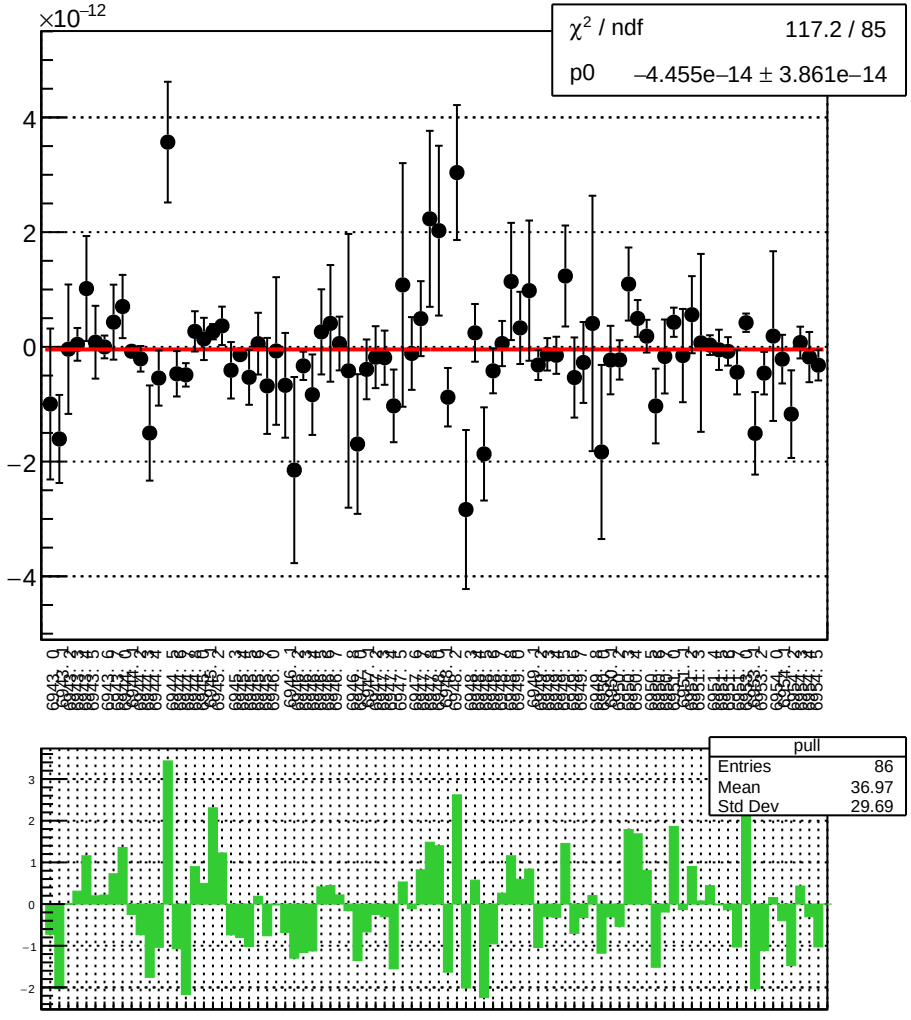

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.7 / 85
p0 0.03109 ± 0.0629
pull
Entries 86
Mean 682.9
Std Dev 0
pull1D
Entries 86
Mean −0.00442
Std Dev 1.087

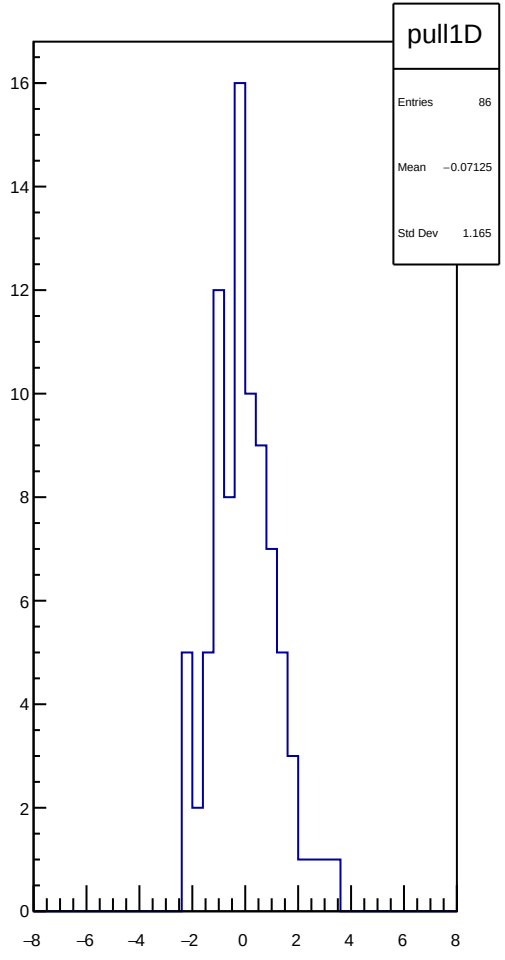

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.649e+04 / 85
p0 56.43 ± 0.04448
110
100
90
80
70
60
50
40

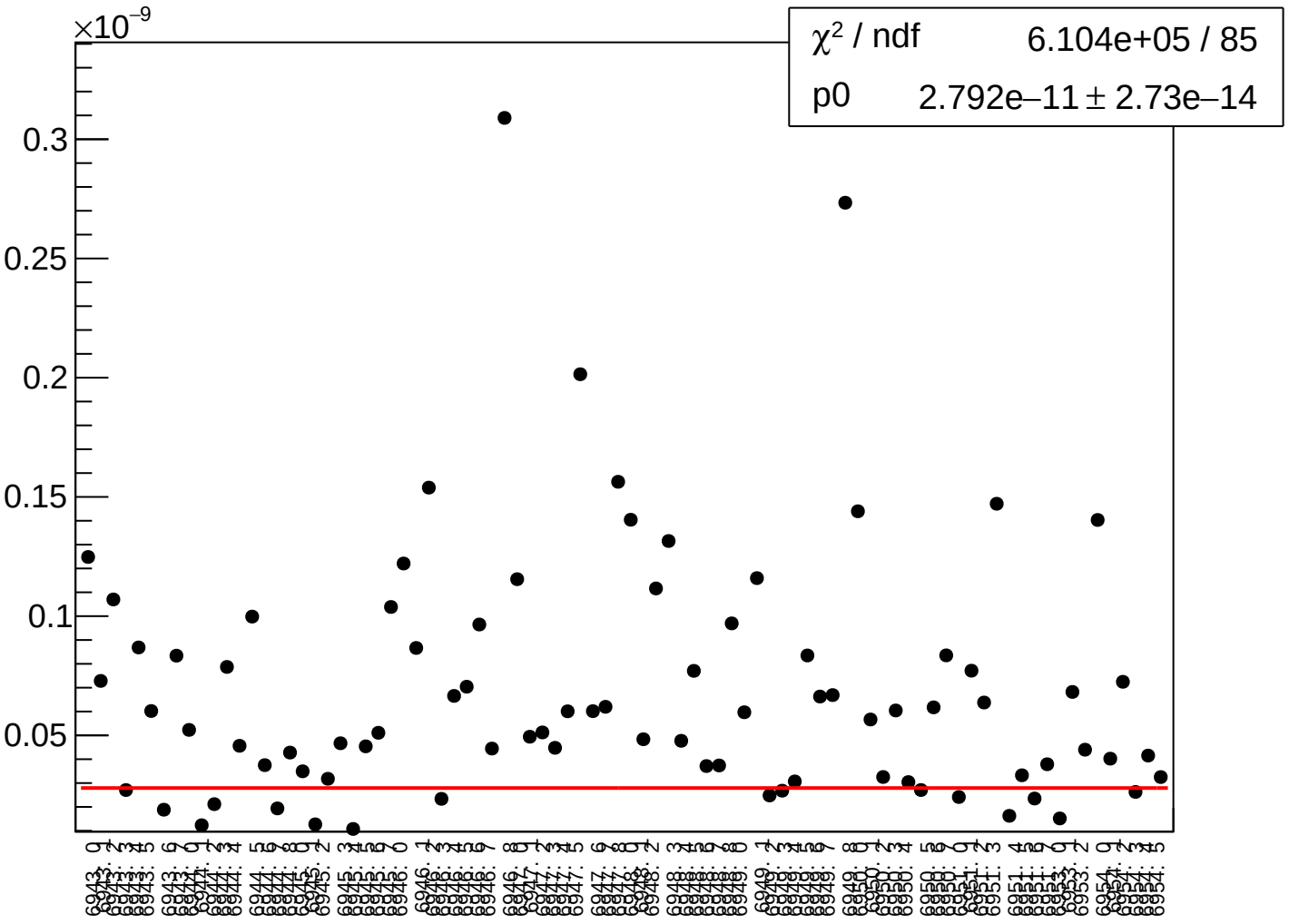

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 96.64 / 85
p0 0.02026 ± 0.08502
pull
Entries 86
Mean 42.19
Std Dev 66.94
pull1D
Entries 86
Mean −0.005811
Std Dev 1.06

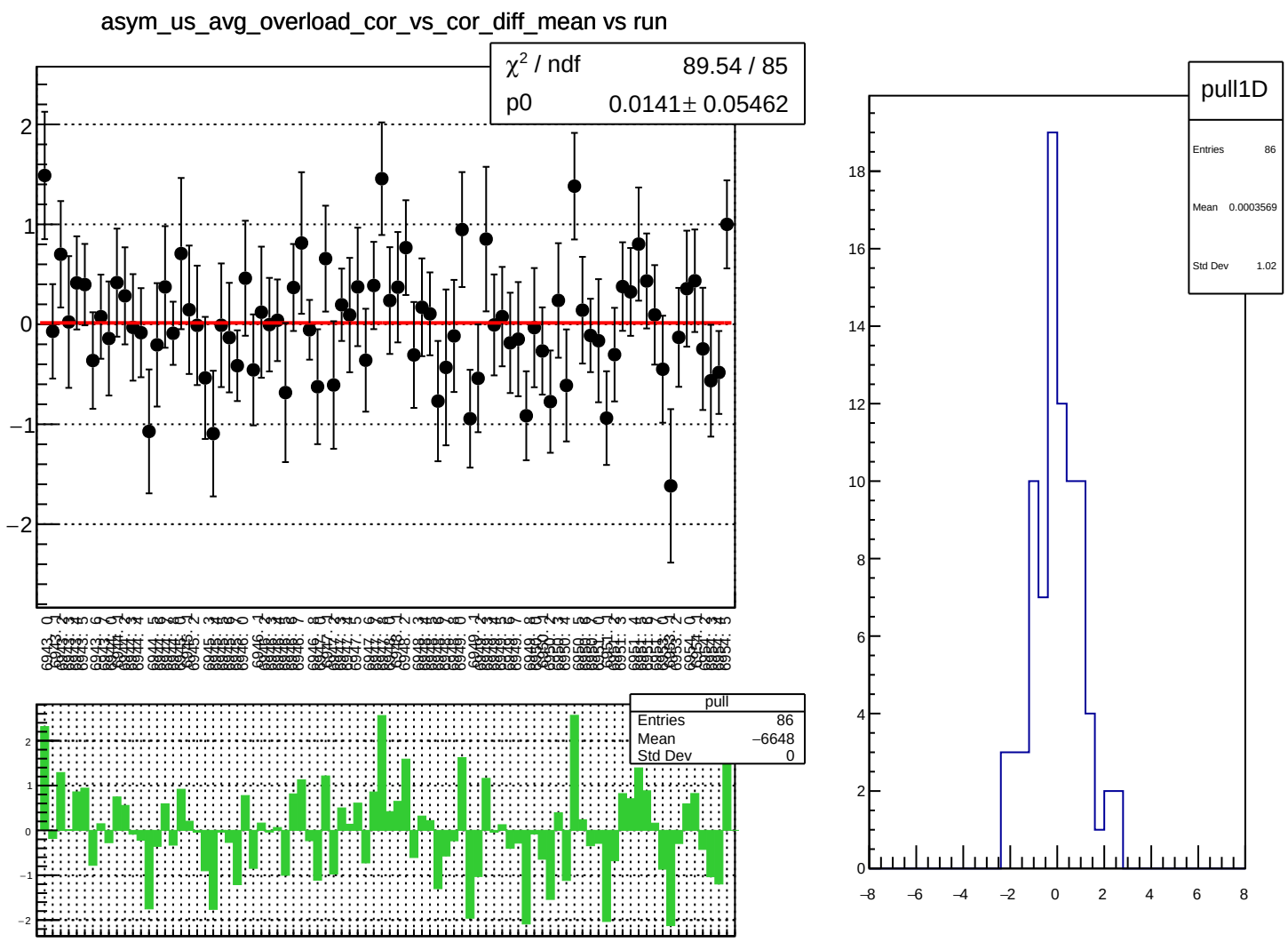

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.955e+04 / 85
p0 76.67 ± 0.06012
120
110
100
90
80
70
60
50

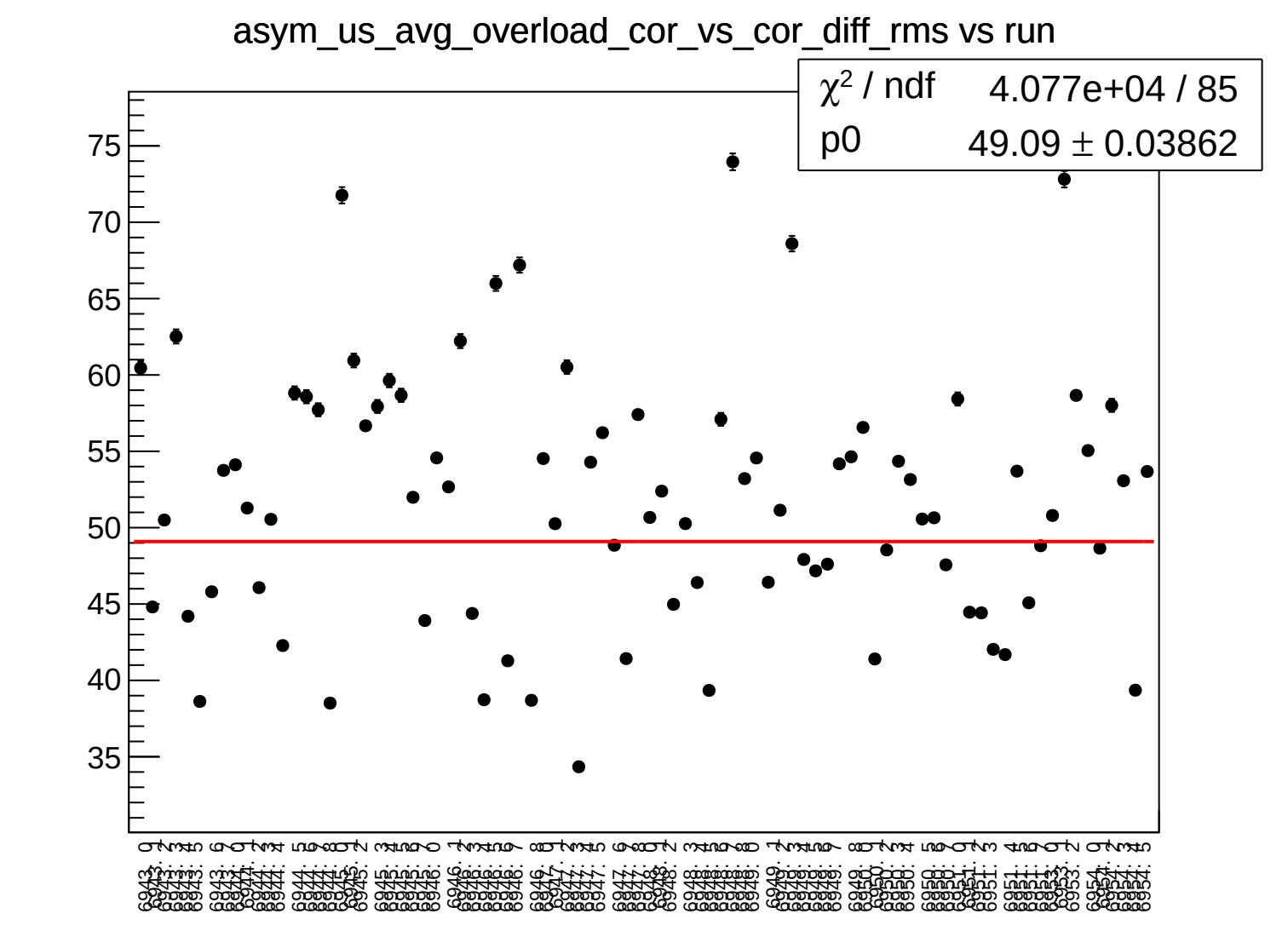
asym_us_avg_eigen_cor_vs_cor_diff_mean vs run

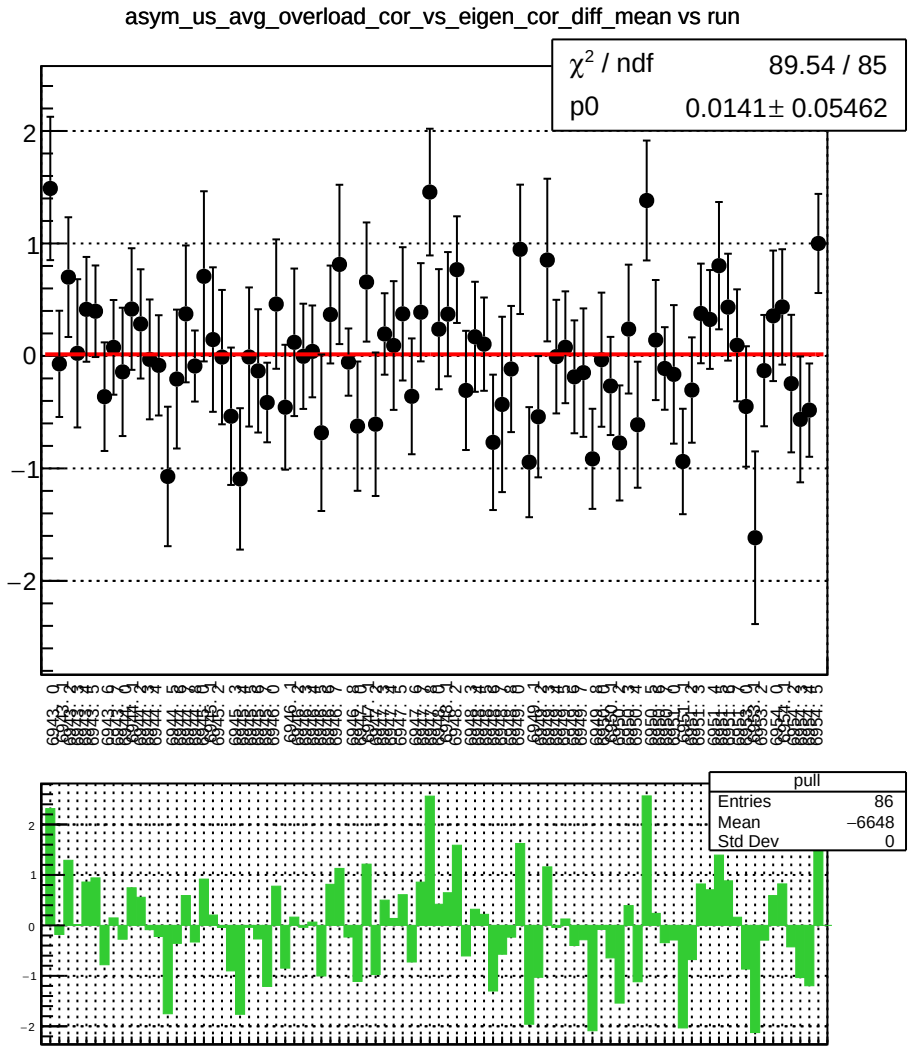


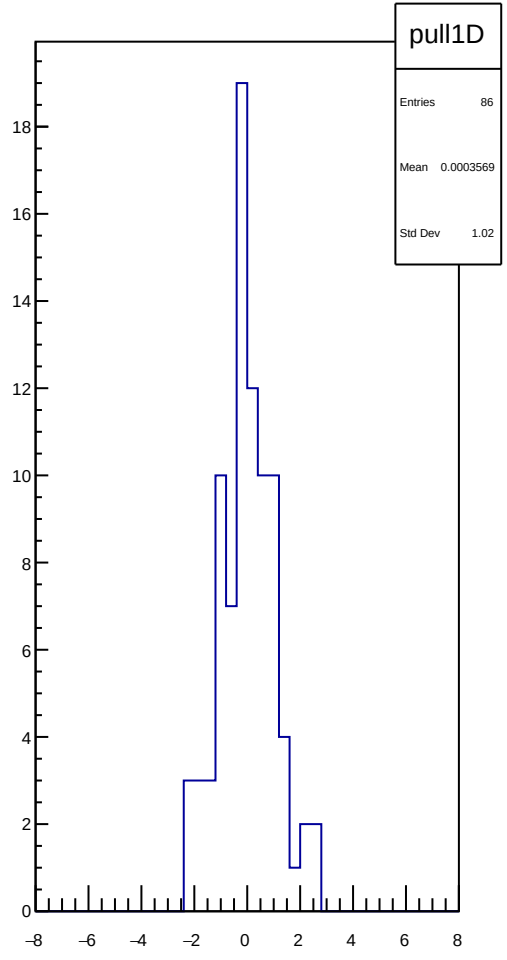


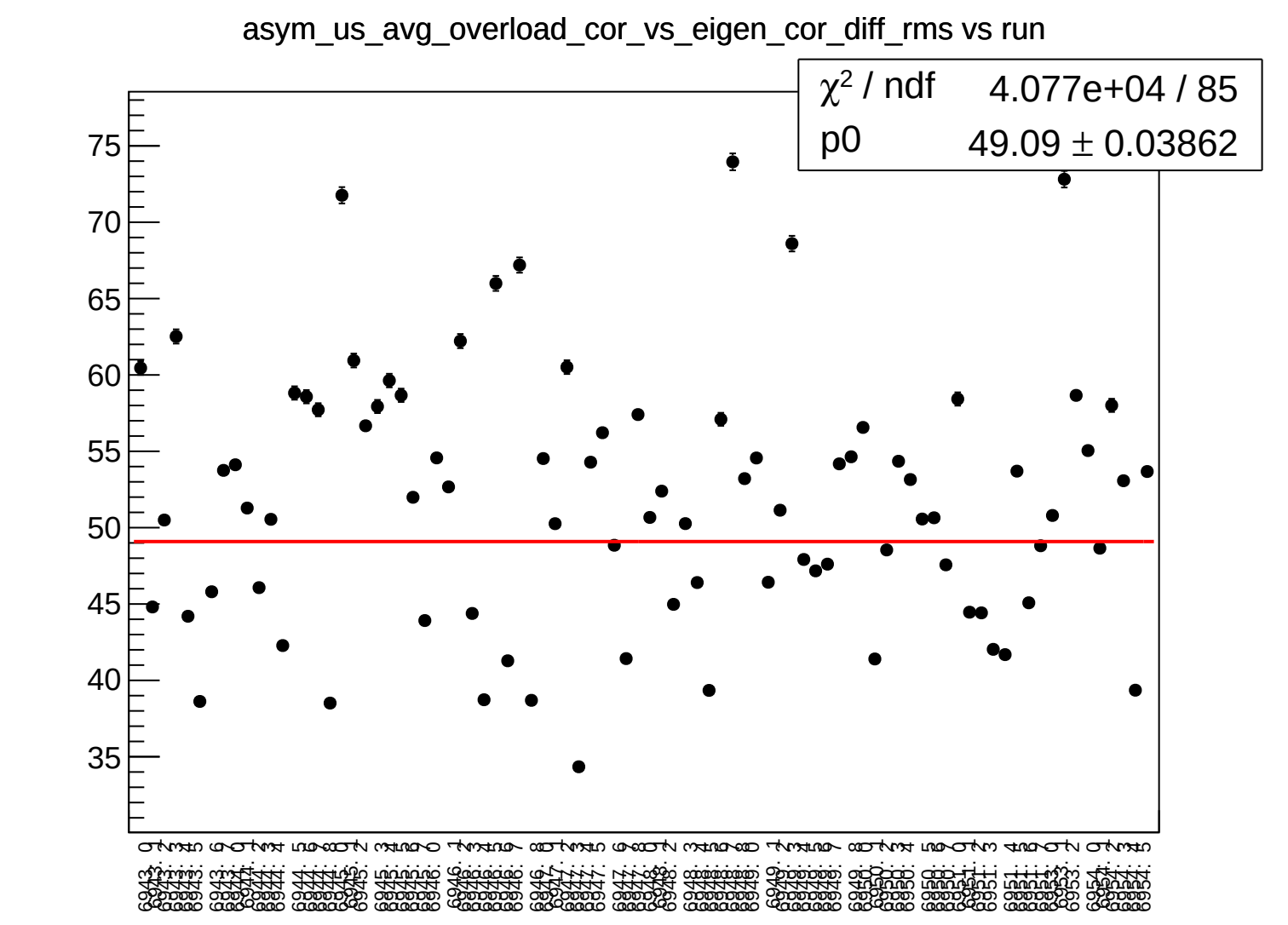

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.104e+05 / 85
p0 2.792e−11 ± 2.73e−14
0.3
0.25
0.2
0.15
0.1
0.05

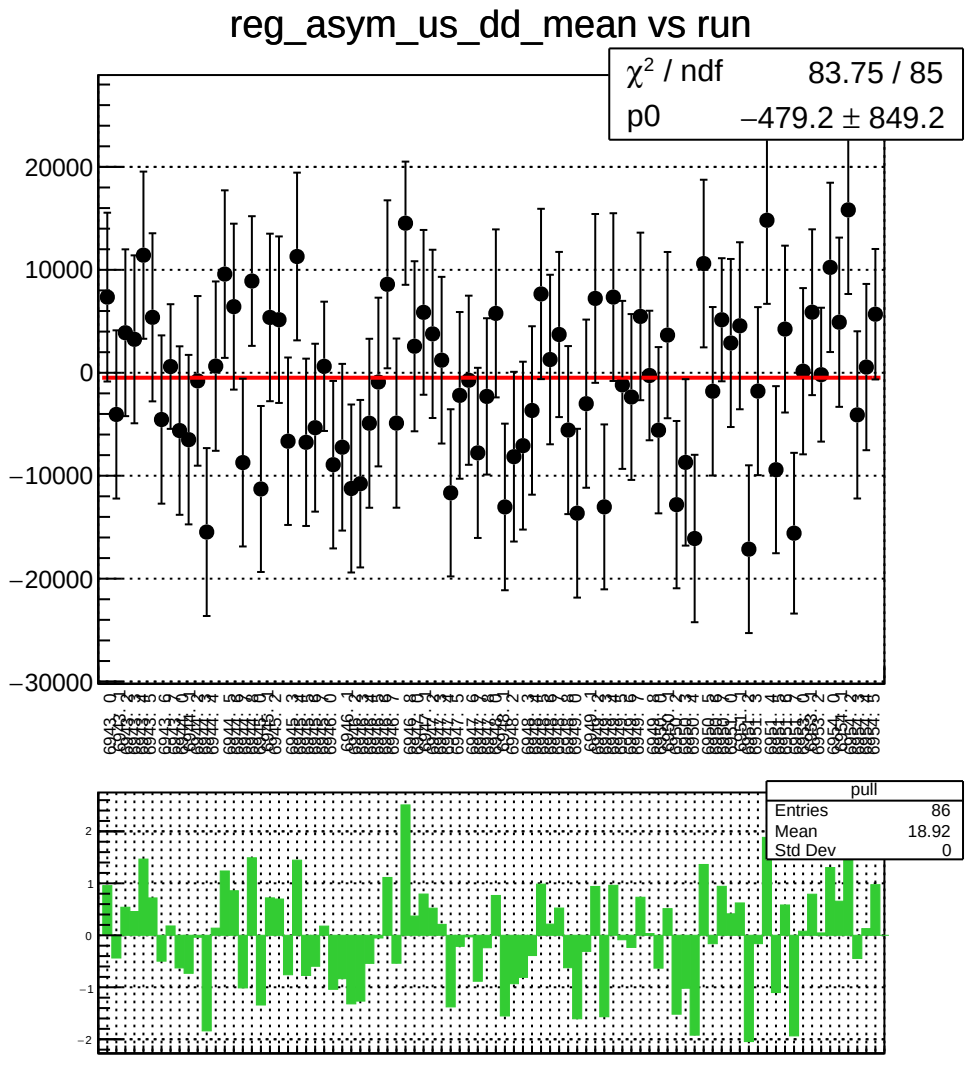

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 89.54 / 85
p0 0.0141± 0.05462
pull
Entries 86
Mean −6648
Std Dev 0
pull1D
Entries 86
Mean 0.0003569
Std Dev 1.02

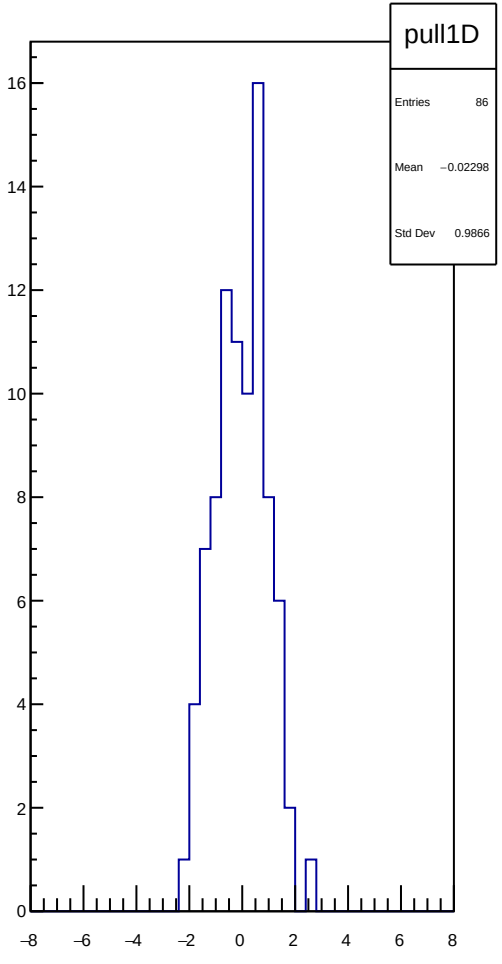

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.077e+04 / 85
p0 49.09 ± 0.03862
75
70
65
60
55
50
45
40
35

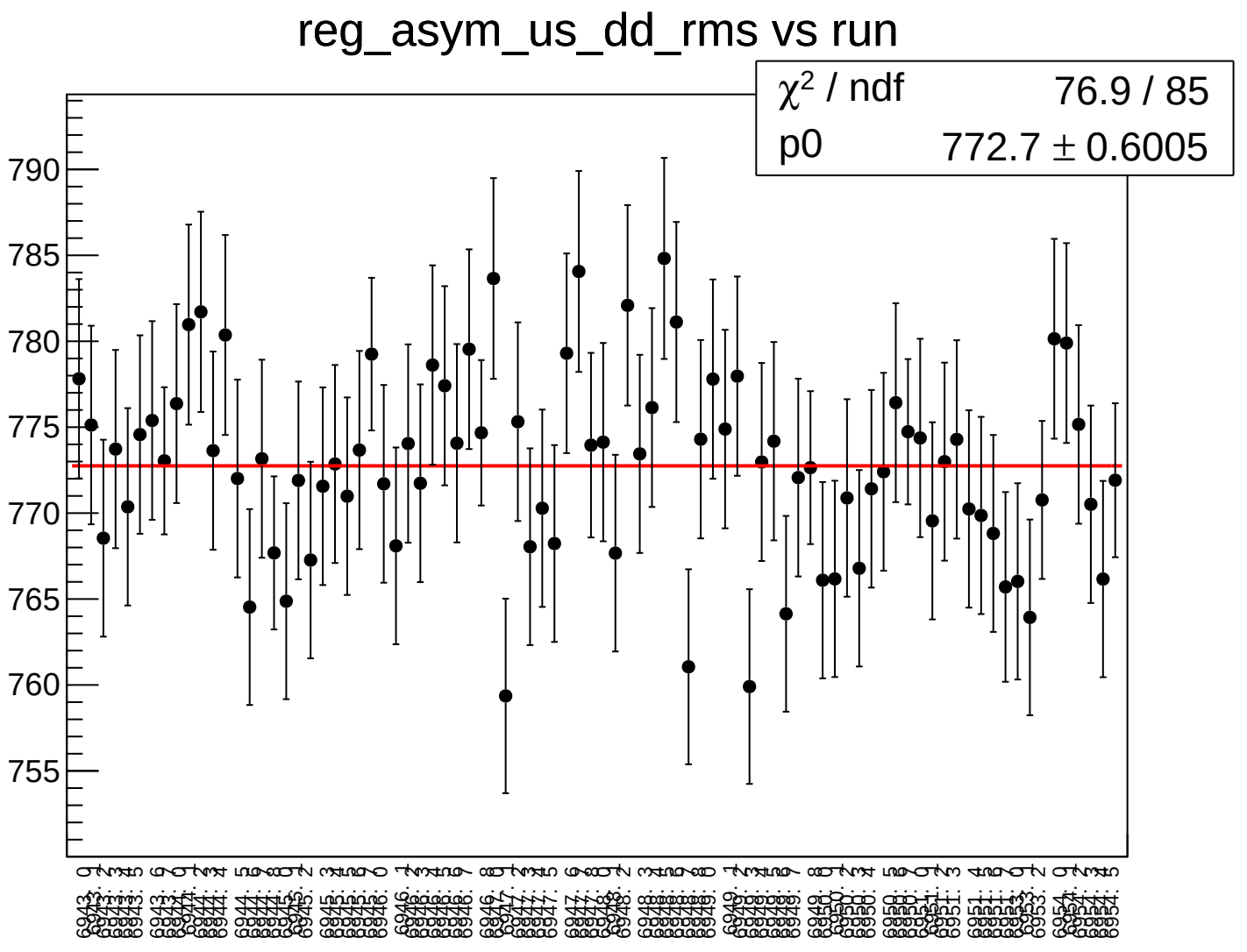

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.54 / 85
p0 0.0141± 0.05462
pull
Entries 86
Mean −6648
Std Dev 0

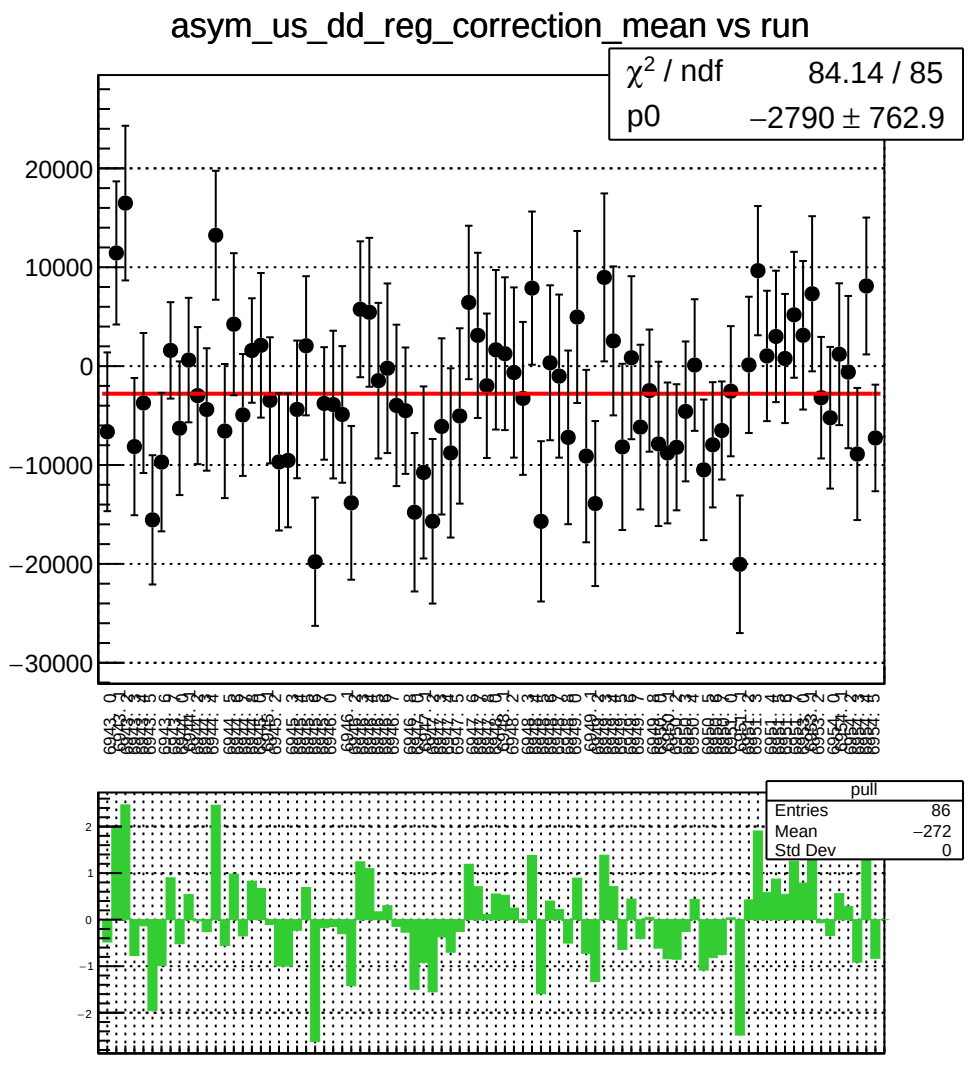

pull1D
Entries 86
Mean 0.0003569
Std Dev 1.02

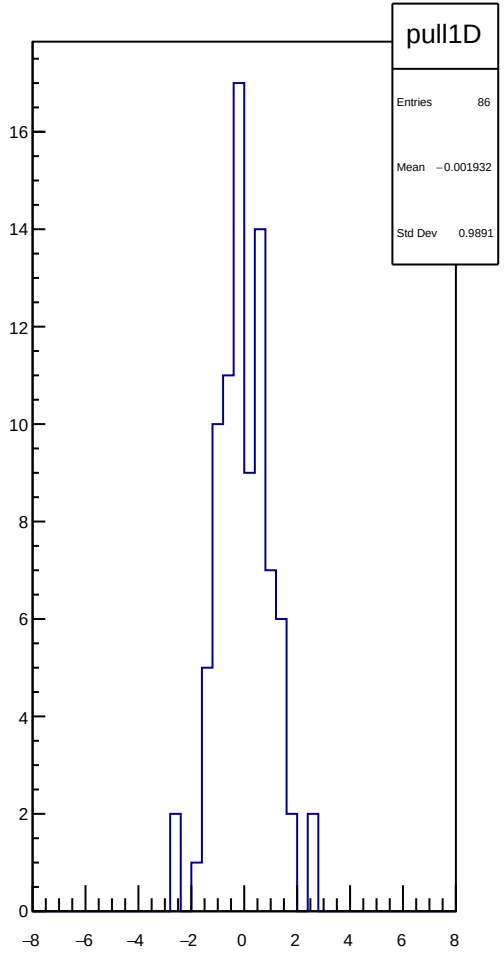

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.077e+04 / 85
p0 49.09 ± 0.03862
75
70
65
60
55
50
45
40
35

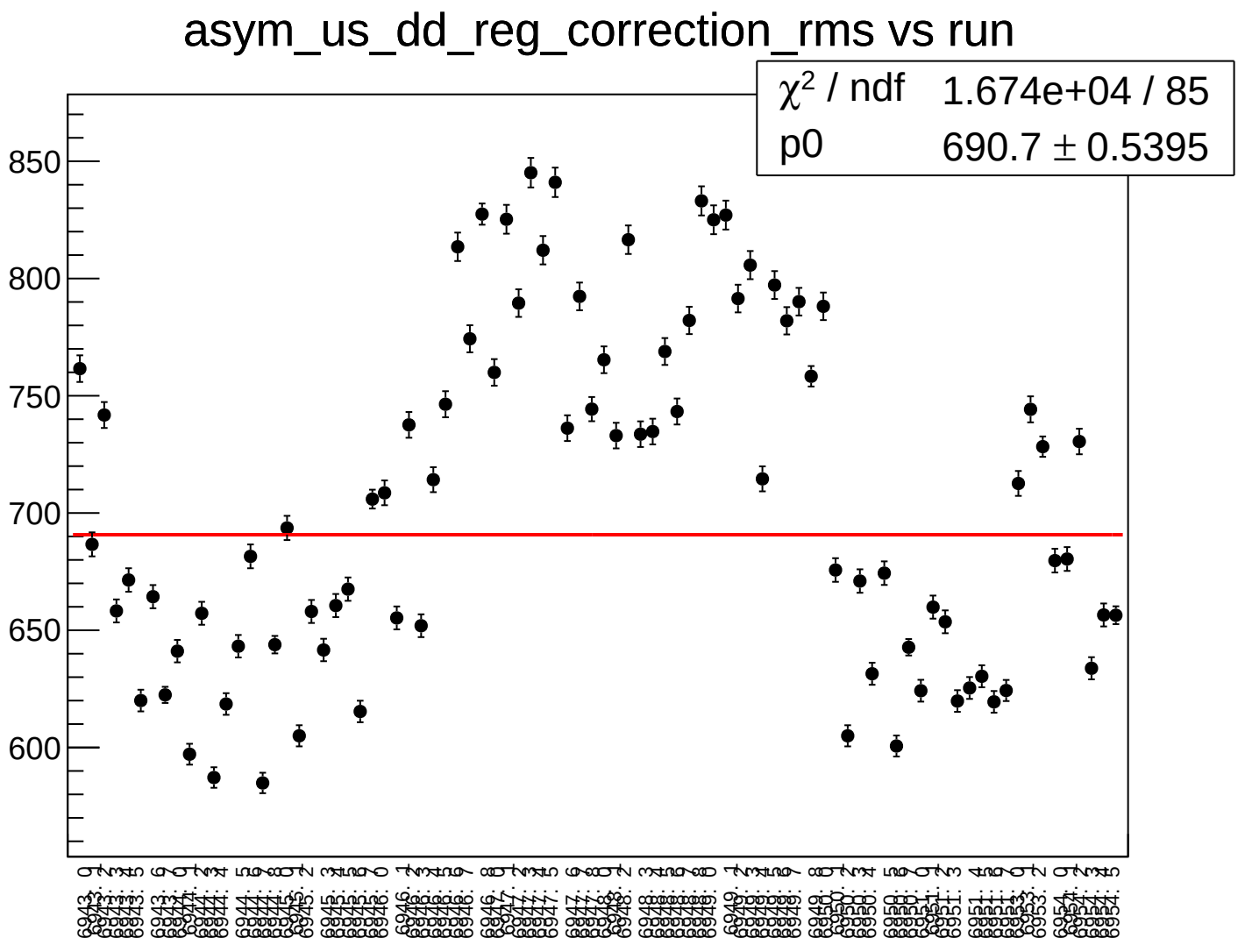

reg_asym_us_dd_mean vs run
χ² / ndf 83.75 / 85
p0 −479.2 ± 849.2
pull
Entries 86
Mean 18.92
Std Dev 0

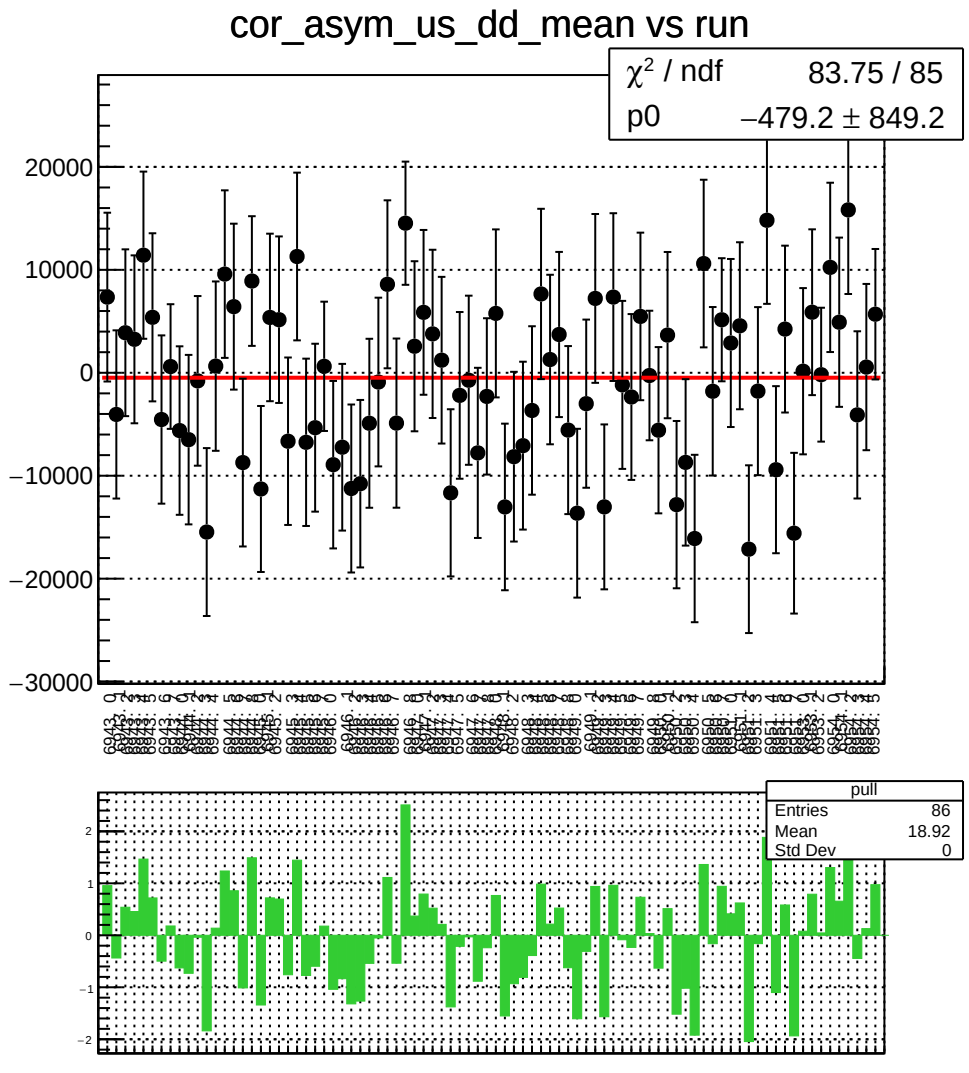

pull1D
Entries 86
Mean −0.02298
Std Dev 0.9866

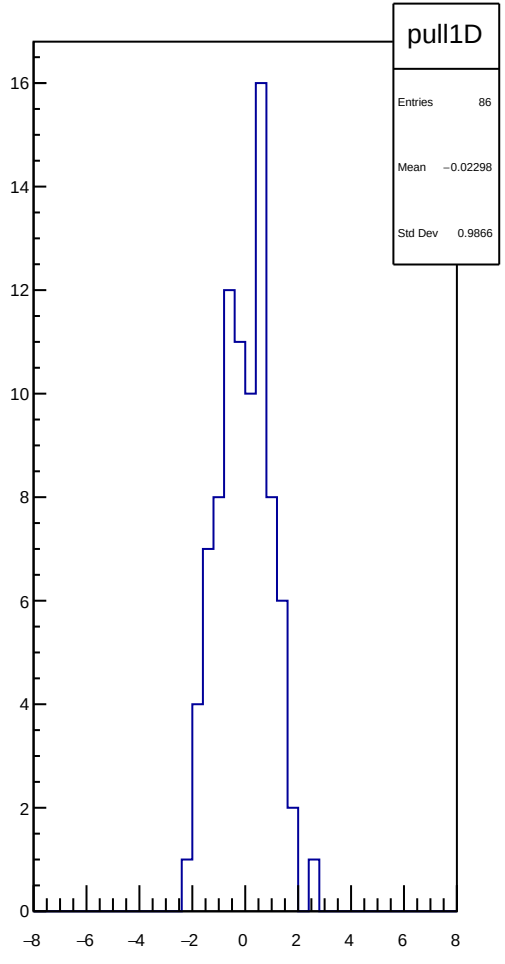

reg_asym_us_dd_rms vs run
χ² / ndf 76.9 / 85
p0 772.7 ± 0.6005
790
785
780
775
770
765
760
755

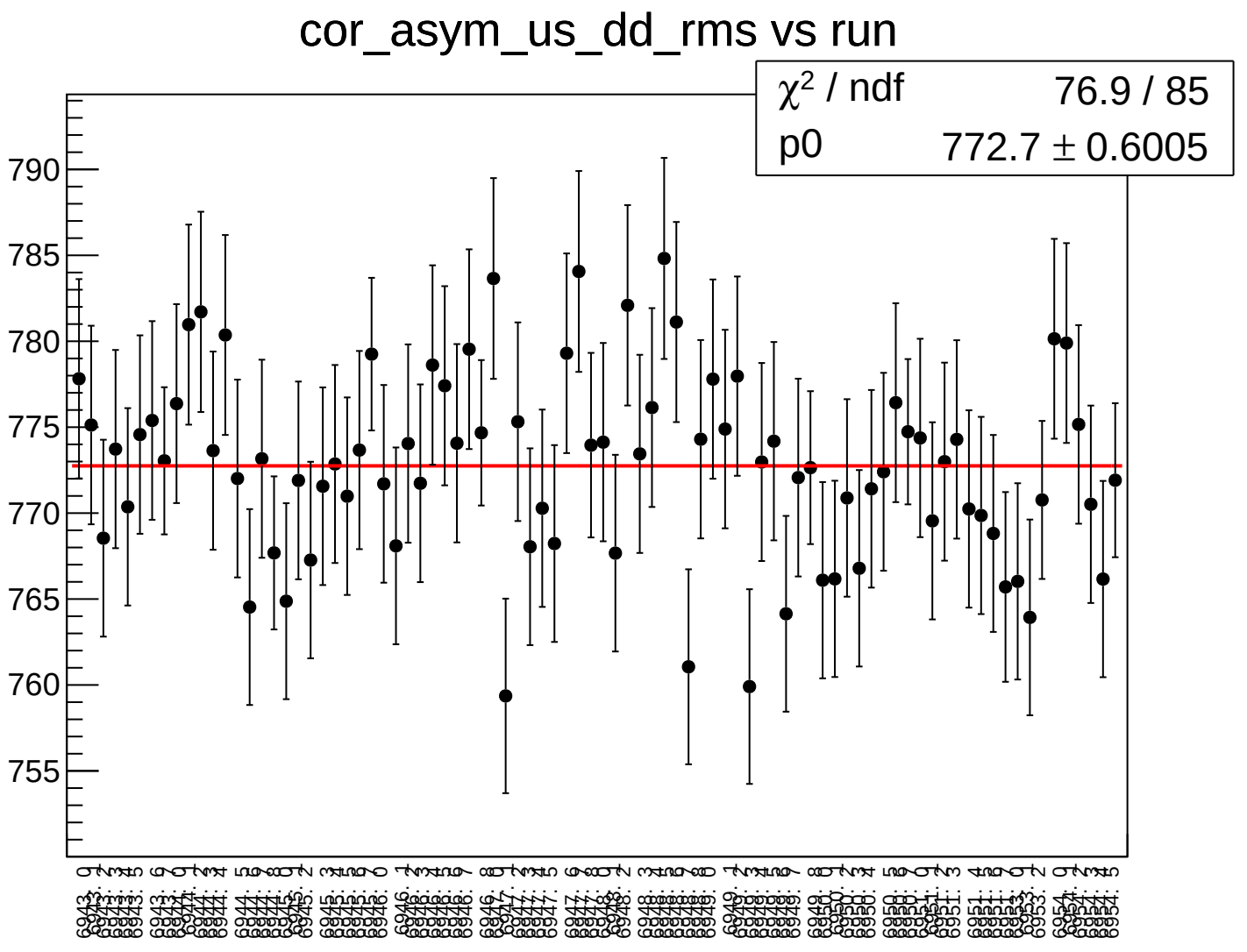

asym_us_dd_reg_correction_mean vs run
χ² / ndf 84.14 / 85
p0 −2790 ± 762.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −272
Std Dev 0
2
1
0
−1
−2

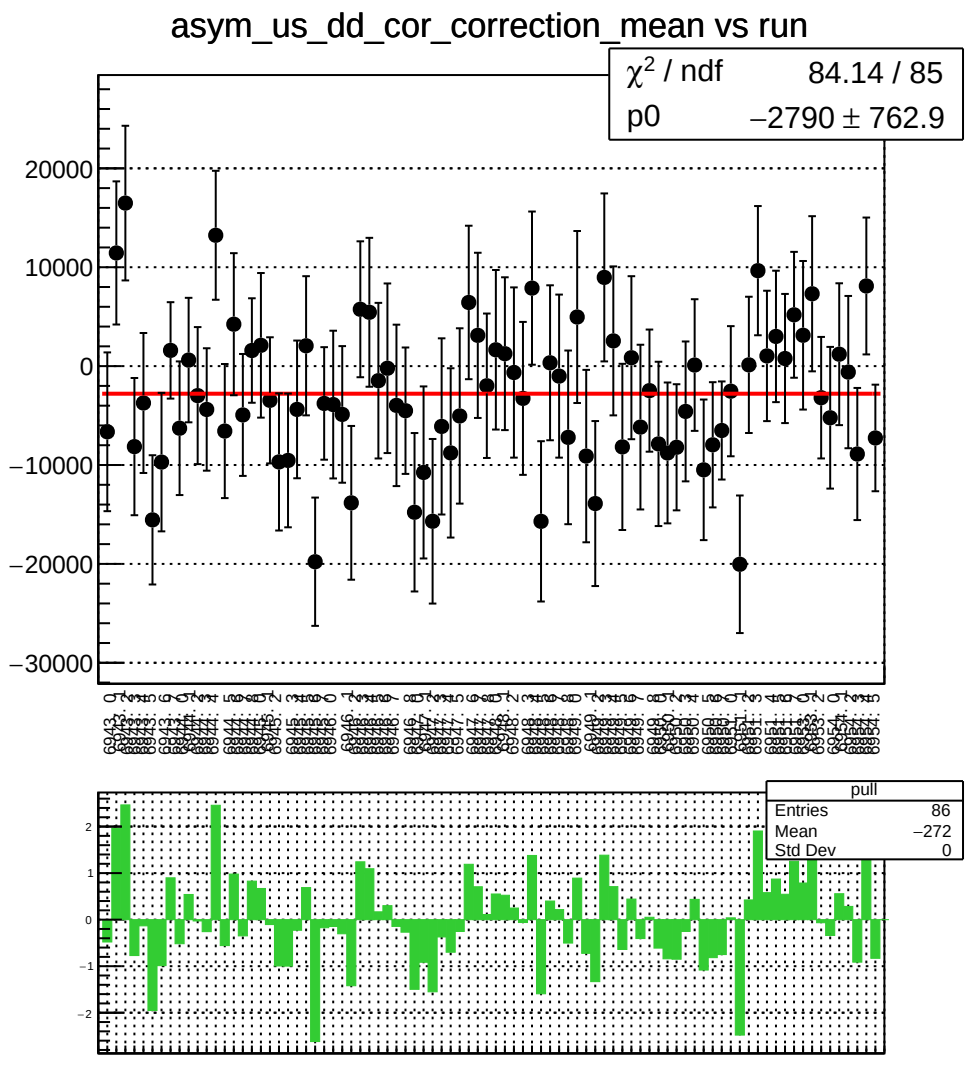

pull1D
Entries 86
Mean −0.001932
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

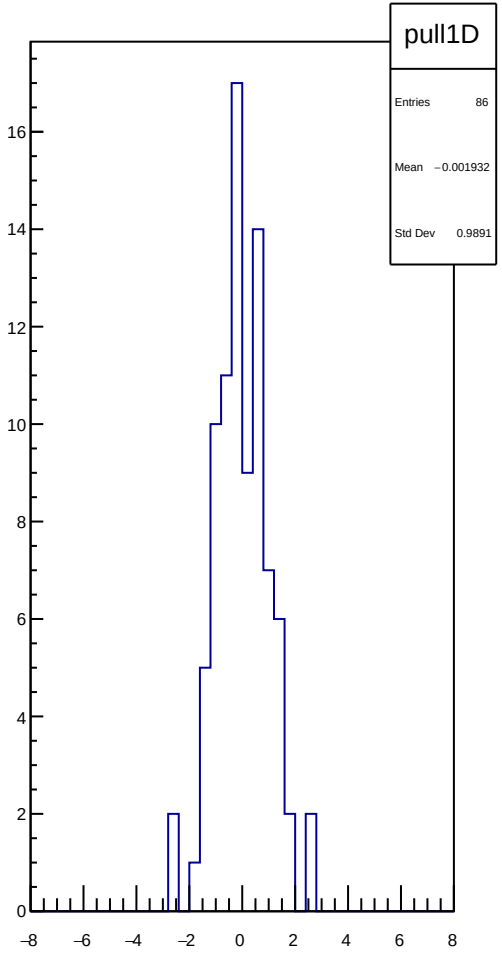

asym_us_dd_reg_correction_rms vs run
χ² / ndf 1.674e+04 / 85
p0 690.7 ± 0.5395
850
800
750
700
650
600

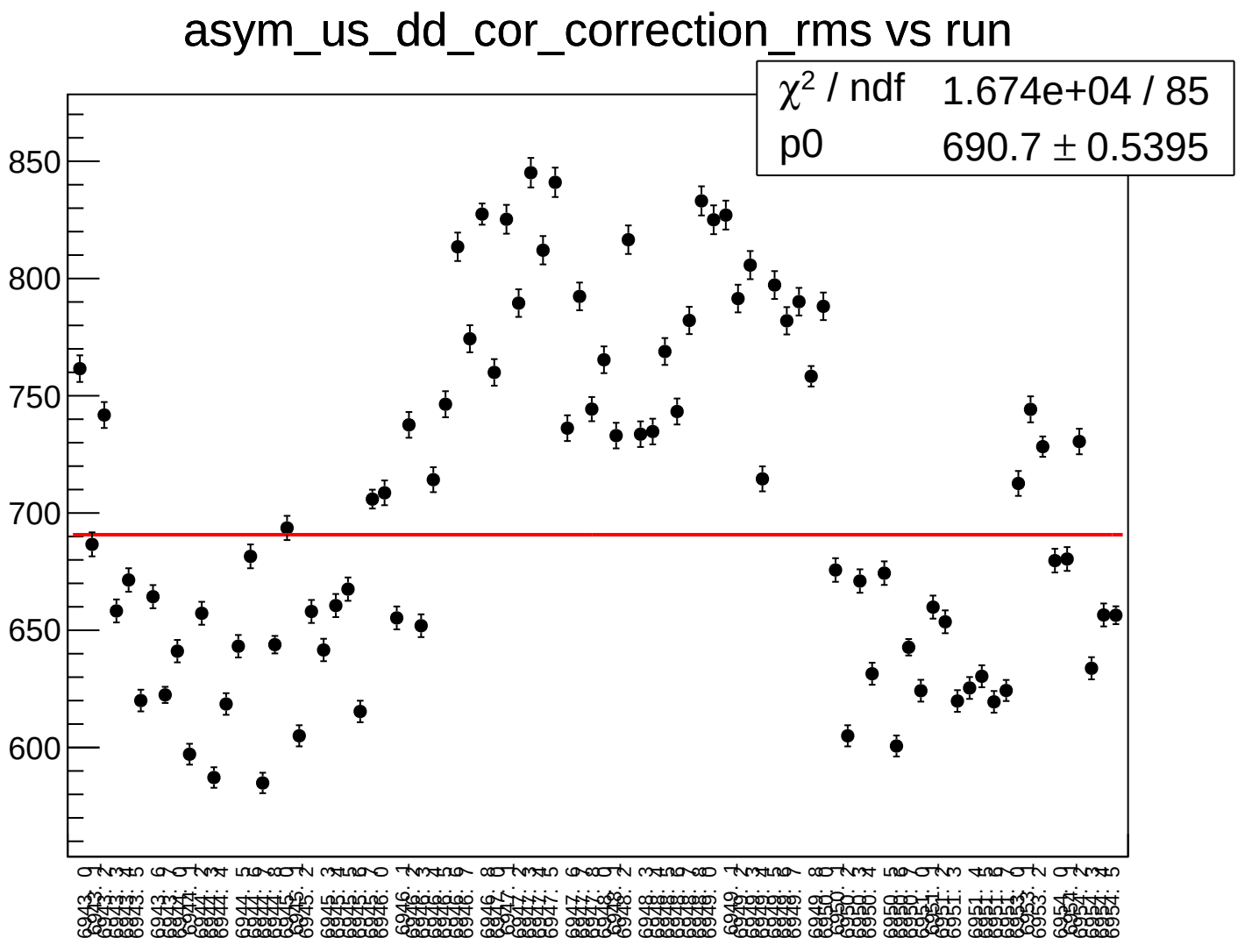

cor_asym_us_dd_mean vs run
χ² / ndf 83.75 / 85
p0 −479.2 ± 849.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 18.92
Std Dev 0
2
1
0
−1
−2

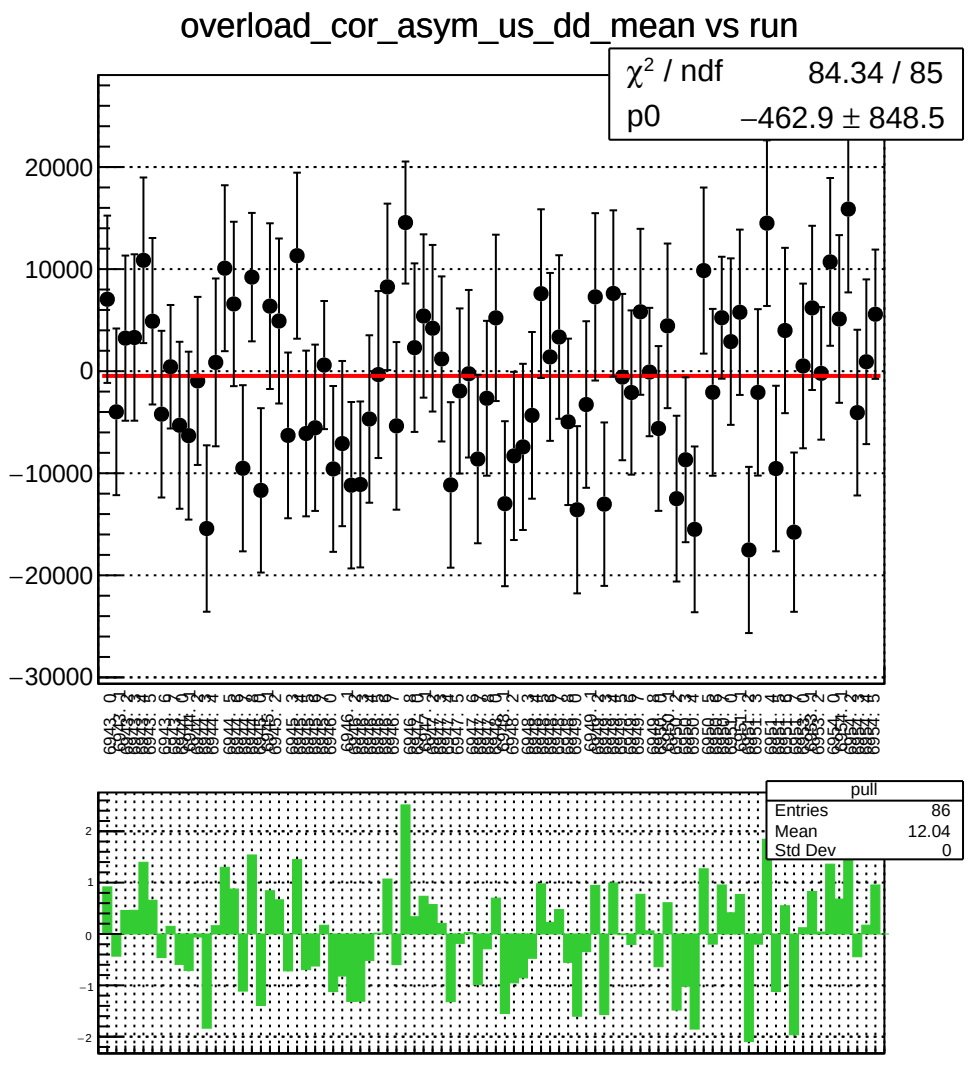

pull1D
Entries 86
Mean −0.02298
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

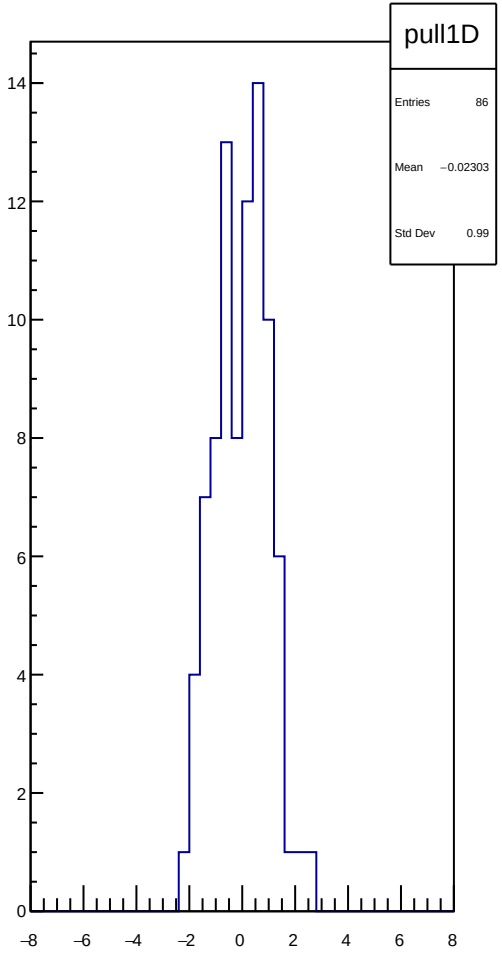

cor_asym_us_dd_rms vs run
χ² / ndf 76.9 / 85
p0 772.7 ± 0.6005
790
785
780
775
770
765
760
755

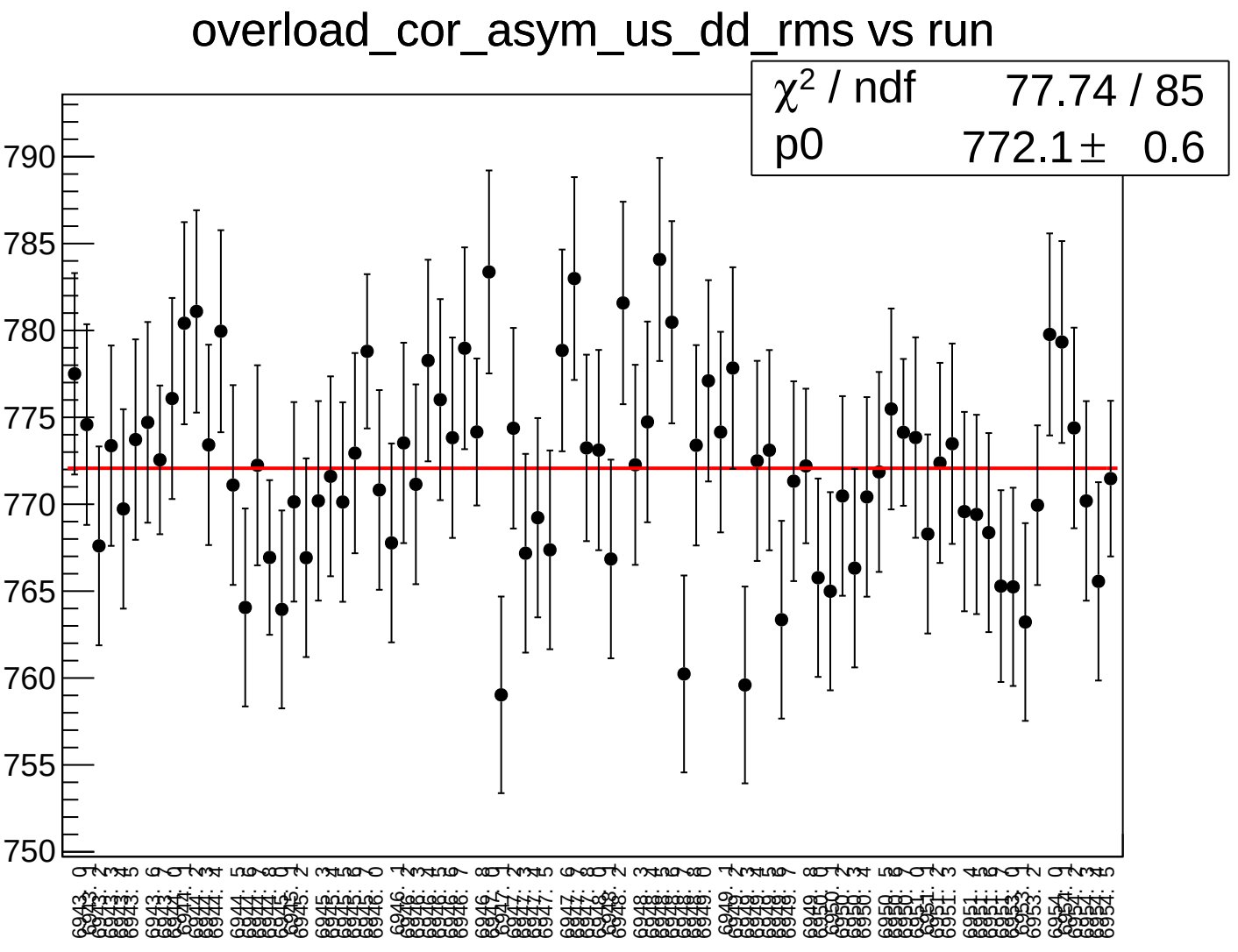

asym_us_dd_cor_correction_mean vs run
χ² / ndf 84.14 / 85
p0 −2790 ± 762.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −272
Std Dev 0
2
1
0
−1
−2

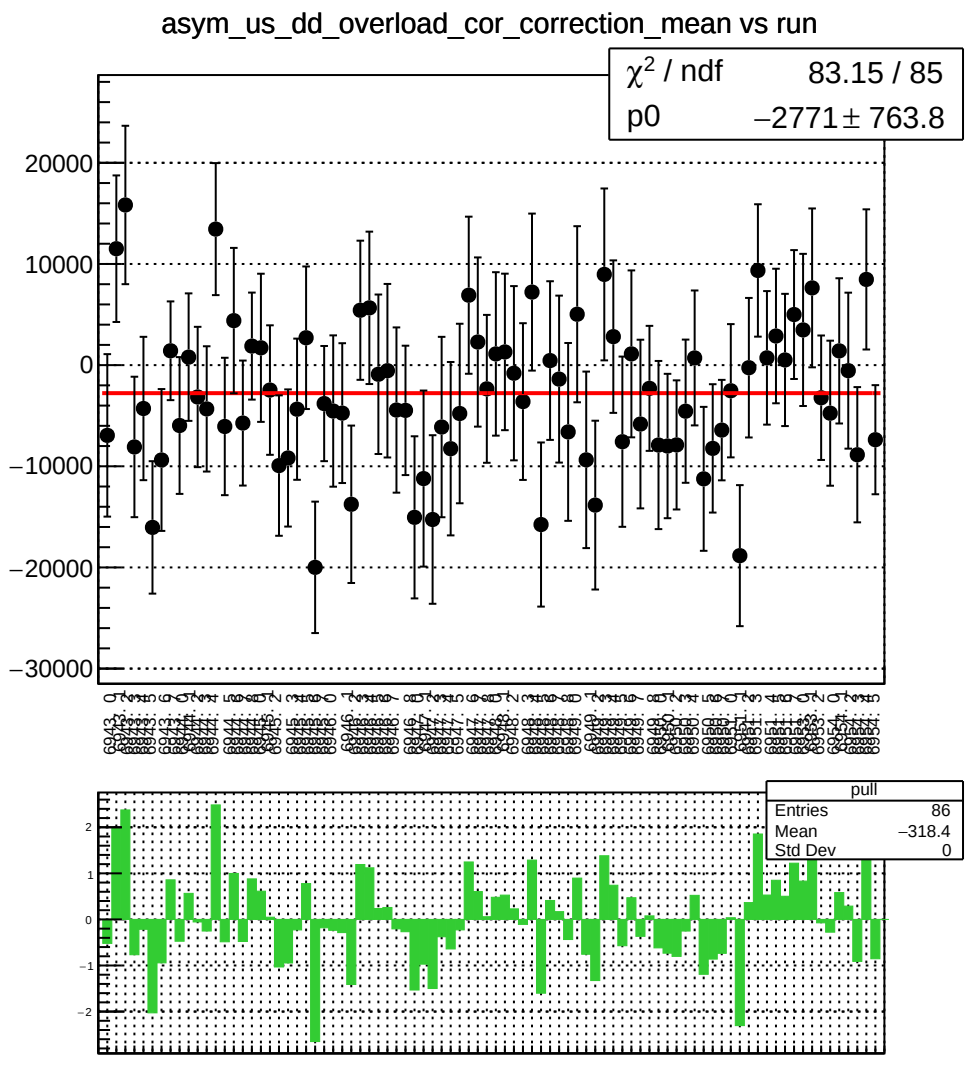

pull1D
Entries 86
Mean −0.001932
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

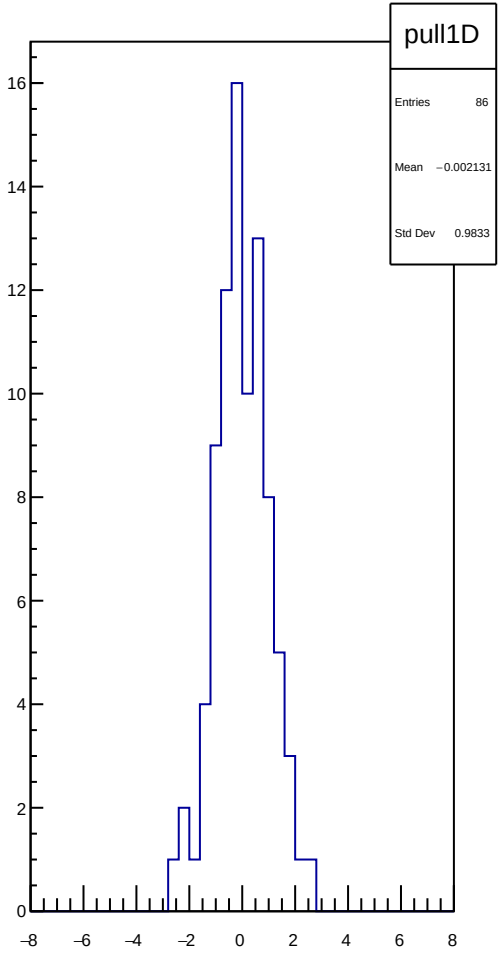

asym_us_dd_cor_correction_rms vs run
χ² / ndf 1.674e+04 / 85
p0 690.7 ± 0.5395
850
800
750
700
650
600

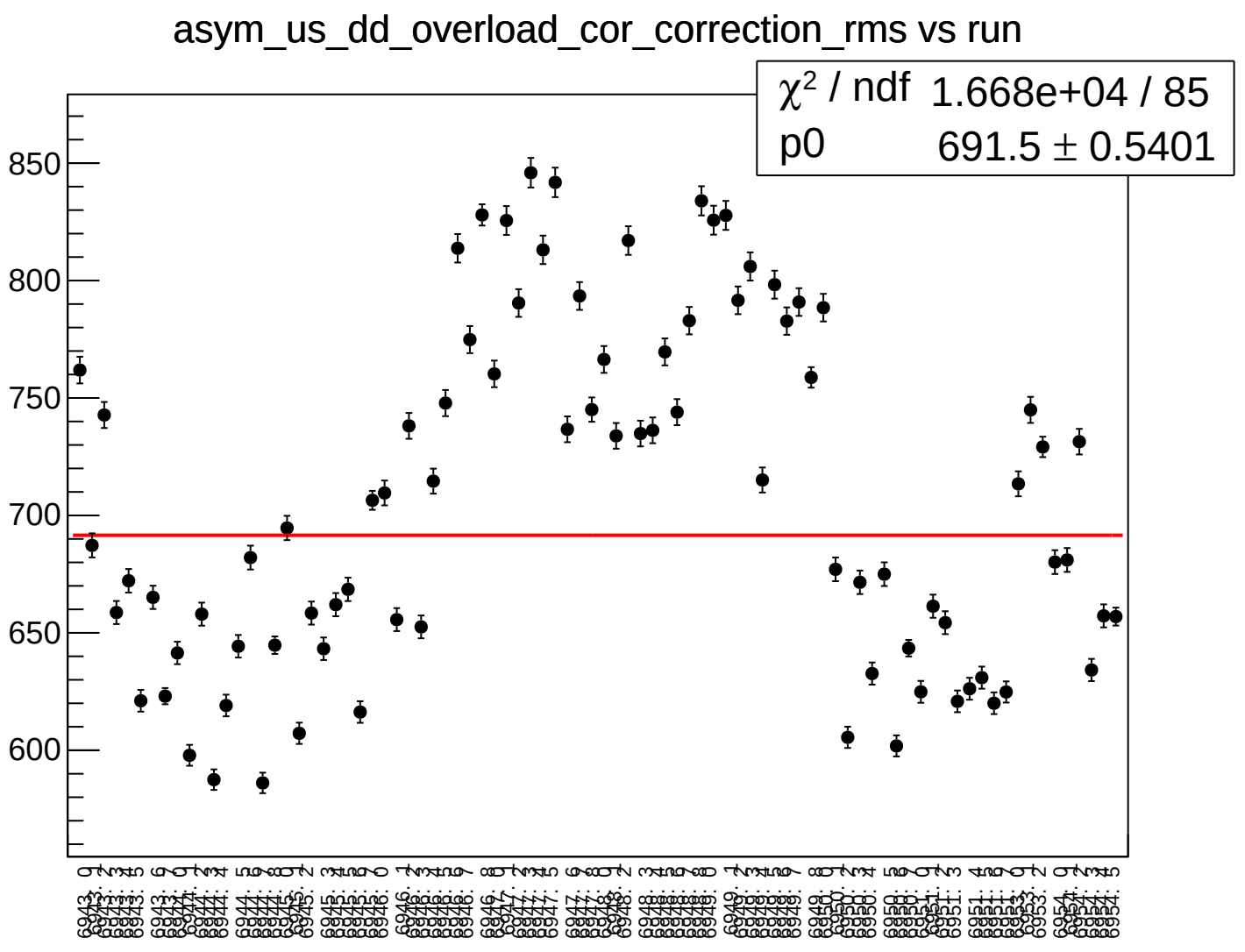

overload_cor_asym_us_dd_mean vs run
χ² / ndf 84.34 / 85
p0 −462.9 ± 848.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 12.04
Std Dev 0
2
1
0
−1
−2

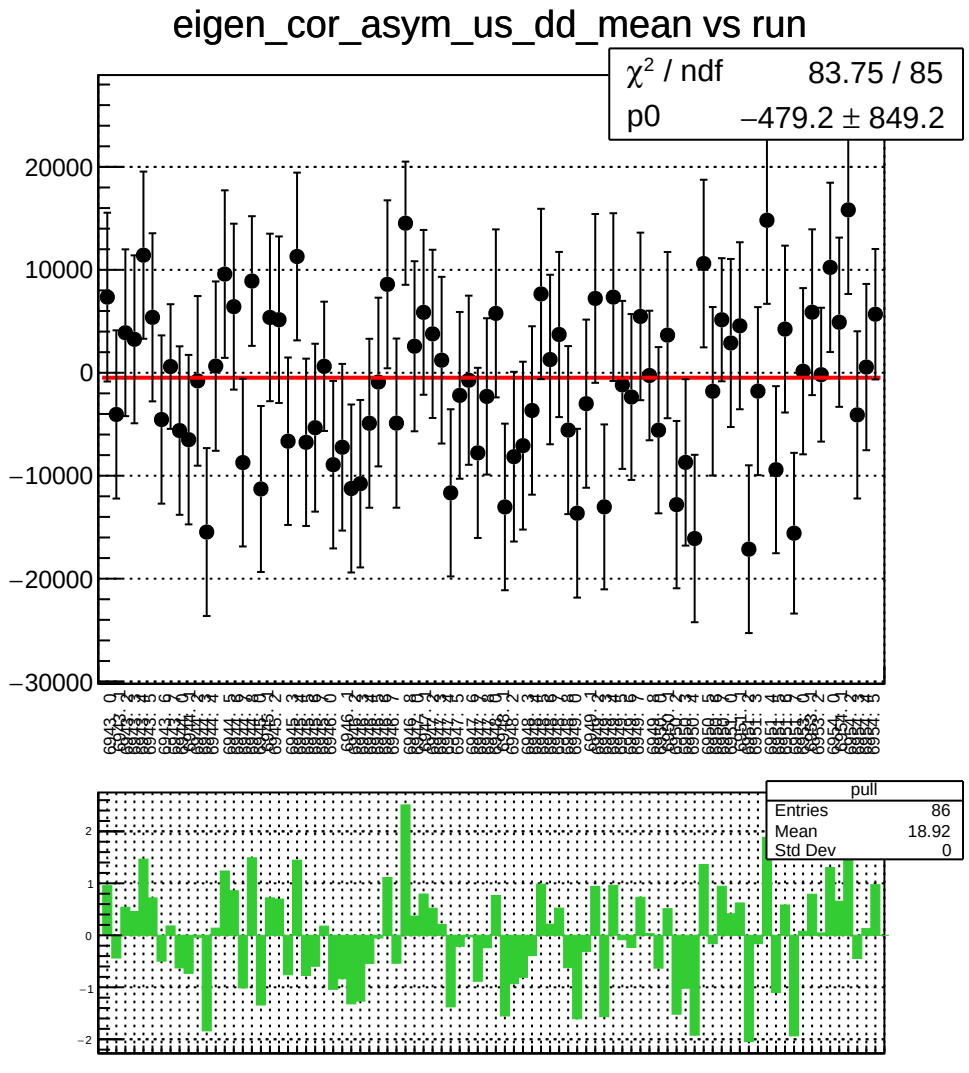

pull1D
Entries 86
Mean −0.02303
Std Dev 0.99
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

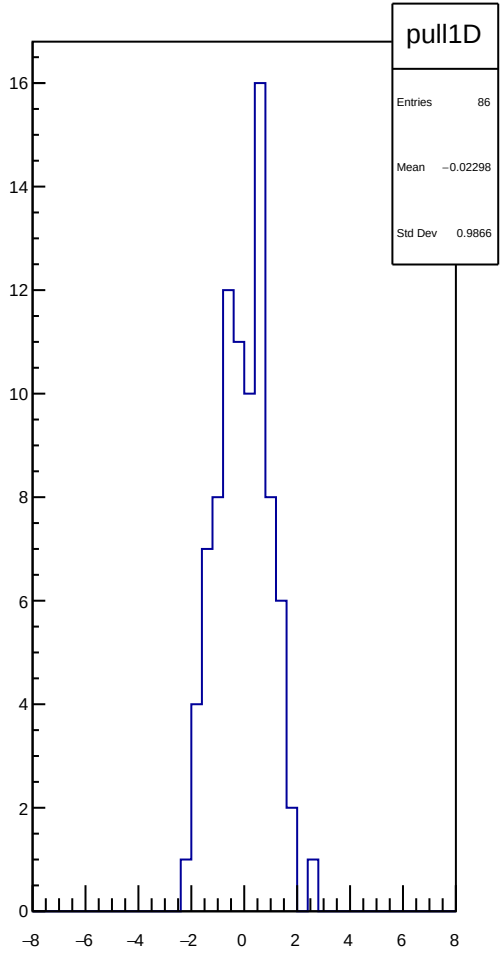

overload_cor_asym_us_dd_rms vs run
χ² / ndf 77.74 / 85
p0 772.1 ± 0.6
790
785
780
775
770
765
760
755
750


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 83.15 / 85
p0 −2771 ± 763.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −318.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.002131
Std Dev 0.9833
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 1.668e+04 / 85
p0 691.5 ± 0.5401
850
800
750
700
650
600


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 83.75 / 85
p0 −479.2 ± 849.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 18.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.02298
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
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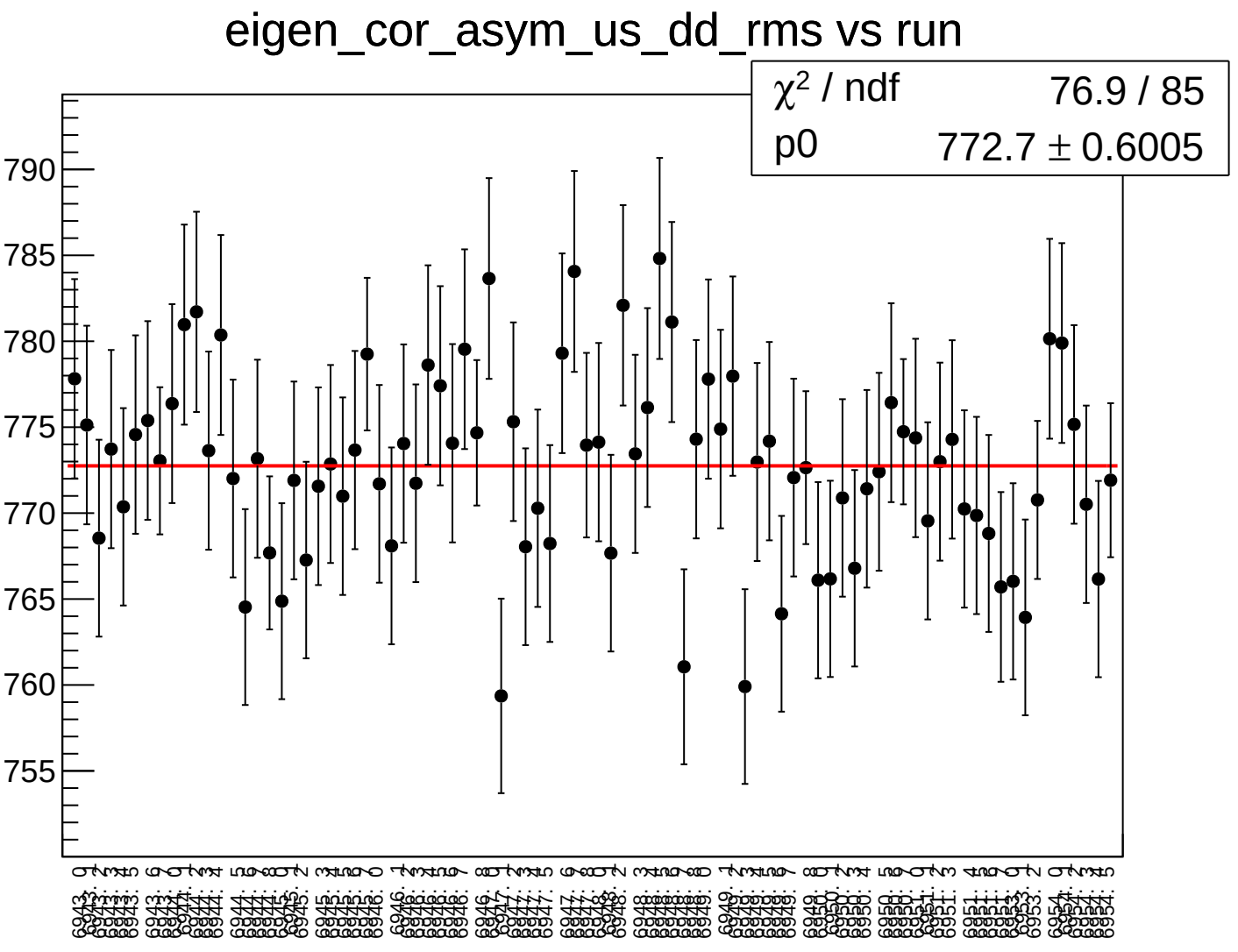
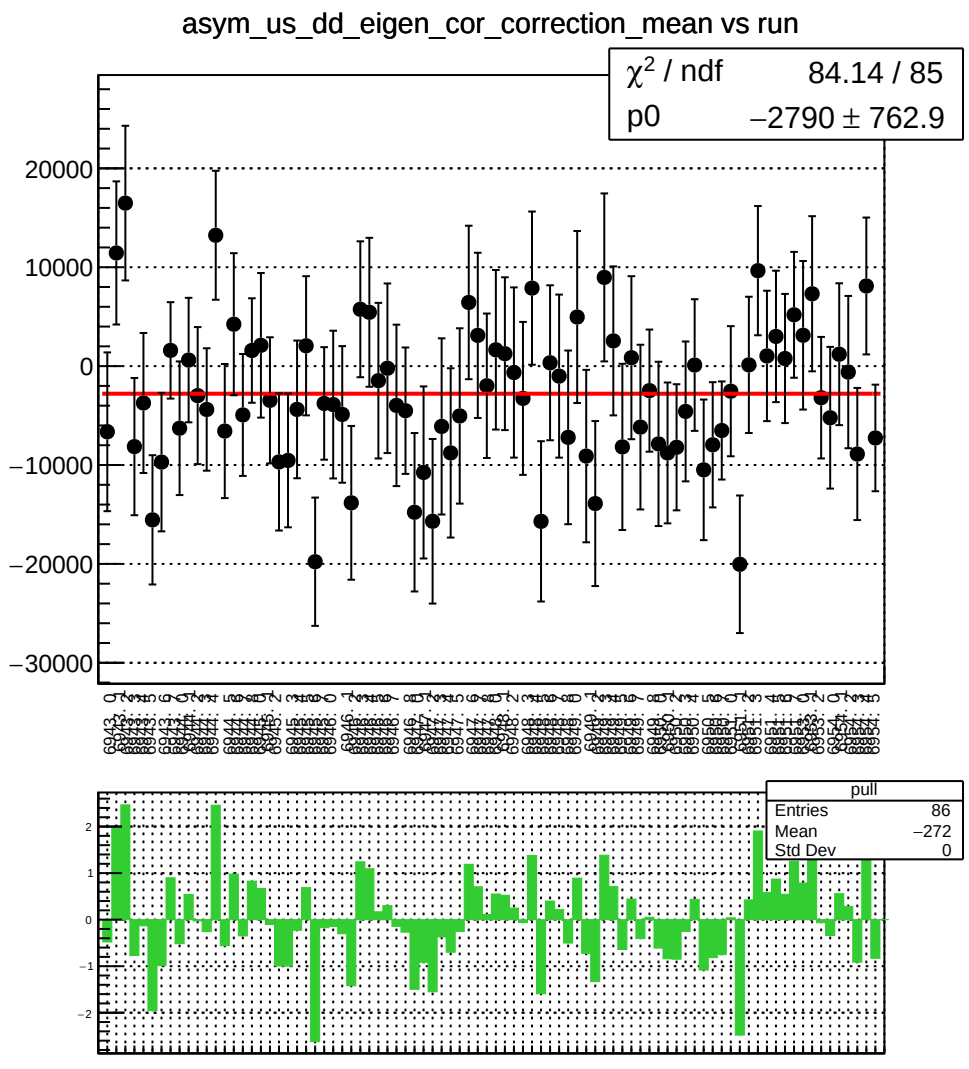
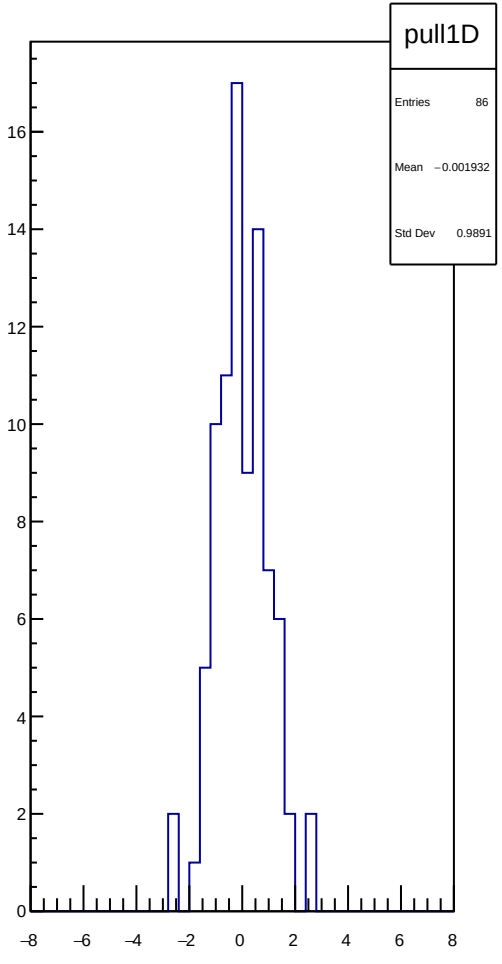
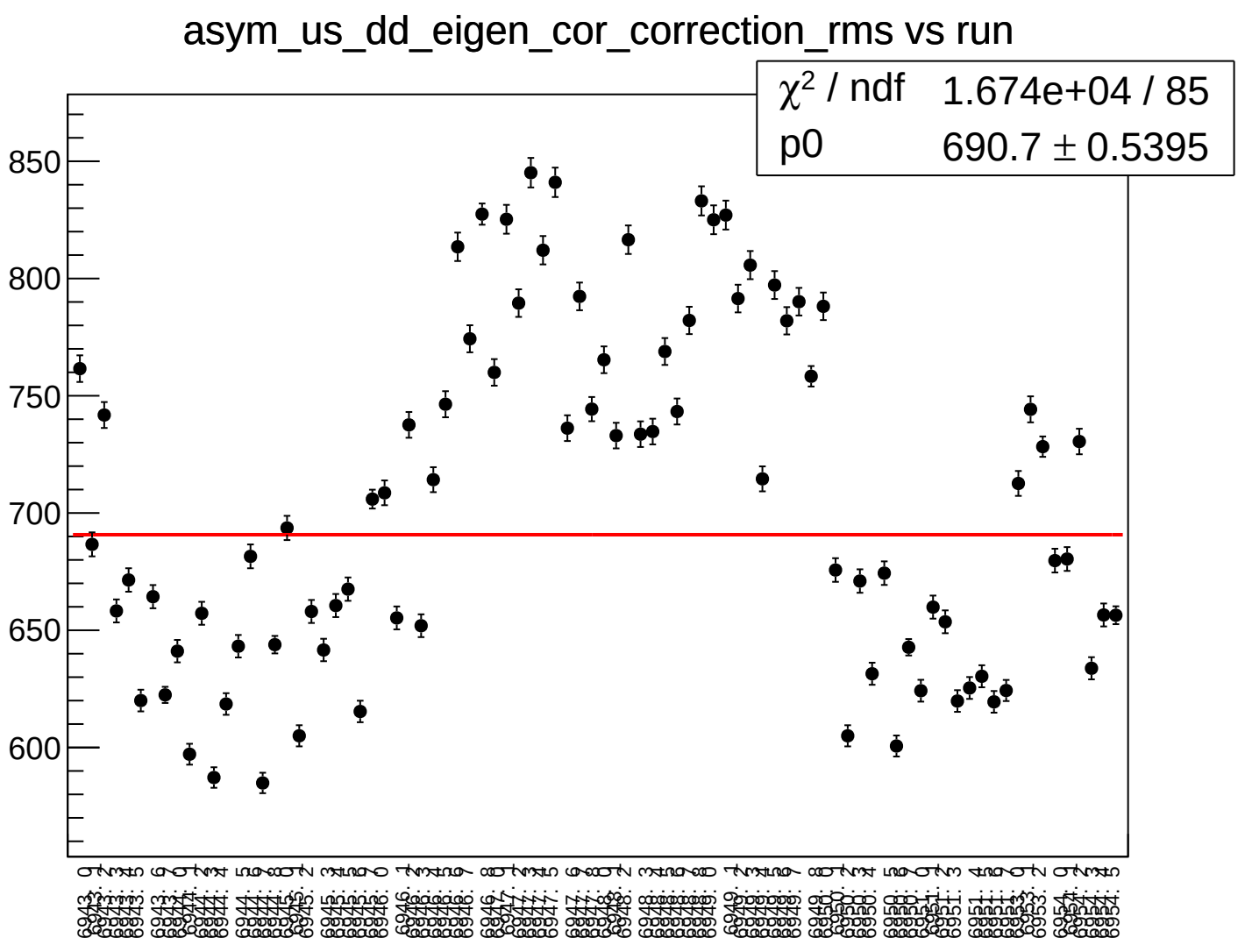
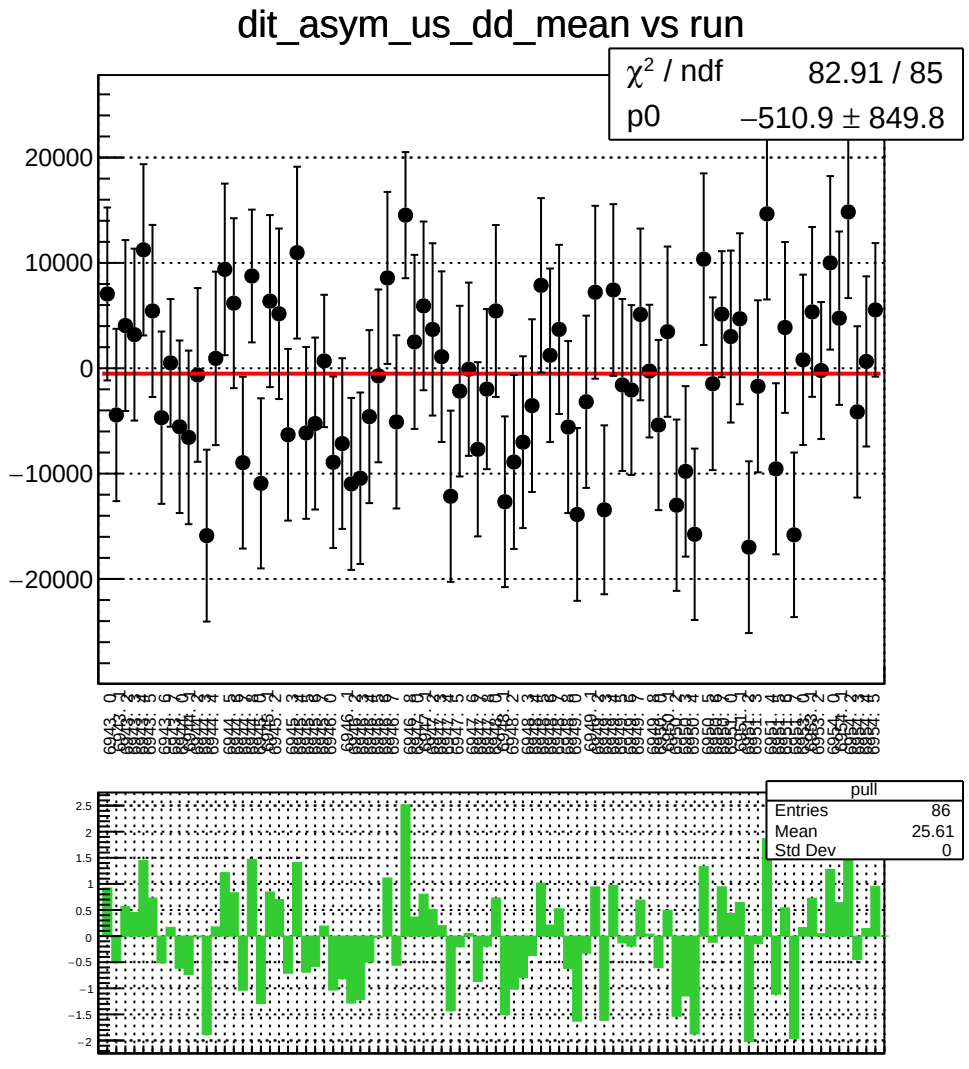
0
2
4
6
8

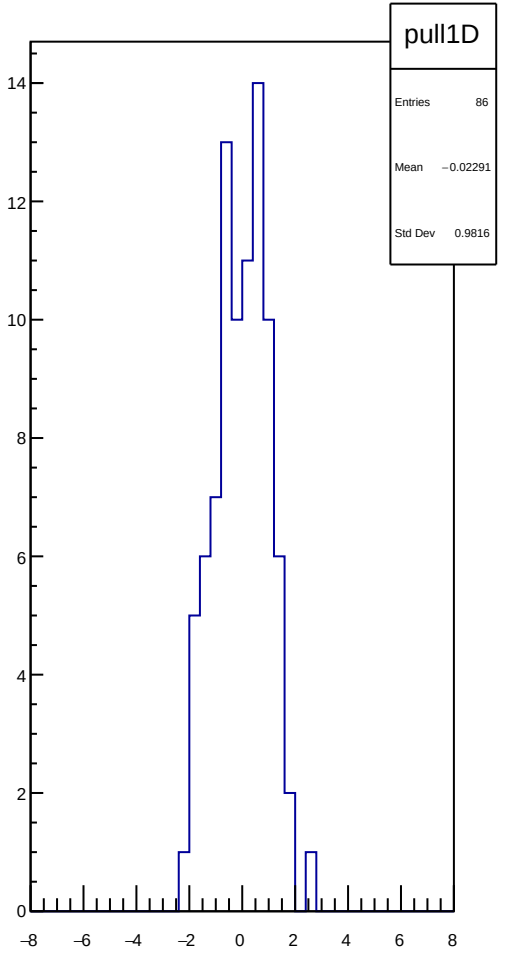

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 76.9 / 85
p0 772.7 ± 0.6005
790
785
780
775
770
765
760
755

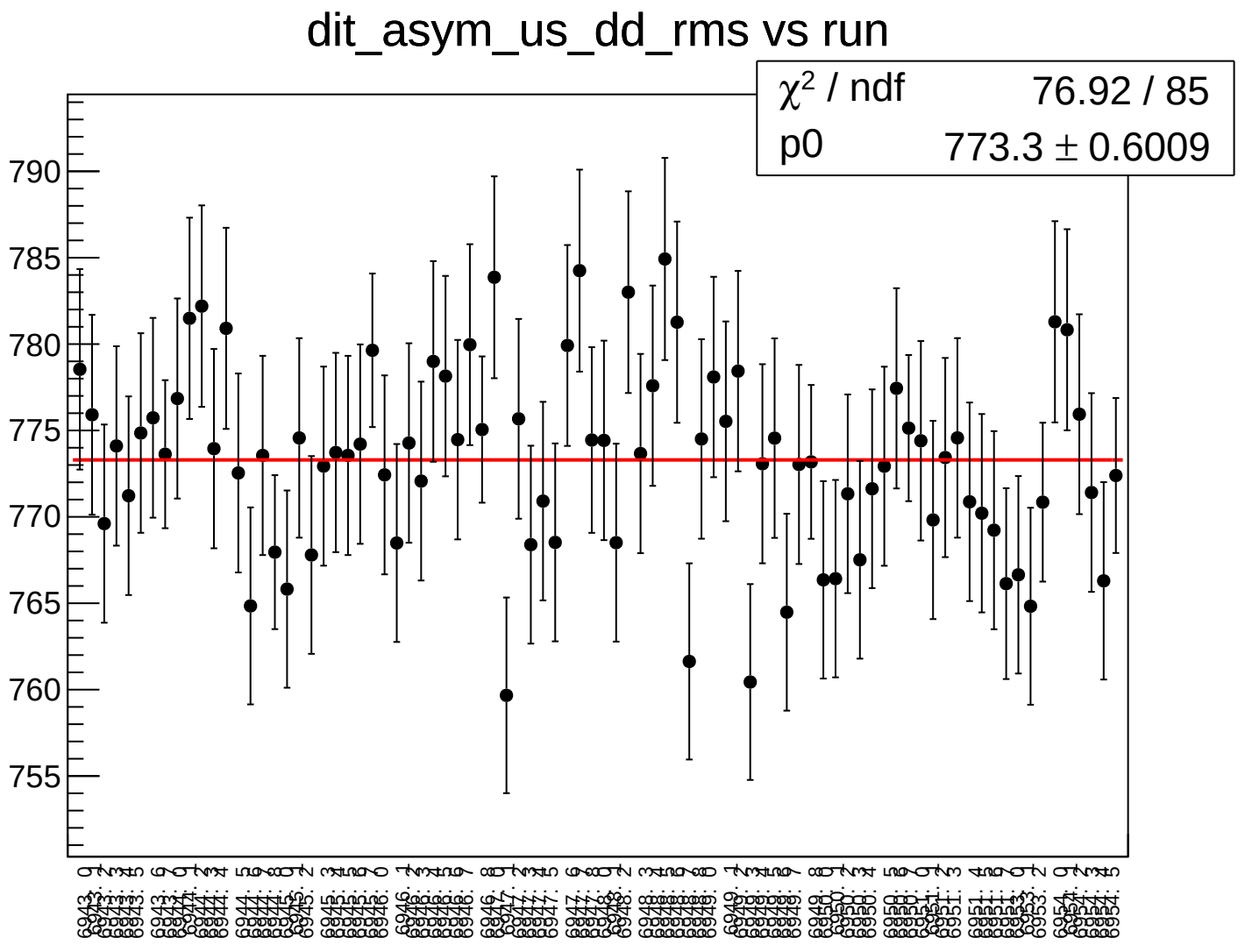

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.14 / 85
p0 −2790 ± 762.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −272
Std Dev 0
2
1
0
−1
−2

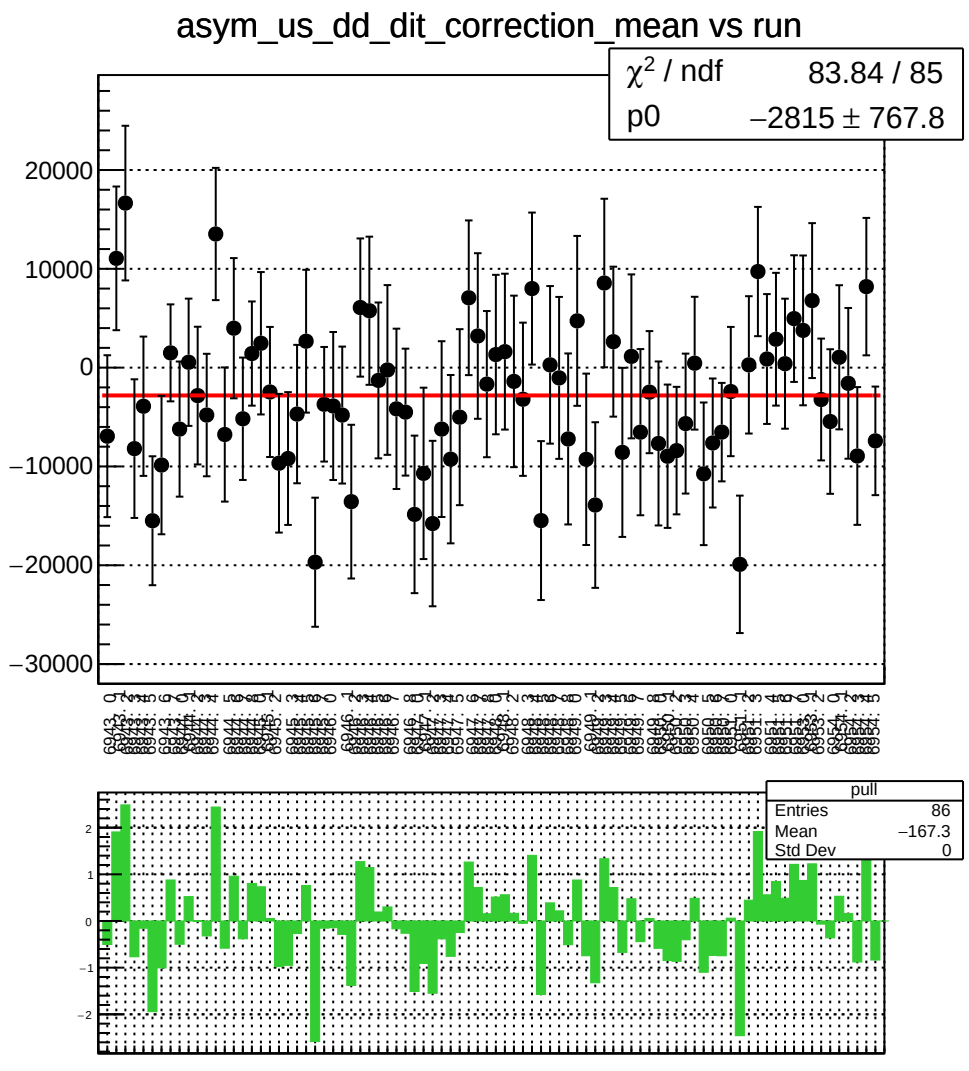

pull1D
Entries 86
Mean −0.001932
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

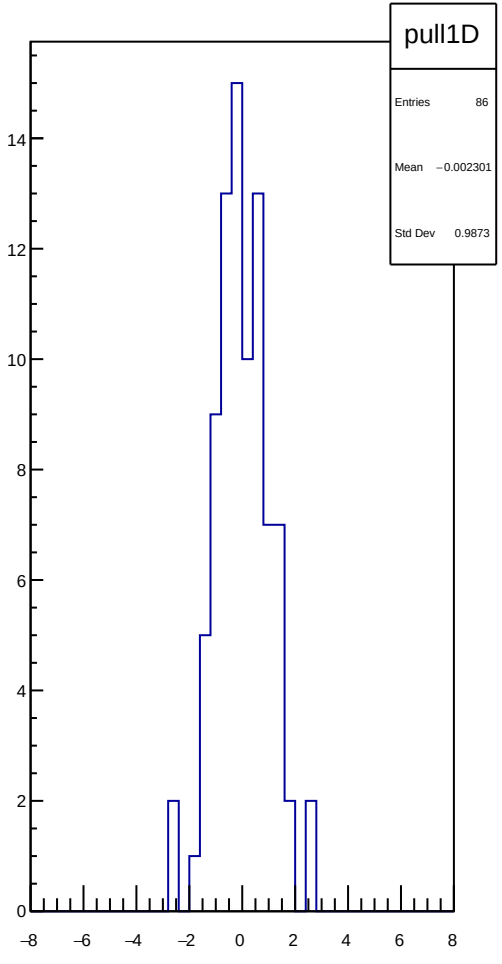

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.674e+04 / 85
p0 690.7 ± 0.5395
850
800
750
700
650
600

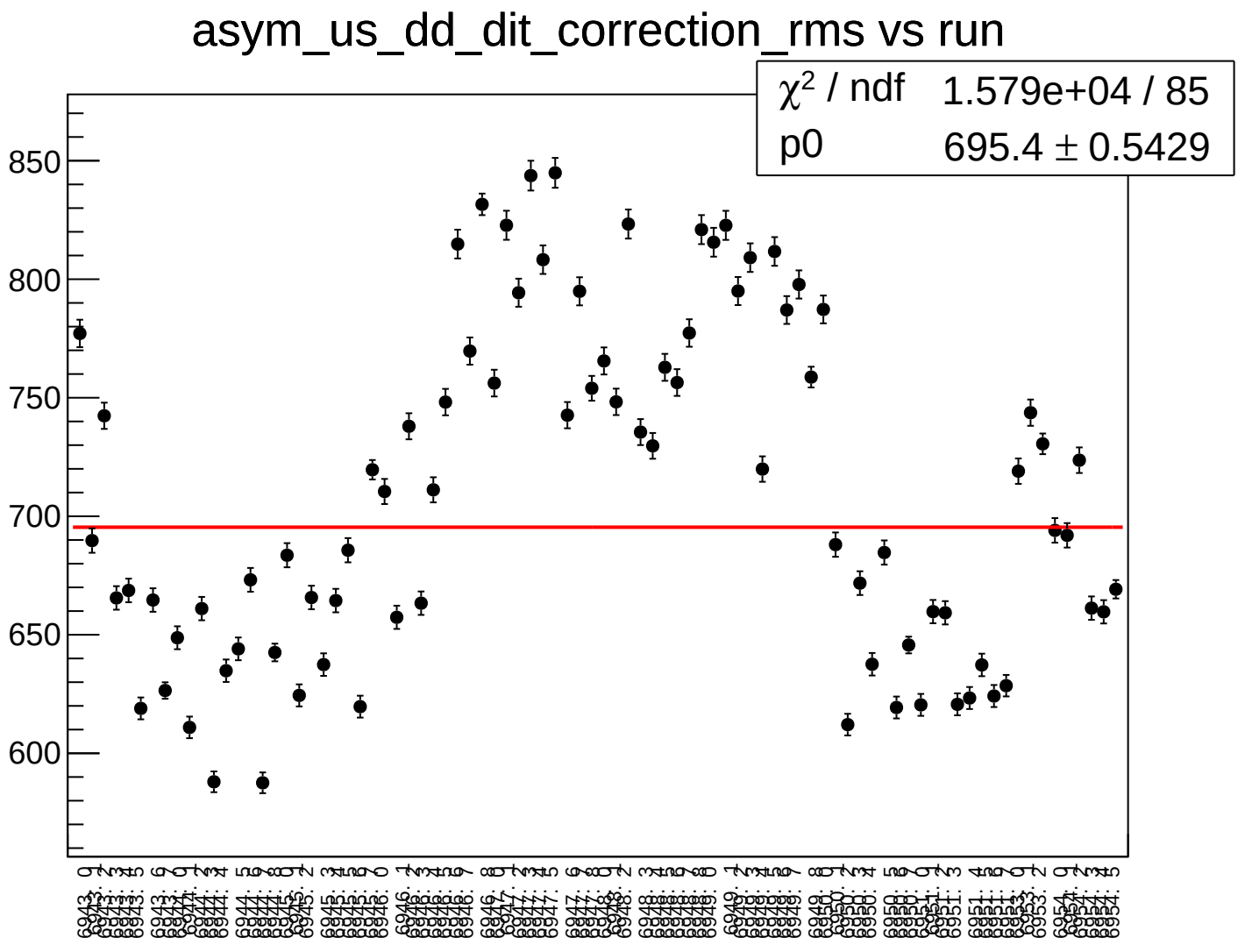

dit_asym_us_dd_mean vs run
χ² / ndf 82.91 / 85
p0 −510.9 ± 849.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 25.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

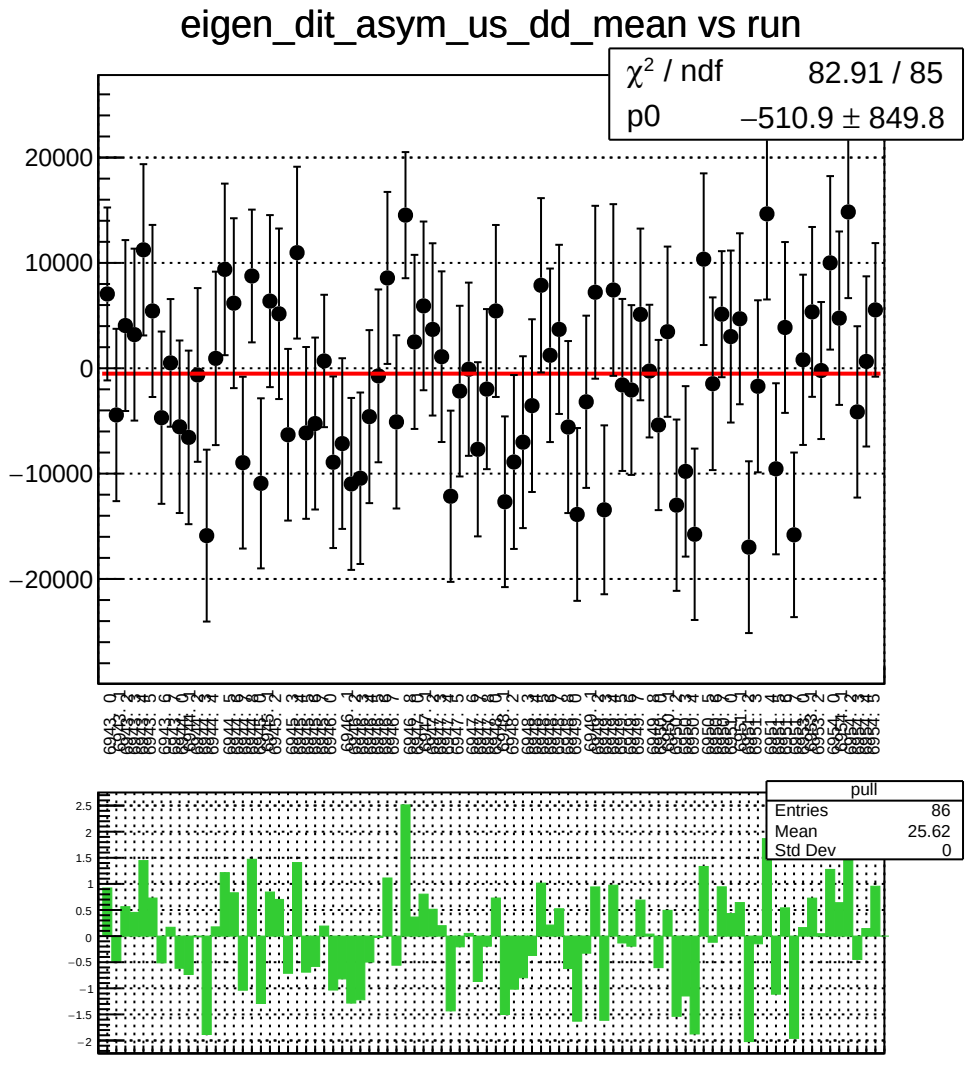

pull1D
Entries 86
Mean −0.02291
Std Dev 0.9816
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

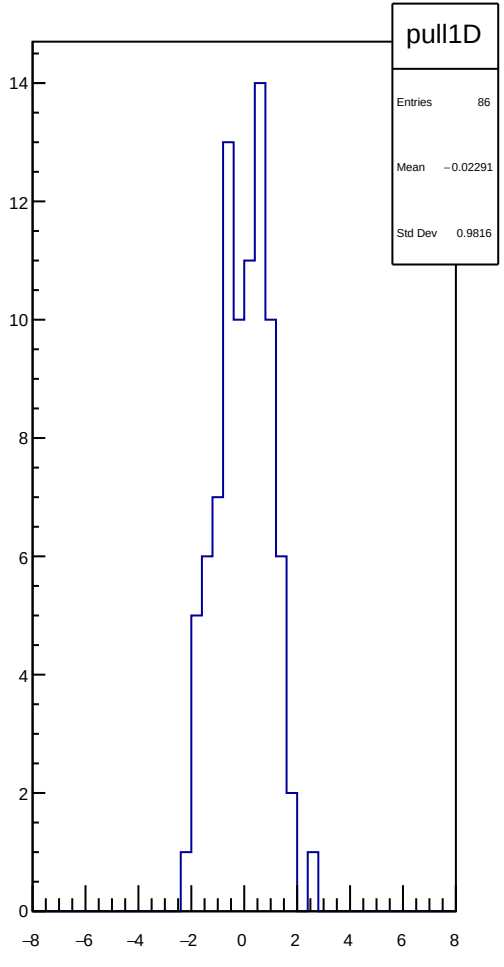

dit_asym_us_dd_rms vs run
χ² / ndf 76.92 / 85
p0 773.3 ± 0.6009
790
785
780
775
770
765
760
755

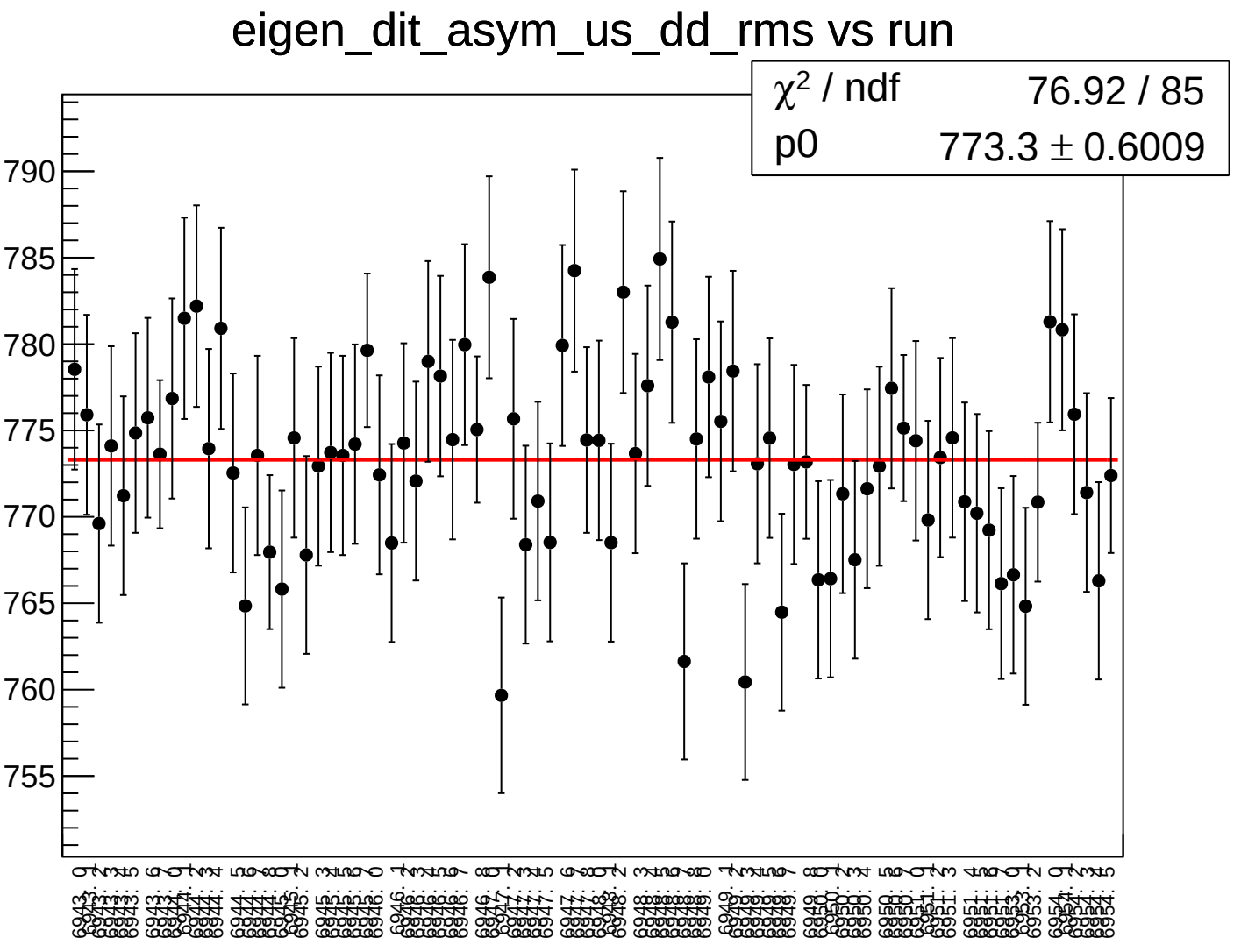

asym_us_dd_dit_correction_mean vs run
χ² / ndf 83.84 / 85
p0 −2815 ± 767.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −167.3
Std Dev 0
2
1
0
−1
−2

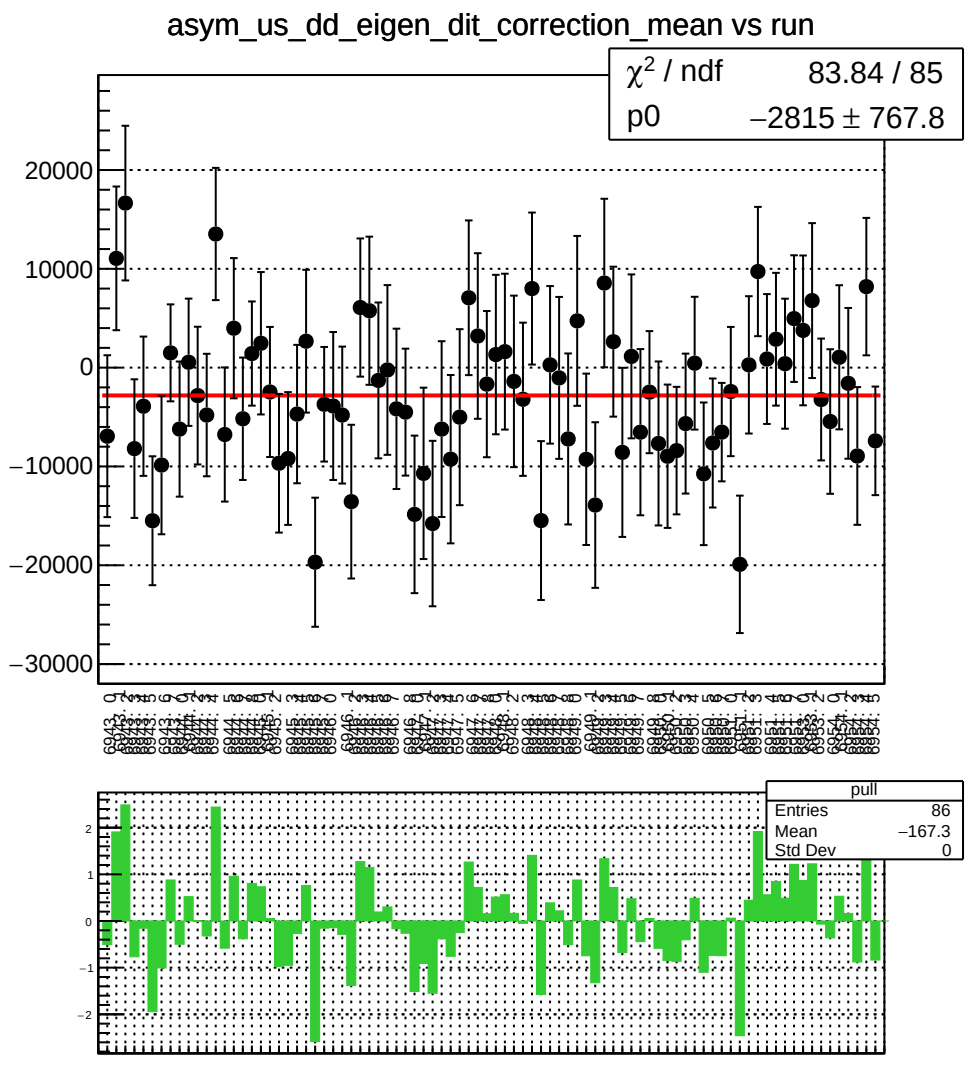

pull1D
Entries 86
Mean −0.002301
Std Dev 0.9873
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

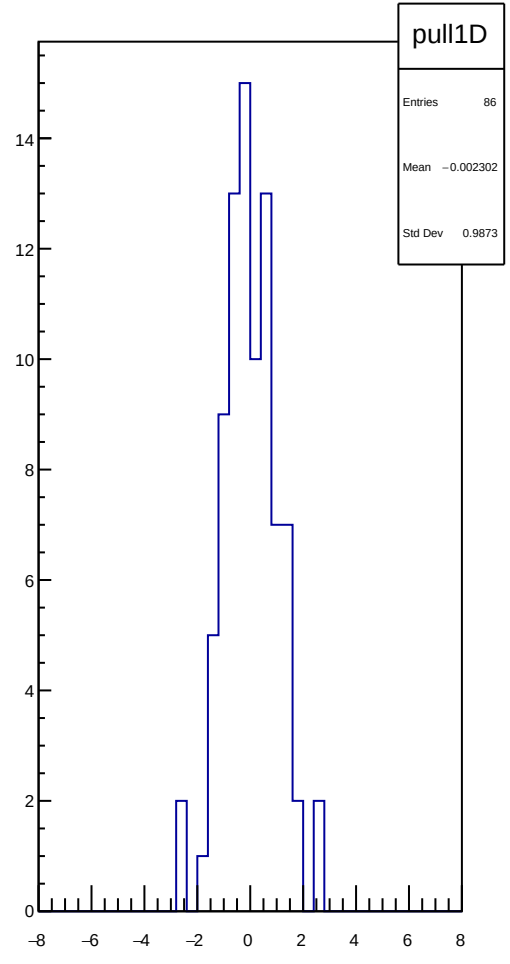

asym_us_dd_dit_correction_rms vs run
χ² / ndf 1.579e+04 / 85
p0 695.4 ± 0.5429
850
800
750
700
650
600

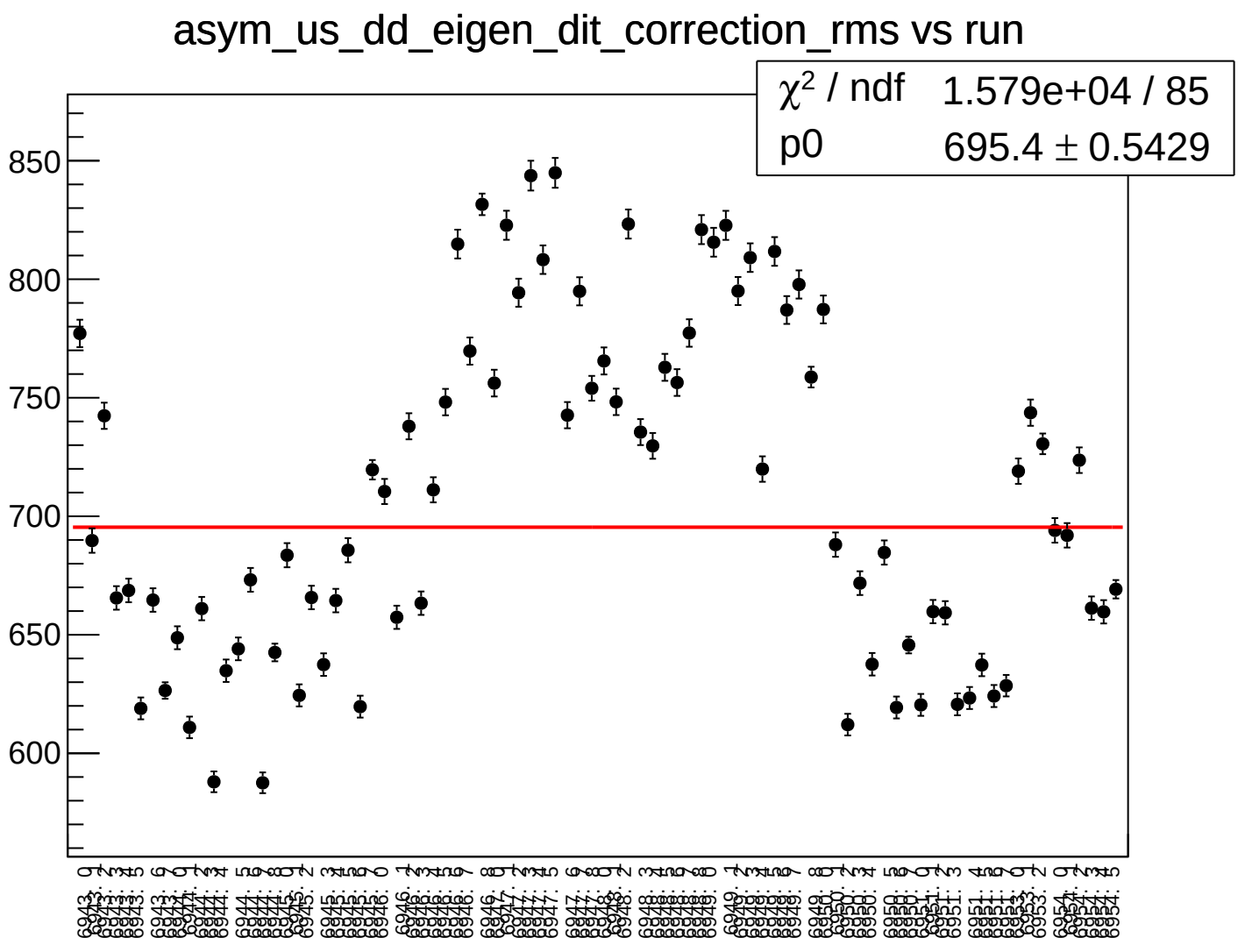

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 82.91 / 85
p0 −510.9 ± 849.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 25.62
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

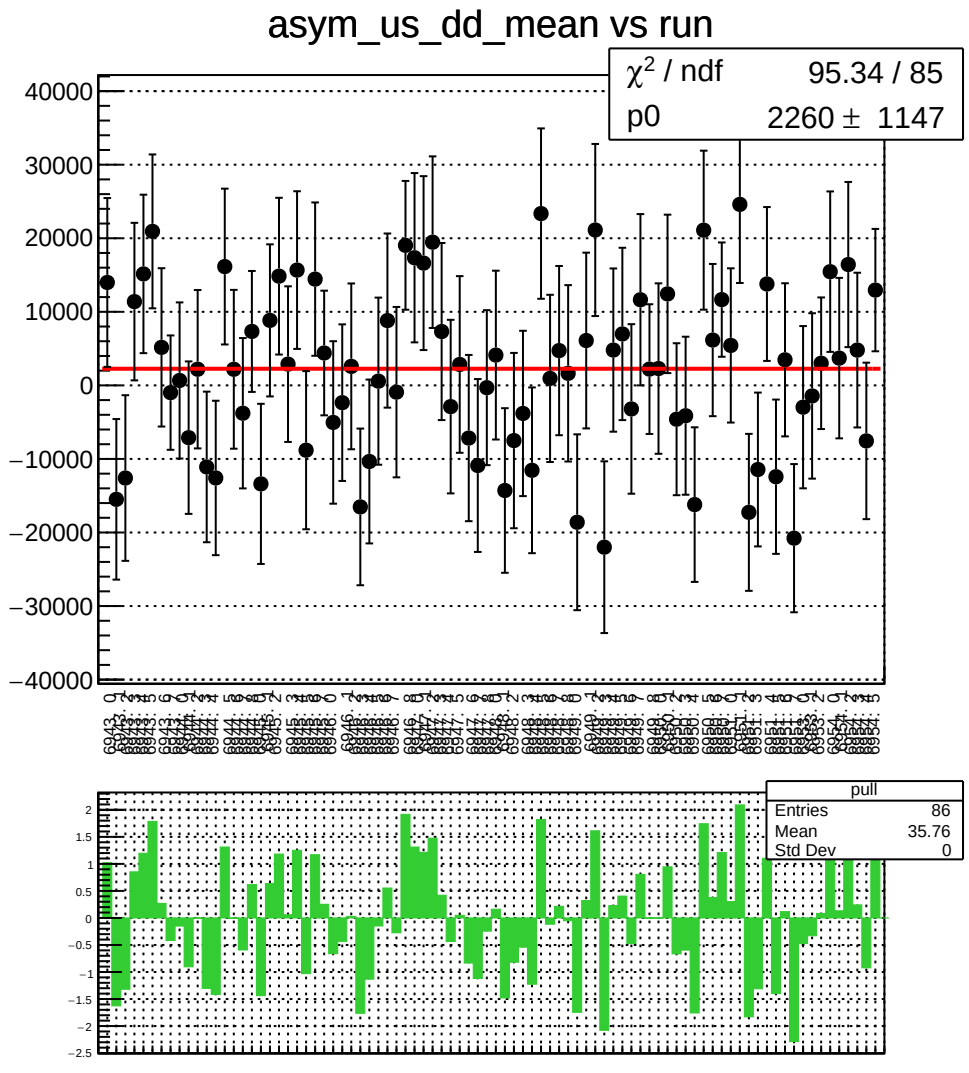

pull1D
Entries 86
Mean −0.02291
Std Dev 0.9816
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

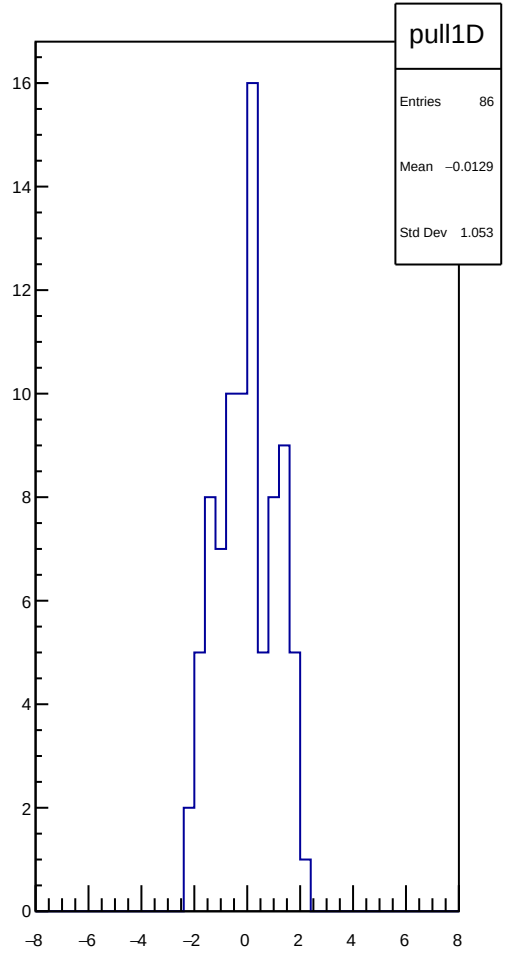

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 76.92 / 85
p0 773.3 ± 0.6009
790
785
780
775
770
765
760
755

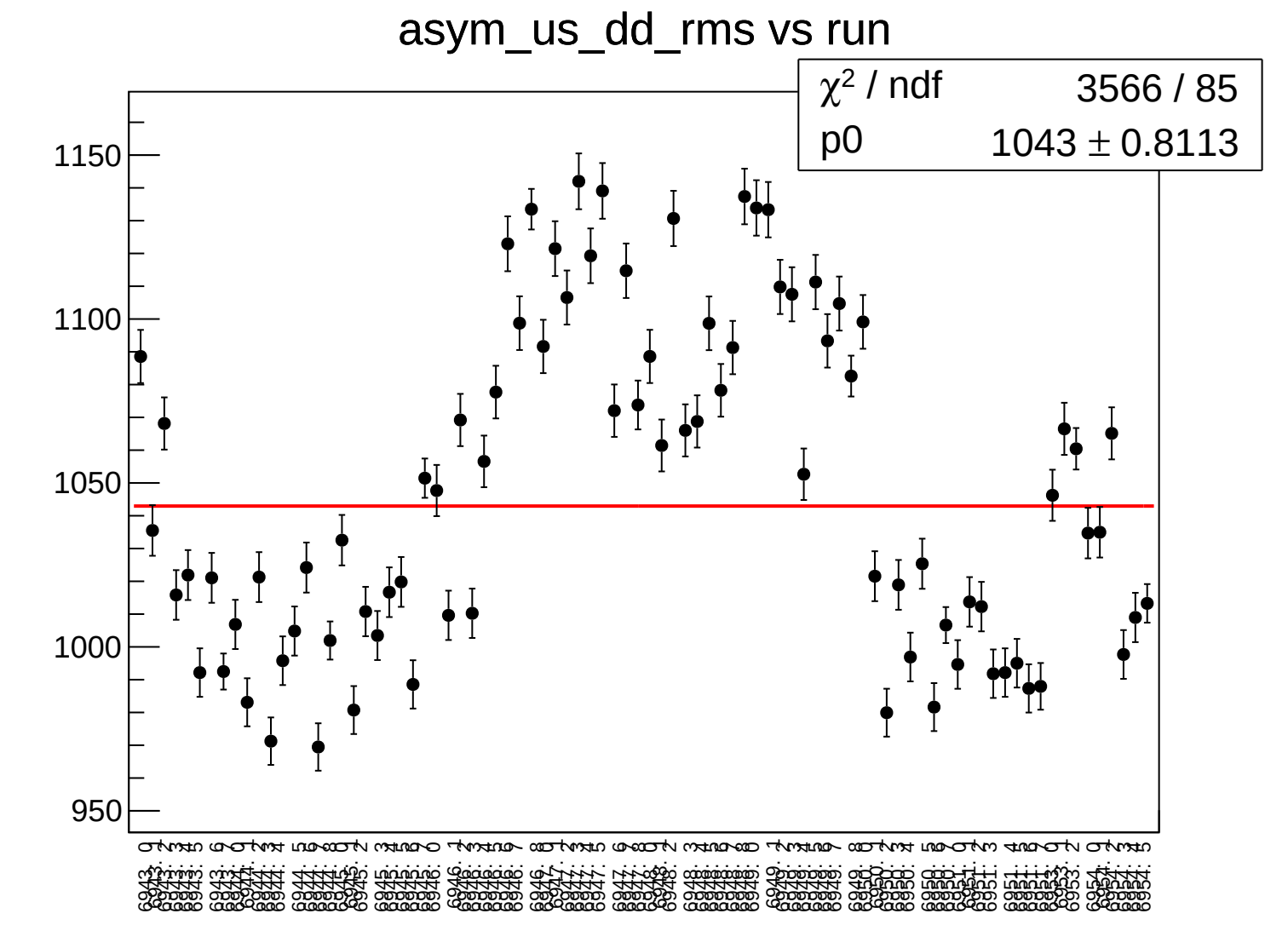

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.84 / 85
p0 −2815 ± 767.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −167.3
Std Dev 0
2
1
0
−1
−2

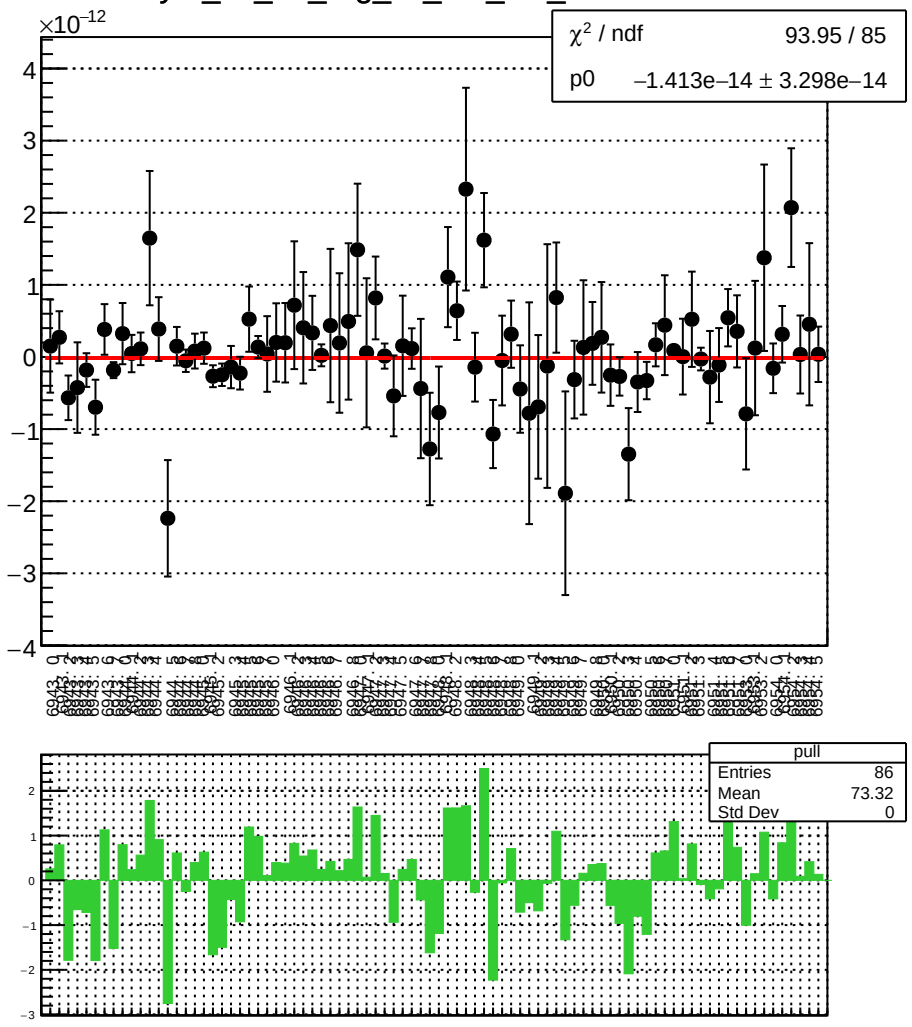

pull1D
Entries 86
Mean −0.002302
Std Dev 0.9873
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

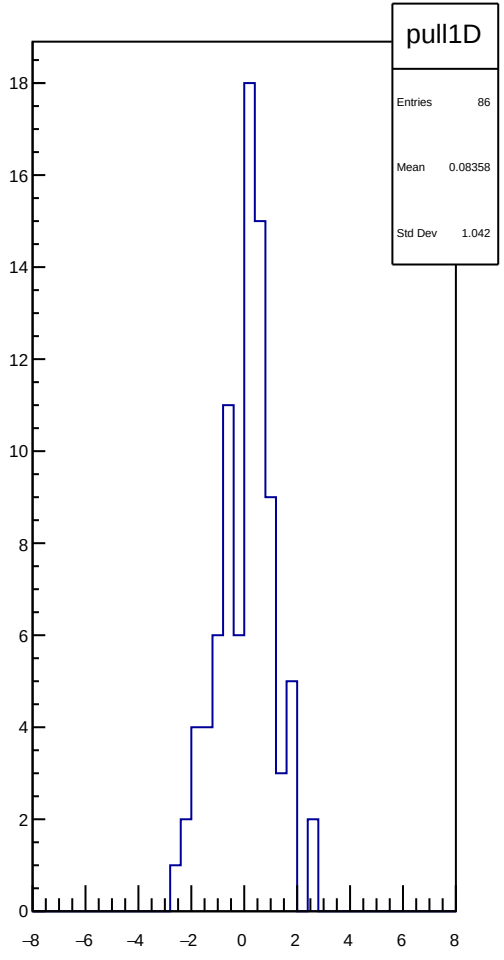

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.579e+04 / 85
p0 695.4 ± 0.5429
850
800
750
700
650
600

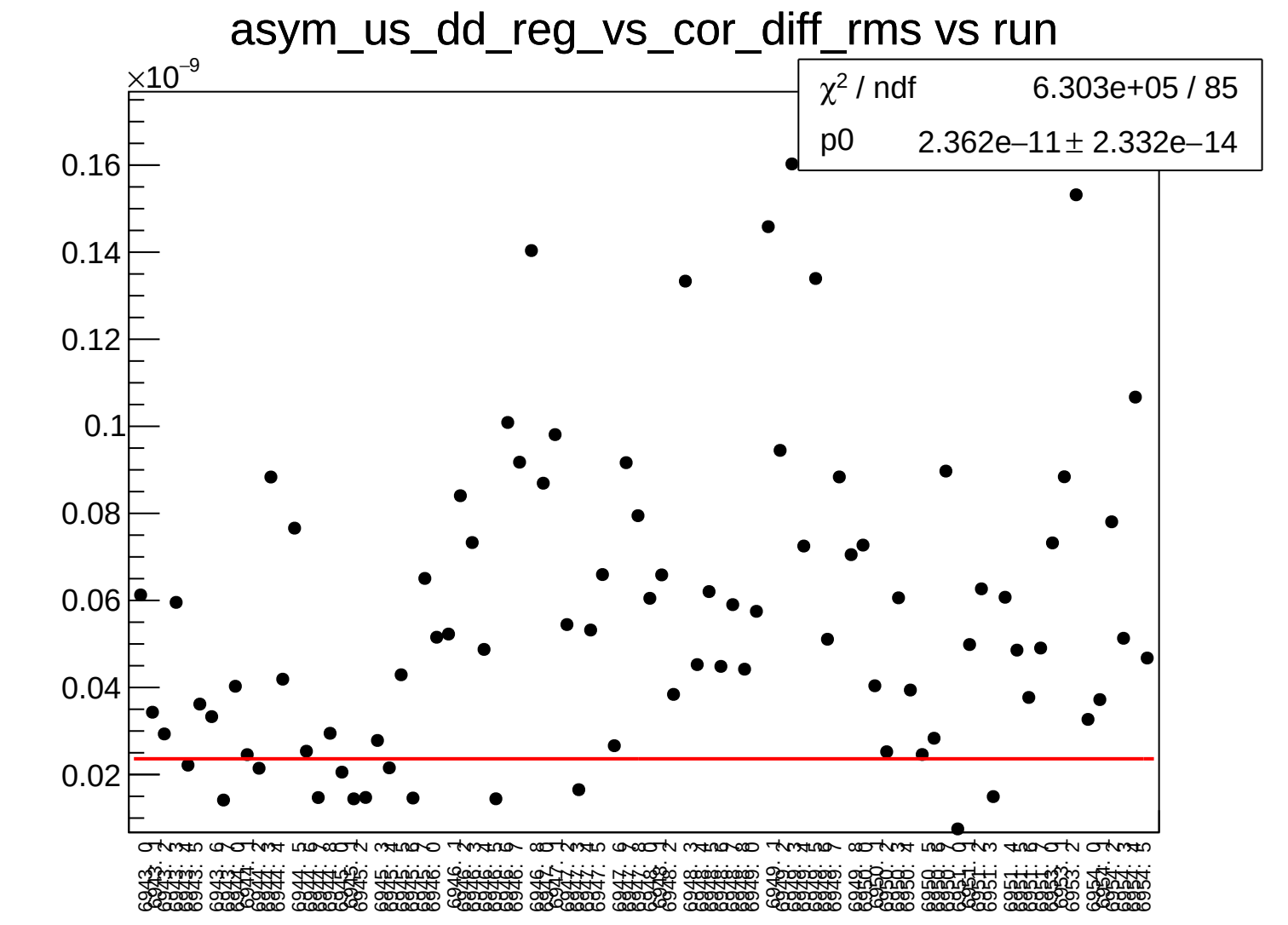

asym_us_dd_mean vs run
χ² / ndf 95.34 / 85
p0 2260 ± 1147
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 35.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

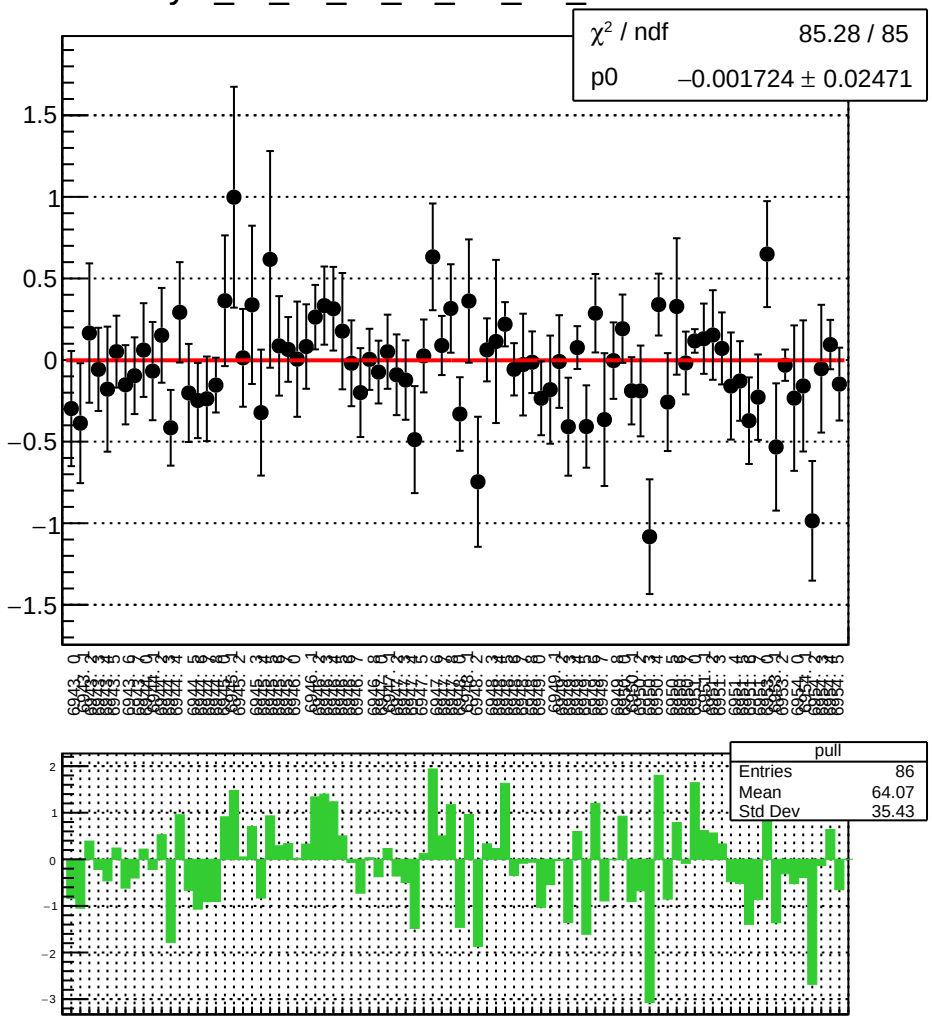

pull1D
Entries 86
Mean −0.0129
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

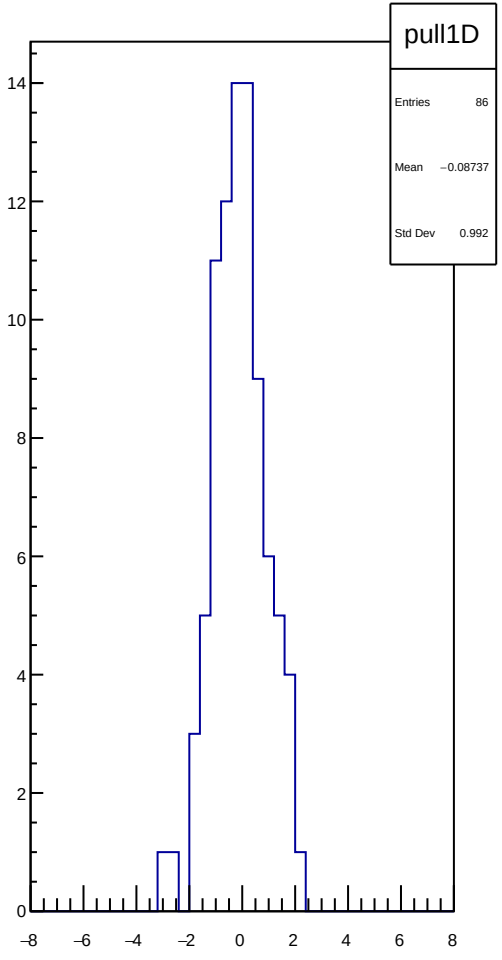

asym_us_dd_rms vs run
χ^2 / ndf 3566 / 85
p0 1043 ± 0.8113
1150
1100
1050
1000
950

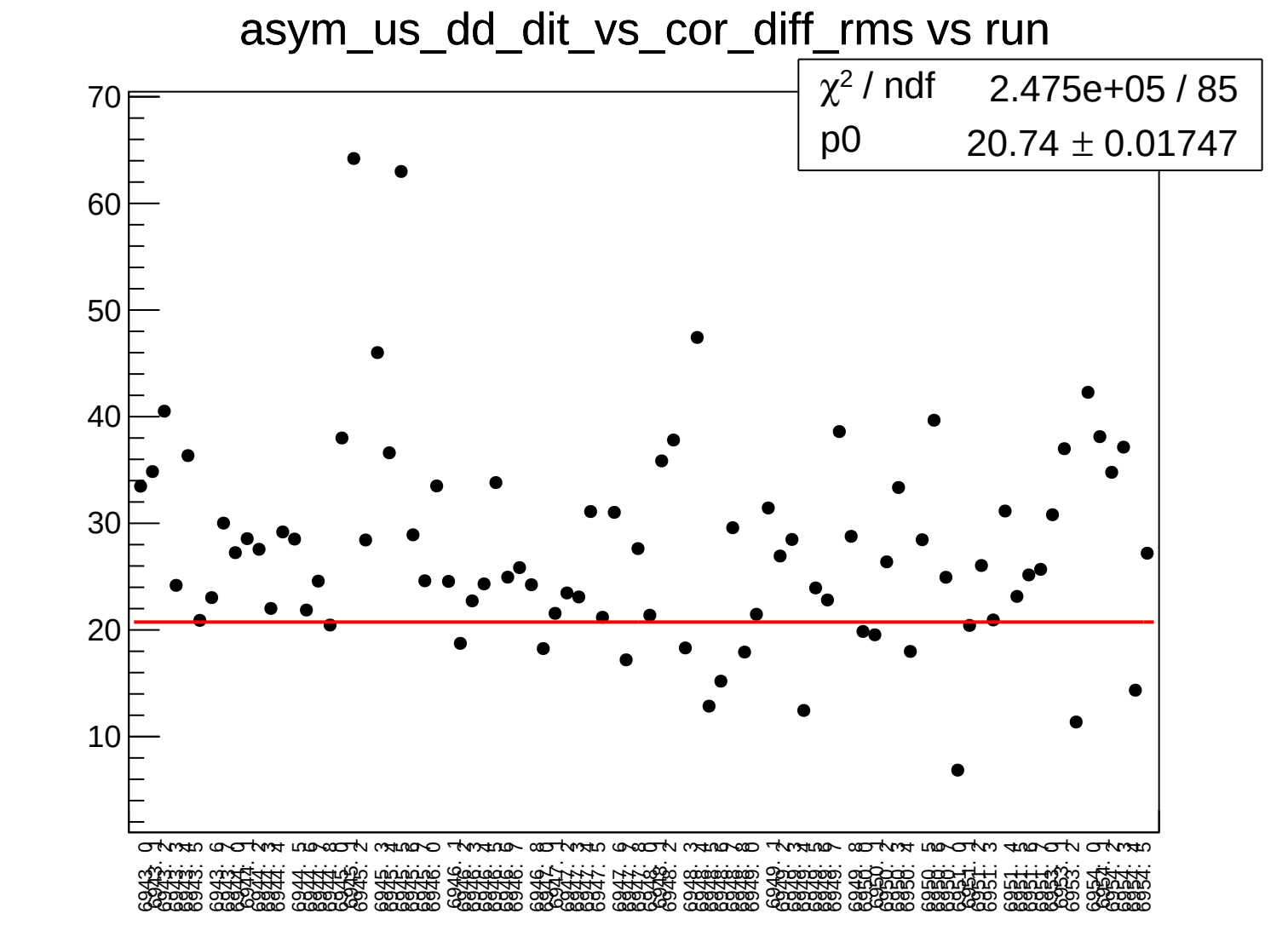

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.95 / 85
p0 −1.413e−14 ± 3.298e−14
pull
Entries 86
Mean 73.32
Std Dev 0

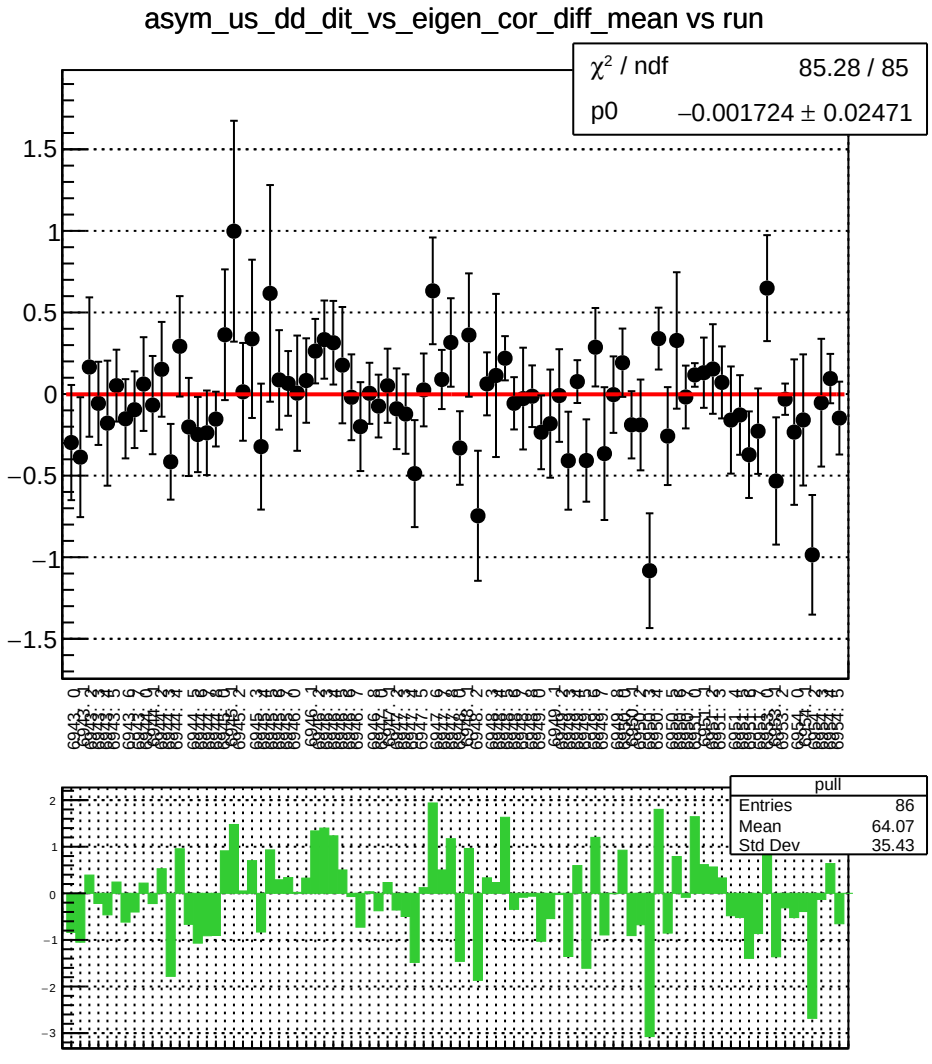

pull1D
Entries 86
Mean 0.08358
Std Dev 1.042

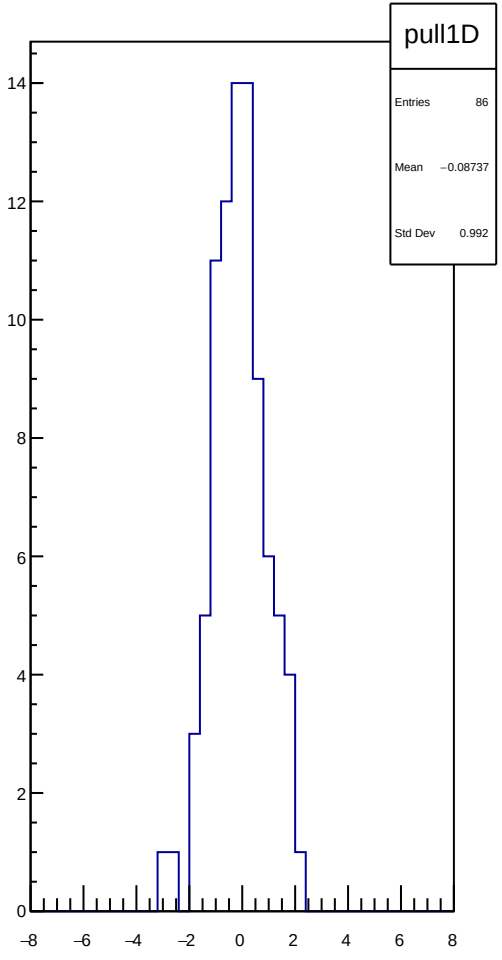

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.303e+05 / 85
p0 2.362e−11 ± 2.332e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

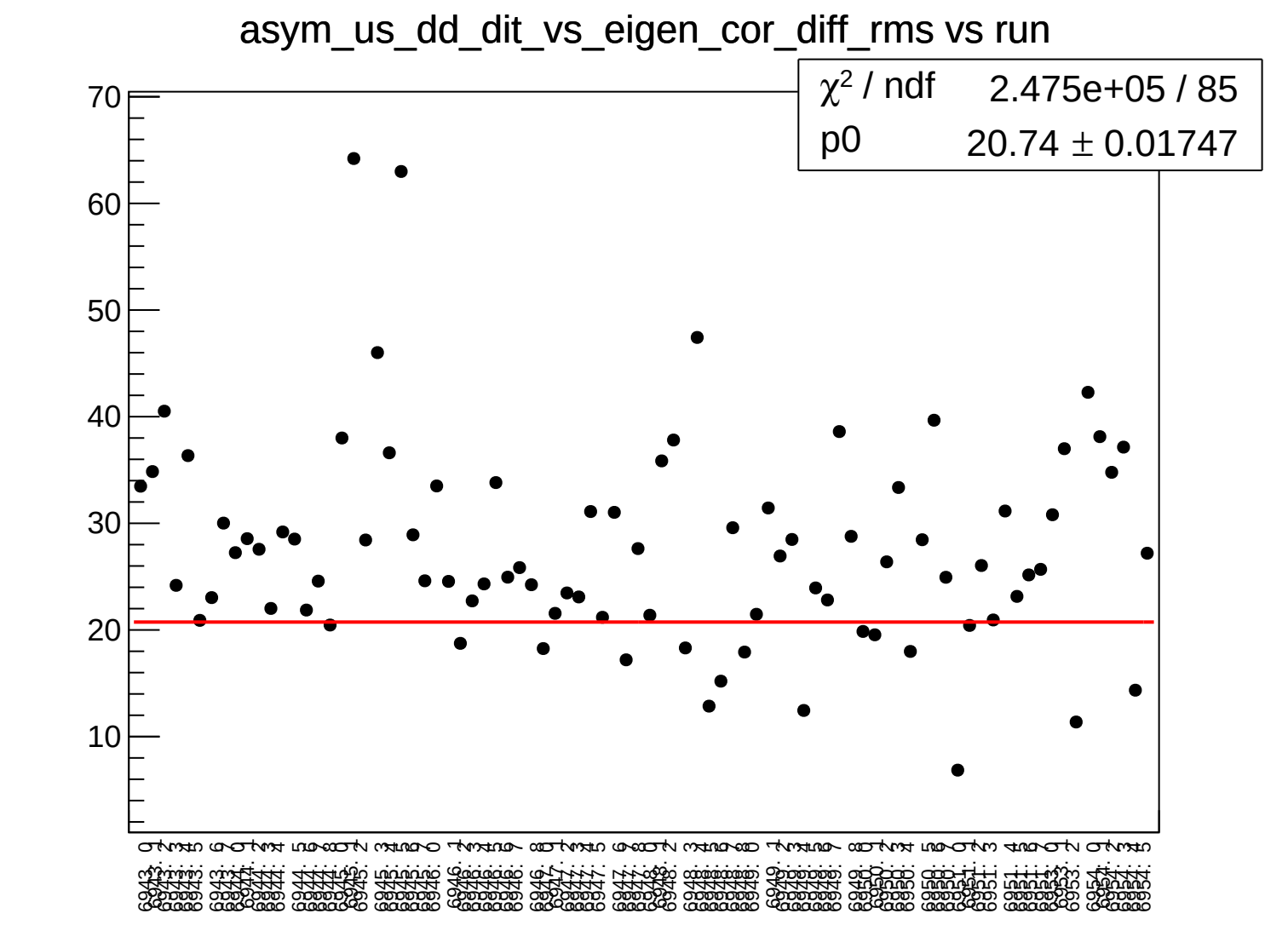

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.28 / 85
p0 −0.001724 ± 0.02471
pull
Entries 86
Mean 64.07
Std Dev 35.43

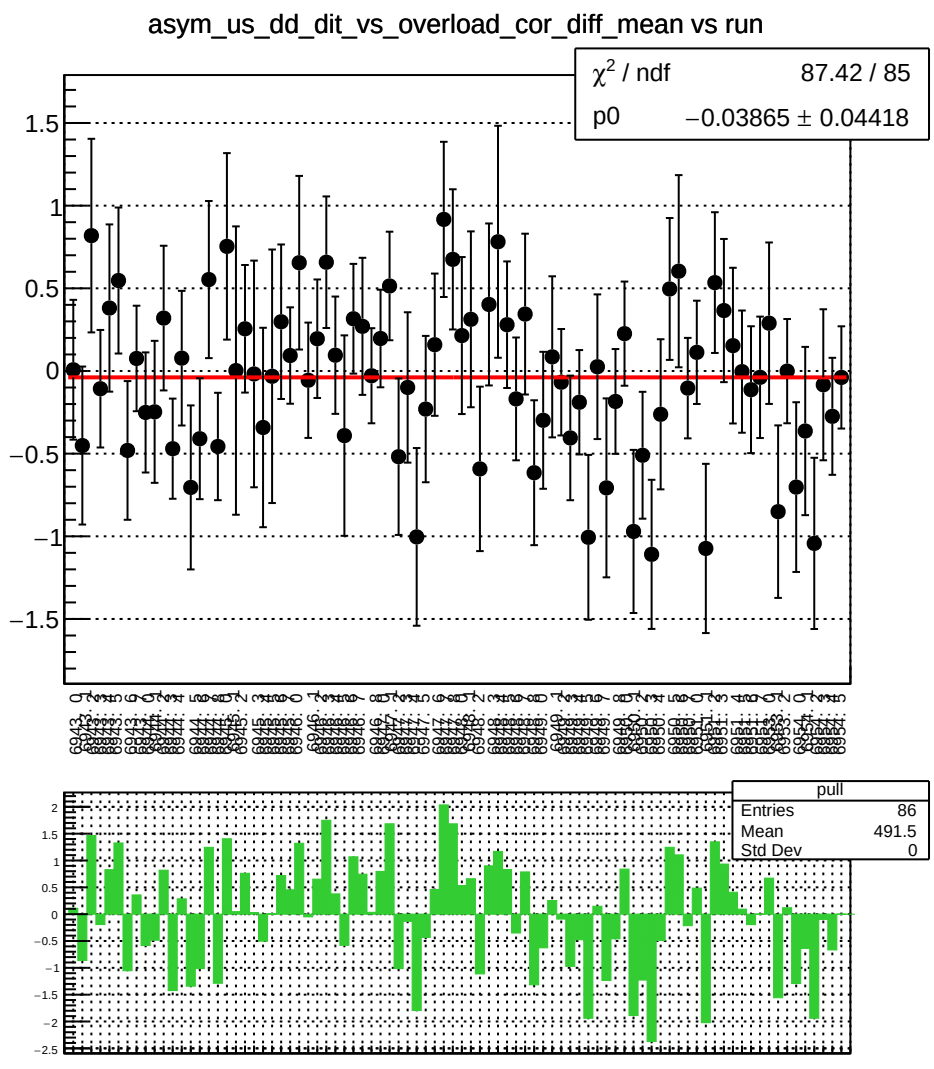

pull1D
Entries 86
Mean −0.08737
Std Dev 0.992

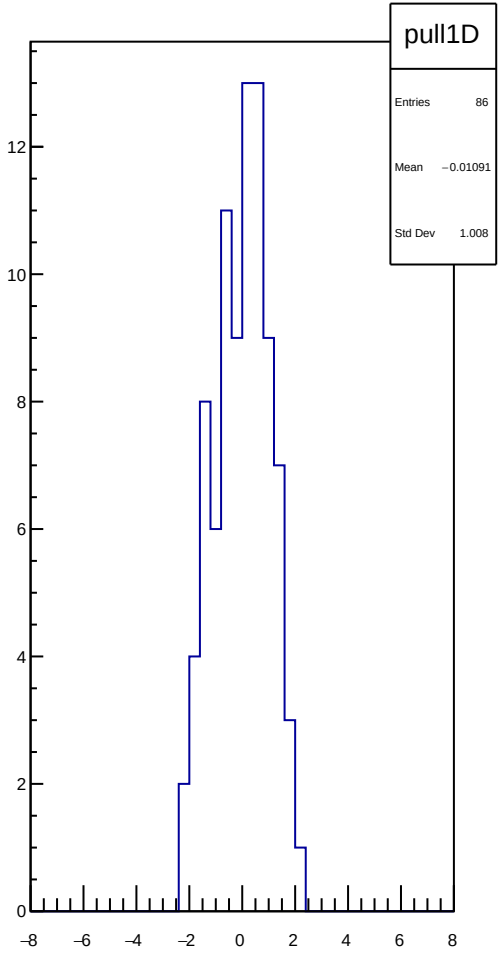

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.475e+05 / 85
p0 20.74 ± 0.01747
70
60
50
40
30
20
10

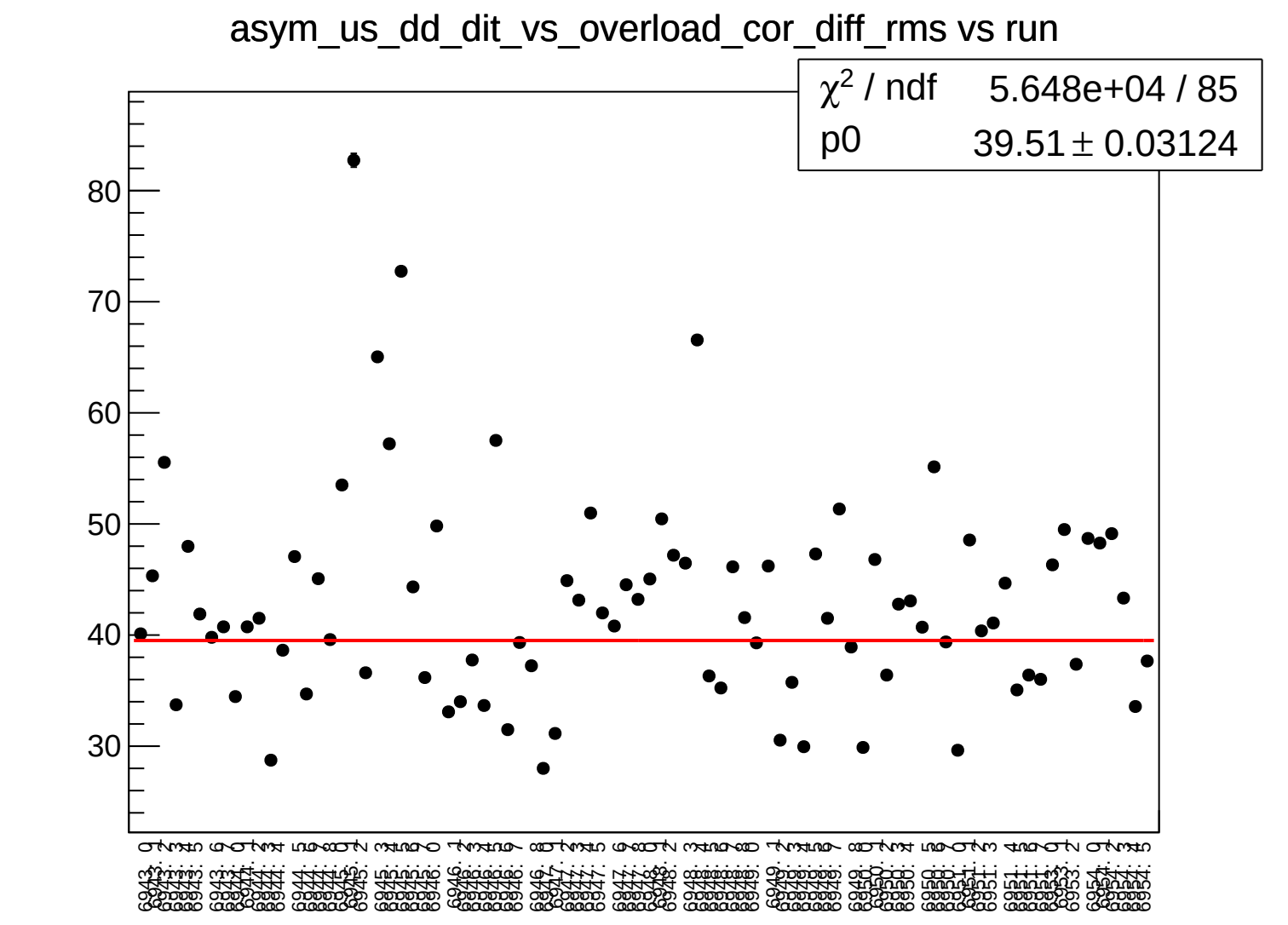

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.28 / 85
p0 −0.001724 ± 0.02471
pull
Entries 86
Mean 64.07
Std Dev 35.43

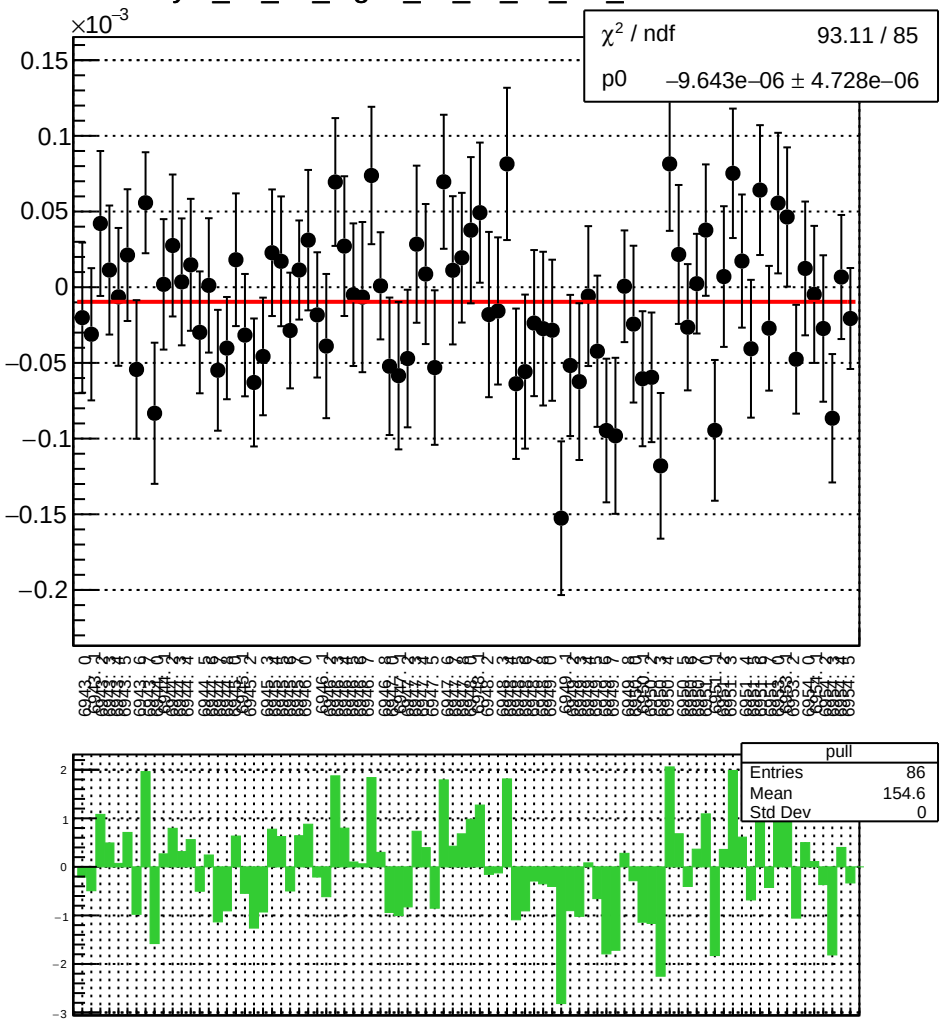

pull1D
Entries 86
Mean −0.08737
Std Dev 0.992

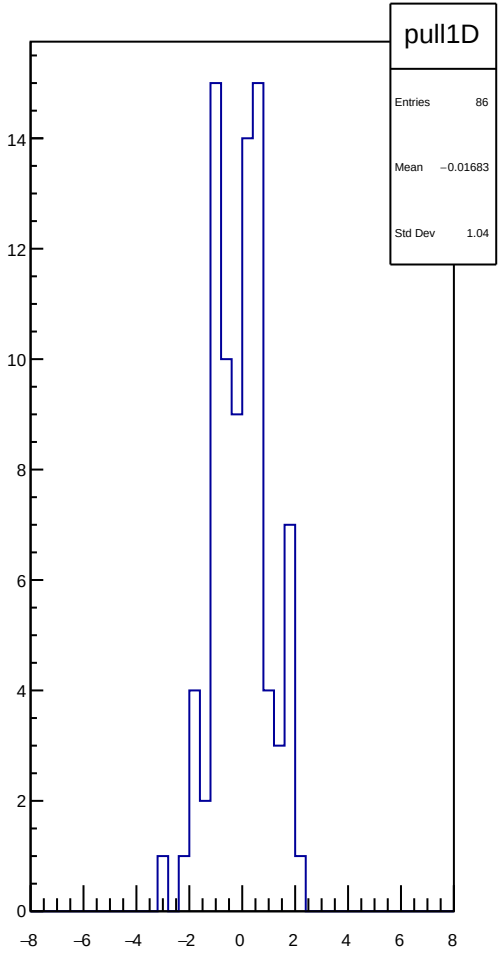

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.475e+05 / 85
p0 20.74 ± 0.01747
70
60
50
40
30
20
10

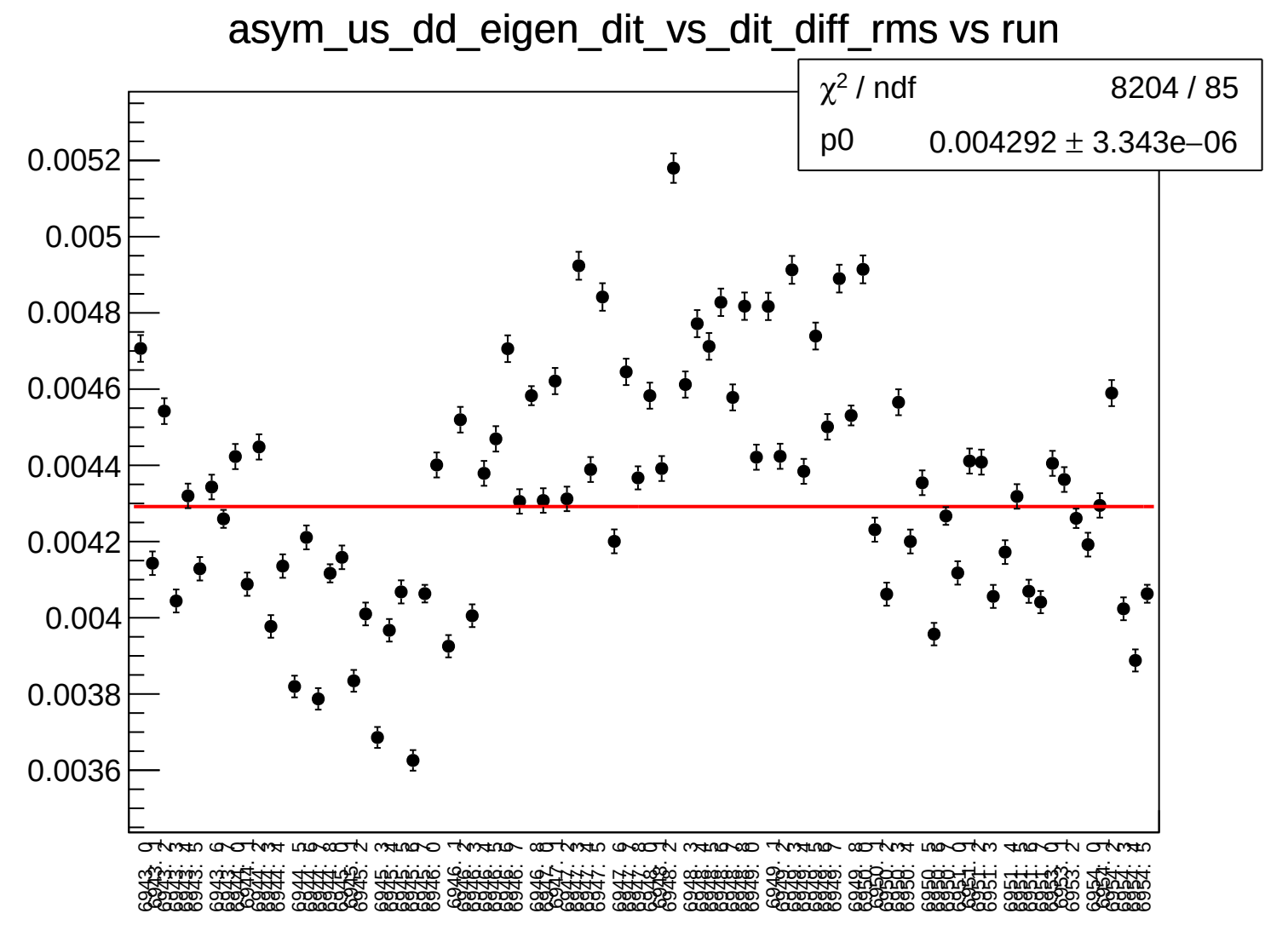

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 87.42 / 85
p0 −0.03865 ± 0.04418
pull
Entries 86
Mean 491.5
Std Dev 0

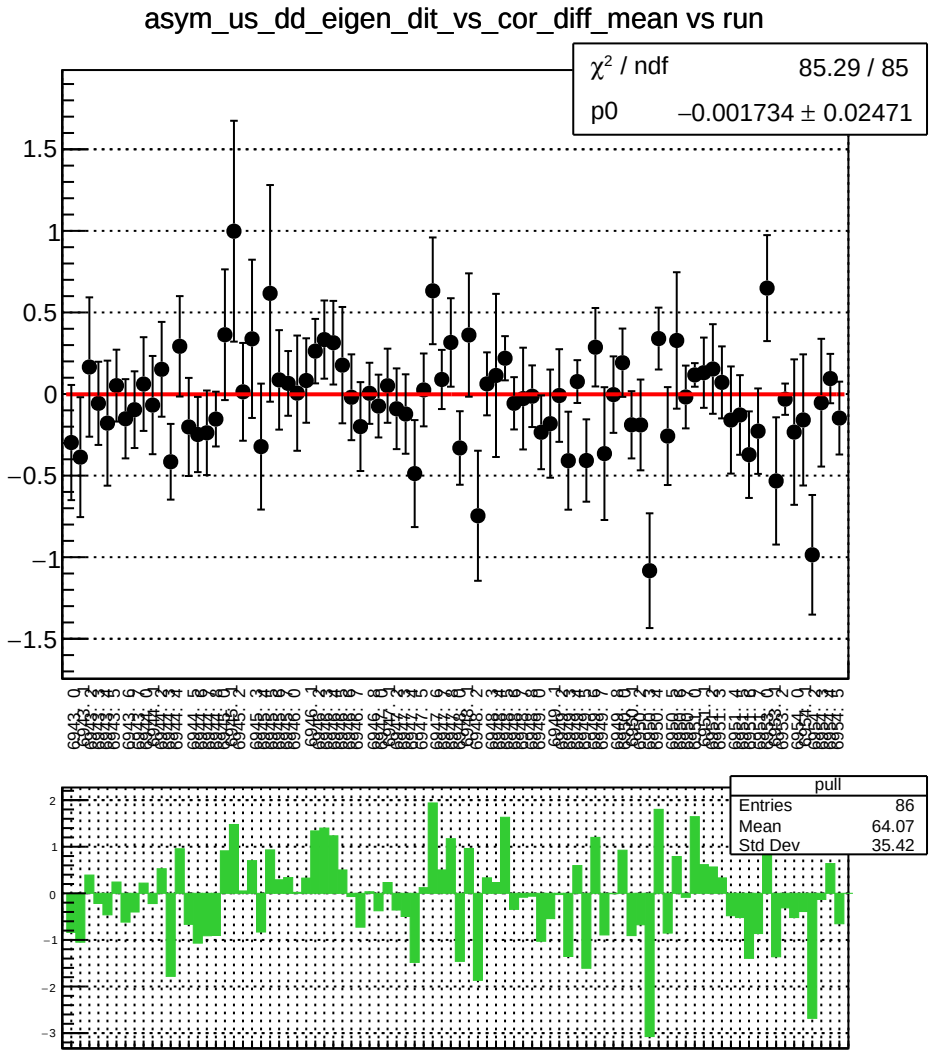

pull1D
Entries 86
Mean −0.01091
Std Dev 1.008

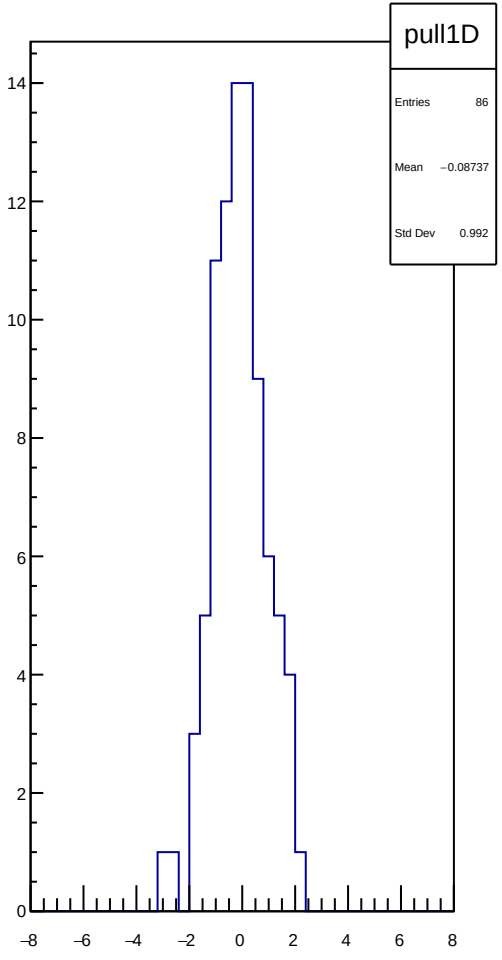

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.648e+04 / 85
p0 39.51 ± 0.03124
80
70
60
50
40
30

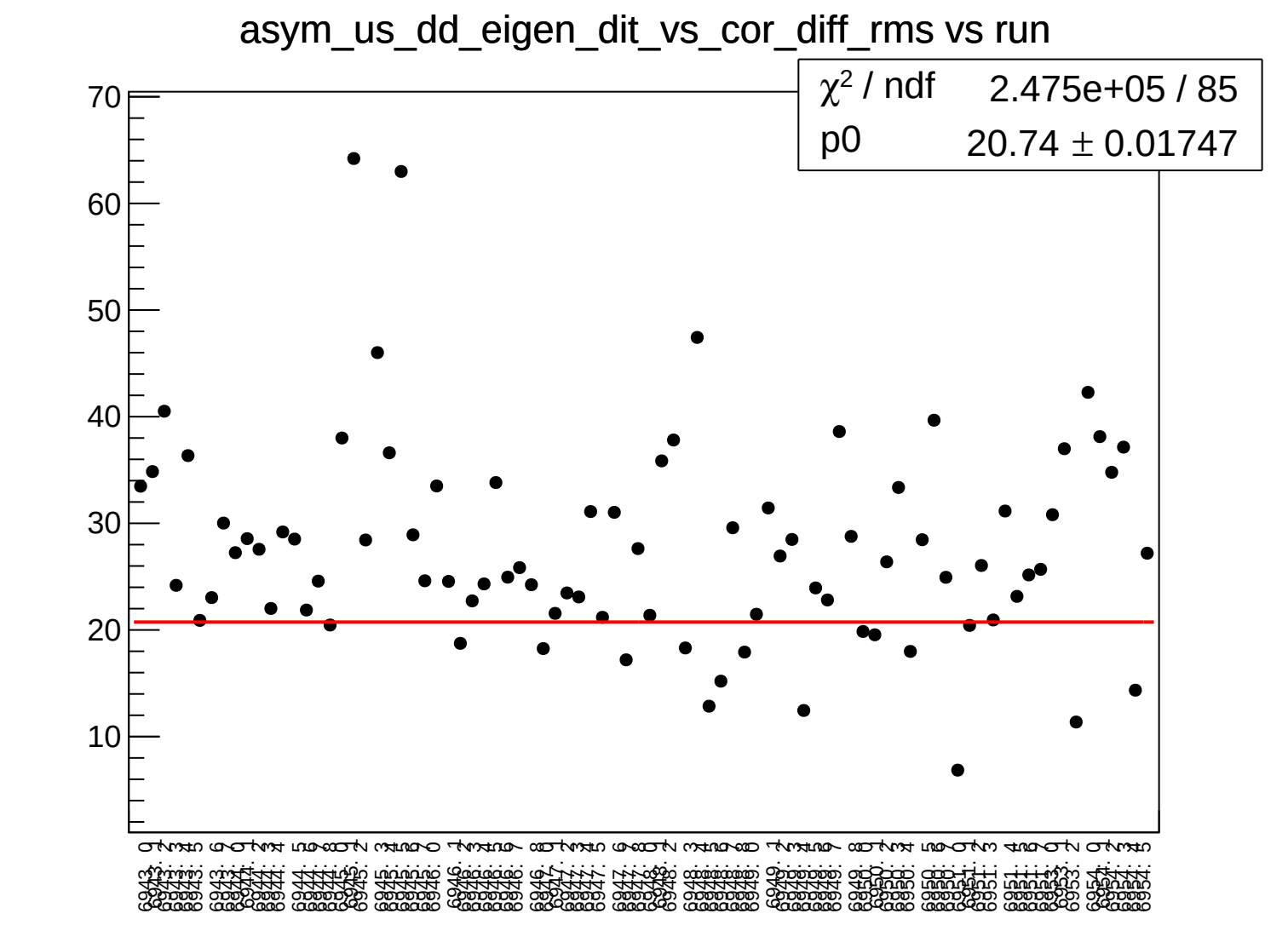

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.11 / 85
p0 −9.643e−06 ± 4.728e−06
pull
Entries 86
Mean 154.6
Std Dev 0

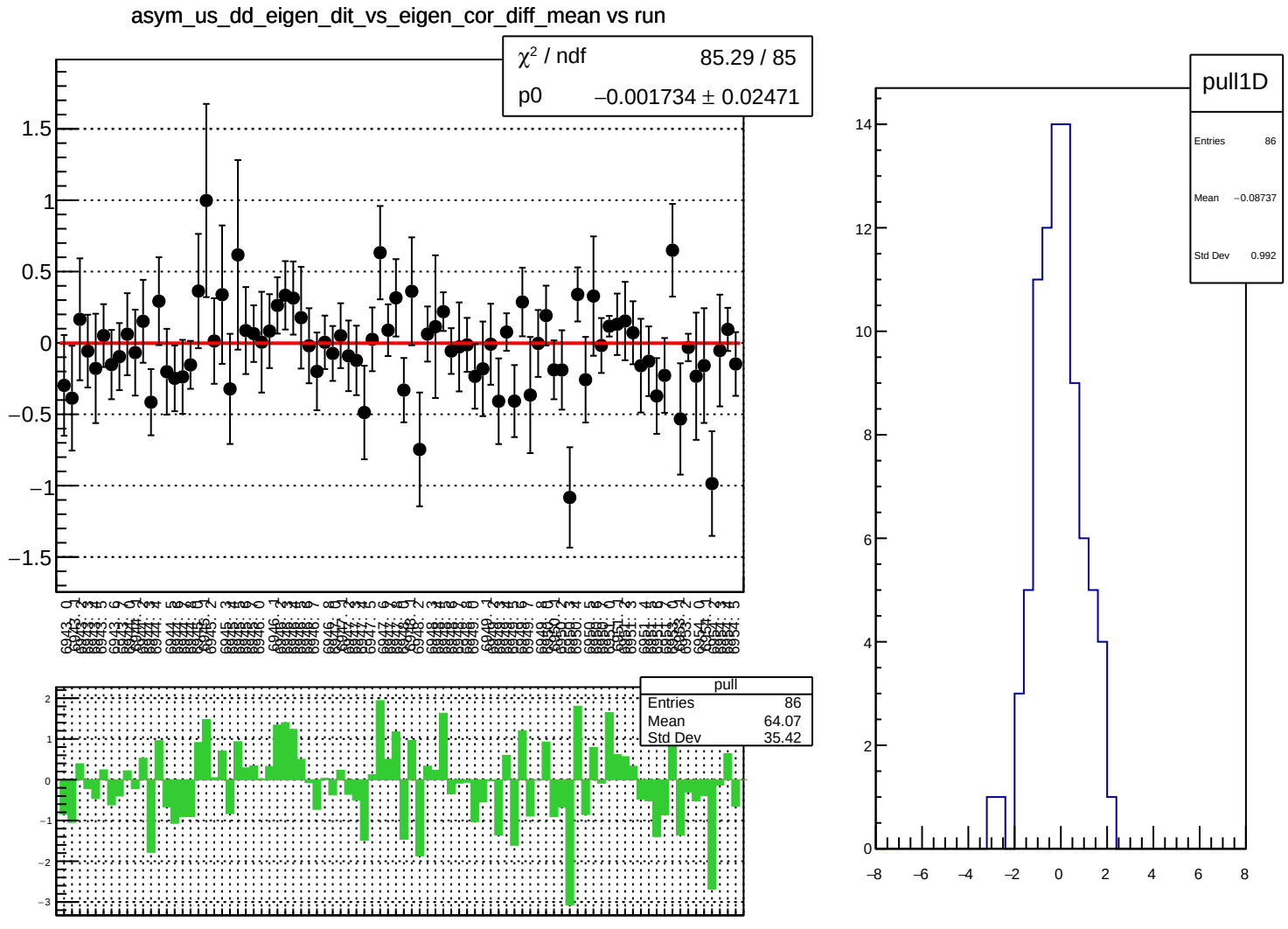

pull1D
Entries 86
Mean −0.01683
Std Dev 1.04

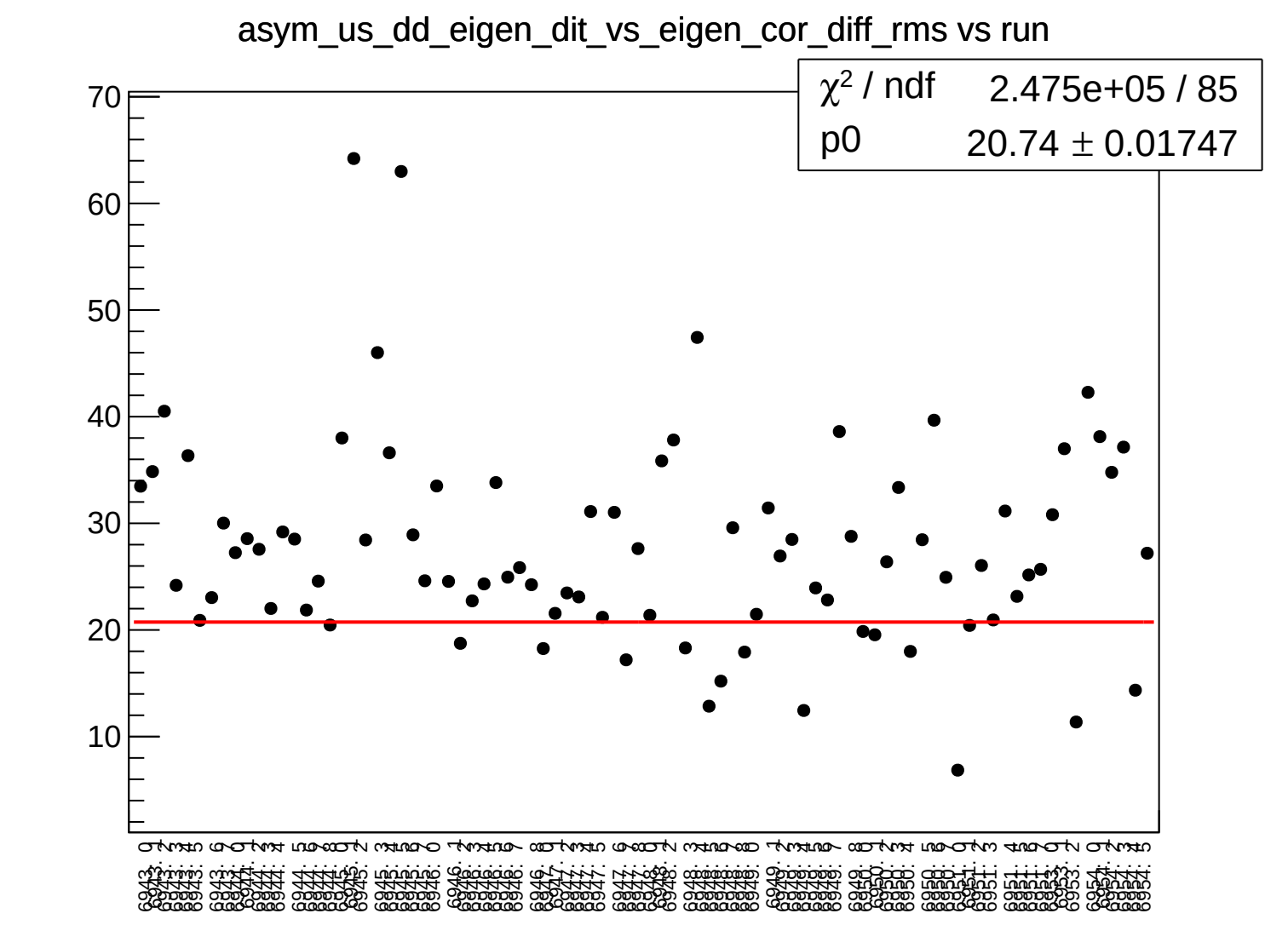

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8204 / 85
p0 0.004292 ± 3.343e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

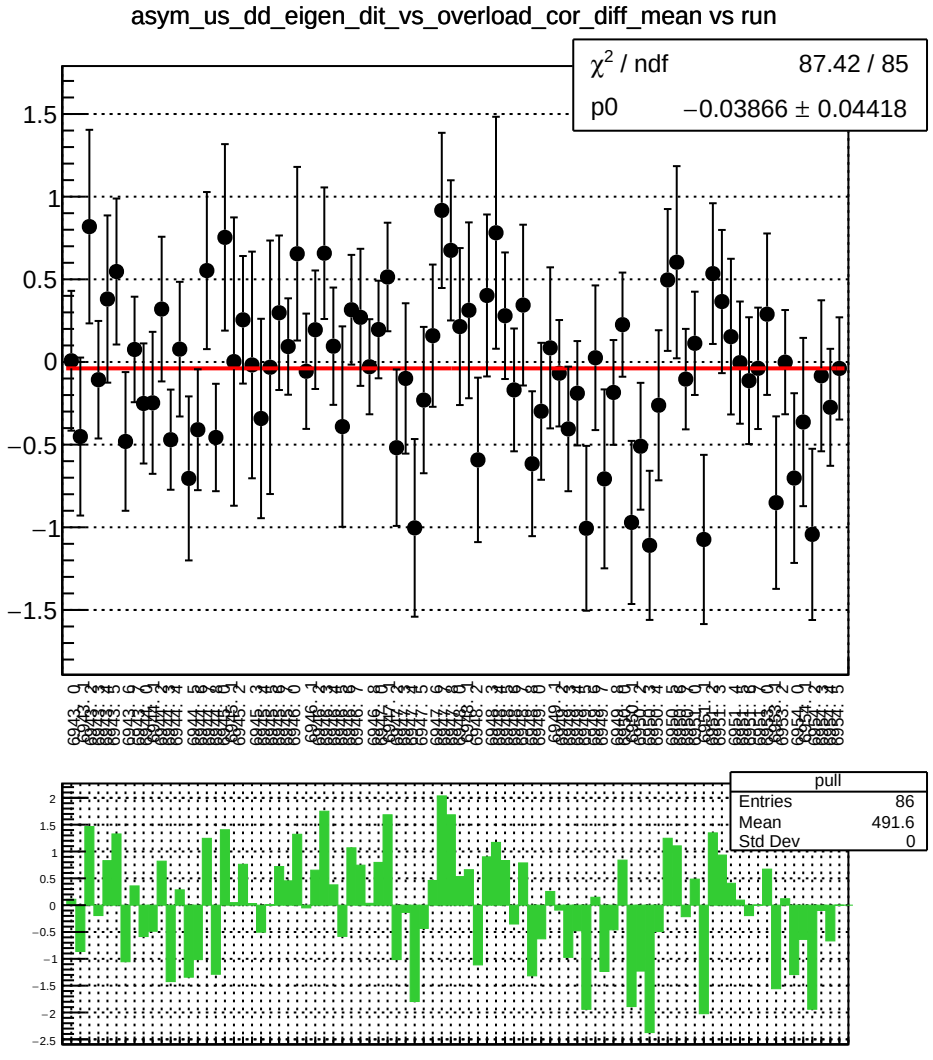

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.29 / 85
p0 −0.001734 ± 0.02471
pull
Entries 86
Mean 64.07
Std Dev 35.42

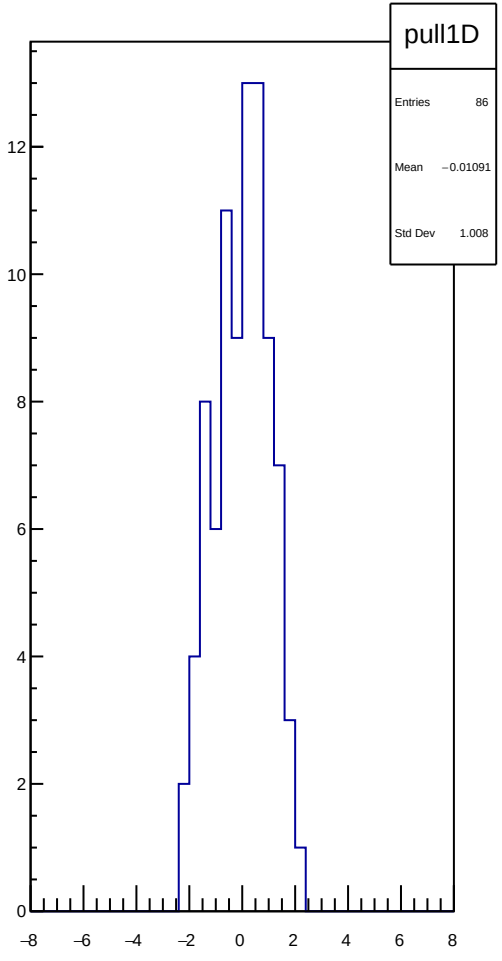

pull1D
Entries 86
Mean −0.08737
Std Dev 0.992

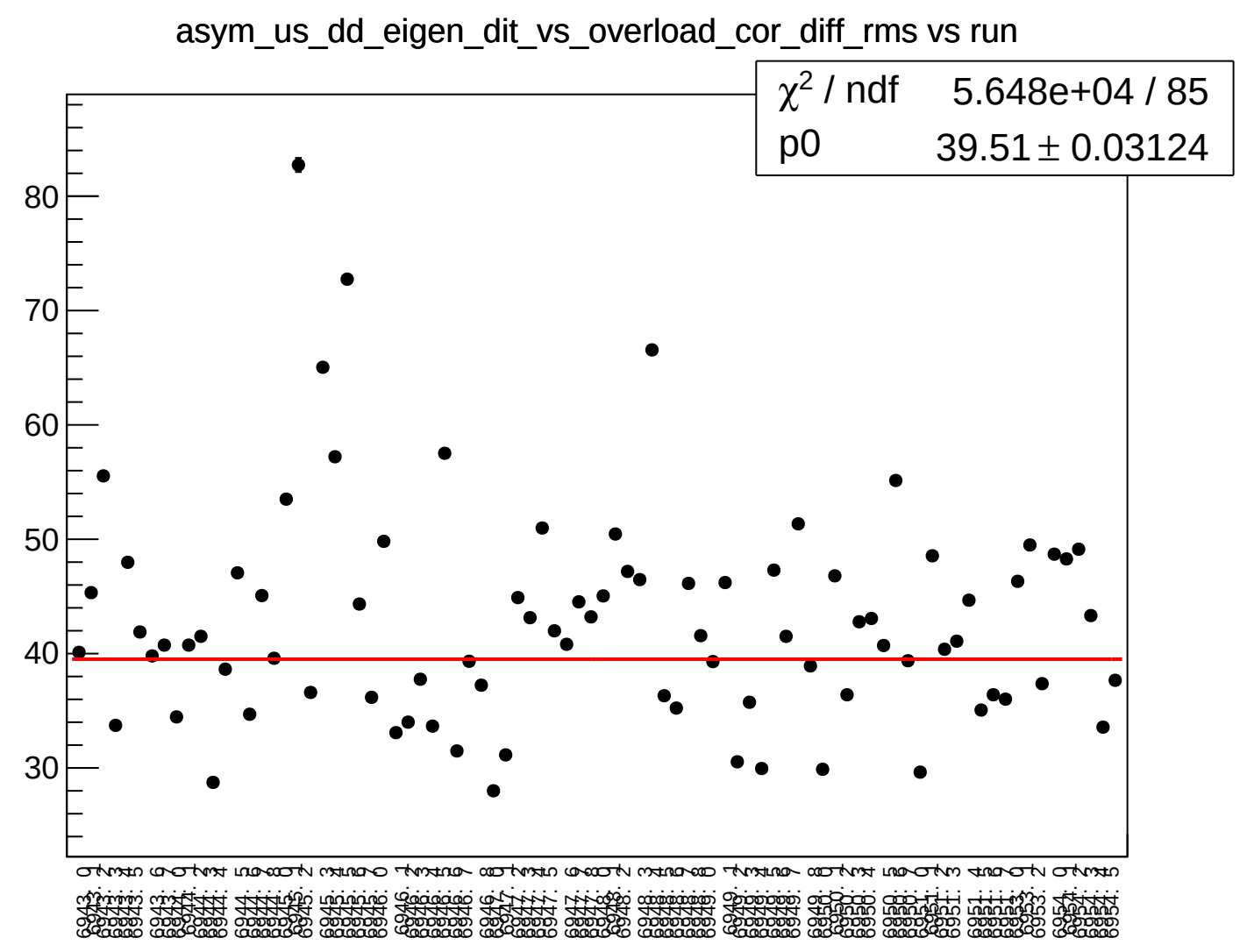

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.475e+05 / 85
p0 20.74 ± 0.01747
70
60
50
40
30
20
10

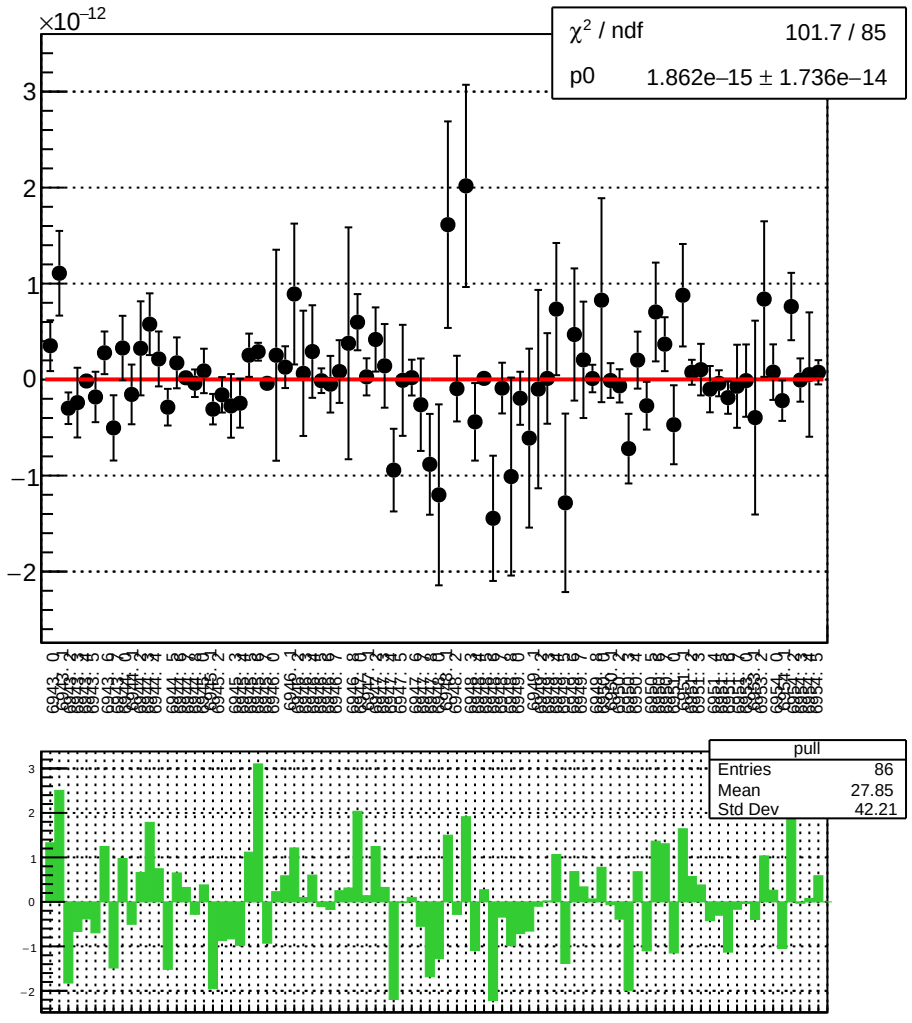

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.29 / 85
p0 −0.001734 ± 0.02471
pull
Entries 86
Mean 64.07
Std Dev 35.42
pull1D
Entries 86
Mean −0.08737
Std Dev 0.992

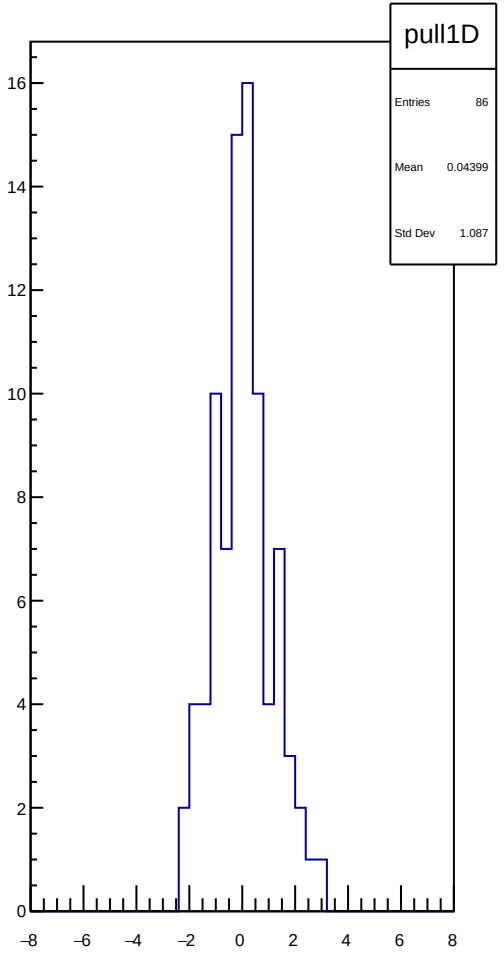

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.475e+05 / 85
p0 20.74 ± 0.01747
70
60
50
40
30
20
10

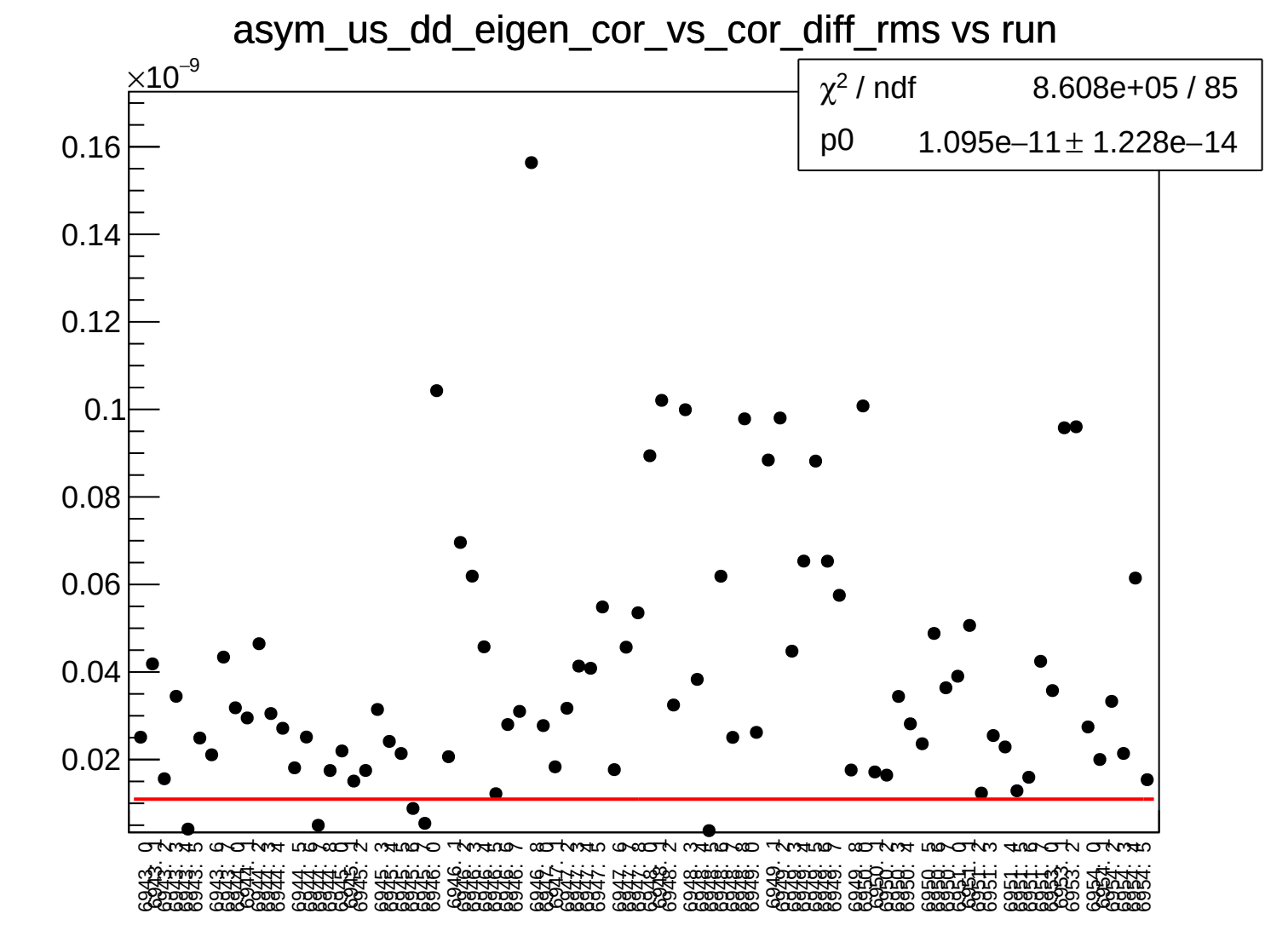

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 87.42 / 85
p0 −0.03866 ± 0.04418
pull
Entries 86
Mean 491.6
Std Dev 0

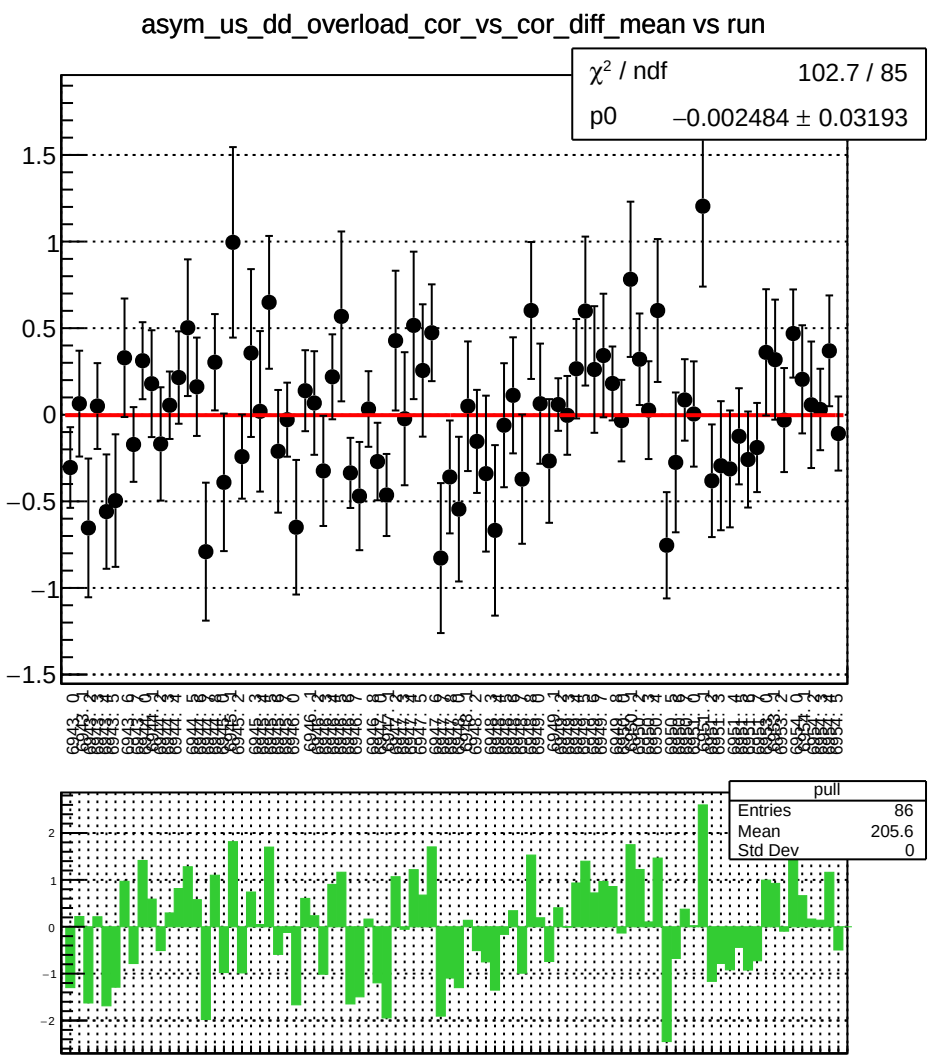

pull1D
Entries 86
Mean −0.01091
Std Dev 1.008

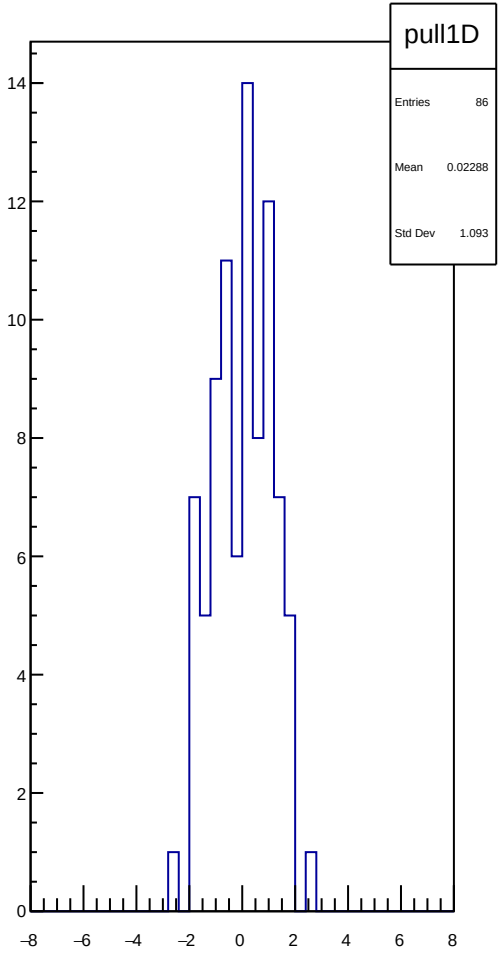

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.648e+04 / 85
p0 39.51 ± 0.03124
80
70
60
50
40
30

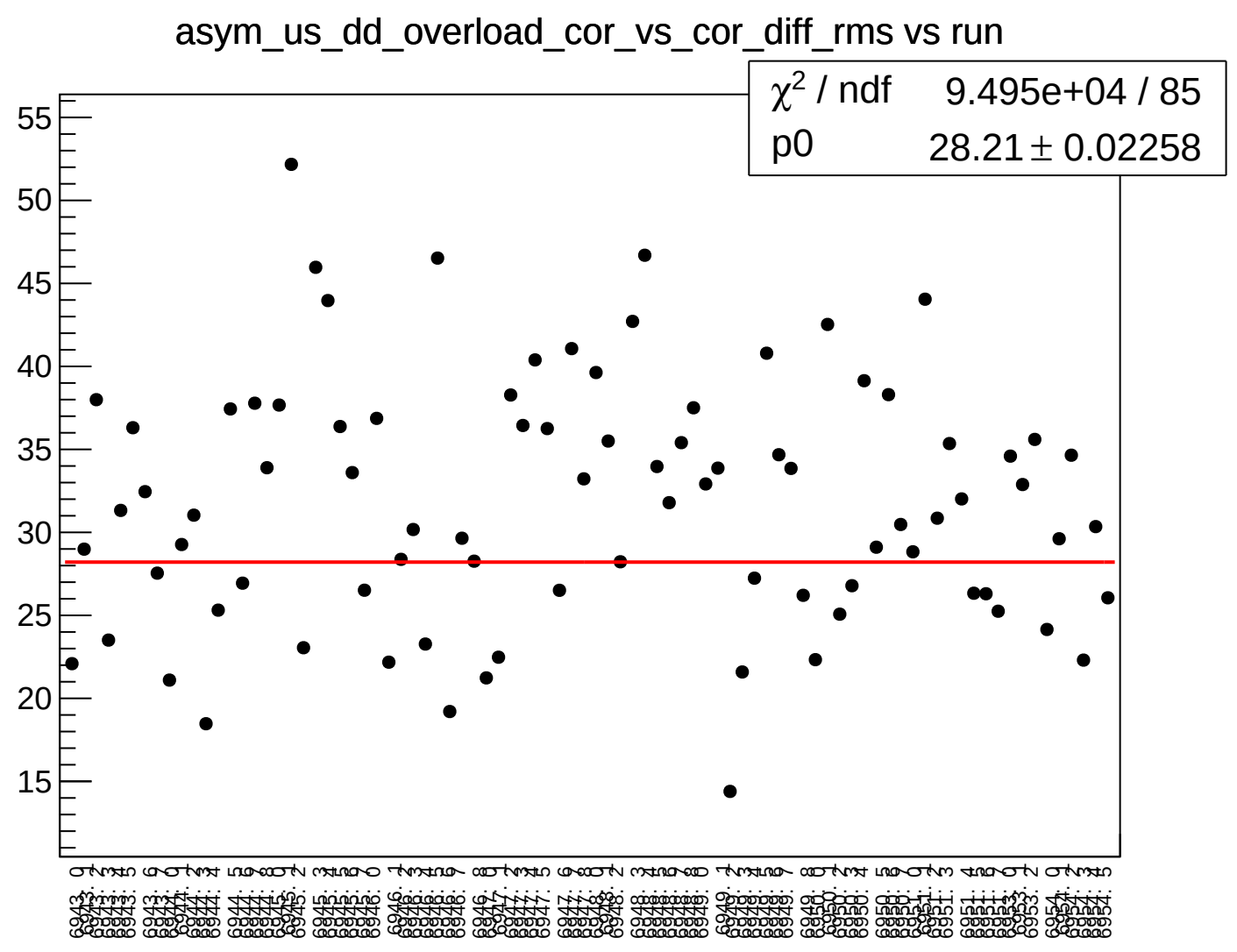

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.7 / 85
p0 1.862e−15 ± 1.736e−14
pull
Entries 86
Mean 27.85
Std Dev 42.21

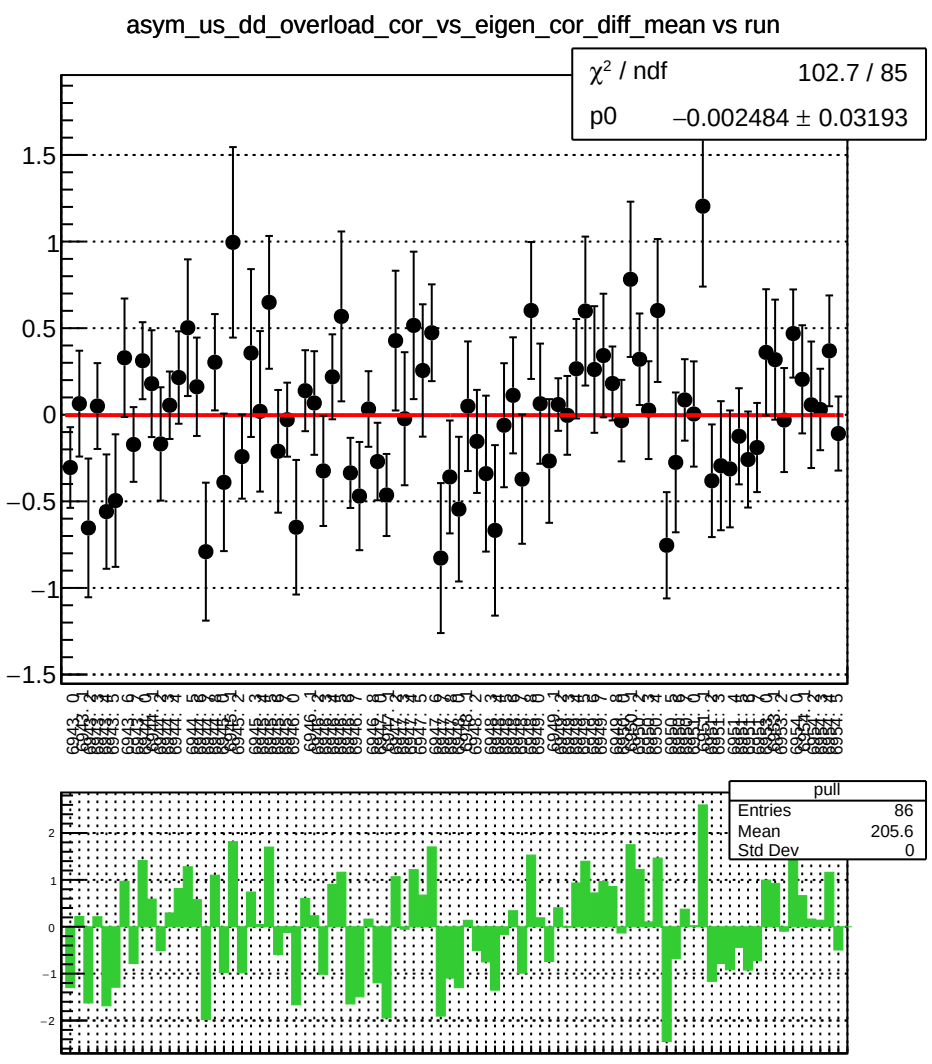

pull1D
Entries 86
Mean 0.04399
Std Dev 1.087

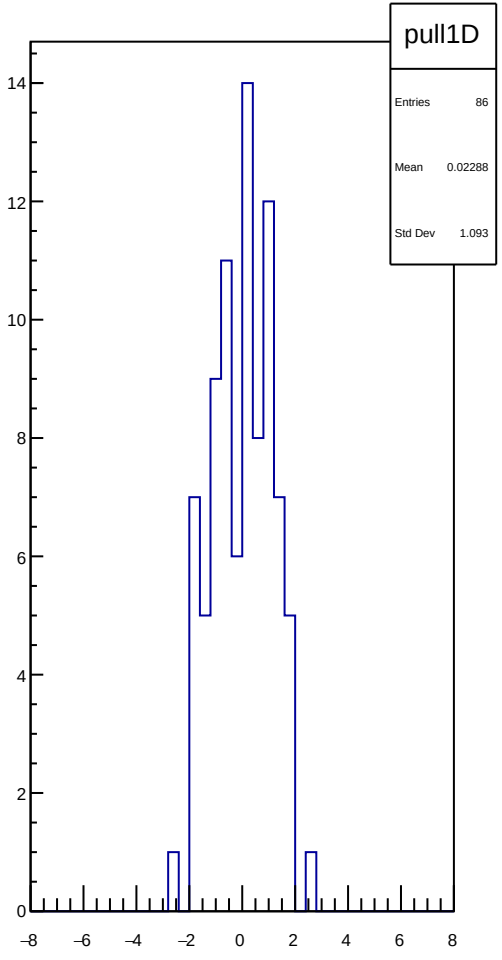

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.608e+05 / 85
p0 1.095e−11 ± 1.228e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

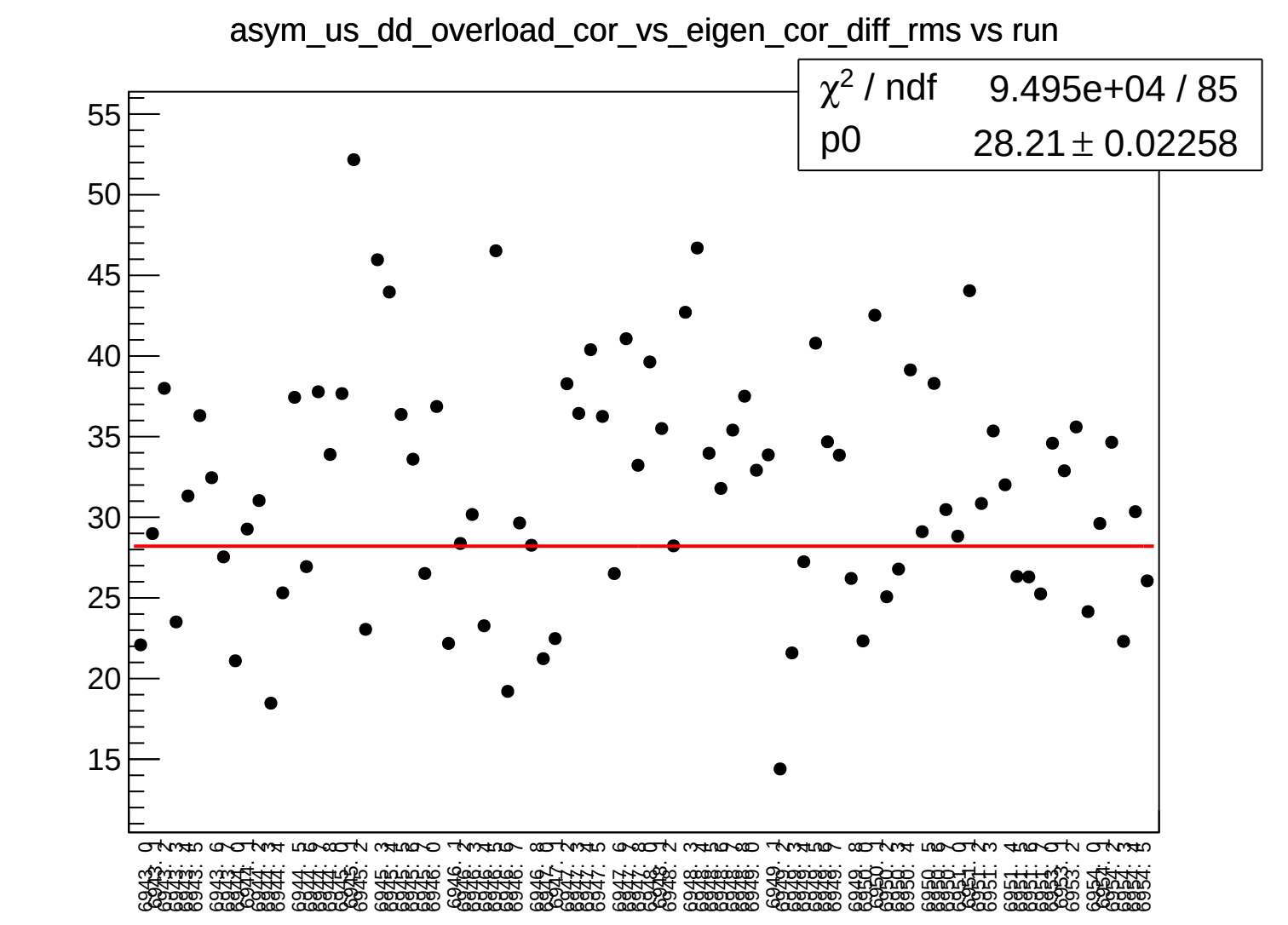

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.002484 ± 0.03193
pull
Entries 86
Mean 205.6
Std Dev 0

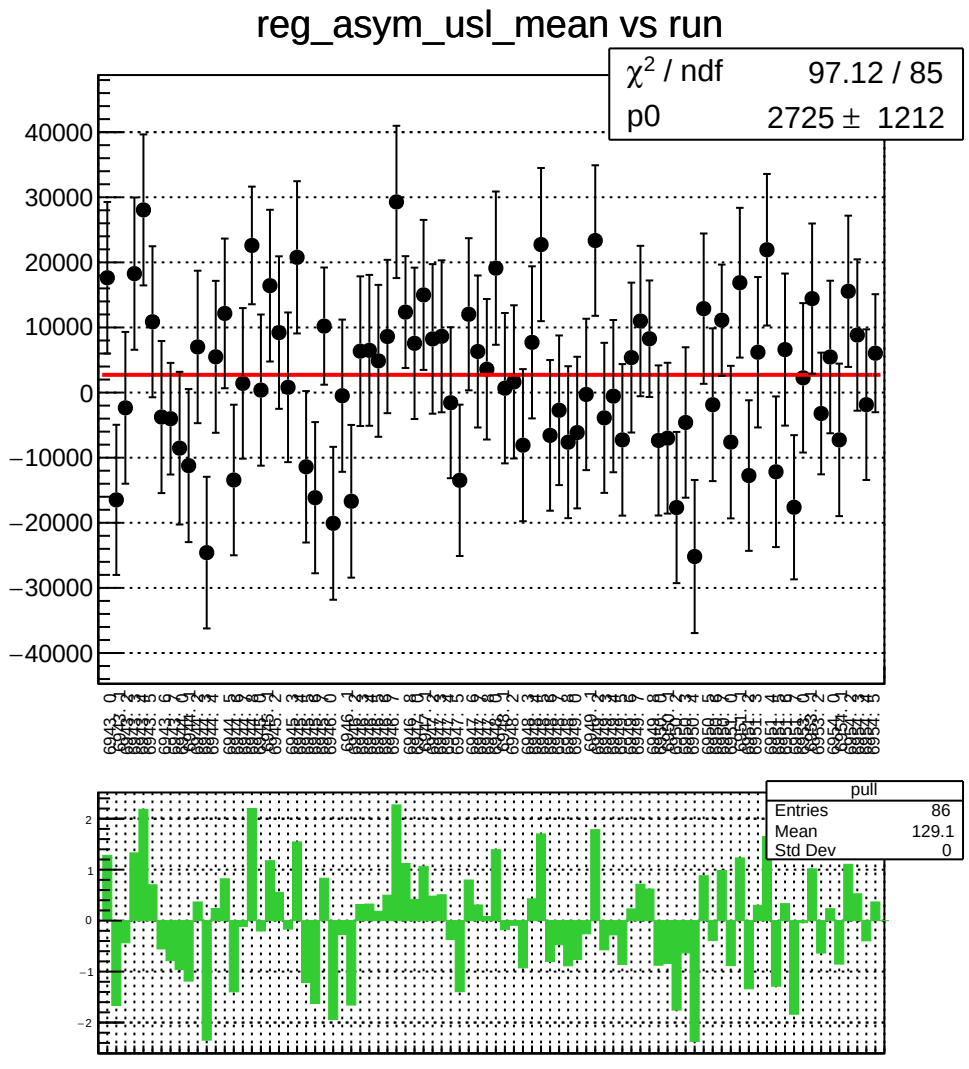

pull1D
Entries 86
Mean 0.02288
Std Dev 1.093

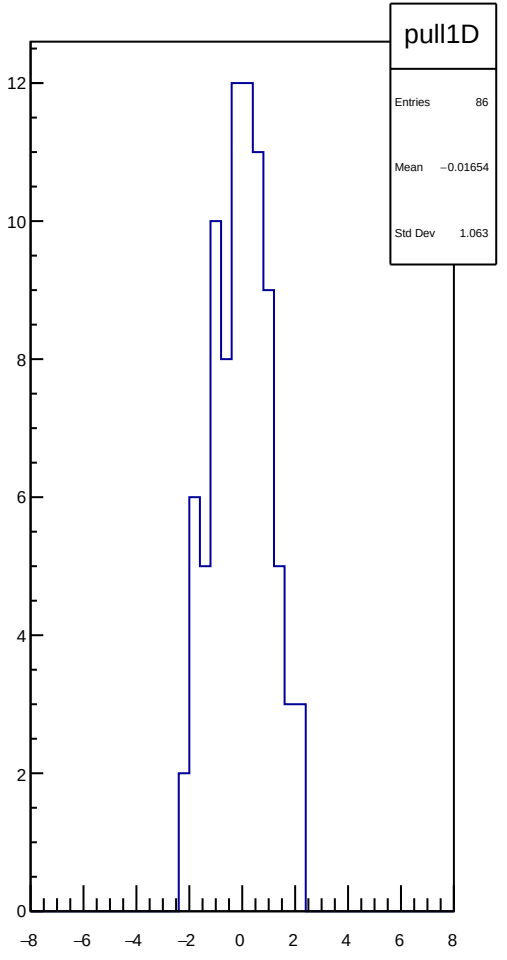

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 9.495e+04 / 85
p0 28.21 ± 0.02258
55
50
45
40
35
30
25
20
15

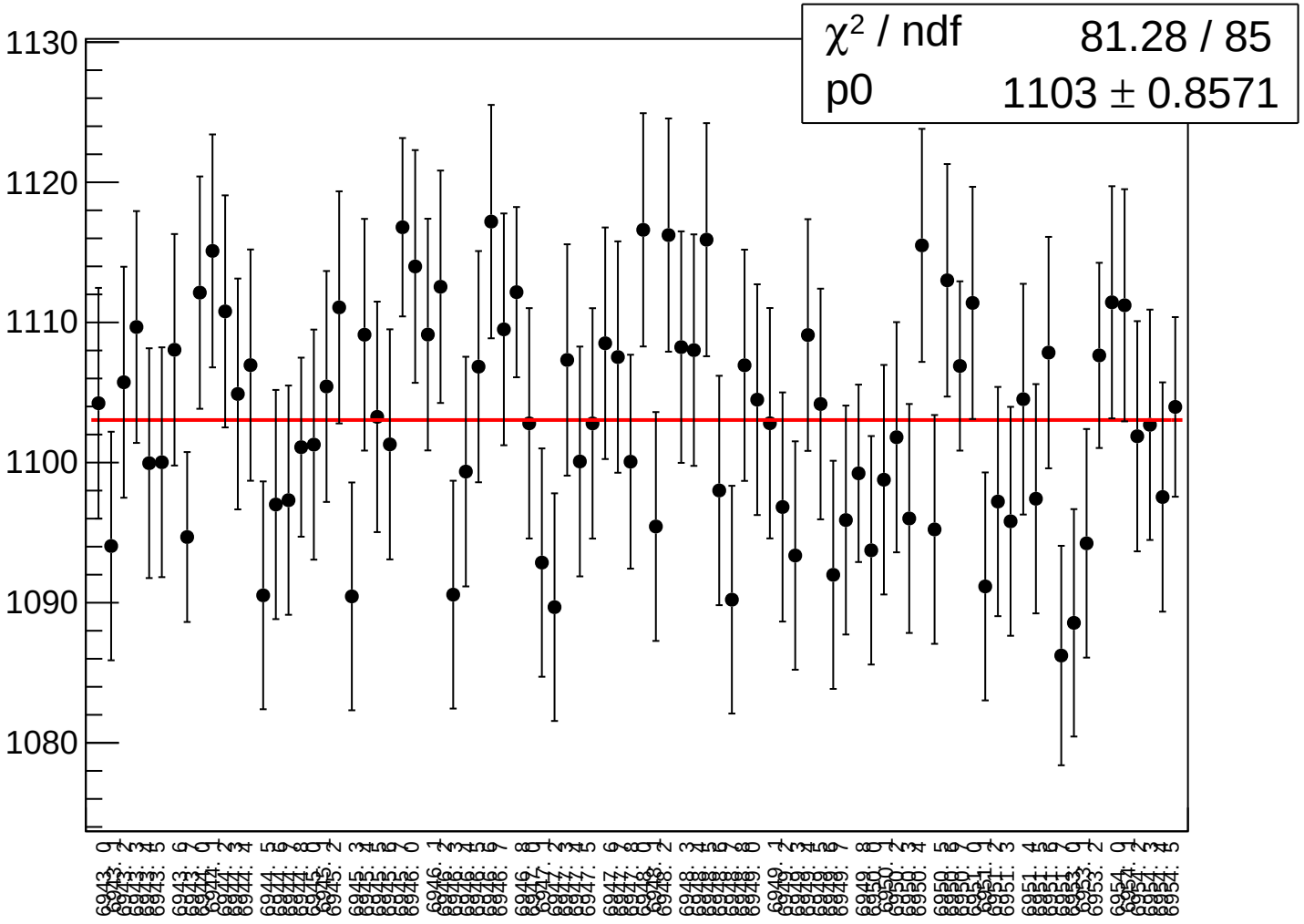

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.002484 ± 0.03193
pull
Entries 86
Mean 205.6
Std Dev 0

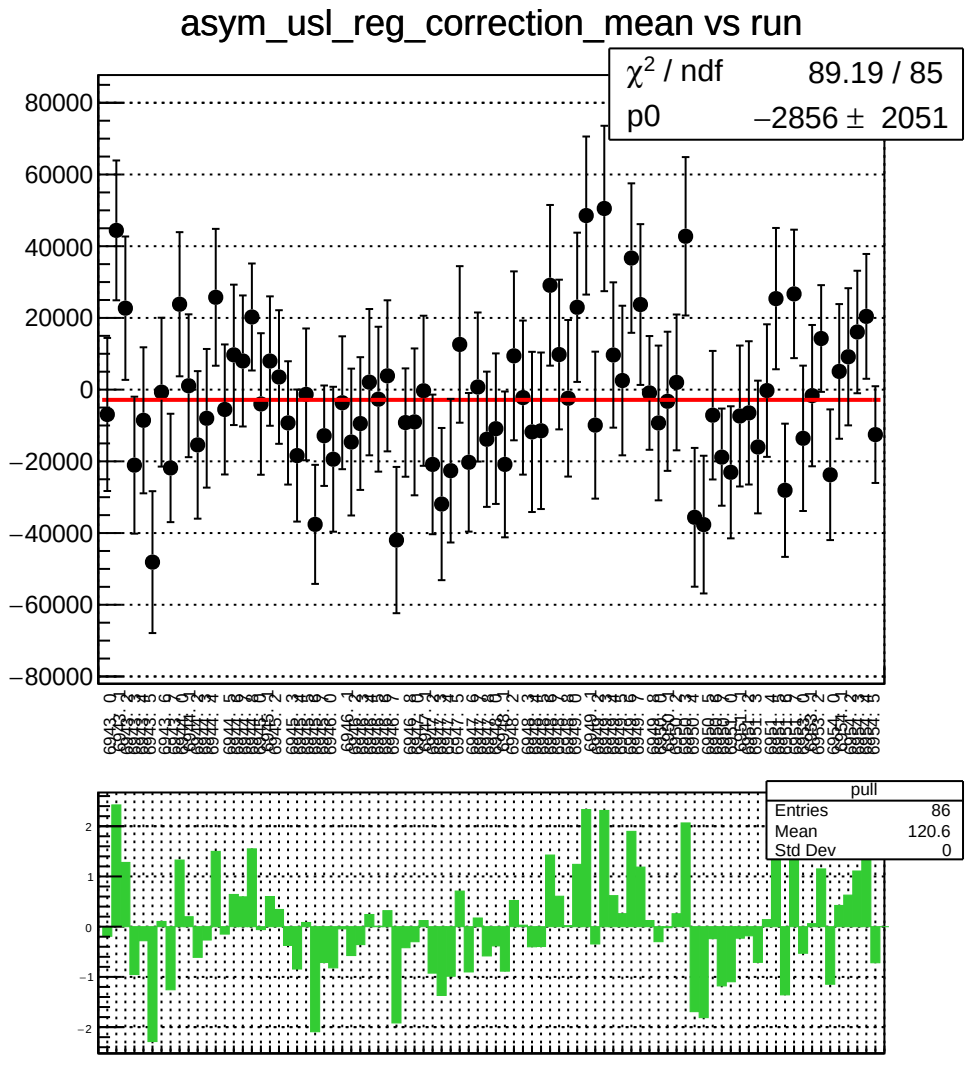

pull1D
Entries 86
Mean 0.02288
Std Dev 1.093

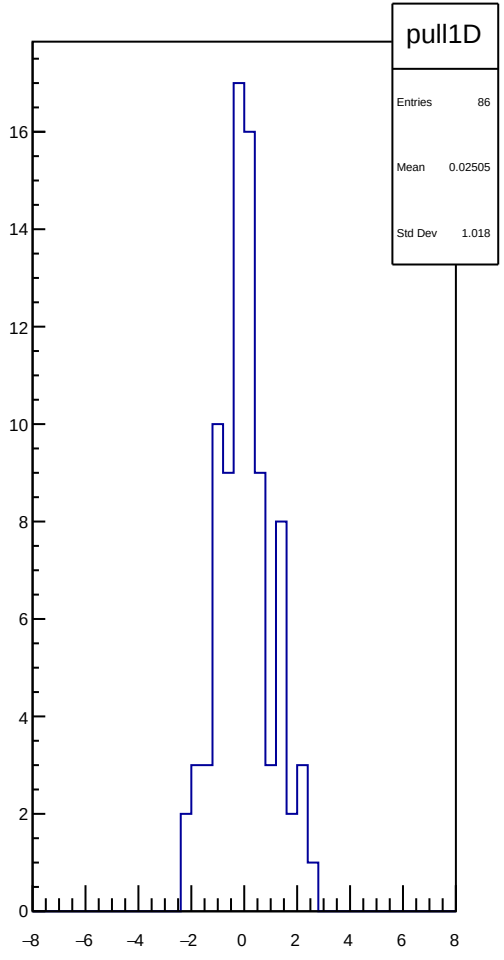

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.495e+04 / 85
p0 28.21 ± 0.02258
55
50
45
40
35
30
25
20
15

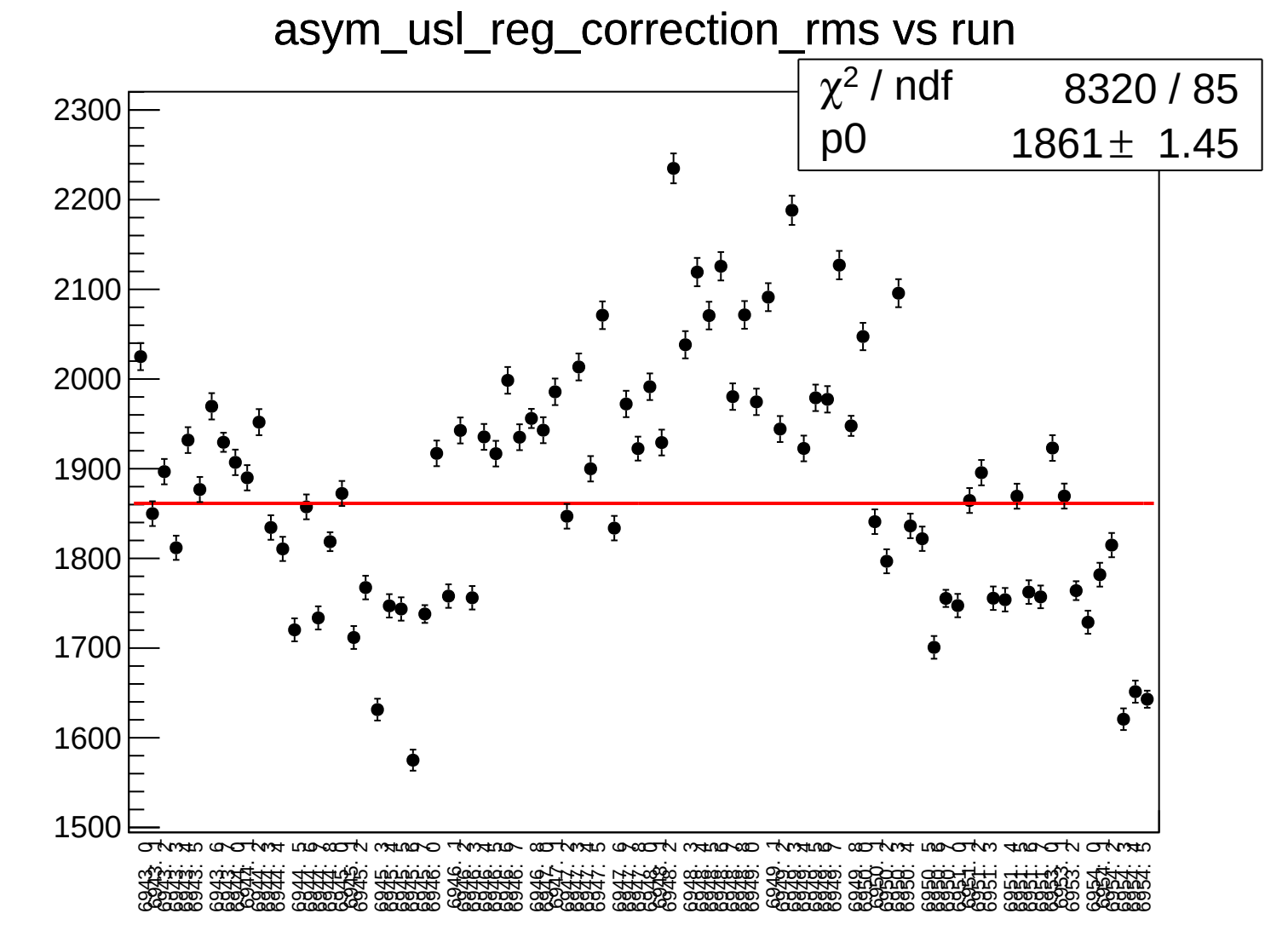

reg_asym_usl_mean vs run
χ² / ndf 97.12 / 85
p0 2725 ± 1212
pull
Entries 86
Mean 129.1
Std Dev 0

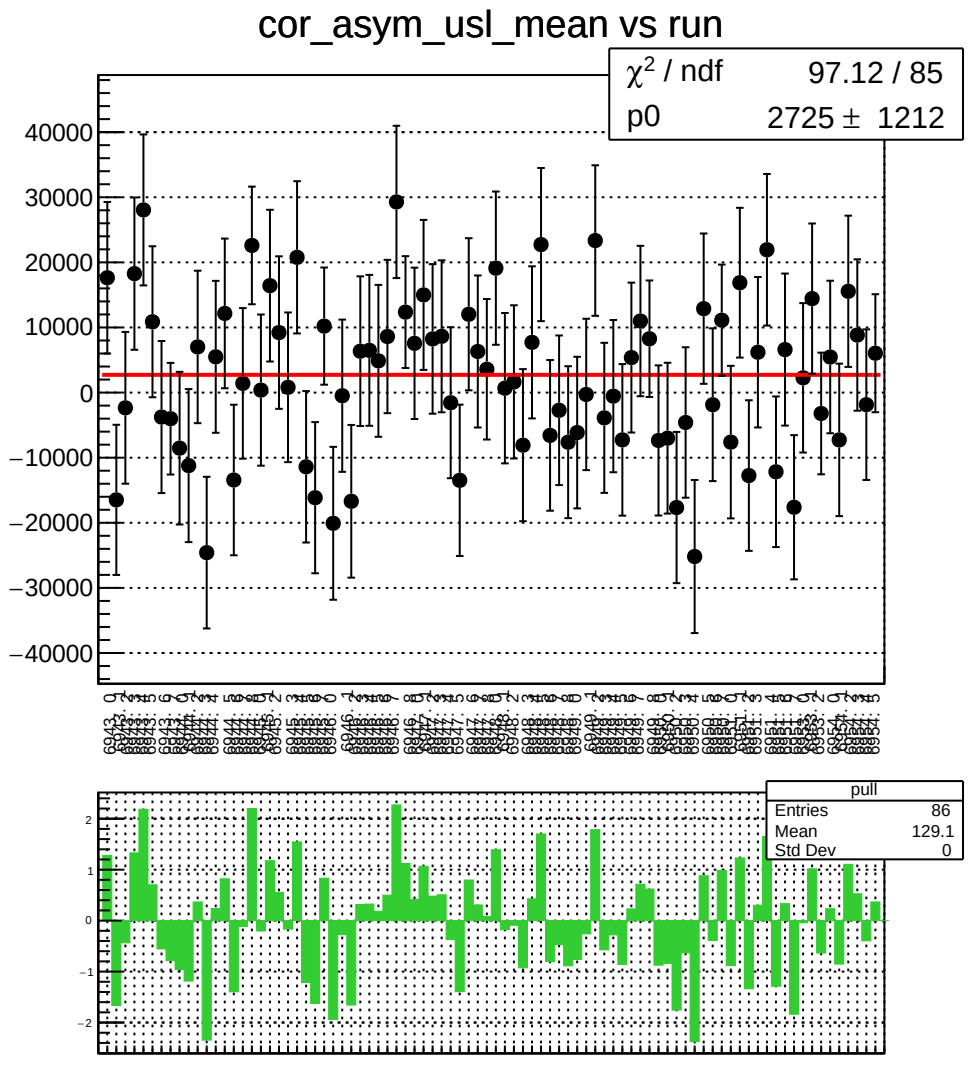

pull1D
Entries 86
Mean −0.01654
Std Dev 1.063

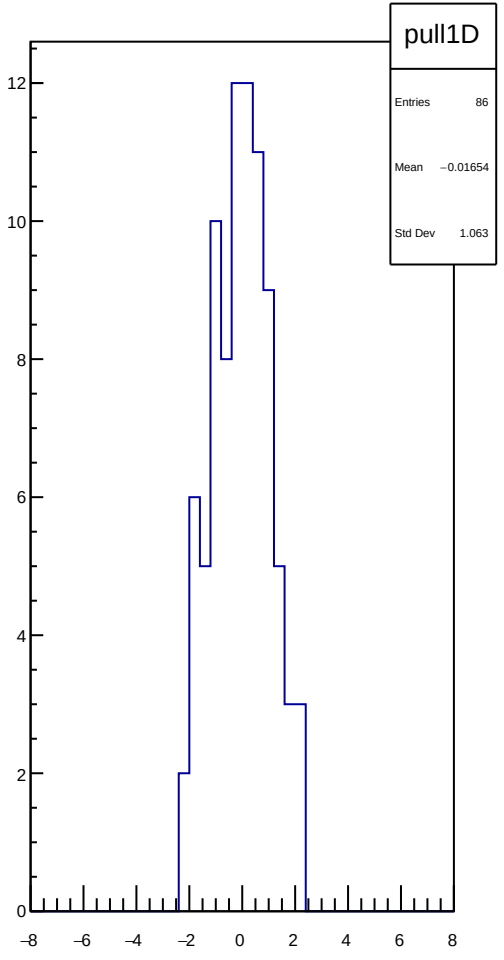

reg_asym_usl_rms vs run
χ² / ndf 81.28 / 85
p0 1103 ± 0.8571
1130
1120
1110
1100
1090
1080

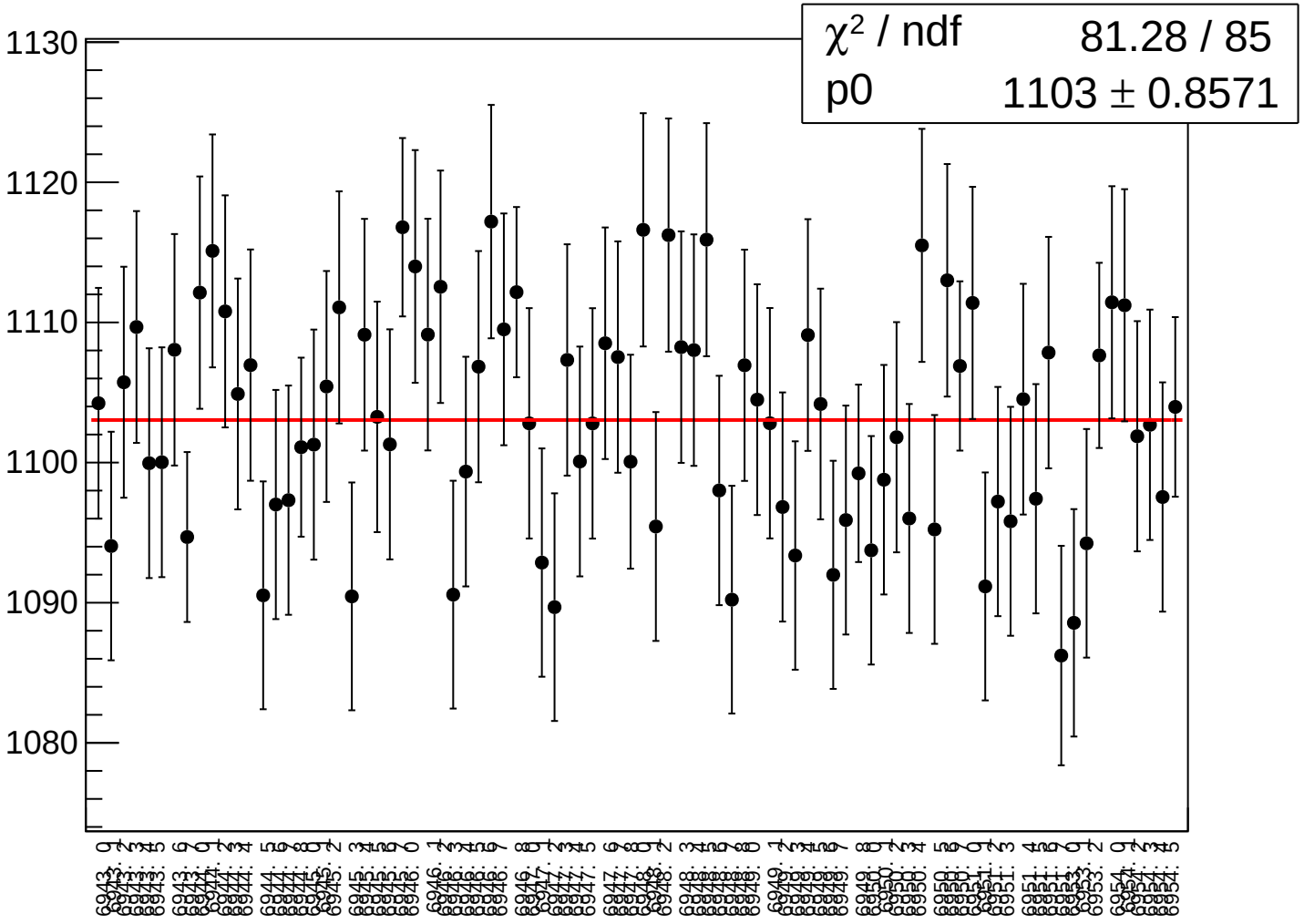

asym_usl_reg_correction_mean vs run
χ² / ndf 89.19 / 85
p0 −2856 ± 2051
pull
Entries 86
Mean 120.6
Std Dev 0

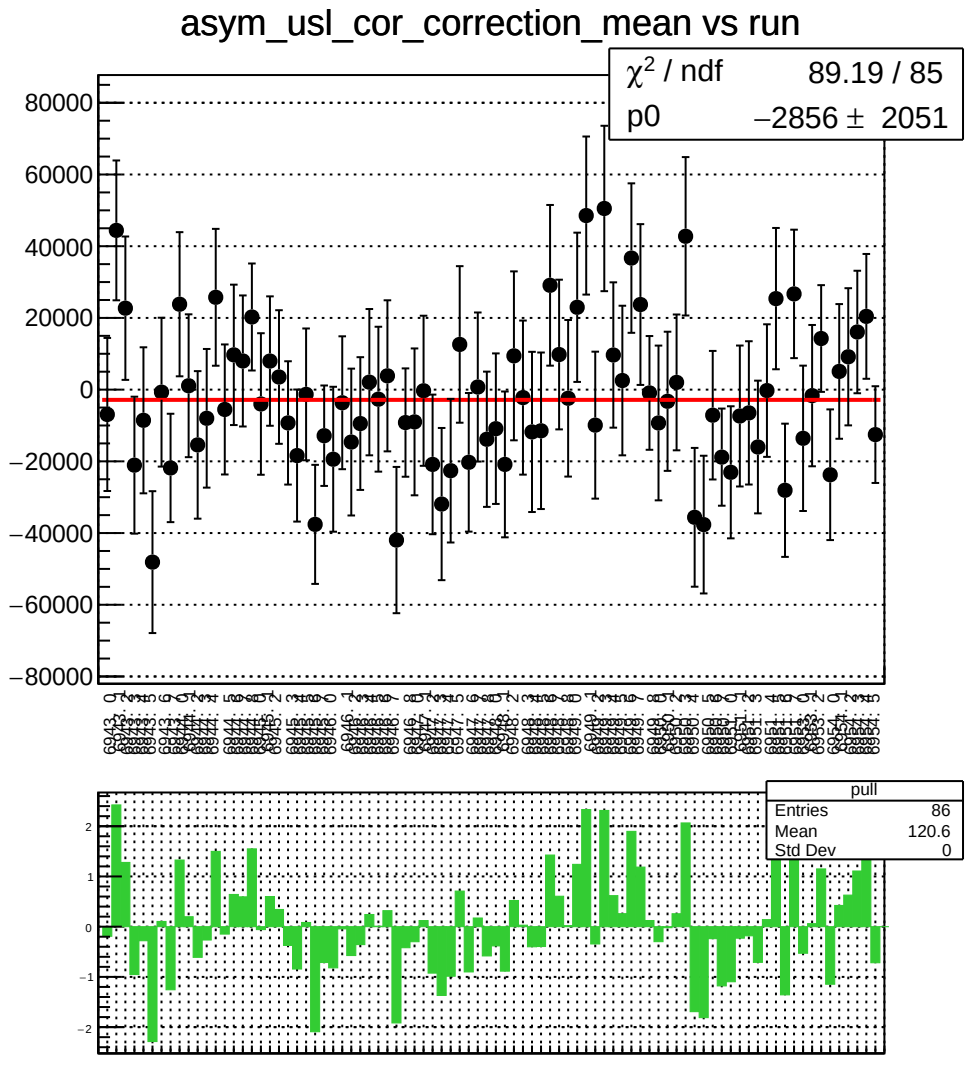

pull1D
Entries 86
Mean 0.02505
Std Dev 1.018

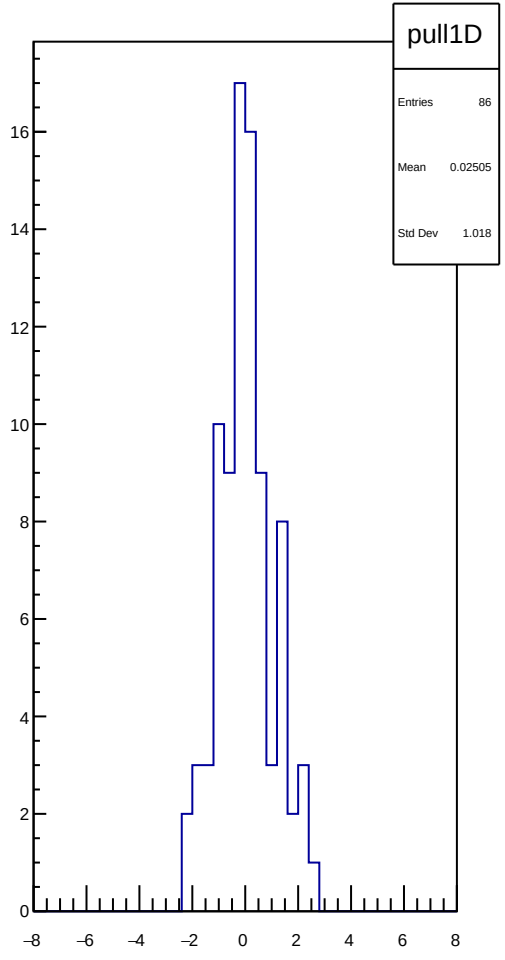

asym_usl_reg_correction_rms vs run
χ² / ndf 8320 / 85
p0 1861 ± 1.45
2300
2200
2100
2000
1900
1800
1700
1600
1500

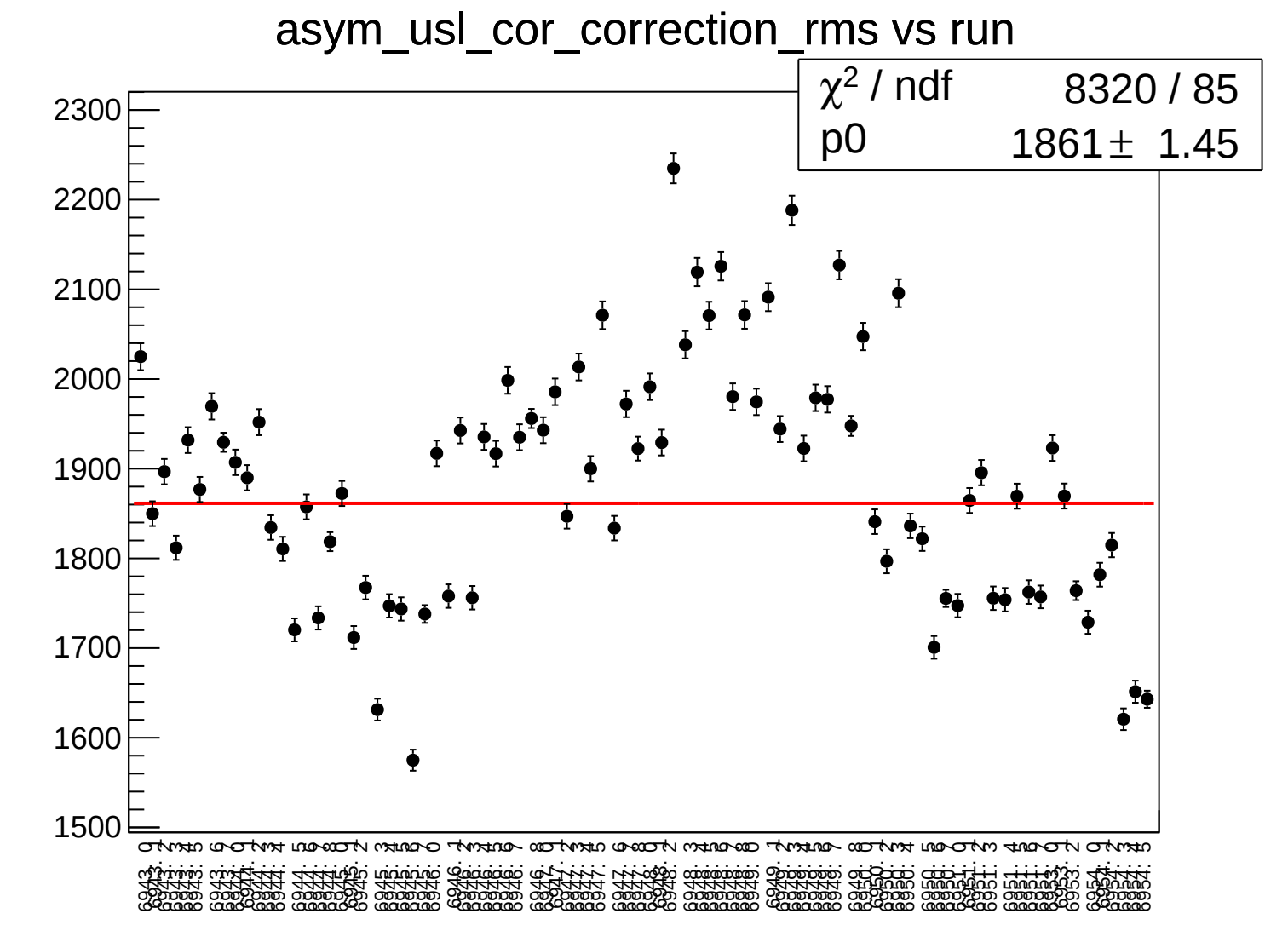

cor_asym_usl_mean vs run
χ² / ndf 97.12 / 85
p0 2725 ± 1212
pull
Entries 86
Mean 129.1
Std Dev 0

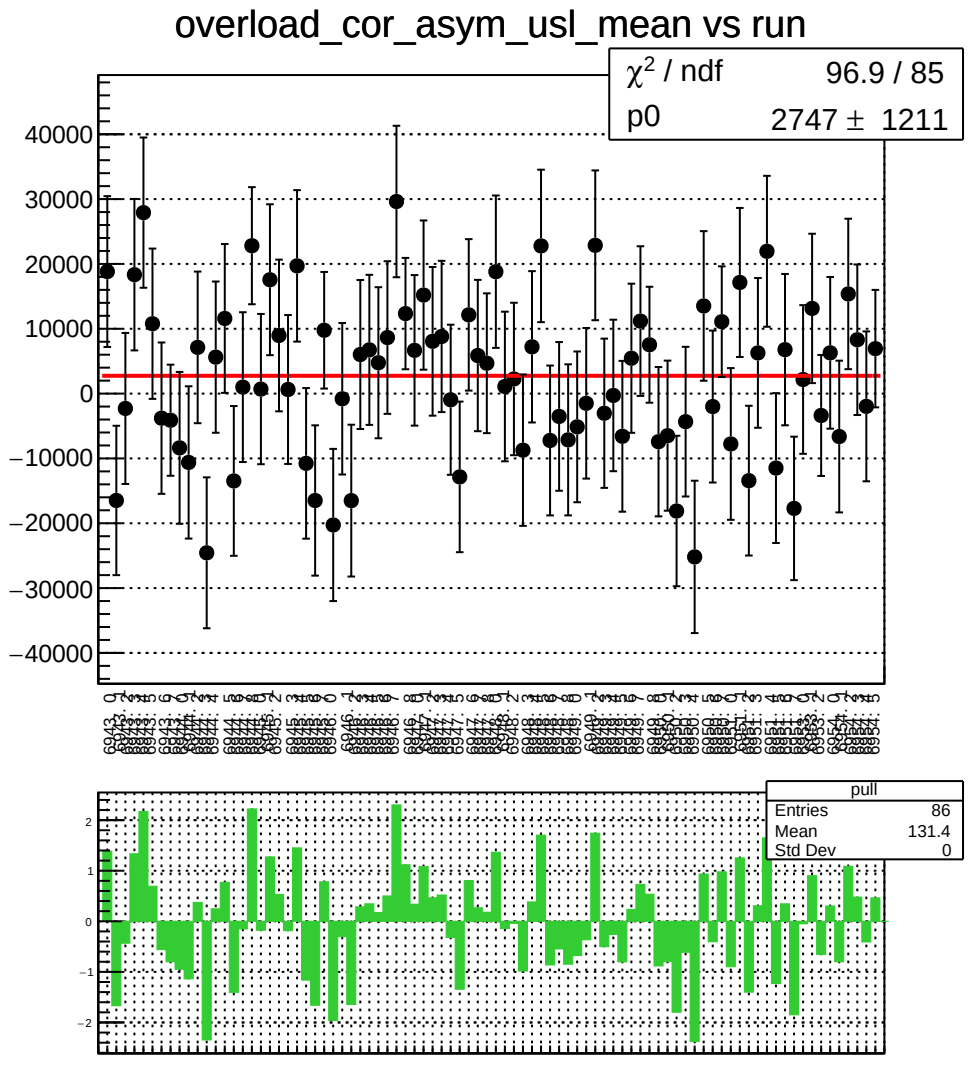

pull1D
Entries 86
Mean −0.01654
Std Dev 1.063

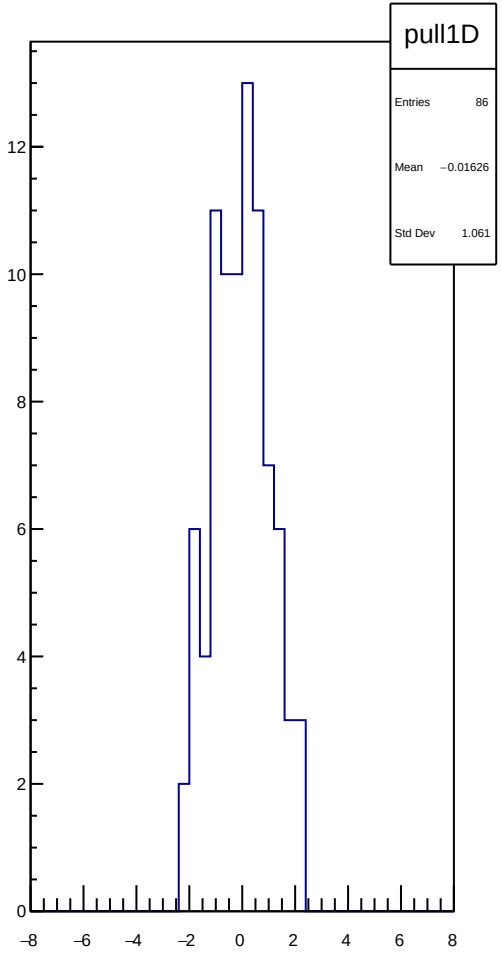

cor_asym_usl_rms vs run
χ² / ndf 81.28 / 85
p0 1103 ± 0.8571
1130
1120
1110
1100
1090
1080

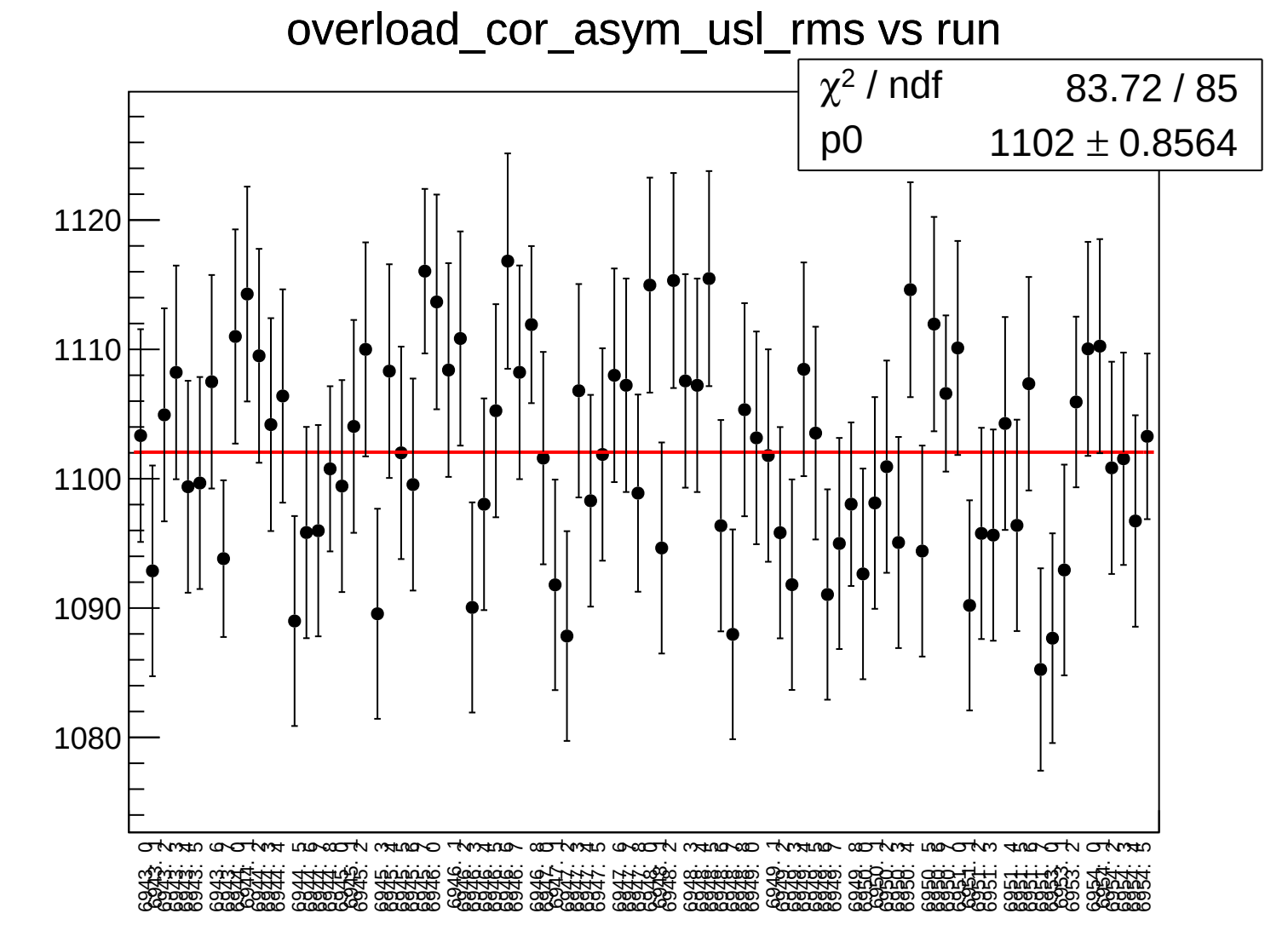

asym_usl_cor_correction_mean vs run
χ² / ndf 89.19 / 85
p0 −2856 ± 2051
pull
Entries 86
Mean 120.6
Std Dev 0

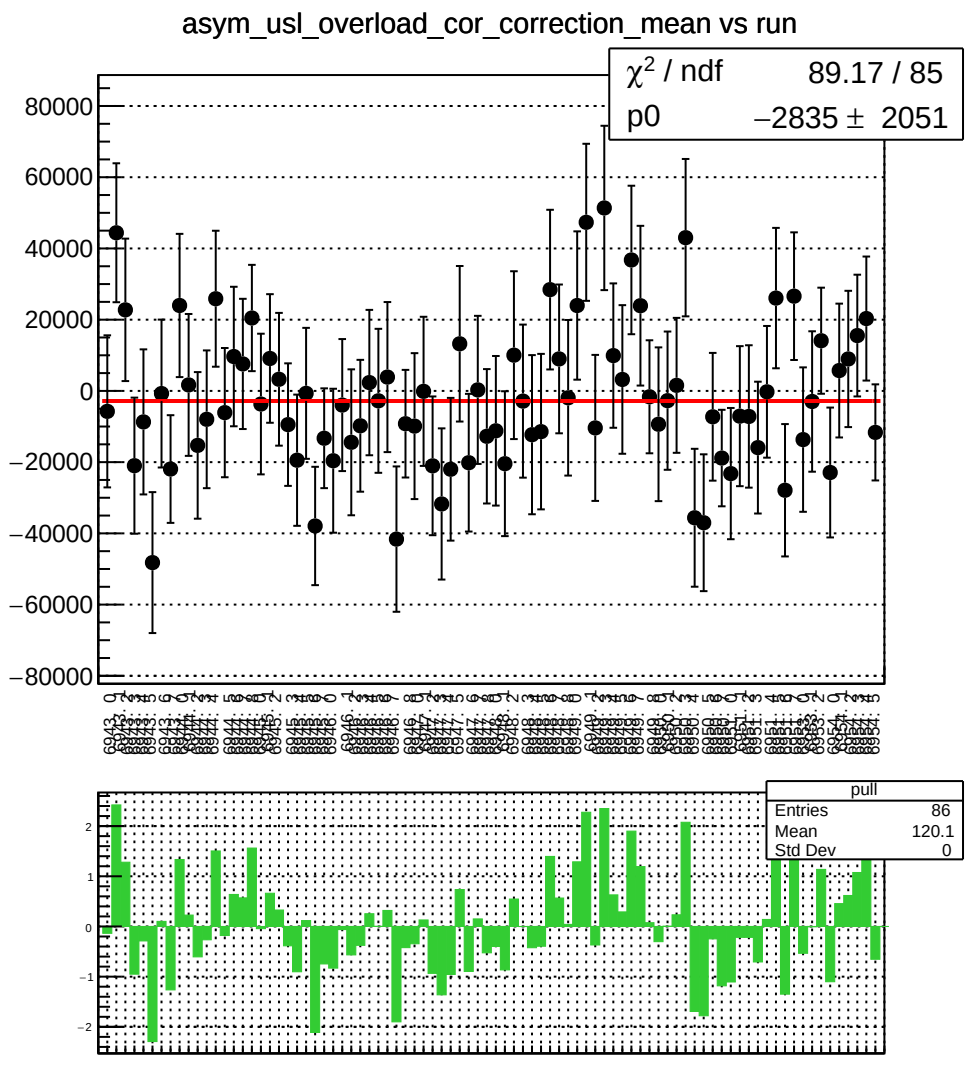

pull1D
Entries 86
Mean 0.02505
Std Dev 1.018

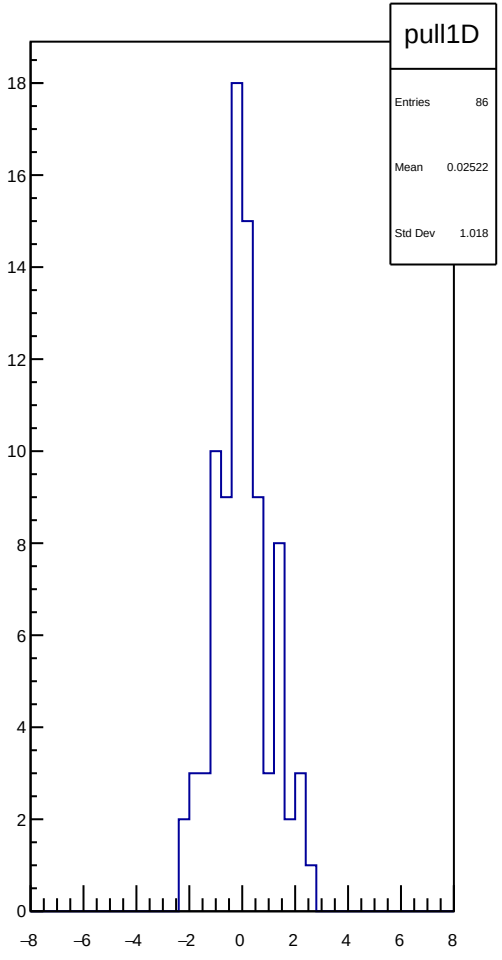

asym_usl_cor_correction_rms vs run
χ² / ndf 8320 / 85
p0 1861 ± 1.45
2300
2200
2100
2000
1900
1800
1700
1600
1500

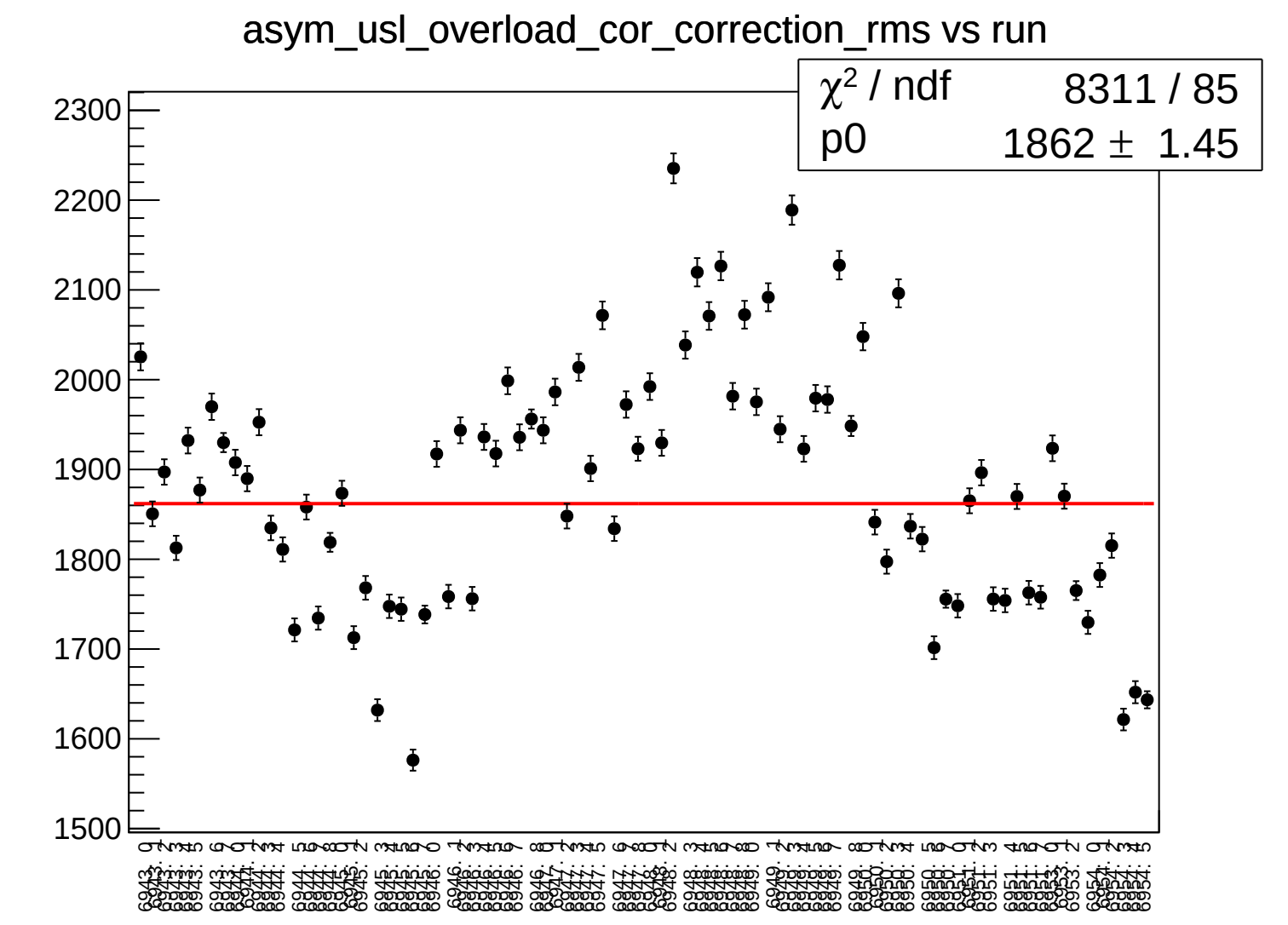

overload_cor_asym_usl_mean vs run
χ² / ndf 96.9 / 85
p0 2747 ± 1211
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 131.4
Std Dev 0
2
1
0
−1
−2

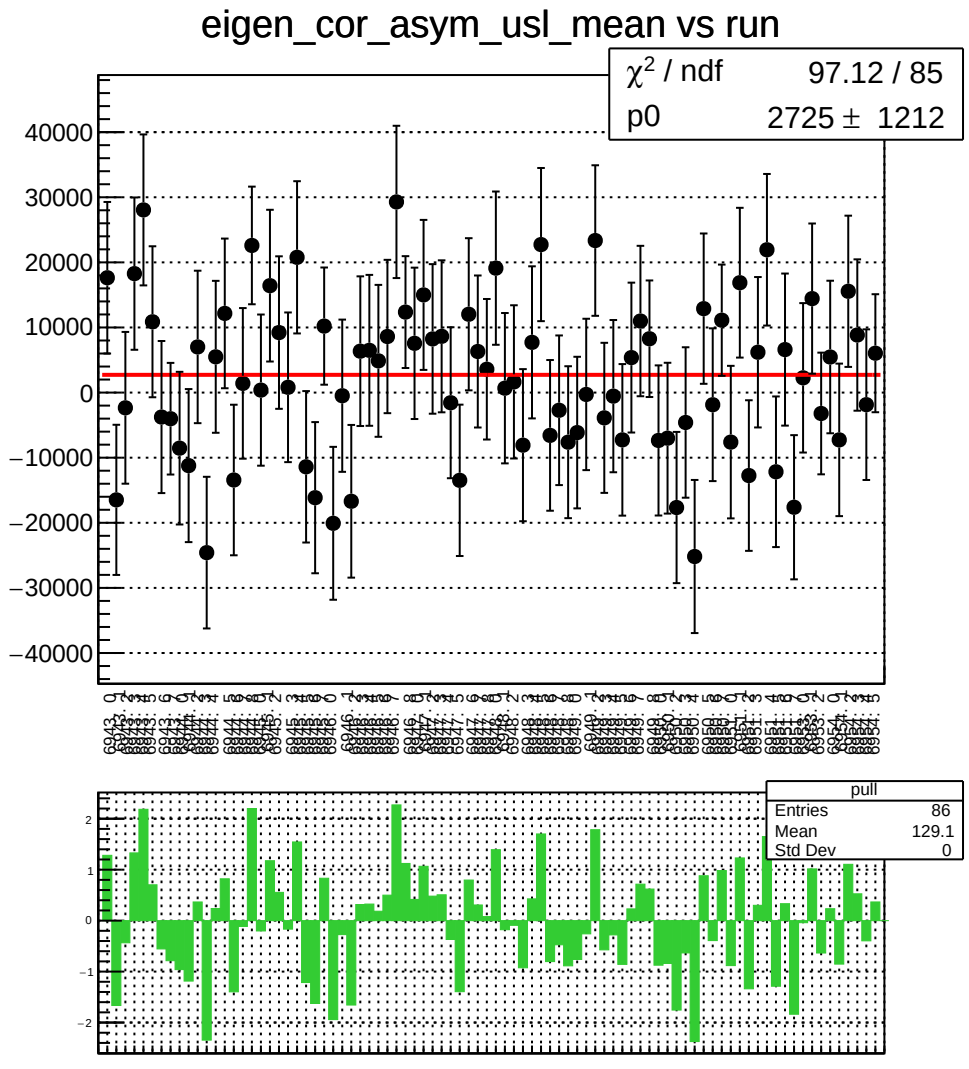

pull1D
Entries 86
Mean −0.01626
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

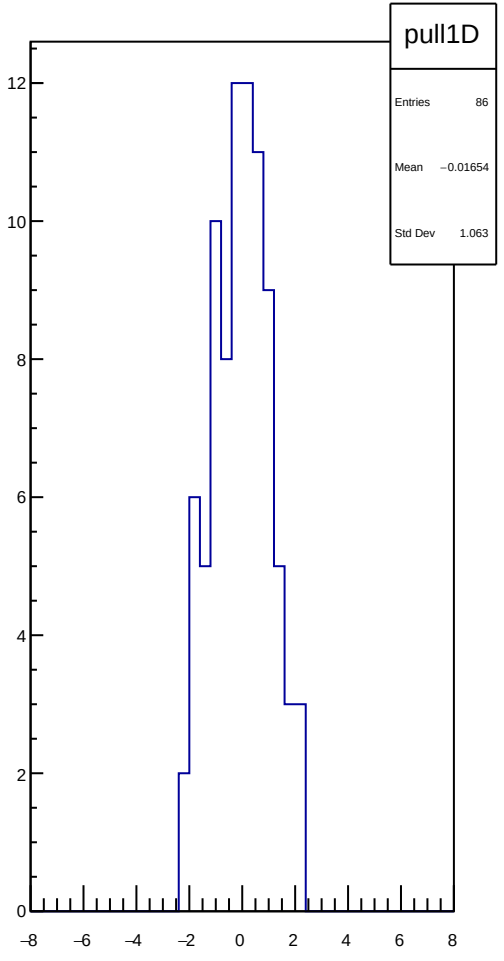

overload_cor_asym_usl_rms vs run
χ^2 / ndf 83.72 / 85
p0 1102 ± 0.8564
1120
1110
1100
1090
1080

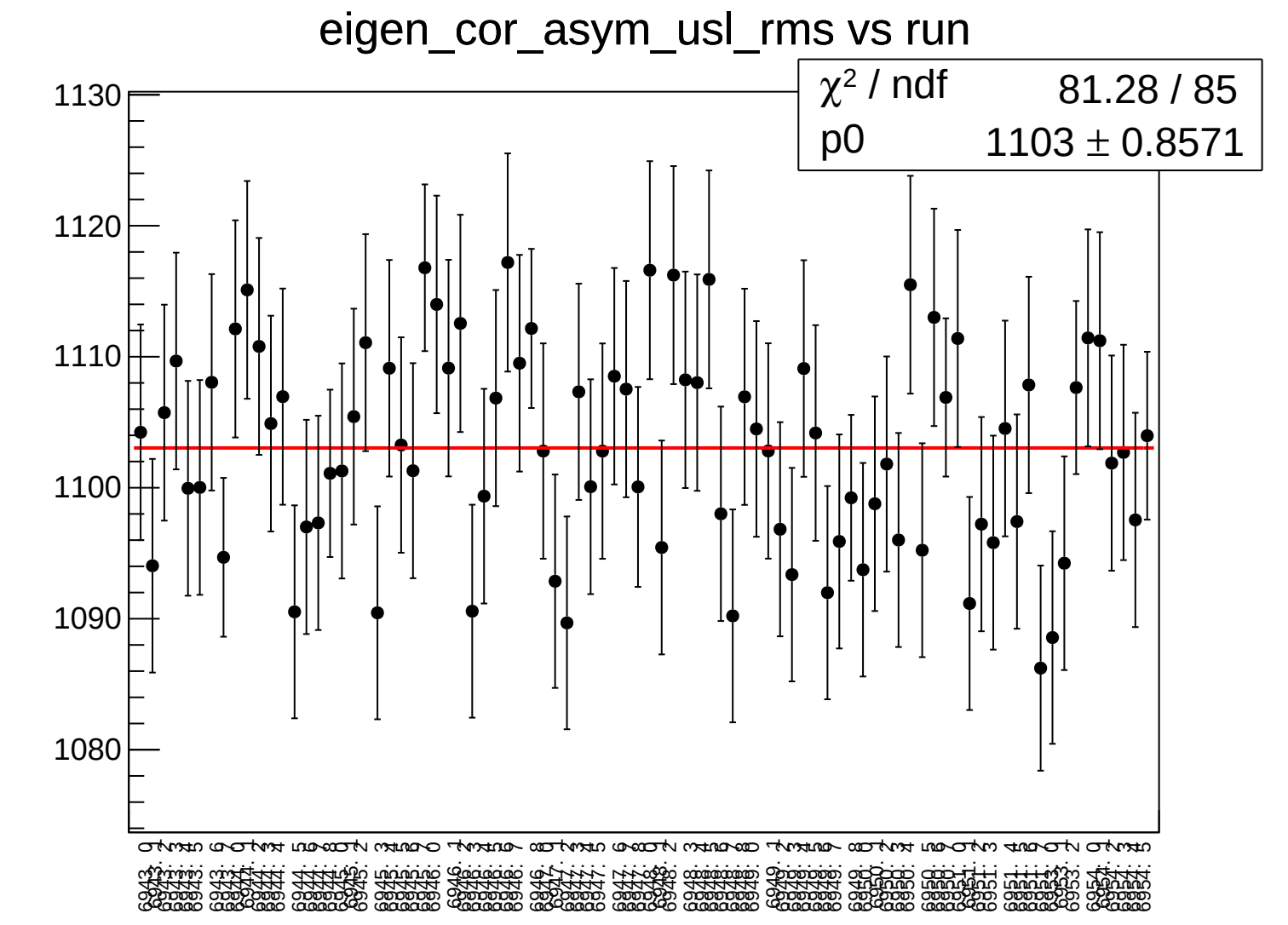

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 89.17 / 85
p0 −2835 ± 2051
pull
Entries 86
Mean 120.1
Std Dev 0

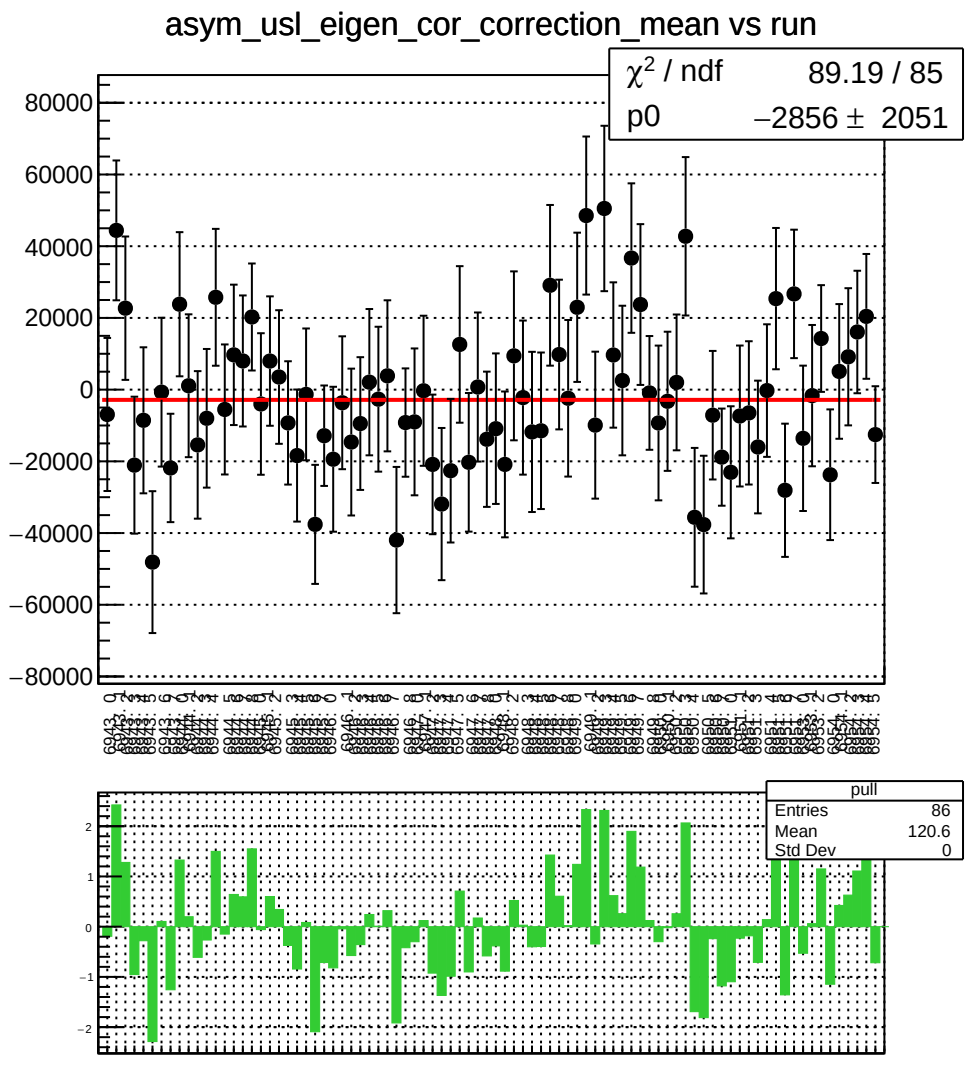

pull1D
Entries 86
Mean 0.02522
Std Dev 1.018

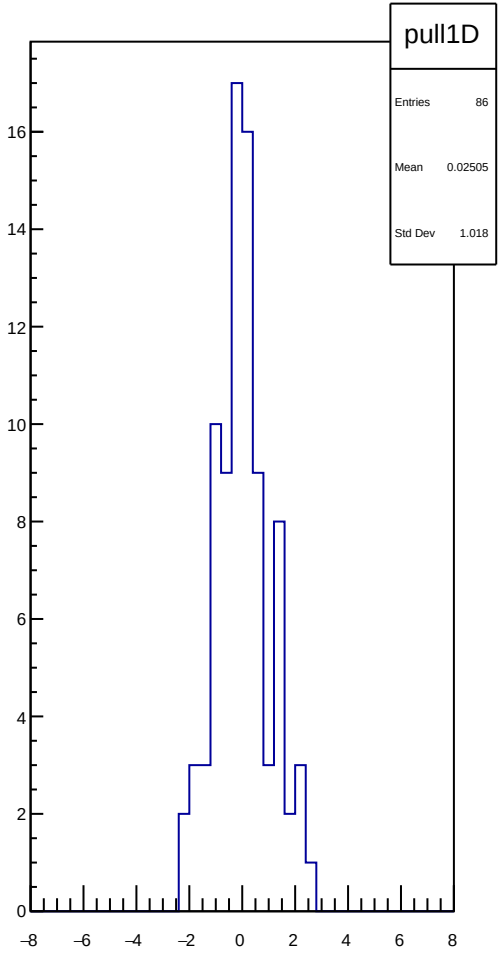

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 8311 / 85
p0 1862 ± 1.45
2300
2200
2100
2000
1900
1800
1700
1600
1500

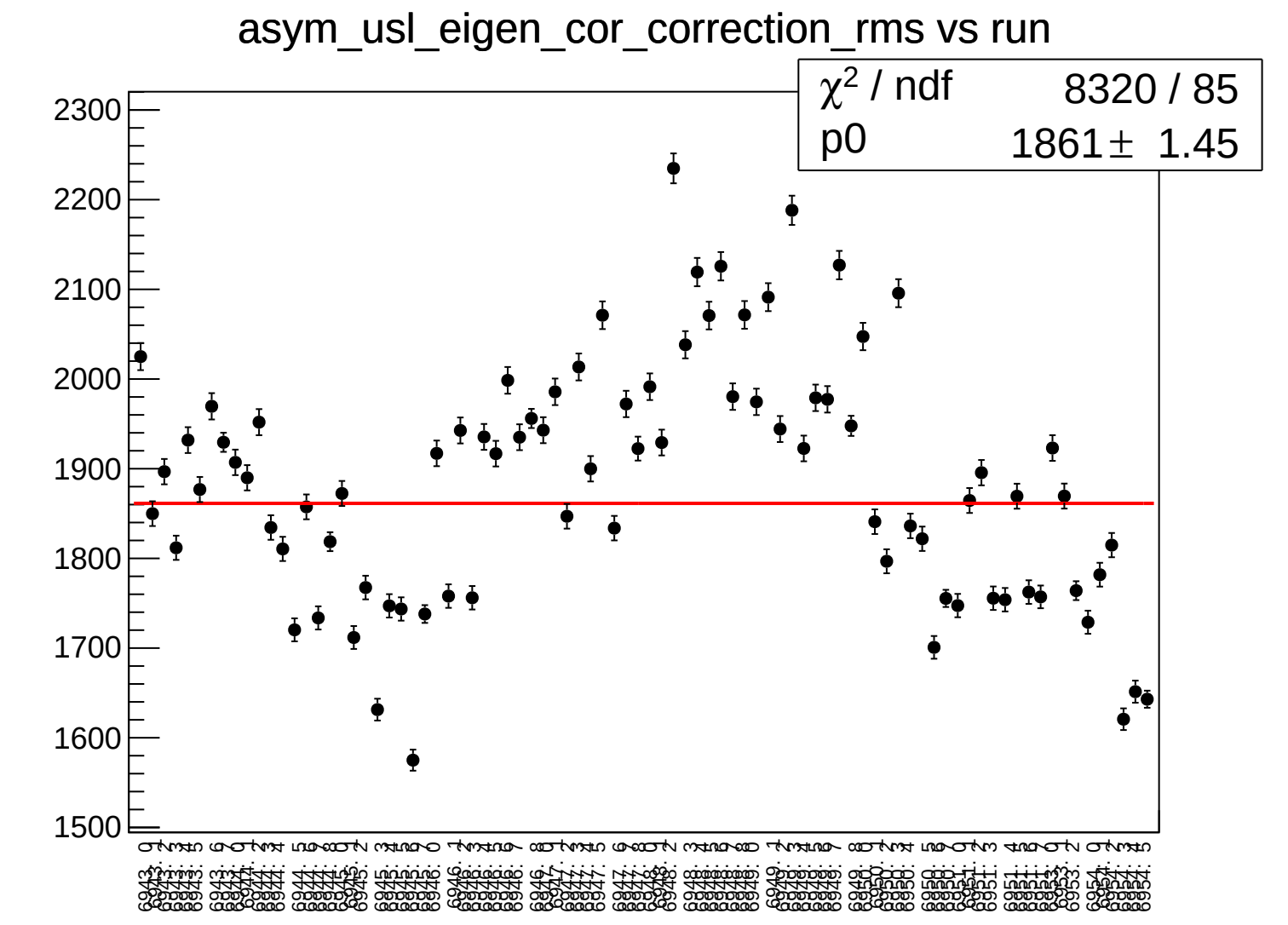

eigen_cor_asym_usl_mean vs run
χ² / ndf 97.12 / 85
p0 2725 ± 1212
pull
Entries 86
Mean 129.1
Std Dev 0

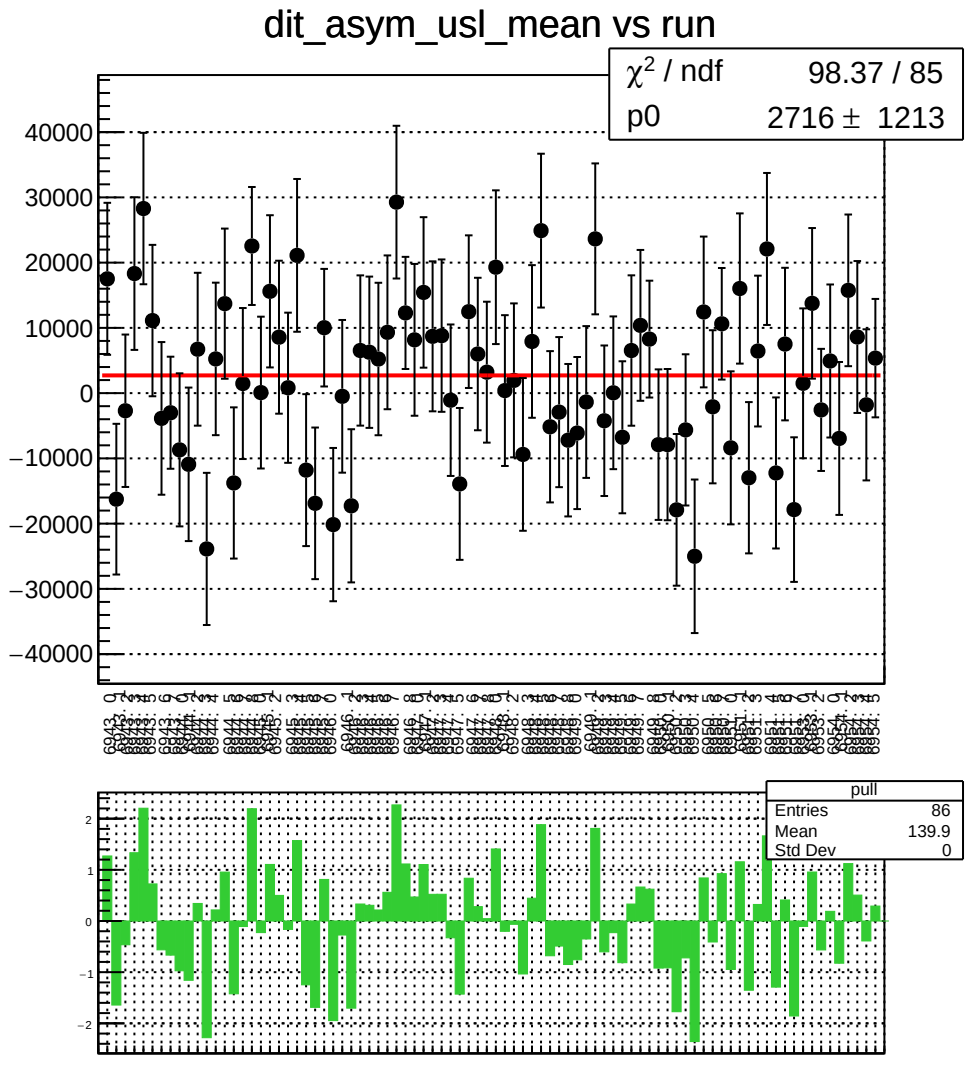

pull1D
Entries 86
Mean −0.01654
Std Dev 1.063

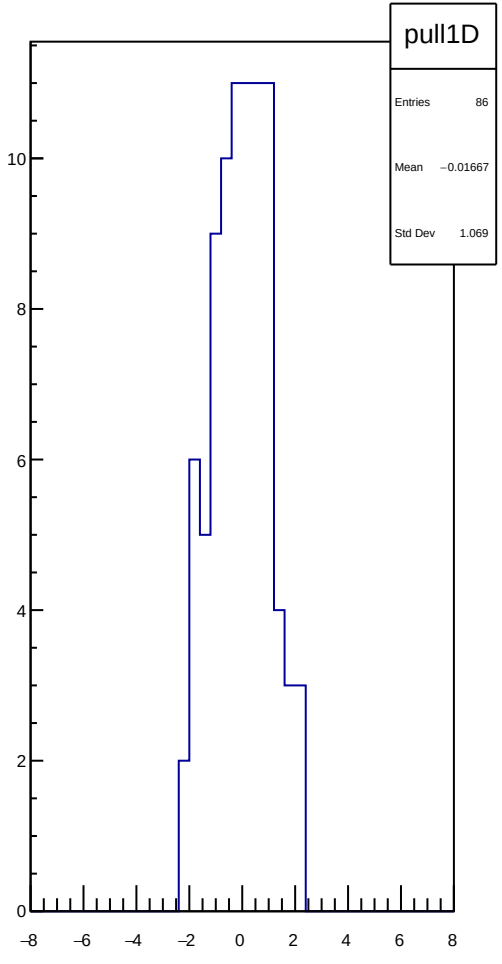

eigen_cor_asym_usl_rms vs run
χ² / ndf 81.28 / 85
p0 1103 ± 0.8571
1130
1120
1110
1100
1090
1080

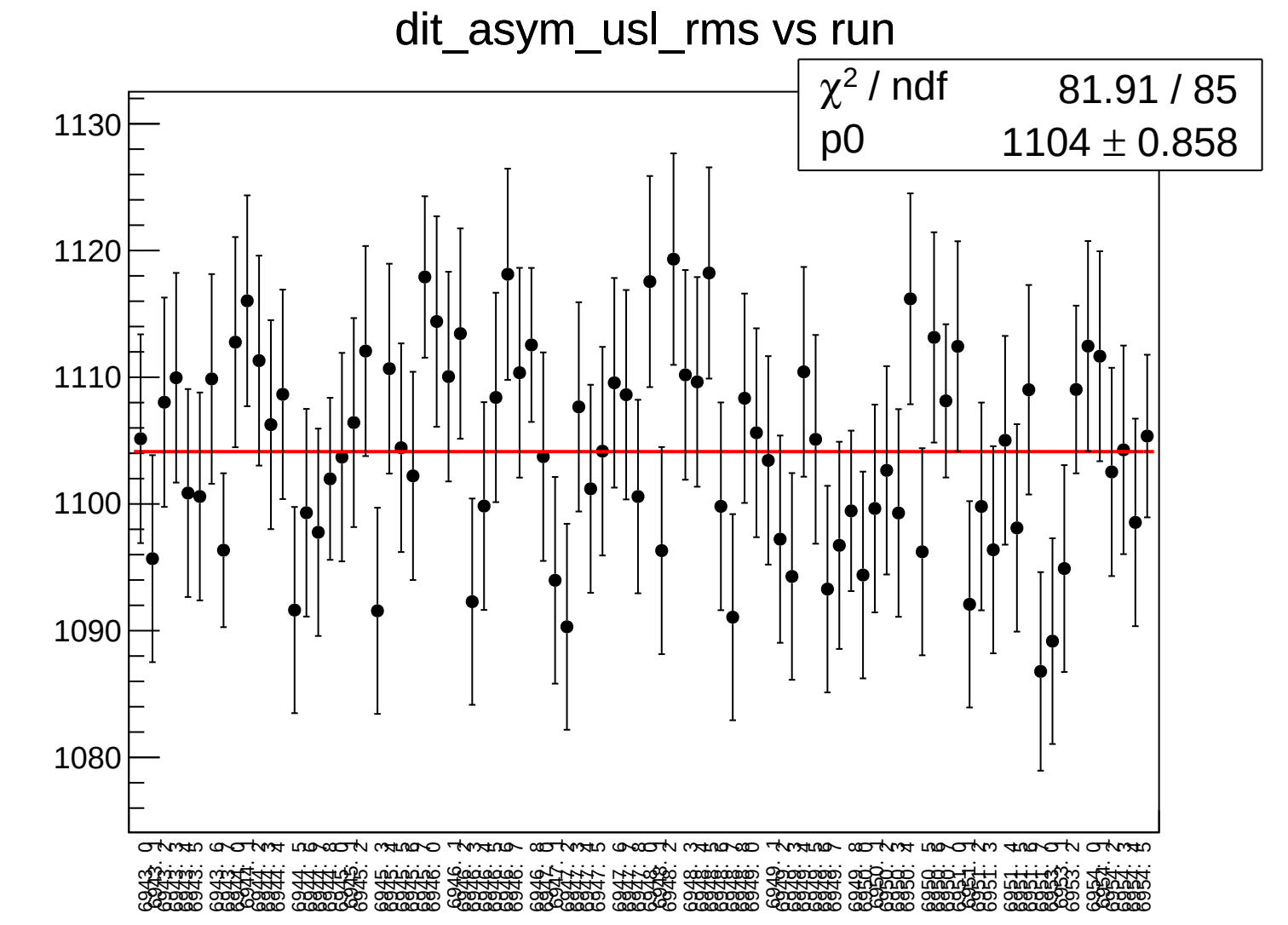

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 89.19 / 85
p0 −2856 ± 2051
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 120.6
Std Dev 0
2
1
0
−1
−2

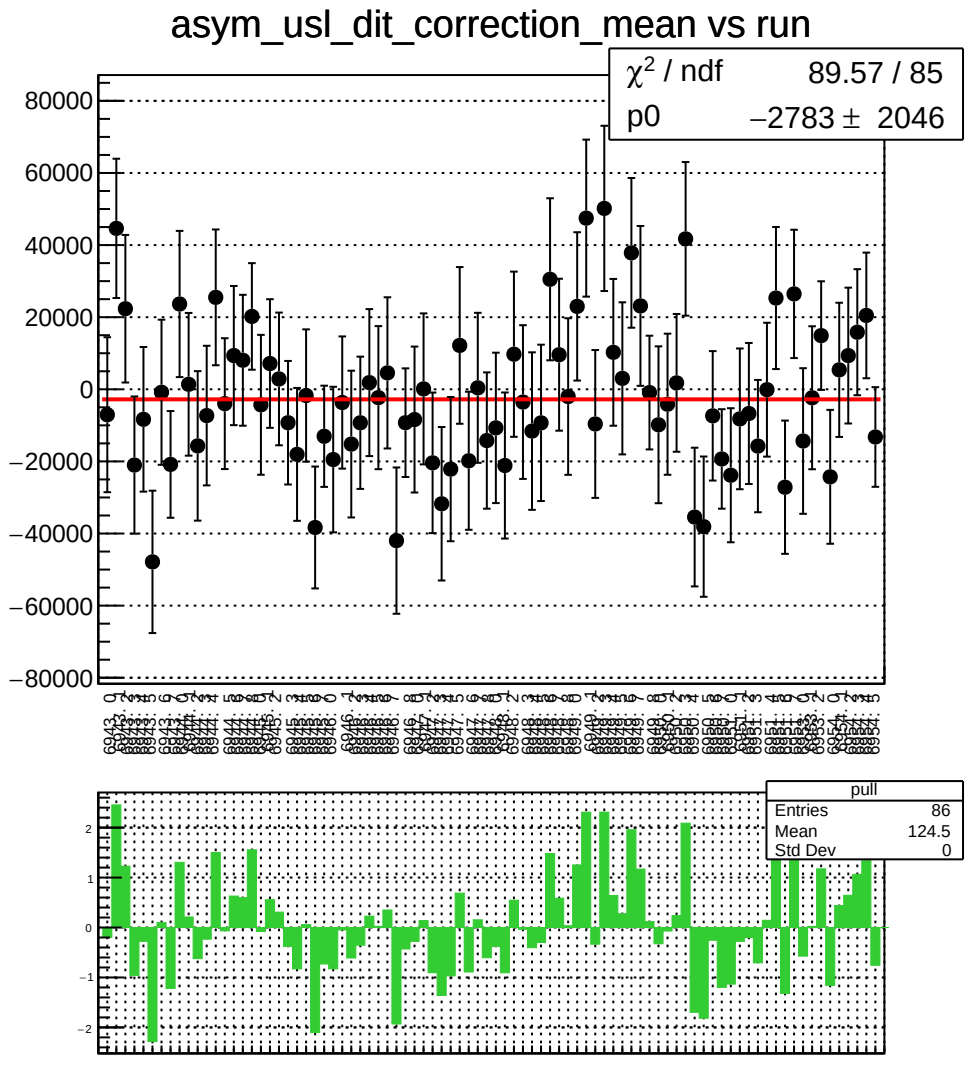

pull1D
Entries 86
Mean 0.02505
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

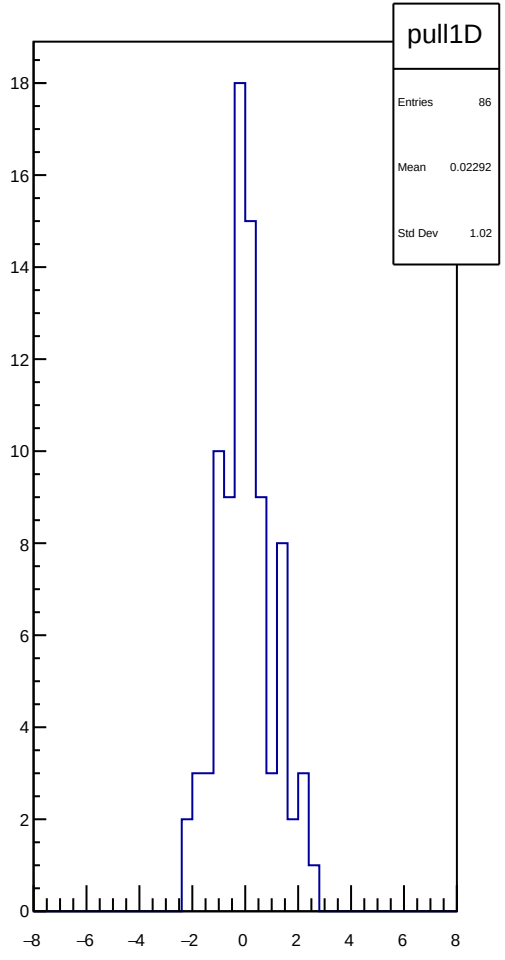

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 8320 / 85
p0 1861 ± 1.45
2300
2200
2100
2000
1900
1800
1700
1600
1500

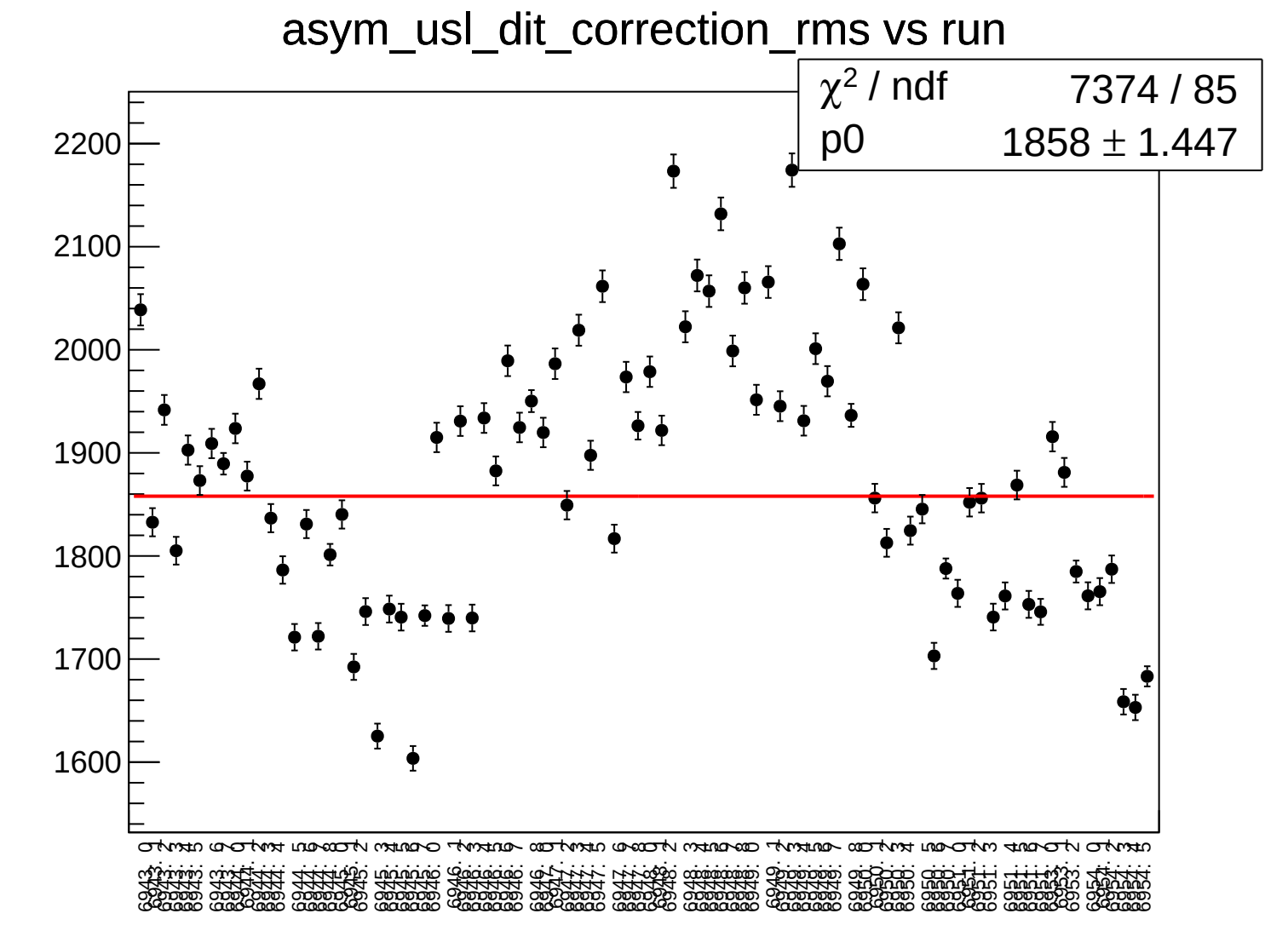

dit_asym_usl_mean vs run
χ² / ndf 98.37 / 85
p0 2716 ± 1213
pull
Entries 86
Mean 139.9
Std Dev 0

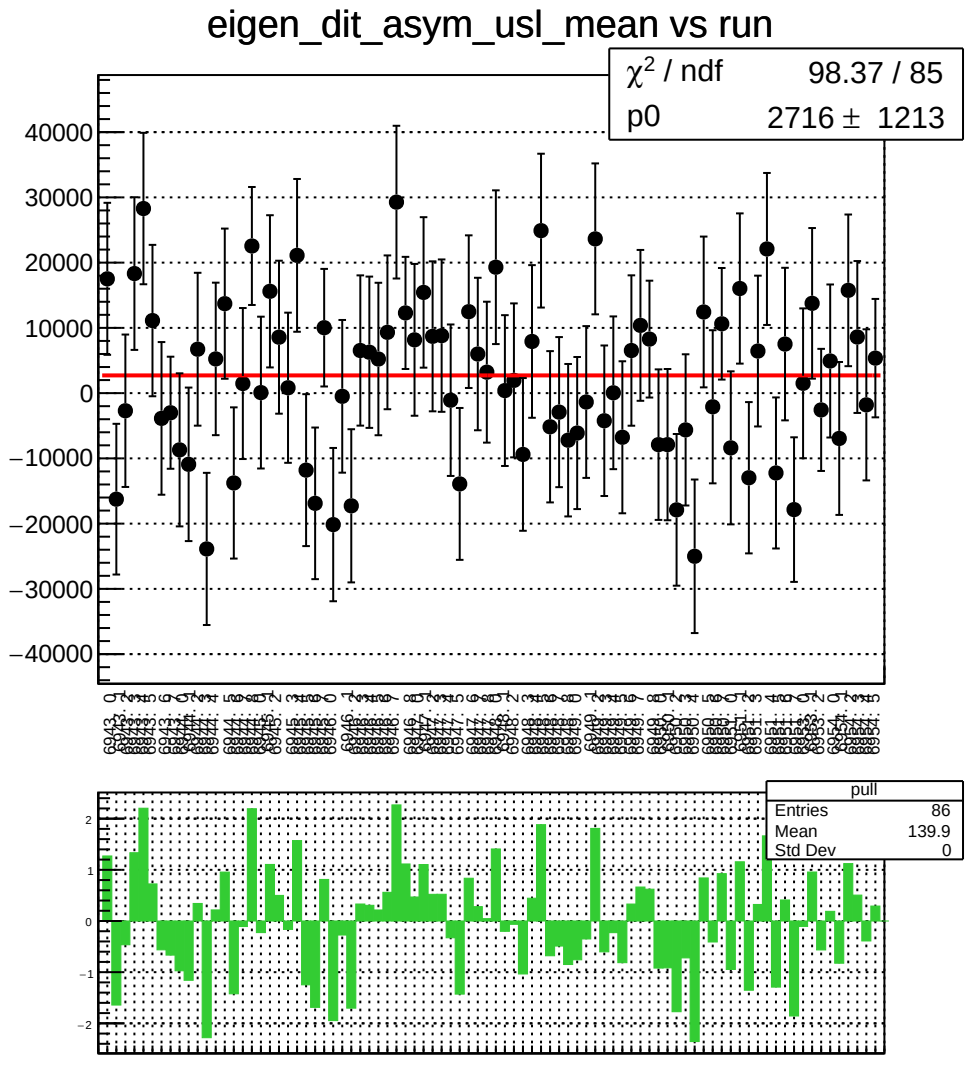

pull1D
Entries 86
Mean −0.01667
Std Dev 1.069

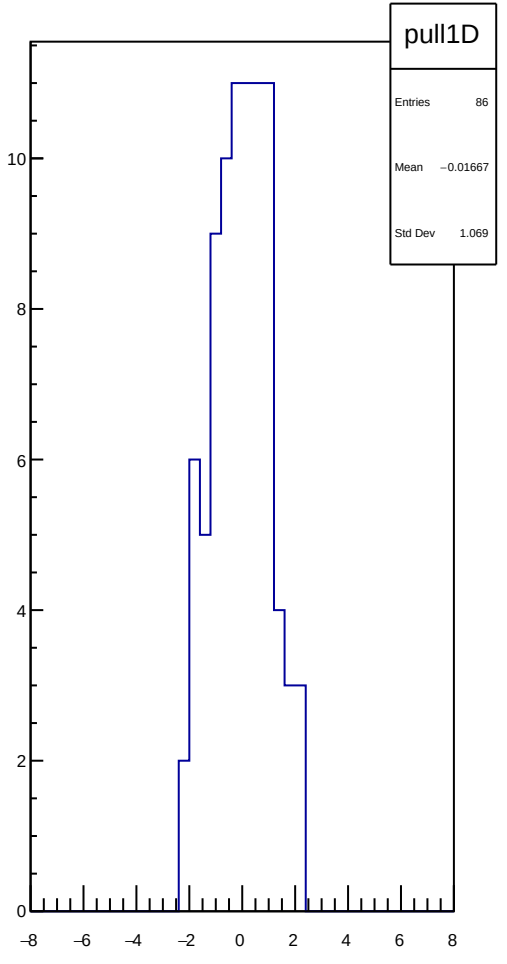

dit_asym_usl_rms vs run
χ^2 / ndf 81.91 / 85
p0 1104 ± 0.858
1130
1120
1110
1100
1090
1080

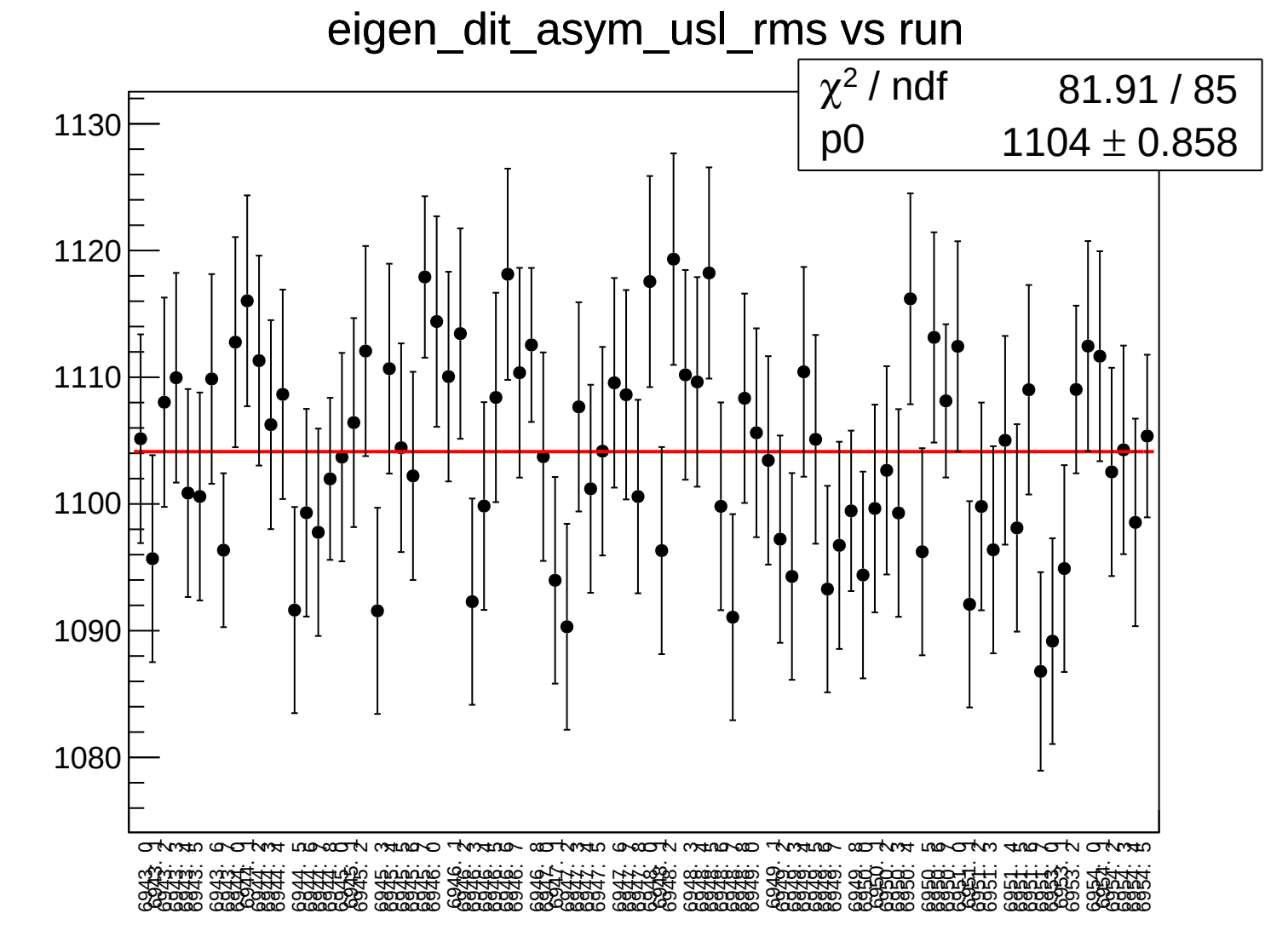

asym_usl_dit_correction_mean vs run
χ² / ndf 89.57 / 85
p0 −2783 ± 2046
pull
Entries 86
Mean 124.5
Std Dev 0

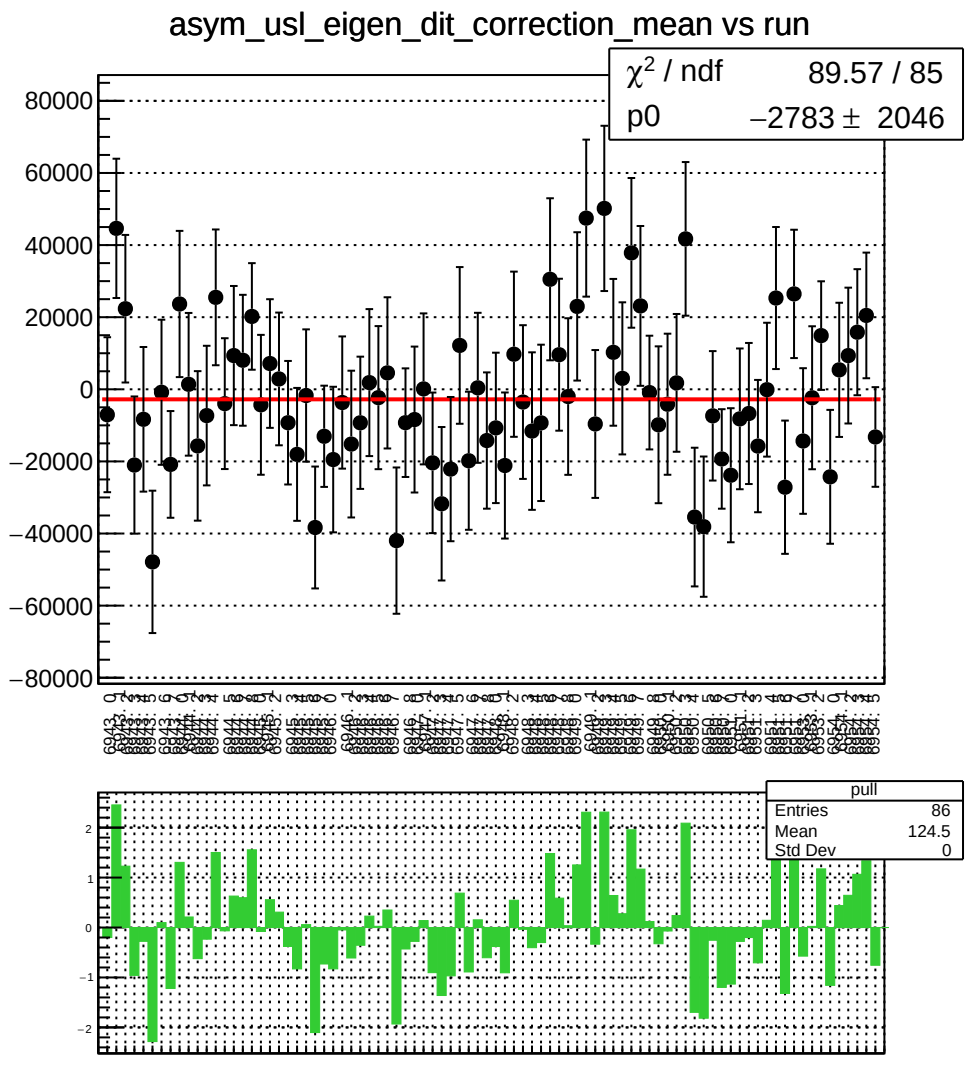

pull1D
Entries 86
Mean 0.02292
Std Dev 1.02

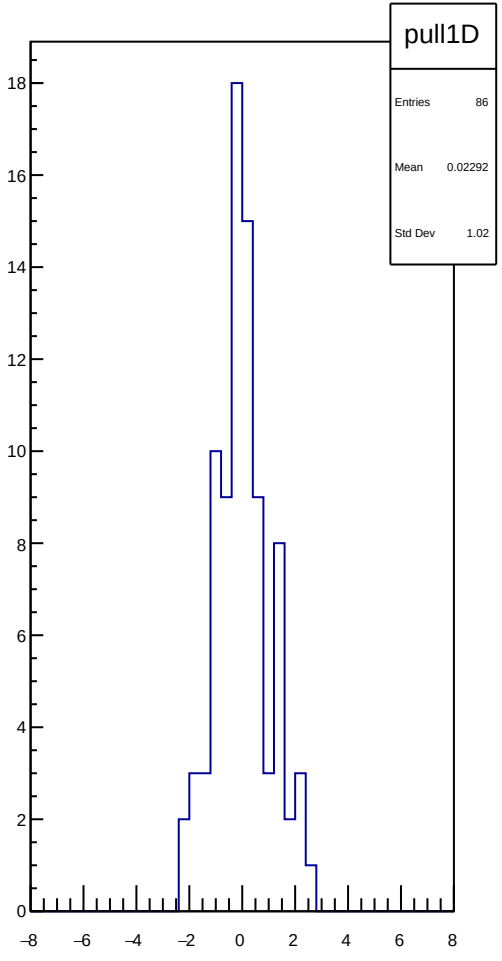

asym_usl_dit_correction_rms vs run
χ² / ndf 7374 / 85
p0 1858 ± 1.447
2200
2100
2000
1900
1800
1700
1600

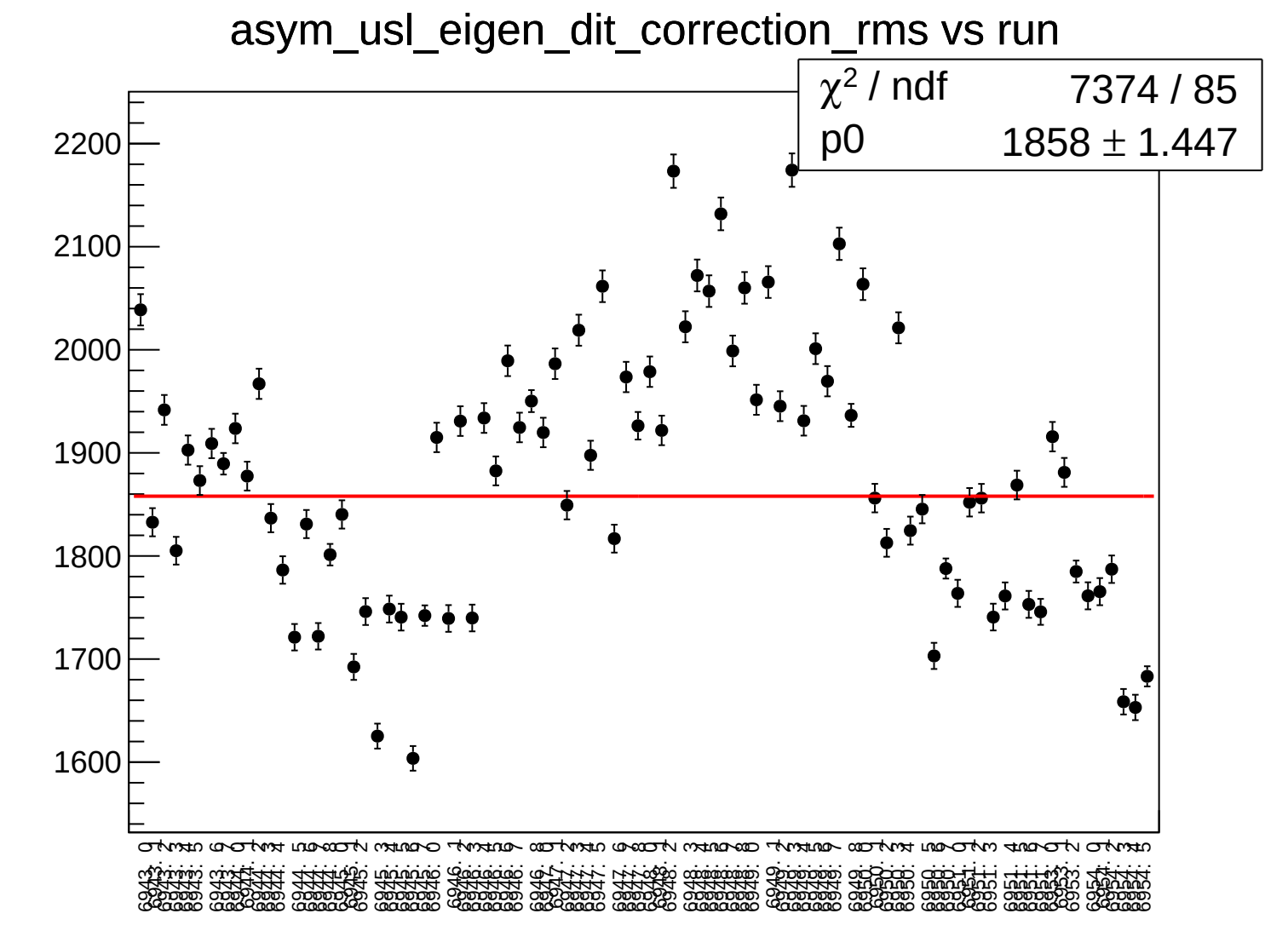

eigen_dit_asym_usl_mean vs run
χ² / ndf 98.37 / 85
p0 2716 ± 1213
pull
Entries 86
Mean 139.9
Std Dev 0

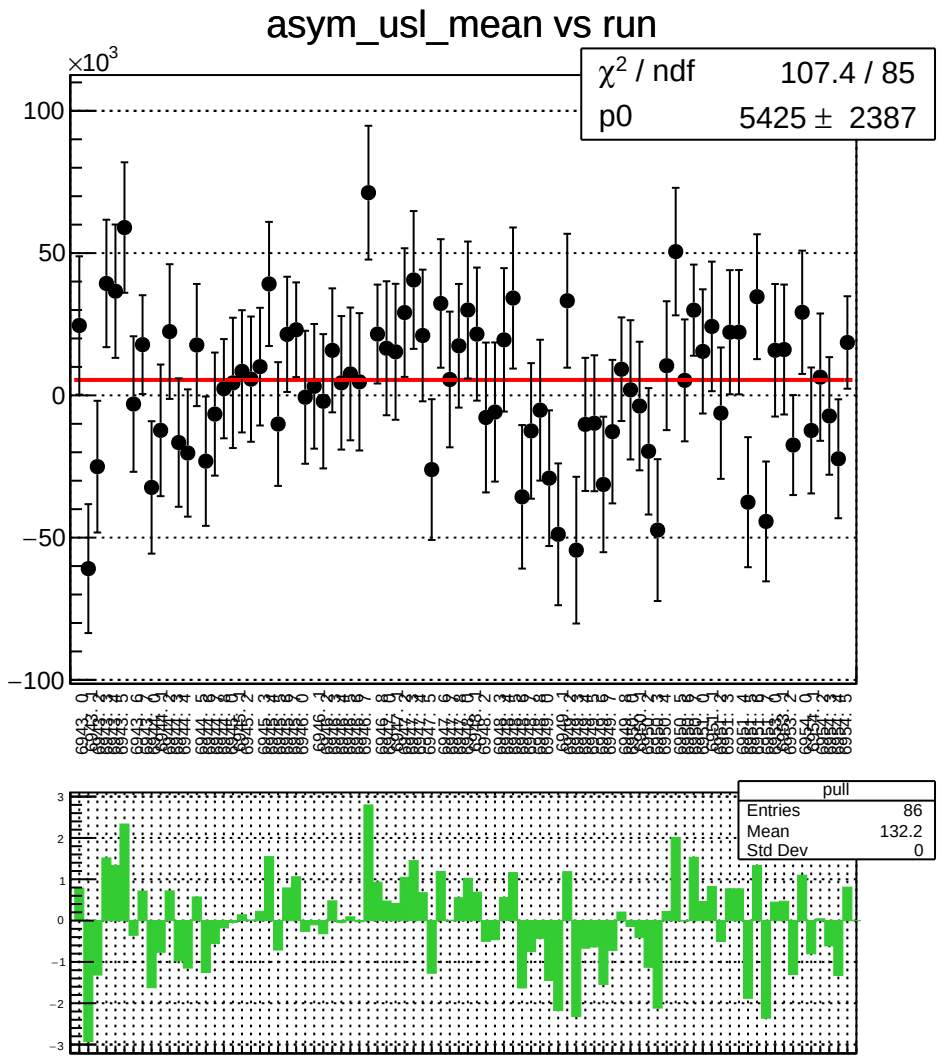

pull1D
Entries 86
Mean −0.01667
Std Dev 1.069

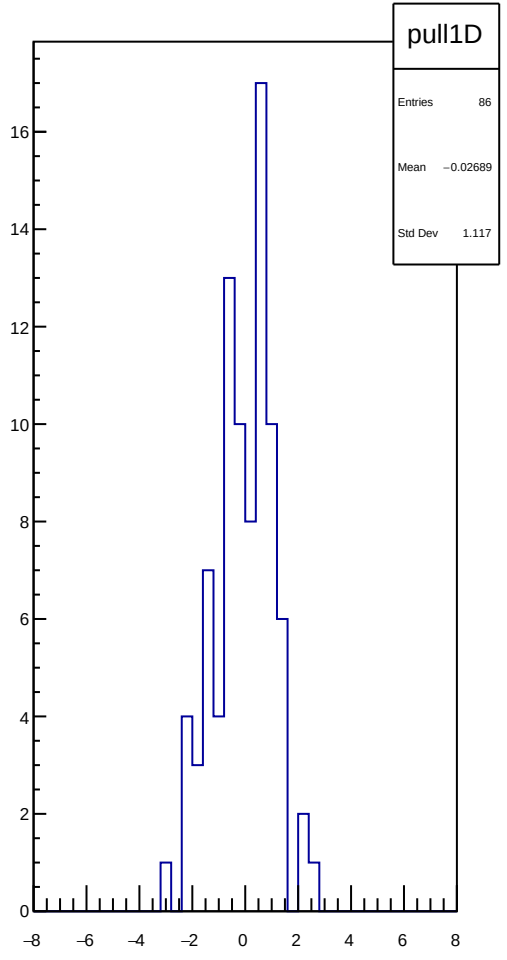

eigen_dit_asym_usl_rms vs run
χ^2 / ndf 81.91 / 85
p0 1104 ± 0.858
1130
1120
1110
1100
1090
1080

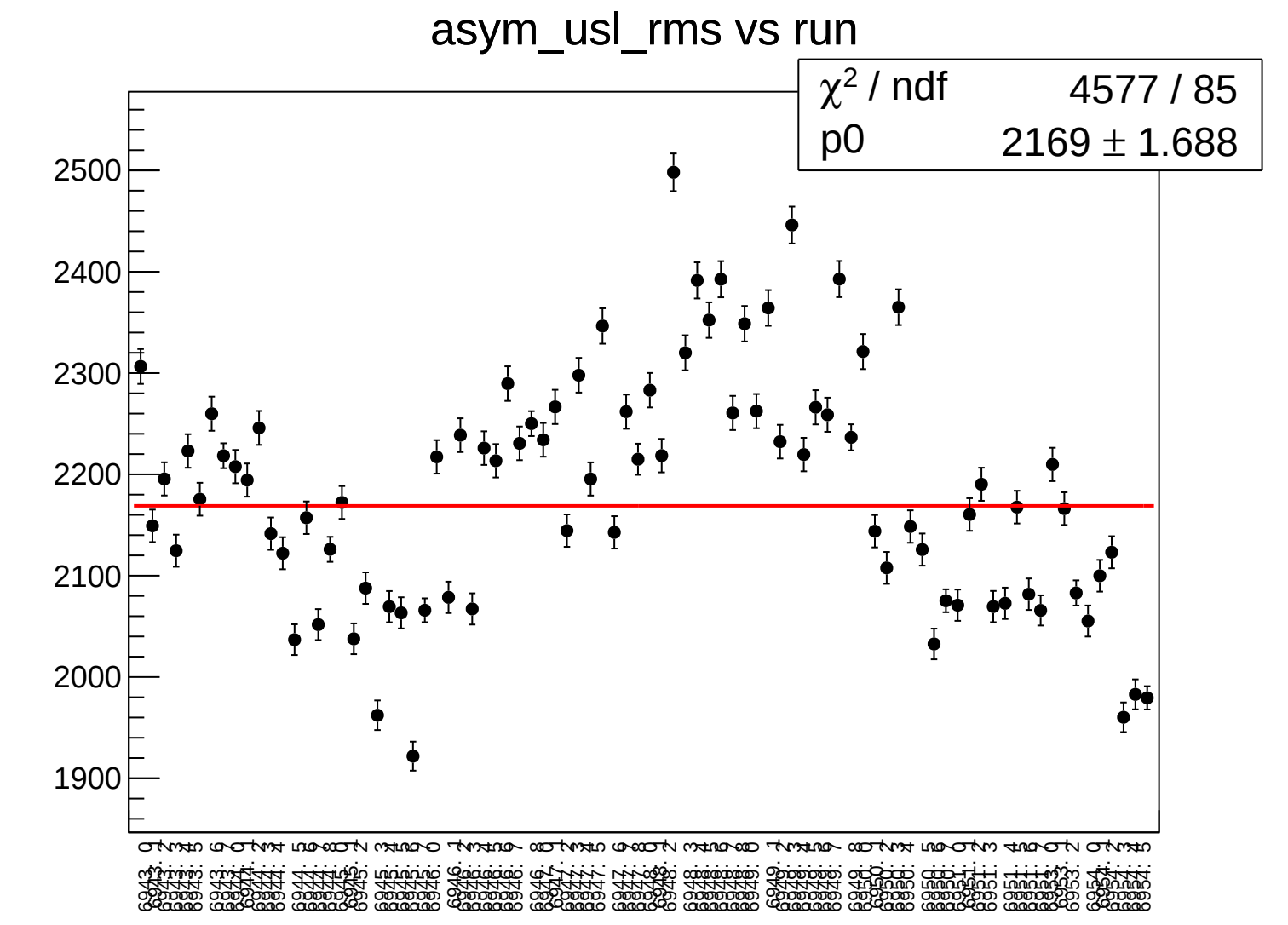

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 89.57 / 85
p0 −2783 ± 2046
pull
Entries 86
Mean 124.5
Std Dev 0

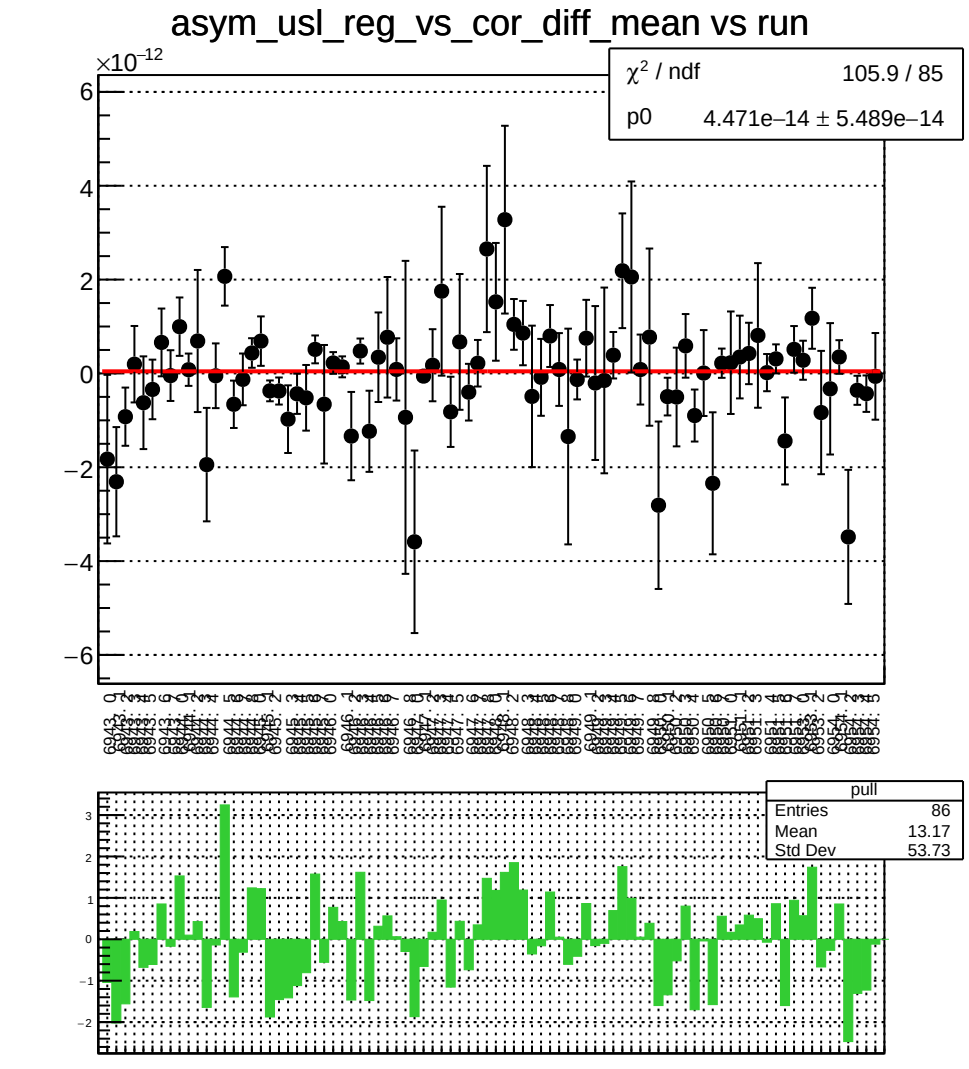

pull1D
Entries 86
Mean 0.02292
Std Dev 1.02

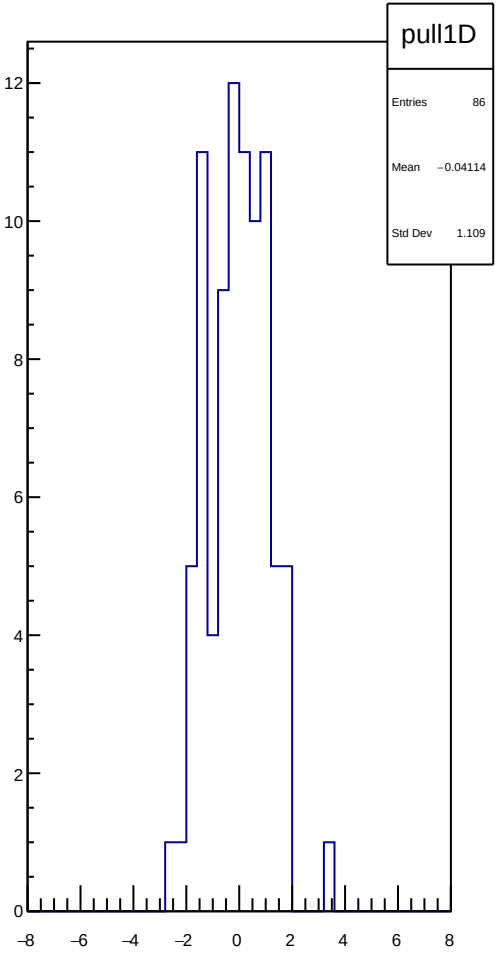

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 7374 / 85
p0 1858 ± 1.447
2200
2100
2000
1900
1800
1700
1600

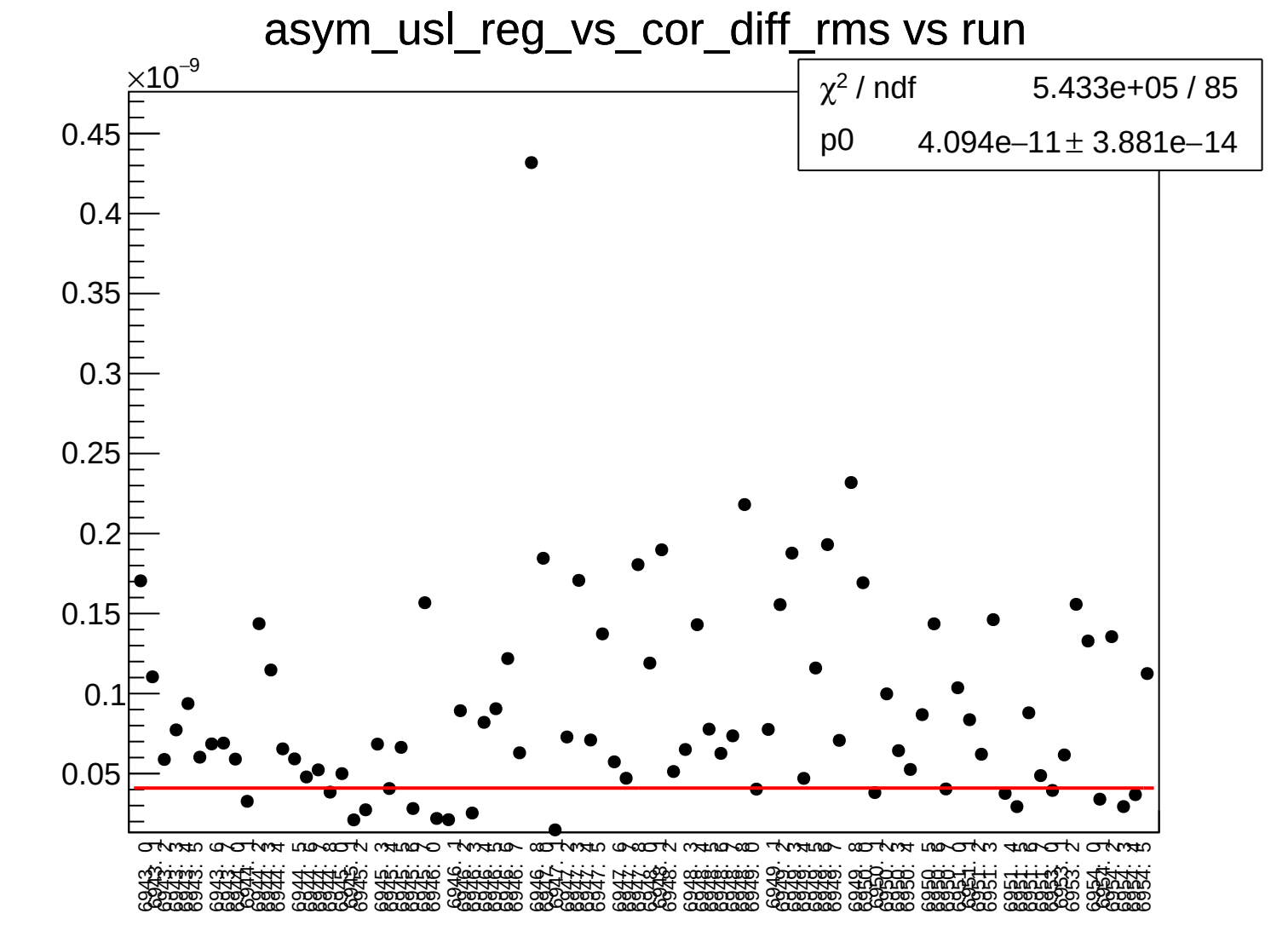

asym_usl_mean vs run
×10^3
χ^2 / ndf 107.4 / 85
p0 5425 ± 2387
100
50
0
−50
−100
pull
Entries 86
Mean 132.2
Std Dev 0
3
2
1
0
−1
−2
−3

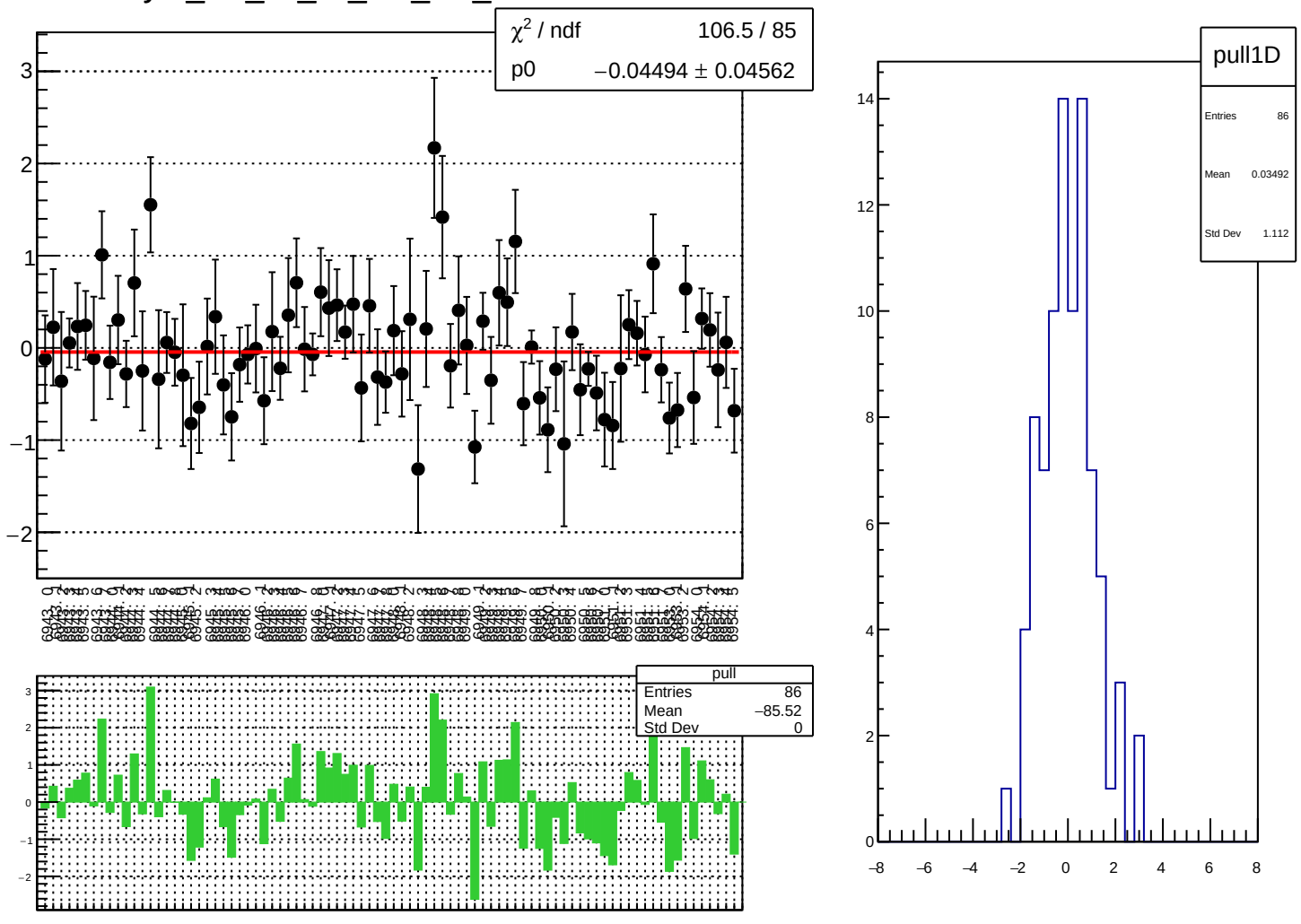

pull1D
Entries 86
Mean −0.02689
Std Dev 1.117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

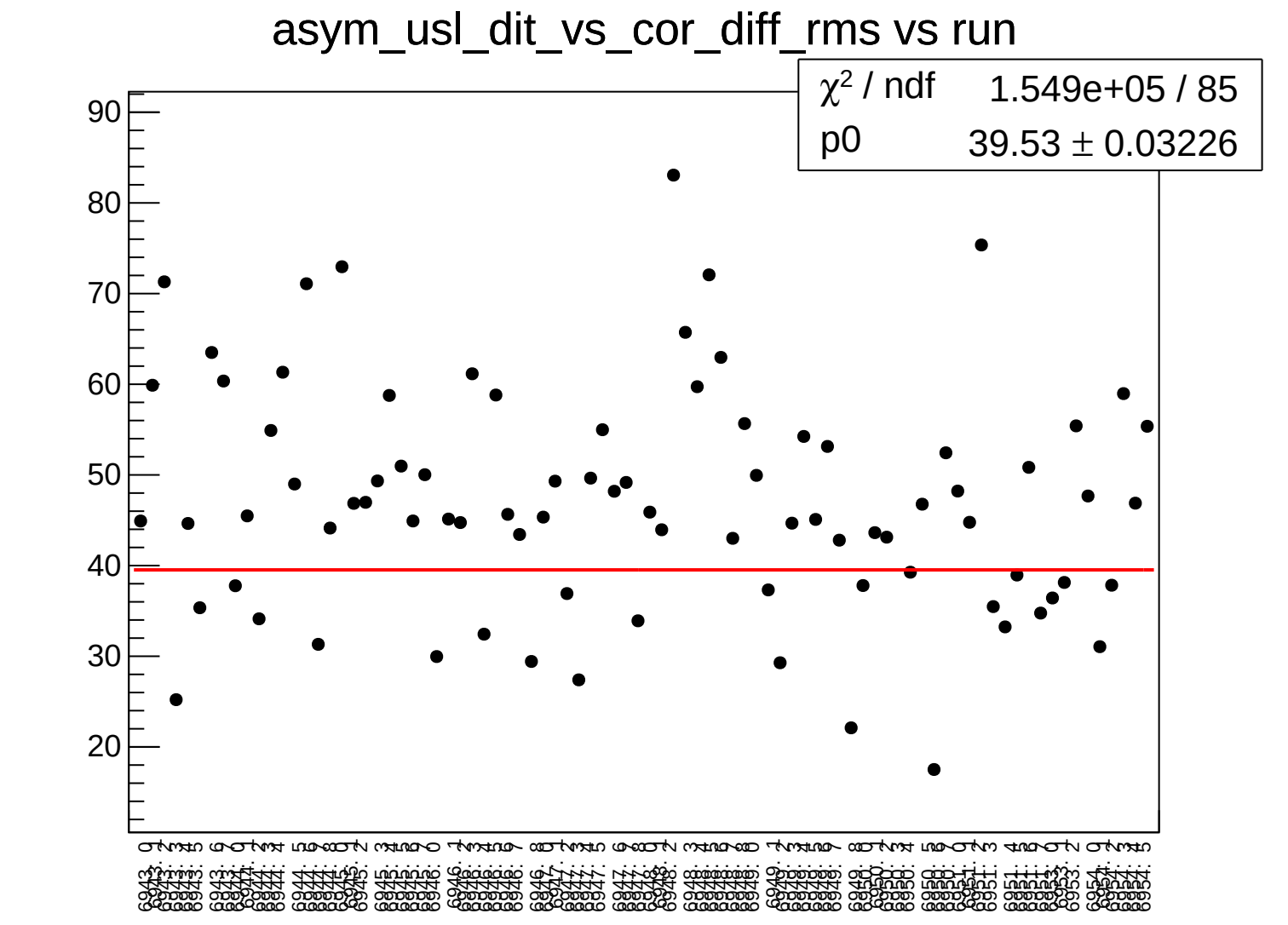

asym_usl_rms vs run
χ² / ndf 4577 / 85
p0 2169 ± 1.688
2500
2400
2300
2200
2100
2000
1900

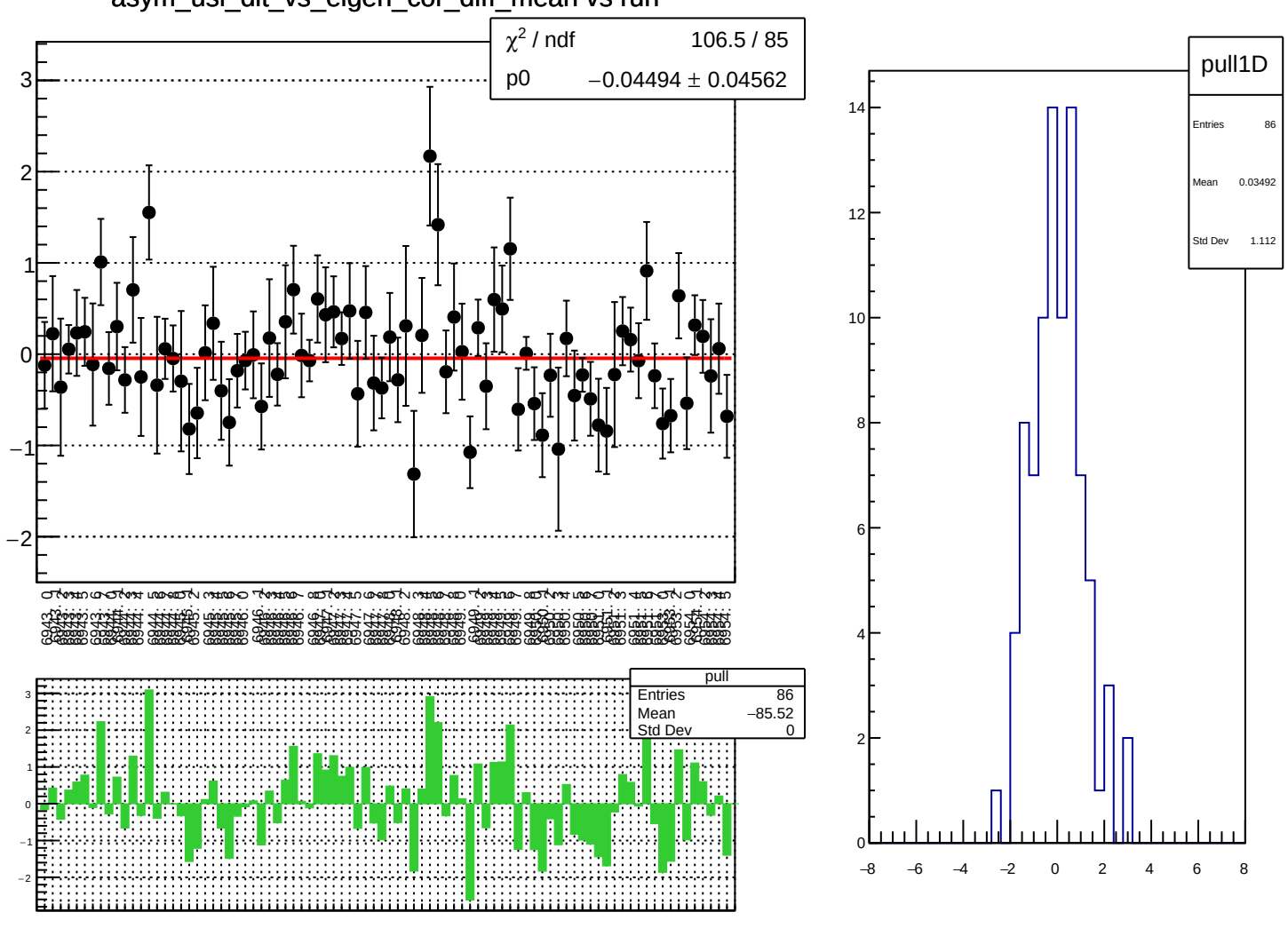

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 105.9 / 85
p0 4.471e−14 ± 5.489e−14
pull
Entries 86
Mean 13.17
Std Dev 53.73

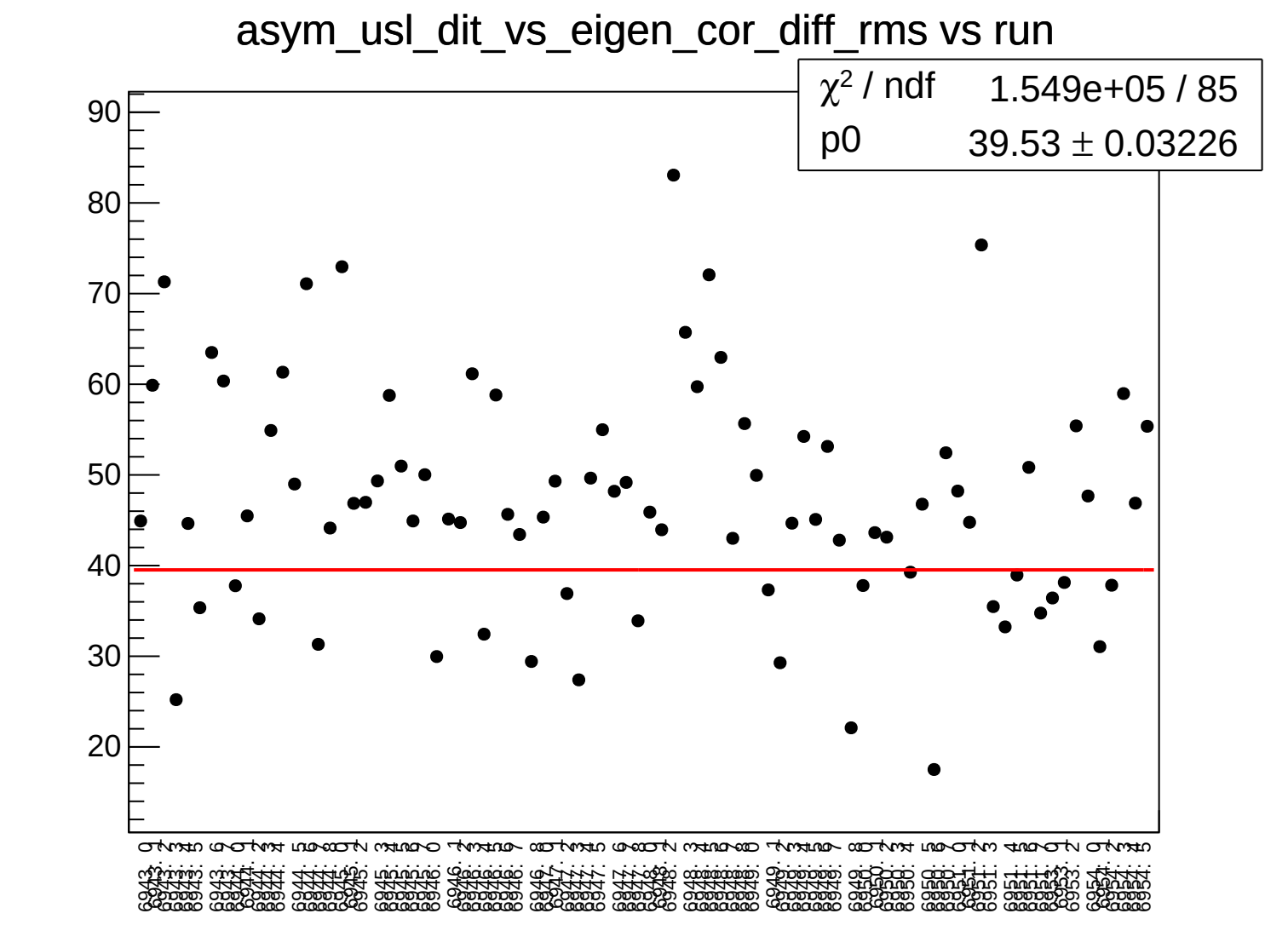

pull1D
Entries 86
Mean −0.04114
Std Dev 1.109

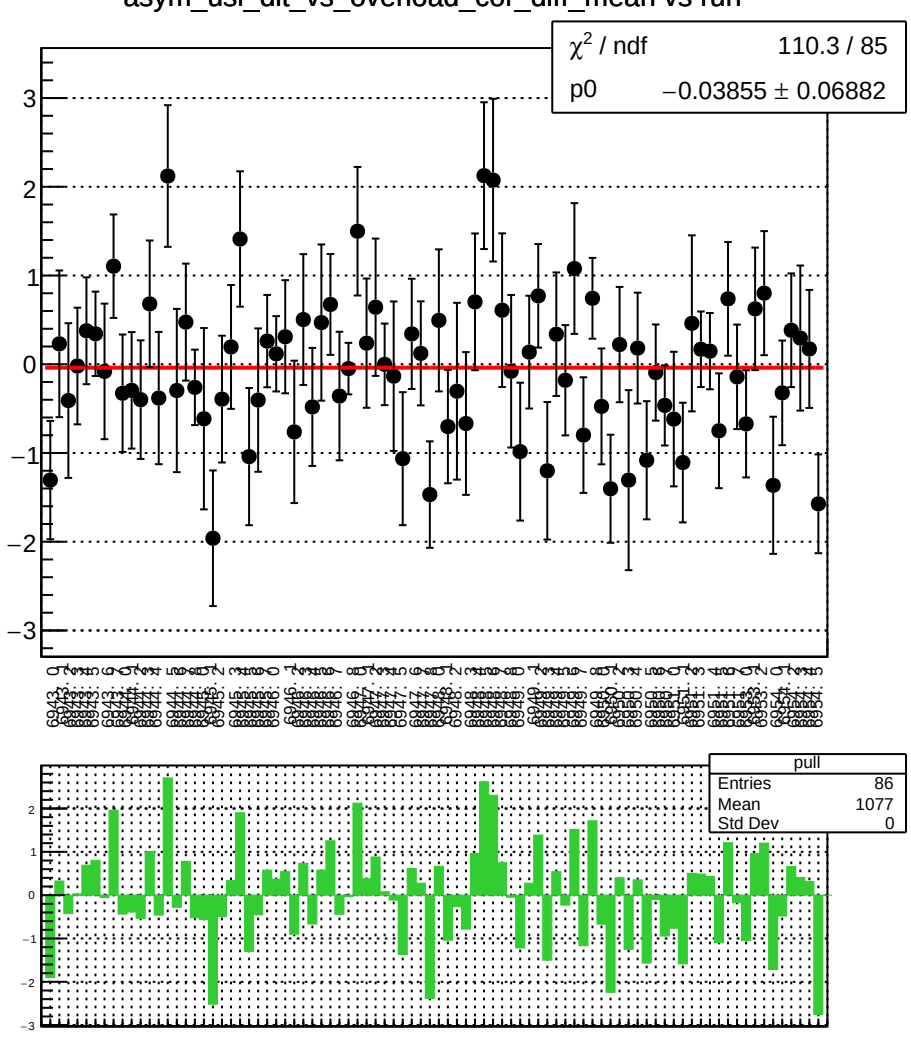

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.433e+05 / 85
p0 4.094e−11 ± 3.881e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

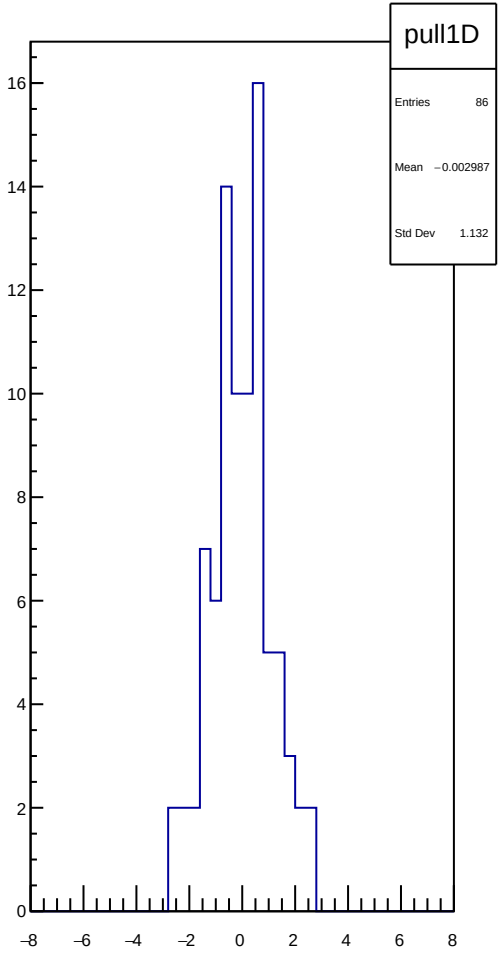

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 106.5 / 85
p0 −0.04494 ± 0.04562
pull
Entries 86
Mean −85.52
Std Dev 0
pull1D
Entries 86
Mean 0.03492
Std Dev 1.112

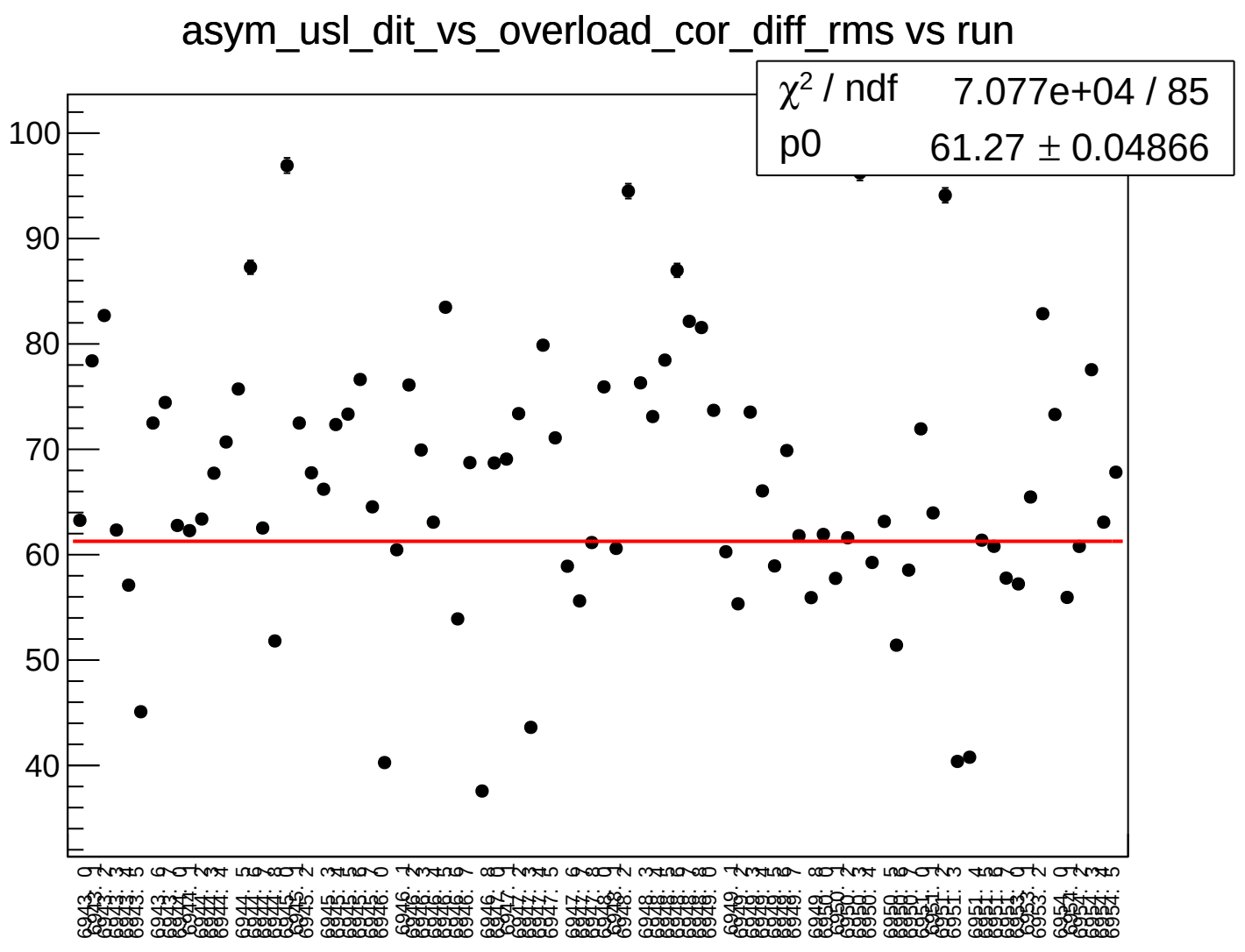

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 85
p0 39.53 ± 0.03226
90
80
70
60
50
40
30
20

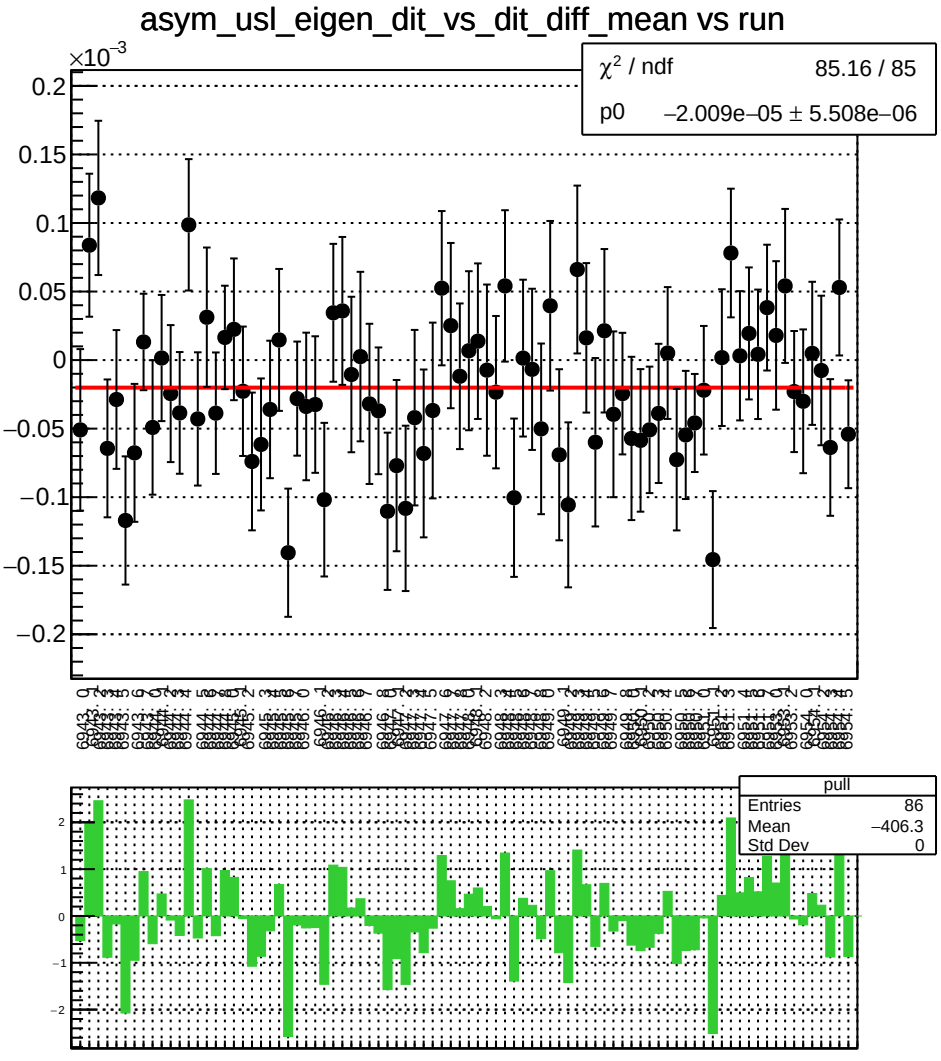

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.5 / 85
p0 −0.04494 ± 0.04562
pull
Entries 86
Mean −85.52
Std Dev 0
pull1D
Entries 86
Mean 0.03492
Std Dev 1.112

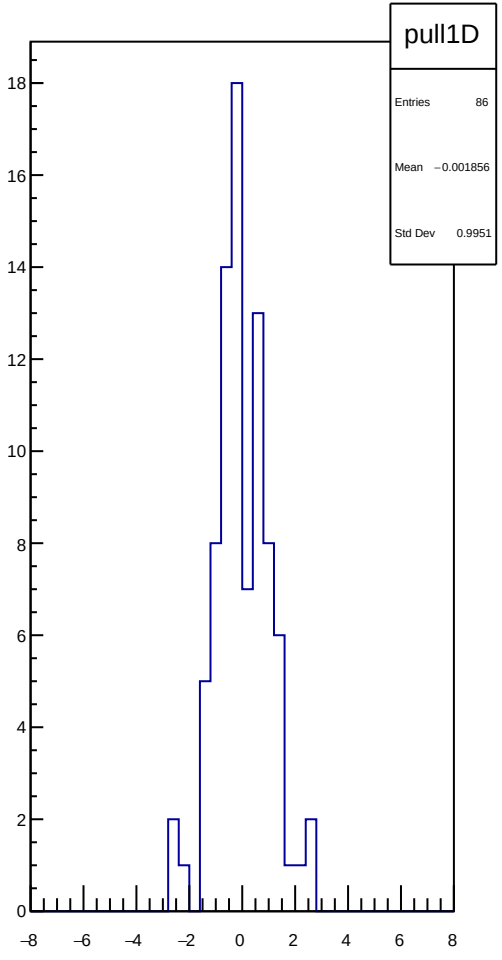

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 85
p0 39.53 ± 0.03226
90
80
70
60
50
40
30
20


asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 110.3 / 85
p0 −0.03855 ± 0.06882
pull
Entries 86
Mean 1077
Std Dev 0

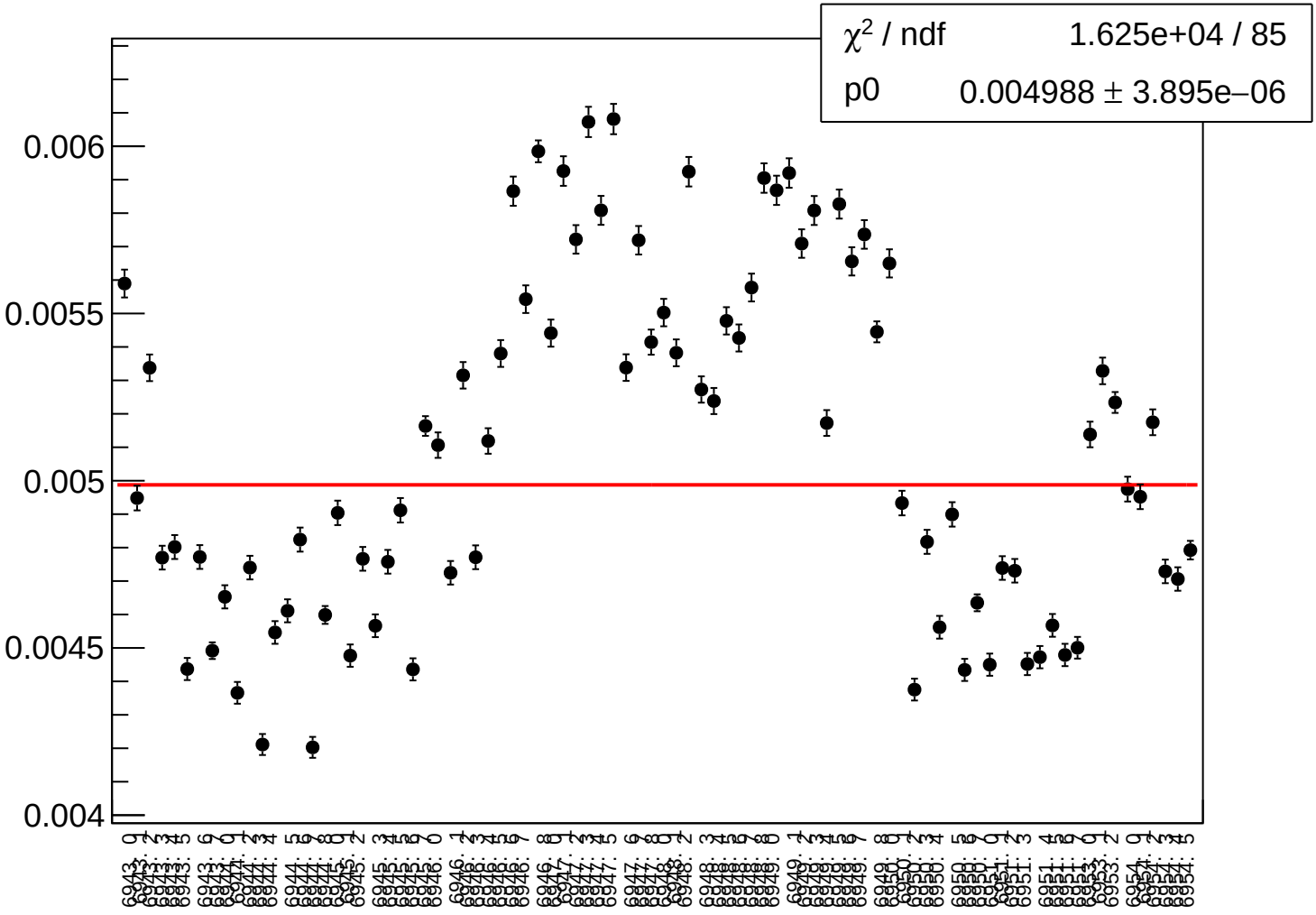

pull1D
Entries 86
Mean −0.002987
Std Dev 1.132

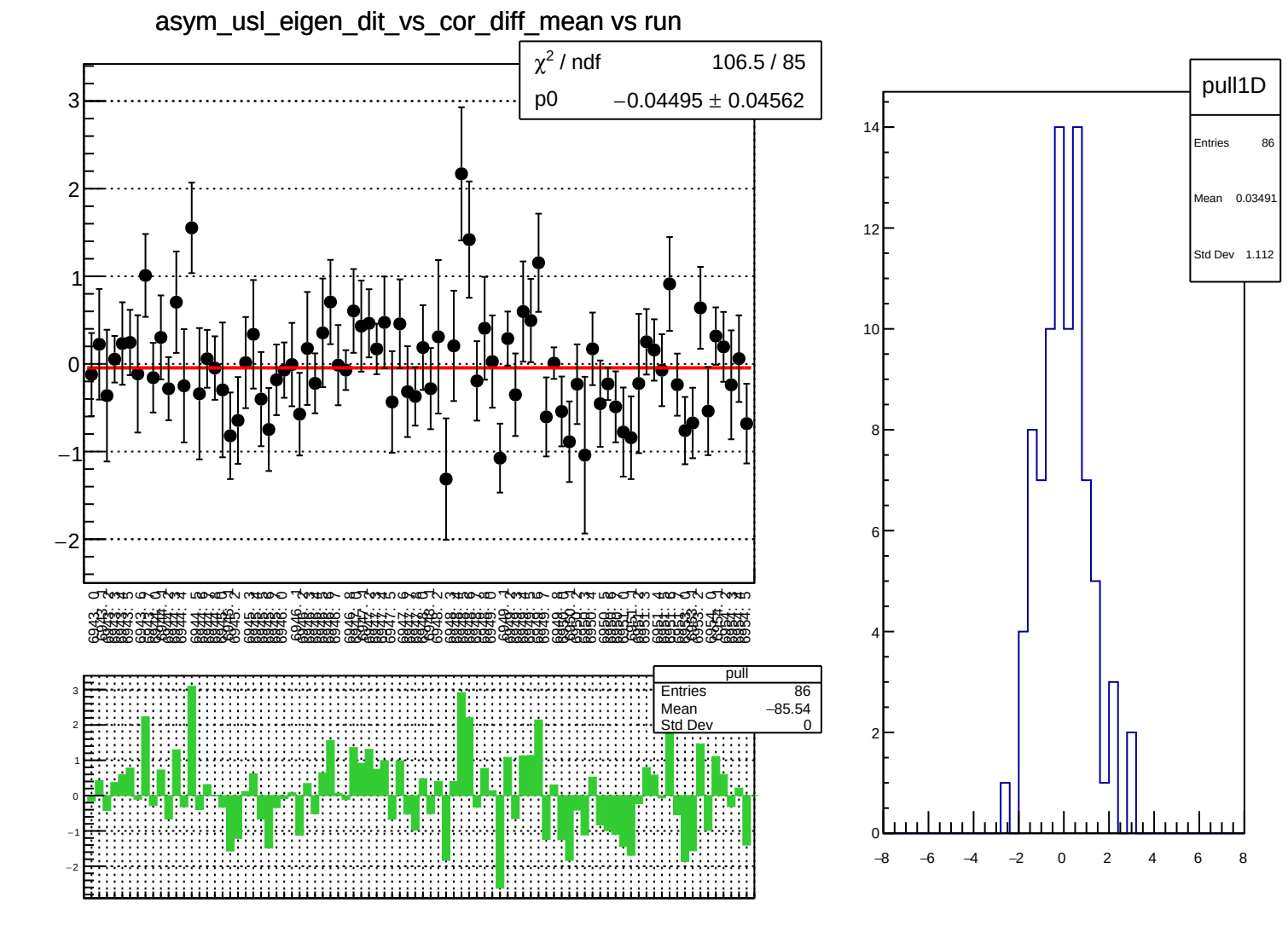

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.077e+04 / 85
p0 61.27 ± 0.04866
100
90
80
70
60
50
40

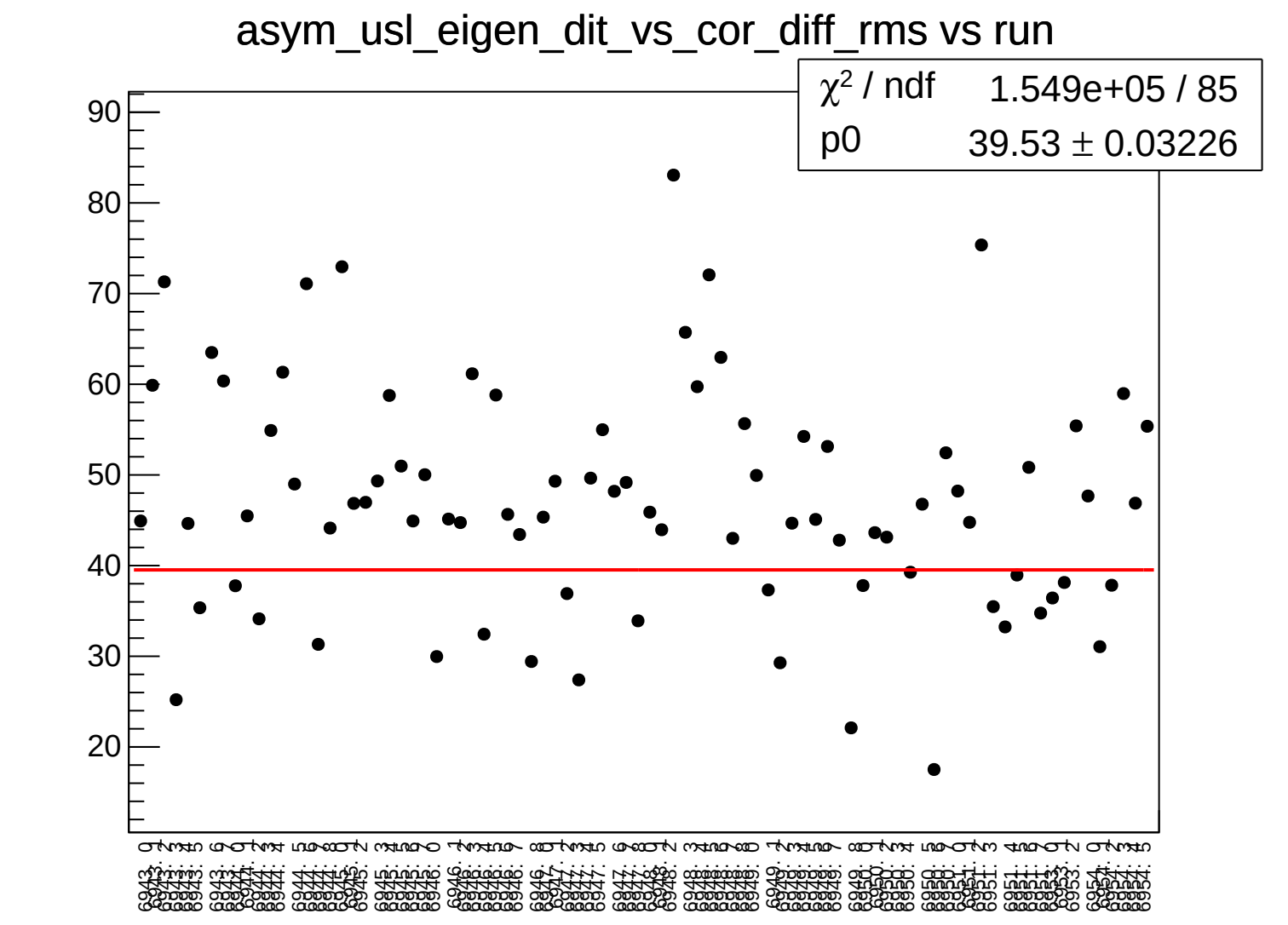

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.16 / 85
p0 −2.009e−05 ± 5.508e−06
pull
Entries 86
Mean −406.3
Std Dev 0

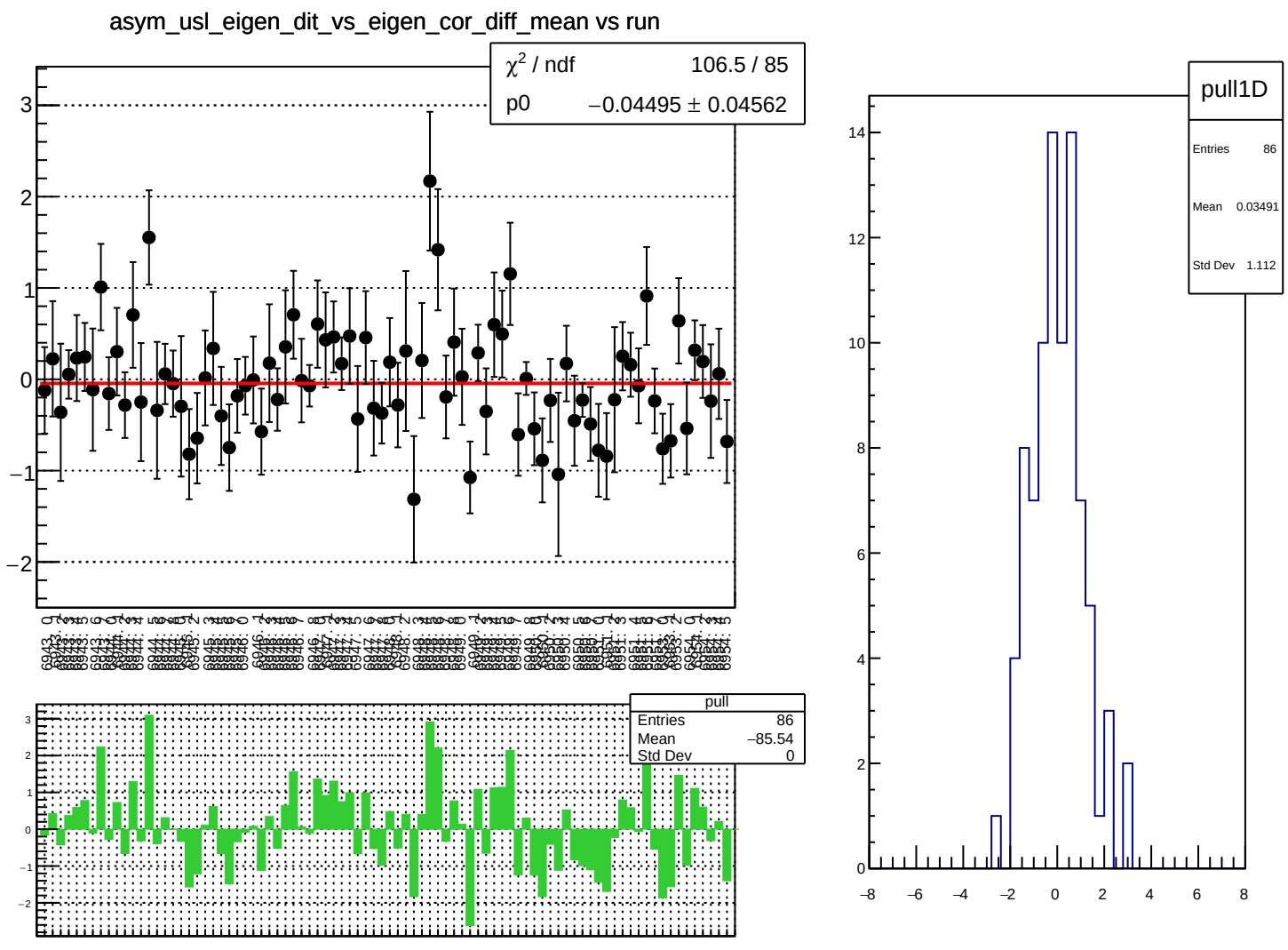

pull1D
Entries 86
Mean −0.001856
Std Dev 0.9951

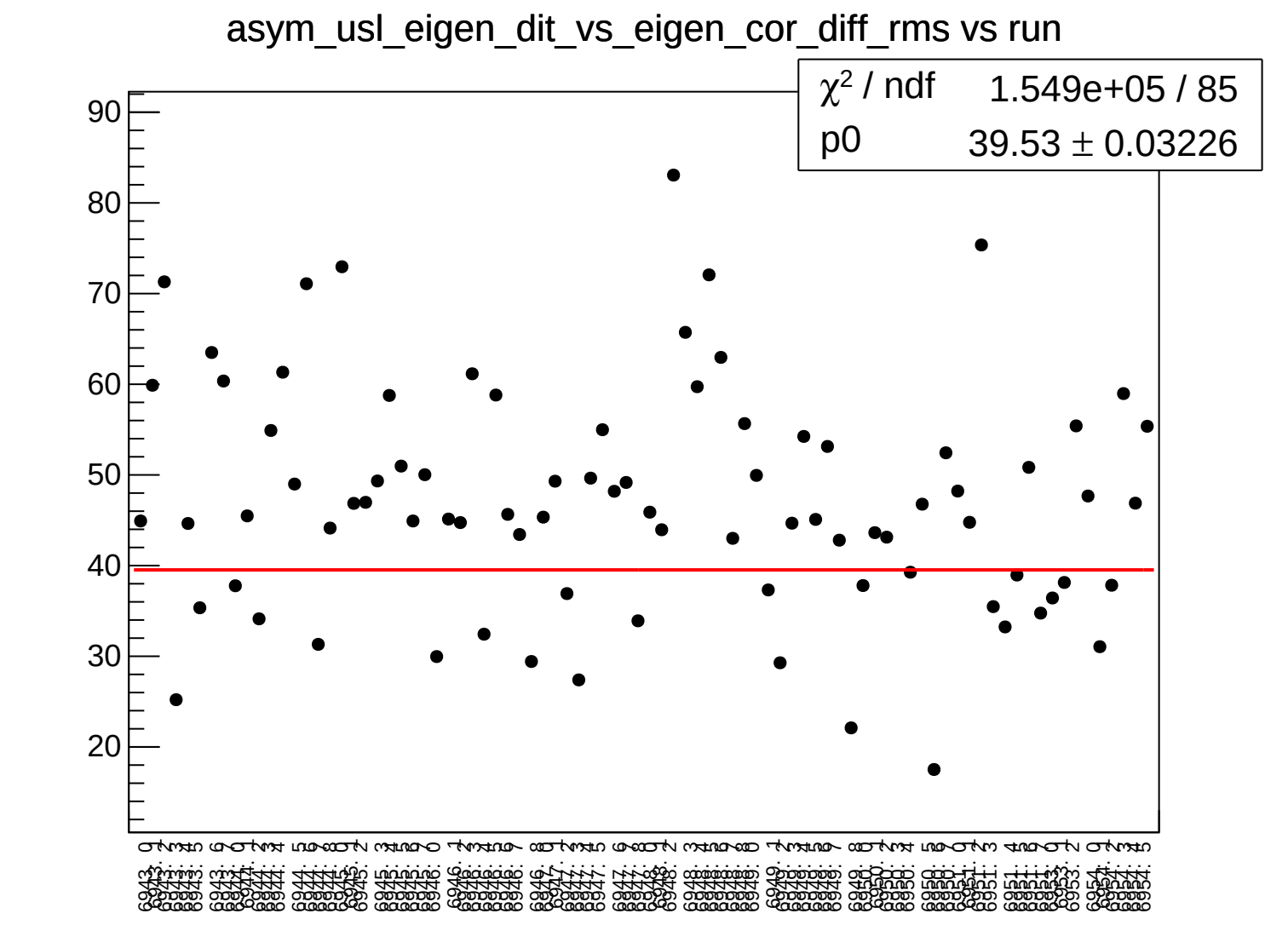
asym_usl_eigen_dit_vs_dit_diff_rms vs run

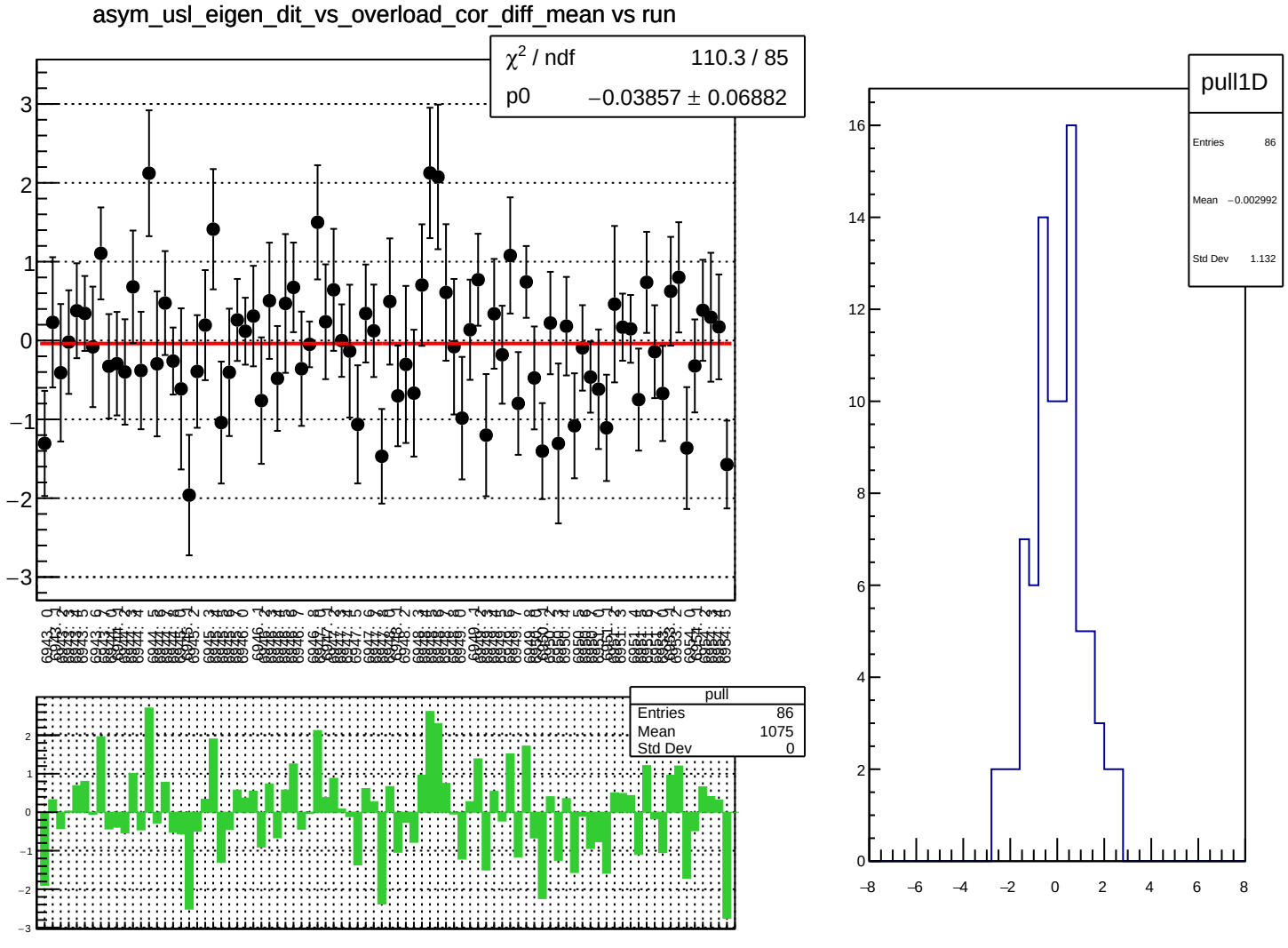


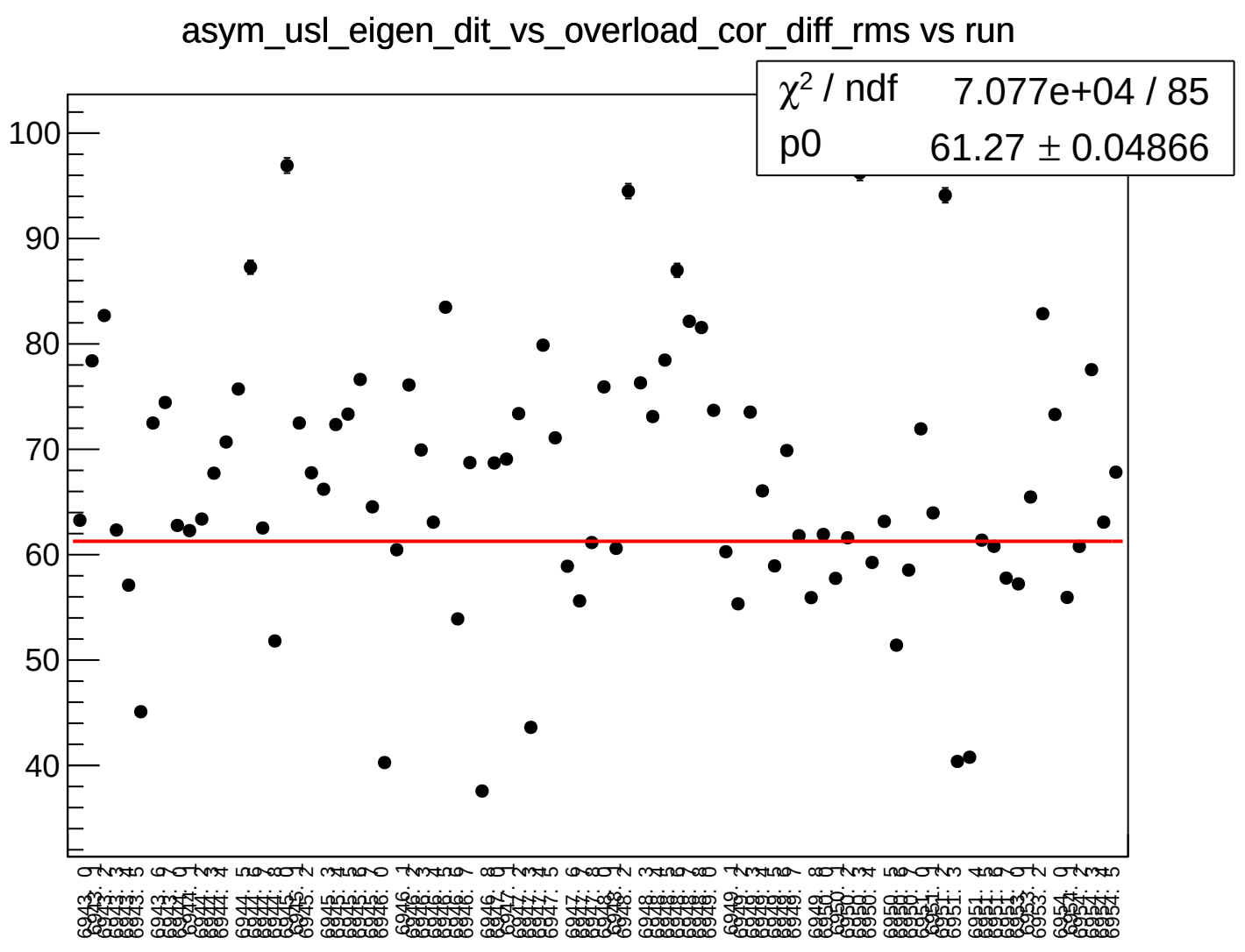

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.5 / 85
p0 −0.04495 ± 0.04562
pull
Entries 86
Mean −85.54
Std Dev 0
pull1D
Entries 86
Mean 0.03491
Std Dev 1.112

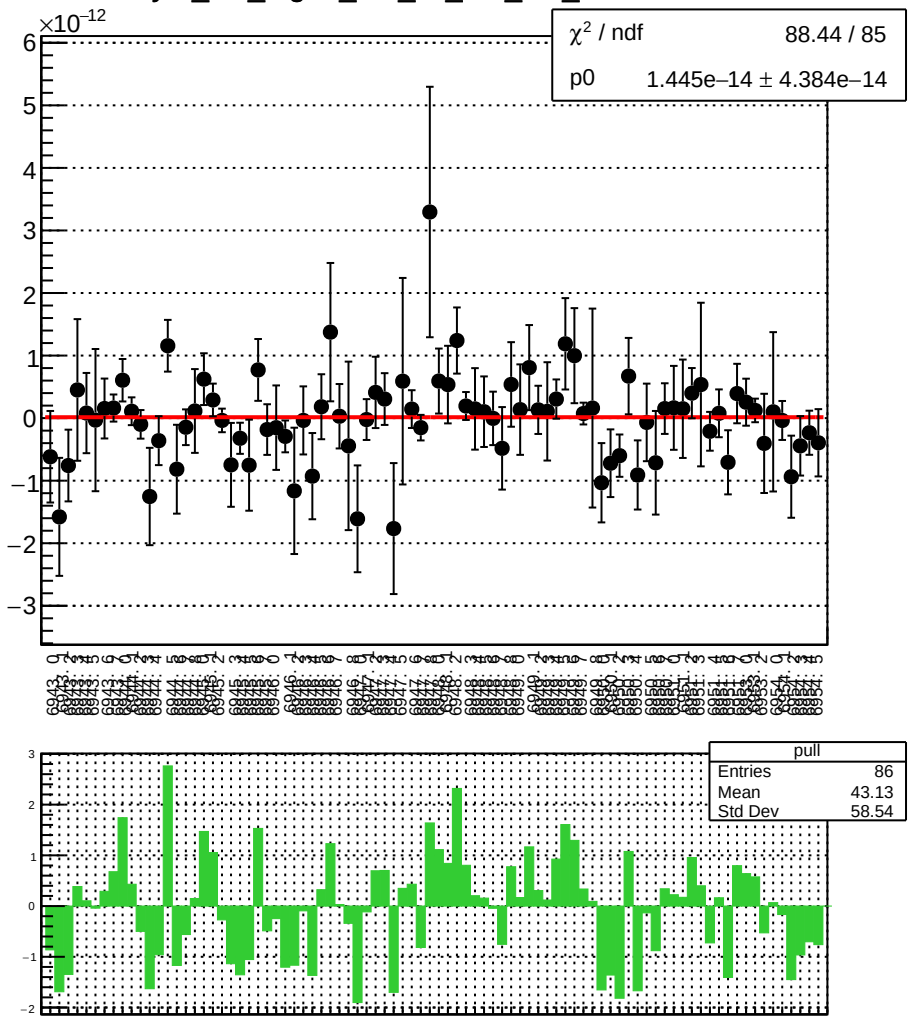

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 85
p0 39.53 ± 0.03226
90
80
70
60
50
40
30
20

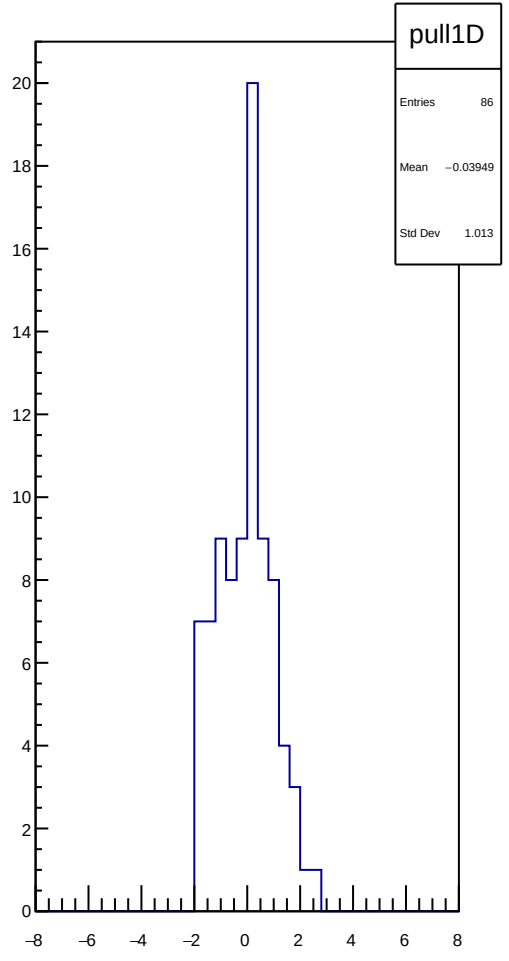

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.5 / 85
p0 −0.04495 ± 0.04562
pull
Entries 86
Mean −85.54
Std Dev 0
pull1D
Entries 86
Mean 0.03491
Std Dev 1.112

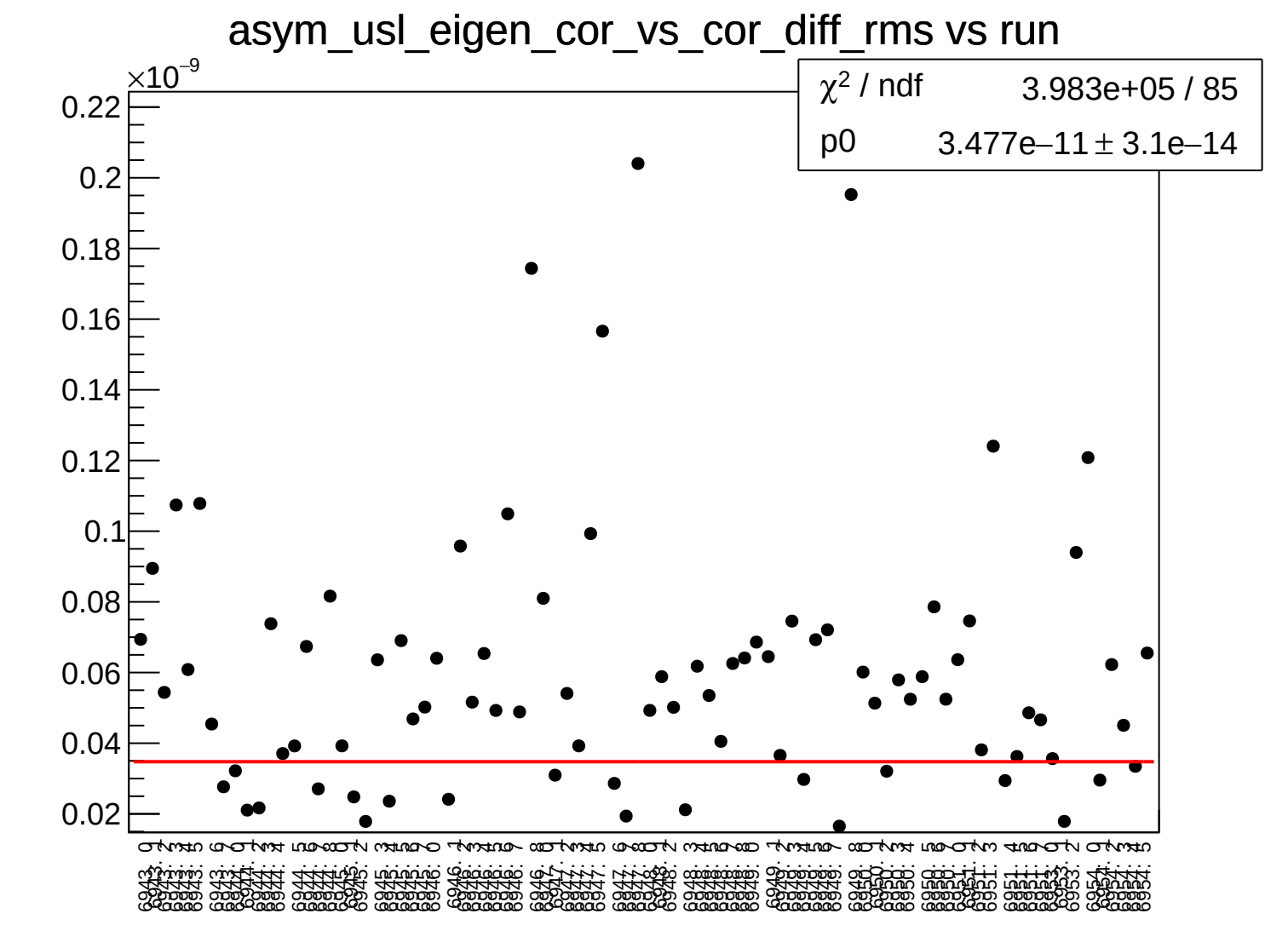

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+05 / 85
p0 39.53 ± 0.03226
90
80
70
60
50
40
30
20


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 110.3 / 85
p0 −0.03857 ± 0.06882
pull
Entries 86
Mean 1075
Std Dev 0
pull1D
Entries 86
Mean −0.002992
Std Dev 1.132

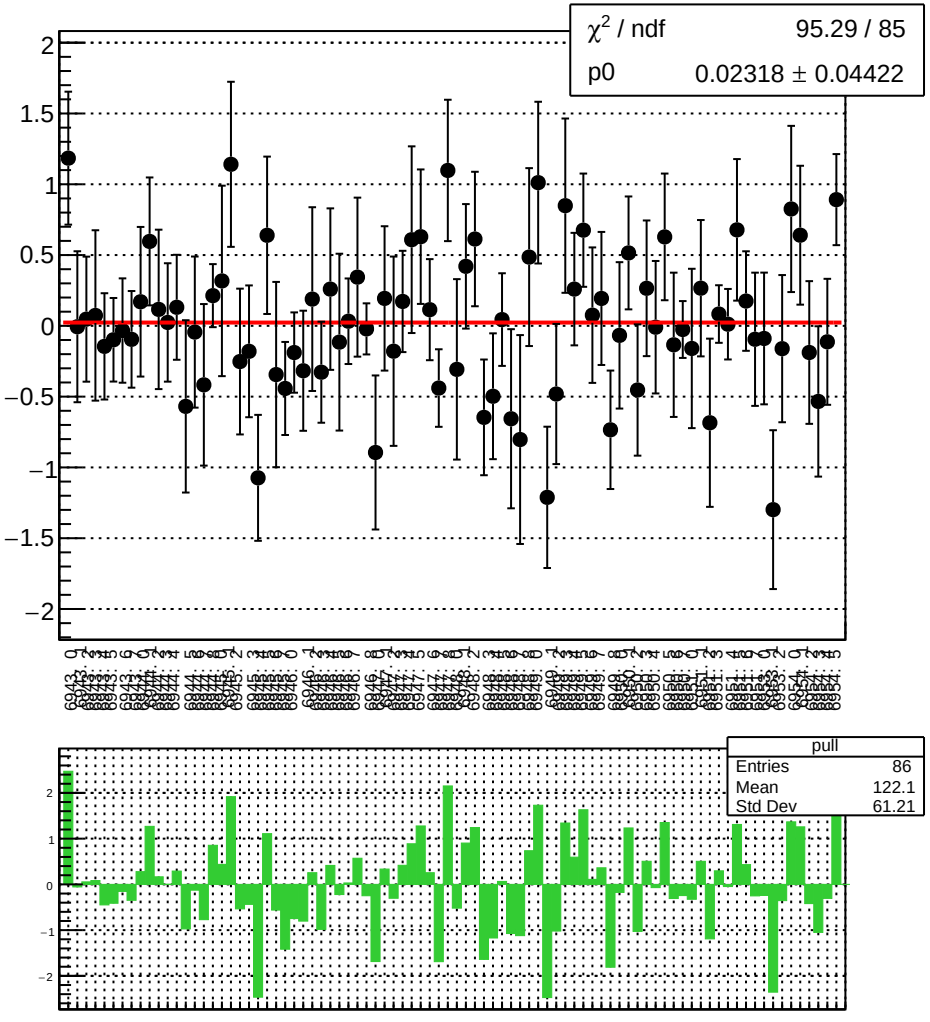

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.077e+04 / 85
p0 61.27 ± 0.04866
100
90
80
70
60
50
40

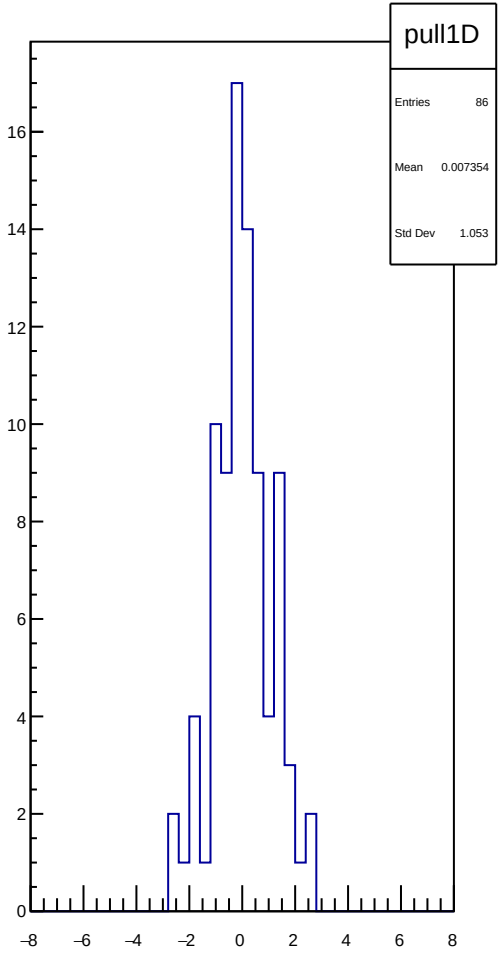

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.44 / 85
p0 1.445e−14 ± 4.384e−14
pull
Entries 86
Mean 43.13
Std Dev 58.54

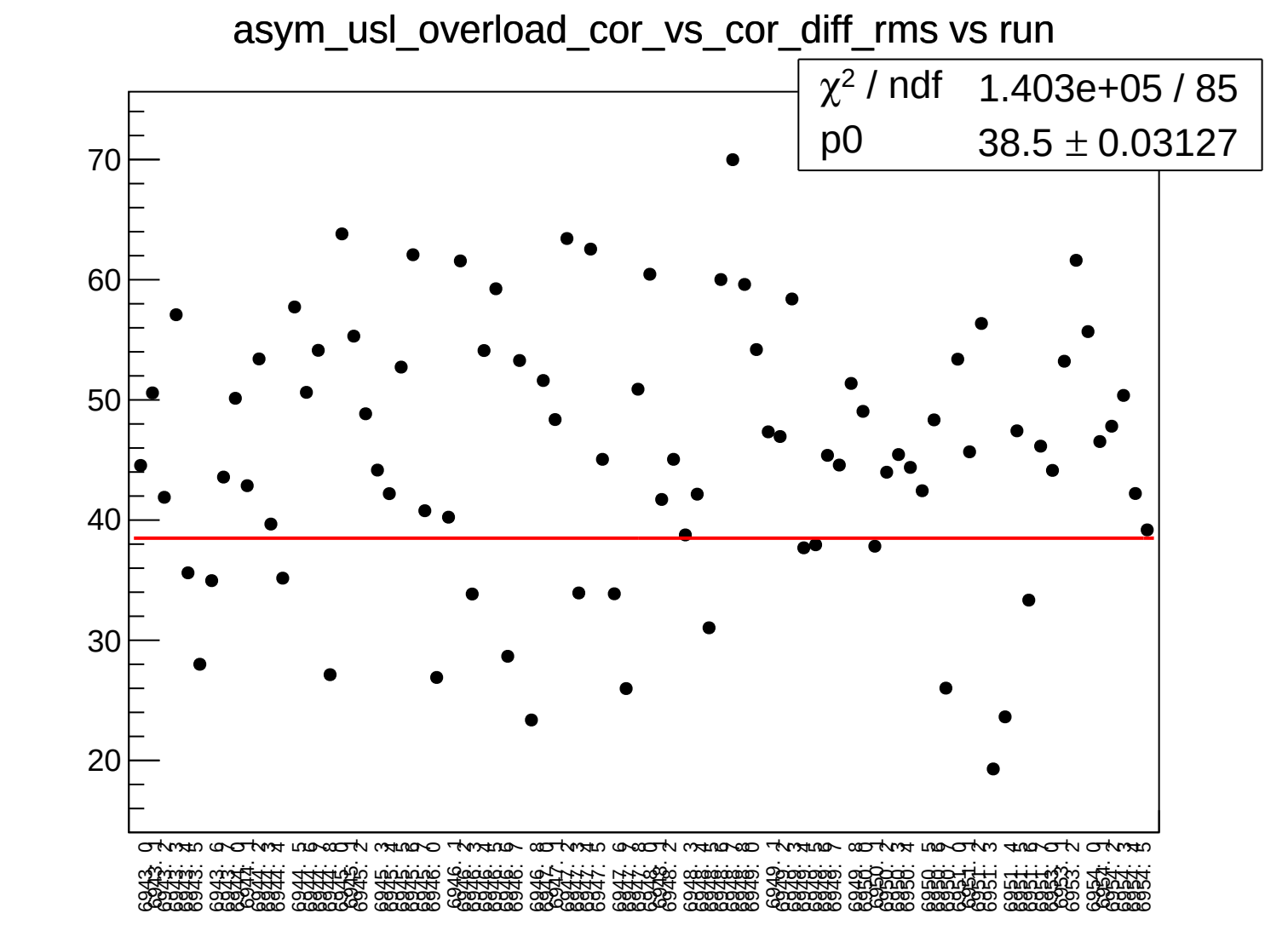

pull1D
Entries 86
Mean −0.03949
Std Dev 1.013

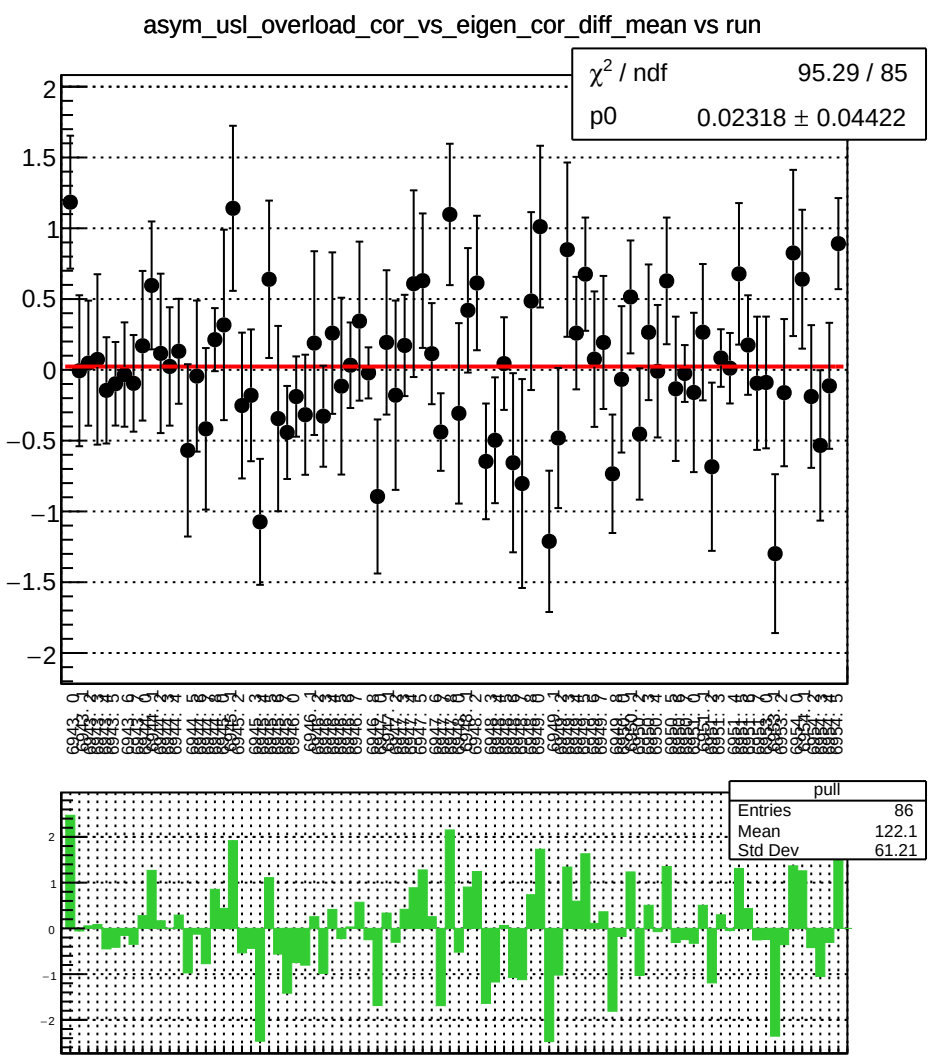

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.983e+05 / 85
p0 3.477e−11 ± 3.1e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

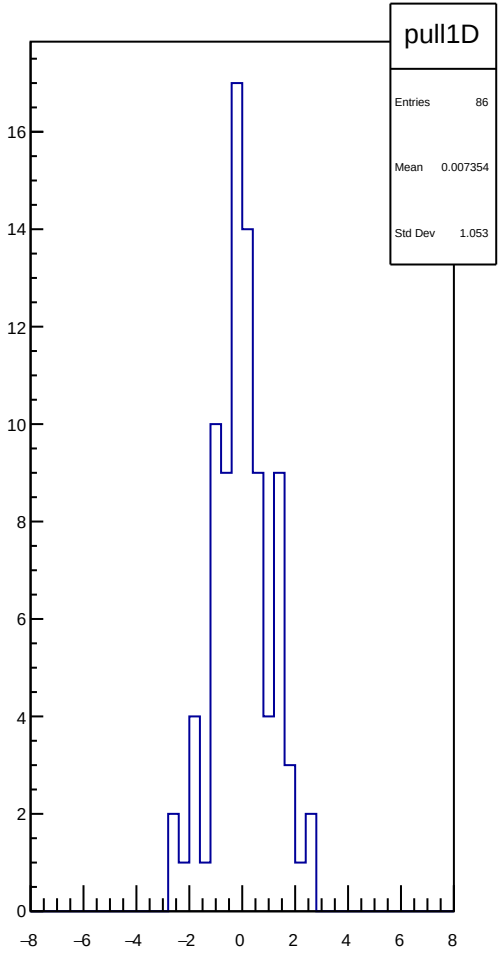
asym_usl_overload_cor_vs_cor_diff_mean vs run

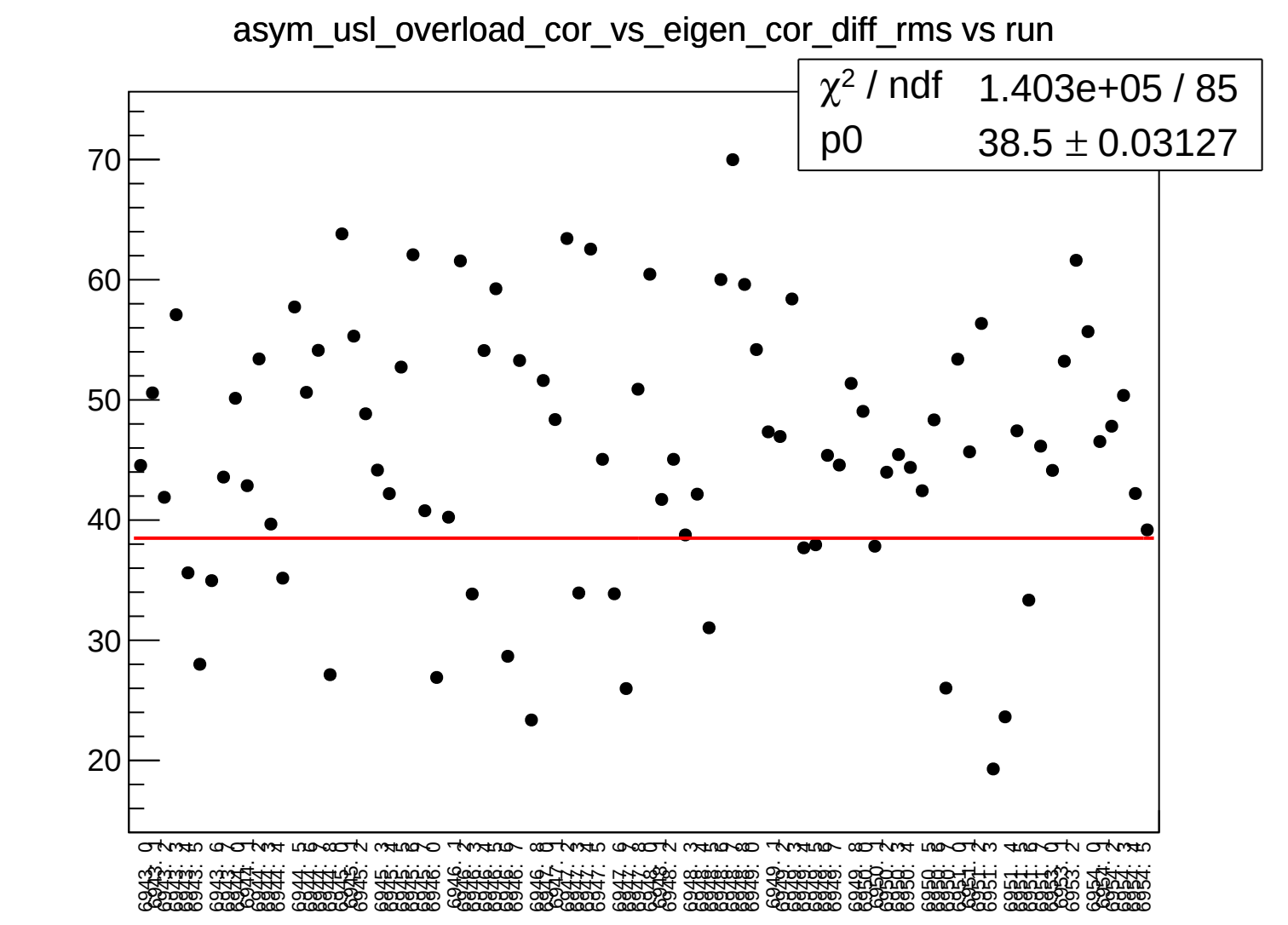


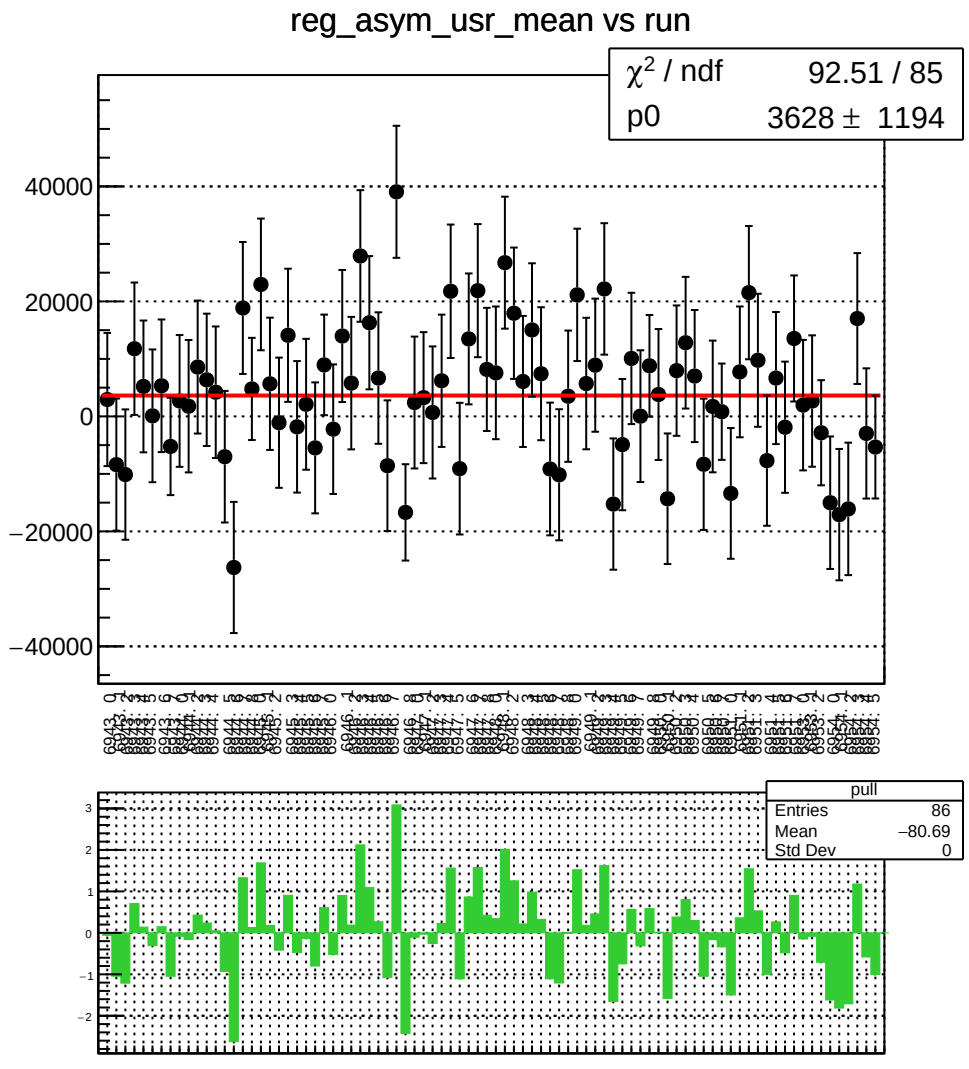


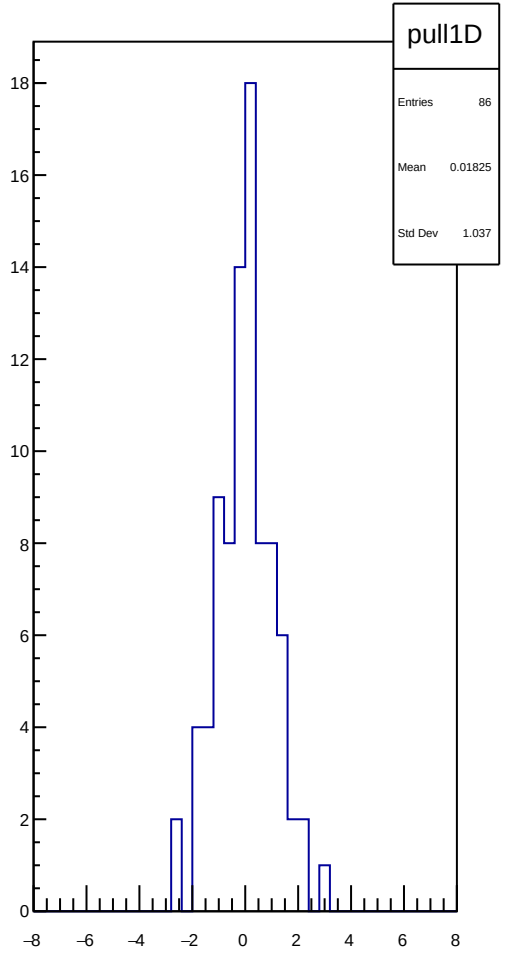

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.403e+05 / 85
p0 38.5 ± 0.03127
70
60
50
40
30
20

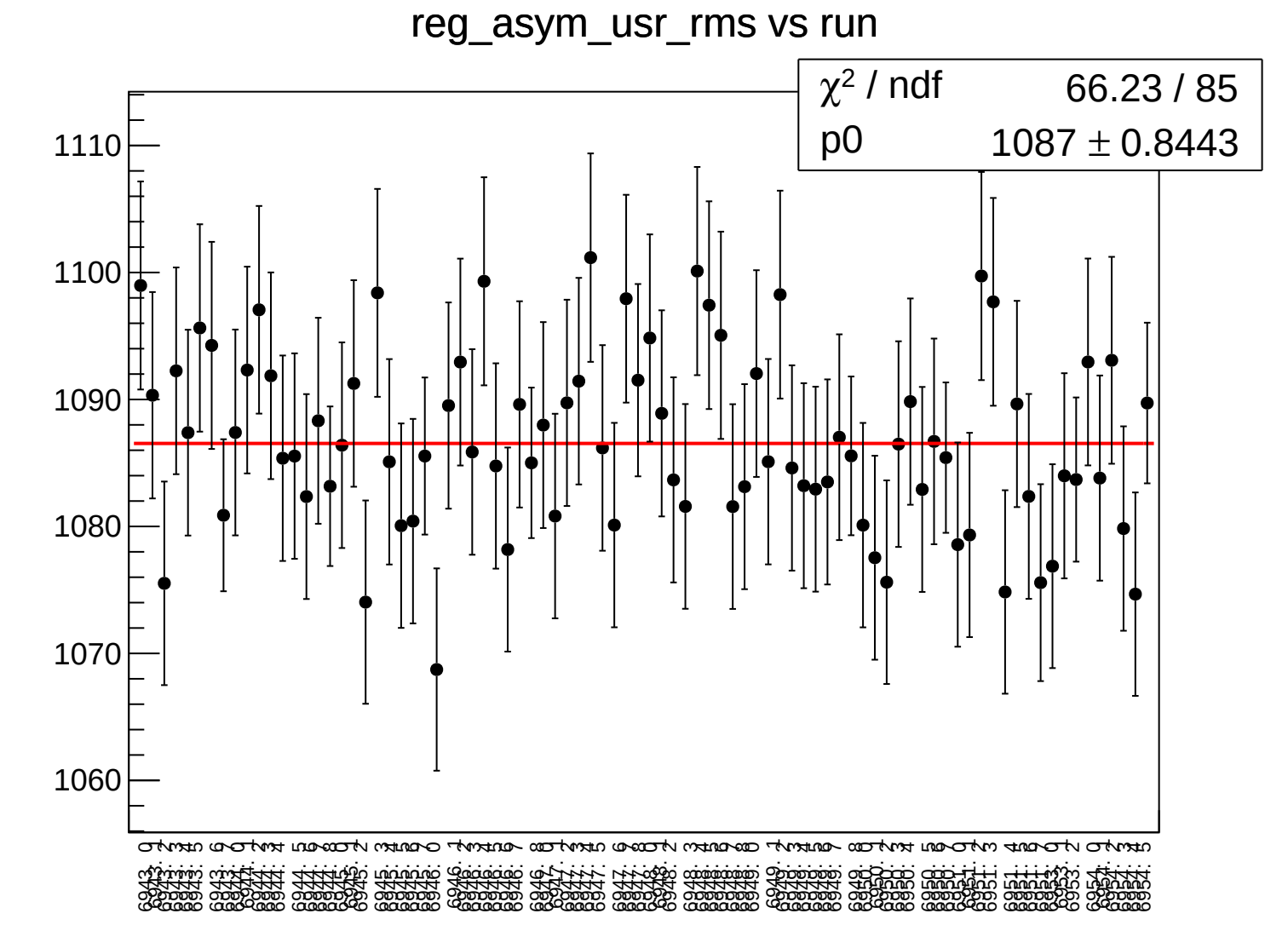

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.29 / 85
p0 0.02318 ± 0.04422
pull
Entries 86
Mean 122.1
Std Dev 61.21

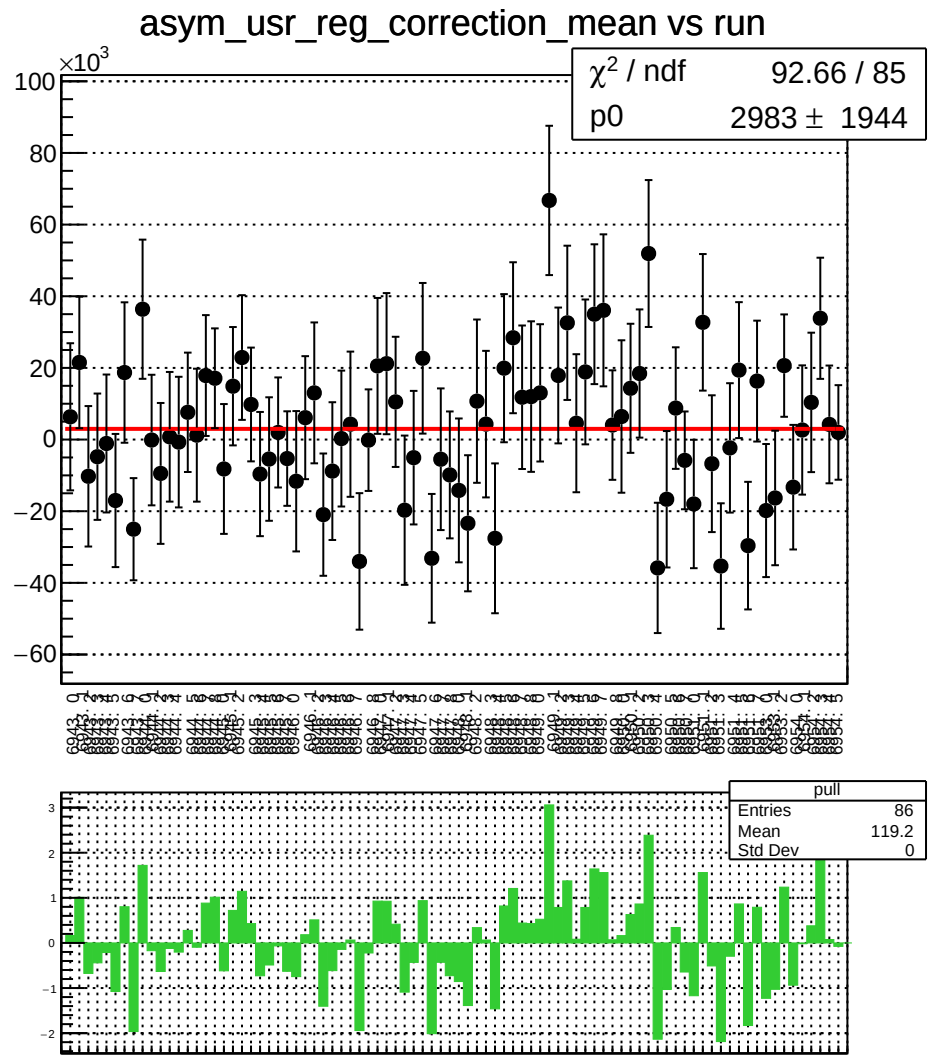

pull1D
Entries 86
Mean 0.007354
Std Dev 1.053

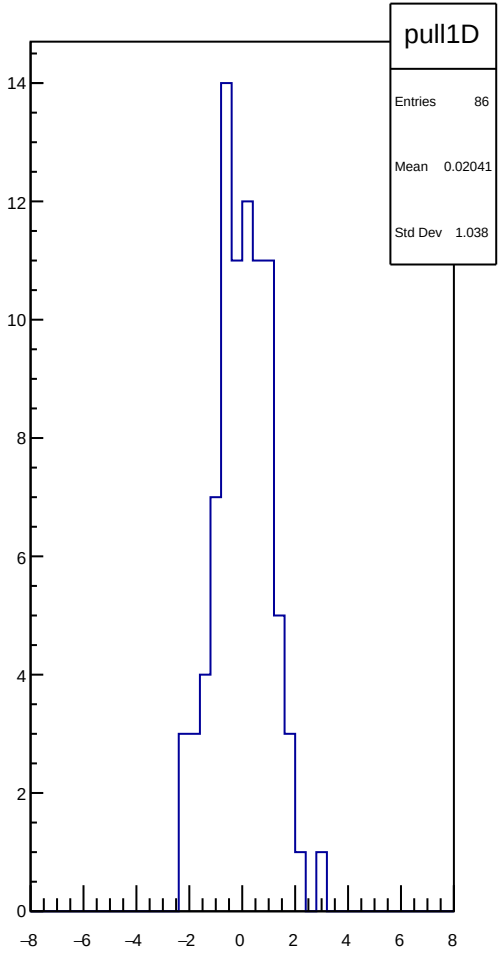

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.403e+05 / 85
p0 38.5 ± 0.03127
70
60
50
40
30
20

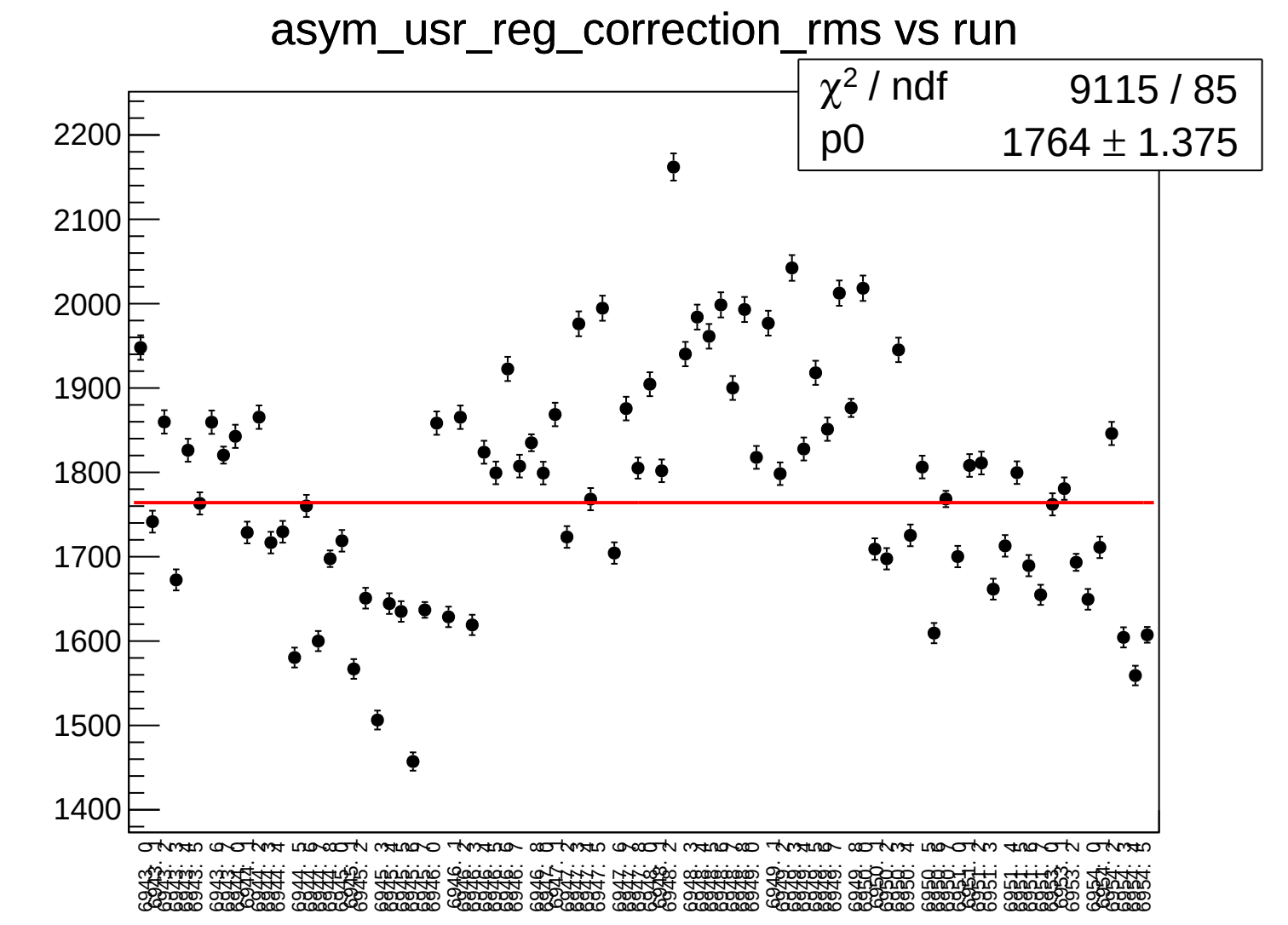

reg_asym_usr_mean vs run
χ² / ndf 92.51 / 85
p0 3628 ± 1194
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −80.69
Std Dev 0
3
2
1
0
−1
−2

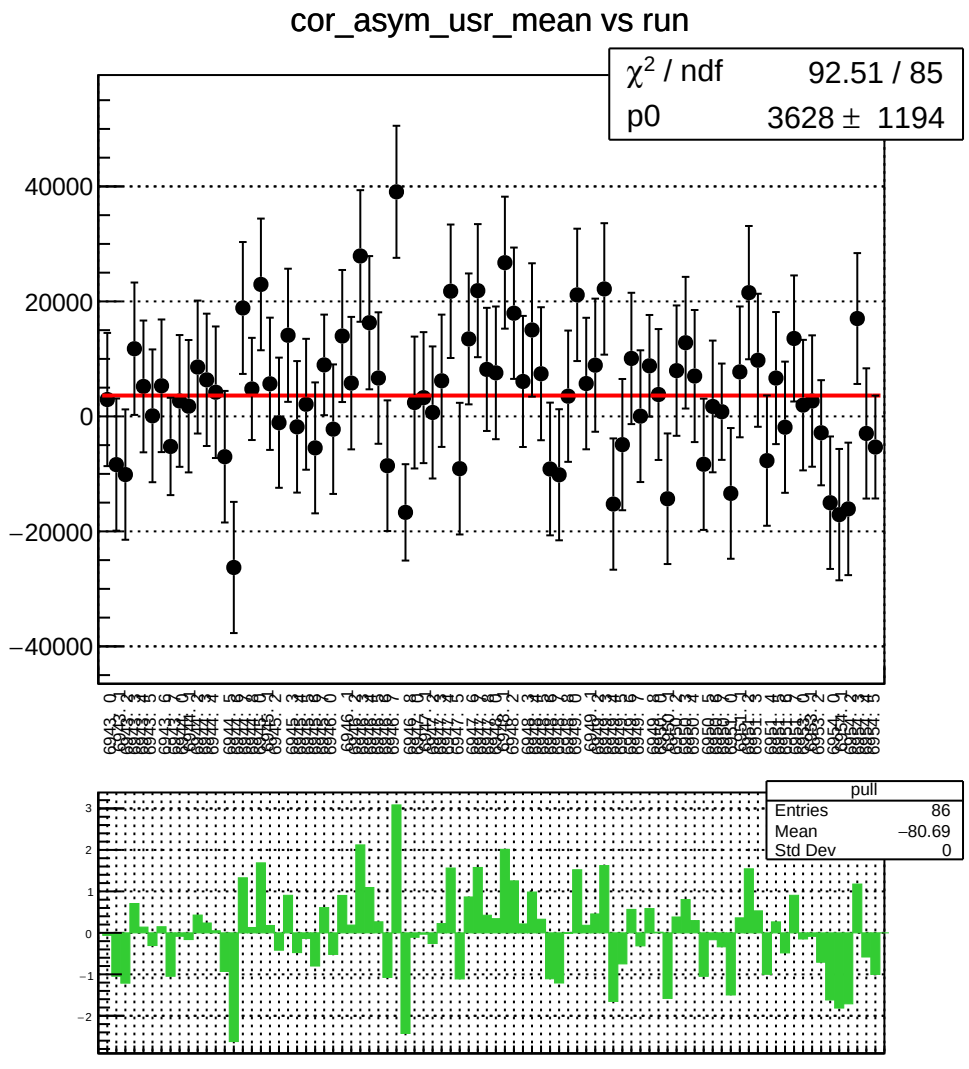

pull1D
Entries 86
Mean 0.01825
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

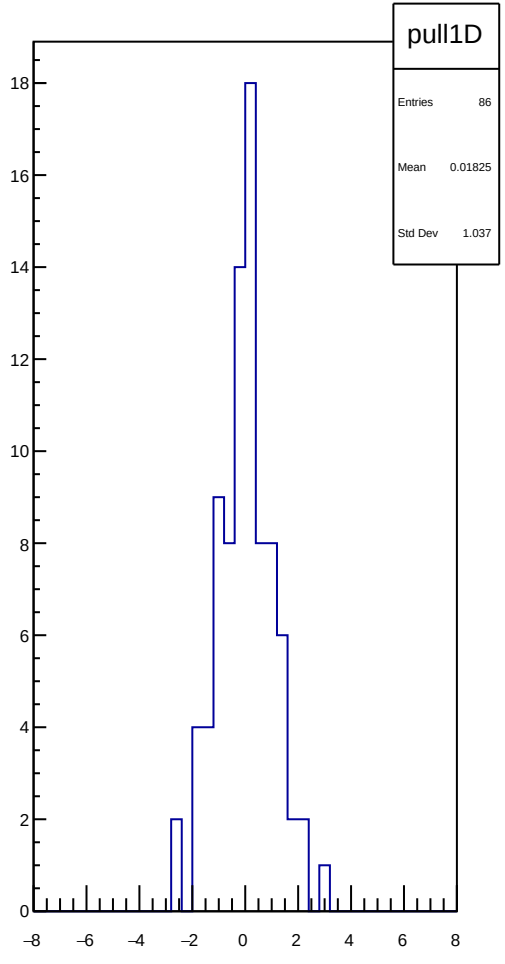

reg_asym_usr_rms vs run
χ² / ndf 66.23 / 85
p0 1087 ± 0.8443
1110
1100
1090
1080
1070
1060

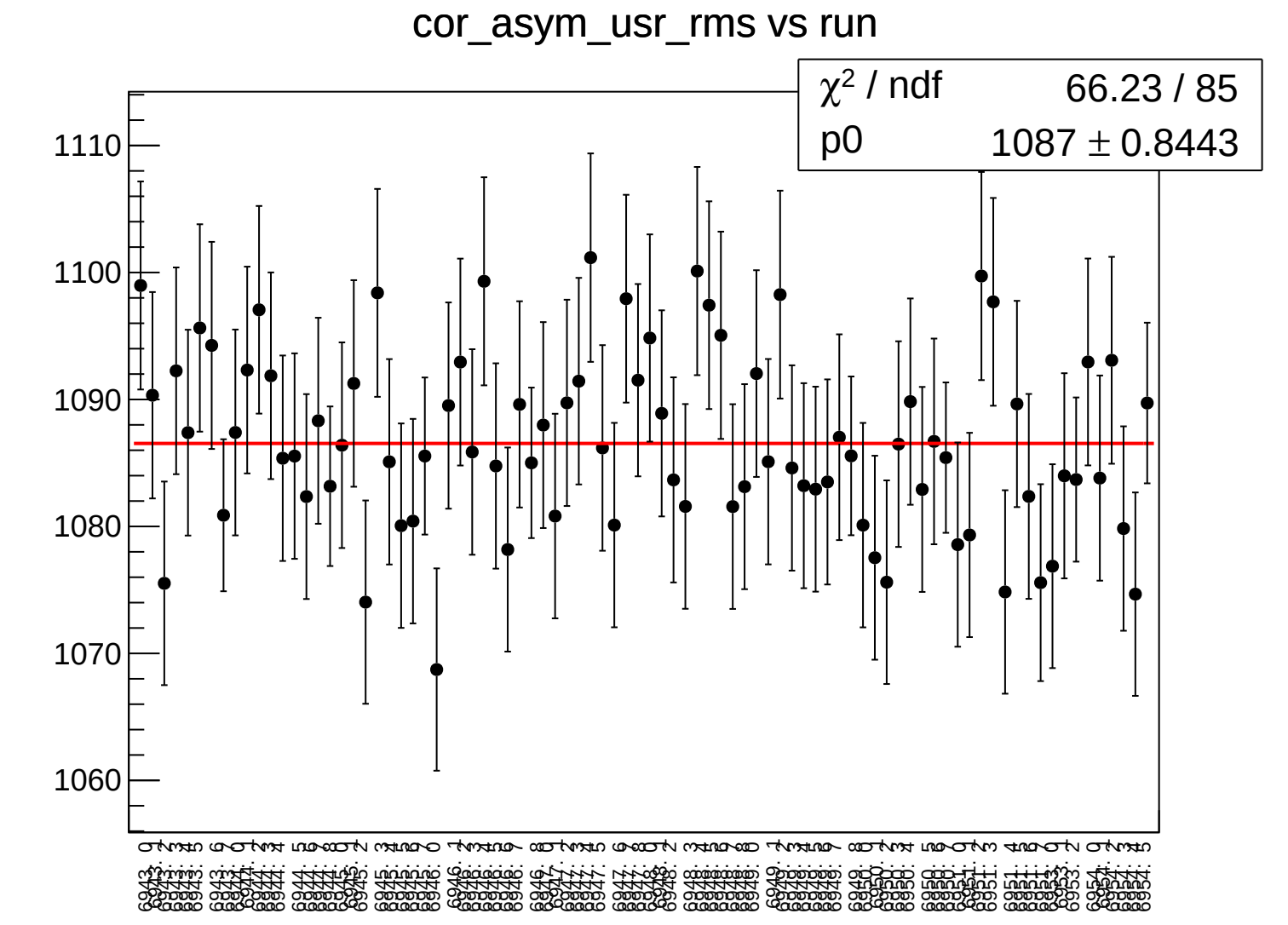

asym_usr_reg_correction_mean vs run
χ^2 / ndf 92.66 / 85
p0 2983 ± 1944
×10^3
pull
Entries 86
Mean 119.2
Std Dev 0

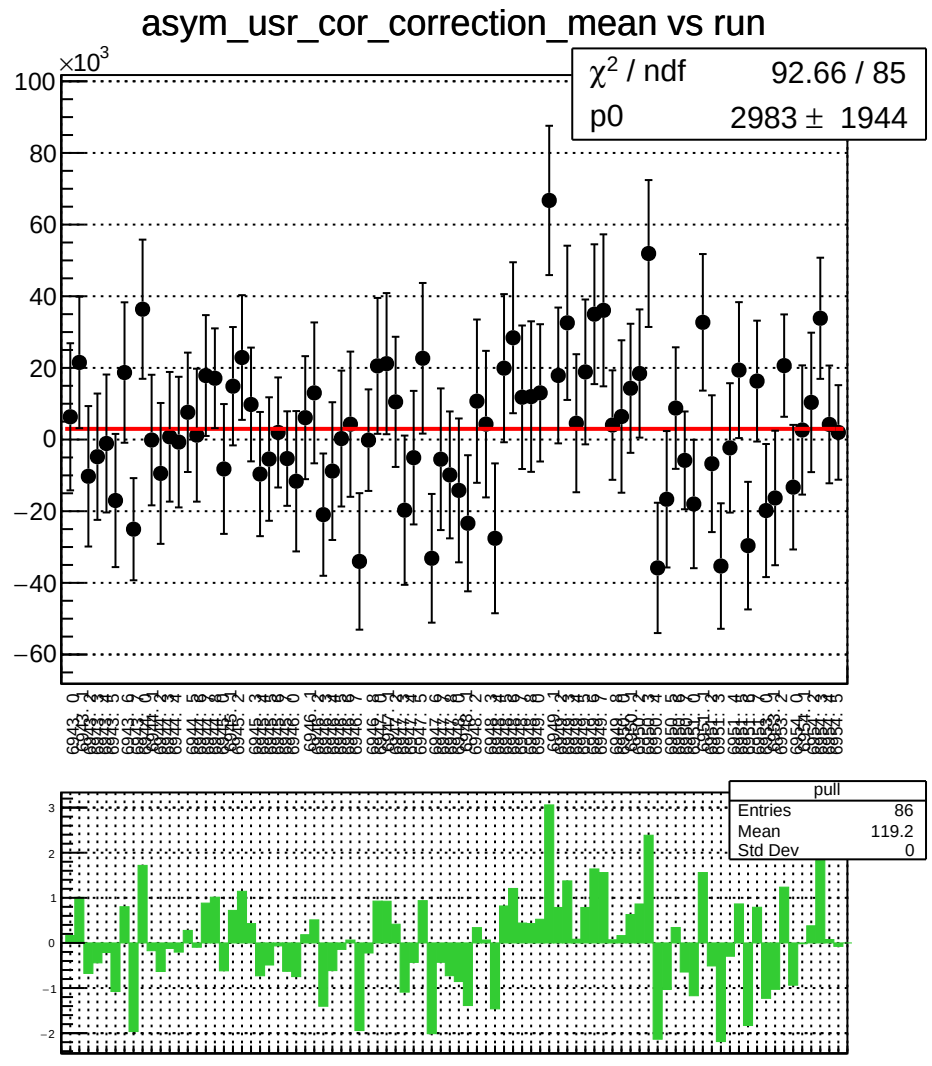

pull1D
Entries 86
Mean 0.02041
Std Dev 1.038

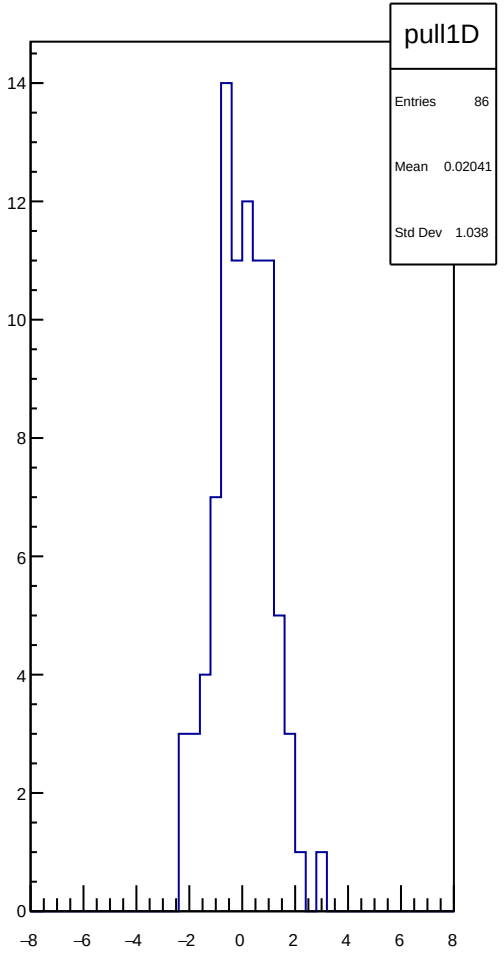

asym_usr_reg_correction_rms vs run
χ² / ndf 9115 / 85
p0 1764 ± 1.375
2200
2100
2000
1900
1800
1700
1600
1500
1400

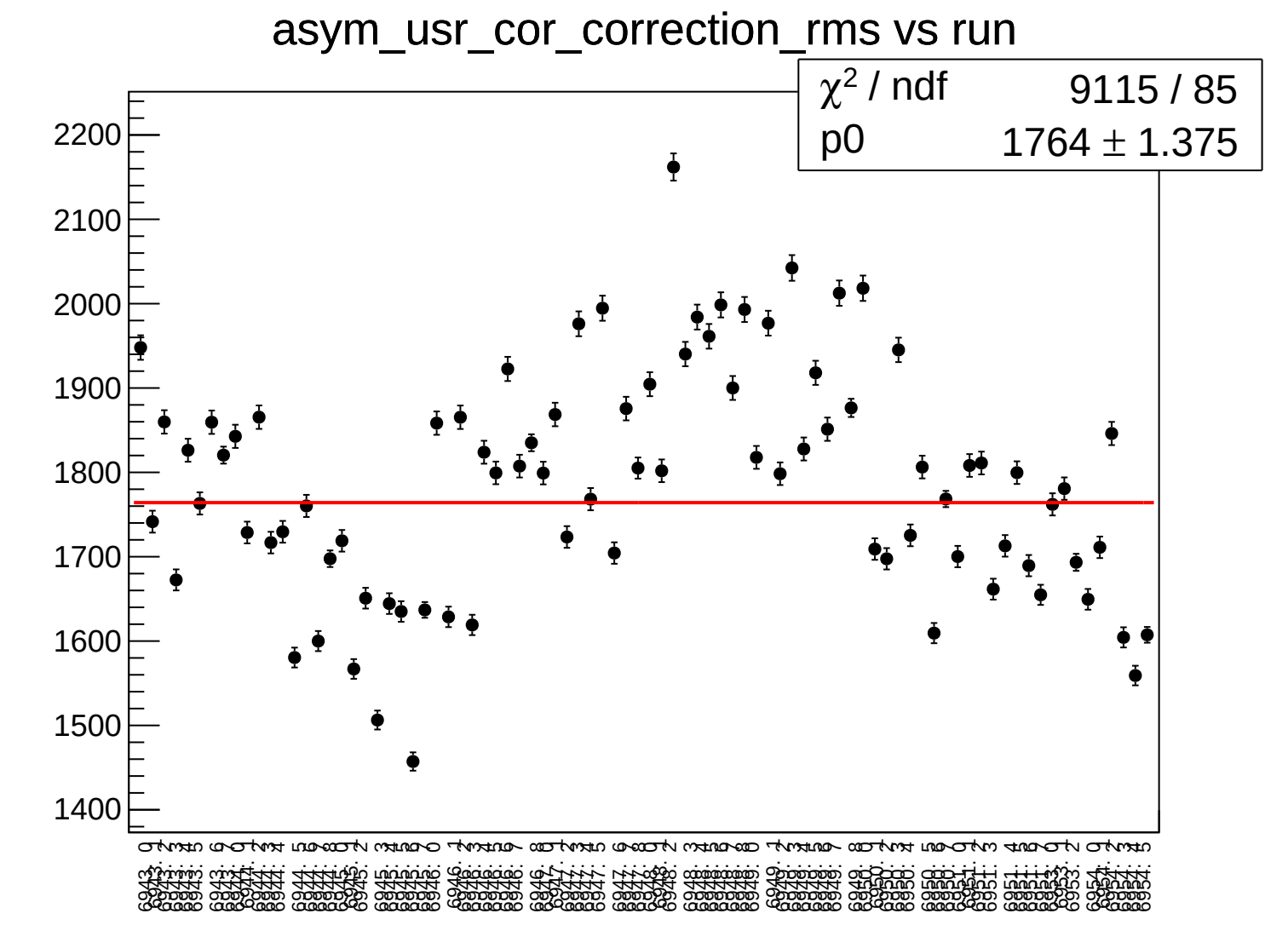

cor_asym_usr_mean vs run
χ² / ndf 92.51 / 85
p0 3628 ± 1194
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −80.69
Std Dev 0
3
2
1
0
−1
−2

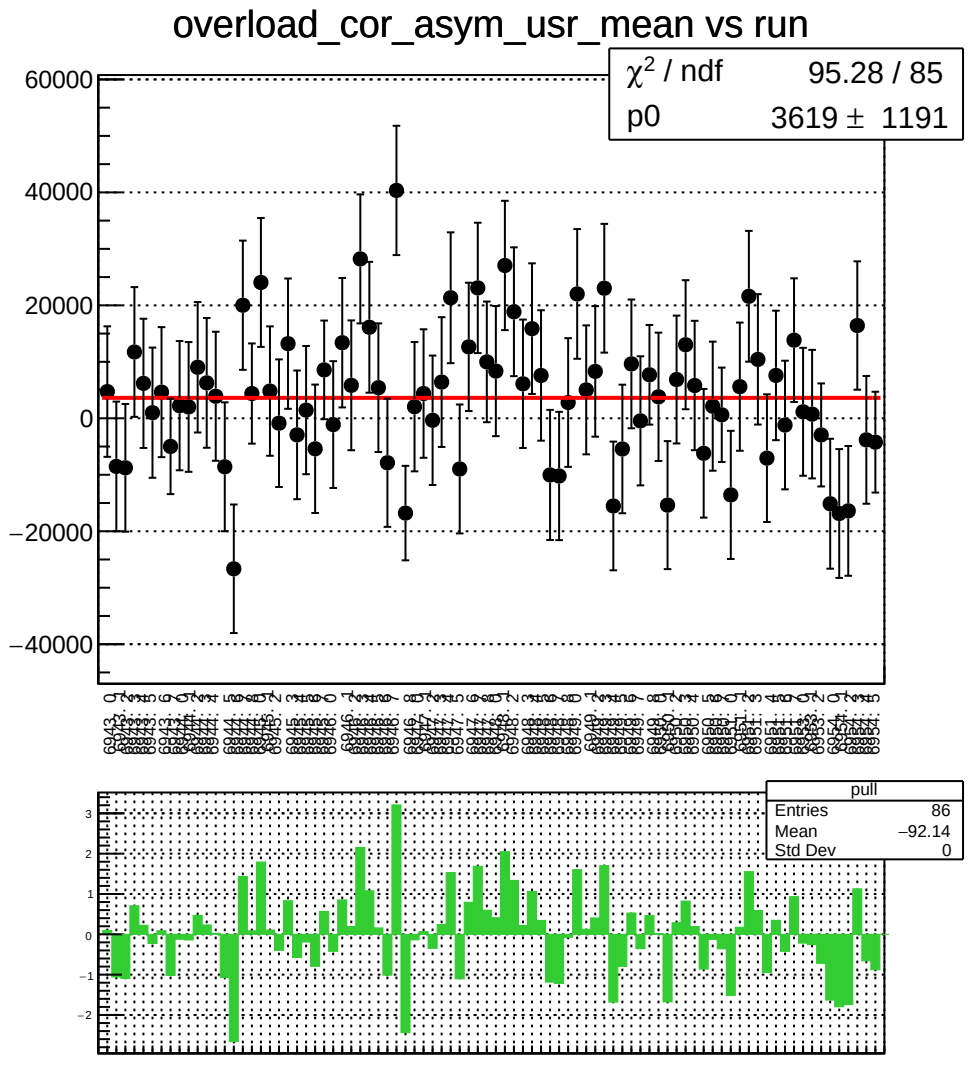

pull1D
Entries 86
Mean 0.01825
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

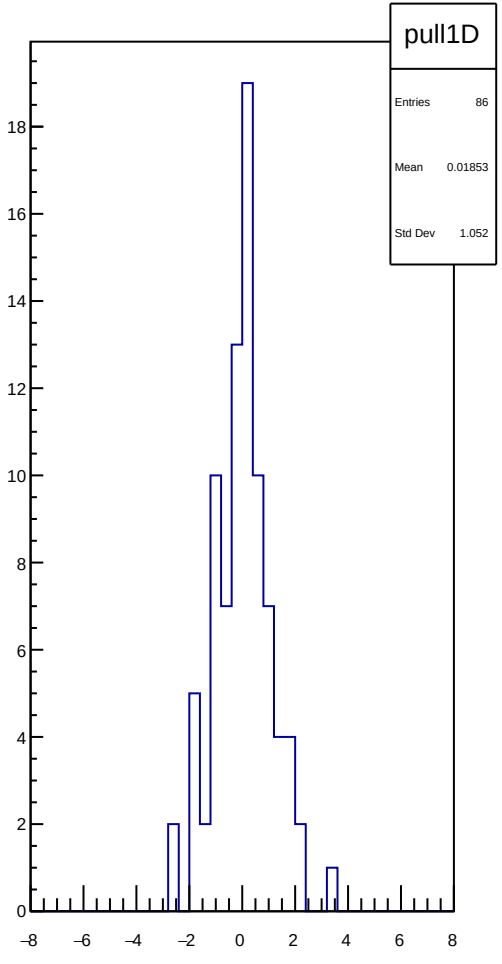

cor_asym_usr_rms vs run
χ² / ndf 66.23 / 85
p0 1087 ± 0.8443
1110
1100
1090
1080
1070
1060

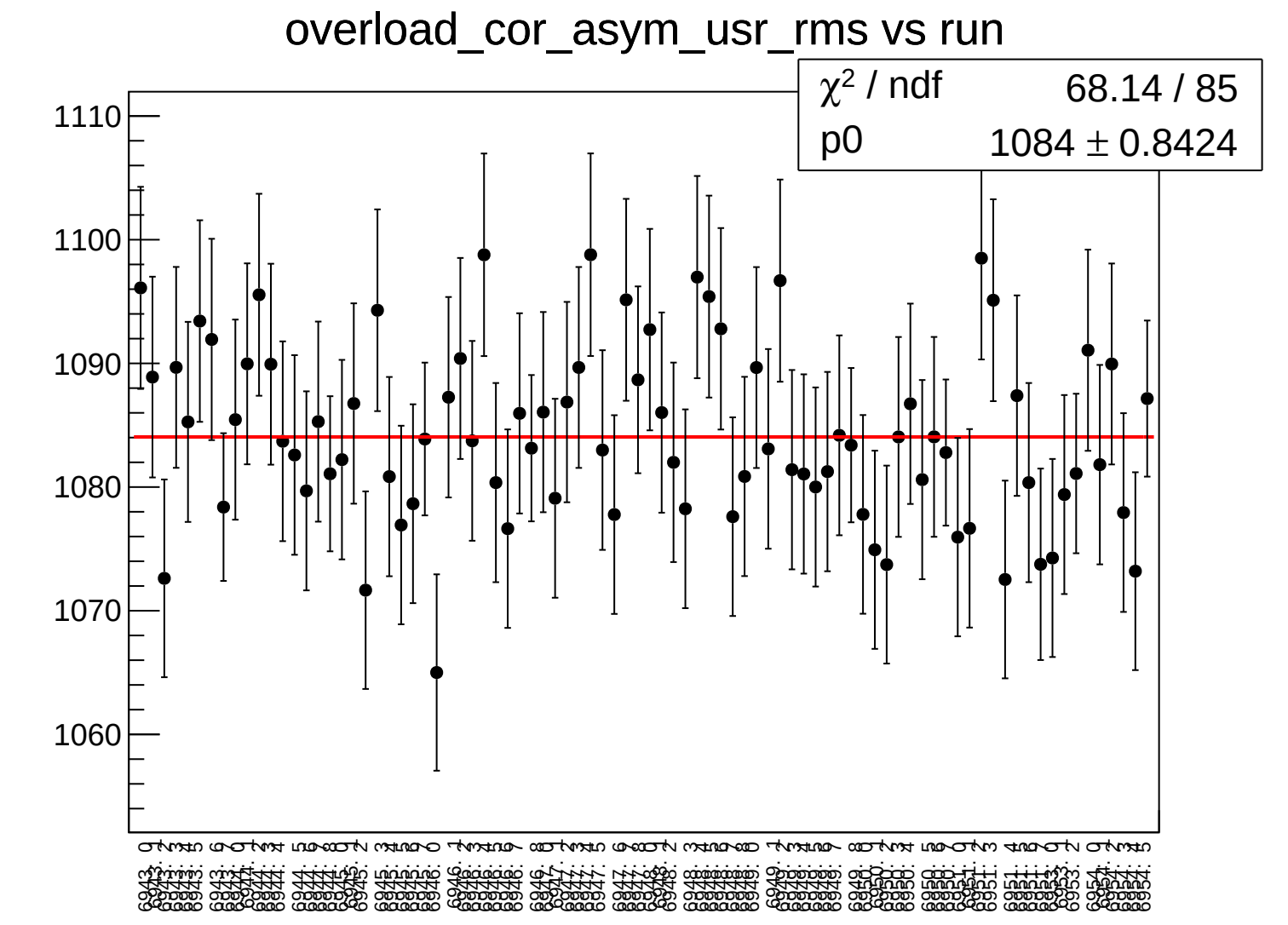

asym_usr_cor_correction_mean vs run
χ^2 / ndf 92.66 / 85
p0 2983 ± 1944
×10^3
pull
Entries 86
Mean 119.2
Std Dev 0

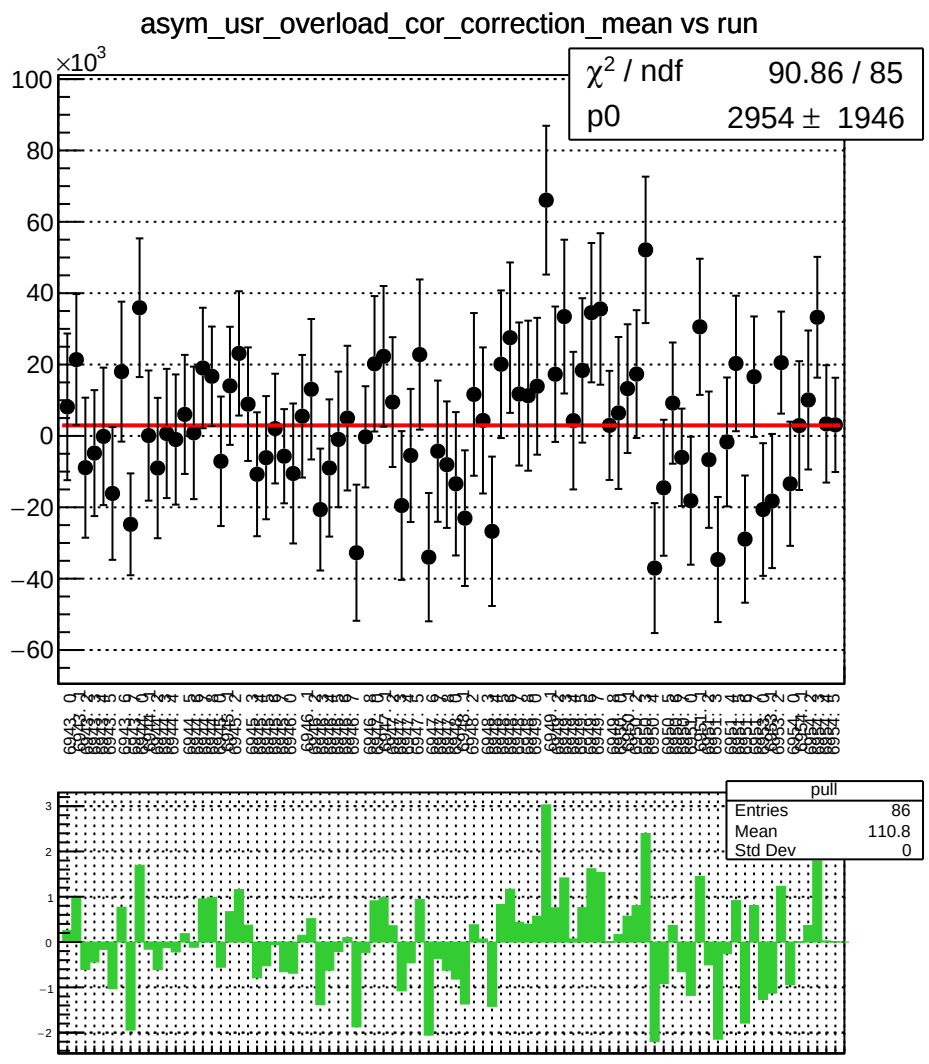

pull1D
Entries 86
Mean 0.02041
Std Dev 1.038

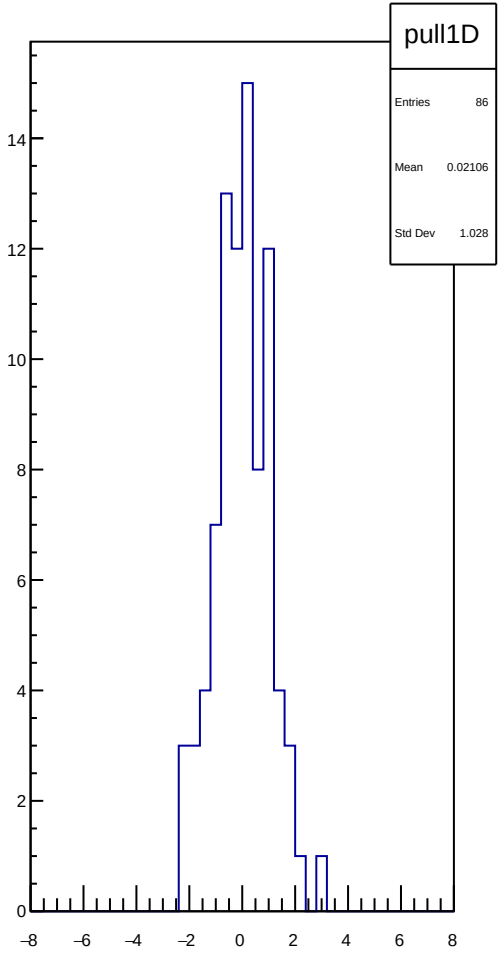

asym_usr_cor_correction_rms vs run
χ² / ndf 9115 / 85
p0 1764 ± 1.375
2200
2100
2000
1900
1800
1700
1600
1500
1400

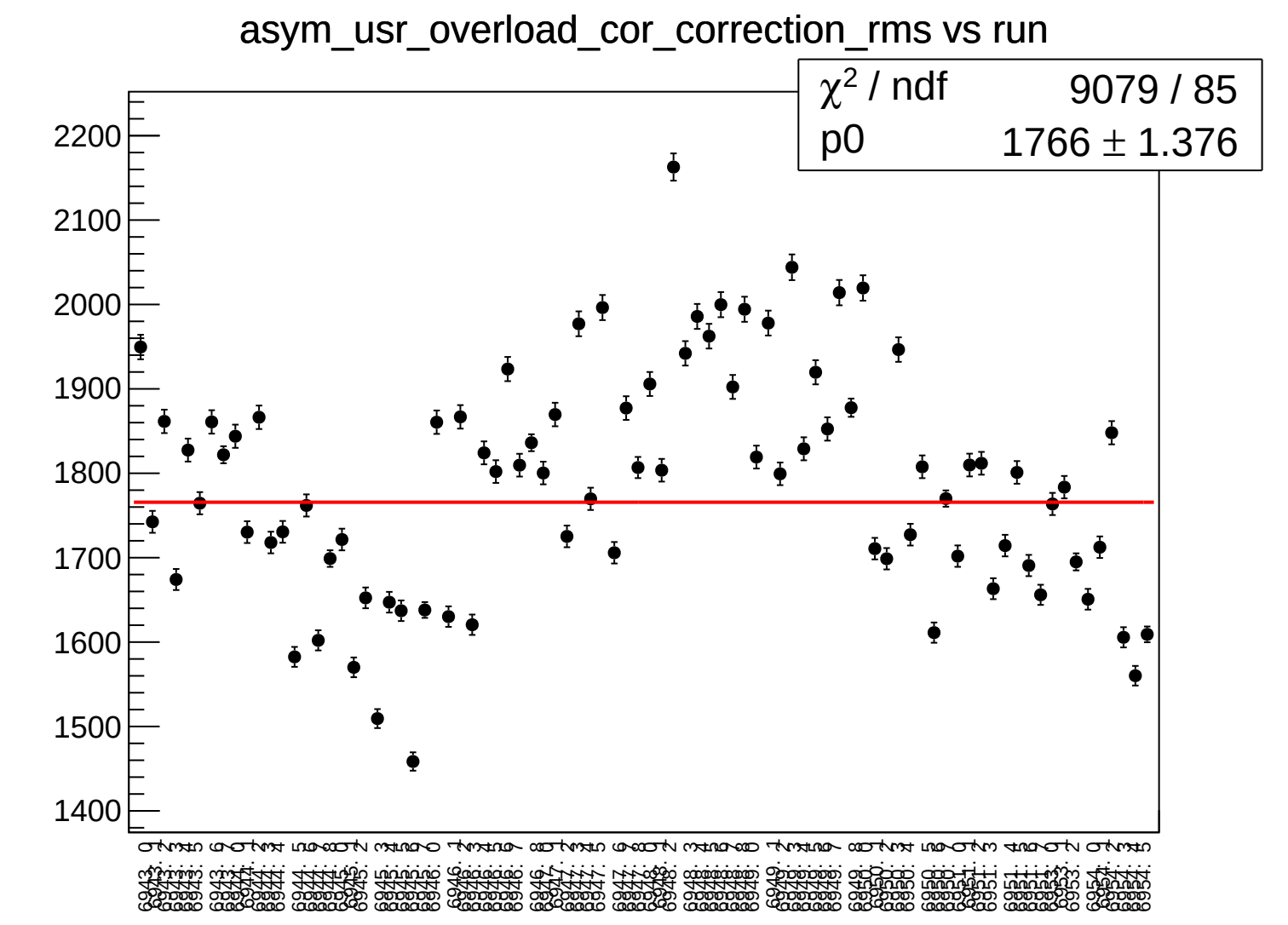

overload_cor_asym_usr_mean vs run
χ² / ndf 95.28 / 85
p0 3619 ± 1191
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −92.14
Std Dev 0
3
2
1
0
−1
−2

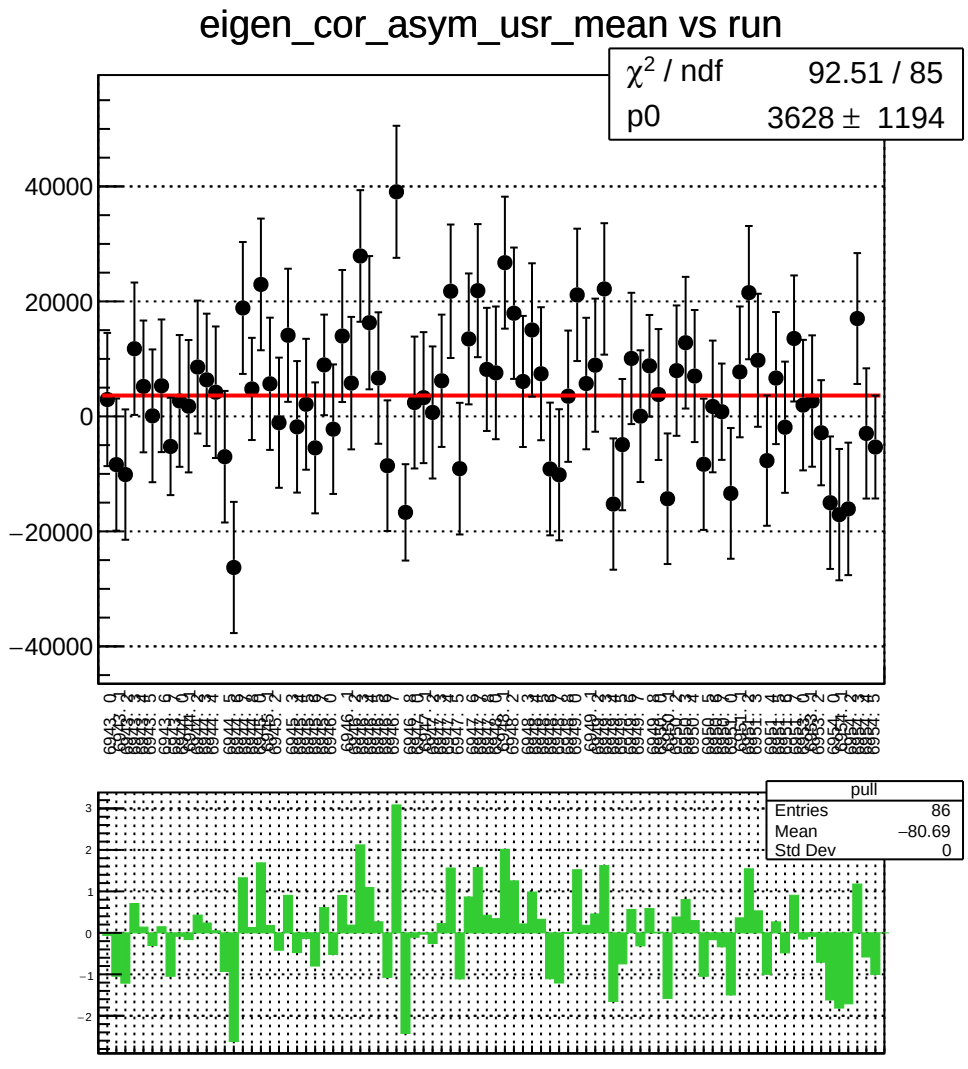

pull1D
Entries 86
Mean 0.01853
Std Dev 1.052
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

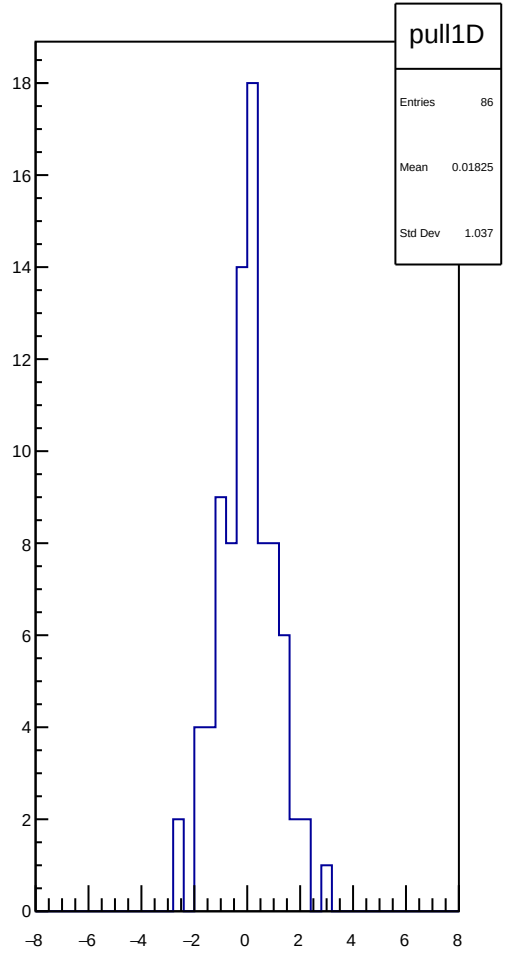

overload_cor_asym_usr_rms vs run
χ² / ndf 68.14 / 85
p0 1084 ± 0.8424
1110
1100
1090
1080
1070
1060

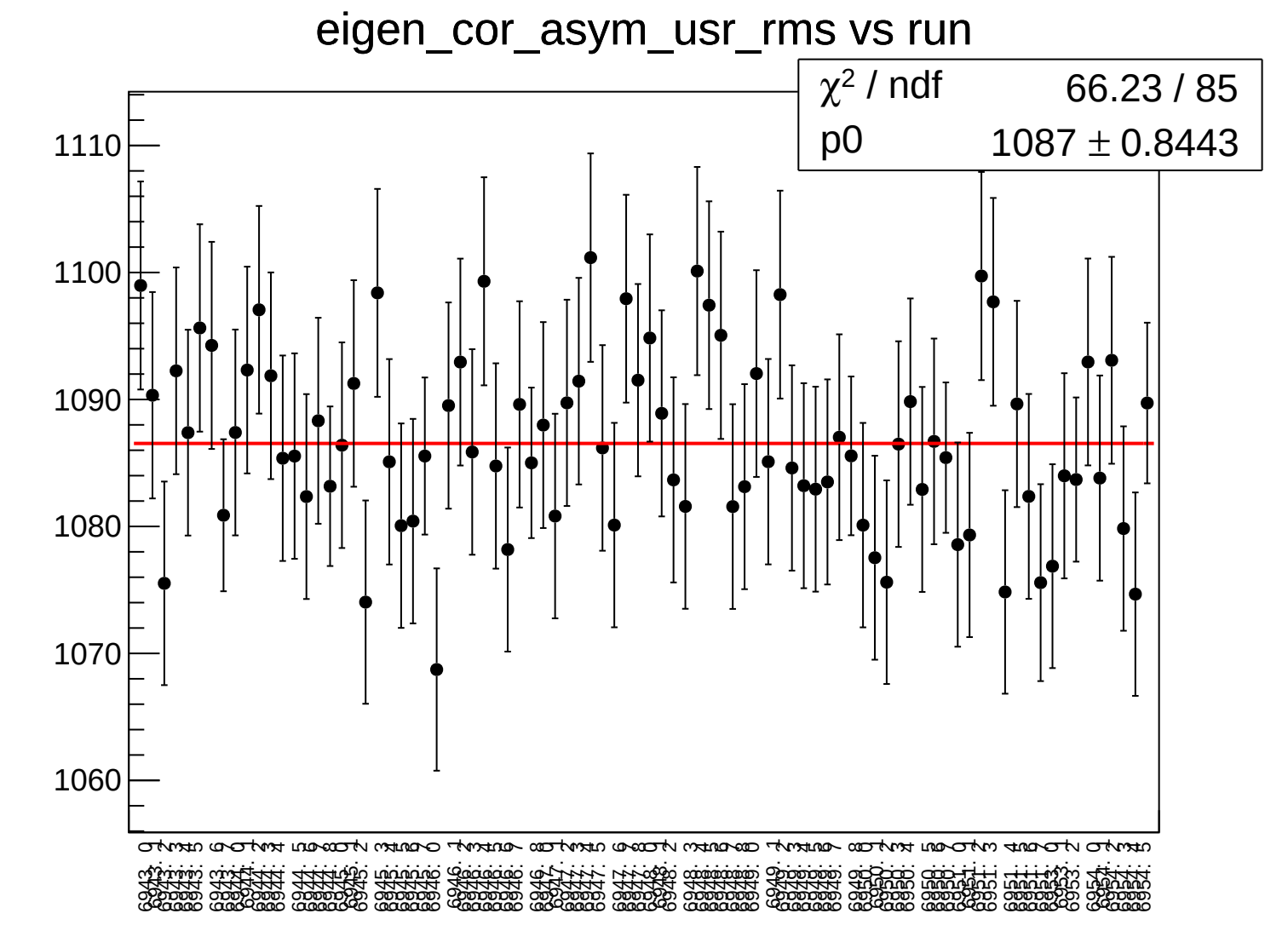

asym_usr_overload_cor_correction_mean vs run
χ^2 / ndf 90.86 / 85
p0 2954 ± 1946
×10^3
pull
Entries 86
Mean 110.8
Std Dev 0

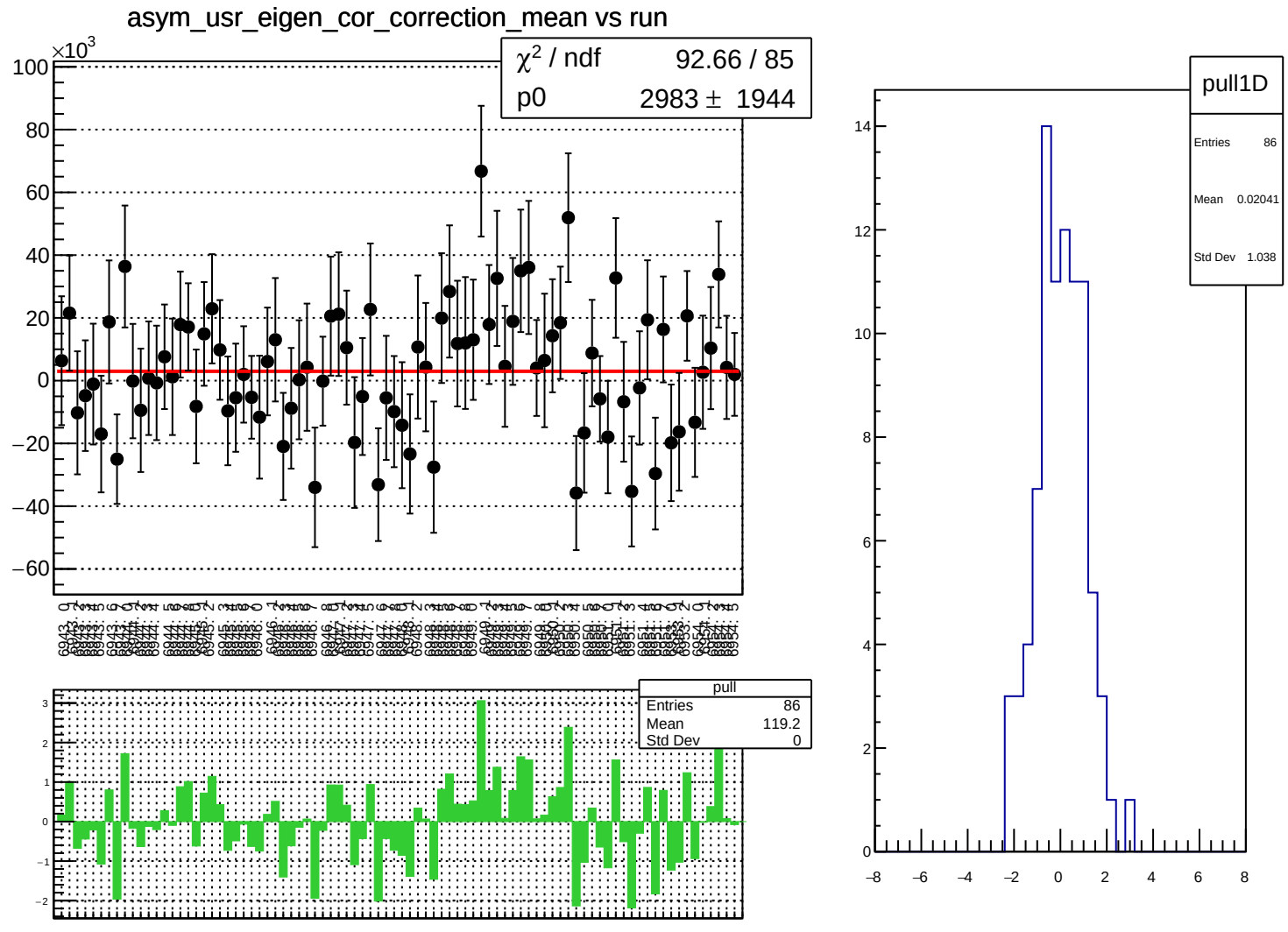

pull1D
Entries 86
Mean 0.02106
Std Dev 1.028

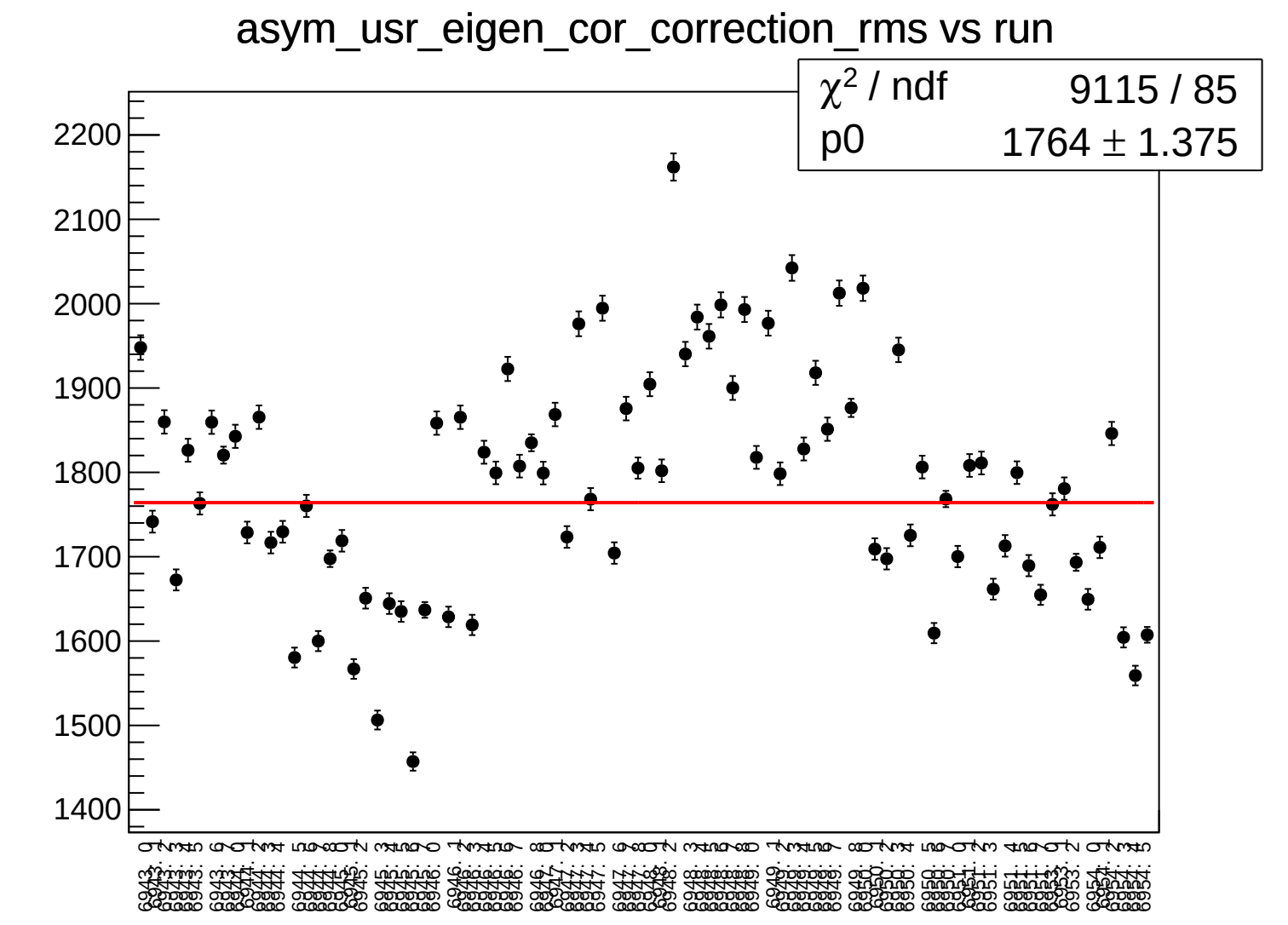

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 9079 / 85
p0 1766 ± 1.376
2200
2100
2000
1900
1800
1700
1600
1500
1400

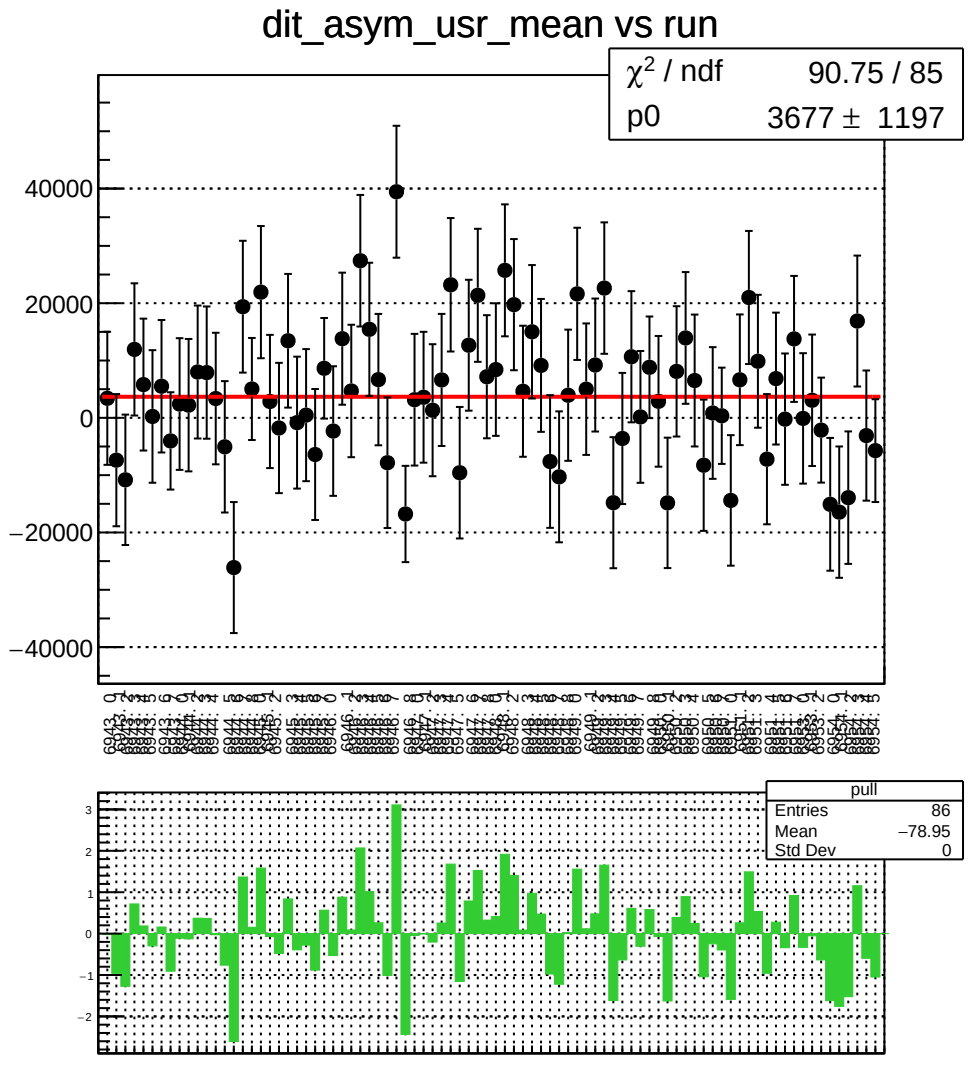

eigen_cor_asym_usr_mean vs run
χ² / ndf 92.51 / 85
p0 3628 ± 1194
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −80.69
Std Dev 0
3
2
1
0
−1
−2

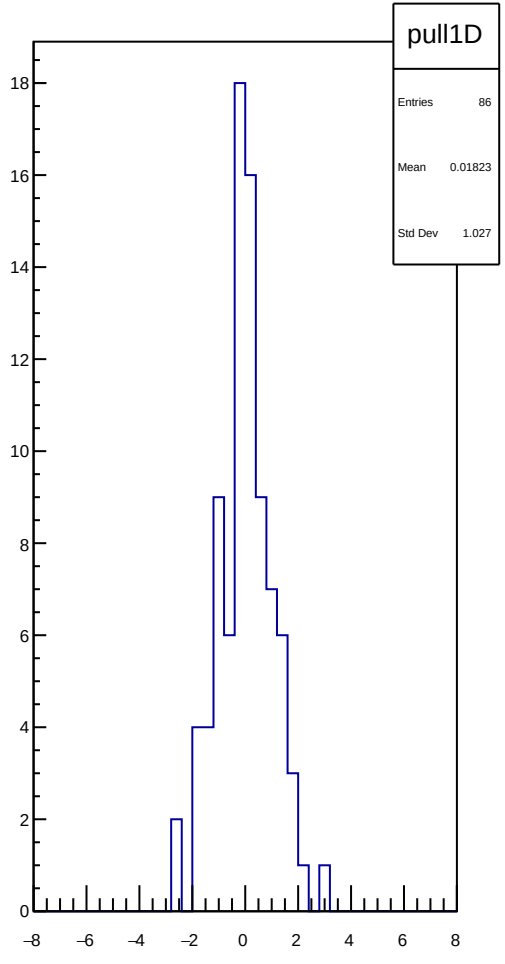

pull1D
Entries 86
Mean 0.01825
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

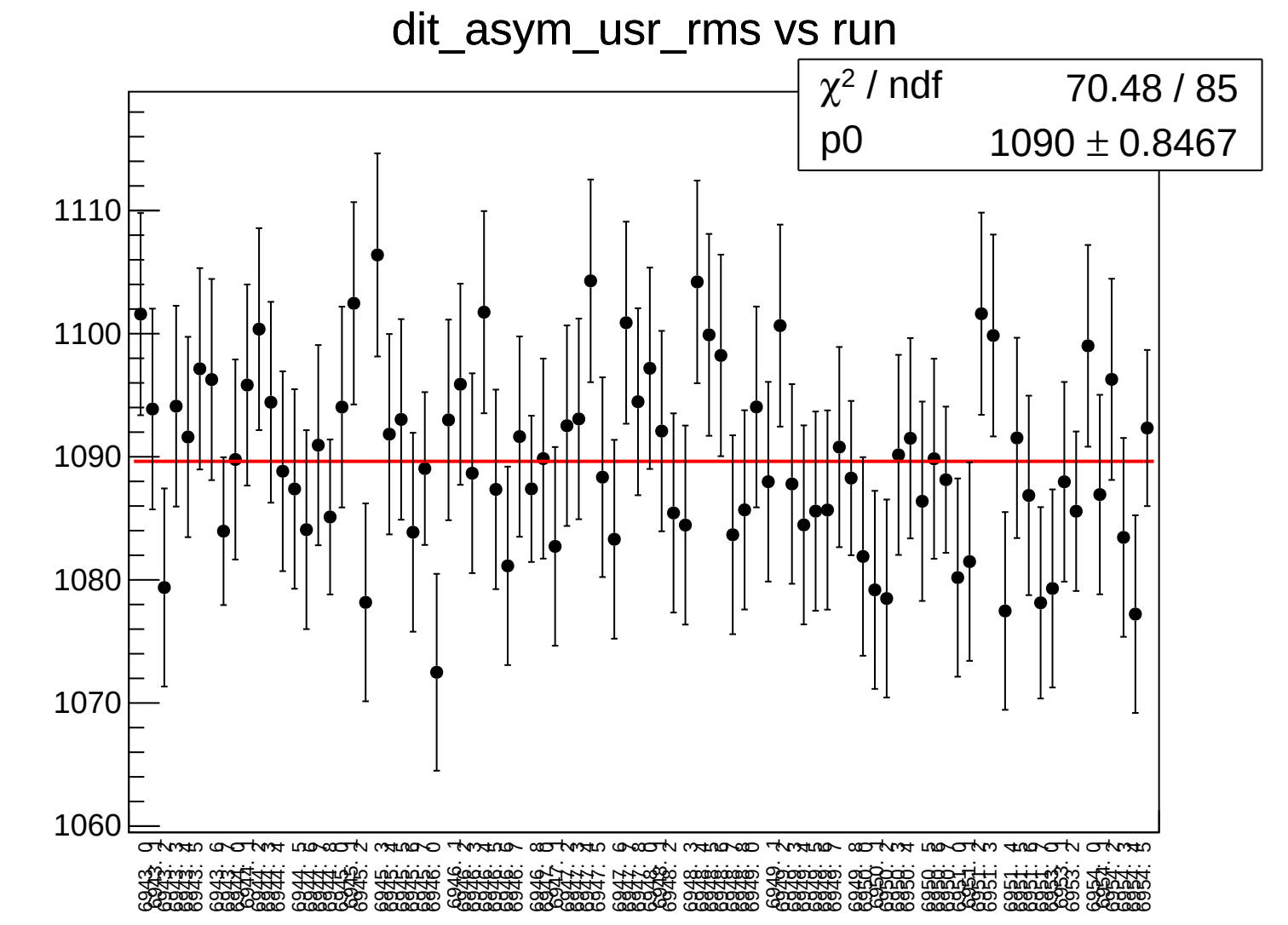

eigen_cor_asym_usr_rms vs run
χ² / ndf 66.23 / 85
p0 1087 ± 0.8443
1110
1100
1090
1080
1070
1060

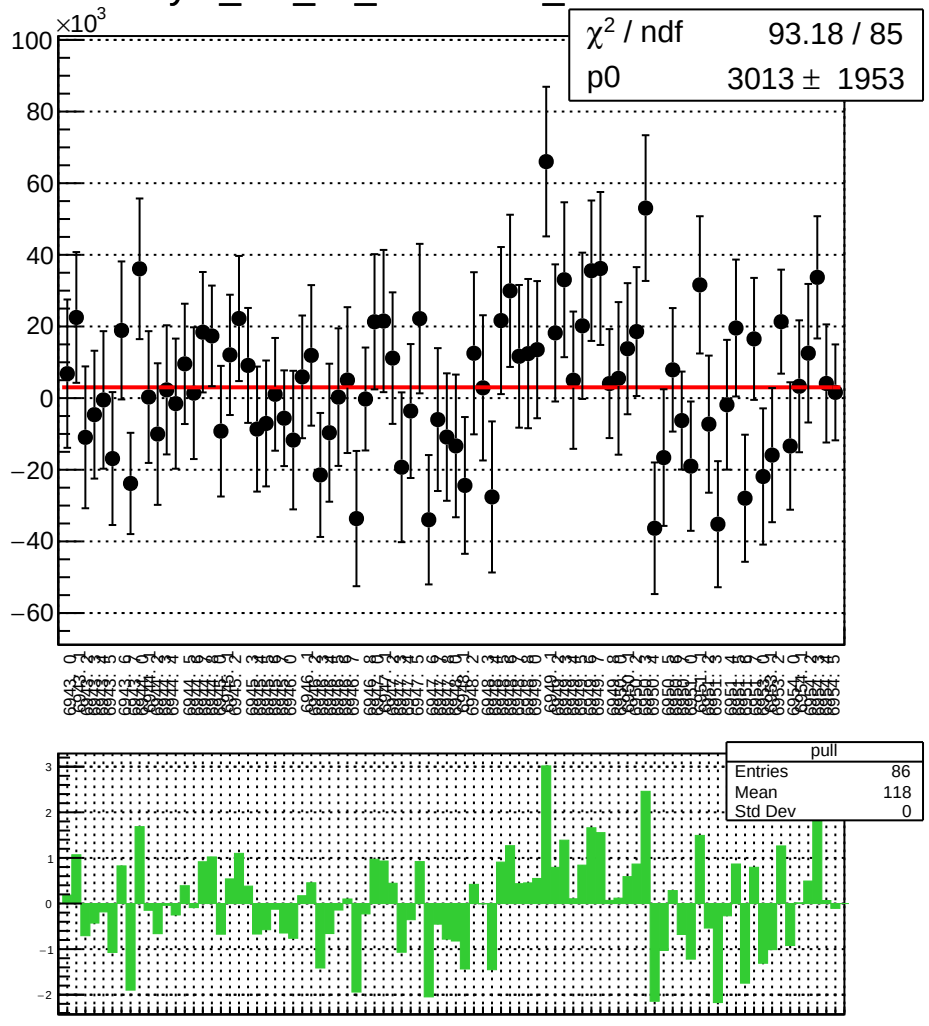

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 92.66 / 85
p0 2983 ± 1944
pull
Entries 86
Mean 119.2
Std Dev 0
pull1D
Entries 86
Mean 0.02041
Std Dev 1.038

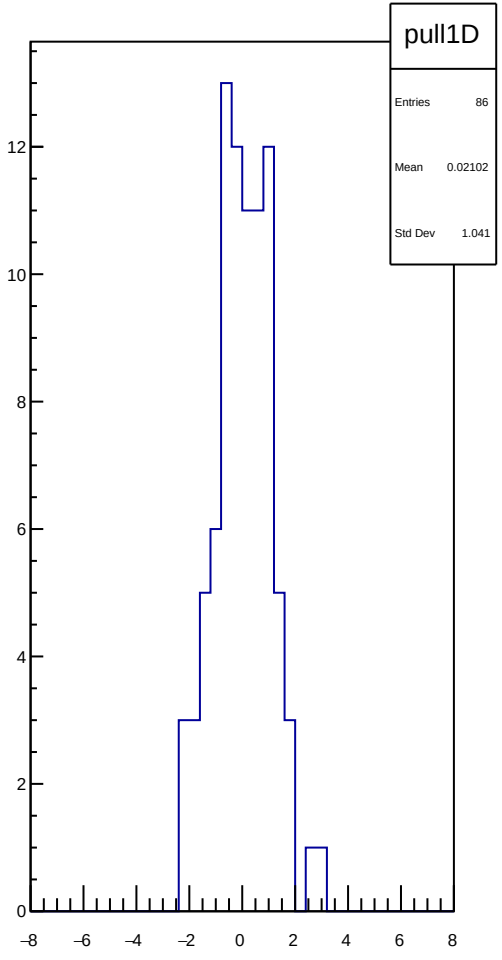

asym_usr_eigen_cor_correction_rms vs run
χ^2 / ndf 9115 / 85
p0 1764 ± 1.375
2200
2100
2000
1900
1800
1700
1600
1500
1400

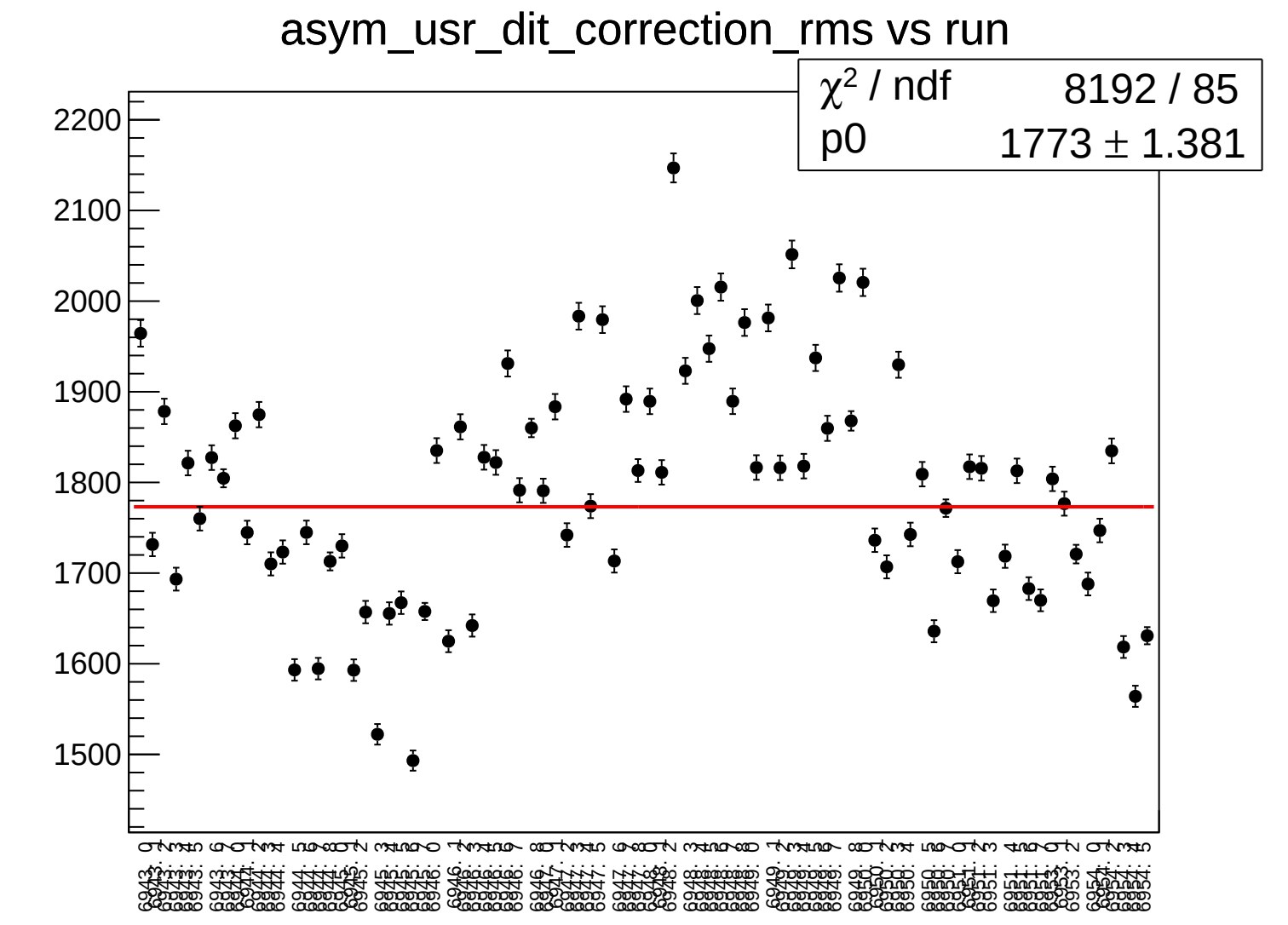

dit_asym_usr_mean vs run
χ² / ndf 90.75 / 85
p0 3677 ± 1197
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −78.95
Std Dev 0
3
2
1
0
−1
−2

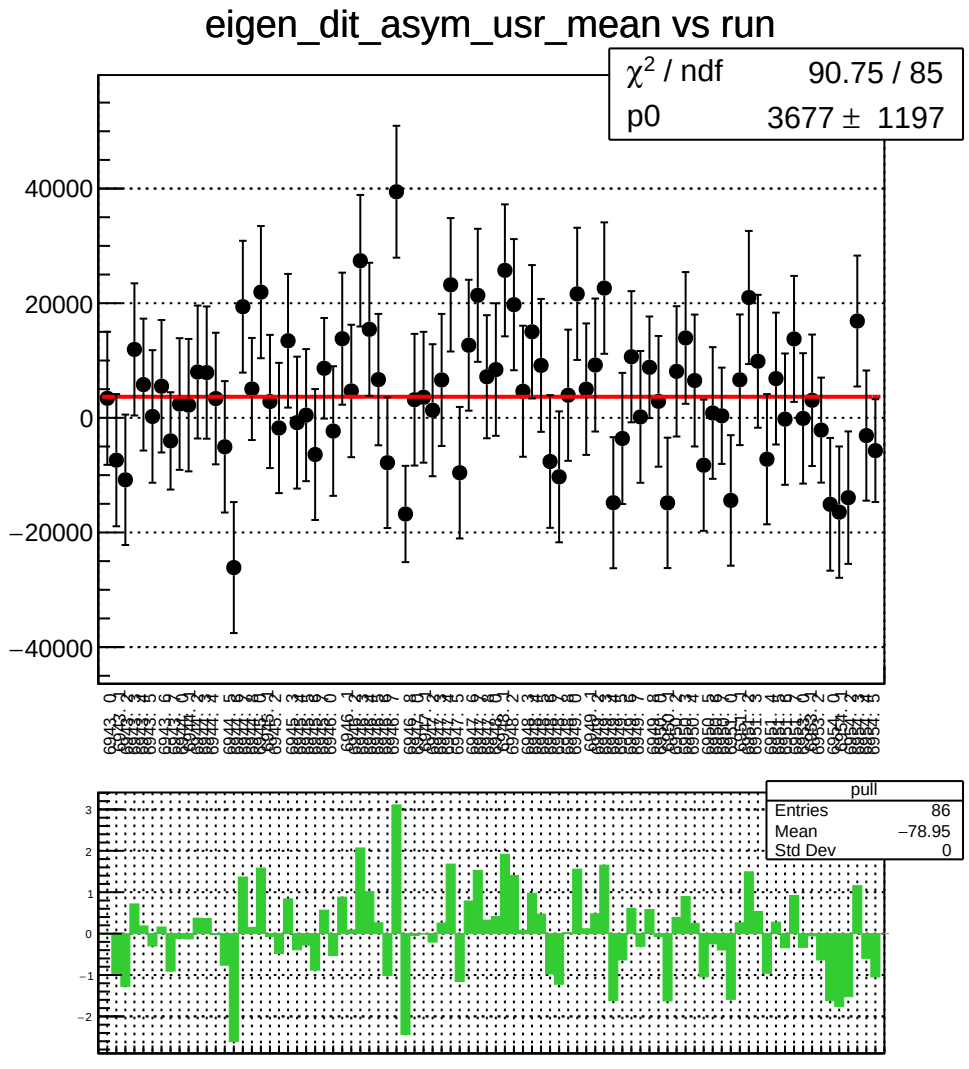

pull1D
Entries 86
Mean 0.01823
Std Dev 1.027
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

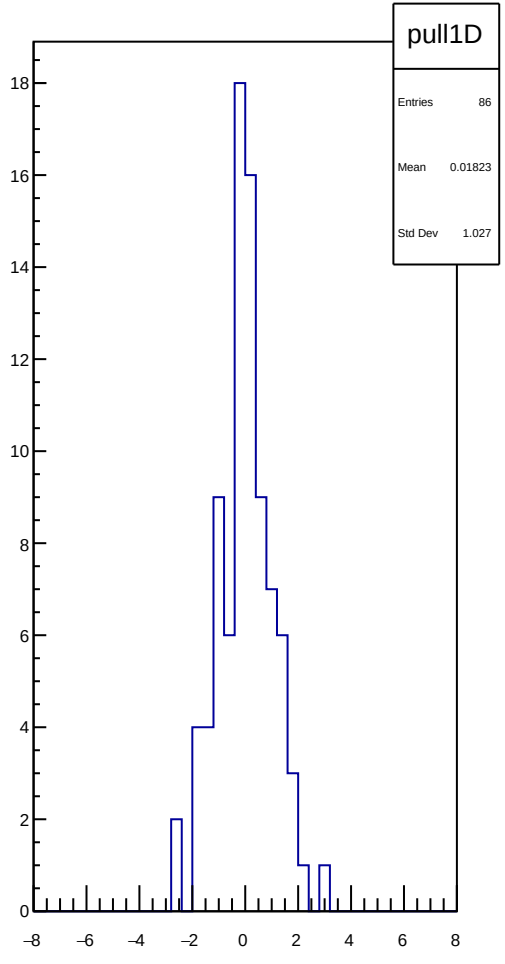

dit_asym_usr_rms vs run
χ² / ndf 70.48 / 85
p0 1090 ± 0.8467
1110
1100
1090
1080
1070
1060

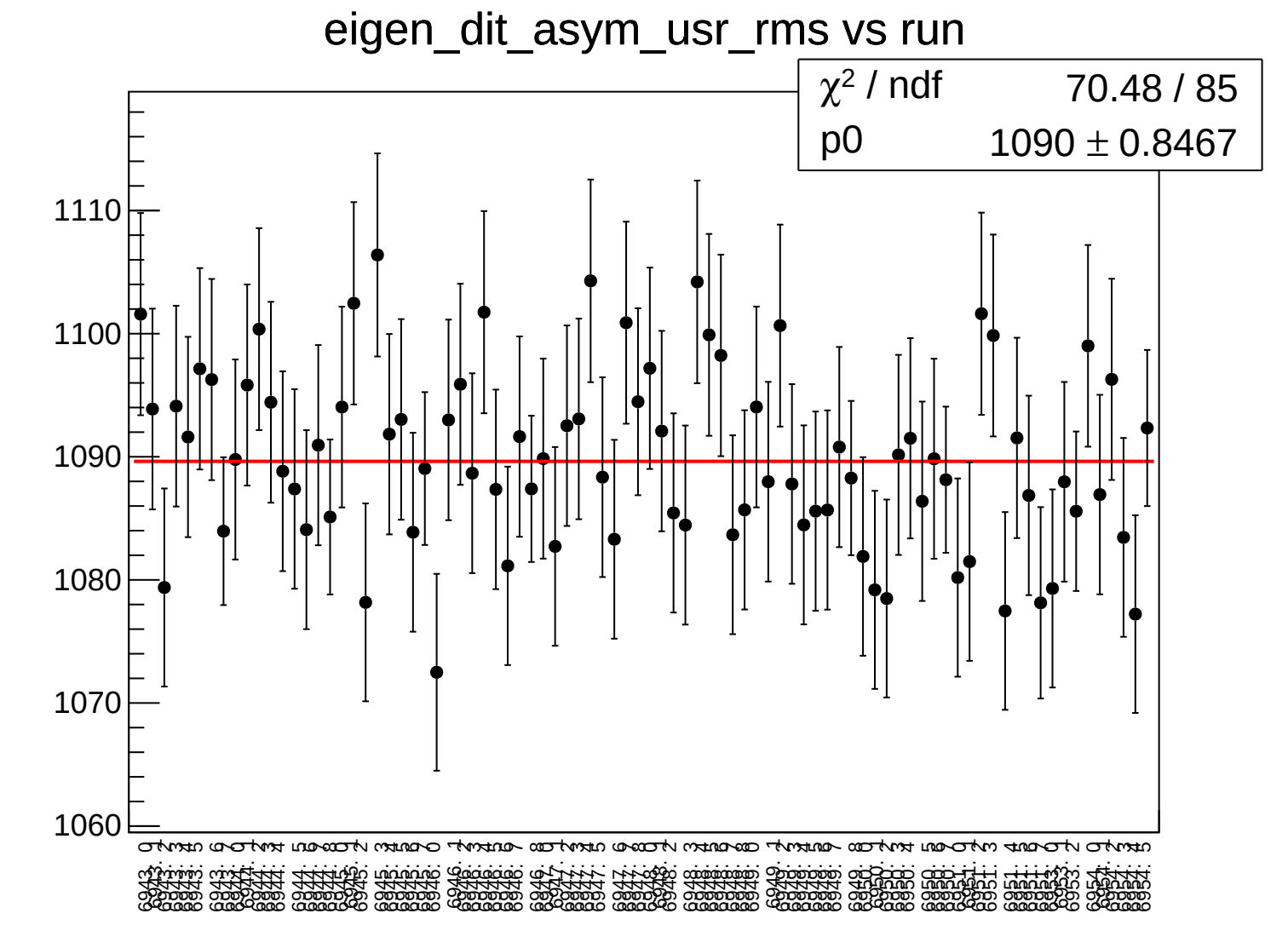

asym_usr_dit_correction_mean vs run
χ^2 / ndf 93.18 / 85
p0 3013 ± 1953
×10^3
pull
Entries 86
Mean 118
Std Dev 0

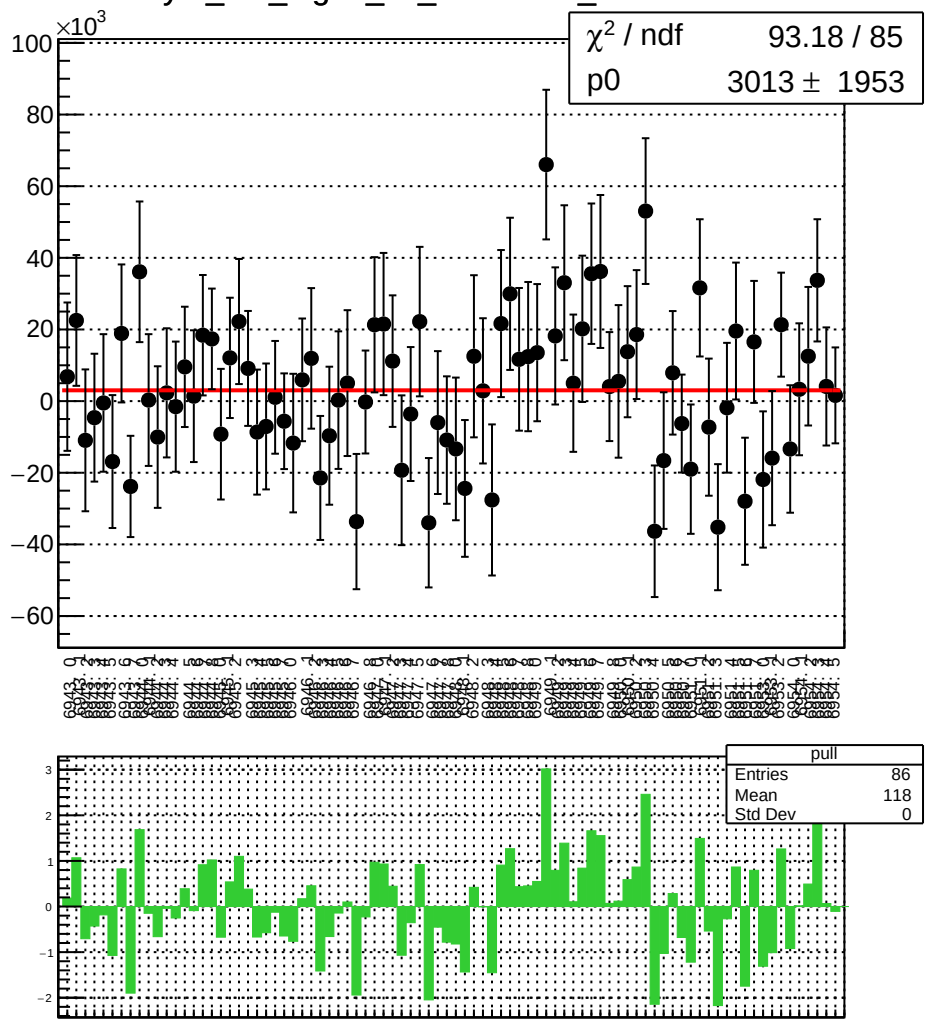

pull1D
Entries 86
Mean 0.02102
Std Dev 1.041

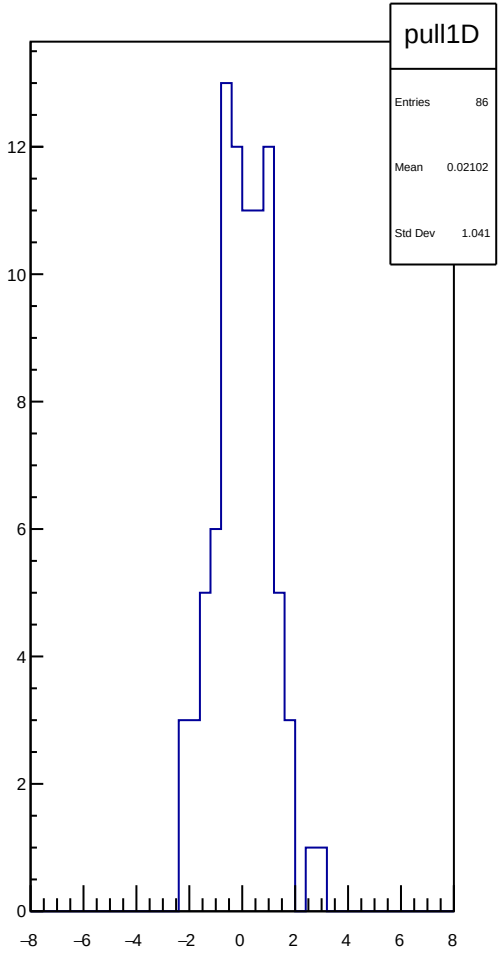

asym_usr_dit_correction_rms vs run
χ² / ndf 8192 / 85
p0 1773 ± 1.381
2200
2100
2000
1900
1800
1700
1600
1500

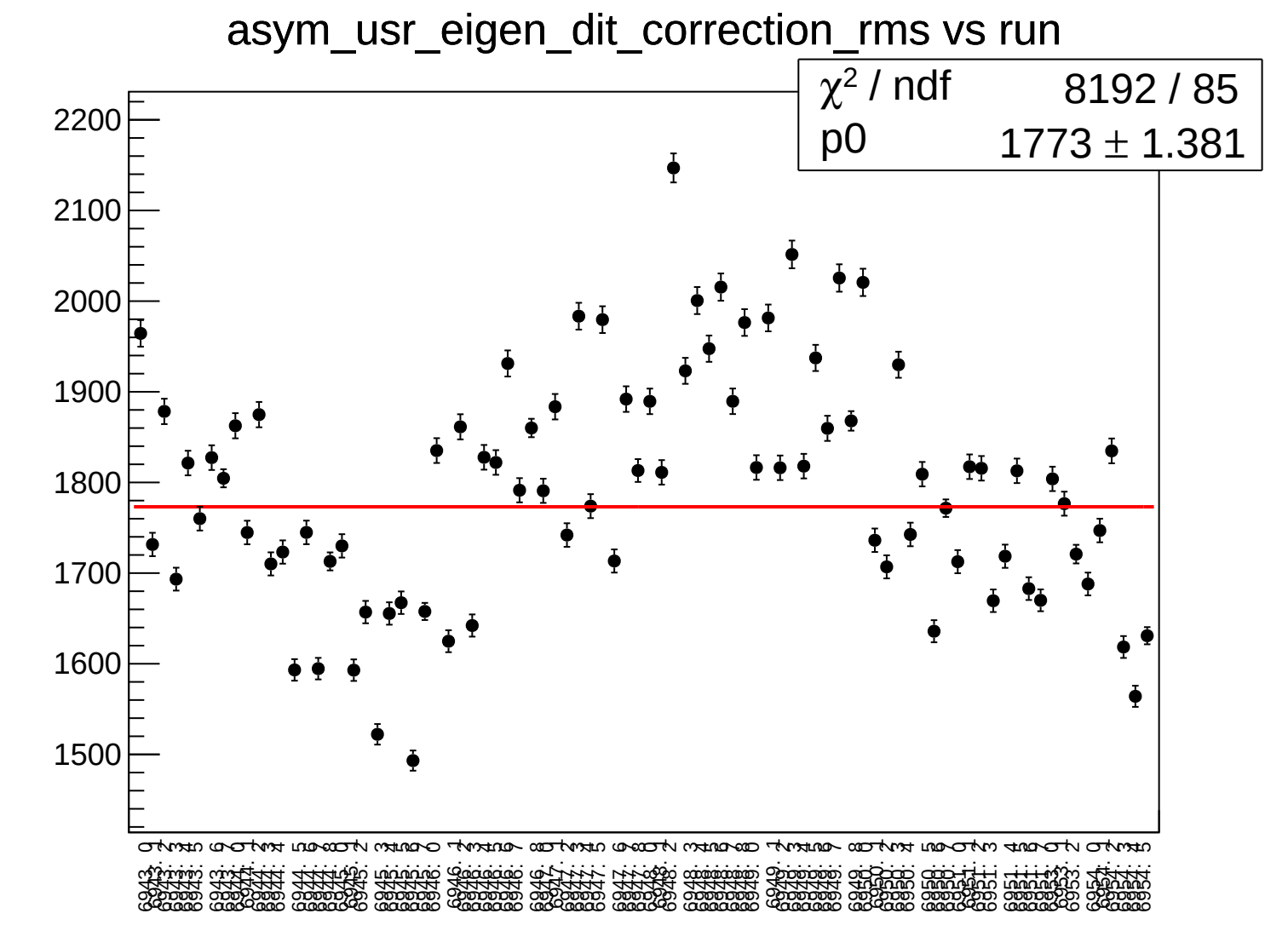

eigen_dit_asym_usr_mean vs run
χ² / ndf 90.75 / 85
p0 3677 ± 1197
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −78.95
Std Dev 0
3
2
1
0
−1
−2

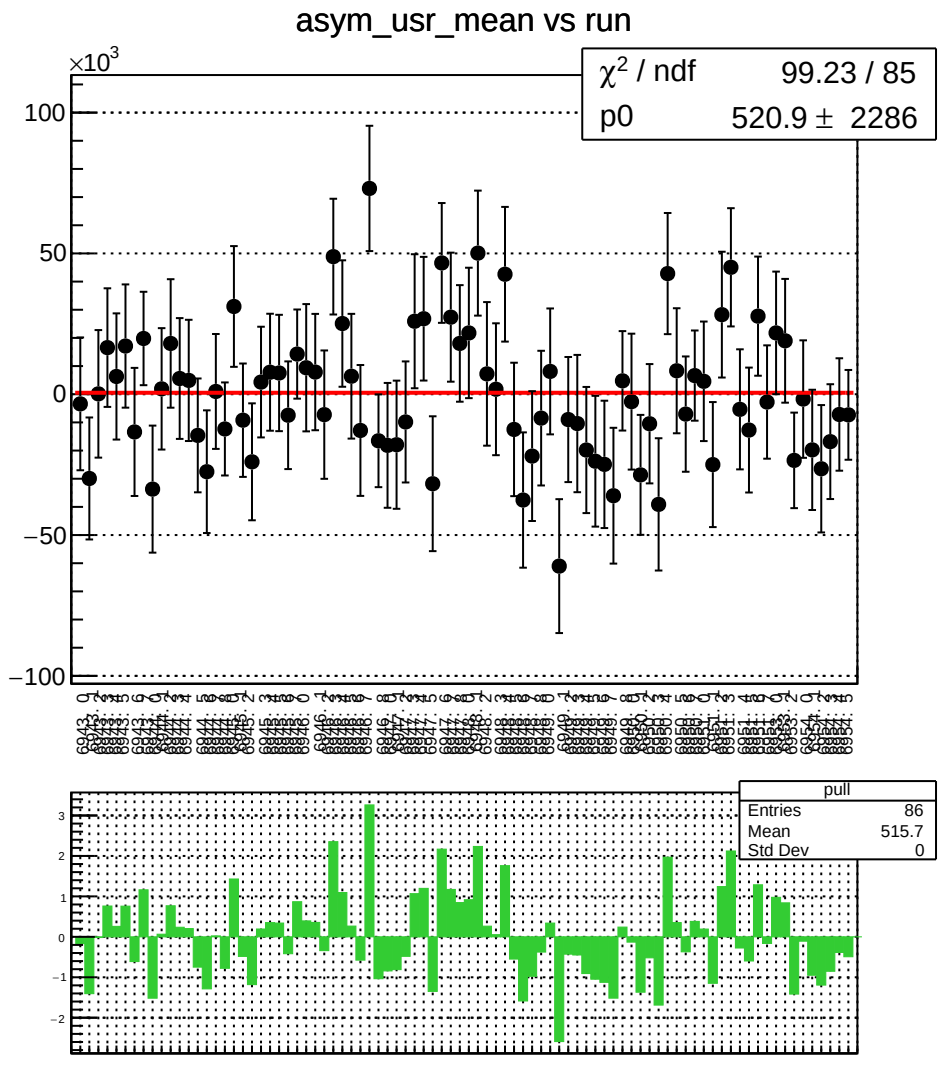

pull1D
Entries 86
Mean 0.01823
Std Dev 1.027
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

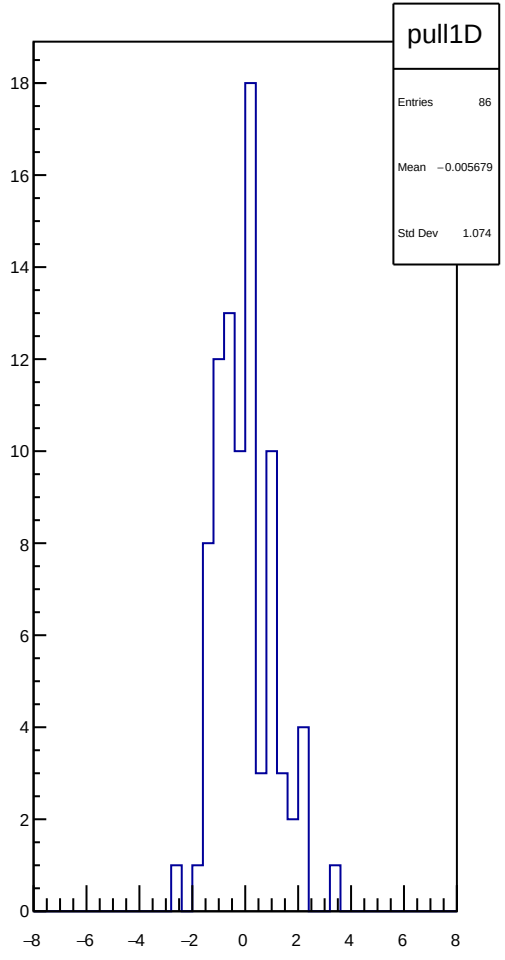

eigen_dit_asym_usr_rms vs run
χ^2 / ndf 70.48 / 85
p0 1090 ± 0.8467
1110
1100
1090
1080
1070
1060

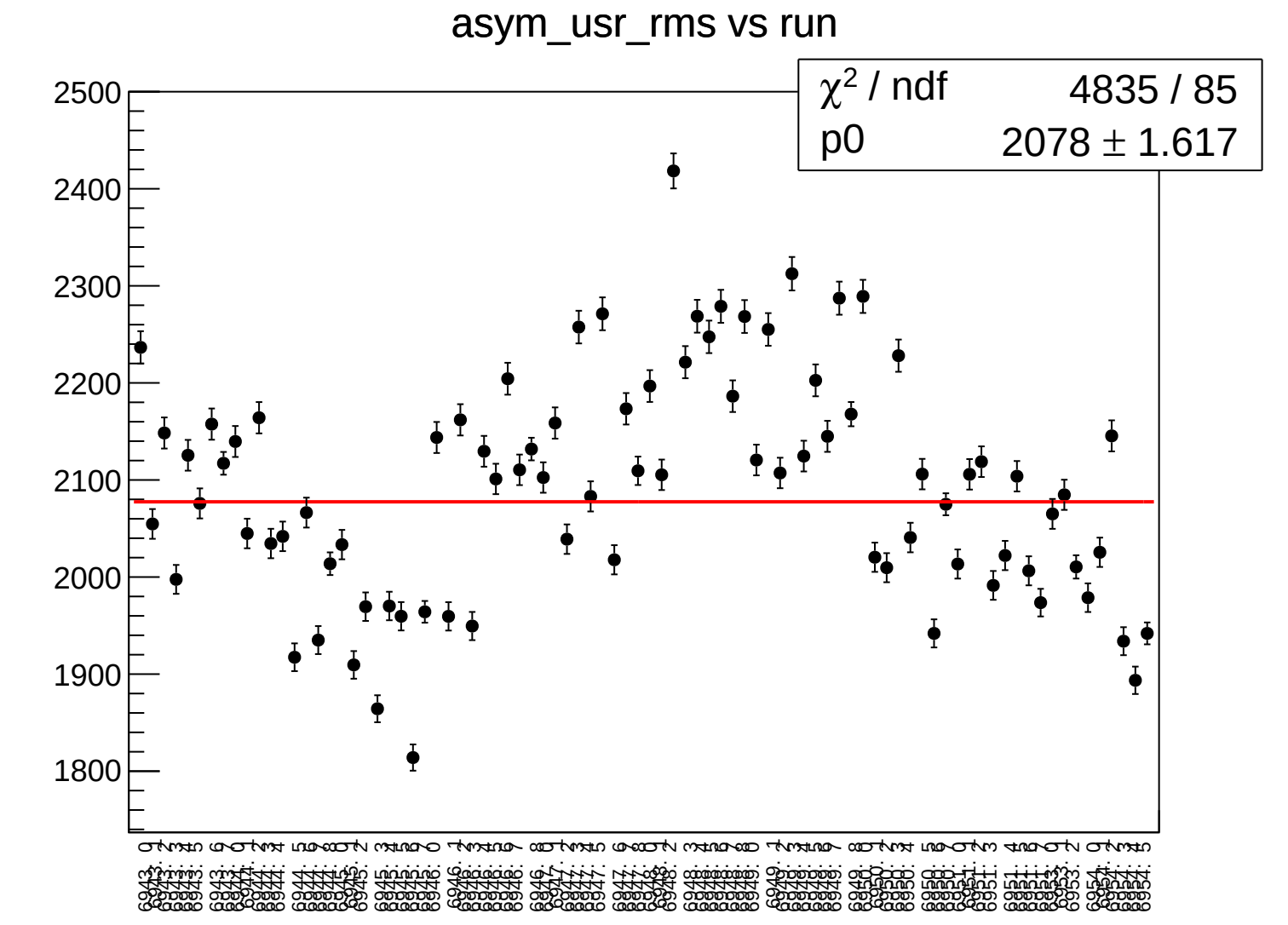

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 93.18 / 85
p0 3013 ± 1953
pull
Entries 86
Mean 118
Std Dev 0

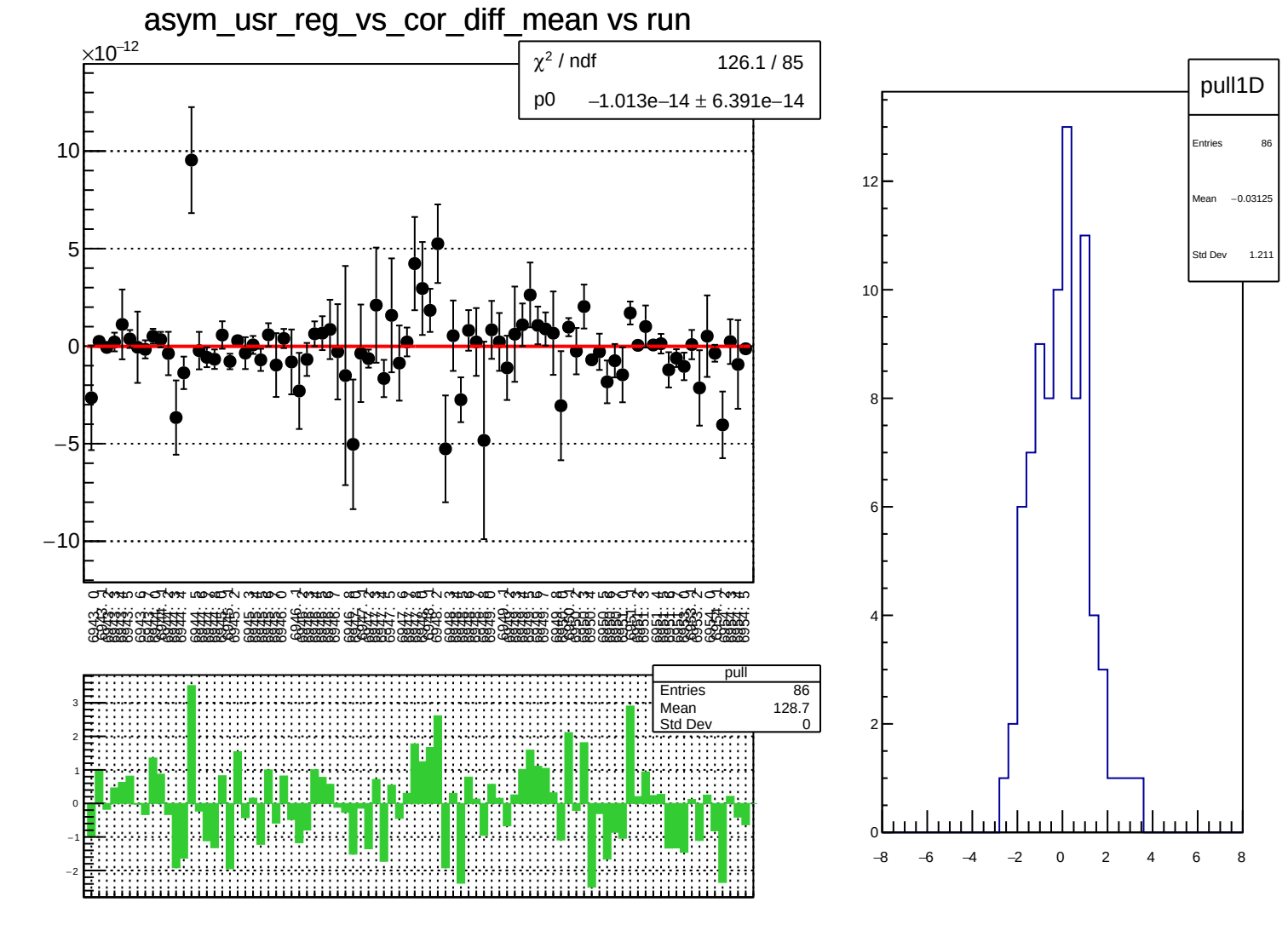

pull1D
Entries 86
Mean 0.02102
Std Dev 1.041


asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 8192 / 85
p0 1773 ± 1.381
2200
2100
2000
1900
1800
1700
1600
1500

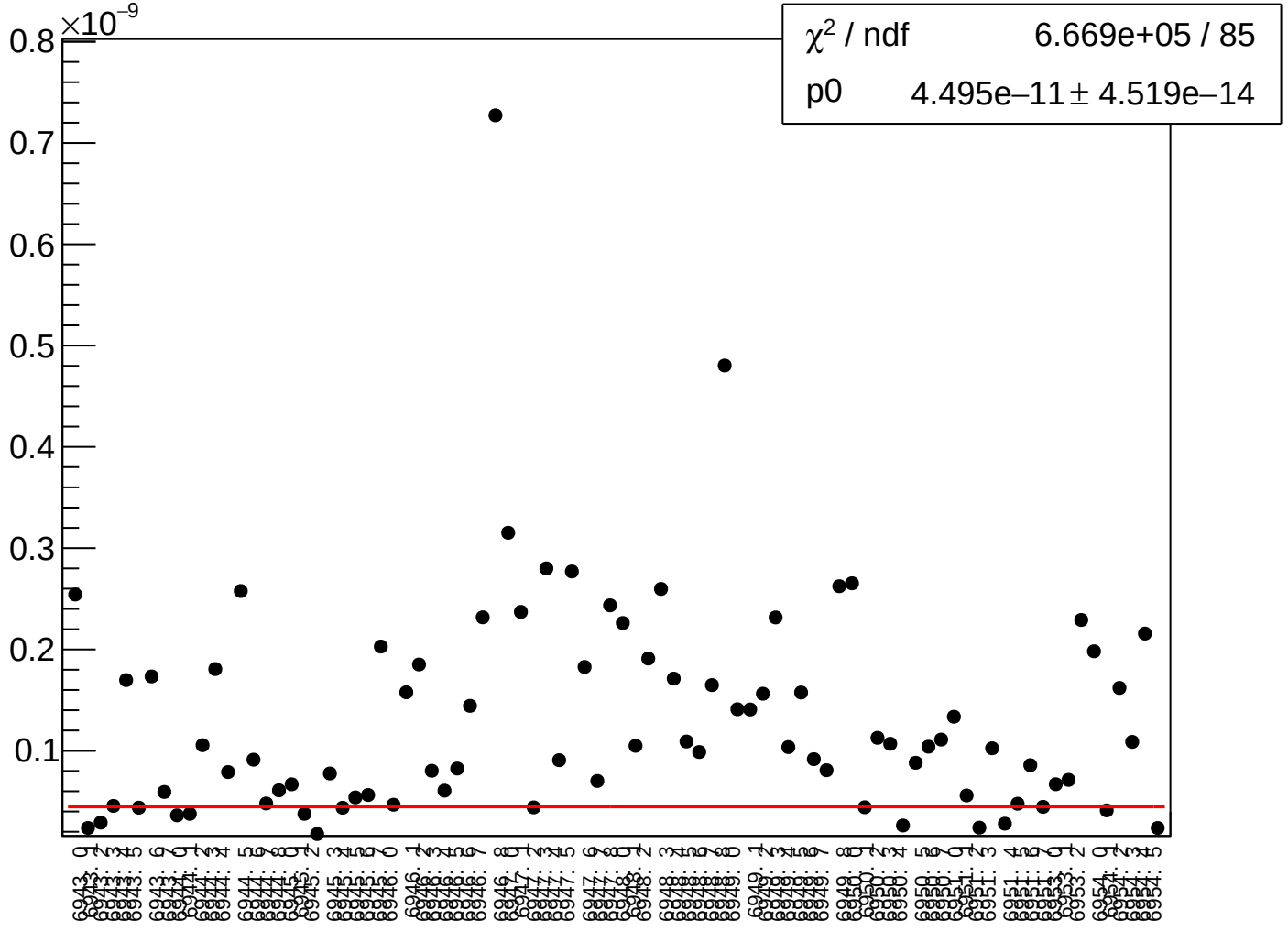

asym_usr_mean vs run
×10^3
χ² / ndf 99.23 / 85
p0 520.9 ± 2286
100
50
0
−50
−100
pull
Entries 86
Mean 515.7
Std Dev 0
3
2
1
0
−1
−2

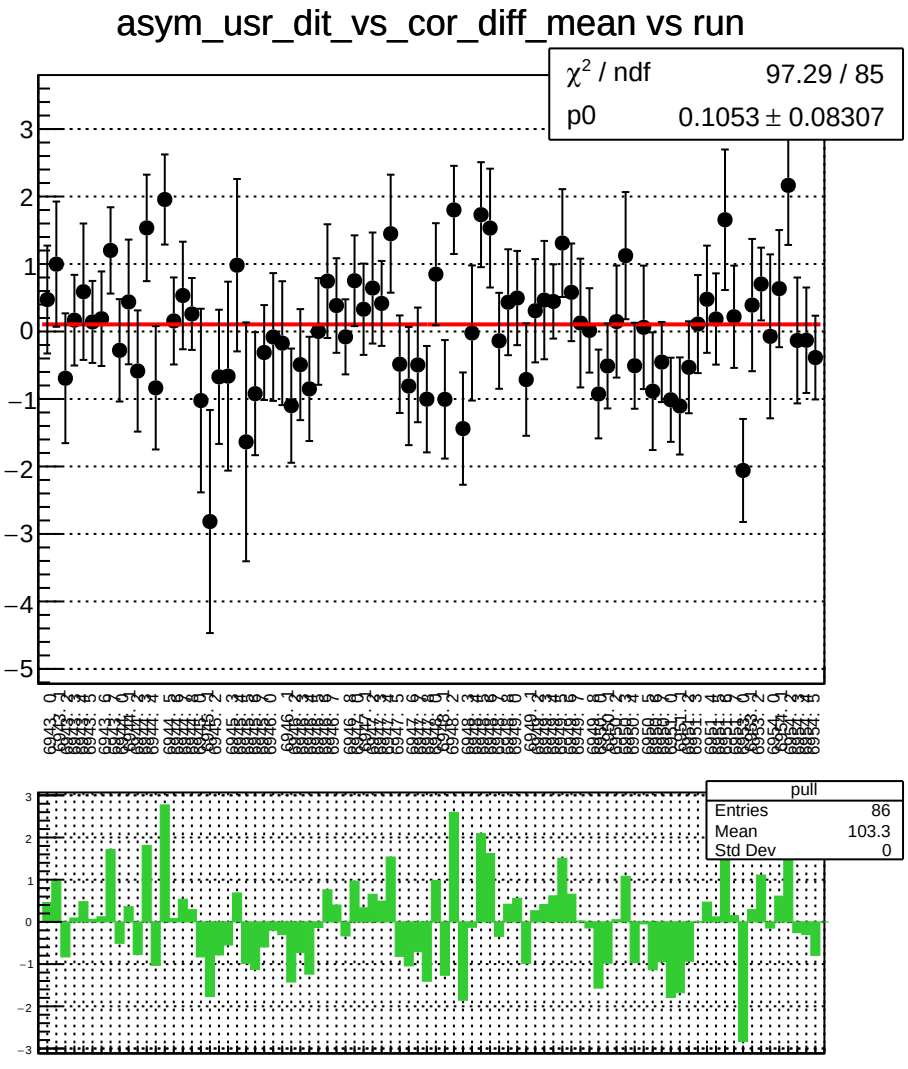

pull1D
Entries 86
Mean −0.005679
Std Dev 1.074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

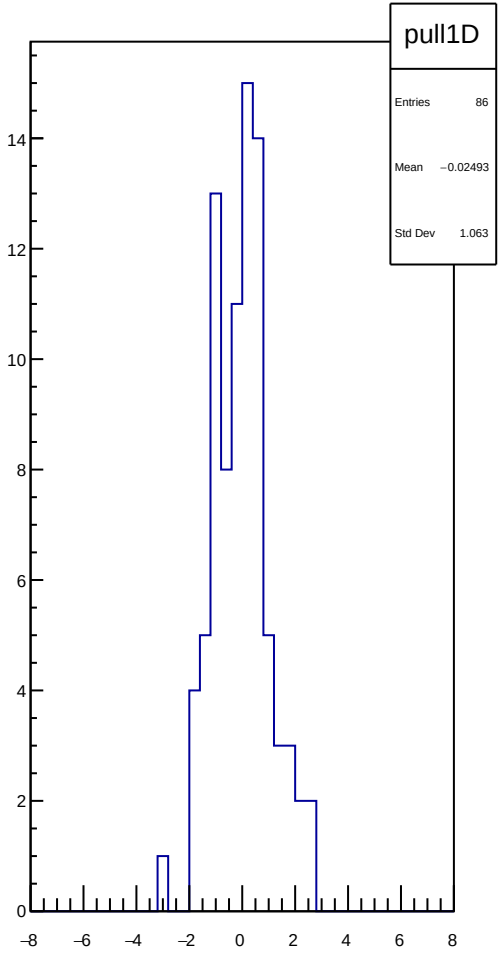

asym_usr_rms vs run
χ^2 / ndf 4835 / 85
p0 2078 ± 1.617
2500
2400
2300
2200
2100
2000
1900
1800

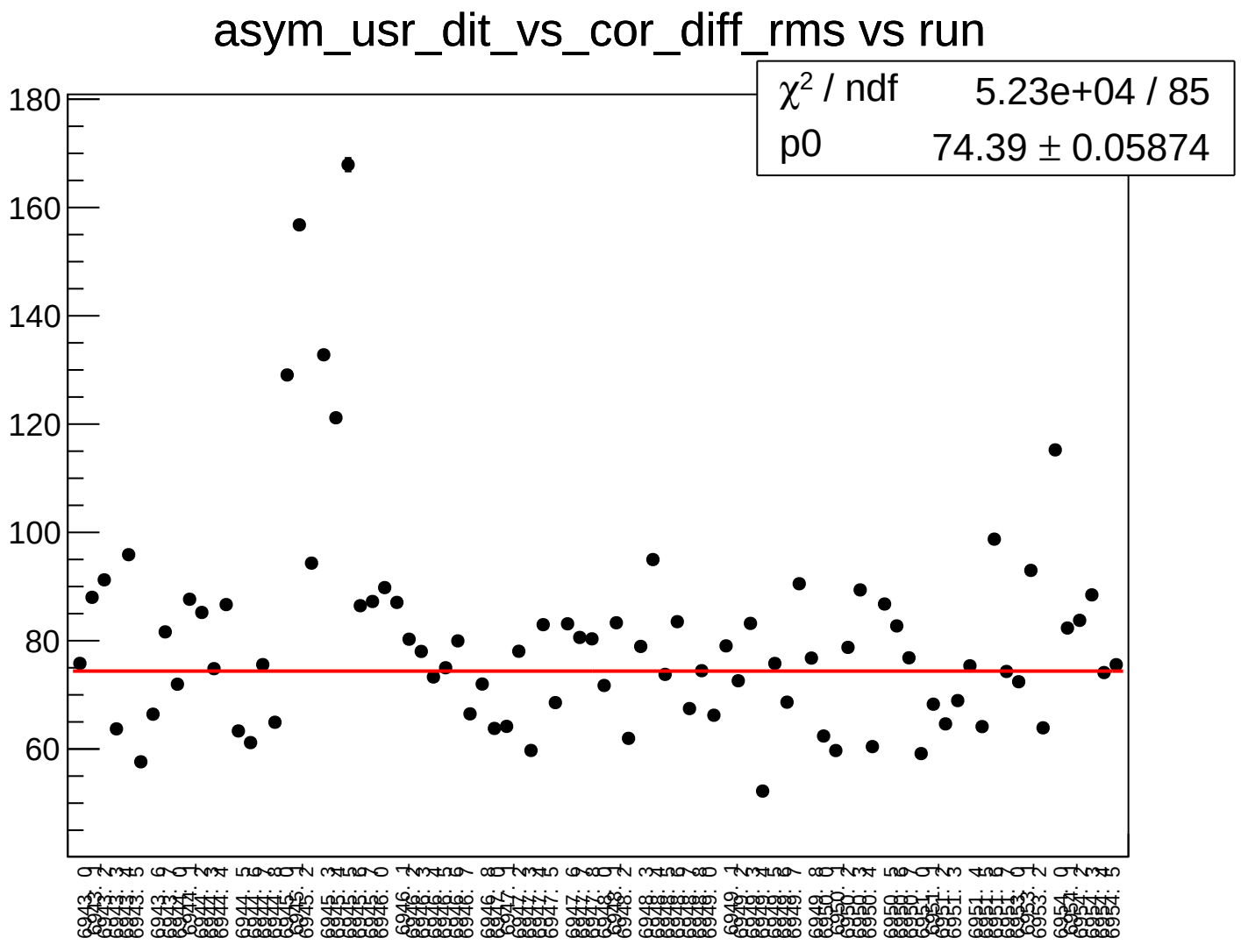

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 126.1 / 85
p0 −1.013e−14 ± 6.391e−14
pull
Entries 86
Mean 128.7
Std Dev 0
pull1D
Entries 86
Mean −0.03125
Std Dev 1.211

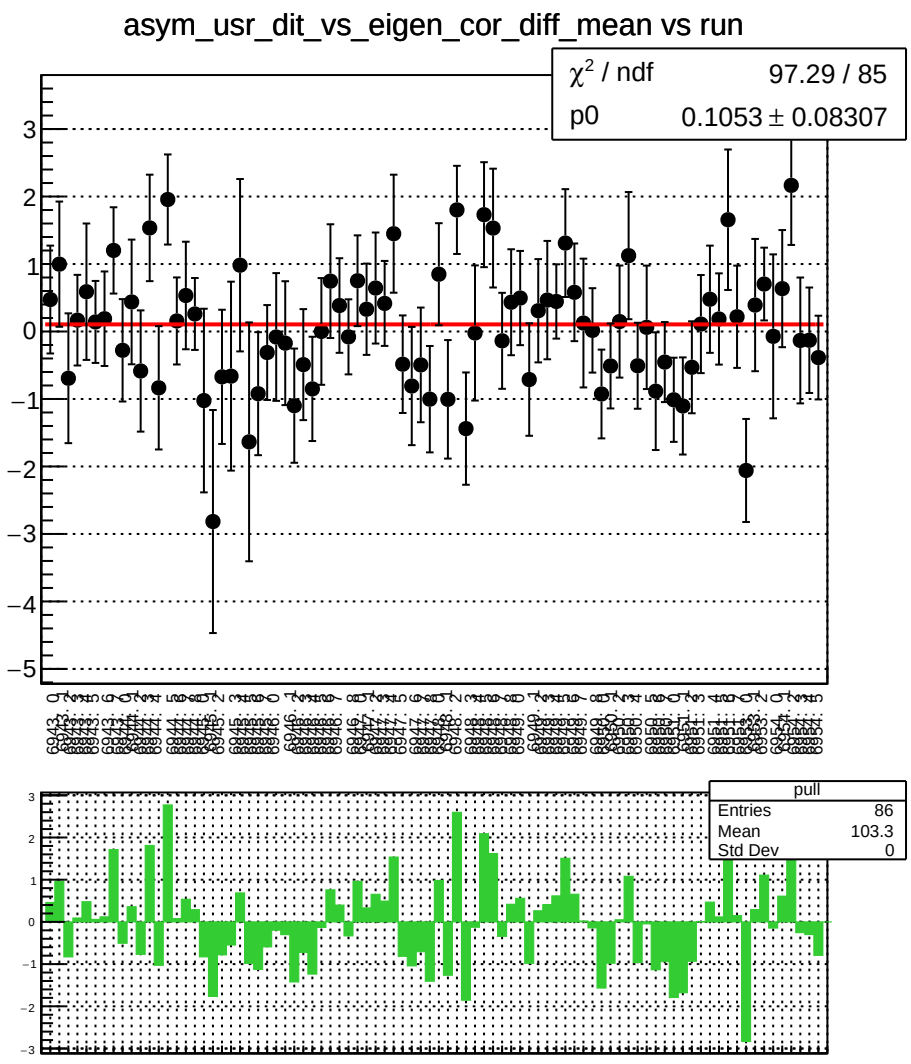
asym_usr_reg_vs_cor_diff_rms vs run

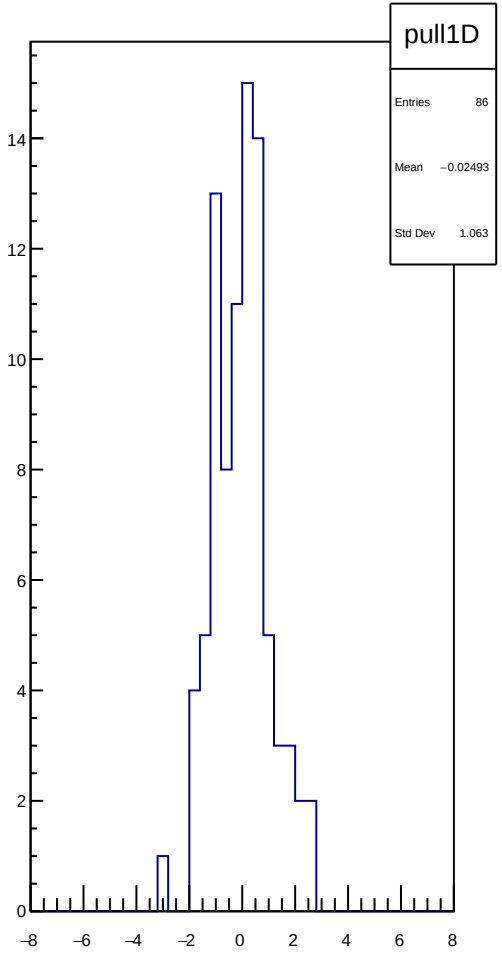


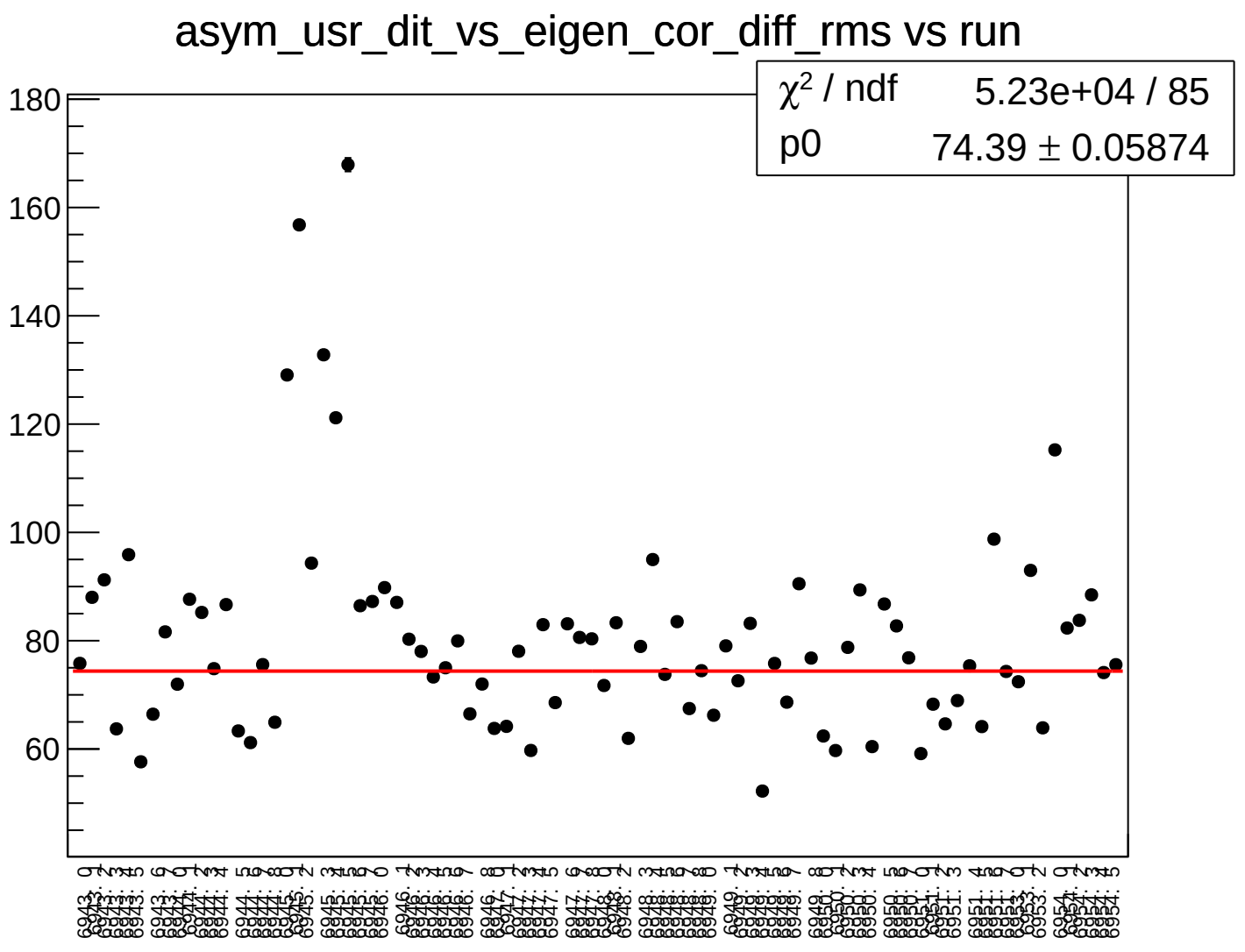

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 97.29 / 85
p0 0.1053 ± 0.08307
pull
Entries 86
Mean 103.3
Std Dev 0

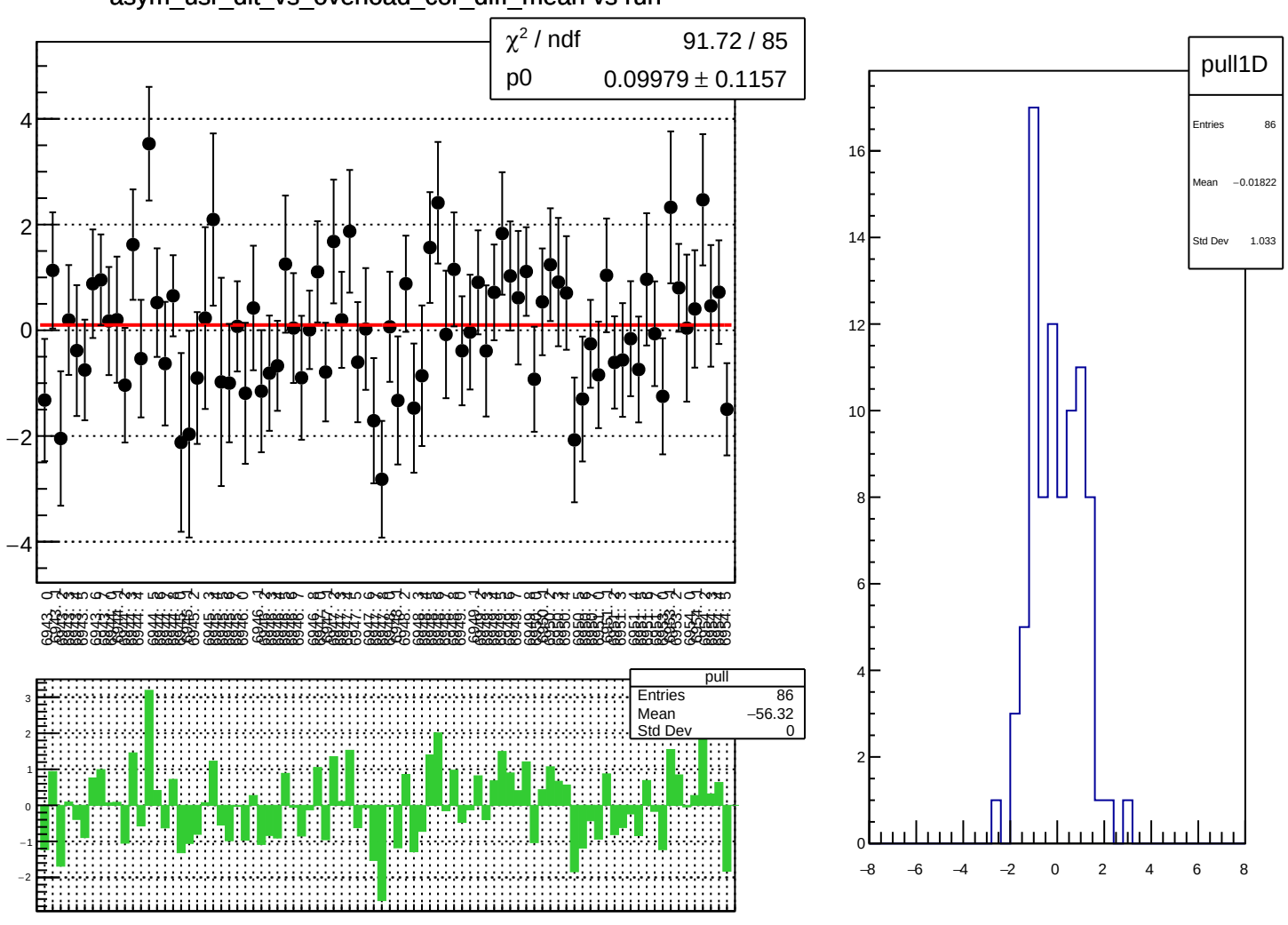

pull1D
Entries 86
Mean −0.02493
Std Dev 1.063

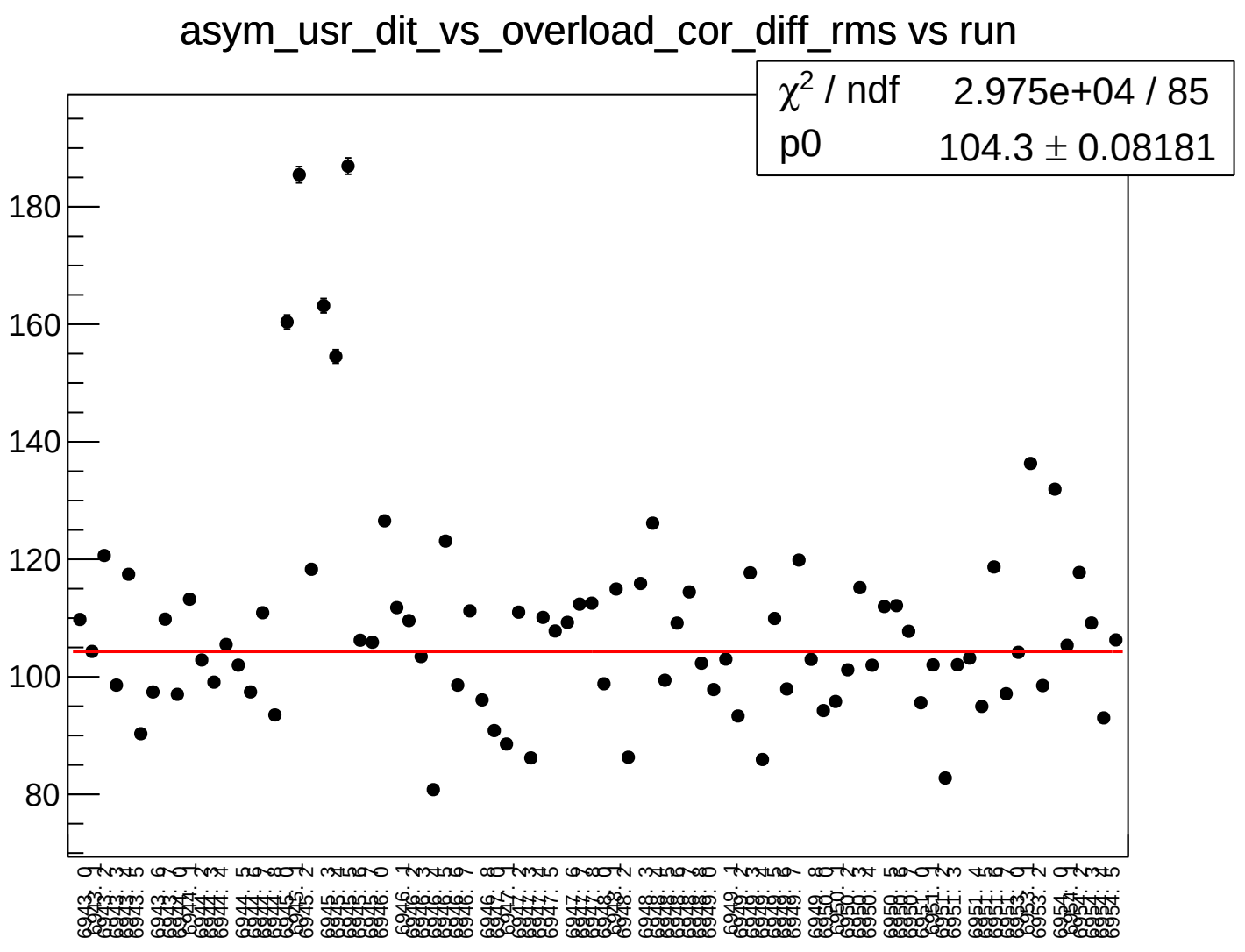

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 5.23e+04 / 85
p0 74.39 ± 0.05874
180
160
140
120
100
80
60

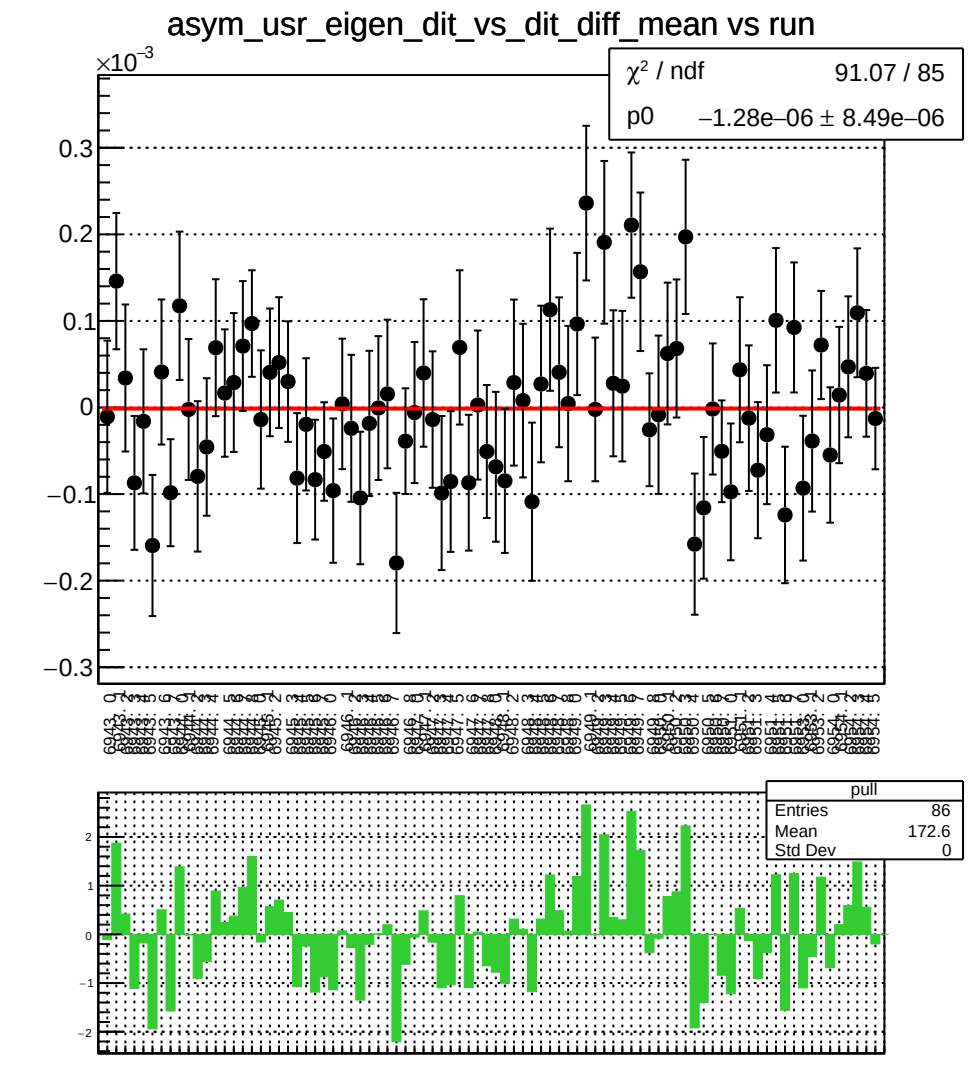

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.29 / 85
p0 0.1053 ± 0.08307
pull
Entries 86
Mean 103.3
Std Dev 0

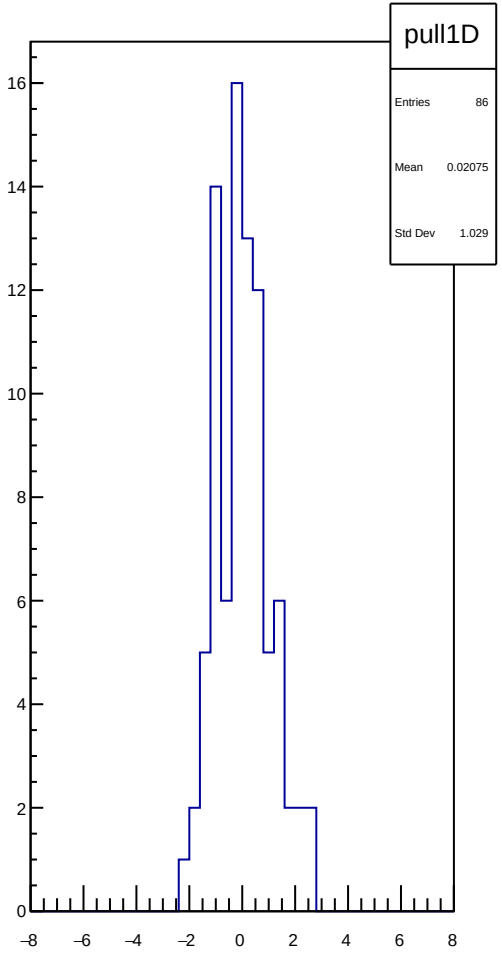

pull1D
Entries 86
Mean −0.02493
Std Dev 1.063

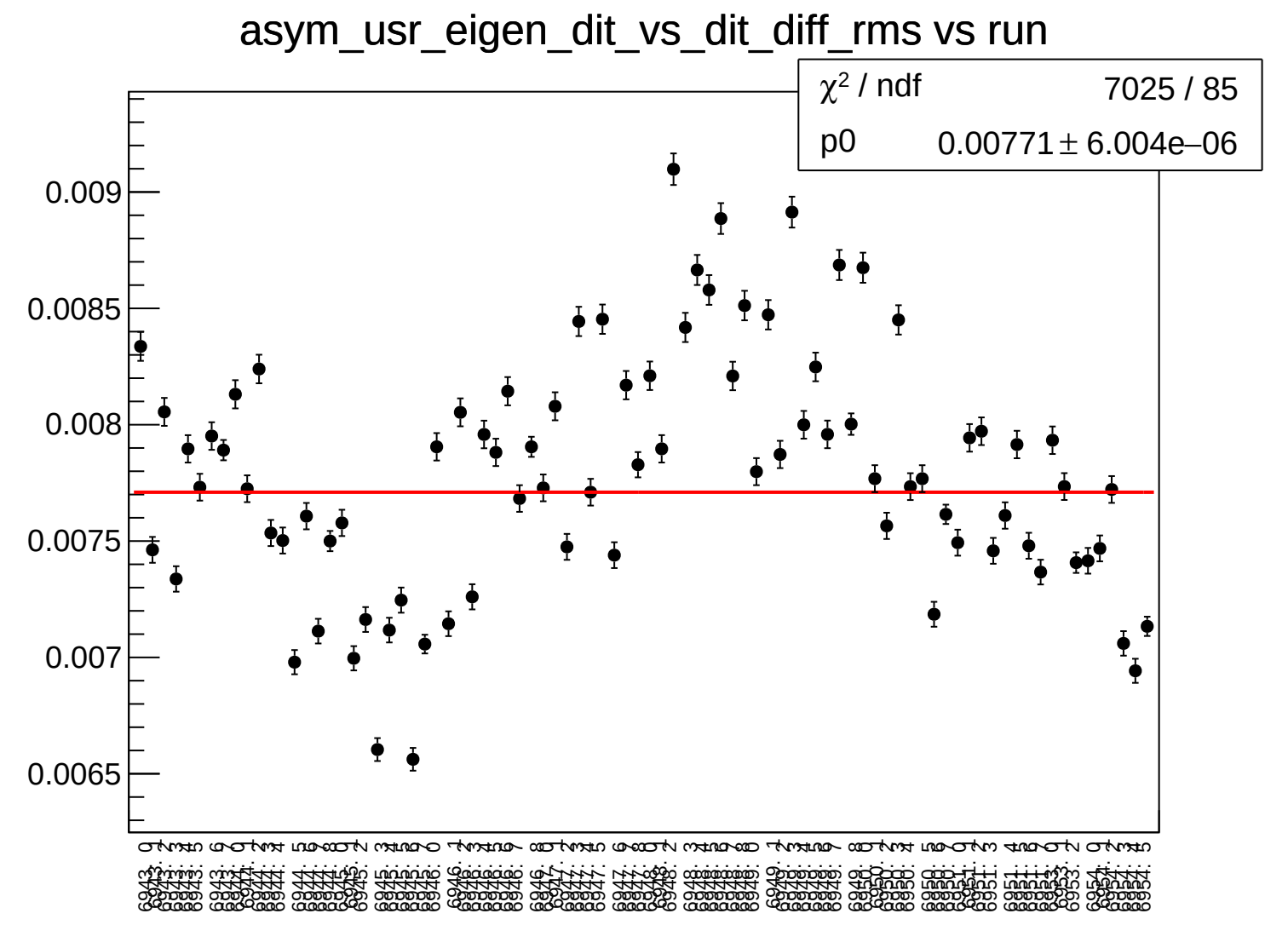

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.23e+04 / 85
p0 74.39 ± 0.05874
180
160
140
120
100
80
60

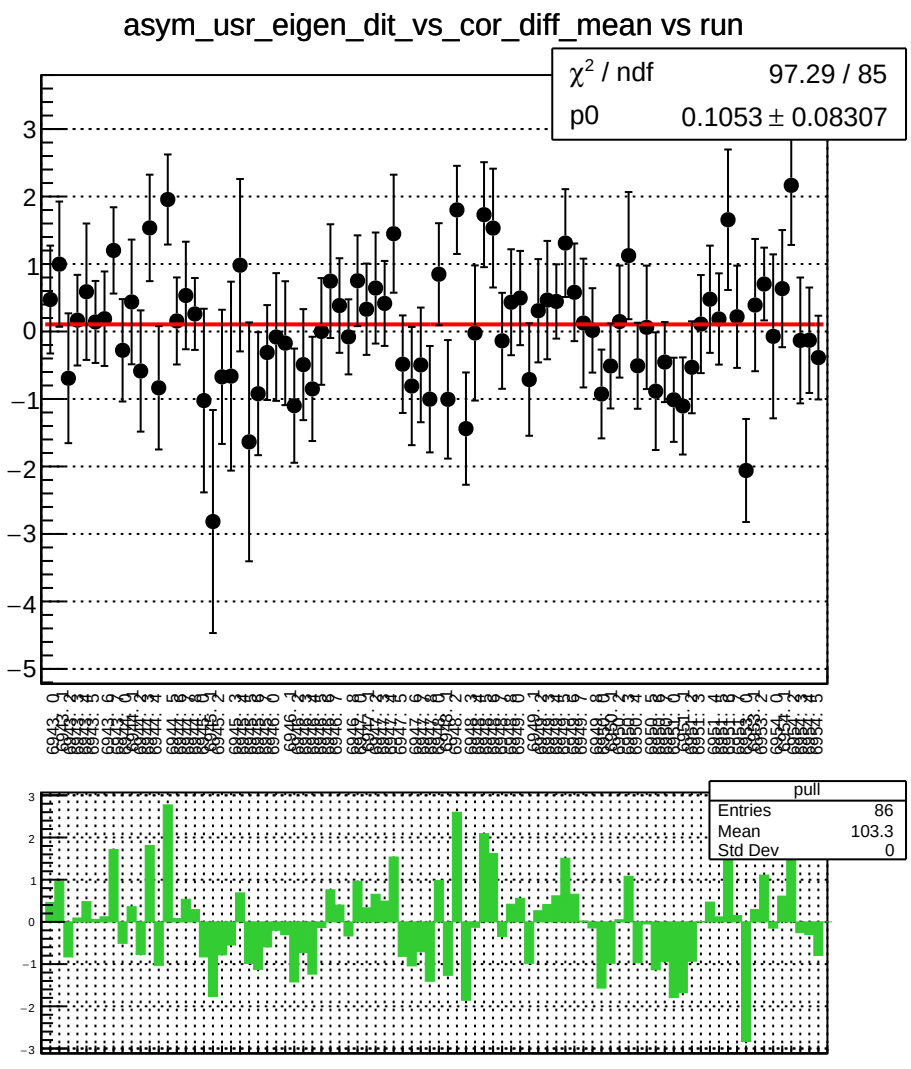

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 91.72 / 85
p0 0.09979 ± 0.1157
pull
Entries 86
Mean −56.32
Std Dev 0
pull1D
Entries 86
Mean −0.01822
Std Dev 1.033

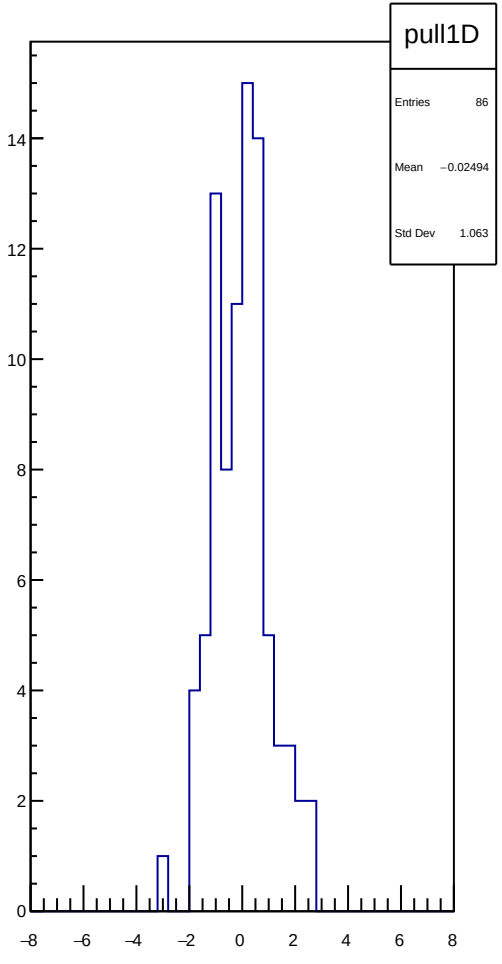

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 2.975e+04 / 85
p0 104.3 ± 0.08181
180
160
140
120
100
80

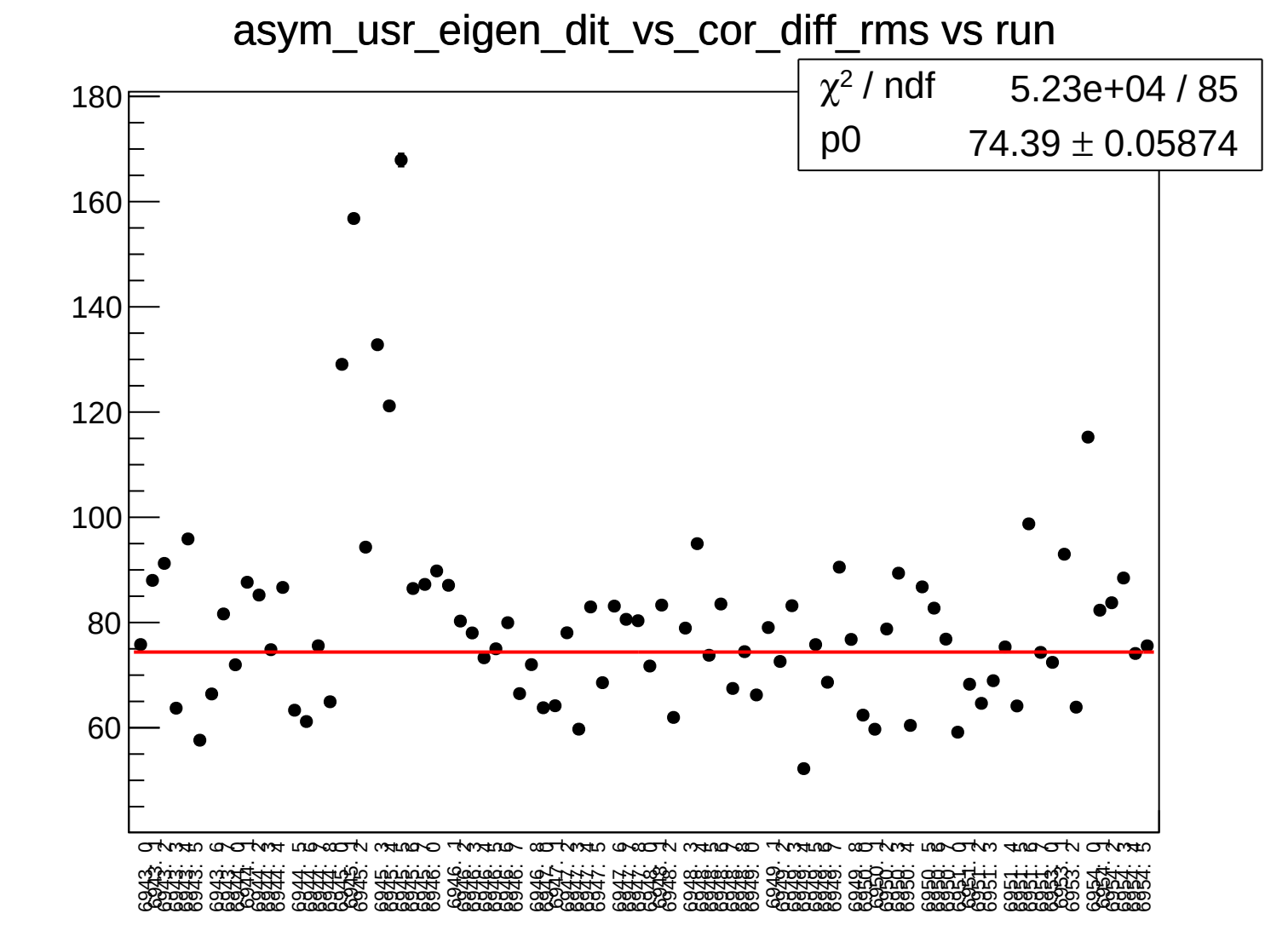

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.07 / 85
p0 −1.28e−06 ± 8.49e−06
pull
Entries 86
Mean 172.6
Std Dev 0

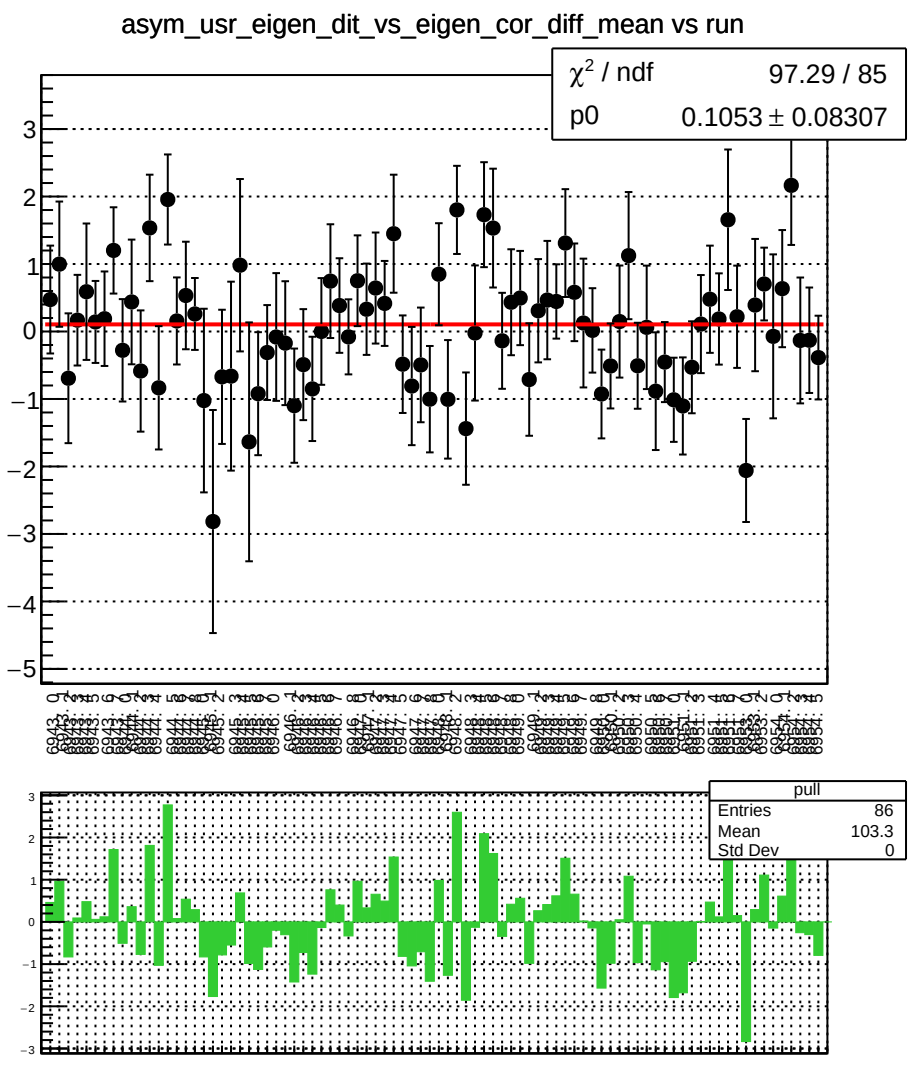

pull1D
Entries 86
Mean 0.02075
Std Dev 1.029

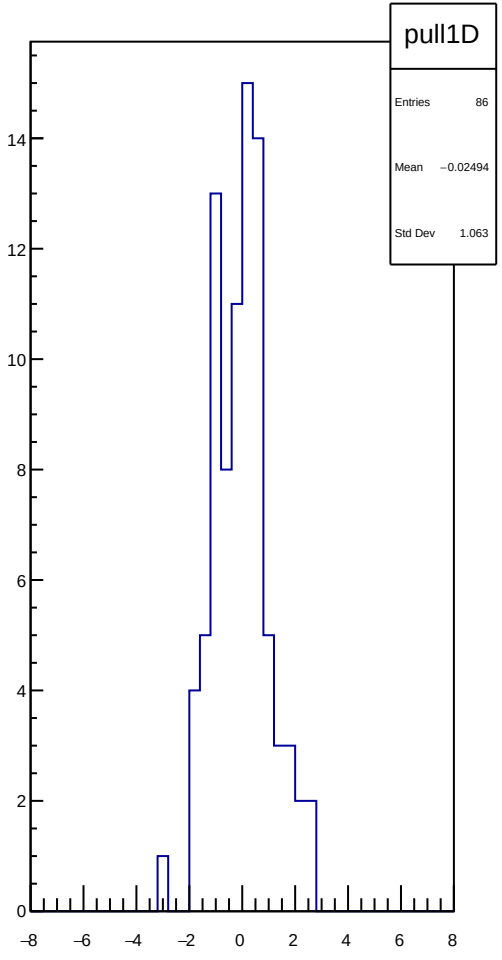

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7025 / 85
p0 0.00771 ± 6.004e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065

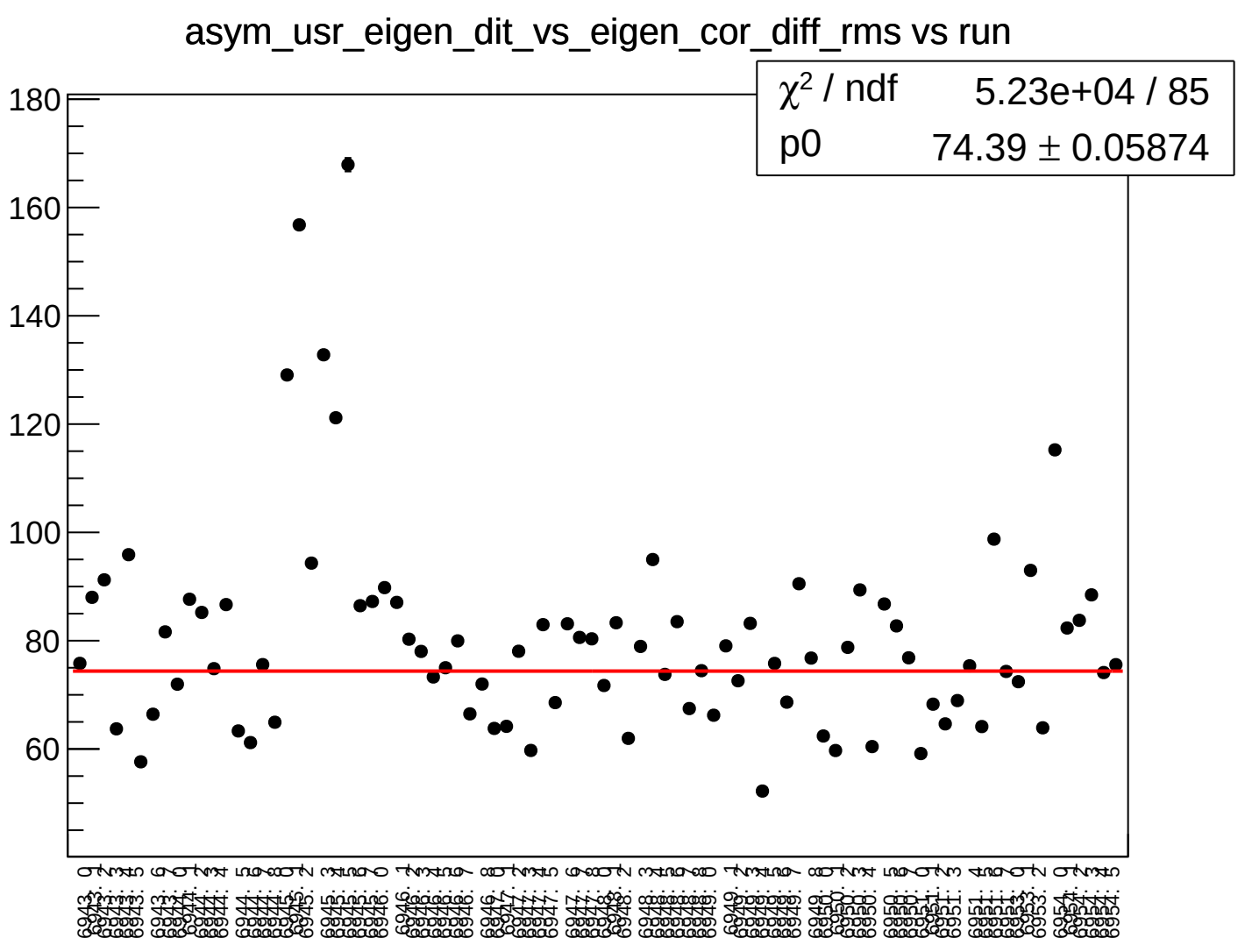

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 97.29 / 85
p0 0.1053 ± 0.08307
pull
Entries 86
Mean 103.3
Std Dev 0

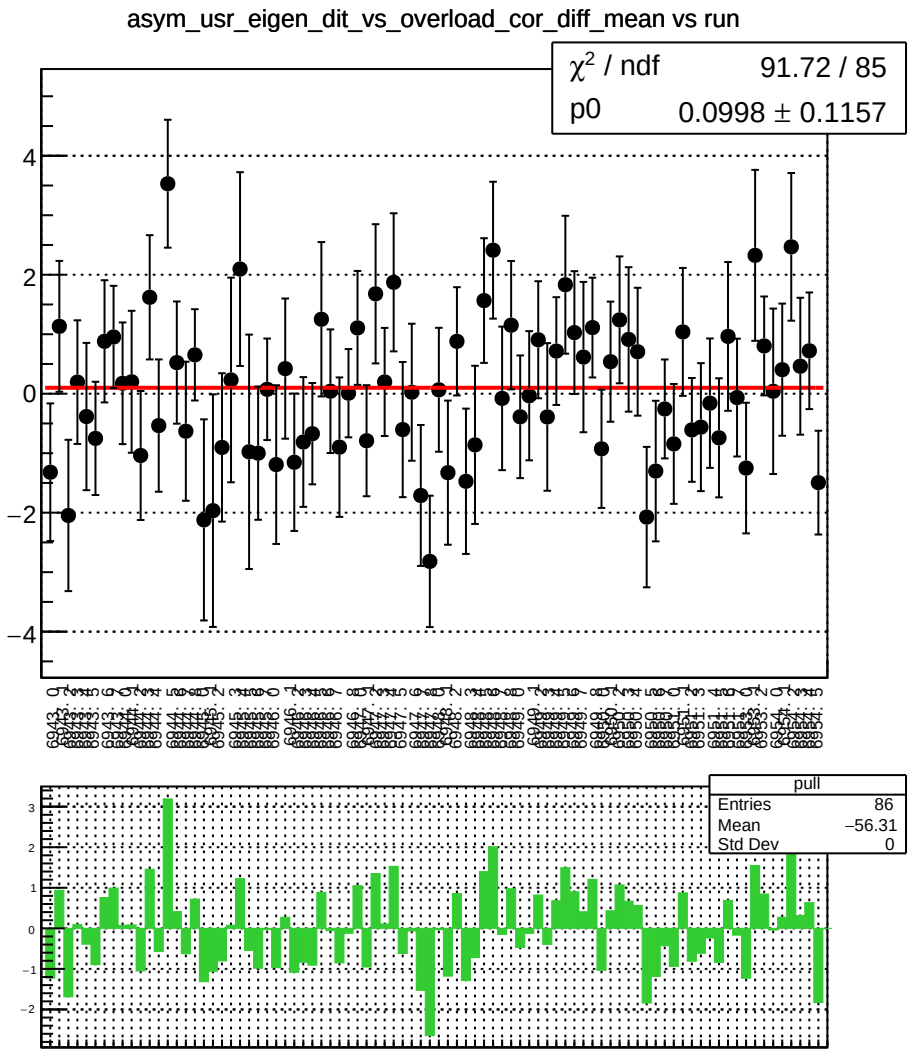

pull1D
Entries 86
Mean −0.02494
Std Dev 1.063

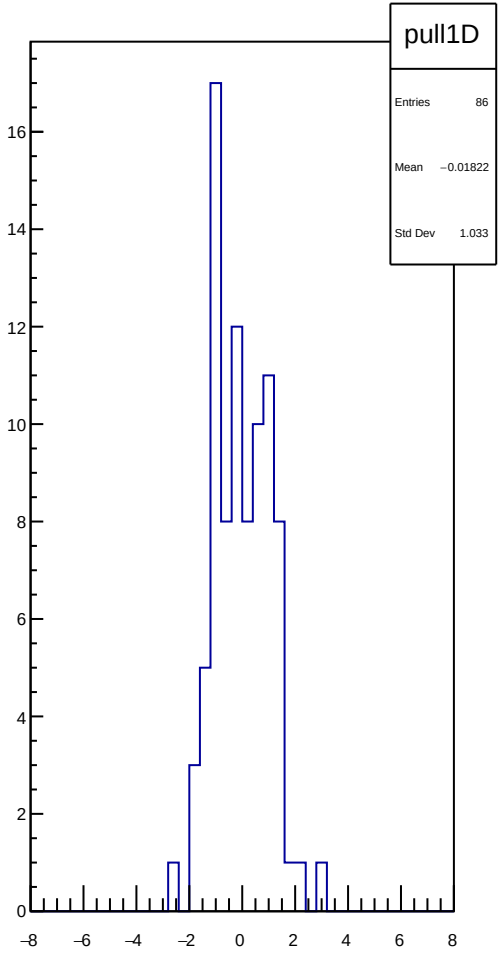

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.23e+04 / 85
p0 74.39 ± 0.05874
180
160
140
120
100
80
60

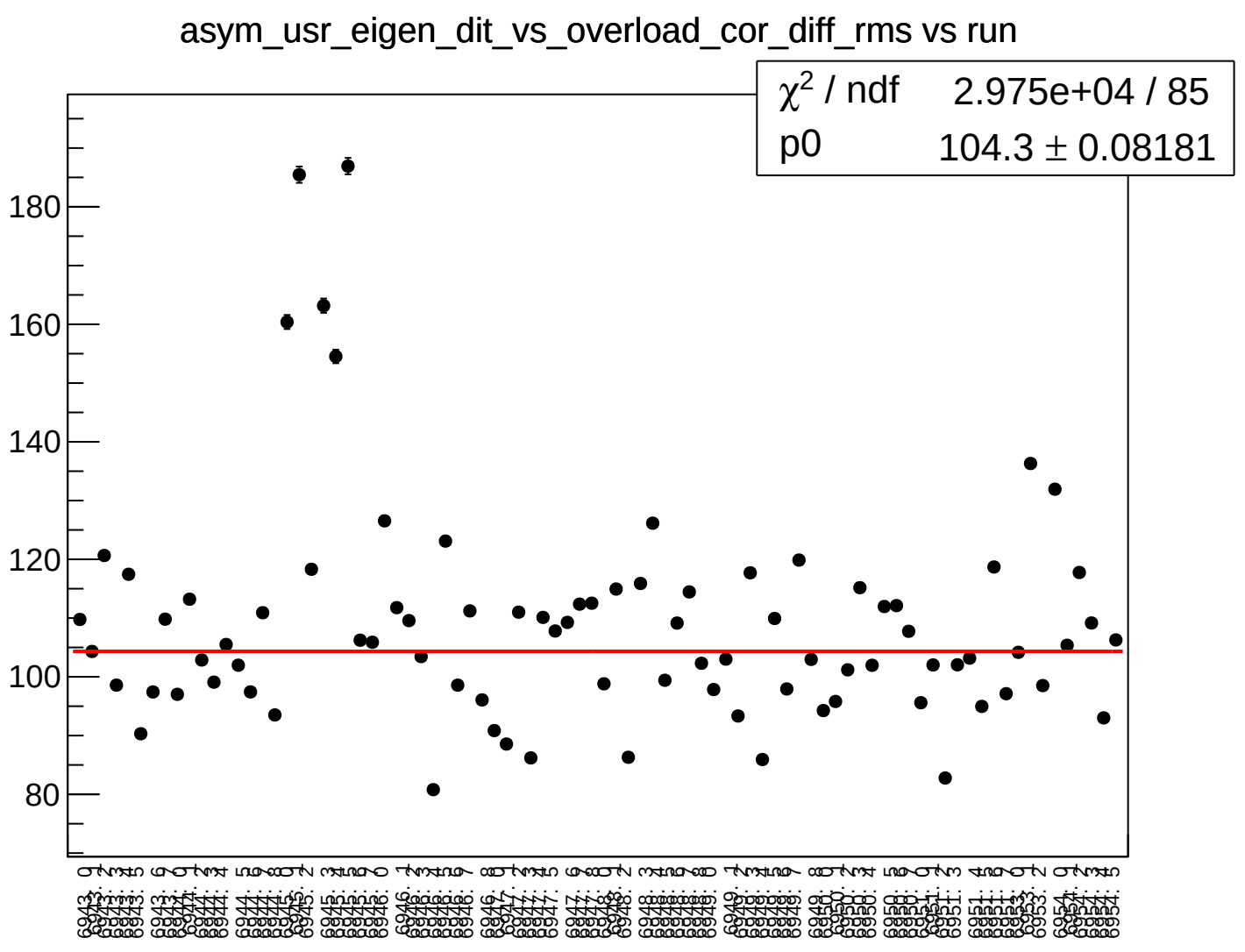

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.29 / 85
p0 0.1053 ± 0.08307
pull
Entries 86
Mean 103.3
Std Dev 0

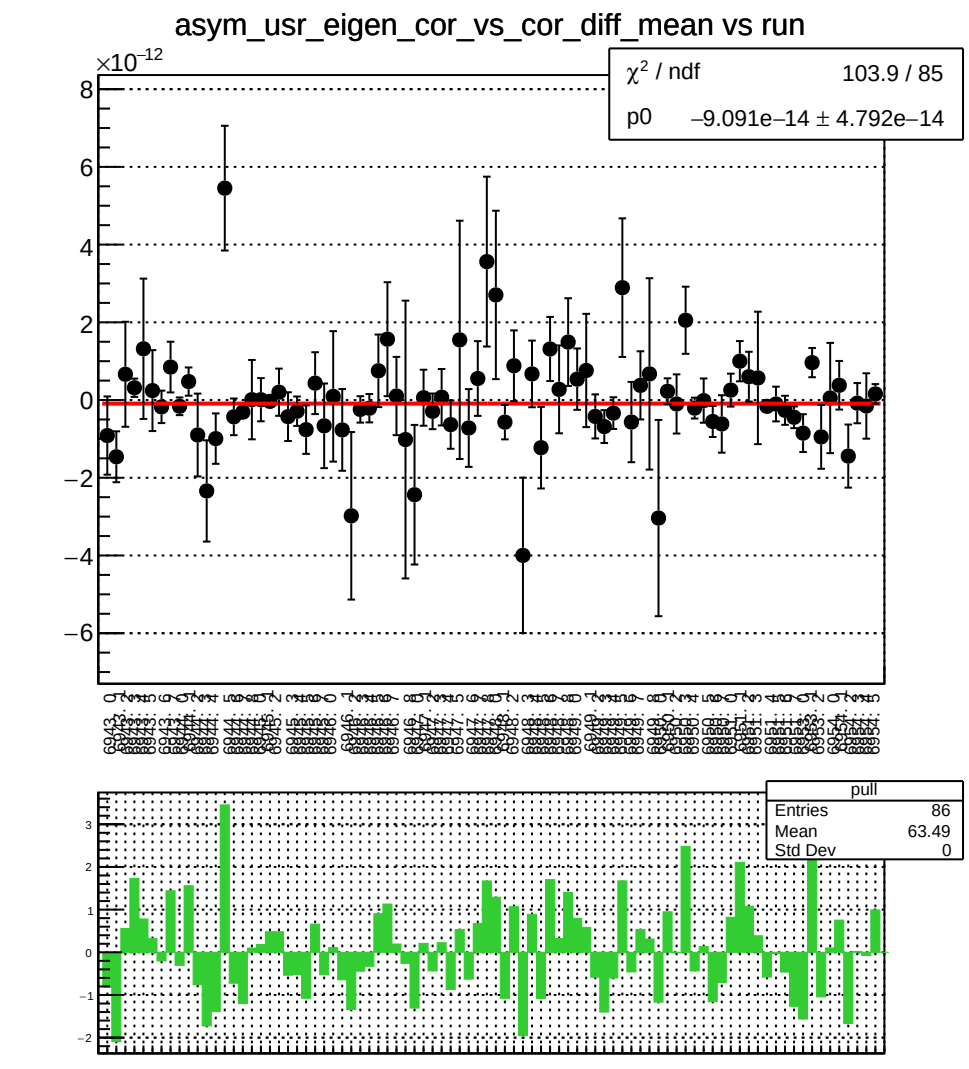

pull1D
Entries 86
Mean −0.02494
Std Dev 1.063

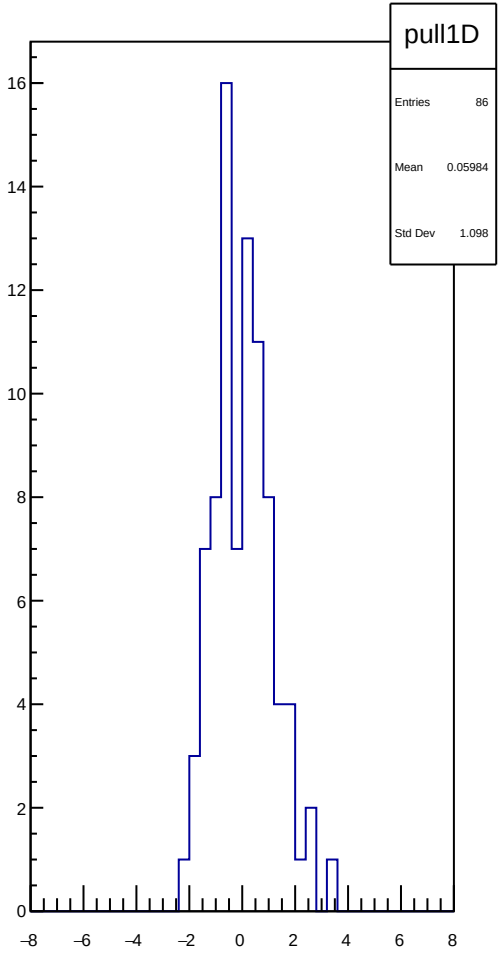

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.23e+04 / 85
p0 74.39 ± 0.05874
180
160
140
120
100
80
60

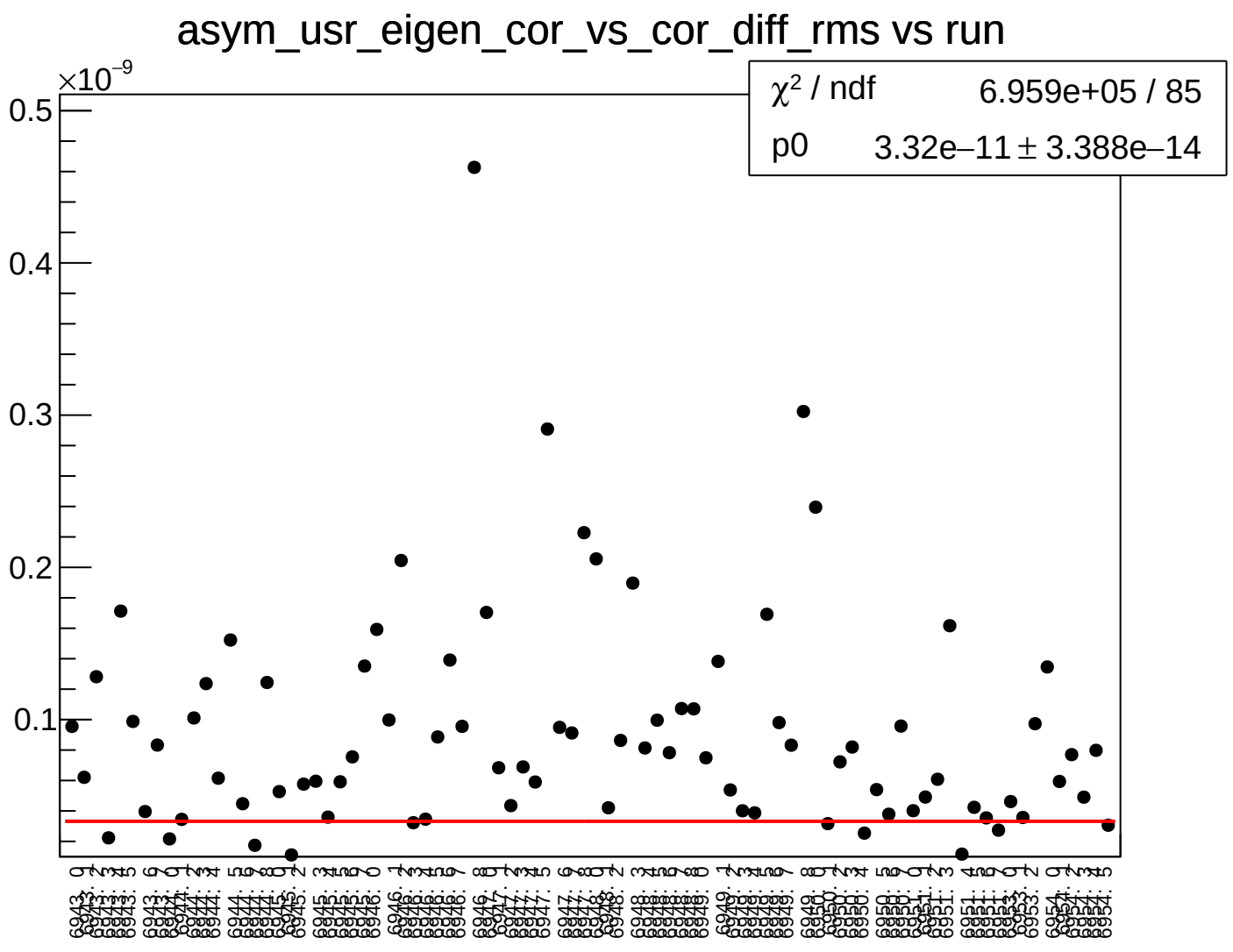

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 91.72 / 85
p0 0.0998 ± 0.1157
pull
Entries 86
Mean −56.31
Std Dev 0

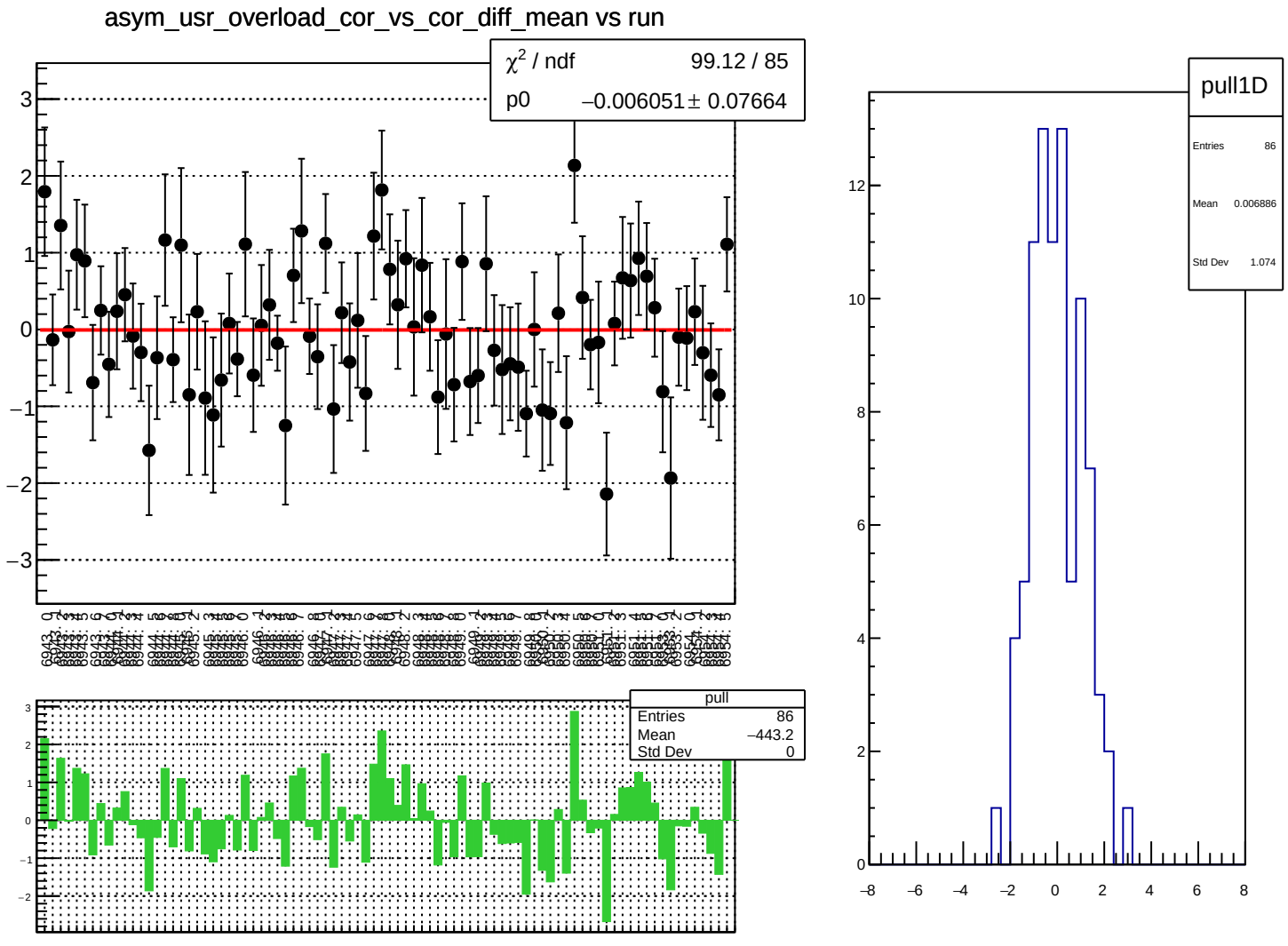

pull1D
Entries 86
Mean −0.01822
Std Dev 1.033

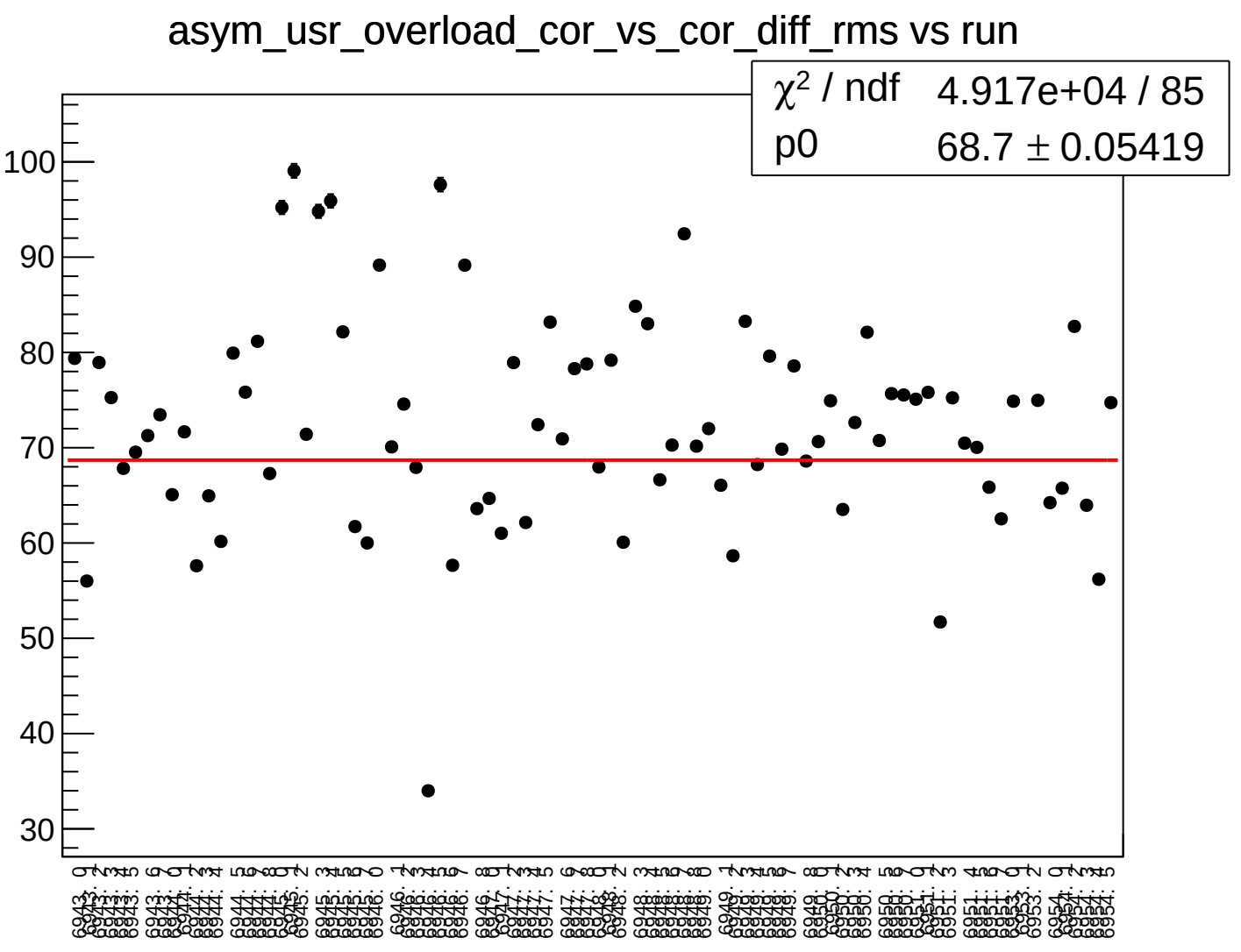

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.975e+04 / 85
p0 104.3 ± 0.08181
180
160
140
120
100
80

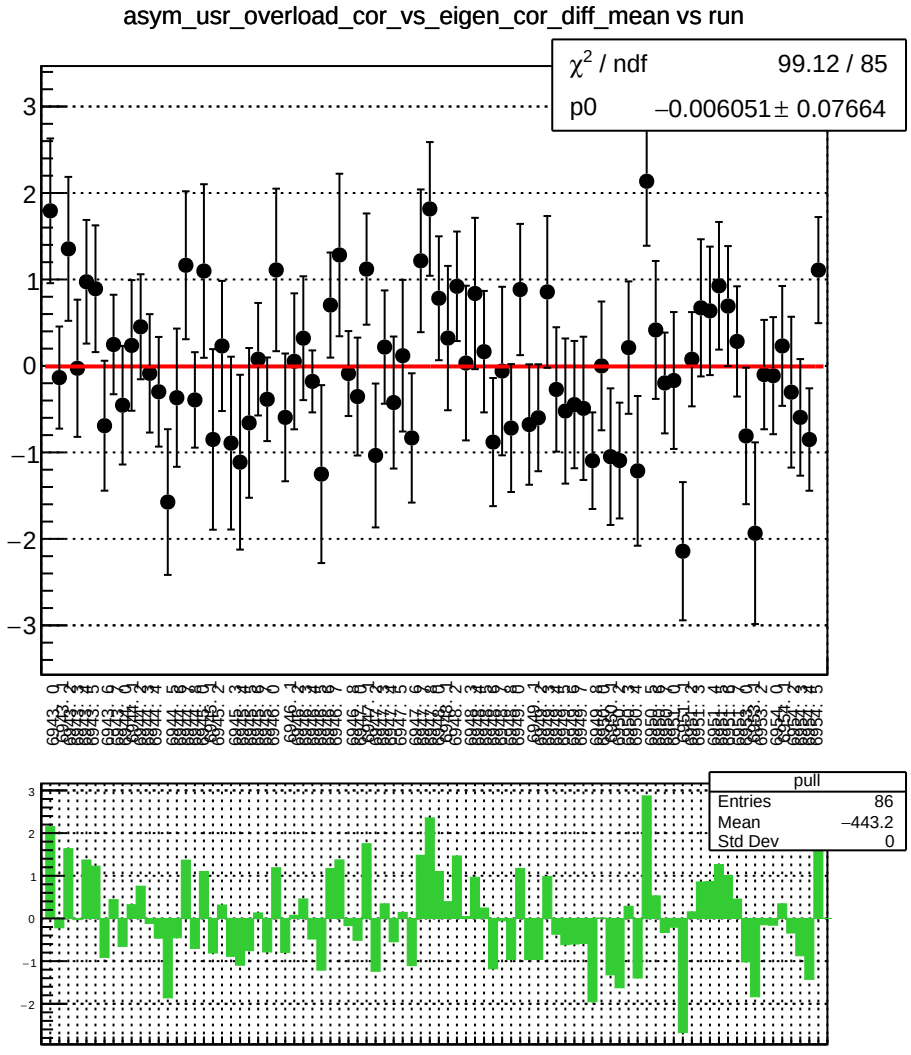

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.9 / 85
p0 −9.091e−14 ± 4.792e−14
pull
Entries 86
Mean 63.49
Std Dev 0

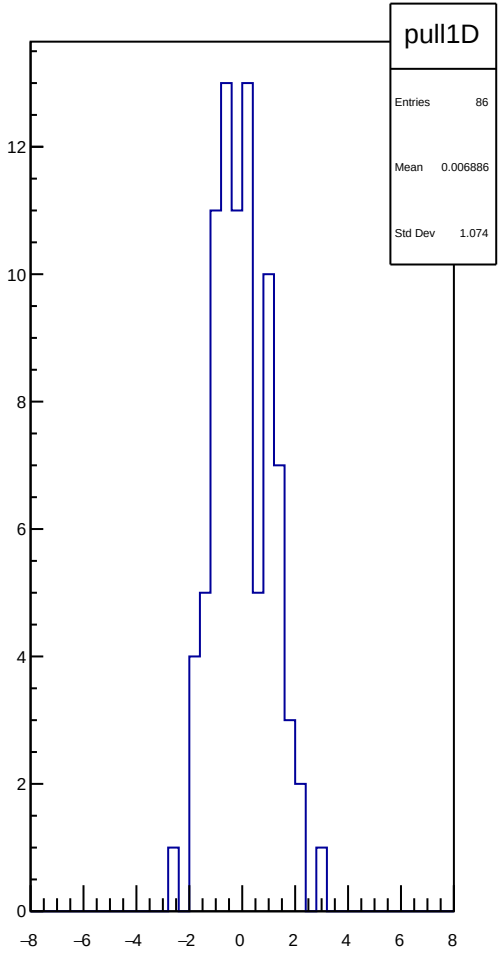

pull1D
Entries 86
Mean 0.05984
Std Dev 1.098

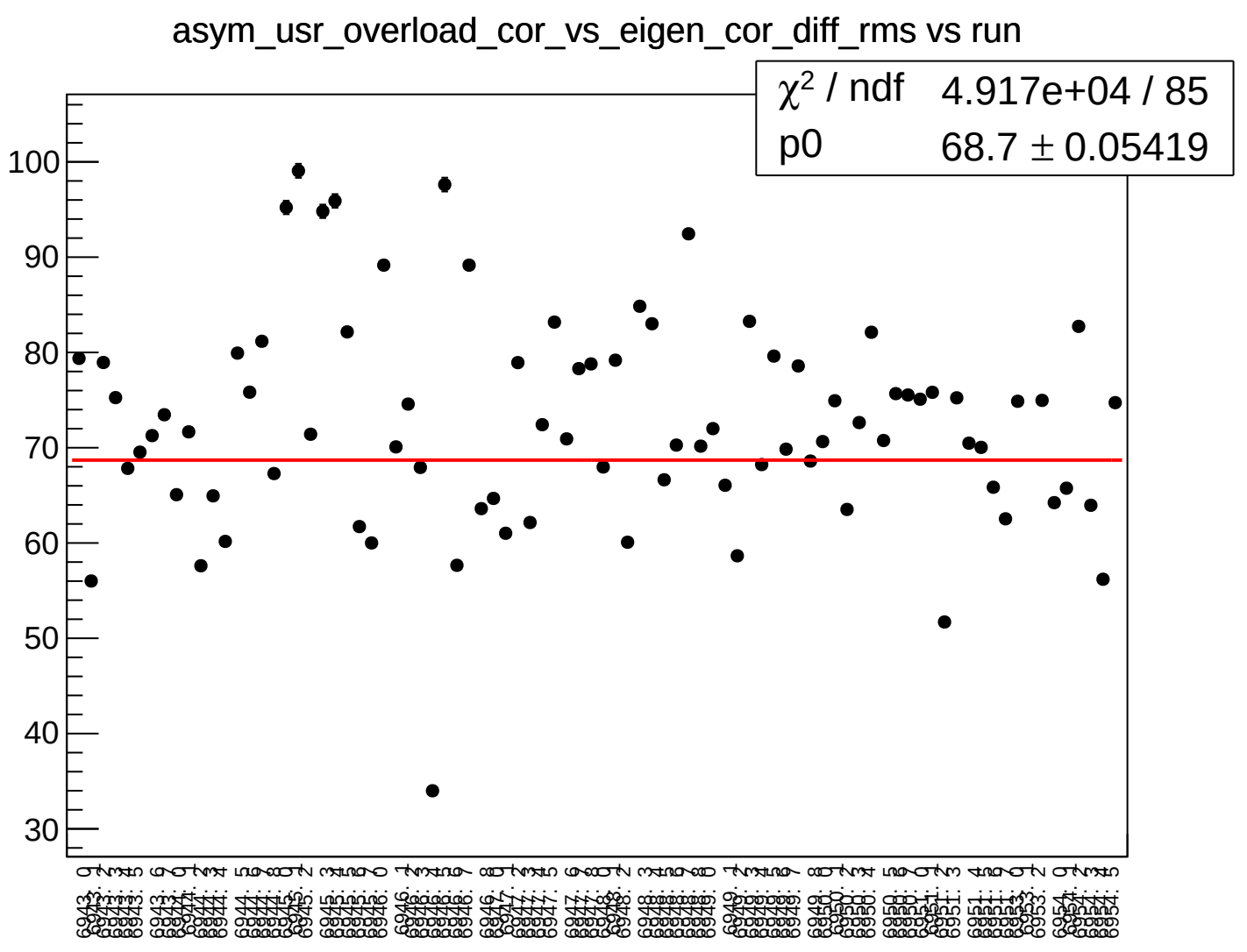

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.959e+05 / 85
p0 3.32e−11 ± 3.388e−14
0.5
0.4
0.3
0.2
0.1

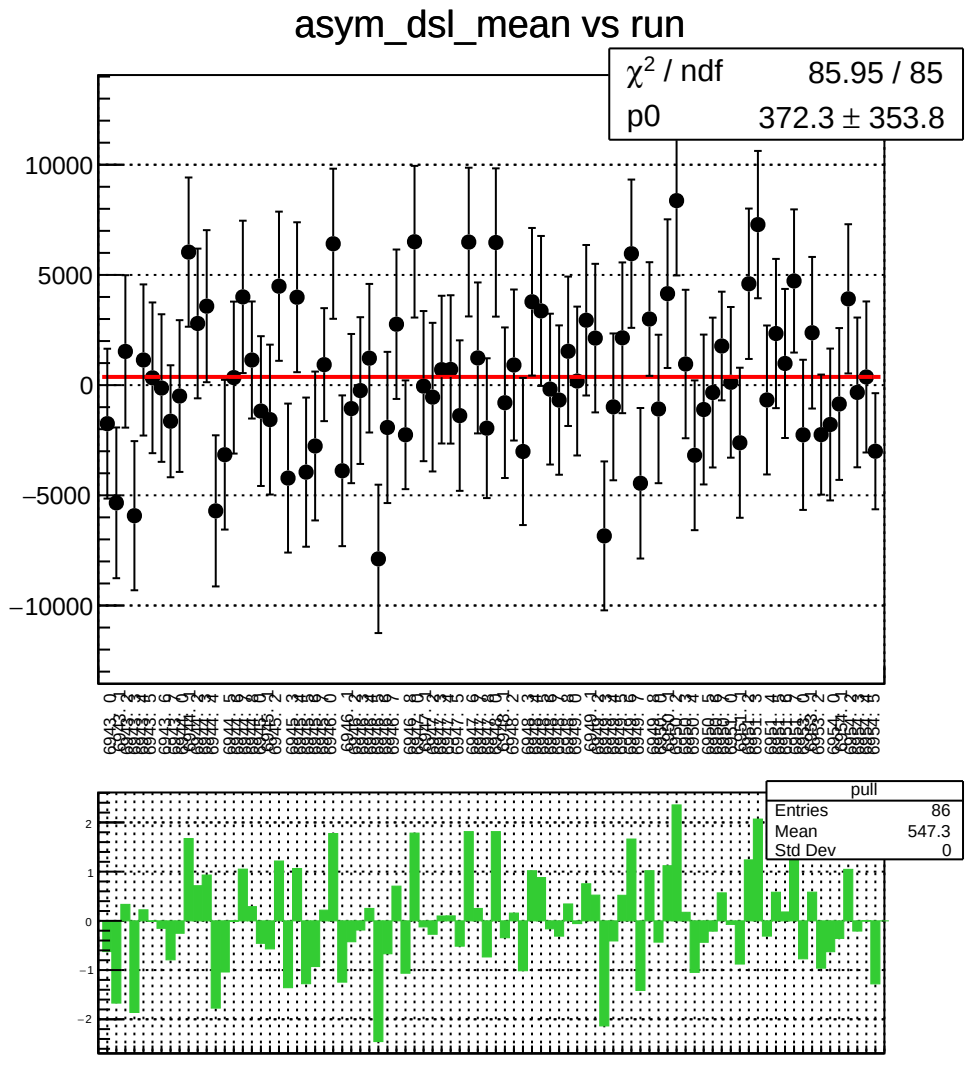

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 99.12 / 85
p0 −0.006051 ± 0.07664
pull
Entries 86
Mean −443.2
Std Dev 0
pull1D
Entries 86
Mean 0.006886
Std Dev 1.074

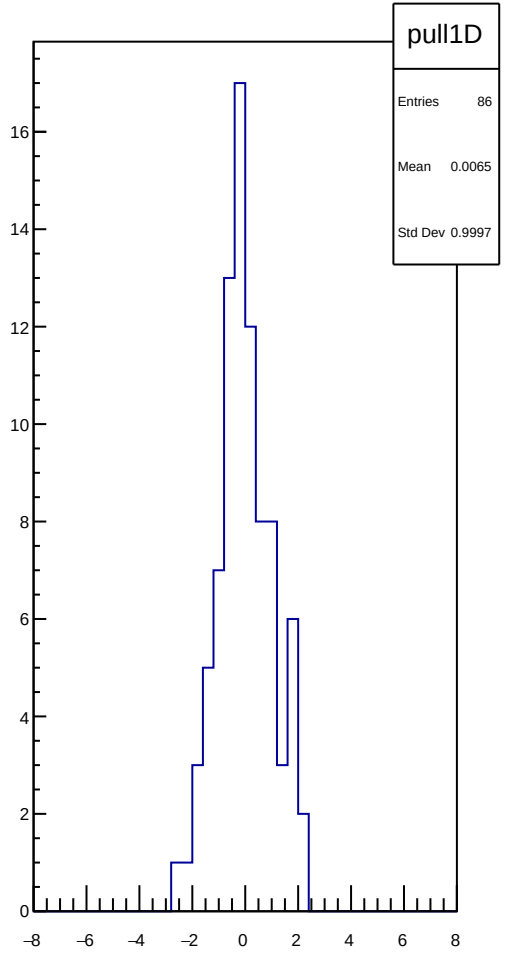

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.917e+04 / 85
p0 68.7 ± 0.05419
100
90
80
70
60
50
40
30

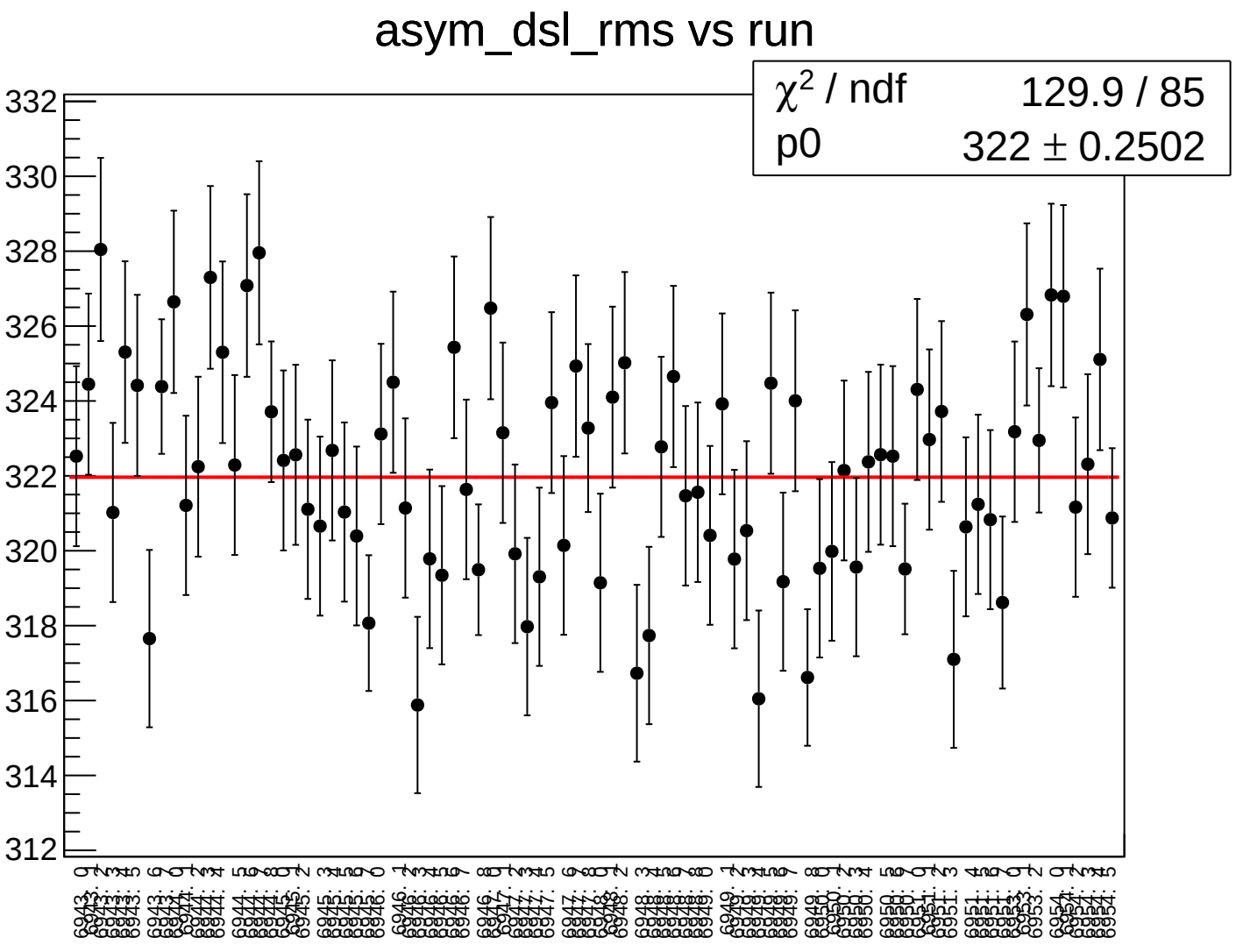

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.12 / 85
p0 −0.006051 ± 0.07664
pull
Entries 86
Mean −443.2
Std Dev 0

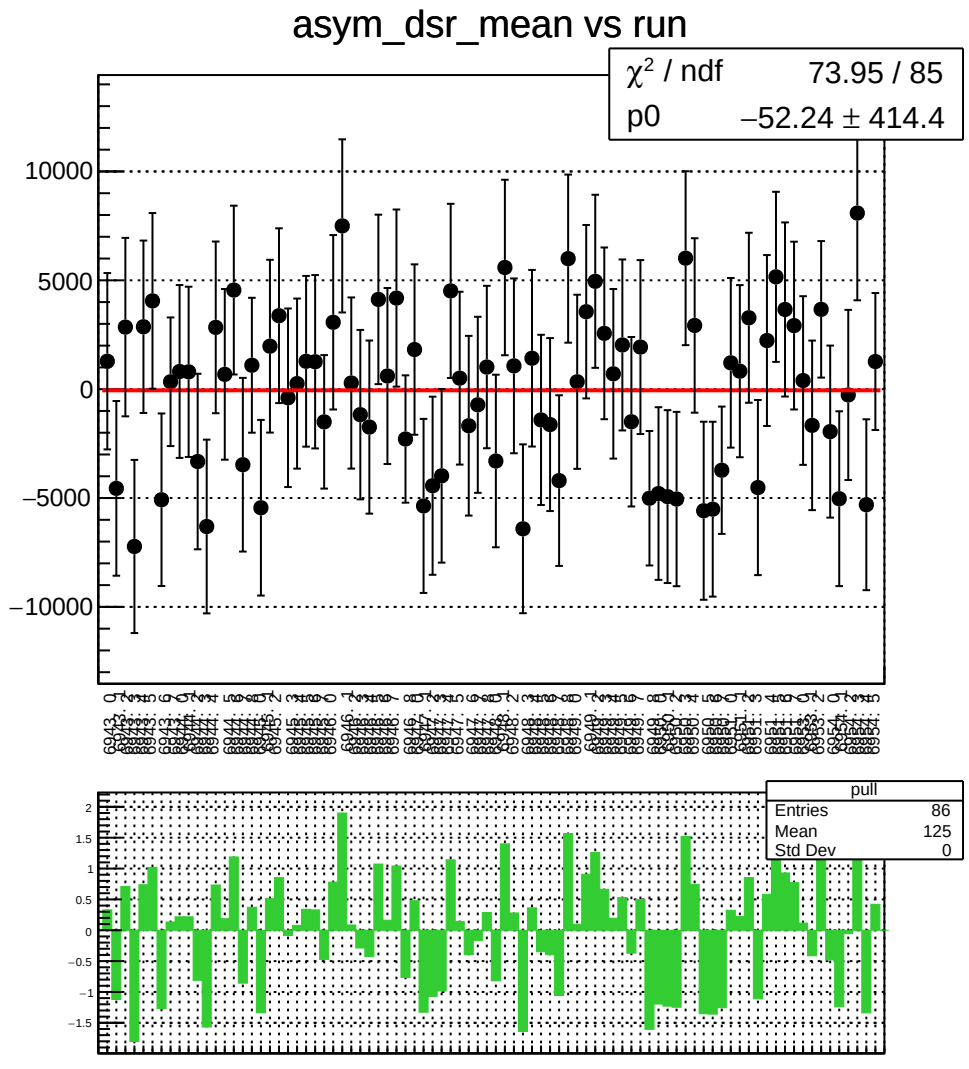

pull1D
Entries 86
Mean 0.006886
Std Dev 1.074

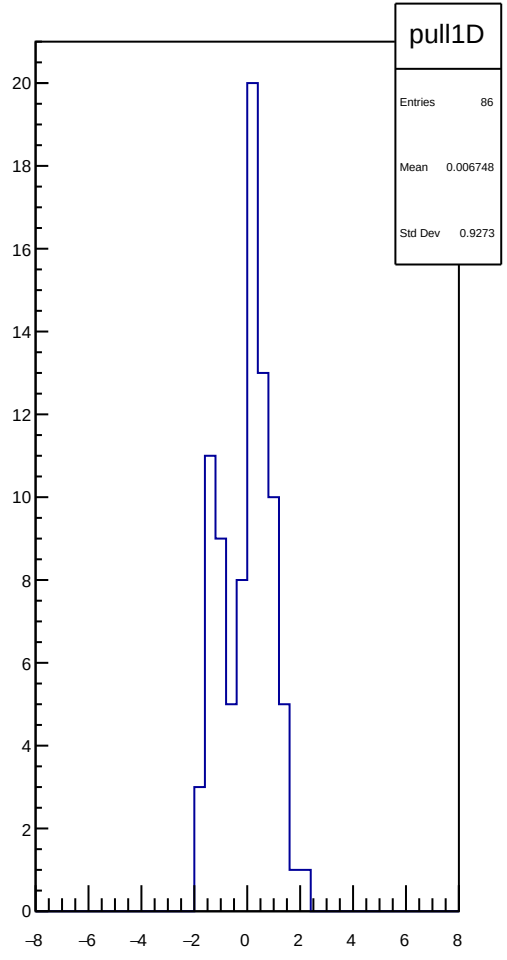

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.917e+04 / 85
p0 68.7 ± 0.05419
100
90
80
70
60
50
40
30

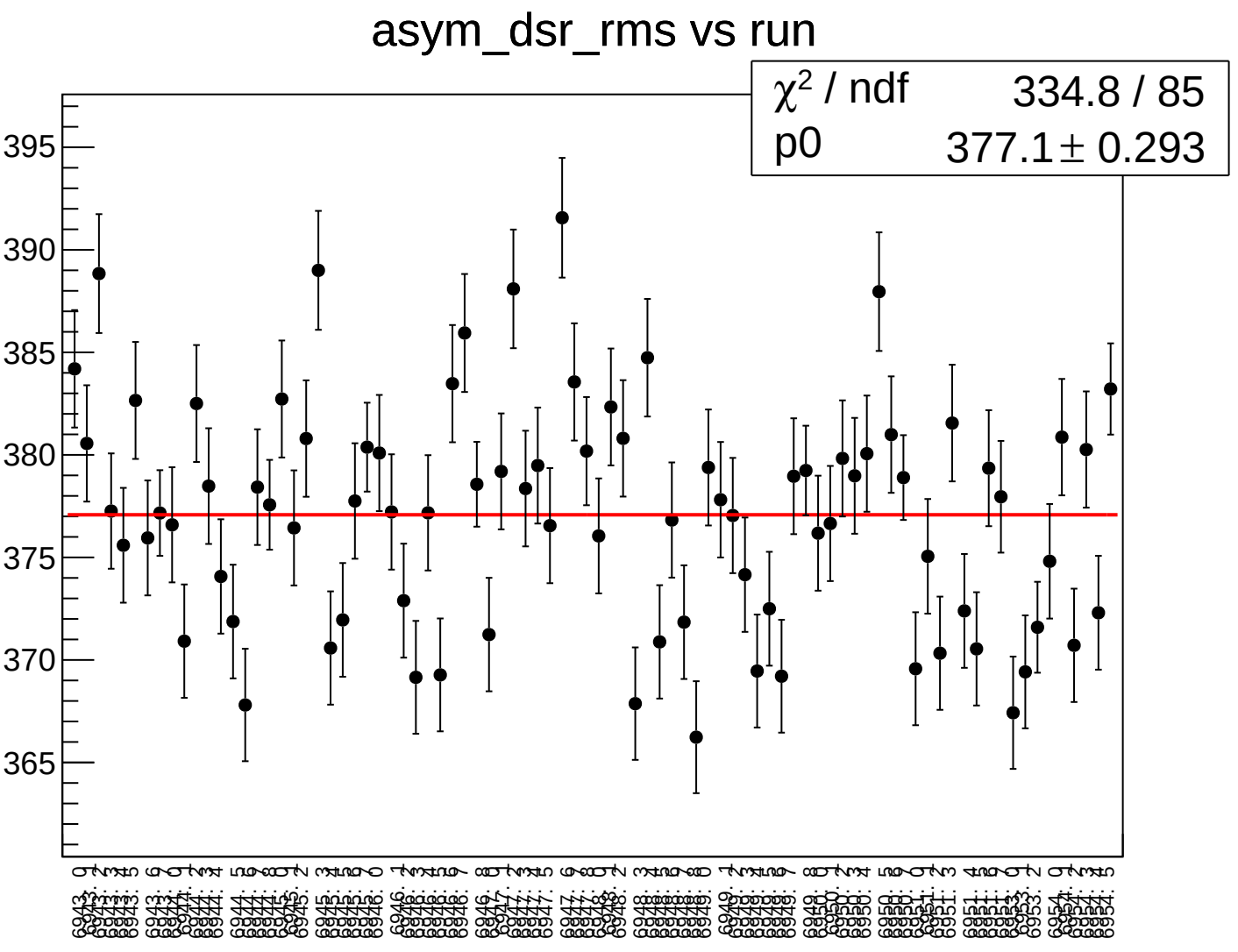

asym_dsl_mean vs run
χ² / ndf 85.95 / 85
p0 372.3 ± 353.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 547.3
Std Dev 0
2
1
0
−1
−2

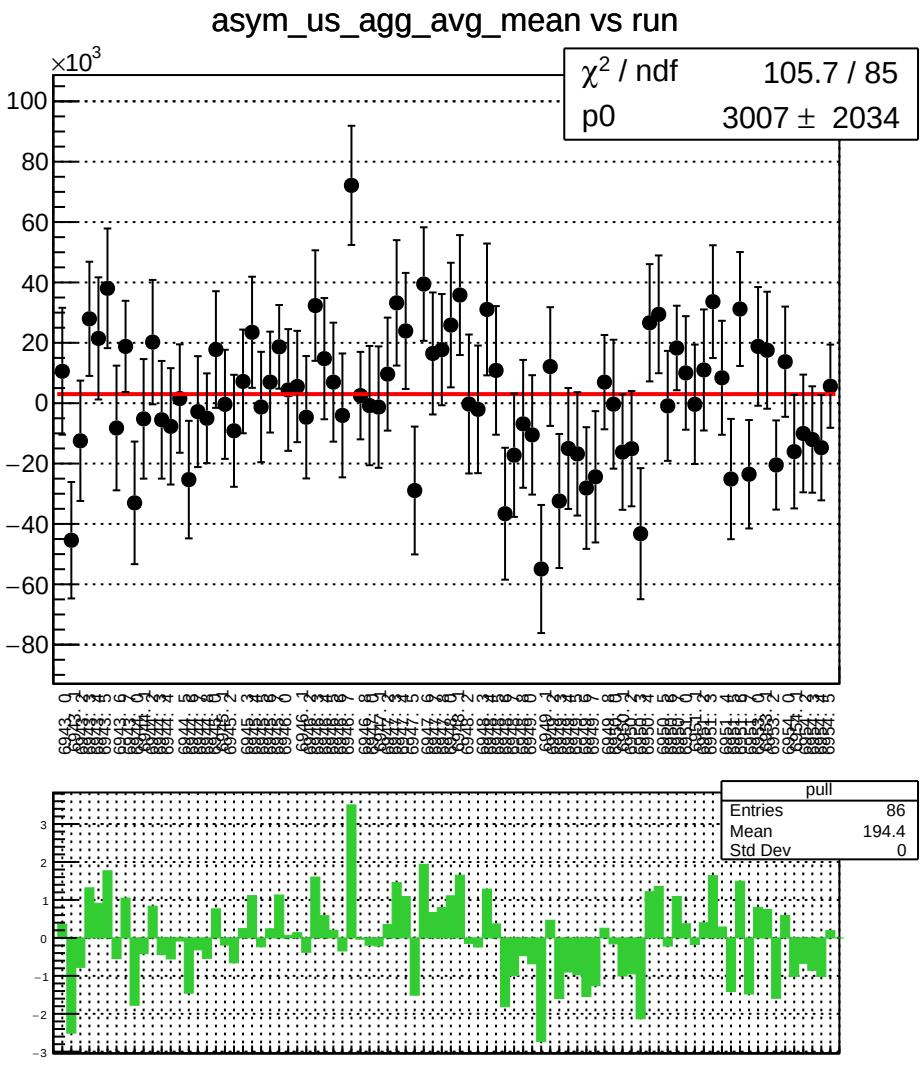

pull1D
Entries 86
Mean 0.0065
Std Dev 0.9997
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

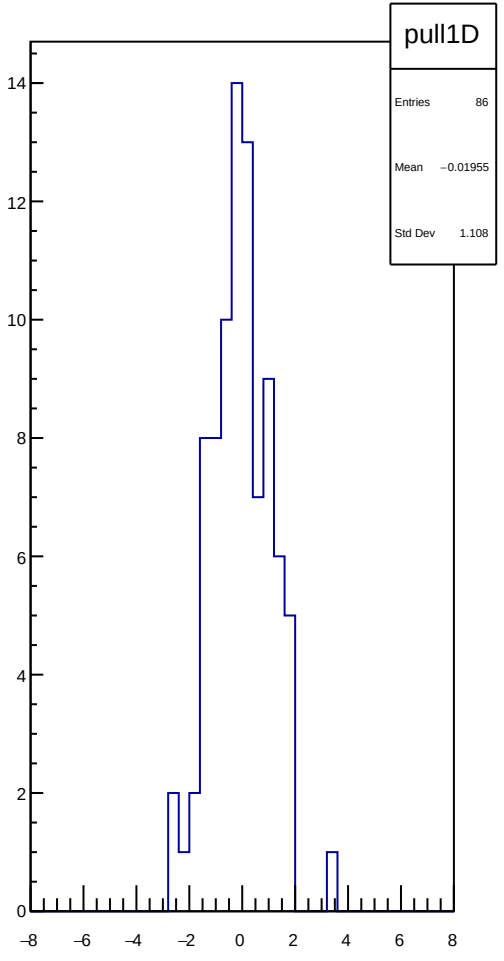

asym_dsl_rms vs run
χ^2 / ndf 129.9 / 85
p0 322 ± 0.2502
332
330
328
326
324
322
320
318
316
314
312

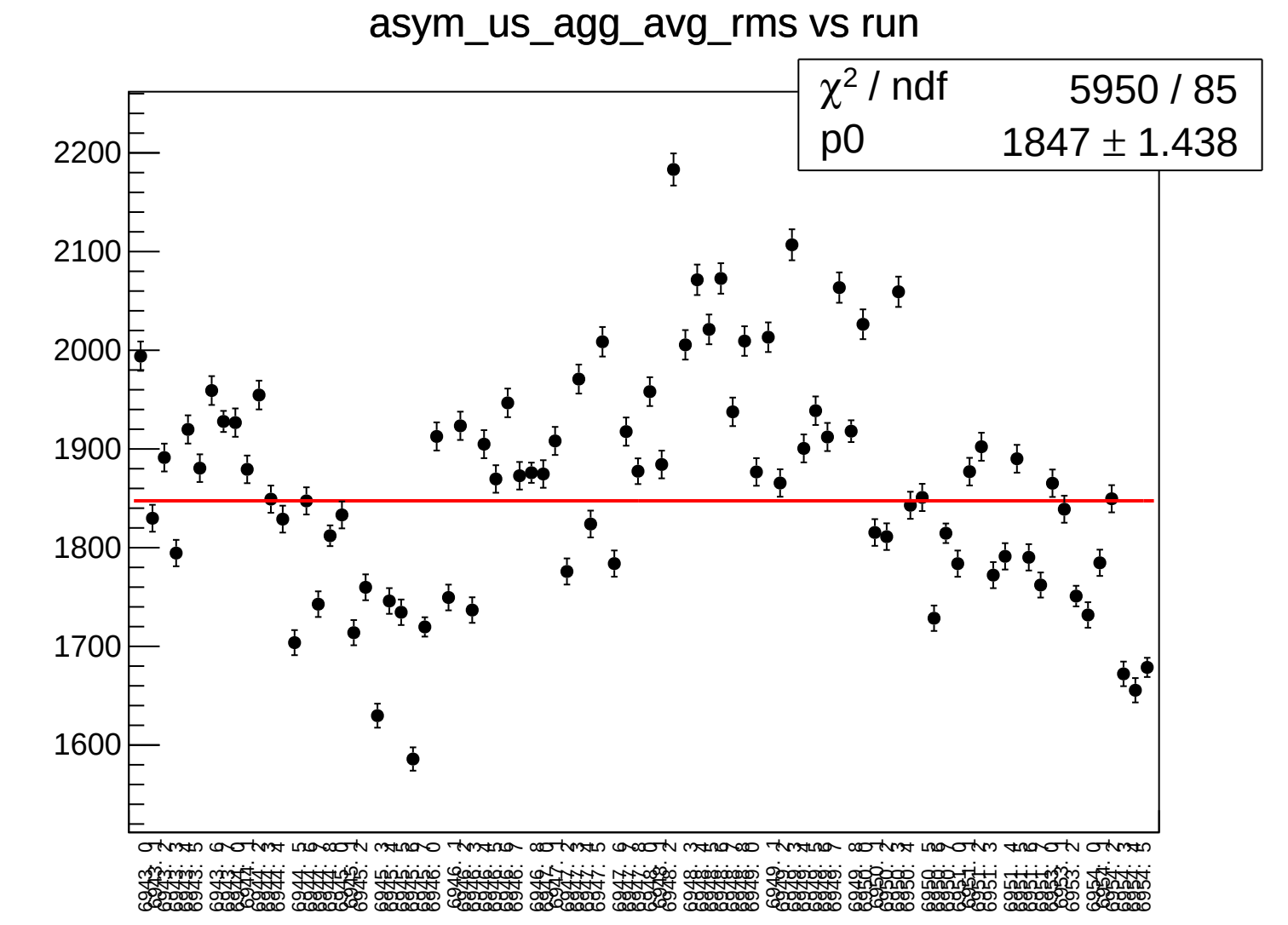

asym_dsr_mean vs run
χ² / ndf 73.95 / 85
p0 −52.24 ± 414.4
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 125
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

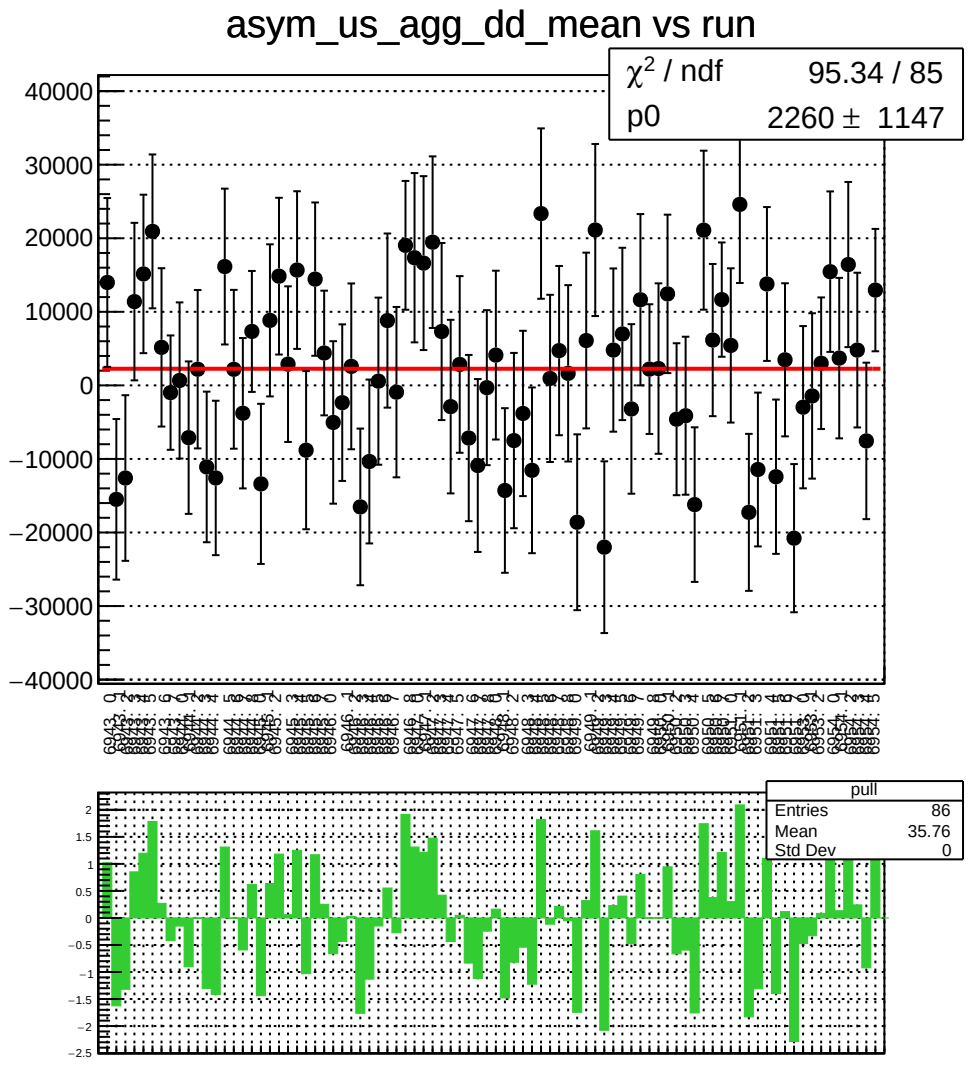

pull1D
Entries 86
Mean 0.006748
Std Dev 0.9273
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

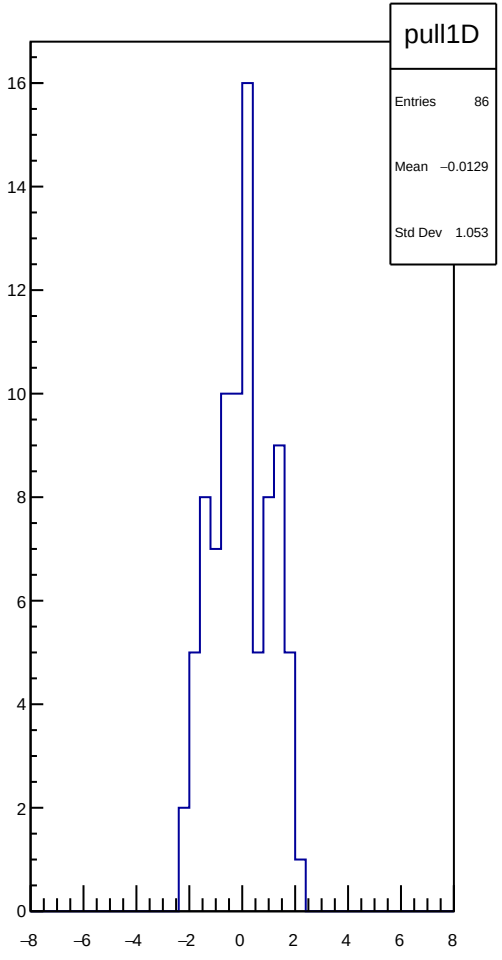

asym_dsr_rms vs run
χ² / ndf 334.8 / 85
p0 377.1 ± 0.293
395
390
385
380
375
370
365

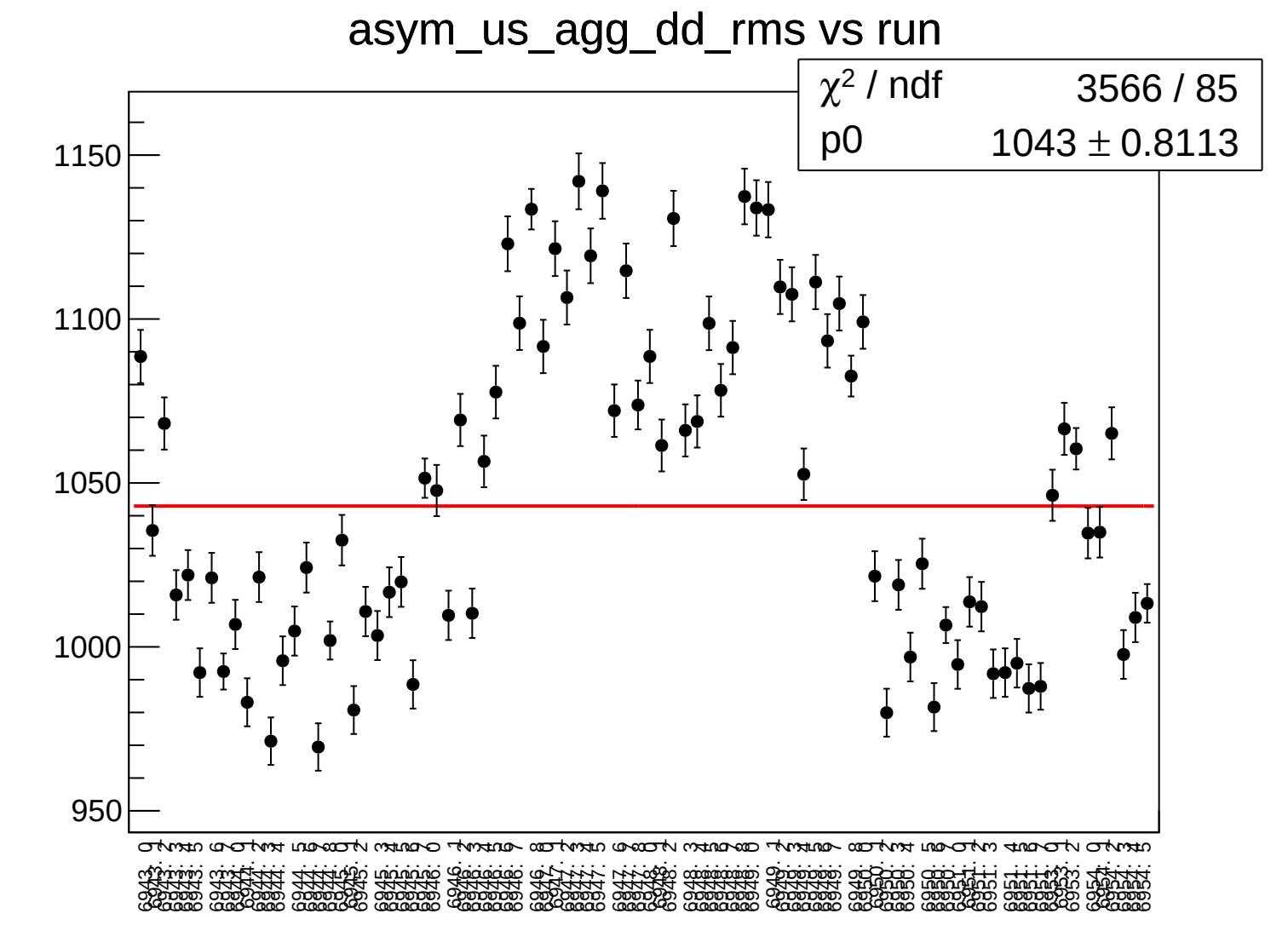

asym_us_agg_avg_mean vs run
×10^3
χ^2 / ndf 105.7 / 85
p0 3007 ± 2034
pull
Entries 86
Mean 194.4
Std Dev 0

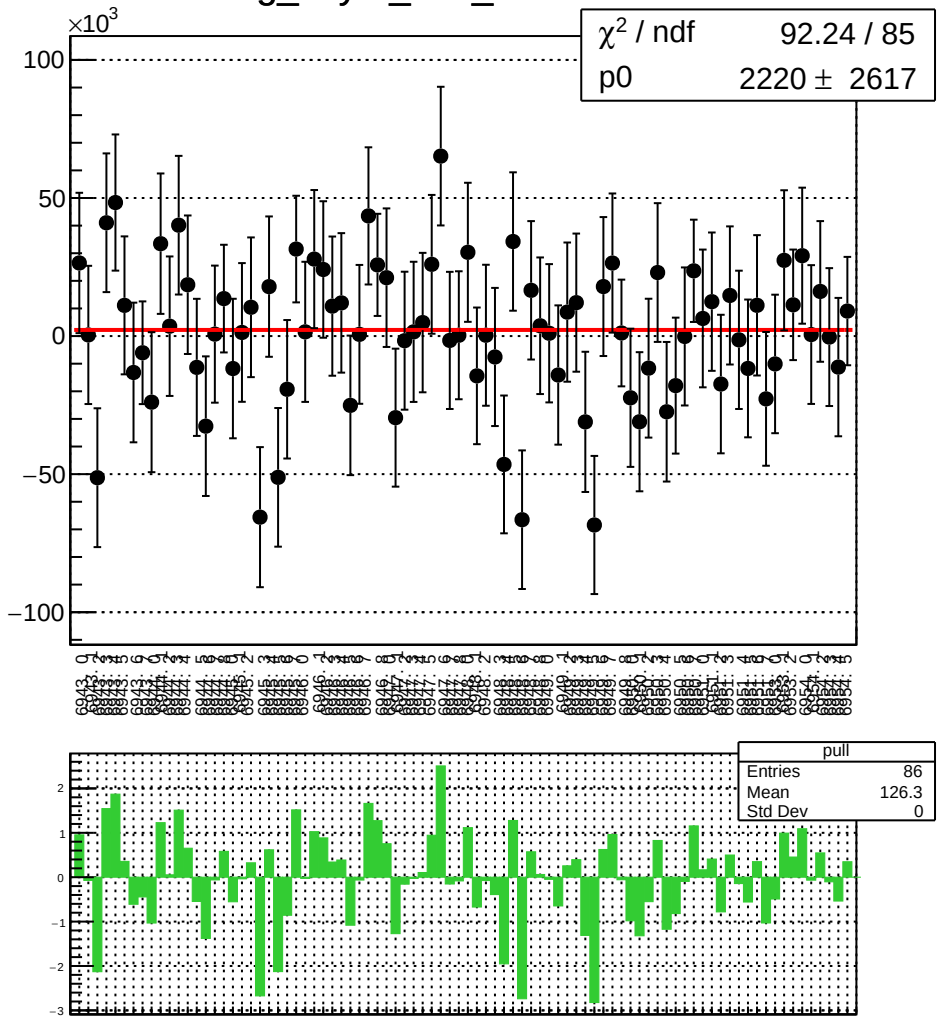

pull1D
Entries 86
Mean −0.01955
Std Dev 1.108

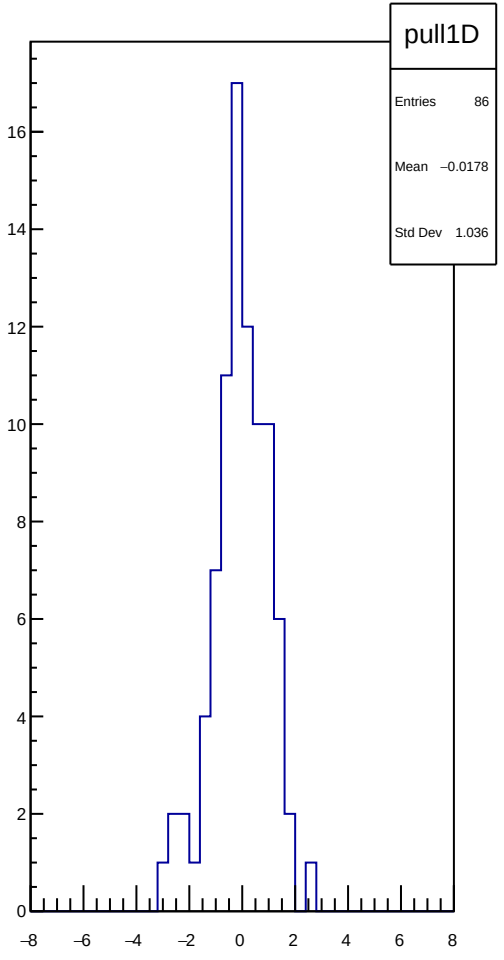

asym_us_agg_avg_rms vs run
χ^2 / ndf 5950 / 85
p0 1847 ± 1.438
2200
2100
2000
1900
1800
1700
1600

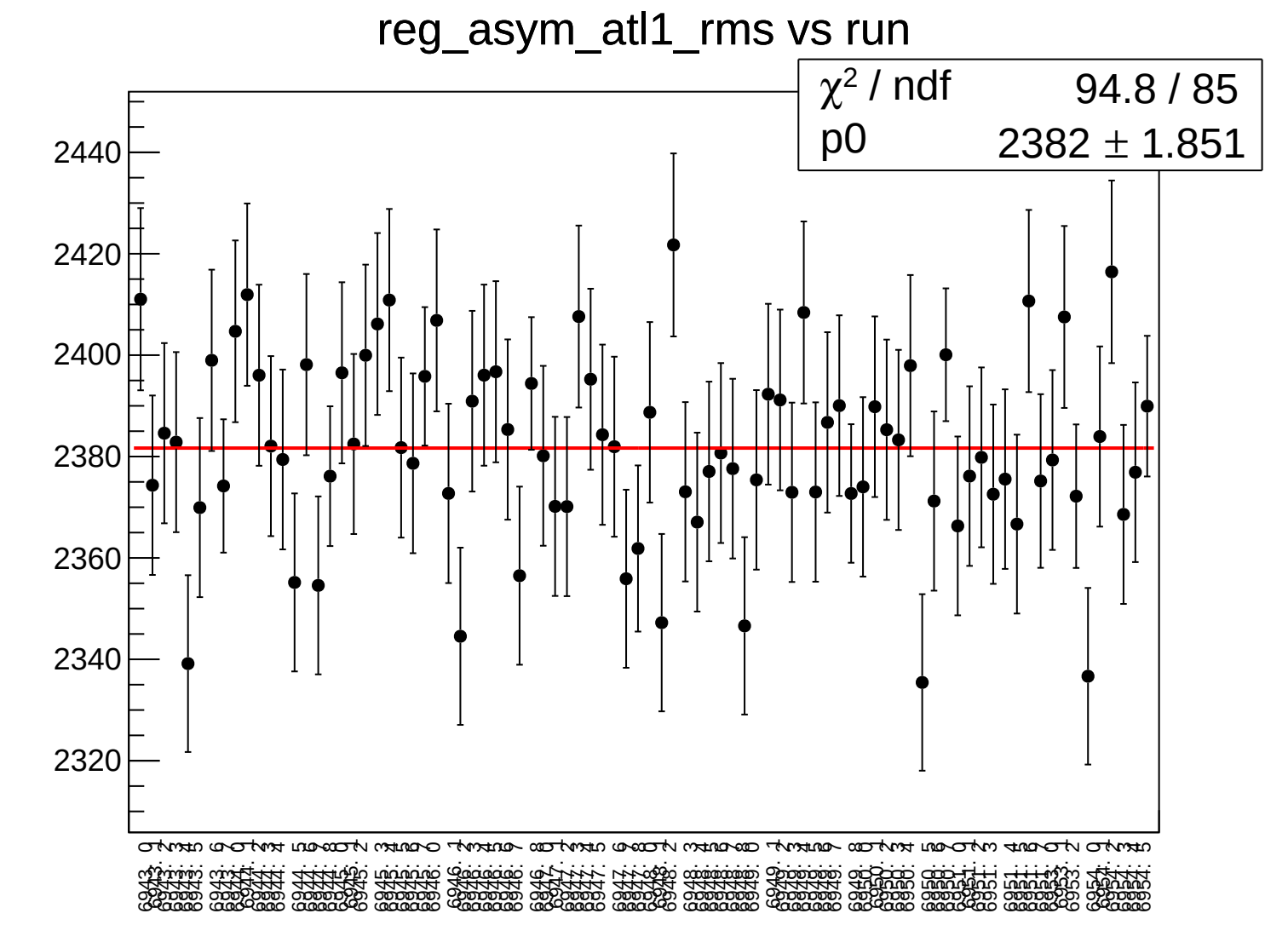

asym_us_agg_dd_mean vs run
χ² / ndf 95.34 / 85
p0 2260 ± 1147
pull
Entries 86
Mean 35.76
Std Dev 0

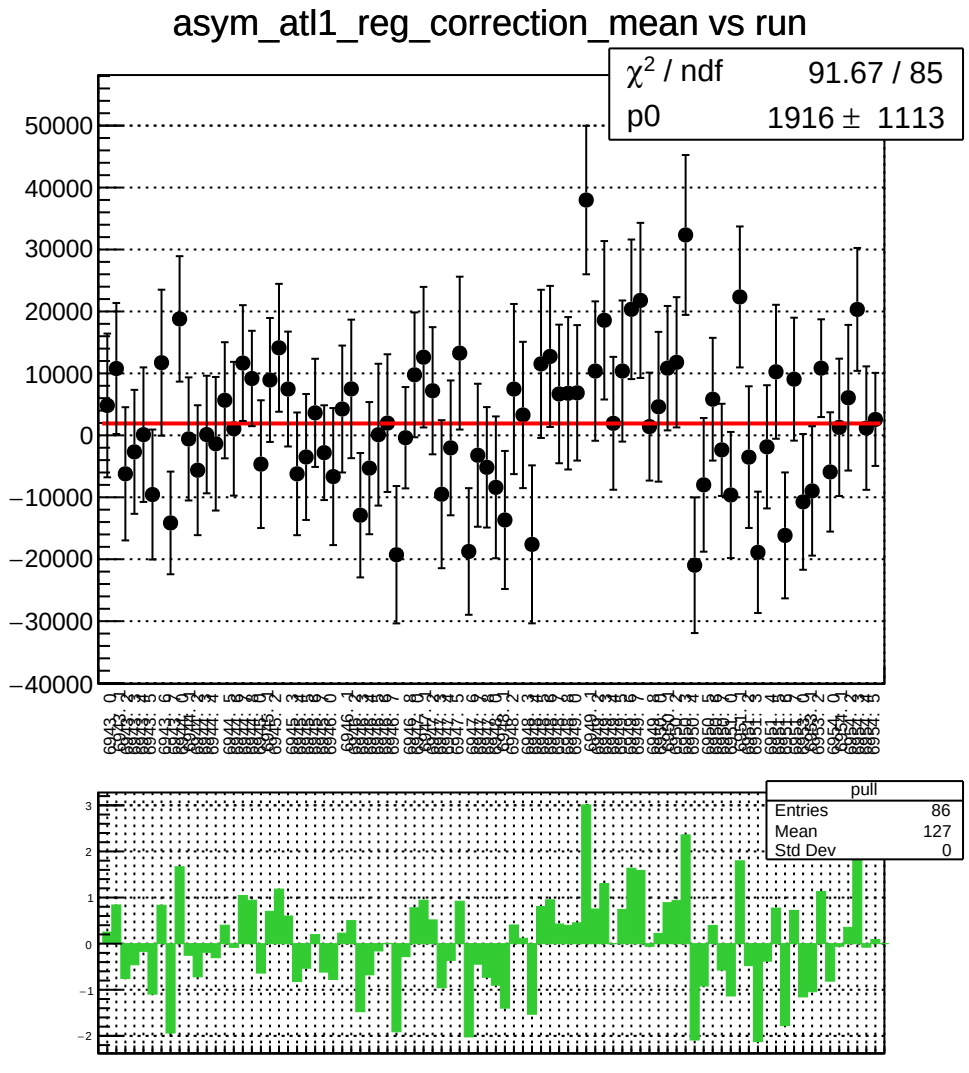

pull1D
Entries 86
Mean −0.0129
Std Dev 1.053

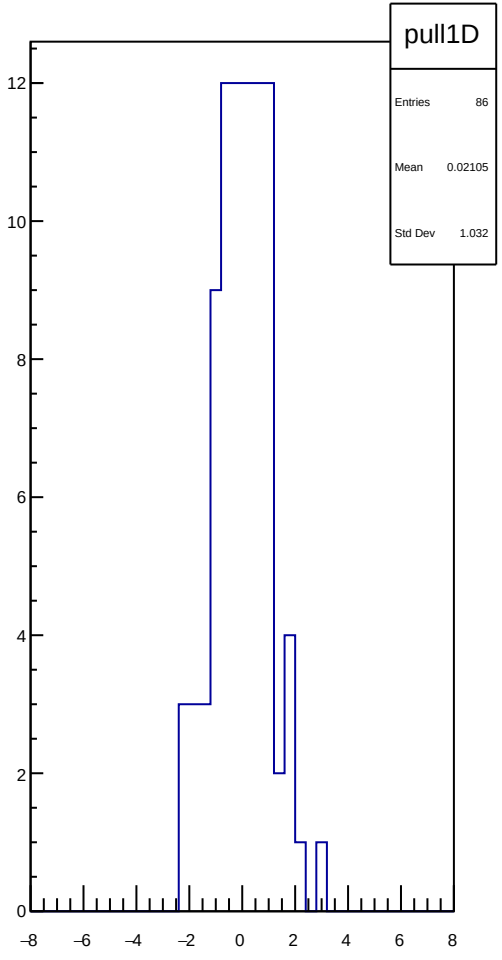

asym_us_agg_dd_rms vs run
χ² / ndf 3566 / 85
p0 1043 ± 0.8113
1150
1100
1050
1000
950

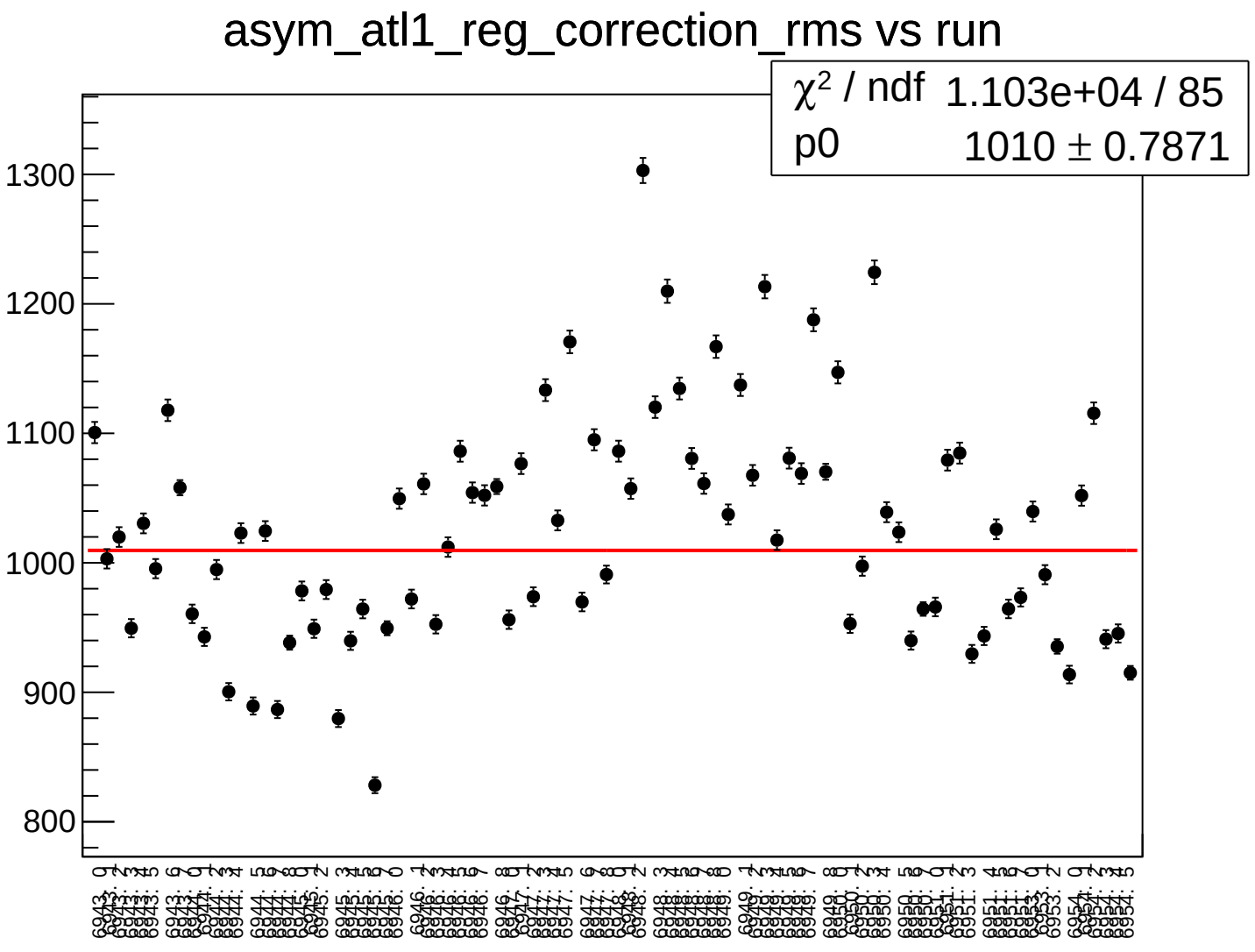

reg_asym_atl1_mean vs run
×10^3
χ^2 / ndf 92.24 / 85
p0 2220 ± 2617
100
50
0
−50
−100
pull
Entries 86
Mean 126.3
Std Dev 0
2
1
0
−1
−2
−3

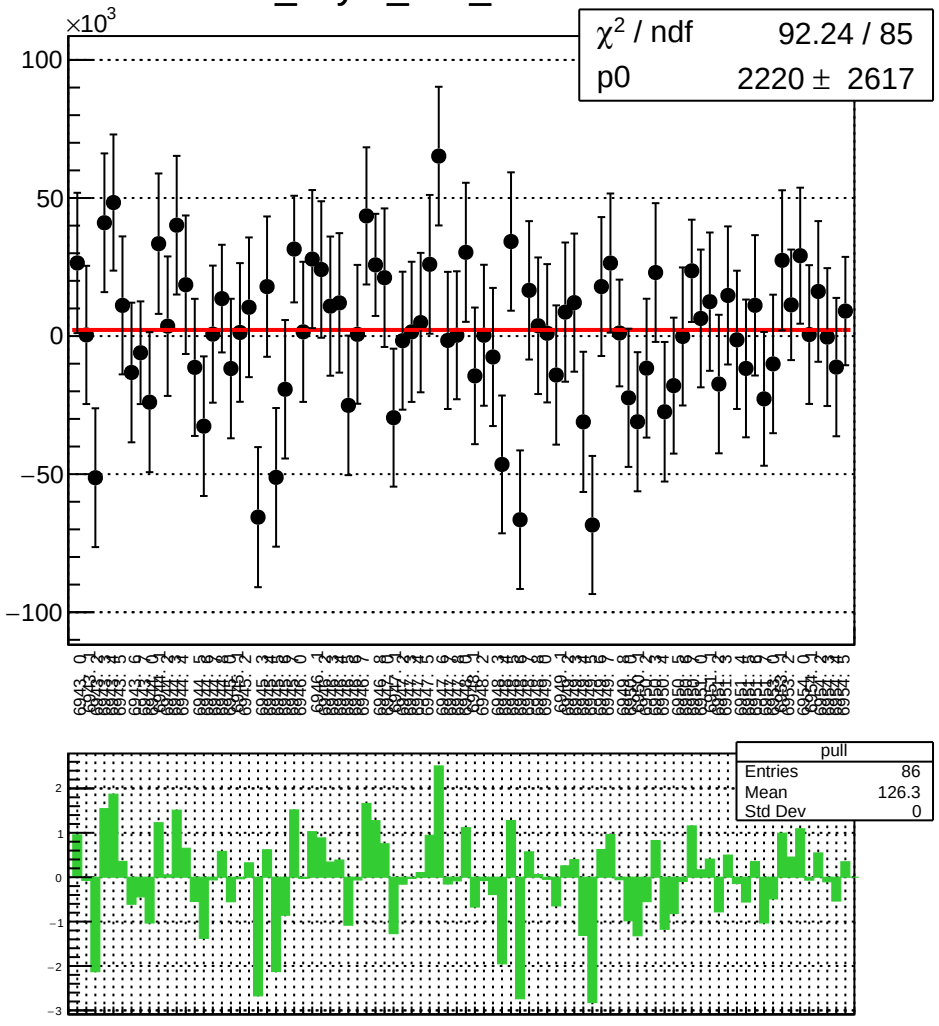

pull1D
Entries 86
Mean −0.0178
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

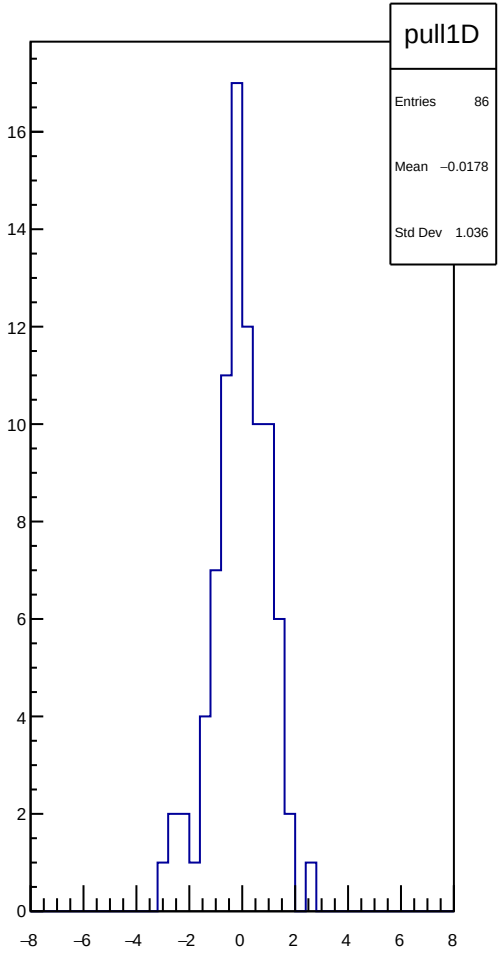

reg_asym_atl1_rms vs run
χ² / ndf 94.8 / 85
p0 2382 ± 1.851
2440
2420
2400
2380
2360
2340
2320

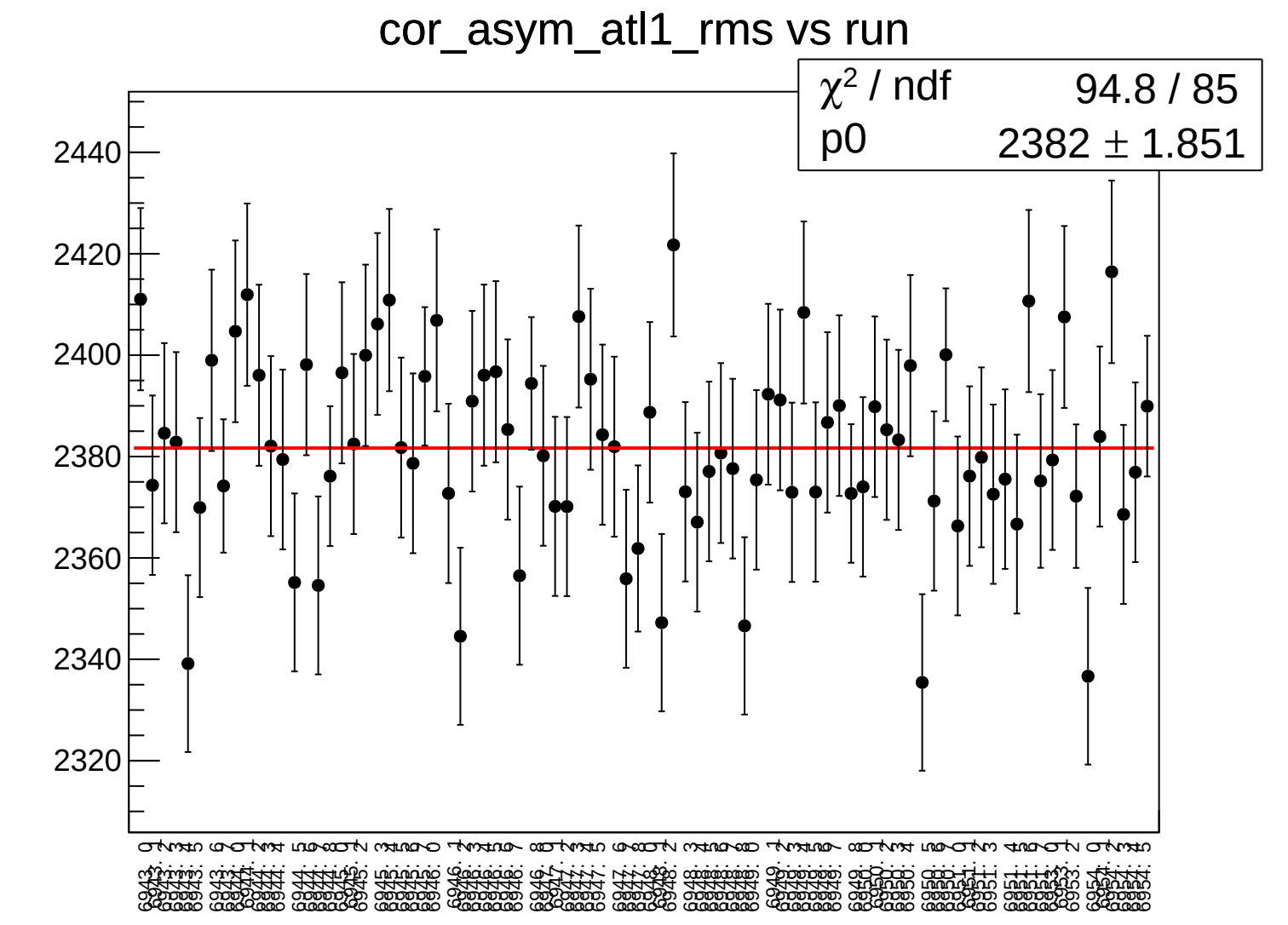

asym_atl1_reg_correction_mean vs run
χ² / ndf 91.67 / 85
p0 1916 ± 1113
pull
Entries 86
Mean 127
Std Dev 0

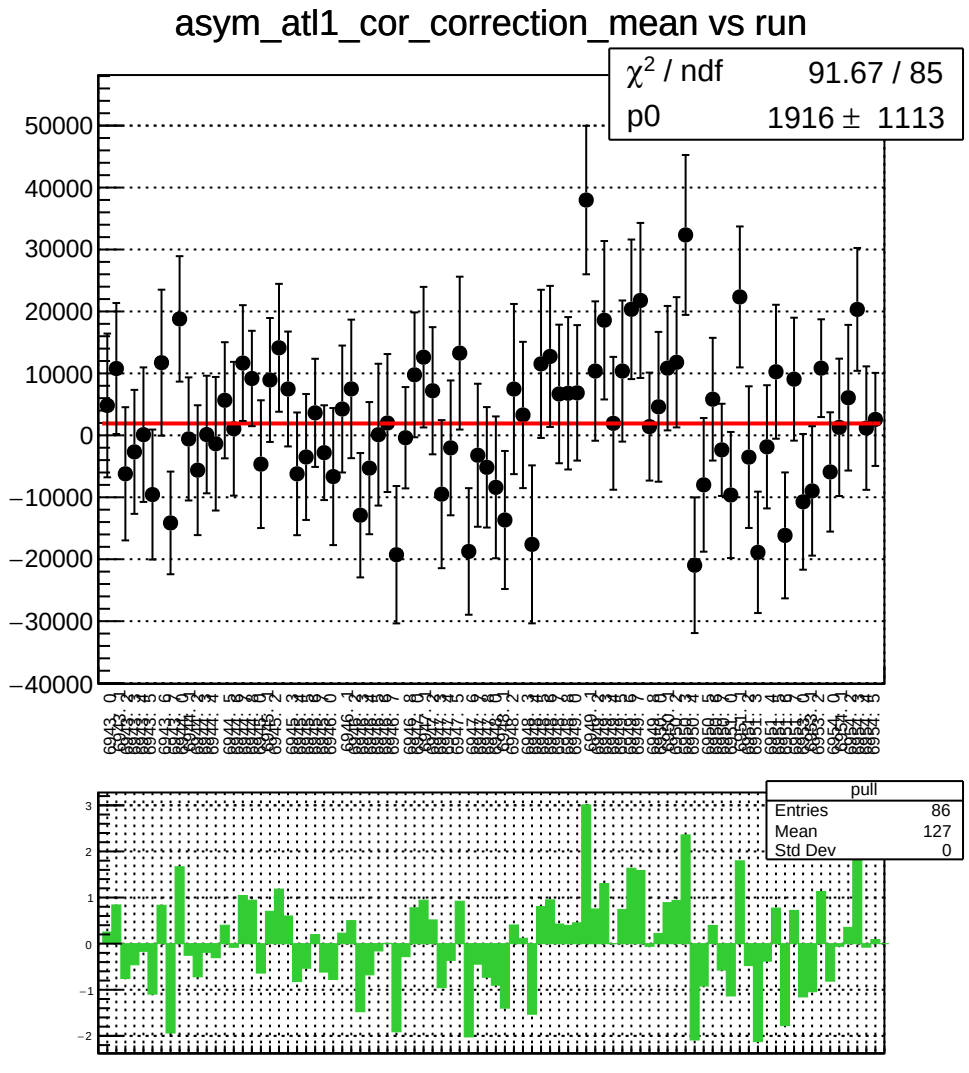

pull1D
Entries 86
Mean 0.02105
Std Dev 1.032

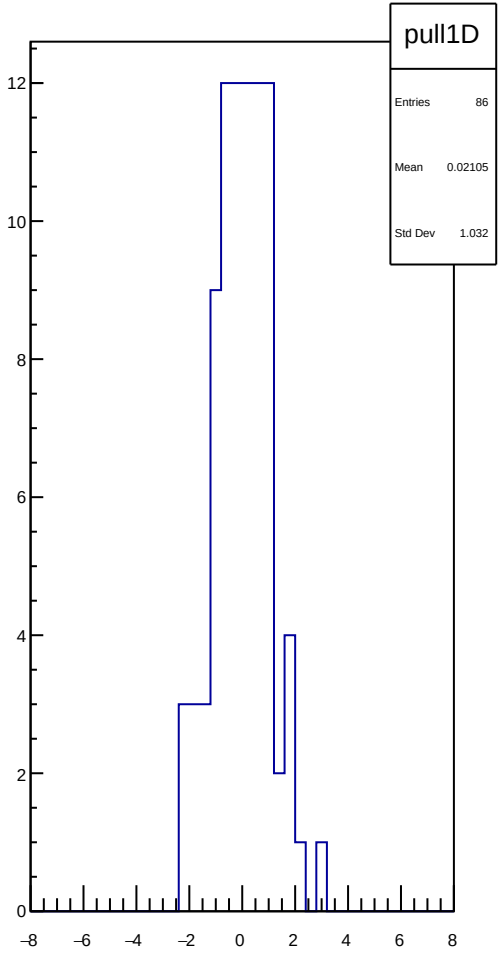

asym_atl1_reg_correction_rms vs run
χ² / ndf 1.103e+04 / 85
p0 1010 ± 0.7871
1300
1200
1100
1000
900
800

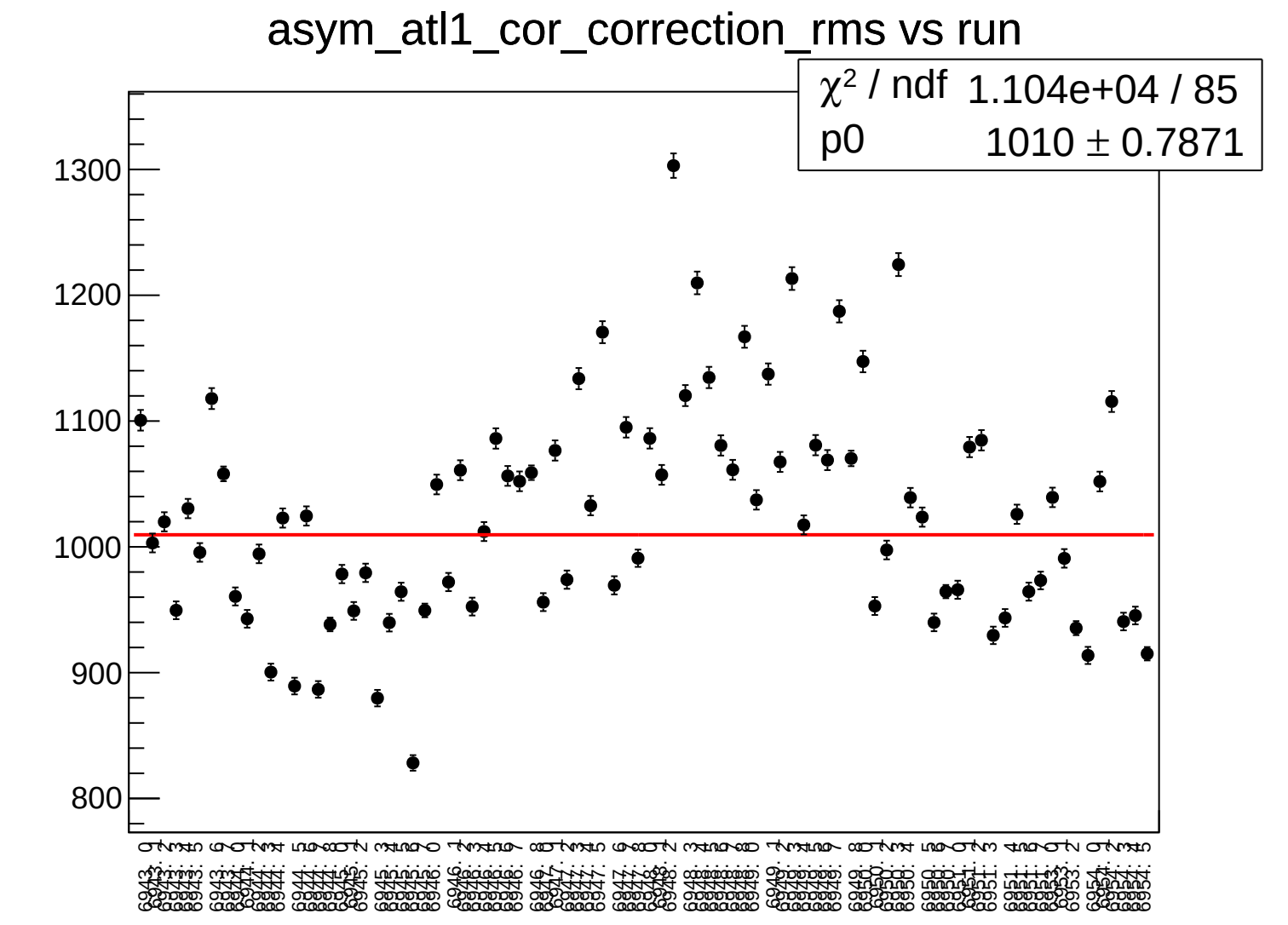

cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 92.24 / 85
p0 2220 ± 2617
100
50
0
−50
−100
pull
Entries 86
Mean 126.3
Std Dev 0
2
1
0
−1
−2
−3

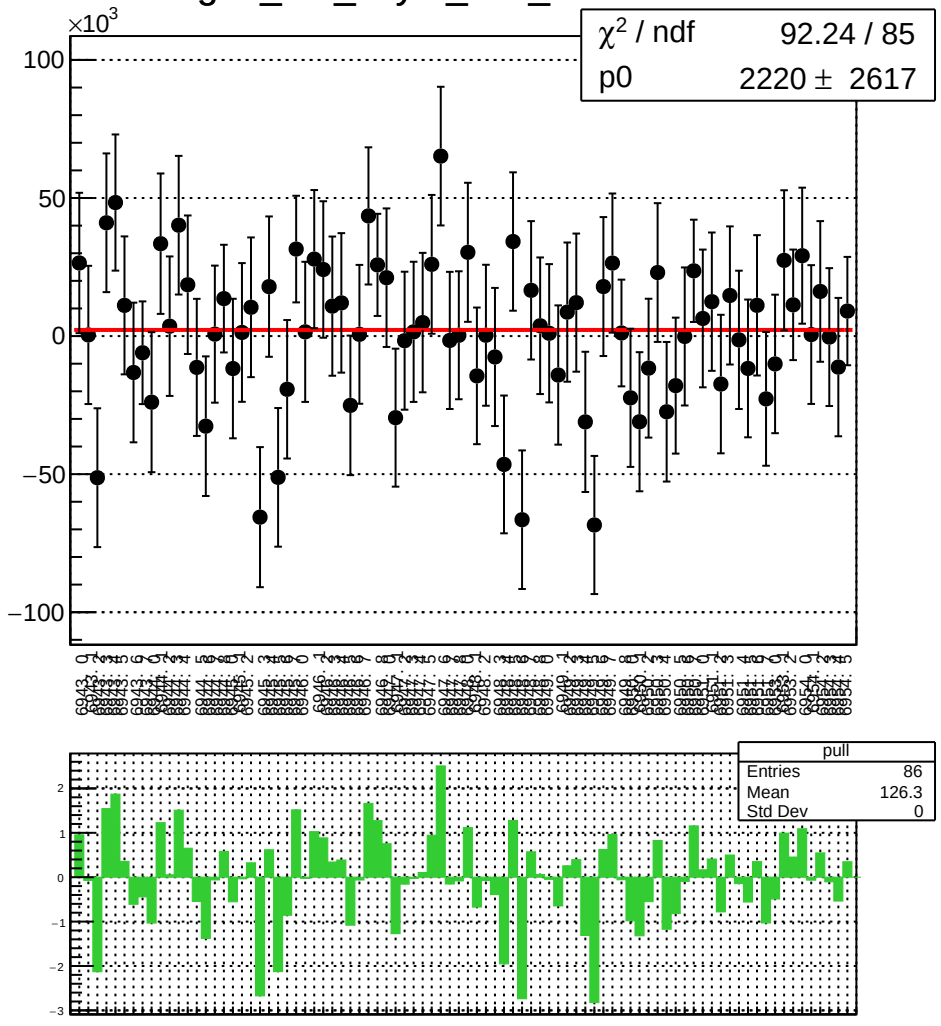

pull1D
Entries 86
Mean −0.0178
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

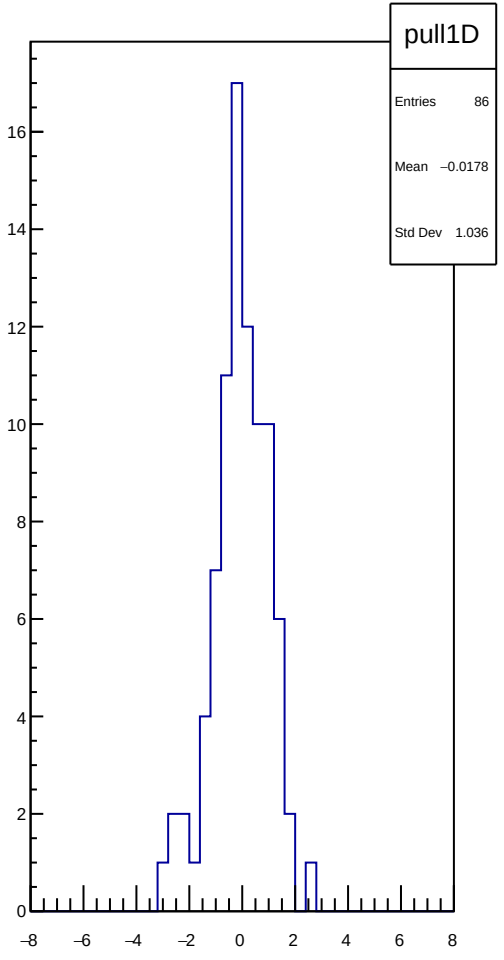

cor_asym_atl1_rms vs run
χ² / ndf 94.8 / 85
p0 2382 ± 1.851
2440
2420
2400
2380
2360
2340
2320

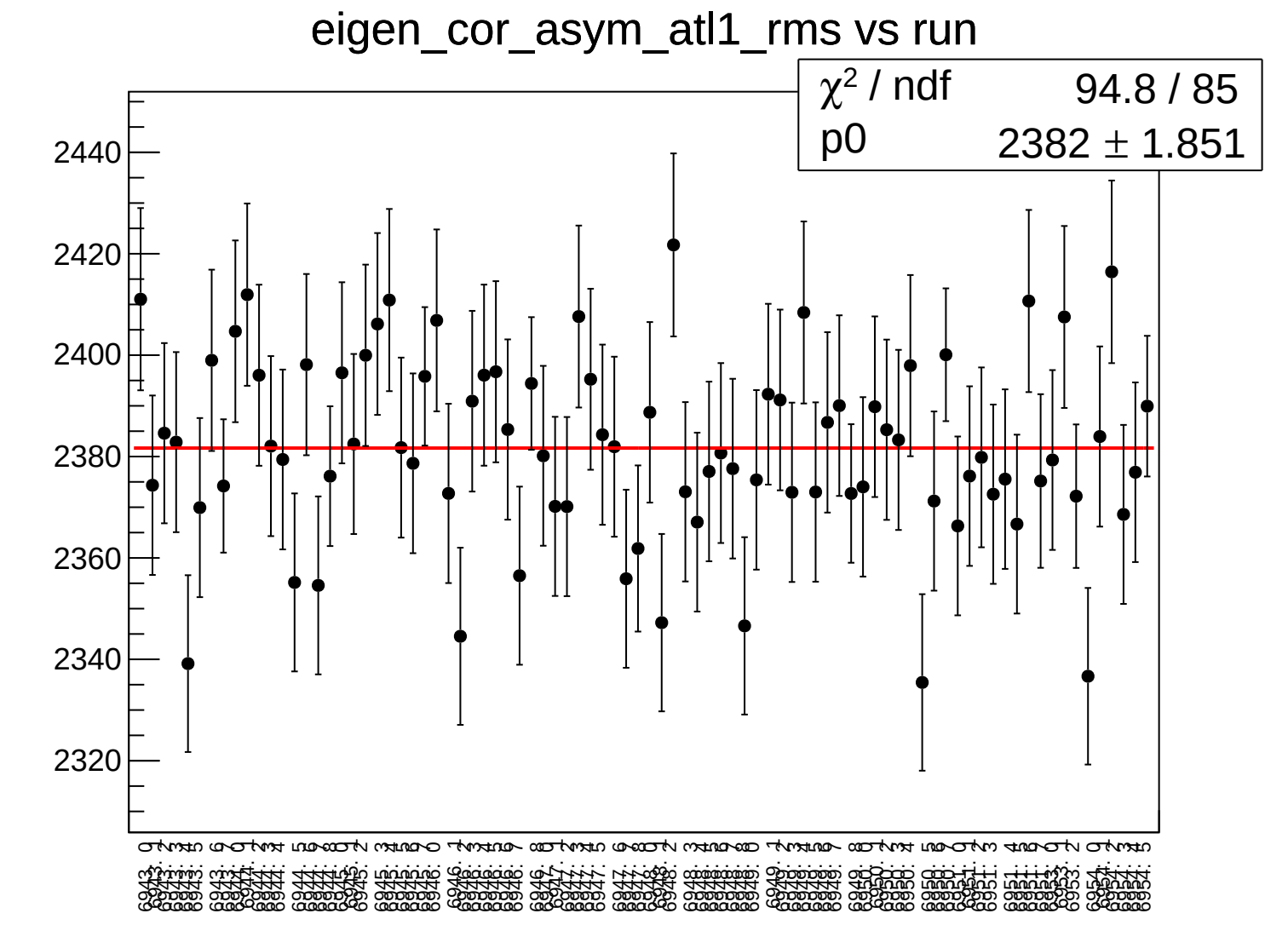

asym_atl1_cor_correction_mean vs run
χ² / ndf 91.67 / 85
p0 1916 ± 1113
pull
Entries 86
Mean 127
Std Dev 0

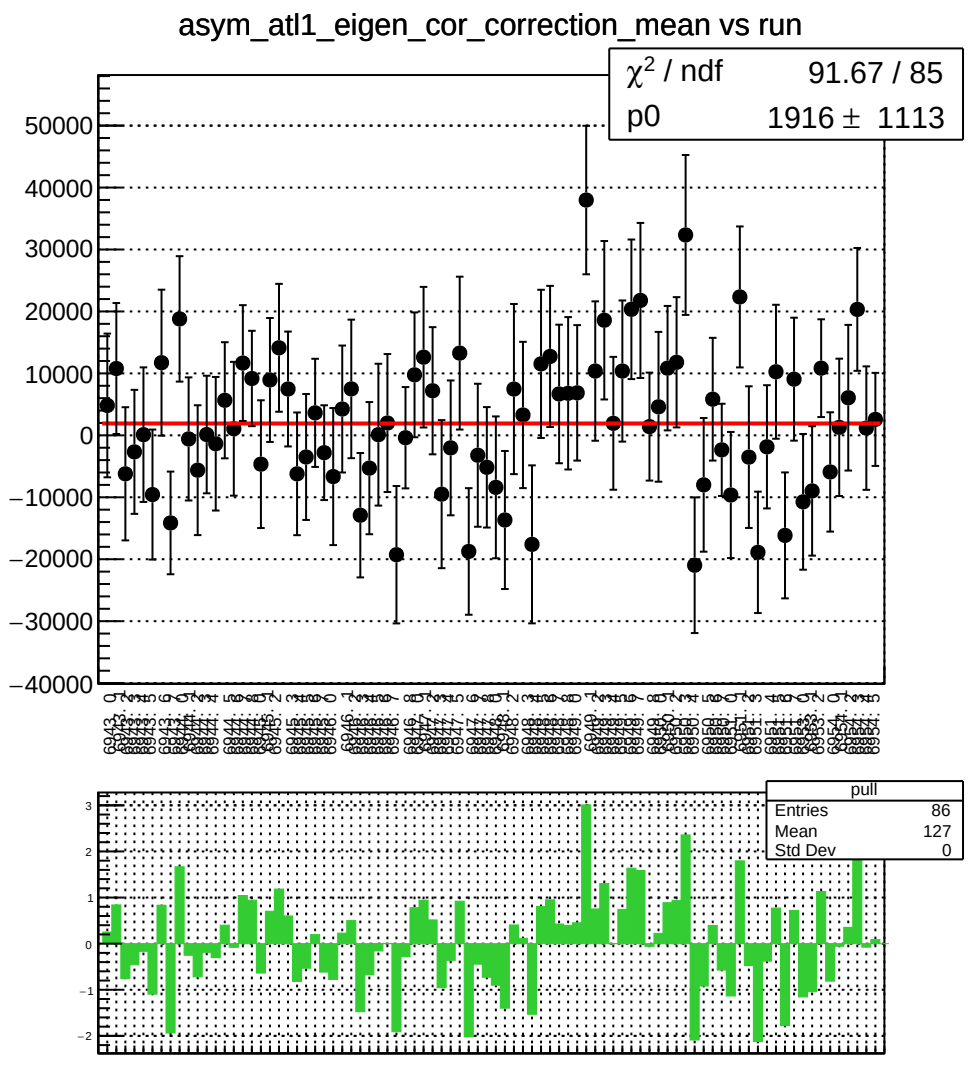

pull1D
Entries 86
Mean 0.02105
Std Dev 1.032

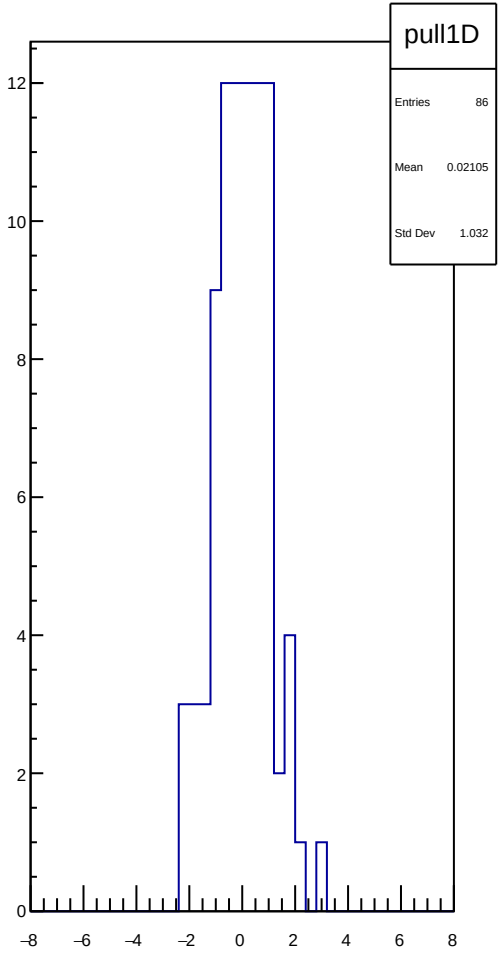

asym_atl1_cor_correction_rms vs run
χ² / ndf 1.104e+04 / 85
p0 1010 ± 0.7871
1300
1200
1100
1000
900
800

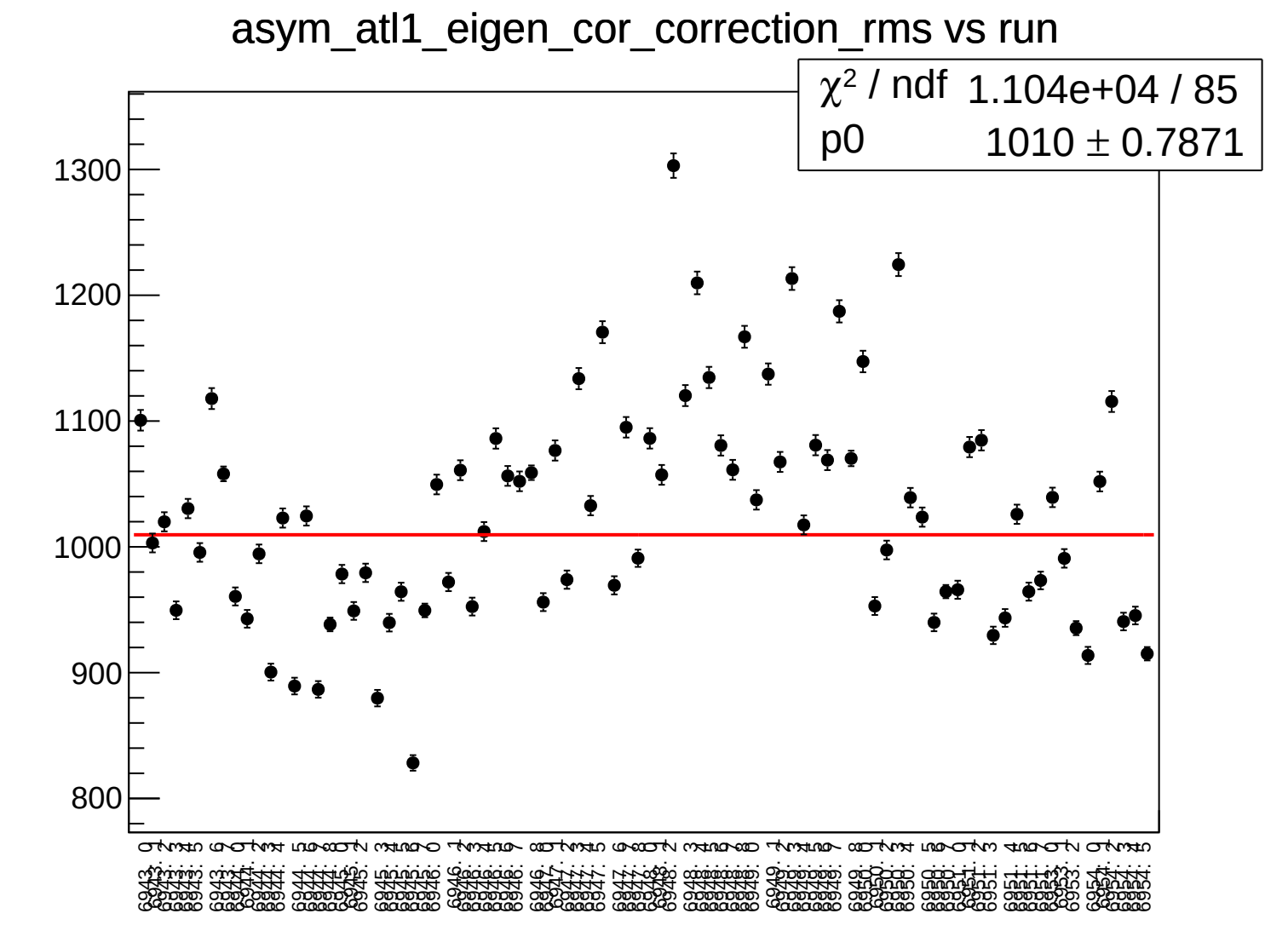

eigen_cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 92.24 / 85
p0 2220 ± 2617
100
50
0
−50
−100
pull
Entries 86
Mean 126.3
Std Dev 0
2
1
0
−1
−2
−3

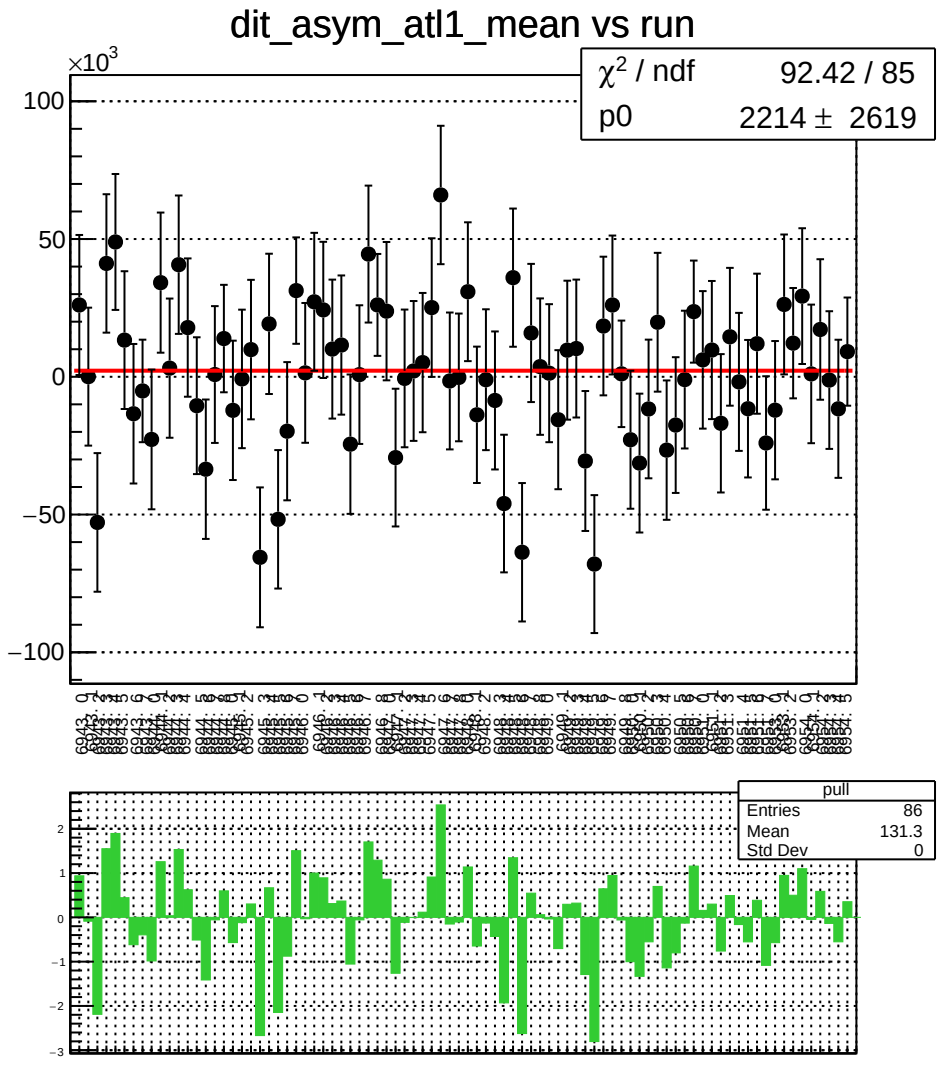

pull1D
Entries 86
Mean −0.0178
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

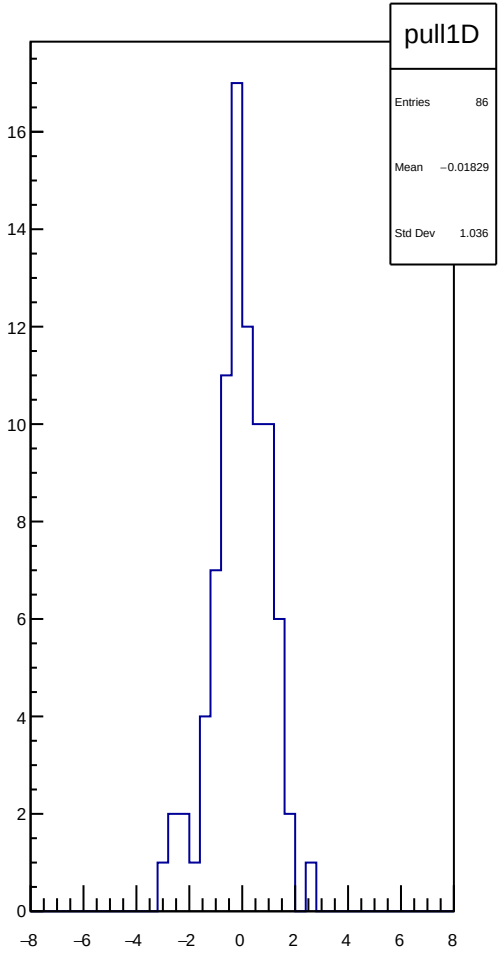

eigen_cor_asym_atl1_rms vs run
χ² / ndf 94.8 / 85
p0 2382 ± 1.851
2440
2420
2400
2380
2360
2340
2320

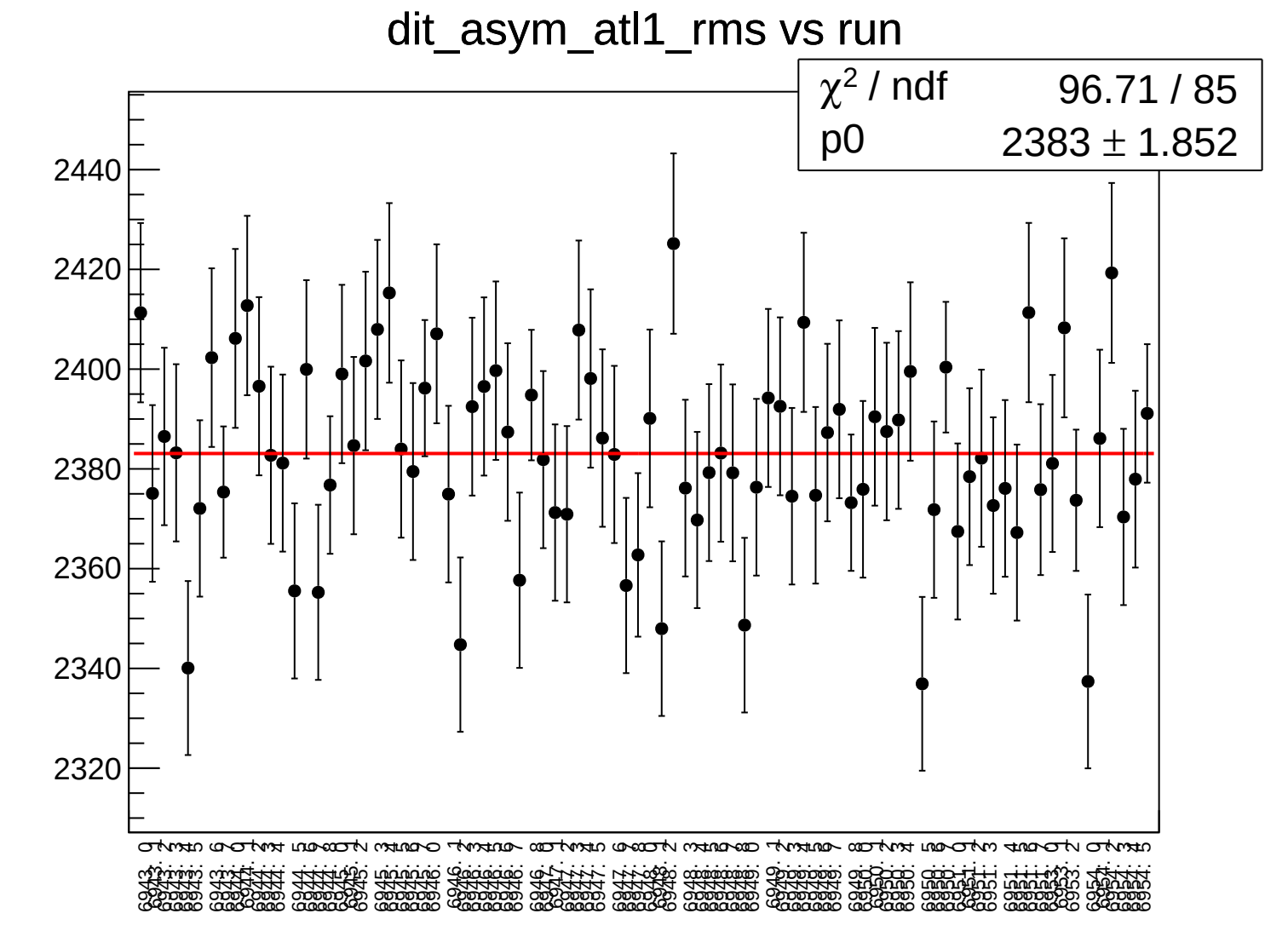

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 91.67 / 85
p0 1916 ± 1113
pull
Entries 86
Mean 127
Std Dev 0

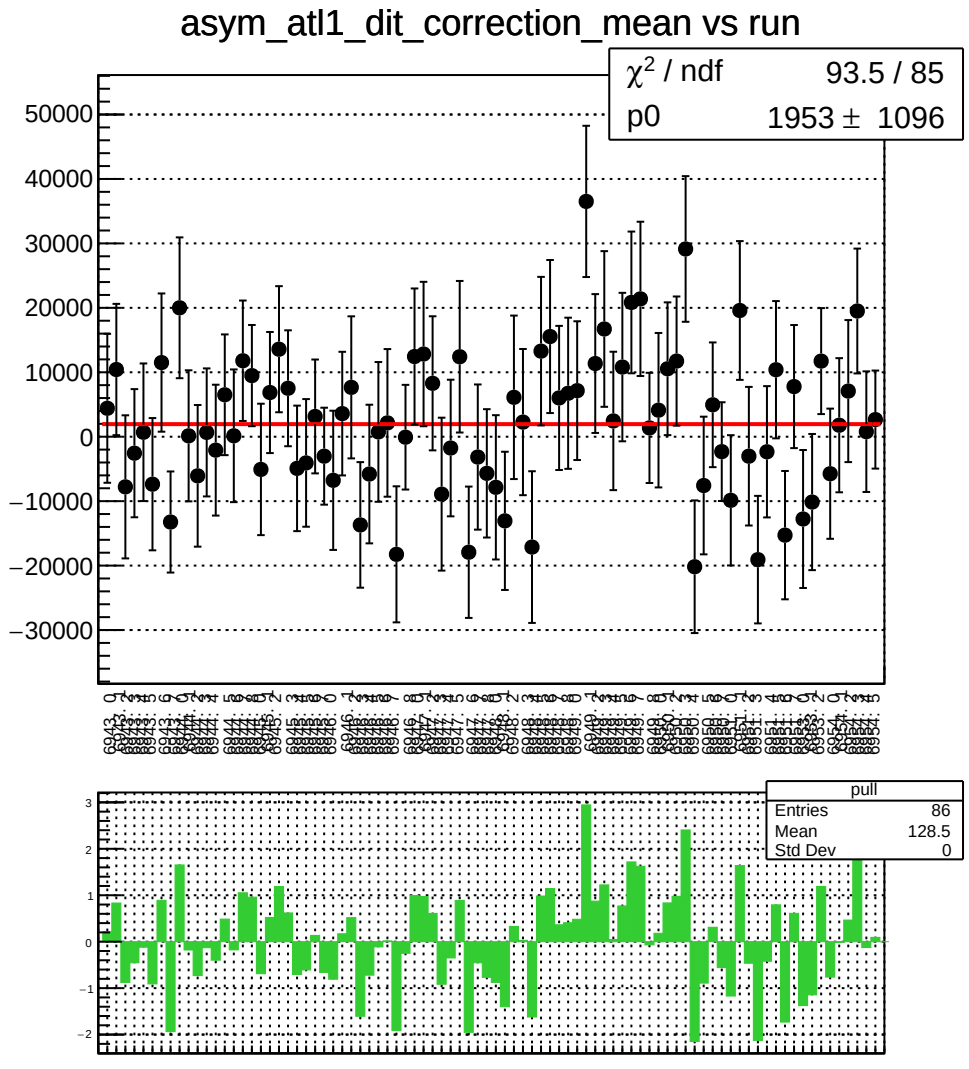

pull1D
Entries 86
Mean 0.02105
Std Dev 1.032

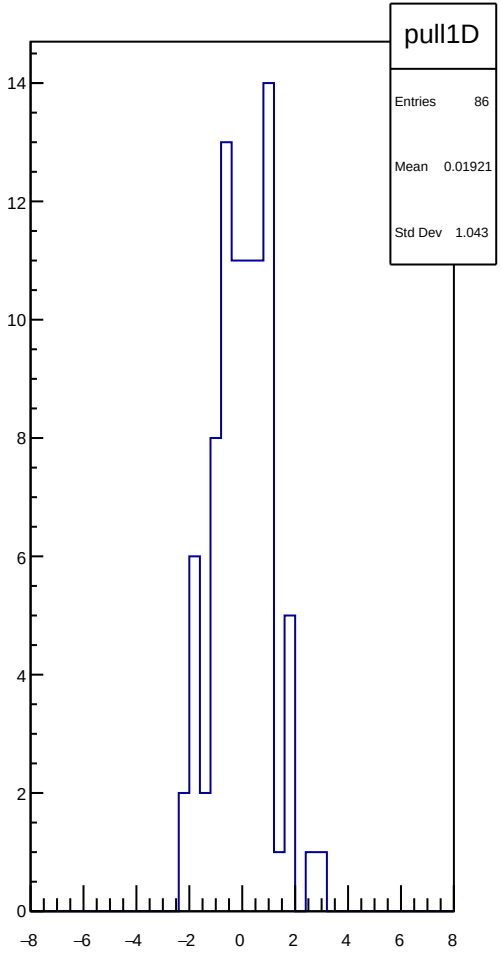

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.104e+04 / 85
p0 1010 ± 0.7871
1300
1200
1100
1000
900
800

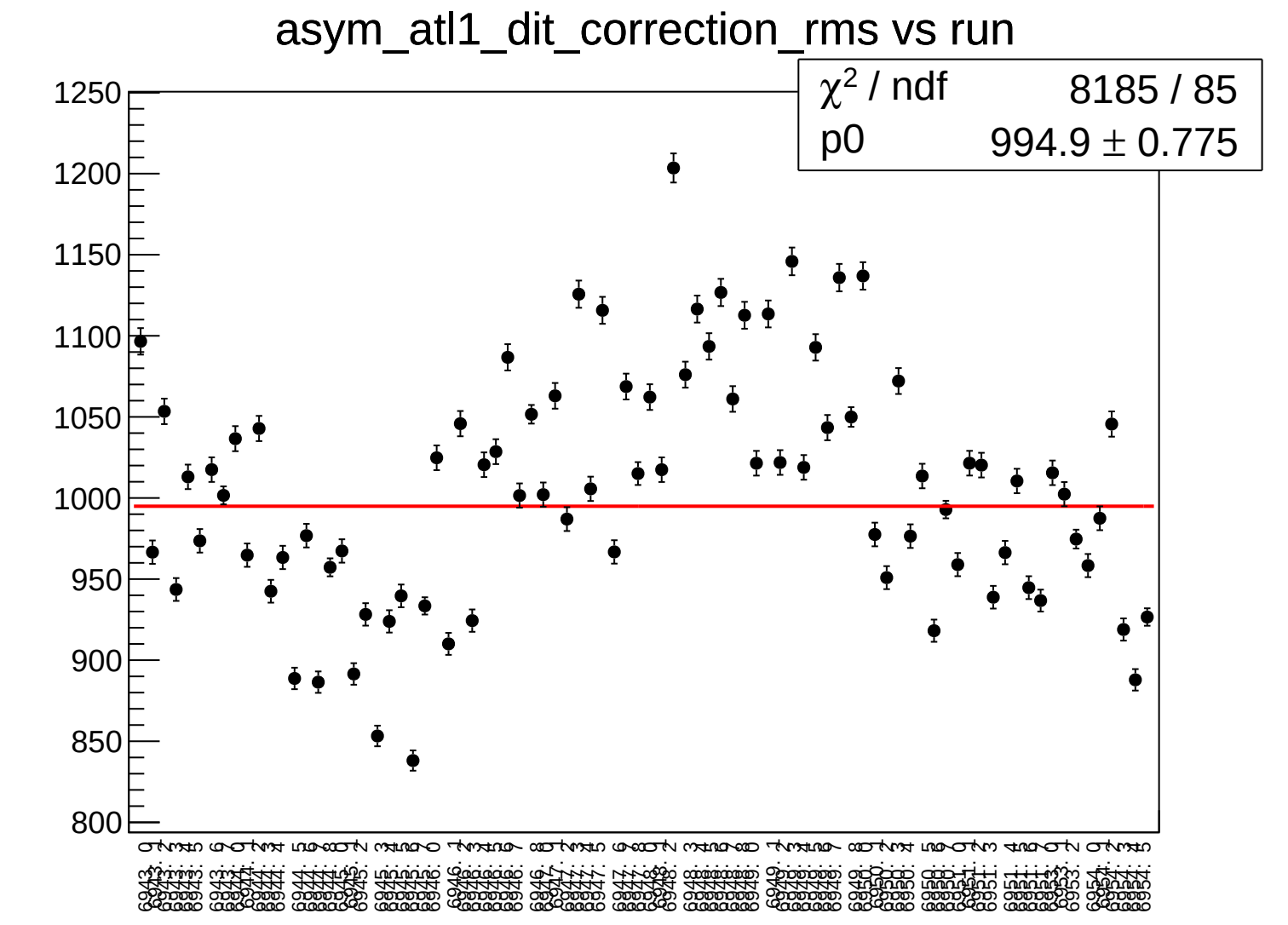

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 92.42 / 85
p0 2214 ± 2619
100
50
0
−50
−100
pull
Entries 86
Mean 131.3
Std Dev 0
2
1
0
−1
−2
−3

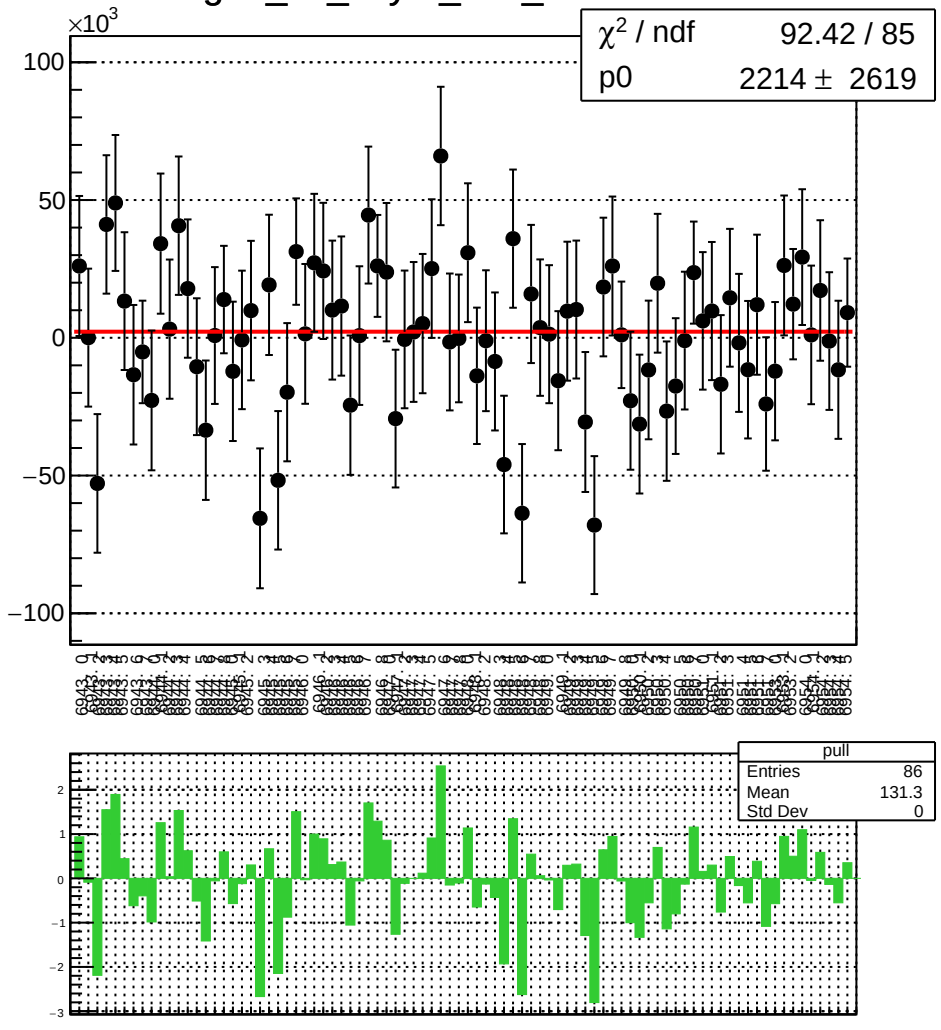

pull1D
Entries 86
Mean −0.01829
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

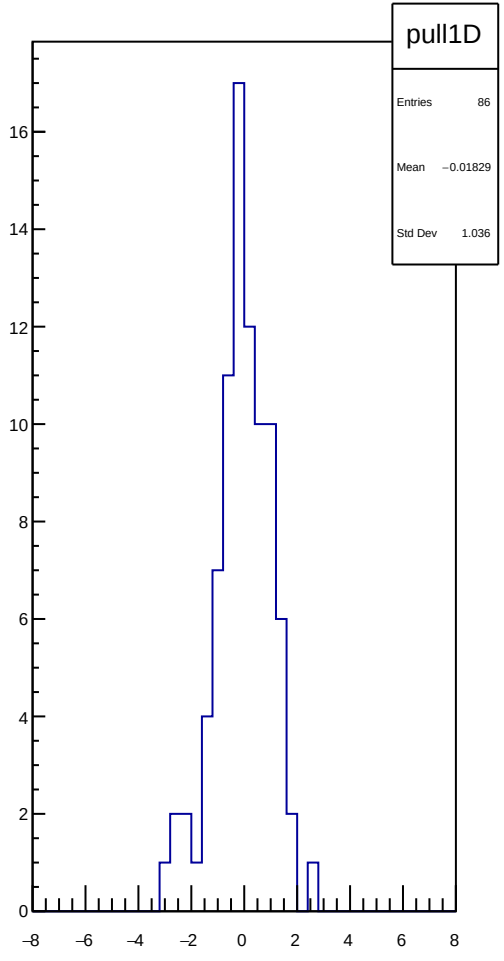

dit_asym_atl1_rms vs run
χ^2 / ndf 96.71 / 85
p0 2383 ± 1.852
2440
2420
2400
2380
2360
2340
2320

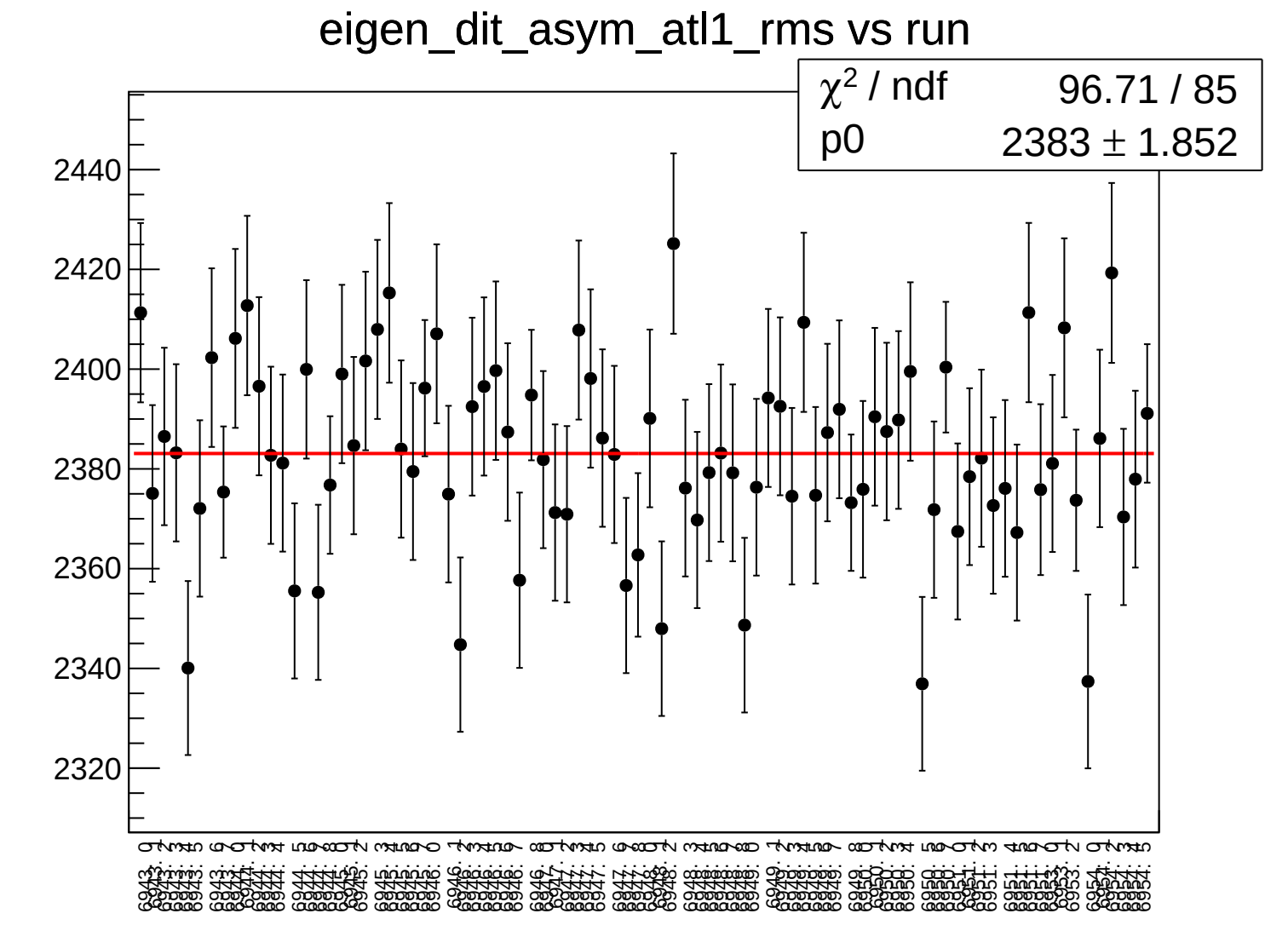

asym_atl1_dit_correction_mean vs run
χ² / ndf 93.5 / 85
p0 1953 ± 1096
pull
Entries 86
Mean 128.5
Std Dev 0

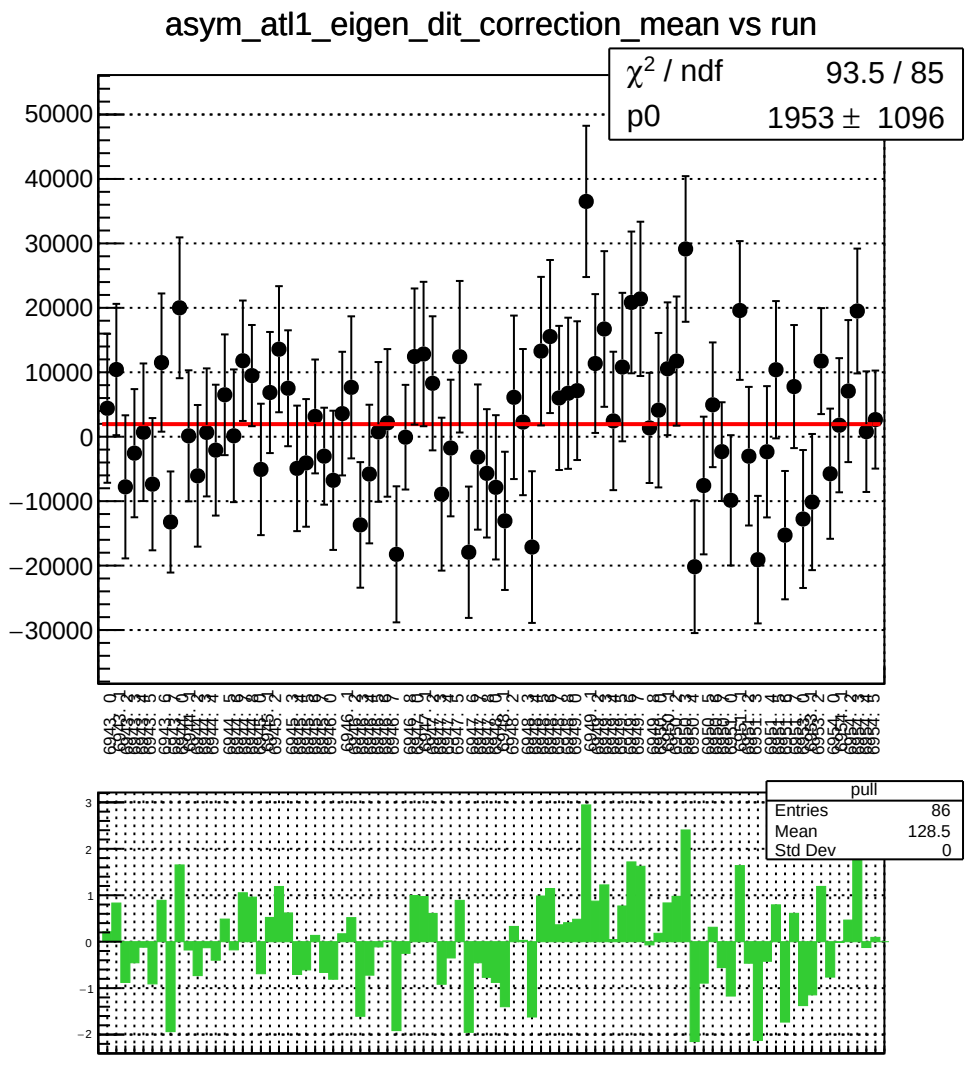

pull1D
Entries 86
Mean 0.01921
Std Dev 1.043

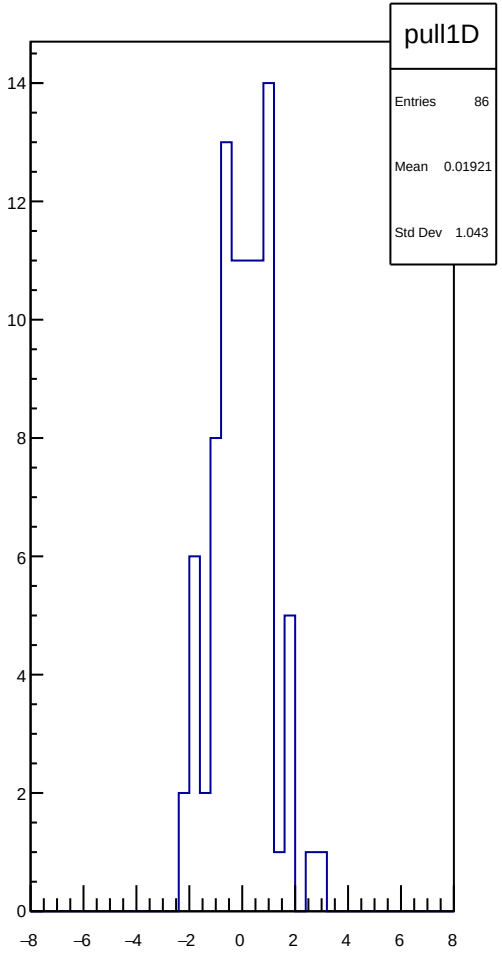

asym_atl1_dit_correction_rms vs run
χ² / ndf 8185 / 85
p0 994.9 ± 0.775
1250
1200
1150
1100
1050
1000
950
900
850
800

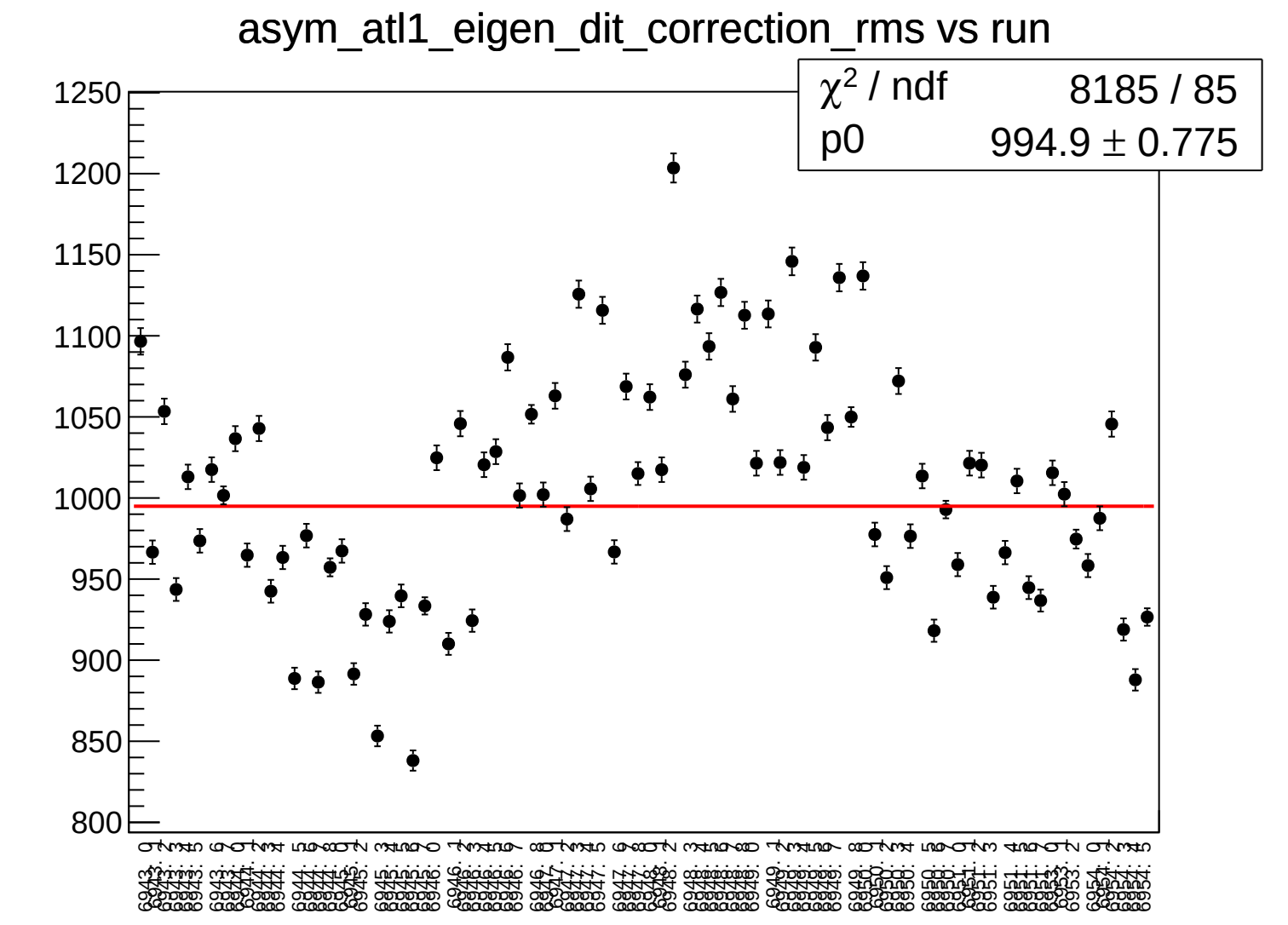

eigen_dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 92.42 / 85
p0 2214 ± 2619
100
50
0
−50
−100
pull
Entries 86
Mean 131.3
Std Dev 0
2
1
0
−1
−2
−3

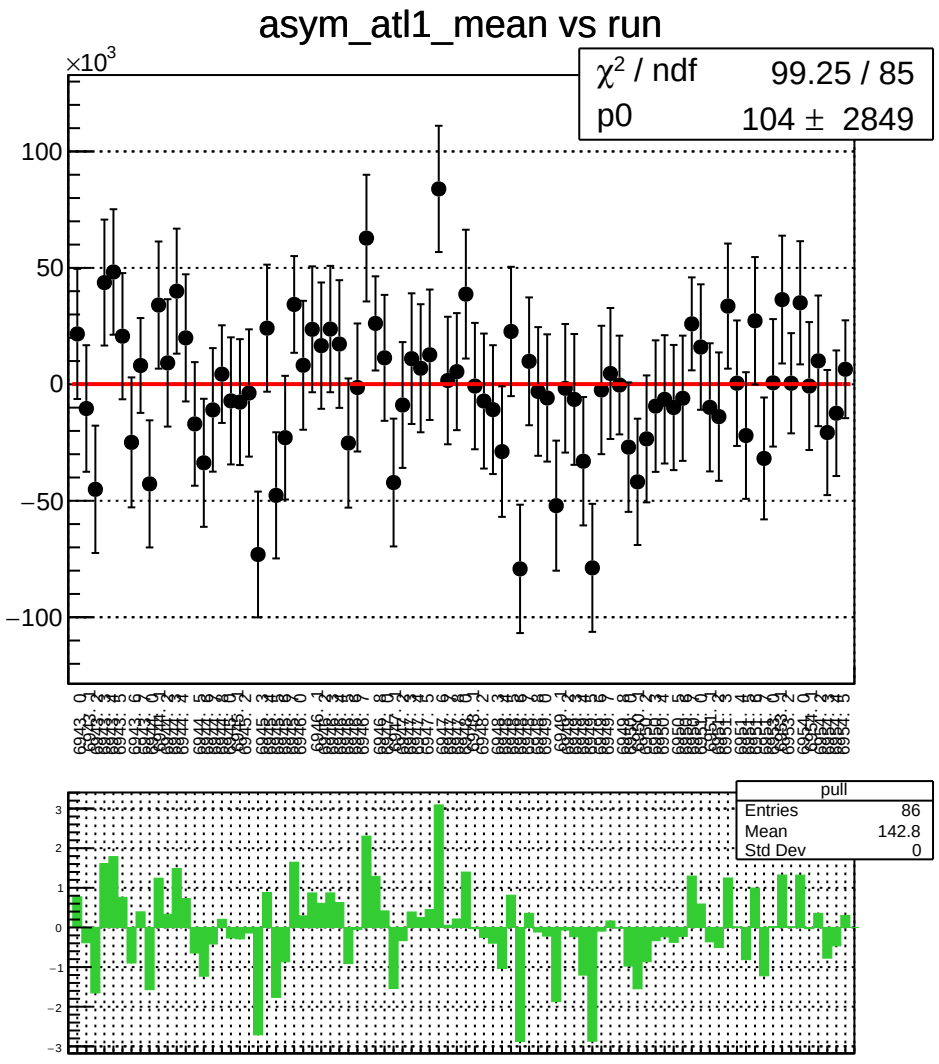

pull1D
Entries 86
Mean −0.01829
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

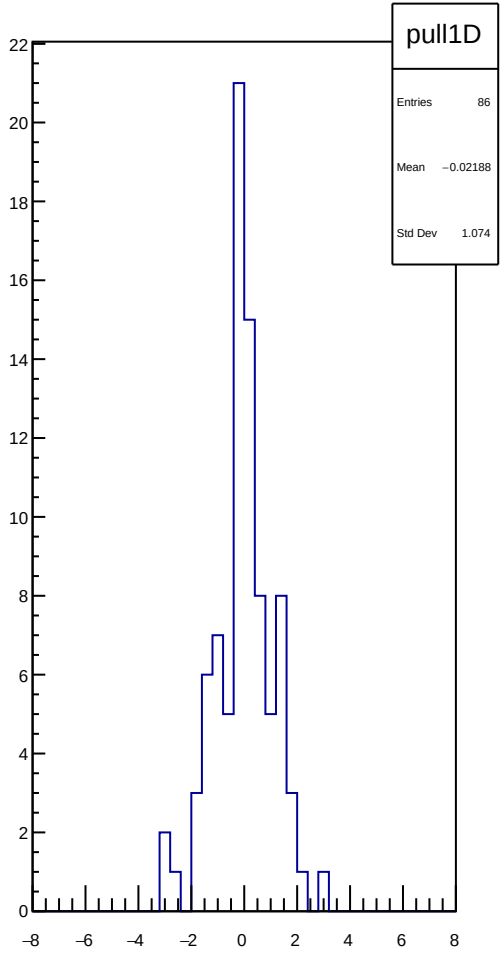

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 96.71 / 85
p0 2383 ± 1.852
2440
2420
2400
2380
2360
2340
2320

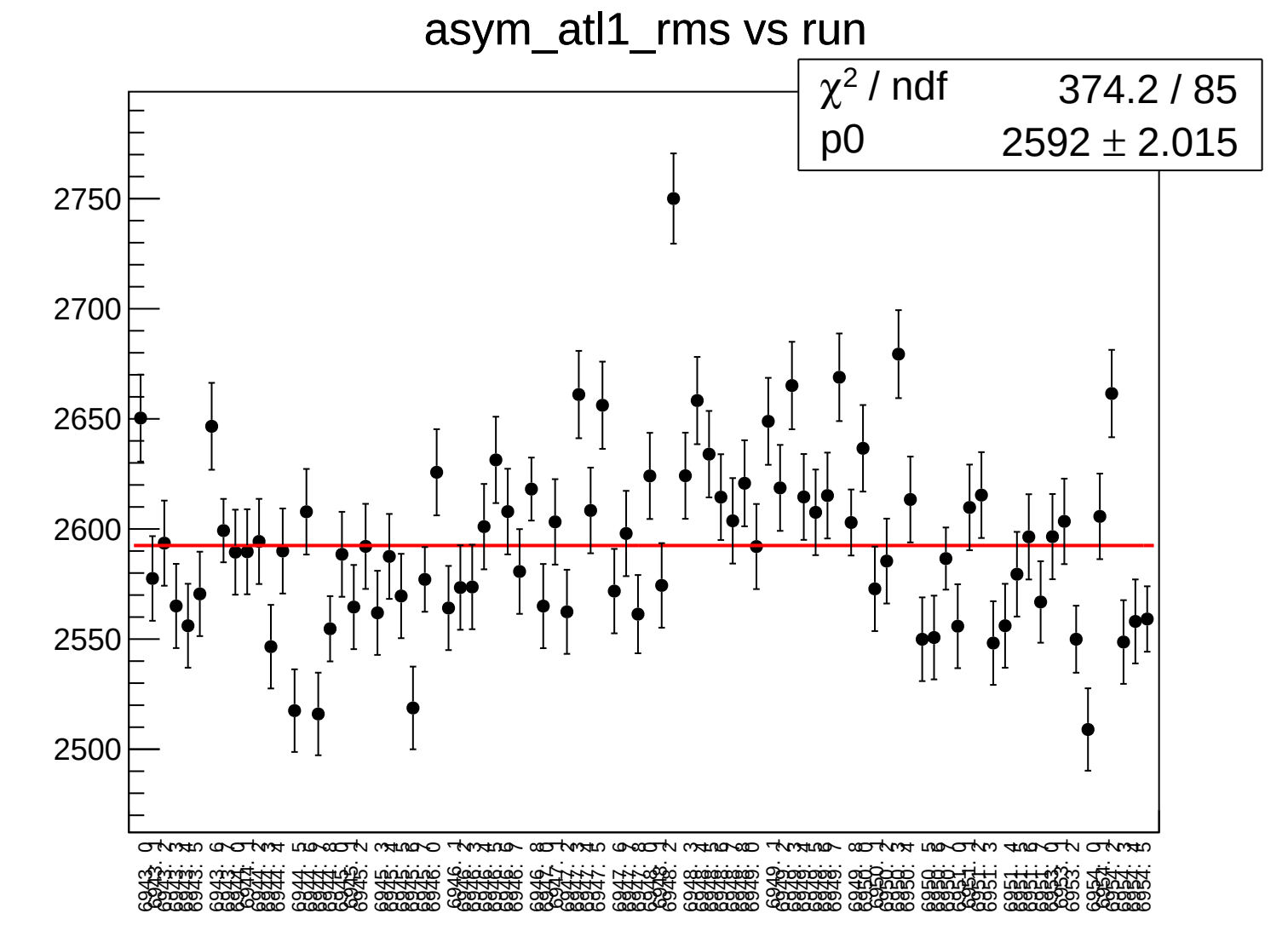

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 93.5 / 85
p0 1953 ± 1096
pull
Entries 86
Mean 128.5
Std Dev 0

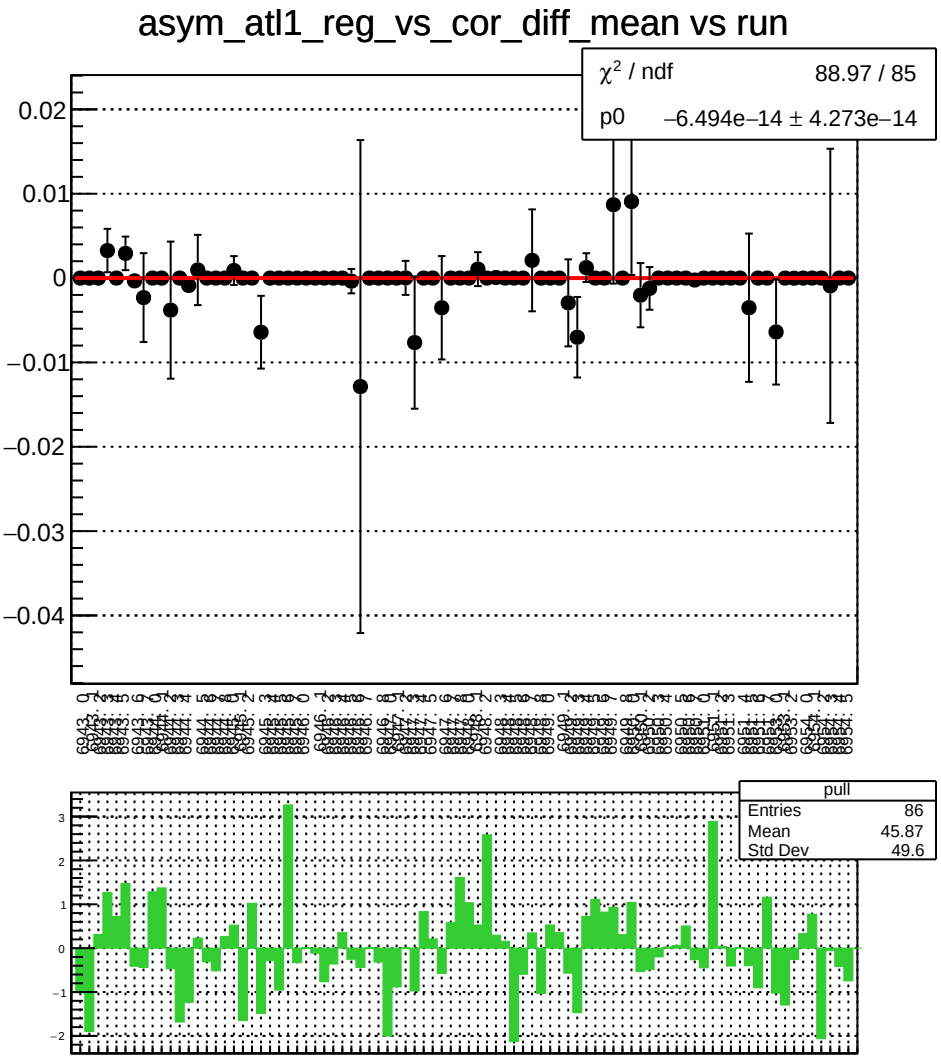

pull1D
Entries 86
Mean 0.01921
Std Dev 1.043

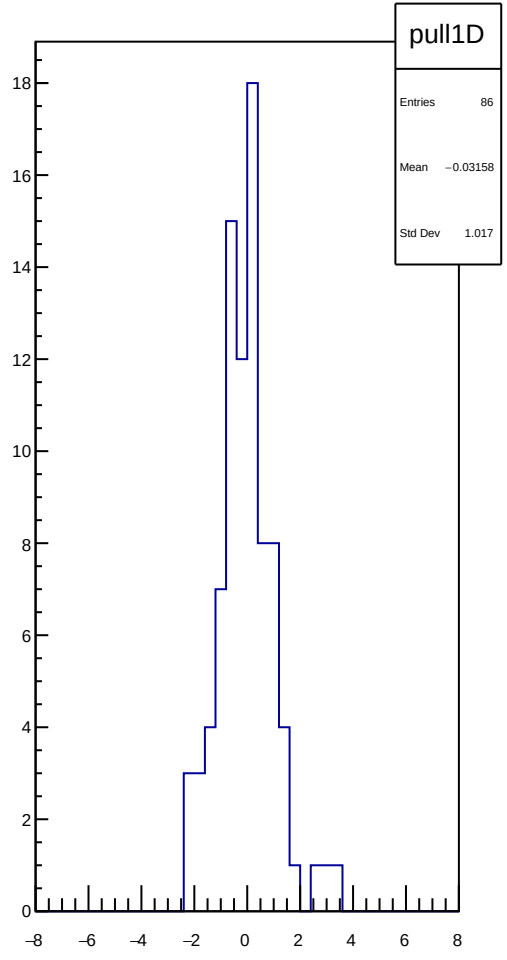

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 8185 / 85
p0 994.9 ± 0.775
1250
1200
1150
1100
1050
1000
950
900
850
800

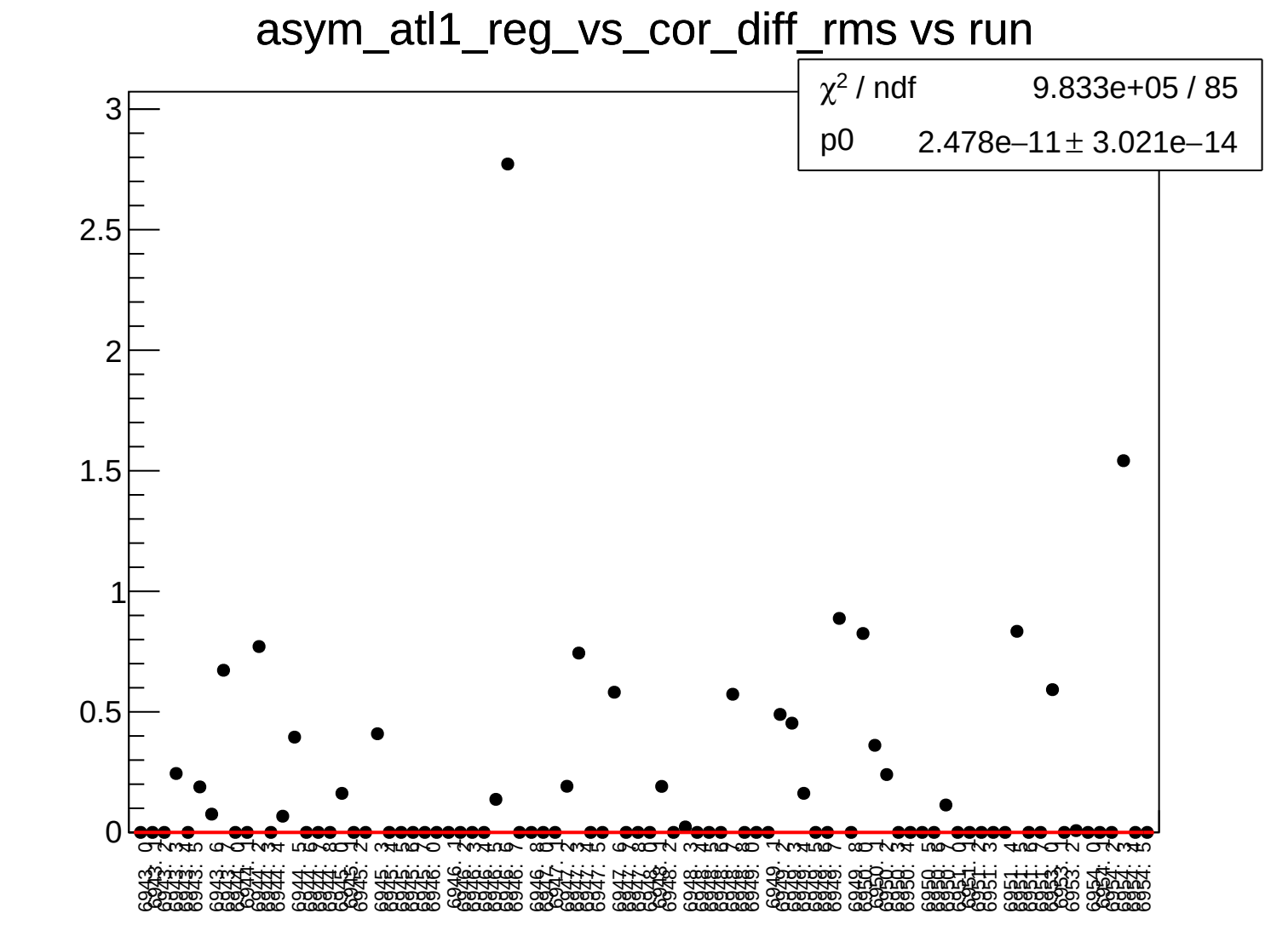

asym_atl1_mean vs run
χ^2 / ndf 99.25 / 85
p0 104 ± 2849
×10^3
100
50
0
−50
−100
pull
Entries 86
Mean 142.8
Std Dev 0
3
2
1
0
−1
−2
−3

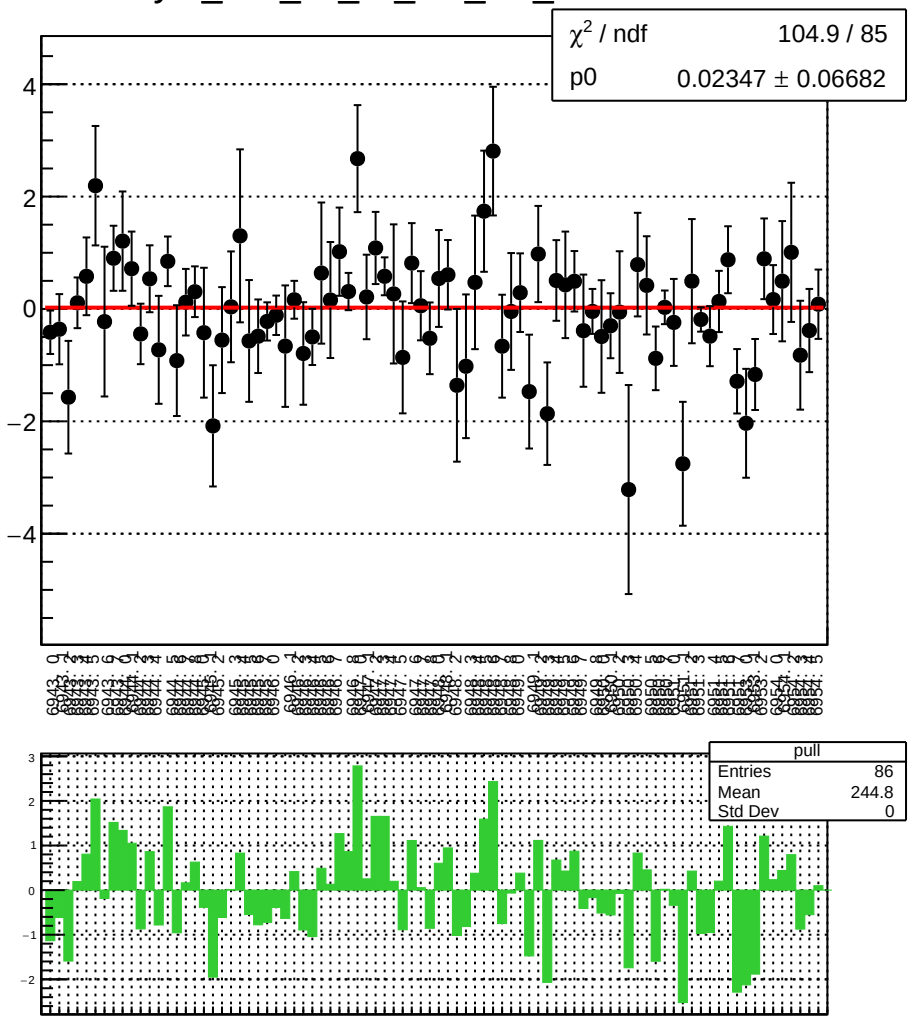

pull1D
Entries 86
Mean −0.02188
Std Dev 1.074
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

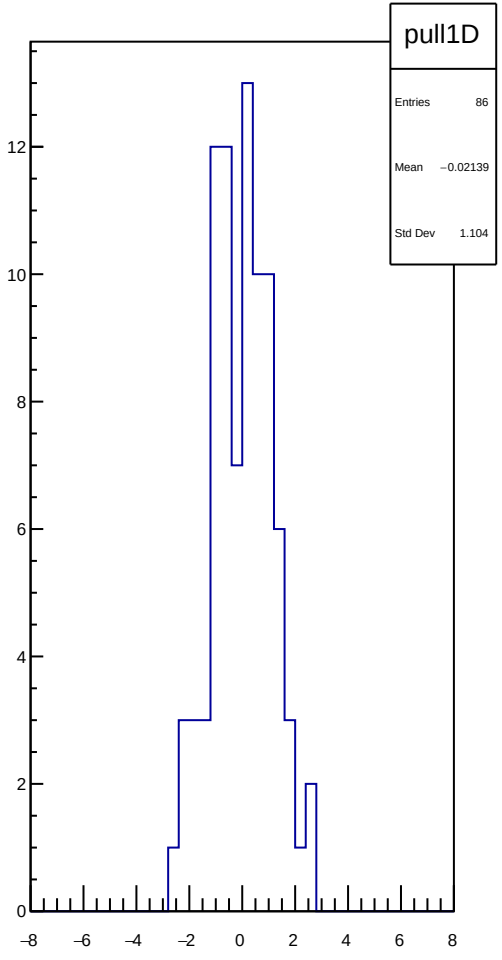

asym_atl1_rms vs run
χ^2 / ndf 374.2 / 85
p0 2592 ± 2.015
2750
2700
2650
2600
2550
2500

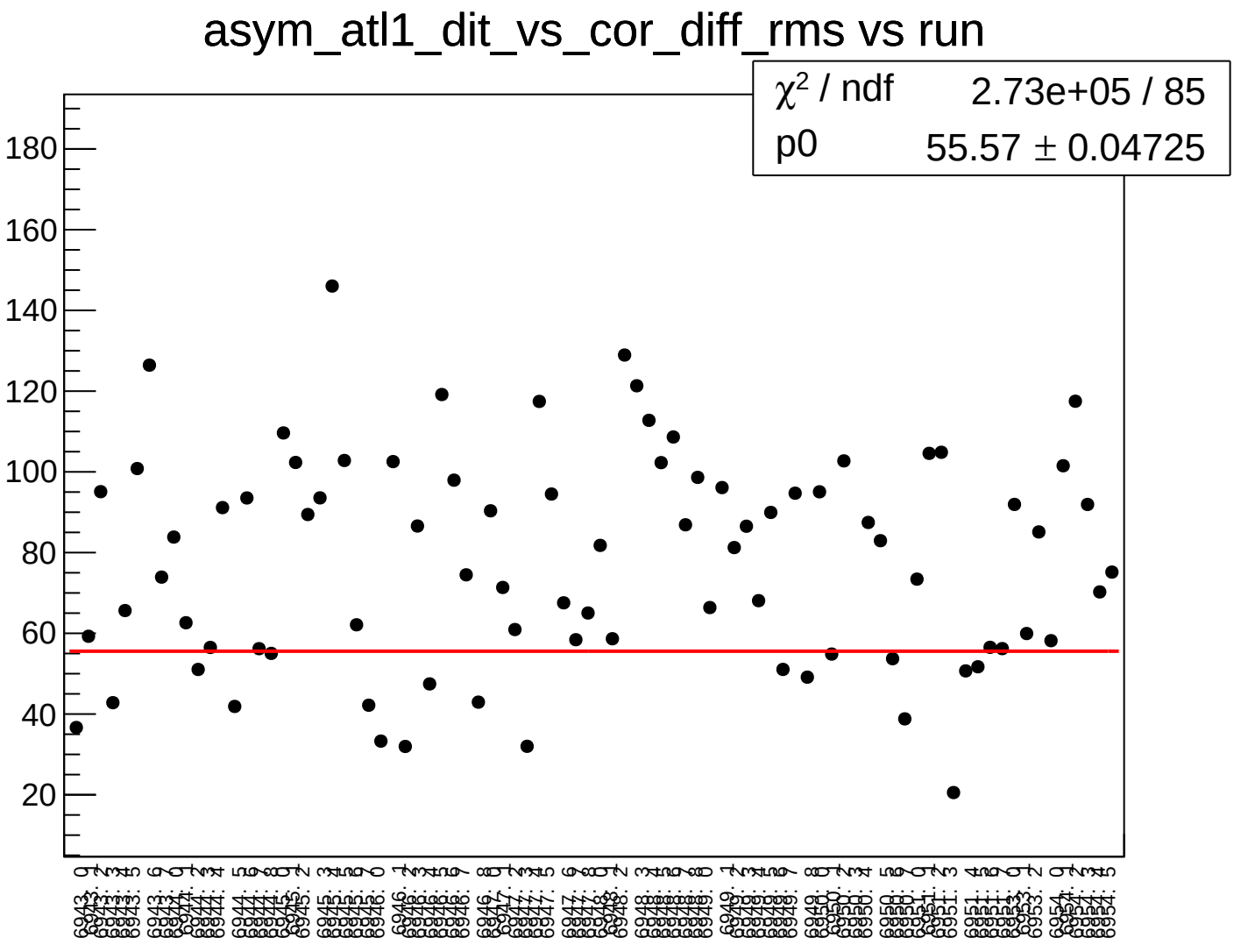

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 88.97 / 85
p0 −6.494e−14 ± 4.273e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 86
Mean 45.87
Std Dev 49.6
3
2
1
0
−1
−2

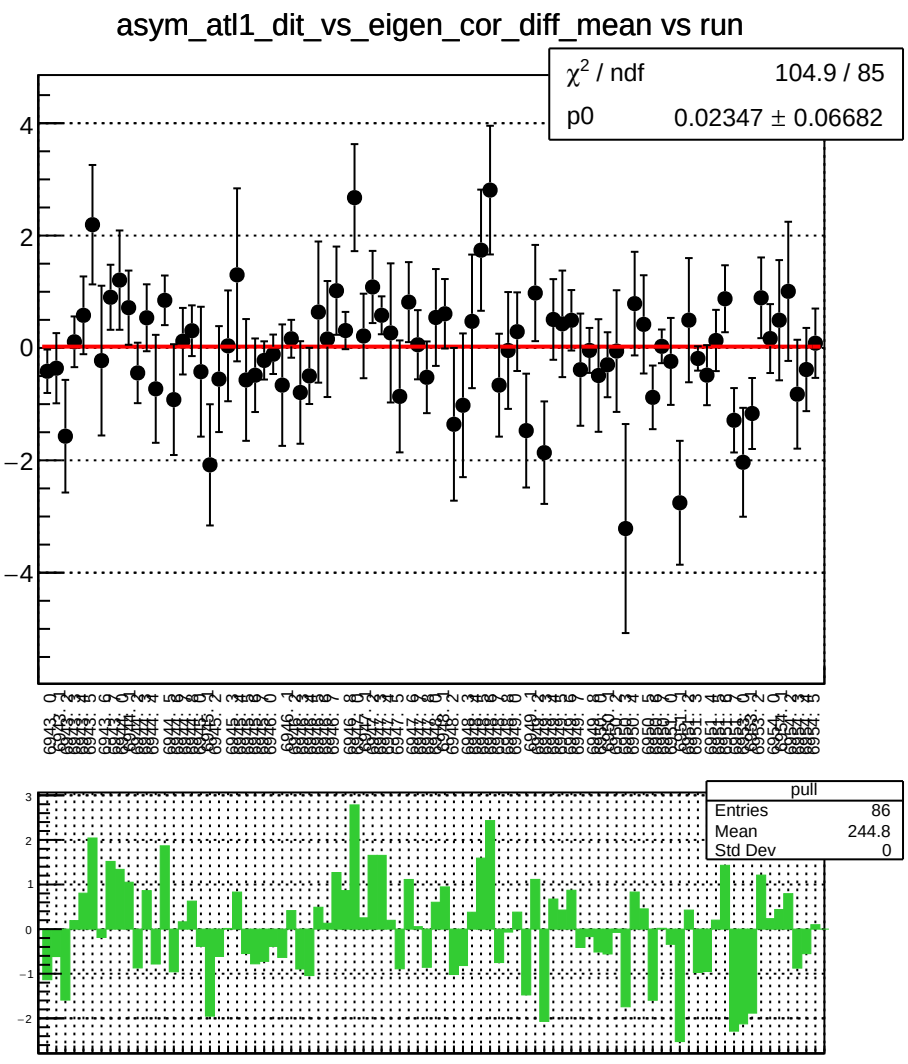

pull1D
Entries 86
Mean −0.03158
Std Dev 1.017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

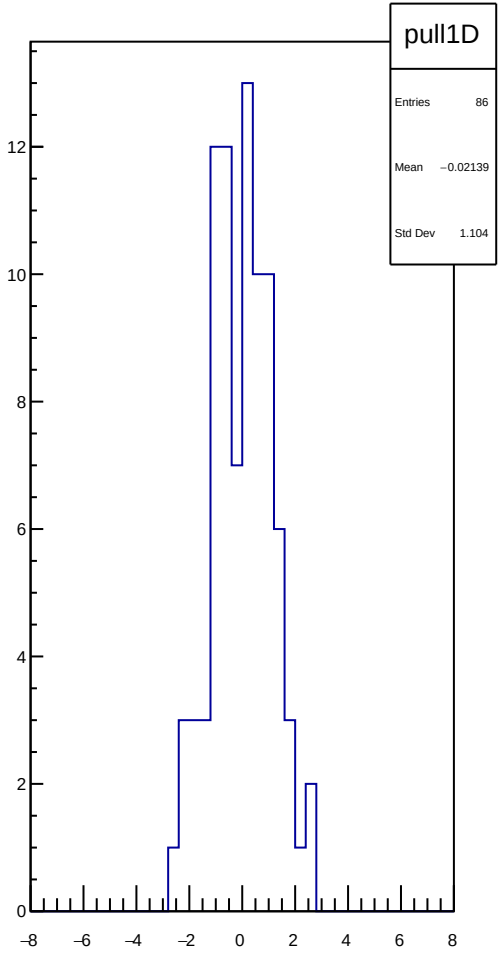

asym_atl1_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.833e+05 / 85
p0 2.478e−11 ± 3.021e−14
3
2.5
2
1.5
1
0.5
0

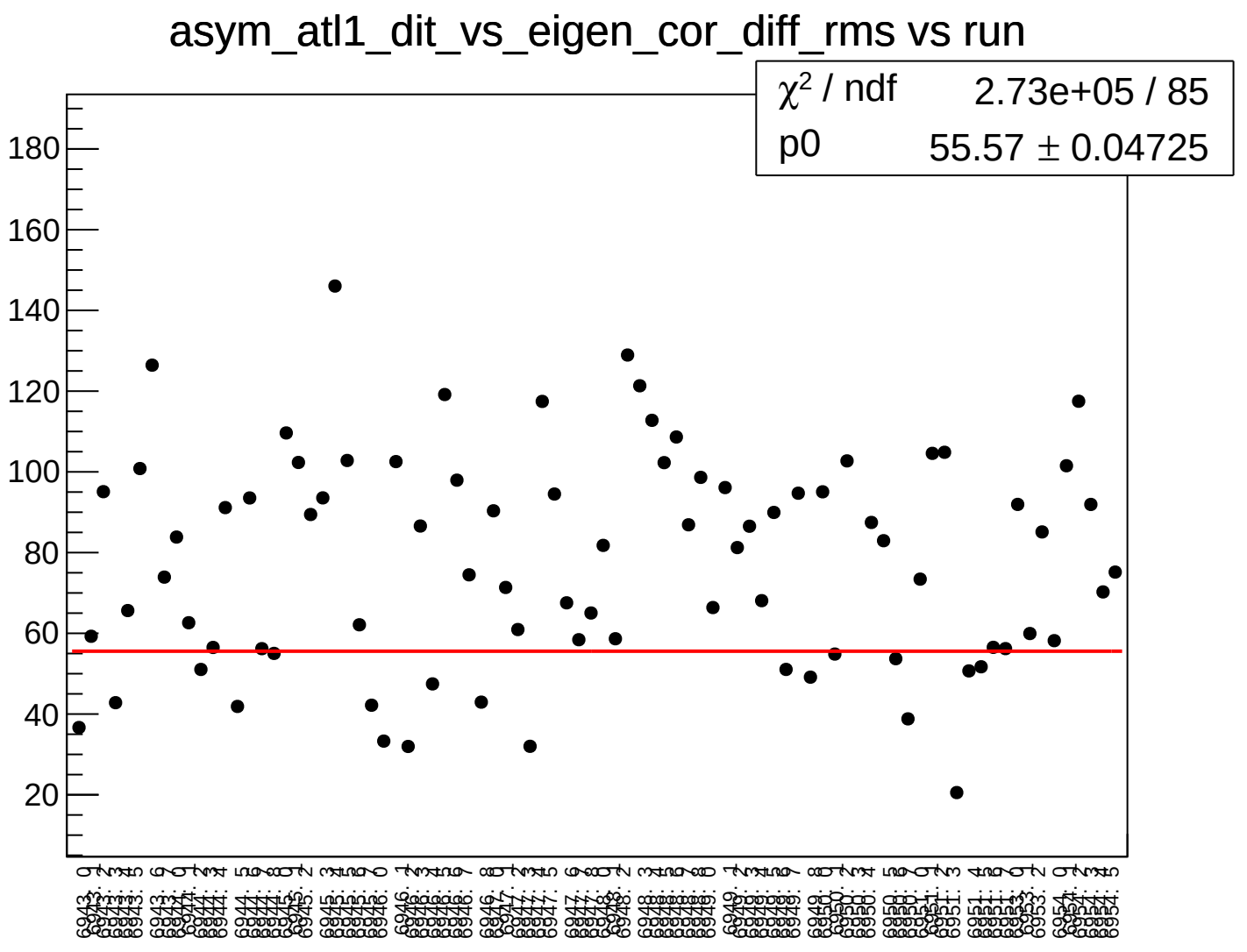

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.02347 ± 0.06682
pull
Entries 86
Mean 244.8
Std Dev 0

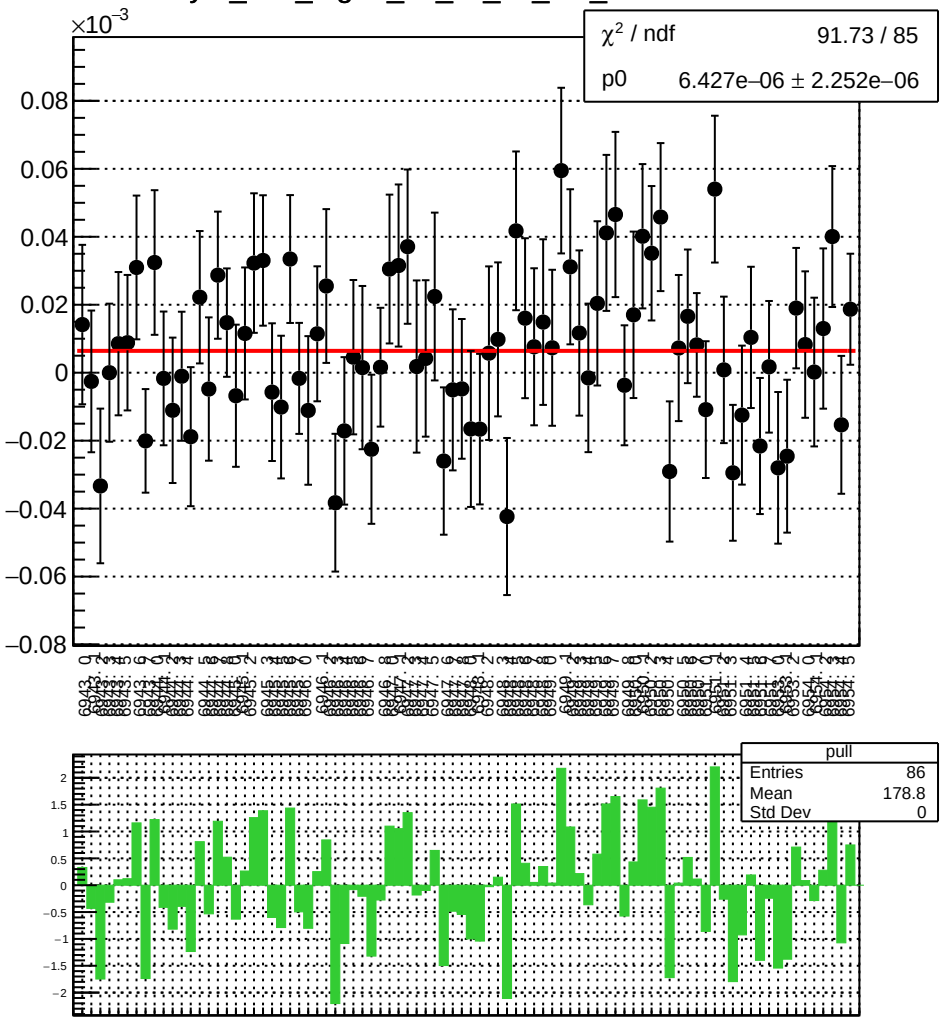

pull1D
Entries 86
Mean −0.02139
Std Dev 1.104

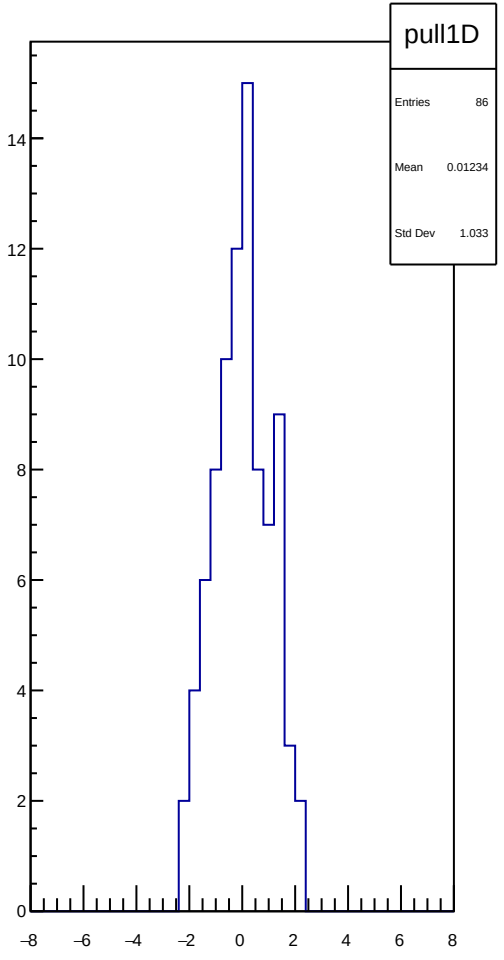

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.73e+05 / 85
p0 55.57 ± 0.04725
180
160
140
120
100
80
60
40
20

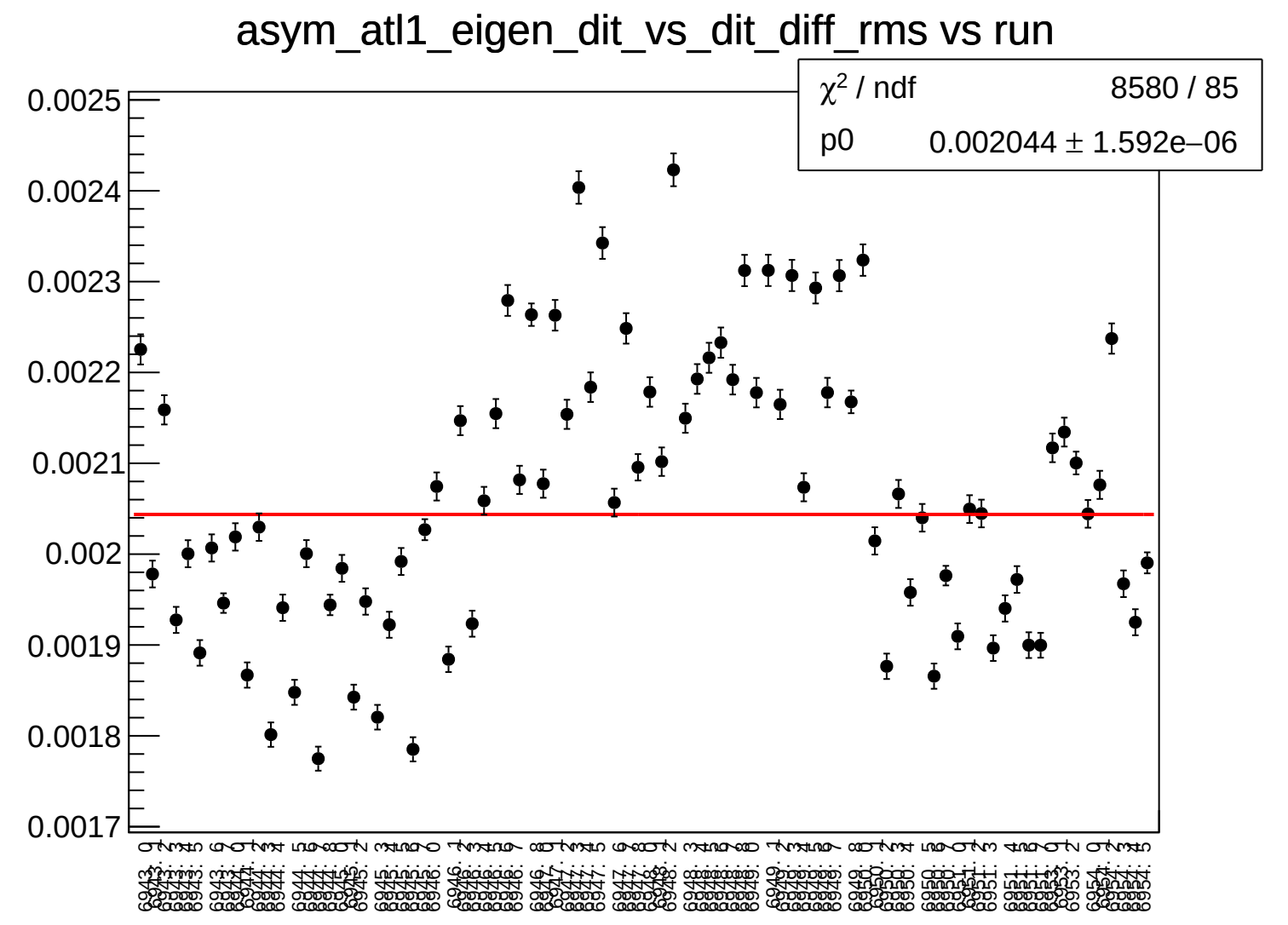

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.02347 ± 0.06682
pull
Entries 86
Mean 244.8
Std Dev 0

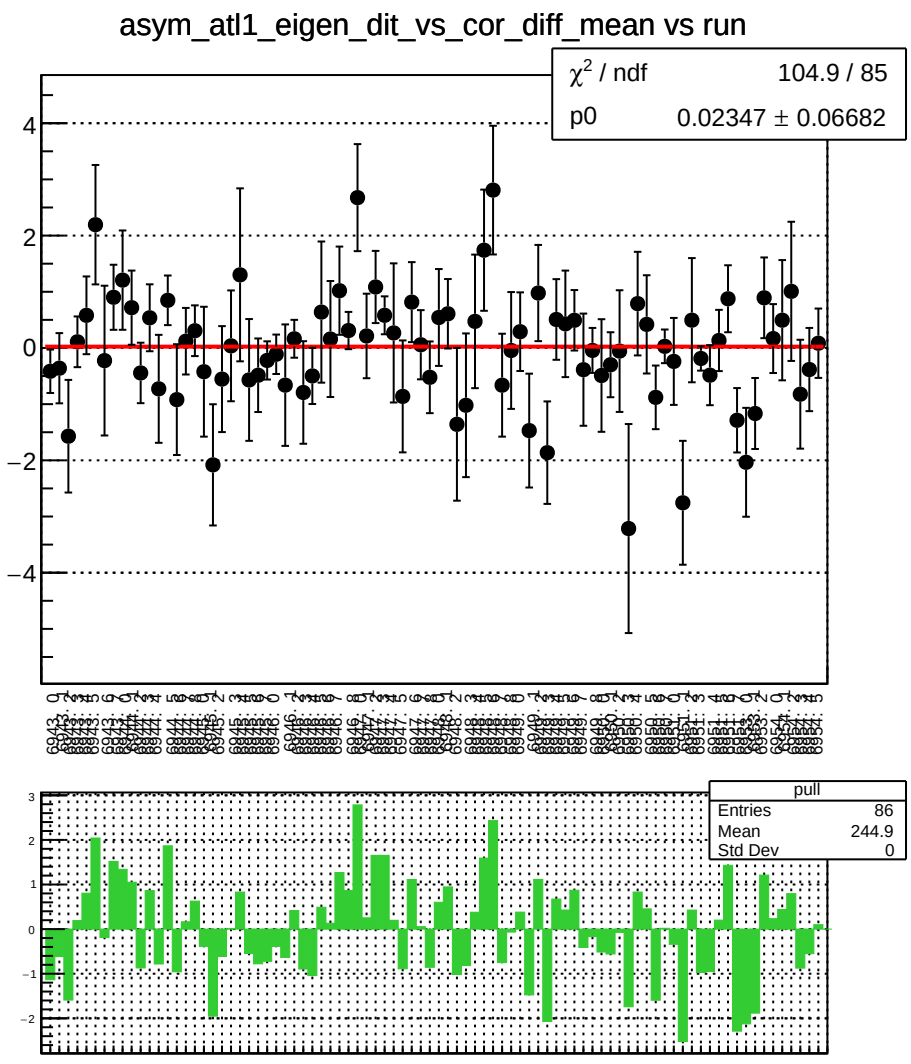

pull1D
Entries 86
Mean −0.02139
Std Dev 1.104

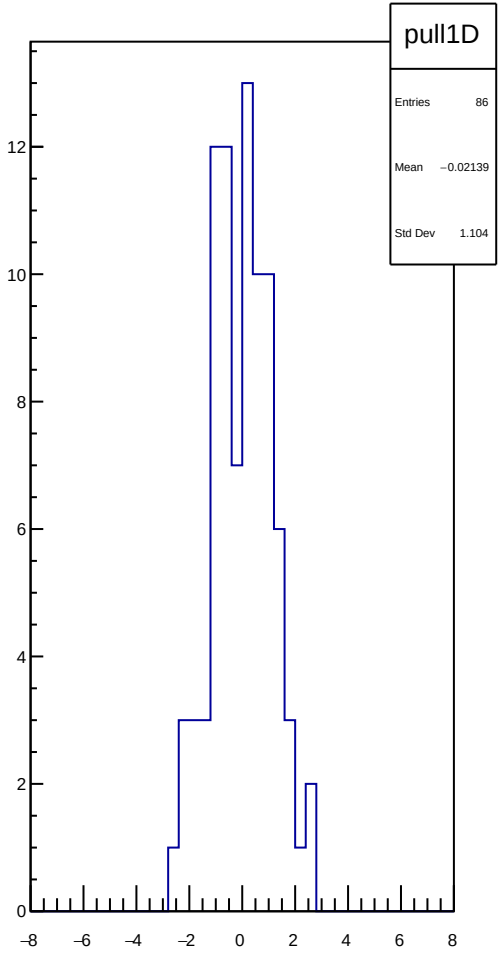

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.73e+05 / 85
p0 55.57 ± 0.04725
180
160
140
120
100
80
60
40
20

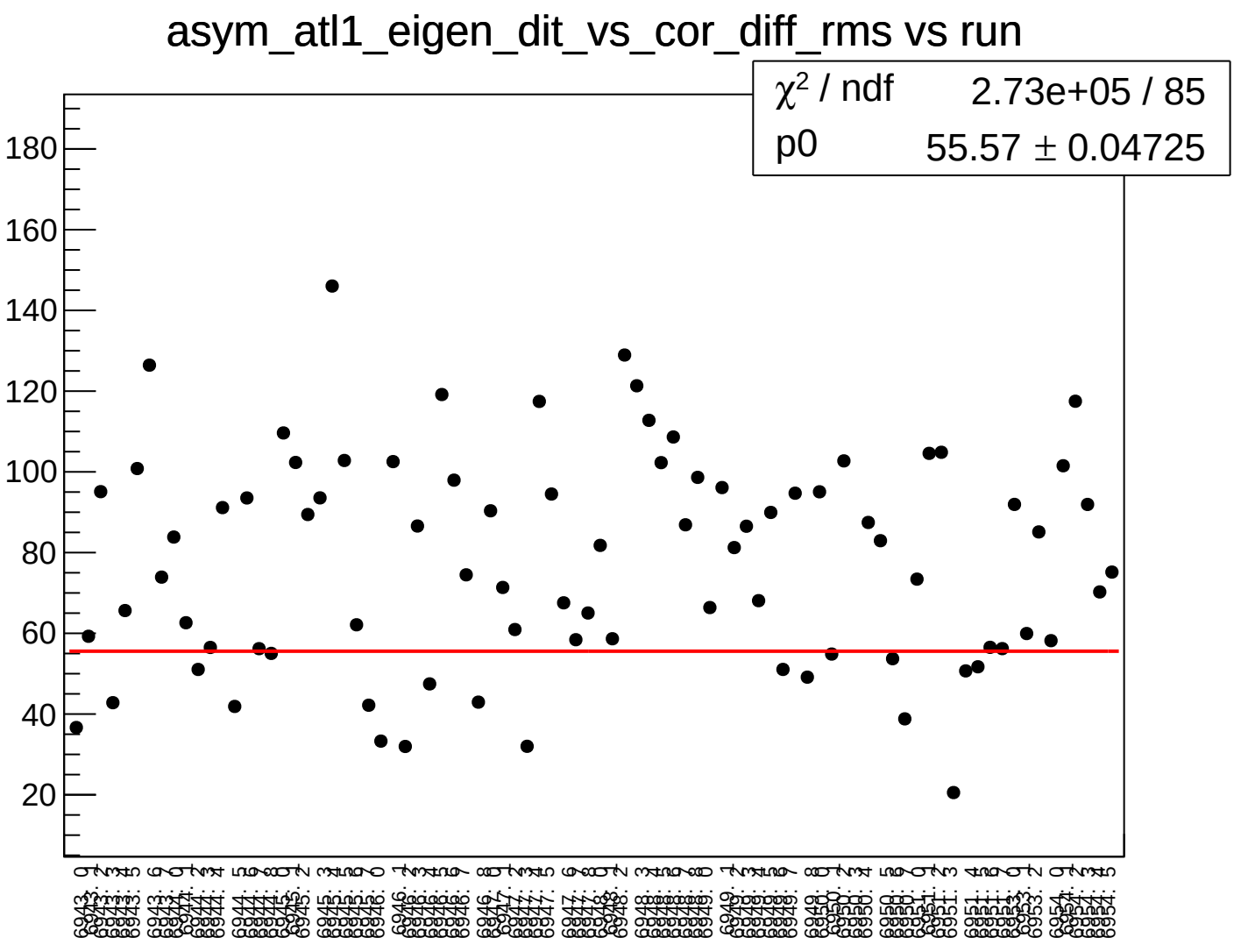

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.73 / 85
p0 6.427e−06 ± 2.252e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 86
Mean 178.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

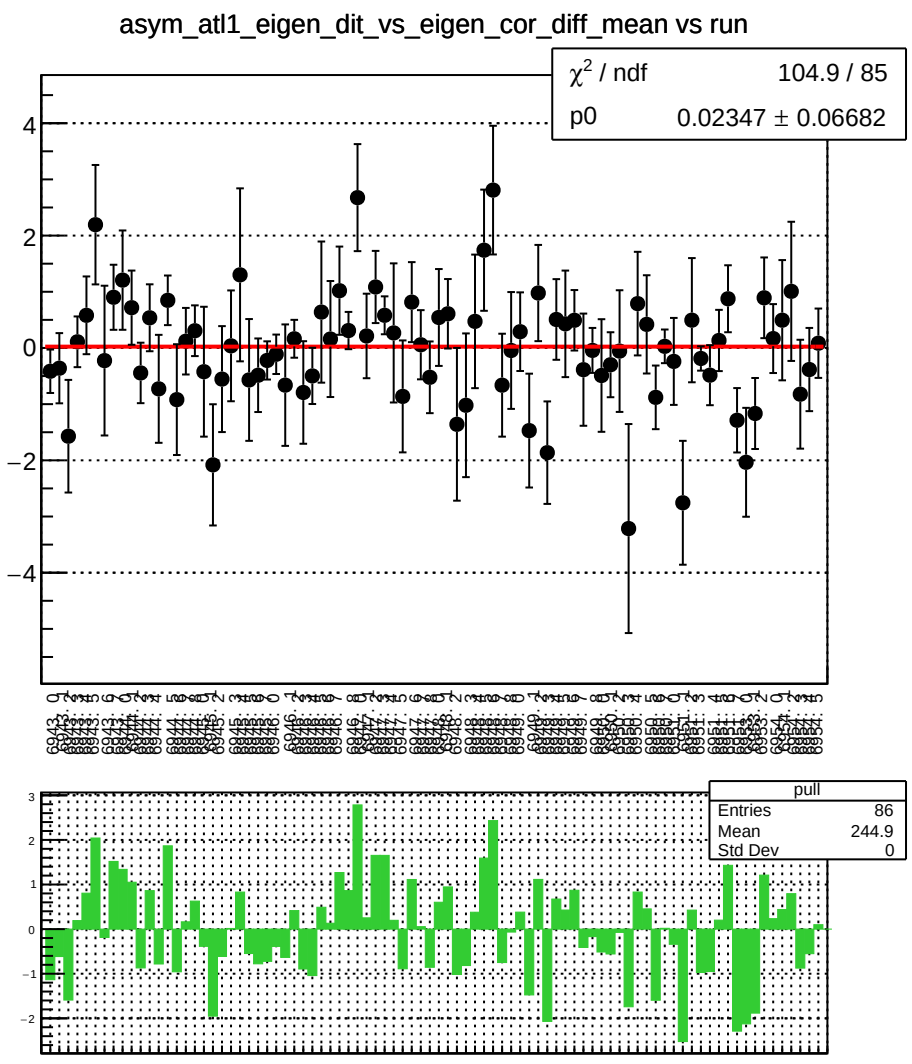

pull1D
Entries 86
Mean 0.01234
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

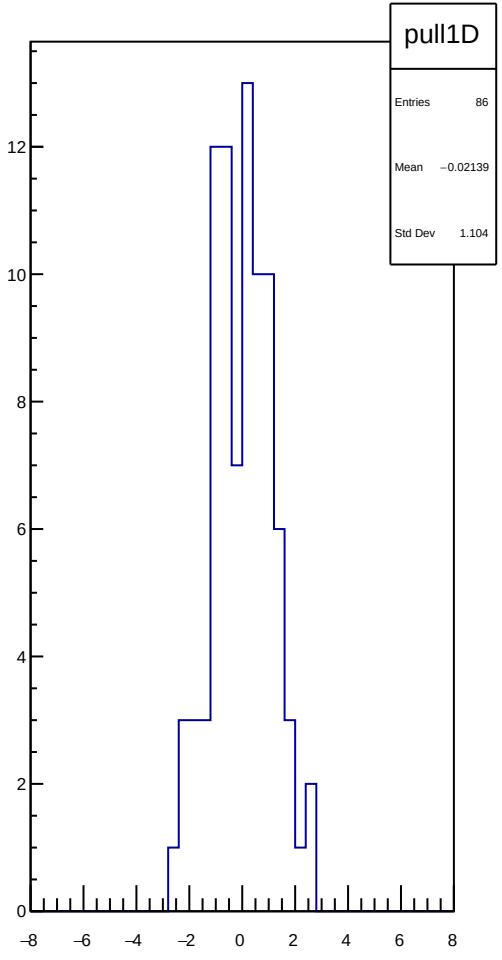

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8580 / 85
p0 0.002044 ± 1.592e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

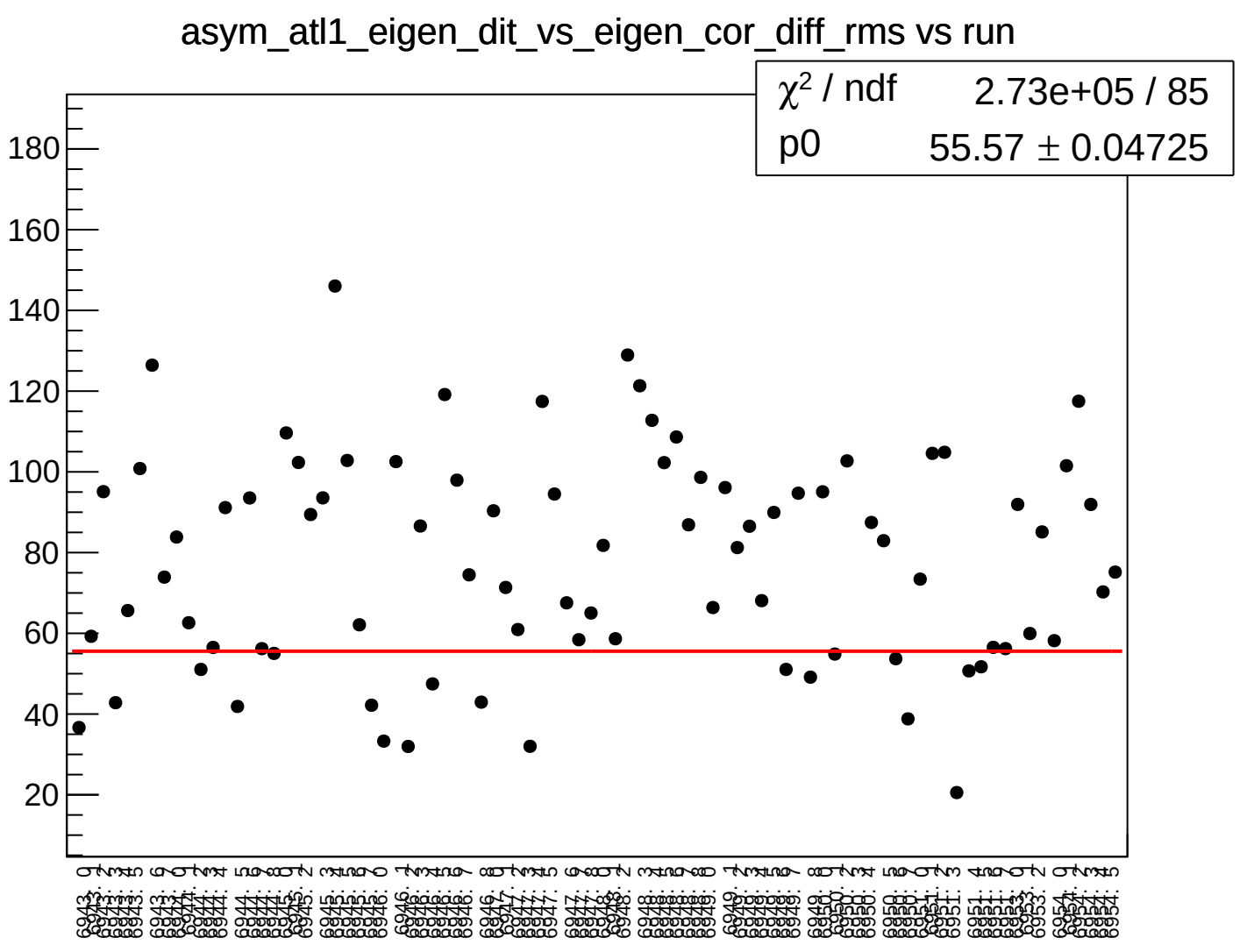

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.02347 ± 0.06682
pull
Entries 86
Mean 244.9
Std Dev 0

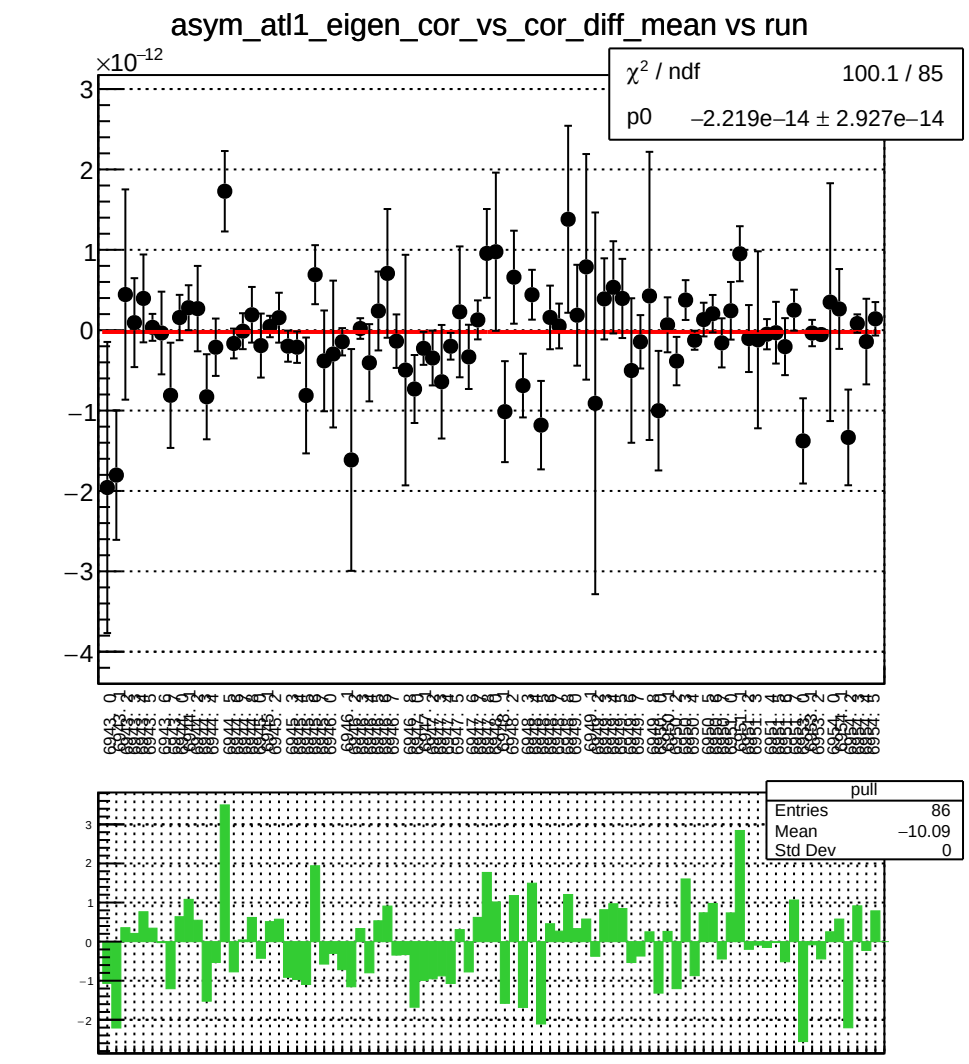

pull1D
Entries 86
Mean −0.02139
Std Dev 1.104

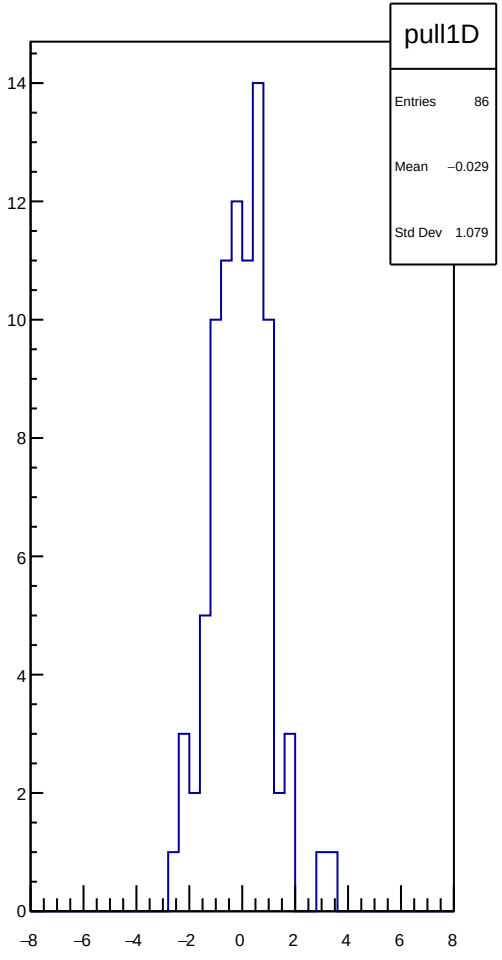

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.73e+05 / 85
p0 55.57 ± 0.04725
180
160
140
120
100
80
60
40
20

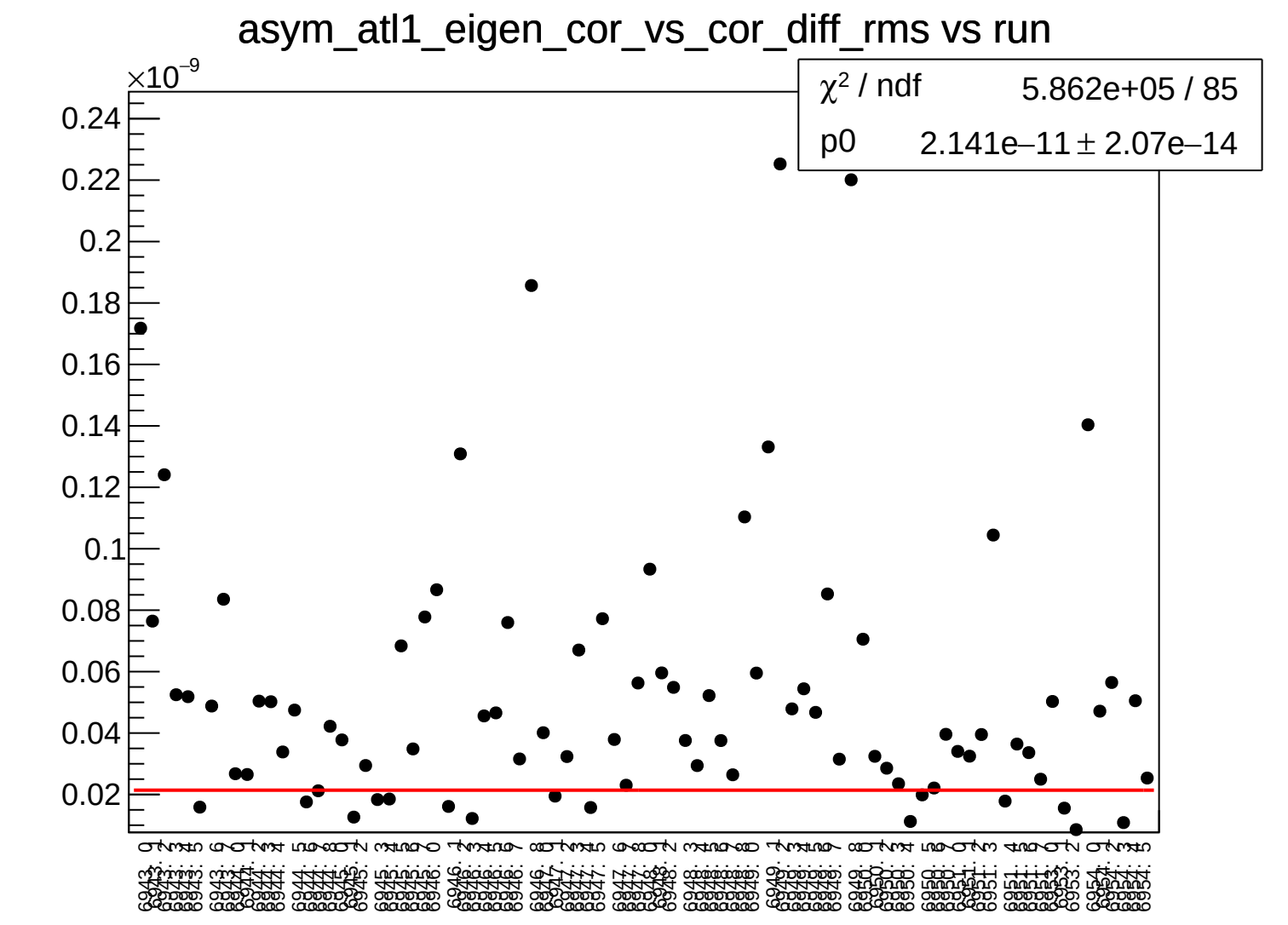

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.02347 ± 0.06682
pull
Entries 86
Mean 244.9
Std Dev 0

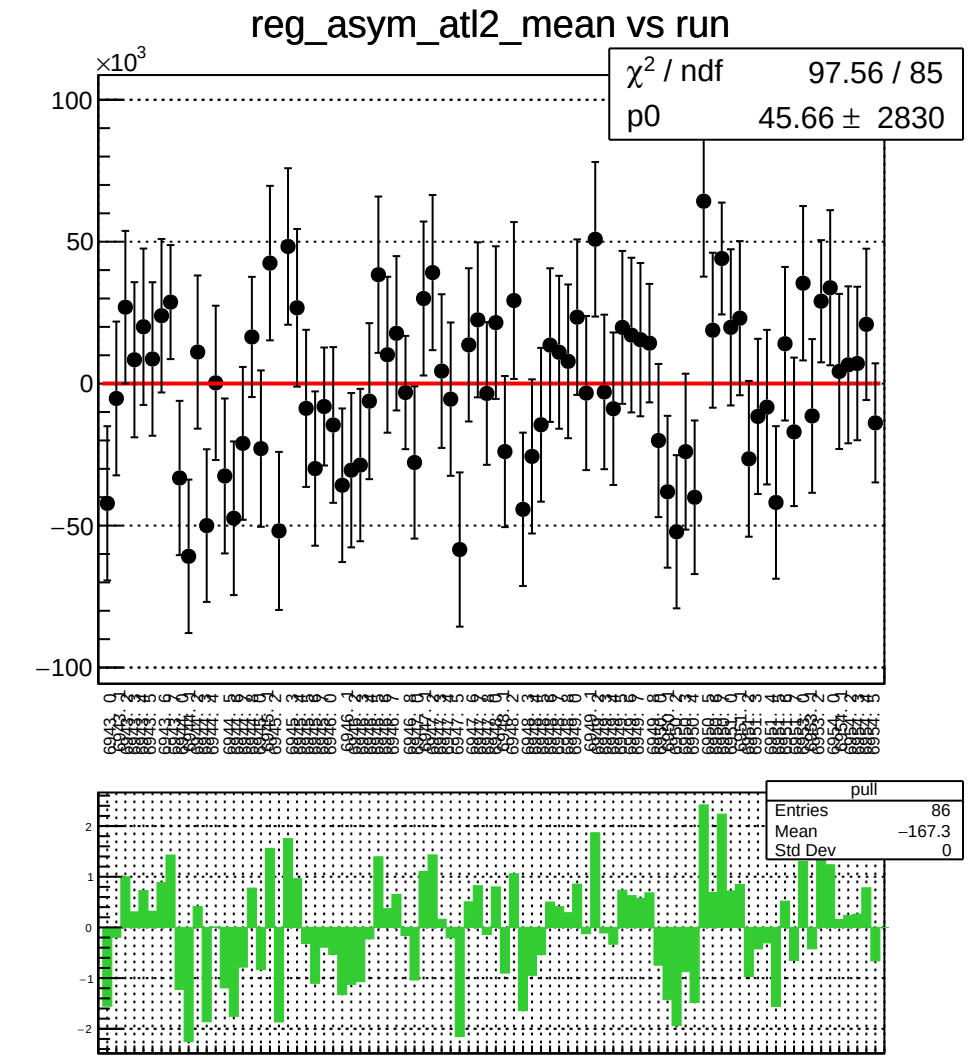

pull1D
Entries 86
Mean −0.02139
Std Dev 1.104

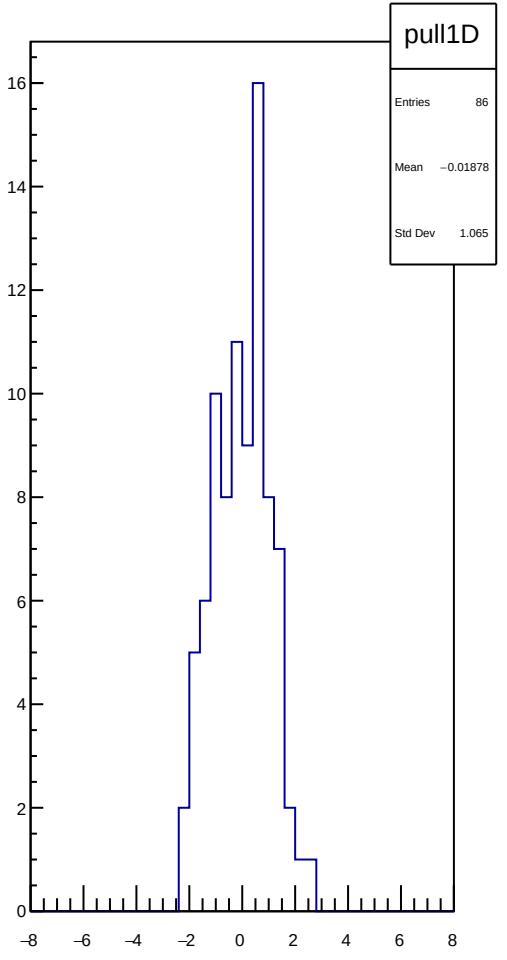

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.73e+05 / 85
p0 55.57 ± 0.04725
180
160
140
120
100
80
60
40
20

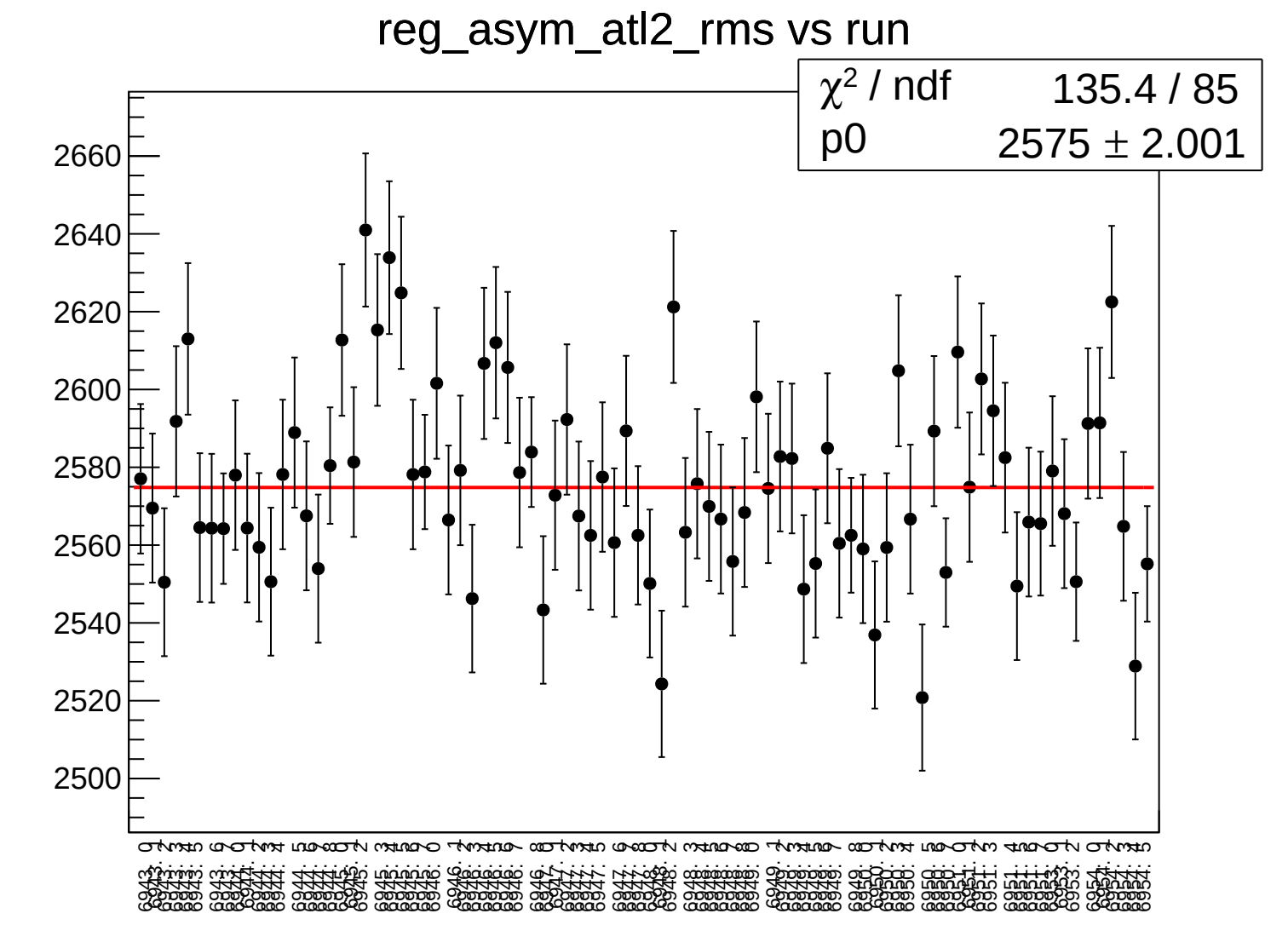

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 100.1 / 85
p0 −2.219e−14 ± 2.927e−14
pull
Entries 86
Mean −10.09
Std Dev 0

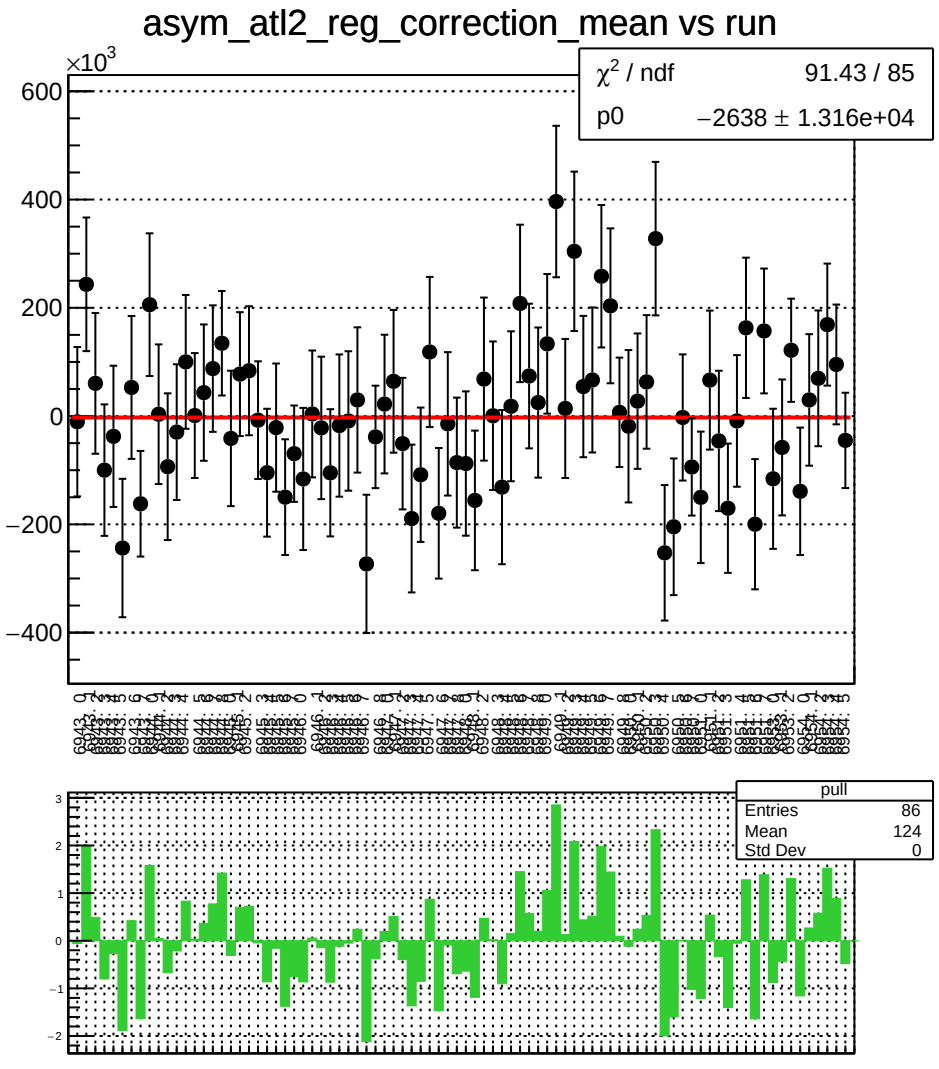

pull1D
Entries 86
Mean −0.029
Std Dev 1.079

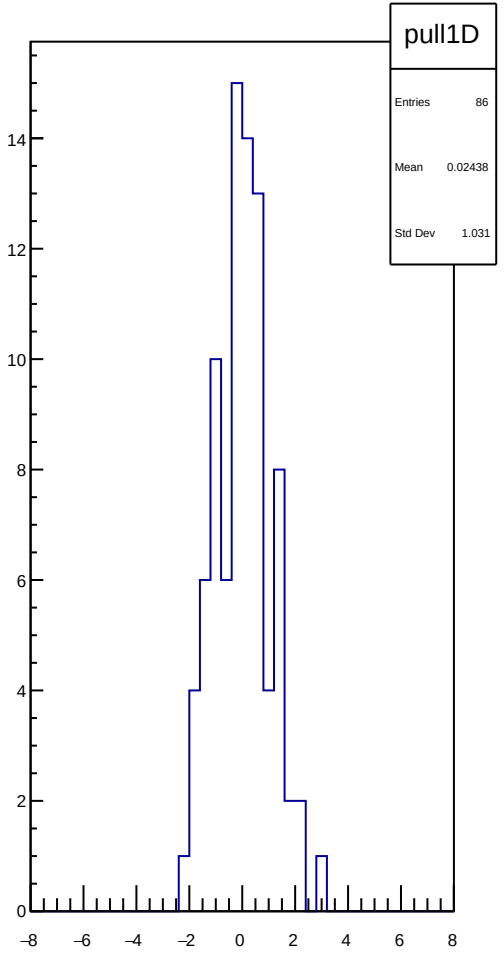

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.862e+05 / 85
p0 2.141e−11 ± 2.07e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

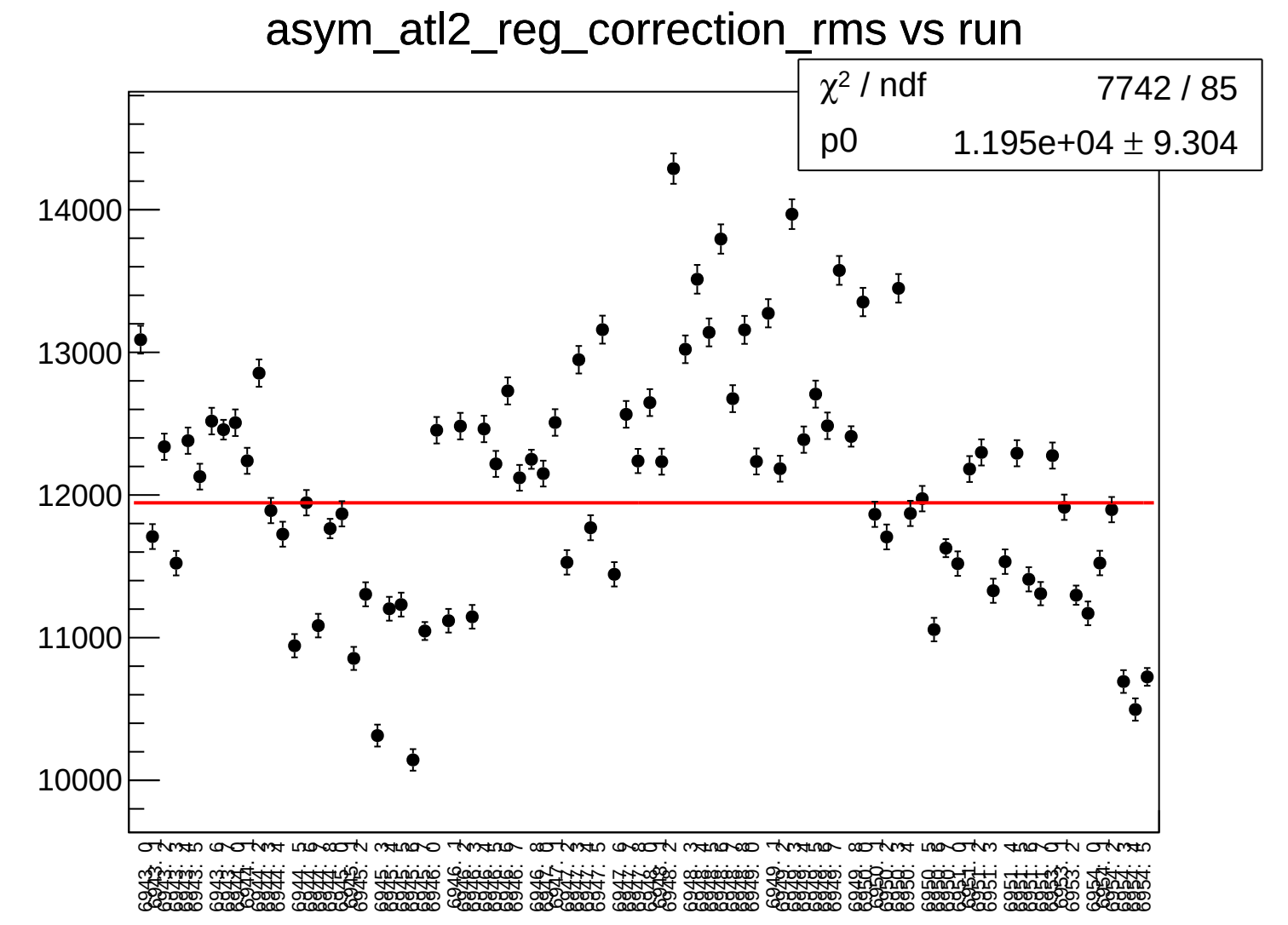

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 97.56 / 85
p0 45.66 ± 2830
100
50
0
−50
−100
pull
Entries 86
Mean −167.3
Std Dev 0
2
1
0
−1
−2

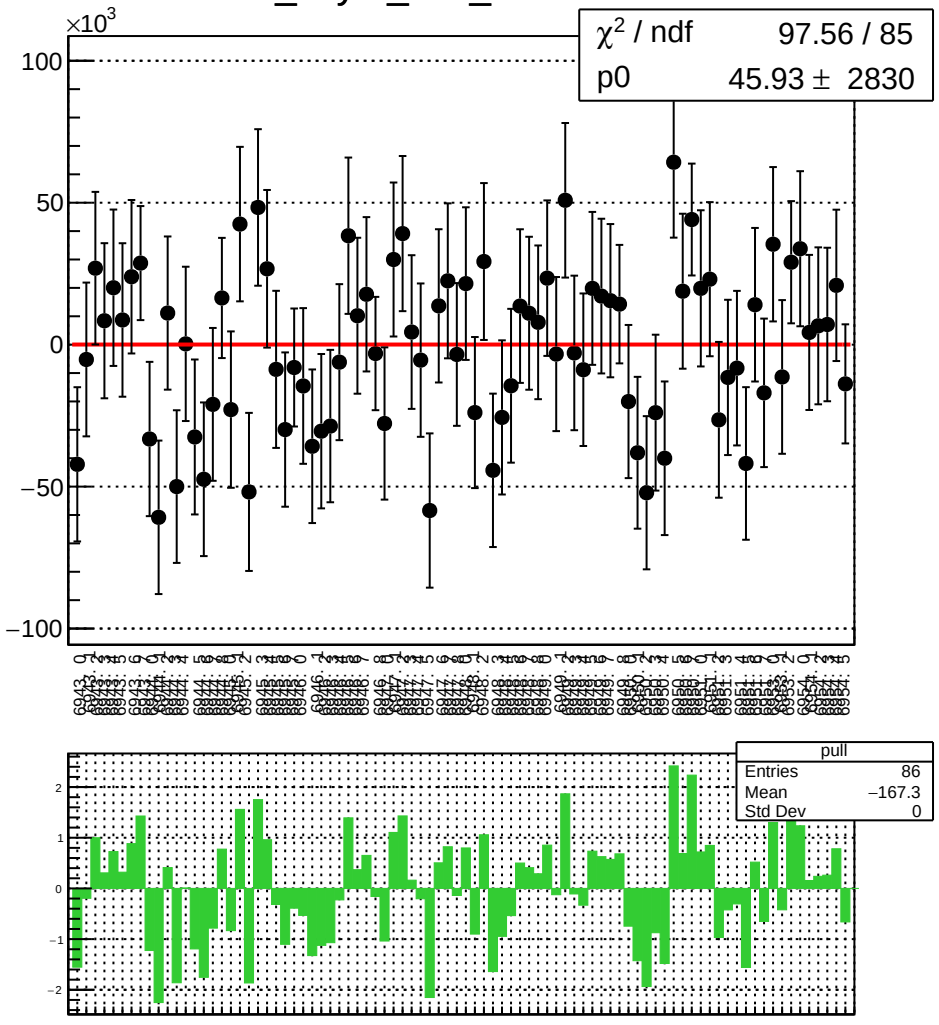

pull1D
Entries 86
Mean −0.01878
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

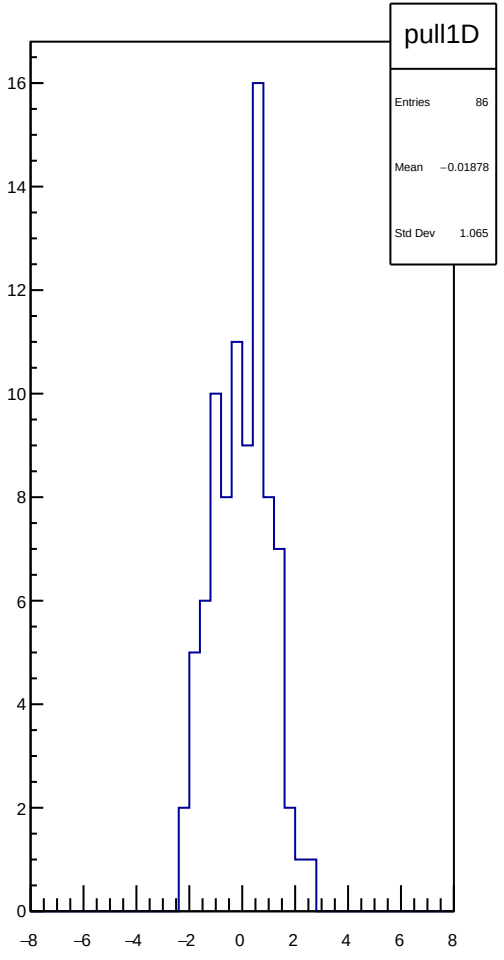

reg_asym_atl2_rms vs run
χ² / ndf 135.4 / 85
p0 2575 ± 2.001
2660
2640
2620
2600
2580
2560
2540
2520
2500

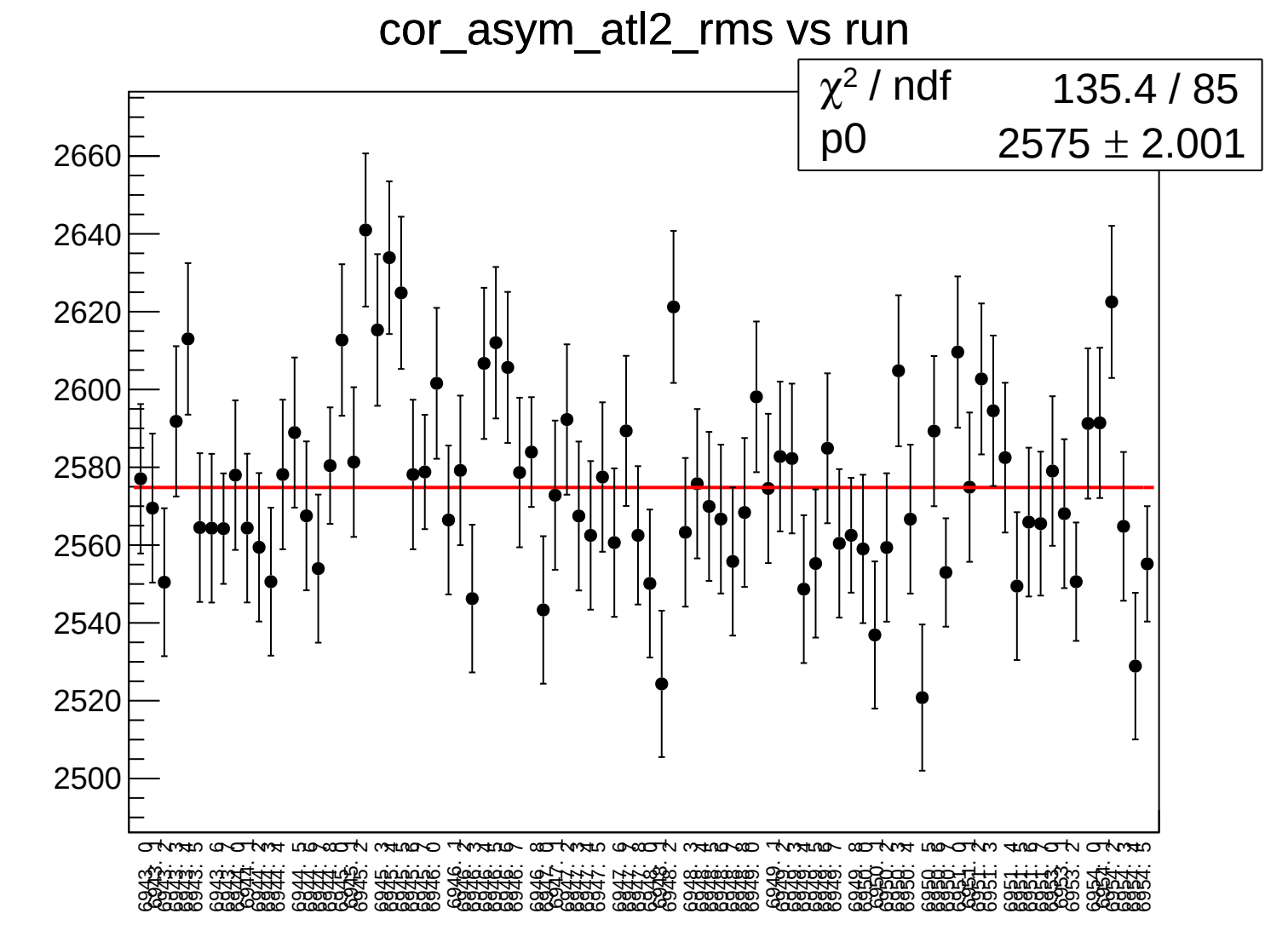

asym_atl2_reg_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.43 / 85
p0 −2638 ± 1.316e+04
pull
Entries 86
Mean 124
Std Dev 0
3
2
1
0
−1
−2

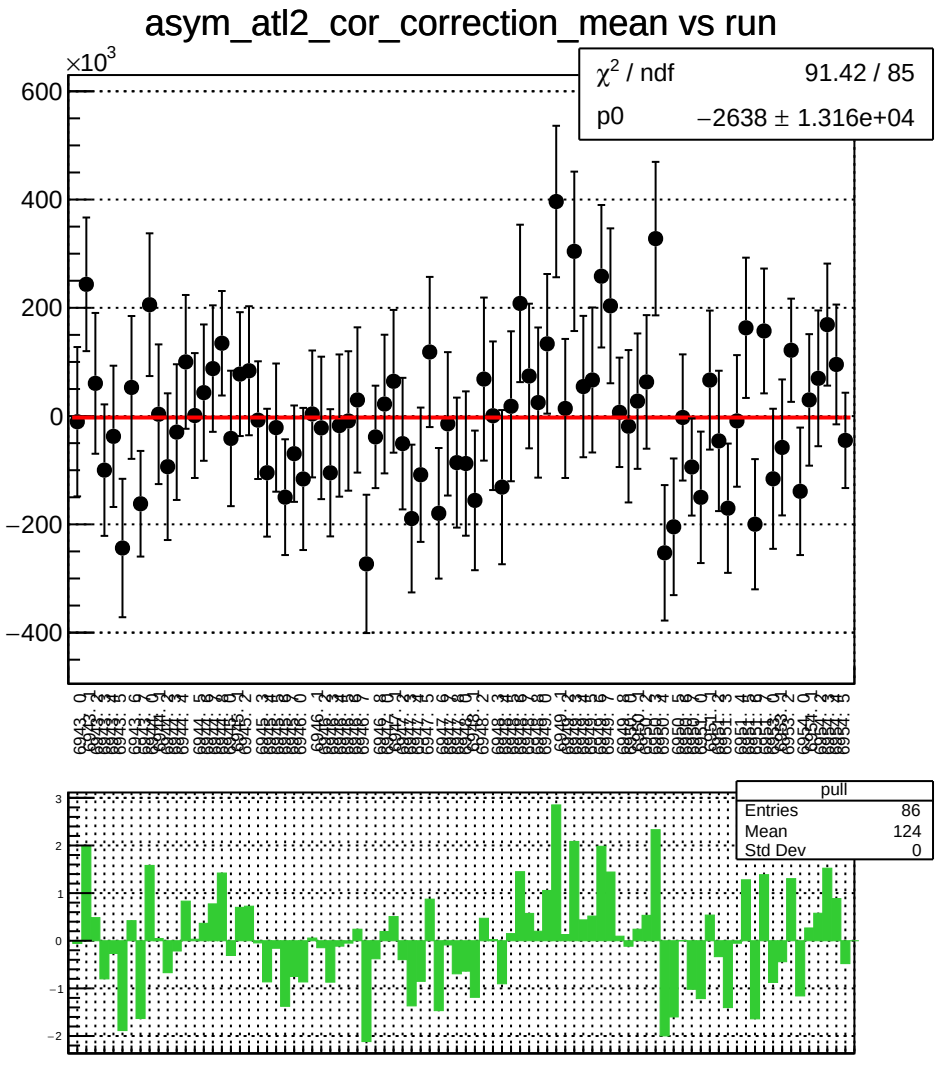

pull1D
Entries 86
Mean 0.02438
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

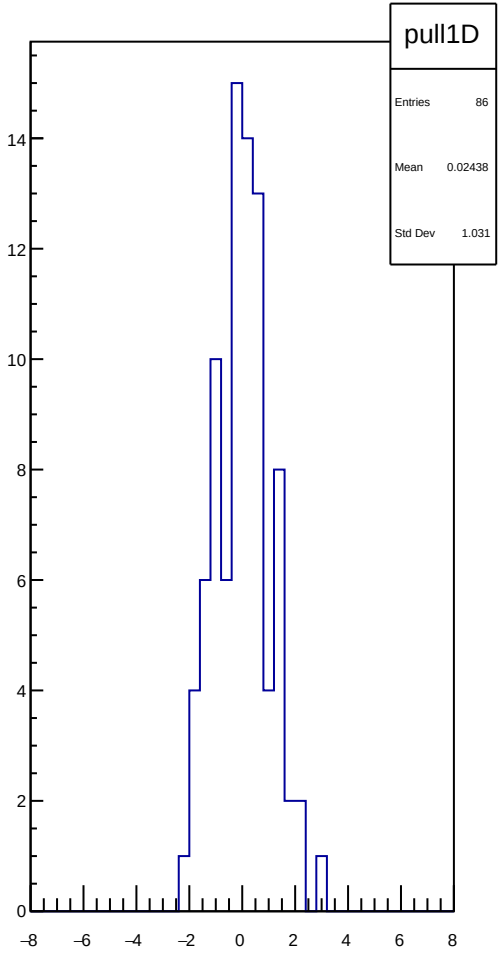

asym_atl2_reg_correction_rms vs run
χ² / ndf 7742 / 85
p0 1.195e+04 ± 9.304
14000
13000
12000
11000
10000

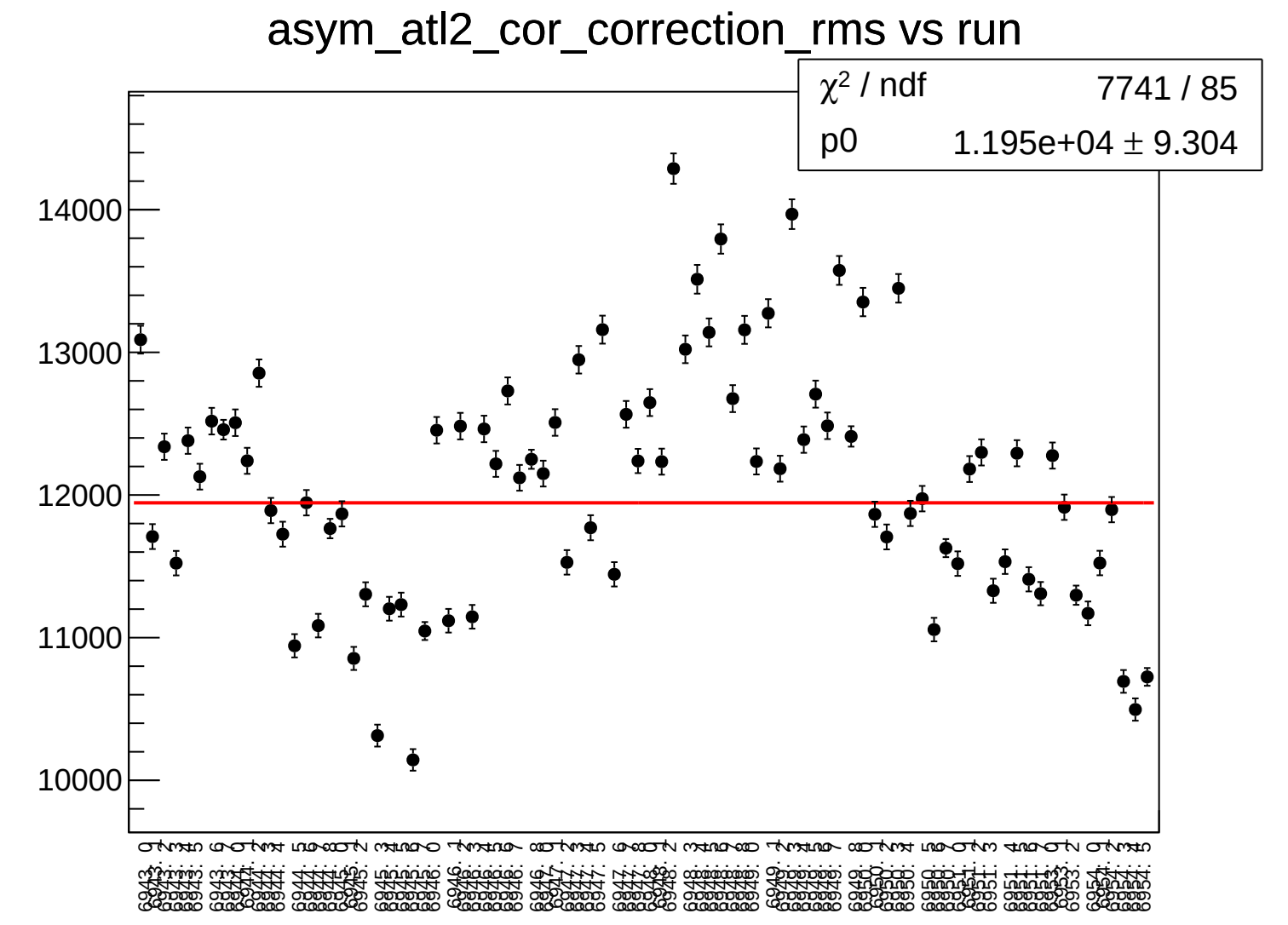

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 97.56 / 85
p0 45.93 ± 2830
100
50
0
−50
−100
pull
Entries 86
Mean −167.3
Std Dev 0
2
1
0
−1
−2

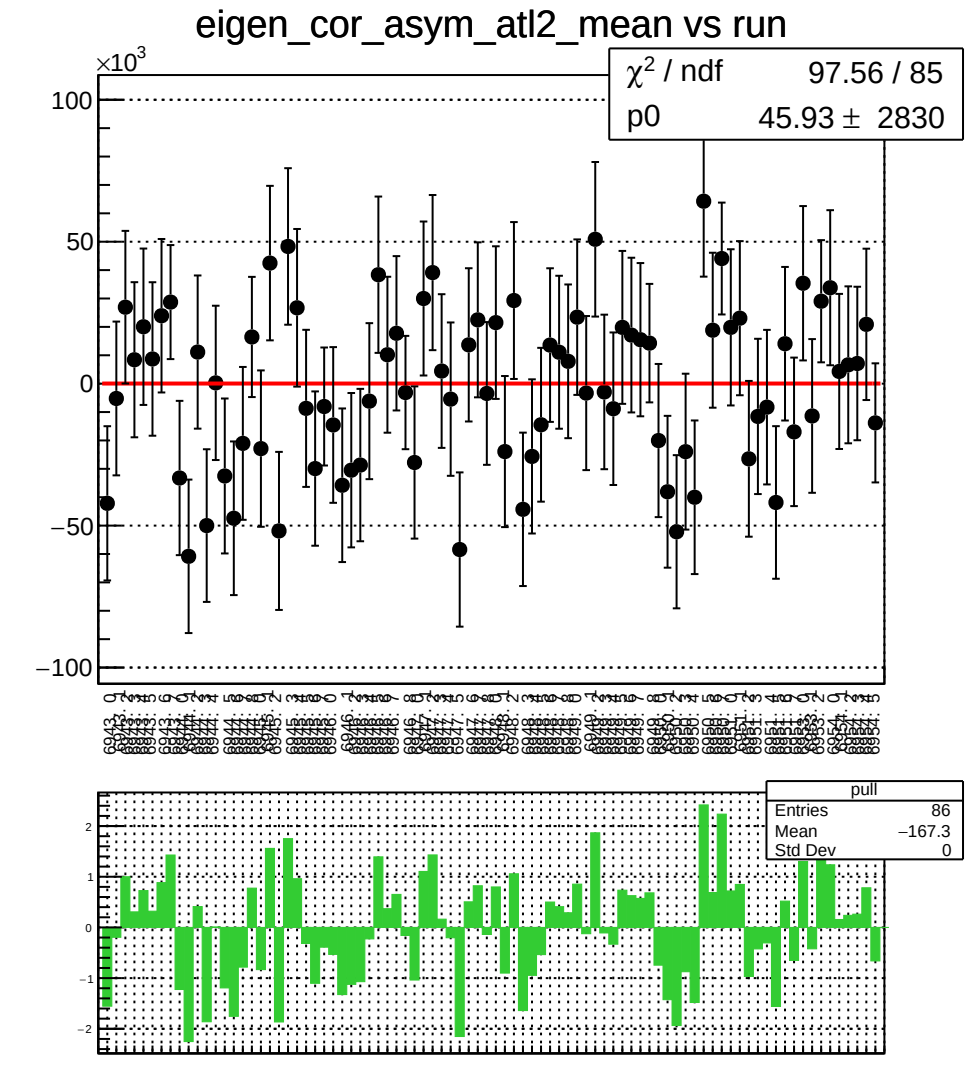

pull1D
Entries 86
Mean −0.01878
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

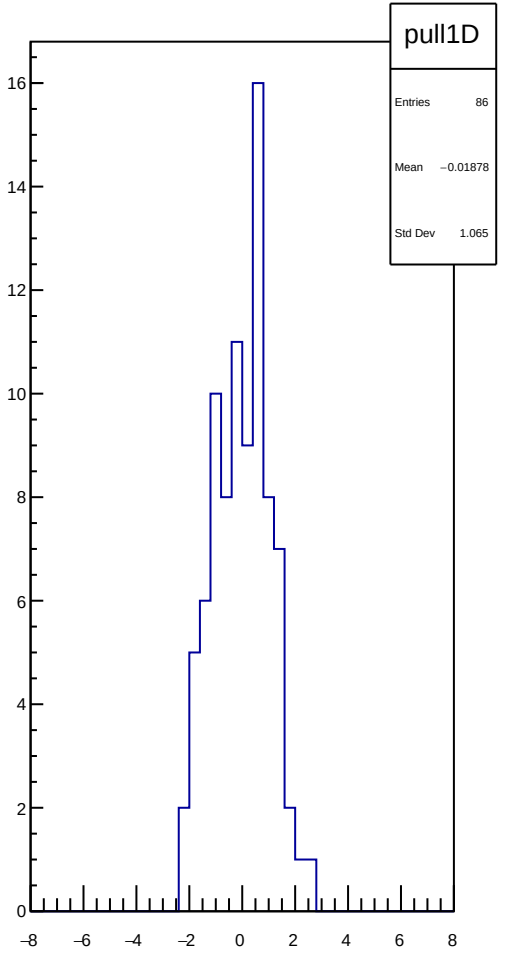

cor_asym_atl2_rms vs run
χ² / ndf 135.4 / 85
p0 2575 ± 2.001
2660
2640
2620
2600
2580
2560
2540
2520
2500

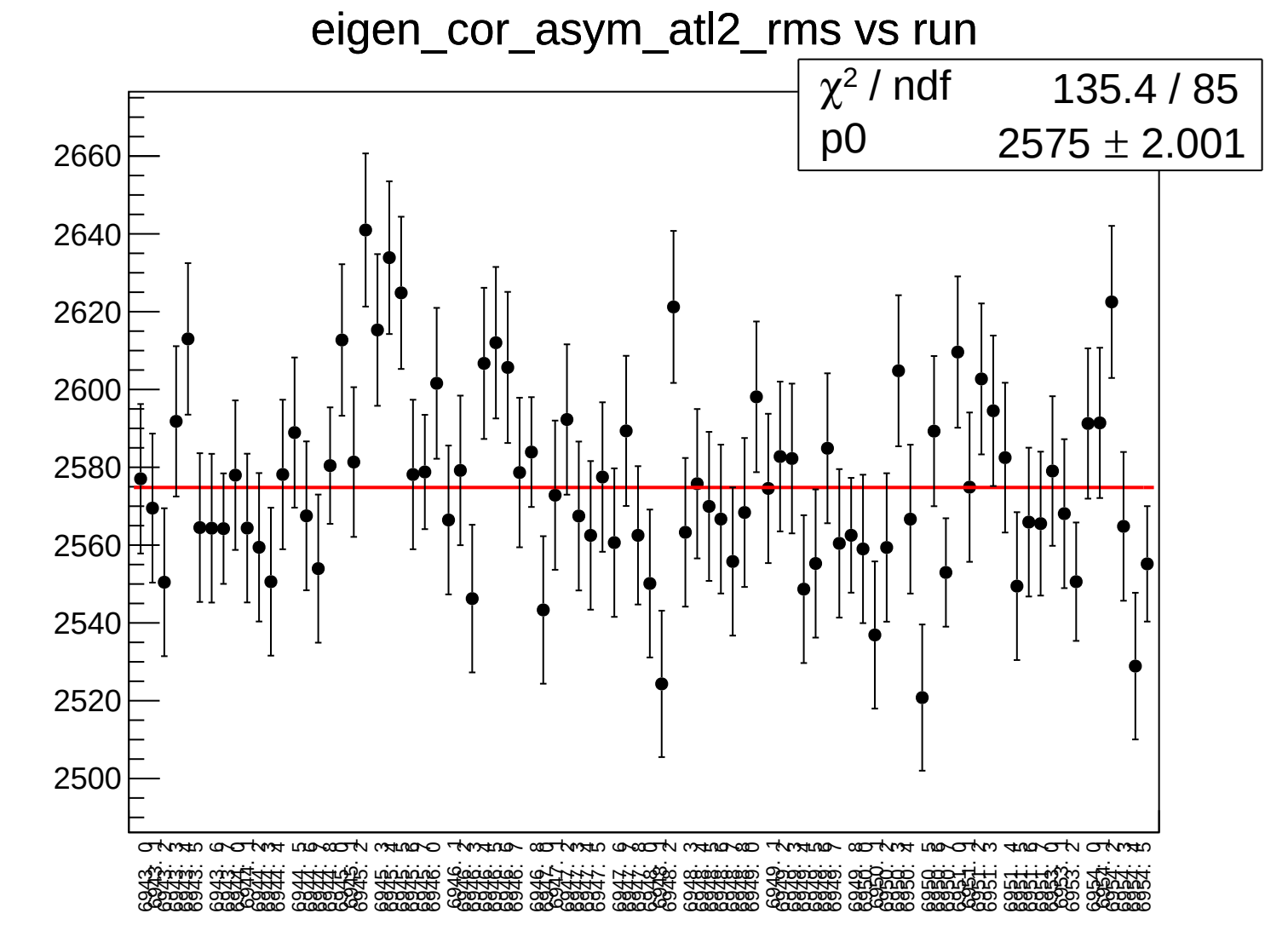

asym_atl2_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.42 / 85
p0 −2638 ± 1.316e+04
pull
Entries 86
Mean 124
Std Dev 0
3
2
1
0
−1
−2

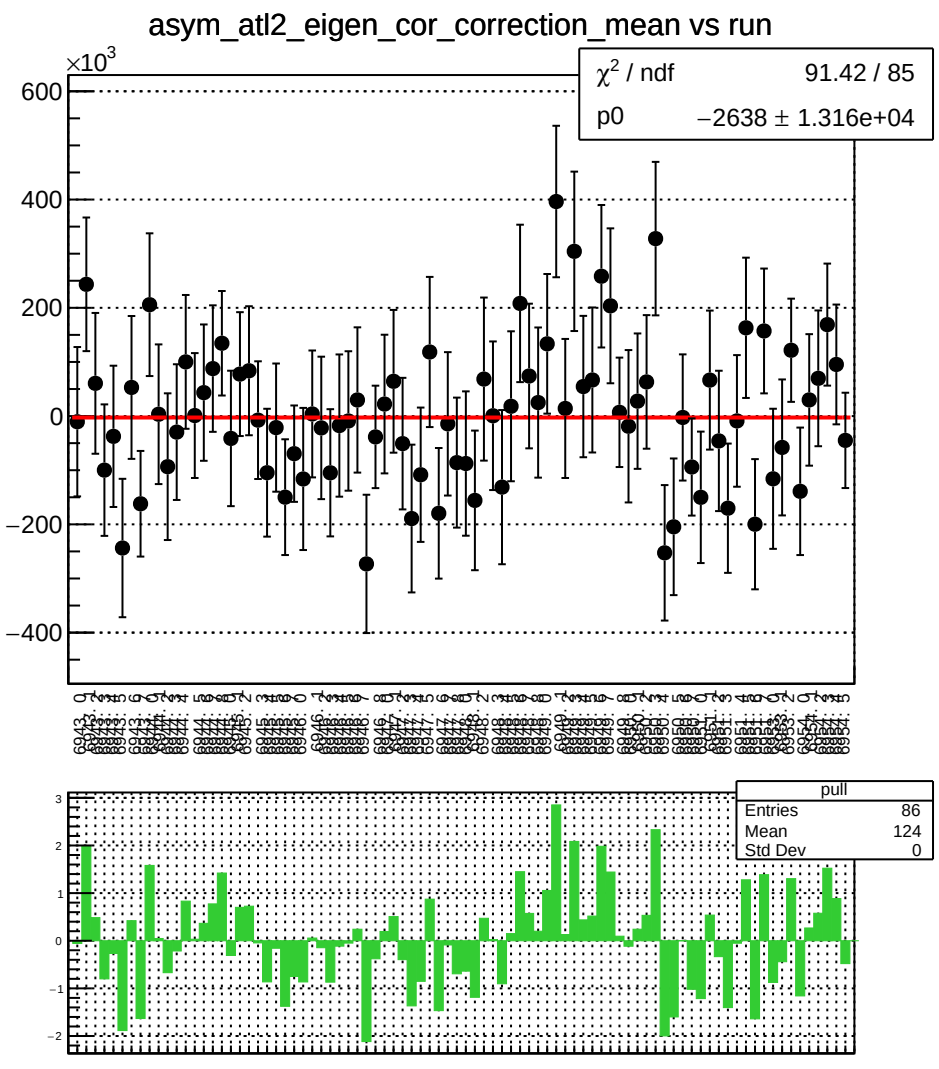

pull1D
Entries 86
Mean 0.02438
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

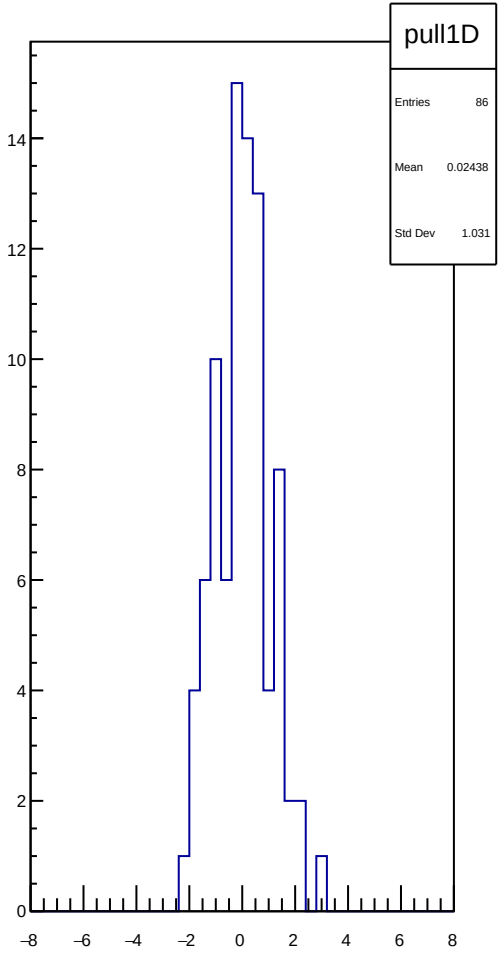

asym_atl2_cor_correction_rms vs run
χ² / ndf 7741 / 85
p0 1.195e+04 ± 9.304
14000
13000
12000
11000
10000

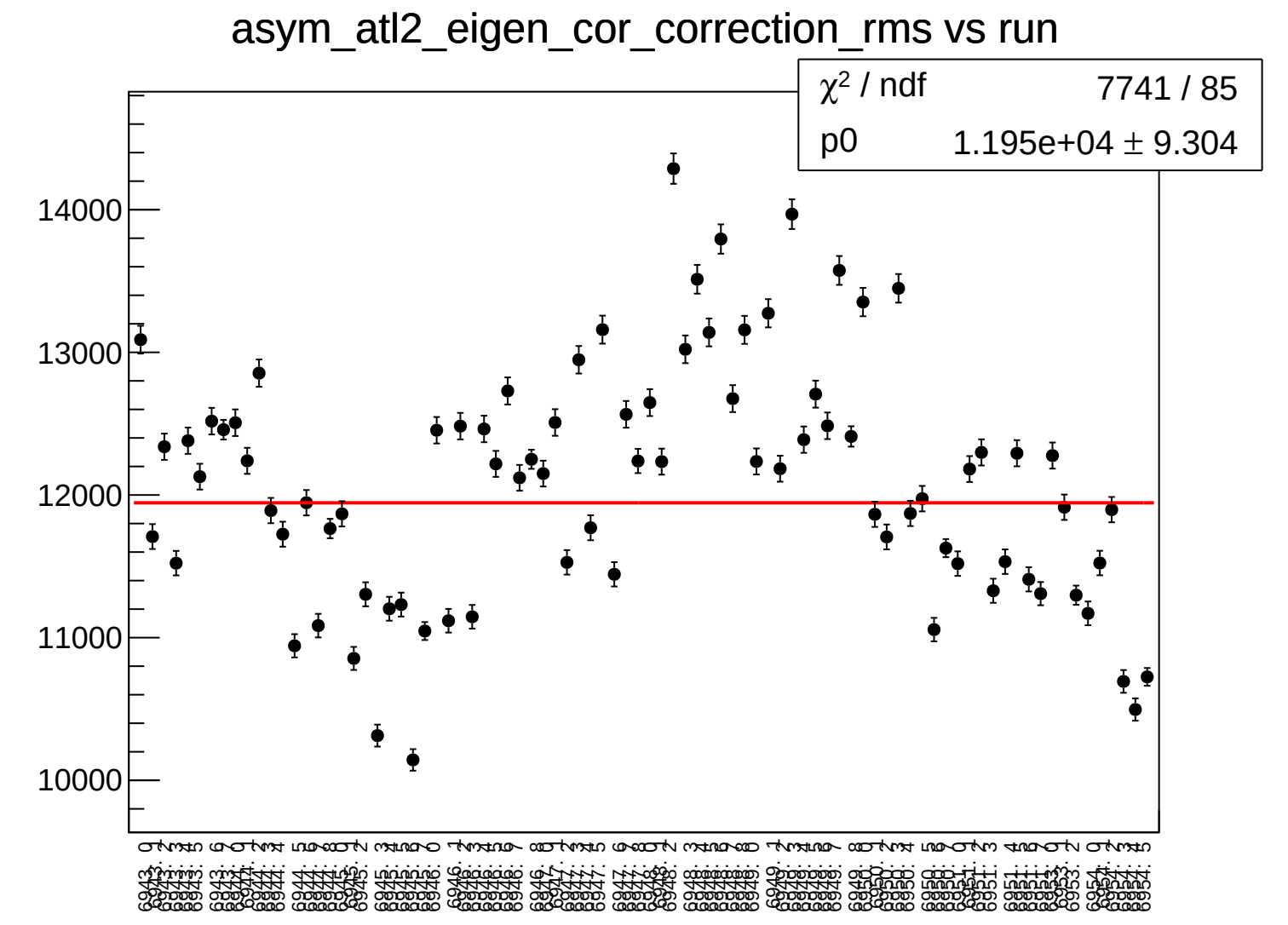

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 97.56 / 85
p0 45.93 ± 2830
100
50
0
−50
−100
pull
Entries 86
Mean −167.3
Std Dev 0
2
1
0
−1
−2

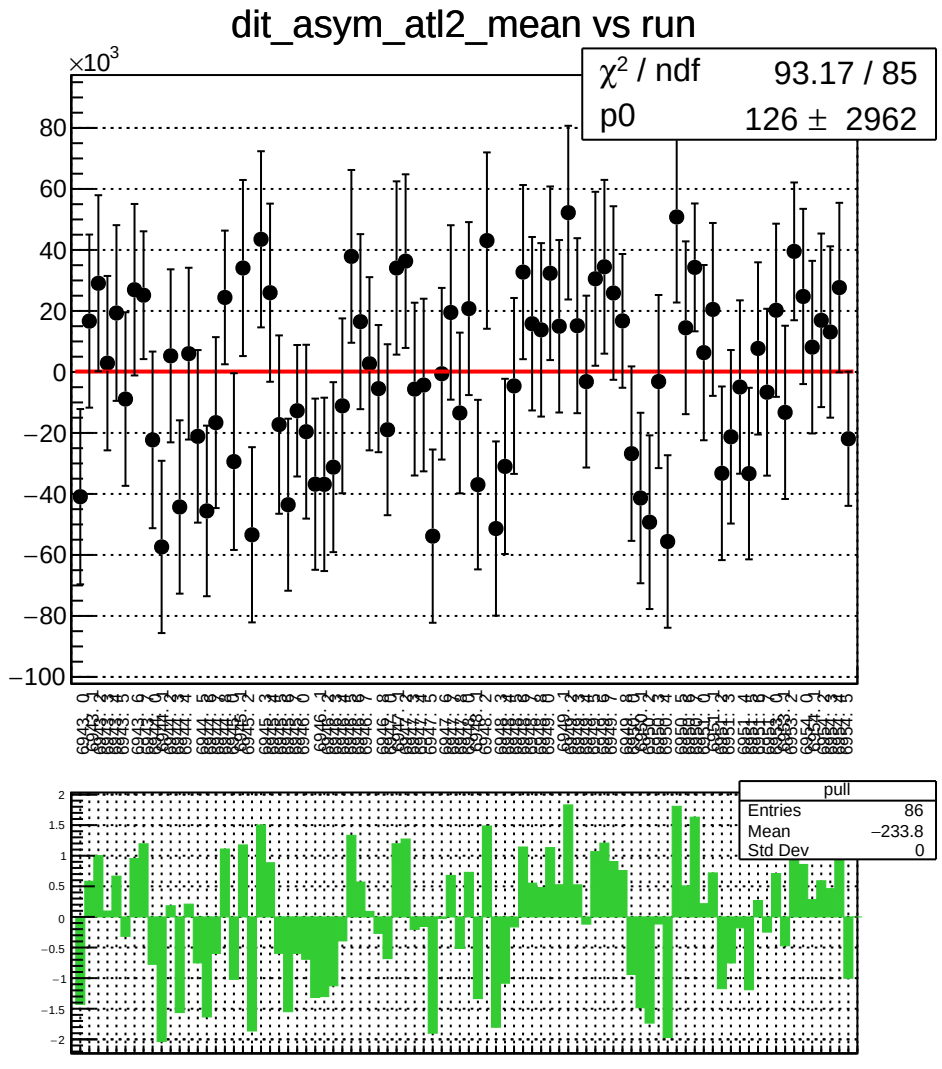

pull1D
Entries 86
Mean −0.01878
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

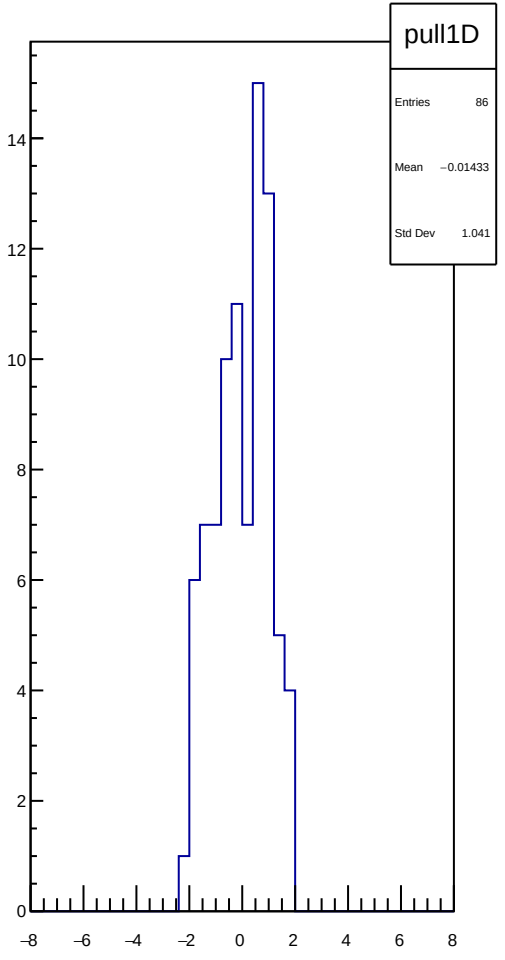

eigen_cor_asym_atl2_rms vs run
χ² / ndf 135.4 / 85
p0 2575 ± 2.001
2660
2640
2620
2600
2580
2560
2540
2520
2500

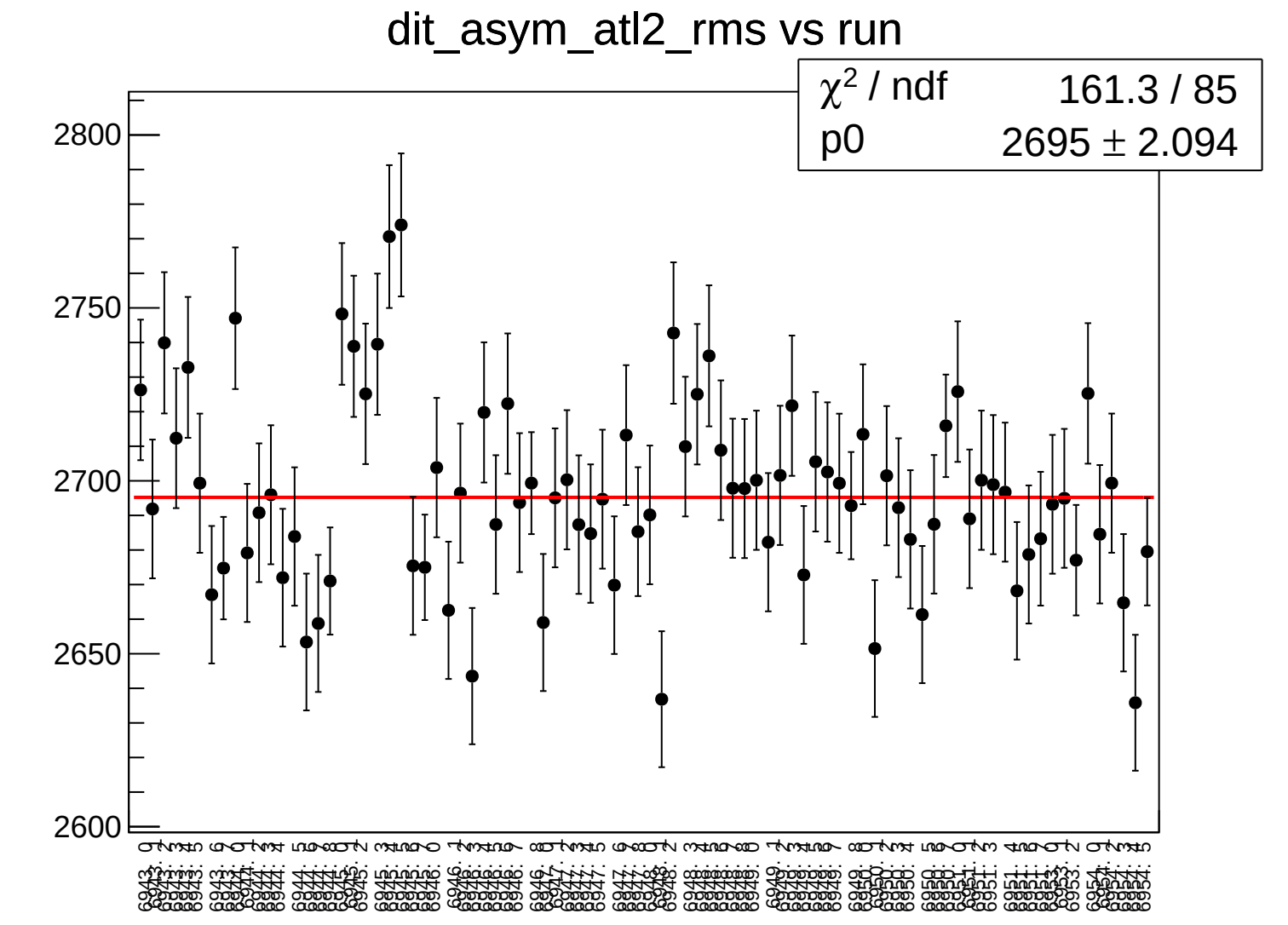

asym_atl2_eigen_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.42 / 85
p0 −2638 ± 1.316e+04
pull
Entries 86
Mean 124
Std Dev 0
3
2
1
0
−1
−2

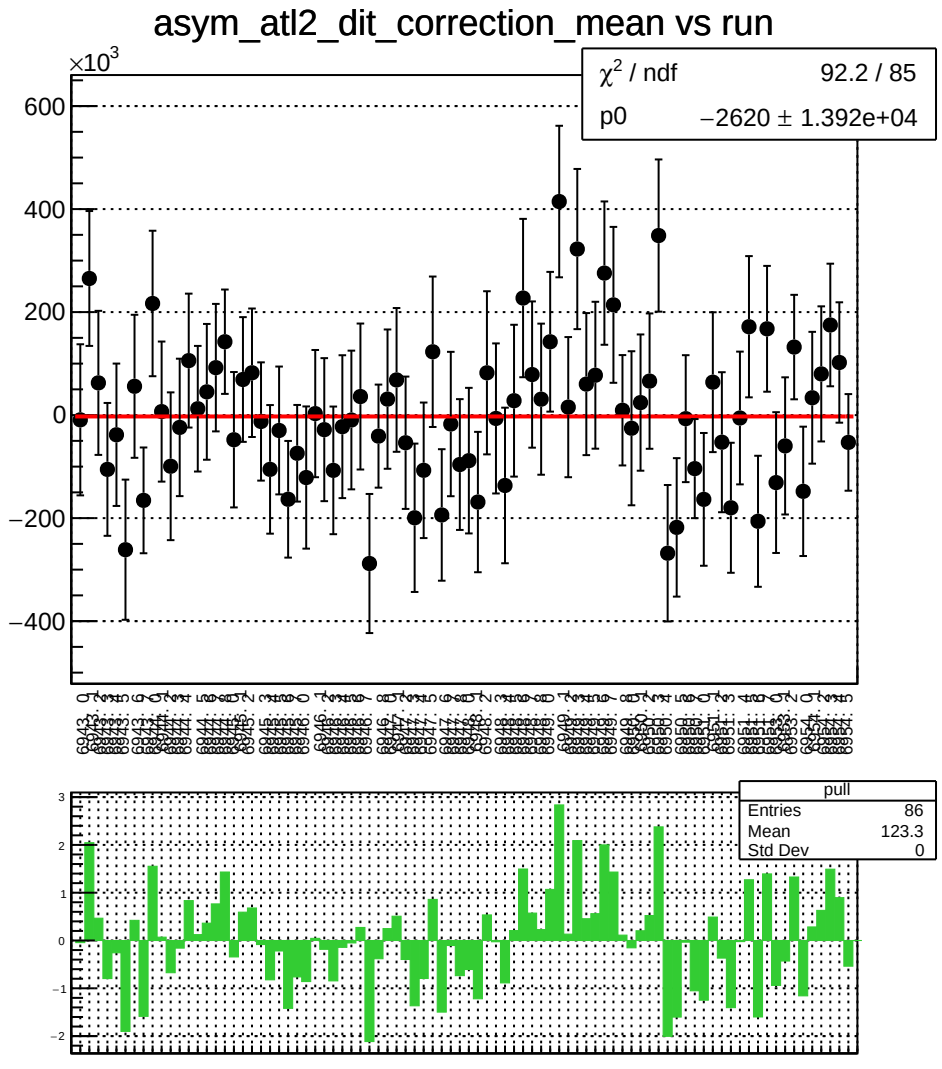

pull1D
Entries 86
Mean 0.02438
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

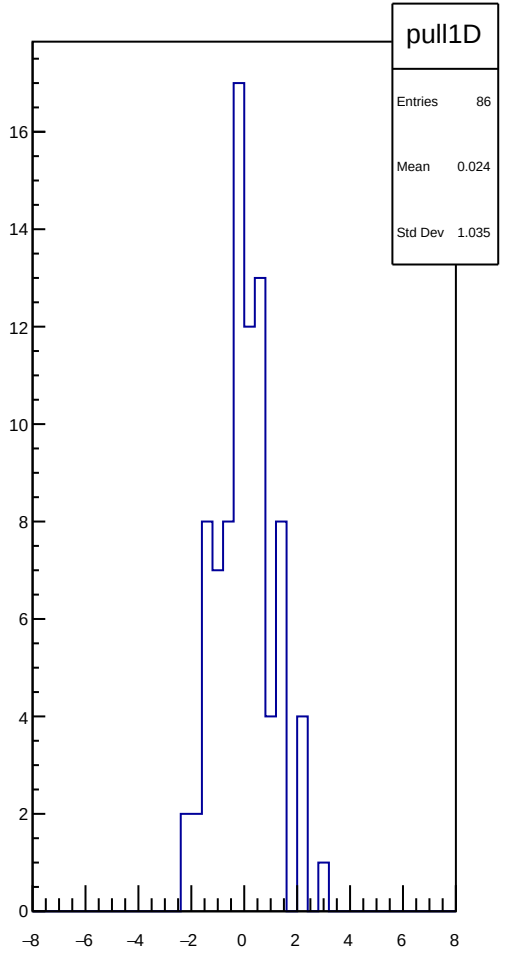

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 7741 / 85
p0 1.195e+04 ± 9.304
14000
13000
12000
11000
10000

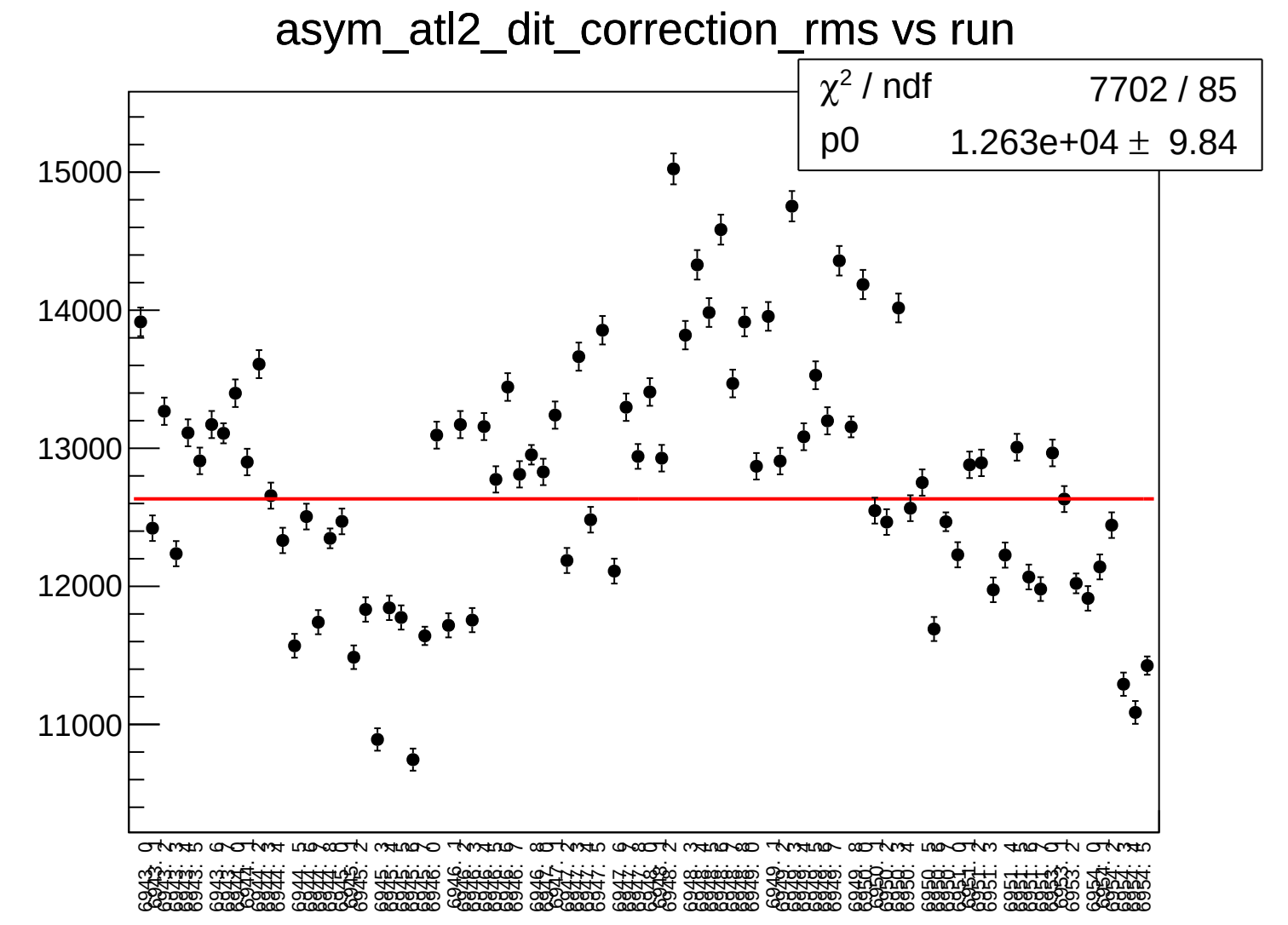

dit_asym_atl2_mean vs run
χ^2 / ndf 93.17 / 85
p0 126 ± 2962
×10^3
pull
Entries 86
Mean −233.8
Std Dev 0

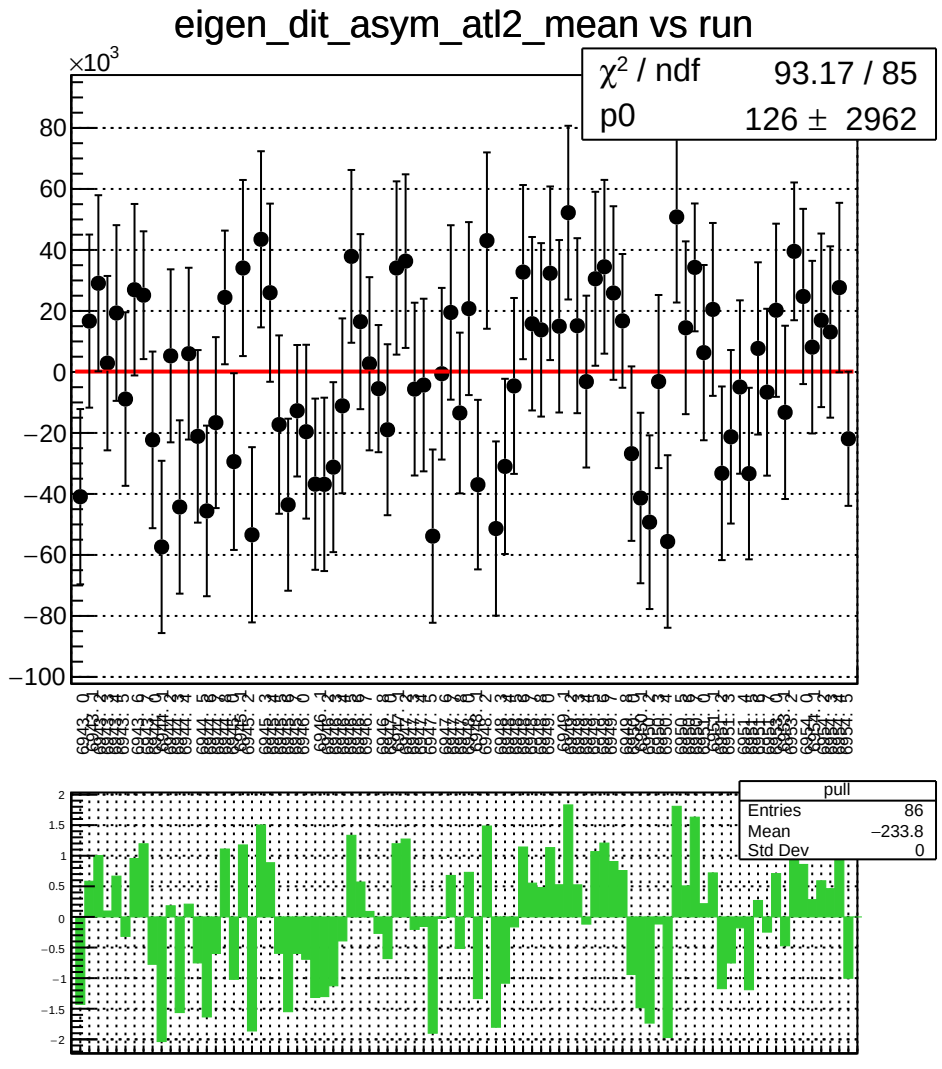

pull1D
Entries 86
Mean −0.01433
Std Dev 1.041

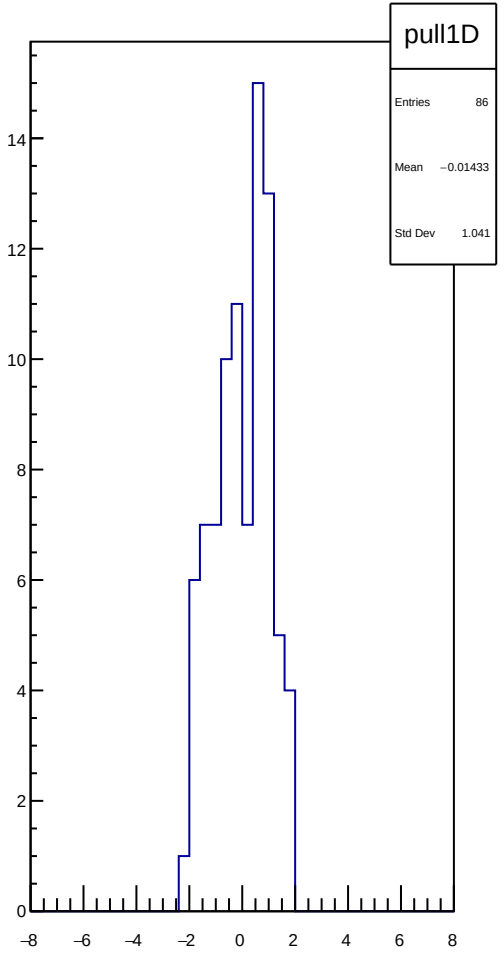

dit_asym_atl2_rms vs run
χ² / ndf 161.3 / 85
p0 2695 ± 2.094
2800
2750
2700
2650
2600

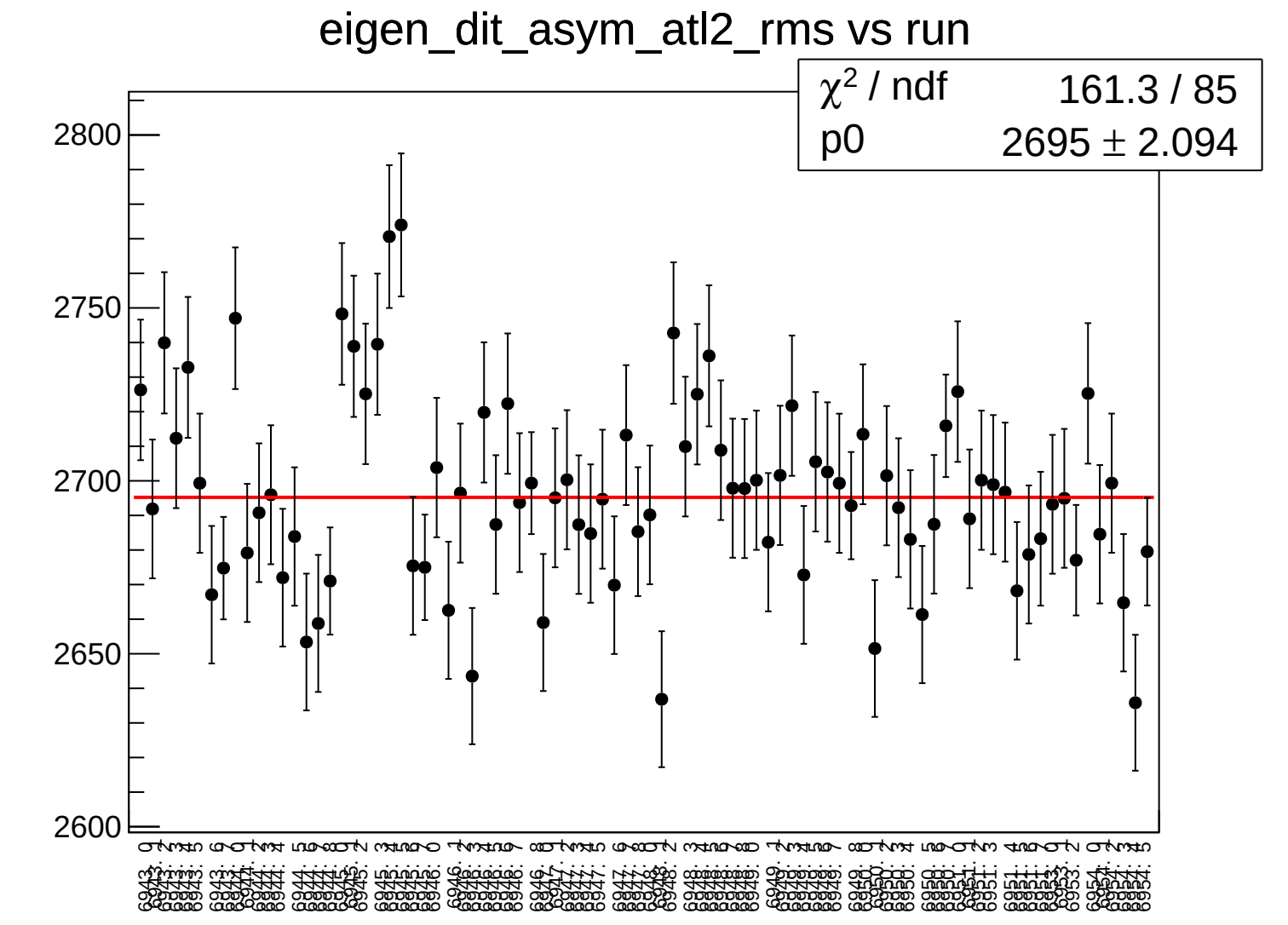

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 92.2 / 85
p0 −2620 ± 1.392e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2

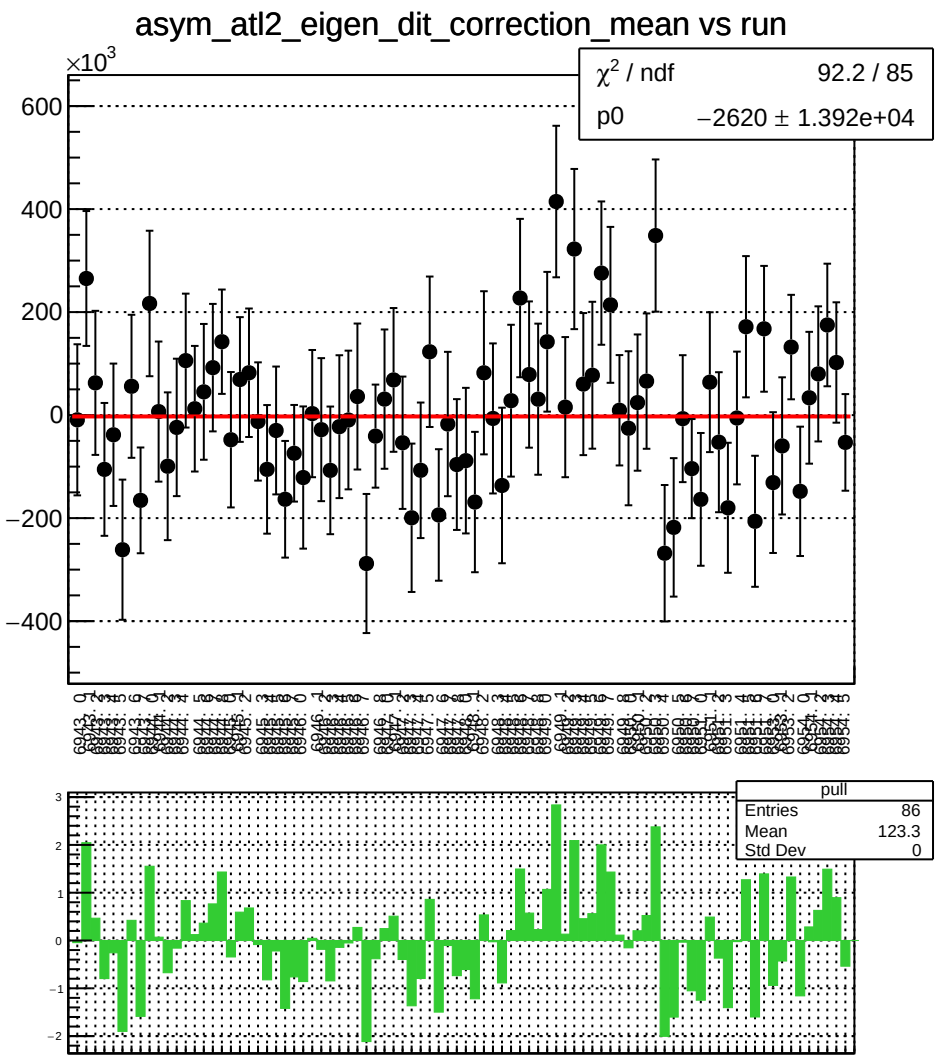

pull1D
Entries 86
Mean 0.024
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

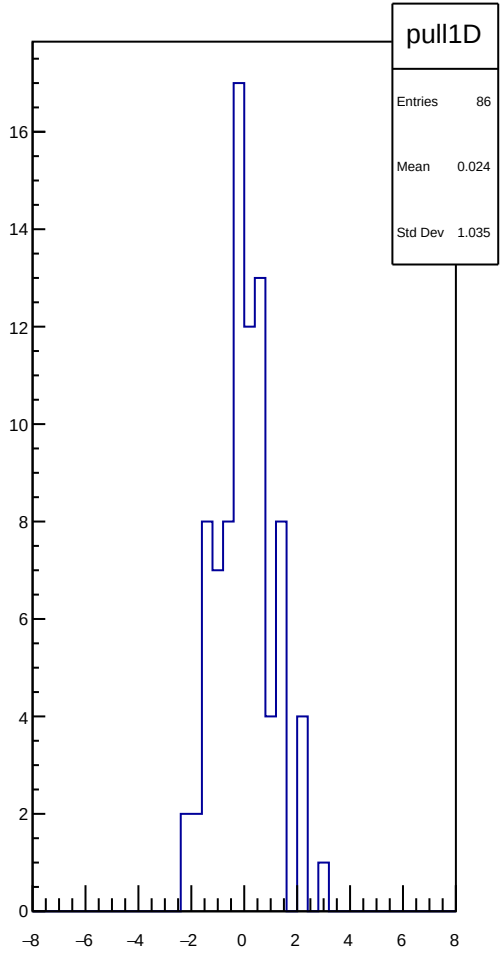

asym_atl2_dit_correction_rms vs run
χ^2 / ndf 7702 / 85
p0 1.263e+04 ± 9.84
15000
14000
13000
12000
11000

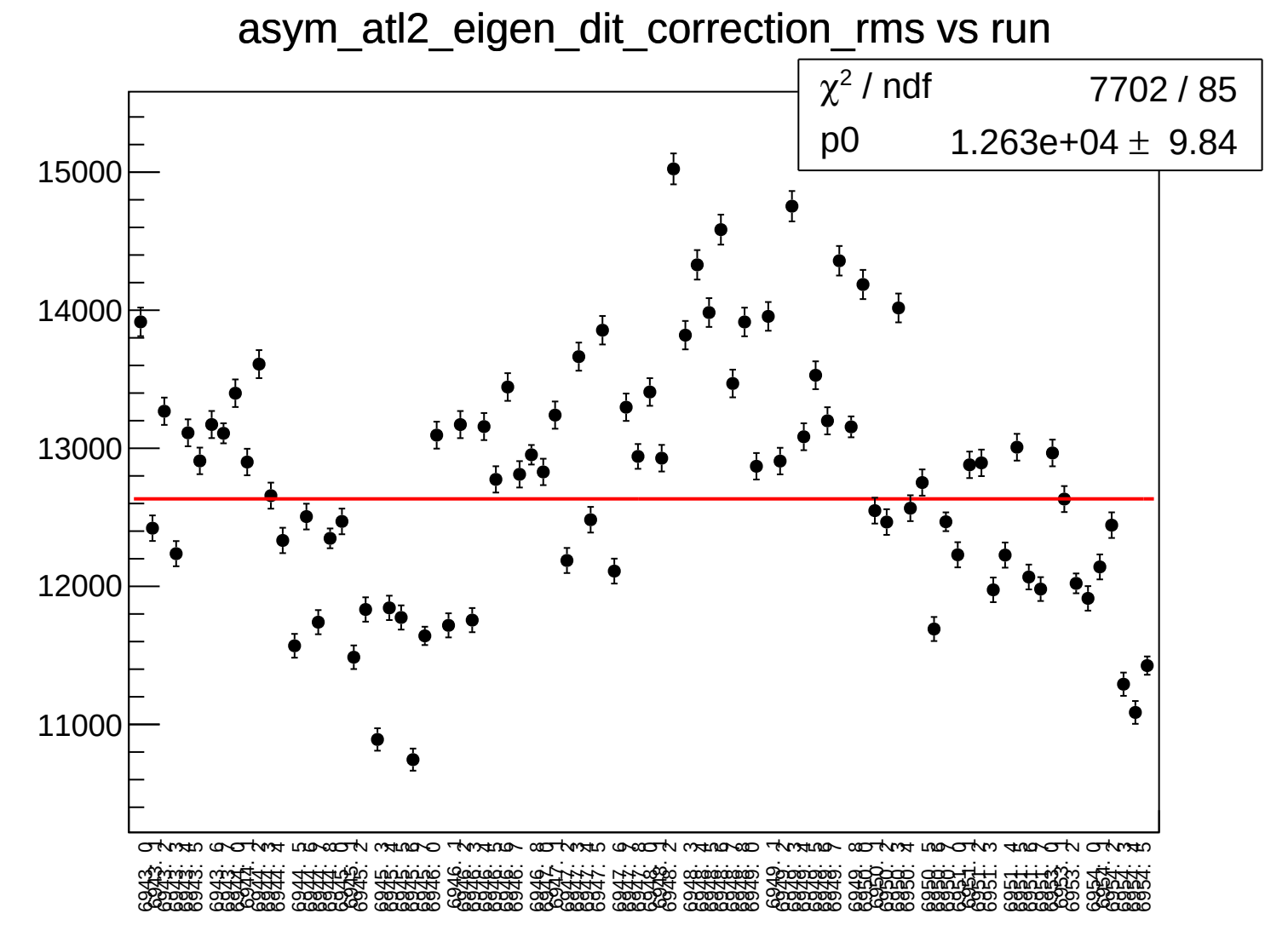

eigen_dit_asym_atl2_mean vs run
χ² / ndf 93.17 / 85
p0 126 ± 2962
pull
Entries 86
Mean −233.8
Std Dev 0

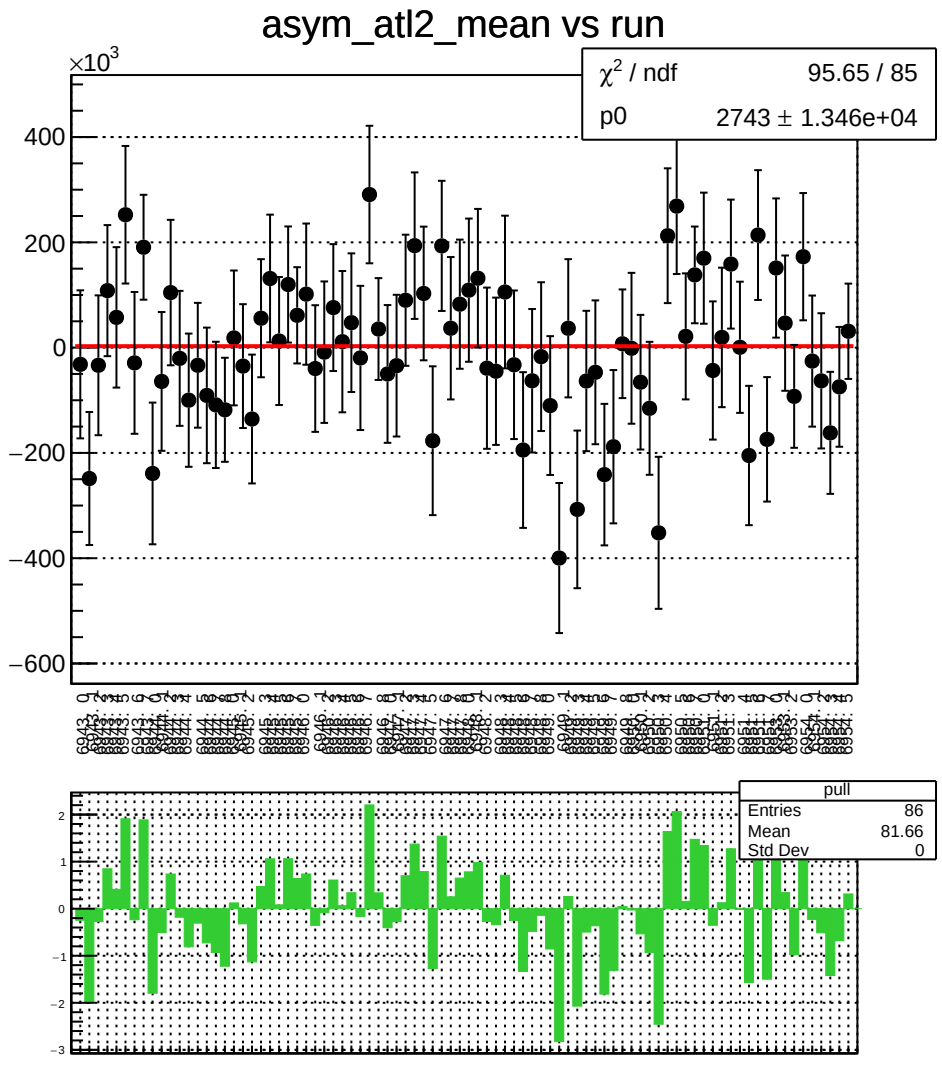

pull1D
Entries 86
Mean −0.01433
Std Dev 1.041

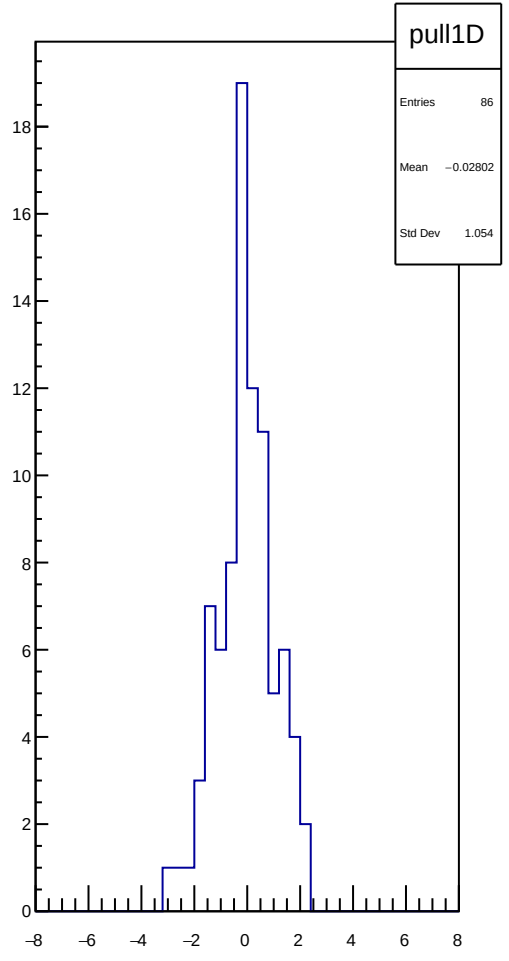

eigen_dit_asym_atl2_rms vs run
χ² / ndf 161.3 / 85
p0 2695 ± 2.094
2800
2750
2700
2650
2600

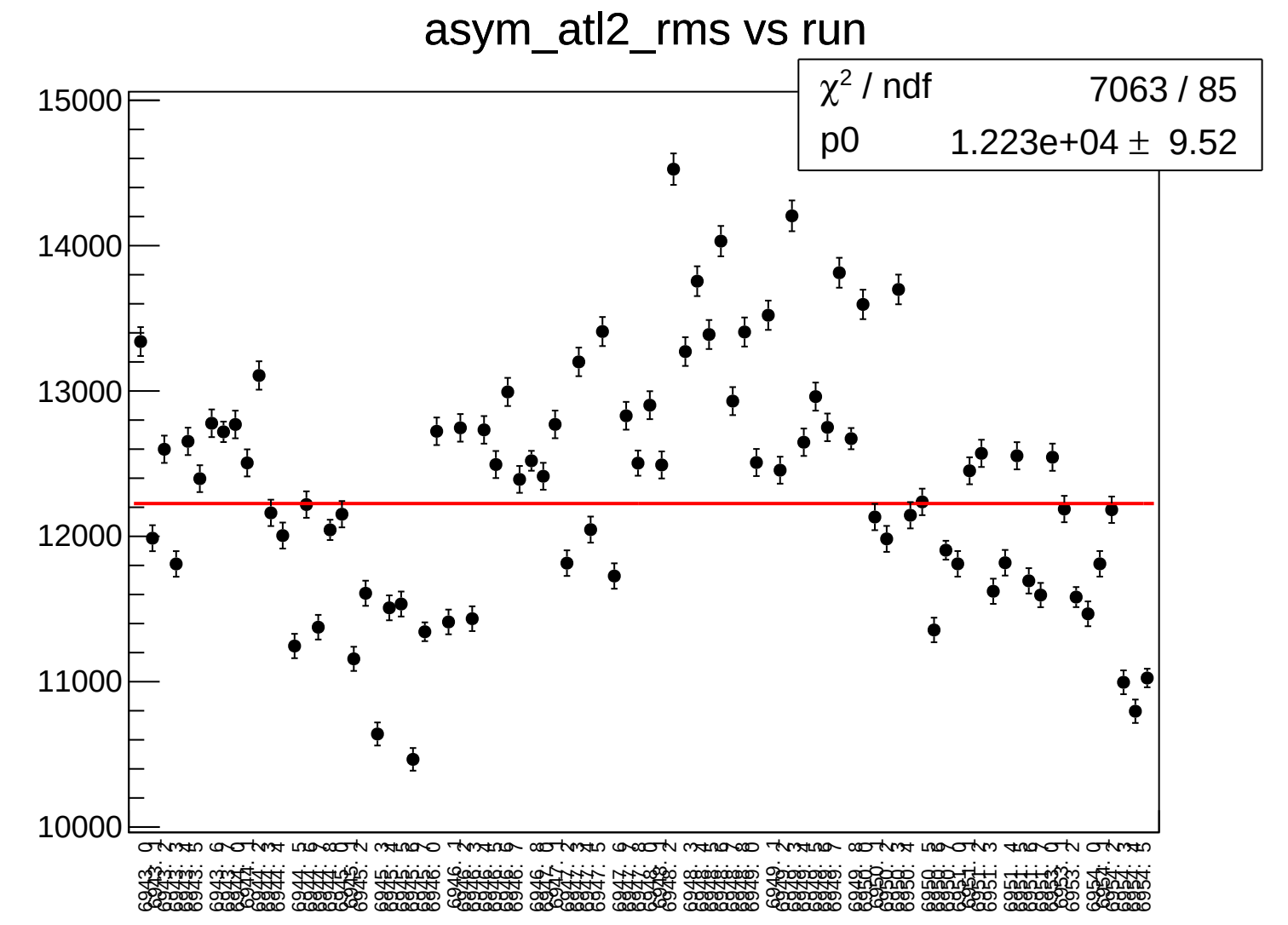

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.2 / 85
p0 −2620 ± 1.392e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2

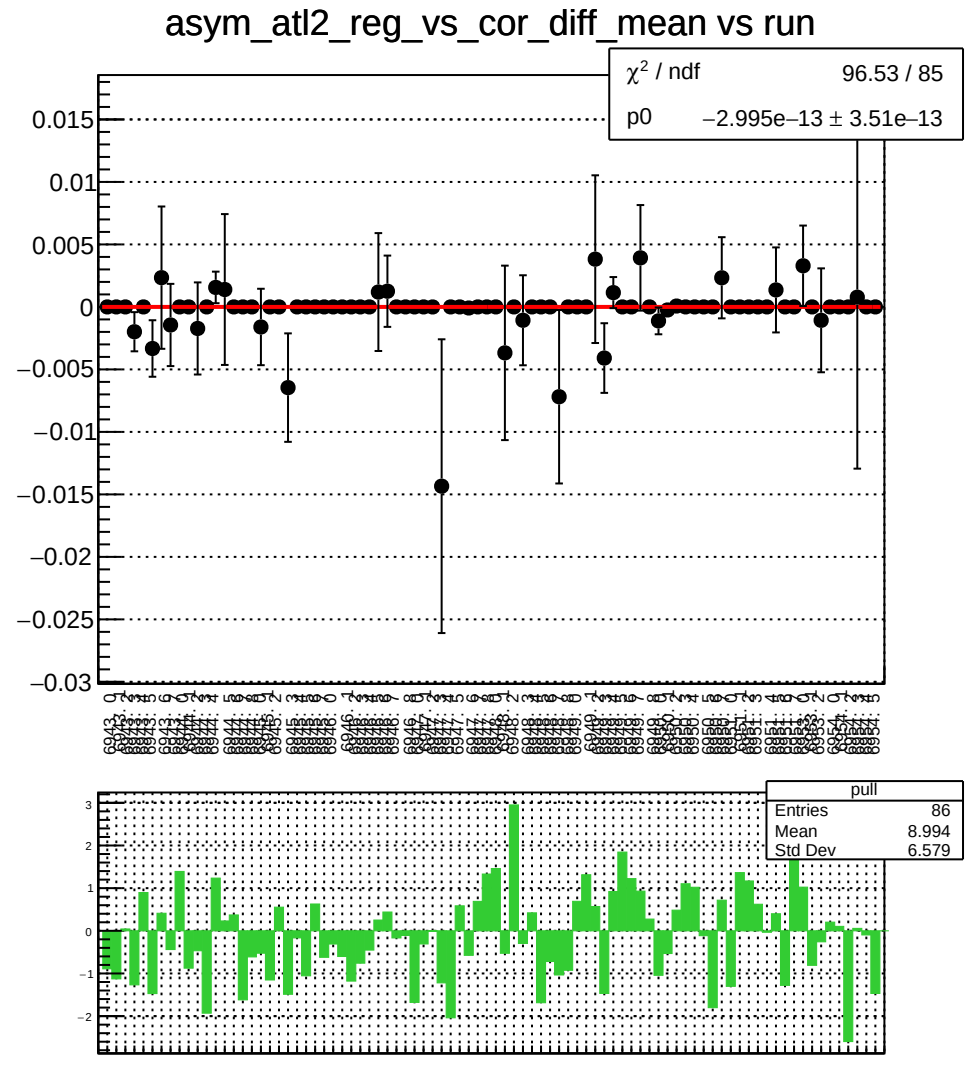

pull1D
Entries 86
Mean 0.024
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

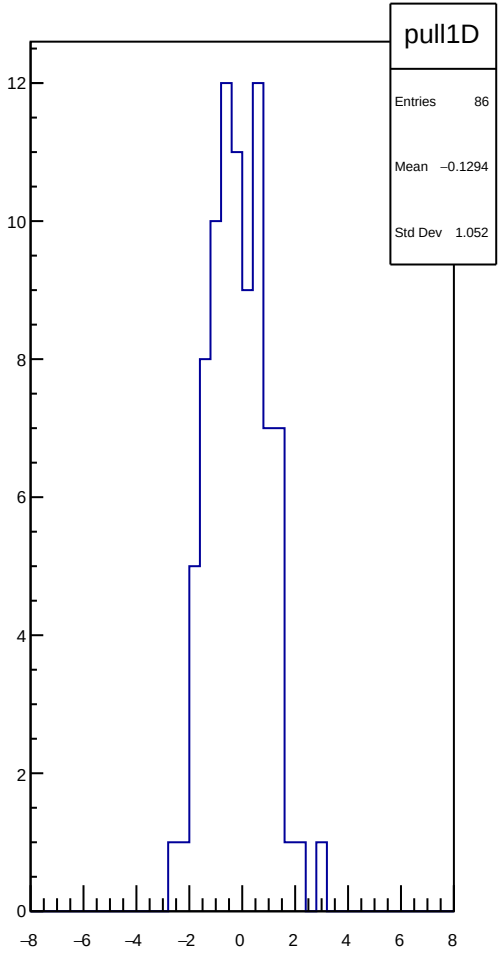

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 7702 / 85
p0 1.263e+04 ± 9.84
15000
14000
13000
12000
11000

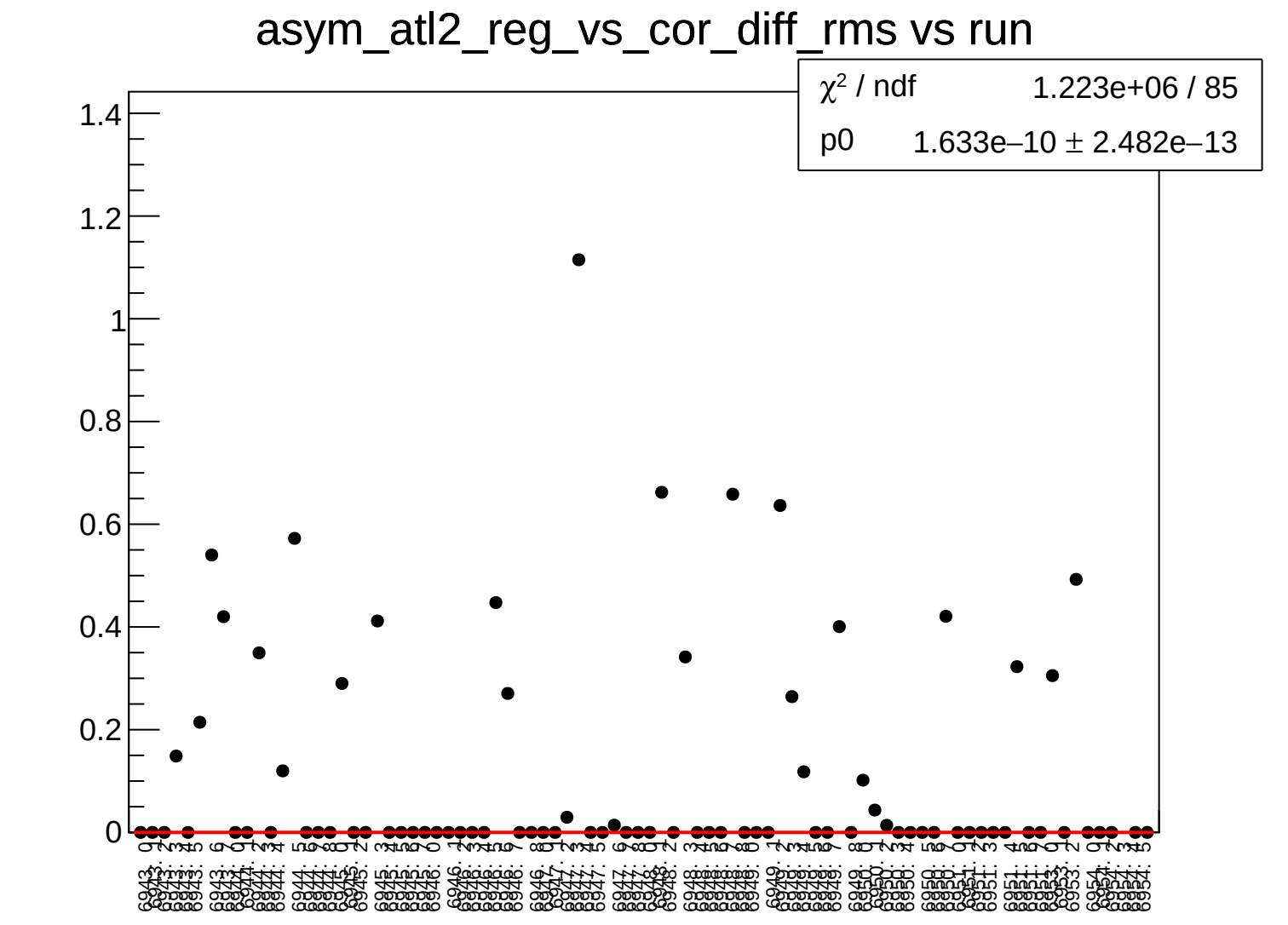

asym_atl2_mean vs run
×10^3
χ² / ndf 95.65 / 85
p0 2743 ± 1.346e+04
pull
Entries 86
Mean 81.66
Std Dev 0

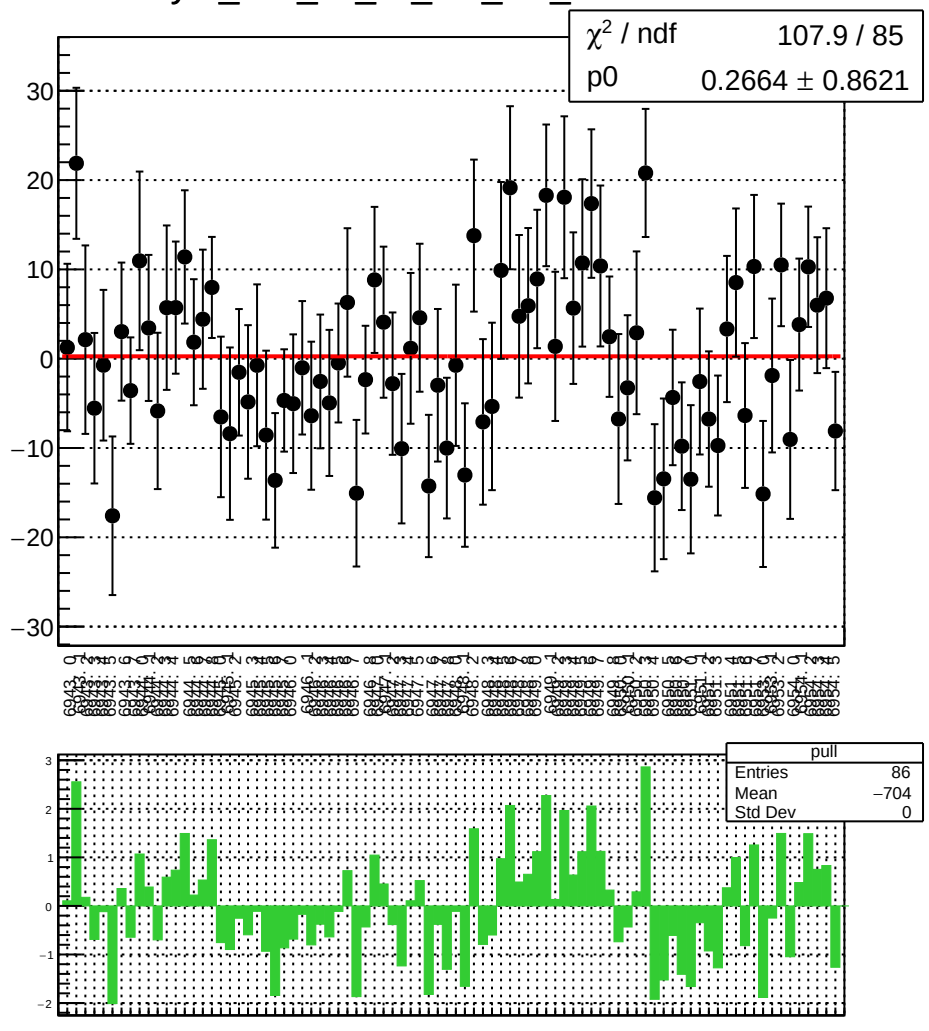

pull1D
Entries 86
Mean −0.02802
Std Dev 1.054

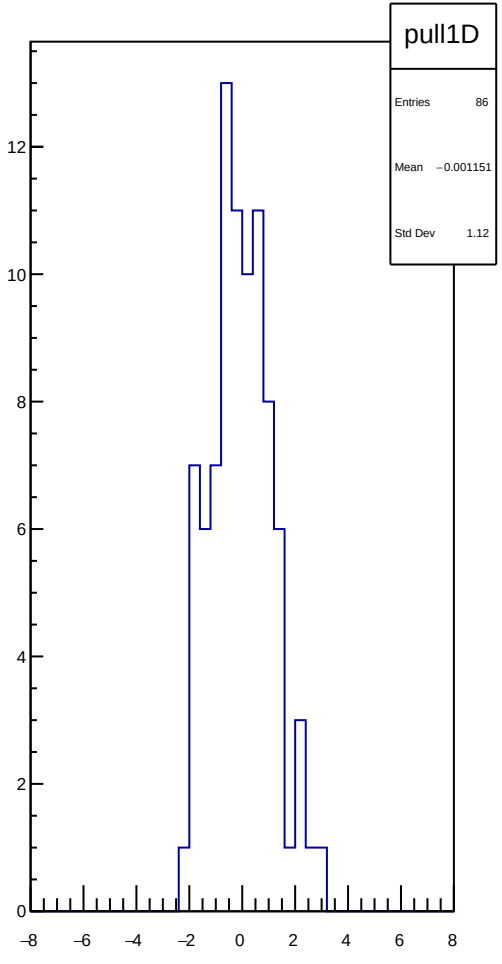

asym_atl2_rms vs run
χ² / ndf 7063 / 85
p0 1.223e+04 ± 9.52
15000
14000
13000
12000
11000
10000

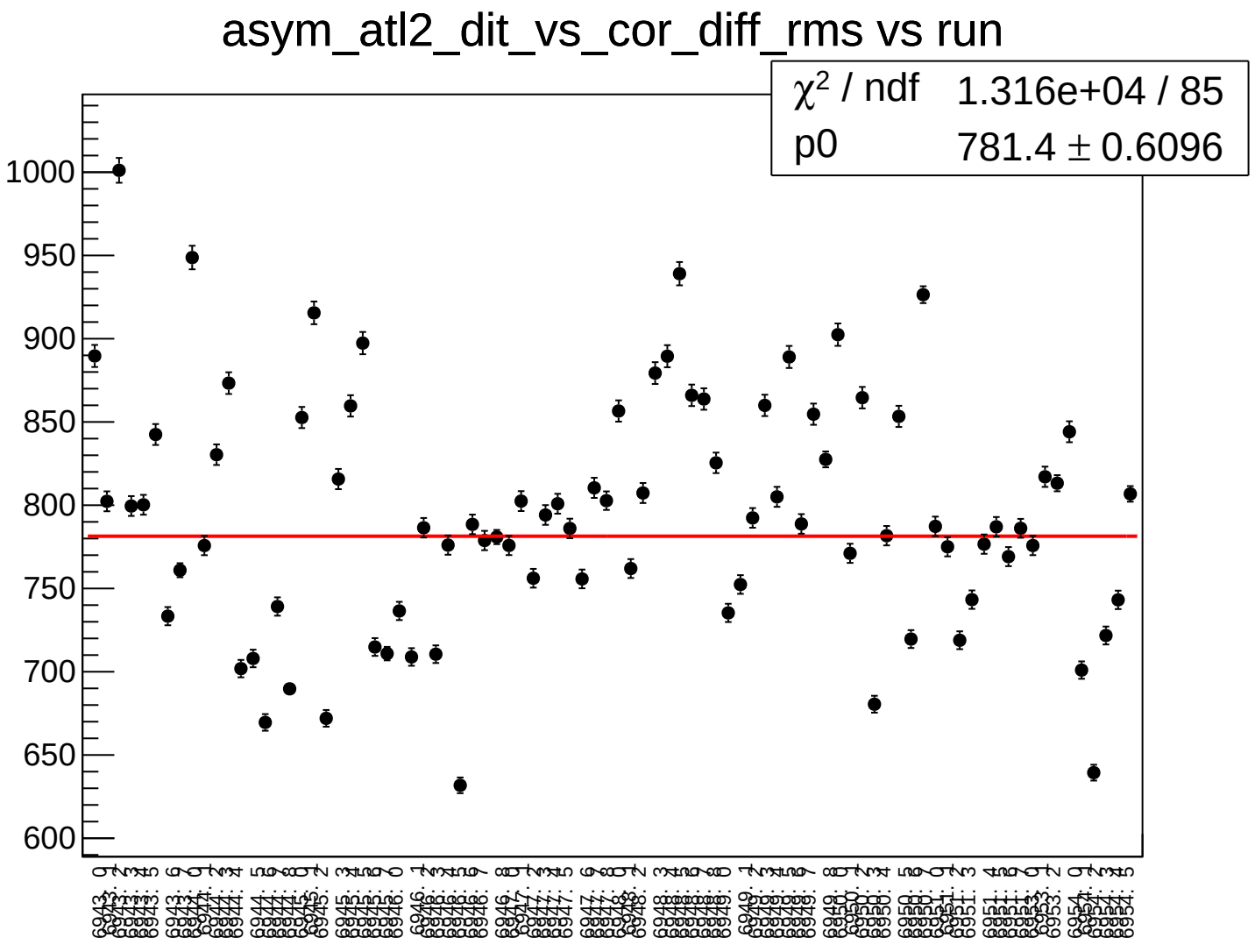

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 96.53 / 85
p0 −2.995e−13 ± 3.51e−13
pull
Entries 86
Mean 8.994
Std Dev 6.579

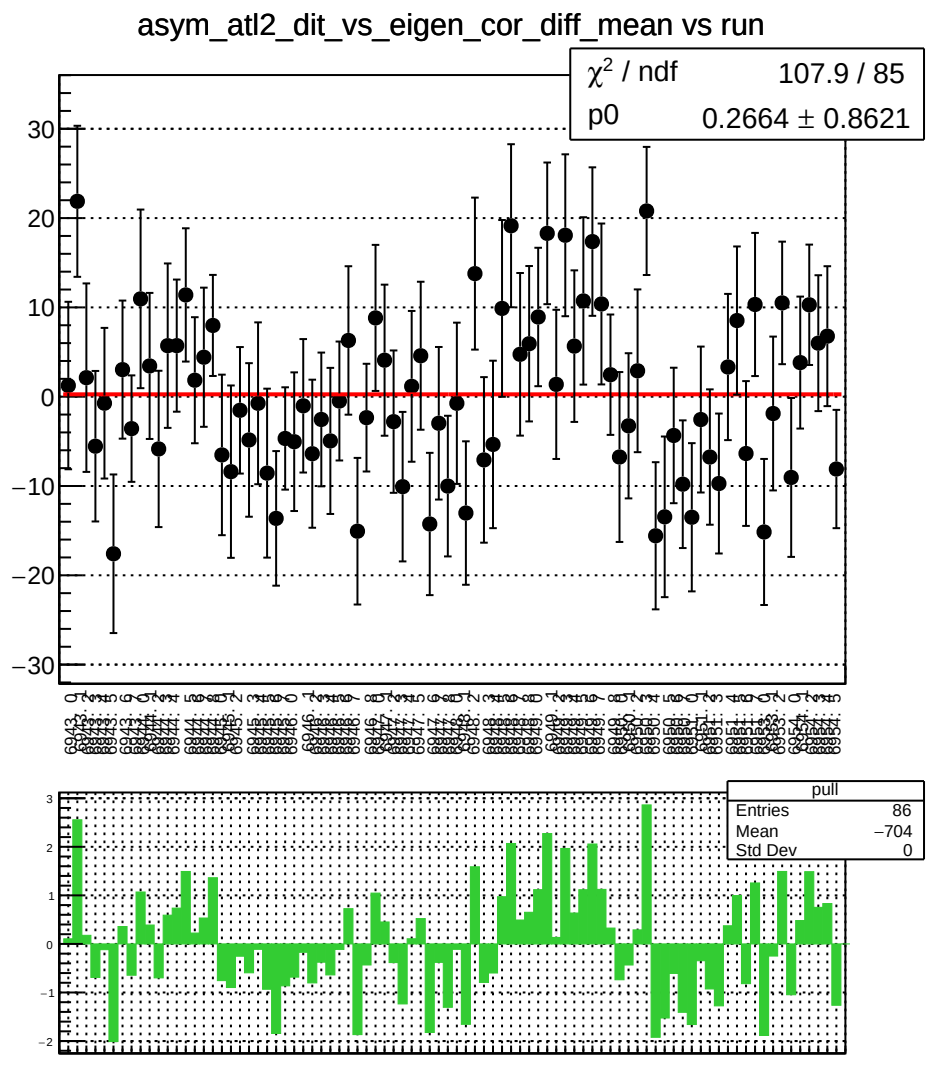

pull1D
Entries 86
Mean −0.1294
Std Dev 1.052

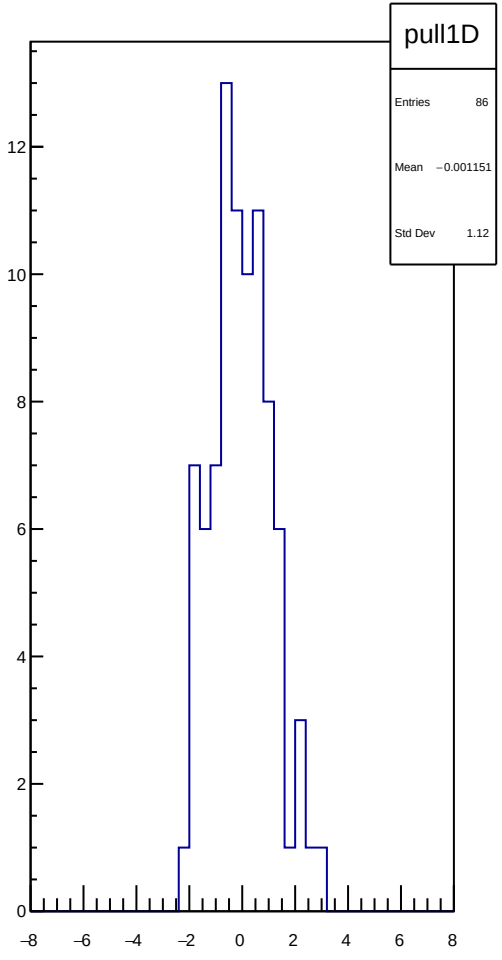

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.223e+06 / 85
p0 1.633e−10 ± 2.482e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

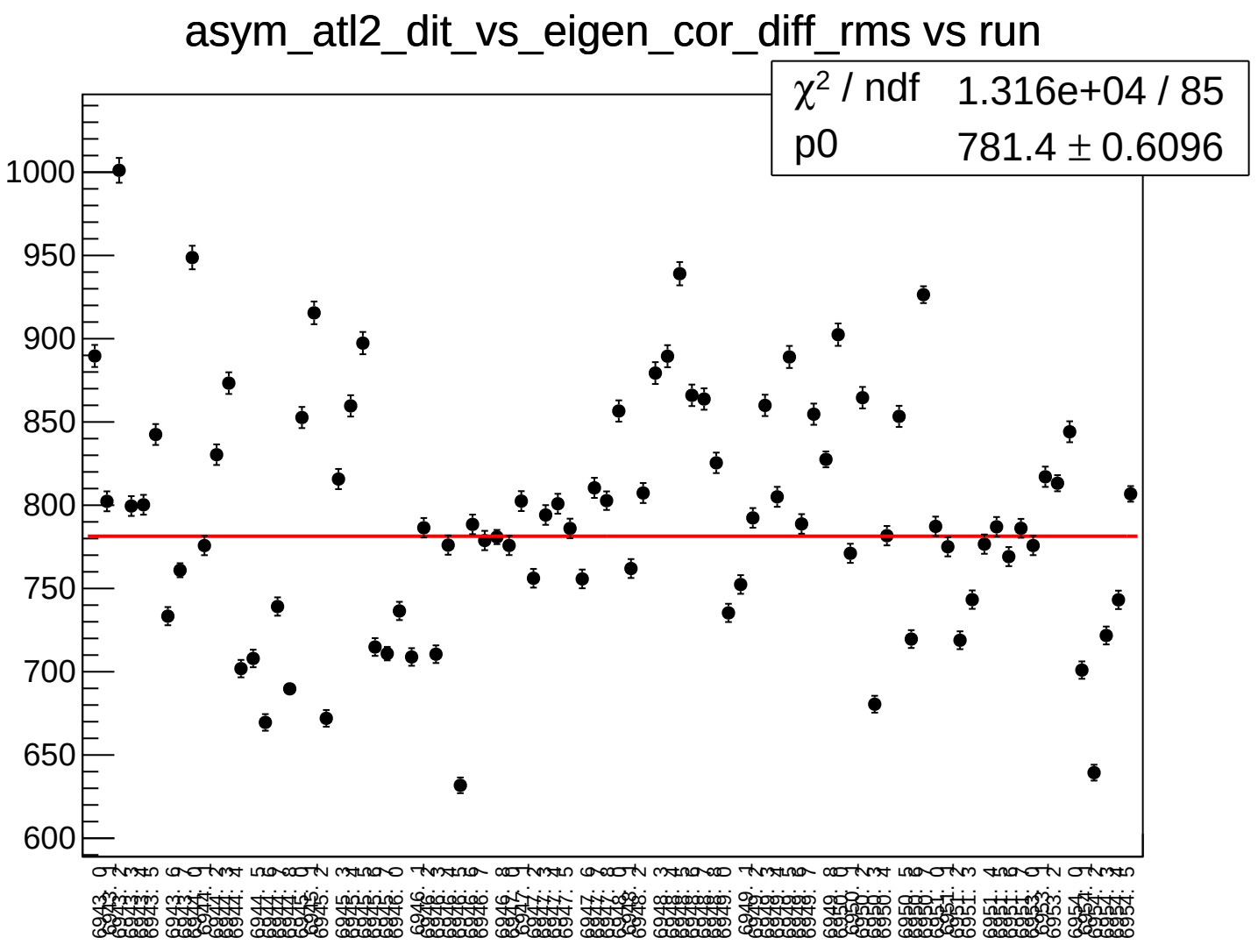

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 107.9 / 85
p0 0.2664 ± 0.8621
pull
Entries 86
Mean −704
Std Dev 0

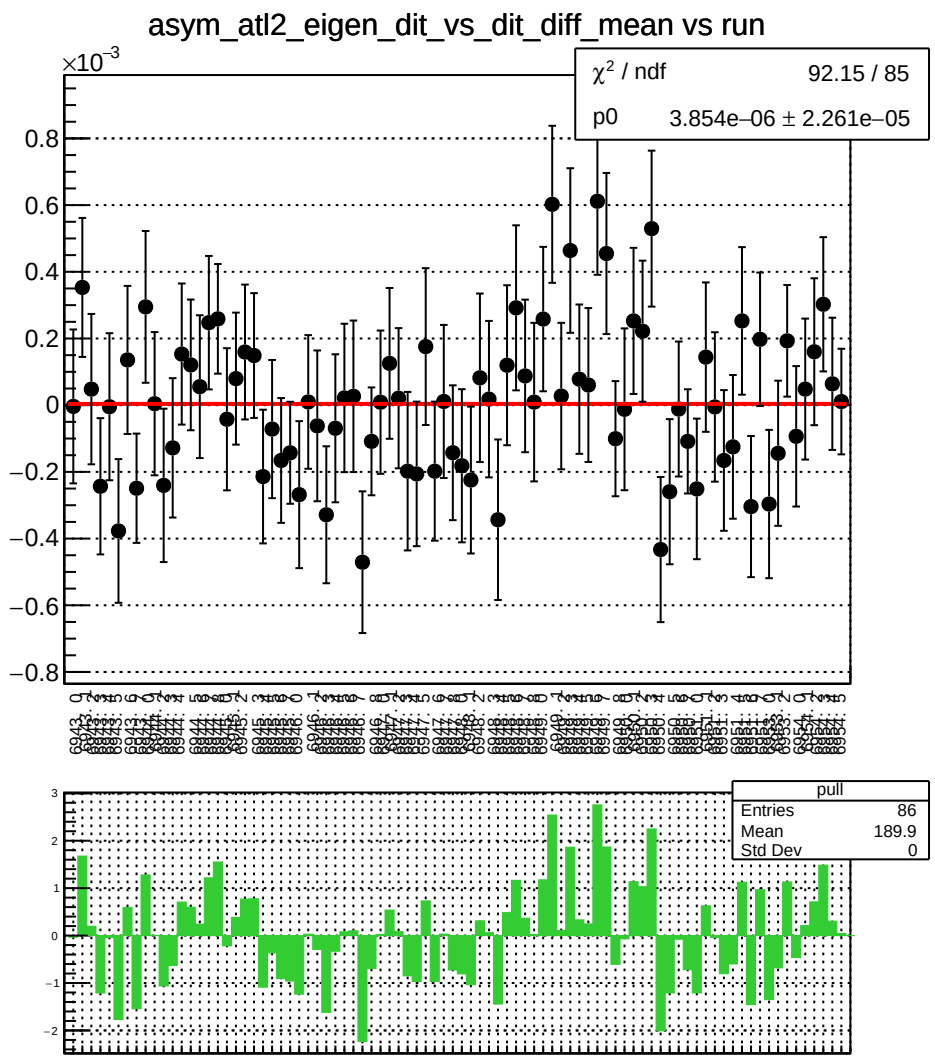

pull1D
Entries 86
Mean −0.001151
Std Dev 1.12

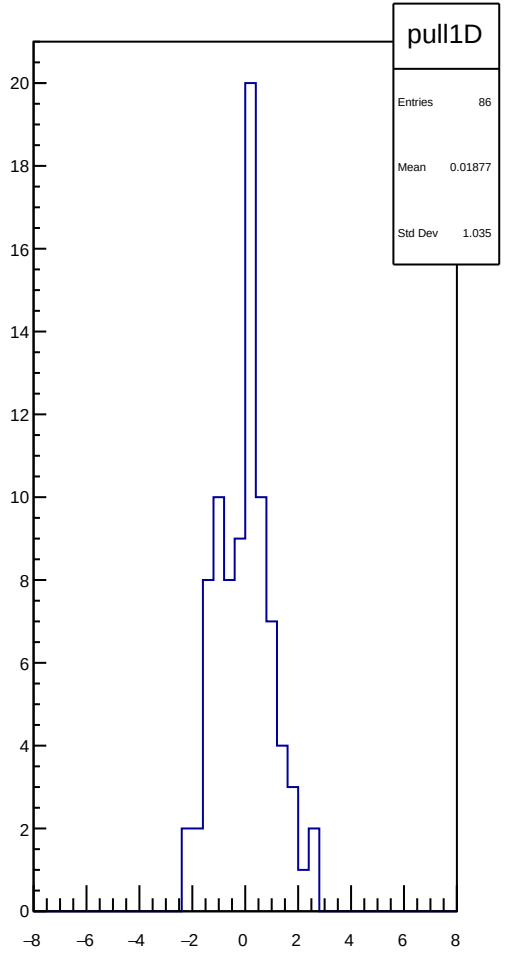

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.316e+04 / 85
p0 781.4 ± 0.6096
1000
950
900
850
800
750
700
650
600

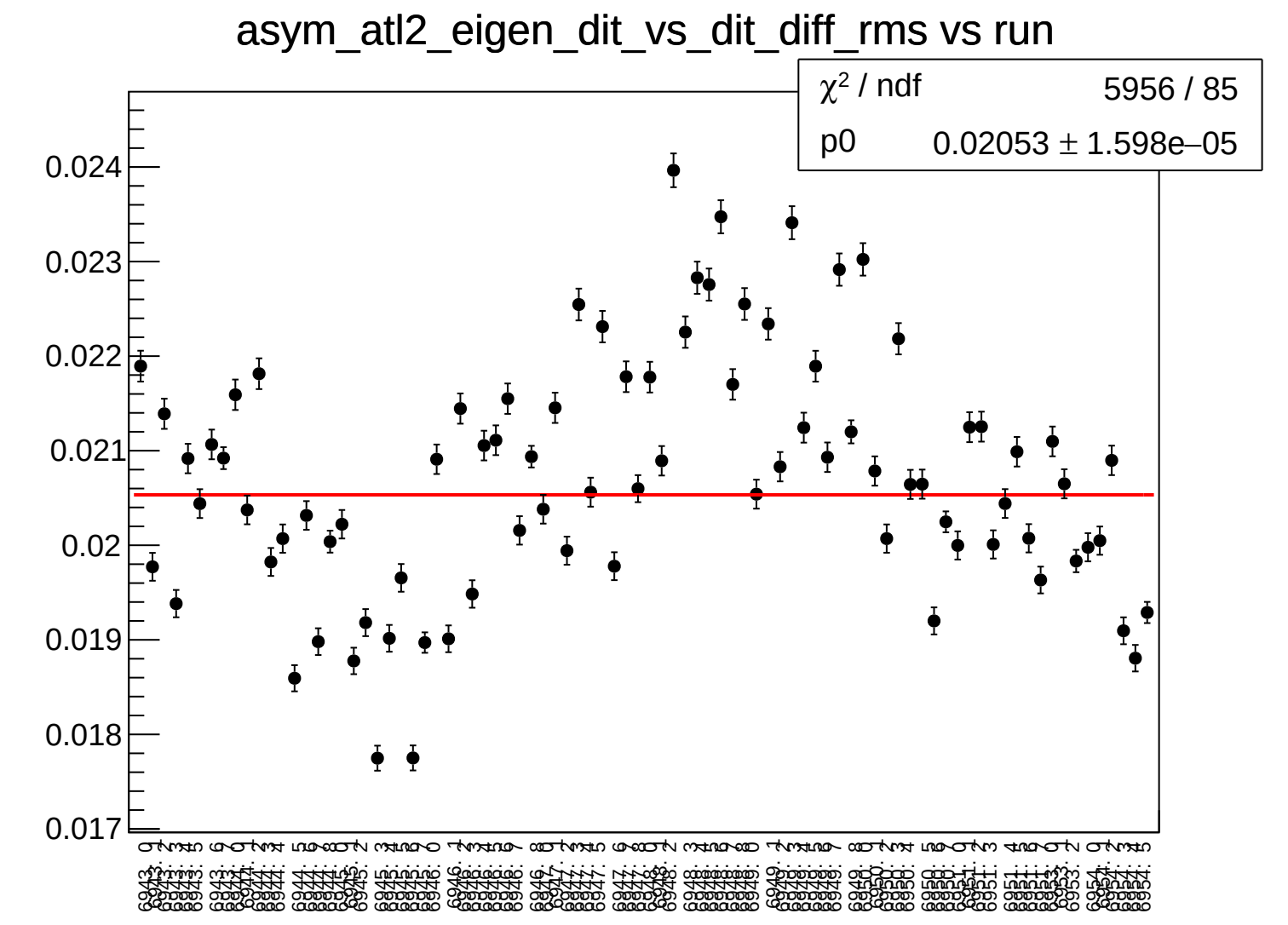

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.9 / 85
p0 0.2664 ± 0.8621
pull
Entries 86
Mean −704
Std Dev 0

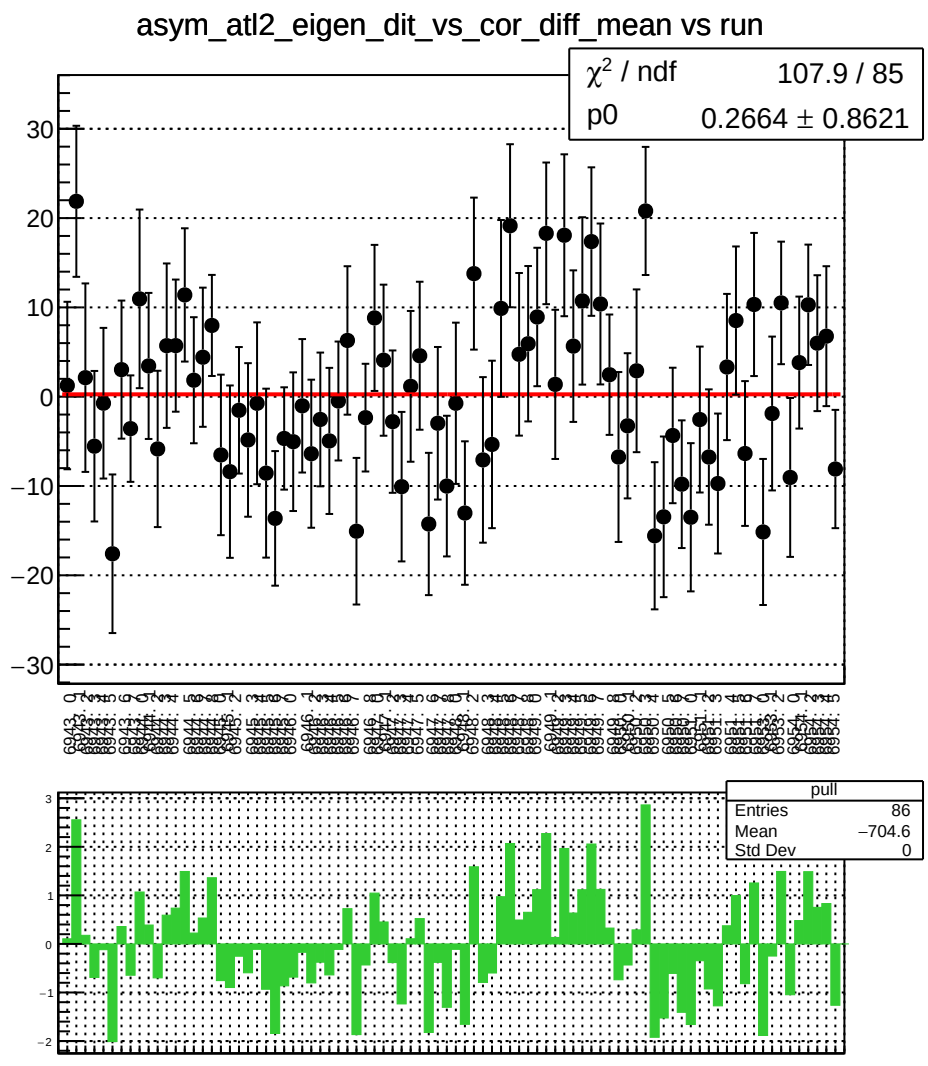

pull1D
Entries 86
Mean −0.001151
Std Dev 1.12

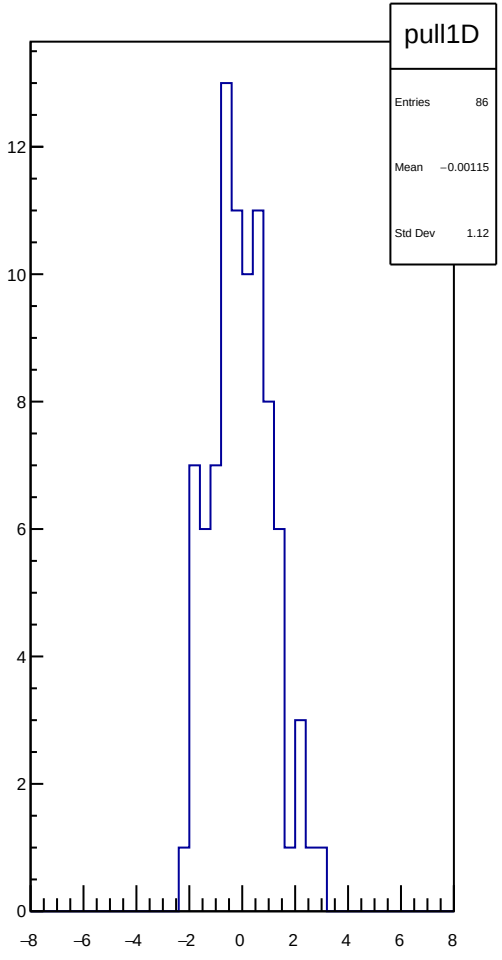

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.316e+04 / 85
p0 781.4 ± 0.6096
1000
950
900
850
800
750
700
650
600

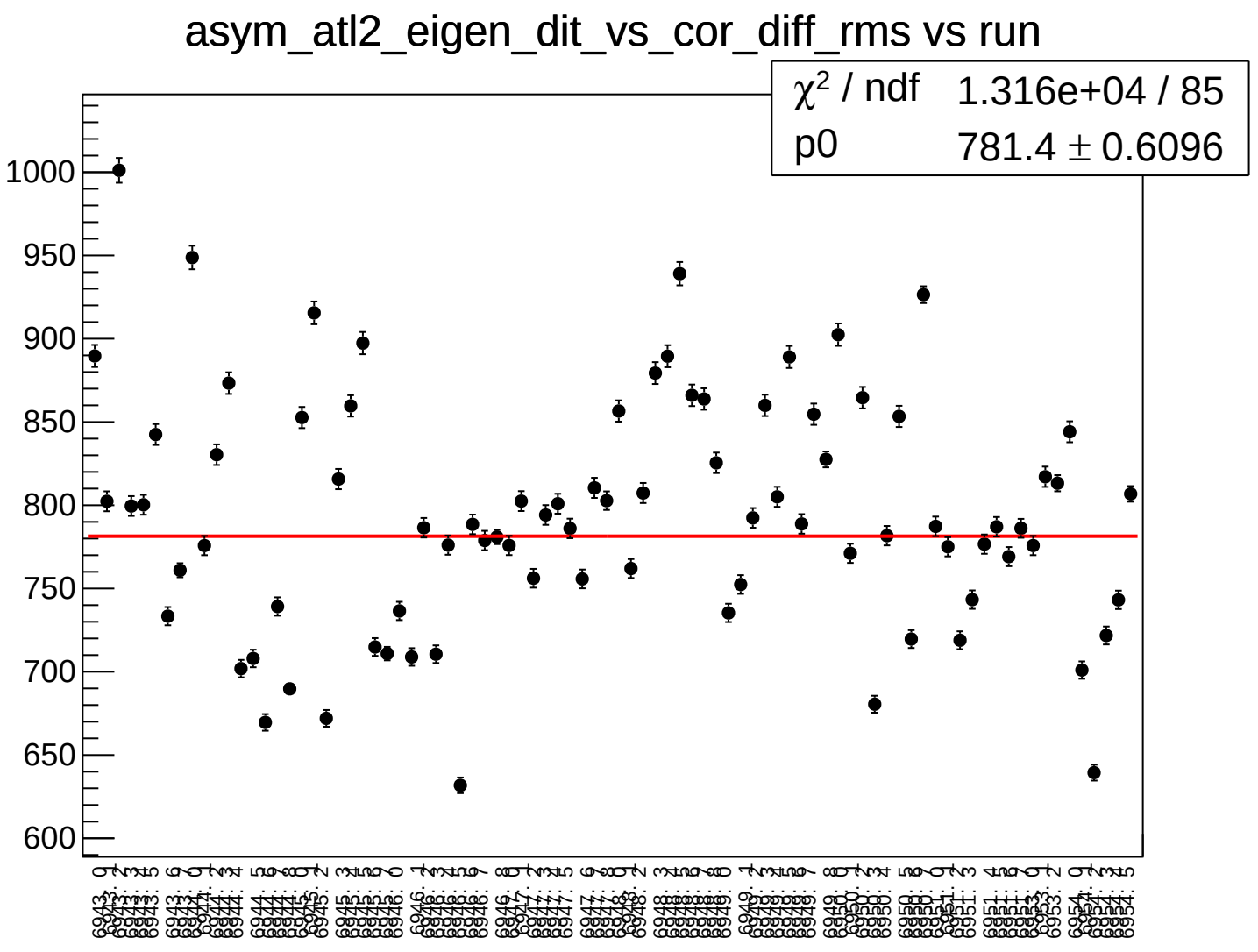

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.15 / 85
p0 3.854e−06 ± 2.261e−05
pull
Entries 86
Mean 189.9
Std Dev 0

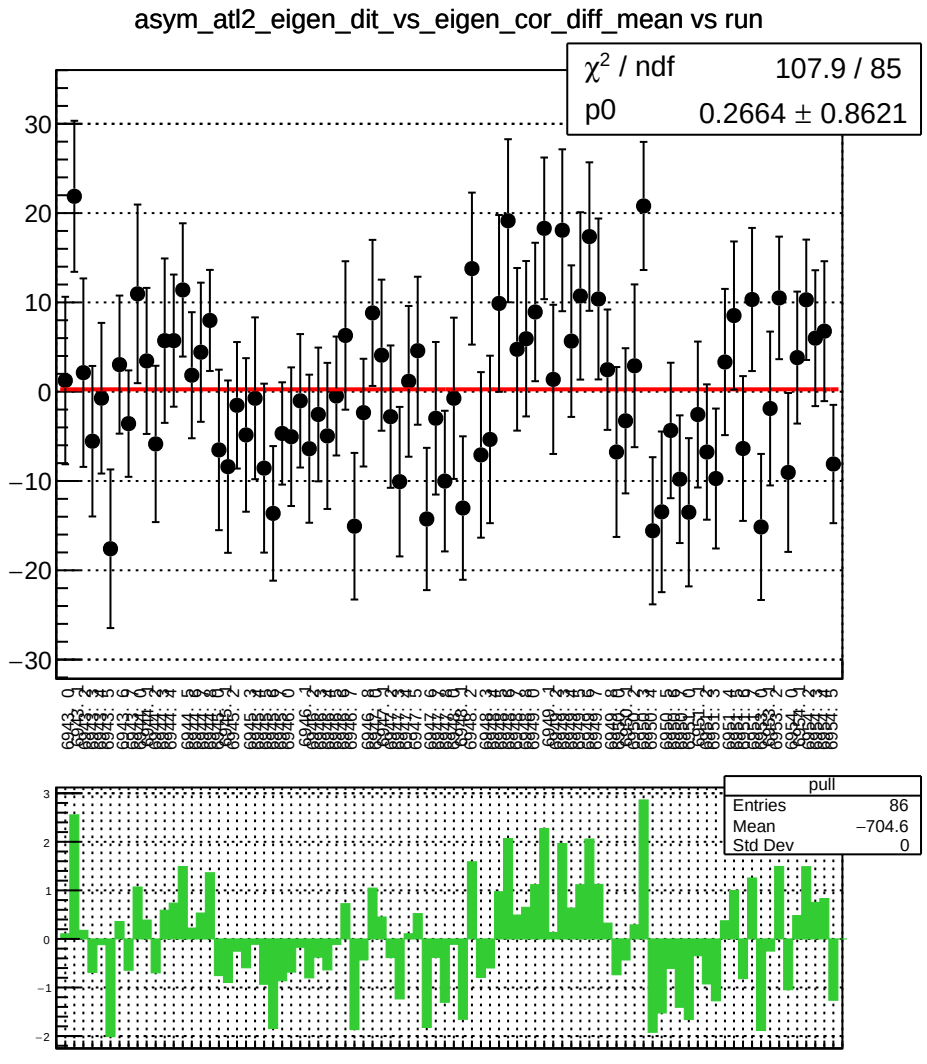

pull1D
Entries 86
Mean 0.01877
Std Dev 1.035

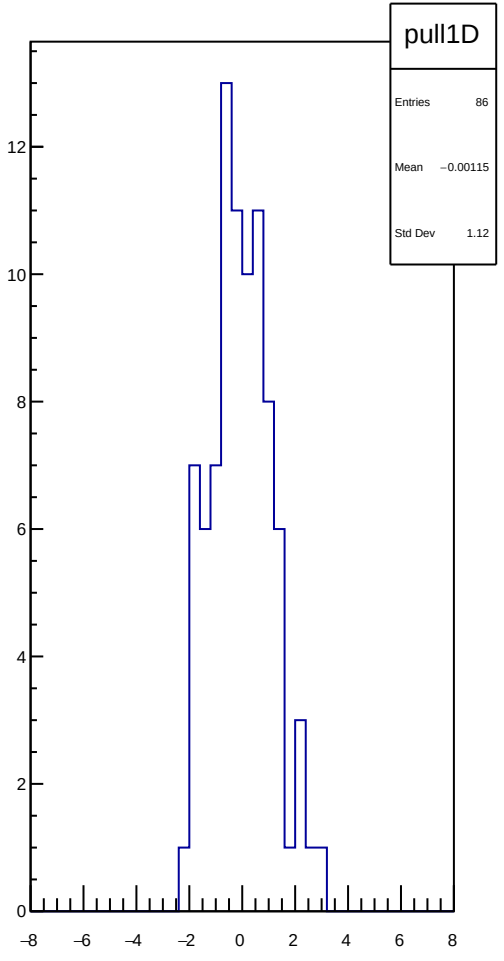

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5956 / 85
p0 0.02053 ± 1.598e–05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017

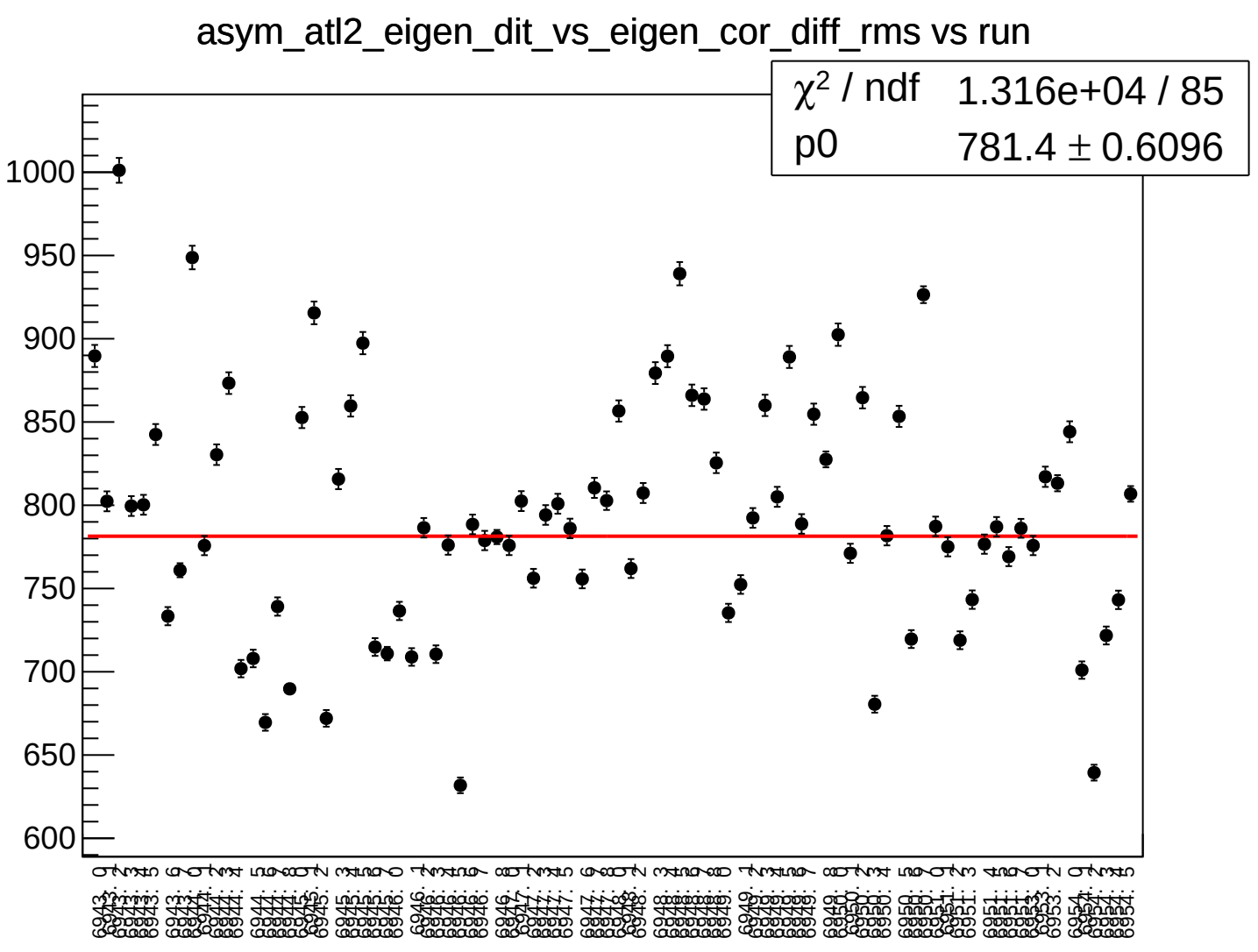

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 107.9 / 85
p0 0.2664 ± 0.8621
pull
Entries 86
Mean −704.6
Std Dev 0

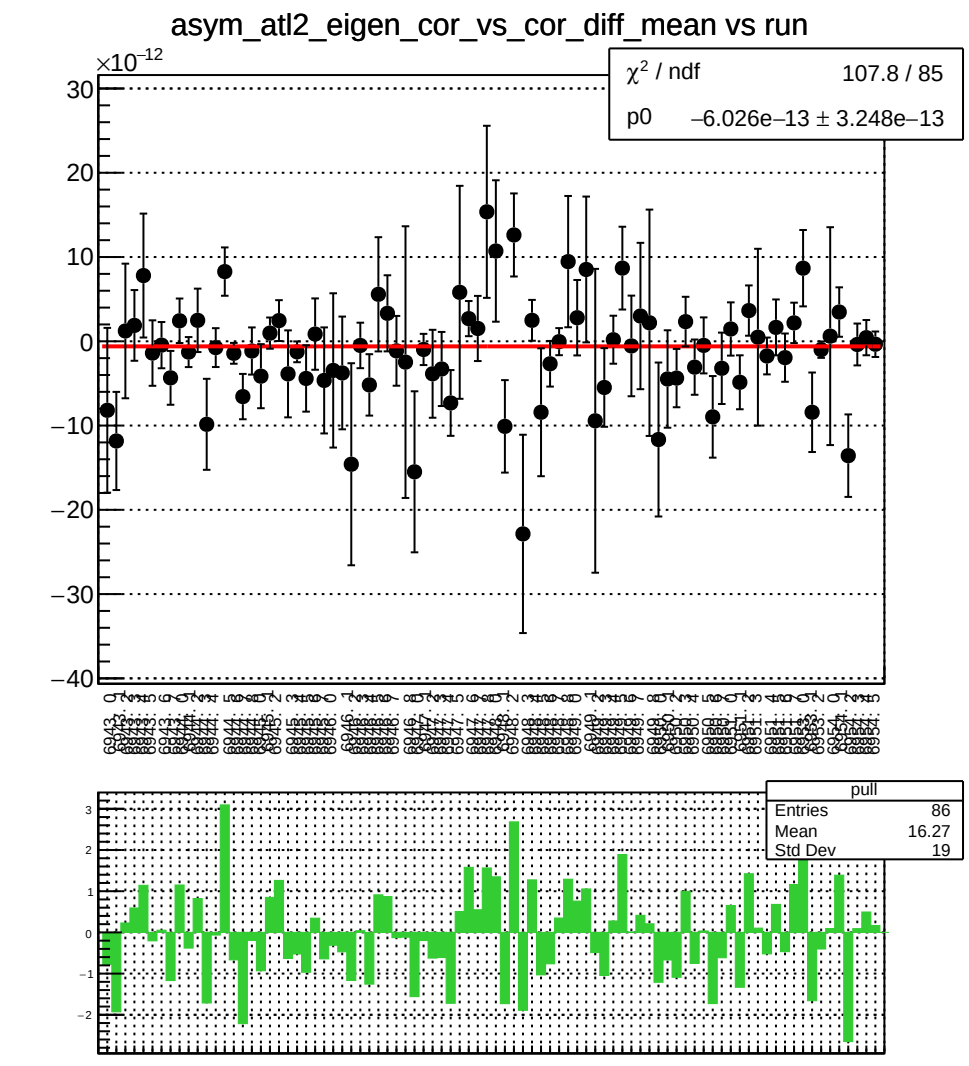

pull1D
Entries 86
Mean −0.00115
Std Dev 1.12

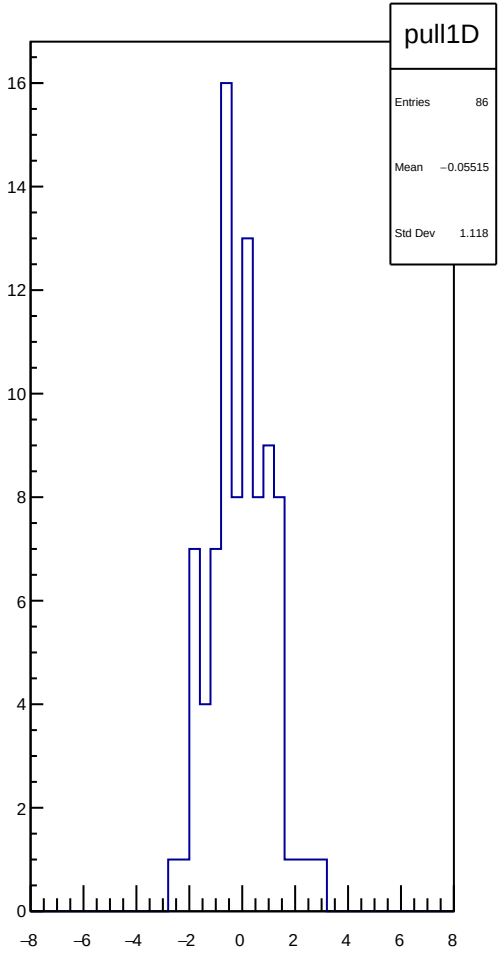

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.316e+04 / 85
p0 781.4 ± 0.6096
1000
950
900
850
800
750
700
650
600

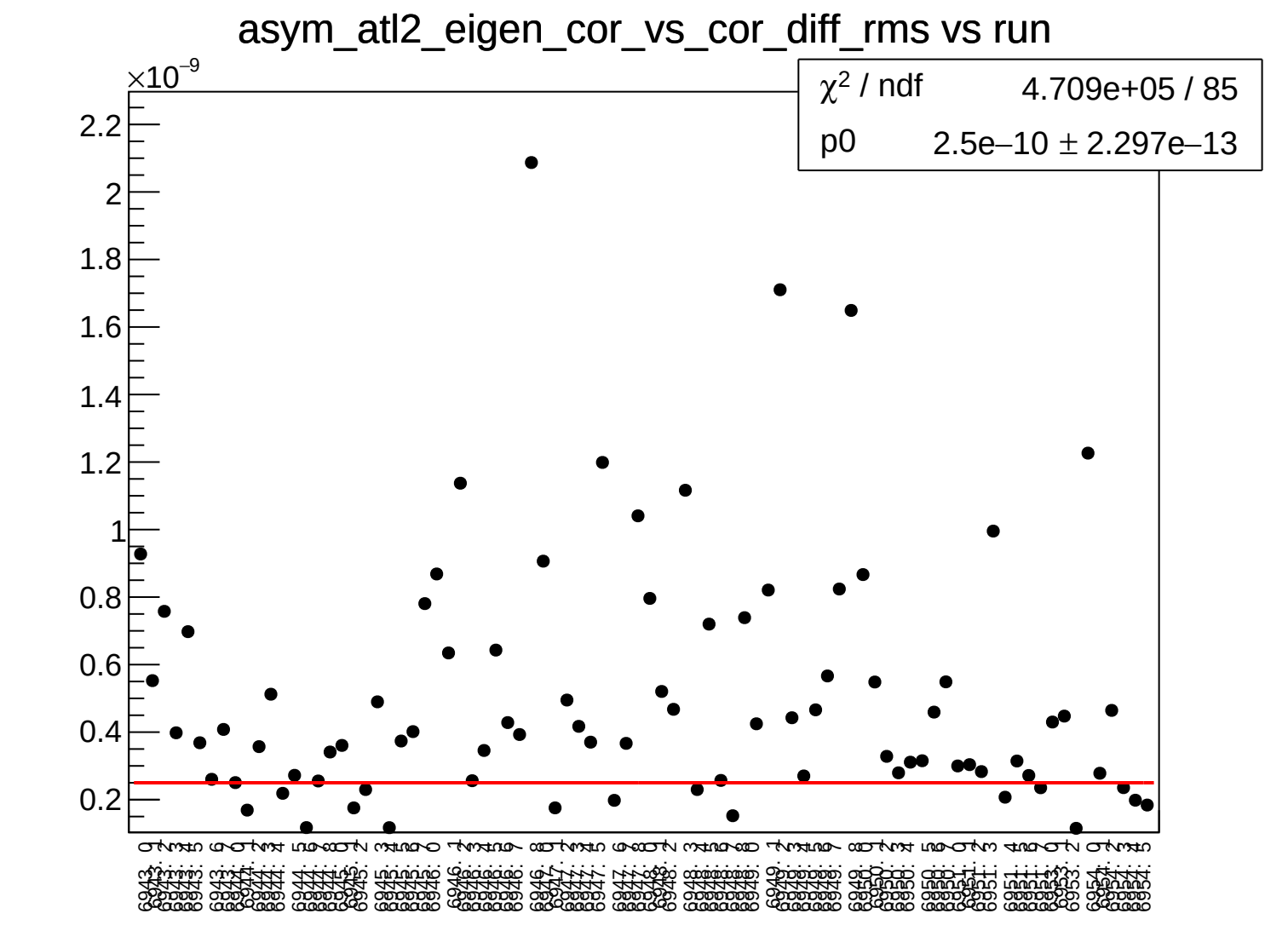

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.9 / 85
p0 0.2664 ± 0.8621
pull
Entries 86
Mean −704.6
Std Dev 0

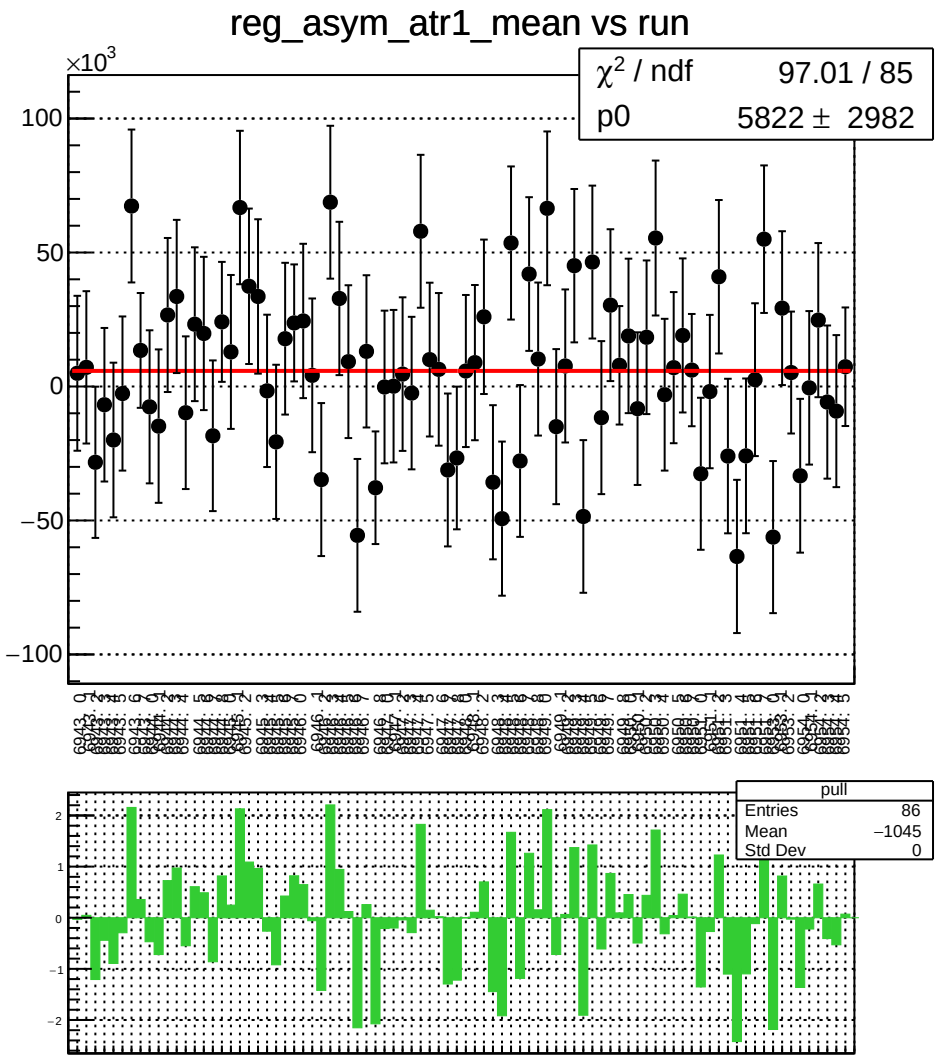

pull1D
Entries 86
Mean −0.00115
Std Dev 1.12

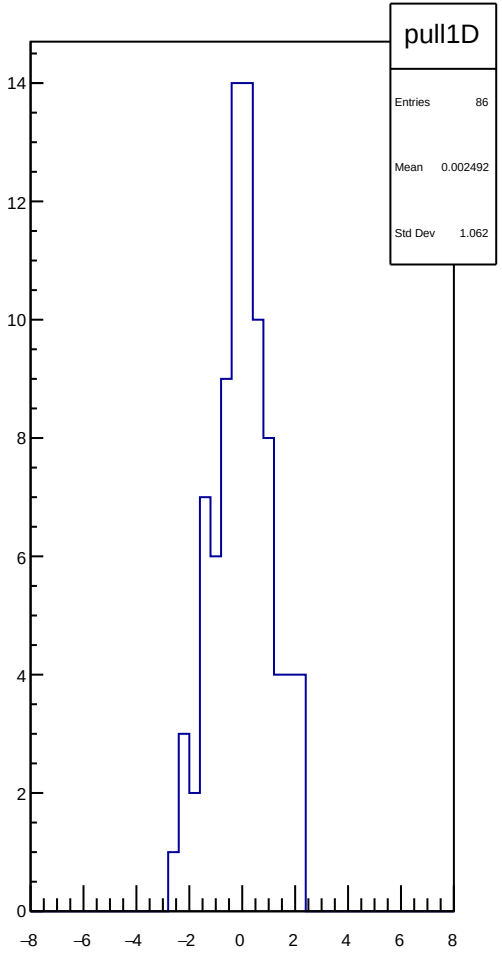

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.316e+04 / 85
p0 781.4 ± 0.6096
1000
950
900
850
800
750
700
650
600

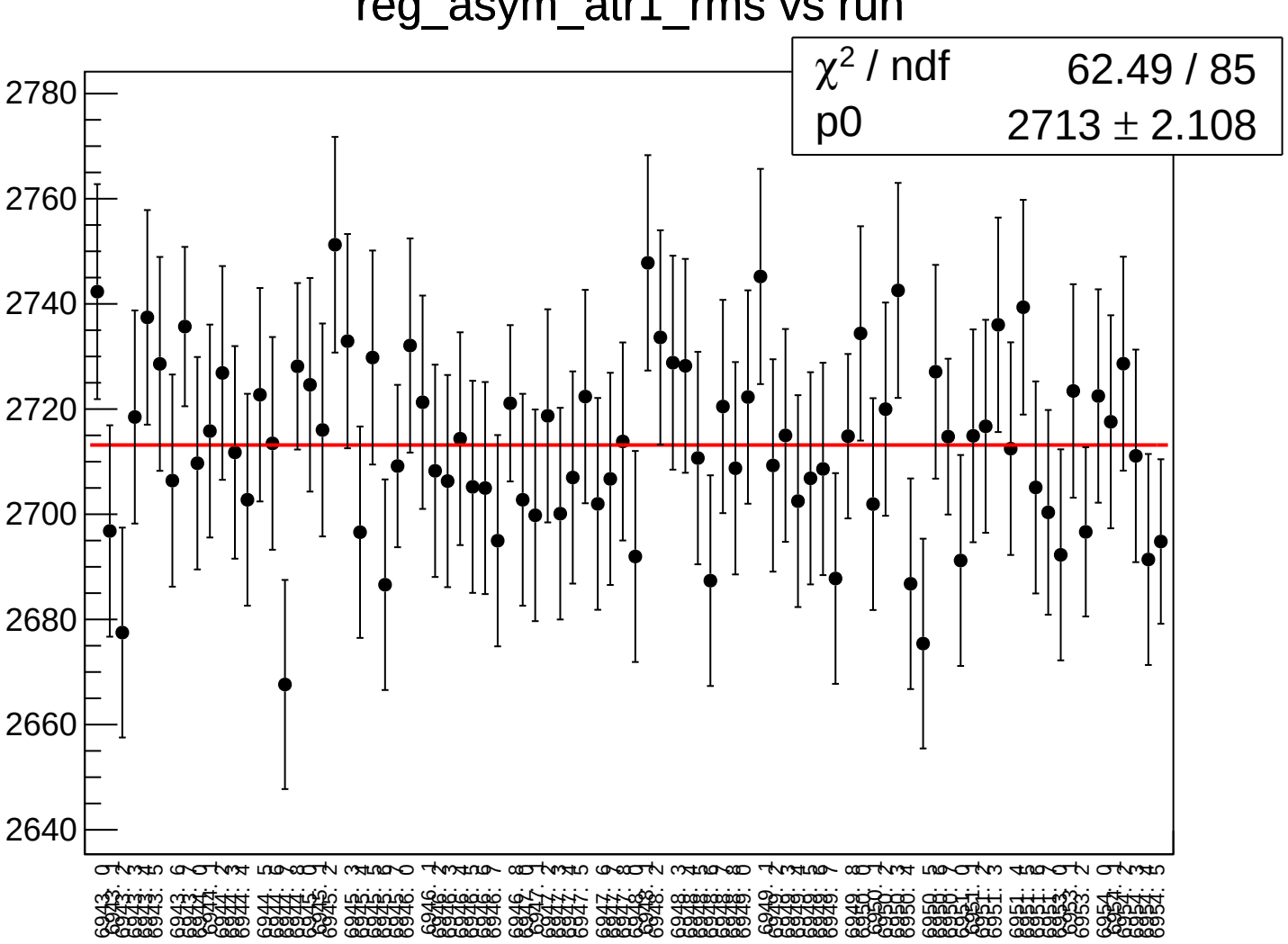

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107.8 / 85
p0 −6.026e−13 ± 3.248e−13
pull
Entries 86
Mean 16.27
Std Dev 19

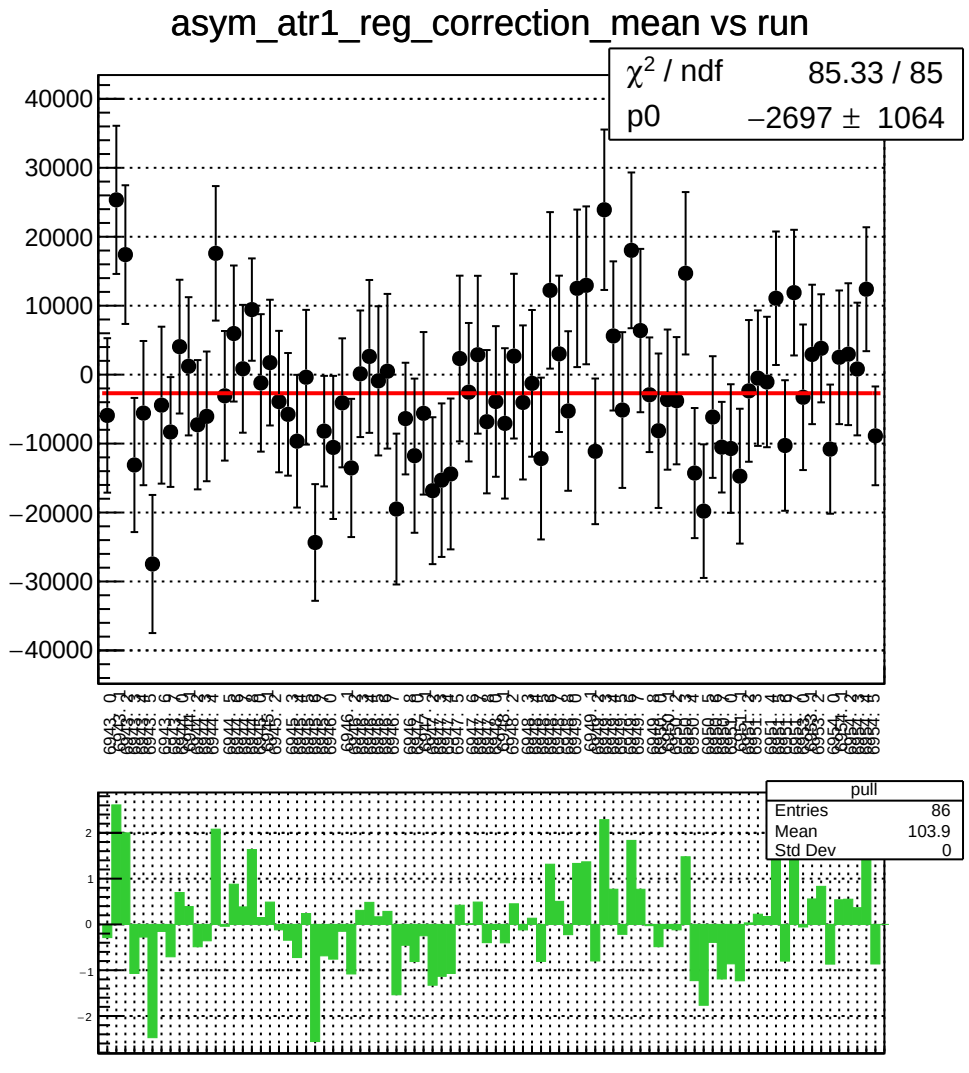

pull1D
Entries 86
Mean −0.05515
Std Dev 1.118

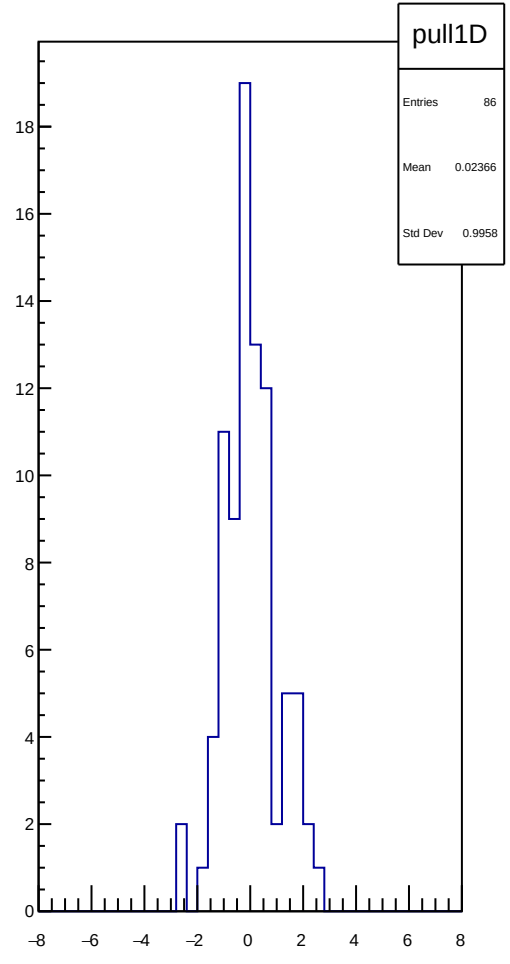

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.709e+05 / 85
p0 2.5e−10 ± 2.297e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

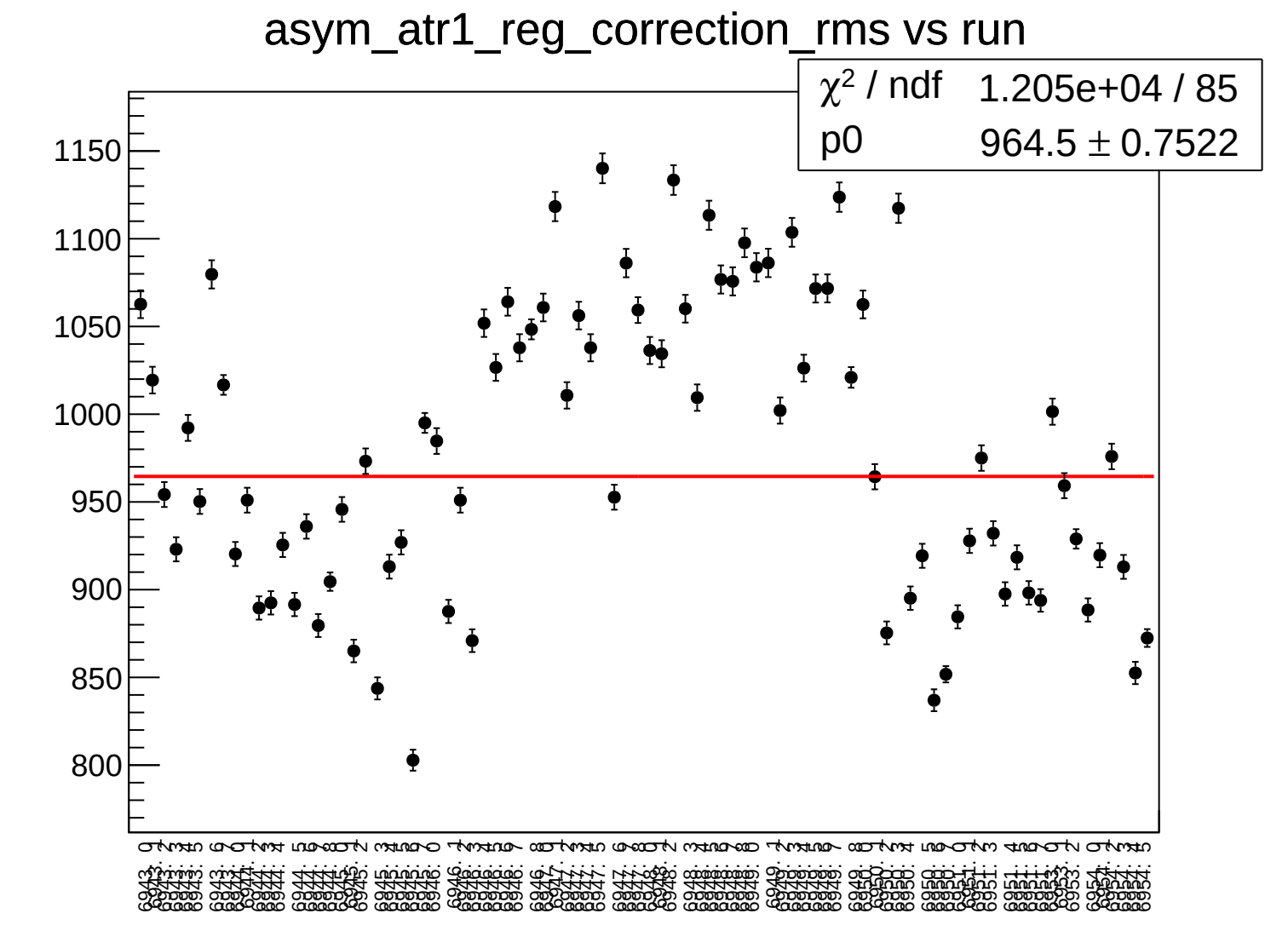

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 97.01 / 85
p0 5822 ± 2982
100
50
0
−50
−100
pull
Entries 86
Mean −1045
Std Dev 0
2
1
0
−1
−2

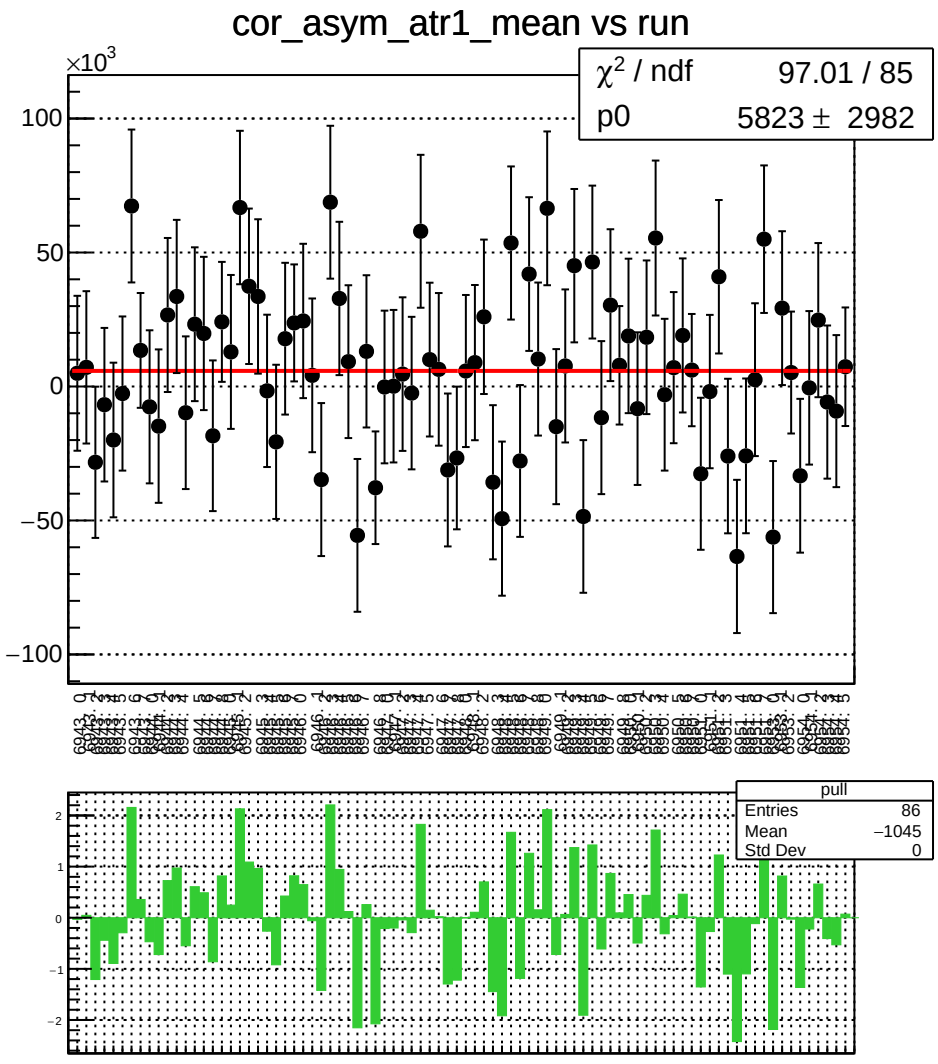

pull1D
Entries 86
Mean 0.002492
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

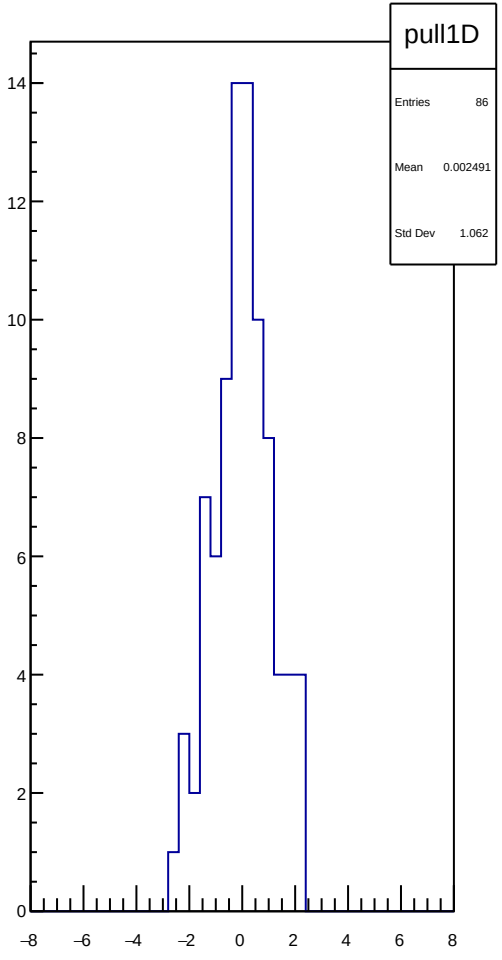

reg_asym_atr1_rms vs run
χ² / ndf 62.49 / 85
p0 2713 ± 2.108
2780
2760
2740
2720
2700
2680
2660
2640

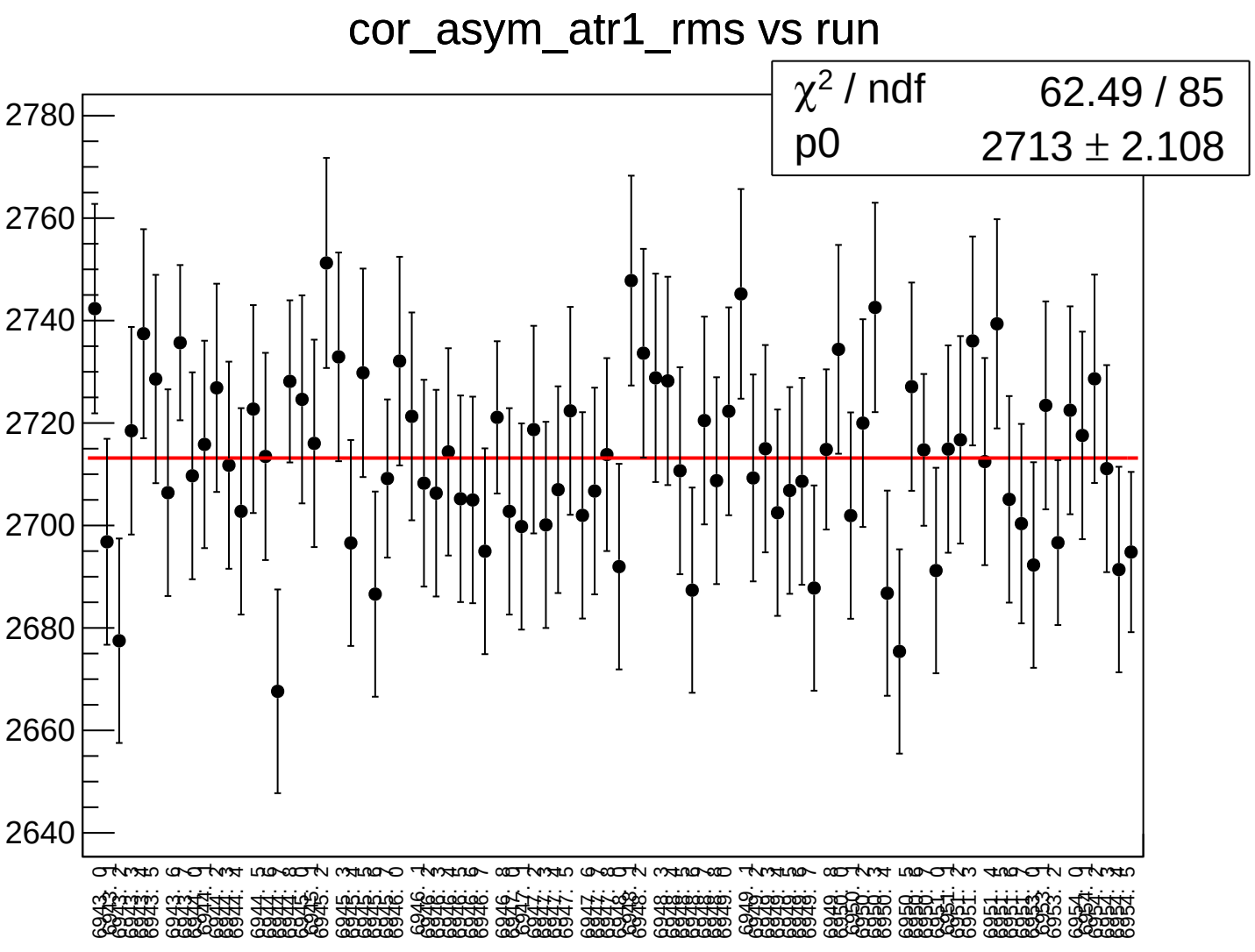

asym_atr1_reg_correction_mean vs run
χ² / ndf 85.33 / 85
p0 −2697 ± 1064
pull
Entries 86
Mean 103.9
Std Dev 0

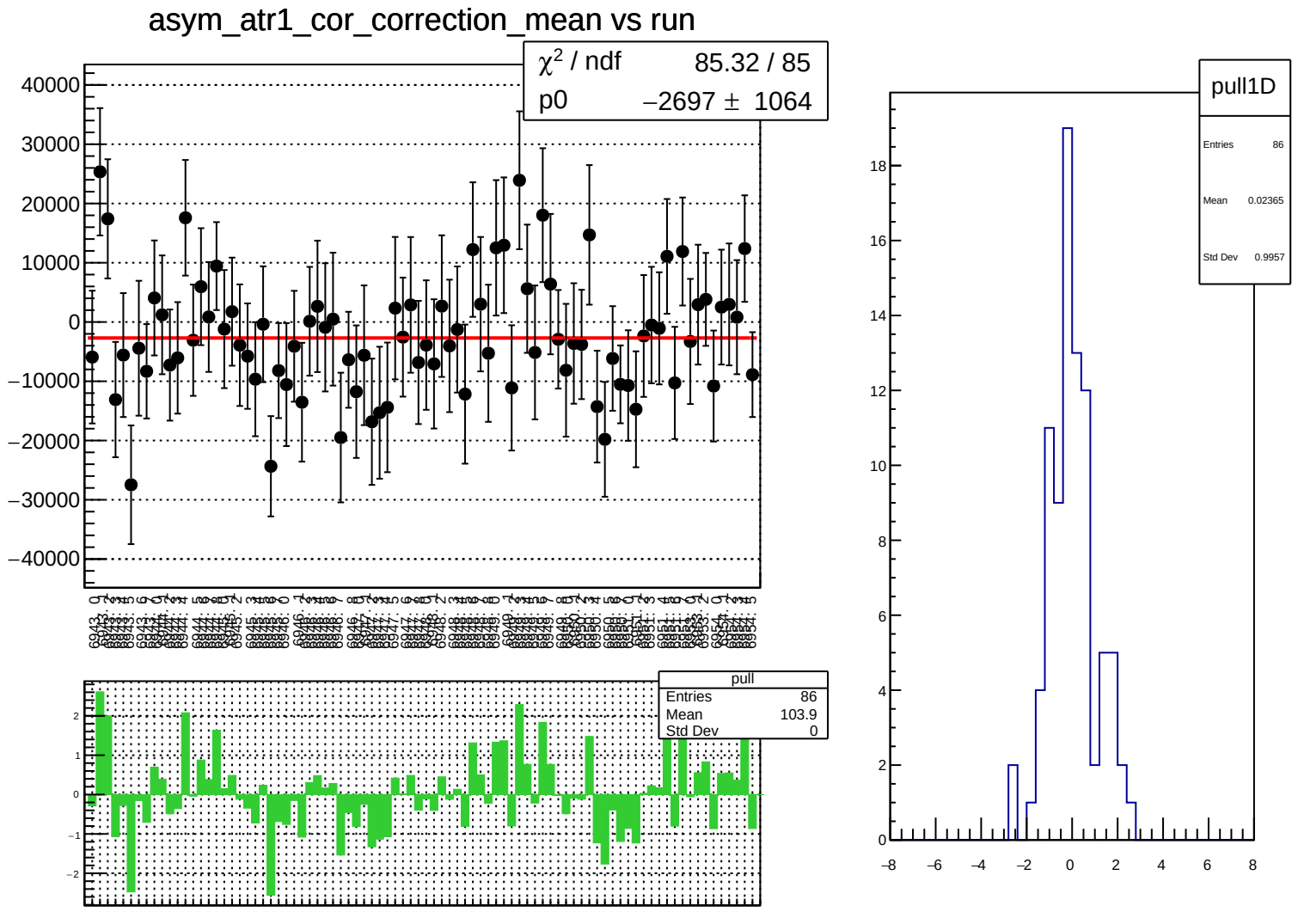

pull1D
Entries 86
Mean 0.02366
Std Dev 0.9958

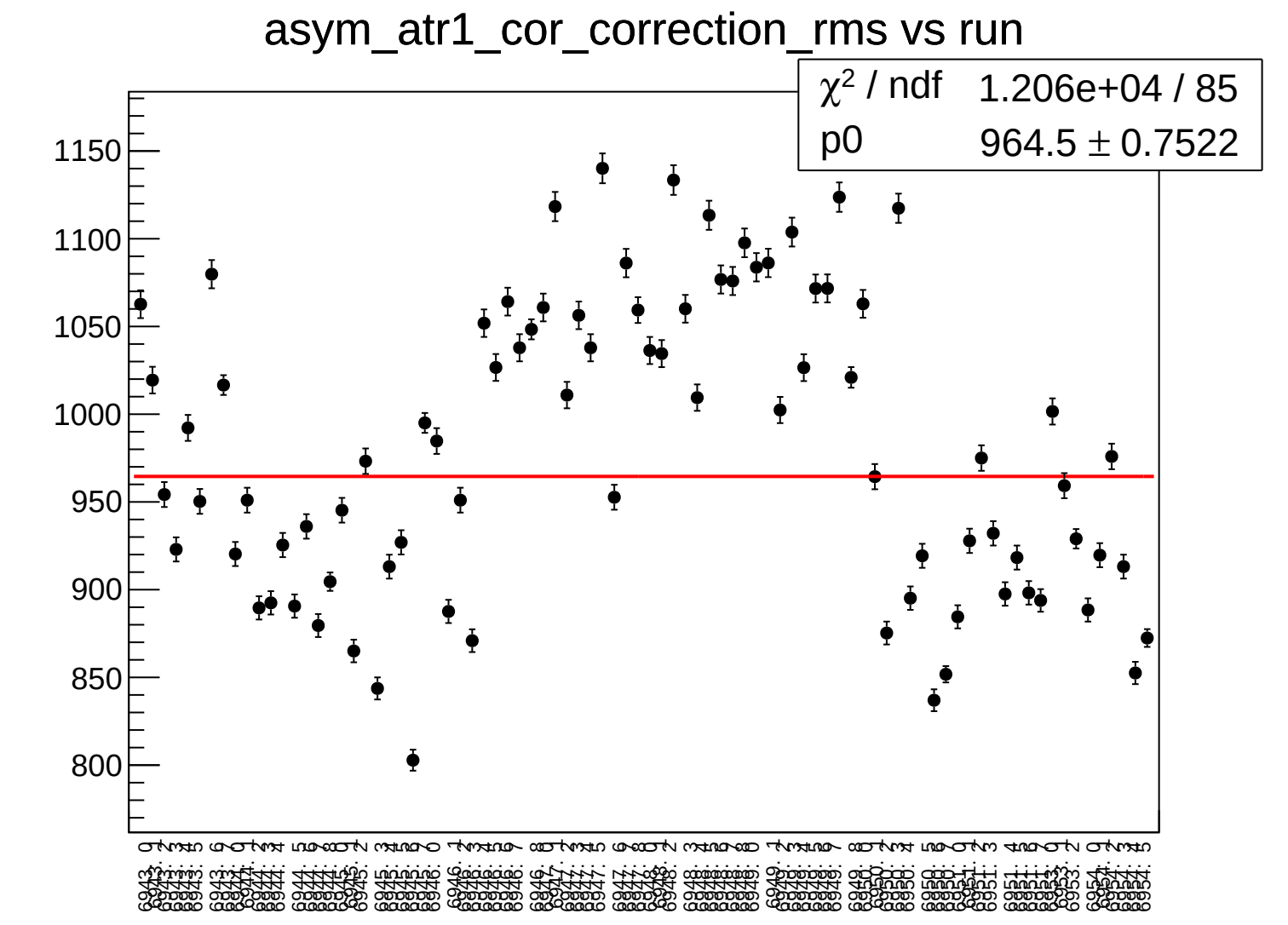

asym_atr1_reg_correction_rms vs run
χ² / ndf 1.205e+04 / 85
p0 964.5 ± 0.7522
1150
1100
1050
1000
950
900
850
800

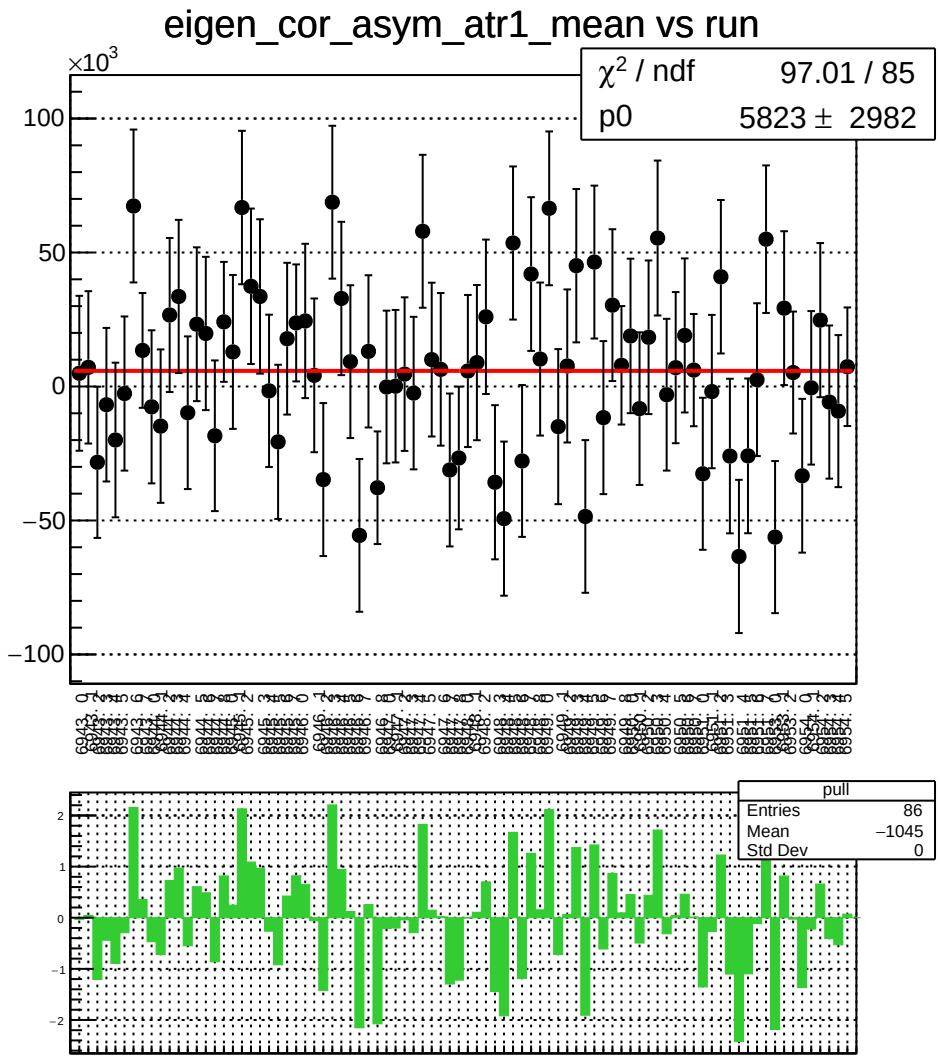

cor_asym_atr1_mean vs run
χ² / ndf 97.01 / 85
p0 5823 ± 2982
×10³
pull
Entries 86
Mean −1045
Std Dev 0

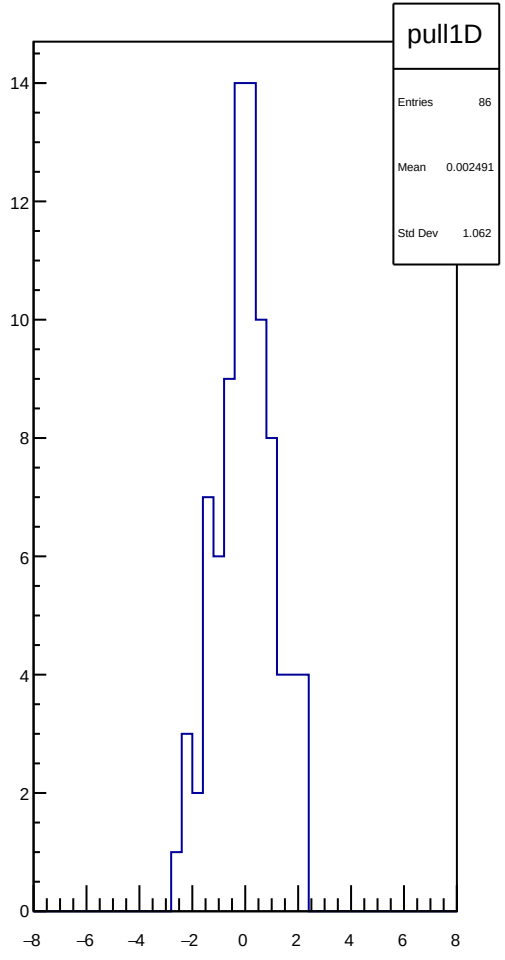

pull1D
Entries 86
Mean 0.002491
Std Dev 1.062

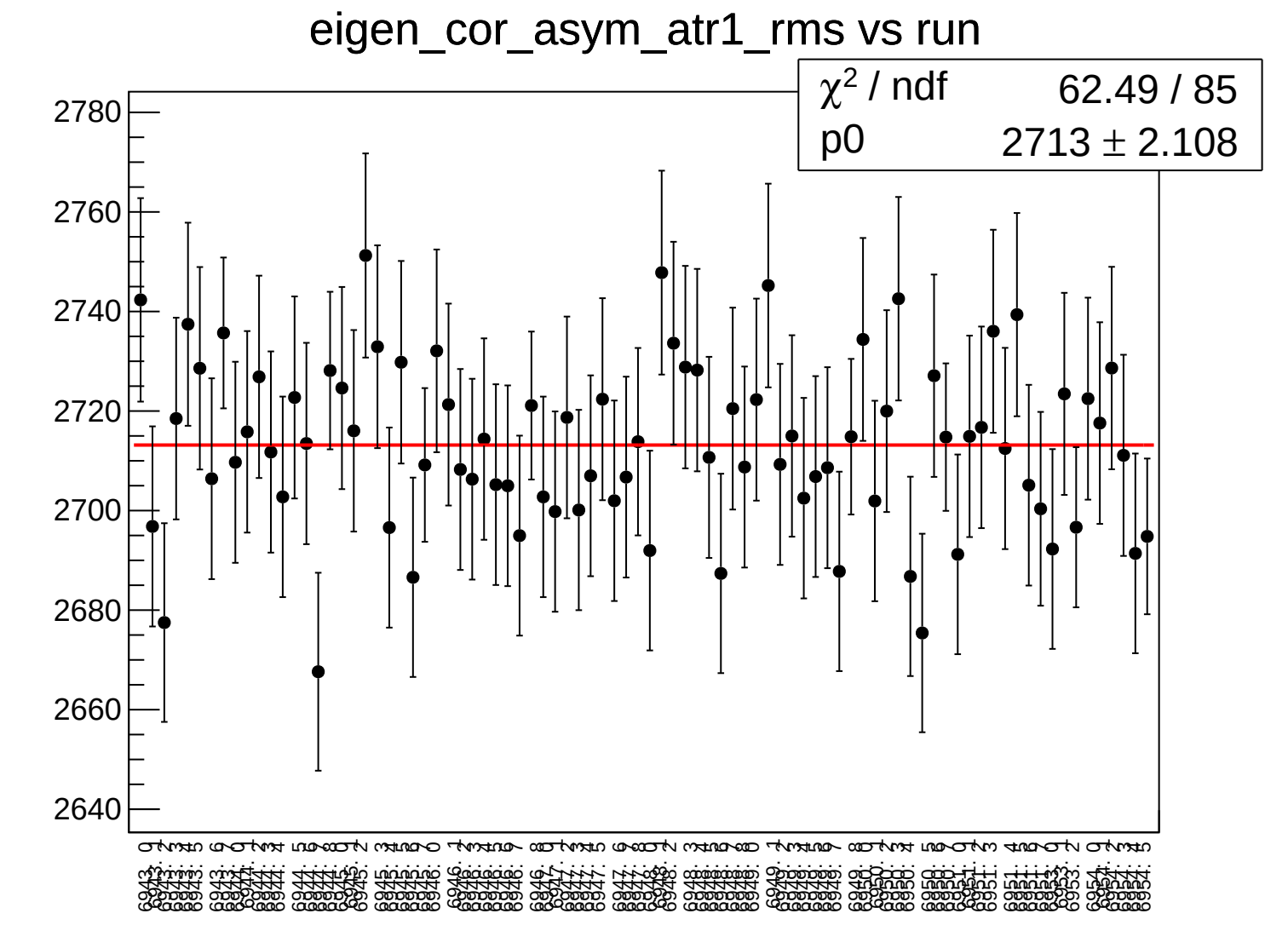

cor_asym_atr1_rms vs run
χ² / ndf 62.49 / 85
p0 2713 ± 2.108
2780
2760
2740
2720
2700
2680
2660
2640

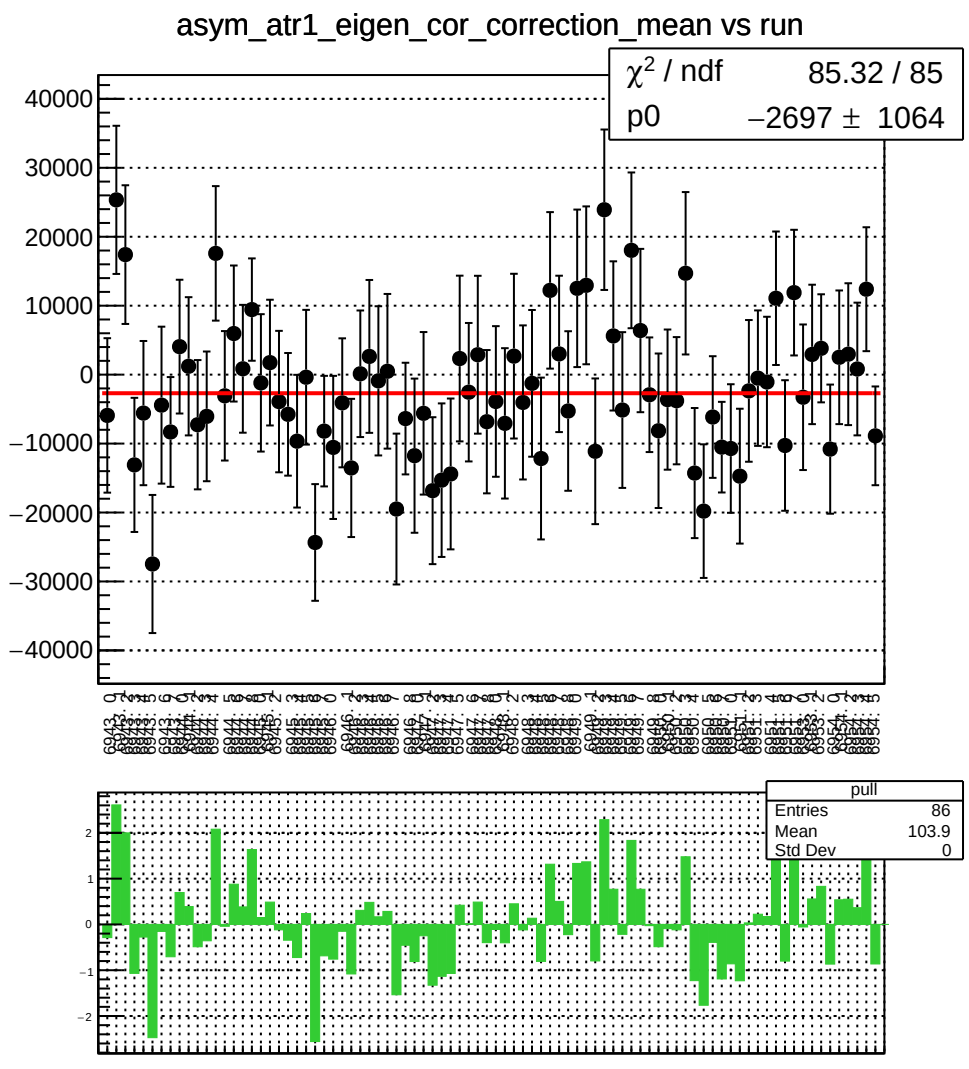

asym_atr1_cor_correction_mean vs run
χ² / ndf 85.32 / 85
p0 −2697 ± 1064
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 103.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02365
Std Dev 0.9957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

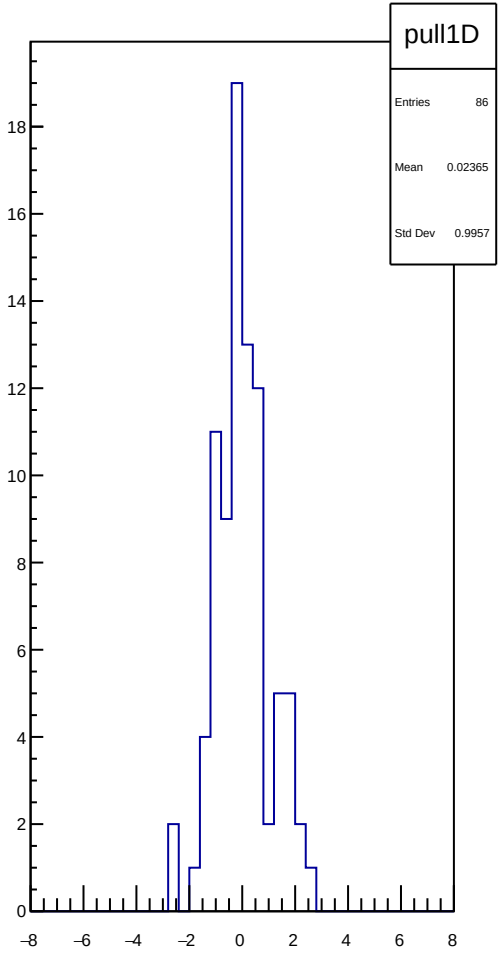

asym_atr1_cor_correction_rms vs run
χ² / ndf 1.206e+04 / 85
p0 964.5 ± 0.7522
1150
1100
1050
1000
950
900
850
800

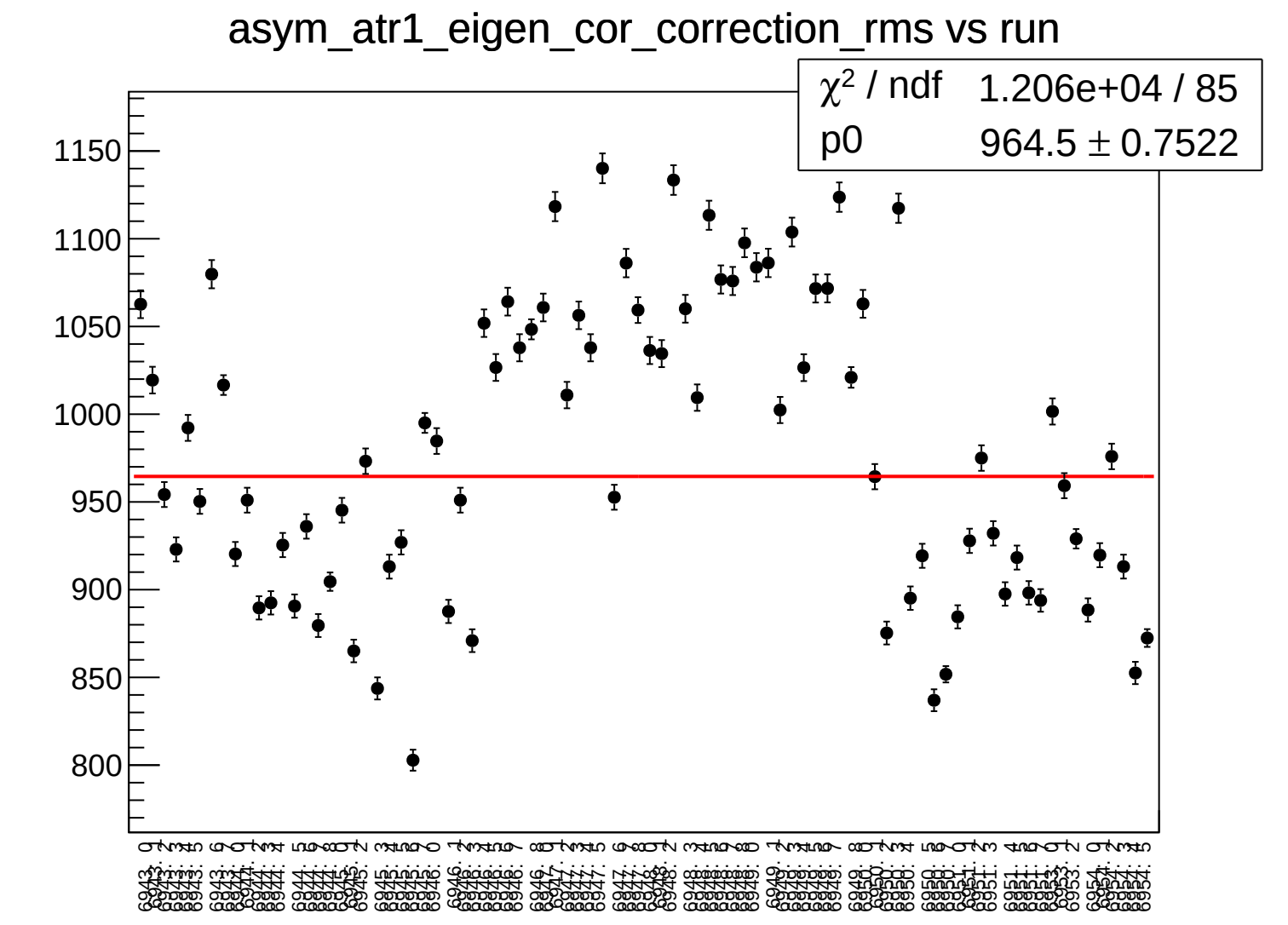

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 97.01 / 85
p0 5823 ± 2982
100
50
0
−50
−100
pull
Entries 86
Mean −1045
Std Dev 0
2
1
0
−1
−2

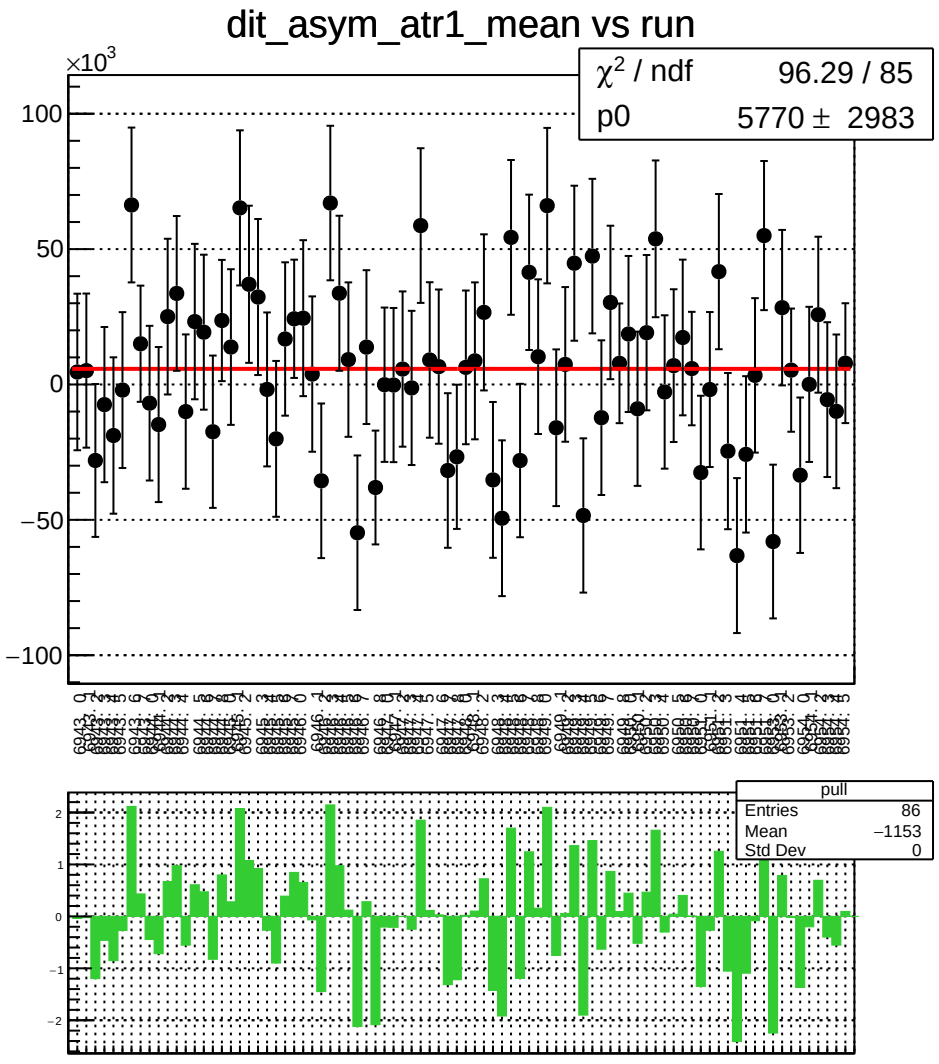

pull1D
Entries 86
Mean 0.002491
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

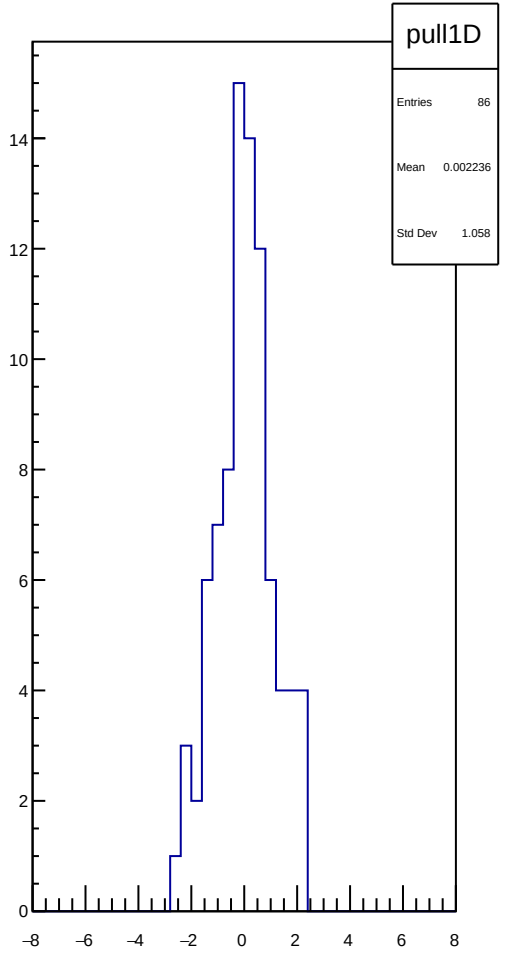

eigen_cor_asym_atr1_rms vs run
χ² / ndf 62.49 / 85
p0 2713 ± 2.108
2780
2760
2740
2720
2700
2680
2660
2640

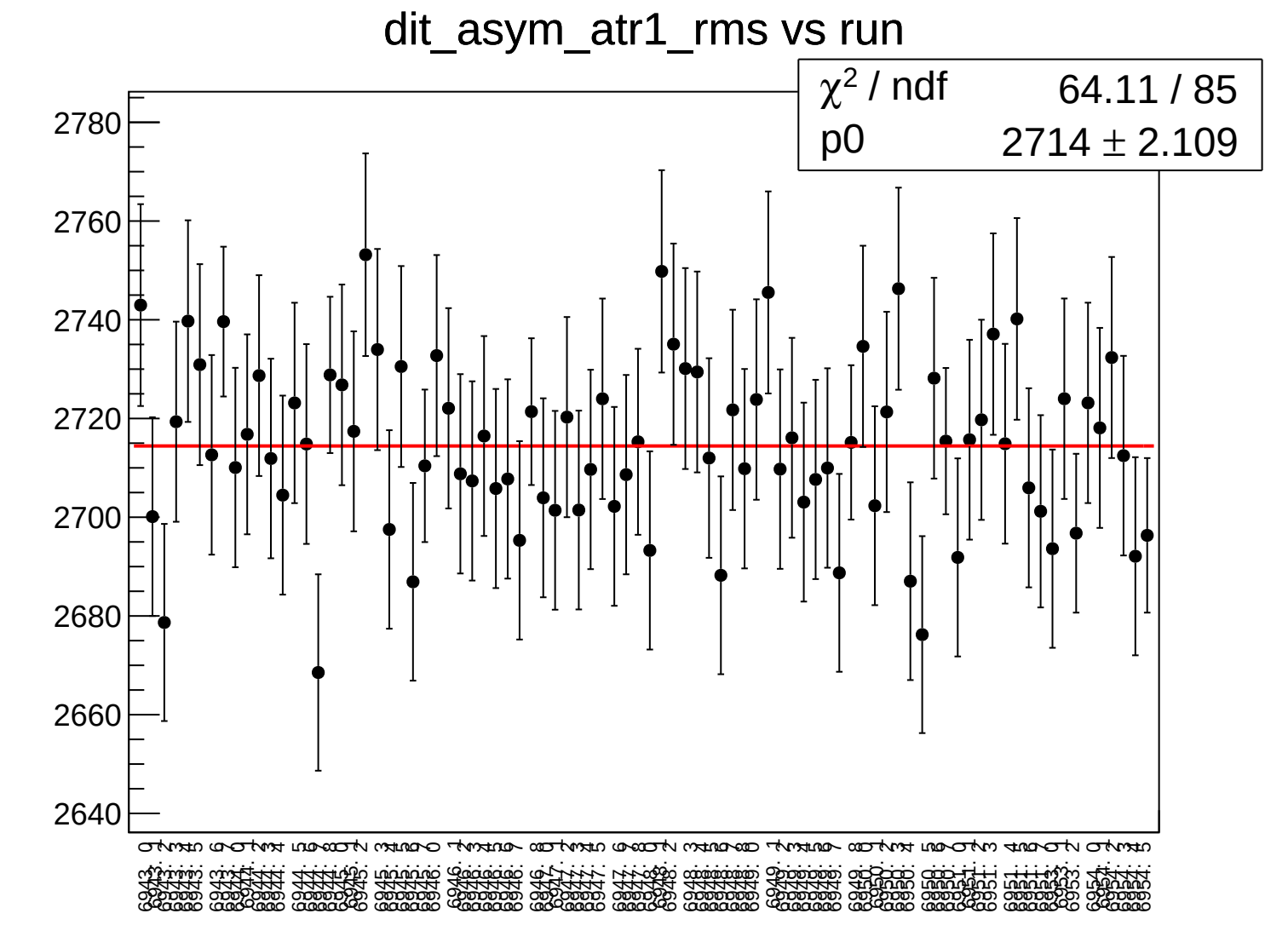

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 85.32 / 85
p0 −2697 ± 1064
pull
Entries 86
Mean 103.9
Std Dev 0

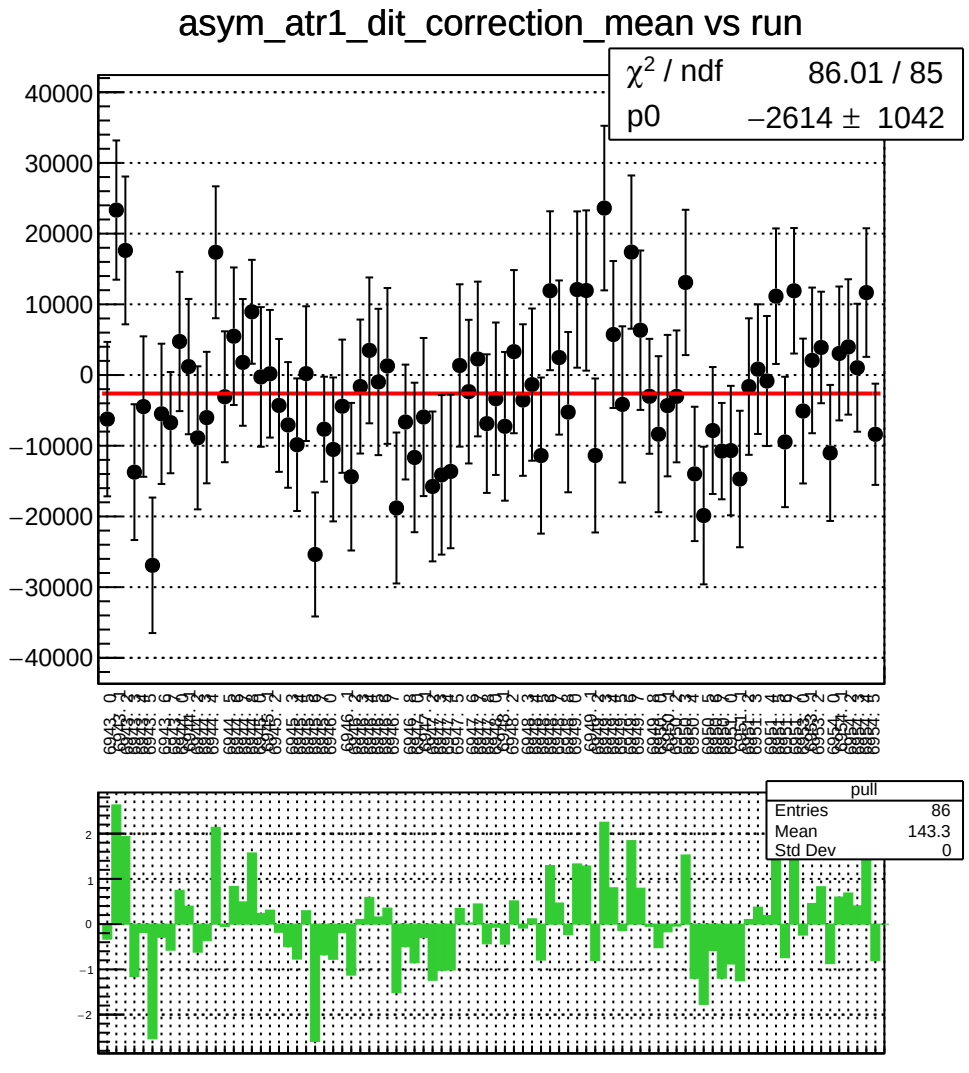

pull1D
Entries 86
Mean 0.02365
Std Dev 0.9957

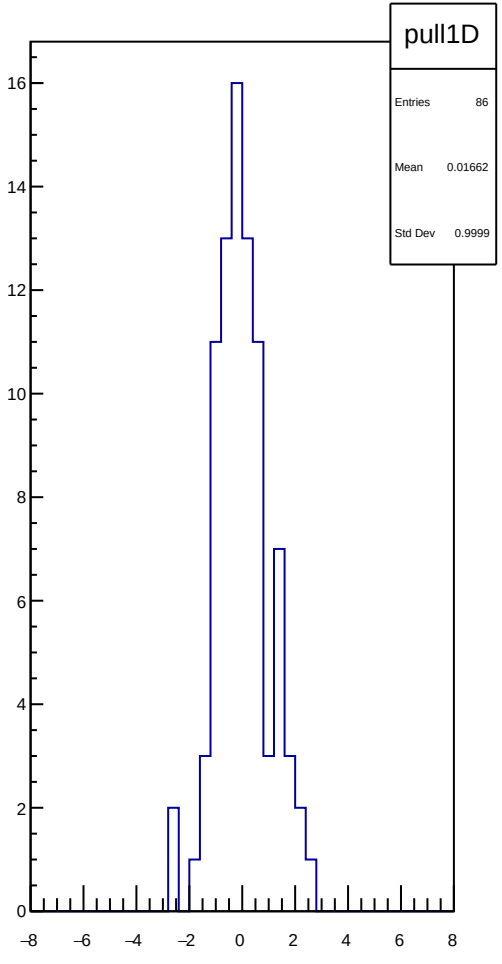

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 1.206e+04 / 85
p0 964.5 ± 0.7522
1150
1100
1050
1000
950
900
850
800


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 96.29 / 85
p0 5770 ± 2983
100
50
0
−50
−100
pull
Entries 86
Mean −1153
Std Dev 0
2
1
0
−1
−2

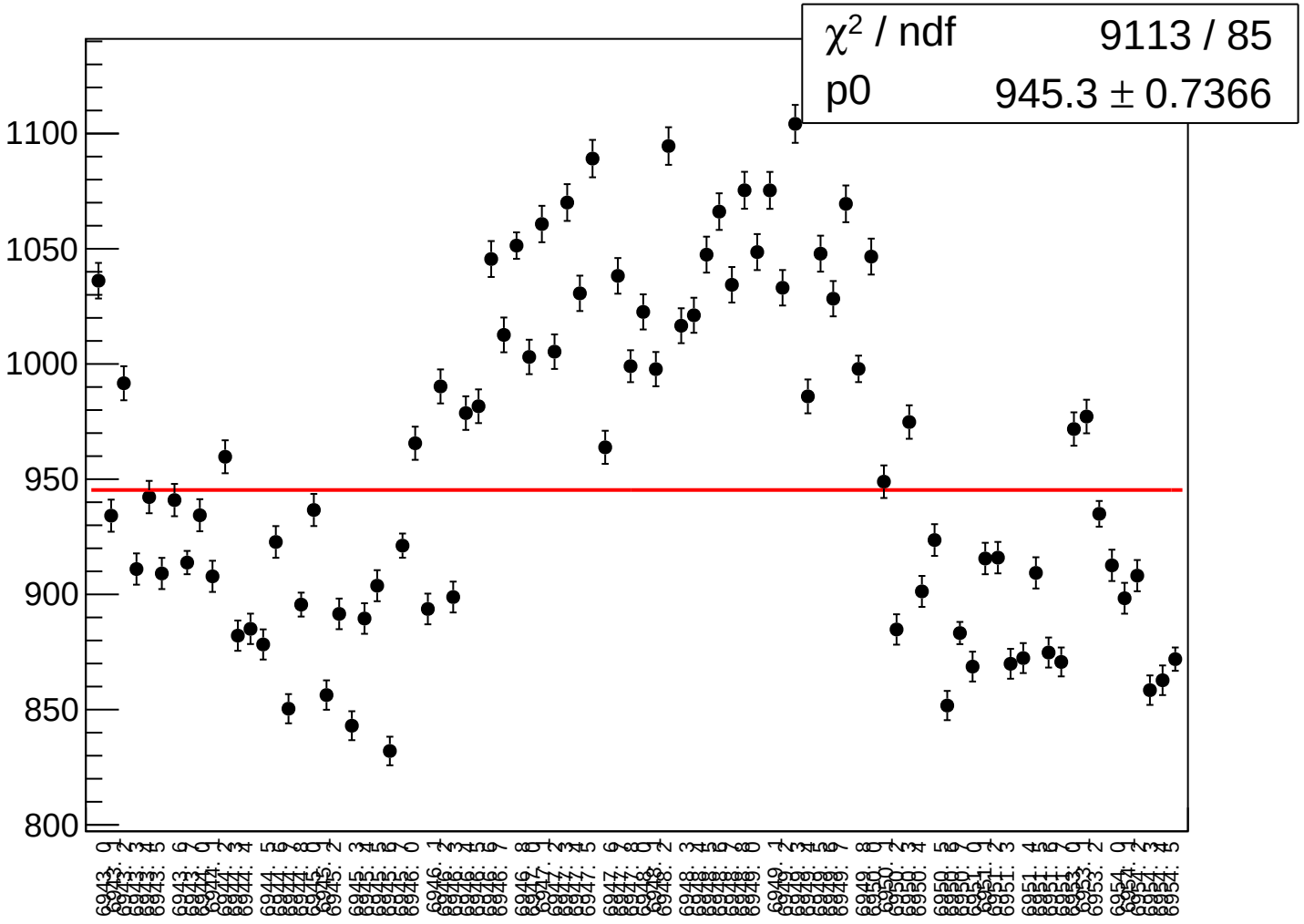

pull1D
Entries 86
Mean 0.002236
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

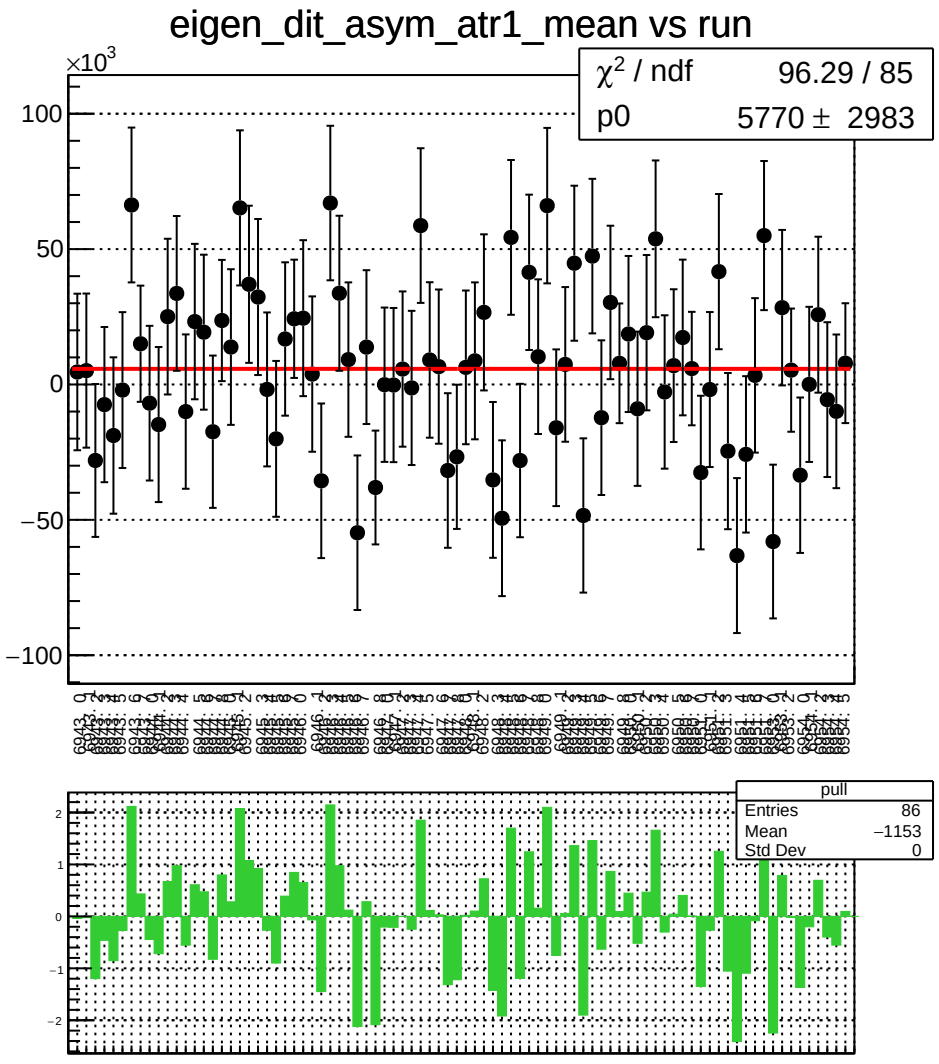

dit_asym_atr1_rms vs run
χ^2 / ndf 64.11 / 85
p0 2714 ± 2.109
2780
2760
2740
2720
2700
2680
2660
2640

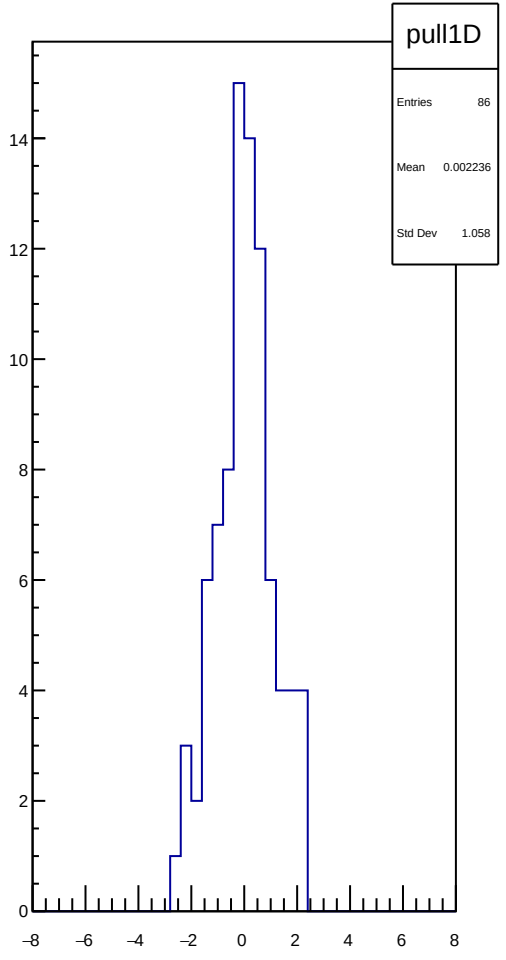

asym_atr1_dit_correction_mean vs run
χ² / ndf 86.01 / 85
p0 −2614 ± 1042
pull
Entries 86
Mean 143.3
Std Dev 0

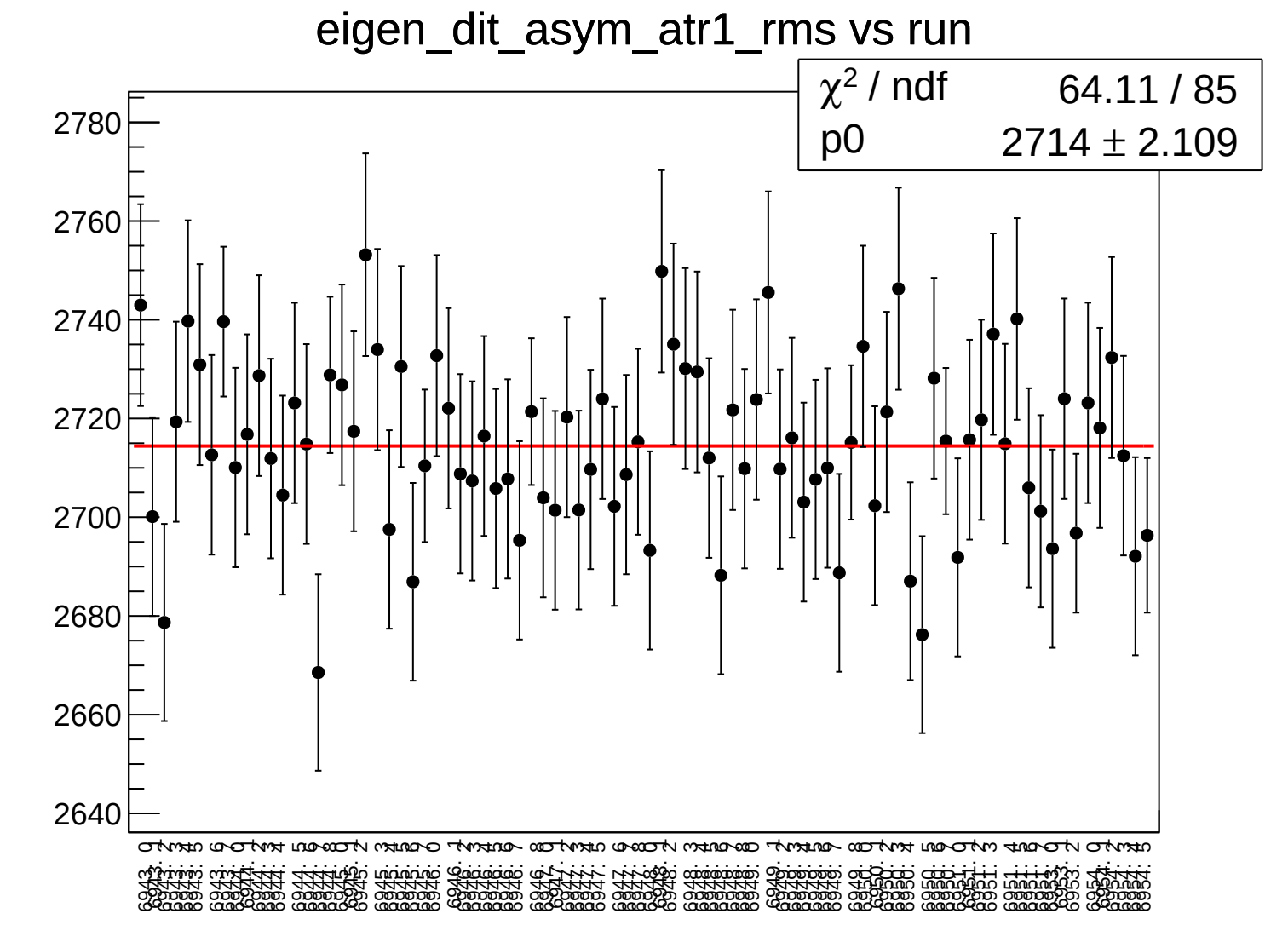

pull1D
Entries 86
Mean 0.01662
Std Dev 0.9999

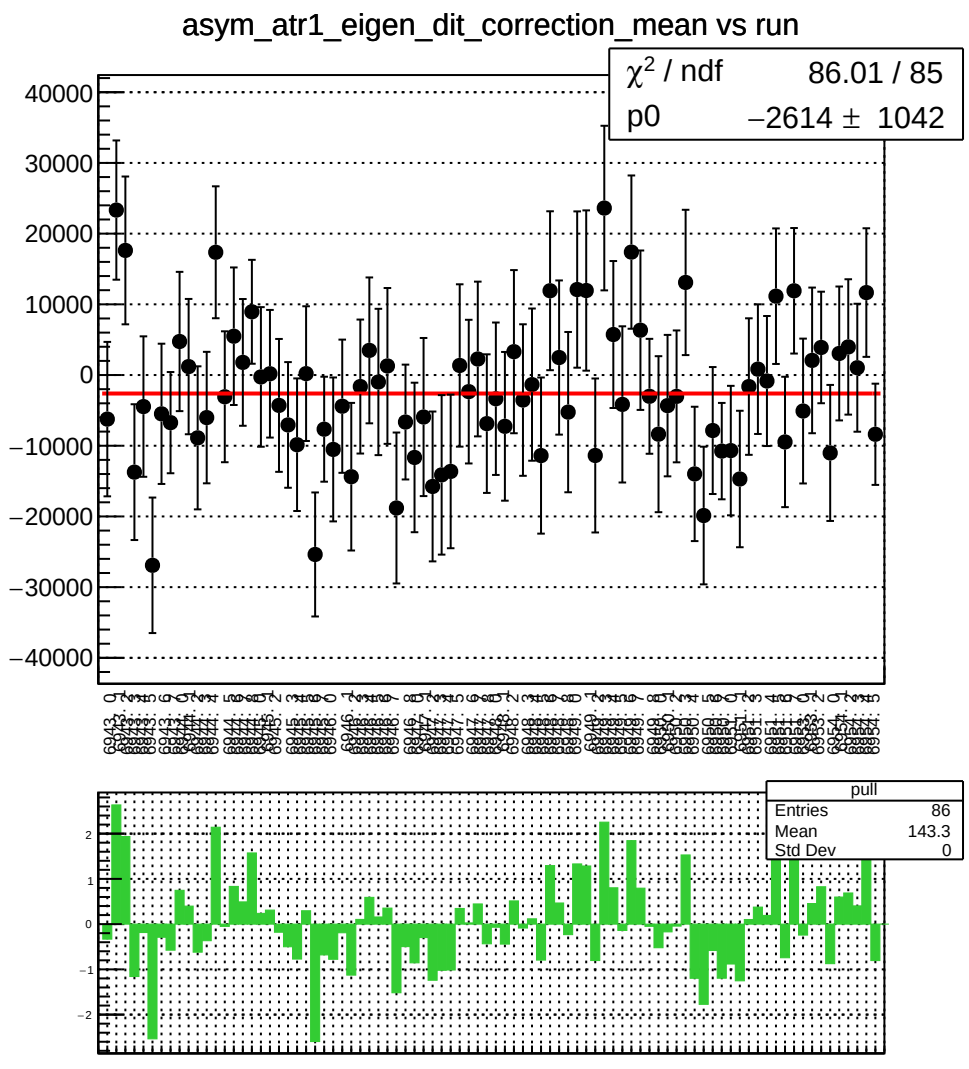
asym_atr1_dit_correction_rms vs run

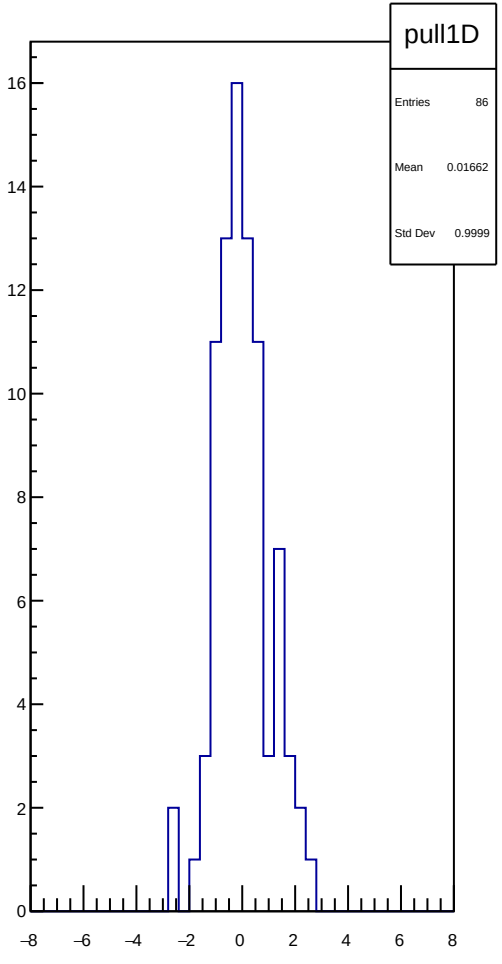


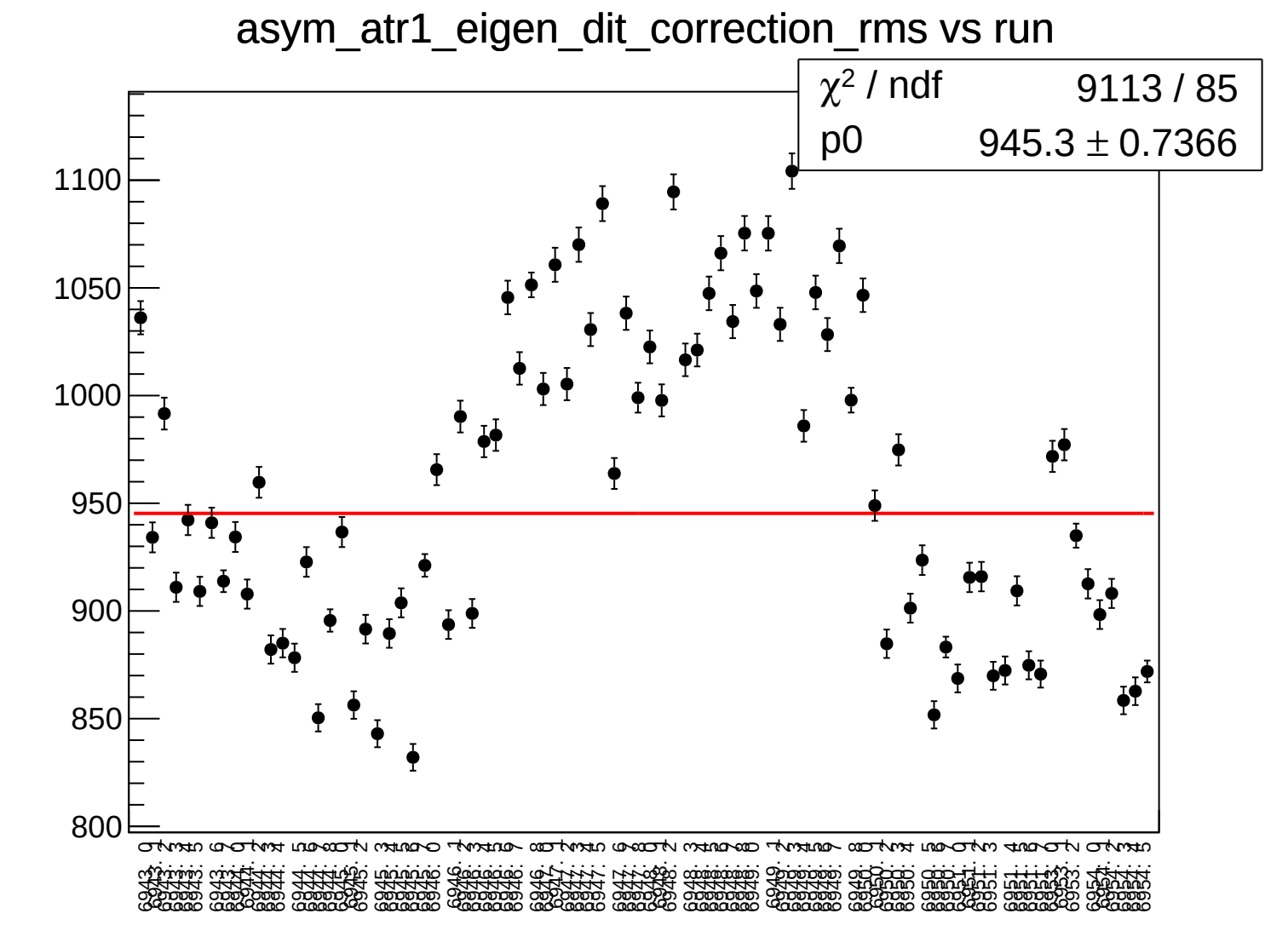

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 96.29 / 85
p0 5770 ± 2983
100
50
0
−50
−100
pull
Entries 86
Mean −1153
Std Dev 0
2
1
0
−1
−2

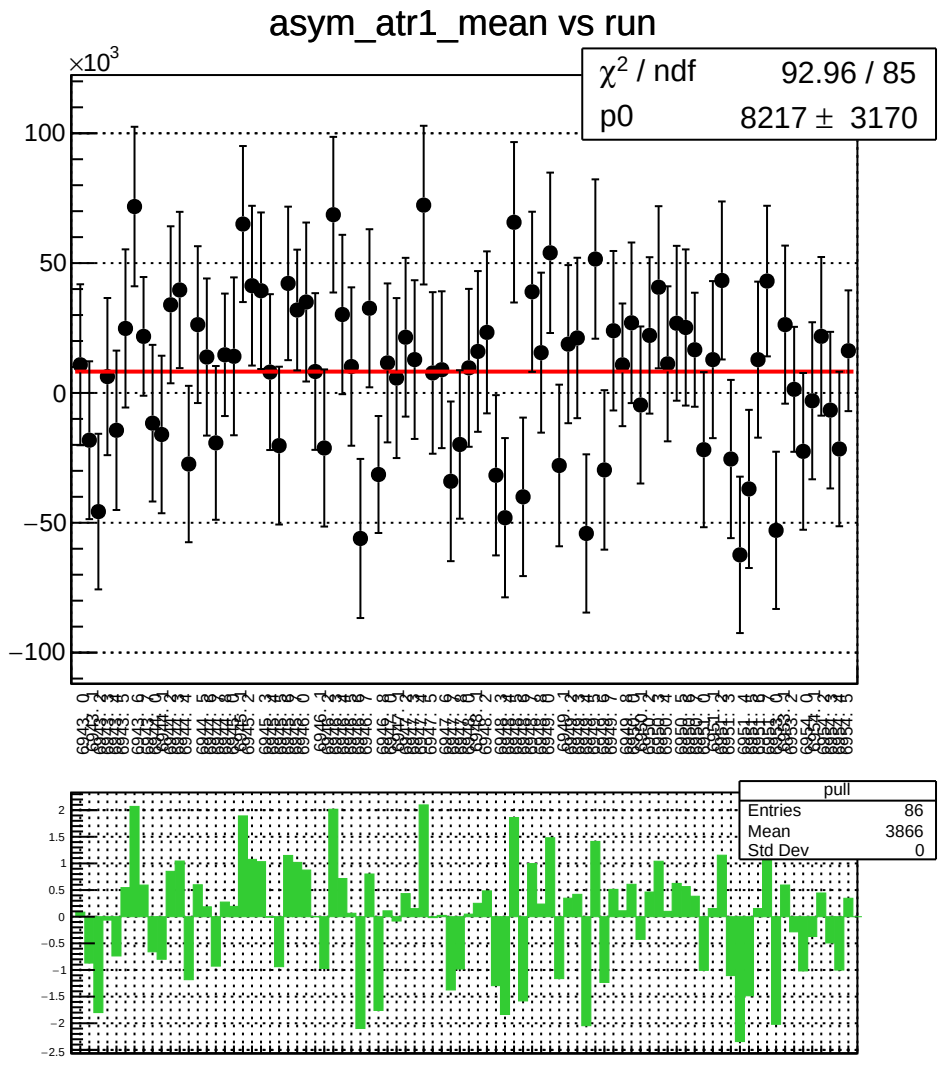

pull1D
Entries 86
Mean 0.002236
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

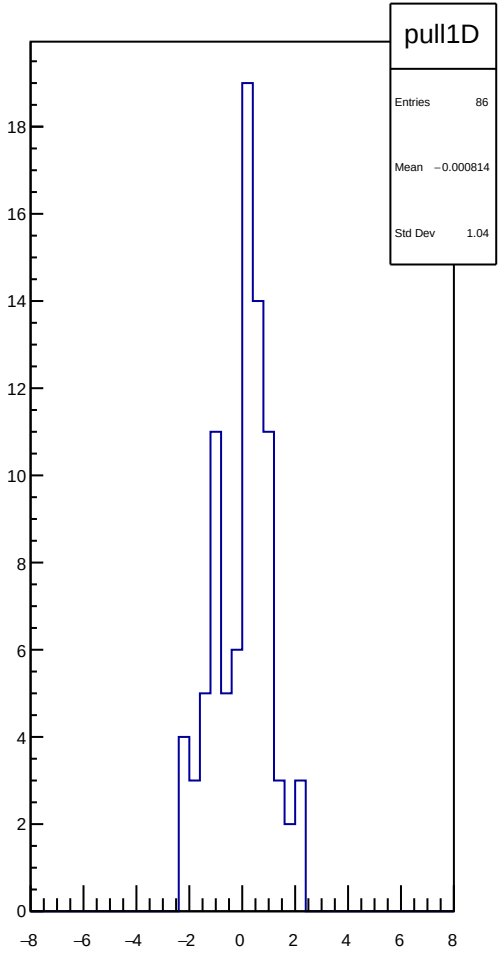

eigen_dit_asym_atr1_rms vs run
χ^2 / ndf 64.11 / 85
p0 2714 ± 2.109
2780
2760
2740
2720
2700
2680
2660
2640

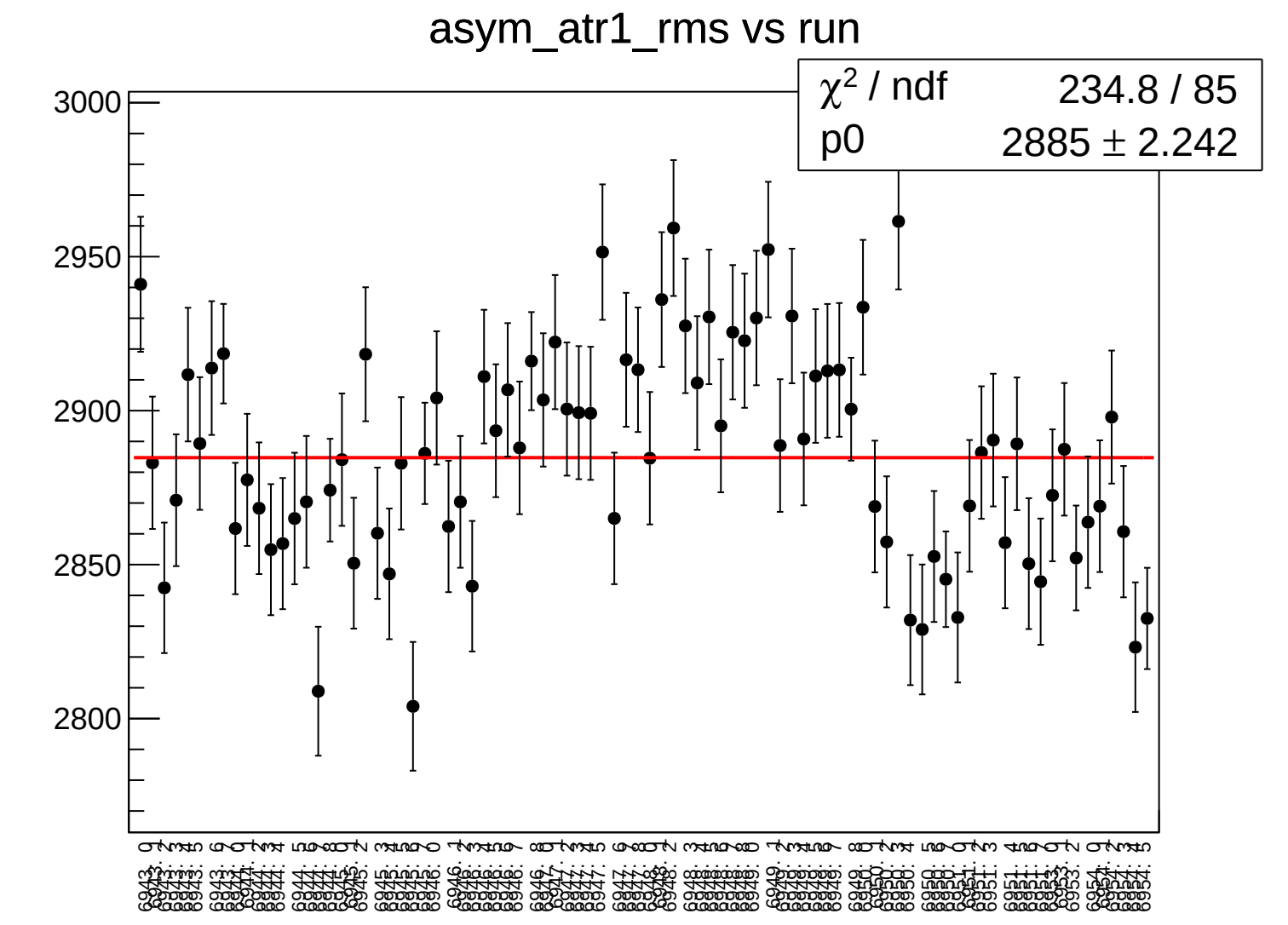

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 86.01 / 85
p0 −2614 ± 1042
pull
Entries 86
Mean 143.3
Std Dev 0

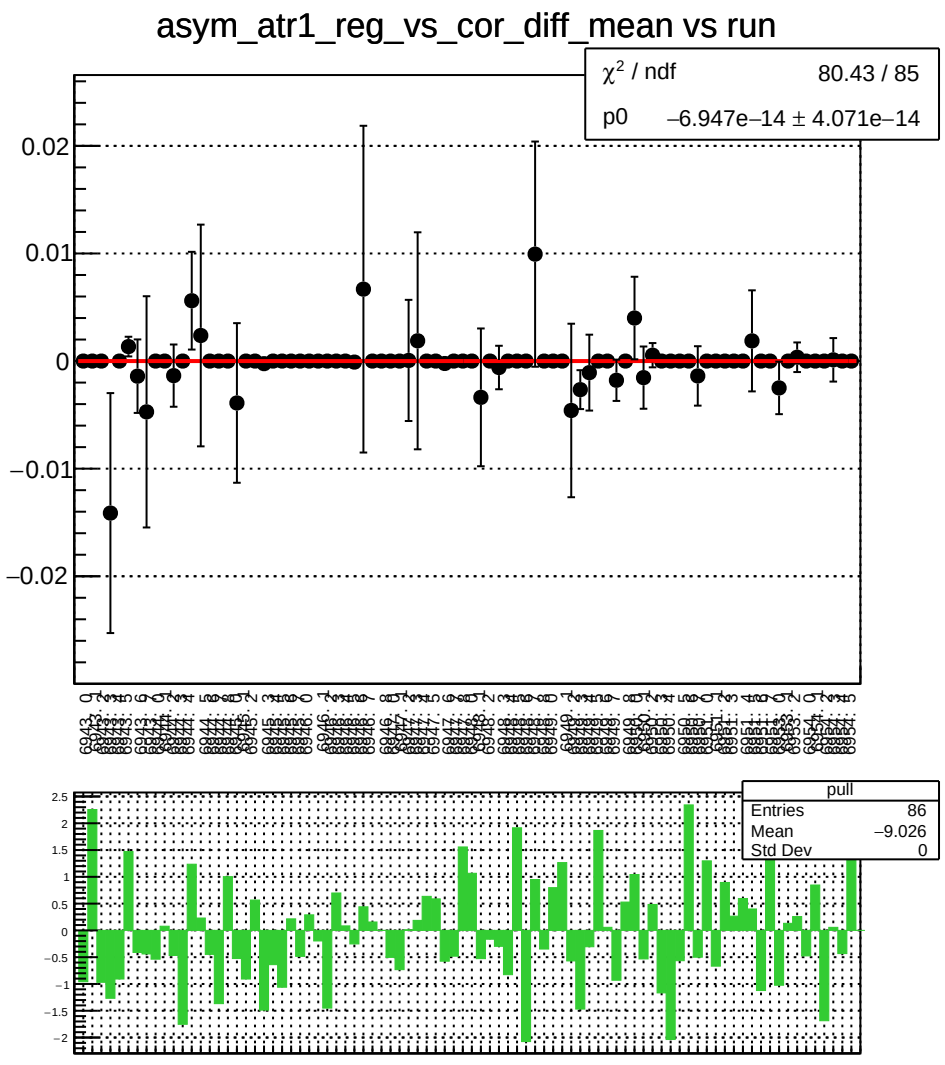

pull1D
Entries 86
Mean 0.01662
Std Dev 0.9999

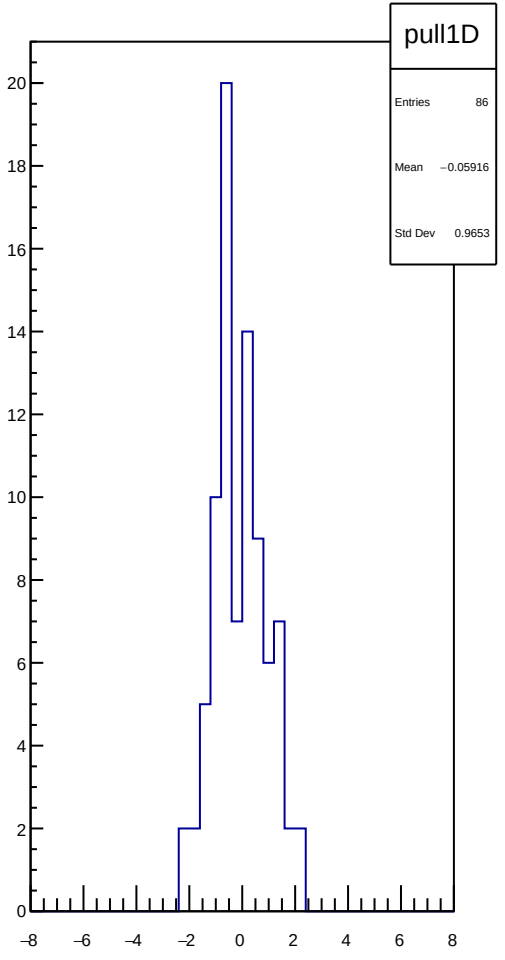

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 9113 / 85
p0 945.3 ± 0.7366
1100
1050
1000
950
900
850
800

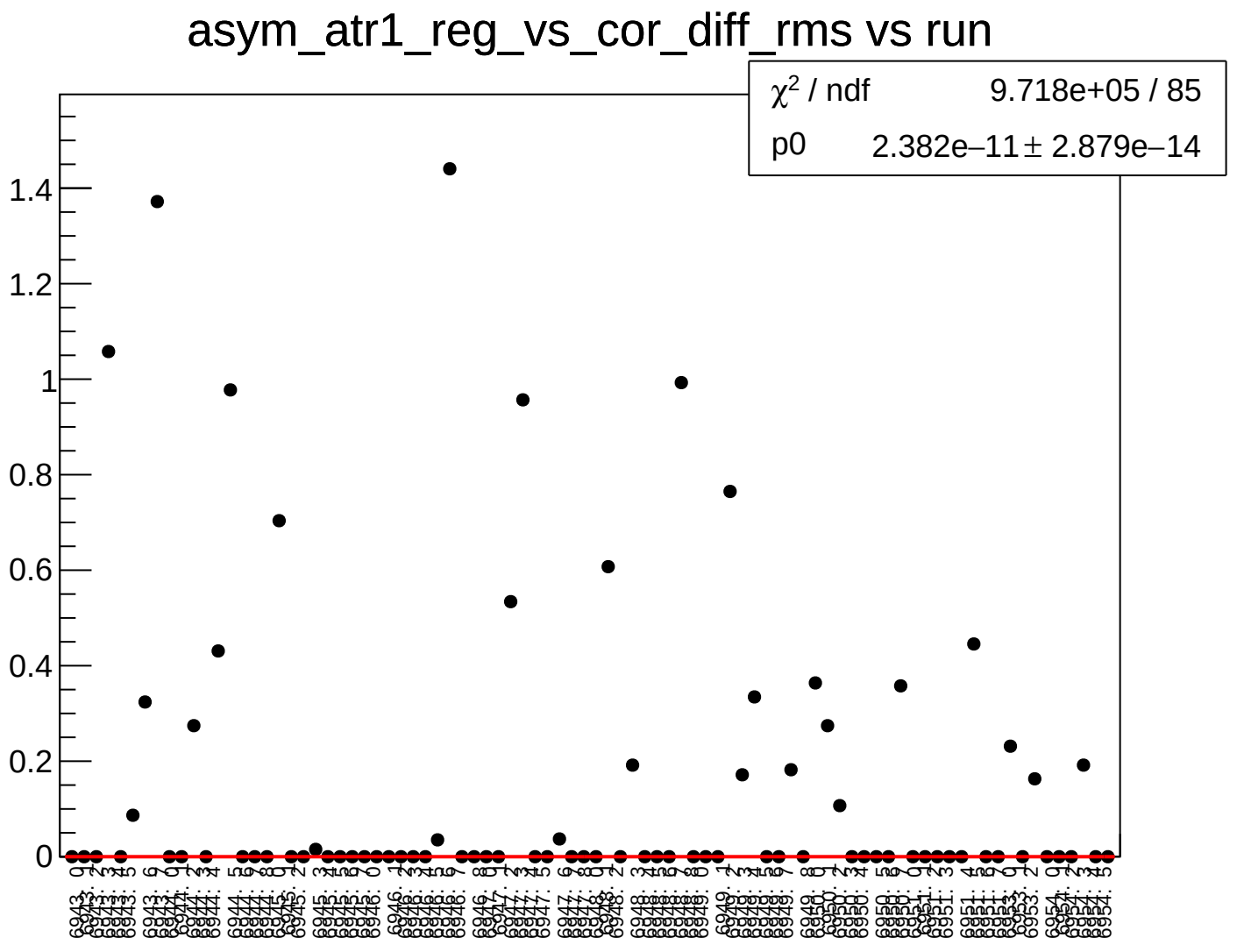

asym_atr1_mean vs run
×10^3
χ² / ndf 92.96 / 85
p0 8217 ± 3170
100
50
0
−50
−100
pull
Entries 86
Mean 3866
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

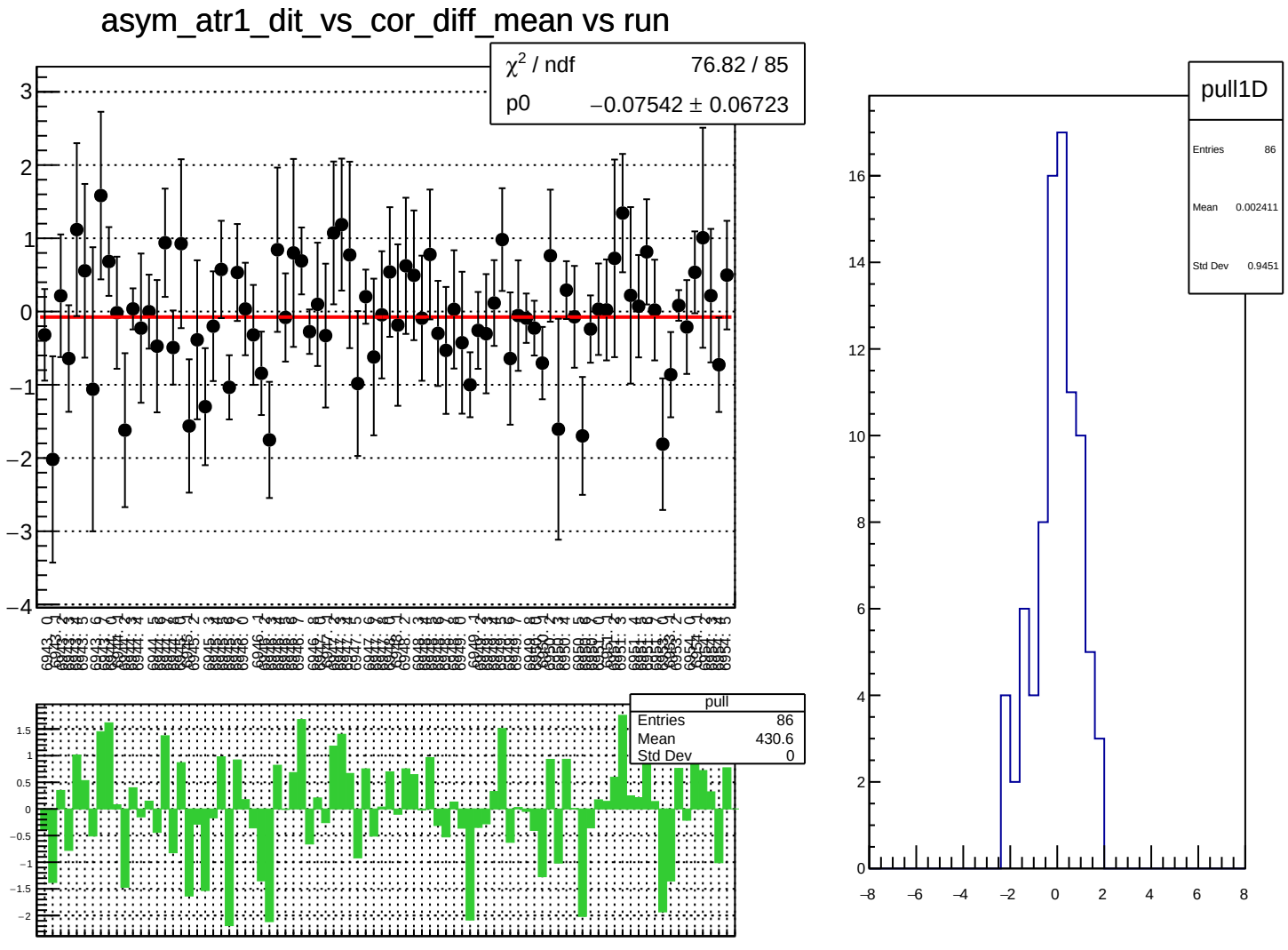

pull1D
Entries 86
Mean −0.000814
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

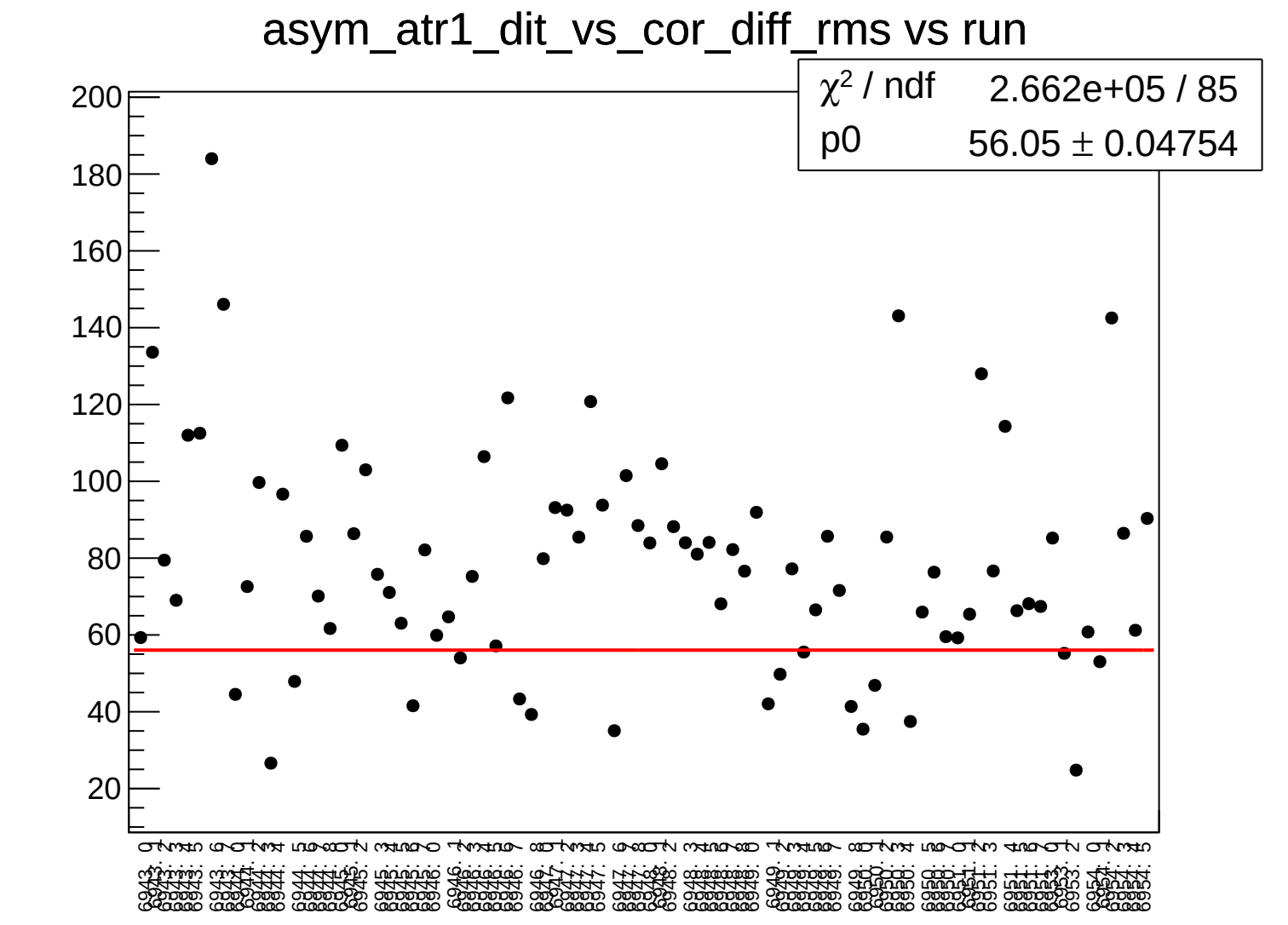

asym_atr1_rms vs run
χ² / ndf 234.8 / 85
p0 2885 ± 2.242
3000
2950
2900
2850
2800

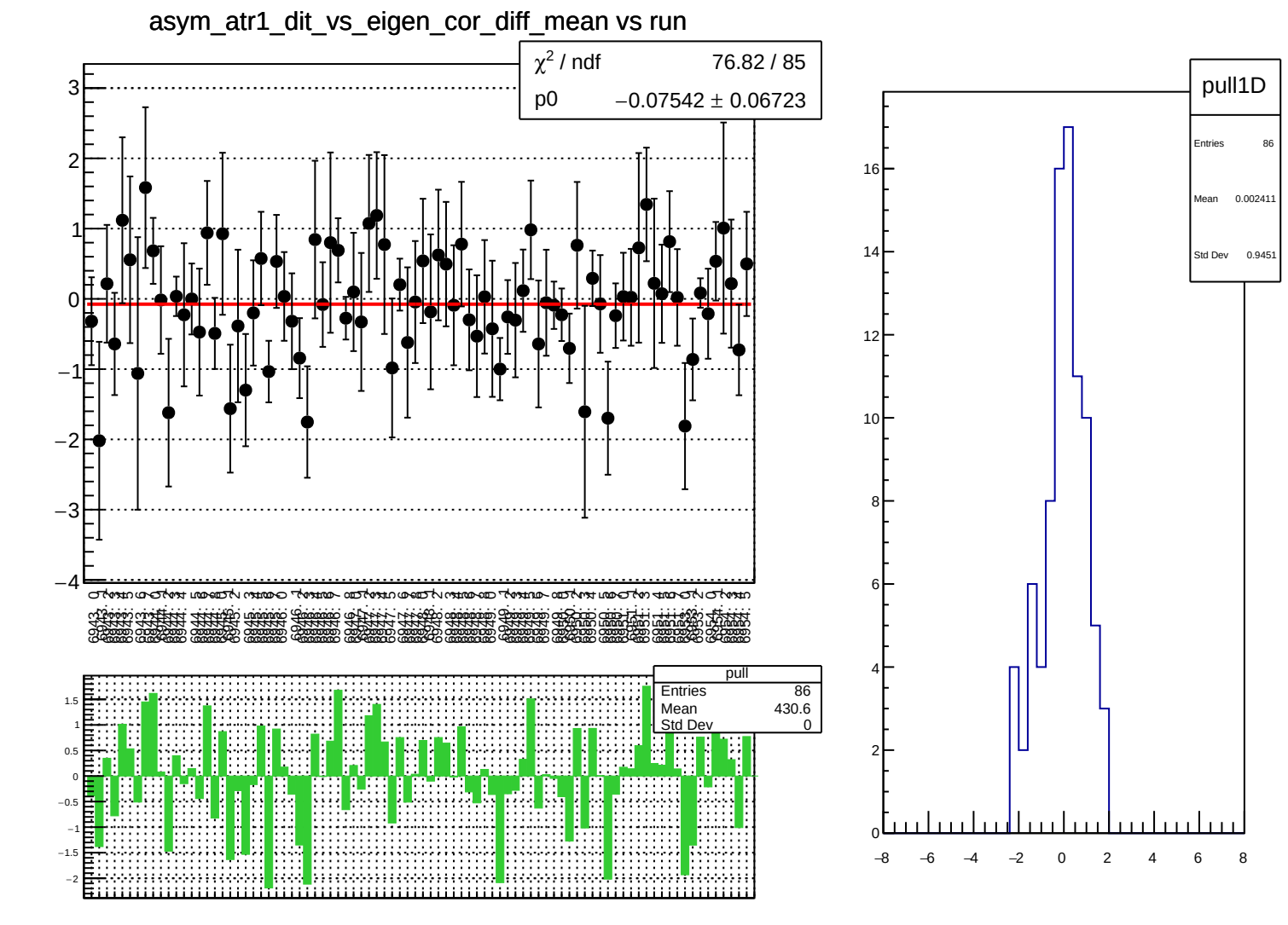

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 80.43 / 85
p0 −6.947e−14 ± 4.071e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 86
Mean −9.026
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

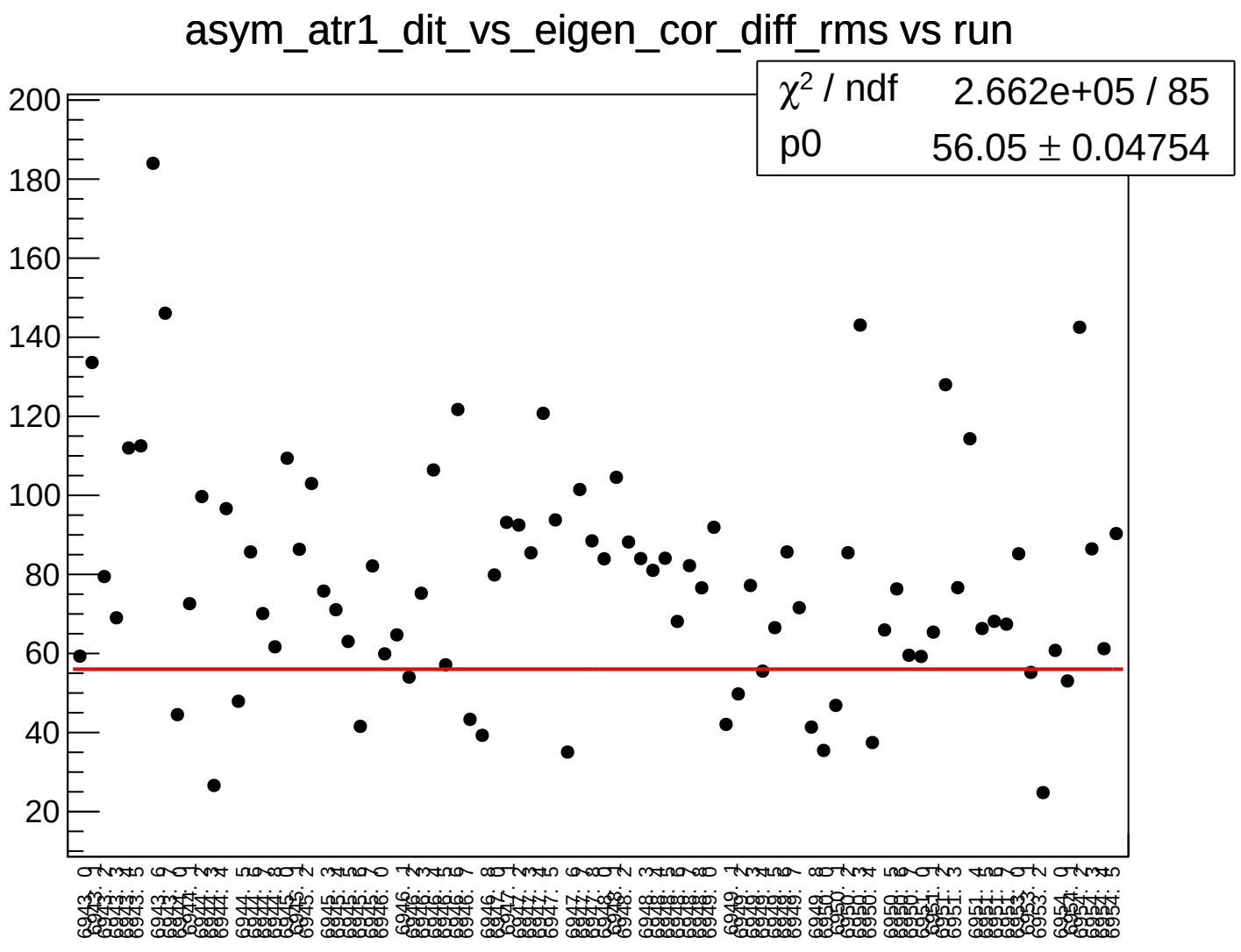

pull1D
Entries 86
Mean −0.05916
Std Dev 0.9653
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

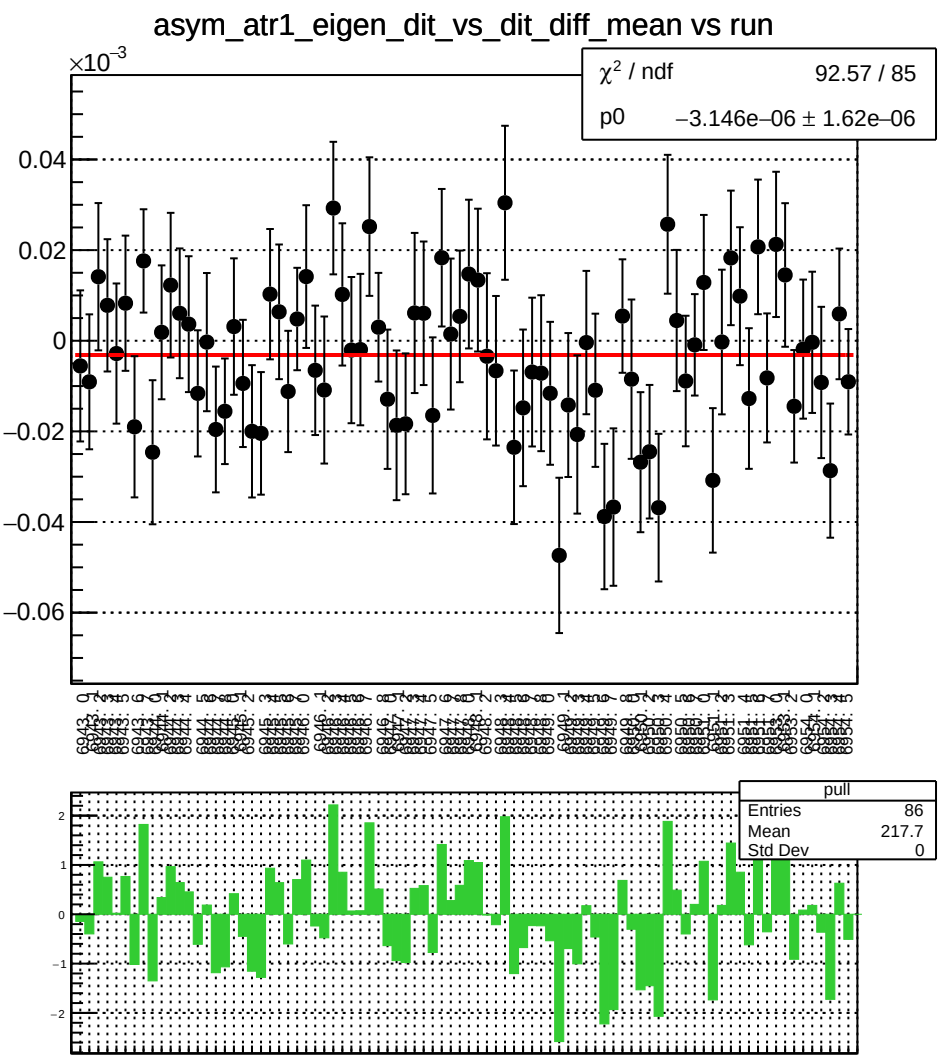

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.718e+05 / 85
p0 2.382e−11 ± 2.879e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

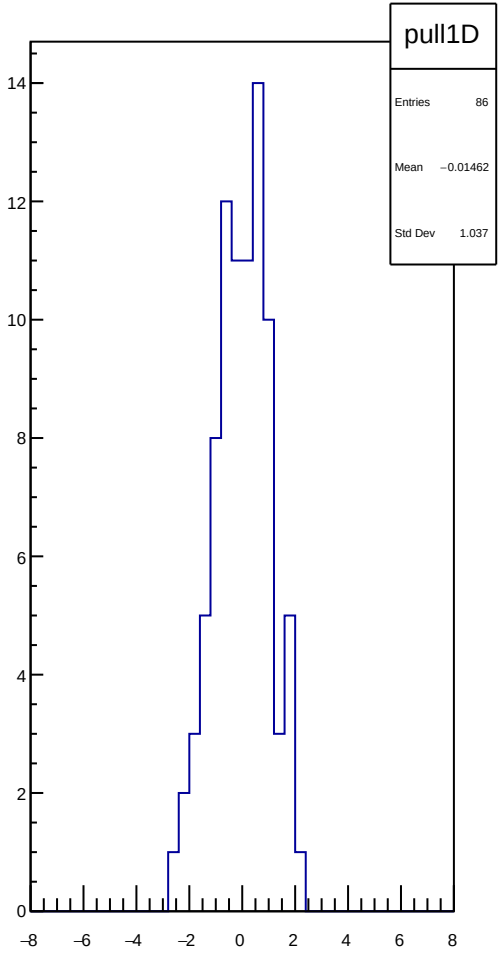

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 76.82 / 85
p0 −0.07542 ± 0.06723
pull
Entries 86
Mean 430.6
Std Dev 0
pull1D
Entries 86
Mean 0.002411
Std Dev 0.9451

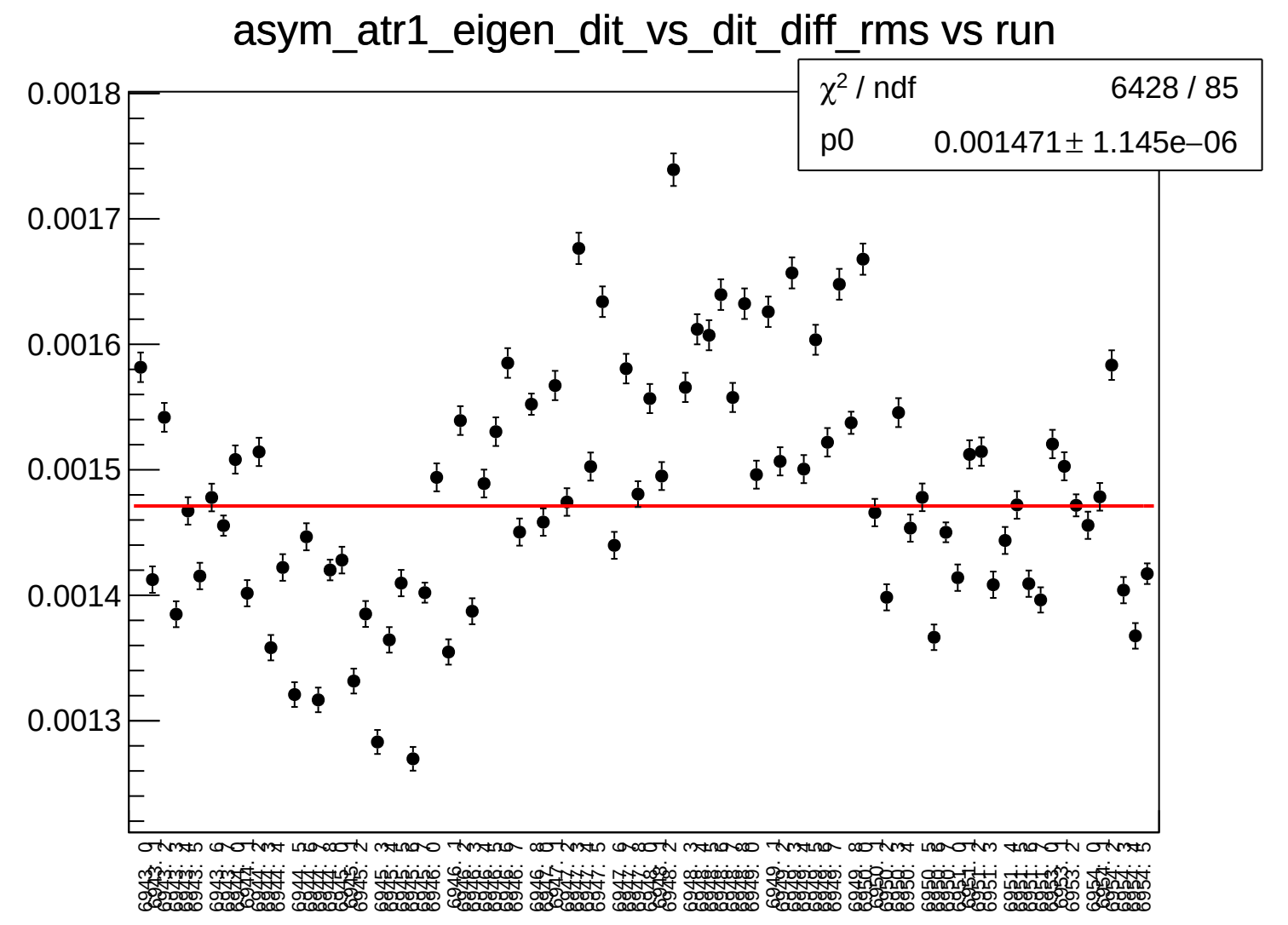

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.662e+05 / 85
p0 56.05 ± 0.04754
200
180
160
140
120
100
80
60
40
20

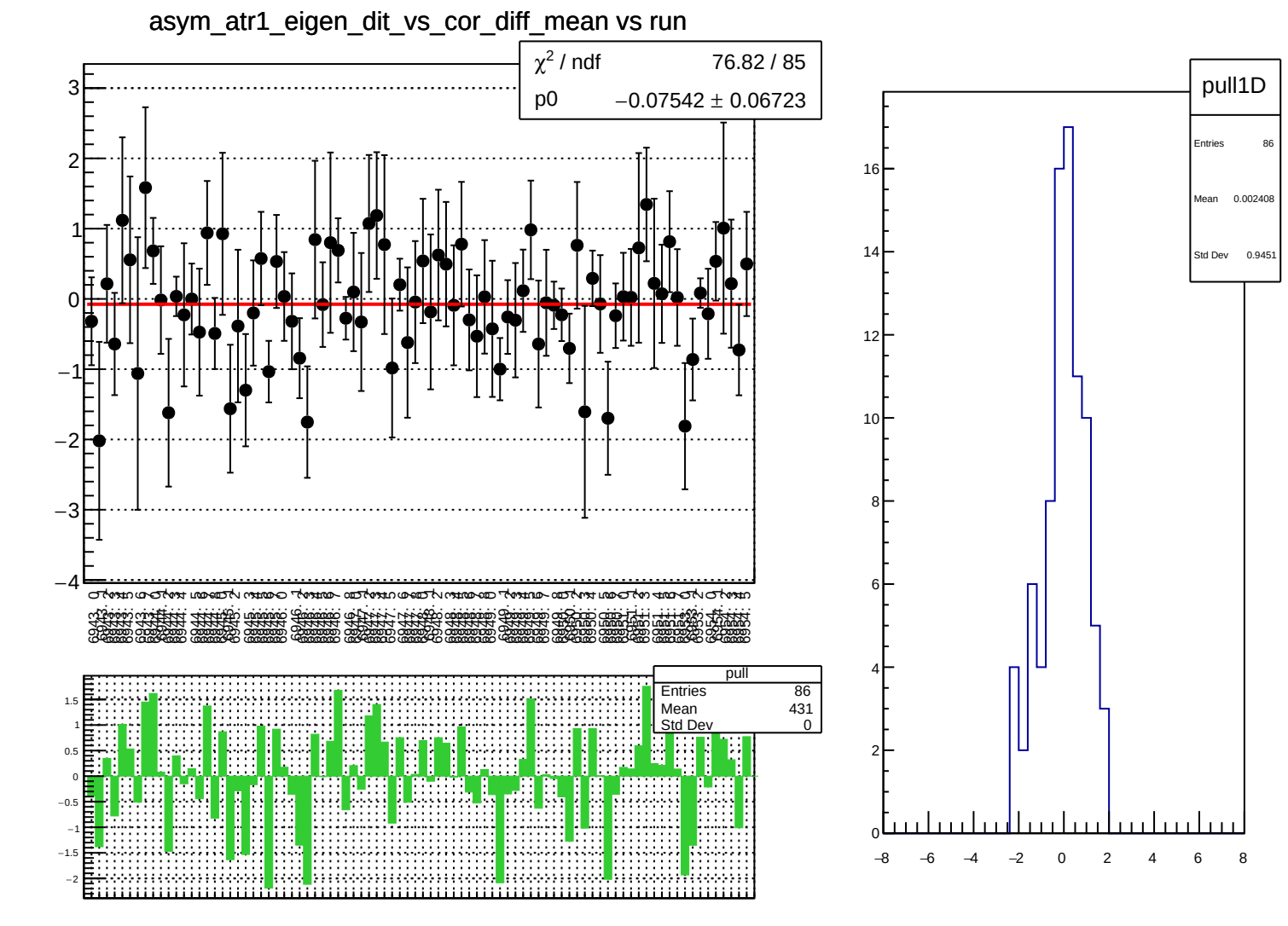

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.82 / 85
p0 −0.07542 ± 0.06723
pull
Entries 86
Mean 430.6
Std Dev 0
pull1D
Entries 86
Mean 0.002411
Std Dev 0.9451

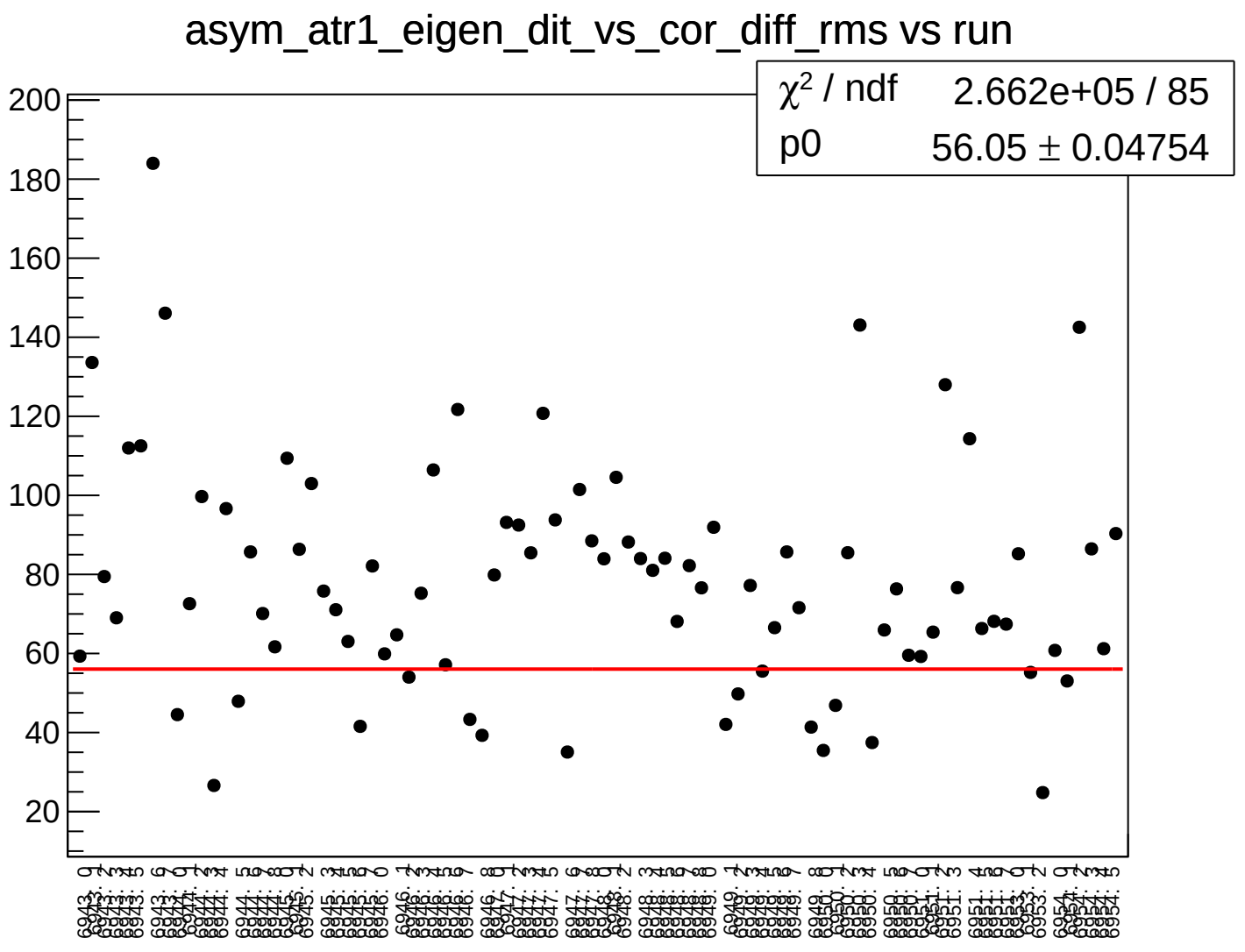

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.662e+05 / 85
p0 56.05 ± 0.04754
200
180
160
140
120
100
80
60
40
20

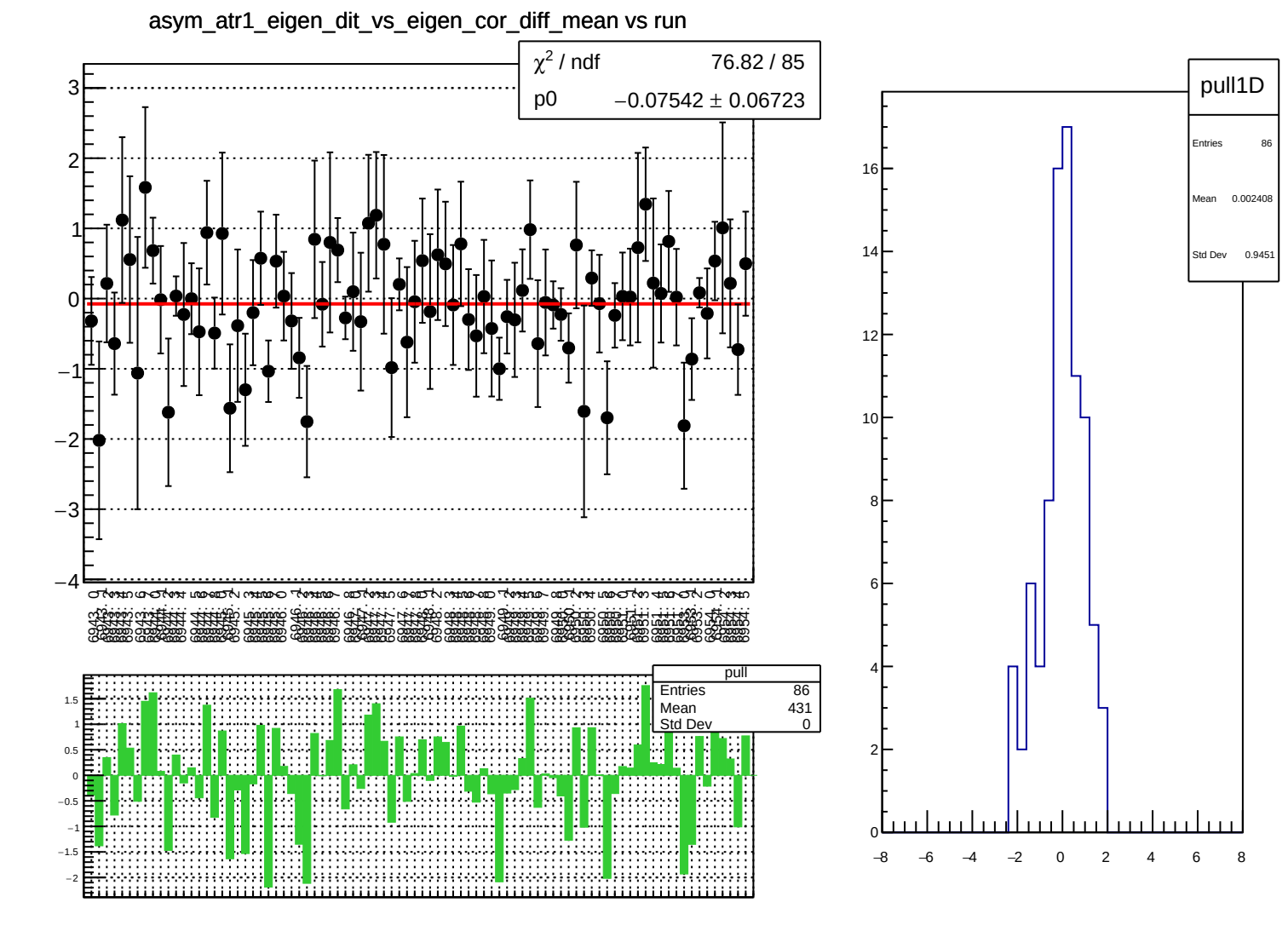

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.57 / 85
p0 −3.146e−06 ± 1.62e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 217.7
Std Dev 0
2
1
0
−1
−2

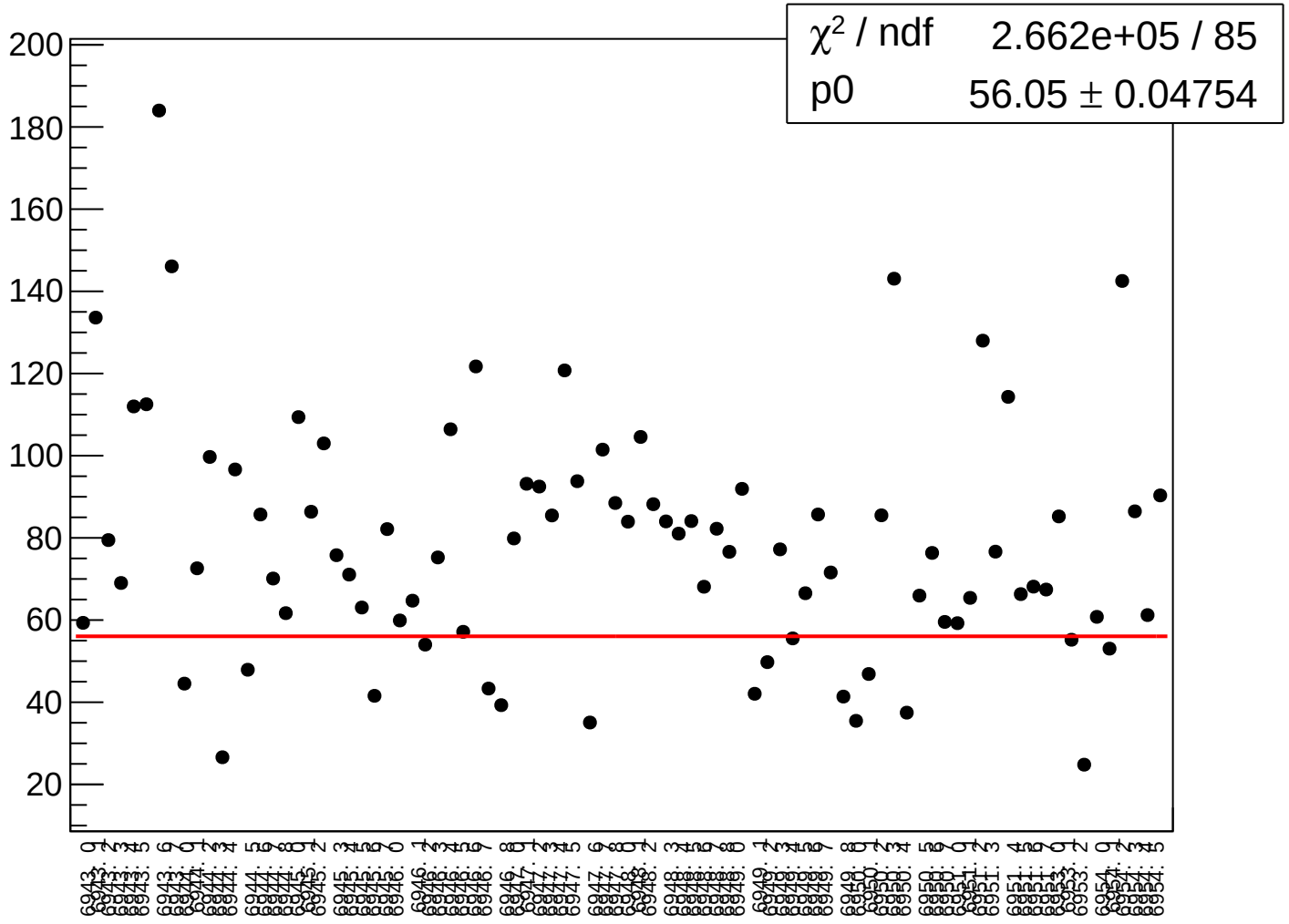

pull1D
Entries 86
Mean −0.01462
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

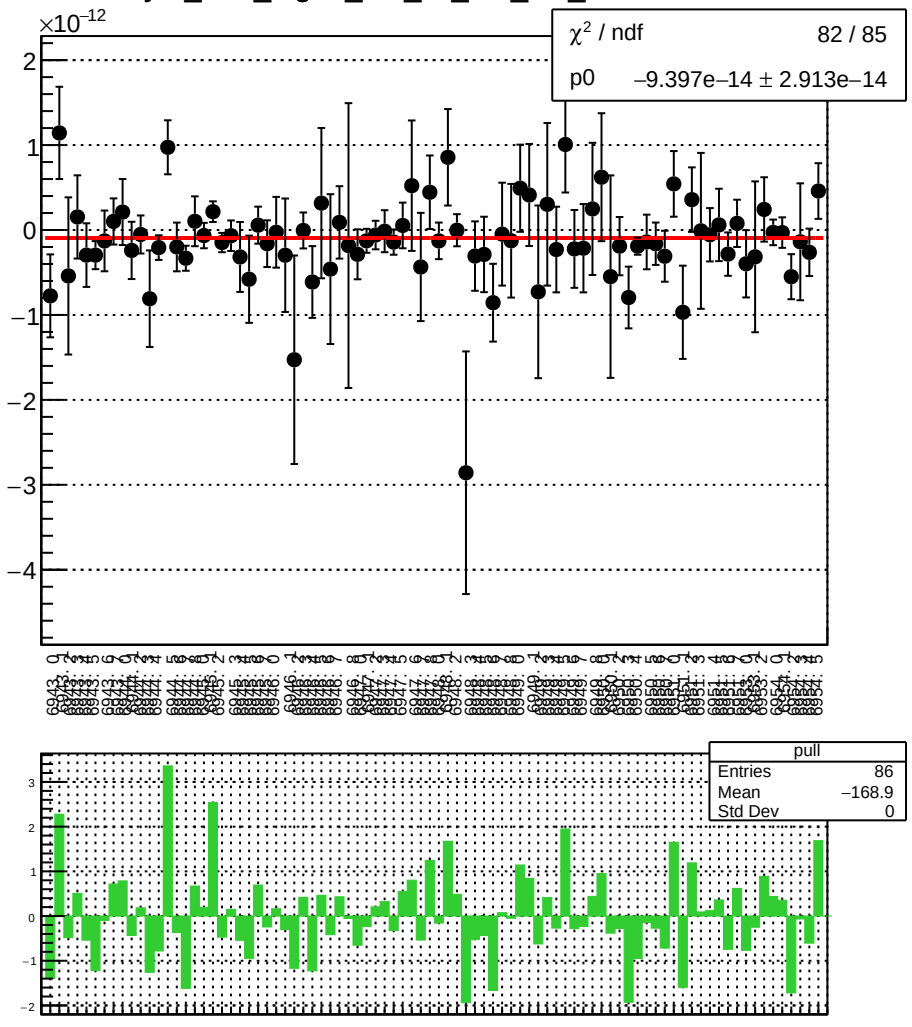

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6428 / 85
p0 0.001471 ± 1.145e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

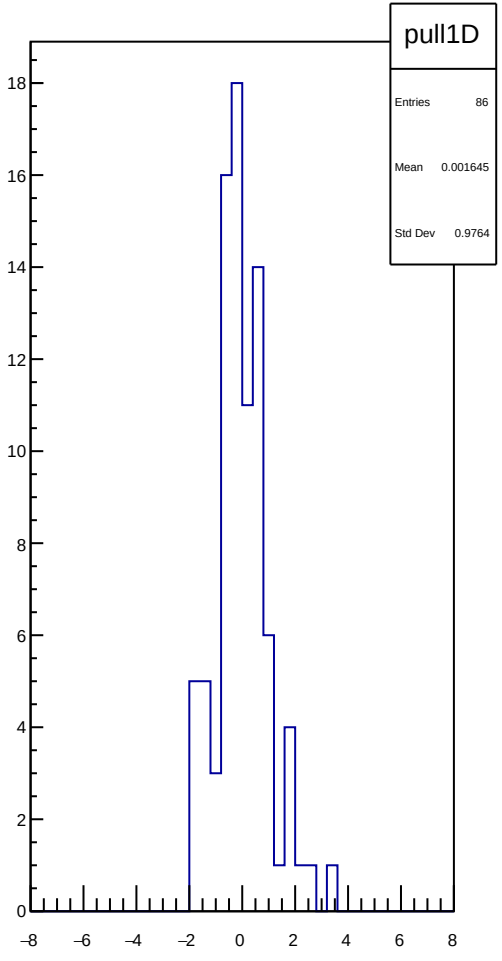

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.82 / 85
p0 −0.07542 ± 0.06723
pull
Entries 86
Mean 431
Std Dev 0
pull1D
Entries 86
Mean 0.002408
Std Dev 0.9451

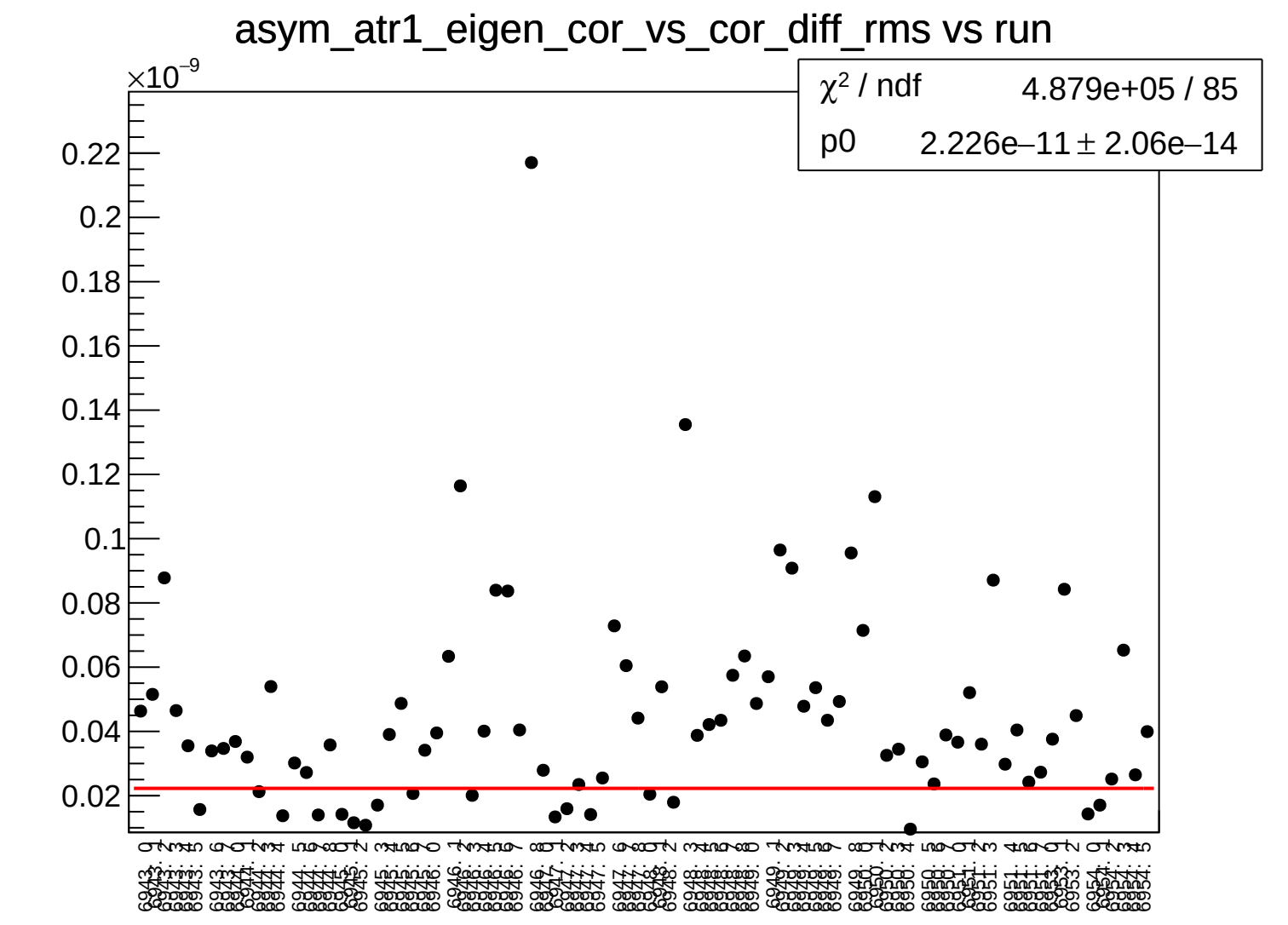

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.662e+05 / 85
p0 56.05 ± 0.04754
200
180
160
140
120
100
80
60
40
20

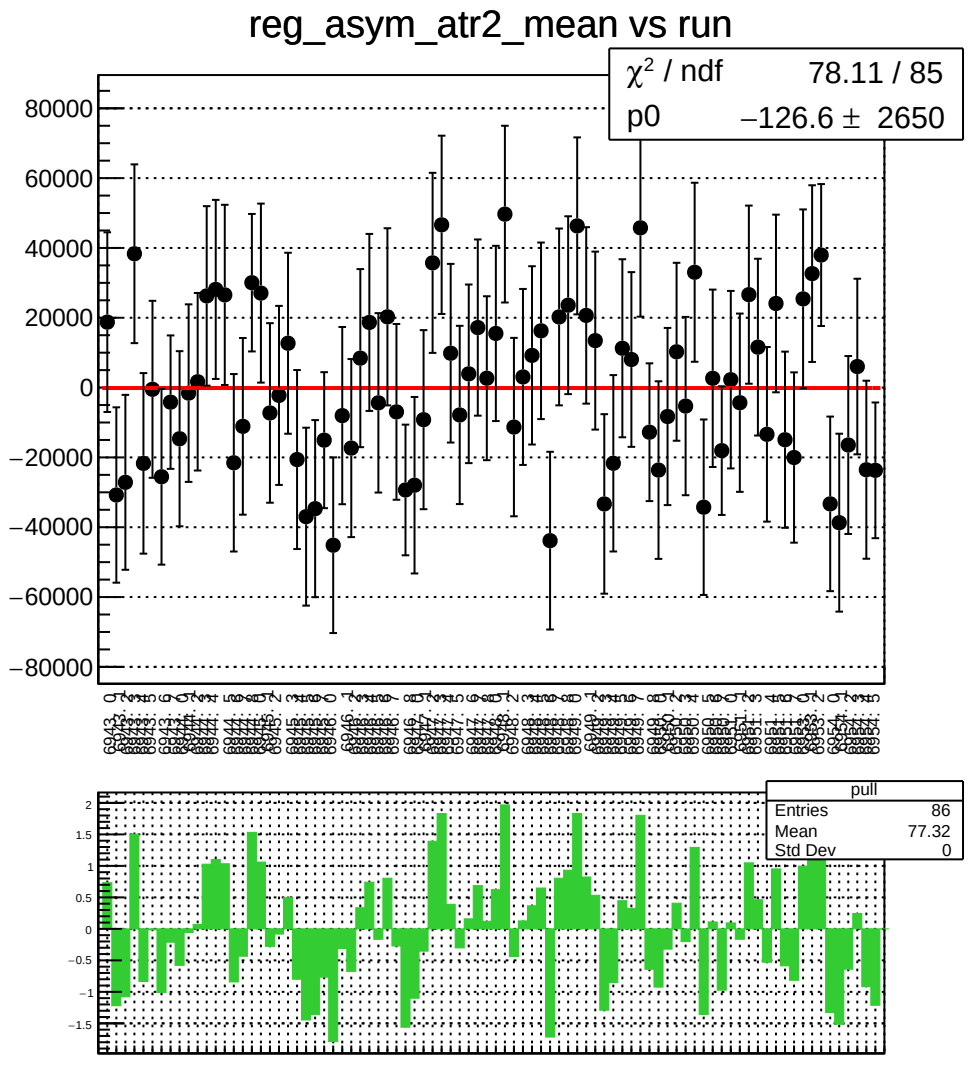

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.82 / 85
p0 −0.07542 ± 0.06723
pull
Entries 86
Mean 431
Std Dev 0
pull1D
Entries 86
Mean 0.002408
Std Dev 0.9451

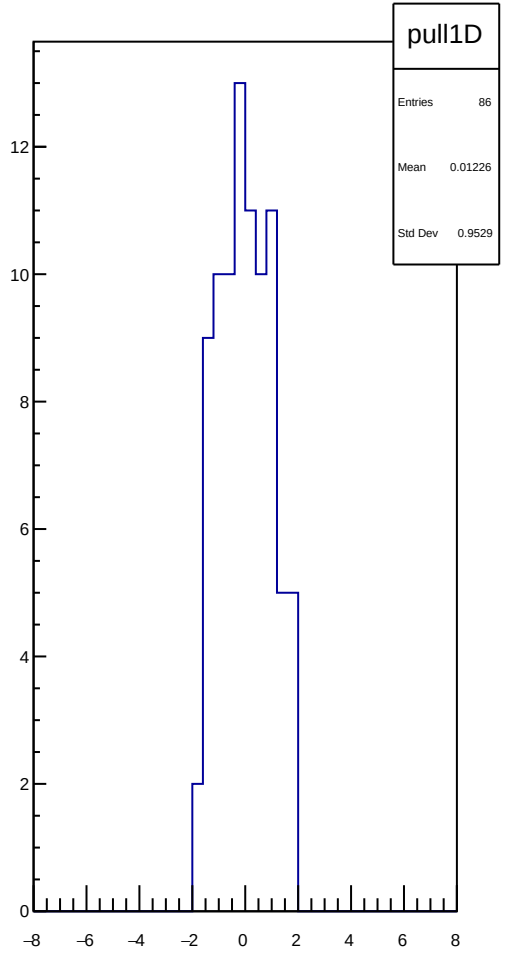

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.662e+05 / 85
p0 56.05 ± 0.04754
200
180
160
140
120
100
80
60
40
20

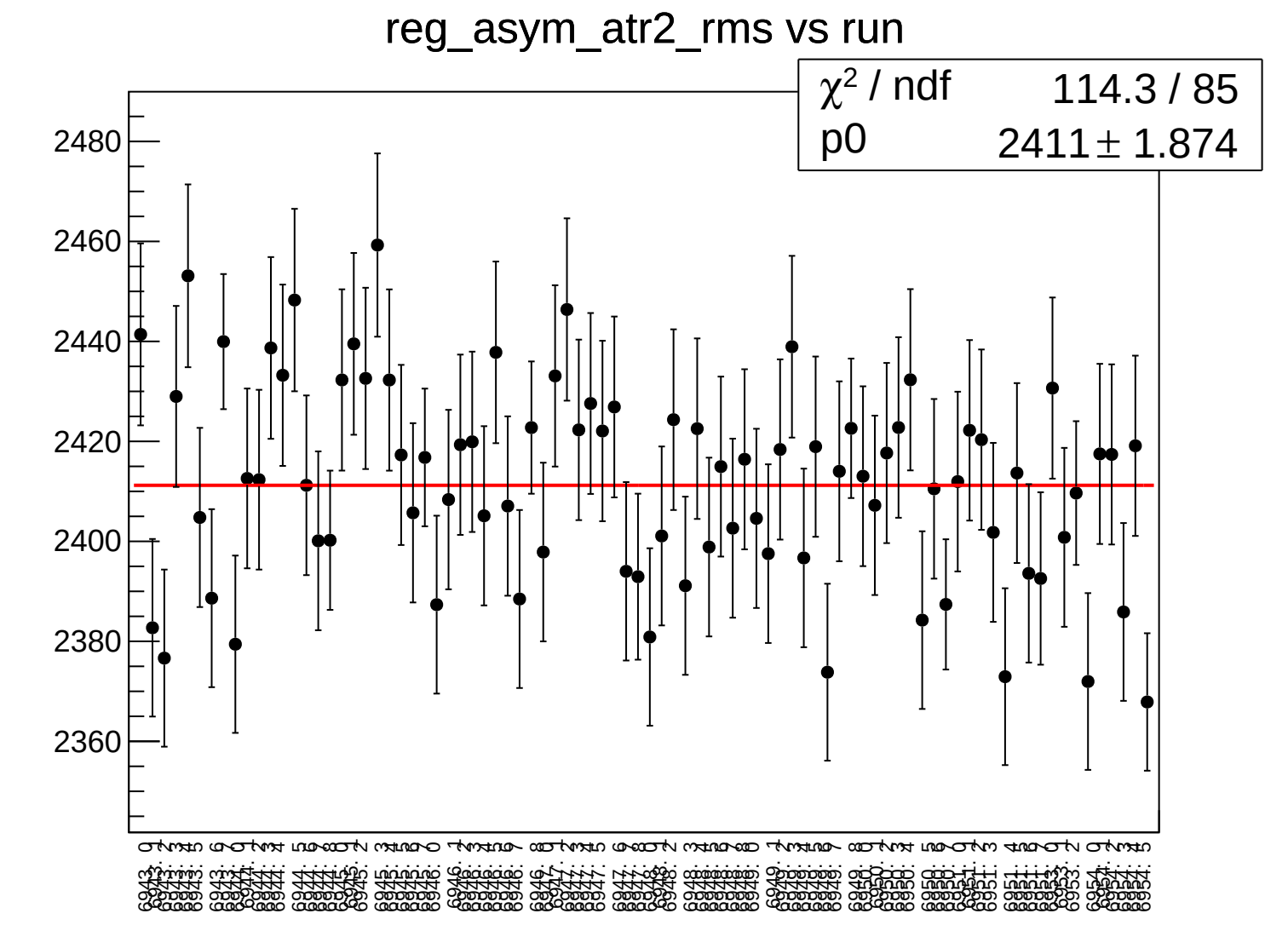

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82 / 85
p0 −9.397e−14 ± 2.913e−14
pull
Entries 86
Mean −168.9
Std Dev 0

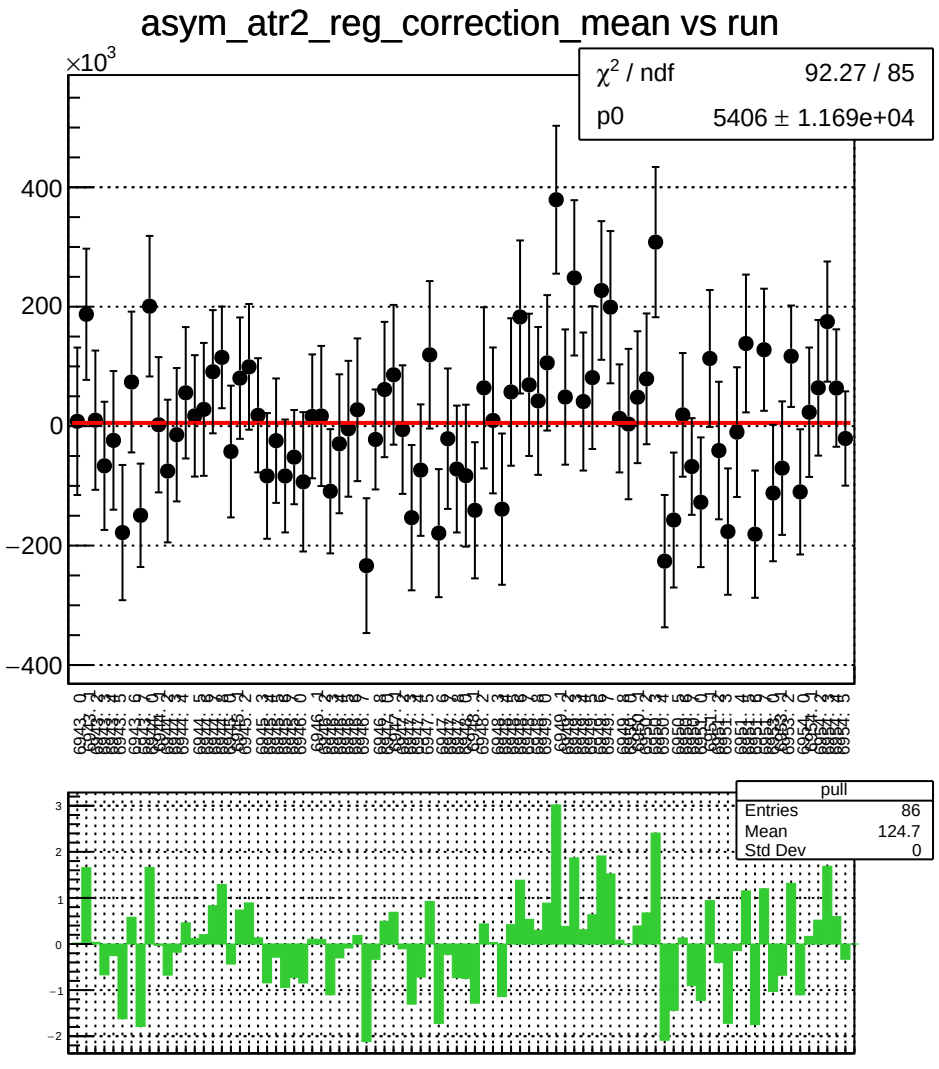

pull1D
Entries 86
Mean 0.001645
Std Dev 0.9764

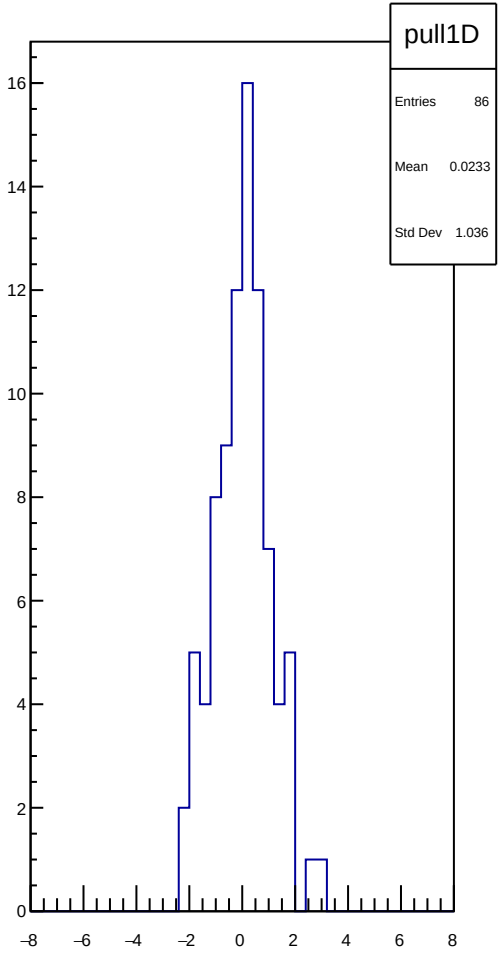

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.879e+05 / 85
p0 2.226e−11 ± 2.06e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

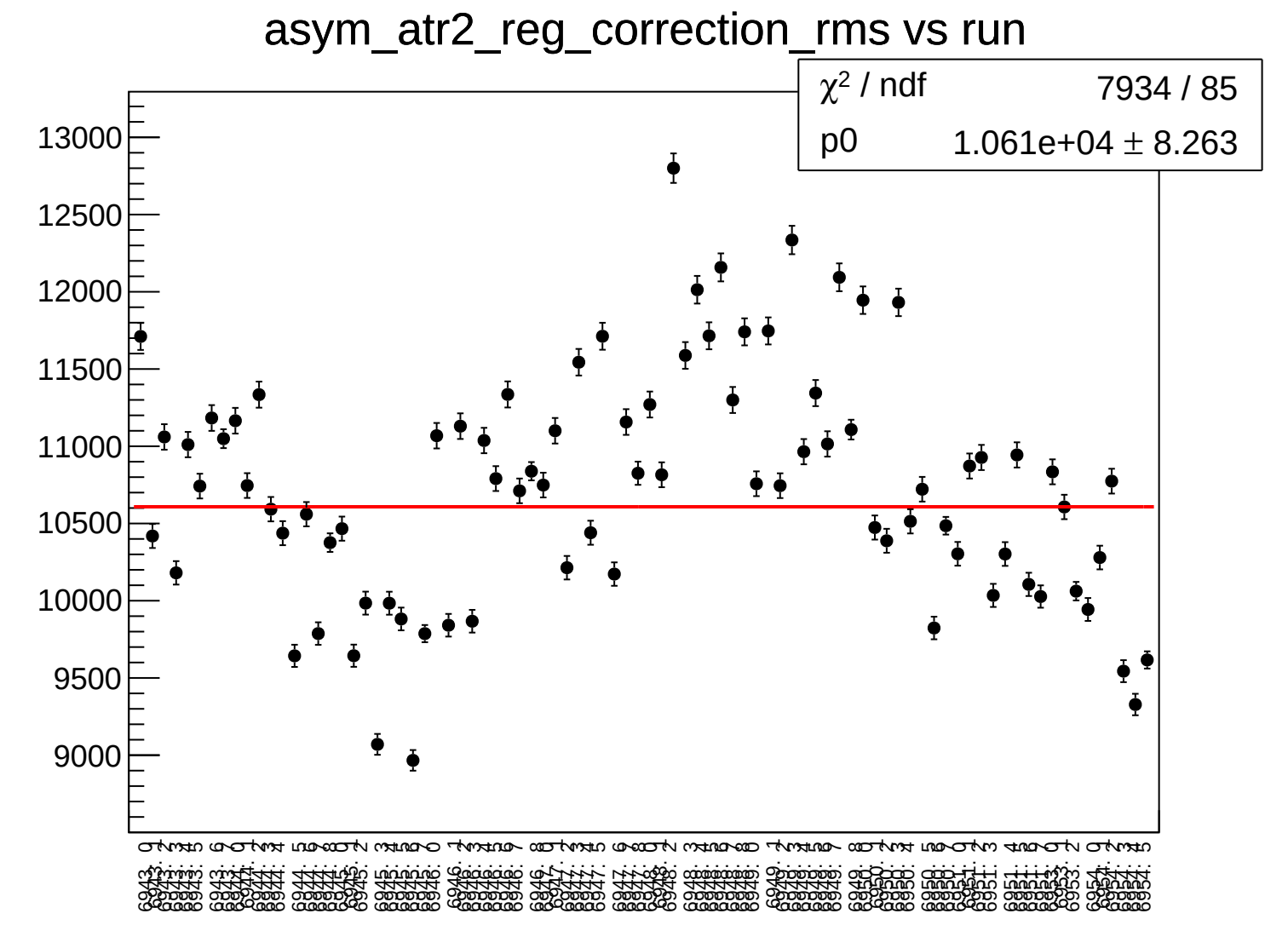

reg_asym_atr2_mean vs run
χ² / ndf 78.11 / 85
p0 −126.6 ± 2650
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 77.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

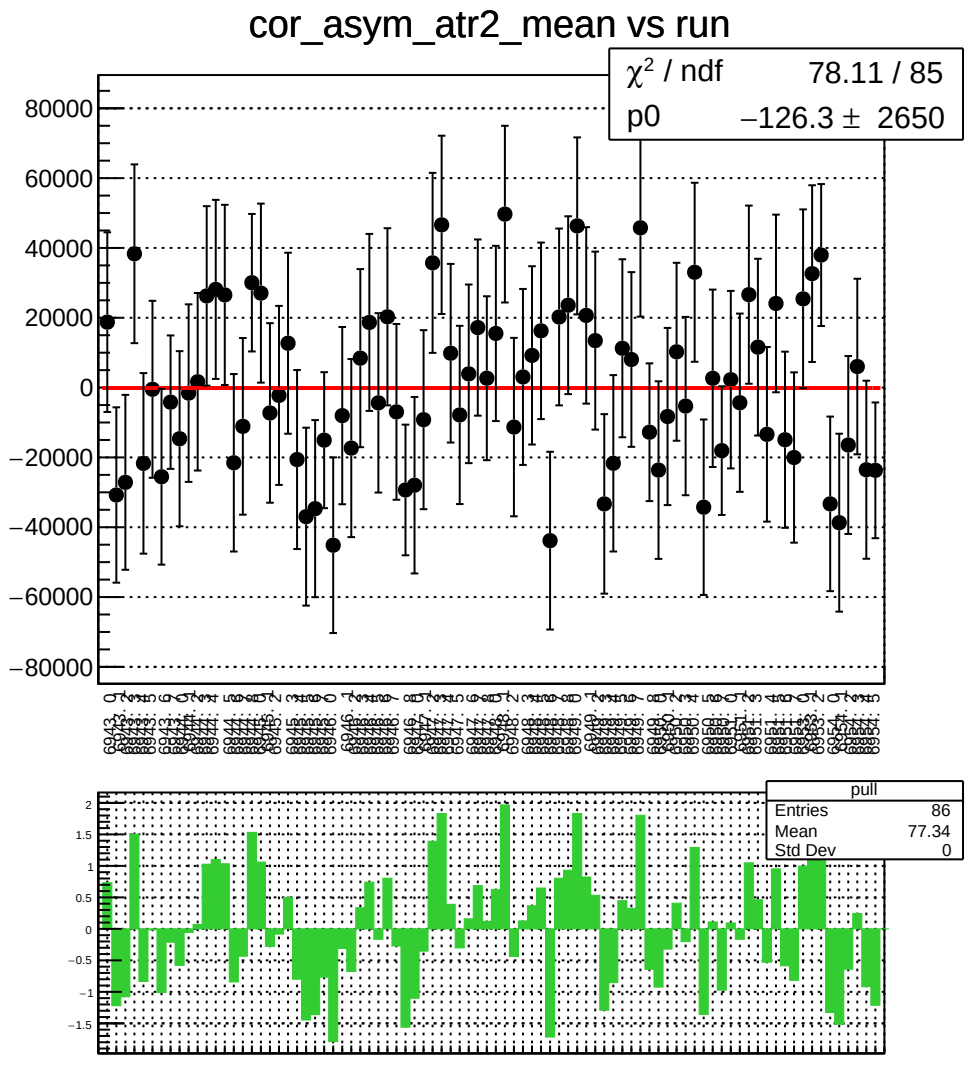

pull1D
Entries 86
Mean 0.01226
Std Dev 0.9529
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

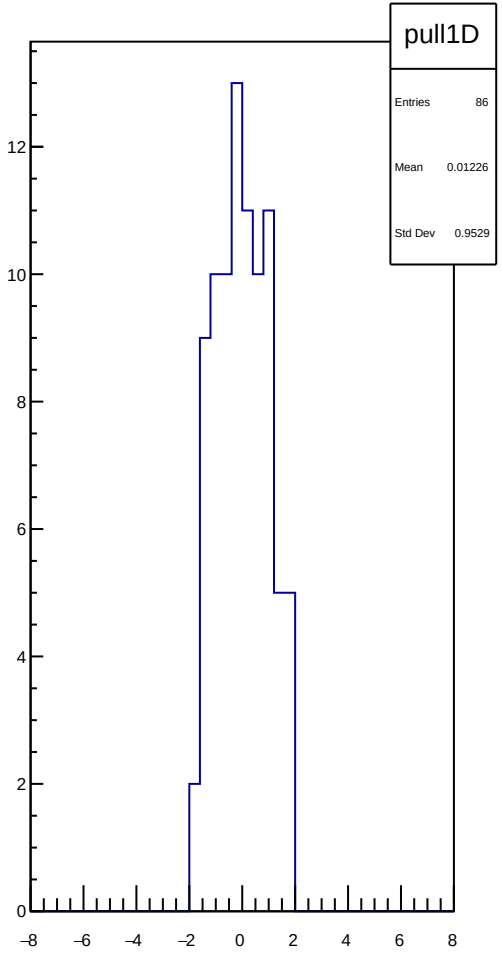

reg_asym_atr2_rms vs run
χ² / ndf 114.3 / 85
p0 2411 ± 1.874
2480
2460
2440
2420
2400
2380
2360

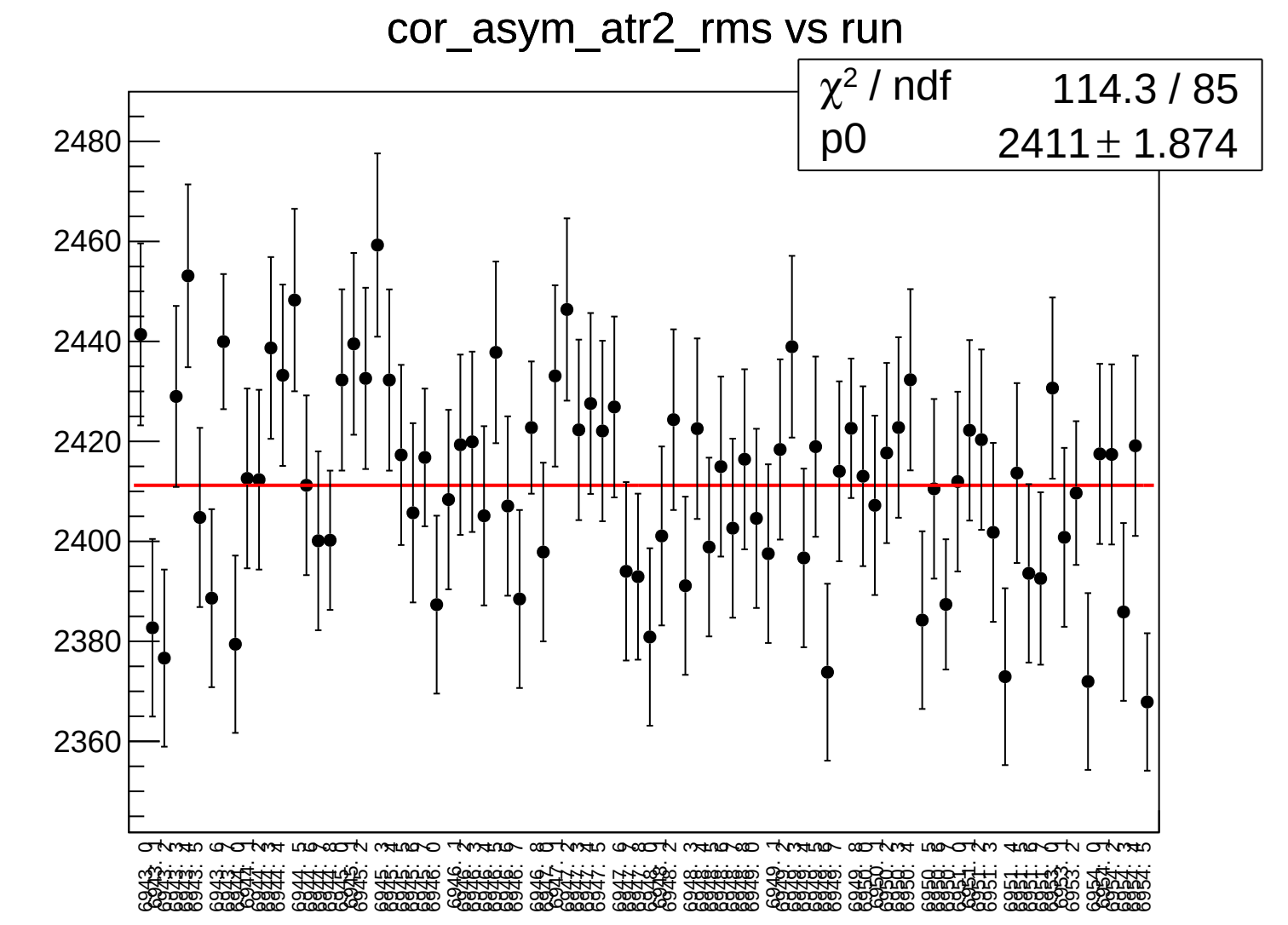

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 92.27 / 85
p0 5406 ± 1.169e+04
400
200
0
−200
−400
pull
Entries 86
Mean 124.7
Std Dev 0
3
2
1
0
−1
−2

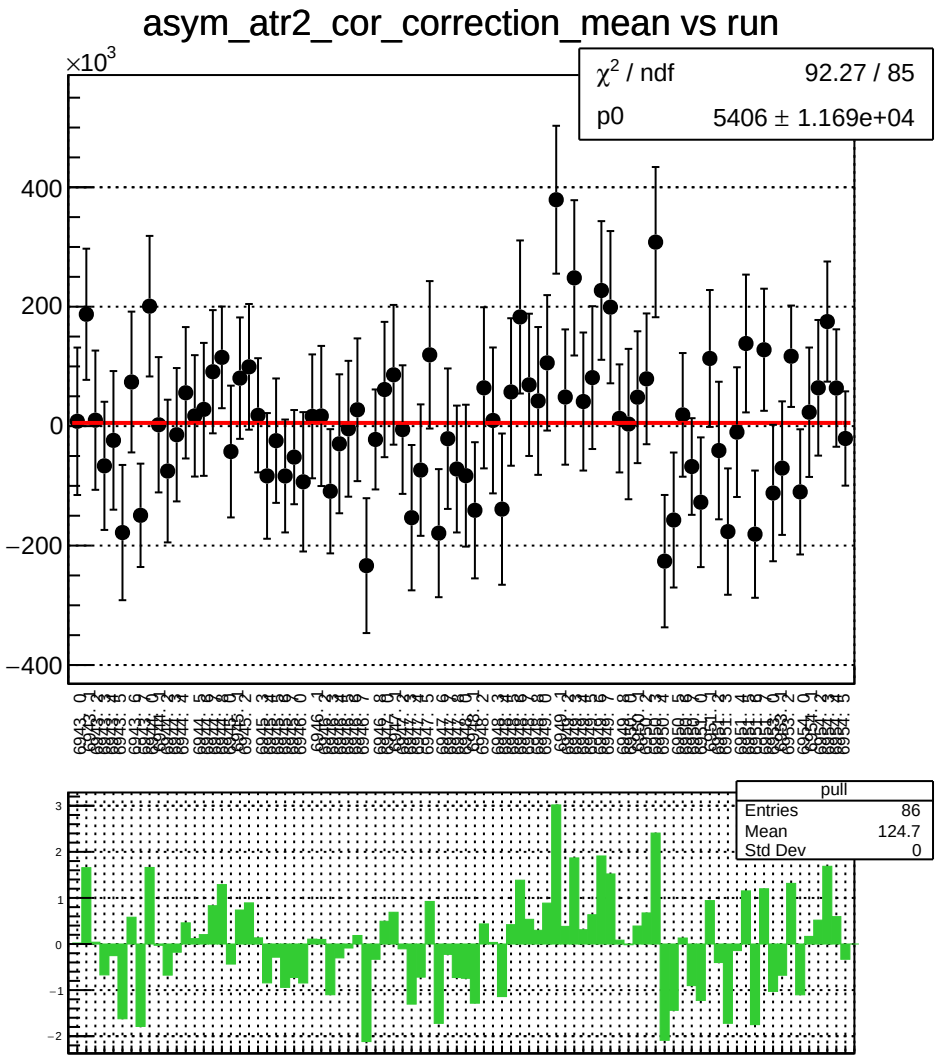

pull1D
Entries 86
Mean 0.0233
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

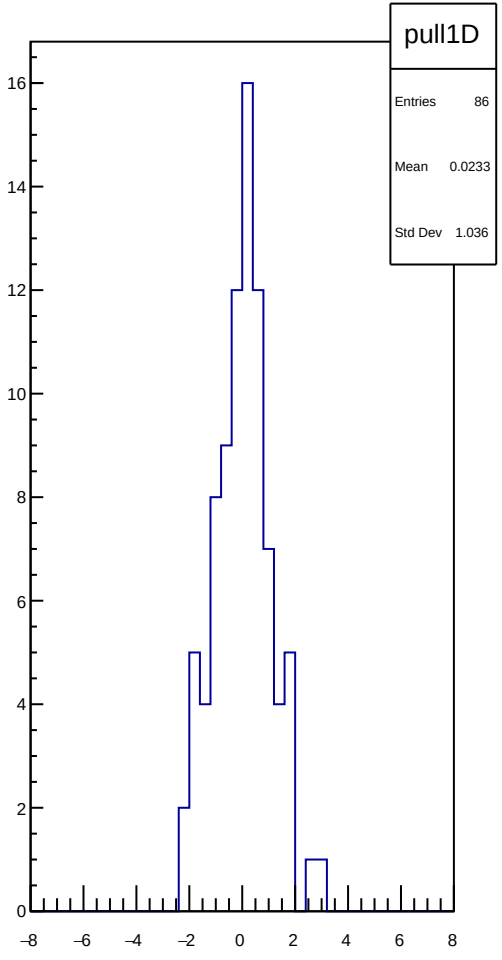

asym_atr2_reg_correction_rms vs run
χ² / ndf 7934 / 85
p0 1.061e+04 ± 8.263
13000
12500
12000
11500
11000
10500
10000
9500
9000

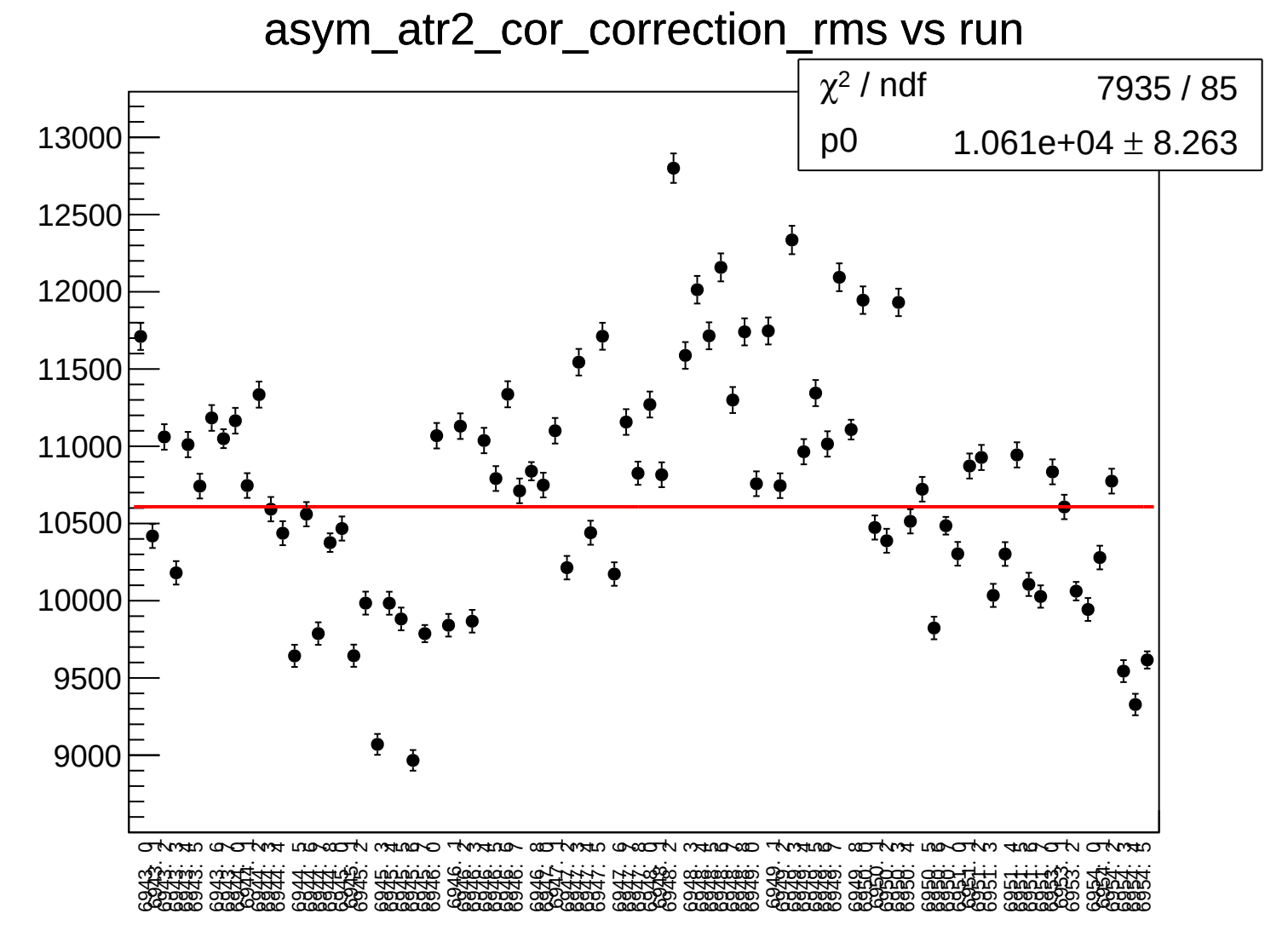

cor_asym_atr2_mean vs run
χ² / ndf 78.11 / 85
p0 −126.3 ± 2650
pull
Entries 86
Mean 77.34
Std Dev 0

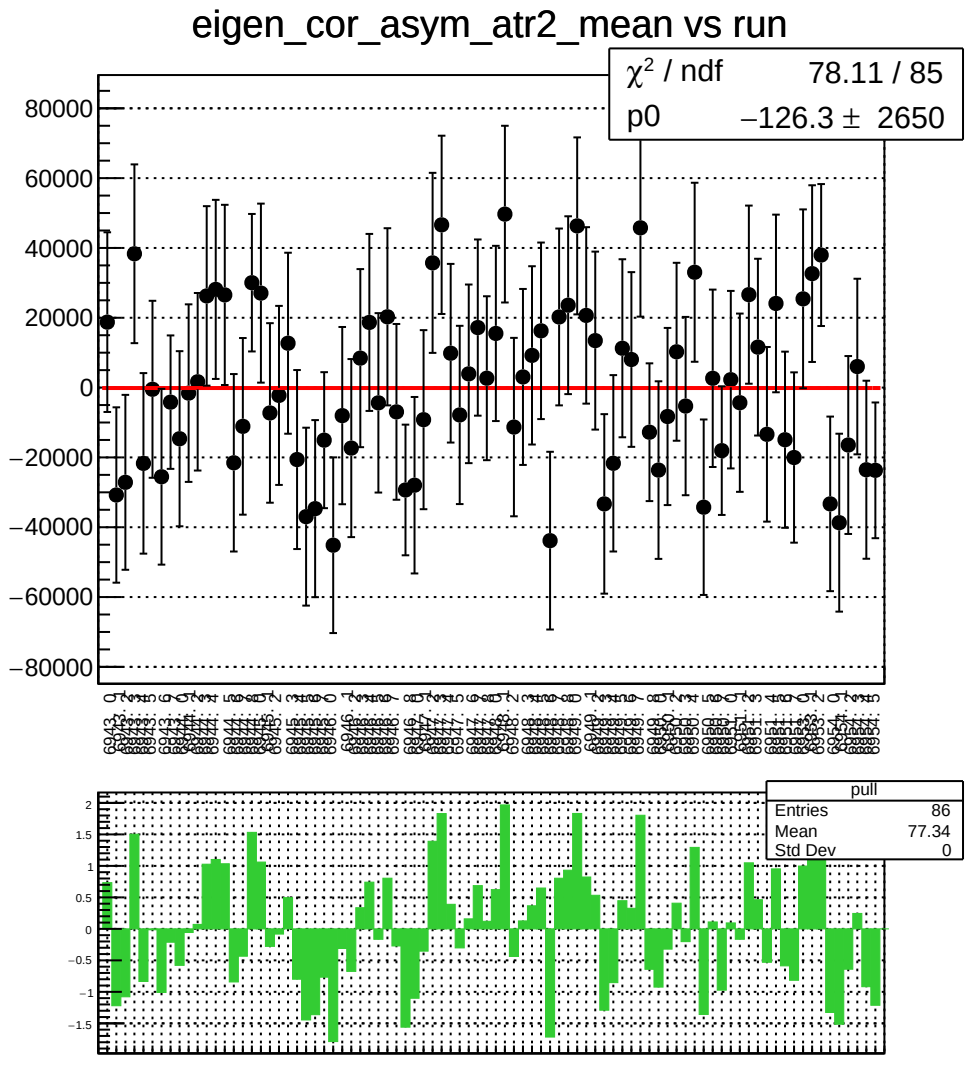

pull1D
Entries 86
Mean 0.01226
Std Dev 0.9529

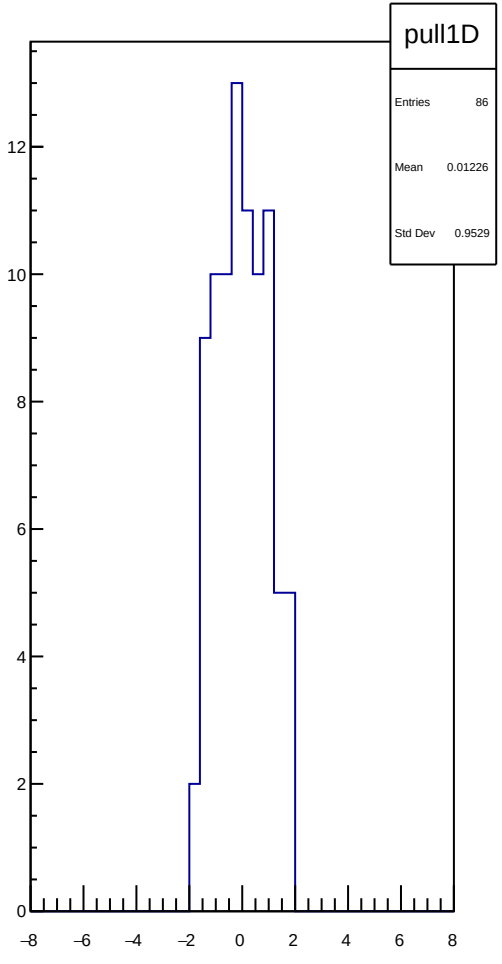

cor_asym_atr2_rms vs run
χ² / ndf 114.3 / 85
p0 2411 ± 1.874
2480
2460
2440
2420
2400
2380
2360

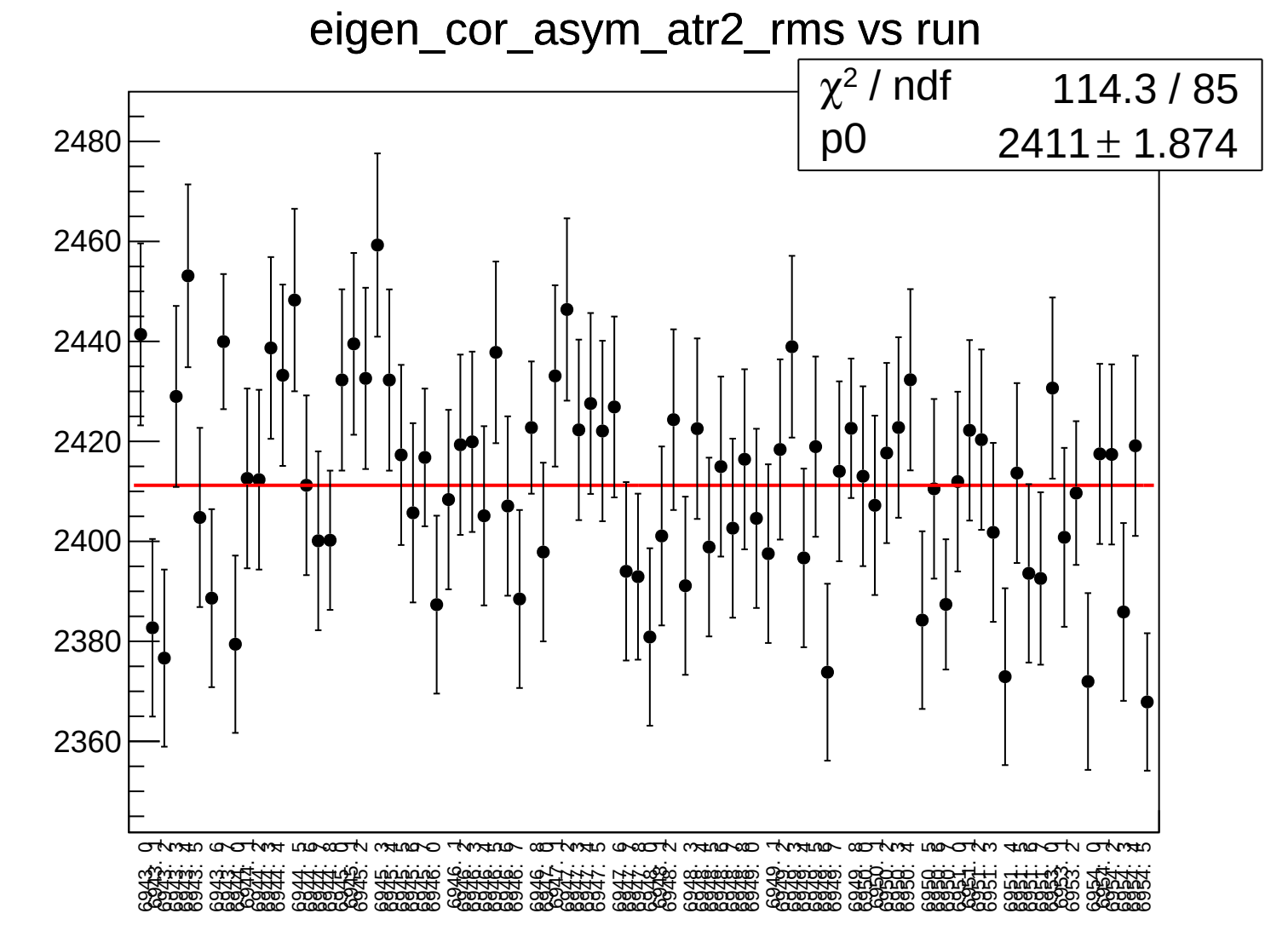

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 92.27 / 85
p0 5406 ± 1.169e+04
400
200
0
−200
−400
pull
Entries 86
Mean 124.7
Std Dev 0
3
2
1
0
−1
−2

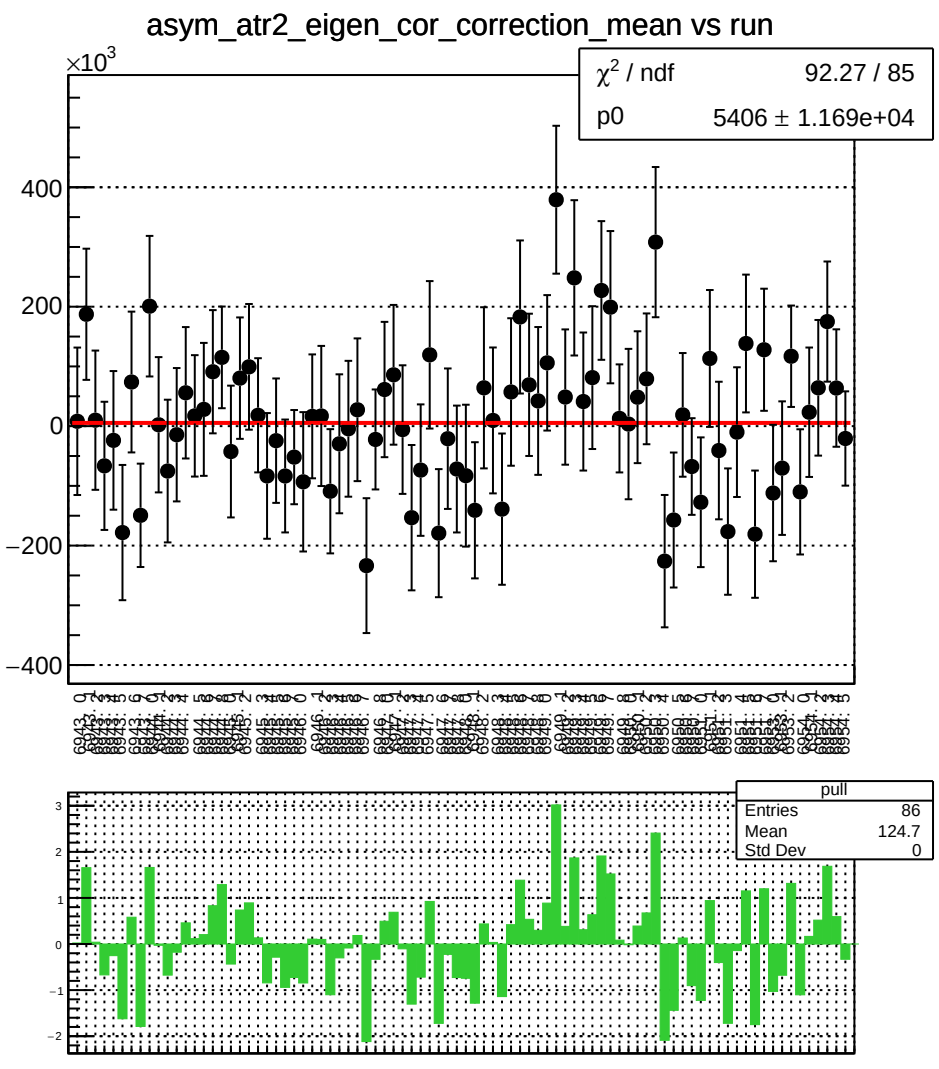

pull1D
Entries 86
Mean 0.0233
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

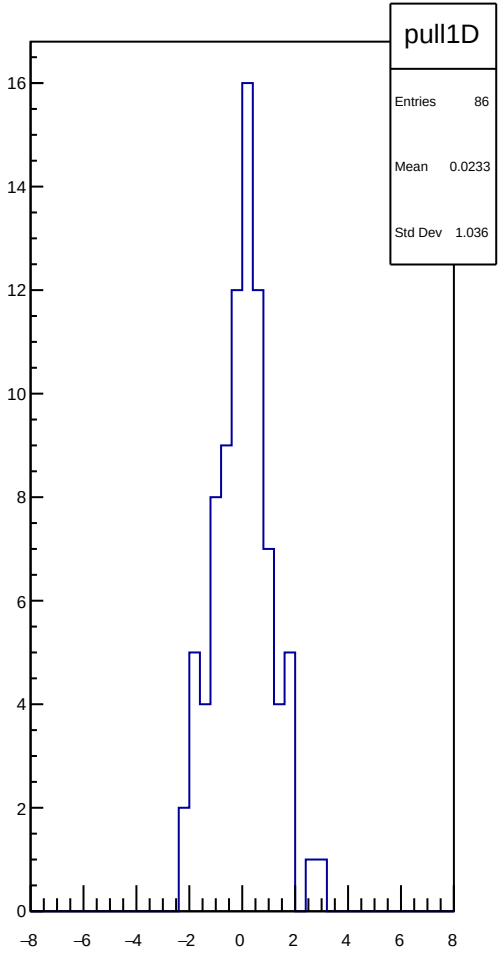

asym_atr2_cor_correction_rms vs run
χ² / ndf 7935 / 85
p0 1.061e+04 ± 8.263
13000
12500
12000
11500
11000
10500
10000
9500
9000

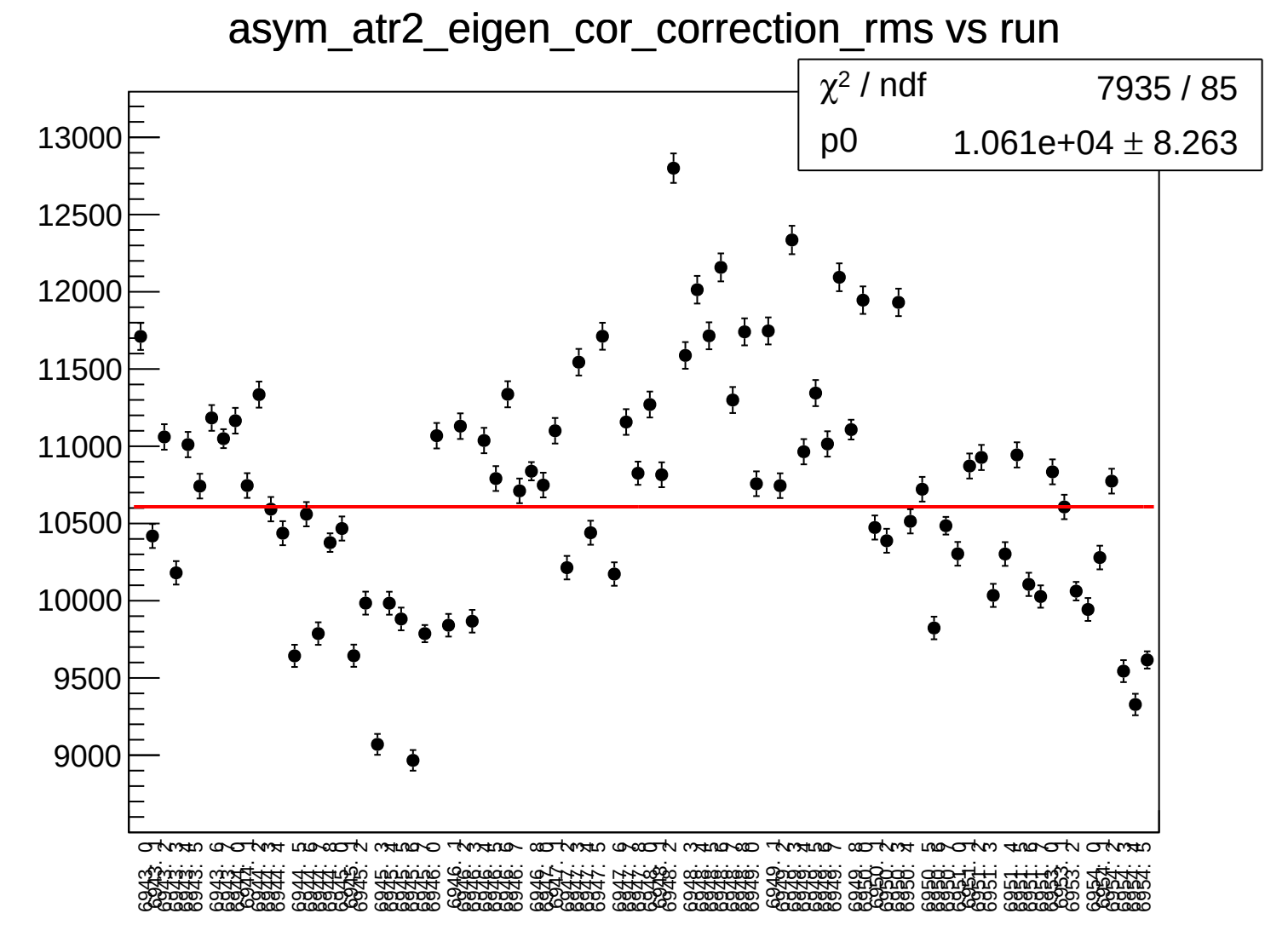

eigen_cor_asym_atr2_mean vs run
χ² / ndf 78.11 / 85
p0 −126.3 ± 2650
pull
Entries 86
Mean 77.34
Std Dev 0

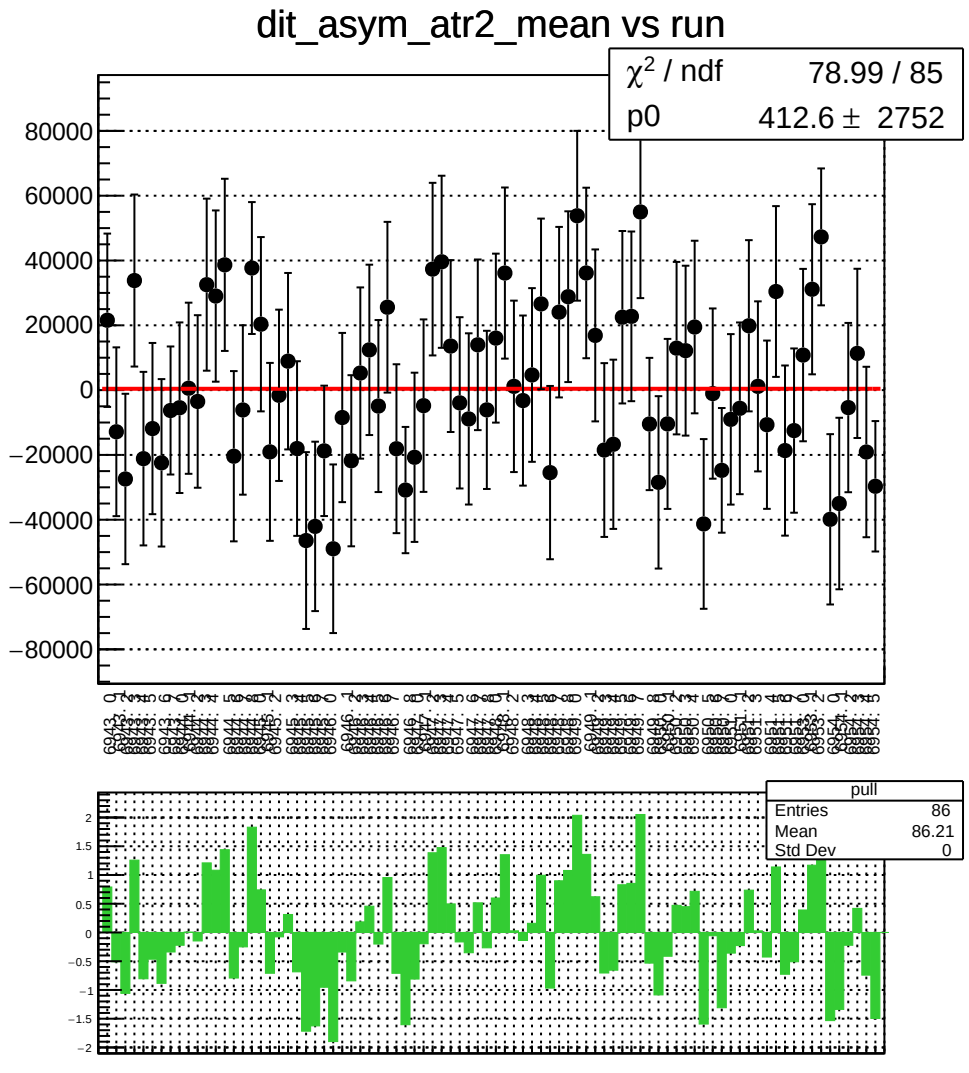

pull1D
Entries 86
Mean 0.01226
Std Dev 0.9529

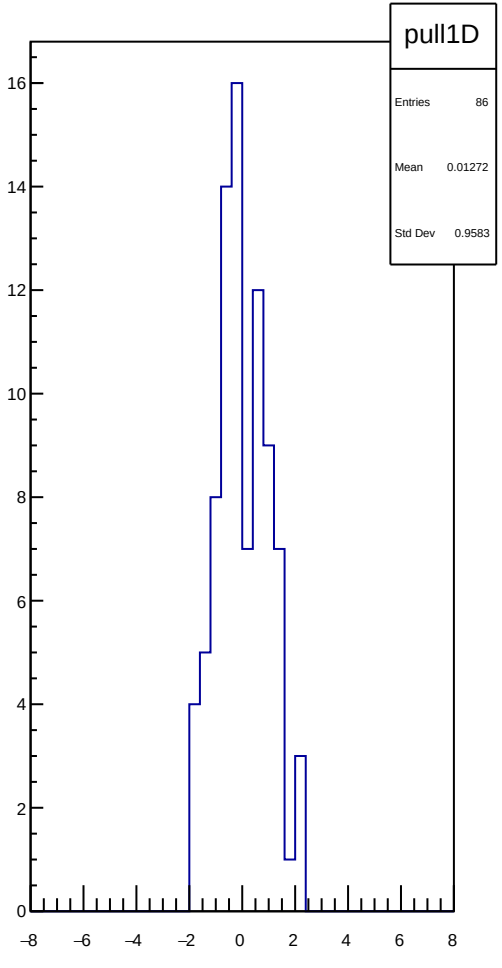

eigen_cor_asym_atr2_rms vs run
χ² / ndf 114.3 / 85
p0 2411 ± 1.874
2480
2460
2440
2420
2400
2380
2360

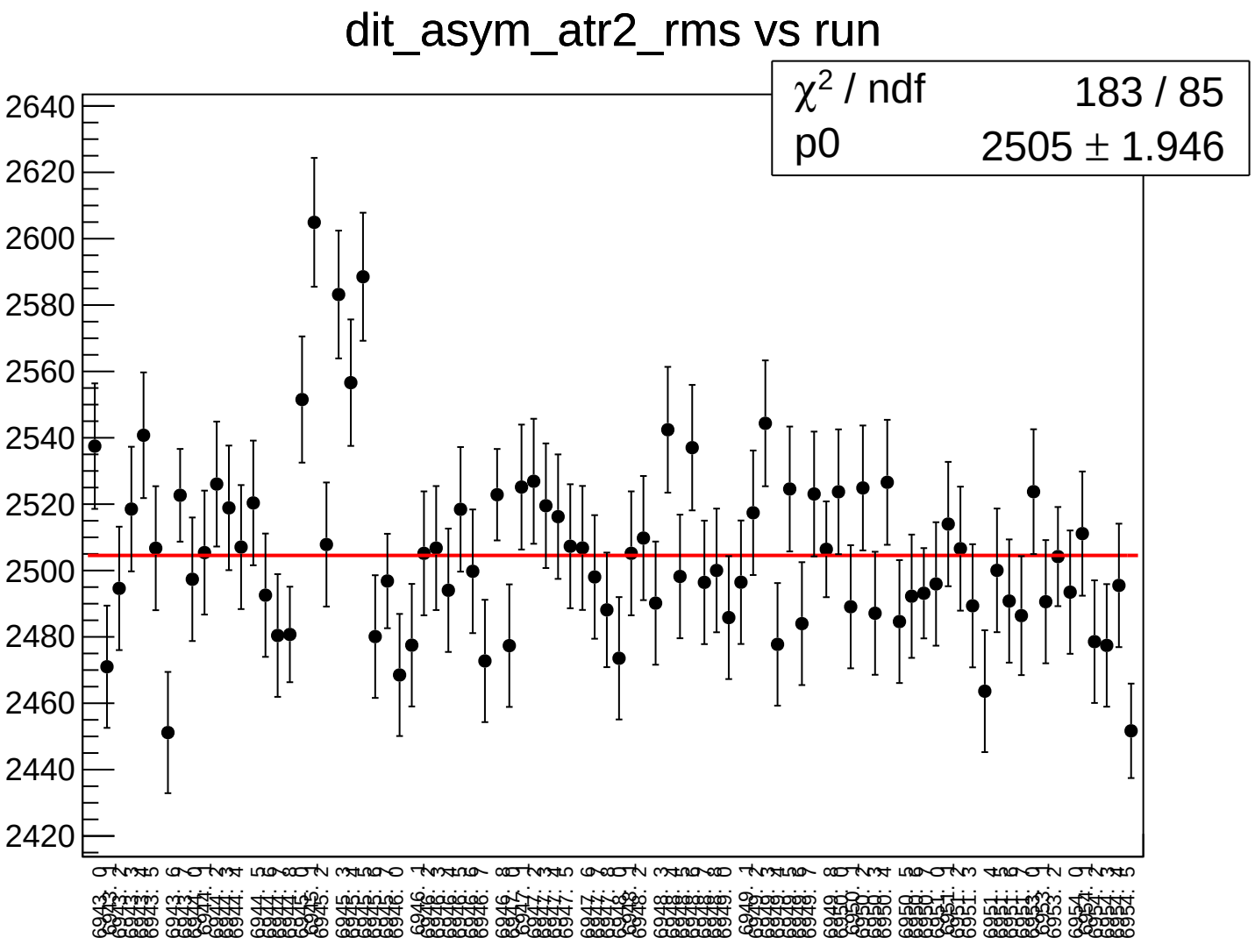

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.27 / 85
p0 5406 ± 1.169e+04
400
200
0
−200
−400
pull
Entries 86
Mean 124.7
Std Dev 0
3
2
1
0
−1
−2

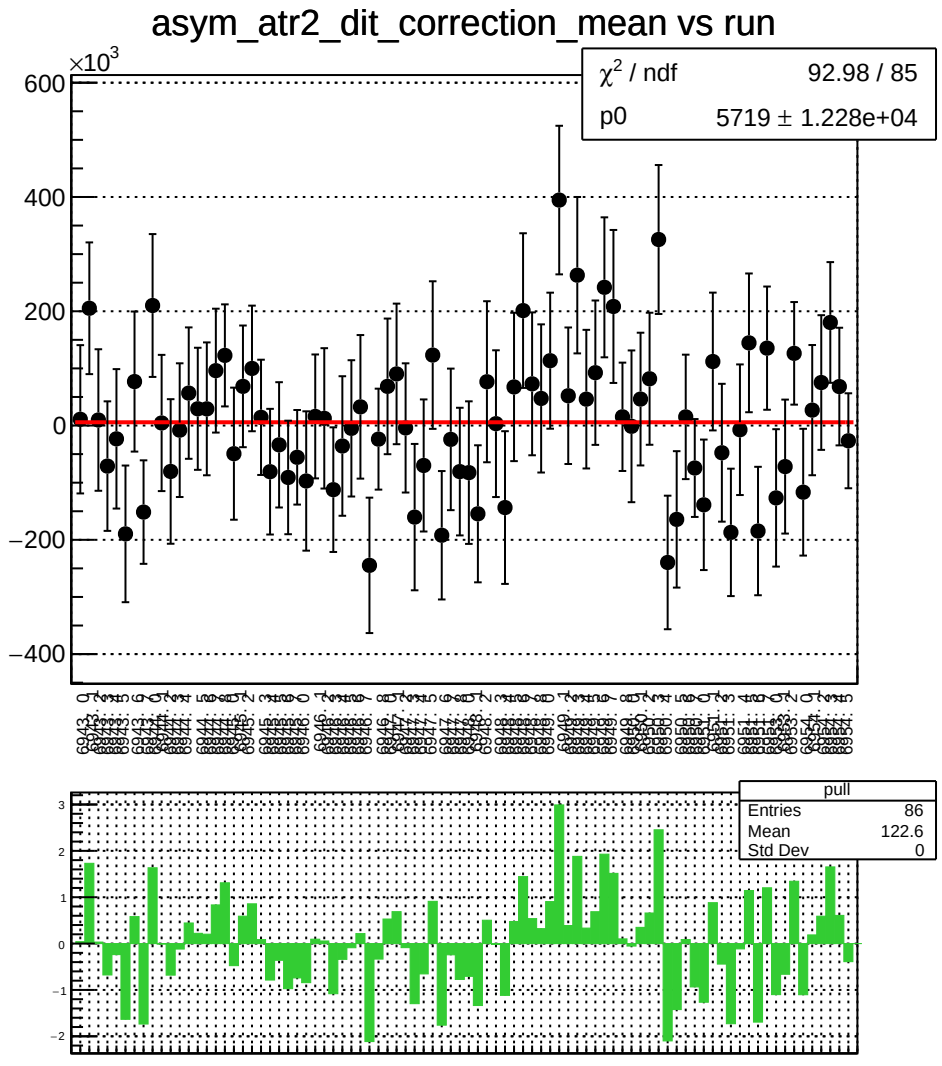

pull1D
Entries 86
Mean 0.0233
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

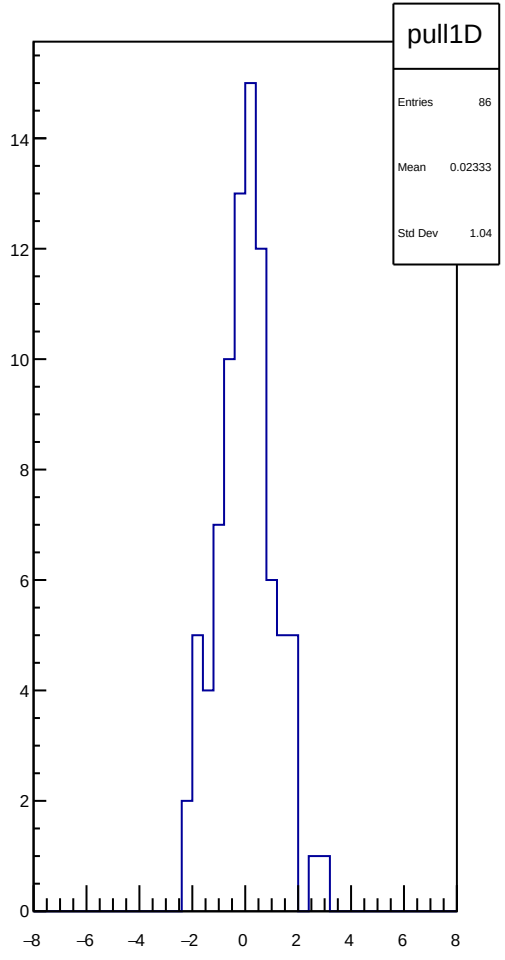

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 7935 / 85
p0 1.061e+04 ± 8.263
13000
12500
12000
11500
11000
10500
10000
9500
9000

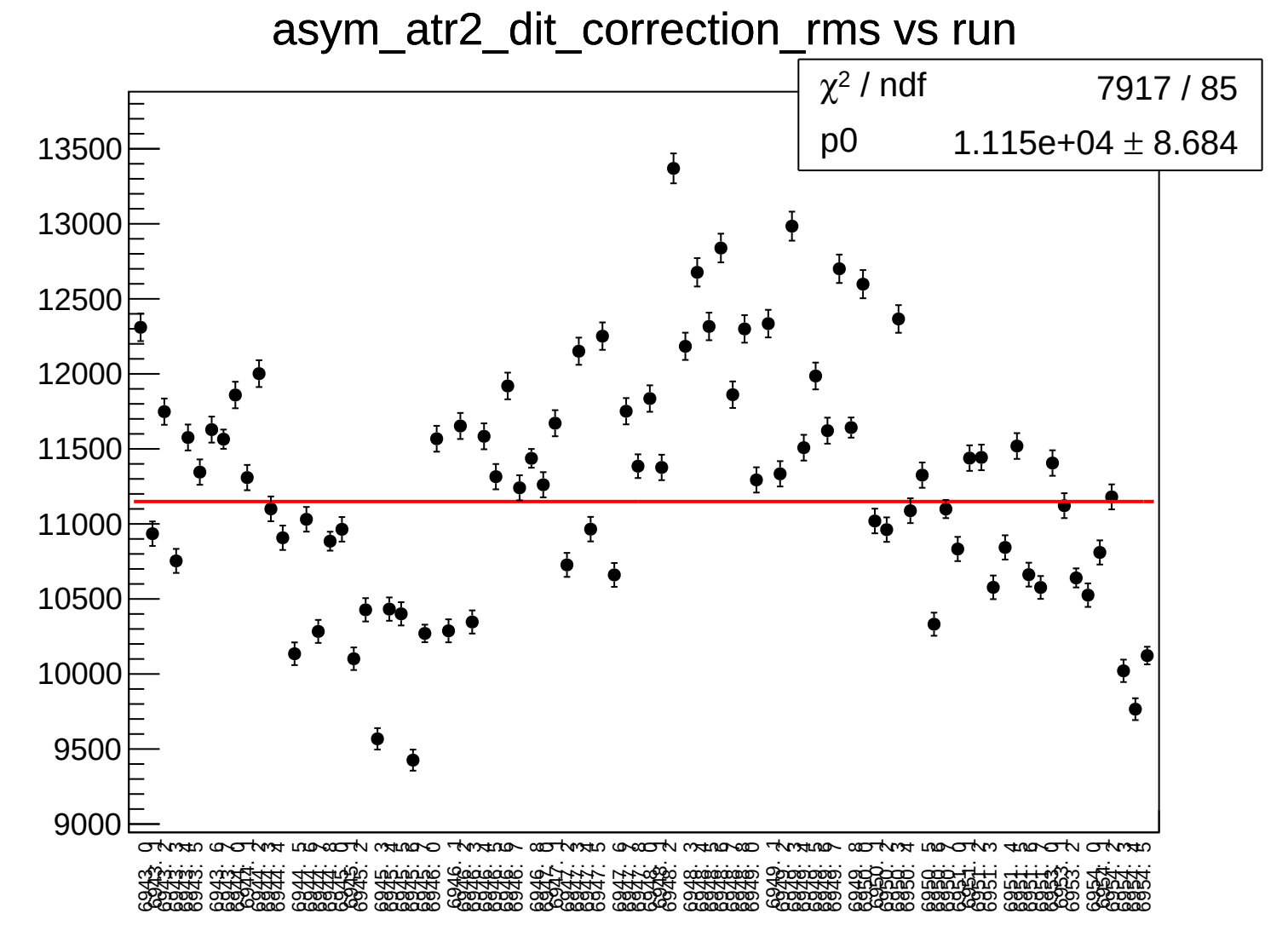

dit_asym_atr2_mean vs run
χ² / ndf 78.99 / 85
p0 412.6 ± 2752
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 86.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

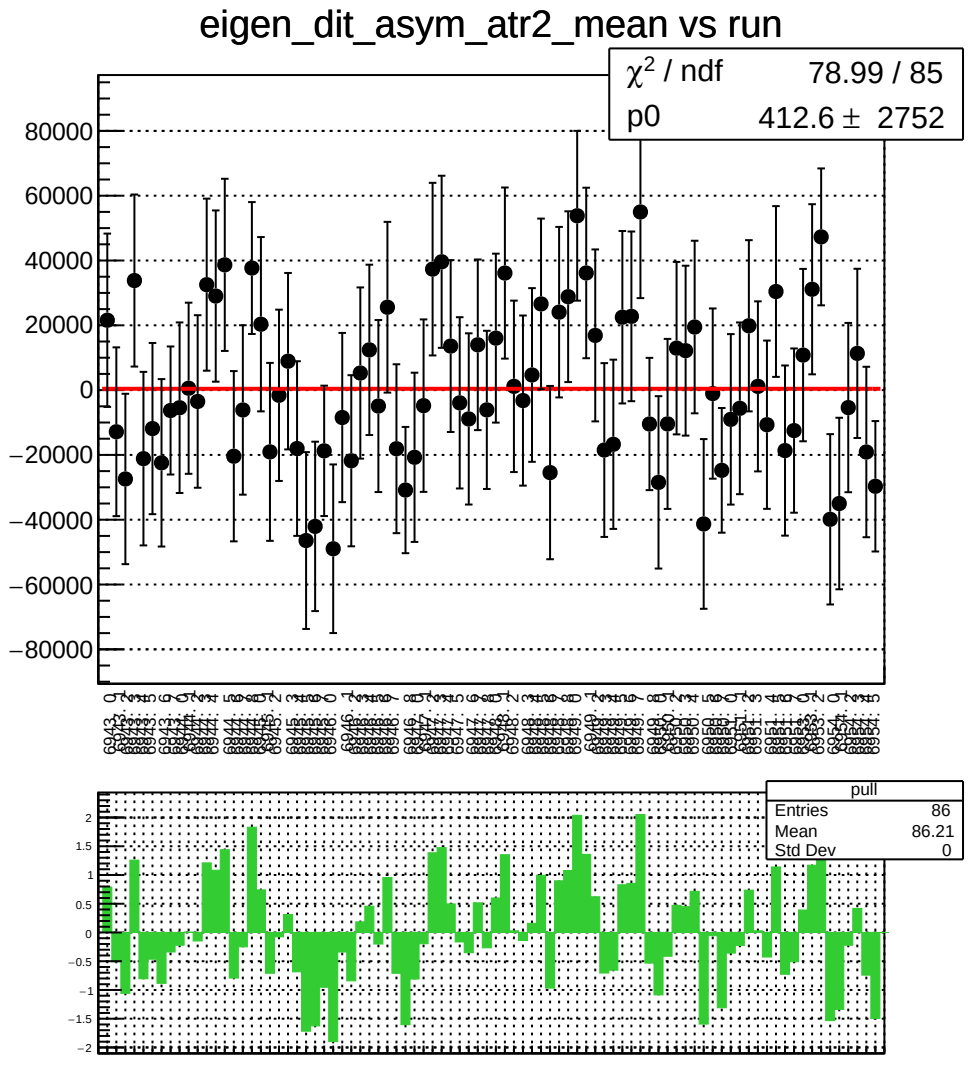

pull1D
Entries 86
Mean 0.01272
Std Dev 0.9583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

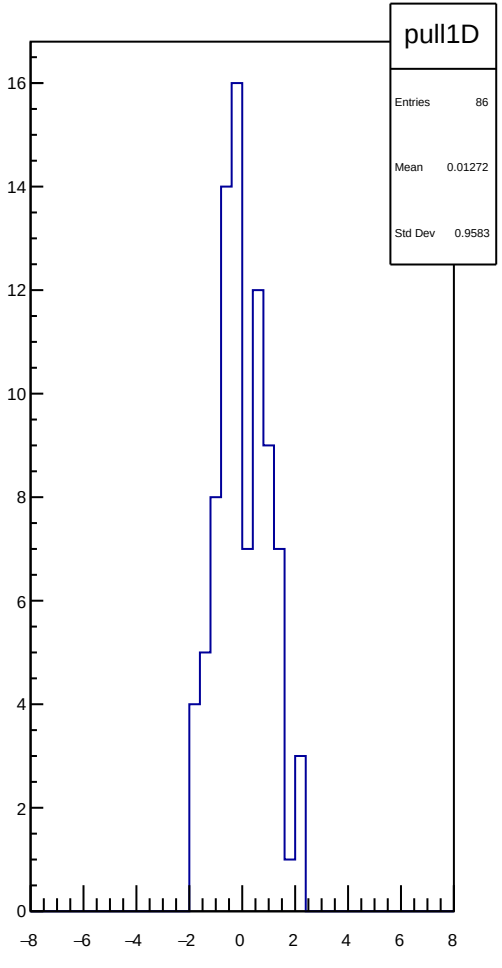

dit_asym_atr2_rms vs run
χ² / ndf 183 / 85
p0 2505 ± 1.946
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420

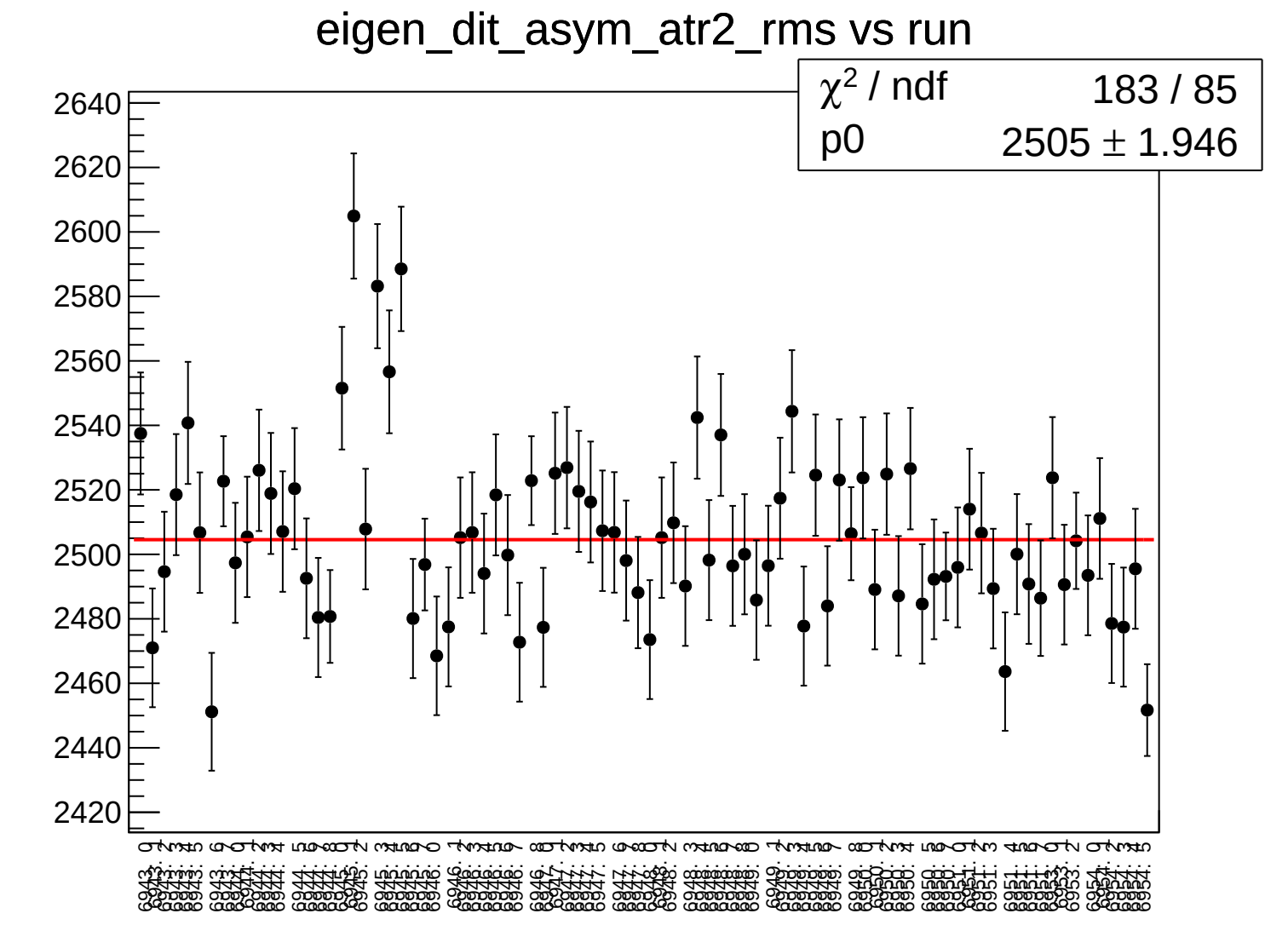

asym_atr2_dit_correction_mean vs run
χ^2 / ndf 92.98 / 85
p0 5719 ± 1.228e+04
×10^3
600
400
200
0
−200
−400
pull
Entries 86
Mean 122.6
Std Dev 0
3
2
1
0
−1
−2

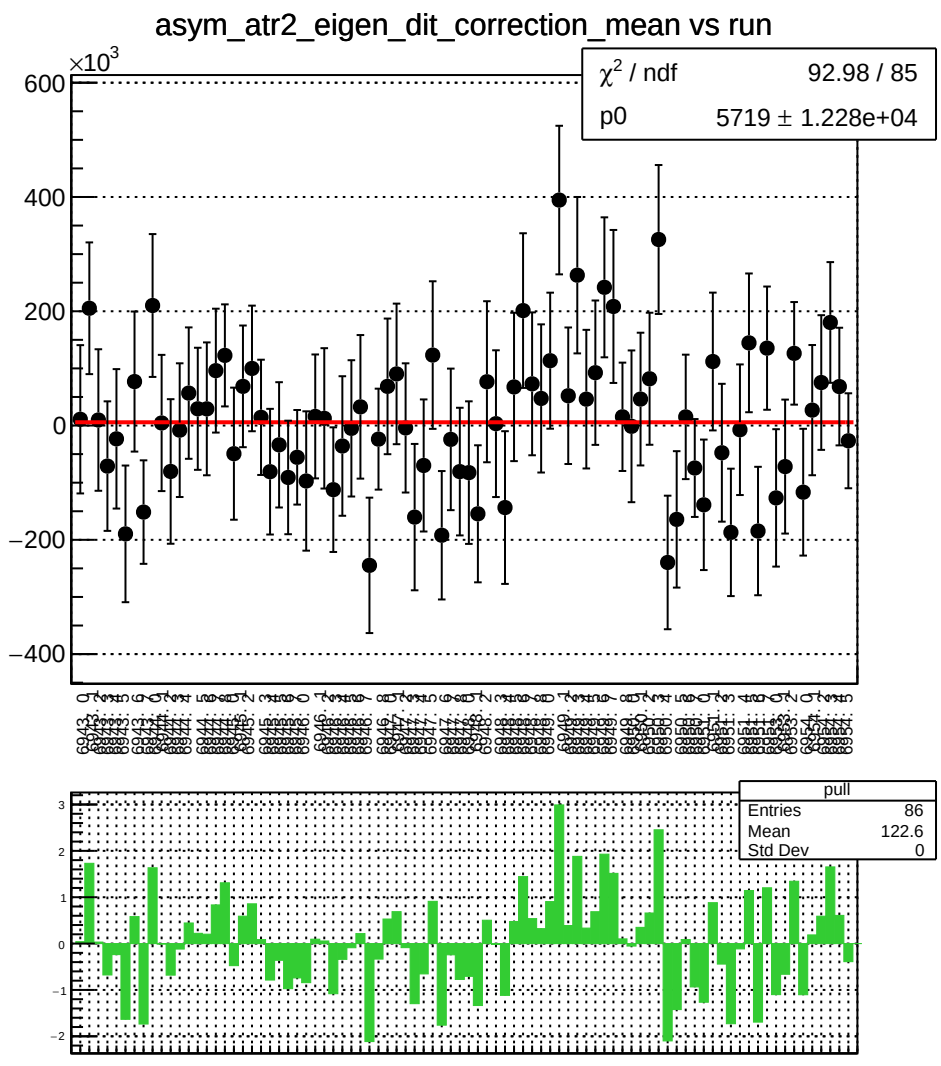

pull1D
Entries 86
Mean 0.02333
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

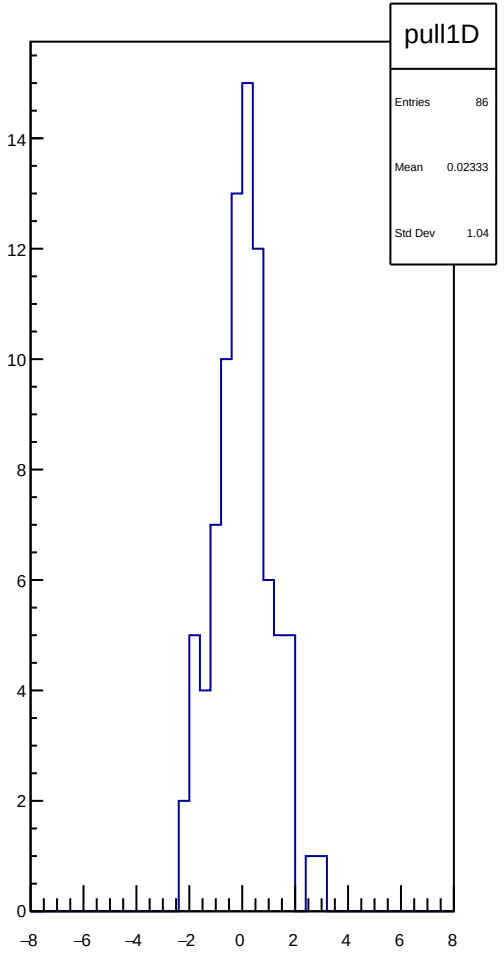

asym_atr2_dit_correction_rms vs run
χ² / ndf 7917 / 85
p0 1.115e+04 ± 8.684
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

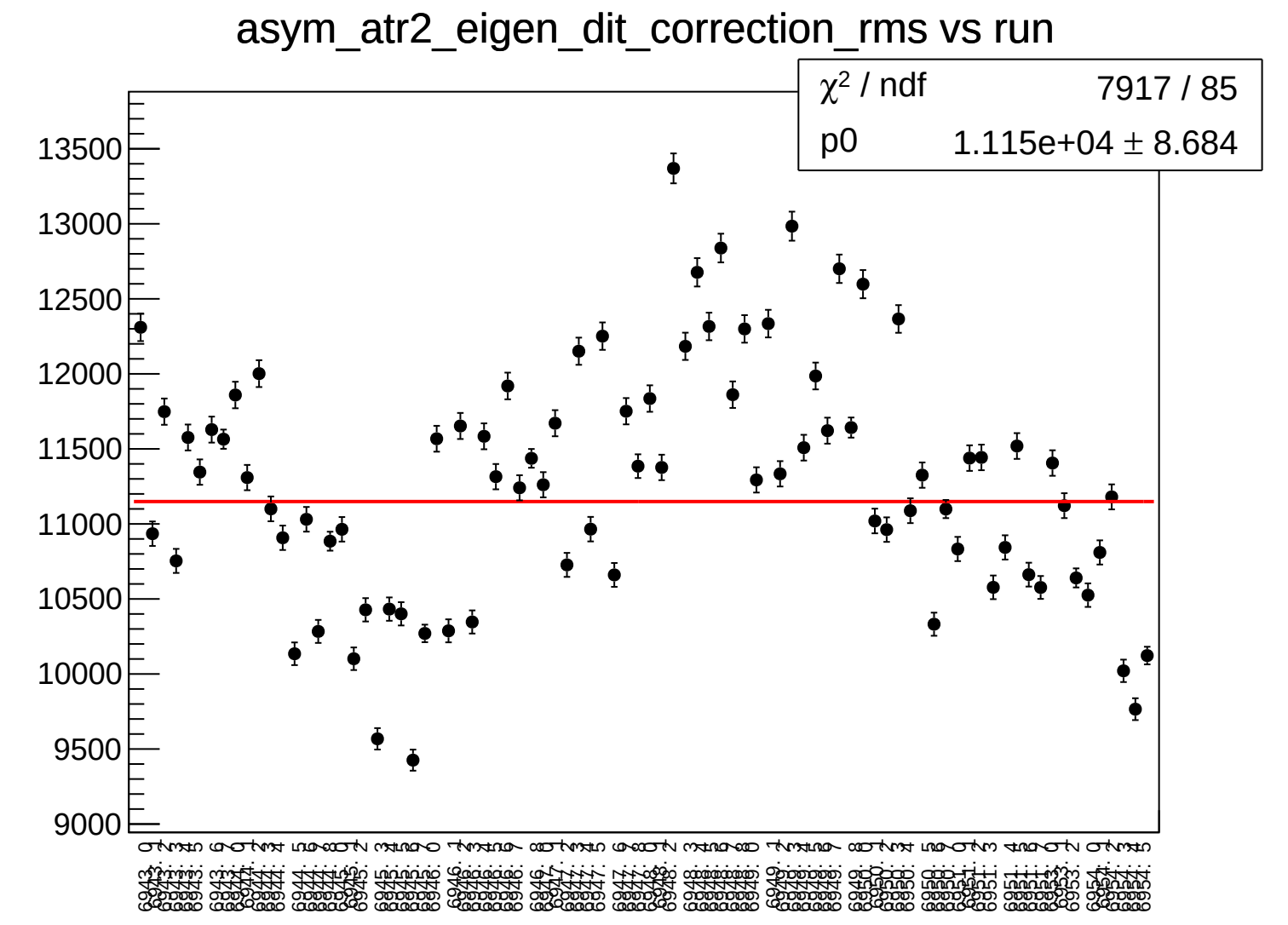

eigen_dit_asym_atr2_mean vs run
χ² / ndf 78.99 / 85
p0 412.6 ± 2752
pull
Entries 86
Mean 86.21
Std Dev 0

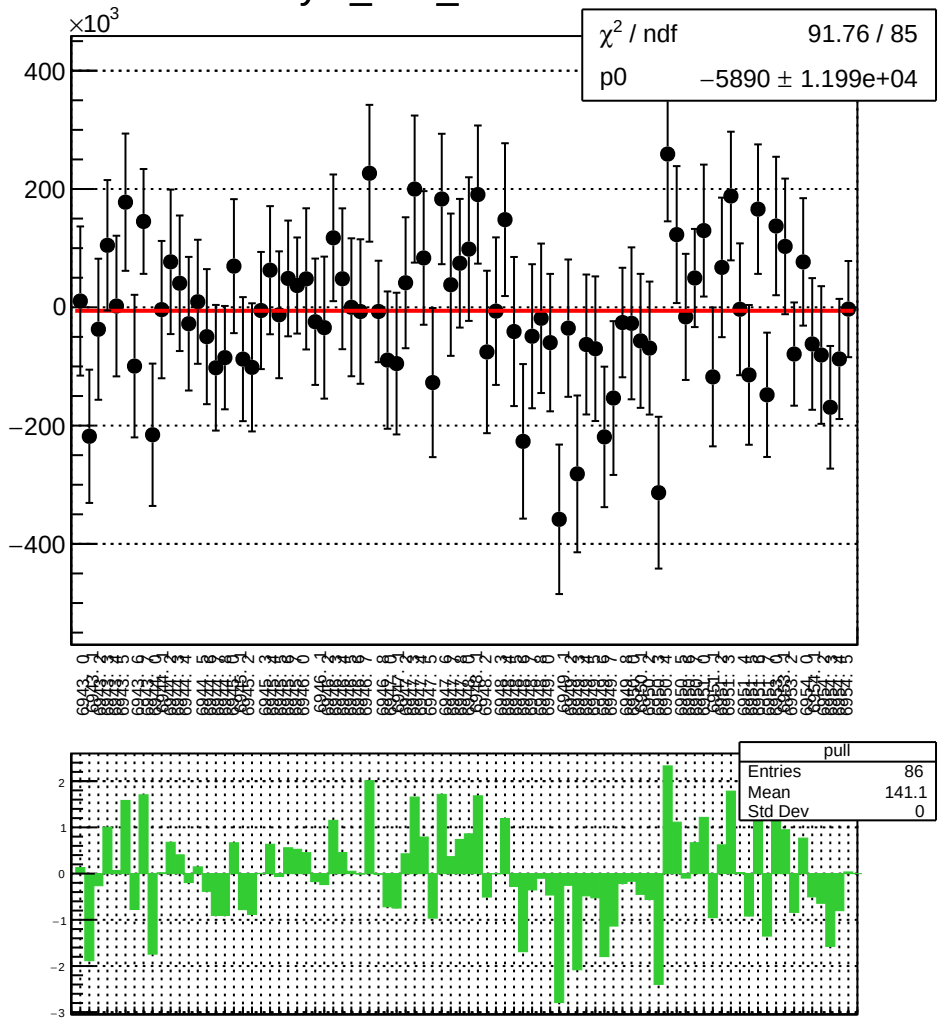

pull1D
Entries 86
Mean 0.01272
Std Dev 0.9583

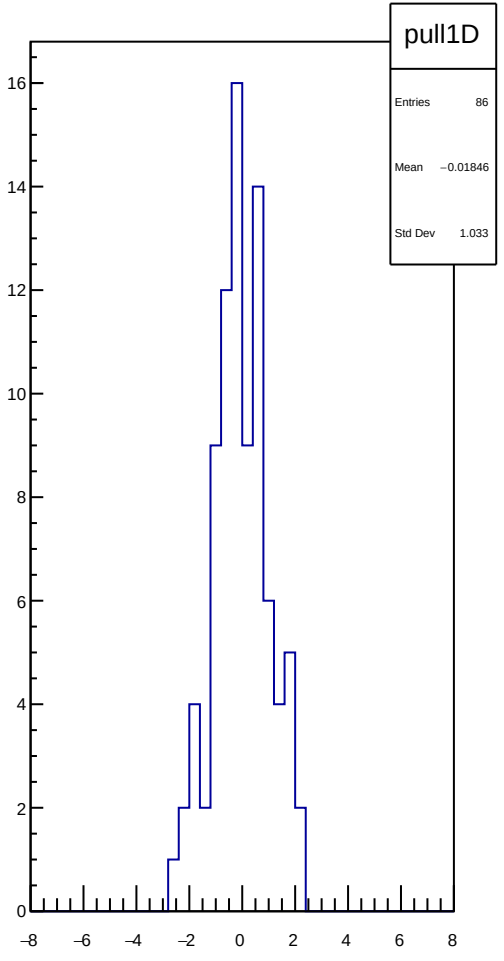

eigen_dit_asym_atr2_rms vs run
χ² / ndf 183 / 85
p0 2505 ± 1.946
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420

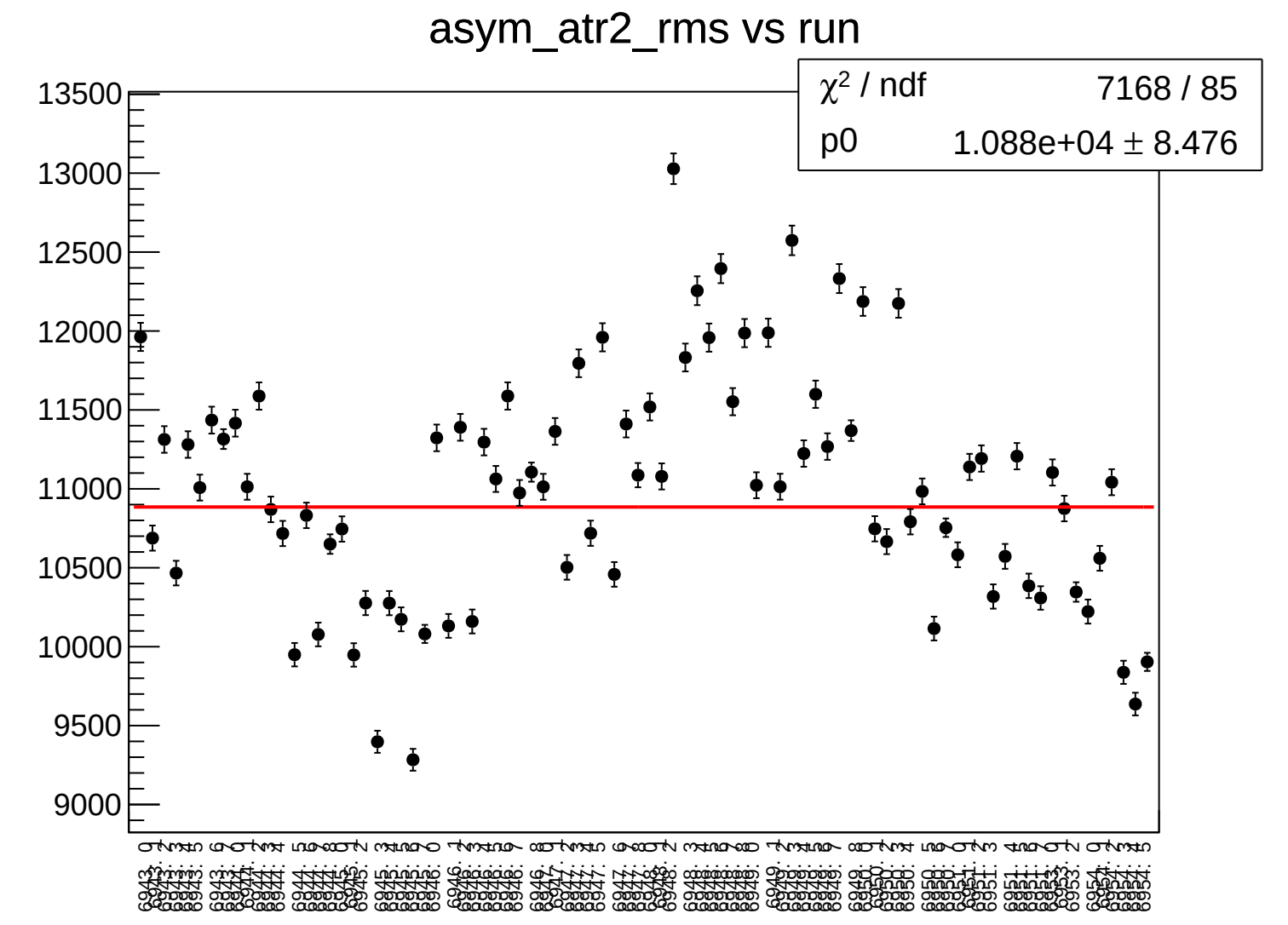

asym_atr2_eigen_dit_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 92.98 / 85
p0 5719 ± 1.228e+04
pull
Entries 86
Mean 122.6
Std Dev 0
3
2
1
0
−1
−2

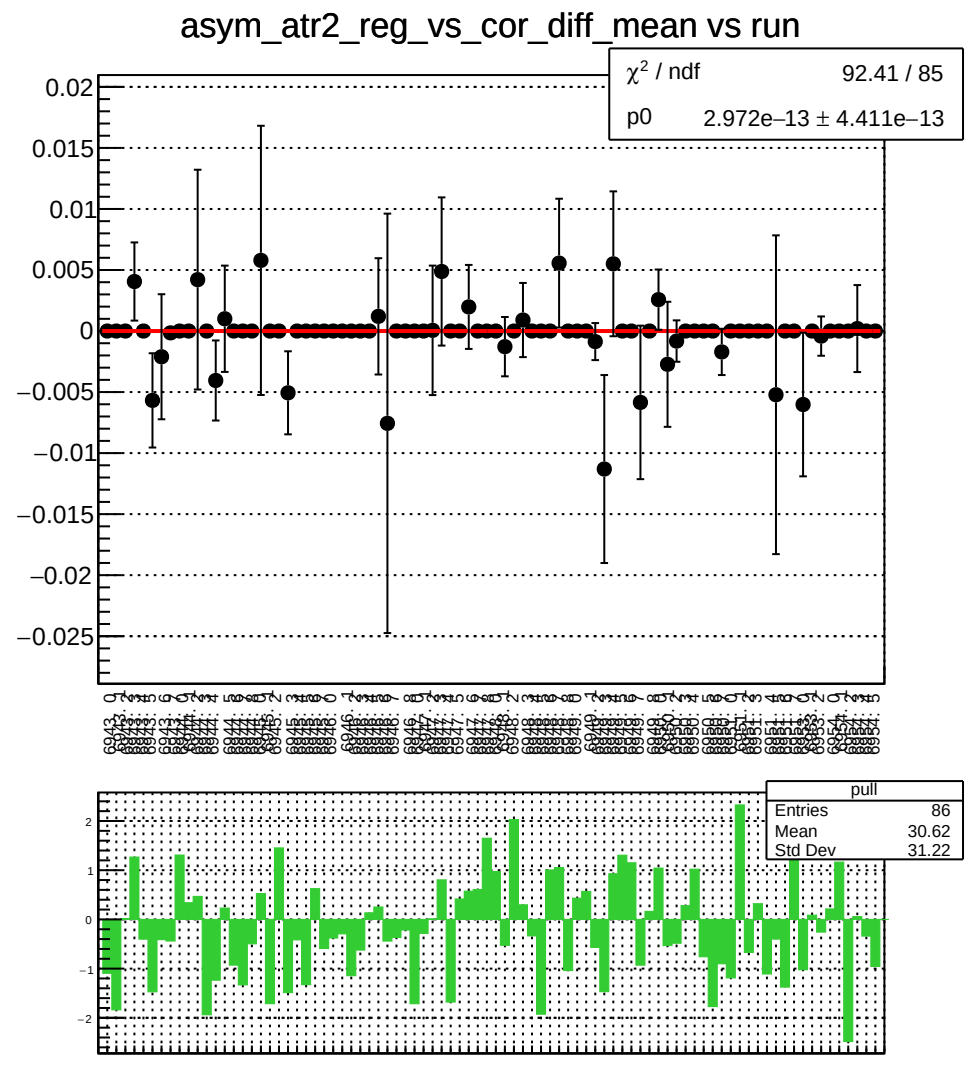

pull1D
Entries 86
Mean 0.02333
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

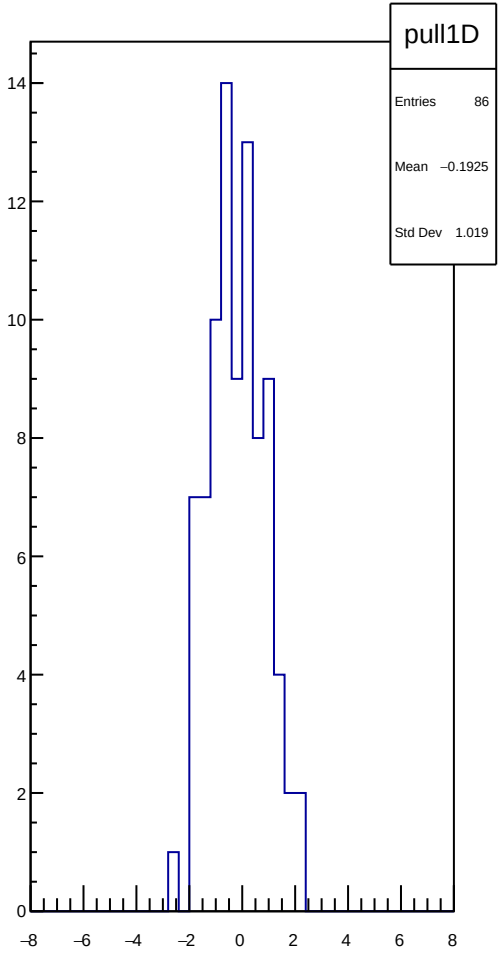

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 7917 / 85
p0 1.115e+04 ± 8.684
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

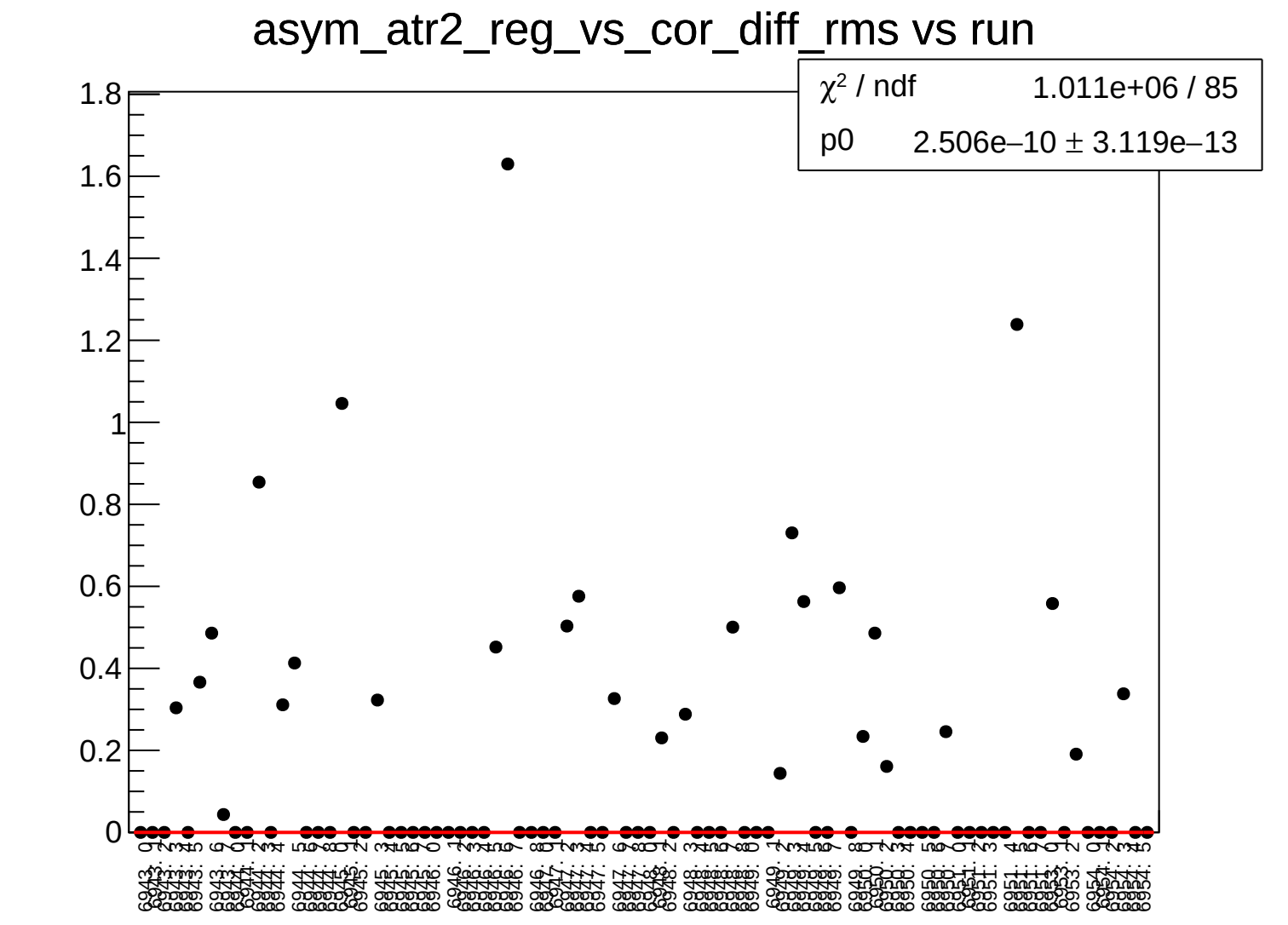

asym_atr2_mean vs run
×10^3
400
200
0
−200
−400
χ² / ndf 91.76 / 85
p0 −5890 ± 1.199e+04
pull
Entries 86
Mean 141.1
Std Dev 0
2
1
0
−1
−2
−3

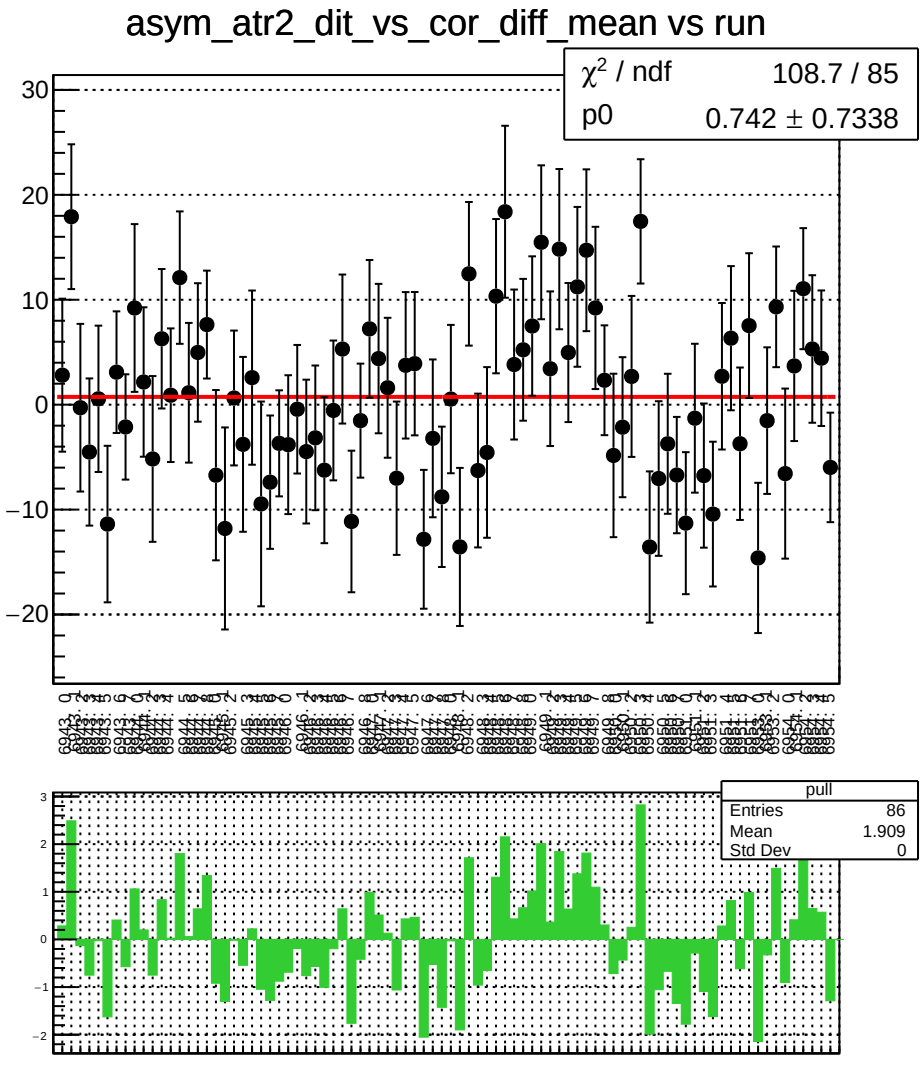

pull1D
Entries 86
Mean −0.01846
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

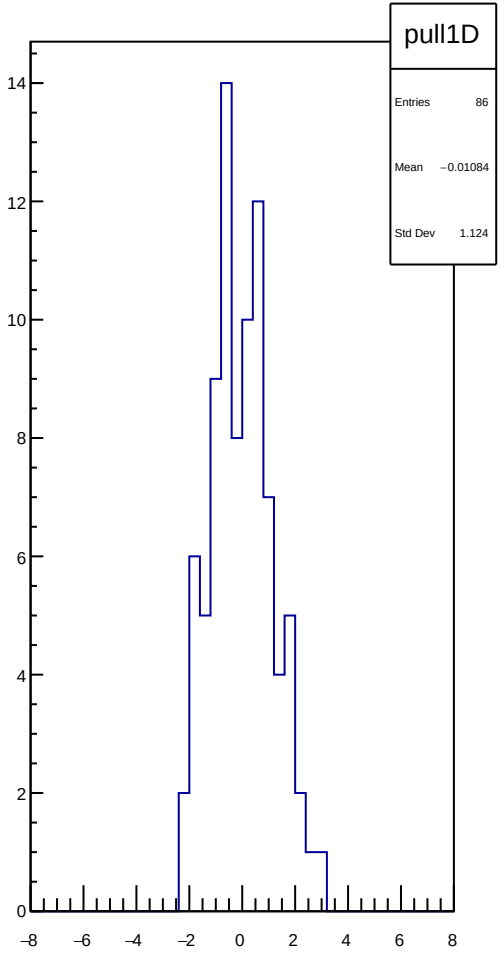

asym_atr2_rms vs run
χ² / ndf 7168 / 85
p0 1.088e+04 ± 8.476
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

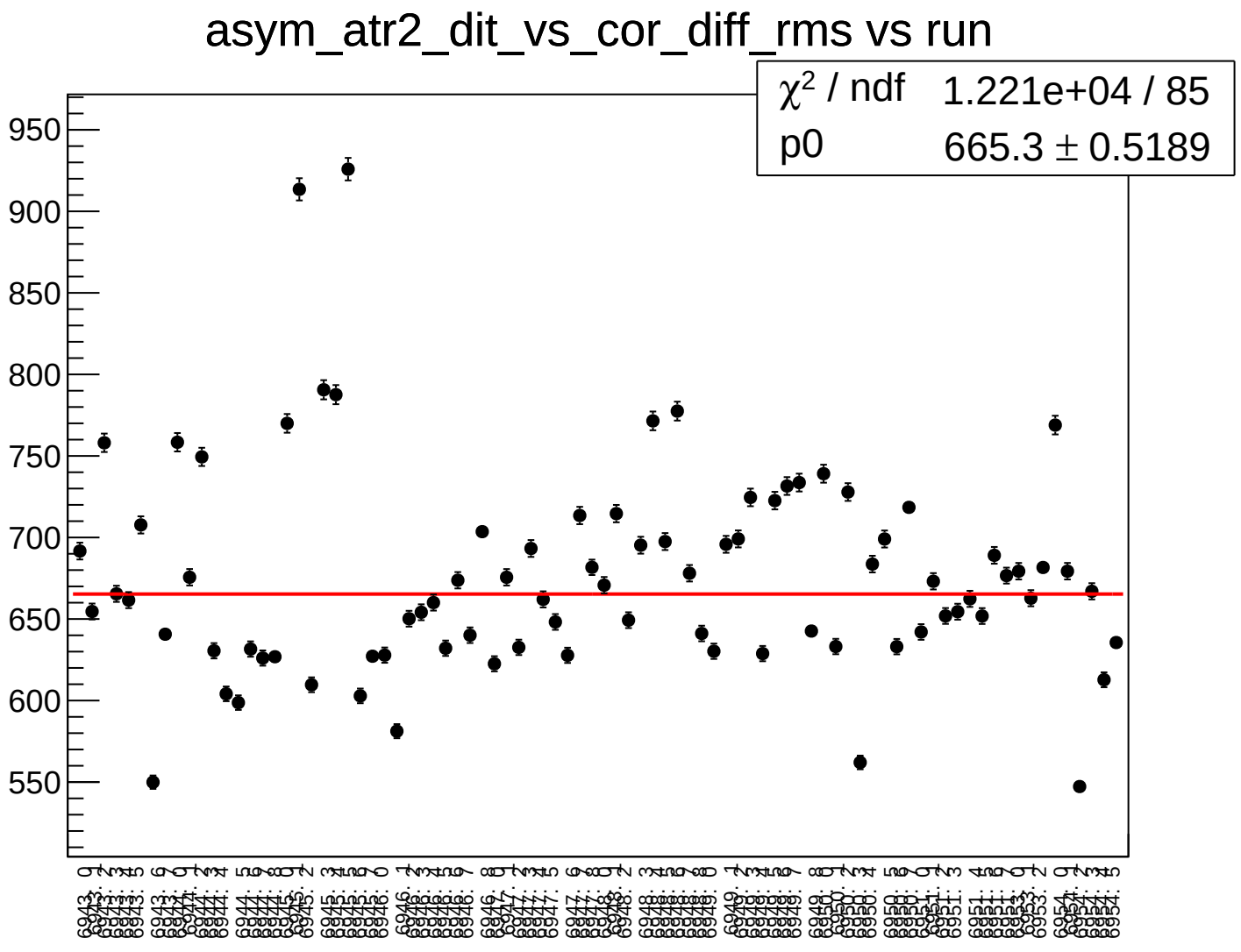

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 92.41 / 85
p0 2.972e−13 ± 4.411e−13
pull
Entries 86
Mean 30.62
Std Dev 31.22

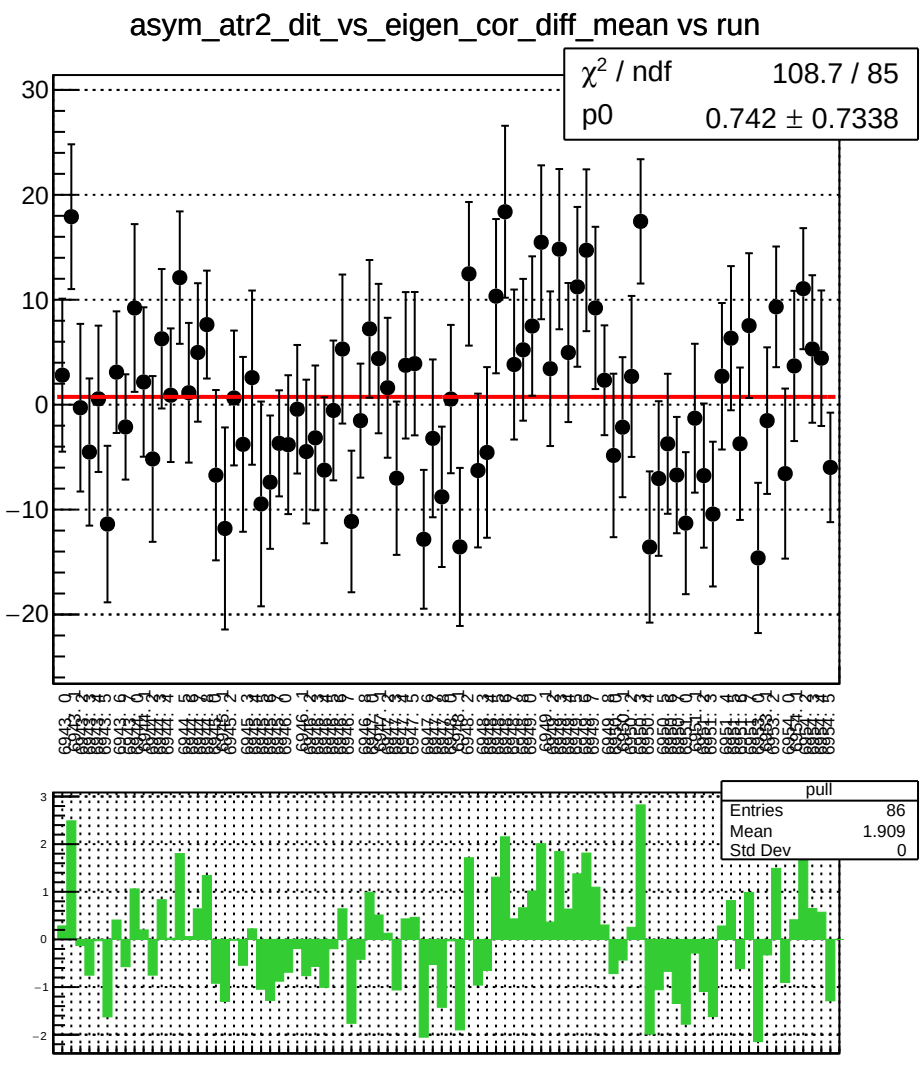

pull1D
Entries 86
Mean −0.1925
Std Dev 1.019

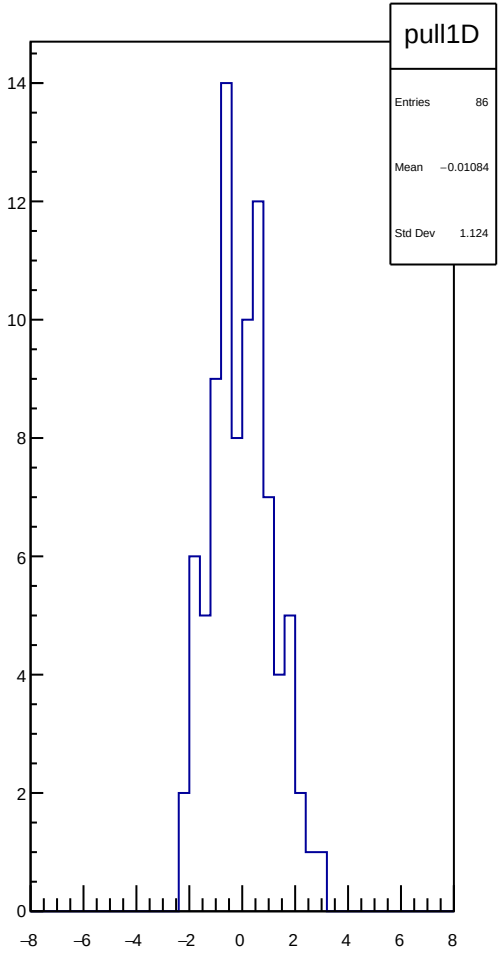

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.011e+06 / 85
p0 2.506e−10 ± 3.119e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

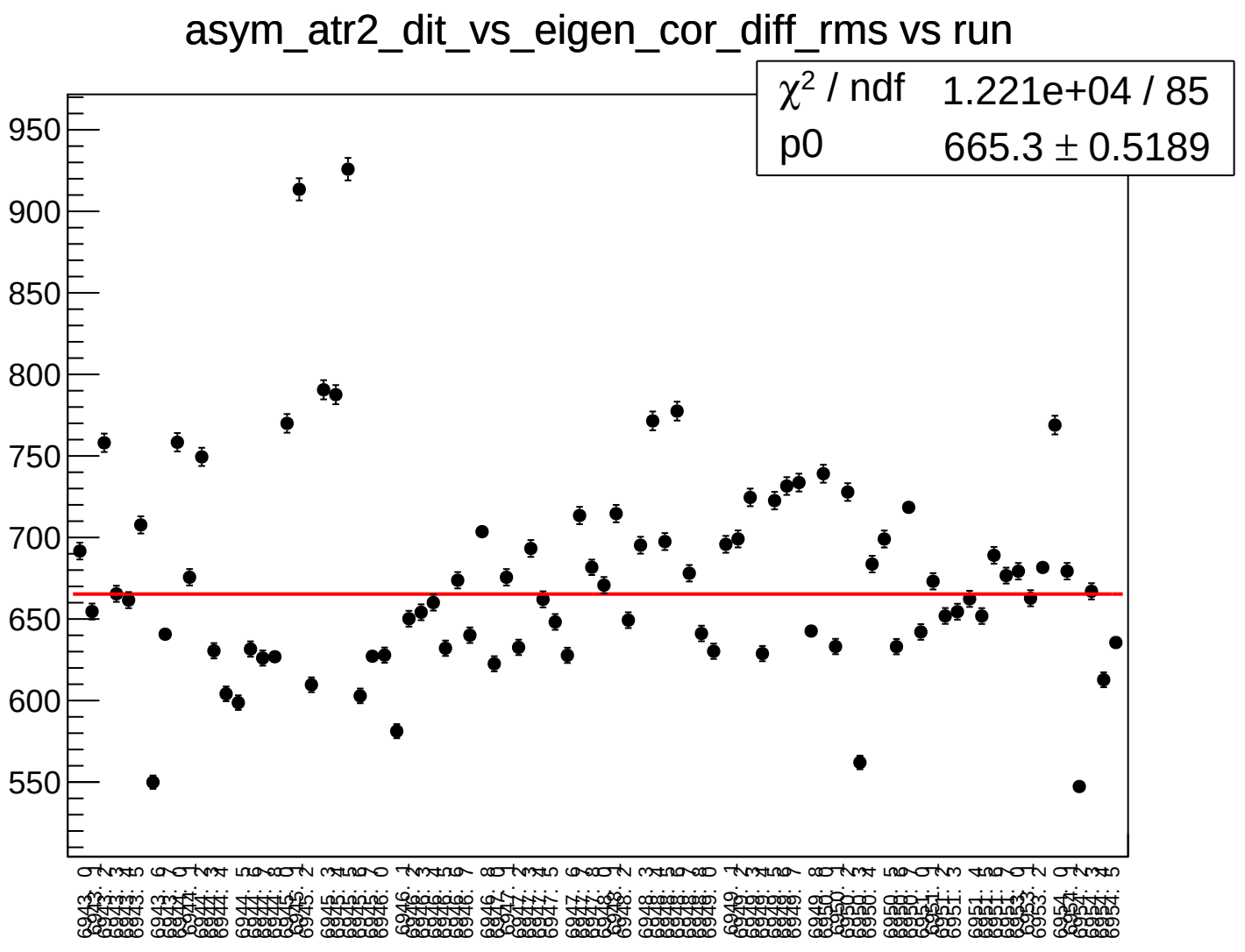

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 108.7 / 85
p0 0.742 ± 0.7338
pull
Entries 86
Mean 1.909
Std Dev 0

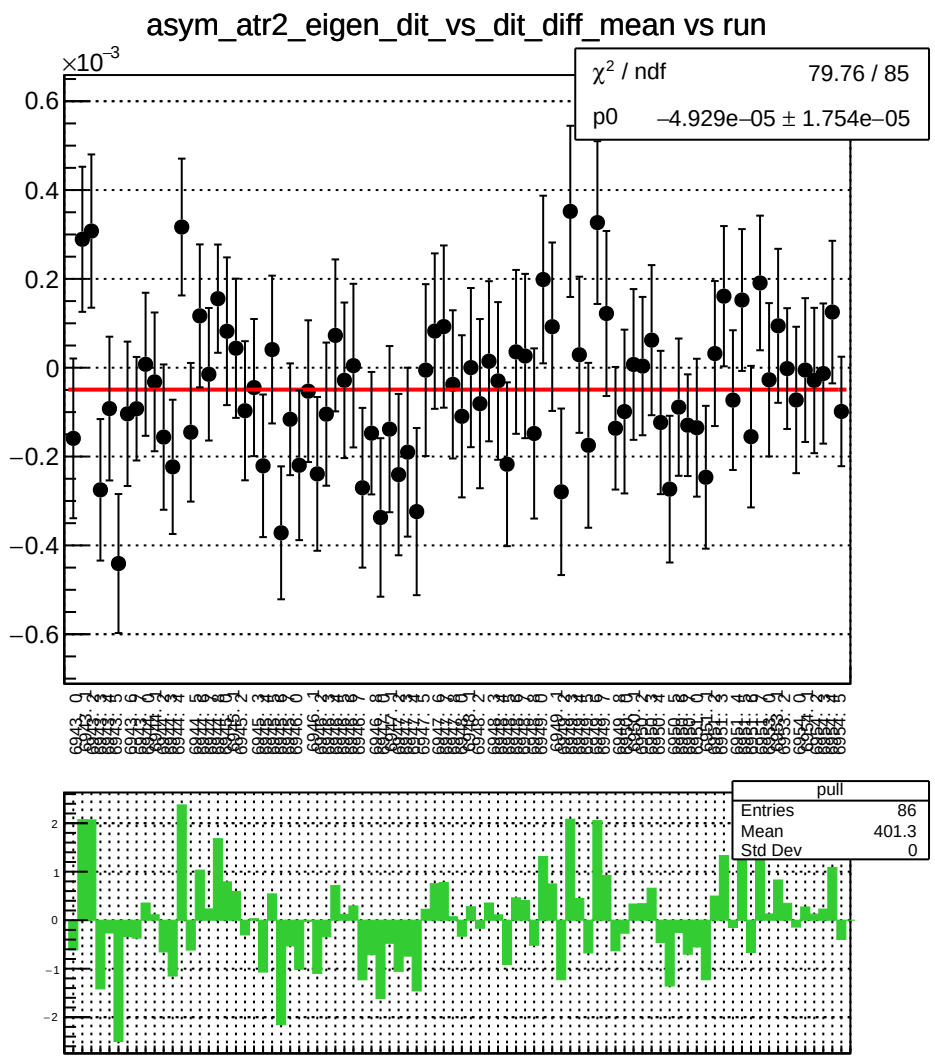

pull1D
Entries 86
Mean −0.01084
Std Dev 1.124

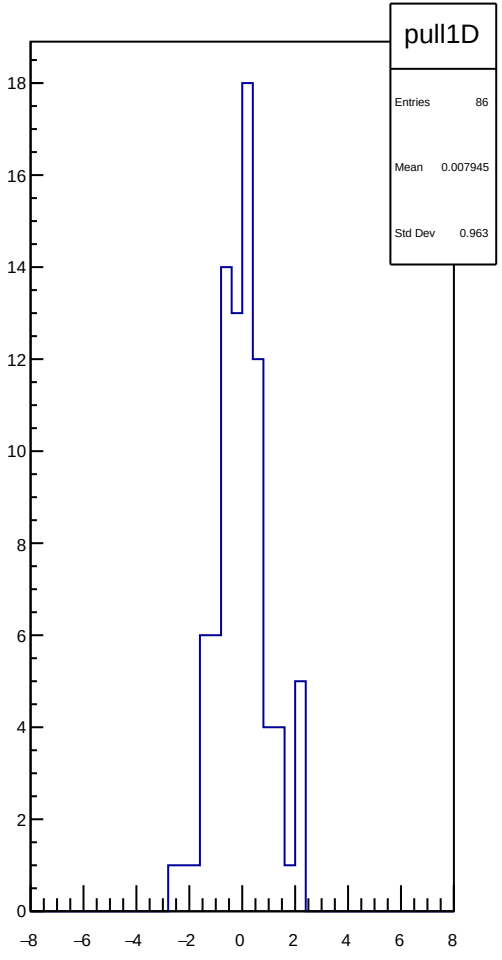

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 85
p0 665.3 ± 0.5189
950
900
850
800
750
700
650
600
550

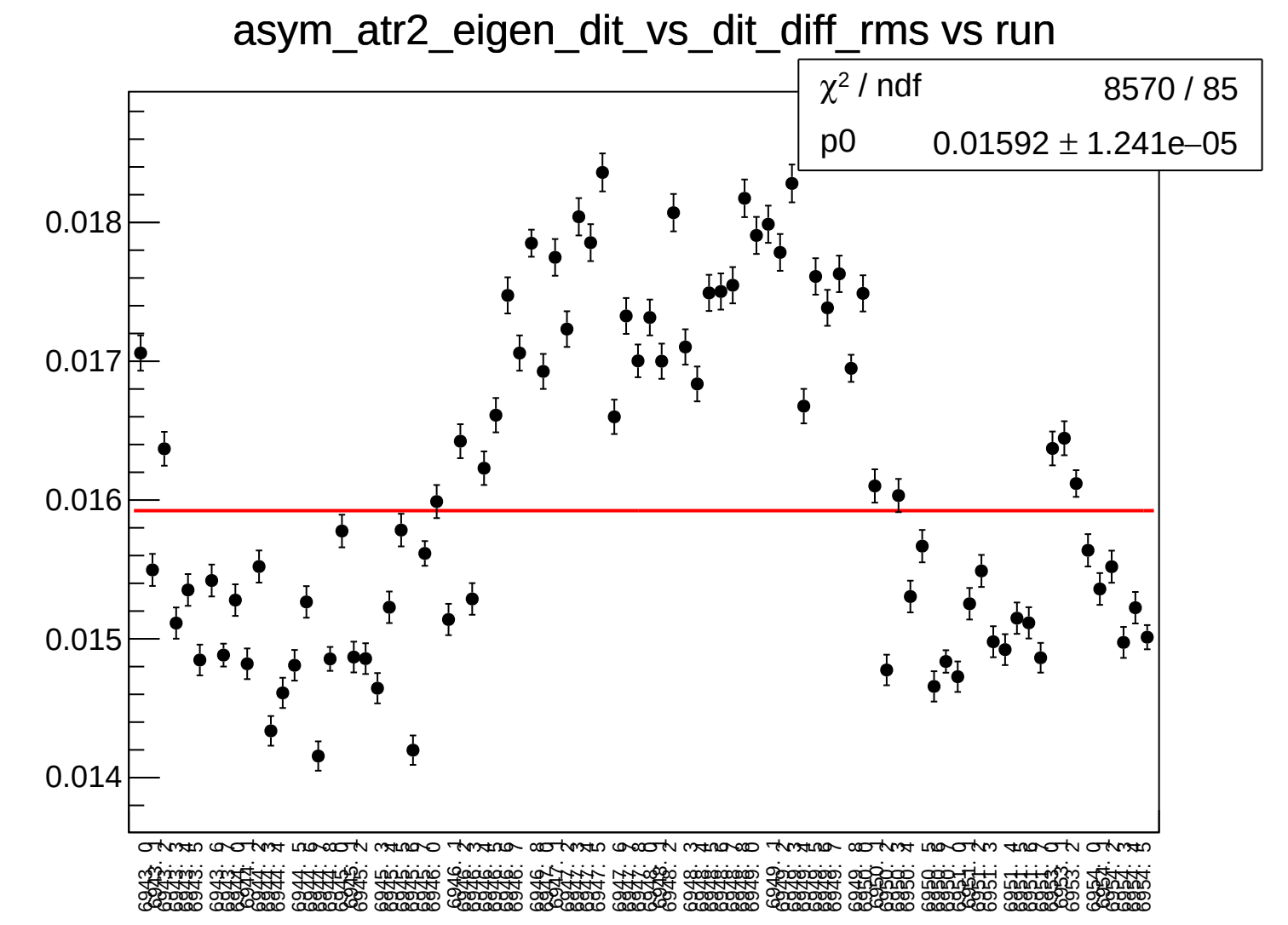

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.7 / 85
p0 0.742 ± 0.7338
pull
Entries 86
Mean 1.909
Std Dev 0

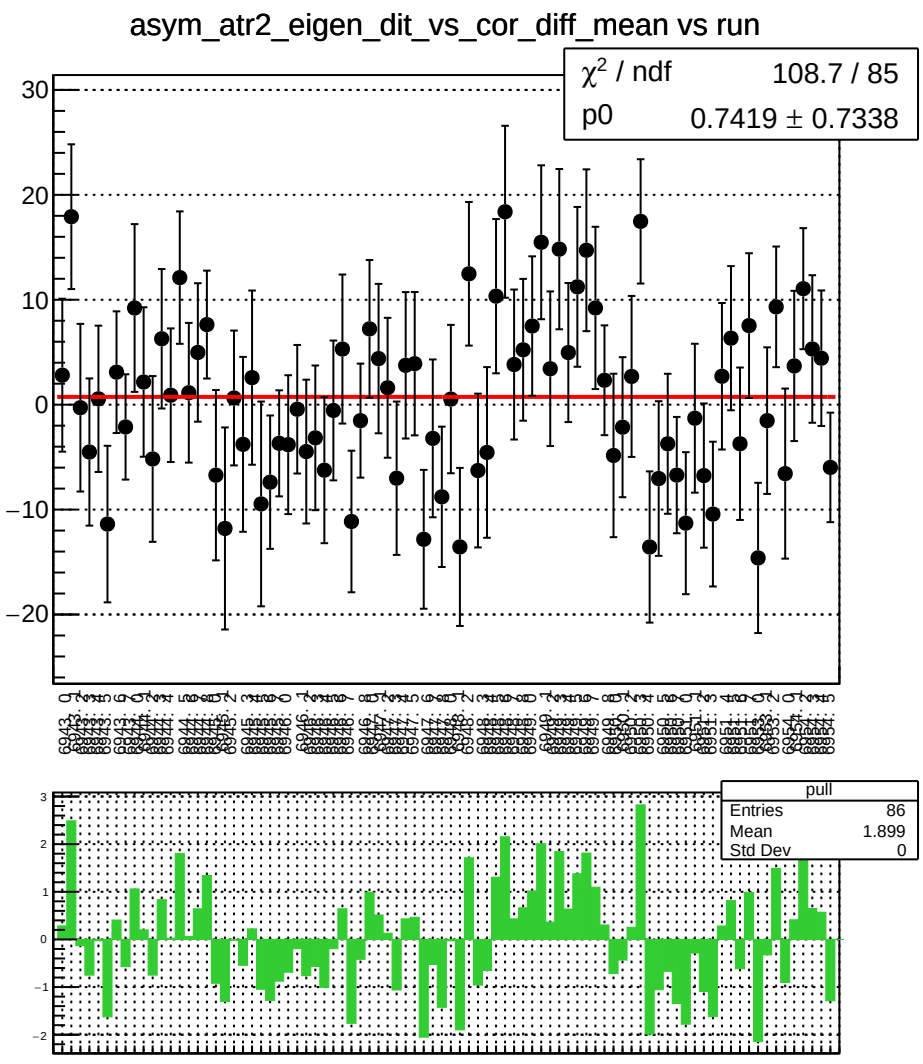

pull1D
Entries 86
Mean −0.01084
Std Dev 1.124

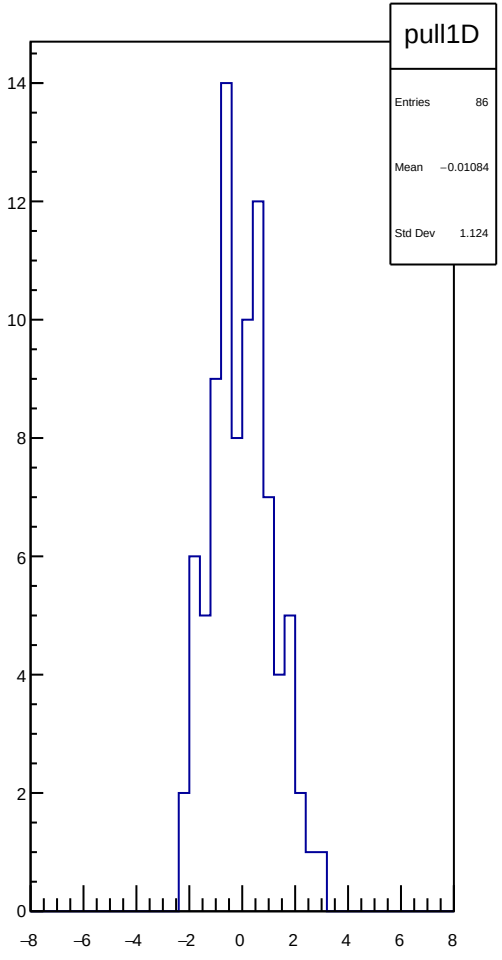

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 85
p0 665.3 ± 0.5189
950
900
850
800
750
700
650
600
550

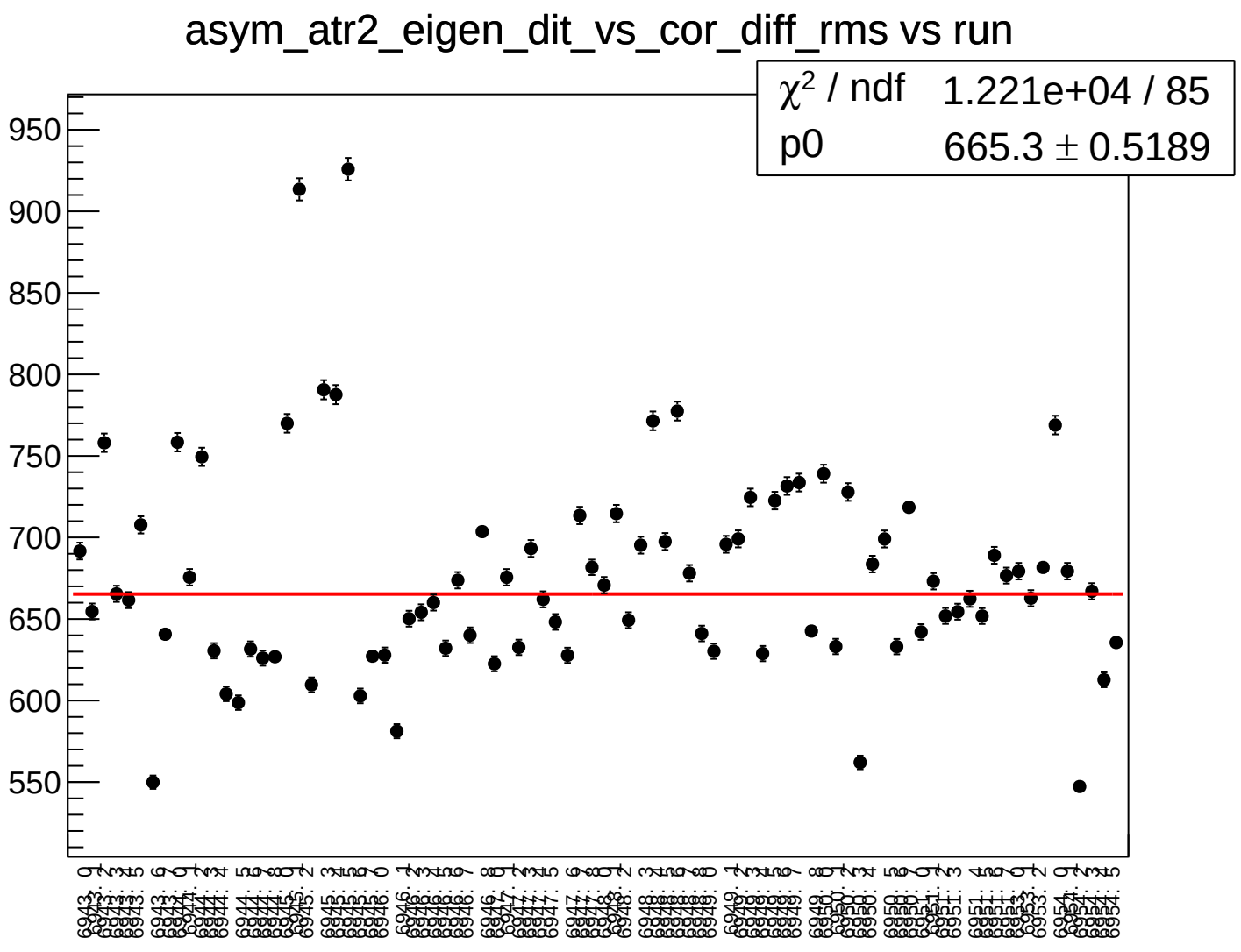

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.76 / 85
p0 −4.929e−05 ± 1.754e−05
pull
Entries 86
Mean 401.3
Std Dev 0

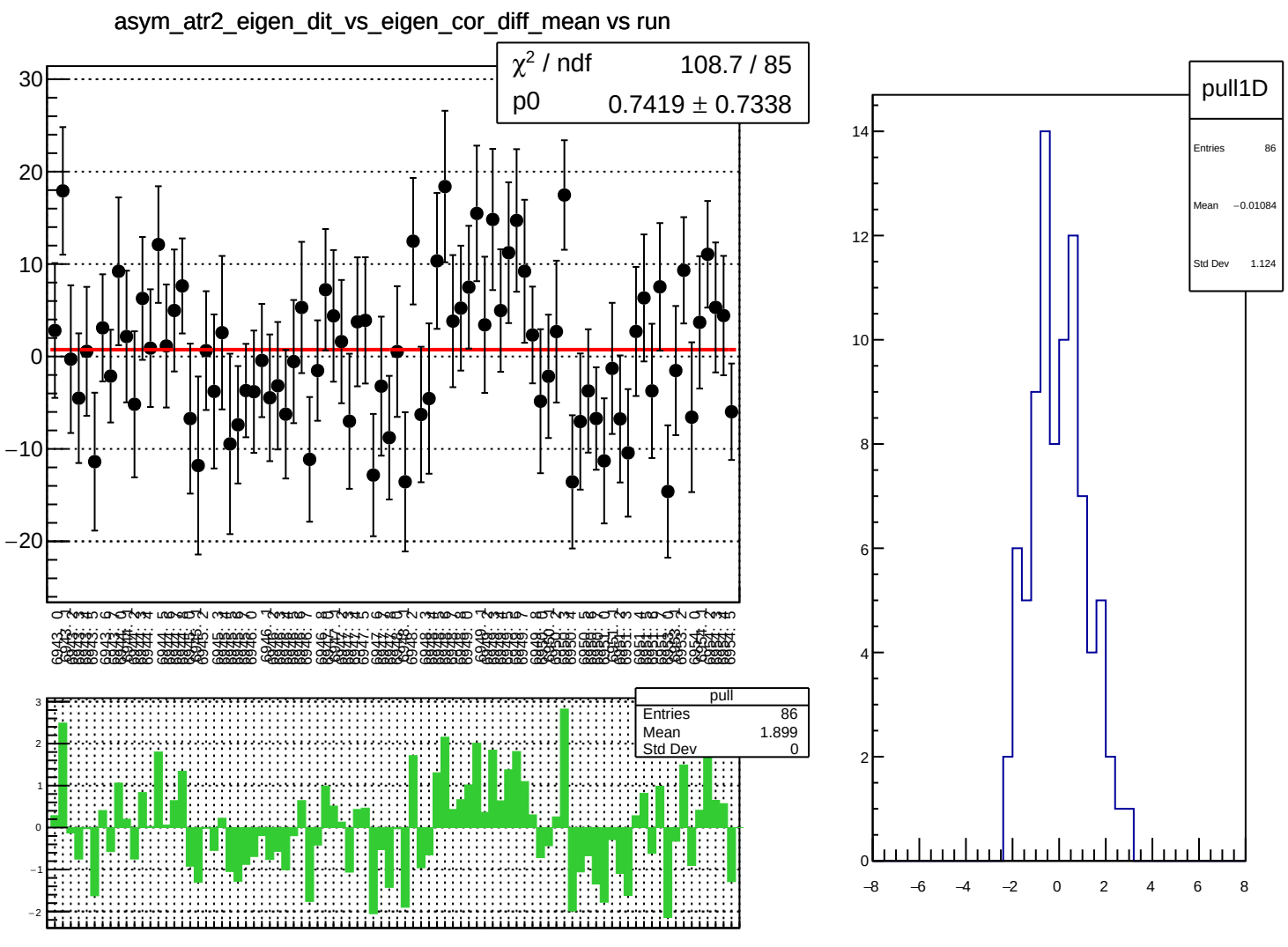

pull1D
Entries 86
Mean 0.007945
Std Dev 0.963

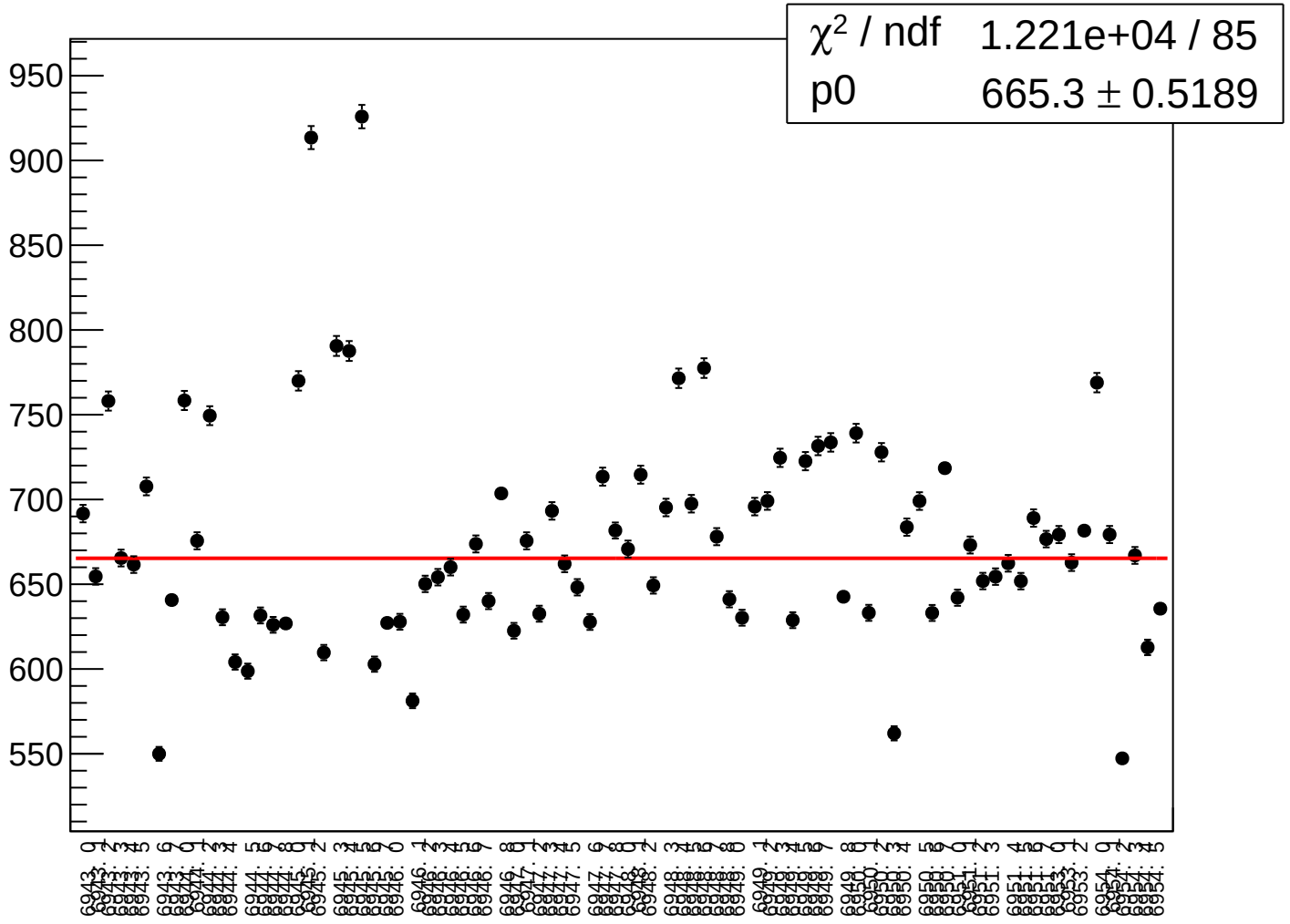

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8570 / 85
p0 0.01592 ± 1.241e−05
0.018
0.017
0.016
0.015
0.014

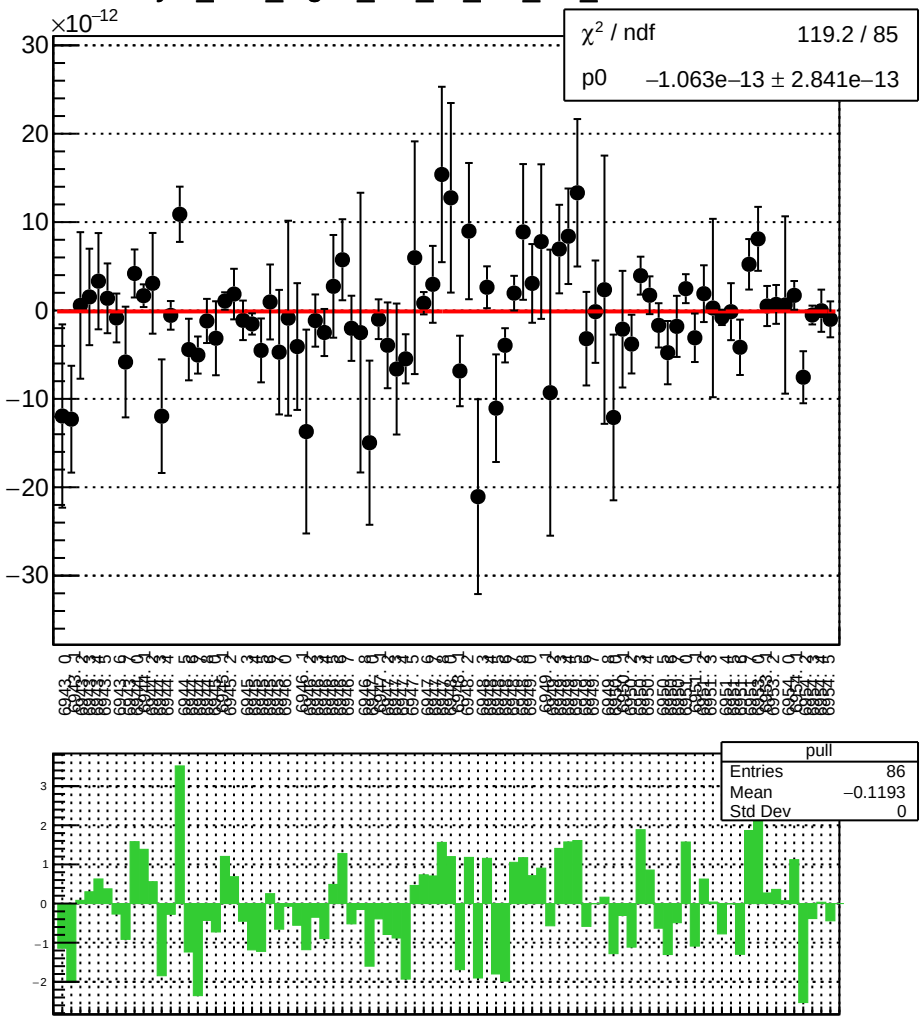

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 108.7 / 85
p0 0.7419 ± 0.7338
pull
Entries 86
Mean 1.899
Std Dev 0

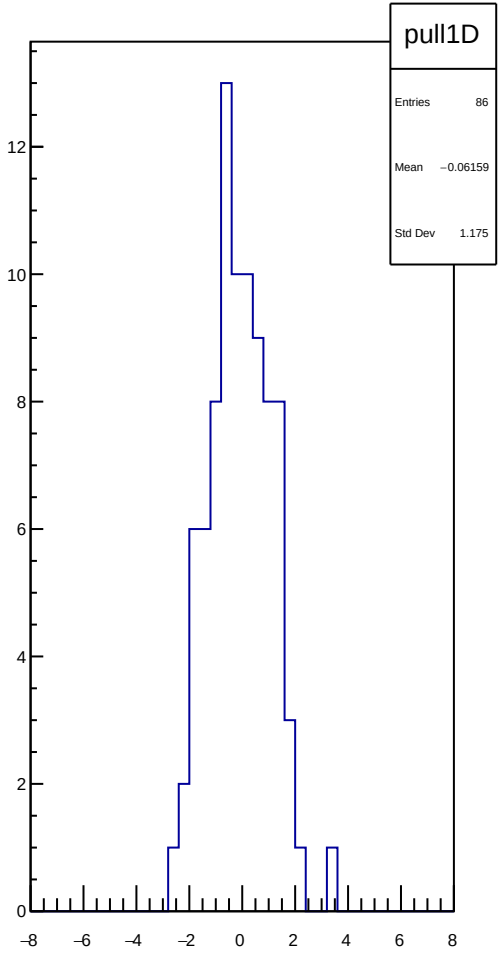

pull1D
Entries 86
Mean −0.01084
Std Dev 1.124

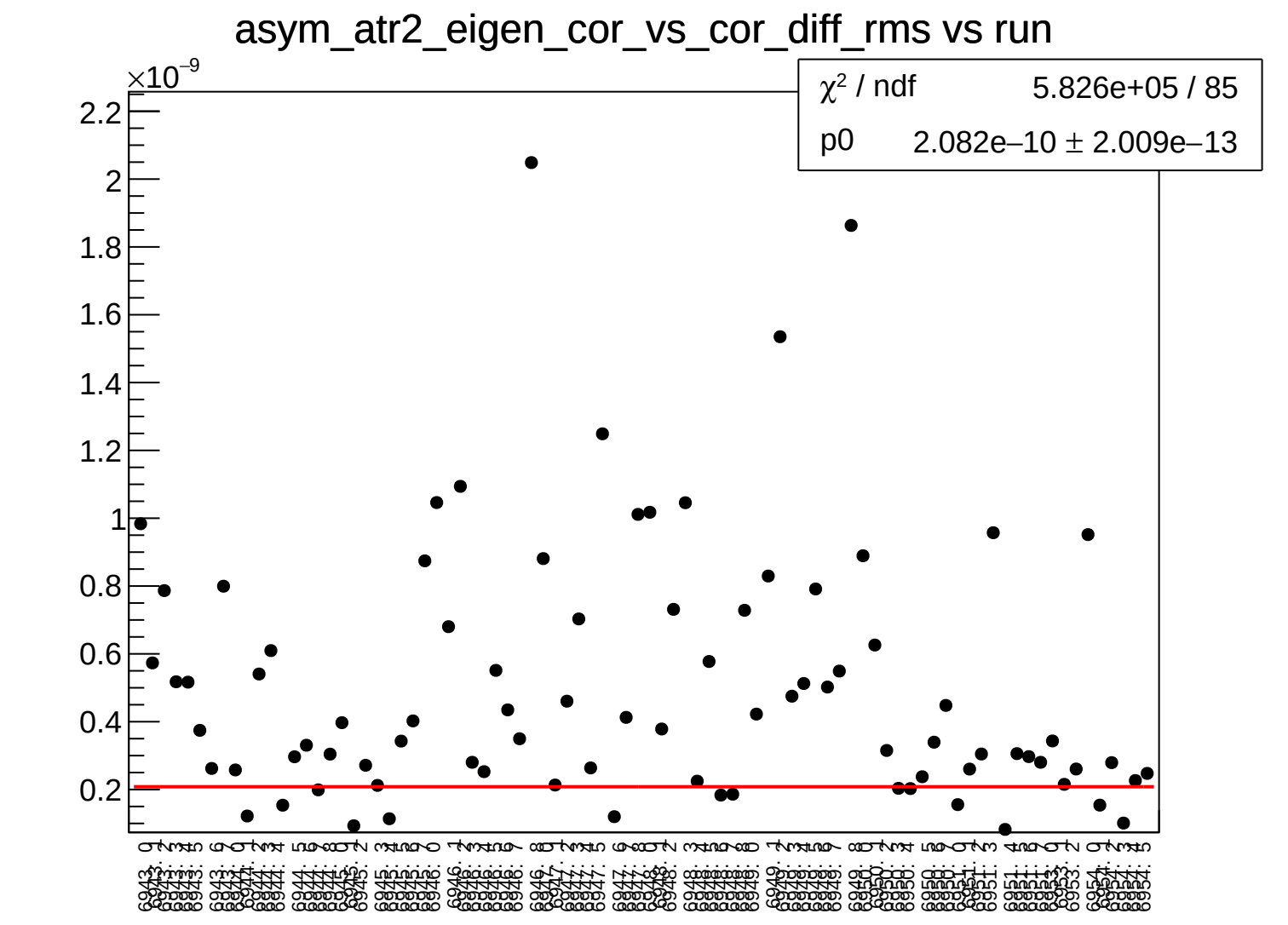

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 85
p0 665.3 ± 0.5189
950
900
850
800
750
700
650
600
550

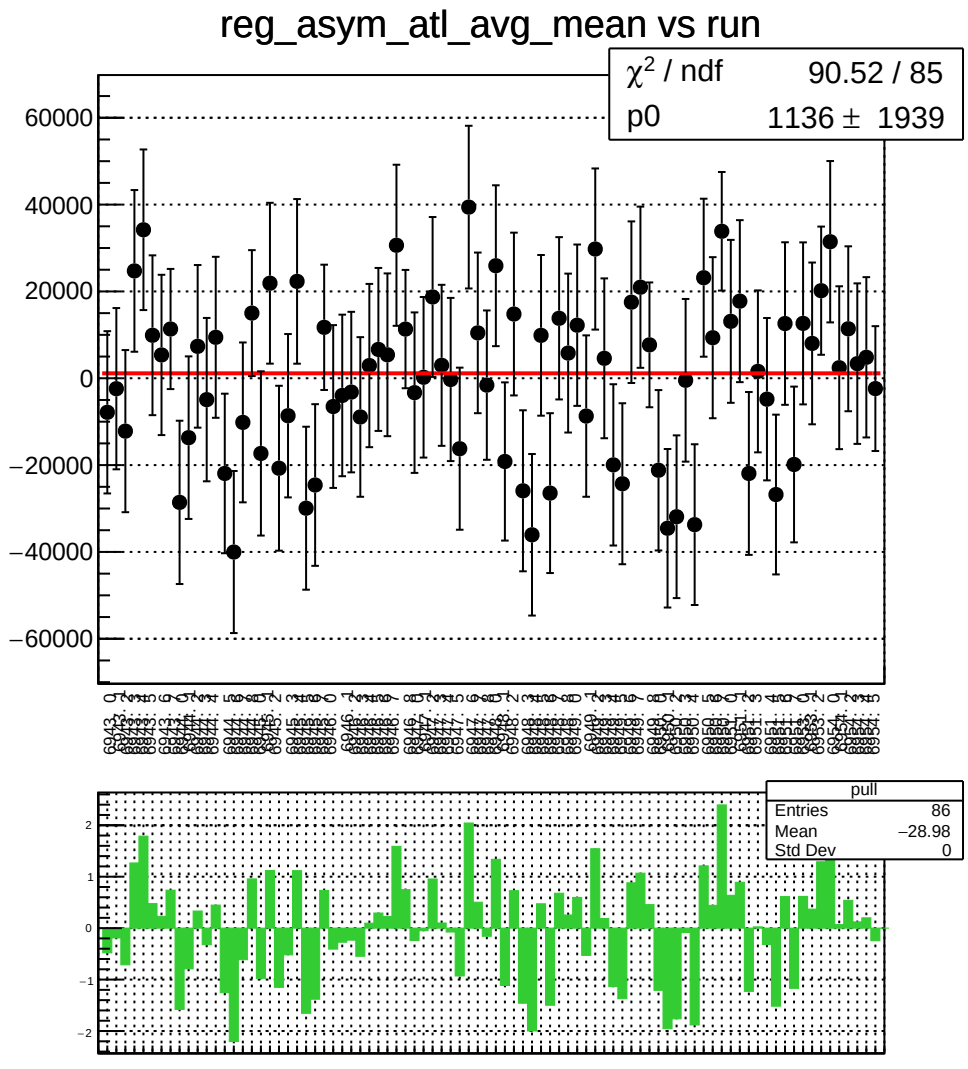

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.7 / 85
p0 0.7419 ± 0.7338
pull
Entries 86
Mean 1.899
Std Dev 0
pull1D
Entries 86
Mean −0.01084
Std Dev 1.124

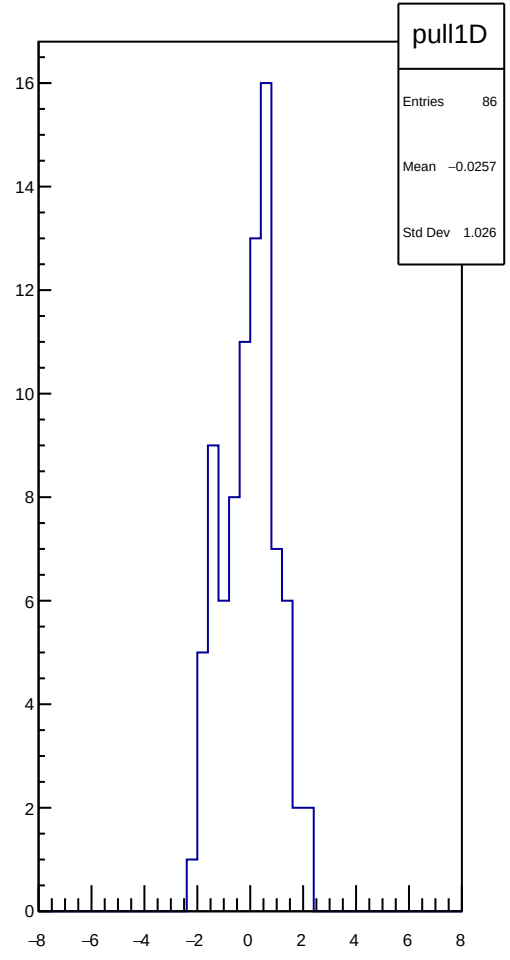

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.221e+04 / 85
p0 665.3 ± 0.5189
950
900
850
800
750
700
650
600
550

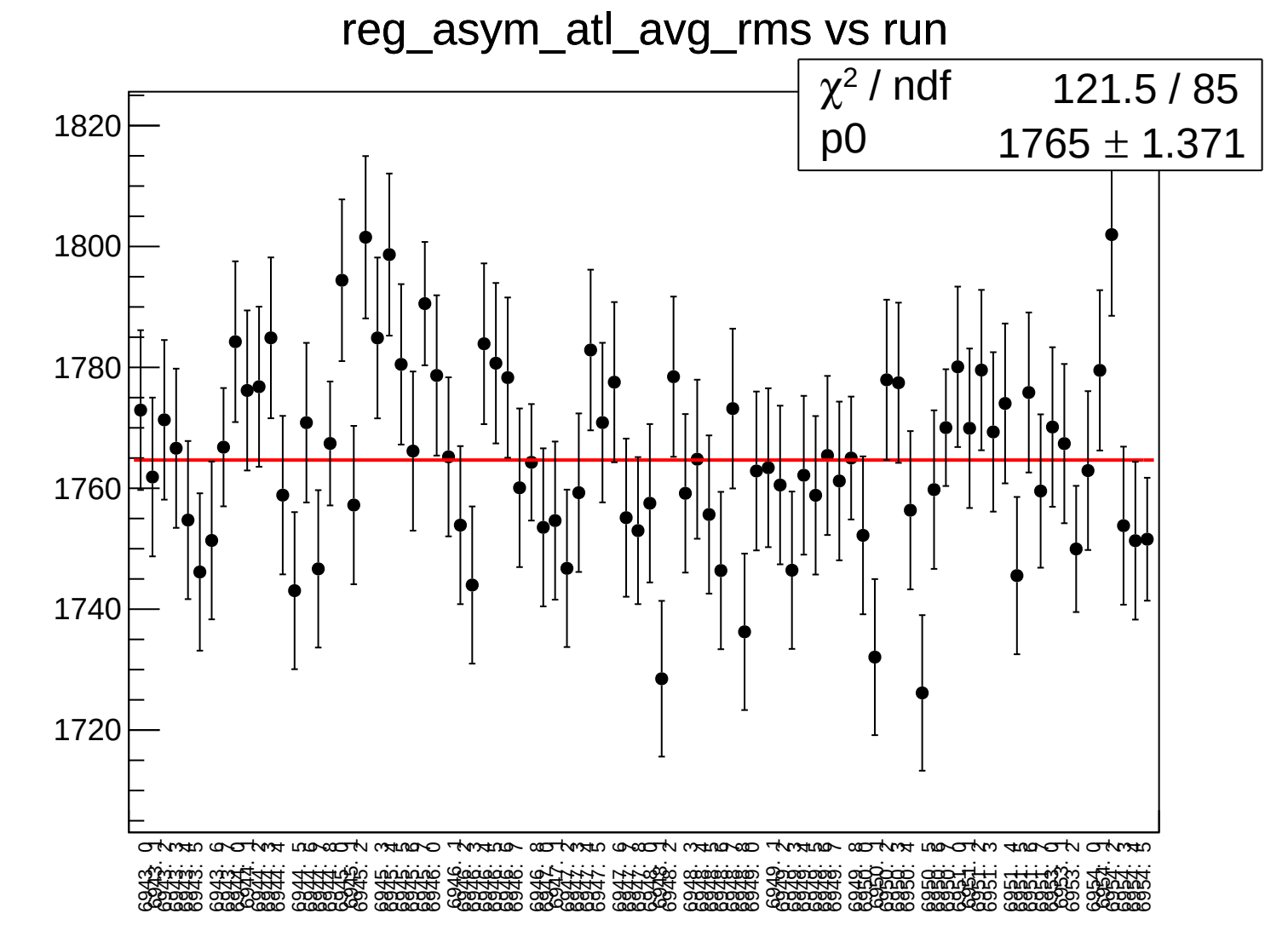

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 119.2 / 85
p0 −1.063e−13 ± 2.841e−13
pull
Entries 86
Mean −0.1193
Std Dev 0

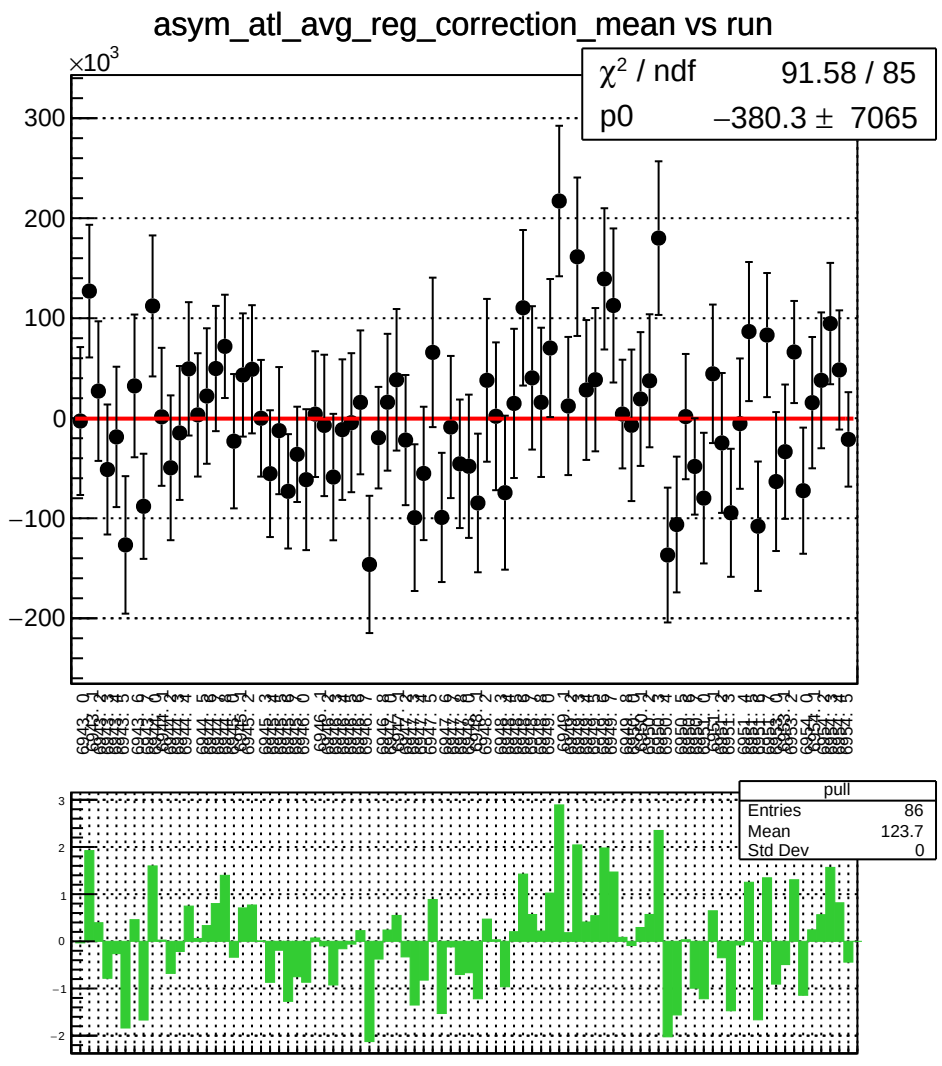

pull1D
Entries 86
Mean −0.06159
Std Dev 1.175

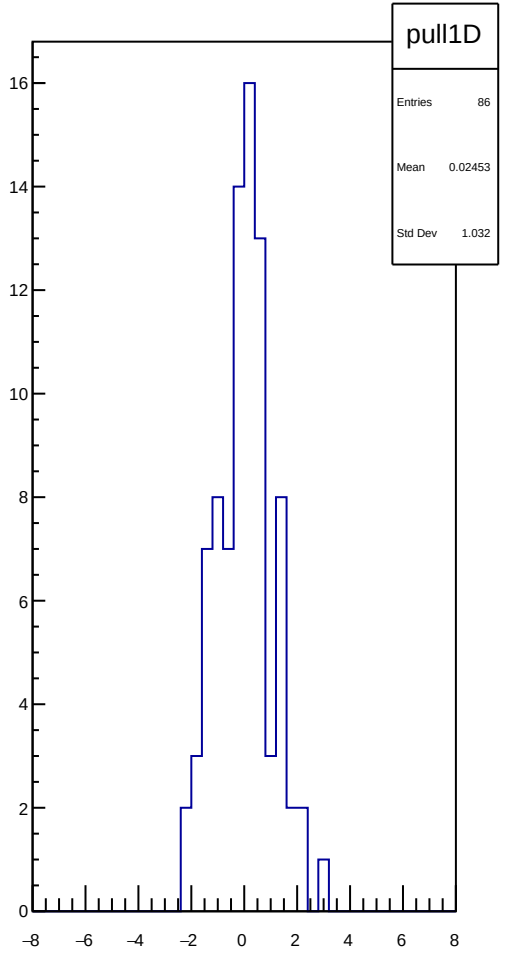

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.826e+05 / 85
p0 2.082e−10 ± 2.009e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

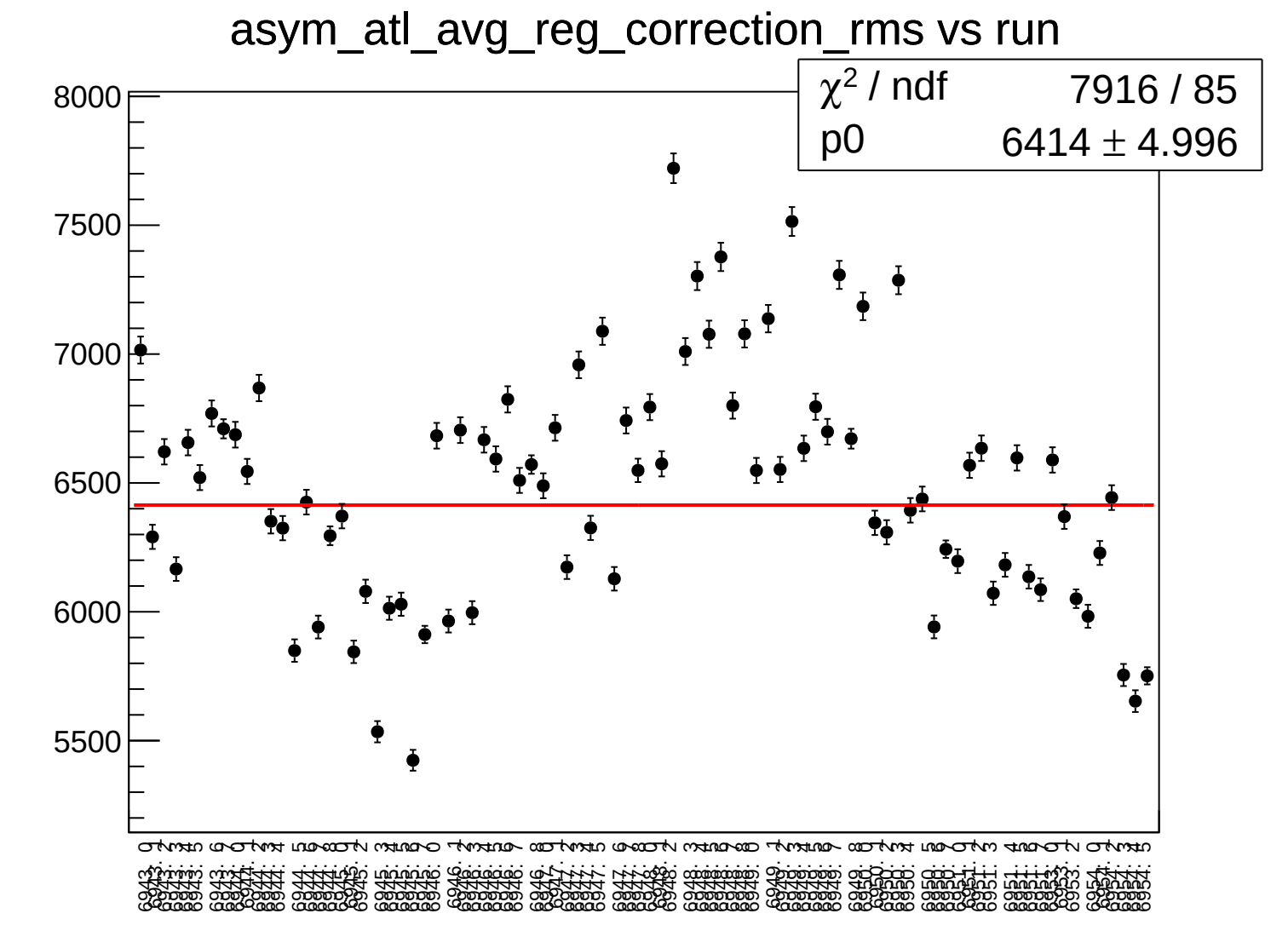

reg_asym_atl_avg_mean vs run
χ² / ndf 90.52 / 85
p0 1136 ± 1939
pull
Entries 86
Mean −28.98
Std Dev 0

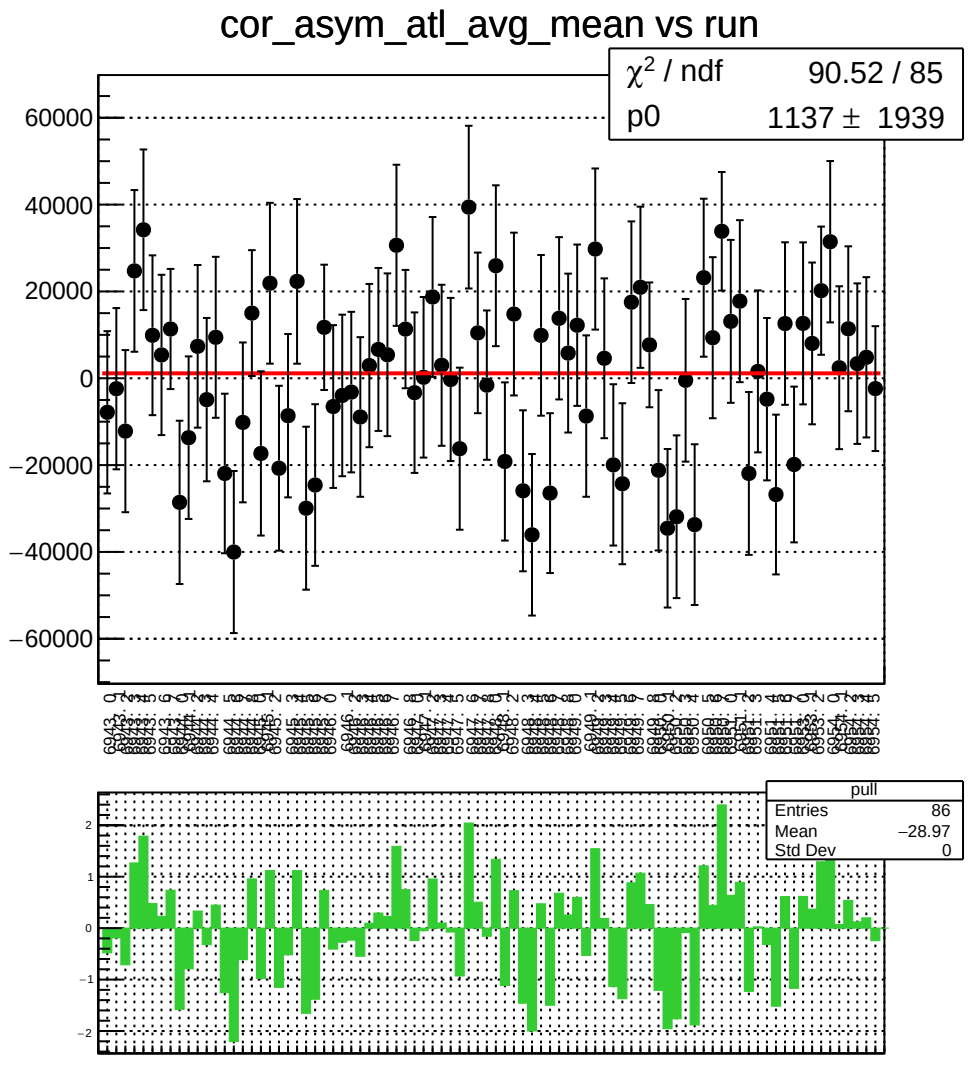

pull1D
Entries 86
Mean −0.0257
Std Dev 1.026

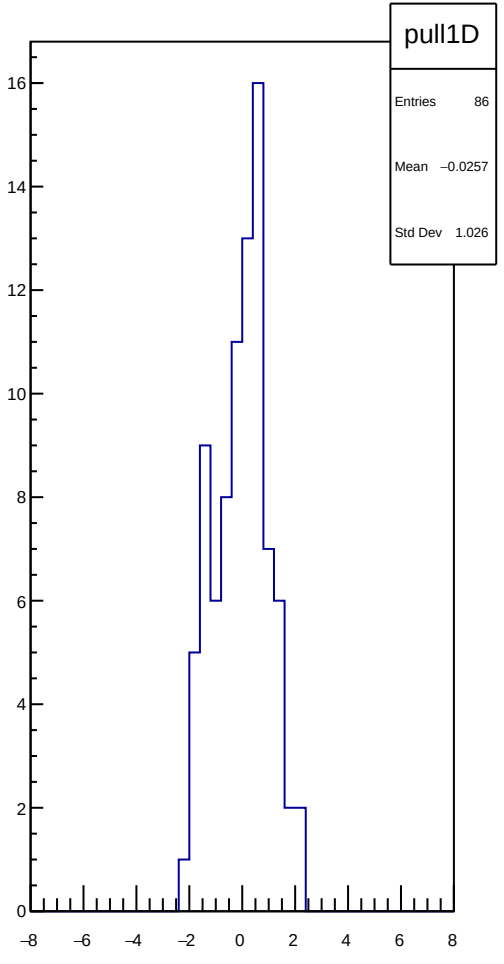

reg_asym_atl_avg_rms vs run
χ^2 / ndf 121.5 / 85
p0 1765 ± 1.371
1820
1800
1780
1760
1740
1720

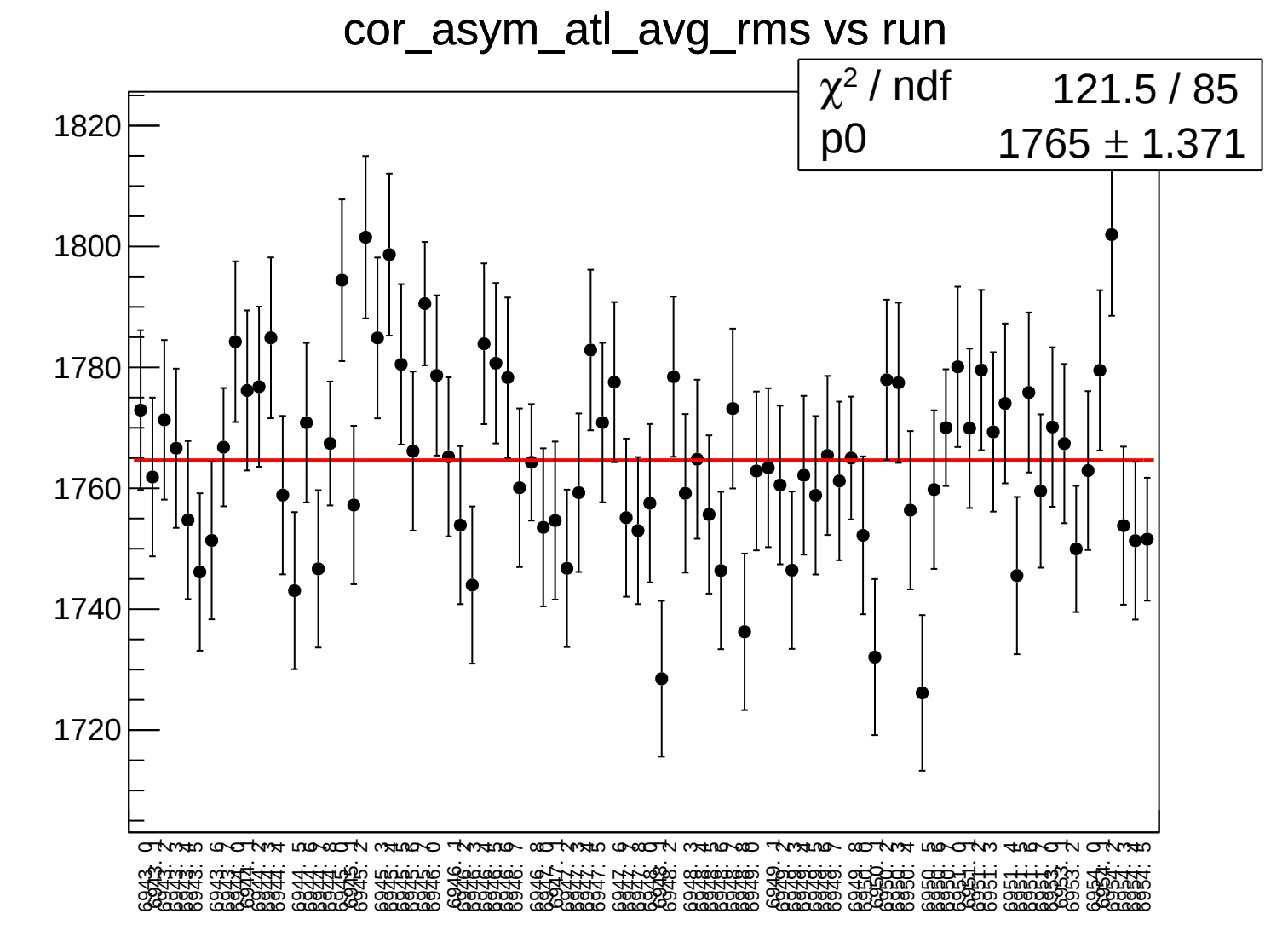

asym_atl_avg_reg_correction_mean vs run
χ^2 / ndf 91.58 / 85
p0 −380.3 ± 7065
×10^3
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.7
Std Dev 0
3
2
1
0
−1
−2

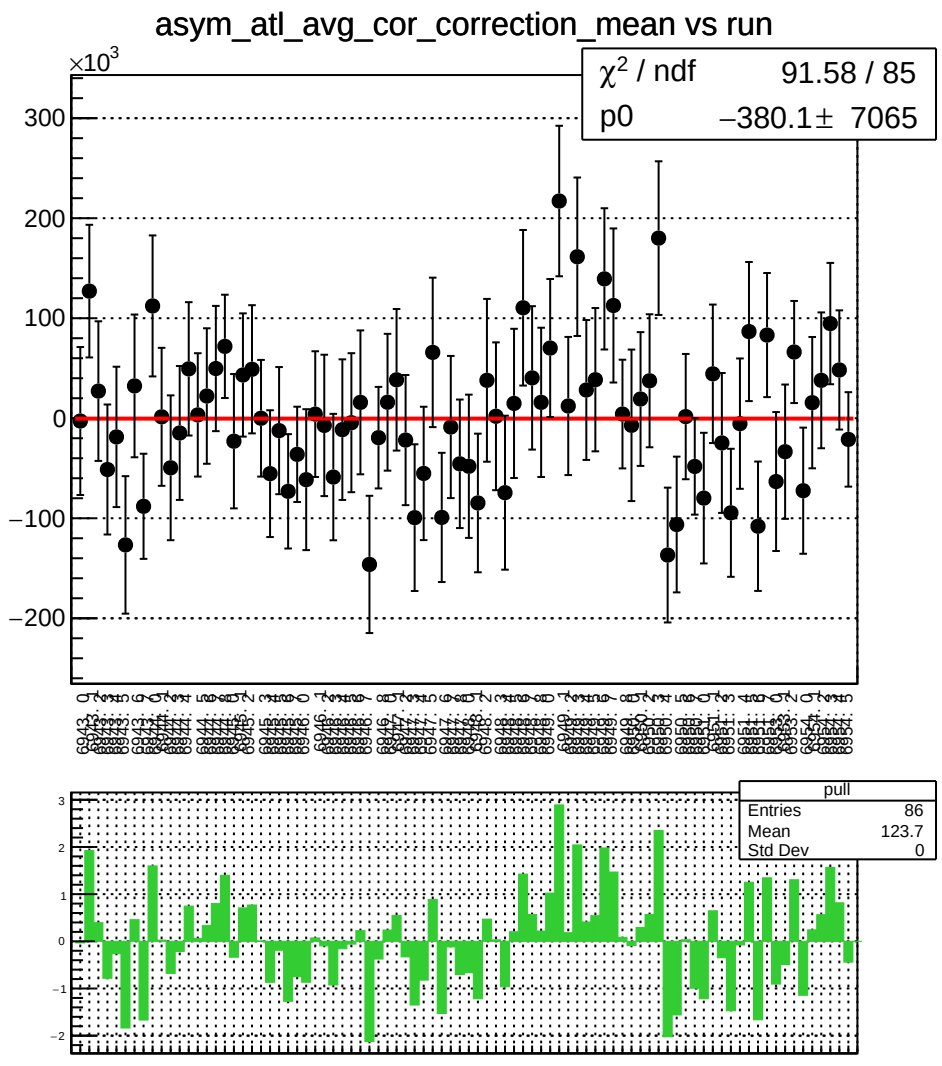

pull1D
Entries 86
Mean 0.02453
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

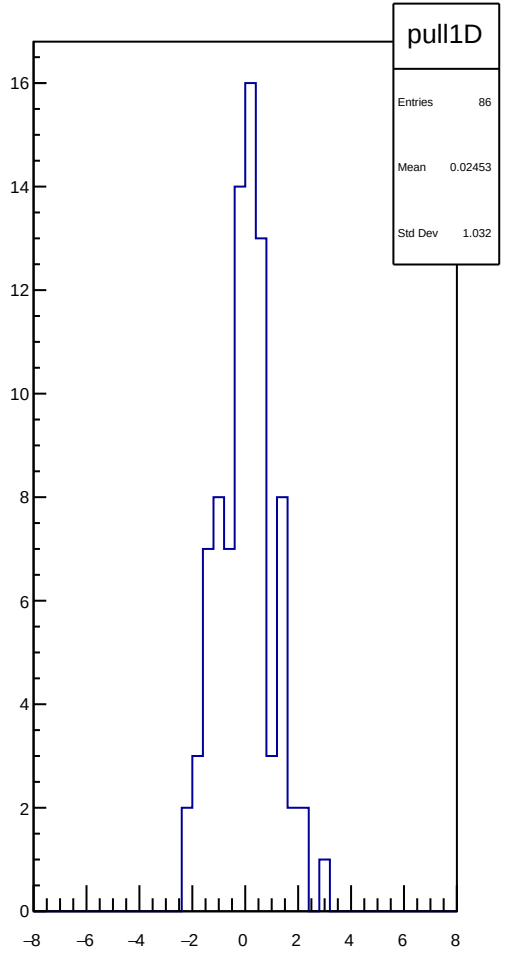

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 7916 / 85
p0 6414 ± 4.996
8000
7500
7000
6500
6000
5500

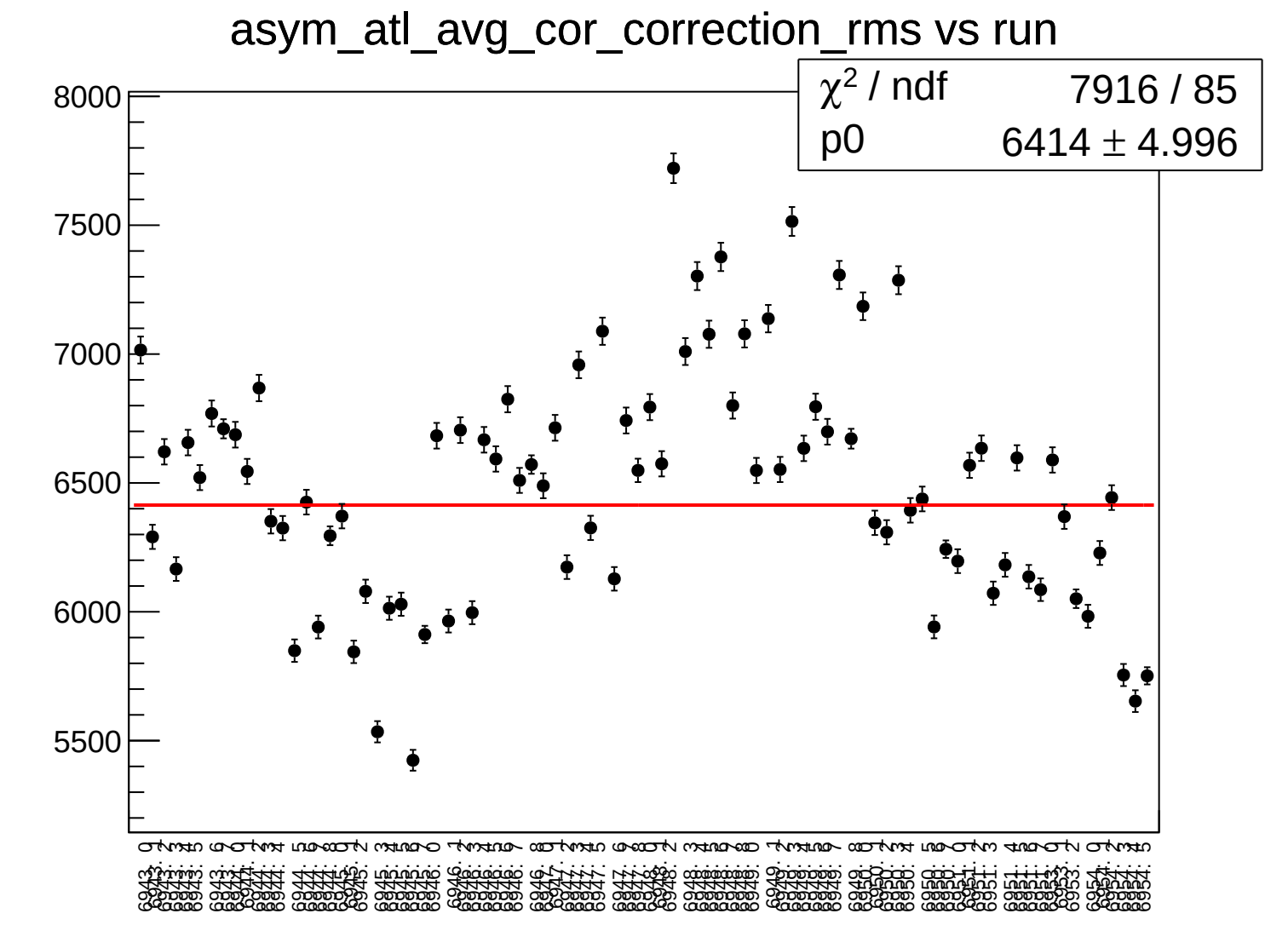

cor_asym_atl_avg_mean vs run
χ² / ndf 90.52 / 85
p0 1137 ± 1939
pull
Entries 86
Mean −28.97
Std Dev 0

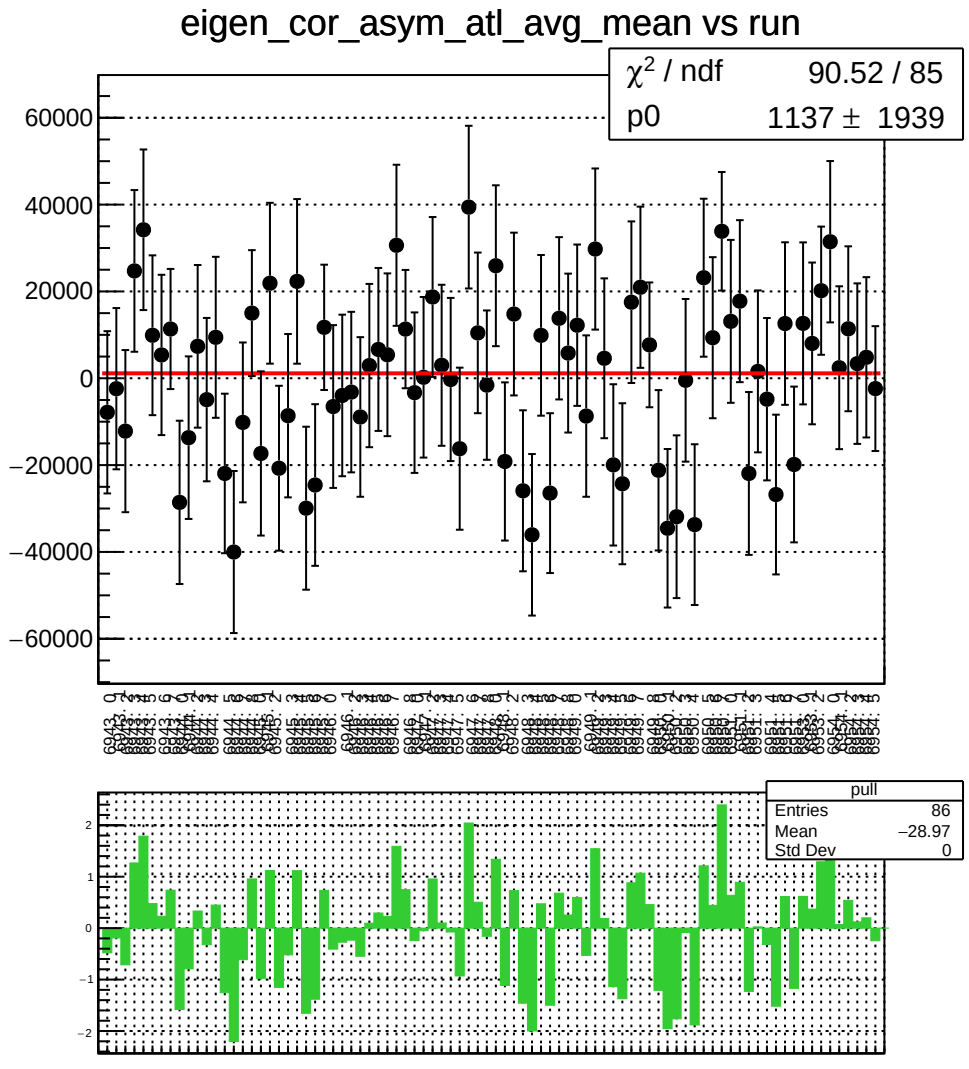

pull1D
Entries 86
Mean −0.0257
Std Dev 1.026

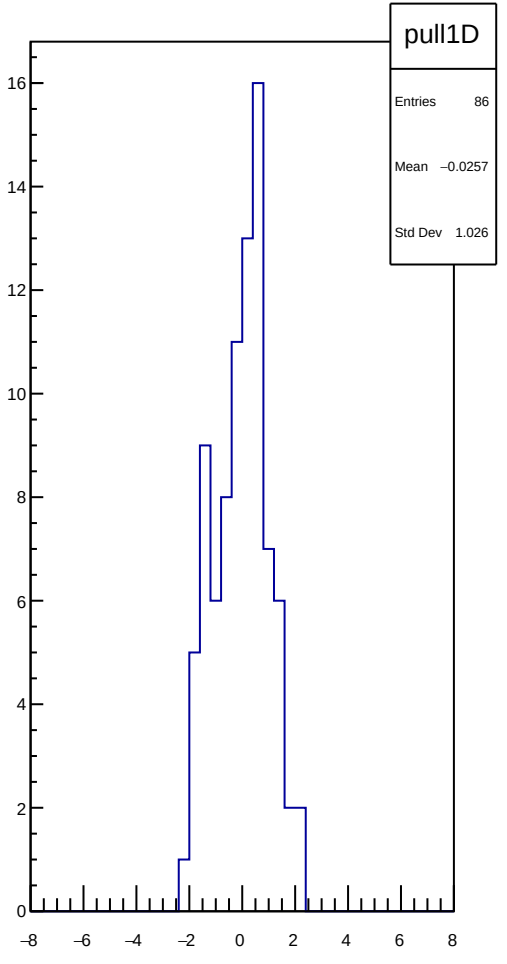

cor_asym_atl_avg_rms vs run
χ^2 / ndf 121.5 / 85
p0 1765 ± 1.371
1820
1800
1780
1760
1740
1720

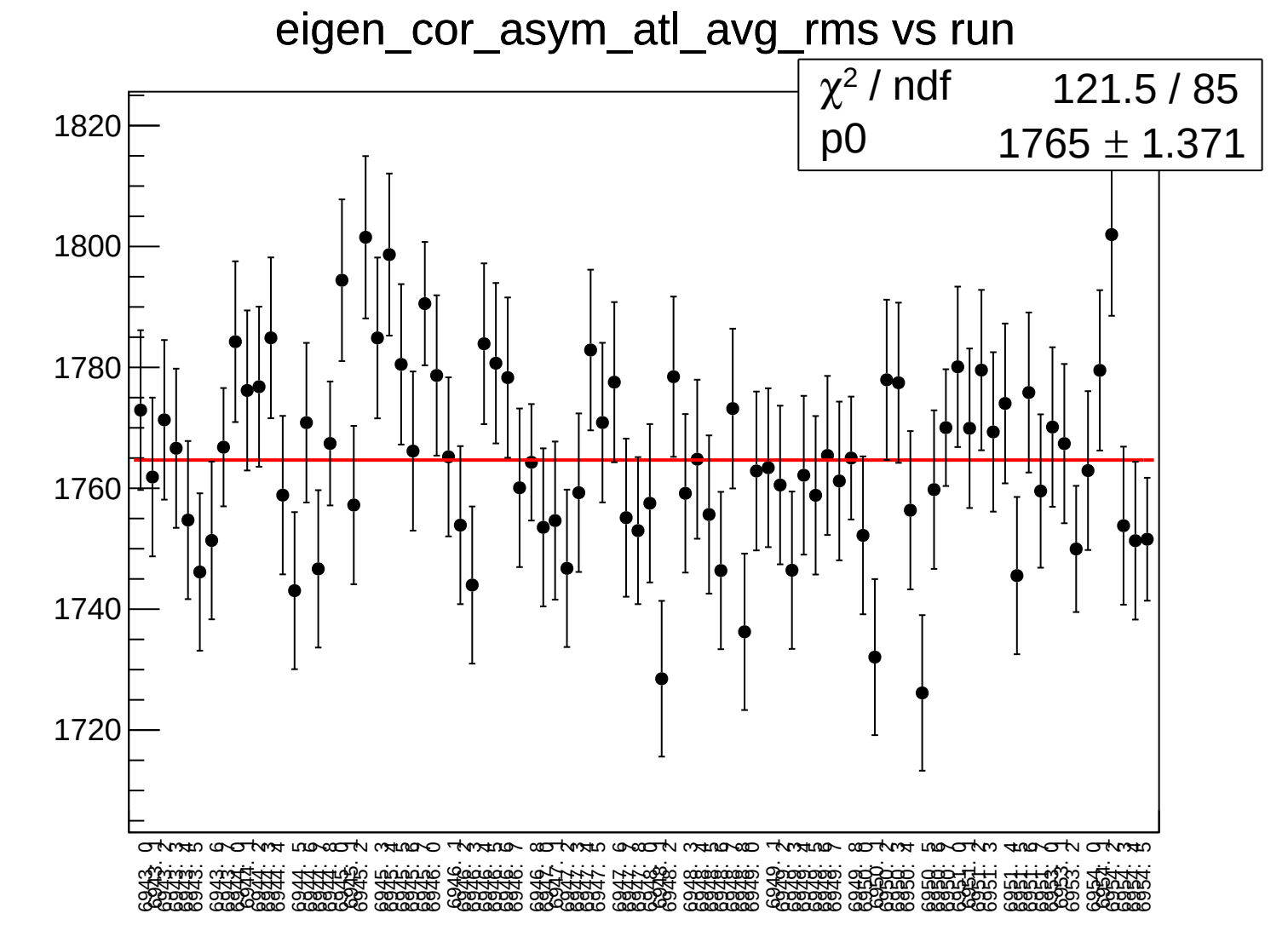

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 91.58 / 85
p0 −380.1± 7065
×10³
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.7
Std Dev 0
3
2
1
0
−1
−2

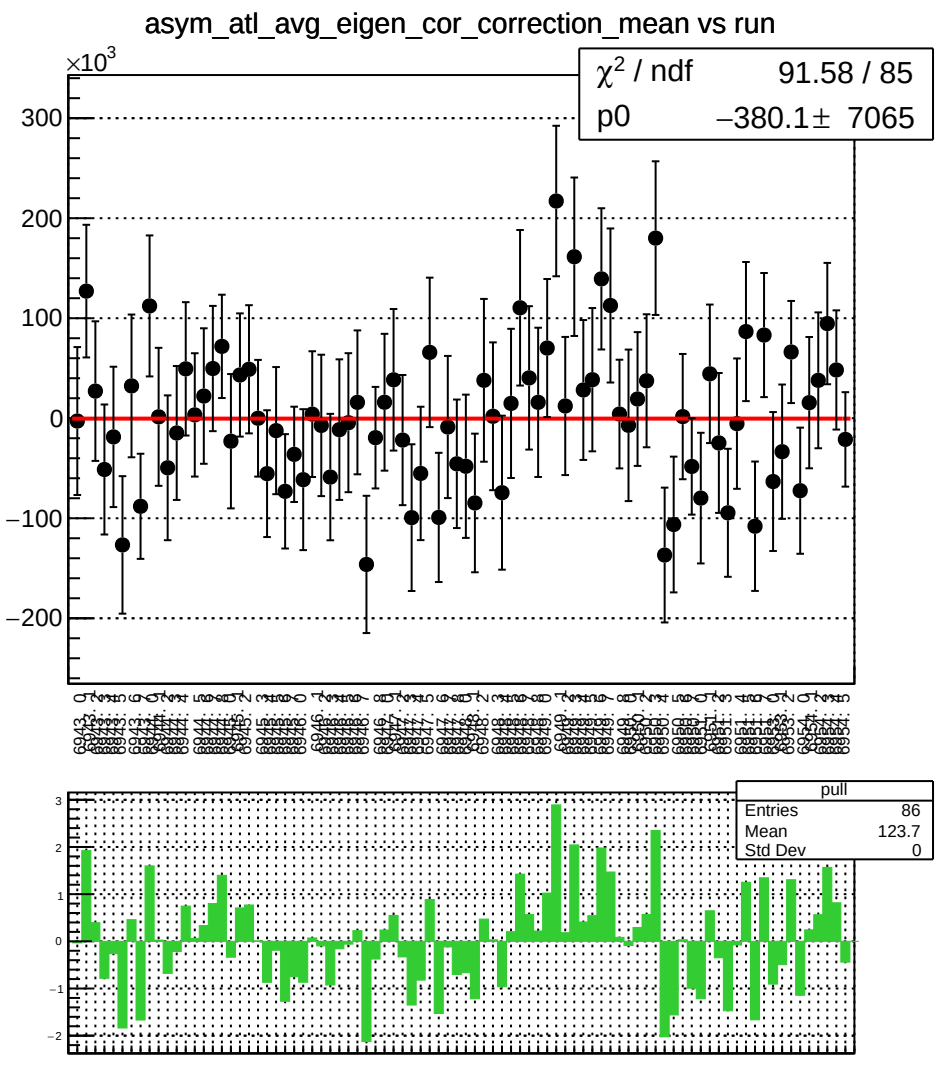

pull1D
Entries 86
Mean 0.02453
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

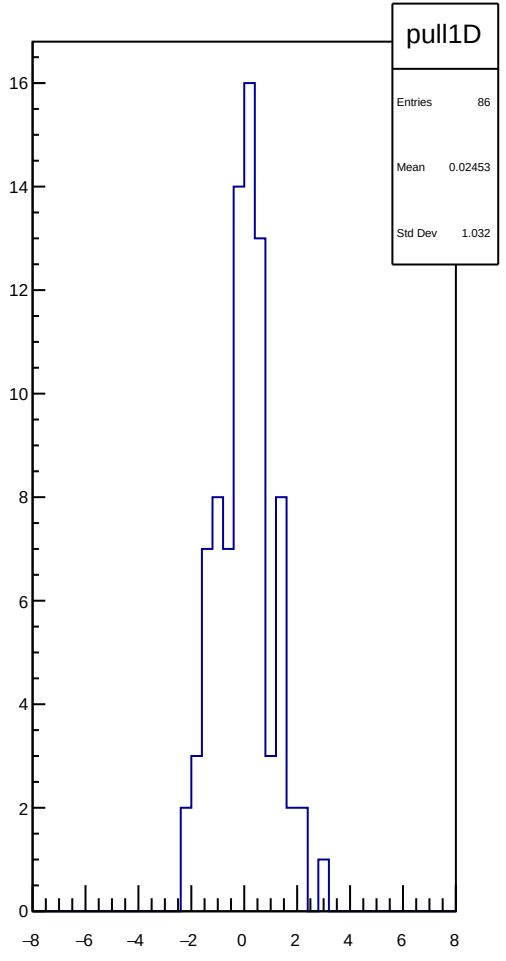

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 7916 / 85
p0 6414 ± 4.996
8000
7500
7000
6500
6000
5500

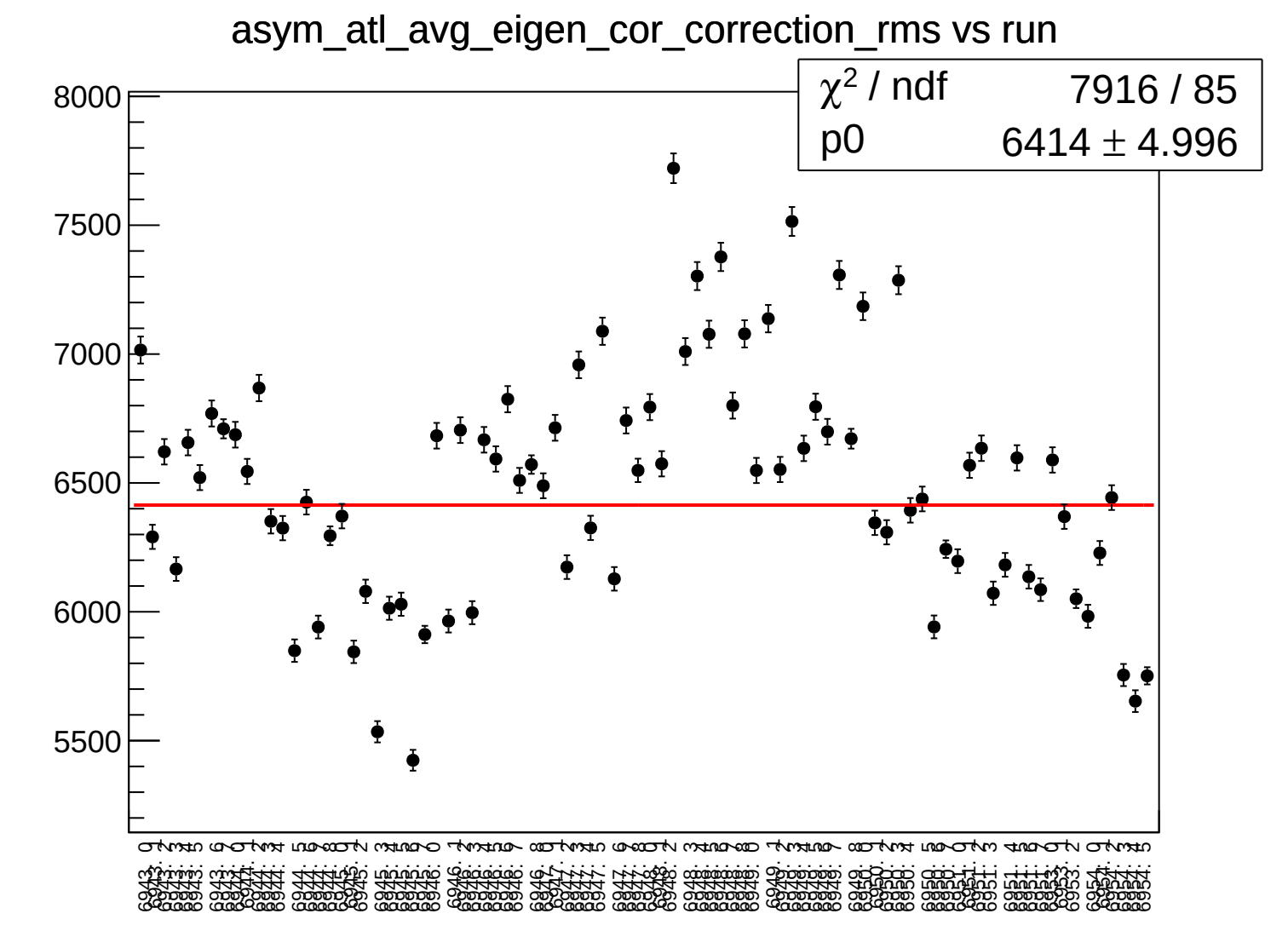

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 90.52 / 85
p0 1137 ± 1939
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −28.97
Std Dev 0
2
1
0
−1
−2

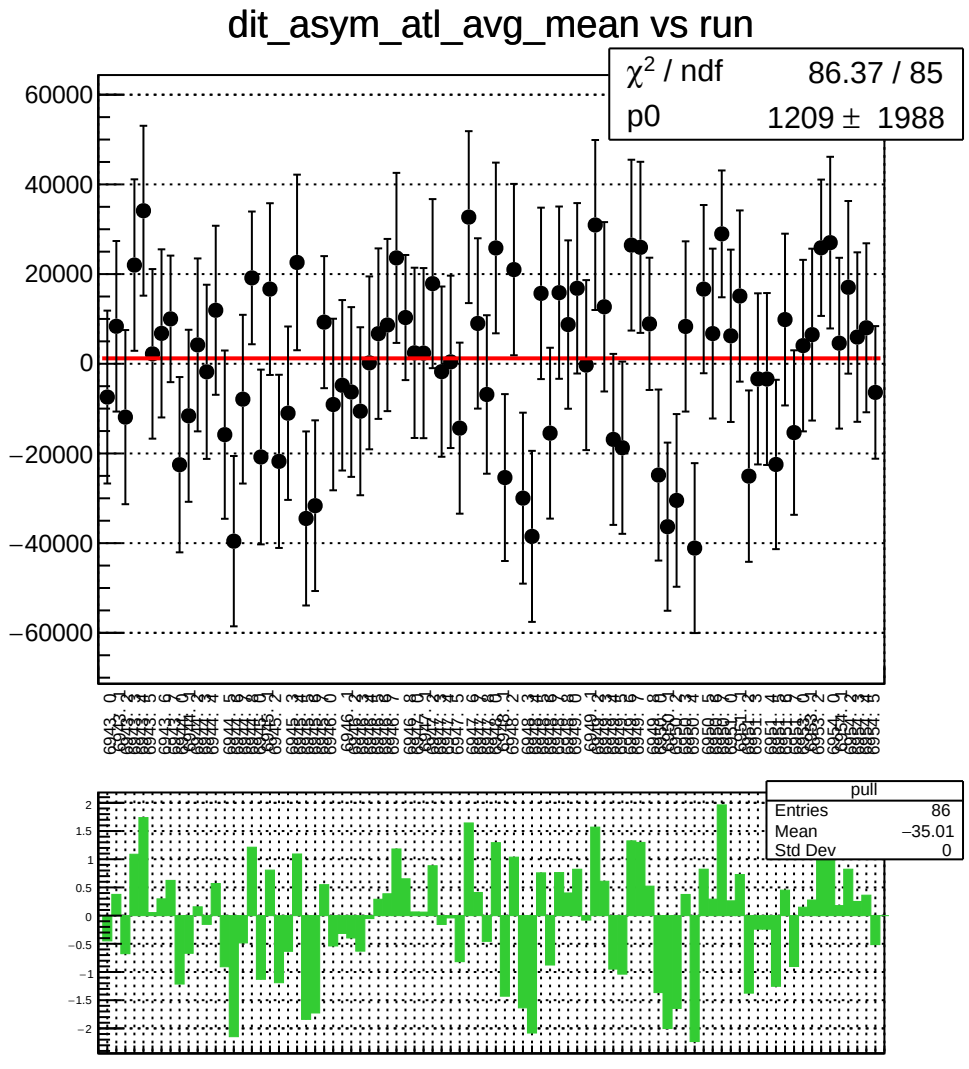

pull1D
Entries 86
Mean −0.0257
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

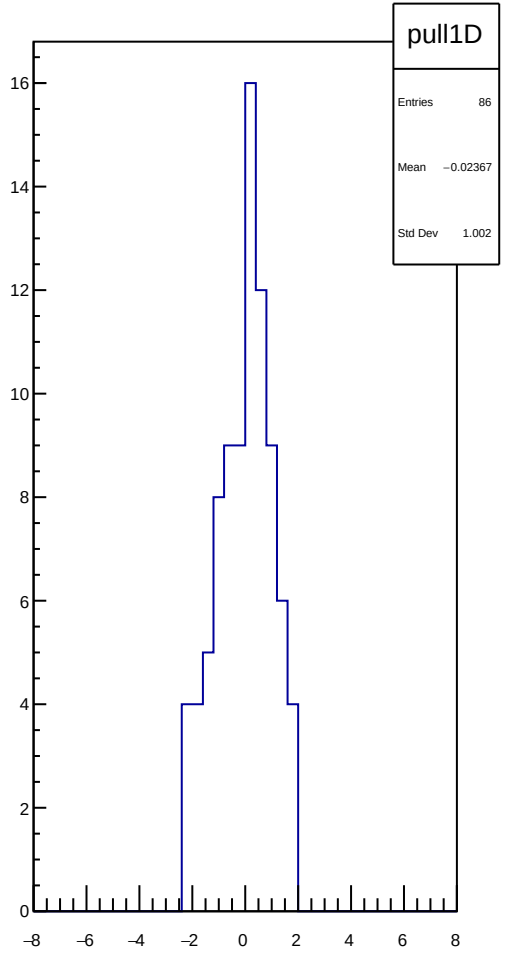

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 121.5 / 85
p0 1765 ± 1.371
1820
1800
1780
1760
1740
1720

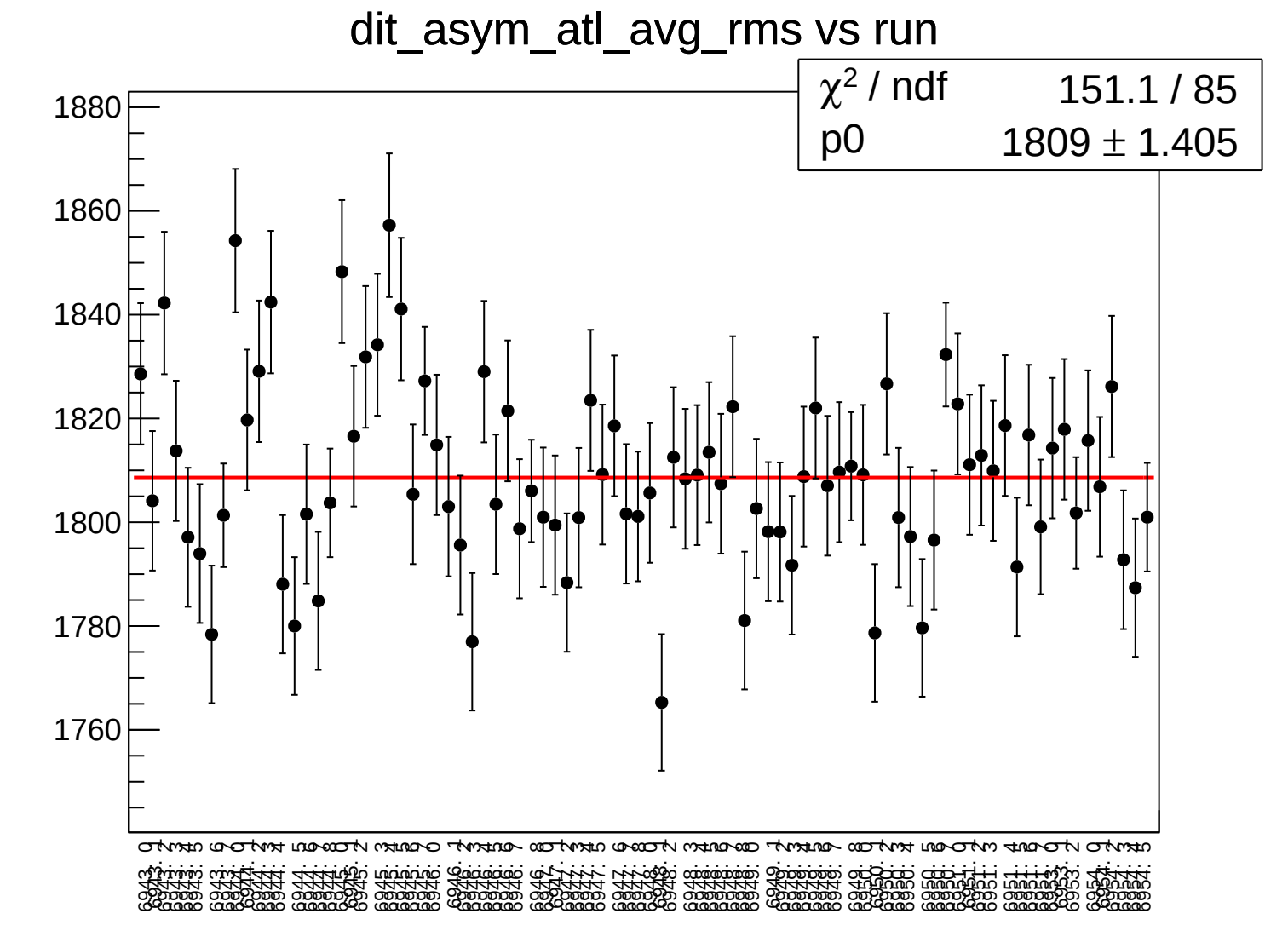

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.58 / 85
p0 −380.1± 7065
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.7
Std Dev 0
3
2
1
0
−1
−2

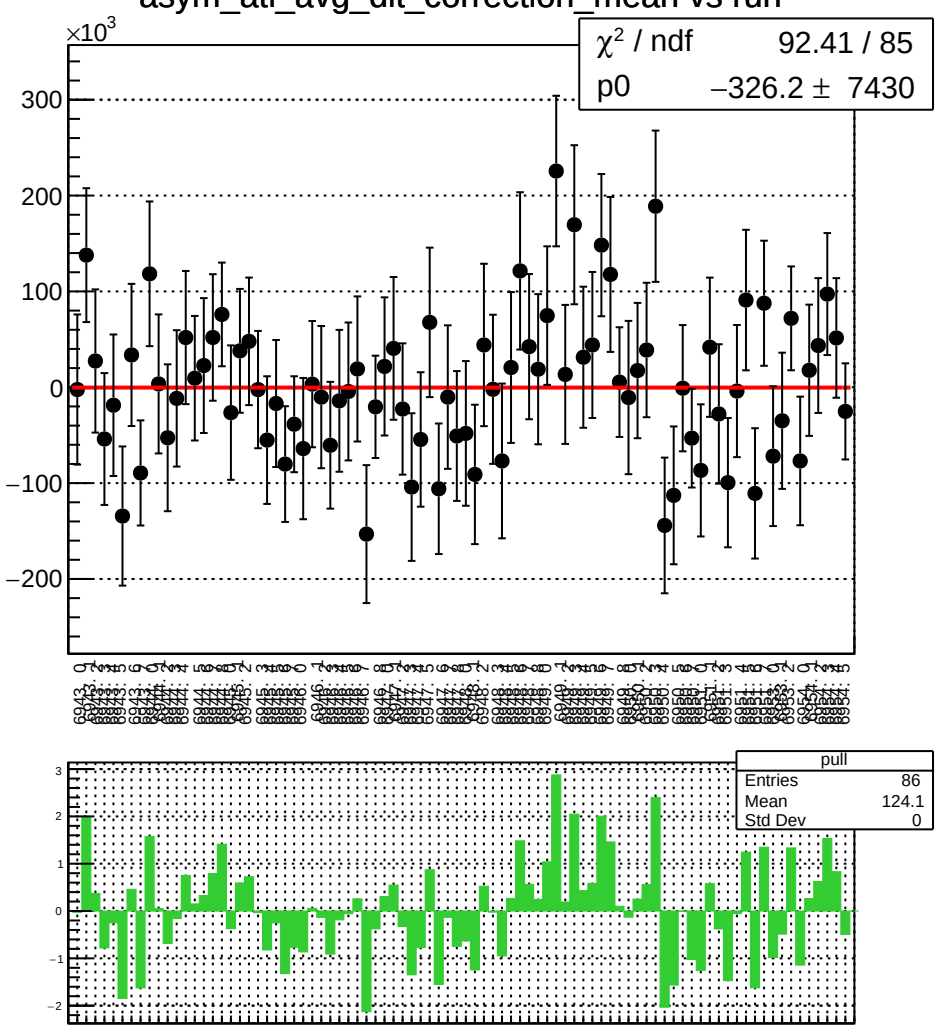

pull1D
Entries 86
Mean 0.02453
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

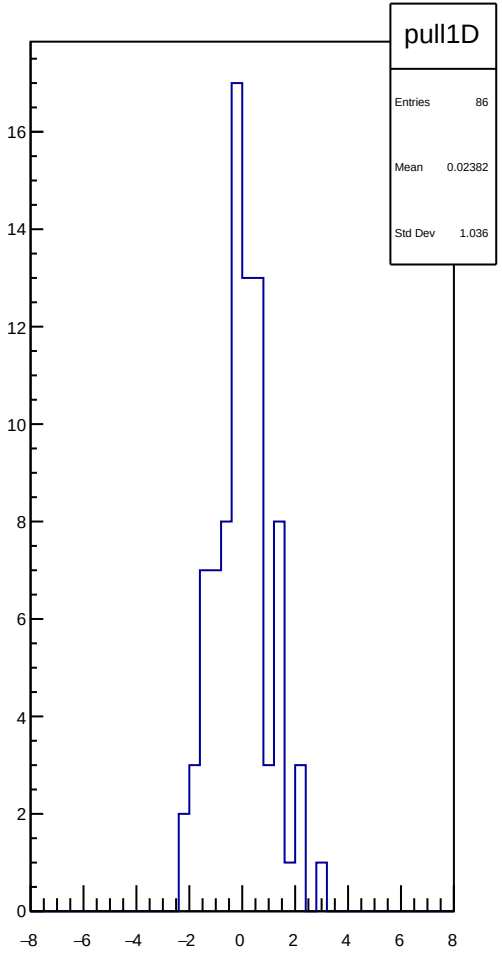

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 7916 / 85
p0 6414 ± 4.996
8000
7500
7000
6500
6000
5500

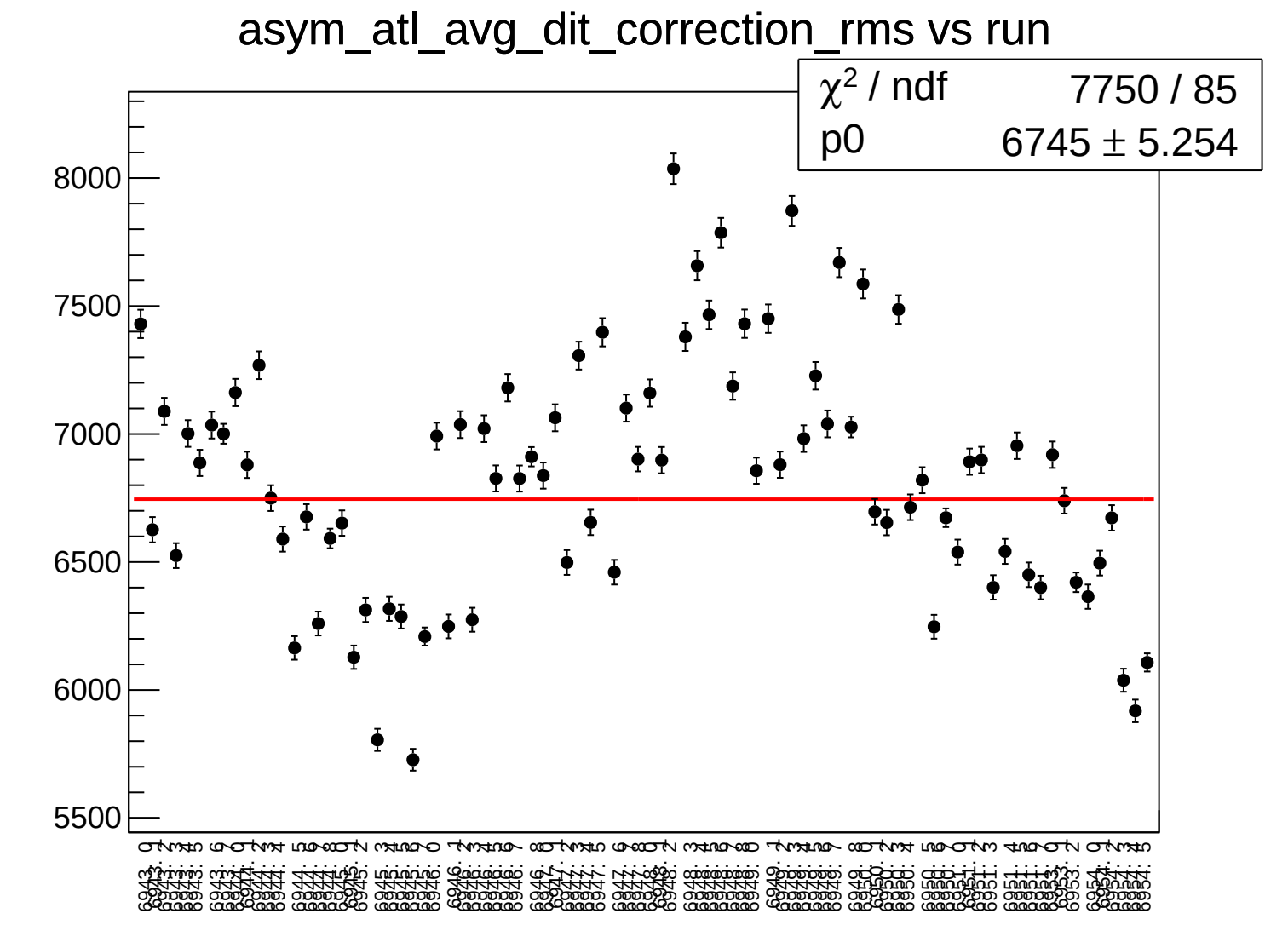

dit_asym_atl_avg_mean vs run
χ² / ndf 86.37 / 85
p0 1209 ± 1988
pull
Entries 86
Mean −35.01
Std Dev 0

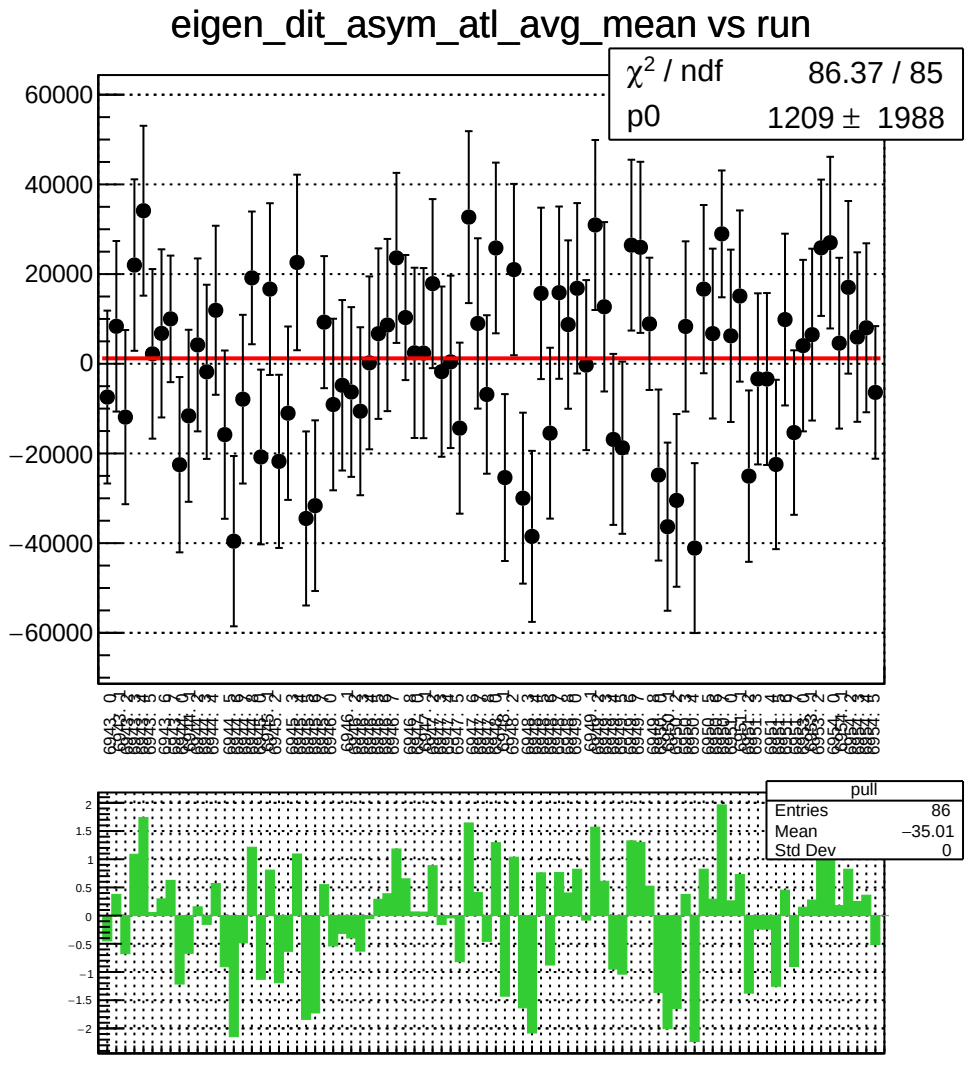

pull1D
Entries 86
Mean −0.02367
Std Dev 1.002

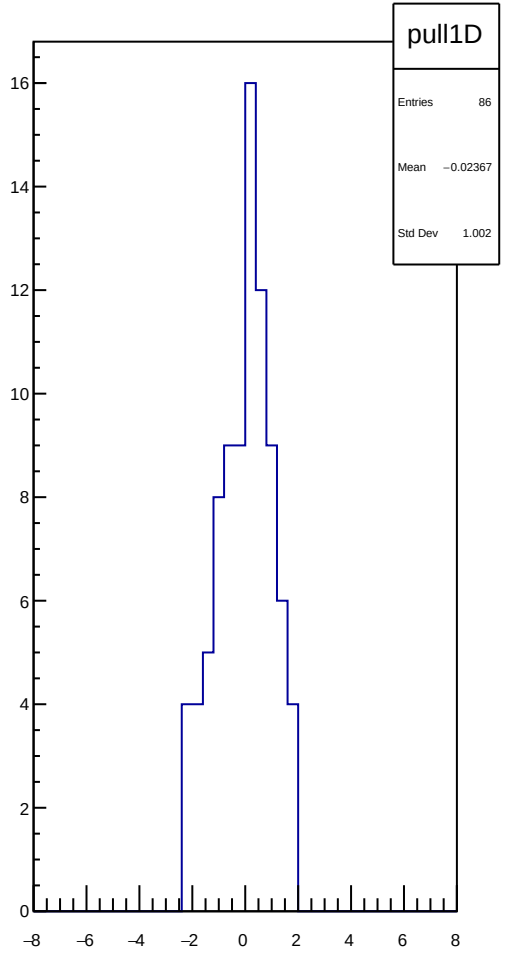

dit_asym_atl_avg_rms vs run
χ² / ndf 151.1 / 85
p0 1809 ± 1.405
1880
1860
1840
1820
1800
1780
1760

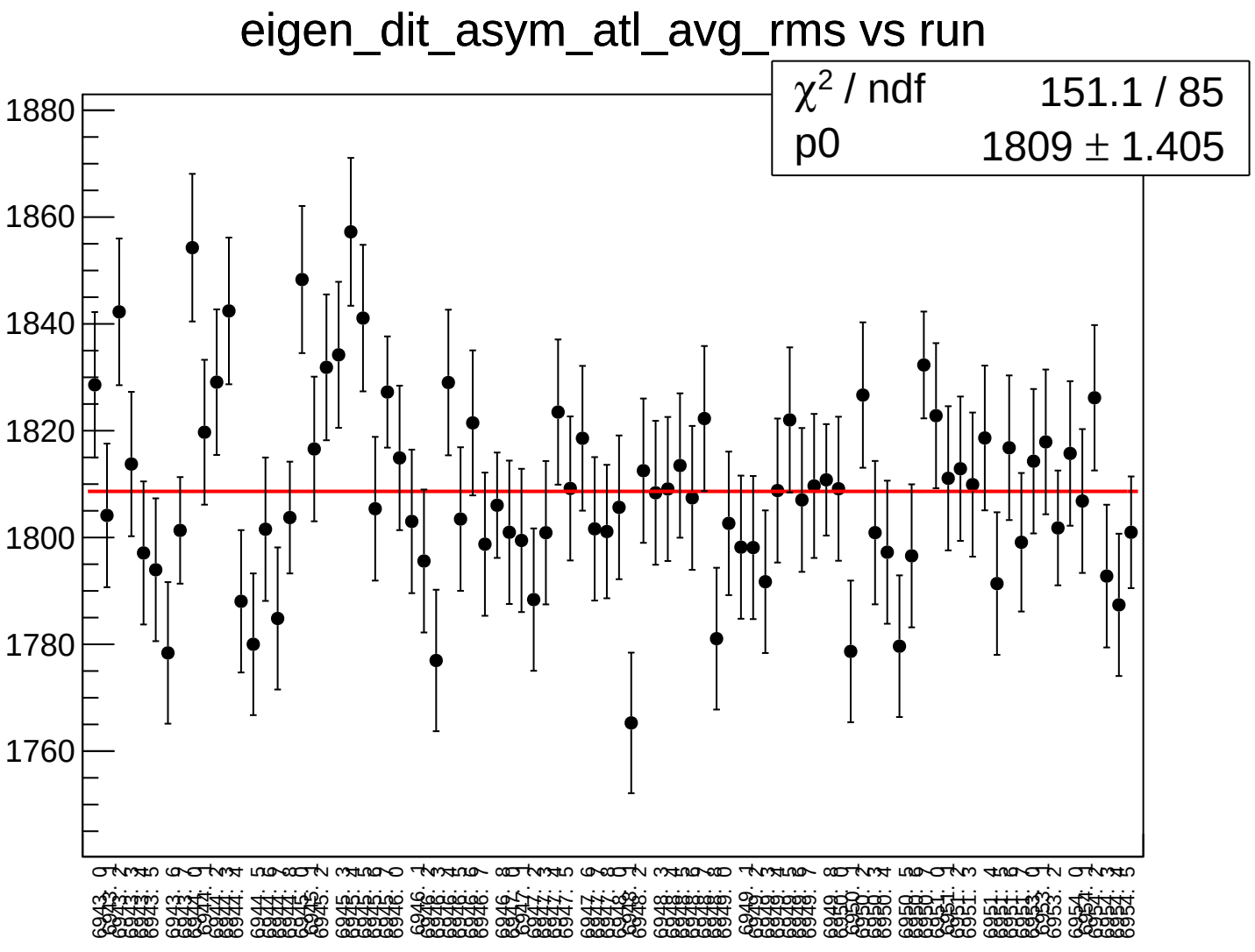

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.41 / 85
p0 −326.2 ± 7430
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.1
Std Dev 0
3
2
1
0
−1
−2

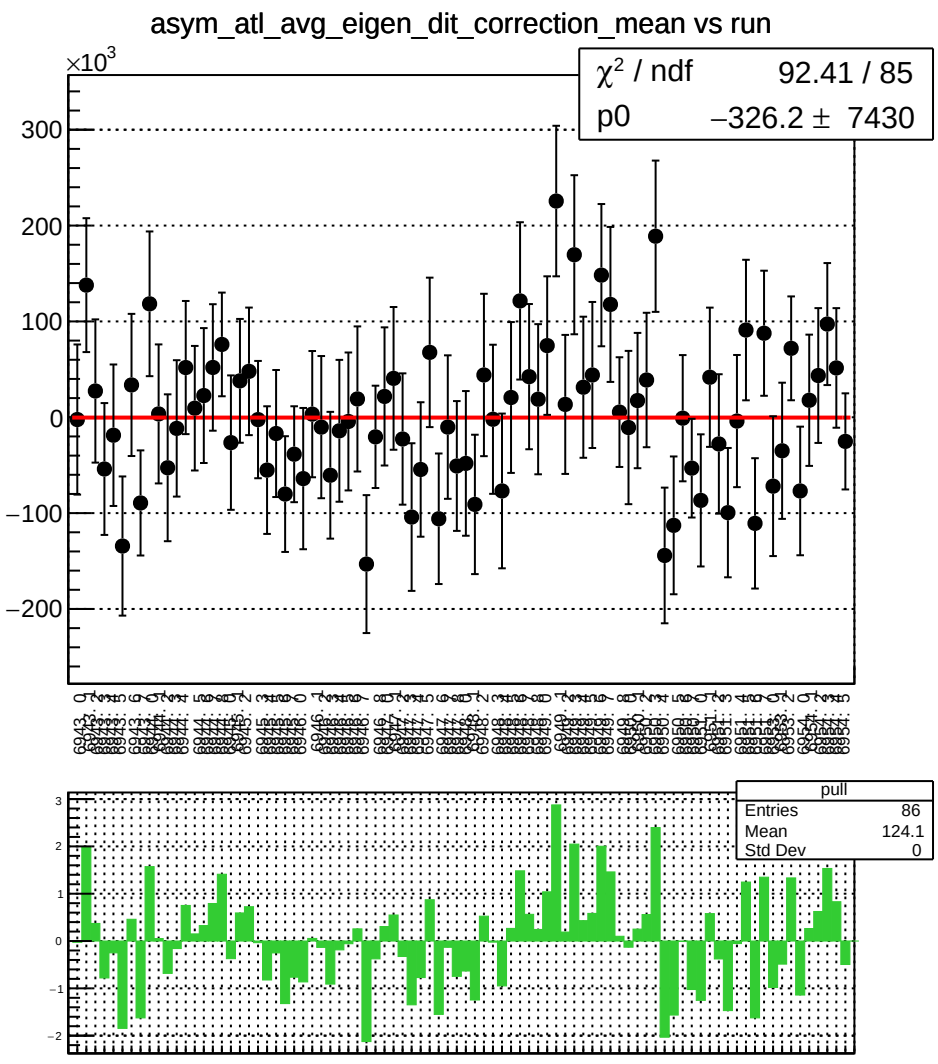

pull1D
Entries 86
Mean 0.02382
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

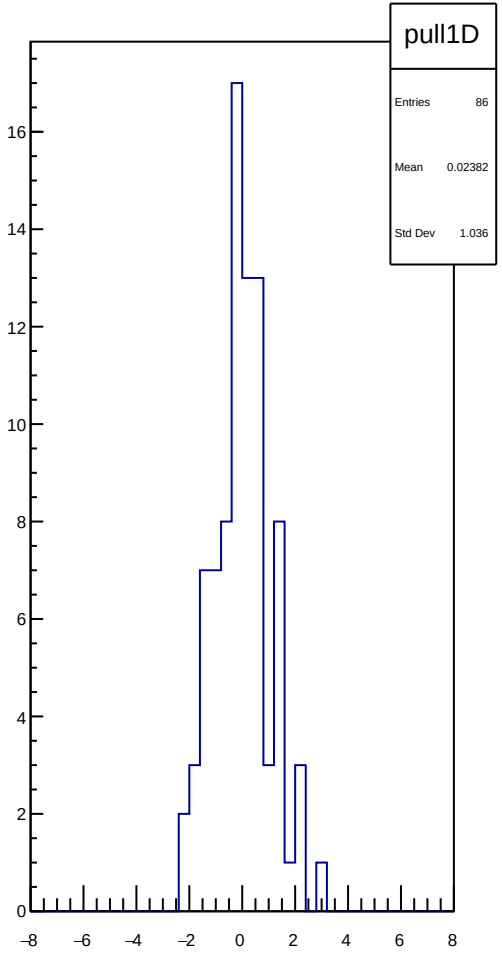

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 7750 / 85
p0 6745 ± 5.254
8000
7500
7000
6500
6000
5500

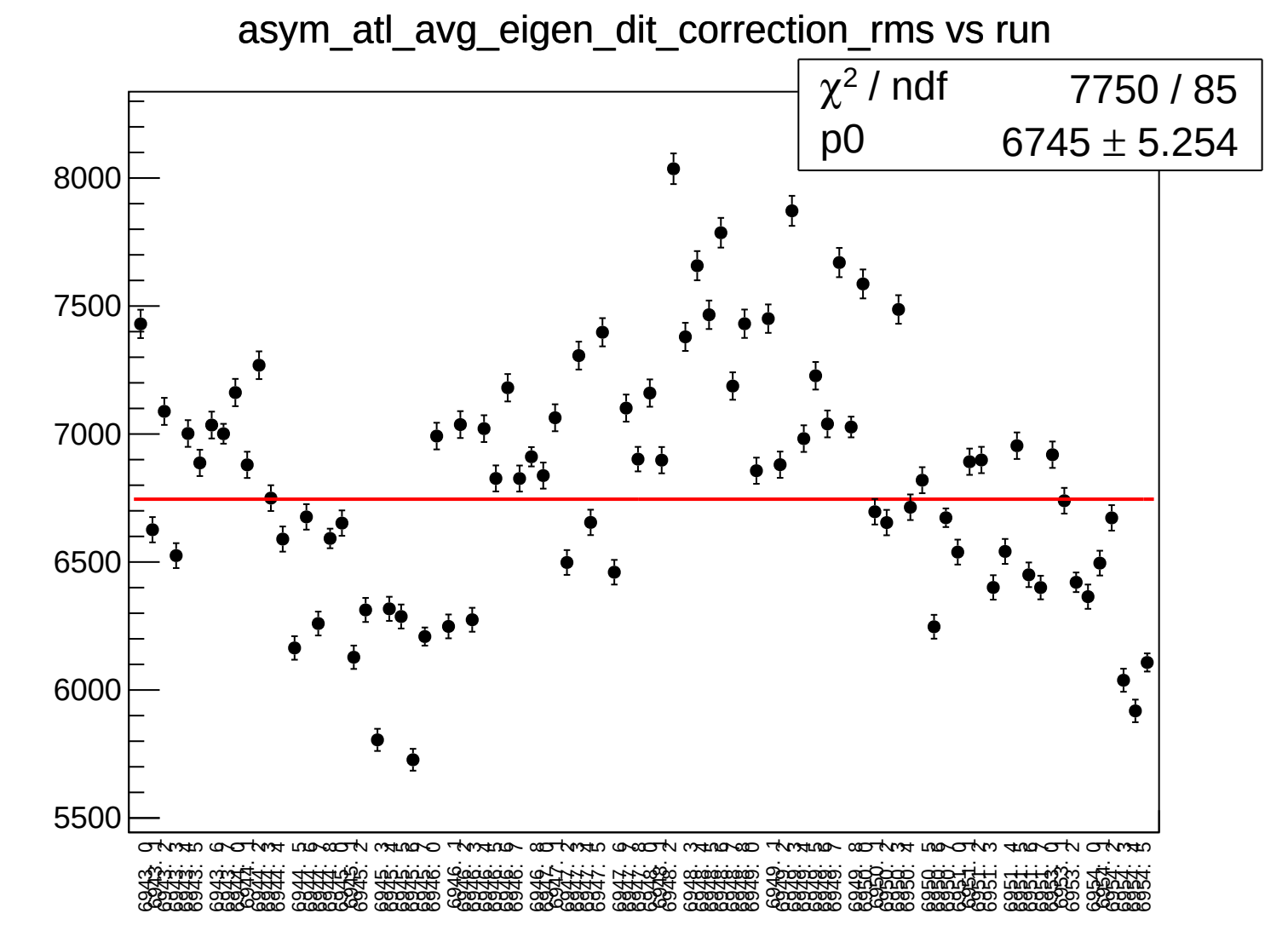

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 86.37 / 85
p0 1209 ± 1988
pull
Entries 86
Mean −35.01
Std Dev 0

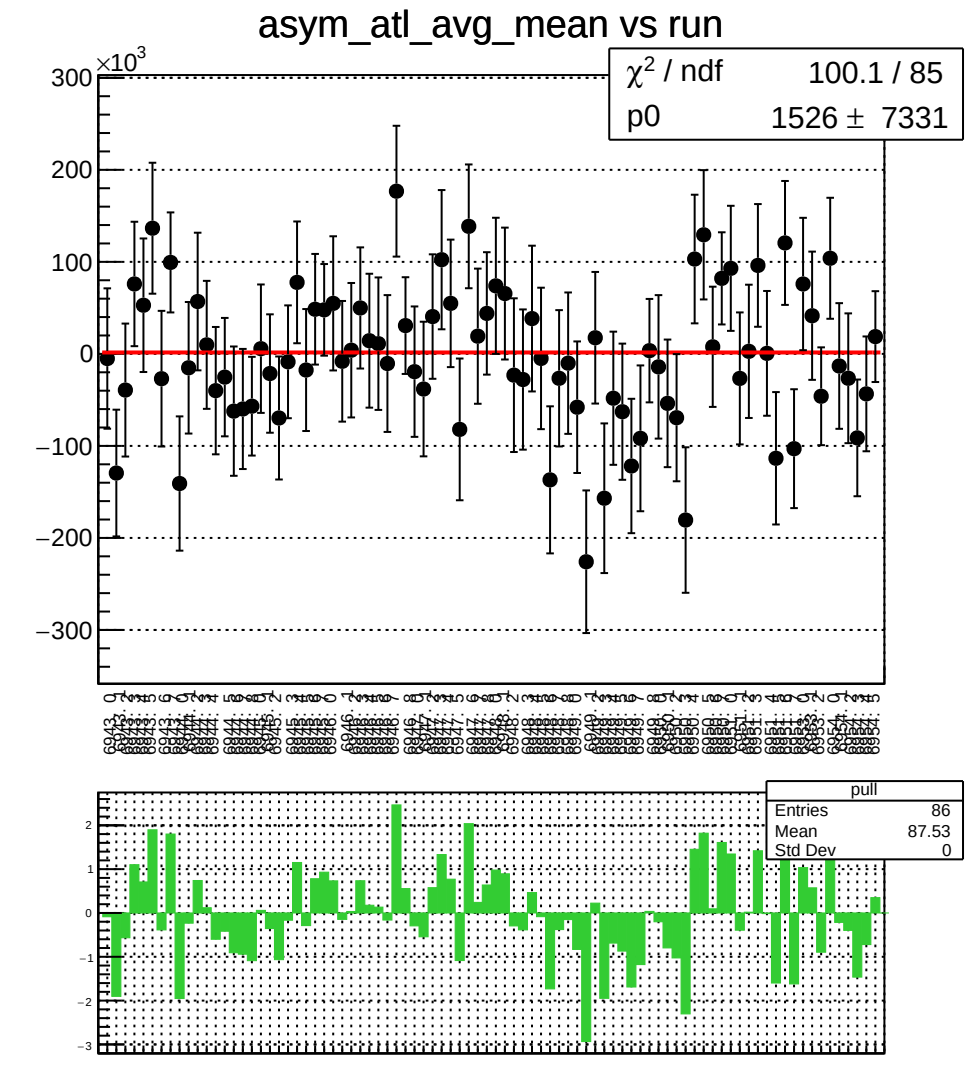

pull1D
Entries 86
Mean −0.02367
Std Dev 1.002

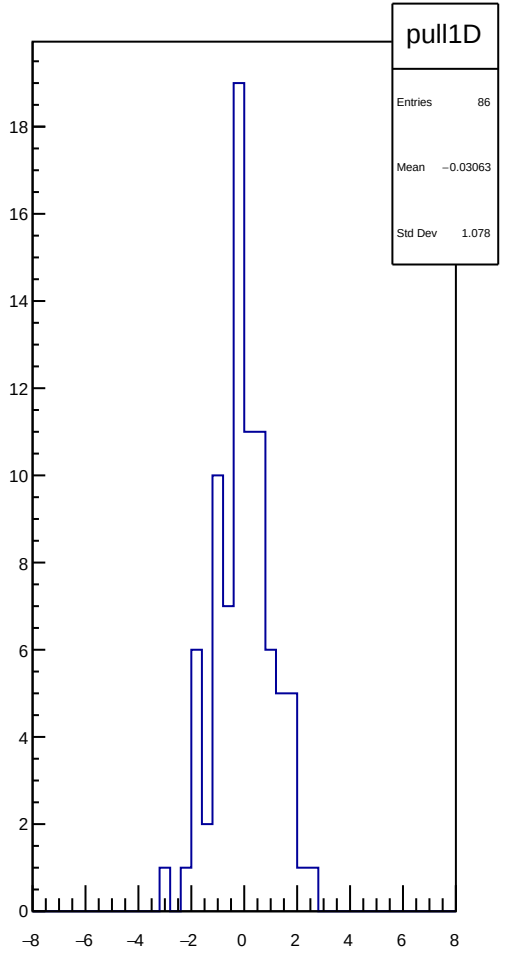

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 151.1 / 85
p0 1809 ± 1.405
1880
1860
1840
1820
1800
1780
1760

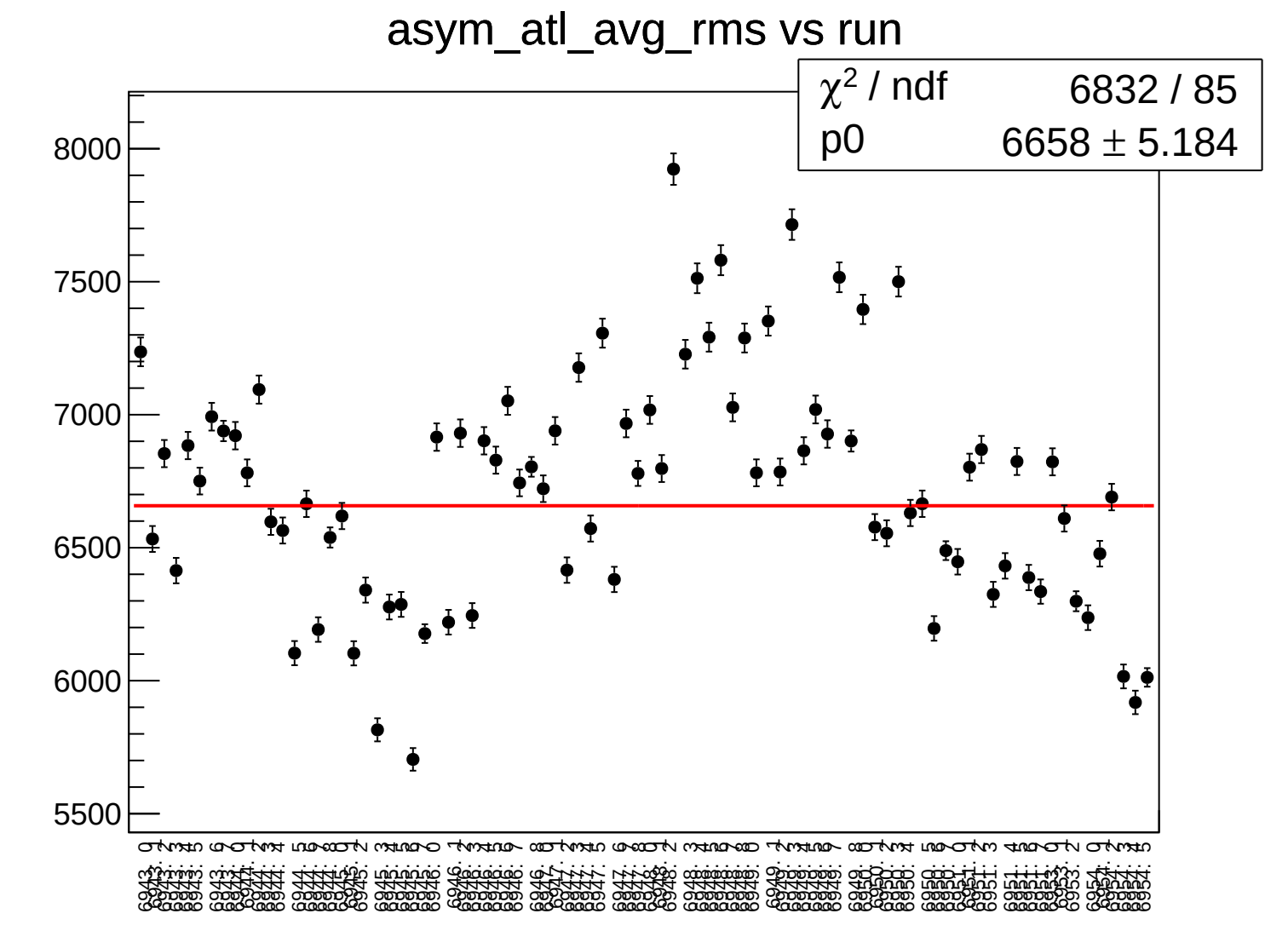

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.41 / 85
p0 −326.2 ± 7430
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.1
Std Dev 0
3
2
1
0
−1
−2

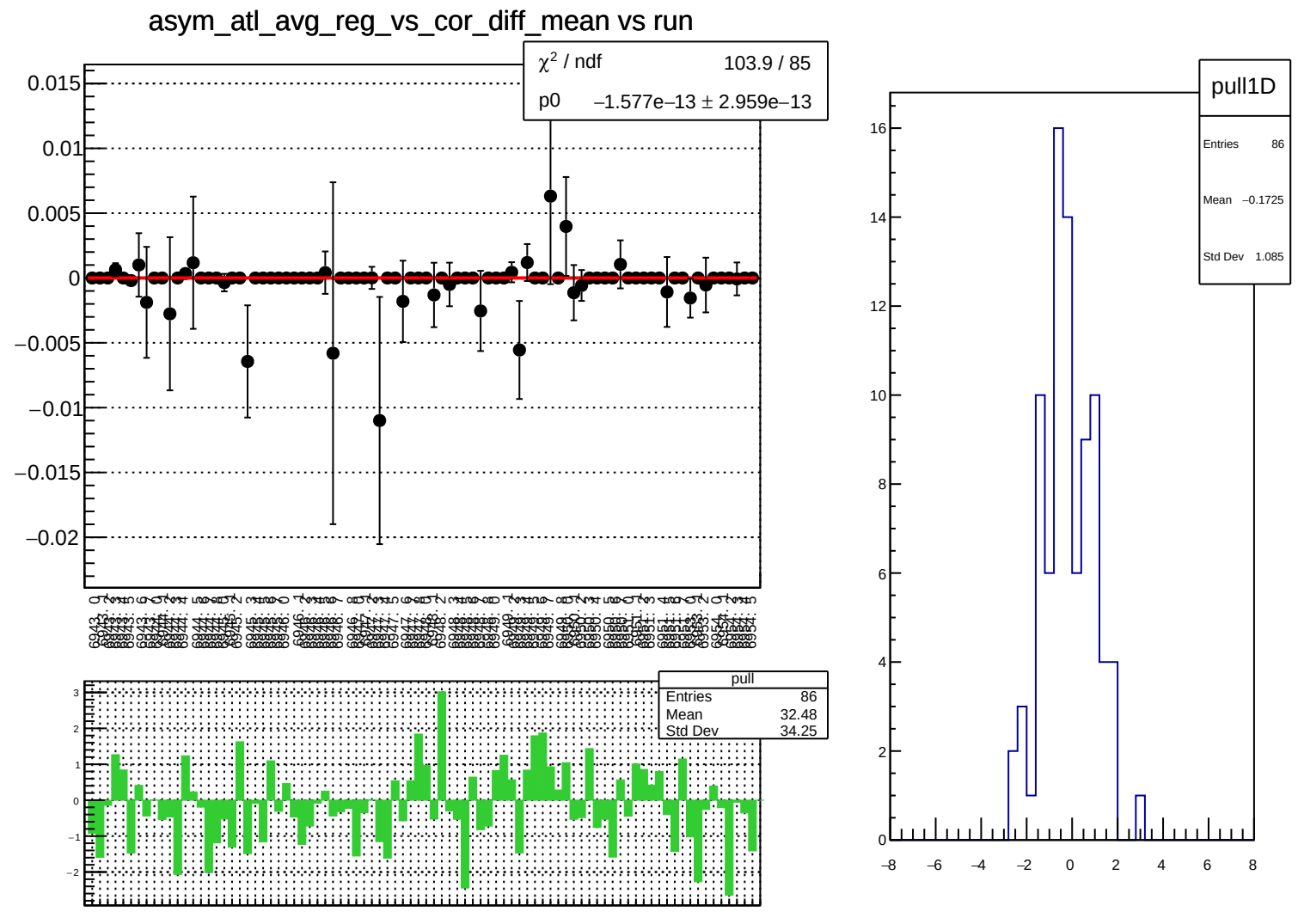

pull1D
Entries 86
Mean 0.02382
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

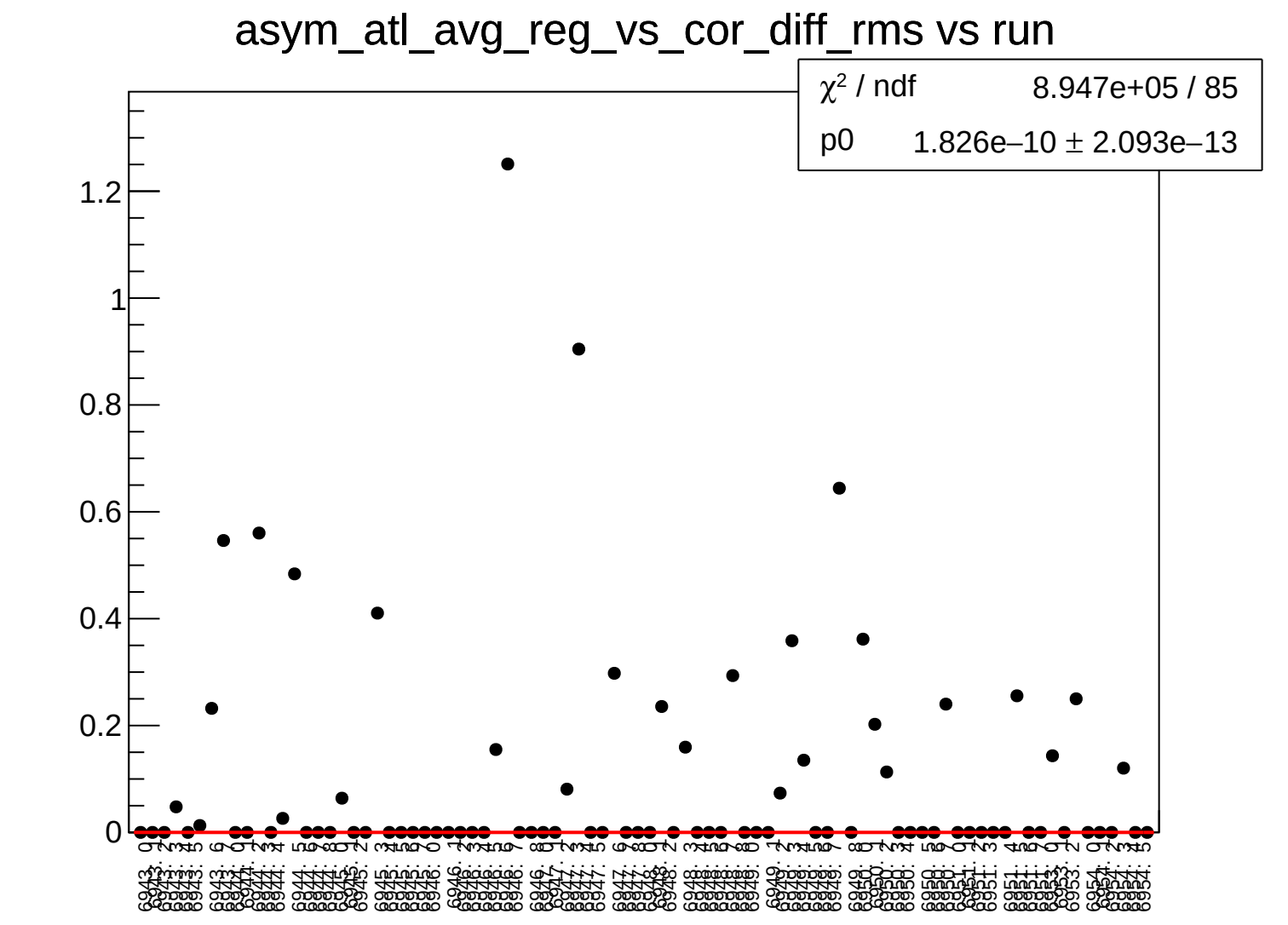

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 7750 / 85
p0 6745 ± 5.254
8000
7500
7000
6500
6000
5500

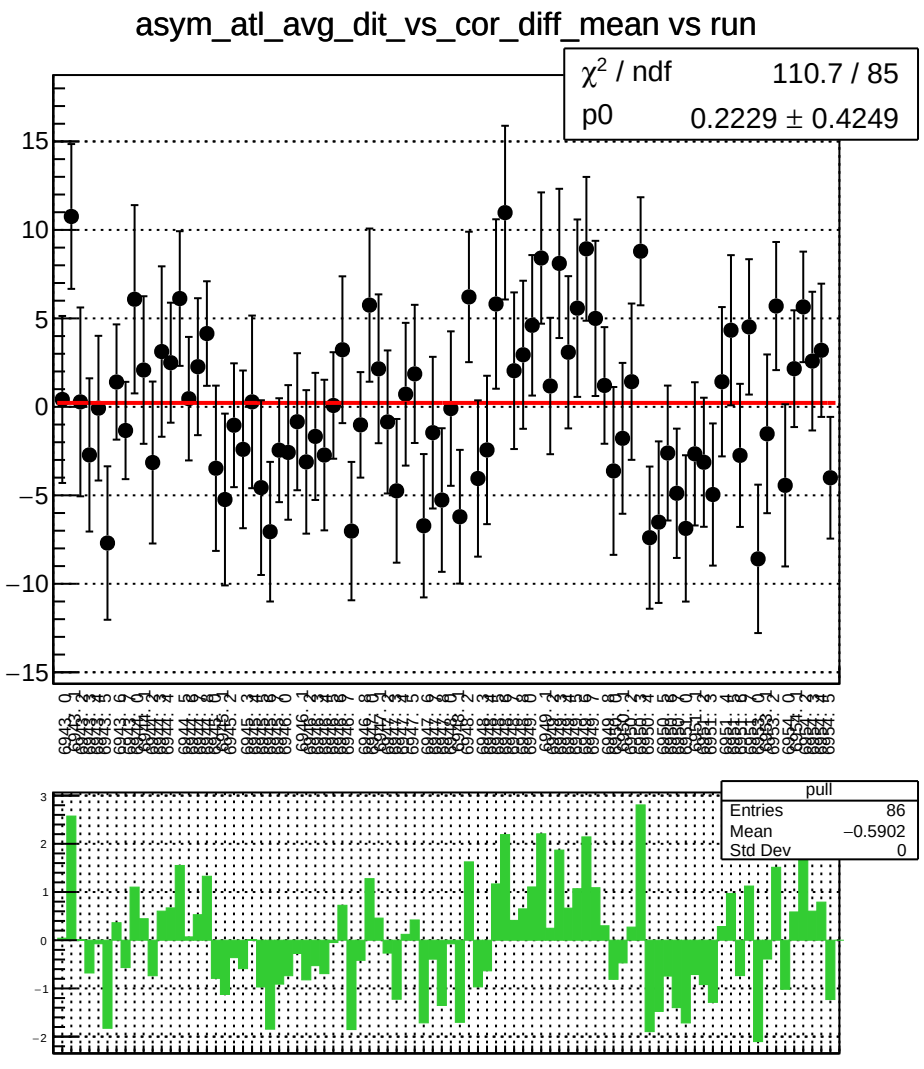

asym_atl_avg_mean vs run
×10^3
χ² / ndf 100.1 / 85
p0 1526 ± 7331
pull
Entries 86
Mean 87.53
Std Dev 0

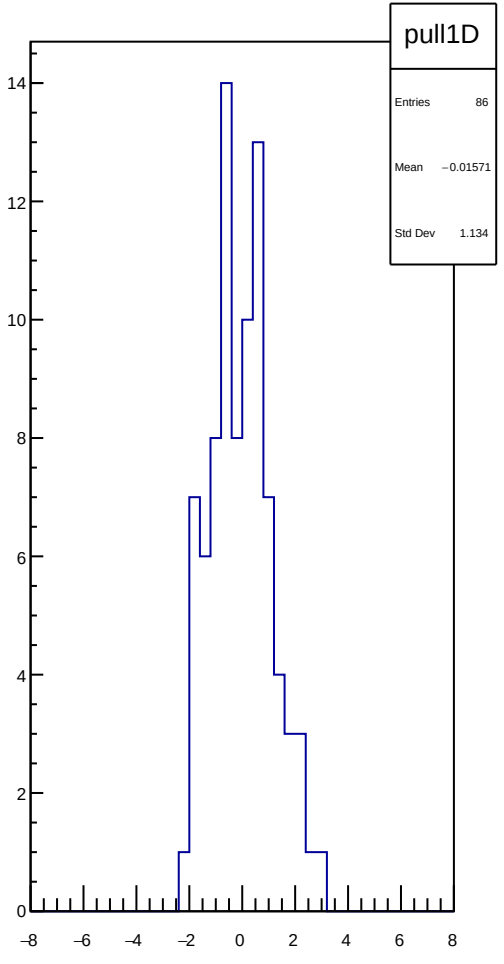

pull1D
Entries 86
Mean −0.03063
Std Dev 1.078

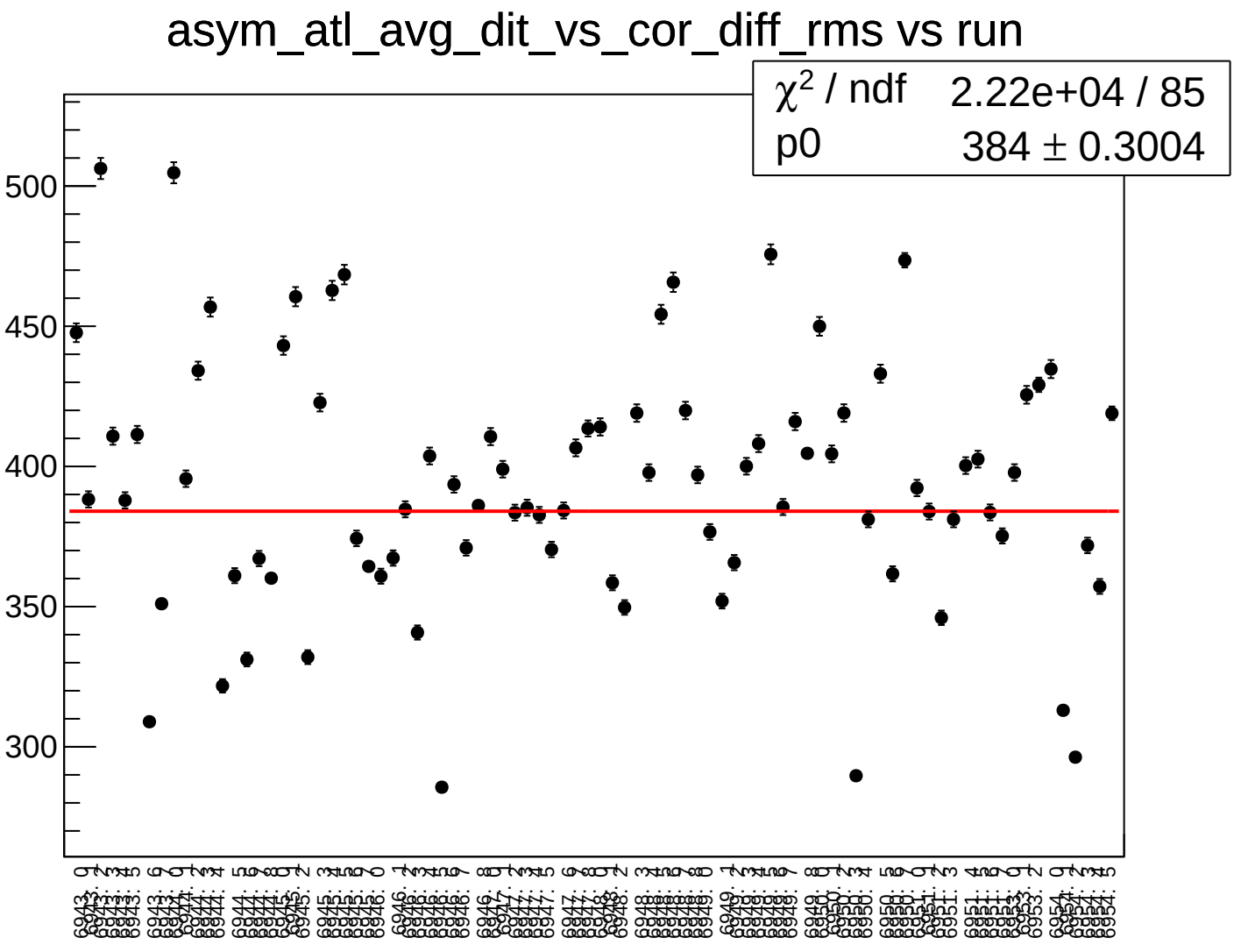

asym_atl_avg_rms vs run
χ² / ndf 6832 / 85
p0 6658 ± 5.184
8000
7500
7000
6500
6000
5500

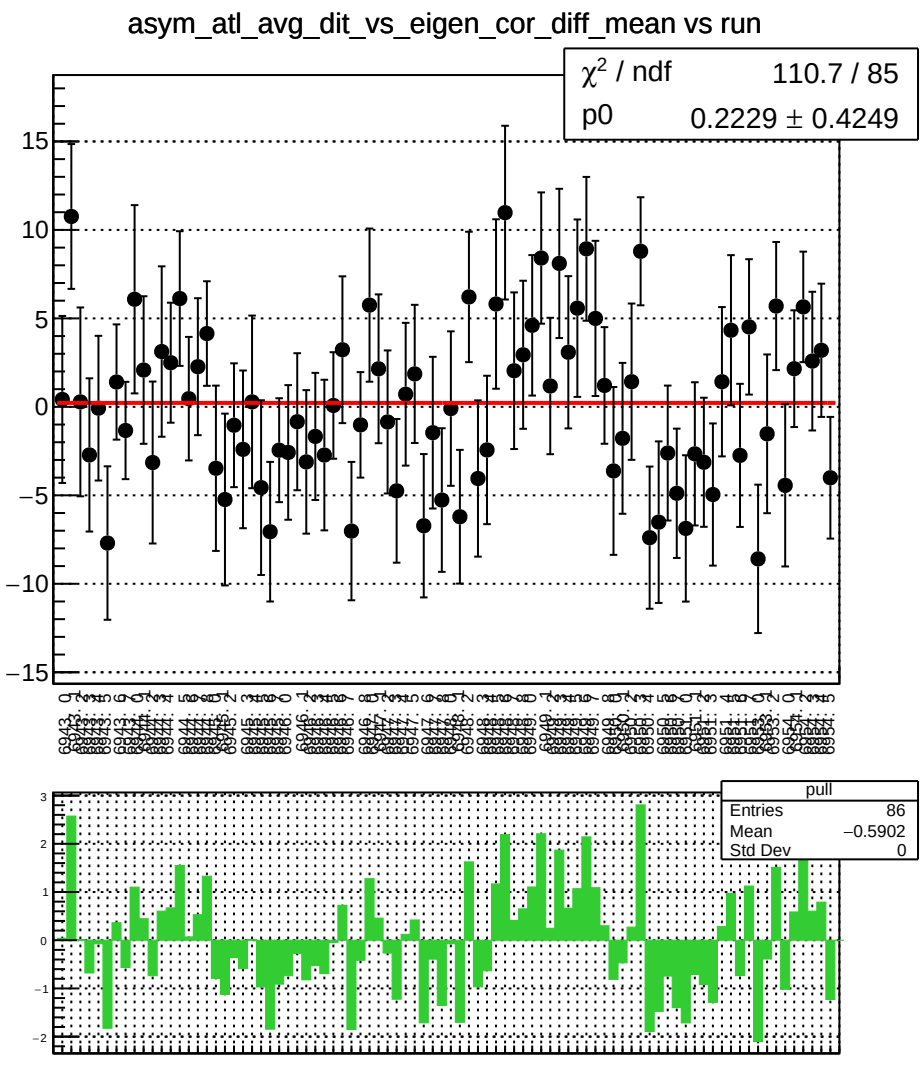

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 103.9 / 85
p0 −1.577e−13 ± 2.959e−13
pull
Entries 86
Mean 32.48
Std Dev 34.25
pull1D
Entries 86
Mean −0.1725
Std Dev 1.085

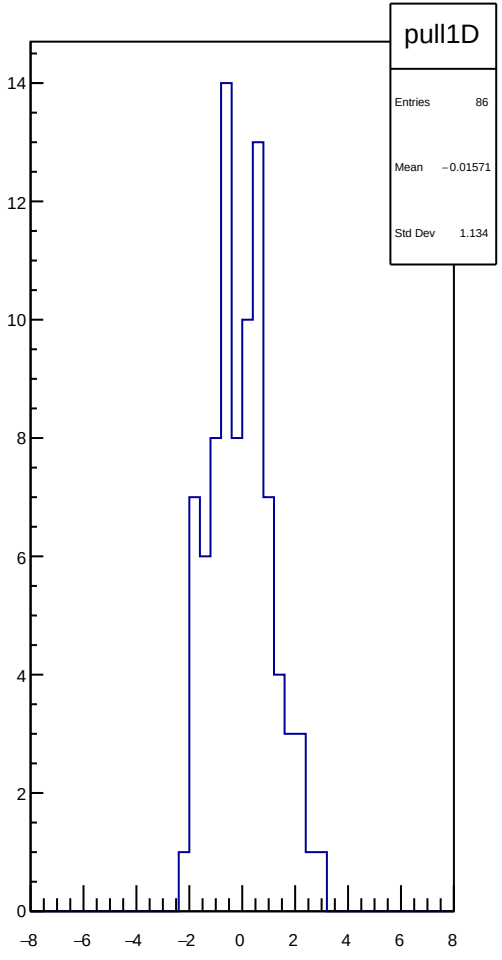

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.947e+05 / 85
p0 1.826e−10 ± 2.093e−13
1.2
1
0.8
0.6
0.4
0.2
0

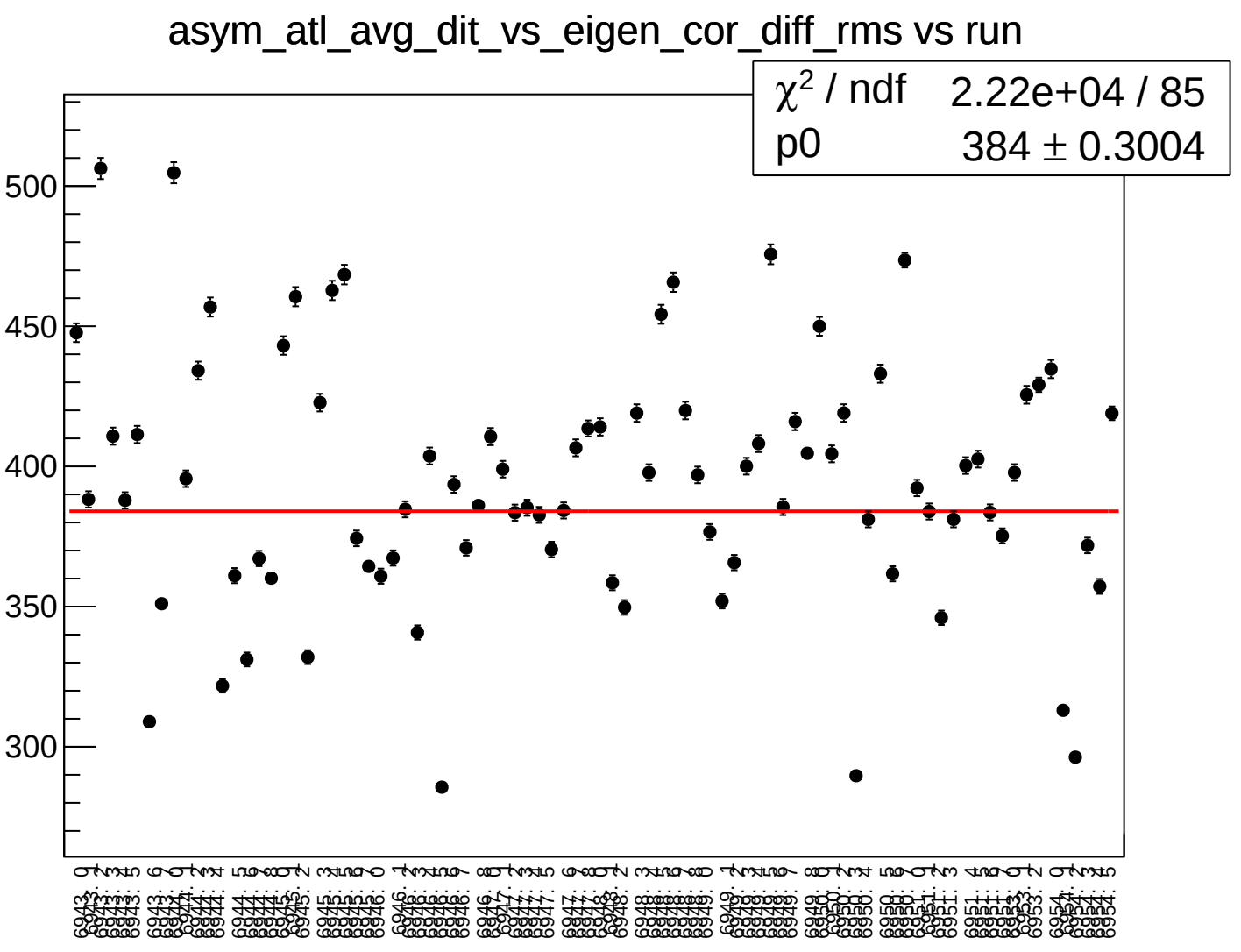

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 110.7 / 85
p0 0.2229 ± 0.4249
pull
Entries 86
Mean −0.5902
Std Dev 0

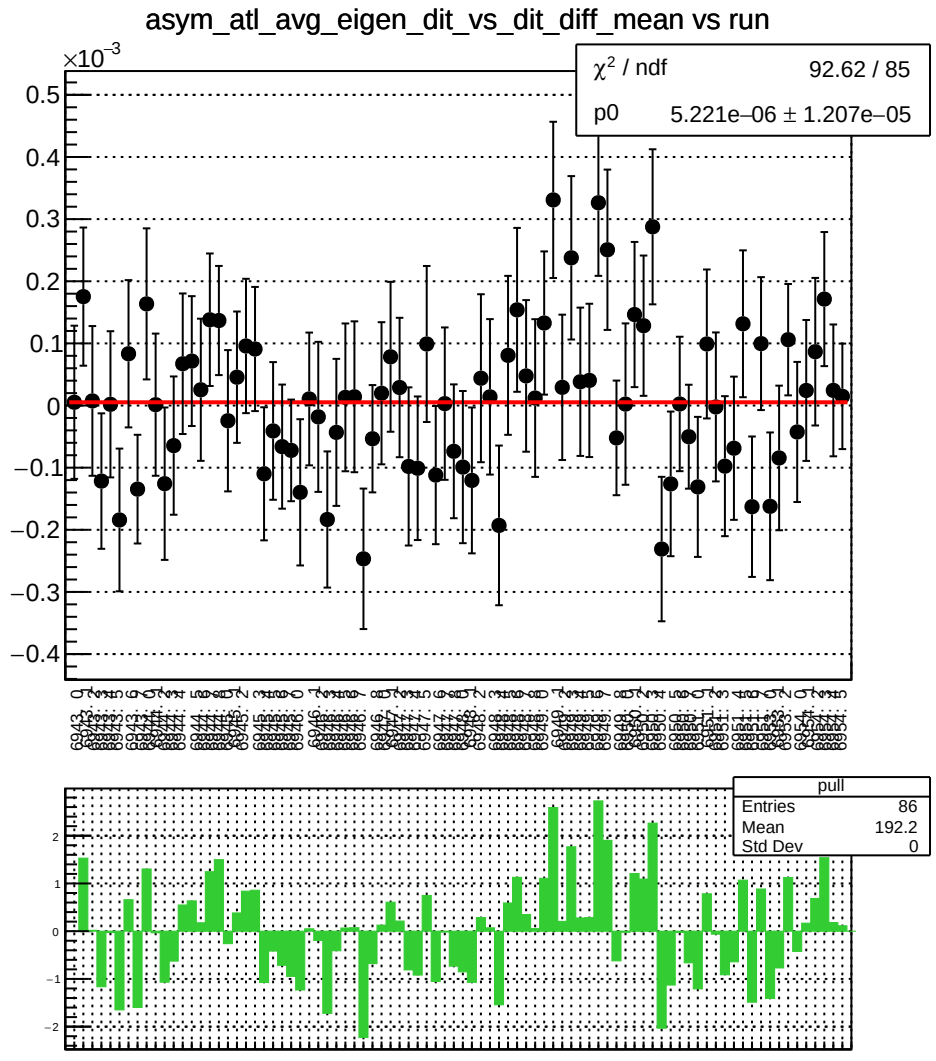

pull1D
Entries 86
Mean −0.01571
Std Dev 1.134

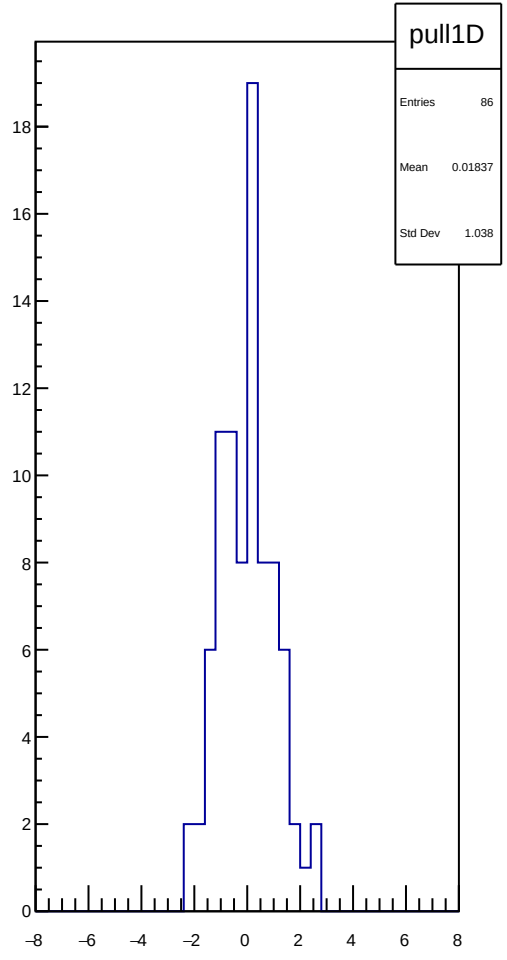

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 85
p0 384 ± 0.3004
500
450
400
350
300

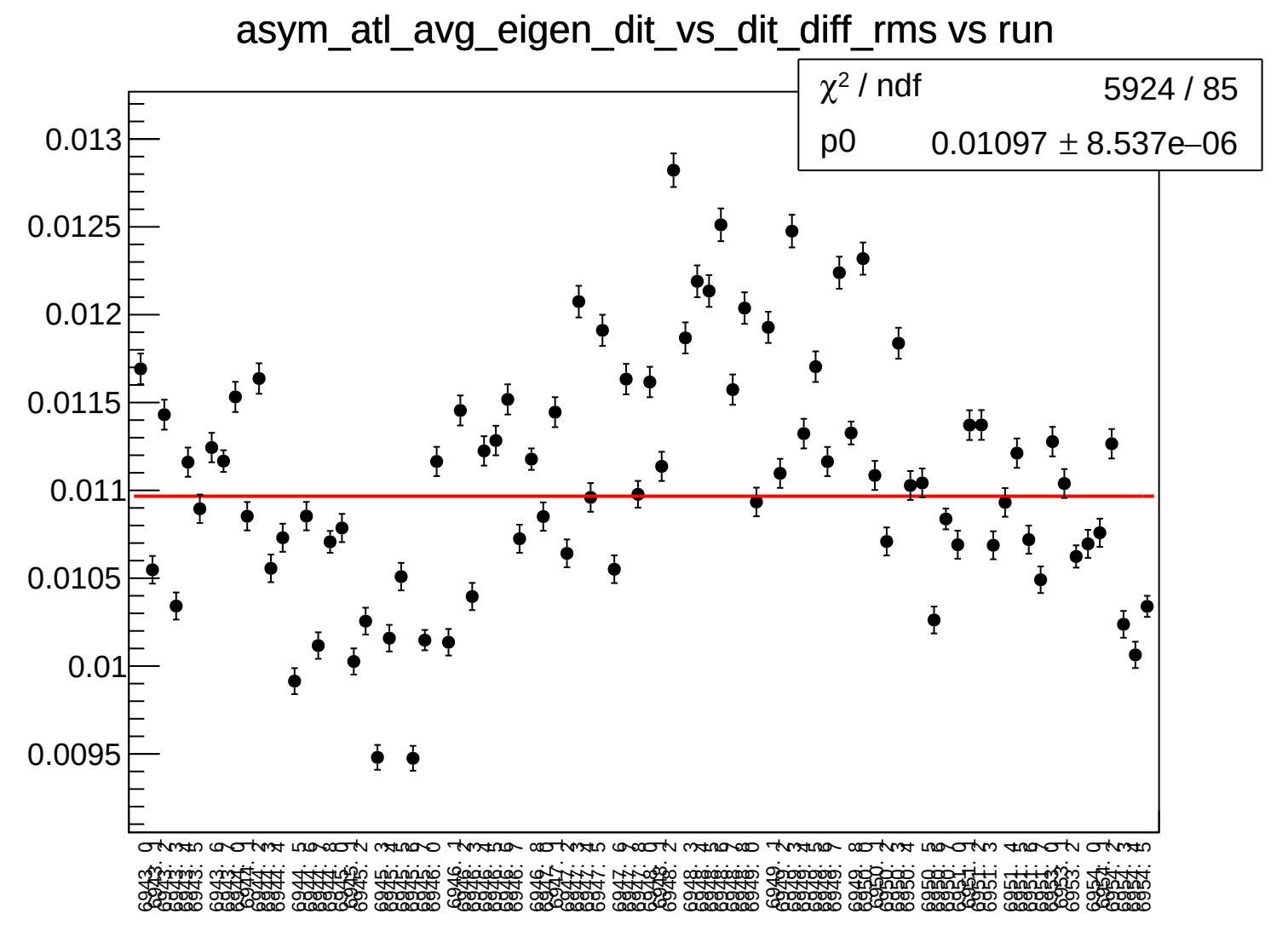

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.7 / 85
p0 0.2229 ± 0.4249
pull
Entries 86
Mean −0.5902
Std Dev 0

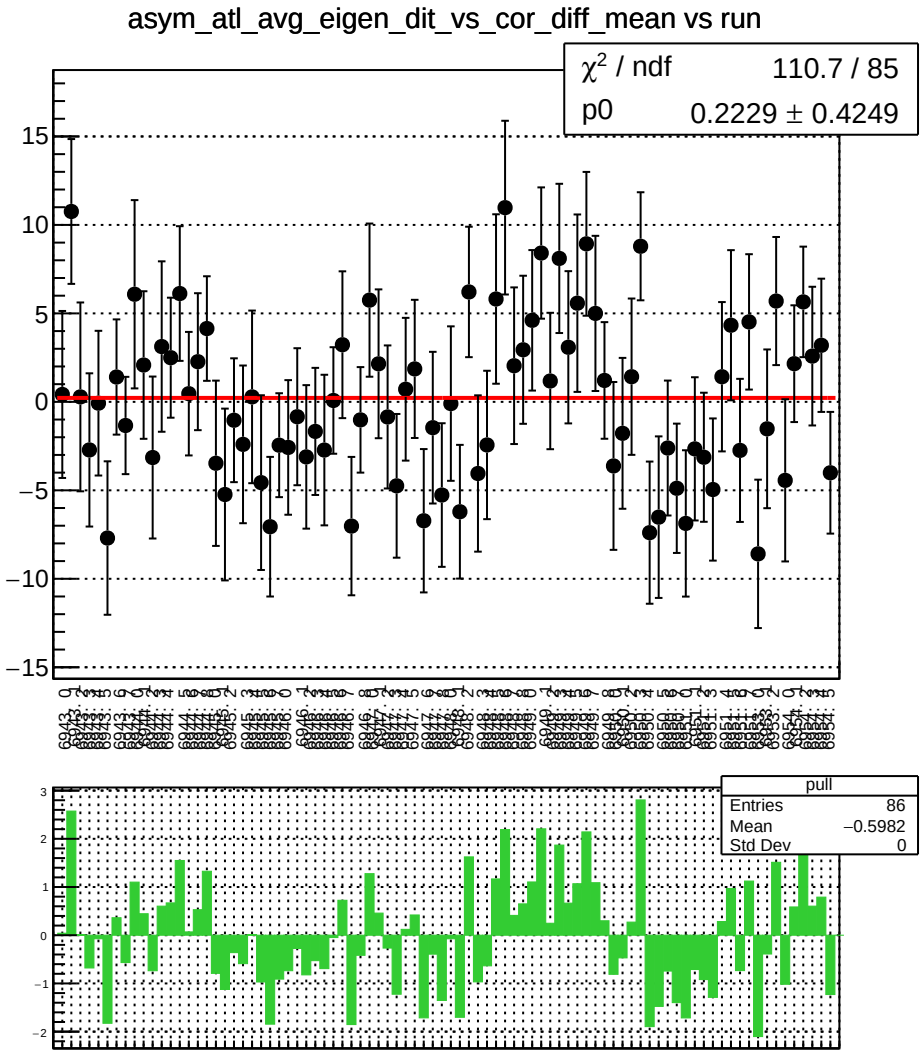

pull1D
Entries 86
Mean −0.01571
Std Dev 1.134

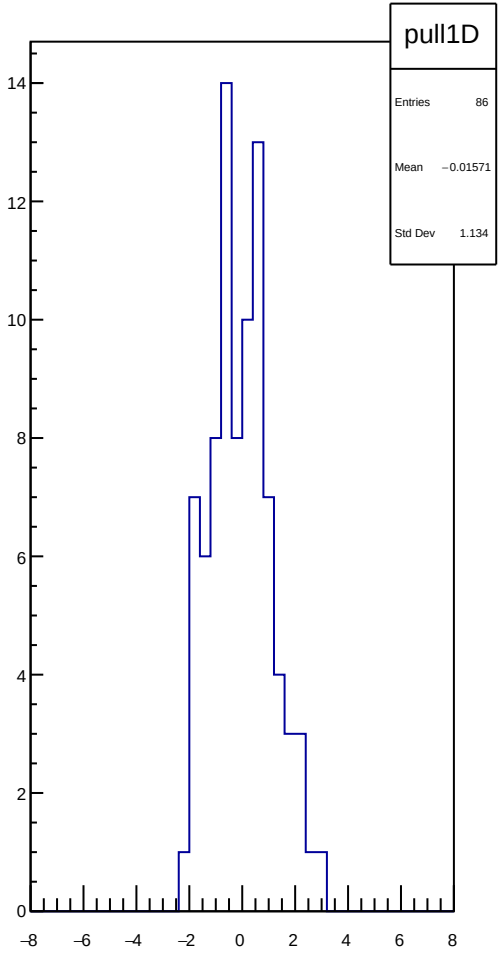

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 85
p0 384 ± 0.3004
500
450
400
350
300

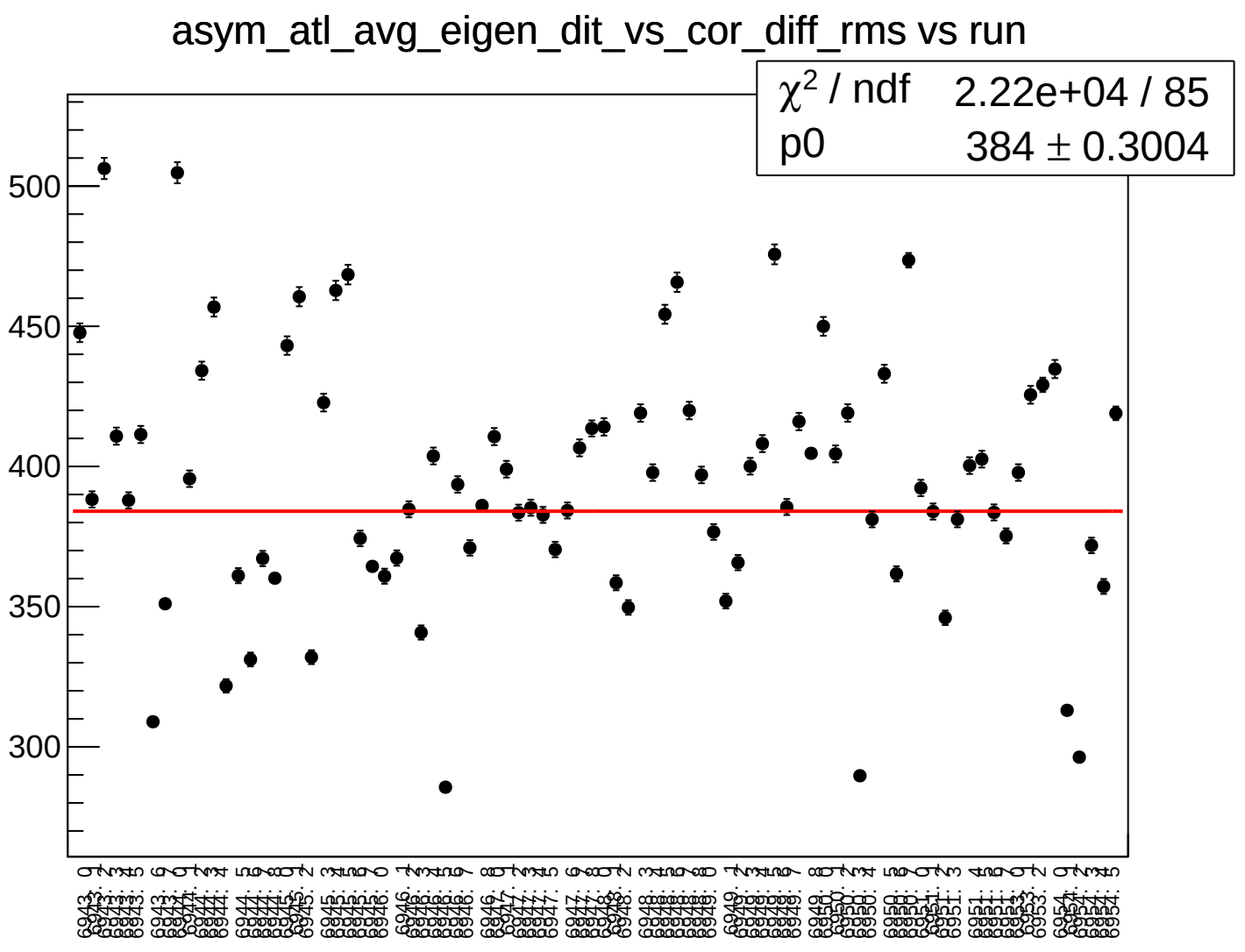

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.62 / 85
p0 5.221e−06 ± 1.207e−05
pull
Entries 86
Mean 192.2
Std Dev 0

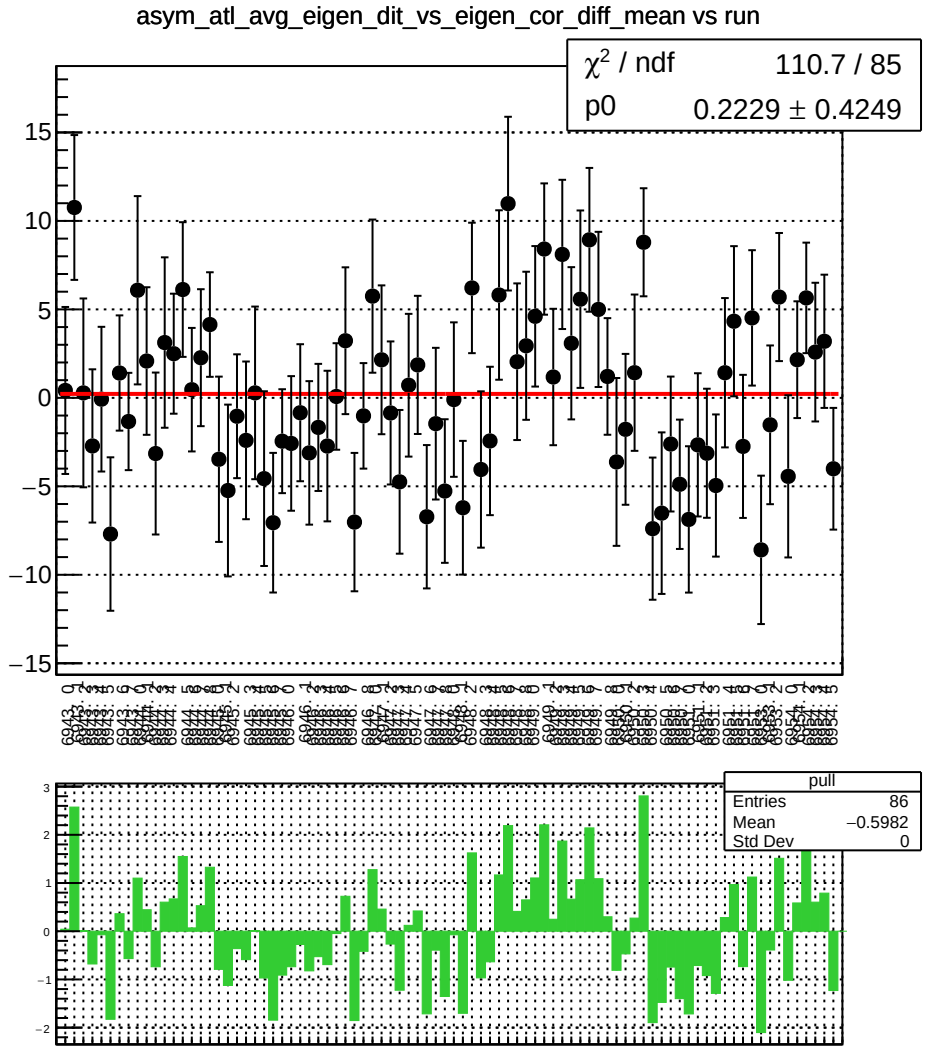

pull1D
Entries 86
Mean 0.01837
Std Dev 1.038

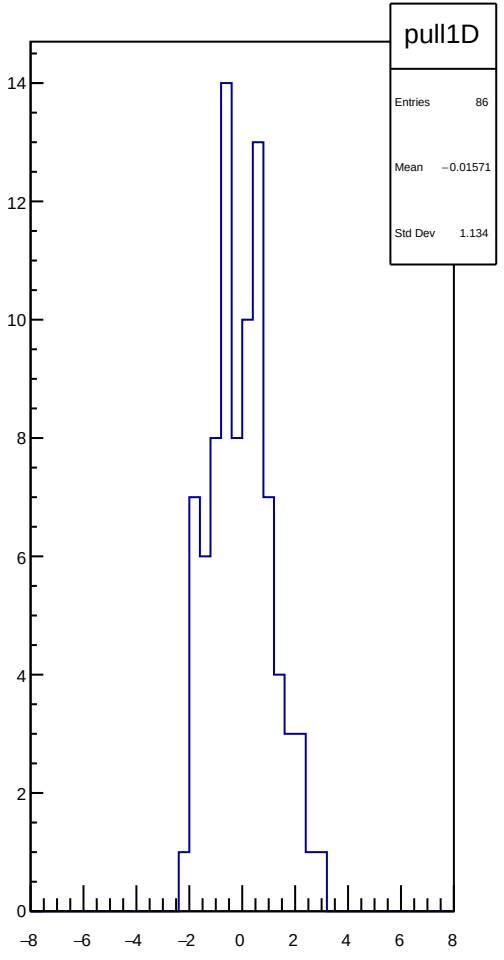

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5924 / 85
p0 0.01097 ± 8.537e–06
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

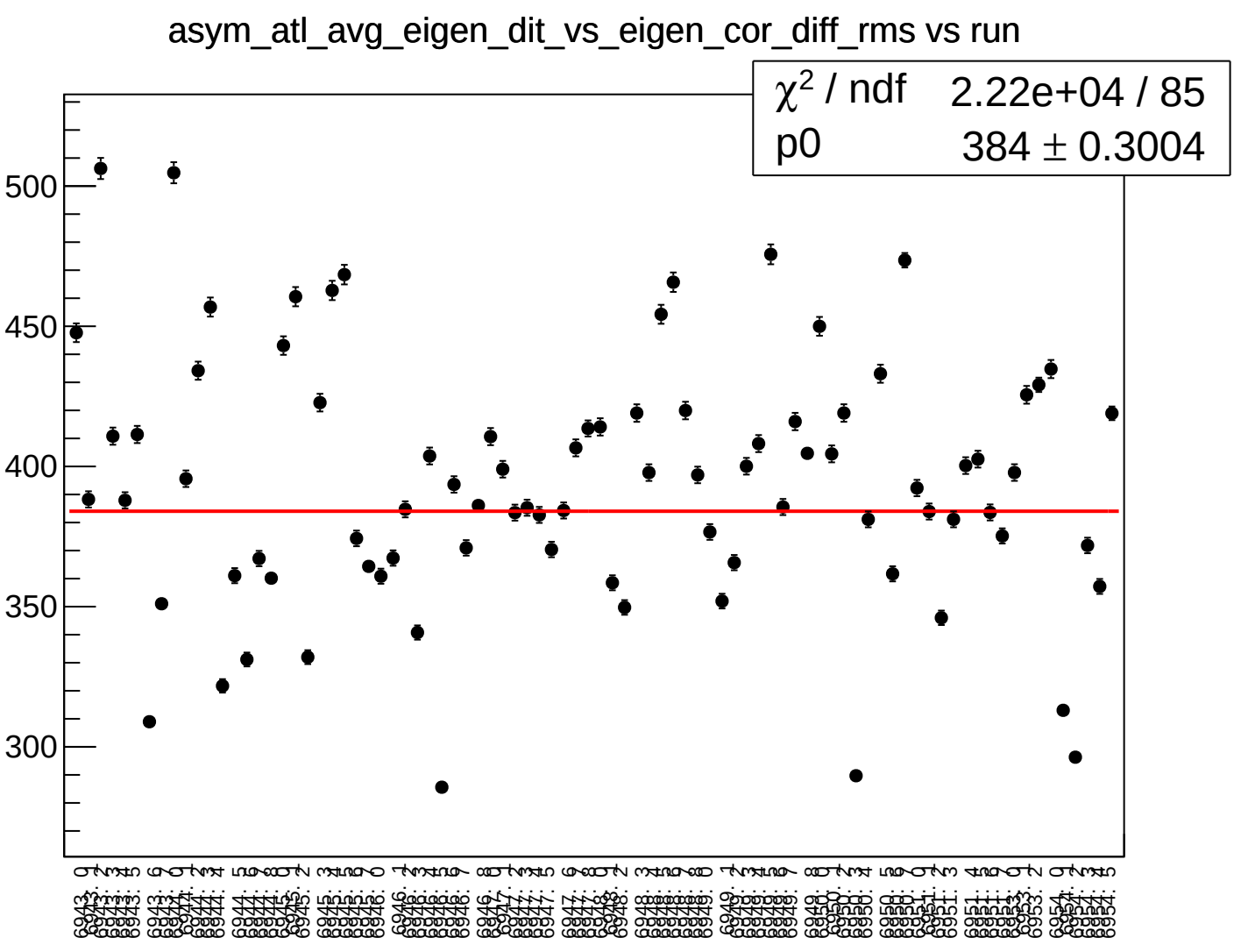

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 110.7 / 85
p0 0.2229 ± 0.4249
pull
Entries 86
Mean −0.5982
Std Dev 0

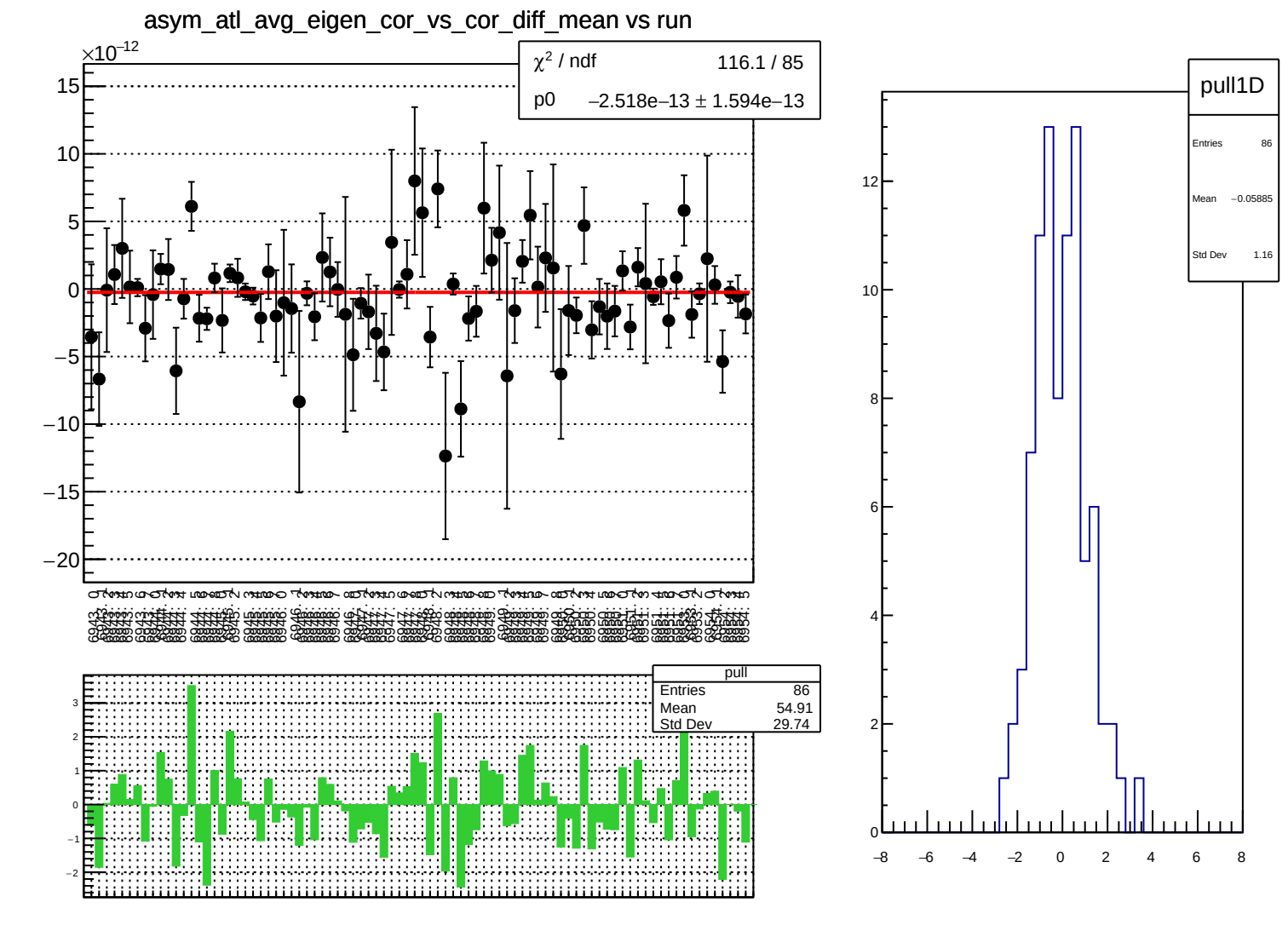

pull1D
Entries 86
Mean −0.01571
Std Dev 1.134

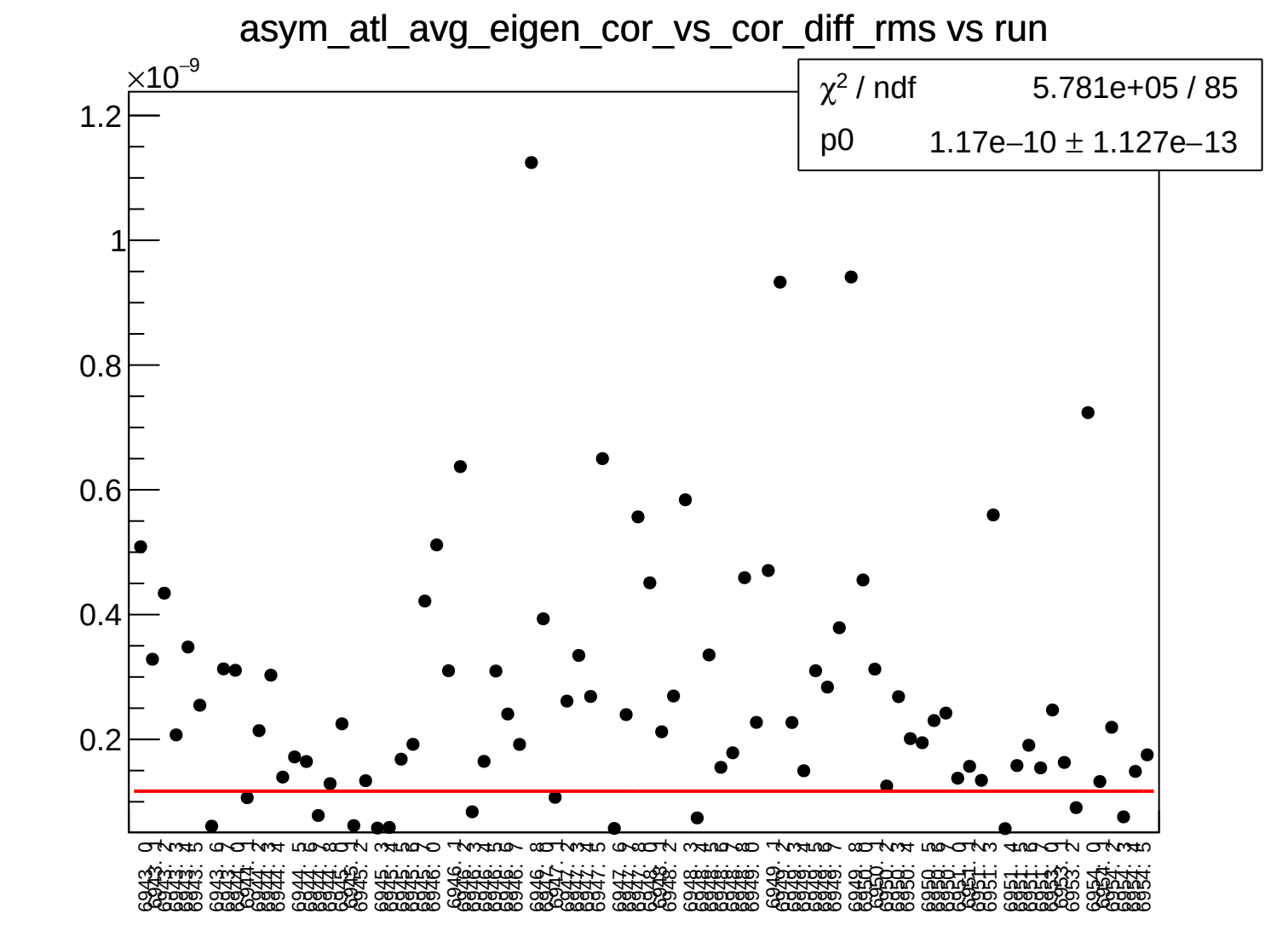

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 85
p0 384 ± 0.3004
500
450
400
350
300

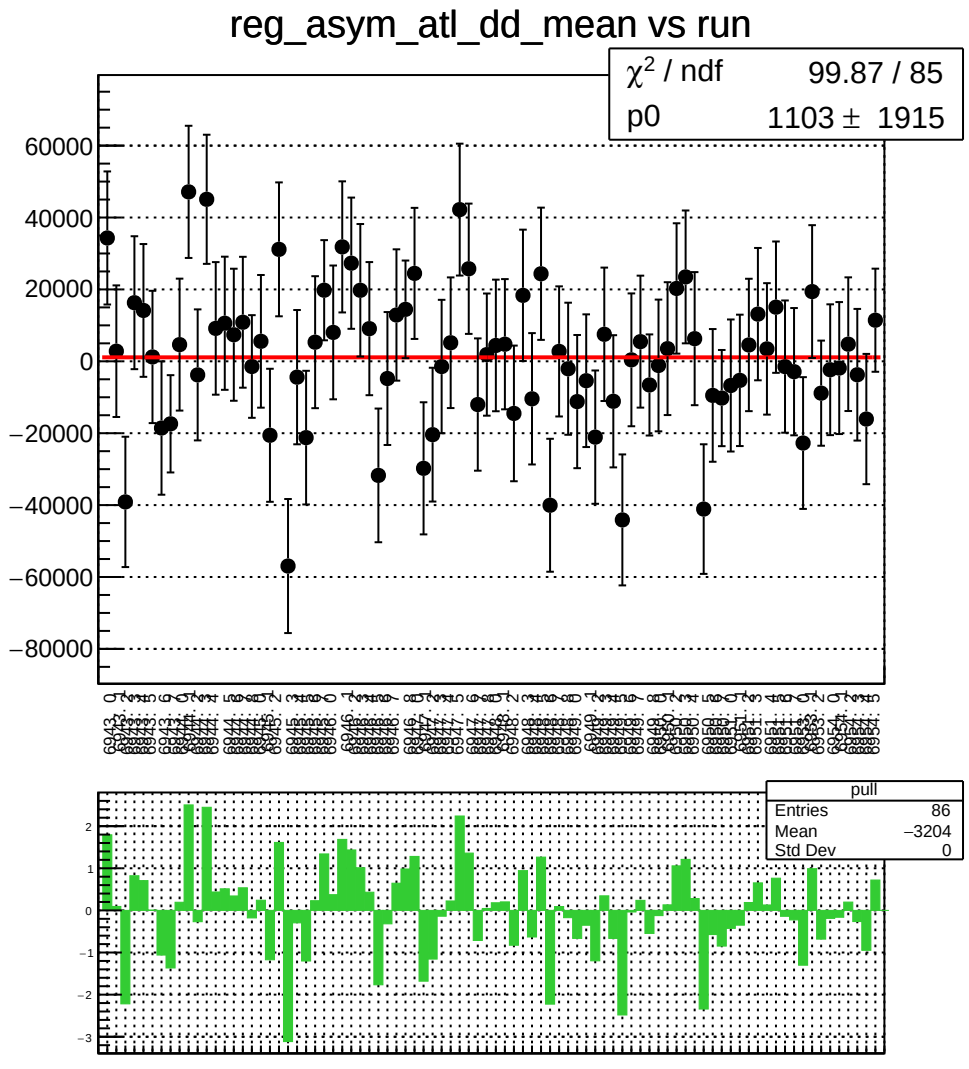

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.7 / 85
p0 0.2229 ± 0.4249
pull
Entries 86
Mean −0.5982
Std Dev 0

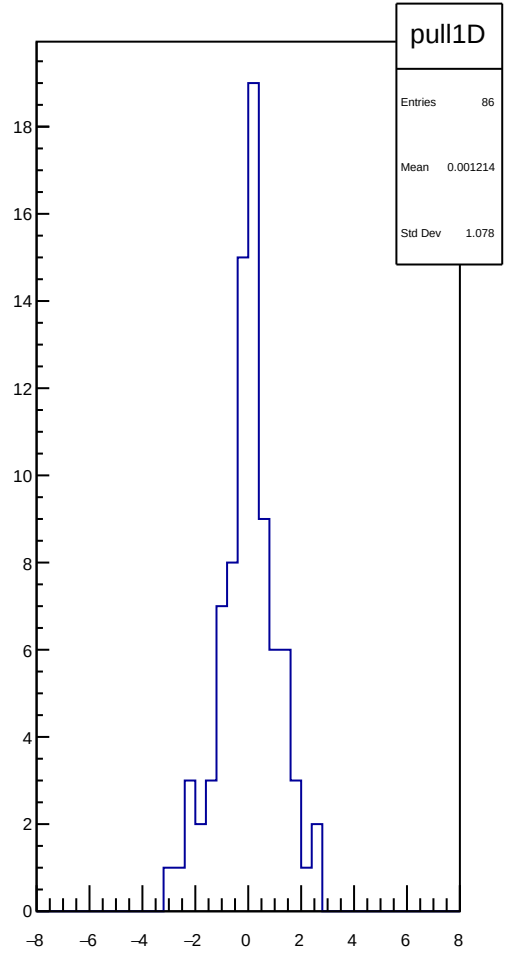

pull1D
Entries 86
Mean −0.01571
Std Dev 1.134

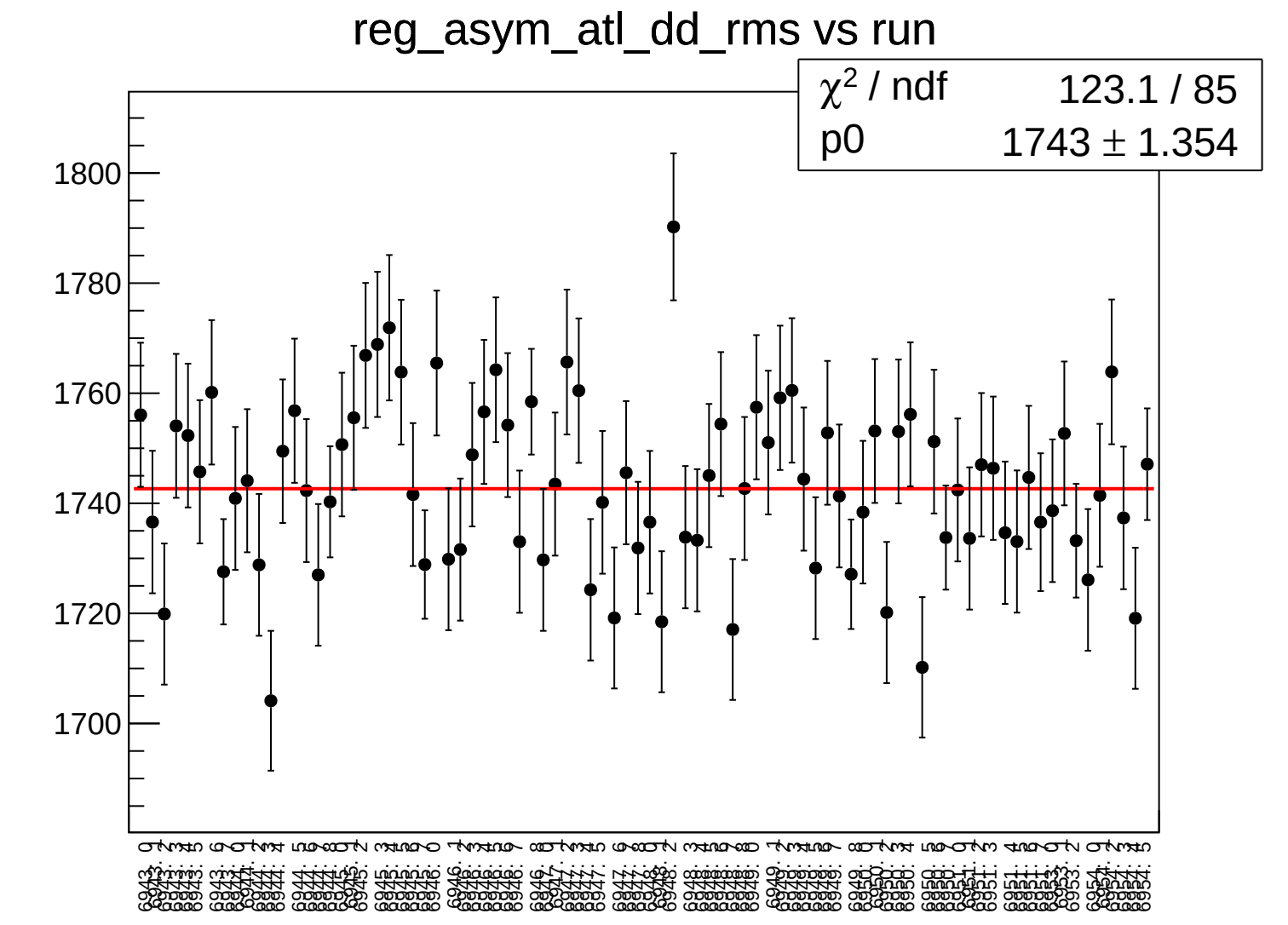

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 85
p0 384 ± 0.3004
500
450
400
350
300

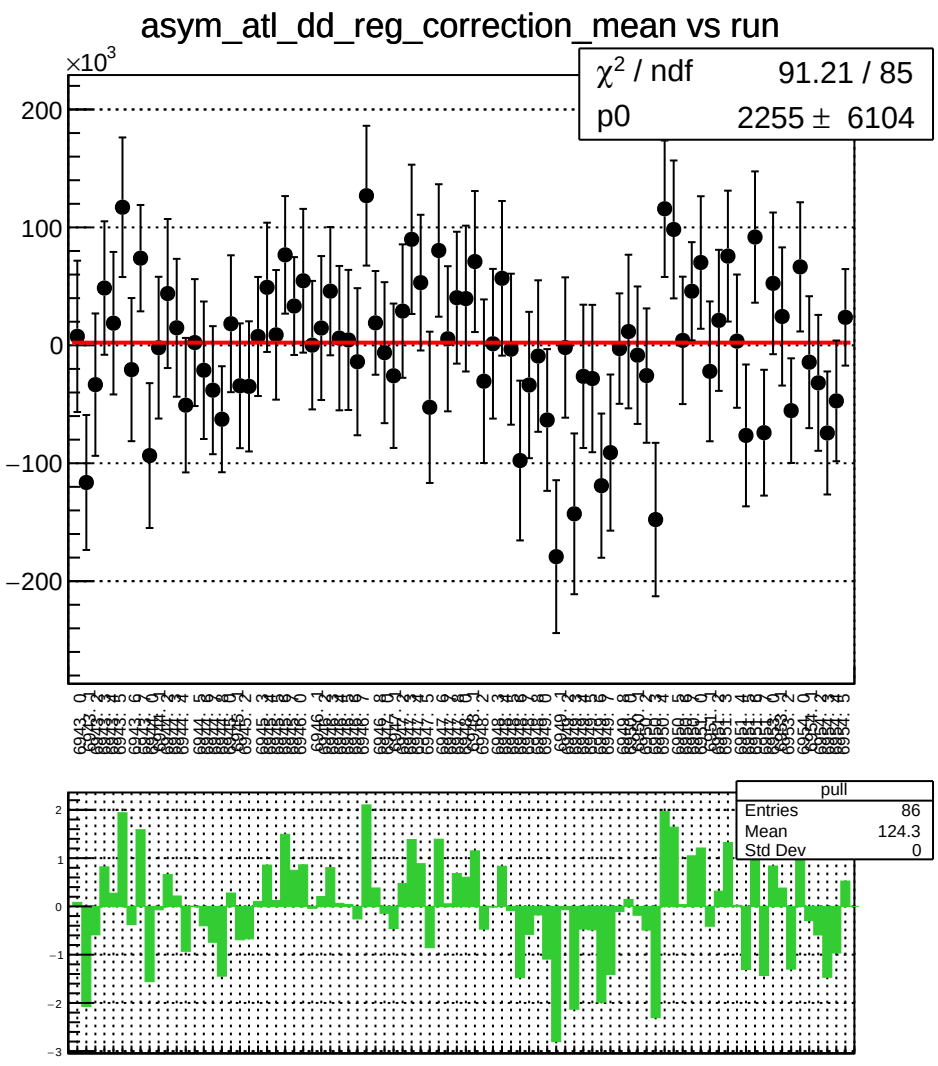

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 116.1 / 85
p0 −2.518e−13 ± 1.594e−13
pull
Entries 86
Mean 54.91
Std Dev 29.74
pull1D
Entries 86
Mean −0.05885
Std Dev 1.16

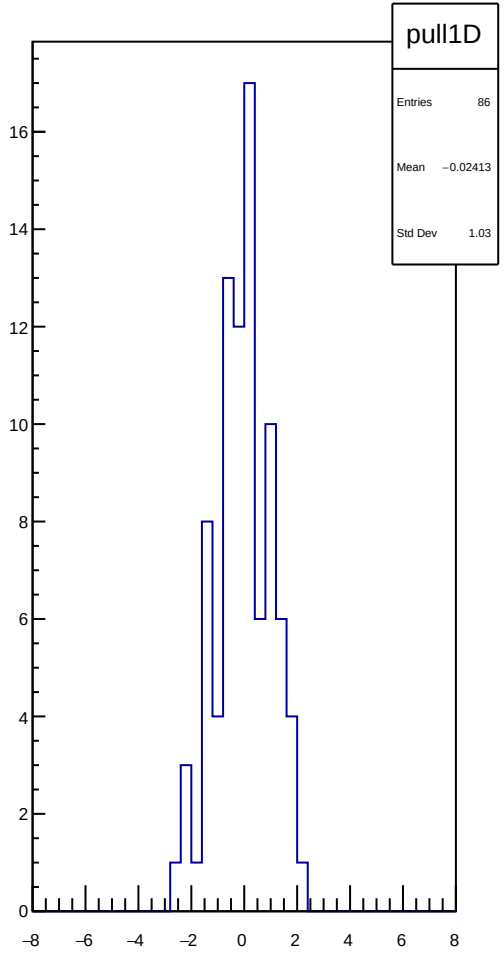

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.781e+05 / 85
p0 1.17e−10 ± 1.127e−13
1.2
1
0.8
0.6
0.4
0.2

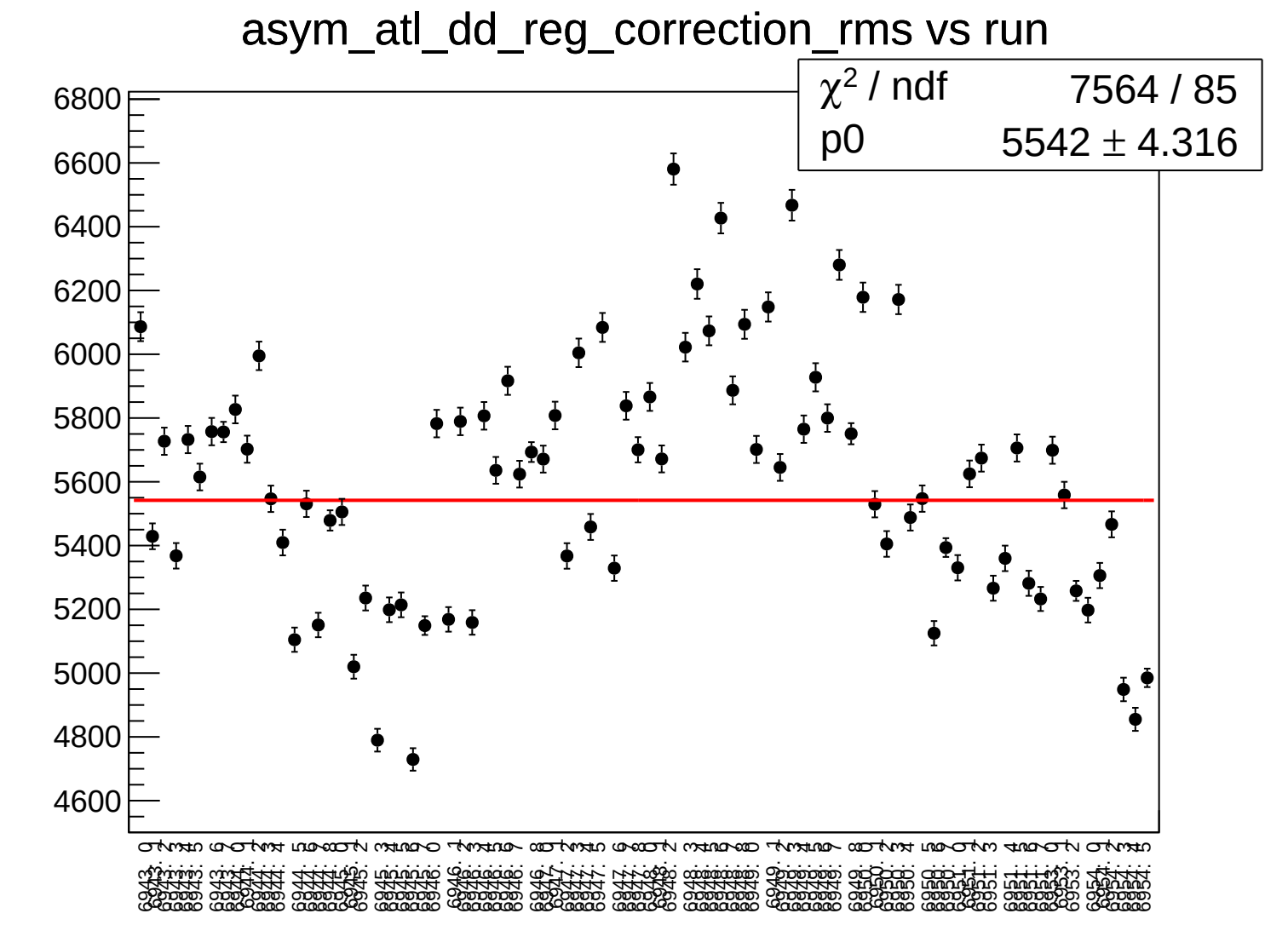

reg_asym_atl_dd_mean vs run
χ² / ndf 99.87 / 85
p0 1103 ± 1915
pull
Entries 86
Mean −3204
Std Dev 0

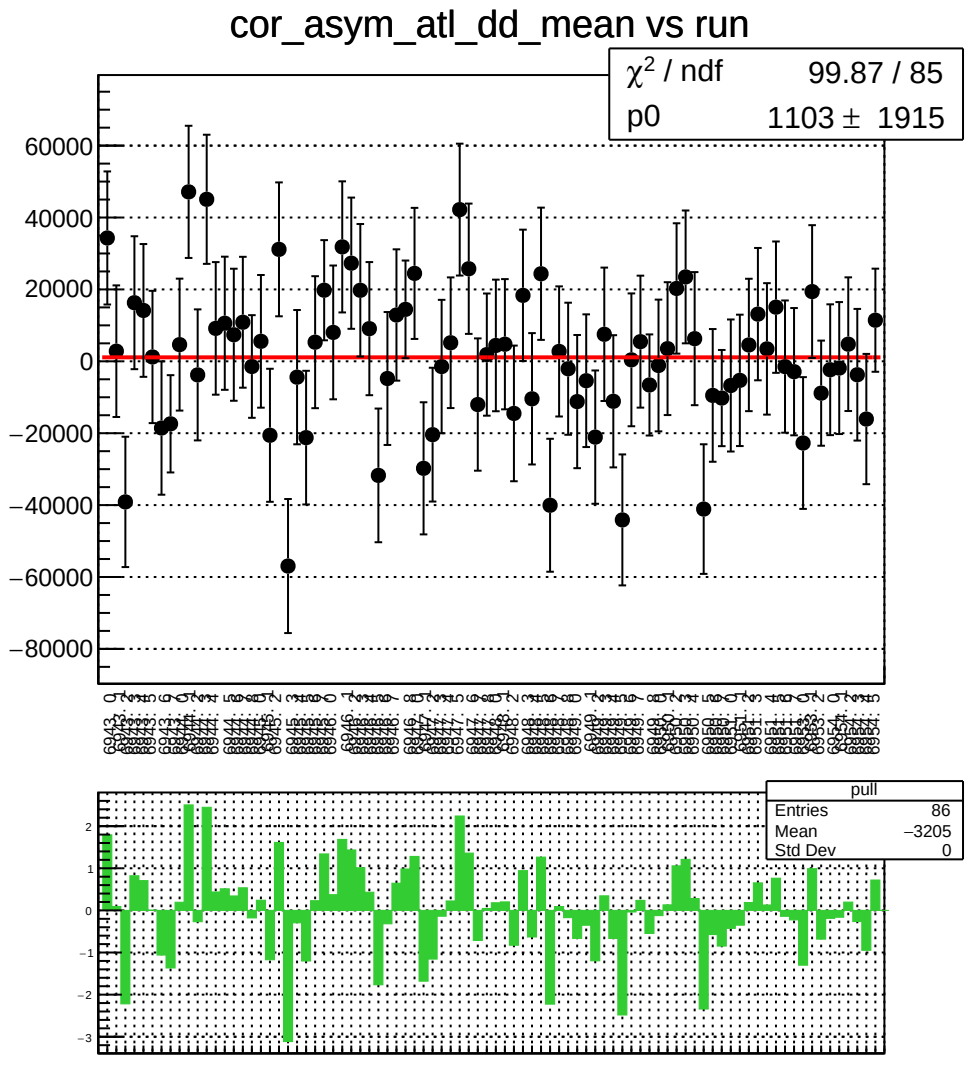

pull1D
Entries 86
Mean 0.001214
Std Dev 1.078

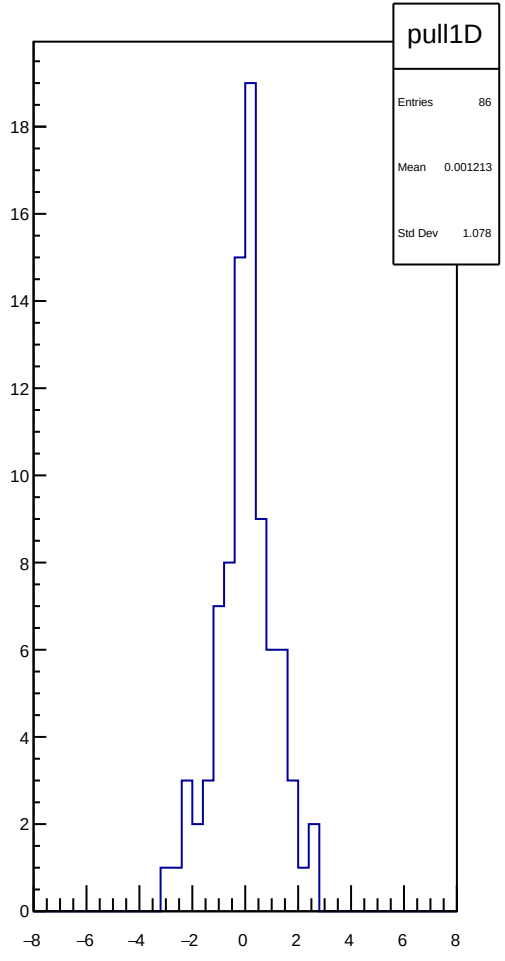

reg_asym_atl_dd_rms vs run
χ^2 / ndf 123.1 / 85
p0 1743 ± 1.354
1800
1780
1760
1740
1720
1700

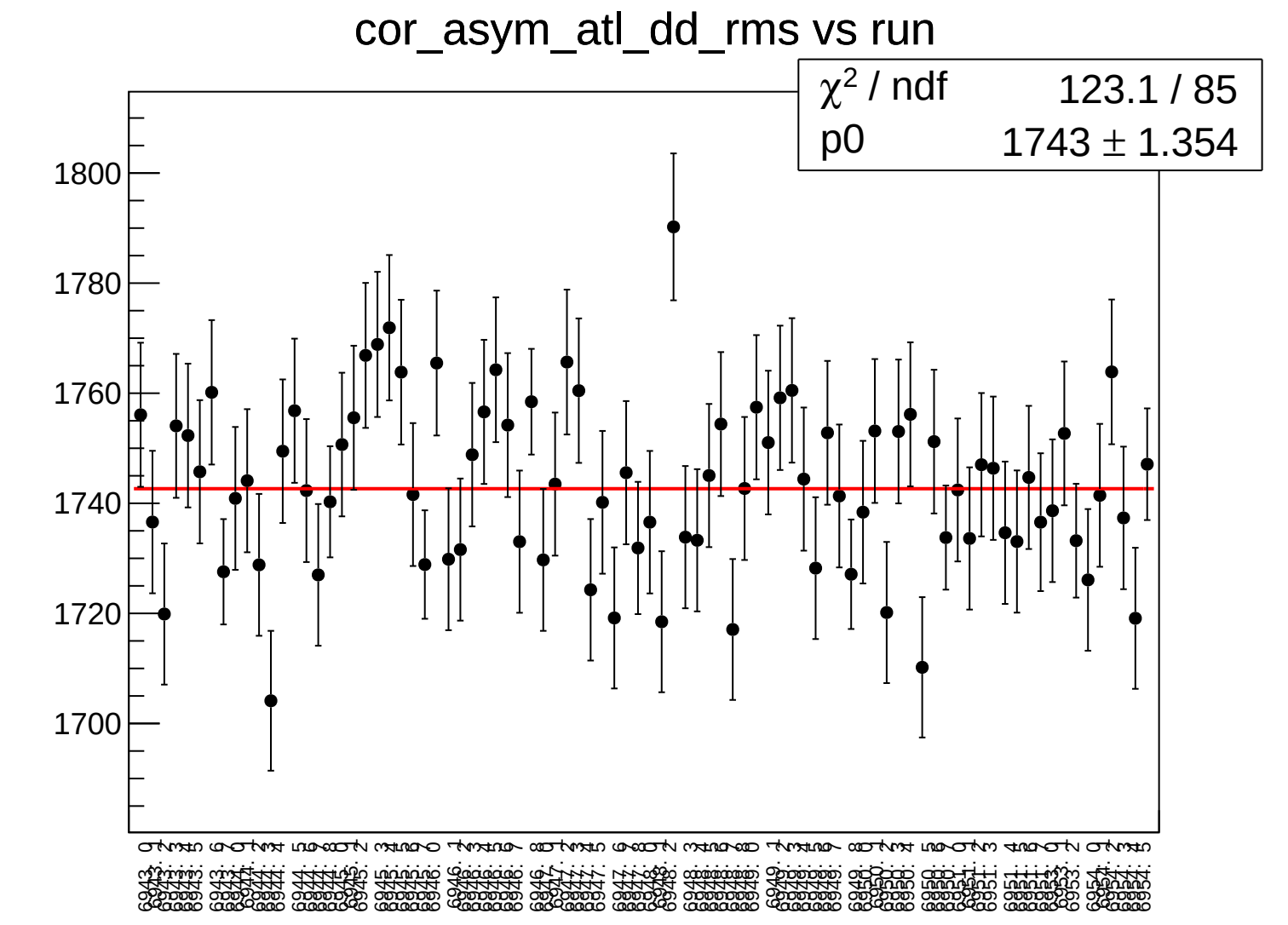

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 91.21 / 85
p0 2255 ± 6104
200
100
0
−100
−200
pull
Entries 86
Mean 124.3
Std Dev 0
2
1
0
−1
−2
−3

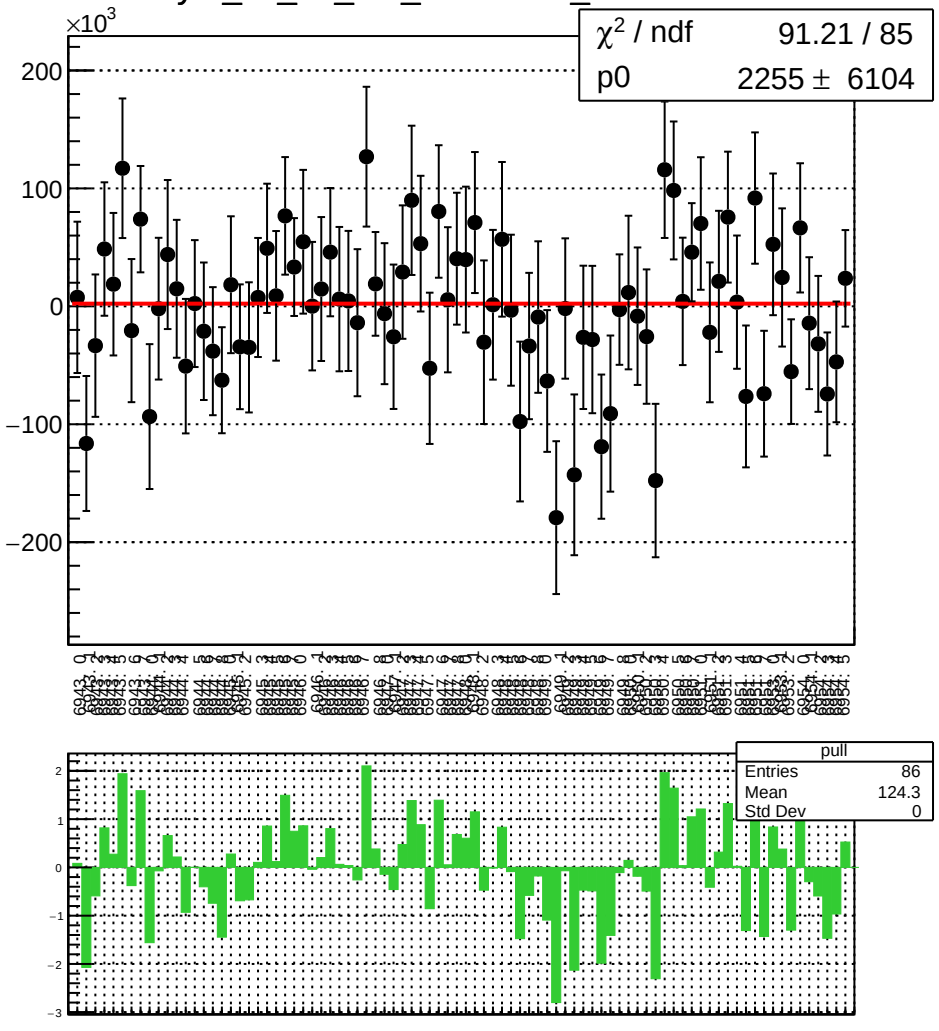

pull1D
Entries 86
Mean −0.02413
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

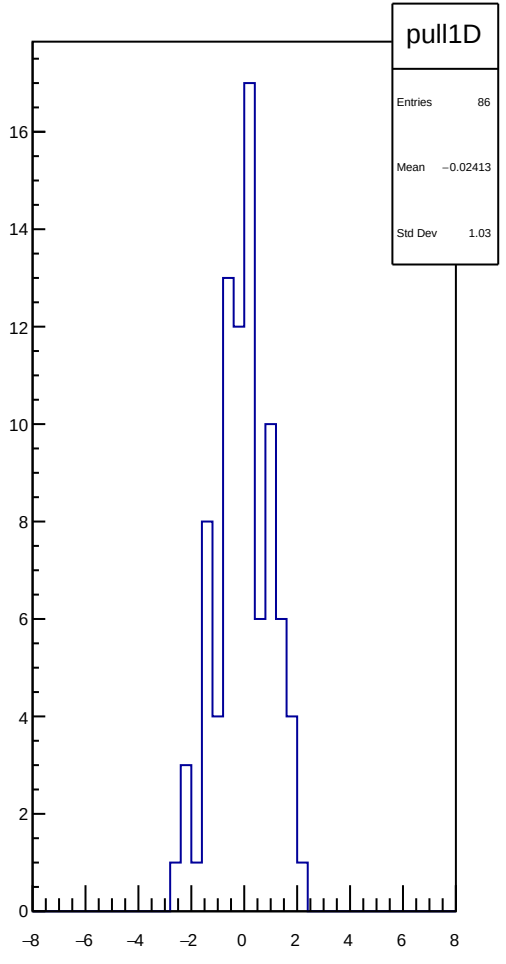

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 7564 / 85
p0 5542 ± 4.316
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

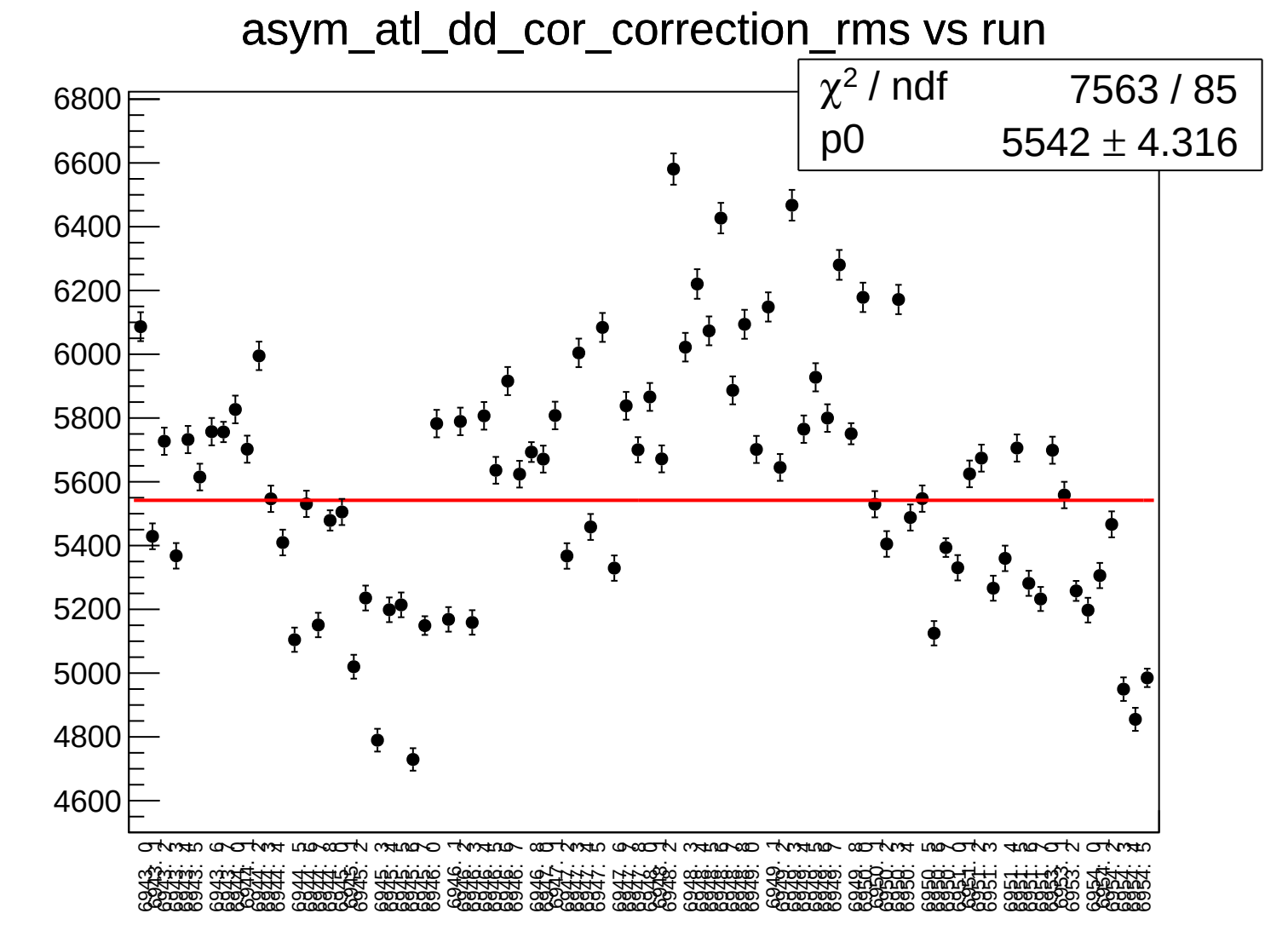

cor_asym_atl_dd_mean vs run
χ² / ndf 99.87 / 85
p0 1103 ± 1915
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −3205
Std Dev 0
2
1
0
−1
−2
−3

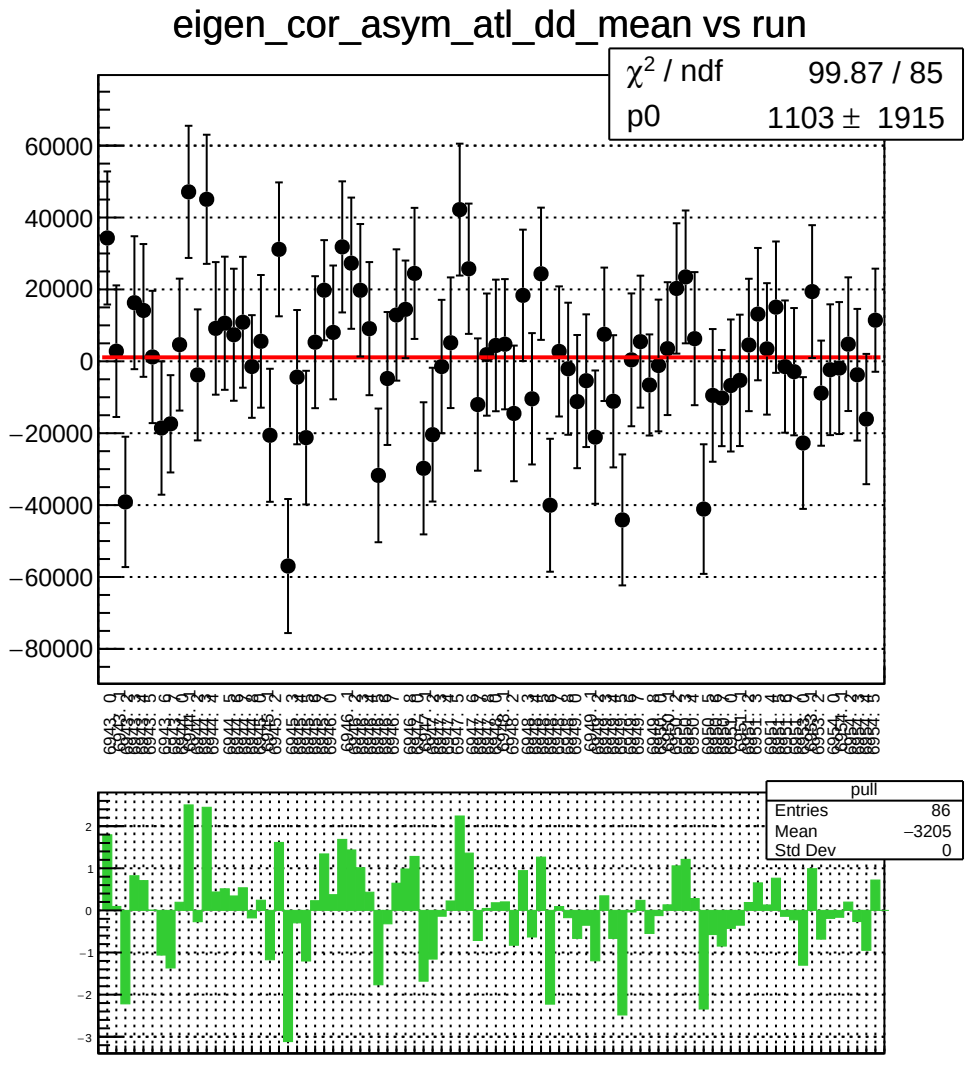

pull1D
Entries 86
Mean 0.001213
Std Dev 1.078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

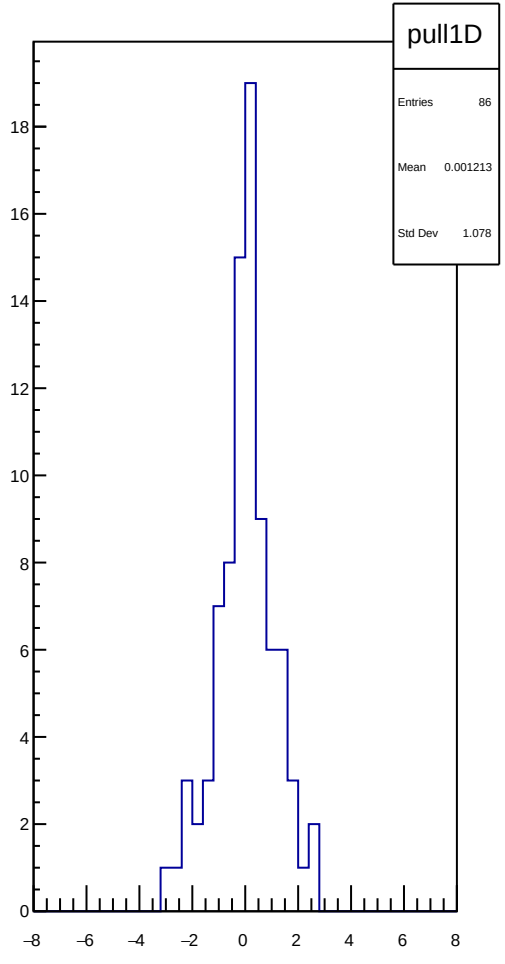

cor_asym_atl_dd_rms vs run
χ^2 / ndf 123.1 / 85
p0 1743 ± 1.354
1800
1780
1760
1740
1720
1700

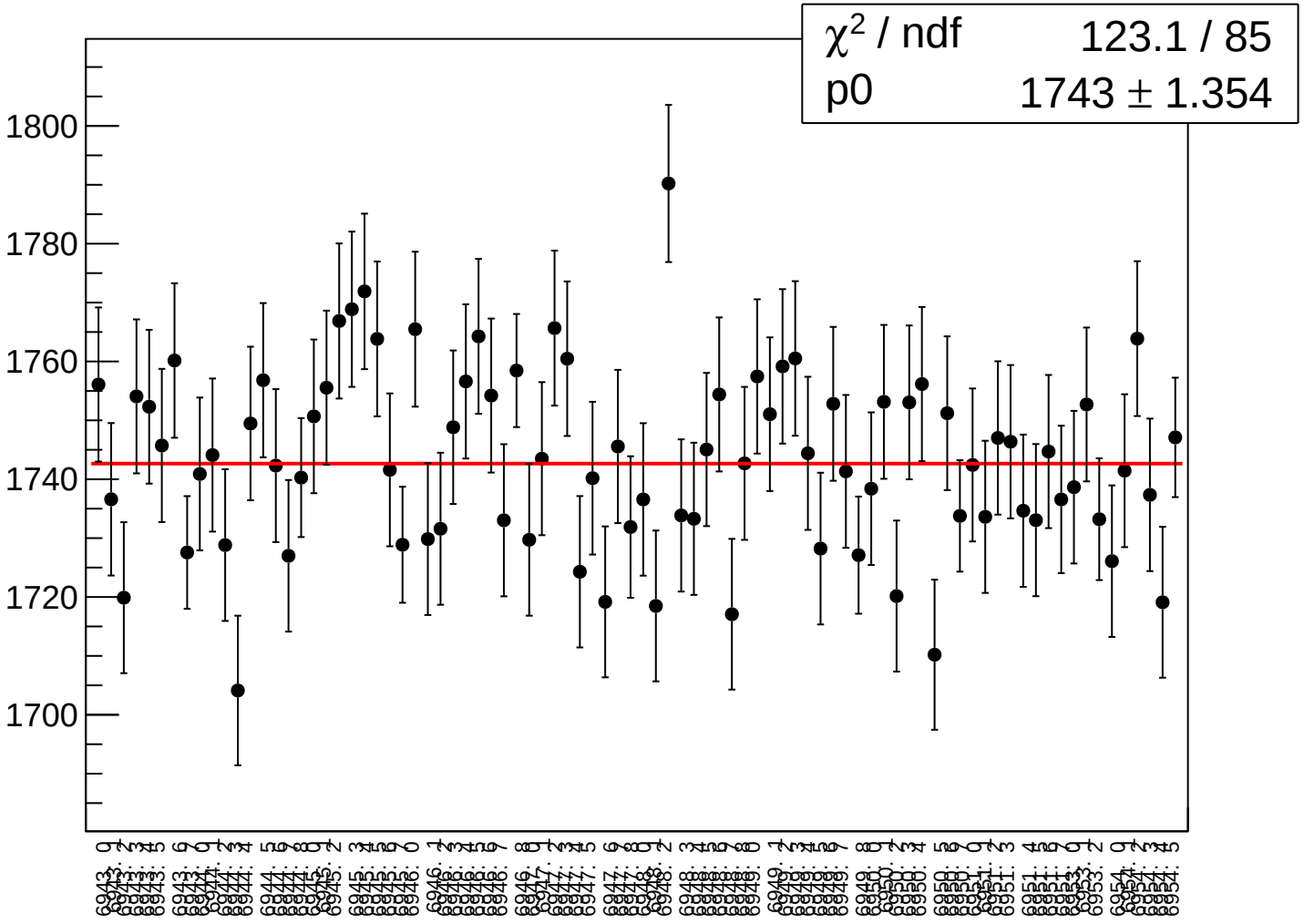

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.21 / 85
p0 2255 ± 6104
200
100
0
−100
−200
pull
Entries 86
Mean 124.3
Std Dev 0
2
1
0
−1
−2
−3

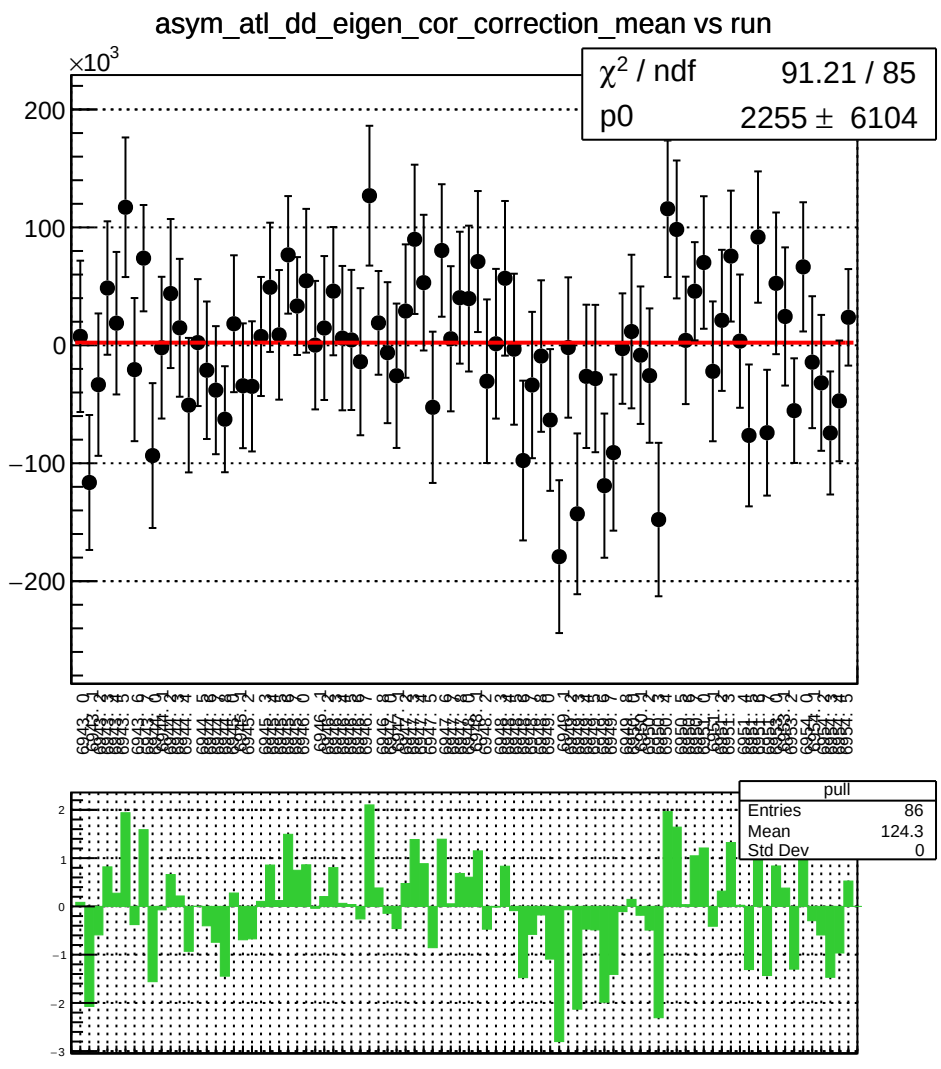

pull1D
Entries 86
Mean −0.02413
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

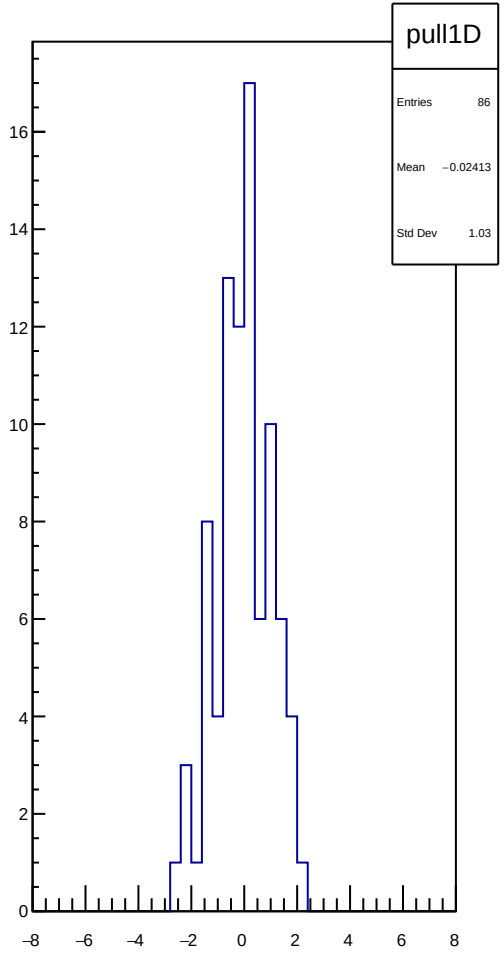

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 7563 / 85
p0 5542 ± 4.316
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

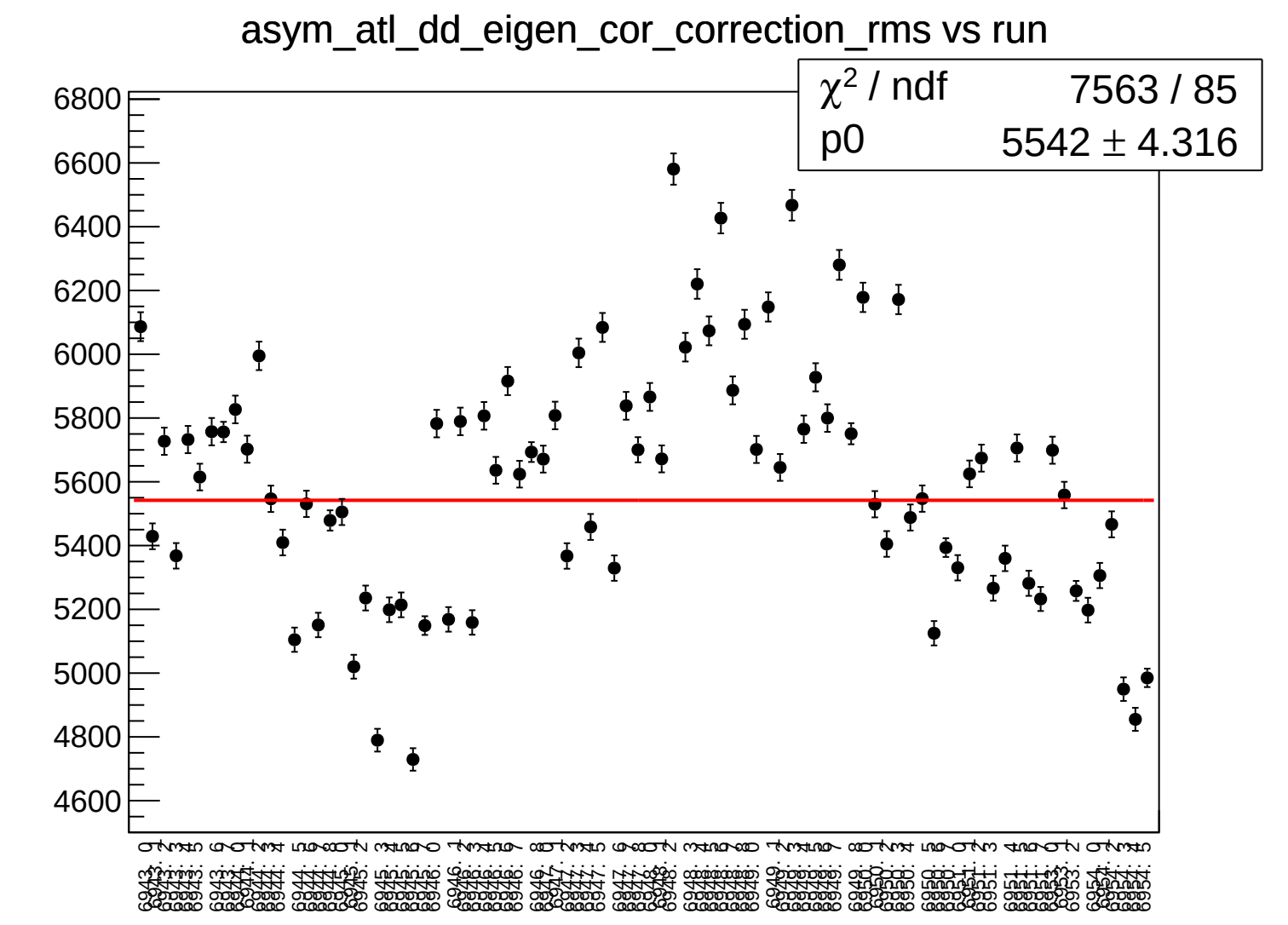

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 99.87 / 85
p0 1103 ± 1915
pull
Entries 86
Mean −3205
Std Dev 0

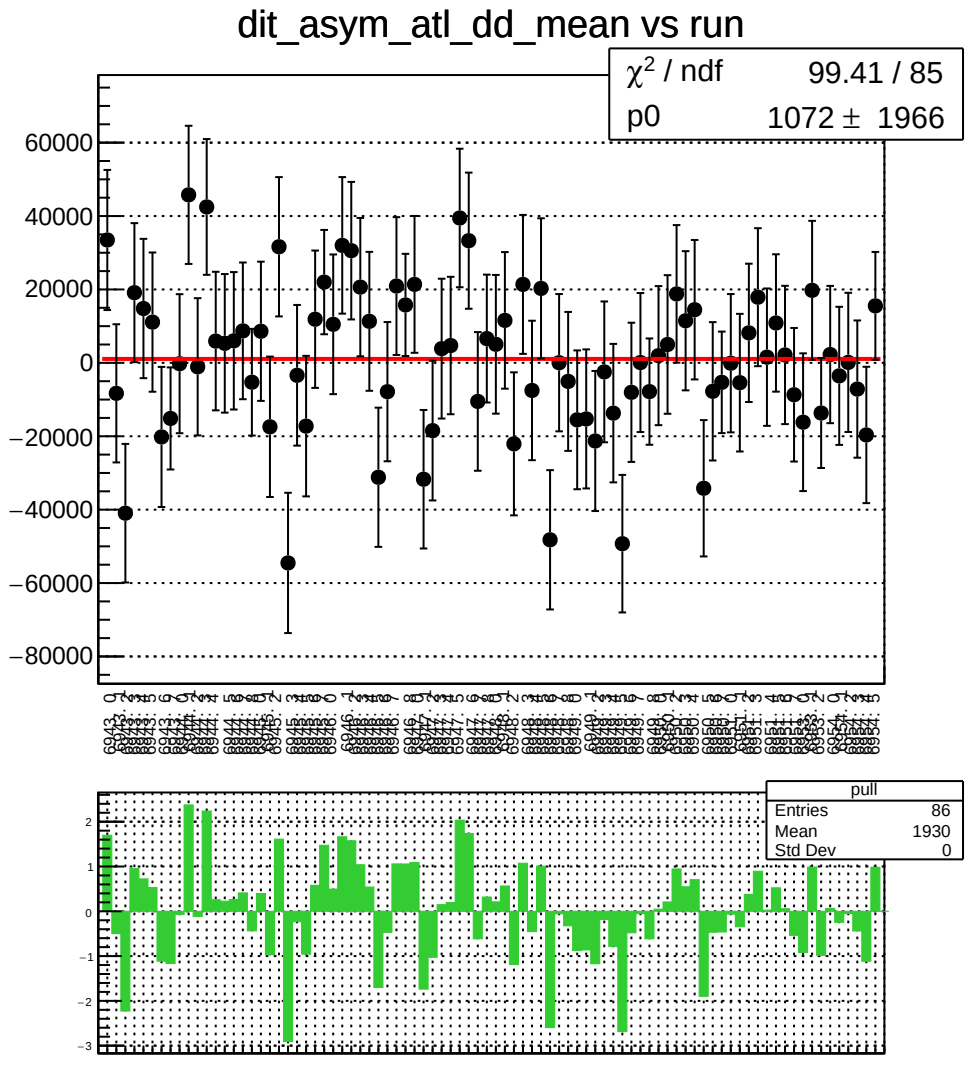

pull1D
Entries 86
Mean 0.001213
Std Dev 1.078

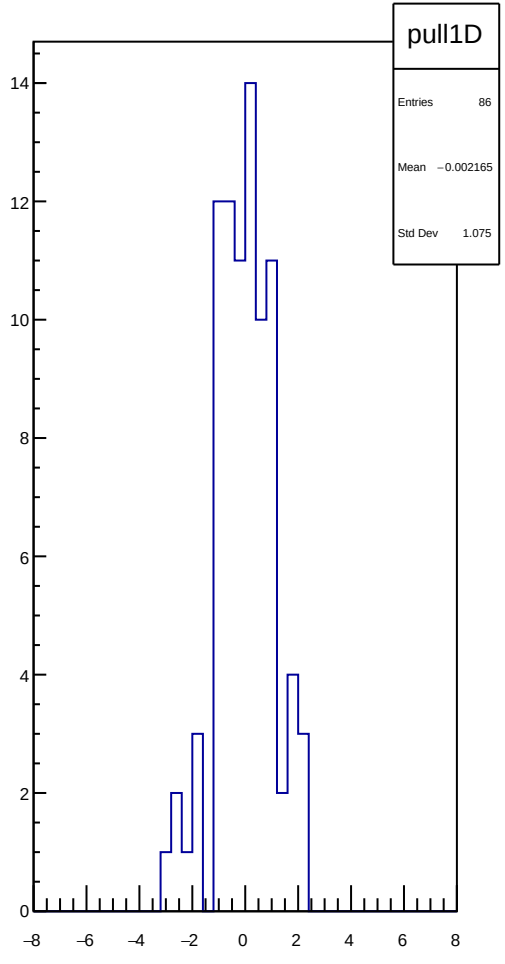

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 123.1 / 85
p0 1743 ± 1.354
1800
1780
1760
1740
1720
1700

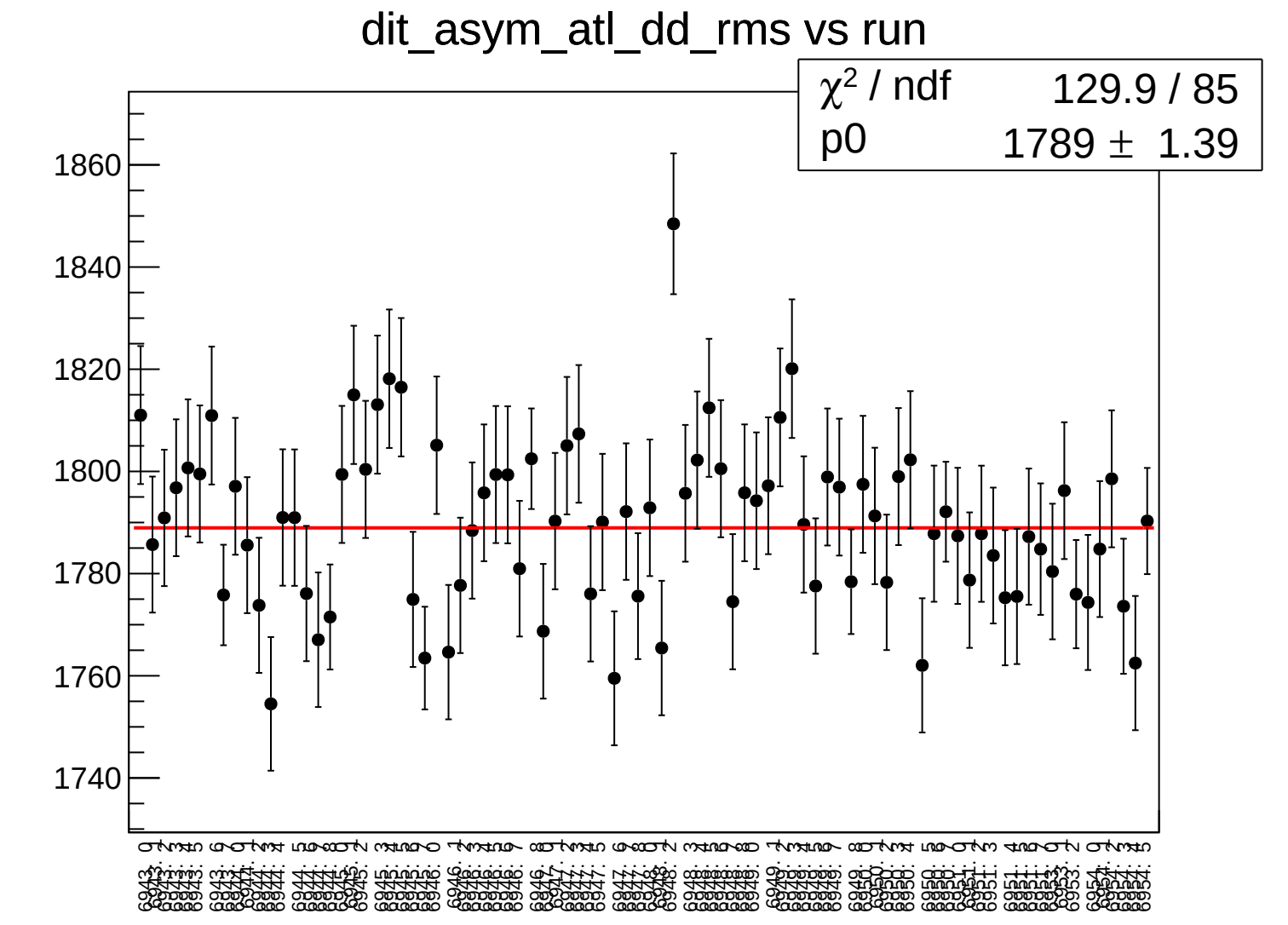

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.21 / 85
p0 2255 ± 6104
200
100
0
−100
−200
pull
Entries 86
Mean 124.3
Std Dev 0
2
1
0
−1
−2
−3

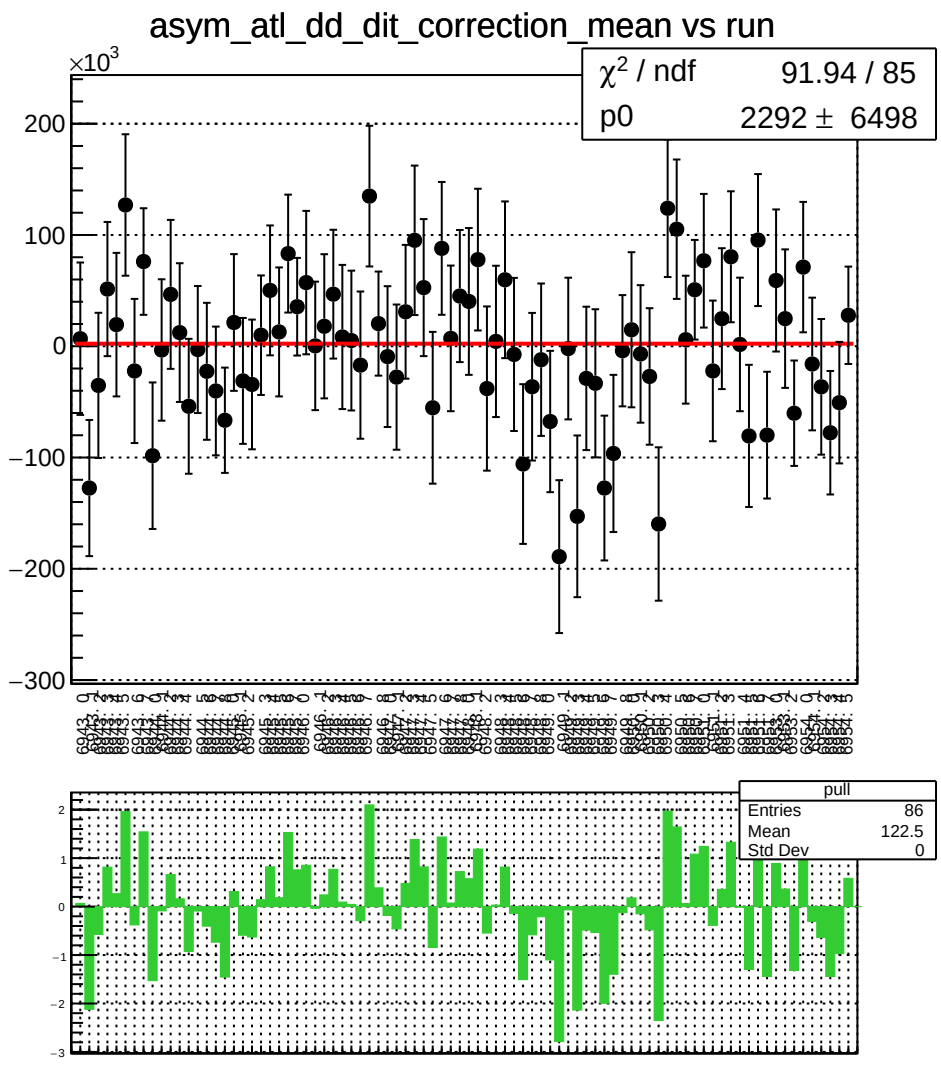

pull1D
Entries 86
Mean −0.02413
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

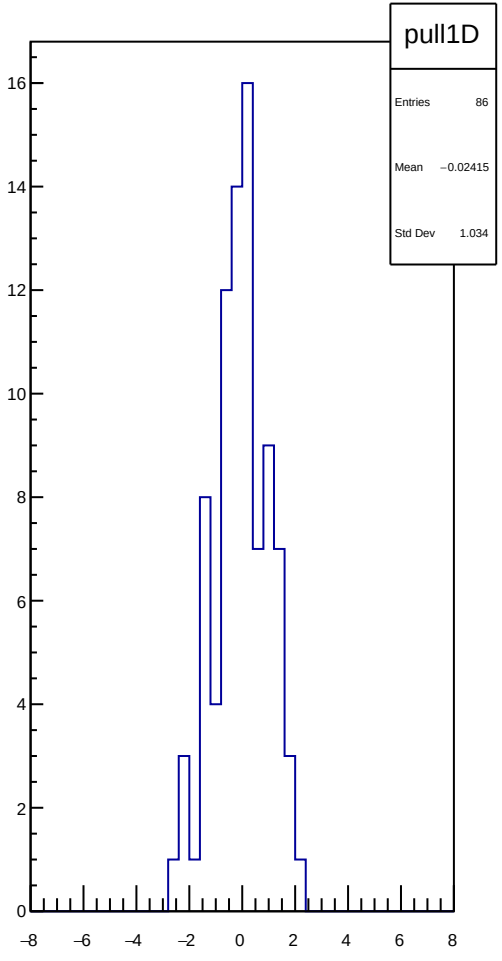

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 7563 / 85
p0 5542 ± 4.316
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

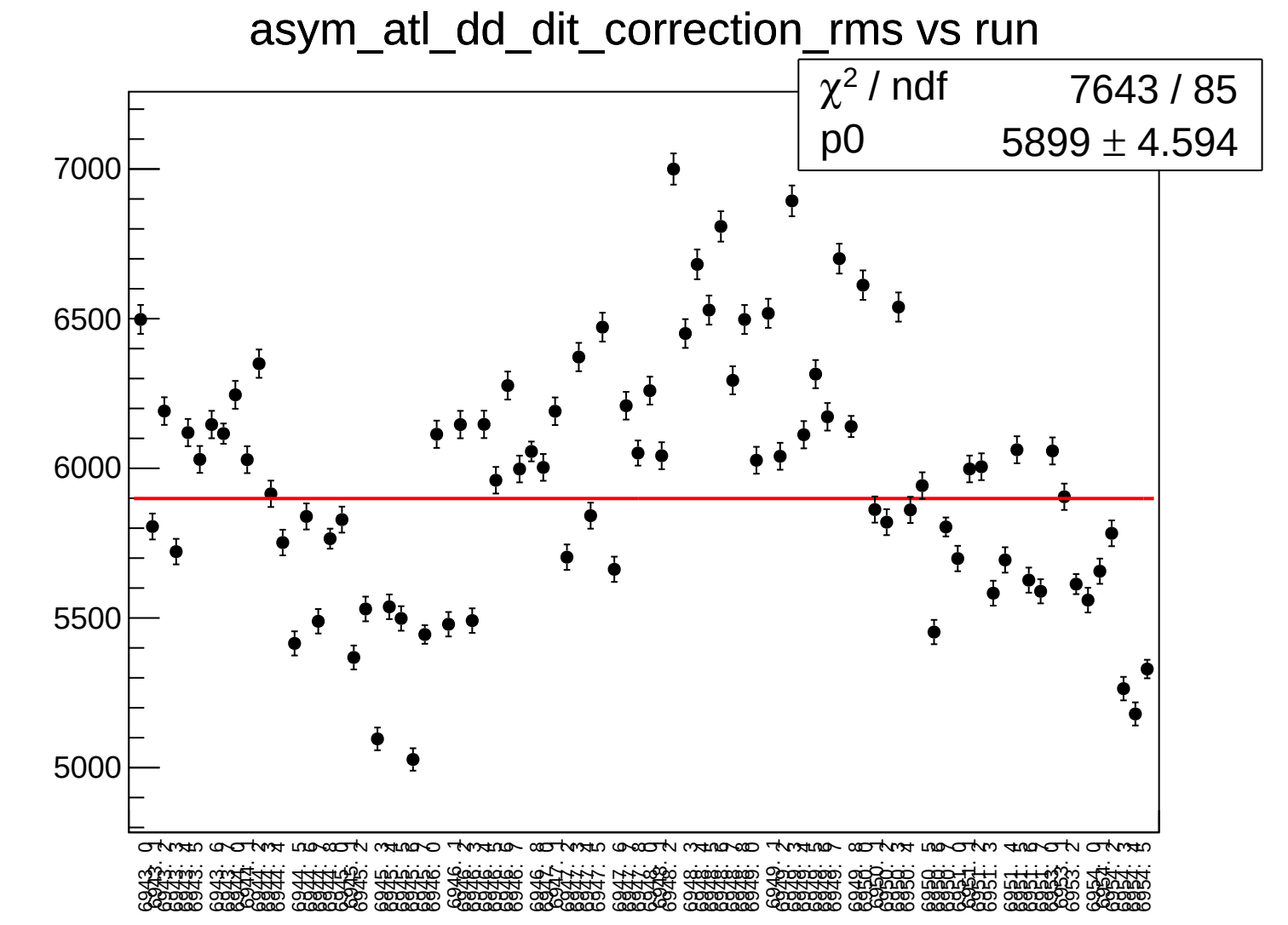

dit_asym_atl_dd_mean vs run
χ² / ndf 99.41 / 85
p0 1072 ± 1966
pull
Entries 86
Mean 1930
Std Dev 0

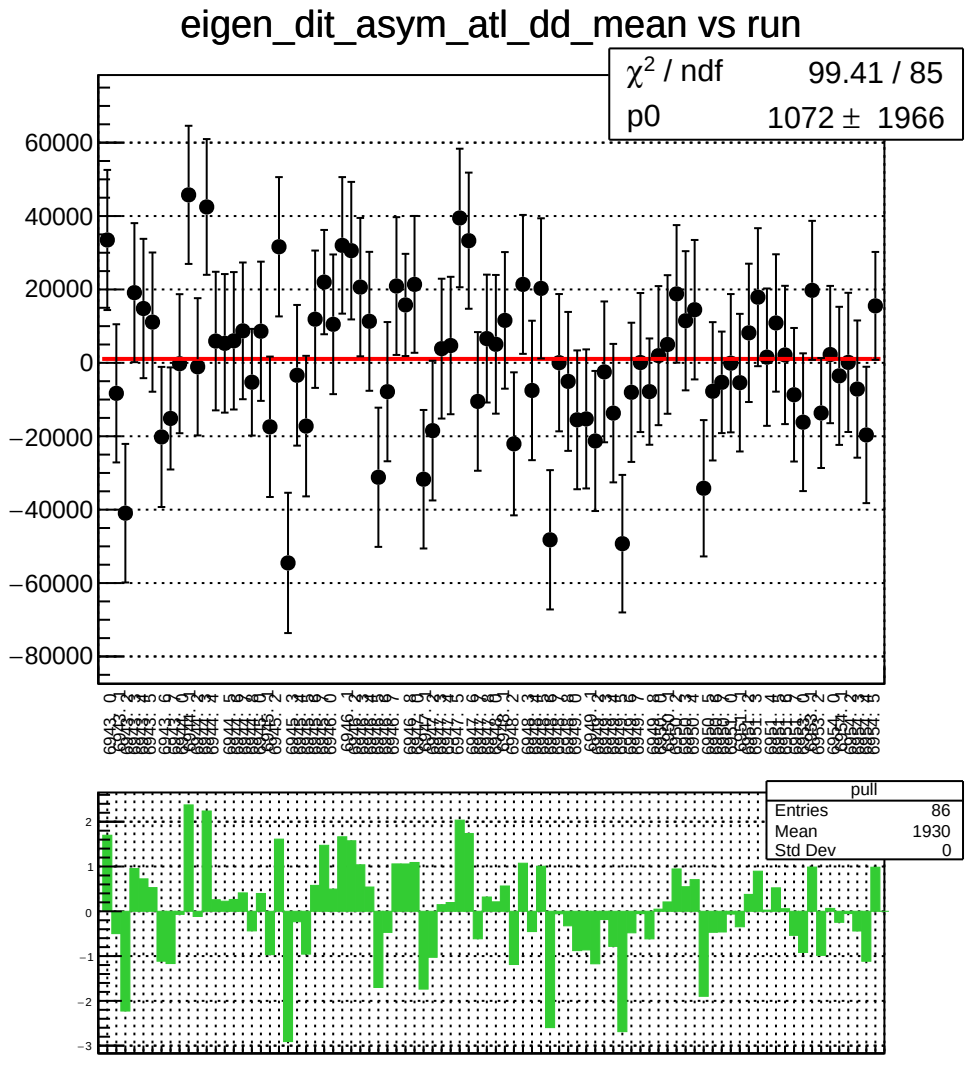

pull1D
Entries 86
Mean −0.002165
Std Dev 1.075

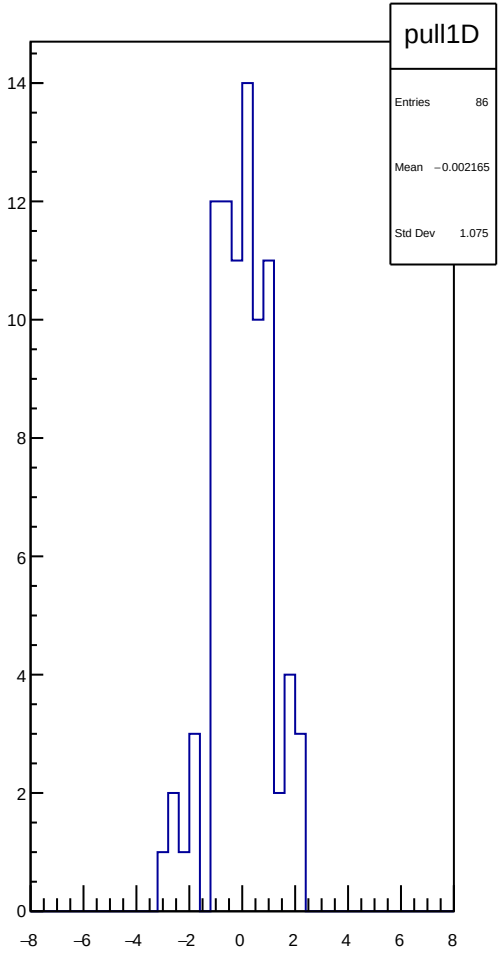

dit_asym_atl_dd_rms vs run
χ^2 / ndf 129.9 / 85
p0 1789 ± 1.39
1860
1840
1820
1800
1780
1760
1740

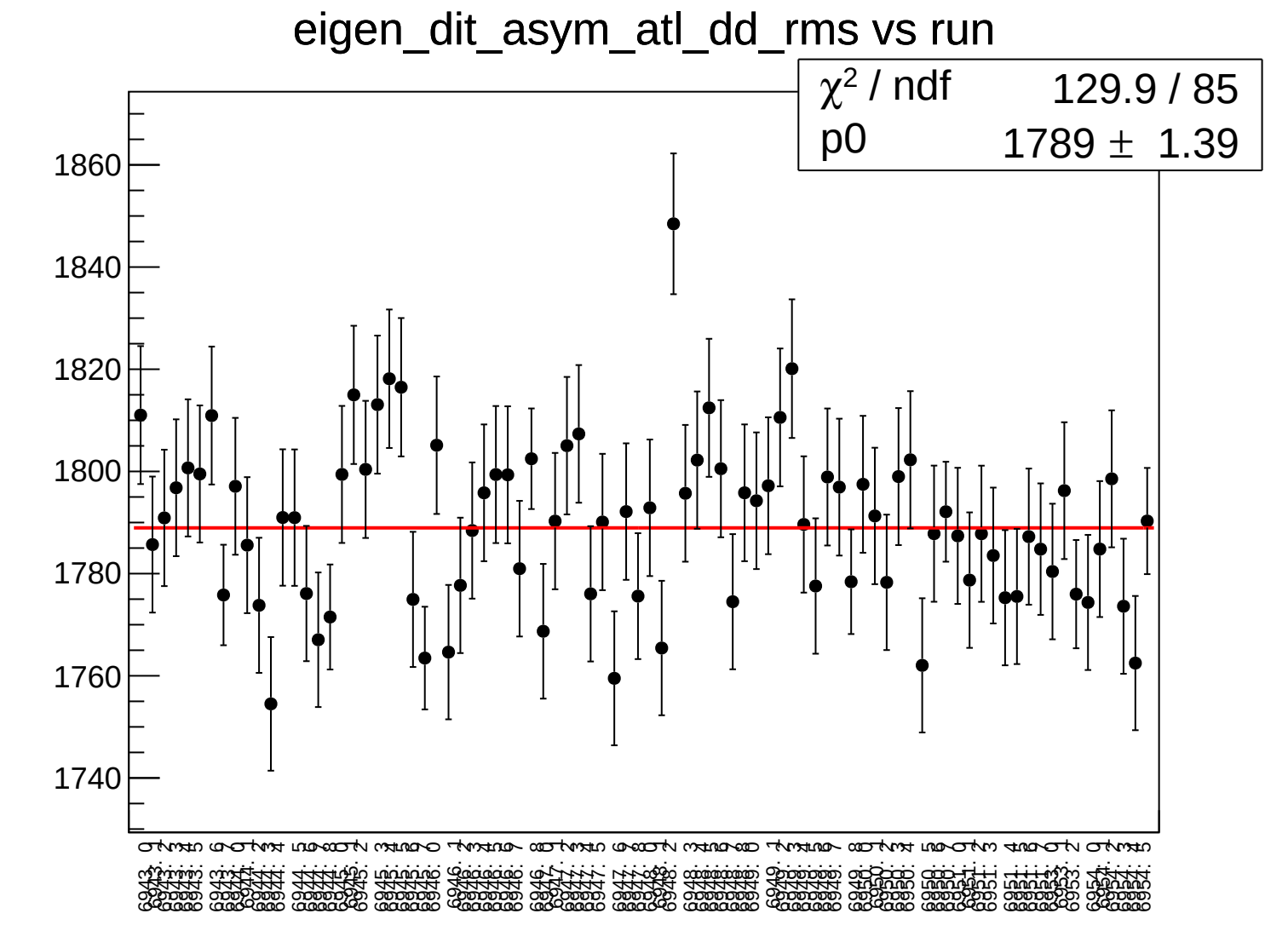

asym_atl_dd_dit_correction_mean vs run
χ^2 / ndf 91.94 / 85
p0 2292 ± 6498
×10^3
pull
Entries 86
Mean 122.5
Std Dev 0

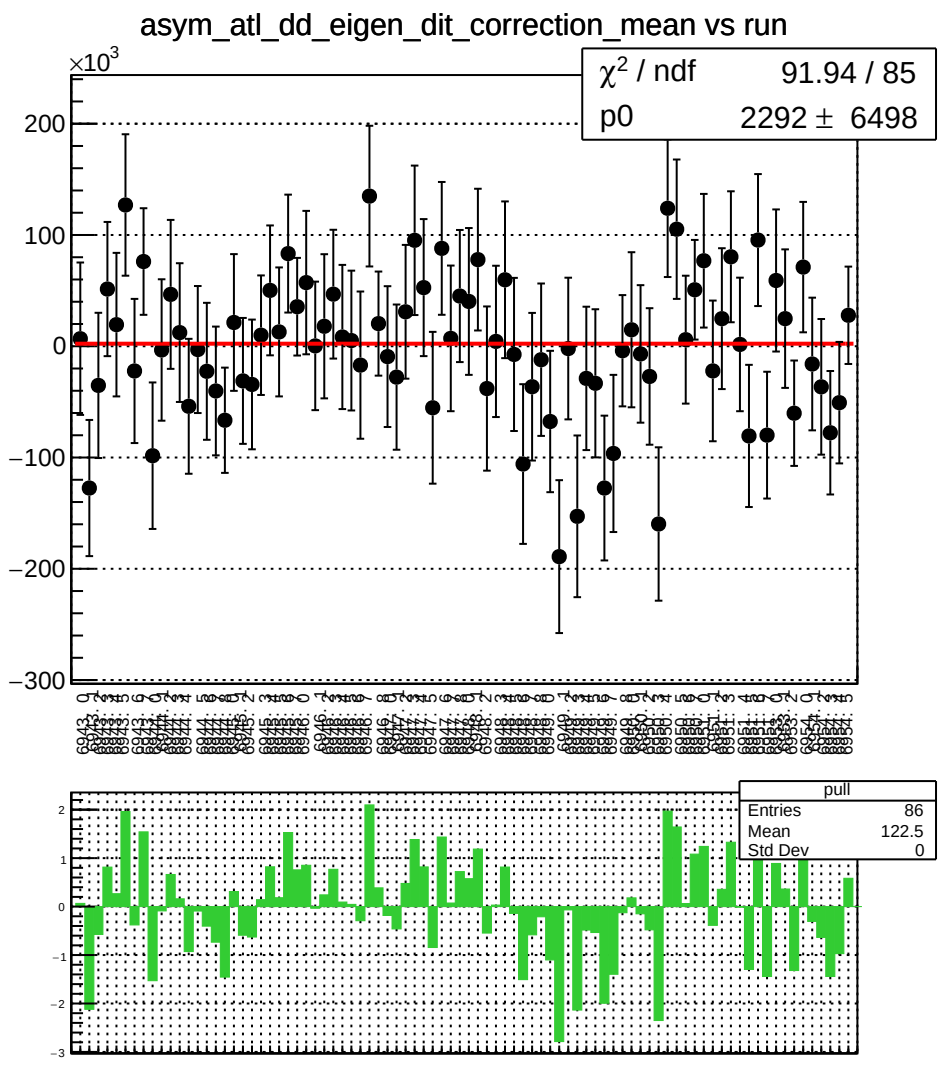

pull1D
Entries 86
Mean −0.02415
Std Dev 1.034

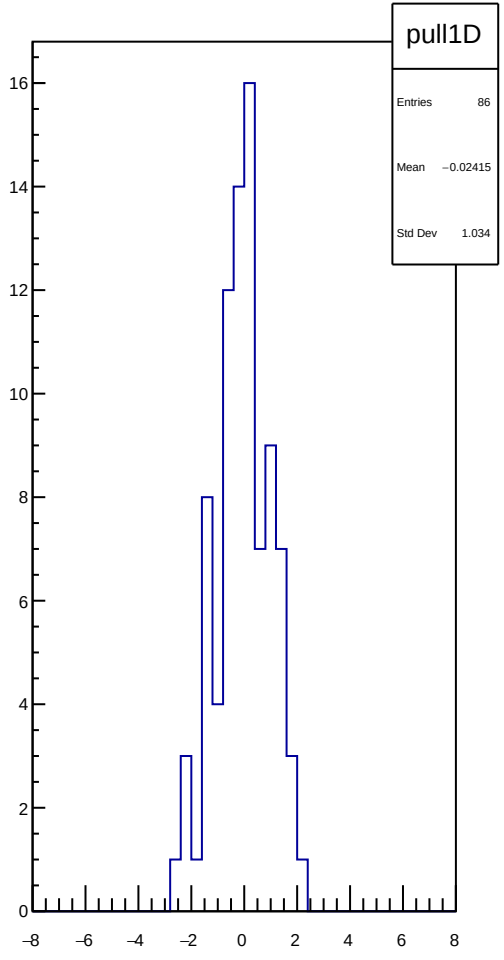

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 7643 / 85
p0 5899 ± 4.594
7000
6500
6000
5500
5000

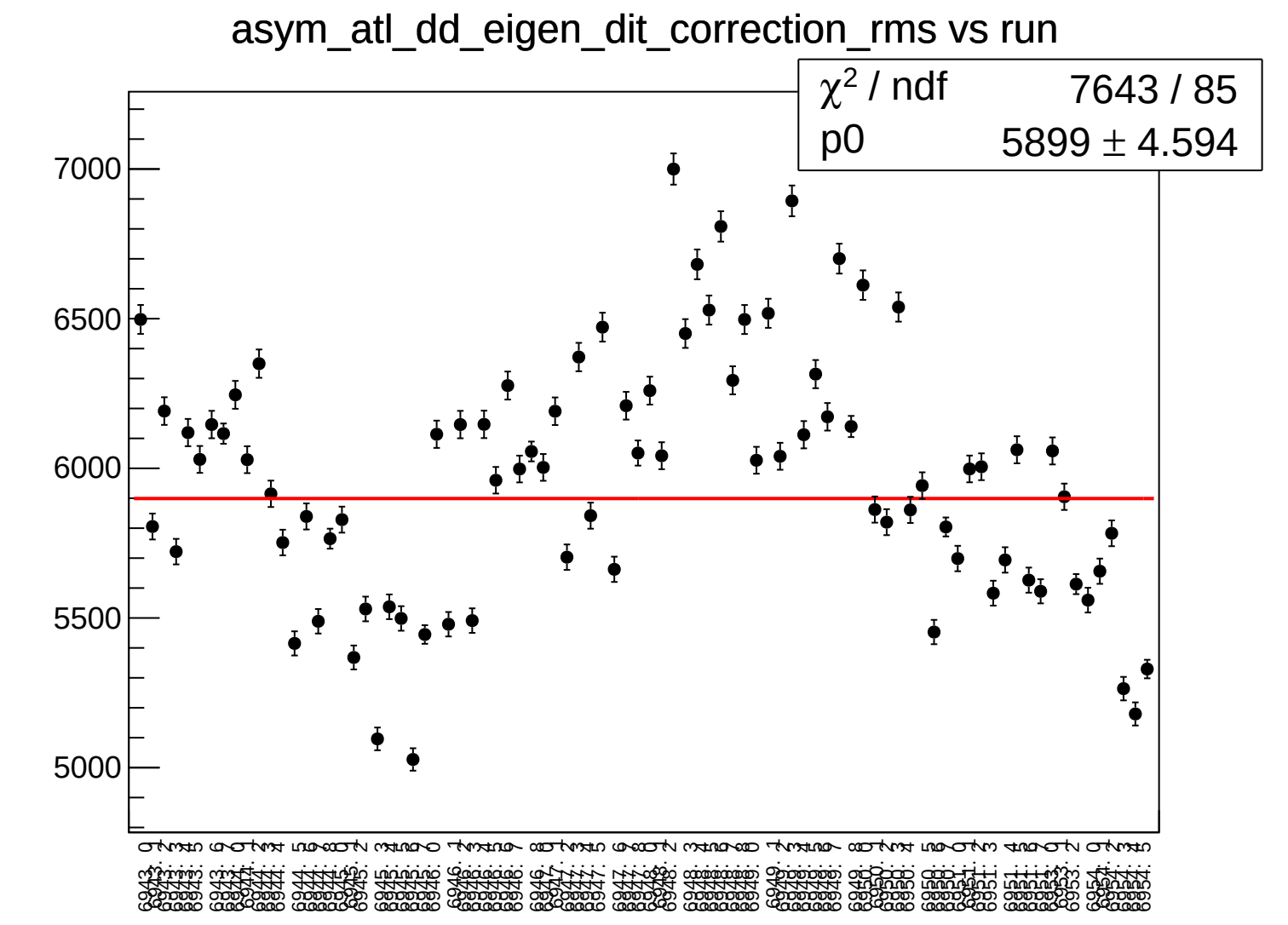

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 99.41 / 85
p0 1072 ± 1966
pull
Entries 86
Mean 1930
Std Dev 0

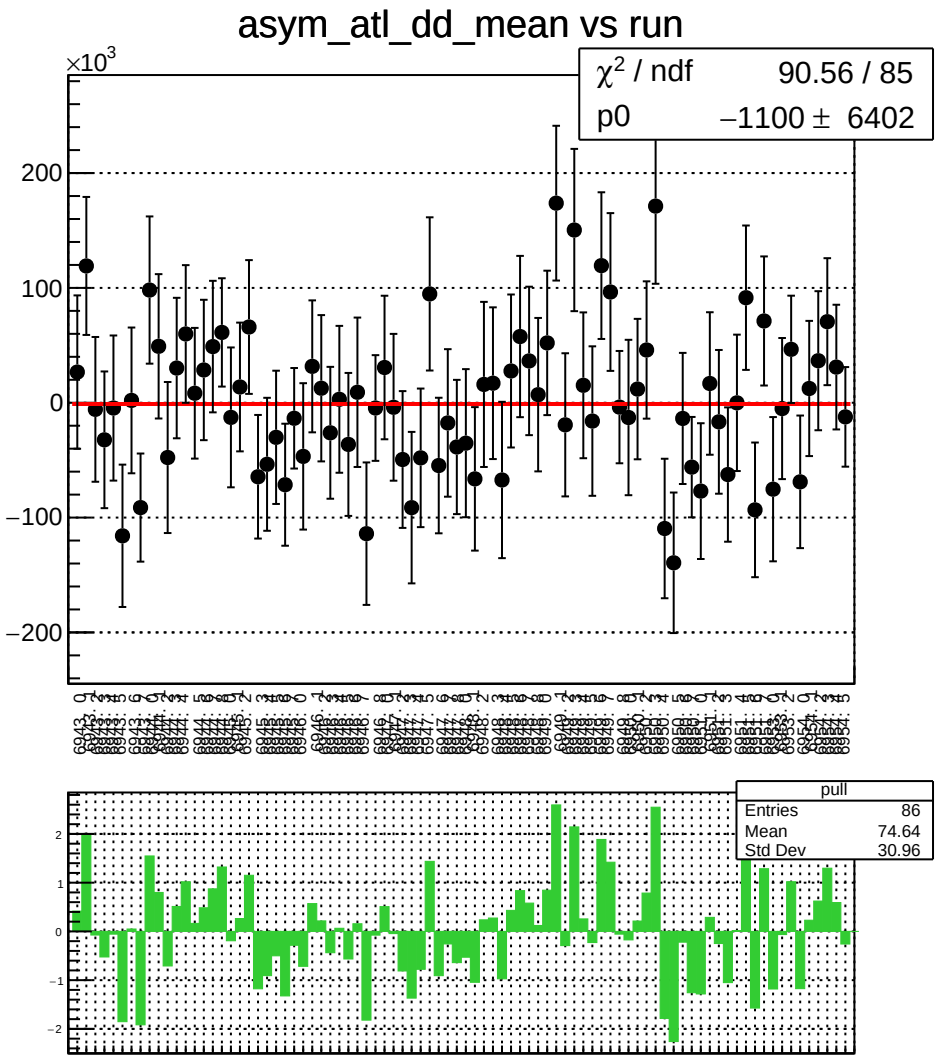

pull1D
Entries 86
Mean −0.002165
Std Dev 1.075

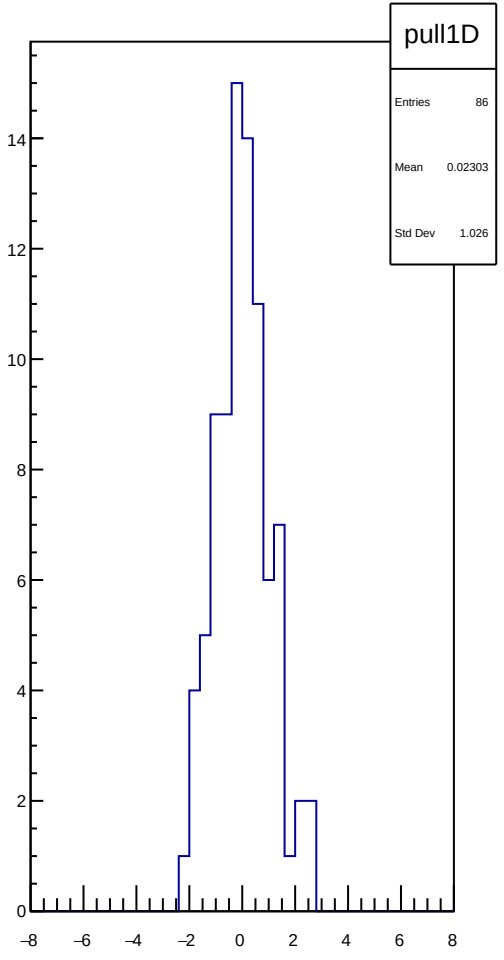

eigen_dit_asym_atl_dd_rms vs run
χ^2 / ndf 129.9 / 85
p0 1789 ± 1.39
1860
1840
1820
1800
1780
1760
1740

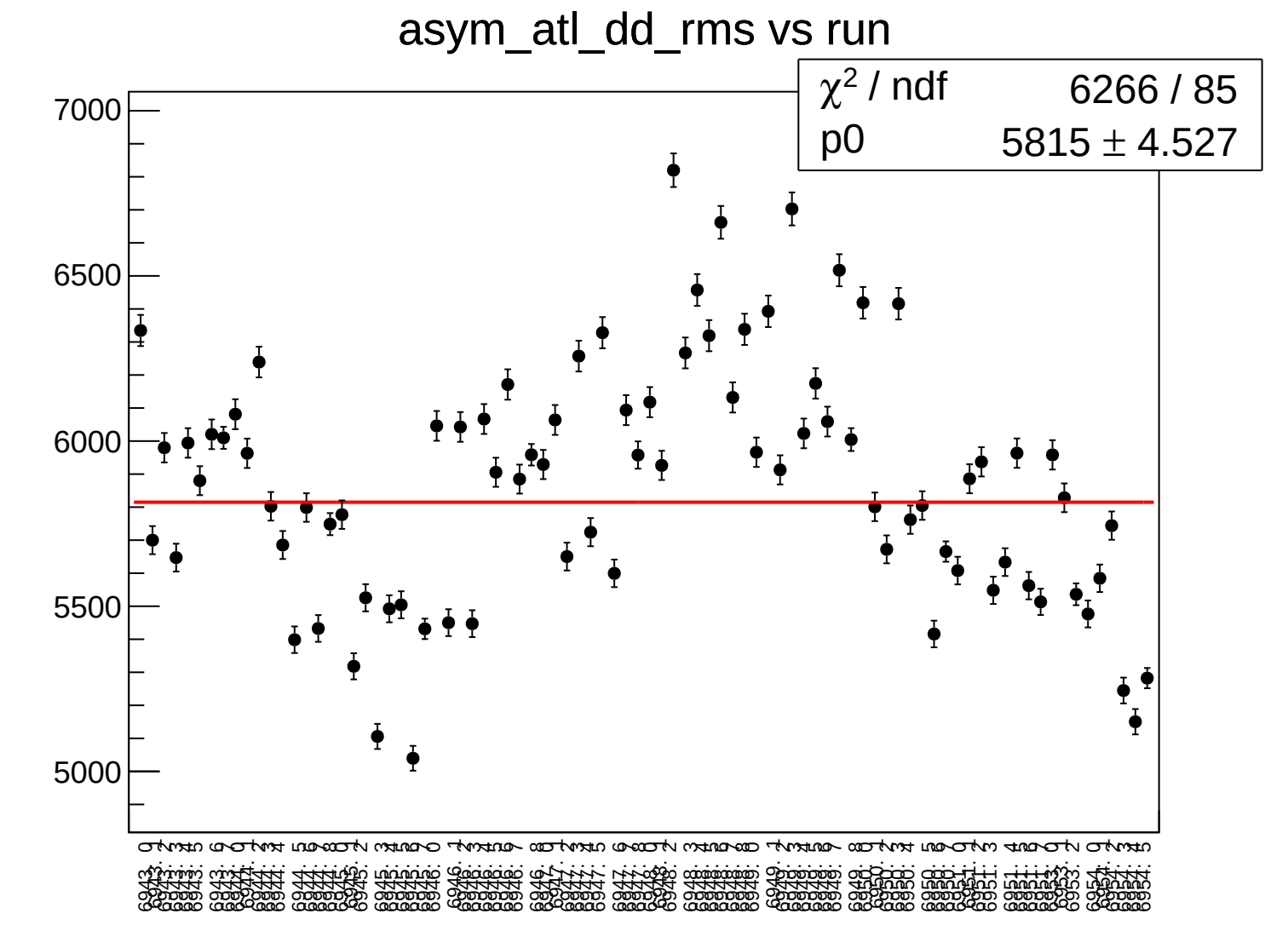

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 91.94 / 85
p0 2292 ± 6498
200
100
0
−100
−200
−300
pull
Entries 86
Mean 122.5
Std Dev 0
2
1
0
−1
−2
−3

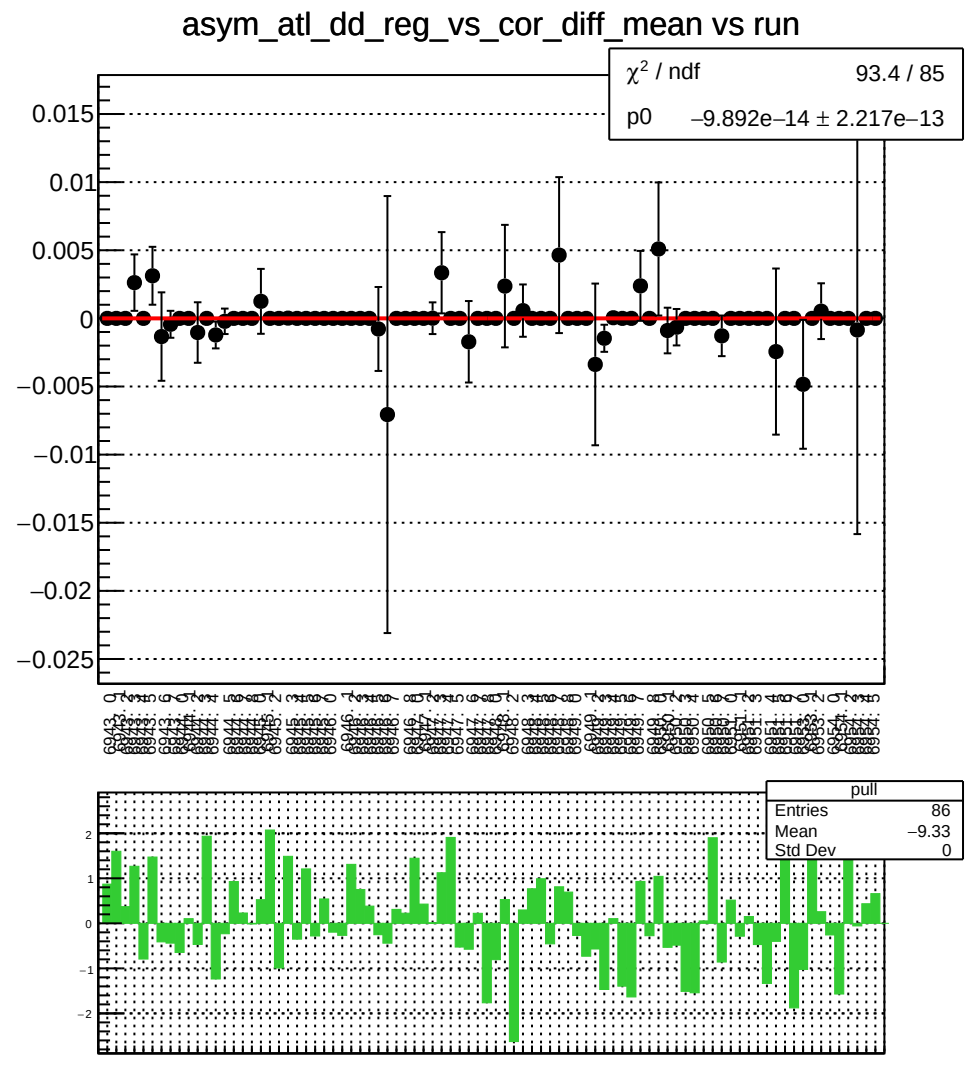

pull1D
Entries 86
Mean −0.02415
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

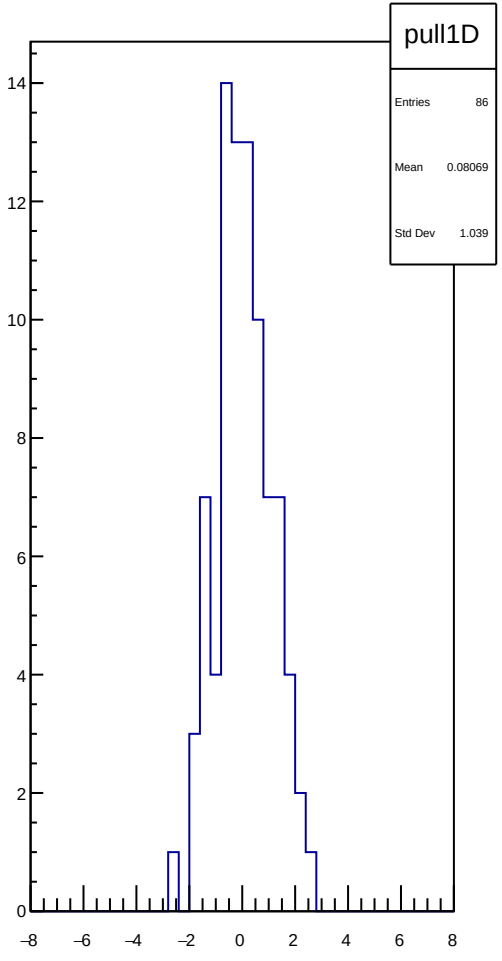

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 7643 / 85
p0 5899 ± 4.594
7000
6500
6000
5500
5000

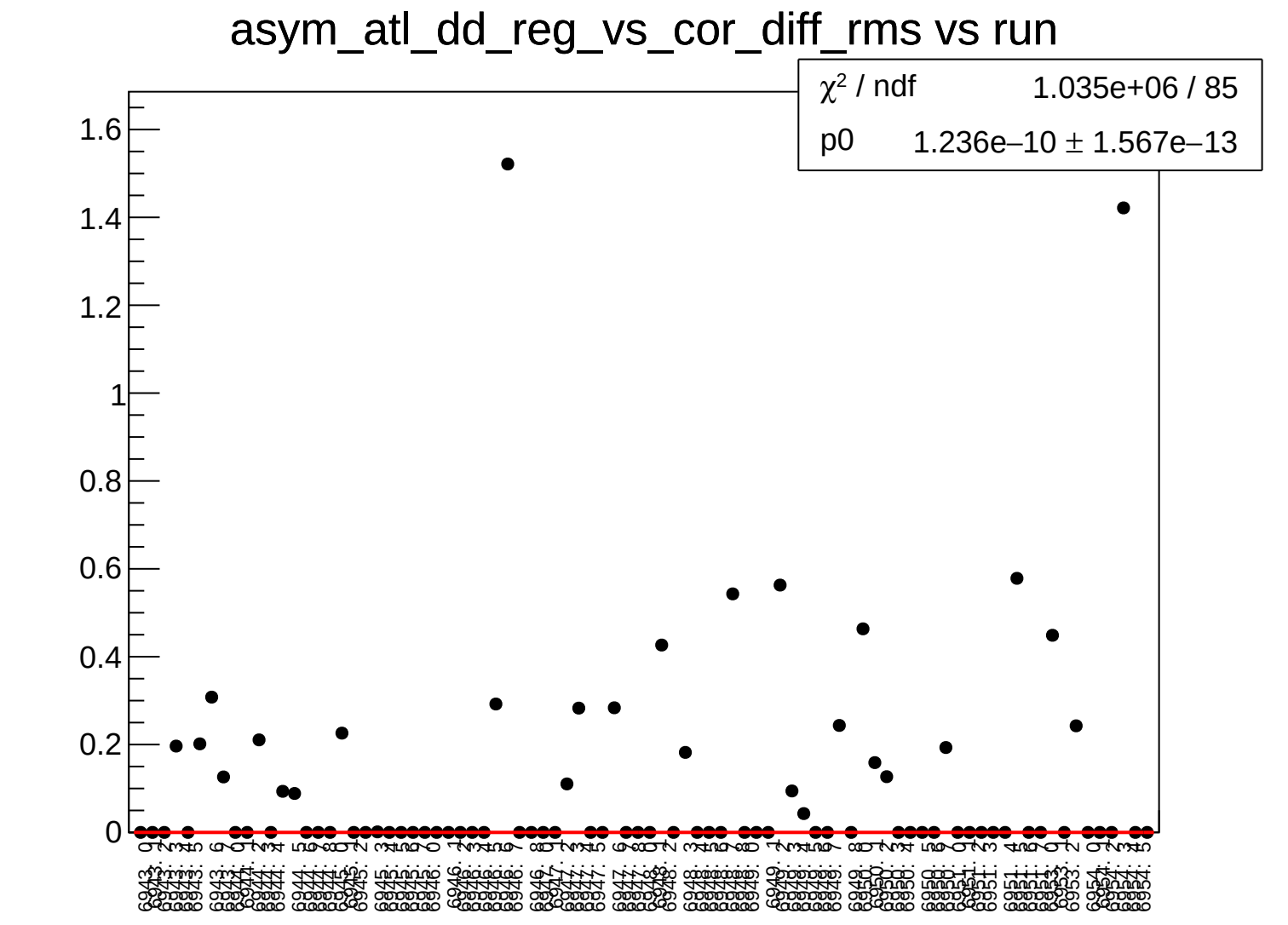

asym_atl_dd_mean vs run
×10^3
χ² / ndf 90.56 / 85
p0 −1100 ± 6402
200
100
0
−100
−200
pull
Entries 86
Mean 74.64
Std Dev 30.96
2
1
0
−1
−2

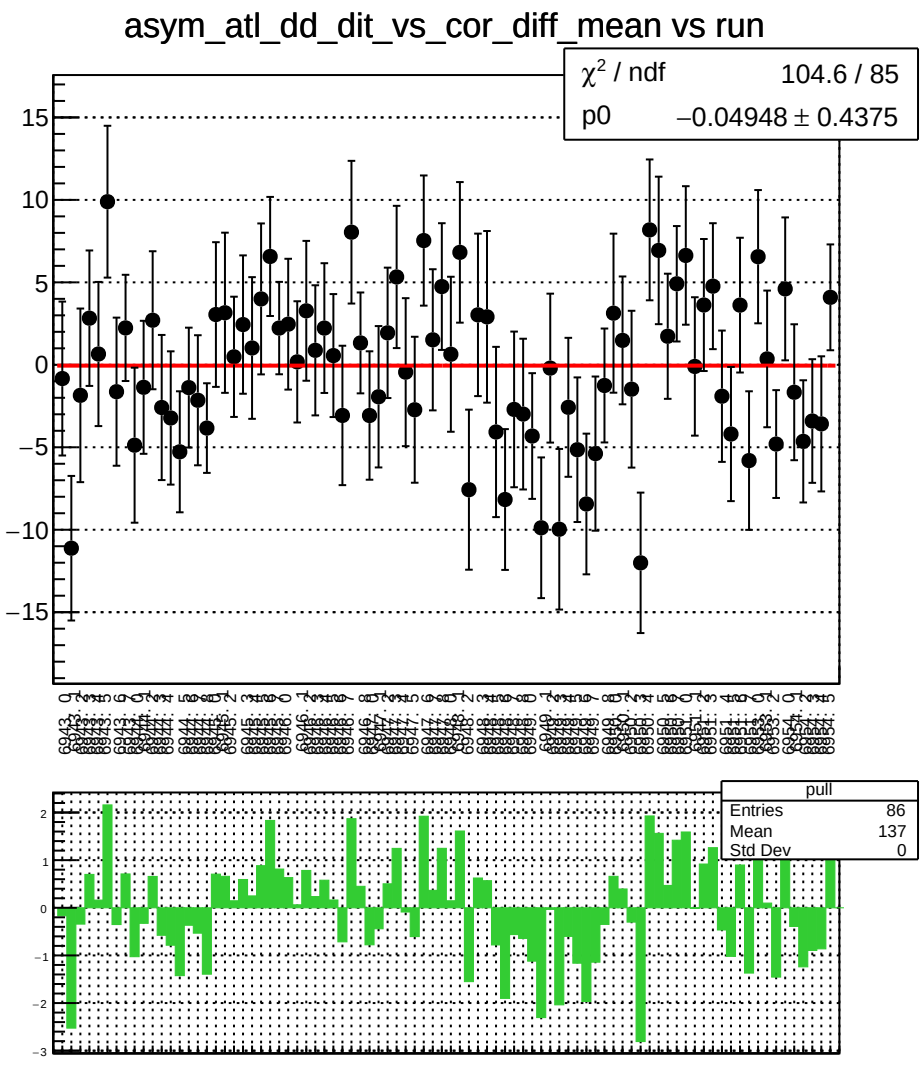

pull1D
Entries 86
Mean 0.02303
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

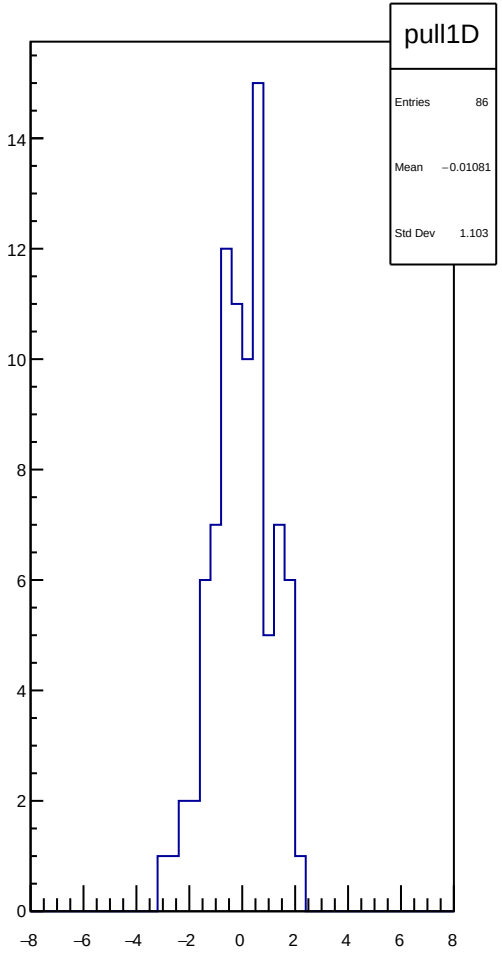

asym_atl_dd_rms vs run
χ^2 / ndf 6266 / 85
p0 5815 ± 4.527
7000
6500
6000
5500
5000

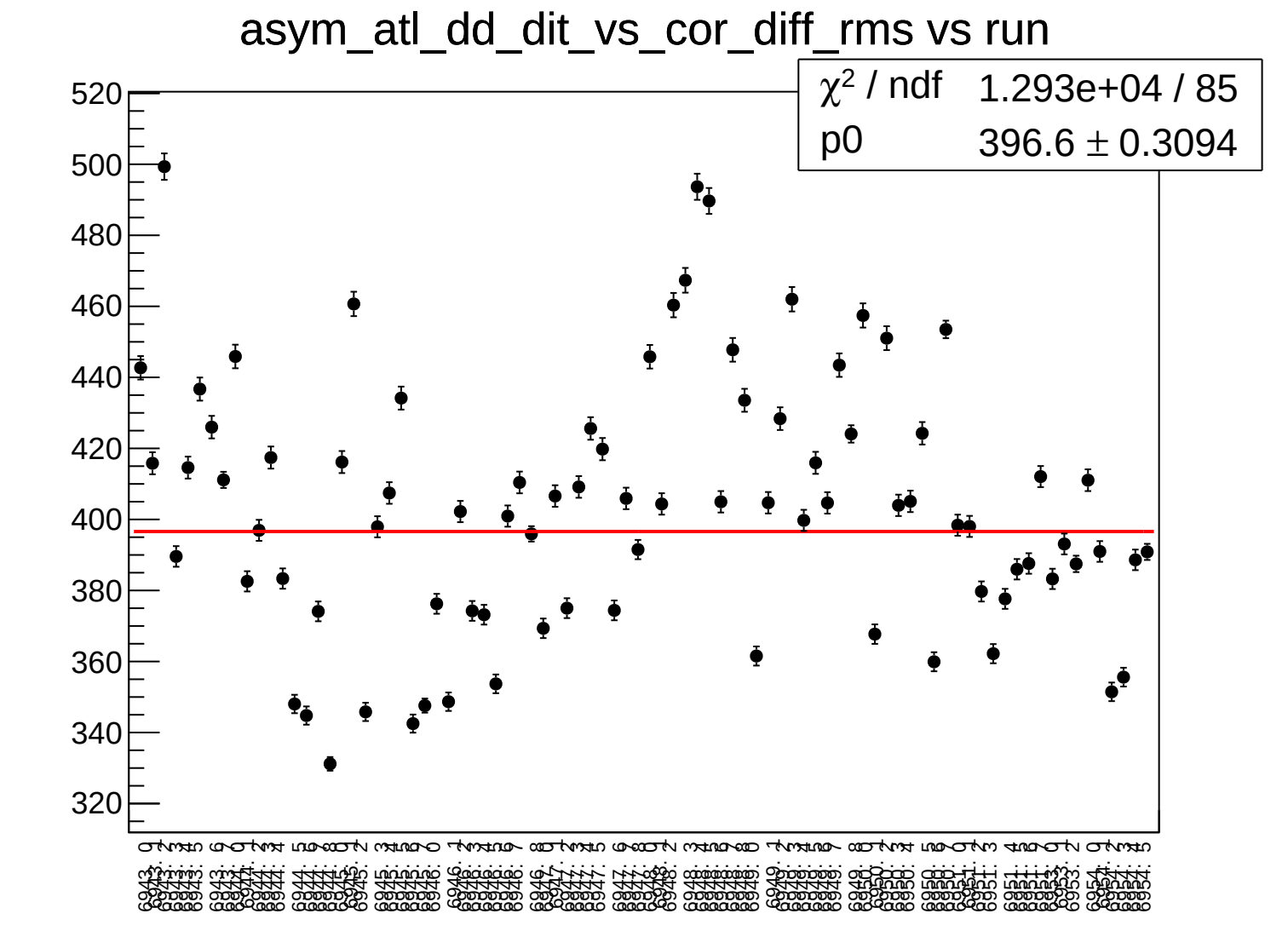

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.4 / 85
p0 −9.892e−14 ± 2.217e−13
pull
Entries 86
Mean −9.33
Std Dev 0

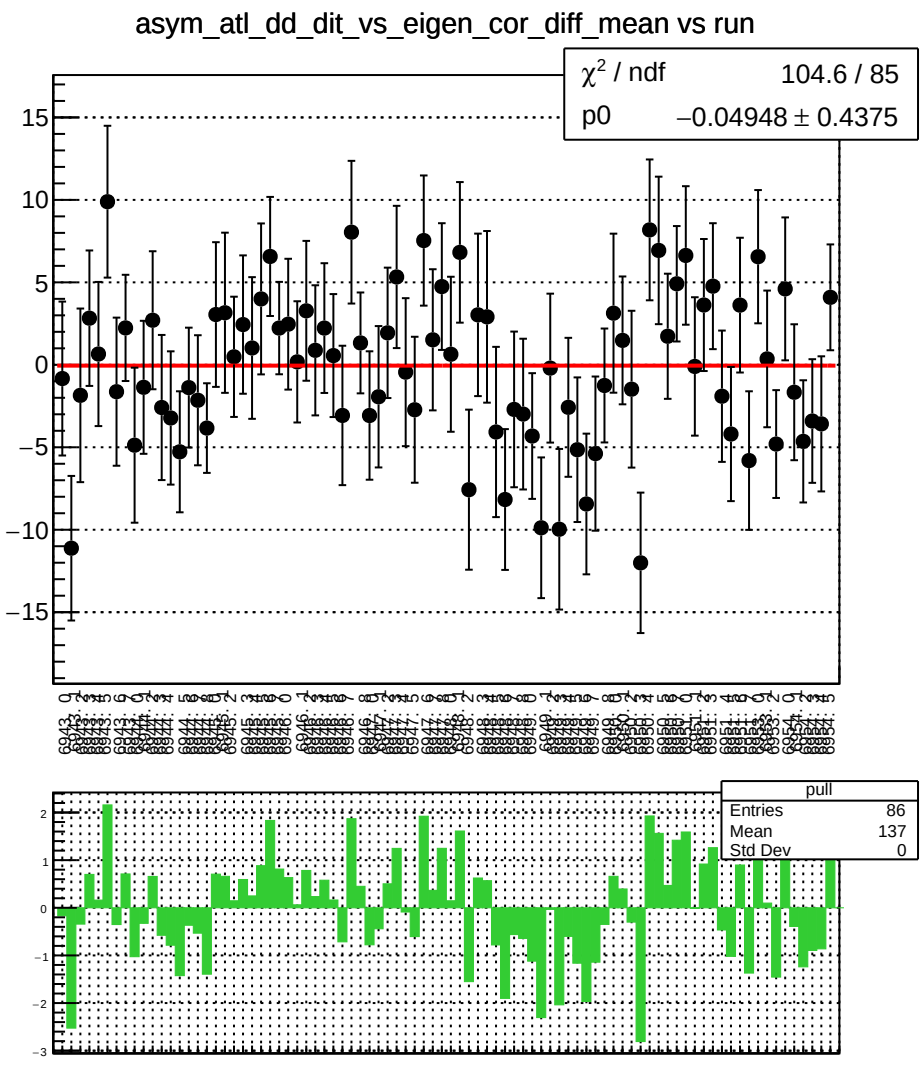

pull1D
Entries 86
Mean 0.08069
Std Dev 1.039

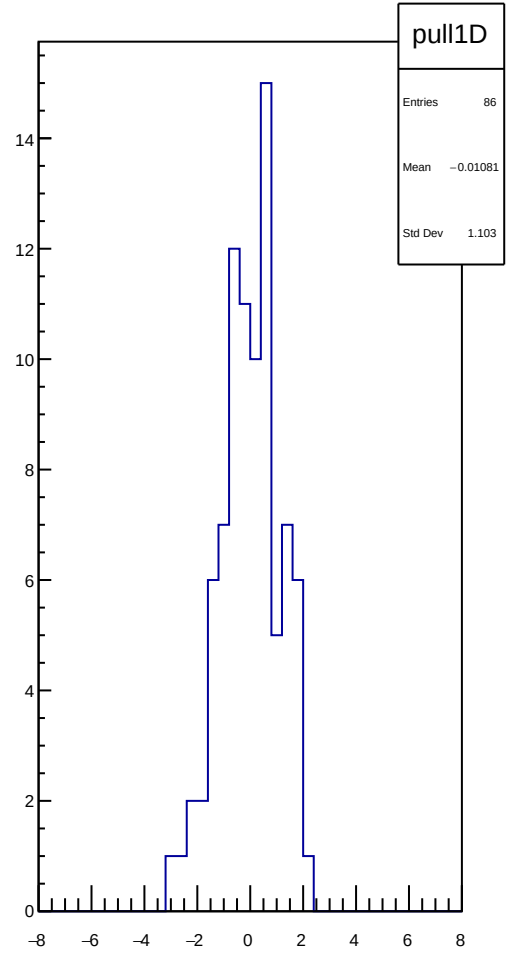

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.035e+06 / 85
p0 1.236e−10 ± 1.567e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

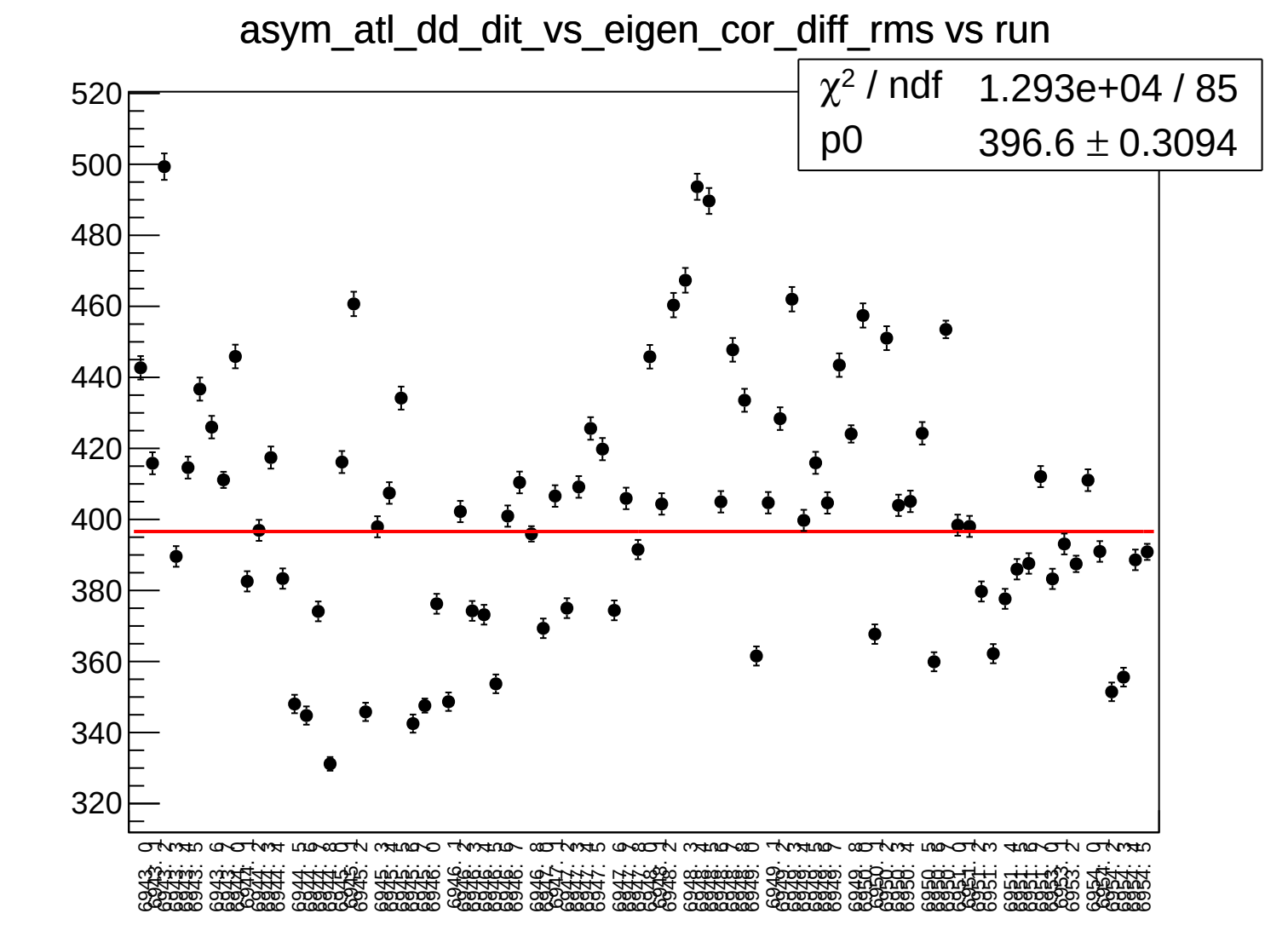

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 104.6 / 85
p0 −0.04948 ± 0.4375
pull
Entries 86
Mean 137
Std Dev 0

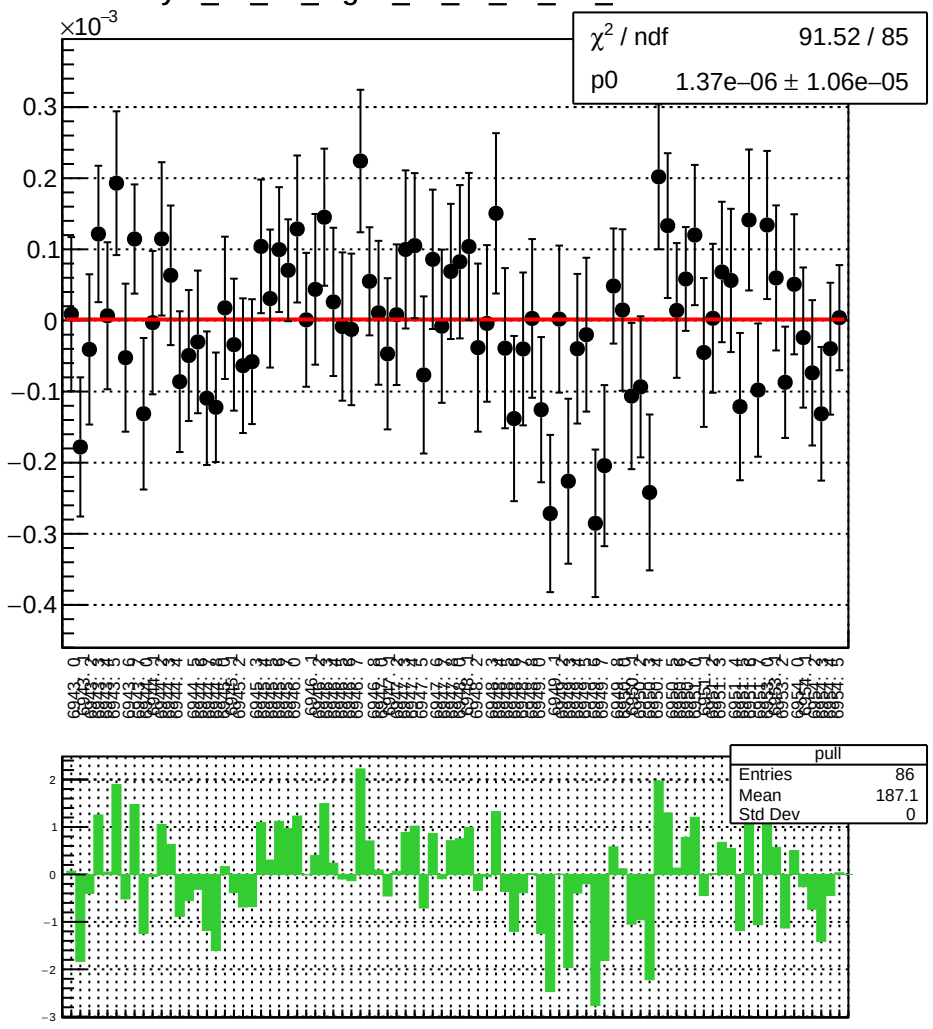

pull1D
Entries 86
Mean −0.01081
Std Dev 1.103

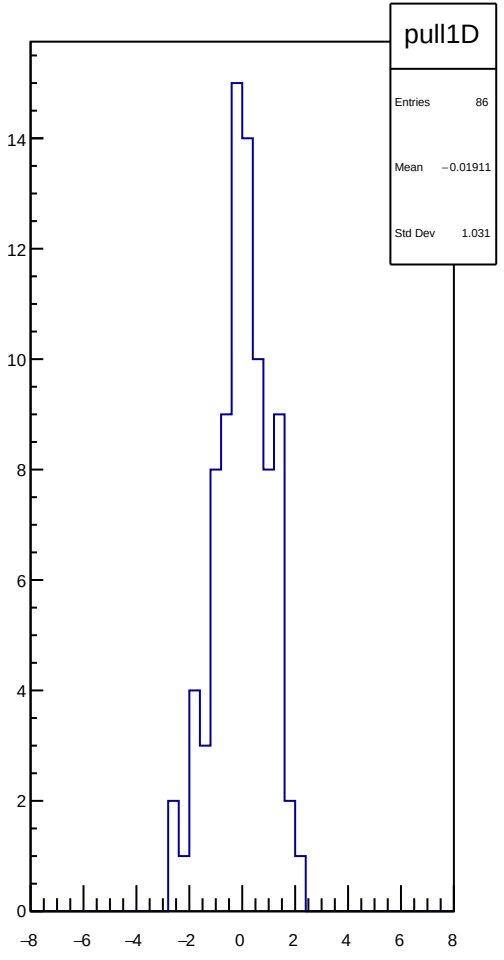

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 85
p0 396.6 ± 0.3094
520
500
480
460
440
420
400
380
360
340
320

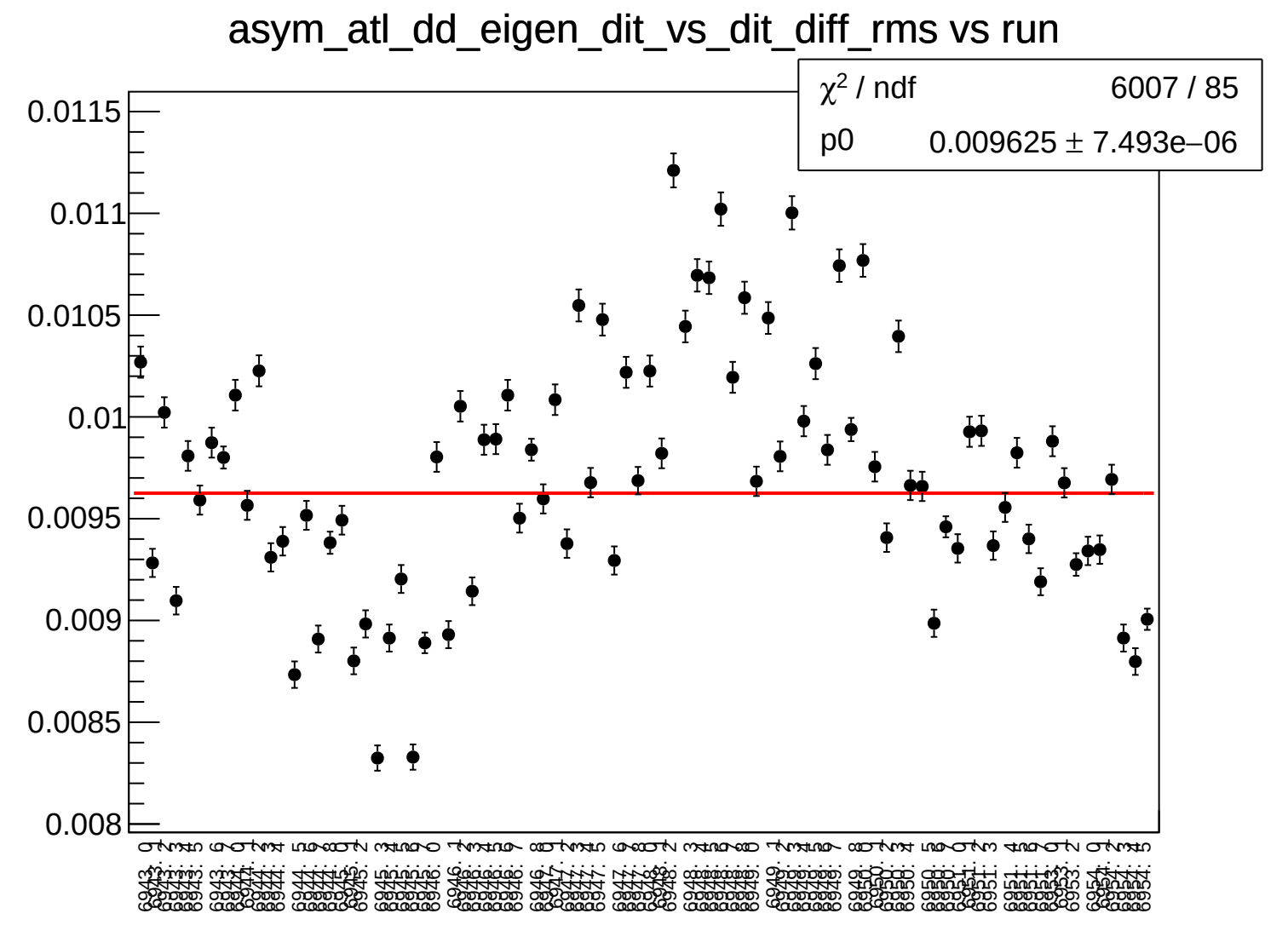

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.6 / 85
p0 −0.04948 ± 0.4375
pull
Entries 86
Mean 137
Std Dev 0

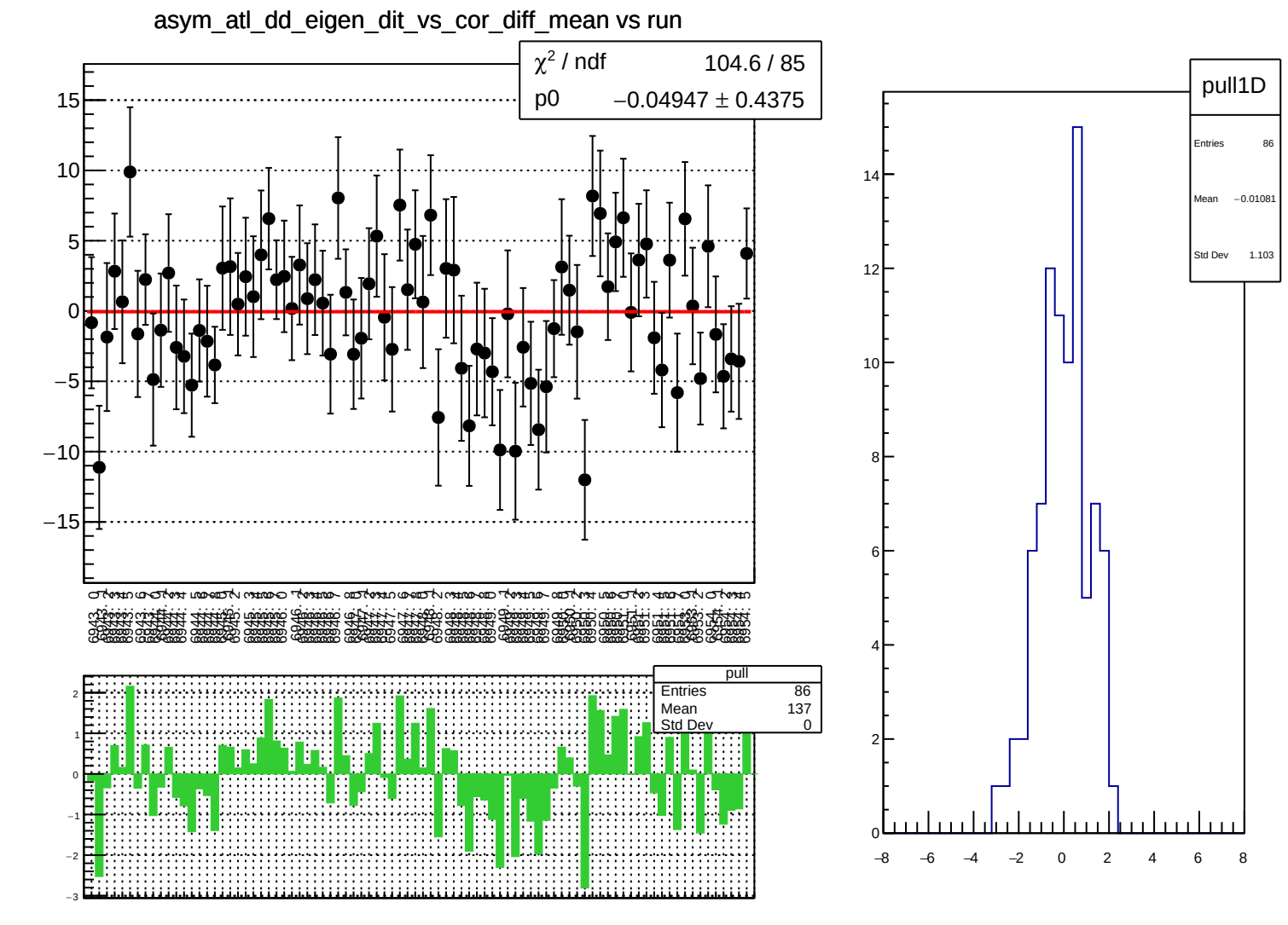

pull1D
Entries 86
Mean −0.01081
Std Dev 1.103

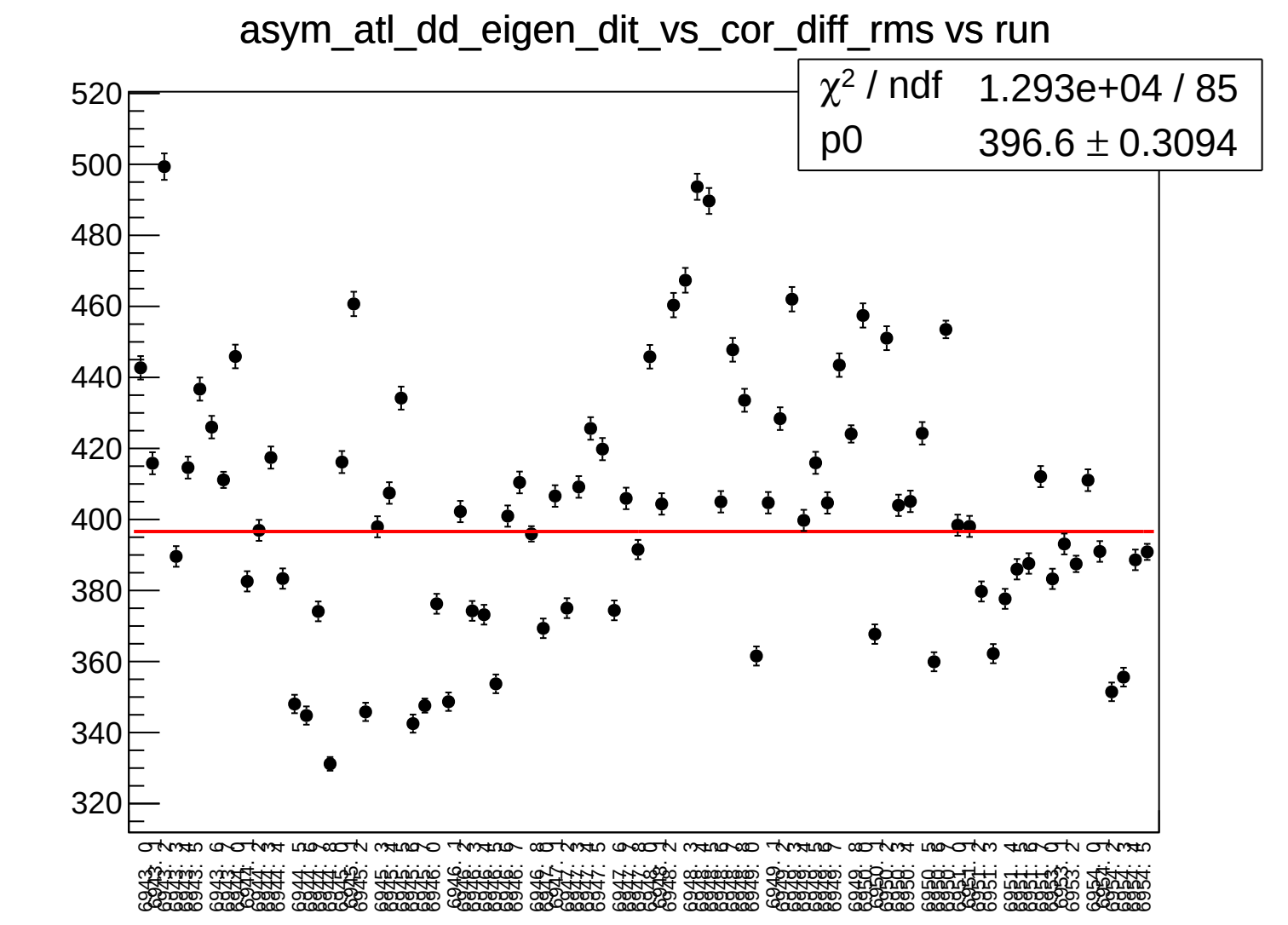

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.293e+04 / 85
p0 396.6 ± 0.3094
520
500
480
460
440
420
400
380
360
340
320

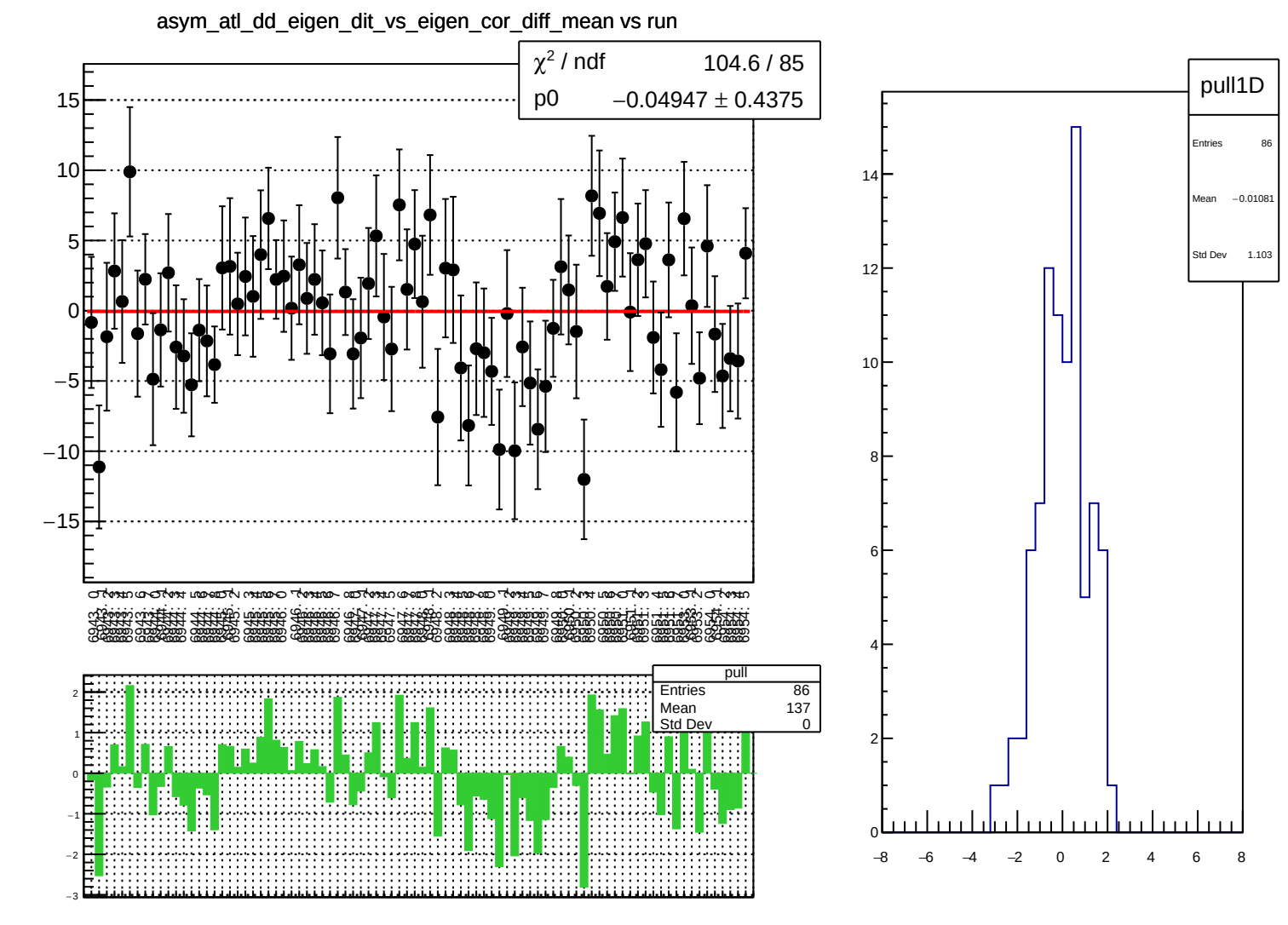

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.52 / 85
p0 1.37e−06 ± 1.06e−05
pull
Entries 86
Mean 187.1
Std Dev 0

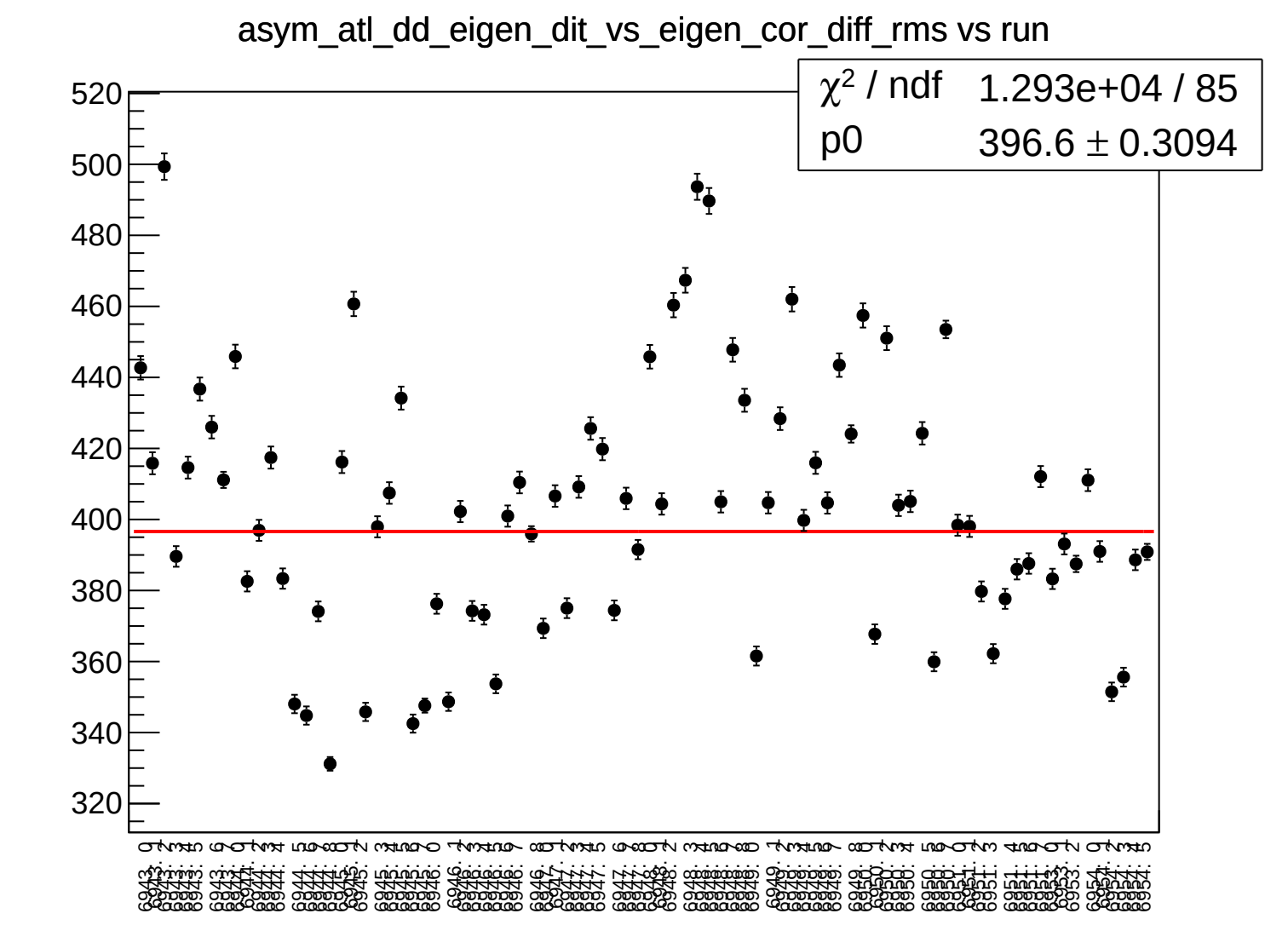

pull1D
Entries 86
Mean −0.01911
Std Dev 1.031

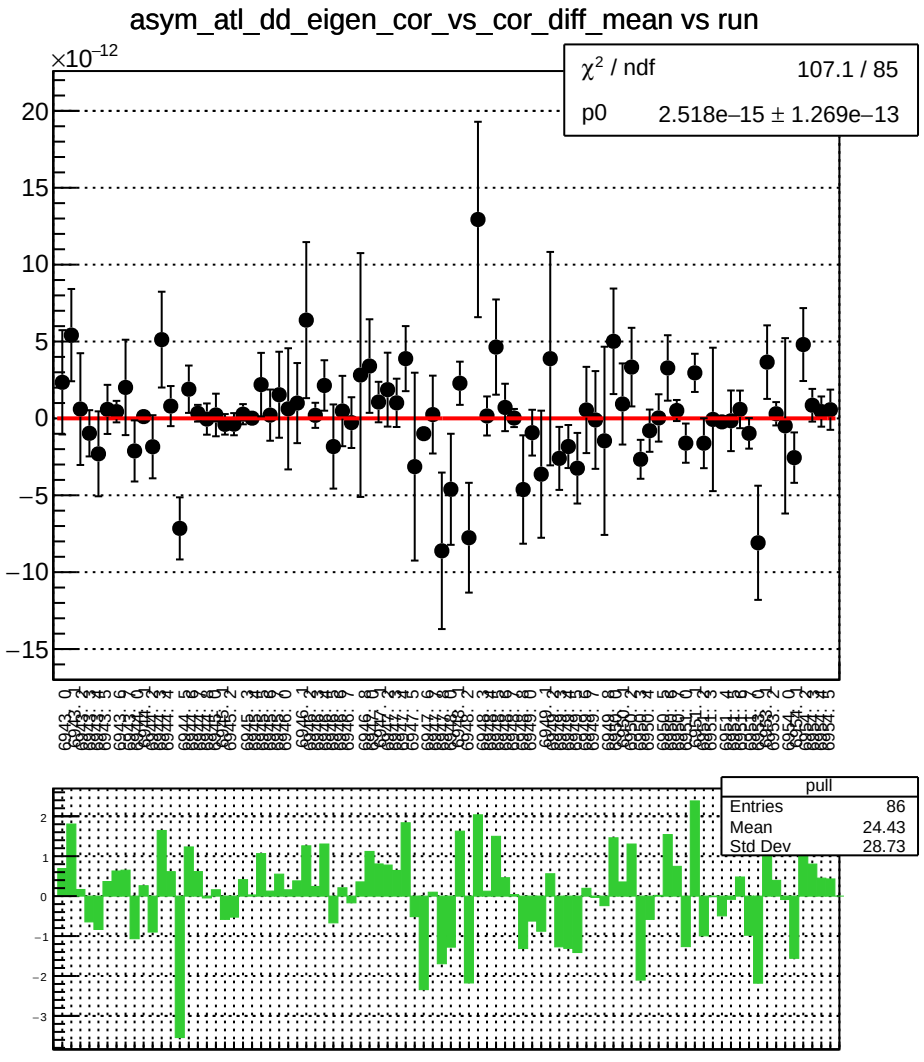

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6007 / 85
p0 0.009625 ± 7.493e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

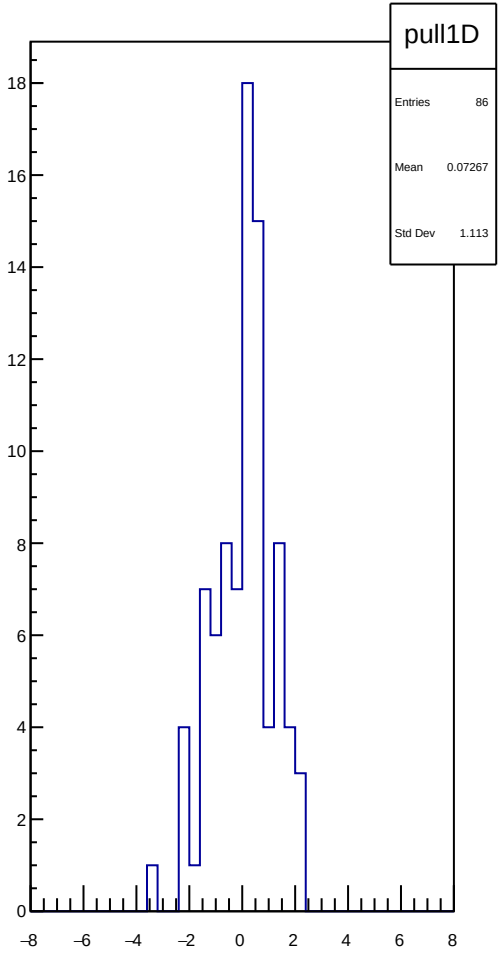

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.6 / 85
p0 −0.04947 ± 0.4375
pull
Entries 86
Mean 137
Std Dev 0
pull1D
Entries 86
Mean −0.01081
Std Dev 1.103

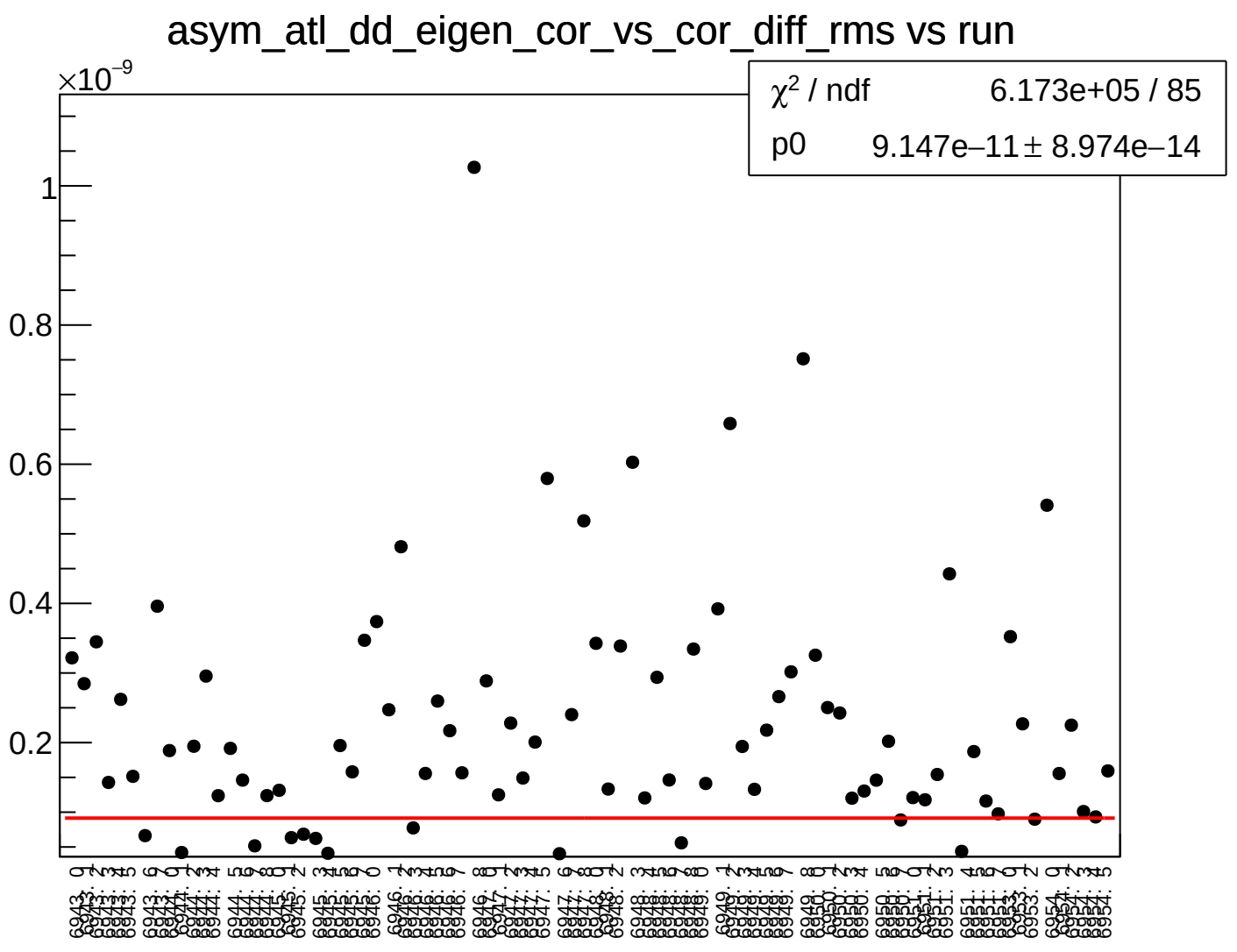

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 85
p0 396.6 ± 0.3094
520
500
480
460
440
420
400
380
360
340
320

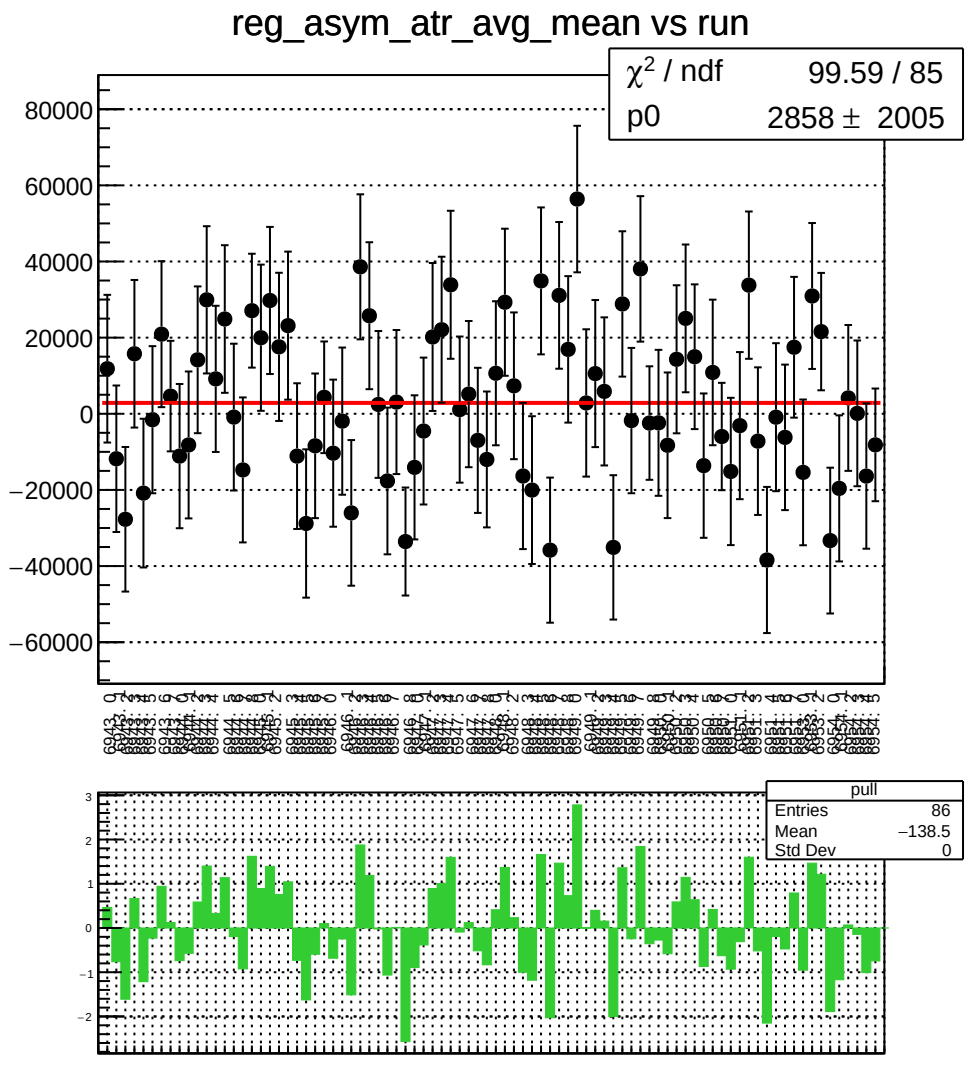

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.6 / 85
p0 −0.04947 ± 0.4375
pull
Entries 86
Mean 137
Std Dev 0
pull1D
Entries 86
Mean −0.01081
Std Dev 1.103

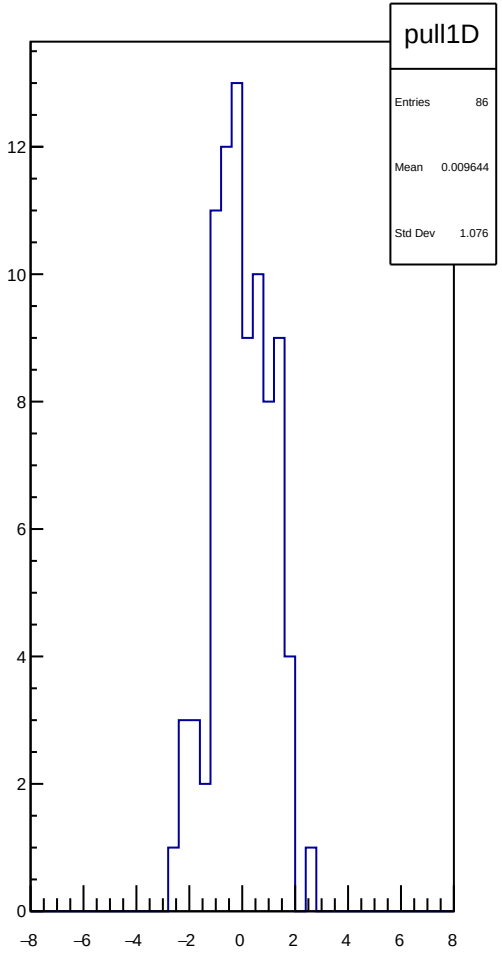

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 85
p0 396.6 ± 0.3094
520
500
480
460
440
420
400
380
360
340
320

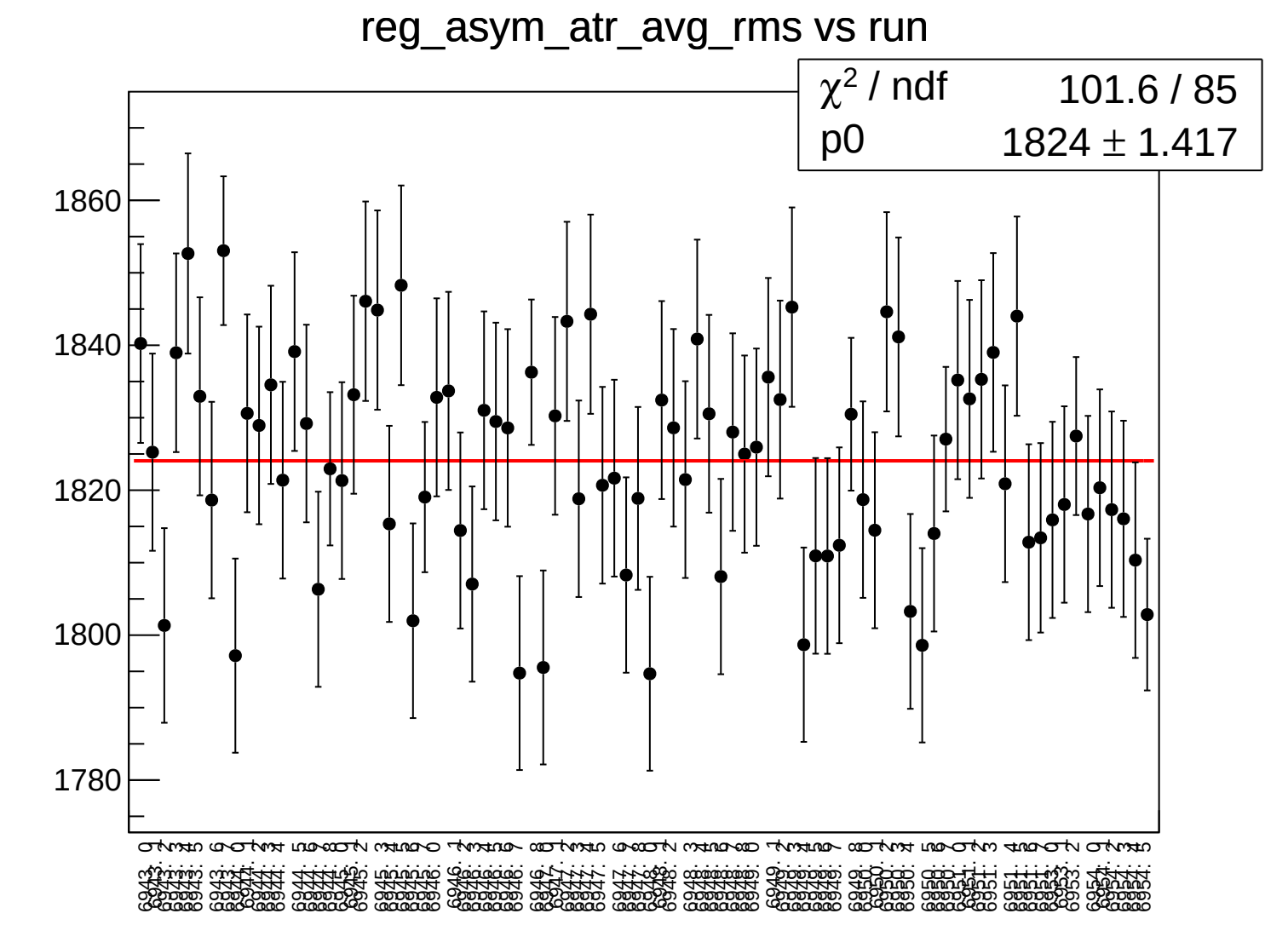

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107.1 / 85
p0 2.518e−15 ± 1.269e−13
pull
Entries 86
Mean 24.43
Std Dev 28.73

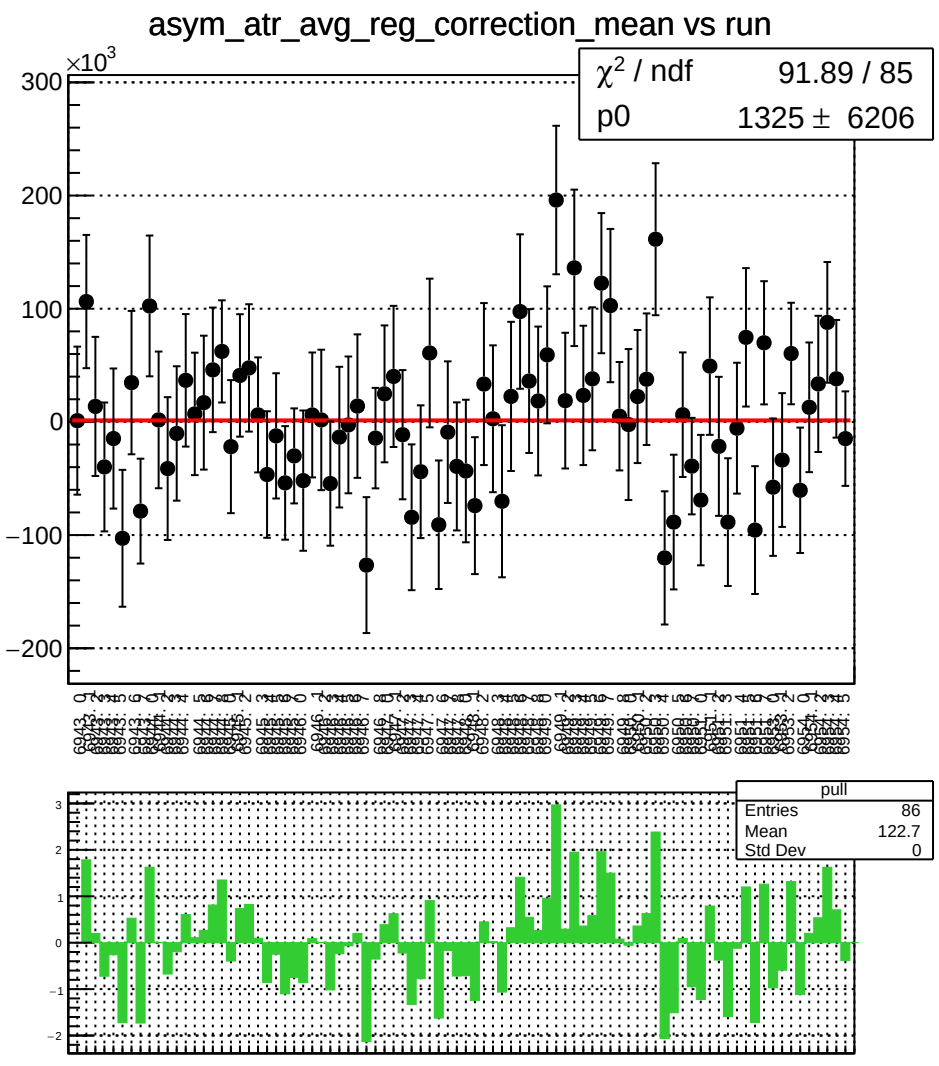

pull1D
Entries 86
Mean 0.07267
Std Dev 1.113

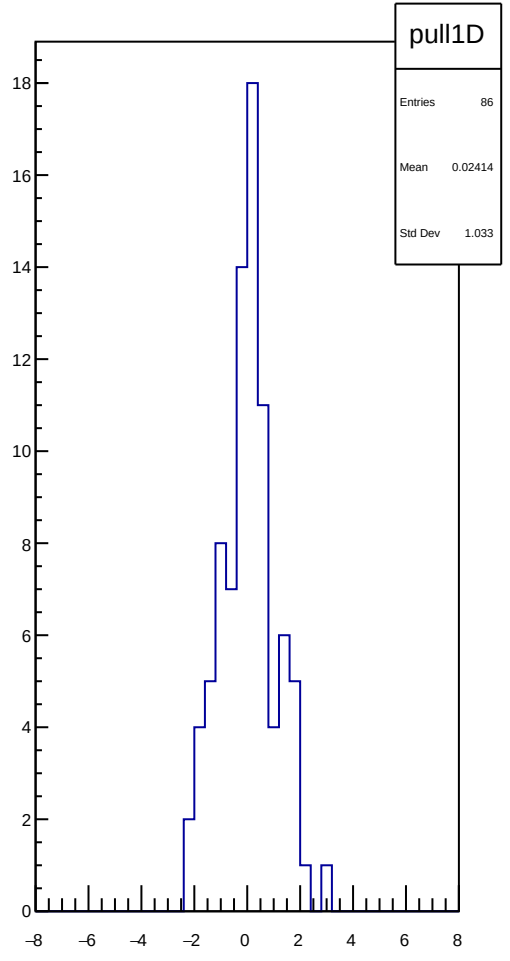

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.173e+05 / 85
p0 9.147e−11 ± 8.974e−14
1
0.8
0.6
0.4
0.2

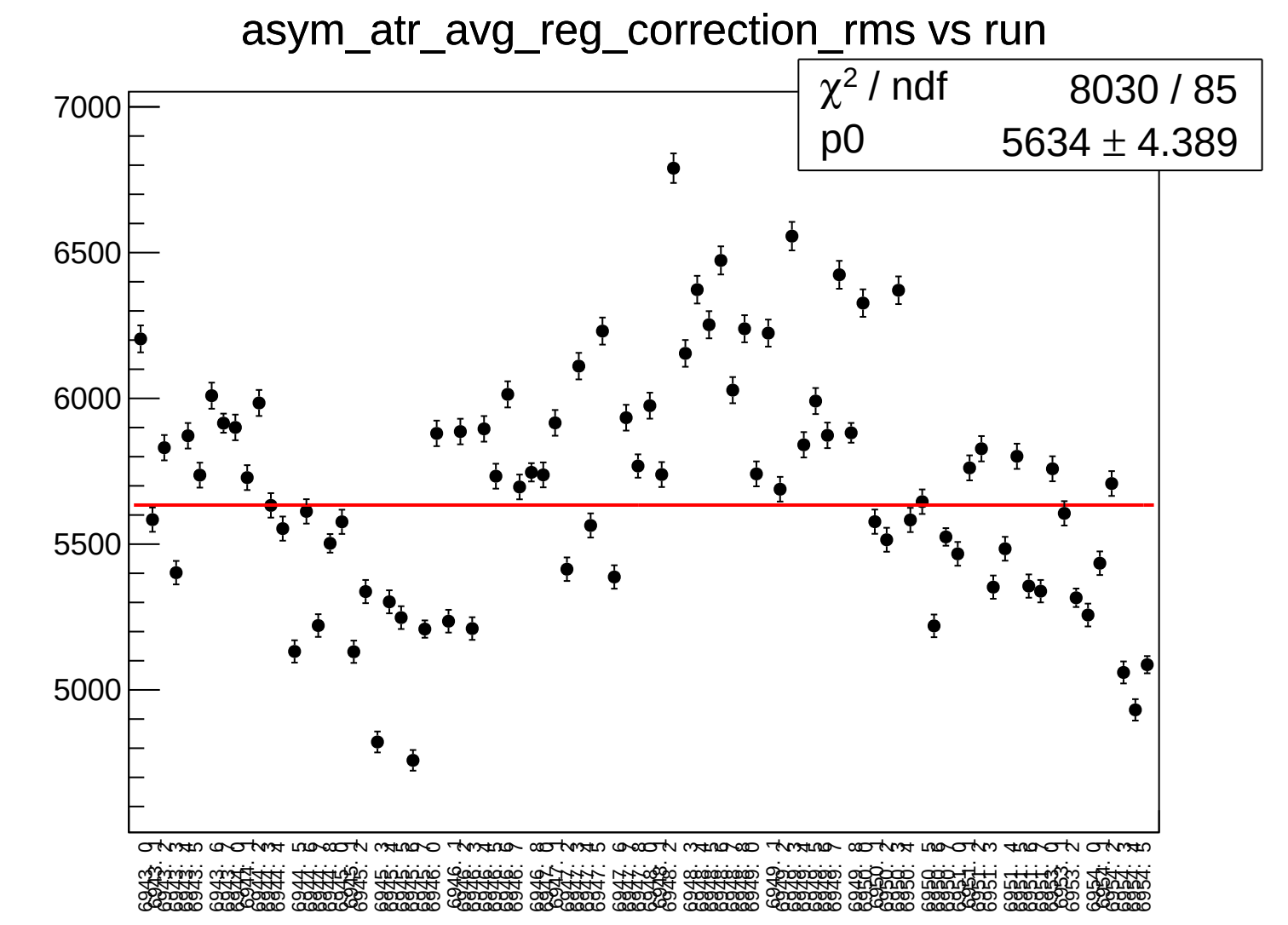

reg_asym_atr_avg_mean vs run
χ² / ndf 99.59 / 85
p0 2858 ± 2005
pull
Entries 86
Mean −138.5
Std Dev 0

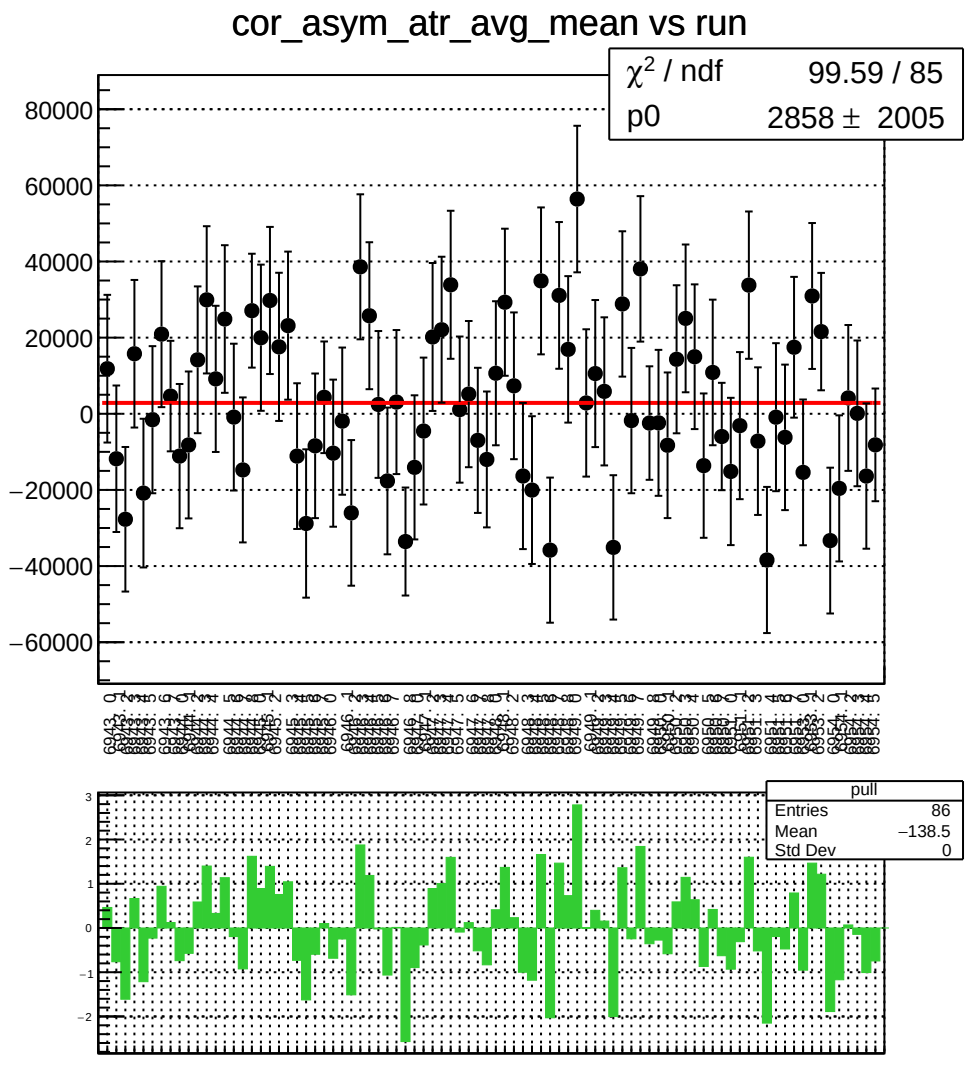

pull1D
Entries 86
Mean 0.009644
Std Dev 1.076

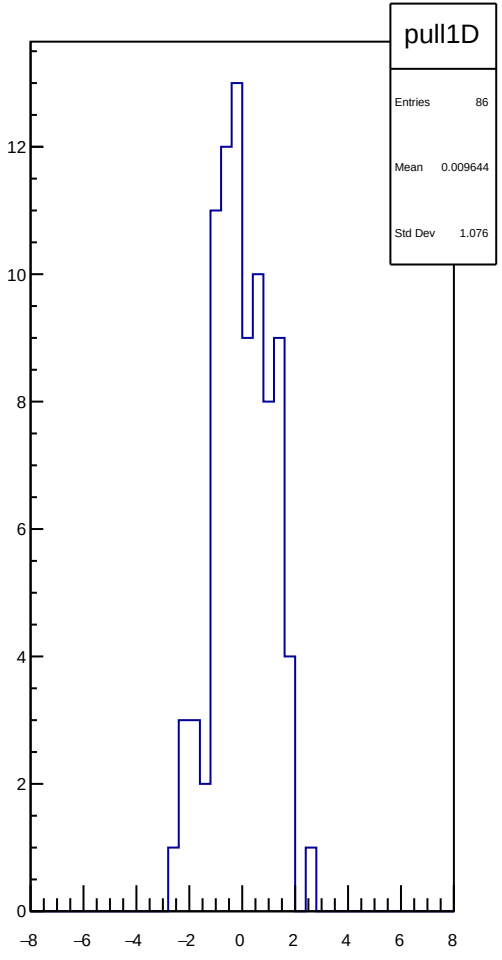

reg_asym_atr_avg_rms vs run
χ^2 / ndf 101.6 / 85
p0 1824 ± 1.417
1860
1840
1820
1800
1780

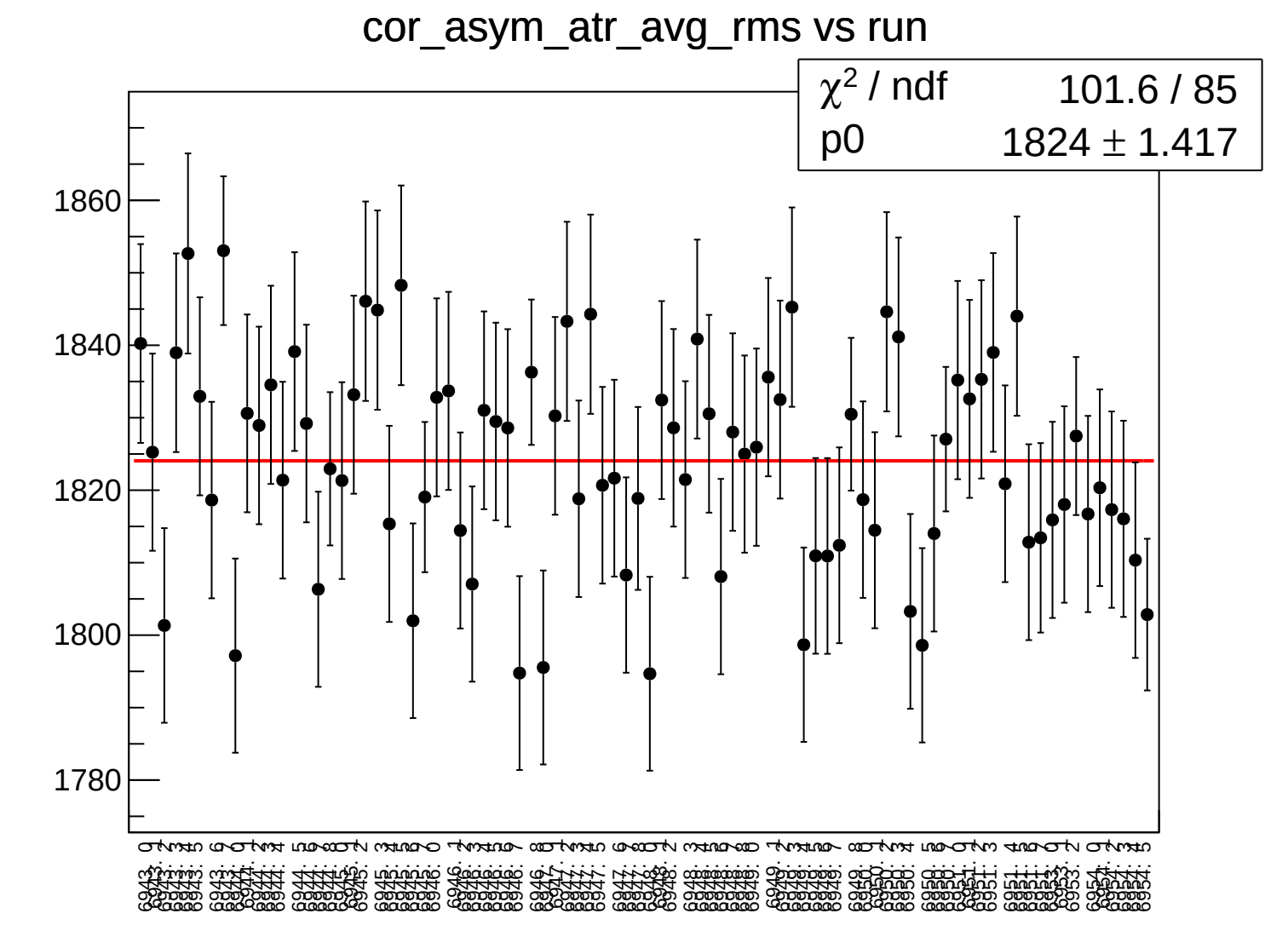

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91.89 / 85
p0 1325 ± 6206
300
200
100
0
−100
−200
pull
Entries 86
Mean 122.7
Std Dev 0
3
2
1
0
−1
−2

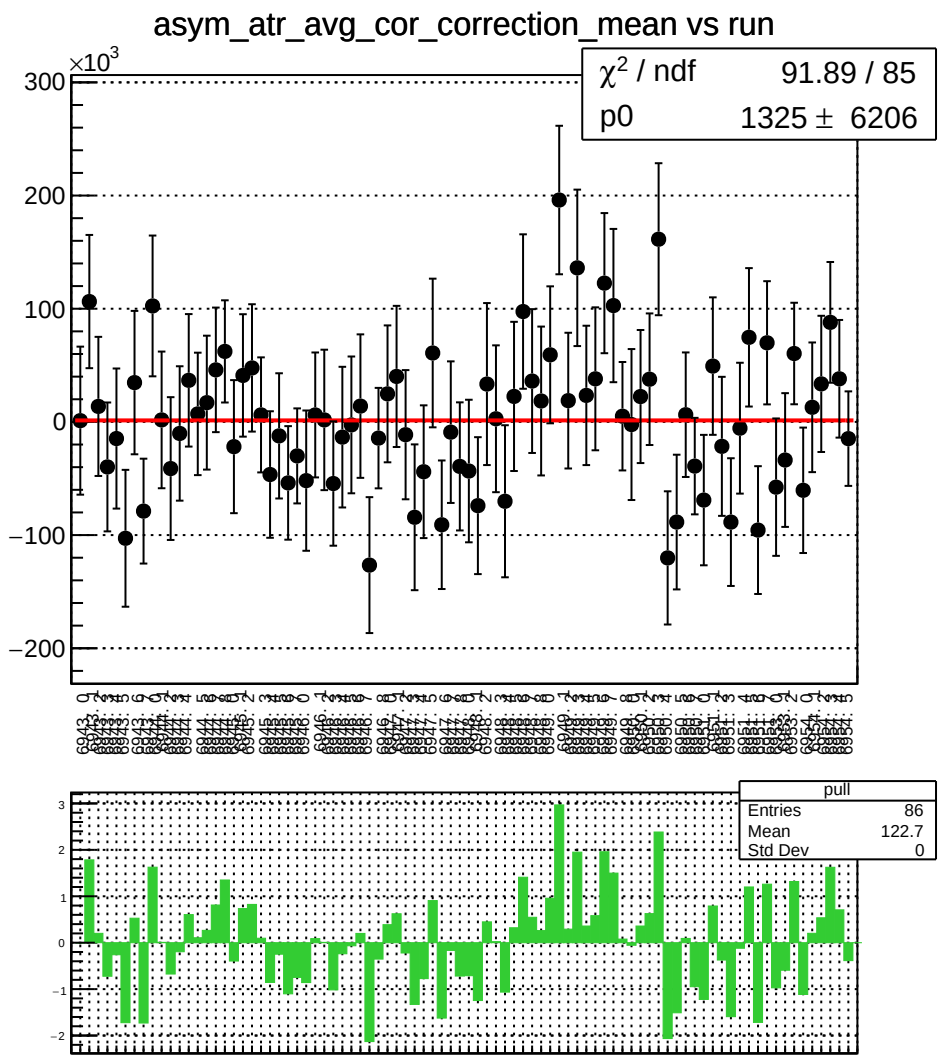

pull1D
Entries 86
Mean 0.02414
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

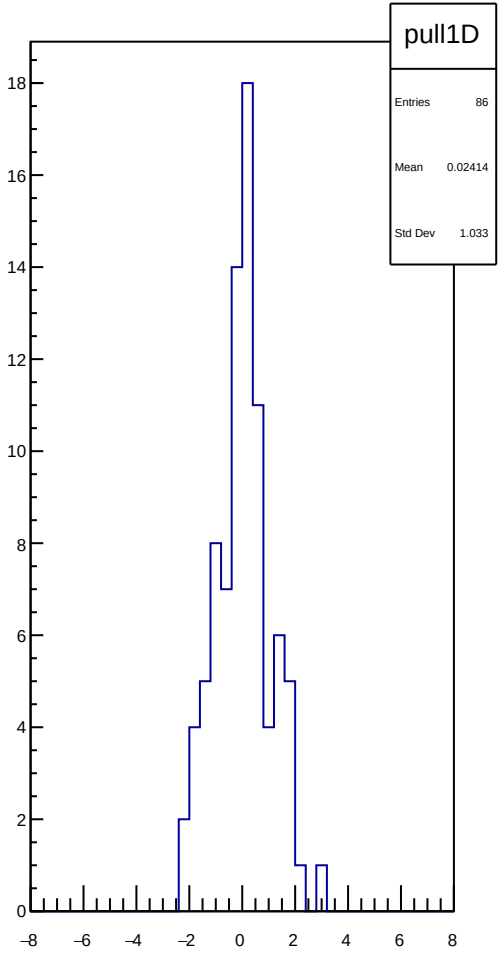

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 8030 / 85
p0 5634 ± 4.389
7000
6500
6000
5500
5000

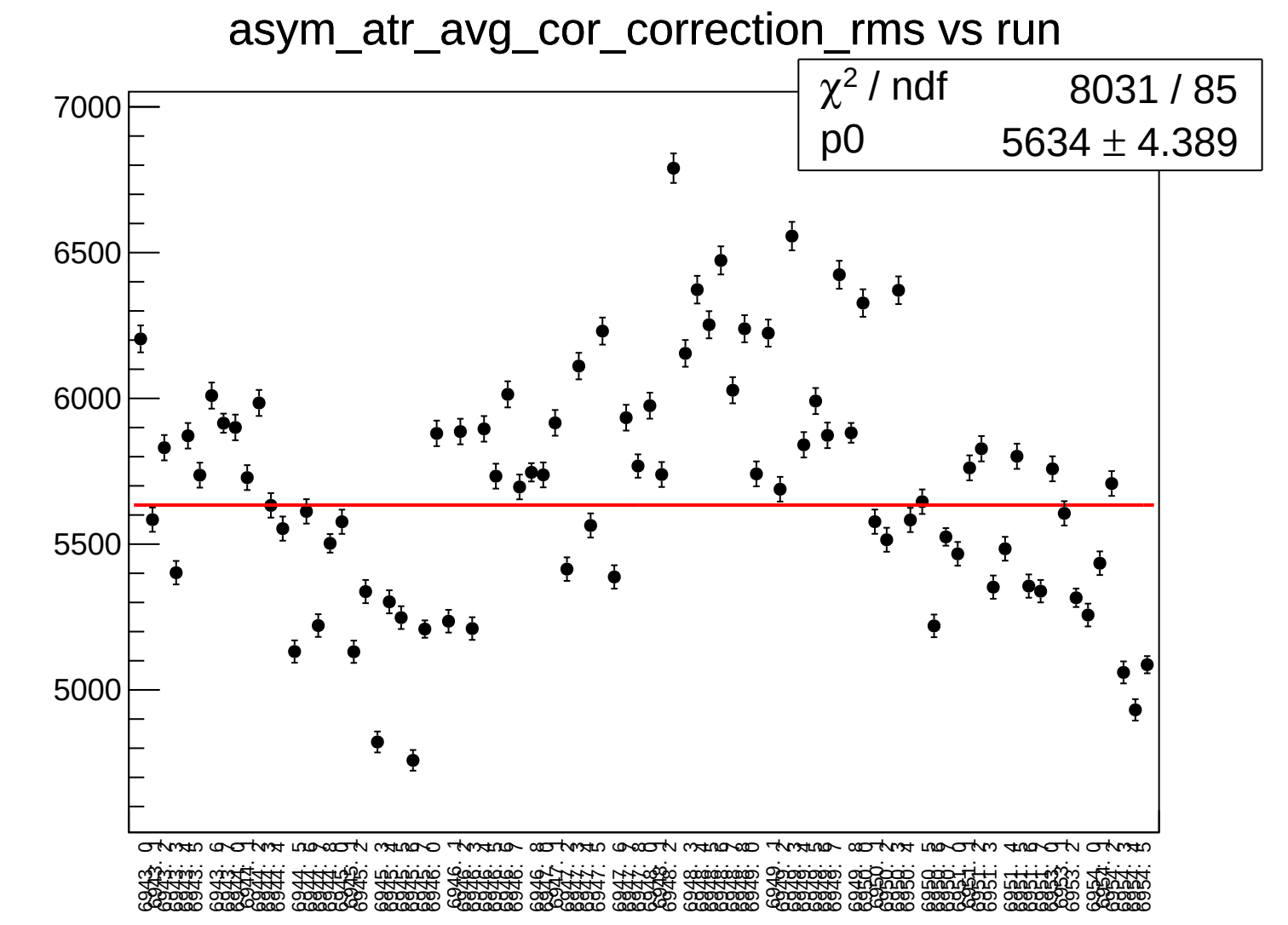

cor_asym_atr_avg_mean vs run
χ² / ndf 99.59 / 85
p0 2858 ± 2005
pull
Entries 86
Mean −138.5
Std Dev 0

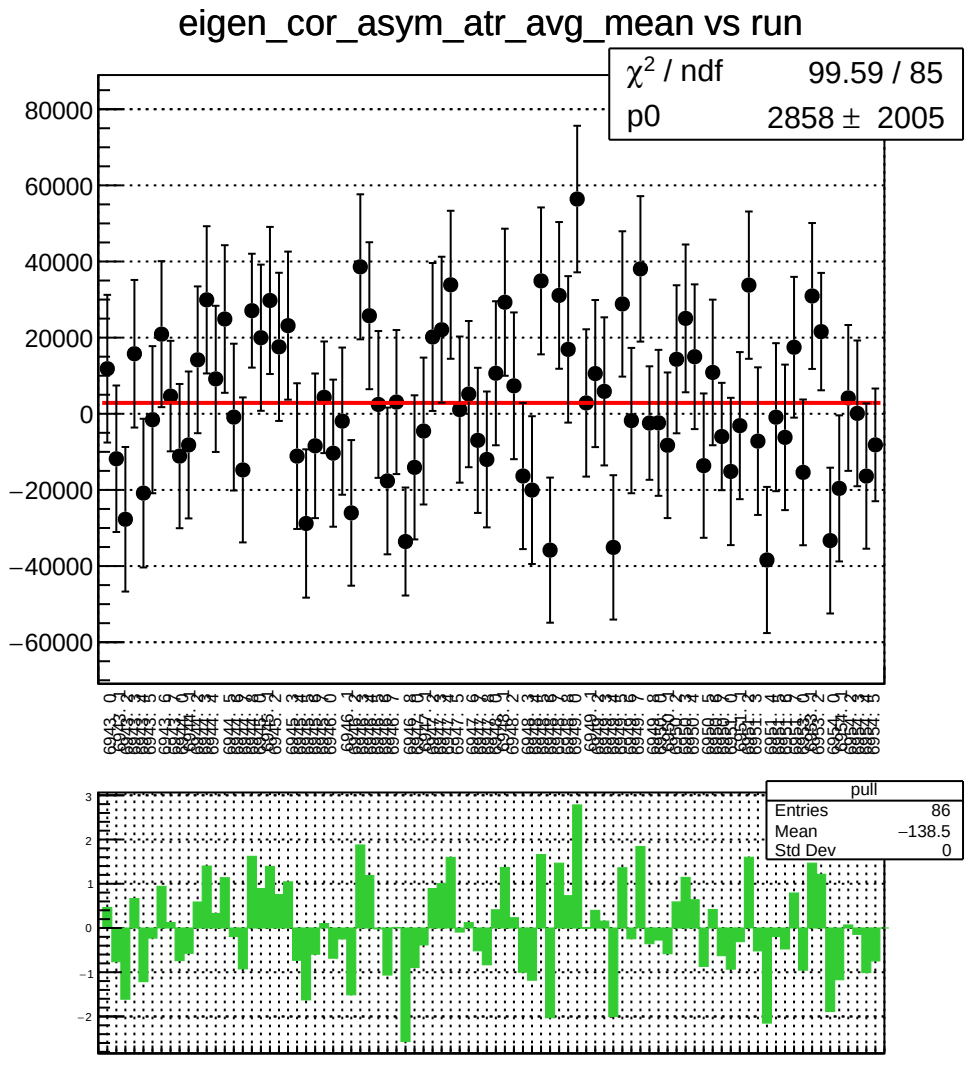

pull1D
Entries 86
Mean 0.009644
Std Dev 1.076

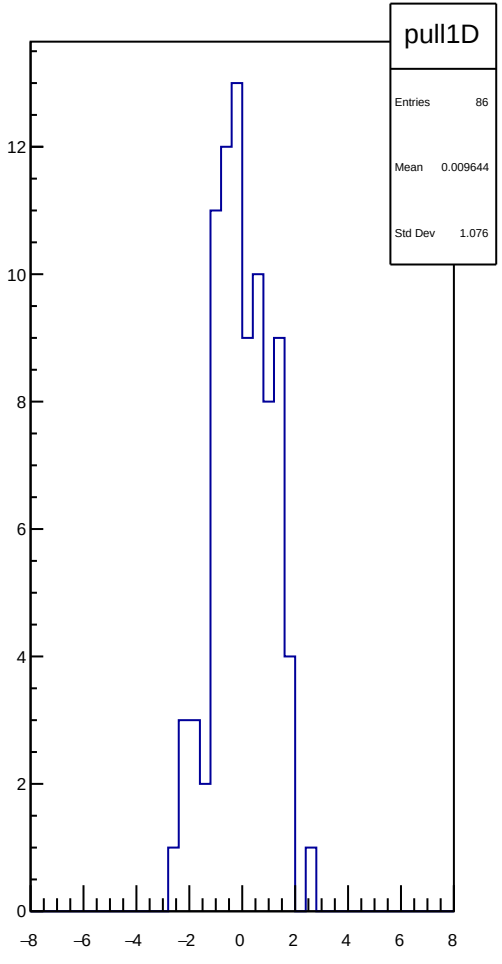

cor_asym_atr_avg_rms vs run
χ^2 / ndf 101.6 / 85
p0 1824 ± 1.417
1860
1840
1820
1800
1780

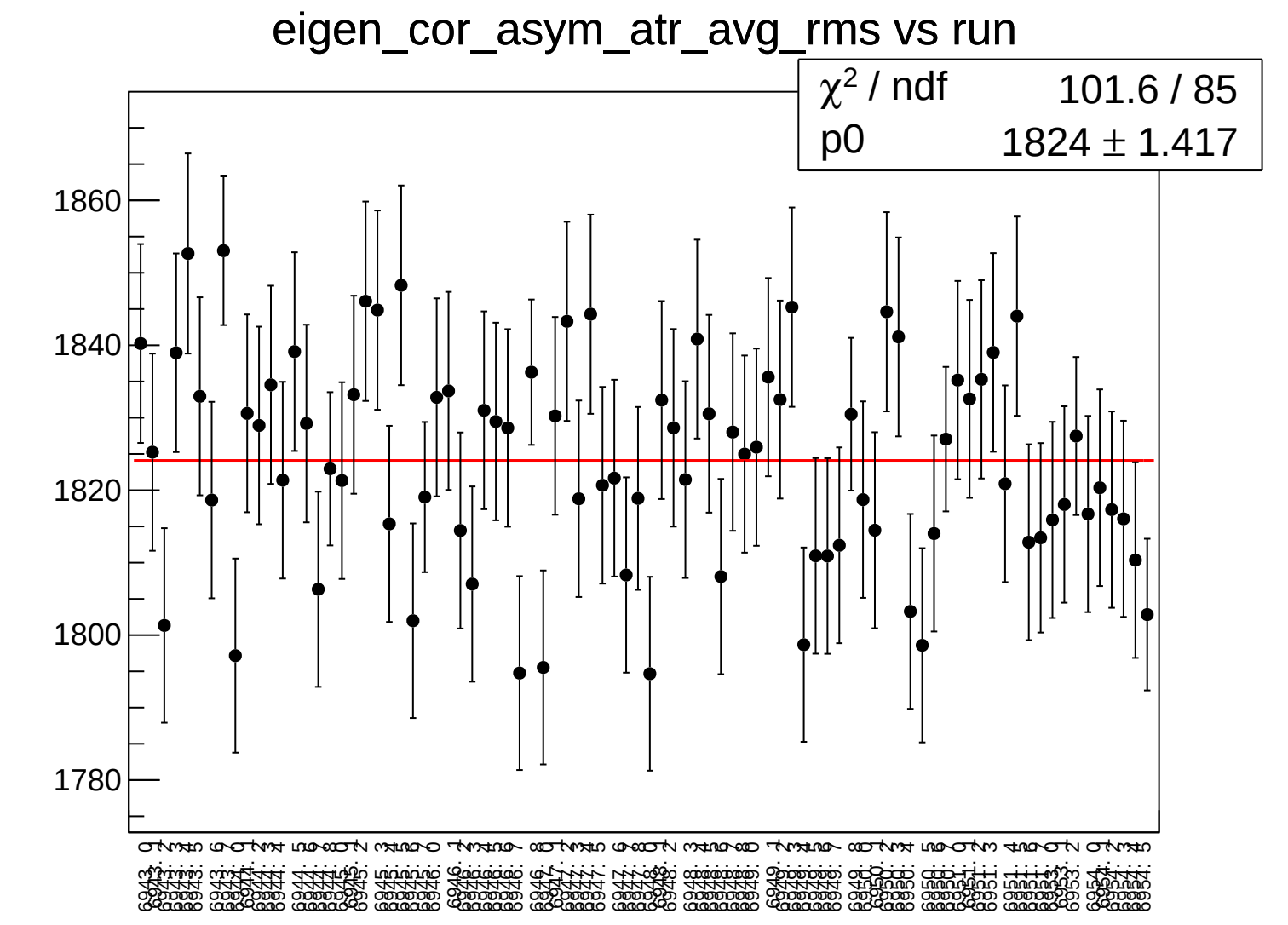

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.89 / 85
p0 1325 ± 6206
pull
Entries 86
Mean 122.7
Std Dev 0

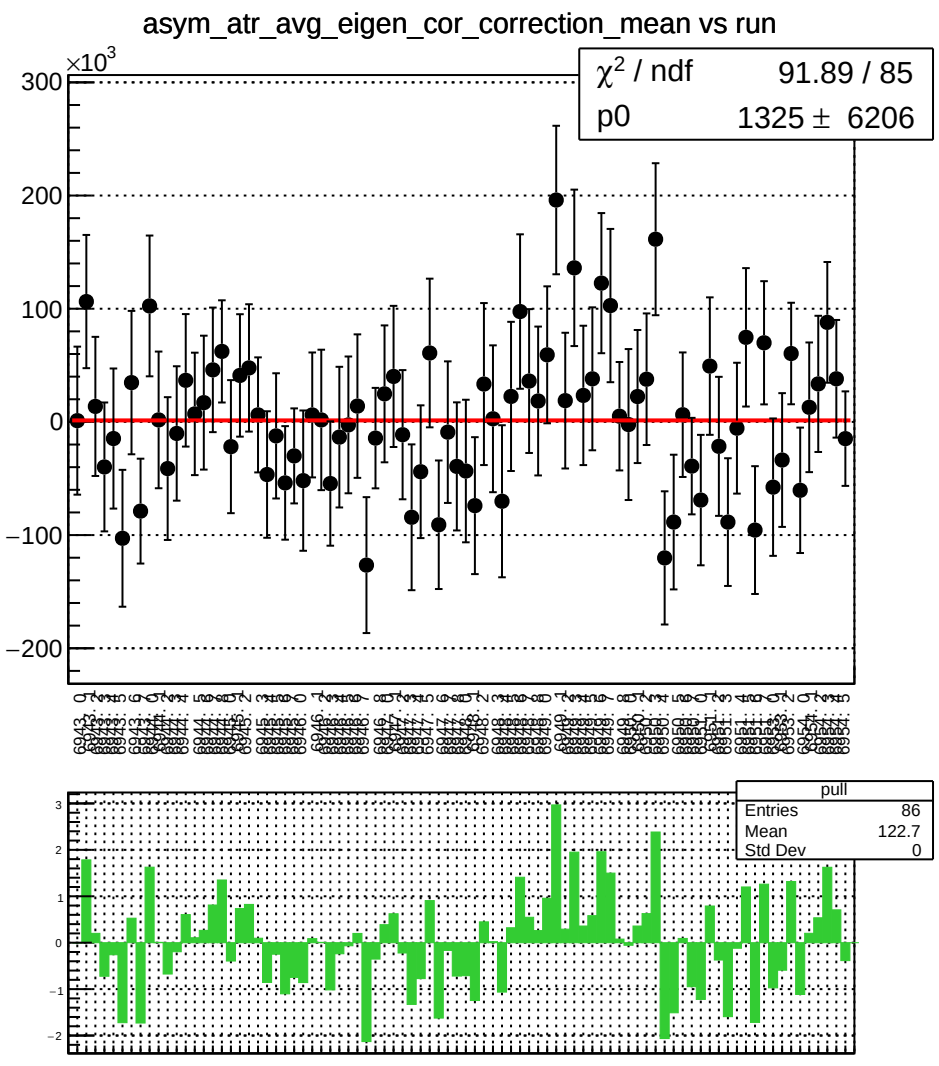

pull1D
Entries 86
Mean 0.02414
Std Dev 1.033

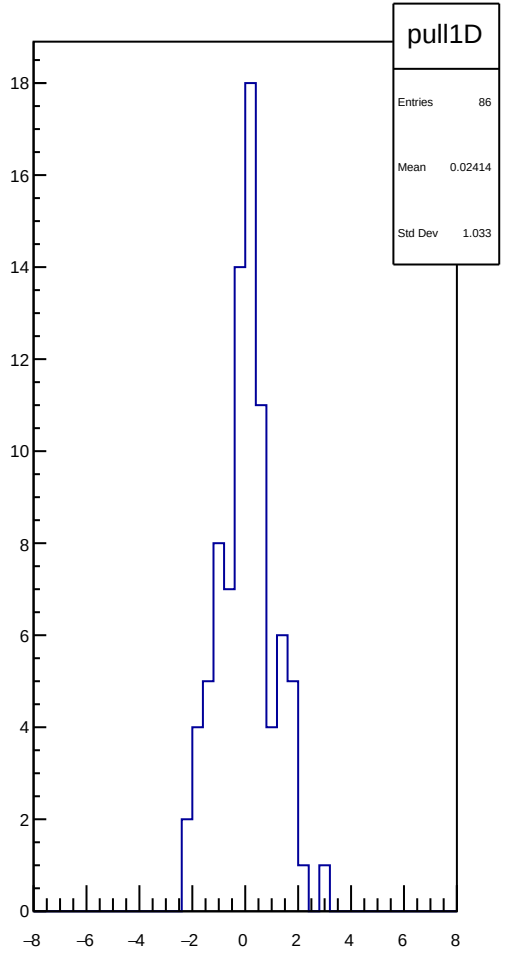

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 8031 / 85
p0 5634 ± 4.389
7000
6500
6000
5500
5000

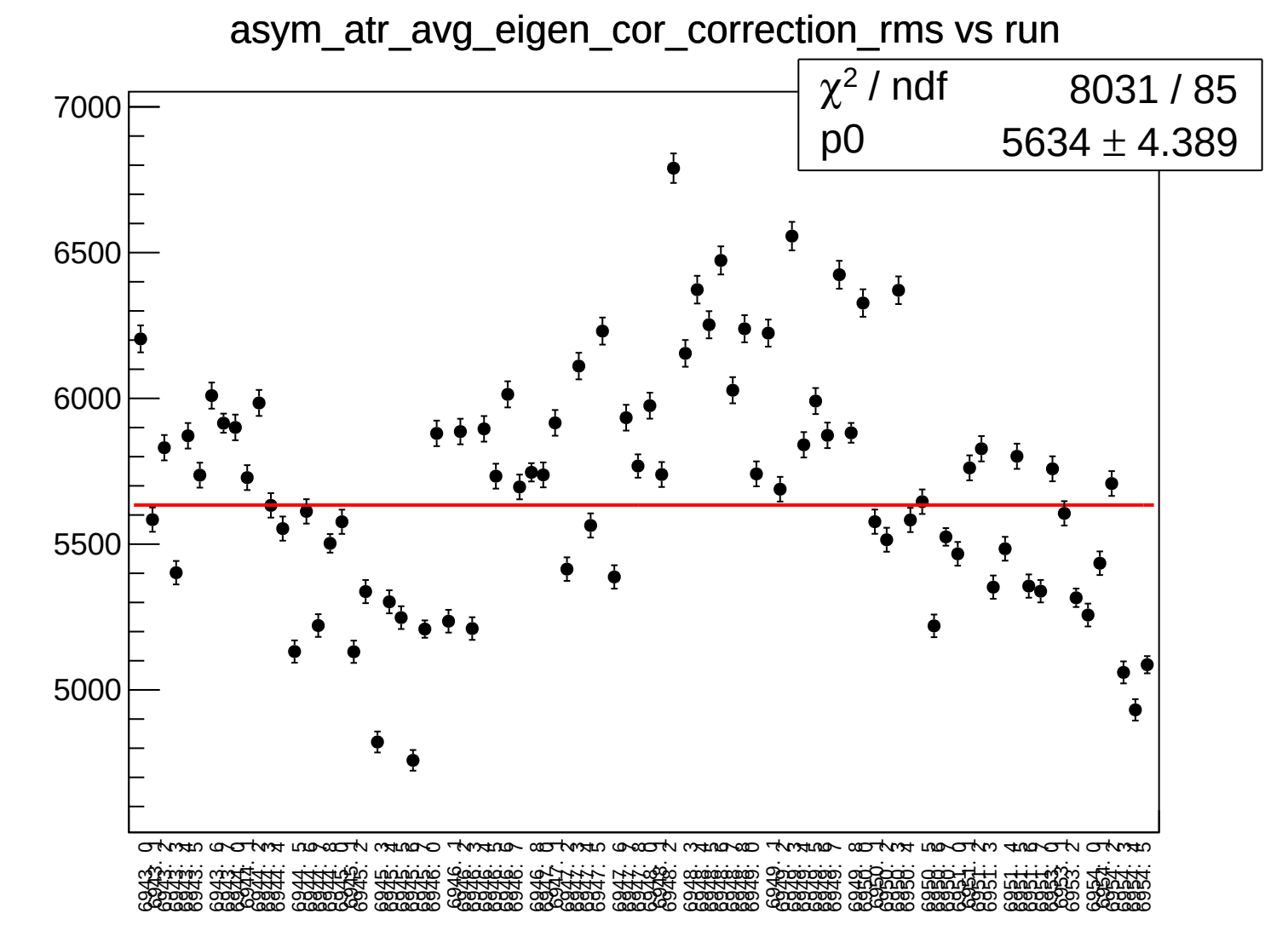

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 99.59 / 85
p0 2858 ± 2005
pull
Entries 86
Mean −138.5
Std Dev 0

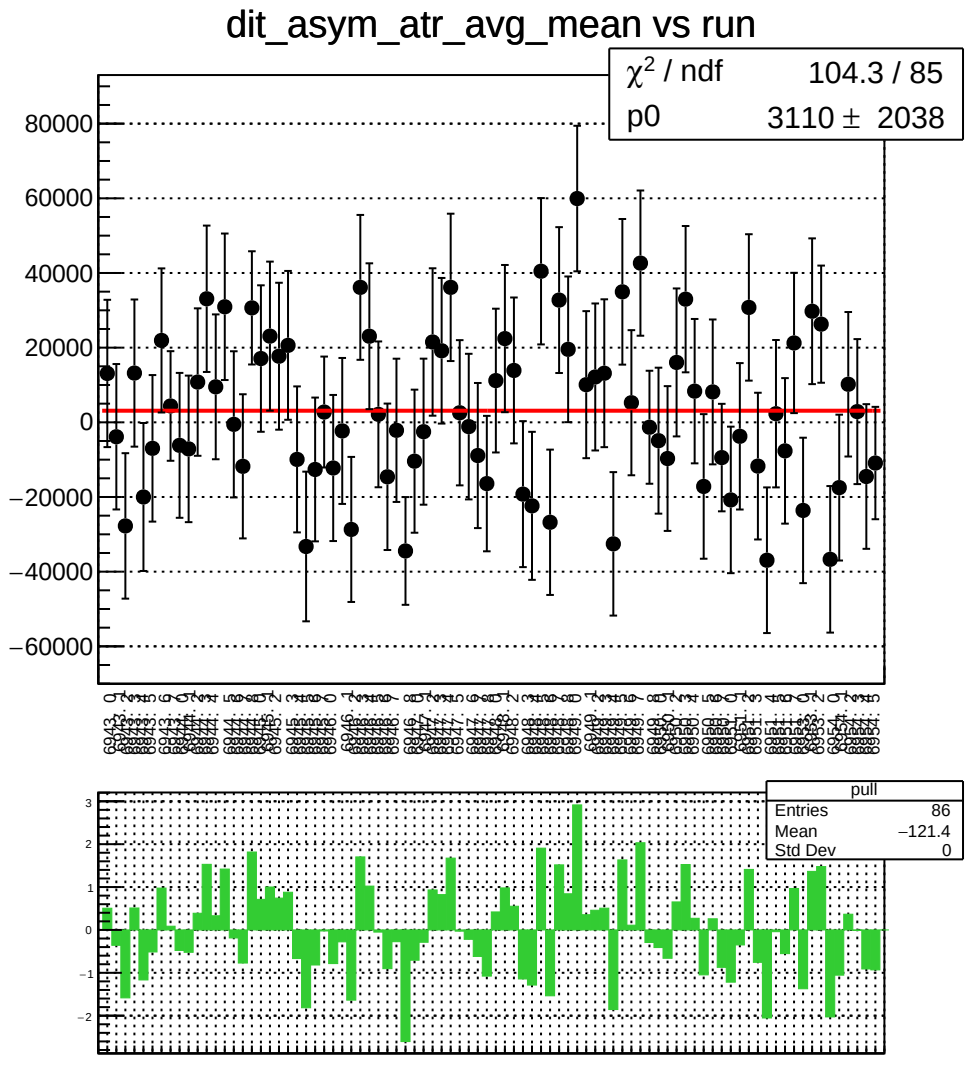

pull1D
Entries 86
Mean 0.009644
Std Dev 1.076

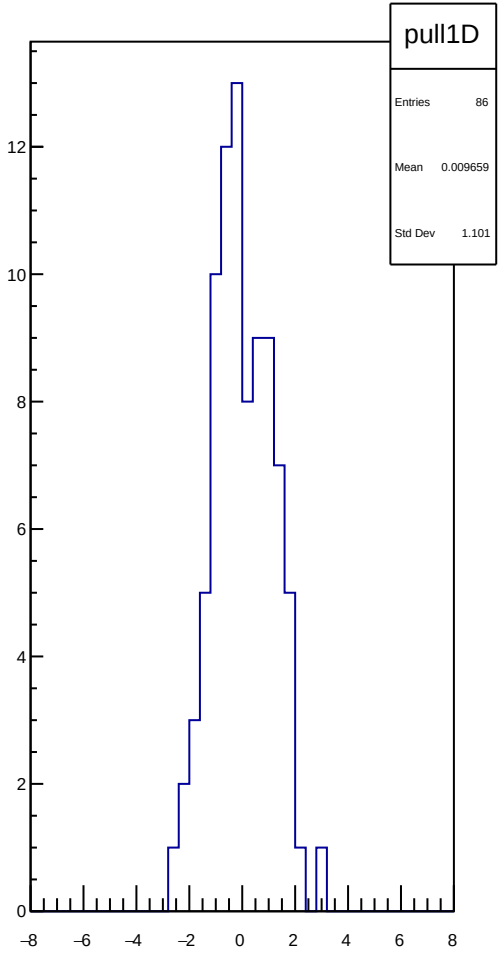

eigen_cor_asym_atr_avg_rms vs run
χ^2 / ndf 101.6 / 85
p0 1824 ± 1.417
1860
1840
1820
1800
1780

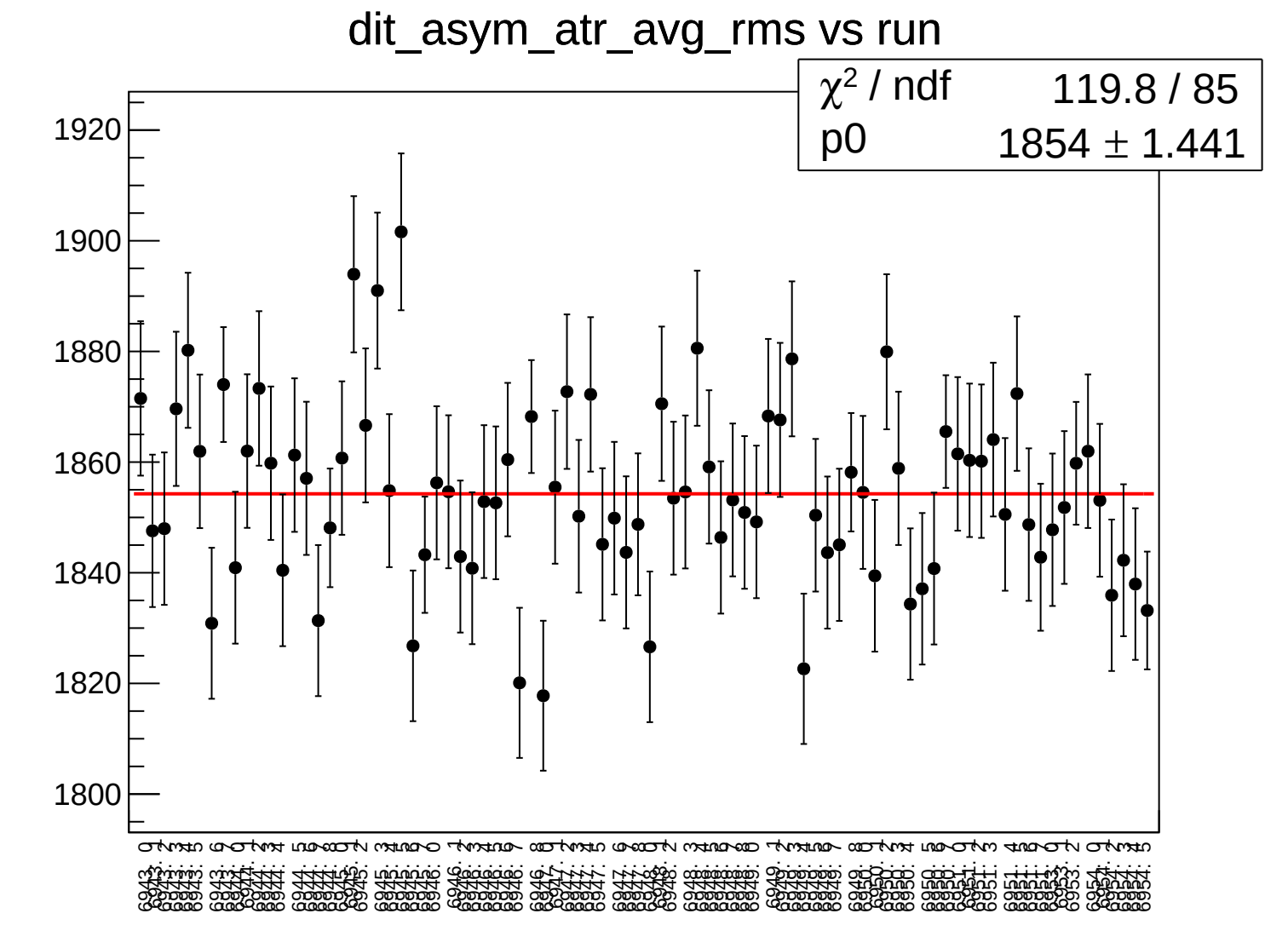

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 91.89 / 85
p0 1325 ± 6206
×10³
300
200
100
0
−100
−200
pull
Entries 86
Mean 122.7
Std Dev 0
3
2
1
0
−1
−2

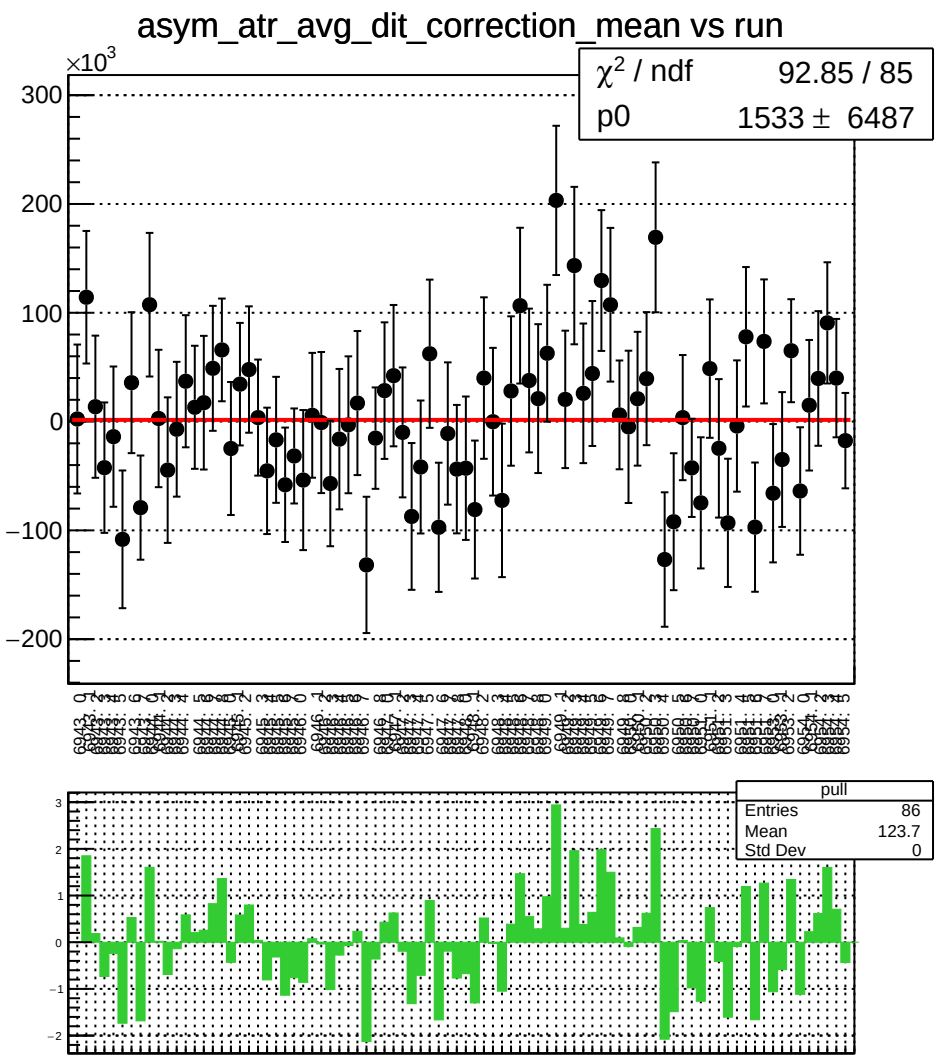

pull1D
Entries 86
Mean 0.02414
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

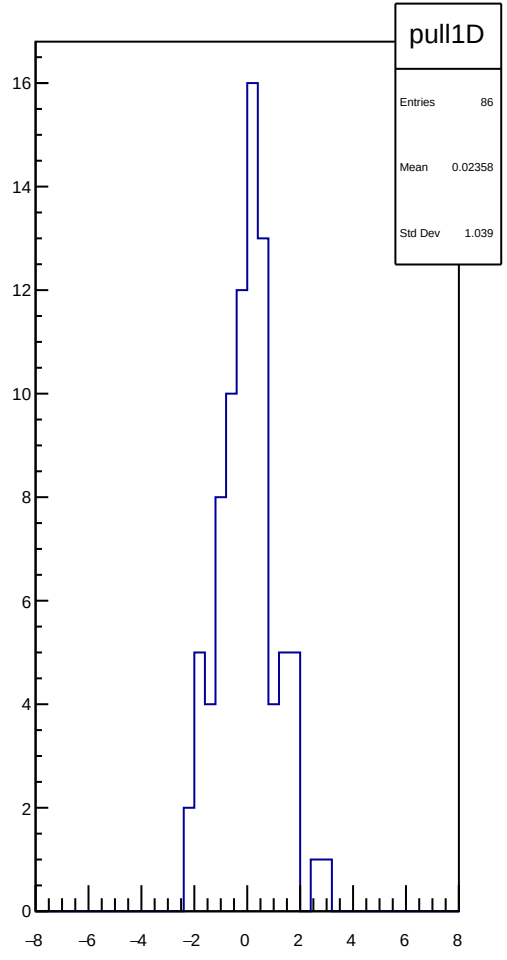

asym_atr_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 8031 / 85
p0 5634 ± 4.389
7000
6500
6000
5500
5000

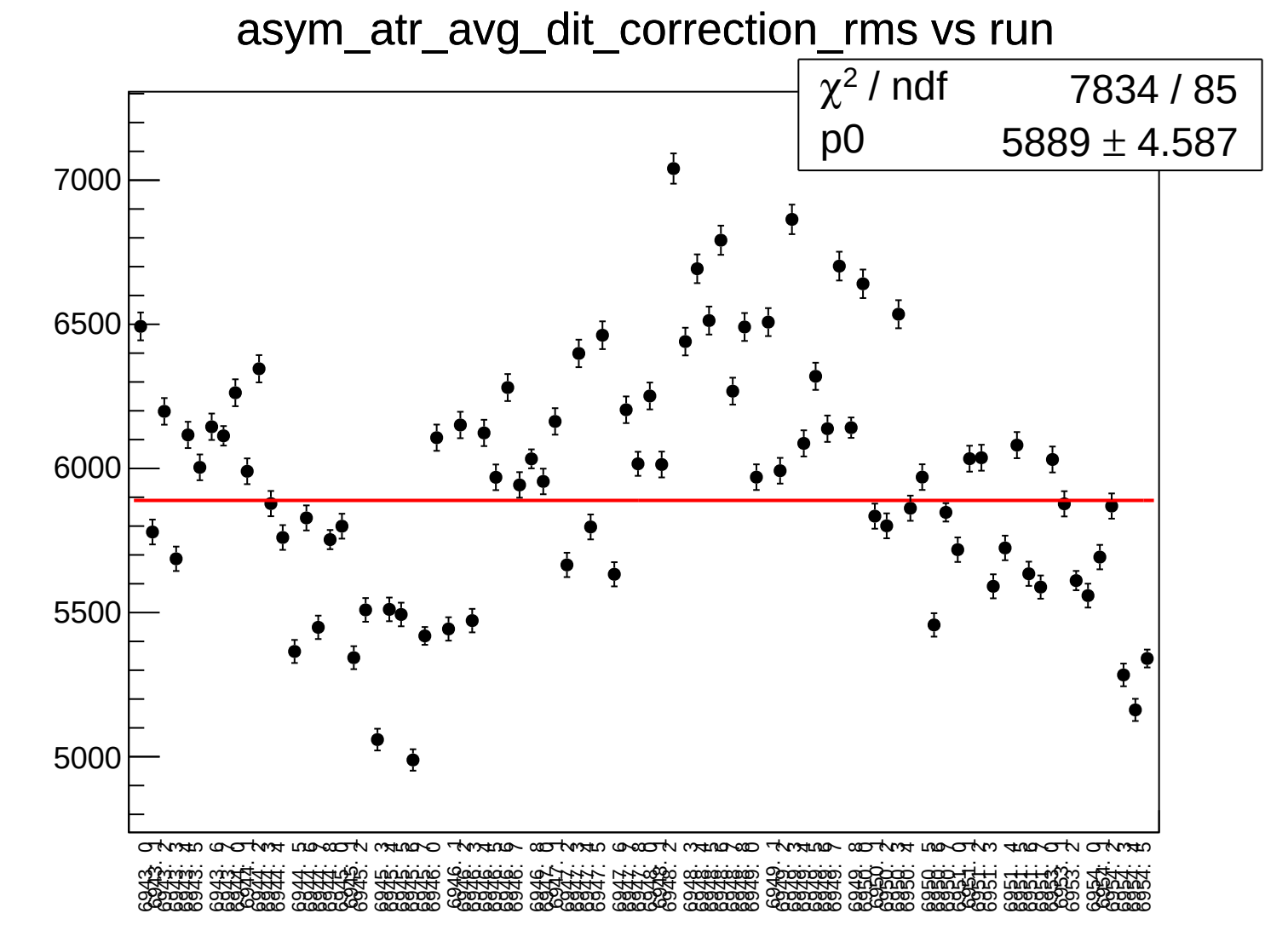

dit_asym_atr_avg_mean vs run
χ² / ndf 104.3 / 85
p0 3110 ± 2038
pull
Entries 86
Mean −121.4
Std Dev 0

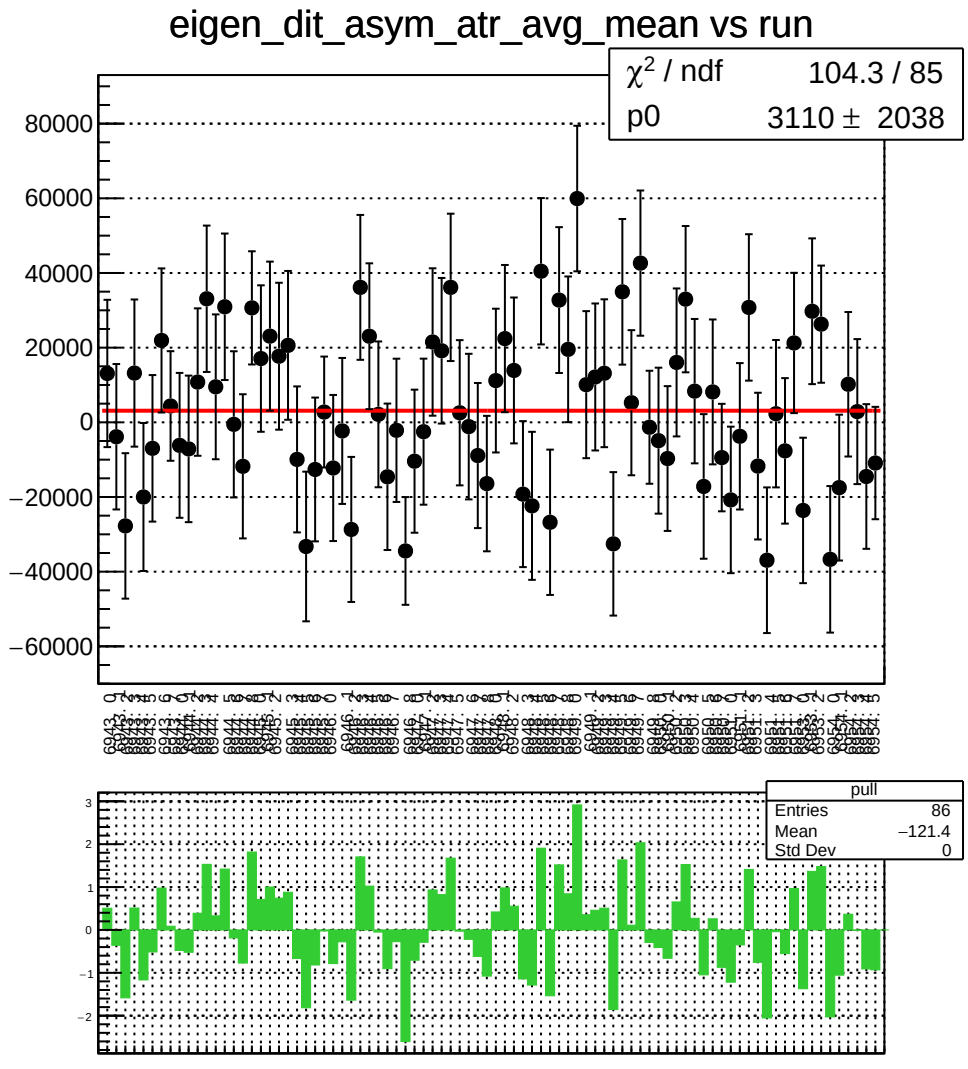

pull1D
Entries 86
Mean 0.009659
Std Dev 1.101

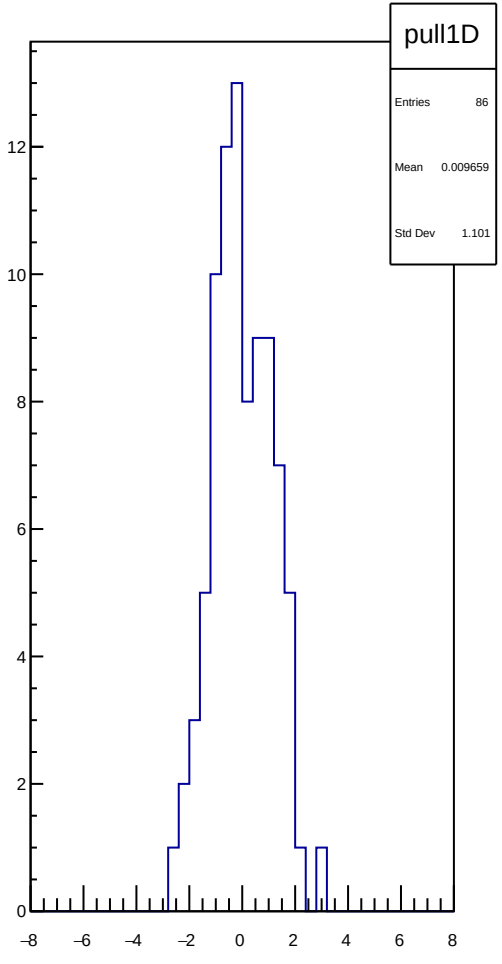

dit_asym_atr_avg_rms vs run
χ² / ndf 119.8 / 85
p0 1854 ± 1.441
1920
1900
1880
1860
1840
1820
1800

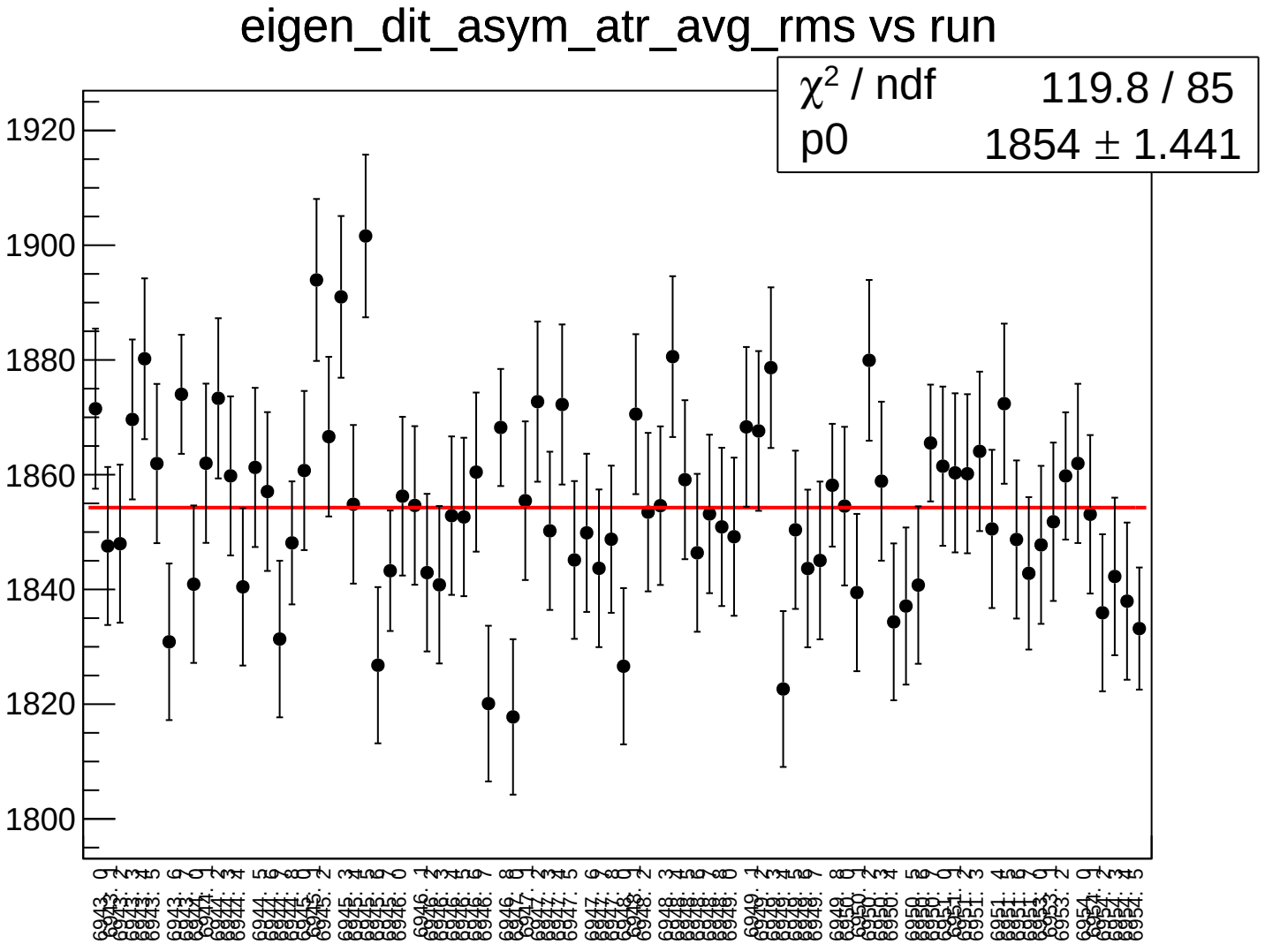

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.85 / 85
p0 1533 ± 6487
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.7
Std Dev 0
3
2
1
0
−1
−2

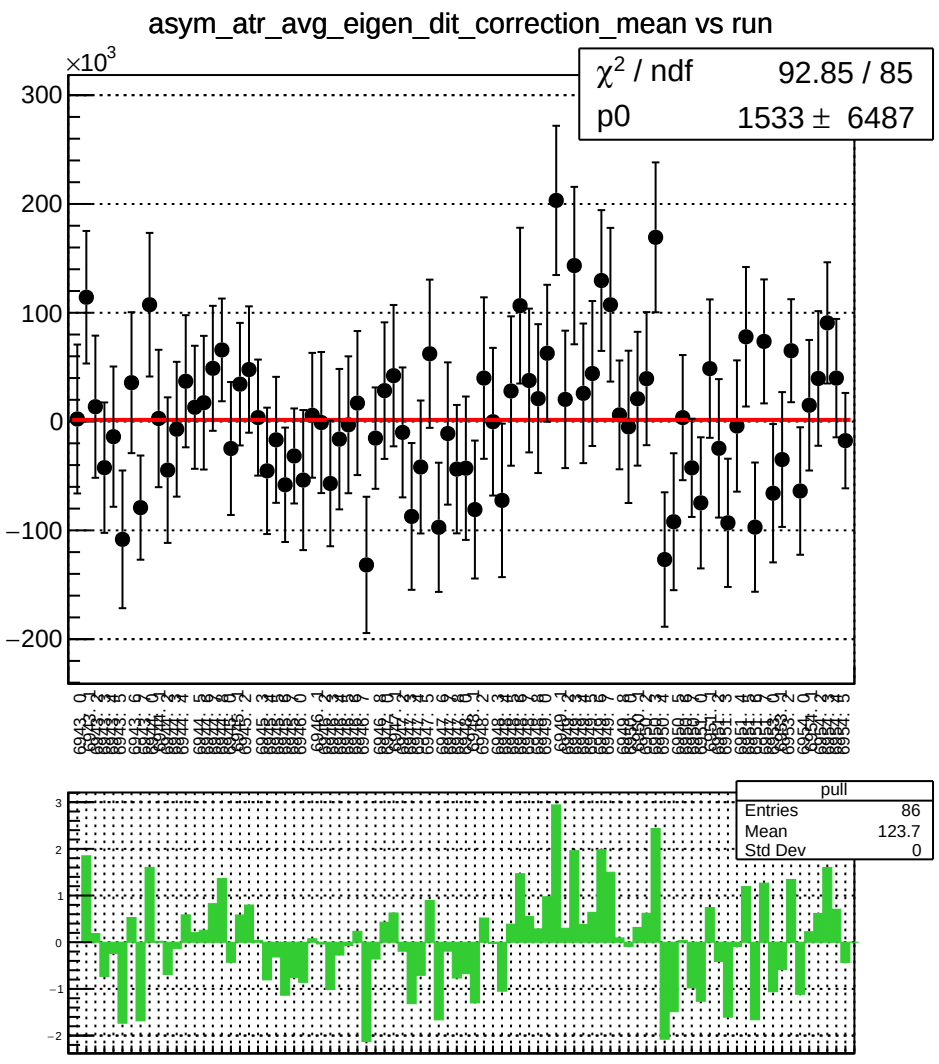

pull1D
Entries 86
Mean 0.02358
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

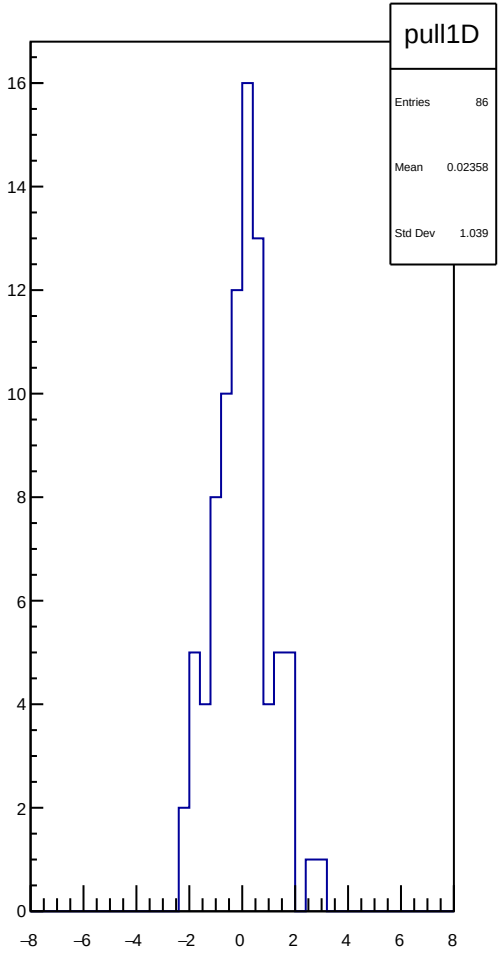

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 7834 / 85
p0 5889 ± 4.587
7000
6500
6000
5500
5000

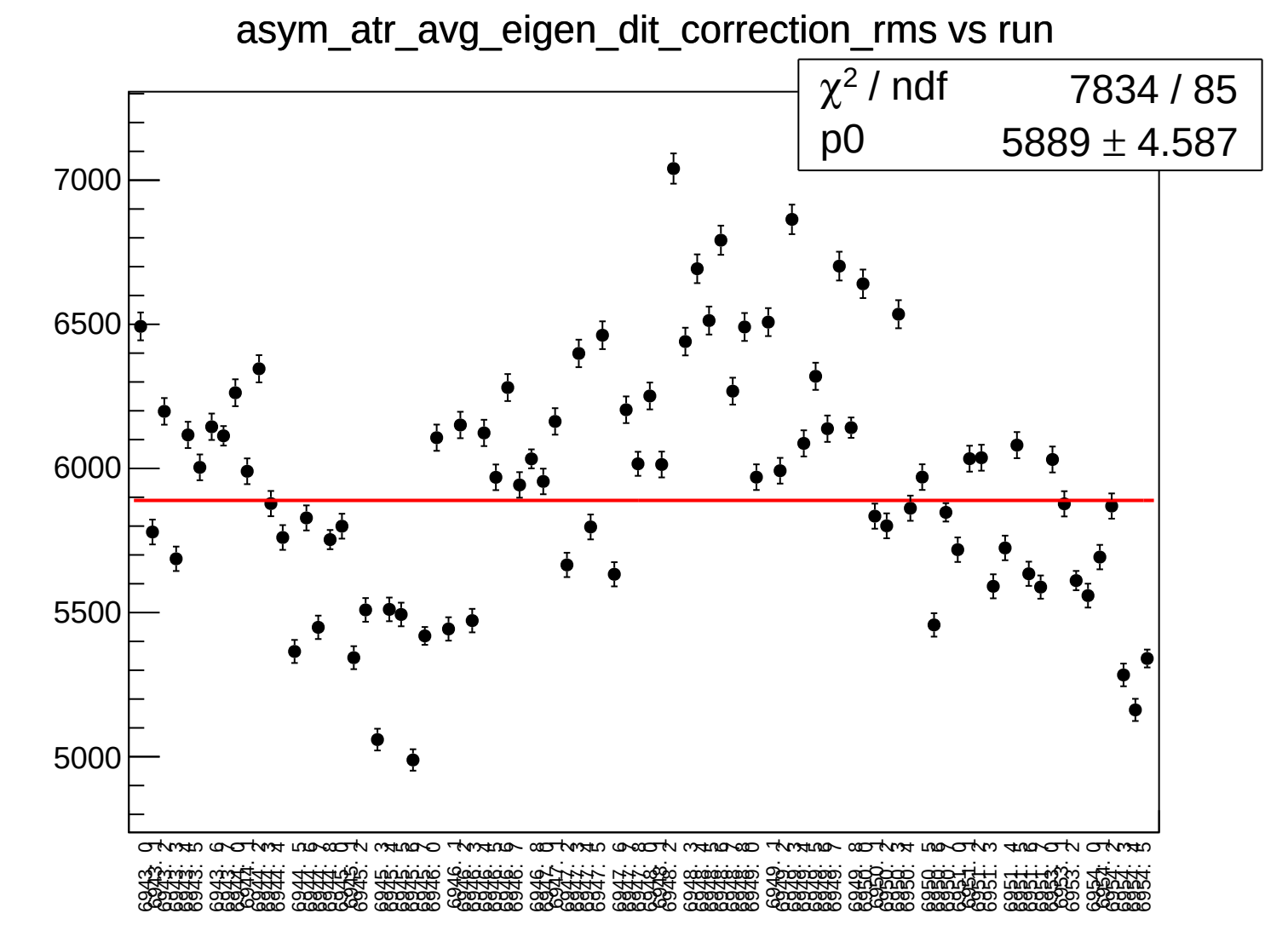

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 104.3 / 85
p0 3110 ± 2038
pull
Entries 86
Mean −121.4
Std Dev 0

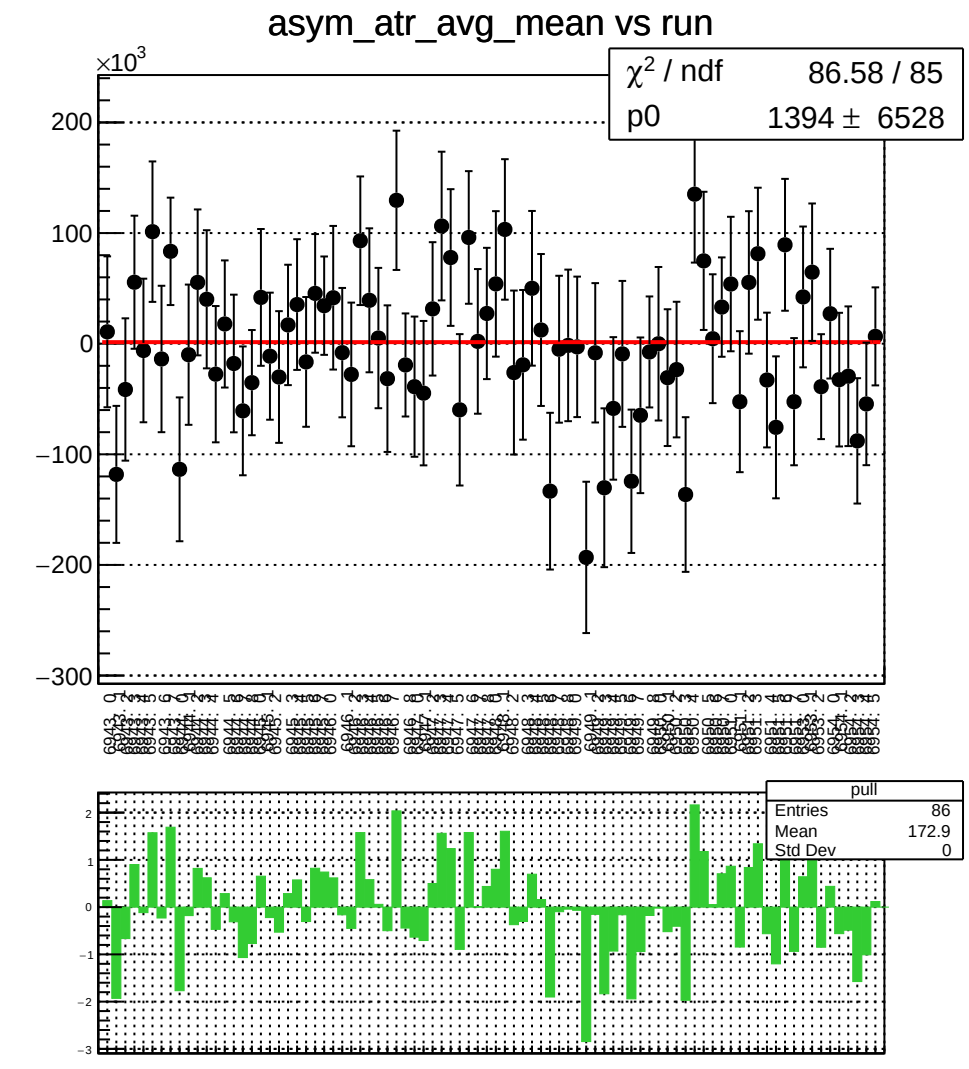

pull1D
Entries 86
Mean 0.009659
Std Dev 1.101

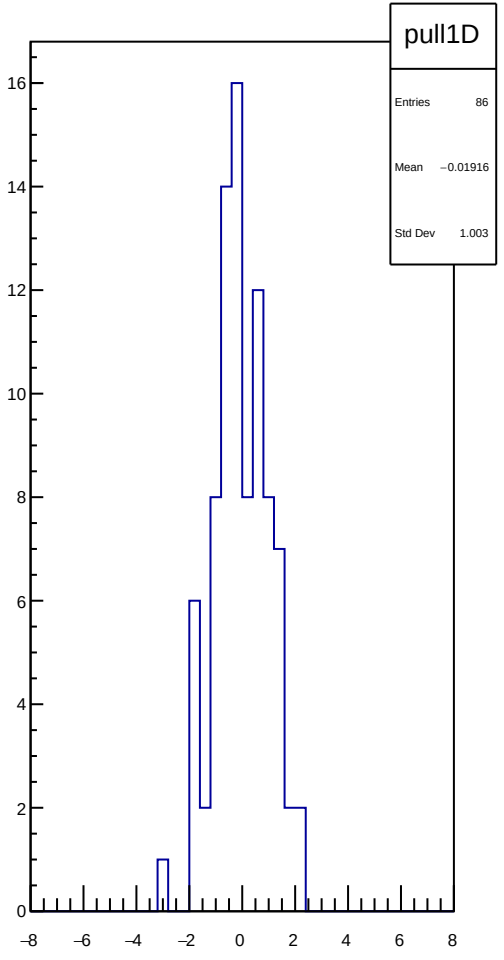

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 119.8 / 85
p0 1854 ± 1.441
1920
1900
1880
1860
1840
1820
1800

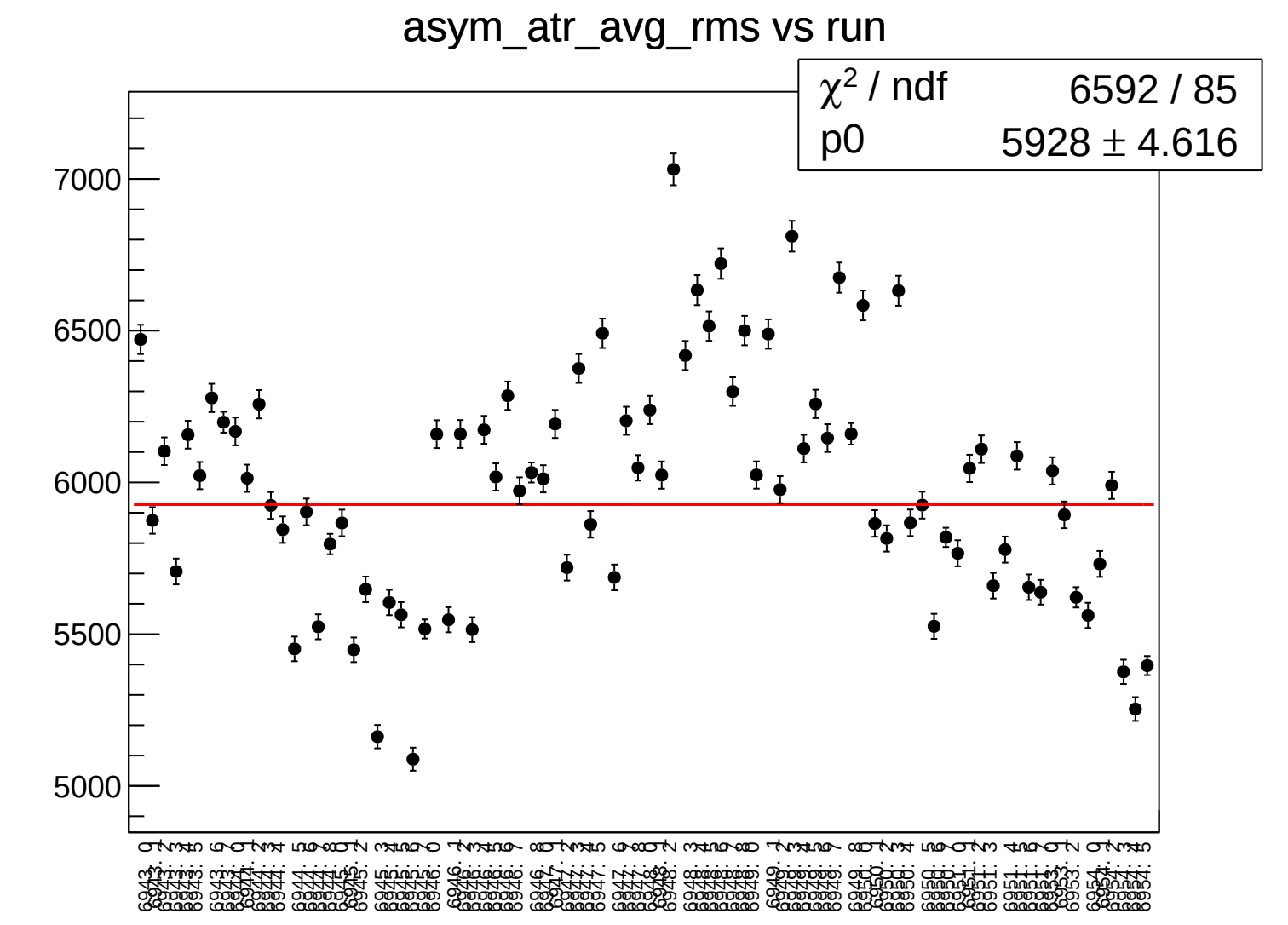

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.85 / 85
p0 1533 ± 6487
pull
Entries 86
Mean 123.7
Std Dev 0

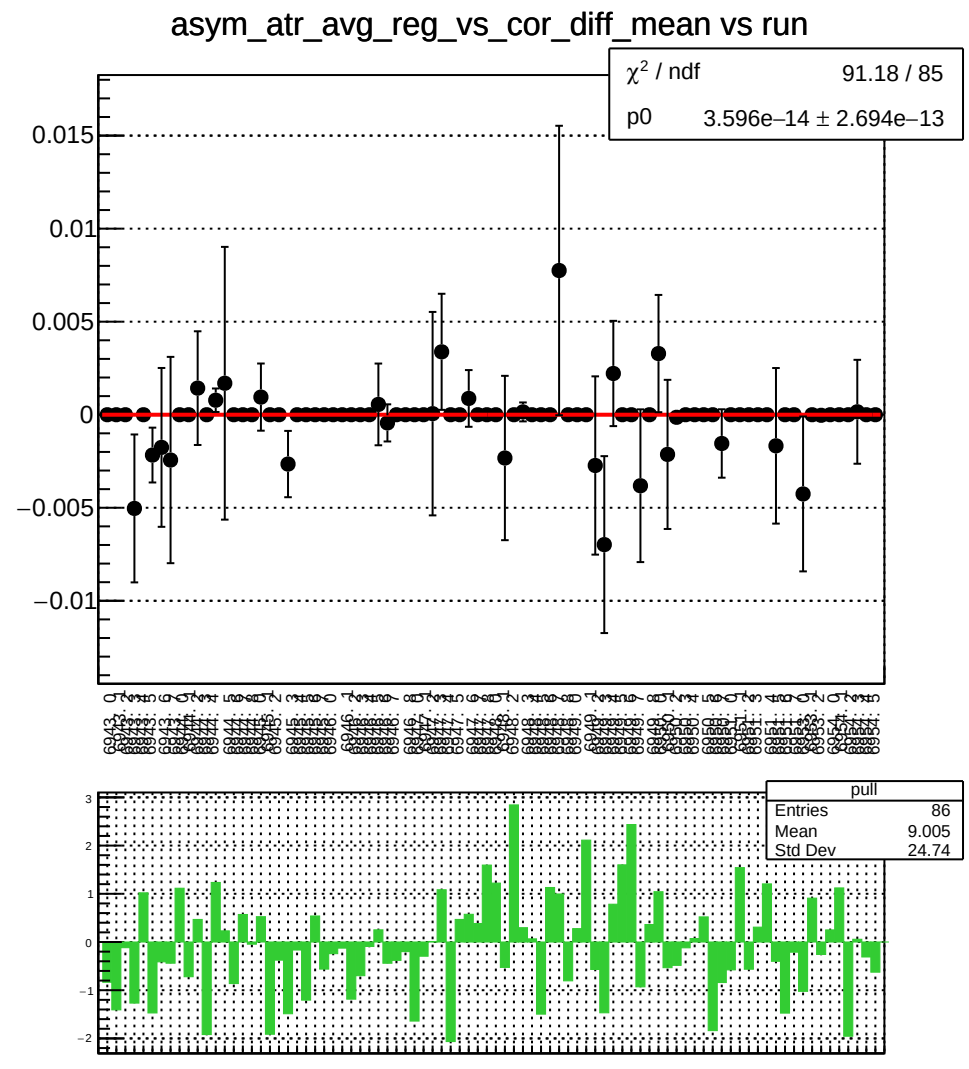

pull1D
Entries 86
Mean 0.02358
Std Dev 1.039

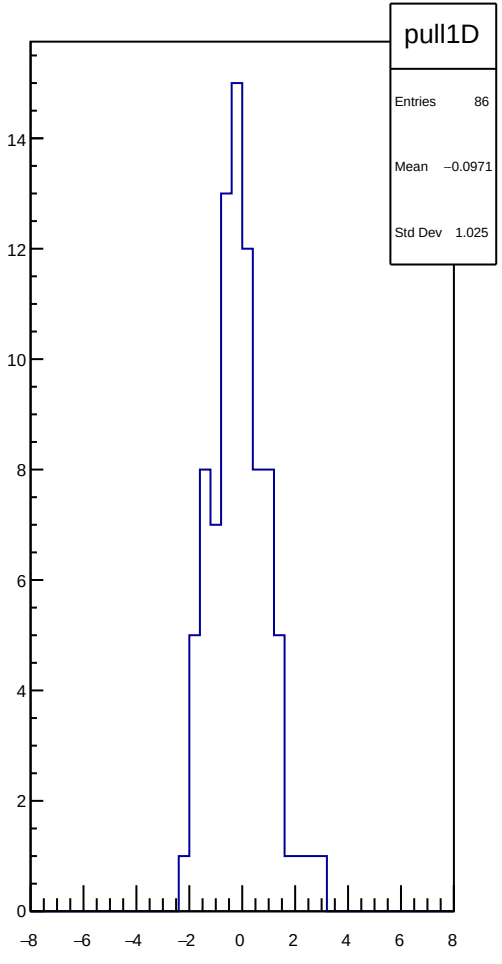

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 7834 / 85
p0 5889 ± 4.587
7000
6500
6000
5500
5000

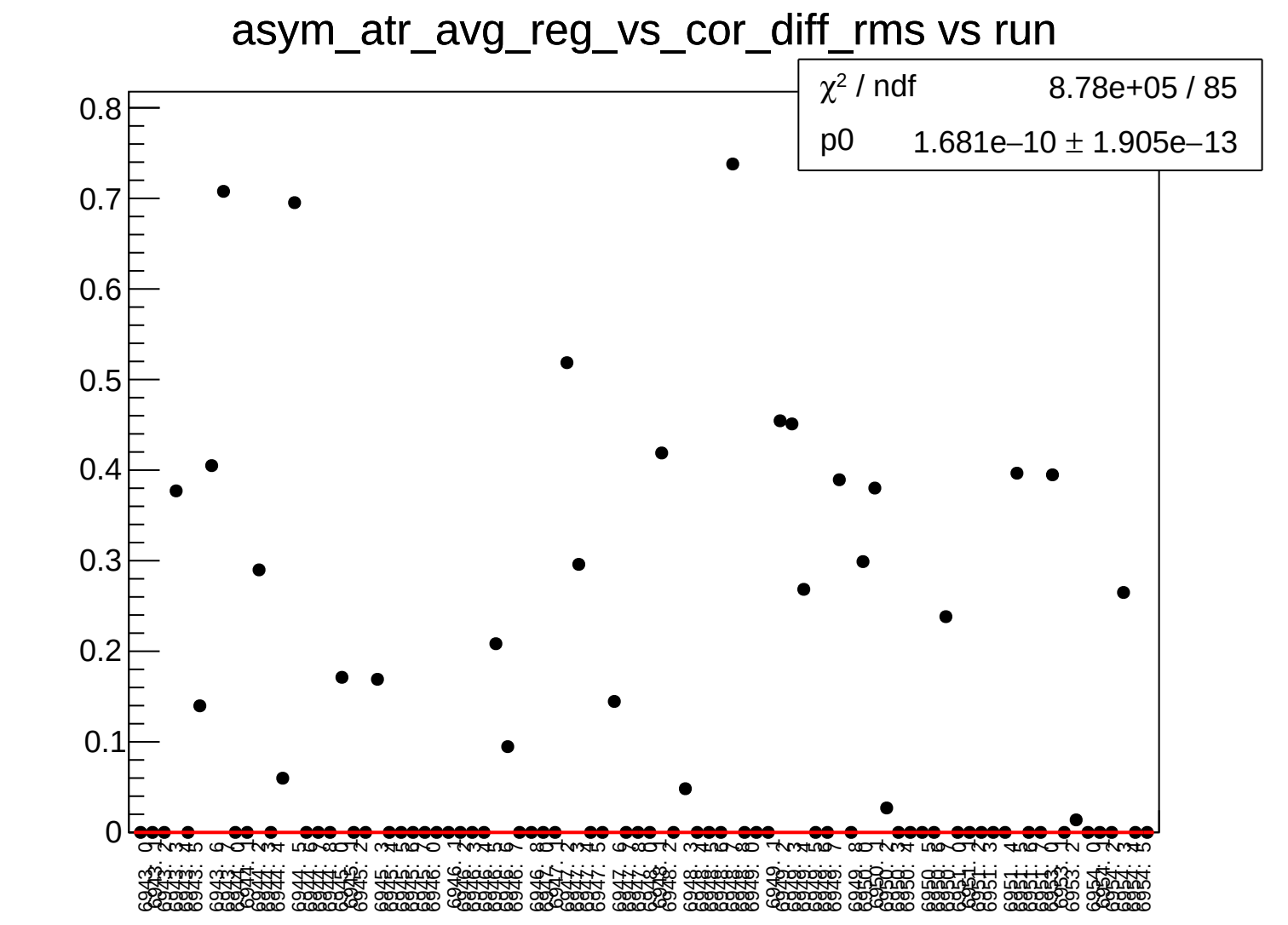

asym_atr_avg_mean vs run
×10^3
χ² / ndf 86.58 / 85
p0 1394 ± 6528
pull
Entries 86
Mean 172.9
Std Dev 0

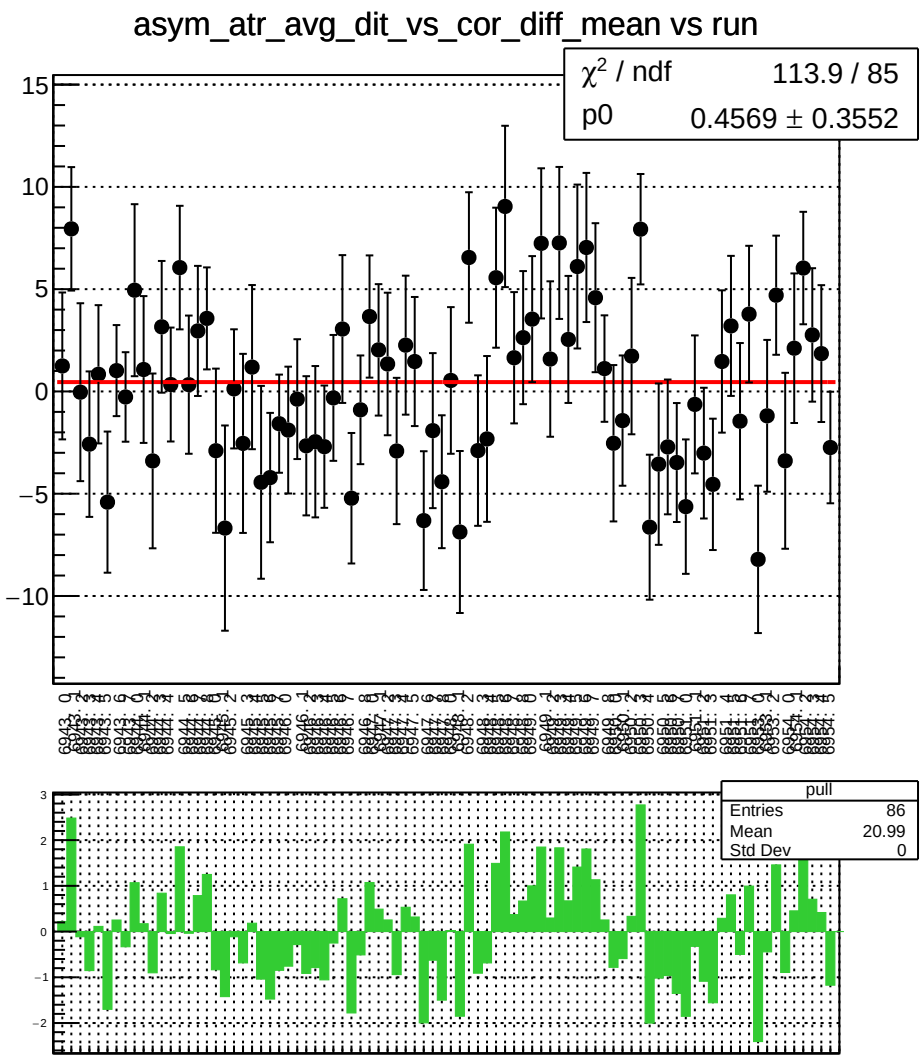

pull1D
Entries 86
Mean −0.01916
Std Dev 1.003

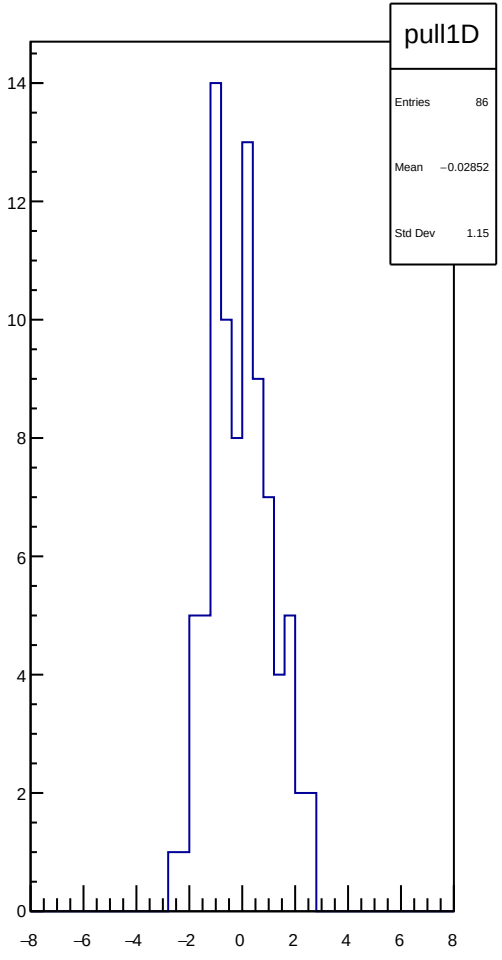

asym_atr_avg_rms vs run
χ² / ndf 6592 / 85
p0 5928 ± 4.616
7000
6500
6000
5500
5000

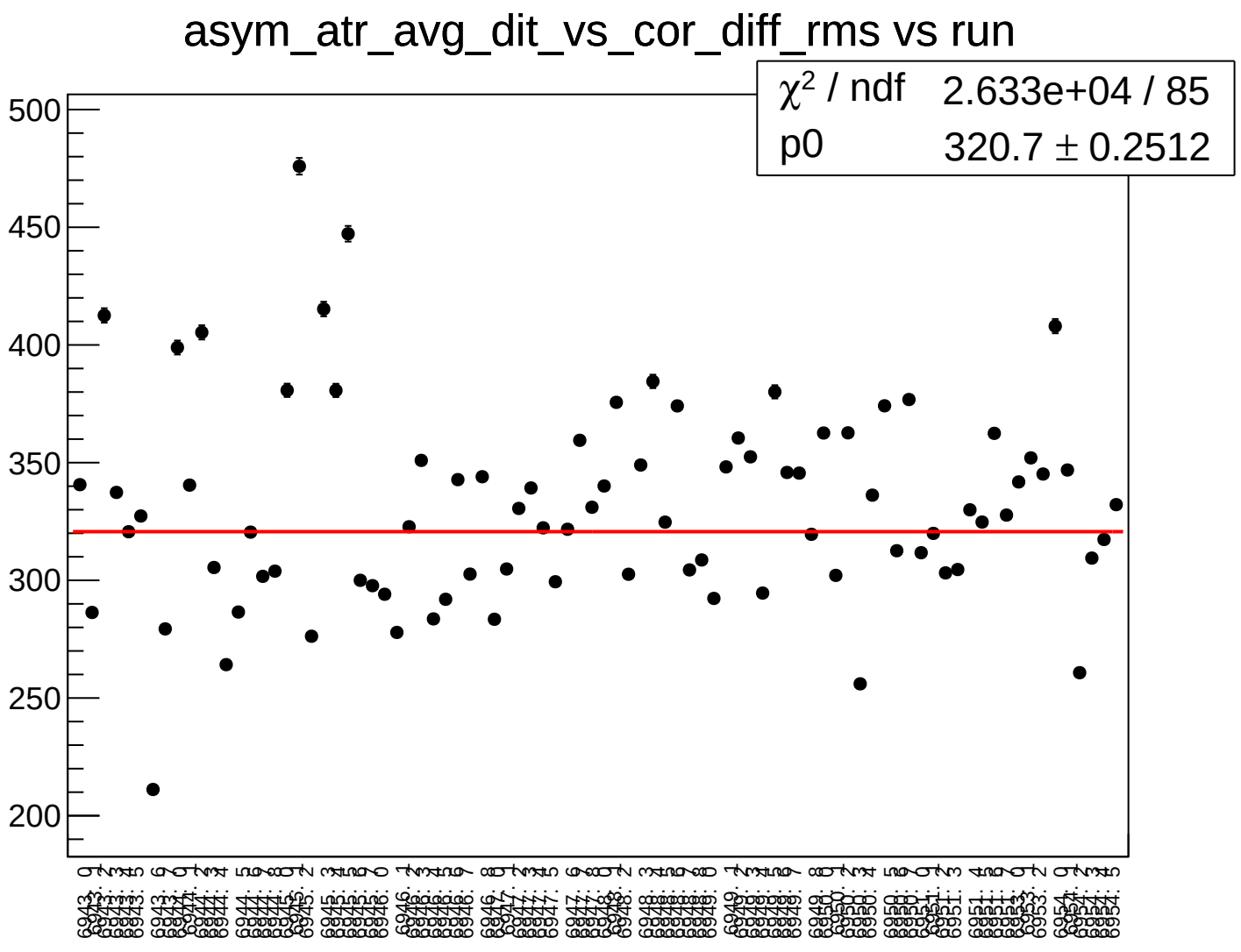

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.18 / 85
p0 3.596e−14 ± 2.694e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 86
Mean 9.005
Std Dev 24.74
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.0971
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

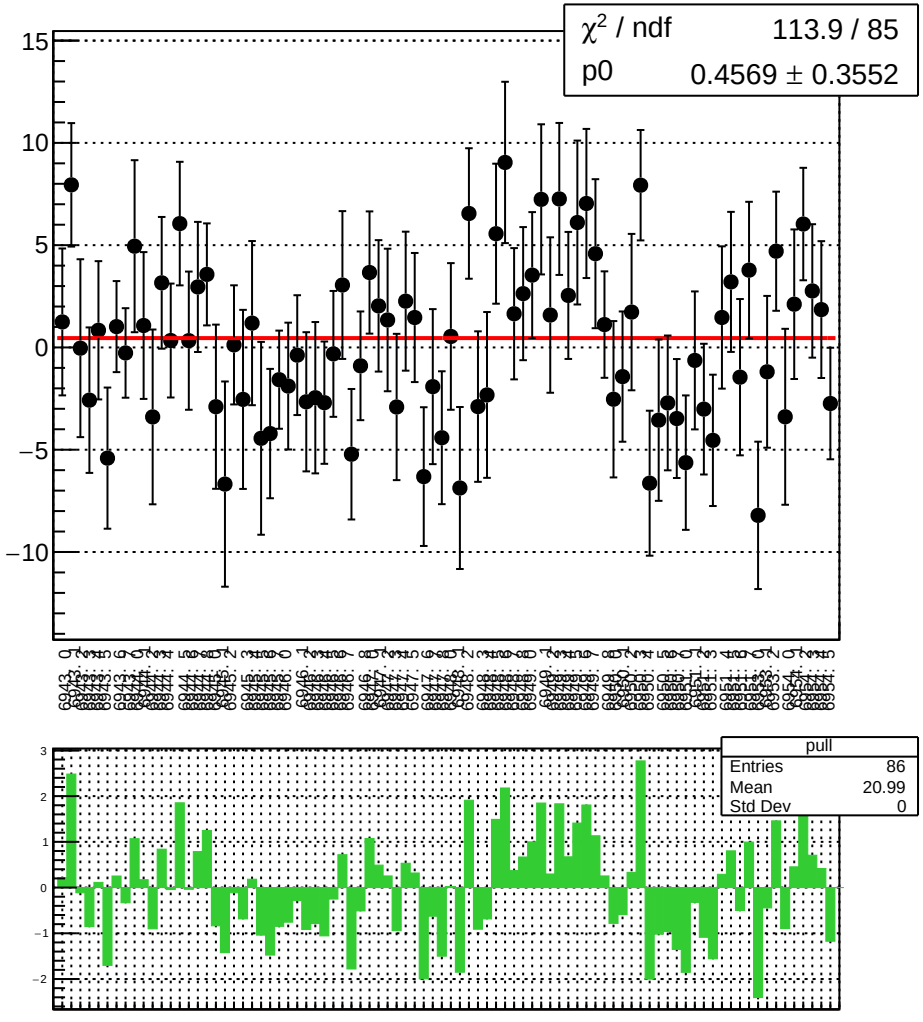

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.78e+05 / 85
p0 1.681e−10 ± 1.905e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

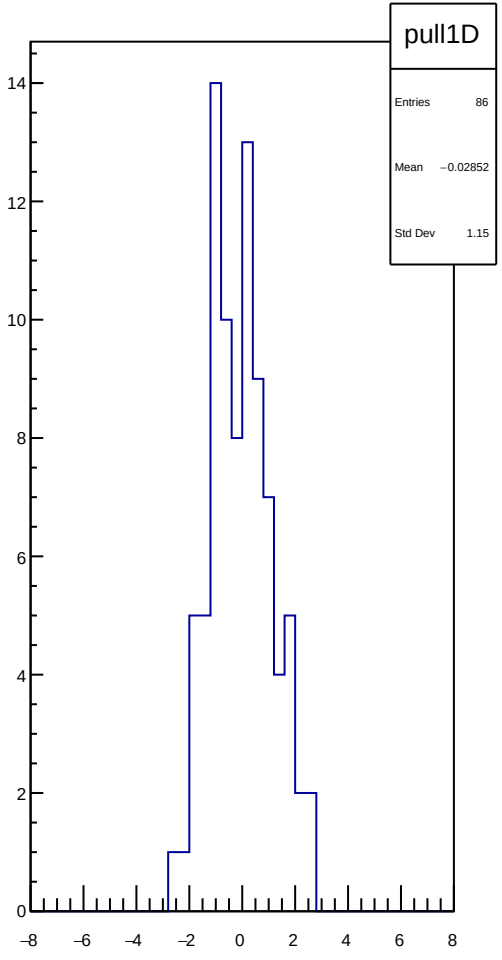

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 113.9 / 85
p0 0.4569 ± 0.3552
pull
Entries 86
Mean 20.99
Std Dev 0

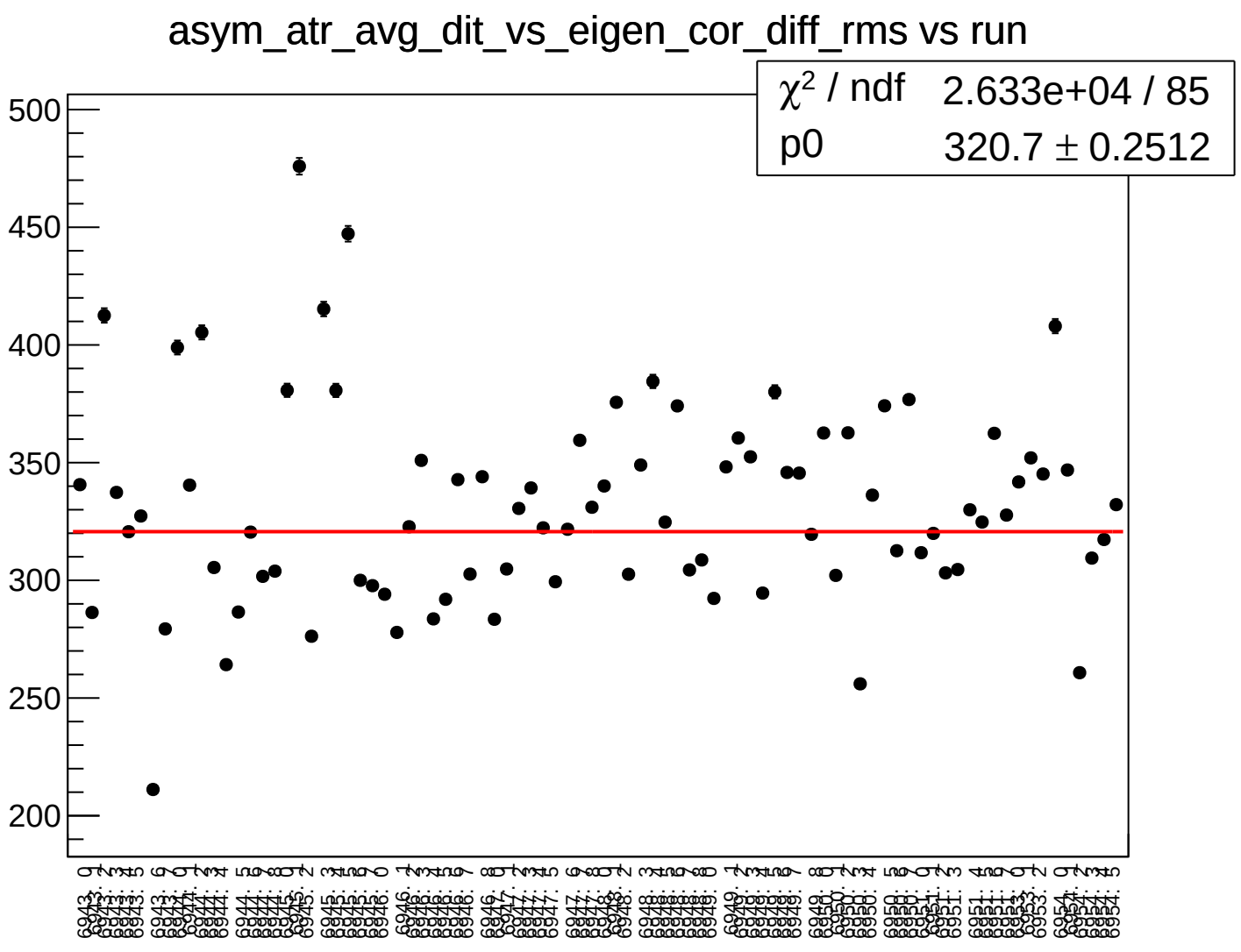

pull1D
Entries 86
Mean −0.02852
Std Dev 1.15

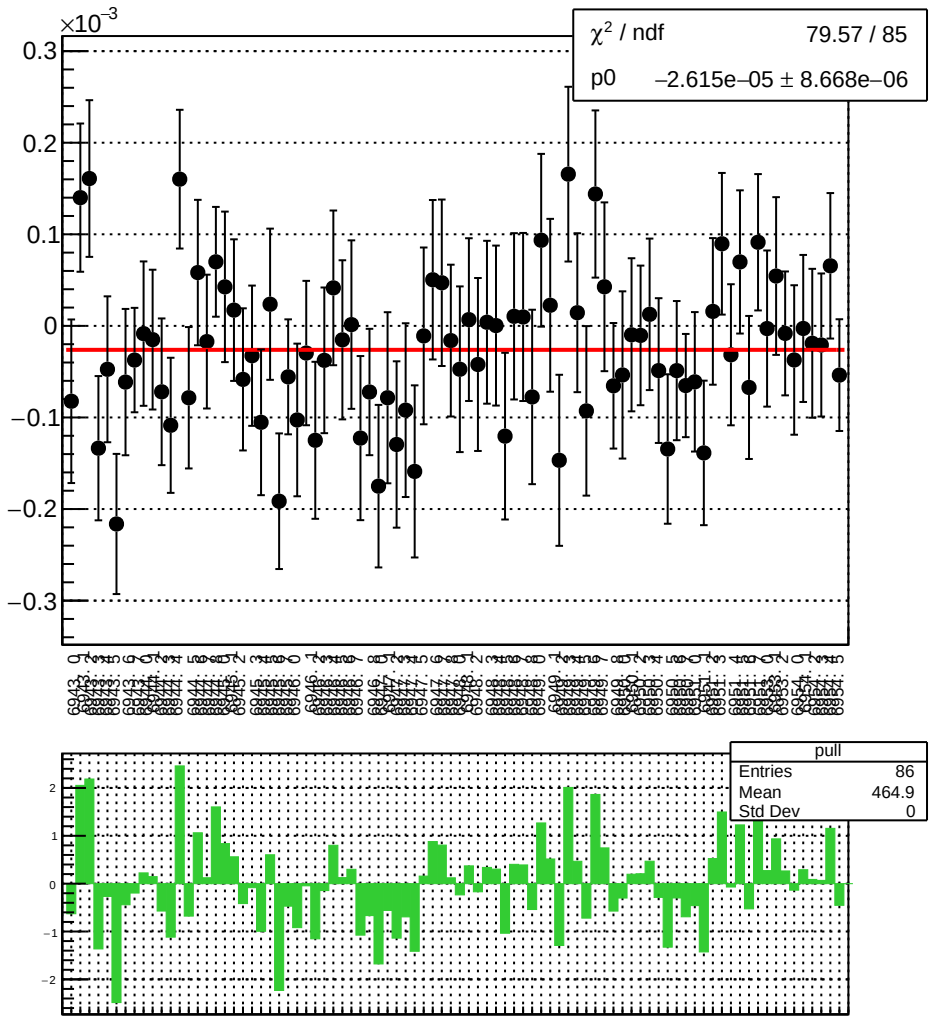

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.633e+04 / 85
p0 320.7 ± 0.2512
500
450
400
350
300
250
200

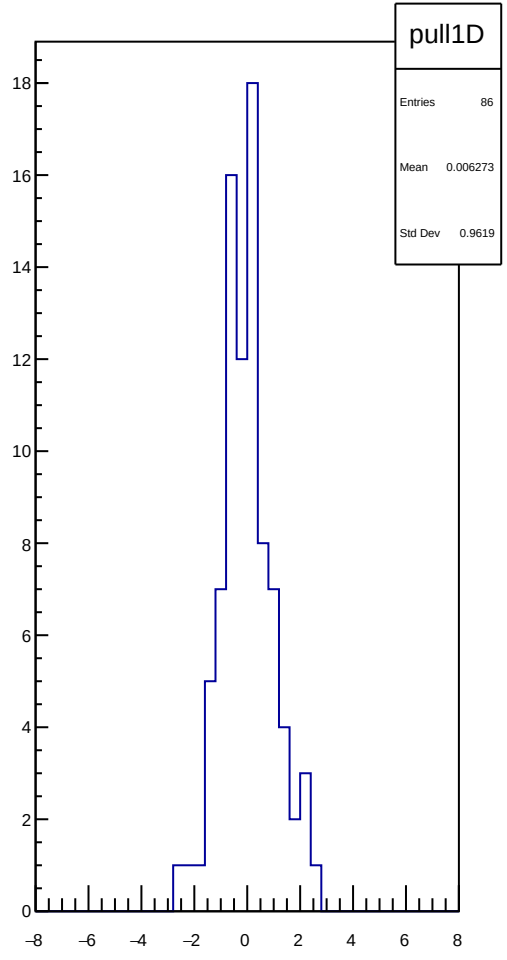
asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run

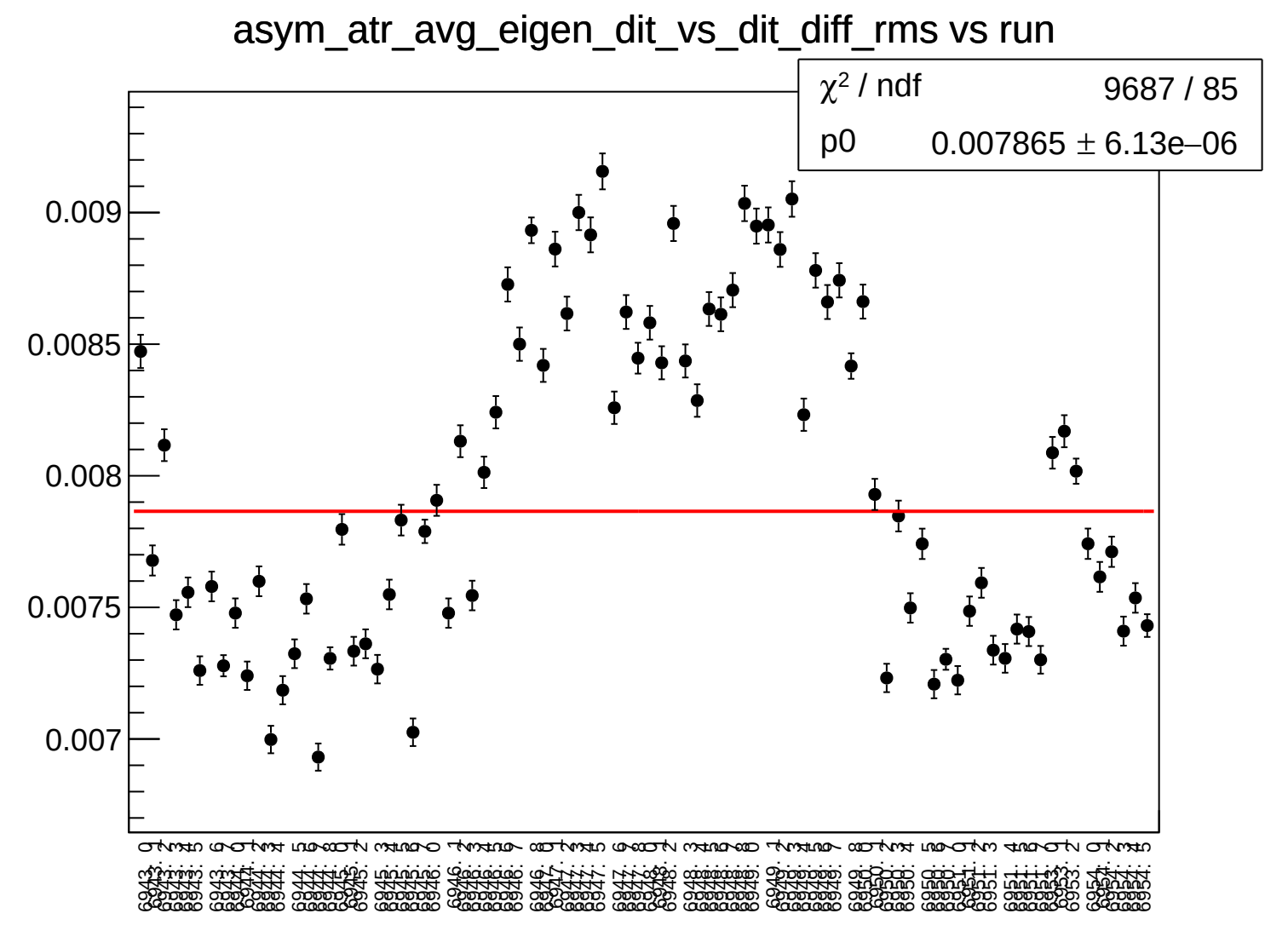


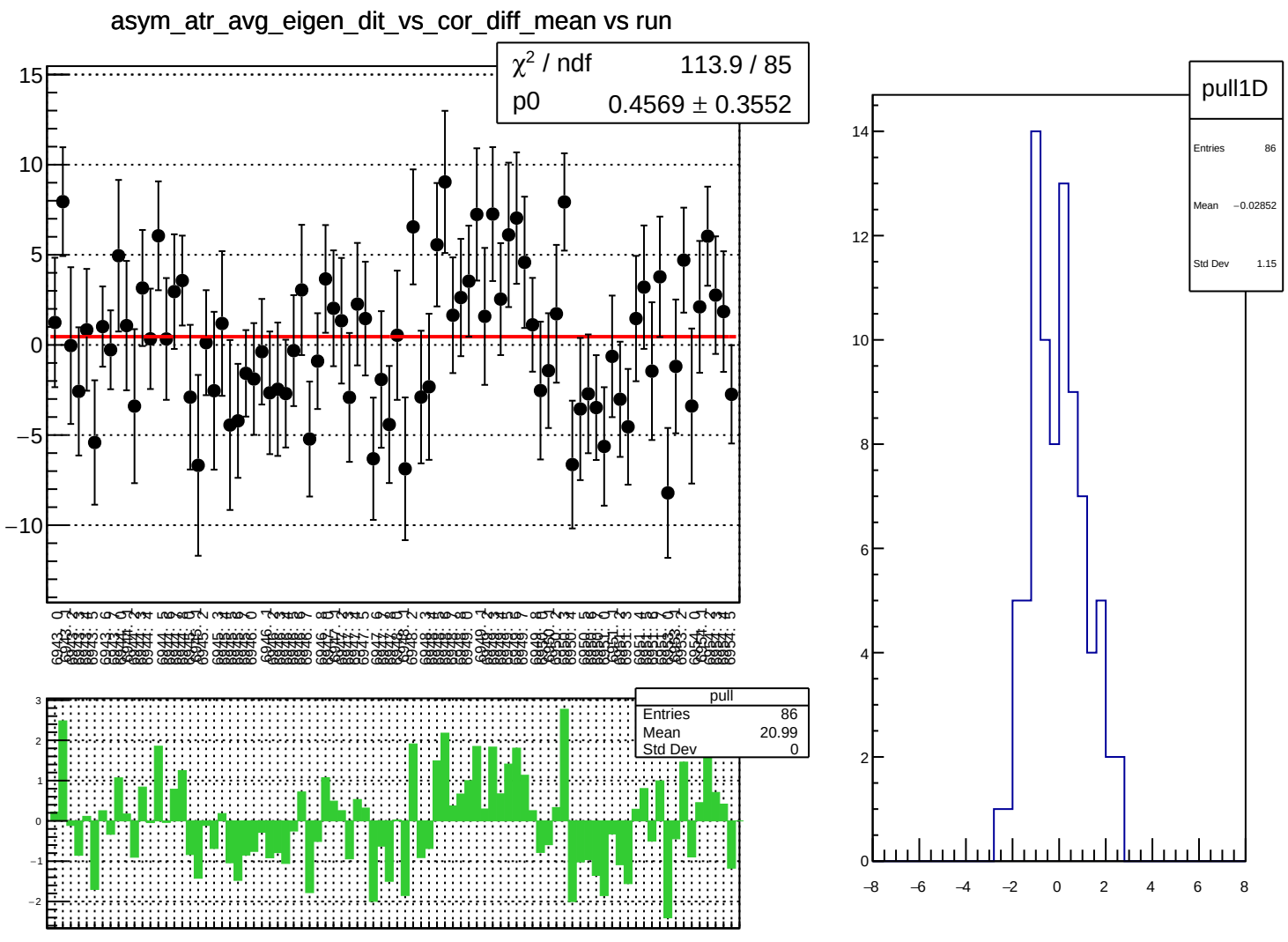


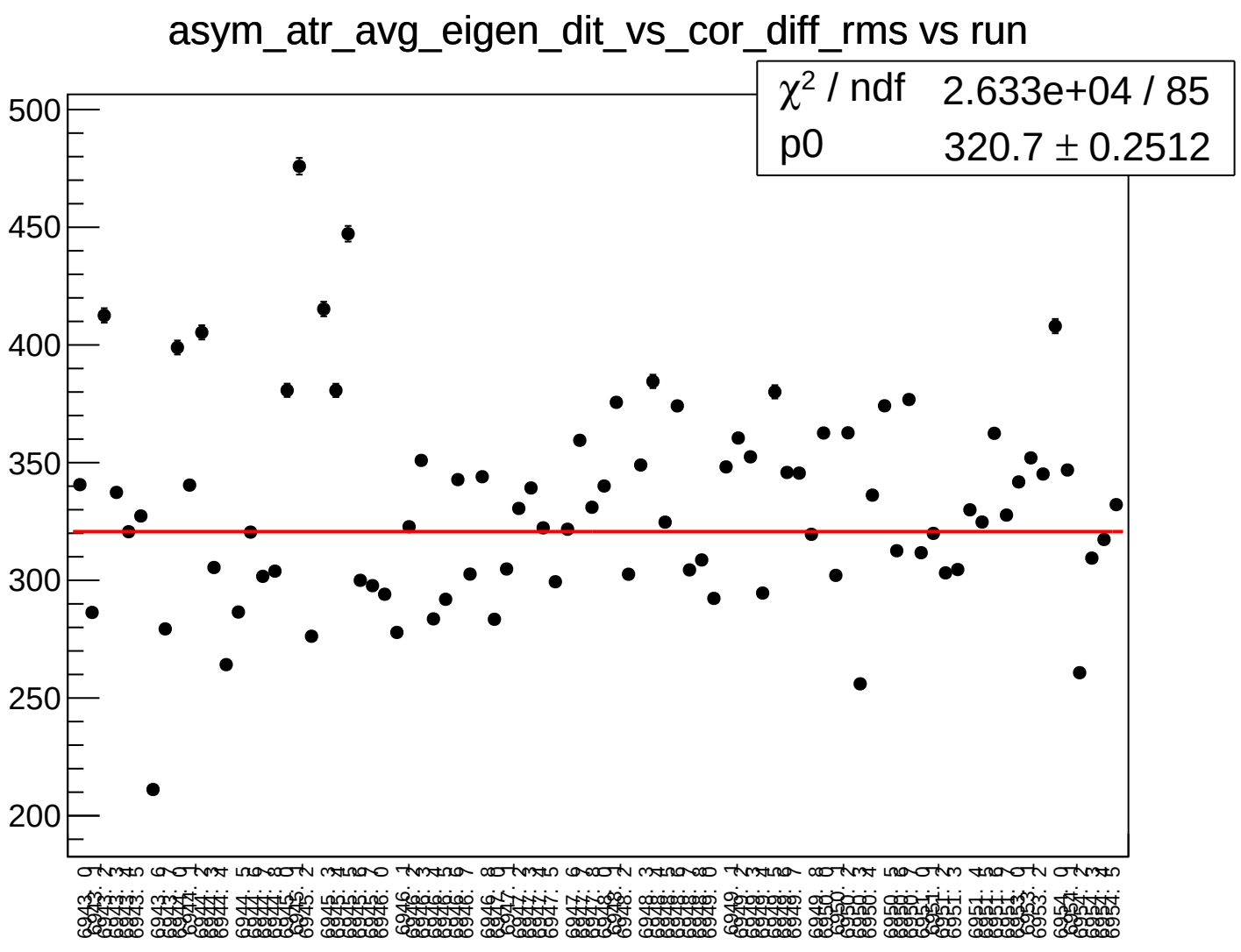

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.633e+04 / 85
p0 320.7 ± 0.2512
500
450
400
350
300
250
200

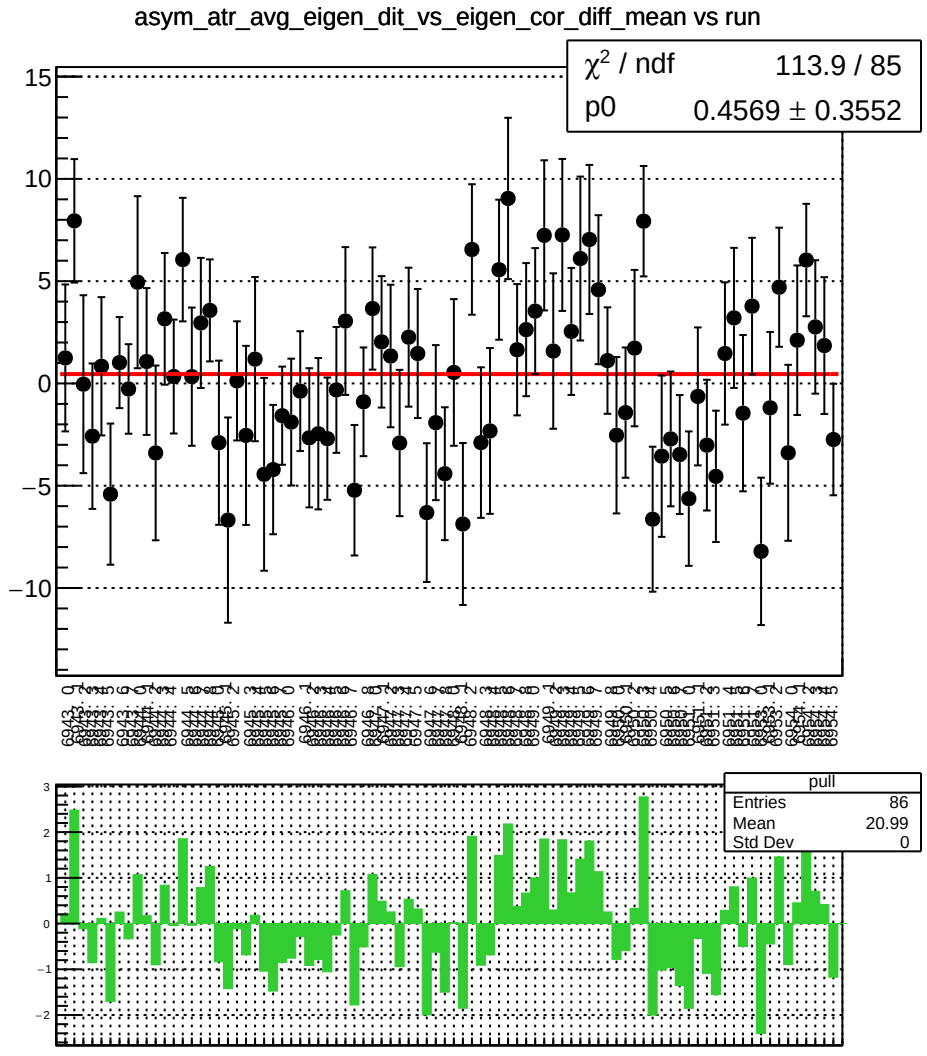

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.57 / 85
p0 −2.615e−05 ± 8.668e−06
pull
Entries 86
Mean 464.9
Std Dev 0

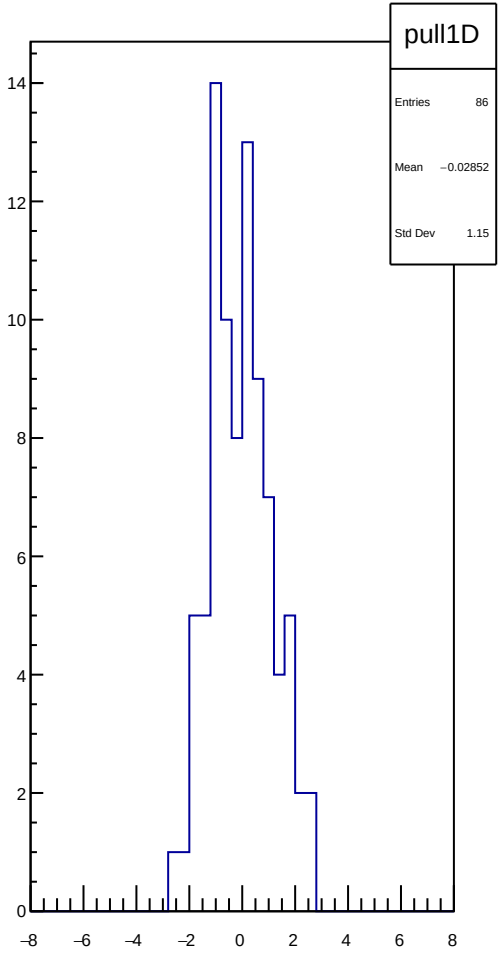

pull1D
Entries 86
Mean 0.006273
Std Dev 0.9619

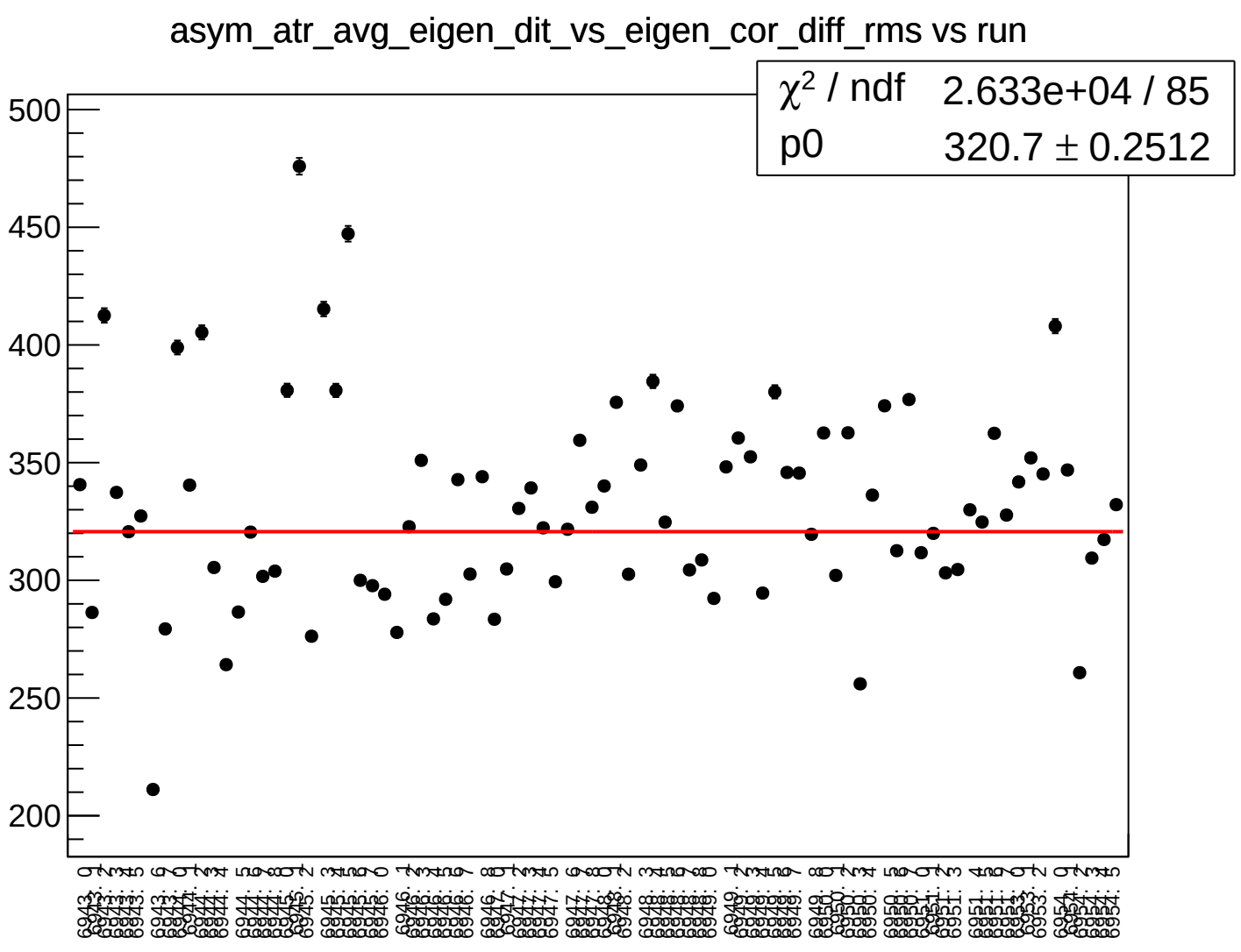

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9687 / 85
p0 0.007865 ± 6.13e–06
0.009
0.0085
0.008
0.0075
0.007

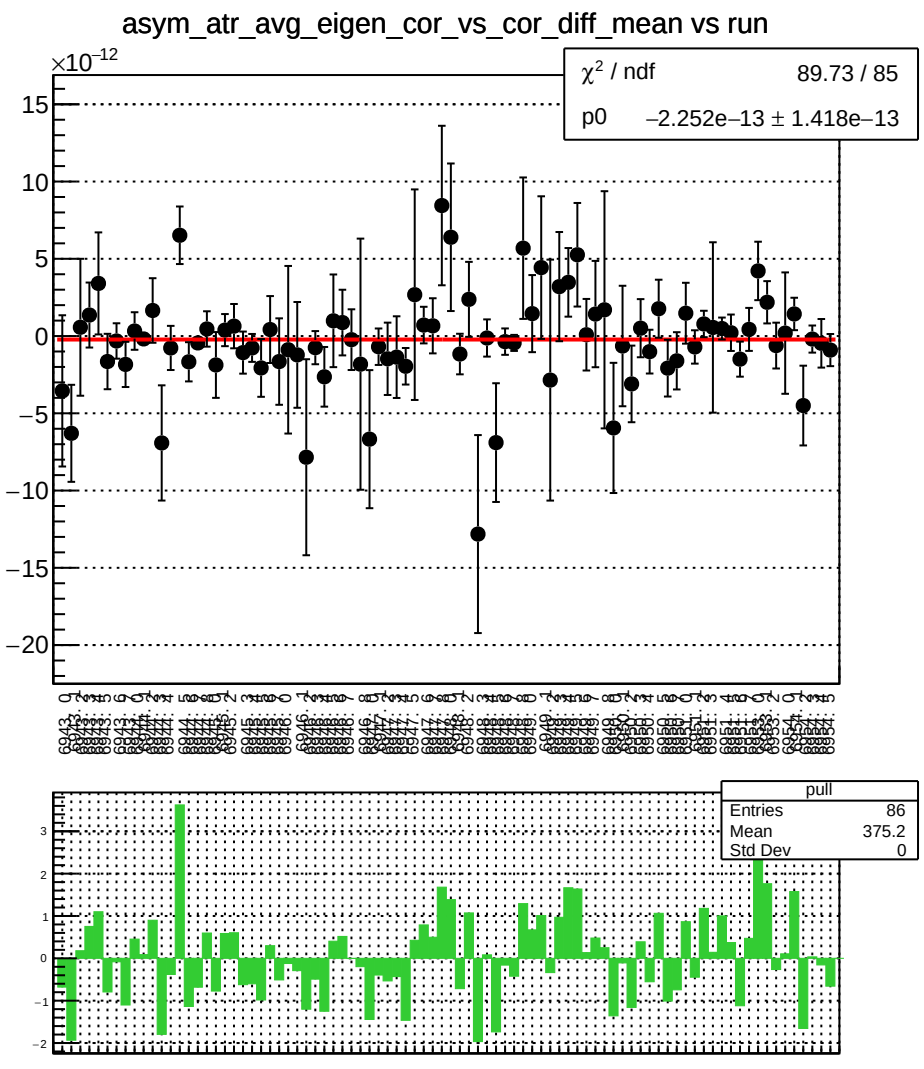

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.9 / 85
p0 0.4569 ± 0.3552
pull
Entries 86
Mean 20.99
Std Dev 0
pull1D
Entries 86
Mean −0.02852
Std Dev 1.15

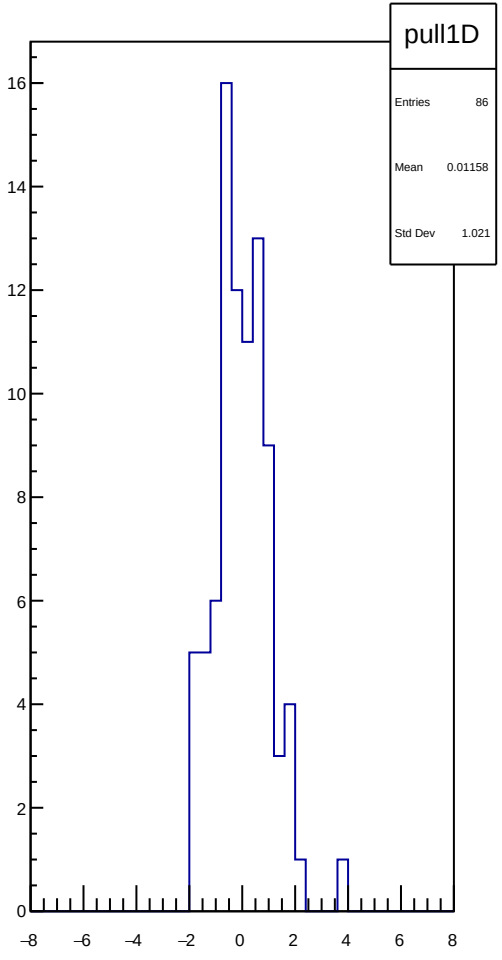

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.633e+04 / 85
p0 320.7 ± 0.2512
500
450
400
350
300
250
200

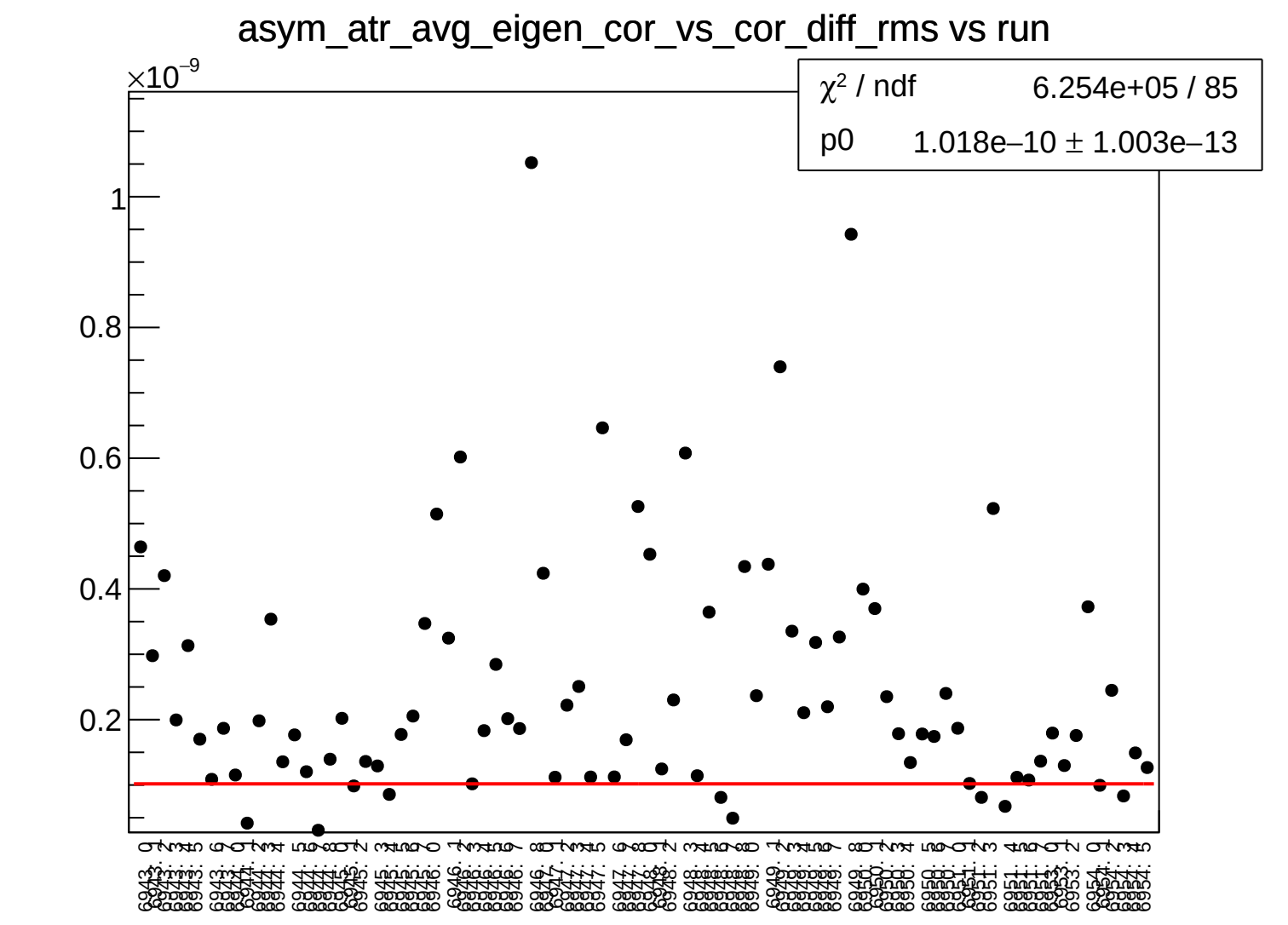

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.9 / 85
p0 0.4569 ± 0.3552
pull
Entries 86
Mean 20.99
Std Dev 0

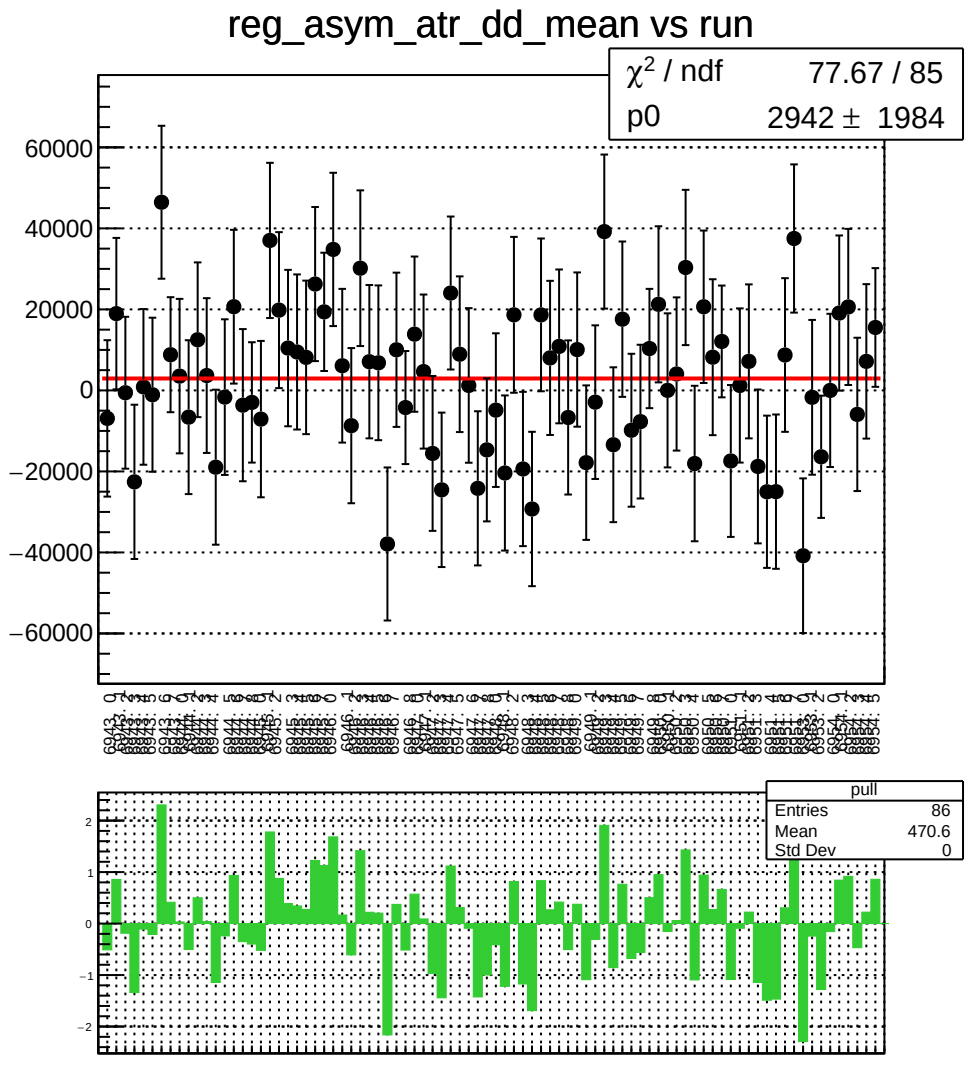

pull1D
Entries 86
Mean −0.02852
Std Dev 1.15

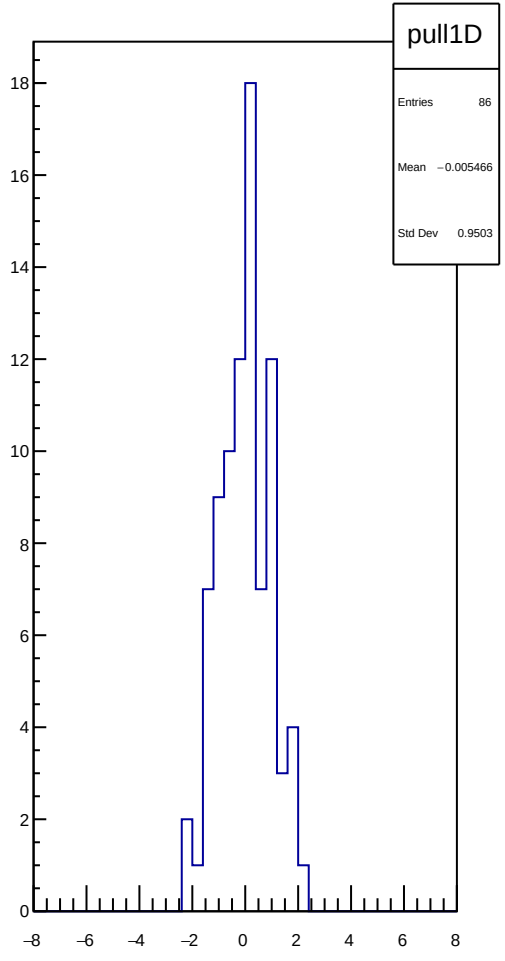

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.633e+04 / 85
p0 320.7 ± 0.2512
500
450
400
350
300
250
200

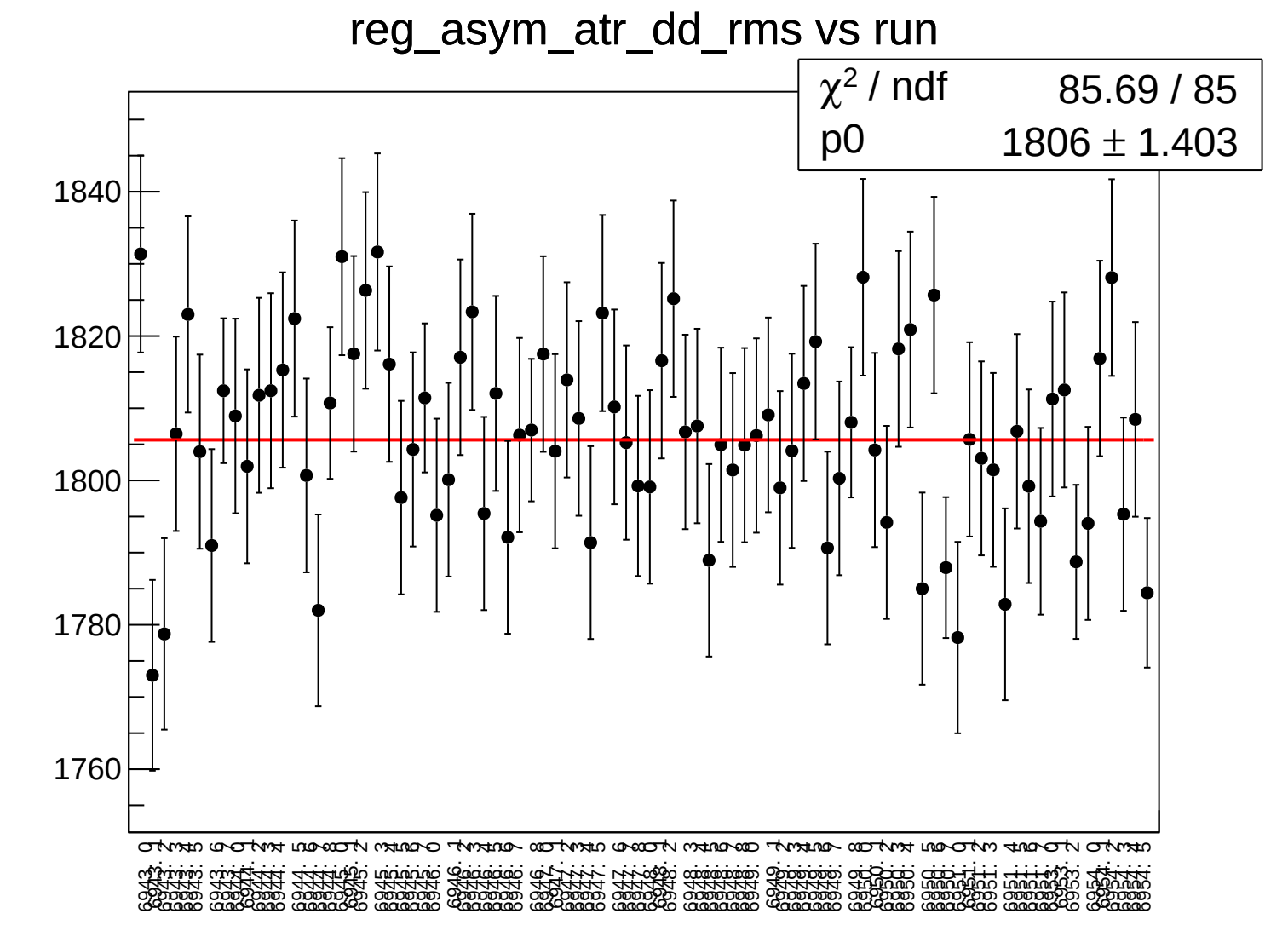

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.73 / 85
p0 −2.252e−13 ± 1.418e−13
pull
Entries 86
Mean 375.2
Std Dev 0

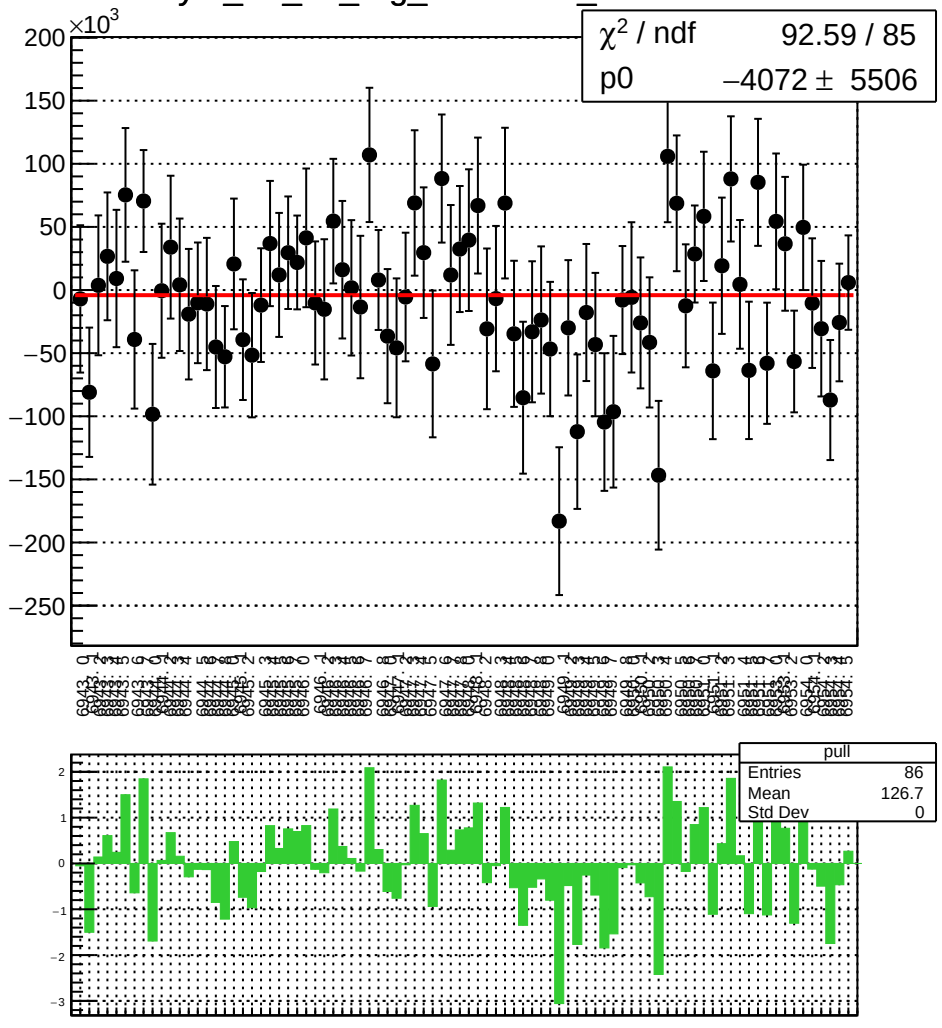

pull1D
Entries 86
Mean 0.01158
Std Dev 1.021

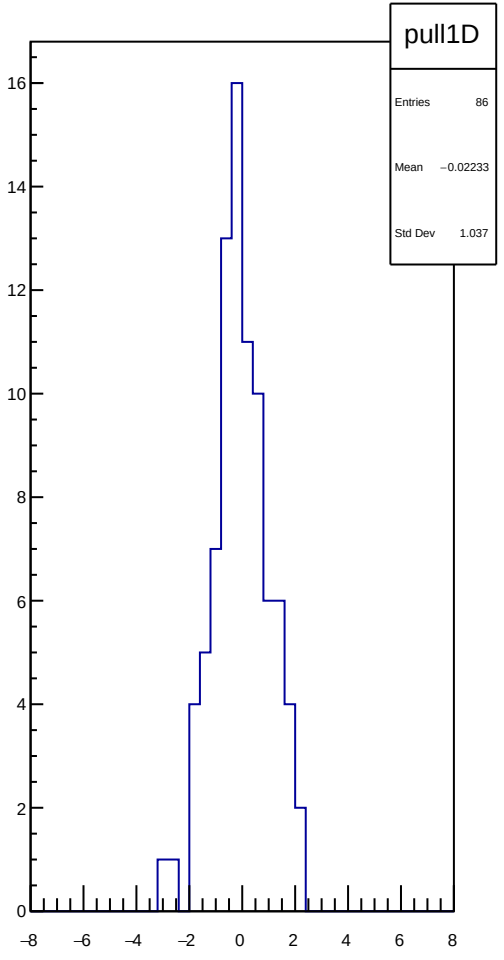

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.254e+05 / 85
p0 1.018e−10 ± 1.003e−13
1
0.8
0.6
0.4
0.2

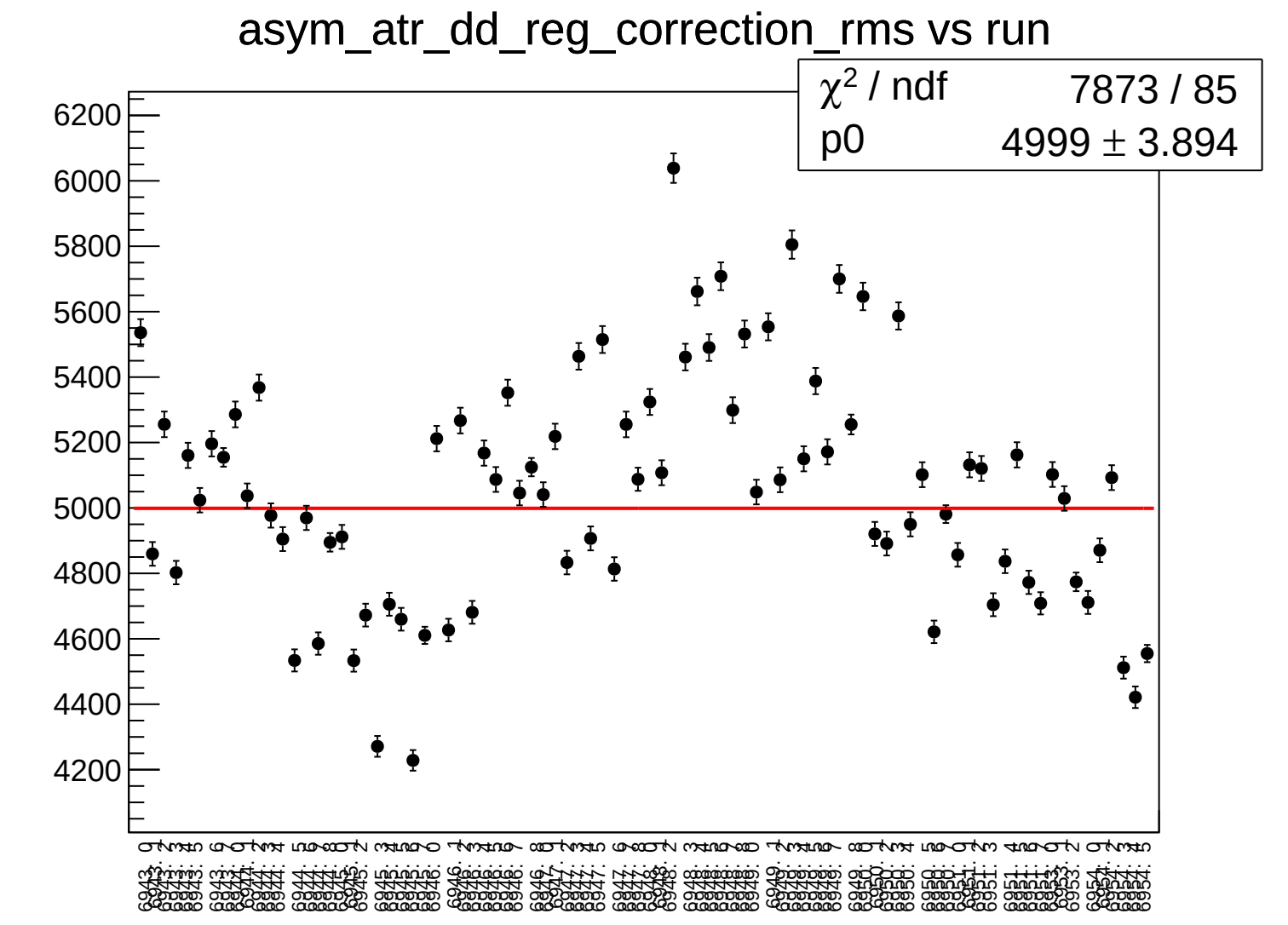

reg_asym_atr_dd_mean vs run
χ² / ndf 77.67 / 85
p0 2942 ± 1984
pull
Entries 86
Mean 470.6
Std Dev 0

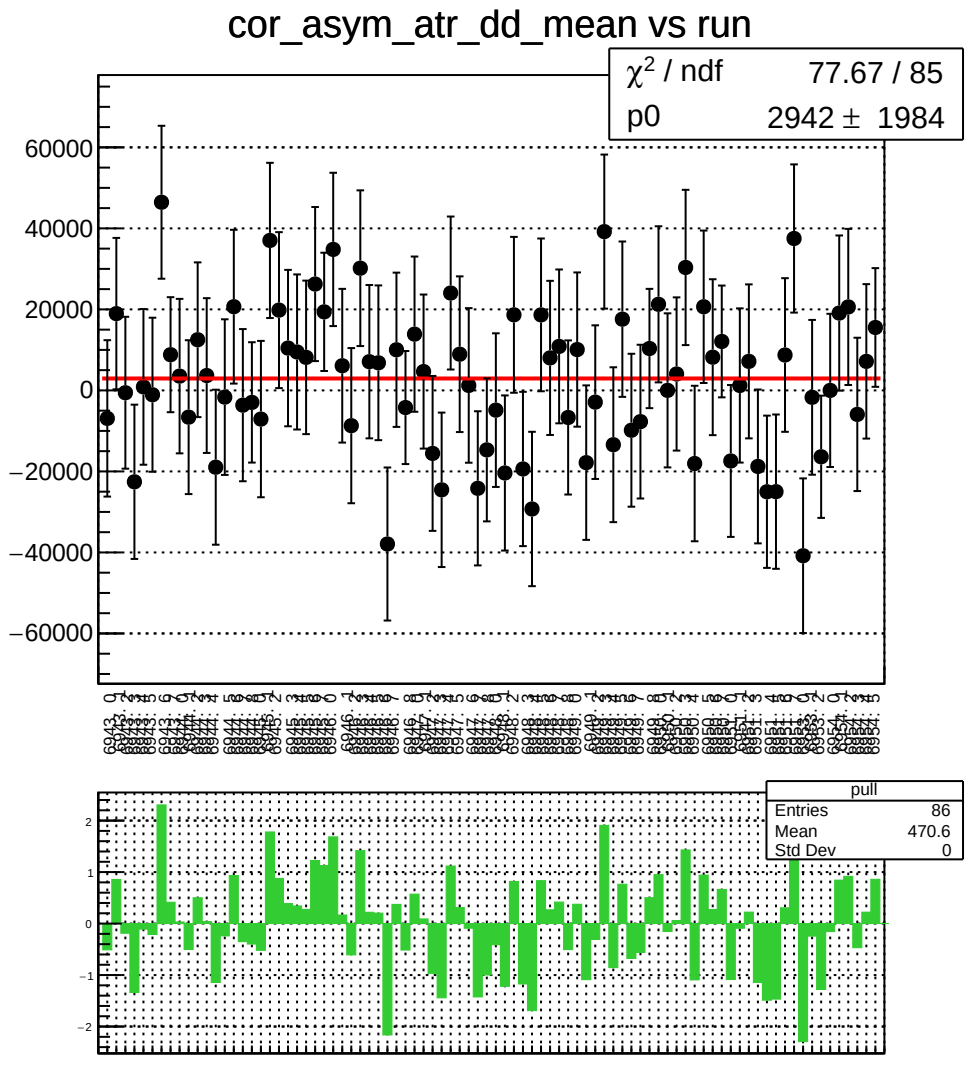

pull1D
Entries 86
Mean −0.005466
Std Dev 0.9503

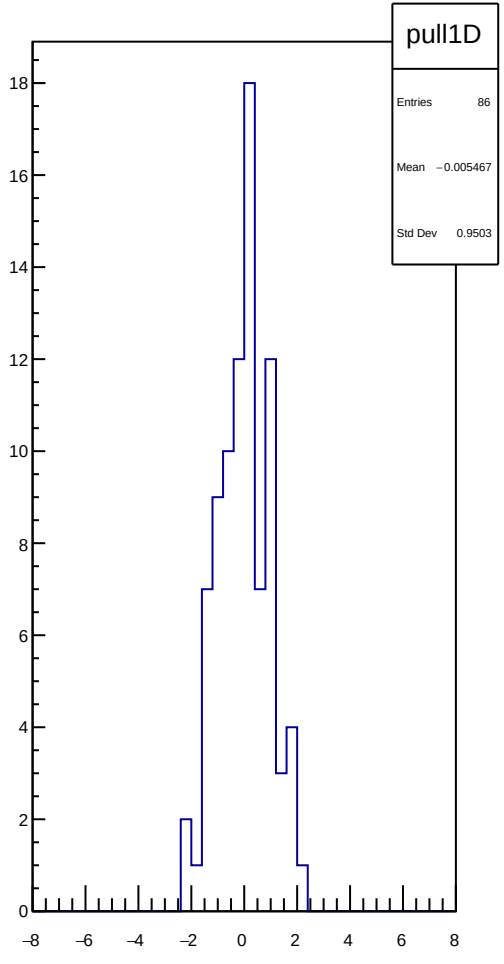

reg_asym_atr_dd_rms vs run
χ² / ndf 85.69 / 85
p0 1806 ± 1.403
1840
1820
1800
1780
1760

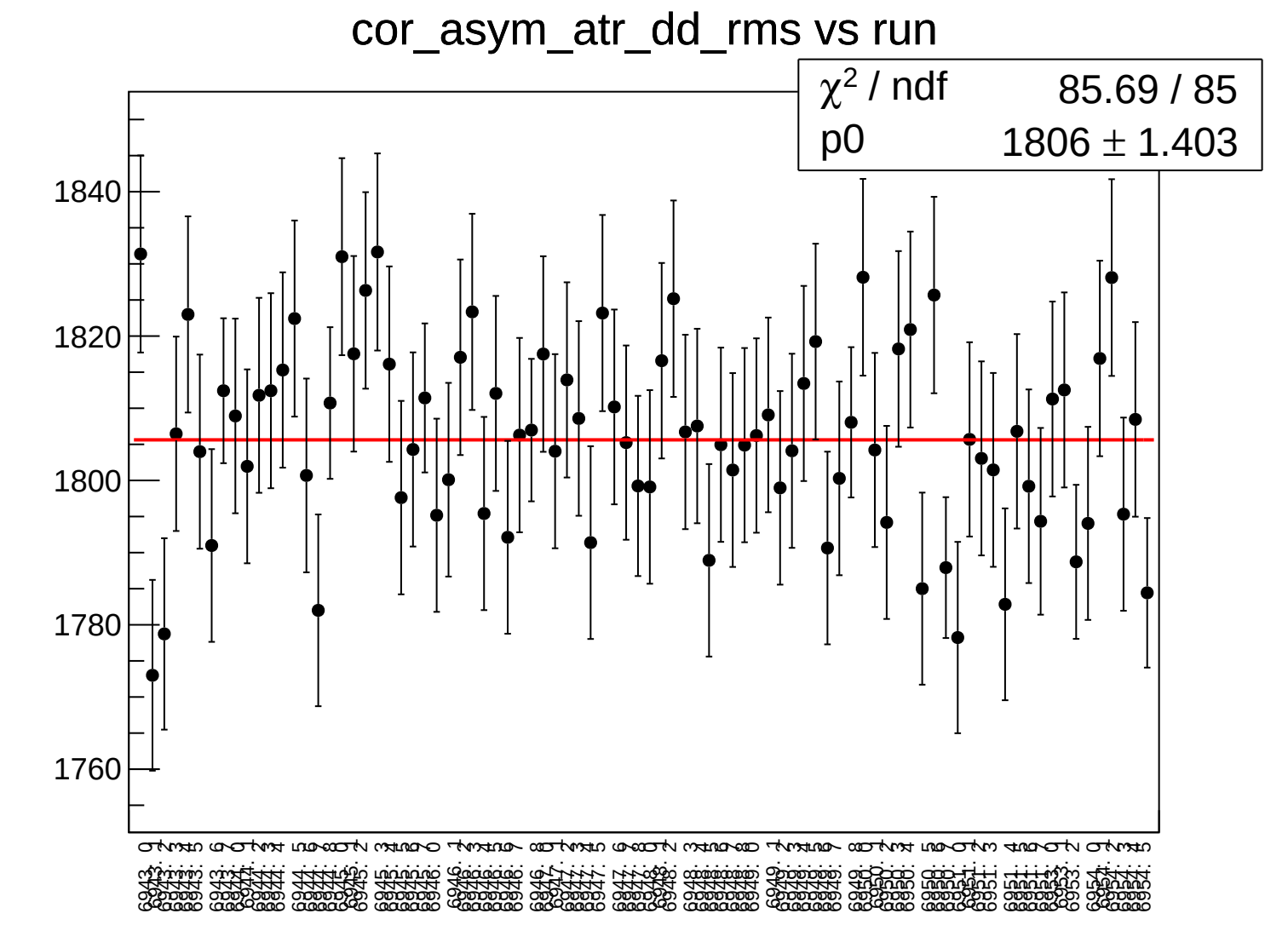

asym_atr_dd_reg_correction_mean vs run
χ² / ndf 92.59 / 85
p0 −4072 ± 5506
×10³
pull
Entries 86
Mean 126.7
Std Dev 0

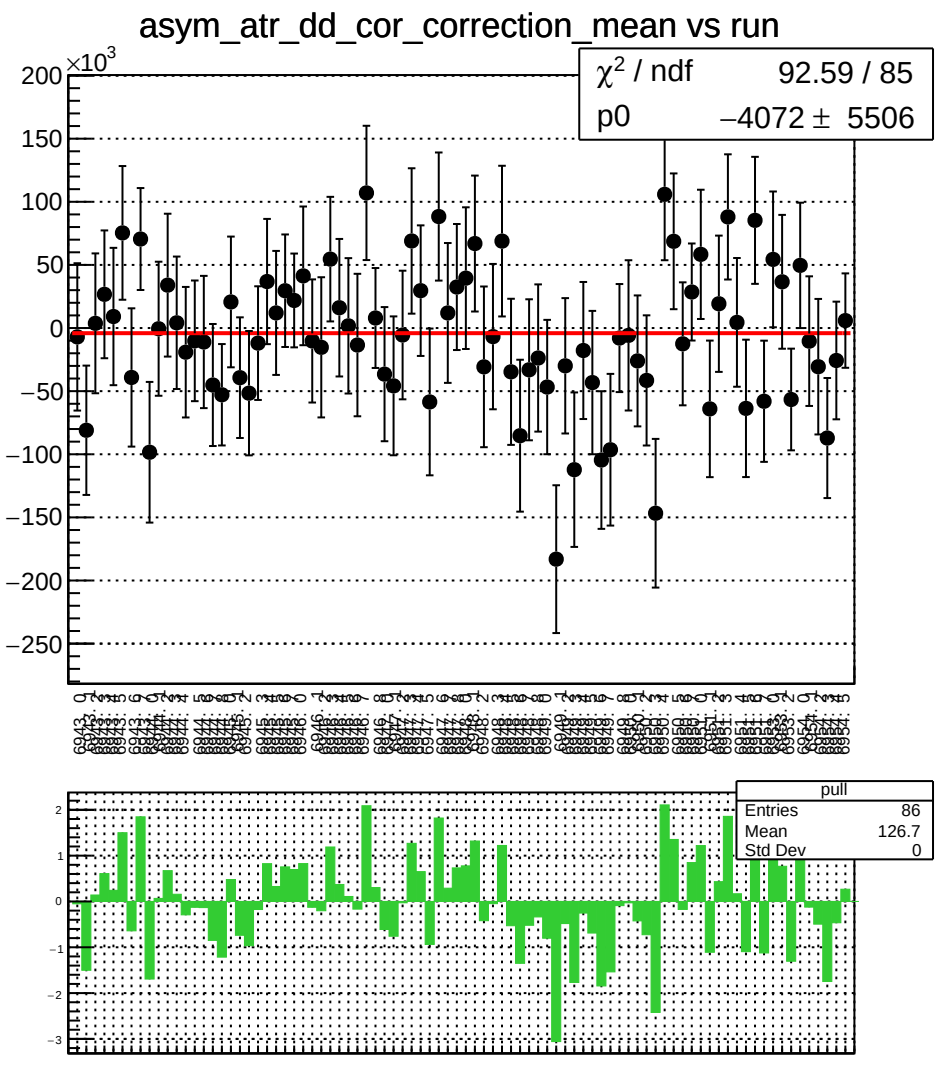

pull1D
Entries 86
Mean −0.02233
Std Dev 1.037

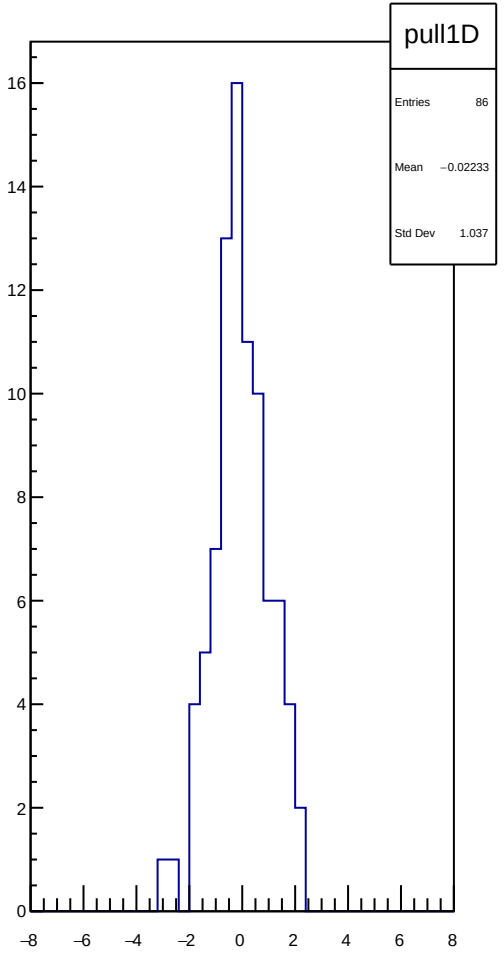

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 7873 / 85
p0 4999 ± 3.894
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

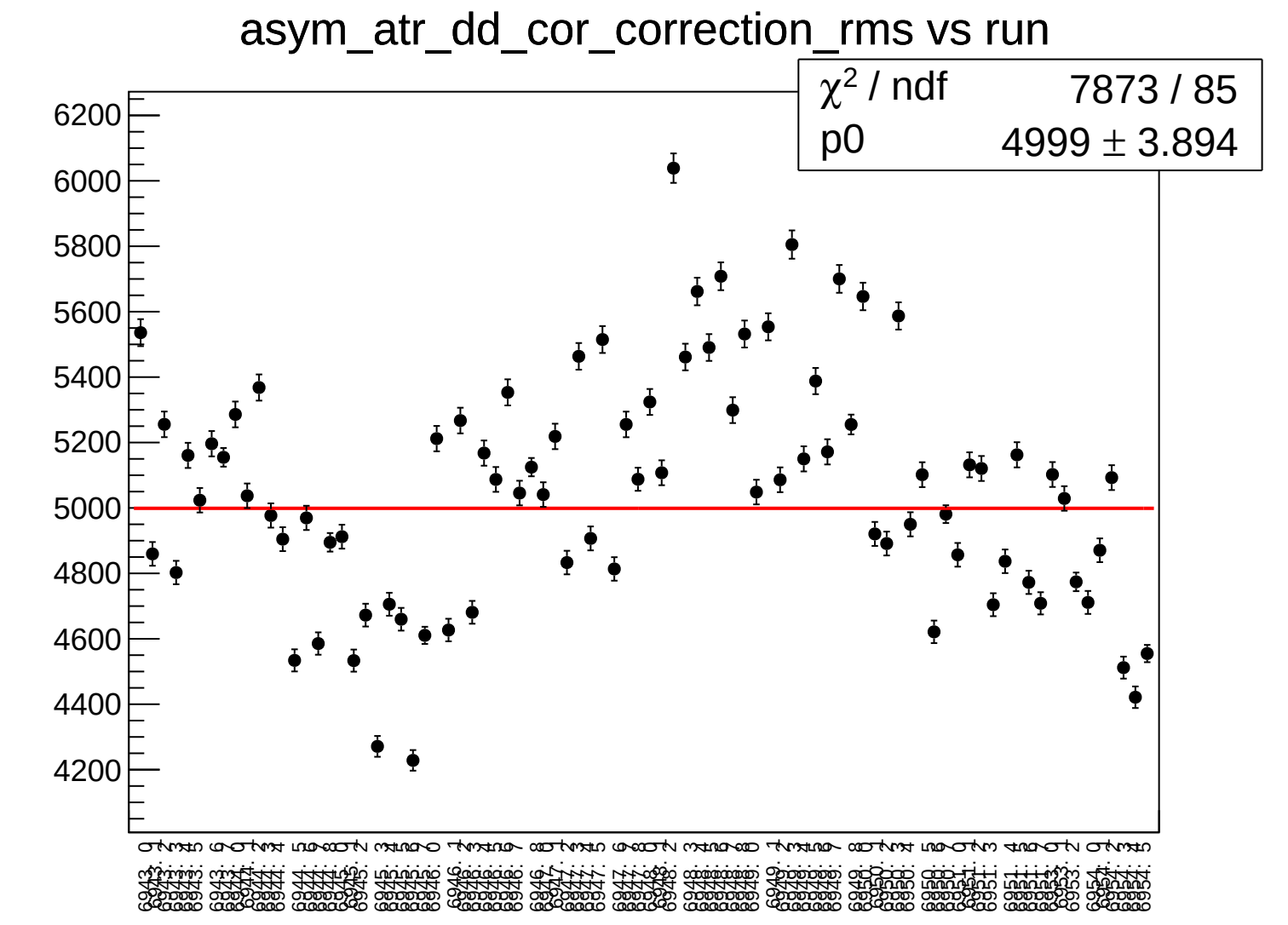

cor_asym_atr_dd_mean vs run
χ² / ndf 77.67 / 85
p0 2942 ± 1984
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 470.6
Std Dev 0
2
1
0
−1
−2

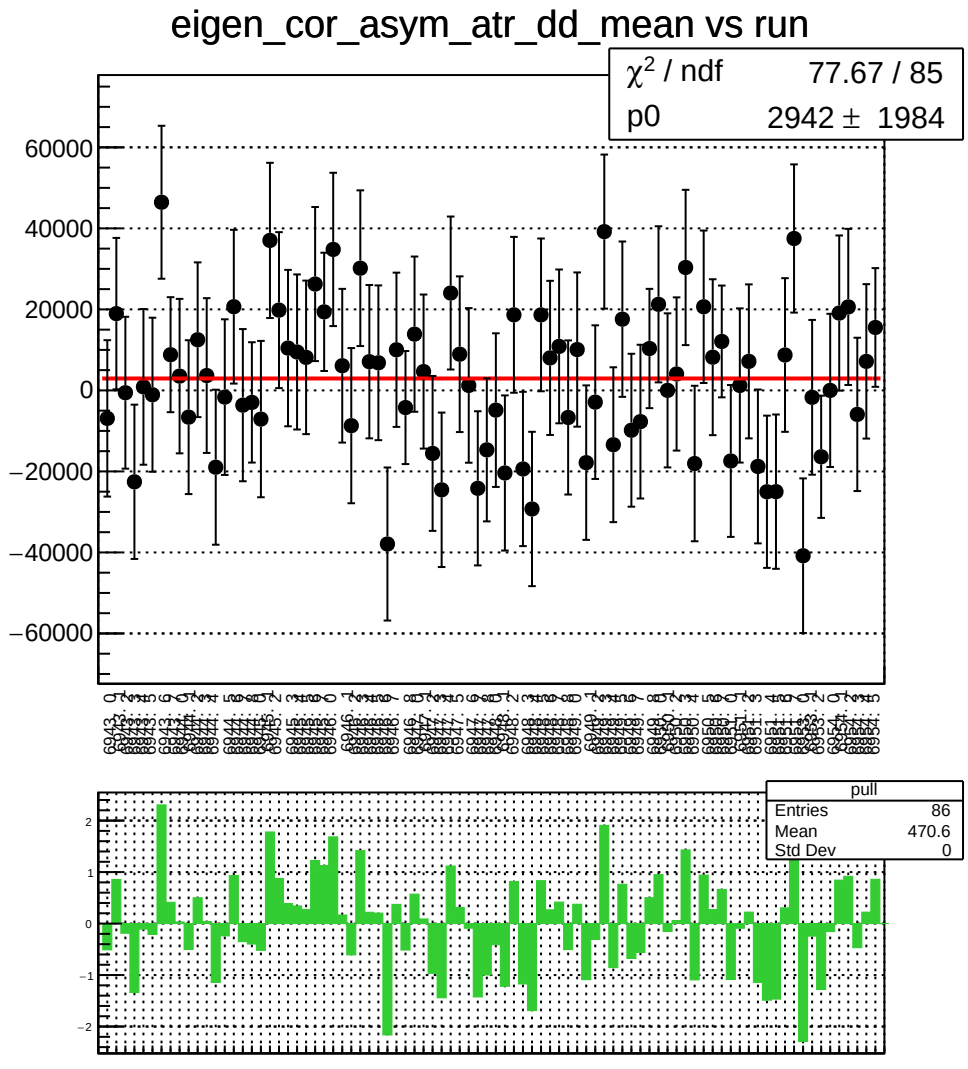

pull1D
Entries 86
Mean −0.005467
Std Dev 0.9503
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

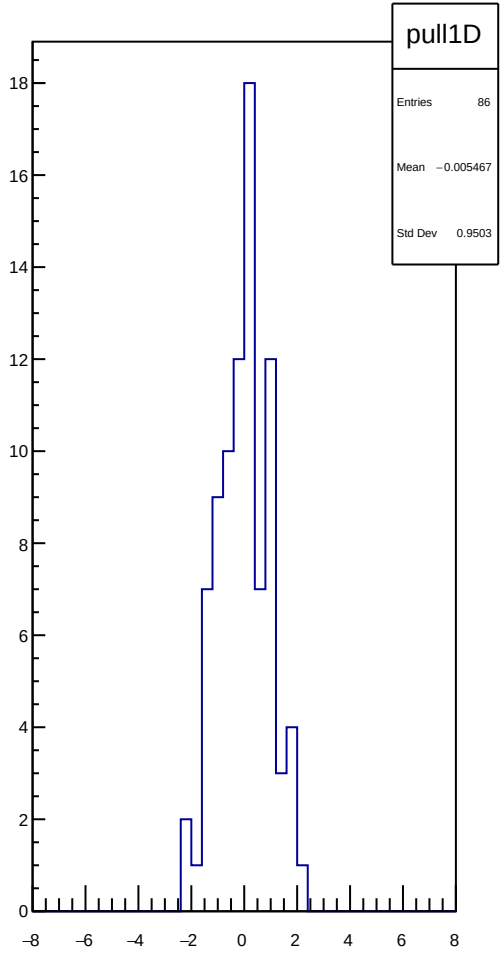

cor_asym_atr_dd_rms vs run
χ^2 / ndf 85.69 / 85
p0 1806 ± 1.403
1840
1820
1800
1780
1760

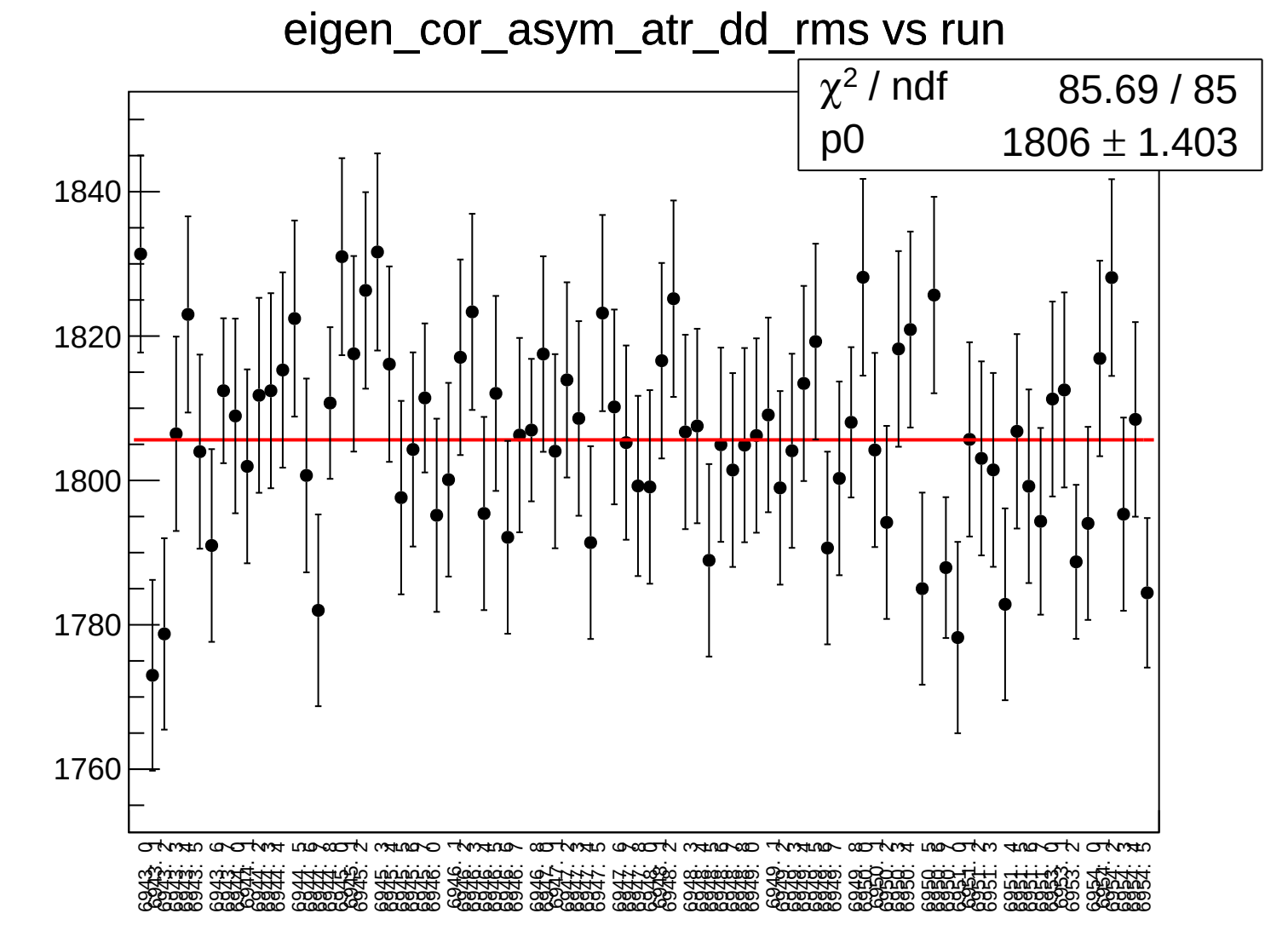

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 92.59 / 85
p0 −4072 ± 5506
×10³
pull
Entries 86
Mean 126.7
Std Dev 0

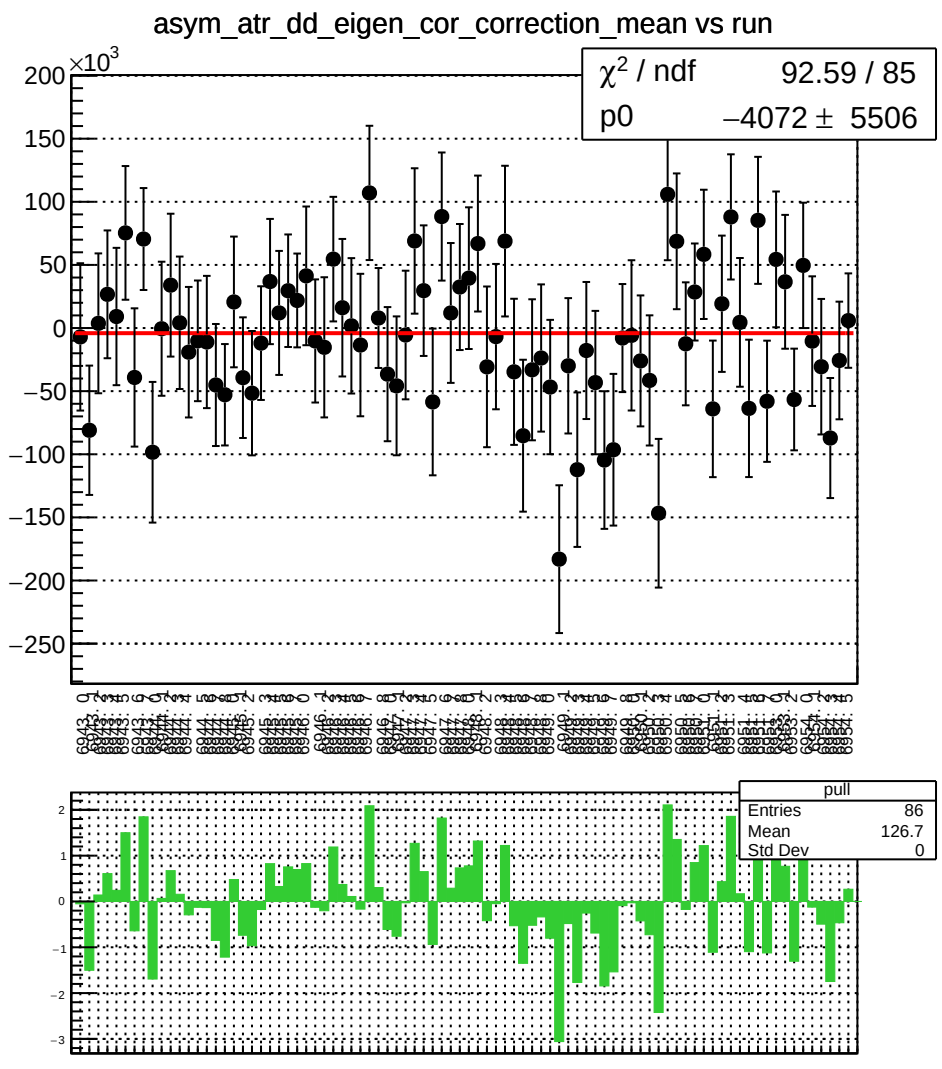

pull1D
Entries 86
Mean −0.02233
Std Dev 1.037

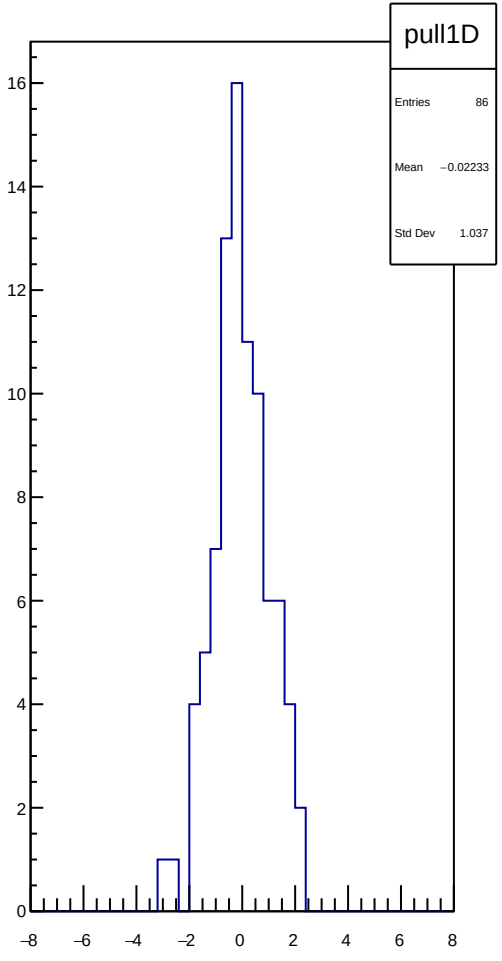

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 7873 / 85
p0 4999 ± 3.894
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

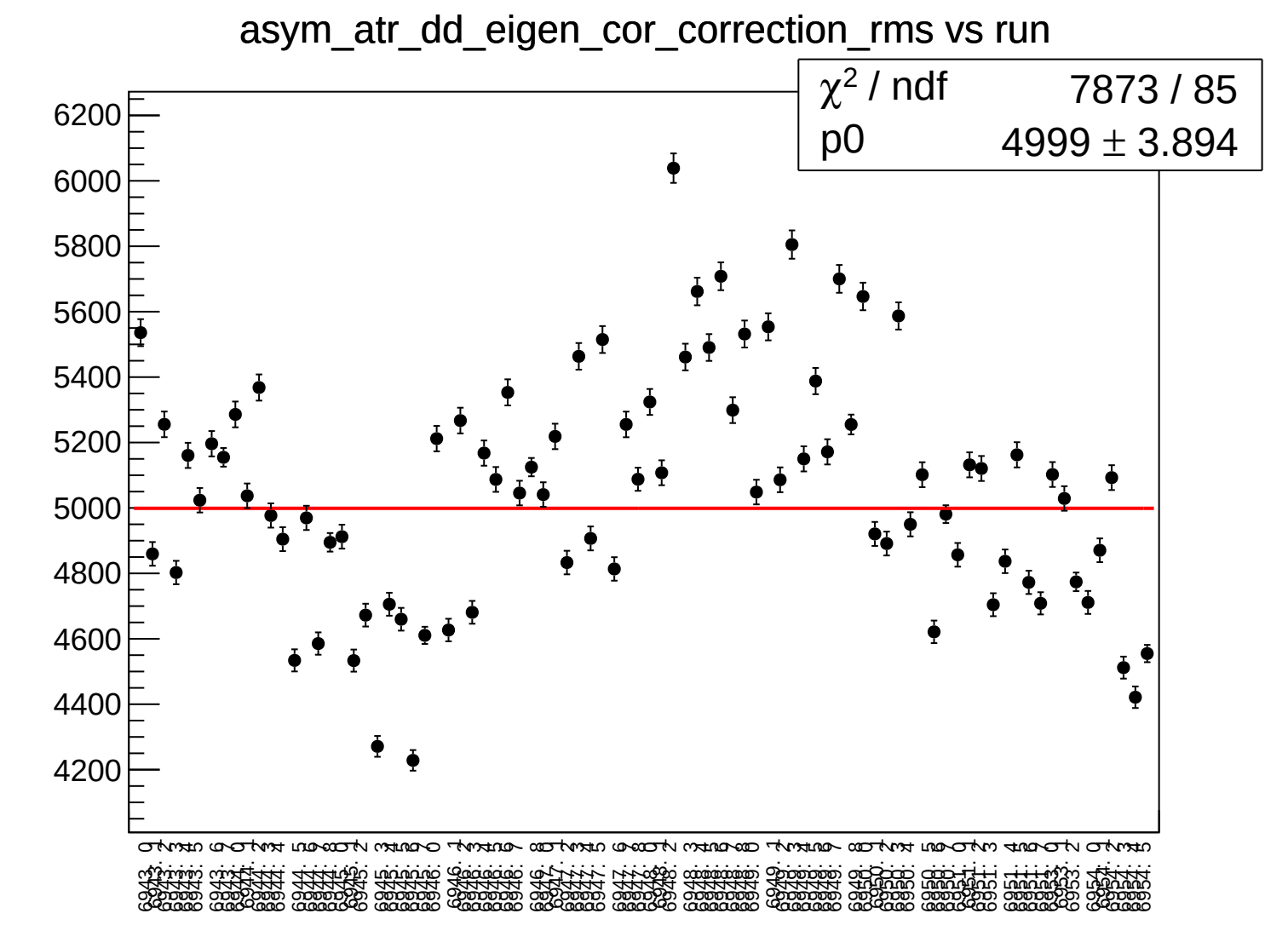

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 77.67 / 85
p0 2942 ± 1984
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 470.6
Std Dev 0
2
1
0
−1
−2

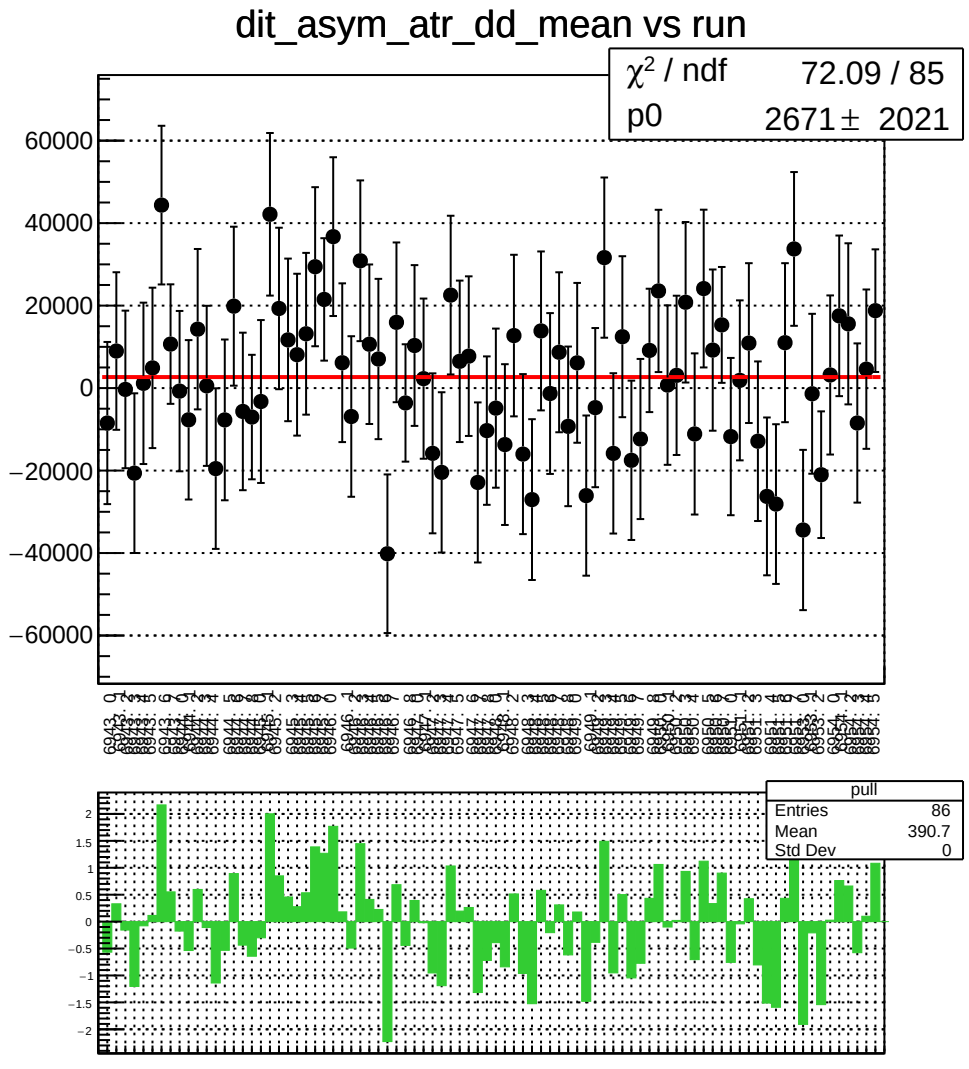

pull1D
Entries 86
Mean −0.005467
Std Dev 0.9503
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

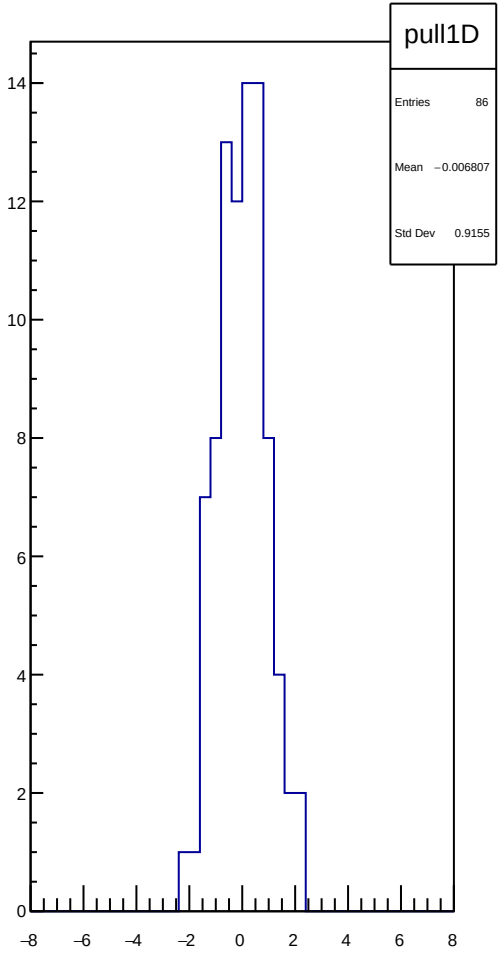

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 85.69 / 85
p0 1806 ± 1.403
1840
1820
1800
1780
1760

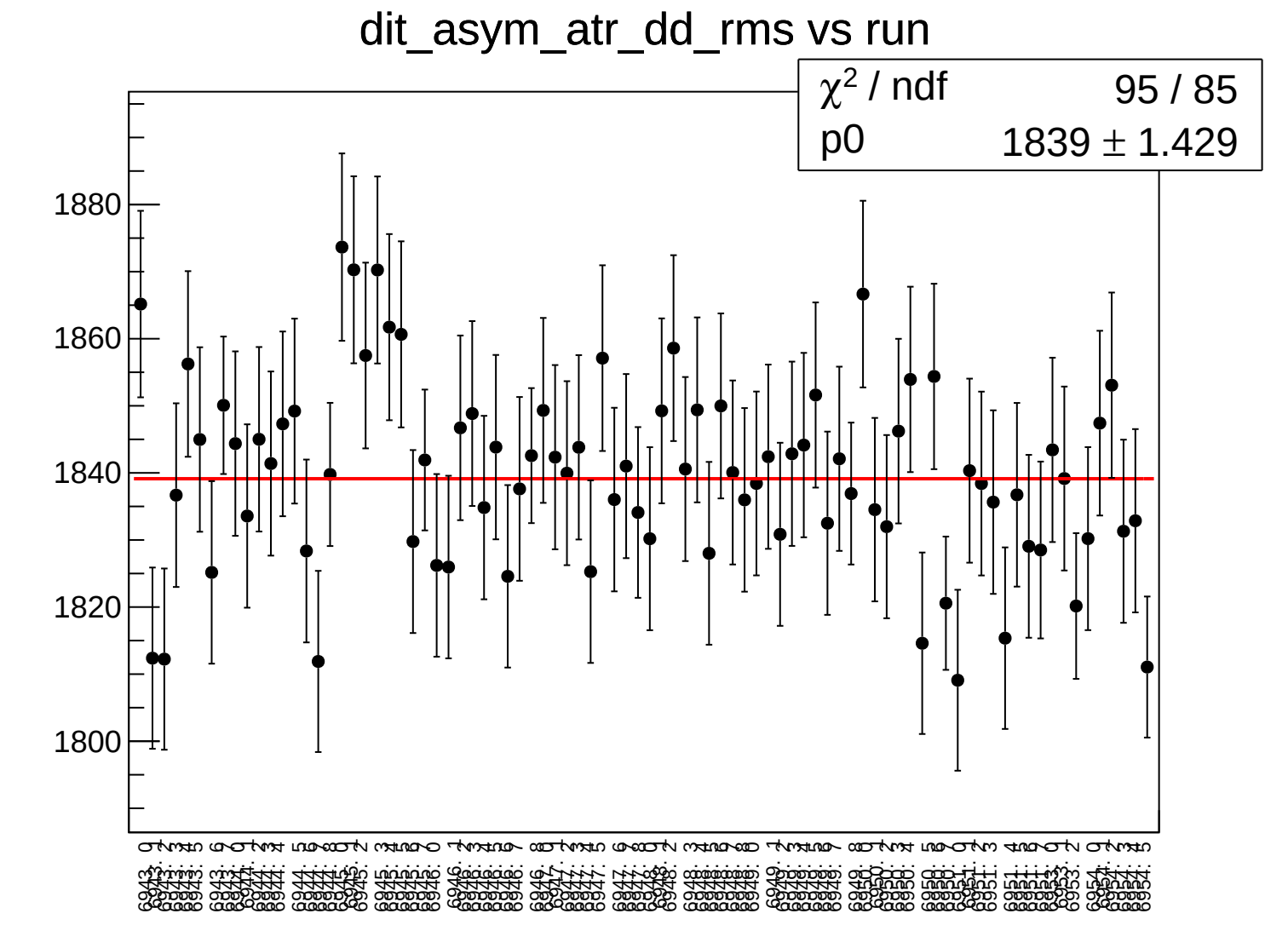

asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 92.59 / 85
p0 −4072 ± 5506
×10³
pull
Entries 86
Mean 126.7
Std Dev 0

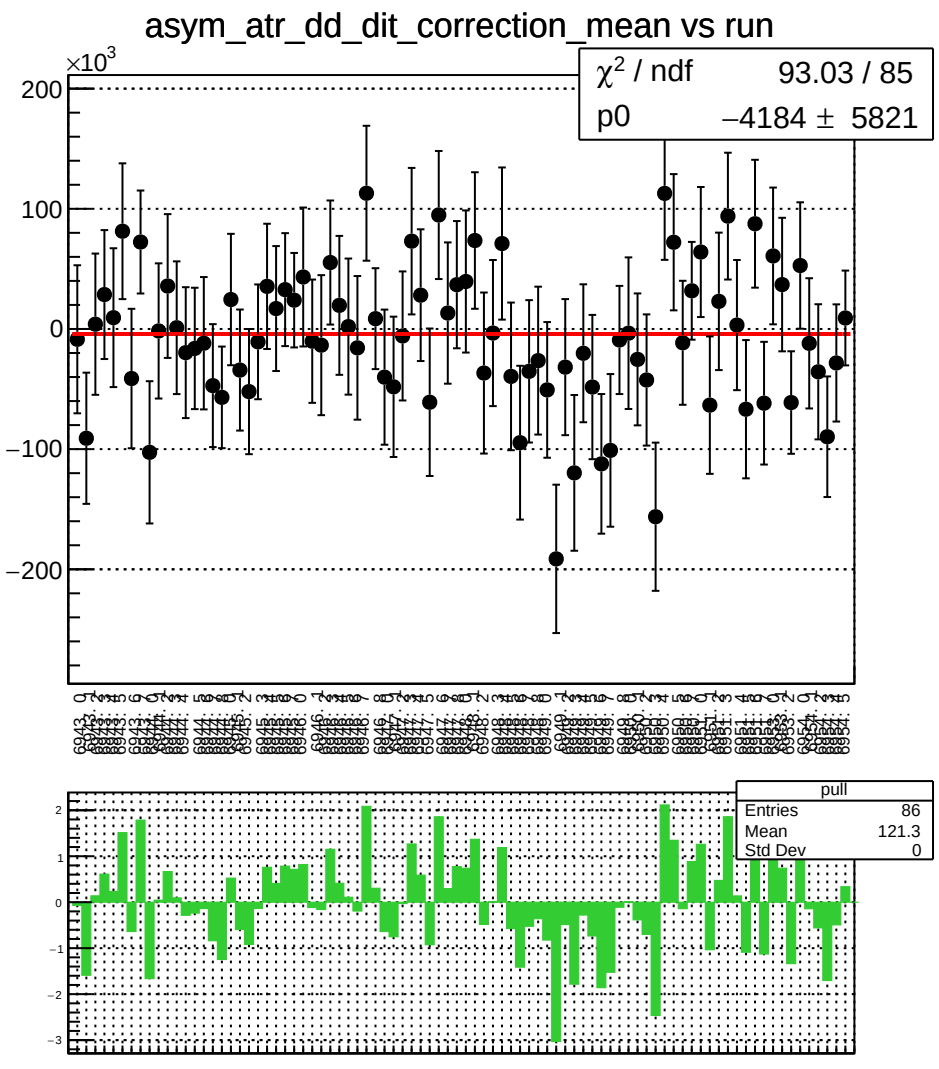

pull1D
Entries 86
Mean −0.02233
Std Dev 1.037

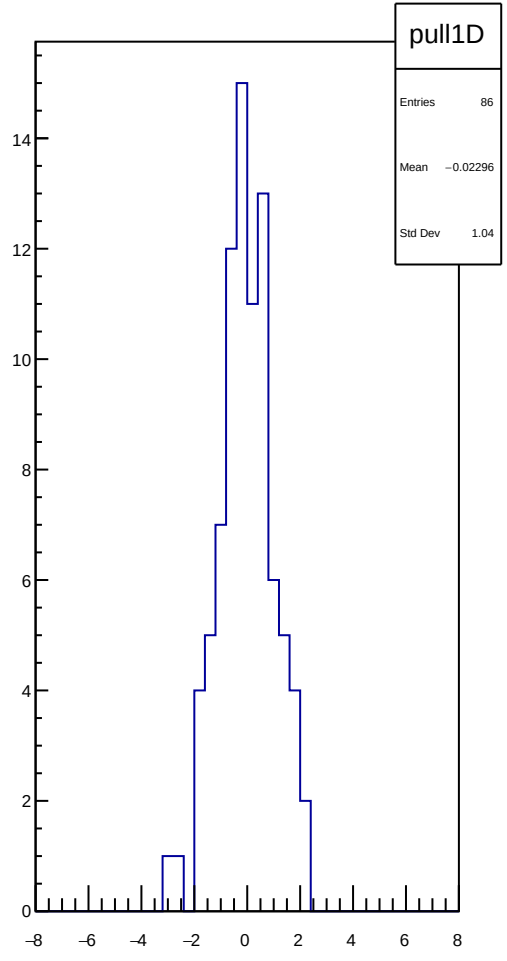

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 7873 / 85
p0 4999 ± 3.894
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

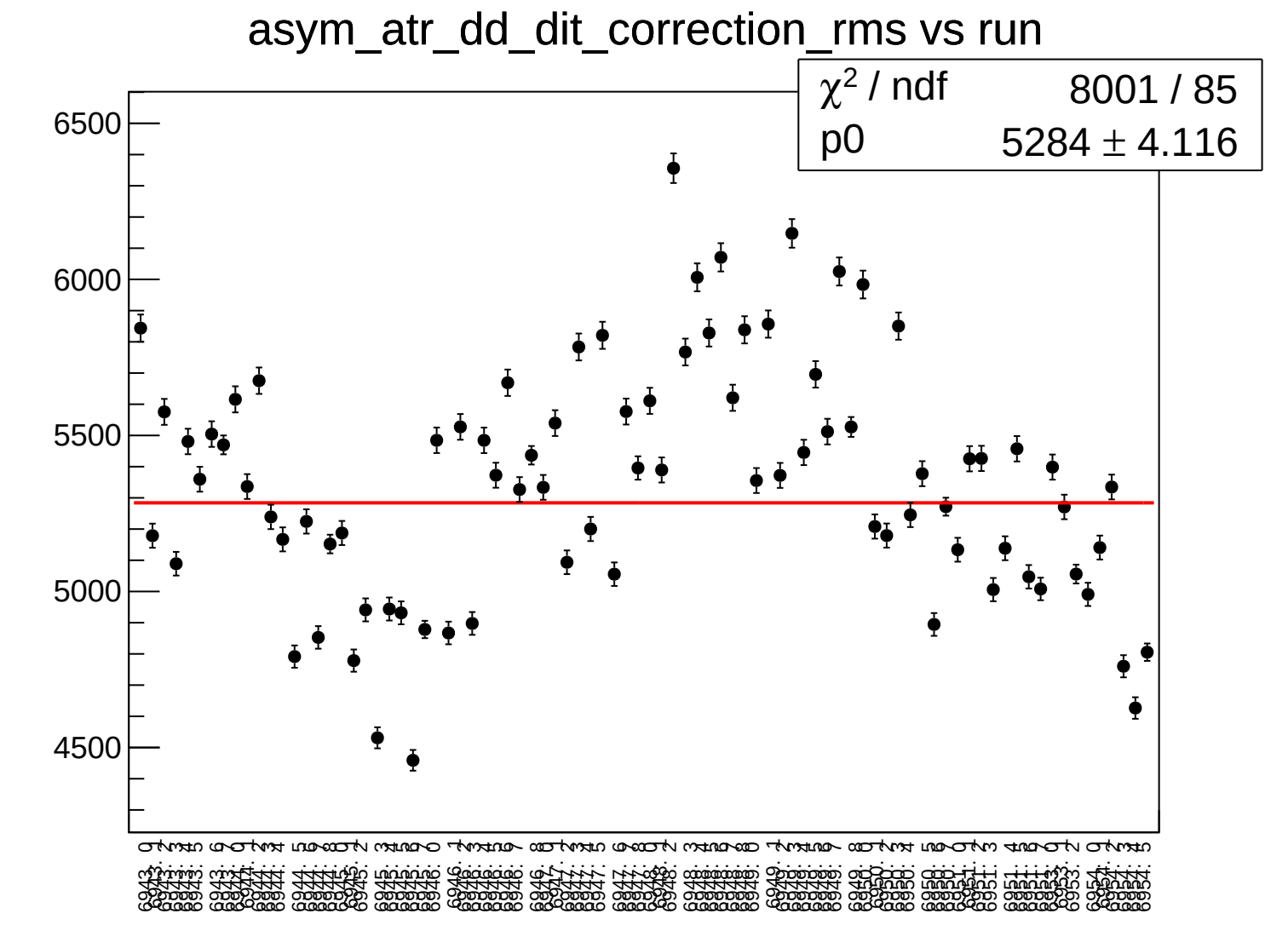

dit_asym_atr_dd_mean vs run
χ² / ndf 72.09 / 85
p0 2671 ± 2021
pull
Entries 86
Mean 390.7
Std Dev 0

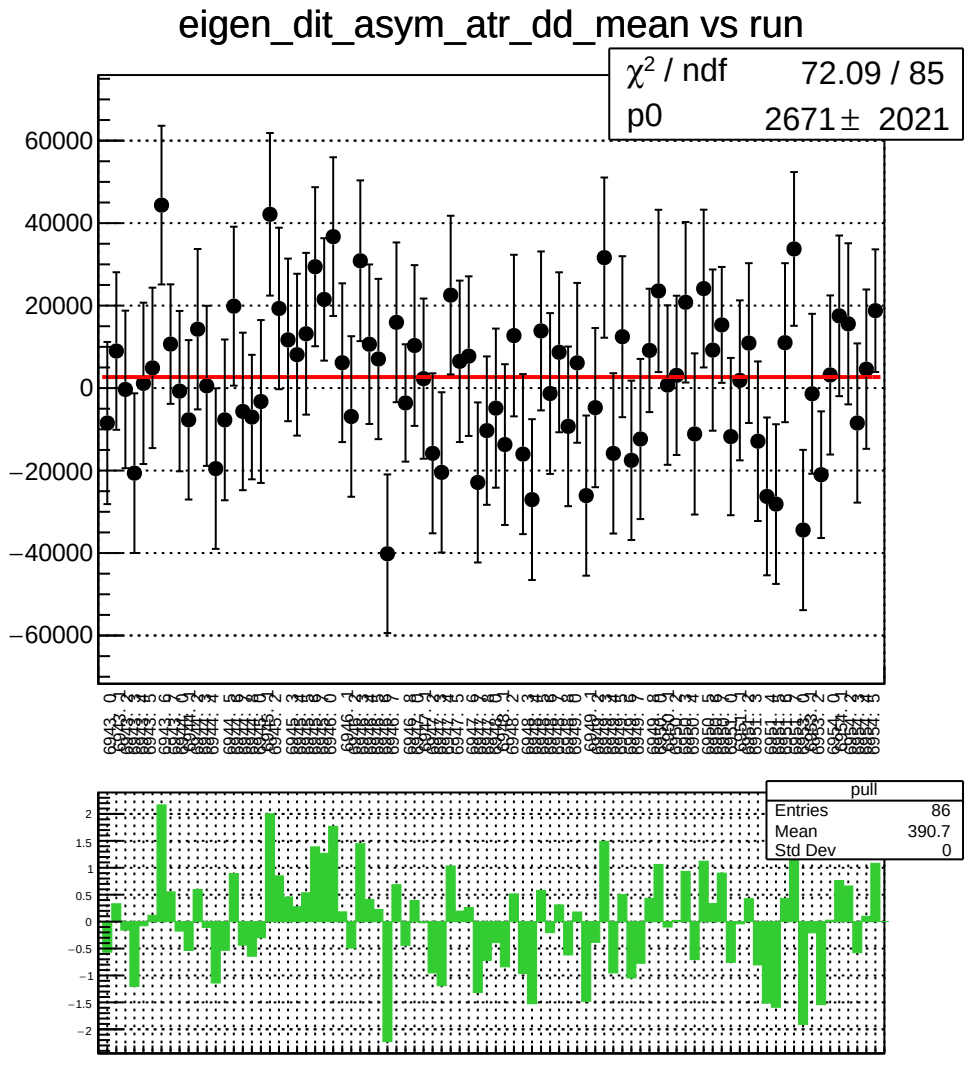

pull1D
Entries 86
Mean −0.006807
Std Dev 0.9155

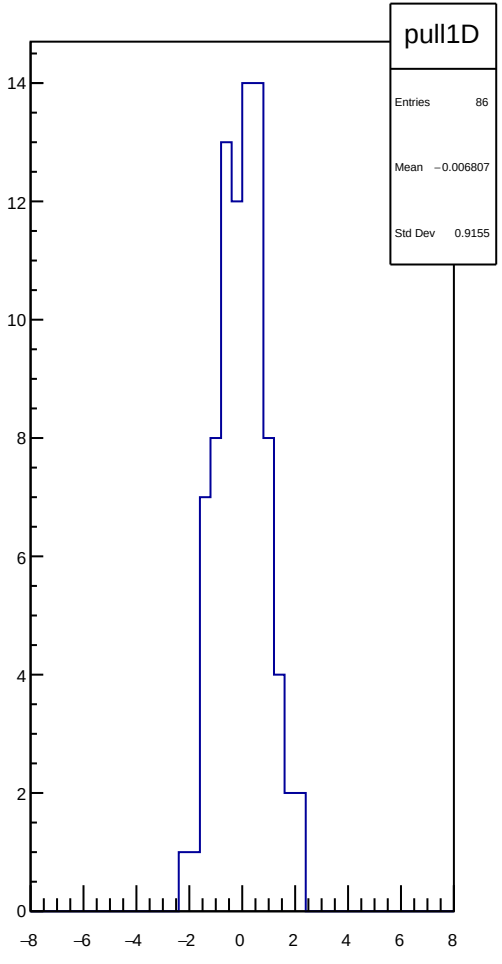

dit_asym_atr_dd_rms vs run
χ^2 / ndf 95 / 85
p0 1839 ± 1.429
1880
1860
1840
1820
1800

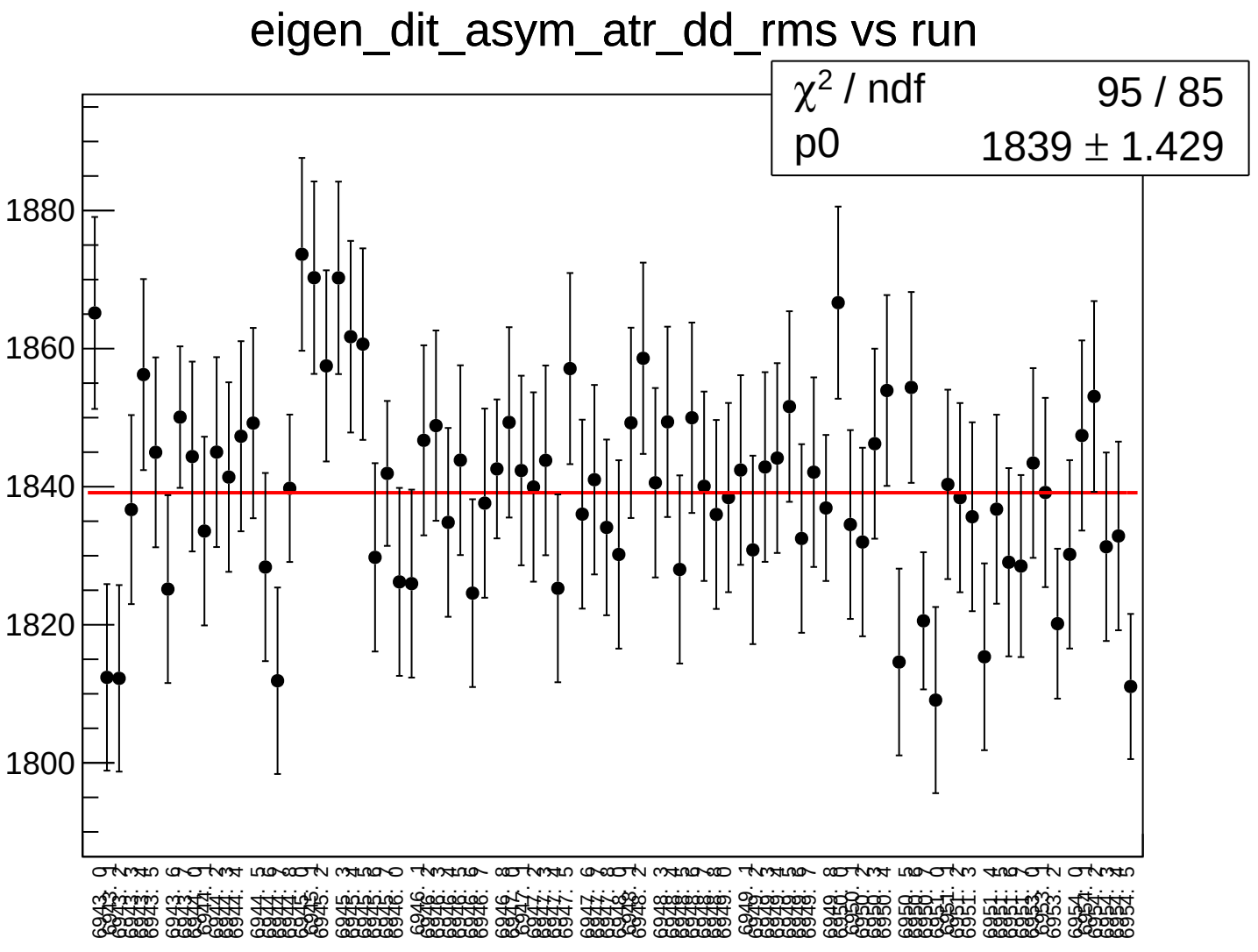

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 93.03 / 85
p0 −4184 ± 5821
200
100
0
−100
−200
pull
Entries 86
Mean 121.3
Std Dev 0
2
1
0
−1
−2
−3

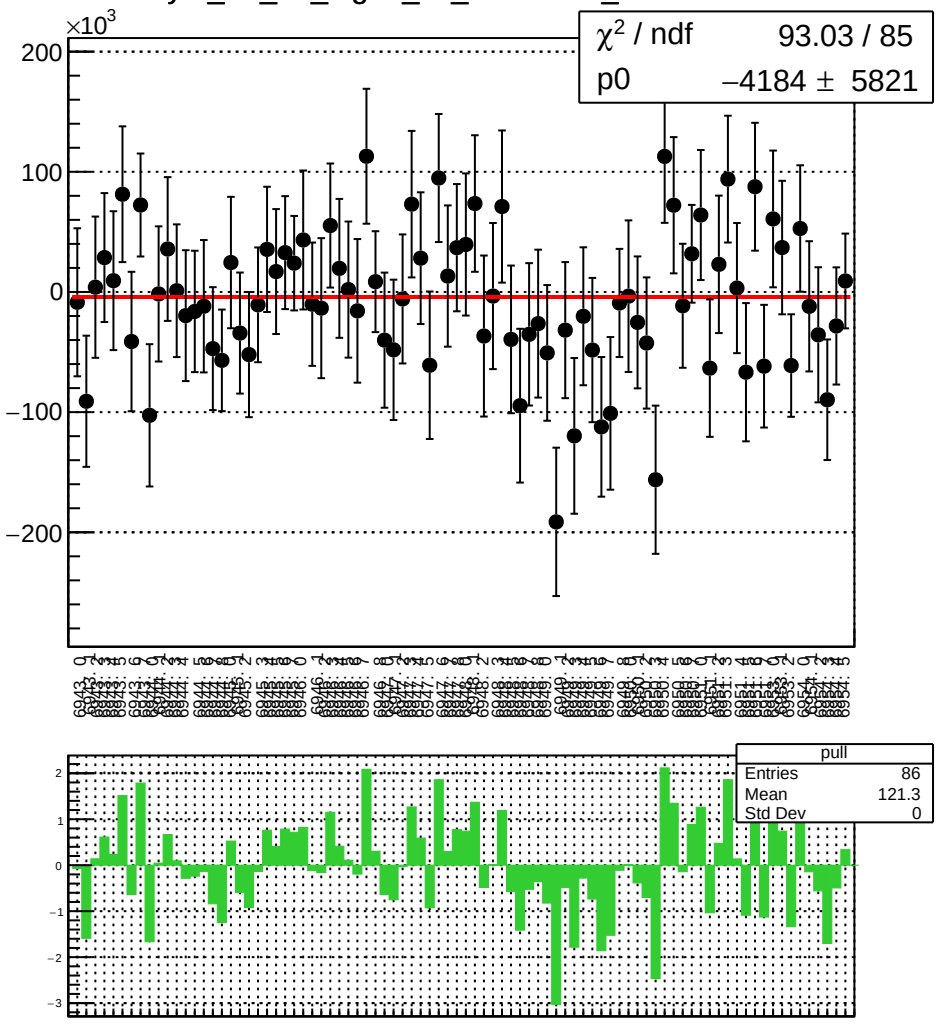

pull1D
Entries 86
Mean −0.02296
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

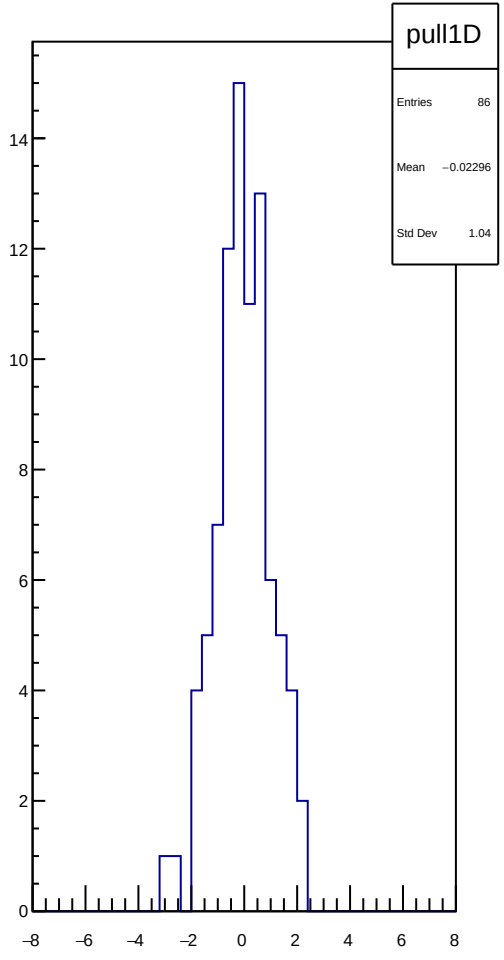

asym_atr_dd_dit_correction_rms vs run
χ^2 / ndf 8001 / 85
p0 5284 ± 4.116
6500
6000
5500
5000
4500

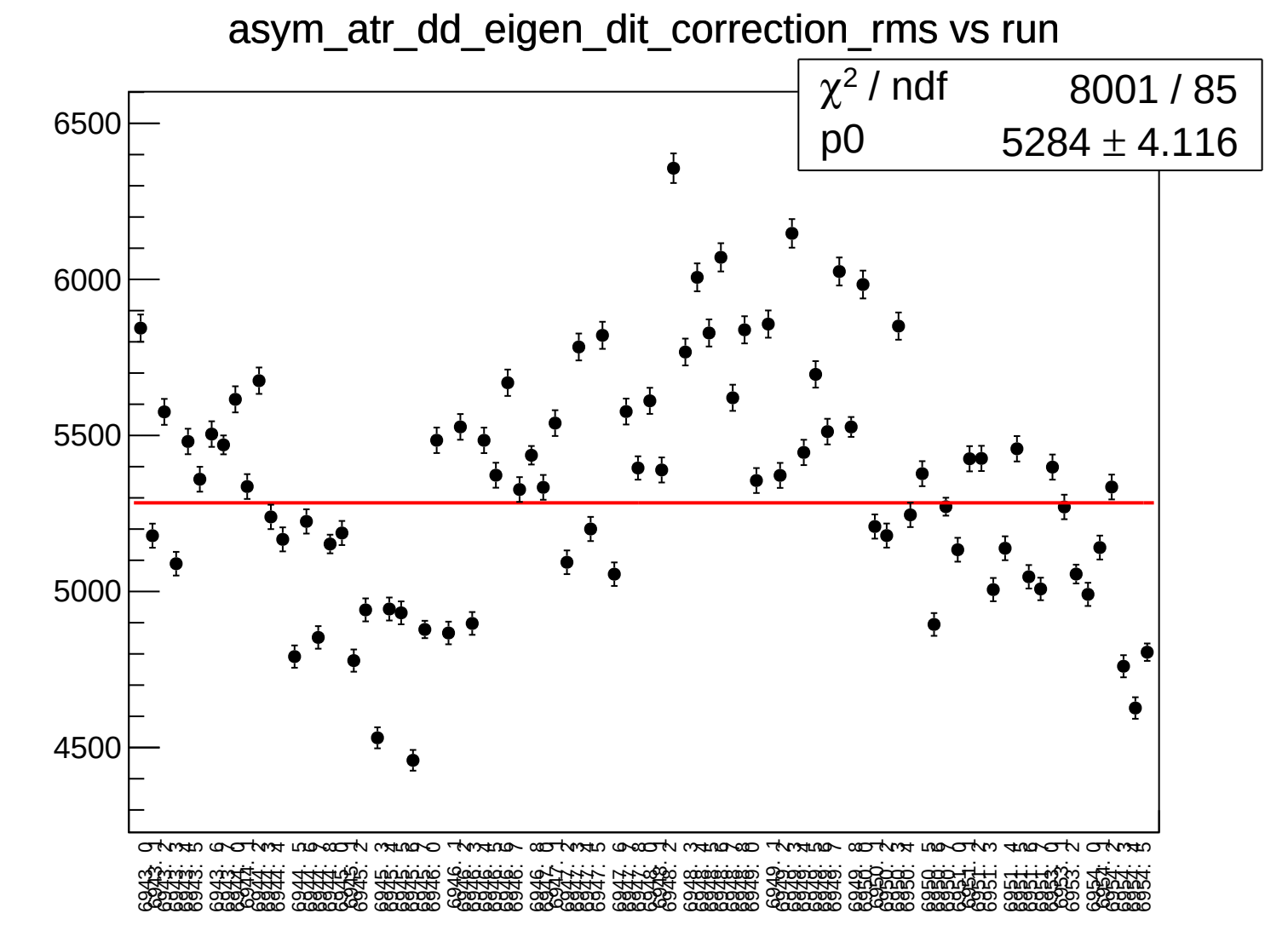

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 72.09 / 85
p0 2671 ± 2021
pull
Entries 86
Mean 390.7
Std Dev 0

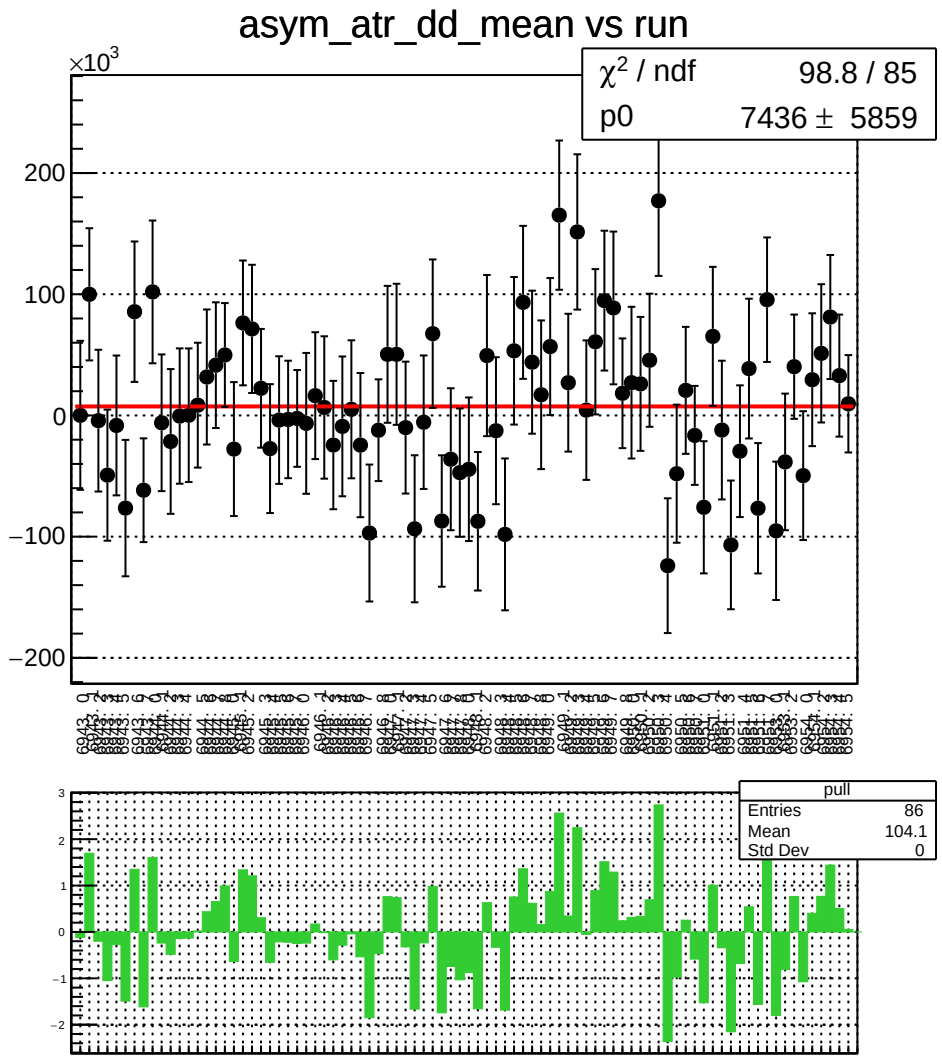

pull1D
Entries 86
Mean −0.006807
Std Dev 0.9155

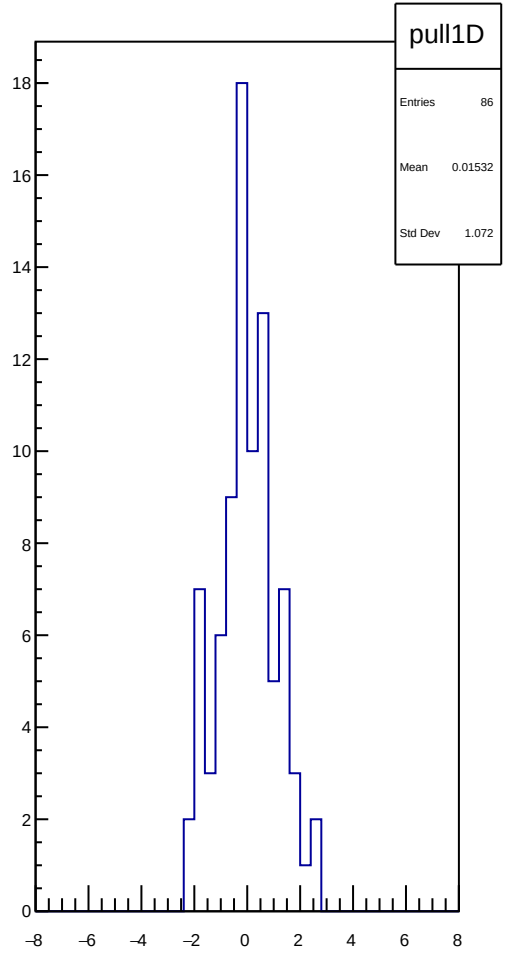

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 95 / 85
p0 1839 ± 1.429
1880
1860
1840
1820
1800

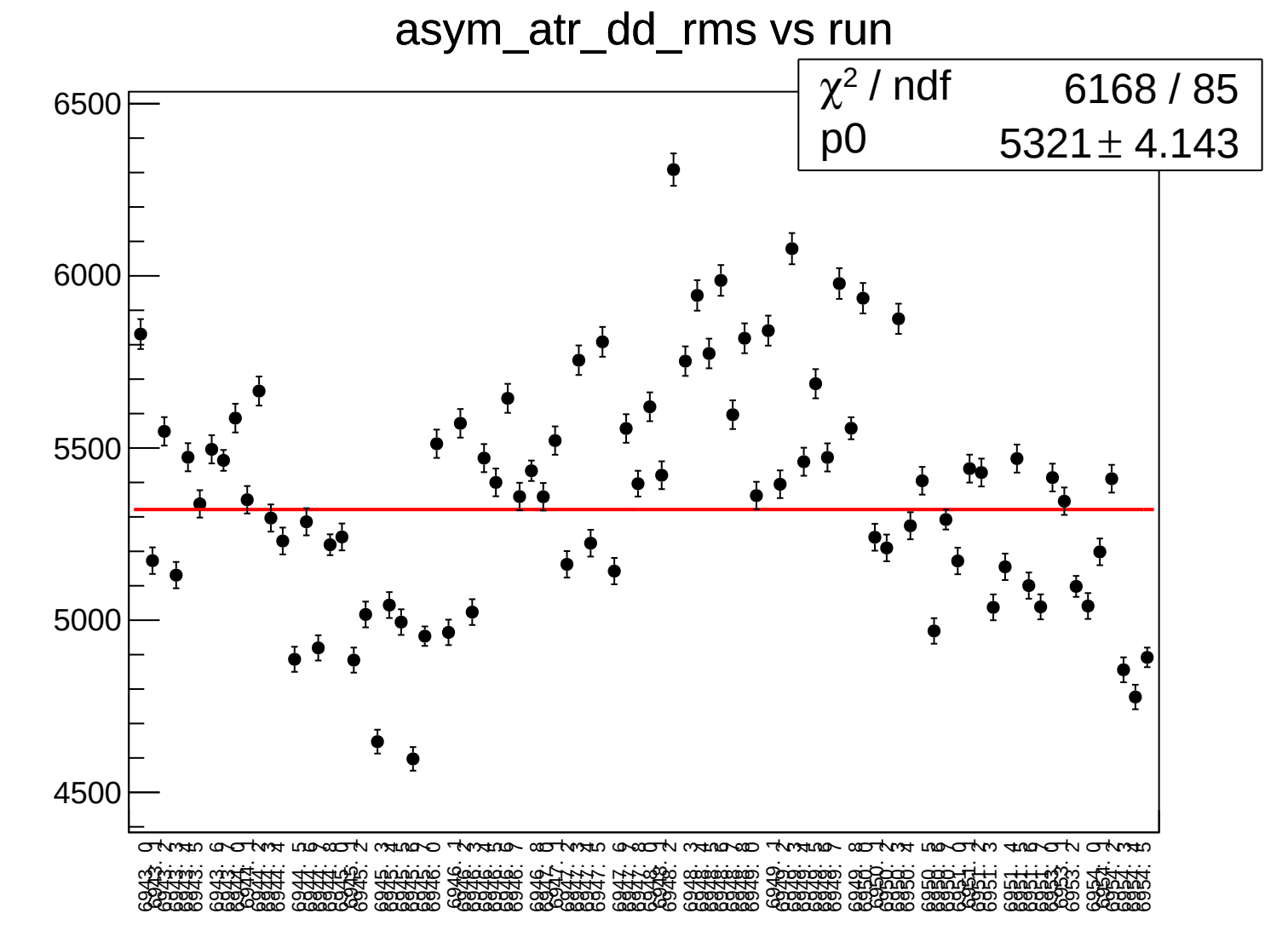

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 93.03 / 85
p0 −4184 ± 5821
200
100
0
−100
−200
pull
Entries 86
Mean 121.3
Std Dev 0
2
1
0
−1
−2
−3

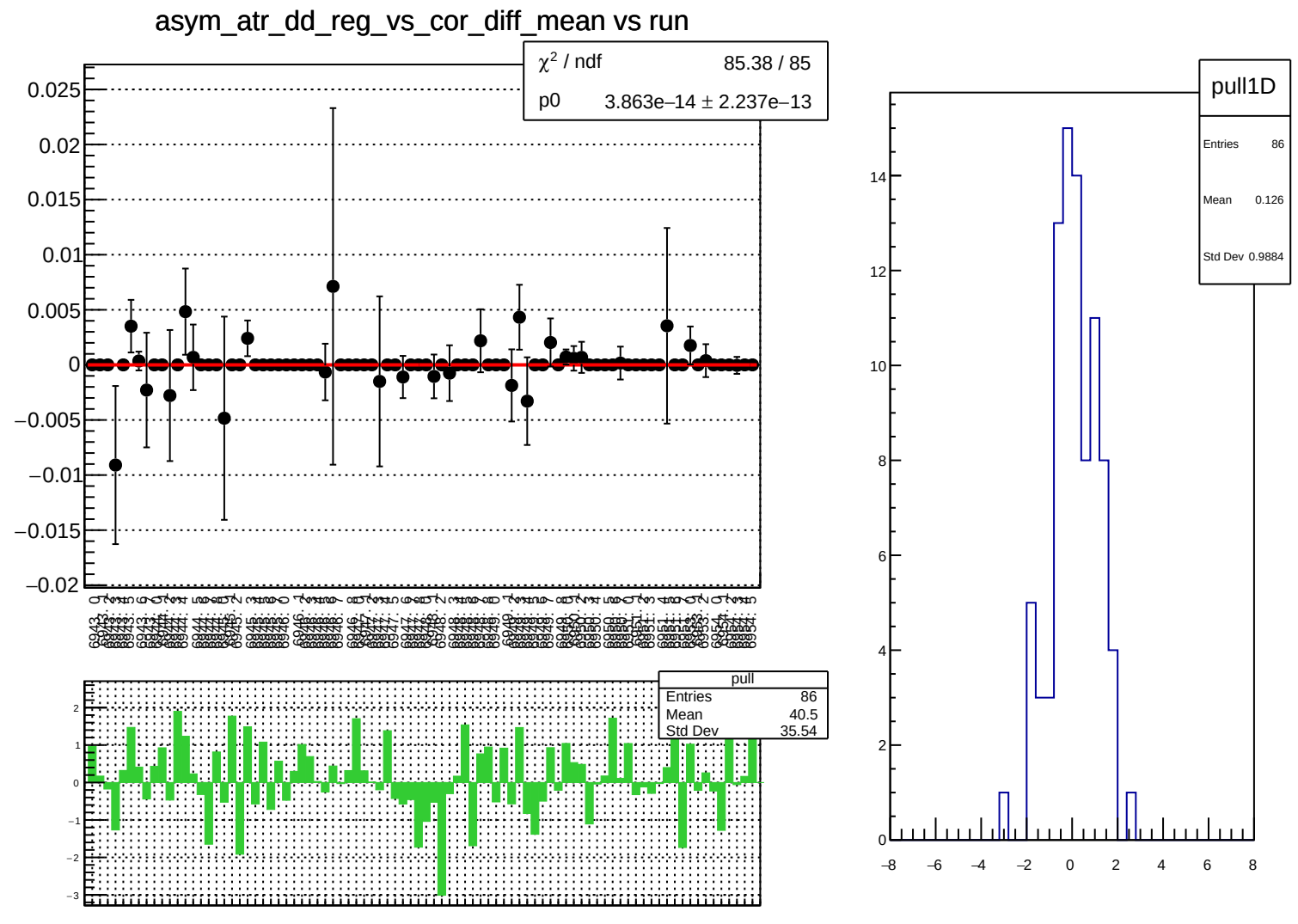

pull1D
Entries 86
Mean −0.02296
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

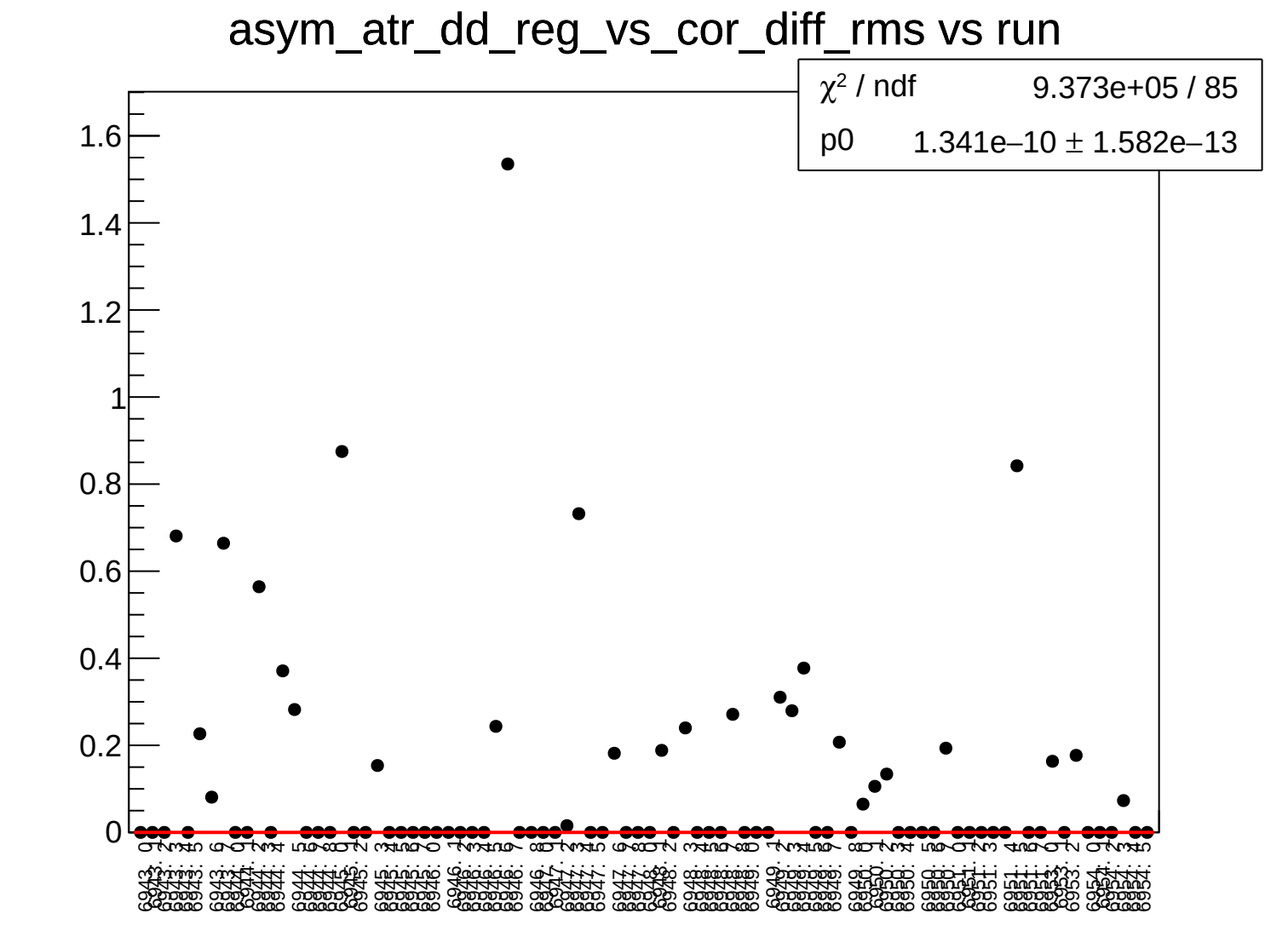

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 8001 / 85
p0 5284 ± 4.116
6500
6000
5500
5000
4500

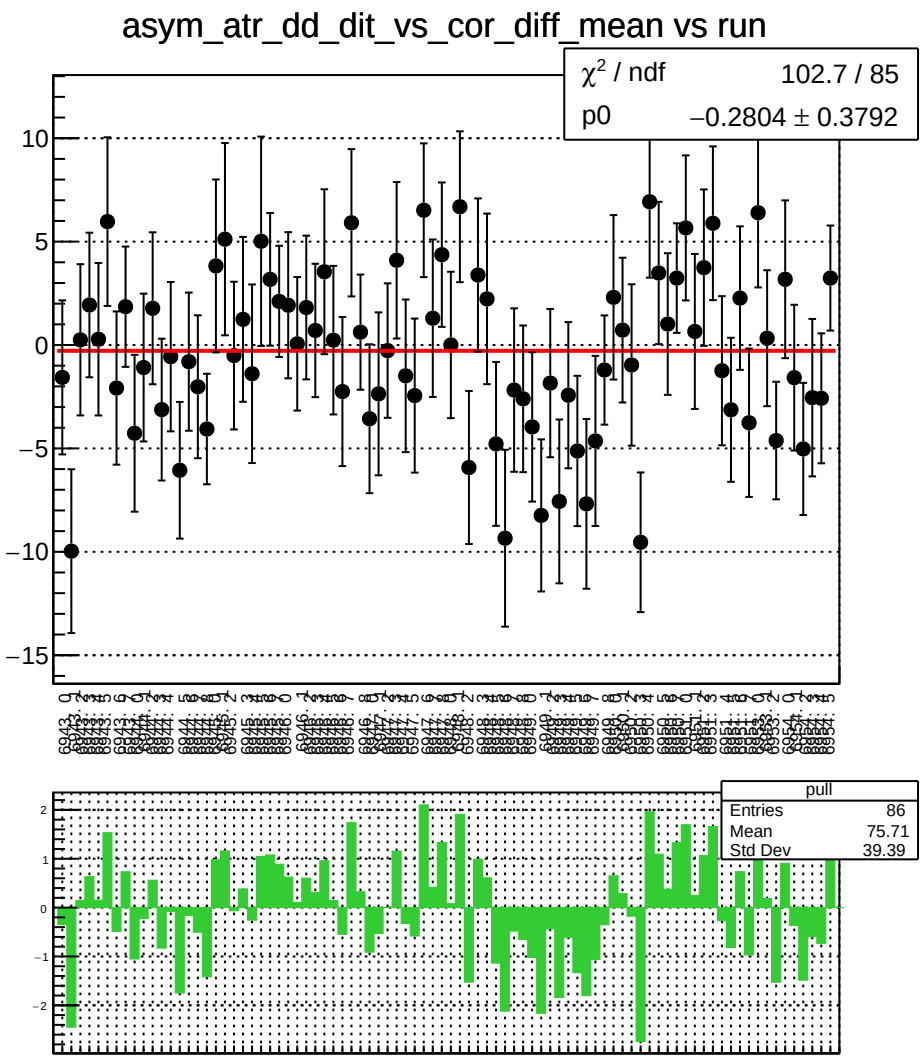

asym_atr_dd_mean vs run
×10^3
χ² / ndf 98.8 / 85
p0 7436 ± 5859
200
100
0
−100
−200
pull
Entries 86
Mean 104.1
Std Dev 0
3
2
1
0
−1
−2

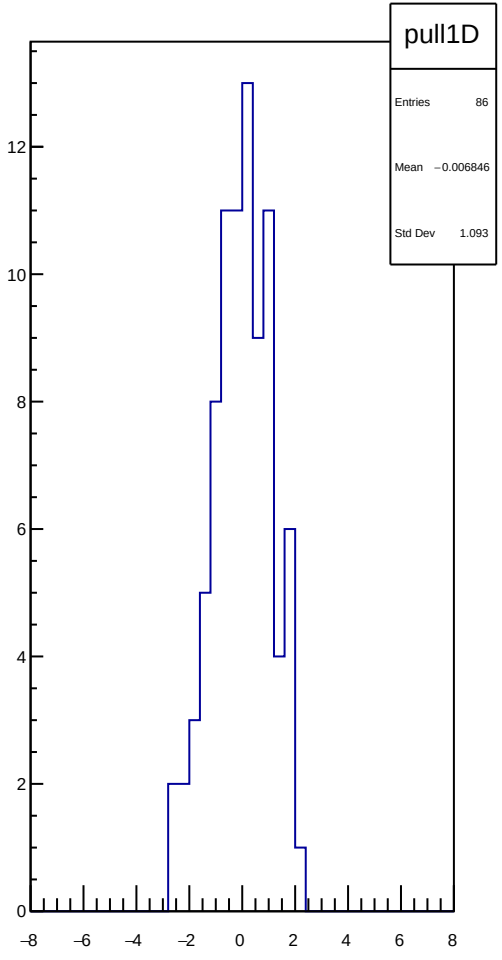

pull1D
Entries 86
Mean 0.01532
Std Dev 1.072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

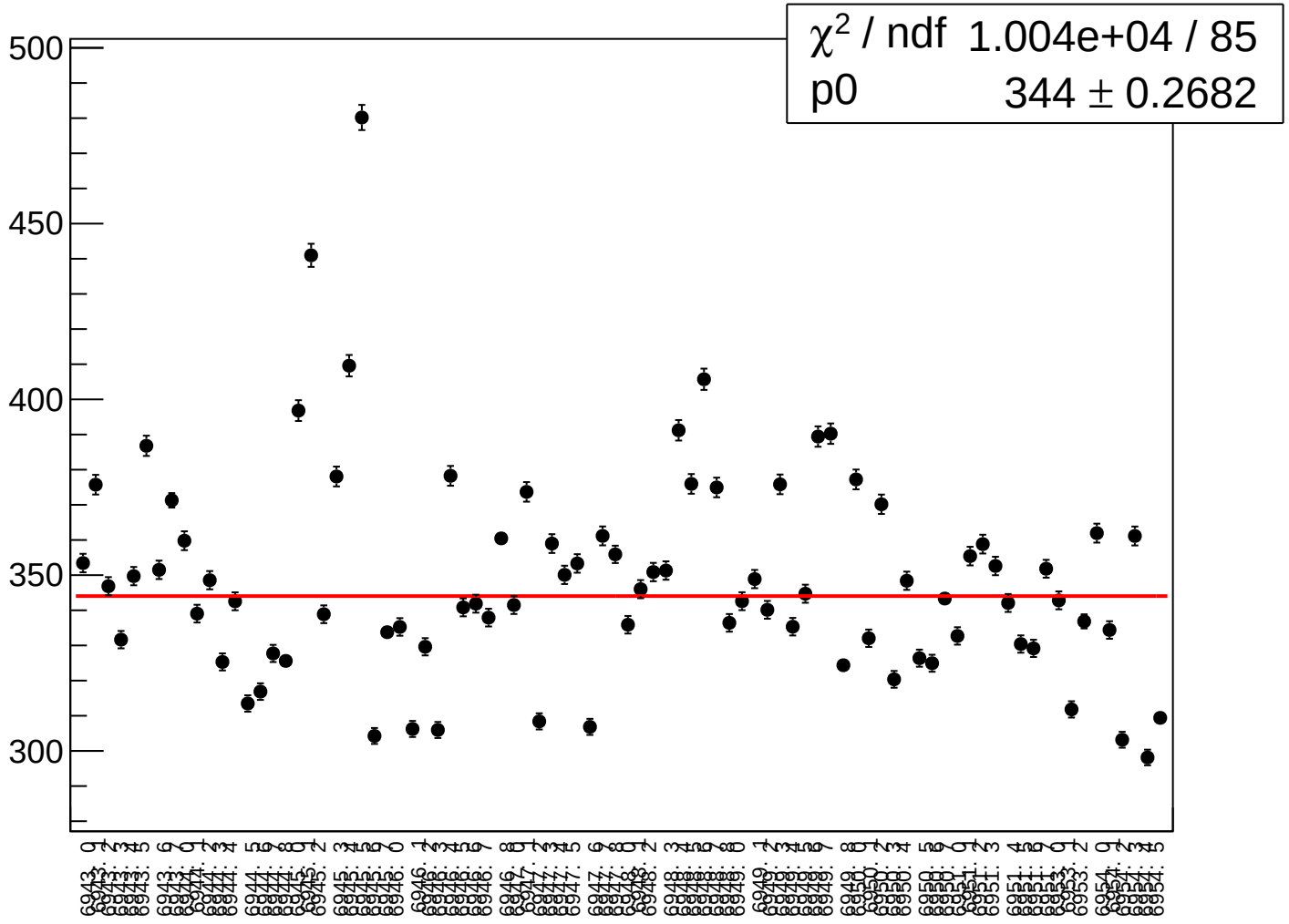

asym_atr_dd_rms vs run
χ² / ndf 6168 / 85
p0 5321 ± 4.143
6500
6000
5500
5000
4500

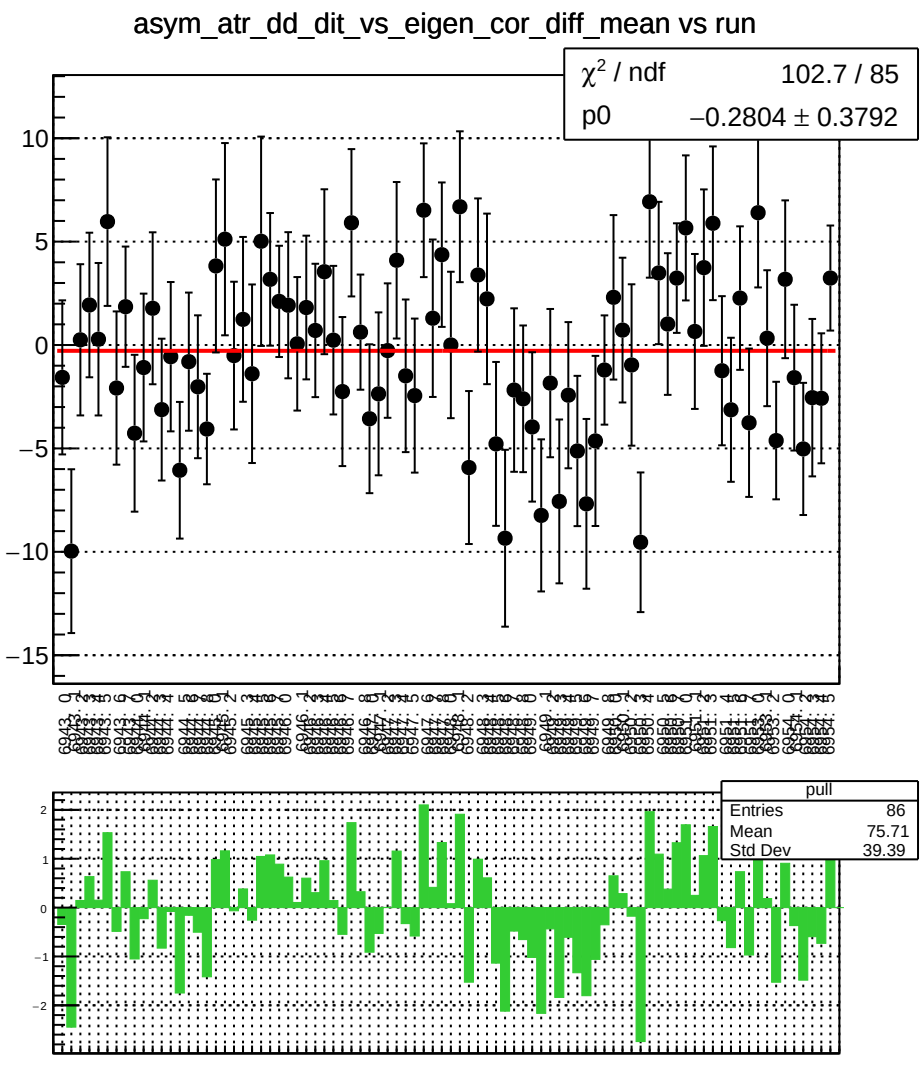

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 85.38 / 85
p0 3.863e−14 ± 2.237e−13
pull
Entries 86
Mean 40.5
Std Dev 35.54
pull1D
Entries 86
Mean 0.126
Std Dev 0.9884

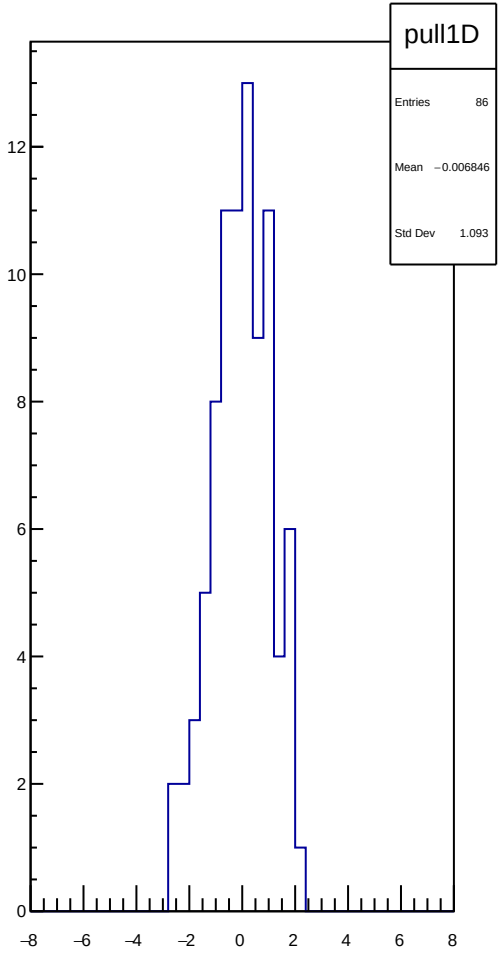

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.373e+05 / 85
p0 1.341e−10 ± 1.582e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

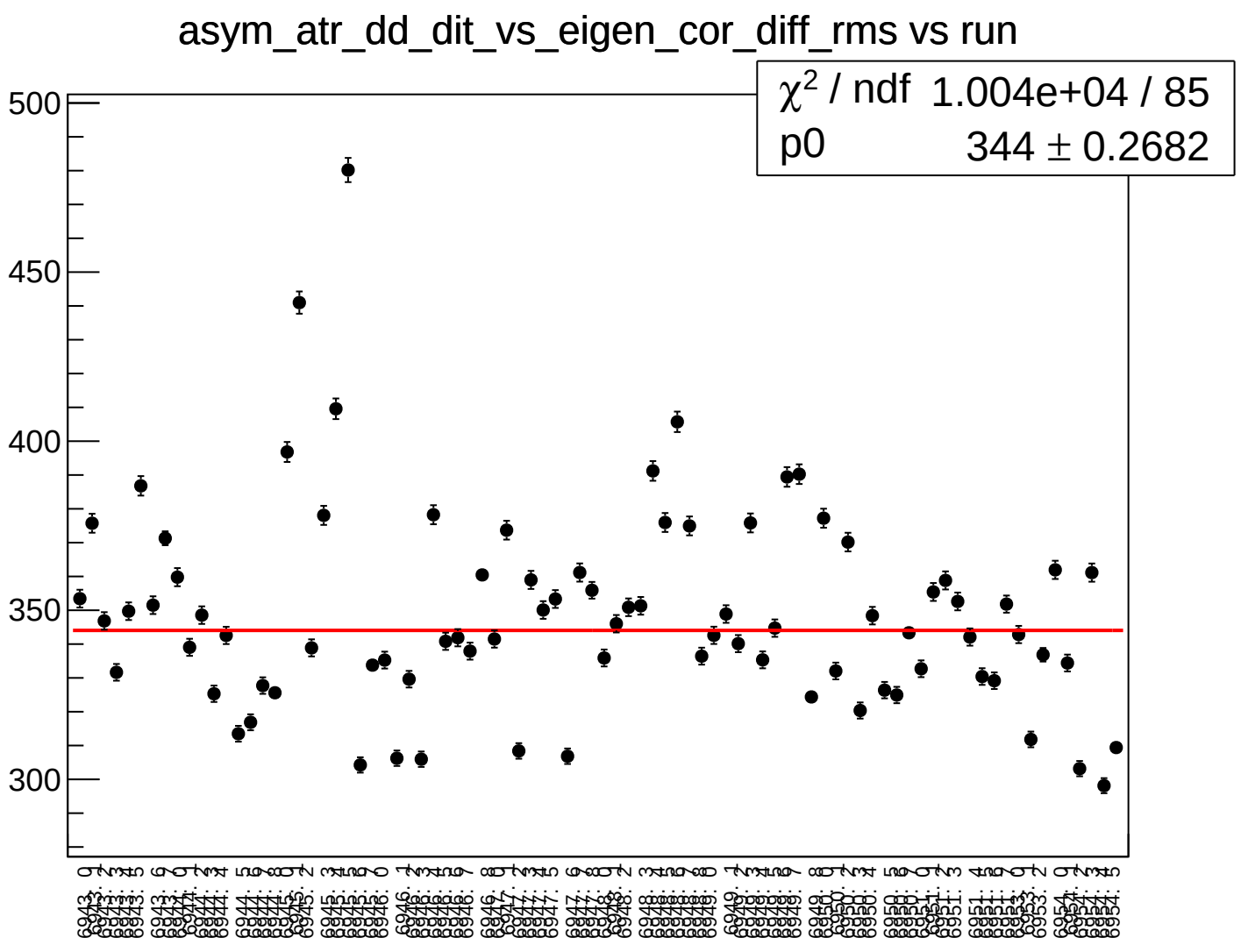

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.2804 ± 0.3792
pull
Entries 86
Mean 75.71
Std Dev 39.39

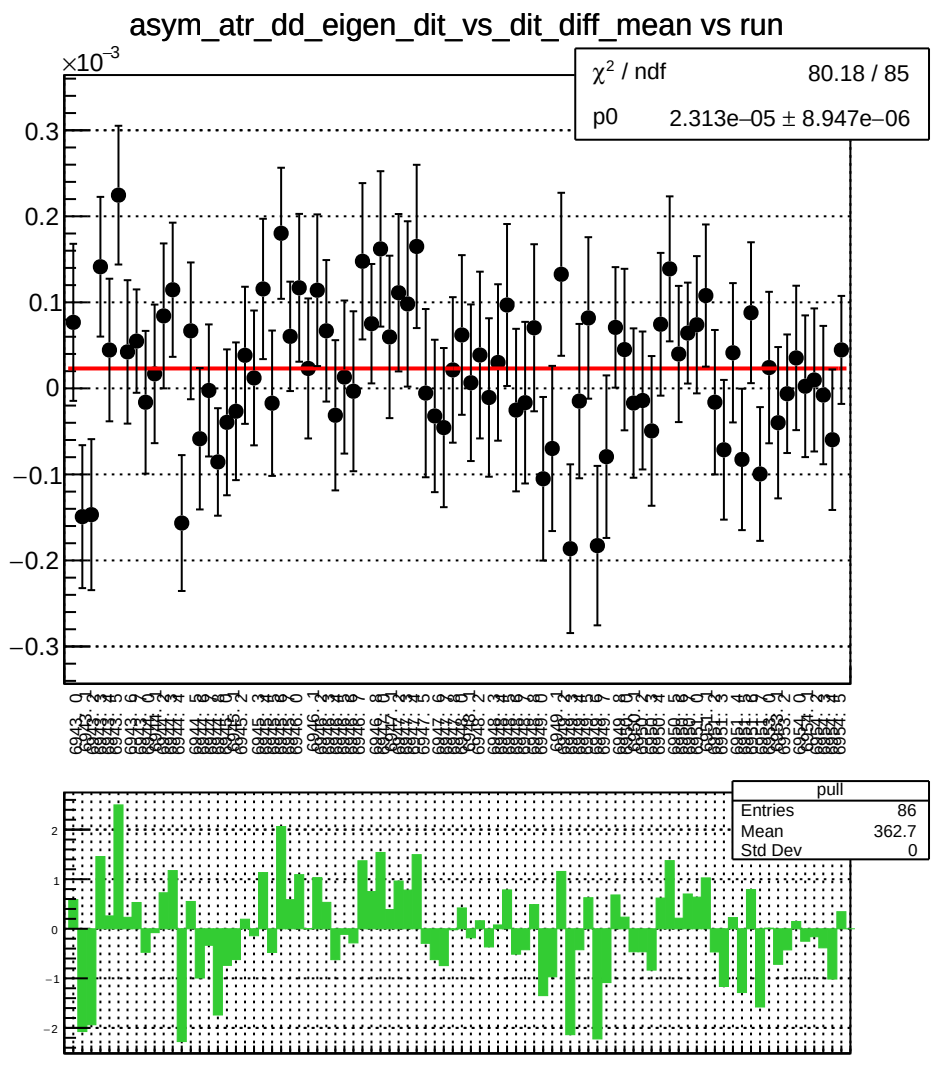

pull1D
Entries 86
Mean −0.006846
Std Dev 1.093

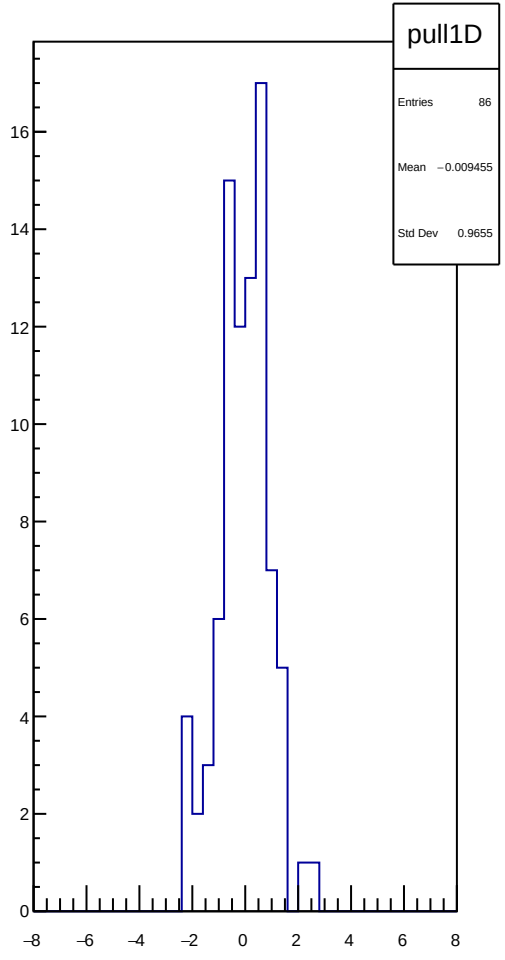

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.004e+04 / 85
p0 344 ± 0.2682
500
450
400
350
300

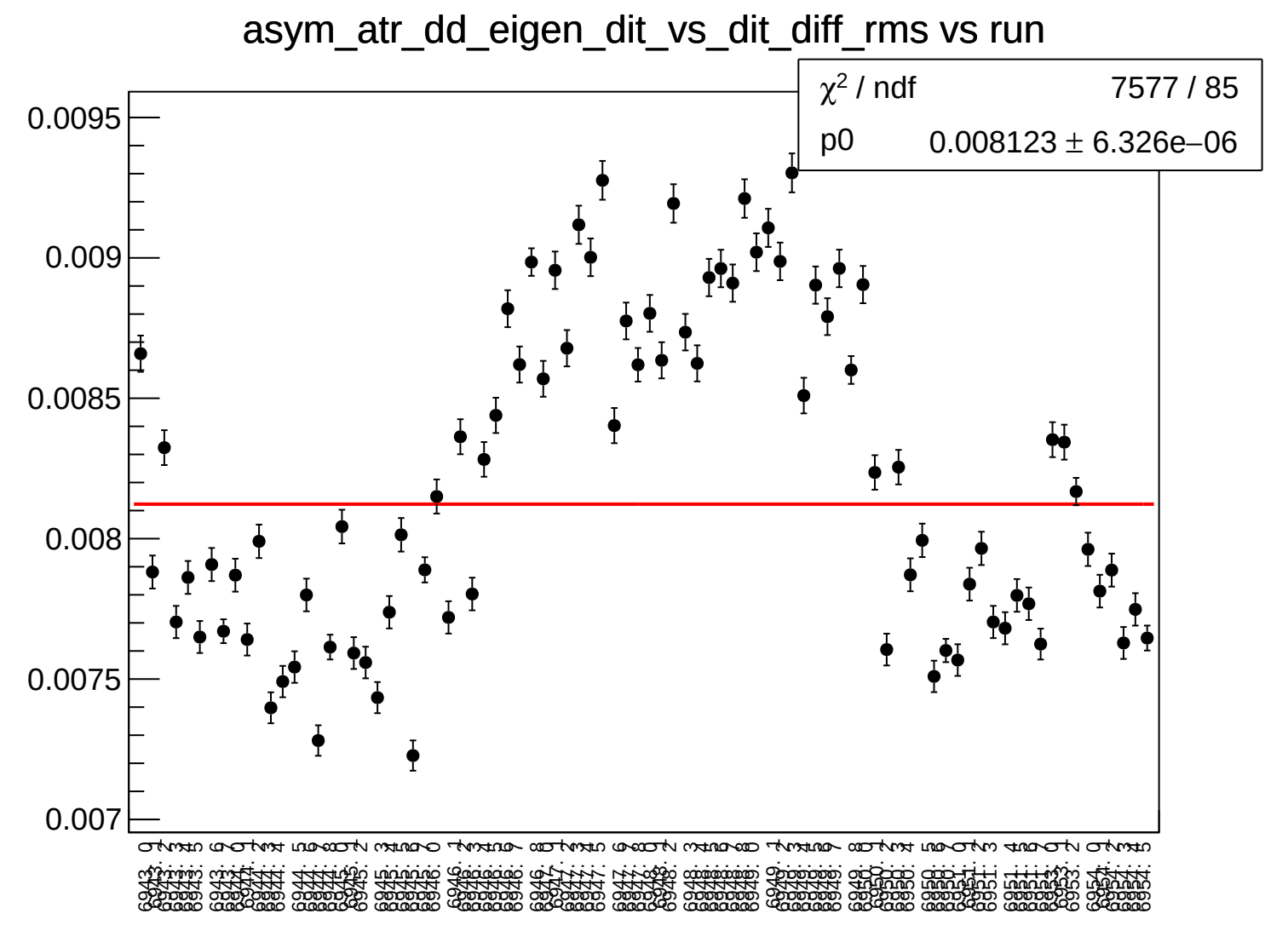

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.2804 ± 0.3792
pull
Entries 86
Mean 75.71
Std Dev 39.39

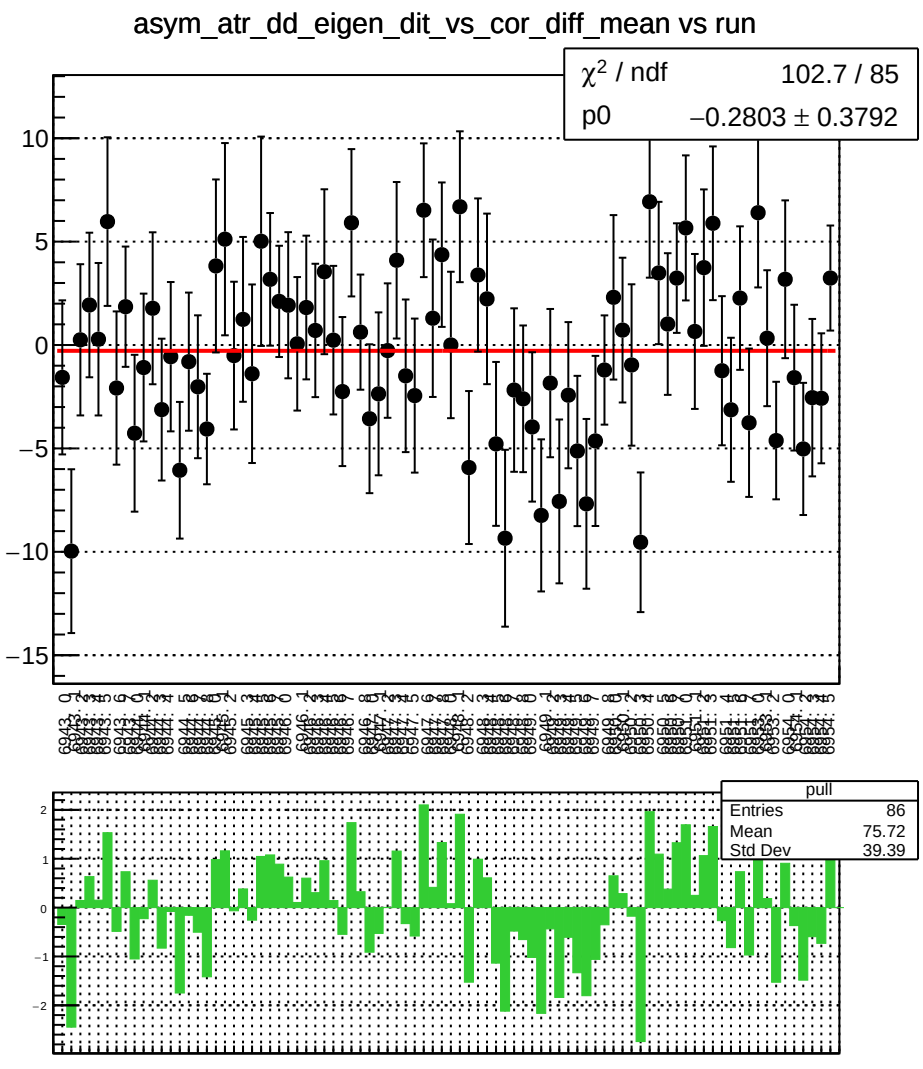

pull1D
Entries 86
Mean −0.006846
Std Dev 1.093

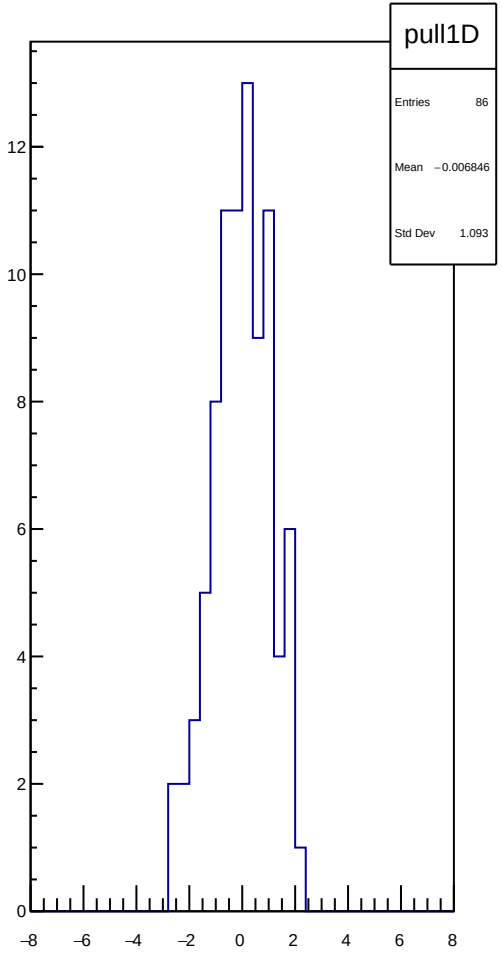

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.004e+04 / 85
p0 344 ± 0.2682
500
450
400
350
300

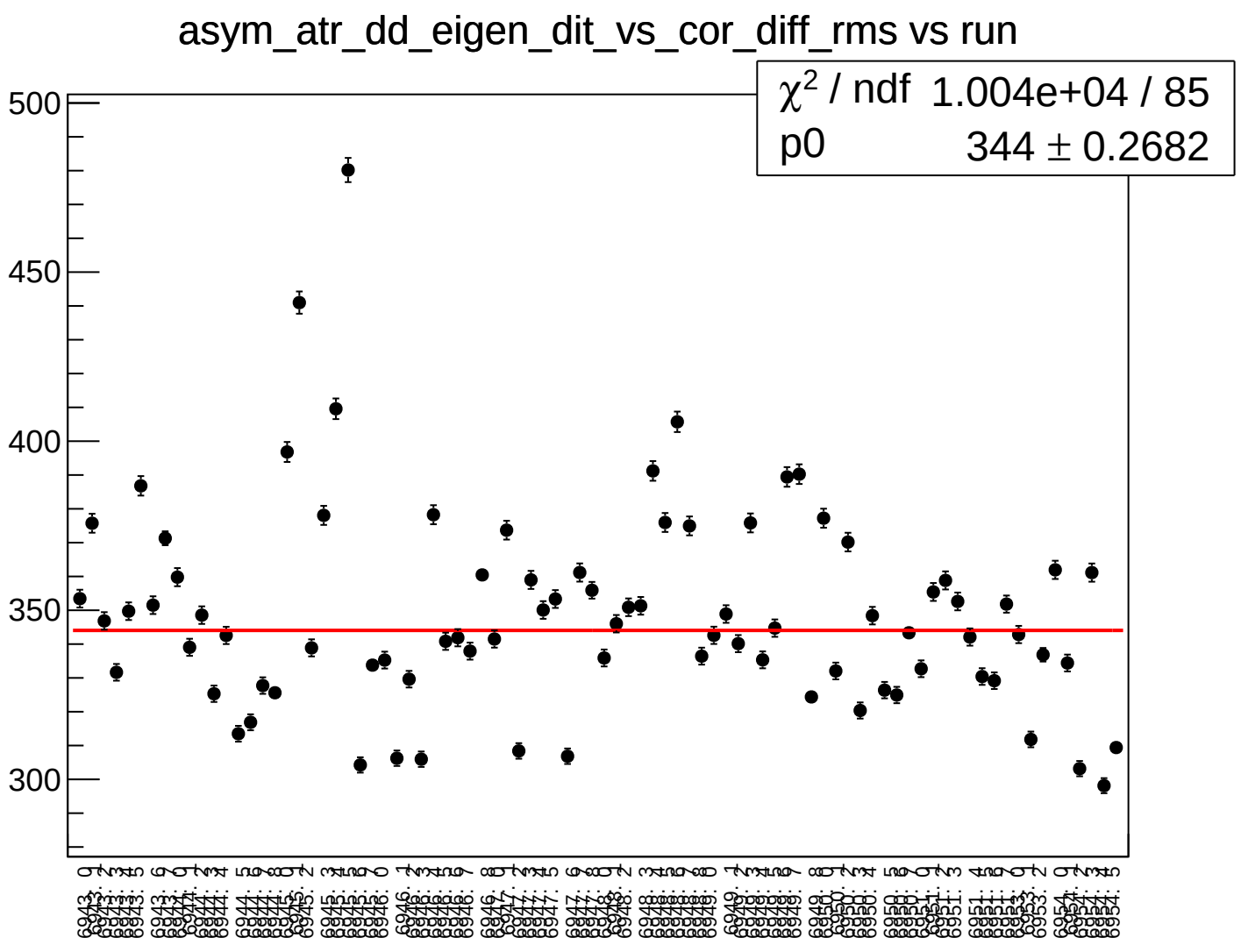

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.18 / 85
p0 2.313e−05 ± 8.947e−06
pull
Entries 86
Mean 362.7
Std Dev 0

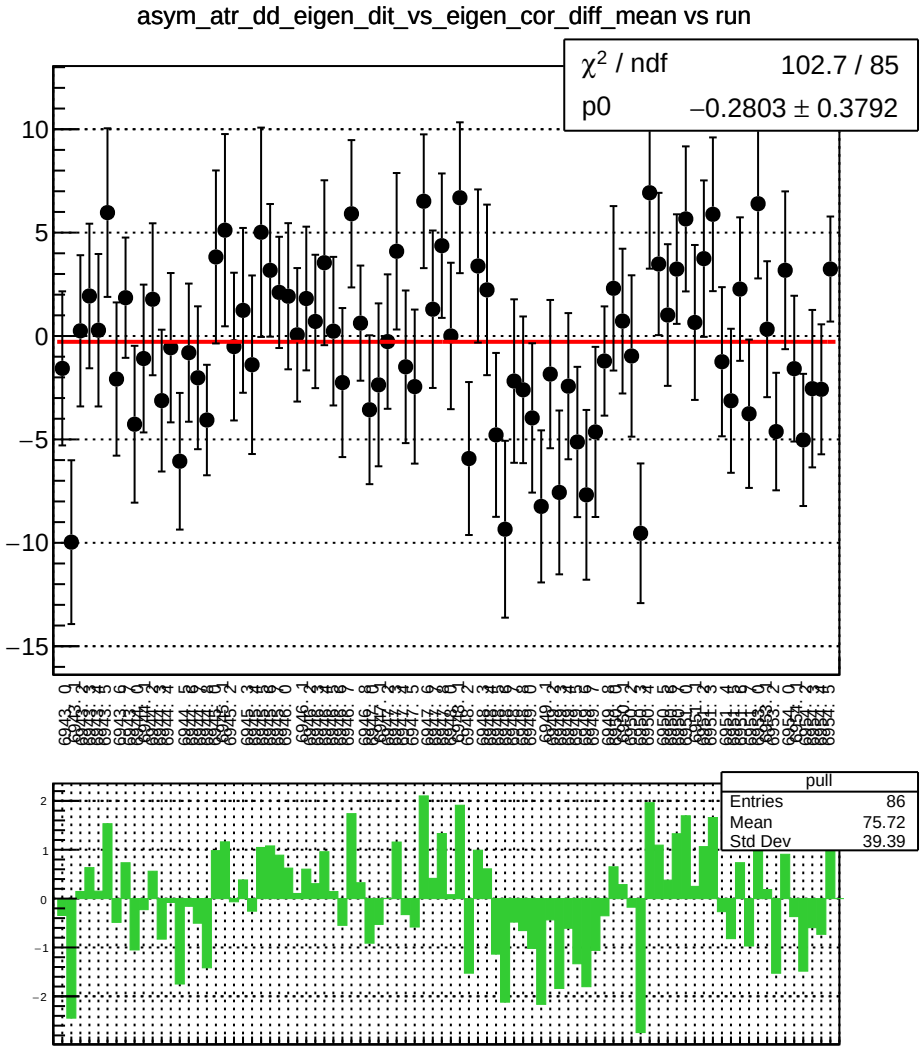

pull1D
Entries 86
Mean −0.009455
Std Dev 0.9655

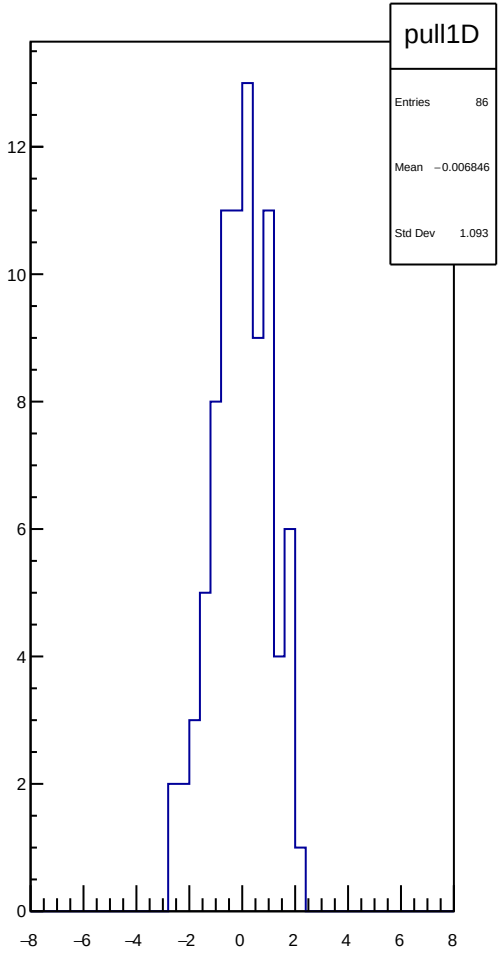

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7577 / 85
p0 0.008123 ± 6.326e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

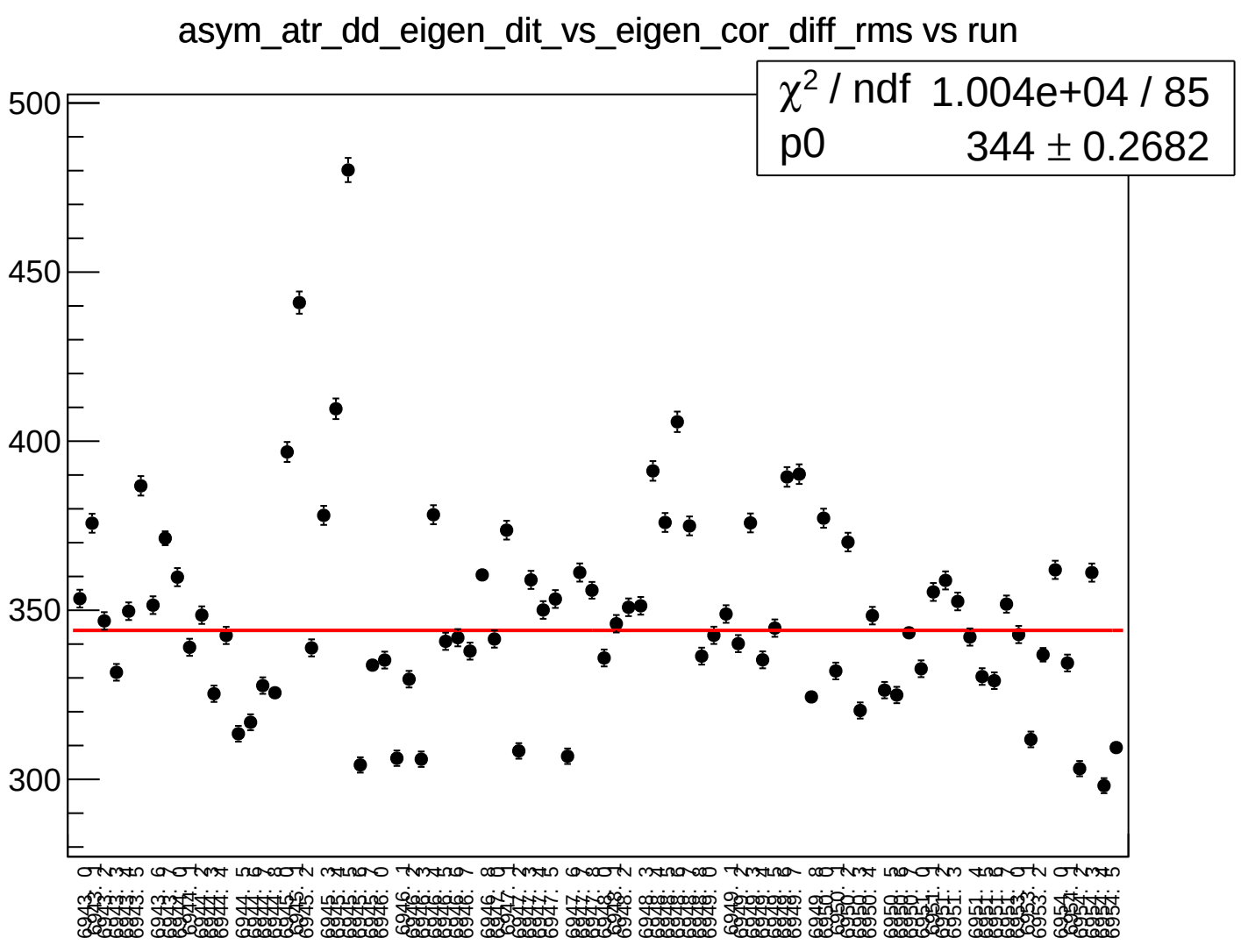

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.2803 ± 0.3792
pull
Entries 86
Mean 75.72
Std Dev 39.39

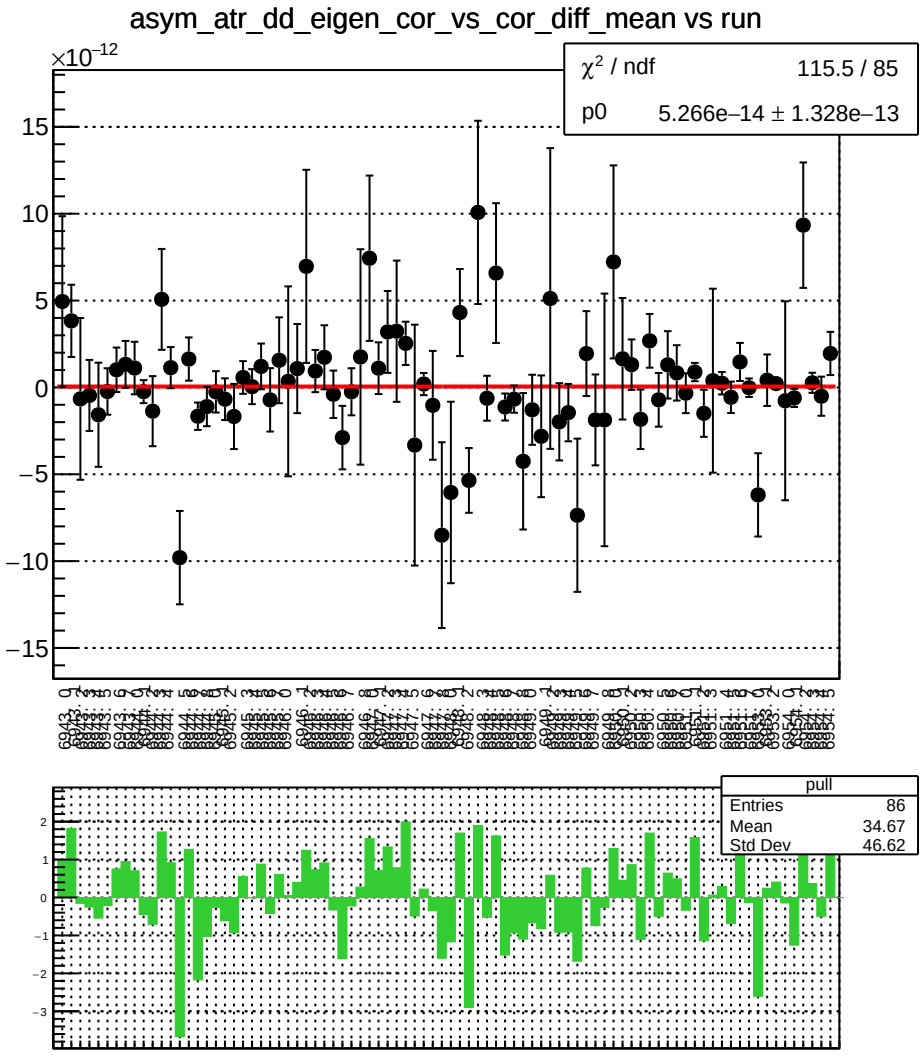

pull1D
Entries 86
Mean −0.006846
Std Dev 1.093

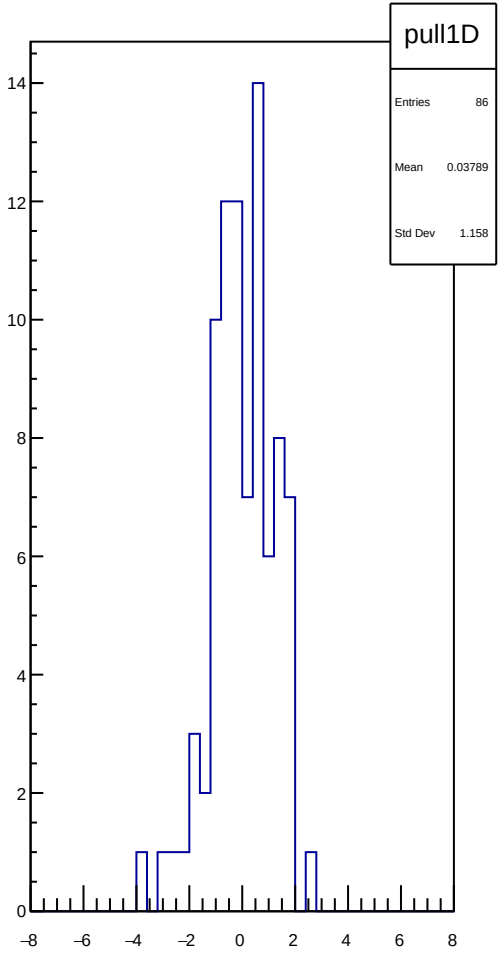

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.004e+04 / 85
p0 344 ± 0.2682
500
450
400
350
300

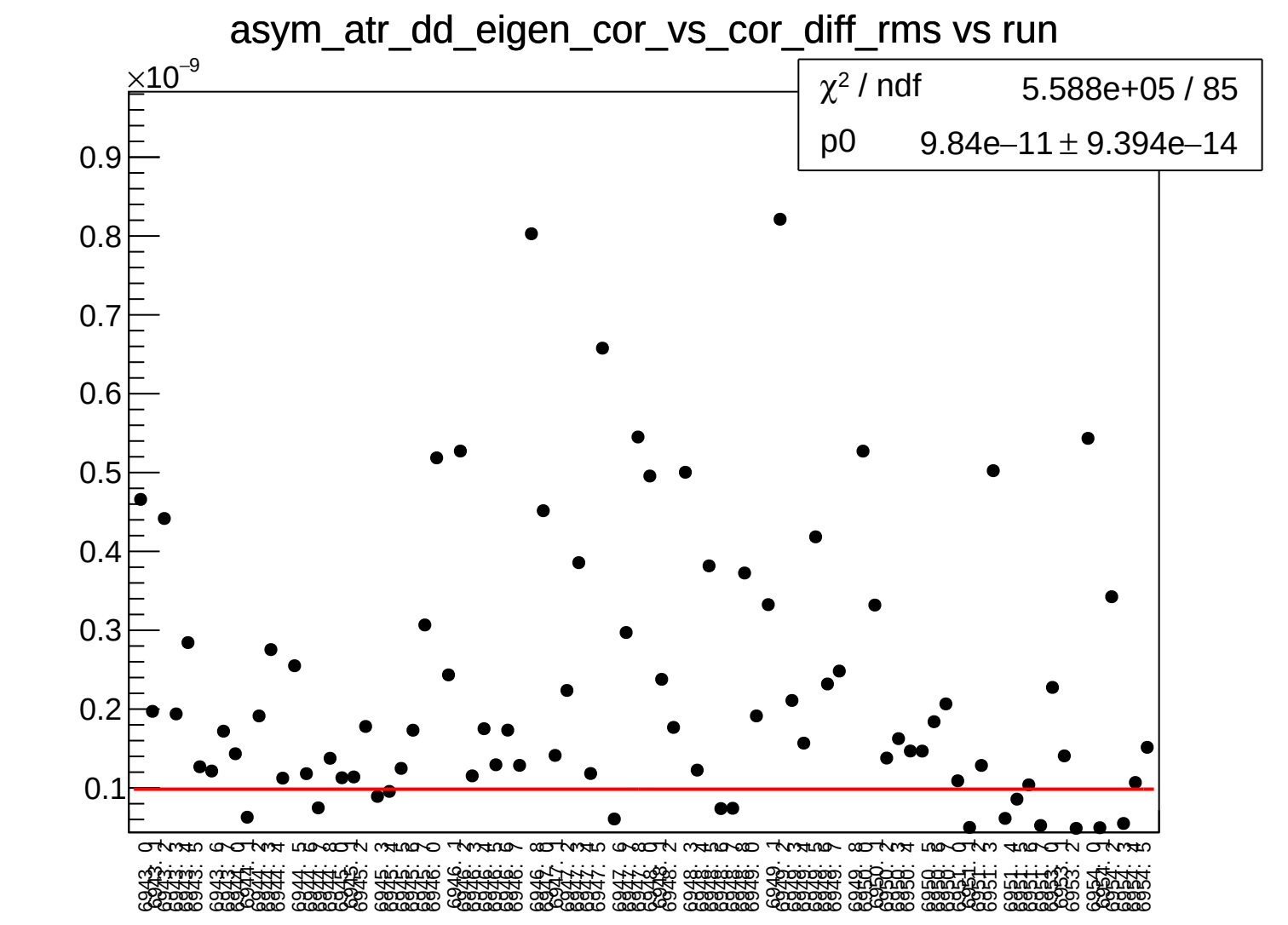

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.7 / 85
p0 −0.2803 ± 0.3792
pull
Entries 86
Mean 75.72
Std Dev 39.39

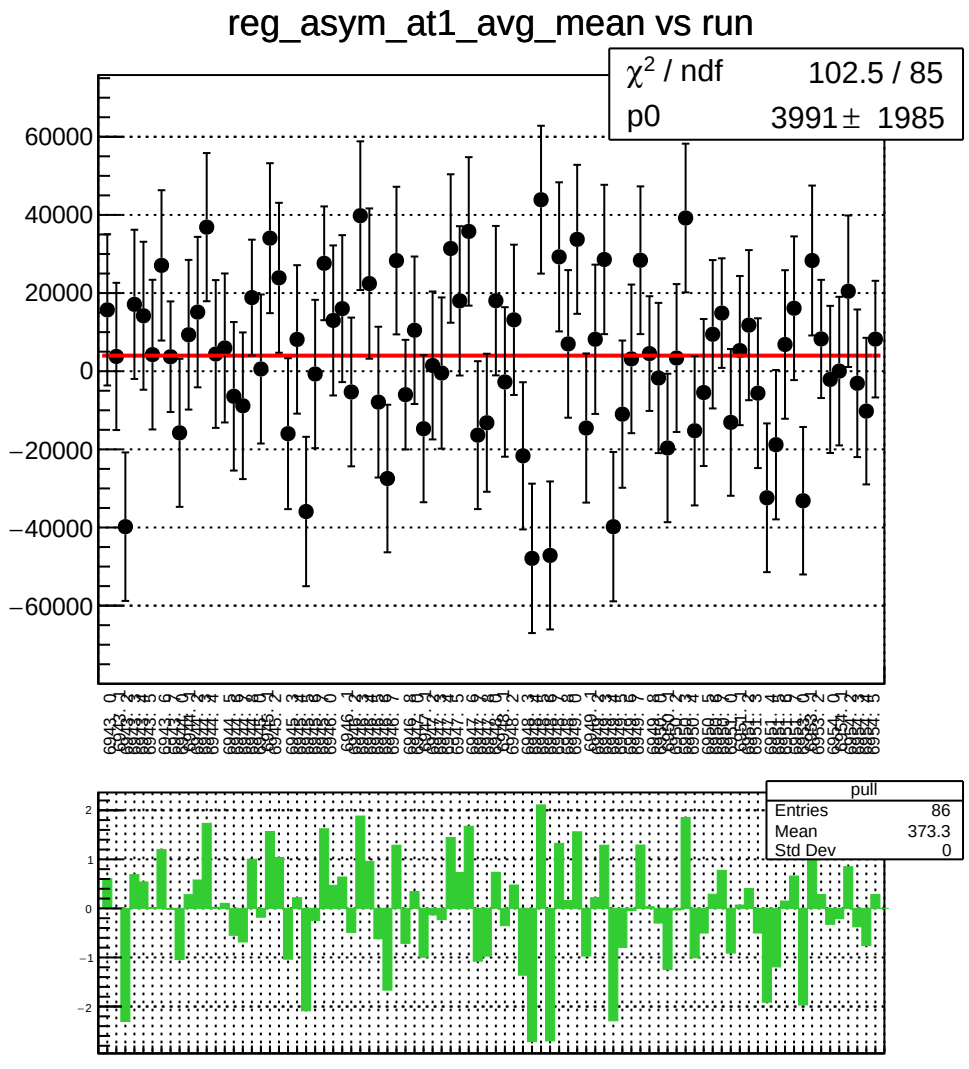

pull1D
Entries 86
Mean −0.006846
Std Dev 1.093

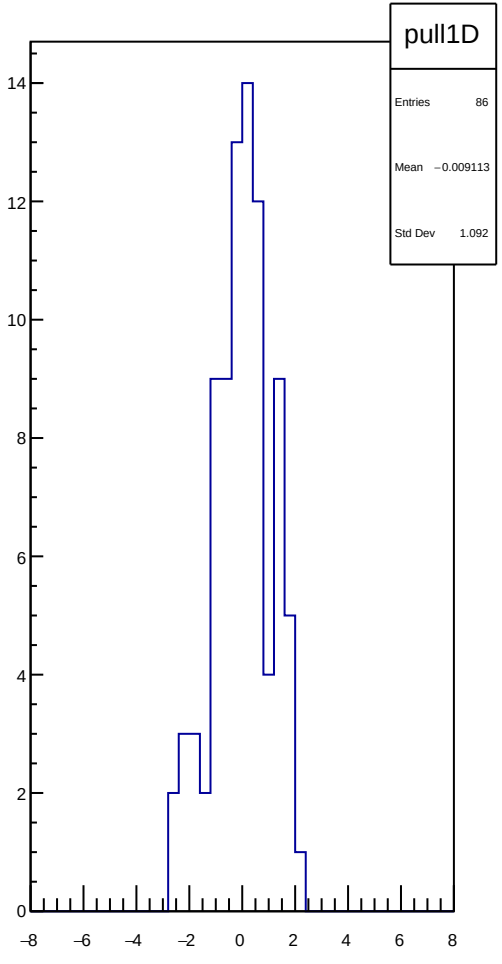

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.004e+04 / 85
p0 344 ± 0.2682
500
450
400
350
300

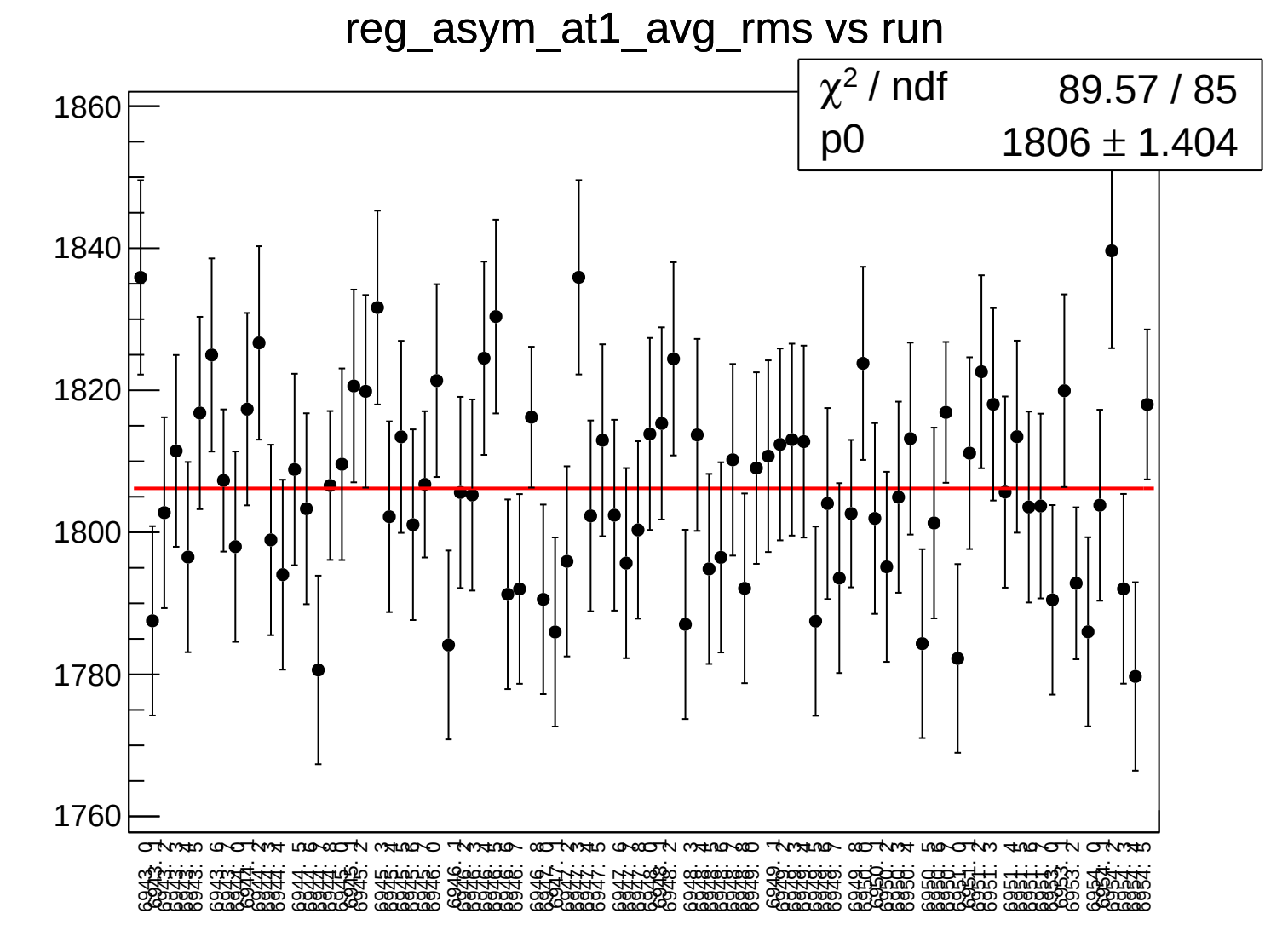

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 115.5 / 85
p0 5.266e−14 ± 1.328e−13
pull
Entries 86
Mean 34.67
Std Dev 46.62

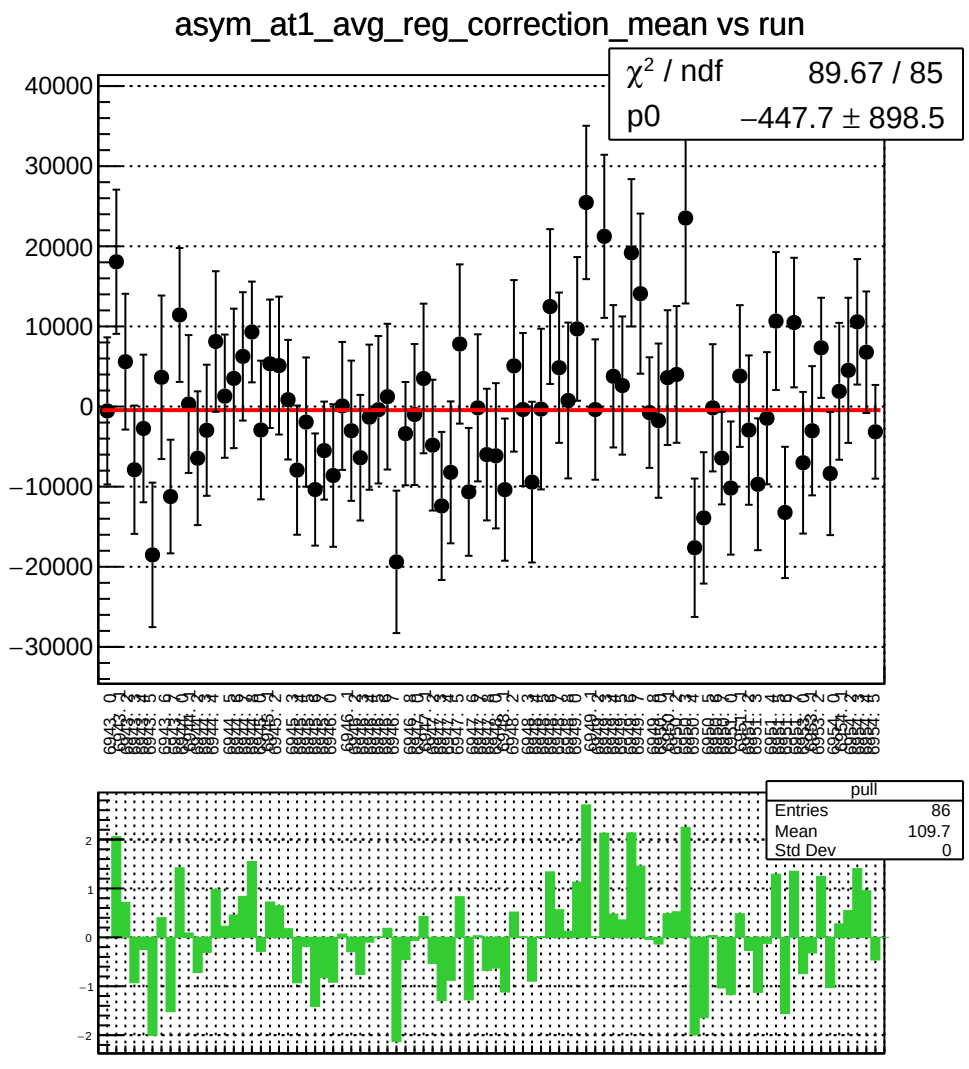

pull1D
Entries 86
Mean 0.03789
Std Dev 1.158

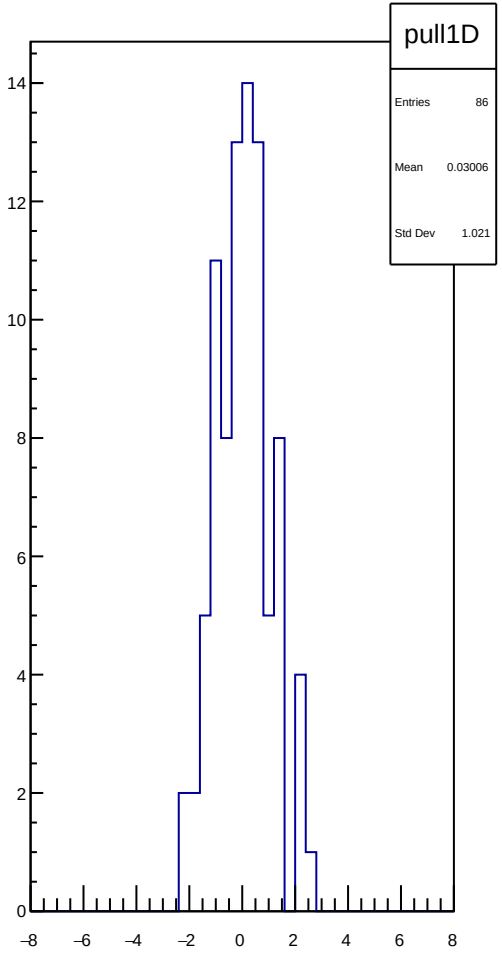

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.588e+05 / 85
p0 9.84e−11 ± 9.394e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

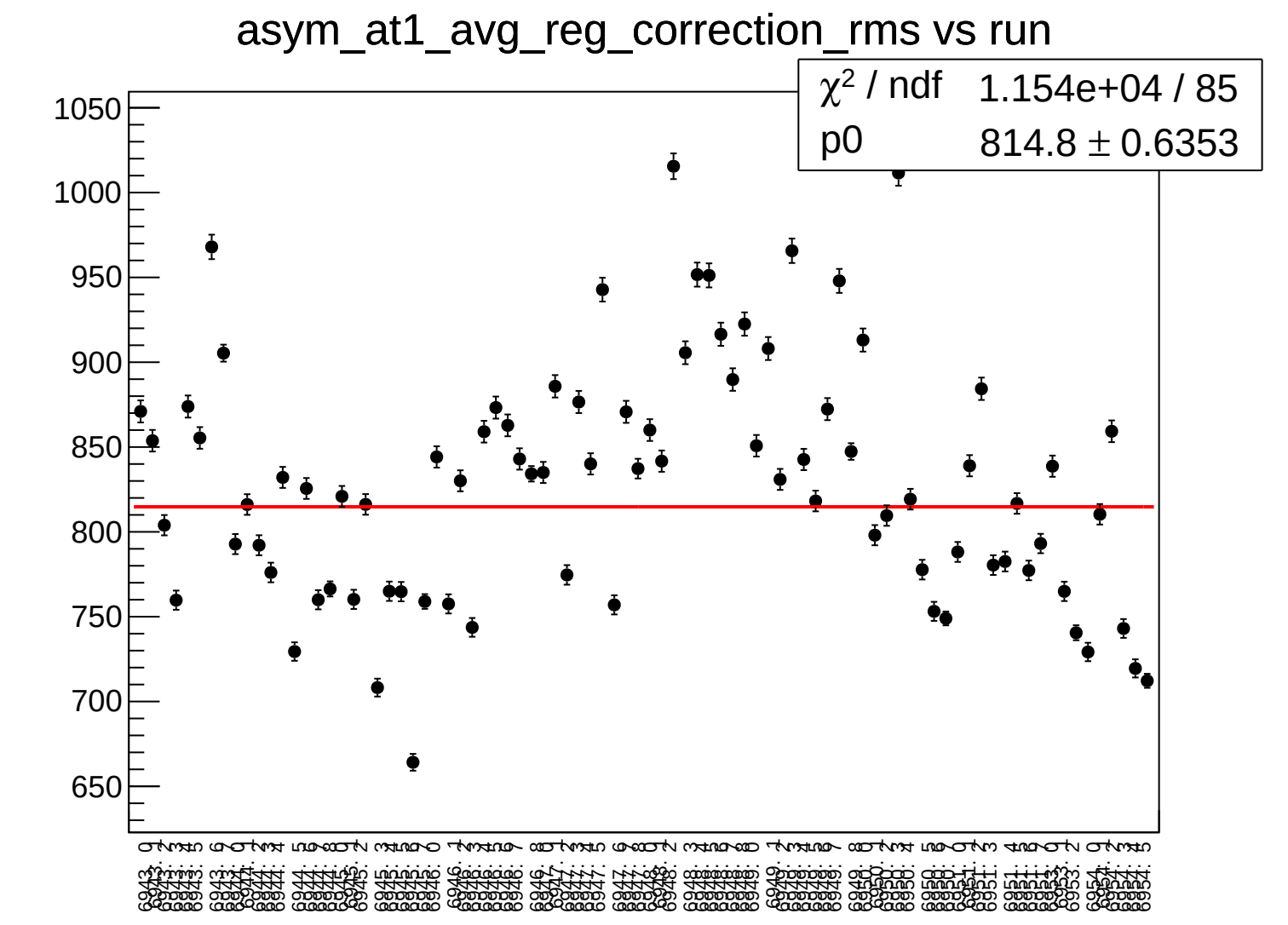

reg_asym_at1_avg_mean vs run
χ² / ndf 102.5 / 85
p0 3991 ± 1985
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 373.3
Std Dev 0
2
1
0
−1
−2

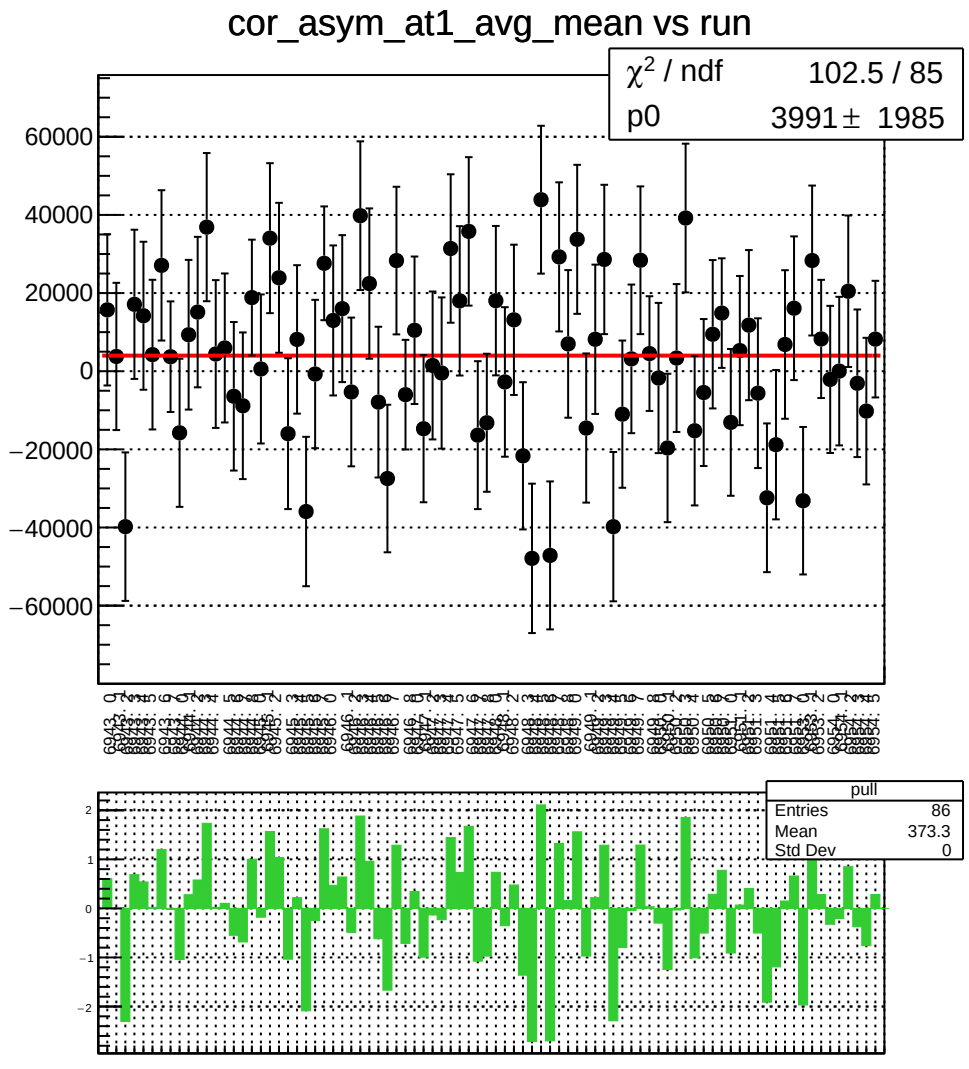

pull1D
Entries 86
Mean −0.009113
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

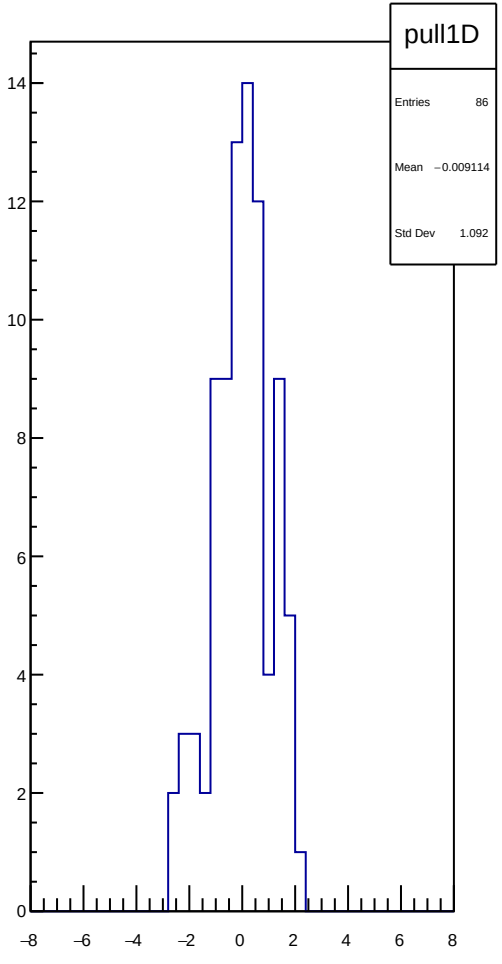

reg_asym_at1_avg_rms vs run
χ^2 / ndf 89.57 / 85
p0 1806 ± 1.404
1860
1840
1820
1800
1780
1760

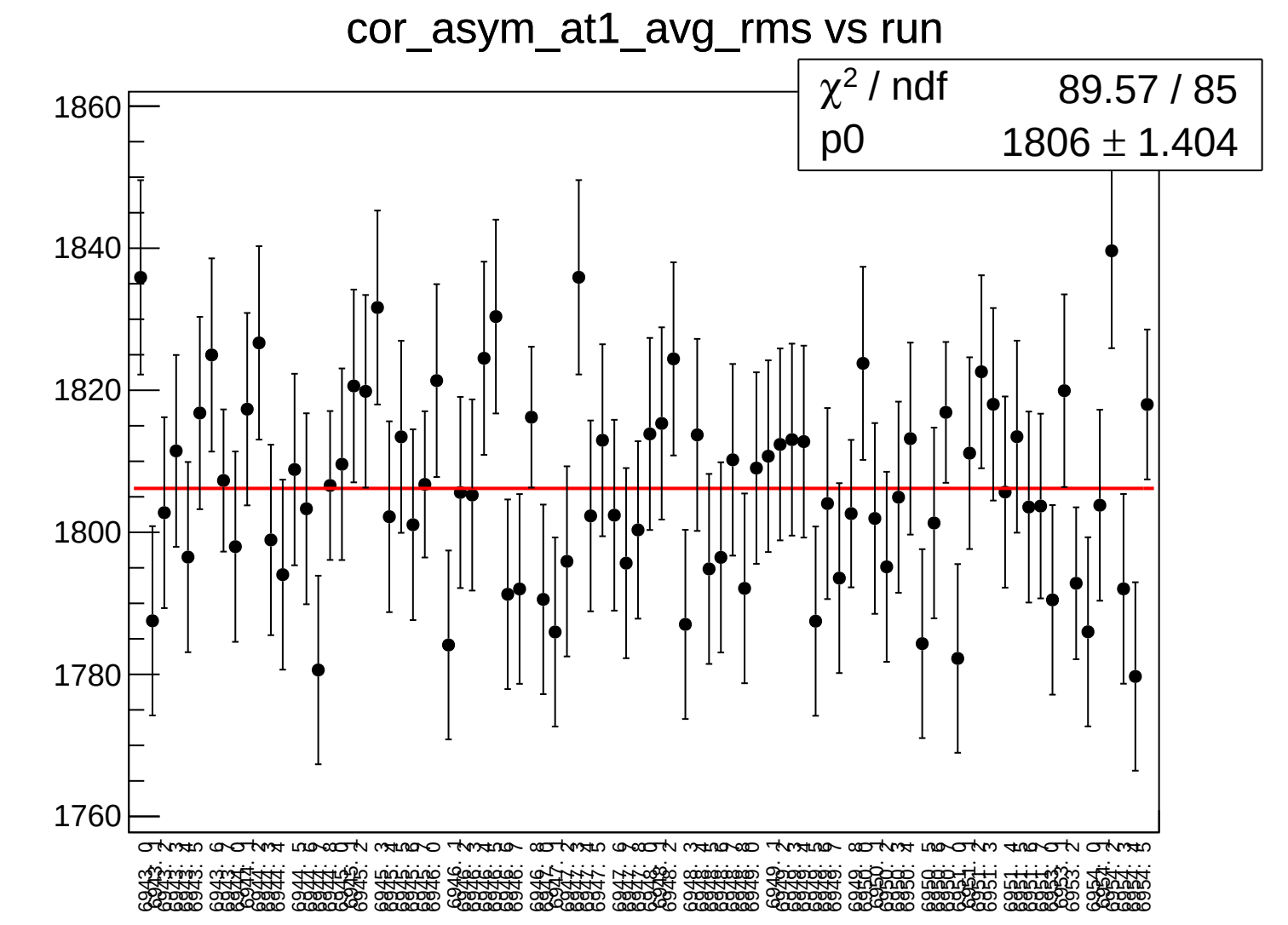

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 89.67 / 85
p0 −447.7 ± 898.5
pull
Entries 86
Mean 109.7
Std Dev 0

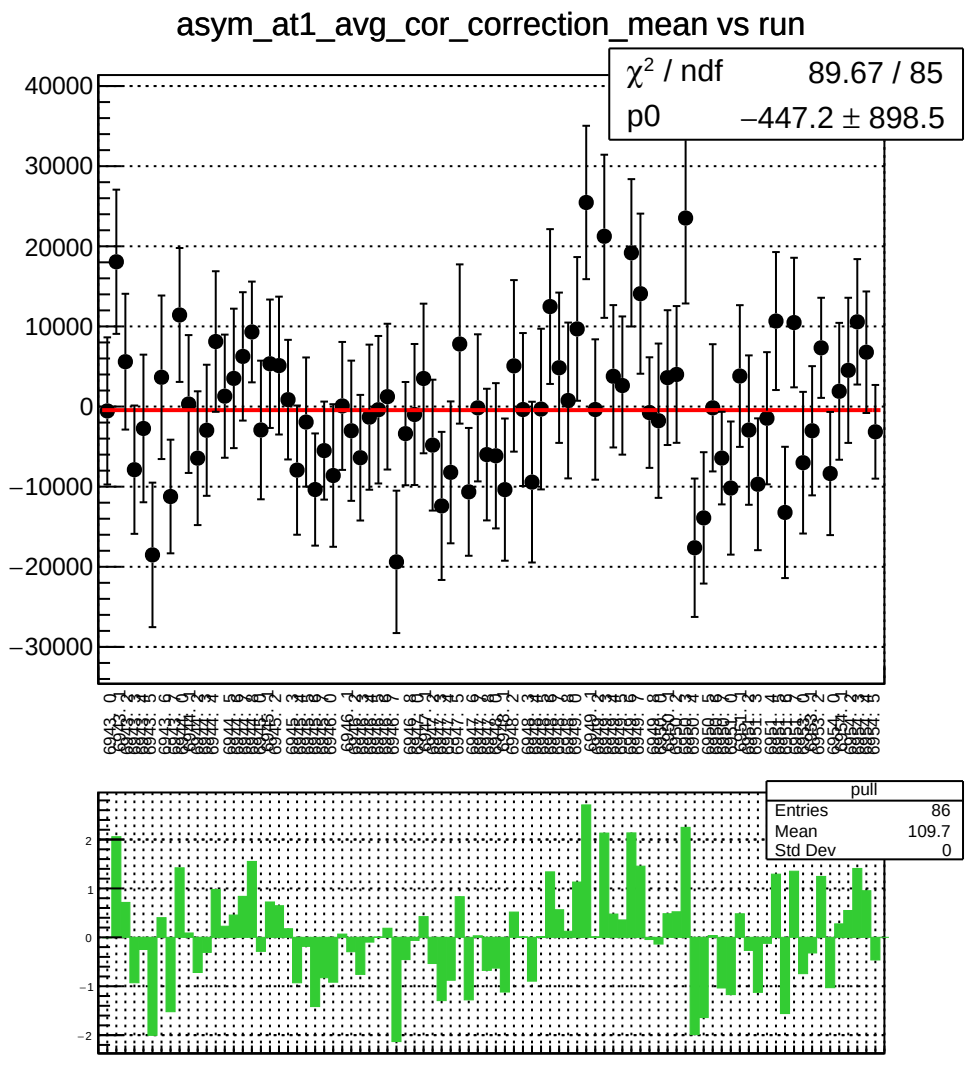

pull1D
Entries 86
Mean 0.03006
Std Dev 1.021

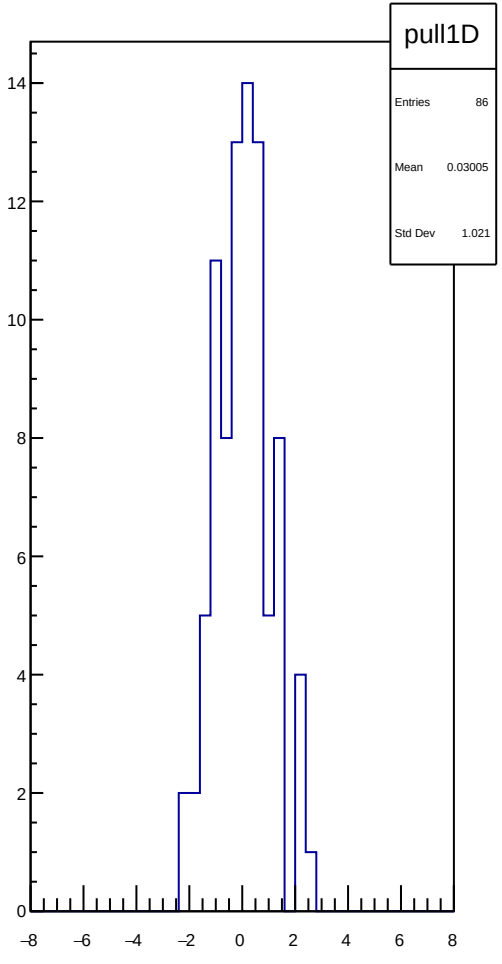

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.154e+04 / 85
p0 814.8 ± 0.6353
1050
1000
950
900
850
800
750
700
650

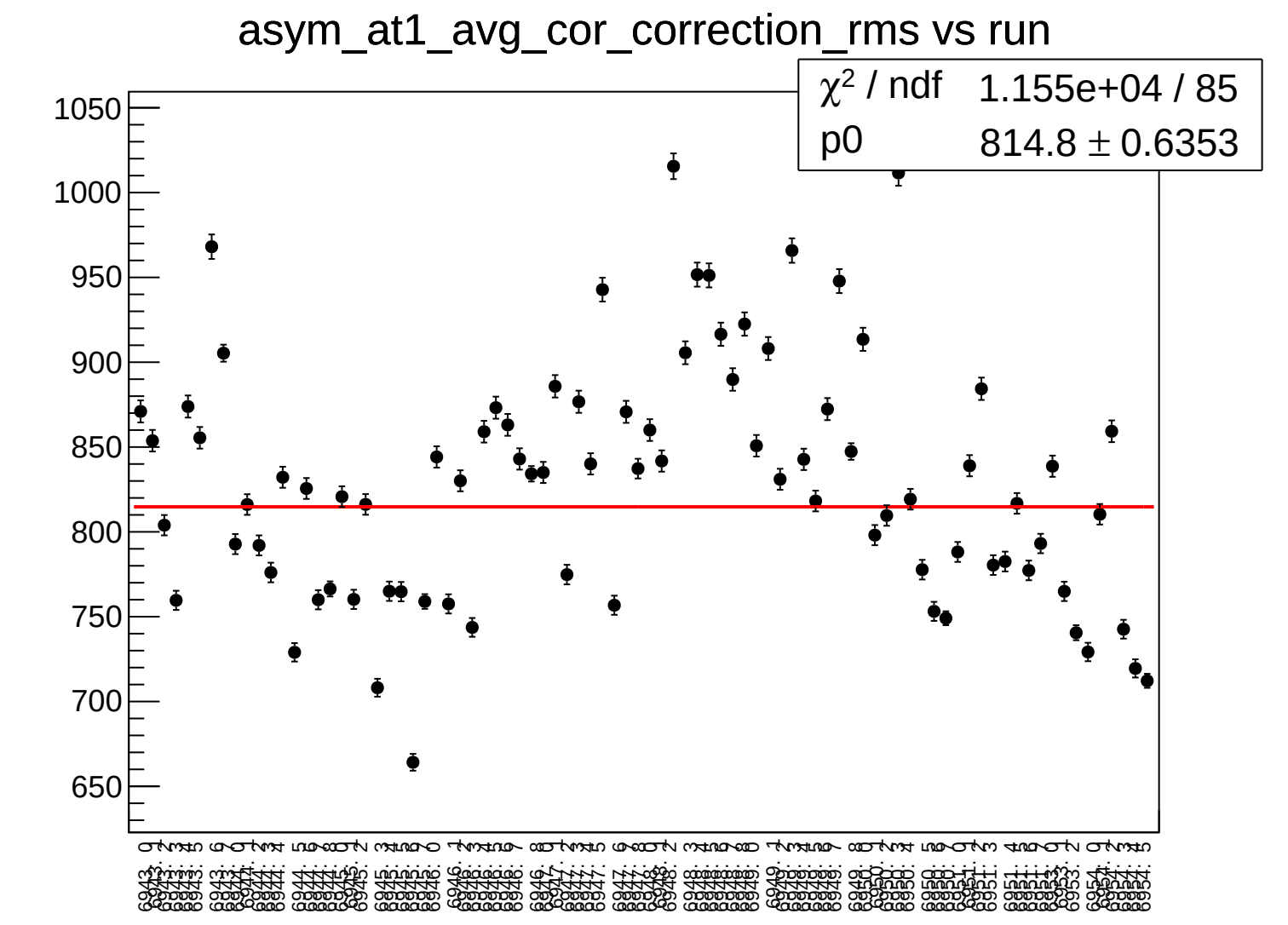

cor_asym_at1_avg_mean vs run
χ² / ndf 102.5 / 85
p0 3991 ± 1985
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 373.3
Std Dev 0
2
1
0
−1
−2

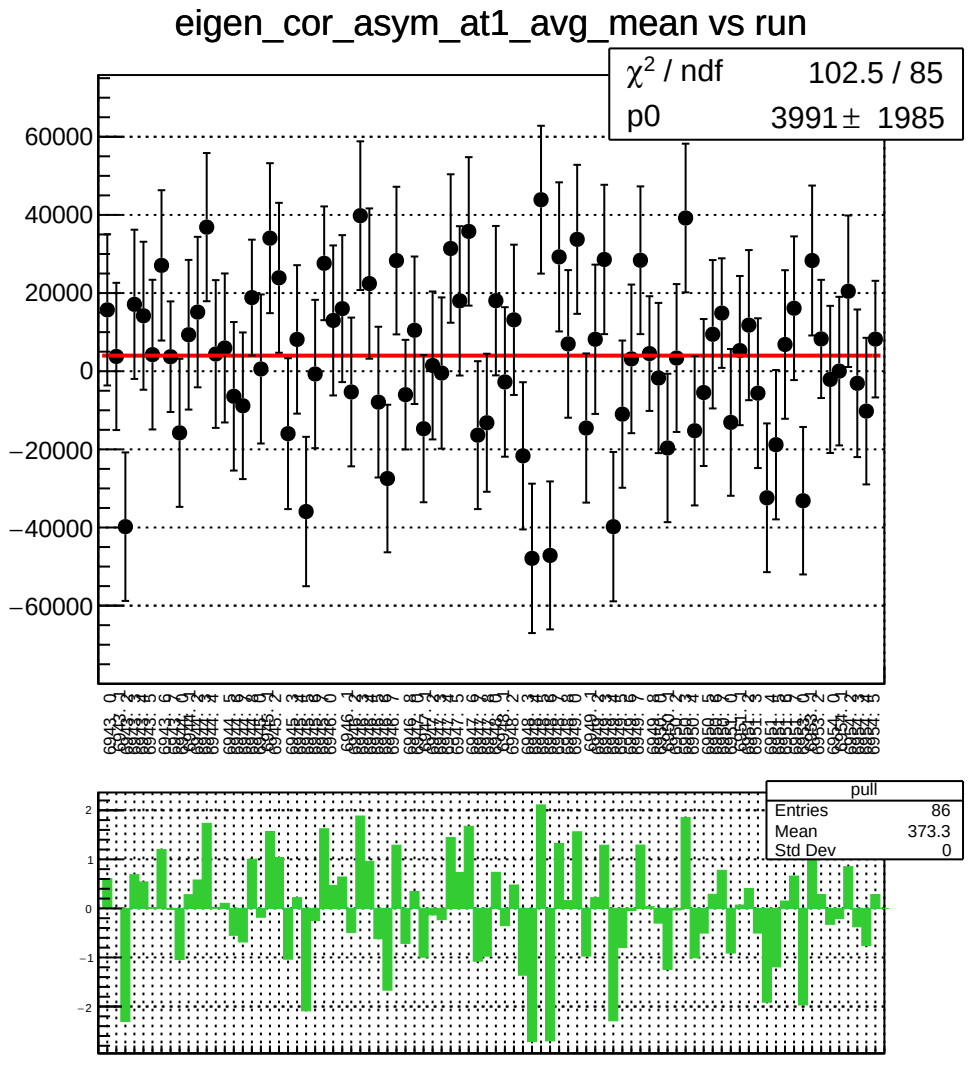

pull1D
Entries 86
Mean −0.009114
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

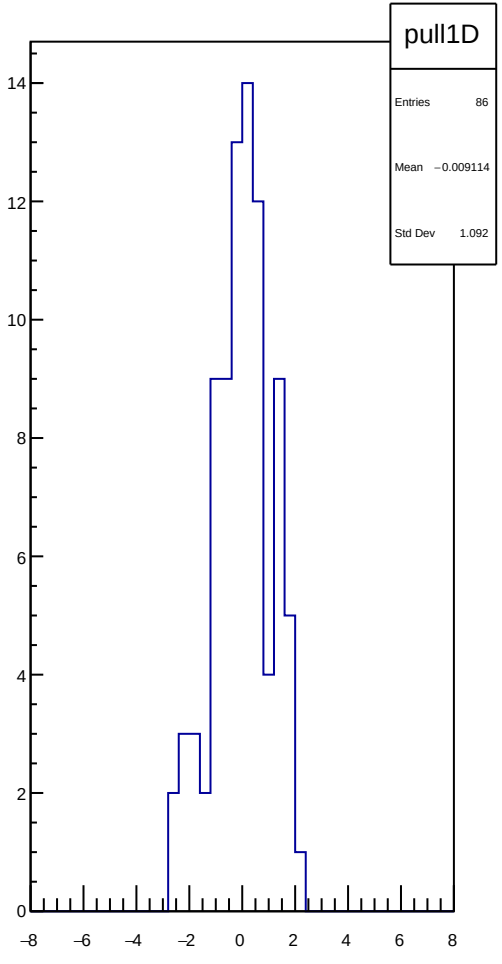

cor_asym_at1_avg_rms vs run
χ² / ndf 89.57 / 85
p0 1806 ± 1.404
1860
1840
1820
1800
1780
1760

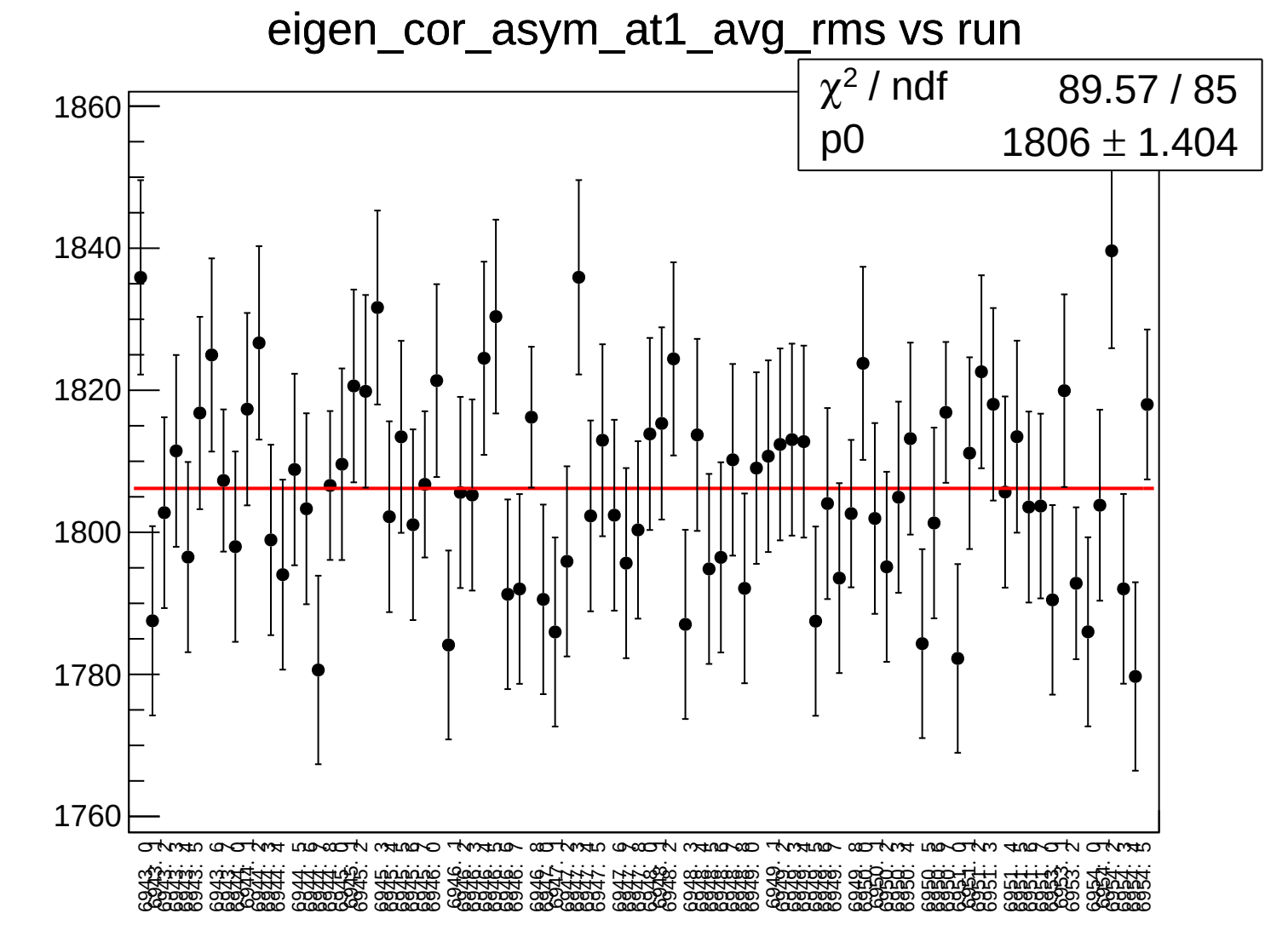

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 89.67 / 85
p0 −447.2 ± 898.5
pull
Entries 86
Mean 109.7
Std Dev 0

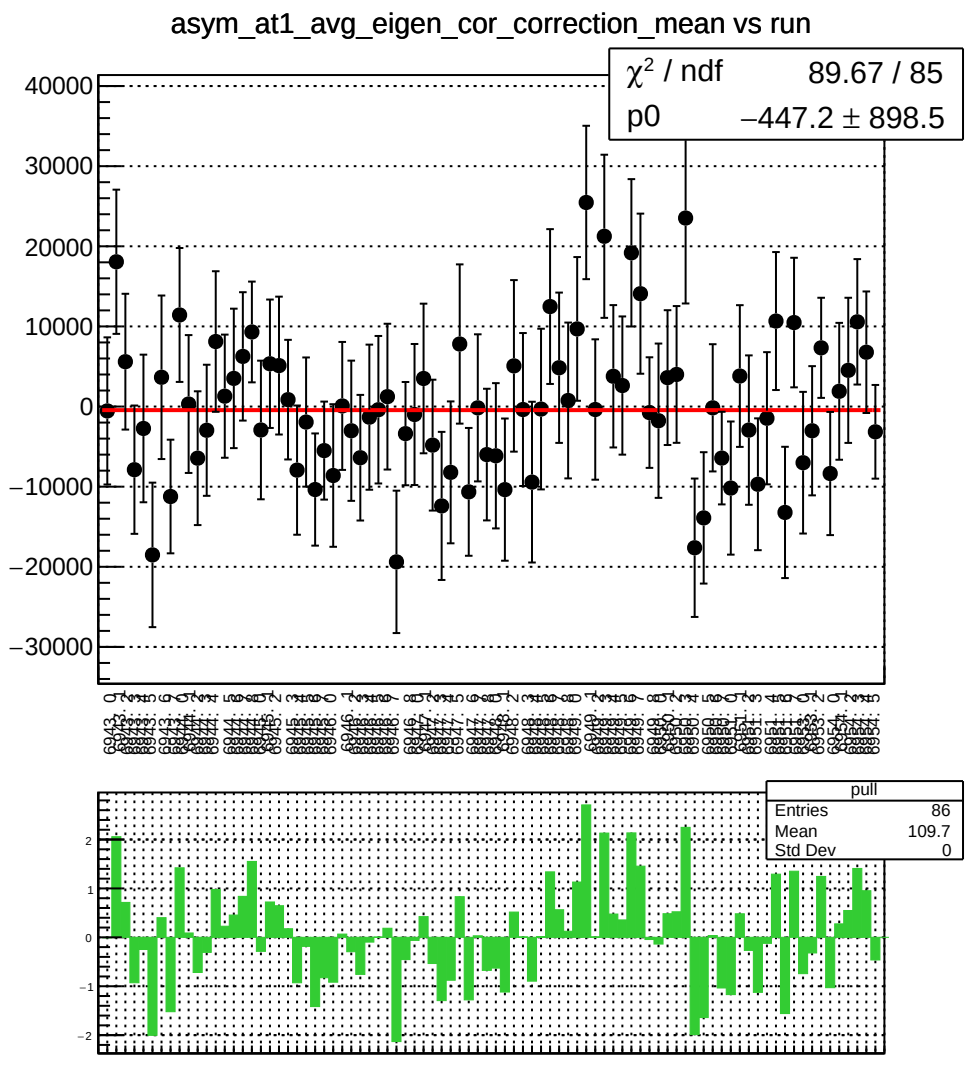

pull1D
Entries 86
Mean 0.03005
Std Dev 1.021

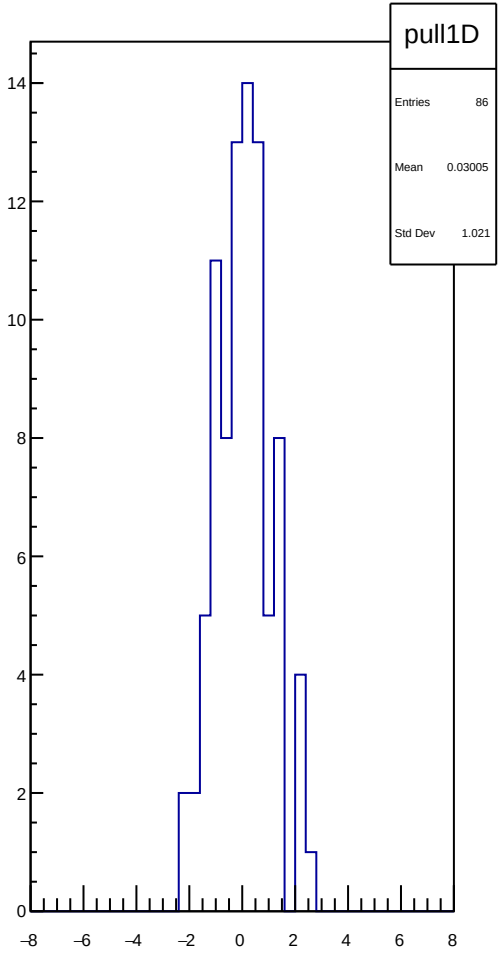

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.155e+04 / 85
p0 814.8 ± 0.6353
1050
1000
950
900
850
800
750
700
650

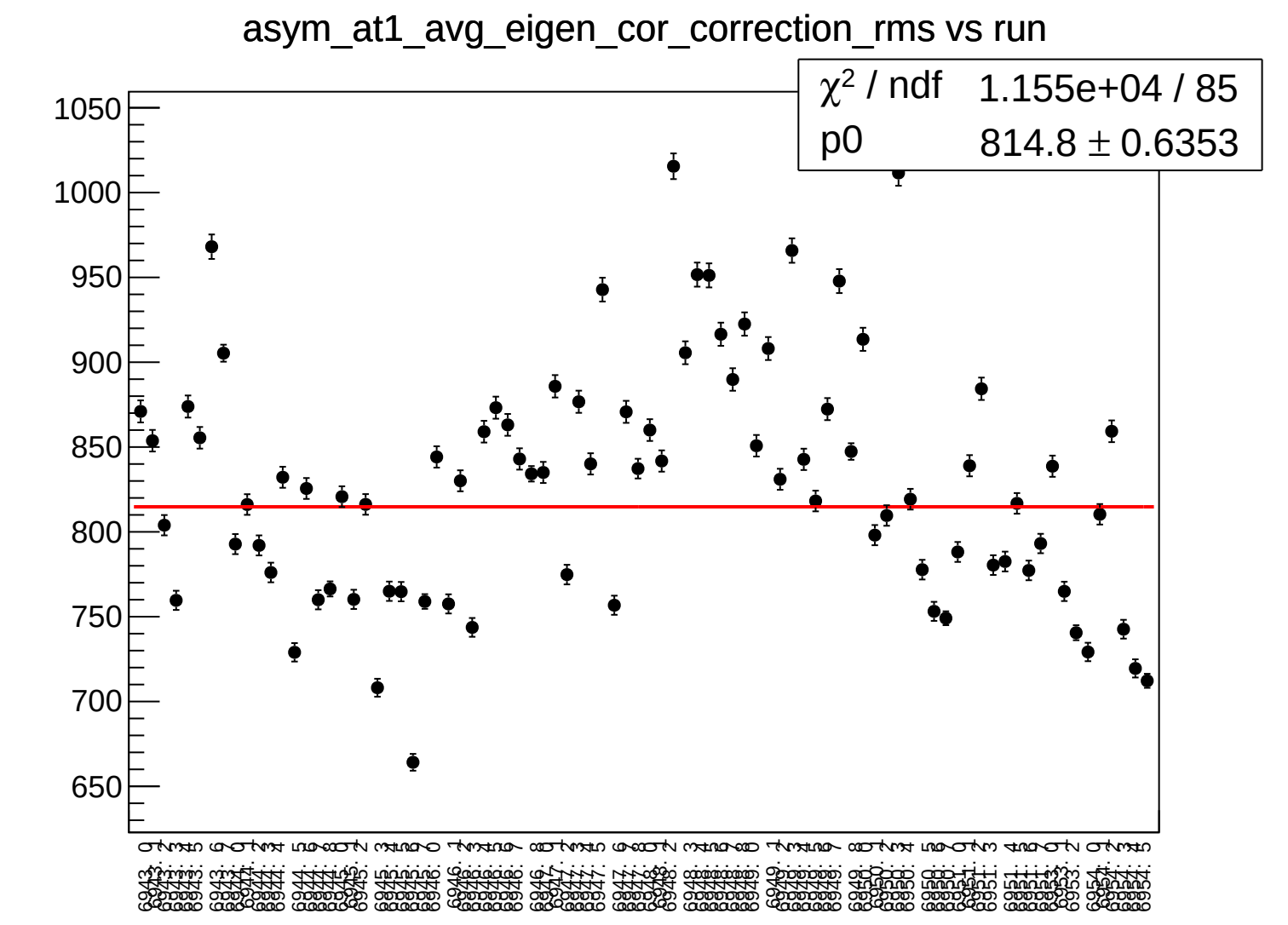

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 102.5 / 85
p0 3991 ± 1985
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 373.3
Std Dev 0
2
1
0
−1
−2

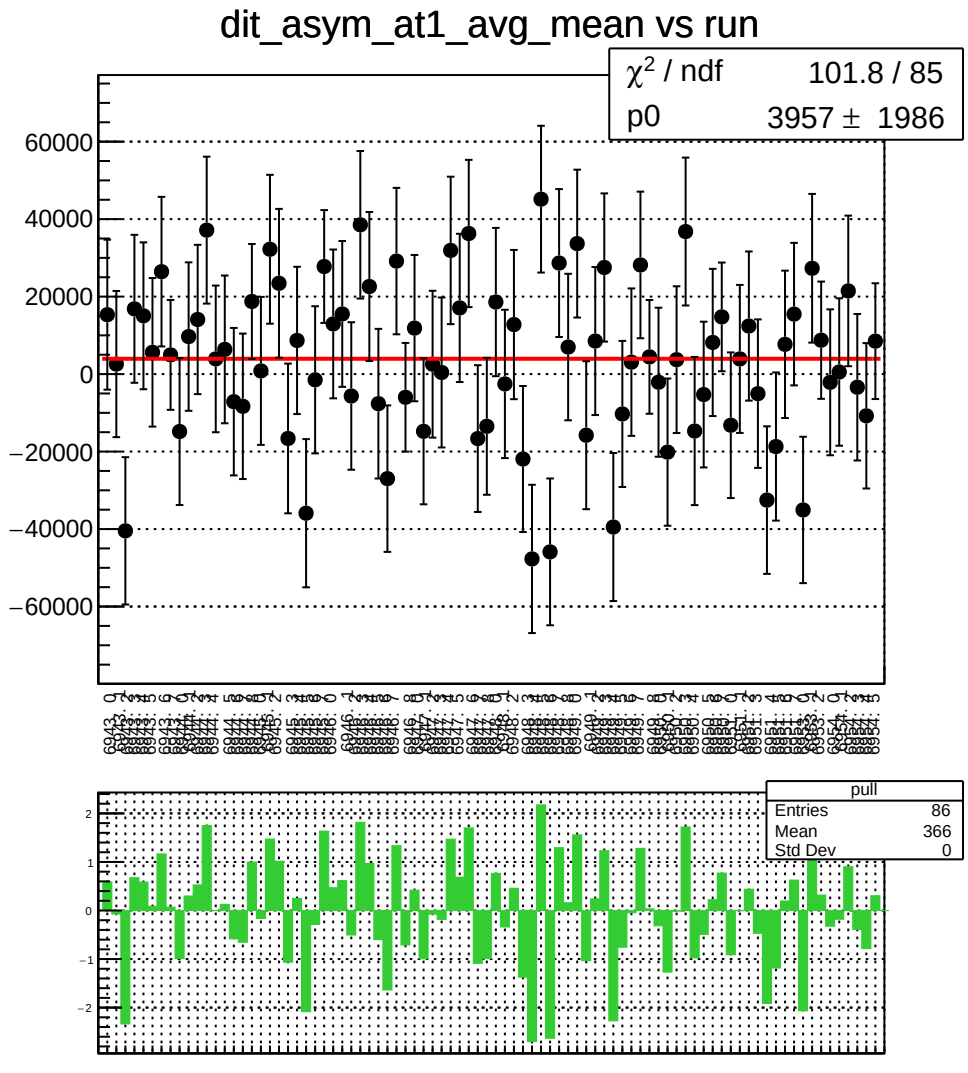

pull1D
Entries 86
Mean −0.009114
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

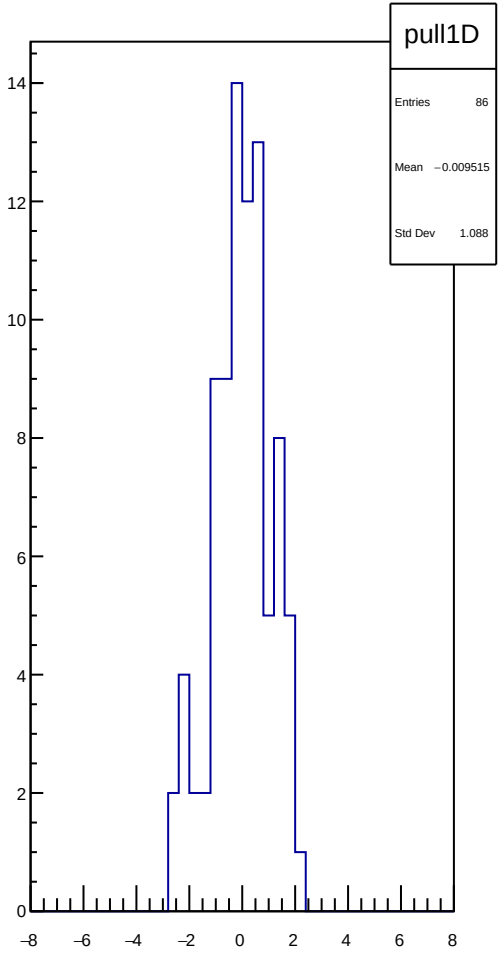

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 89.57 / 85
p0 1806 ± 1.404
1860
1840
1820
1800
1780
1760

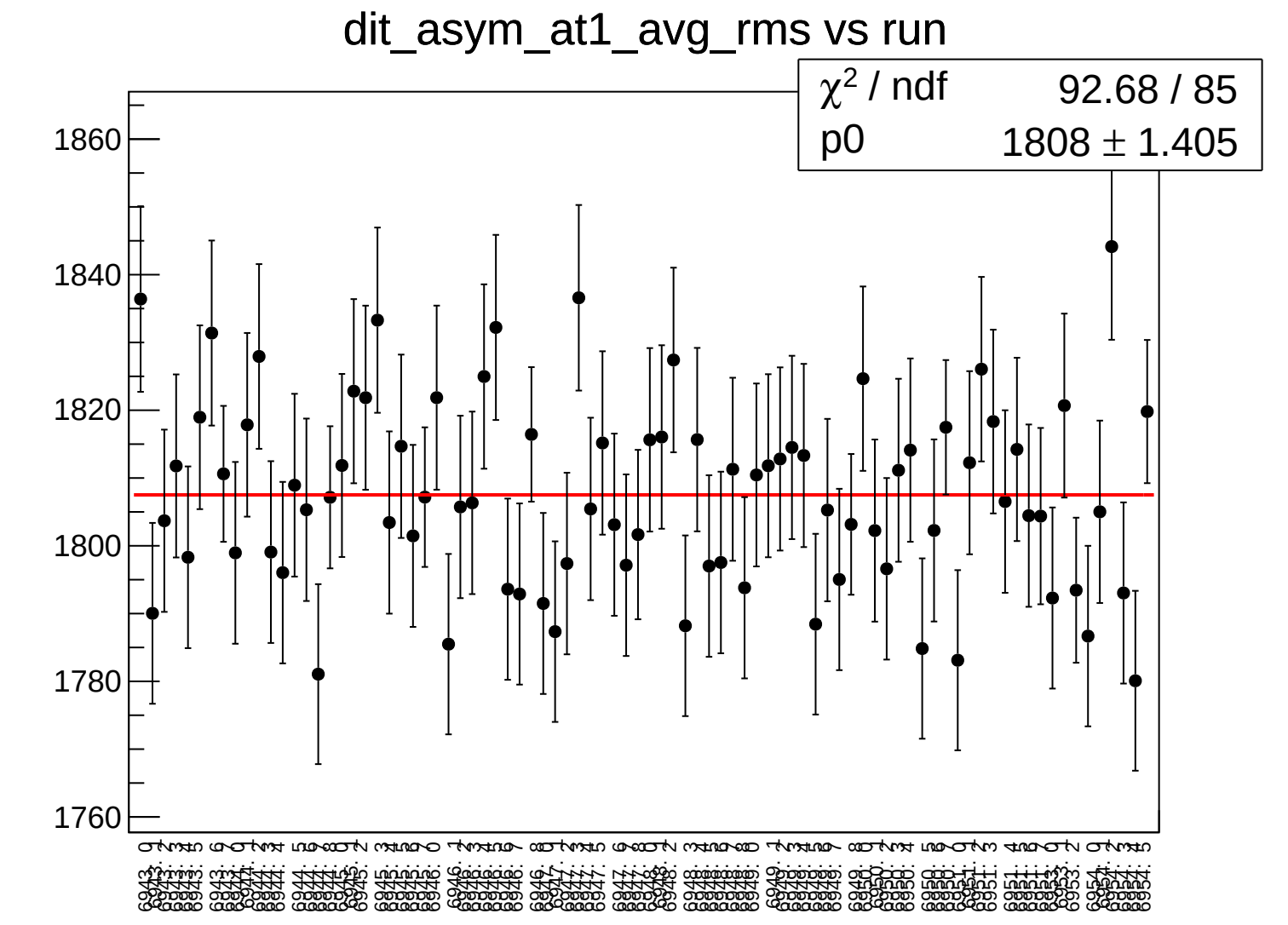

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 89.67 / 85
p0 −447.2 ± 898.5
pull
Entries 86
Mean 109.7
Std Dev 0

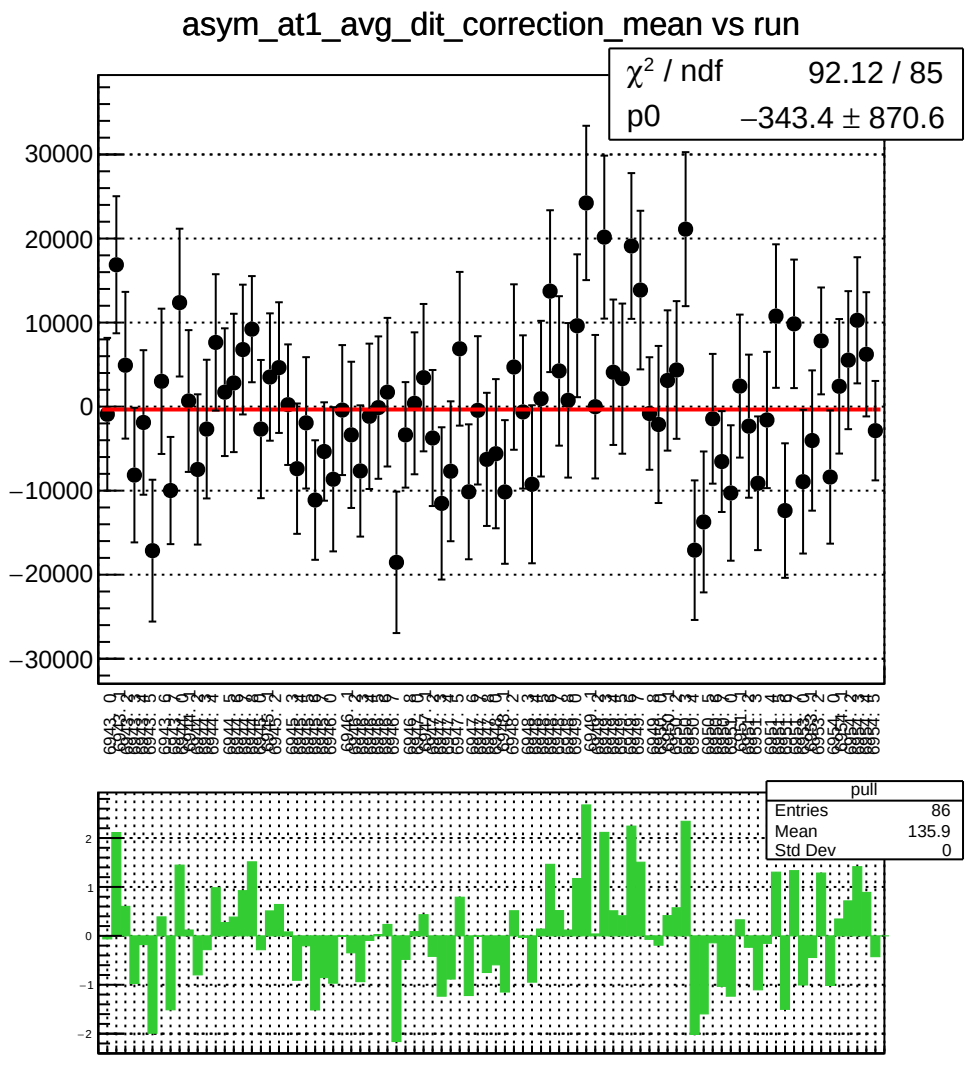

pull1D
Entries 86
Mean 0.03005
Std Dev 1.021

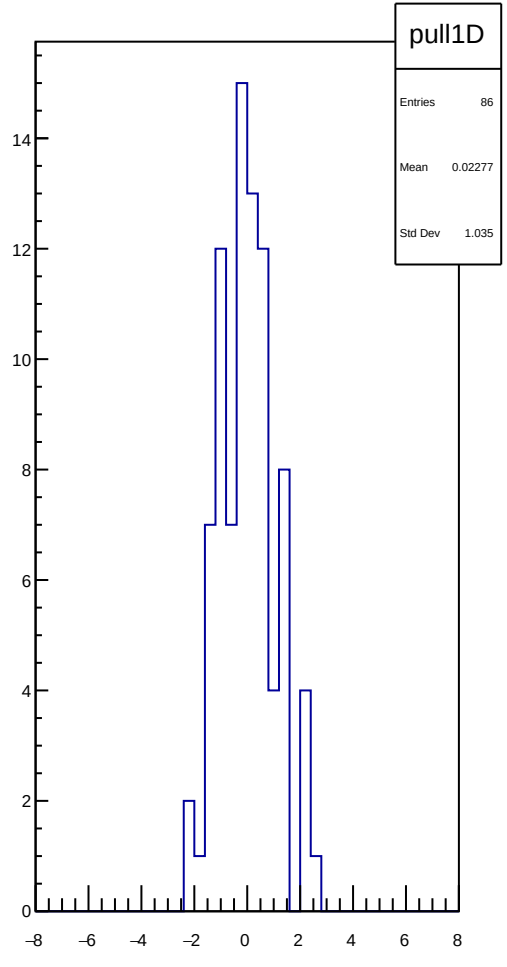

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.155e+04 / 85
p0 814.8 ± 0.6353
1050
1000
950
900
850
800
750
700
650

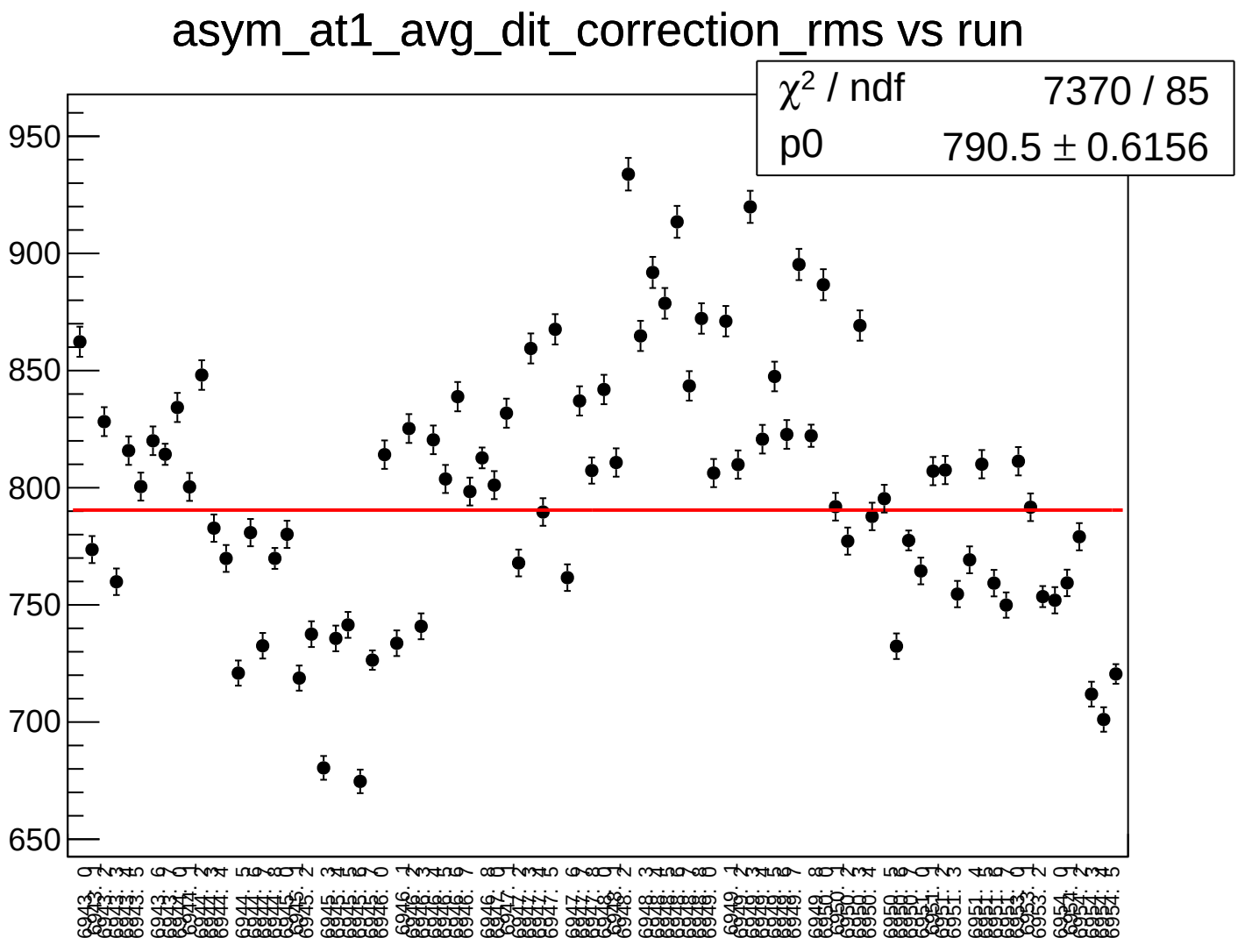

dit_asym_at1_avg_mean vs run
χ² / ndf 101.8 / 85
p0 3957 ± 1986
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 366
Std Dev 0
2
1
0
−1
−2

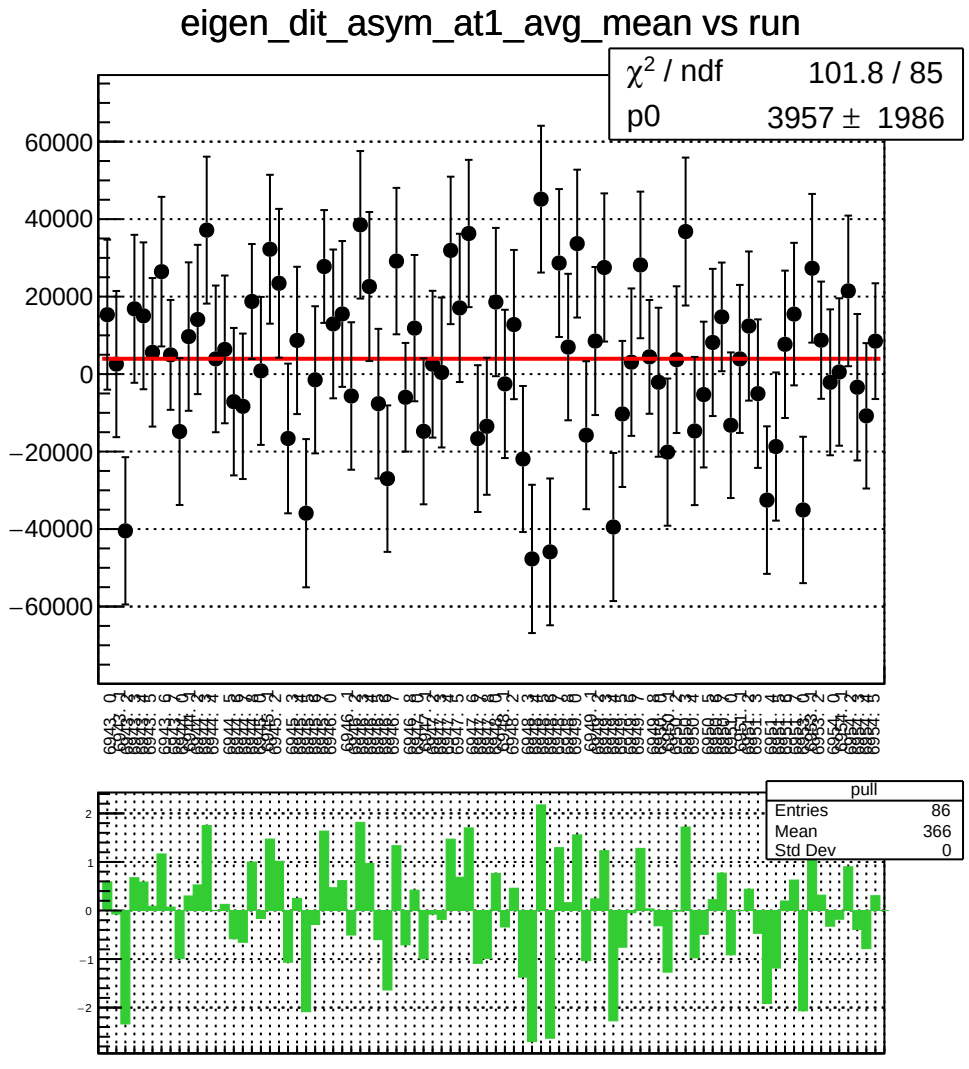

pull1D
Entries 86
Mean −0.009515
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

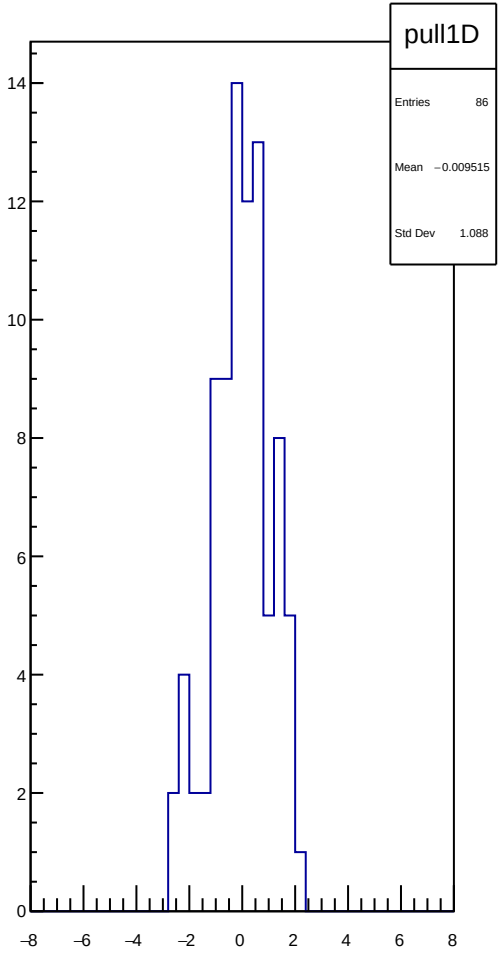

dit_asym_at1_avg_rms vs run
χ² / ndf 92.68 / 85
p0 1808 ± 1.405
1860
1840
1820
1800
1780
1760

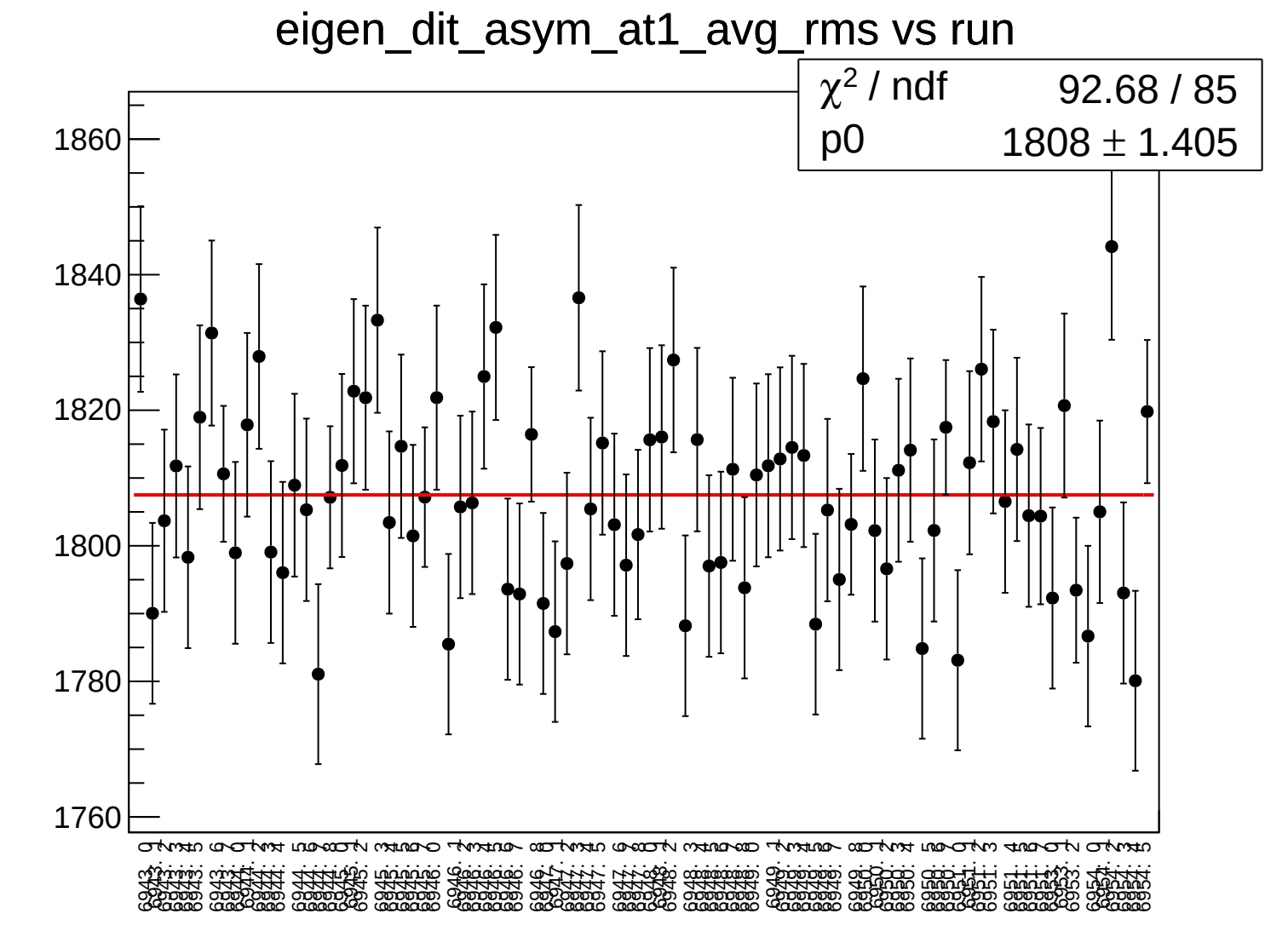

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 92.12 / 85
p0 −343.4 ± 870.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 135.9
Std Dev 0
2
1
0
−1
−2

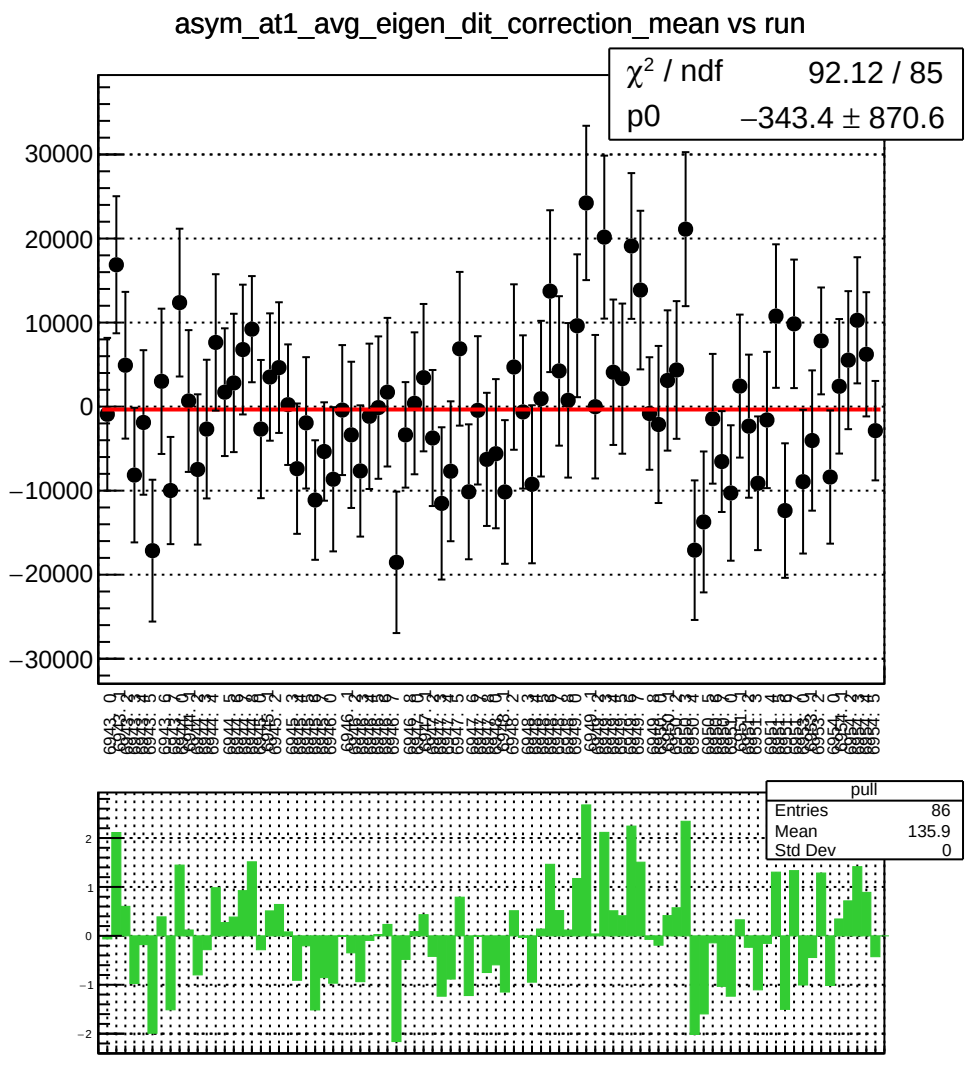

pull1D
Entries 86
Mean 0.02277
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

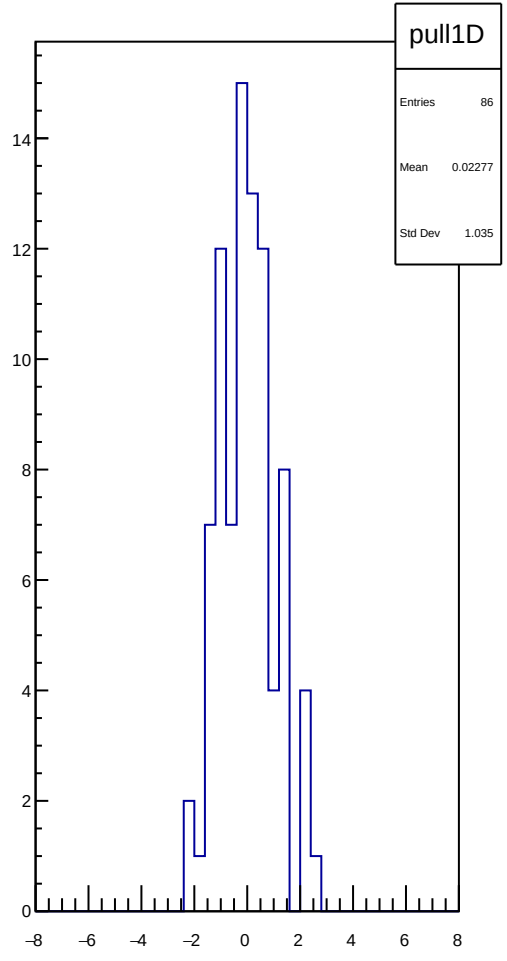

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 7370 / 85
p0 790.5 ± 0.6156
950
900
850
800
750
700
650

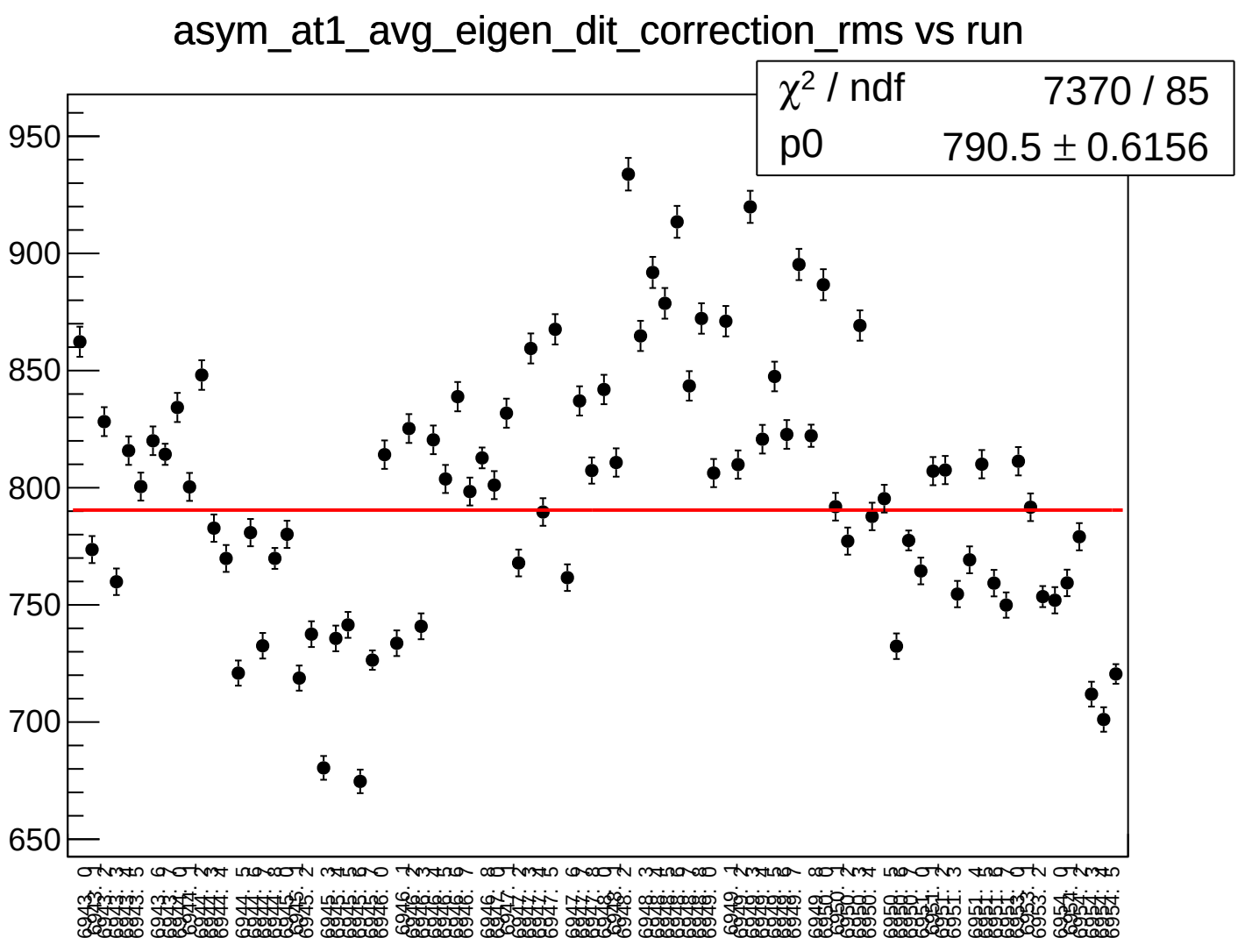

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 101.8 / 85
p0 3957 ± 1986
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 366
Std Dev 0
2
1
0
−1
−2

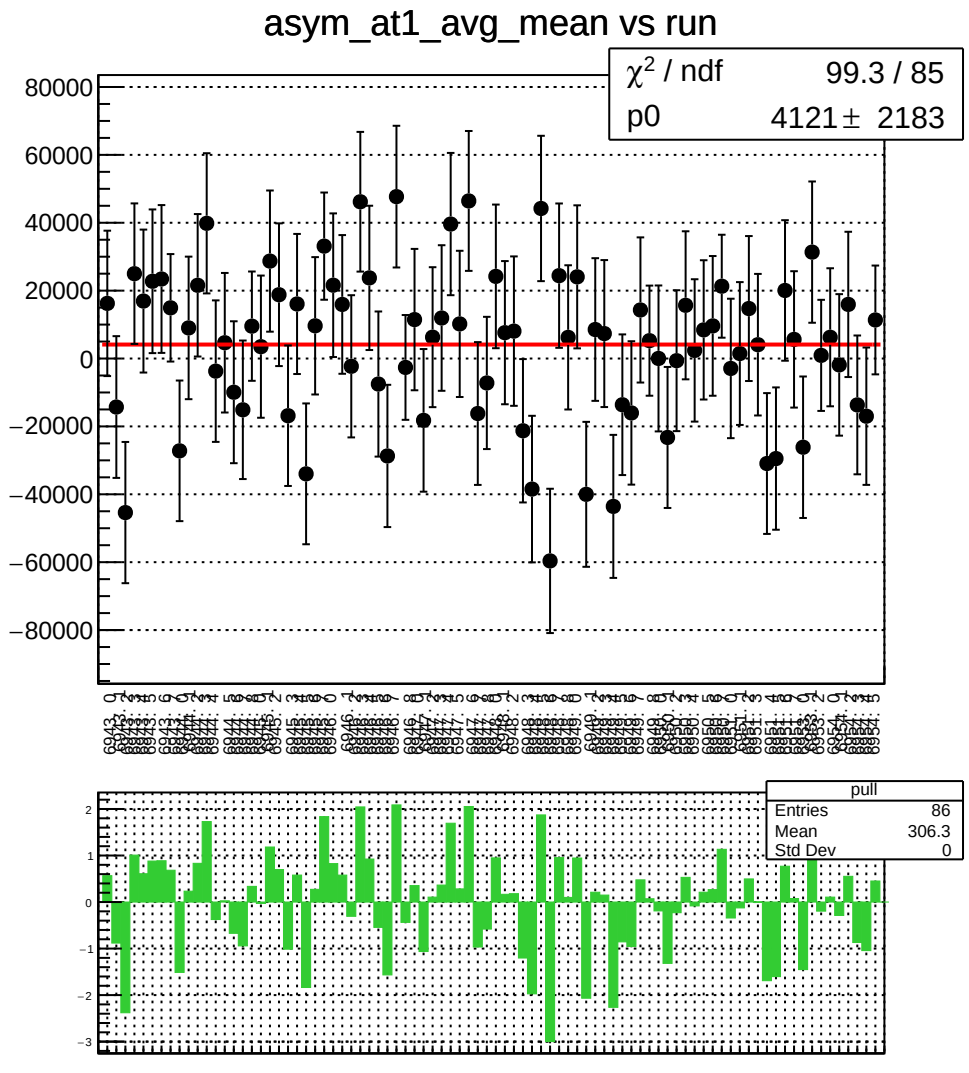

pull1D
Entries 86
Mean −0.009515
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

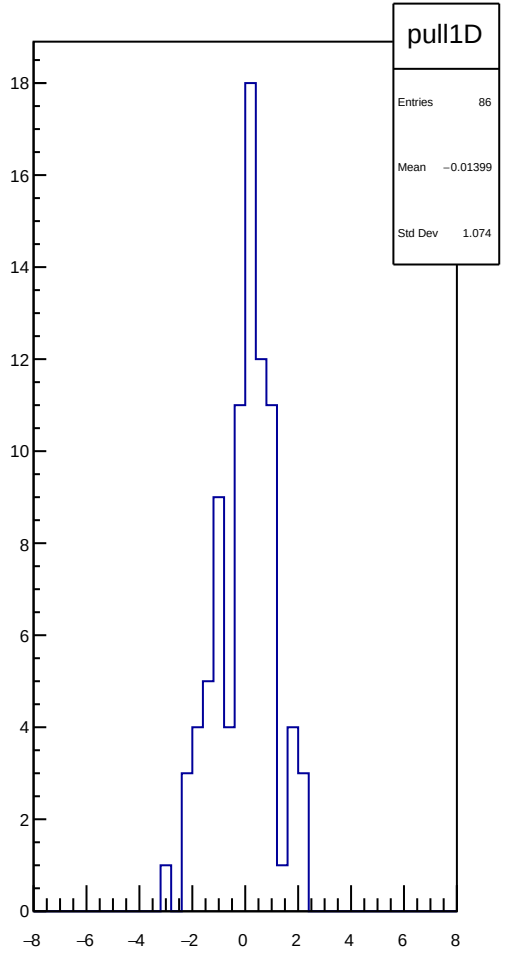

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 92.68 / 85
p0 1808 ± 1.405
1860
1840
1820
1800
1780
1760

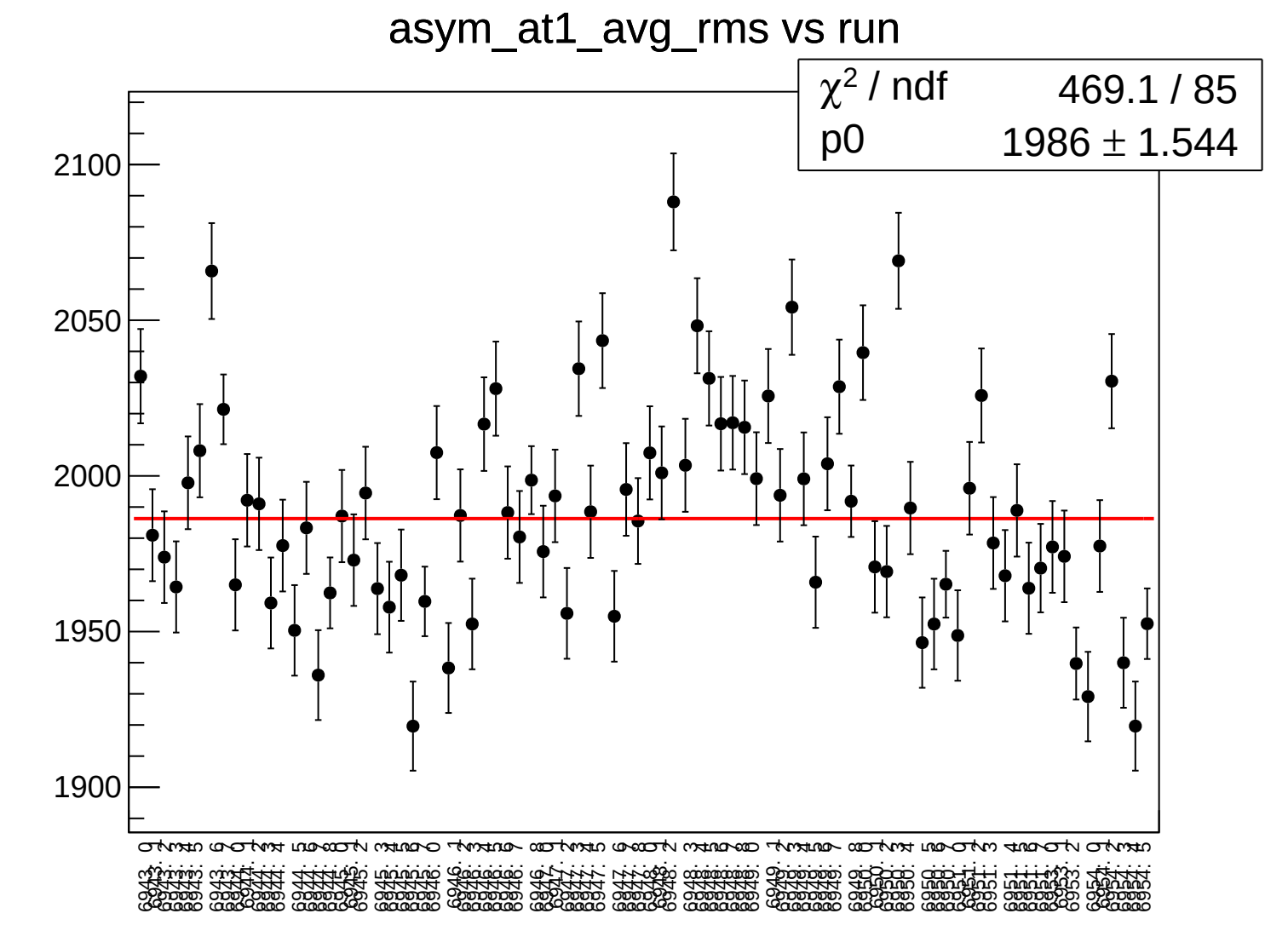

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 92.12 / 85
p0 −343.4 ± 870.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 135.9
Std Dev 0
2
1
0
−1
−2

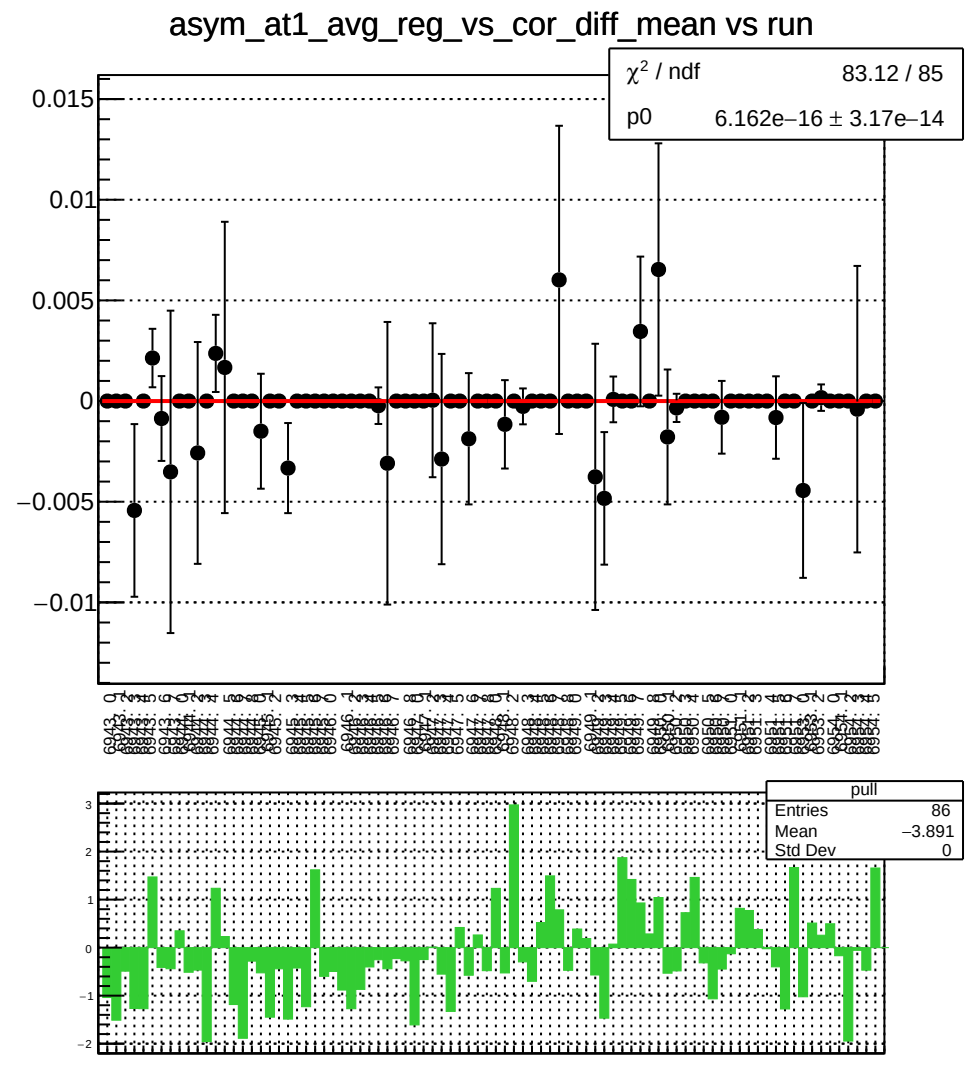

pull1D
Entries 86
Mean 0.02277
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

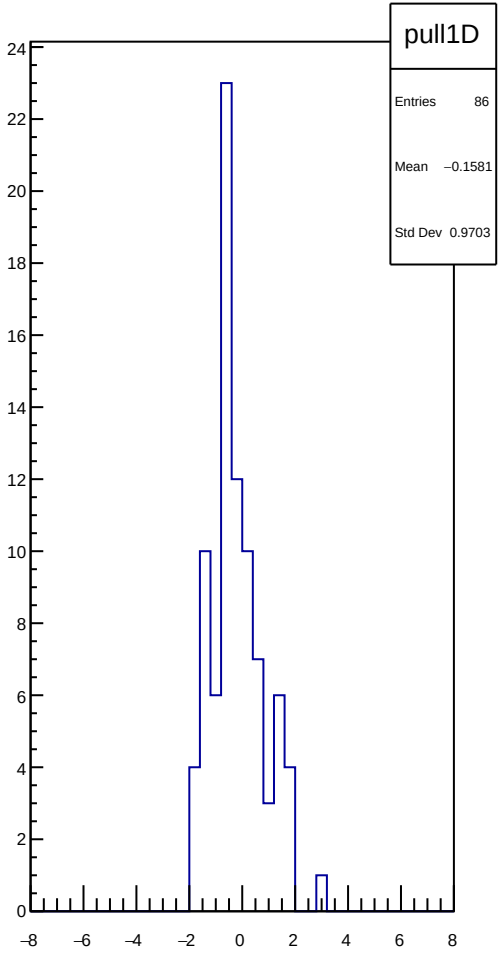

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 7370 / 85
p0 790.5 ± 0.6156
950
900
850
800
750
700
650

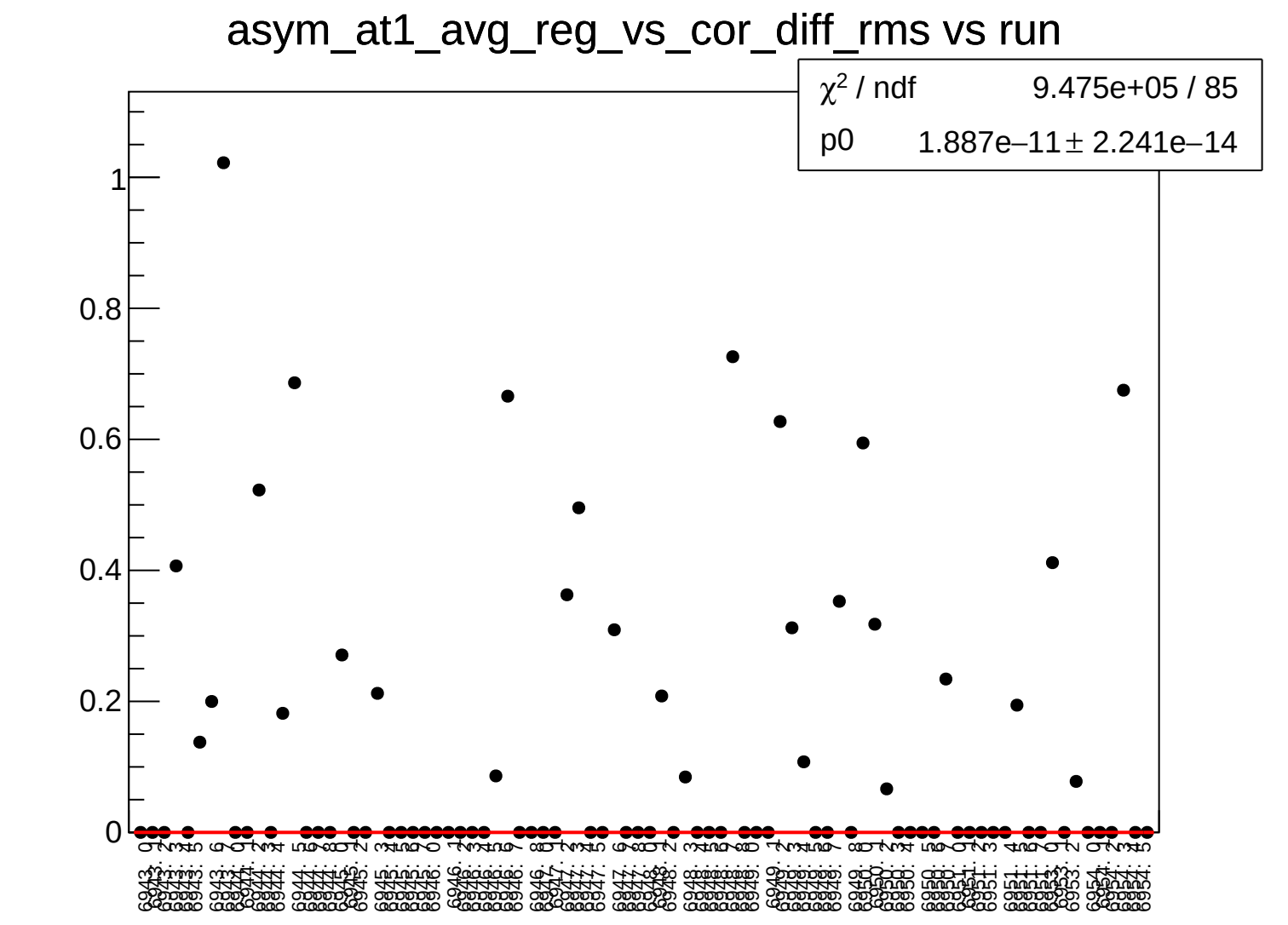

asym_at1_avg_mean vs run
χ² / ndf 99.3 / 85
p0 4121 ± 2183
pull
Entries 86
Mean 306.3
Std Dev 0

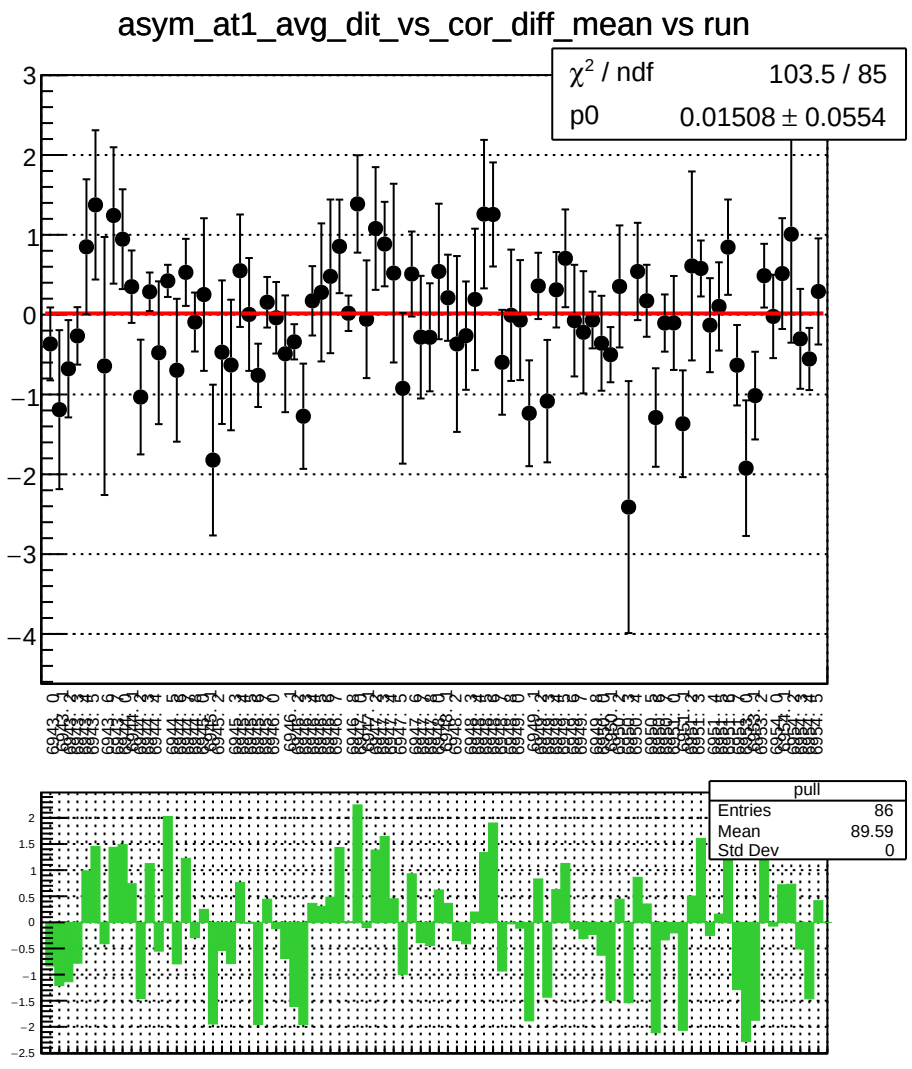

pull1D
Entries 86
Mean −0.01399
Std Dev 1.074

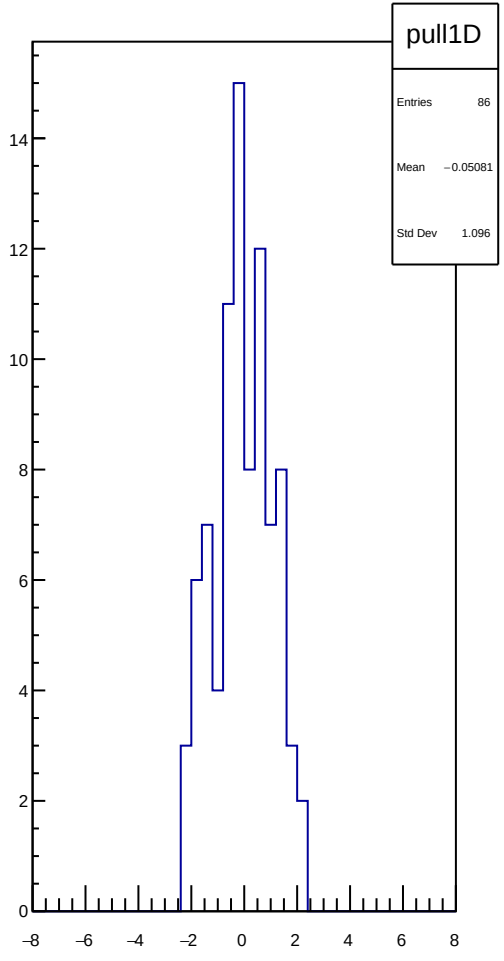

asym_at1_avg_rms vs run
χ^2 / ndf 469.1 / 85
p0 1986 ± 1.544
2100
2050
2000
1950
1900

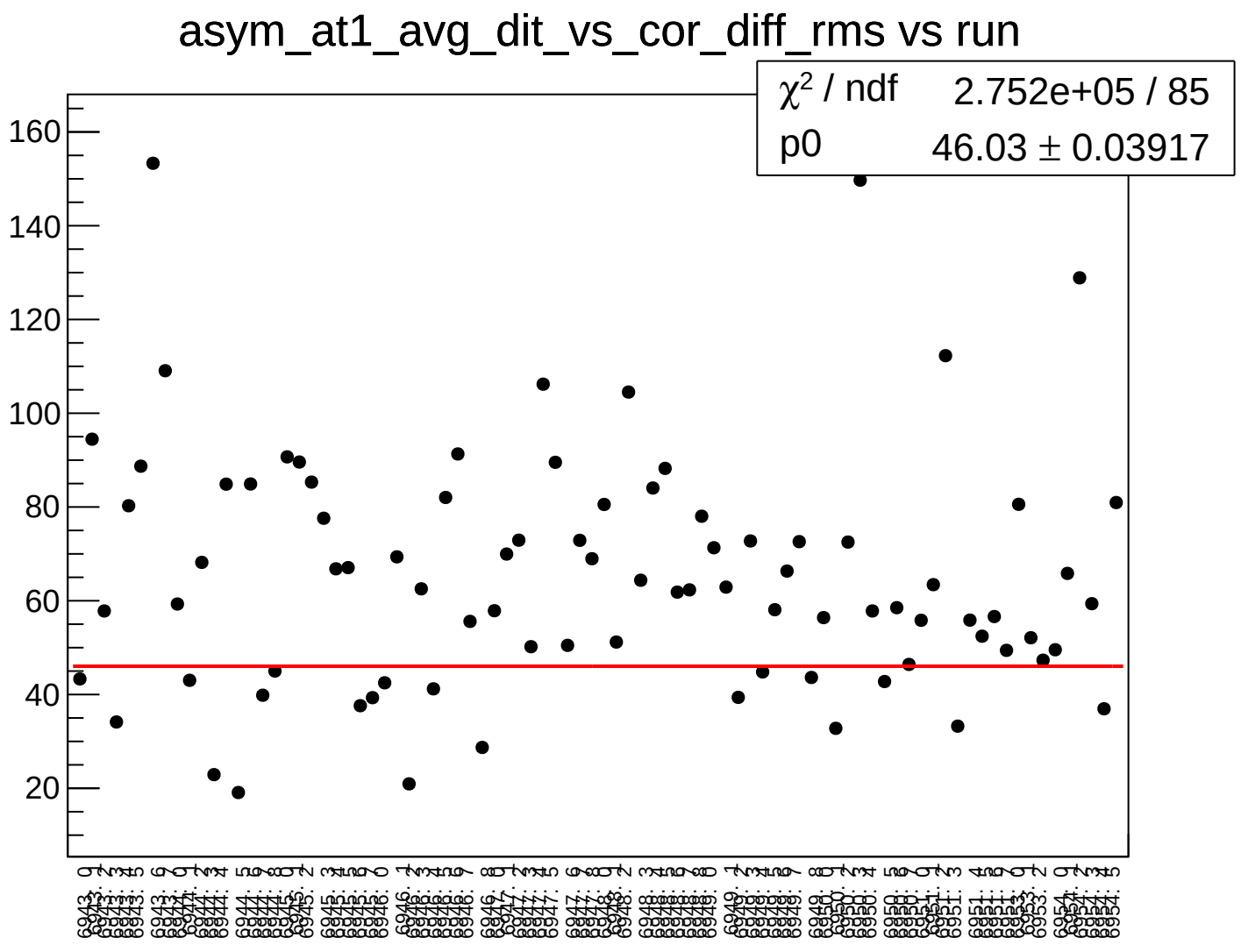

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.12 / 85
p0 6.162e−16 ± 3.17e−14
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 86
Mean −3.891
Std Dev 0
3
2
1
0
−1
−2

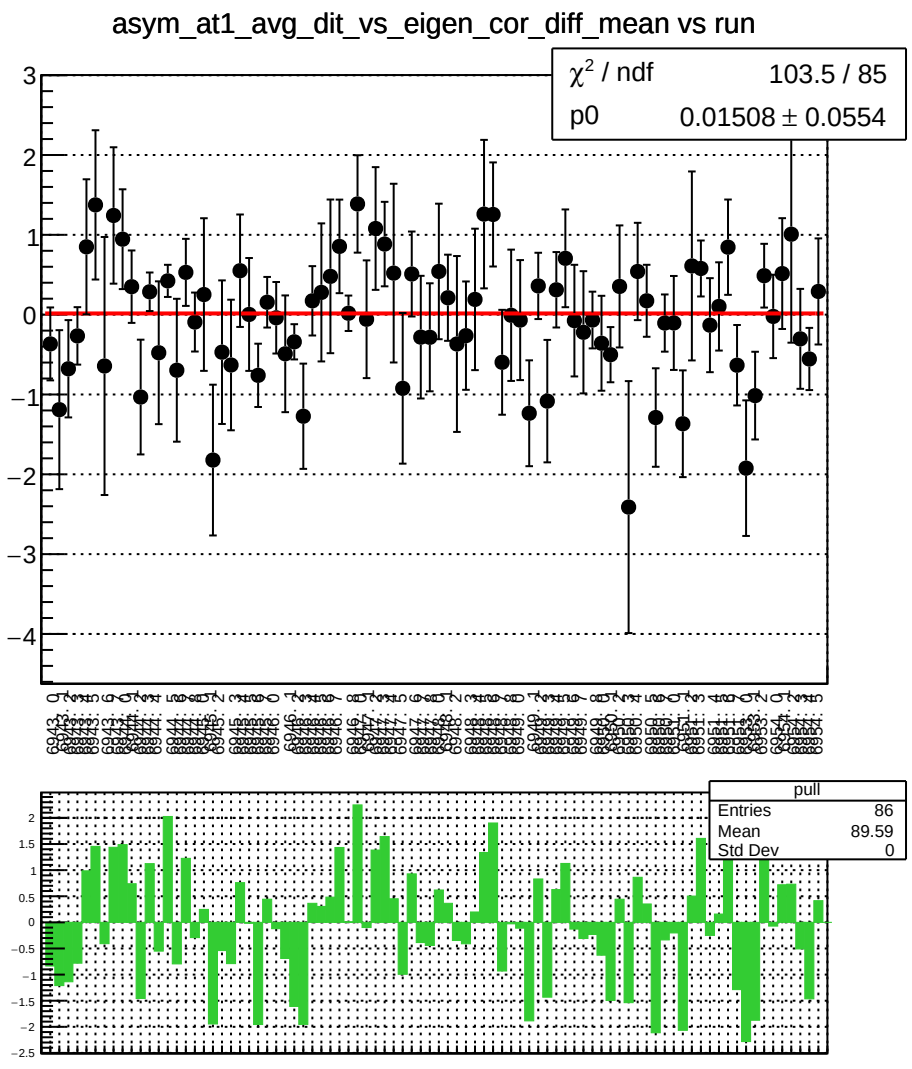

pull1D
Entries 86
Mean −0.1581
Std Dev 0.9703
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

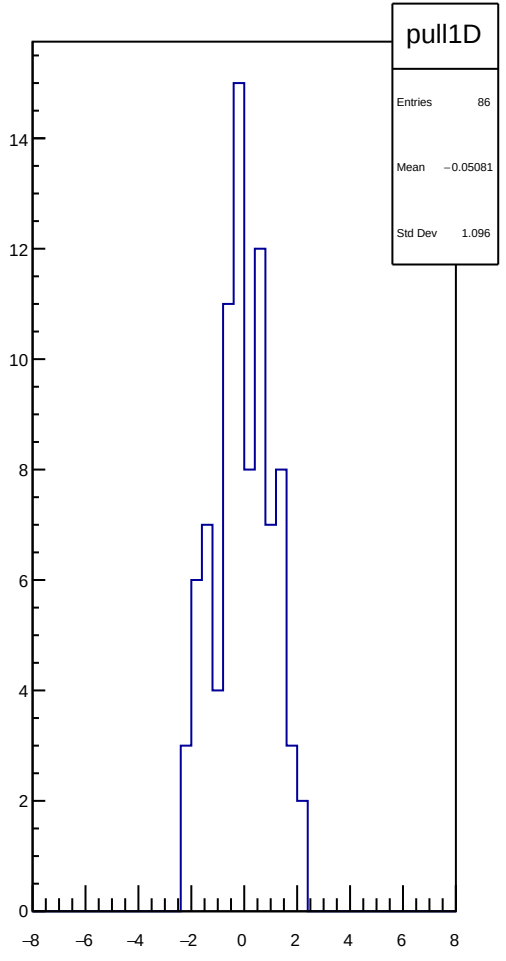

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.475e+05 / 85
p0 1.887e−11 ± 2.241e−14
1
0.8
0.6
0.4
0.2
0

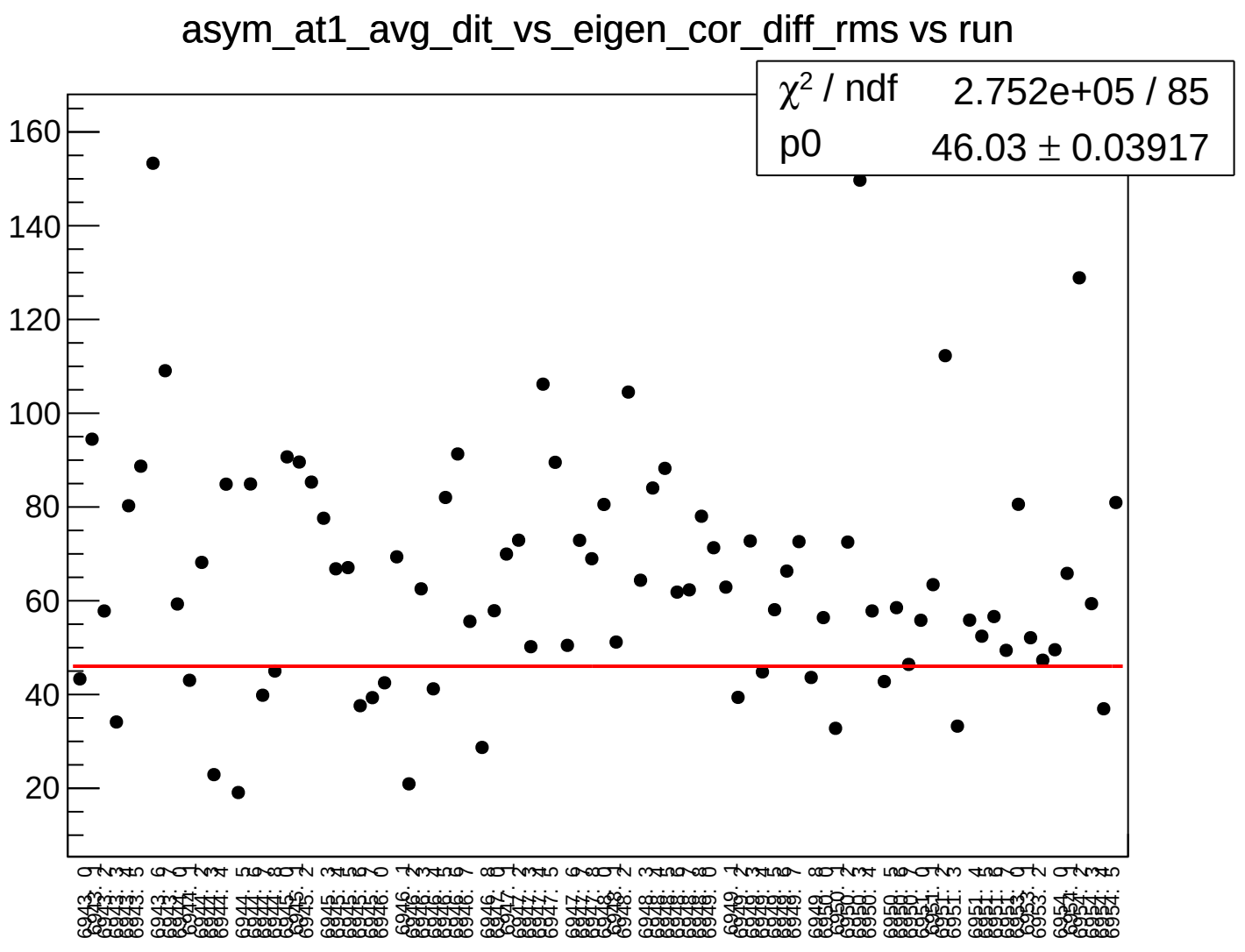

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 103.5 / 85
p0 0.01508 ± 0.0554
pull
Entries 86
Mean 89.59
Std Dev 0

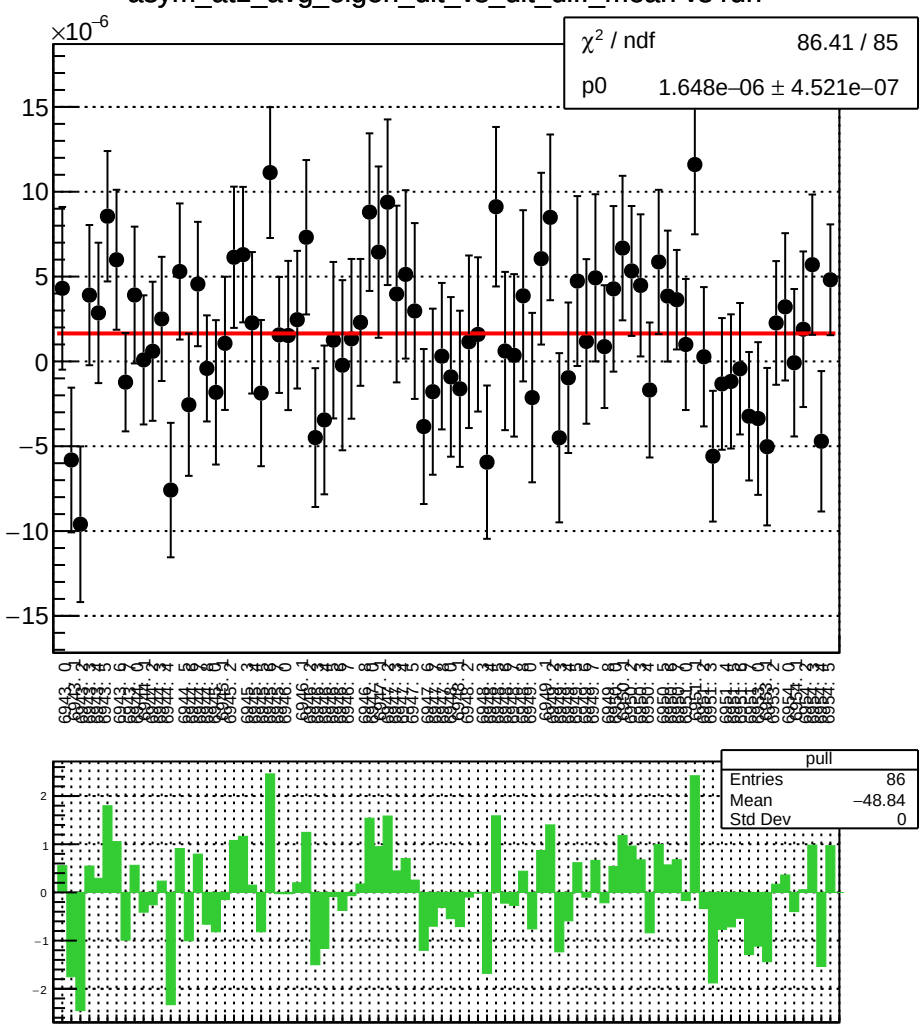

pull1D
Entries 86
Mean −0.05081
Std Dev 1.096

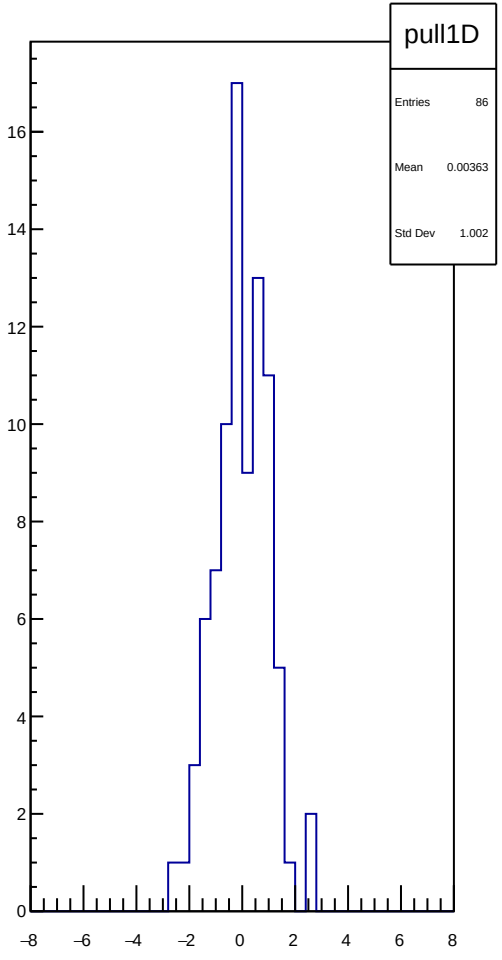

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.752e+05 / 85
p0 46.03 ± 0.03917
160
140
120
100
80
60
40
20

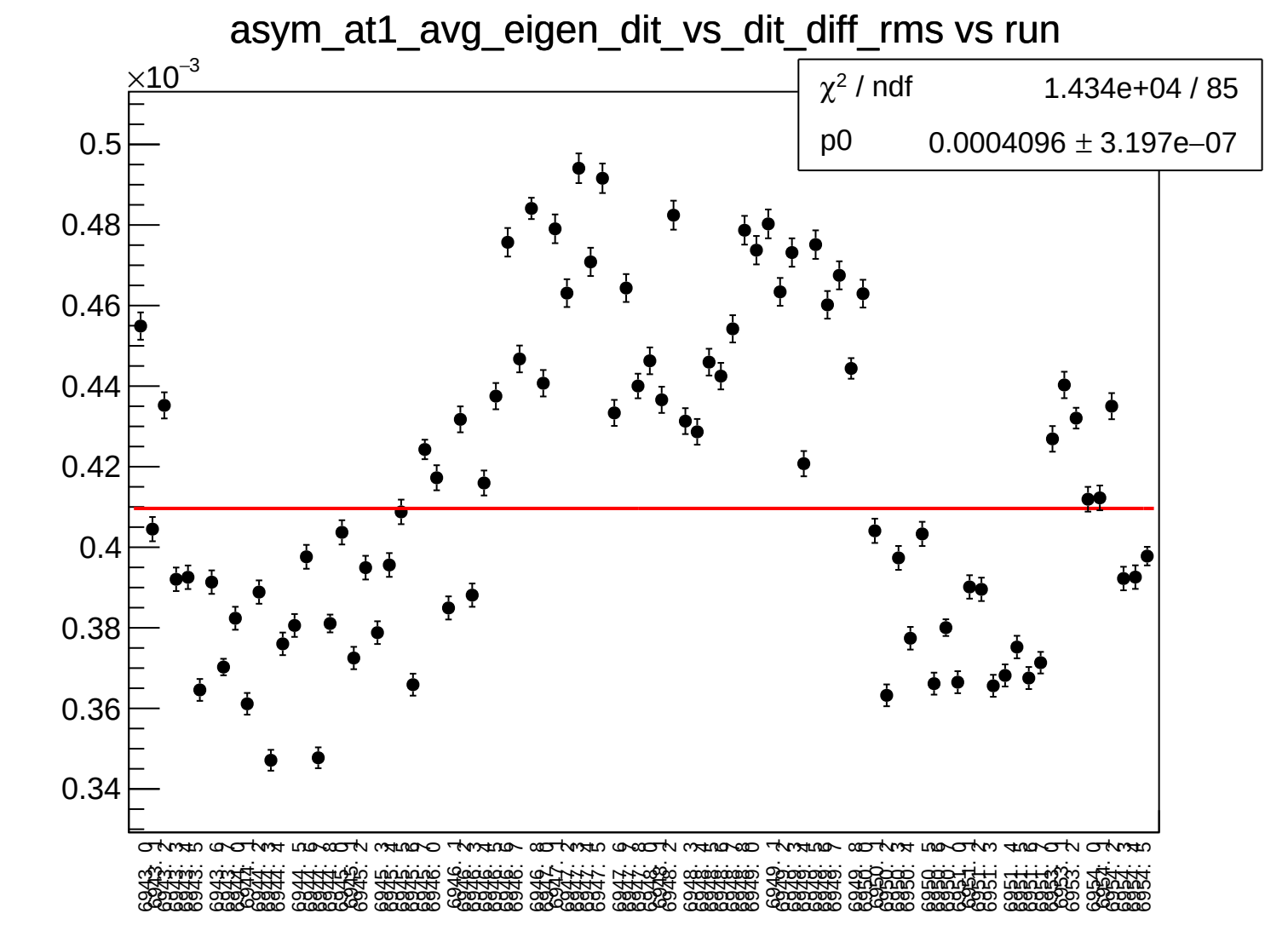

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.5 / 85
p0 0.01508 ± 0.0554
pull
Entries 86
Mean 89.59
Std Dev 0

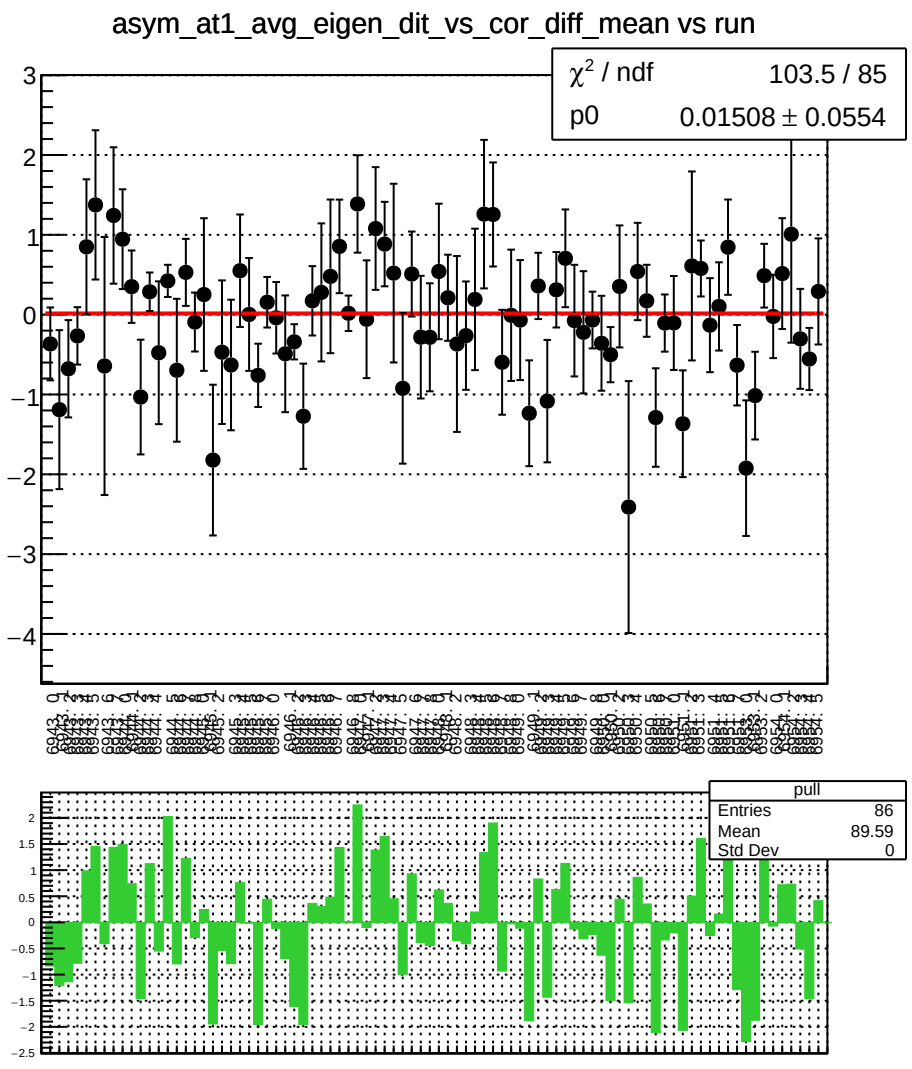

pull1D
Entries 86
Mean −0.05081
Std Dev 1.096

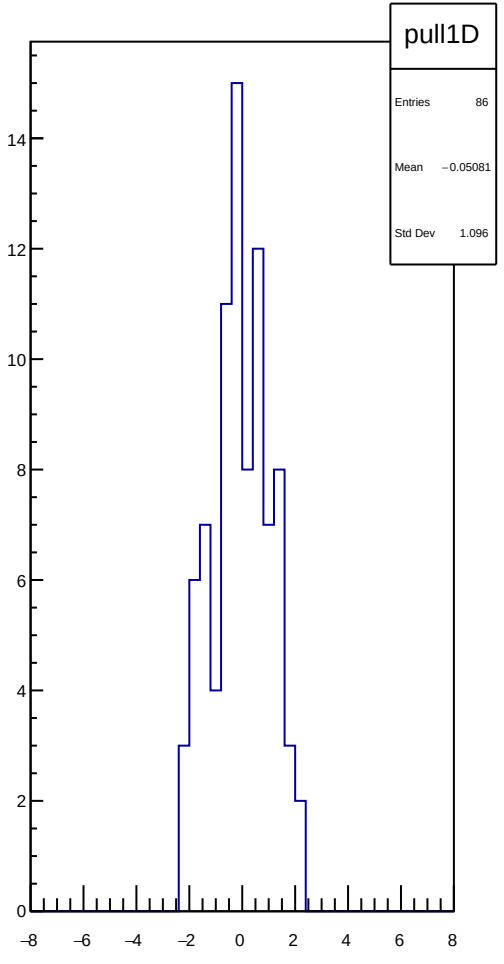

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.752e+05 / 85
p0 46.03 ± 0.03917
160
140
120
100
80
60
40
20

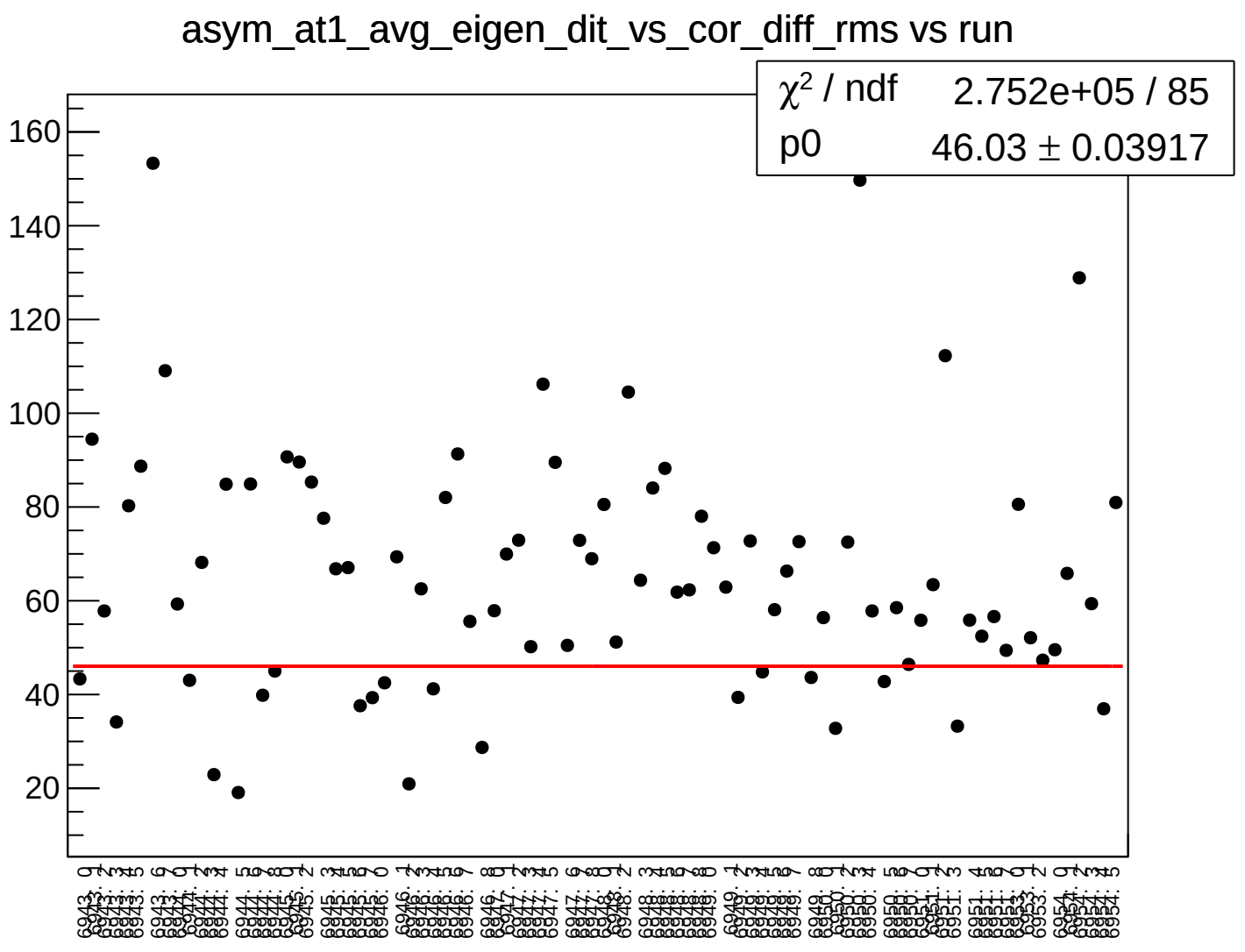

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 86.41 / 85
p0 1.648e−06 ± 4.521e−07
pull
Entries 86
Mean −48.84
Std Dev 0

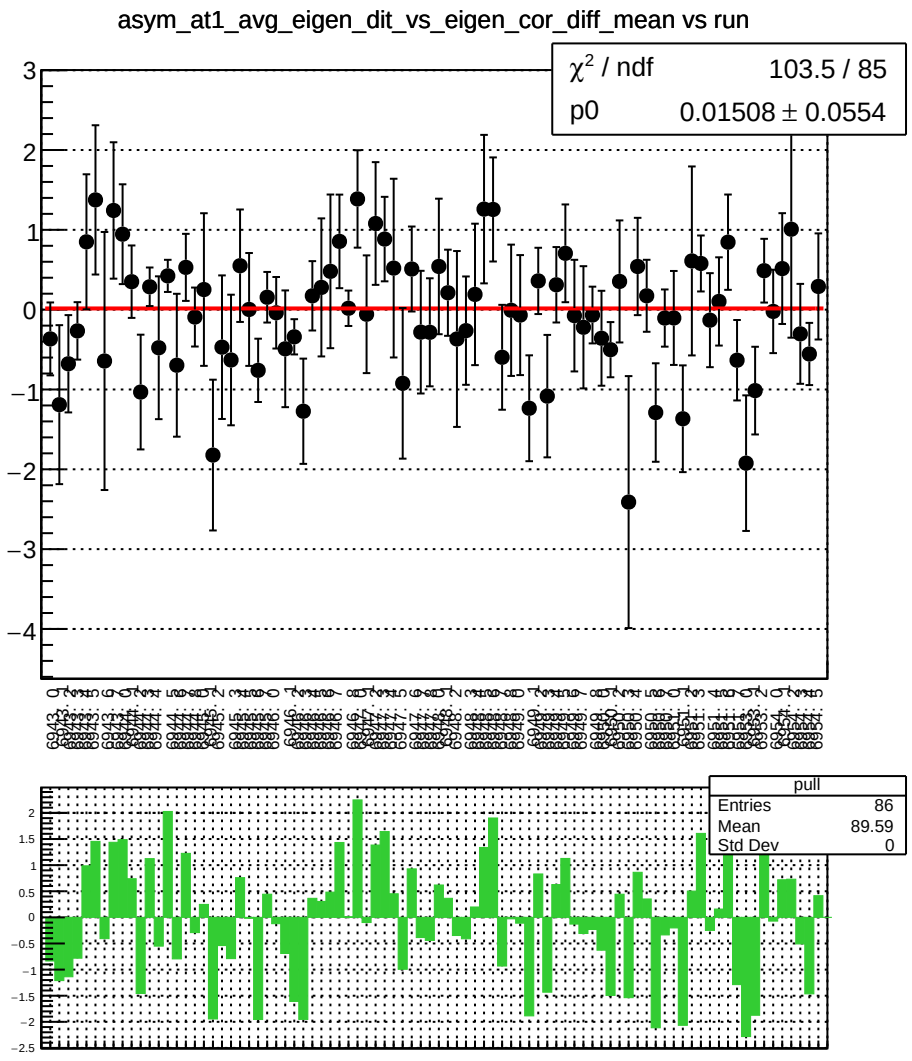

pull1D
Entries 86
Mean 0.00363
Std Dev 1.002

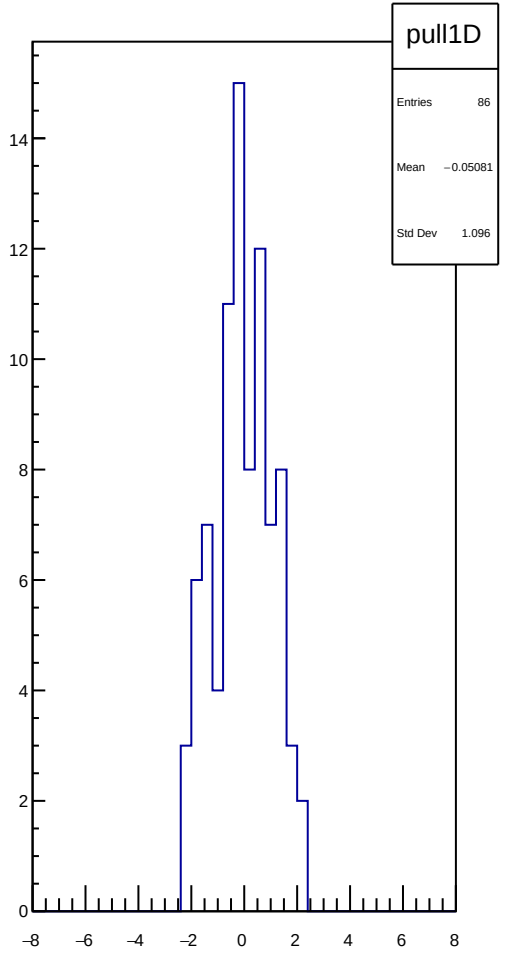

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.434e+04 / 85
p0 0.0004096 ± 3.197e−07
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34

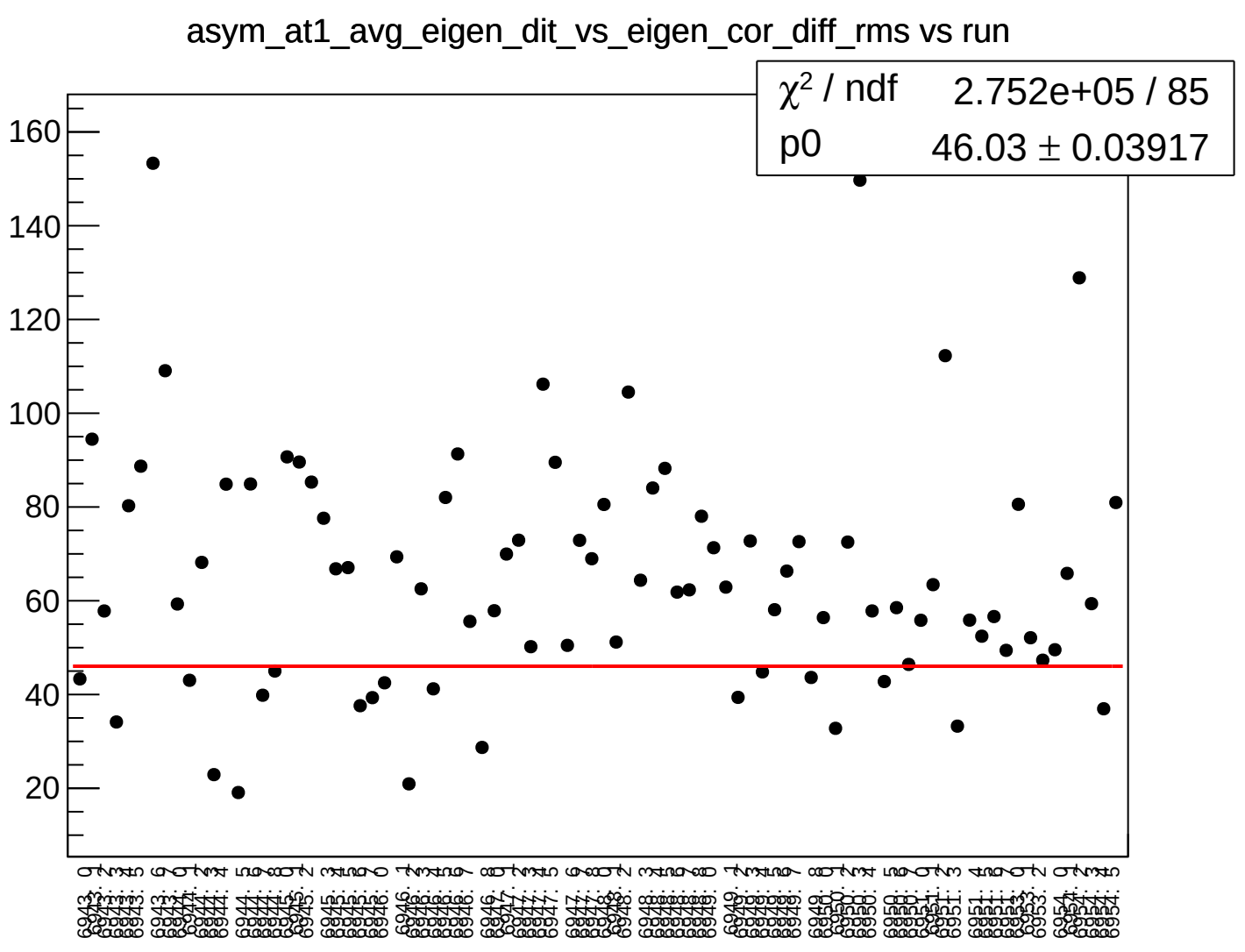

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 103.5 / 85
p0 0.01508 ± 0.0554
pull
Entries 86
Mean 89.59
Std Dev 0

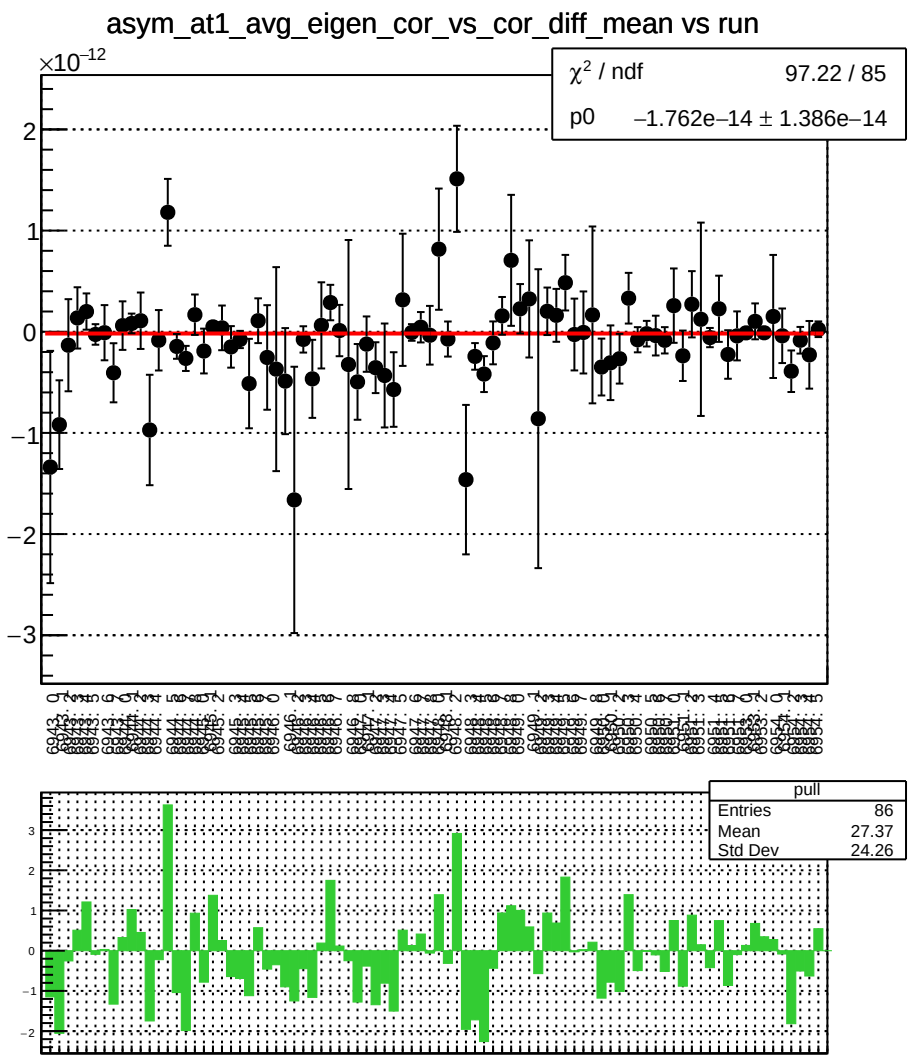

pull1D
Entries 86
Mean −0.05081
Std Dev 1.096

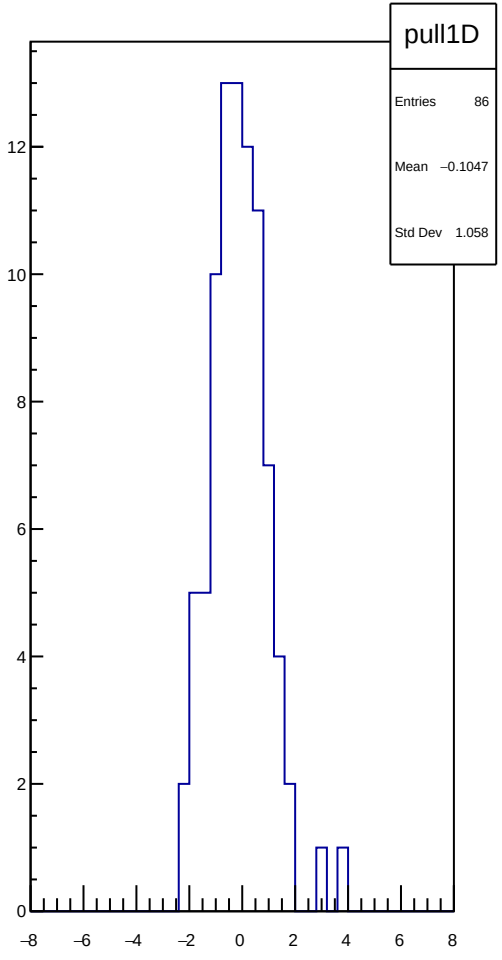

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.752e+05 / 85
p0 46.03 ± 0.03917
160
140
120
100
80
60
40
20

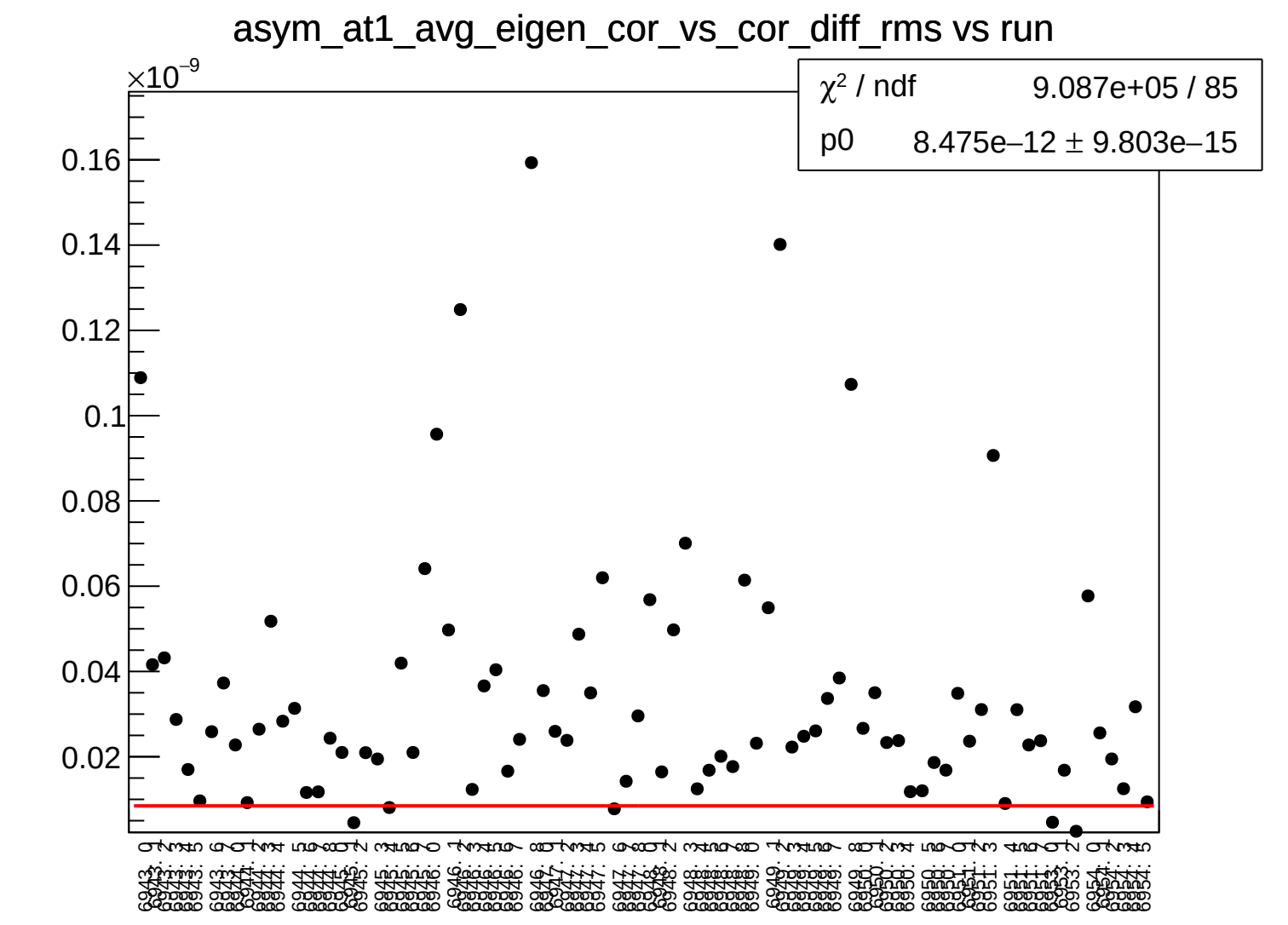

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.5 / 85
p0 0.01508 ± 0.0554
pull
Entries 86
Mean 89.59
Std Dev 0

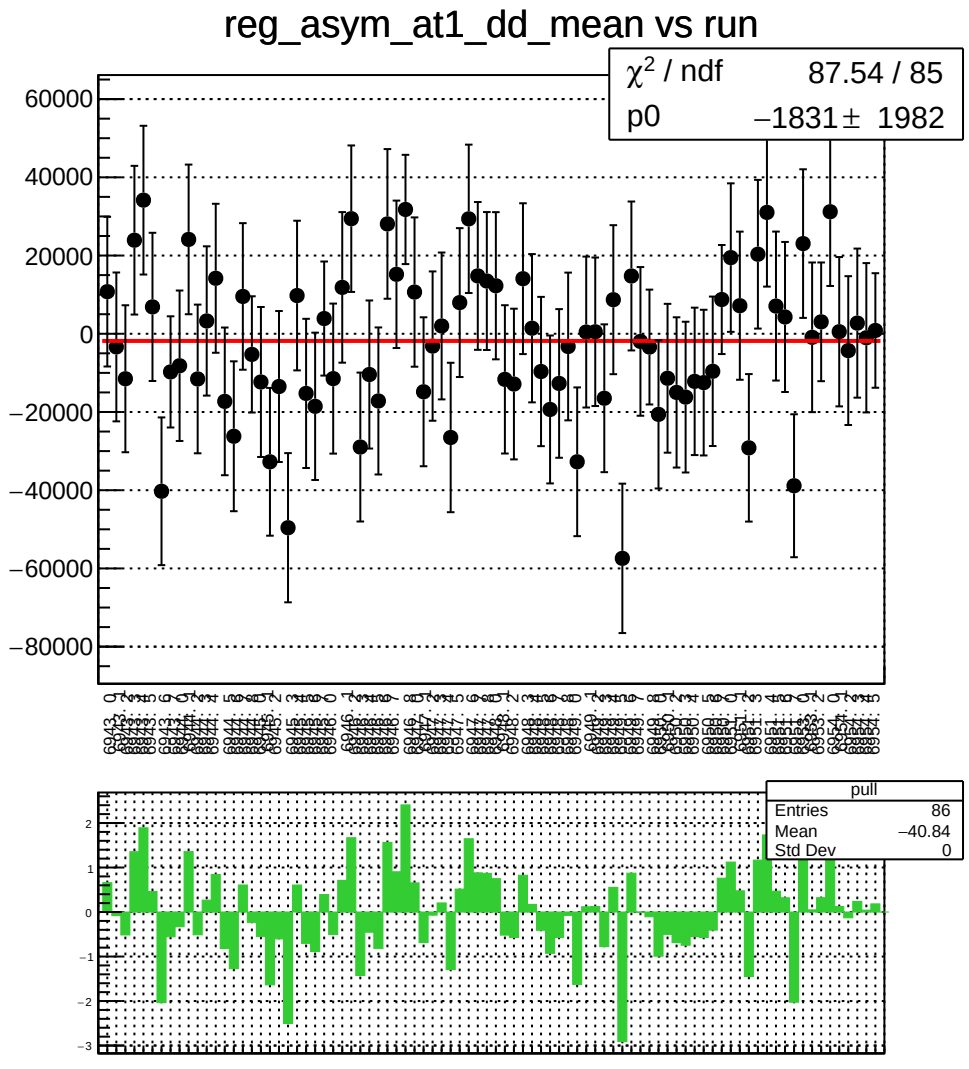

pull1D
Entries 86
Mean −0.05081
Std Dev 1.096

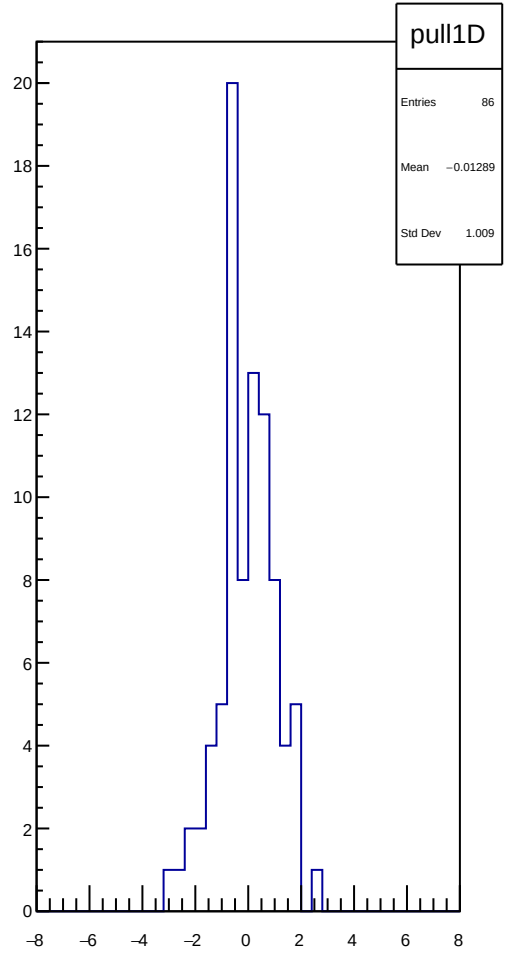

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.752e+05 / 85
p0 46.03 ± 0.03917
160
140
120
100
80
60
40
20

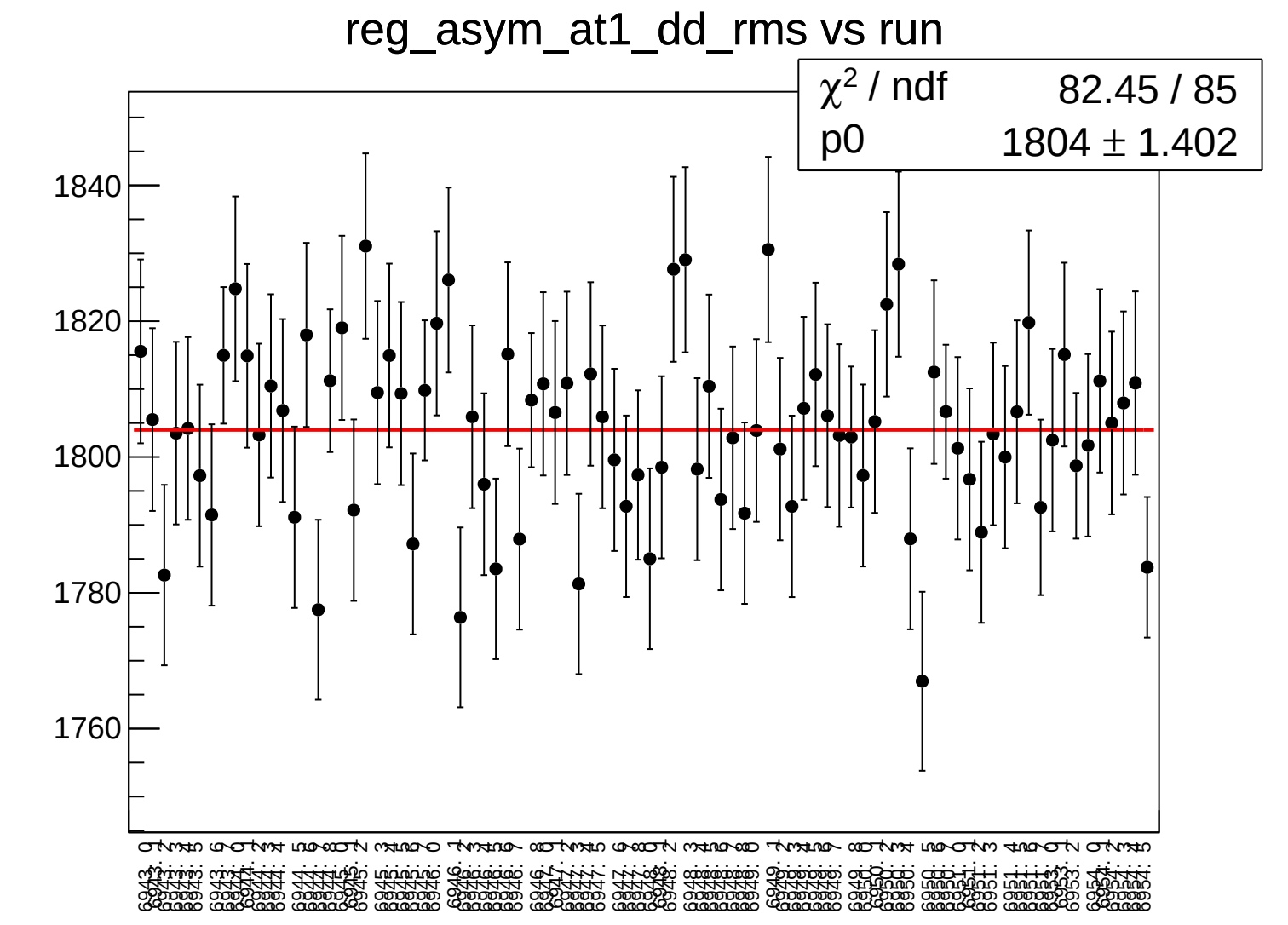

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.22 / 85
p0 −1.762e−14 ± 1.386e−14
pull
Entries 86
Mean 27.37
Std Dev 24.26

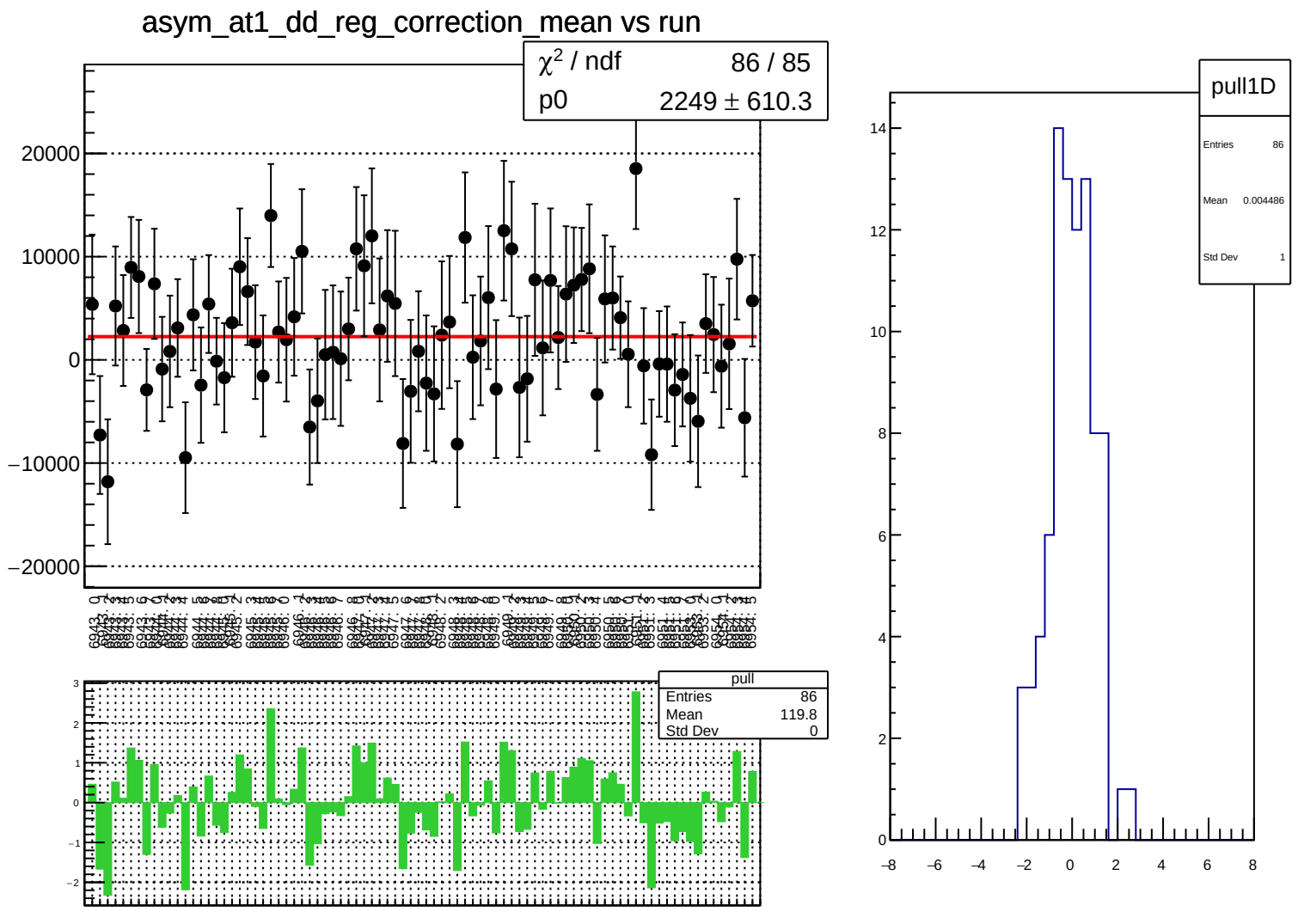

pull1D
Entries 86
Mean −0.1047
Std Dev 1.058

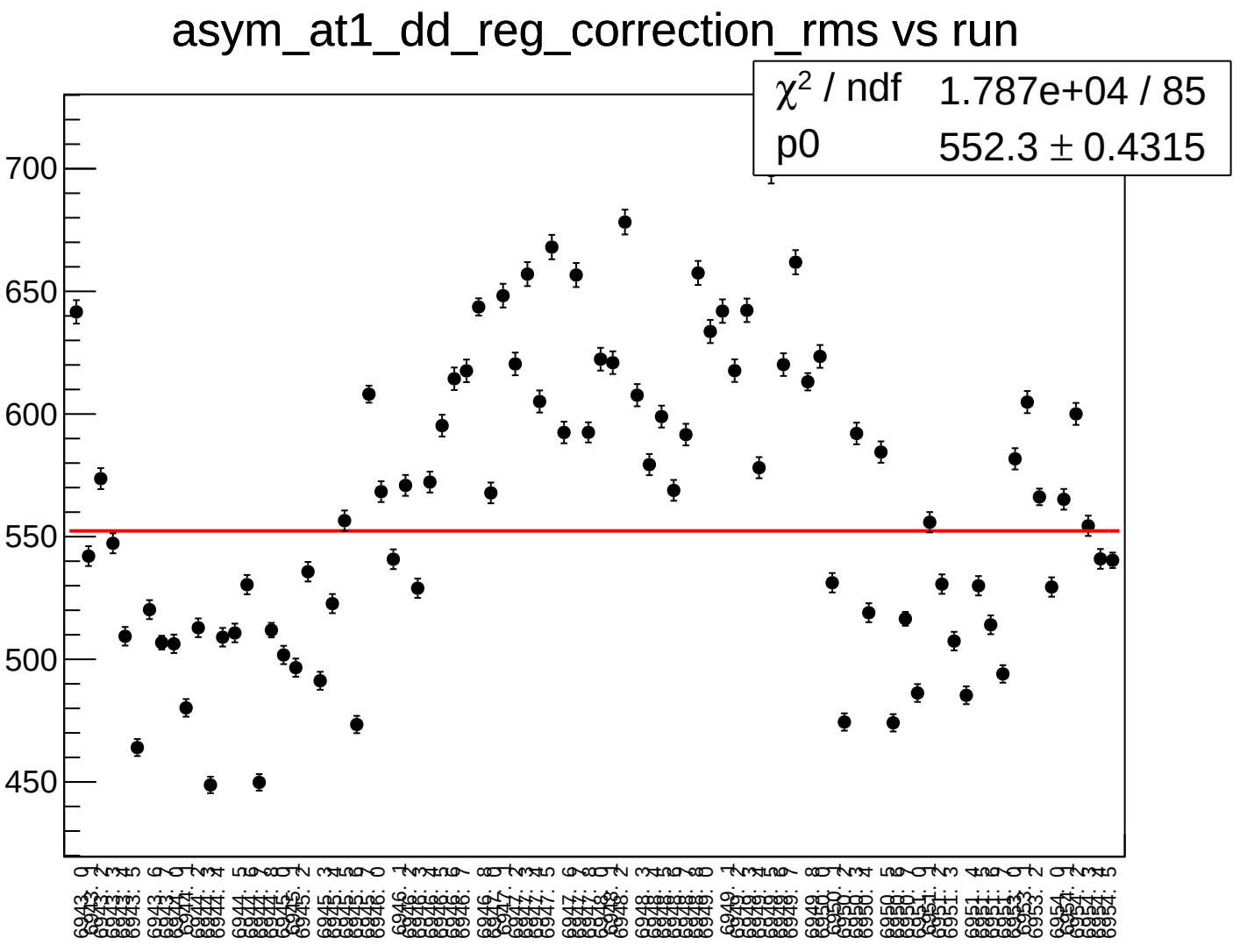

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.087e+05 / 85
p0 8.475e−12 ± 9.803e−15
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

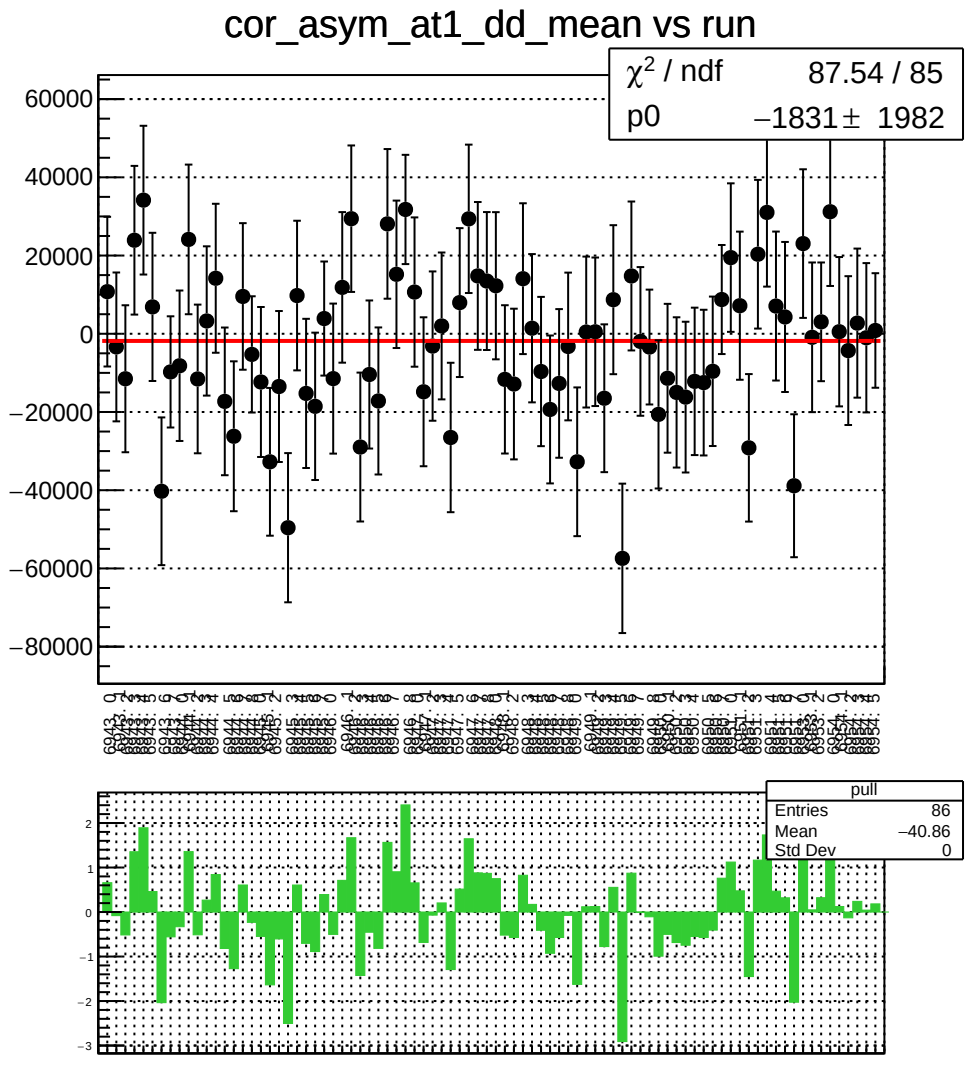

reg_asym_at1_dd_mean vs run
χ² / ndf 87.54 / 85
p0 −1831 ± 1982
pull
Entries 86
Mean −40.84
Std Dev 0

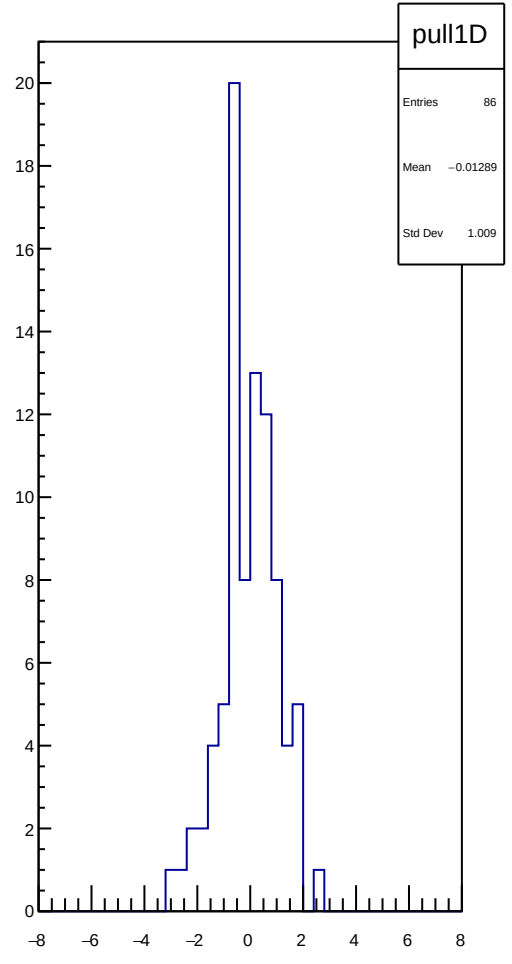

pull1D
Entries 86
Mean −0.01289
Std Dev 1.009

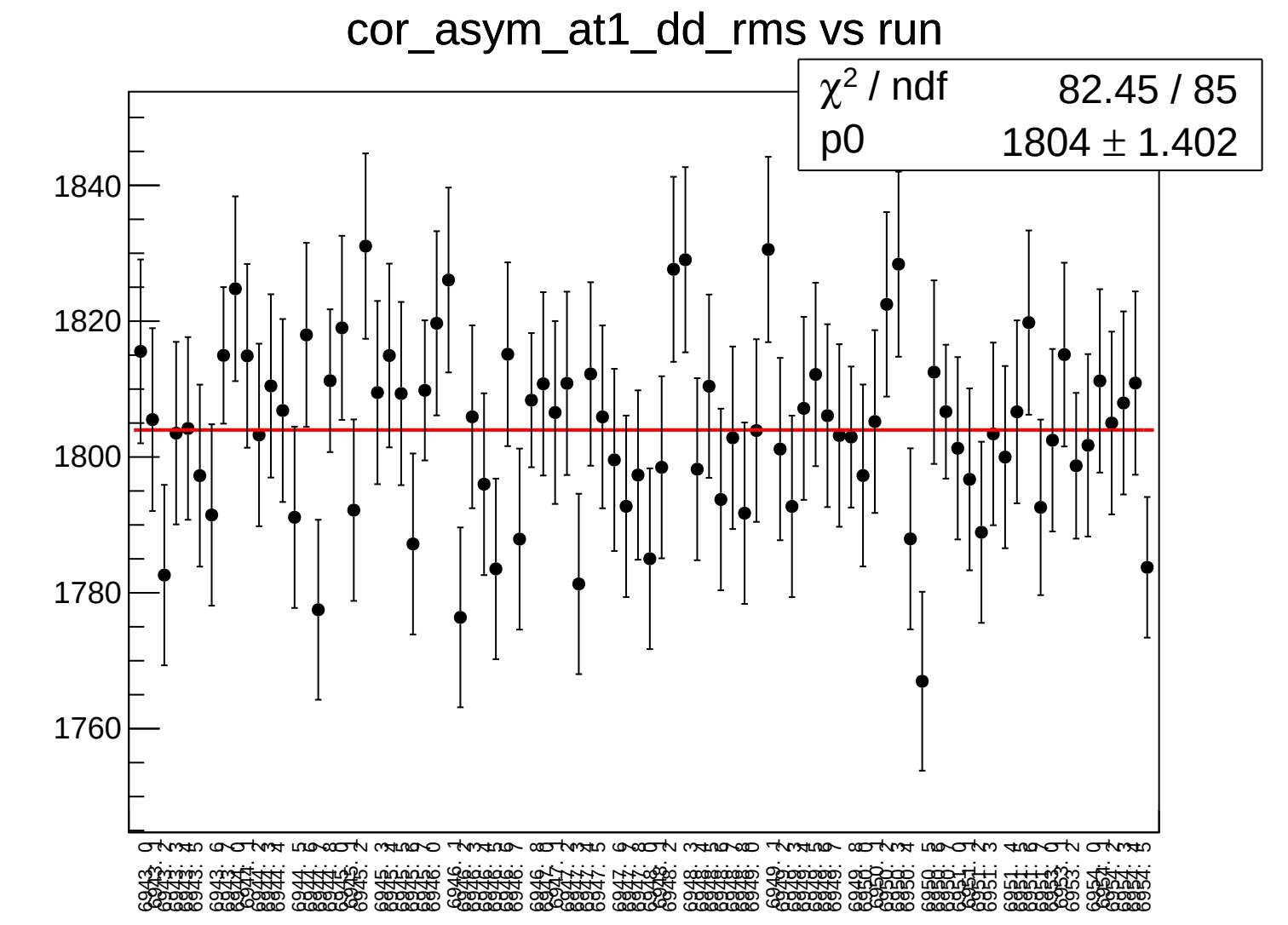

reg_asym_at1_dd_rms vs run
χ^2 / ndf 82.45 / 85
p0 1804 ± 1.402
1840
1820
1800
1780
1760

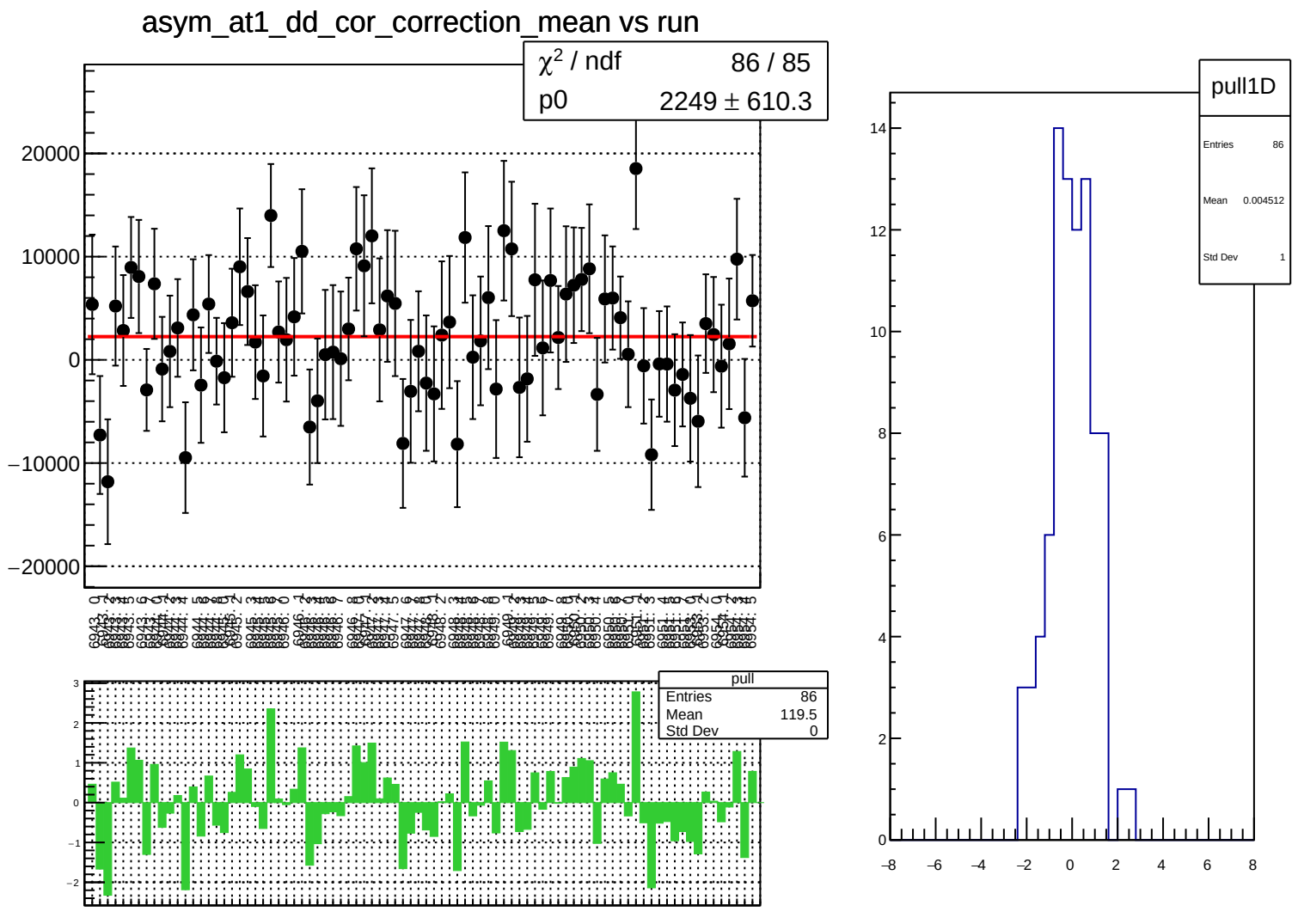

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 86 / 85
p0 2249 ± 610.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 119.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.004486
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

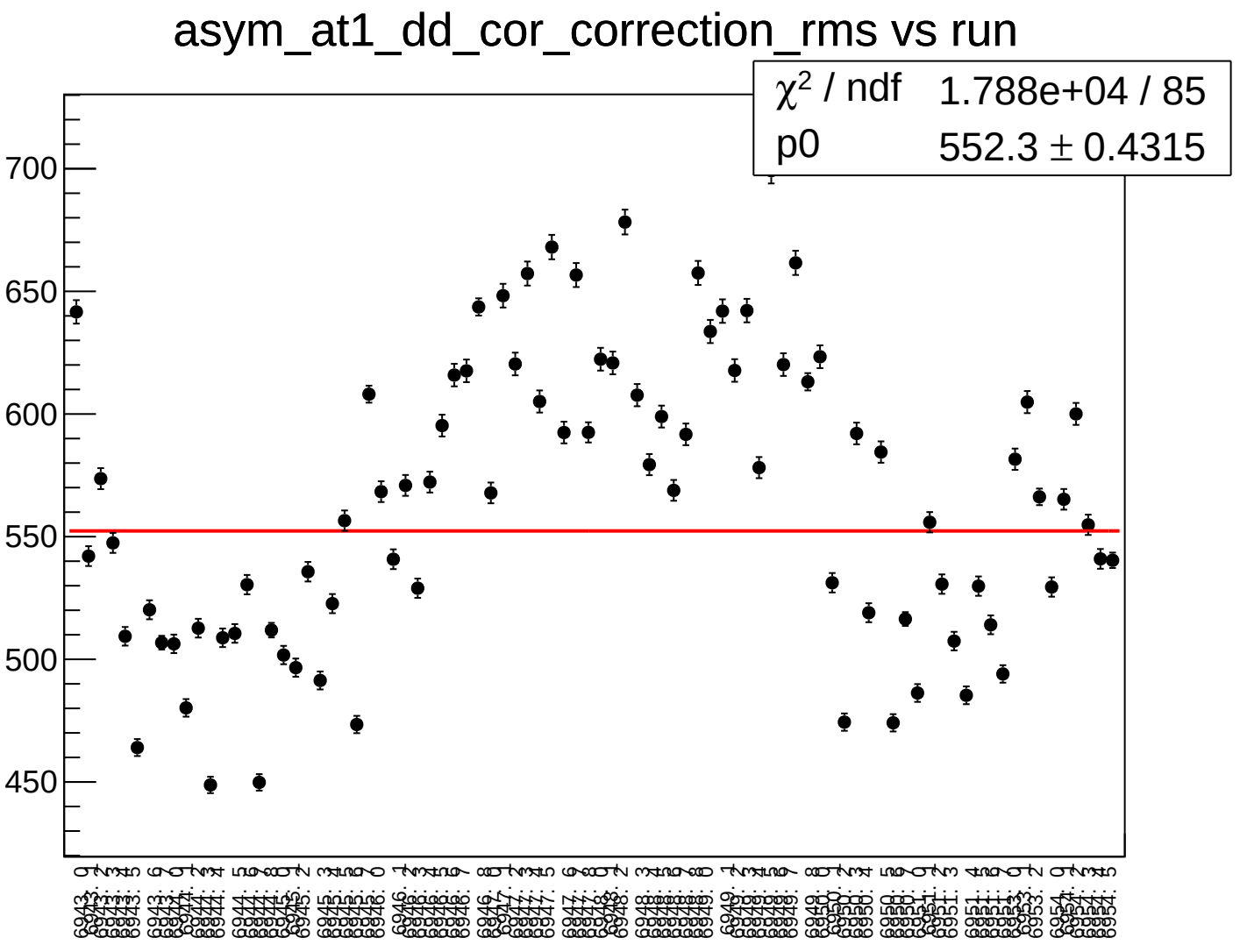

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 1.787e+04 / 85
p0 552.3 ± 0.4315
700
650
600
550
500
450

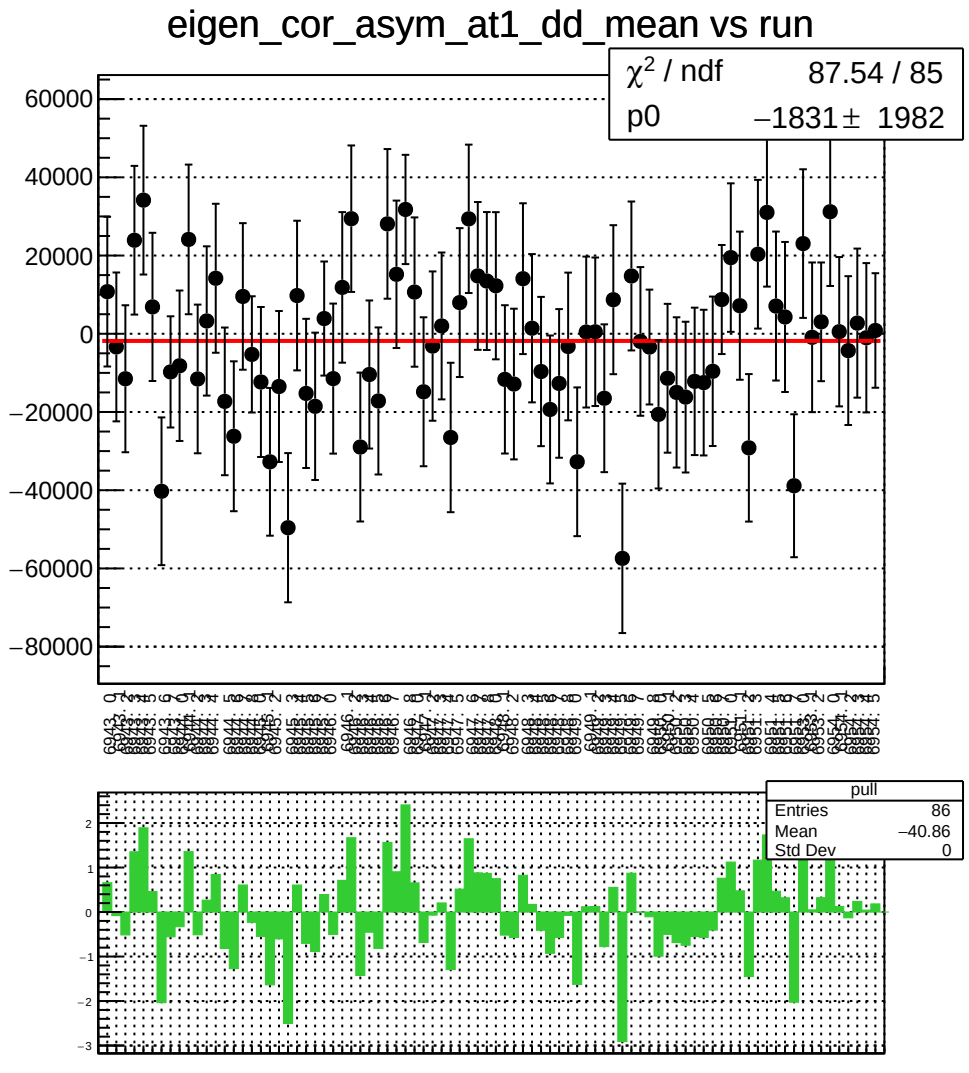

cor_asym_at1_dd_mean vs run
χ² / ndf 87.54 / 85
p0 −1831 ± 1982
pull
Entries 86
Mean −40.86
Std Dev 0

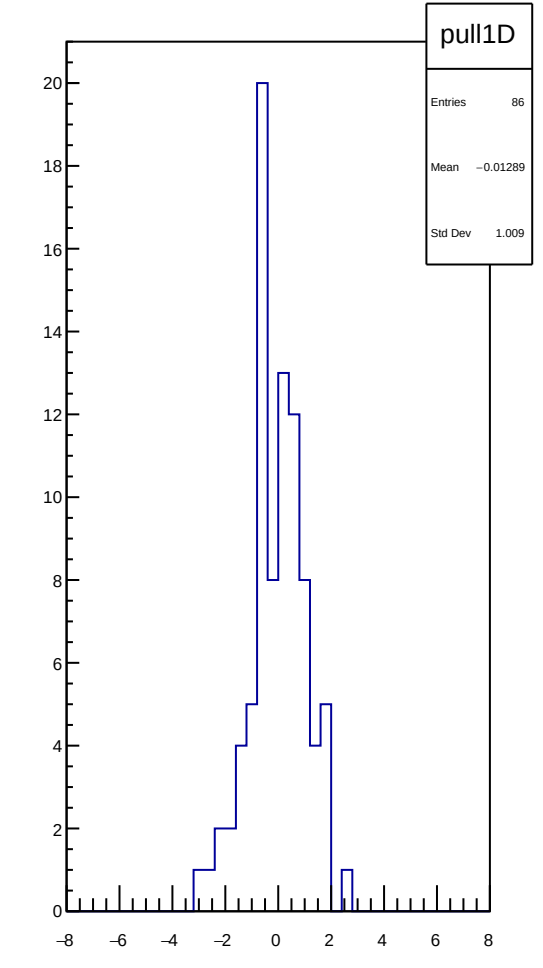

pull1D
Entries 86
Mean −0.01289
Std Dev 1.009

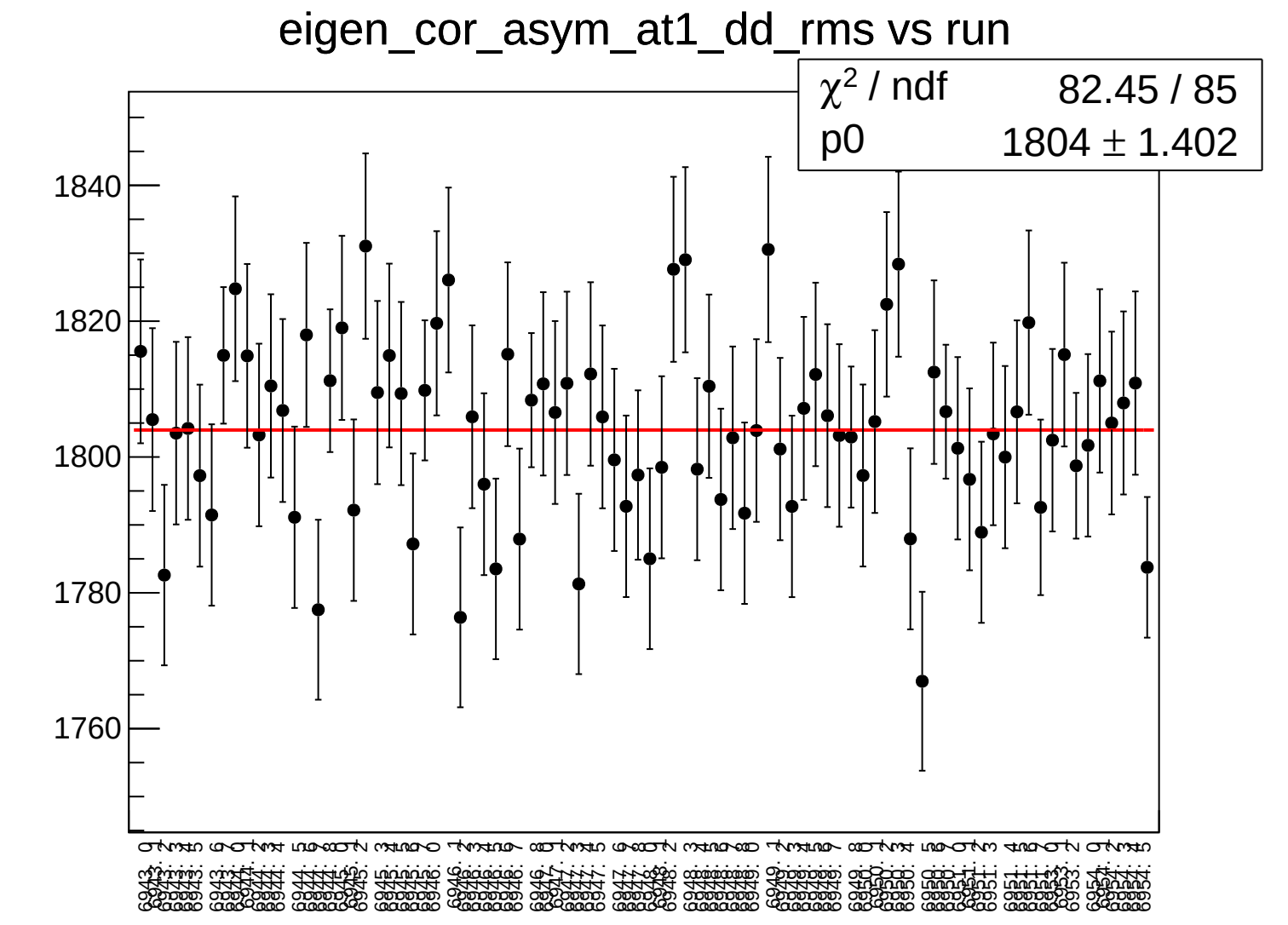

cor_asym_at1_dd_rms vs run
χ^2 / ndf 82.45 / 85
p0 1804 ± 1.402
1840
1820
1800
1780
1760

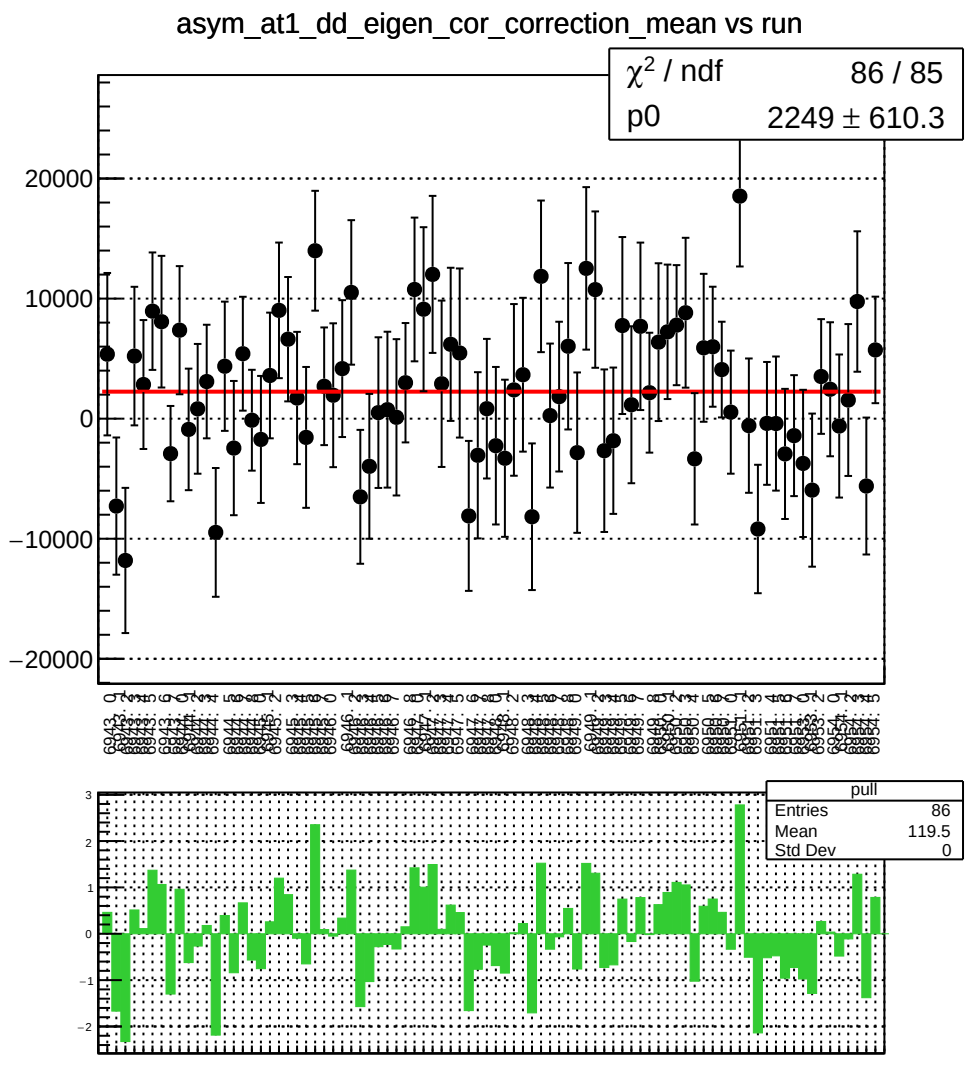

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 86 / 85
p0 2249 ± 610.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 119.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.004512
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

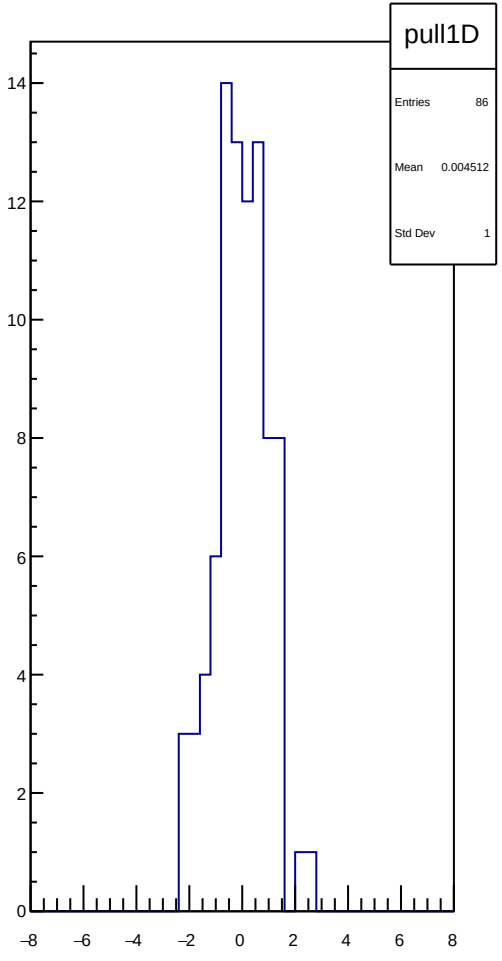

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 1.788e+04 / 85
p0 552.3 ± 0.4315
700
650
600
550
500
450

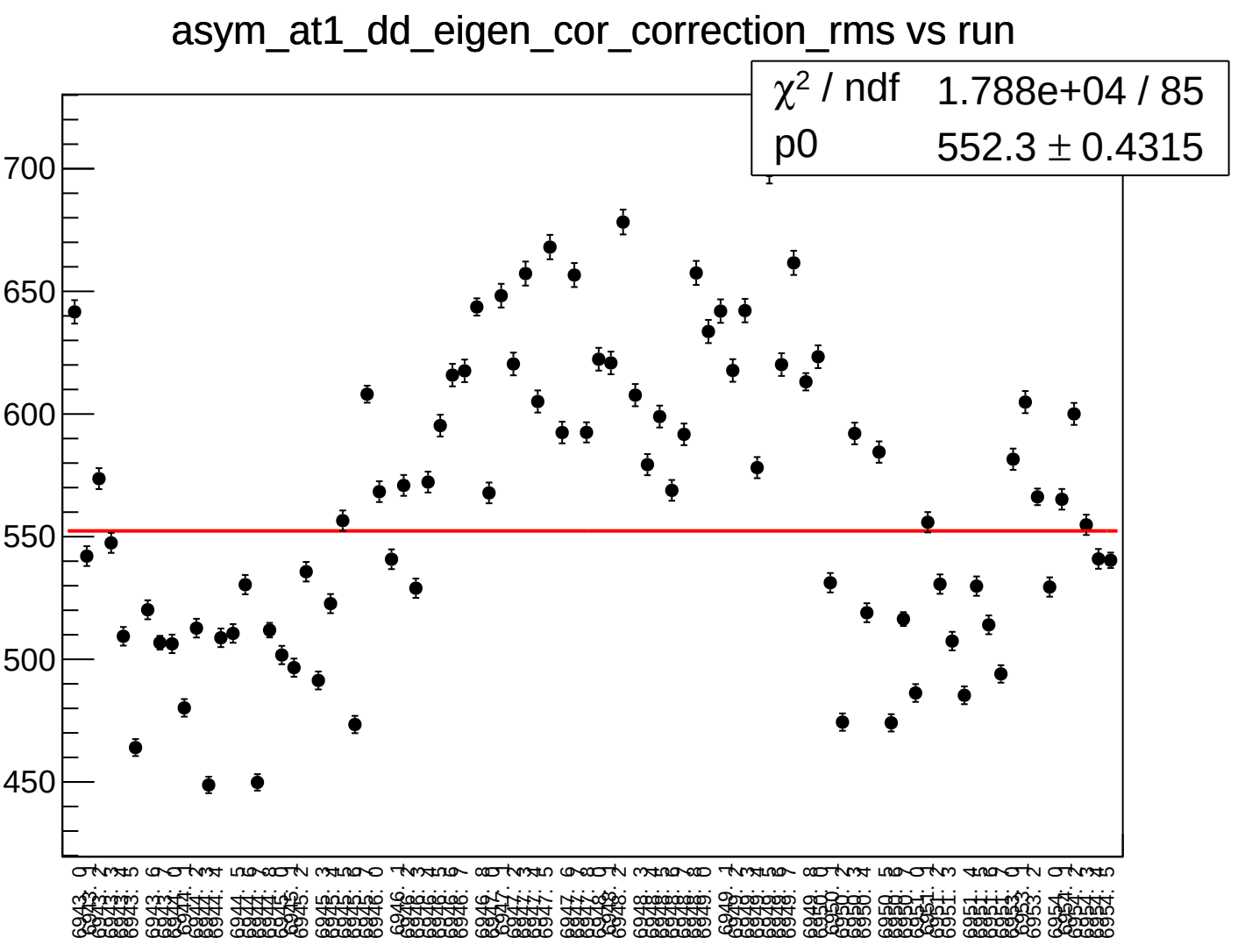

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 87.54 / 85
p0 −1831 ± 1982
pull
Entries 86
Mean −40.86
Std Dev 0

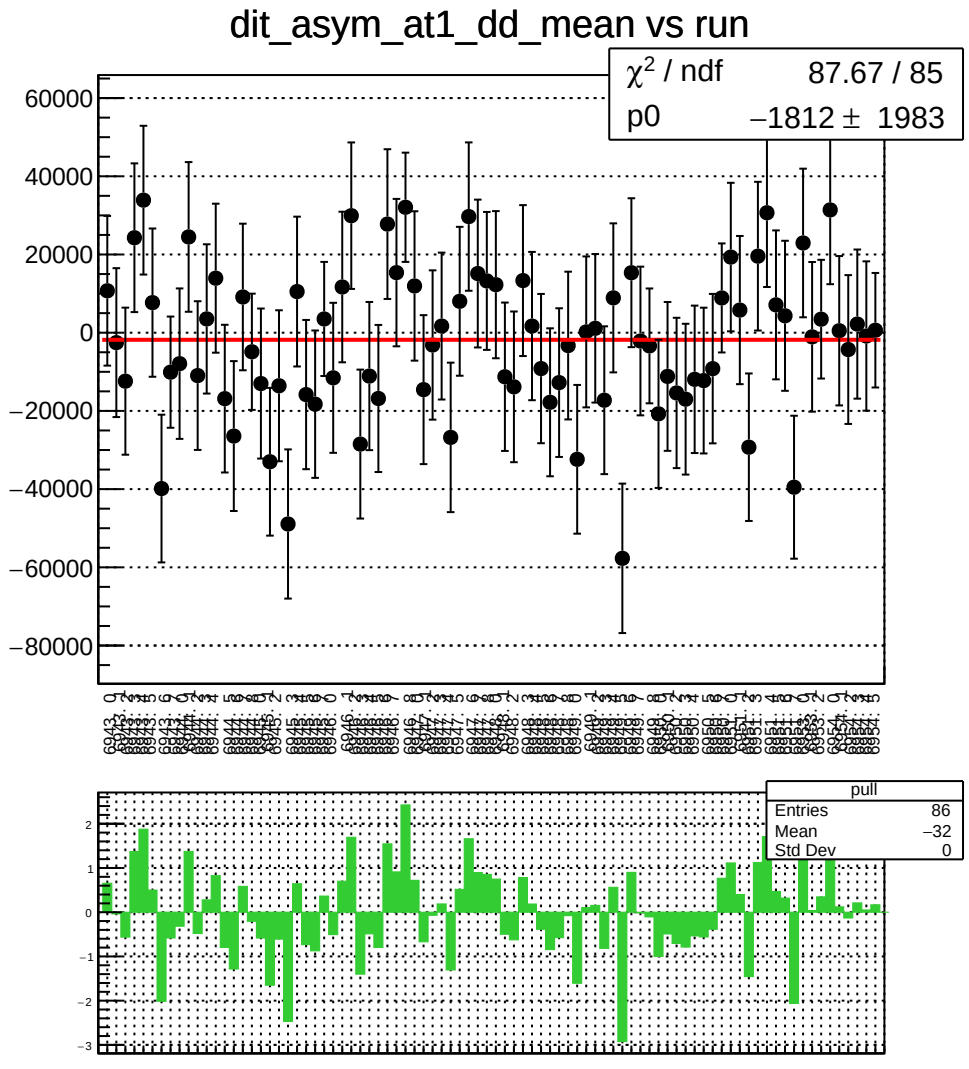

pull1D
Entries 86
Mean −0.01289
Std Dev 1.009

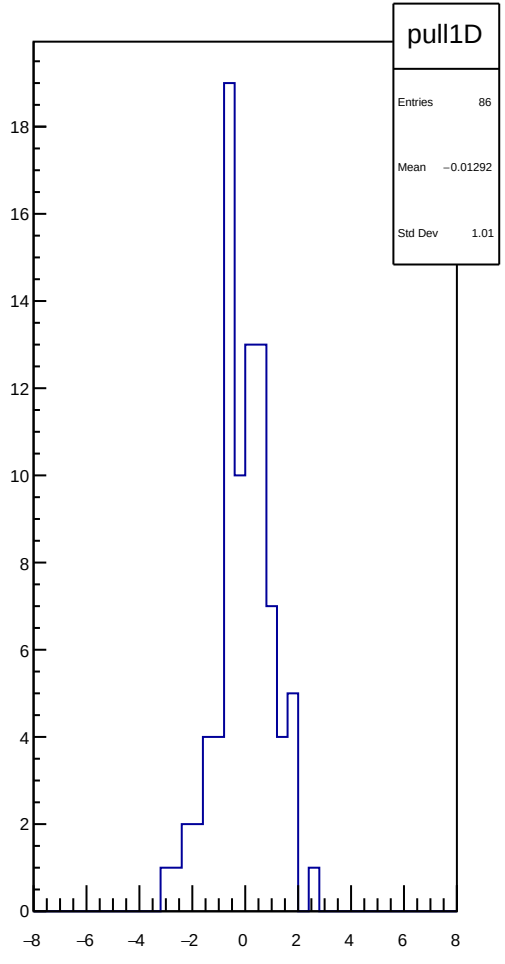

eigen_cor_asym_at1_dd_rms vs run
χ^2 / ndf 82.45 / 85
p0 1804 ± 1.402
1840
1820
1800
1780
1760

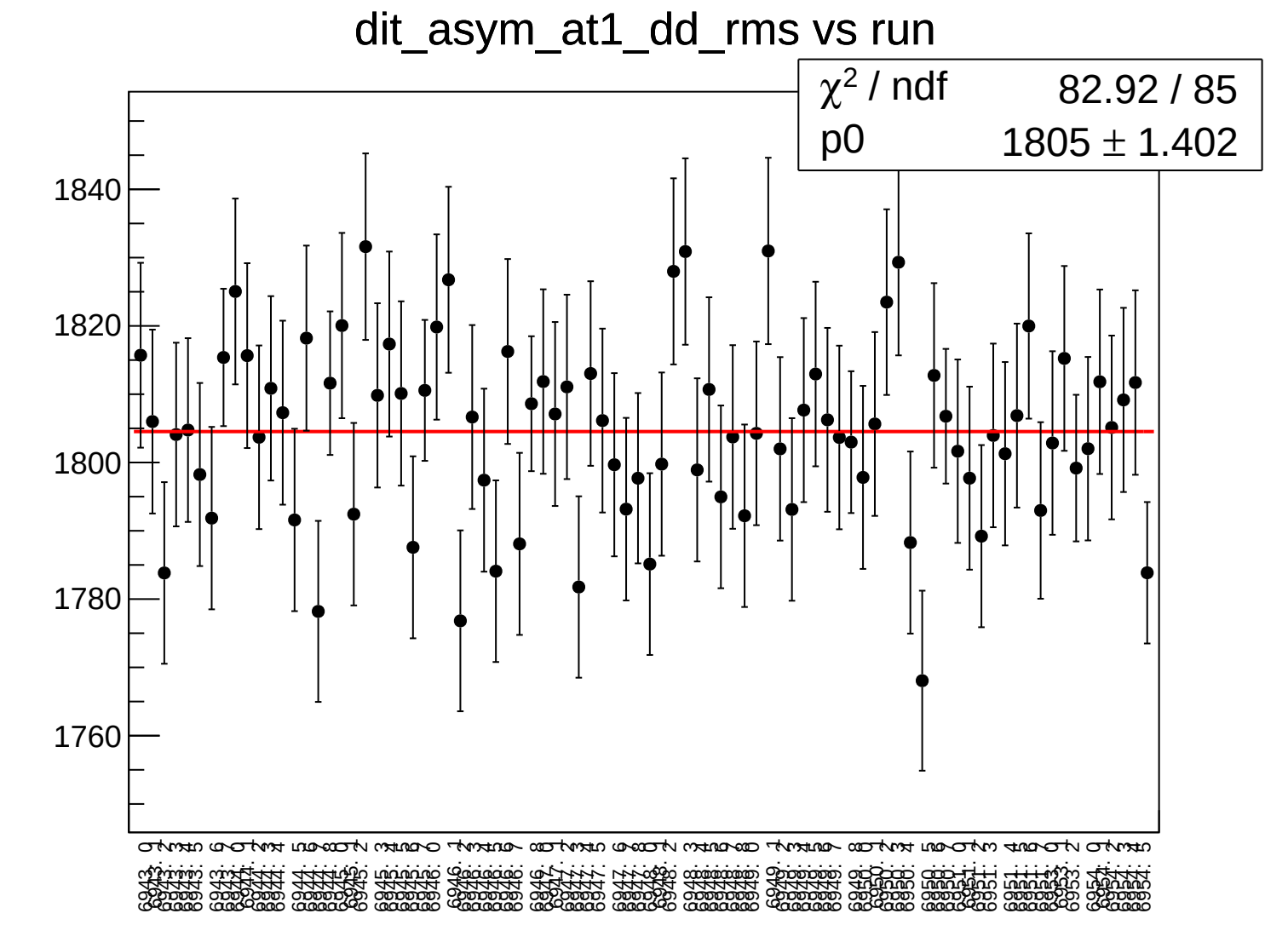

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 86 / 85
p0 2249 ± 610.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 119.5
Std Dev 0
3
2
1
0
−1
−2

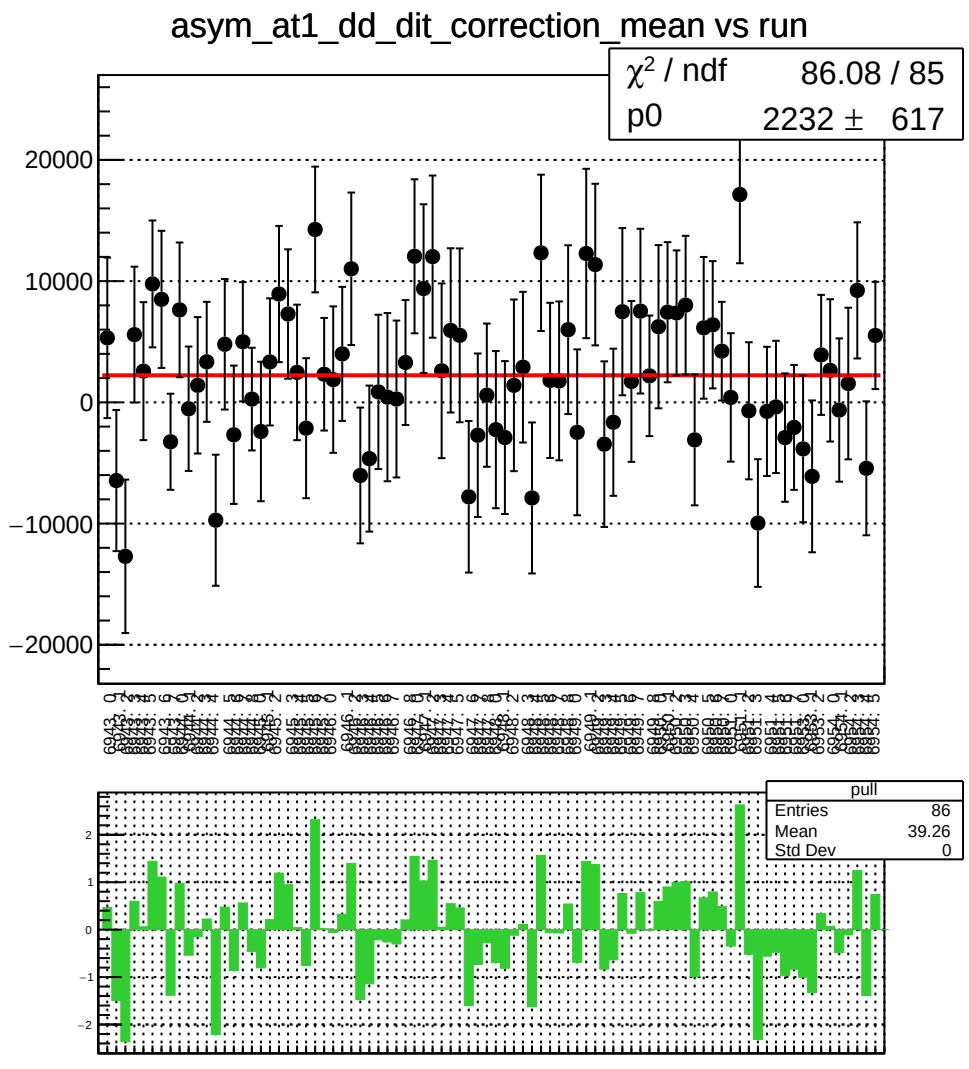

pull1D
Entries 86
Mean 0.004512
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

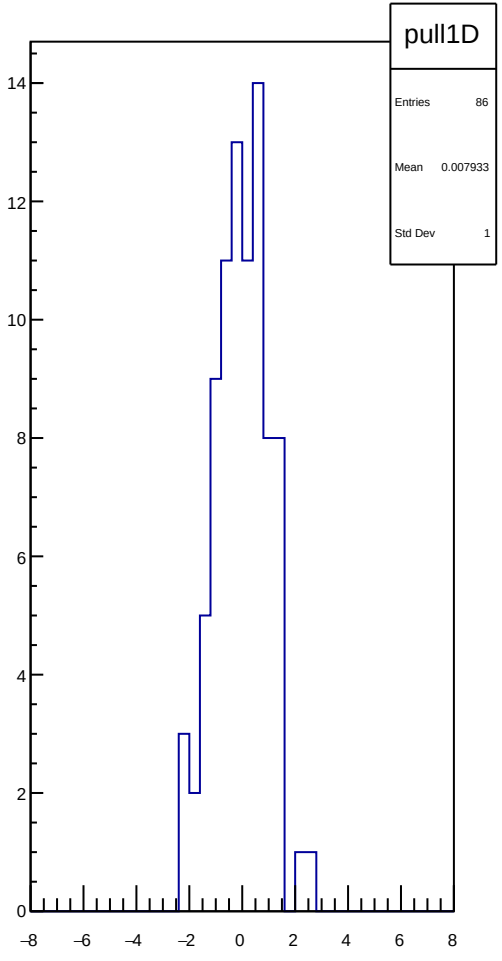

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.788e+04 / 85
p0 552.3 ± 0.4315
700
650
600
550
500
450

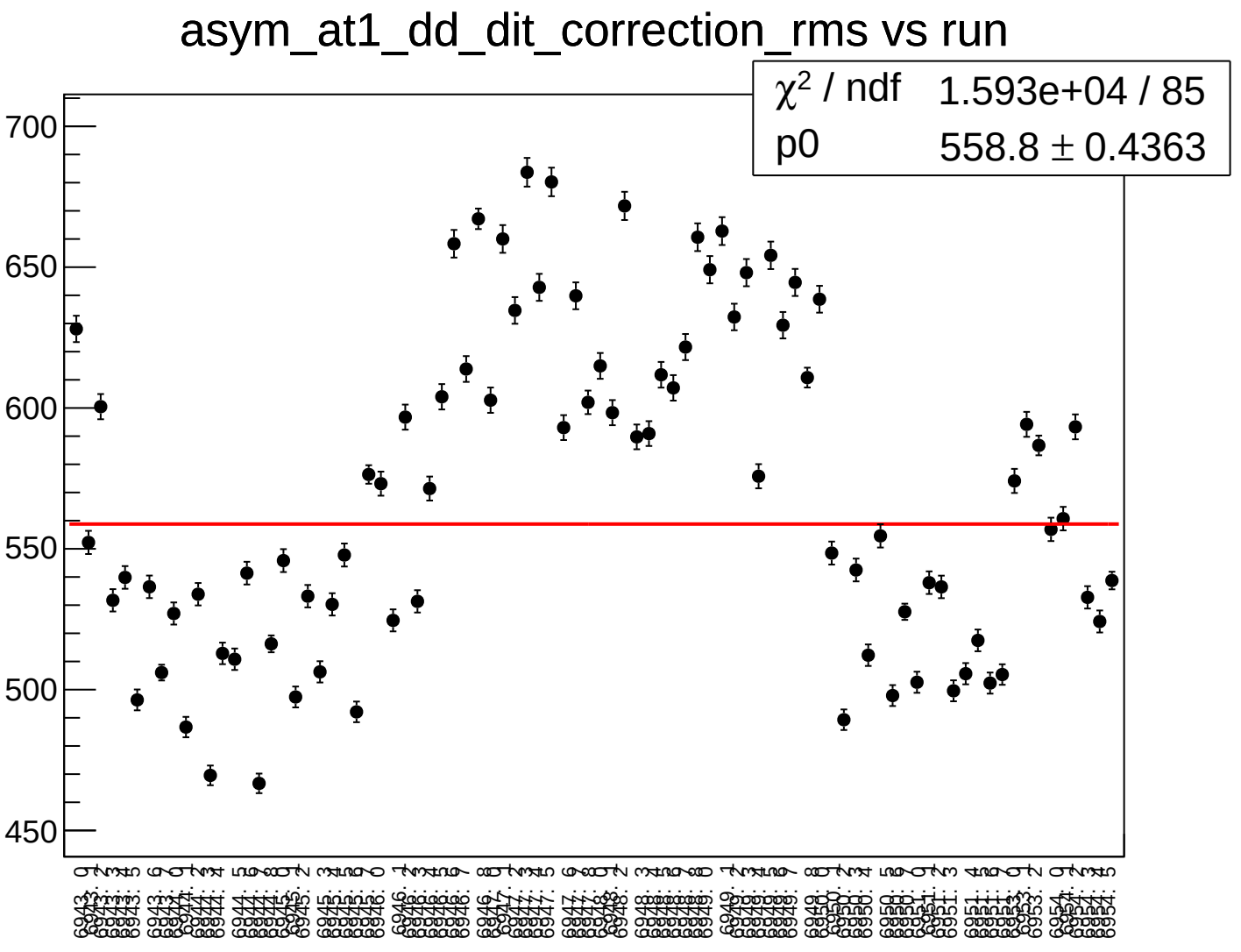

dit_asym_at1_dd_mean vs run
χ² / ndf 87.67 / 85
p0 −1812 ± 1983
pull
Entries 86
Mean −32
Std Dev 0

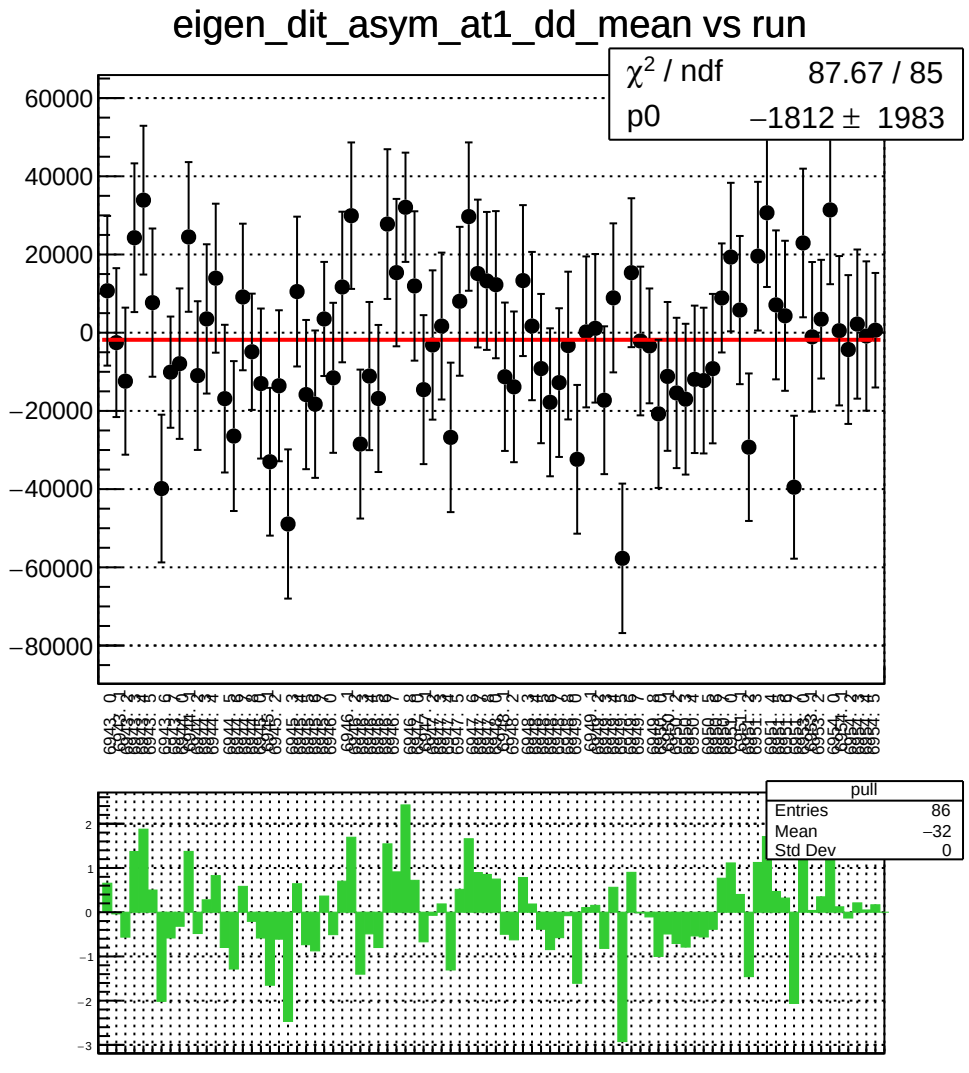

pull1D
Entries 86
Mean −0.01292
Std Dev 1.01

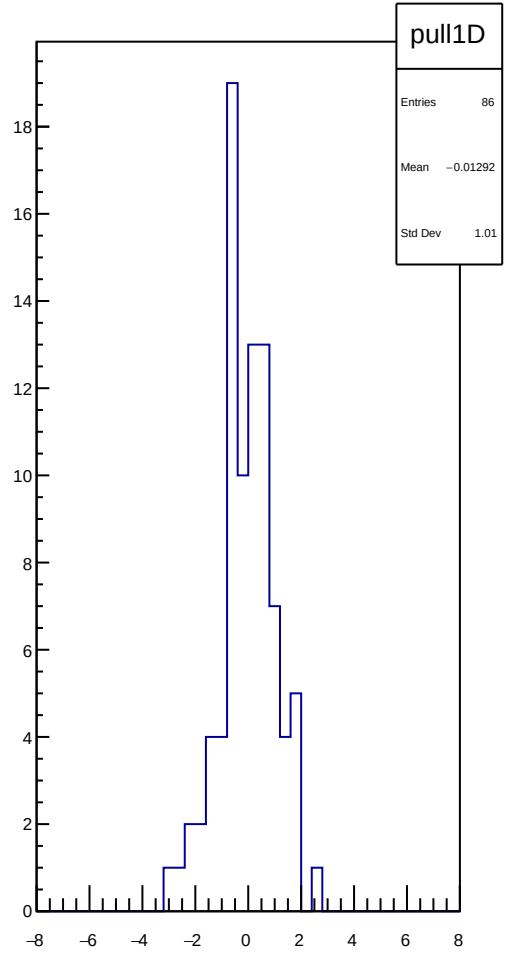

dit_asym_at1_dd_rms vs run
χ^2 / ndf 82.92 / 85
p0 1805 ± 1.402
1840
1820
1800
1780
1760

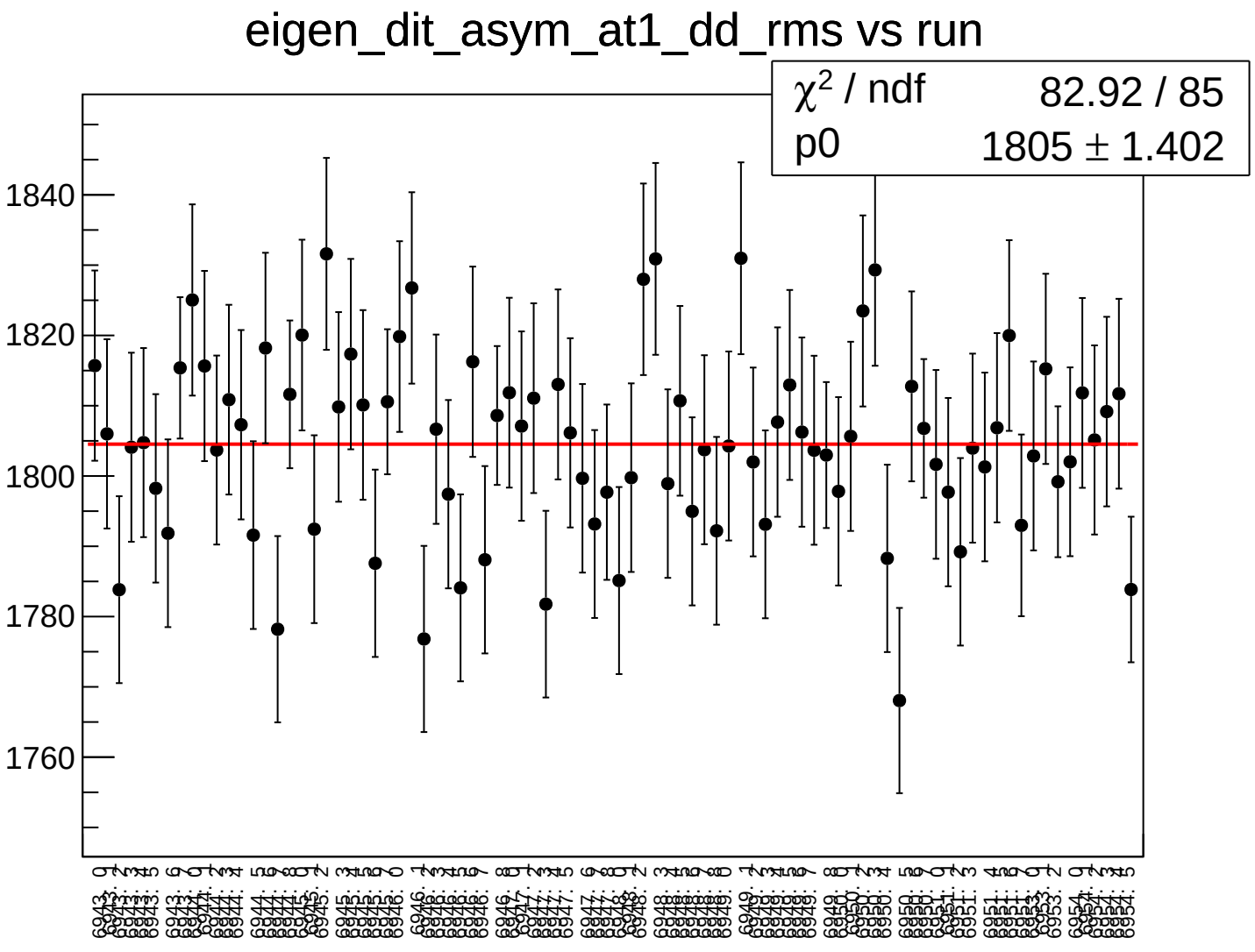

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 86.08 / 85
p0 2232 ± 617
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 39.26
Std Dev 0
2
1
0
−1
−2

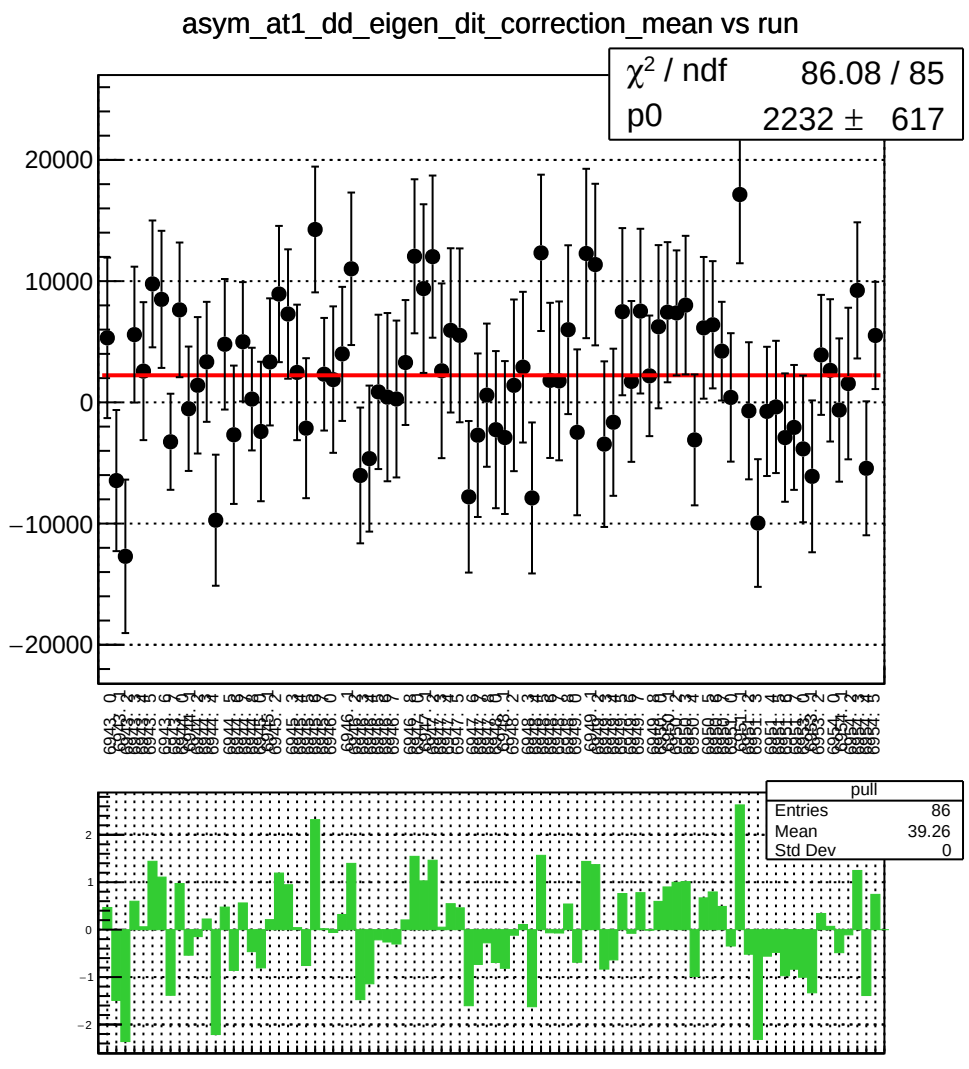

pull1D
Entries 86
Mean 0.007933
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

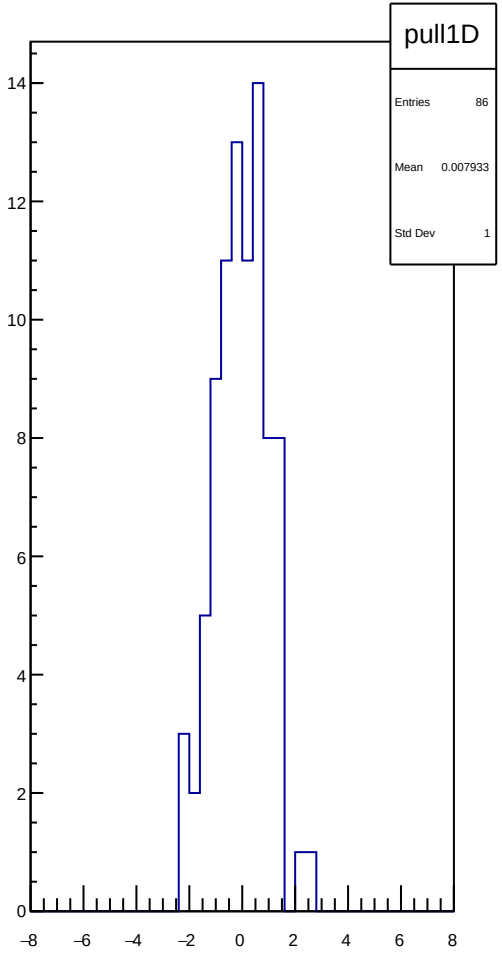

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 1.593e+04 / 85
p0 558.8 ± 0.4363
700
650
600
550
500
450

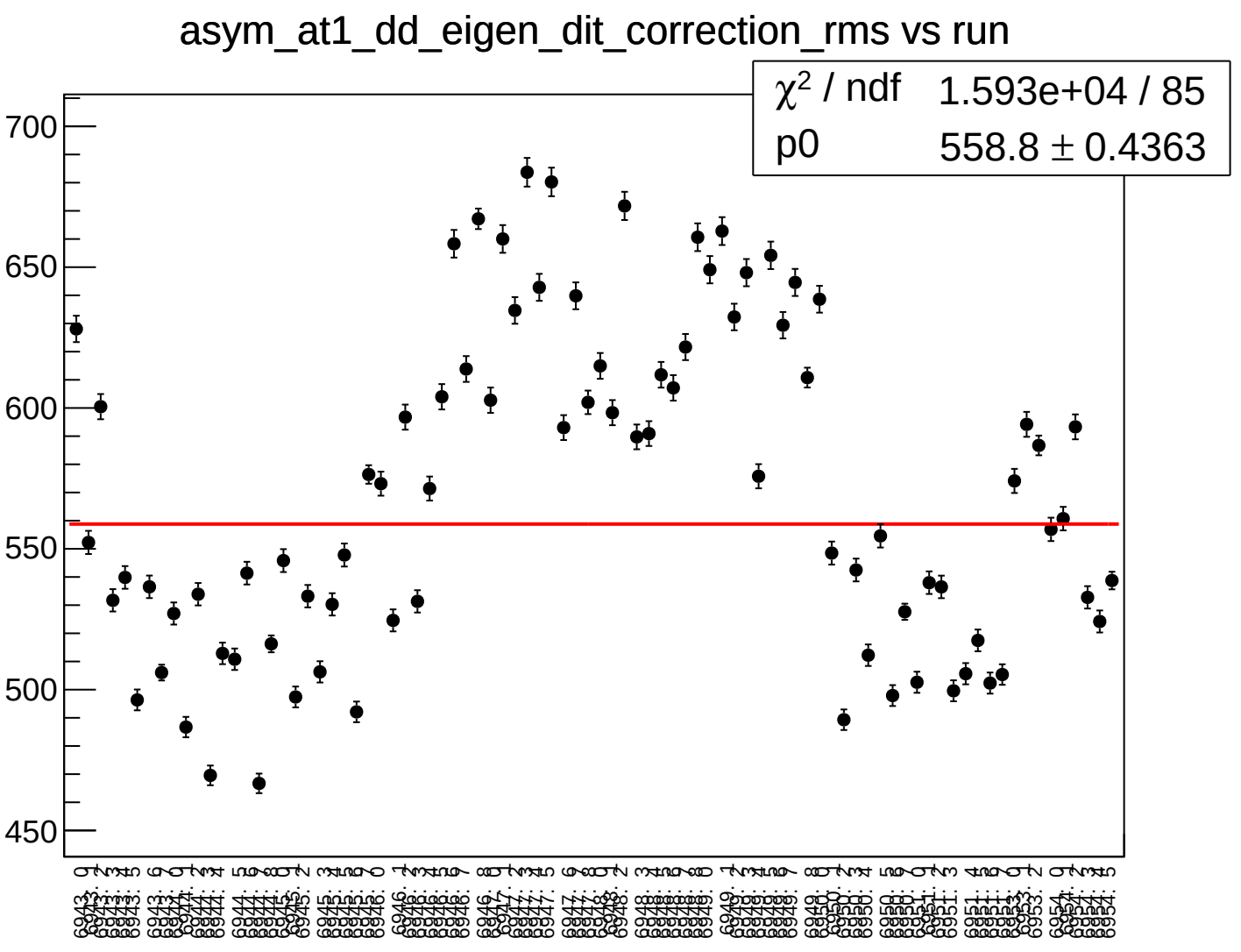

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 87.67 / 85
p0 −1812 ± 1983
pull
Entries 86
Mean −32
Std Dev 0

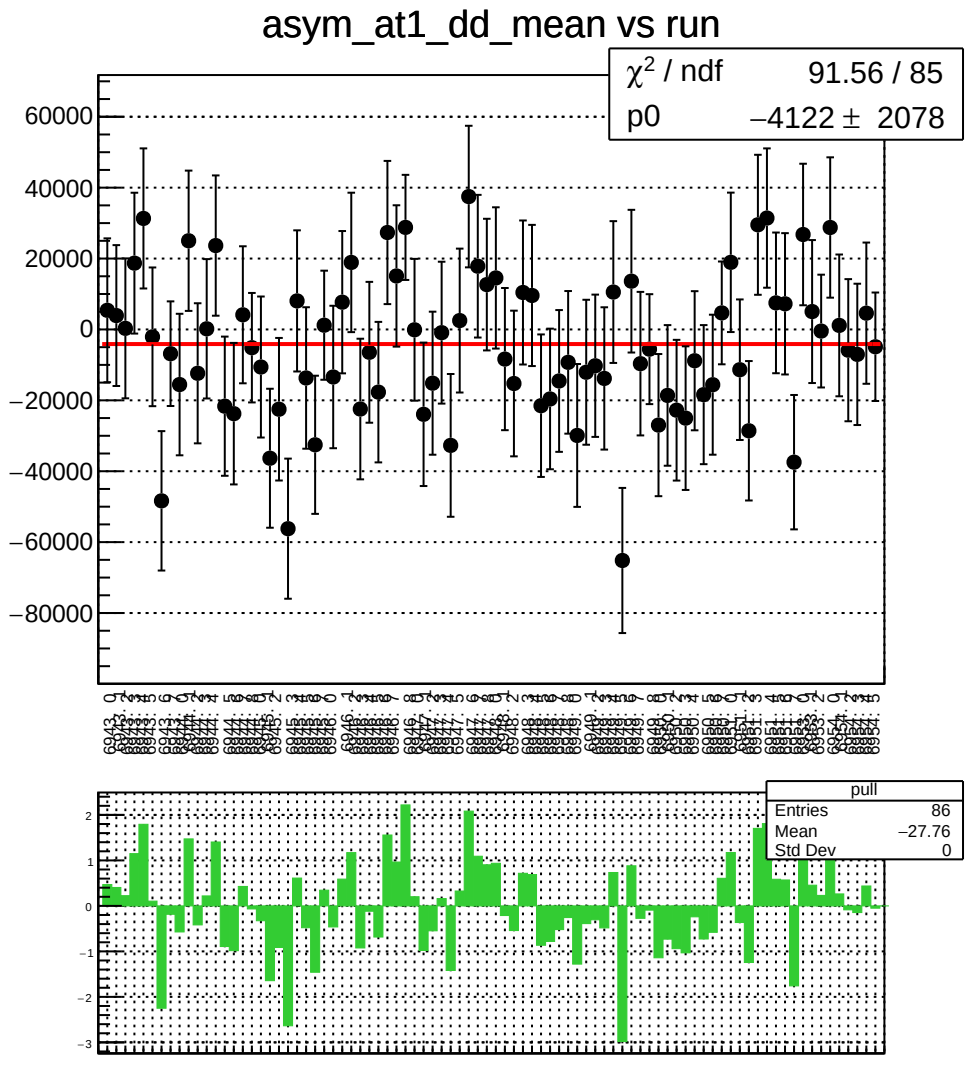

pull1D
Entries 86
Mean −0.01292
Std Dev 1.01

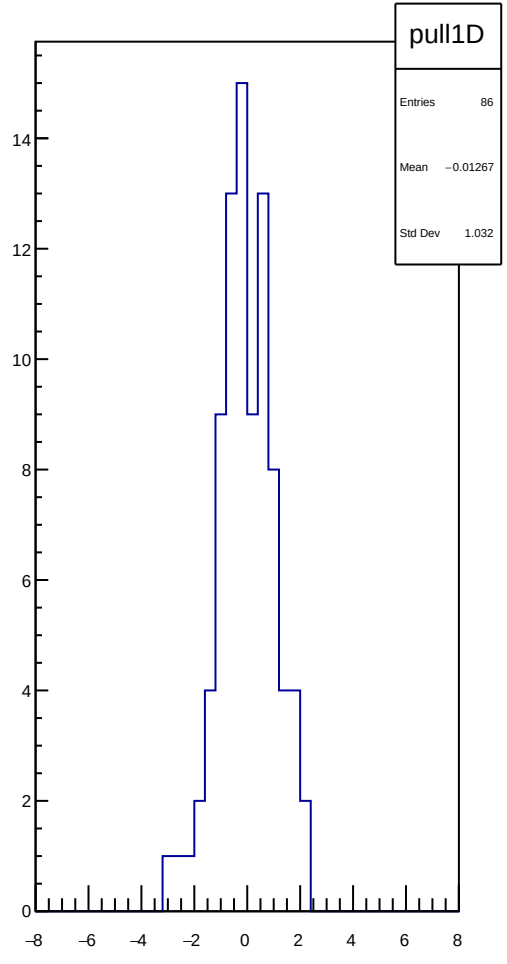

eigen_dit_asym_at1_dd_rms vs run
χ^2 / ndf 82.92 / 85
p0 1805 ± 1.402
1840
1820
1800
1780
1760

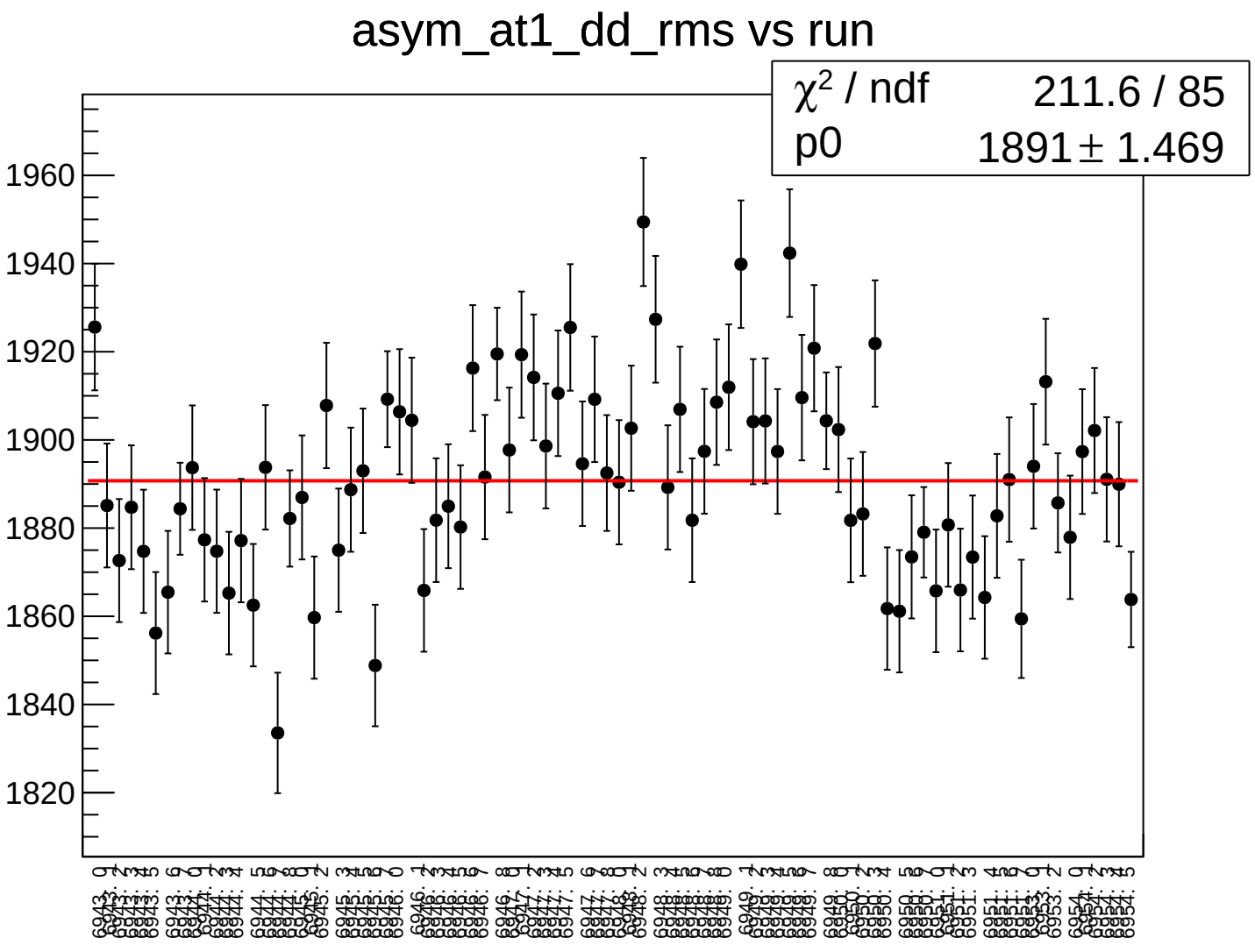

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 86.08 / 85
p0 2232 ± 617
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 39.26
Std Dev 0
2
1
0
−1
−2

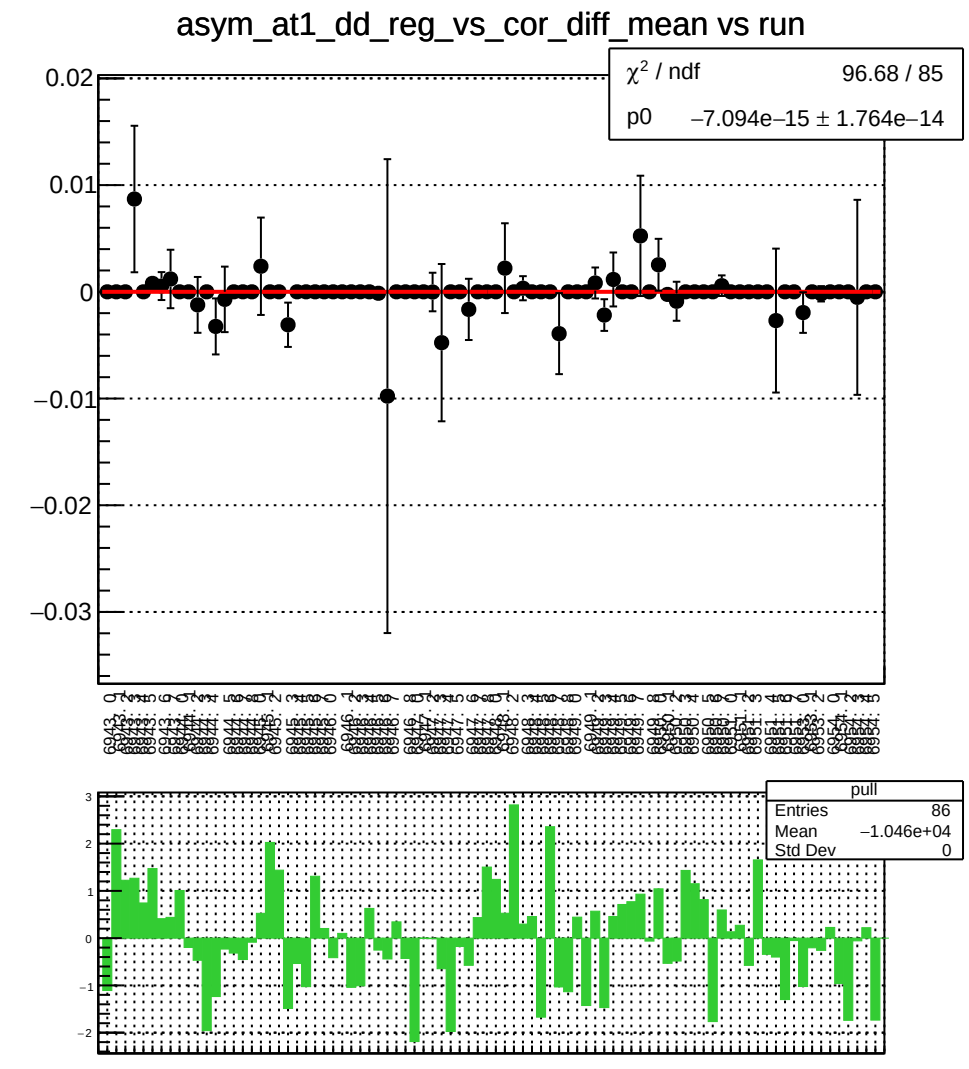

pull1D
Entries 86
Mean 0.007933
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

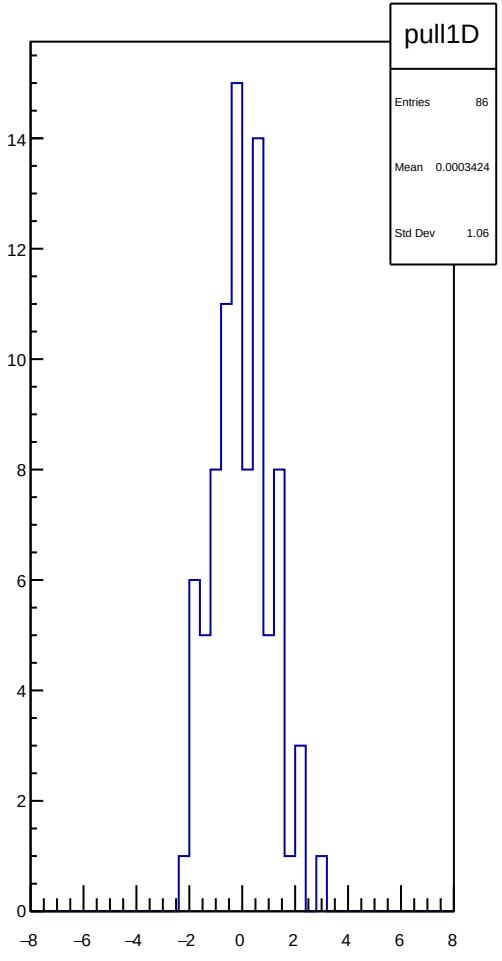

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.593e+04 / 85
p0 558.8 ± 0.4363
700
650
600
550
500
450

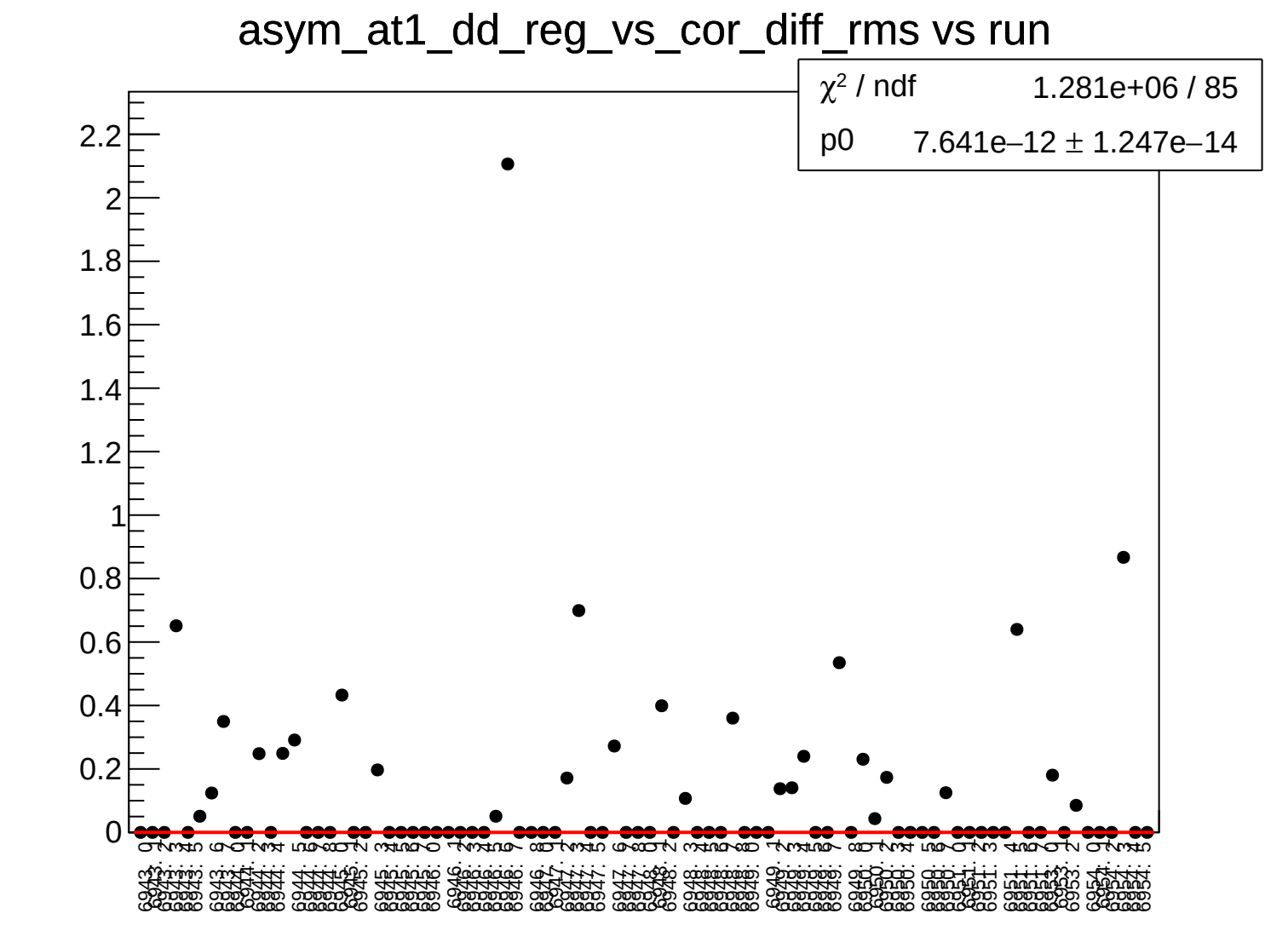

asym_at1_dd_mean vs run
χ² / ndf 91.56 / 85
p0 −4122 ± 2078
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −27.76
Std Dev 0
2
1
0
−1
−2
−3

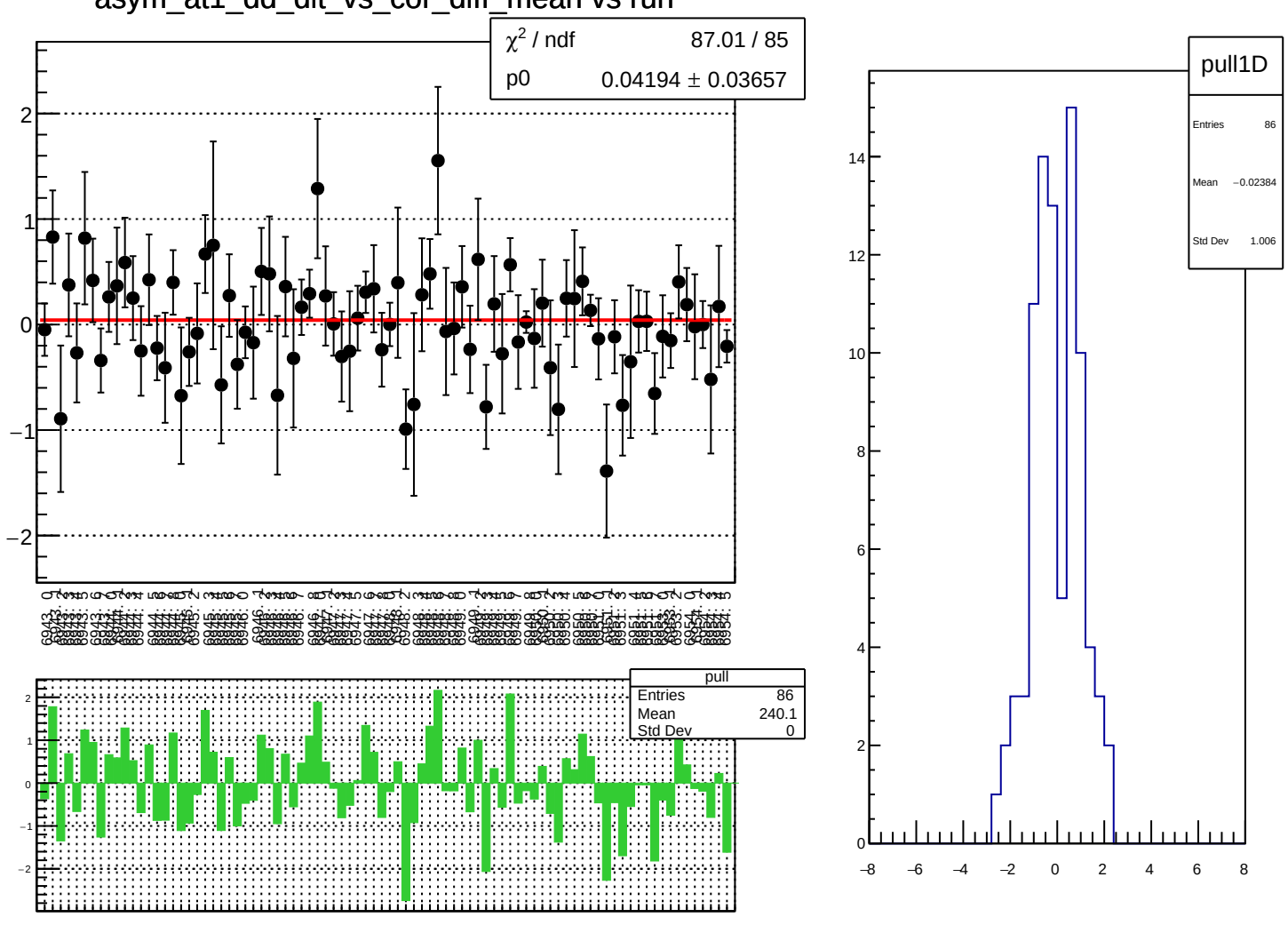

pull1D
Entries 86
Mean −0.01267
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

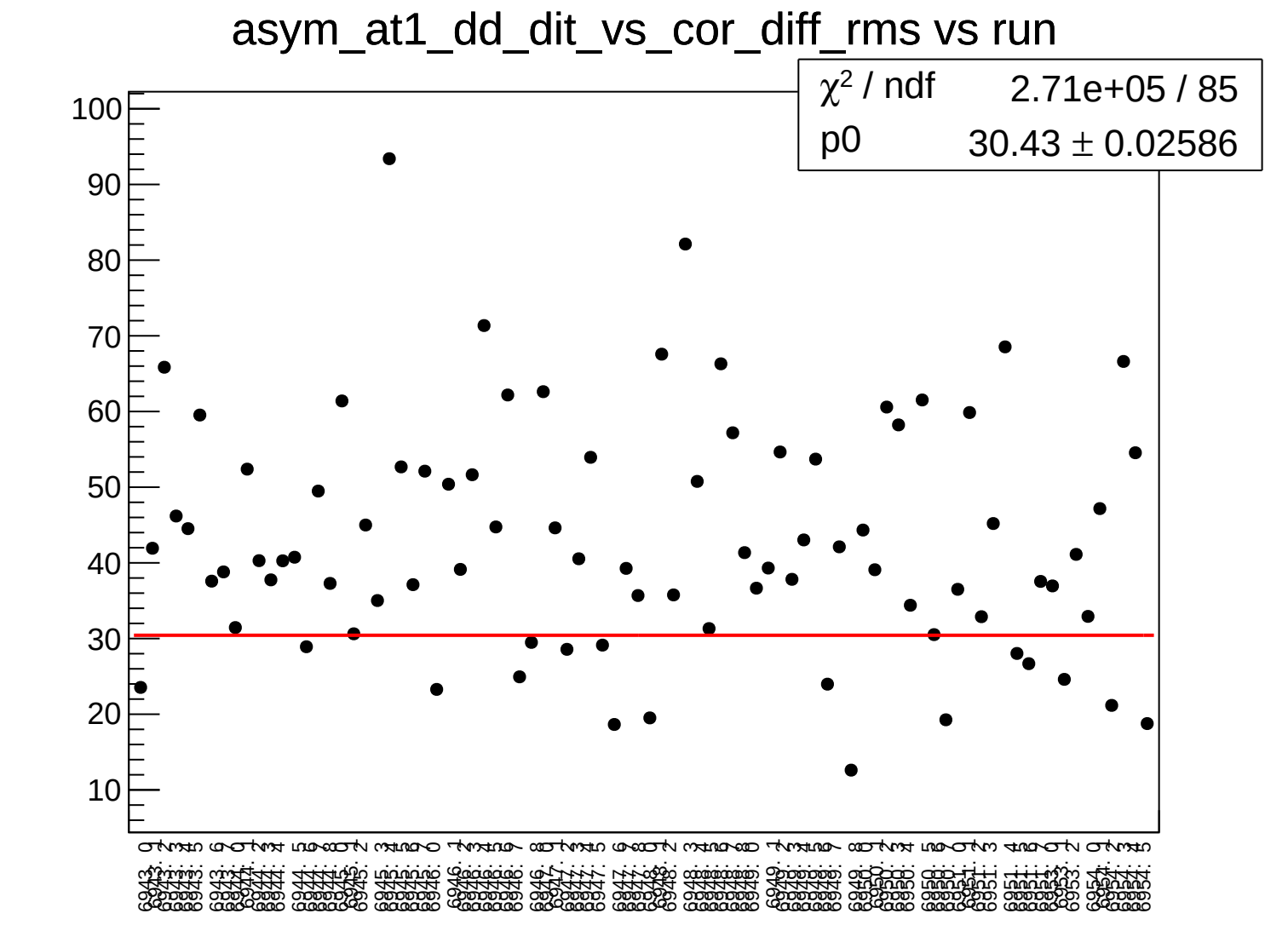

asym_at1_dd_rms vs run
χ² / ndf 211.6 / 85
p0 1891 ± 1.469
1960
1940
1920
1900
1880
1860
1840
1820

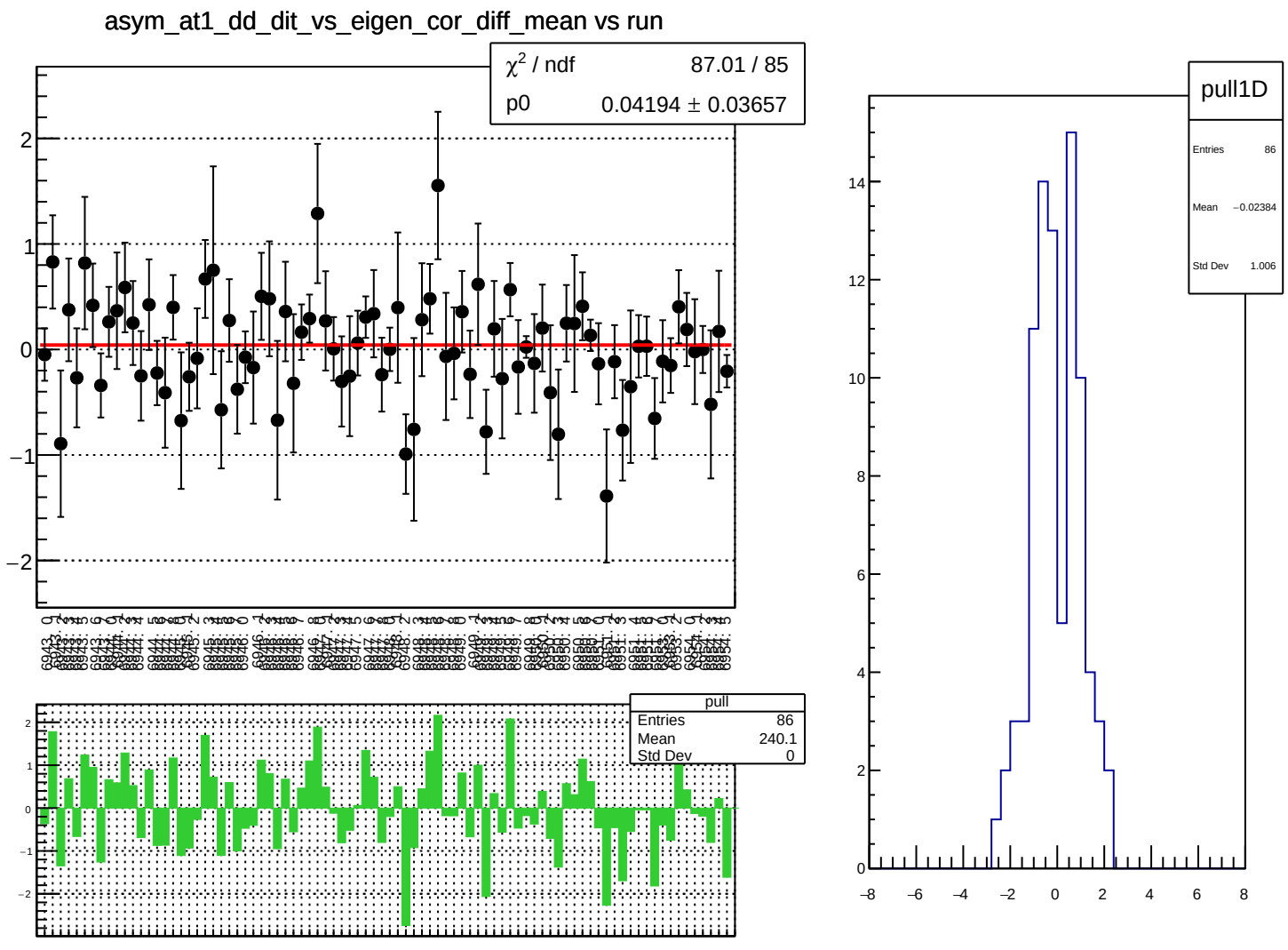

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 96.68 / 85
p0 −7.094e−15 ± 1.764e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 86
Mean −1.046e+04
Std Dev 0
3
2
1
0
−1
−2

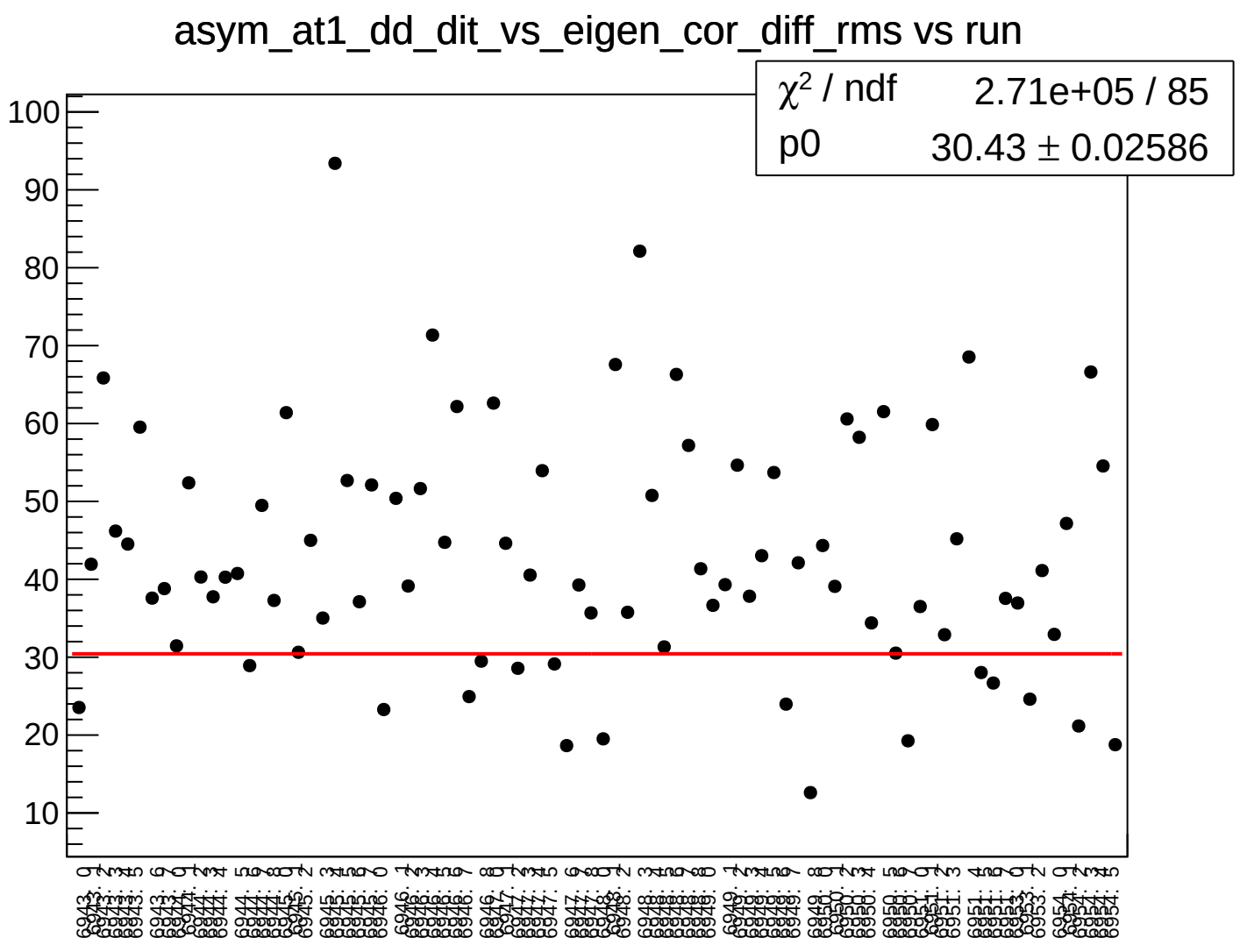

pull1D
Entries 86
Mean 0.0003424
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

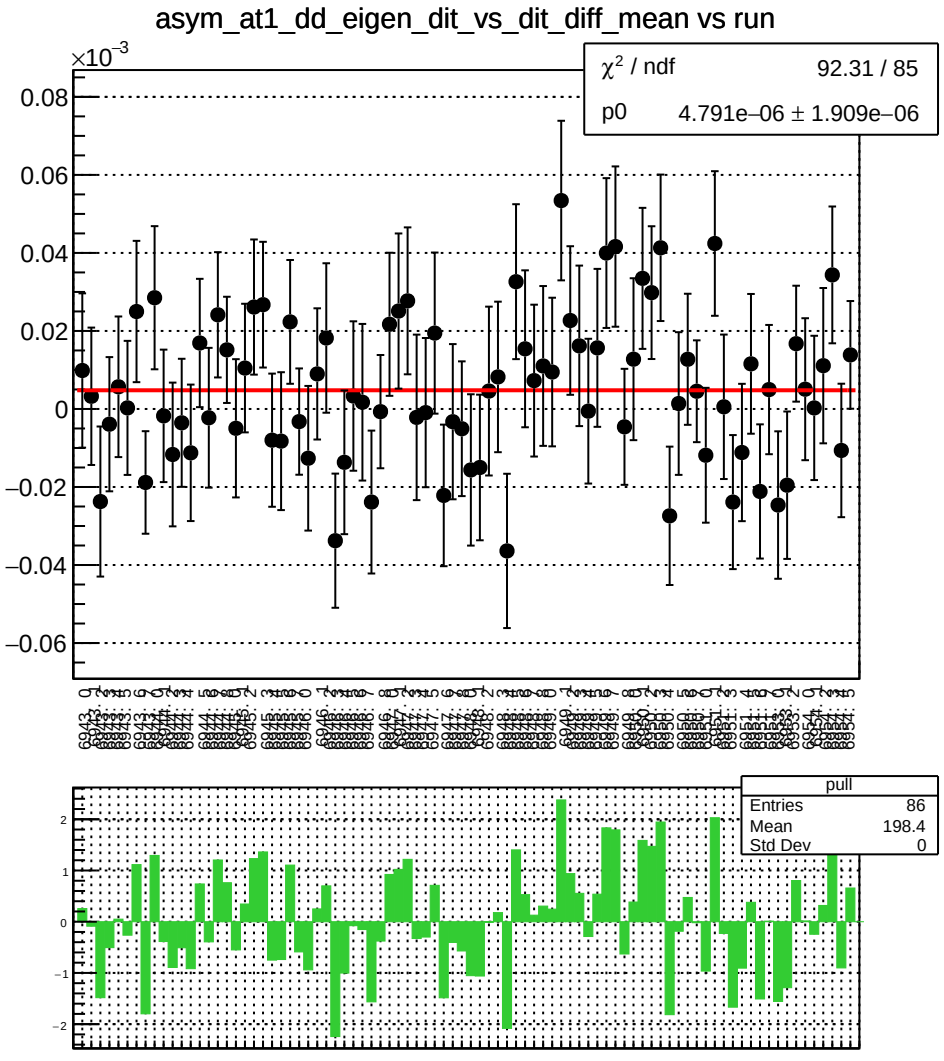

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.281e+06 / 85
p0 7.641e−12 ± 1.247e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

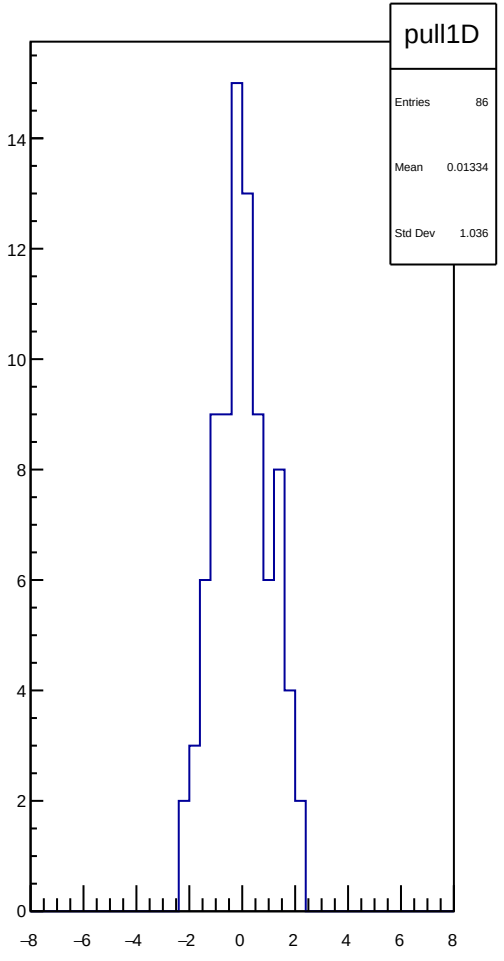

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.01 / 85
p0 0.04194 ± 0.03657
pull
Entries 86
Mean 240.1
Std Dev 0
pull1D
Entries 86
Mean −0.02384
Std Dev 1.006

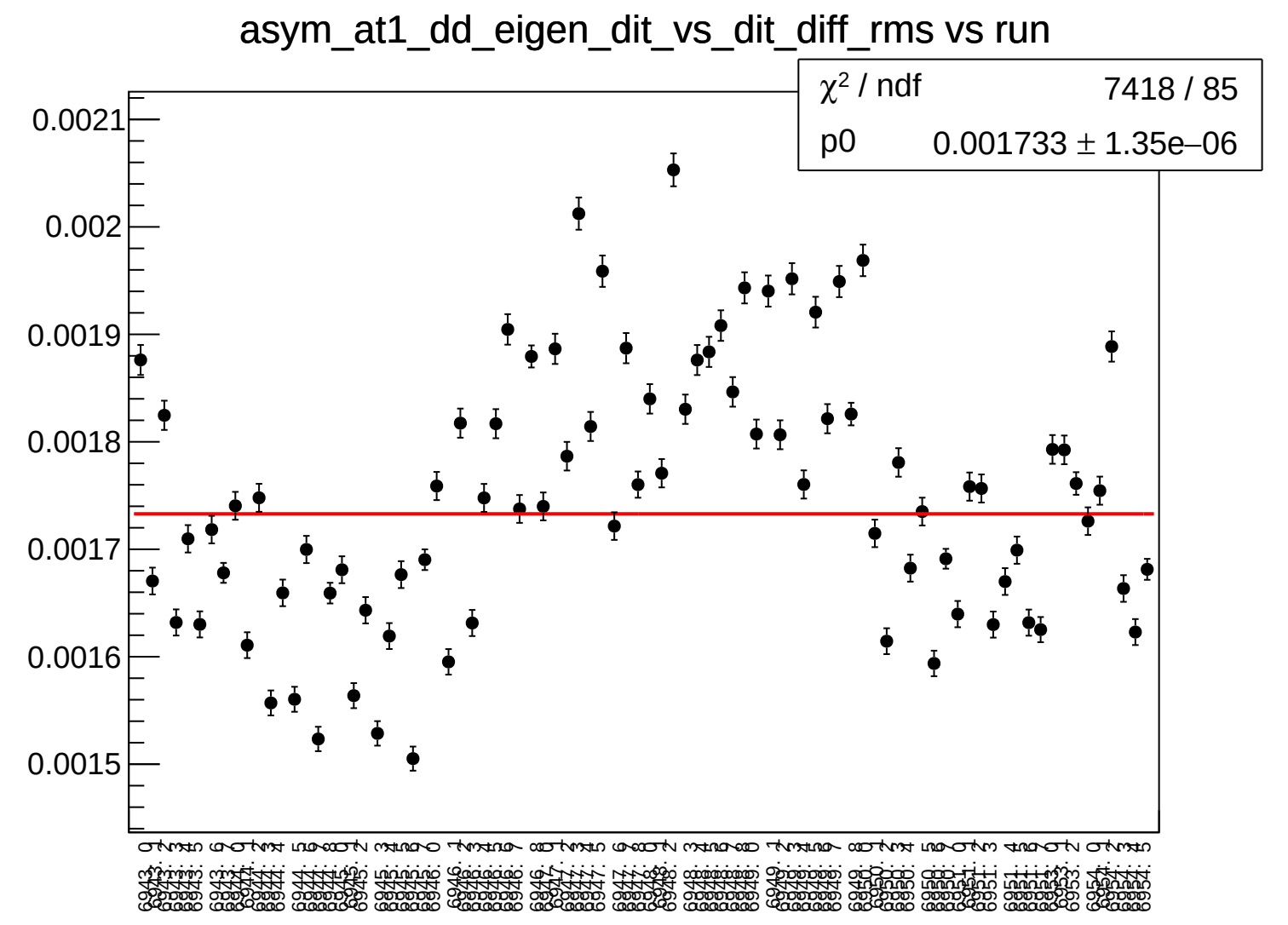

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.71e+05 / 85
p0 30.43 ± 0.02586
100
90
80
70
60
50
40
30
20
10

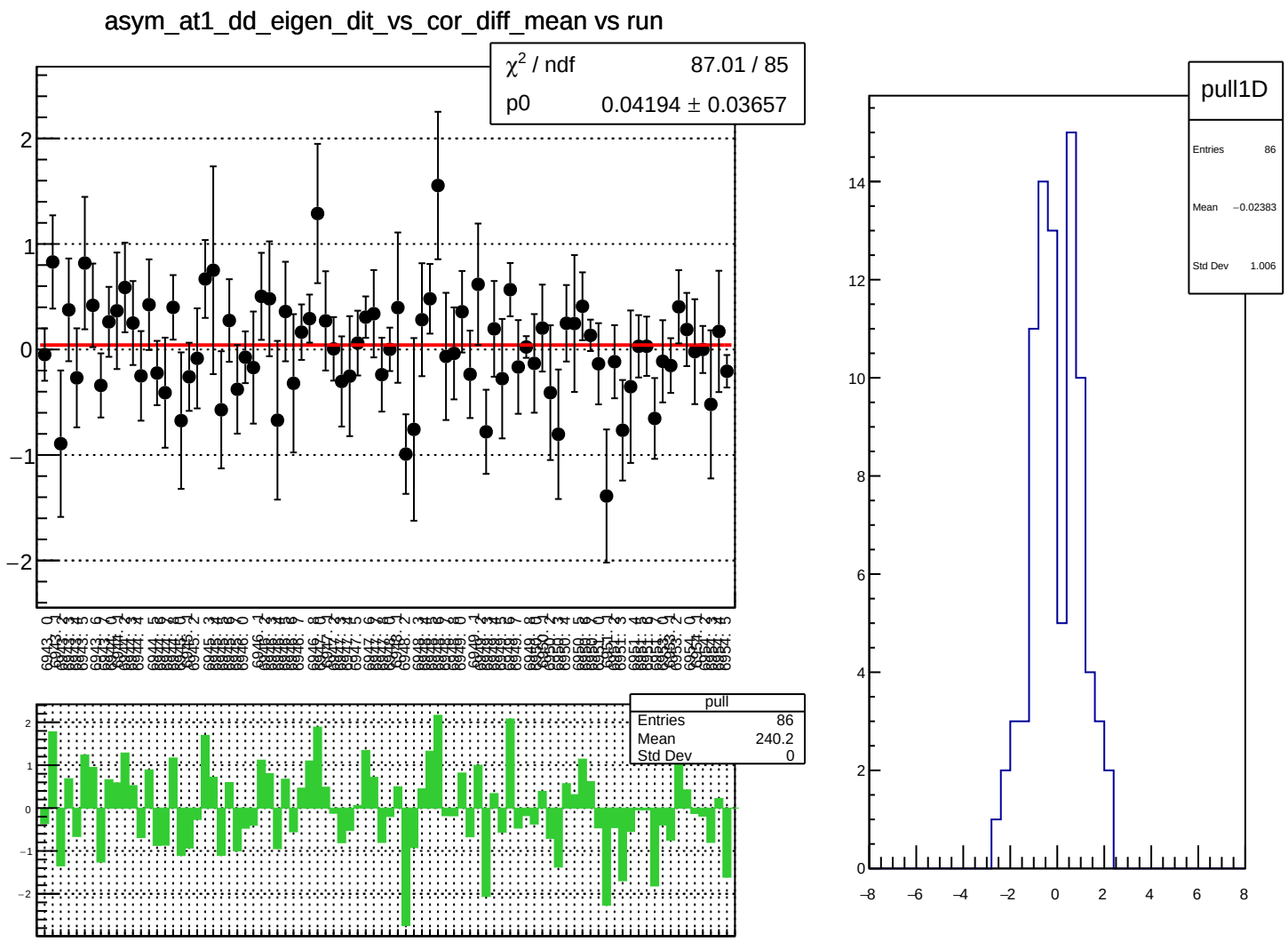

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.01 / 85
p0 0.04194 ± 0.03657
pull
Entries 86
Mean 240.1
Std Dev 0
pull1D
Entries 86
Mean −0.02384
Std Dev 1.006

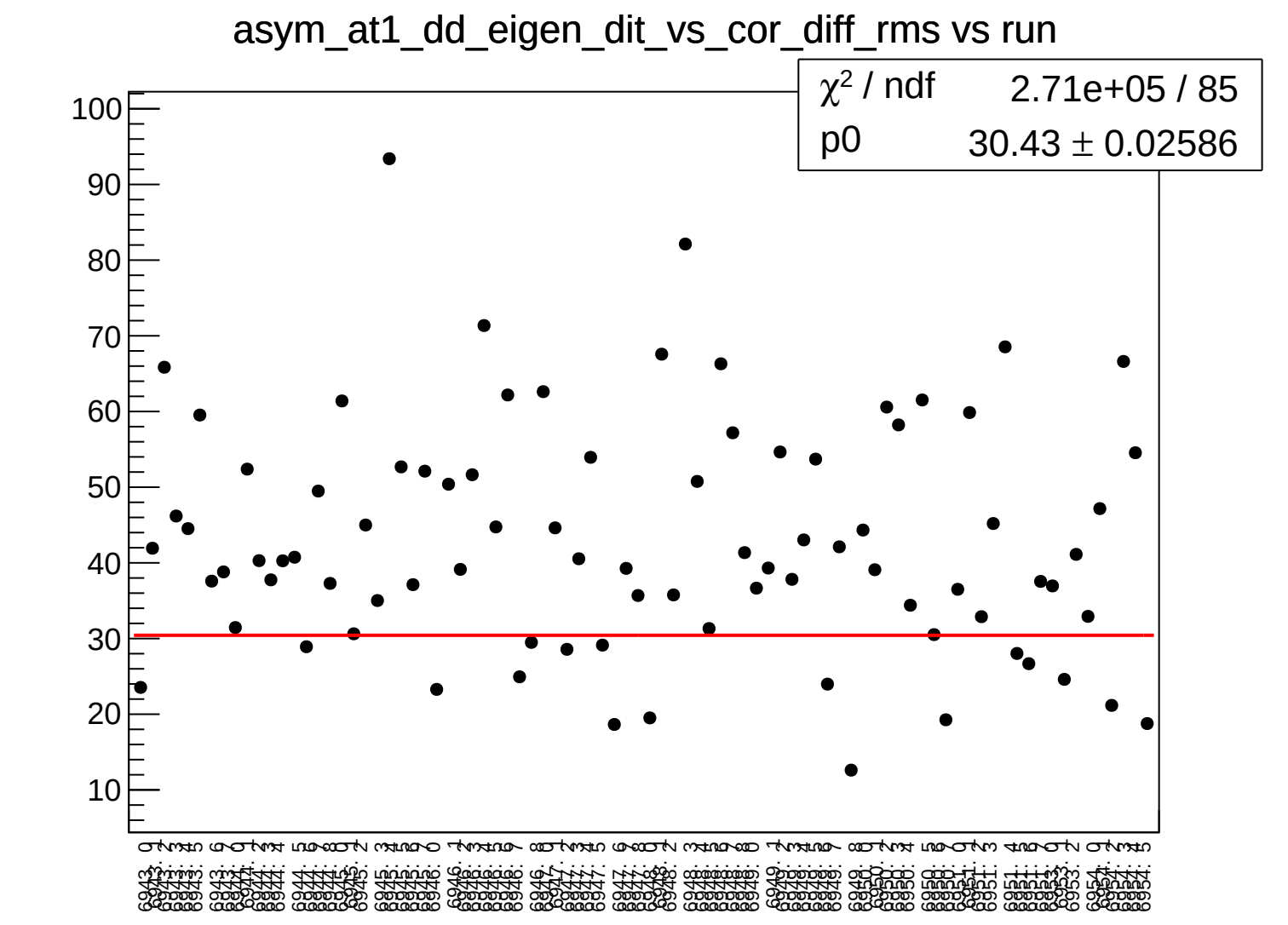

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.71e+05 / 85
p0 30.43 ± 0.02586
100
90
80
70
60
50
40
30
20
10


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.31 / 85
p0 4.791e−06 ± 1.909e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 198.4
Std Dev 0
2
1
0
−1
−2

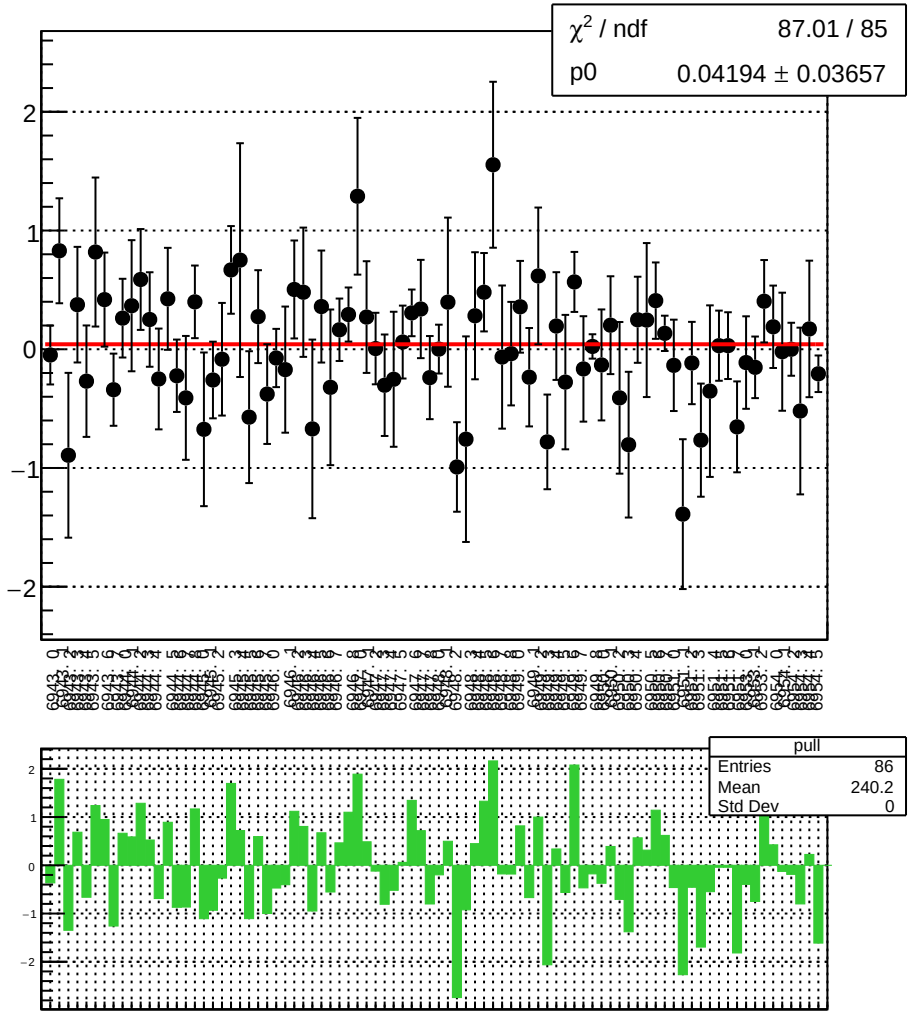

pull1D
Entries 86
Mean 0.01334
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

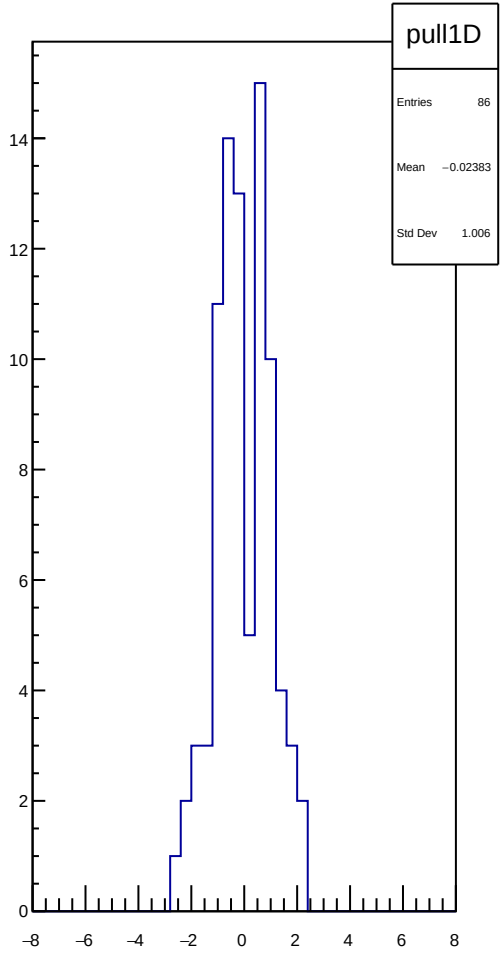

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7418 / 85
p0 0.001733 ± 1.35e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

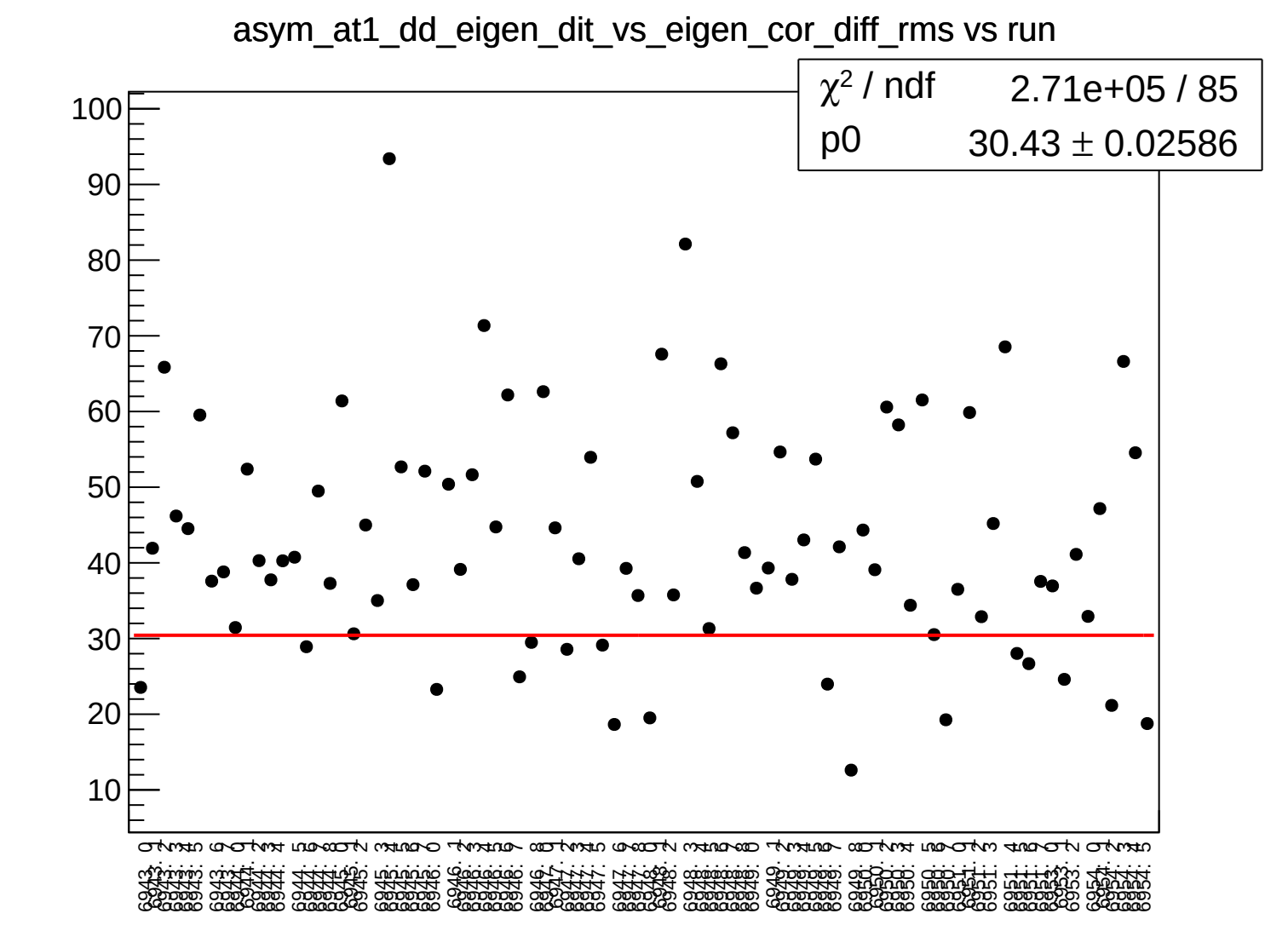

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.01 / 85
p0 0.04194 ± 0.03657
pull
Entries 86
Mean 240.2
Std Dev 0
pull1D
Entries 86
Mean −0.02383
Std Dev 1.006

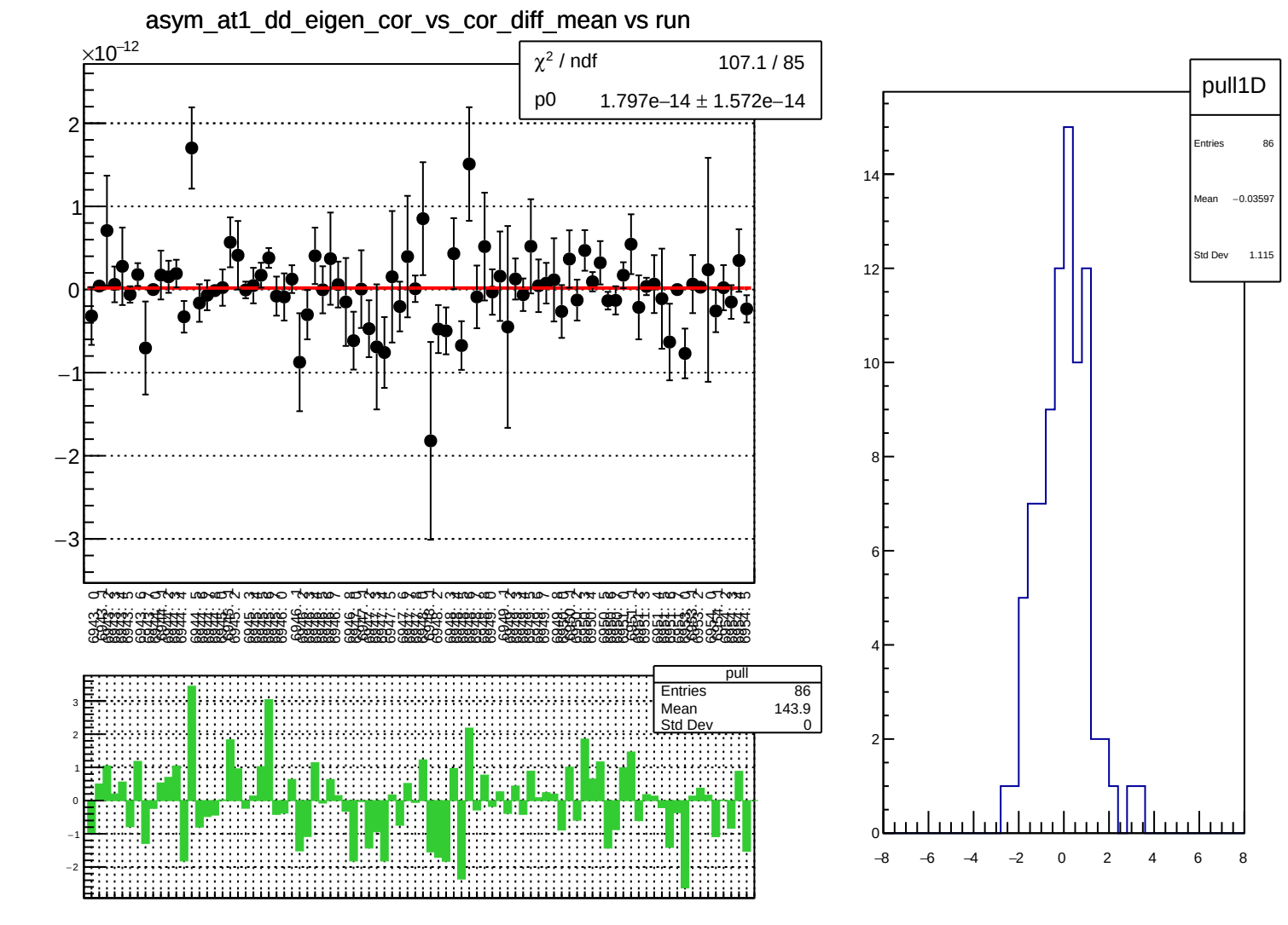

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.71e+05 / 85
p0 30.43 ± 0.02586
100
90
80
70
60
50
40
30
20
10

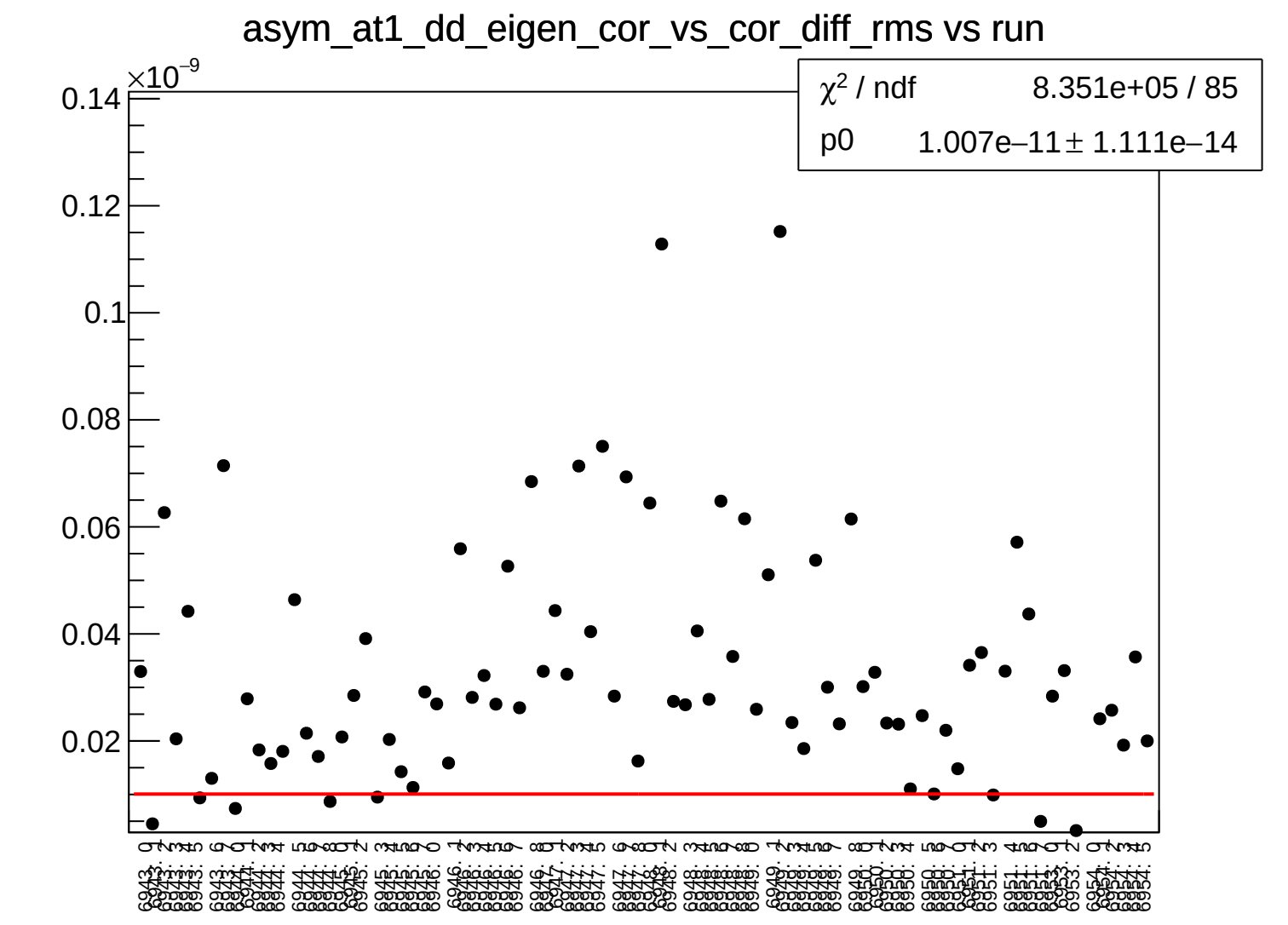
asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

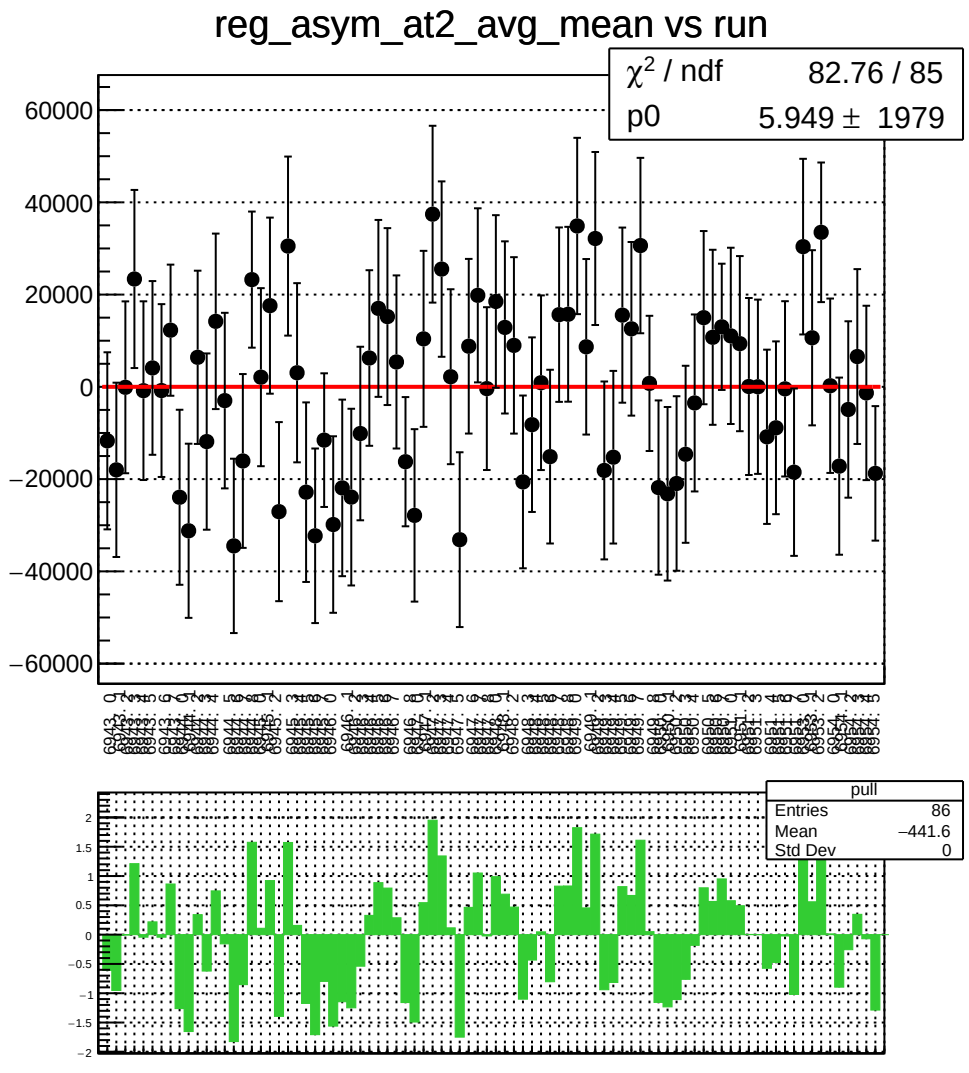


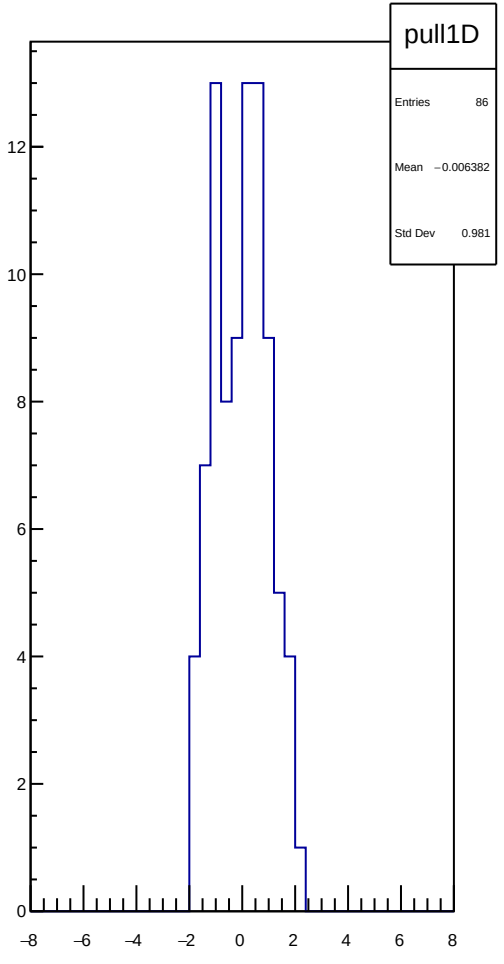


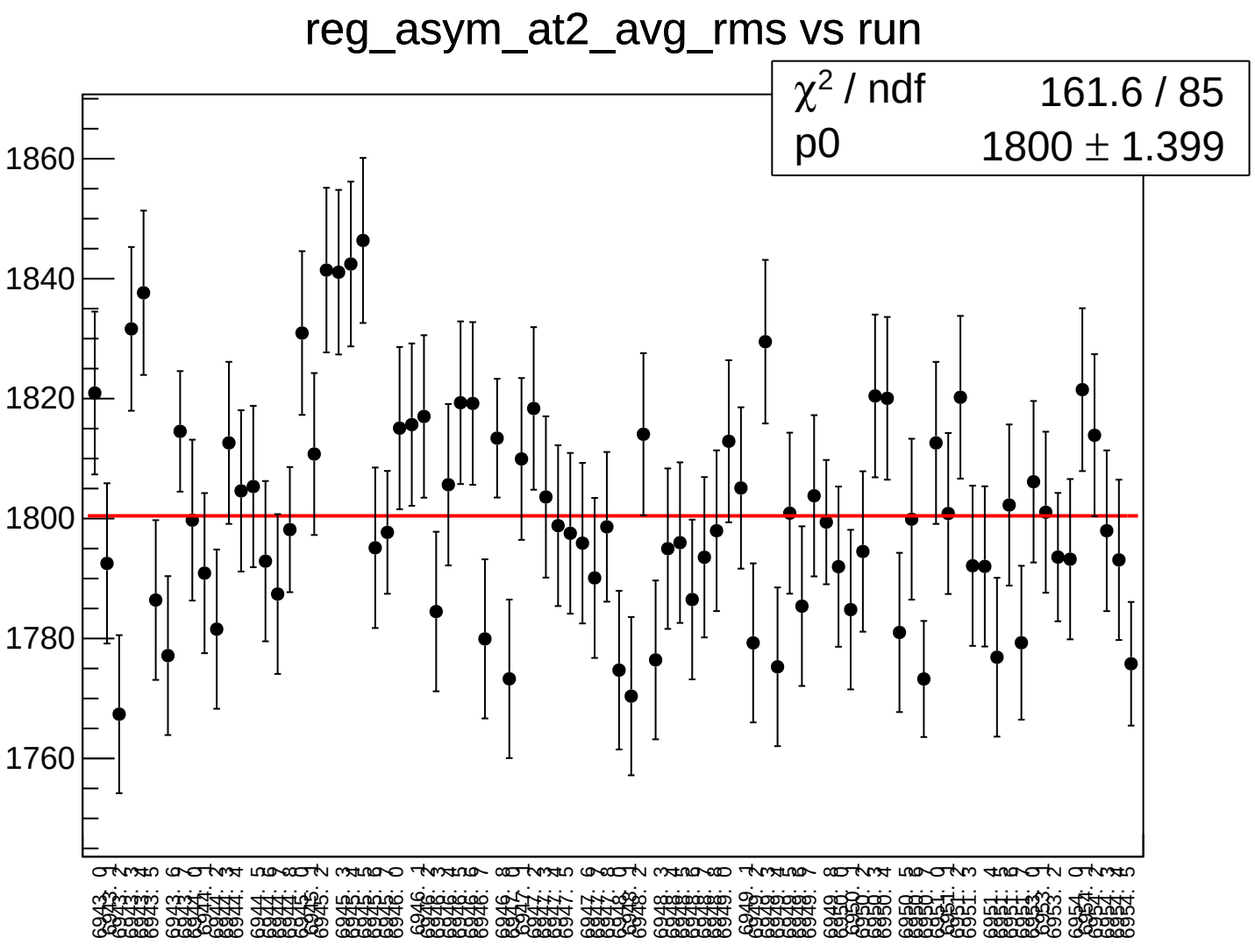

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.71e+05 / 85
p0 30.43 ± 0.02586
100
90
80
70
60
50
40
30
20
10

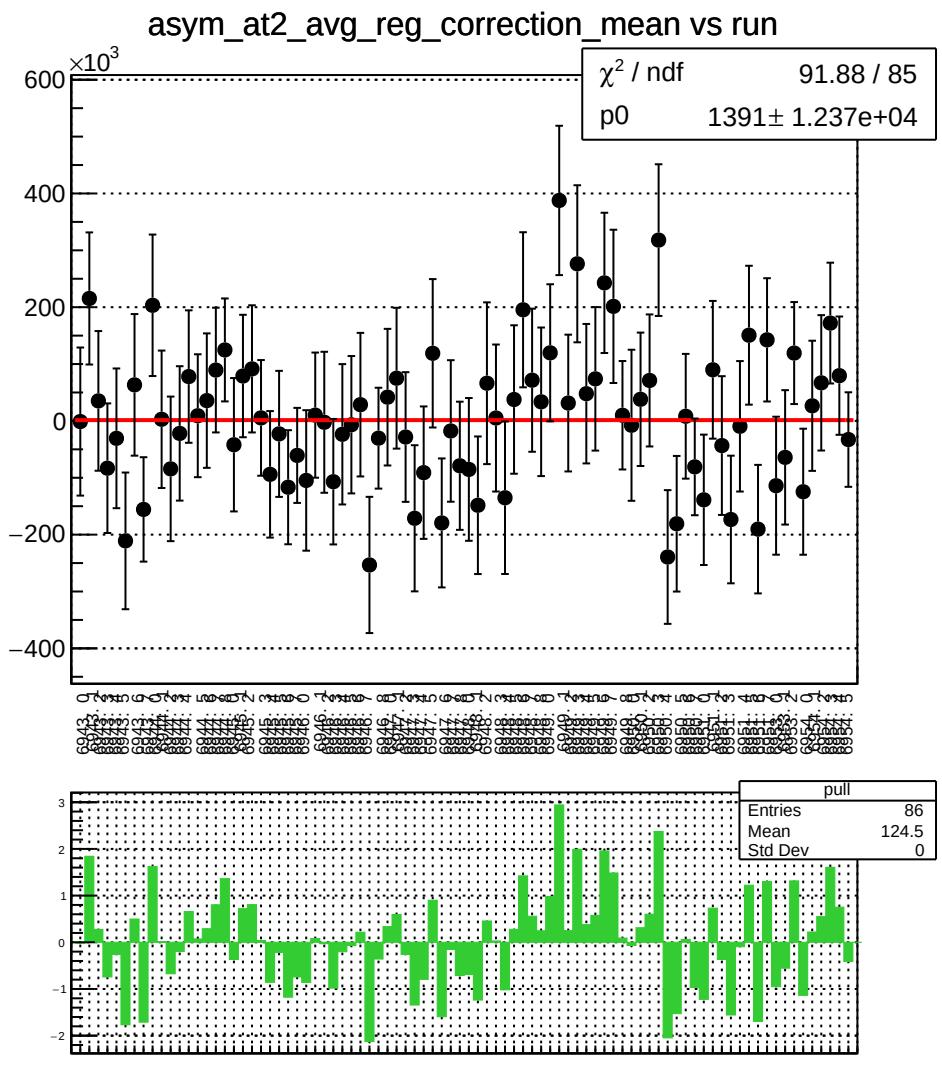

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107.1 / 85
p0 1.797e−14 ± 1.572e−14
pull
Entries 86
Mean 143.9
Std Dev 0
pull1D
Entries 86
Mean −0.03597
Std Dev 1.115

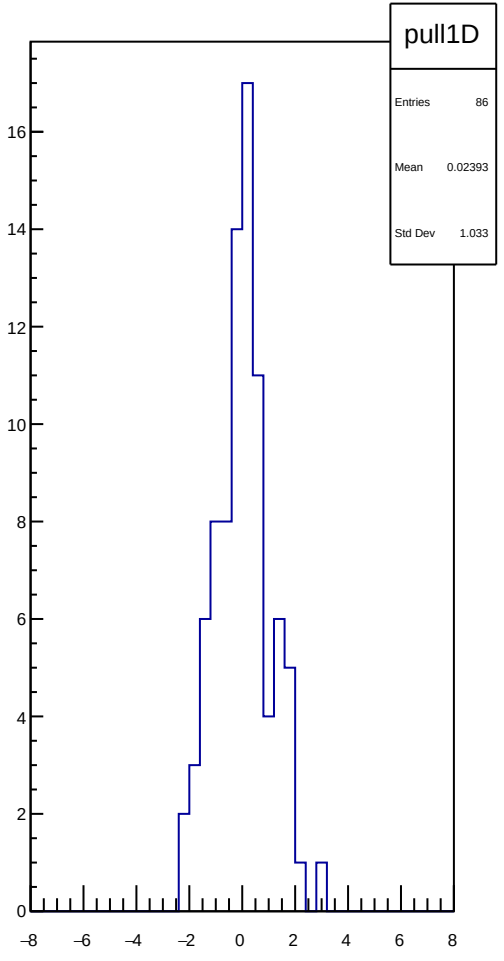

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 8.351e+05 / 85
p0 1.007e−11 ± 1.111e−14

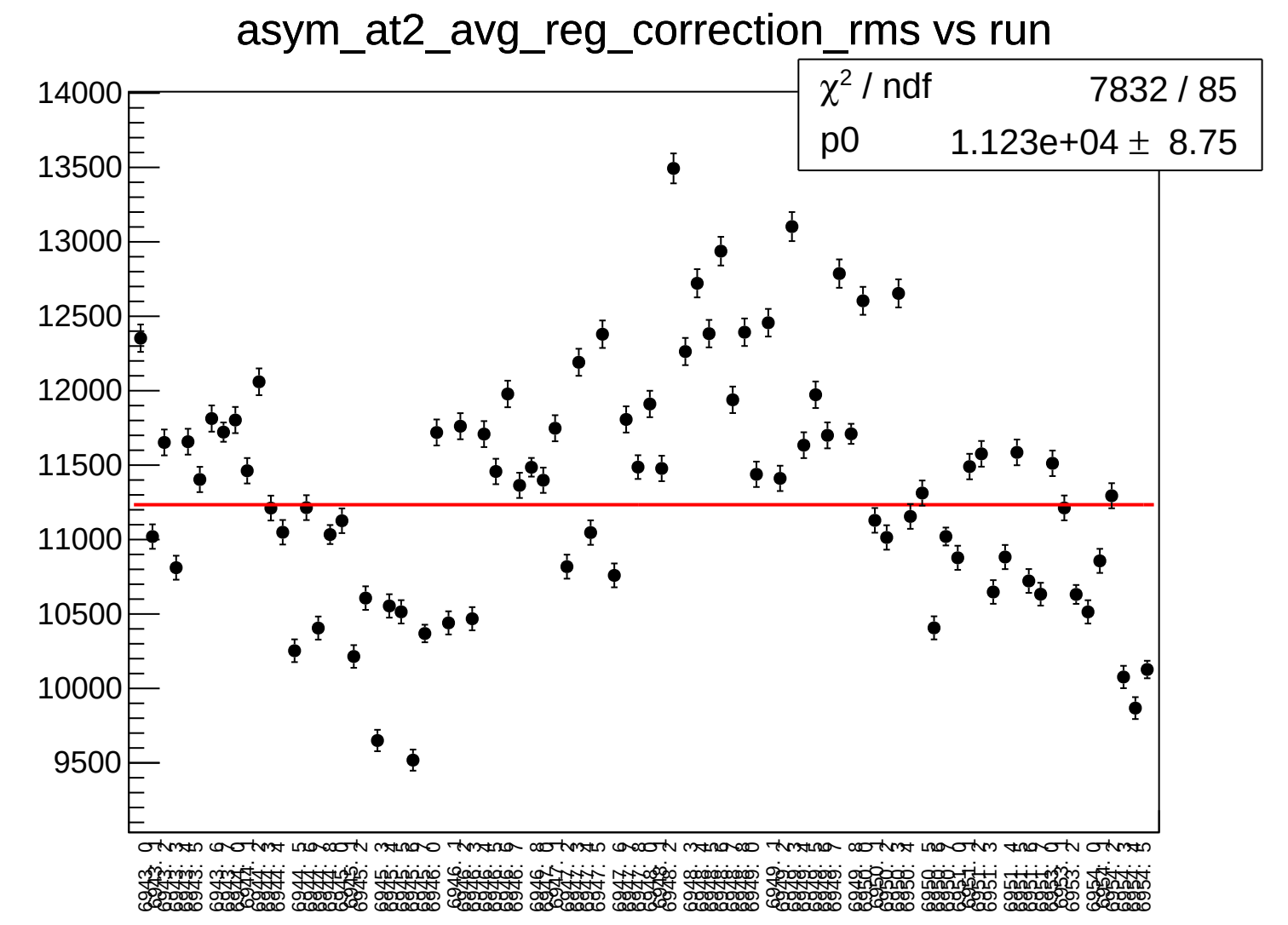

reg_asym_at2_avg_mean vs run
χ² / ndf 82.76 / 85
p0 5.949 ± 1979
pull
Entries 86
Mean −441.6
Std Dev 0

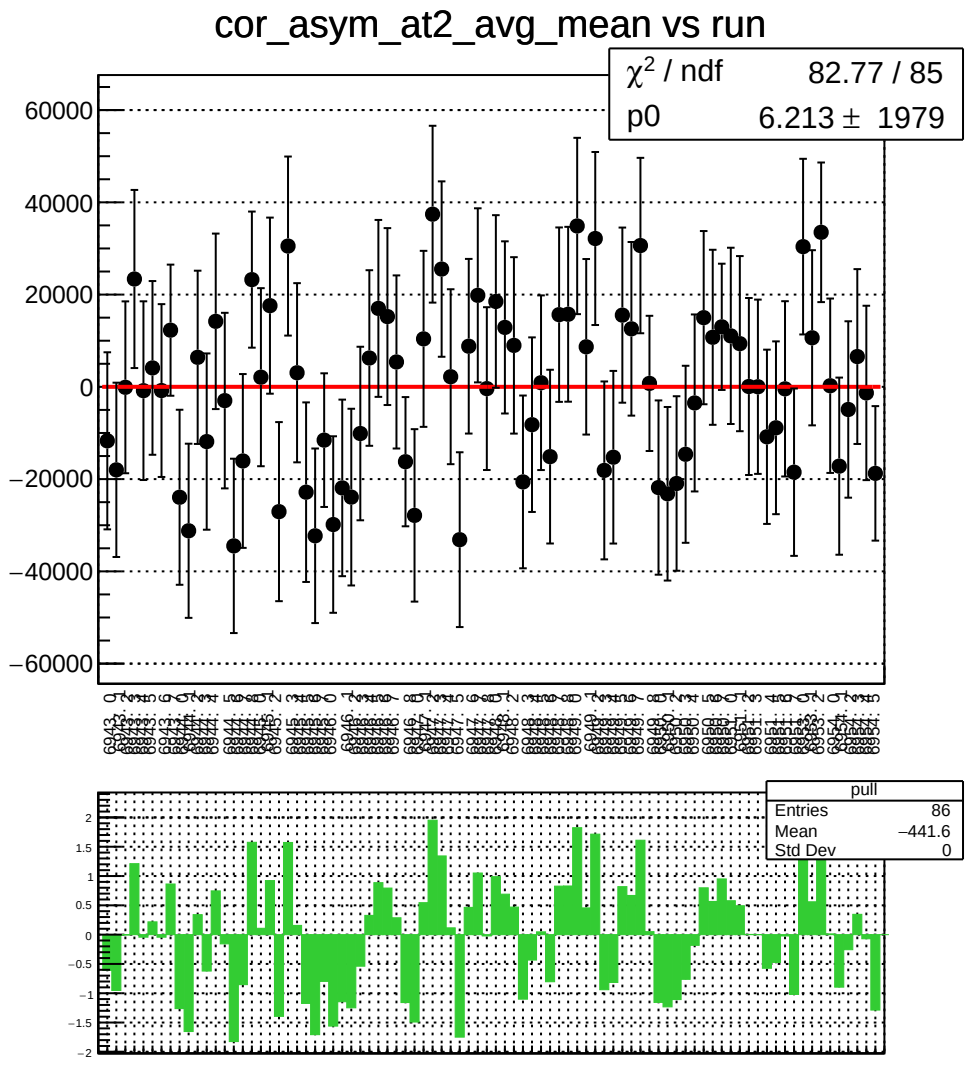

pull1D
Entries 86
Mean −0.006382
Std Dev 0.981

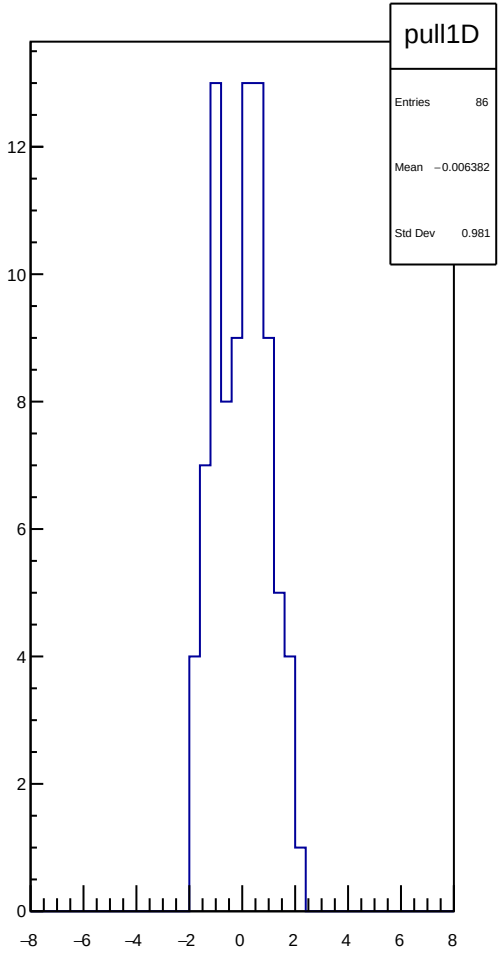

reg_asym_at2_avg_rms vs run
χ^2 / ndf 161.6 / 85
p0 1800 ± 1.399
1860
1840
1820
1800
1780
1760

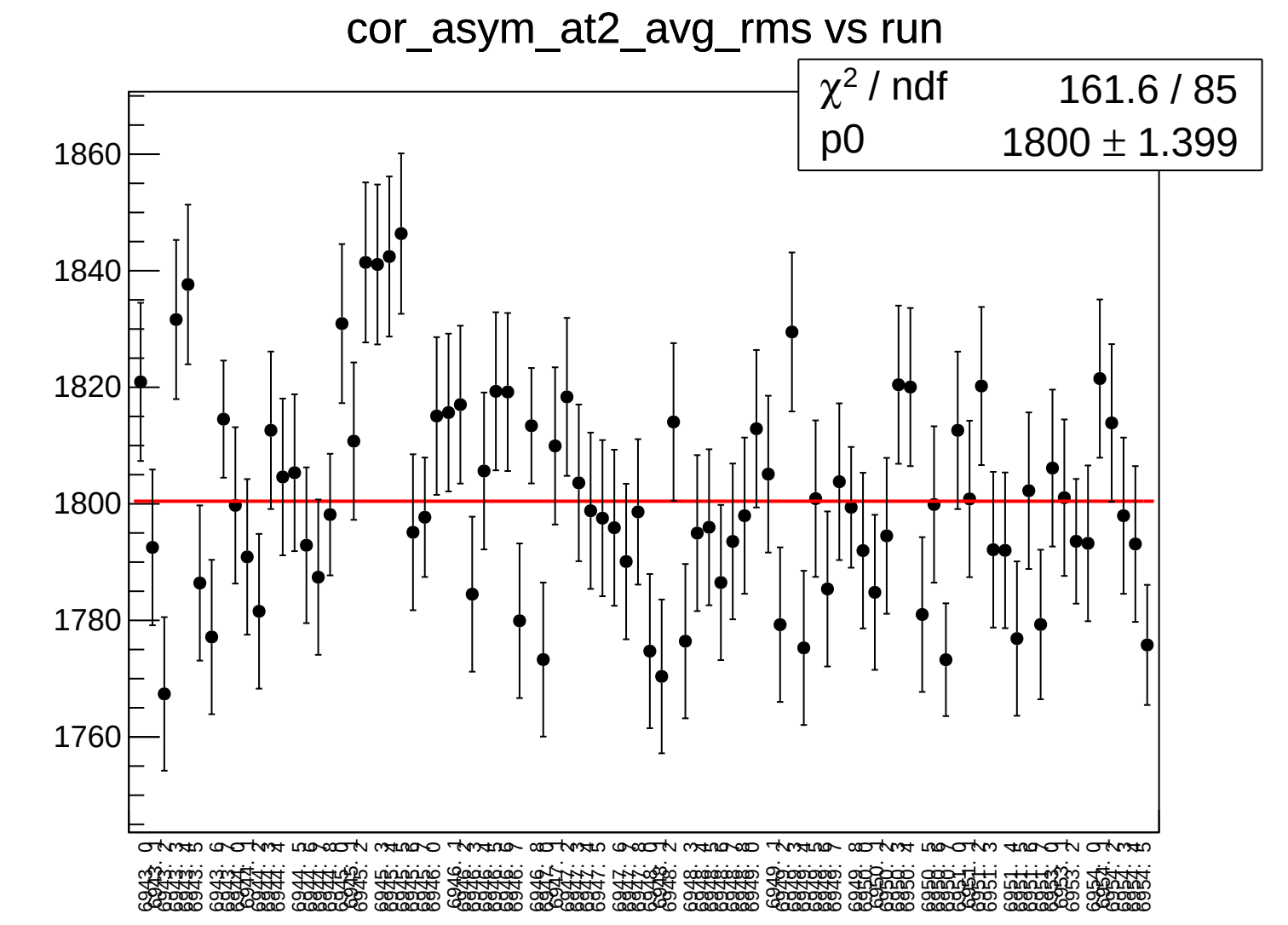

asym_at2_avg_reg_correction_mean vs run
χ^2 / ndf 91.88 / 85
p0 1391± 1.237e+04
×10^3
600
400
200
0
−200
−400
pull
Entries 86
Mean 124.5
Std Dev 0
3
2
1
0
−1
−2

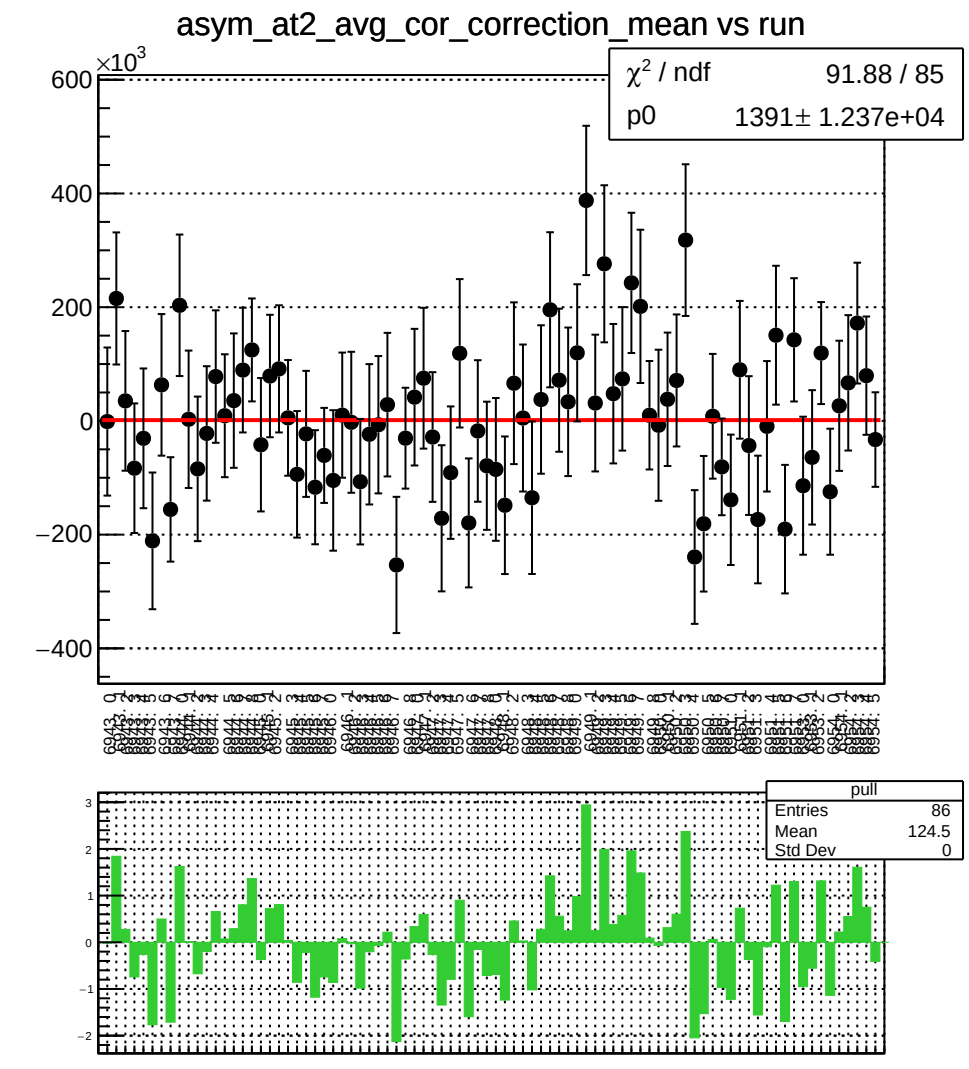

pull1D
Entries 86
Mean 0.02393
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

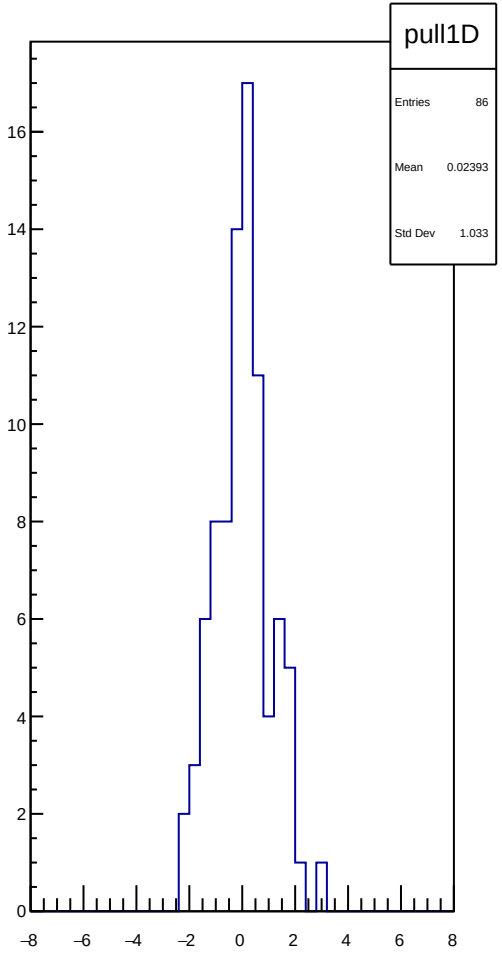

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 7832 / 85
p0 1.123e+04 ± 8.75
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

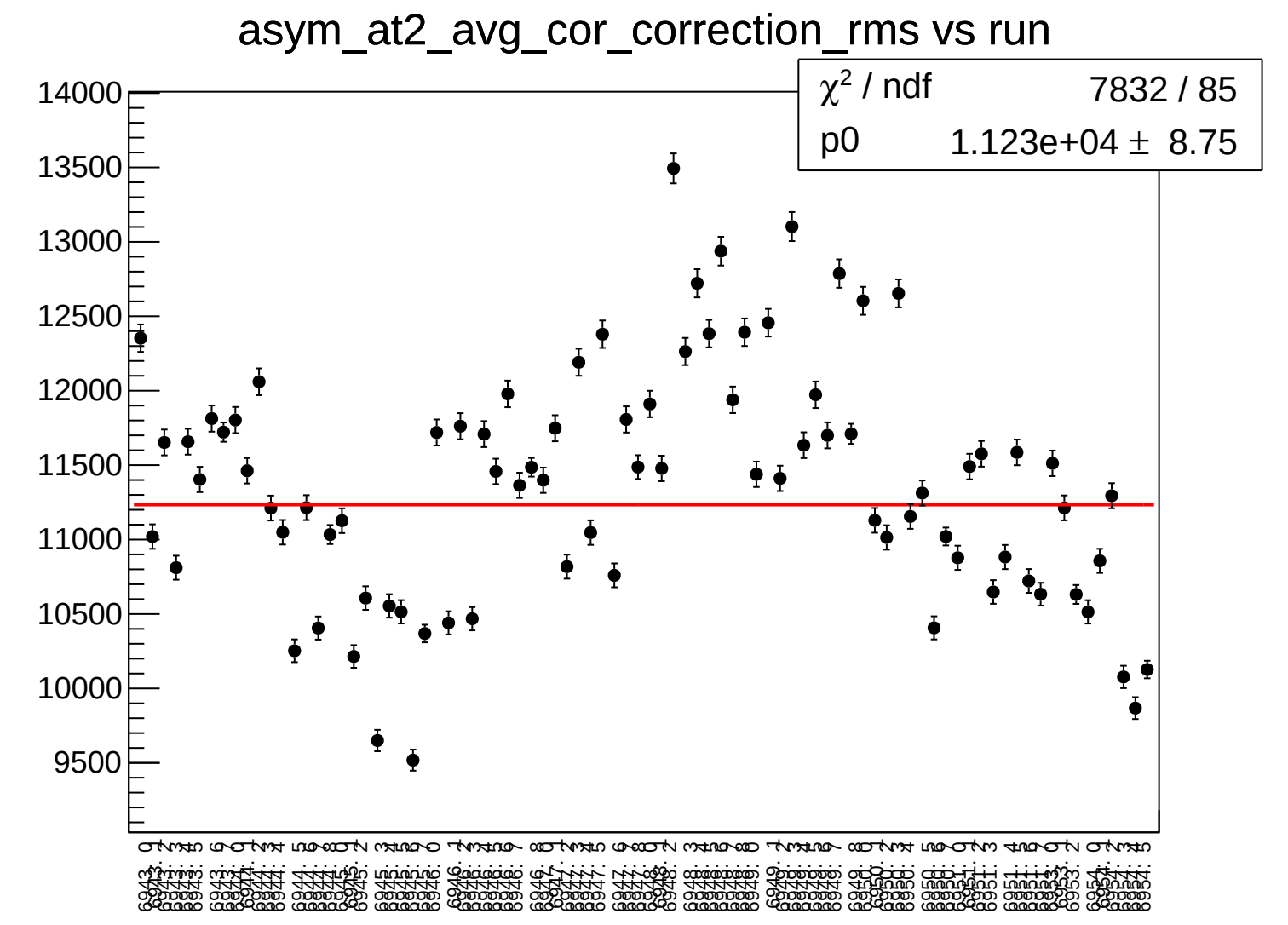

cor_asym_at2_avg_mean vs run
χ² / ndf 82.77 / 85
p0 6.213 ± 1979
pull
Entries 86
Mean −441.6
Std Dev 0

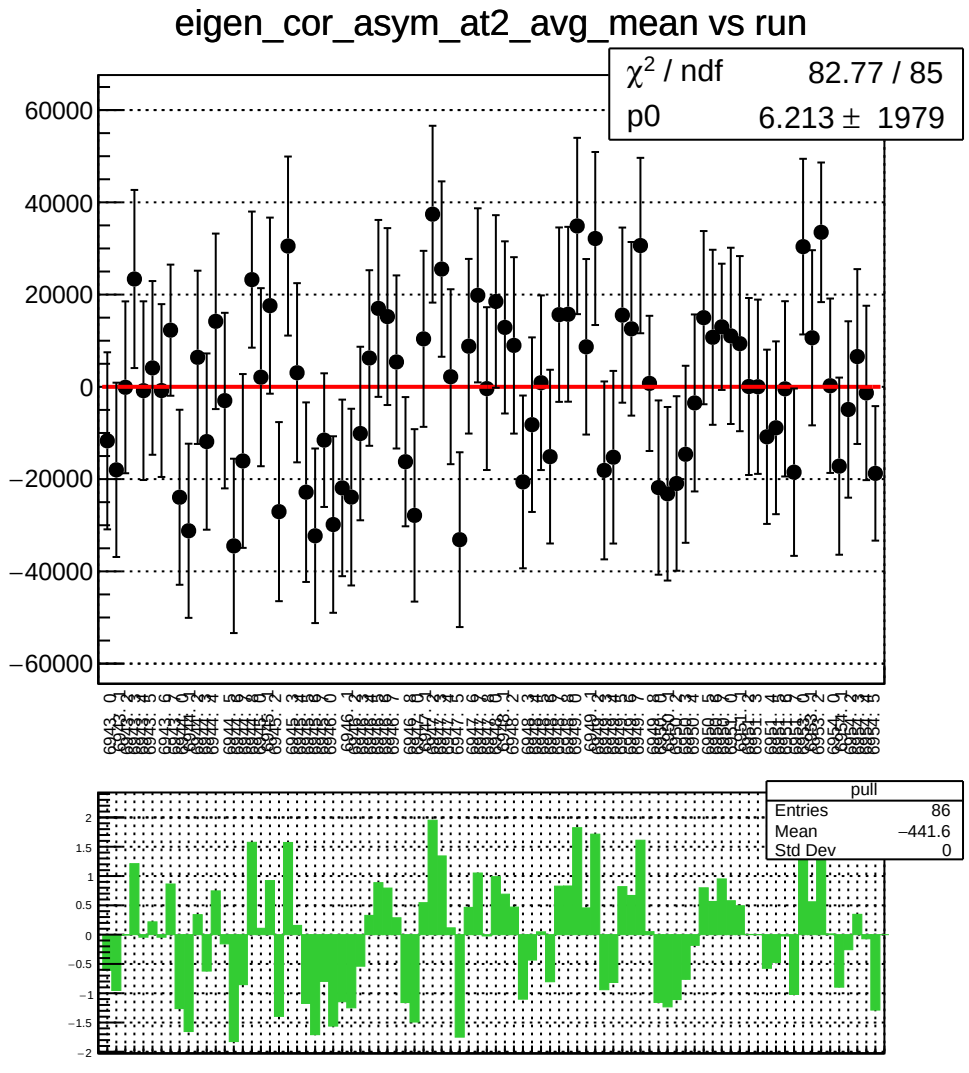

pull1D
Entries 86
Mean −0.006382
Std Dev 0.981

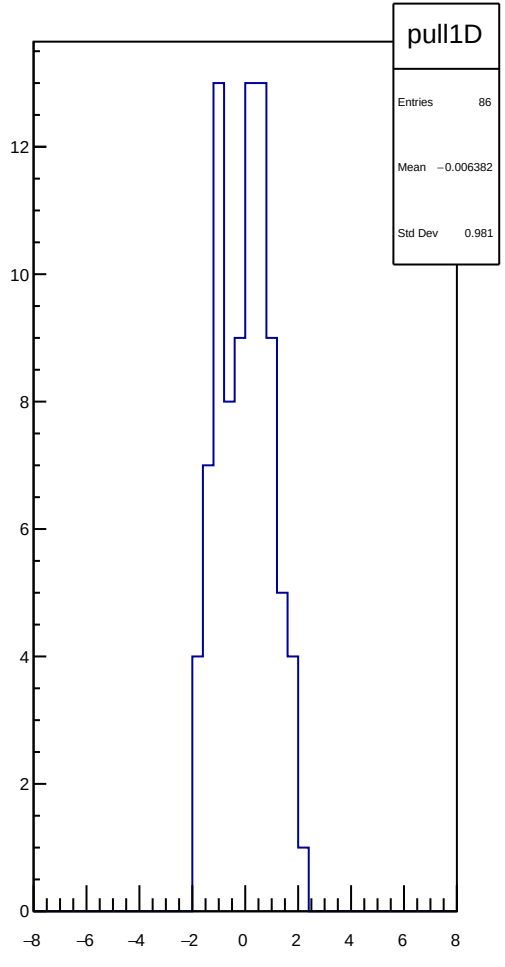

cor_asym_at2_avg_rms vs run
χ^2 / ndf 161.6 / 85
p0 1800 ± 1.399
1860
1840
1820
1800
1780
1760

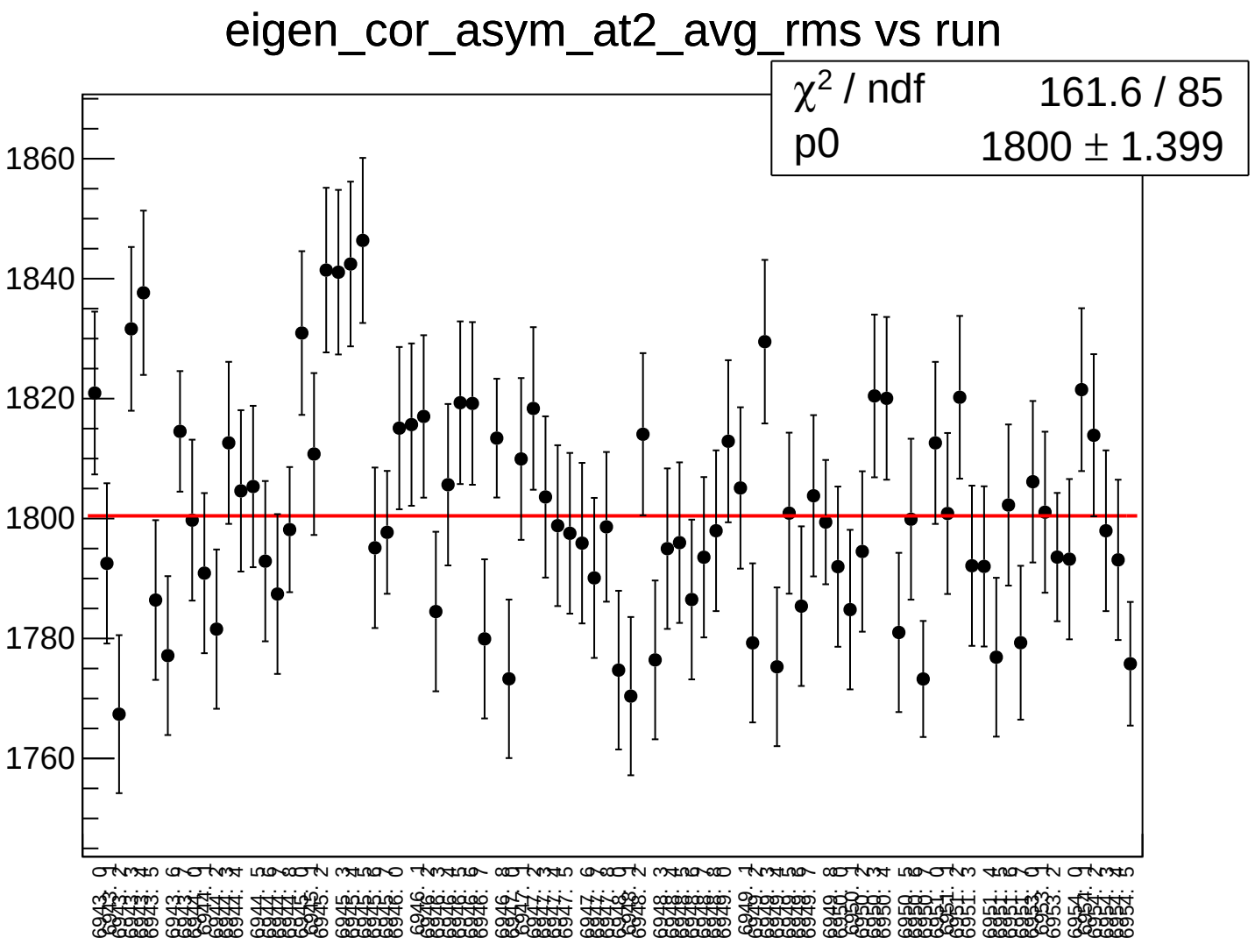

asym_at2_avg_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.88 / 85
p0 1391± 1.237e+04
pull
Entries 86
Mean 124.5
Std Dev 0
3
2
1
0
−1
−2

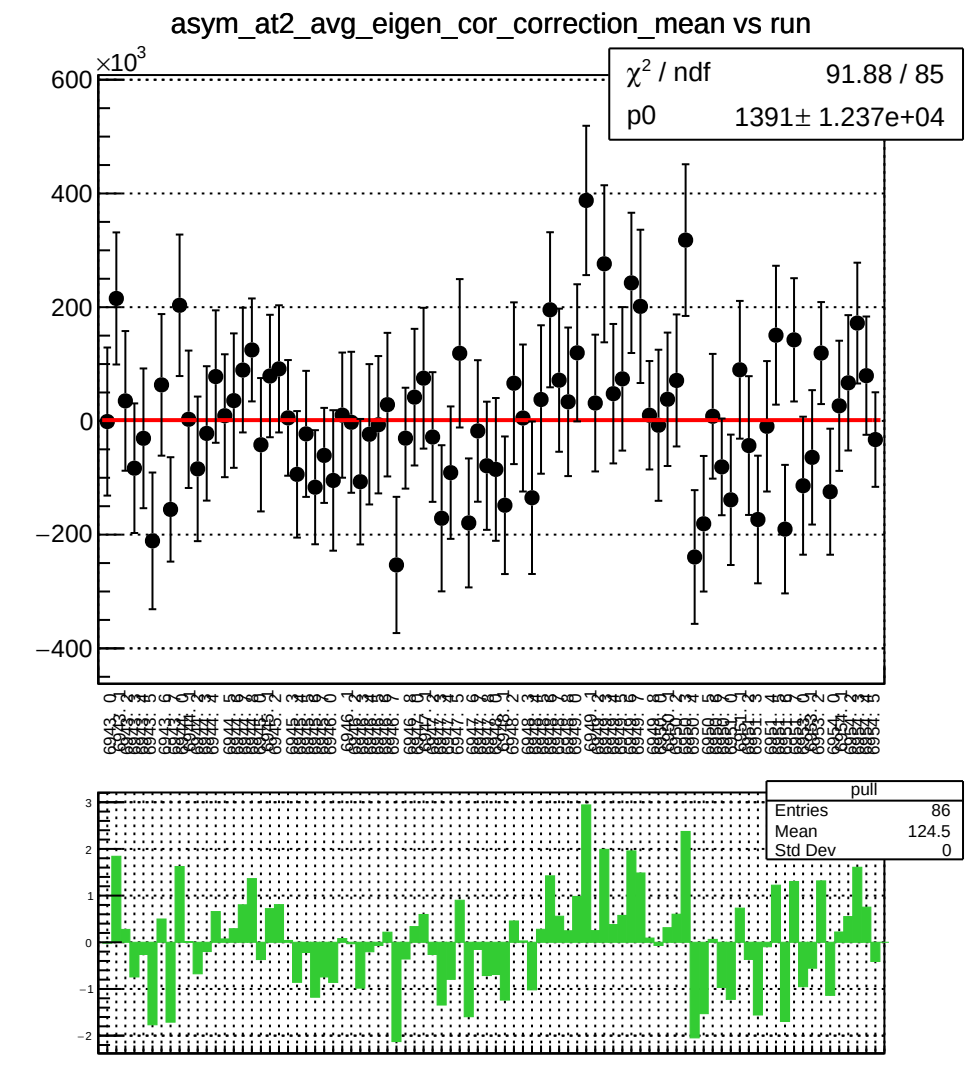

pull1D
Entries 86
Mean 0.02393
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

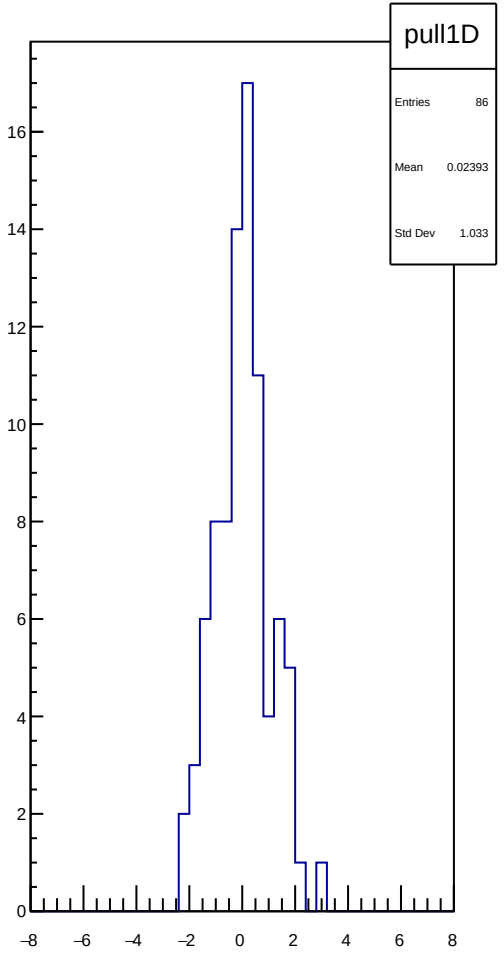

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 7832 / 85
p0 1.123e+04 ± 8.75
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

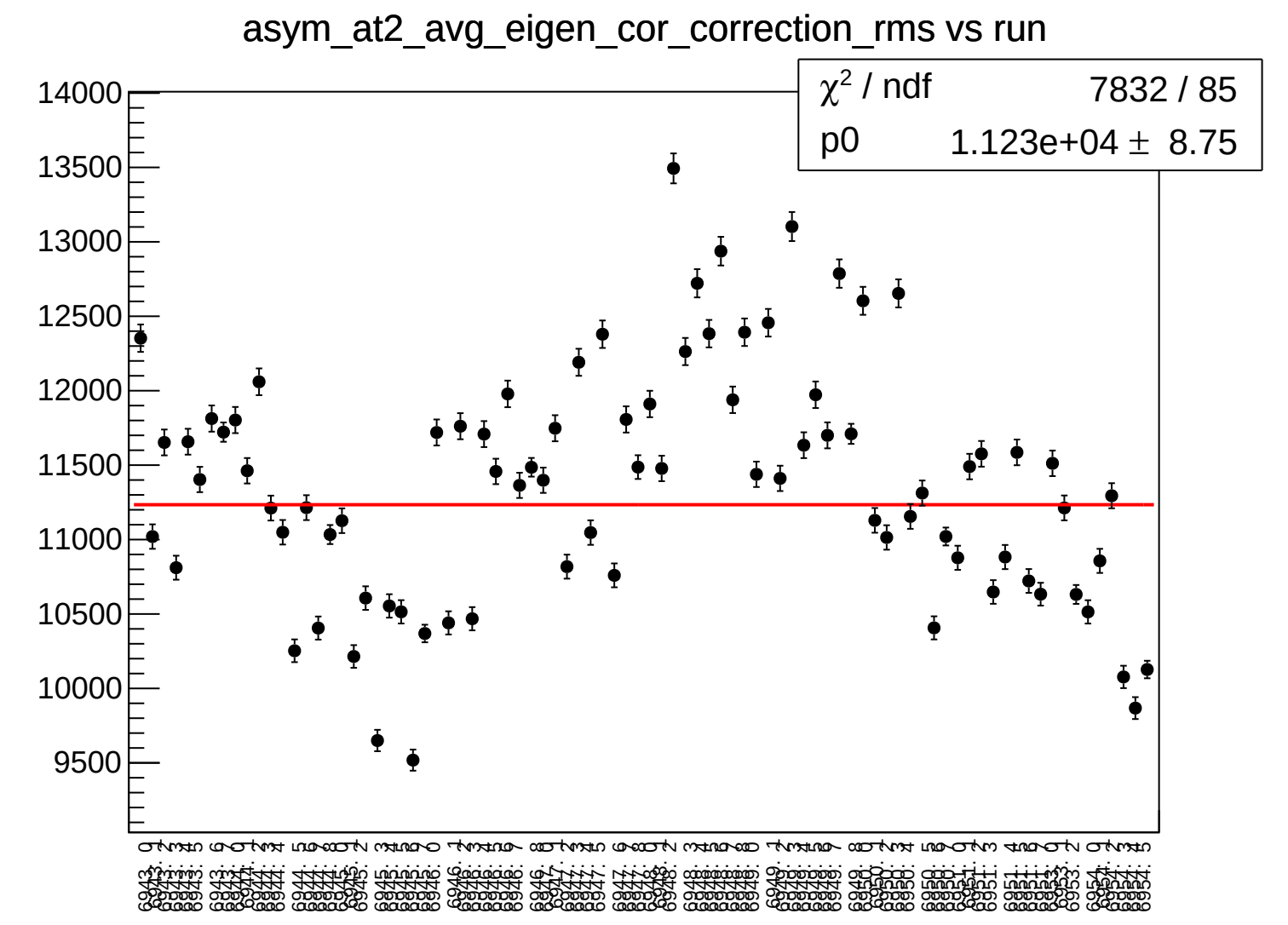

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 82.77 / 85
p0 6.213 ± 1979
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −441.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

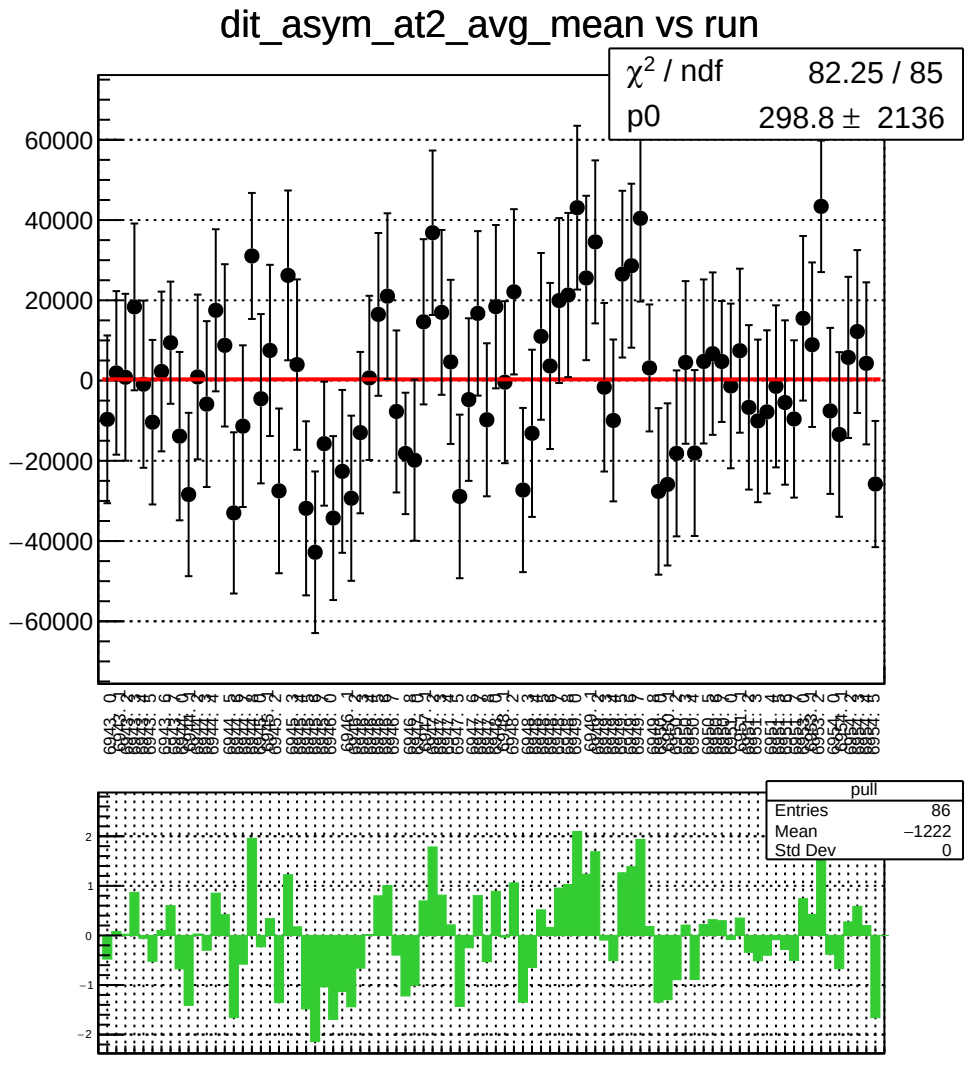

pull1D
Entries 86
Mean −0.006382
Std Dev 0.981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

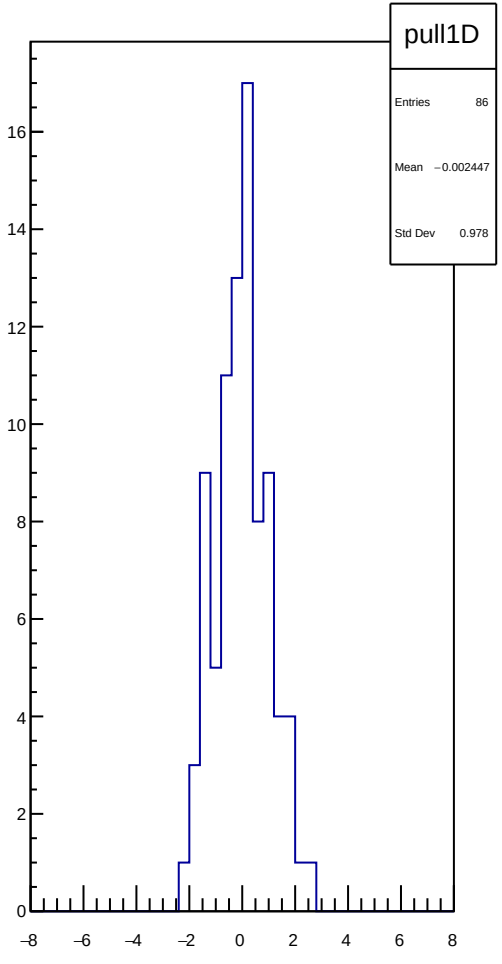

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 161.6 / 85
p0 1800 ± 1.399
1860
1840
1820
1800
1780
1760

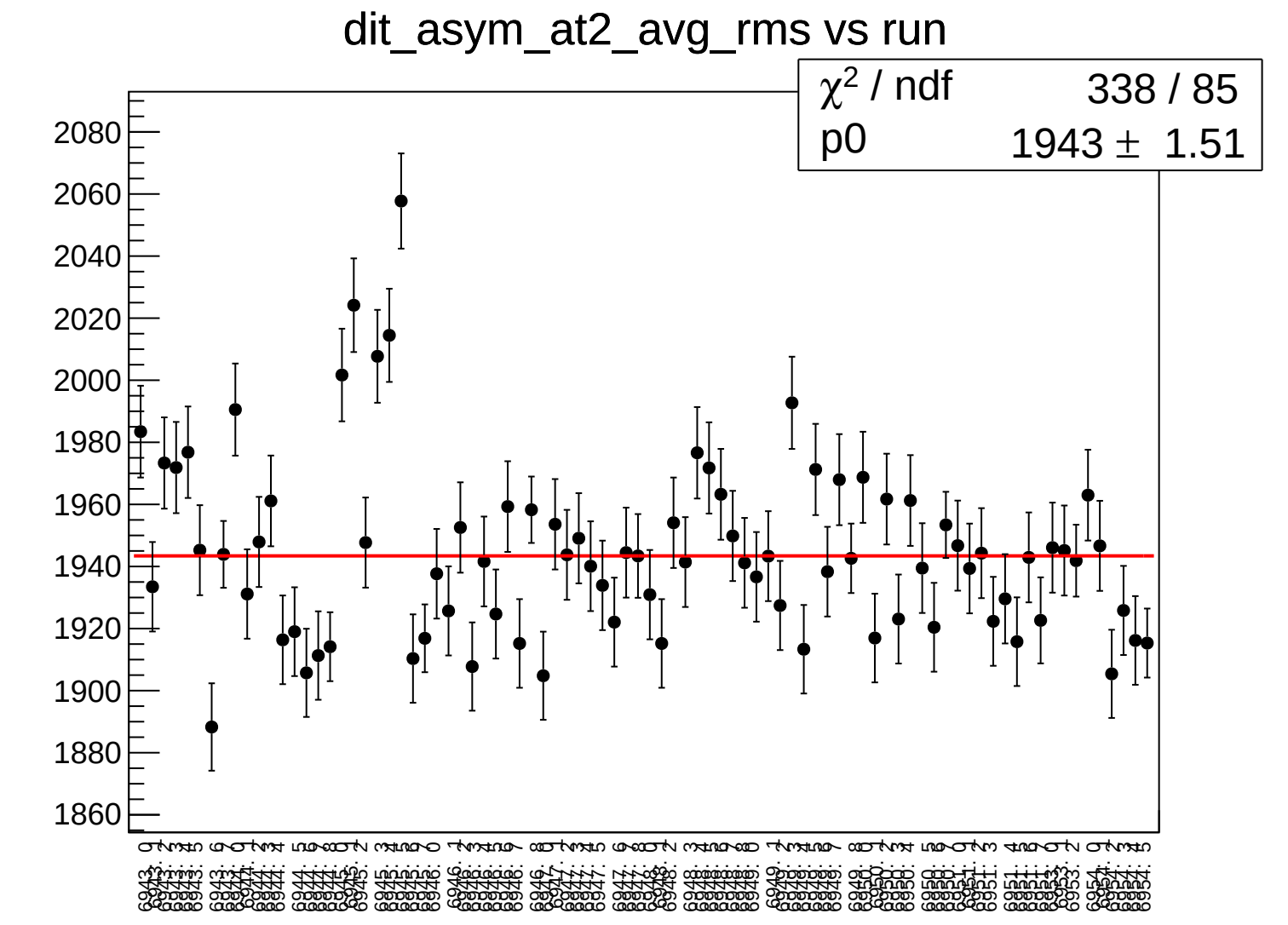

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.88 / 85
p0 1391± 1.237e+04
pull
Entries 86
Mean 124.5
Std Dev 0
3
2
1
0
−1
−2

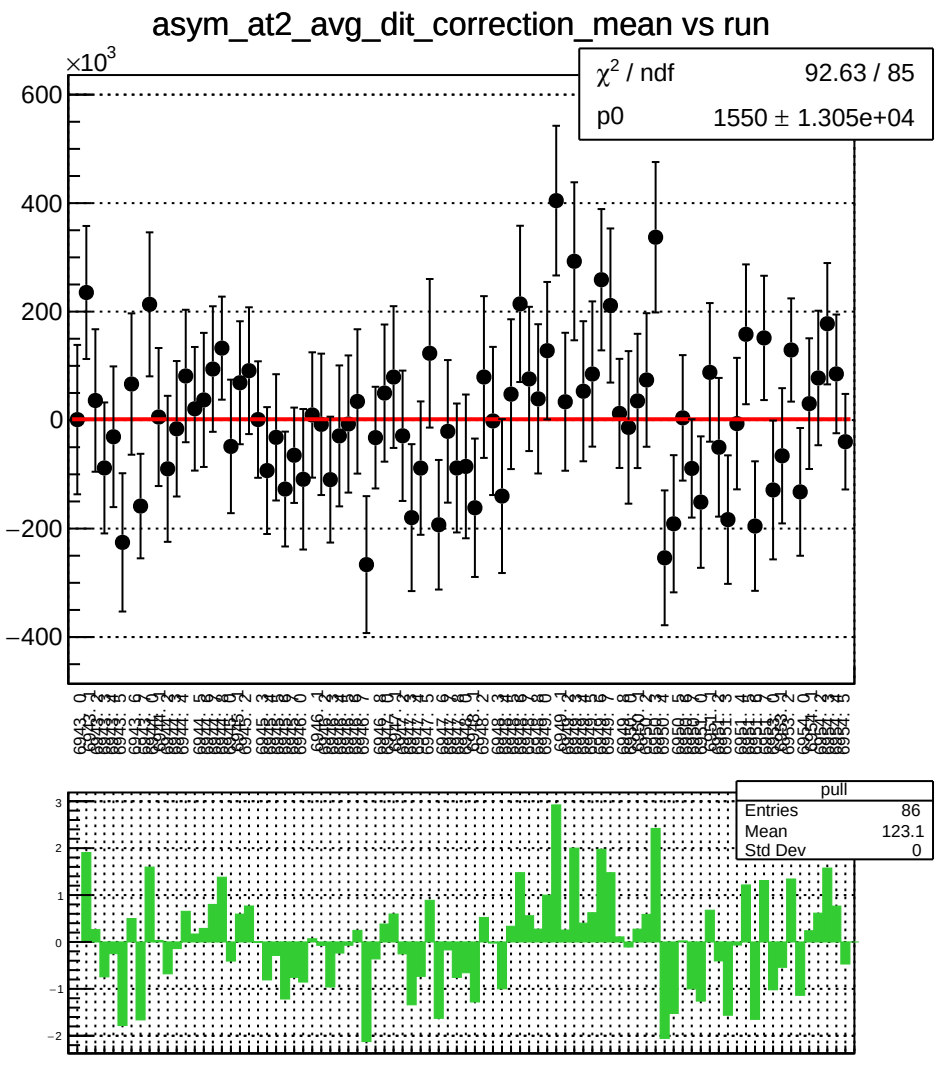

pull1D
Entries 86
Mean 0.02393
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

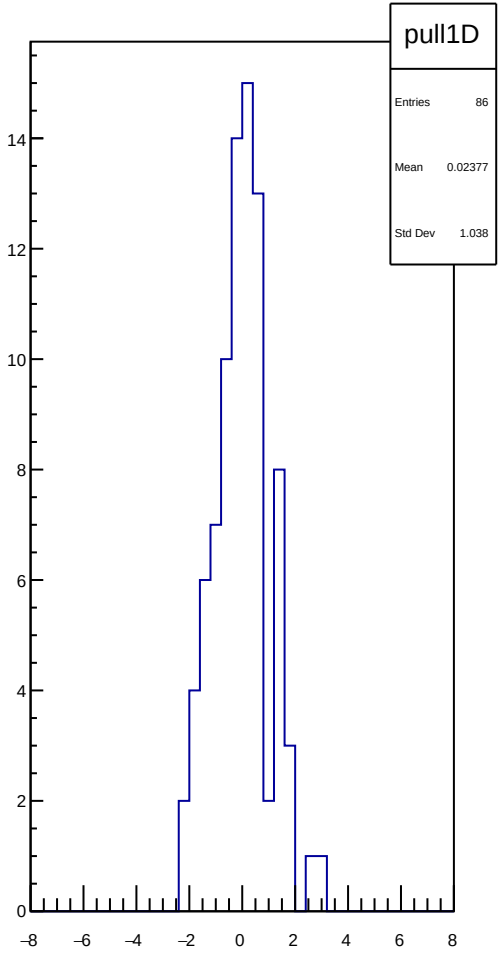

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7832 / 85
p0 1.123e+04 ± 8.75
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

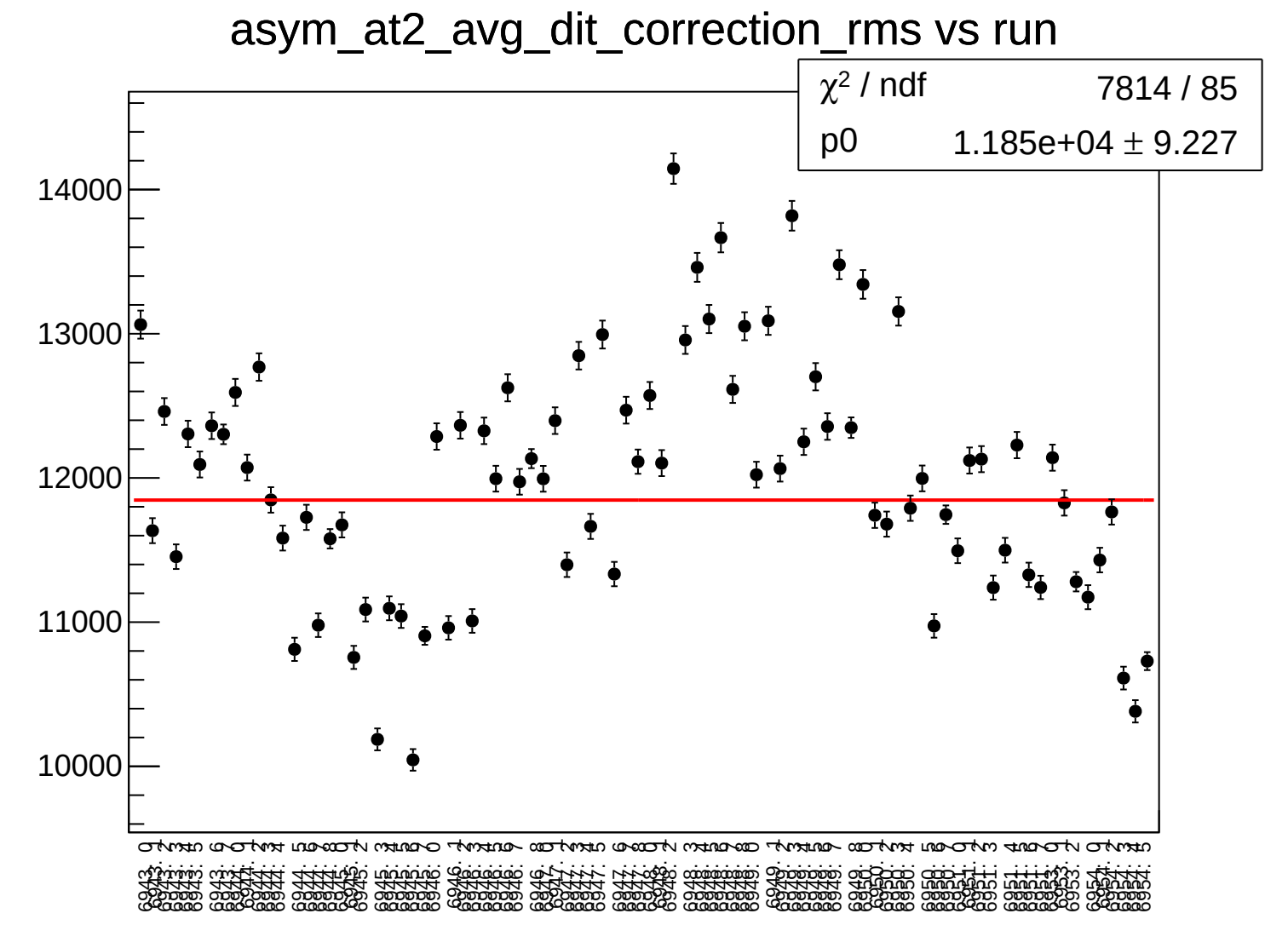

dit_asym_at2_avg_mean vs run
χ² / ndf 82.25 / 85
p0 298.8 ± 2136
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −1222
Std Dev 0
2
1
0
−1
−2

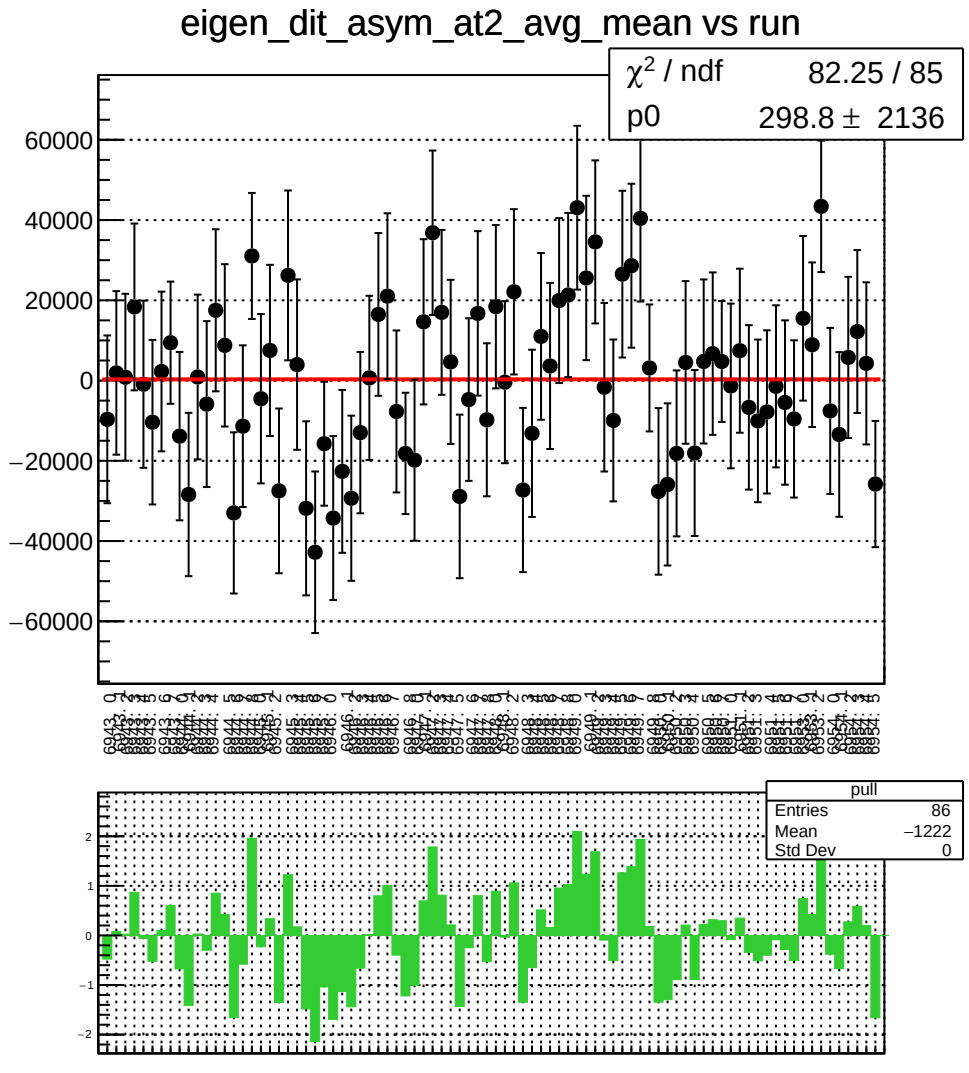

pull1D
Entries 86
Mean −0.002447
Std Dev 0.978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

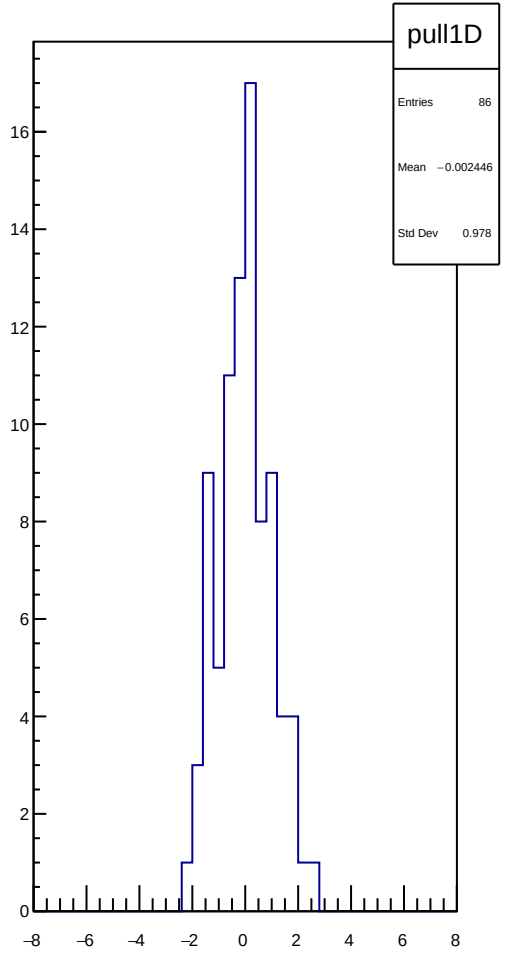

dit_asym_at2_avg_rms vs run
χ^2 / ndf 338 / 85
p0 1943 ± 1.51
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

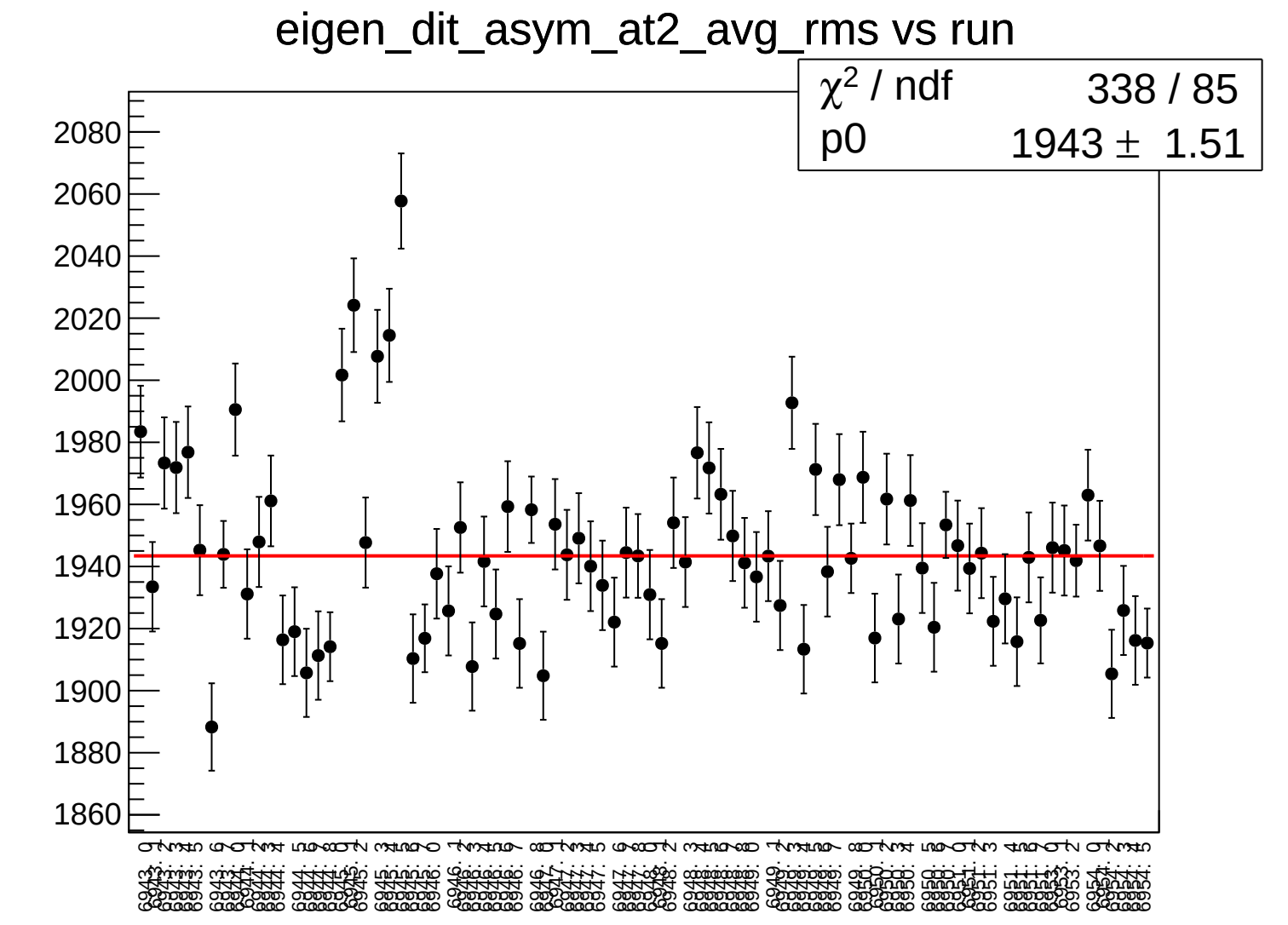

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.63 / 85
p0 1550 ± 1.305e+04
pull
Entries 86
Mean 123.1
Std Dev 0

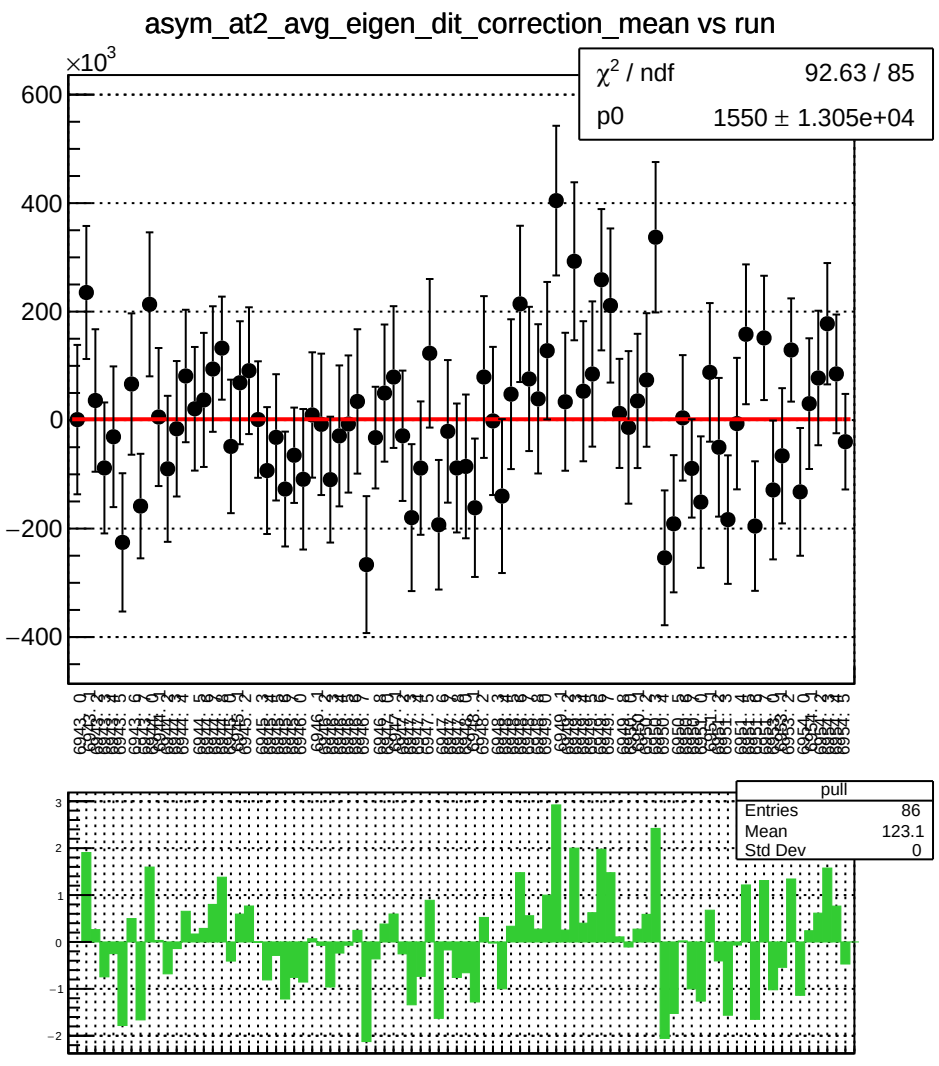

pull1D
Entries 86
Mean 0.02377
Std Dev 1.038

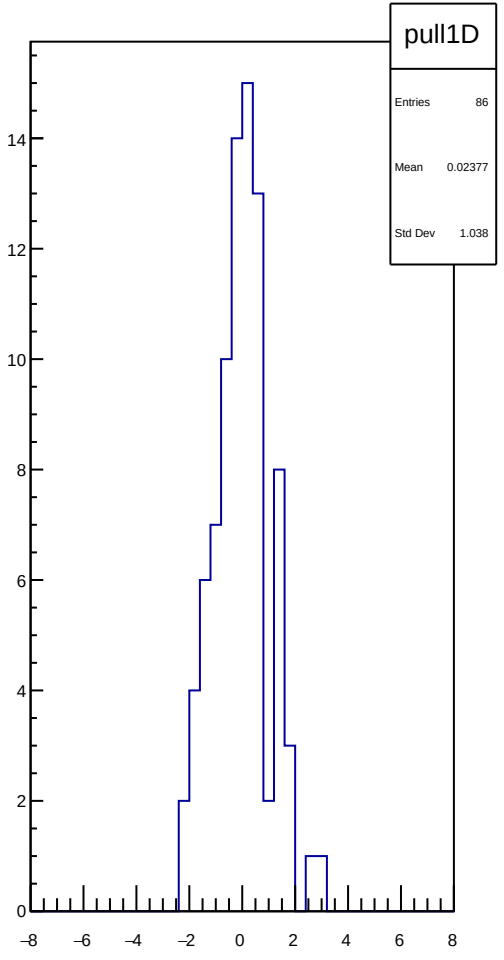

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 7814 / 85
p0 1.185e+04 ± 9.227
14000
13000
12000
11000
10000

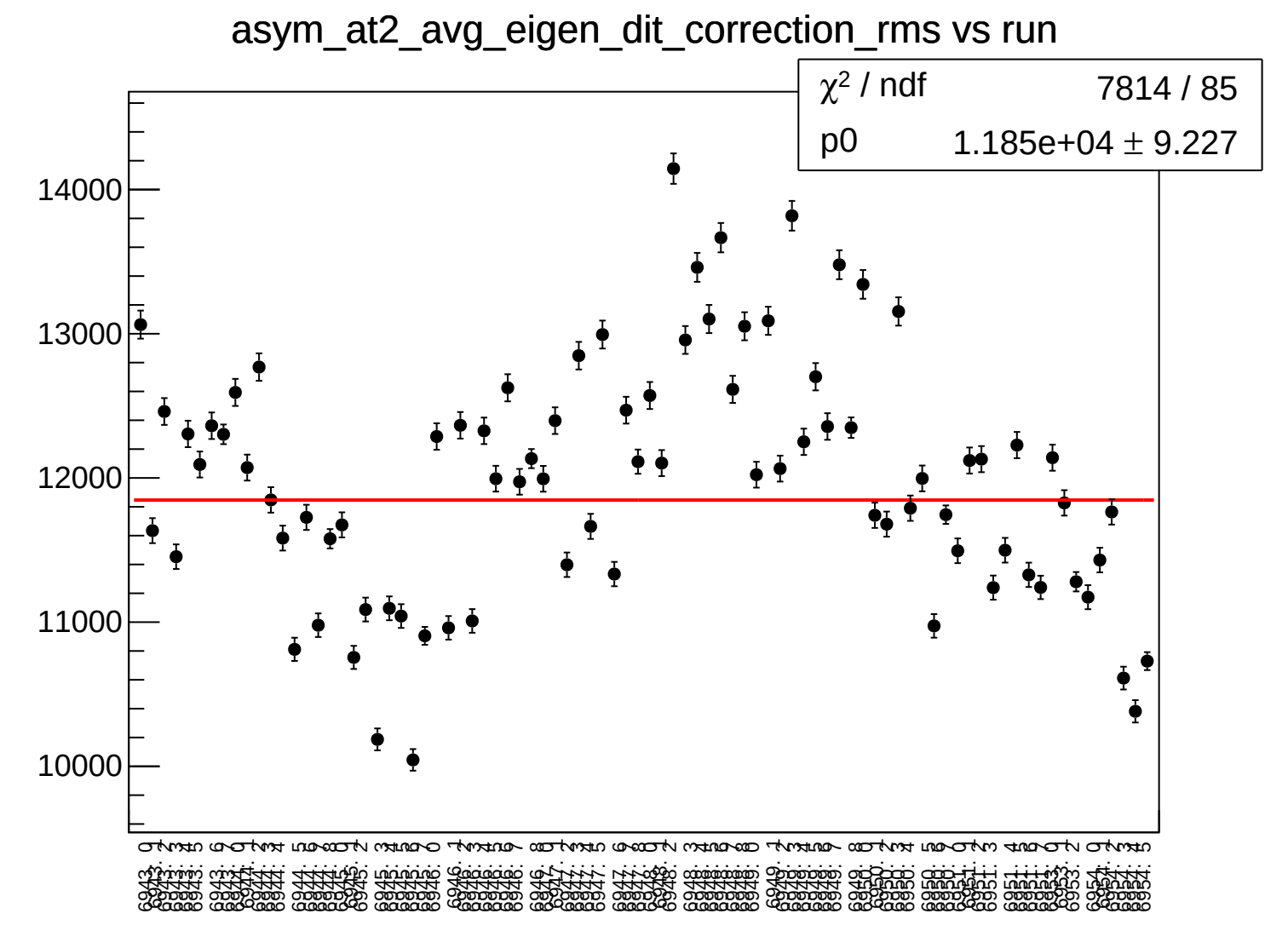

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 82.25 / 85
p0 298.8 ± 2136
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −1222
Std Dev 0
2
1
0
−1
−2

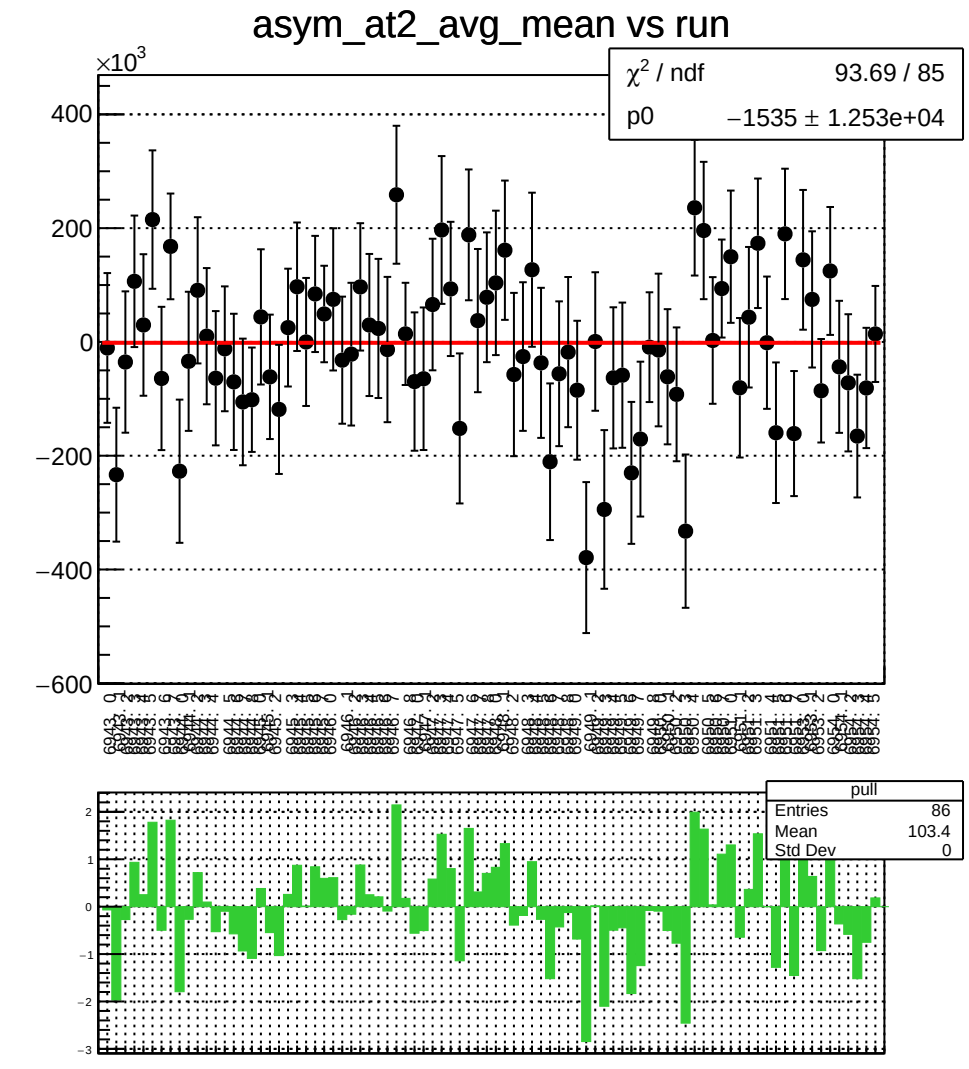

pull1D
Entries 86
Mean −0.002446
Std Dev 0.978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

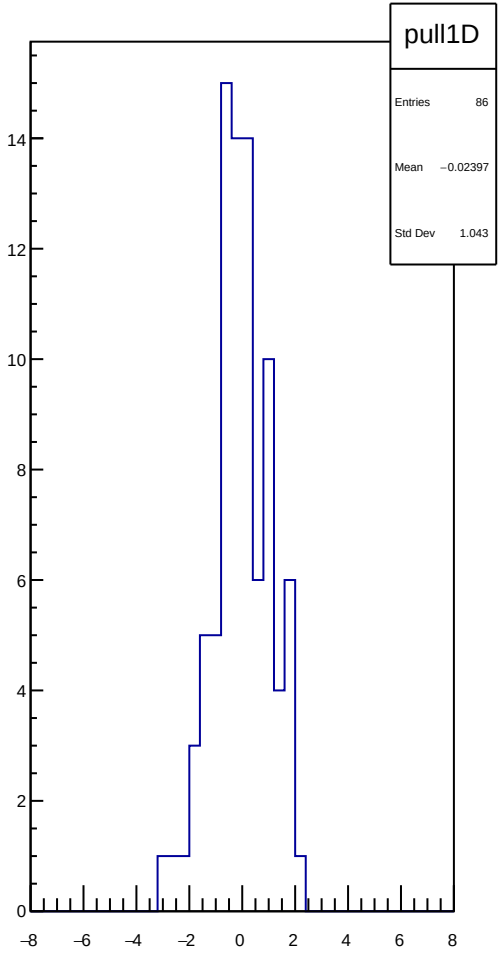

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 338 / 85
p0 1943 ± 1.51
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

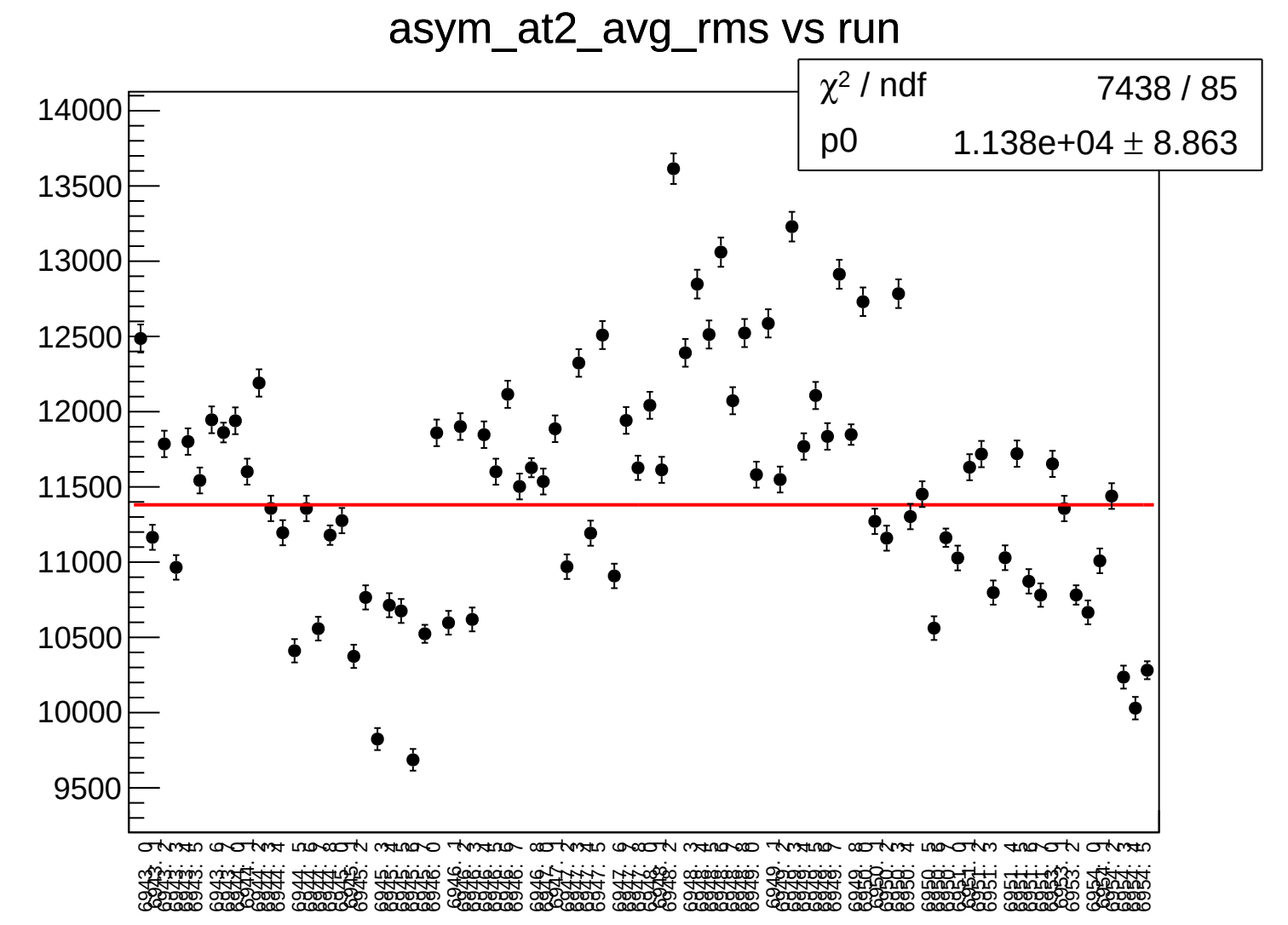

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 92.63 / 85
p0 1550 ± 1.305e+04
pull
Entries 86
Mean 123.1
Std Dev 0
3
2
1
0
−1
−2

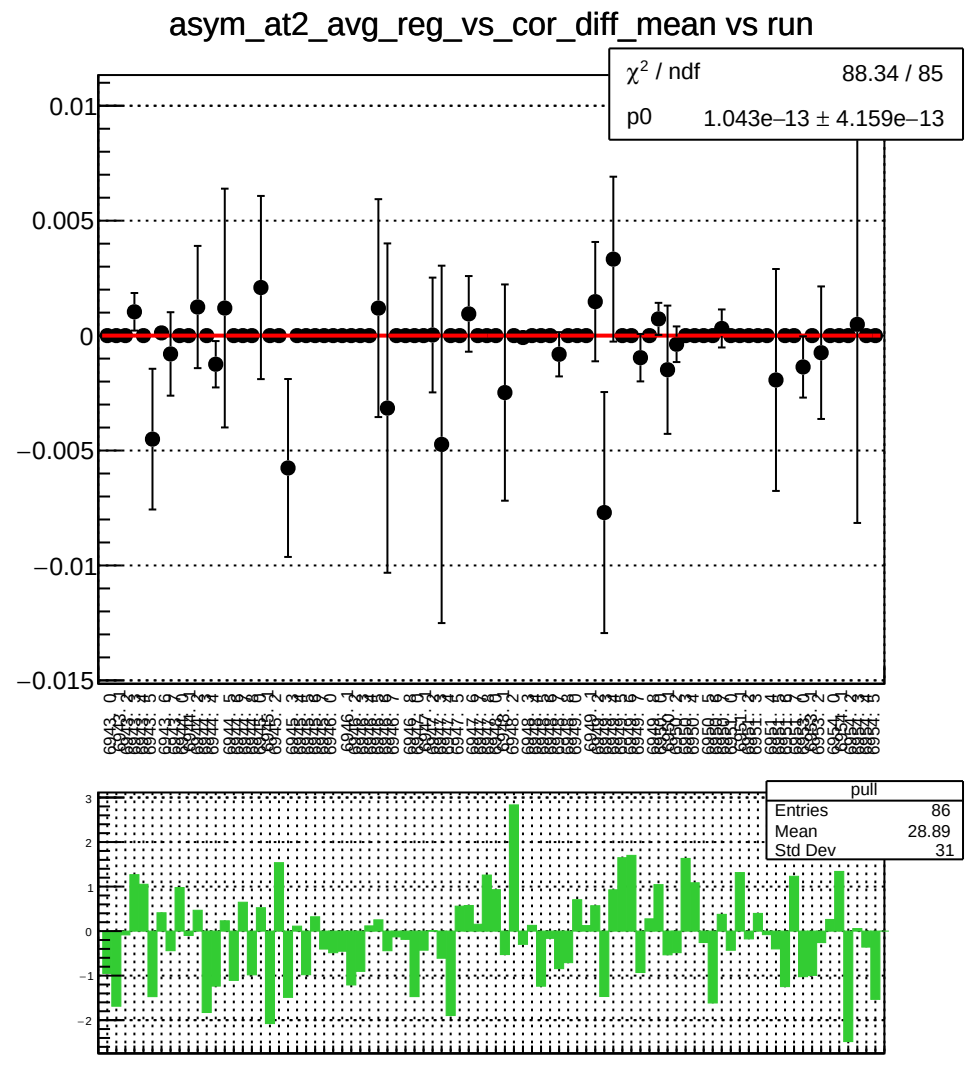

pull1D
Entries 86
Mean 0.02377
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

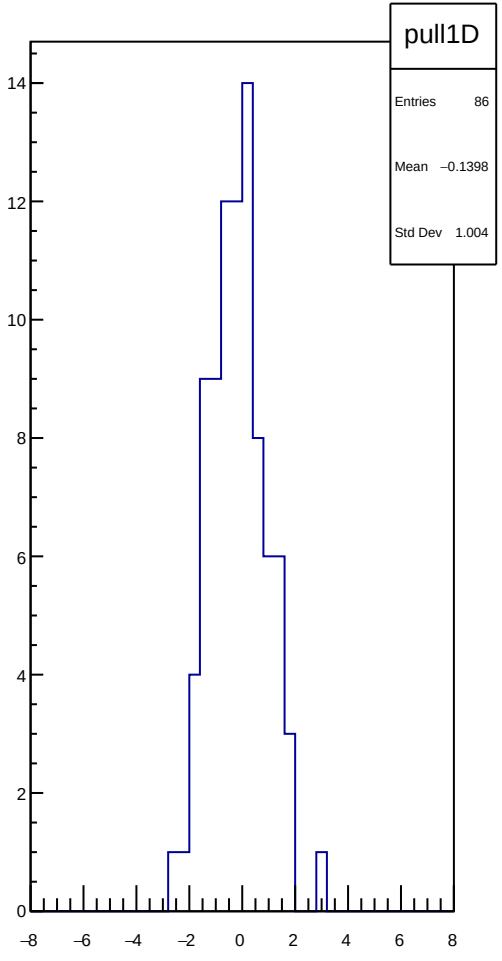

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7814 / 85
p0 1.185e+04 ± 9.227
14000
13000
12000
11000
10000

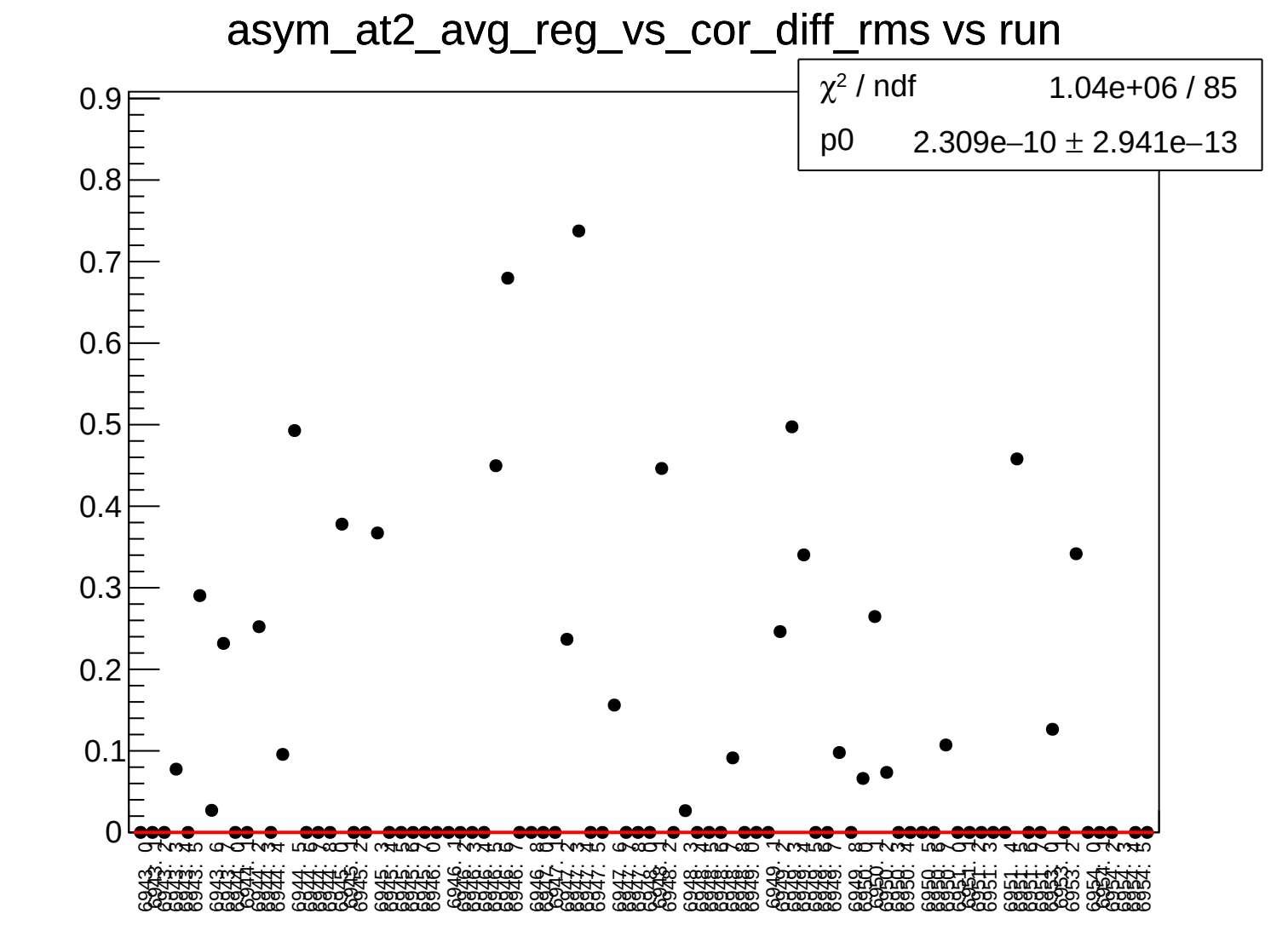

asym_at2_avg_mean vs run
×10^3
χ² / ndf 93.69 / 85
p0 −1535 ± 1.253e+04
pull
Entries 86
Mean 103.4
Std Dev 0

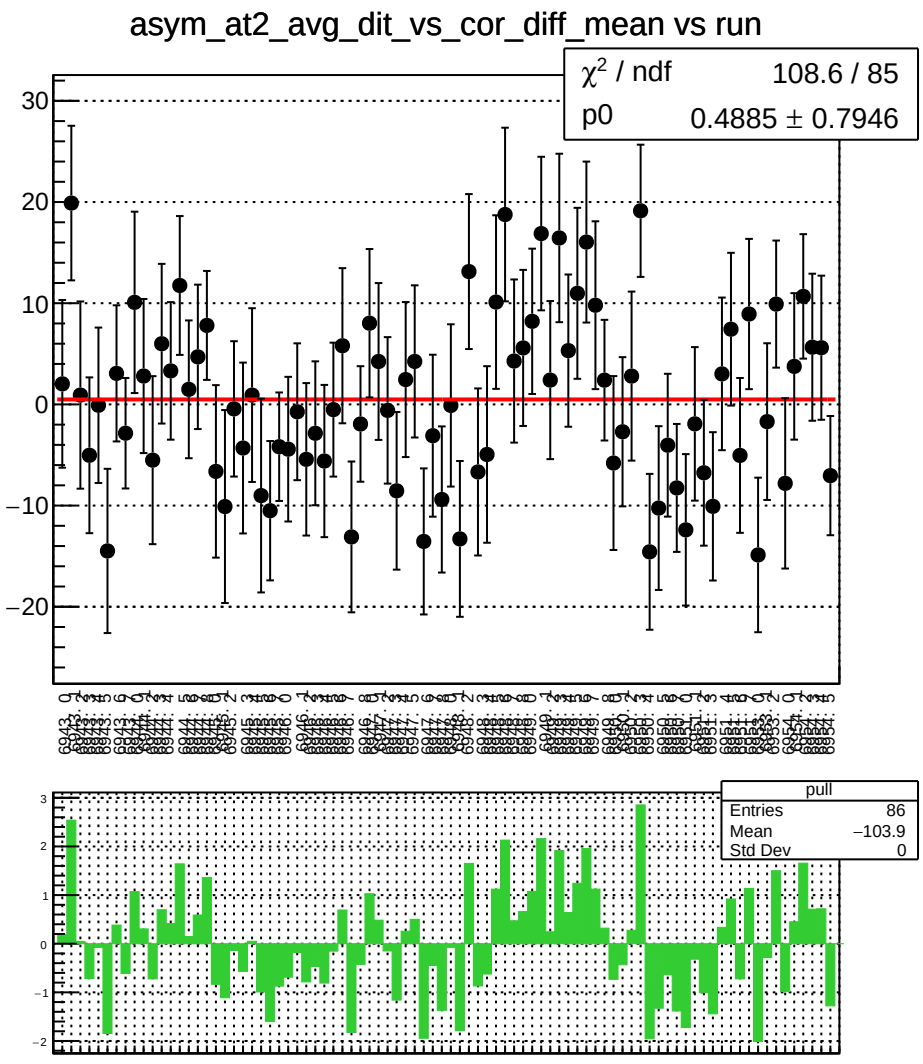

pull1D
Entries 86
Mean −0.02397
Std Dev 1.043

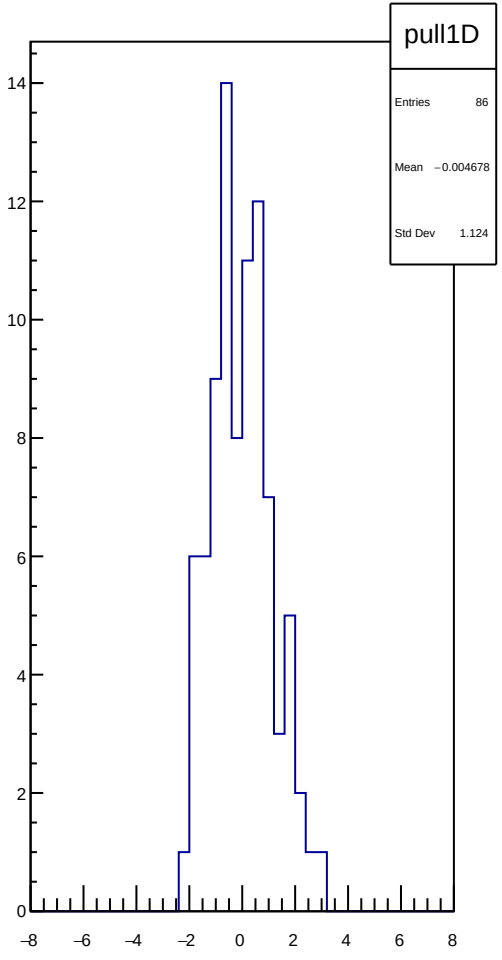

asym_at2_avg_rms vs run
χ² / ndf 7438 / 85
p0 1.138e+04 ± 8.863
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

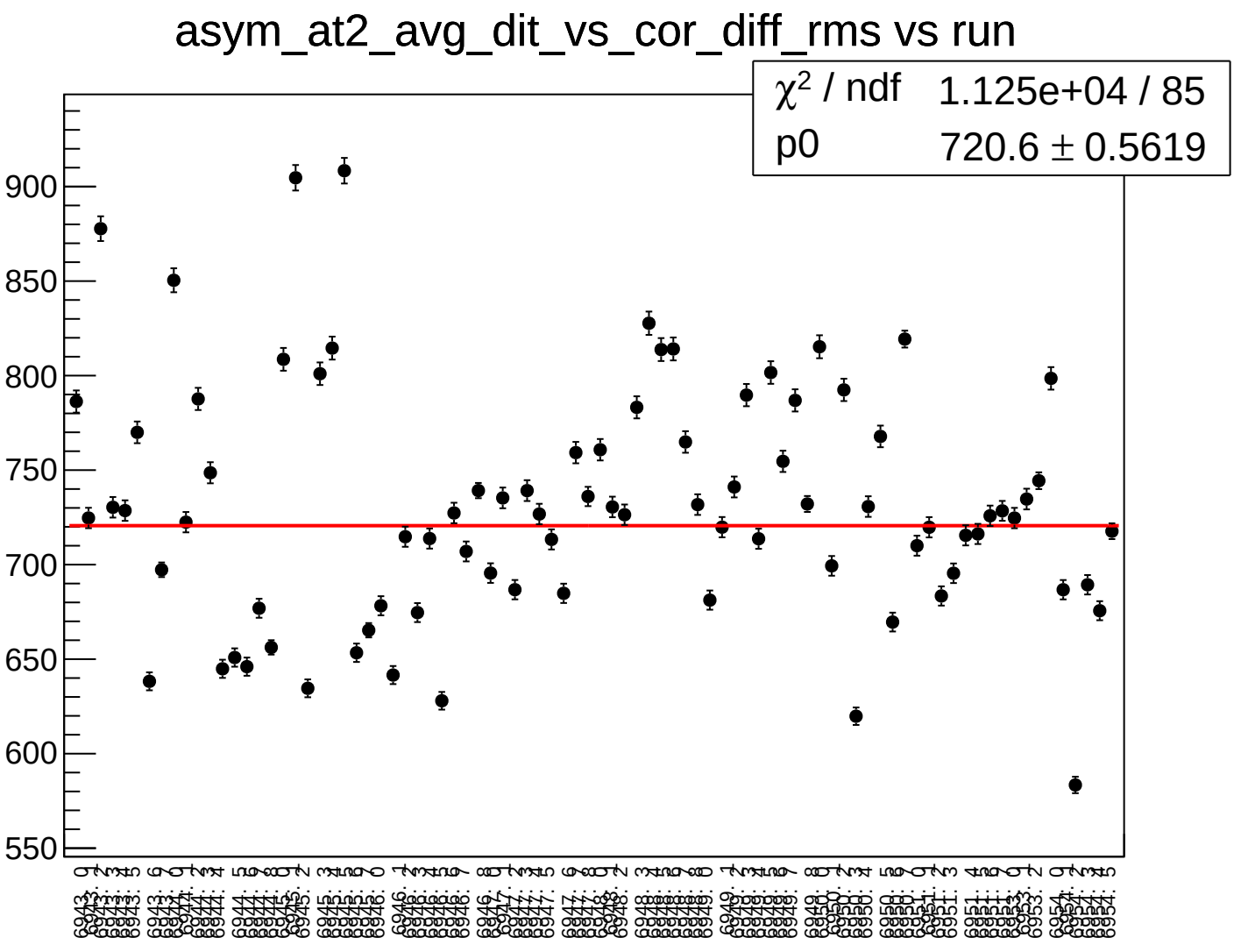

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.34 / 85
p0 1.043e−13 ± 4.159e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 28.89
Std Dev 31
3
2
1
0
−1
−2

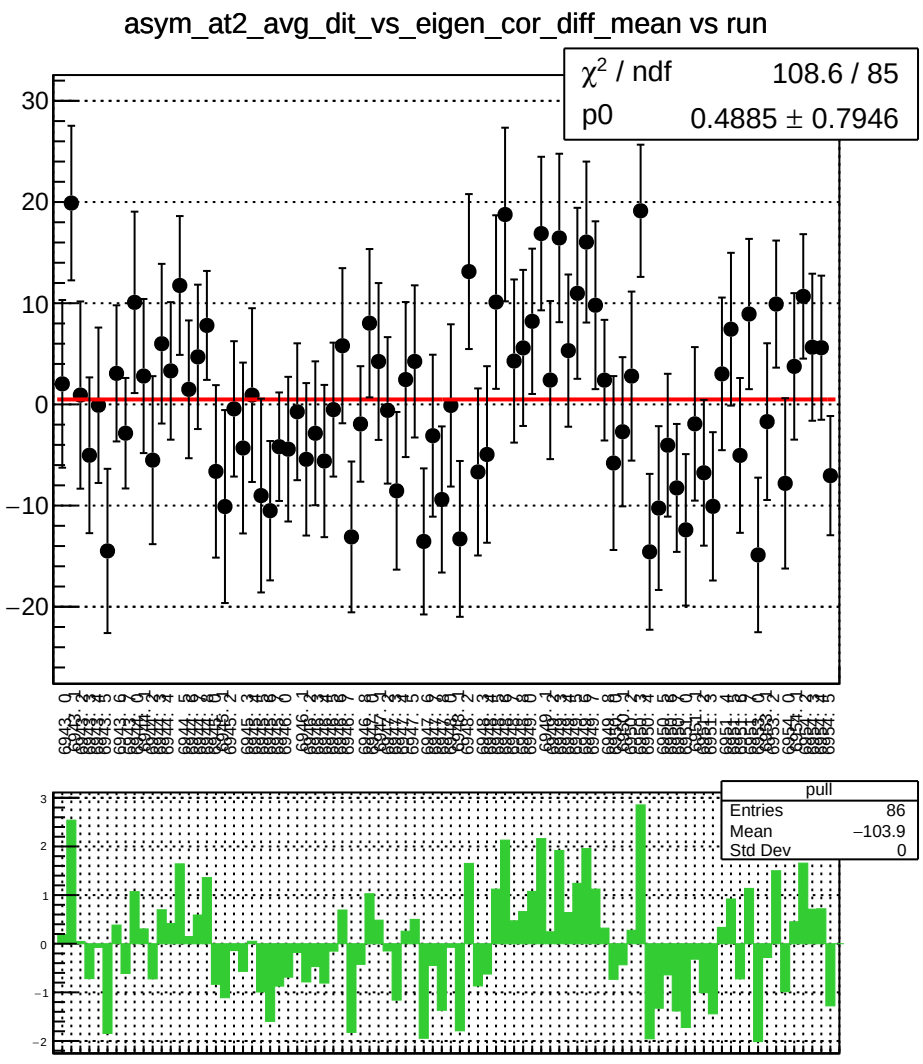

pull1D
Entries 86
Mean −0.1398
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

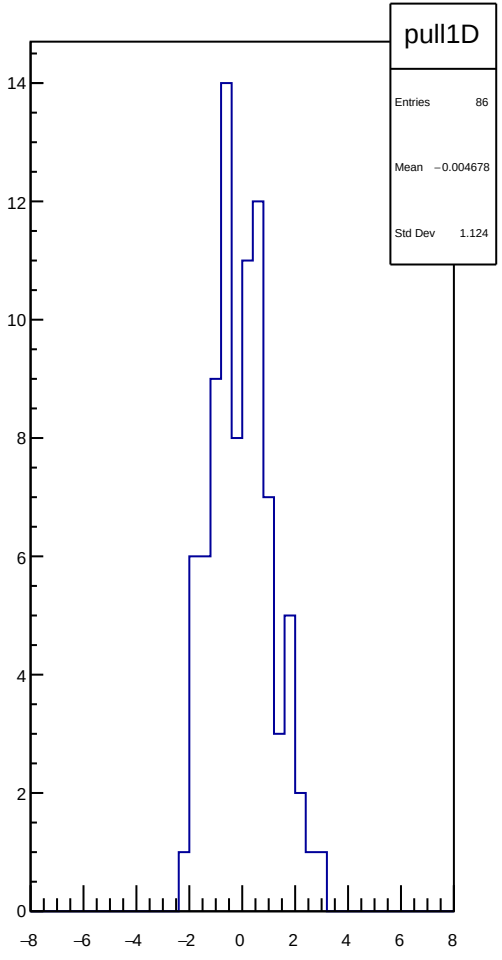

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.04e+06 / 85
p0 2.309e−10 ± 2.941e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

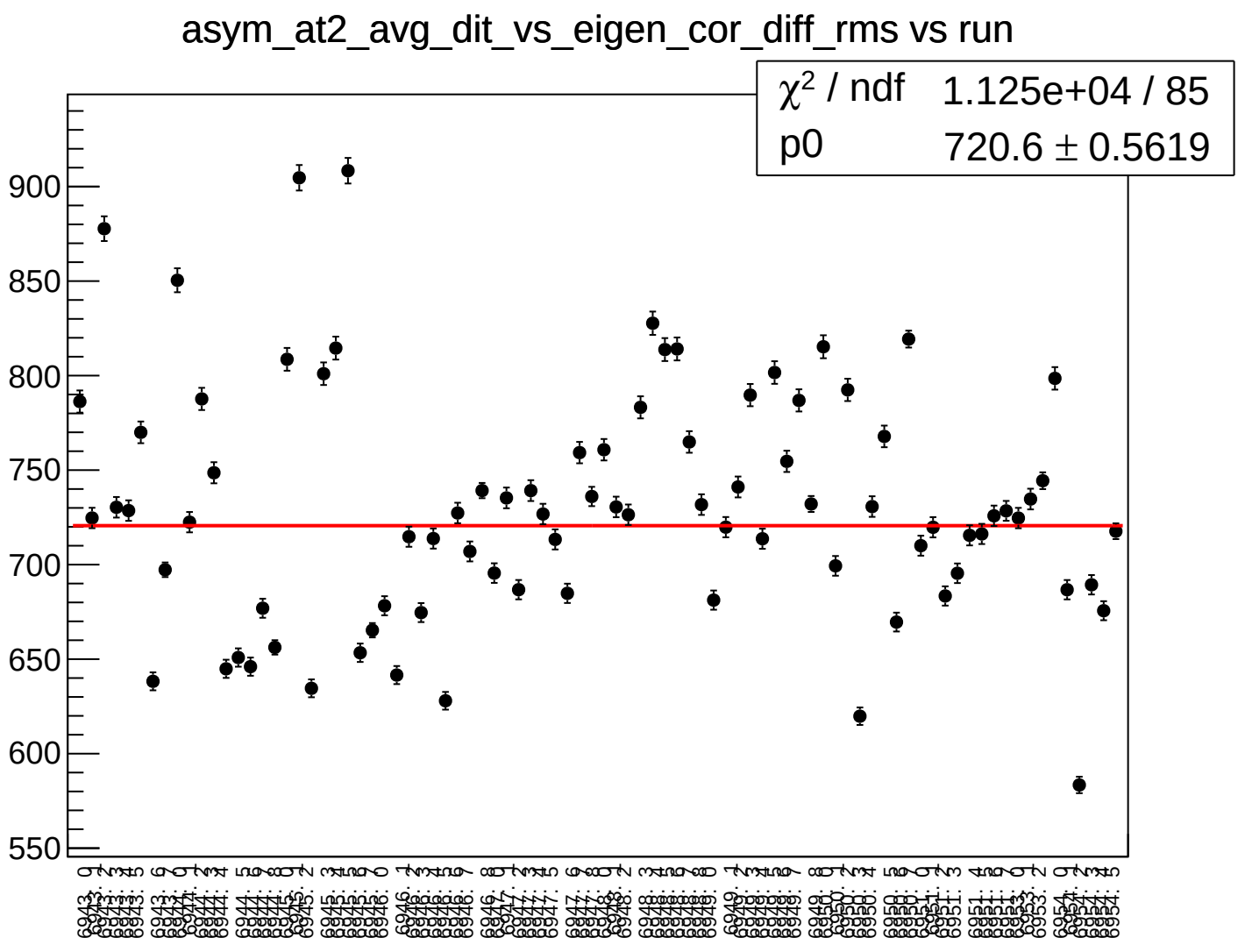

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 108.6 / 85
p0 0.4885 ± 0.7946
pull
Entries 86
Mean −103.9
Std Dev 0

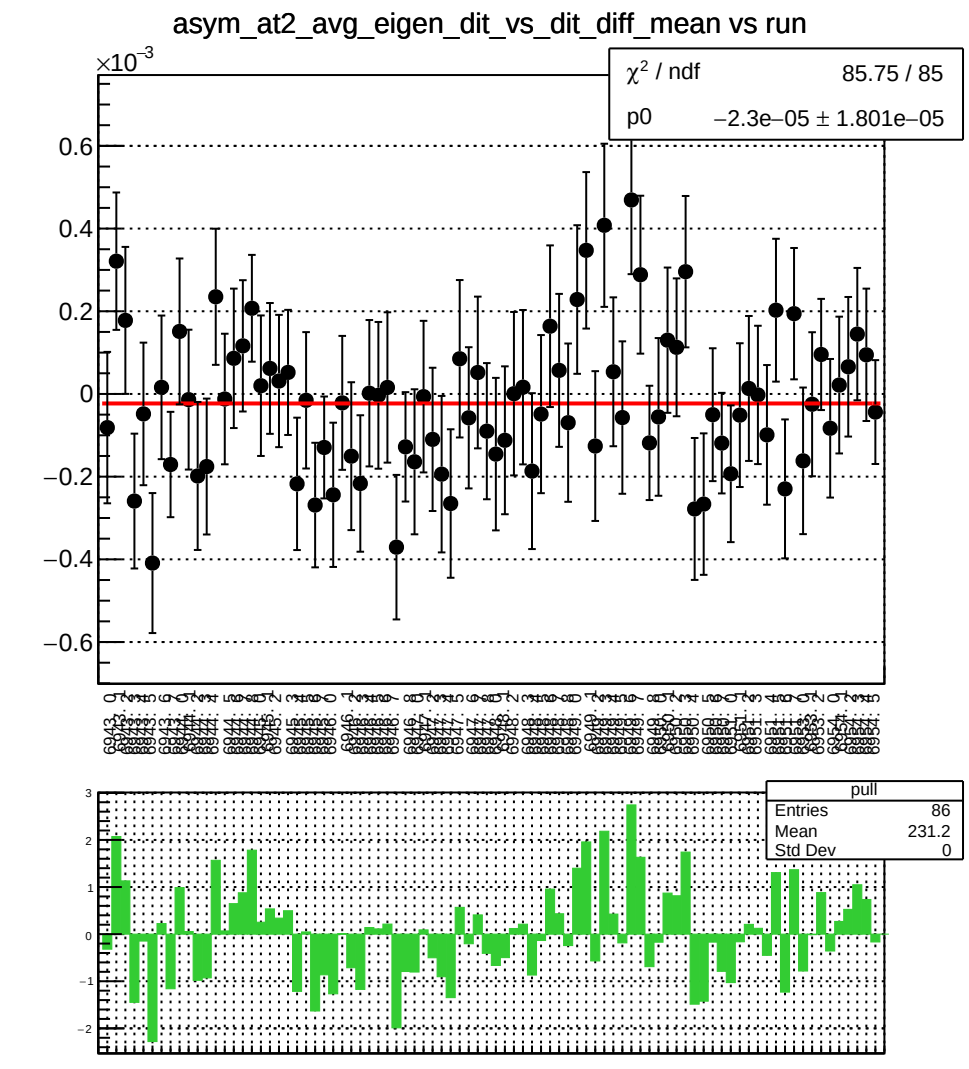

pull1D
Entries 86
Mean −0.004678
Std Dev 1.124

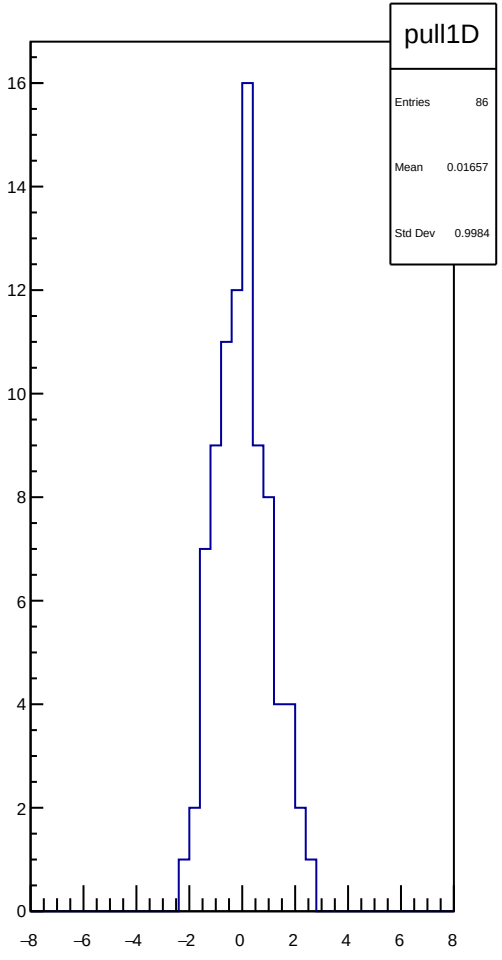

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+04 / 85
p0 720.6 ± 0.5619
900
850
800
750
700
650
600
550

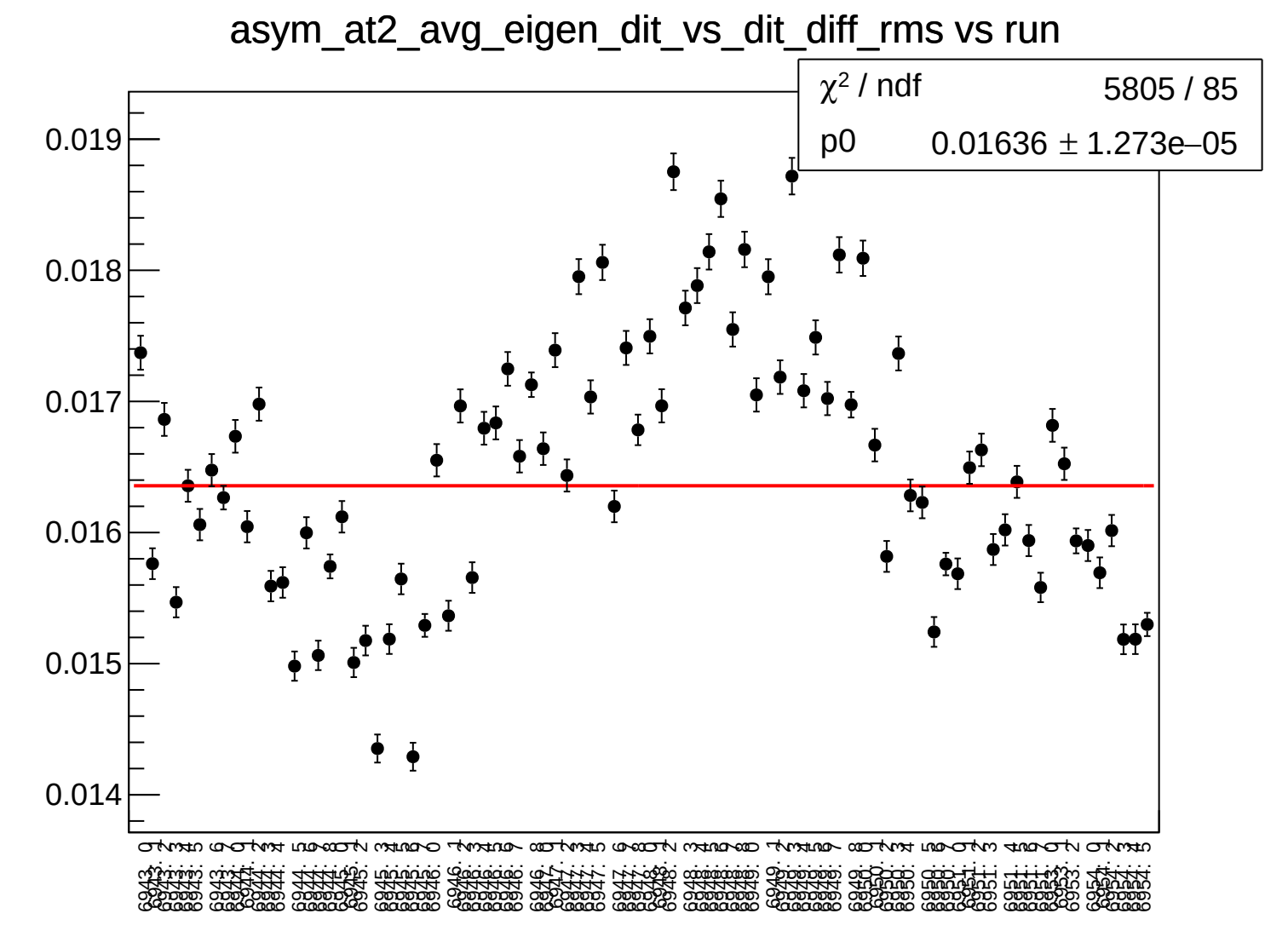

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.6 / 85
p0 0.4885 ± 0.7946
pull
Entries 86
Mean −103.9
Std Dev 0

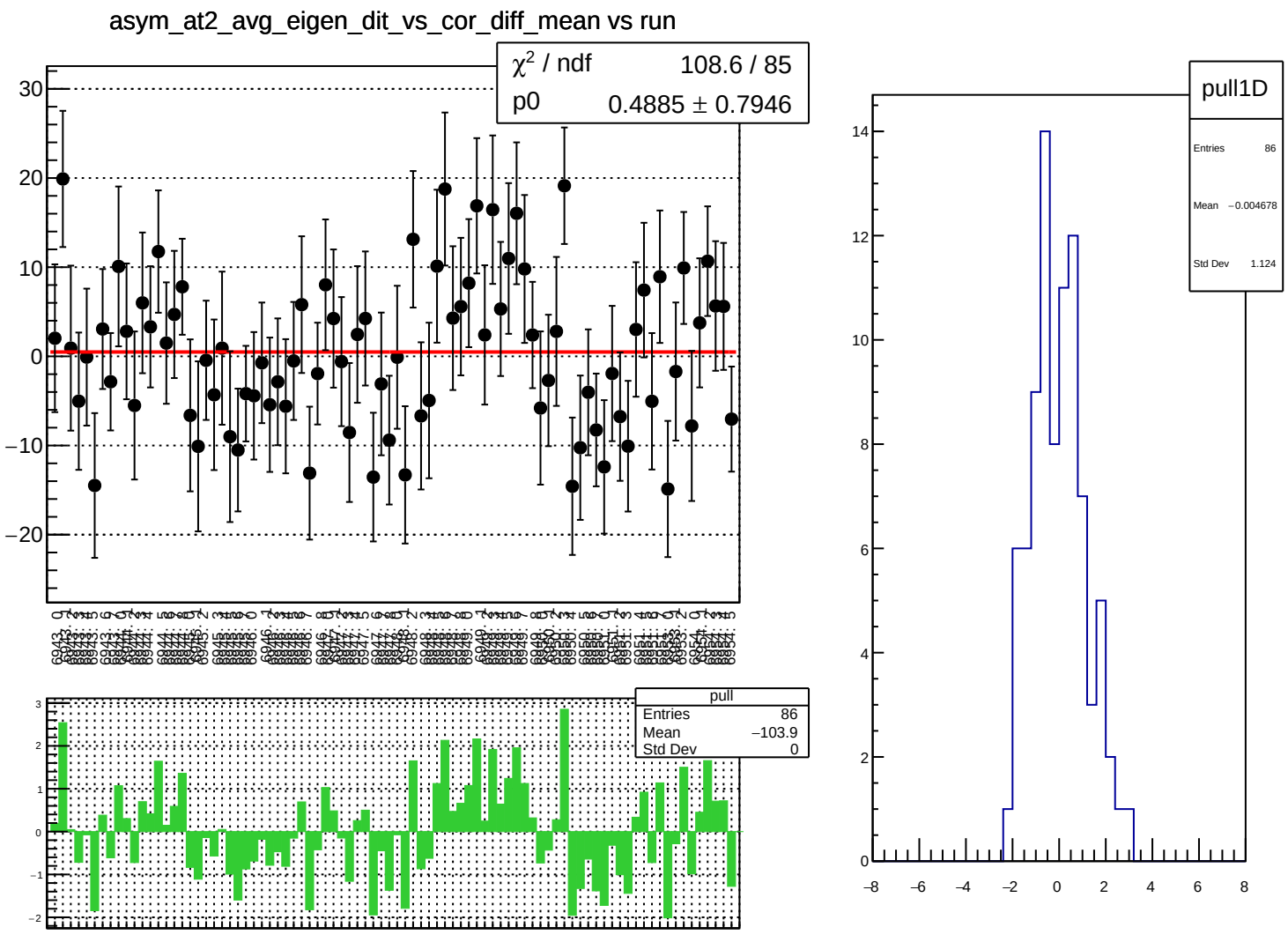

pull1D
Entries 86
Mean −0.004678
Std Dev 1.124

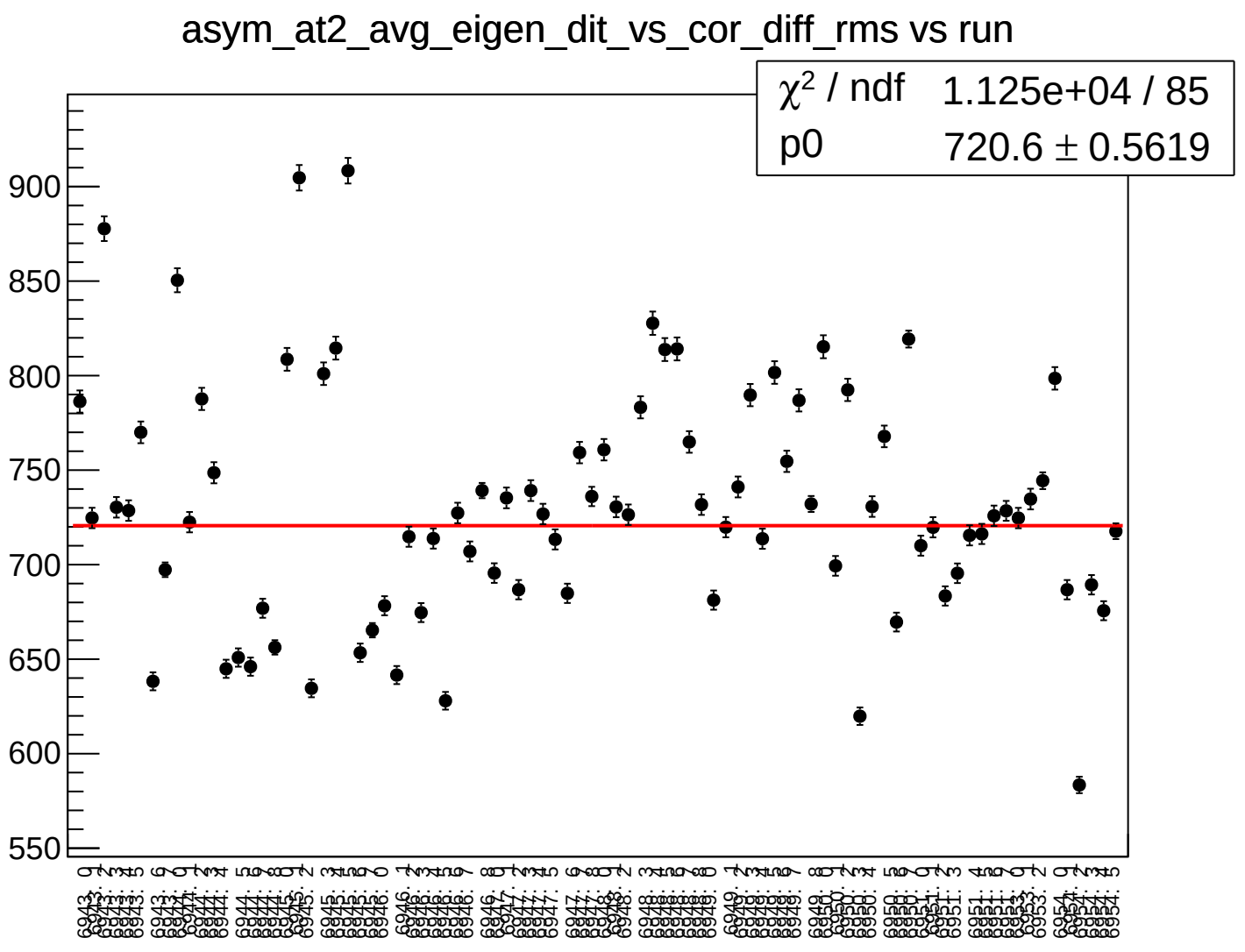

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+04 / 85
p0 720.6 ± 0.5619
900
850
800
750
700
650
600
550

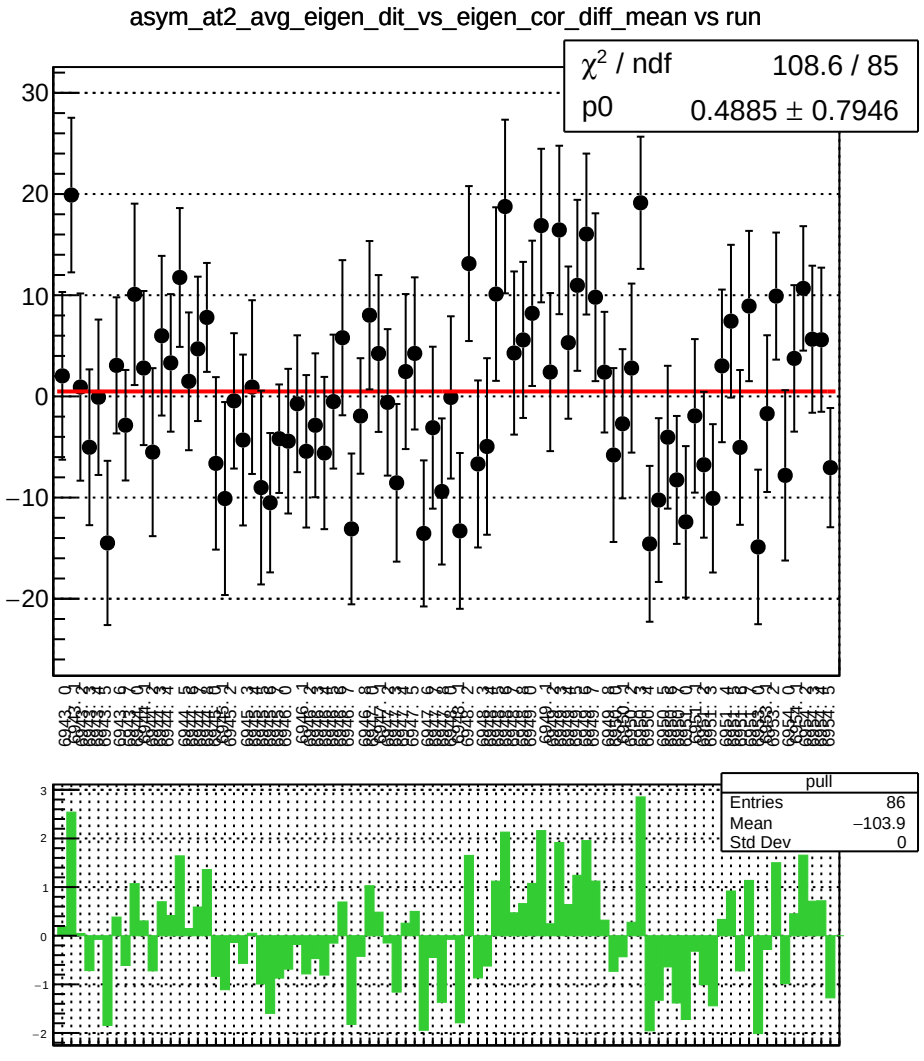

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 85.75 / 85
p0 −2.3e−05 ± 1.801e−05
pull
Entries 86
Mean 231.2
Std Dev 0

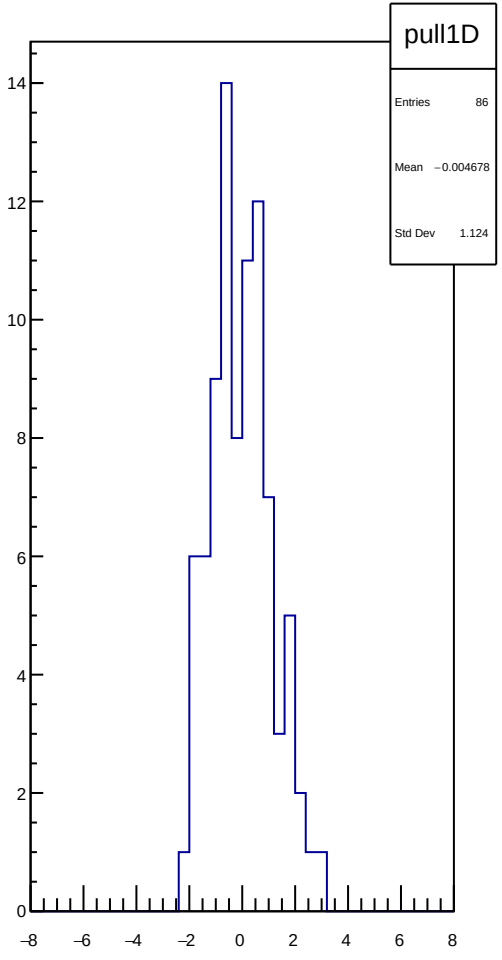

pull1D
Entries 86
Mean 0.01657
Std Dev 0.9984

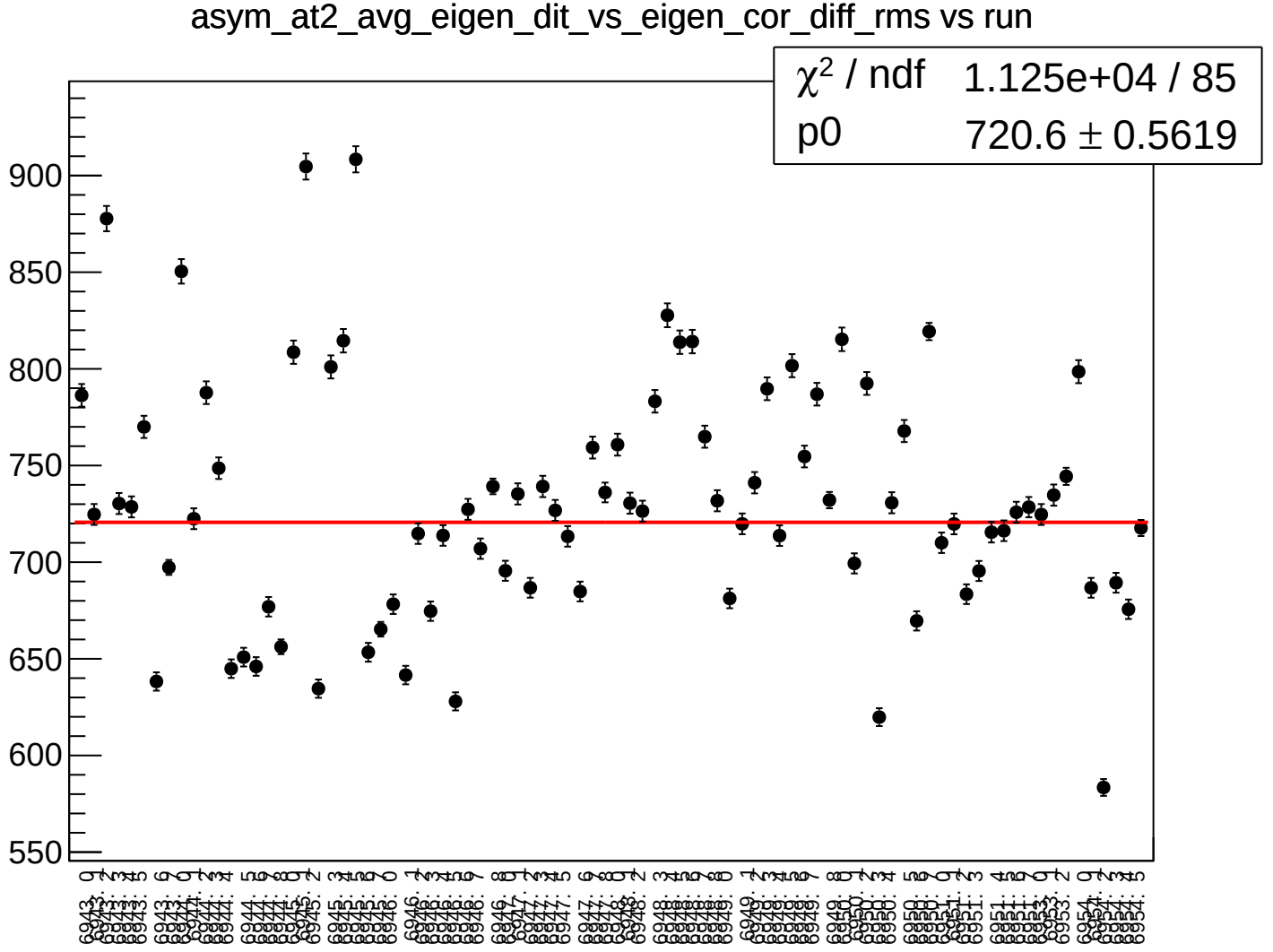

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5805 / 85
p0 0.01636 ± 1.273e−05
0.019
0.018
0.017
0.016
0.015
0.014

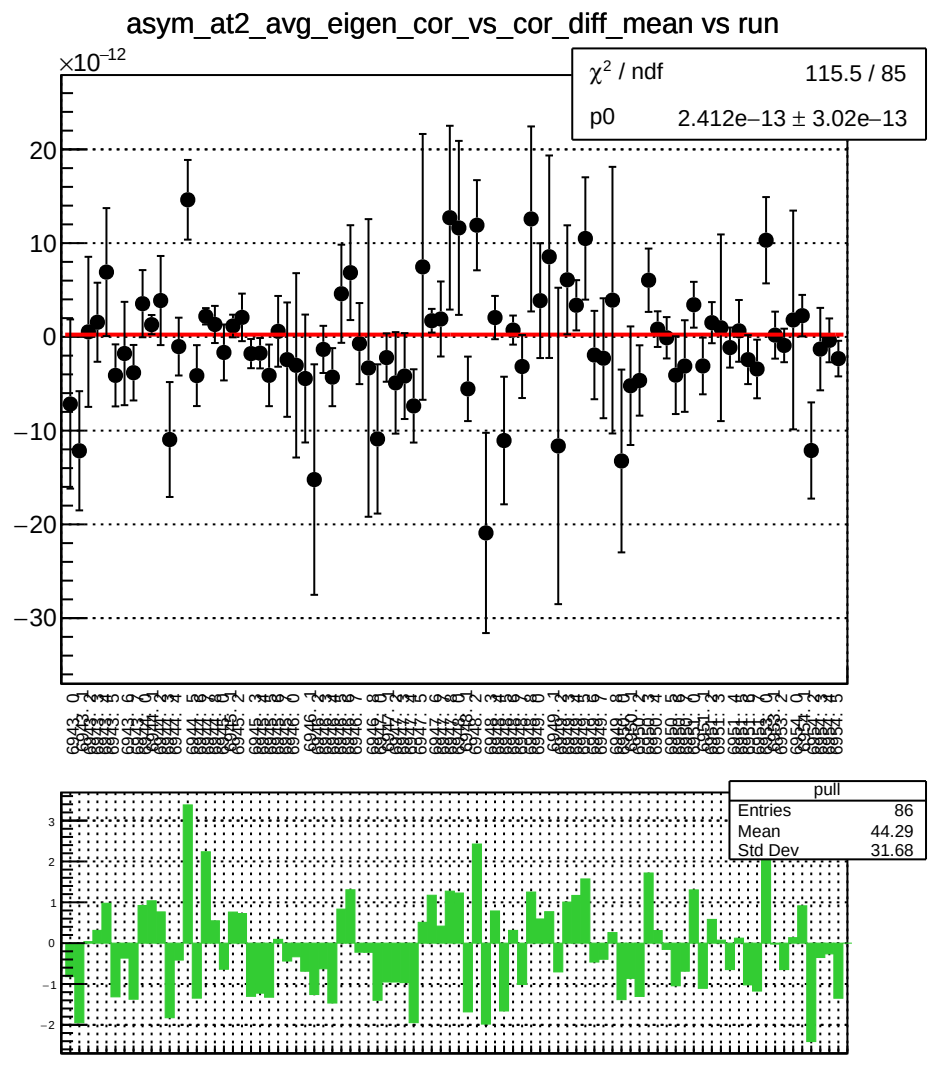

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 108.6 / 85
p0 0.4885 ± 0.7946
pull
Entries 86
Mean −103.9
Std Dev 0
pull1D
Entries 86
Mean −0.004678
Std Dev 1.124

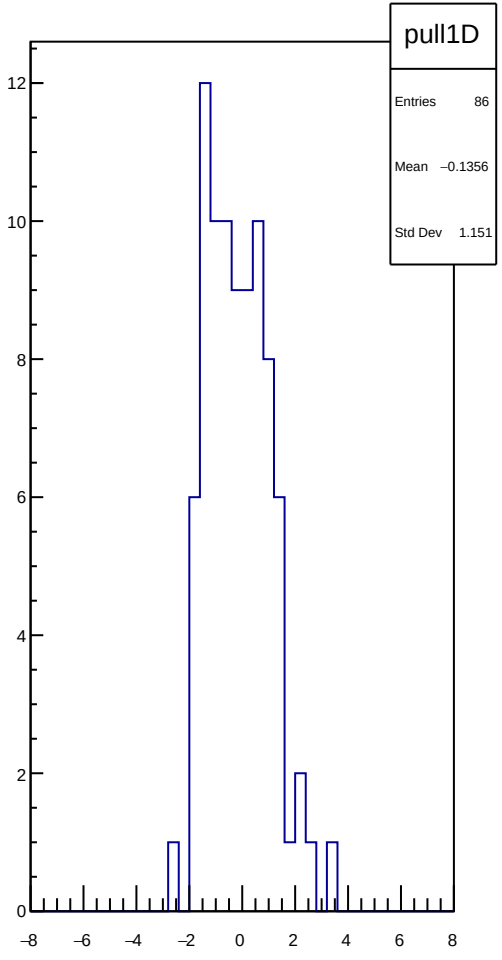

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+04 / 85
p0 720.6 ± 0.5619
900
850
800
750
700
650
600
550

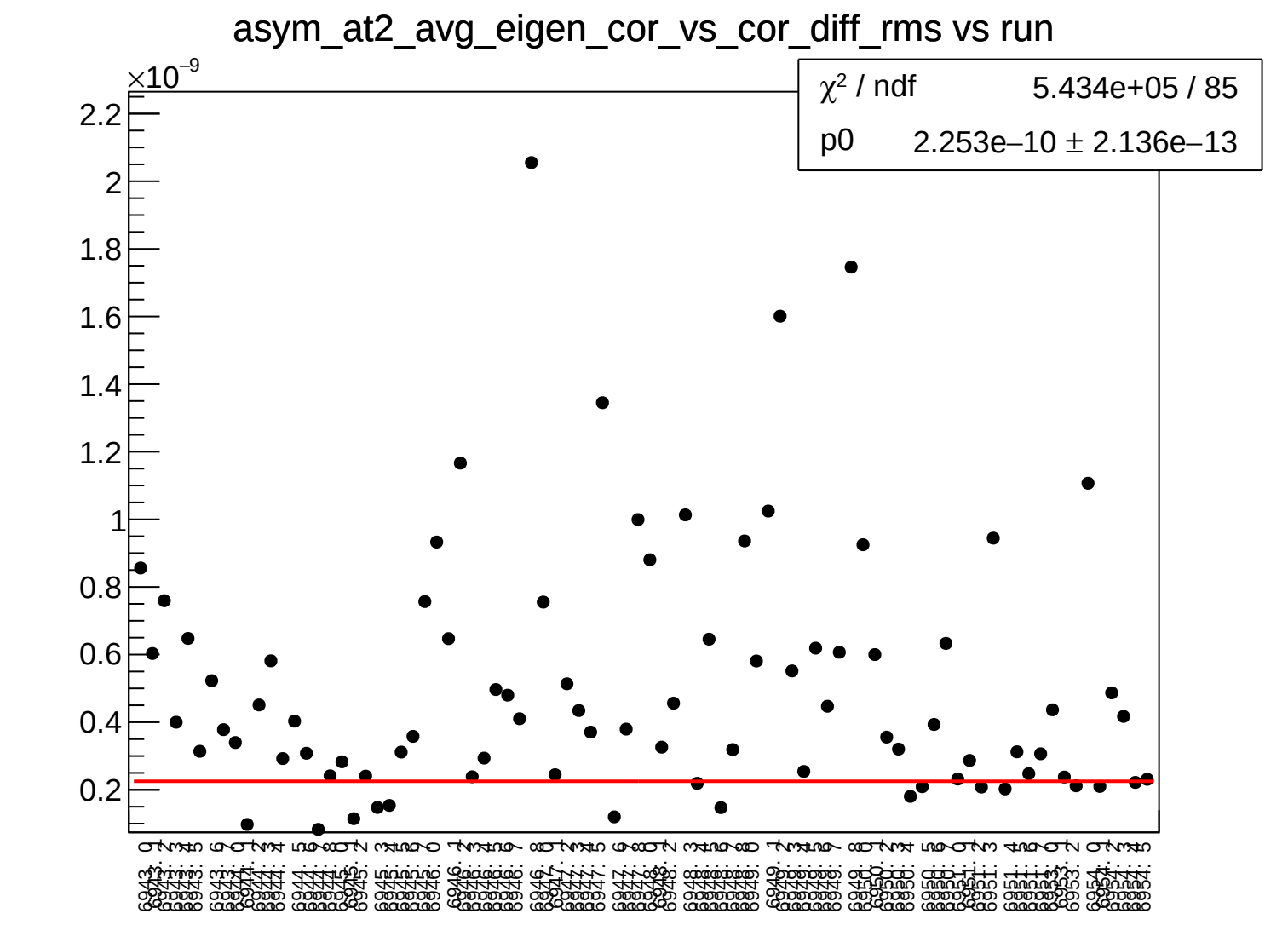

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.6 / 85
p0 0.4885 ± 0.7946
pull
Entries 86
Mean −103.9
Std Dev 0

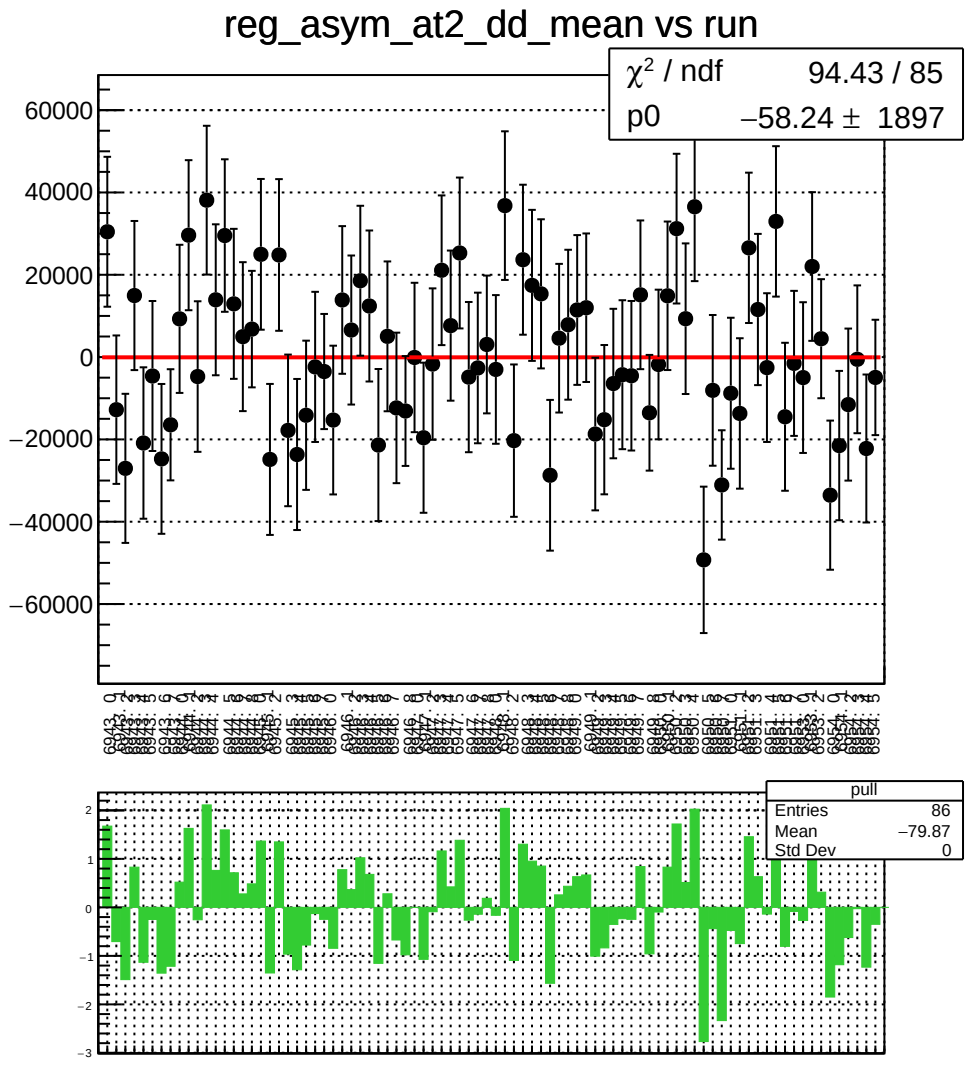

pull1D
Entries 86
Mean −0.004678
Std Dev 1.124

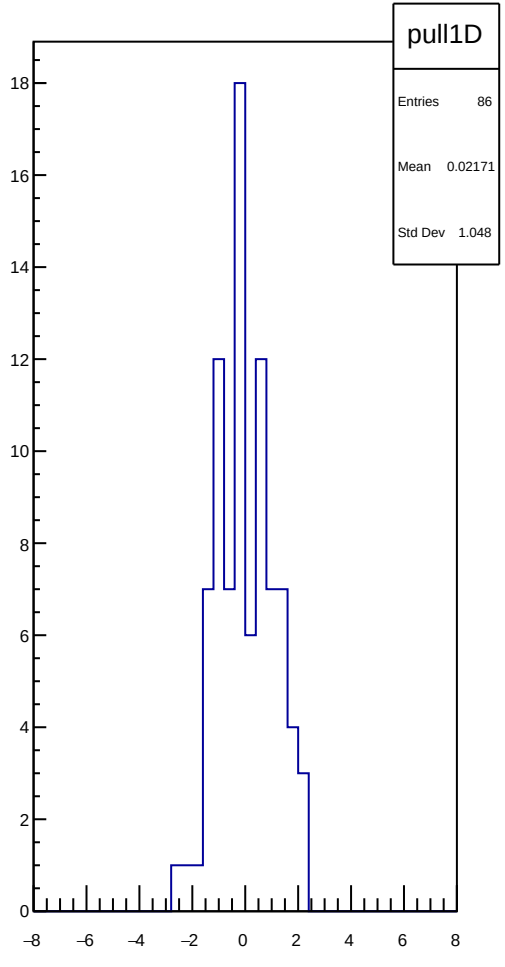

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+04 / 85
p0 720.6 ± 0.5619
900
850
800
750
700
650
600
550

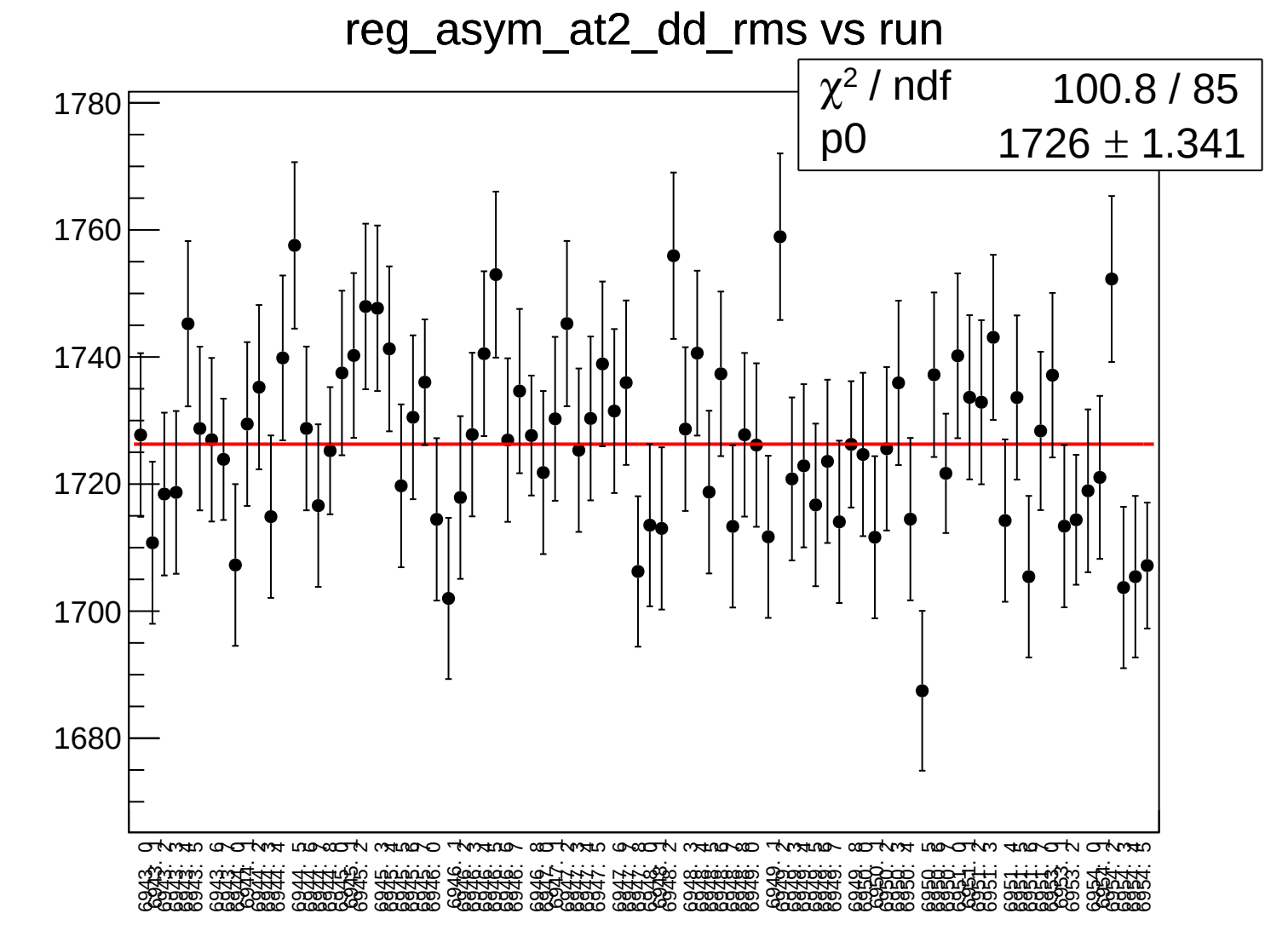

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 115.5 / 85
p0 2.412e−13 ± 3.02e−13
pull
Entries 86
Mean 44.29
Std Dev 31.68

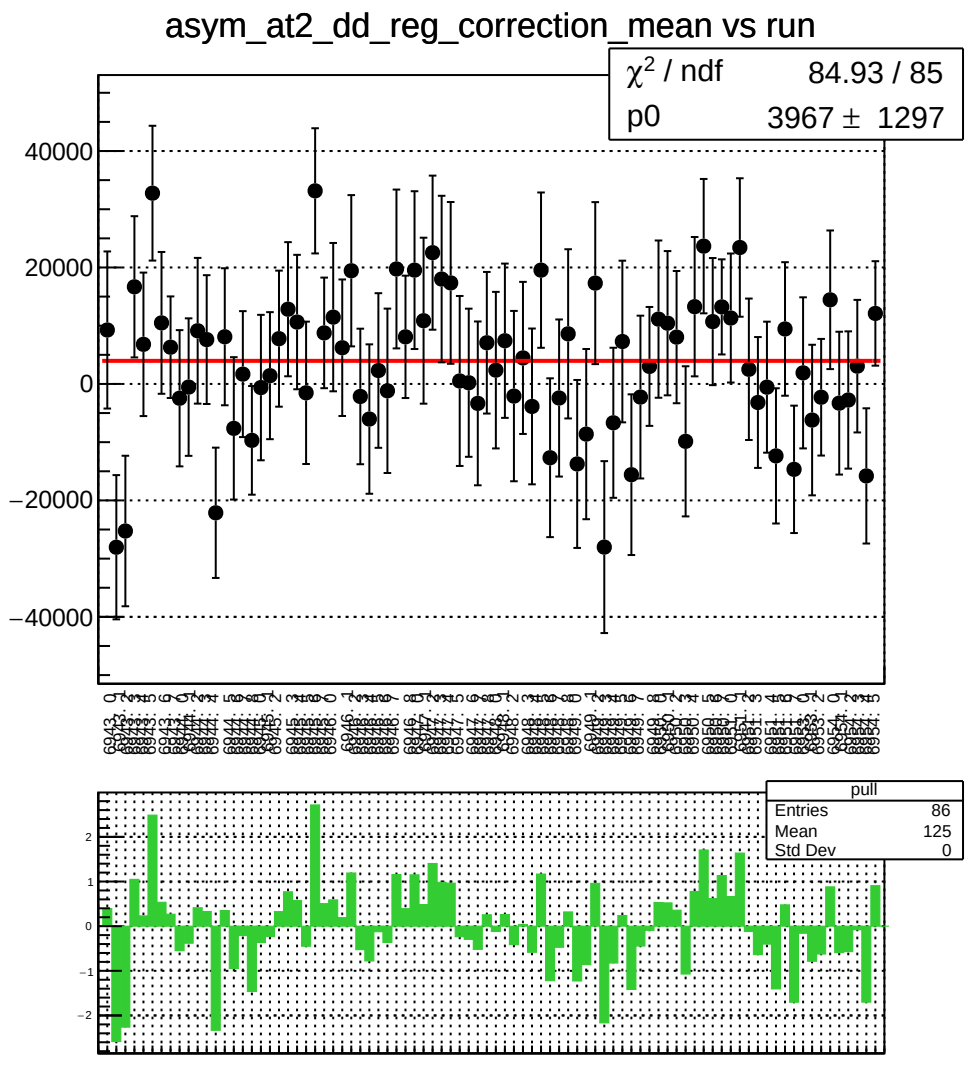

pull1D
Entries 86
Mean −0.1356
Std Dev 1.151

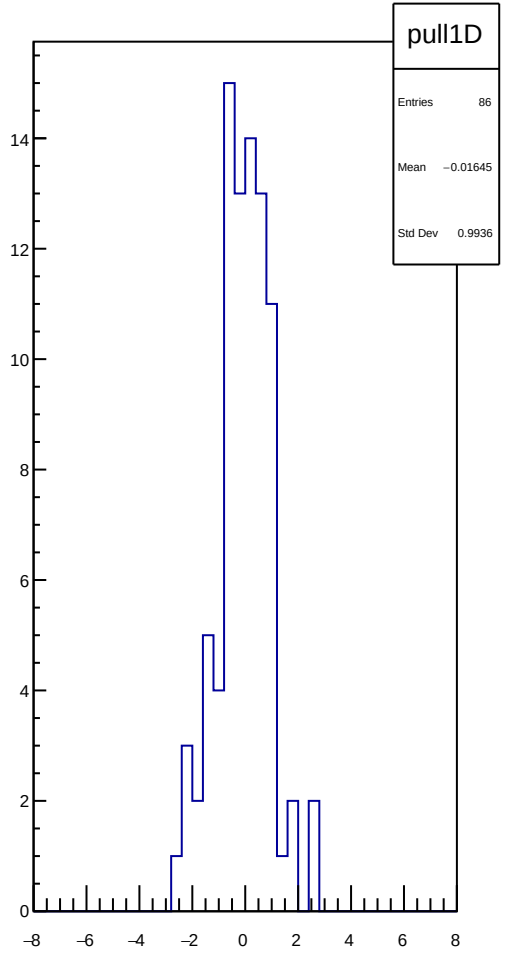

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.434e+05 / 85
p0 2.253e−10 ± 2.136e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

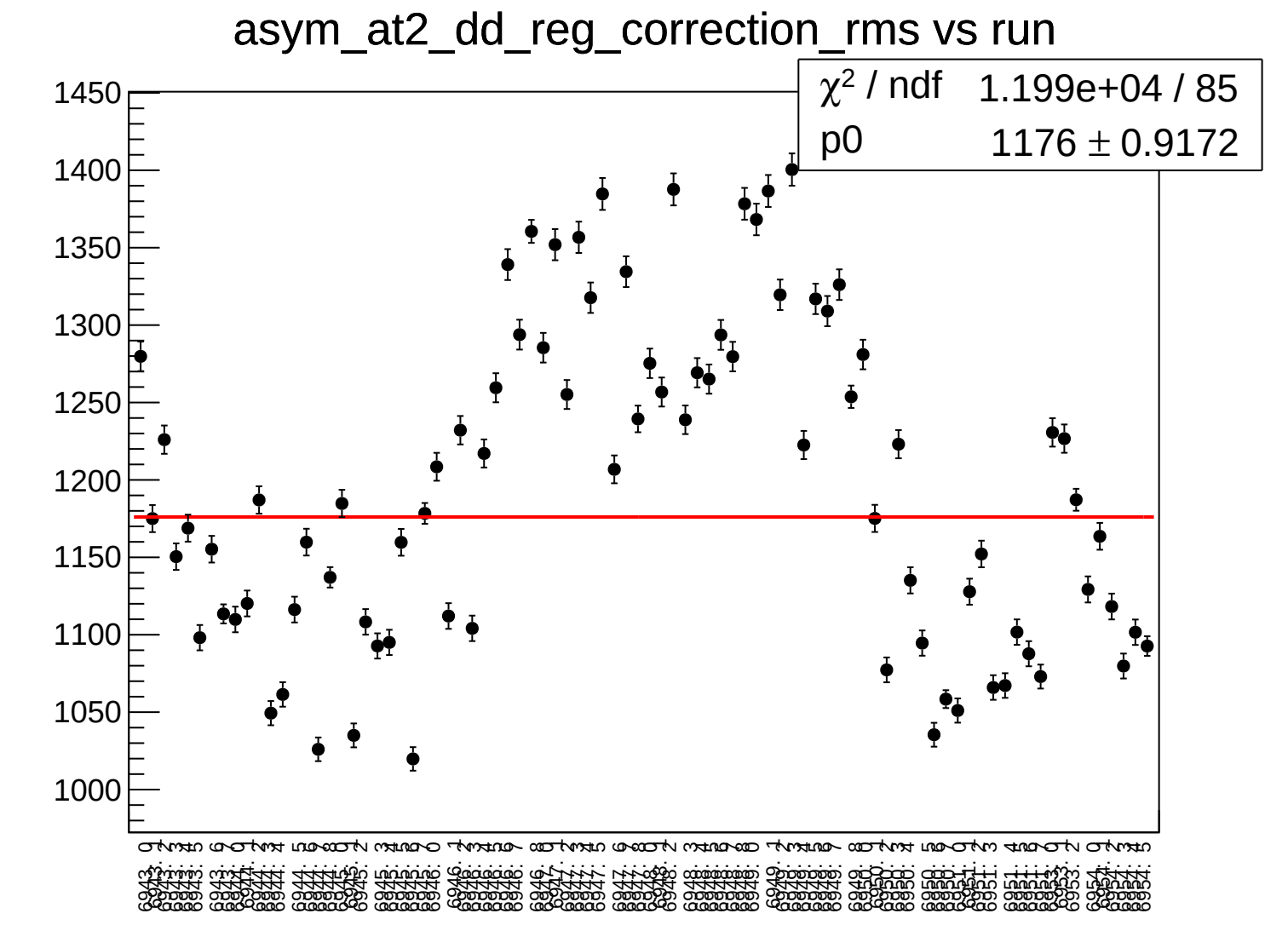

reg_asym_at2_dd_mean vs run
χ² / ndf 94.43 / 85
p0 −58.24 ± 1897
pull
Entries 86
Mean −79.87
Std Dev 0

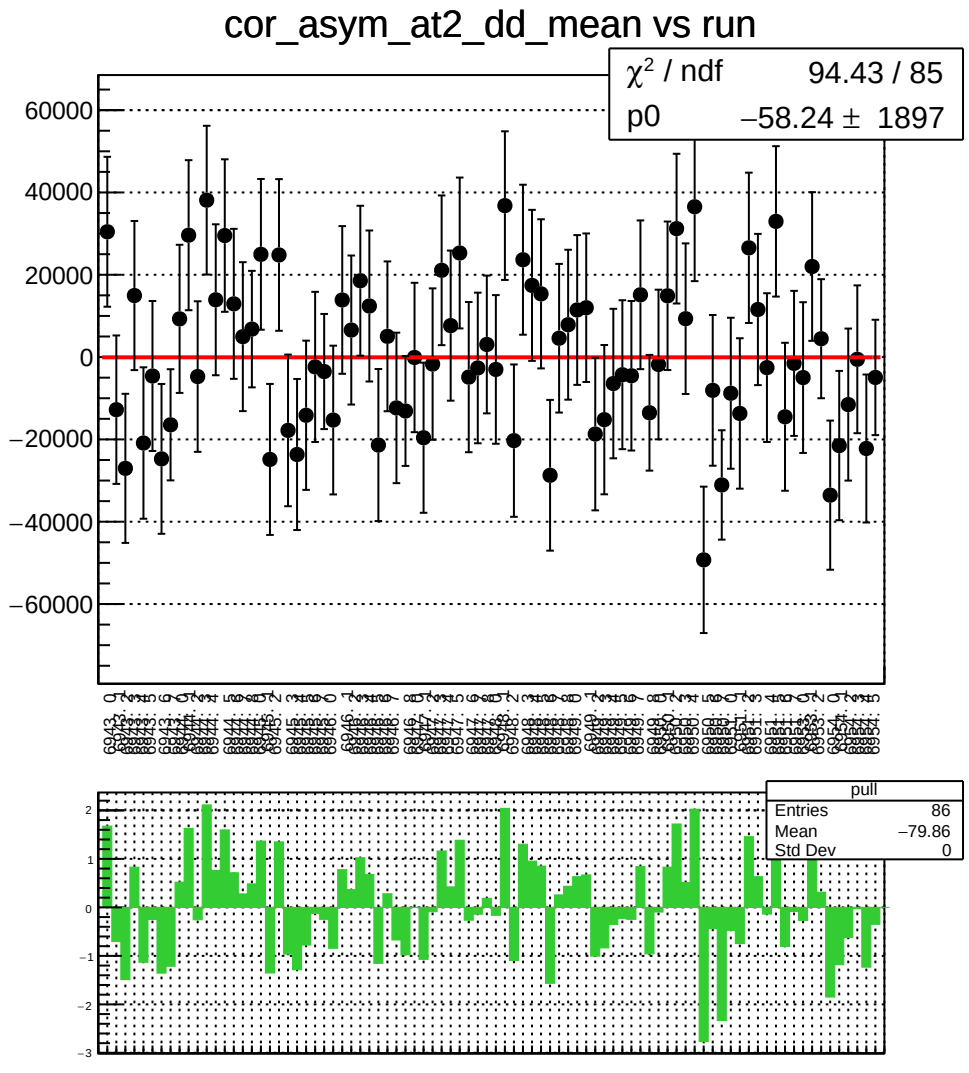

pull1D
Entries 86
Mean 0.02171
Std Dev 1.048

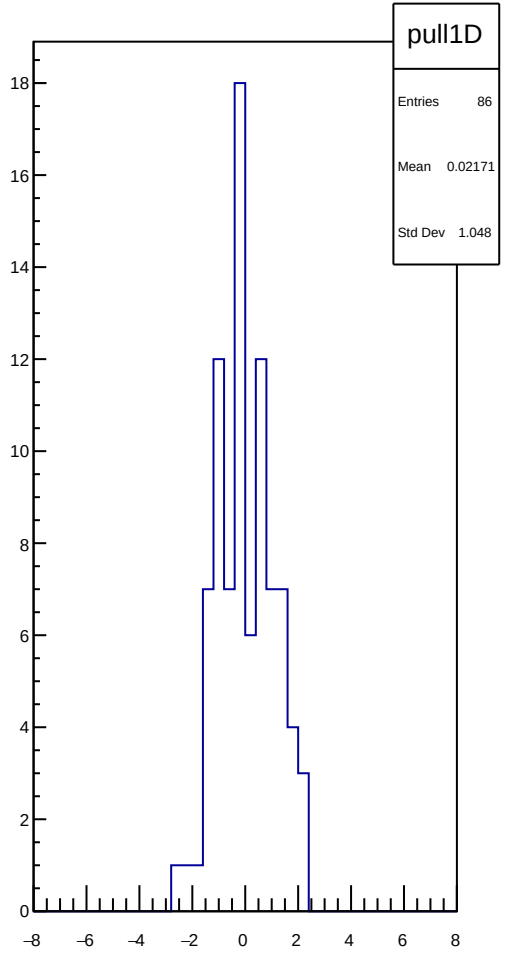

reg_asym_at2_dd_rms vs run
χ² / ndf 100.8 / 85
p0 1726 ± 1.341
1780
1760
1740
1720
1700
1680

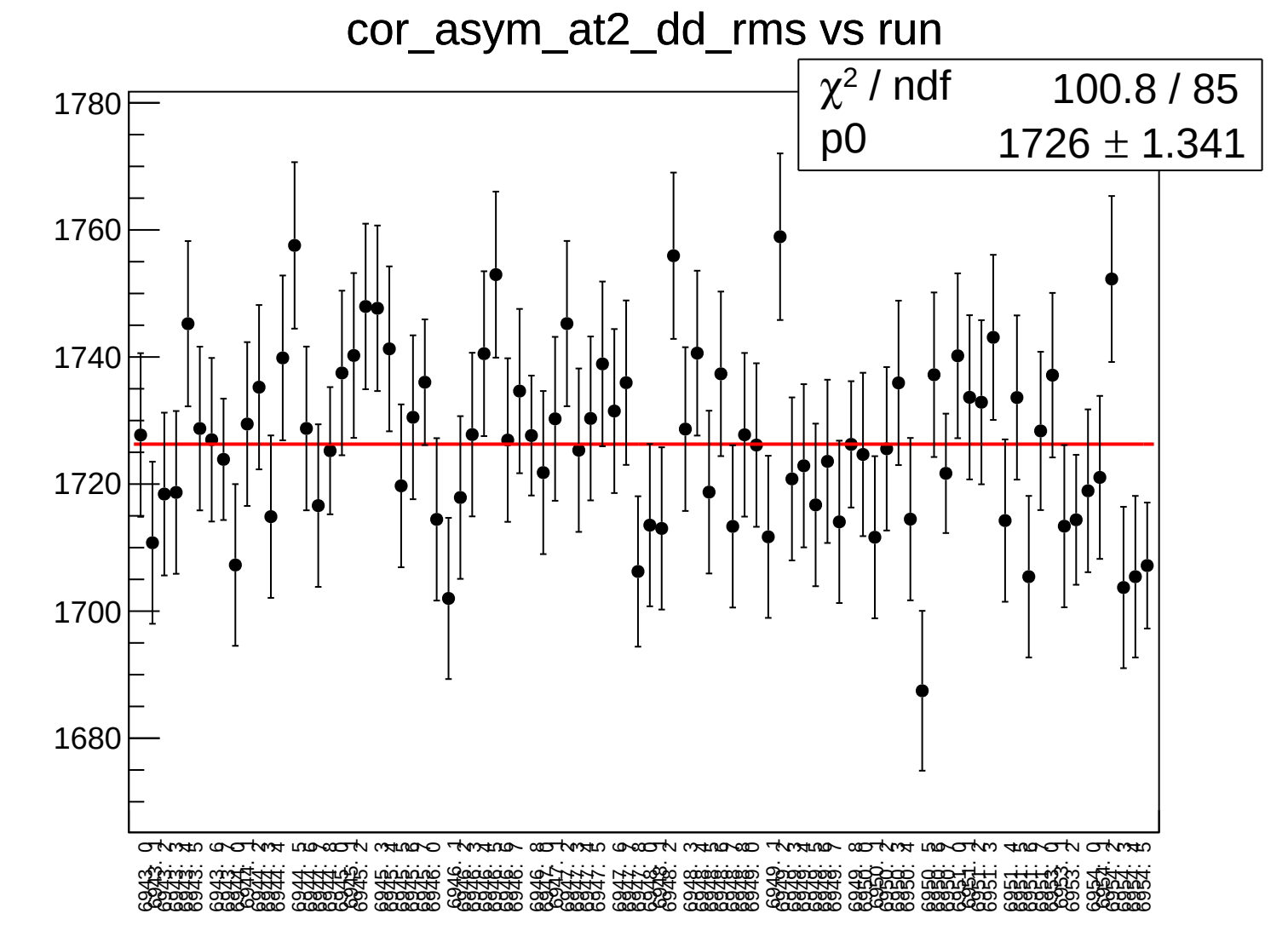

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 84.93 / 85
p0 3967 ± 1297
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 125
Std Dev 0
2
1
0
−1
−2

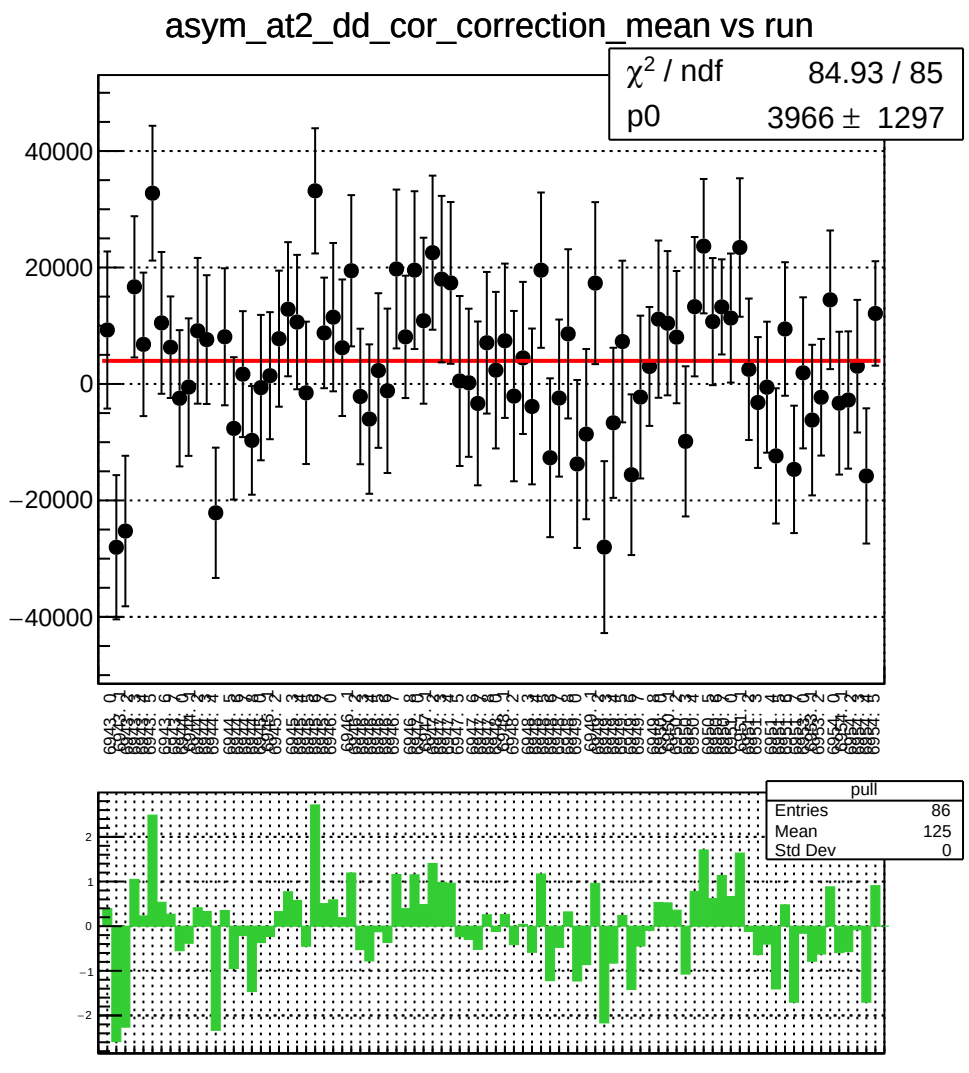

pull1D
Entries 86
Mean −0.01645
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

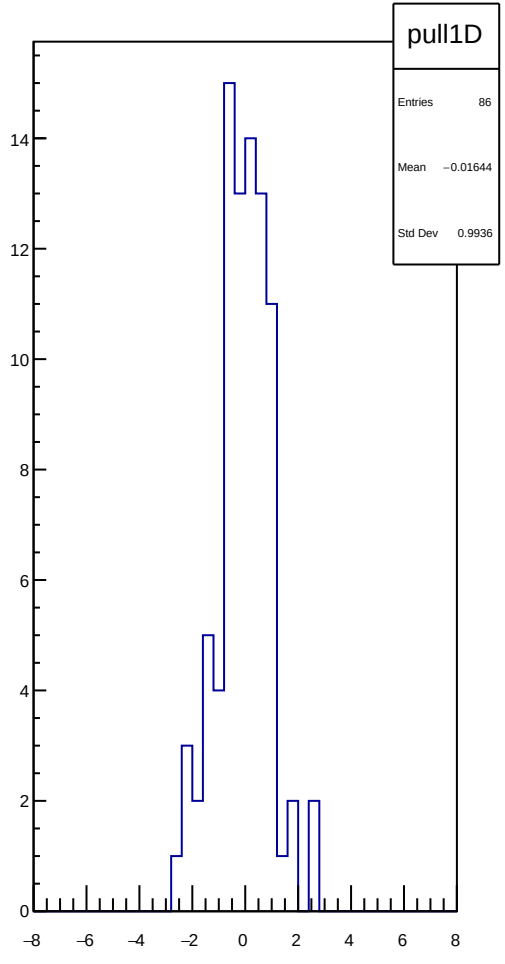

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1.199e+04 / 85
p0 1176 ± 0.9172
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

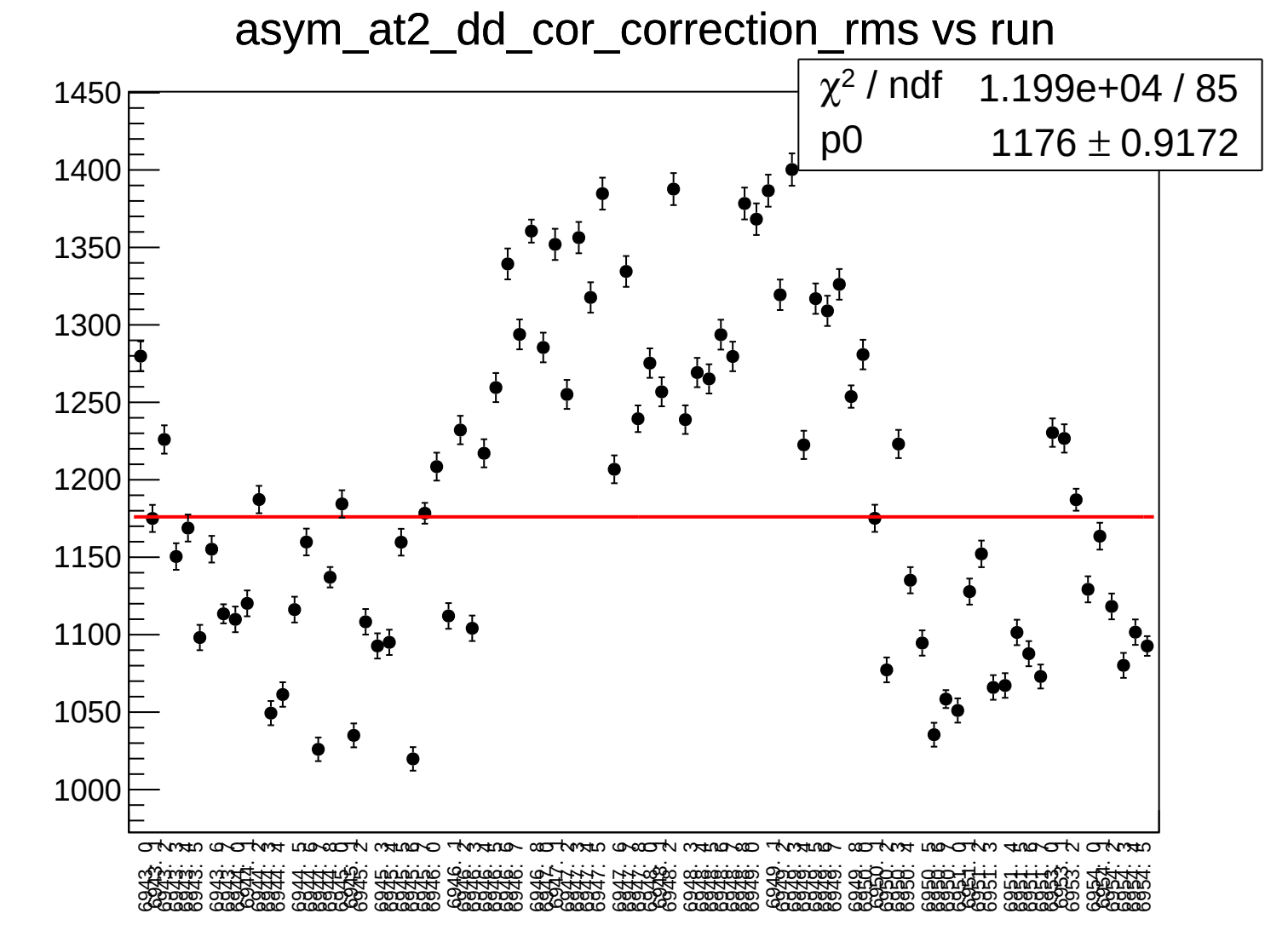

cor_asym_at2_dd_mean vs run
χ² / ndf 94.43 / 85
p0 −58.24 ± 1897
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −79.86
Std Dev 0
2
1
0
−1
−2
−3

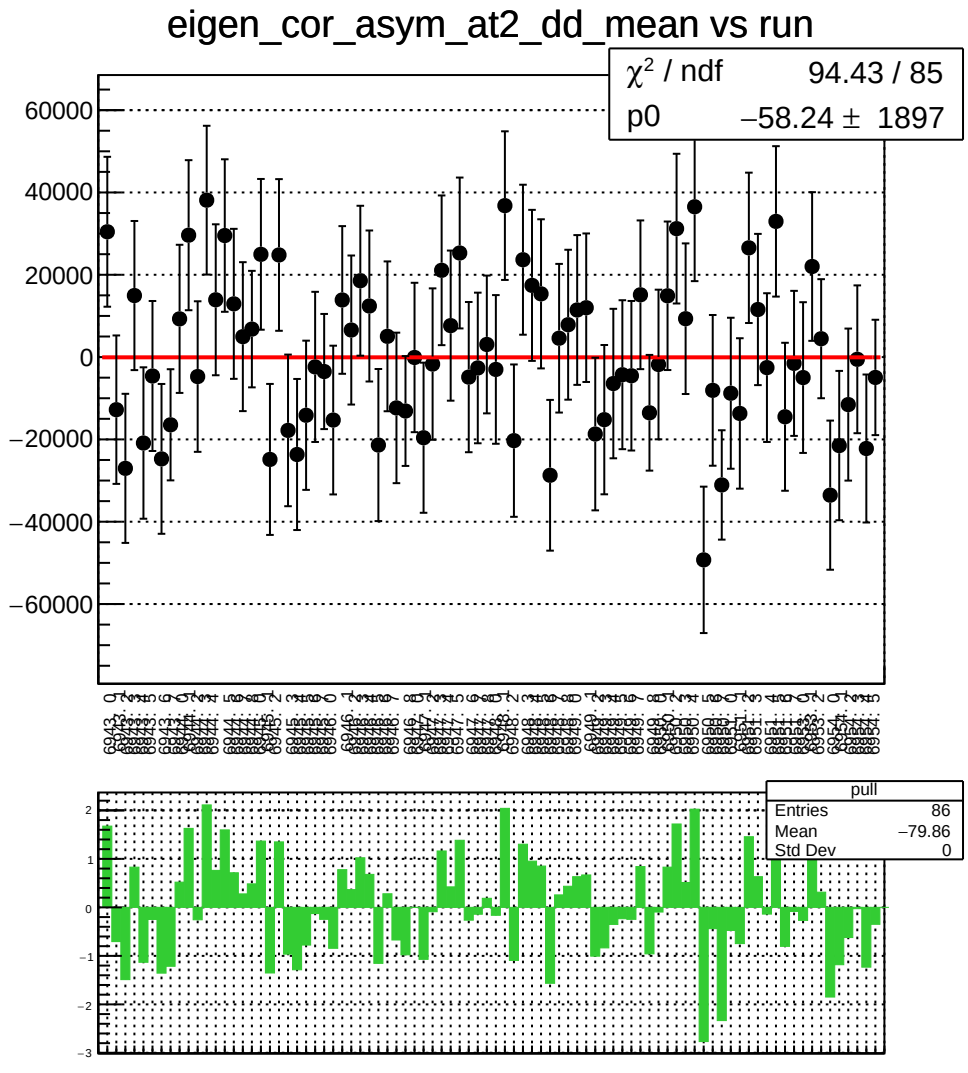

pull1D
Entries 86
Mean 0.02171
Std Dev 1.048
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

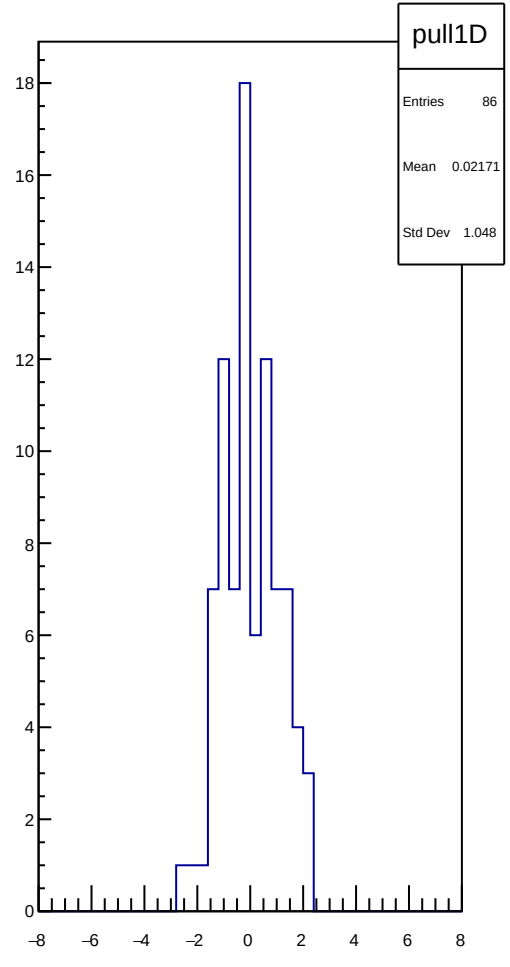

cor_asym_at2_dd_rms vs run
χ² / ndf 100.8 / 85
p0 1726 ± 1.341
1780
1760
1740
1720
1700
1680


asym_at2_dd_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 3966 ± 1297
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 125
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01644
Std Dev 0.9936
14
12
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 1.199e+04 / 85
p0 1176 ± 0.9172
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 94.43 / 85
p0 −58.24 ± 1897
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −79.86
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean 0.02171
Std Dev 1.048
18
16
14
12
10
8
6
4
2
0
−8
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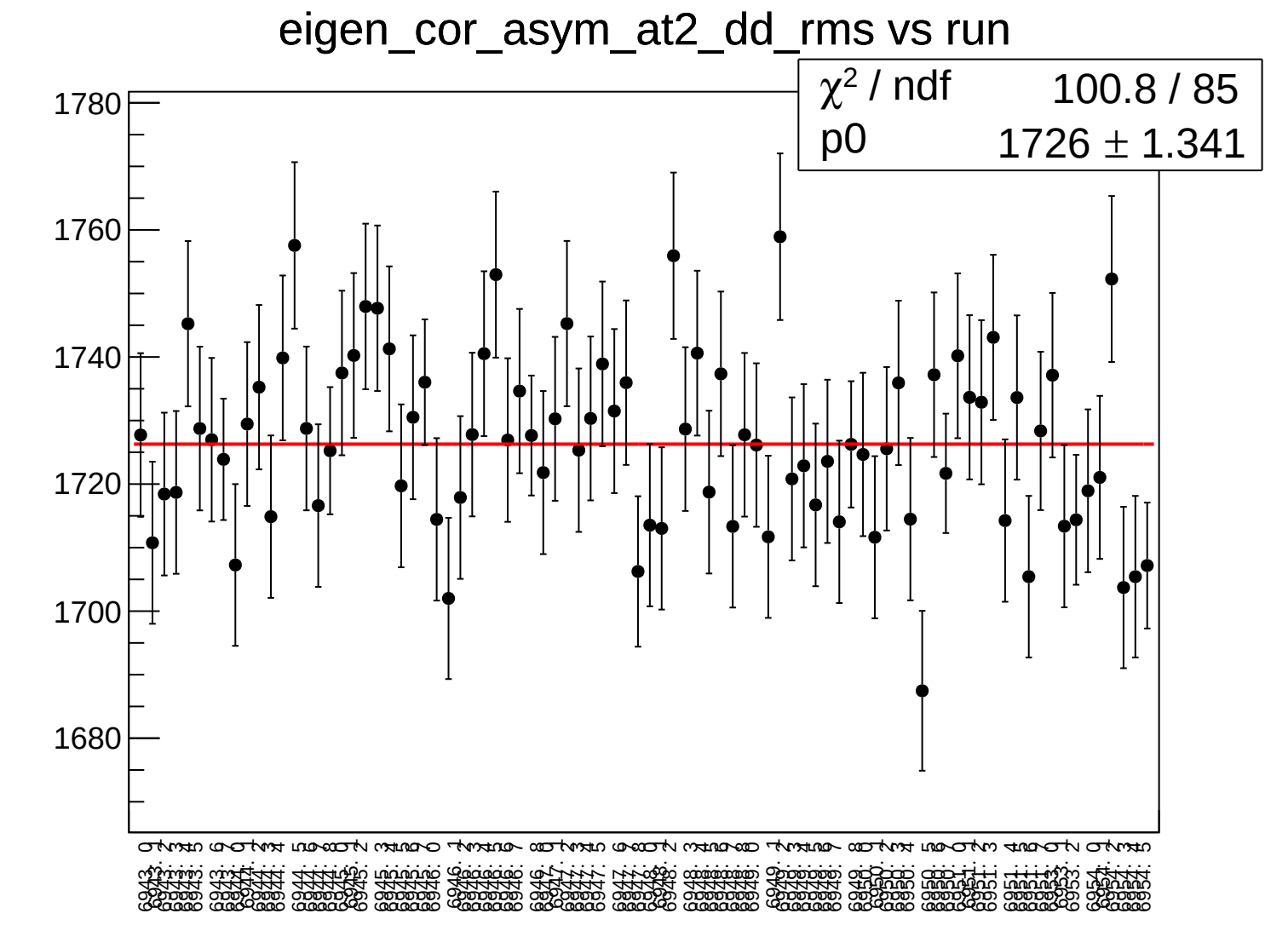
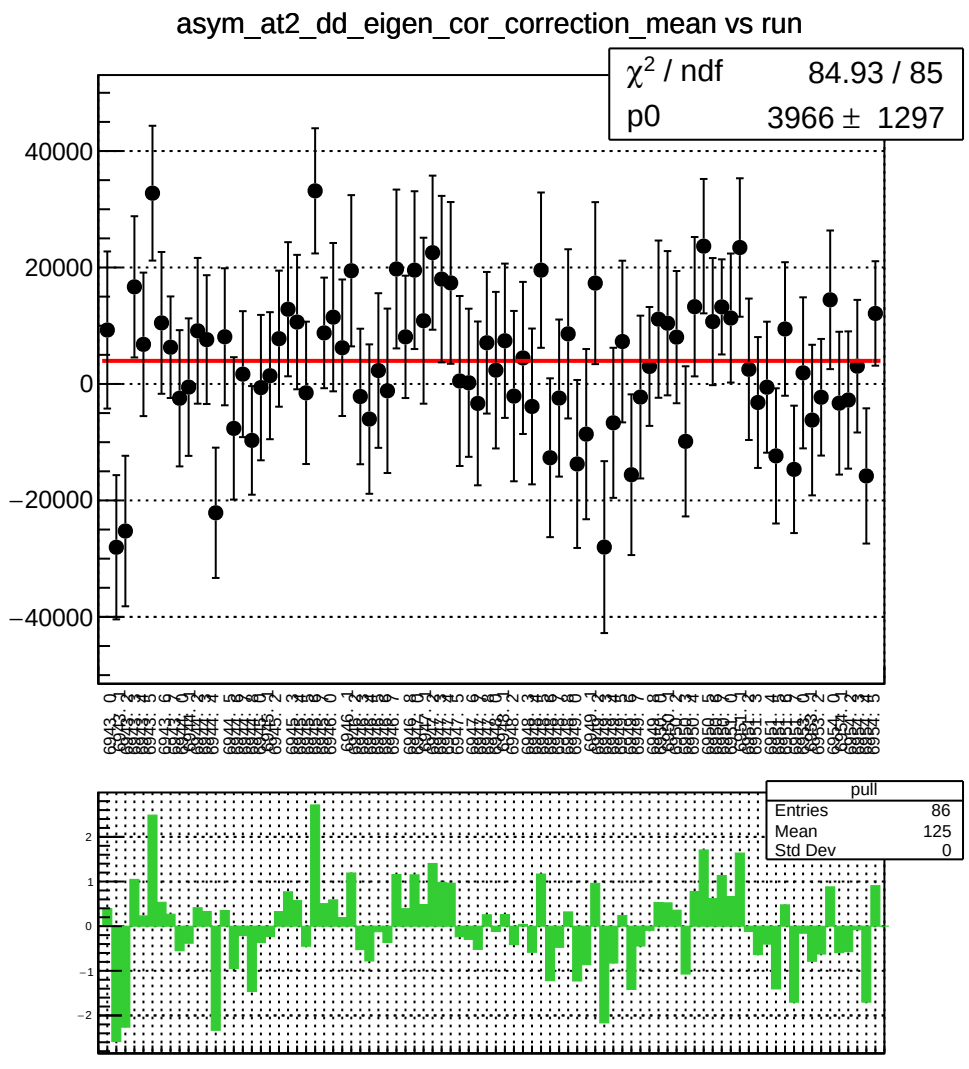
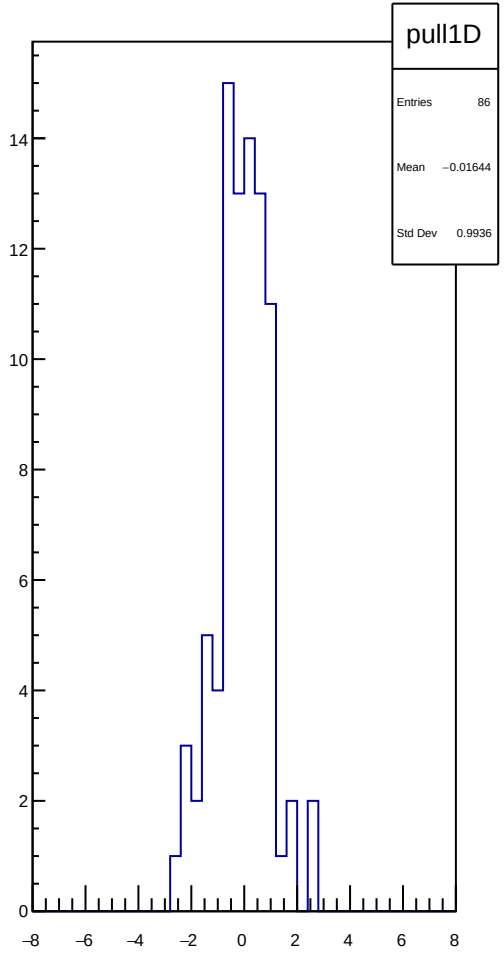
2
4
6
8


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 100.8 / 85
p0 1726 ± 1.341
1780
1760
1740
1720
1700
1680


asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 3966 ± 1297
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 125
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01644
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
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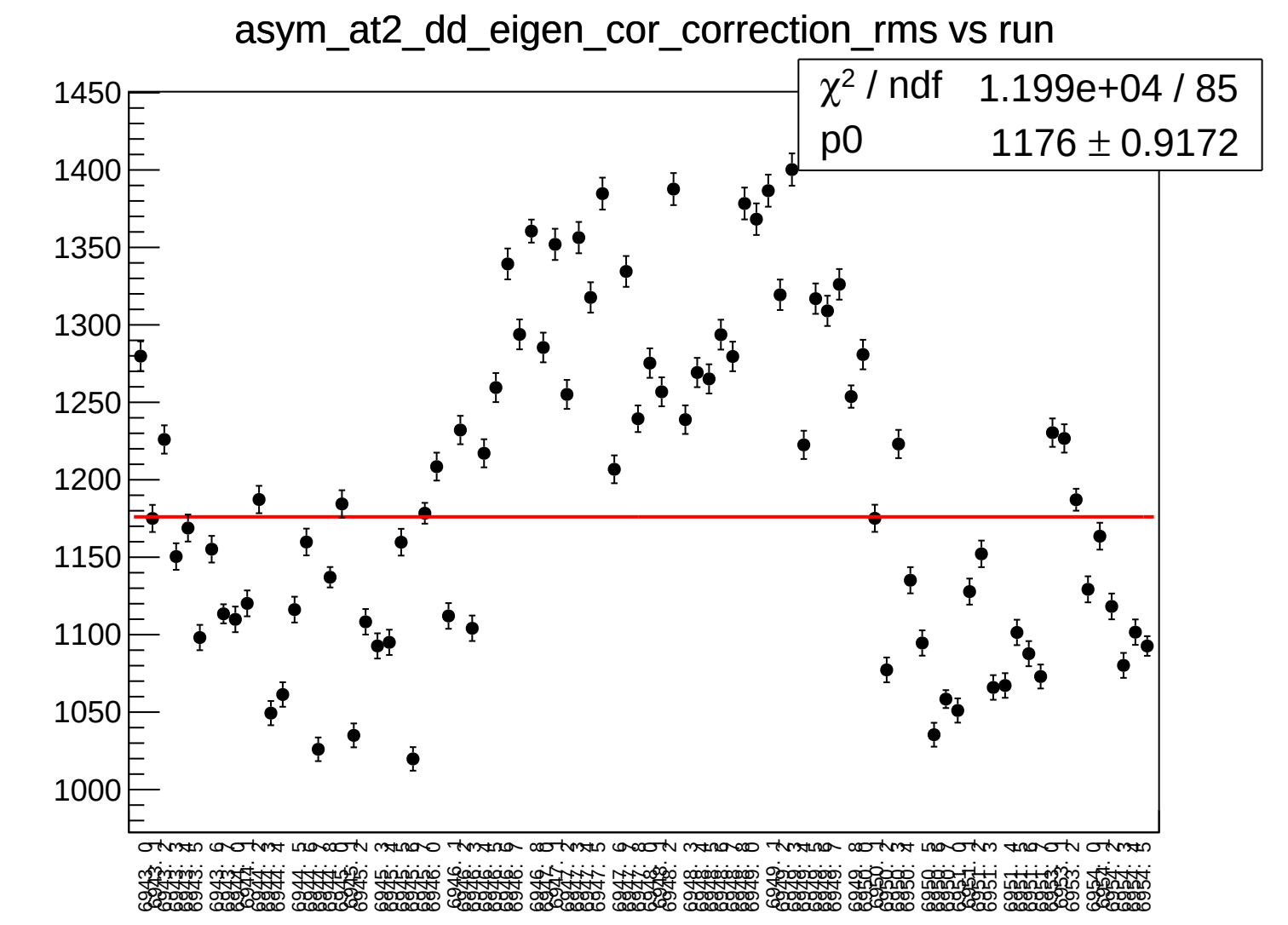
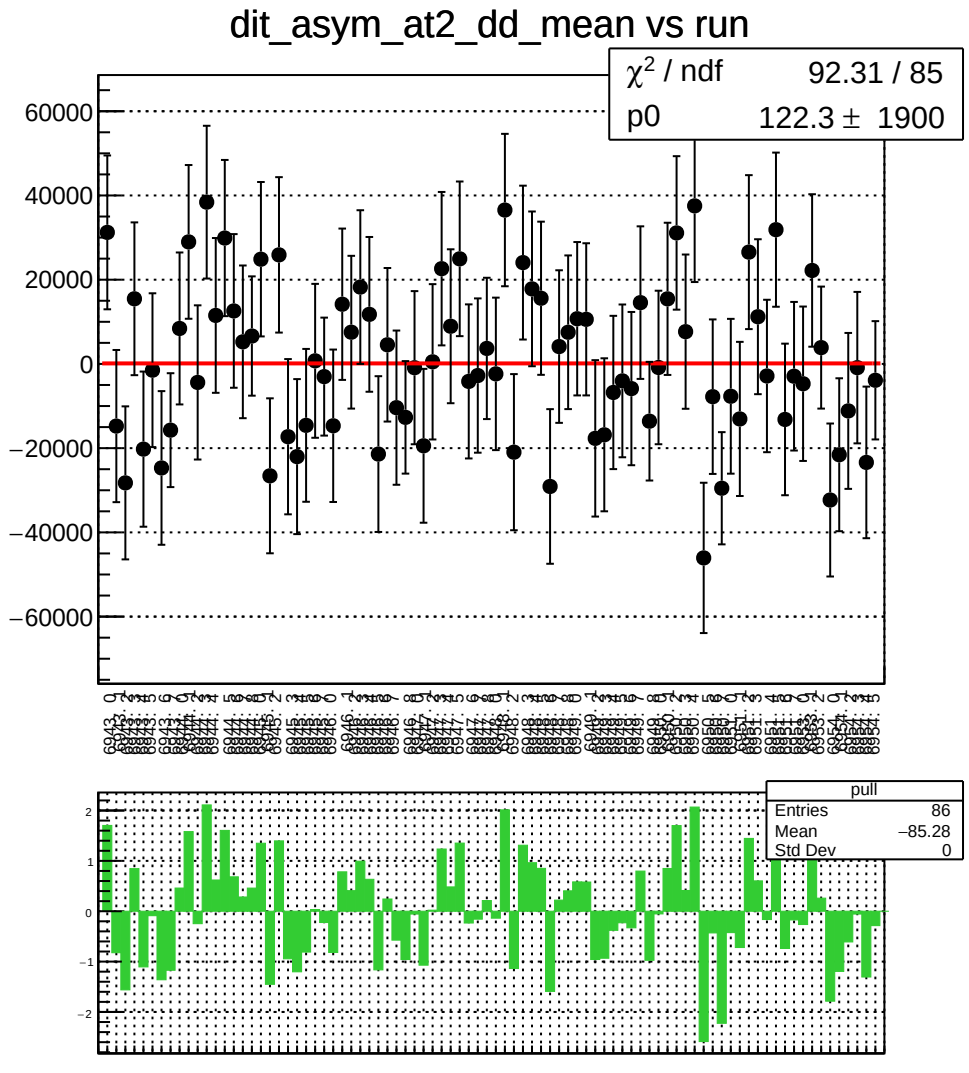
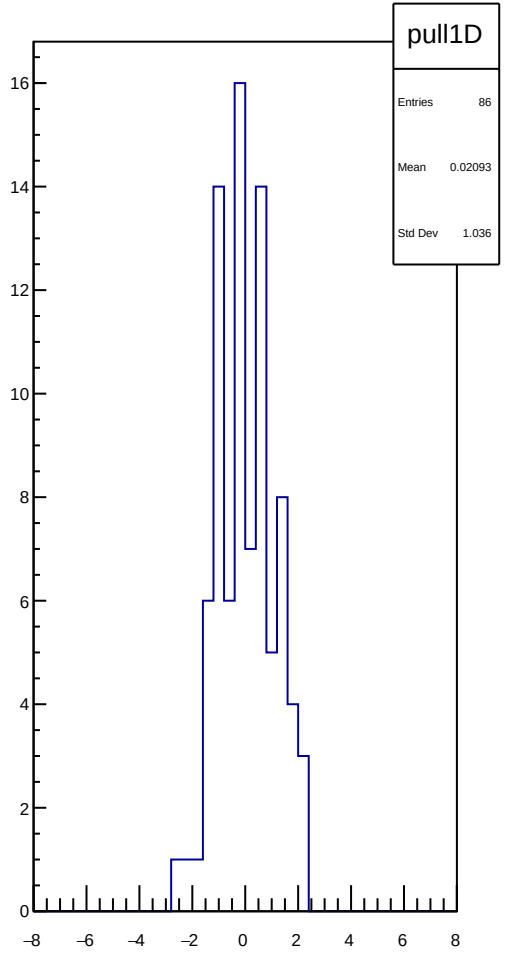
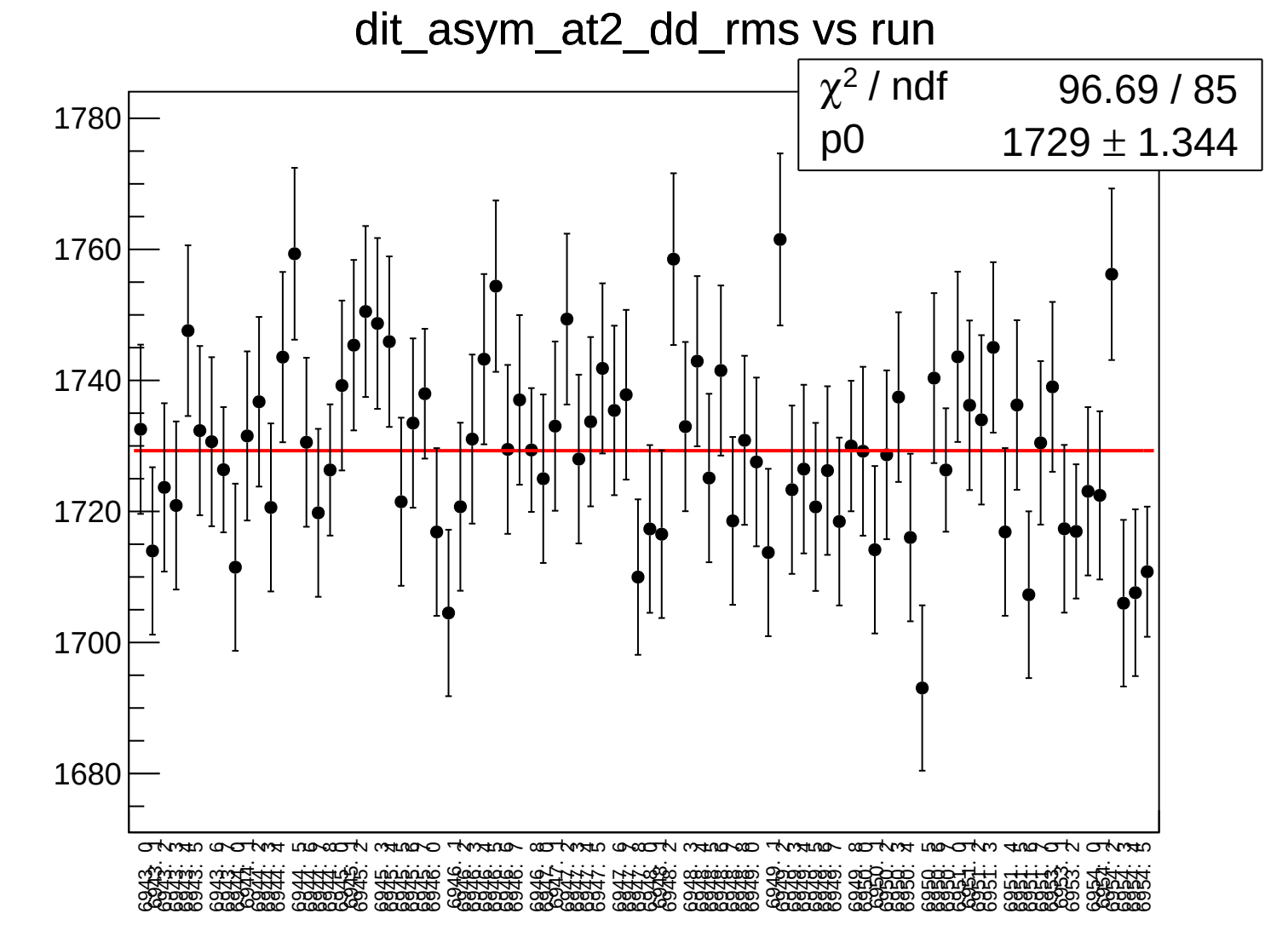
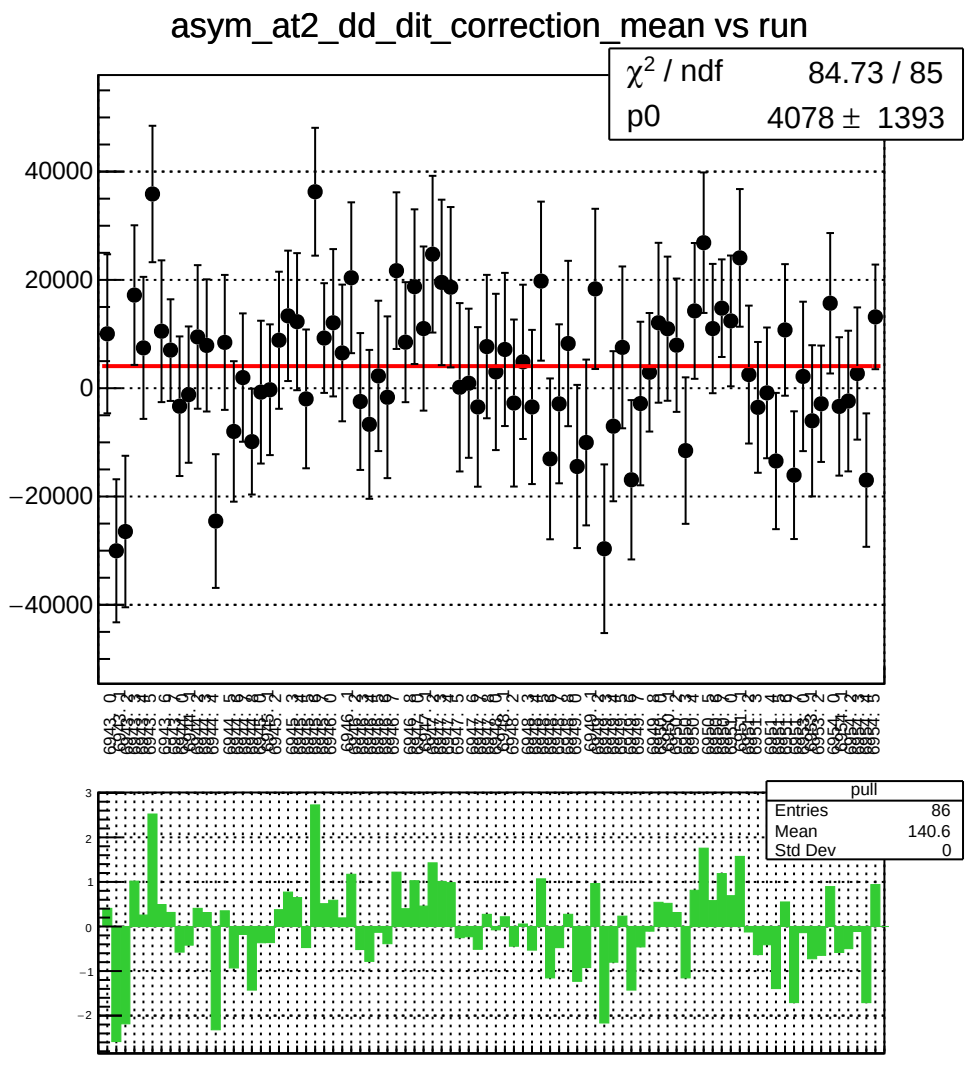
2
4
6
8

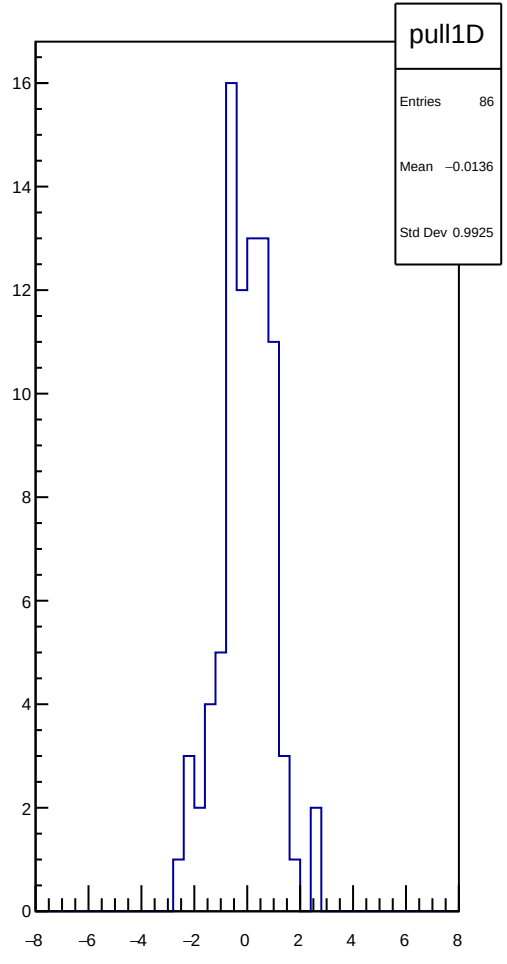

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.199e+04 / 85
p0 1176 ± 0.9172
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

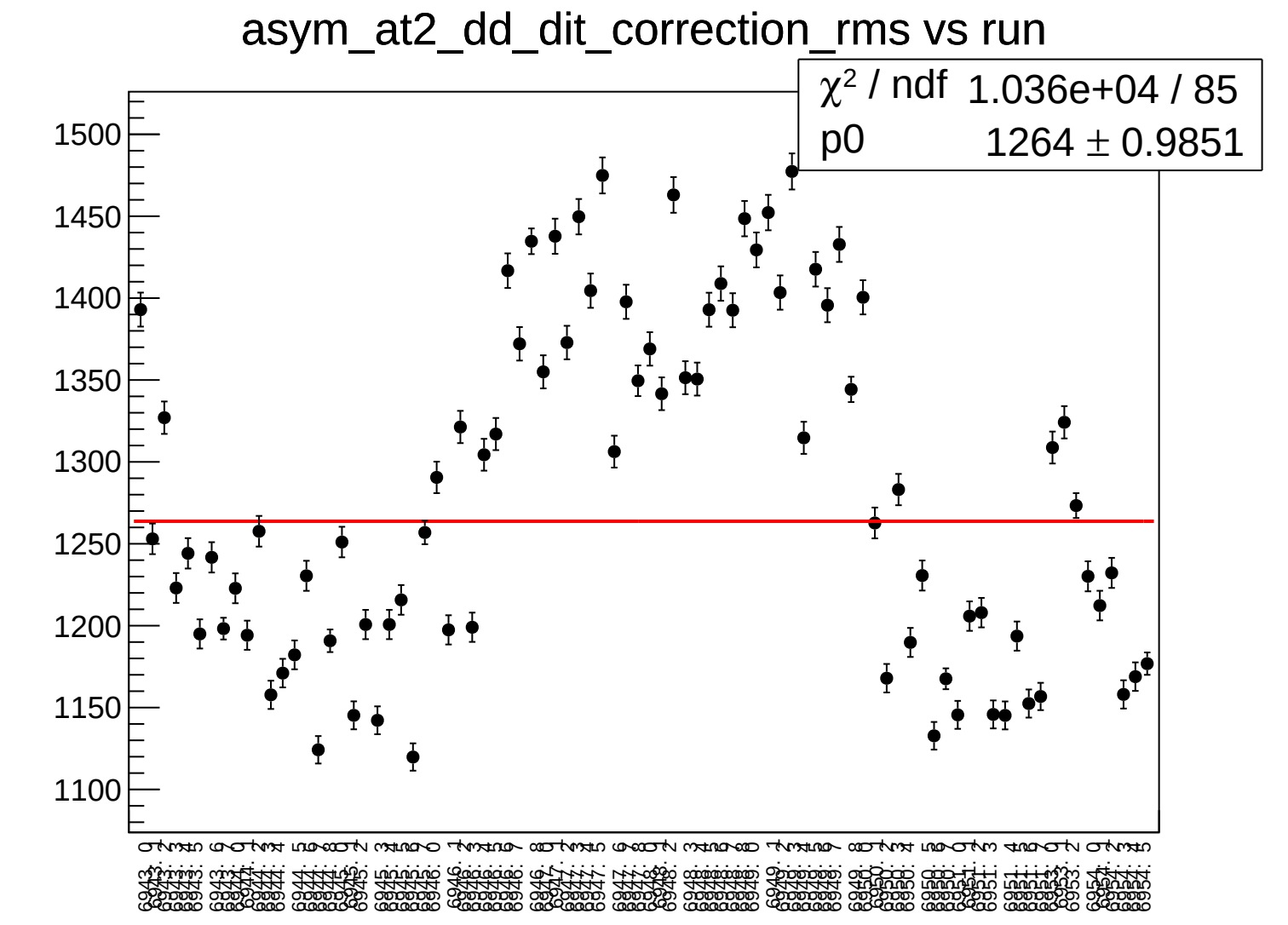

dit_asym_at2_dd_mean vs run
χ² / ndf 92.31 / 85
p0 122.3 ± 1900
pull
Entries 86
Mean −85.28
Std Dev 0

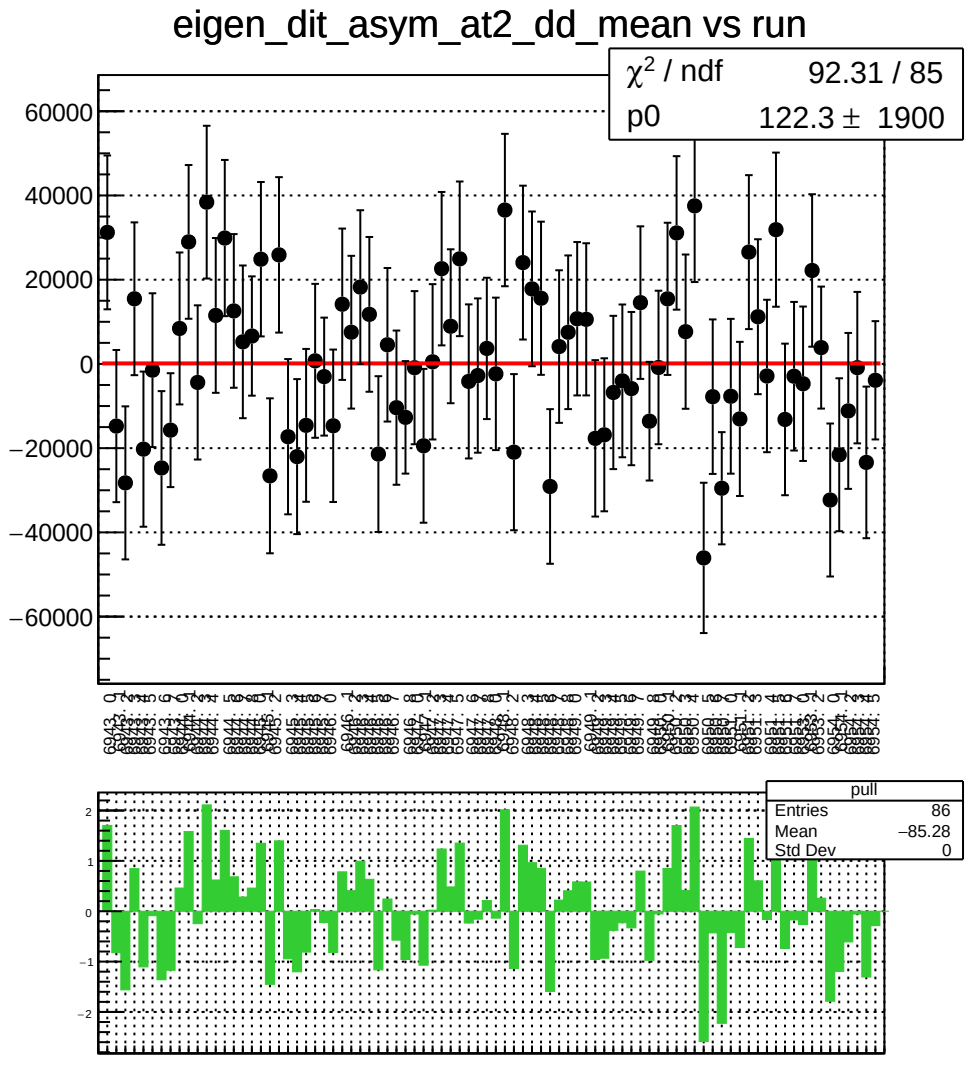

pull1D
Entries 86
Mean 0.02093
Std Dev 1.036

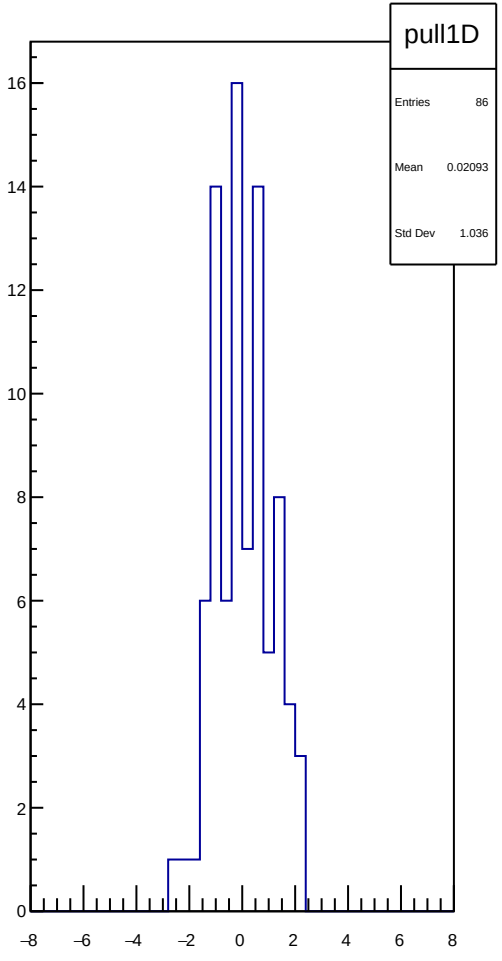

dit_asym_at2_dd_rms vs run
χ^2 / ndf 96.69 / 85
p0 1729 ± 1.344
1780
1760
1740
1720
1700
1680

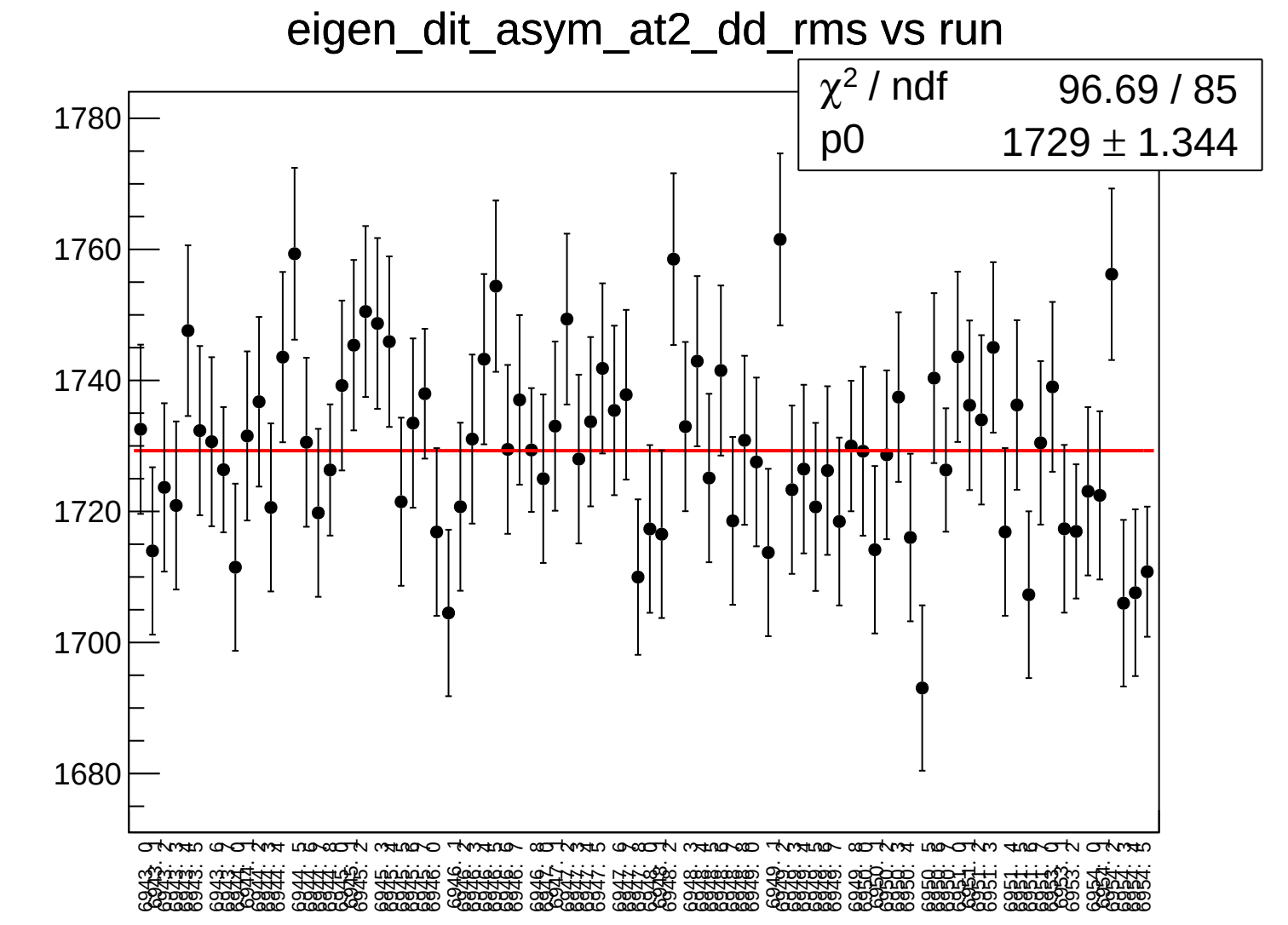

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 84.73 / 85
p0 4078 ± 1393
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 140.6
Std Dev 0
3
2
1
0
−1
−2

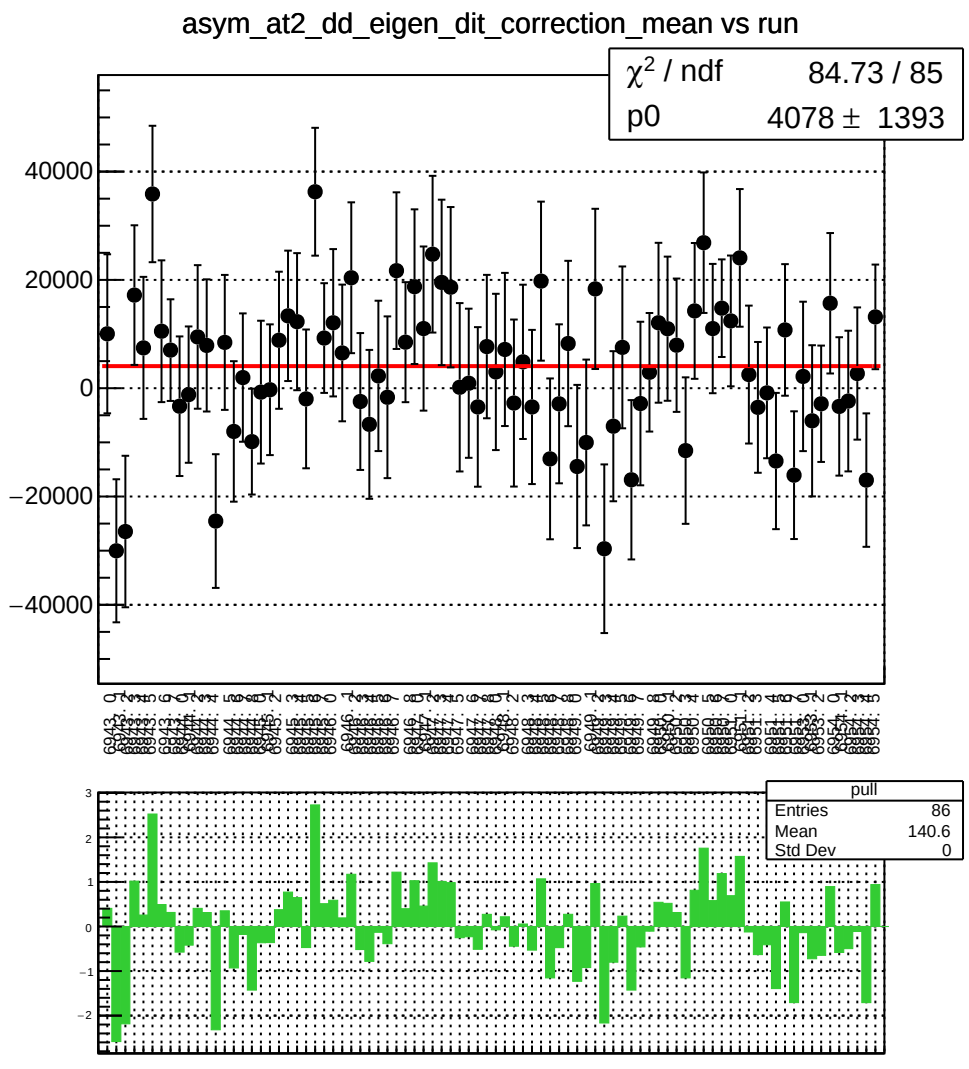

pull1D
Entries 86
Mean −0.0136
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

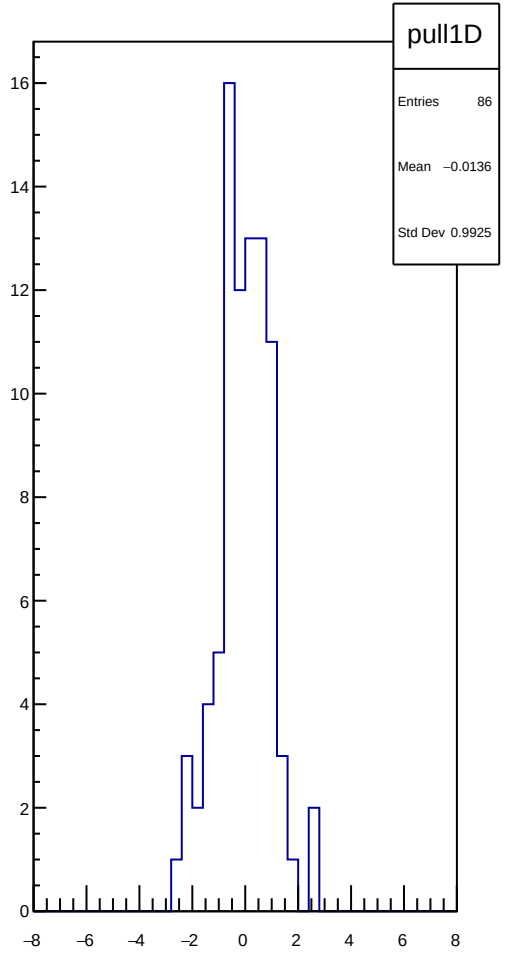

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 1.036e+04 / 85
p0 1264 ± 0.9851
1500
1450
1400
1350
1300
1250
1200
1150
1100

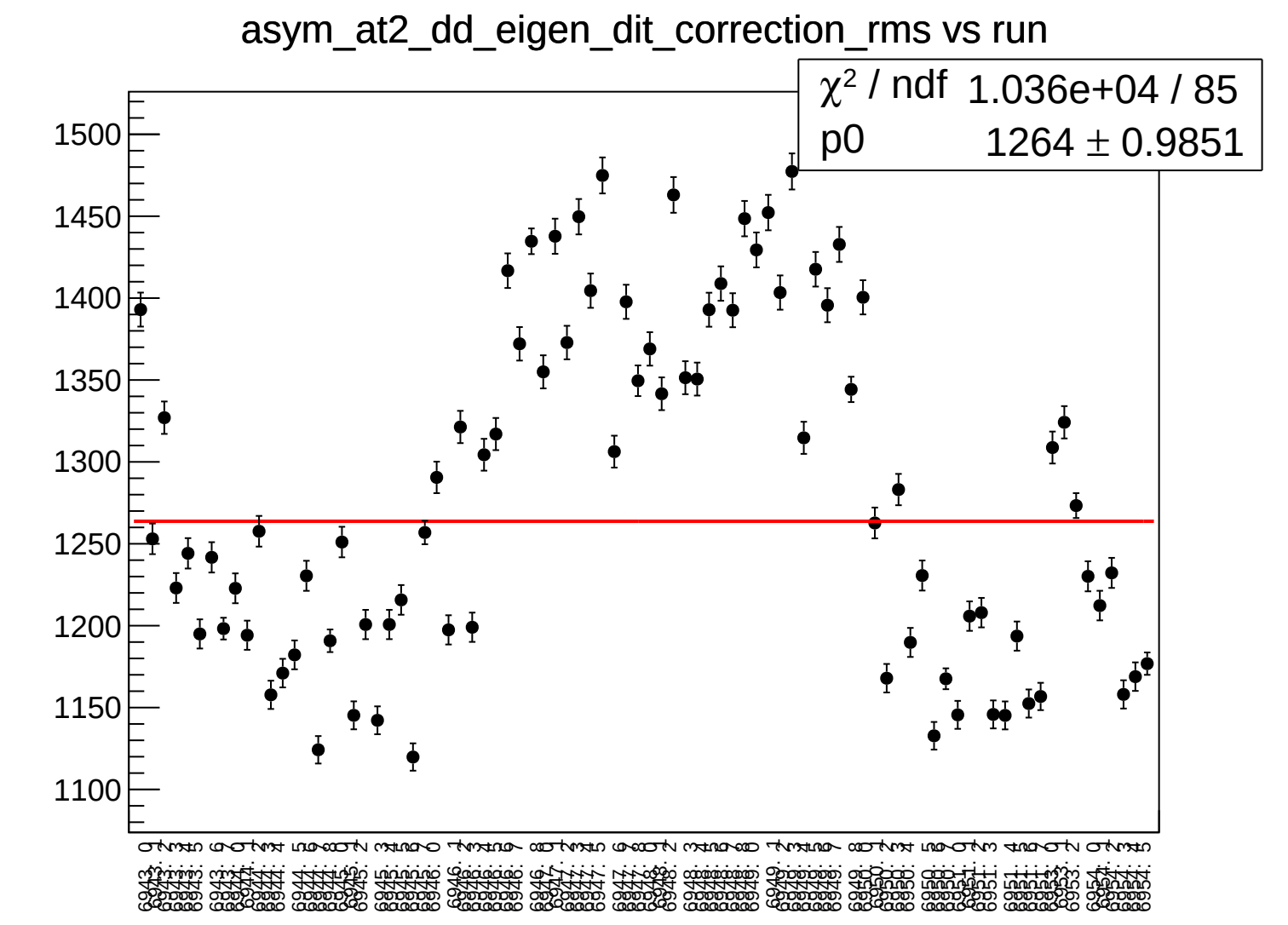

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 92.31 / 85
p0 122.3 ± 1900
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −85.28
Std Dev 0
2
1
0
−1
−2

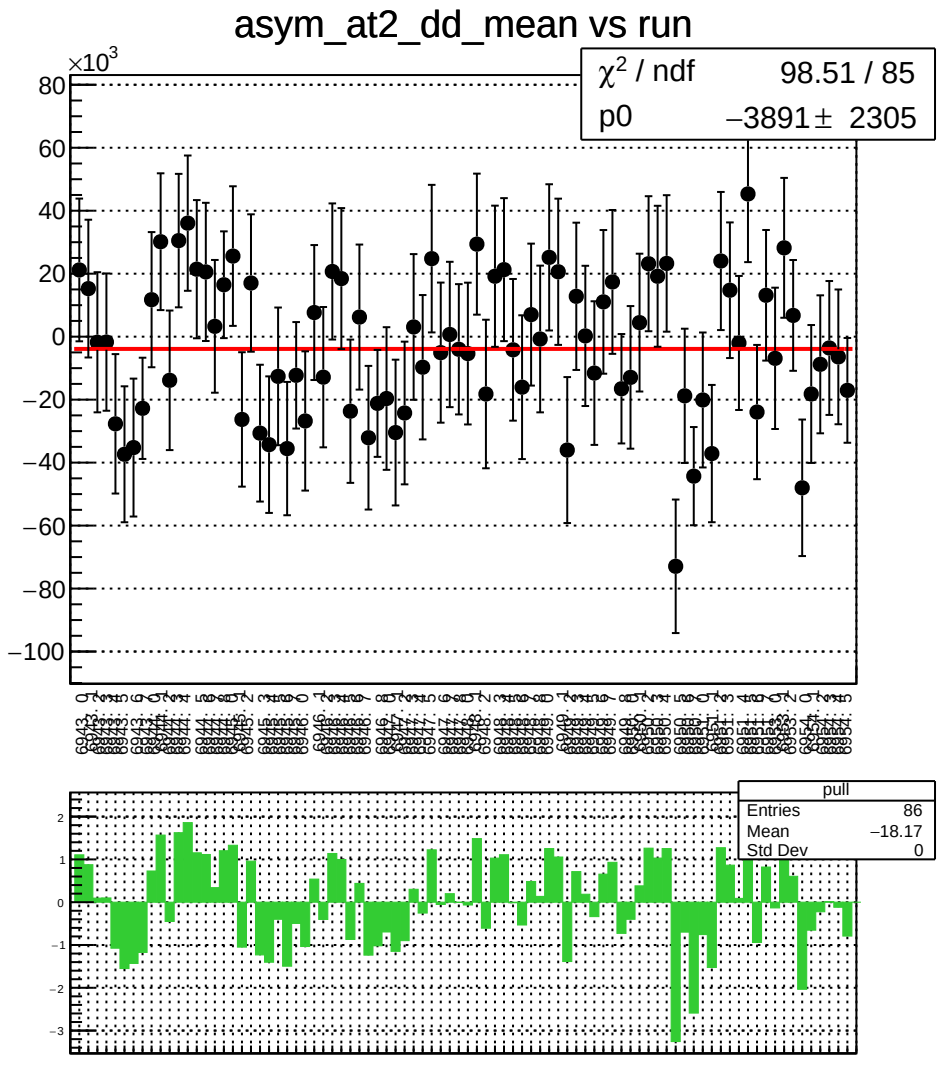

pull1D
Entries 86
Mean 0.02093
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

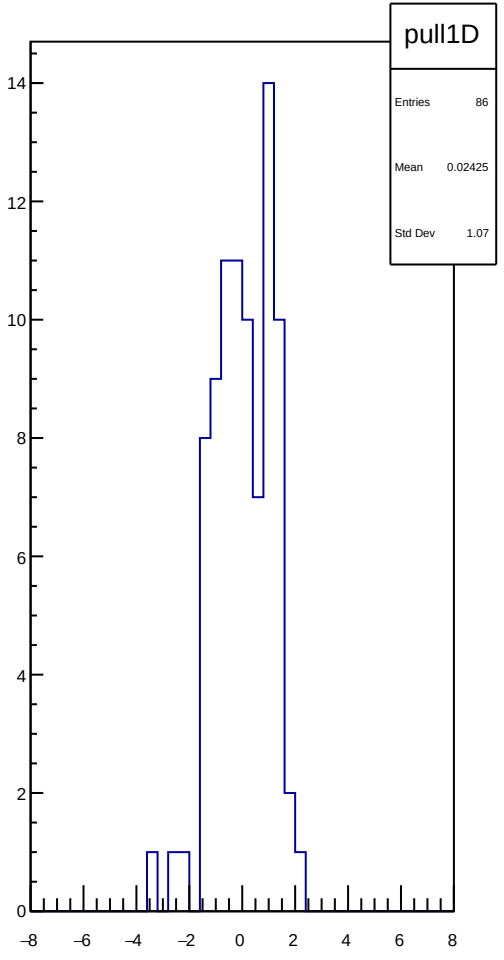

eigen_dit_asym_at2_dd_rms vs run
χ^2 / ndf 96.69 / 85
p0 1729 ± 1.344
1780
1760
1740
1720
1700
1680

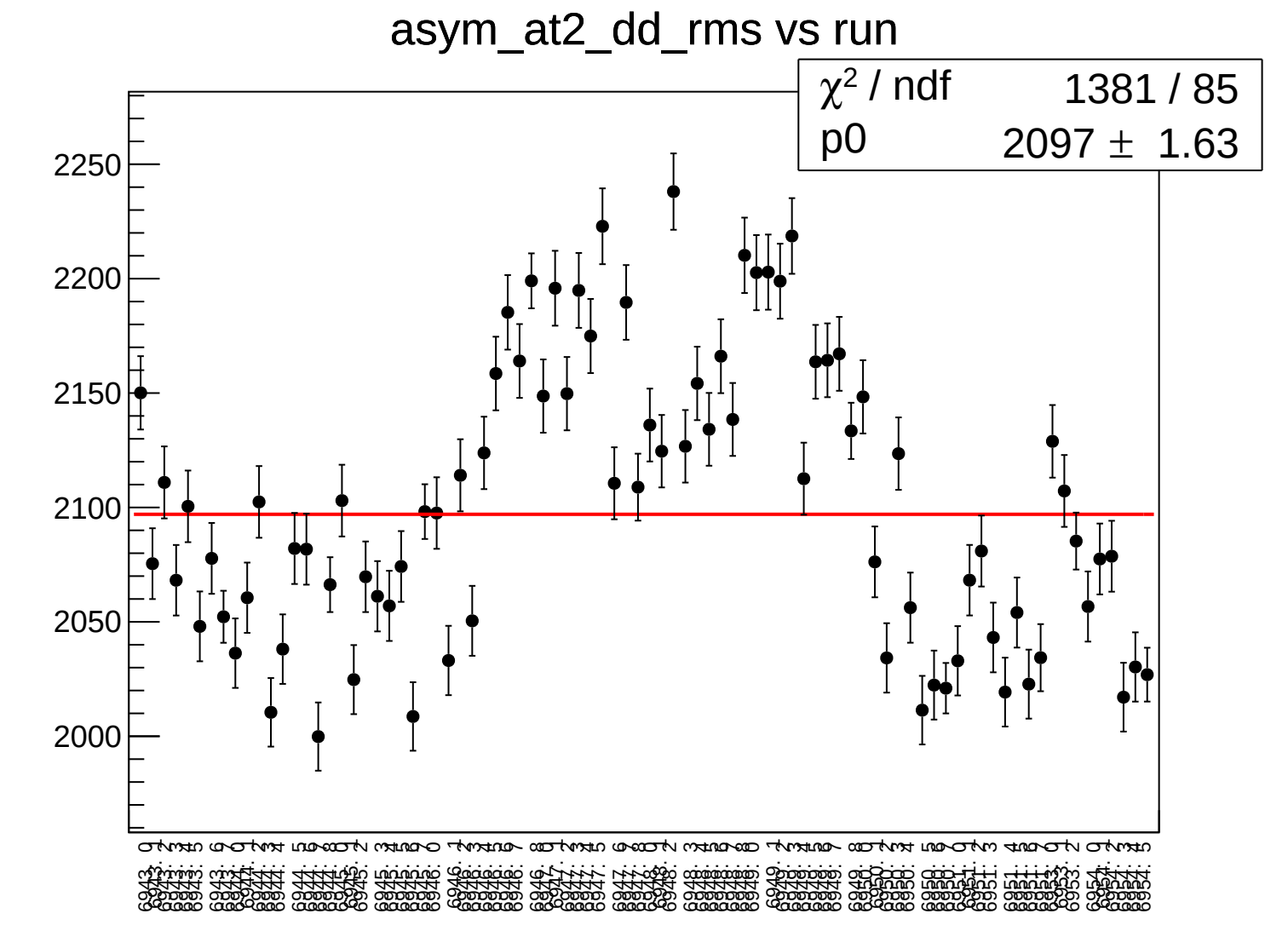

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.73 / 85
p0 4078 ± 1393
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 140.6
Std Dev 0
3
2
1
0
−1
−2

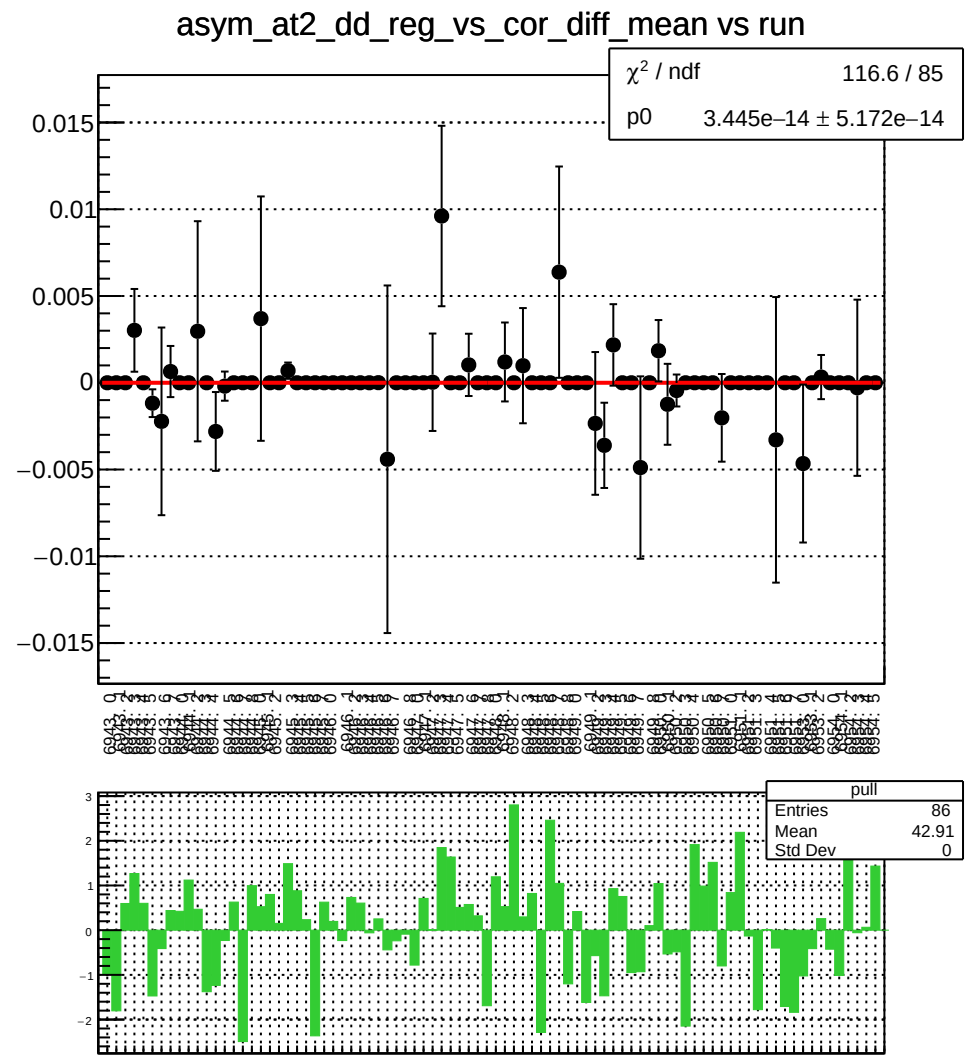

pull1D
Entries 86
Mean −0.0136
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

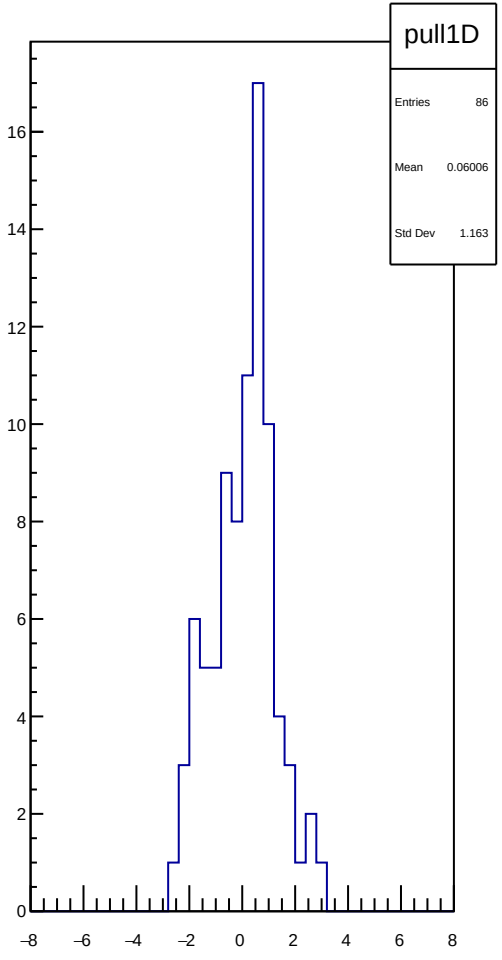

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.036e+04 / 85
p0 1264 ± 0.9851
1500
1450
1400
1350
1300
1250
1200
1150
1100

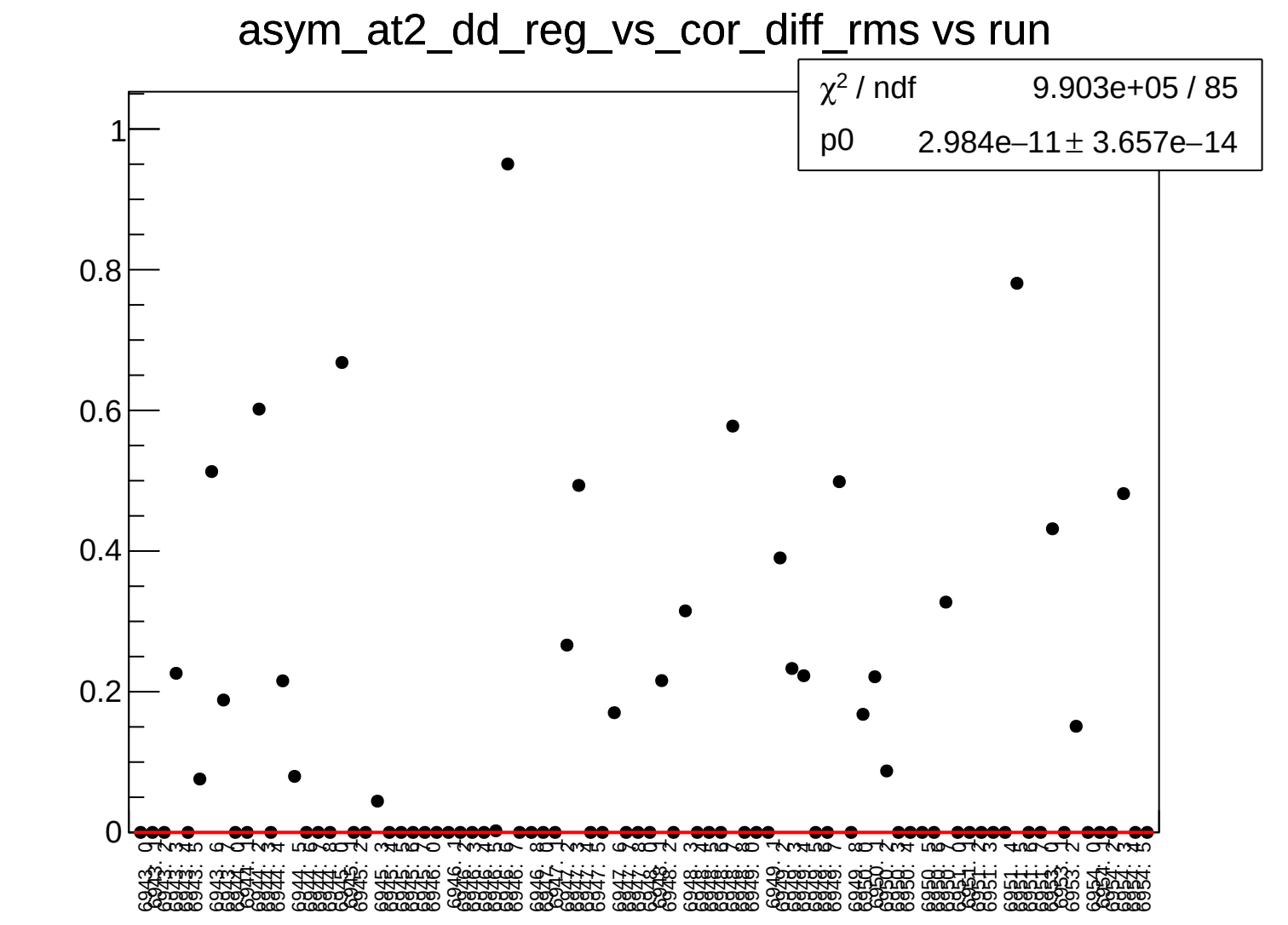

asym_at2_dd_mean vs run
×10^3
χ² / ndf 98.51 / 85
p0 −3891 ± 2305
pull
Entries 86
Mean −18.17
Std Dev 0

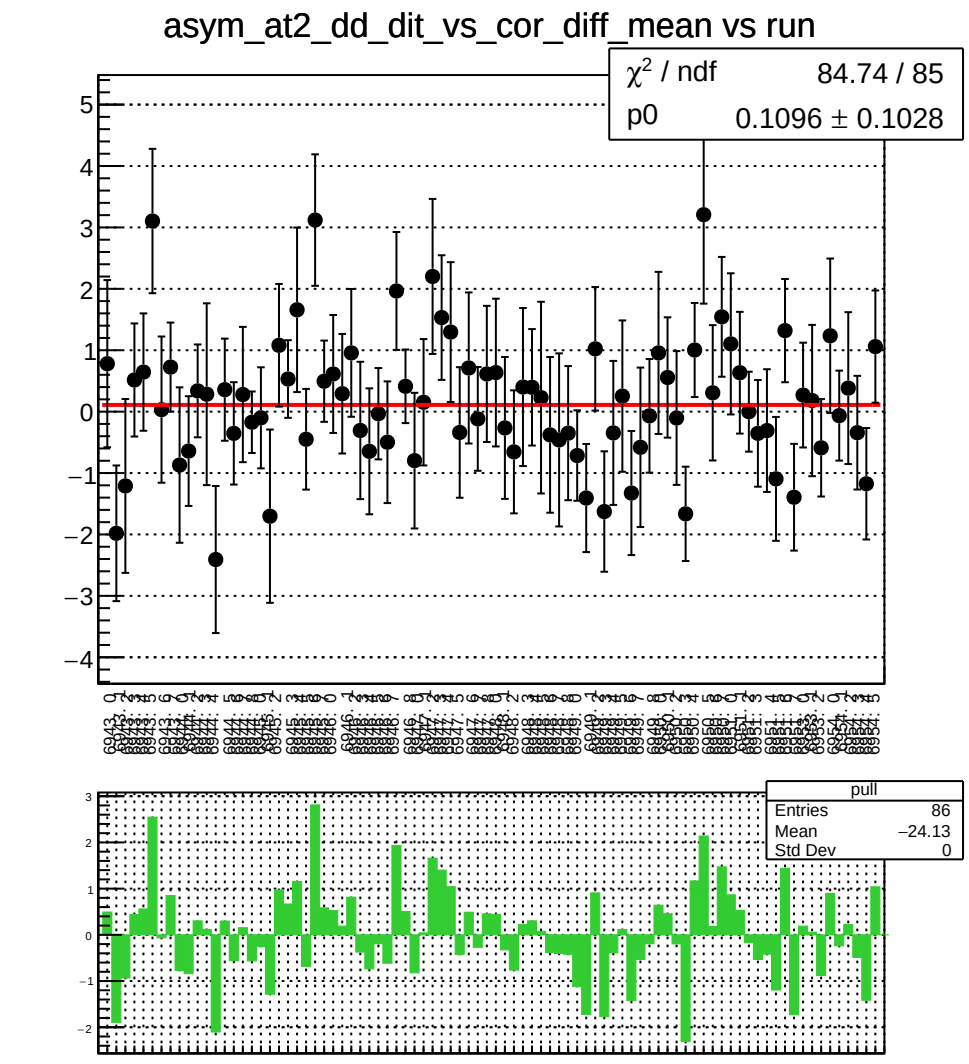

pull1D
Entries 86
Mean 0.02425
Std Dev 1.07

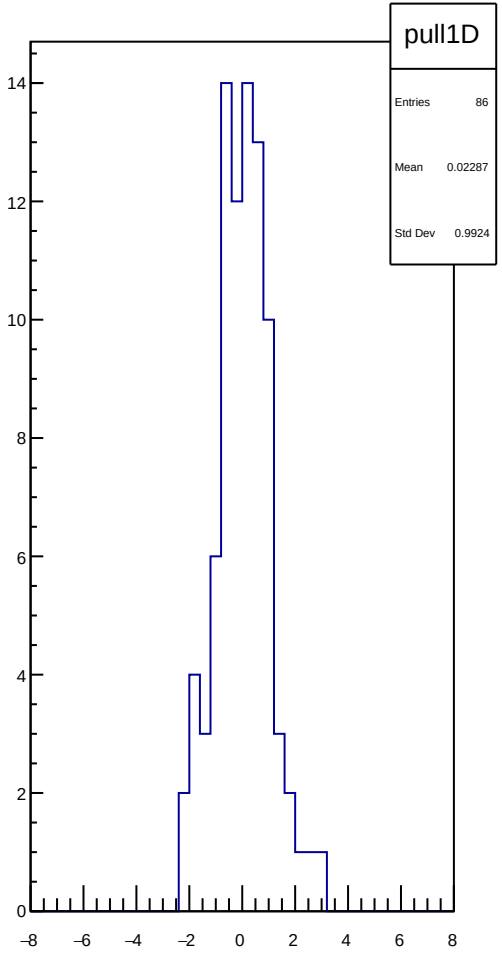

asym_at2_dd_rms vs run
χ² / ndf 1381 / 85
p0 2097 ± 1.63
2250
2200
2150
2100
2050
2000

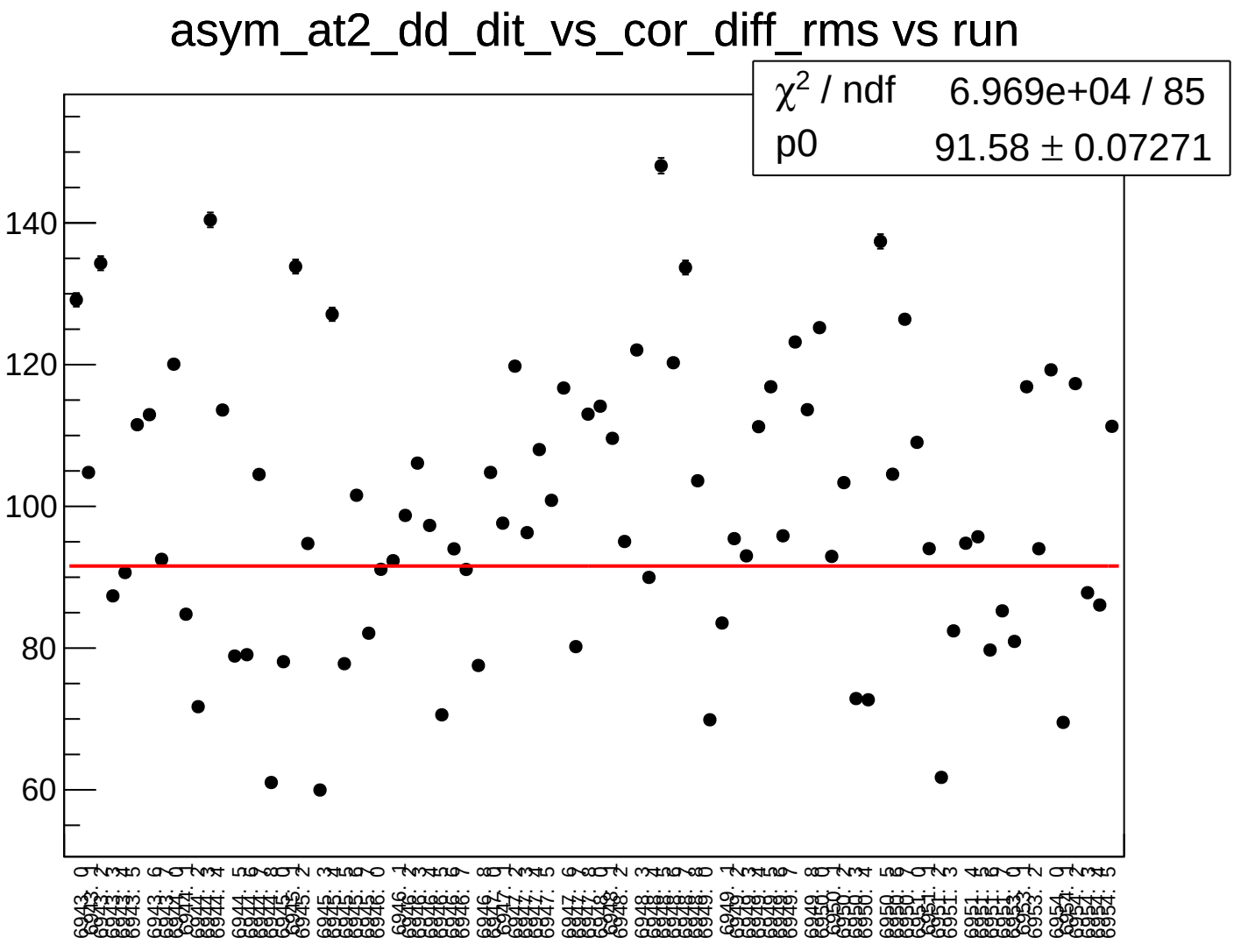

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 116.6 / 85
p0 3.445e−14 ± 5.172e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 42.91
Std Dev 0
3
2
1
0
−1
−2

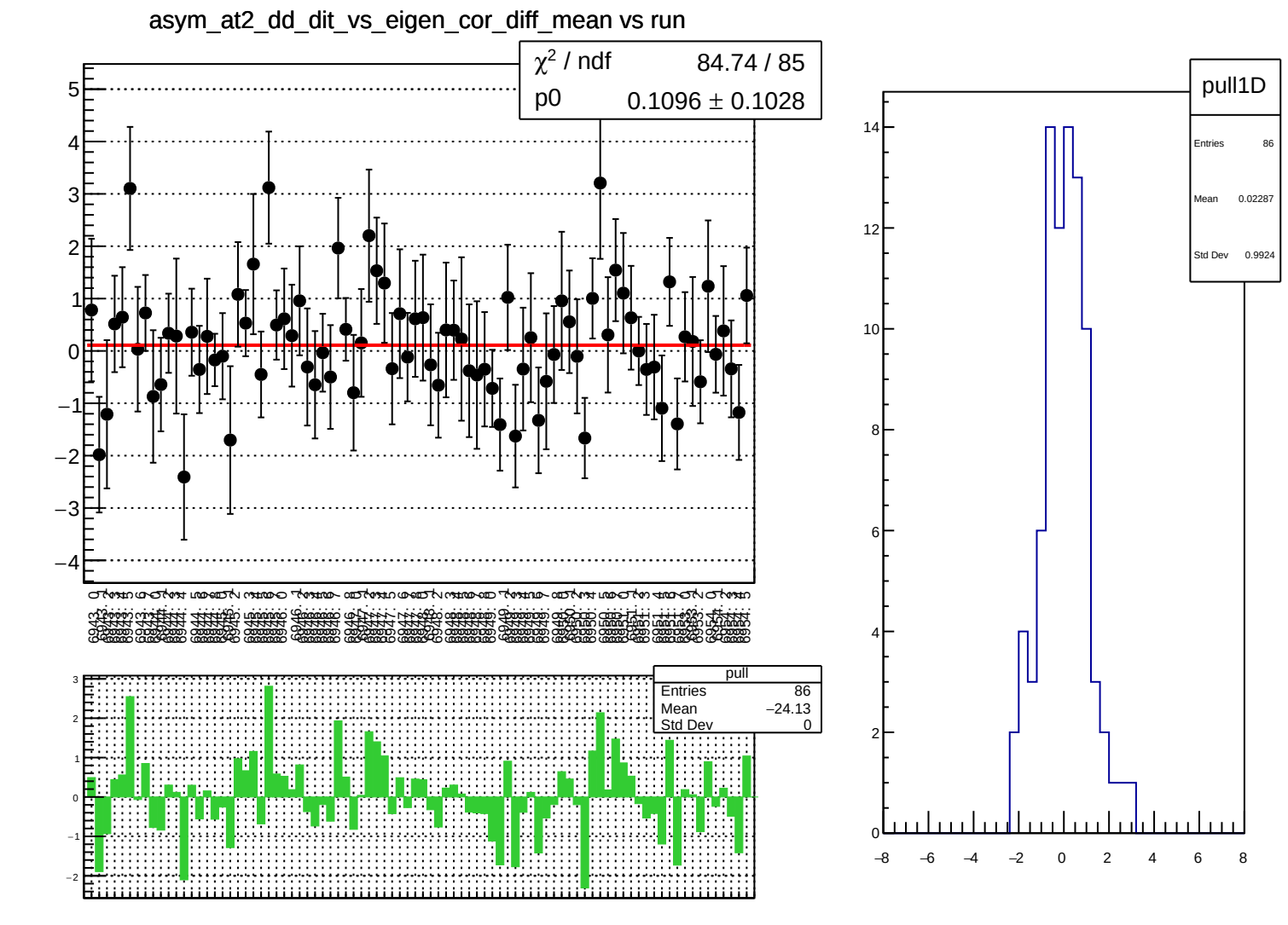

pull1D
Entries 86
Mean 0.06006
Std Dev 1.163
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

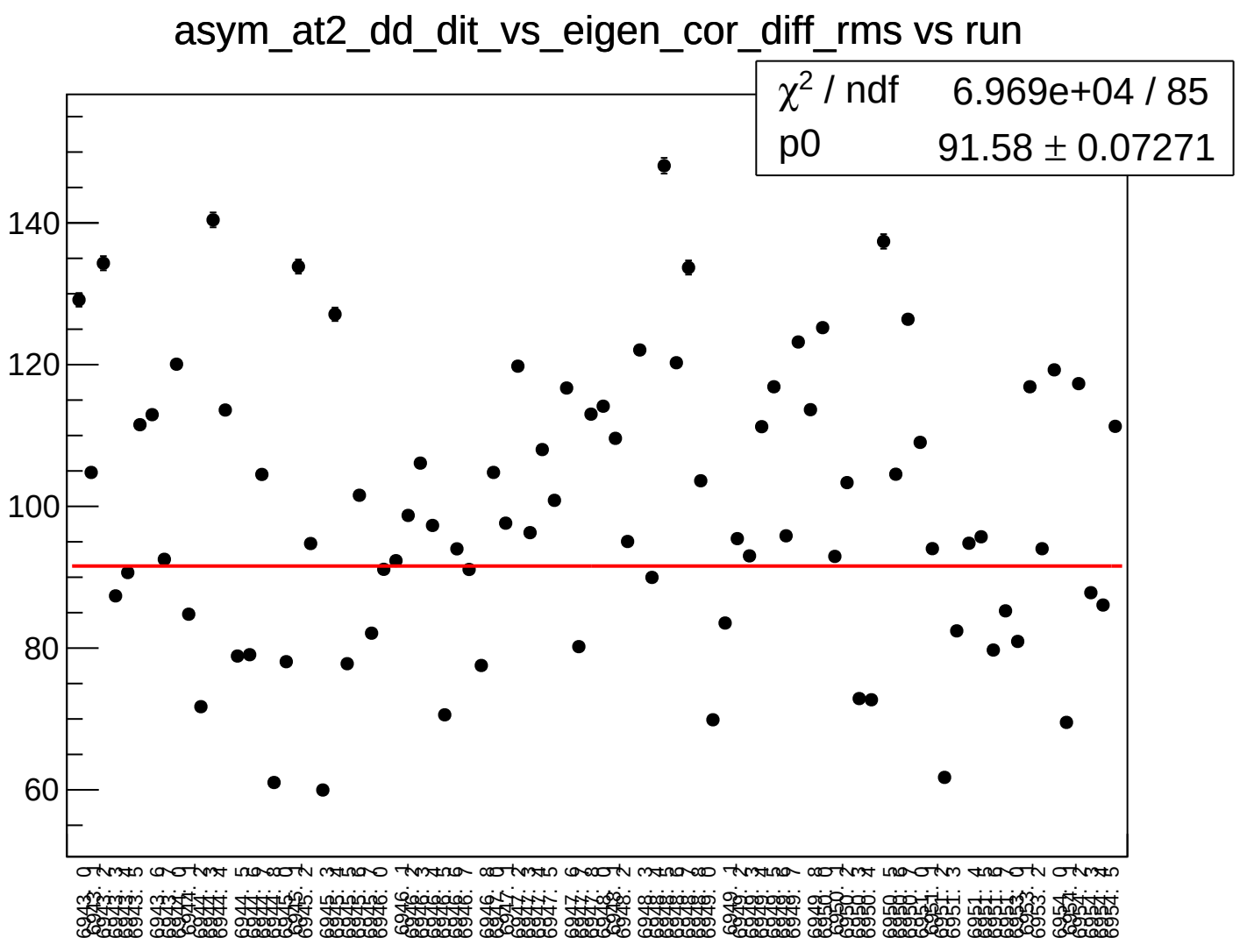

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.903e+05 / 85
p0 2.984e−11 ± 3.657e−14
1
0.8
0.6
0.4
0.2
0

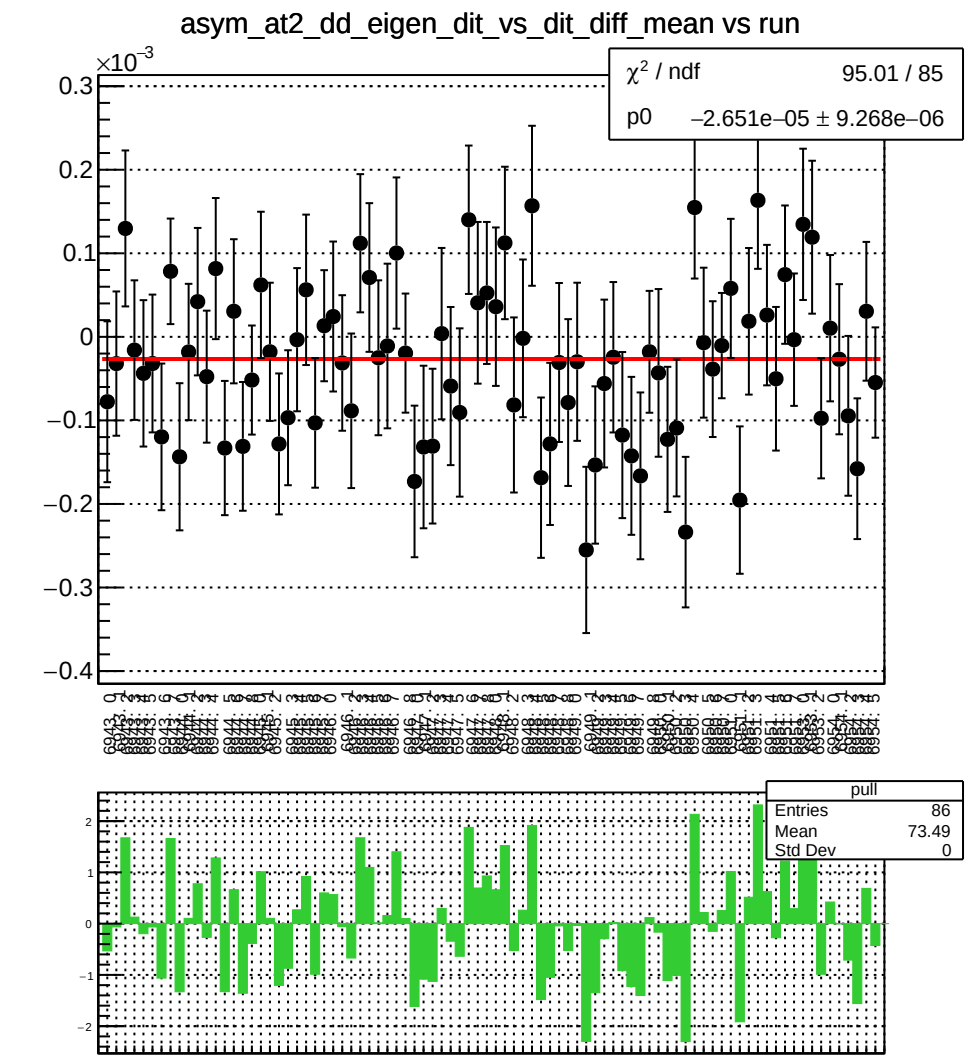

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 84.74 / 85
p0 0.1096 ± 0.1028
pull
Entries 86
Mean −24.13
Std Dev 0

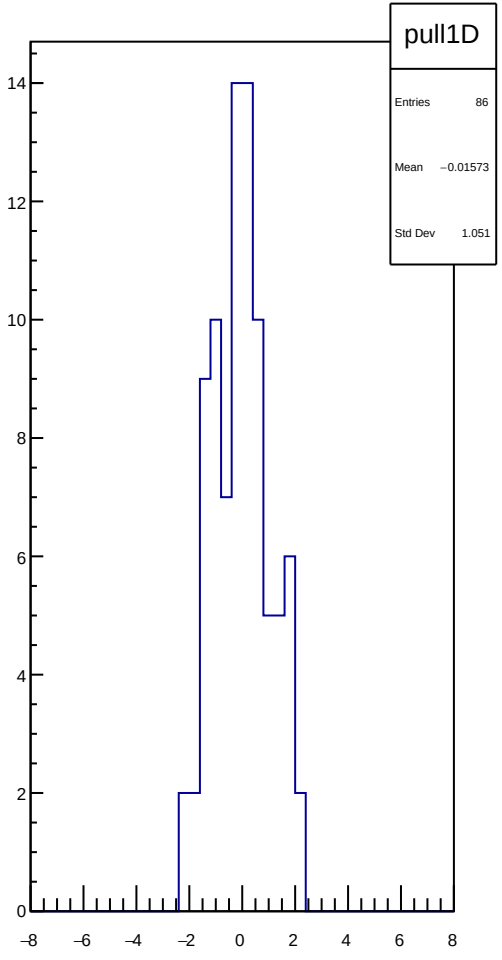

pull1D
Entries 86
Mean 0.02287
Std Dev 0.9924

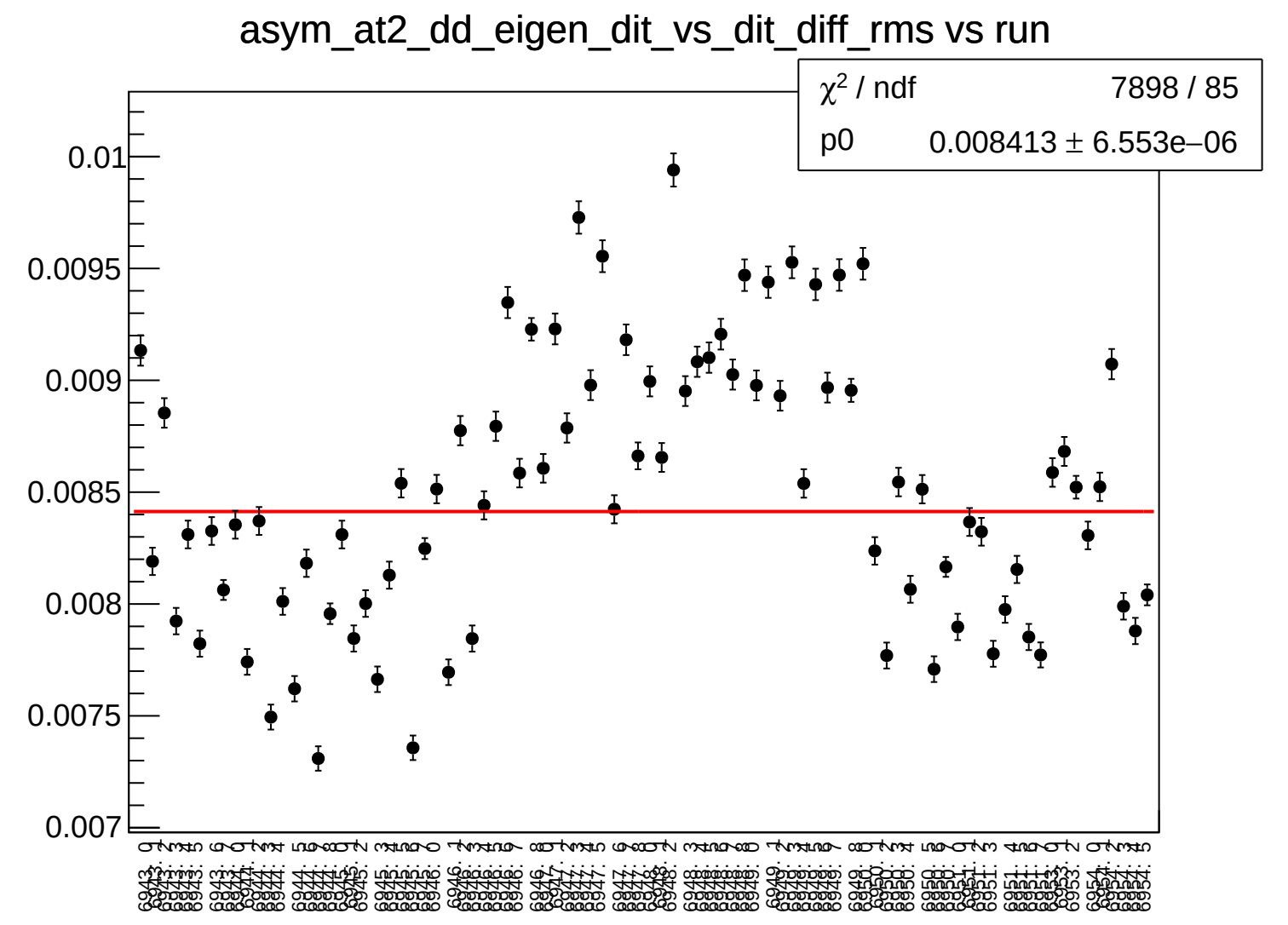

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.969e+04 / 85
p0 91.58 ± 0.07271
140
120
100
80
60

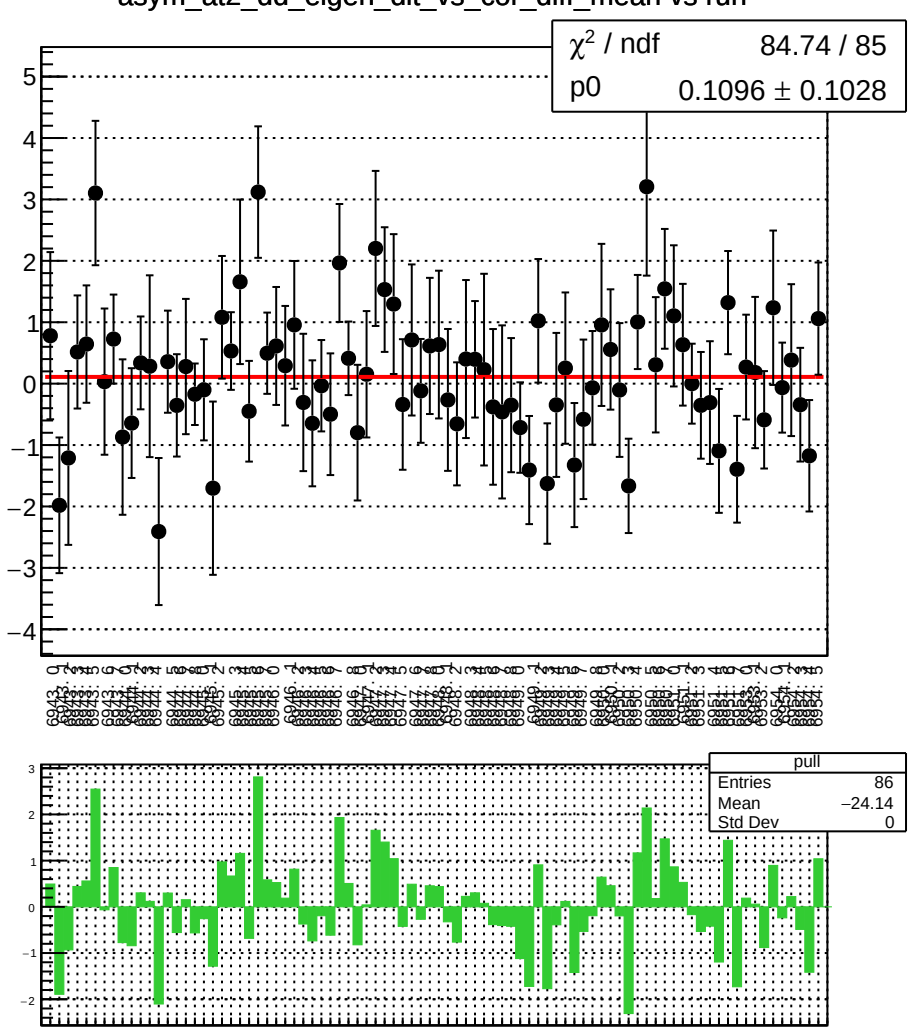

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.74 / 85
p0 0.1096 ± 0.1028
pull
Entries 86
Mean −24.13
Std Dev 0
pull1D
Entries 86
Mean 0.02287
Std Dev 0.9924

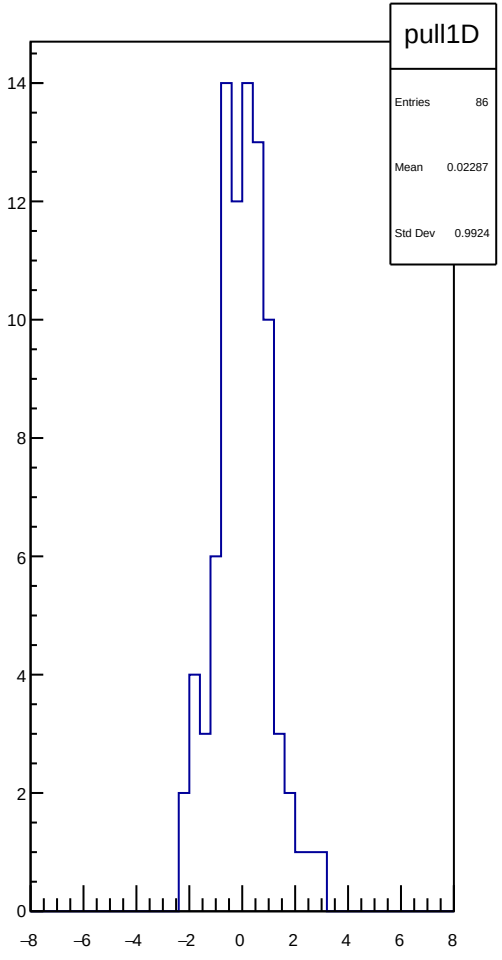

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.969e+04 / 85
p0 91.58 ± 0.07271
140
120
100
80
60

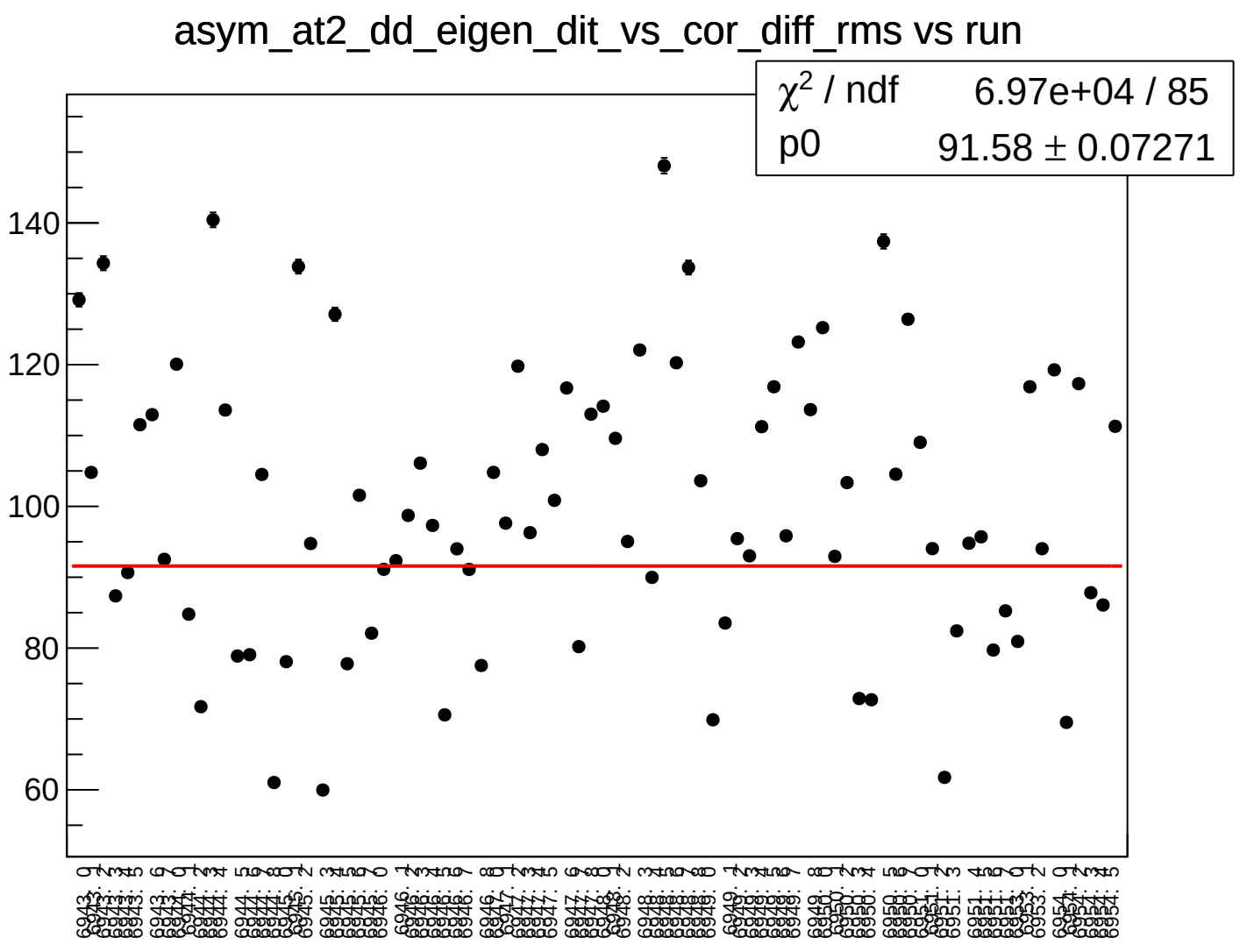

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.01 / 85
p0 −2.651e−05 ± 9.268e−06
pull
Entries 86
Mean 73.49
Std Dev 0

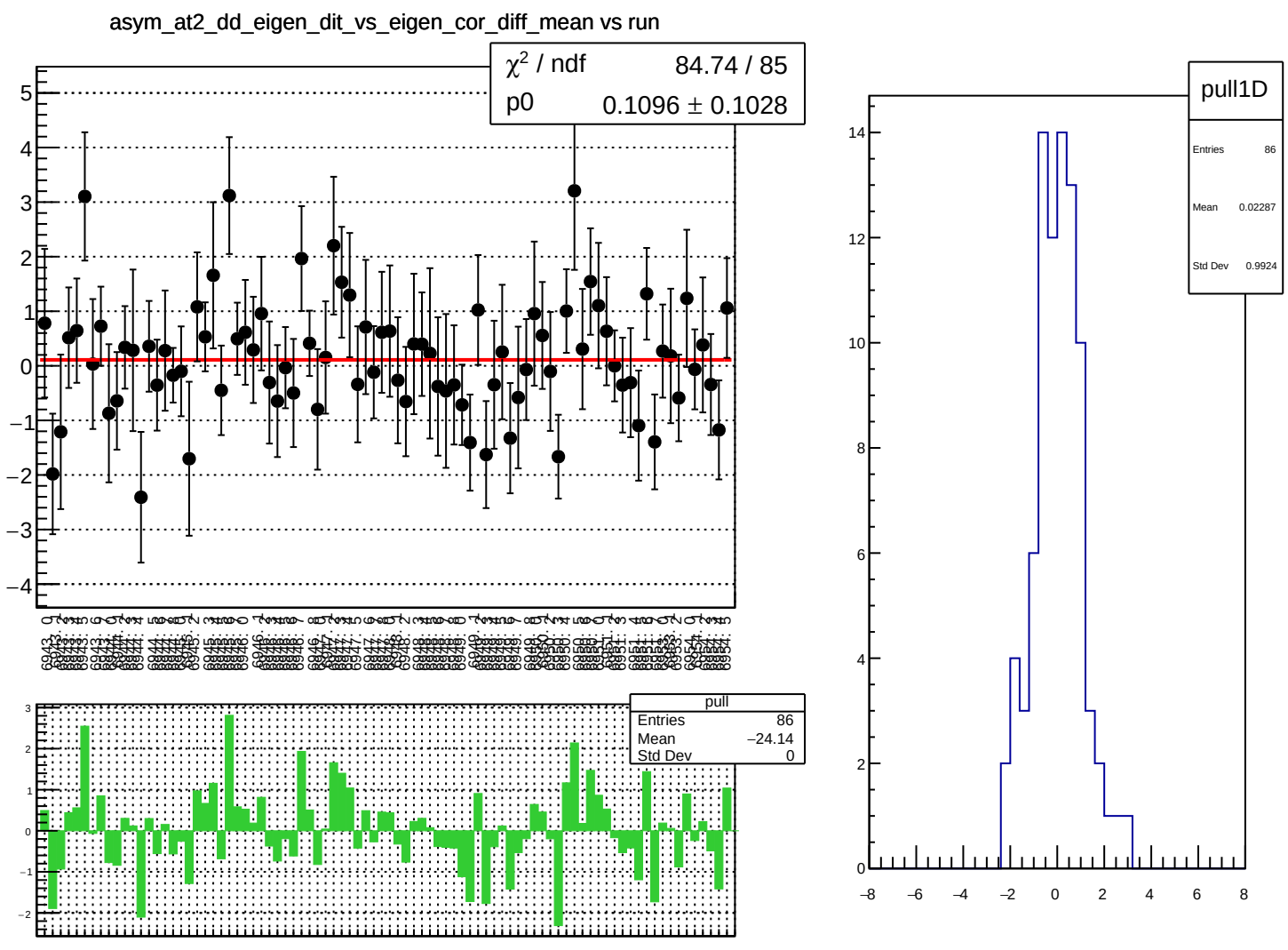

pull1D
Entries 86
Mean −0.01573
Std Dev 1.051

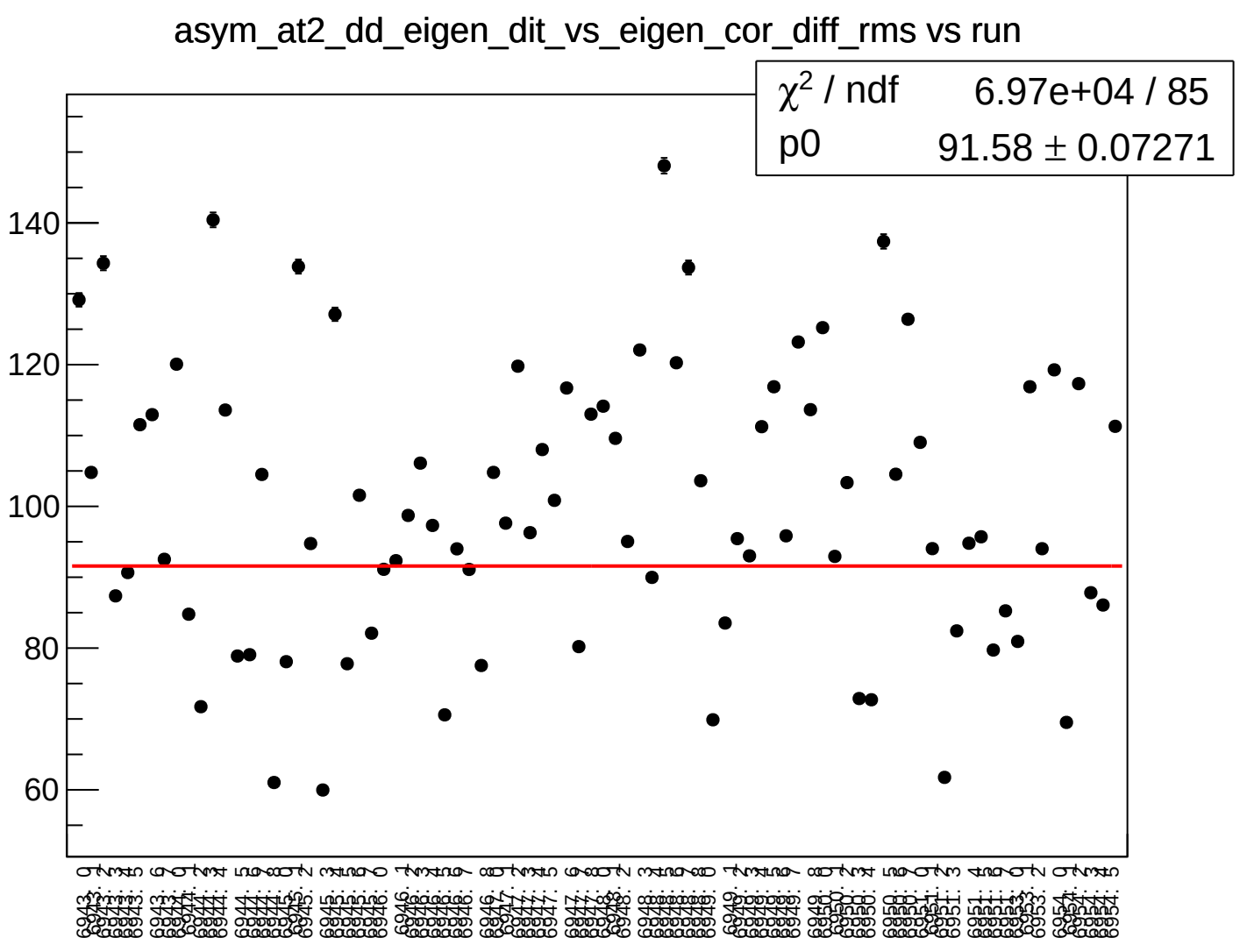

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7898 / 85
p0 0.008413 ± 6.553e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007

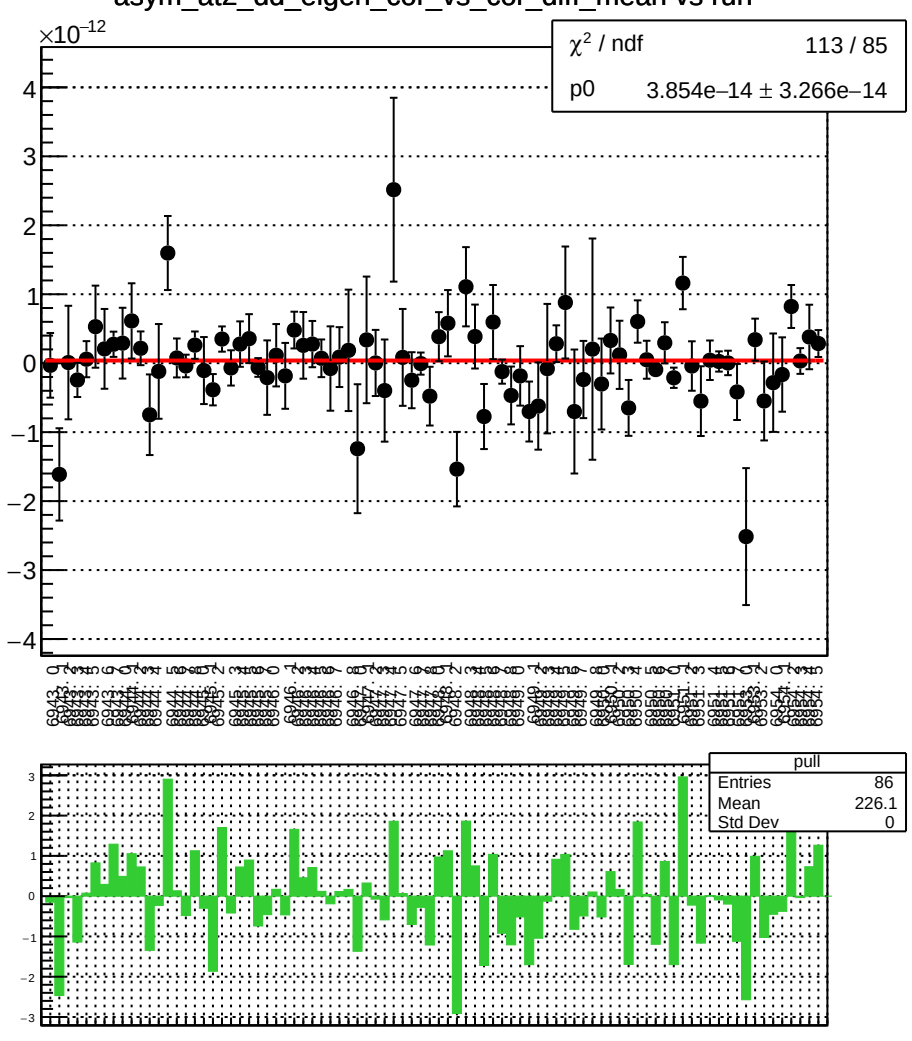

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.74 / 85
p0 0.1096 ± 0.1028
pull
Entries 86
Mean −24.14
Std Dev 0

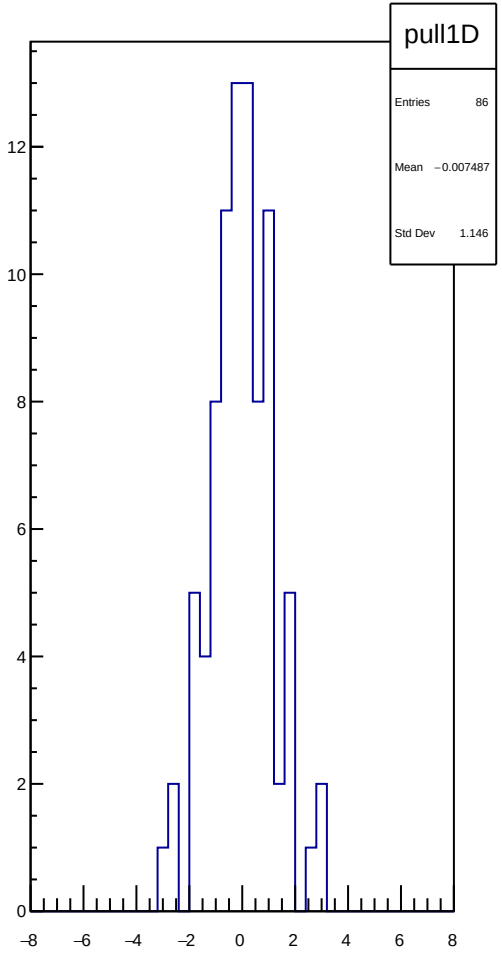

pull1D
Entries 86
Mean 0.02287
Std Dev 0.9924

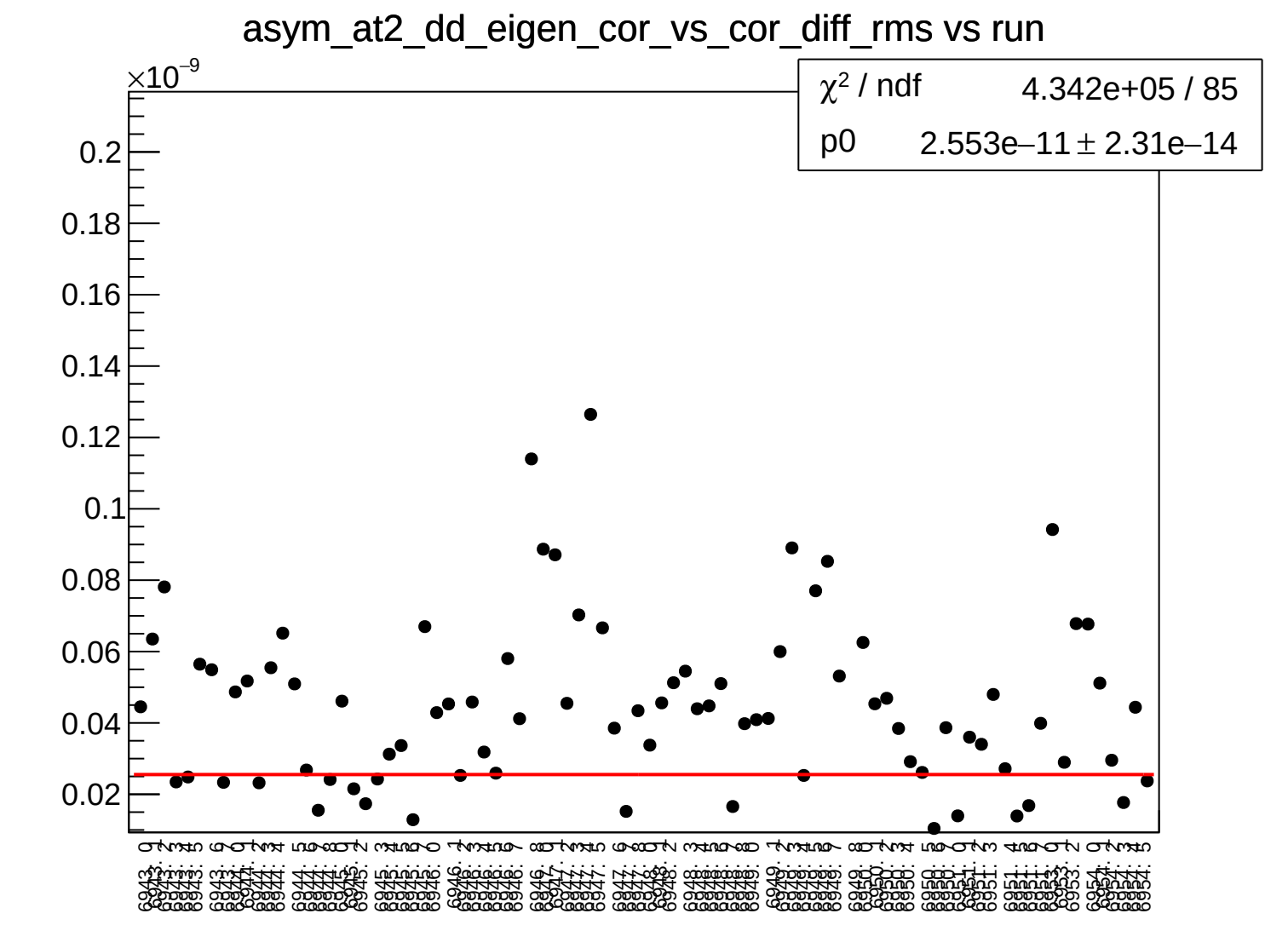

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.97e+04 / 85
p0 91.58 ± 0.07271
140
120
100
80
60

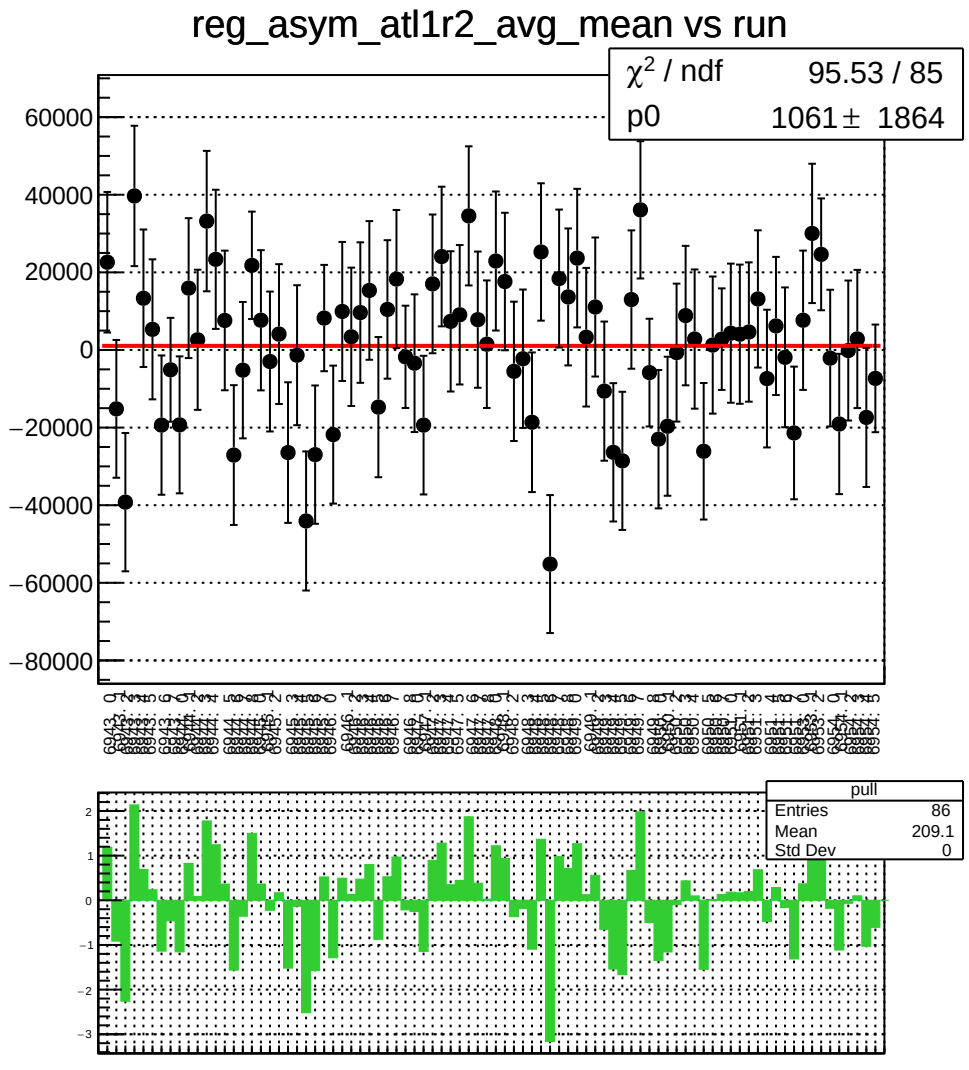

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.74 / 85
p0 0.1096 ± 0.1028
pull
Entries 86
Mean −24.14
Std Dev 0
pull1D
Entries 86
Mean 0.02287
Std Dev 0.9924

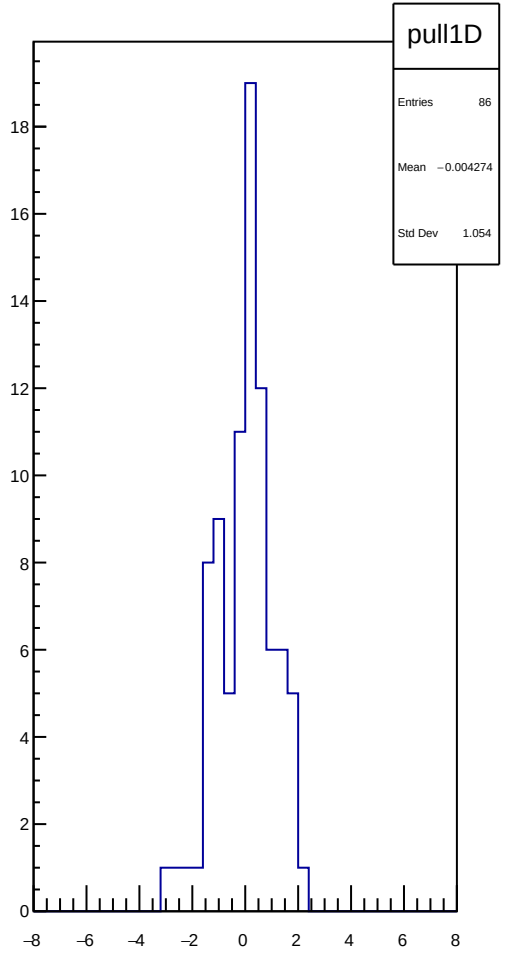

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 6.97e+04 / 85
p0 91.58 ± 0.07271
140
120
100
80
60

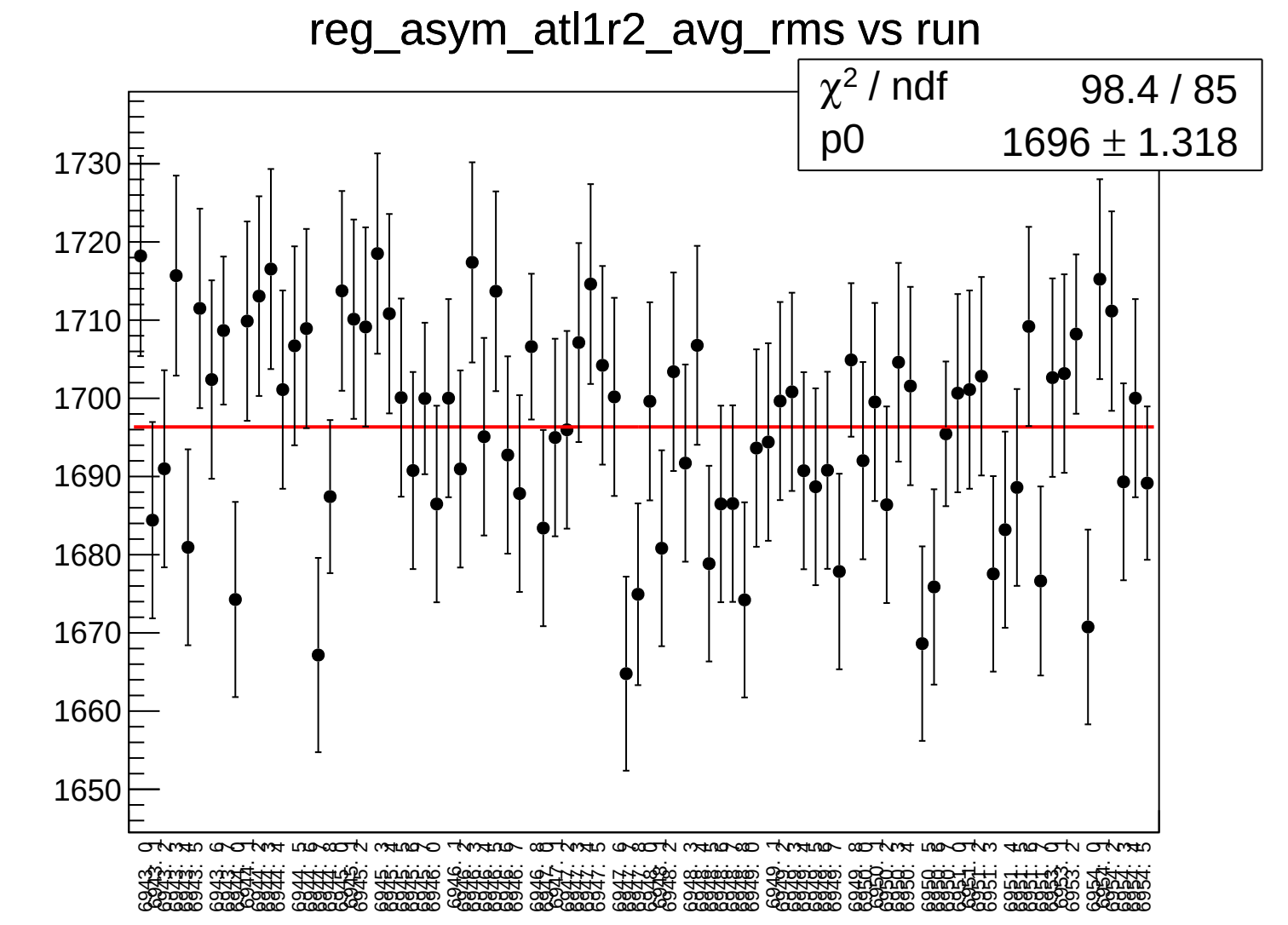

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 113 / 85
p0 3.854e−14 ± 3.266e−14
pull
Entries 86
Mean 226.1
Std Dev 0

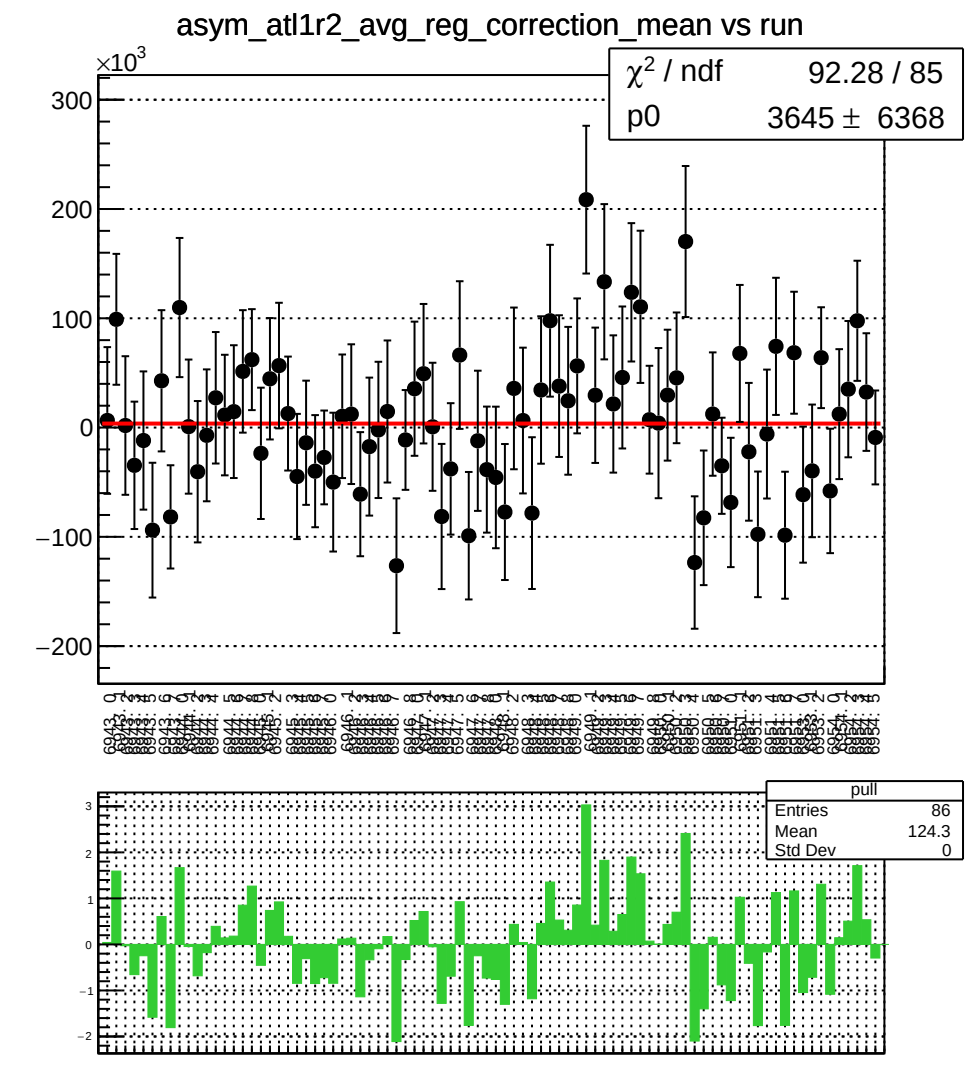

pull1D
Entries 86
Mean −0.007487
Std Dev 1.146

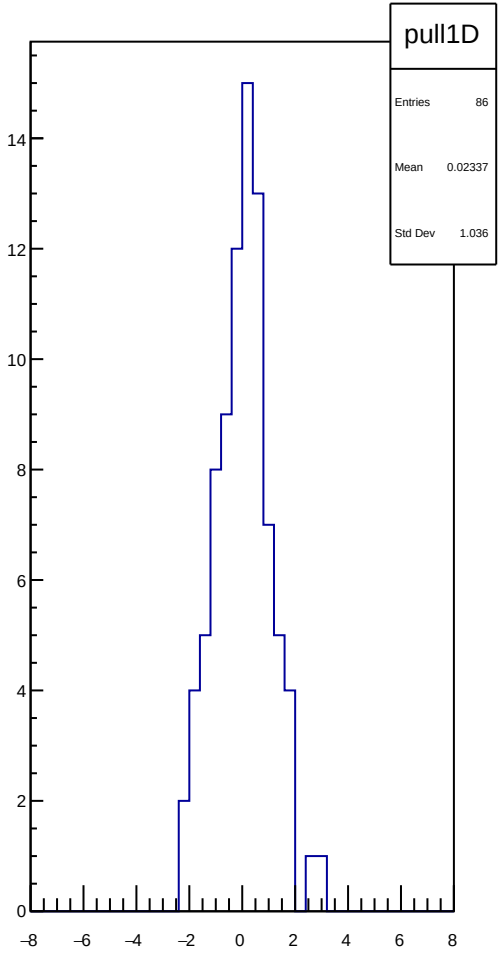

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.342e+05 / 85
p0 2.553e−11 ± 2.31e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

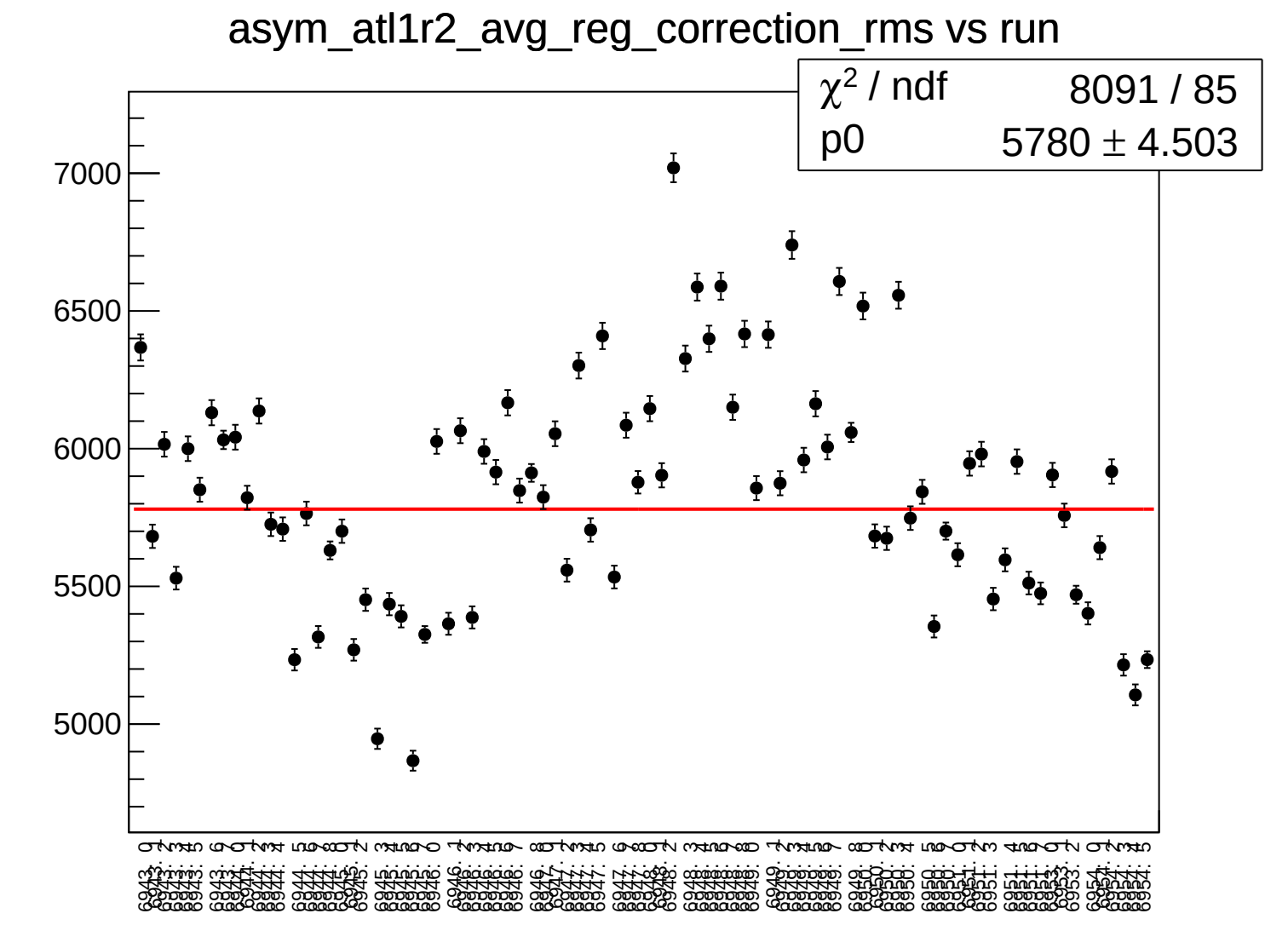

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 95.53 / 85
p0 1061 ± 1864
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 209.1
Std Dev 0
2
1
0
−1
−2
−3

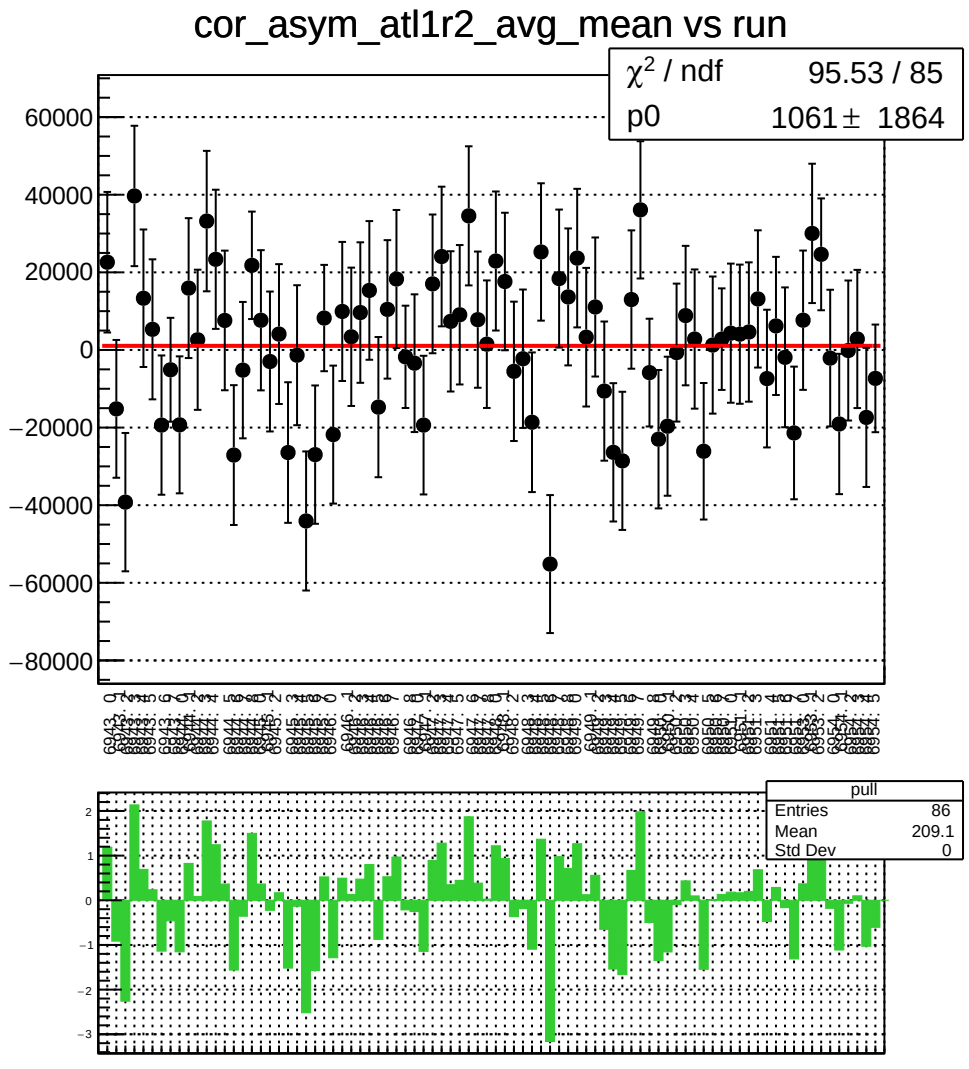

pull1D
Entries 86
Mean −0.004274
Std Dev 1.054
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

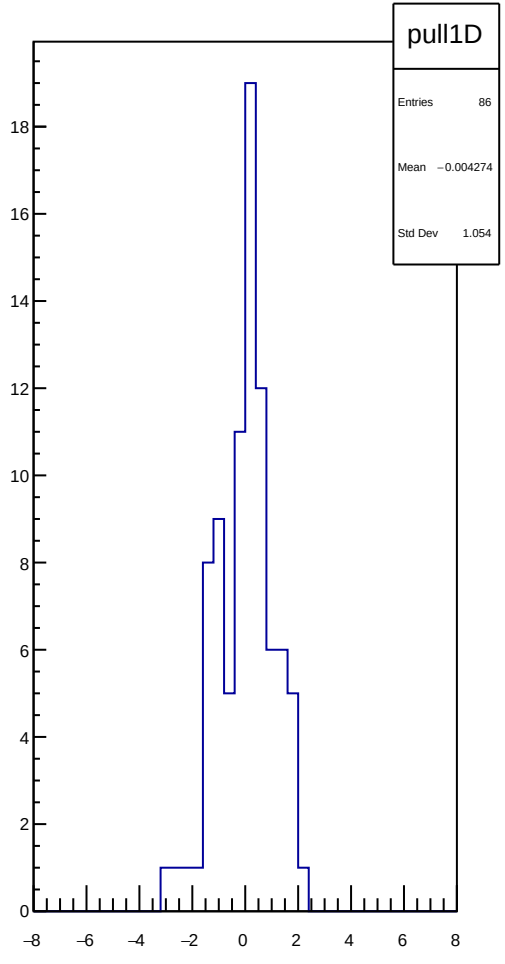

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 98.4 / 85
p0 1696 ± 1.318
1730
1720
1710
1700
1690
1680
1670
1660
1650

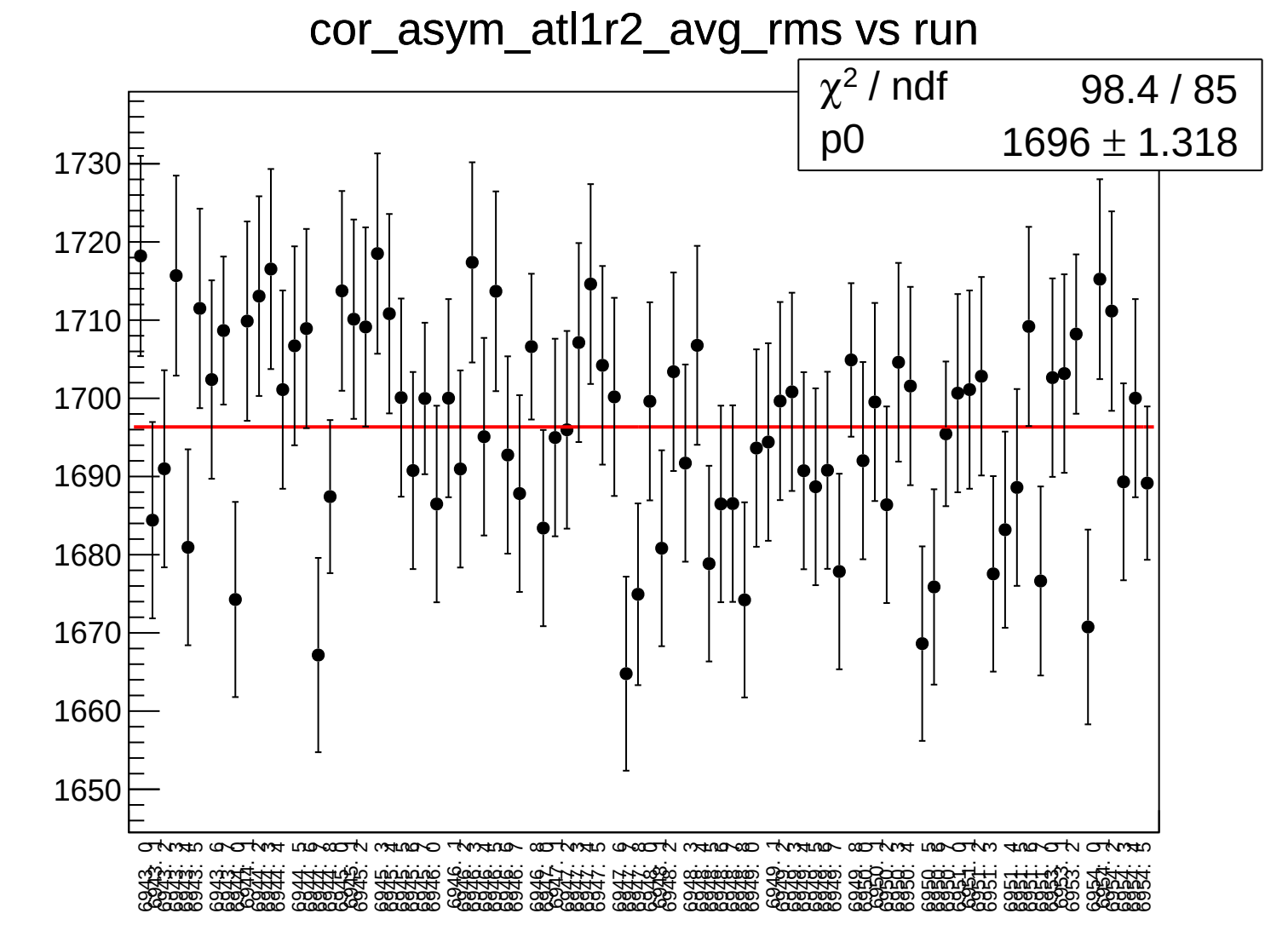

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 92.28 / 85
p0 3645 ± 6368
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.3
Std Dev 0
3
2
1
0
−1
−2

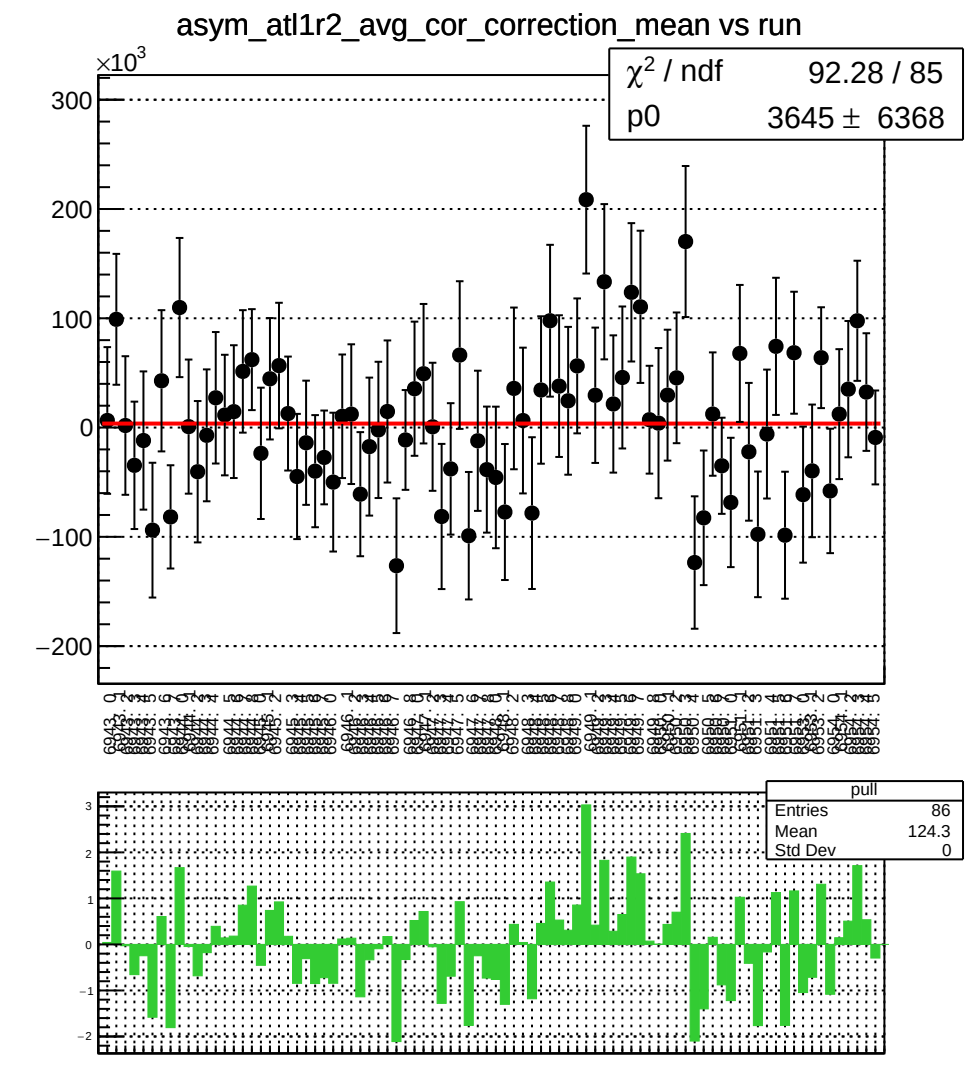

pull1D
Entries 86
Mean 0.02337
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

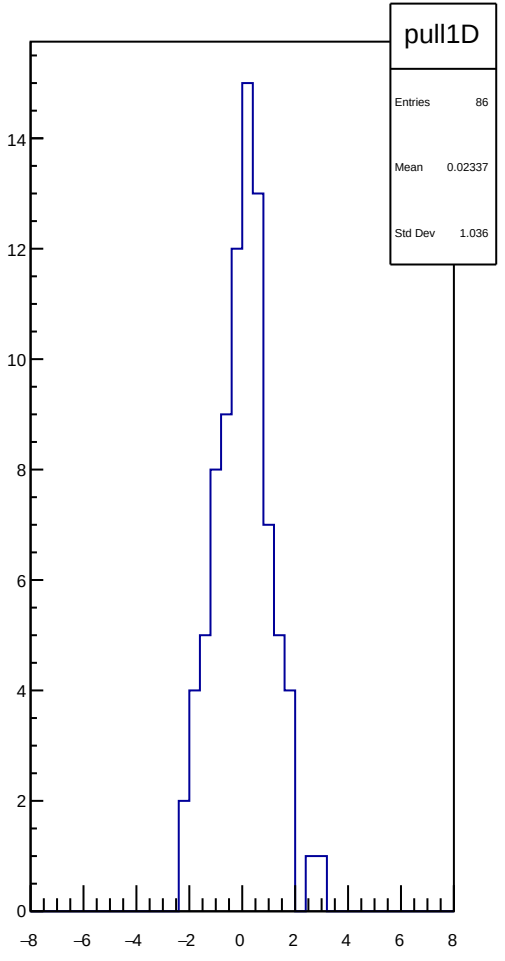

asym_atl1r2_avg_reg_correction_rms vs run
χ^2 / ndf 8091 / 85
p0 5780 ± 4.503
7000
6500
6000
5500
5000

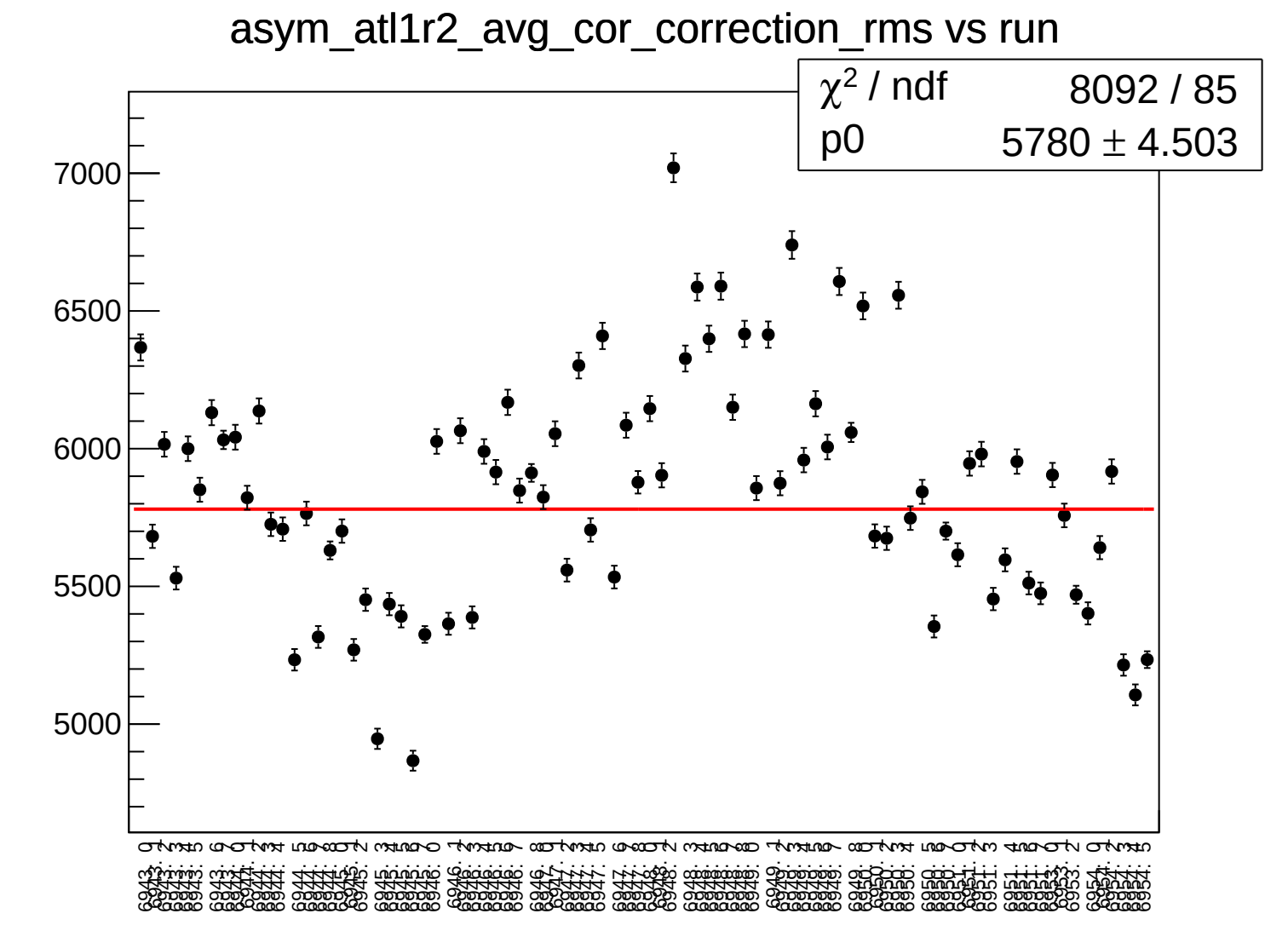

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 95.53 / 85
p0 1061 ± 1864
pull
Entries 86
Mean 209.1
Std Dev 0

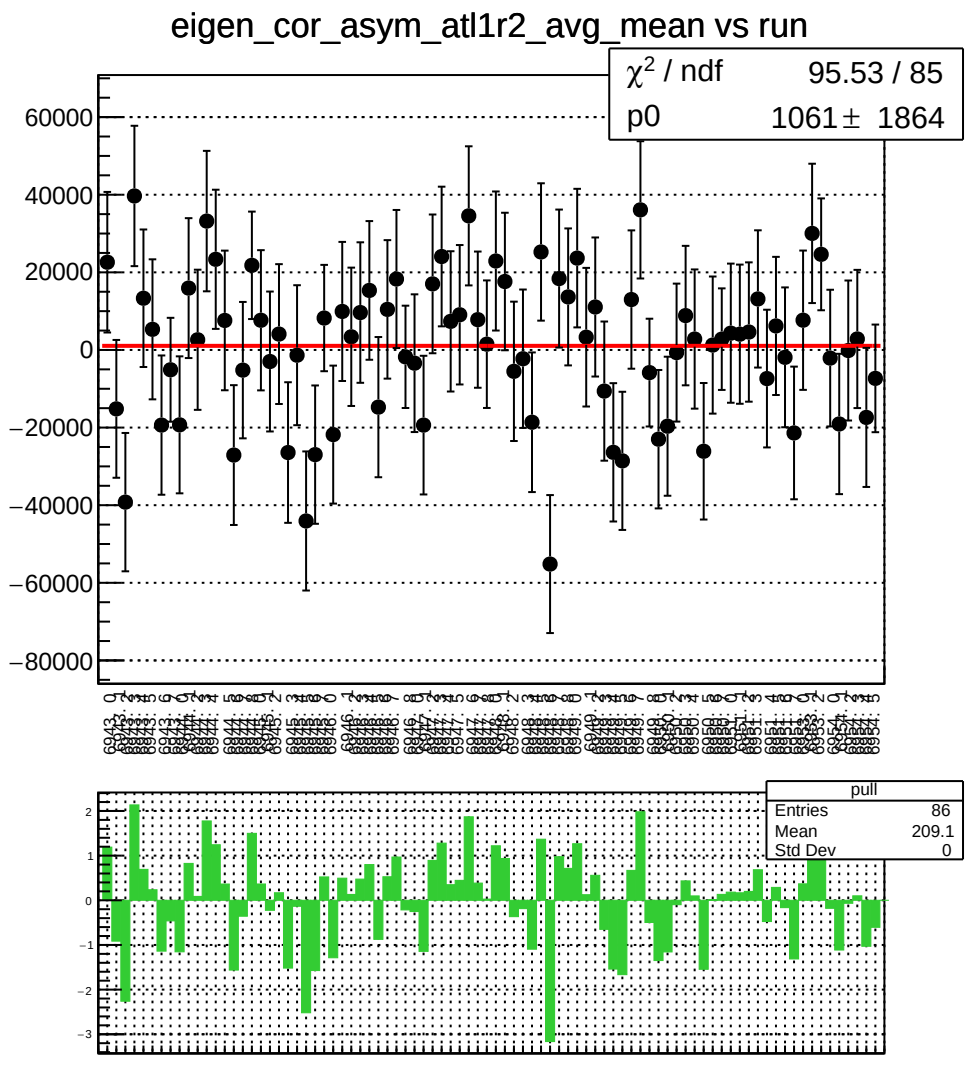

pull1D
Entries 86
Mean −0.004274
Std Dev 1.054

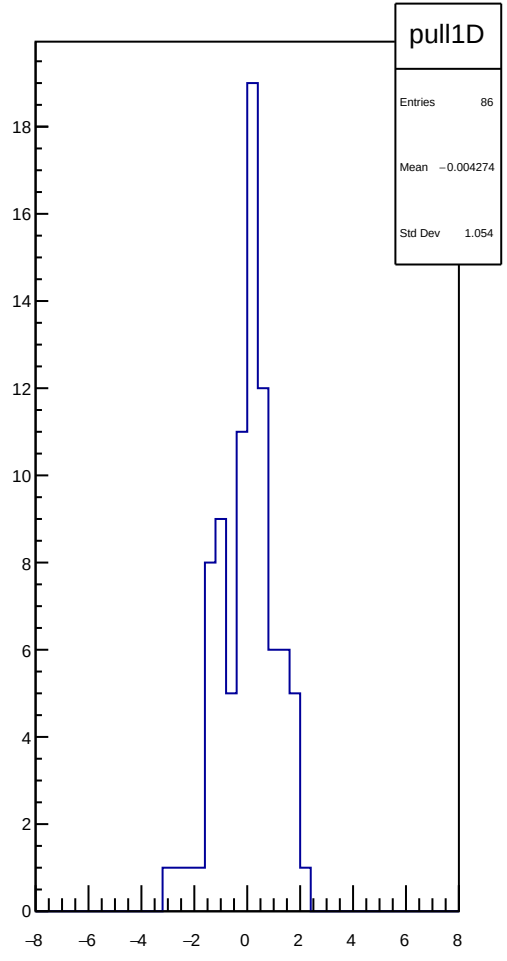

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 98.4 / 85
p0 1696 ± 1.318
1730
1720
1710
1700
1690
1680
1670
1660
1650

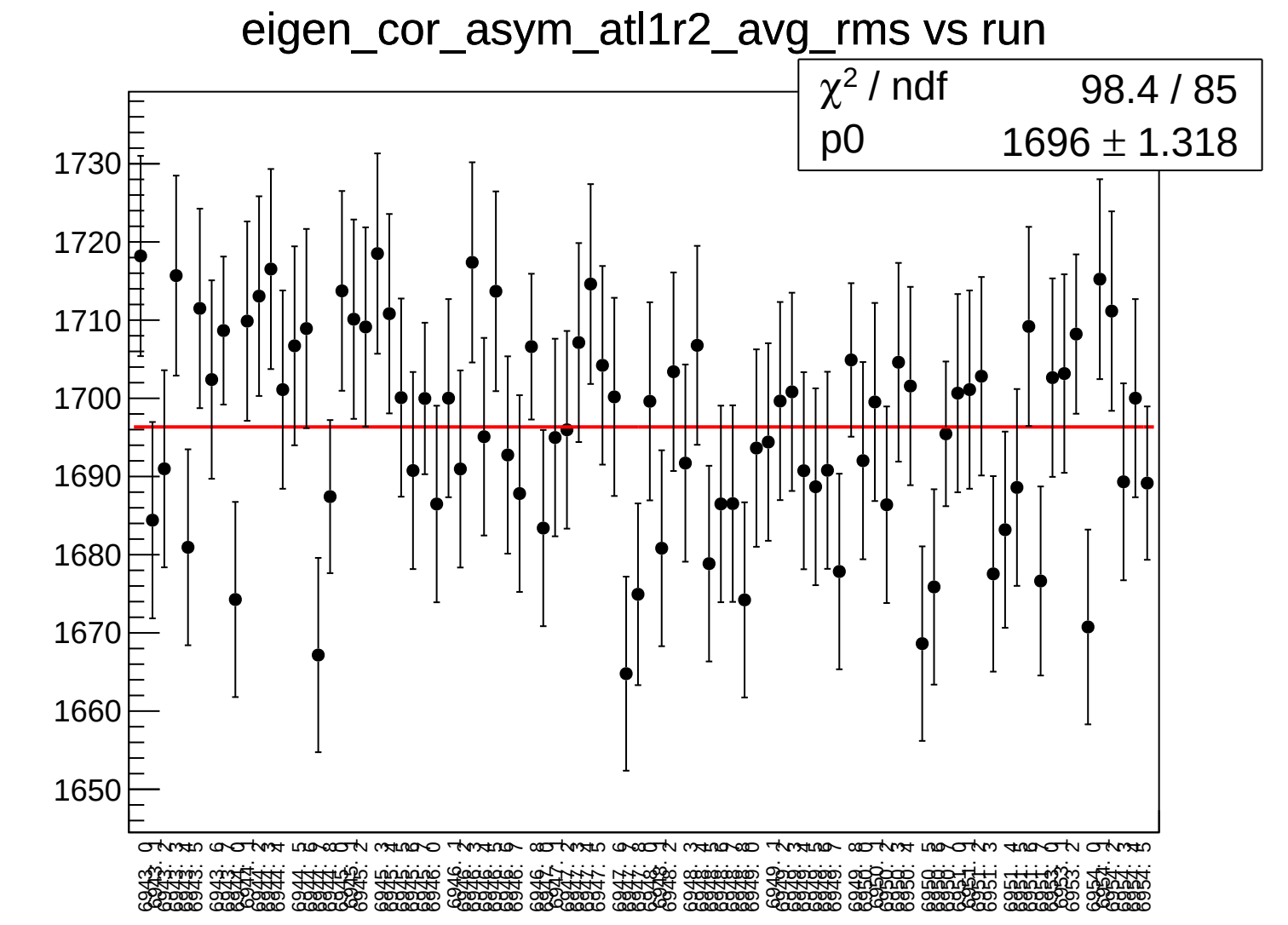

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 92.28 / 85
p0 3645 ± 6368
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.3
Std Dev 0
3
2
1
0
−1
−2

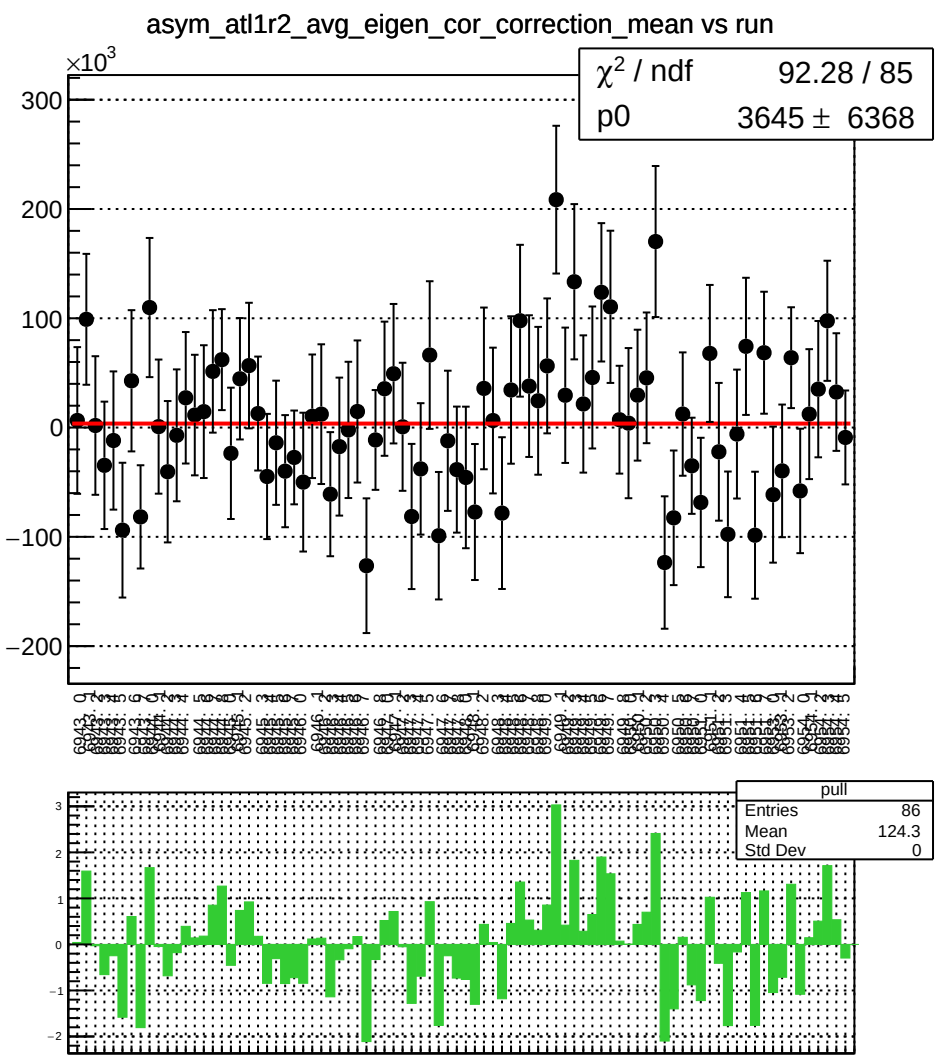

pull1D
Entries 86
Mean 0.02337
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

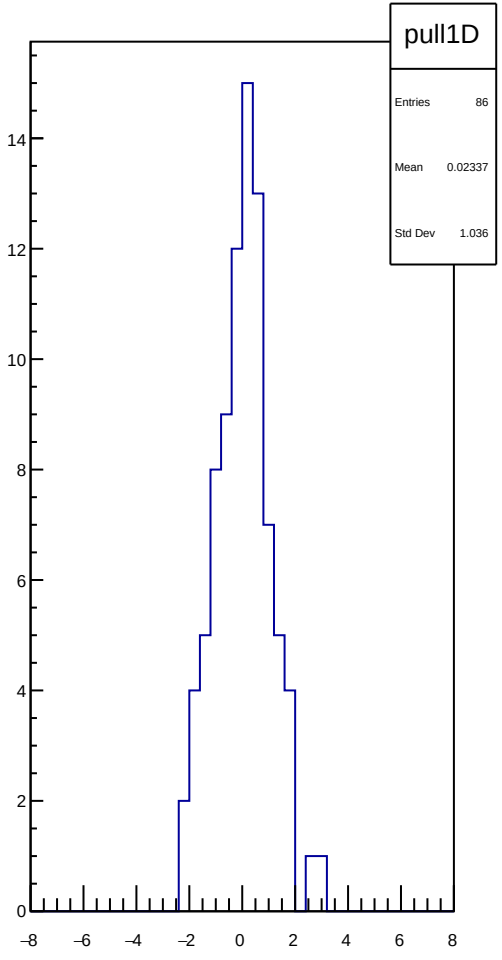

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 8092 / 85
p0 5780 ± 4.503
7000
6500
6000
5500
5000

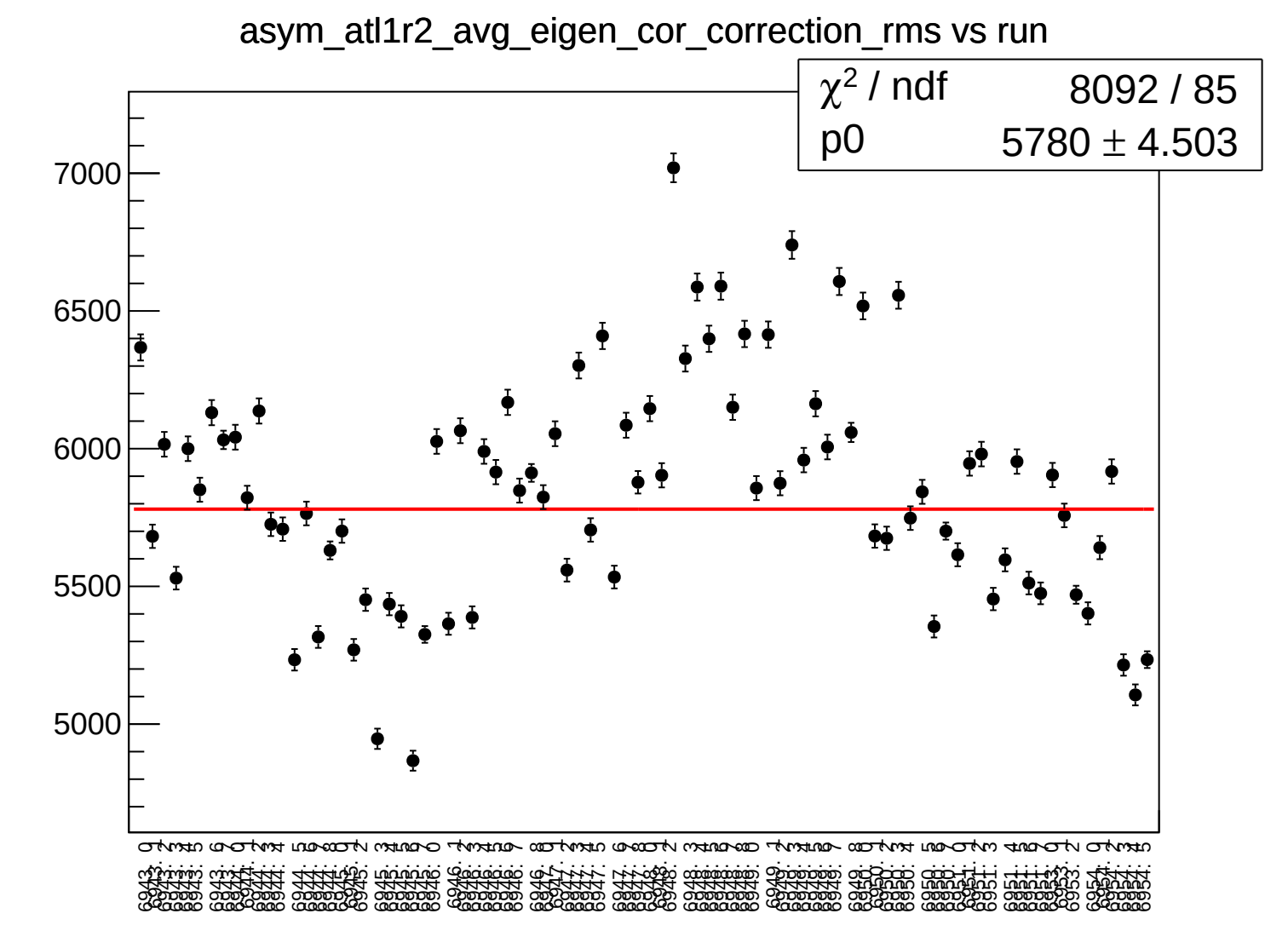

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 95.53 / 85
p0 1061 ± 1864
pull
Entries 86
Mean 209.1
Std Dev 0

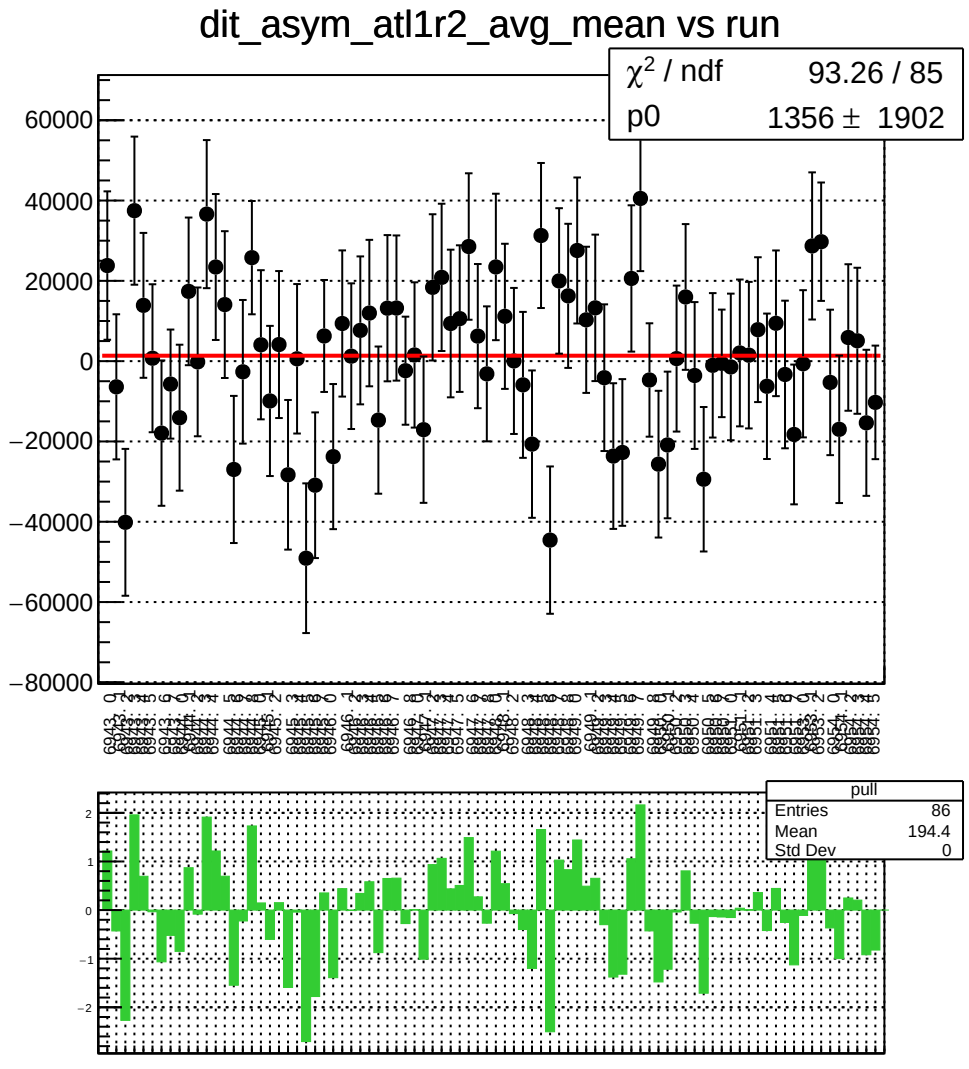

pull1D
Entries 86
Mean −0.004274
Std Dev 1.054

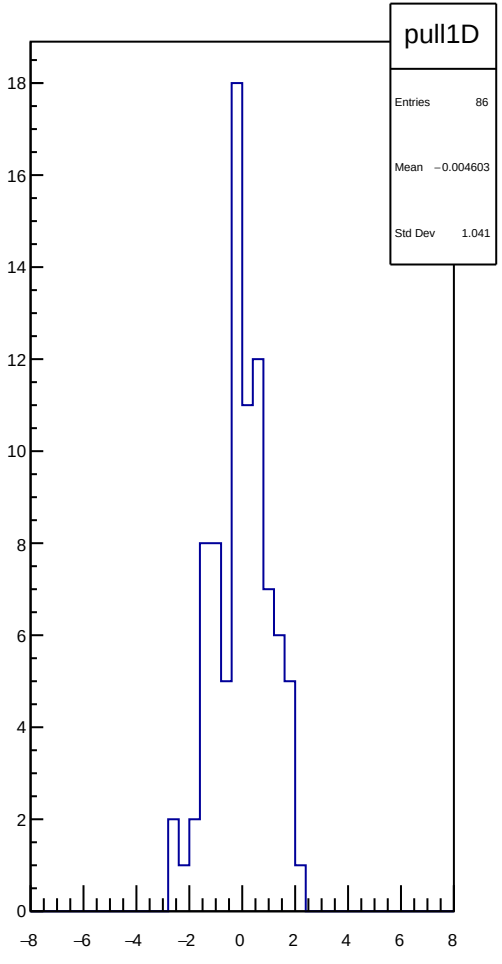

eigen_cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 98.4 / 85
p0 1696 ± 1.318
1730
1720
1710
1700
1690
1680
1670
1660
1650

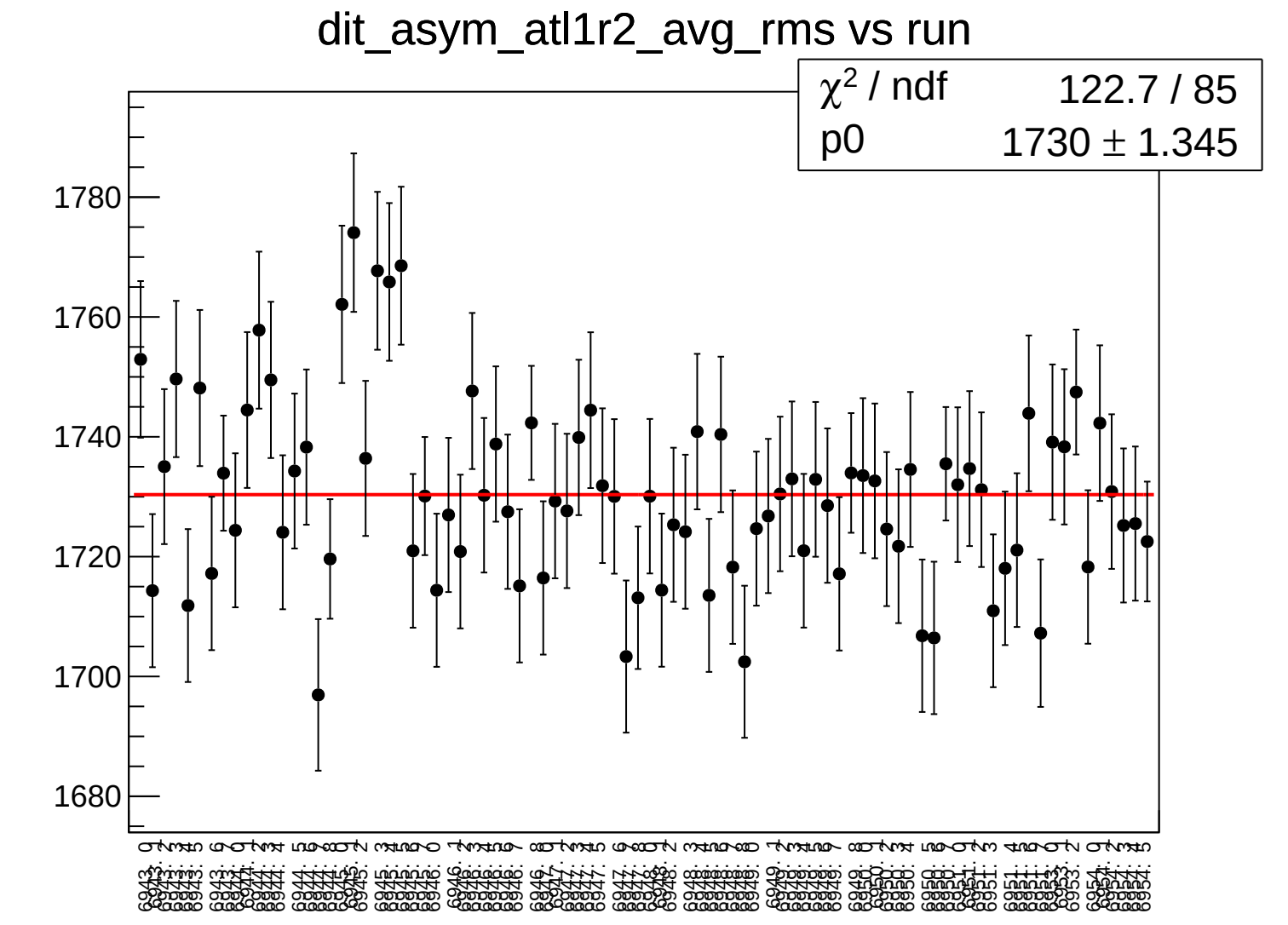

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.28 / 85
p0 3645 ± 6368
pull
Entries 86
Mean 124.3
Std Dev 0

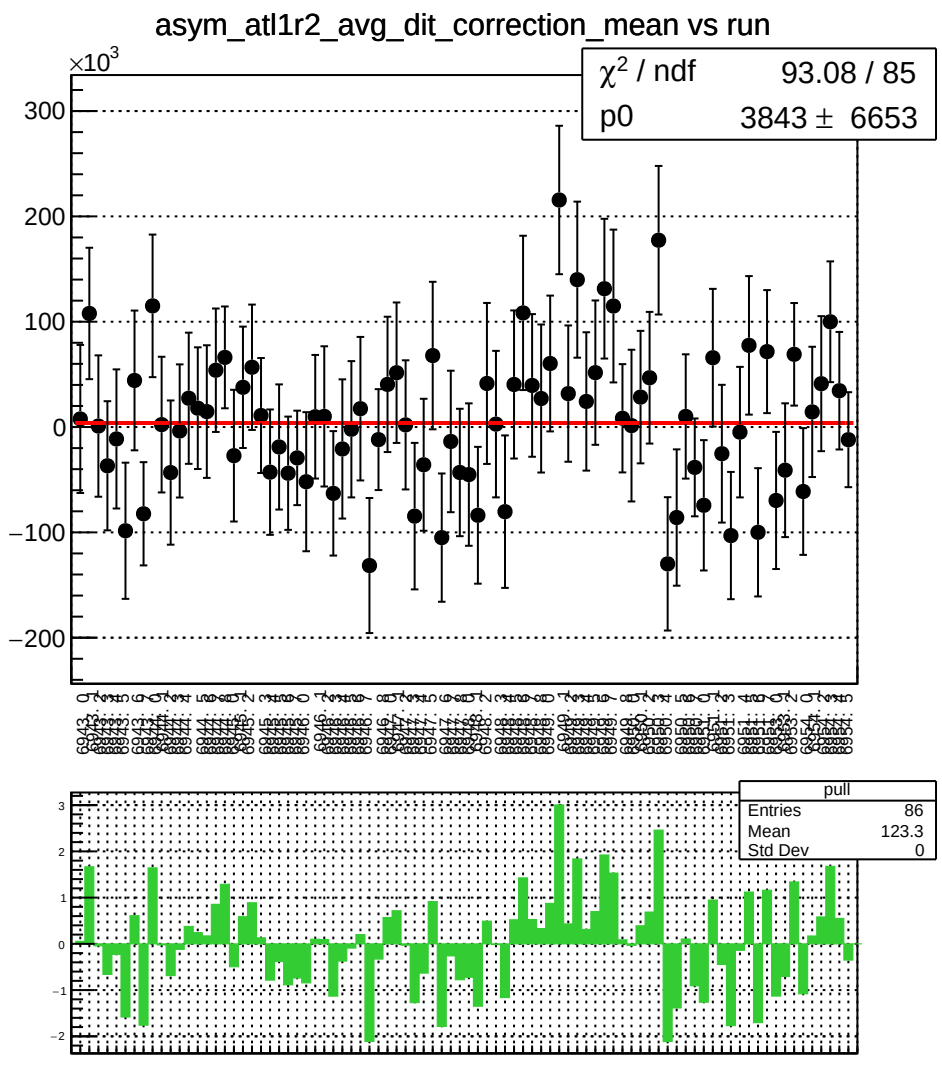

pull1D
Entries 86
Mean 0.02337
Std Dev 1.036

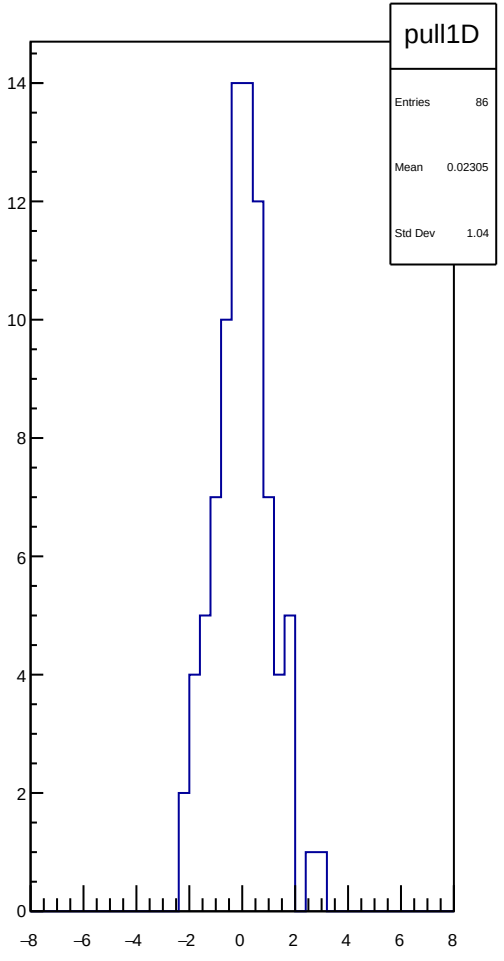

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8092 / 85
p0 5780 ± 4.503
7000
6500
6000
5500
5000

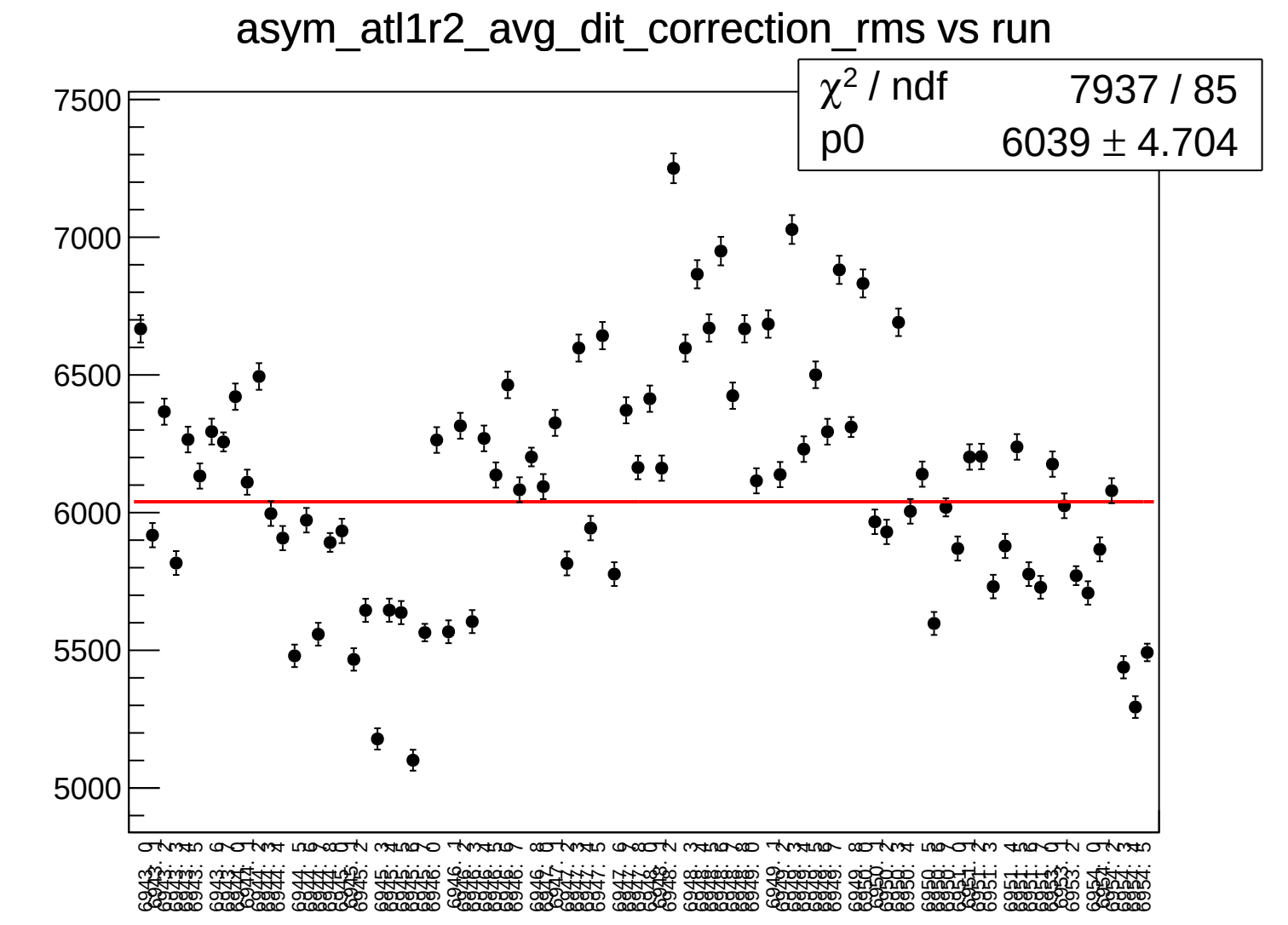

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 93.26 / 85
p0 1356 ± 1902
pull
Entries 86
Mean 194.4
Std Dev 0

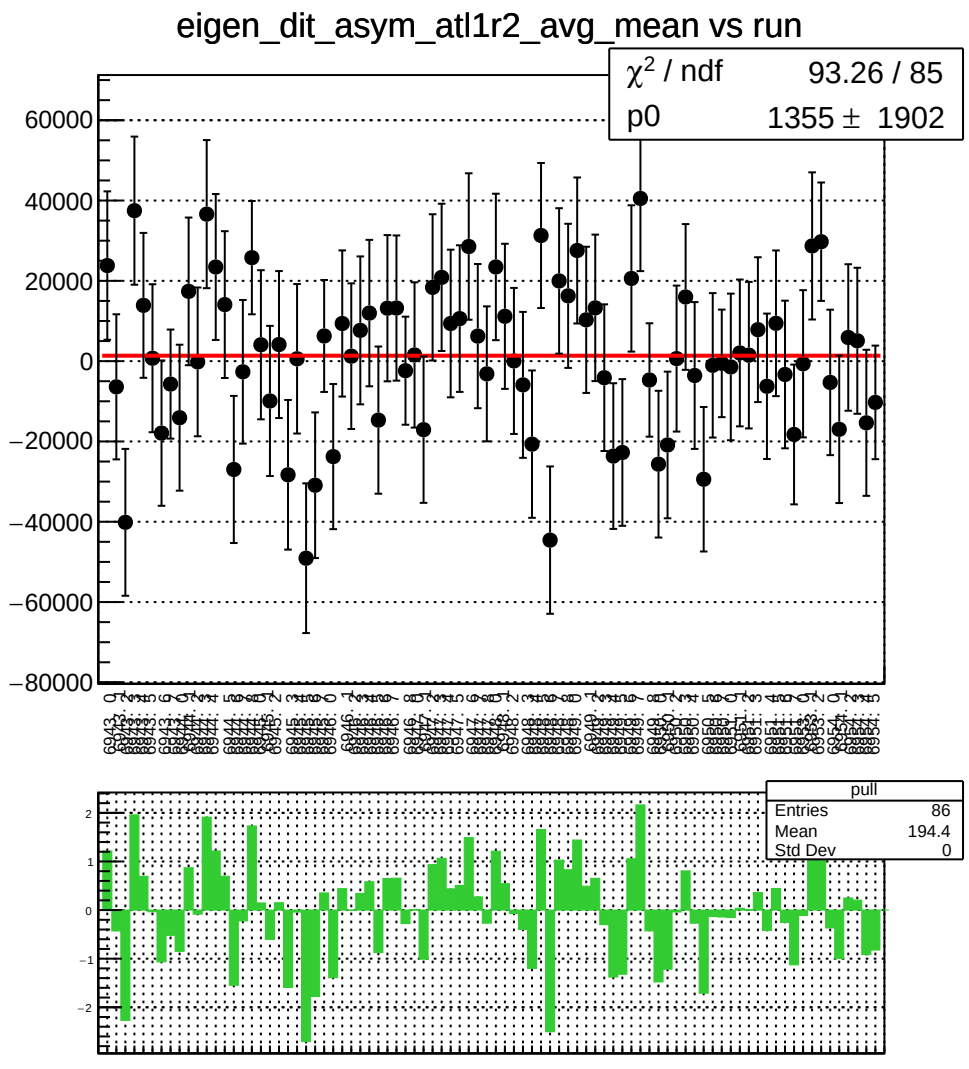

pull1D
Entries 86
Mean −0.004603
Std Dev 1.041

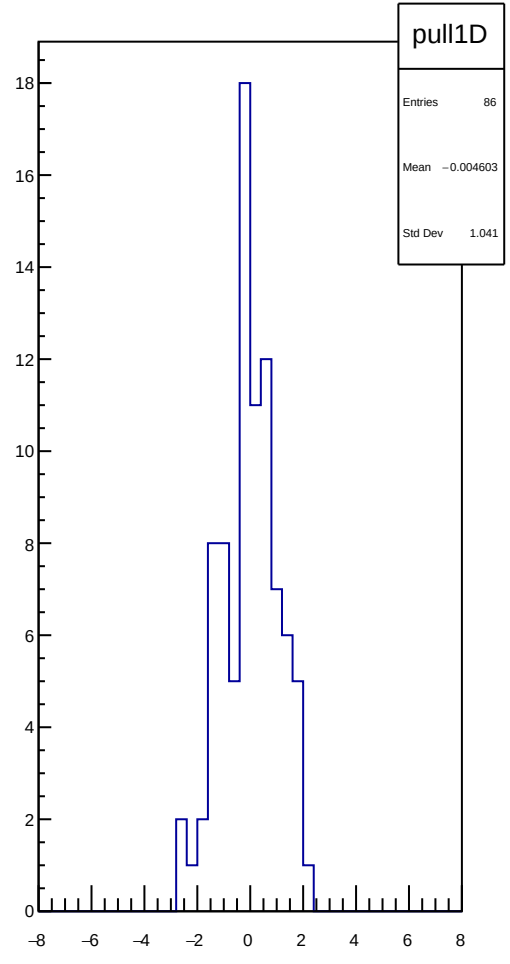

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 122.7 / 85
p0 1730 ± 1.345
1780
1760
1740
1720
1700
1680

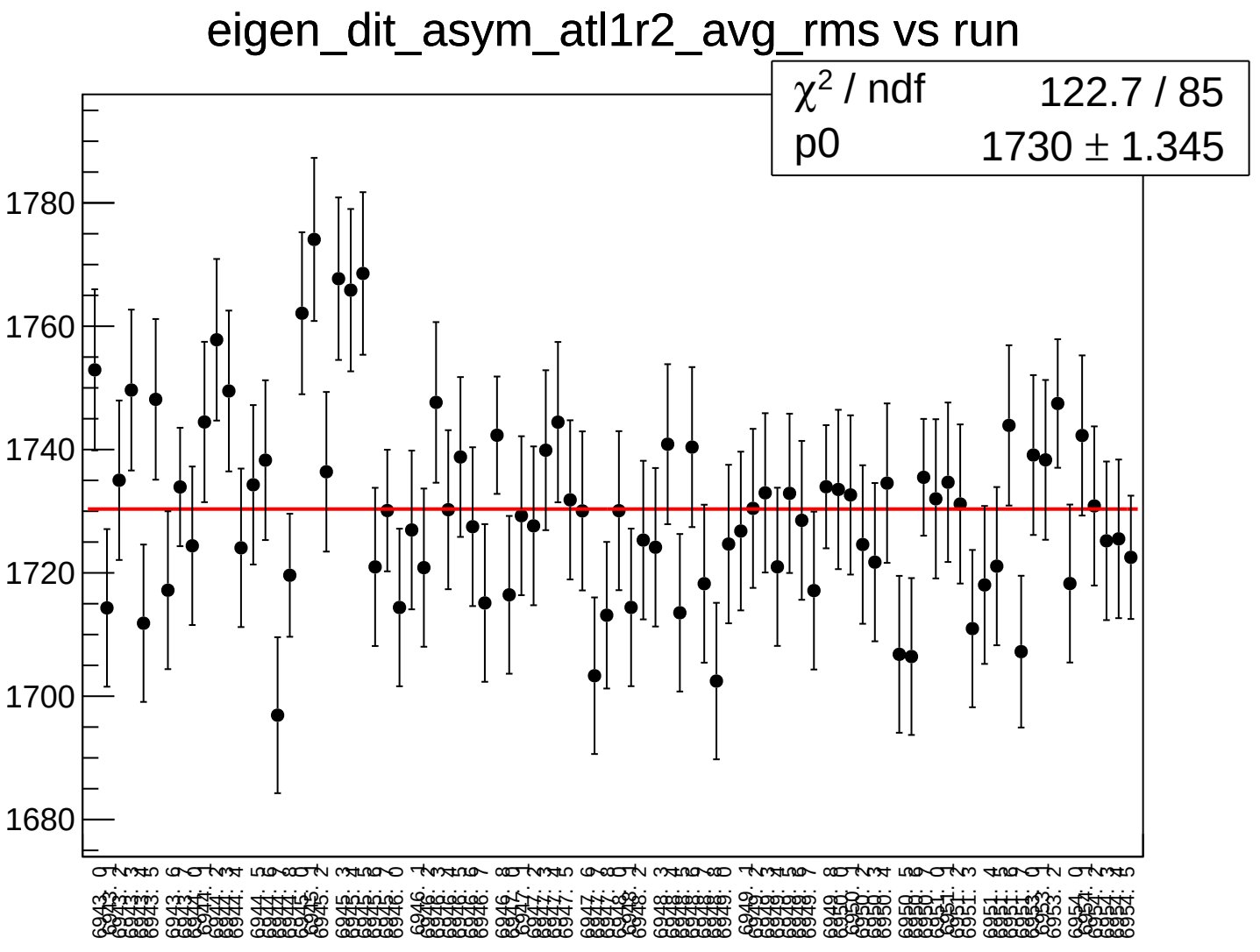

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 93.08 / 85
p0 3843 ± 6653
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2

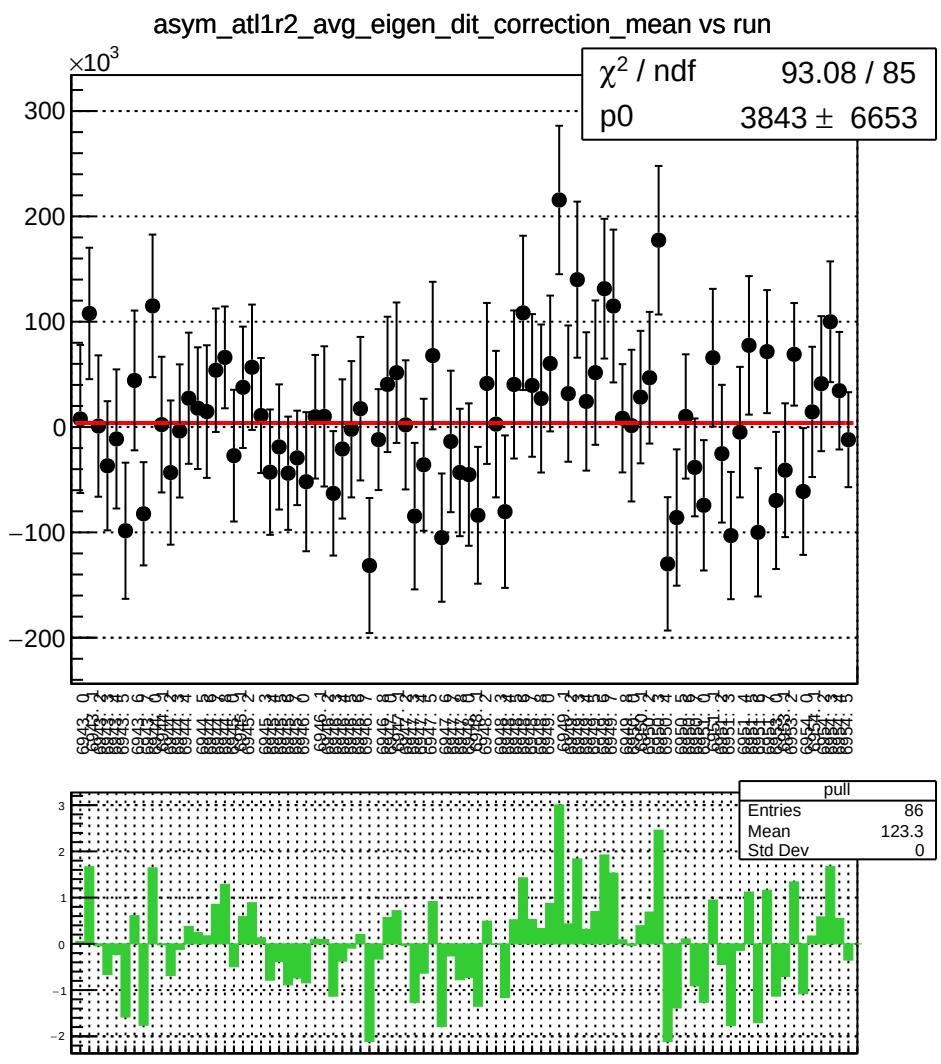

pull1D
Entries 86
Mean 0.02305
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

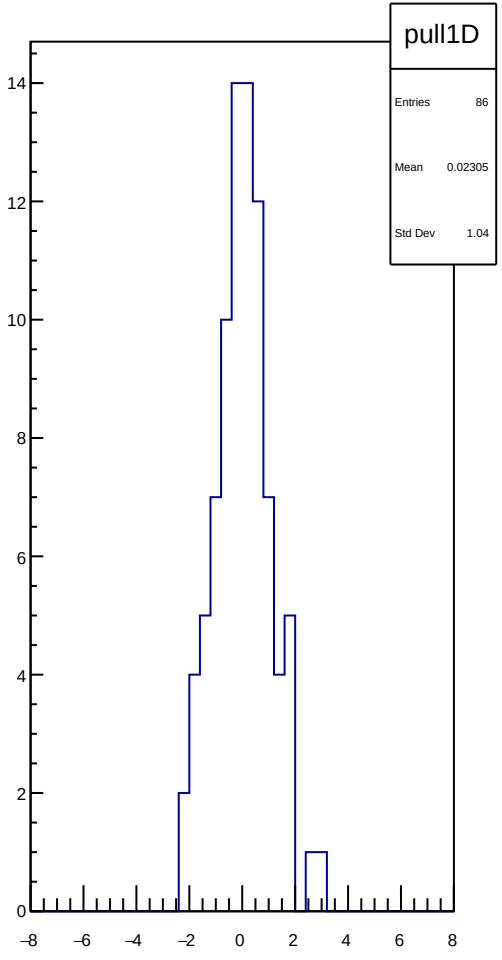

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 7937 / 85
p0 6039 ± 4.704
7500
7000
6500
6000
5500
5000

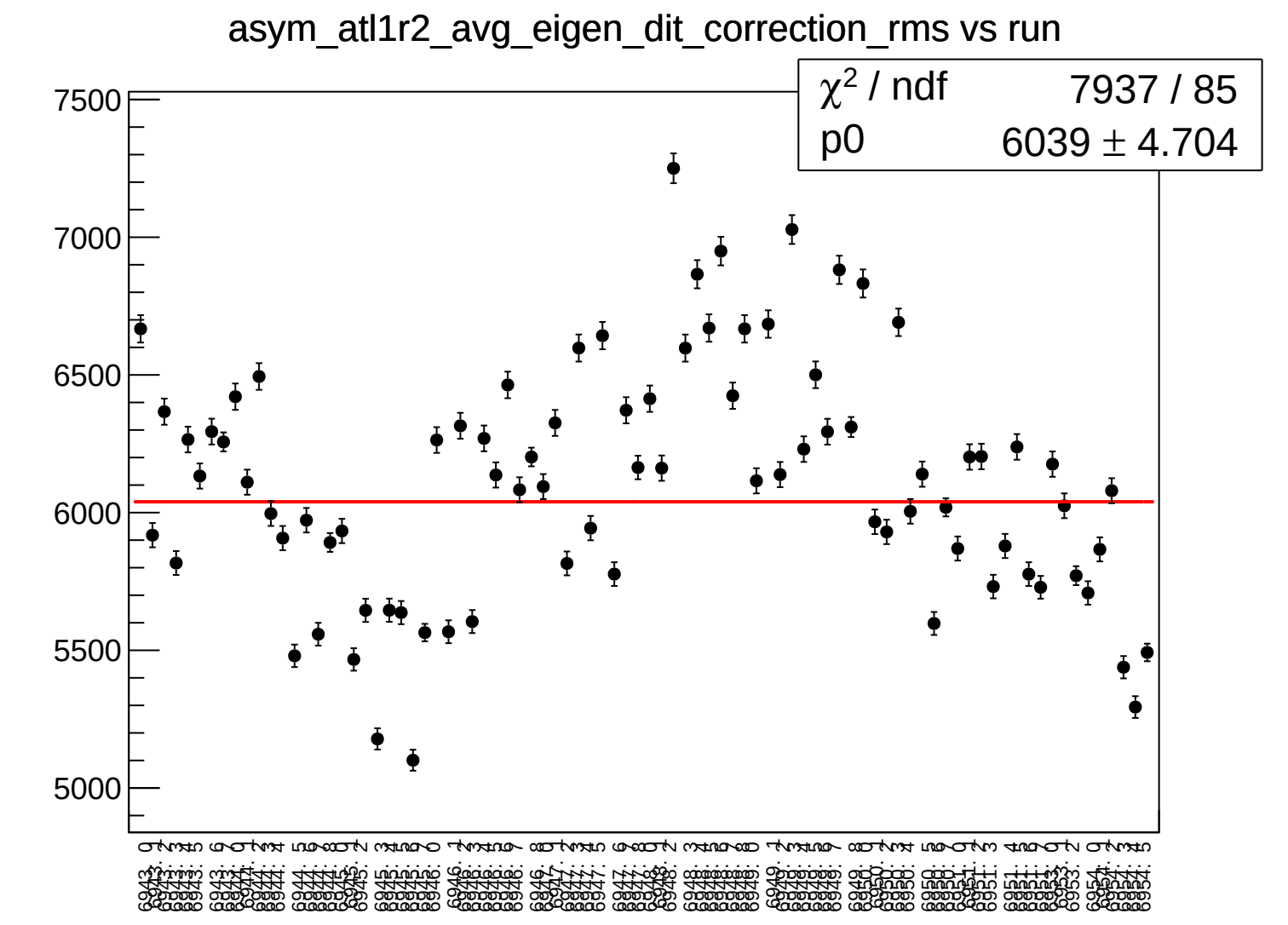

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 93.26 / 85
p0 1355 ± 1902
pull
Entries 86
Mean 194.4
Std Dev 0

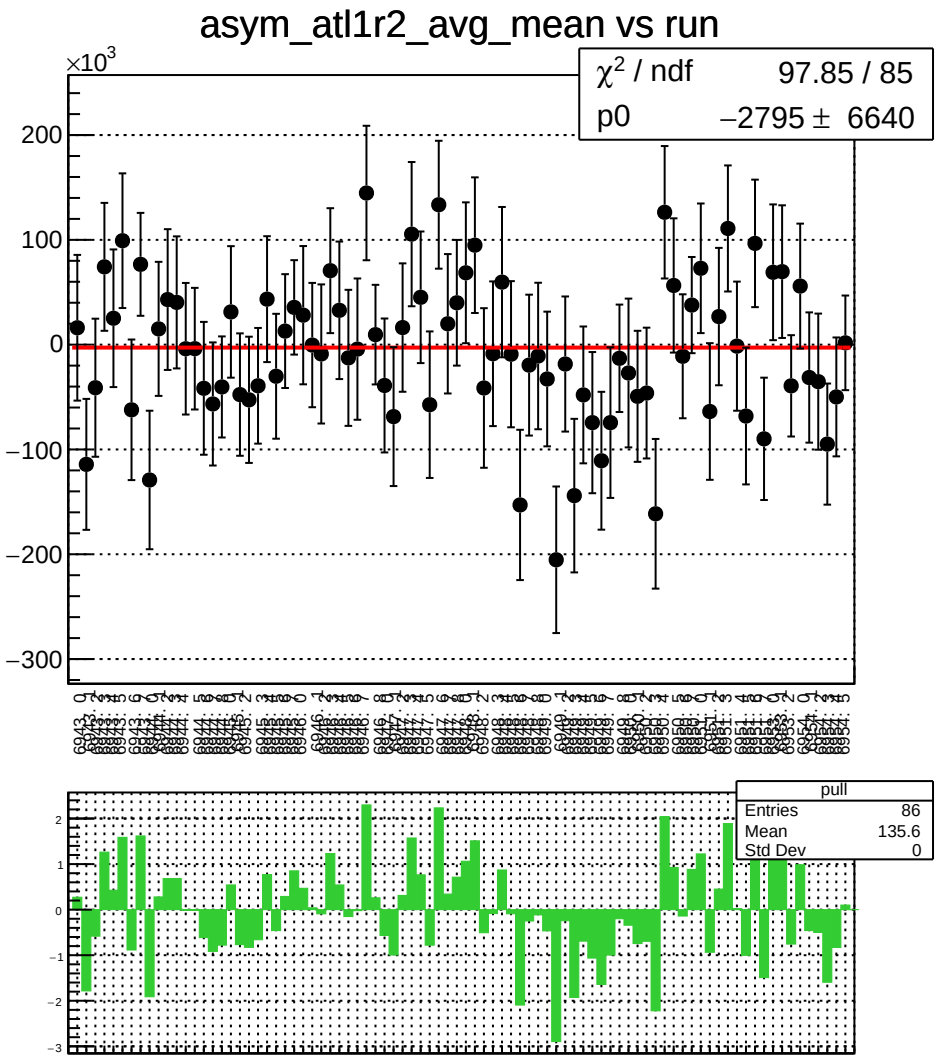

pull1D
Entries 86
Mean −0.004603
Std Dev 1.041

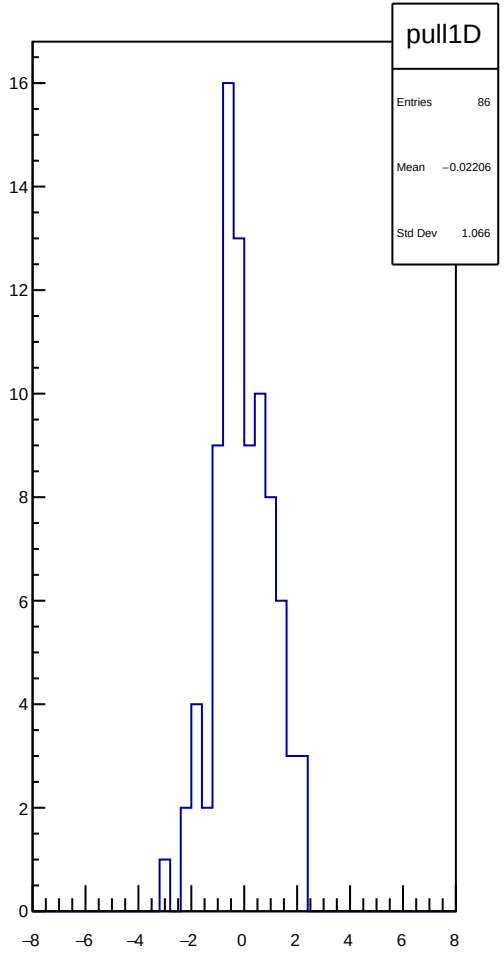

eigen_dit_asym_atl1r2_avg_rms vs run
χ^2 / ndf 122.7 / 85
p0 1730 ± 1.345
1780
1760
1740
1720
1700
1680

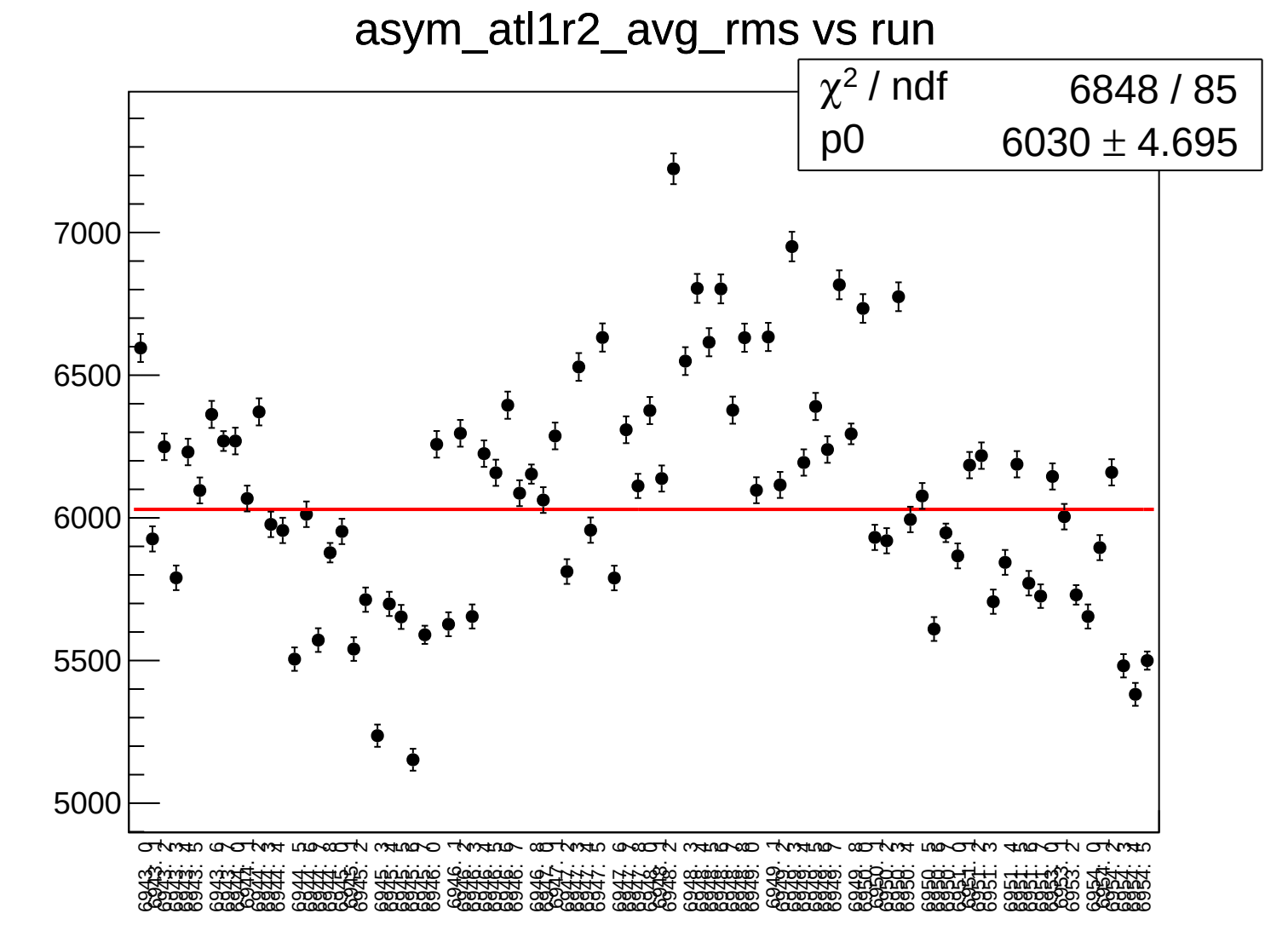

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 93.08 / 85
p0 3843 ± 6653
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2

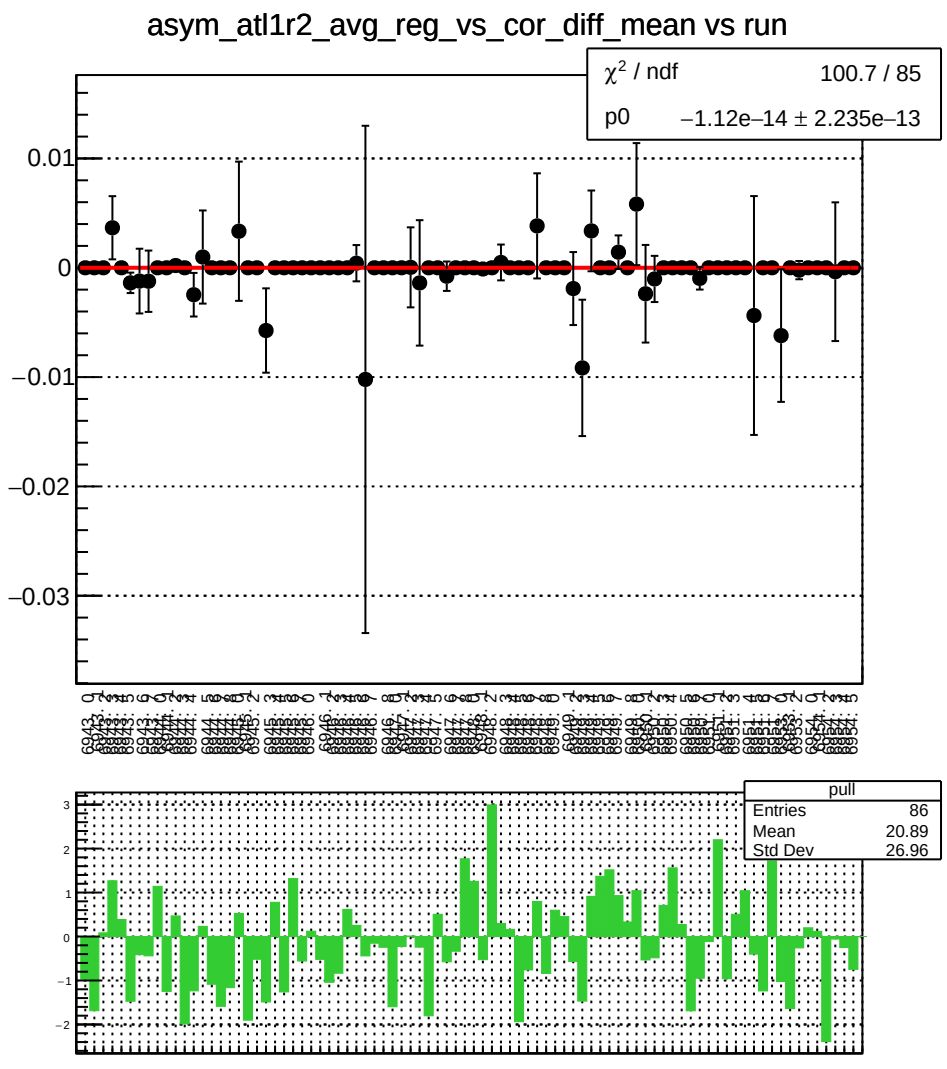

pull1D
Entries 86
Mean 0.02305
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

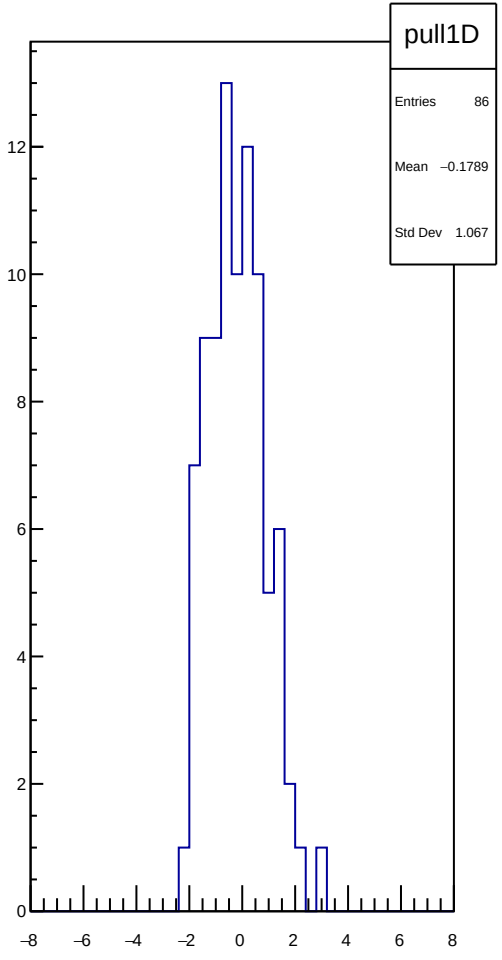

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7937 / 85
p0 6039 ± 4.704
7500
7000
6500
6000
5500
5000

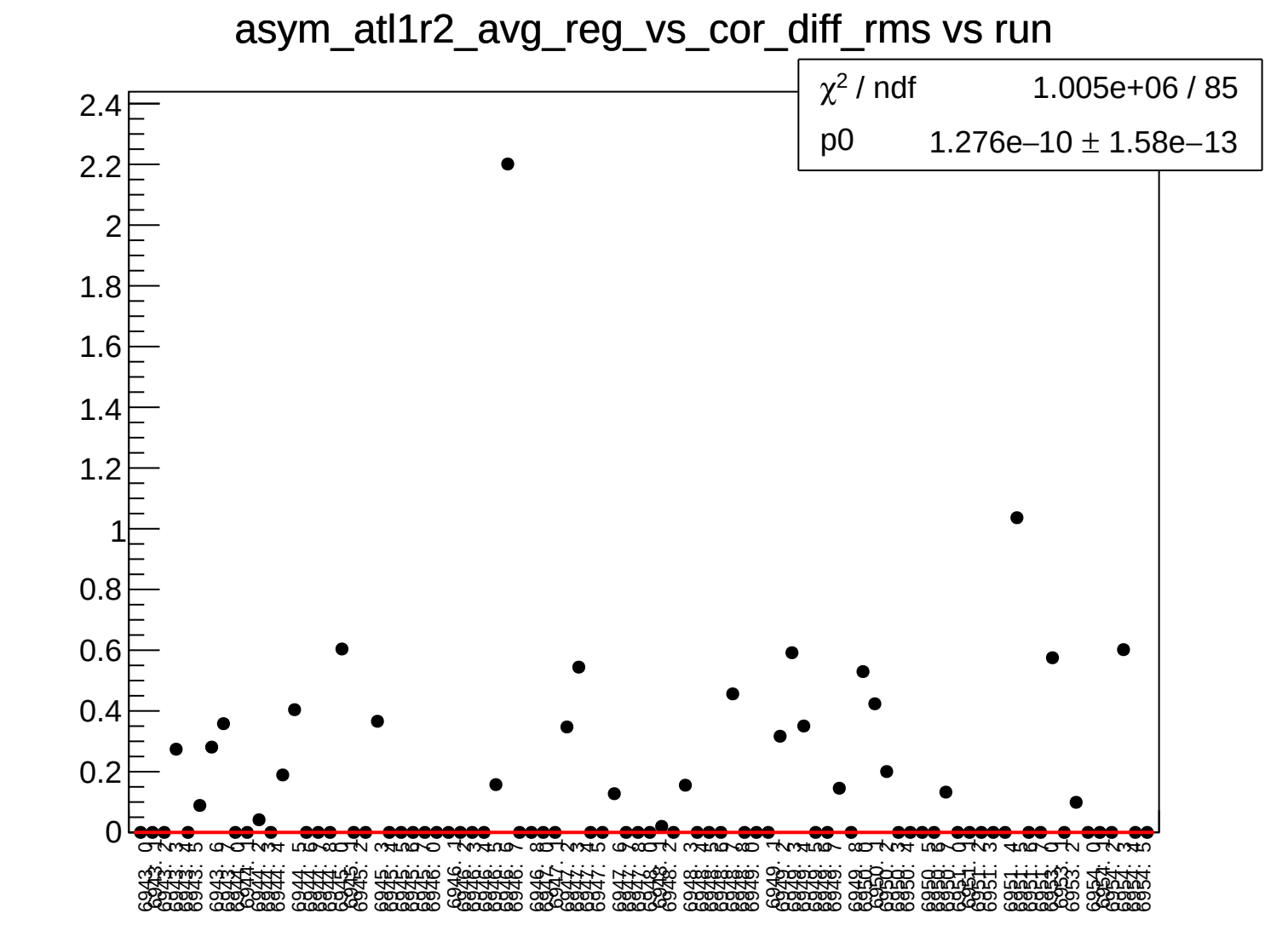

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 97.85 / 85
p0 −2795 ± 6640
200
100
0
−100
−200
−300
pull
Entries 86
Mean 135.6
Std Dev 0
2
1
0
−1
−2
−3

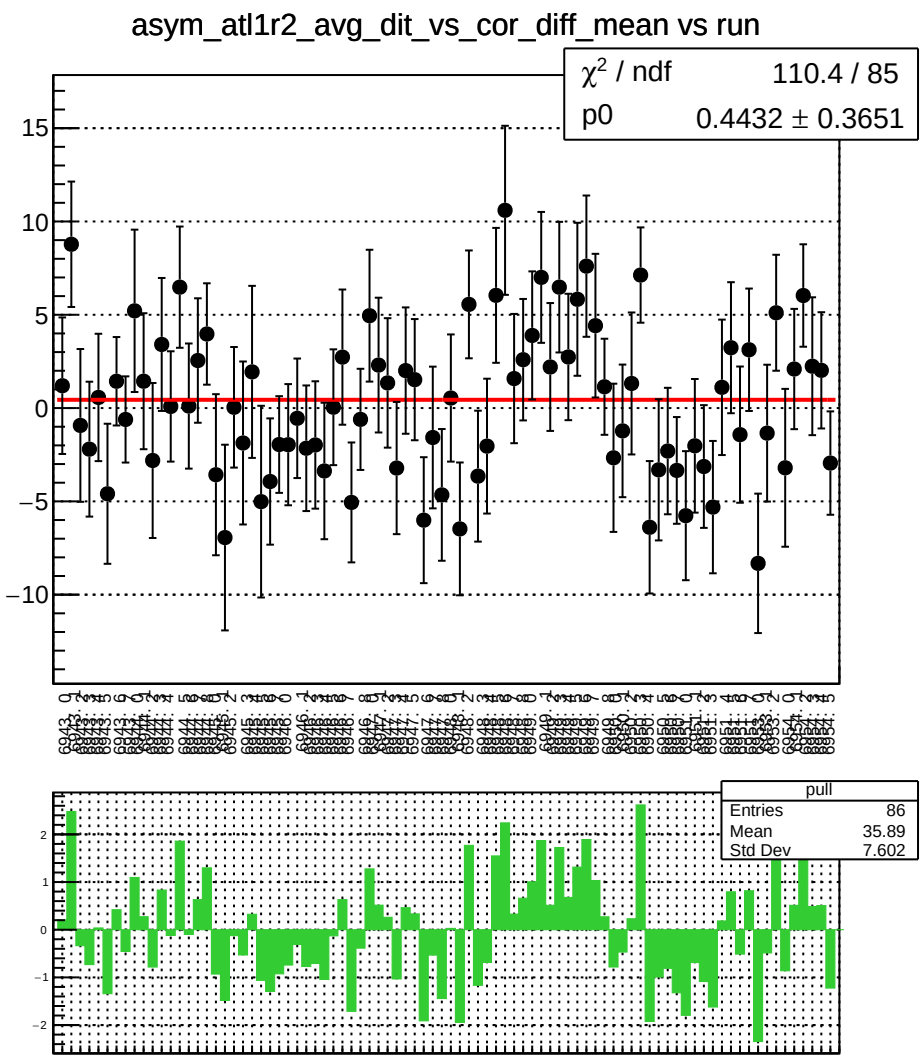

pull1D
Entries 86
Mean −0.02206
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

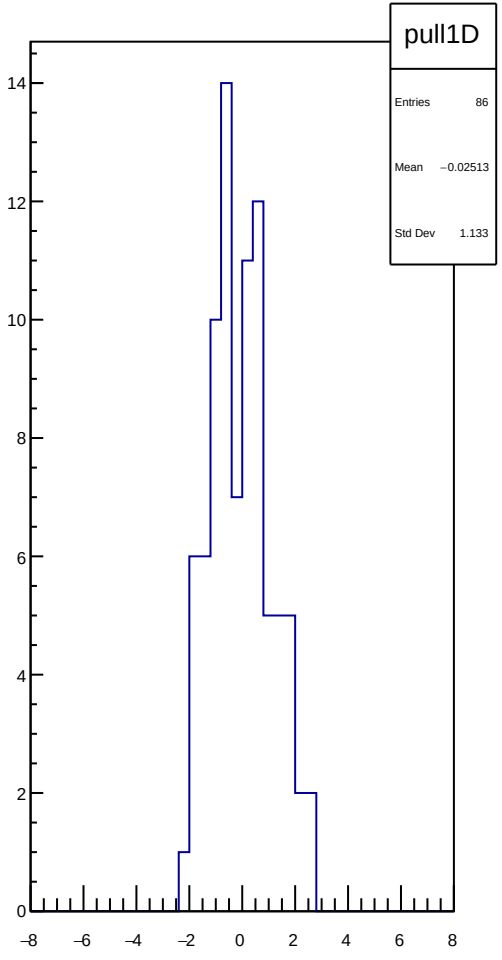

asym_atl1r2_avg_rms vs run
χ^2 / ndf 6848 / 85
p0 6030 ± 4.695
7000
6500
6000
5500
5000

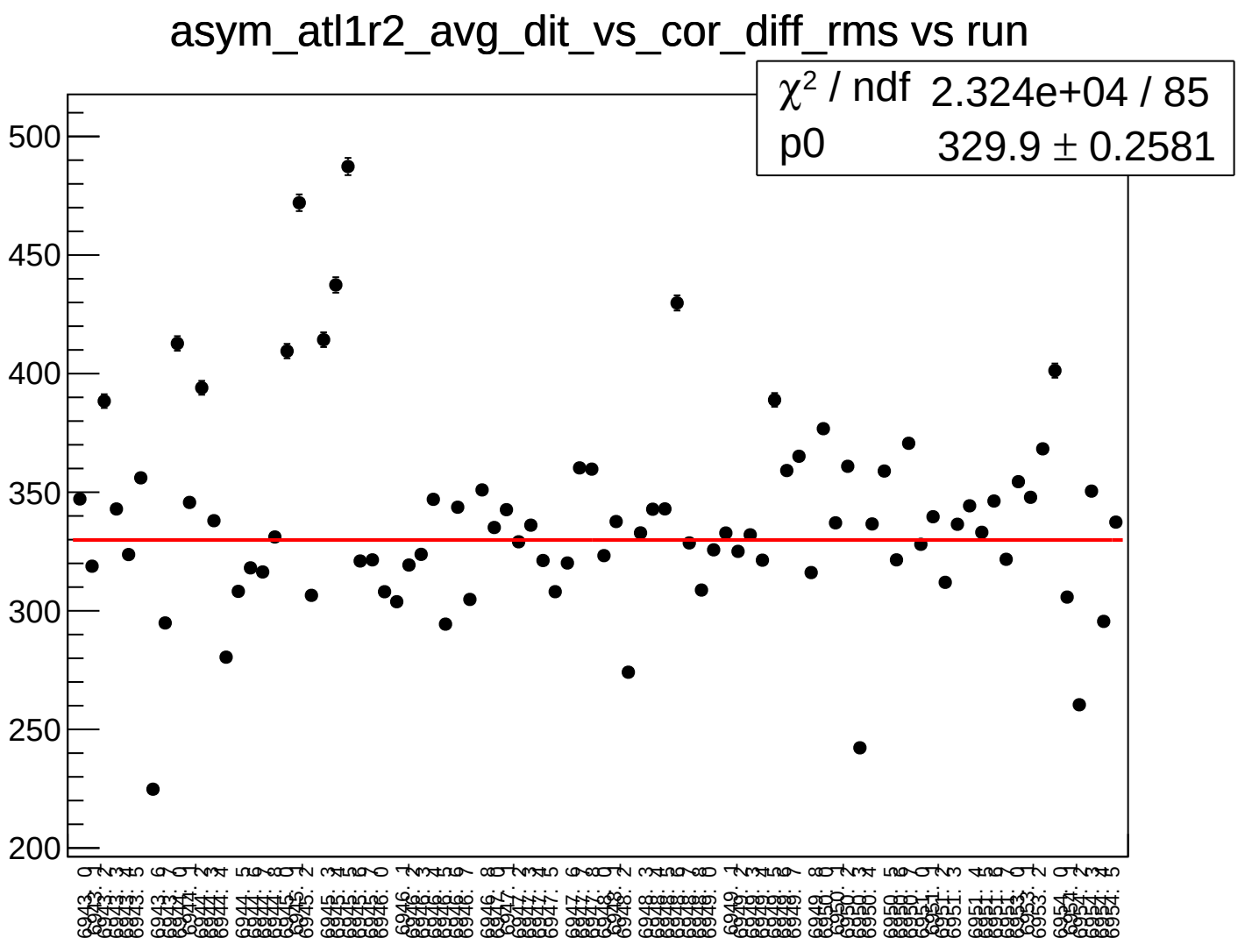

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 100.7 / 85
p0 −1.12e−14 ± 2.235e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 86
Mean 20.89
Std Dev 26.96
3
2
1
0
−1
−2

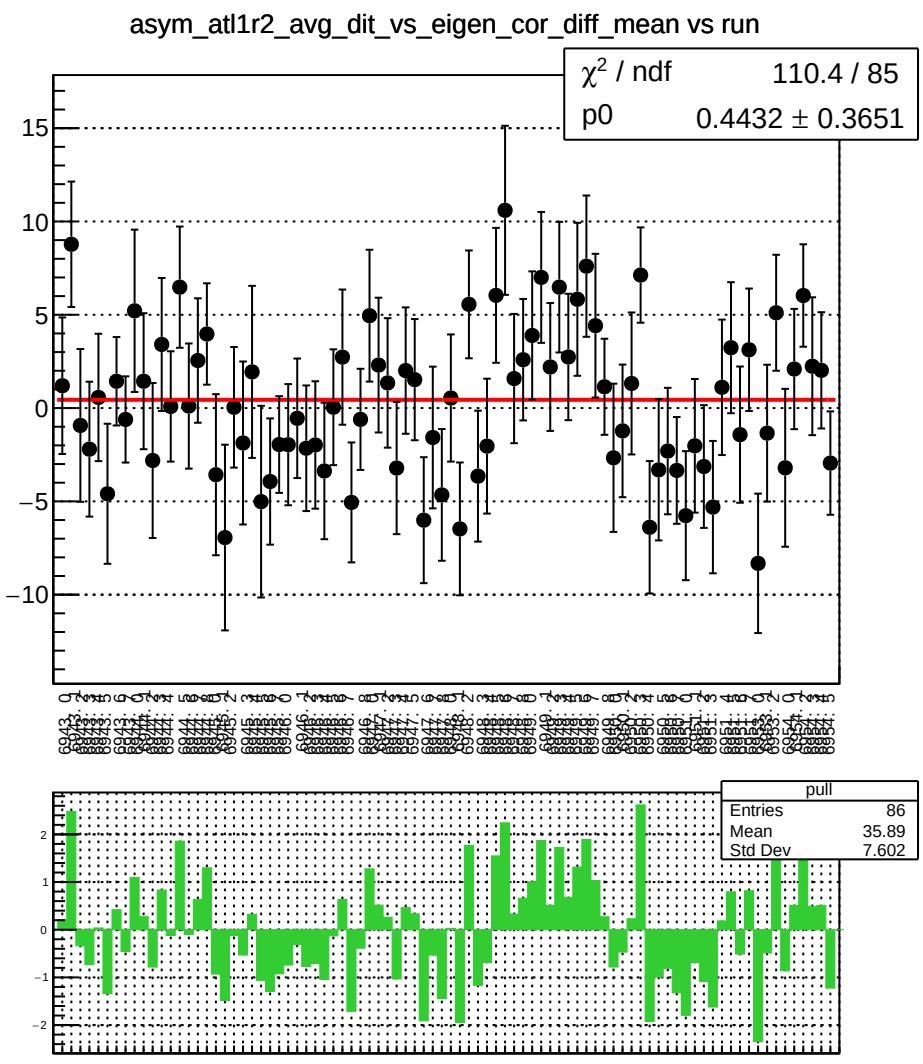

pull1D
Entries 86
Mean −0.1789
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

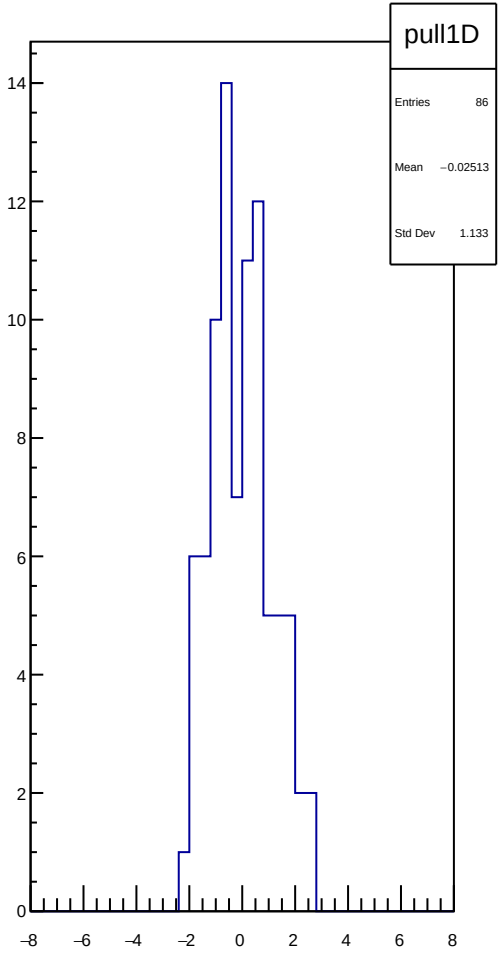

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.005e+06 / 85
p0 1.276e−10 ± 1.58e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

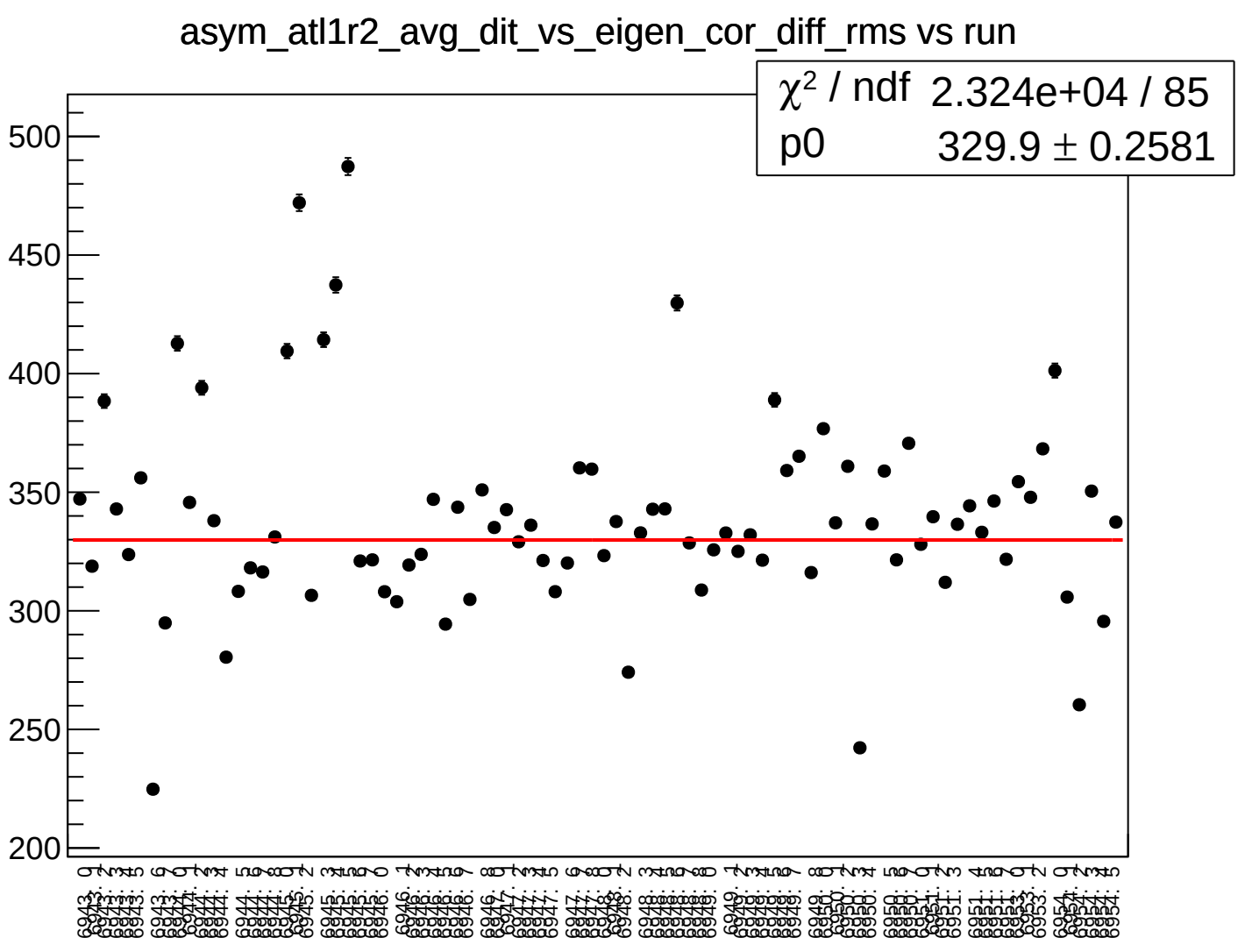

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.4432 ± 0.3651
pull
Entries 86
Mean 35.89
Std Dev 7.602

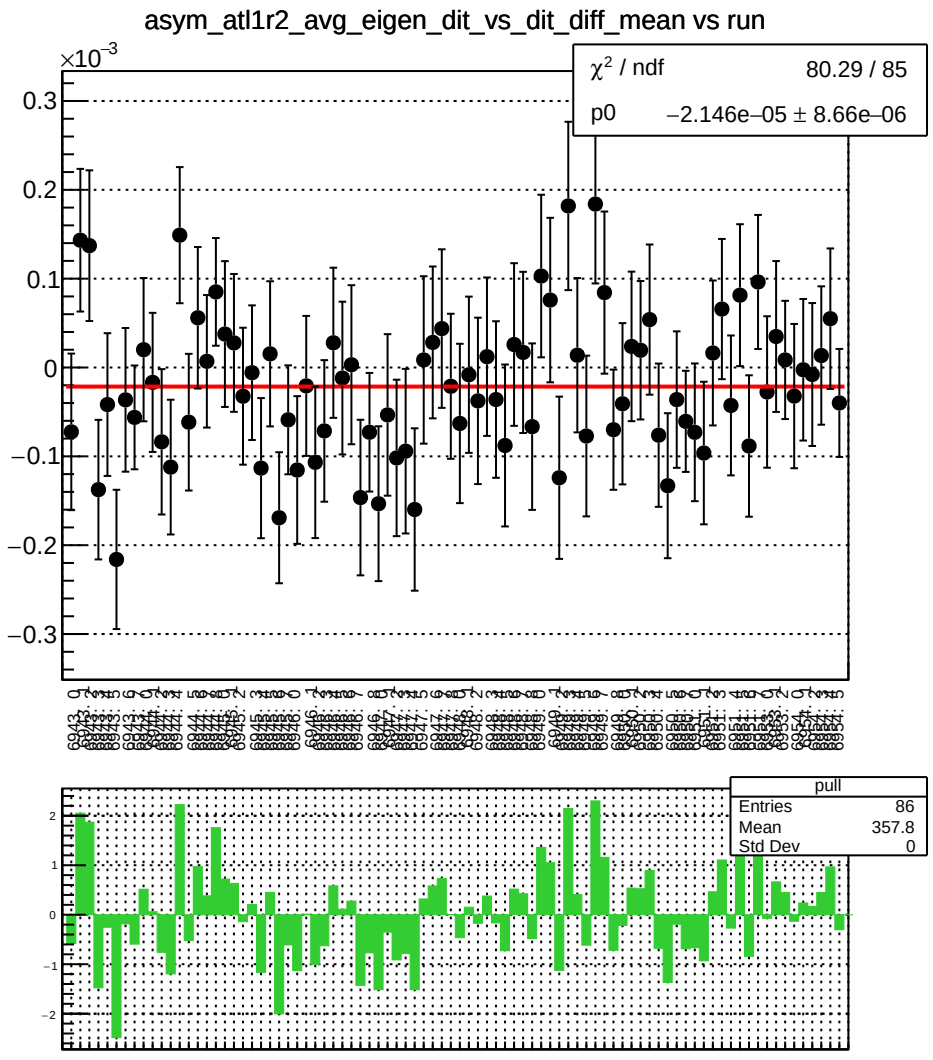

pull1D
Entries 86
Mean −0.02513
Std Dev 1.133

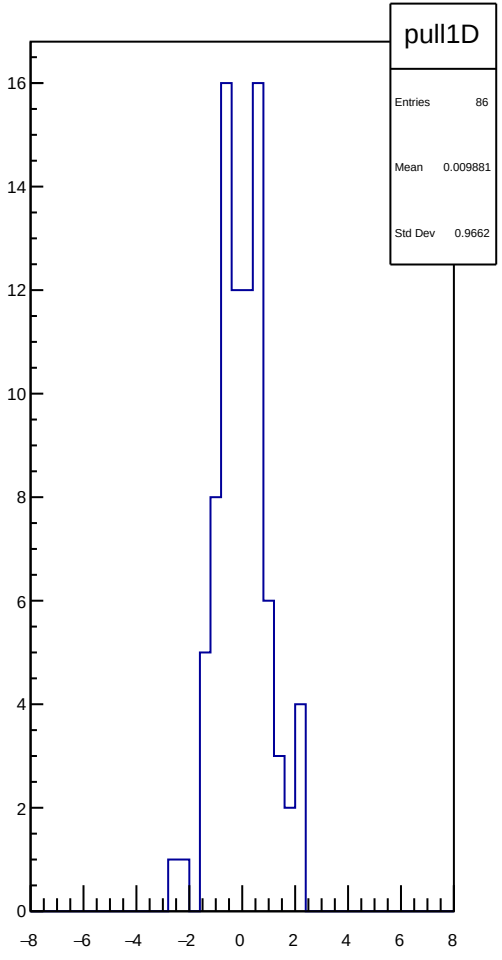

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.324e+04 / 85
p0 329.9 ± 0.2581
500
450
400
350
300
250
200

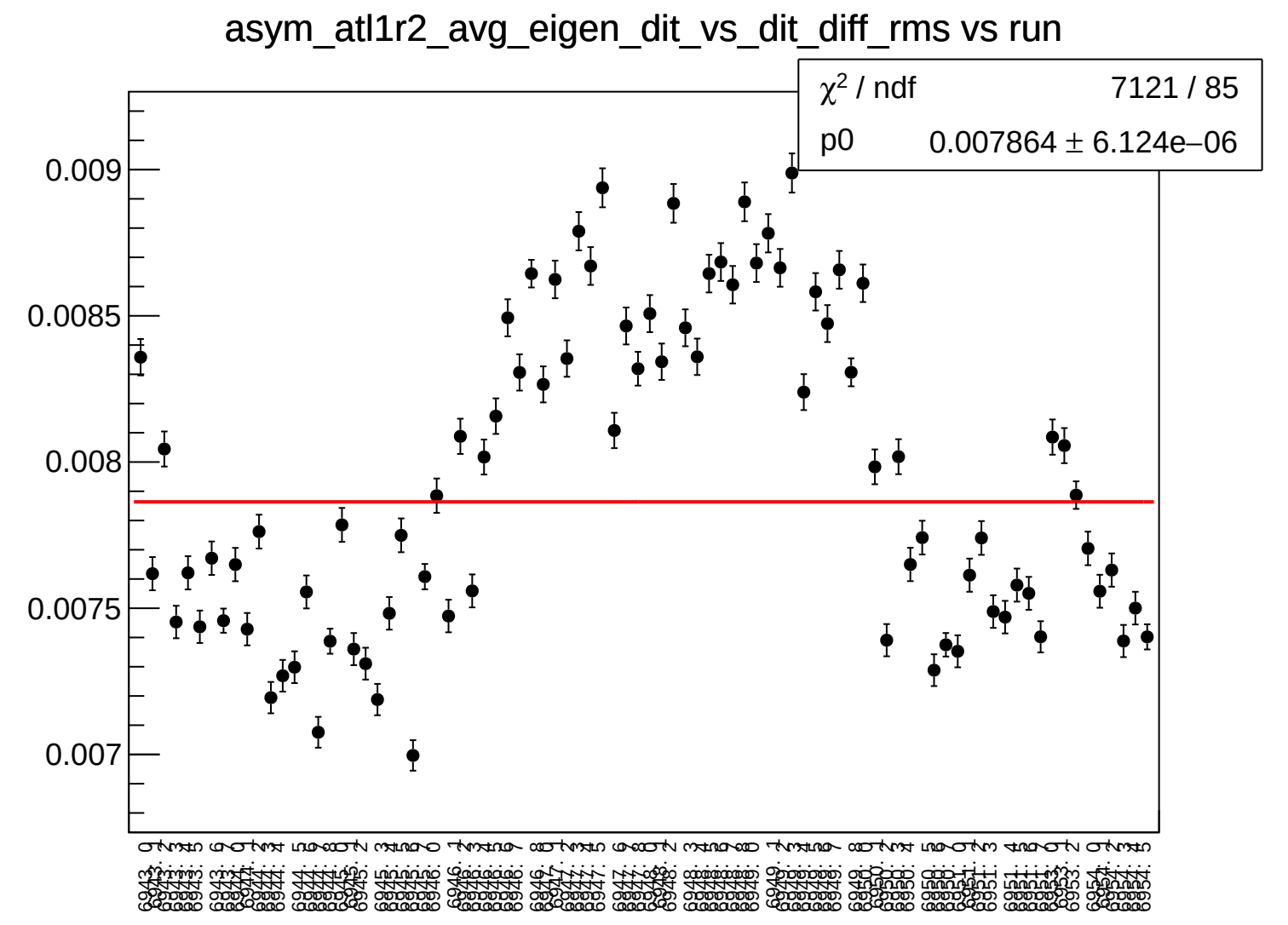

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.4432 ± 0.3651
pull
Entries 86
Mean 35.89
Std Dev 7.602

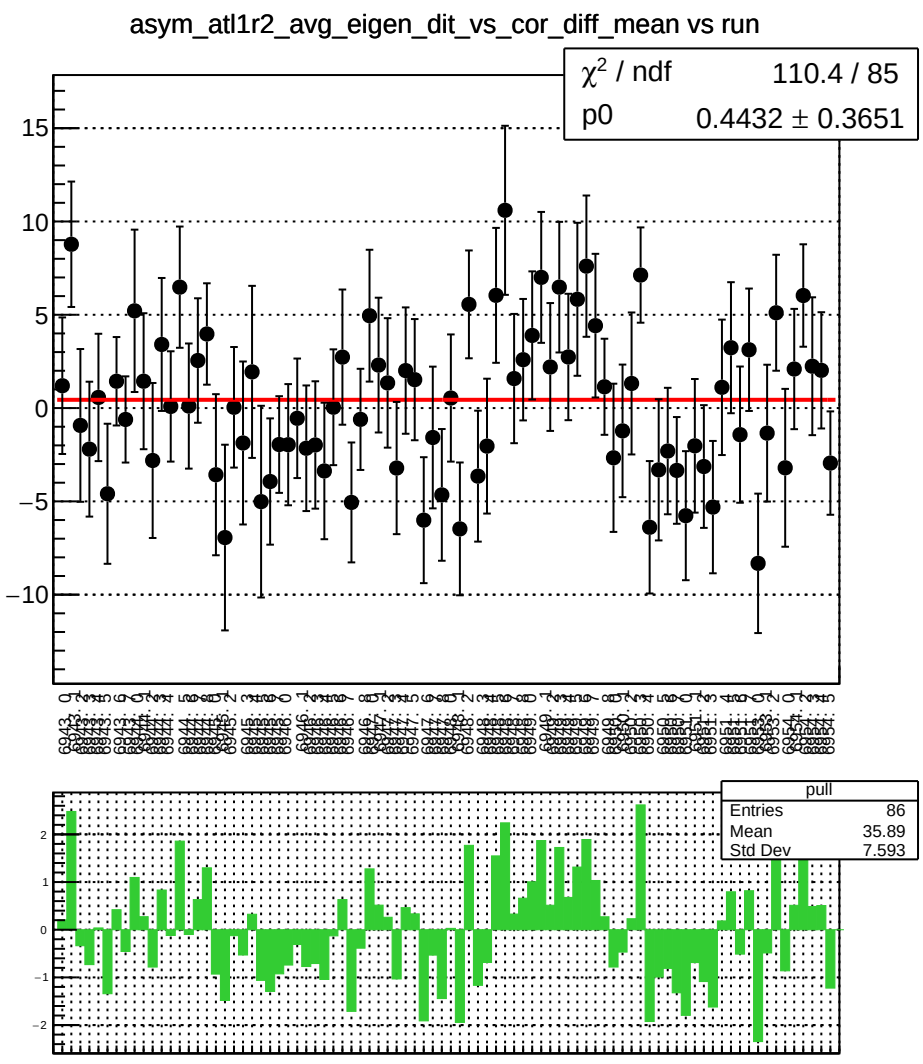

pull1D
Entries 86
Mean −0.02513
Std Dev 1.133

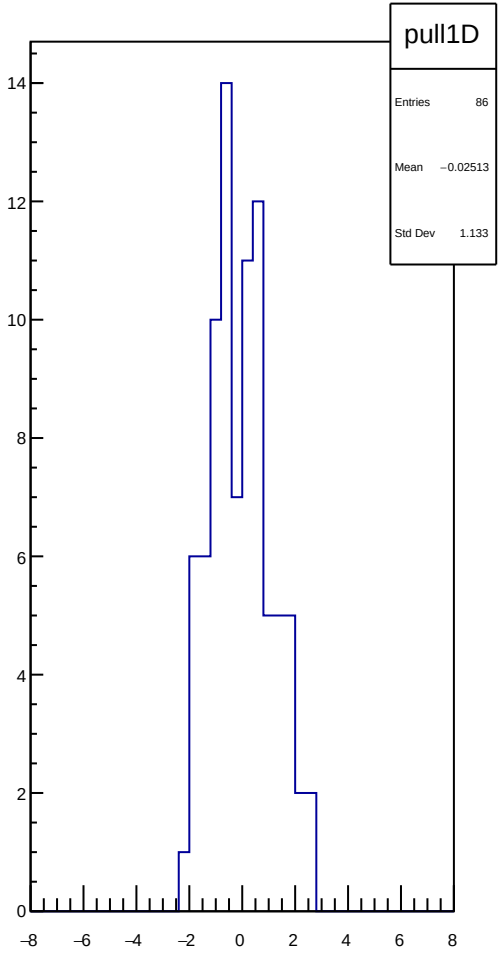

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.324e+04 / 85
p0 329.9 ± 0.2581
500
450
400
350
300
250
200

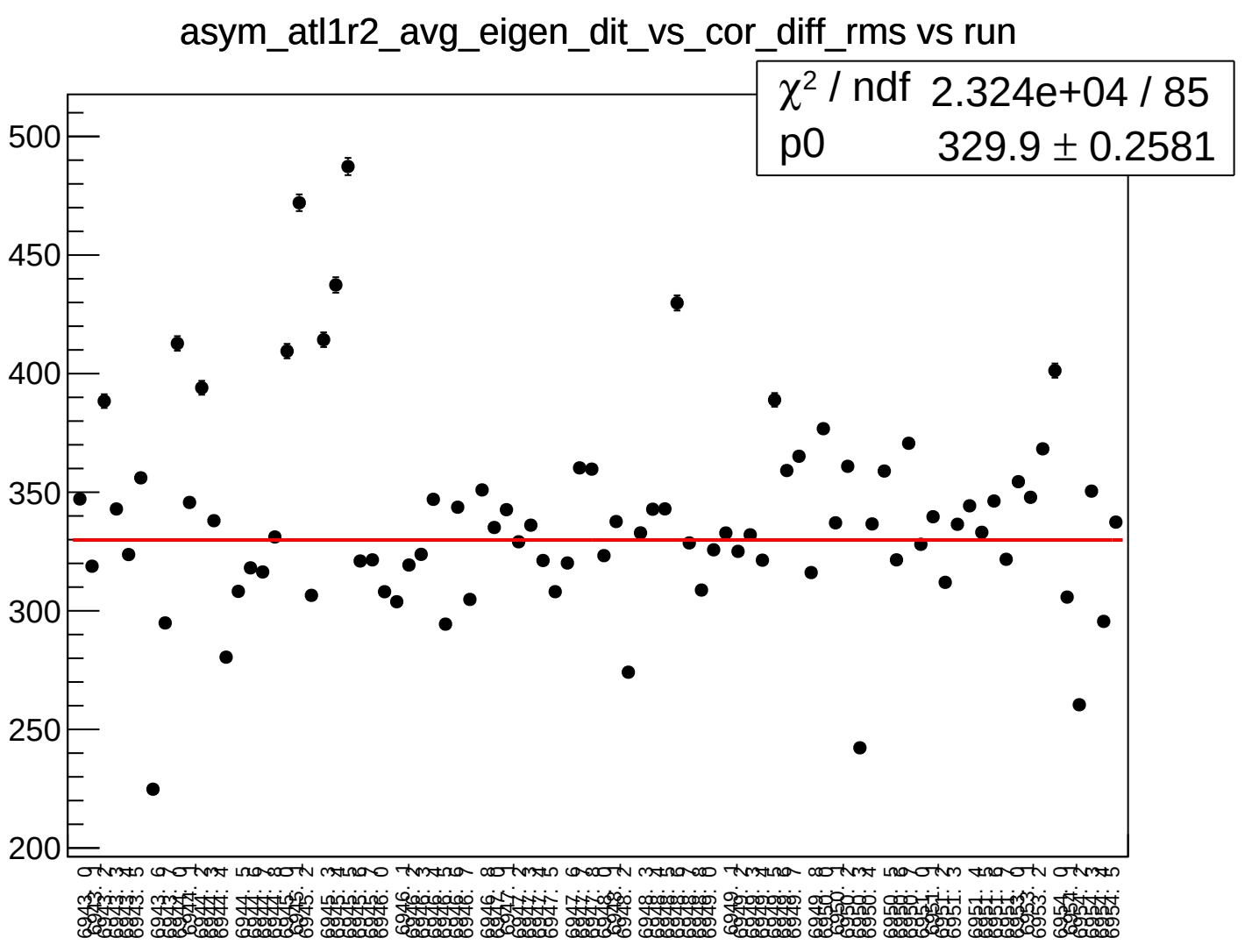

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.29 / 85
p0 −2.146e−05 ± 8.66e−06
pull
Entries 86
Mean 357.8
Std Dev 0

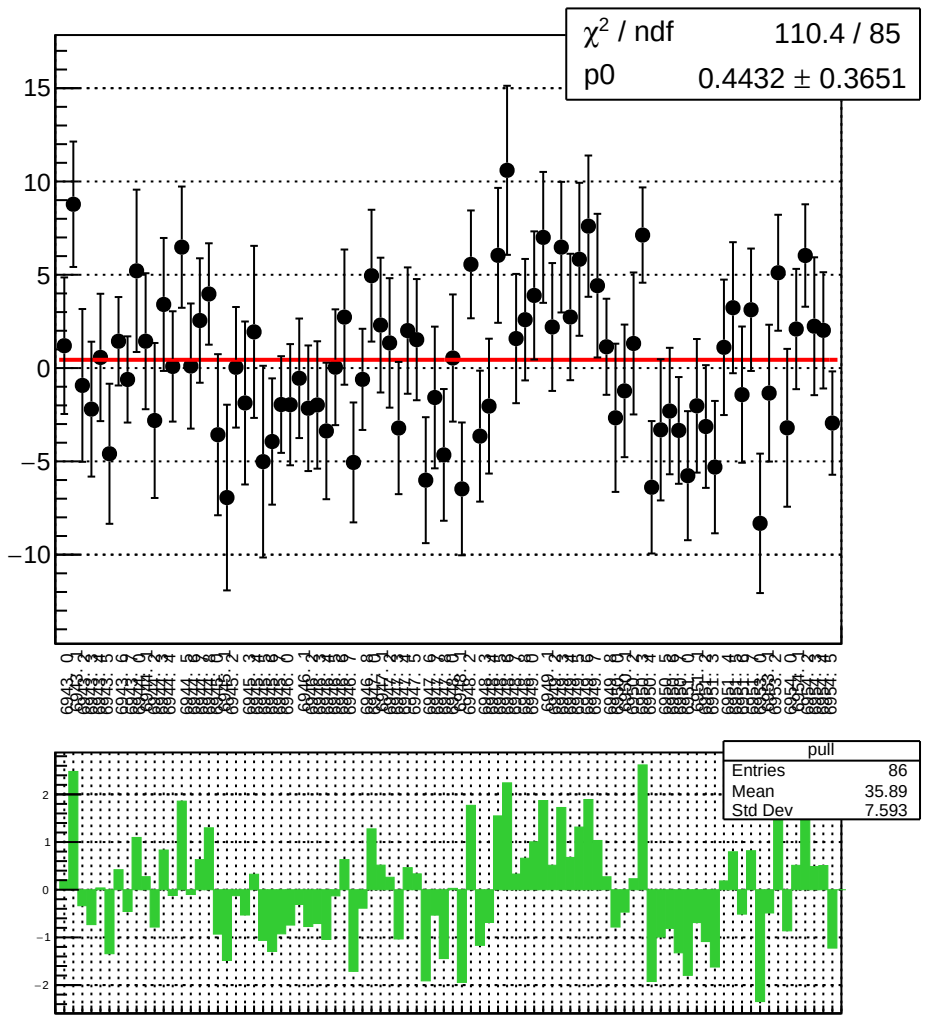

pull1D
Entries 86
Mean 0.009881
Std Dev 0.9662

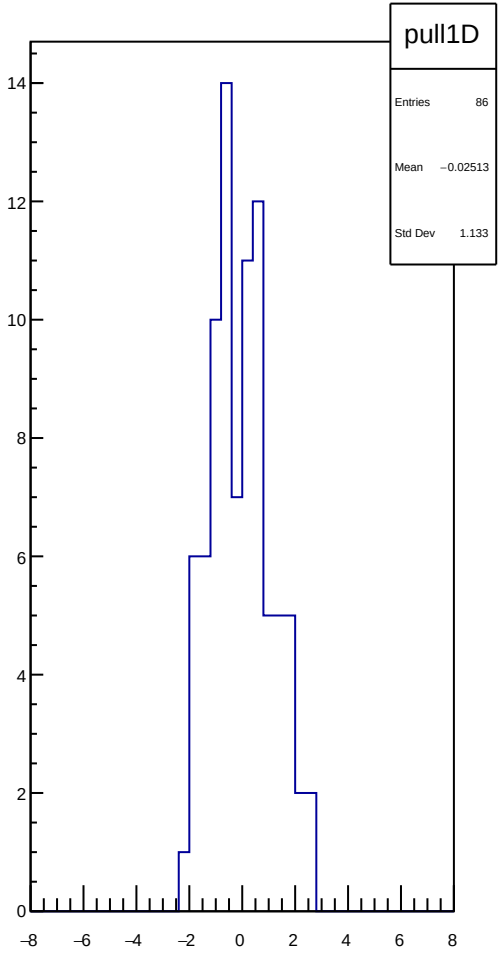

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7121 / 85
p0 0.007864 ± 6.124e−06
0.009
0.0085
0.008
0.0075
0.007

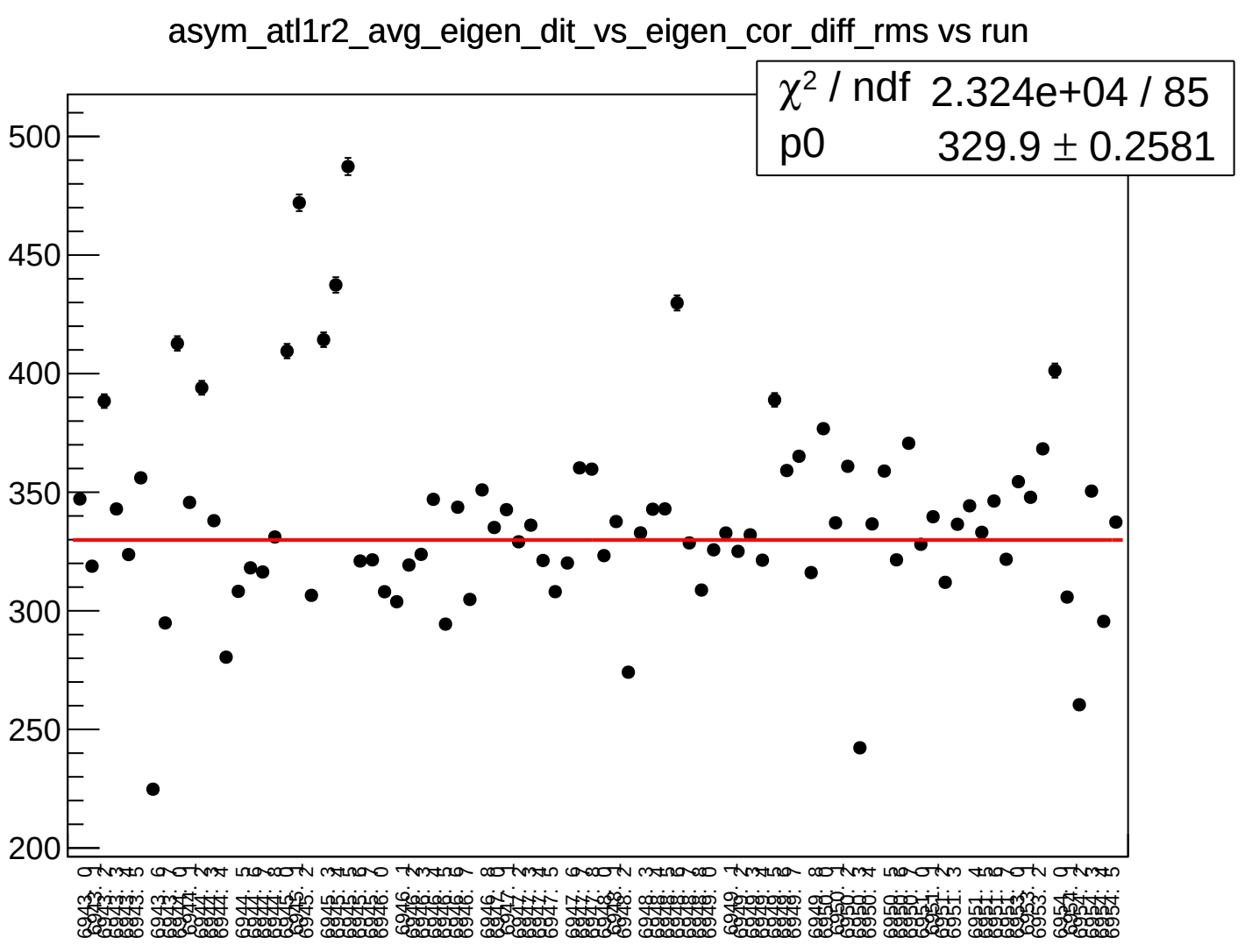

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.4432 ± 0.3651
pull
Entries 86
Mean 35.89
Std Dev 7.593

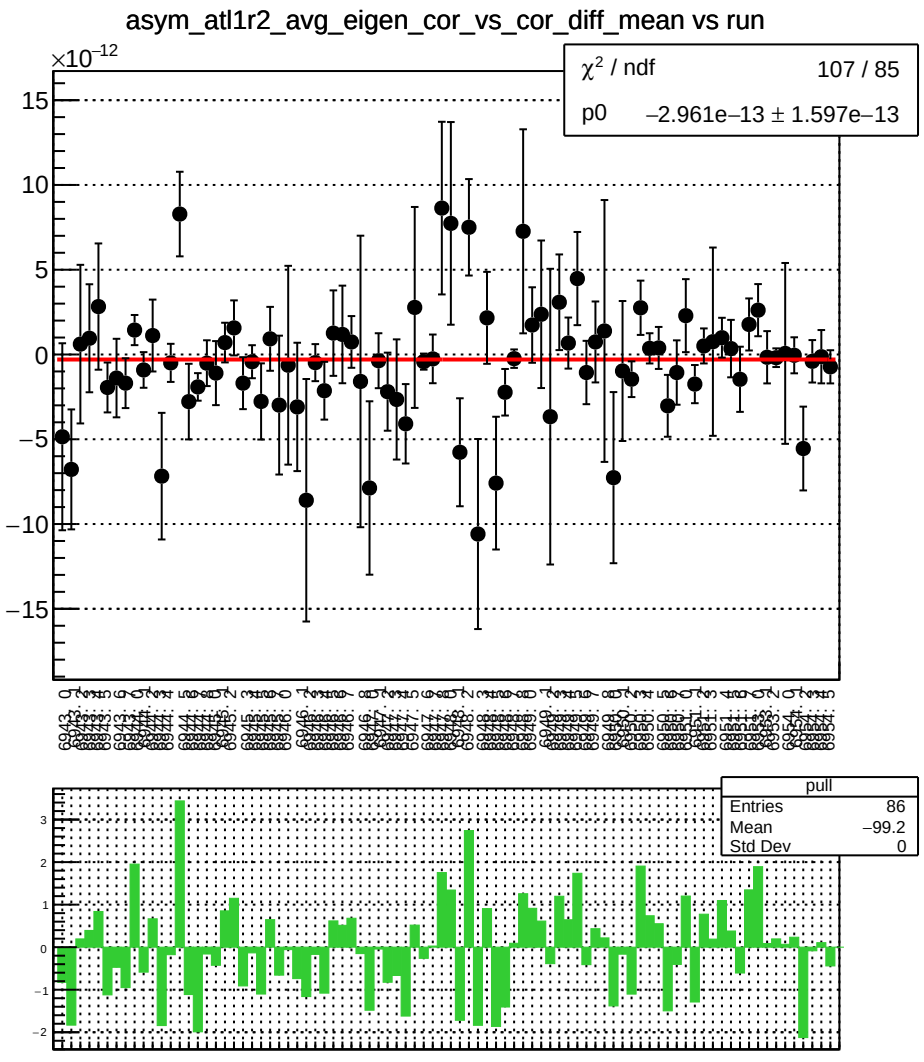

pull1D
Entries 86
Mean −0.02513
Std Dev 1.133

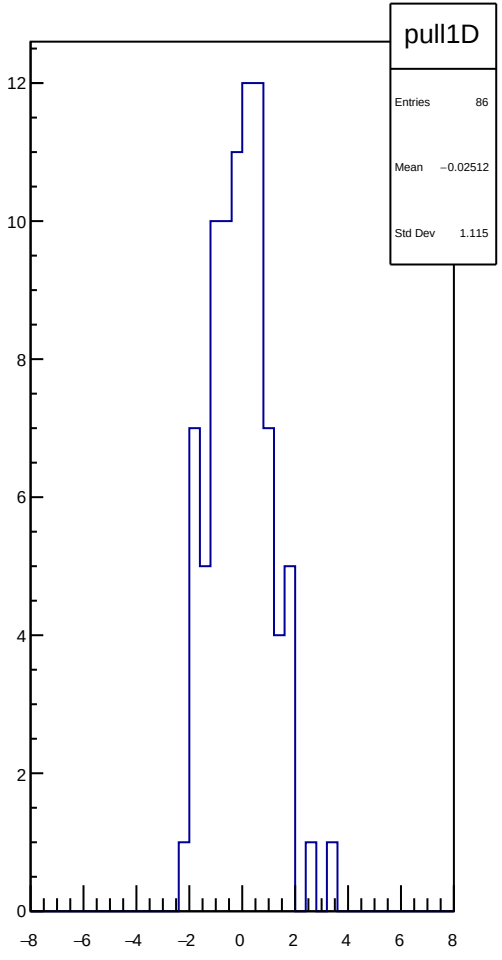

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.324e+04 / 85
p0 329.9 ± 0.2581
500
450
400
350
300
250
200

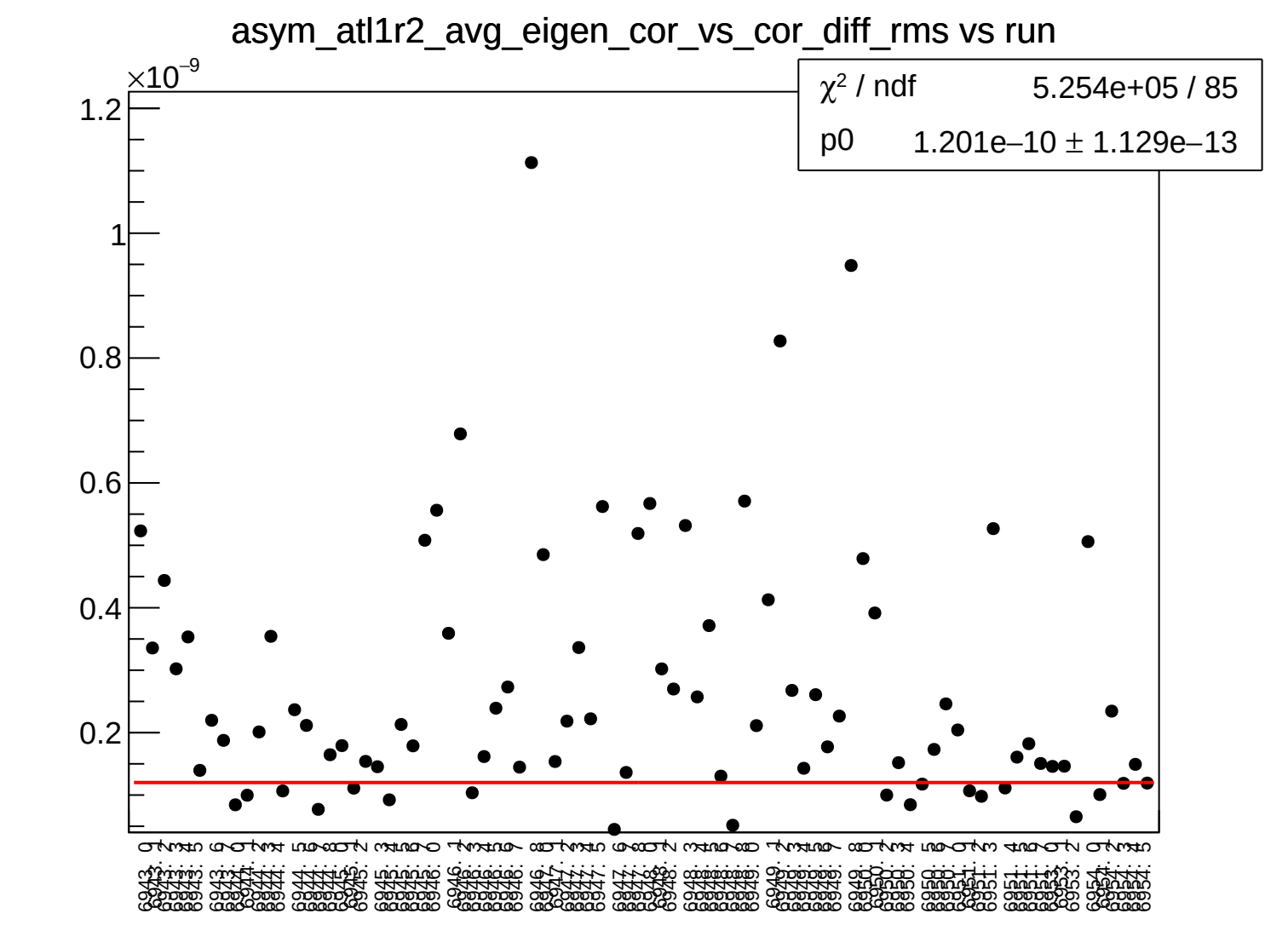

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.4432 ± 0.3651
pull
Entries 86
Mean 35.89
Std Dev 7.593

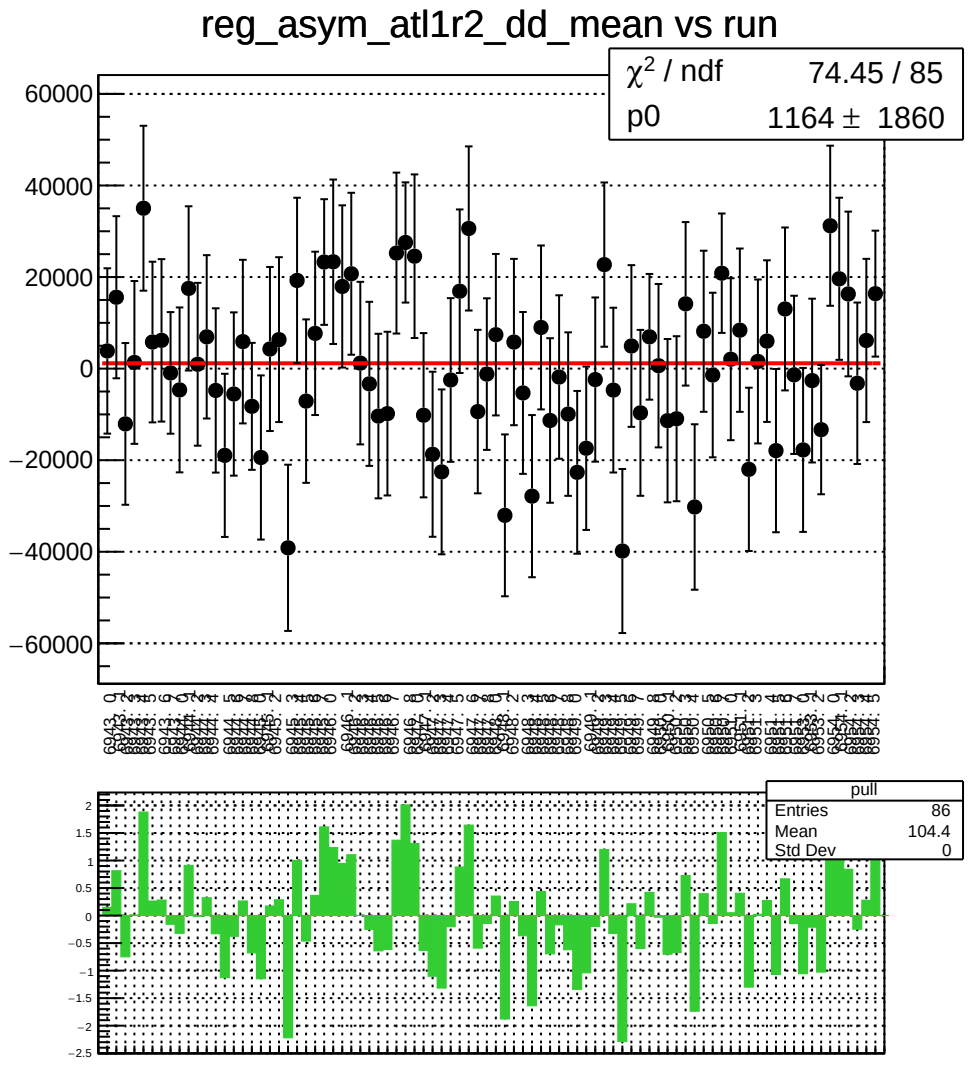

pull1D
Entries 86
Mean −0.02513
Std Dev 1.133

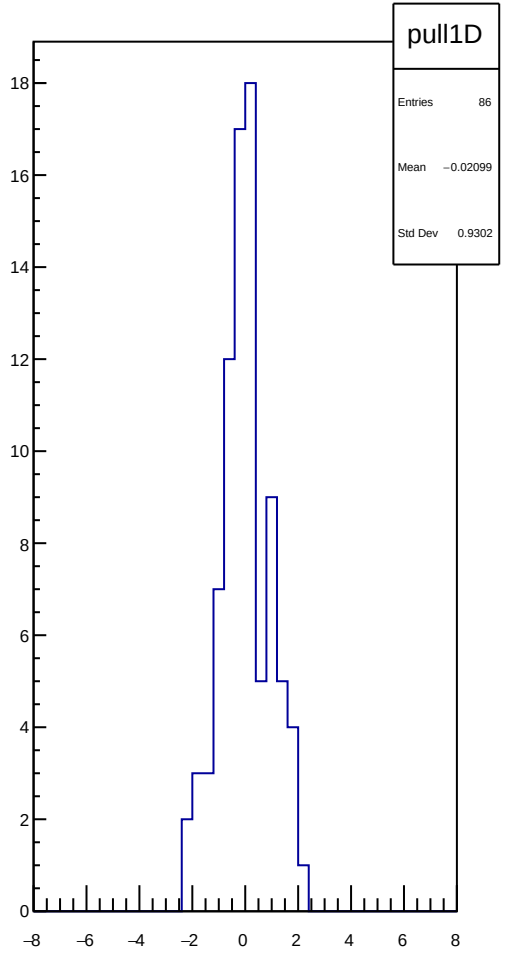

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.324e+04 / 85
p0 329.9 ± 0.2581
500
450
400
350
300
250
200

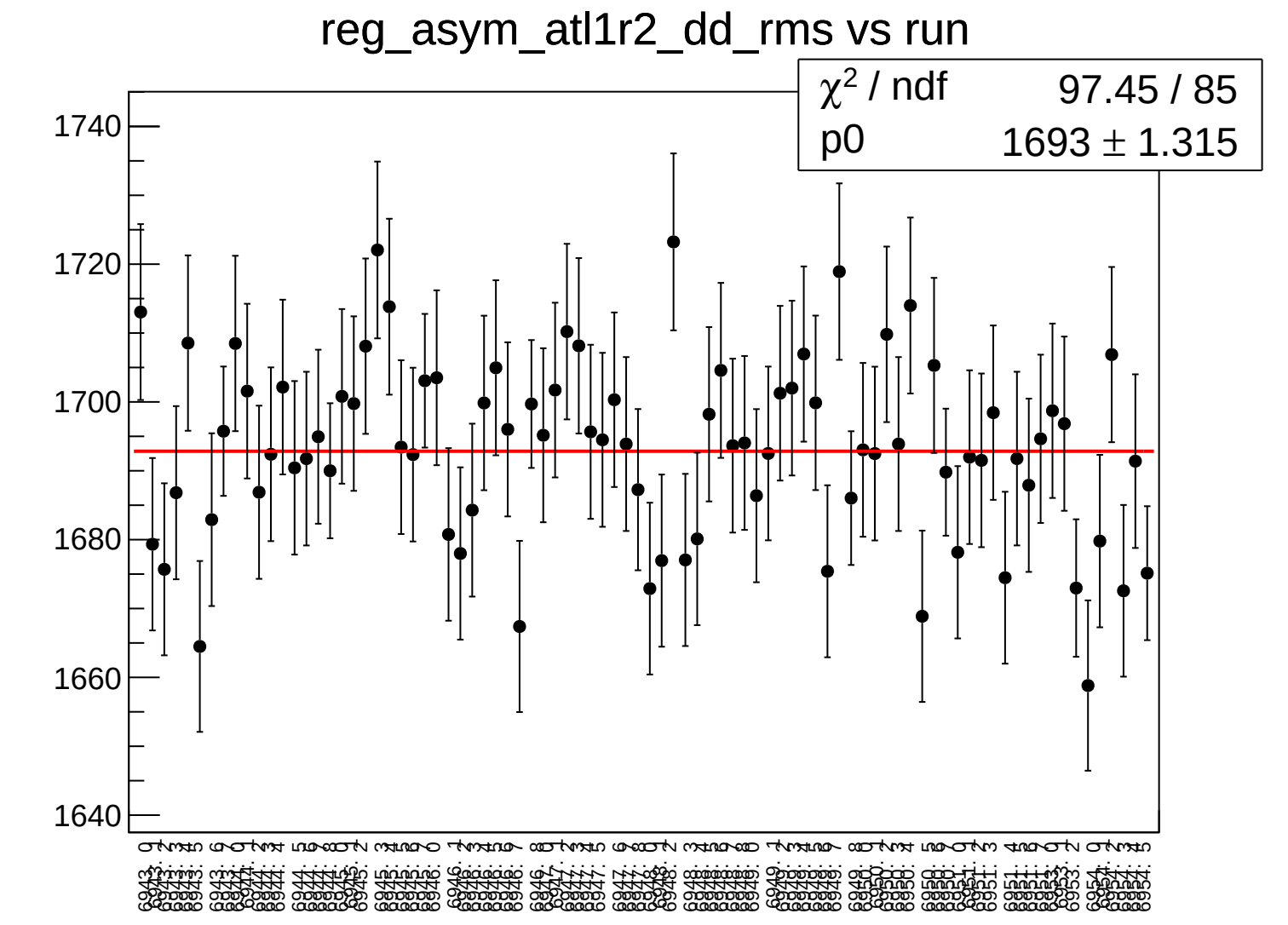

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107 / 85
p0 −2.961e−13 ± 1.597e−13
pull
Entries 86
Mean −99.2
Std Dev 0

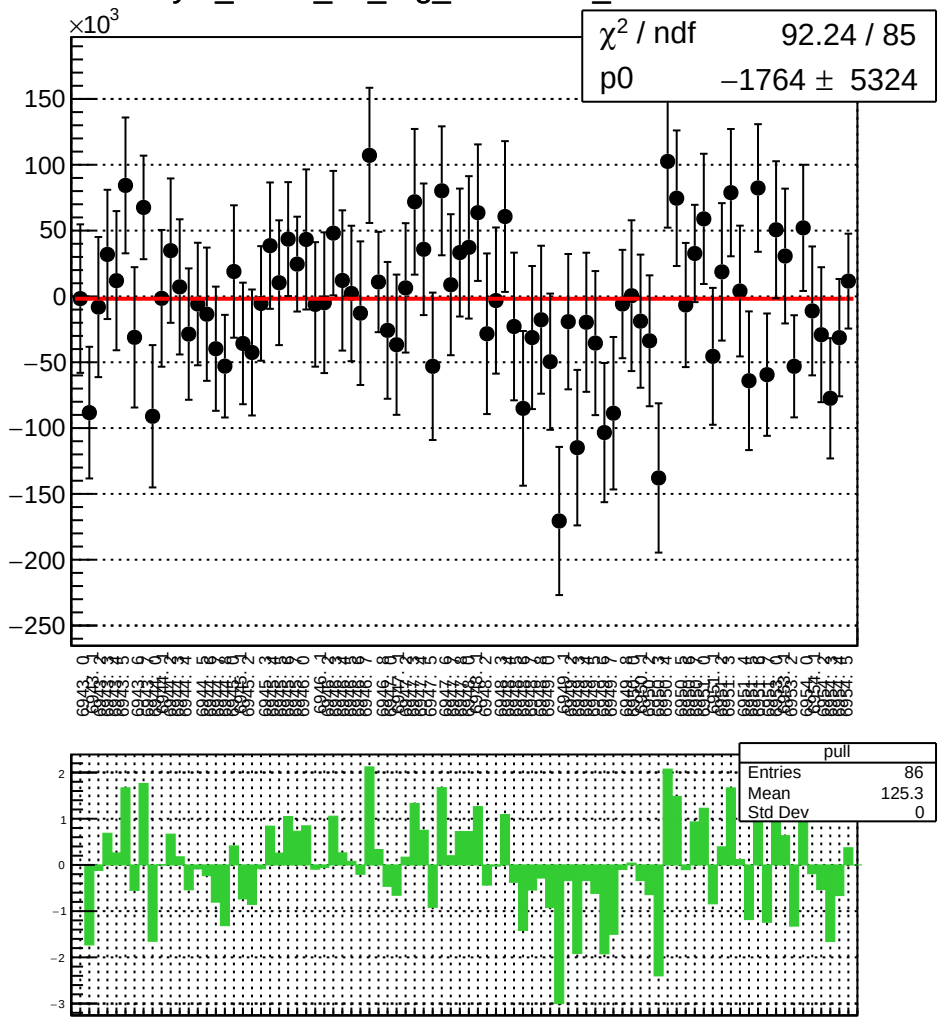

pull1D
Entries 86
Mean −0.02512
Std Dev 1.115

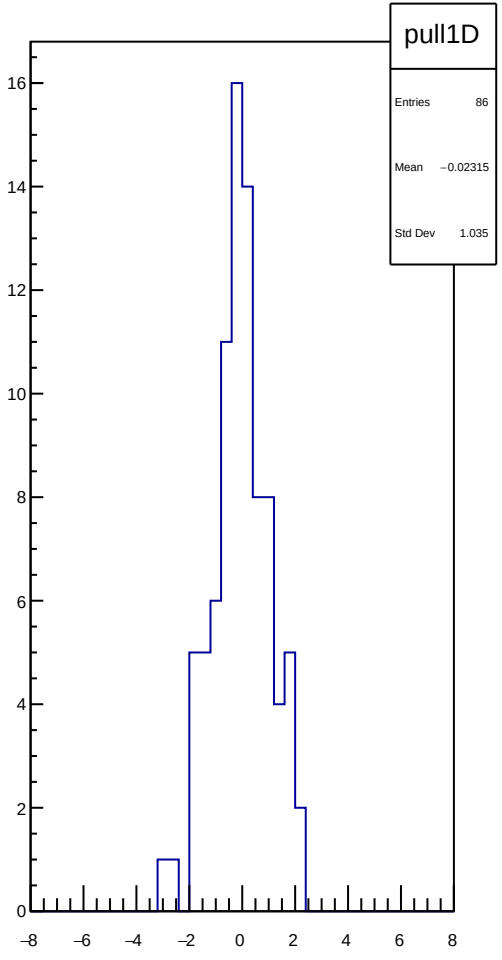

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.254e+05 / 85
p0 1.201e−10 ± 1.129e−13
1.2
1
0.8
0.6
0.4
0.2

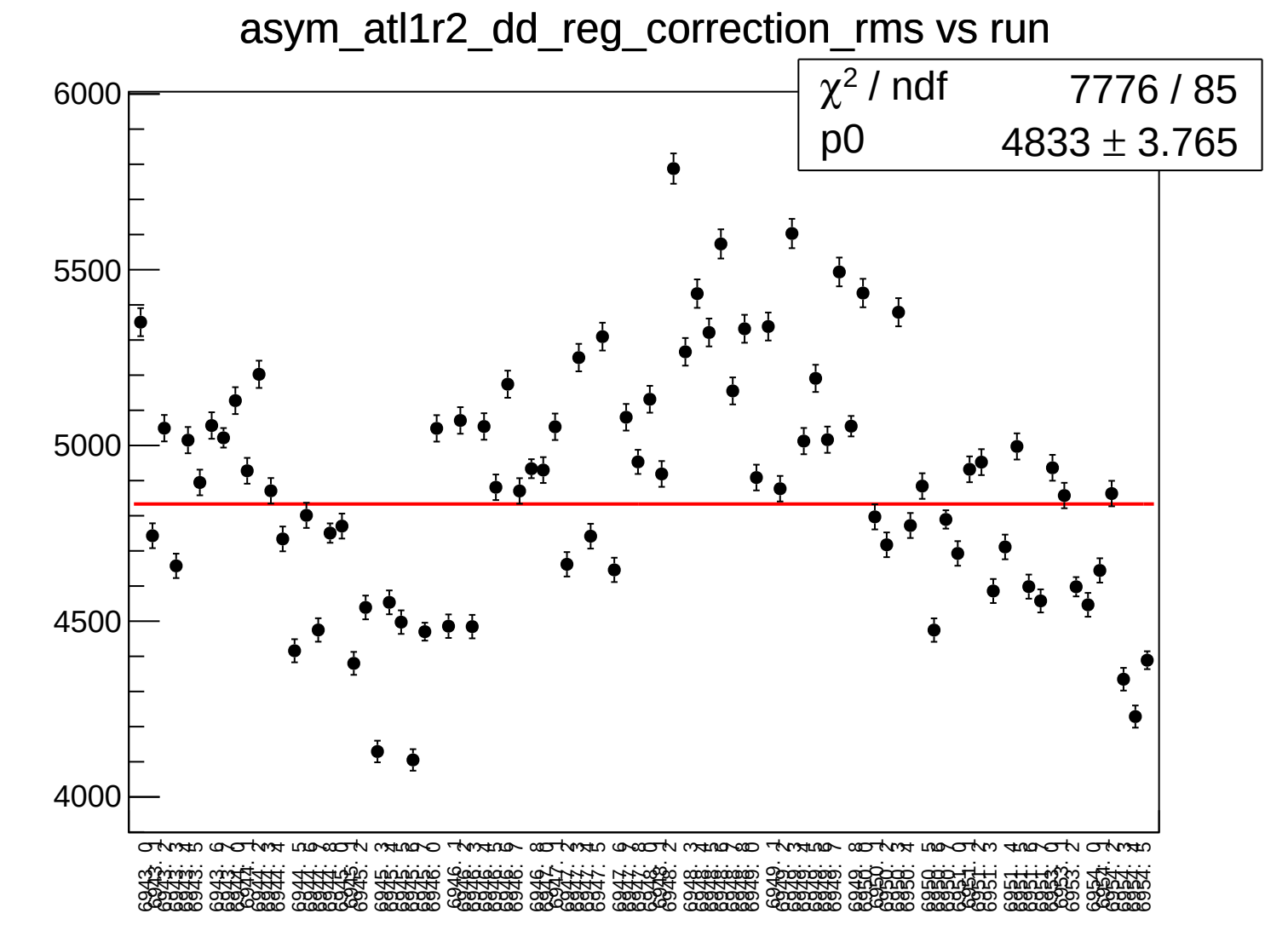

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 74.45 / 85
p0 1164 ± 1860
pull
Entries 86
Mean 104.4
Std Dev 0

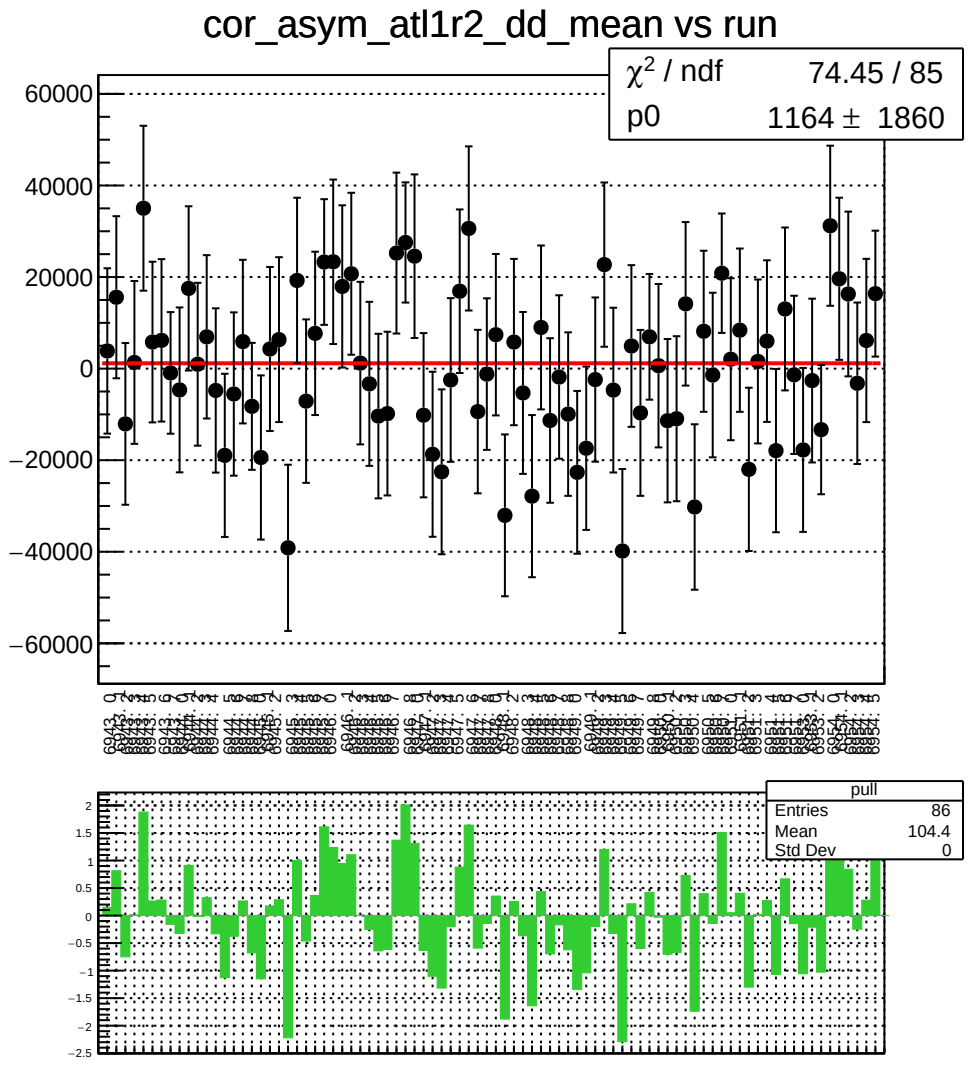

pull1D
Entries 86
Mean −0.02099
Std Dev 0.9302

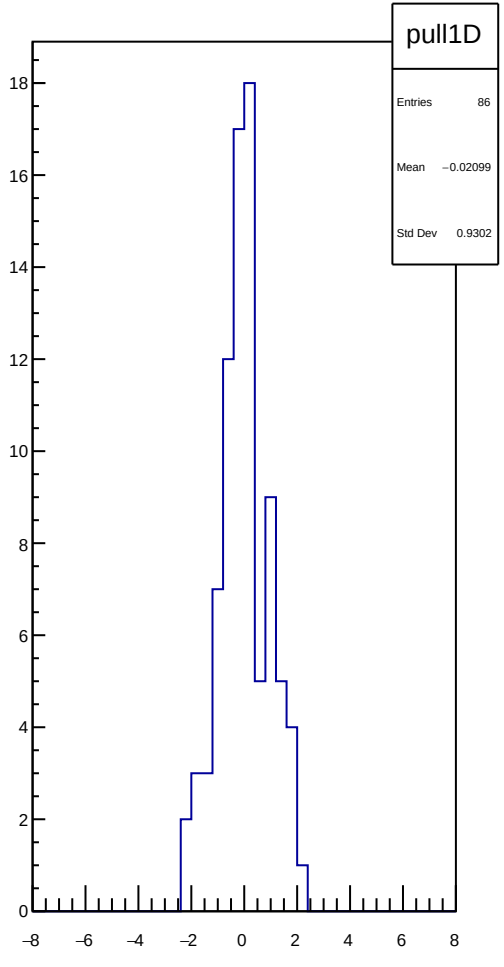

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 97.45 / 85
p0 1693 ± 1.315
1740
1720
1700
1680
1660
1640

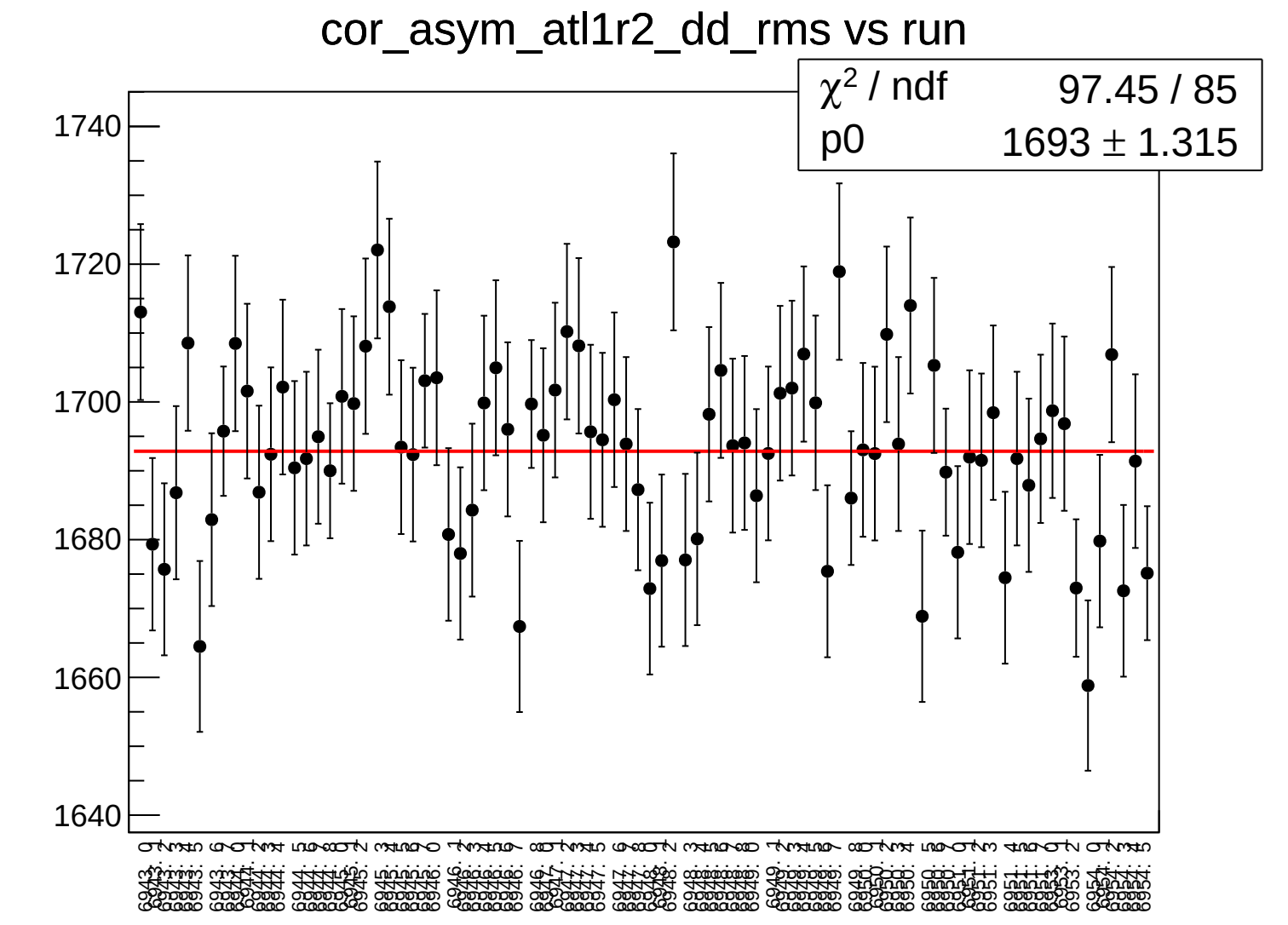

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 92.24 / 85
p0 −1764 ± 5324
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 125.3
Std Dev 0
2
1
0
−1
−2
−3

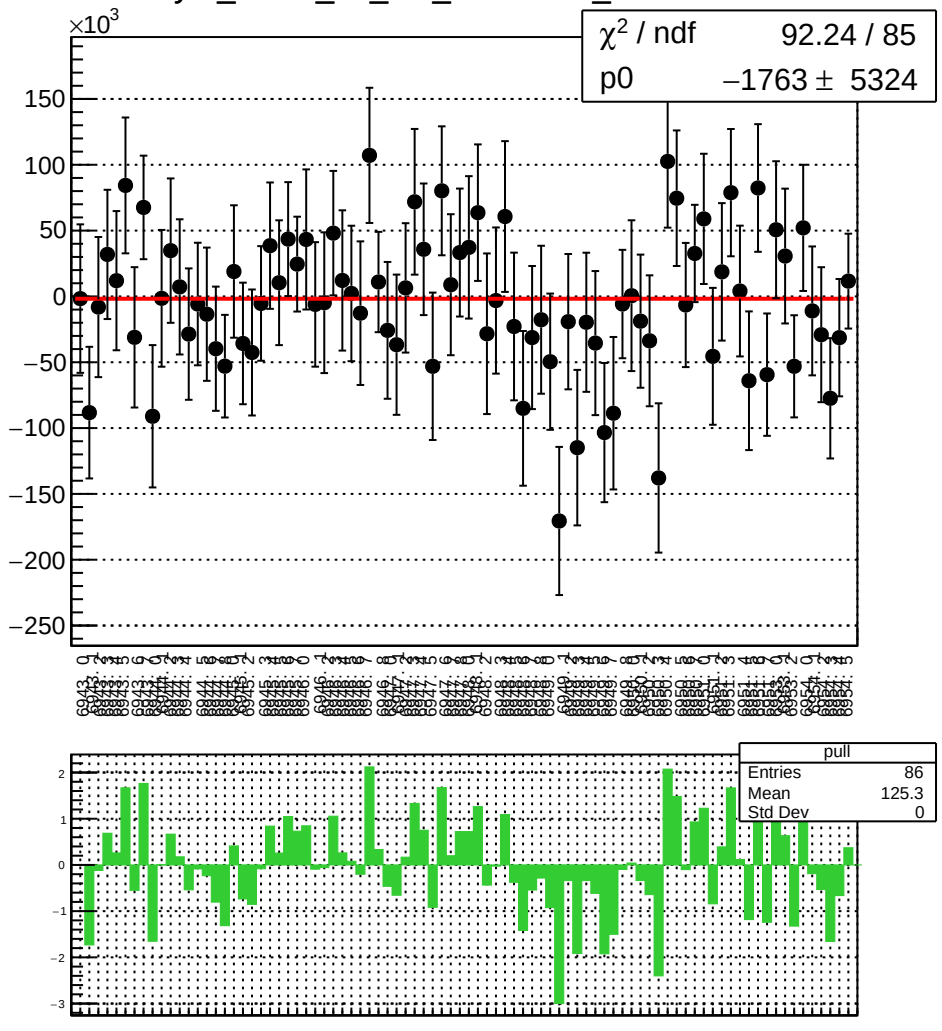

pull1D
Entries 86
Mean −0.02315
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

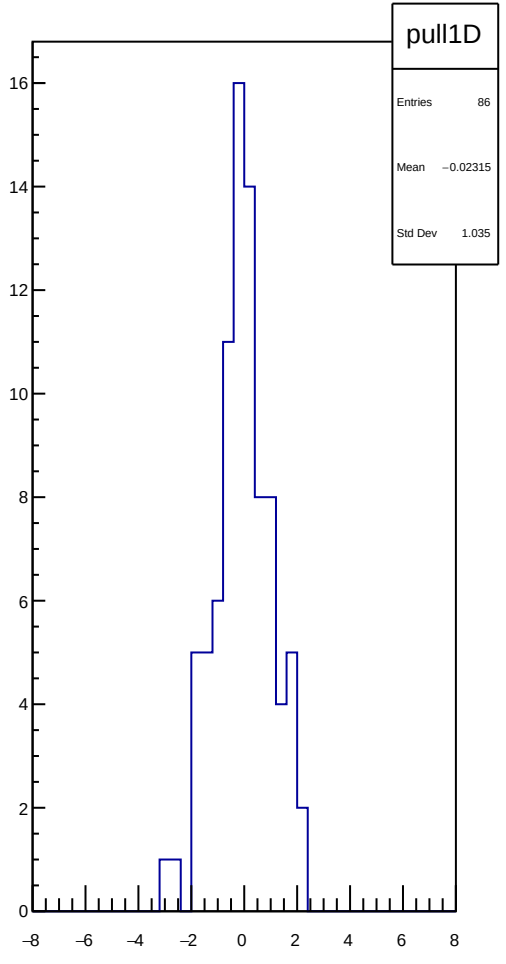

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 7776 / 85
p0 4833 ± 3.765
6000
5500
5000
4500
4000

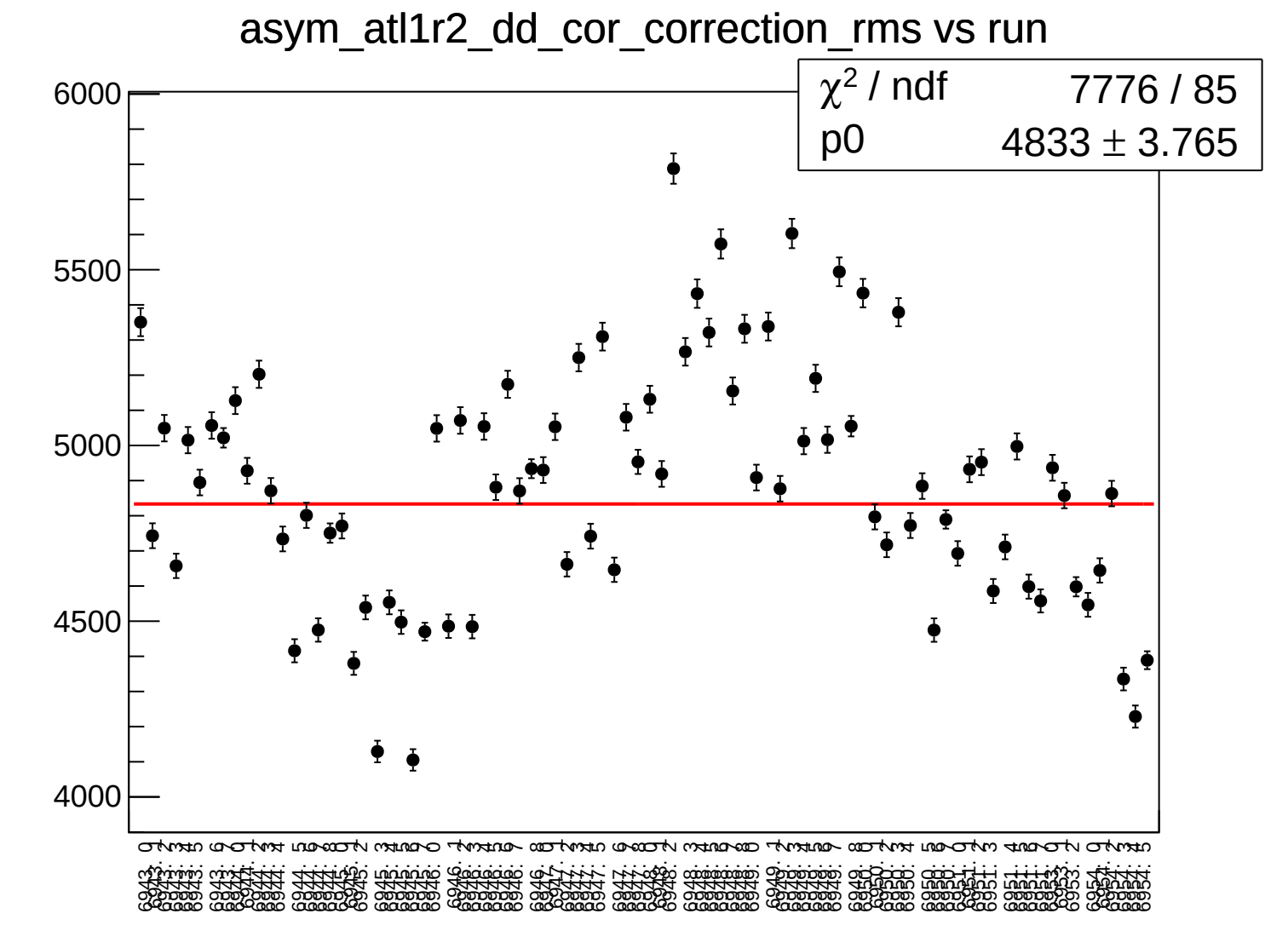

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 74.45 / 85
p0 1164 ± 1860
pull
Entries 86
Mean 104.4
Std Dev 0

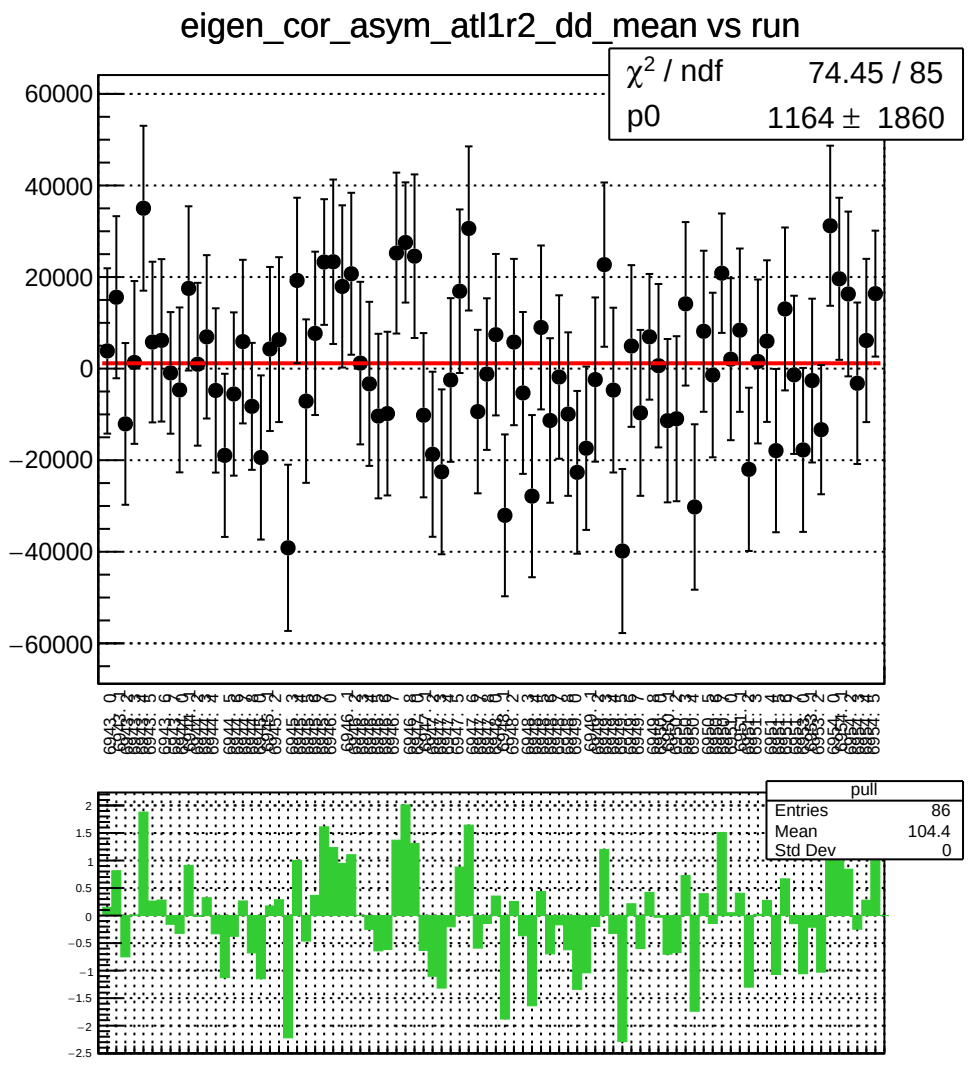

pull1D
Entries 86
Mean −0.02099
Std Dev 0.9302

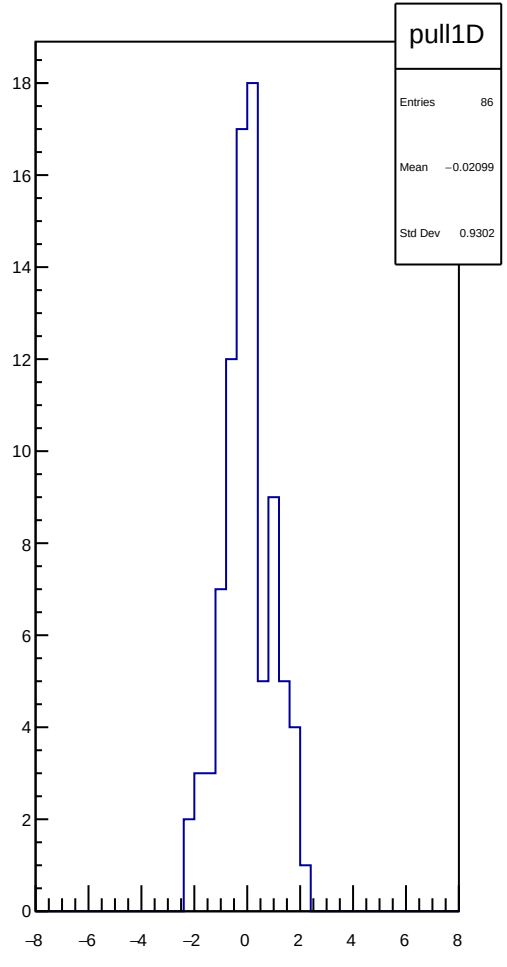

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 97.45 / 85
p0 1693 ± 1.315
1740
1720
1700
1680
1660
1640

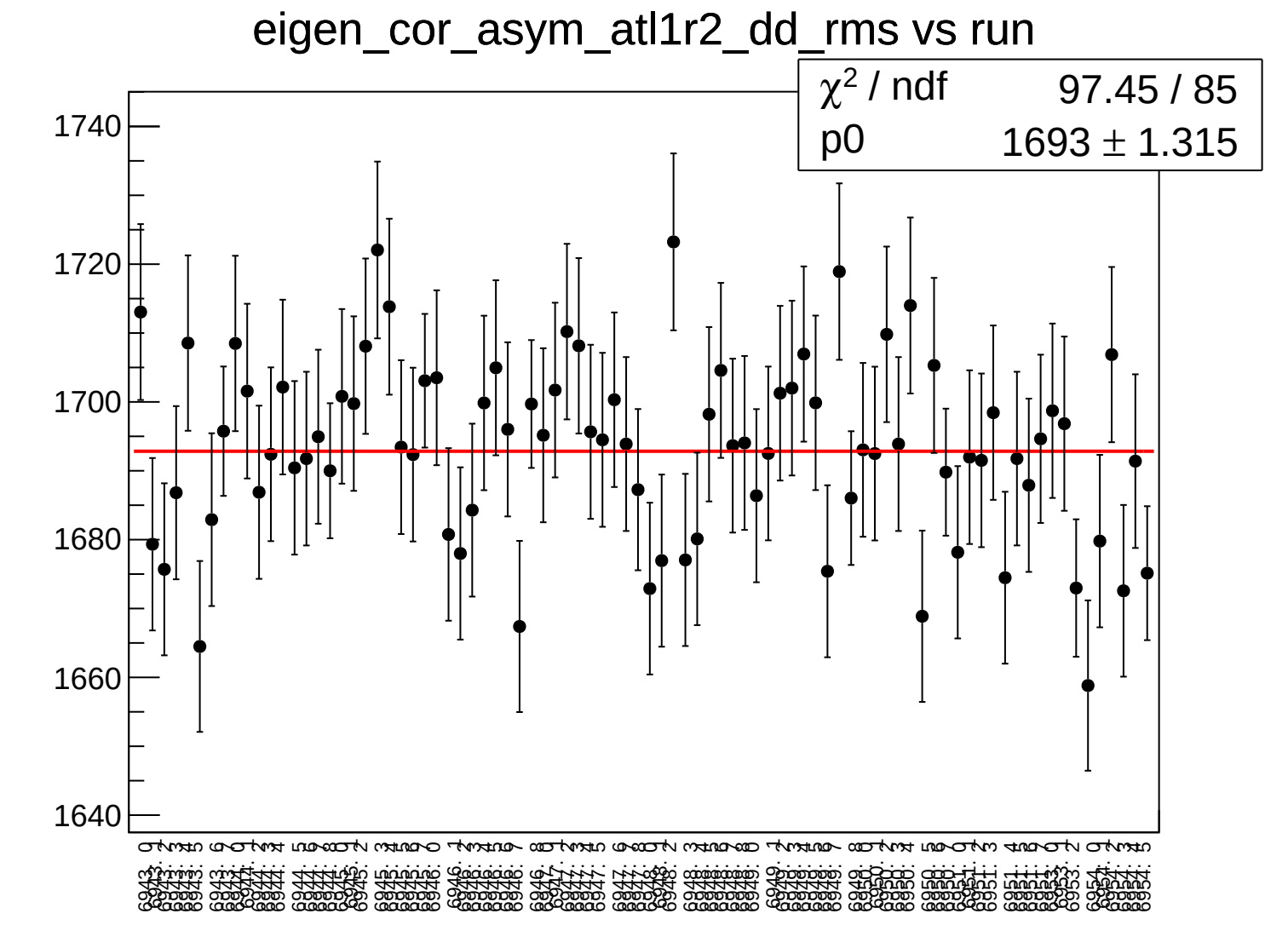

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 92.24 / 85
p0 −1763 ± 5324
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 125.3
Std Dev 0
2
1
0
−1
−2
−3

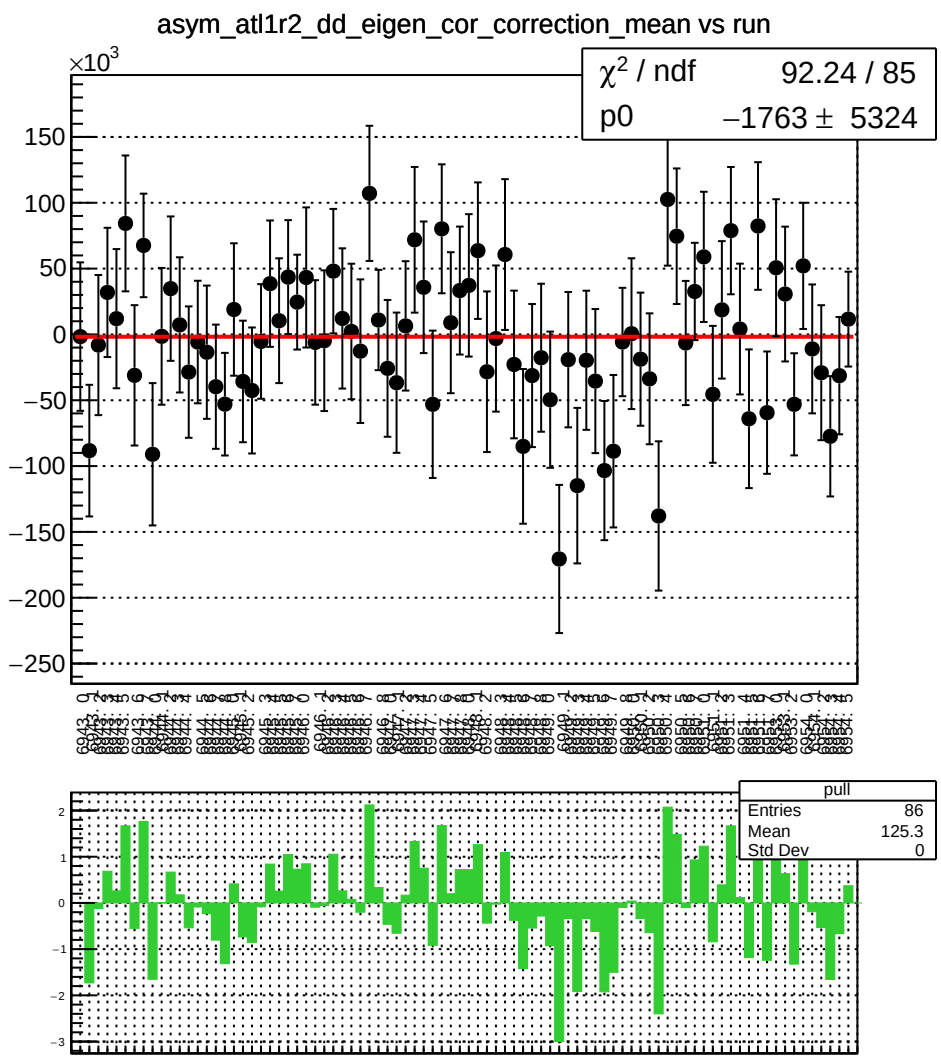

pull1D
Entries 86
Mean −0.02315
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

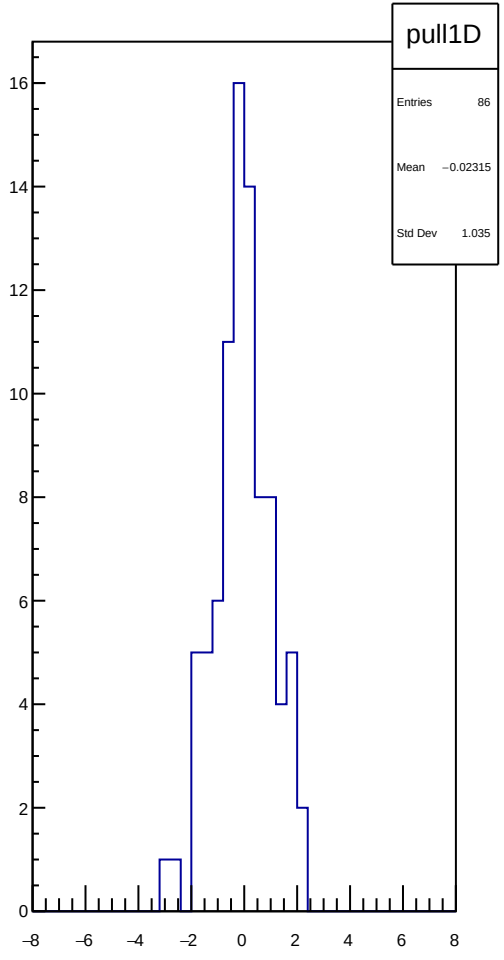

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 7776 / 85
p0 4833 ± 3.765
6000
5500
5000
4500
4000

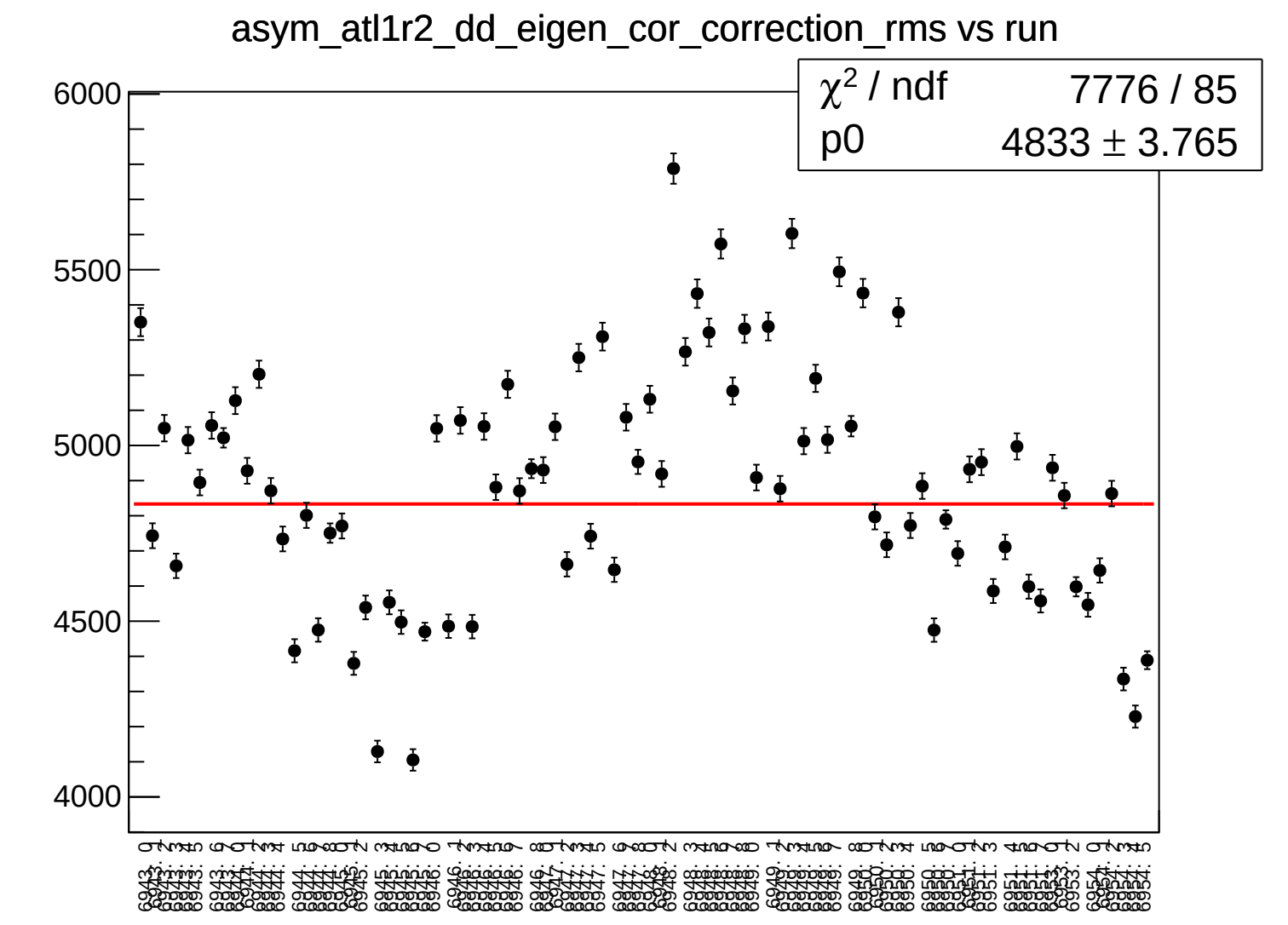

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 74.45 / 85
p0 1164 ± 1860
pull
Entries 86
Mean 104.4
Std Dev 0

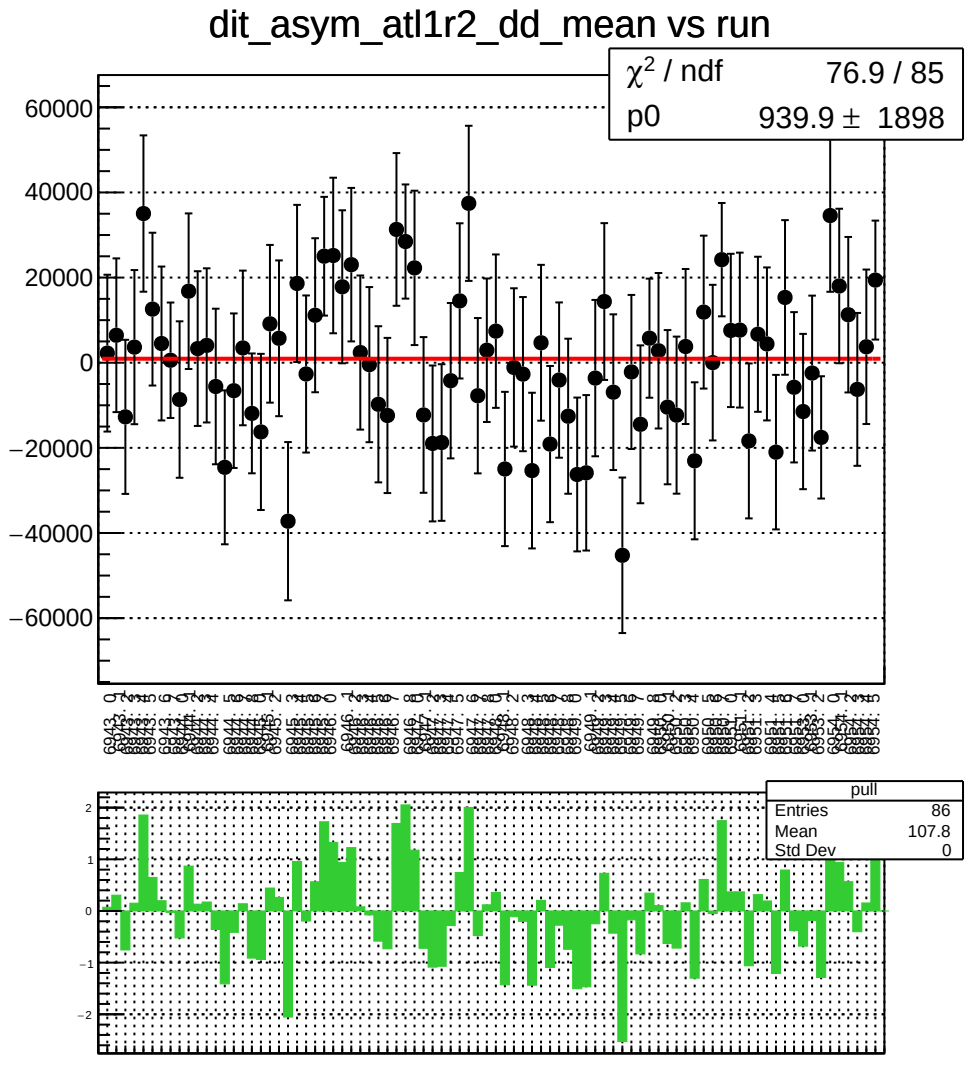

pull1D
Entries 86
Mean −0.02099
Std Dev 0.9302

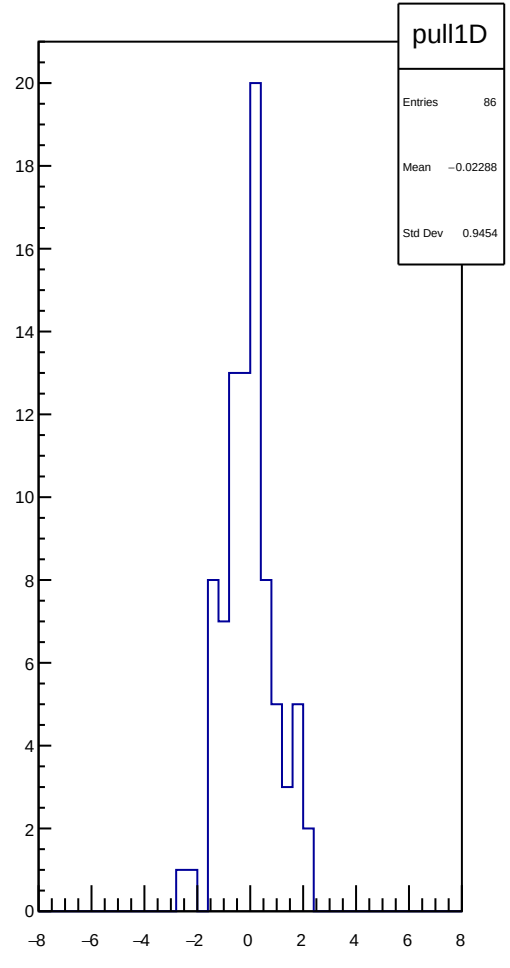

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 97.45 / 85
p0 1693 ± 1.315
1740
1720
1700
1680
1660
1640

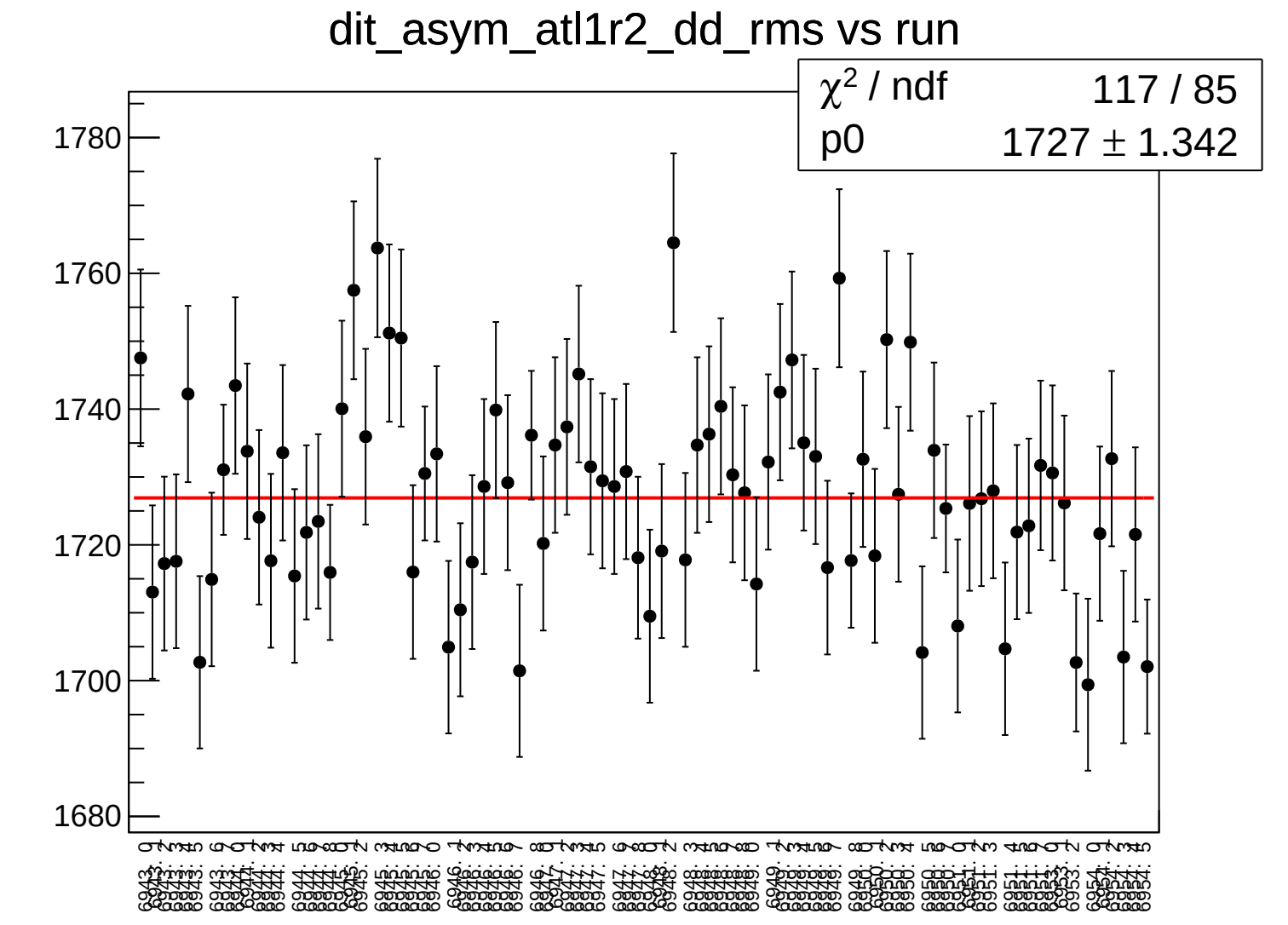

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.24 / 85
p0 −1763 ± 5324
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 125.3
Std Dev 0
2
1
0
−1
−2
−3

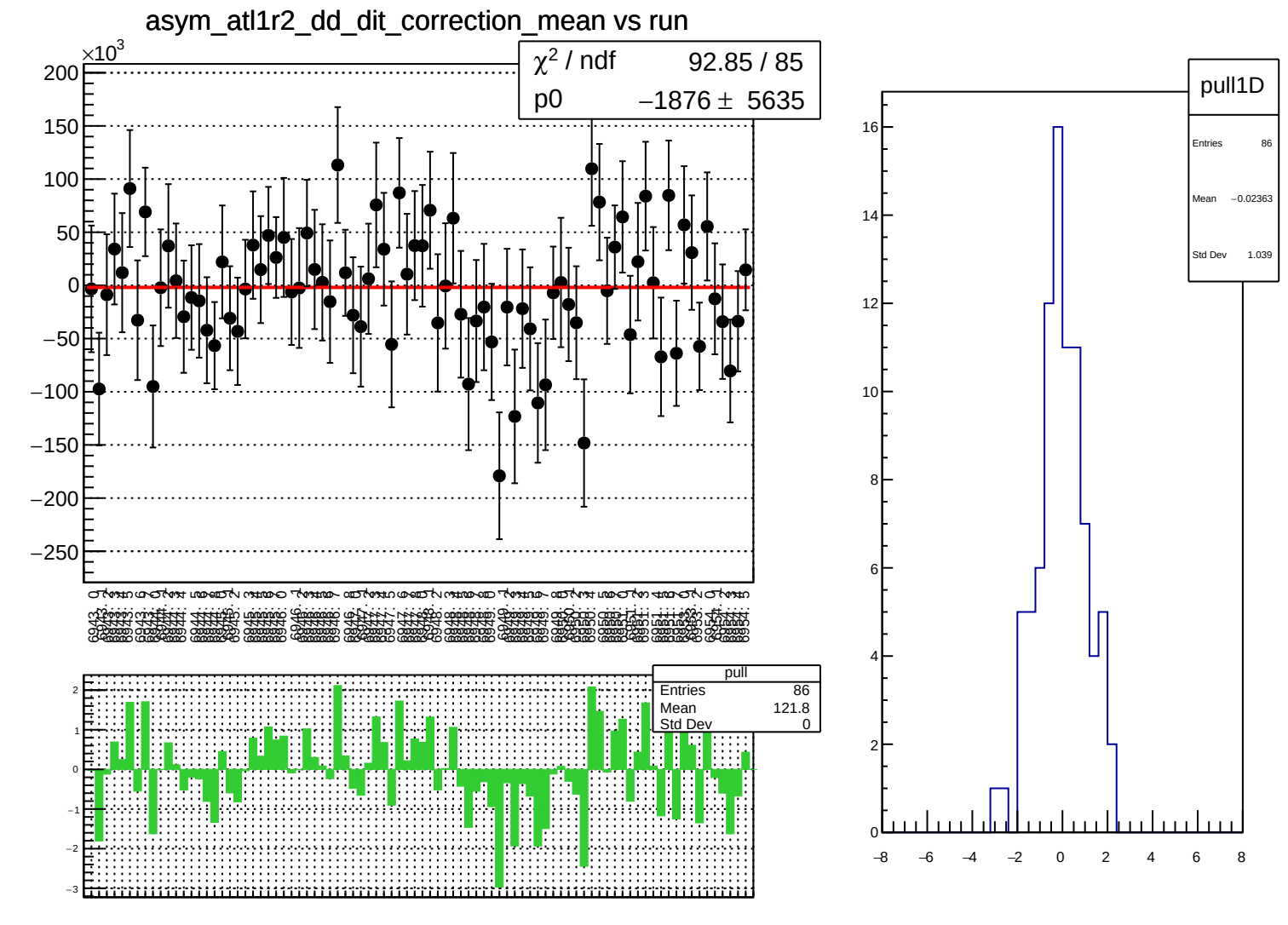

pull1D
Entries 86
Mean −0.02315
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

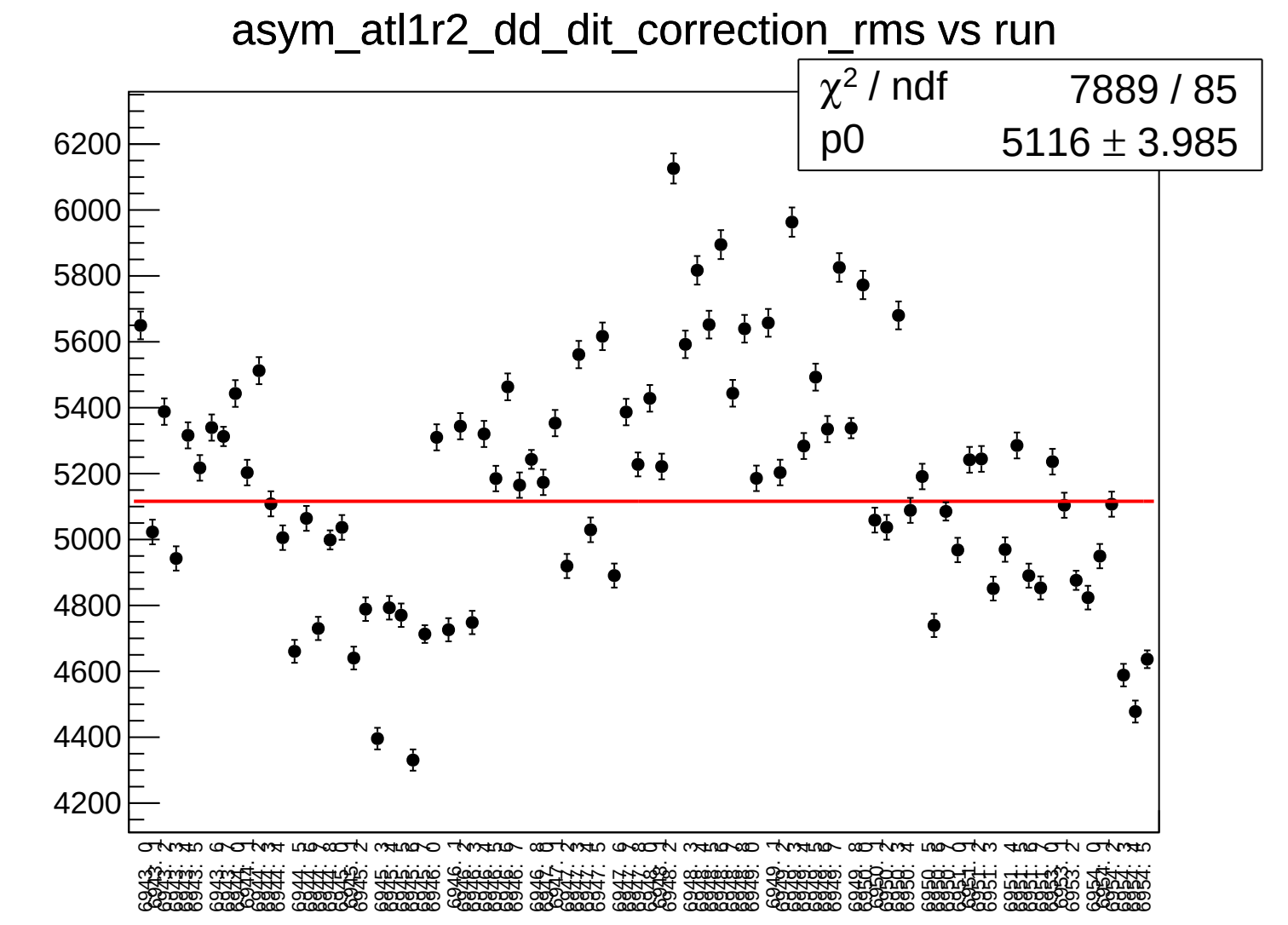

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7776 / 85
p0 4833 ± 3.765
6000
5500
5000
4500
4000

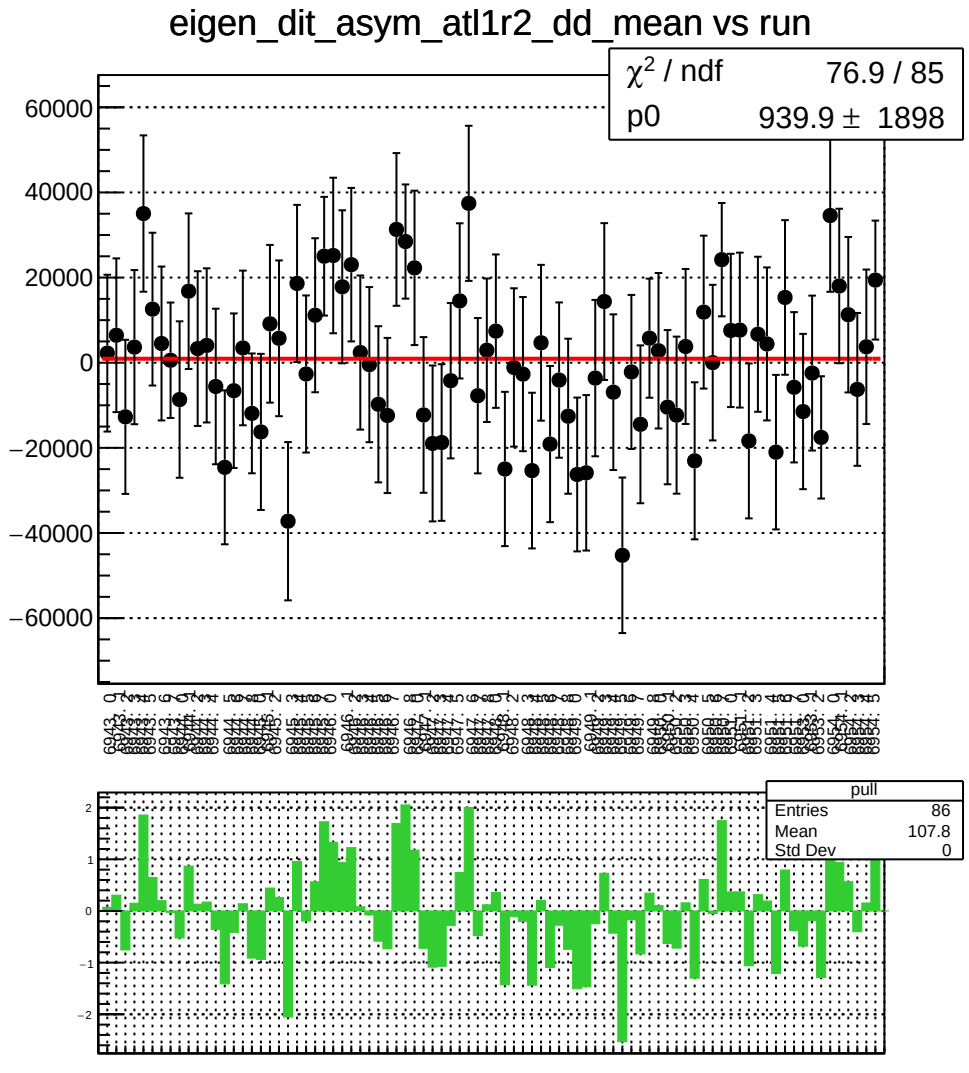

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 76.9 / 85
p0 939.9 ± 1898
pull
Entries 86
Mean 107.8
Std Dev 0

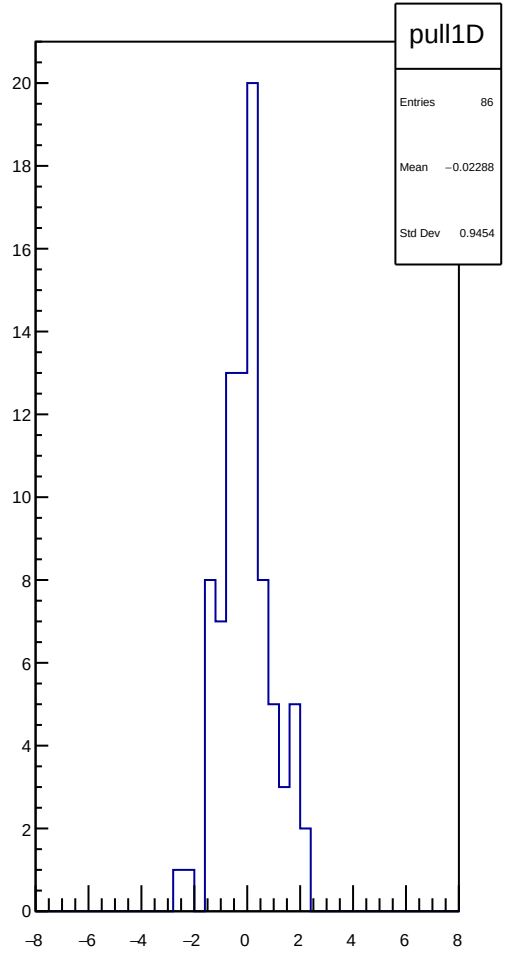

pull1D
Entries 86
Mean −0.02288
Std Dev 0.9454

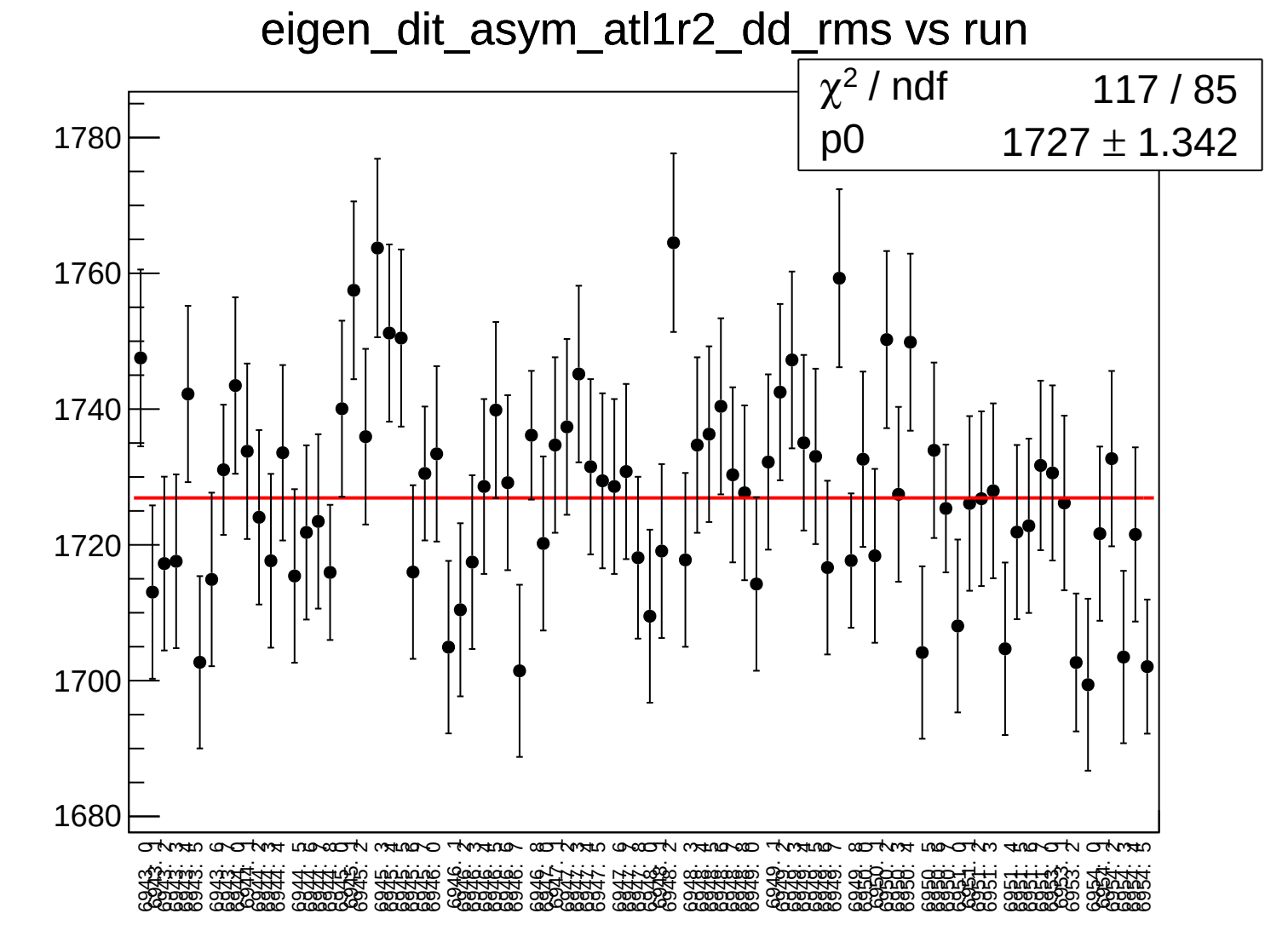

dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 117 / 85
p0 1727 ± 1.342
1780
1760
1740
1720
1700
1680

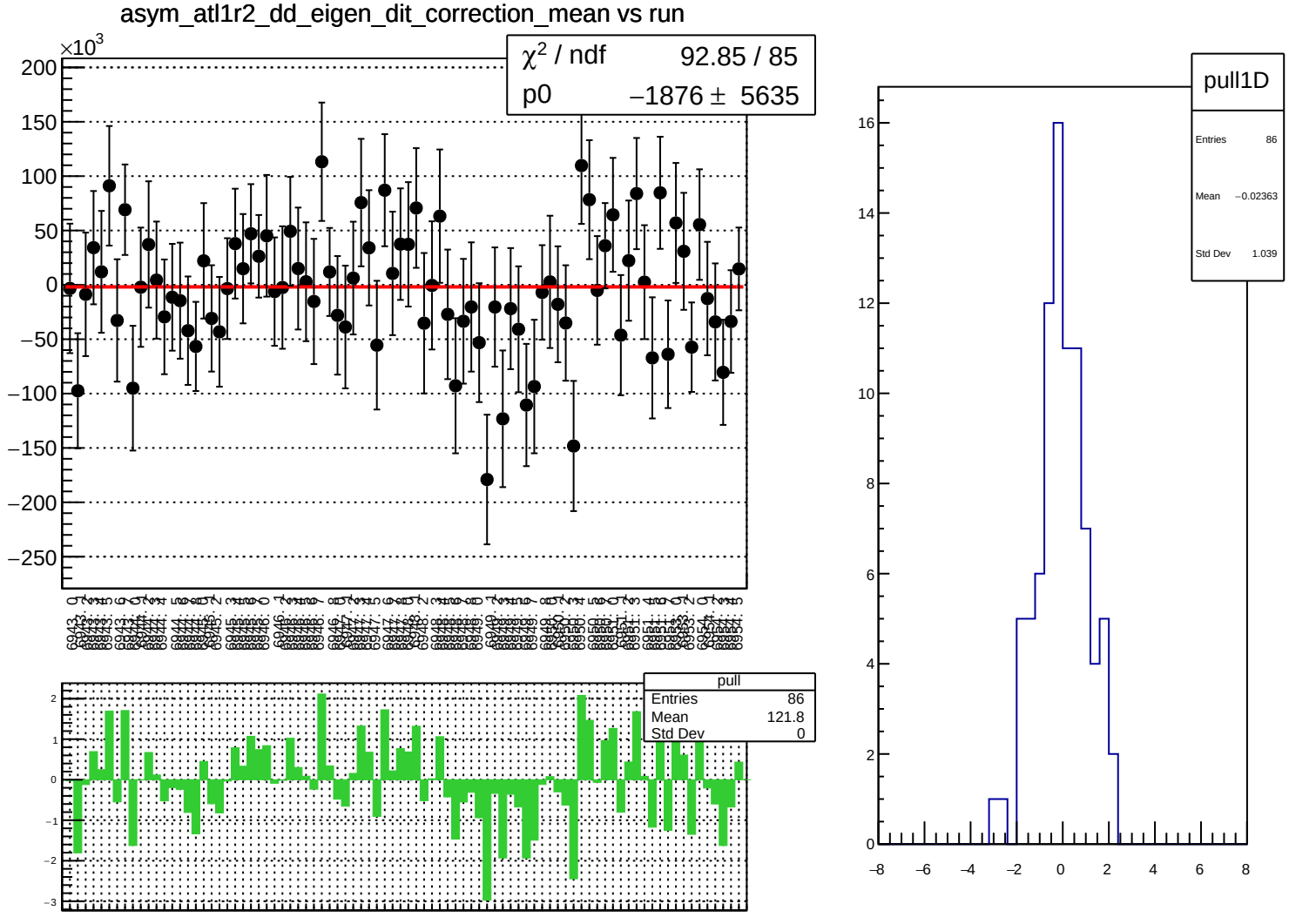

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.85 / 85
p0 −1876 ± 5635
pull
Entries 86
Mean 121.8
Std Dev 0
pull1D
Entries 86
Mean −0.02363
Std Dev 1.039

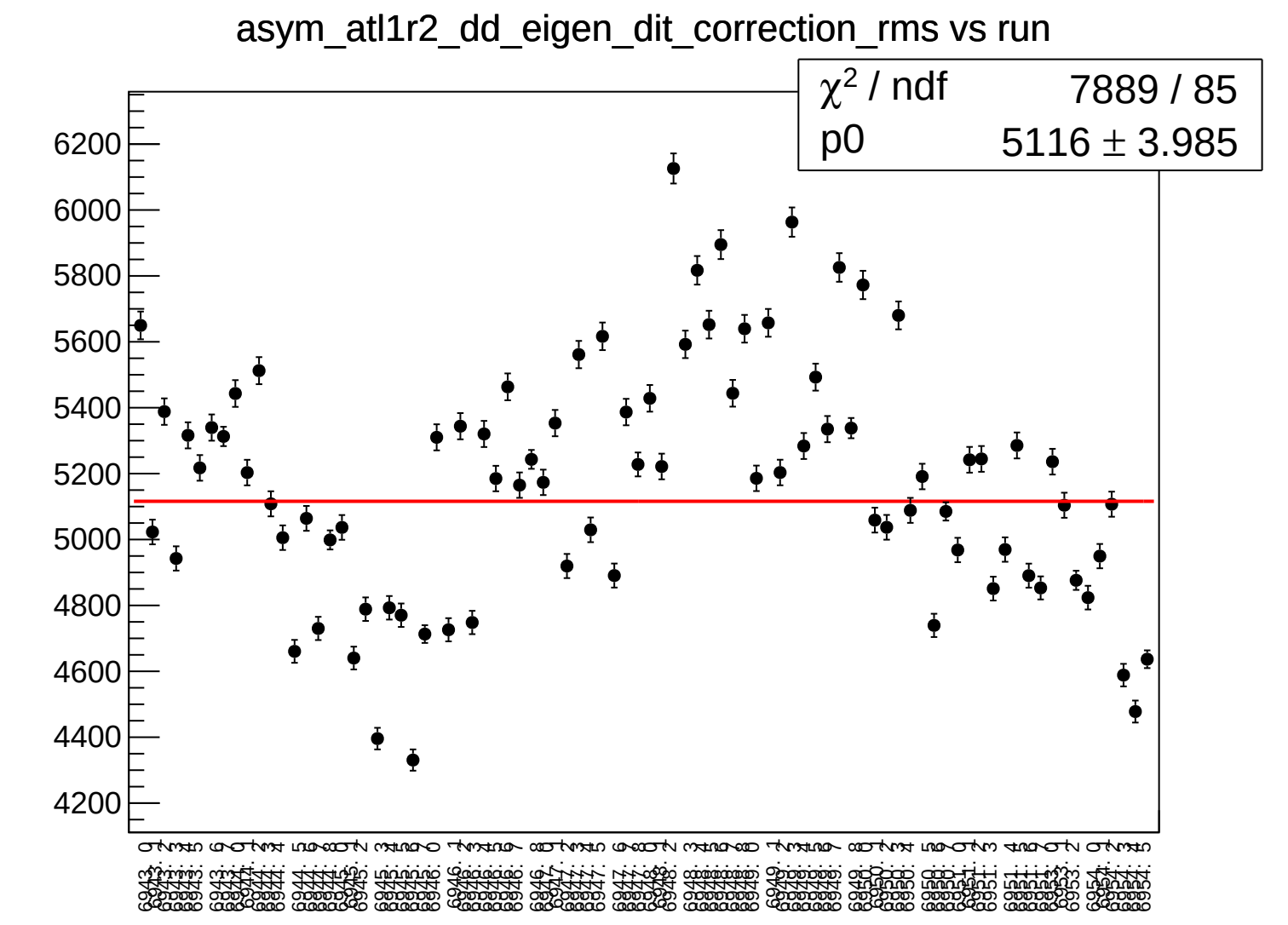

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 7889 / 85
p0 5116 ± 3.985
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

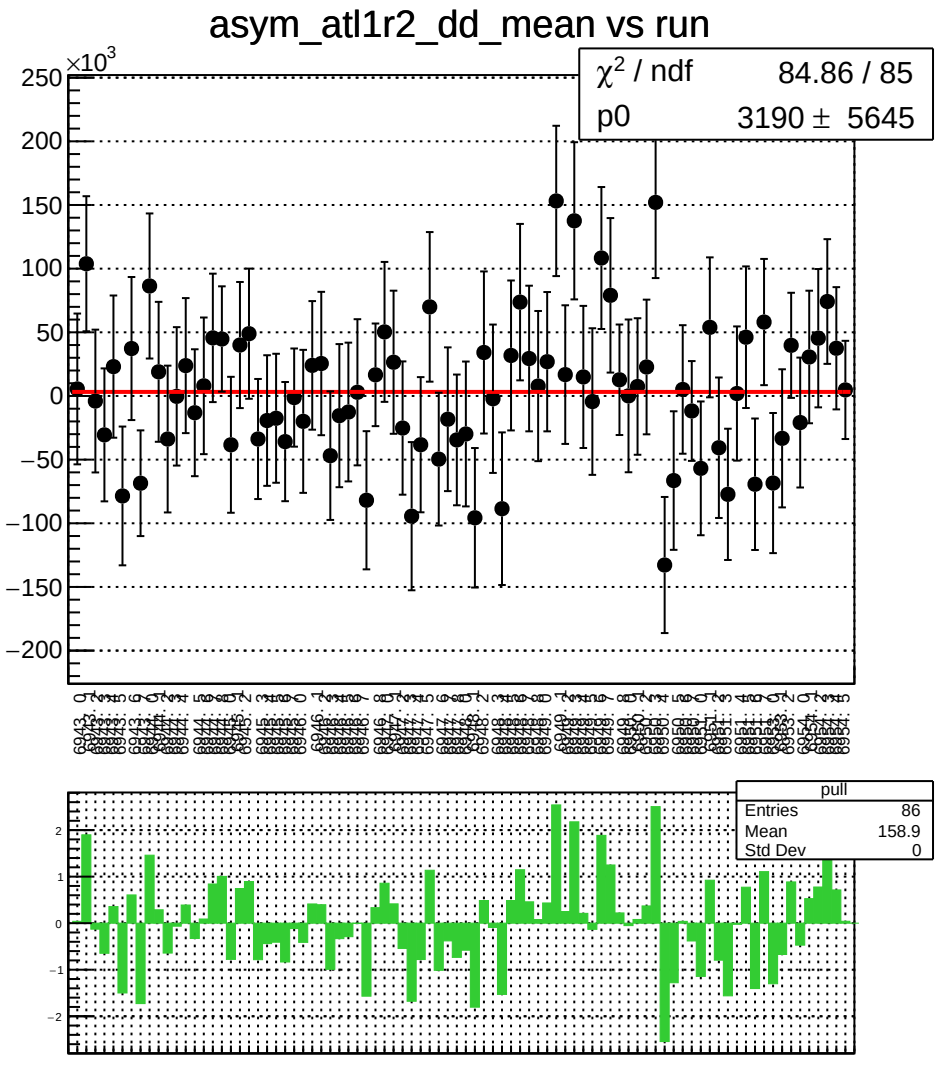

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 76.9 / 85
p0 939.9 ± 1898
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 107.8
Std Dev 0
2
1
0
−1
−2

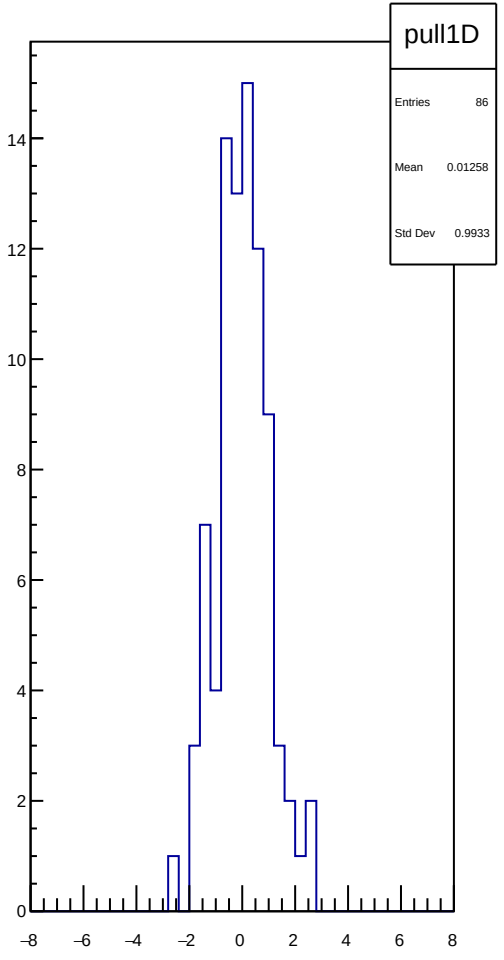

pull1D
Entries 86
Mean −0.02288
Std Dev 0.9454
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

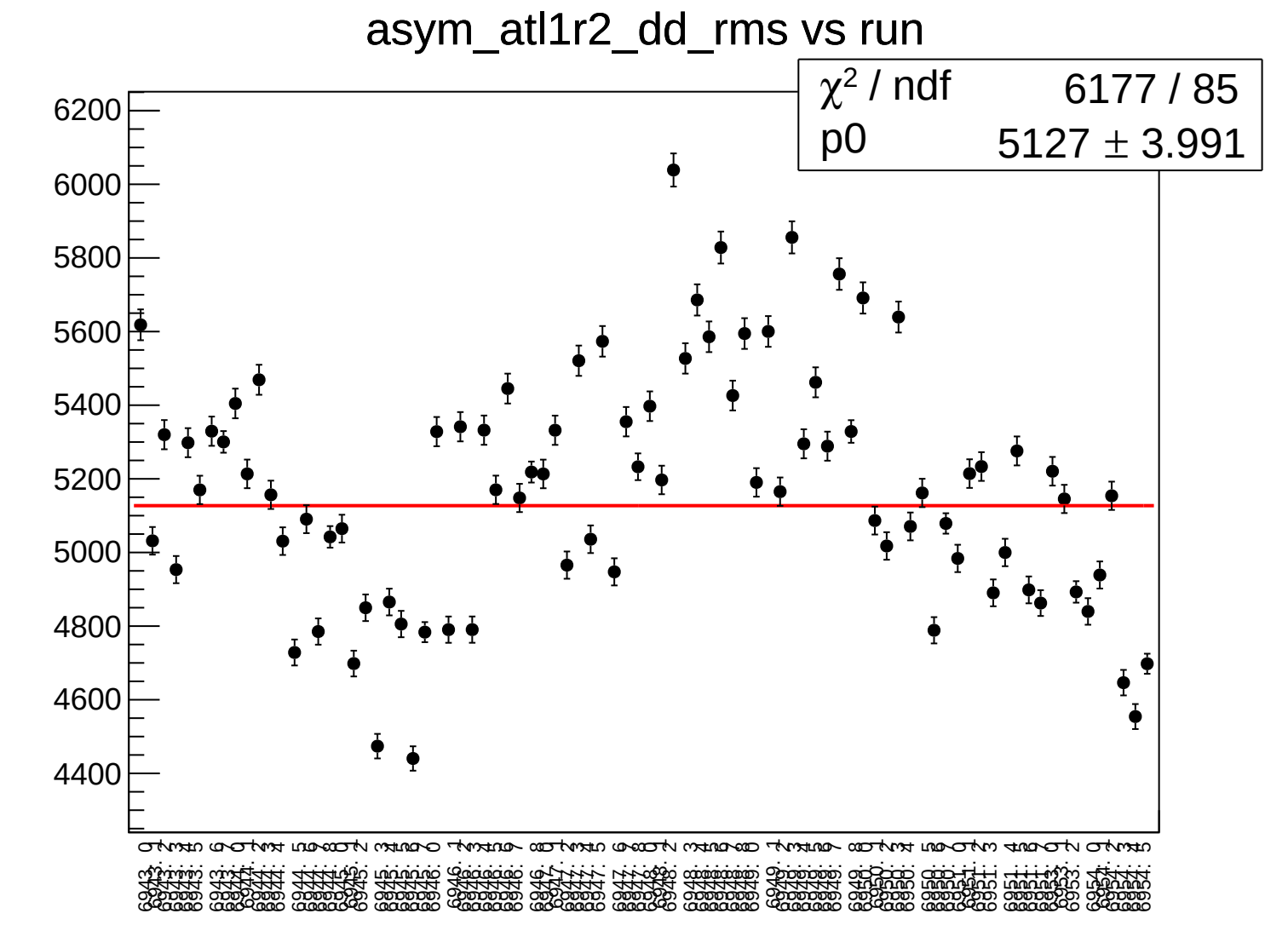

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 117 / 85
p0 1727 ± 1.342
1780
1760
1740
1720
1700
1680

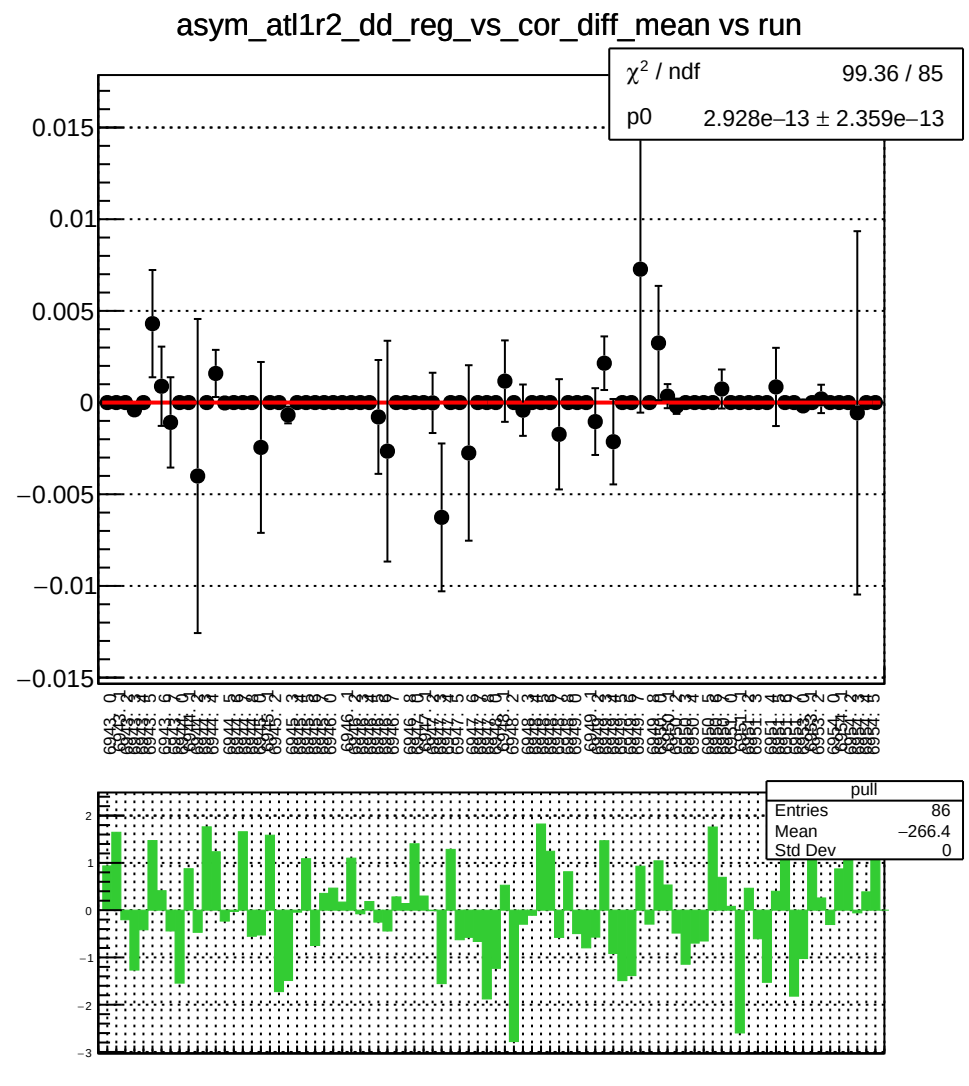

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.85 / 85
p0 −1876 ± 5635
pull
Entries 86
Mean 121.8
Std Dev 0
pull1D
Entries 86
Mean −0.02363
Std Dev 1.039

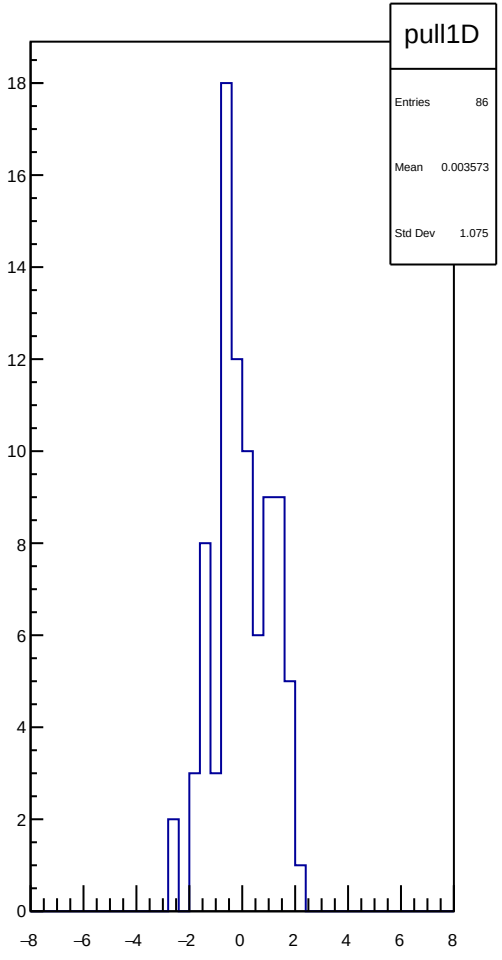

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7889 / 85
p0 5116 ± 3.985
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

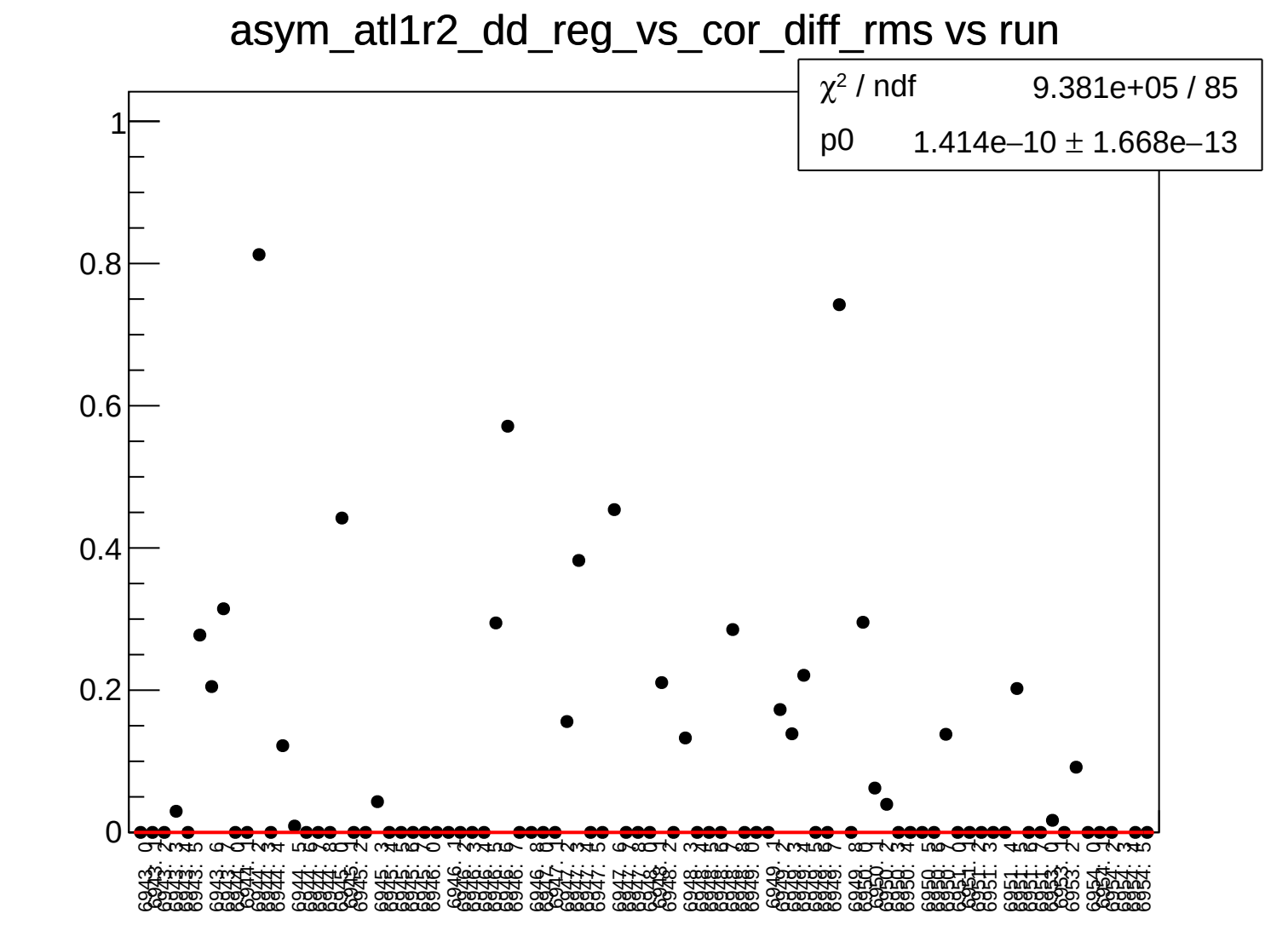

asym_atl1r2_dd_mean vs run
χ² / ndf 84.86 / 85
p0 3190 ± 5645
pull
Entries 86
Mean 158.9
Std Dev 0

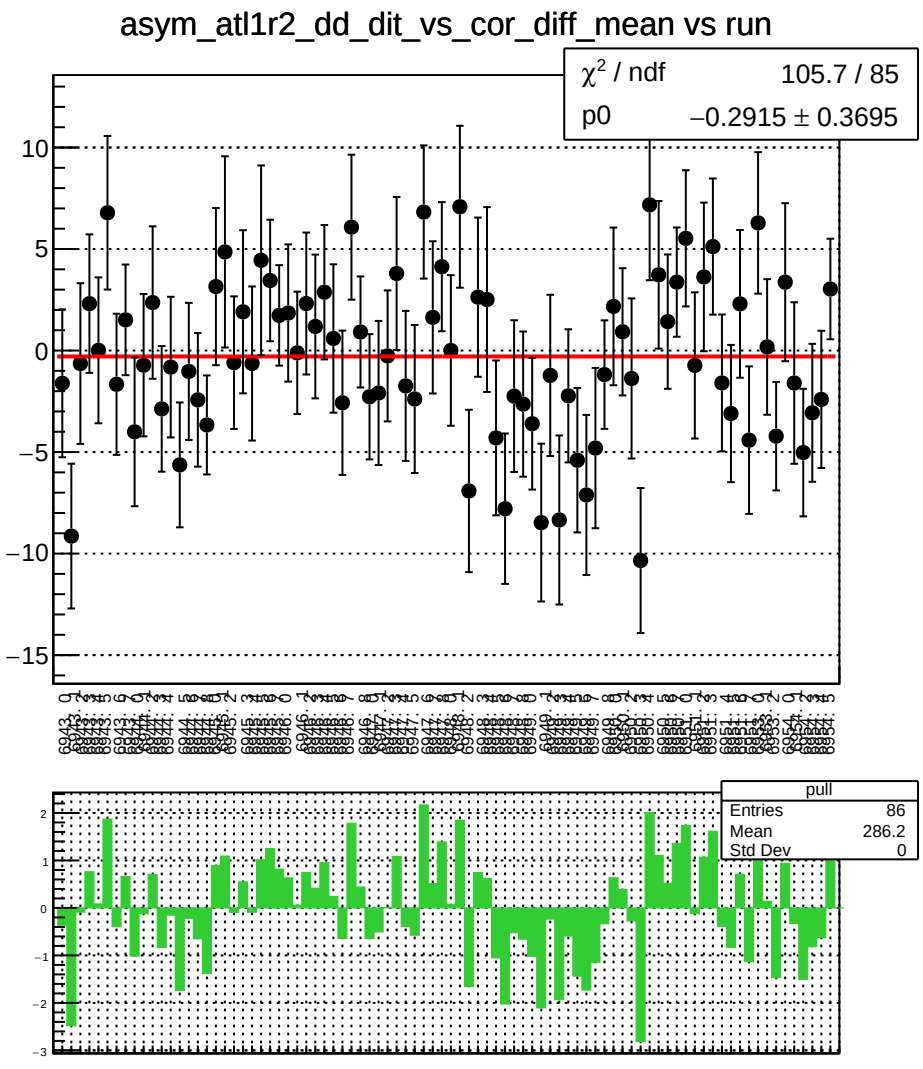

pull1D
Entries 86
Mean 0.01258
Std Dev 0.9933

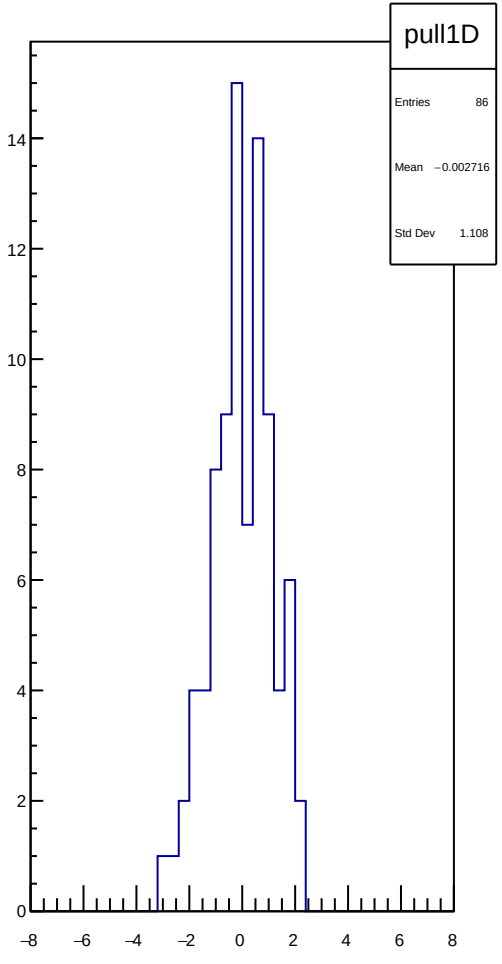

asym_atl1r2_dd_rms vs run
χ^2 / ndf 6177 / 85
p0 5127 ± 3.991
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

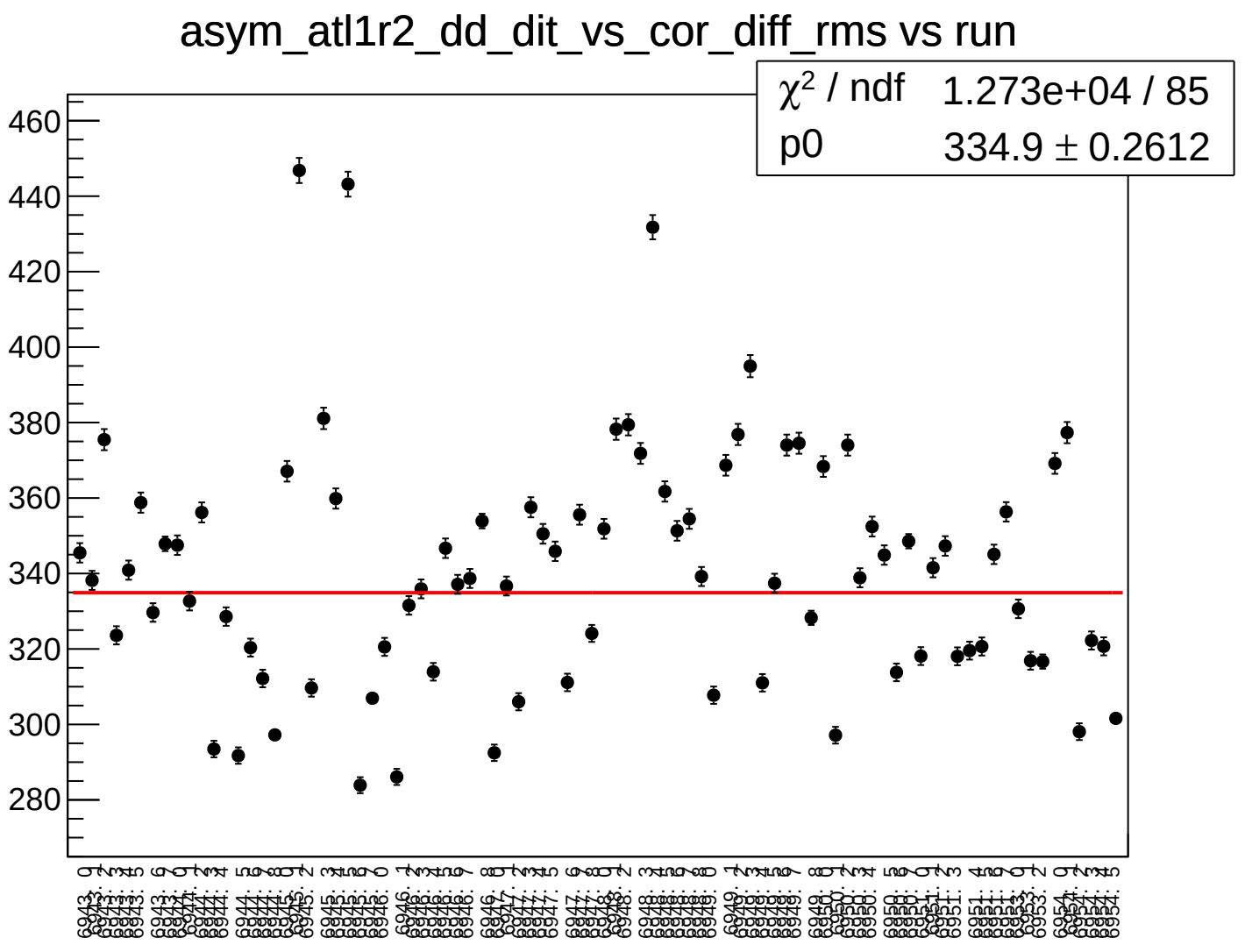

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.36 / 85
p0 2.928e−13 ± 2.359e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean −266.4
Std Dev 0
2
1
0
−1
−2
−3

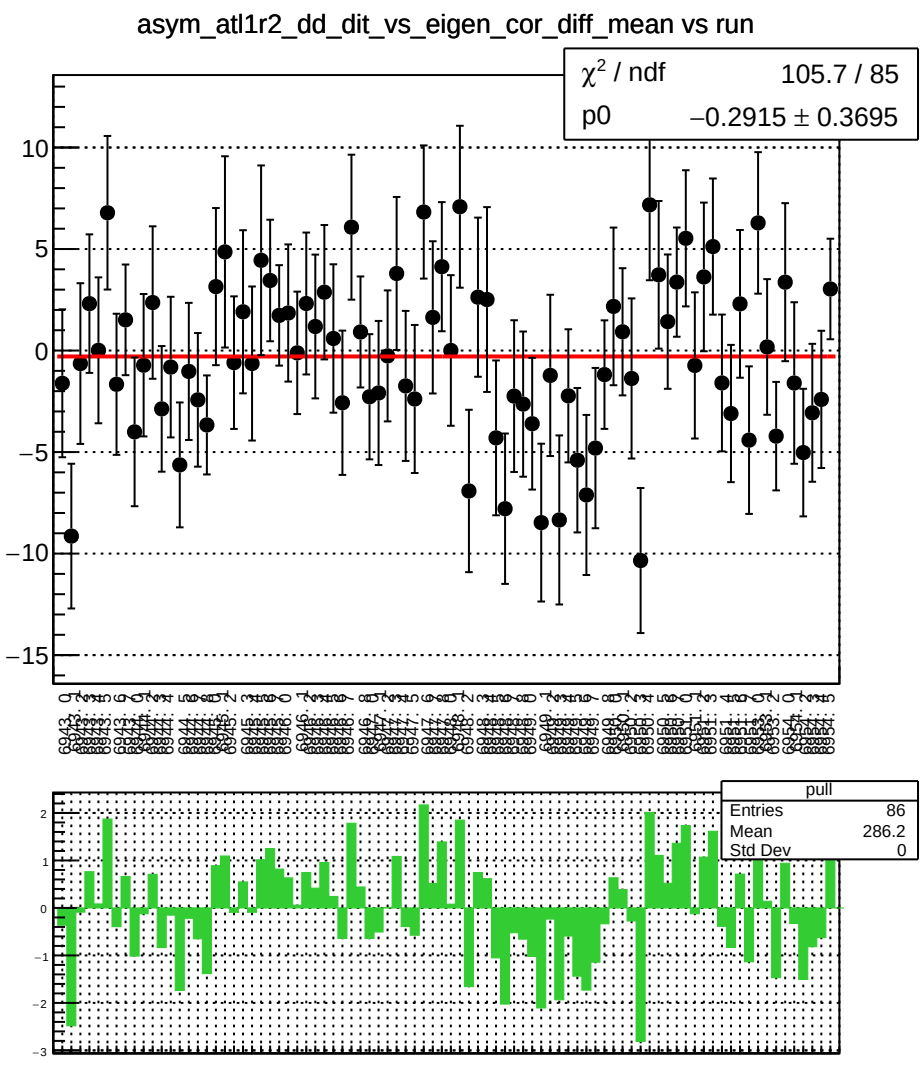

pull1D
Entries 86
Mean 0.003573
Std Dev 1.075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

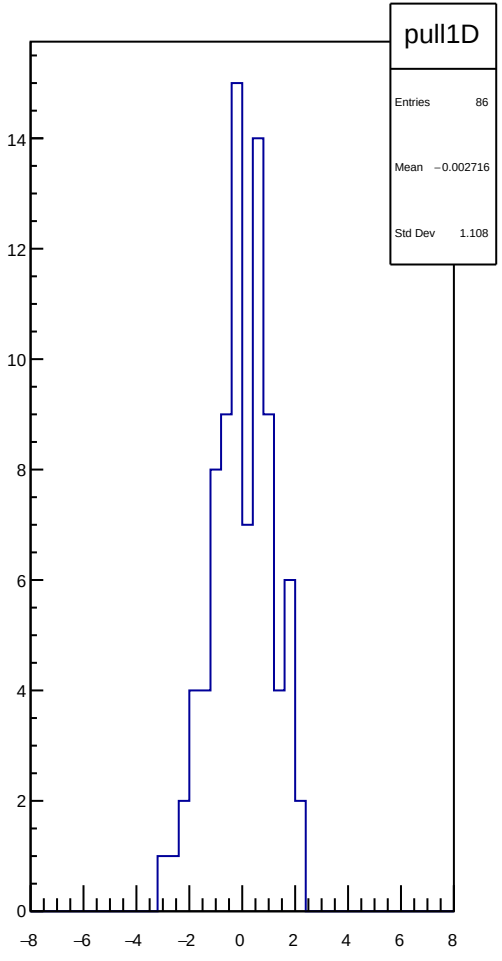

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.381e+05 / 85
p0 1.414e−10 ± 1.668e−13
1
0.8
0.6
0.4
0.2
0

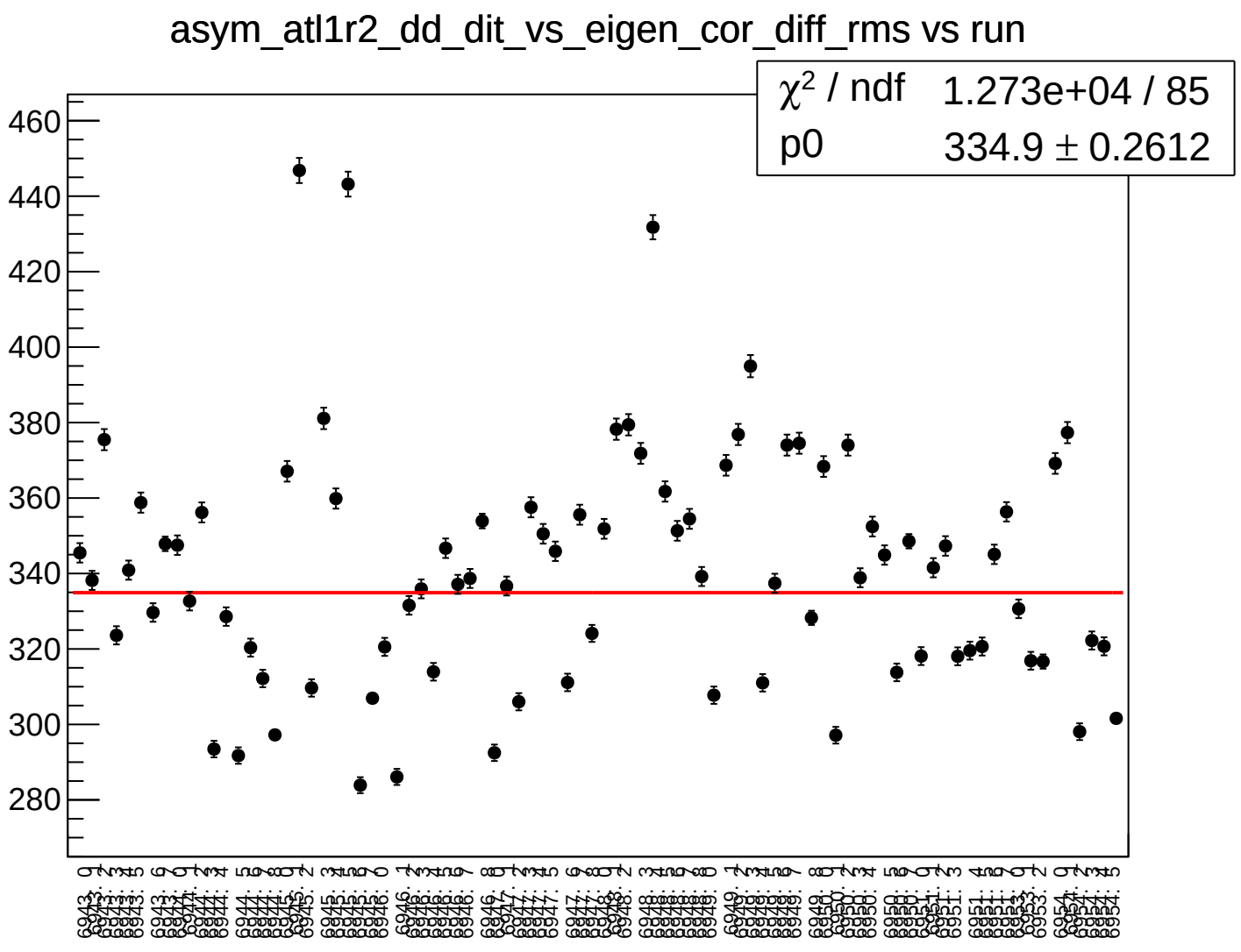

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.2915 ± 0.3695
pull
Entries 86
Mean 286.2
Std Dev 0

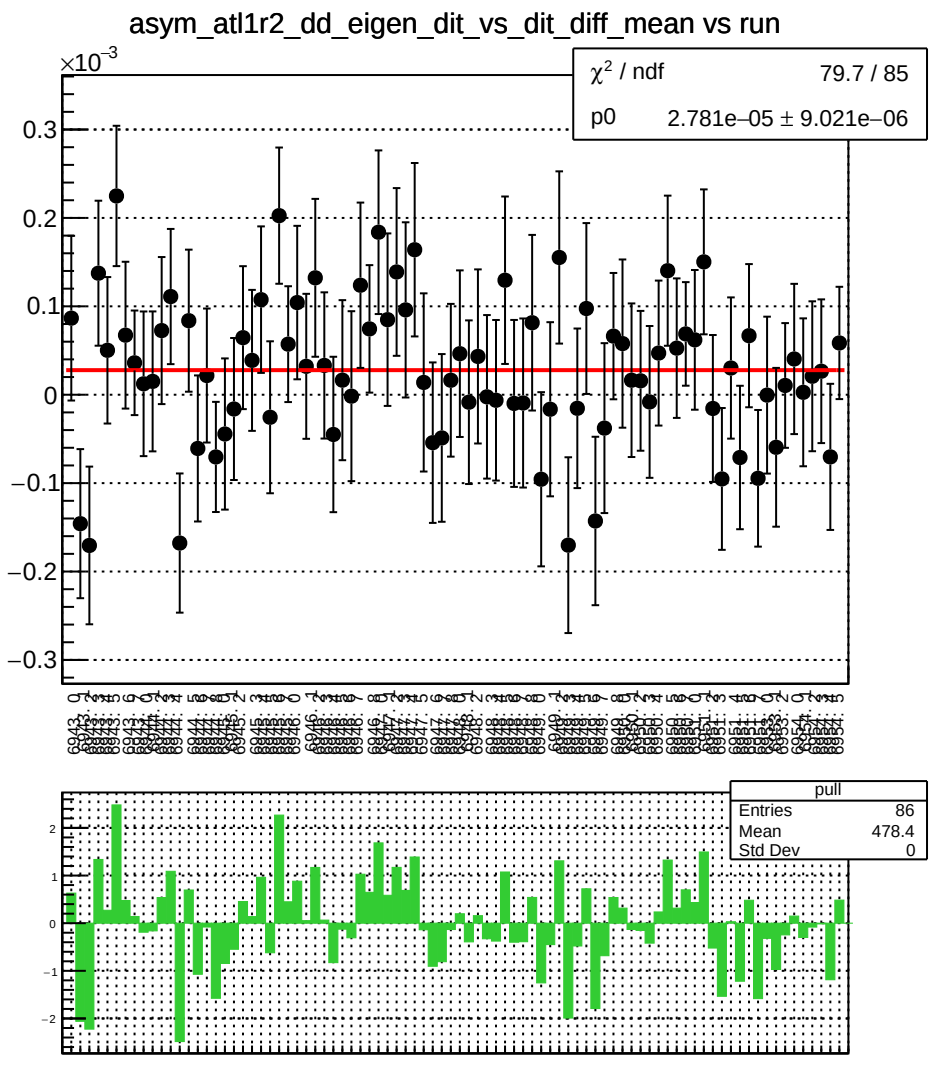

pull1D
Entries 86
Mean −0.002716
Std Dev 1.108

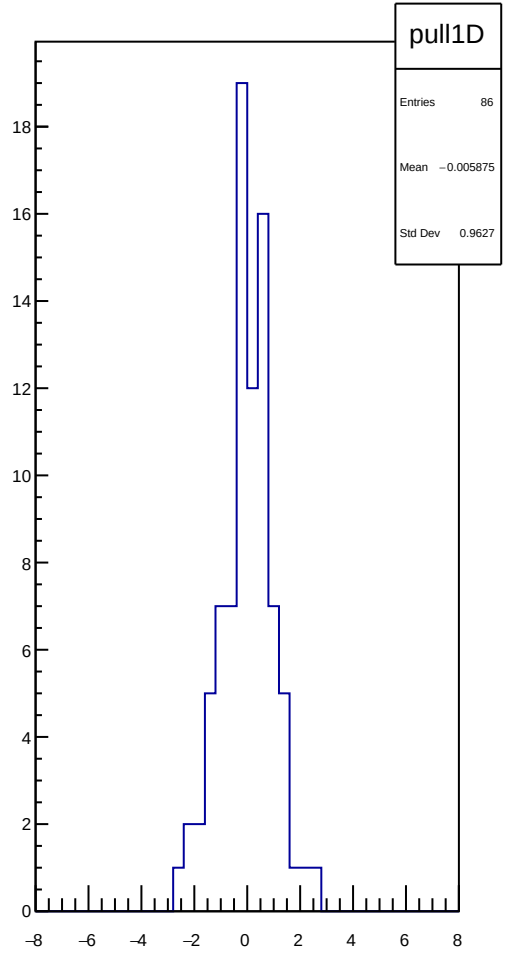

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.273e+04 / 85
p0 334.9 ± 0.2612
460
440
420
400
380
360
340
320
300
280

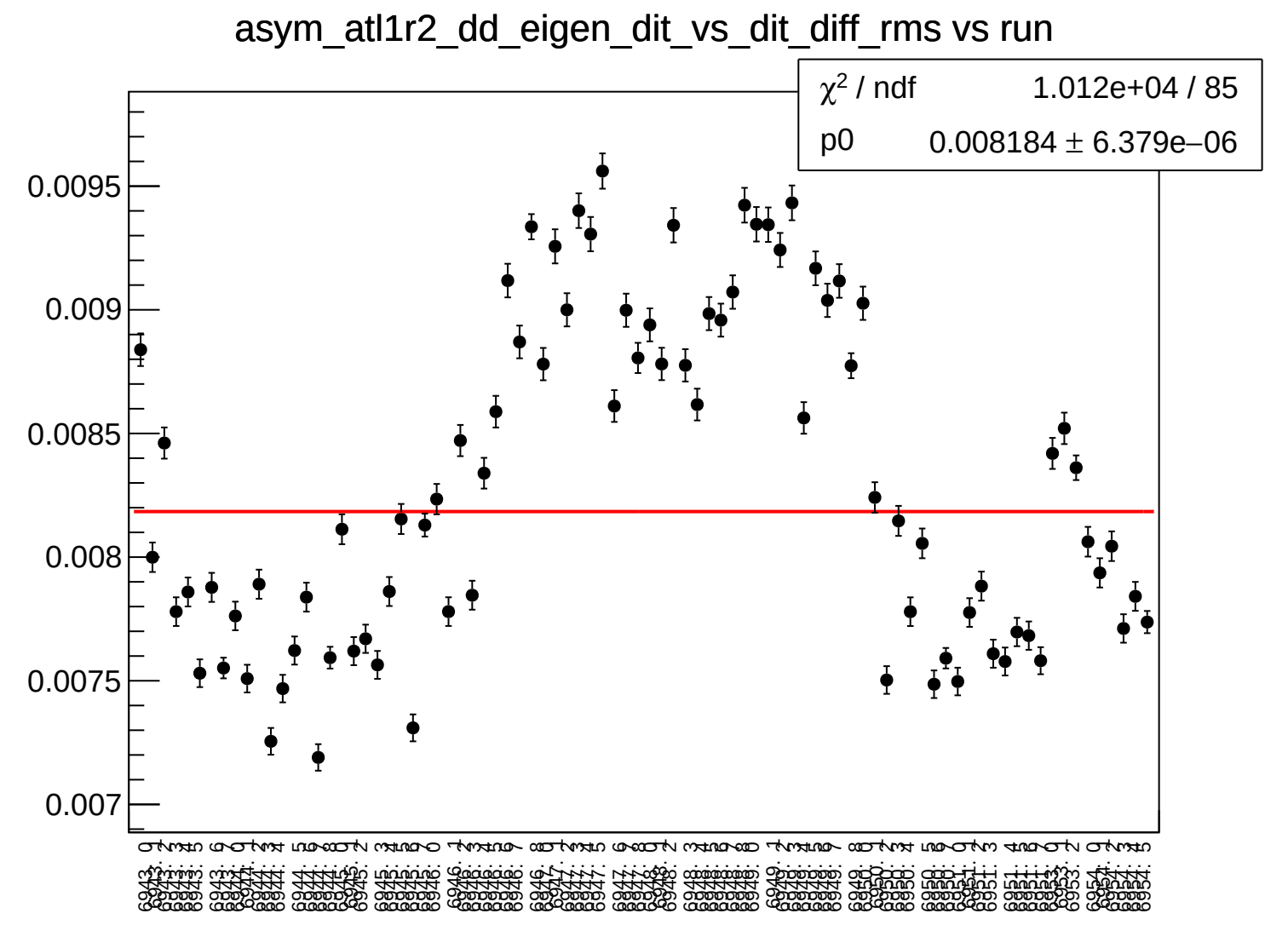

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.2915 ± 0.3695
pull
Entries 86
Mean 286.2
Std Dev 0

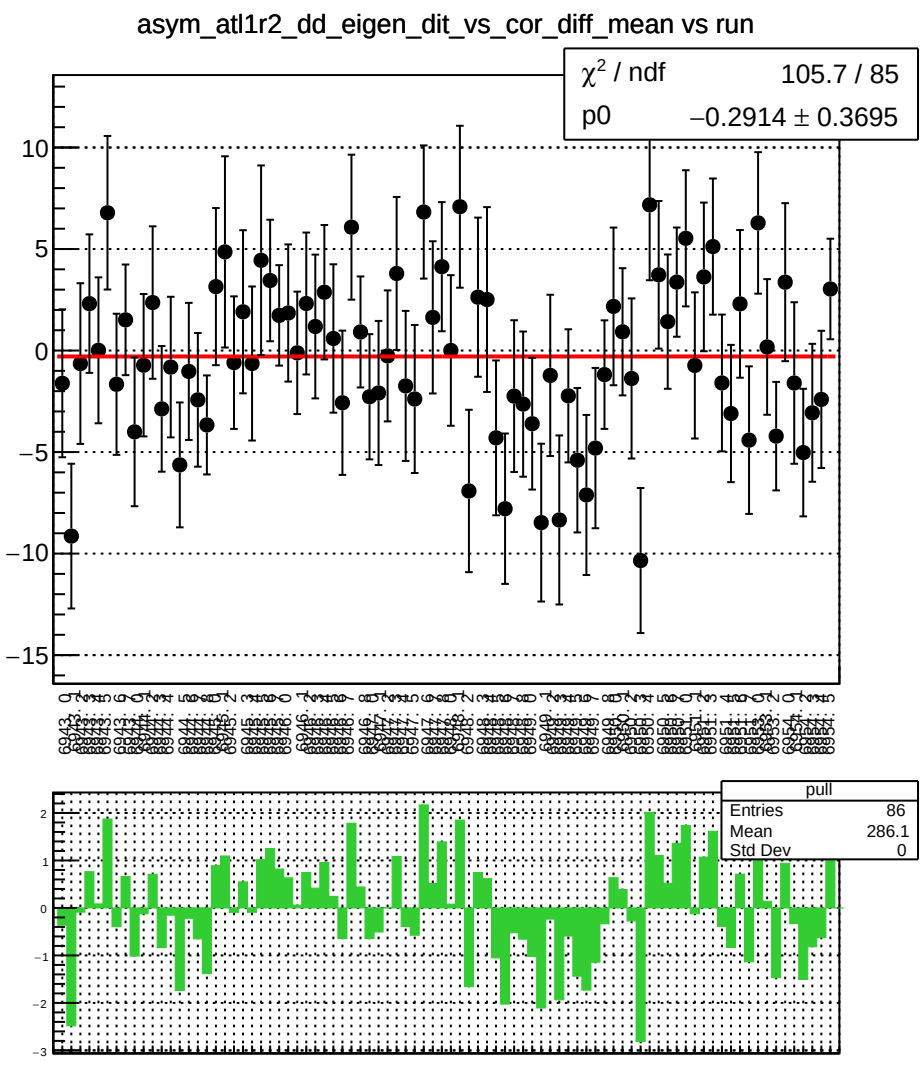

pull1D
Entries 86
Mean −0.002716
Std Dev 1.108

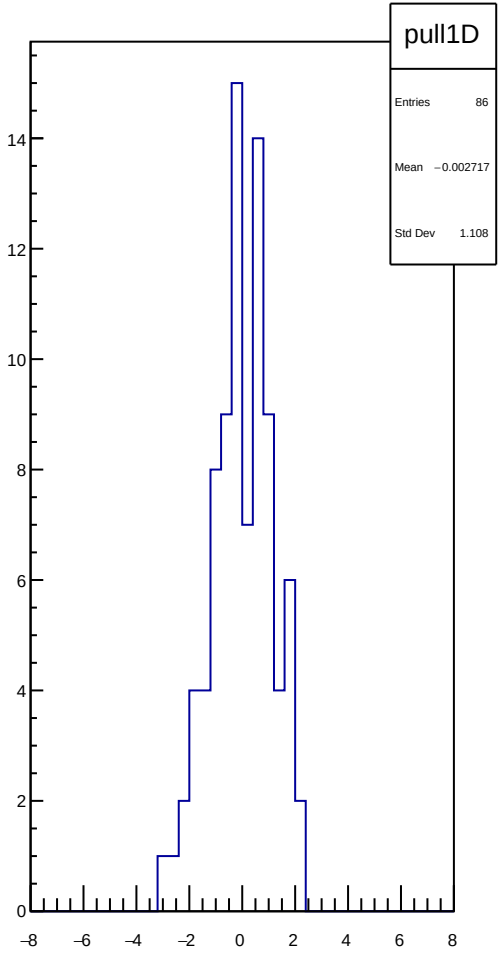

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.273e+04 / 85
p0 334.9 ± 0.2612
460
440
420
400
380
360
340
320
300
280

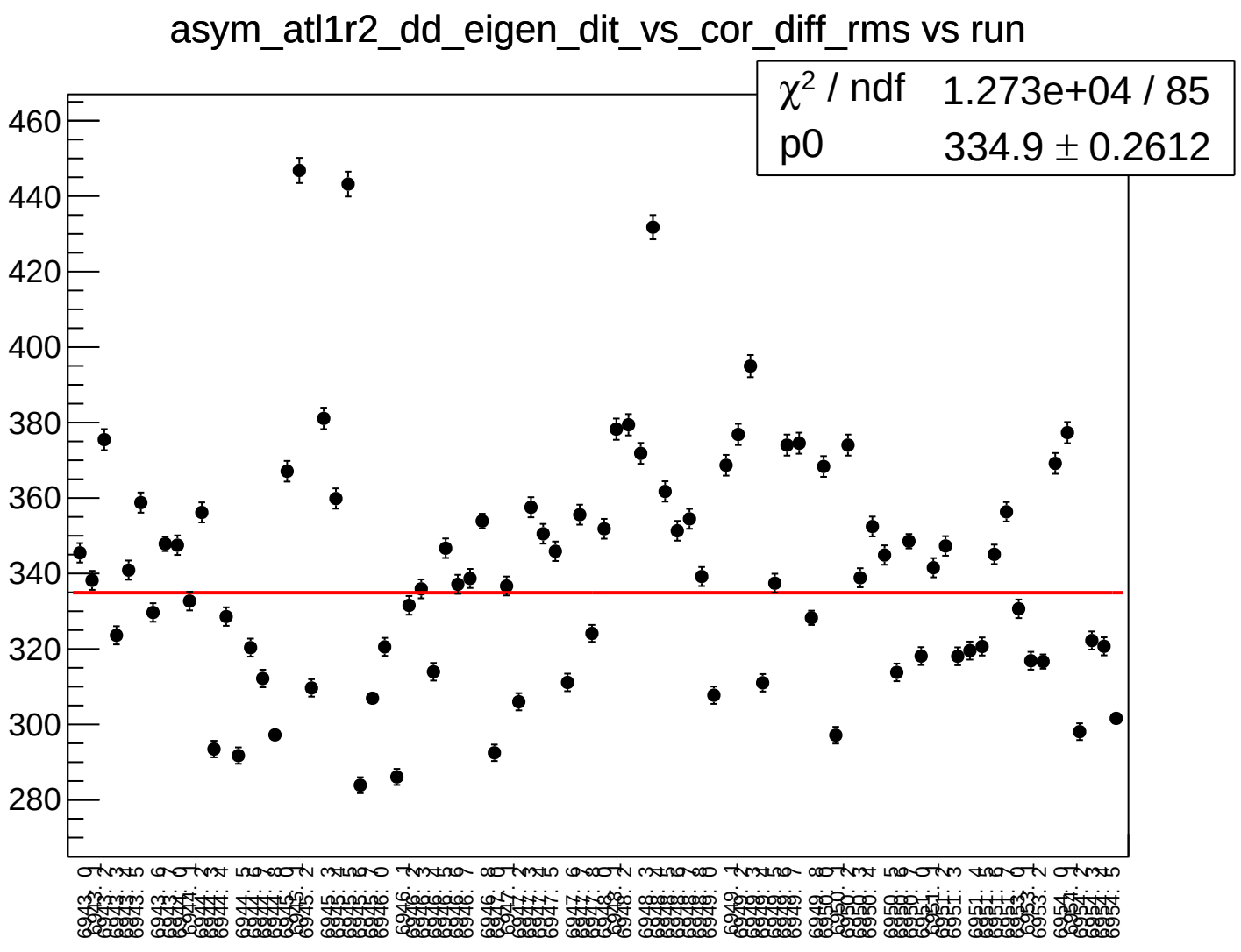

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.7 / 85
p0 2.781e−05 ± 9.021e−06
pull
Entries 86
Mean 478.4
Std Dev 0

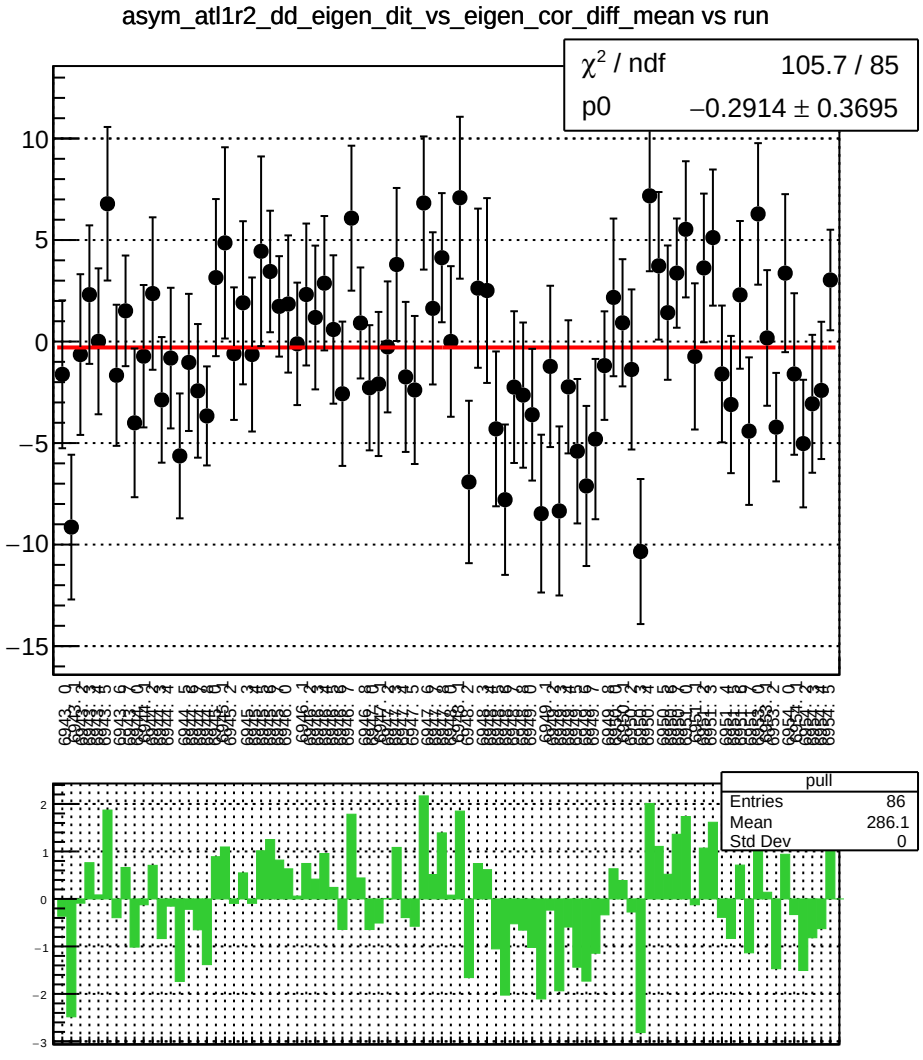

pull1D
Entries 86
Mean −0.005875
Std Dev 0.9627

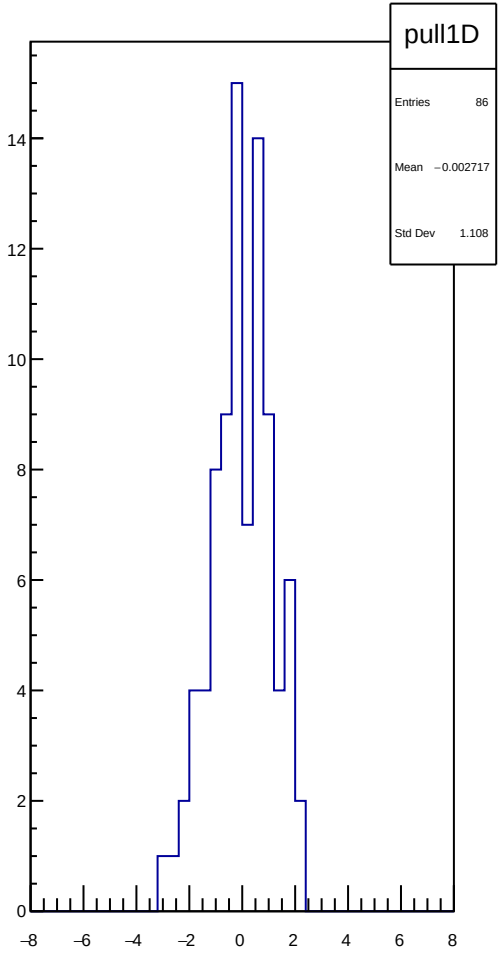

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.012e+04 / 85
p0 0.008184 ± 6.379e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

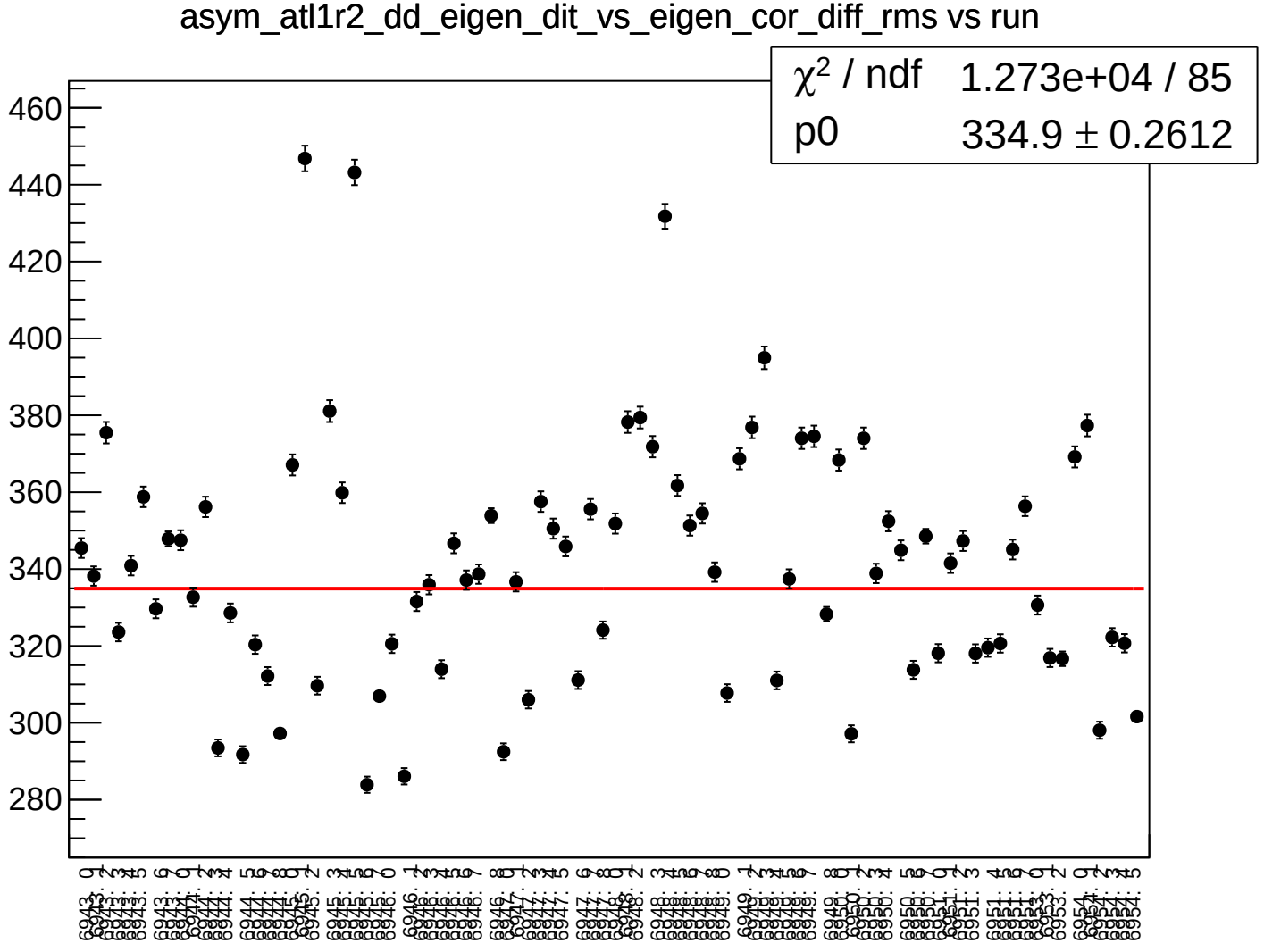

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.2914 ± 0.3695
pull
Entries 86
Mean 286.1
Std Dev 0

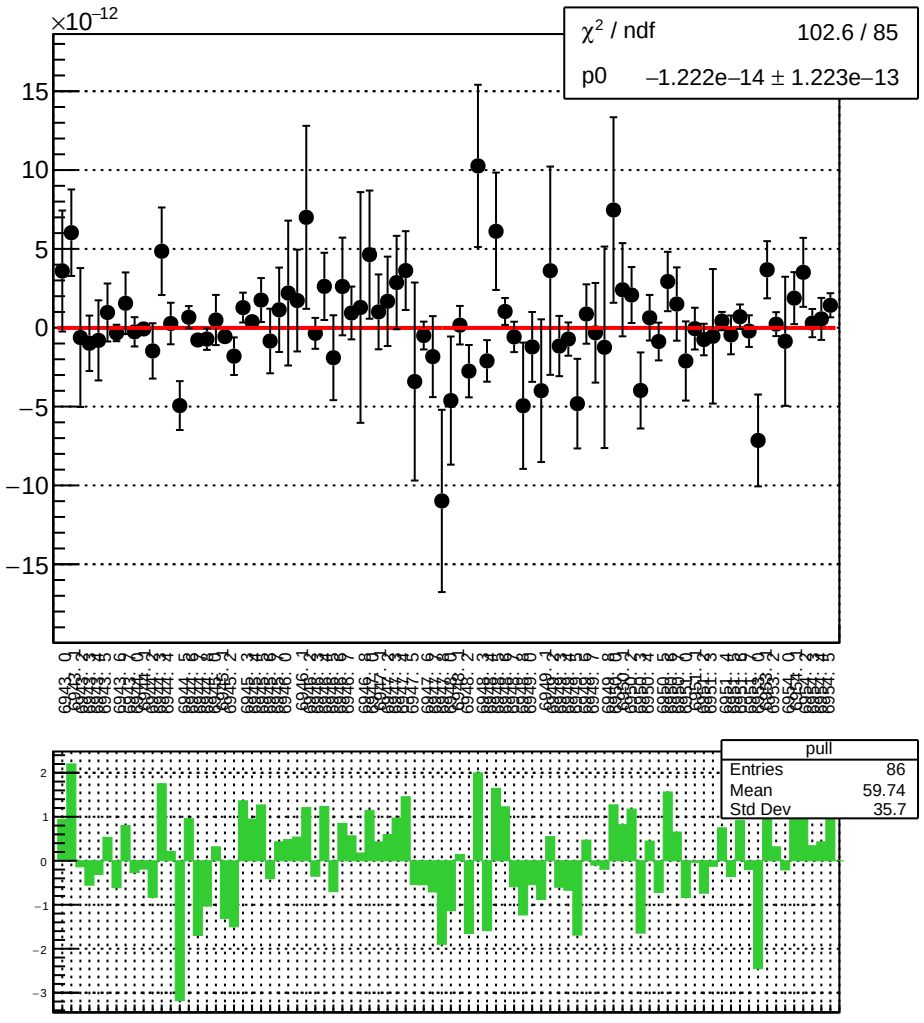

pull1D
Entries 86
Mean −0.002717
Std Dev 1.108

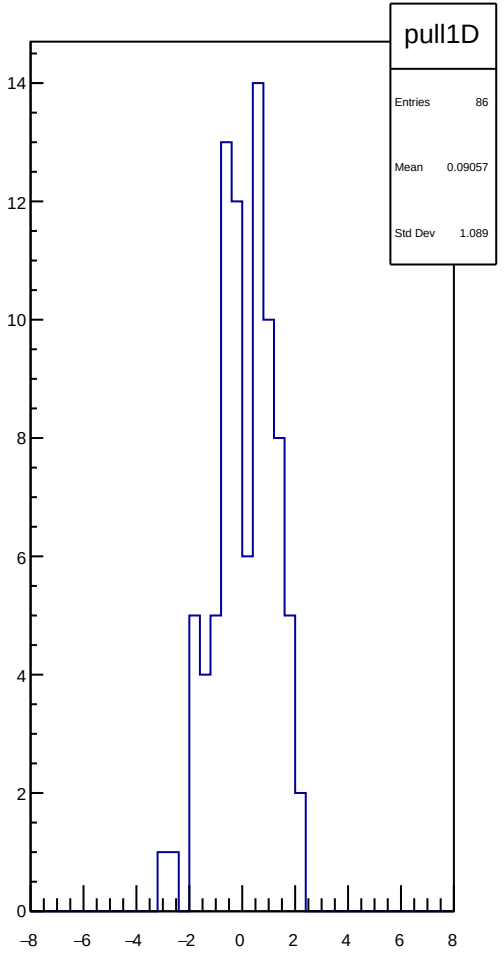

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.273e+04 / 85
p0 334.9 ± 0.2612
460
440
420
400
380
360
340
320
300
280

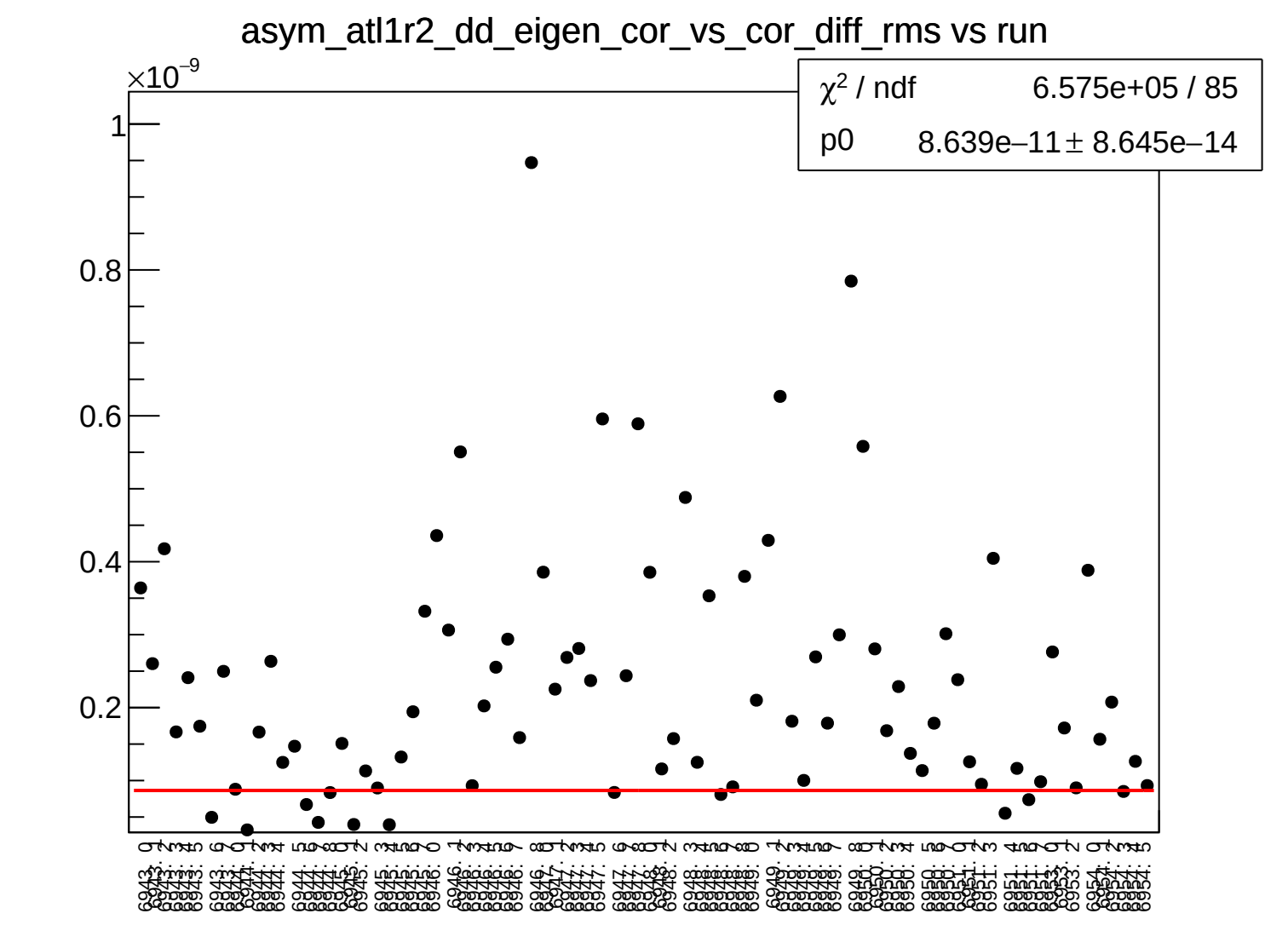

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.2914 ± 0.3695
pull
Entries 86
Mean 286.1
Std Dev 0

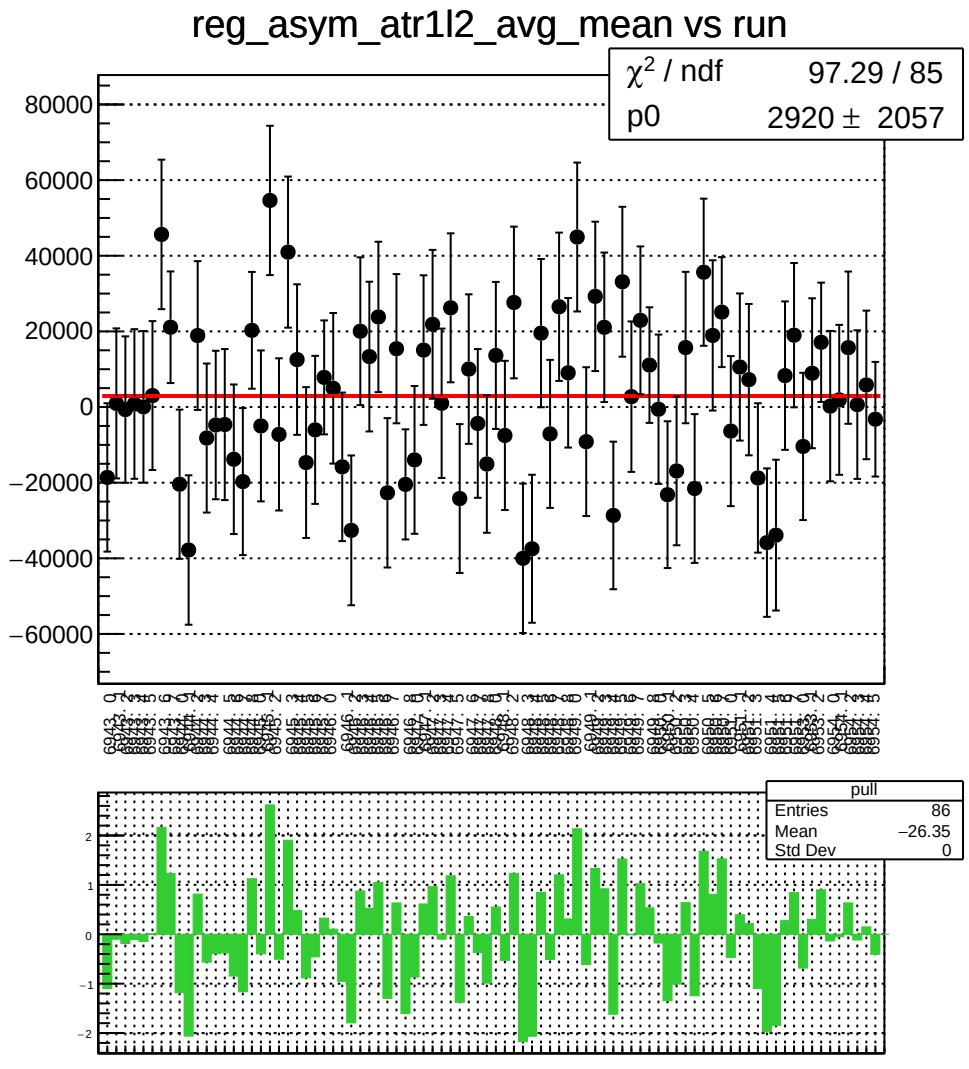

pull1D
Entries 86
Mean −0.002717
Std Dev 1.108

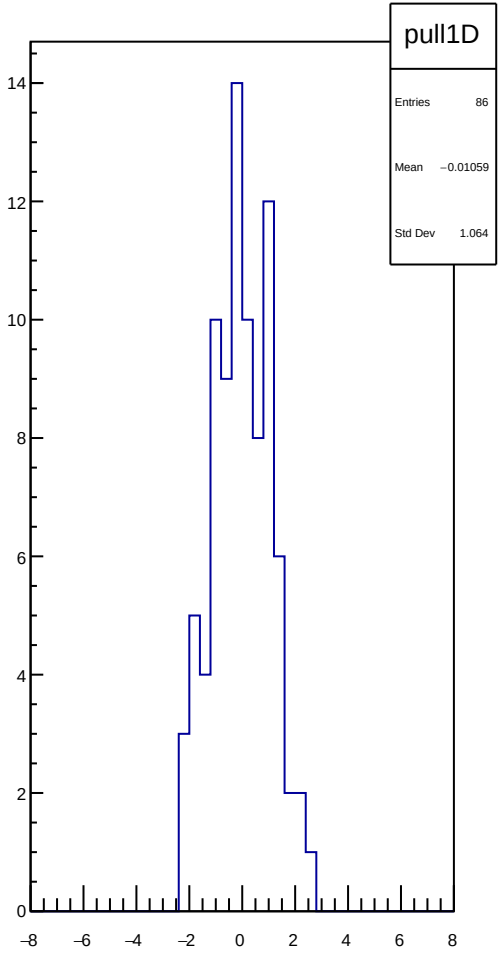

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.273e+04 / 85
p0 334.9 ± 0.2612
460
440
420
400
380
360
340
320
300
280

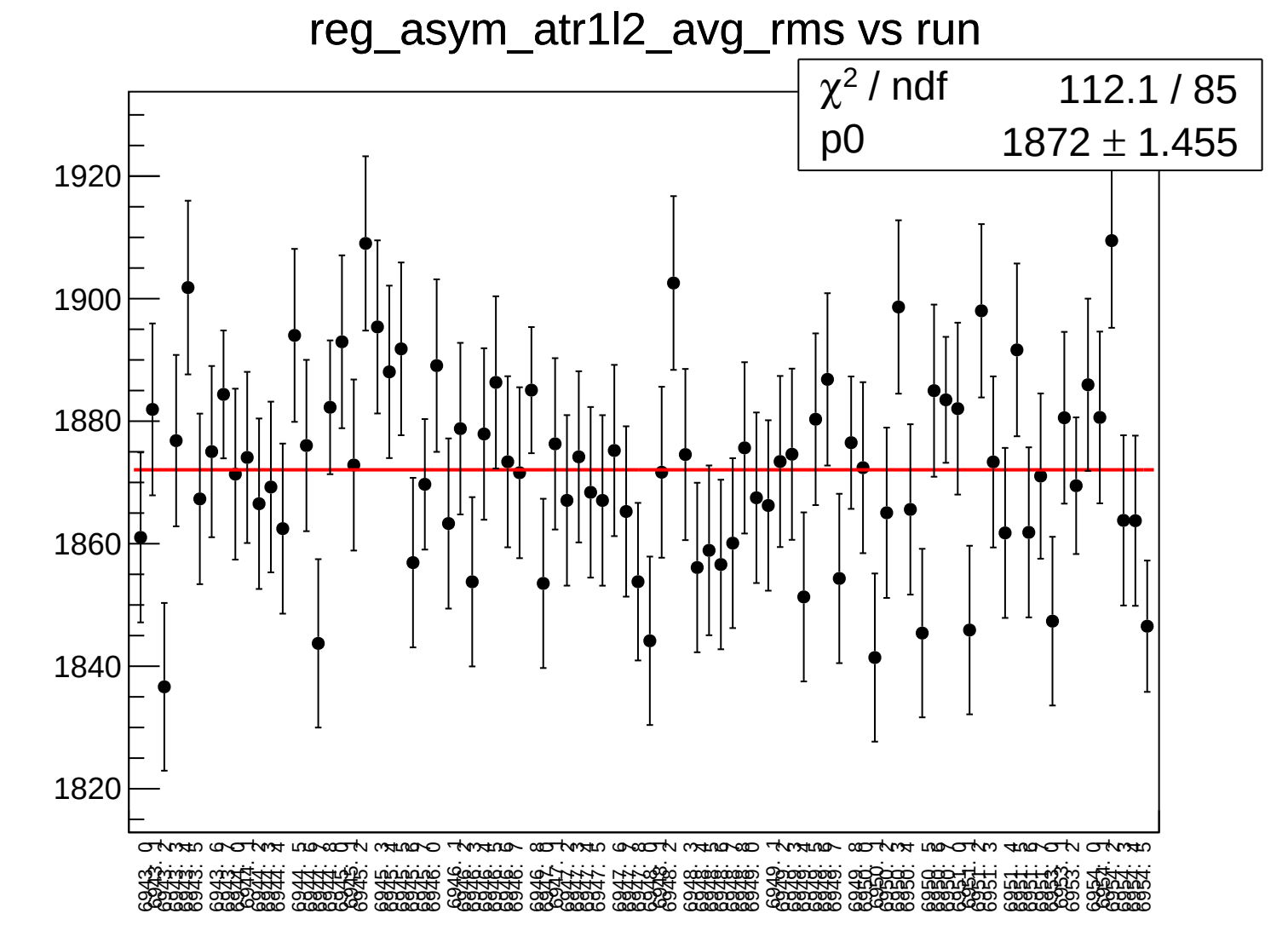

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 102.6 / 85
p0 −1.222e−14 ± 1.223e−13
pull
Entries 86
Mean 59.74
Std Dev 35.7

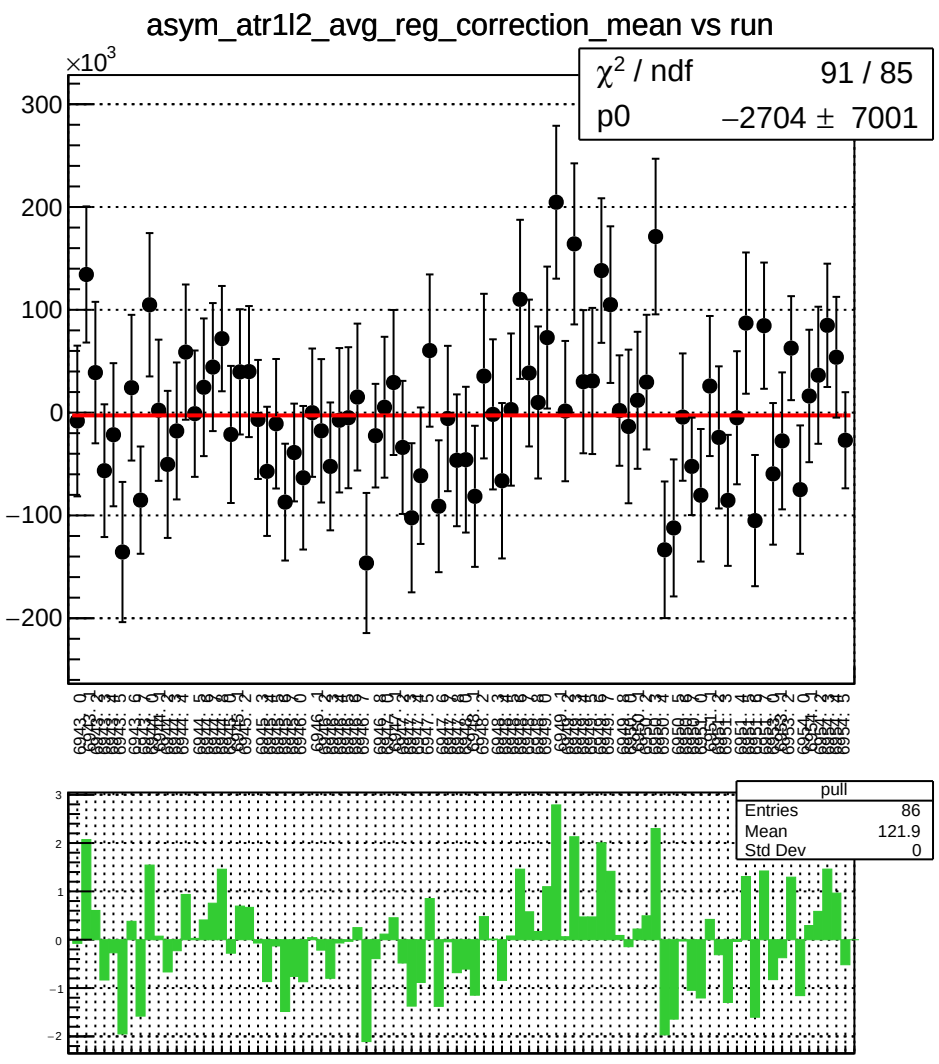

pull1D
Entries 86
Mean 0.09057
Std Dev 1.089

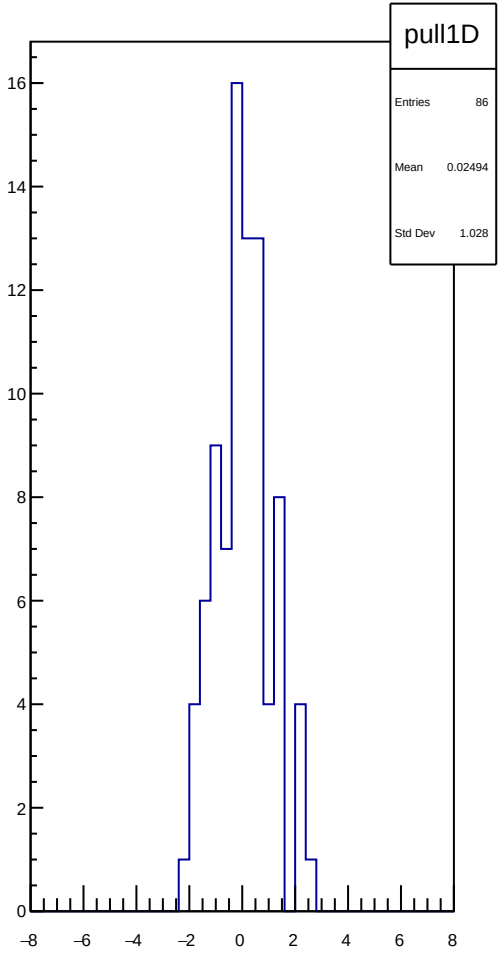

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.575e+05 / 85
p0 8.639e−11 ± 8.645e−14
1
0.8
0.6
0.4
0.2

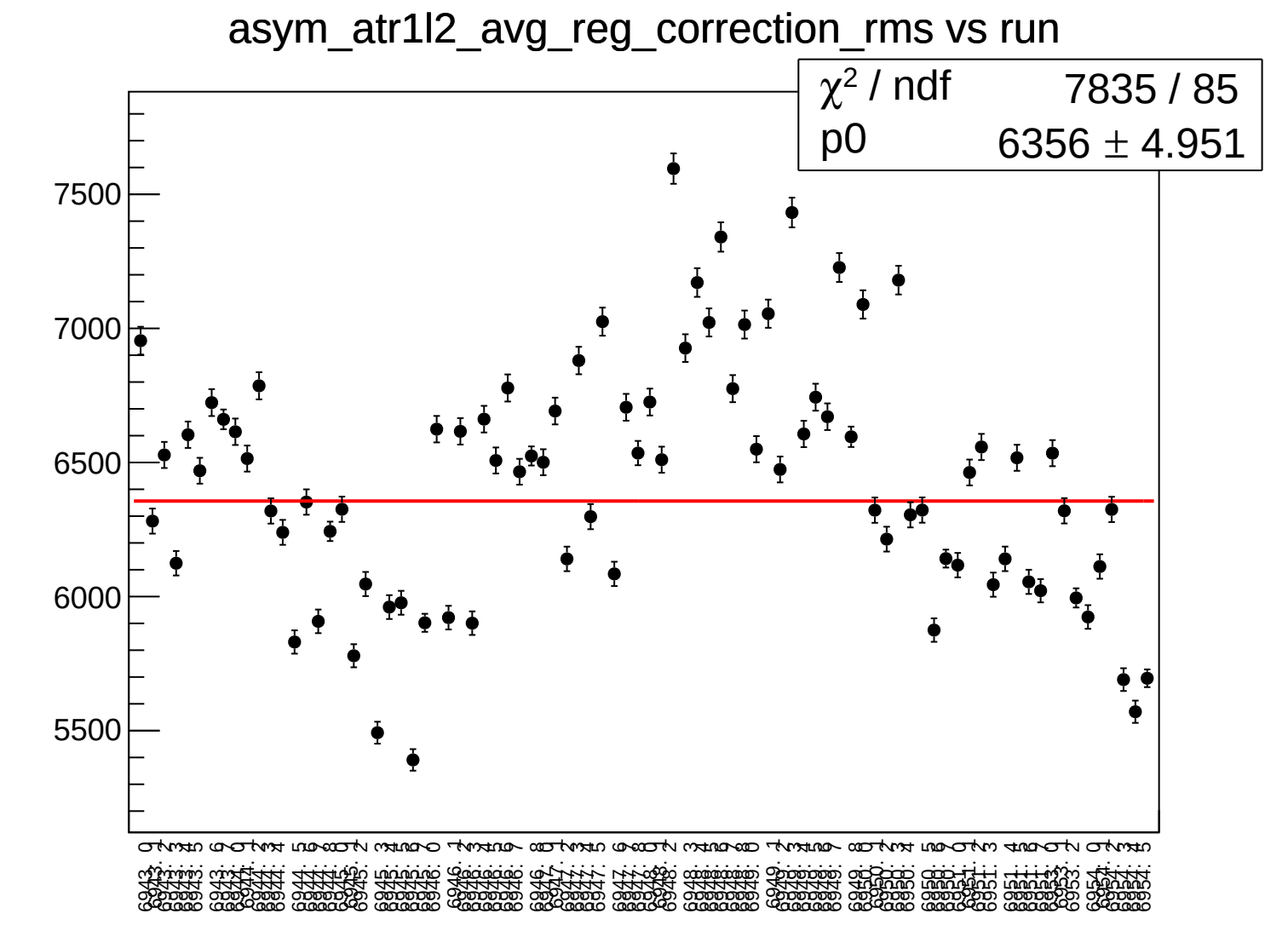

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 97.29 / 85
p0 2920 ± 2057
pull
Entries 86
Mean −26.35
Std Dev 0

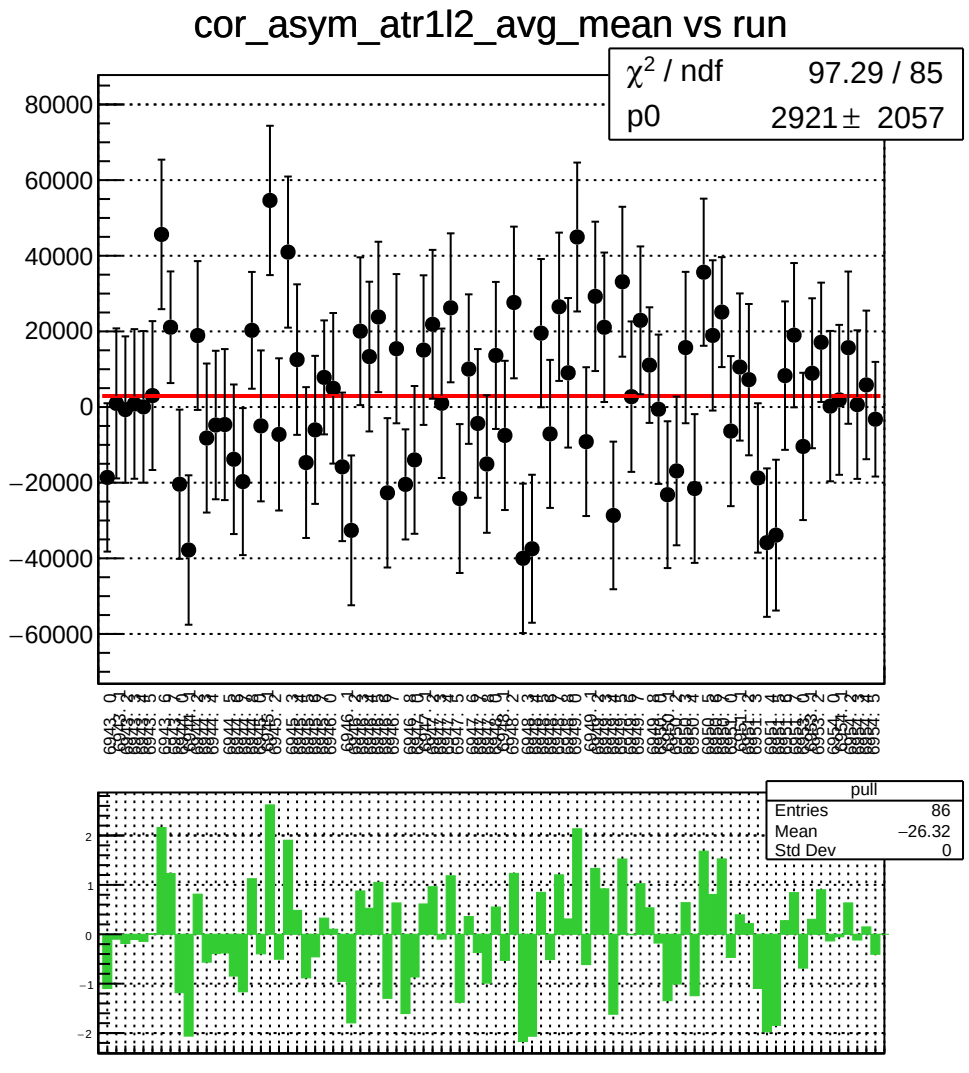

pull1D
Entries 86
Mean −0.01059
Std Dev 1.064

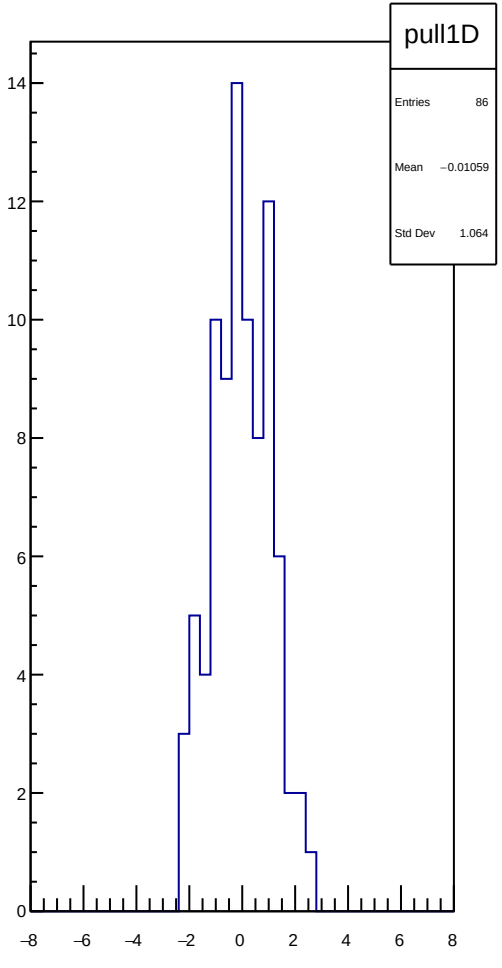

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 112.1 / 85
p0 1872 ± 1.455
1920
1900
1880
1860
1840
1820

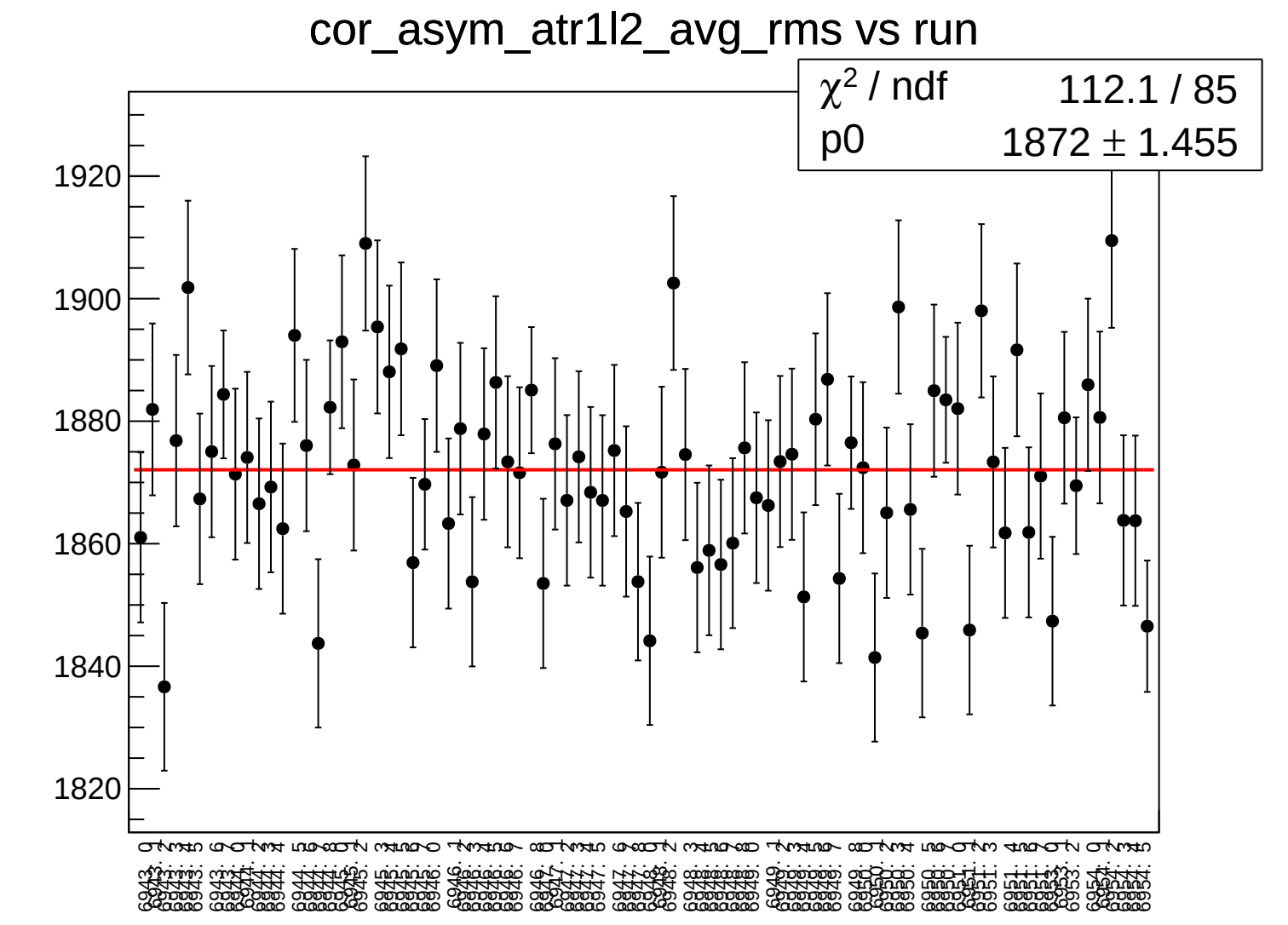

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91 / 85
p0 −2704 ± 7001
300
200
100
0
−100
−200
pull
Entries 86
Mean 121.9
Std Dev 0
3
2
1
0
−1
−2

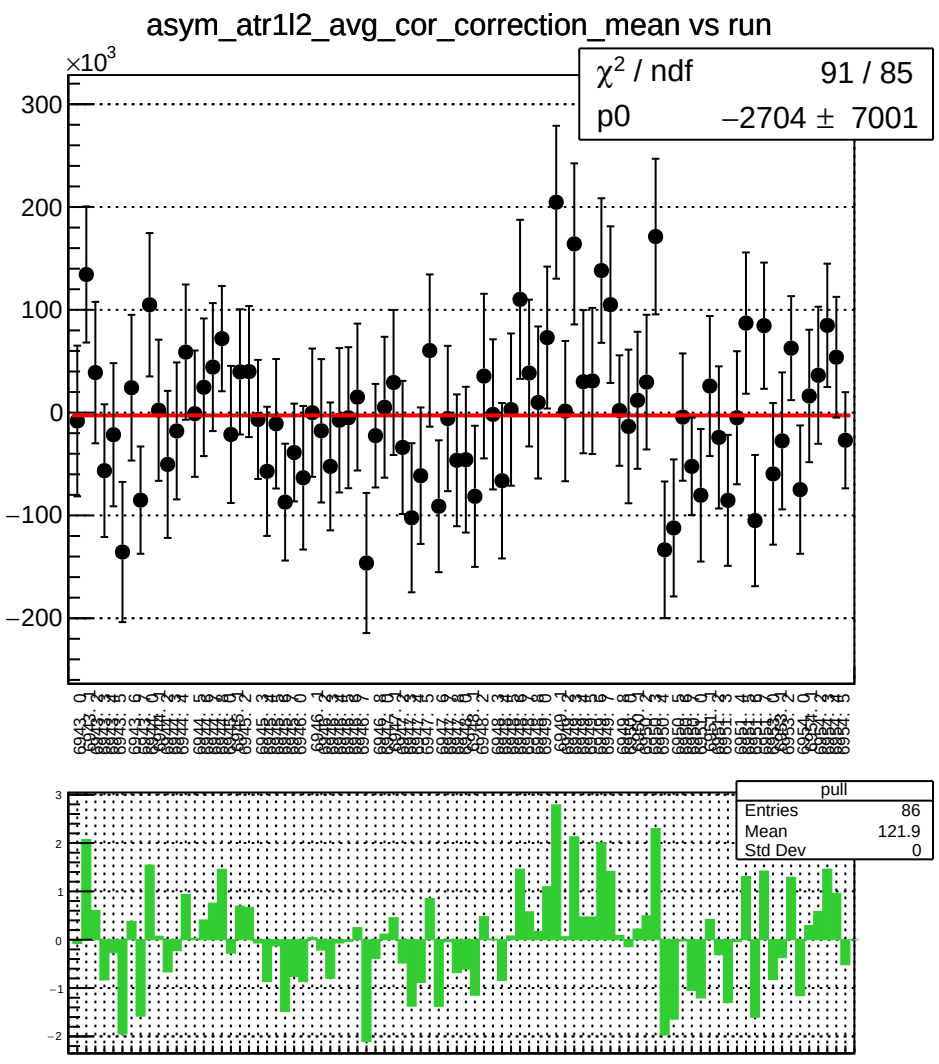

pull1D
Entries 86
Mean 0.02494
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

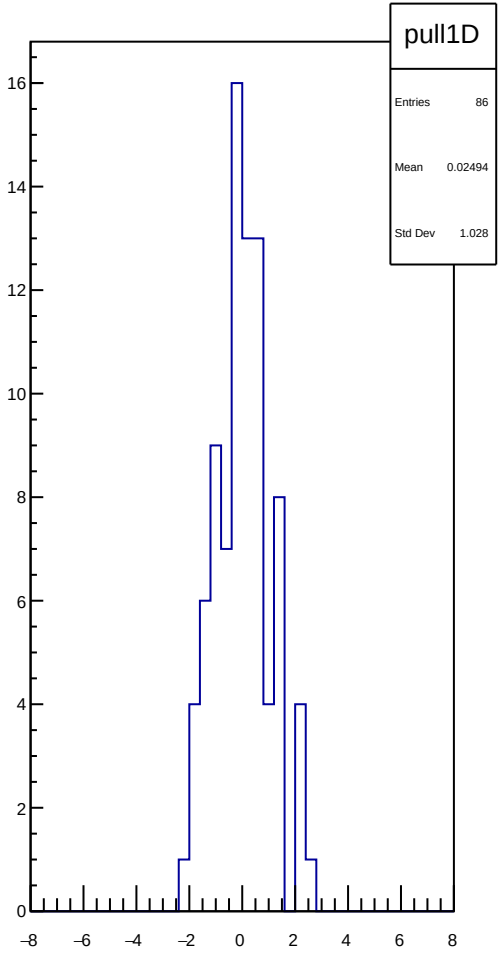

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 7835 / 85
p0 6356 ± 4.951
7500
7000
6500
6000
5500


cor_asym_atr1l2_avg_mean vs run
χ² / ndf 97.29 / 85
p0 2921 ± 2057
pull
Entries 86
Mean −26.32
Std Dev 0


pull1D
Entries 86
Mean −0.01059
Std Dev 1.064


cor_asym_atr1l2_avg_rms vs run
χ^2 / ndf 112.1 / 85
p0 1872 ± 1.455
1920
1900
1880
1860
1840
1820


asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91 / 85
p0 −2704 ± 7001
300
200
100
0
−100
−200
pull
Entries 86
Mean 121.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.02494
Std Dev 1.028
16
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10
8
6
4
2
0
−8
−6
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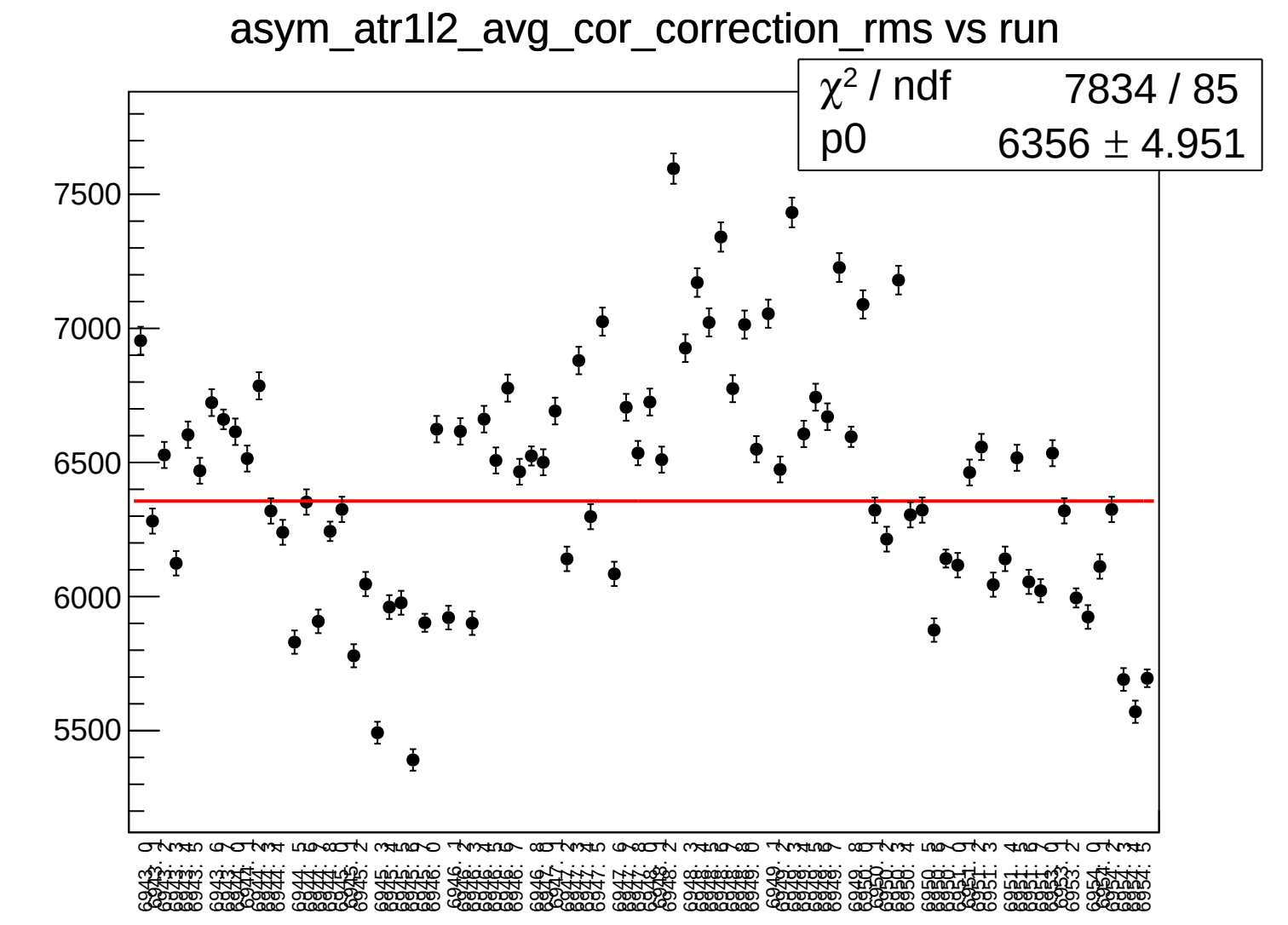
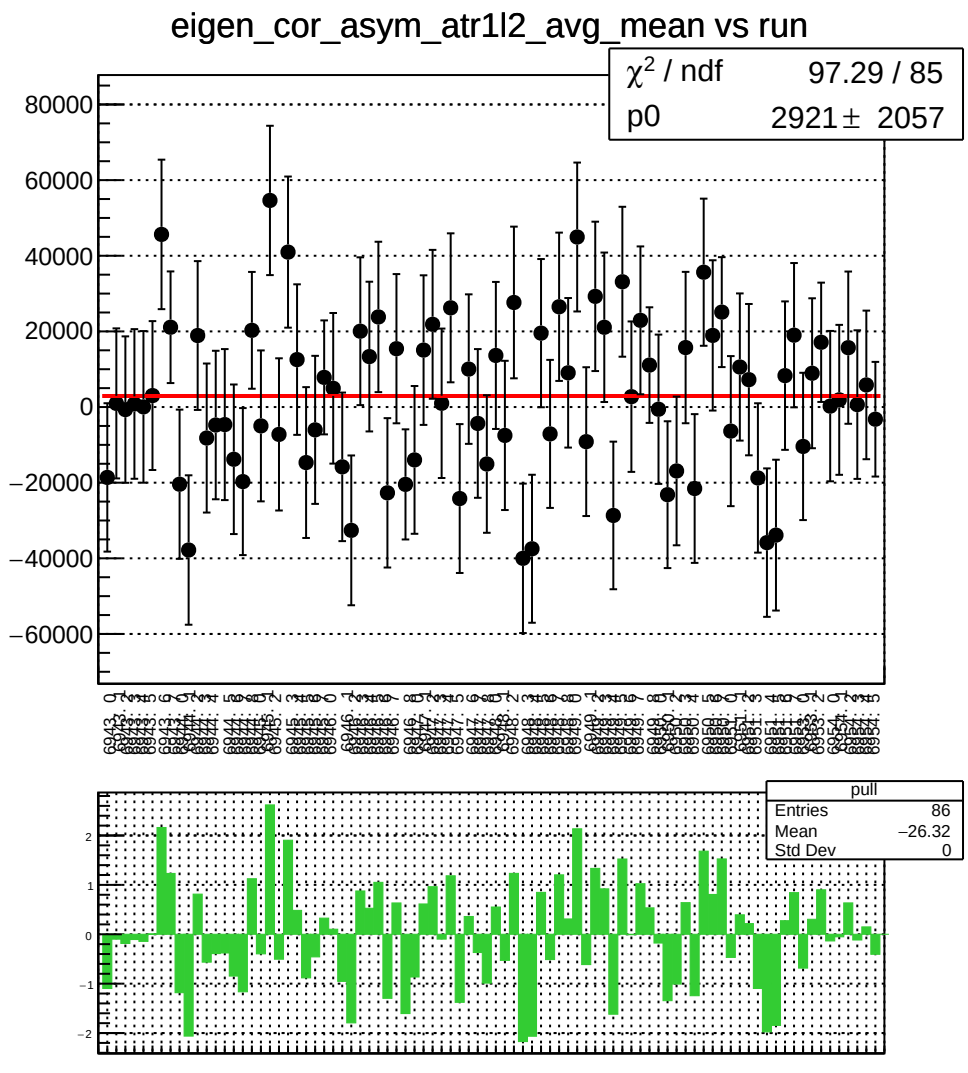
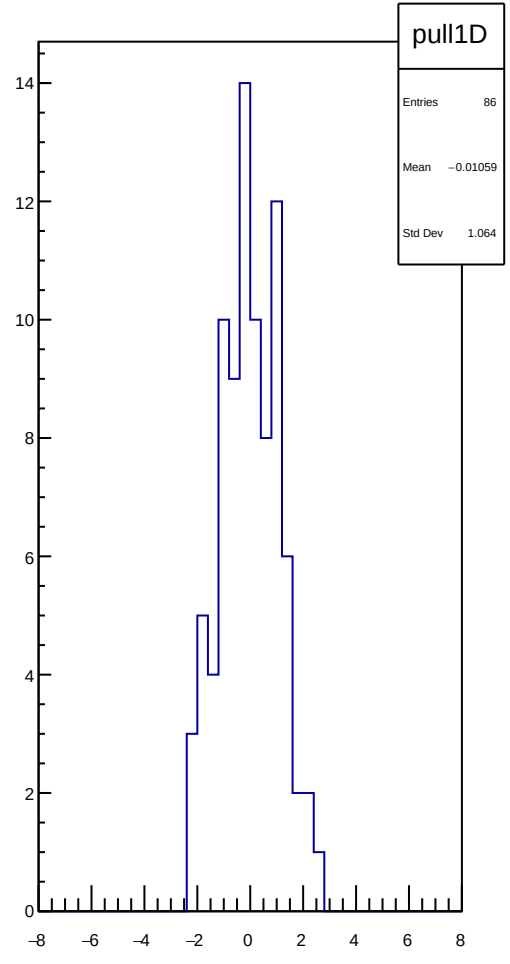
2
4
6
8


asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 7834 / 85
p0 6356 ± 4.951
7500
7000
6500
6000
5500


eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 97.29 / 85
p0 2921 ± 2057
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −26.32
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01059
Std Dev 1.064
14
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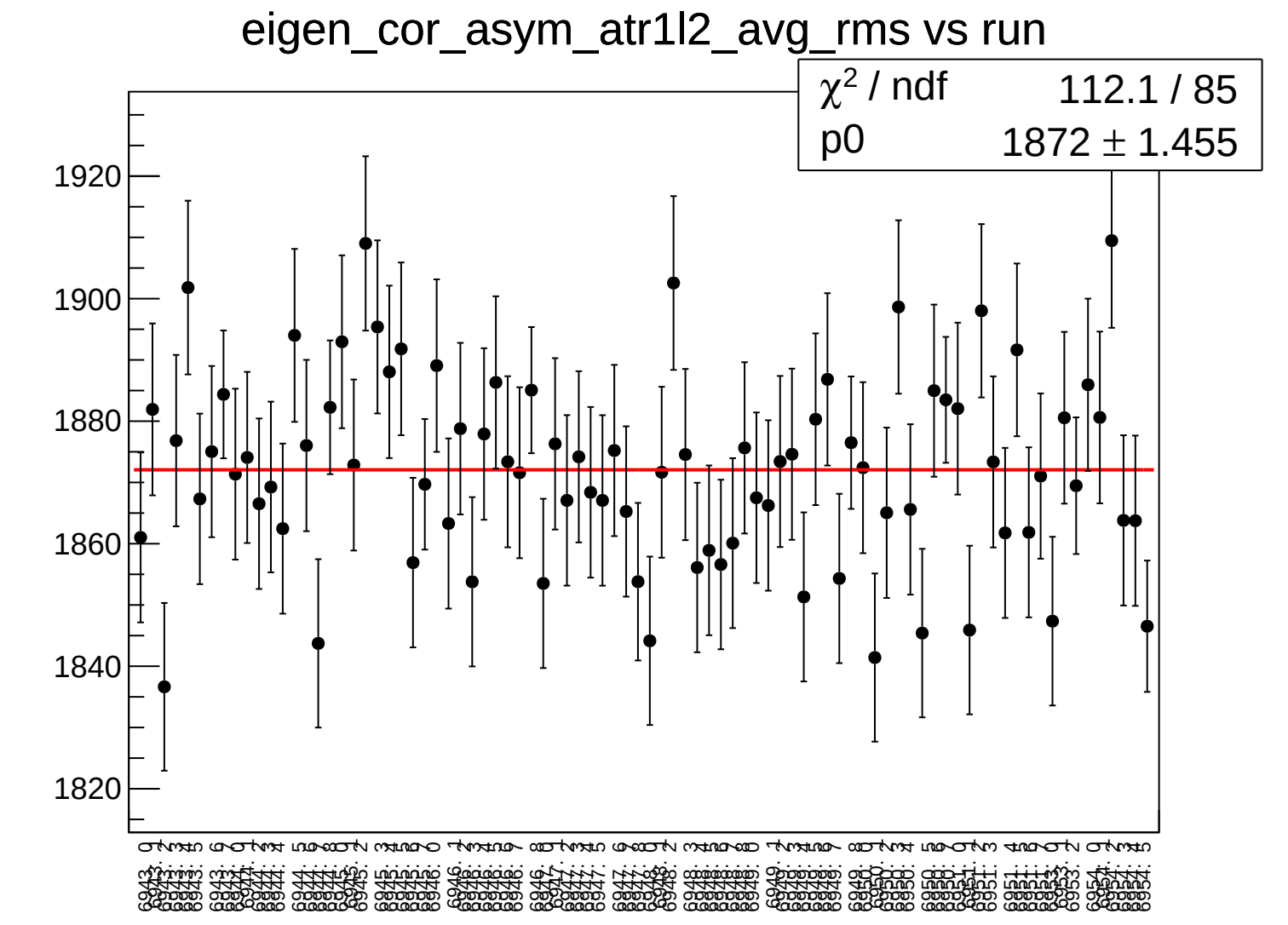
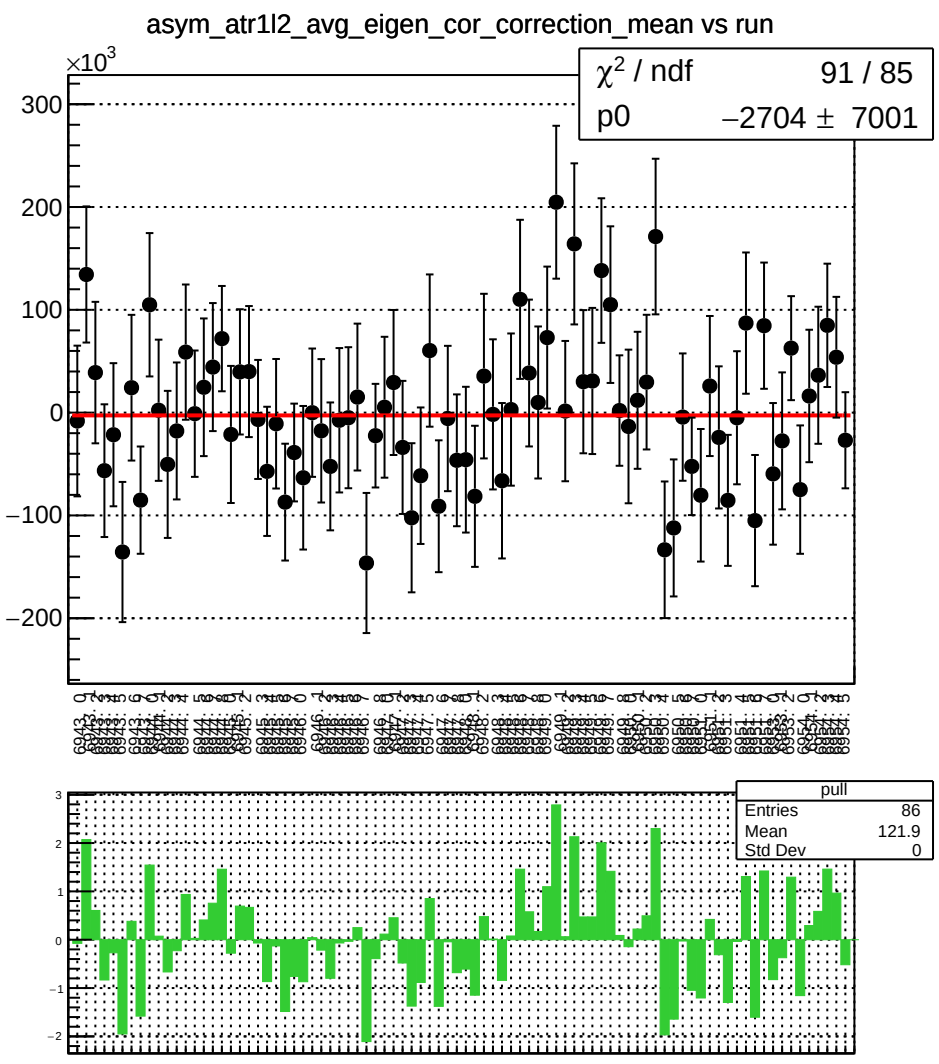
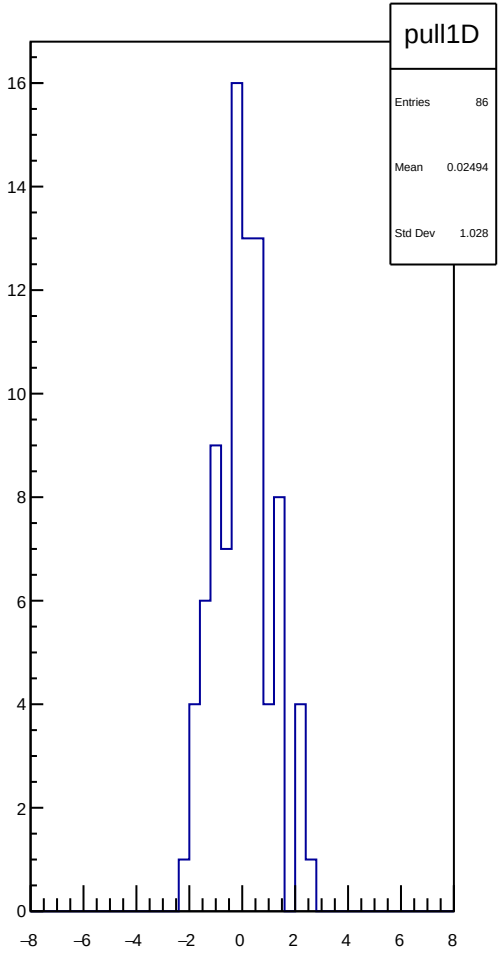
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr1l2_avg_rms vs run
χ^2 / ndf 112.1 / 85
p0 1872 ± 1.455
1920
1900
1880
1860
1840
1820


asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91 / 85
p0 −2704 ± 7001
300
200
100
0
−100
−200
pull
Entries 86
Mean 121.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.02494
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
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2
4
6
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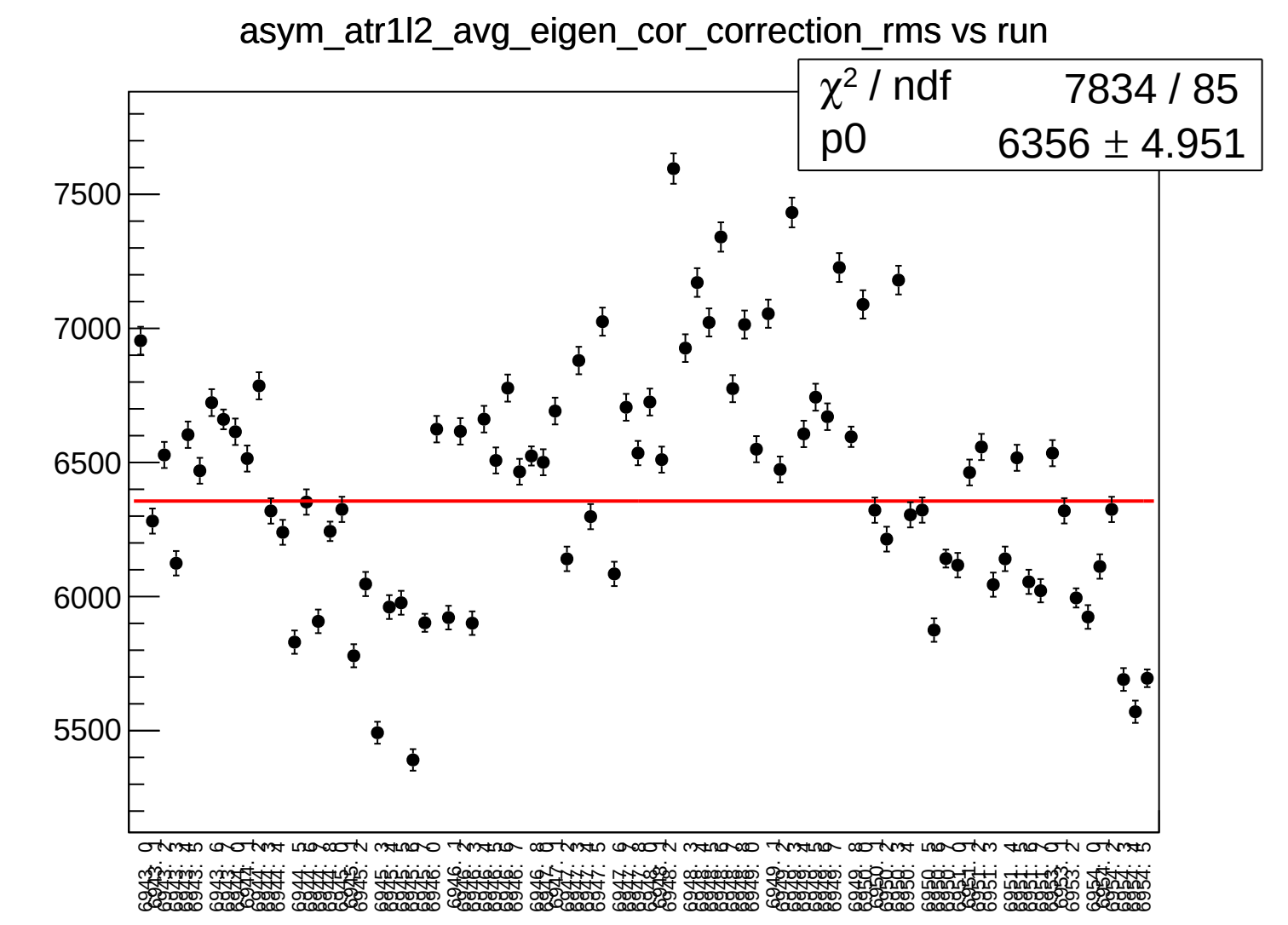
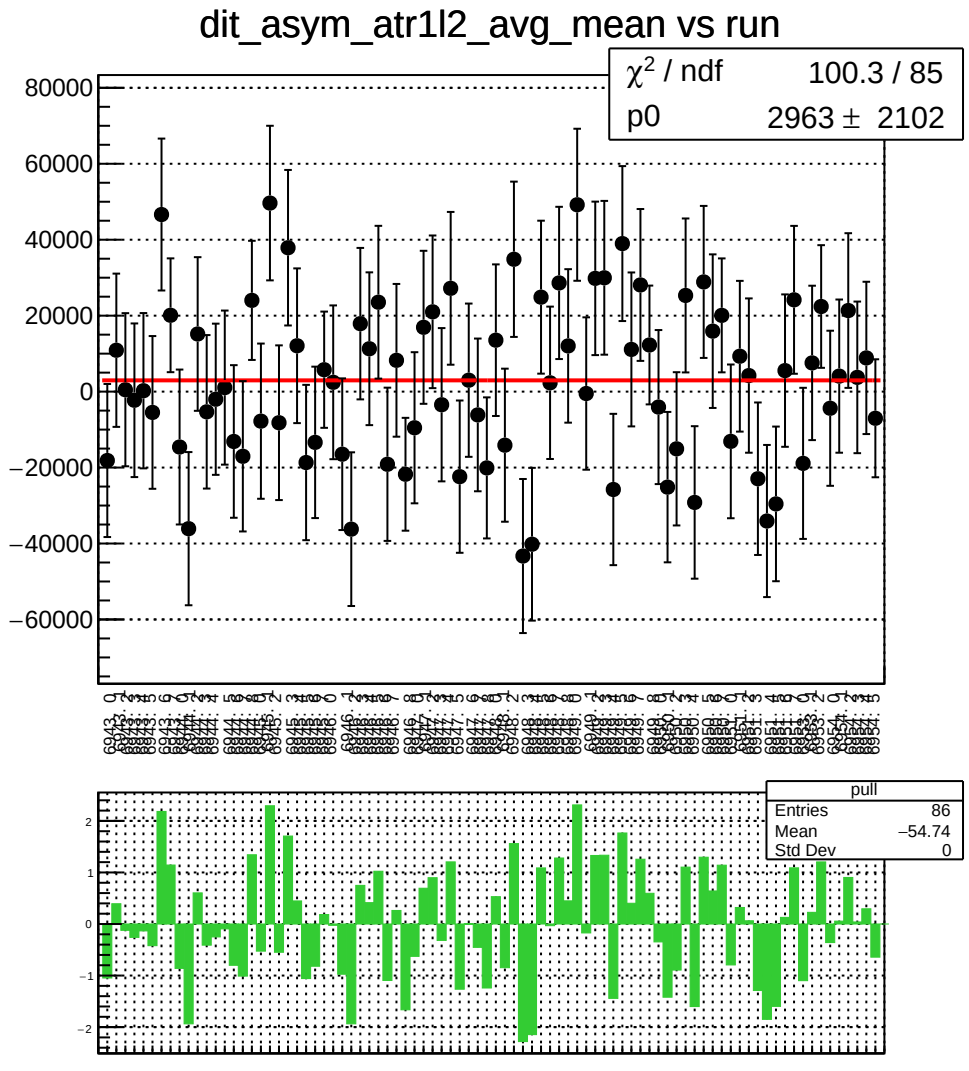
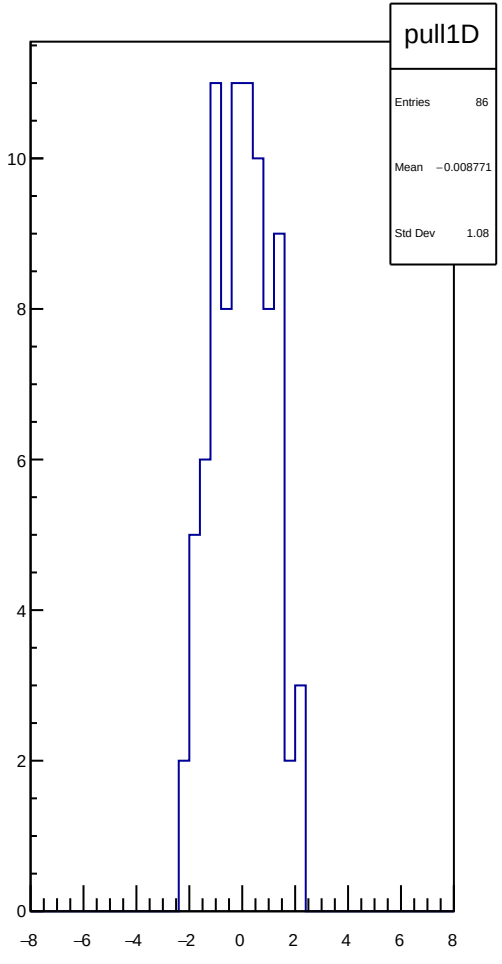

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7834 / 85
p0 6356 ± 4.951
7500
7000
6500
6000
5500


dit_asym_atr1l2_avg_mean vs run
χ² / ndf 100.3 / 85
p0 2963 ± 2102
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −54.74
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.008771
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
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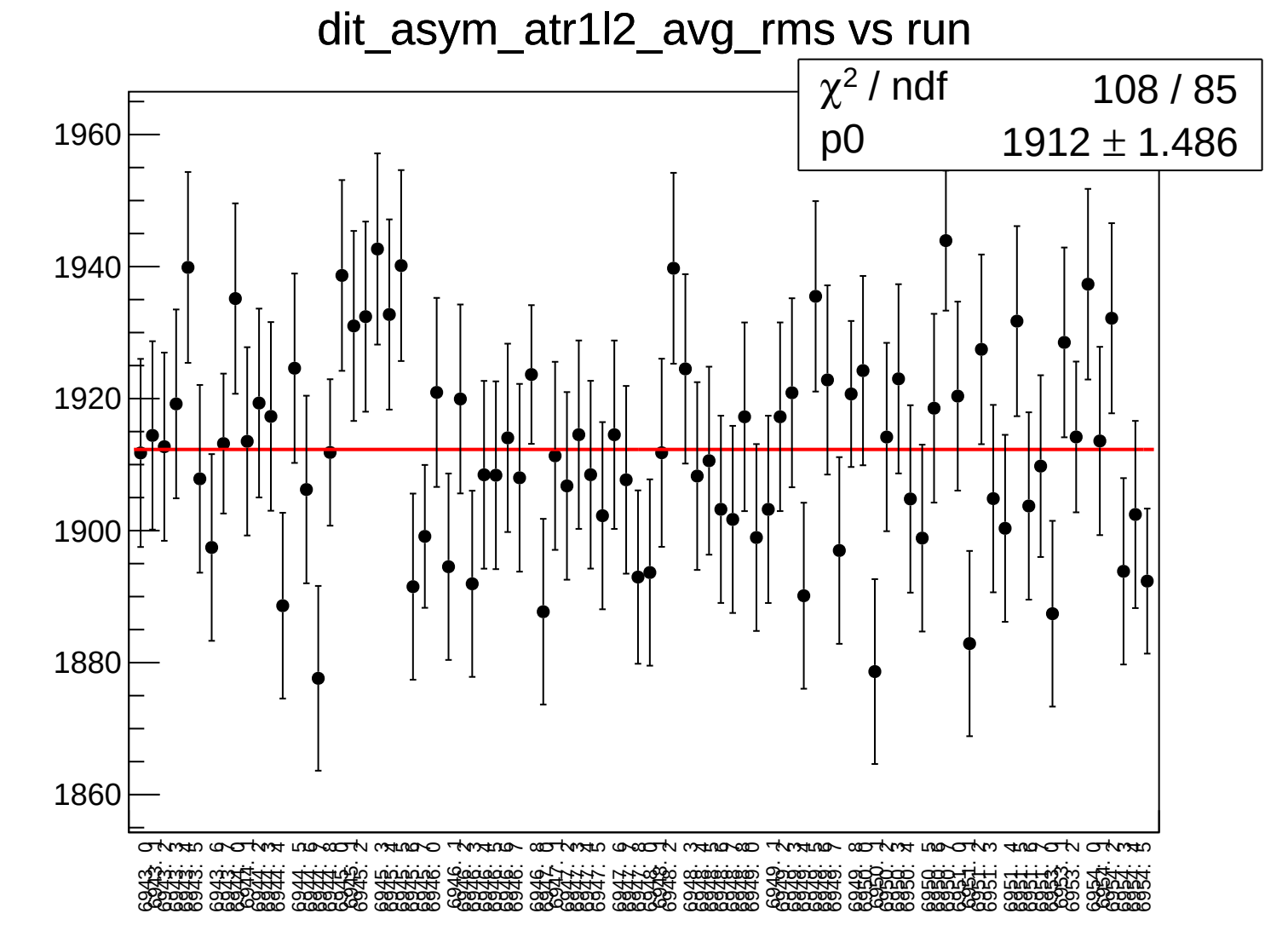
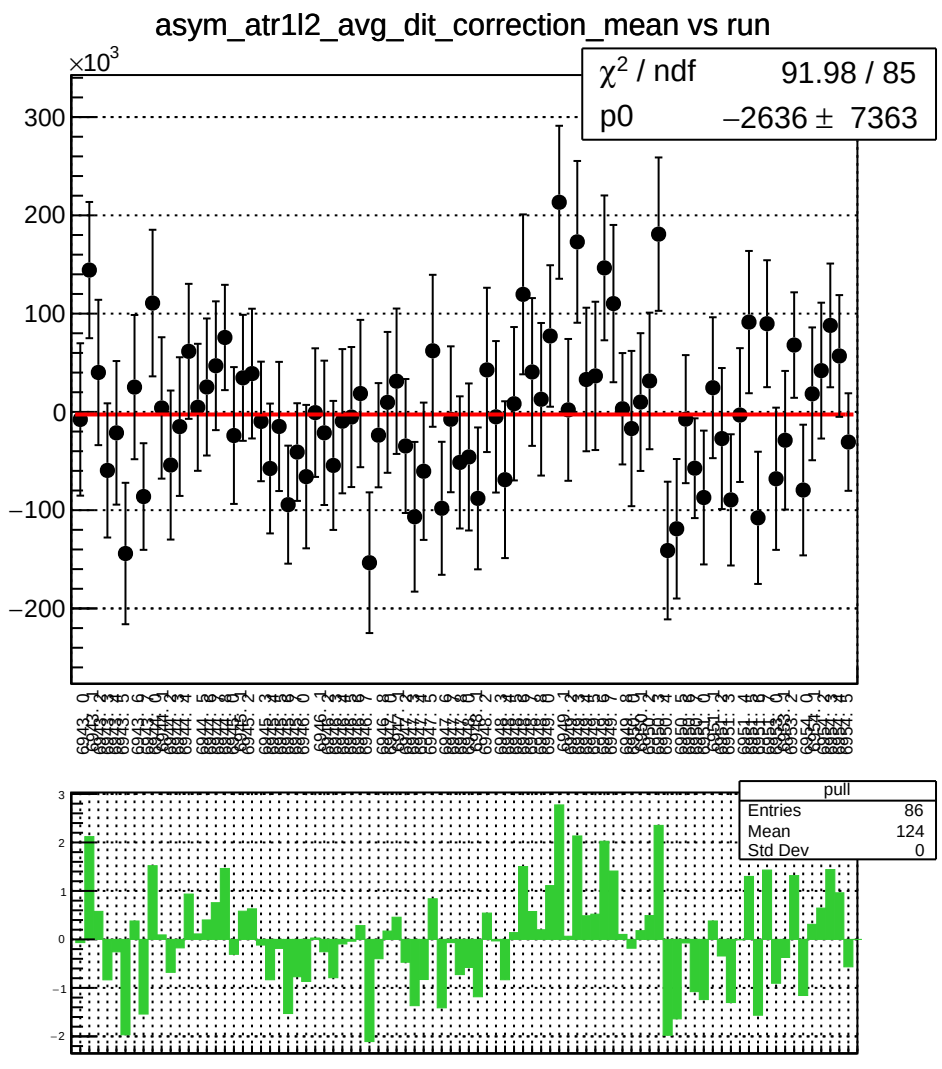
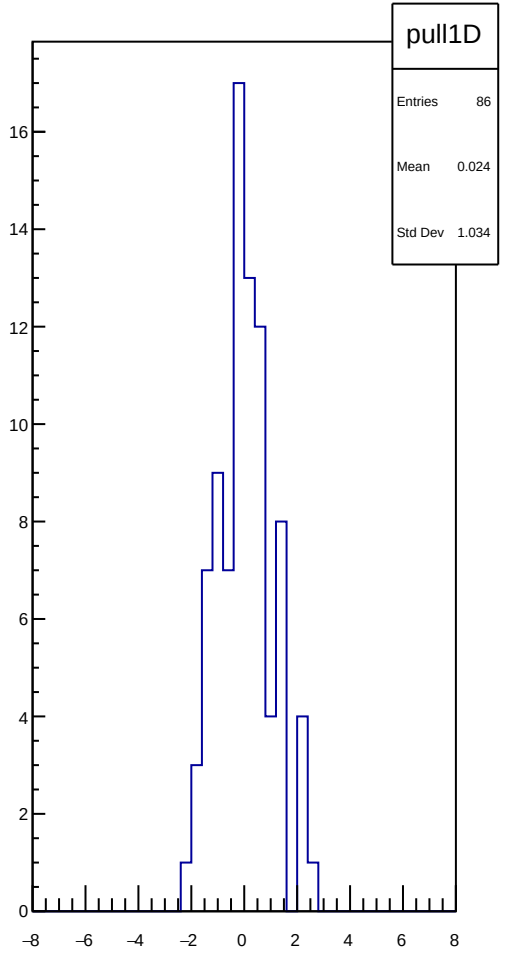
2
4
6
8


dit_asym_atr1l2_avg_rms vs run
χ^2 / ndf 108 / 85
p0 1912 ± 1.486
1960
1940
1920
1900
1880
1860


asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 91.98 / 85
p0 −2636 ± 7363
300
200
100
0
−100
−200
pull
Entries 86
Mean 124
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.024
Std Dev 1.034
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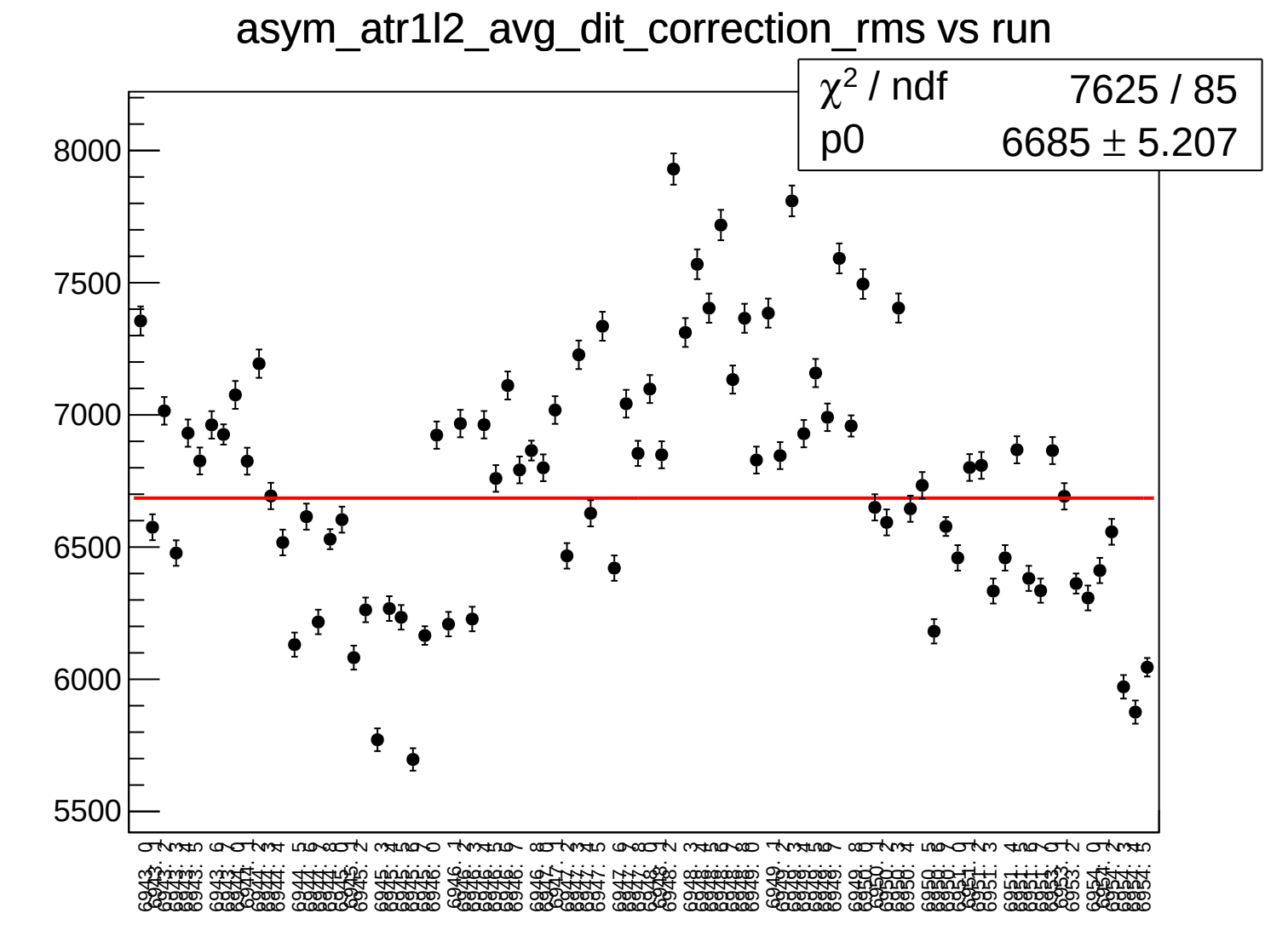
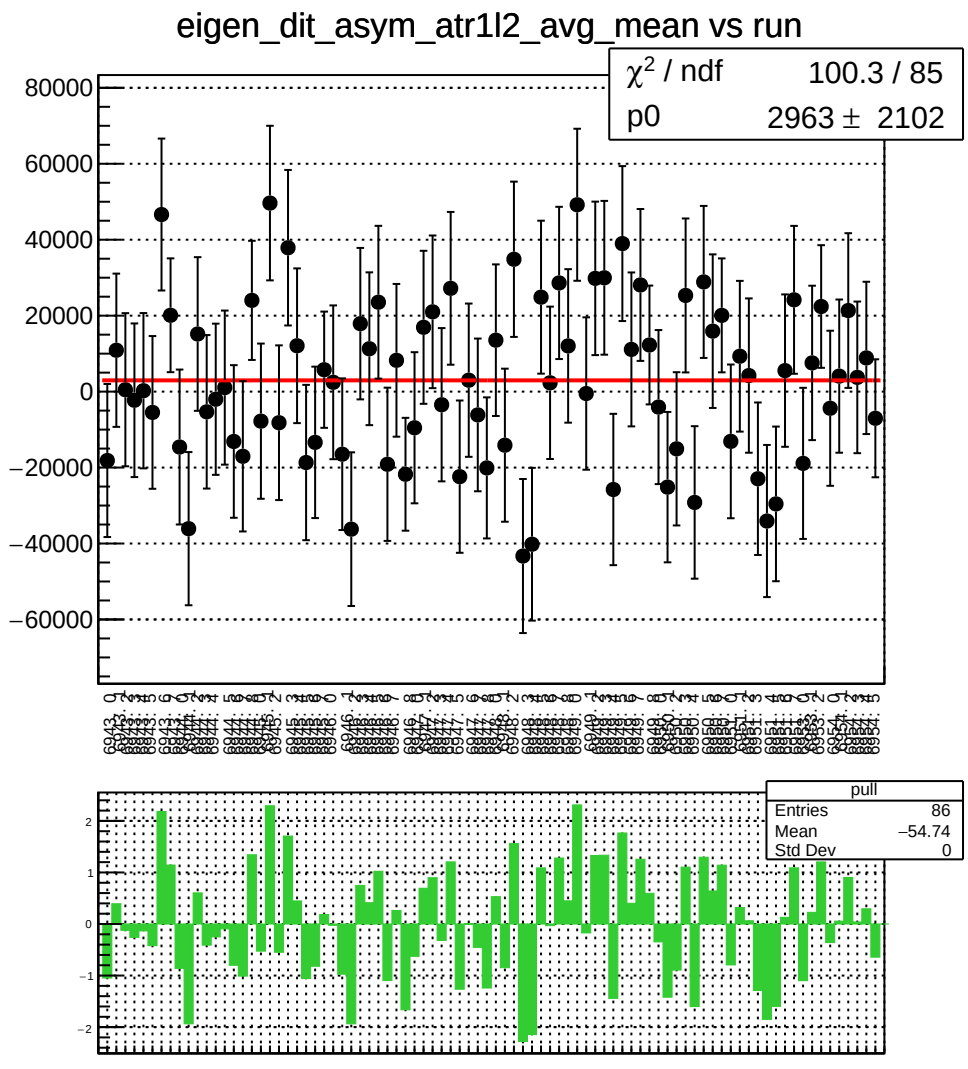
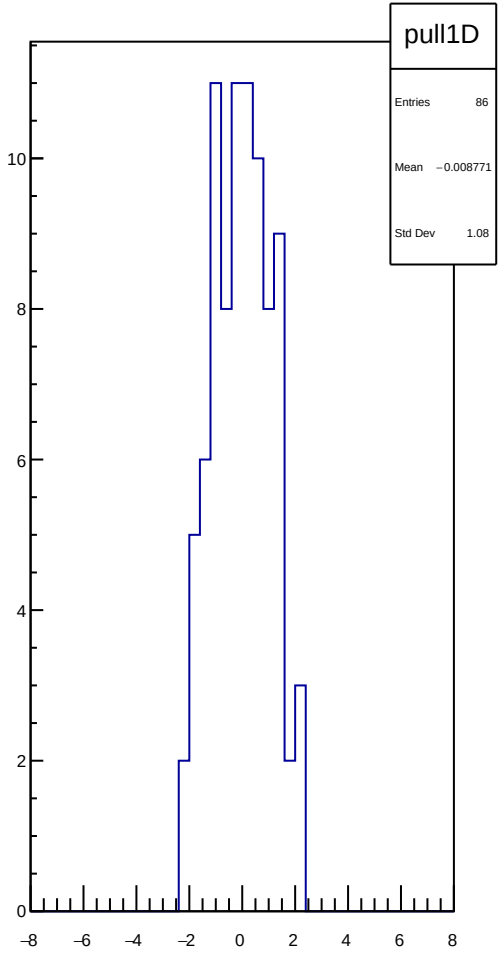
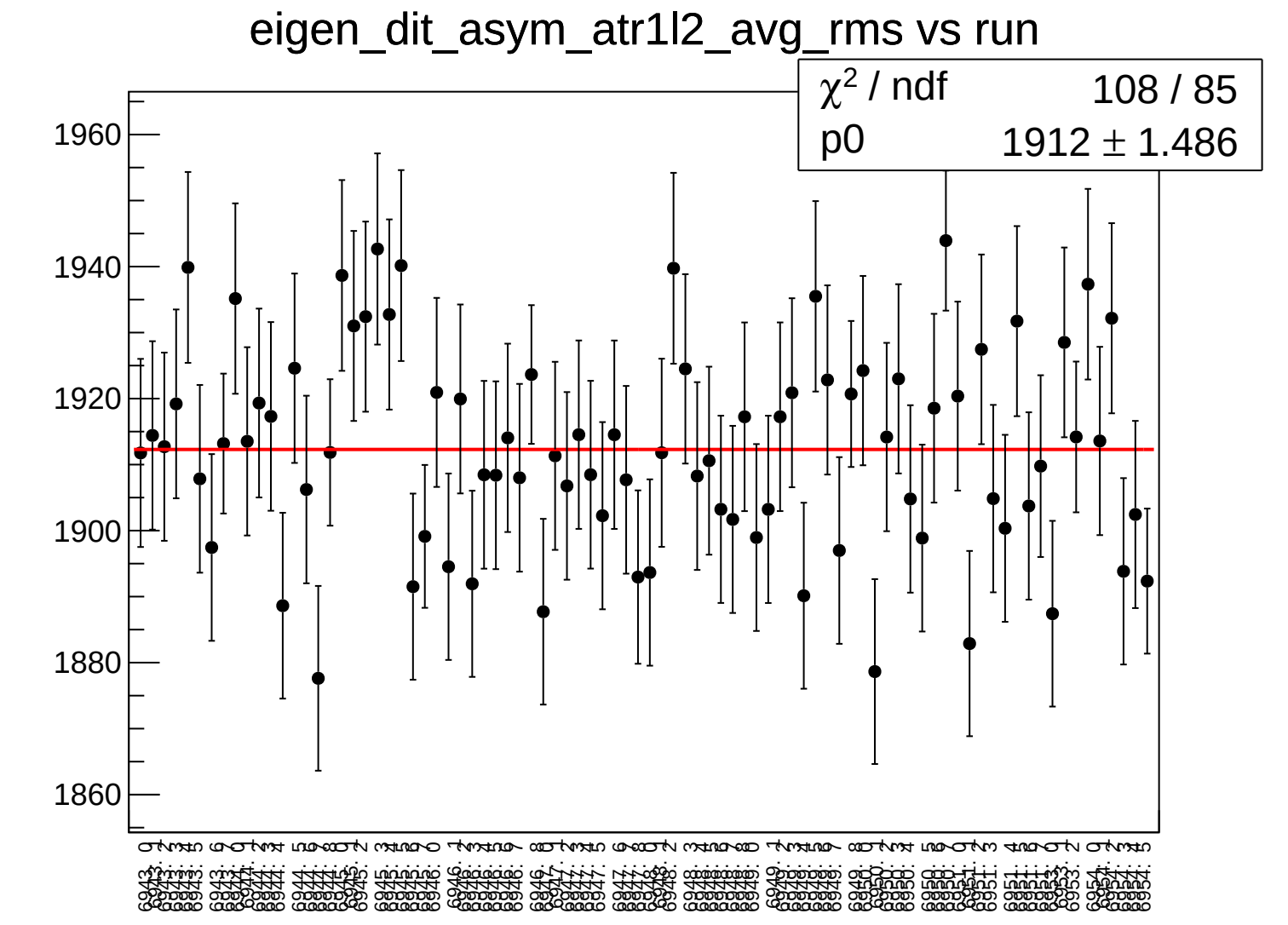
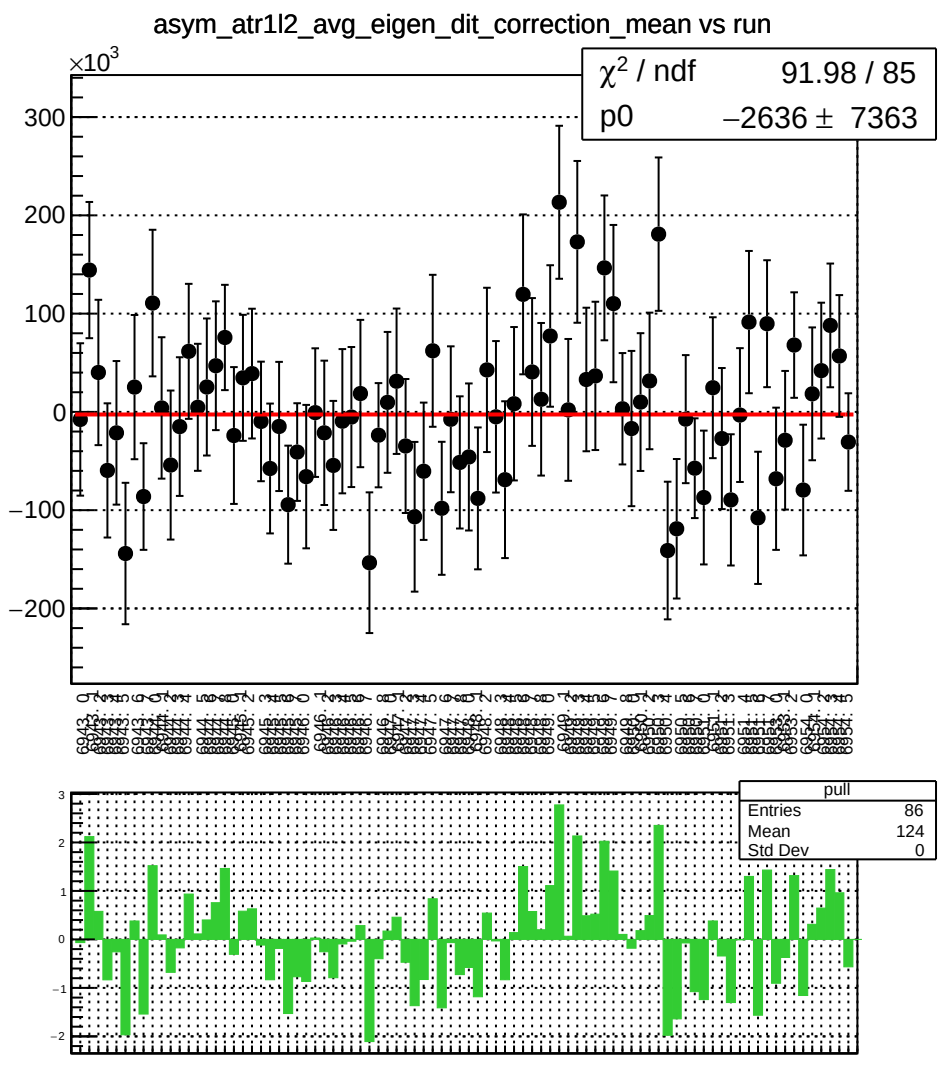
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

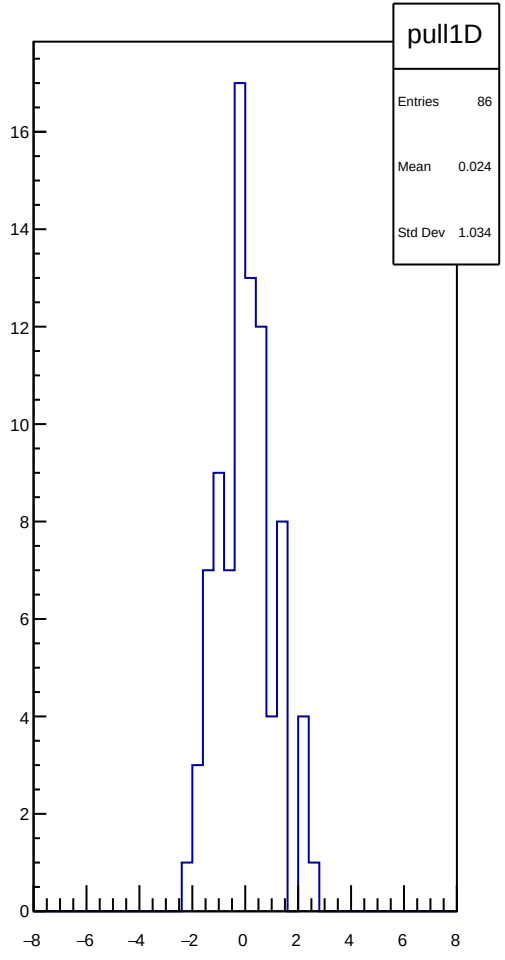

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 7625 / 85
p0 6685 ± 5.207
8000
7500
7000
6500
6000
5500

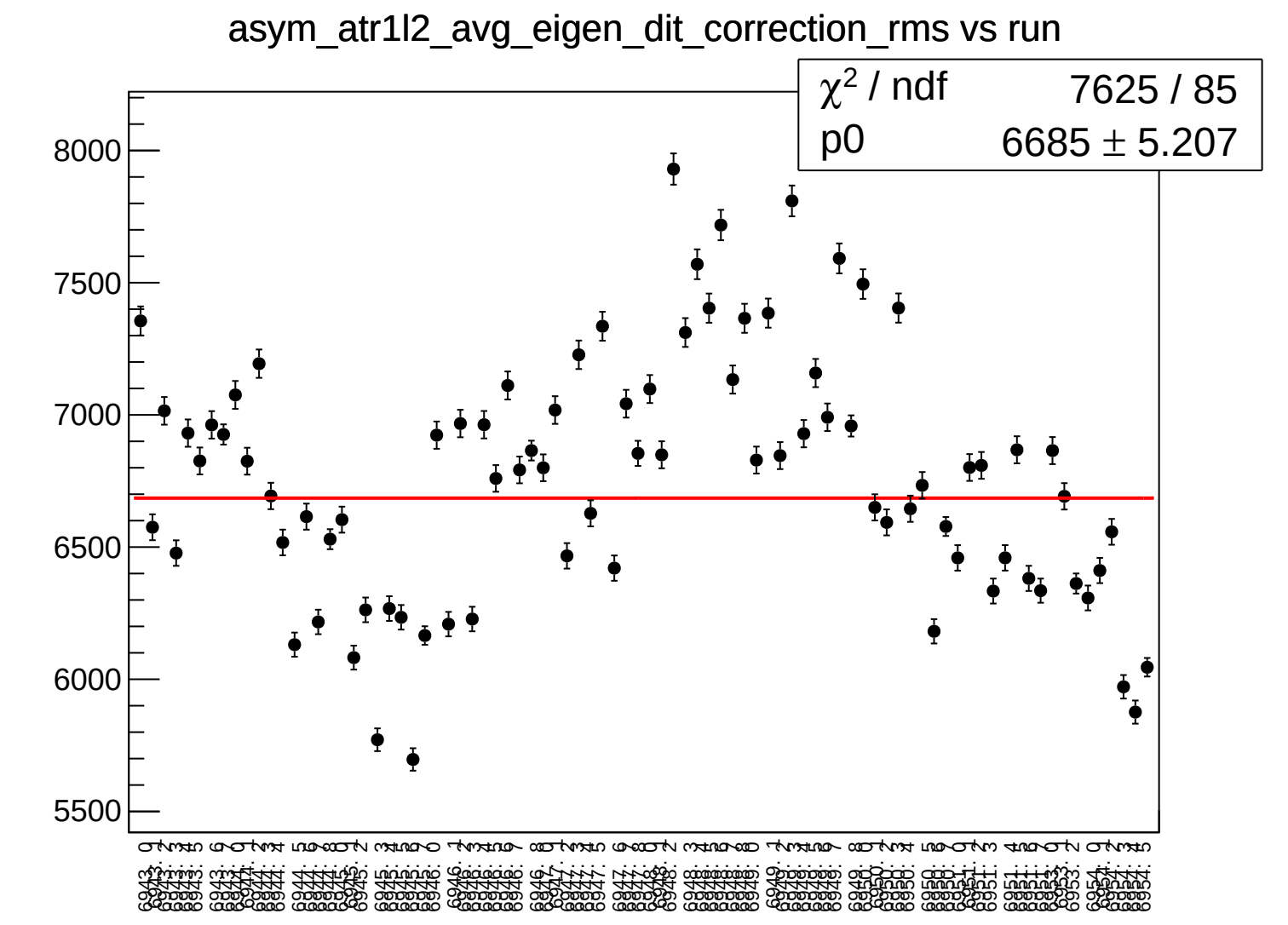

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 100.3 / 85
p0 2963 ± 2102
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −54.74
Std Dev 0
2
1
0
−1
−2

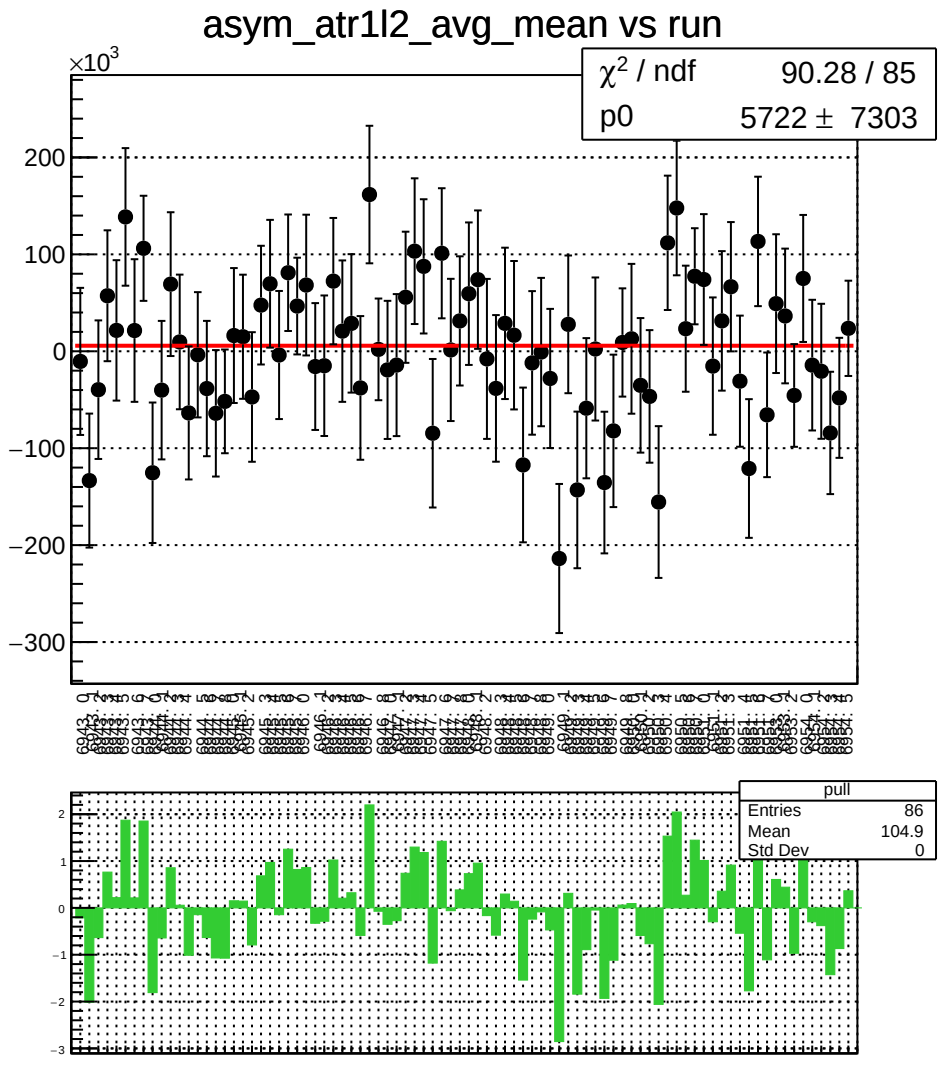

pull1D
Entries 86
Mean −0.008771
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

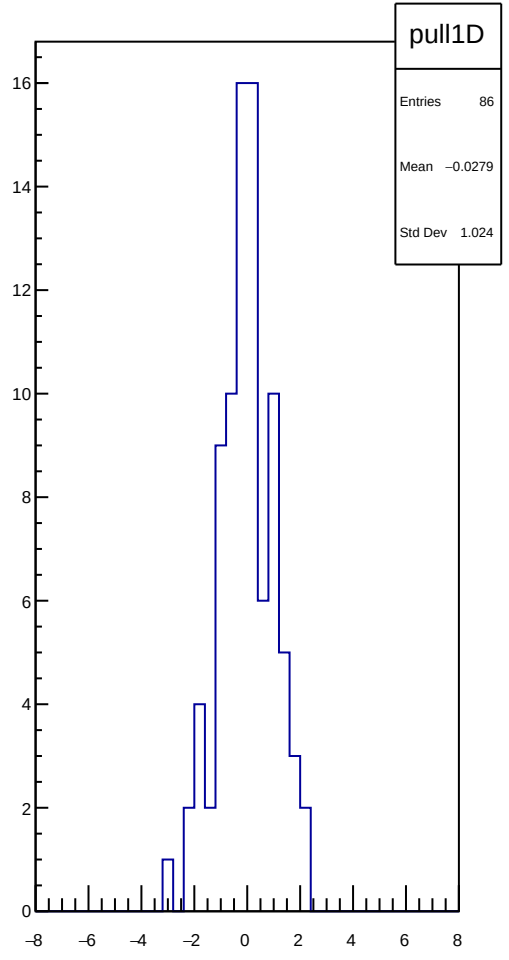

eigen_dit_asym_atr1l2_avg_rms vs run
χ^2 / ndf 108 / 85
p0 1912 ± 1.486
1960
1940
1920
1900
1880
1860


asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 91.98 / 85
p0 −2636 ± 7363
pull
Entries 86
Mean 124
Std Dev 0


pull1D
Entries 86
Mean 0.024
Std Dev 1.034


asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7625 / 85
p0 6685 ± 5.207
8000
7500
7000
6500
6000
5500


asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 90.28 / 85
p0 5722 ± 7303
200
100
0
−100
−200
−300
pull
Entries 86
Mean 104.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean −0.0279
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
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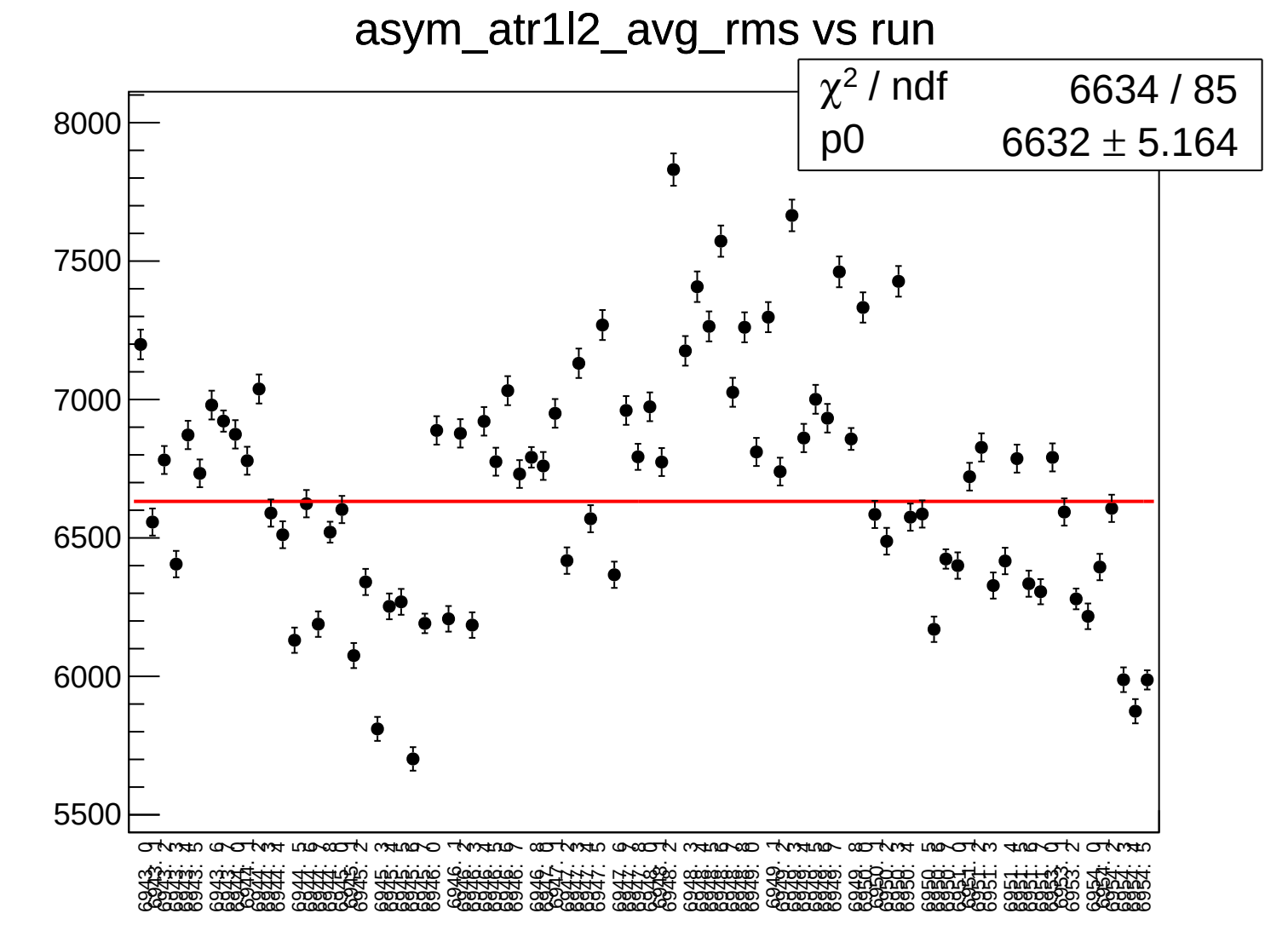
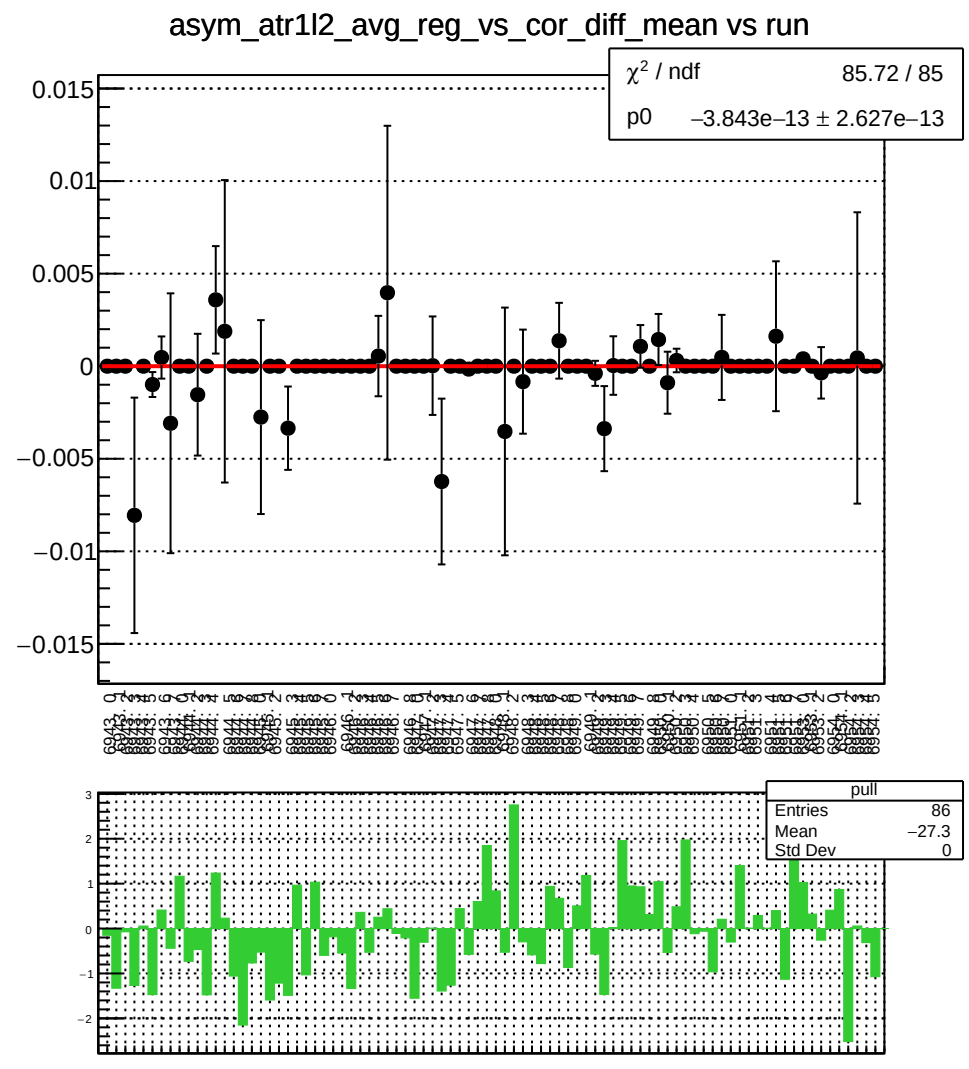
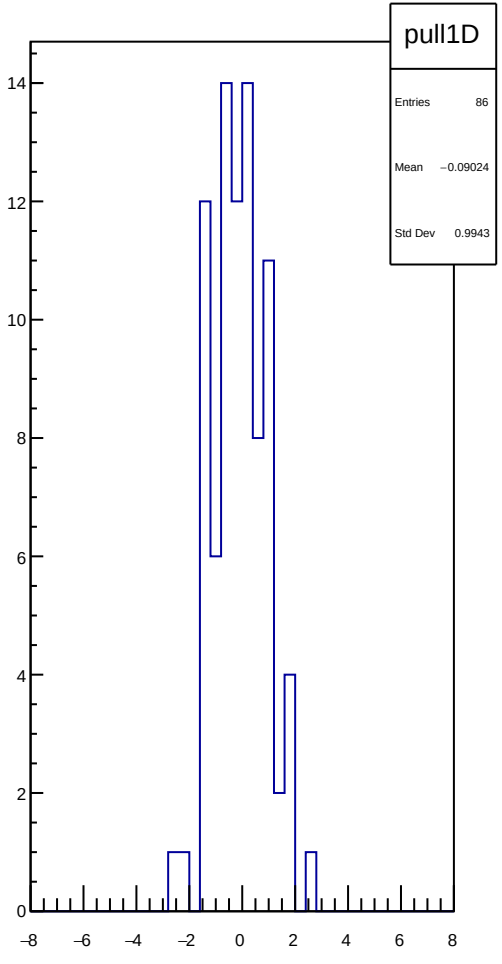
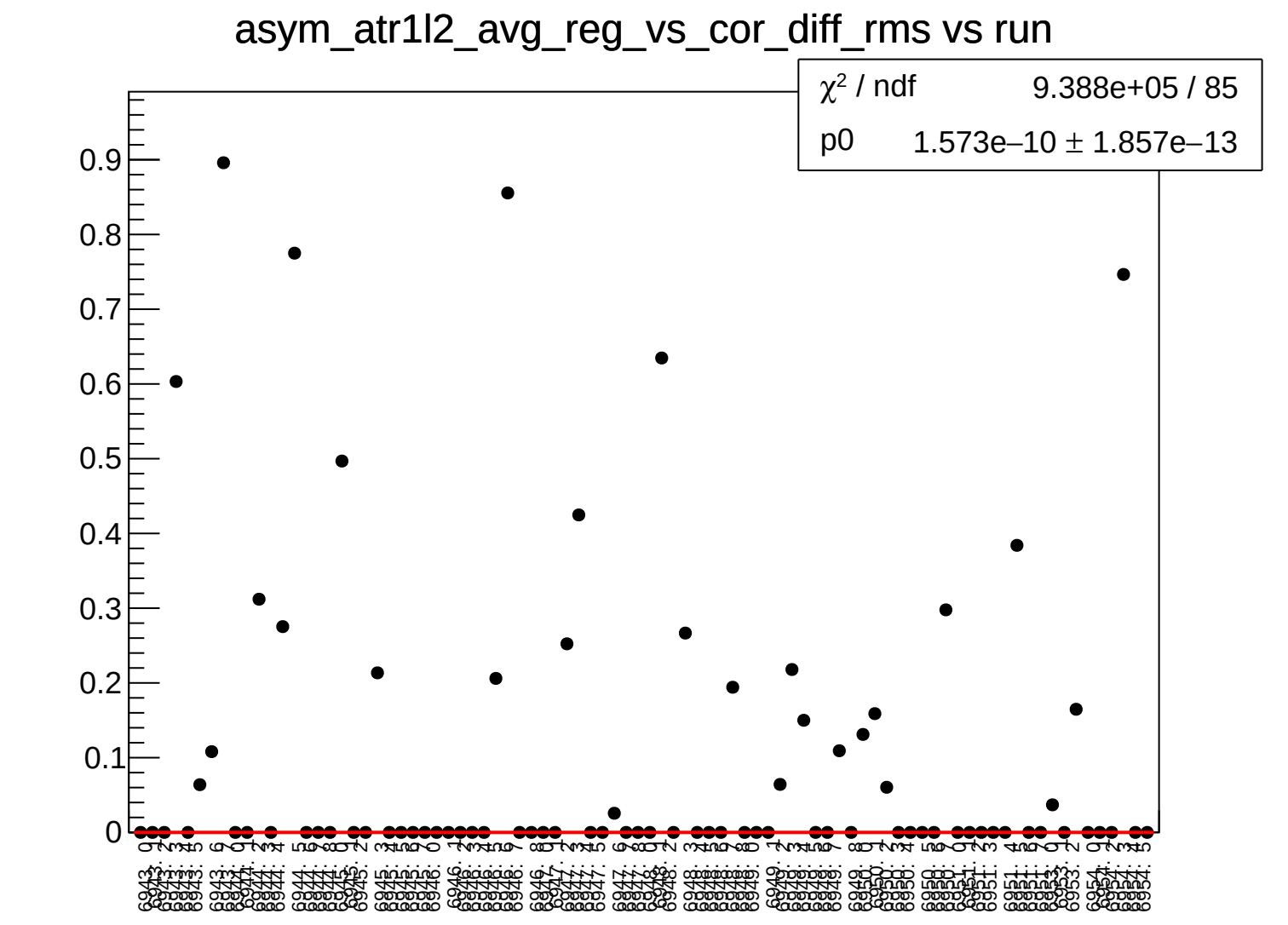
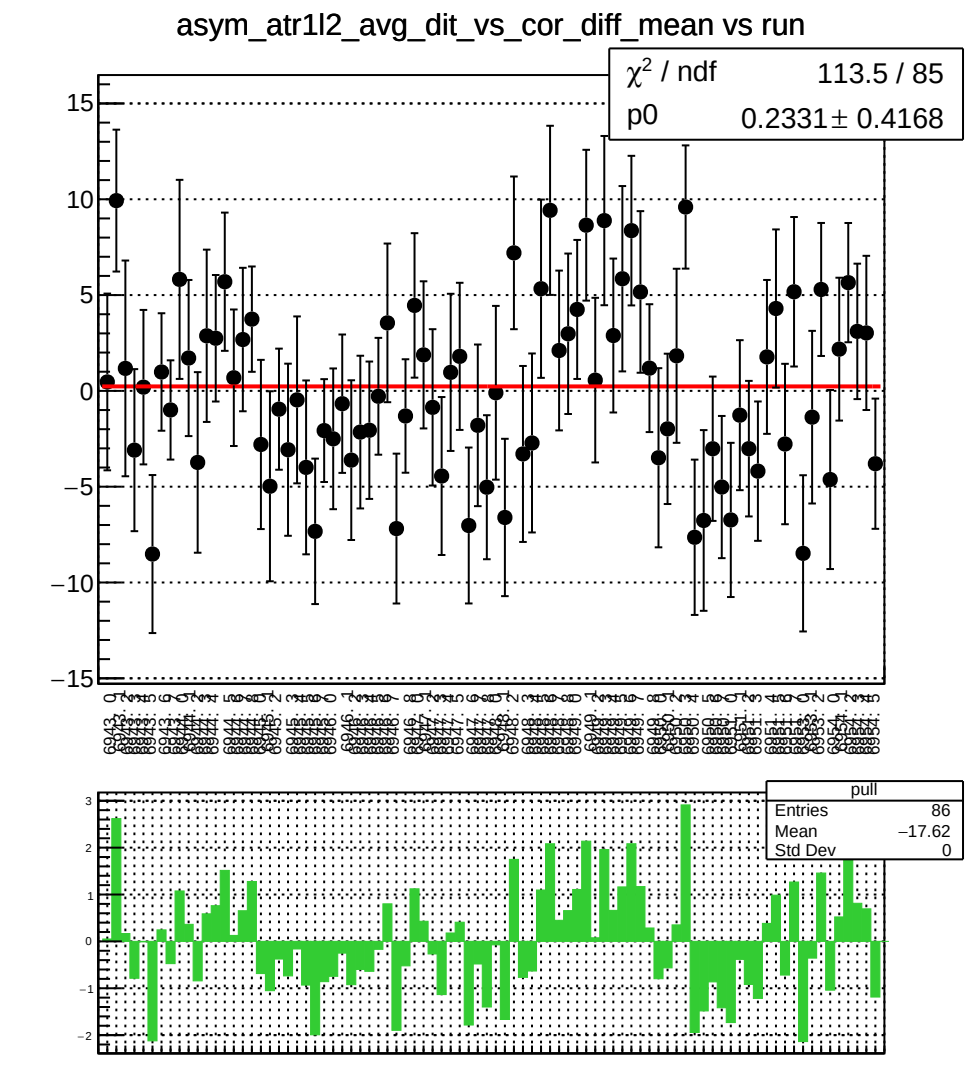
0
2
4
6
8

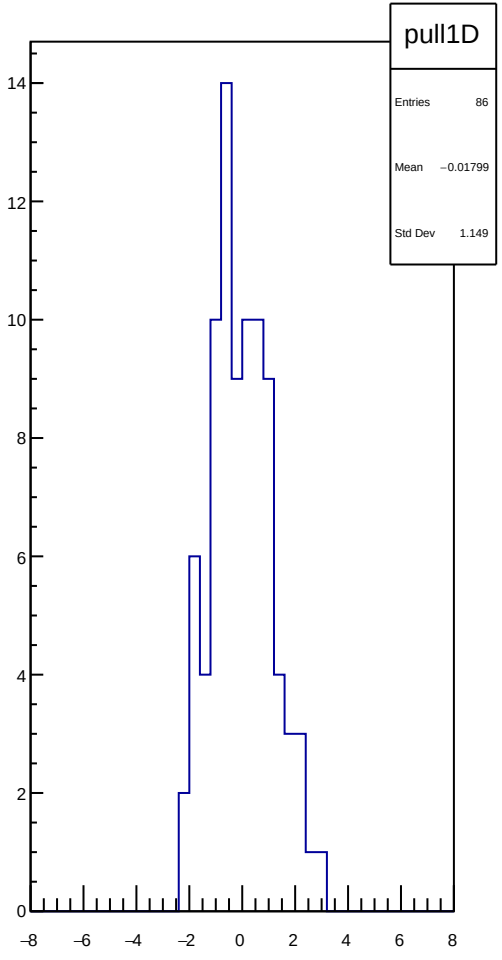

asym_atr1l2_avg_rms vs run
χ² / ndf 6634 / 85
p0 6632 ± 5.164
8000
7500
7000
6500
6000
5500

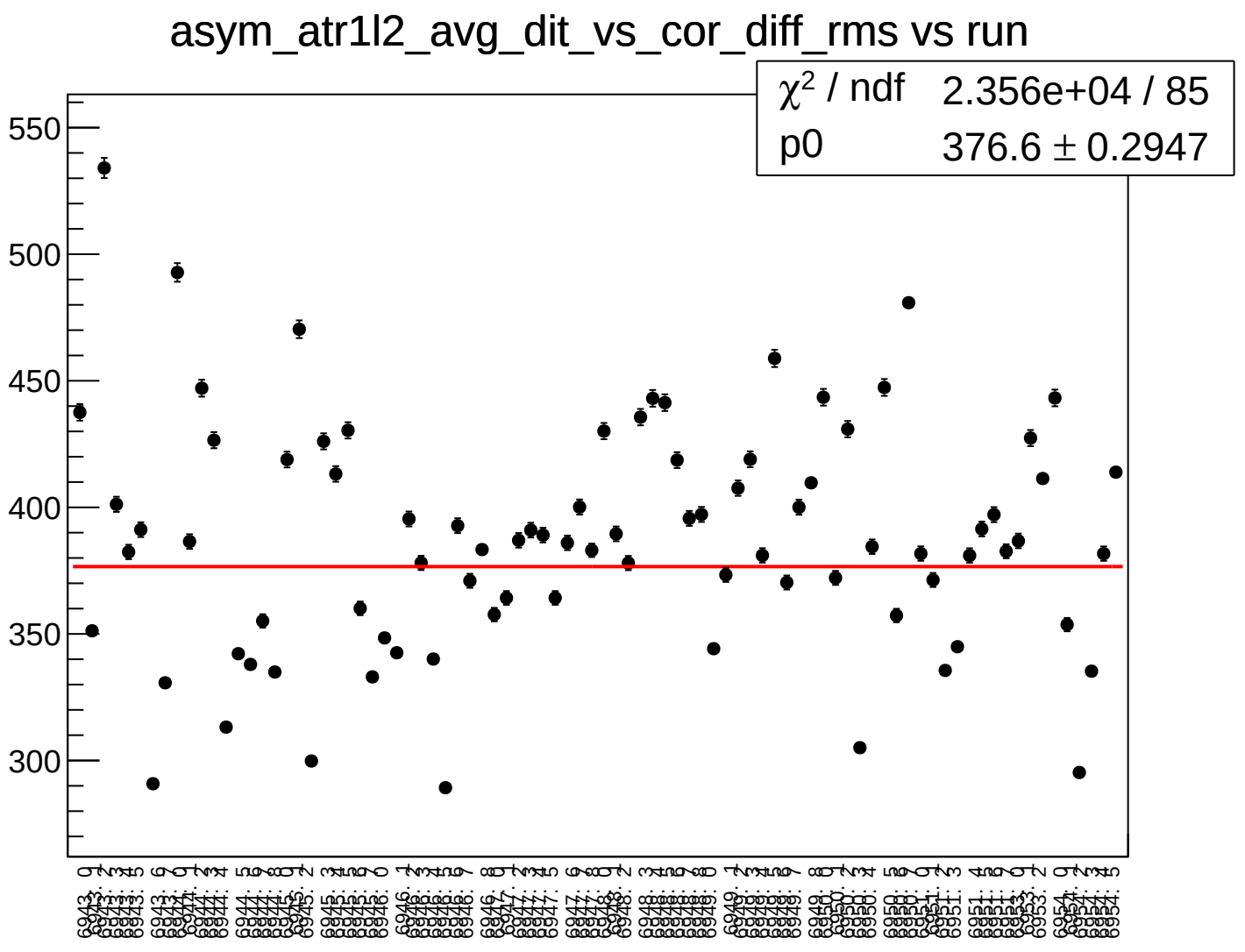

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 85.72 / 85
p0 −3.843e−13 ± 2.627e−13
pull
Entries 86
Mean −27.3
Std Dev 0

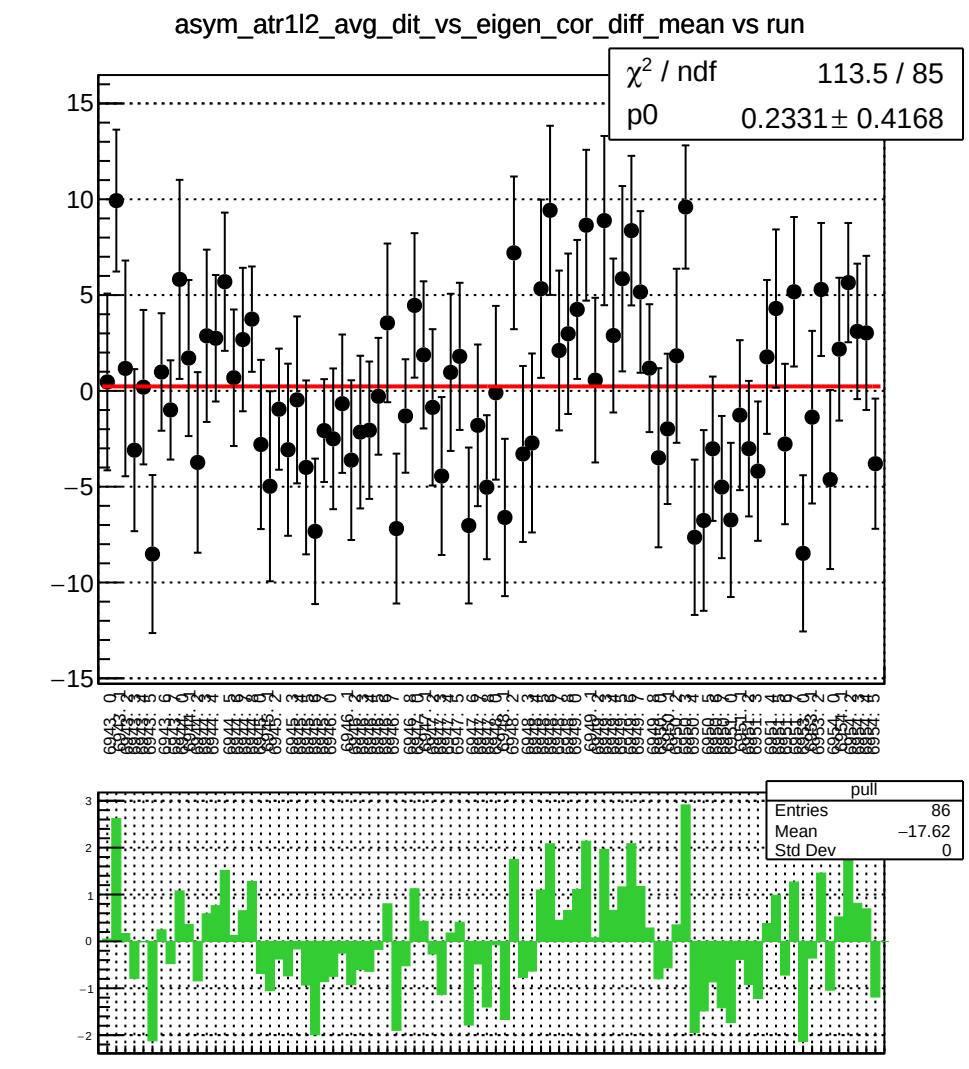

pull1D
Entries 86
Mean −0.09024
Std Dev 0.9943

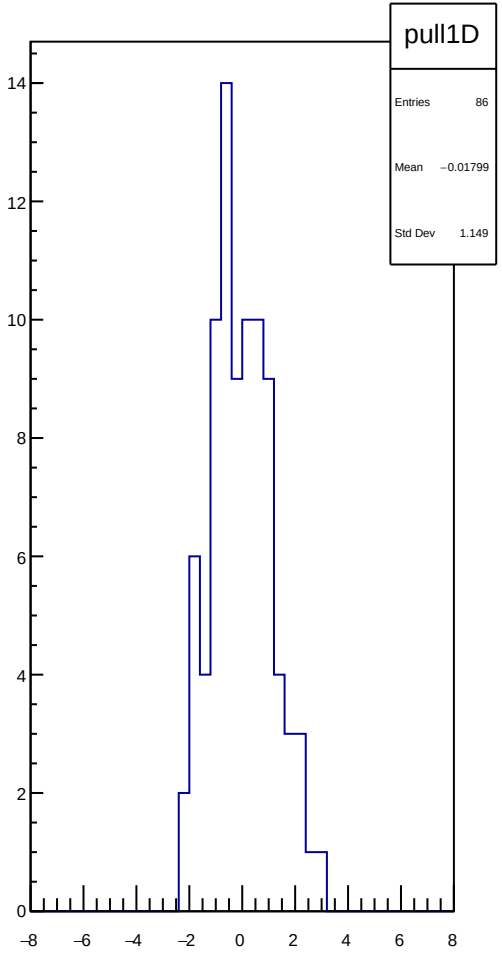

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.388e+05 / 85
p0 1.573e−10 ± 1.857e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9

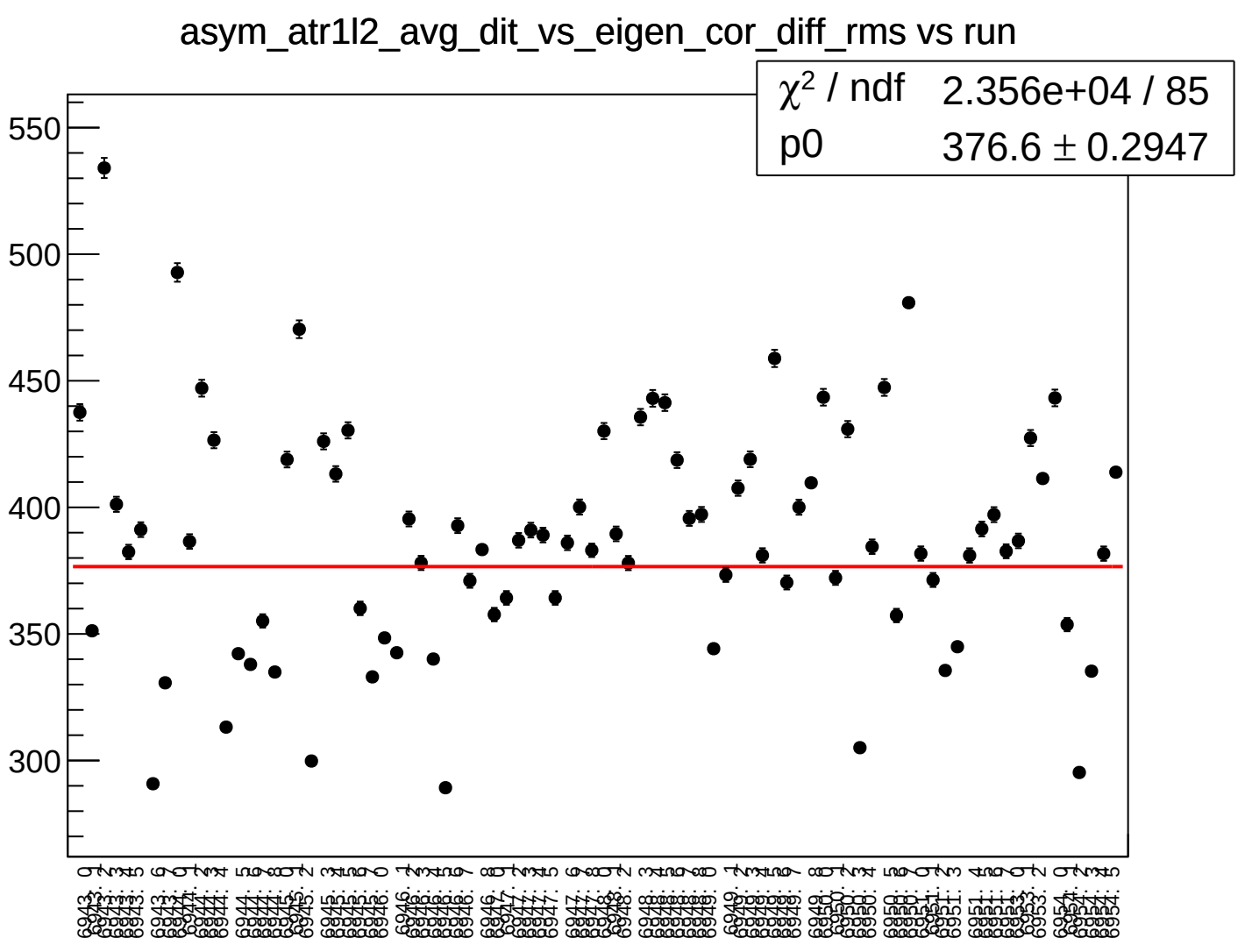

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 0.2331 ± 0.4168
pull
Entries 86
Mean −17.62
Std Dev 0

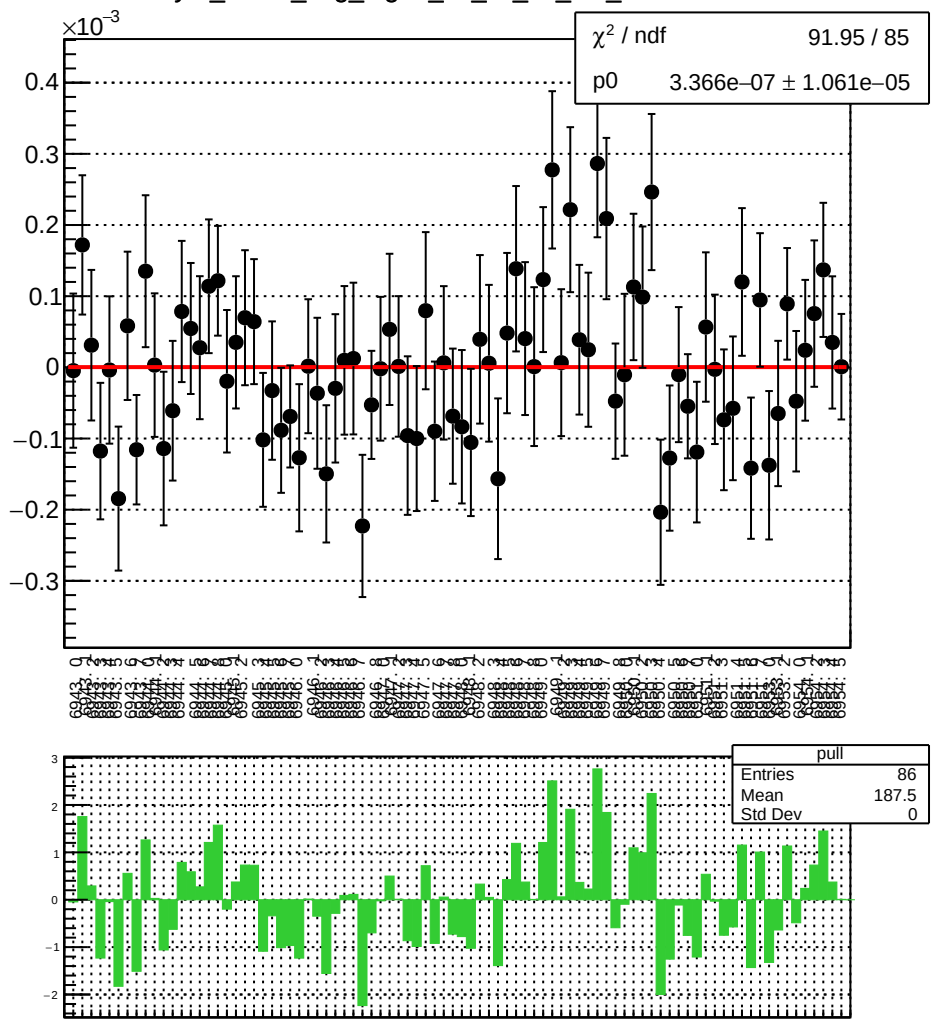

pull1D
Entries 86
Mean −0.01799
Std Dev 1.149

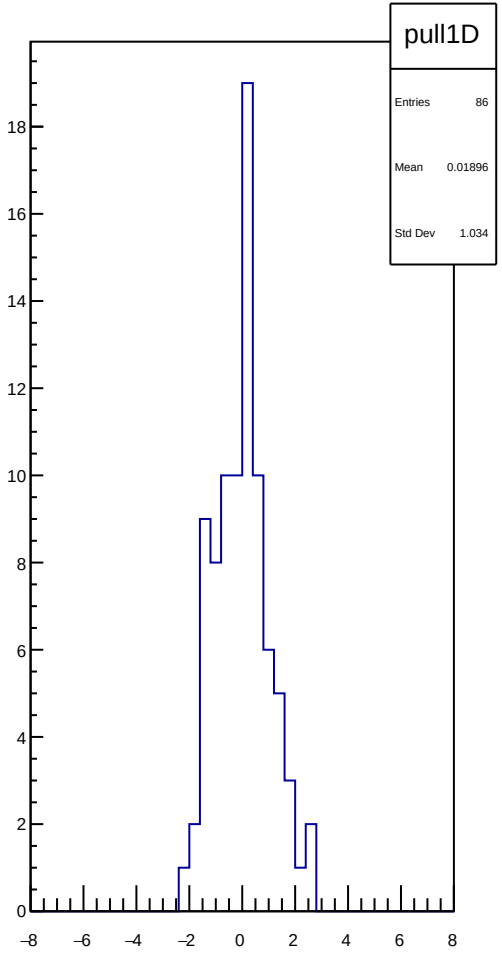

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.356e+04 / 85
p0 376.6 ± 0.2947
550
500
450
400
350
300

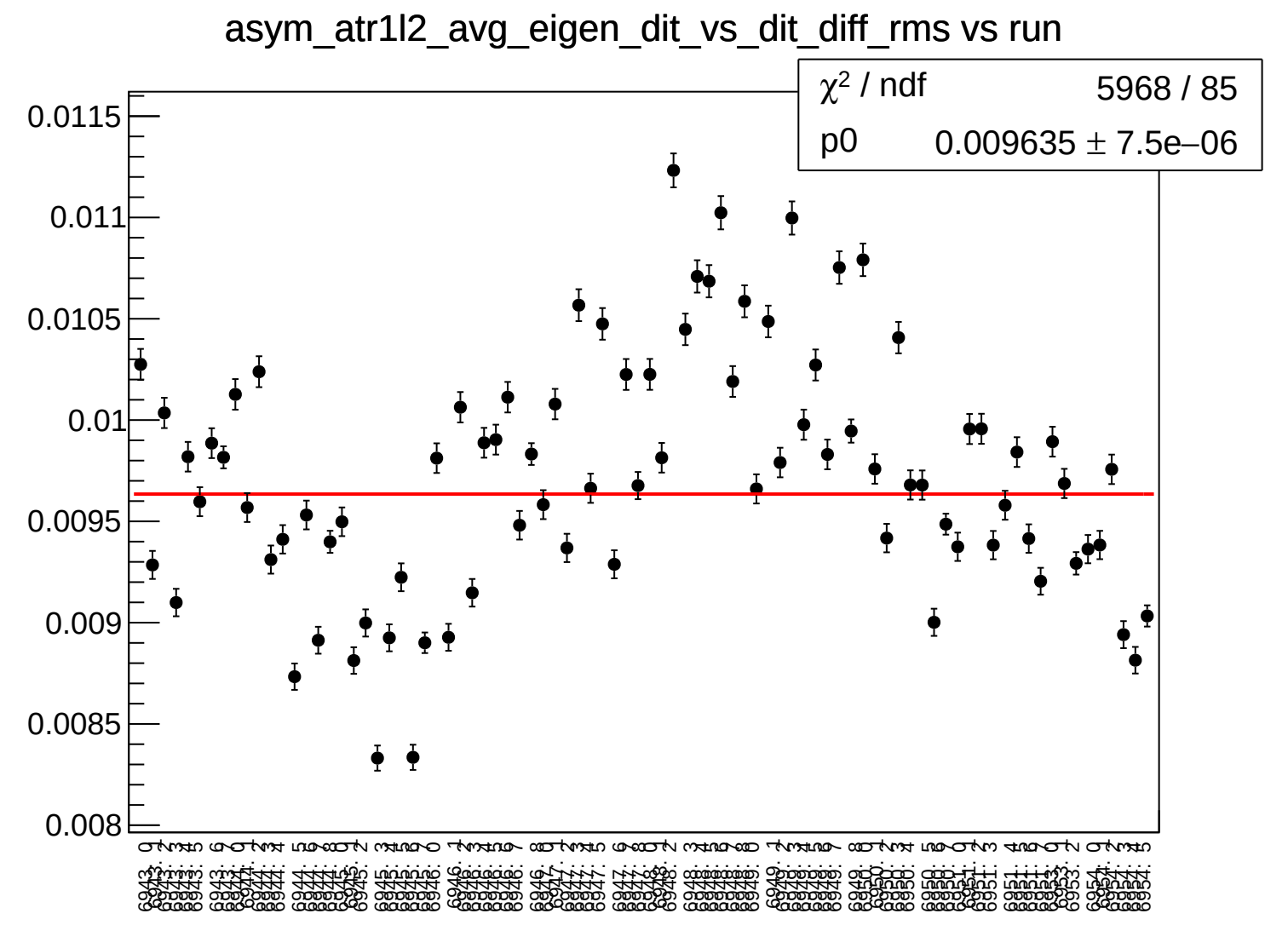

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 0.2331 ± 0.4168
pull
Entries 86
Mean −17.62
Std Dev 0

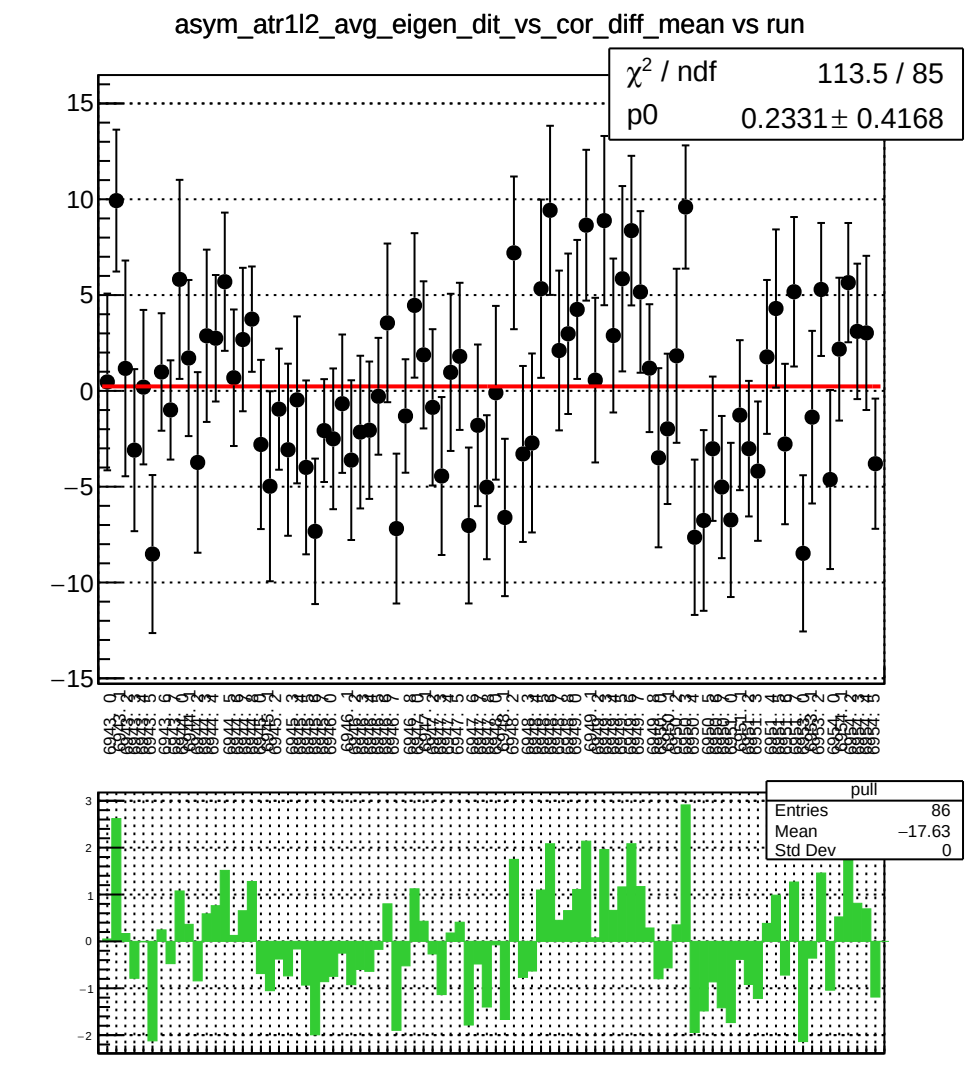

pull1D
Entries 86
Mean −0.01799
Std Dev 1.149

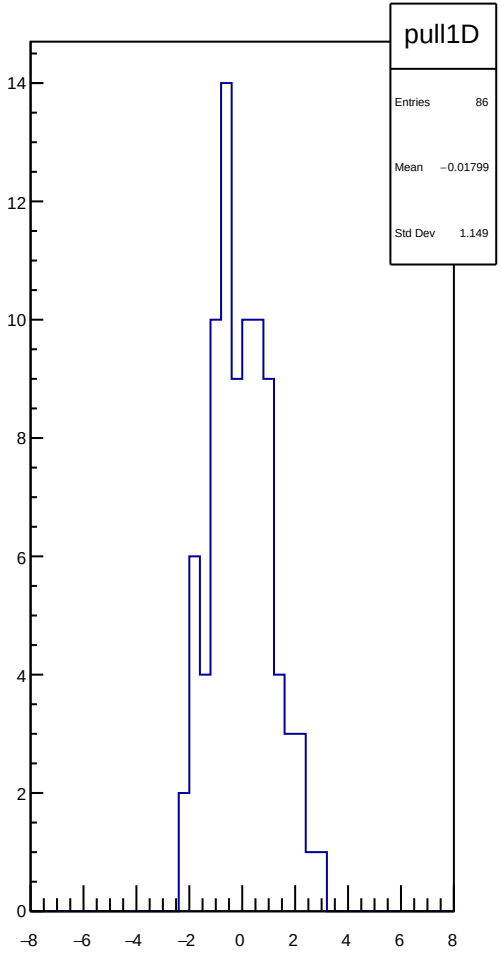

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.356e+04 / 85
p0 376.6 ± 0.2947
550
500
450
400
350
300

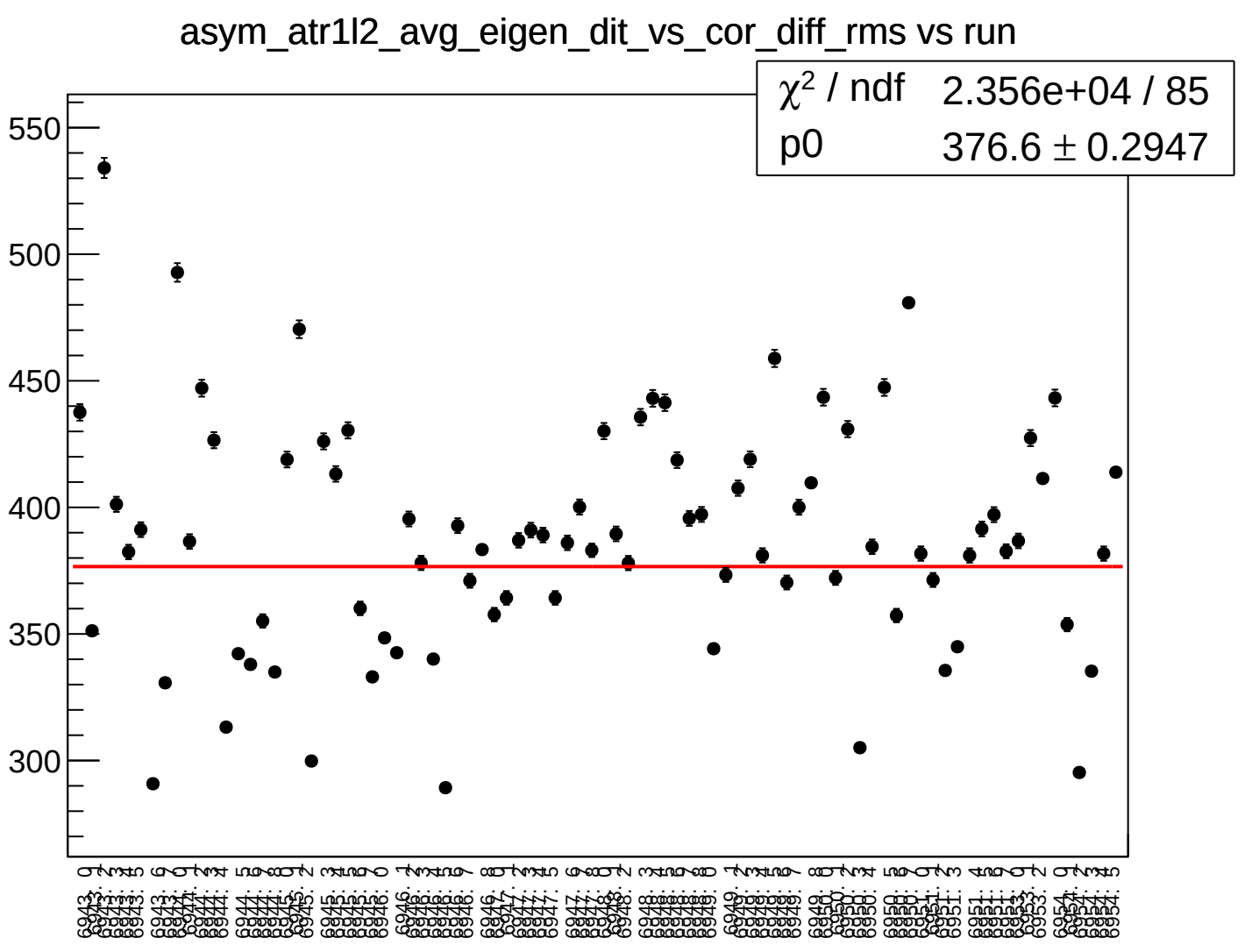

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.95 / 85
p0 3.366e−07 ± 1.061e−05
pull
Entries 86
Mean 187.5
Std Dev 0

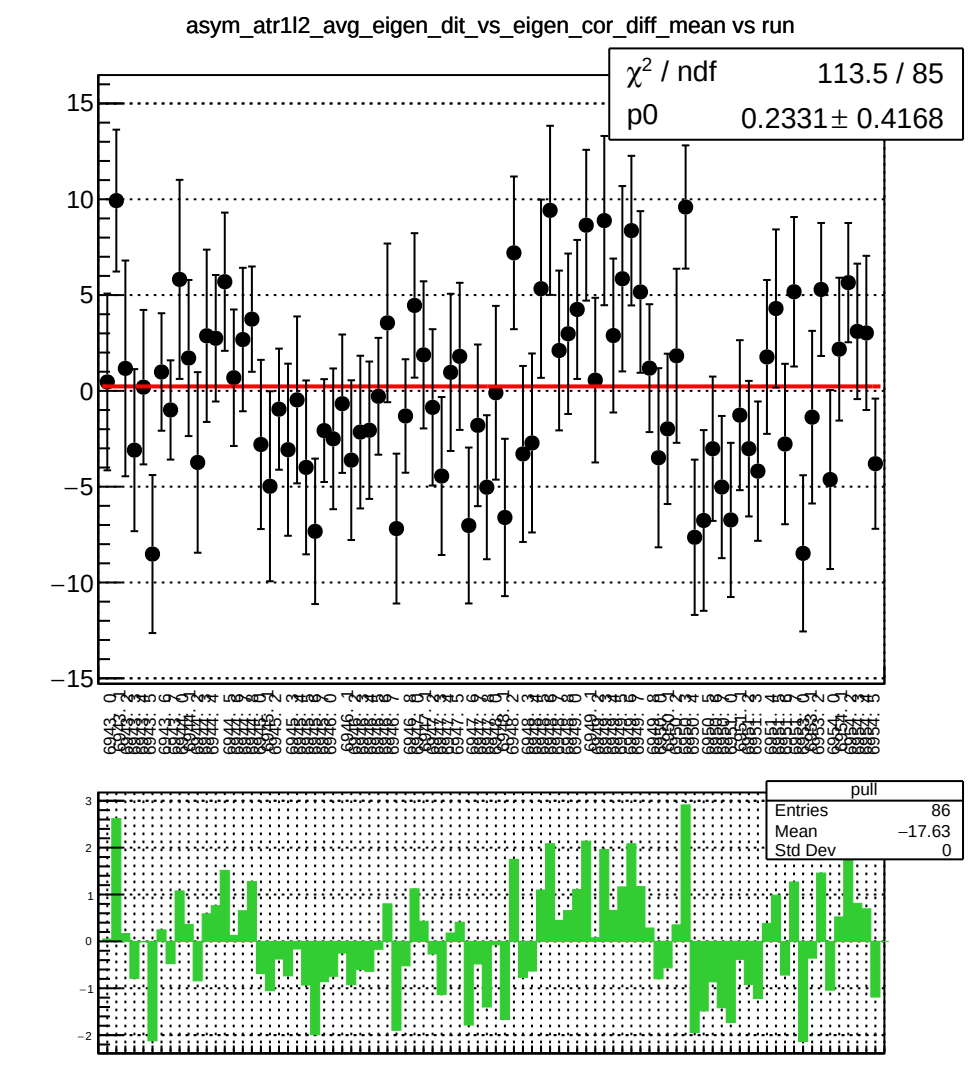

pull1D
Entries 86
Mean 0.01896
Std Dev 1.034

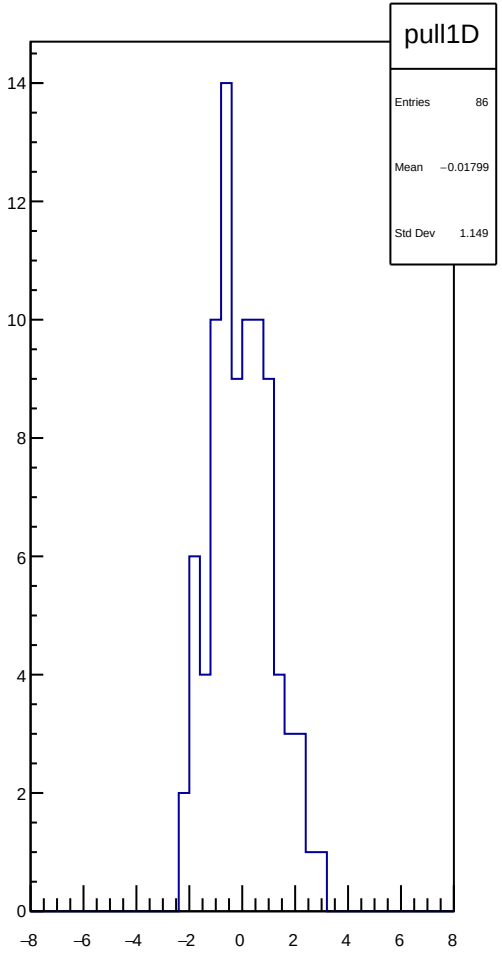

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5968 / 85
p0 0.009635 ± 7.5e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

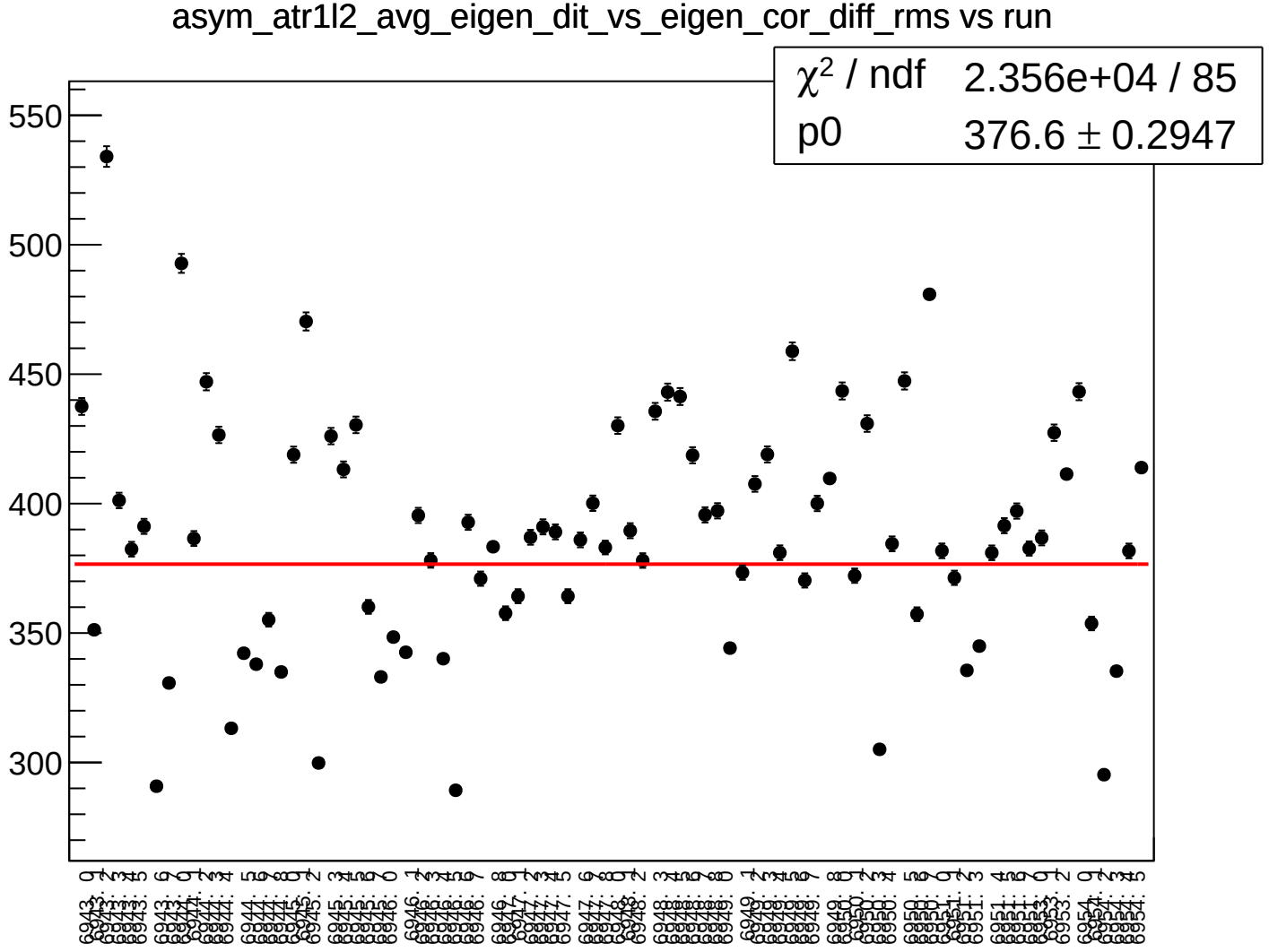

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 0.2331 ± 0.4168
pull
Entries 86
Mean −17.63
Std Dev 0

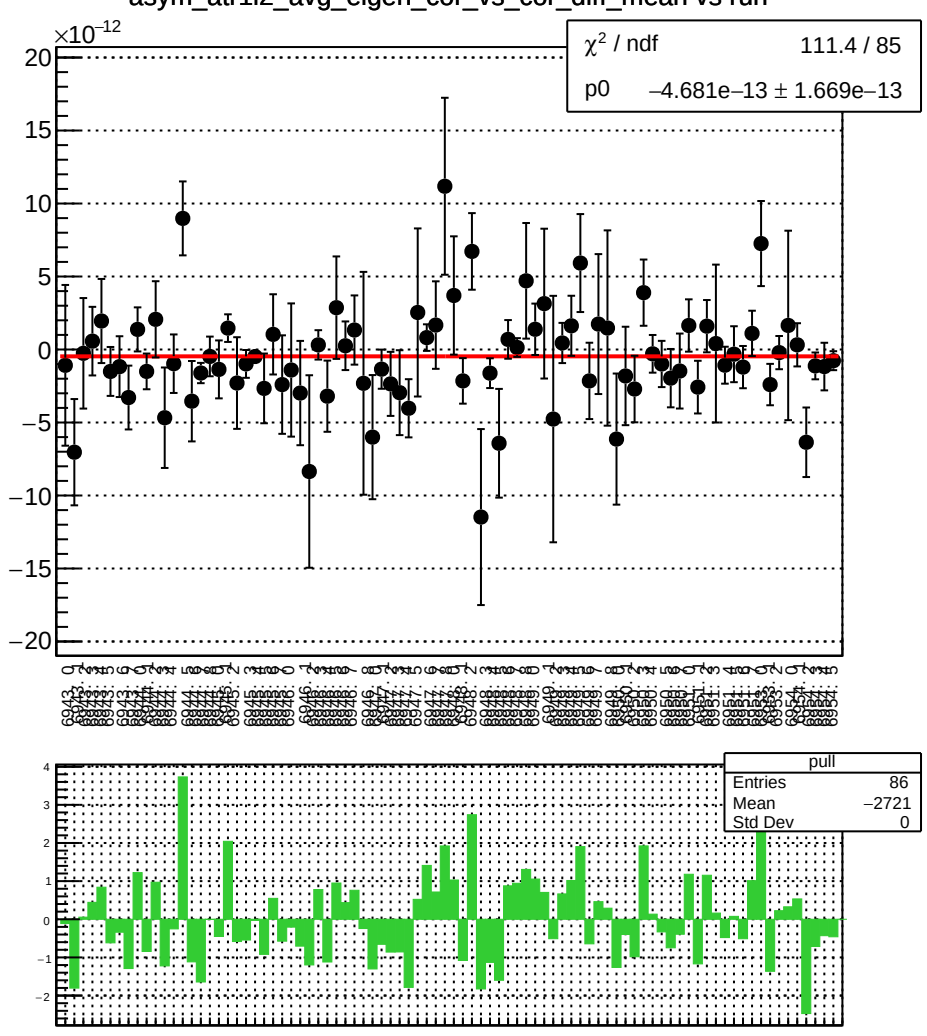

pull1D
Entries 86
Mean −0.01799
Std Dev 1.149

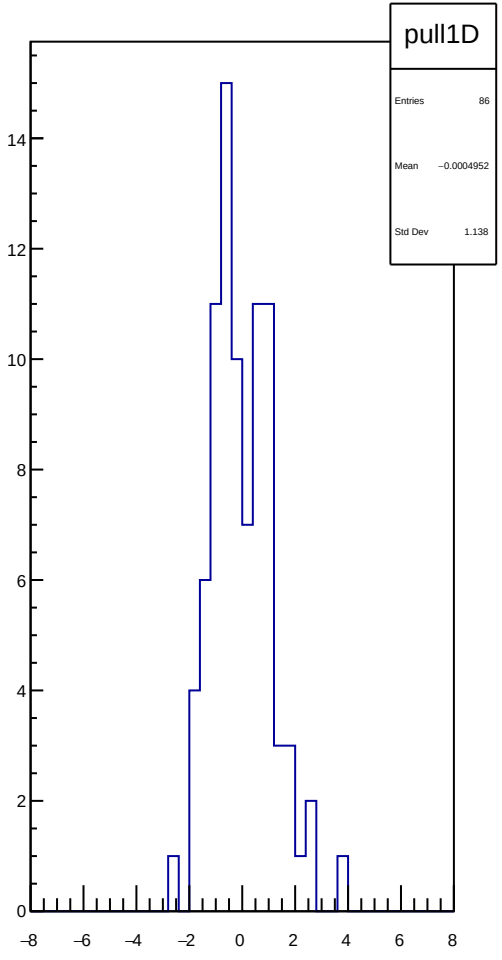

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.356e+04 / 85
p0 376.6 ± 0.2947
550
500
450
400
350
300

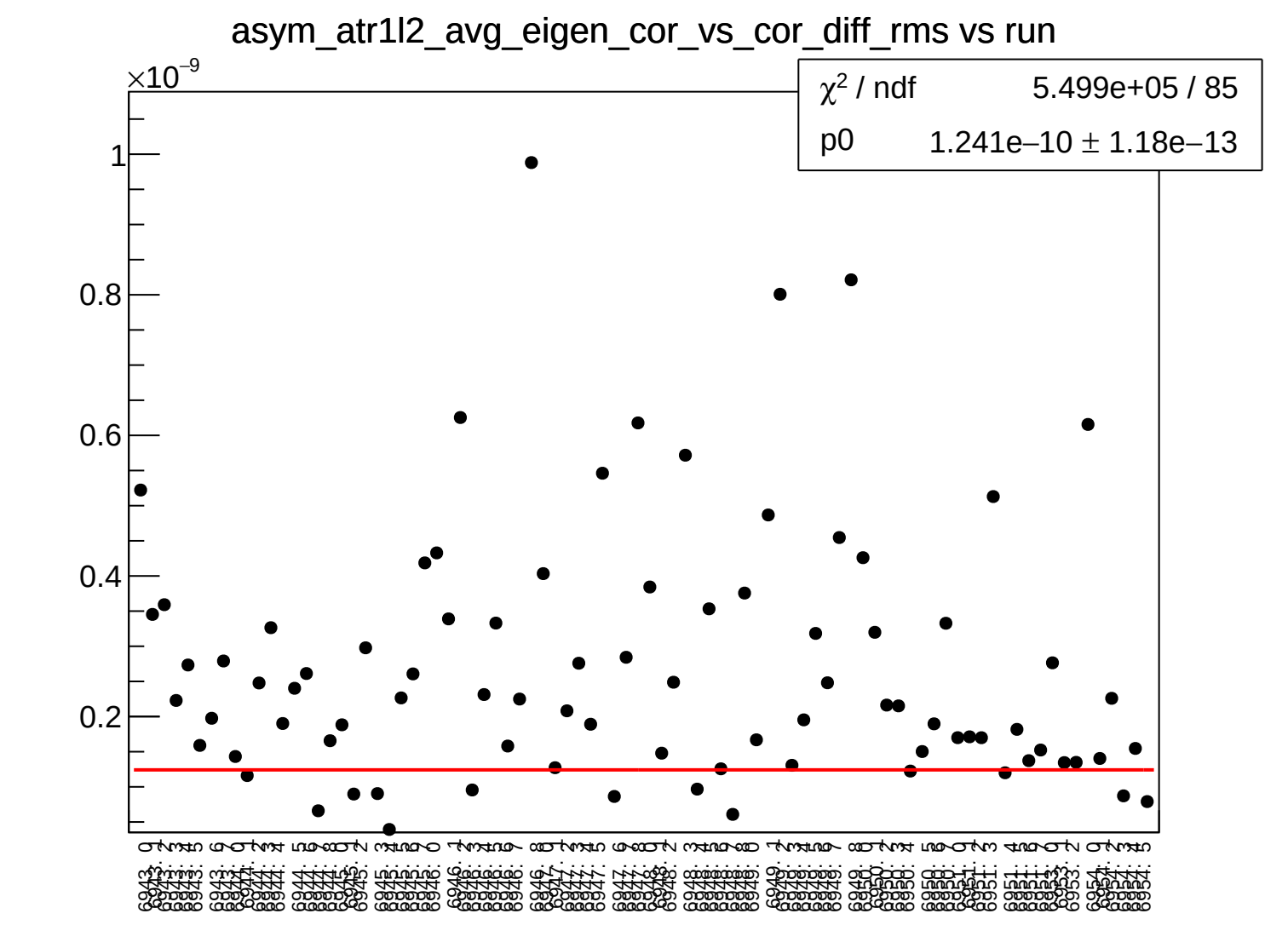

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 0.2331 ± 0.4168
pull
Entries 86
Mean −17.63
Std Dev 0

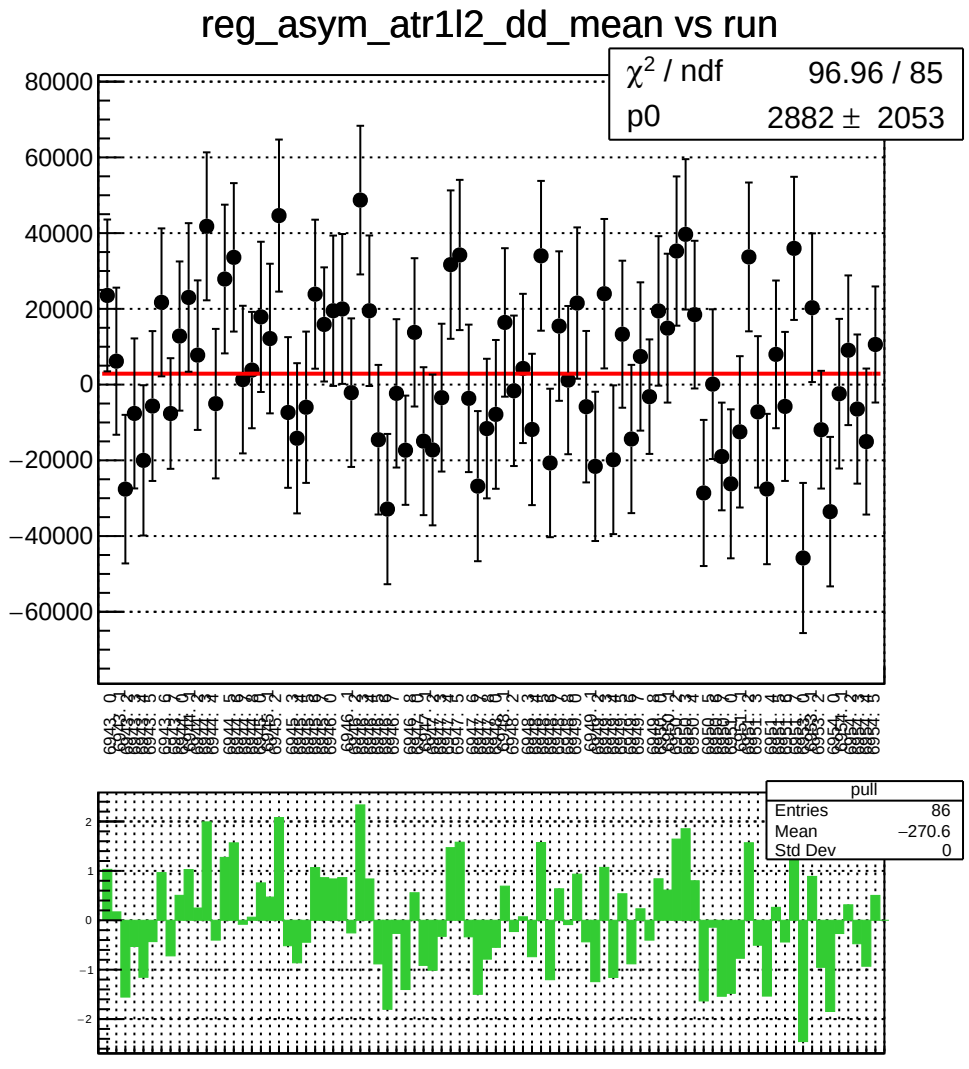

pull1D
Entries 86
Mean −0.01799
Std Dev 1.149

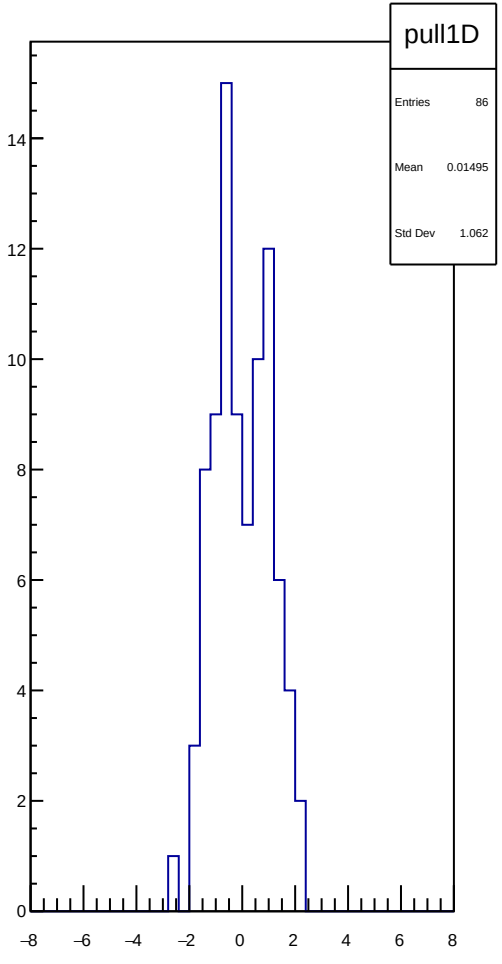

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.356e+04 / 85
p0 376.6 ± 0.2947
550
500
450
400
350
300

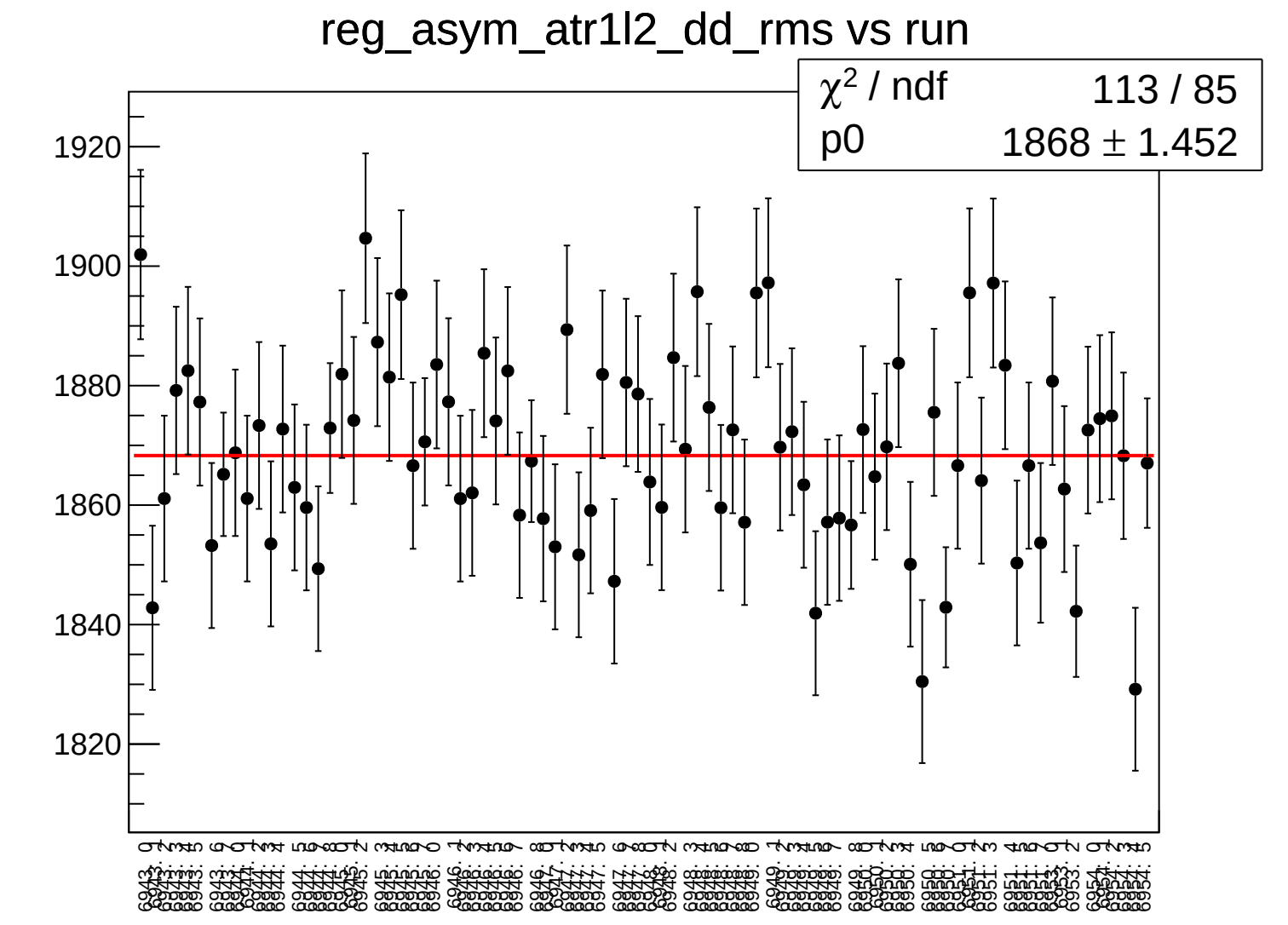

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.4 / 85
p0 −4.681e−13 ± 1.669e−13
pull
Entries 86
Mean −2721
Std Dev 0

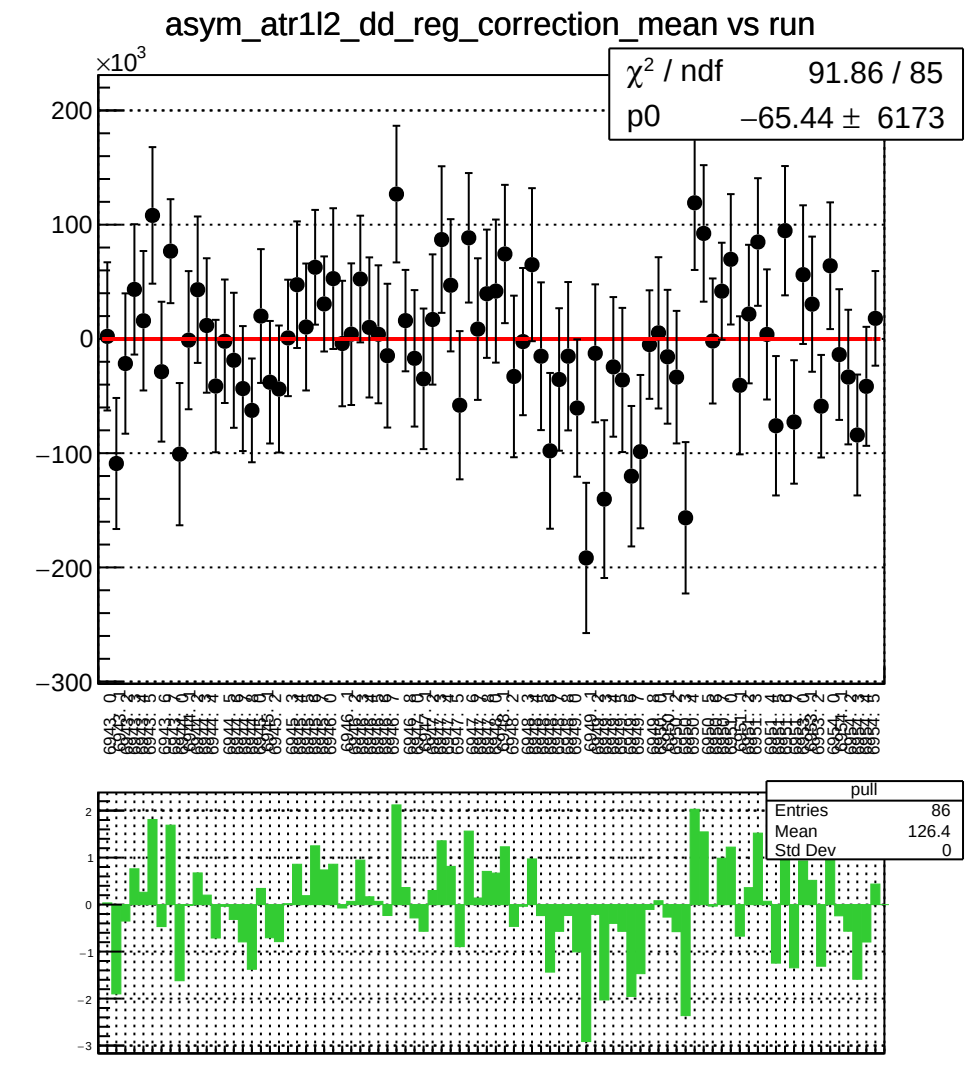

pull1D
Entries 86
Mean −0.0004952
Std Dev 1.138

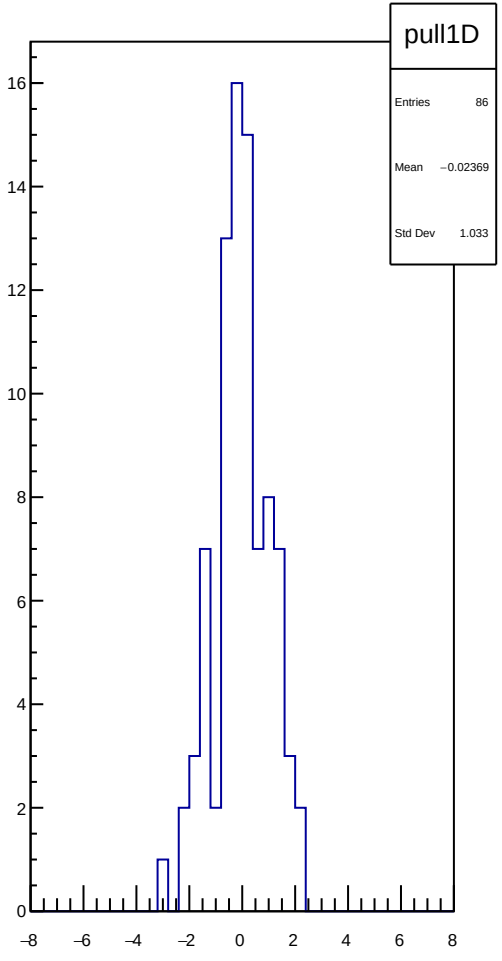

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.499e+05 / 85
p0 1.241e−10 ± 1.18e−13
1
0.8
0.6
0.4
0.2

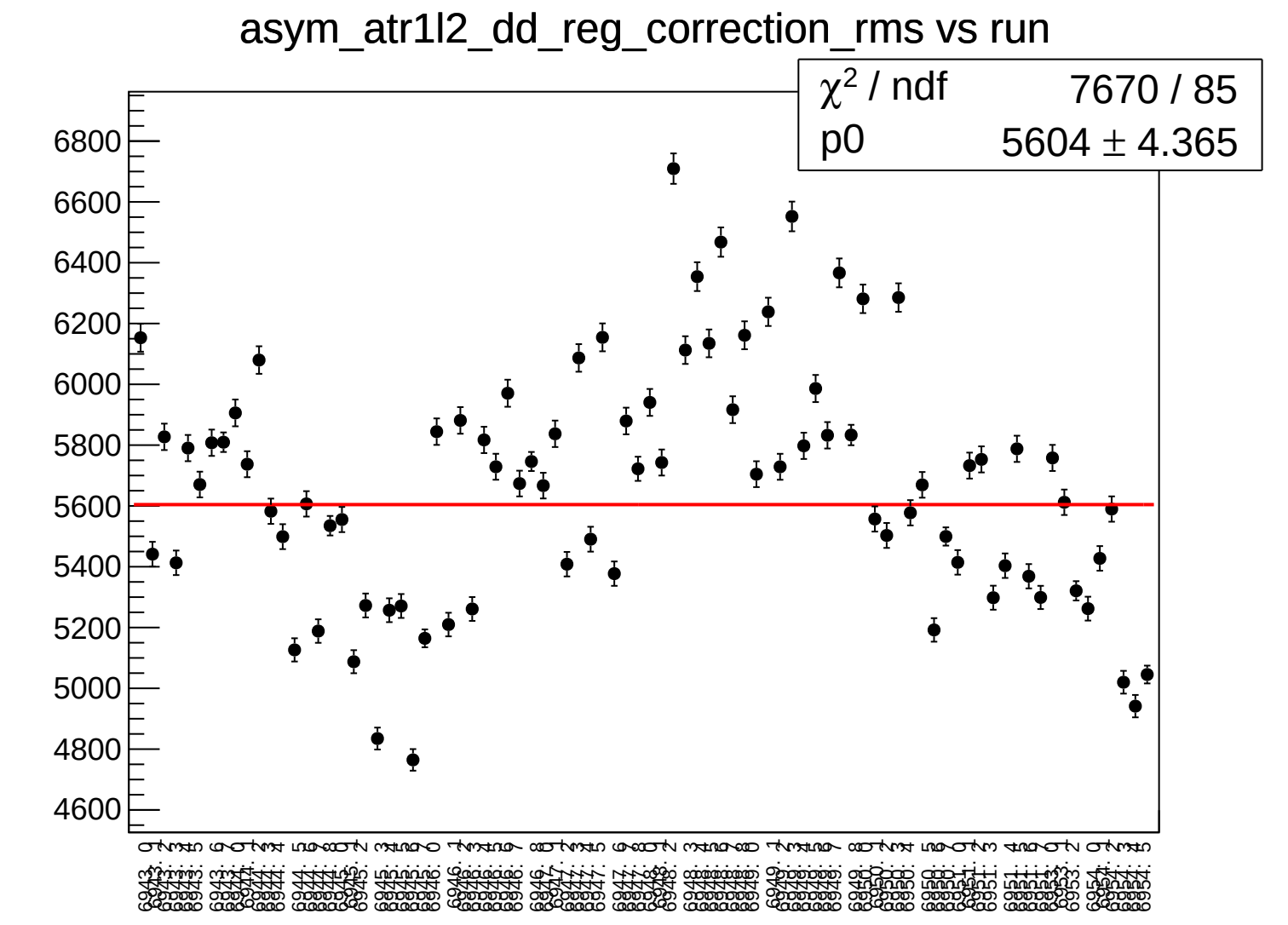

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 96.96 / 85
p0 2882 ± 2053
pull
Entries 86
Mean −270.6
Std Dev 0

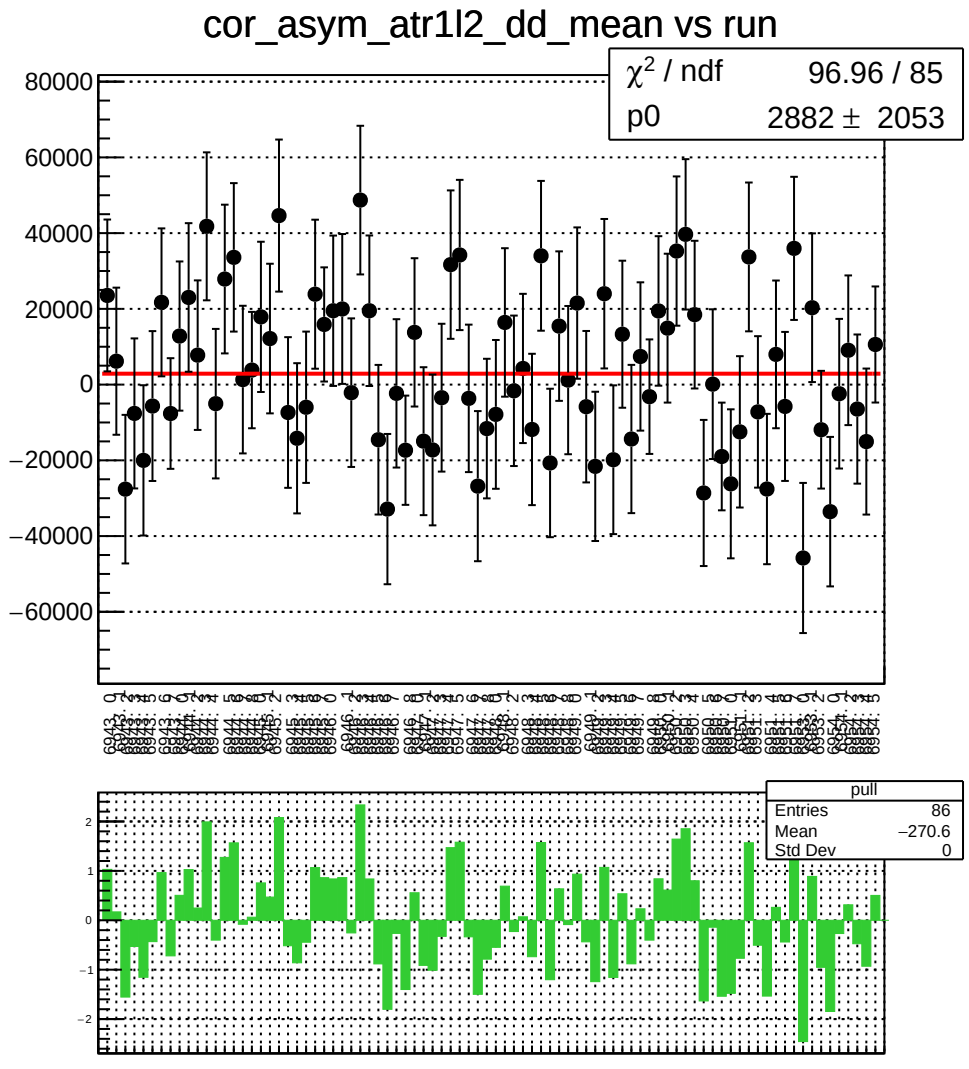

pull1D
Entries 86
Mean 0.01495
Std Dev 1.062

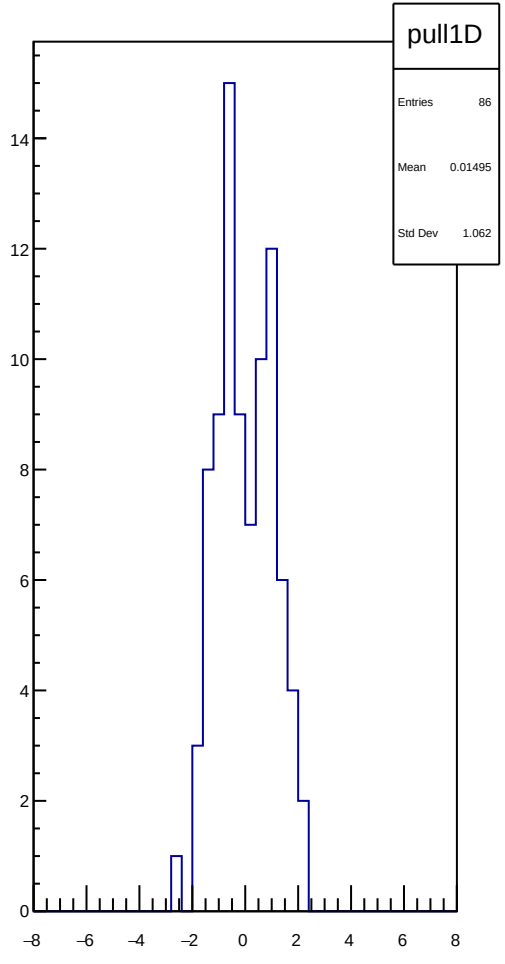

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 113 / 85
p0 1868 ± 1.452
1920
1900
1880
1860
1840
1820

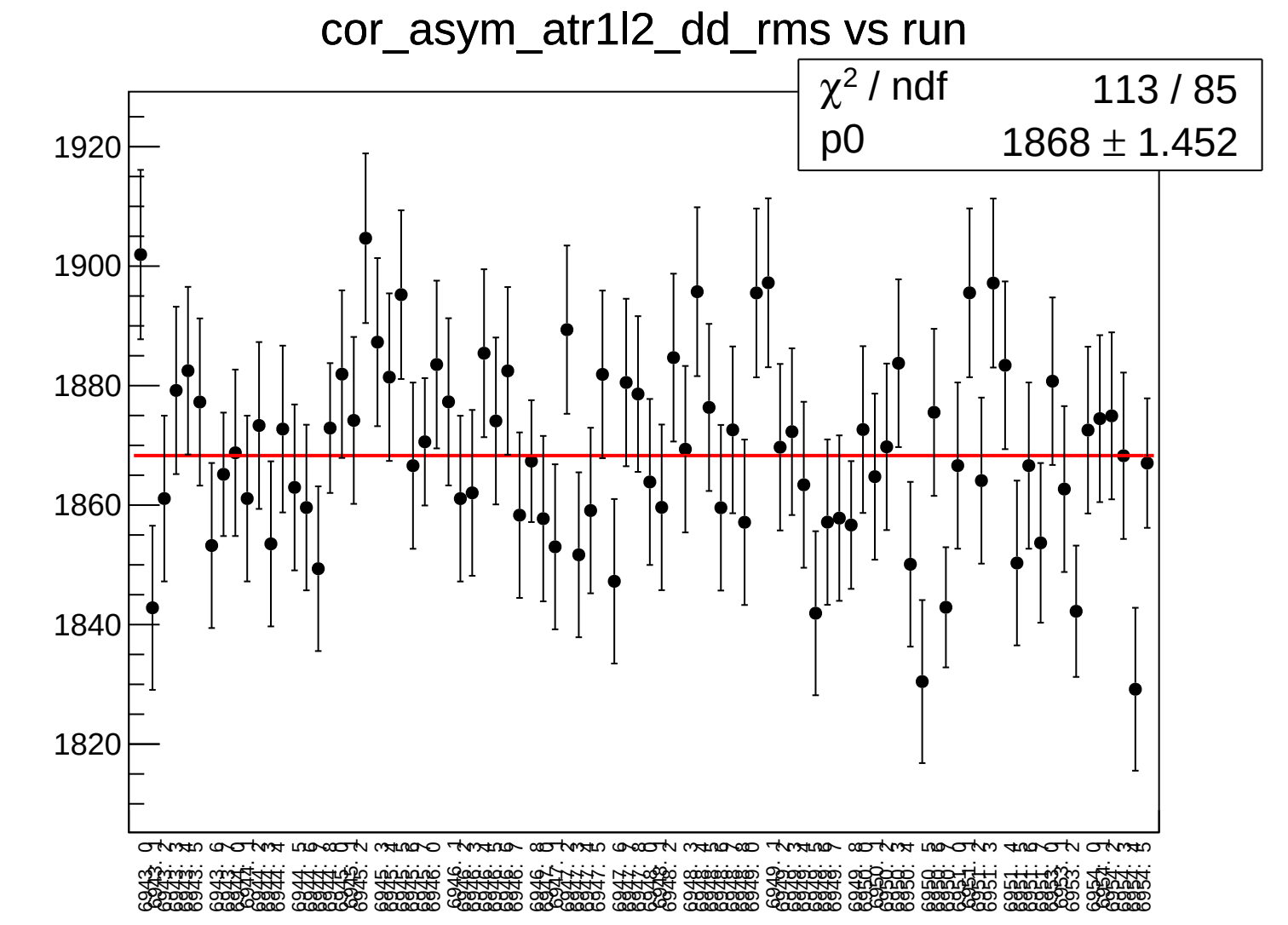

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 91.86 / 85
p0 −65.44 ± 6173
pull
Entries 86
Mean 126.4
Std Dev 0

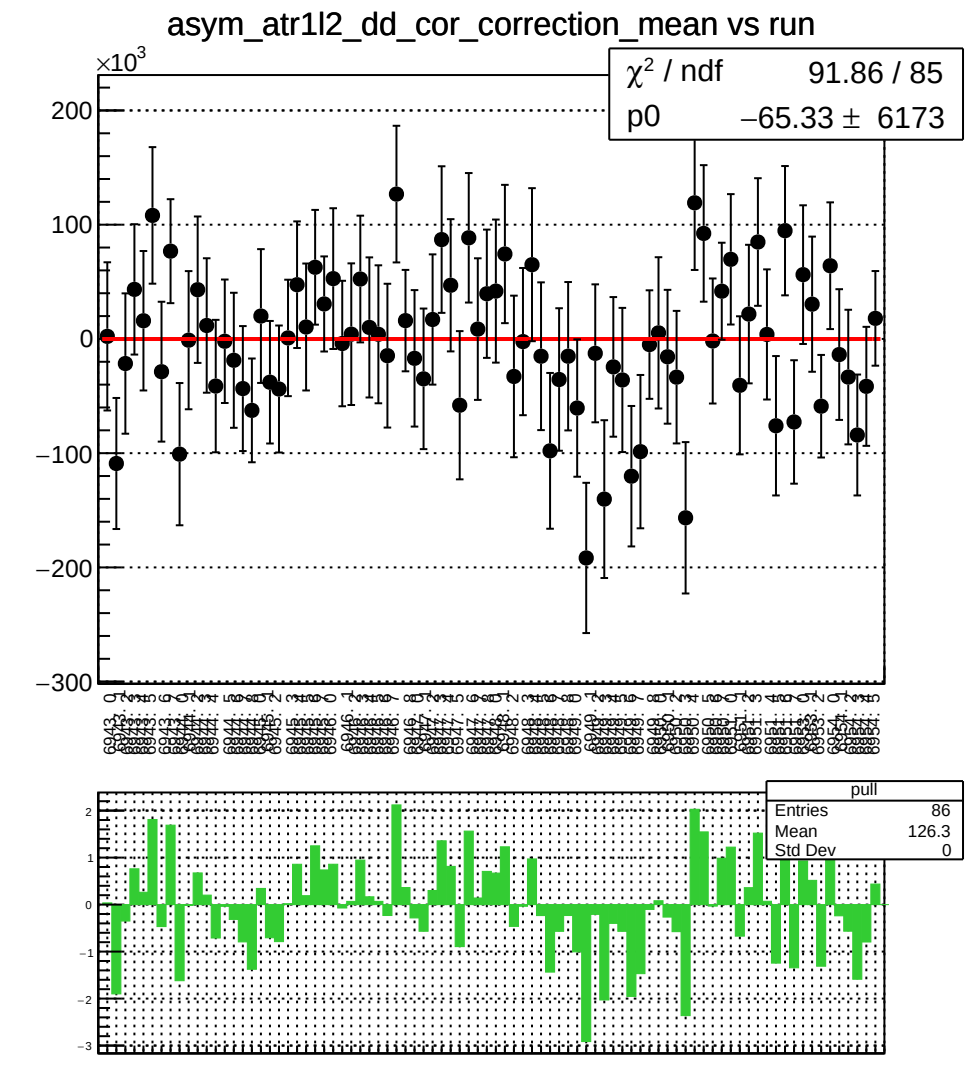

pull1D
Entries 86
Mean −0.02369
Std Dev 1.033

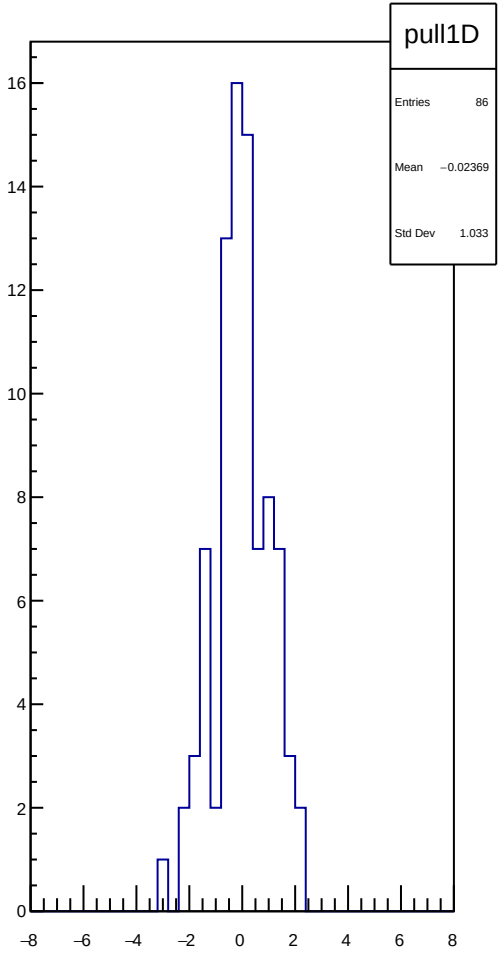

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 7670 / 85
p0 5604 ± 4.365
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

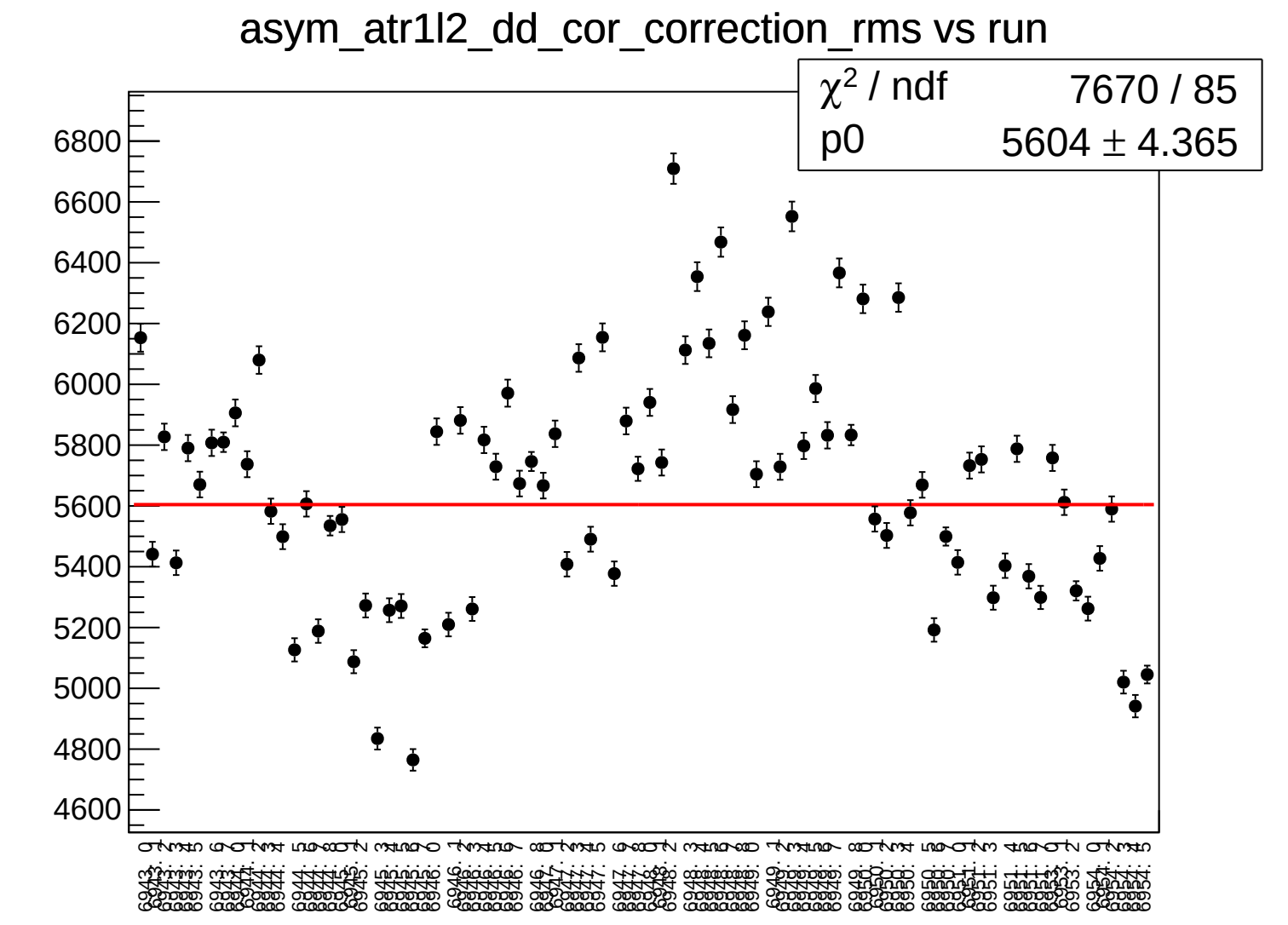

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 96.96 / 85
p0 2882 ± 2053
pull
Entries 86
Mean −270.6
Std Dev 0

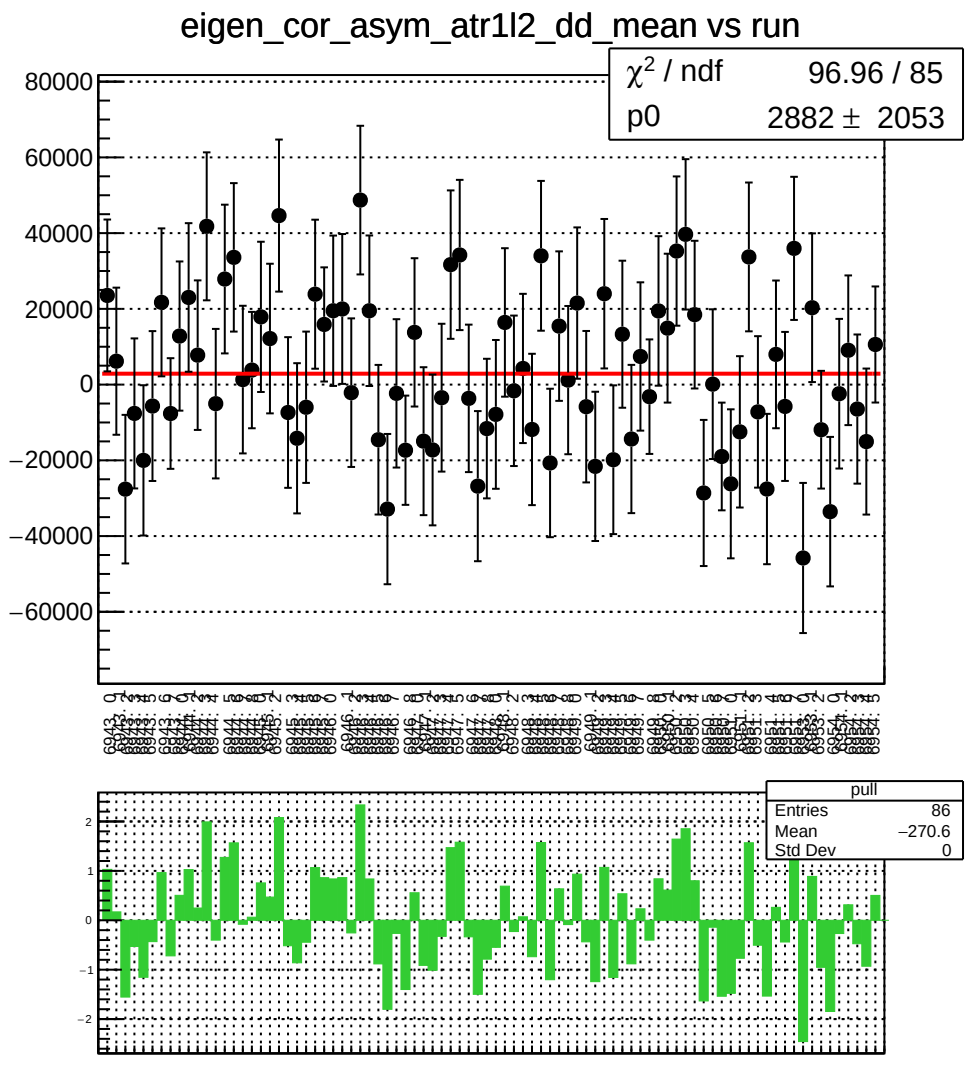

pull1D
Entries 86
Mean 0.01495
Std Dev 1.062

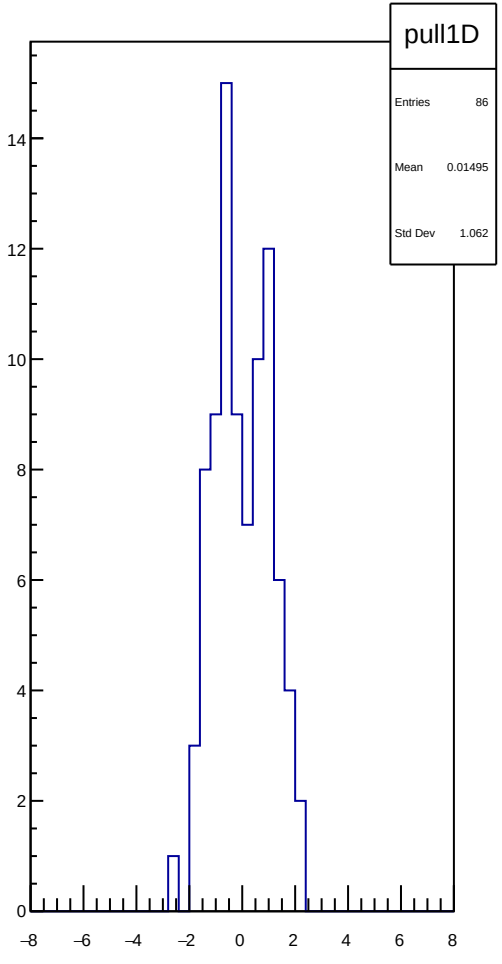

cor_asym_atr1l2_dd_rms vs run
χ^2 / ndf 113 / 85
p0 1868 ± 1.452
1920
1900
1880
1860
1840
1820

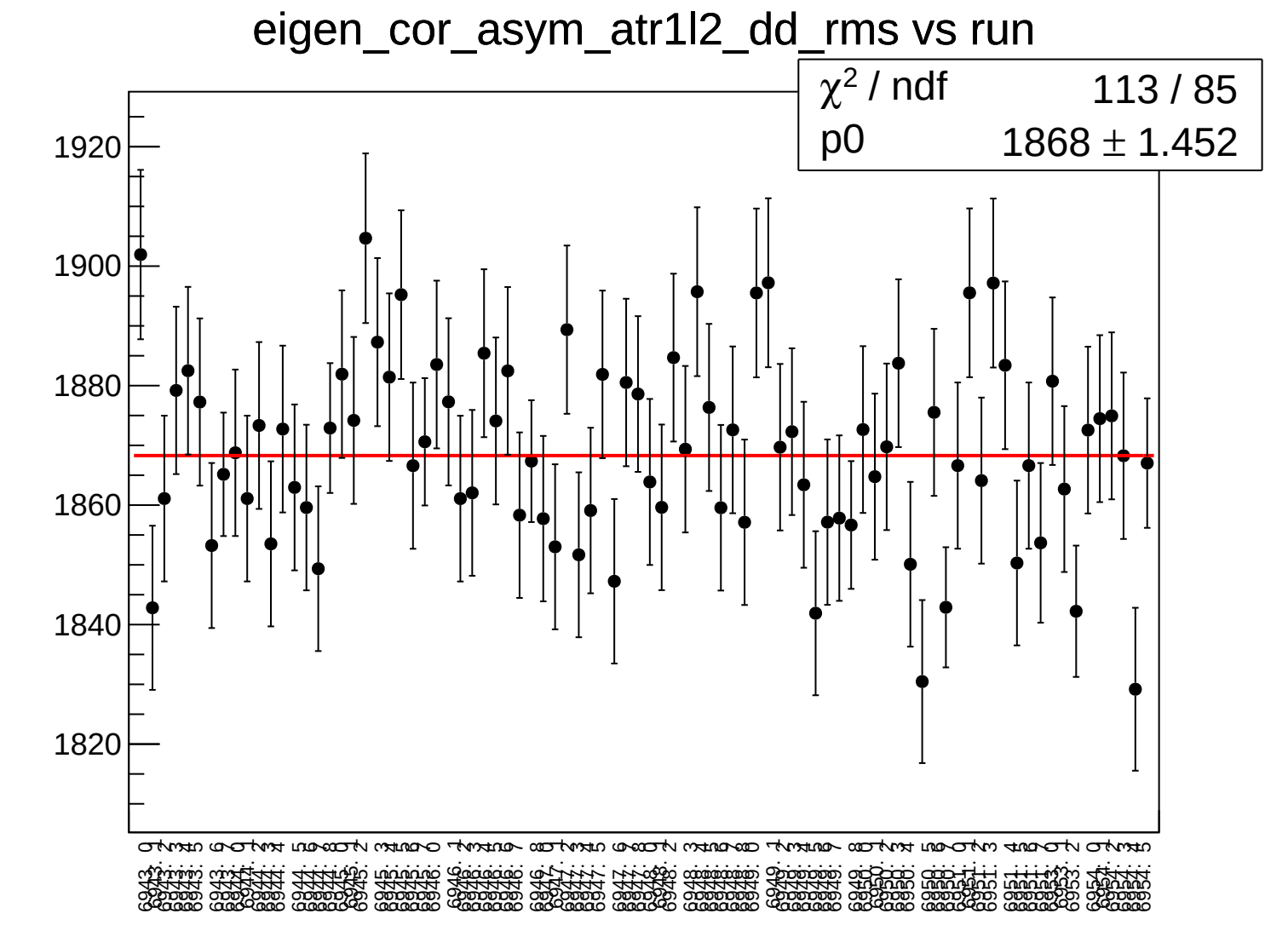

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.86 / 85
p0 −65.33 ± 6173
pull
Entries 86
Mean 126.3
Std Dev 0

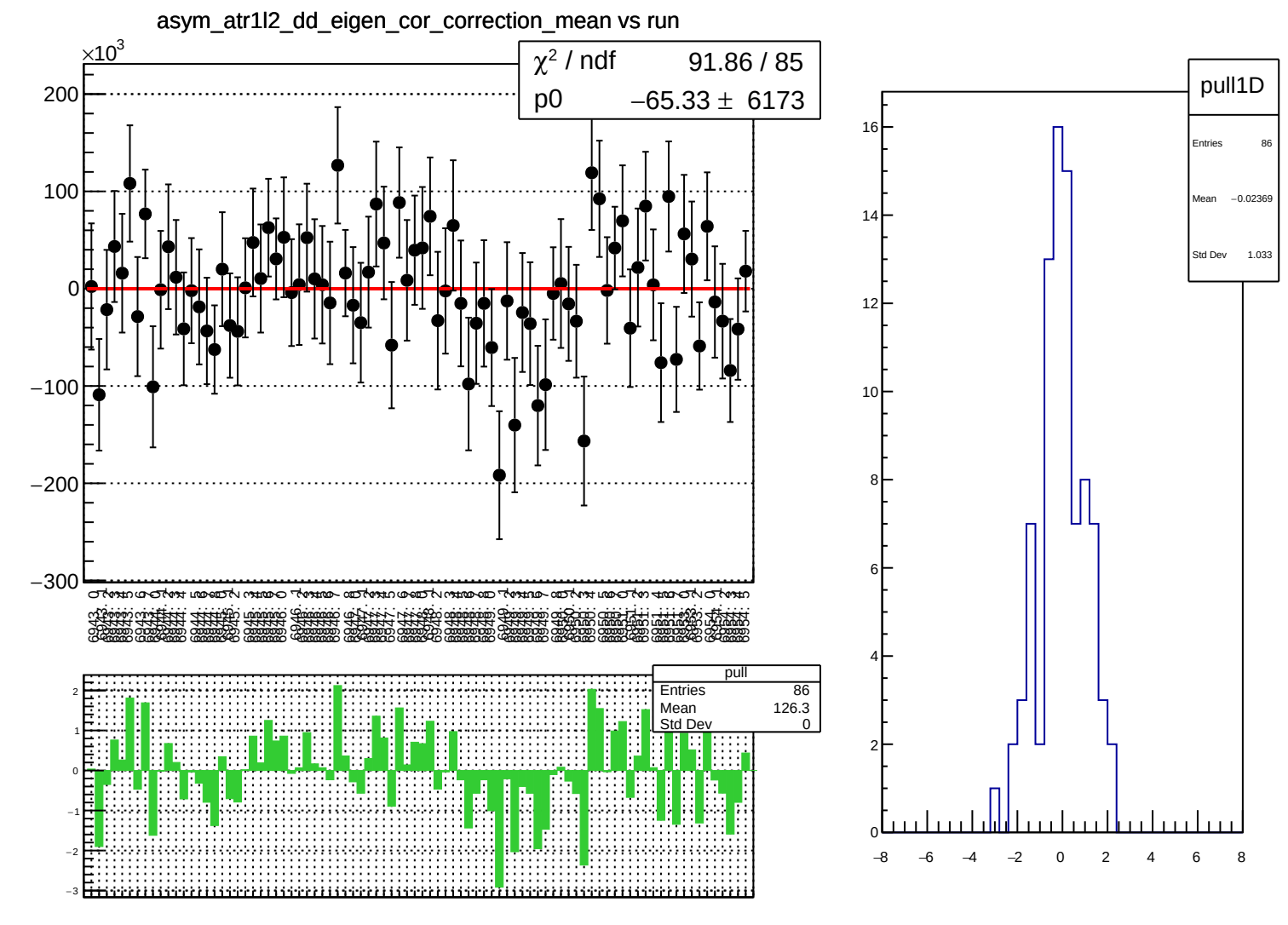

pull1D
Entries 86
Mean −0.02369
Std Dev 1.033

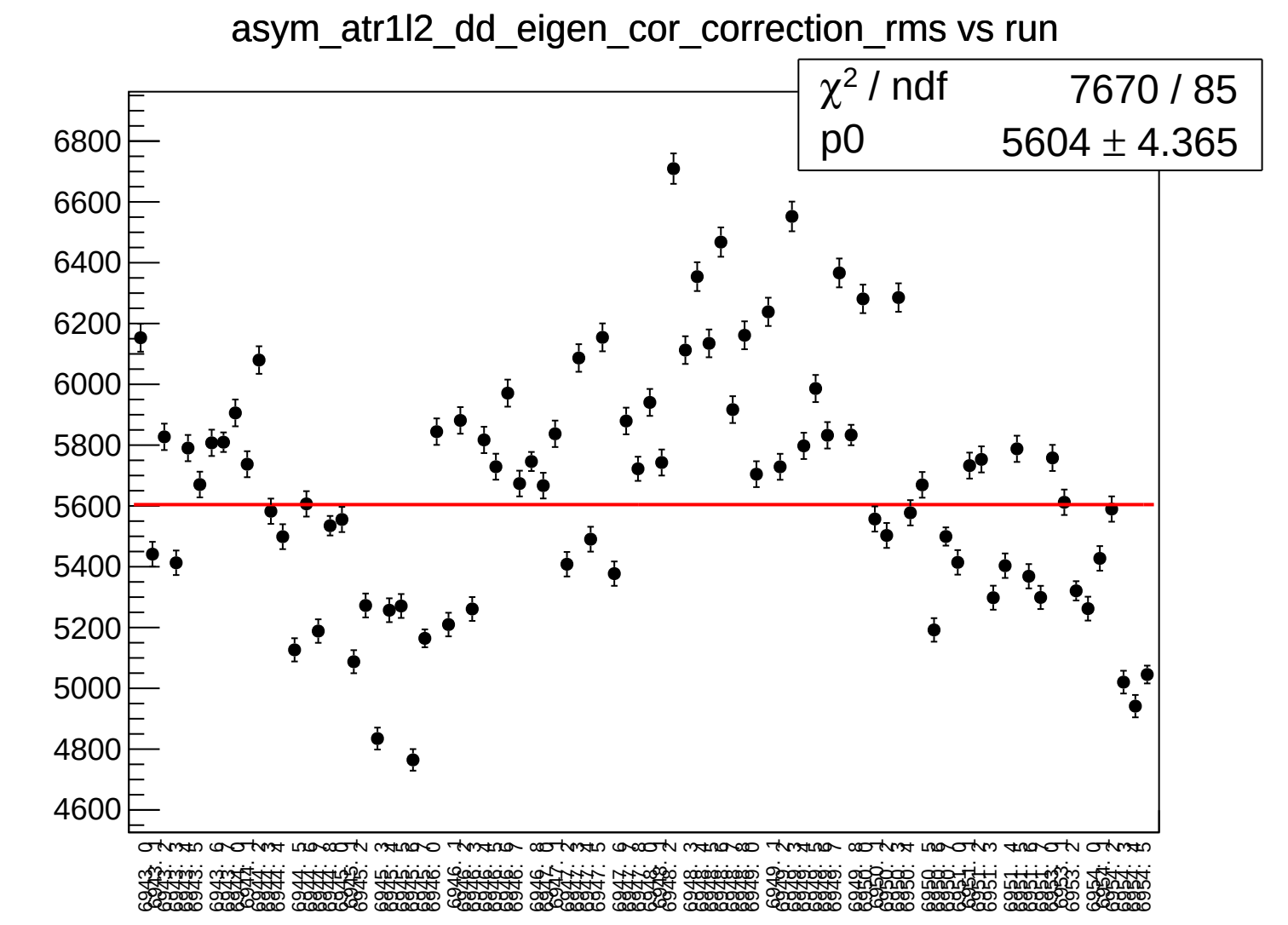

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 7670 / 85
p0 5604 ± 4.365
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

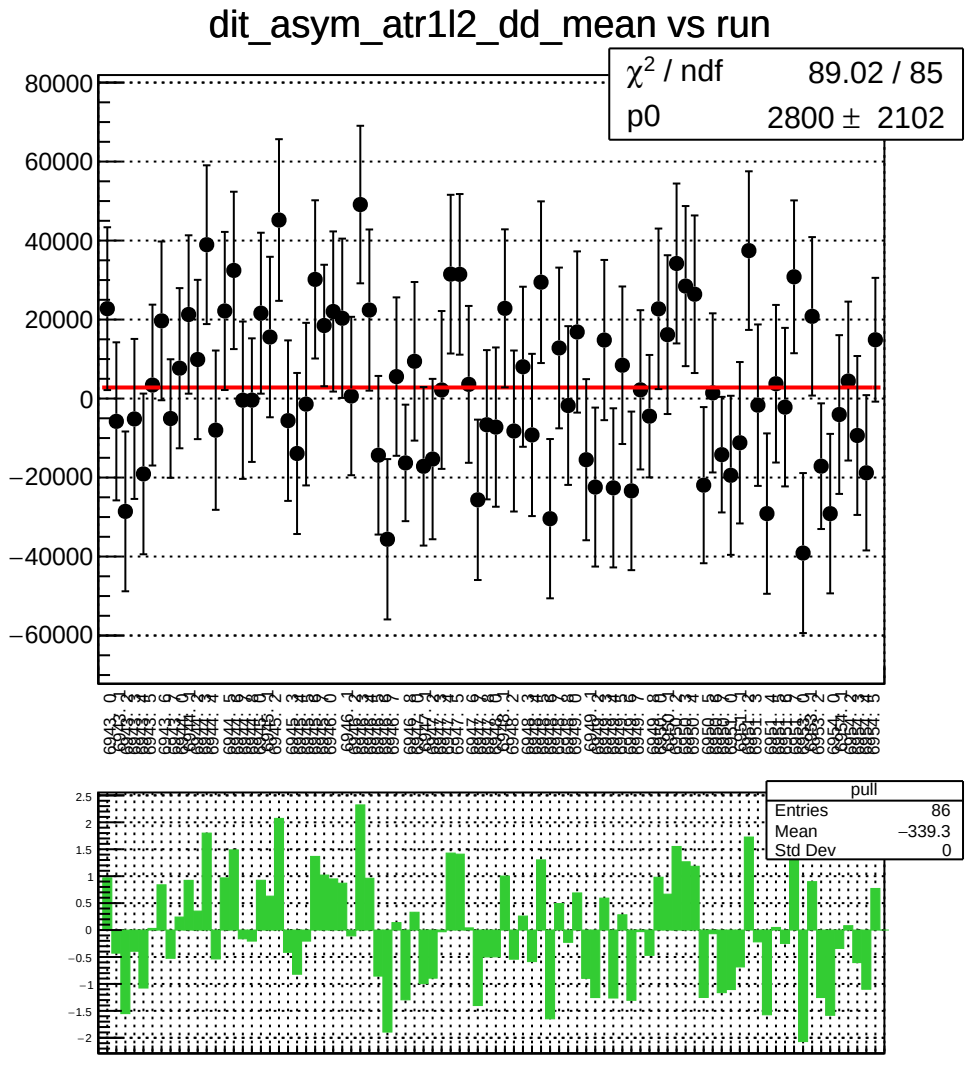

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 96.96 / 85
p0 2882 ± 2053
pull
Entries 86
Mean −270.6
Std Dev 0

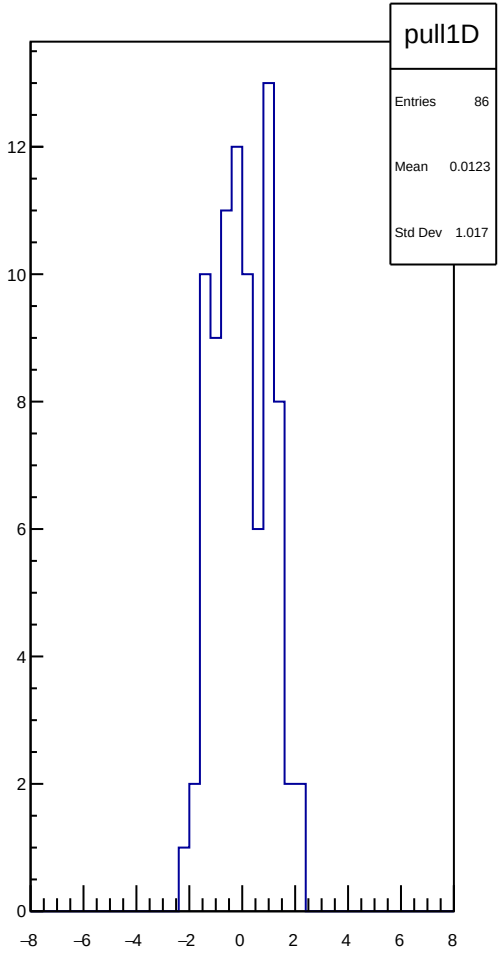

pull1D
Entries 86
Mean 0.01495
Std Dev 1.062

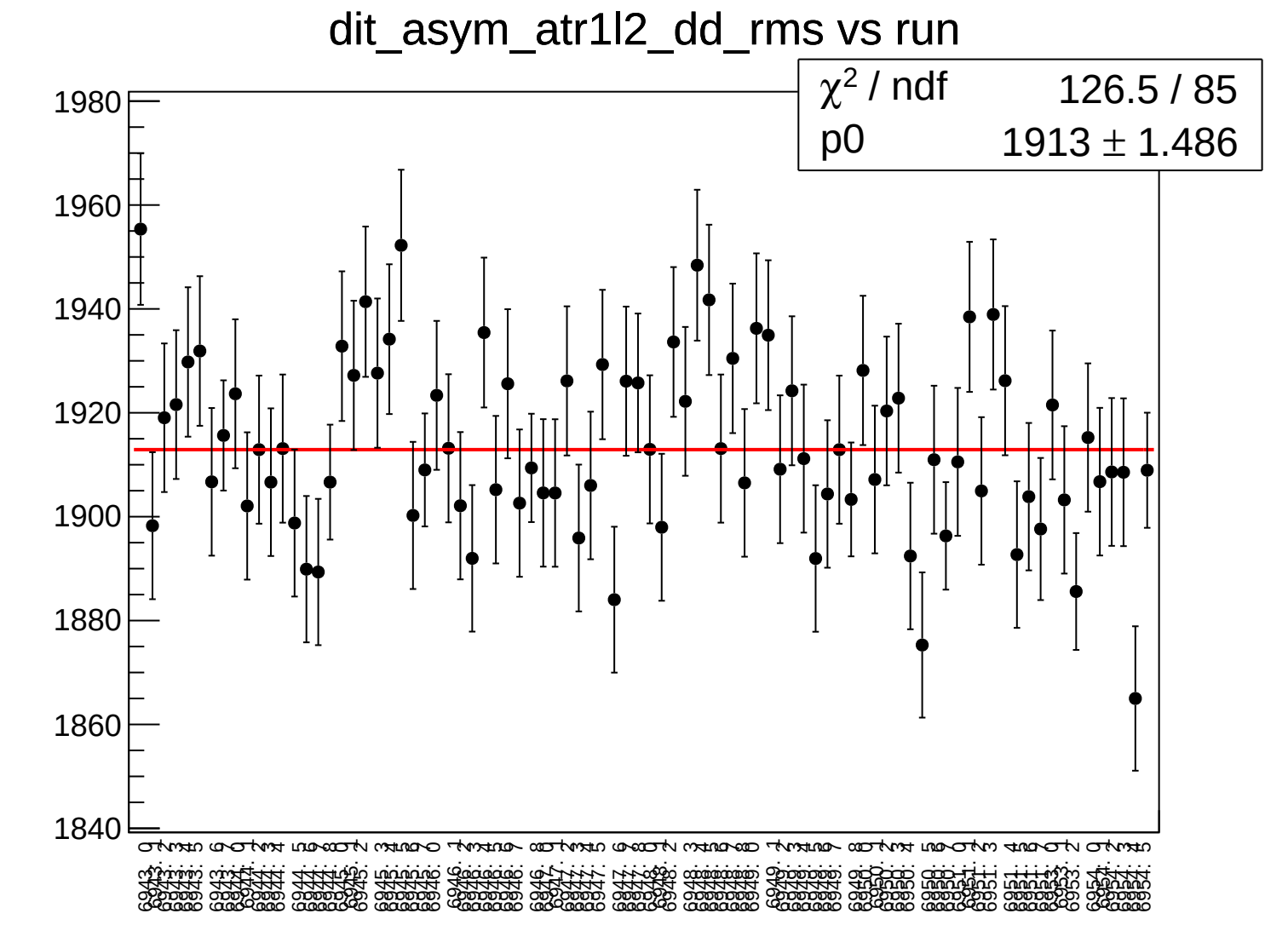

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 113 / 85
p0 1868 ± 1.452
1920
1900
1880
1860
1840
1820

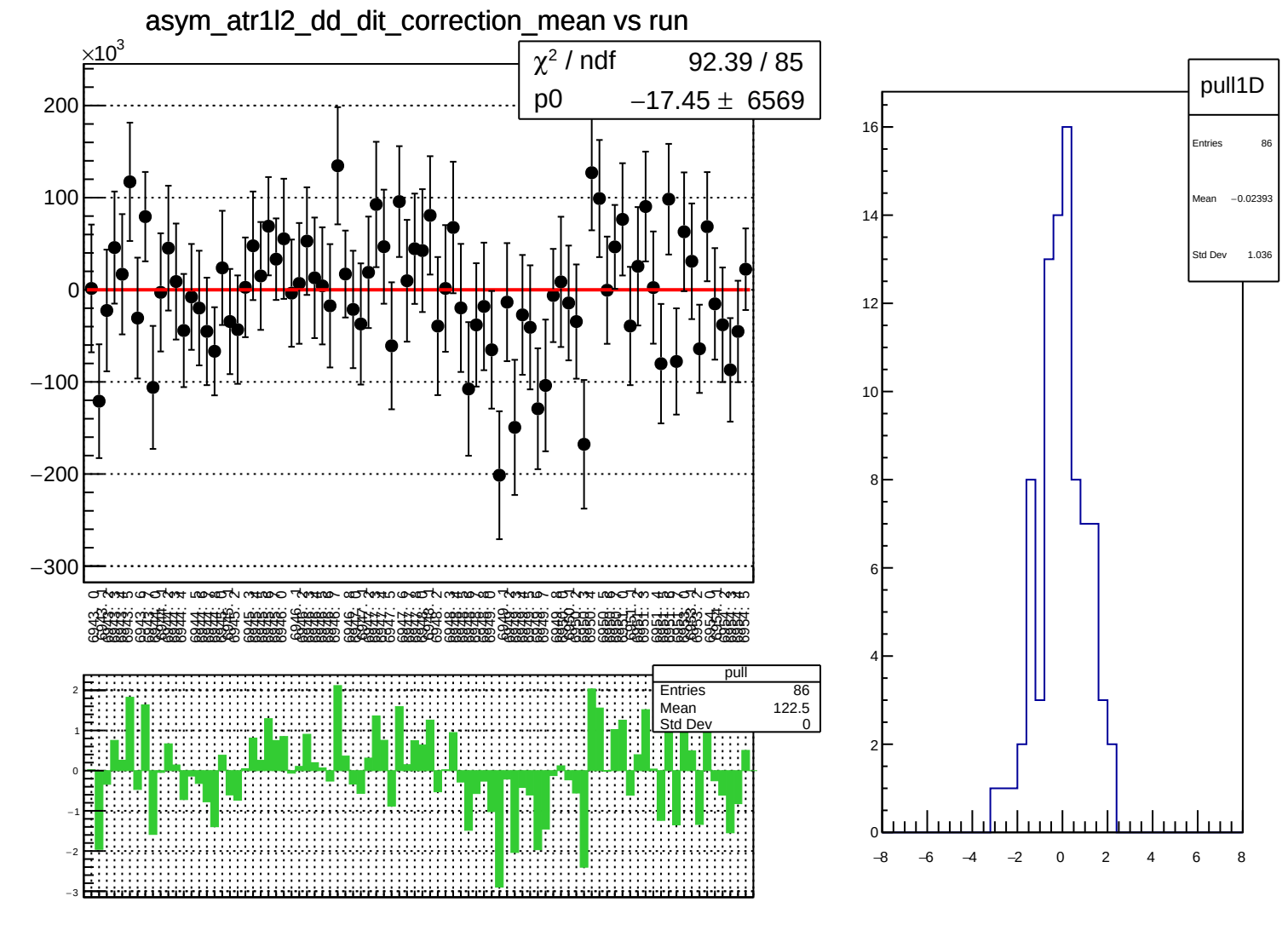

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.86 / 85
p0 −65.33 ± 6173
200
100
0
−100
−200
−300
pull
Entries 86
Mean 126.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02369
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

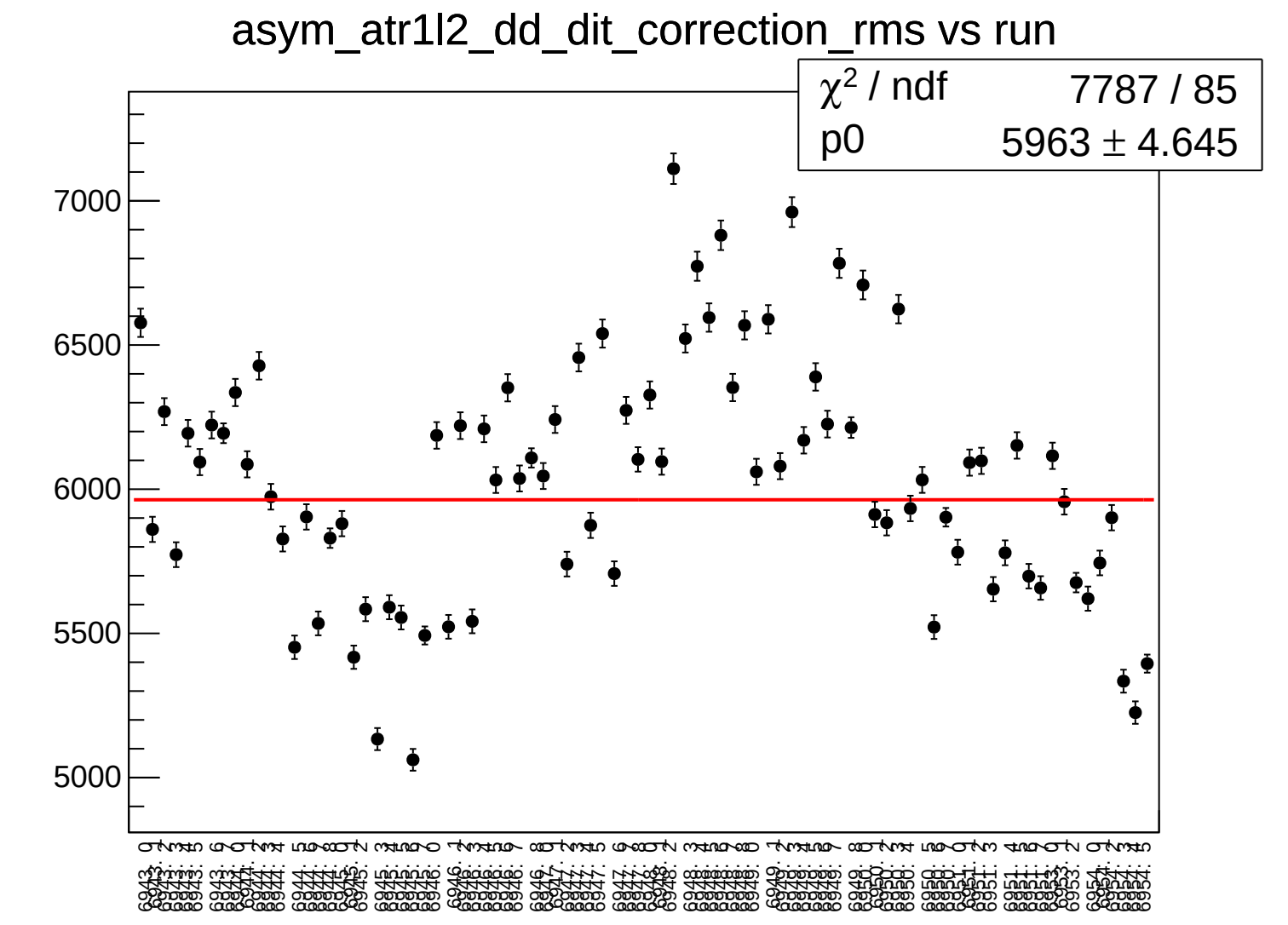

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7670 / 85
p0 5604 ± 4.365
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

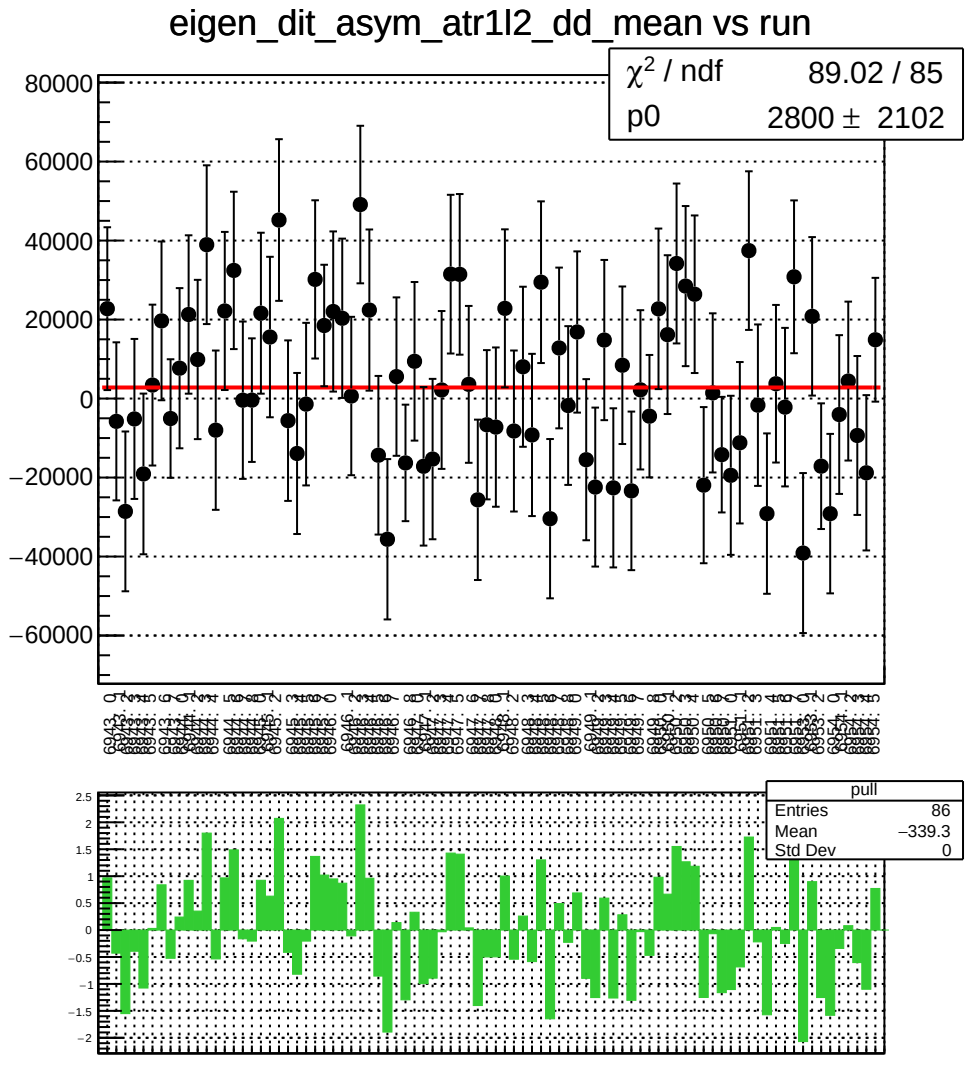

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 89.02 / 85
p0 2800 ± 2102
pull
Entries 86
Mean −339.3
Std Dev 0

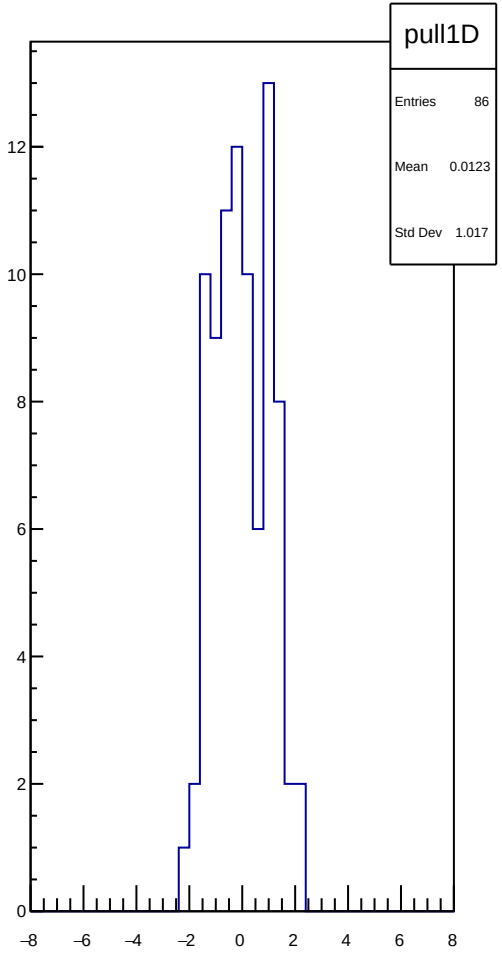

pull1D
Entries 86
Mean 0.0123
Std Dev 1.017

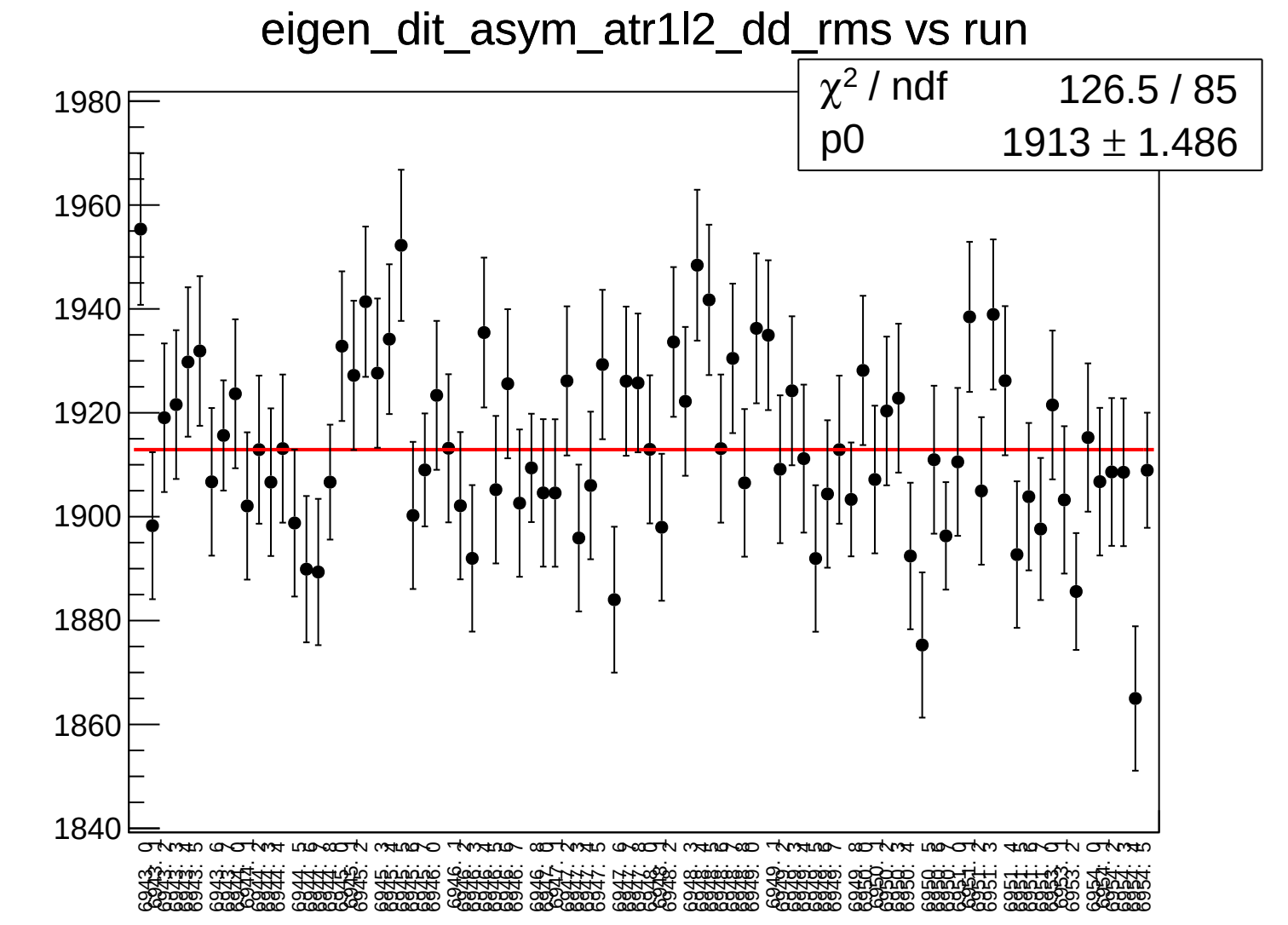

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 126.5 / 85
p0 1913 ± 1.486
1980
1960
1940
1920
1900
1880
1860
1840

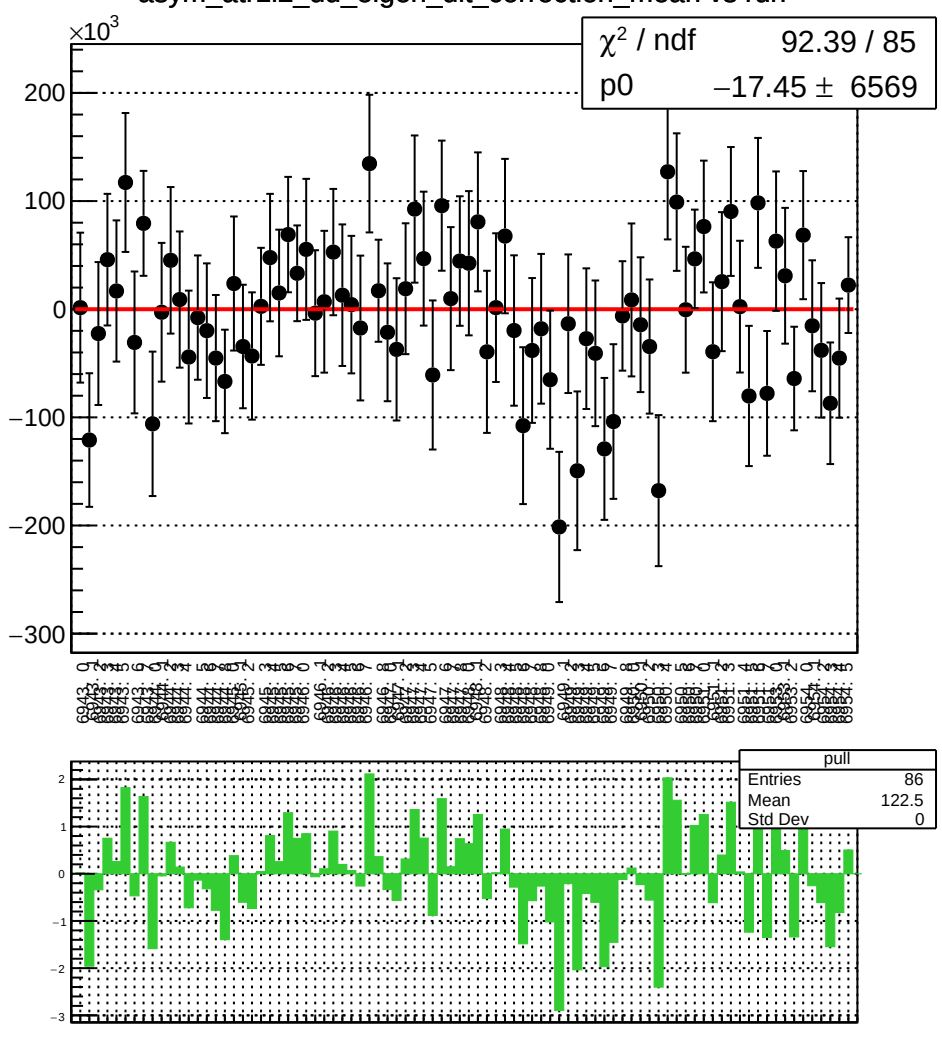

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.39 / 85
p0 −17.45 ± 6569
200
100
0
−100
−200
−300
pull
Entries 86
Mean 122.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02393
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

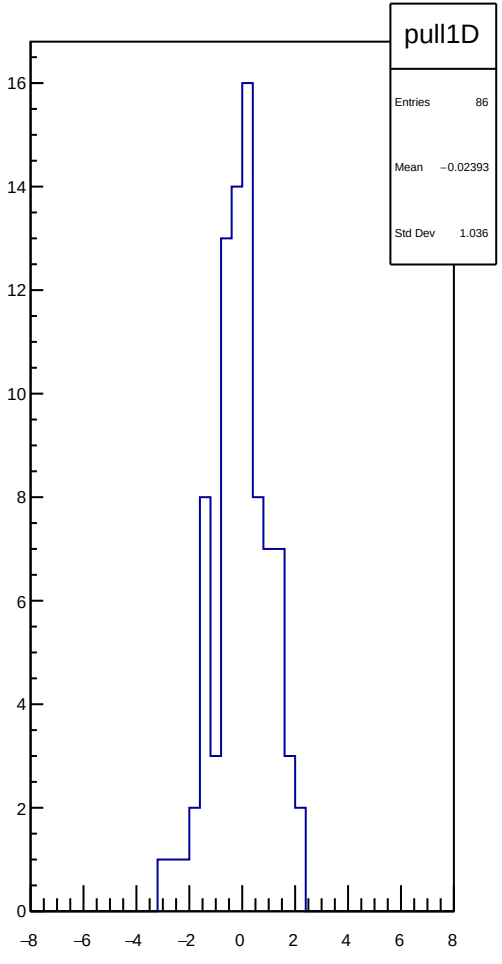

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 7787 / 85
p0 5963 ± 4.645
7000
6500
6000
5500
5000

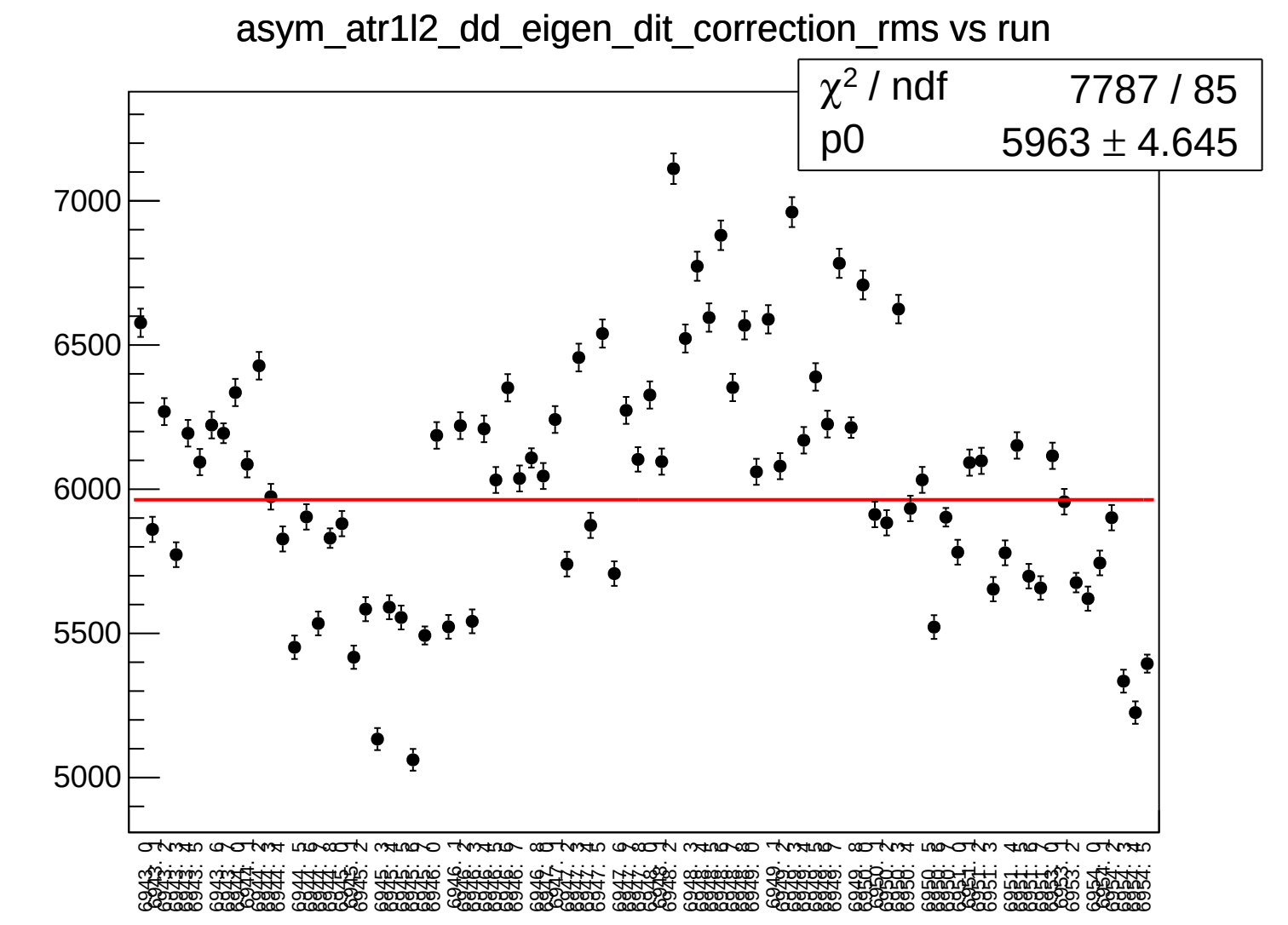

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 89.02 / 85
p0 2800 ± 2102
pull
Entries 86
Mean −339.3
Std Dev 0

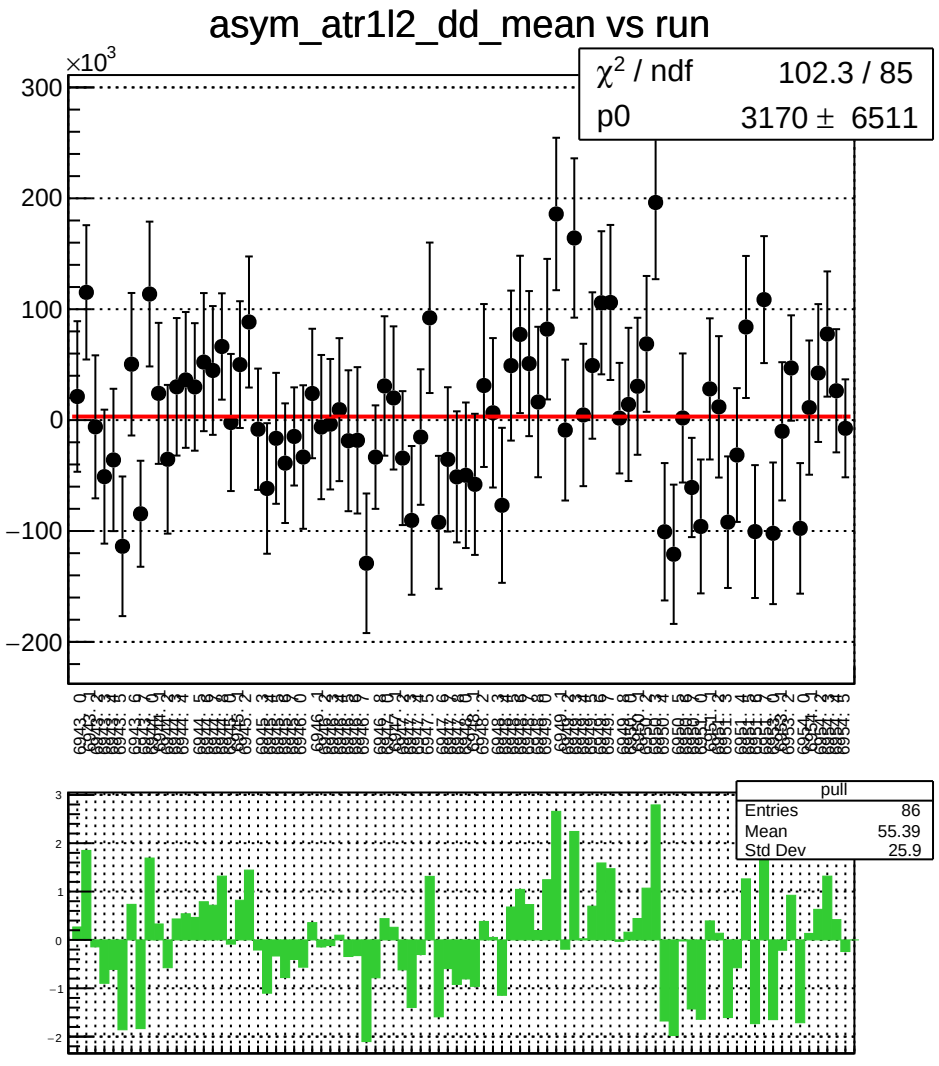

pull1D
Entries 86
Mean 0.0123
Std Dev 1.017

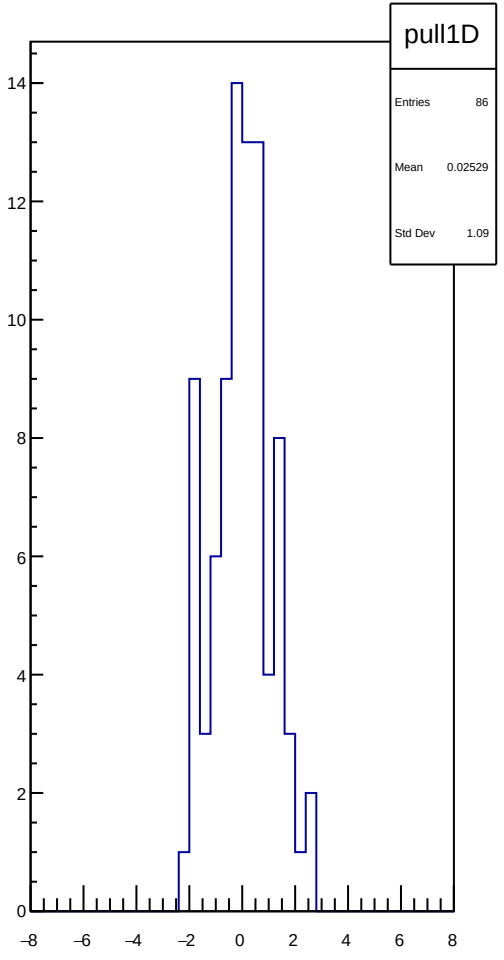

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 126.5 / 85
p0 1913 ± 1.486
1980
1960
1940
1920
1900
1880
1860
1840

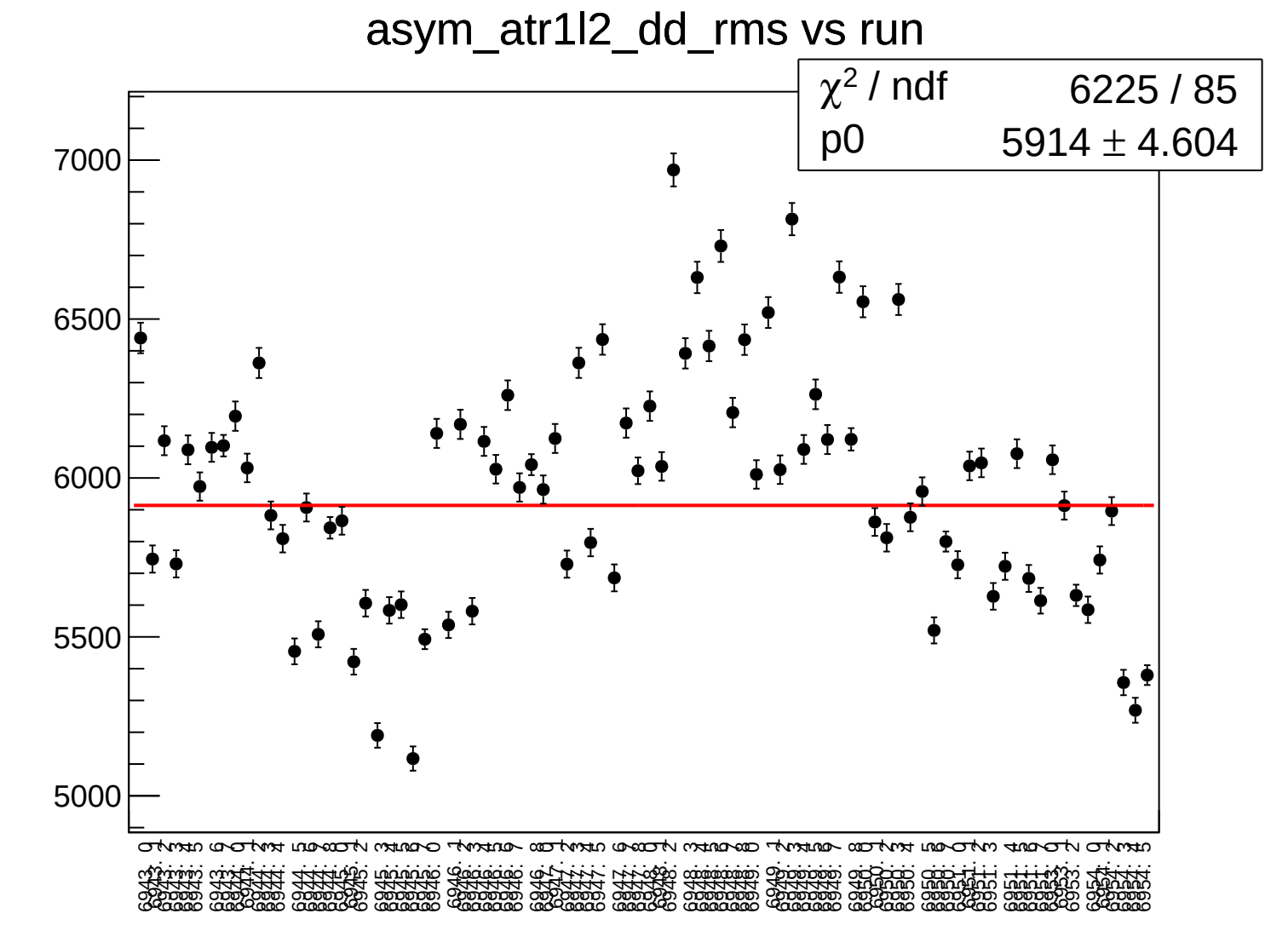

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.39 / 85
p0 −17.45 ± 6569
pull
Entries 86
Mean 122.5
Std Dev 0

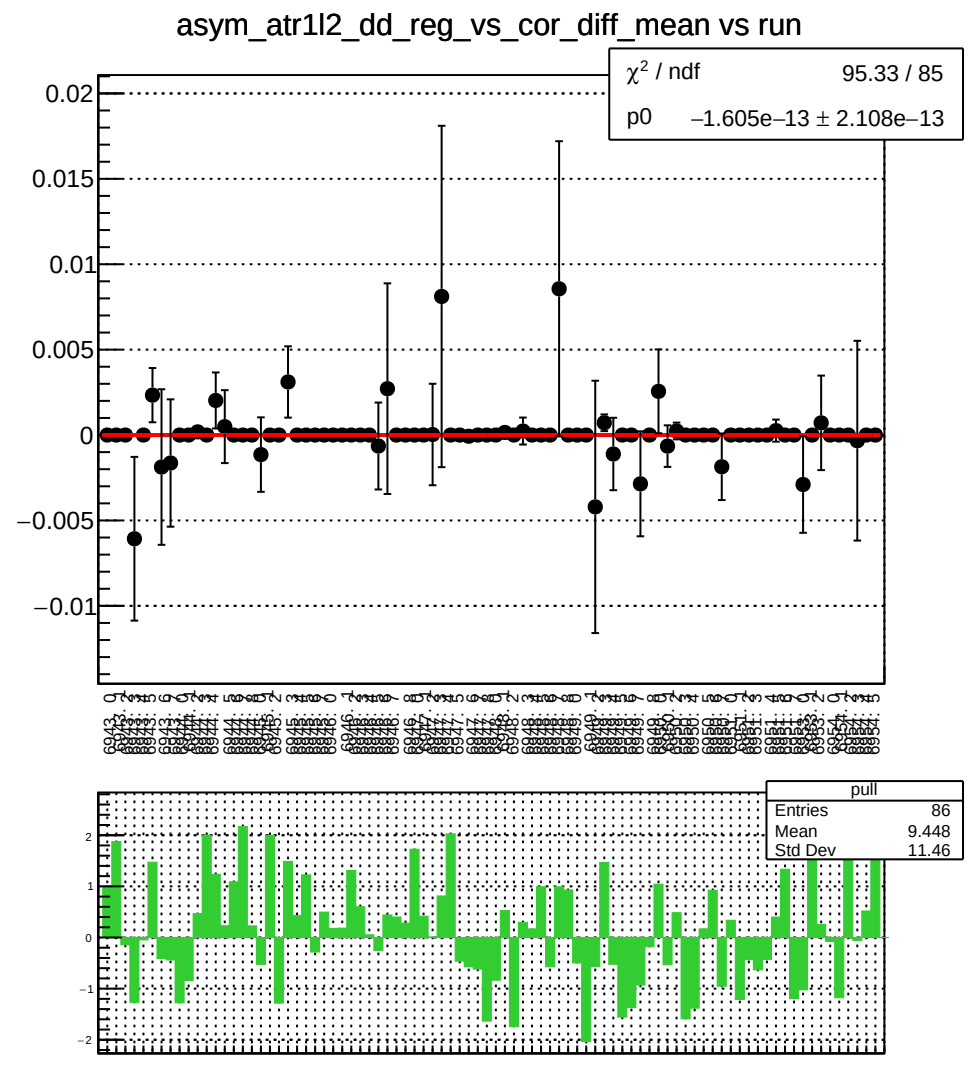

pull1D
Entries 86
Mean −0.02393
Std Dev 1.036

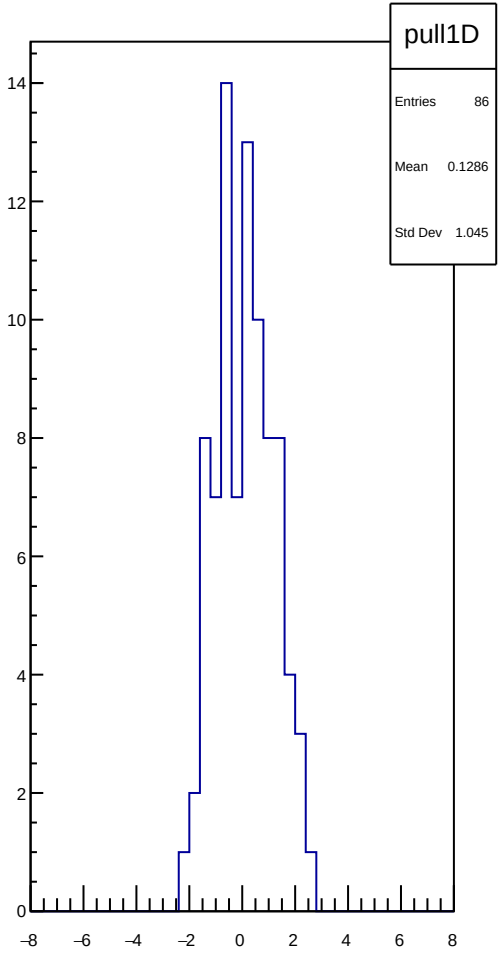

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7787 / 85
p0 5963 ± 4.645
7000
6500
6000
5500
5000

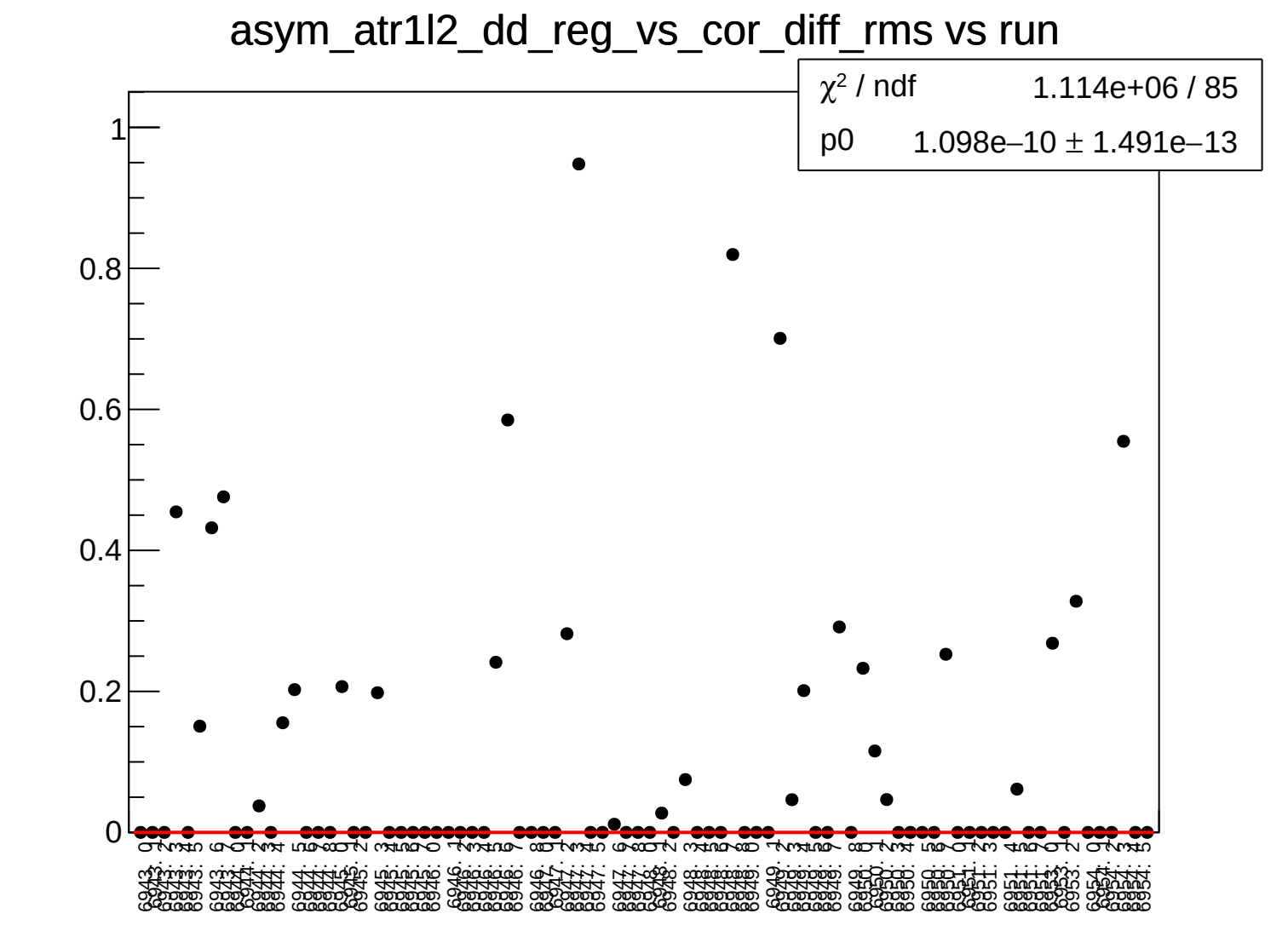

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 102.3 / 85
p0 3170 ± 6511
pull
Entries 86
Mean 55.39
Std Dev 25.9

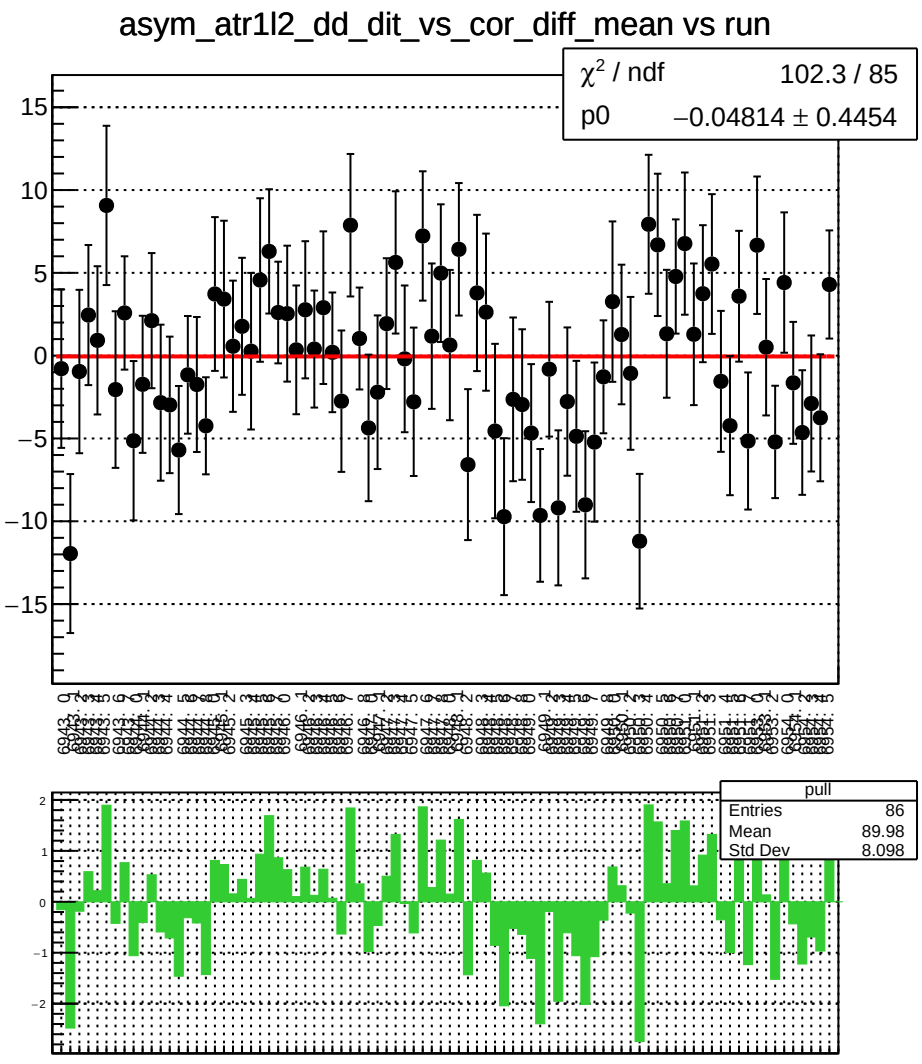

pull1D
Entries 86
Mean 0.02529
Std Dev 1.09

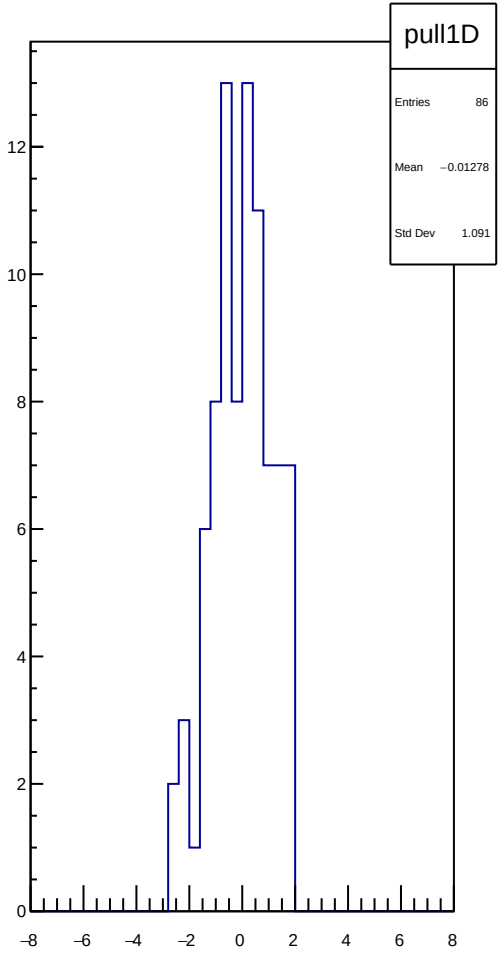

asym_atr1l2_dd_rms vs run
χ^2 / ndf 6225 / 85
p0 5914 ± 4.604
7000
6500
6000
5500
5000

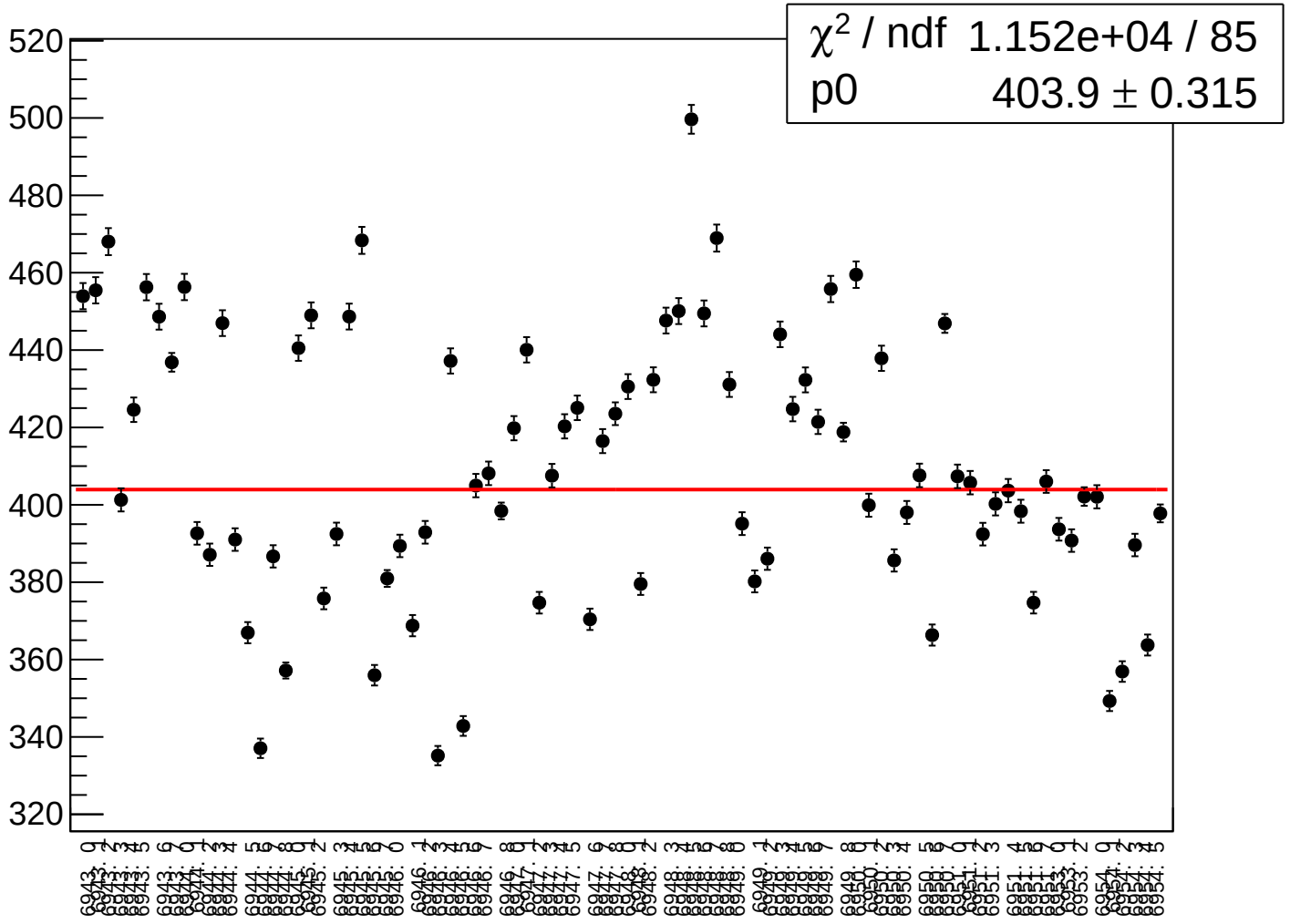

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 95.33 / 85
p0 −1.605e−13 ± 2.108e−13
pull
Entries 86
Mean 9.448
Std Dev 11.46

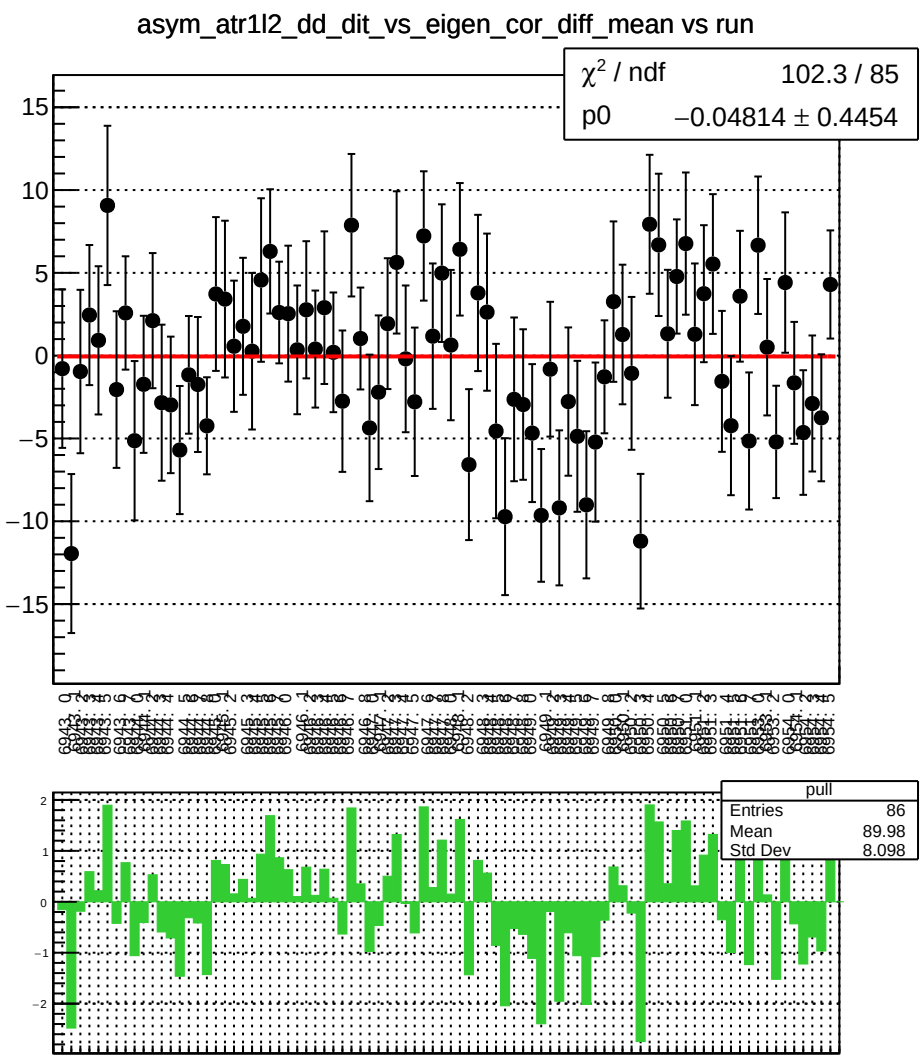

pull1D
Entries 86
Mean 0.1286
Std Dev 1.045

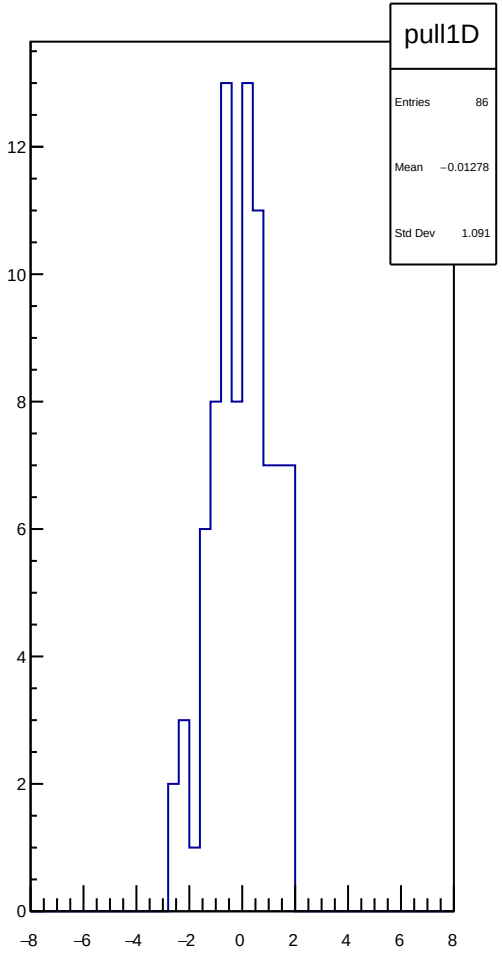

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.114e+06 / 85
p0 1.098e−10 ± 1.491e−13
1
0.8
0.6
0.4
0.2
0

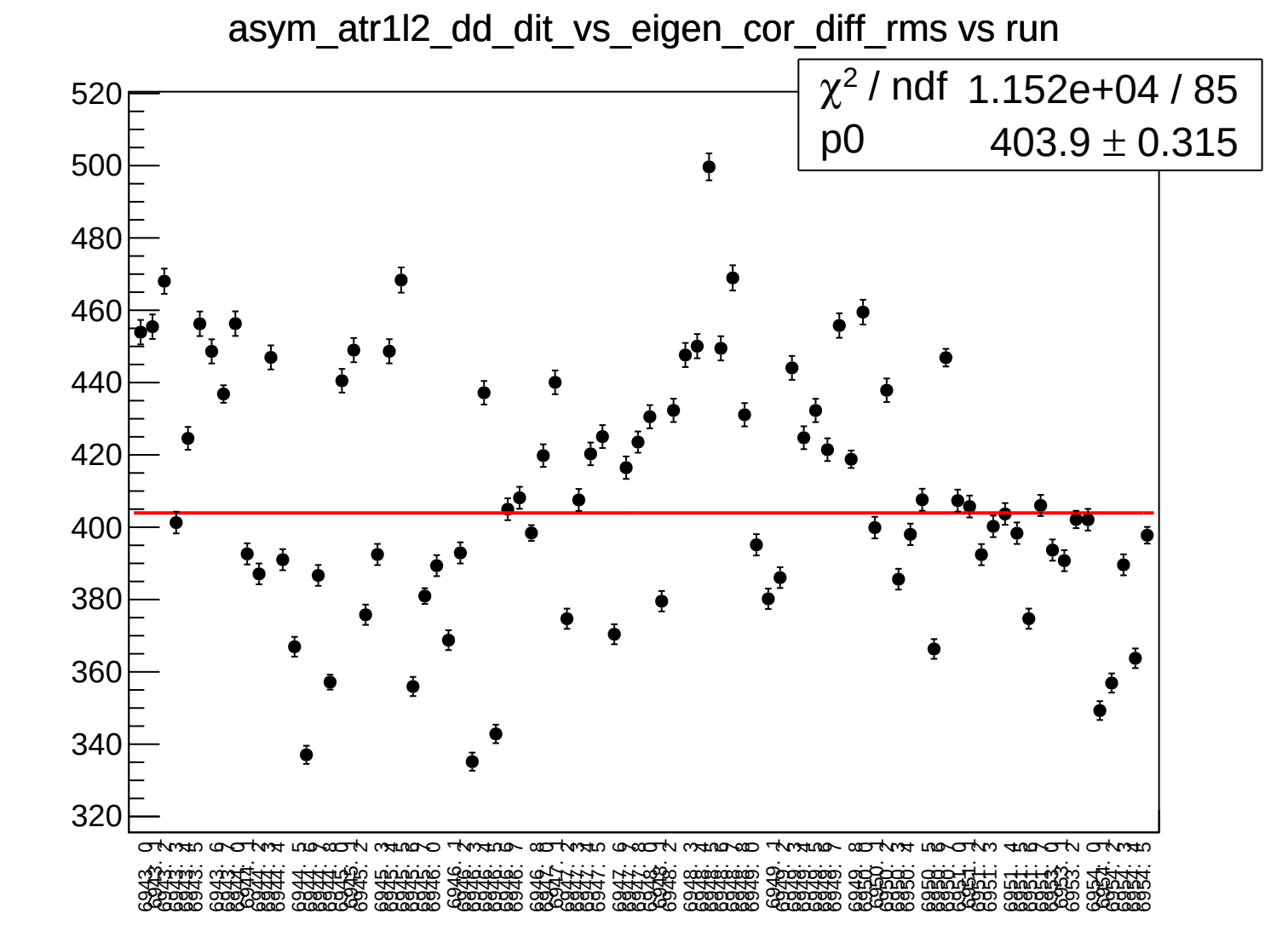

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.3 / 85
p0 −0.04814 ± 0.4454
pull
Entries 86
Mean 89.98
Std Dev 8.098

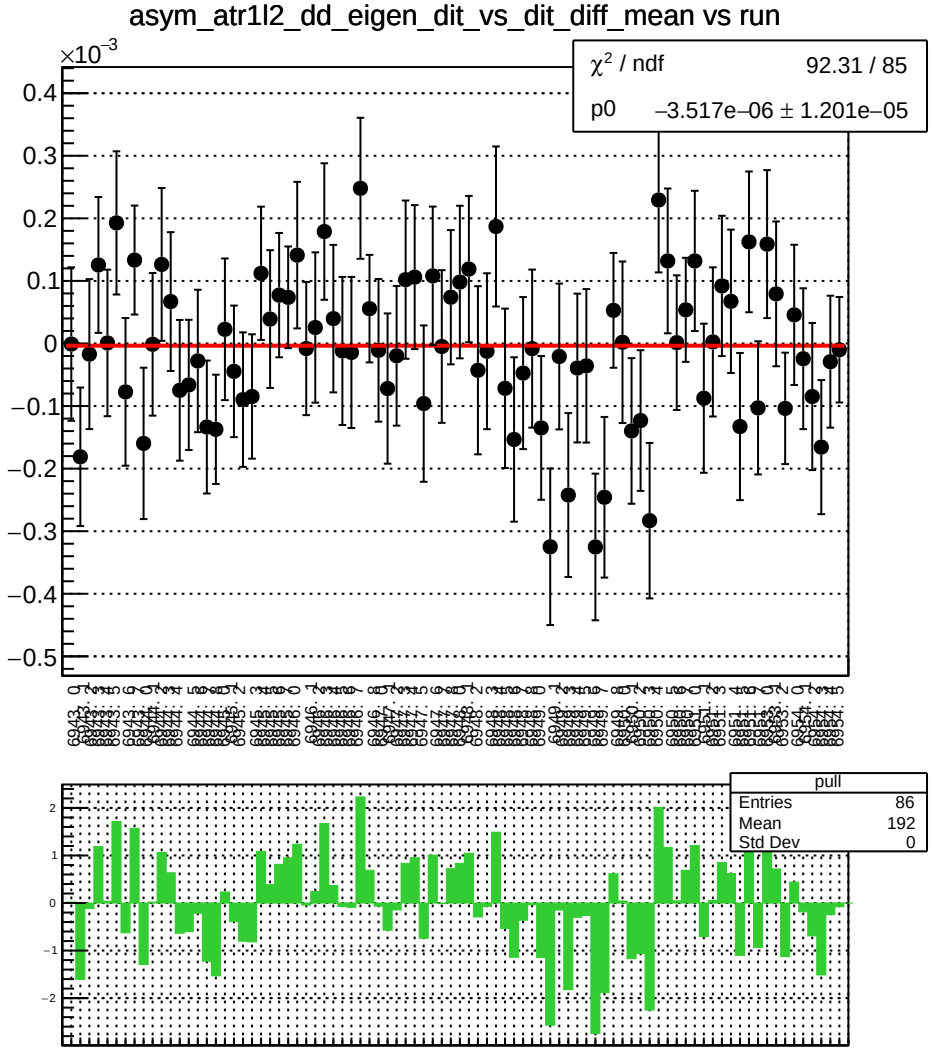

pull1D
Entries 86
Mean −0.01278
Std Dev 1.091

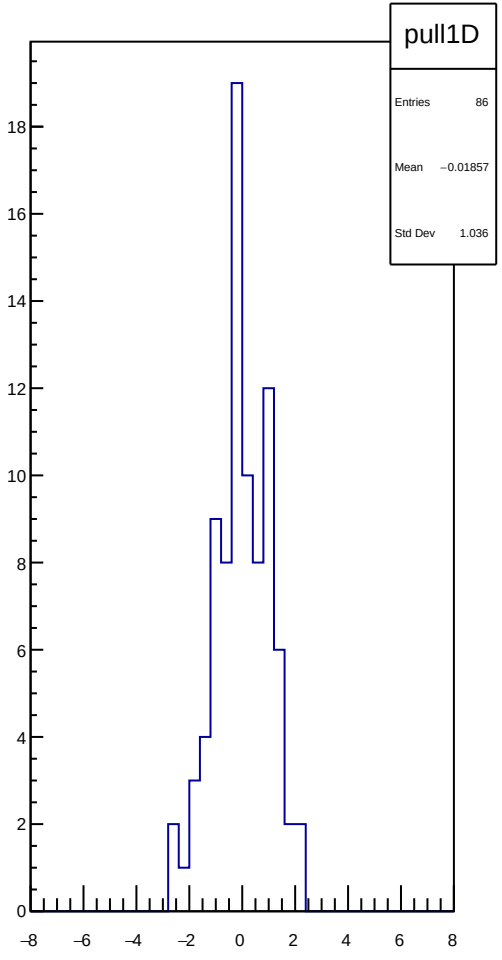

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.152e+04 / 85
p0 403.9 ± 0.315
520
500
480
460
440
420
400
380
360
340
320

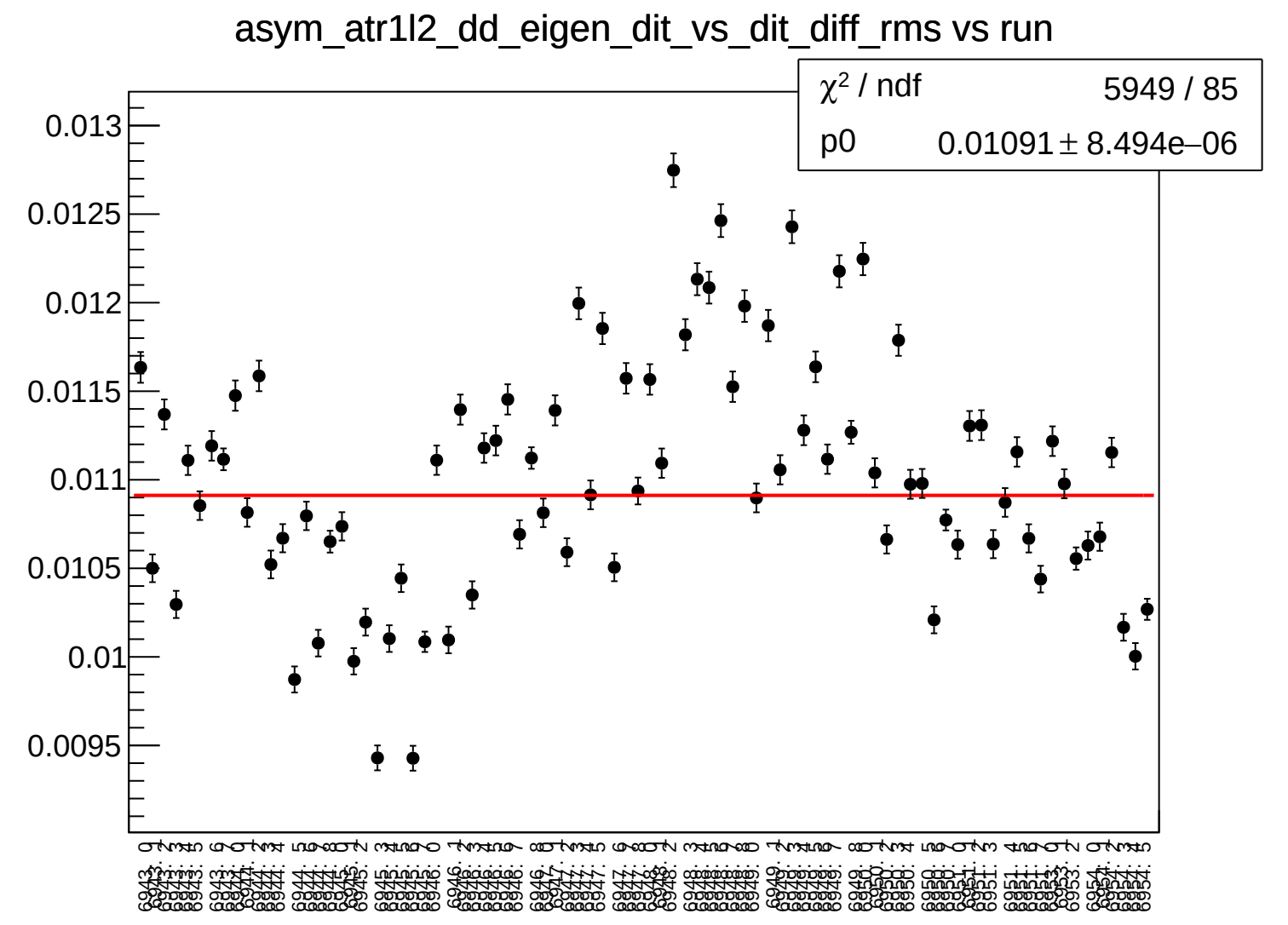

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.3 / 85
p0 −0.04814 ± 0.4454
pull
Entries 86
Mean 89.98
Std Dev 8.098

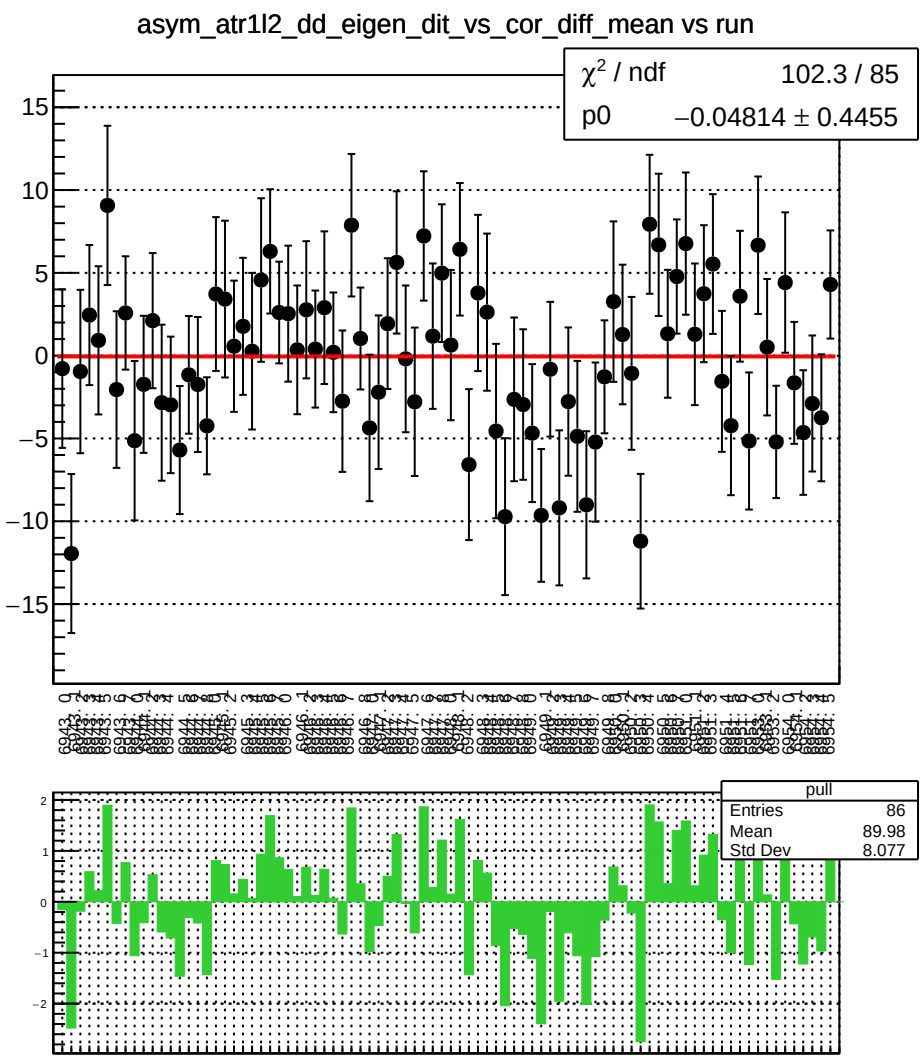

pull1D
Entries 86
Mean −0.01278
Std Dev 1.091

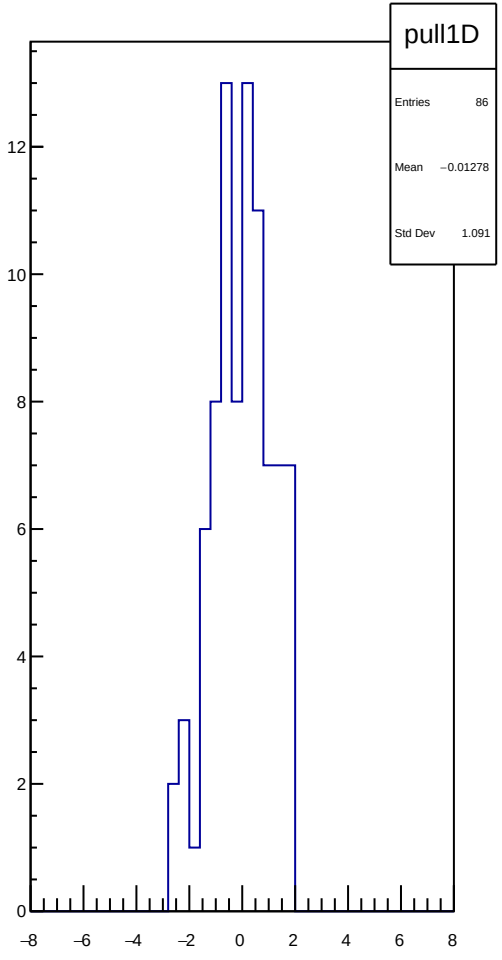

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.152e+04 / 85
p0 403.9 ± 0.315
520
500
480
460
440
420
400
380
360
340
320

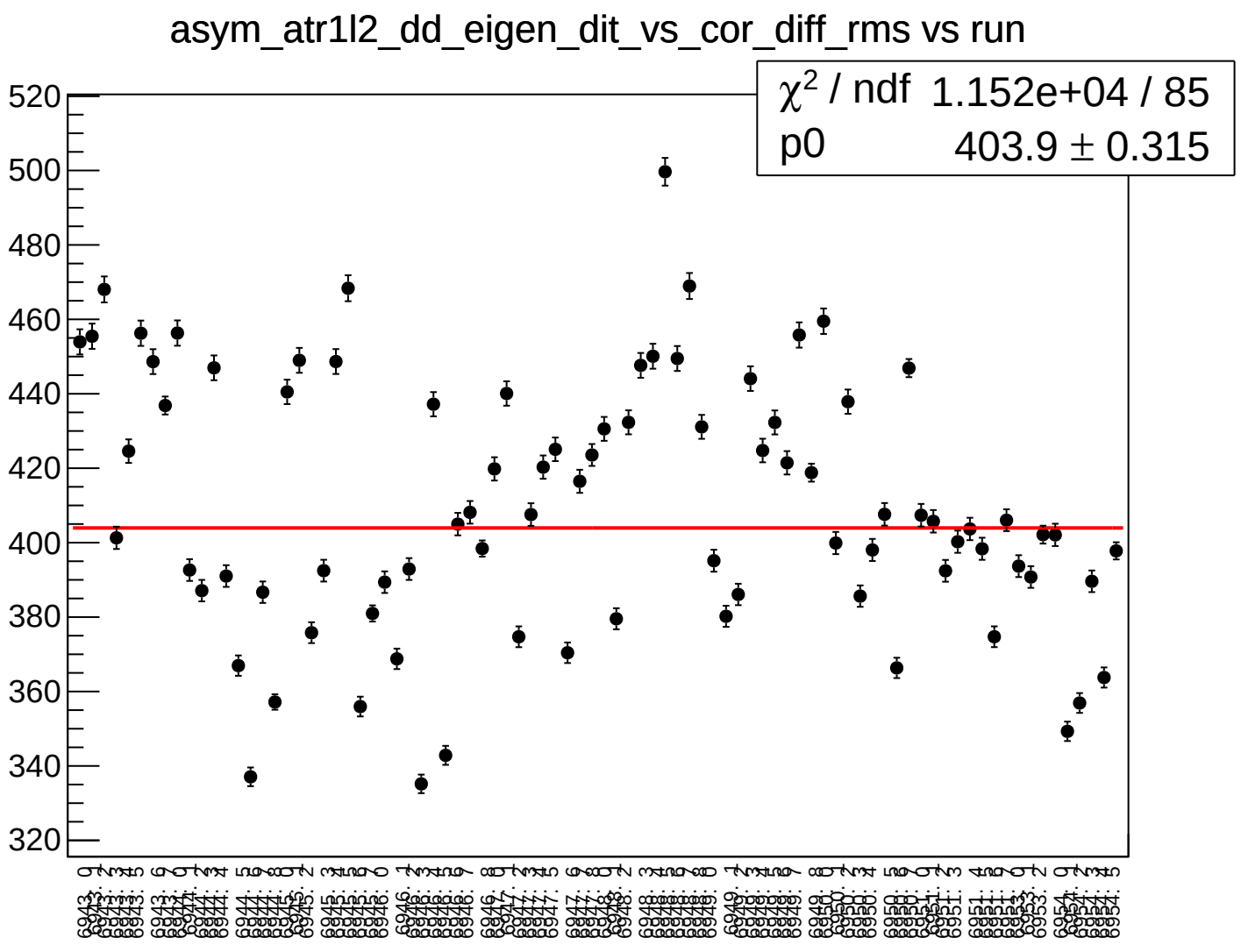

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.31 / 85
p0 −3.517e−06 ± 1.201e−05
pull
Entries 86
Mean 192
Std Dev 0

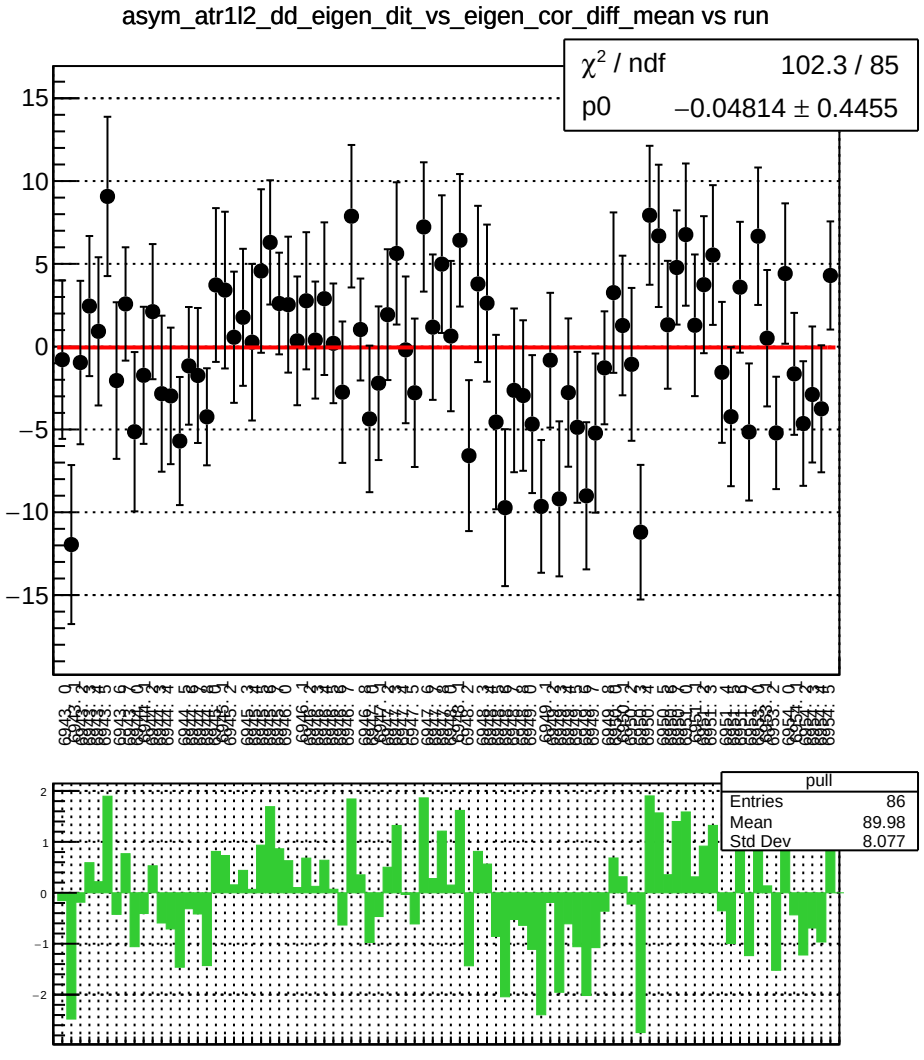

pull1D
Entries 86
Mean −0.01857
Std Dev 1.036

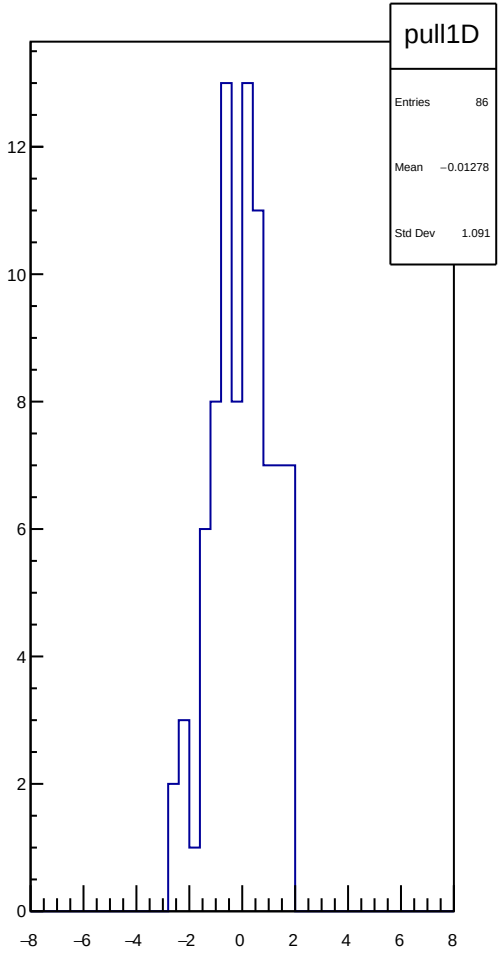

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5949 / 85
p0 0.01091 ± 8.494e–06
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

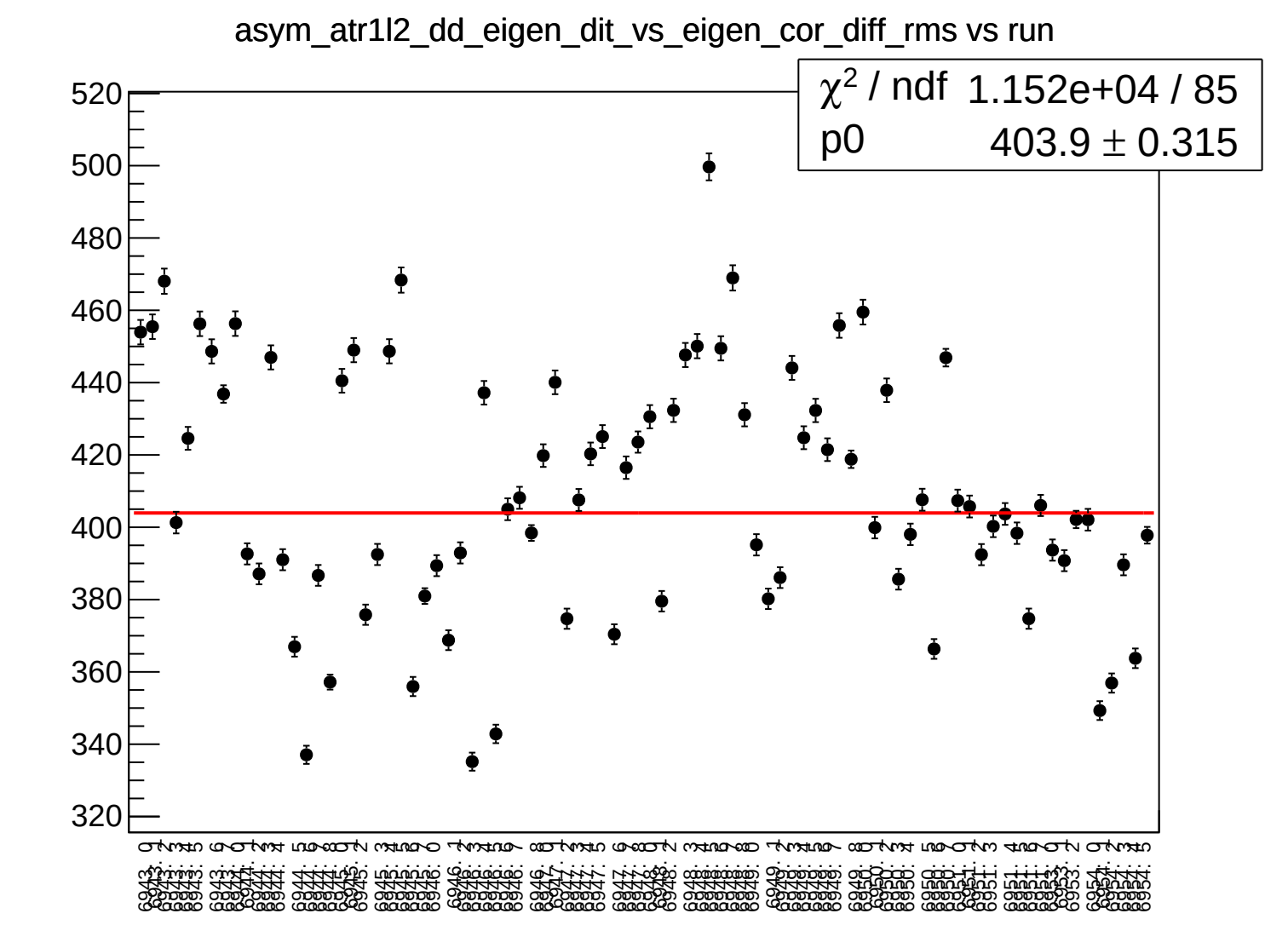

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.3 / 85
p0 −0.04814 ± 0.4455
pull
Entries 86
Mean 89.98
Std Dev 8.077

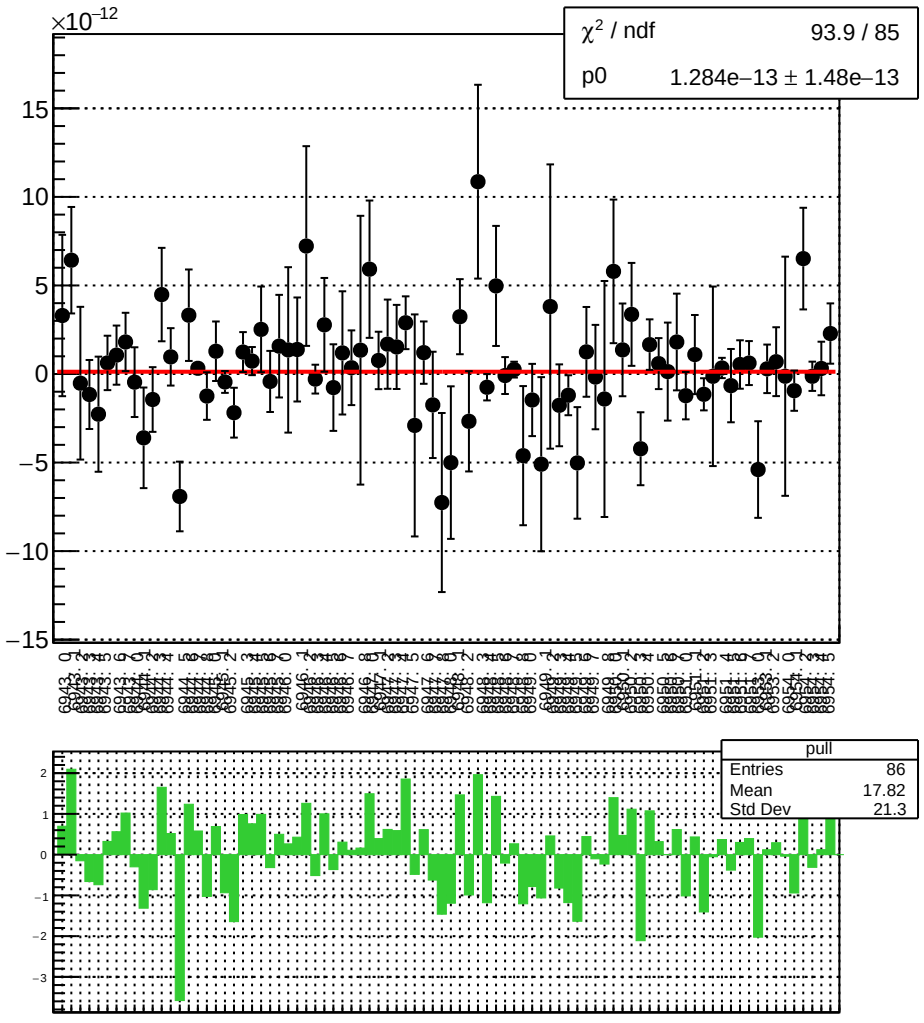

pull1D
Entries 86
Mean −0.01278
Std Dev 1.091

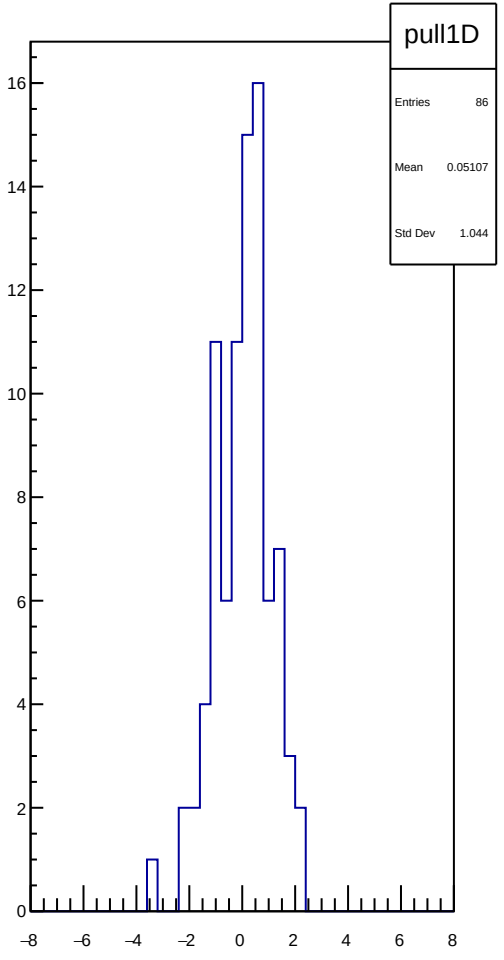

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.152e+04 / 85
p0 403.9 ± 0.315
520
500
480
460
440
420
400
380
360
340
320

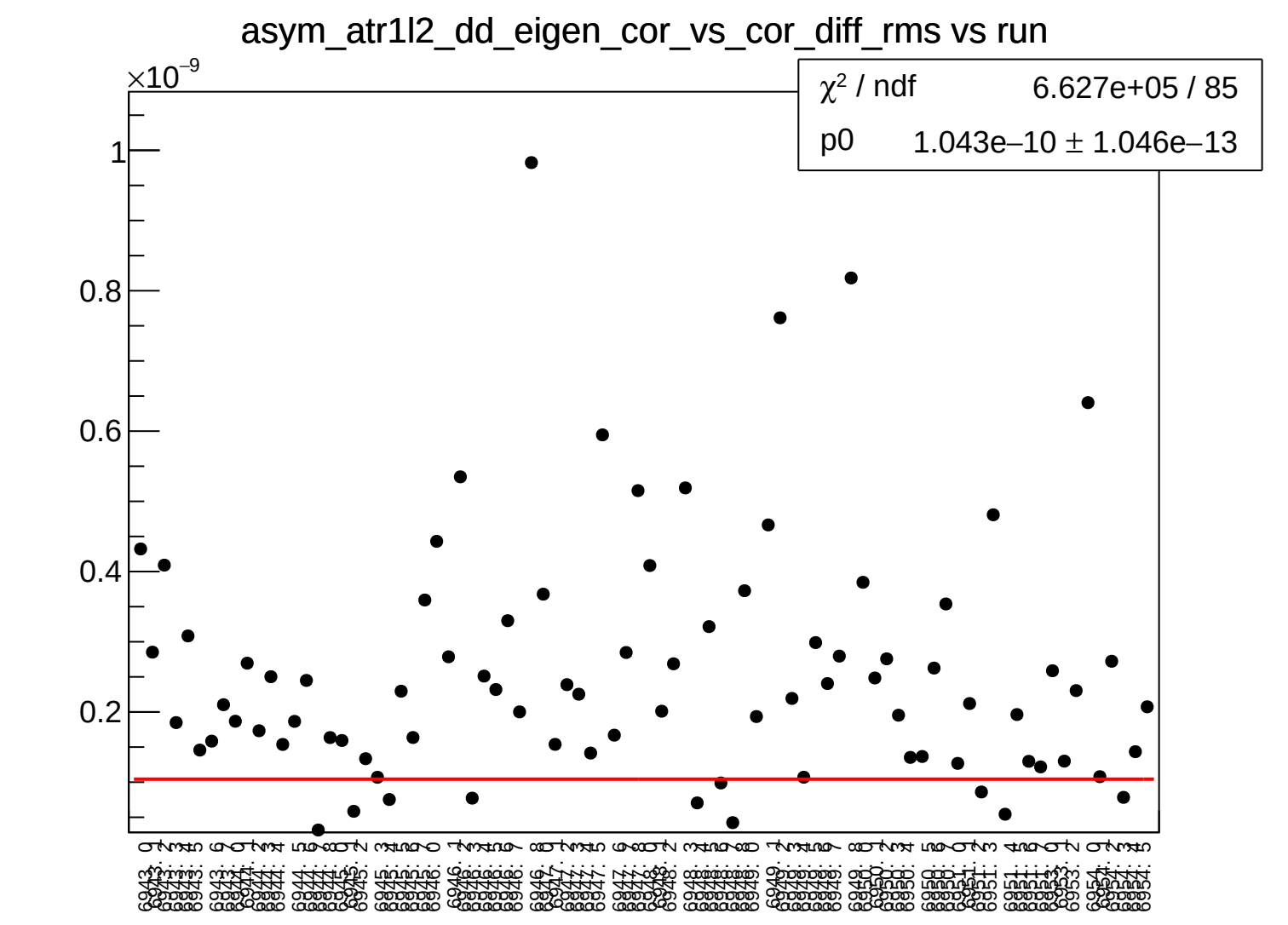

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.3 / 85
p0 −0.04814 ± 0.4455
pull
Entries 86
Mean 89.98
Std Dev 8.077

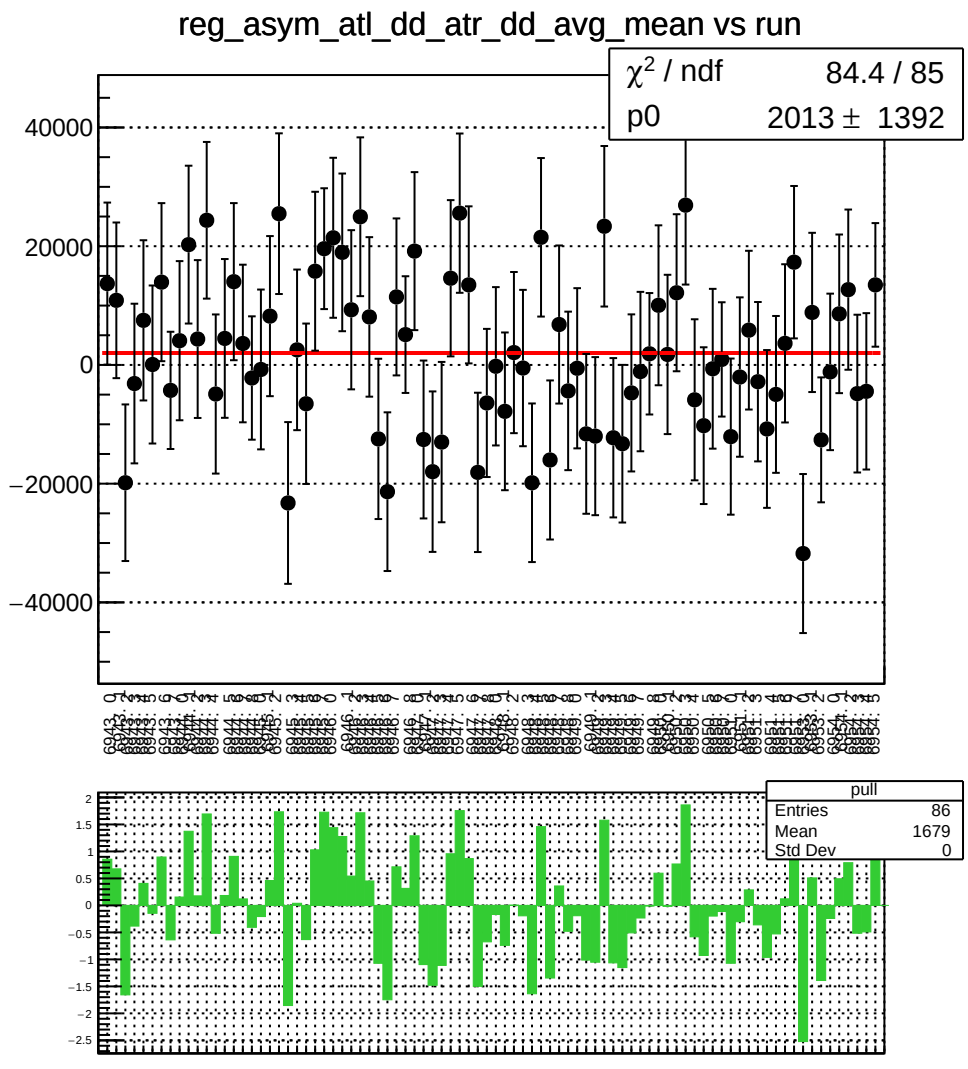

pull1D
Entries 86
Mean −0.01278
Std Dev 1.091

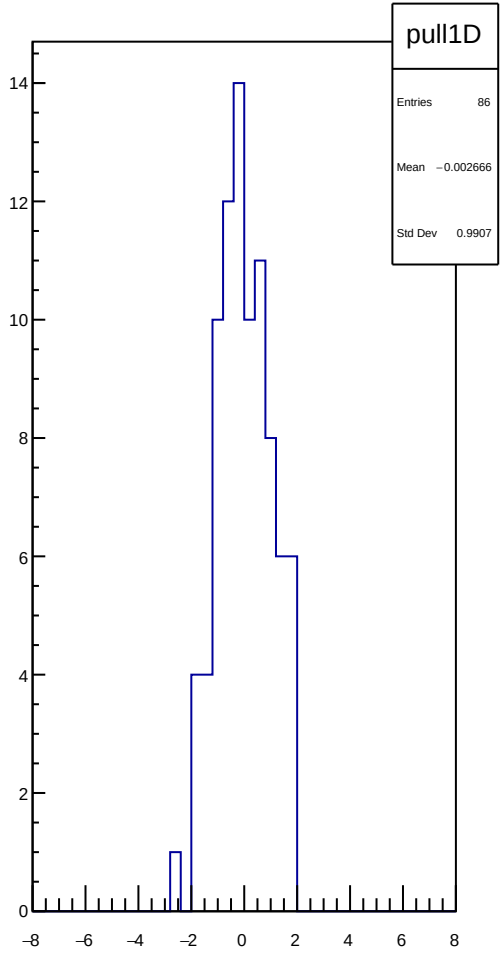

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.152e+04 / 85
p0 403.9 ± 0.315
520
500
480
460
440
420
400
380
360
340
320

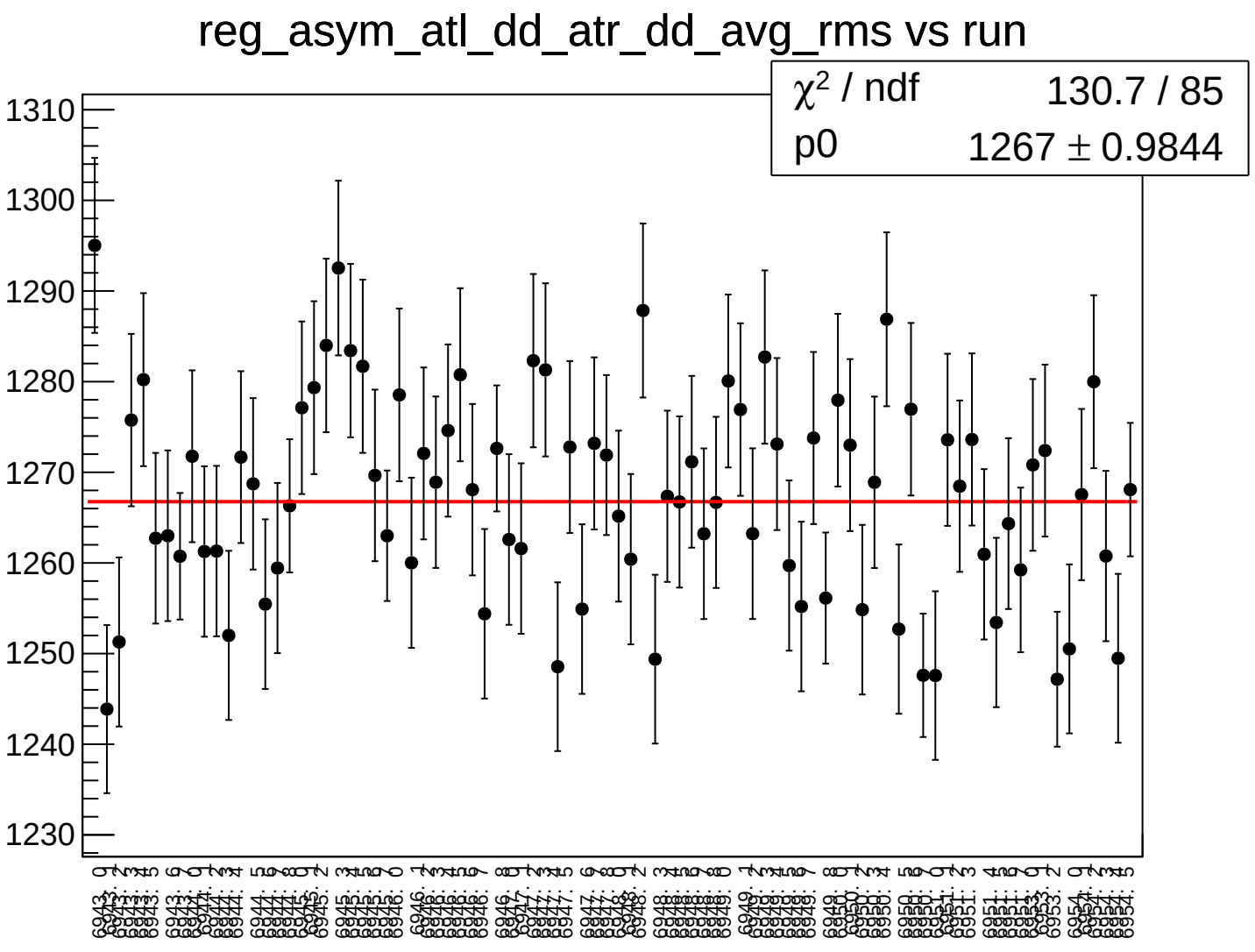

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.9 / 85
p0 1.284e−13 ± 1.48e−13
15
10
5
0
−5
−10
−15
pull
Entries 86
Mean 17.82
Std Dev 21.3
2
1
0
−1
−2
−3

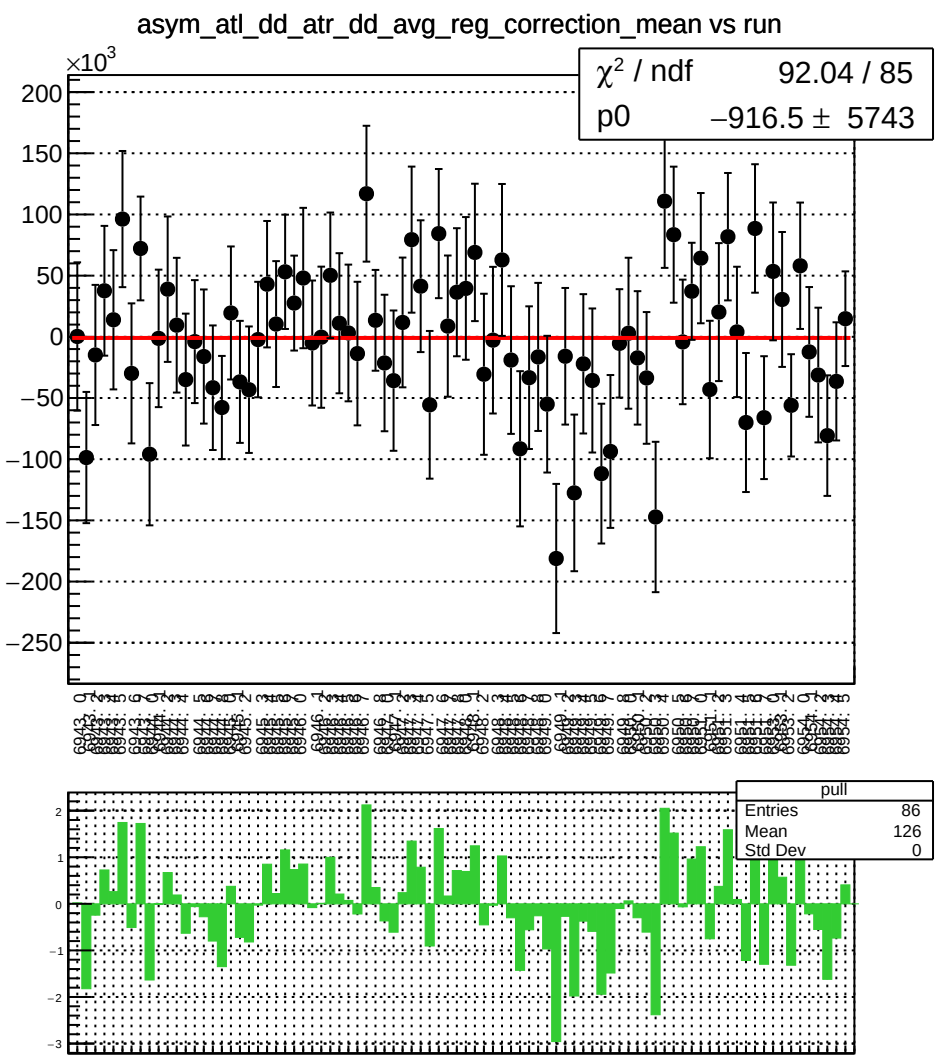

pull1D
Entries 86
Mean 0.05107
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

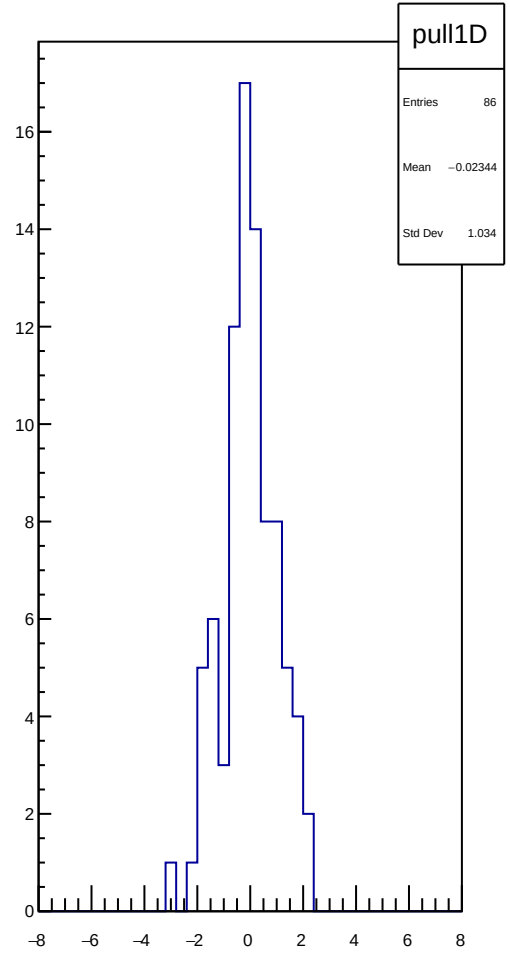

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.627e+05 / 85
p0 1.043e−10 ± 1.046e−13
1
0.8
0.6
0.4
0.2

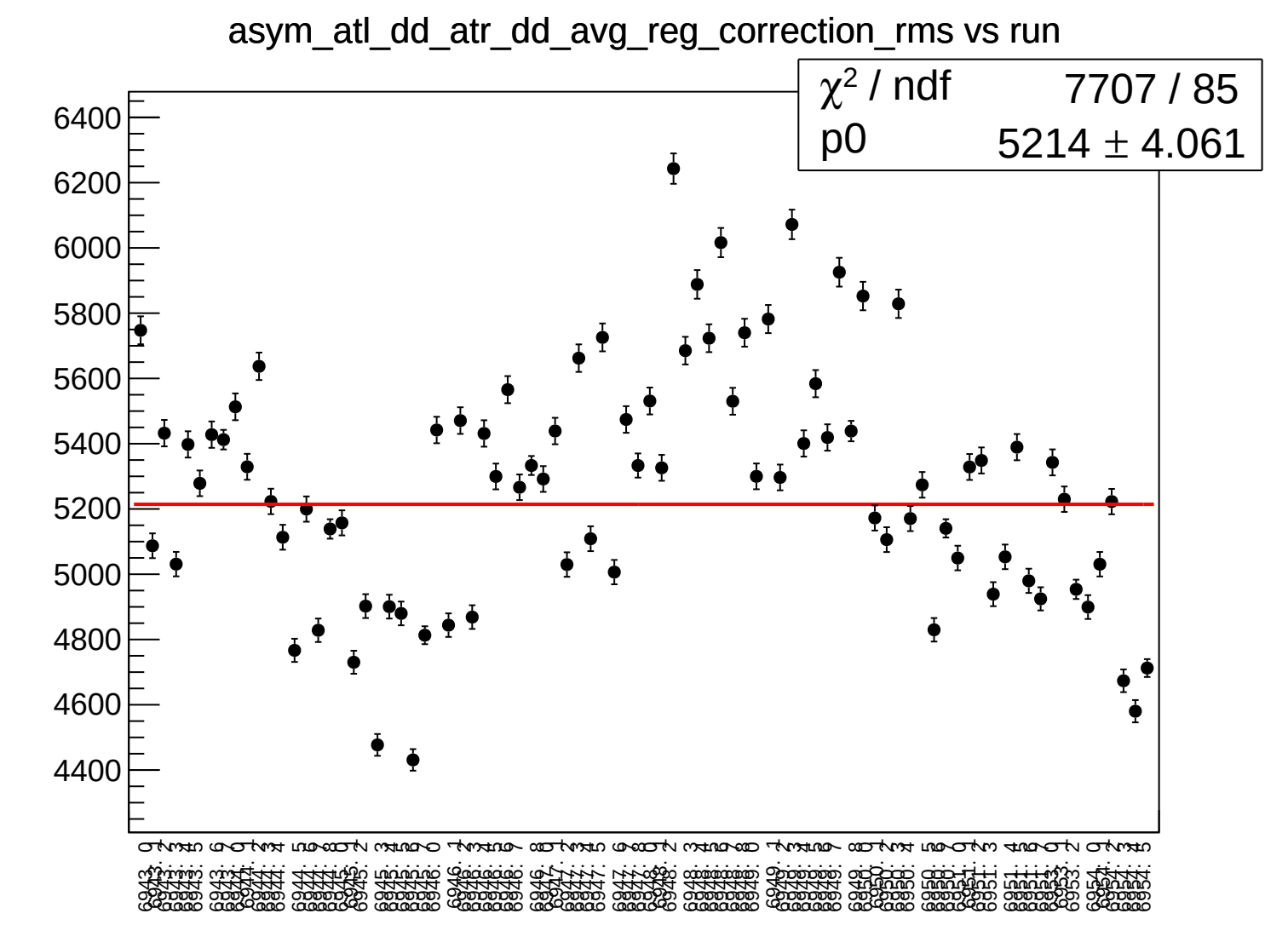

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

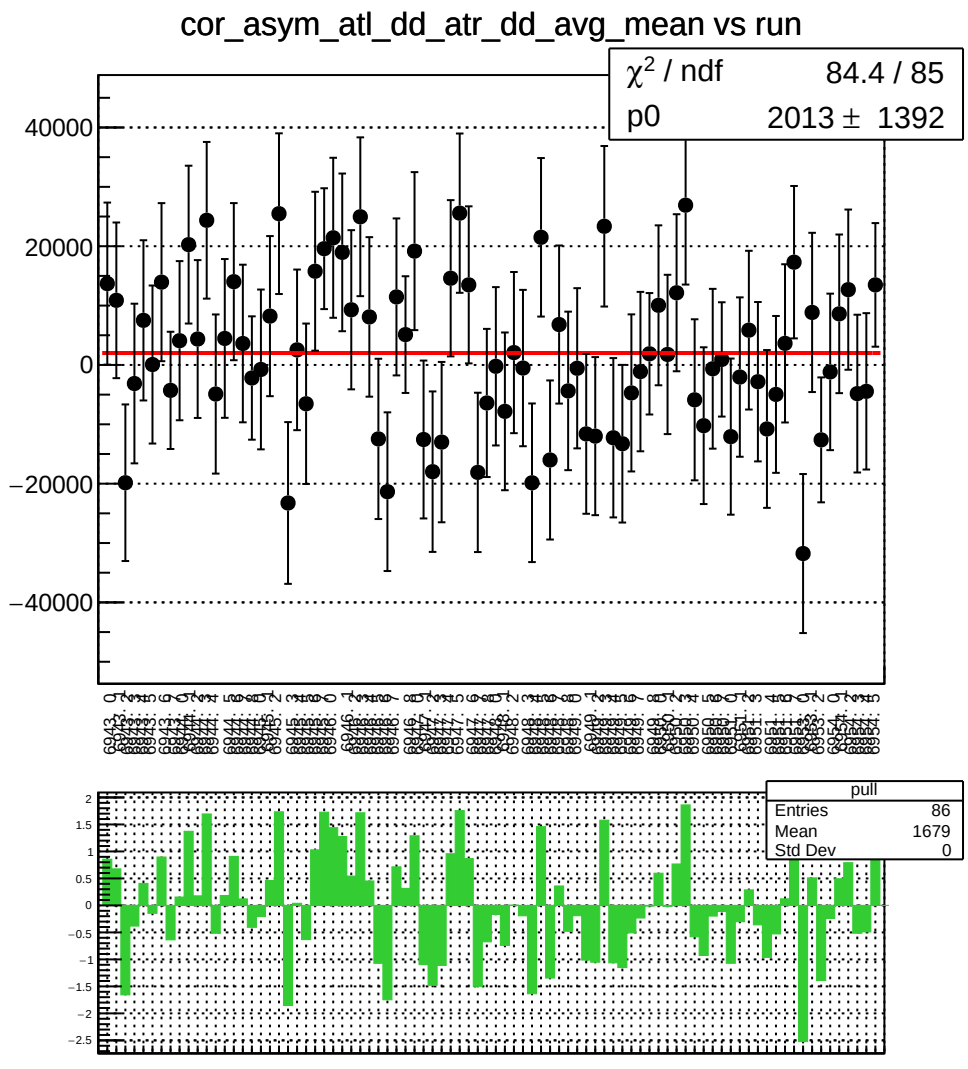

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

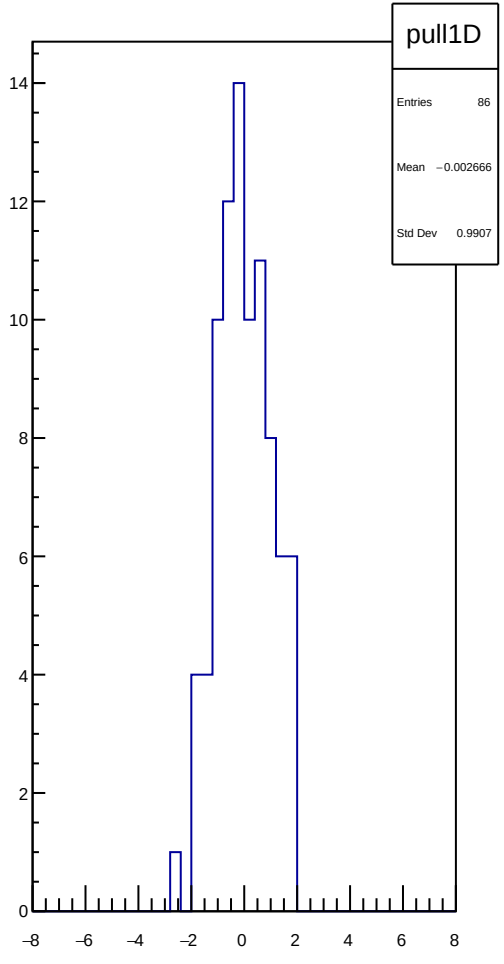

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

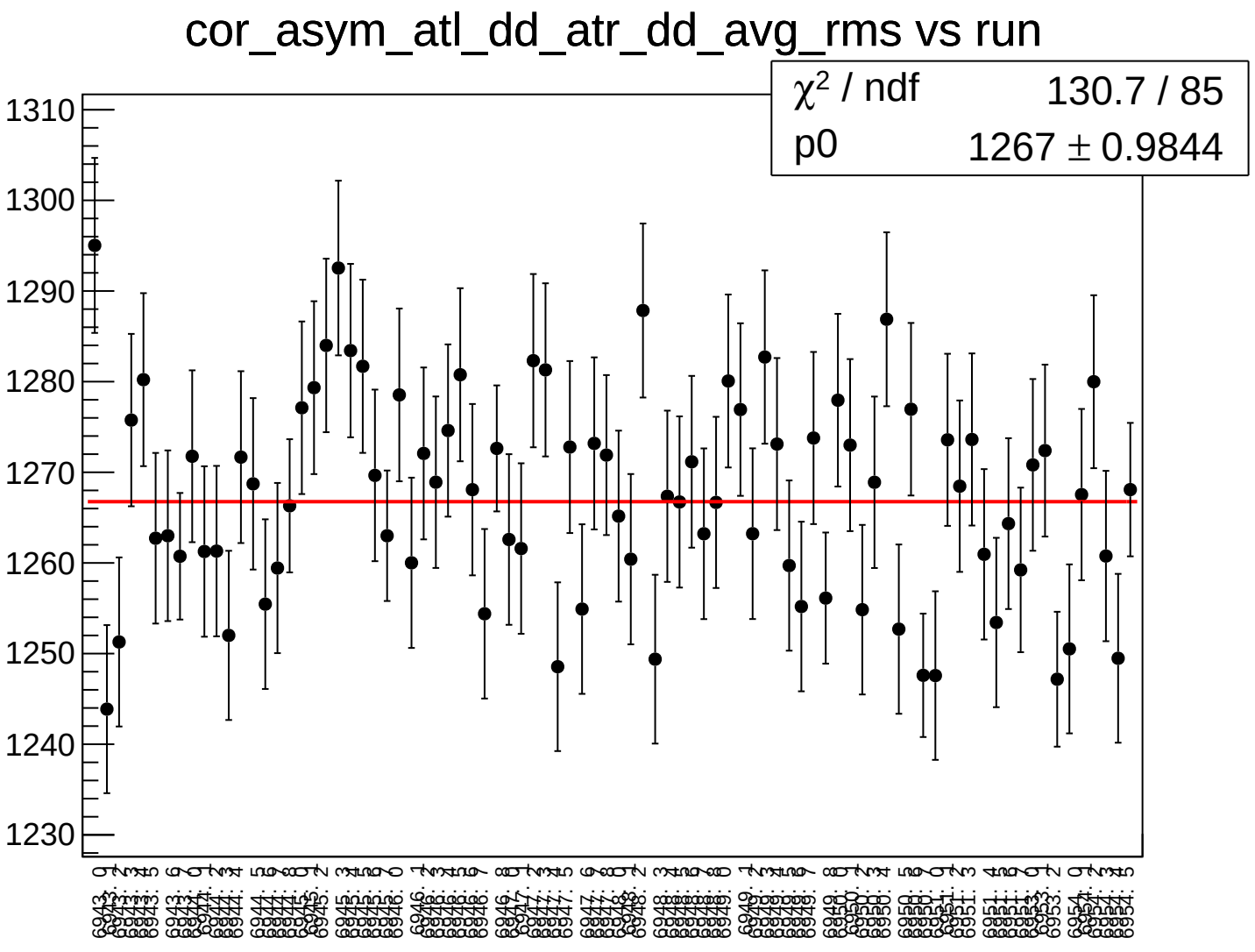

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.5 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

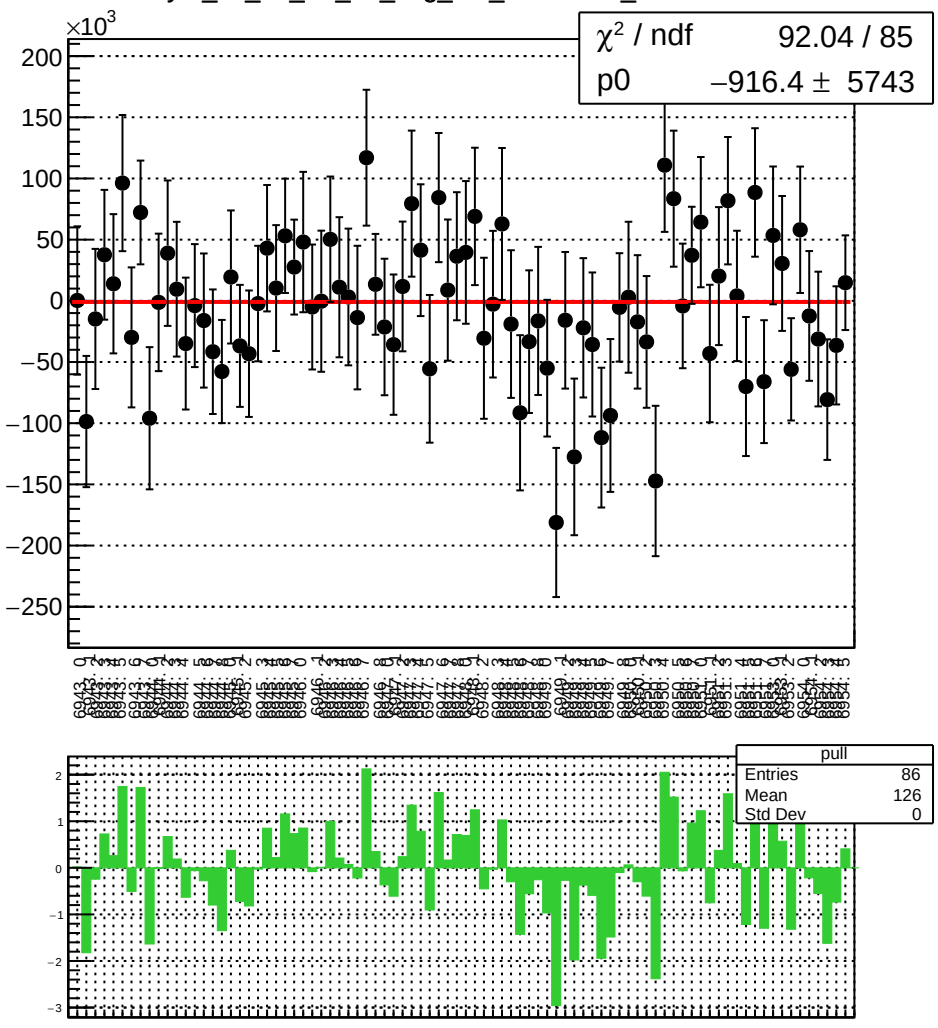

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

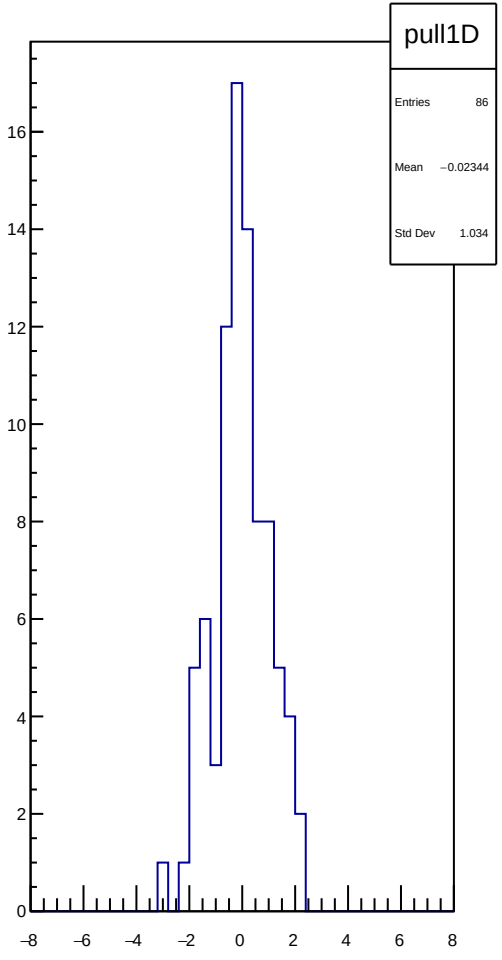

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 7707 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

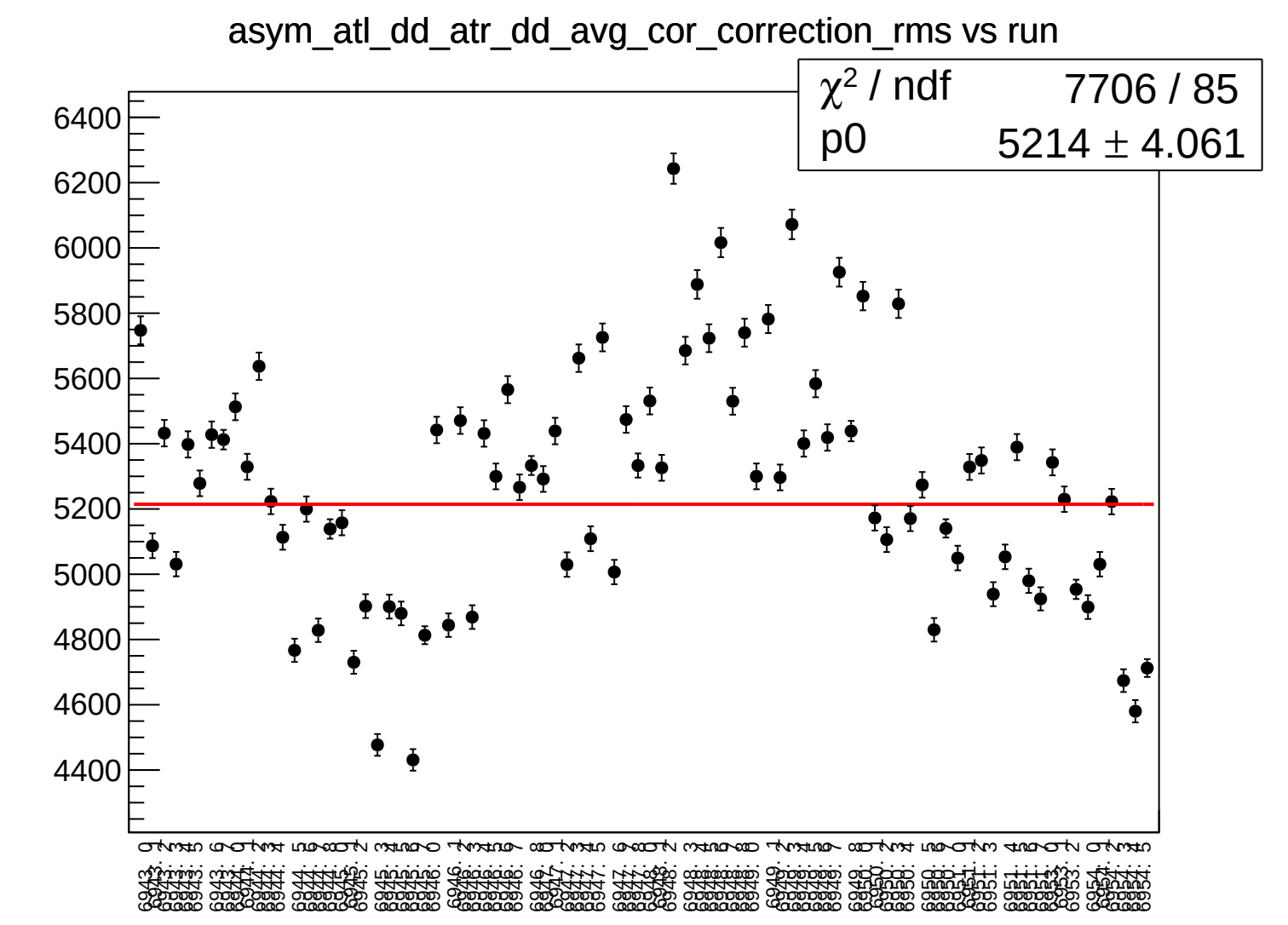

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

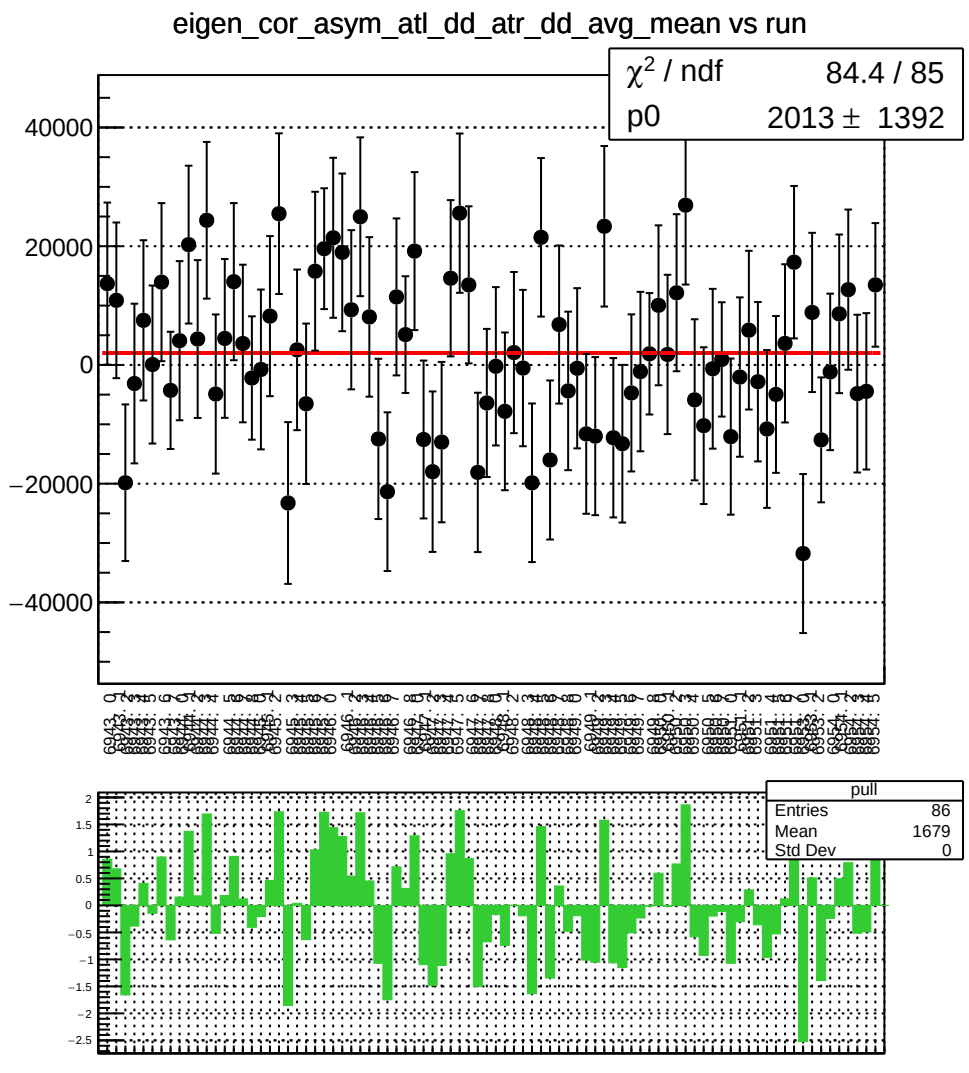

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

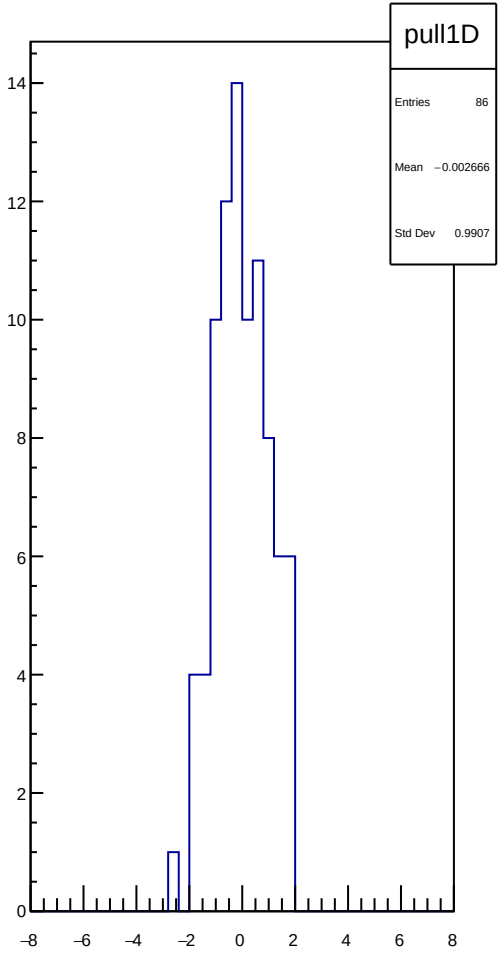

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

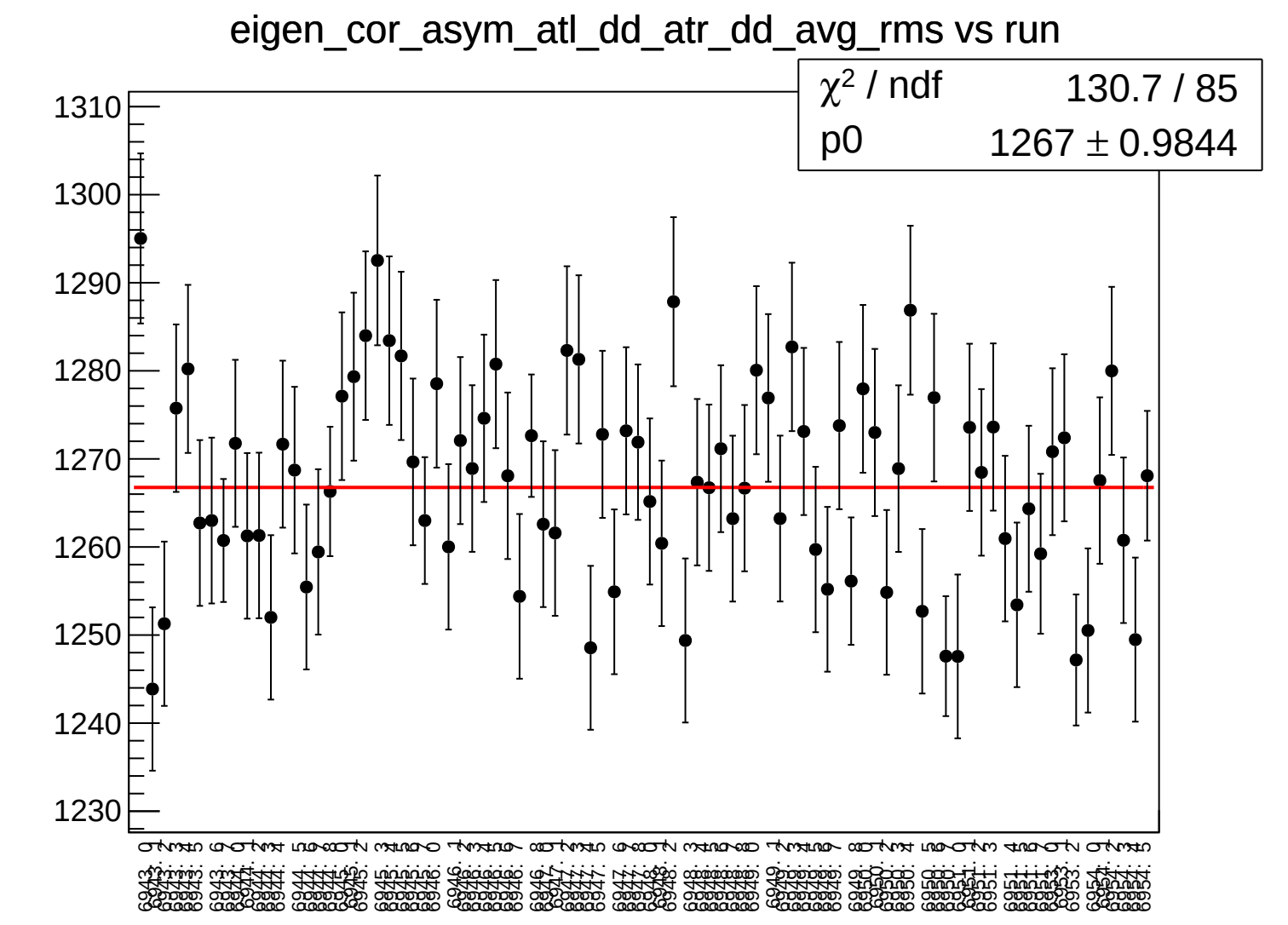

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

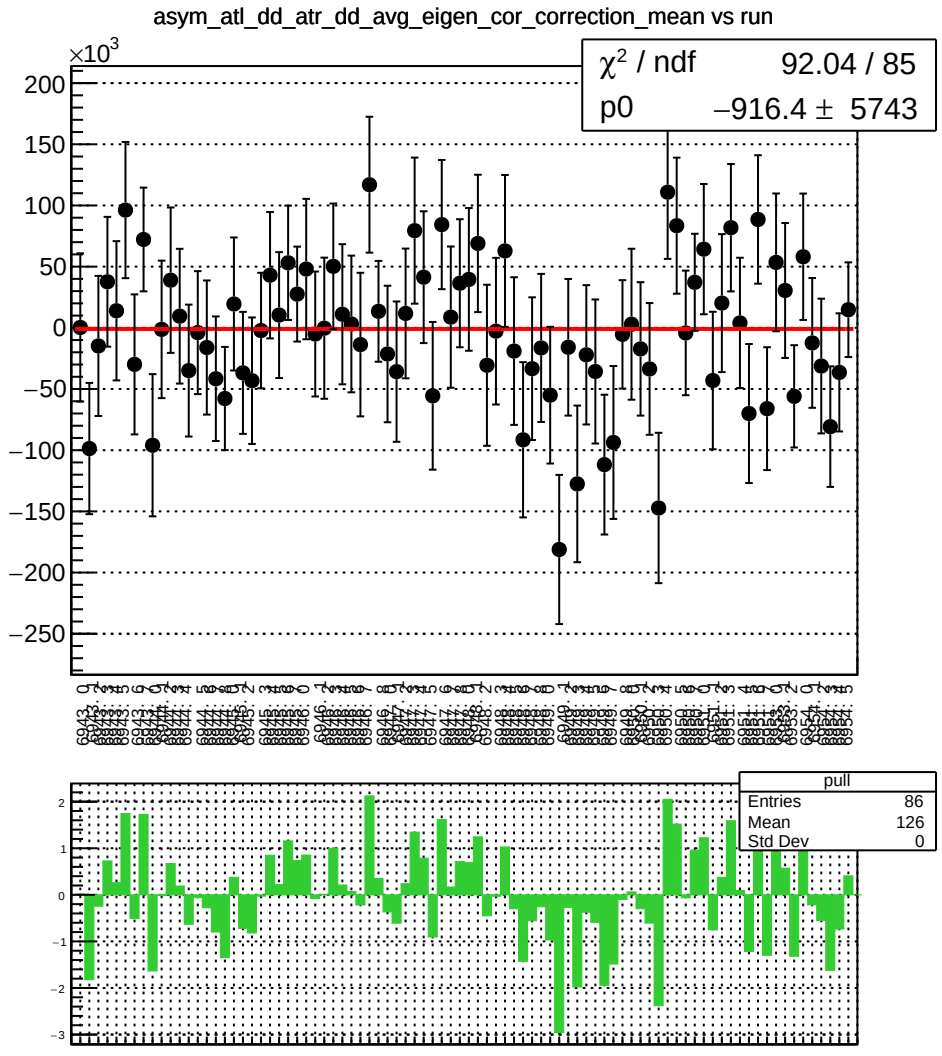

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

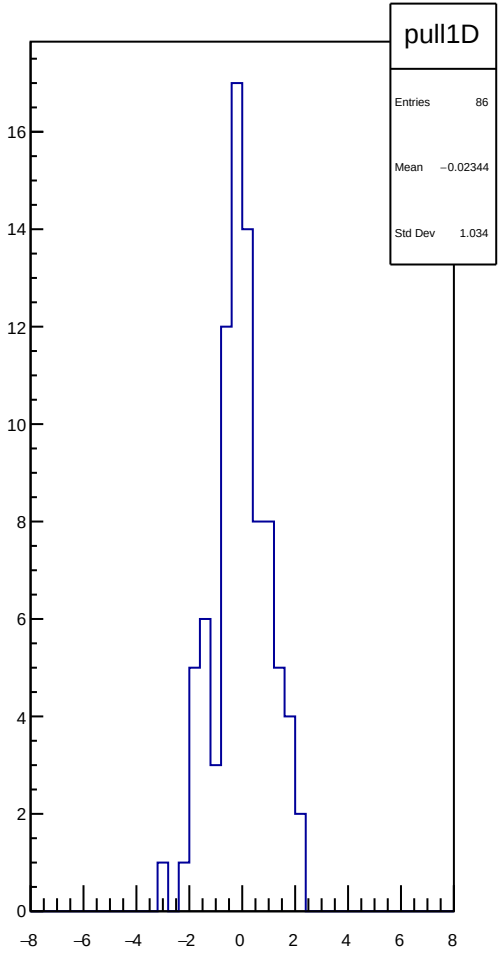

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

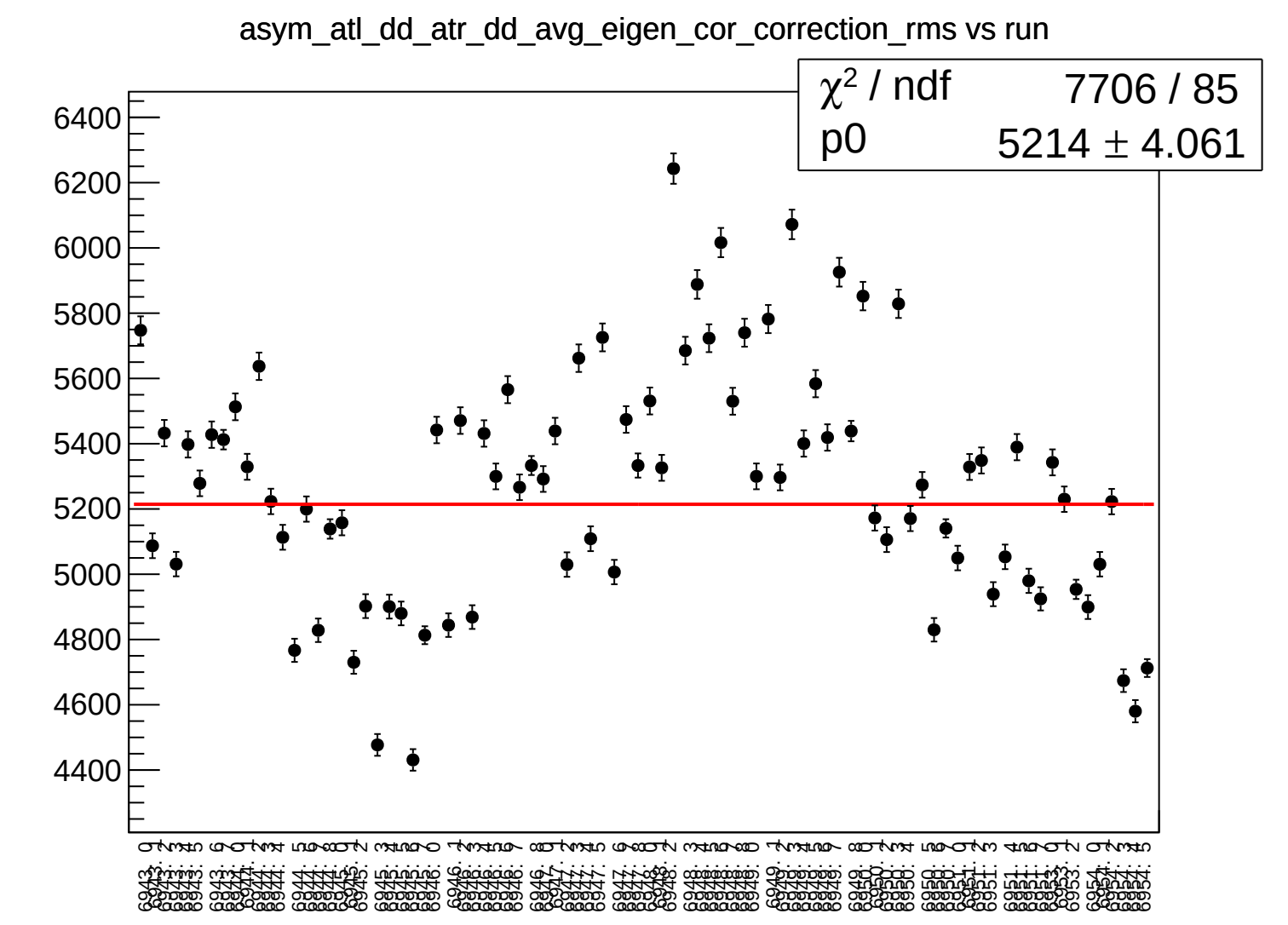

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

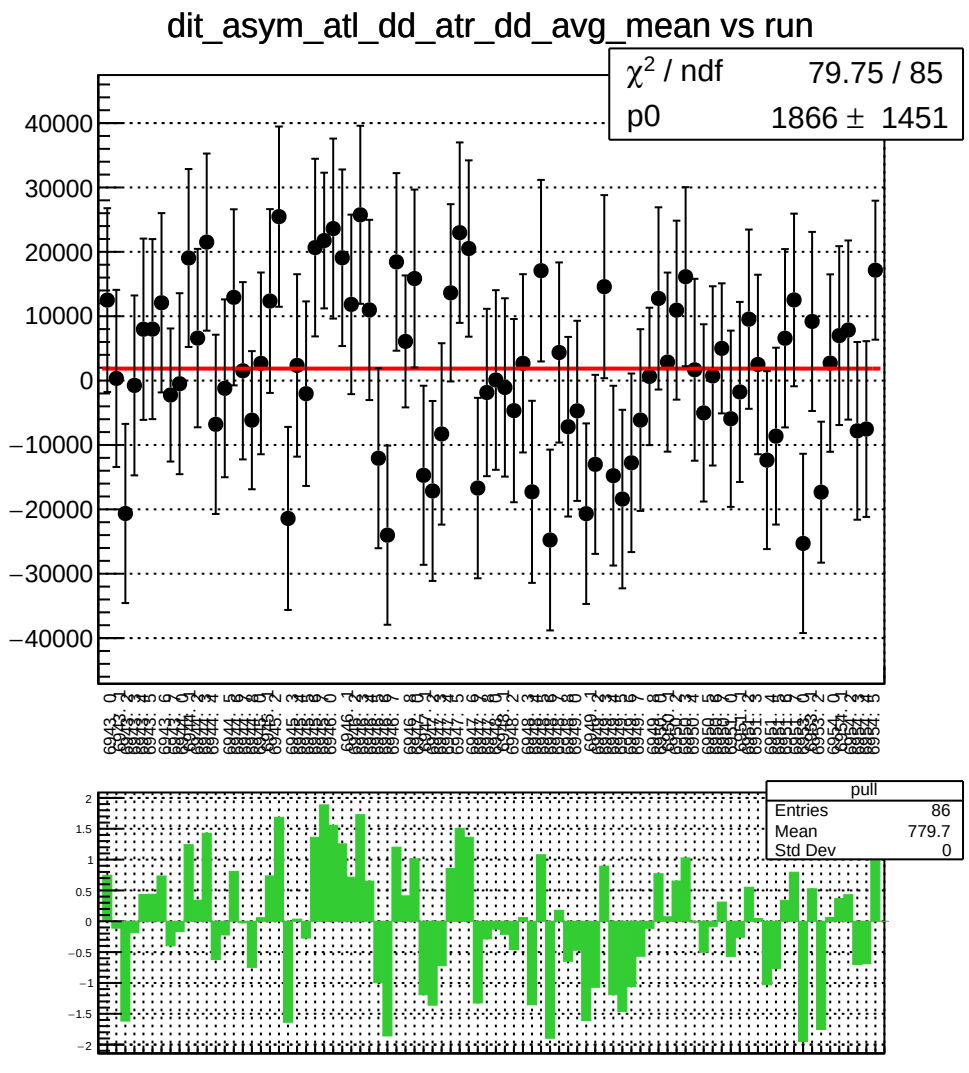

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

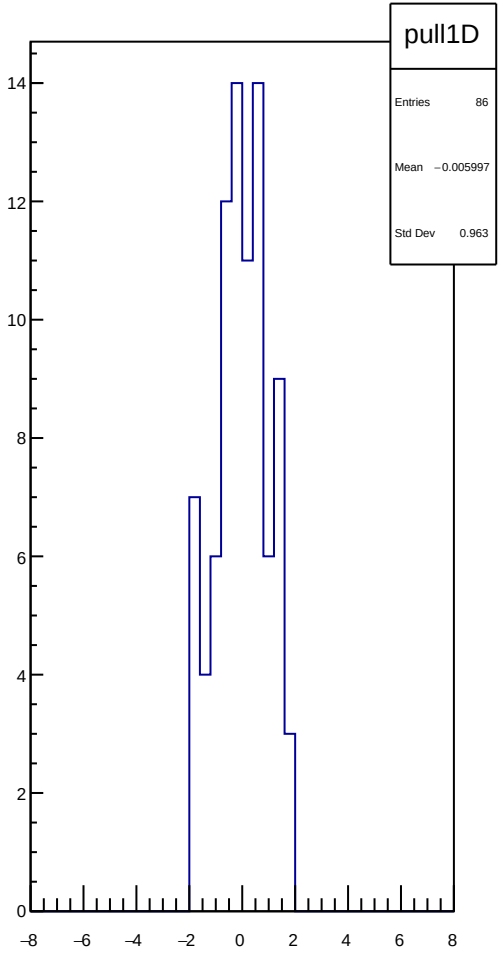

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

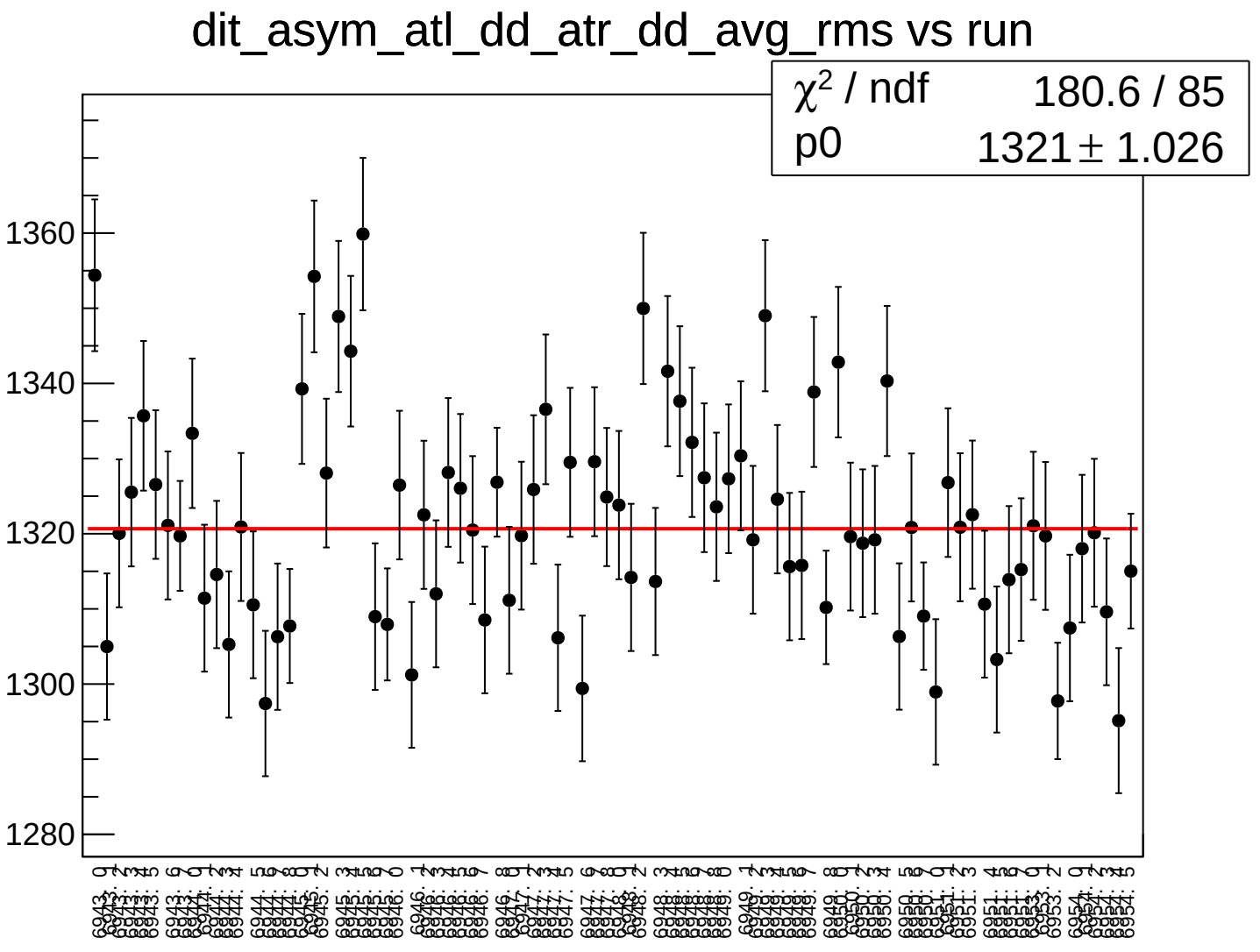

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

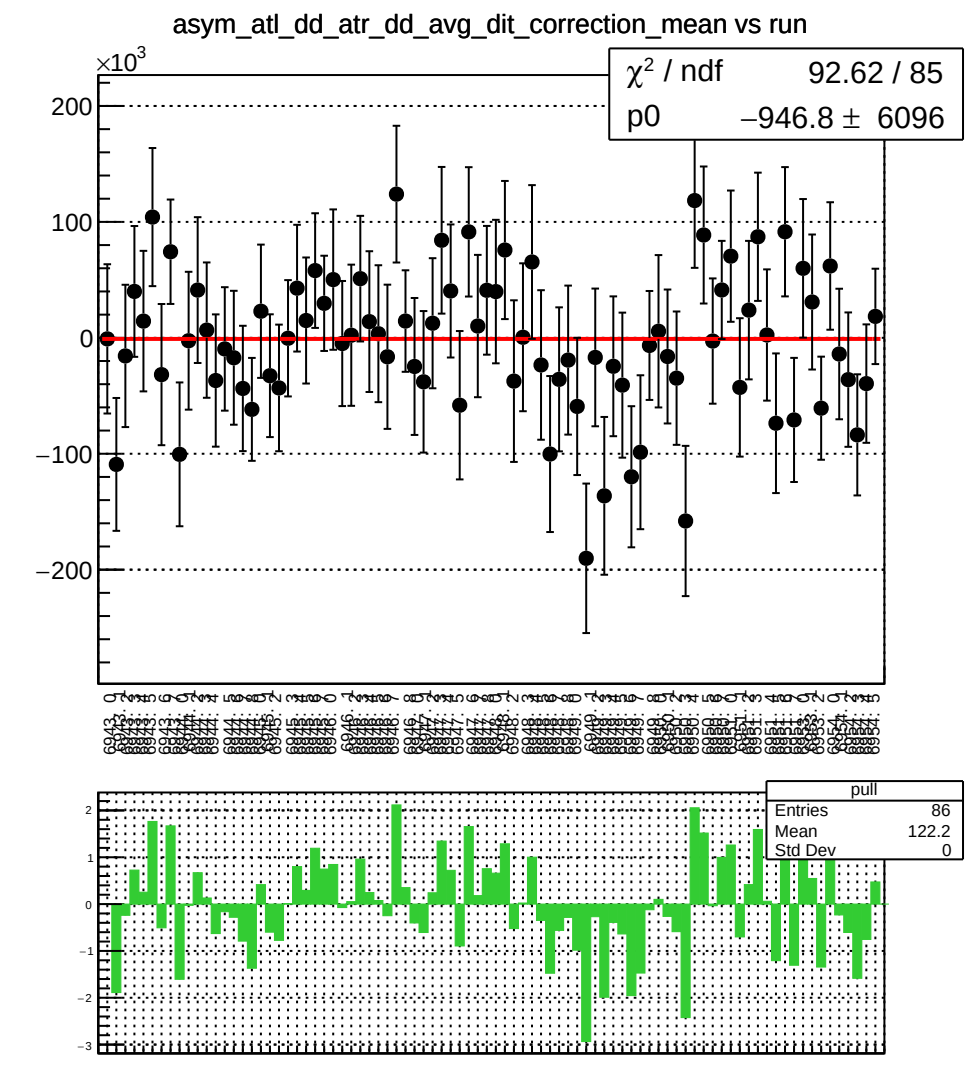

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

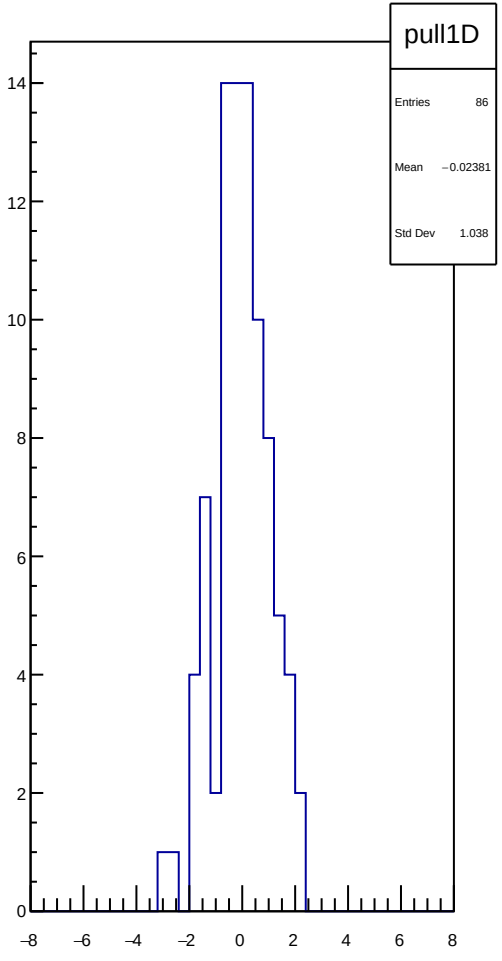

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

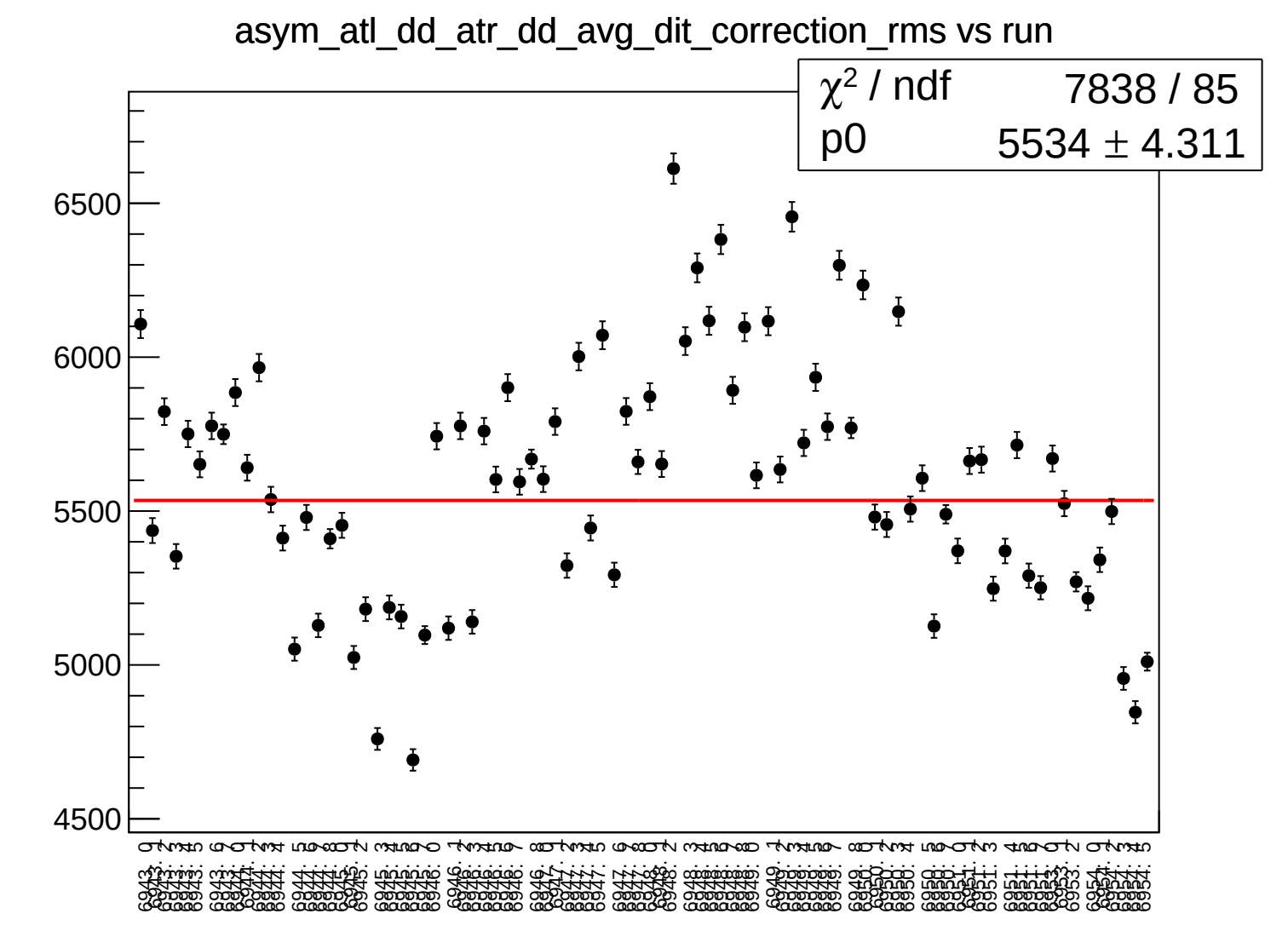

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

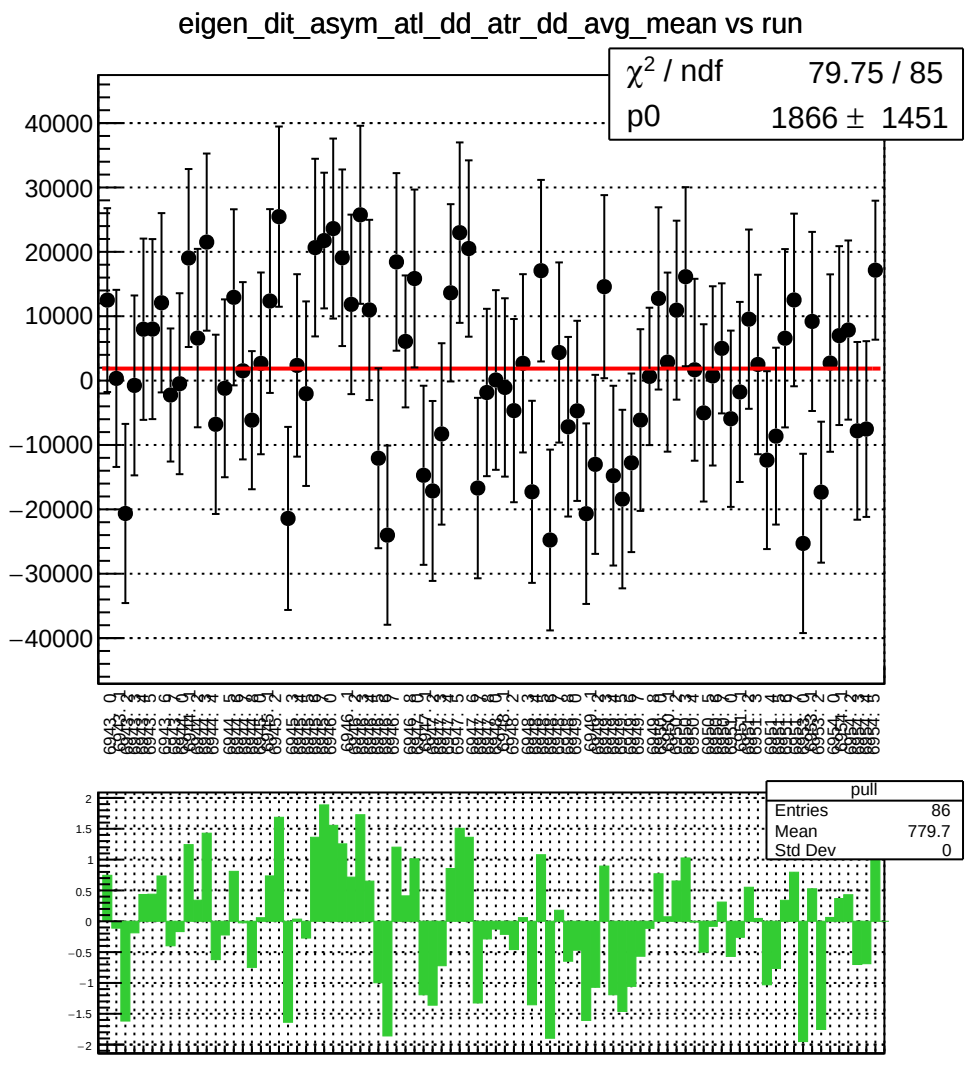

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

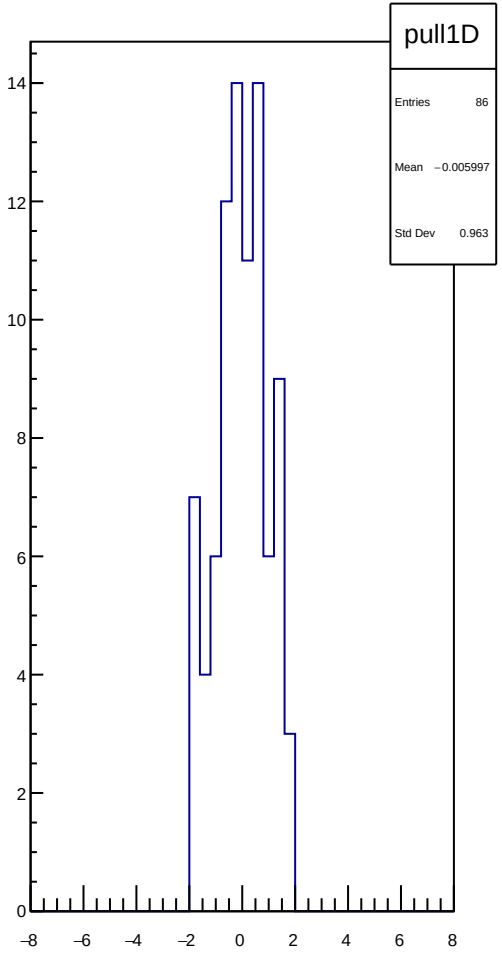

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

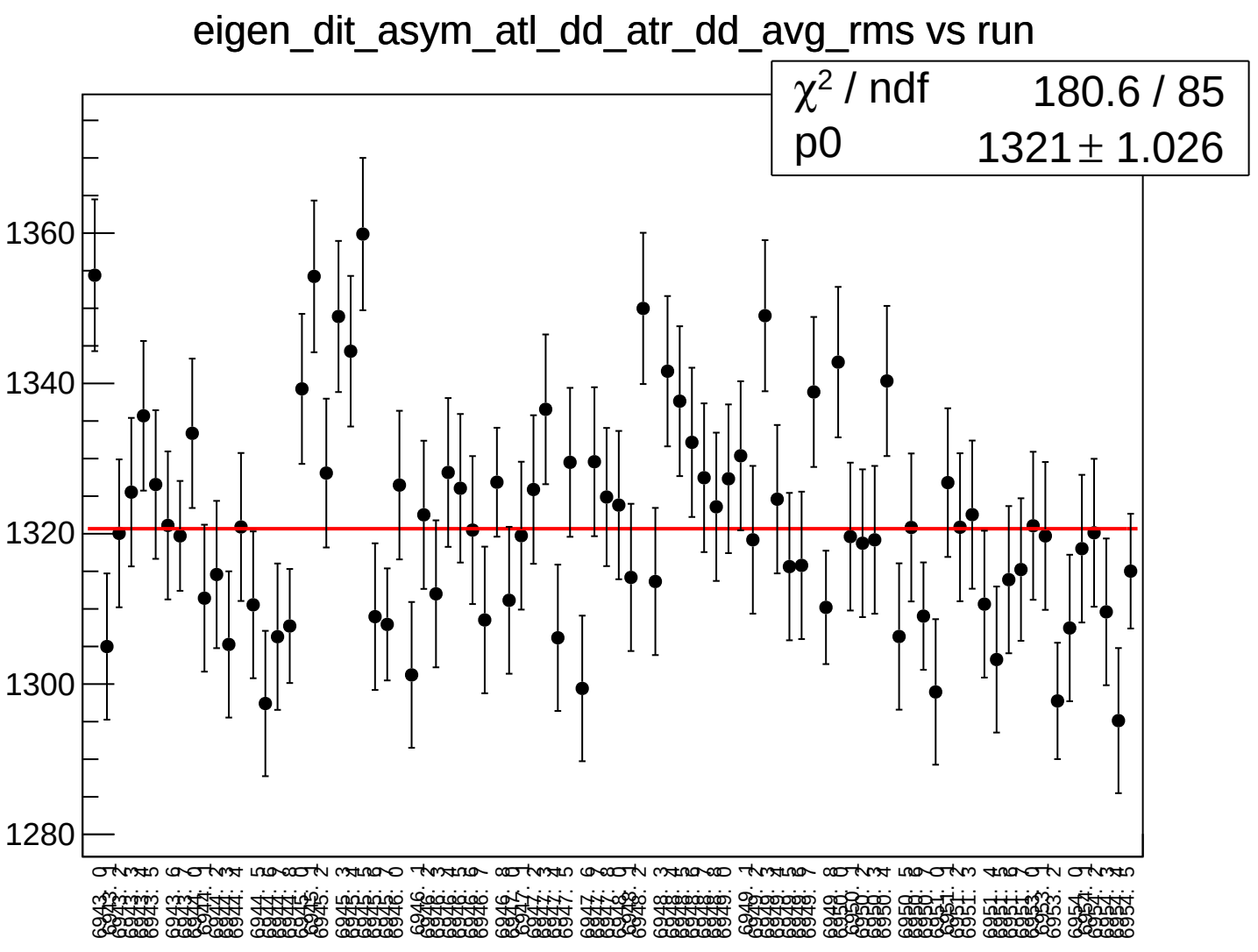

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3

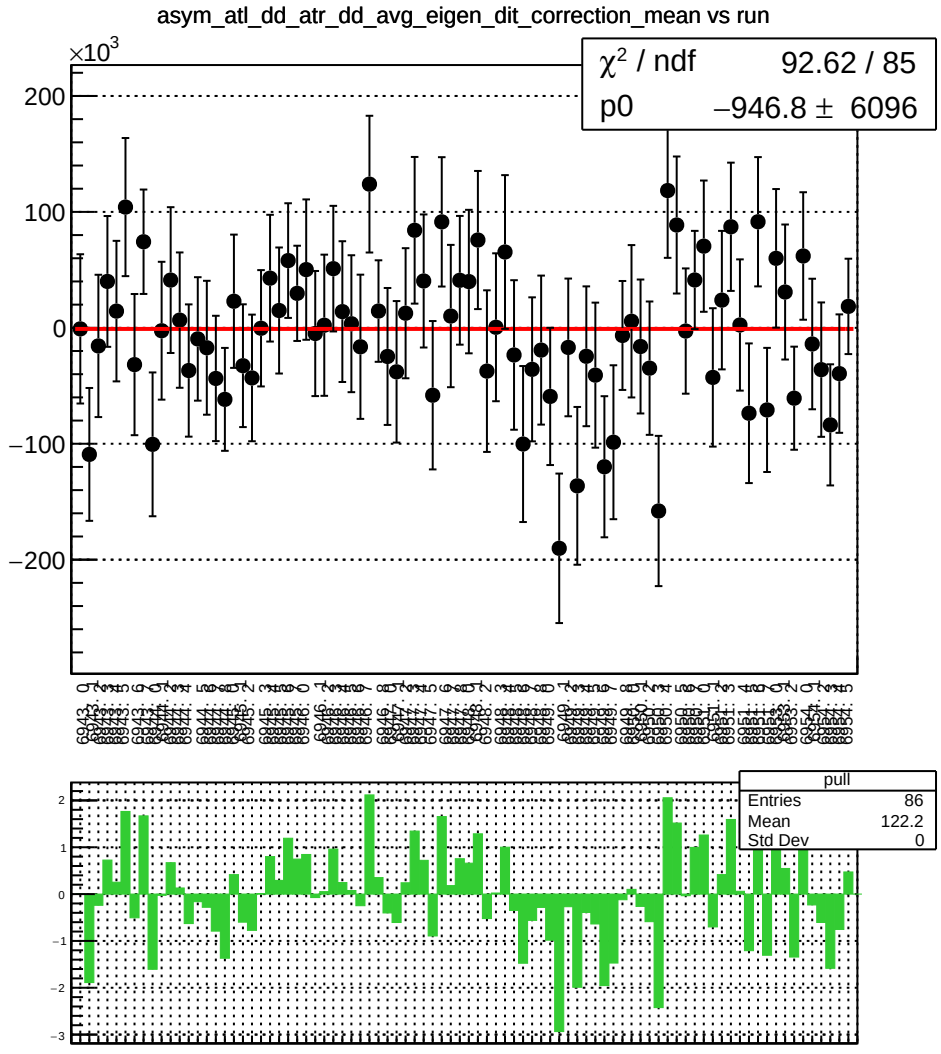

pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

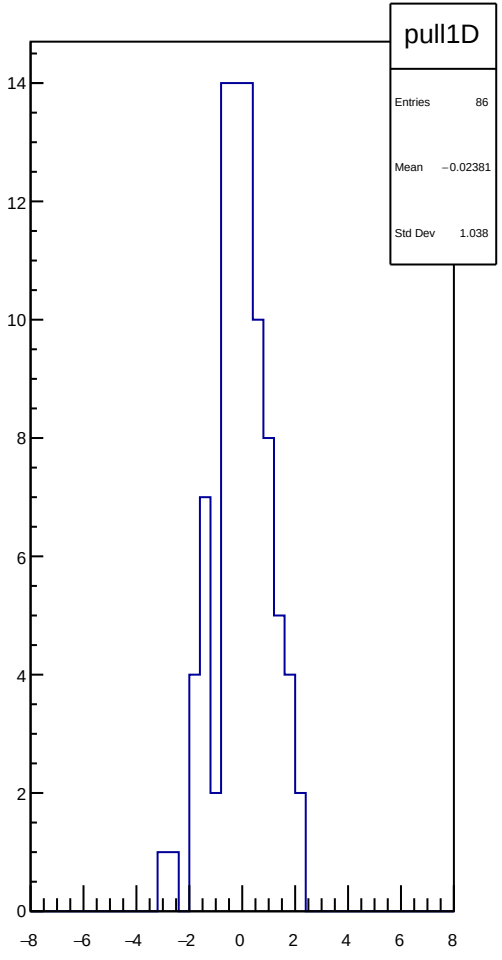

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

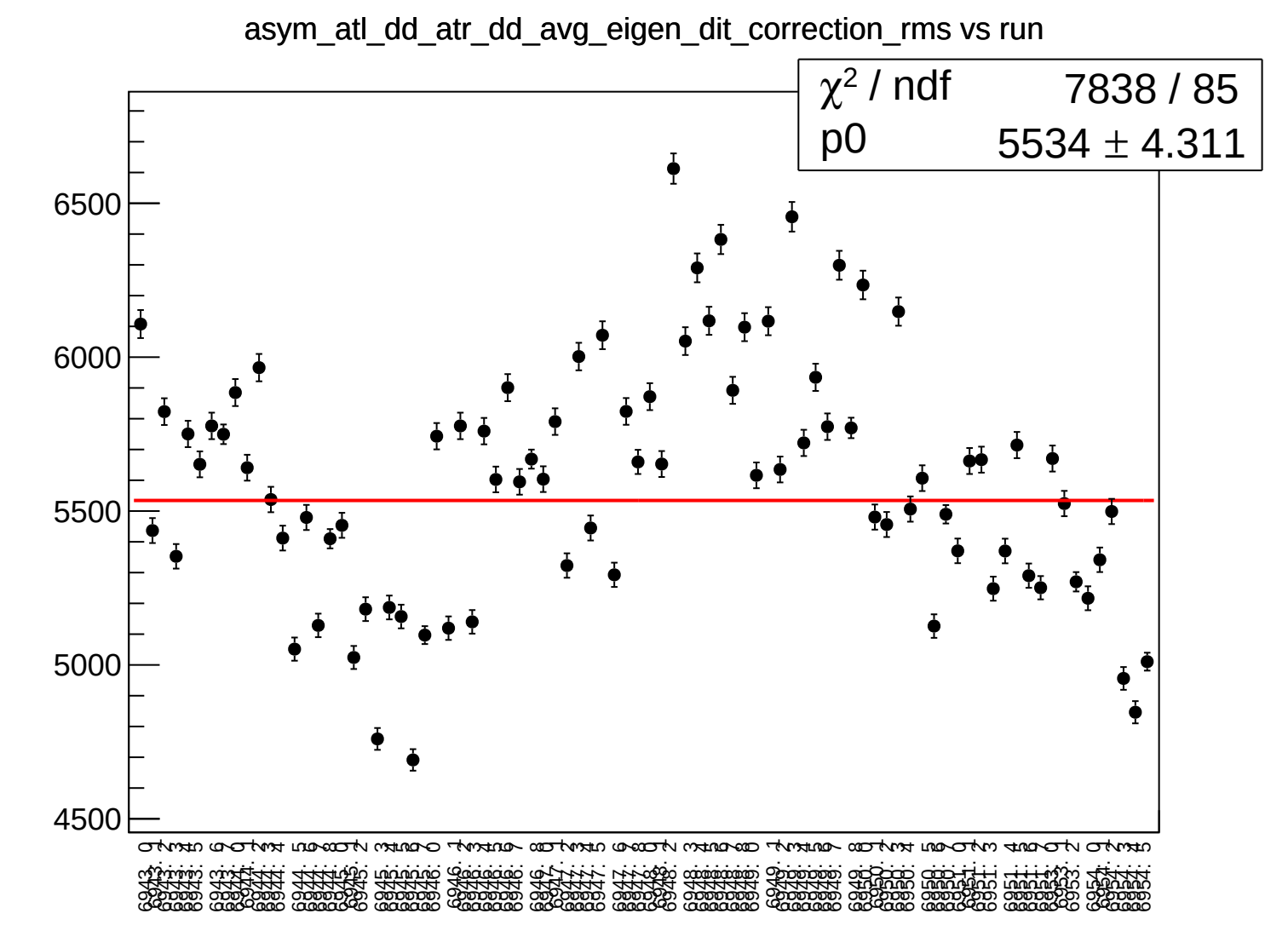

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

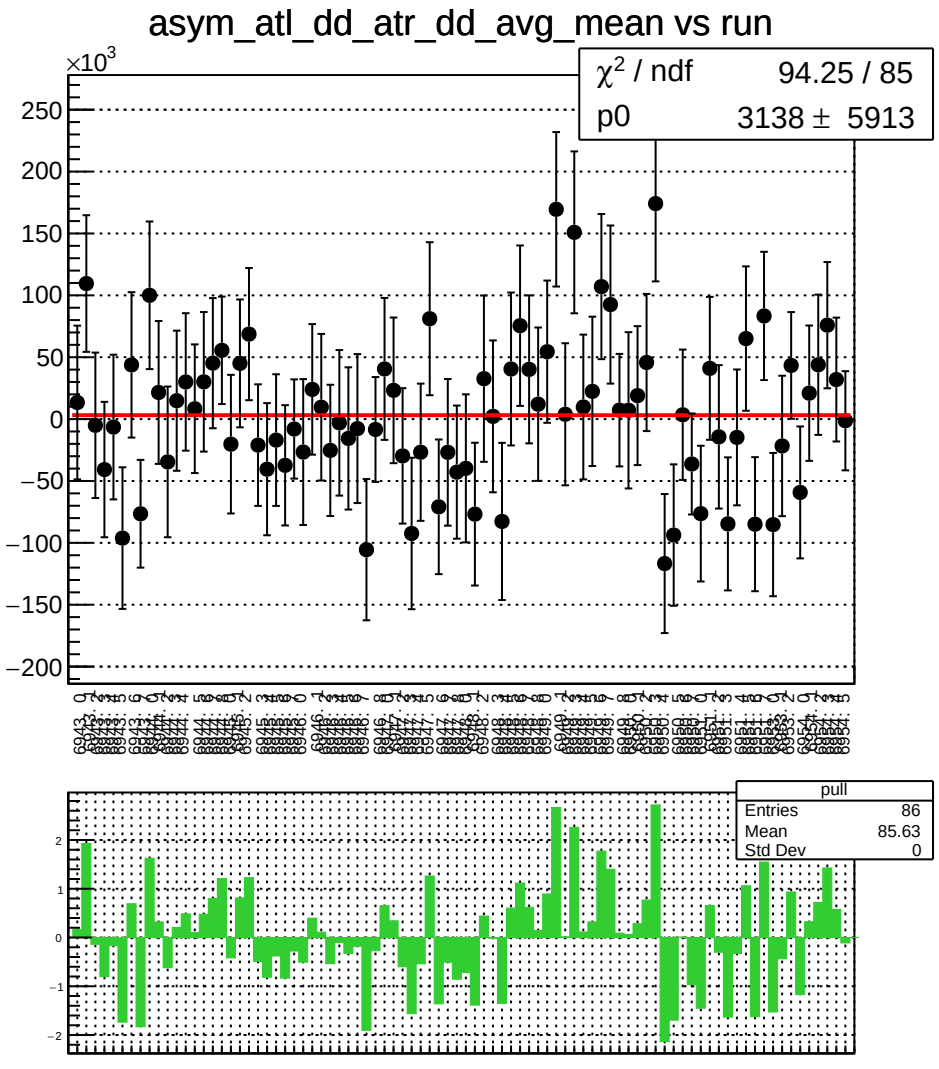

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

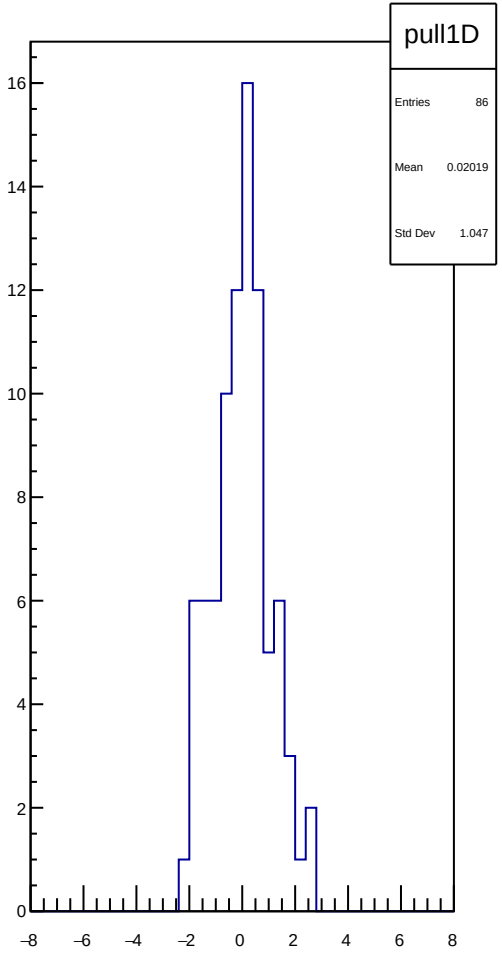

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

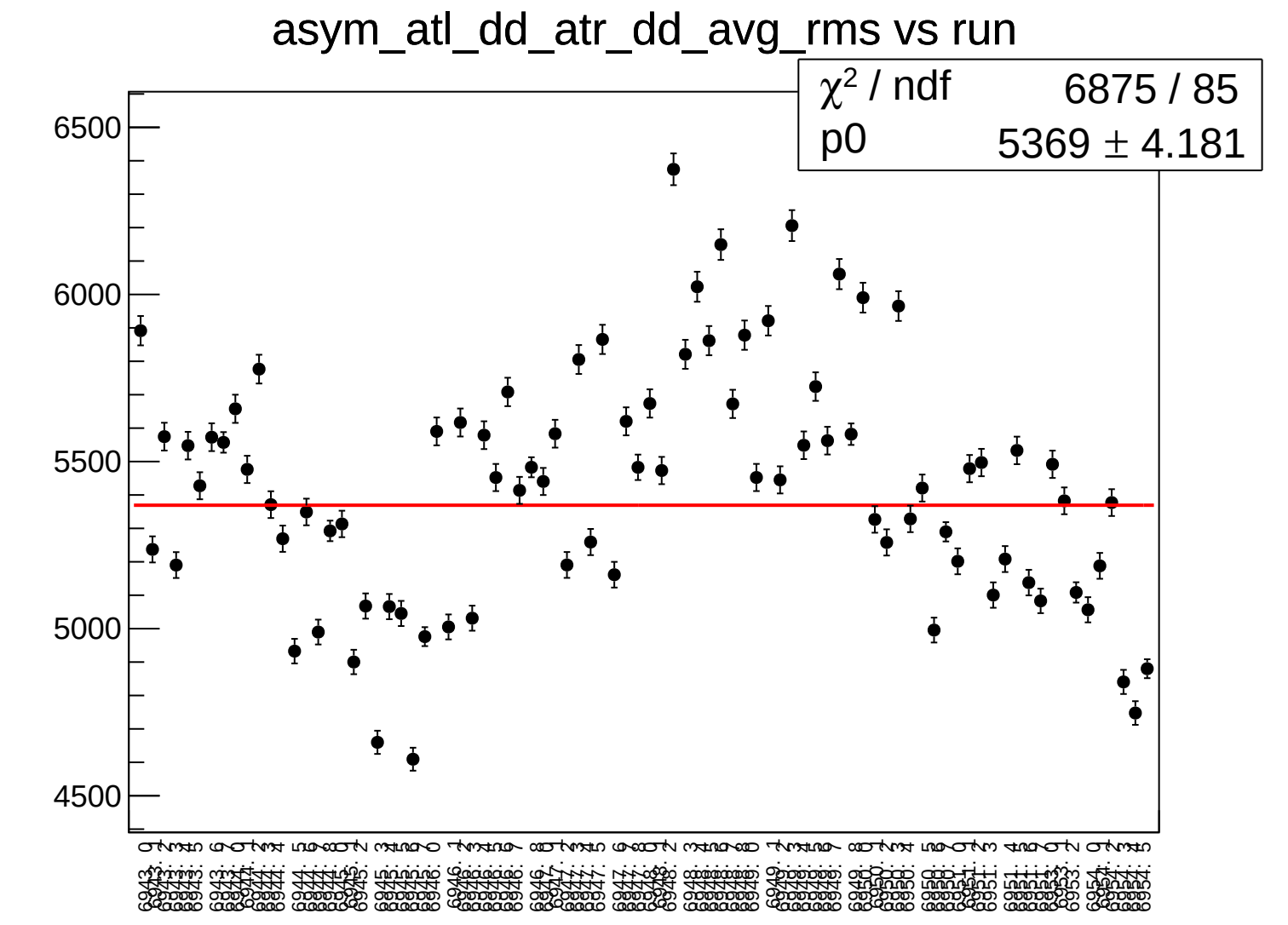

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3

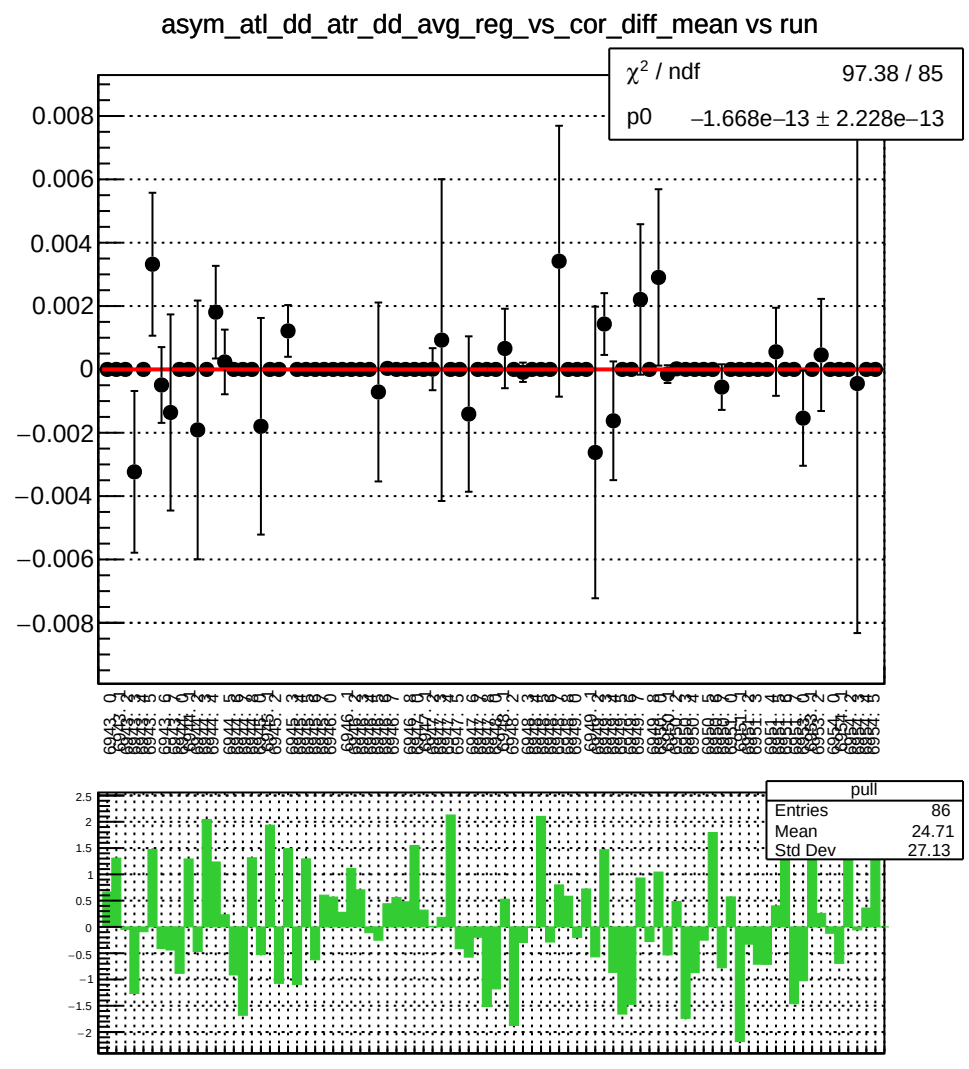

pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

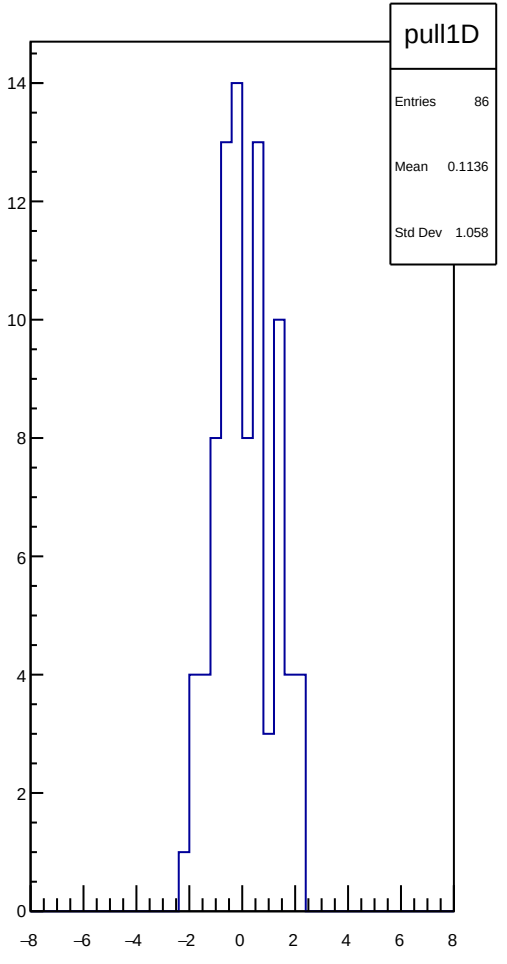

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

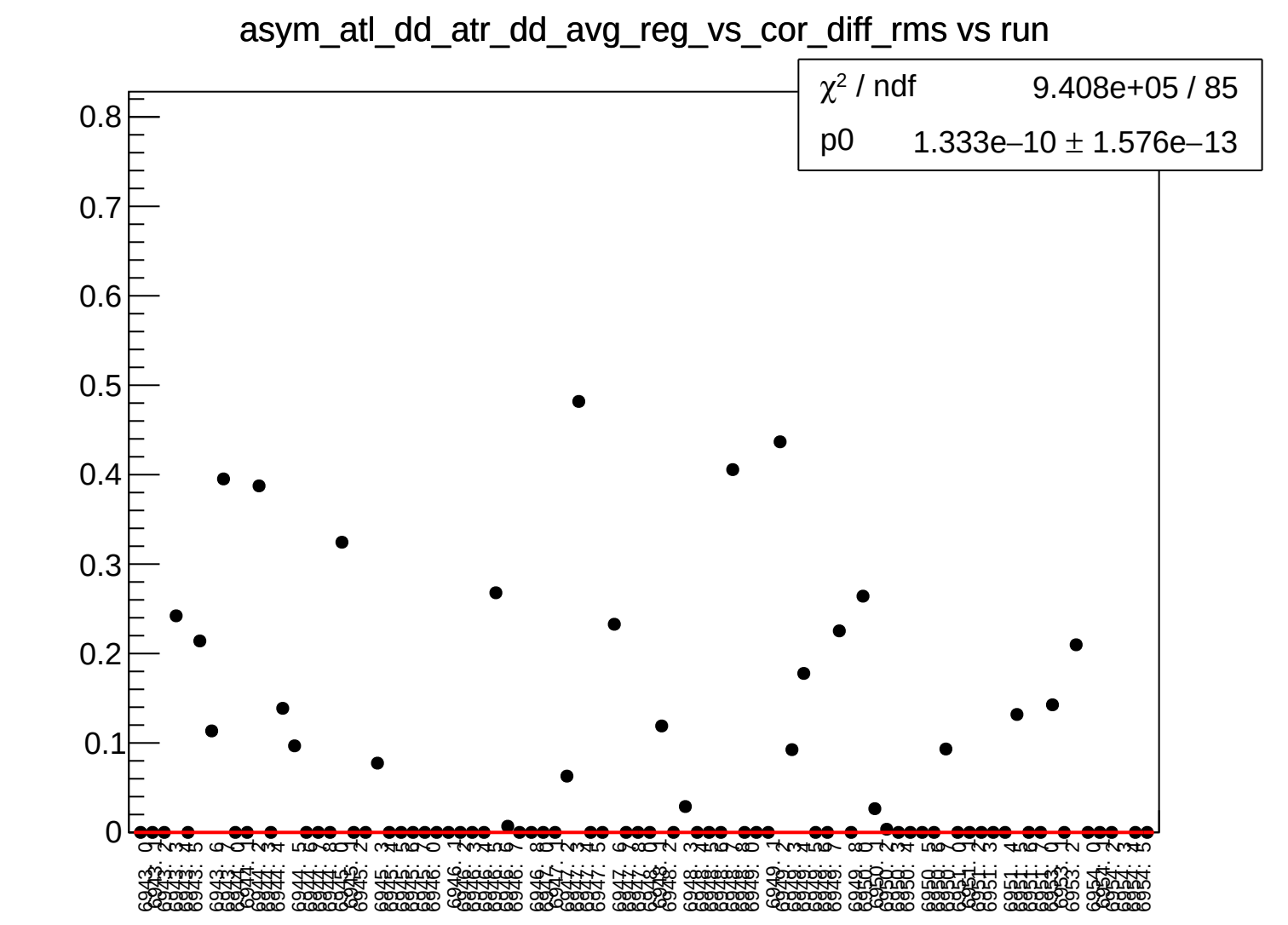

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 94.25 / 85
p0 3138 ± 5913
pull
Entries 86
Mean 85.63
Std Dev 0

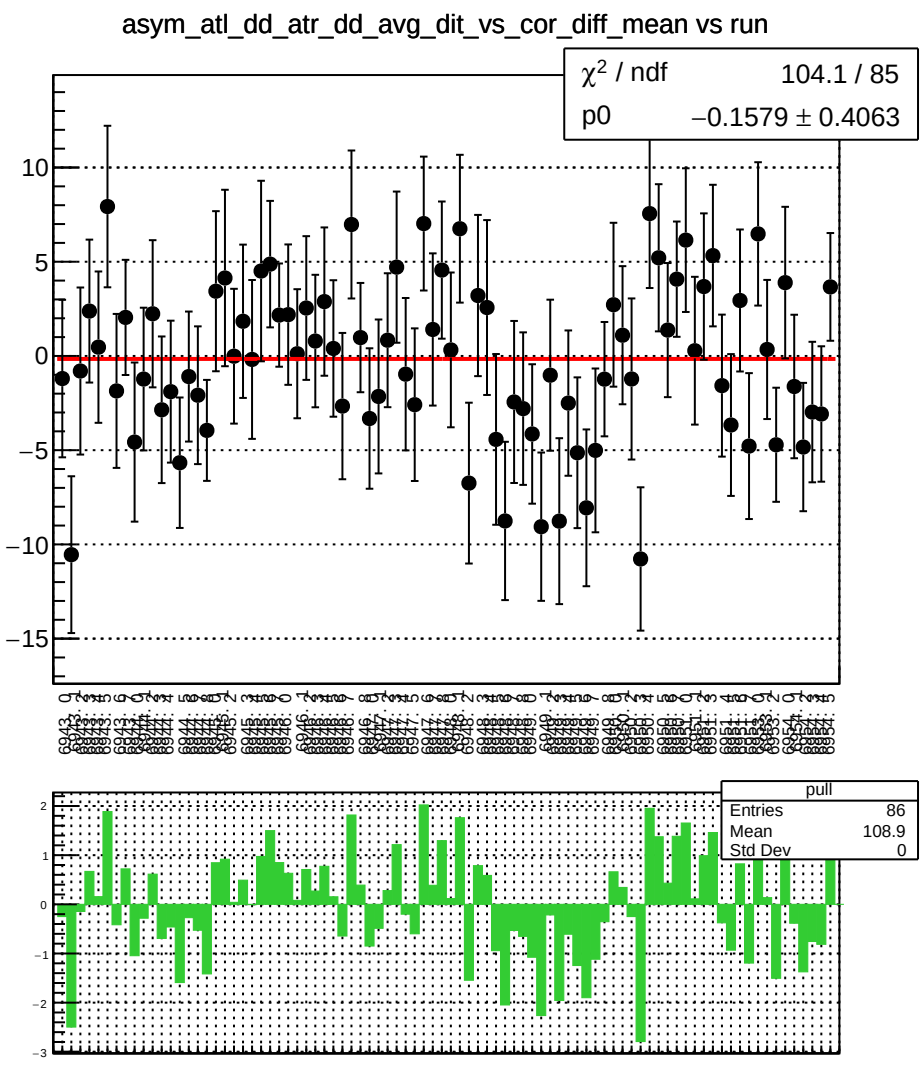

pull1D
Entries 86
Mean 0.02019
Std Dev 1.047

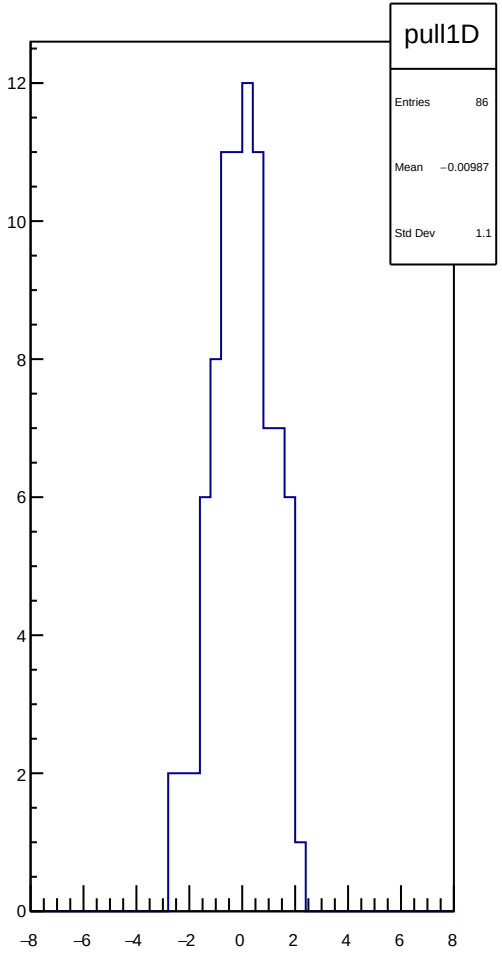

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6875 / 85
p0 5369 ± 4.181
6500
6000
5500
5000
4500

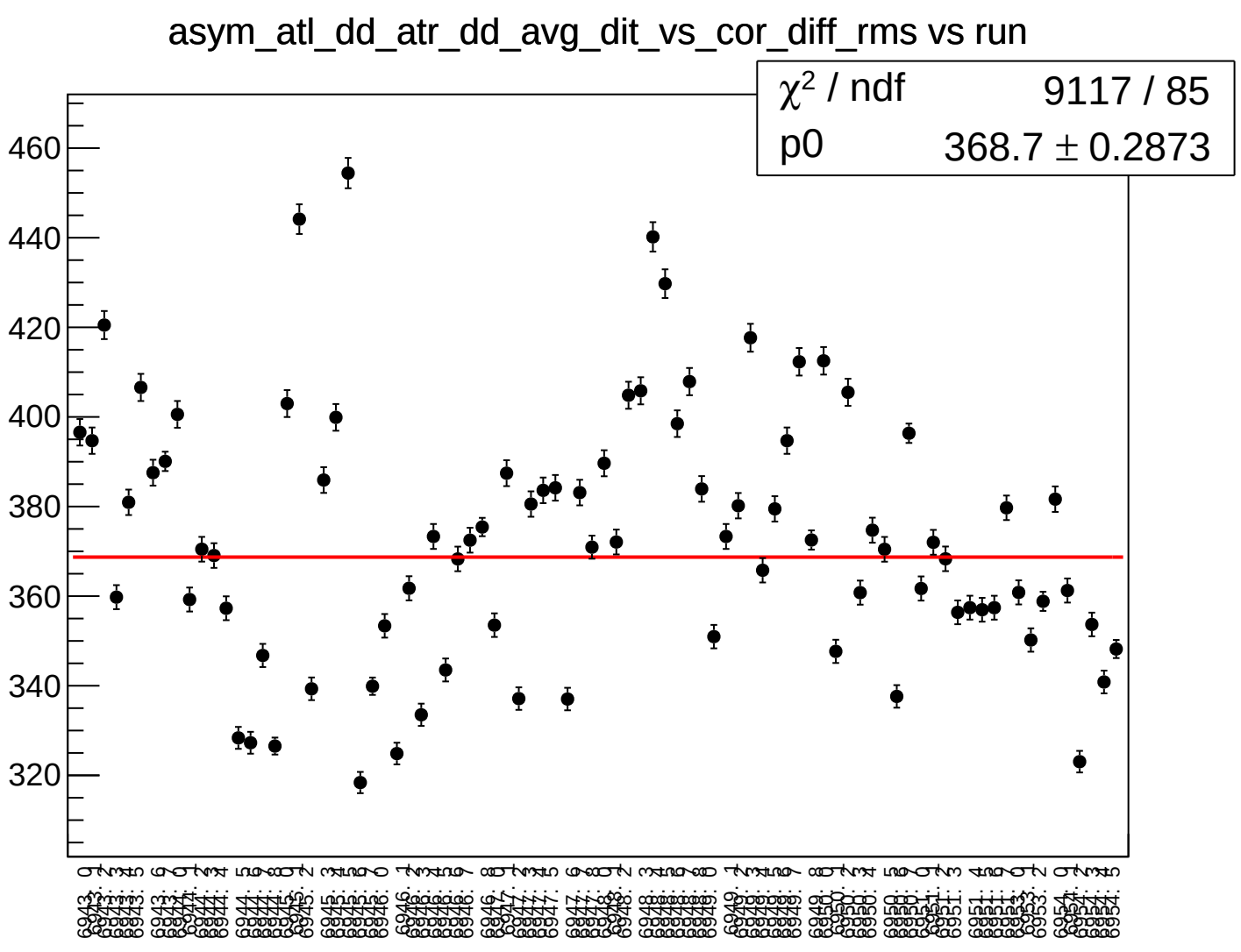

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.38 / 85
p0 −1.668e−13 ± 2.228e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 86
Mean 24.71
Std Dev 27.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

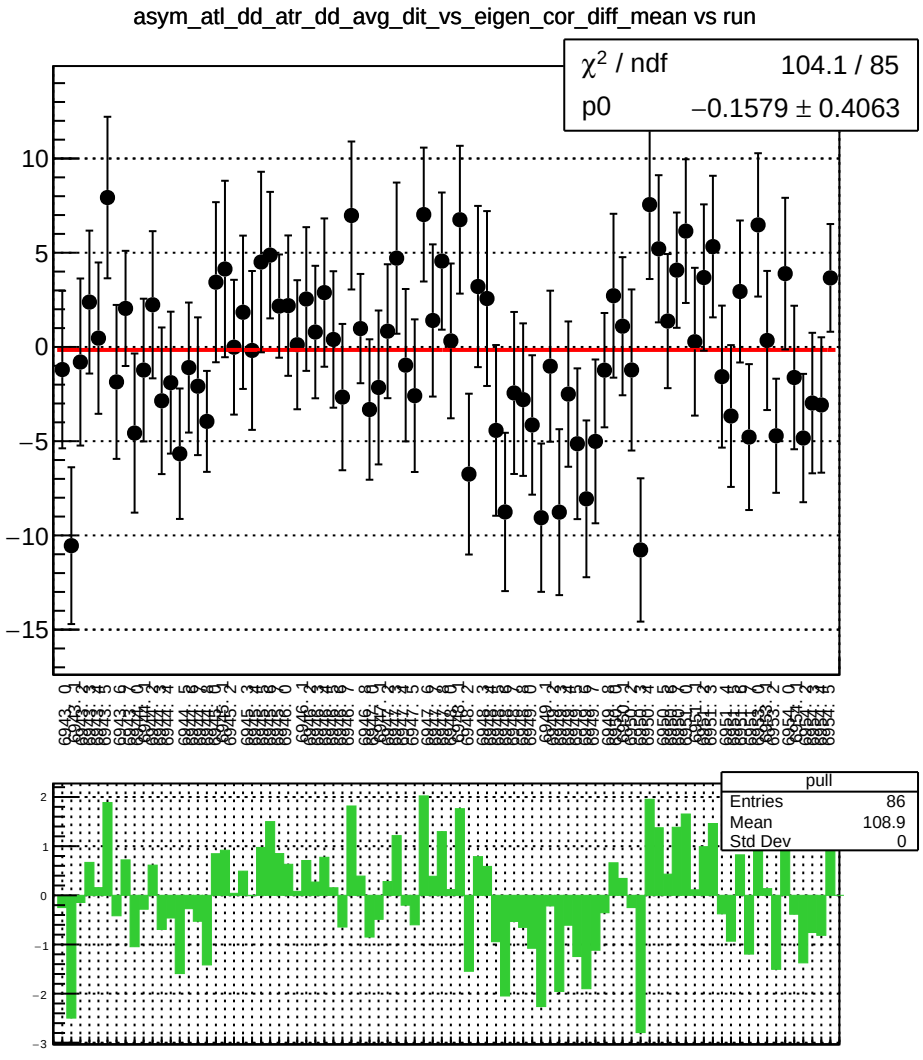

pull1D
Entries 86
Mean 0.1136
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

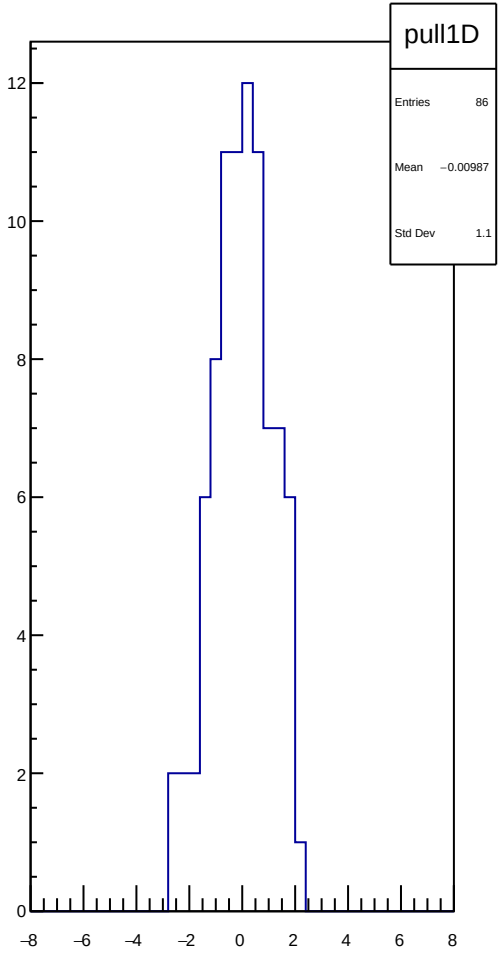

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.408e+05 / 85
p0 1.333e−10 ± 1.576e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

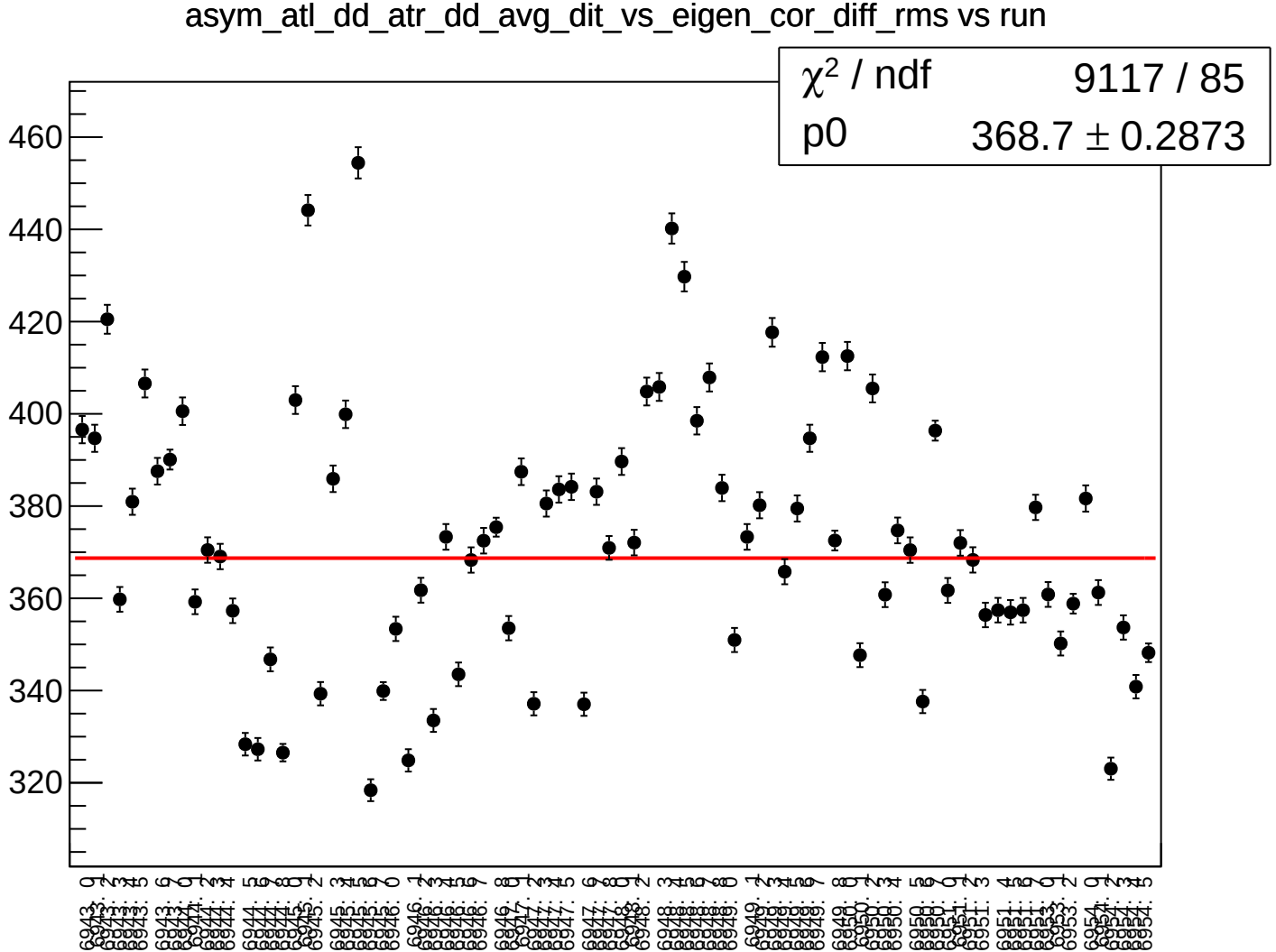

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

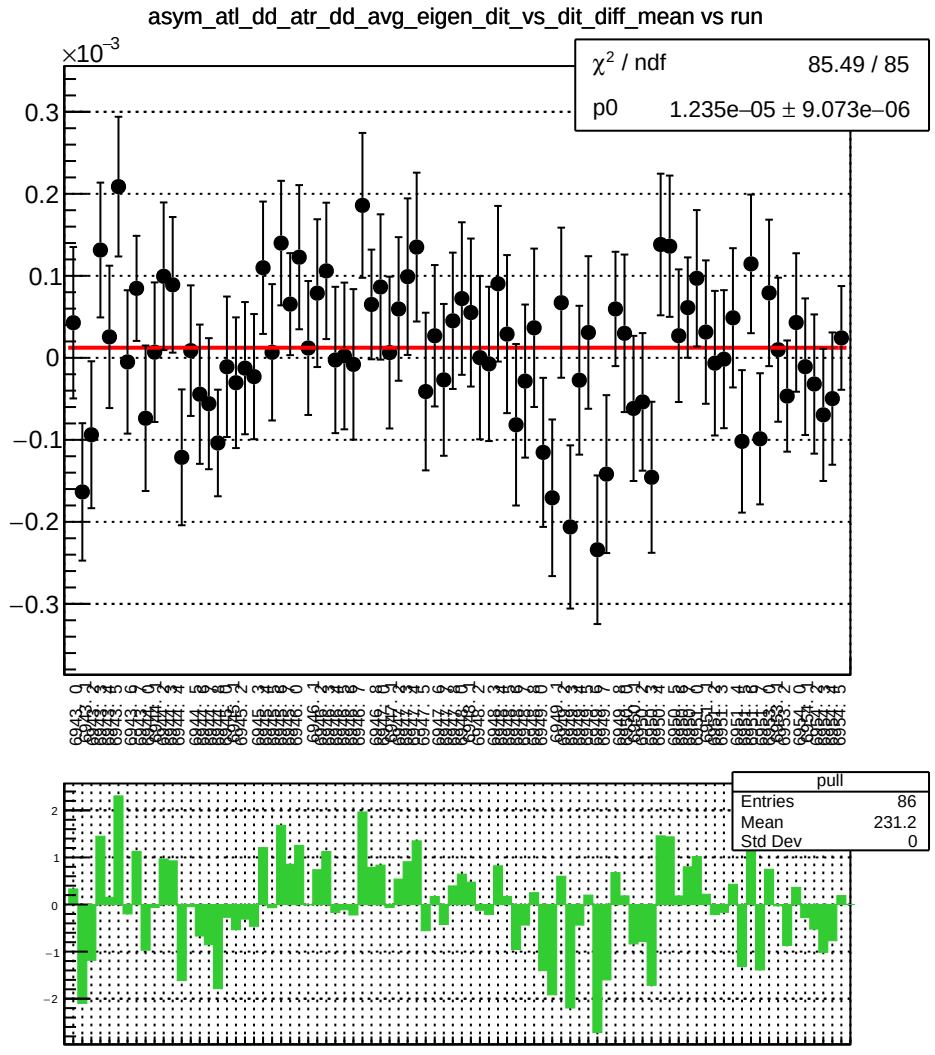

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

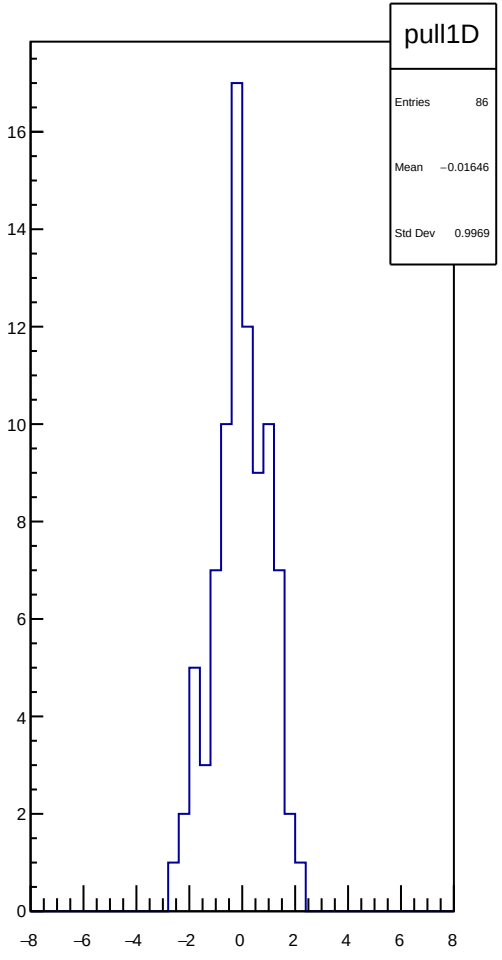

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

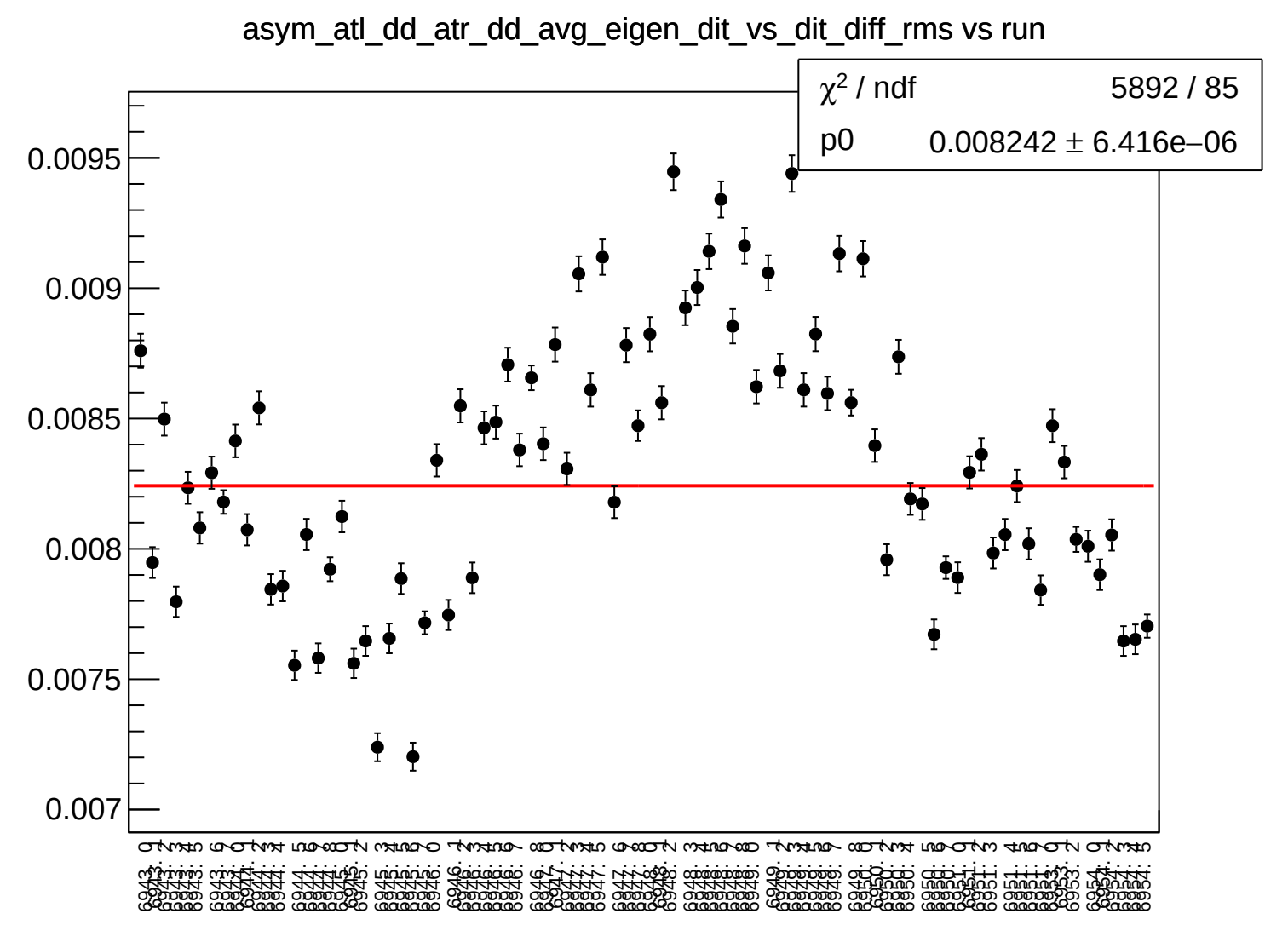

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

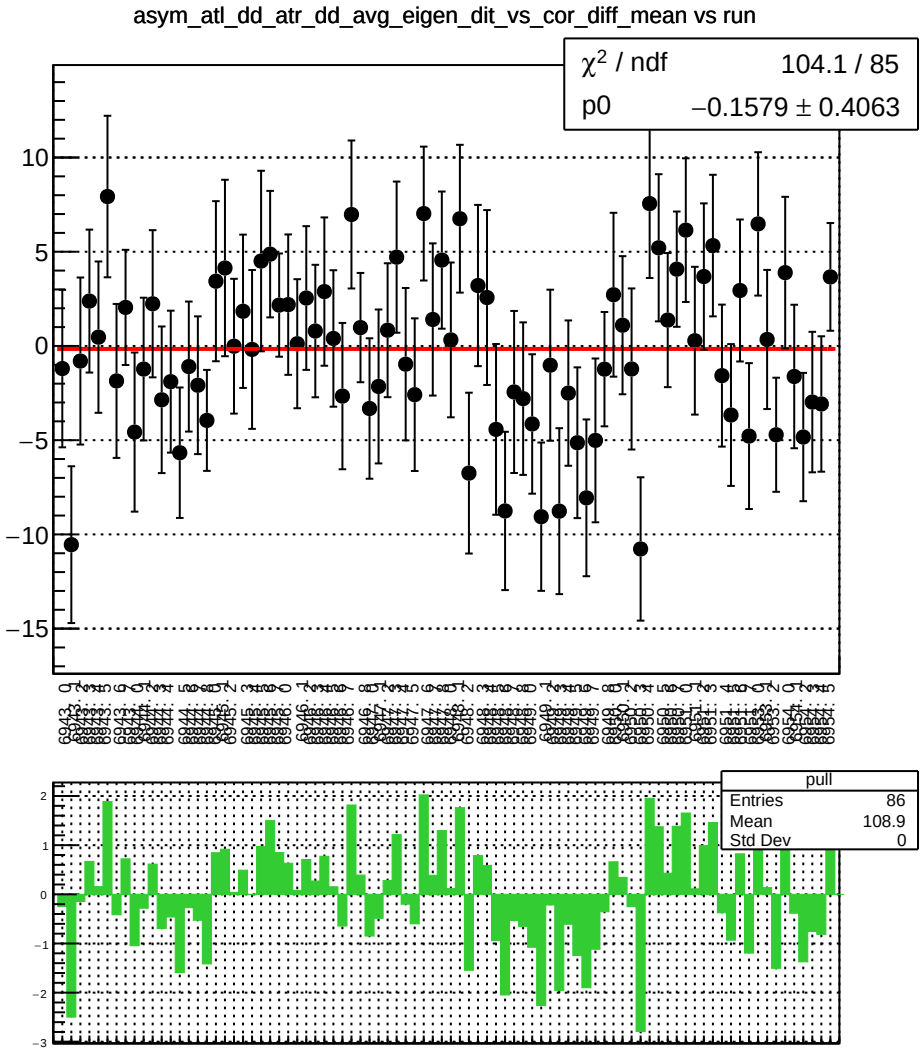

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

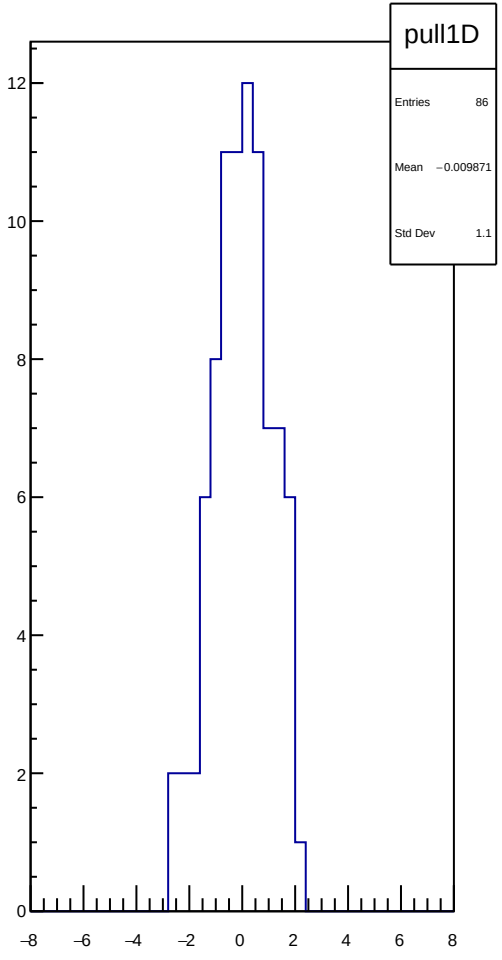

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

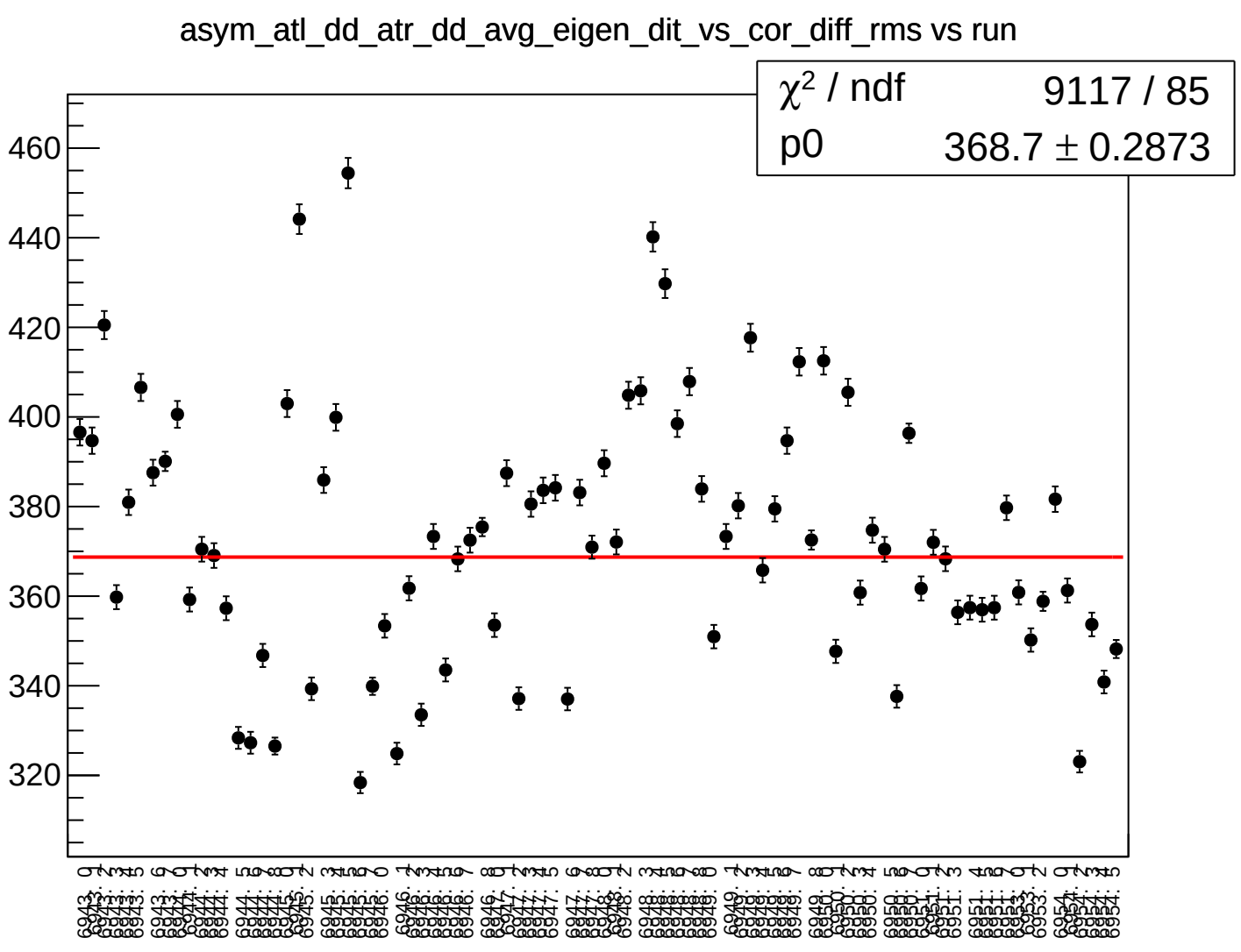

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.49 / 85
p0 1.235e−05 ± 9.073e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 86
Mean 231.2
Std Dev 0
2
1
0
−1
−2

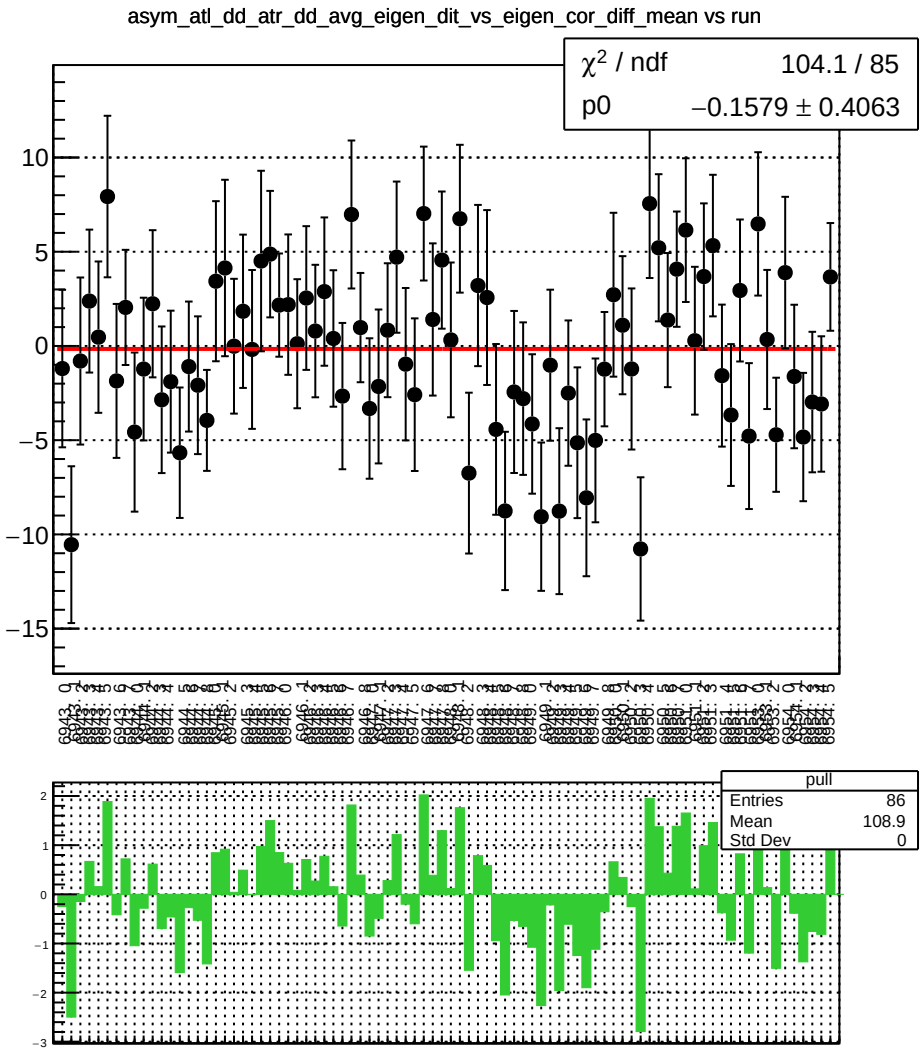

pull1D
Entries 86
Mean −0.01646
Std Dev 0.9969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

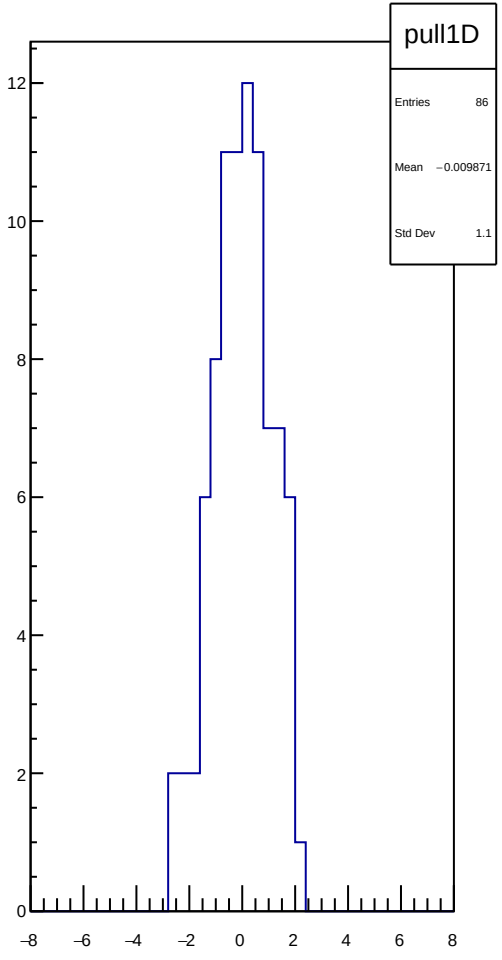

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5892 / 85
p0 0.008242 ± 6.416e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

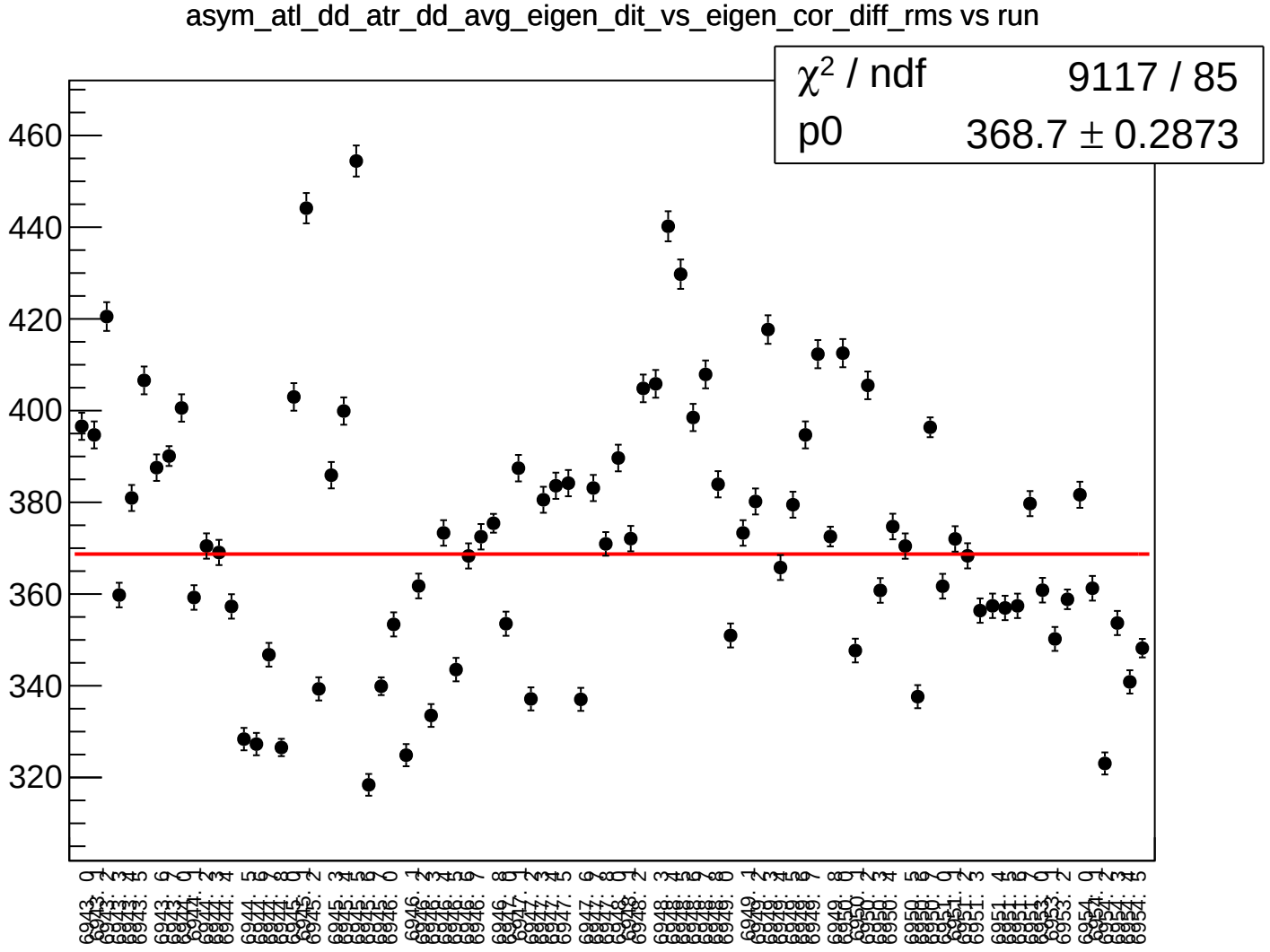

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

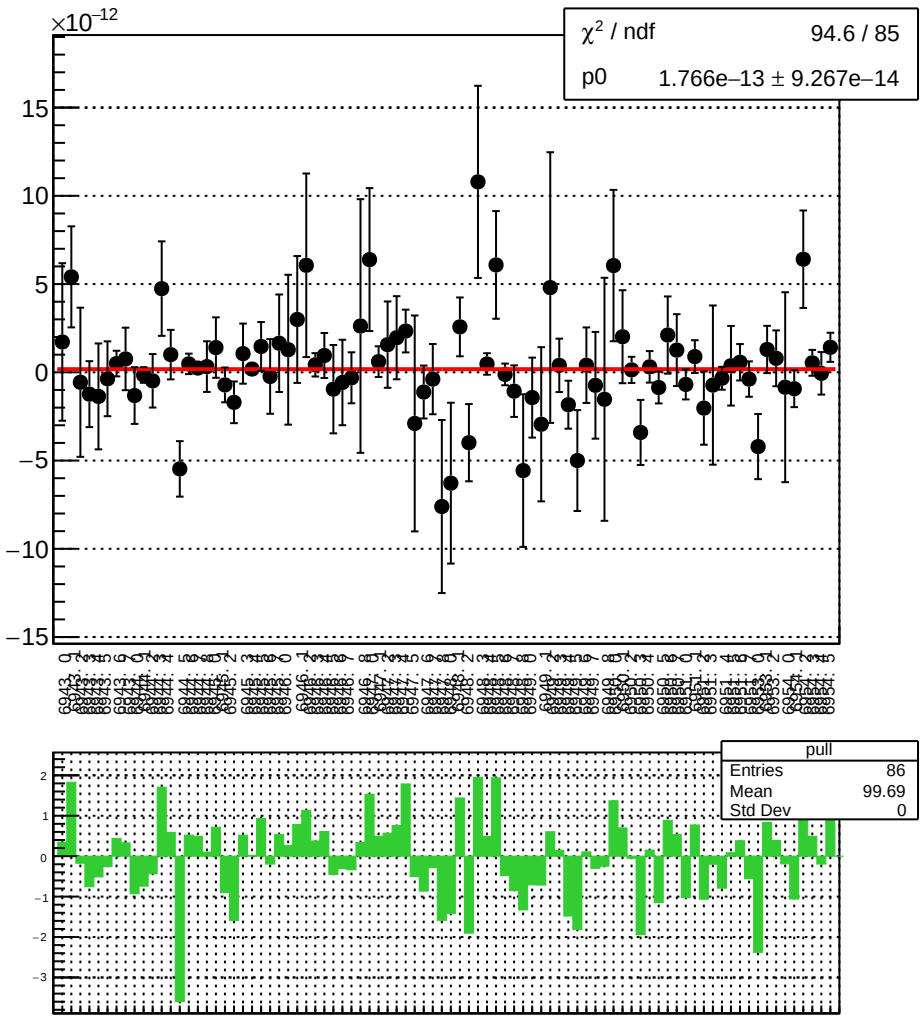

pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

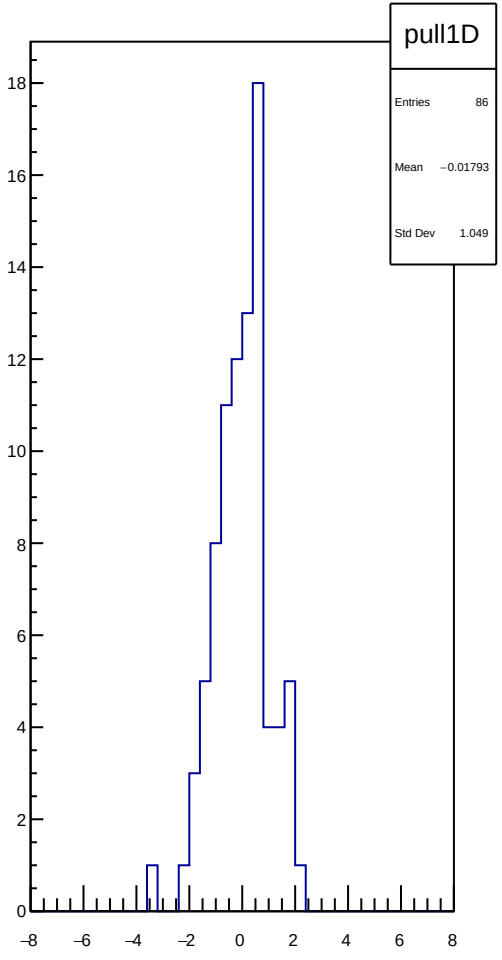

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

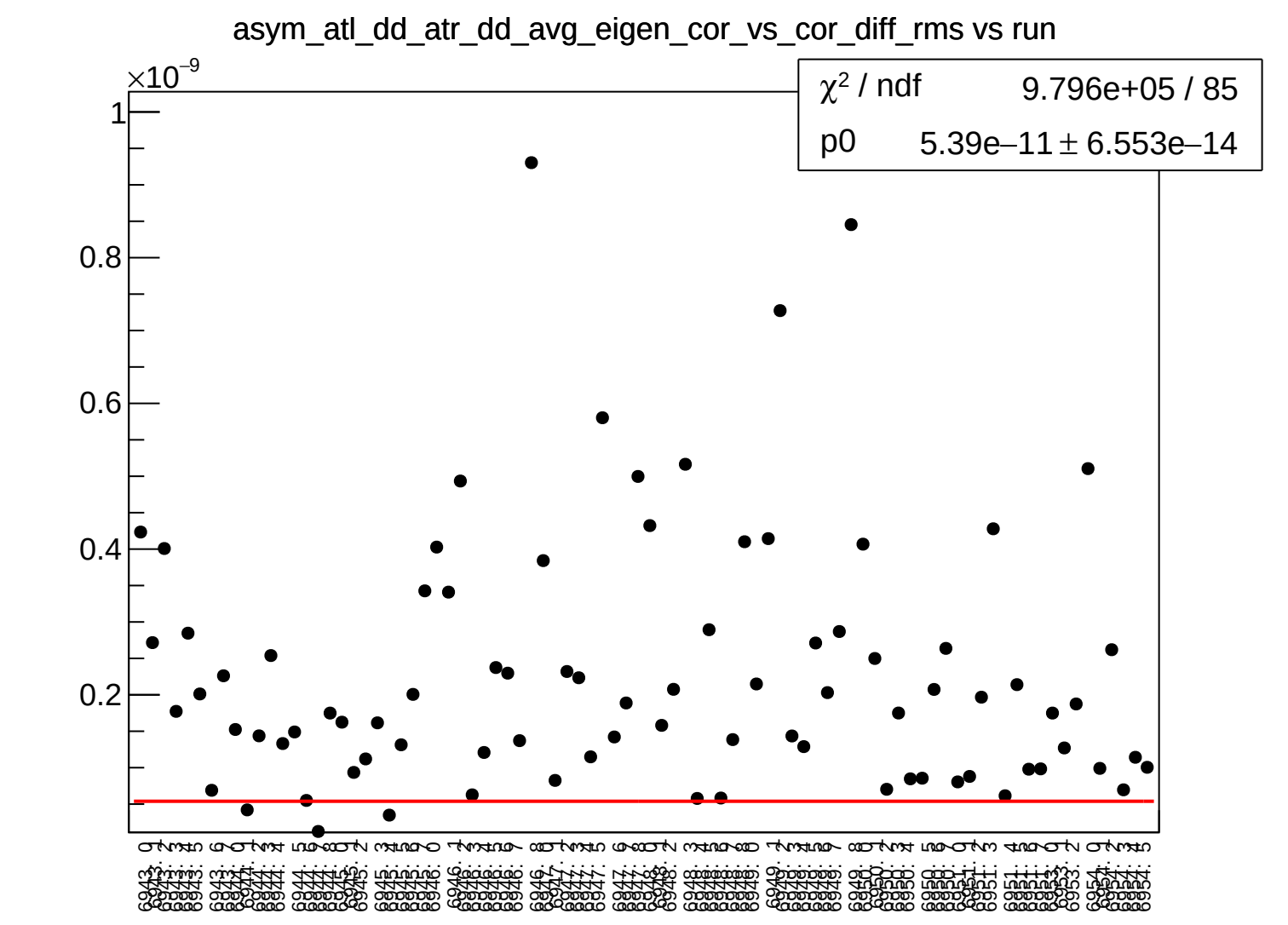

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

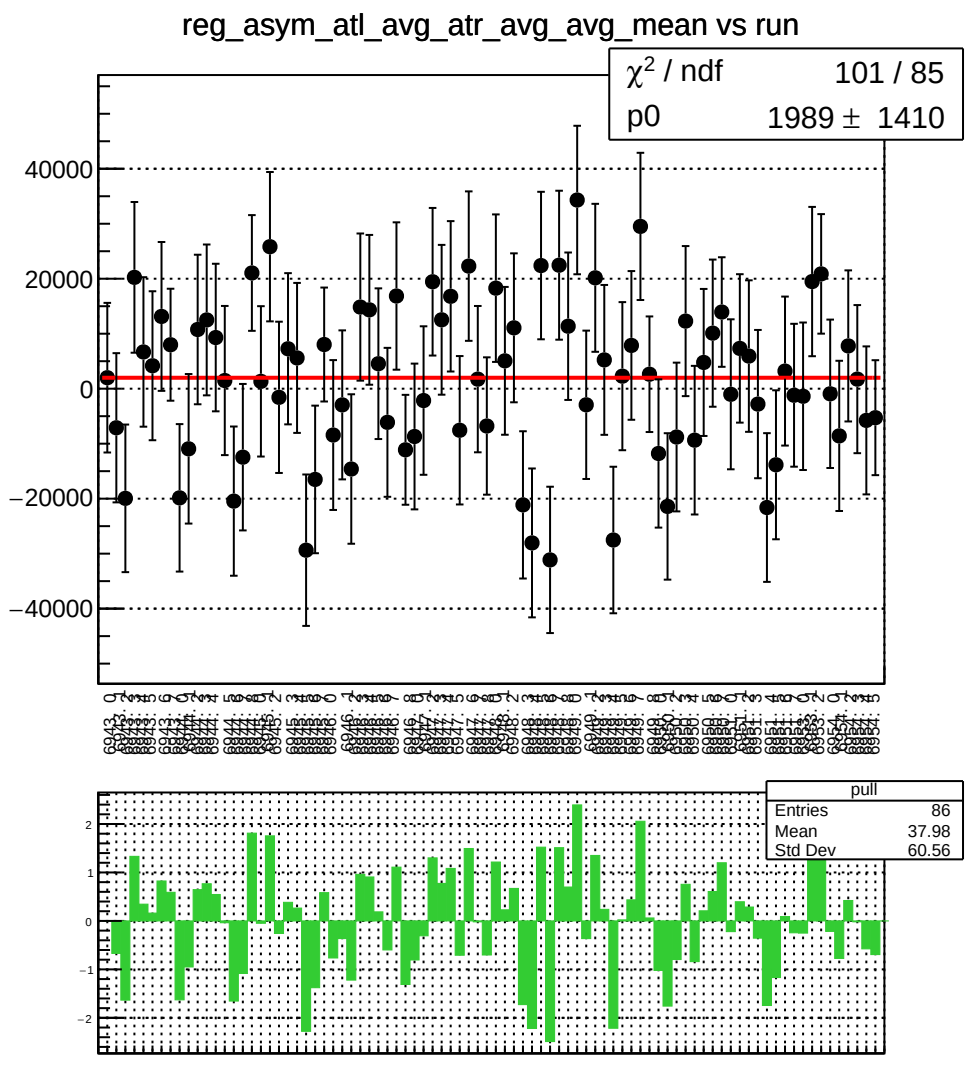

pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

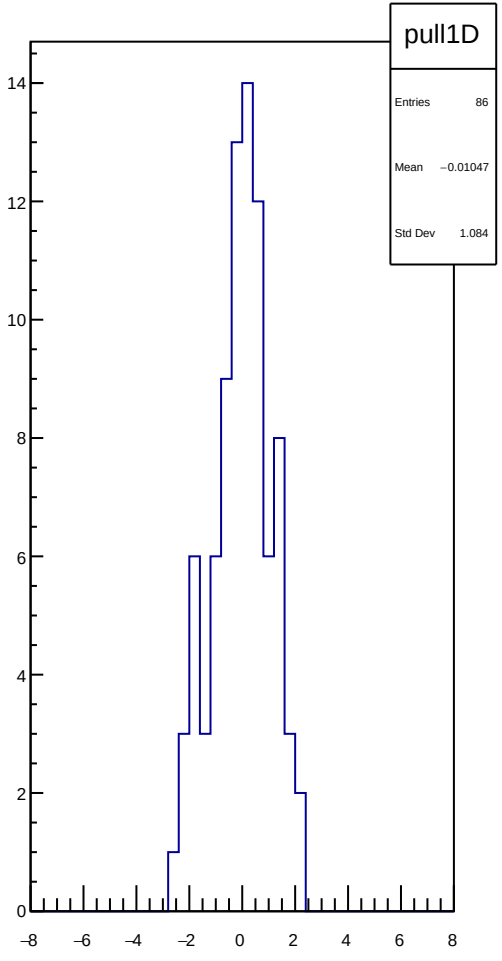

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

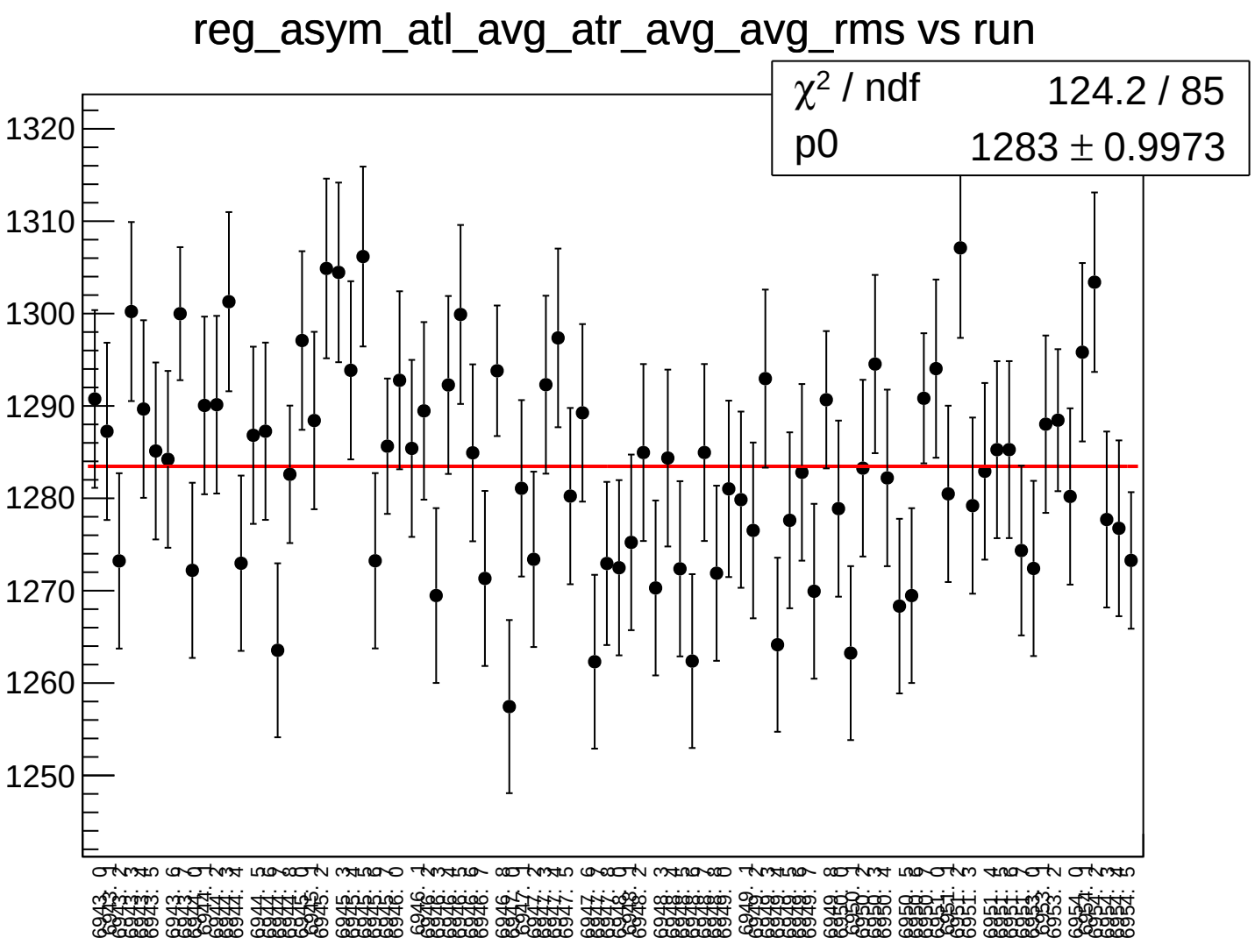

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.6 / 85
p0 1.766e−13 ± 9.267e−14
pull
Entries 86
Mean 99.69
Std Dev 0

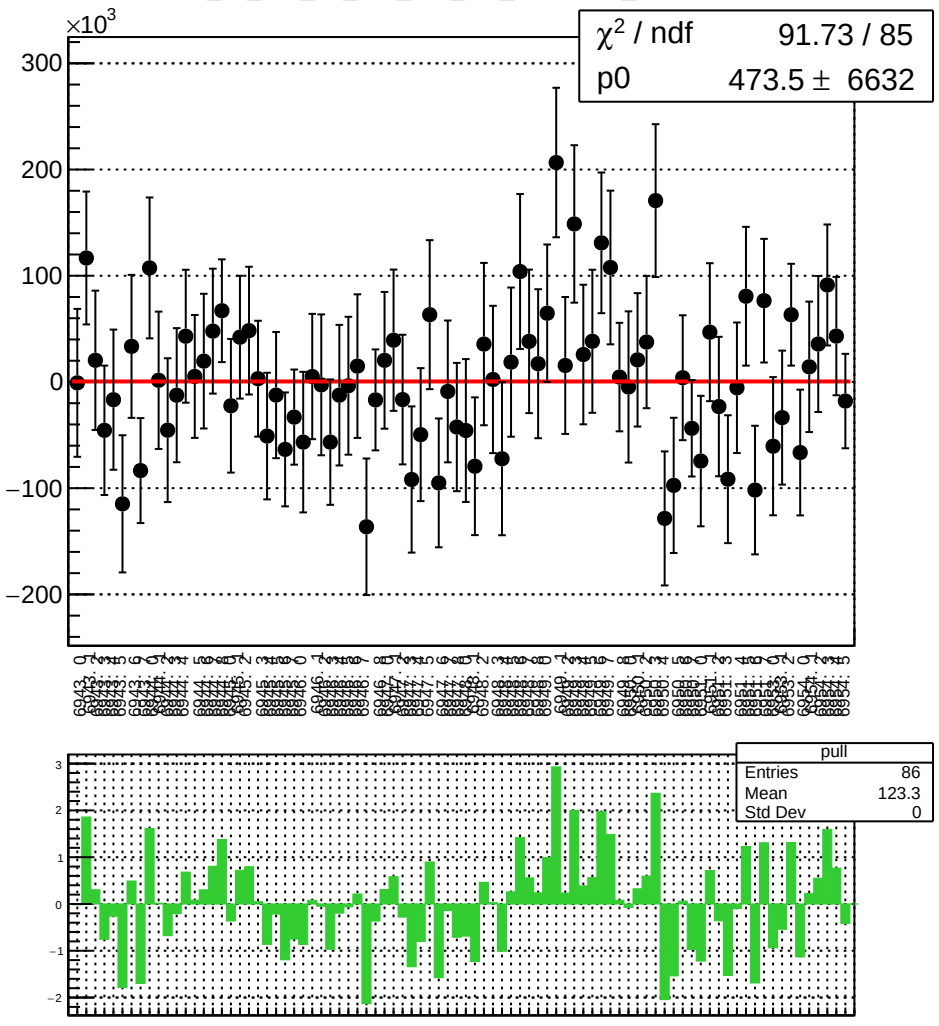

pull1D
Entries 86
Mean −0.01793
Std Dev 1.049

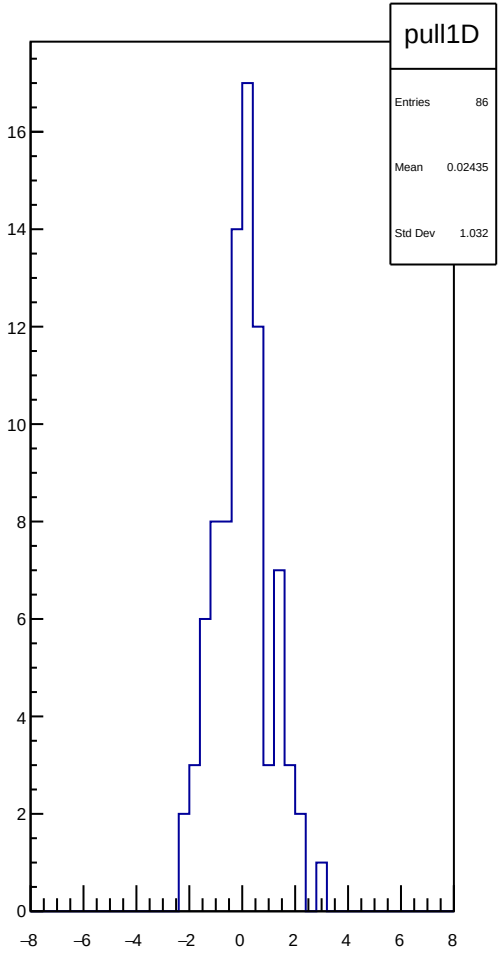

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.796e+05 / 85
p0 5.39e−11 ± 6.553e−14
1
0.8
0.6
0.4
0.2

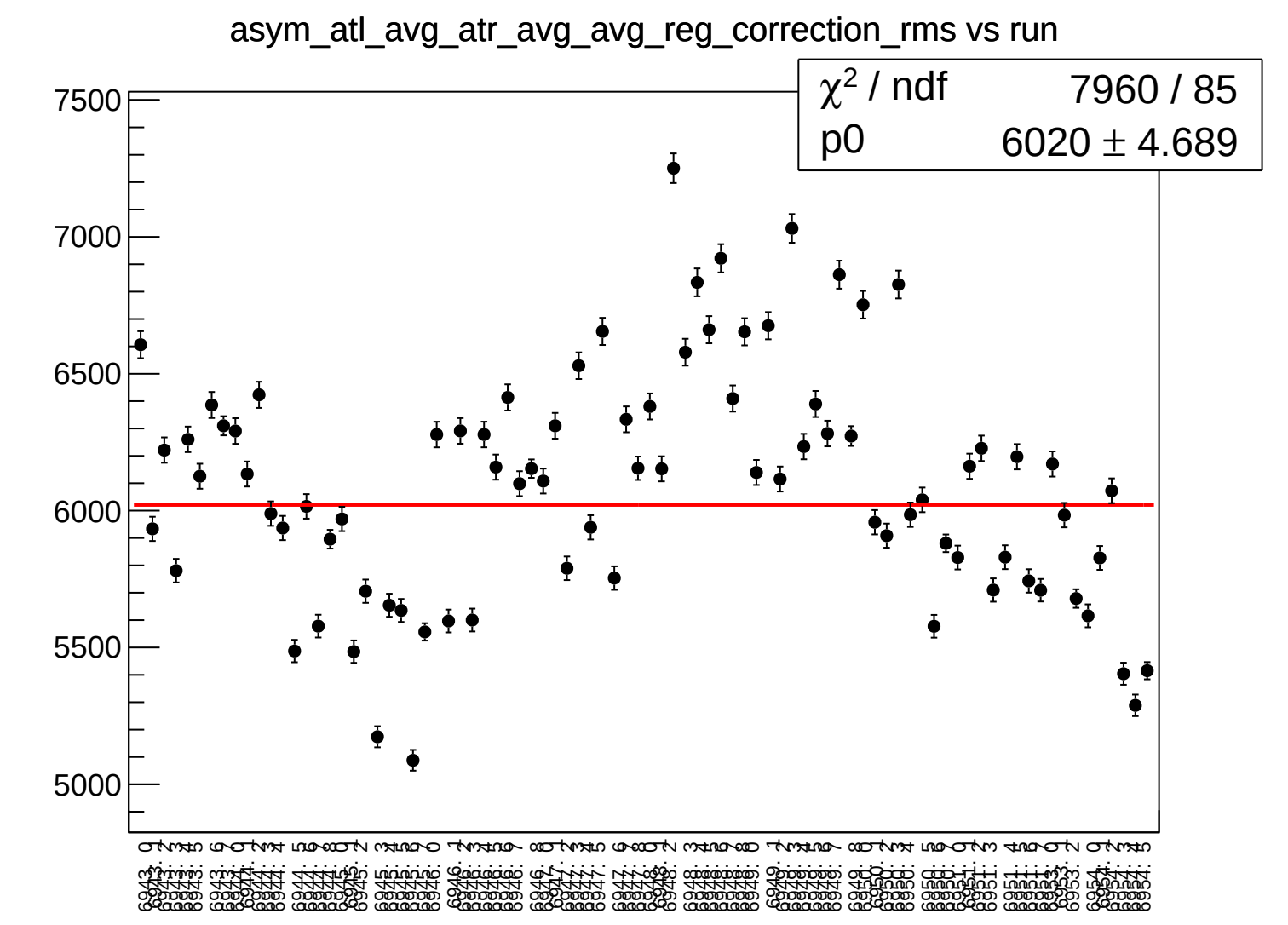

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 101 / 85
p0 1989 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 37.98
Std Dev 60.56
2
1
0
−1
−2

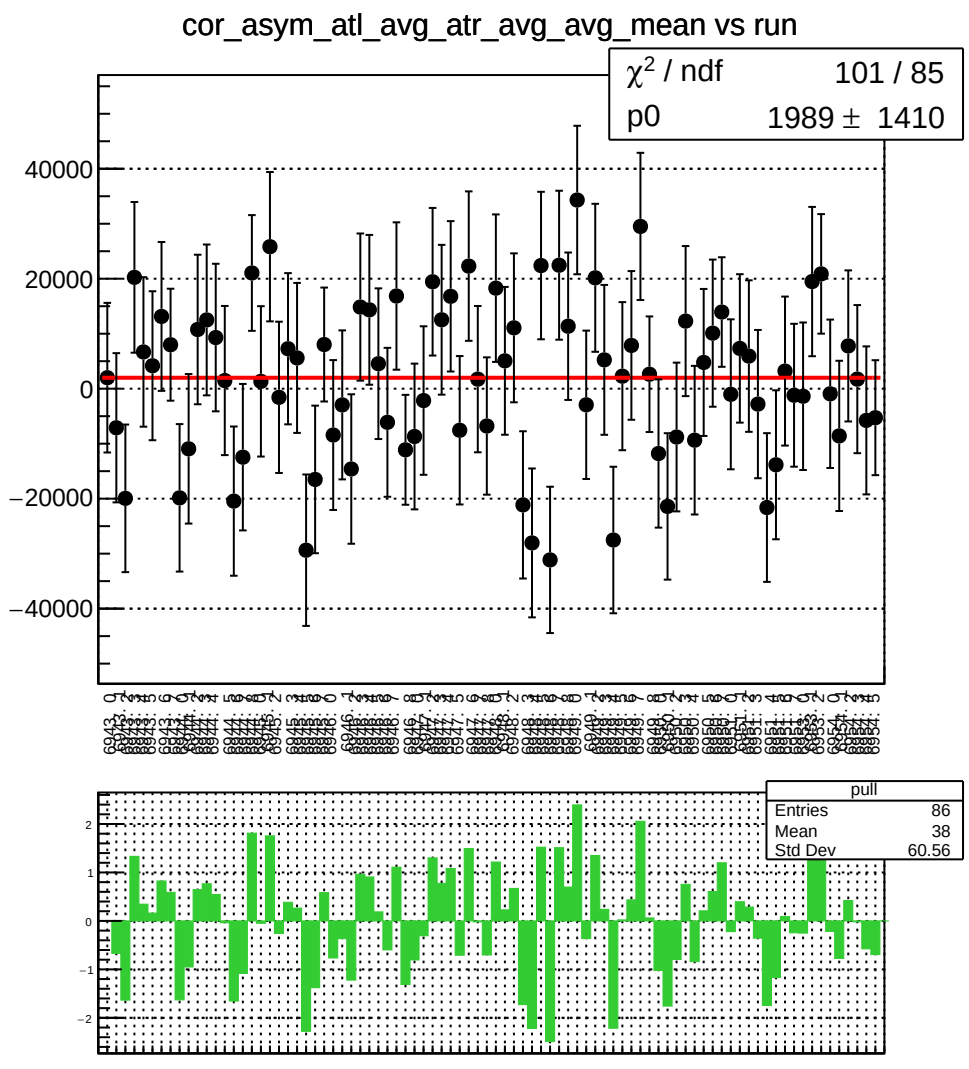

pull1D
Entries 86
Mean −0.01047
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

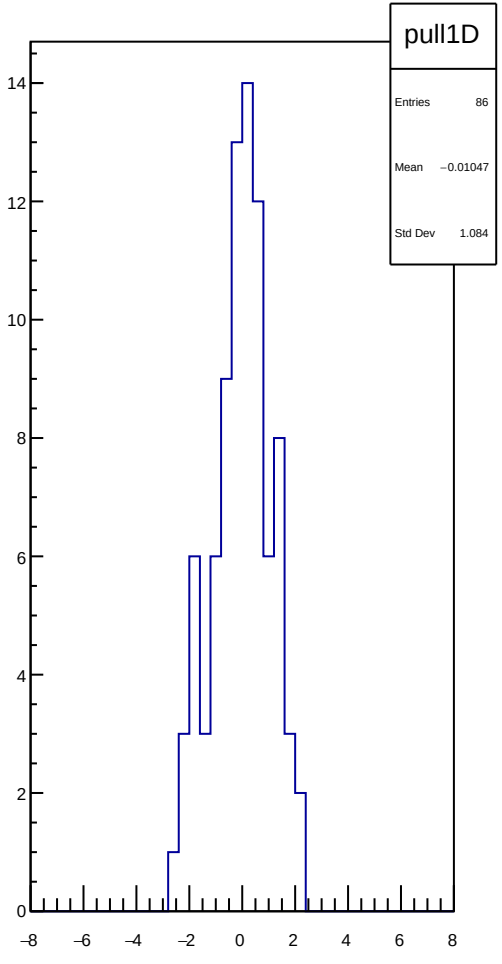

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 124.2 / 85
p0 1283 ± 0.9973
1320
1310
1300
1290
1280
1270
1260
1250

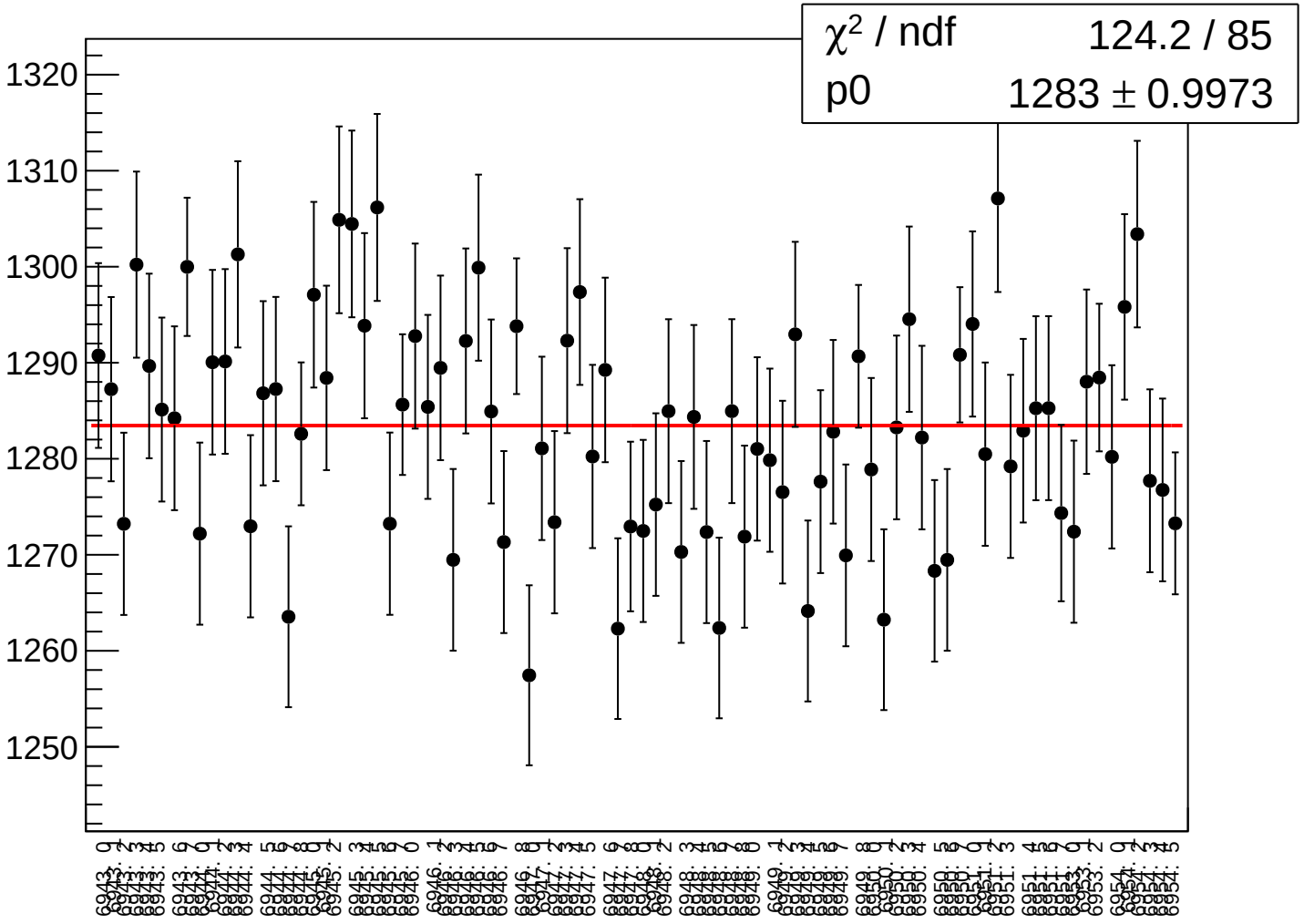

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91.73 / 85
p0 473.5 ± 6632
pull
Entries 86
Mean 123.3
Std Dev 0

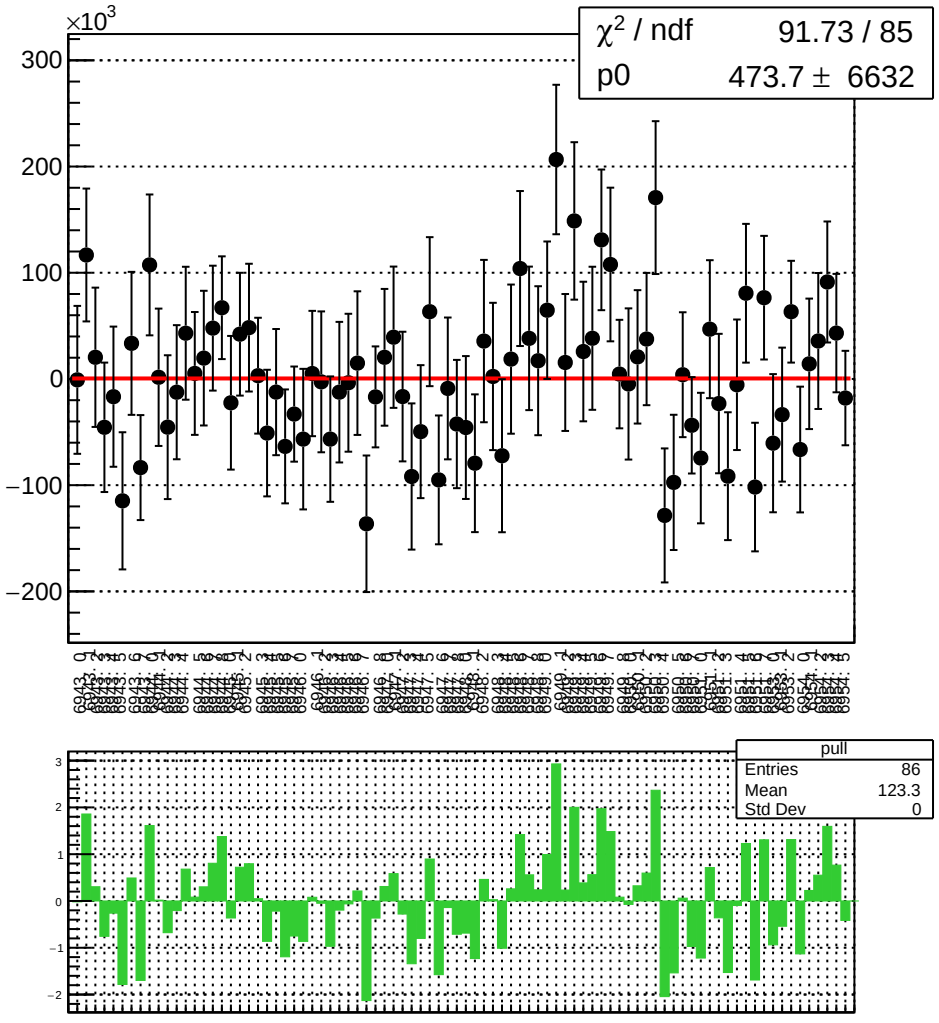

pull1D
Entries 86
Mean 0.02435
Std Dev 1.032

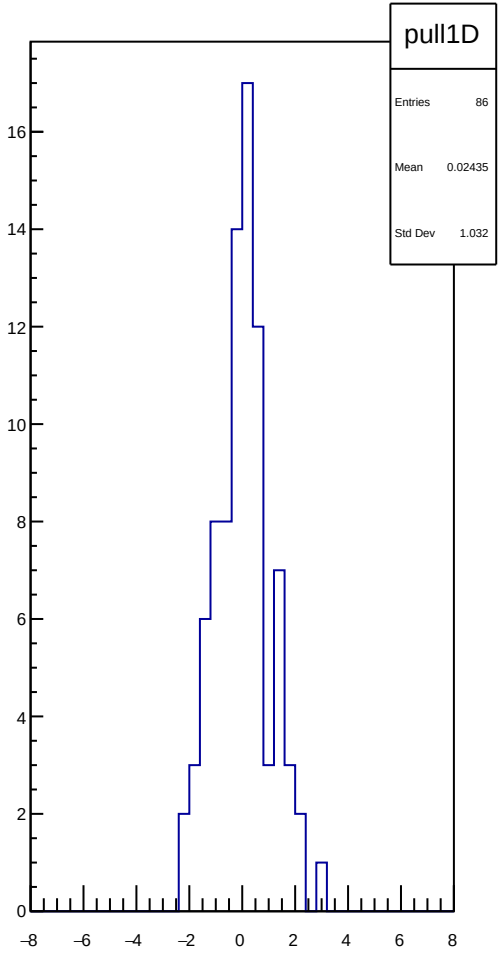

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 7960 / 85
p0 6020 ± 4.689
7500
7000
6500
6000
5500
5000

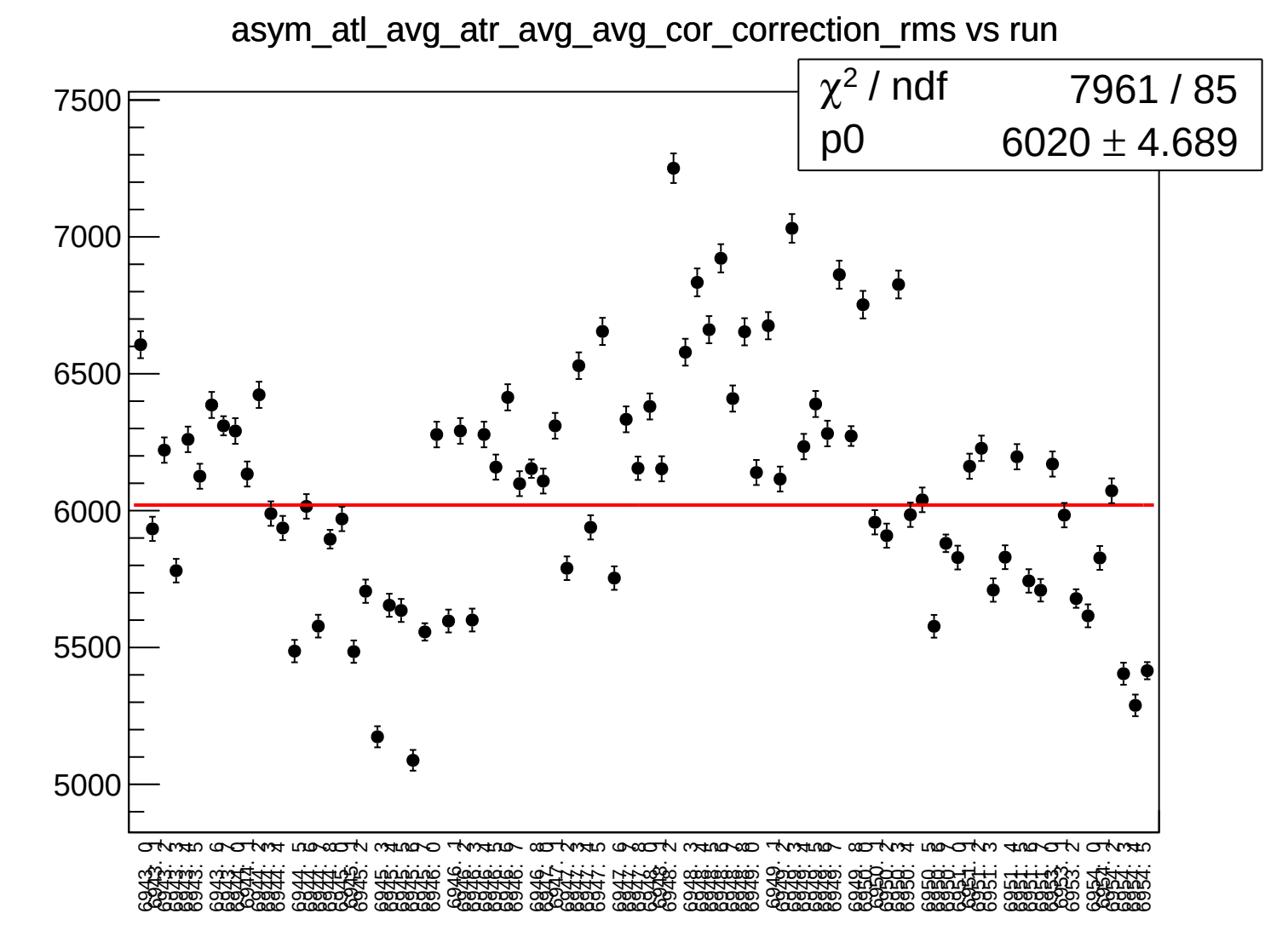

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 101 / 85
p0 1989 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 38
Std Dev 60.56
2
1
0
−1
−2

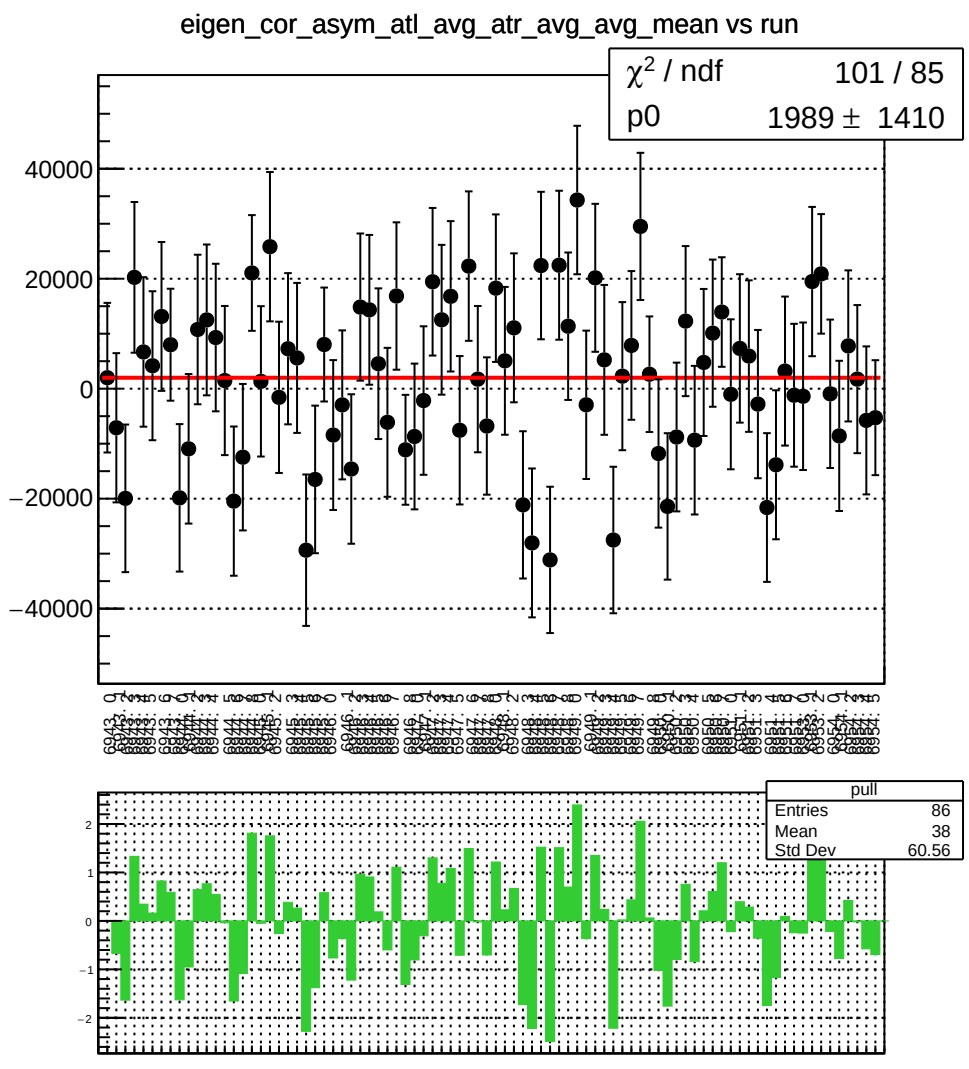

pull1D
Entries 86
Mean −0.01047
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

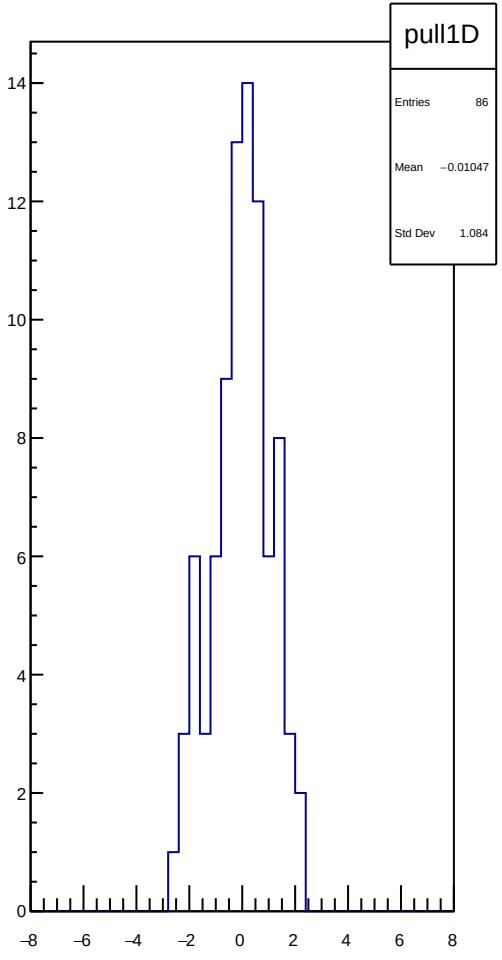

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 124.2 / 85
p0 1283 ± 0.9973
1320
1310
1300
1290
1280
1270
1260
1250

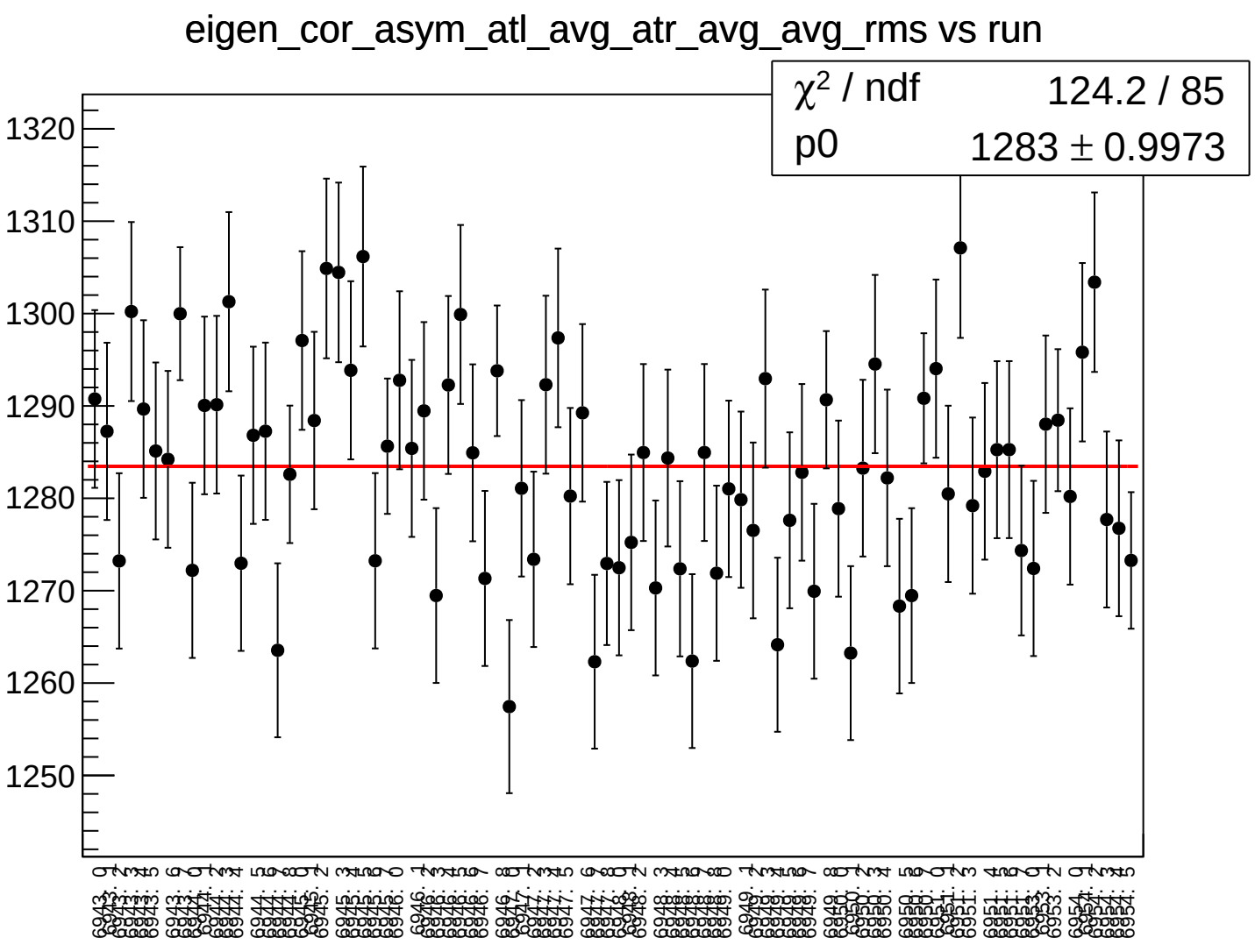

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.73 / 85
p0 473.7 ± 6632
pull
Entries 86
Mean 123.3
Std Dev 0

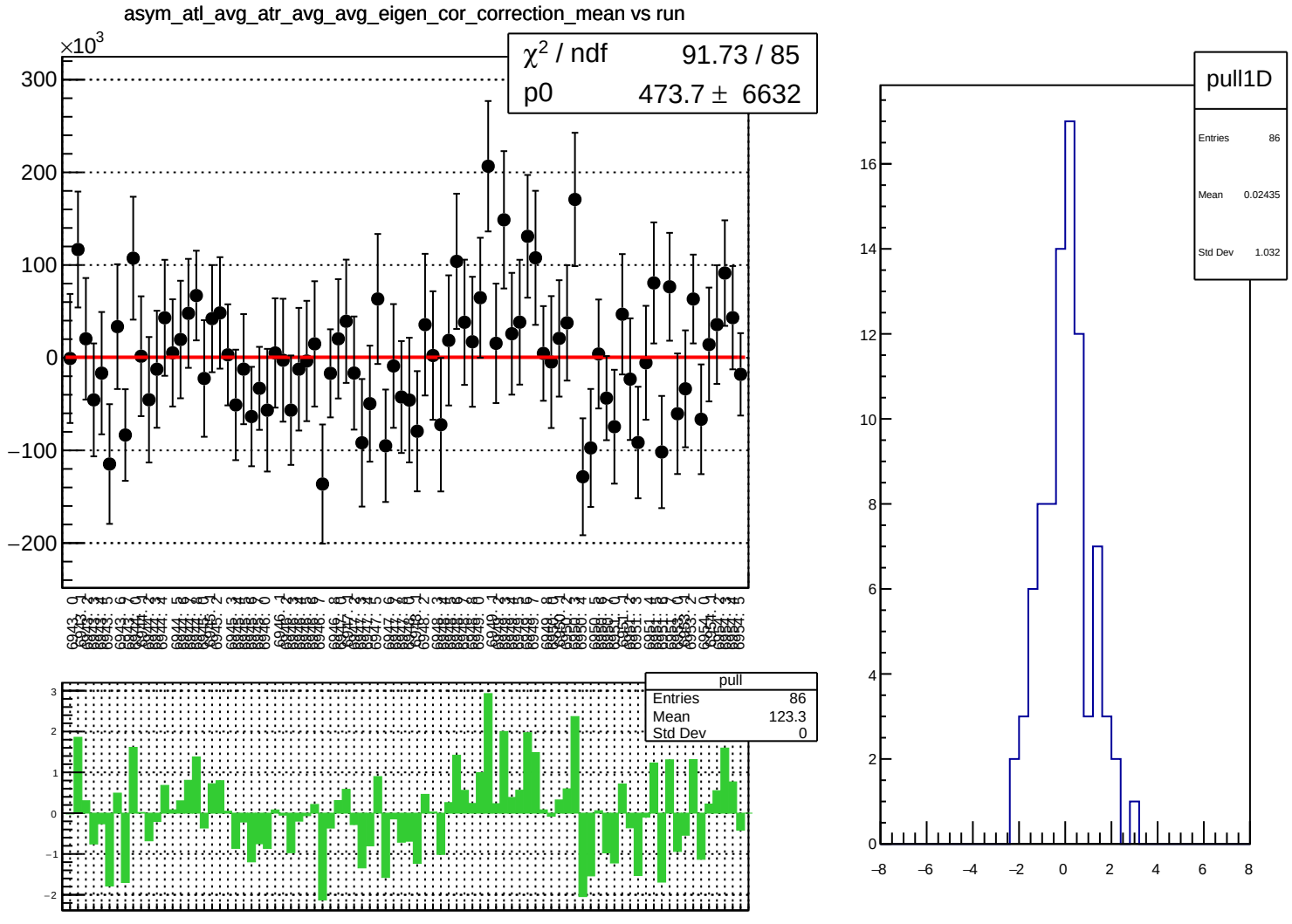

pull1D
Entries 86
Mean 0.02435
Std Dev 1.032

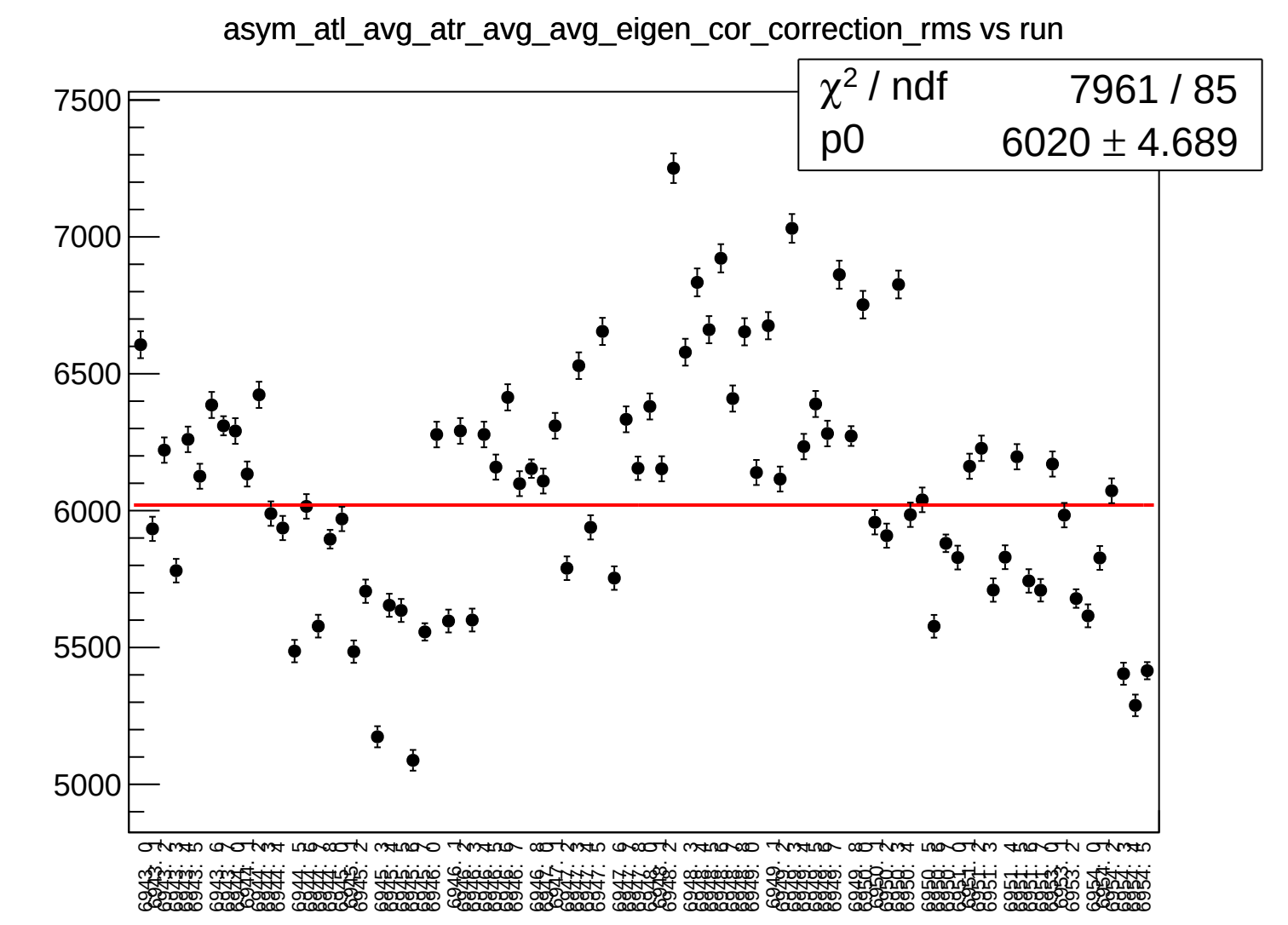

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 7961 / 85
p0 6020 ± 4.689
7500
7000
6500
6000
5500
5000

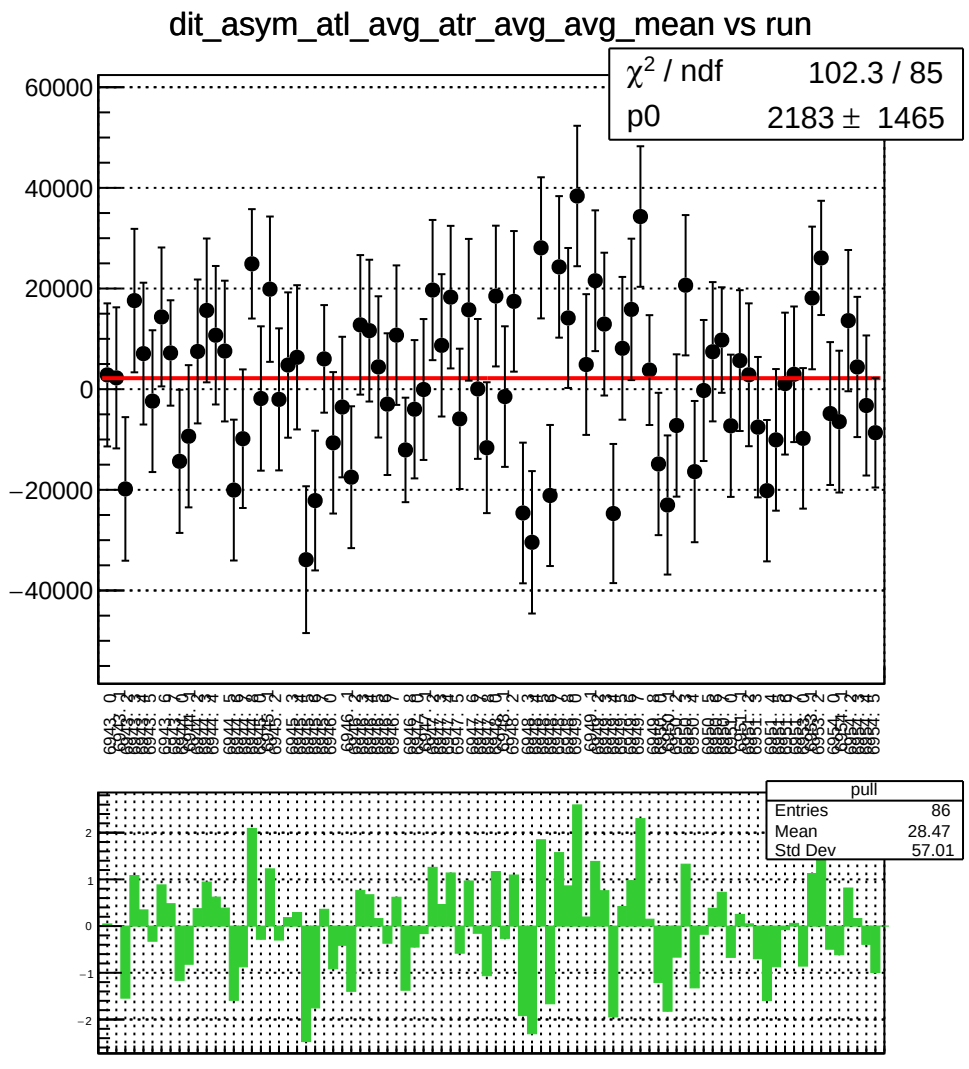

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 101 / 85
p0 1989 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 38
Std Dev 60.56
2
1
0
−1
−2

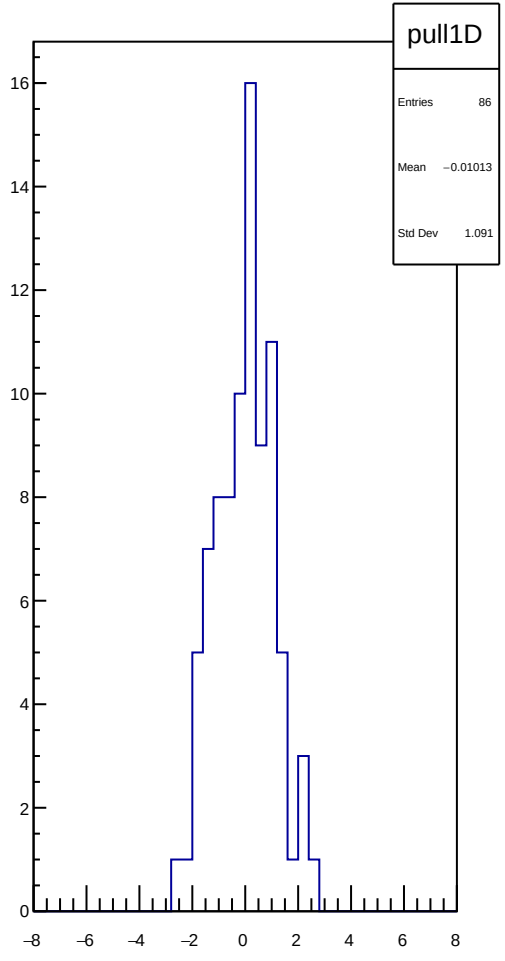

pull1D
Entries 86
Mean −0.01047
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

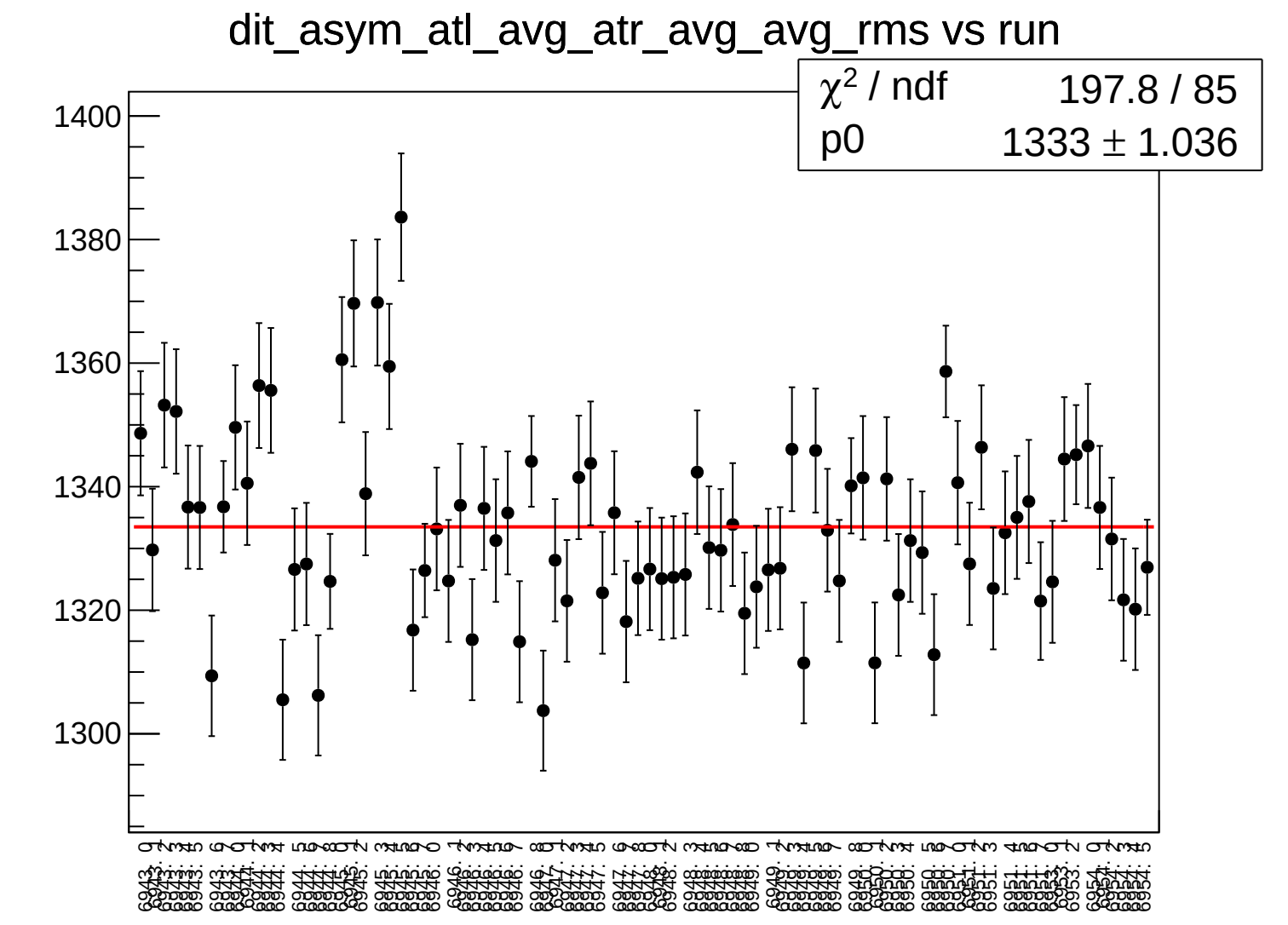

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 124.2 / 85
p0 1283 ± 0.9973
1320
1310
1300
1290
1280
1270
1260
1250

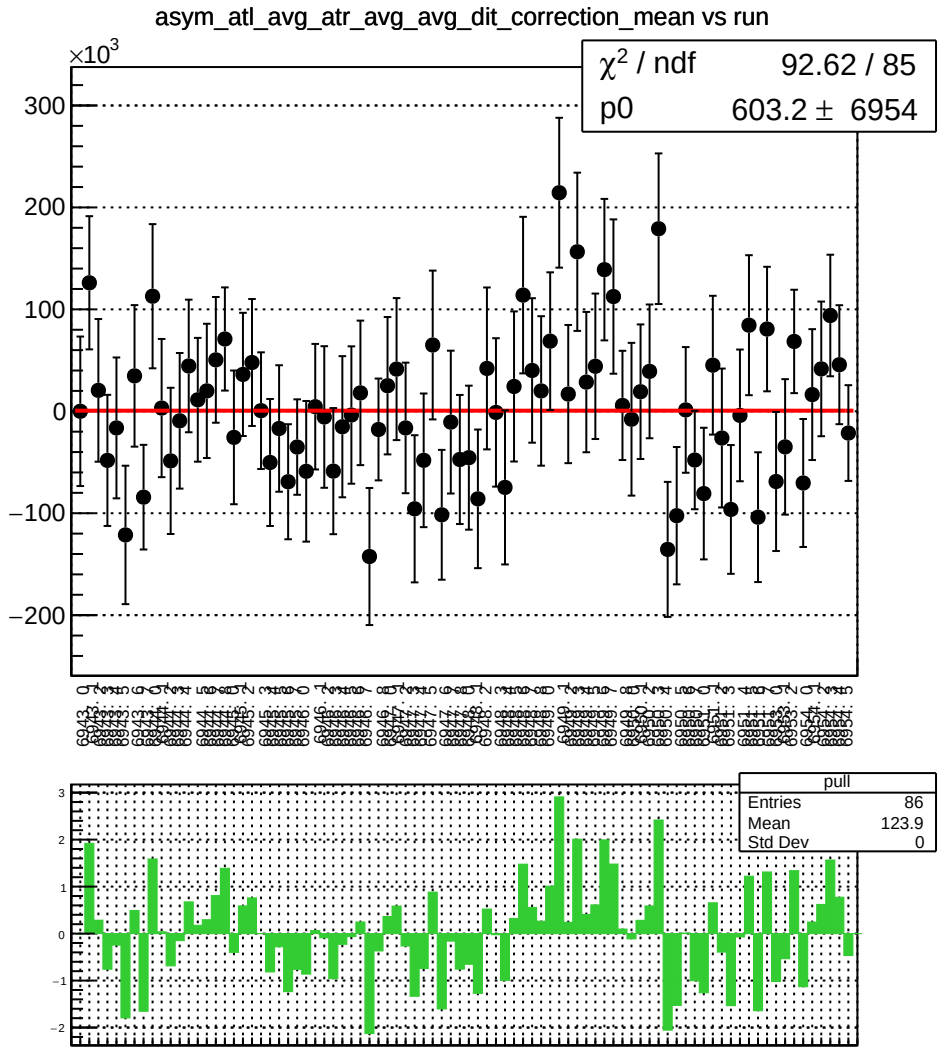

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.73 / 85
p0 473.7 ± 6632
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02435
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

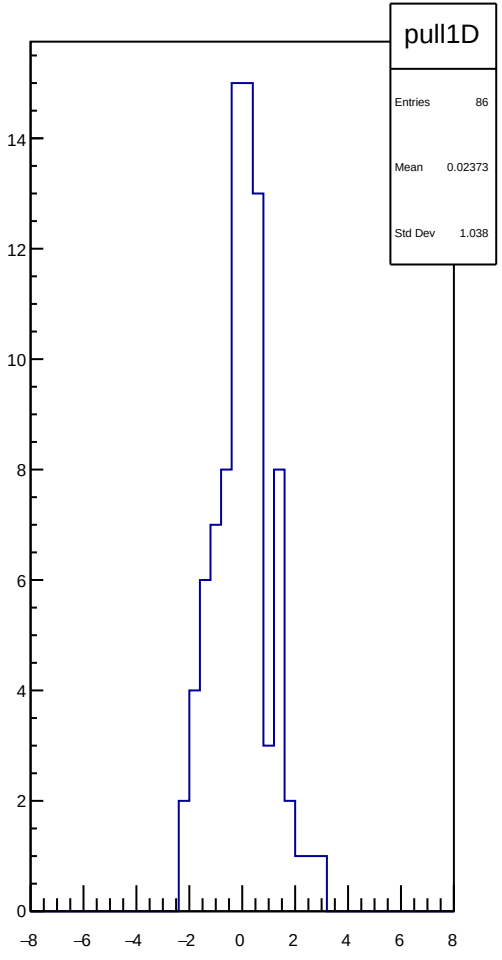

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 7961 / 85
p0 6020 ± 4.689
7500
7000
6500
6000
5500
5000

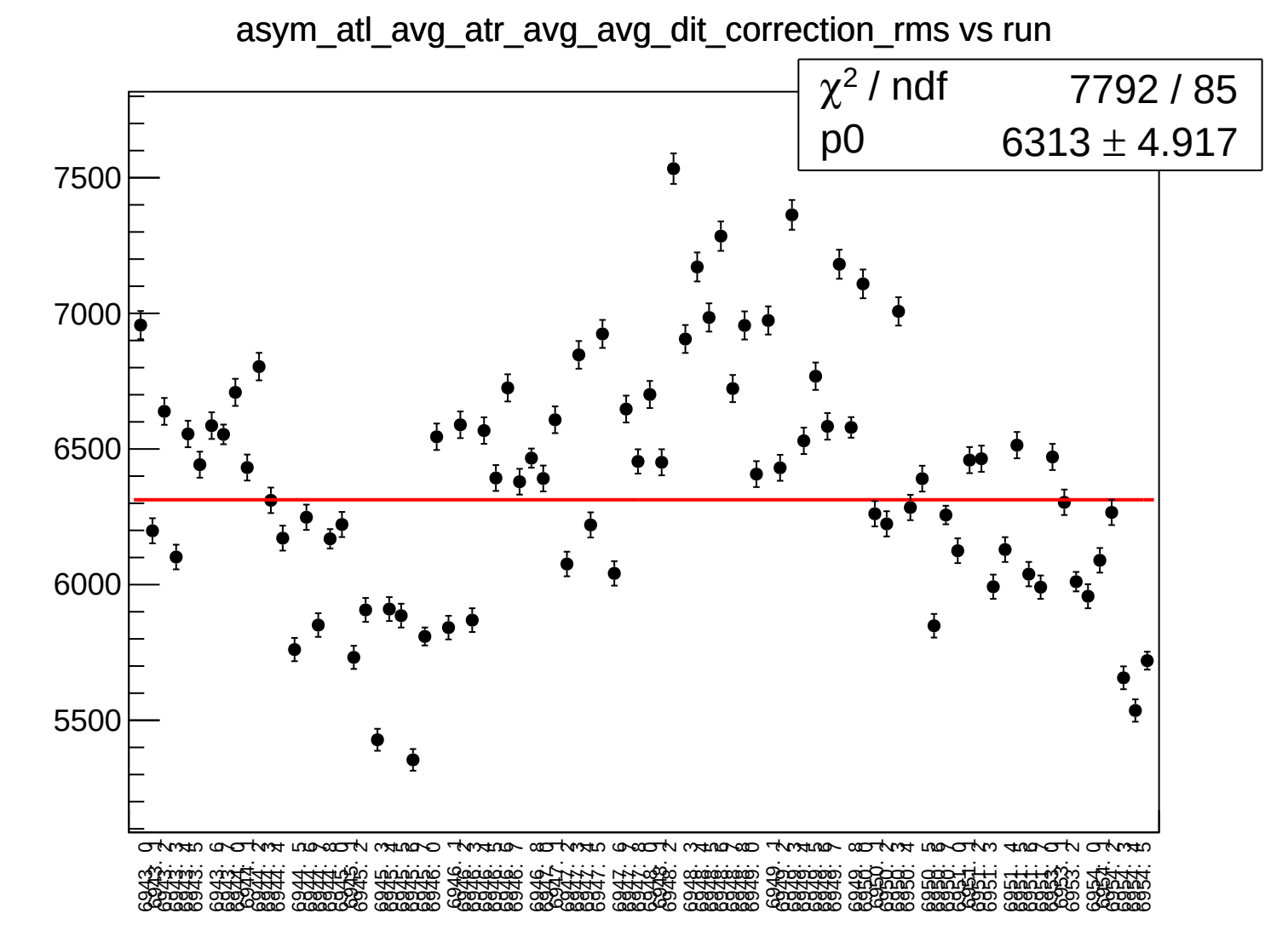

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 102.3 / 85
p0 2183 ± 1465
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 28.47
Std Dev 57.01
2
1
0
−1
−2

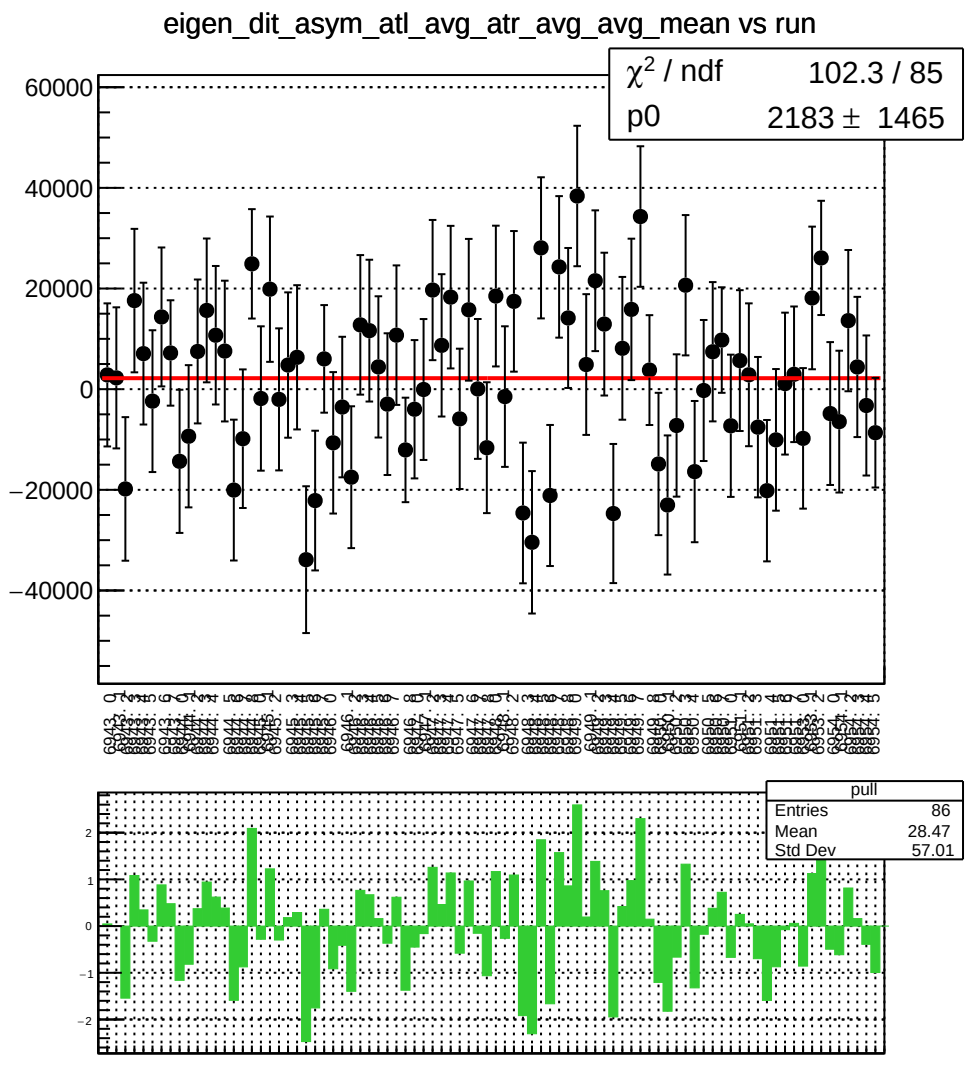

pull1D
Entries 86
Mean −0.01013
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

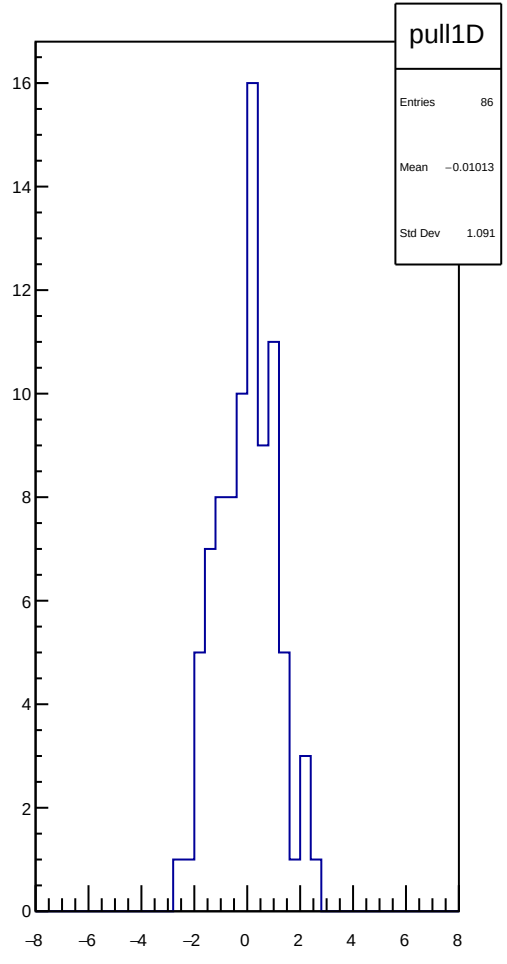

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 197.8 / 85
p0 1333 ± 1.036
1400
1380
1360
1340
1320
1300

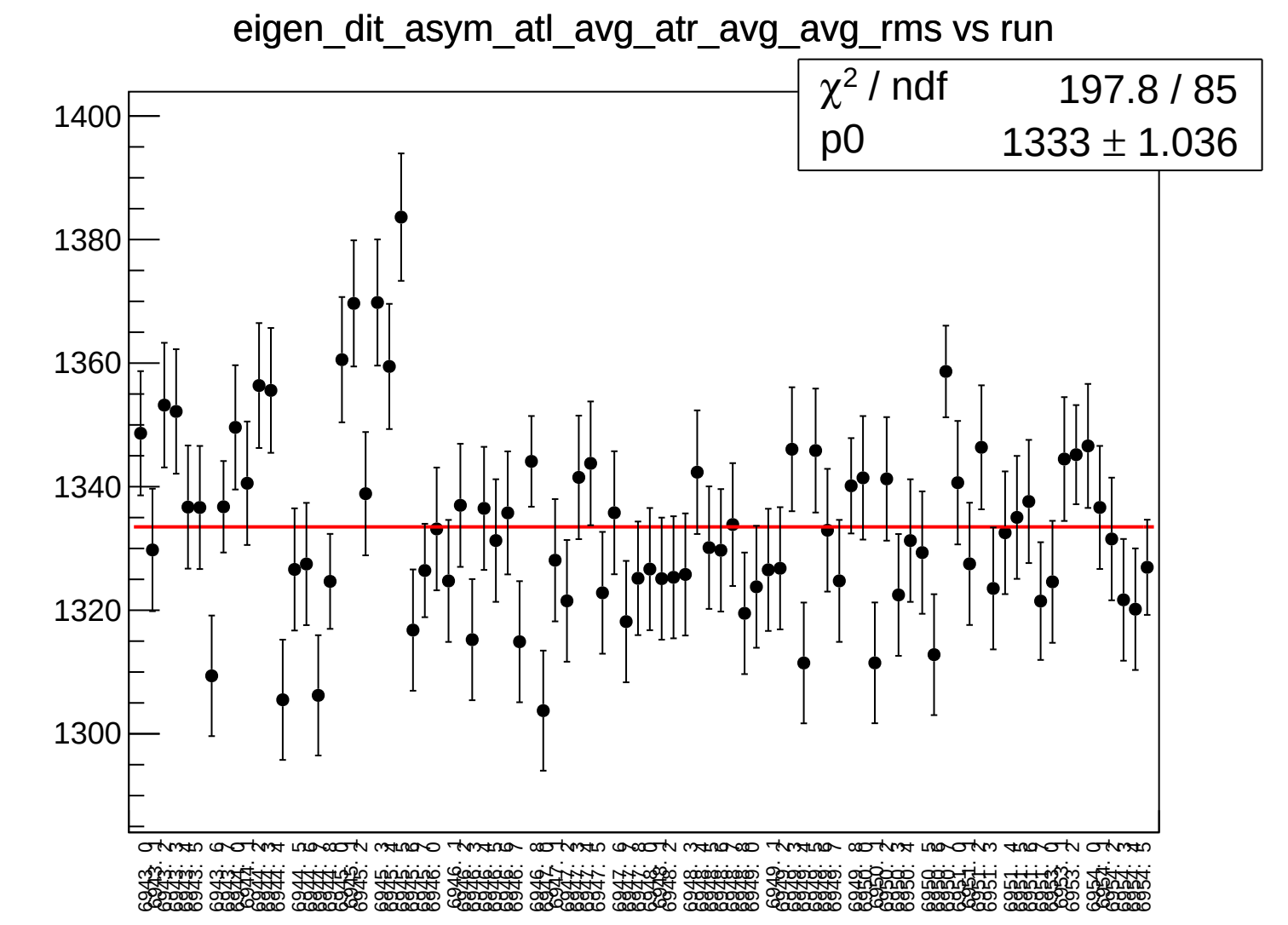

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 603.2 ± 6954
pull
Entries 86
Mean 123.9
Std Dev 0

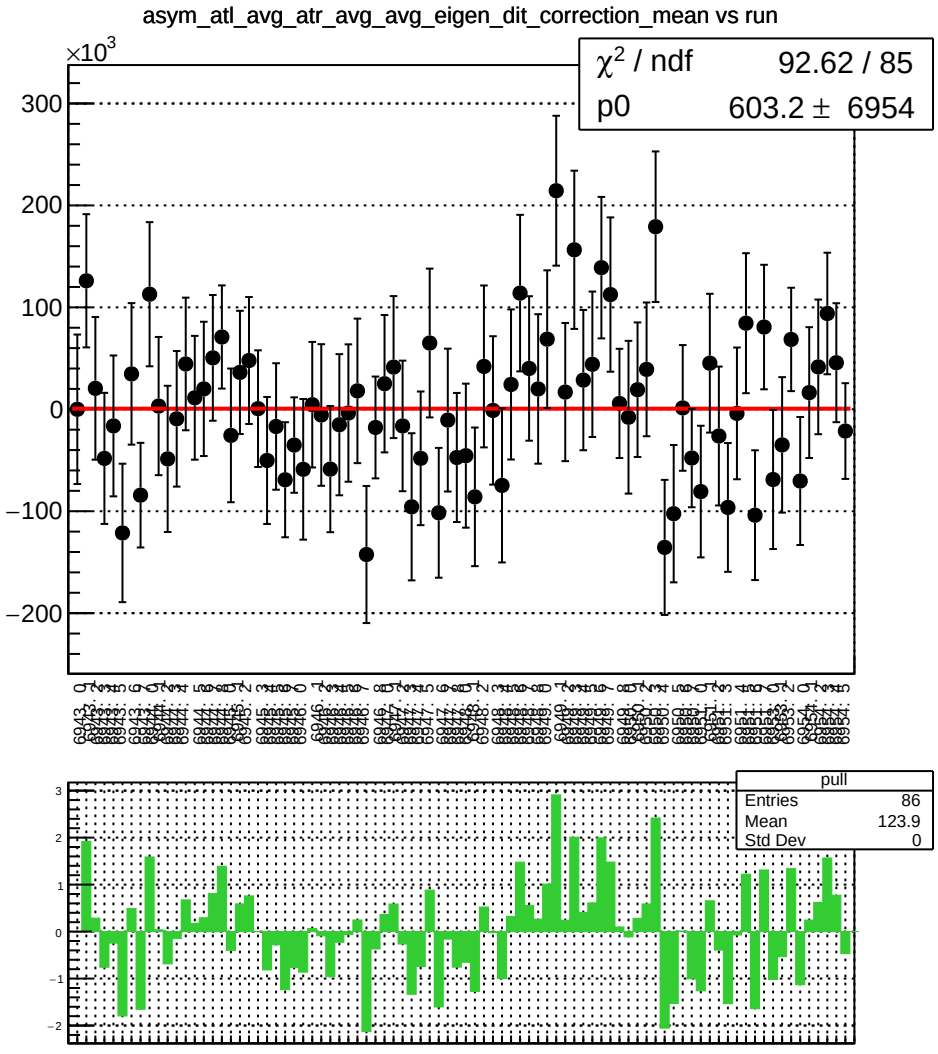

pull1D
Entries 86
Mean 0.02373
Std Dev 1.038

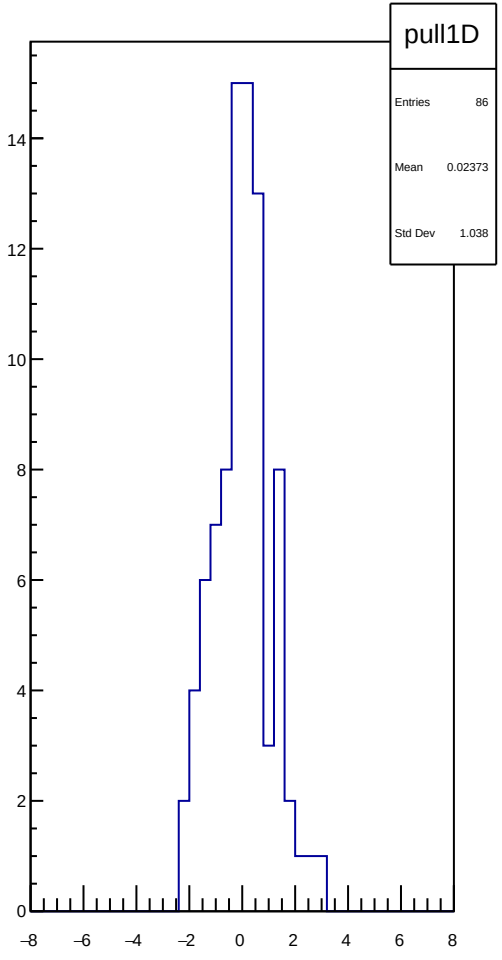

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 7792 / 85
p0 6313 ± 4.917
7500
7000
6500
6000
5500

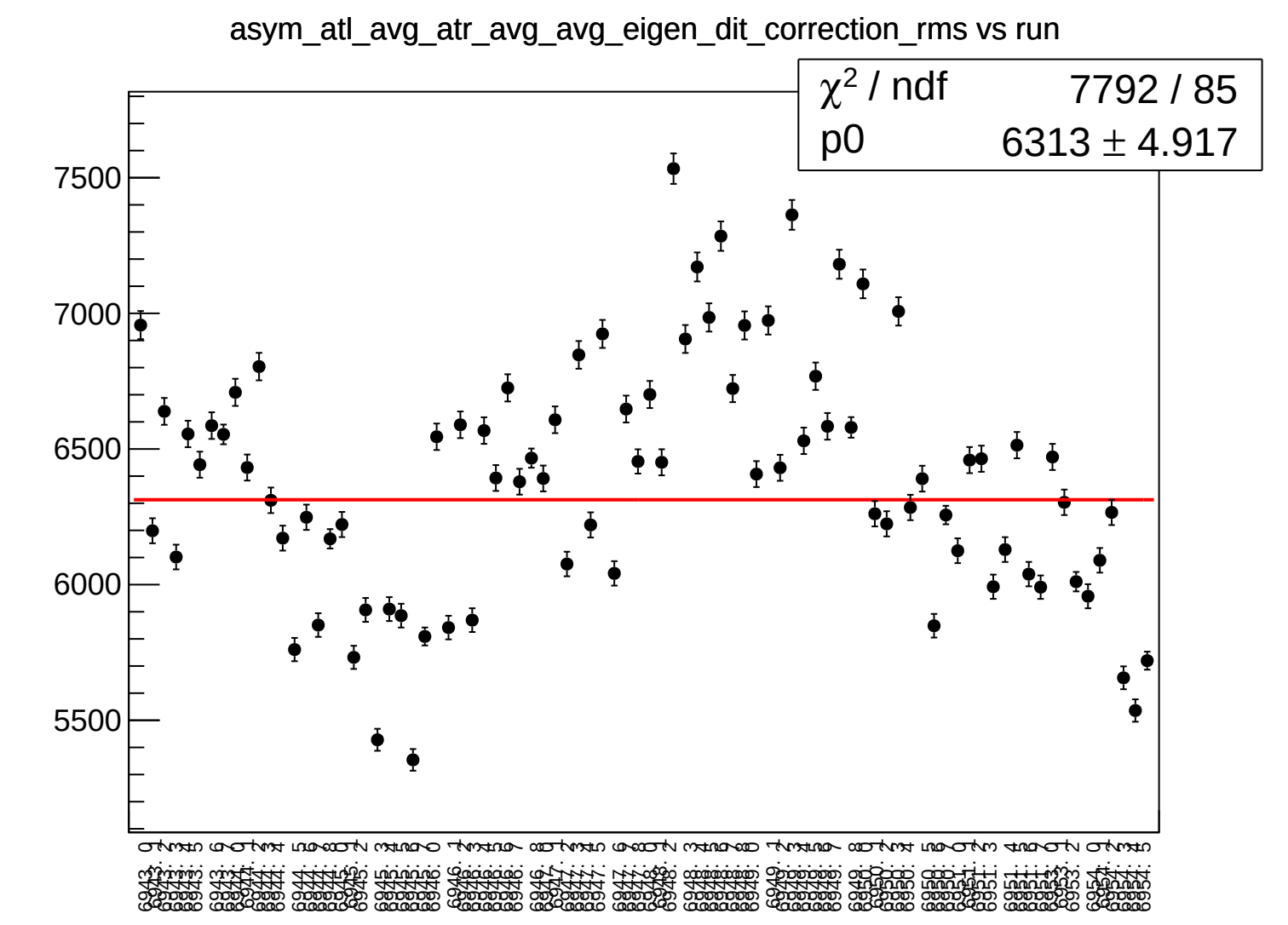

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 102.3 / 85
p0 2183 ± 1465
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 28.47
Std Dev 57.01
2
1
0
−1
−2

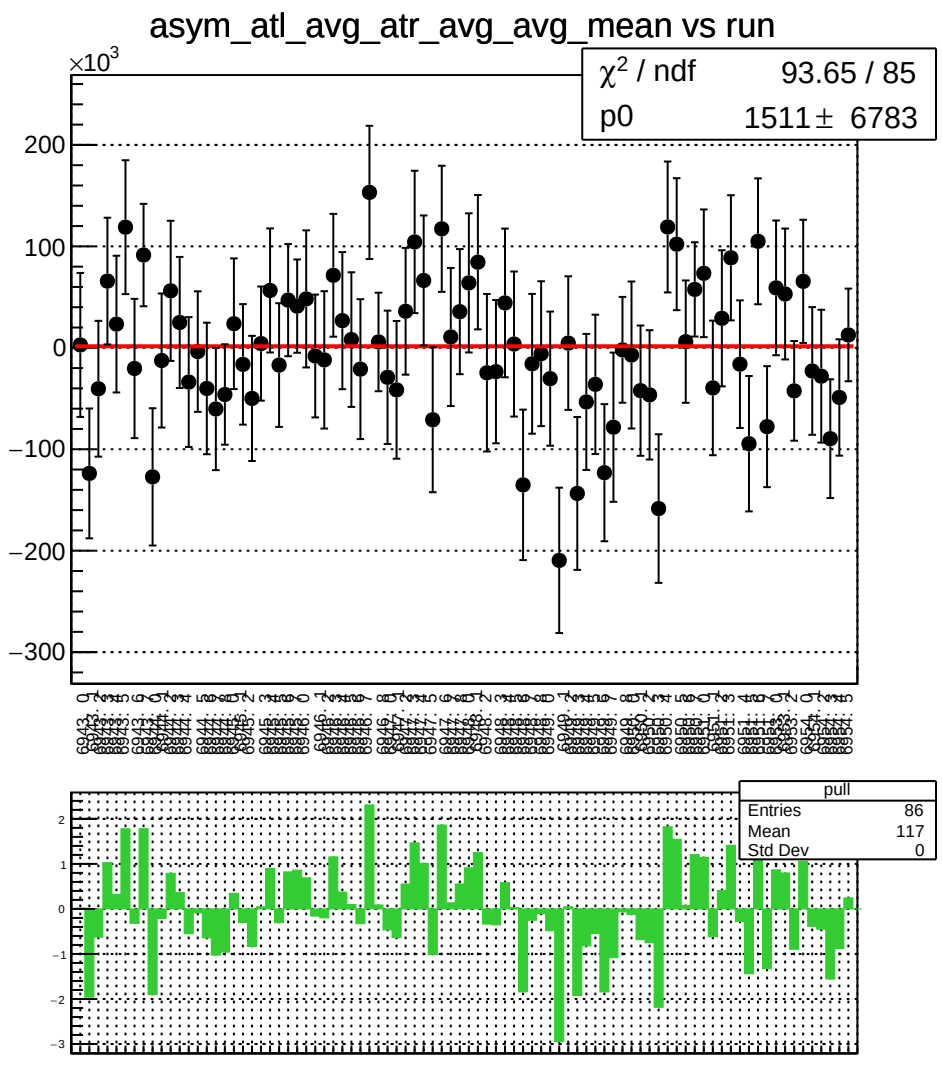

pull1D
Entries 86
Mean −0.01013
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

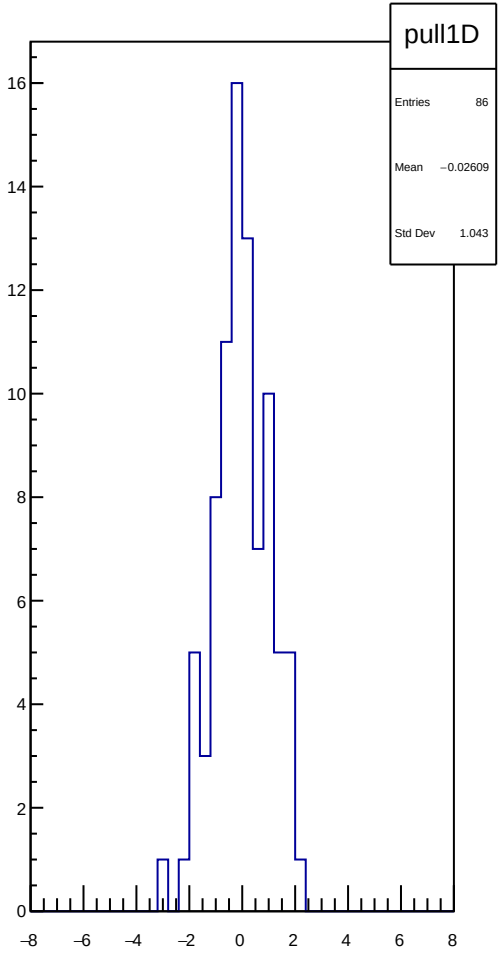

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 197.8 / 85
p0 1333 ± 1.036
1400
1380
1360
1340
1320
1300

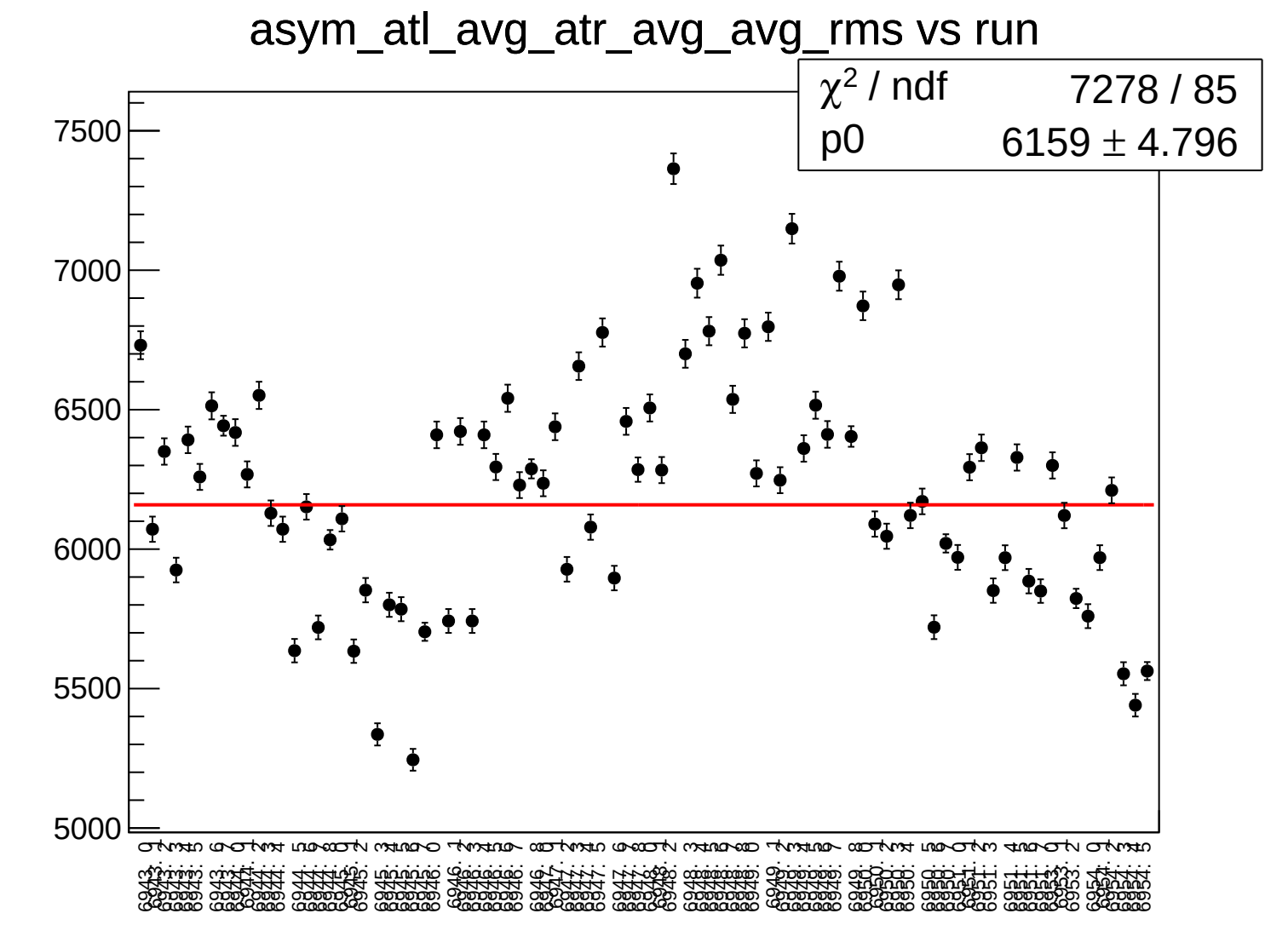

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 603.2 ± 6954
pull
Entries 86
Mean 123.9
Std Dev 0

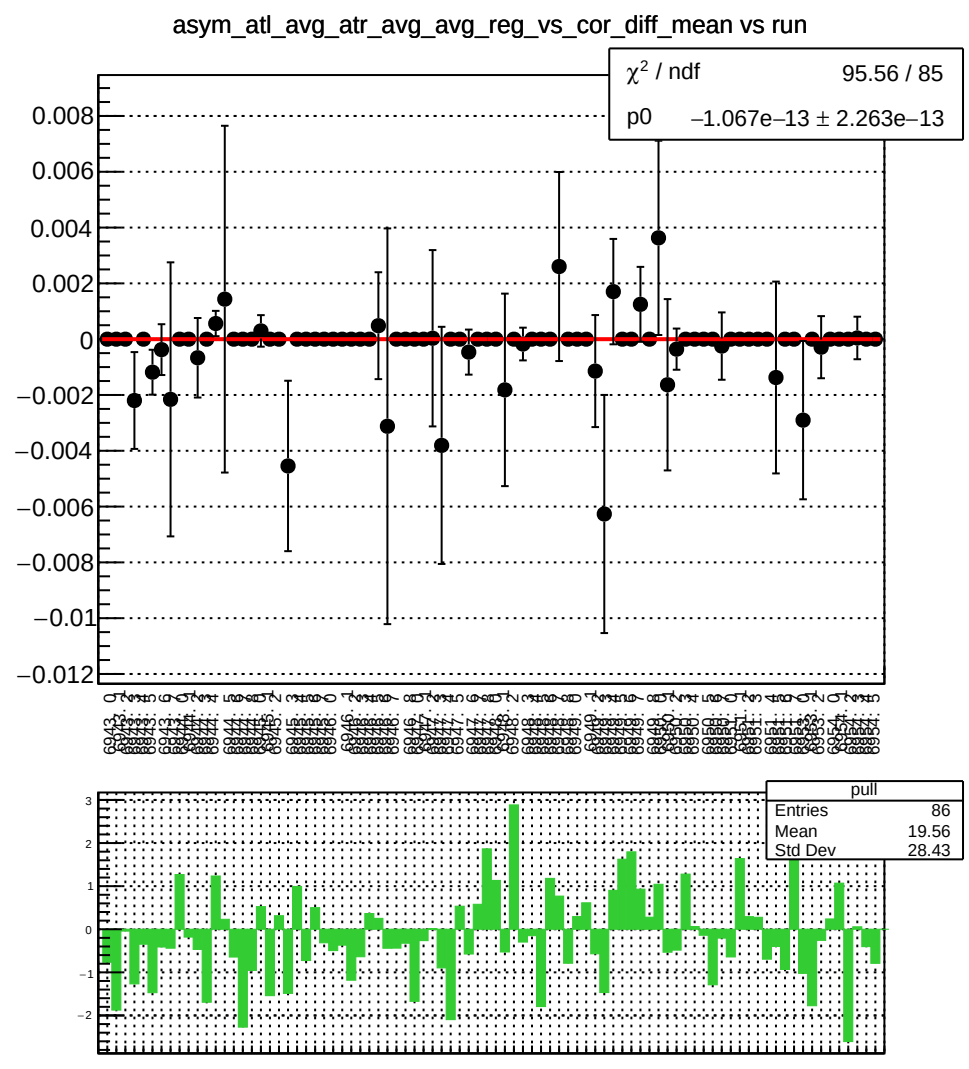

pull1D
Entries 86
Mean 0.02373
Std Dev 1.038

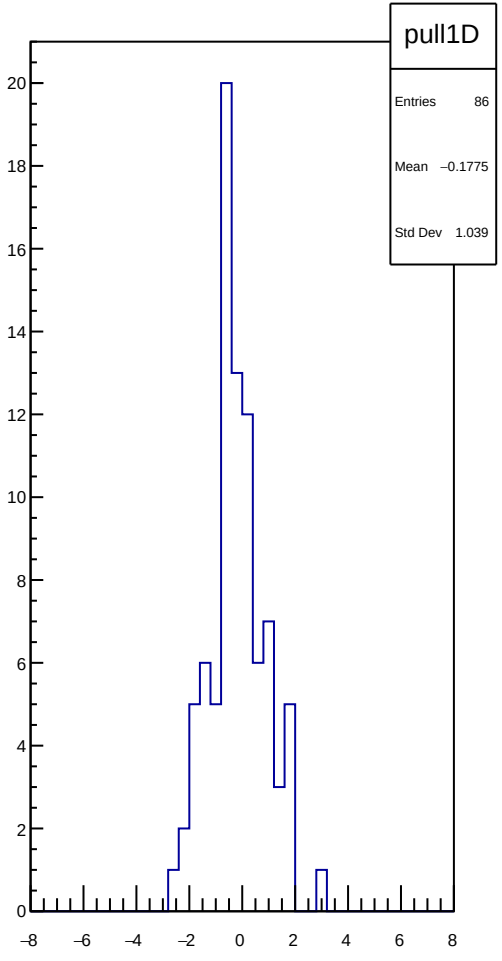

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7792 / 85
p0 6313 ± 4.917
7500
7000
6500
6000
5500

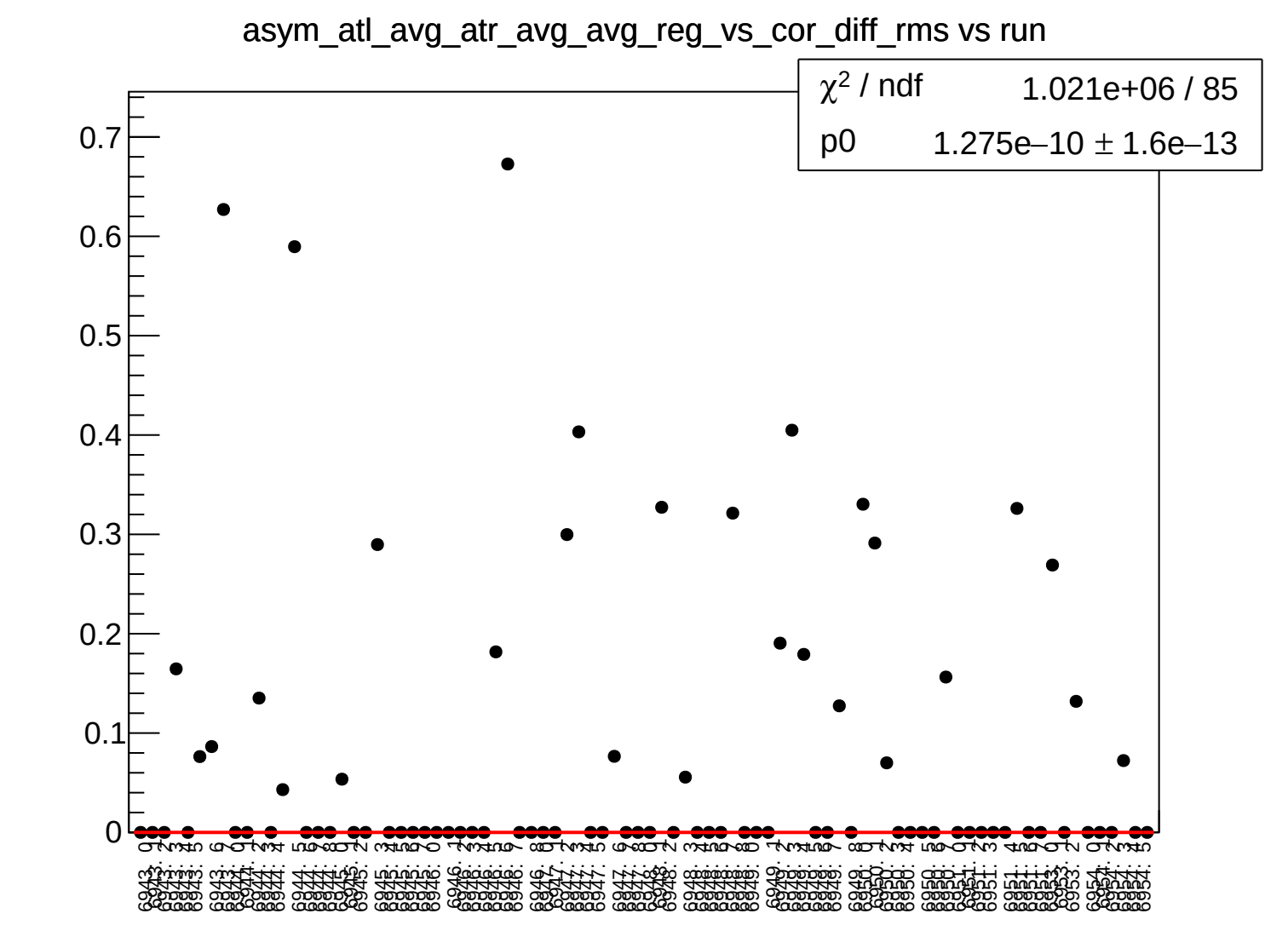

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 93.65 / 85
p0 1511 ± 6783
pull
Entries 86
Mean 117
Std Dev 0

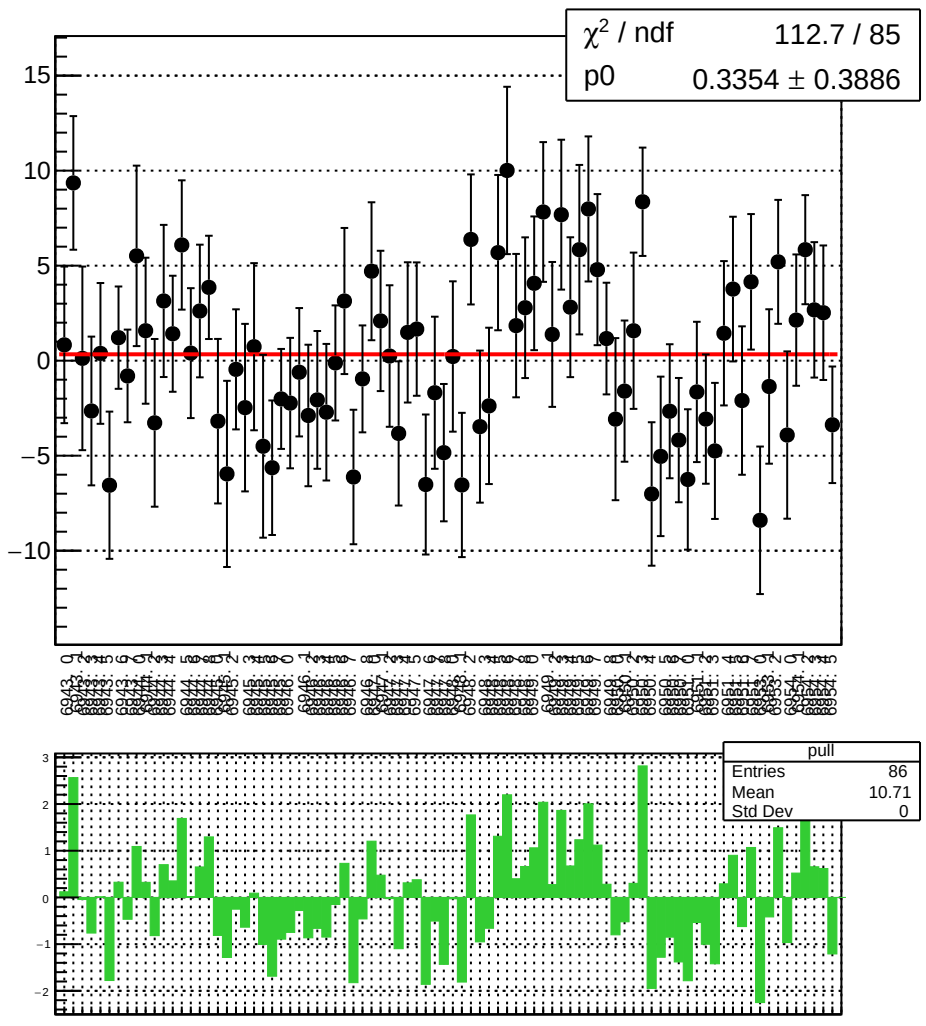

pull1D
Entries 86
Mean −0.02609
Std Dev 1.043

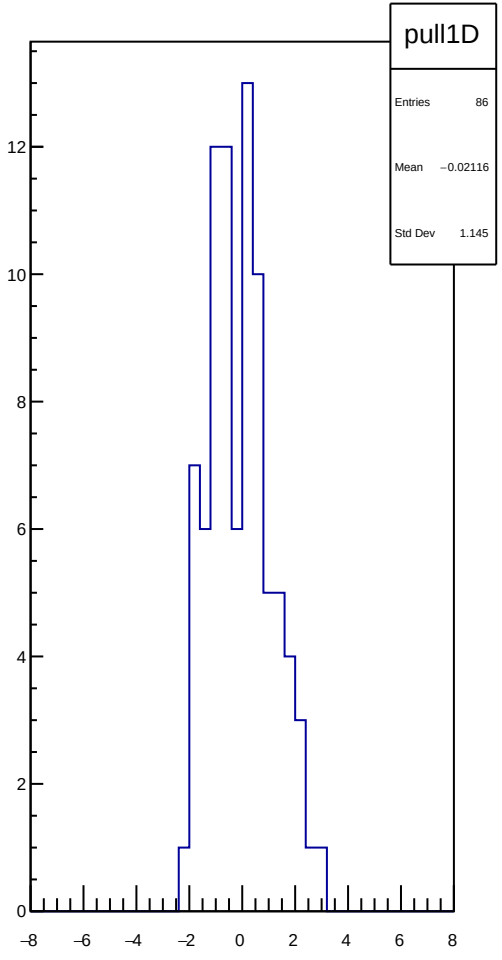

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7278 / 85
p0 6159 ± 4.796
7500
7000
6500
6000
5500
5000

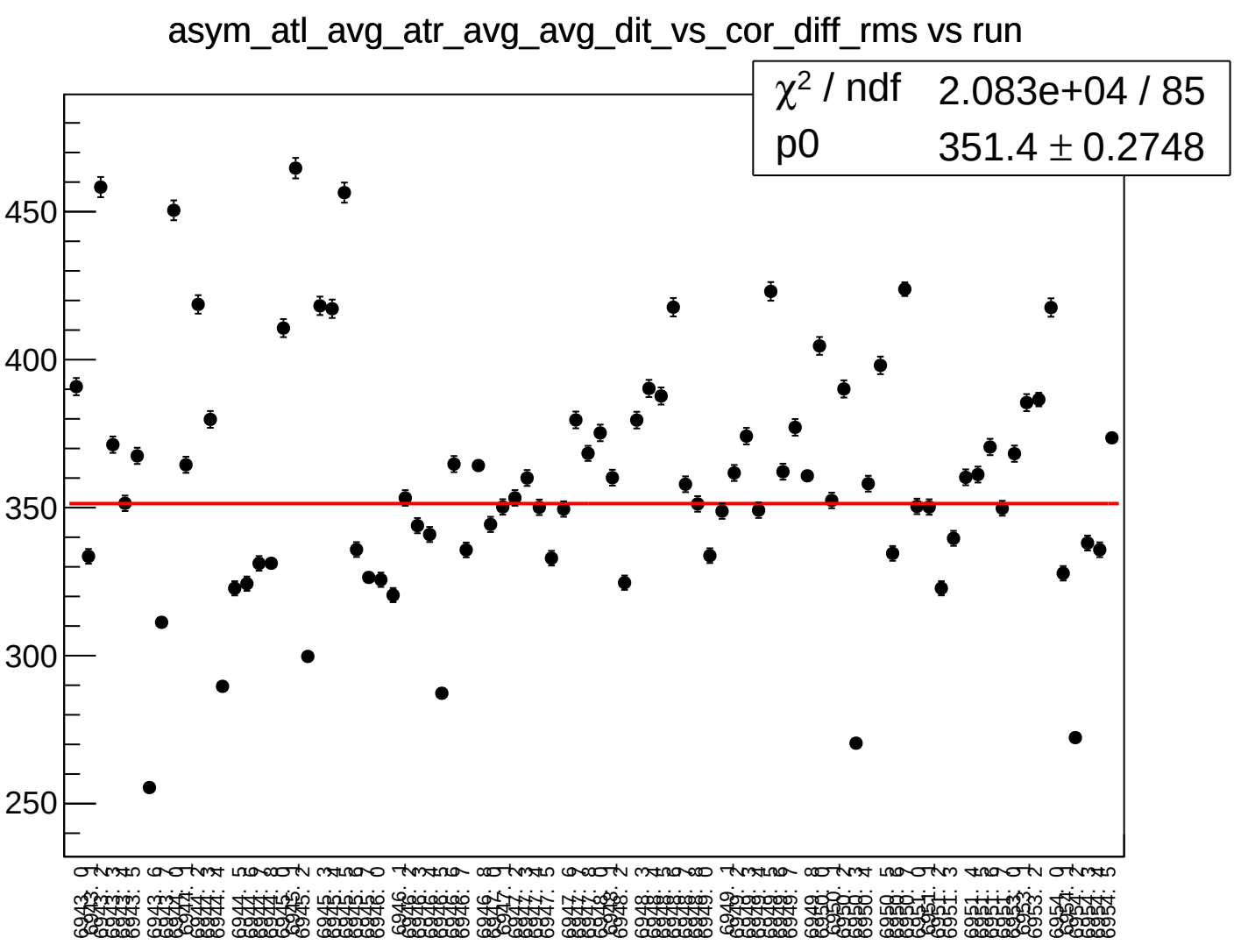

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.56 / 85
p0 −1.067e−13 ± 2.263e−13
pull
Entries 86
Mean 19.56
Std Dev 28.43

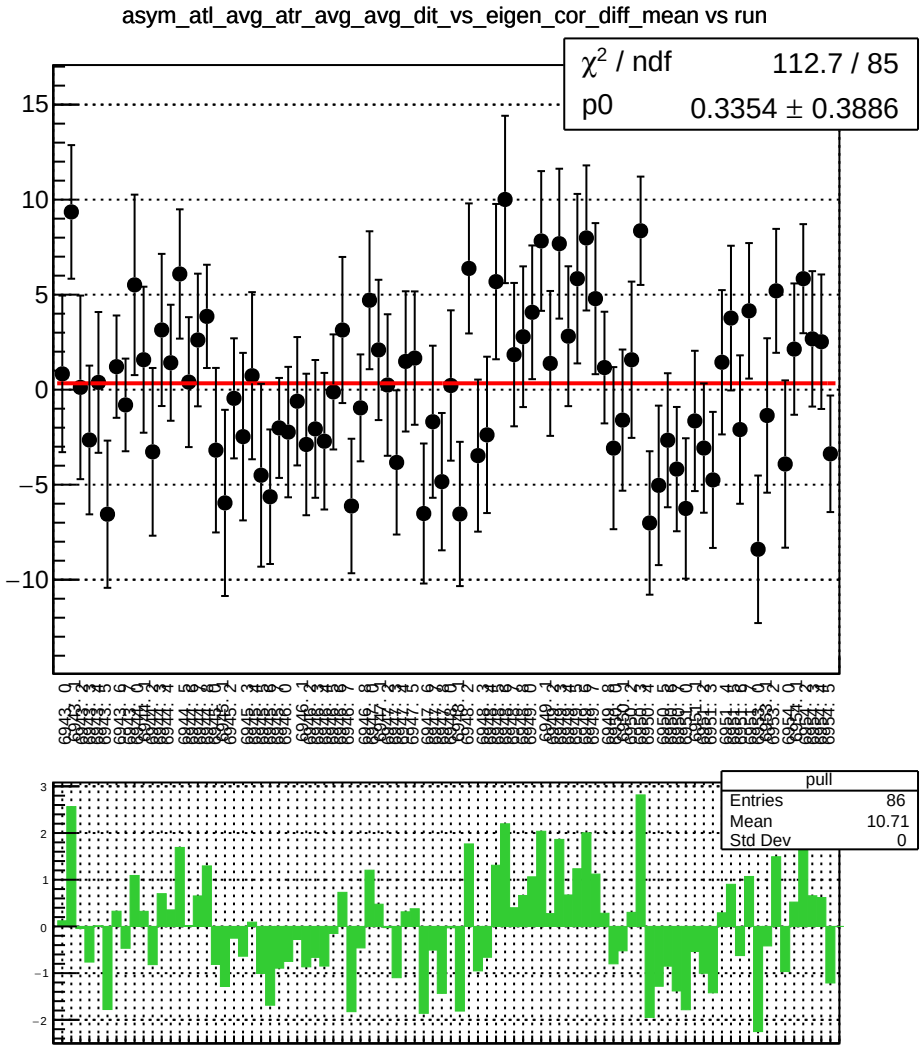

pull1D
Entries 86
Mean −0.1775
Std Dev 1.039

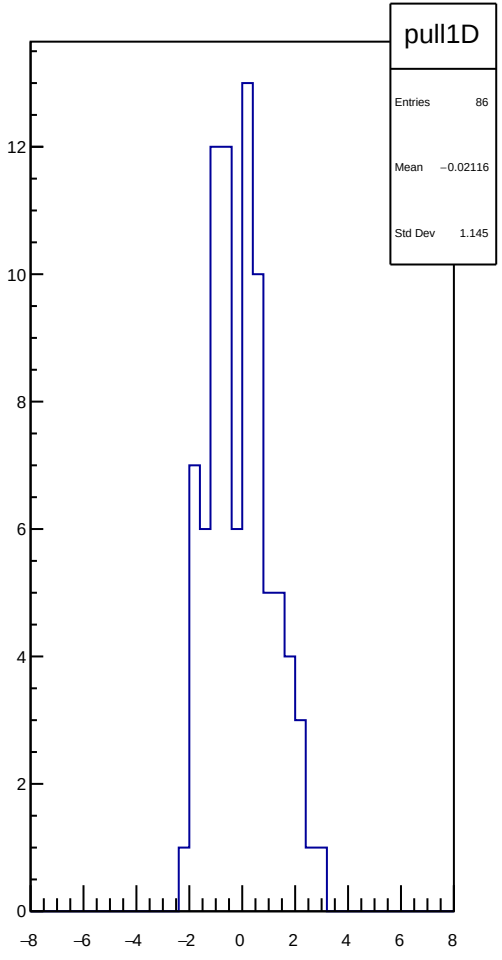

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.021e+06 / 85
p0 1.275e−10 ± 1.6e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

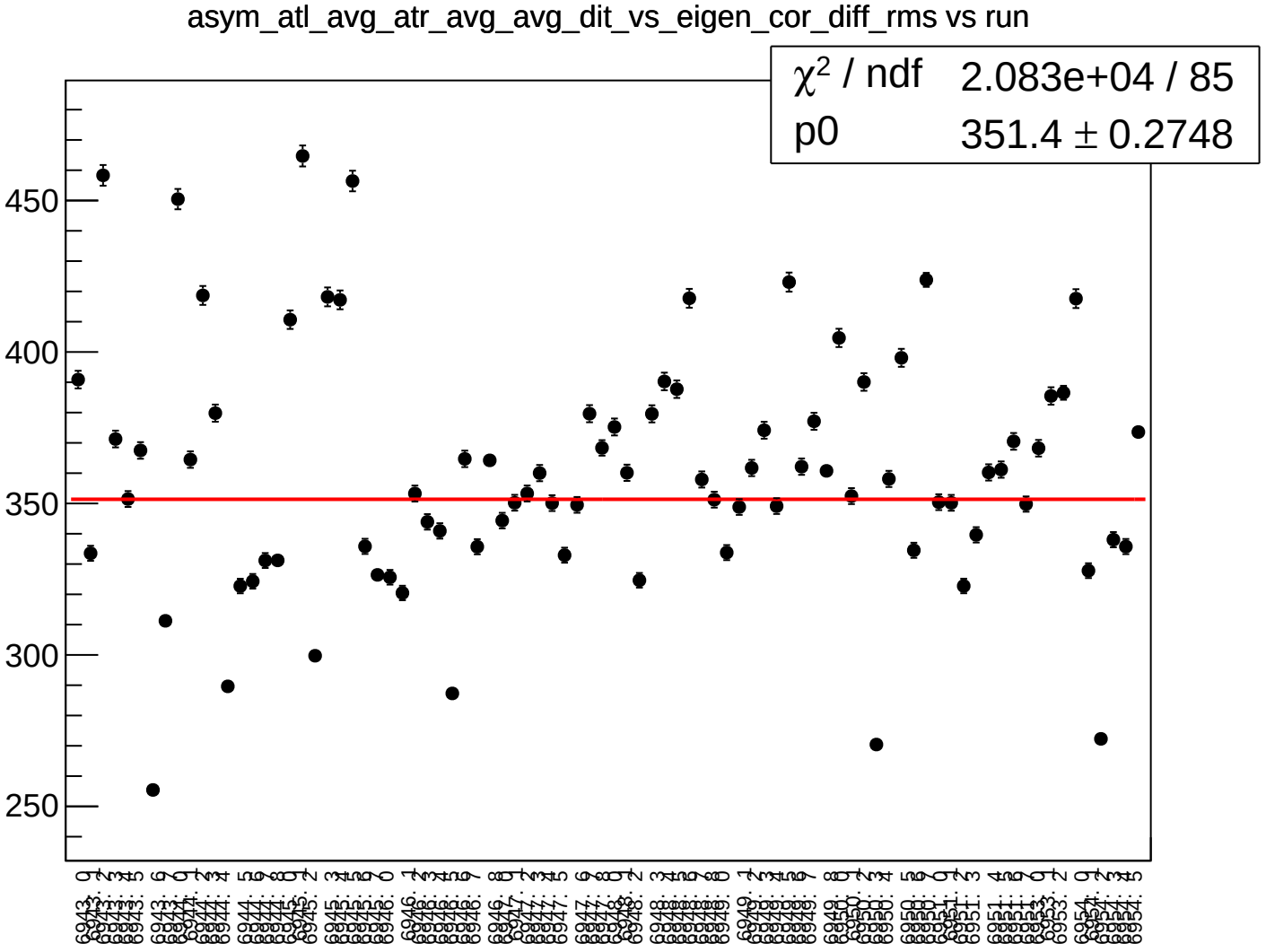

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 112.7 / 85
p0 0.3354 ± 0.3886
pull
Entries 86
Mean 10.71
Std Dev 0

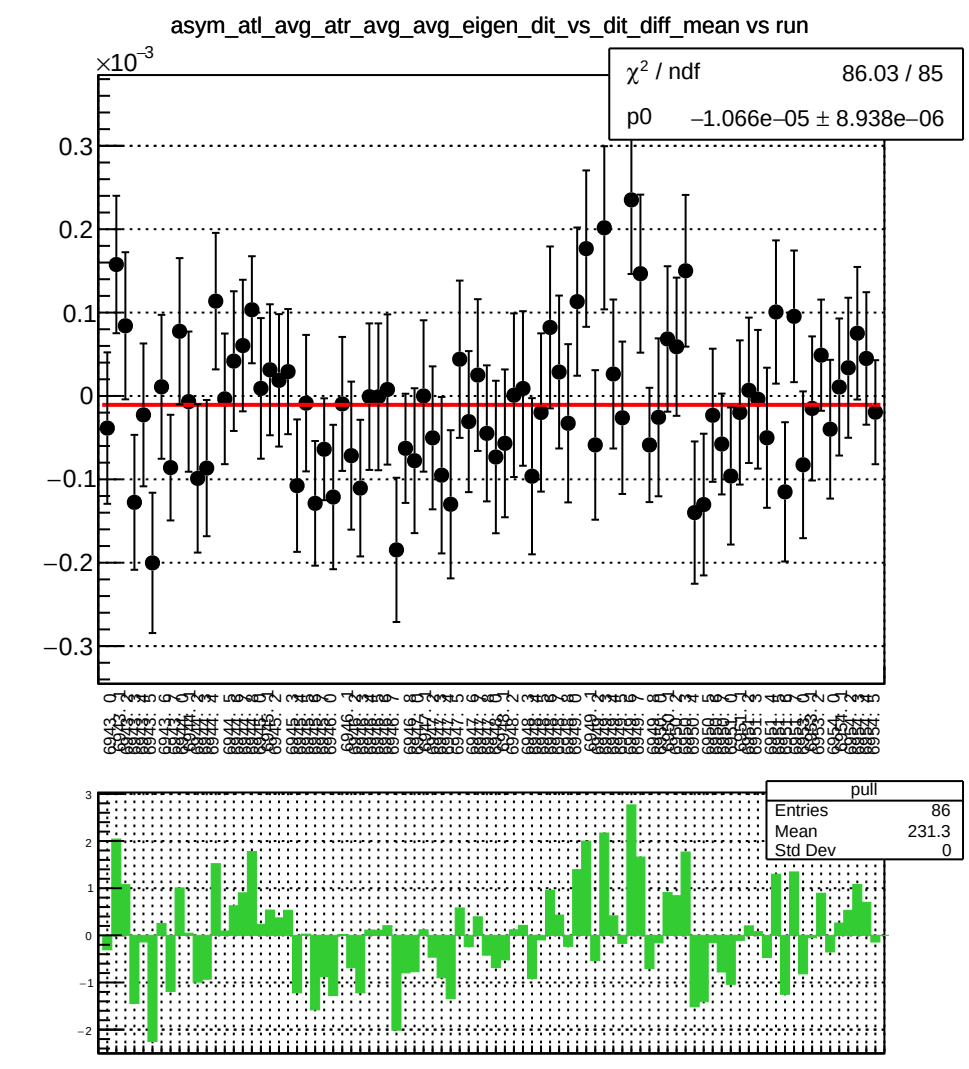

pull1D
Entries 86
Mean −0.02116
Std Dev 1.145

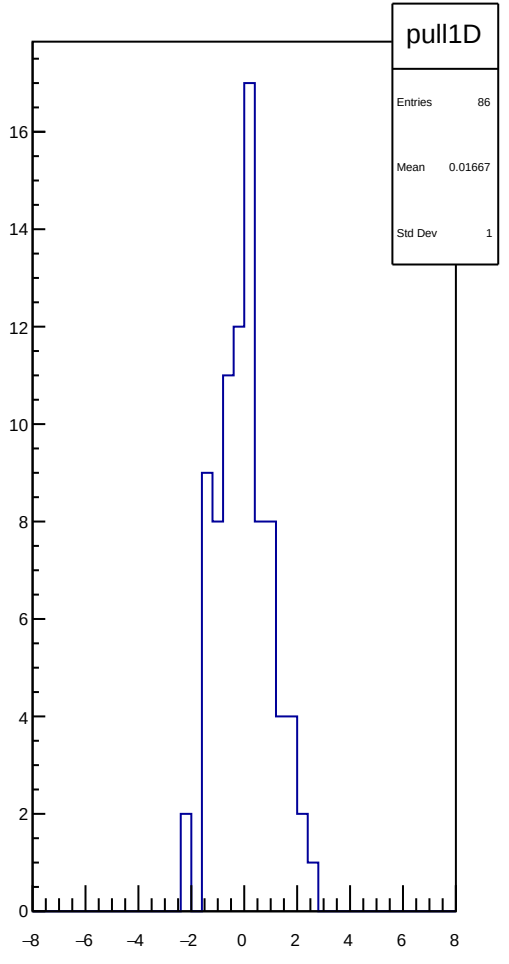

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.083e+04 / 85
p0 351.4 ± 0.2748
450
400
350
300
250

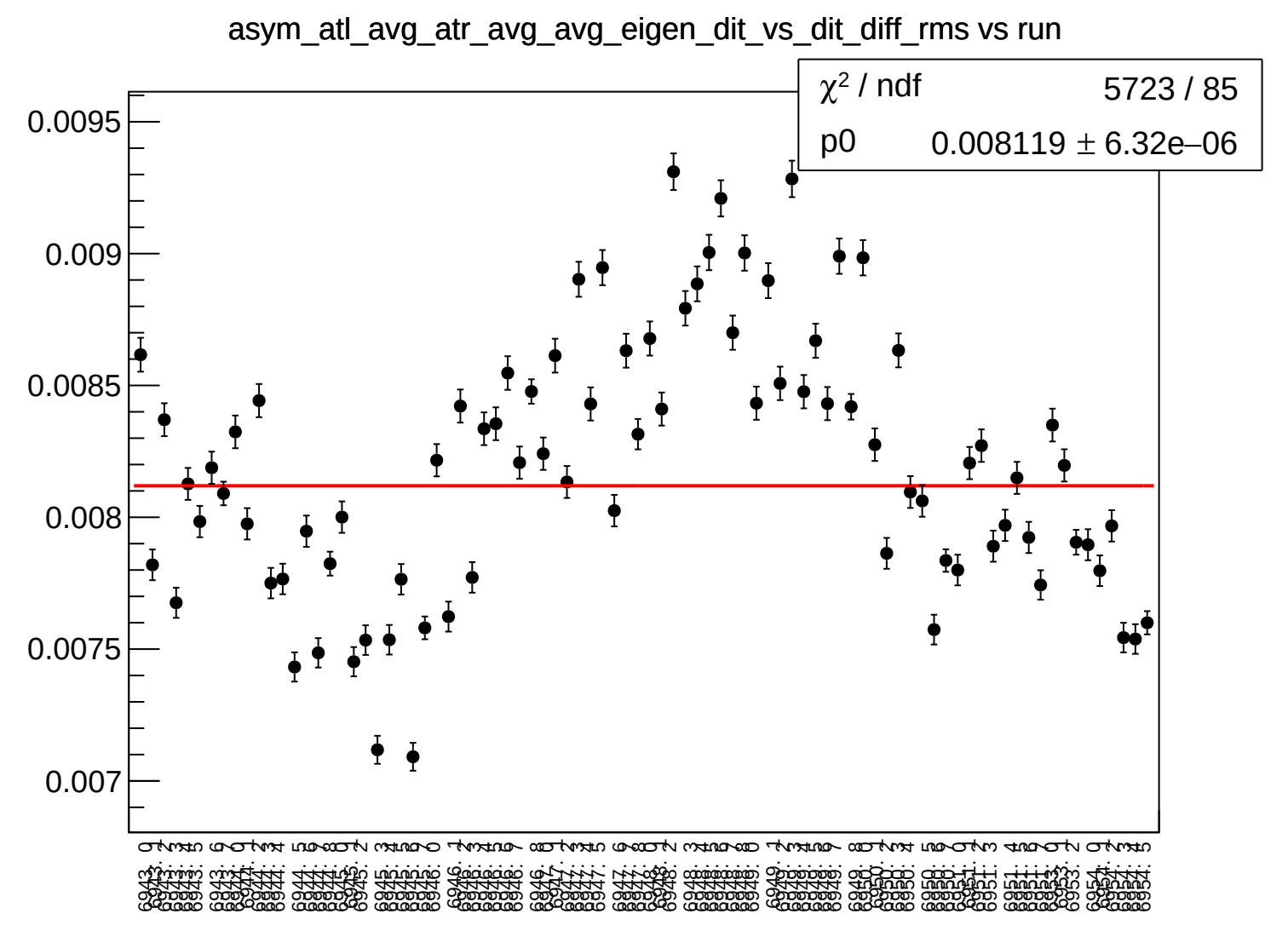

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 112.7 / 85
p0 0.3354 ± 0.3886
pull
Entries 86
Mean 10.71
Std Dev 0

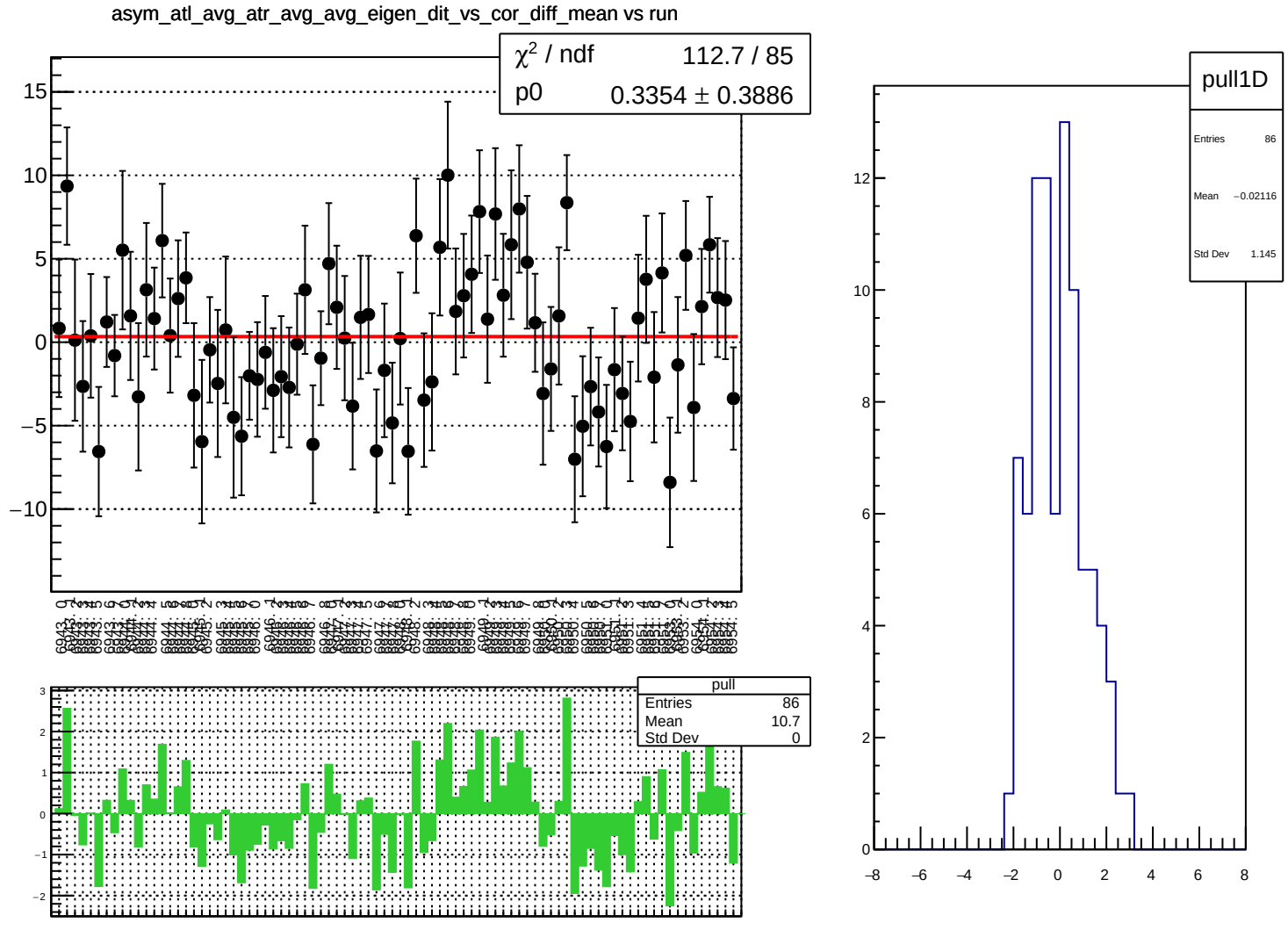

pull1D
Entries 86
Mean −0.02116
Std Dev 1.145

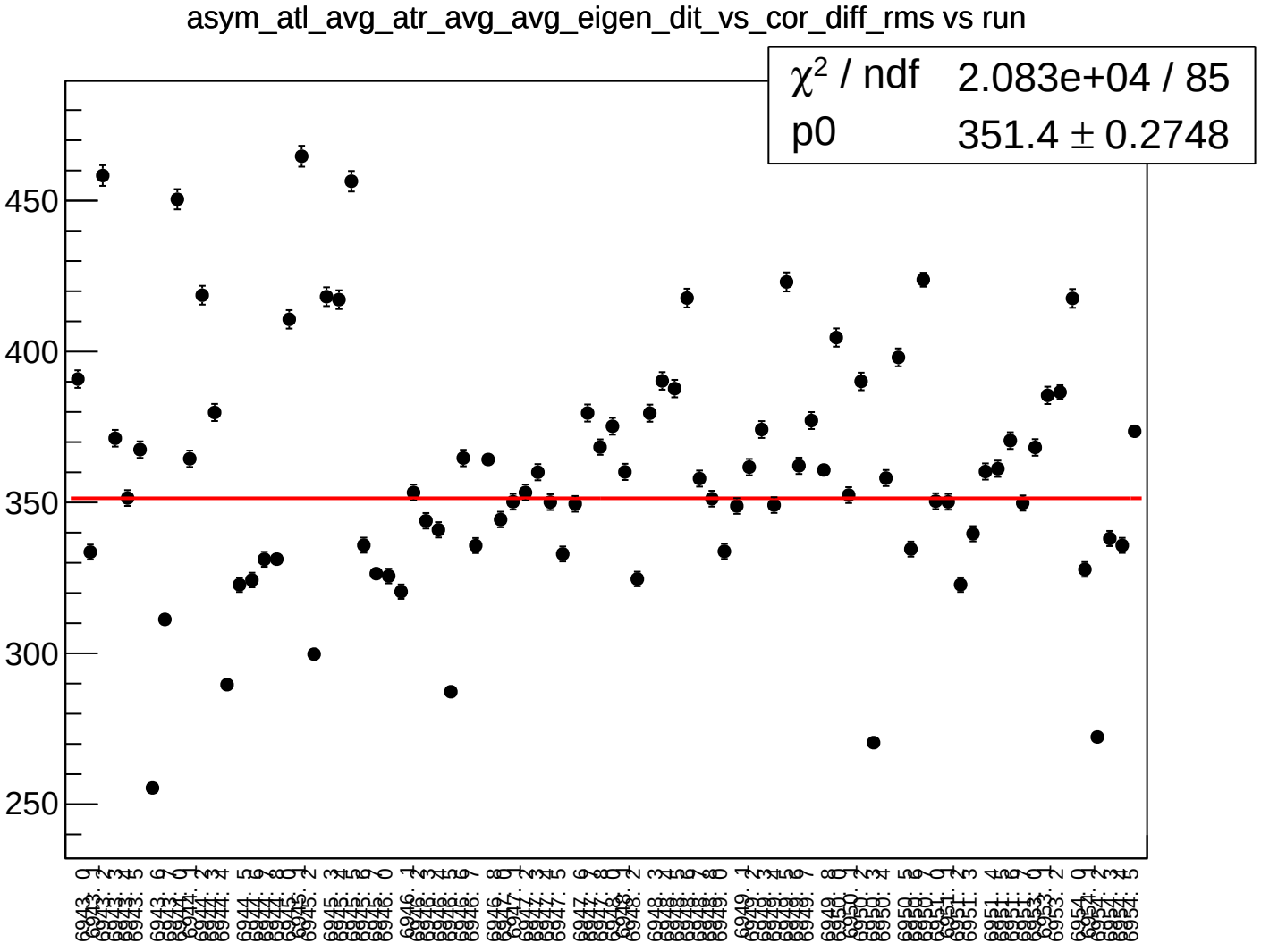

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.083e+04 / 85
p0 351.4 ± 0.2748
450
400
350
300
250

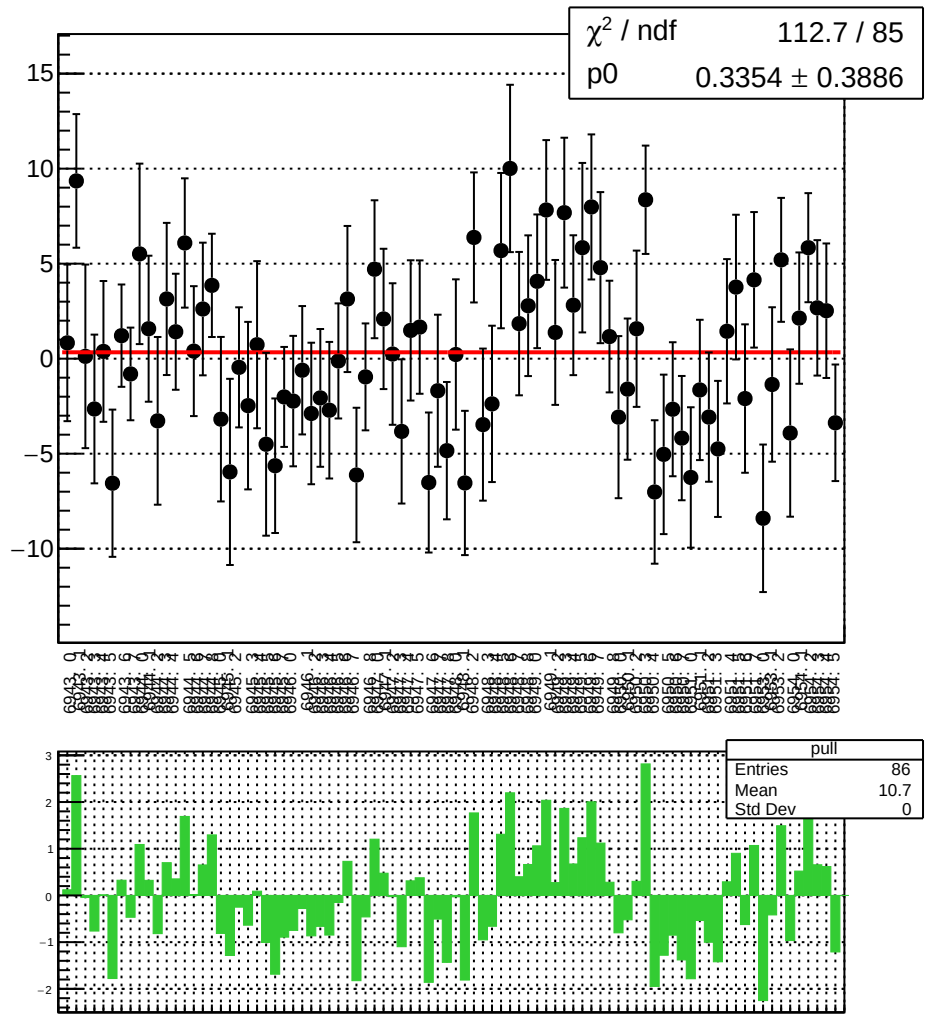

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.03 / 85
p0 −1.066e−05 ± 8.938e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 86
Mean 231.3
Std Dev 0
3
2
1
0
−1
−2

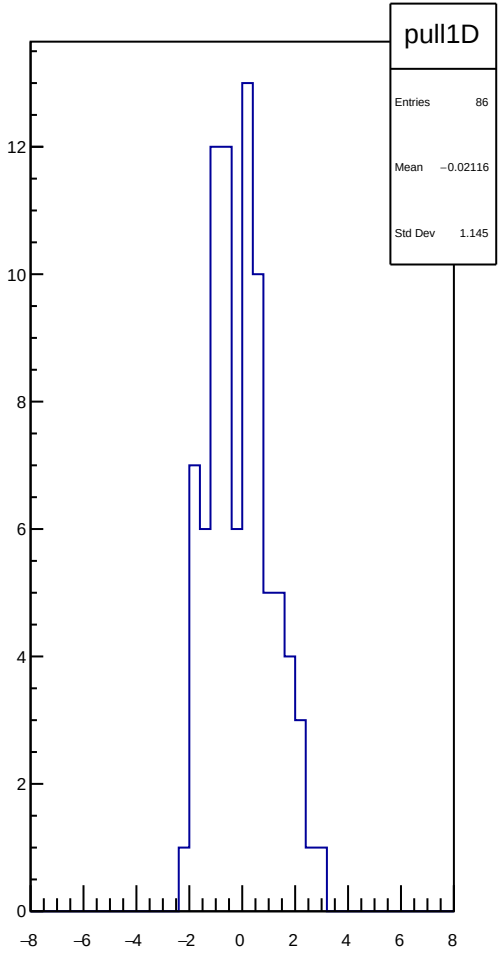

pull1D
Entries 86
Mean 0.01667
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

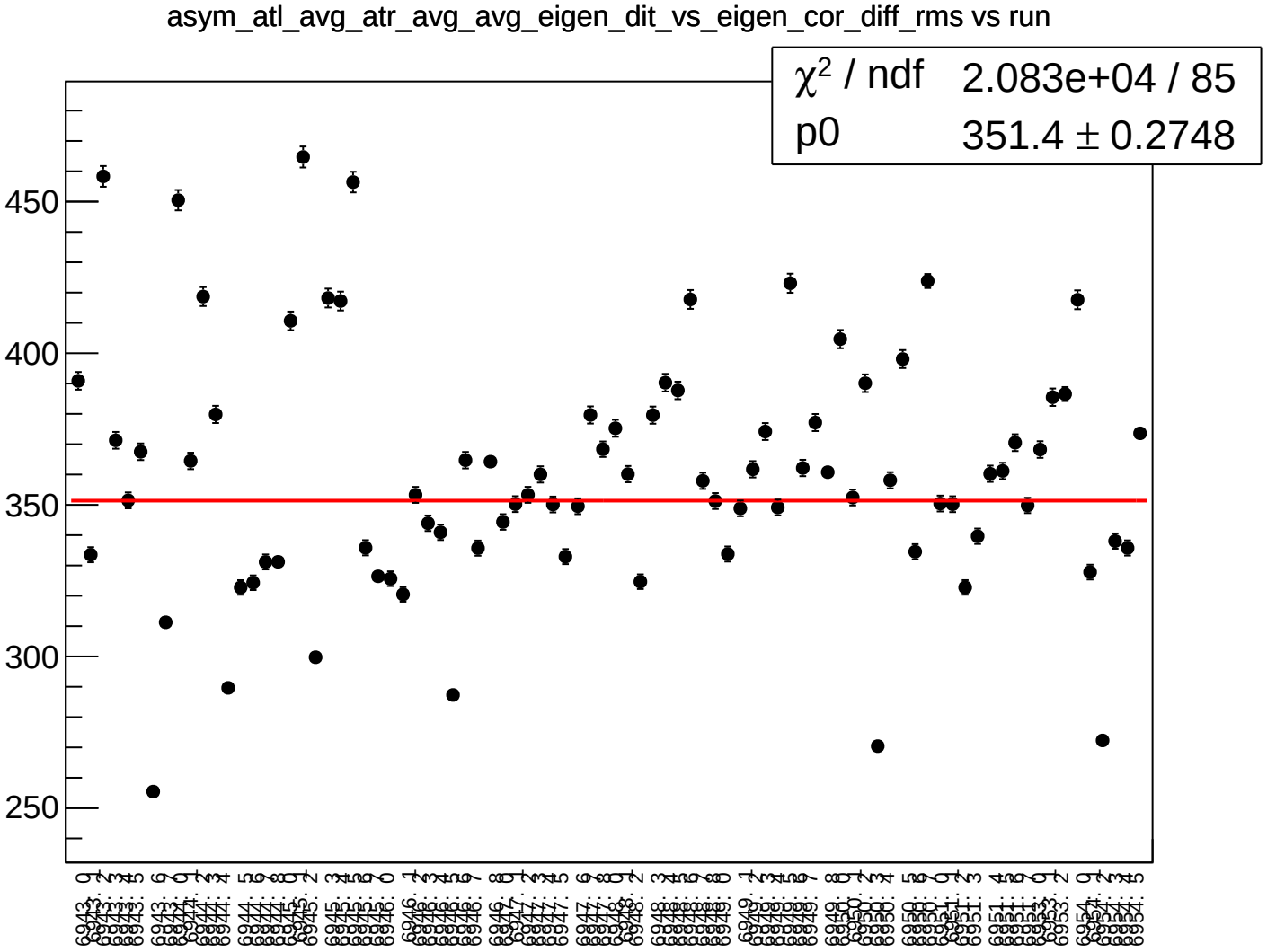

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5723 / 85
p0 0.008119 ± 6.32e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

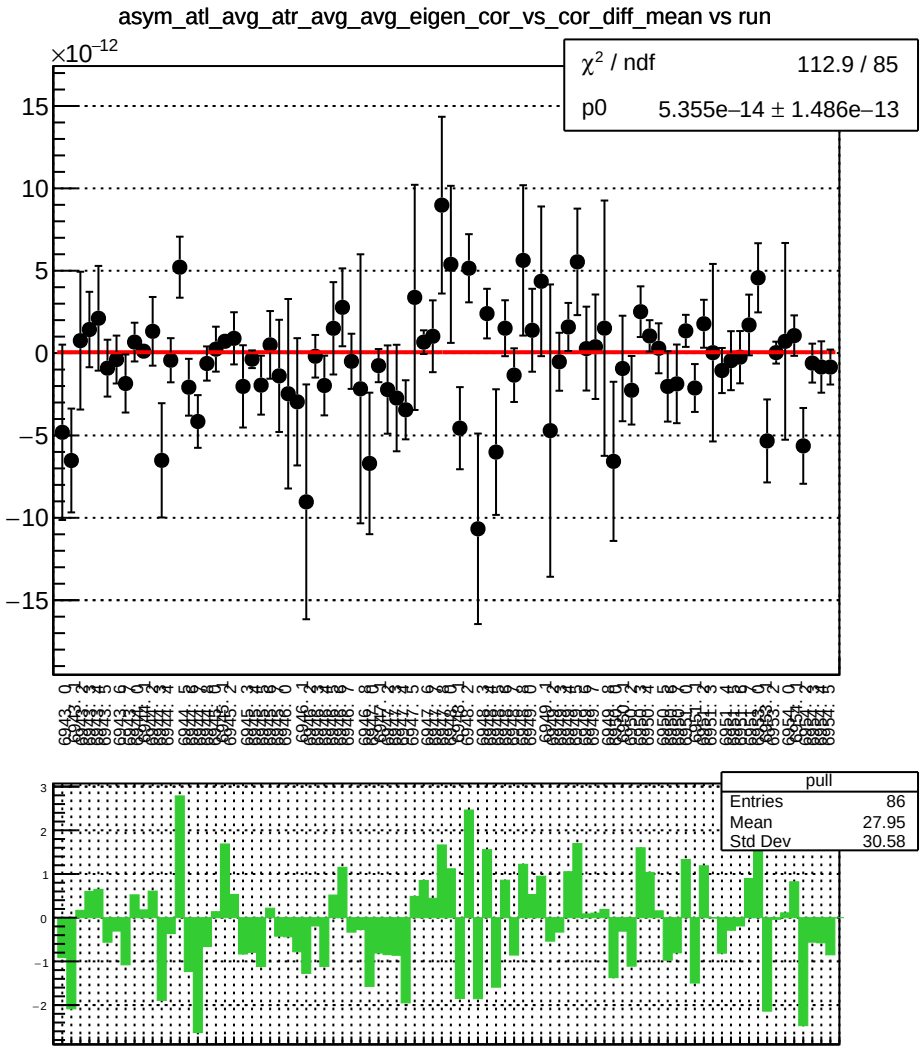

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 112.7 / 85
p0 0.3354 ± 0.3886
pull
Entries 86
Mean 10.7
Std Dev 0
pull1D
Entries 86
Mean −0.02116
Std Dev 1.145

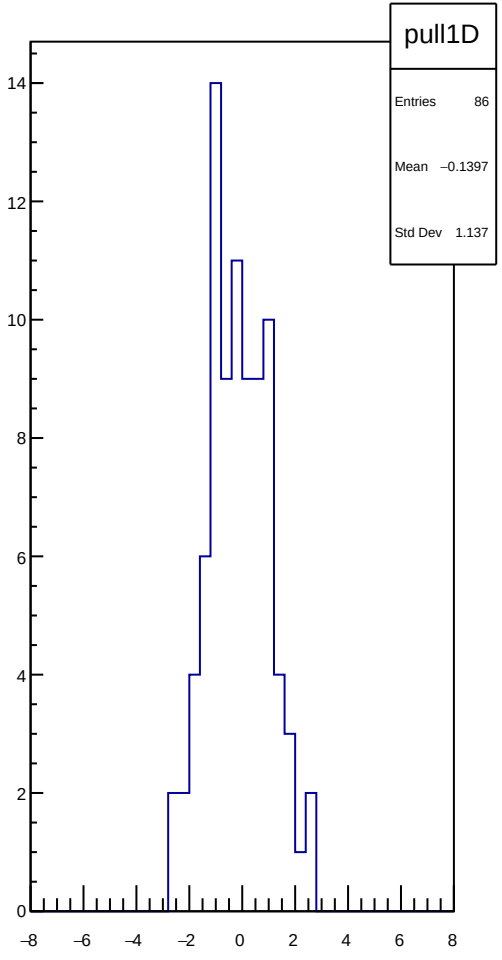

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.083e+04 / 85
p0 351.4 ± 0.2748
450
400
350
300
250

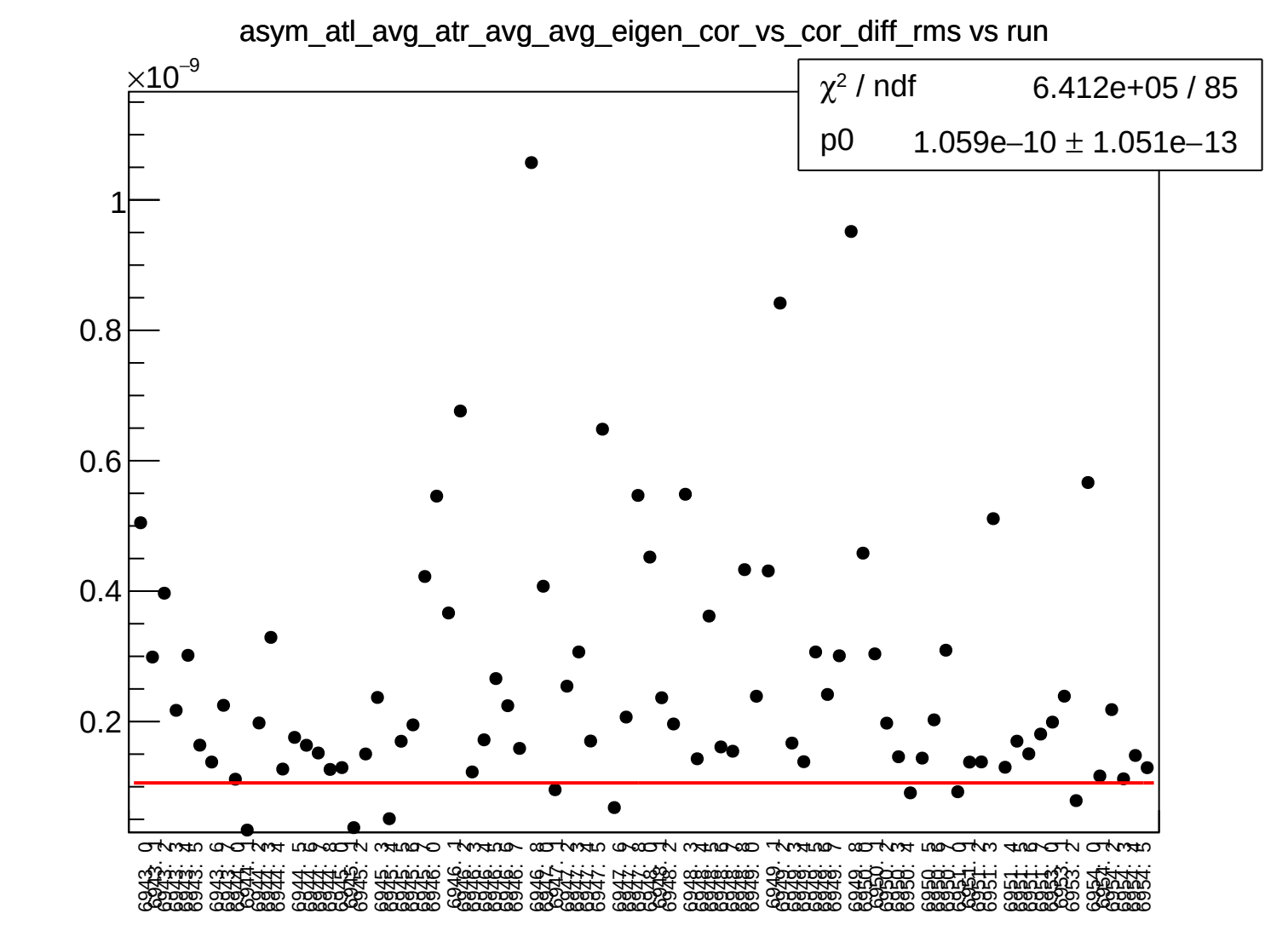

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 112.7 / 85
p0 0.3354 ± 0.3886
pull
Entries 86
Mean 10.7
Std Dev 0

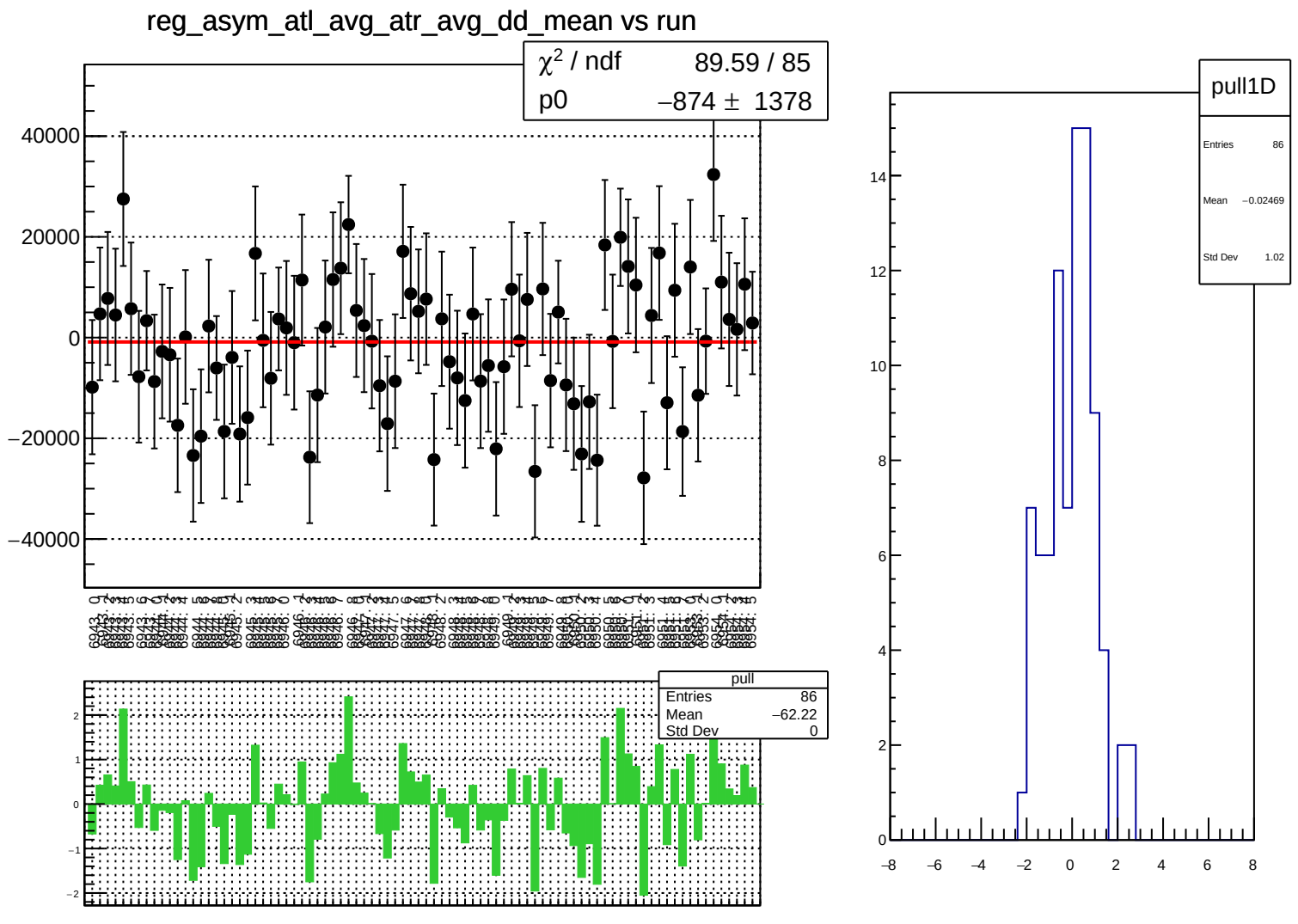

pull1D
Entries 86
Mean −0.02116
Std Dev 1.145

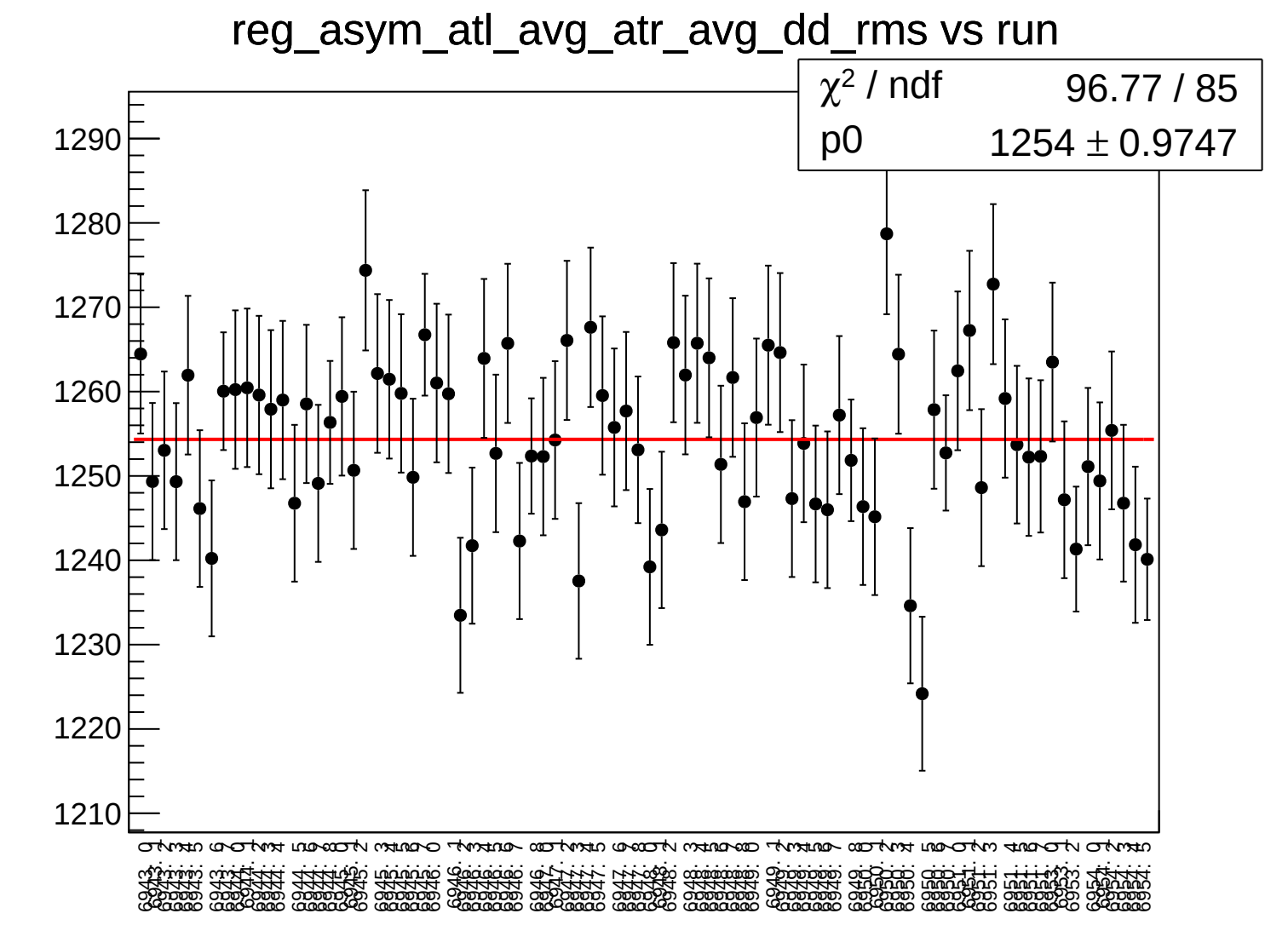

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.083e+04 / 85
p0 351.4 ± 0.2748
450
400
350
300
250

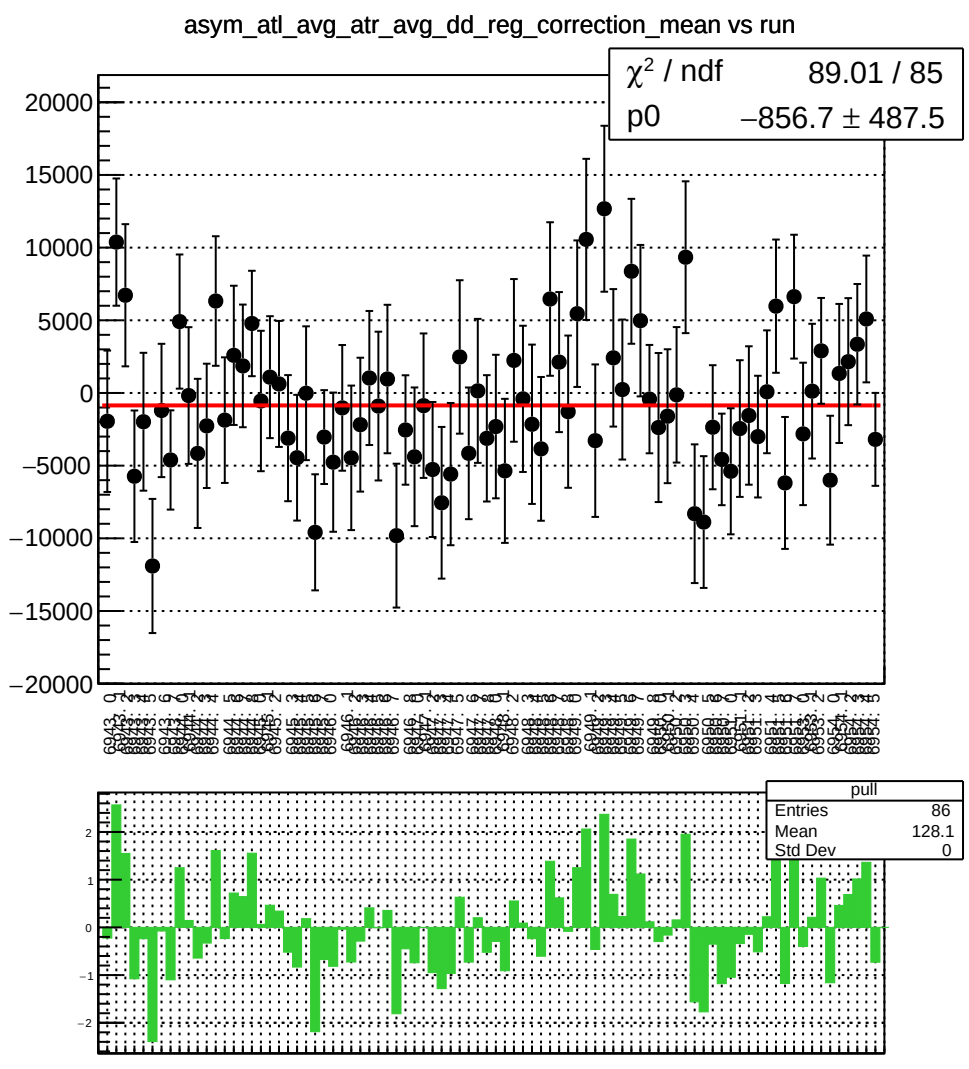

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 112.9 / 85
p0 5.355e−14 ± 1.486e−13
pull
Entries 86
Mean 27.95
Std Dev 30.58

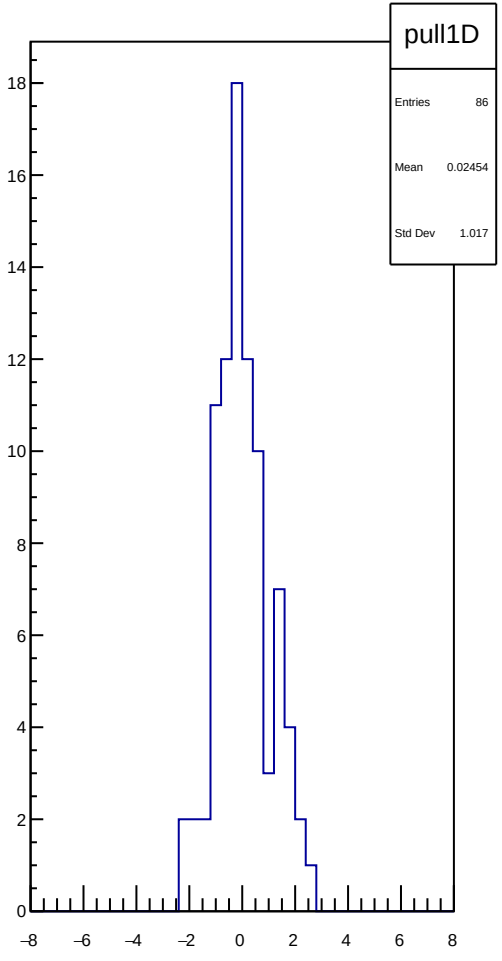

pull1D
Entries 86
Mean −0.1397
Std Dev 1.137

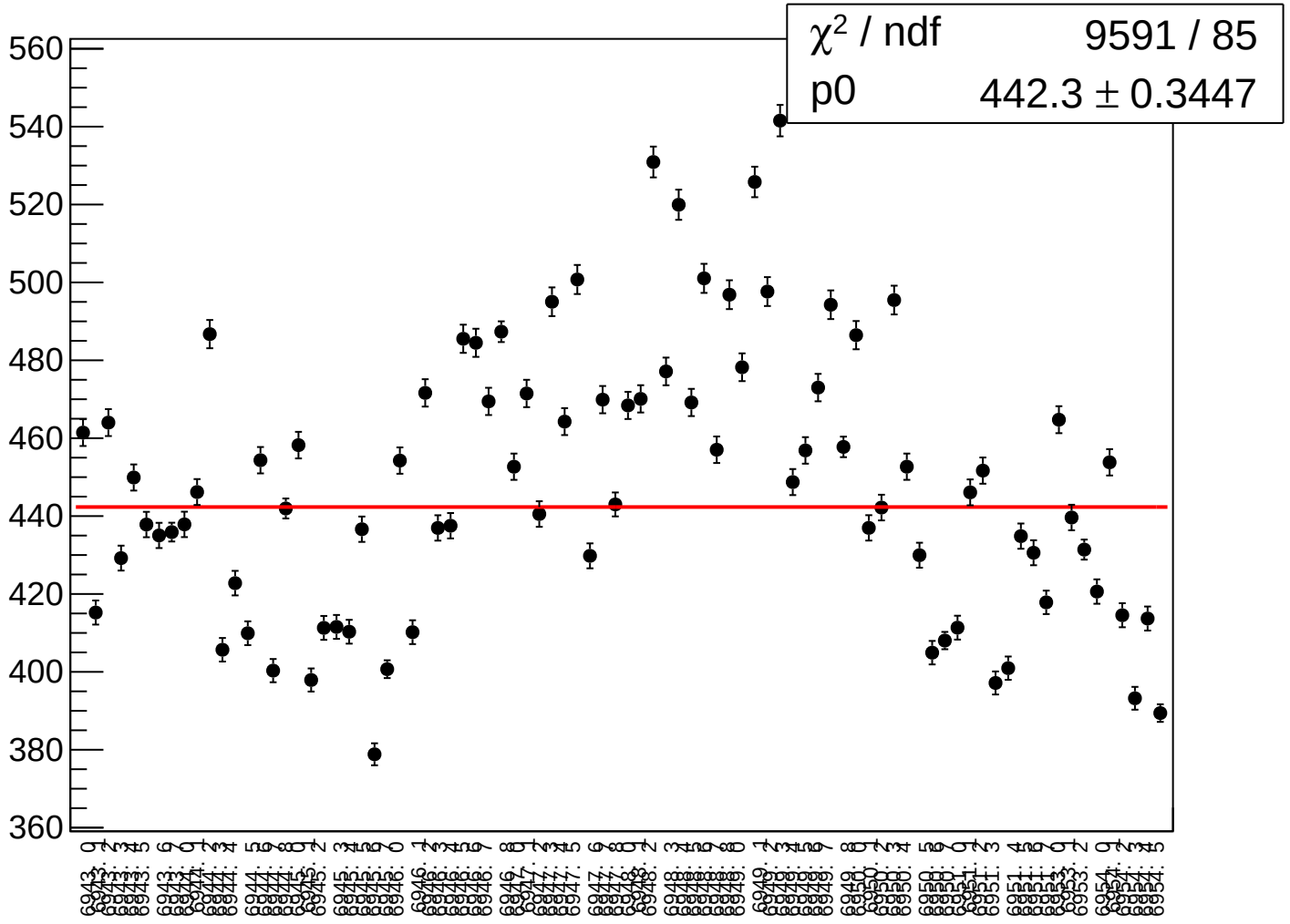

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.412e+05 / 85
p0 1.059e−10 ± 1.051e−13
1
0.8
0.6
0.4
0.2

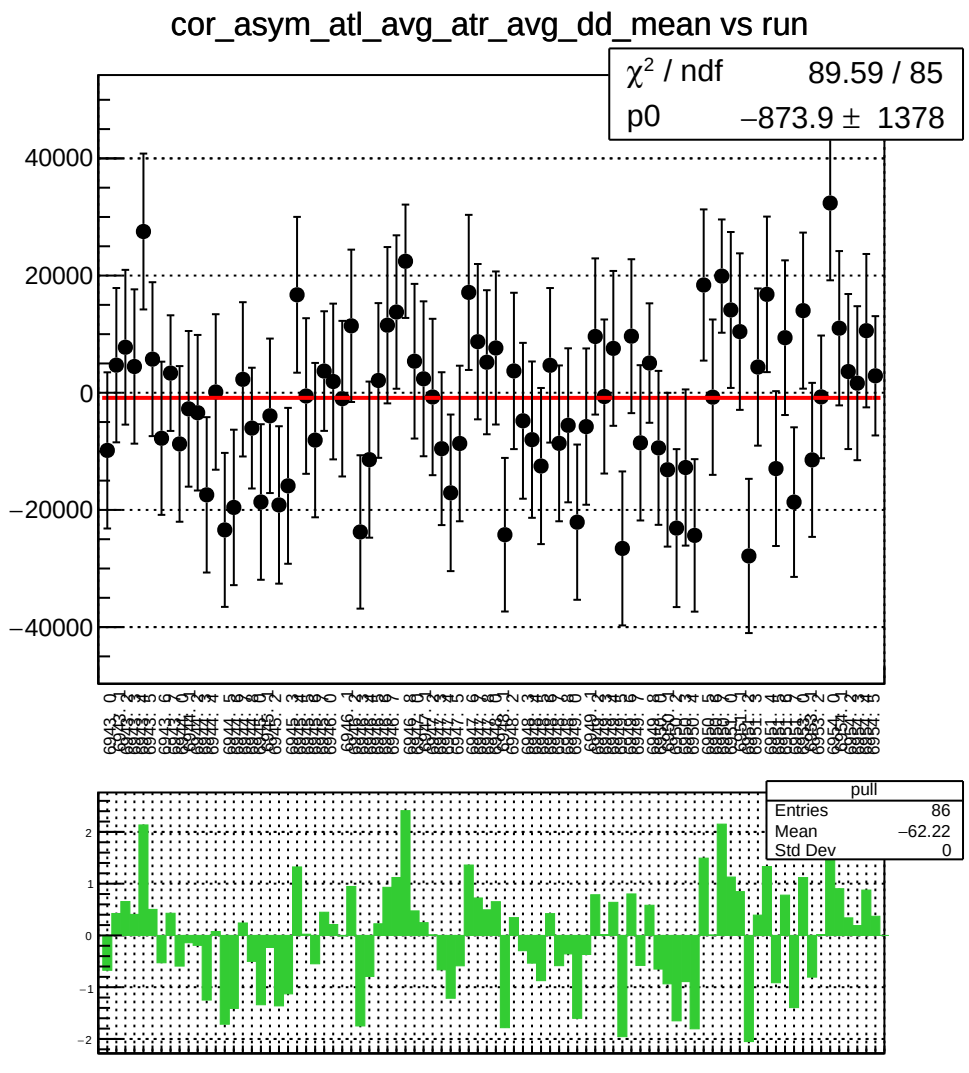

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.59 / 85
p0 −874 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

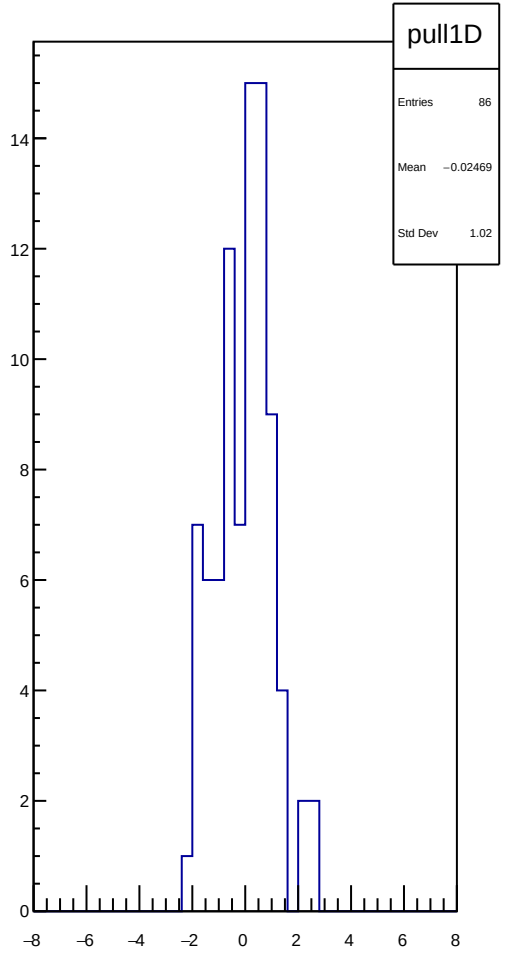

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

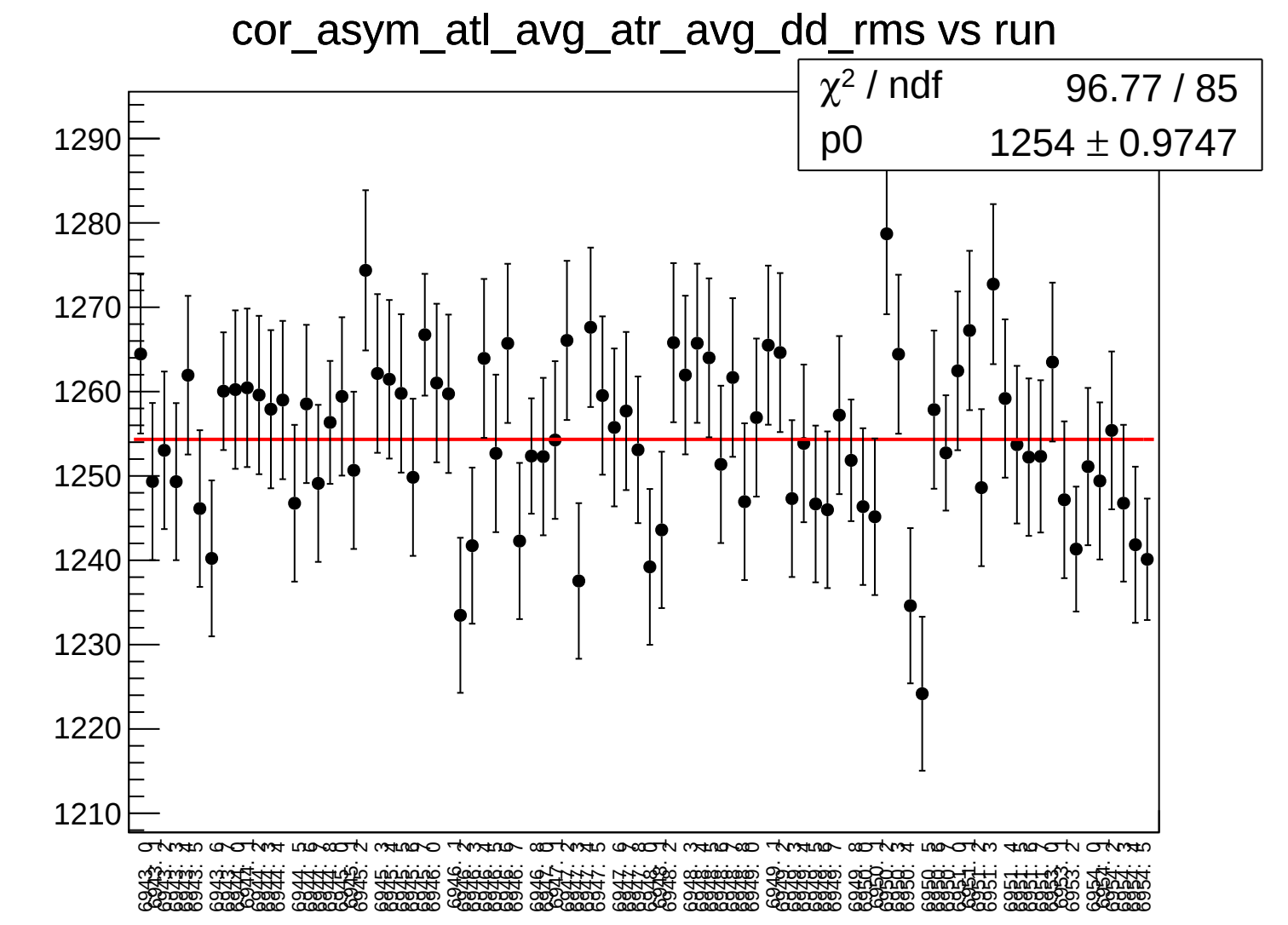

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.7 ± 487.5
pull
Entries 86
Mean 128.1
Std Dev 0

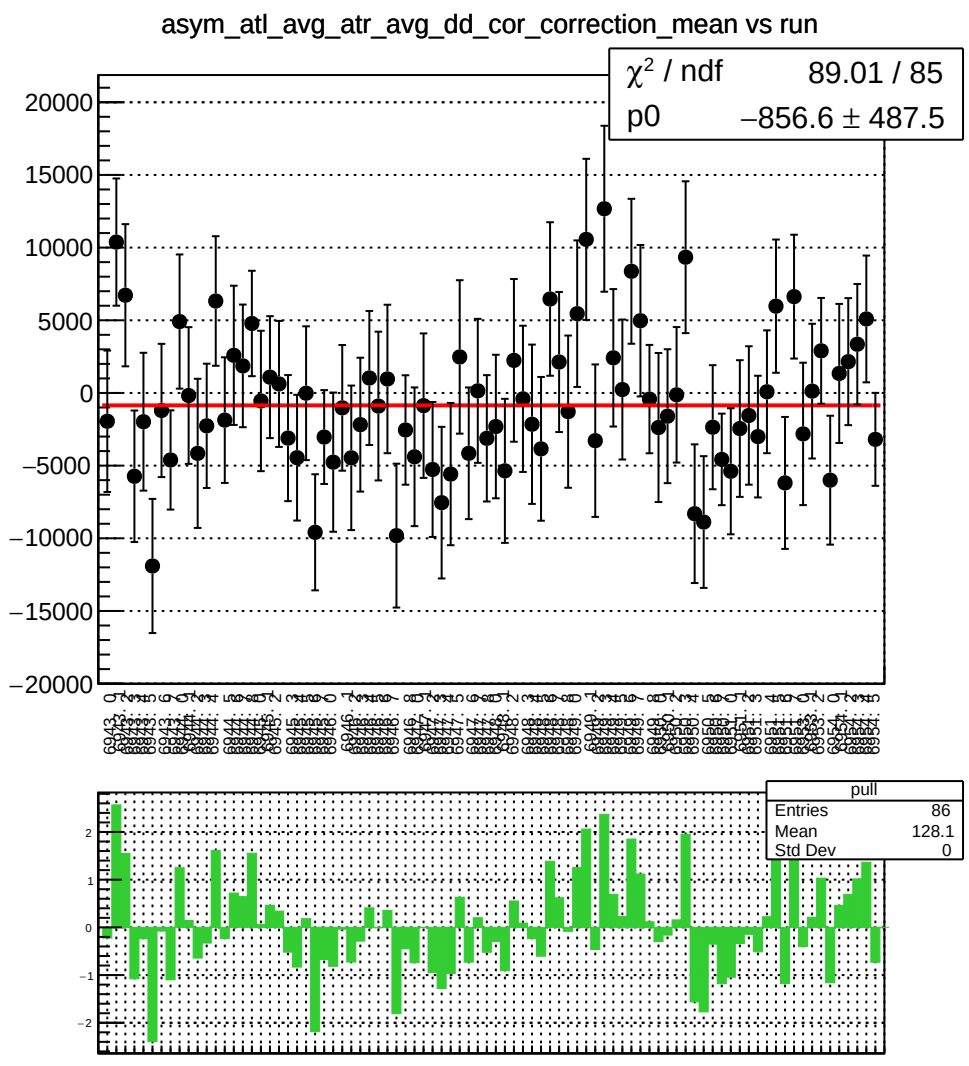

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017

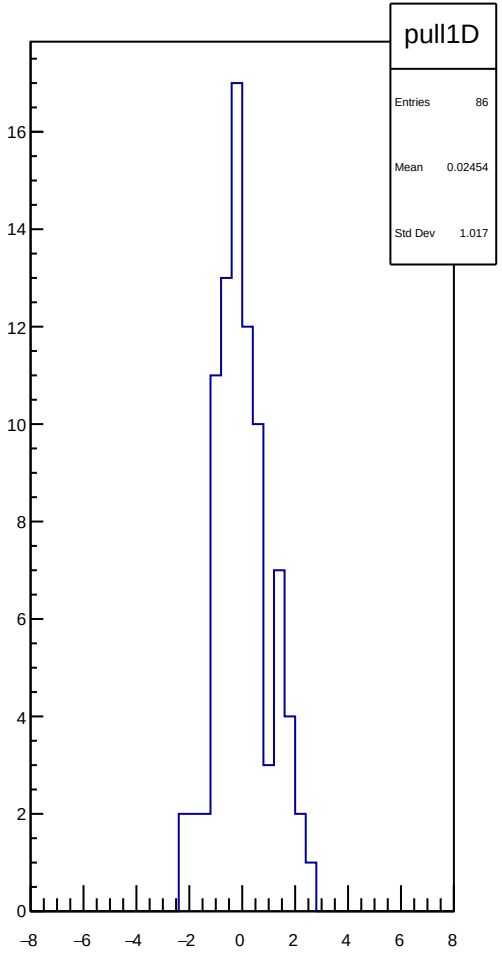

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

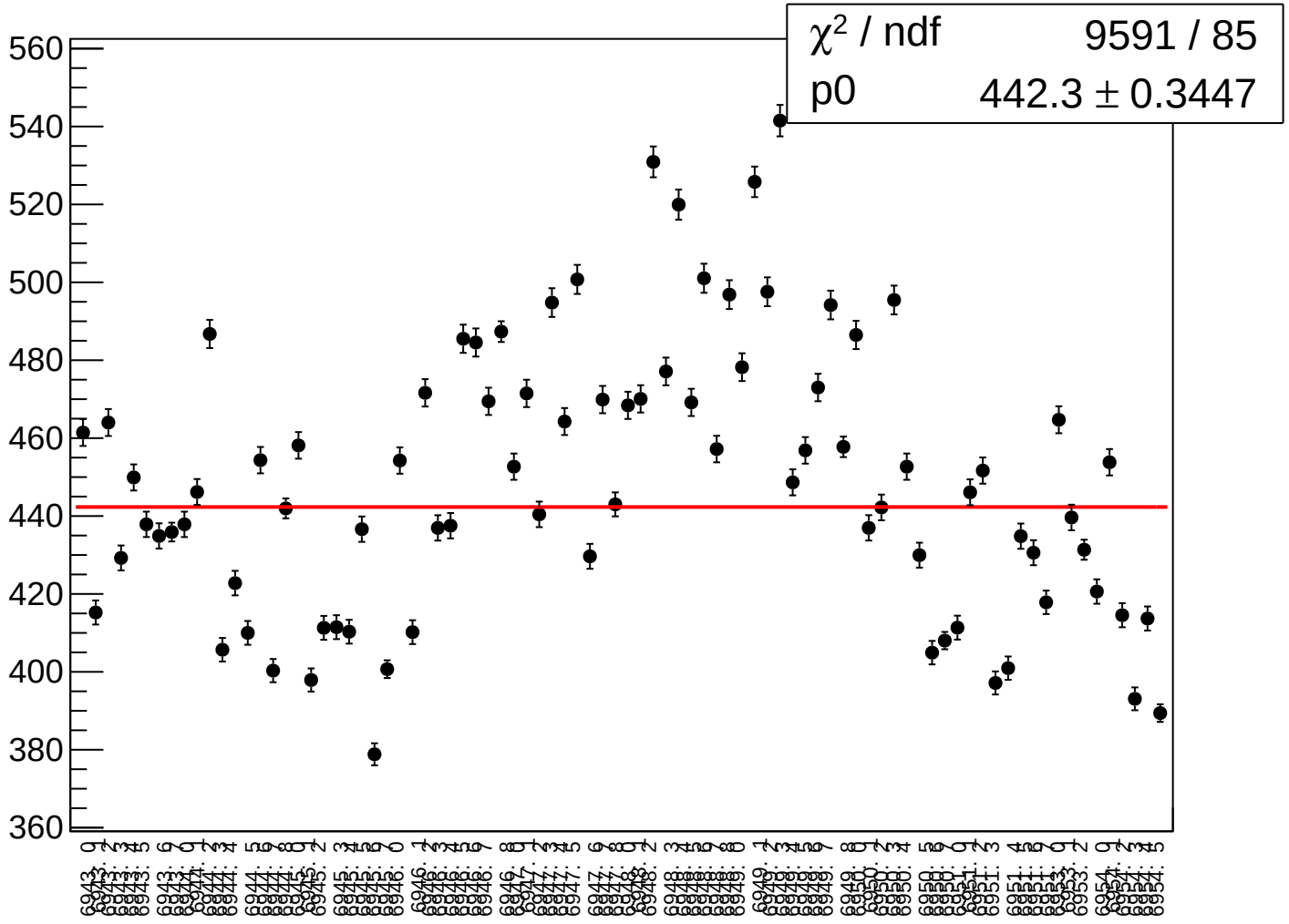

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.59 / 85
p0 −873.9 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2

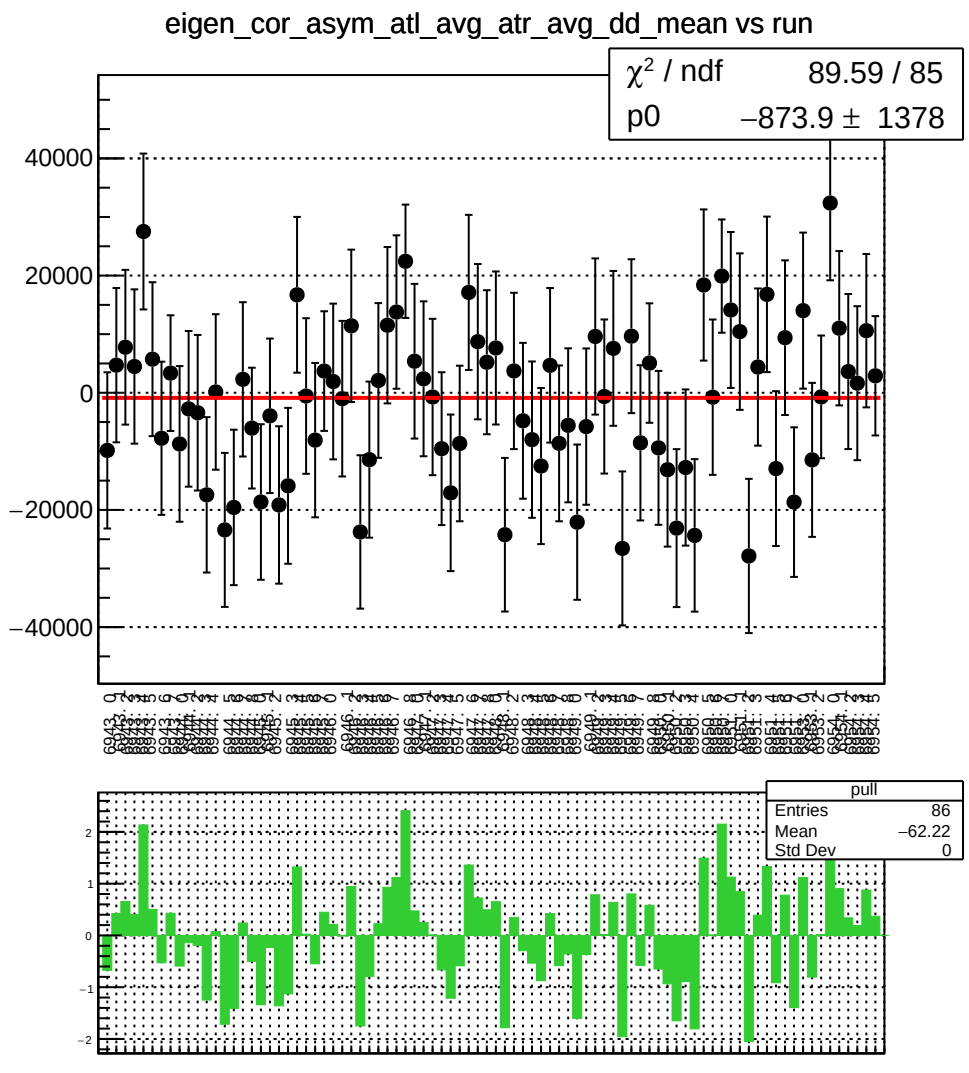

pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

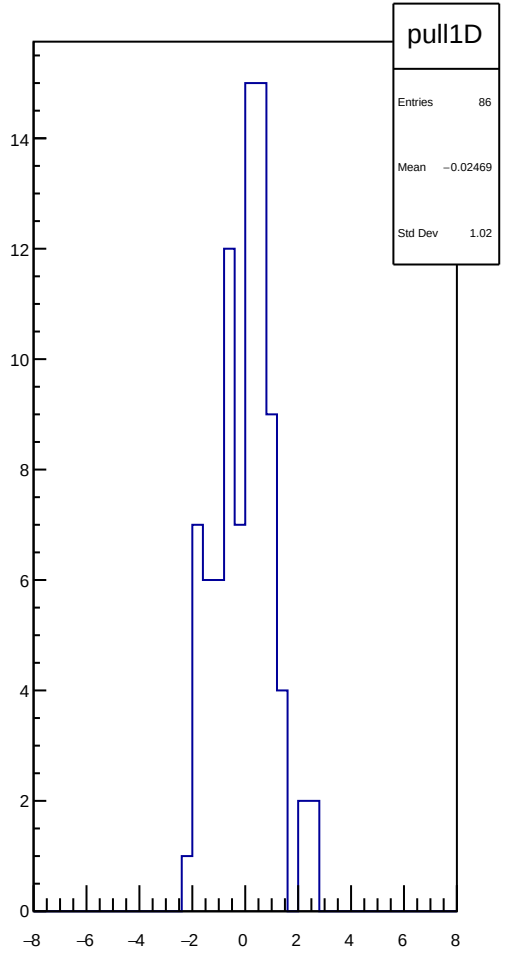

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

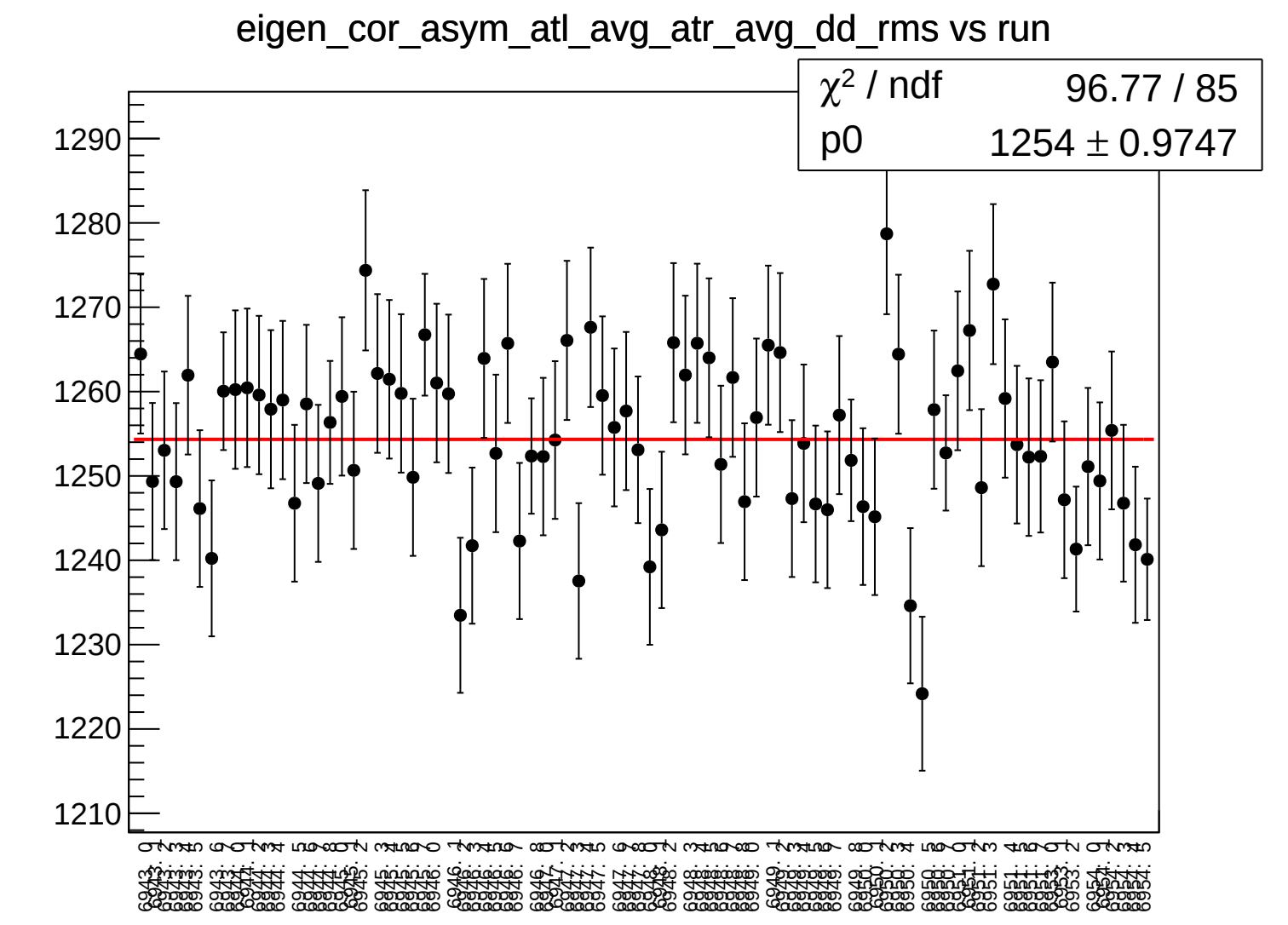

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.6 ± 487.5
pull
Entries 86
Mean 128.1
Std Dev 0

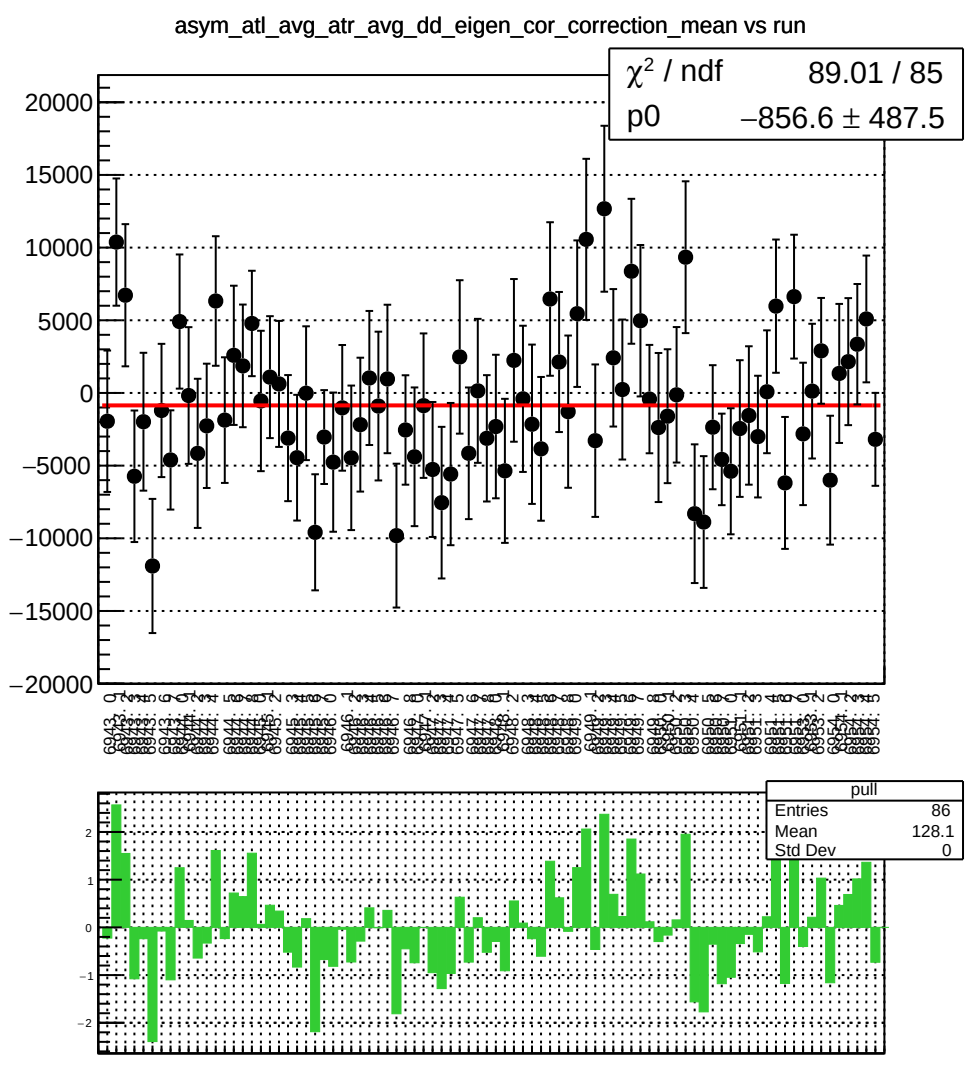

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017

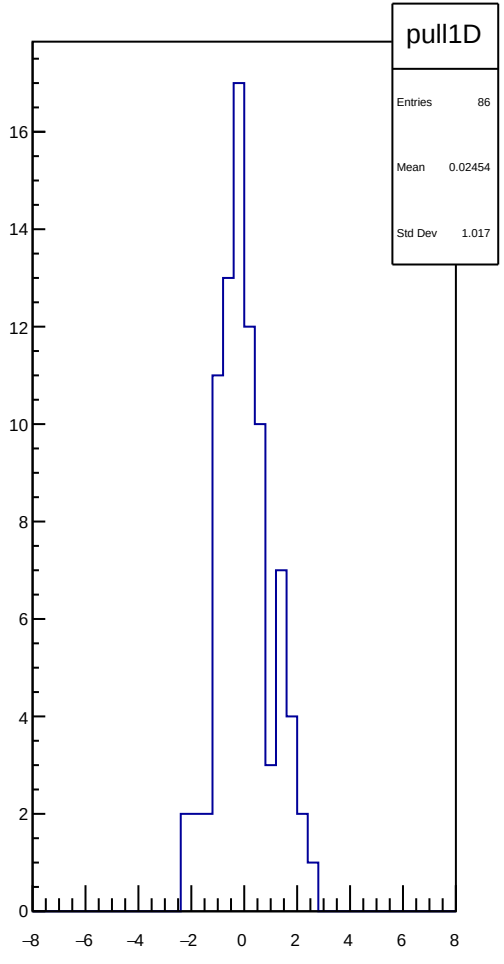

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

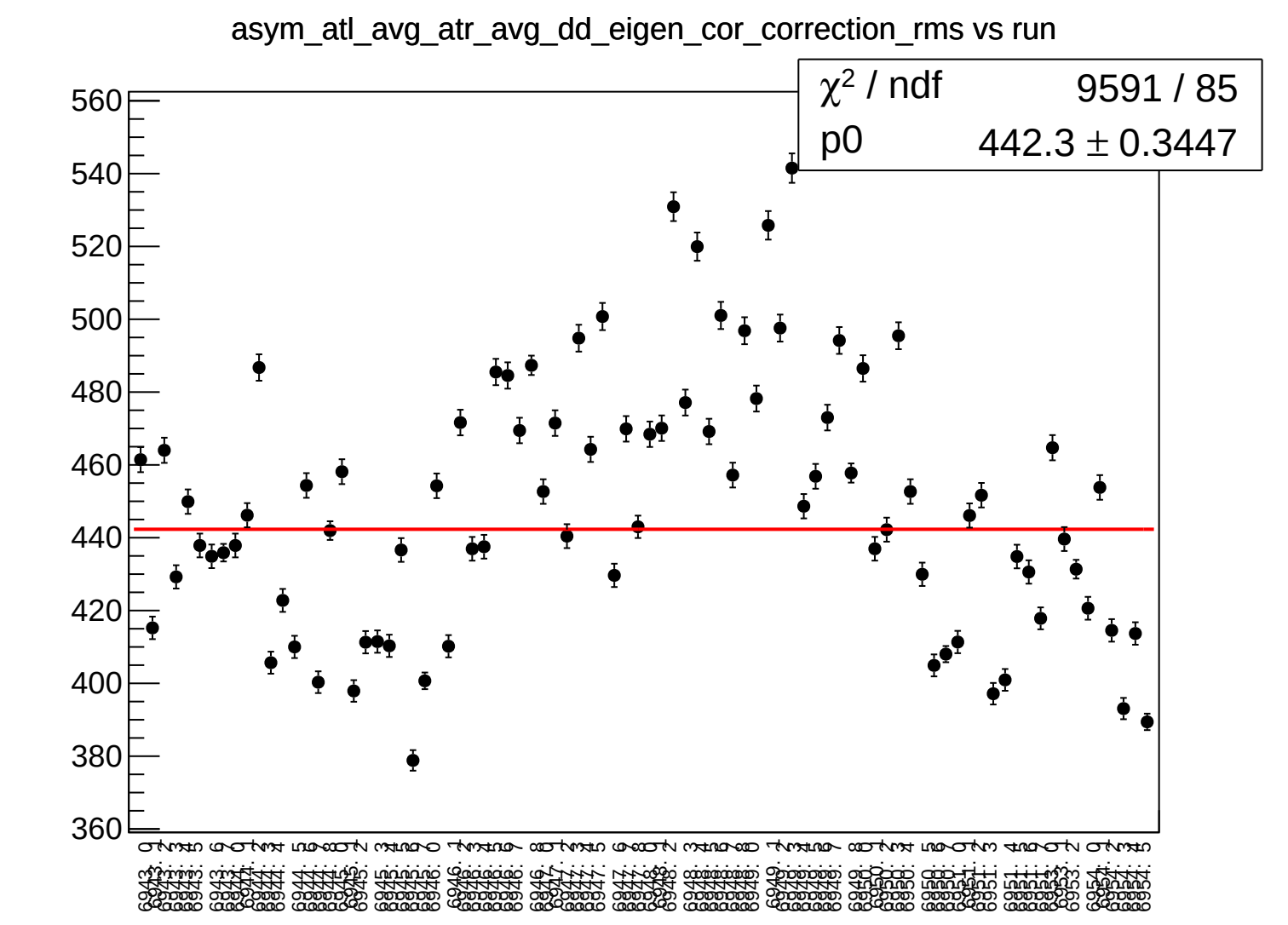

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.59 / 85
p0 −873.9 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2

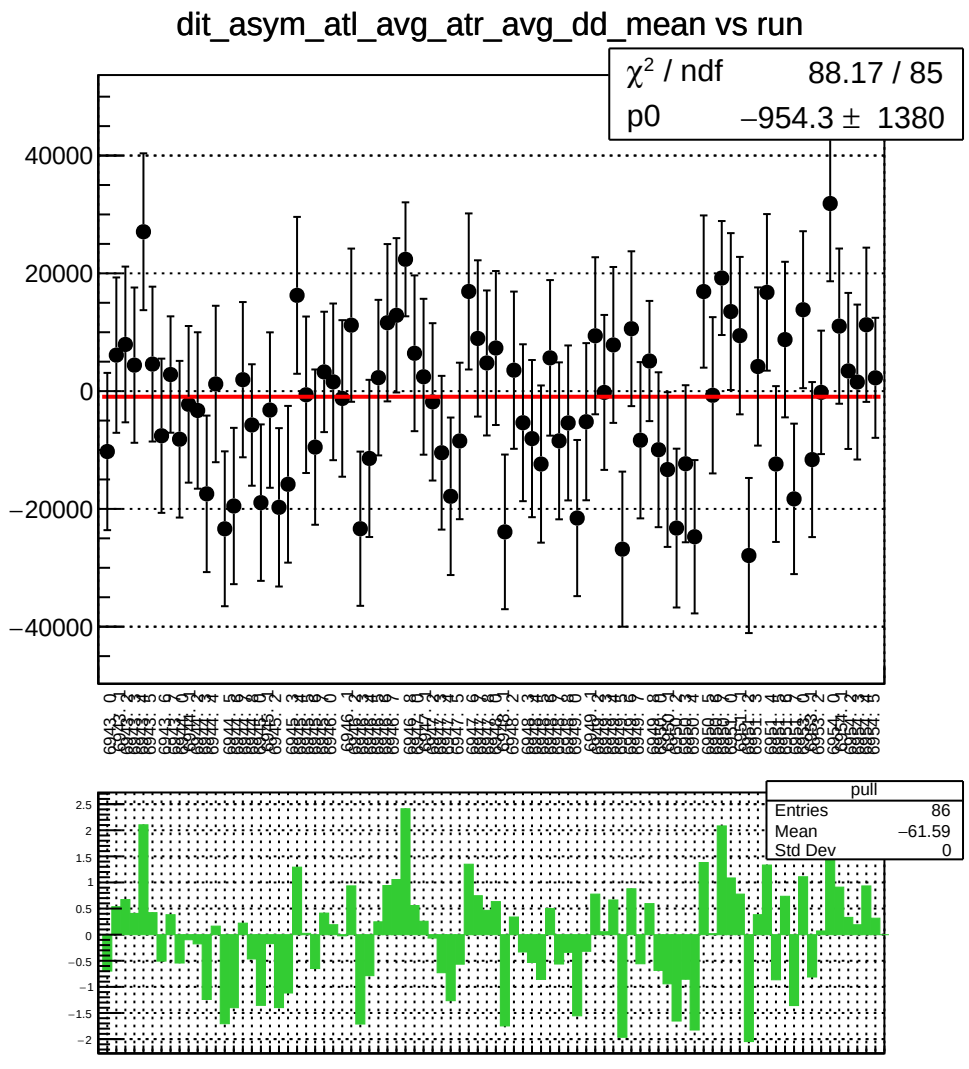

pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

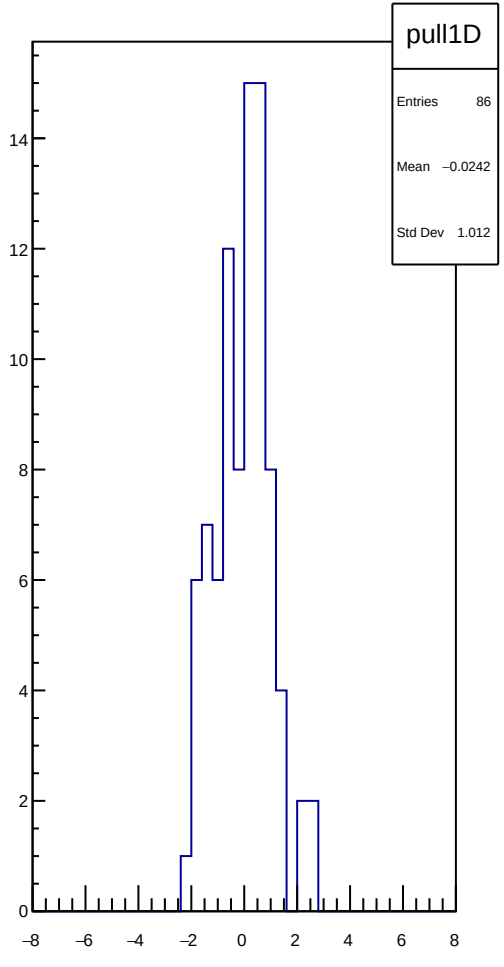

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

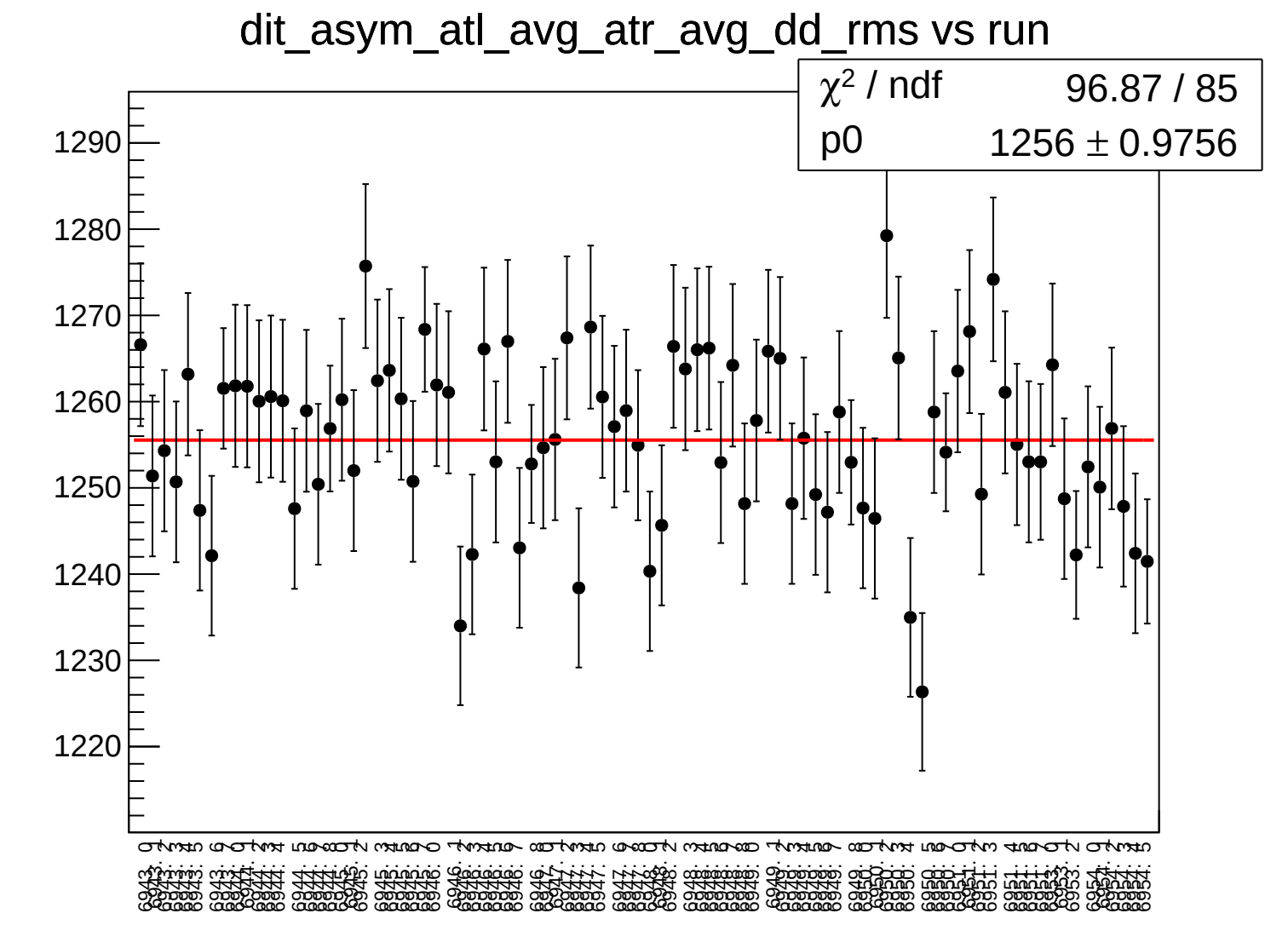

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.6 ± 487.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 128.1
Std Dev 0
2
1
0
−1
−2

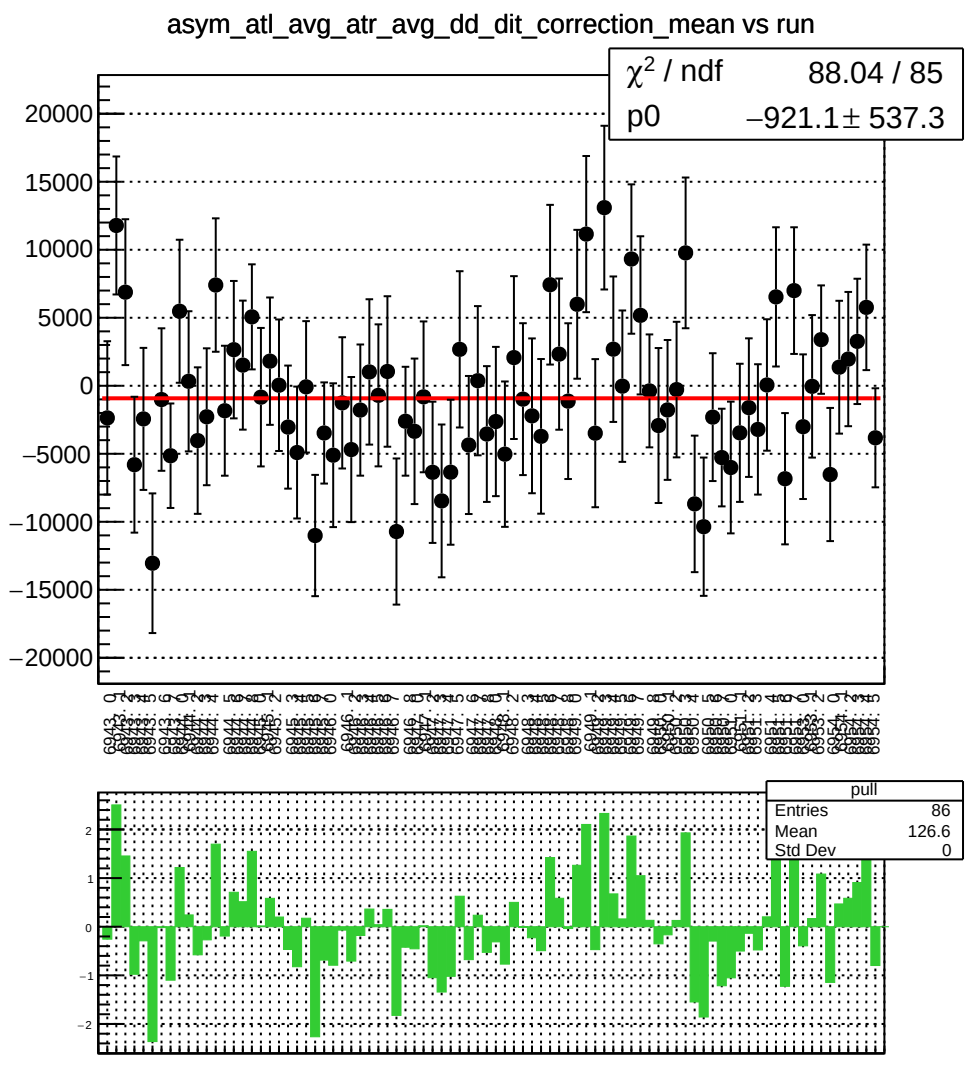

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

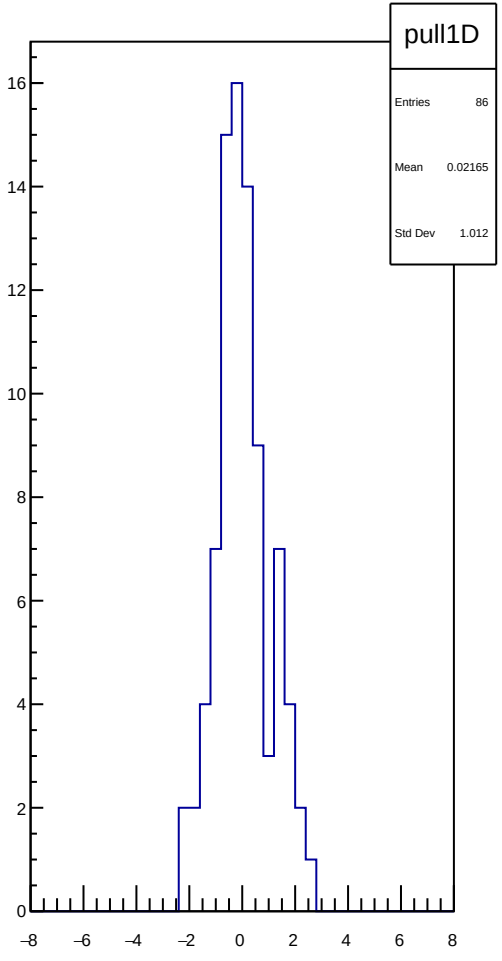

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

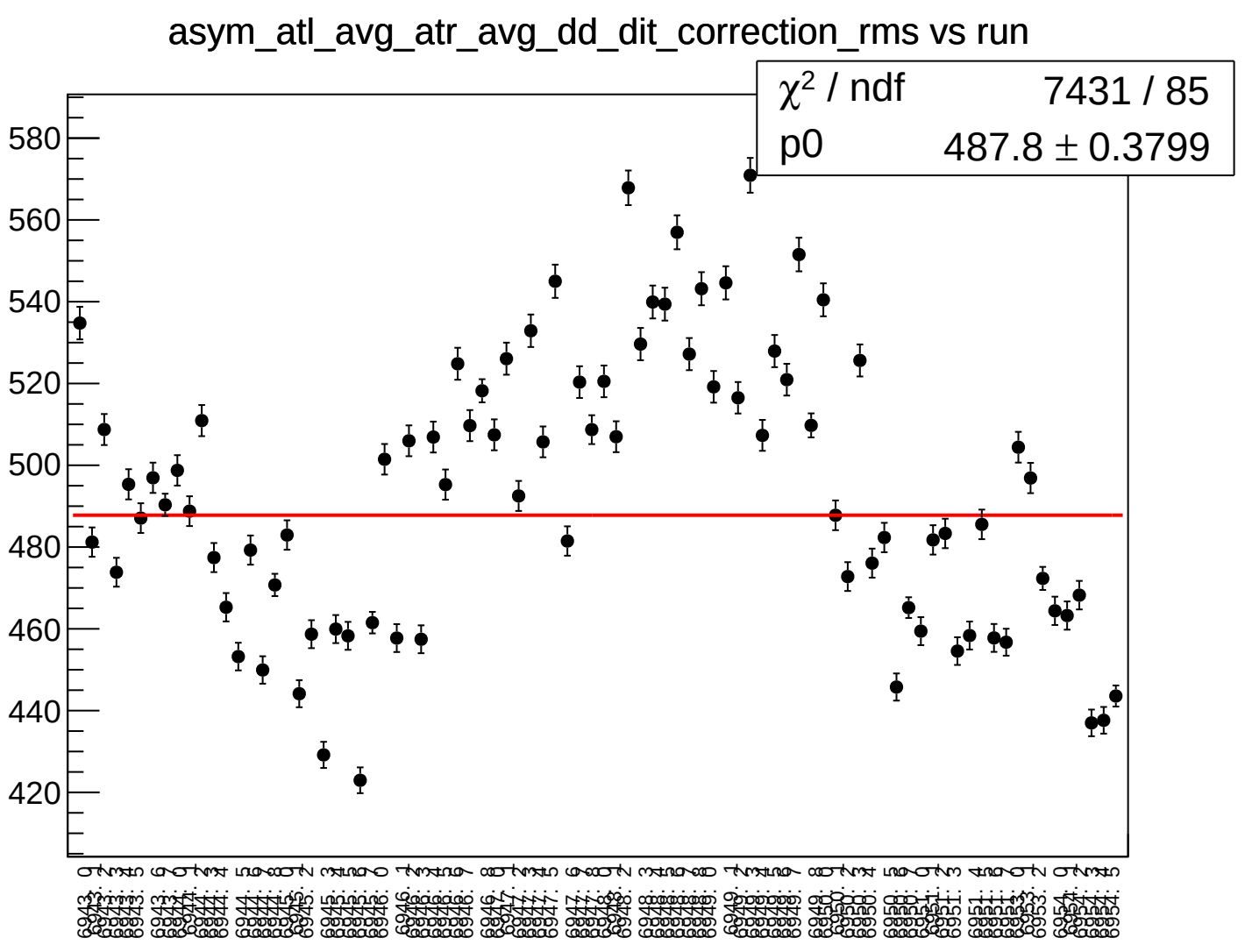

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.17 / 85
p0 −954.3 ± 1380
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −61.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

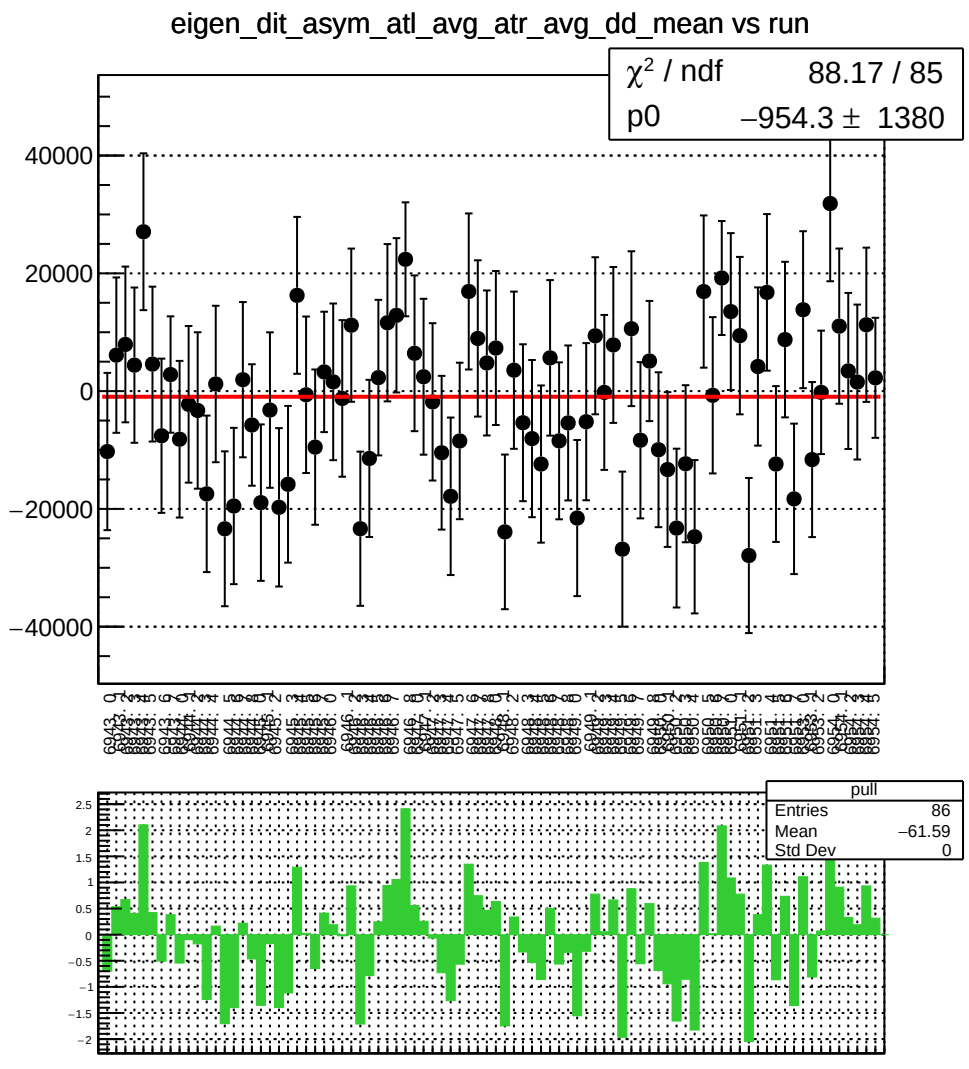

pull1D
Entries 86
Mean −0.0242
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

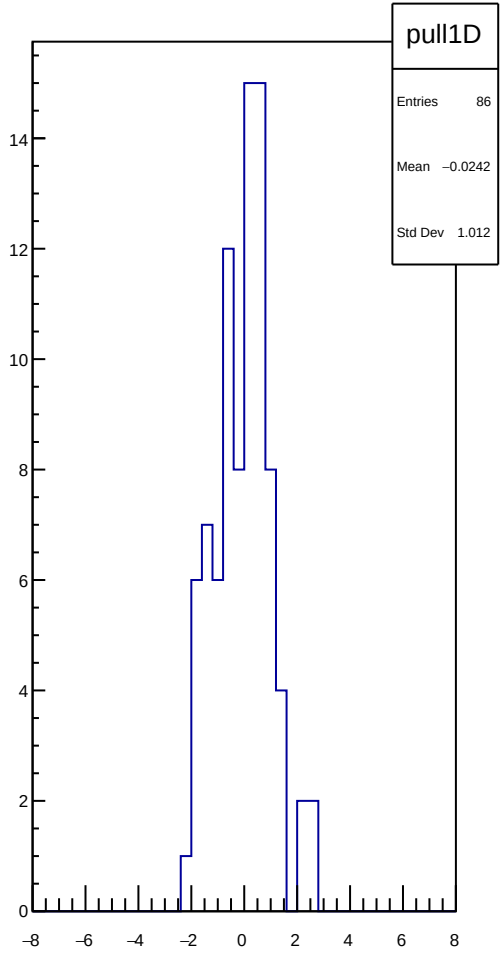

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 96.87 / 85
p0 1256 ± 0.9756
1290
1280
1270
1260
1250
1240
1230
1220

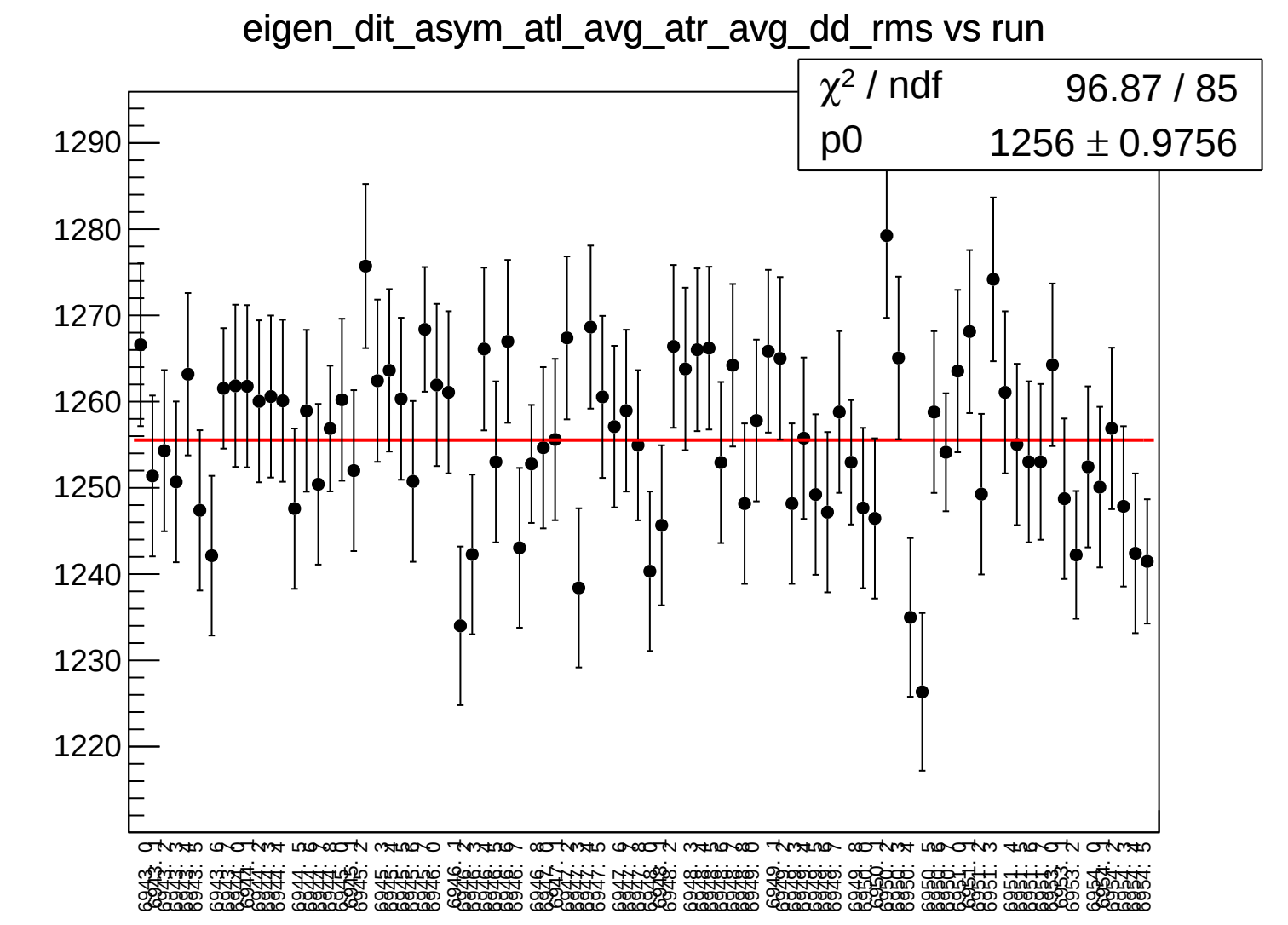

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −921.1 ± 537.3
pull
Entries 86
Mean 126.6
Std Dev 0

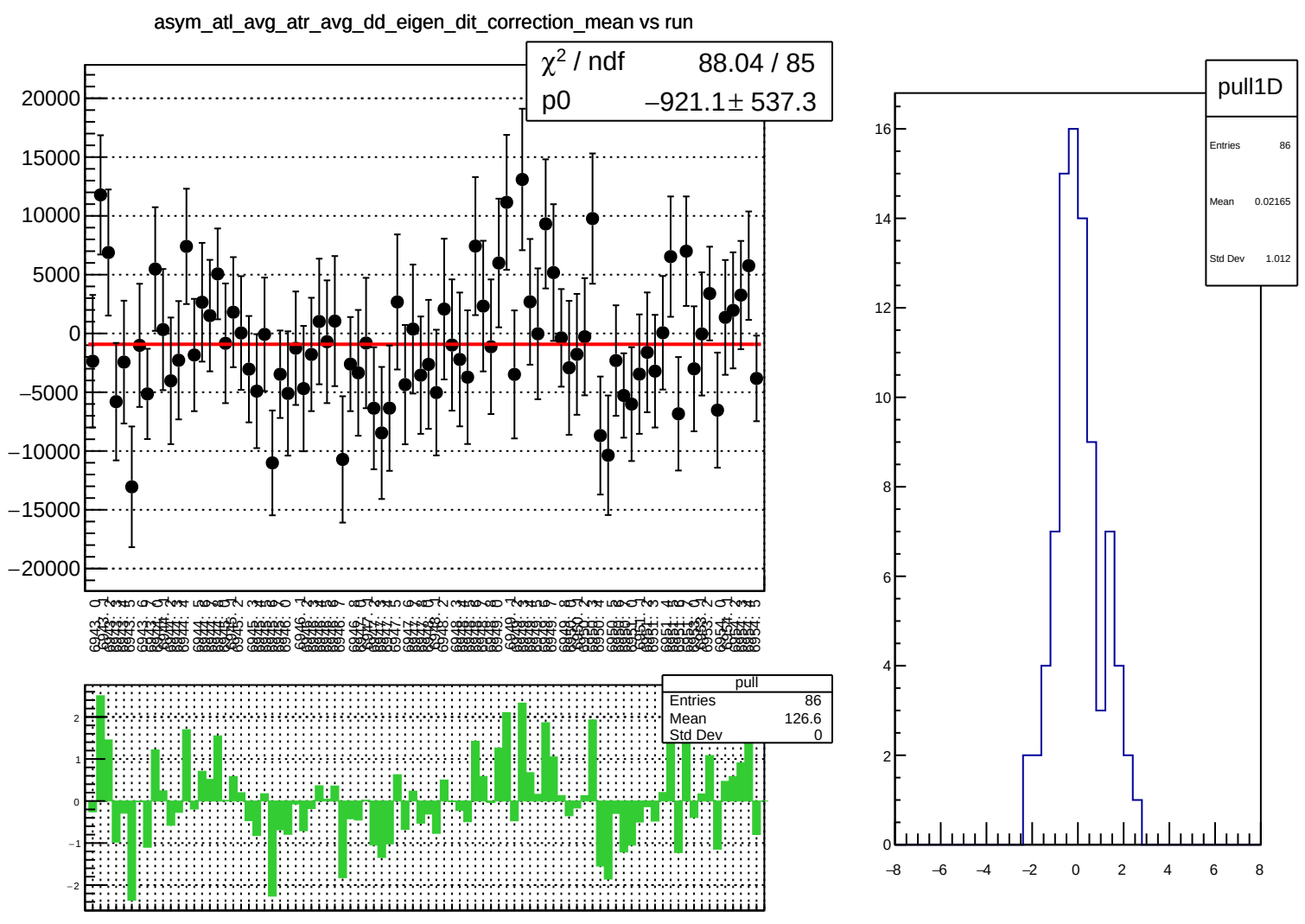

pull1D
Entries 86
Mean 0.02165
Std Dev 1.012

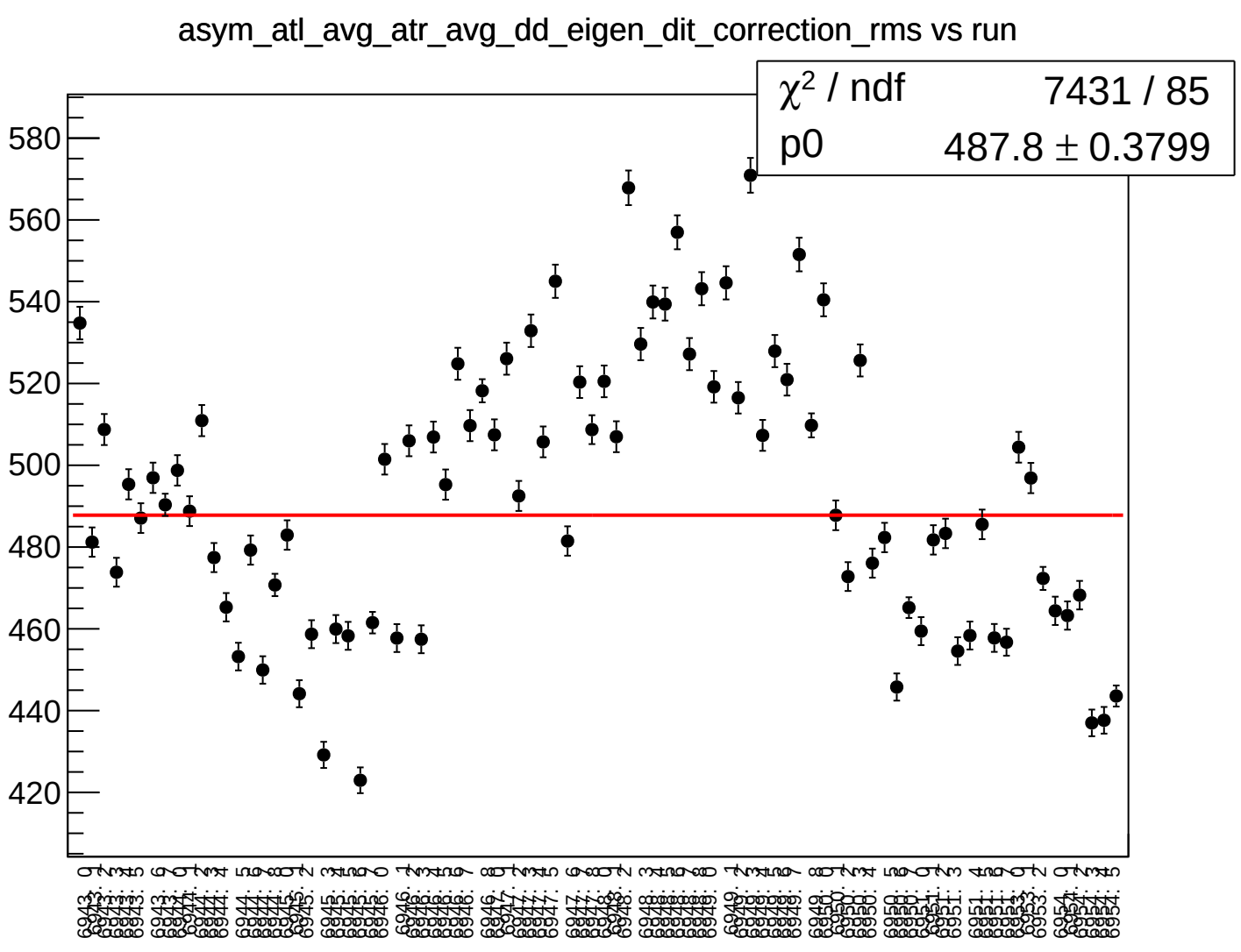

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 7431 / 85
p0 487.8 ± 0.3799
580
560
540
520
500
480
460
440
420

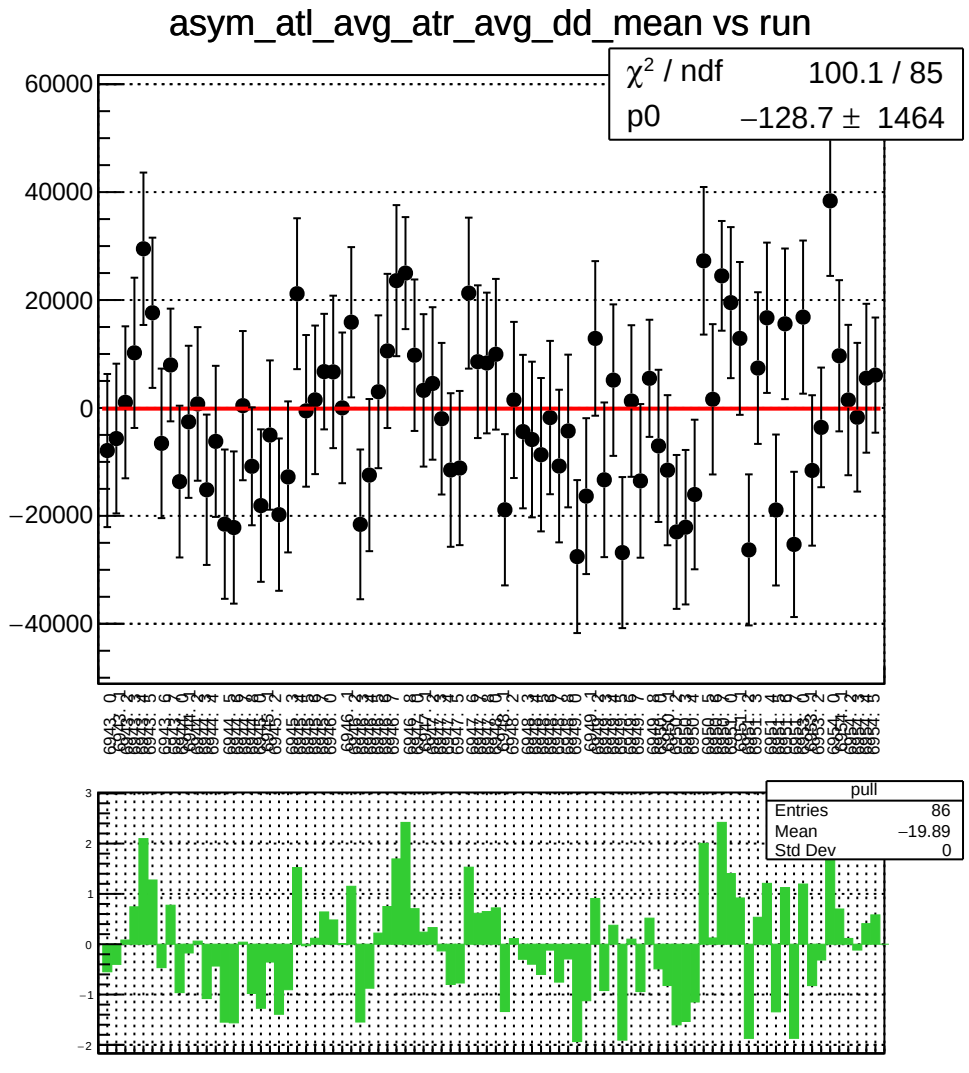

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.17 / 85
p0 −954.3 ± 1380
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −61.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

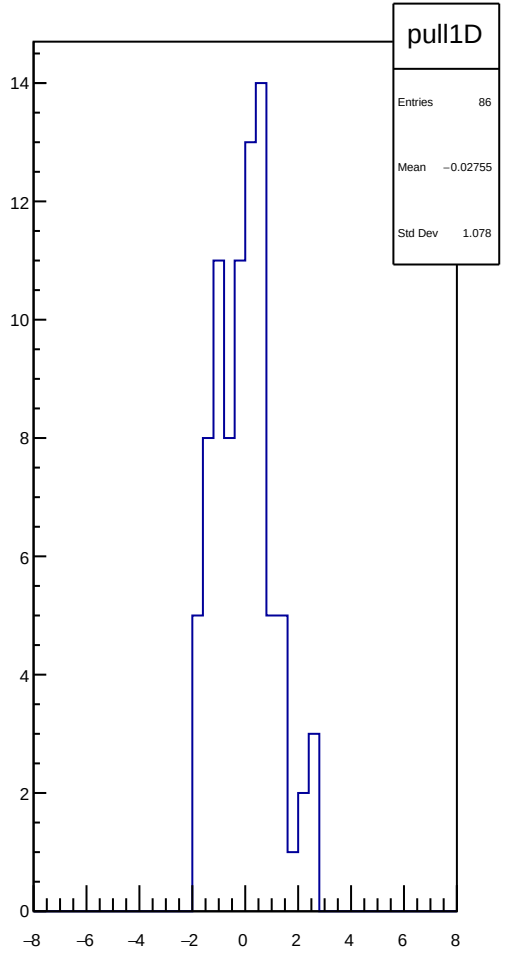

pull1D
Entries 86
Mean −0.0242
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

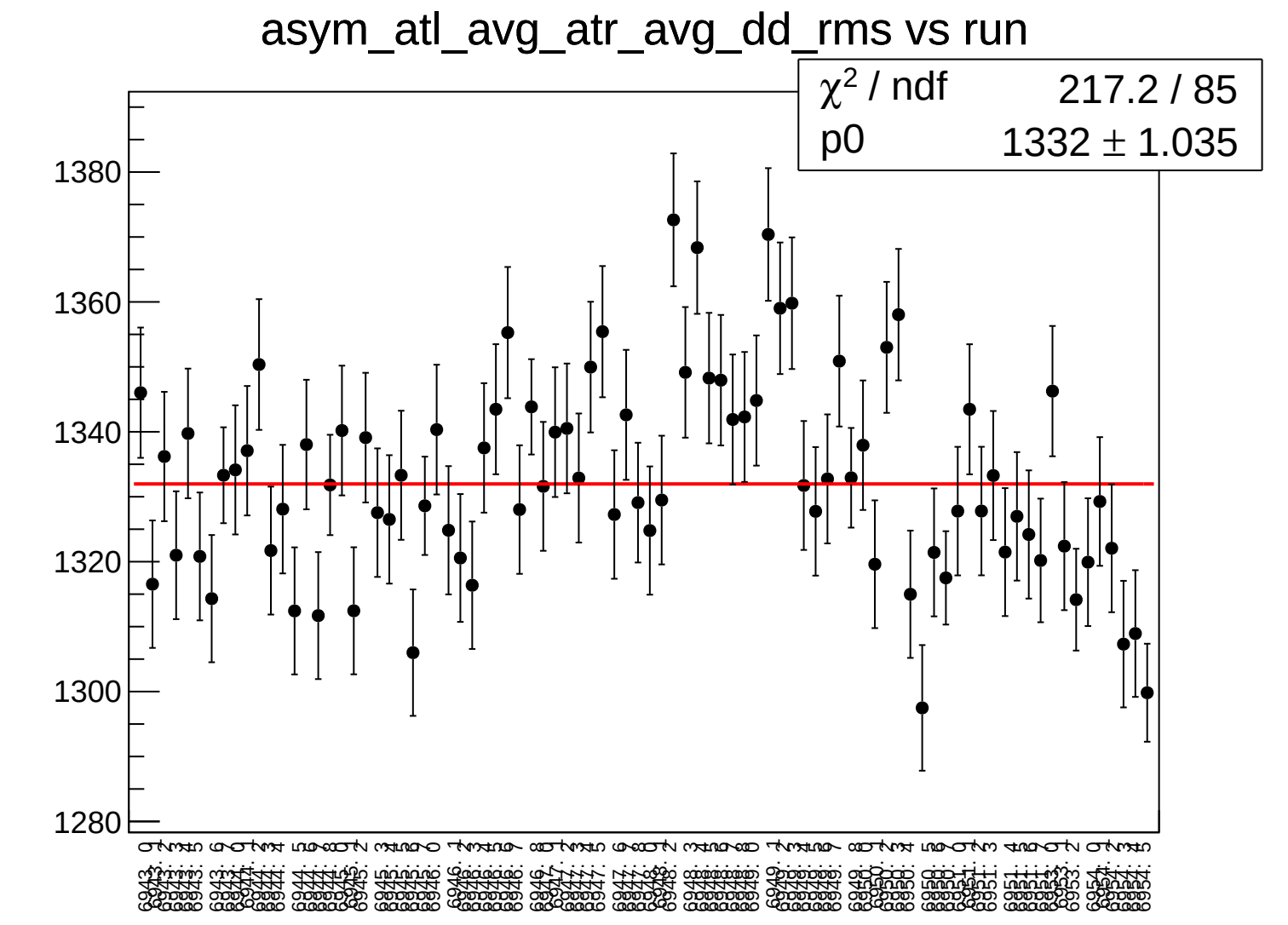

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 96.87 / 85
p0 1256 ± 0.9756
1290
1280
1270
1260
1250
1240
1230
1220

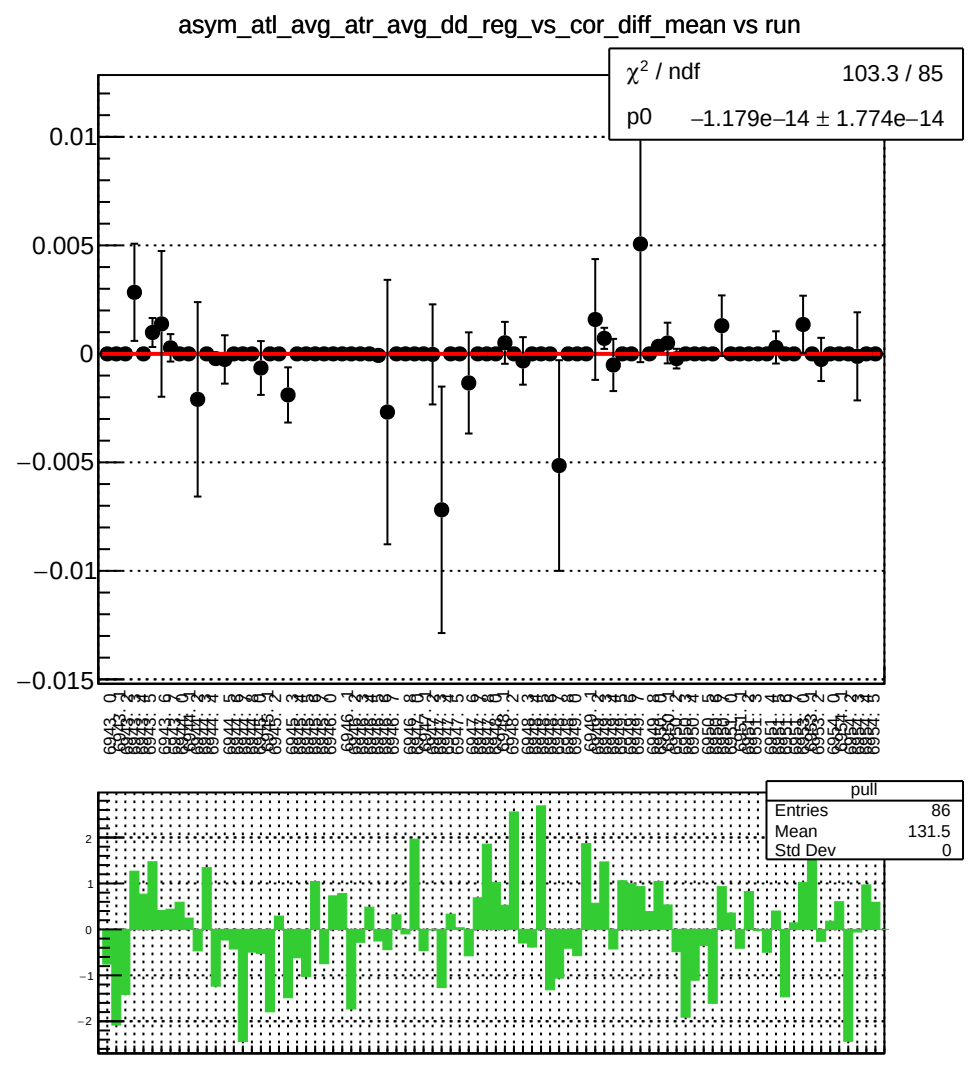

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −921.1 ± 537.3
pull
Entries 86
Mean 126.6
Std Dev 0
pull1D
Entries 86
Mean 0.02165
Std Dev 1.012

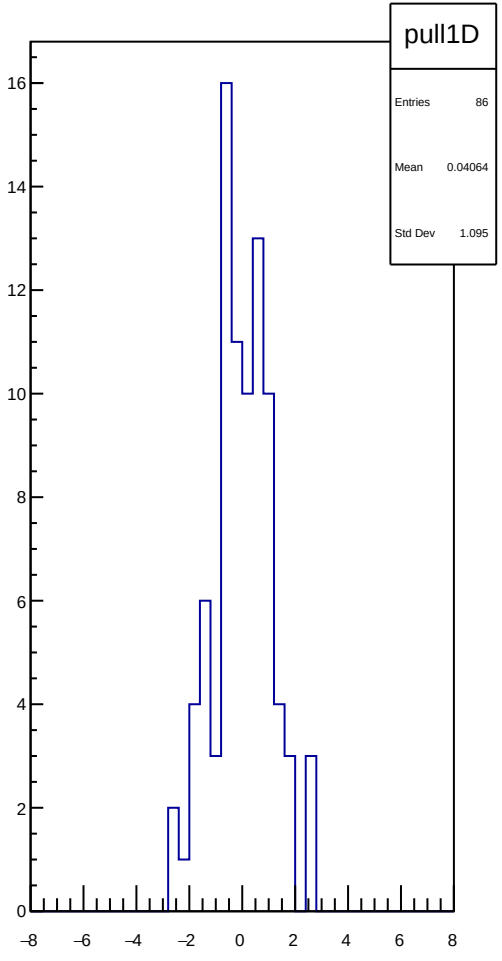

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7431 / 85
p0 487.8 ± 0.3799
580
560
540
520
500
480
460
440
420

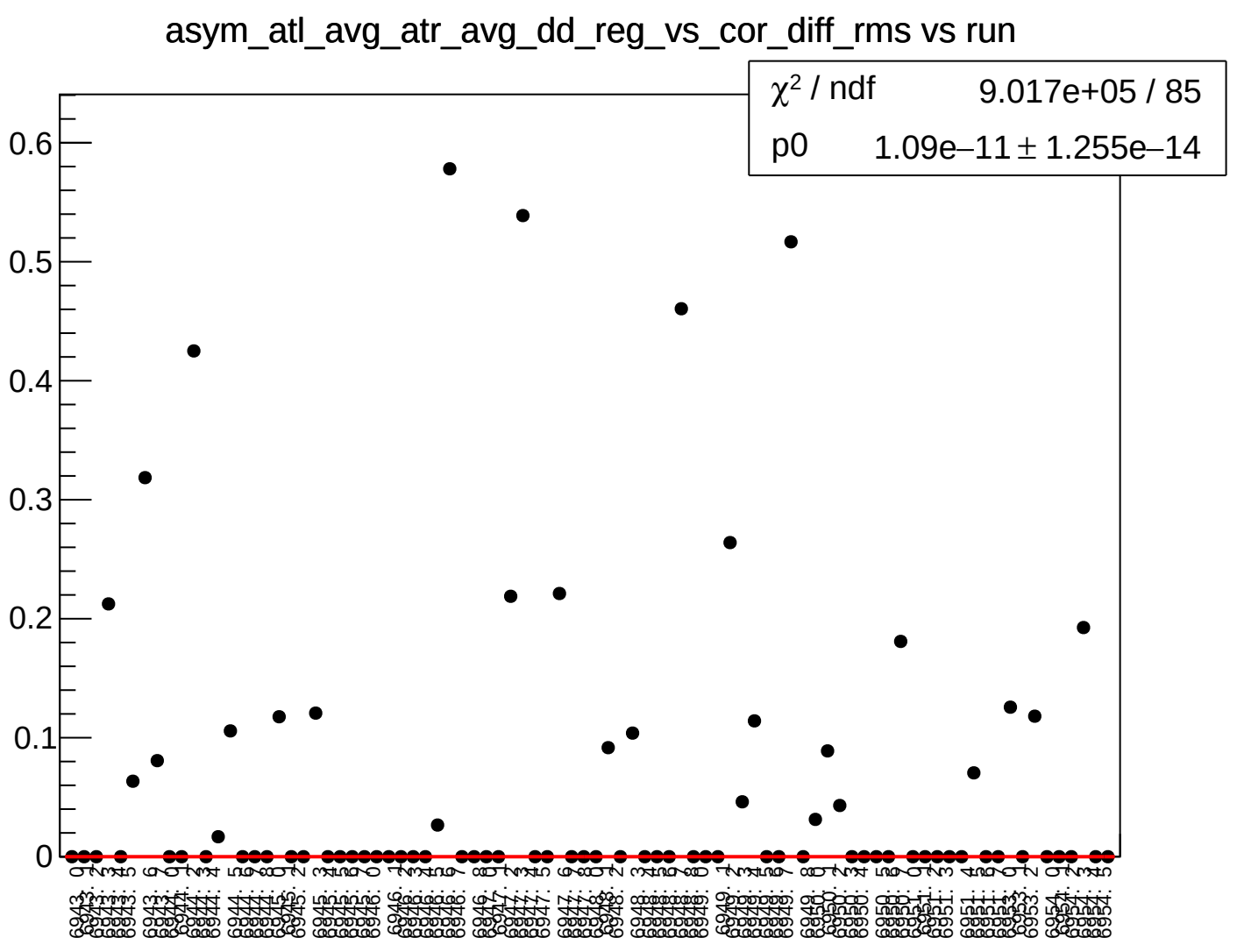

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 100.1 / 85
p0 −128.7 ± 1464
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −19.89
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.02755
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

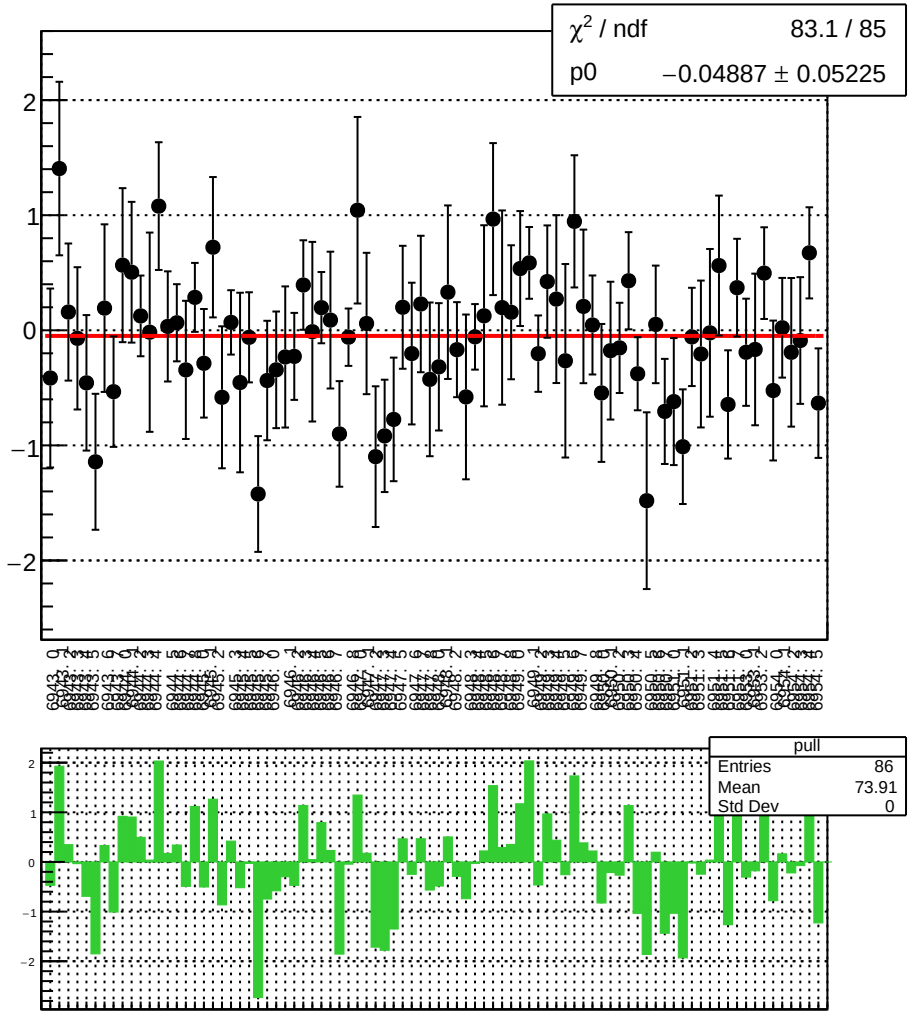

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 217.2 / 85
p0 1332 ± 1.035
1380
1360
1340
1320
1300
1280

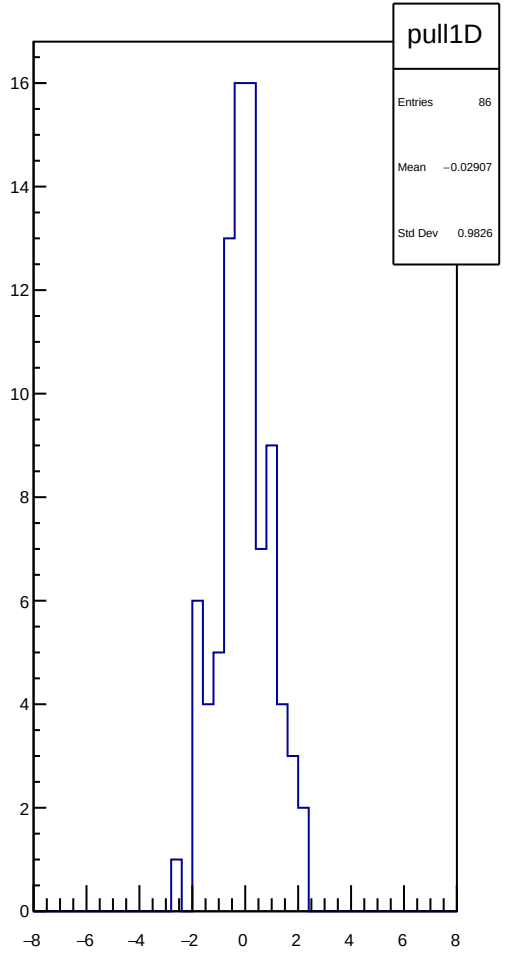

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 103.3 / 85
p0 −1.179e−14 ± 1.774e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 131.5
Std Dev 0
2
1
0
−1
−2

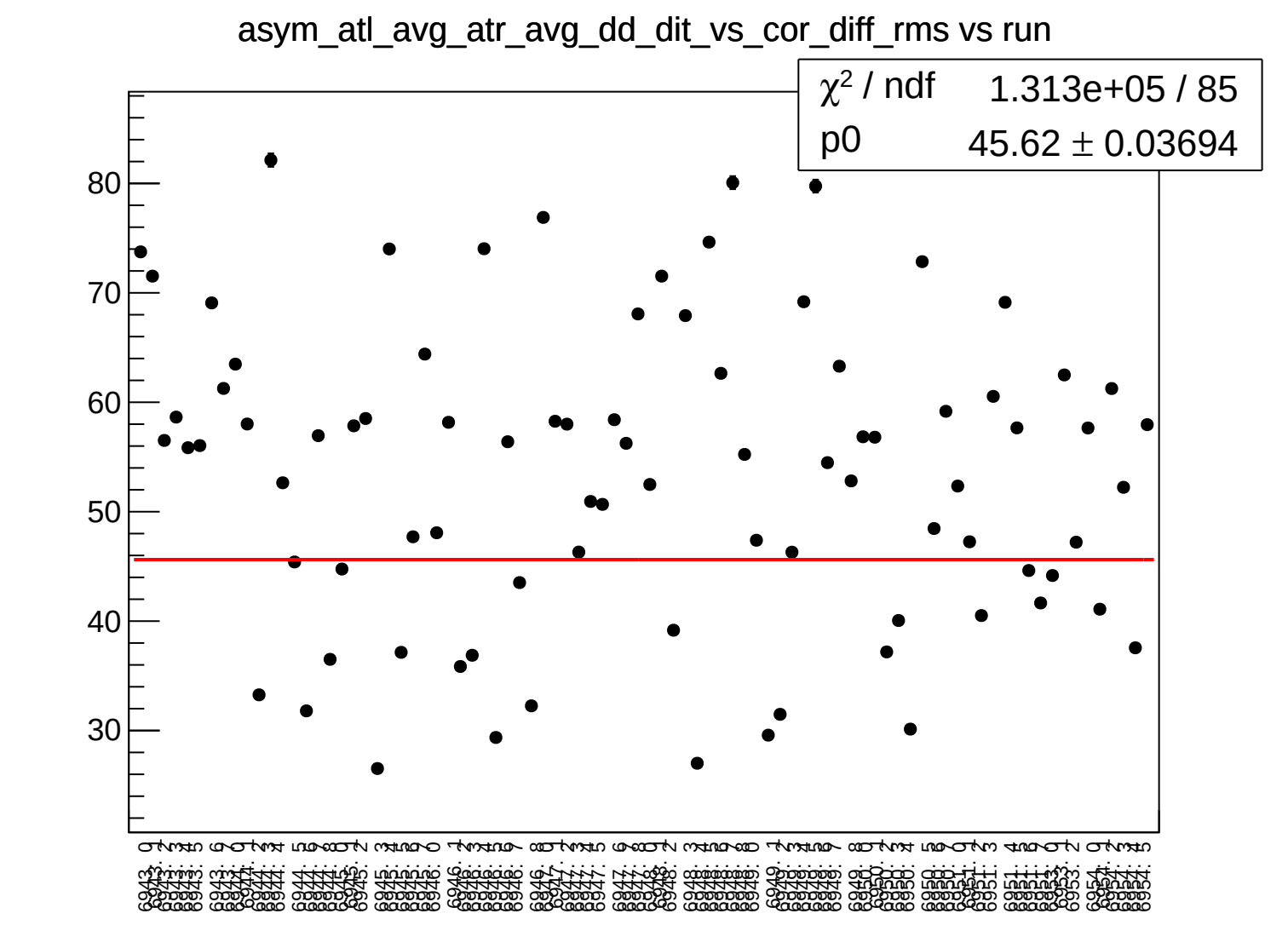

pull1D
Entries 86
Mean 0.04064
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

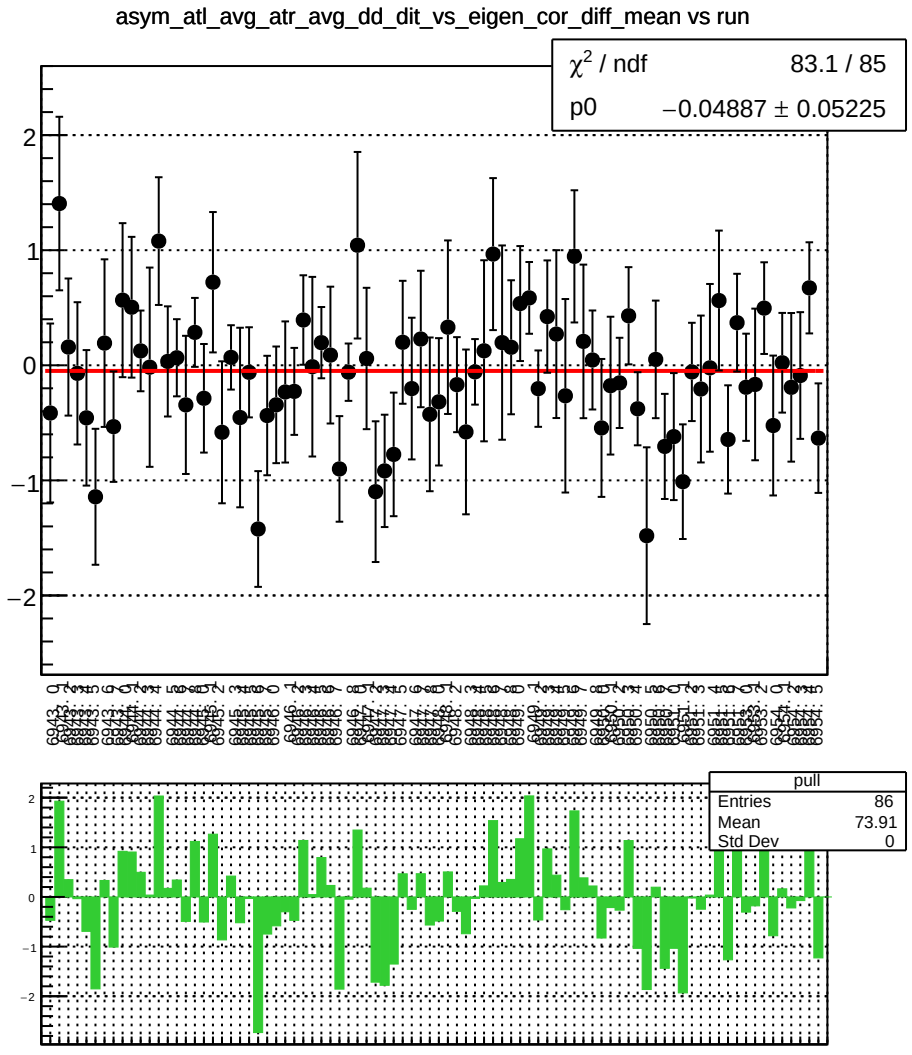

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.017e+05 / 85
p0 1.09e−11 ± 1.255e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

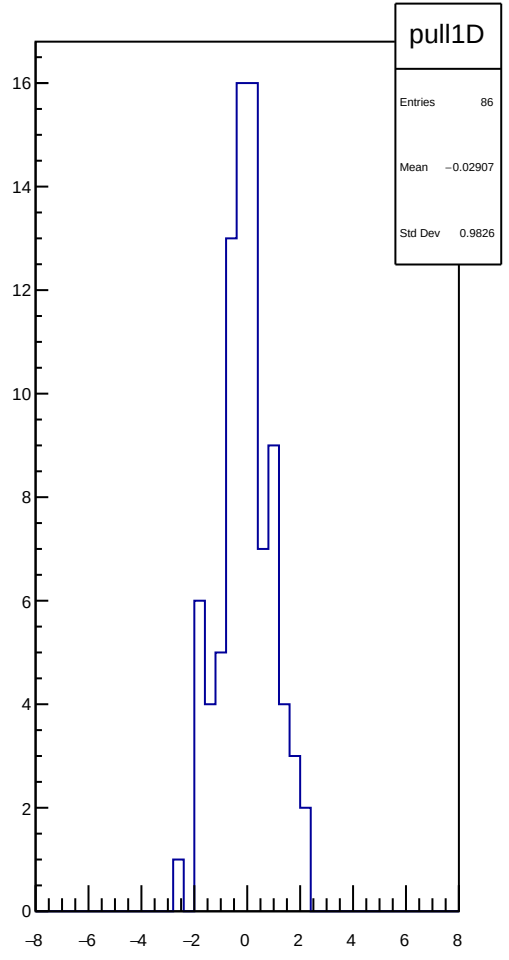
asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run

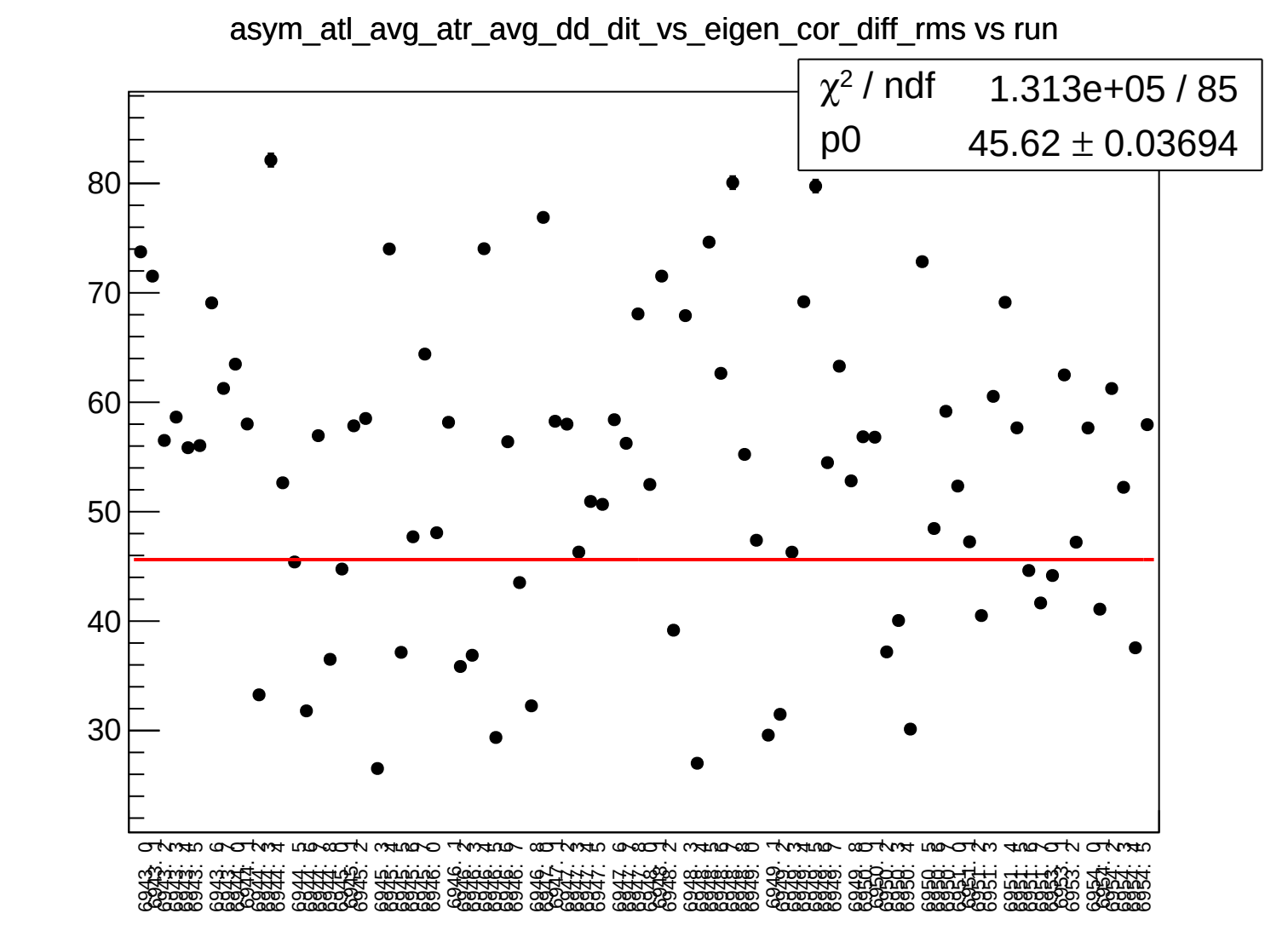


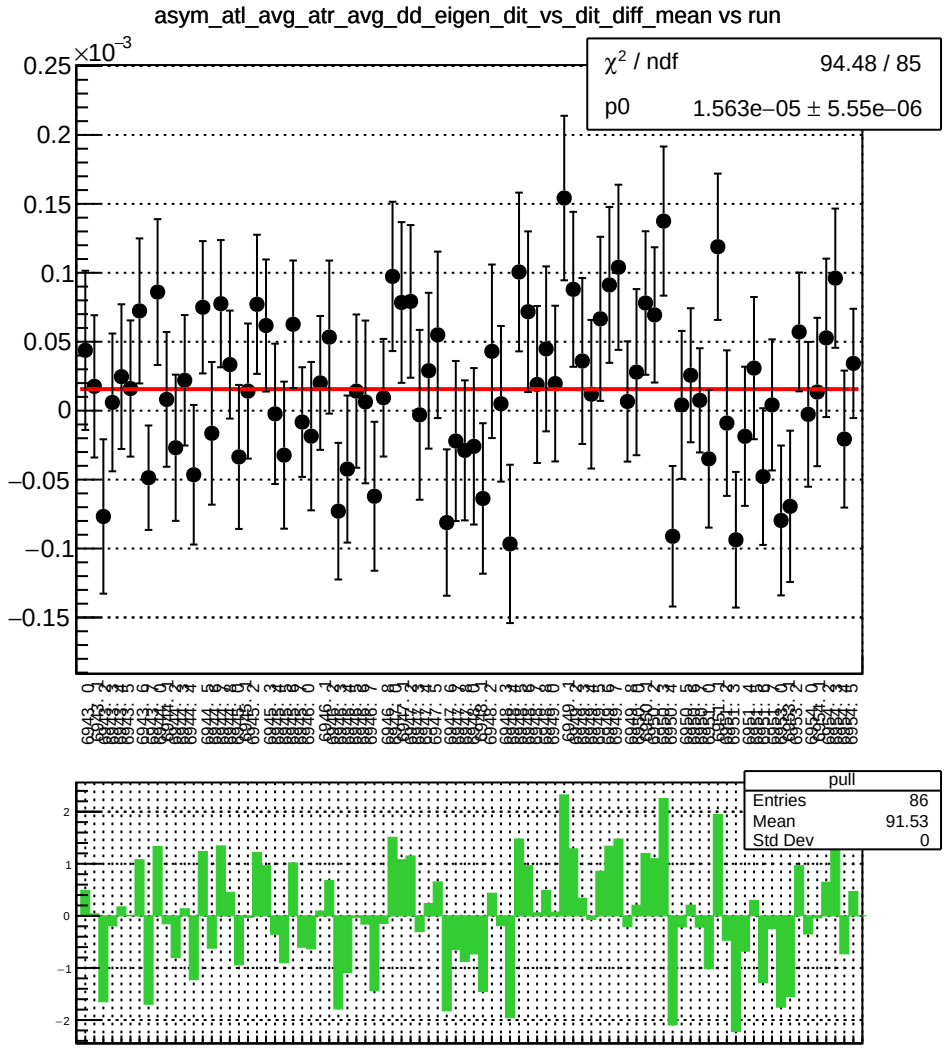


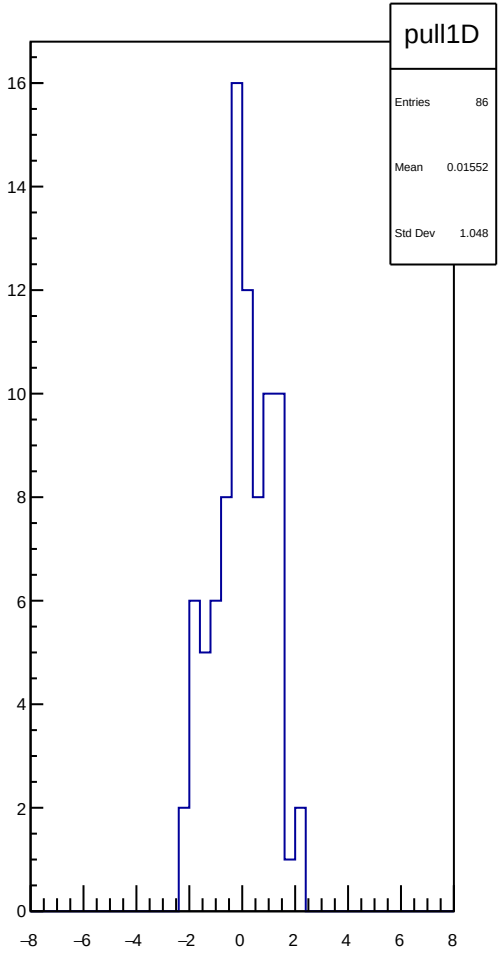

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

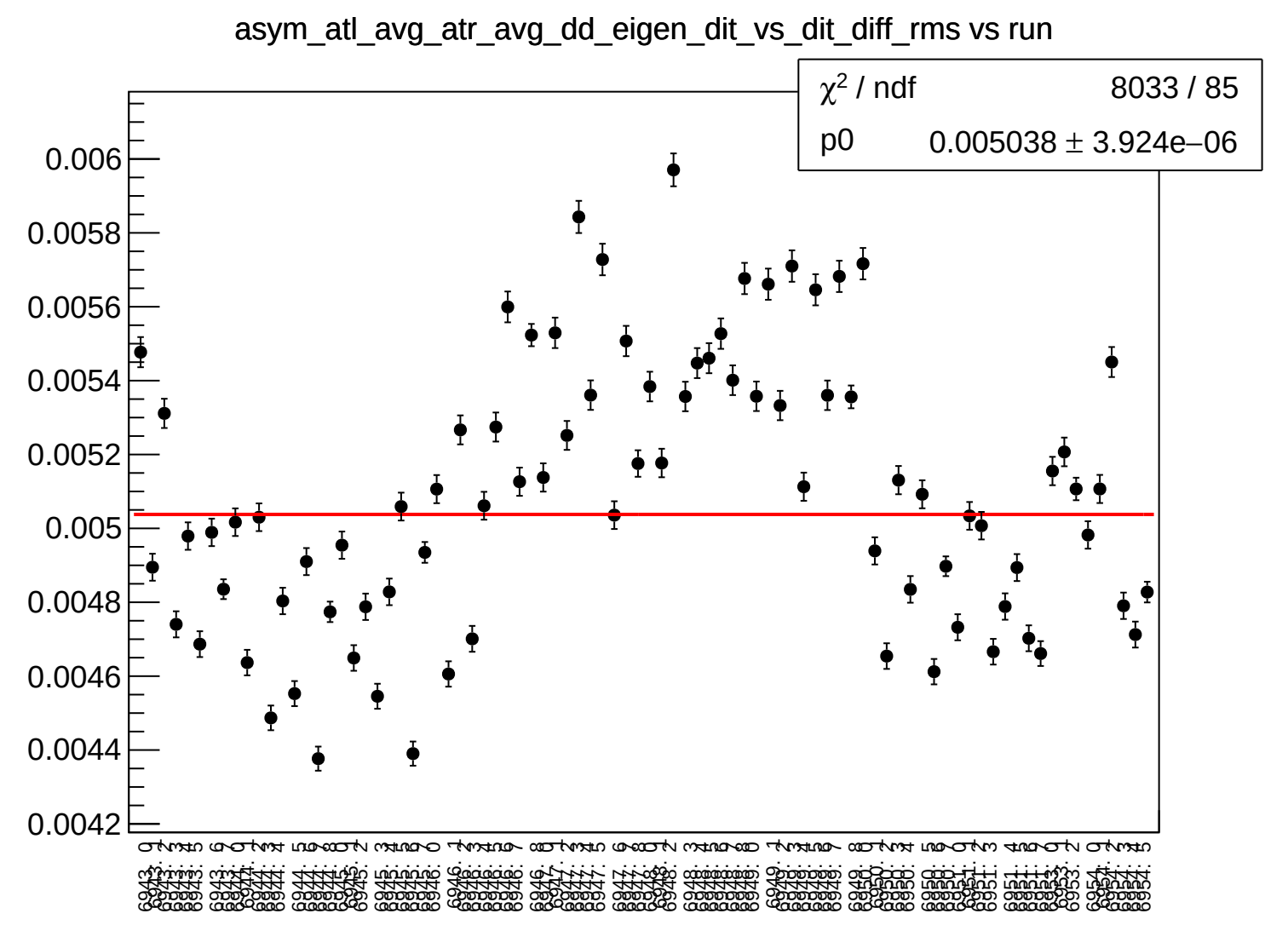

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.1 / 85
p0 −0.04887 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

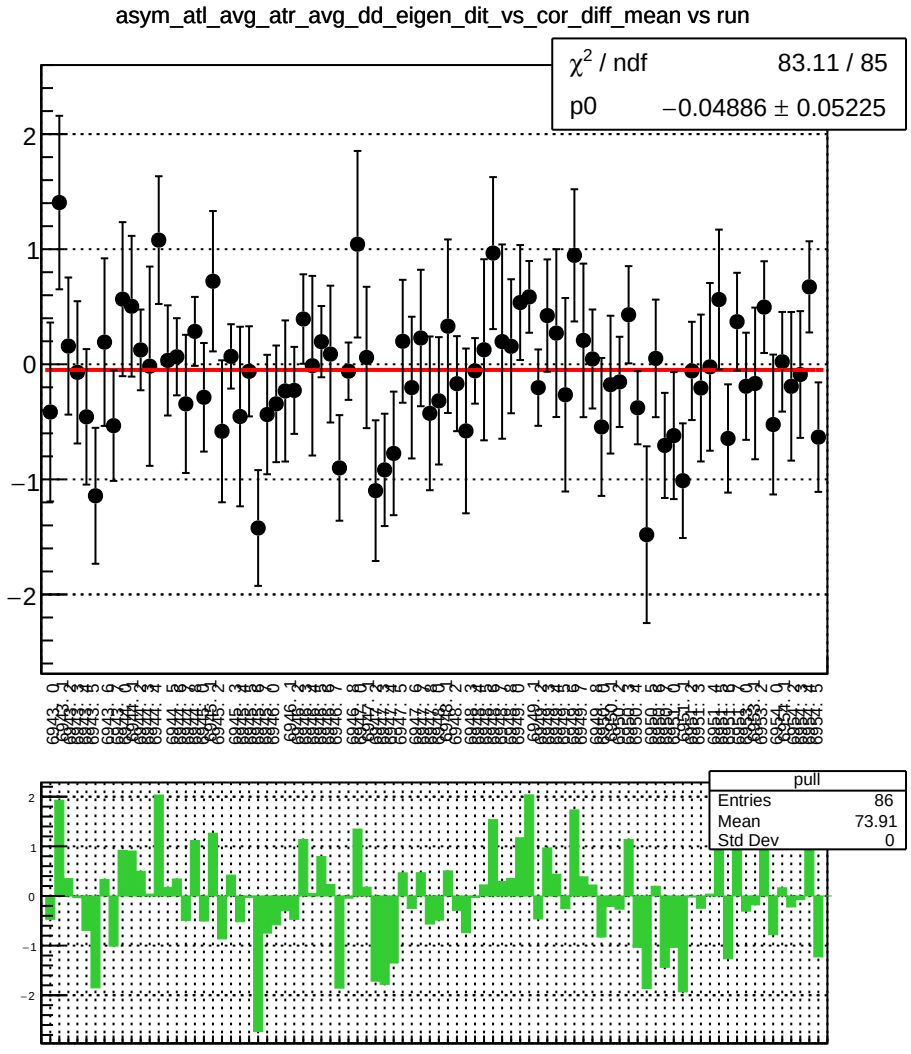

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

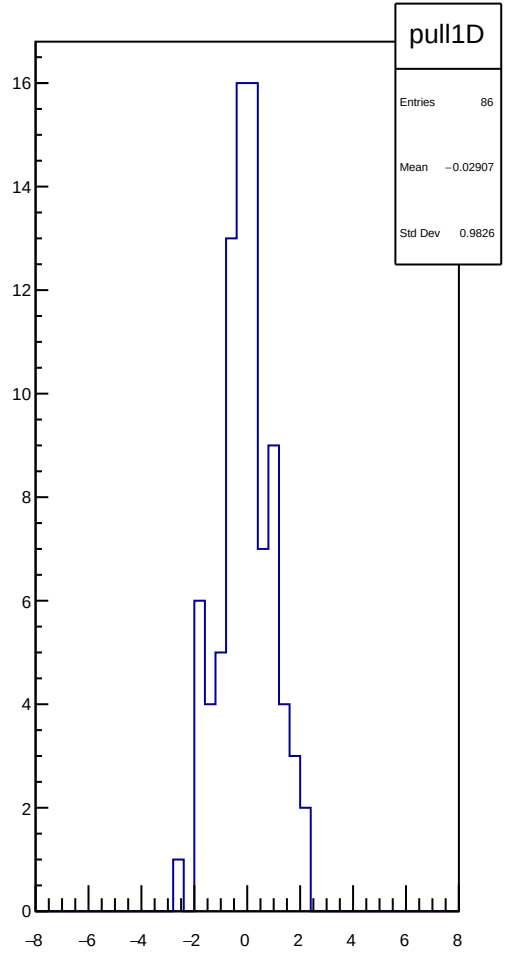

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

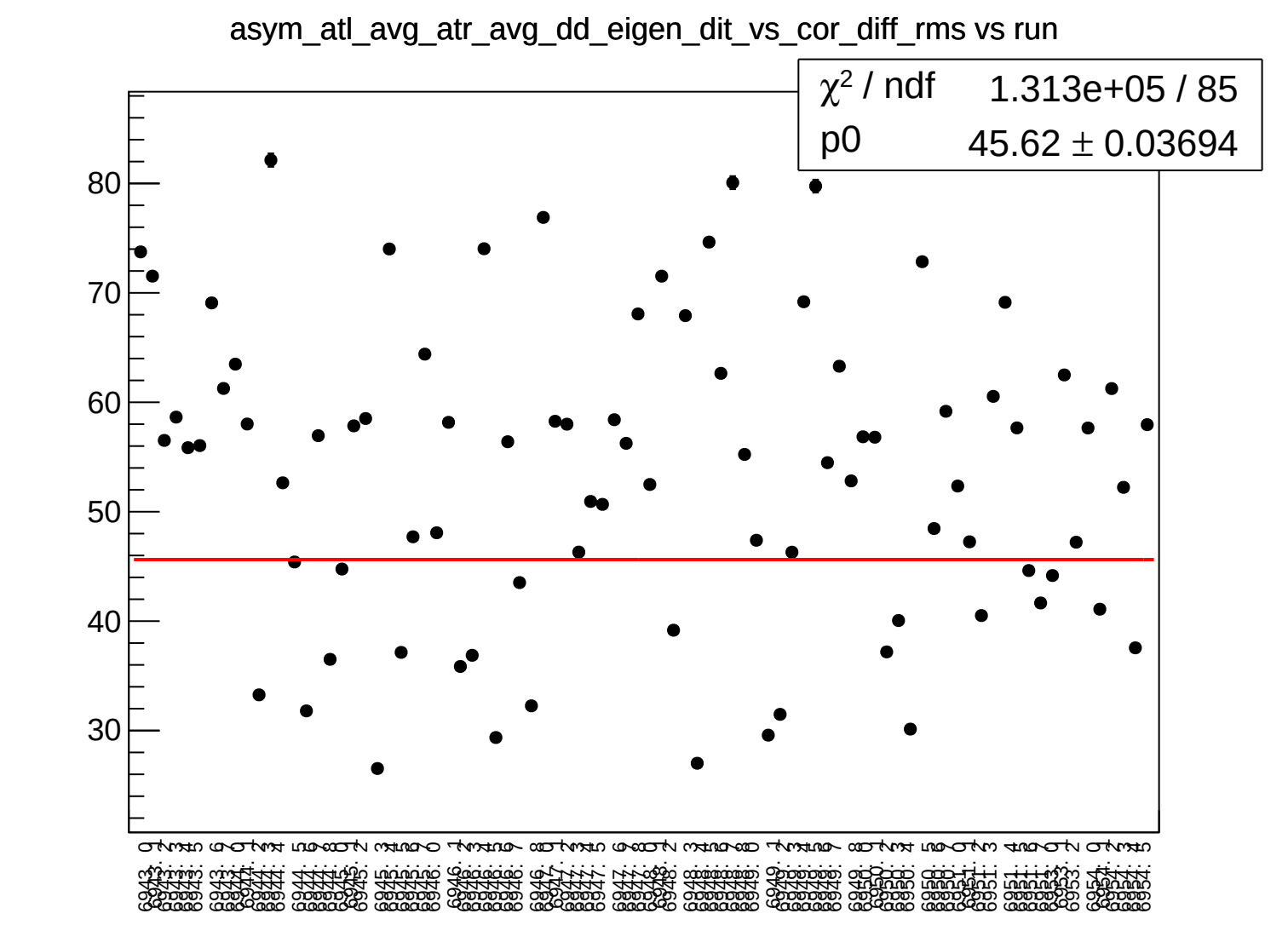

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.48 / 85
p0 1.563e−05 ± 5.55e−06
pull
Entries 86
Mean 91.53
Std Dev 0

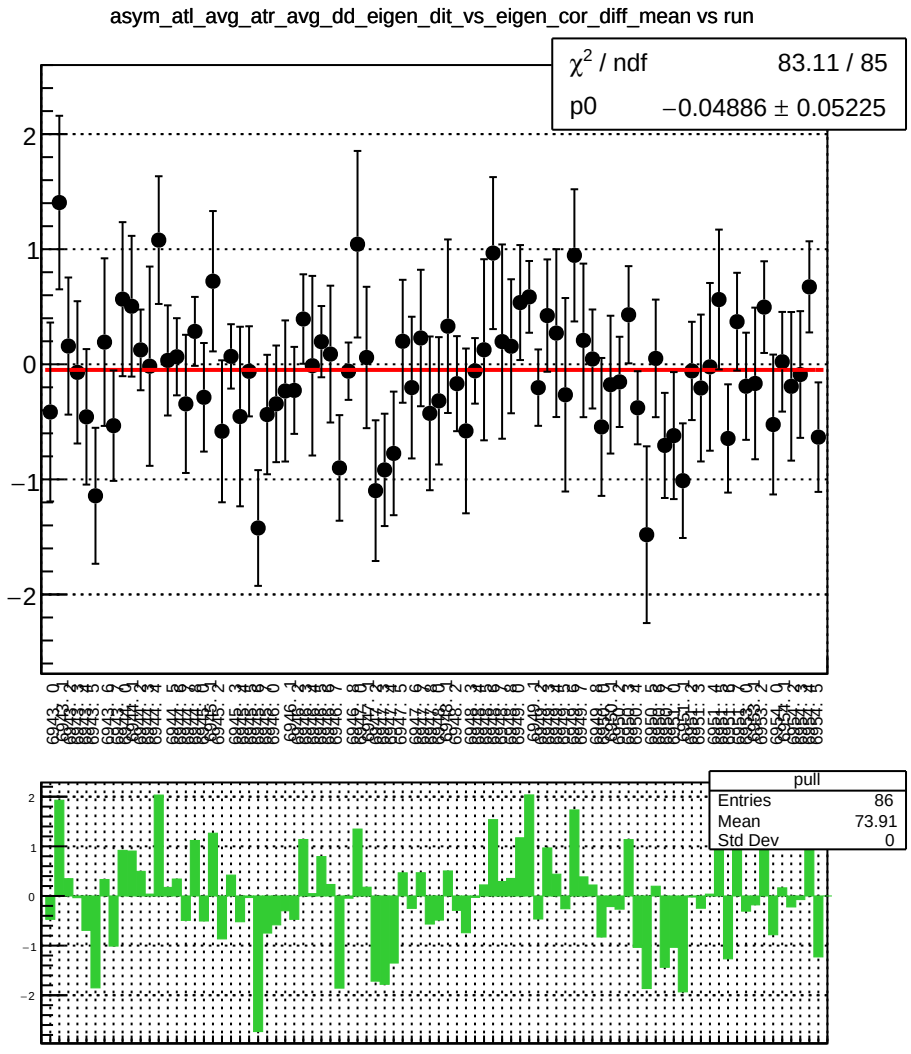

pull1D
Entries 86
Mean 0.01552
Std Dev 1.048

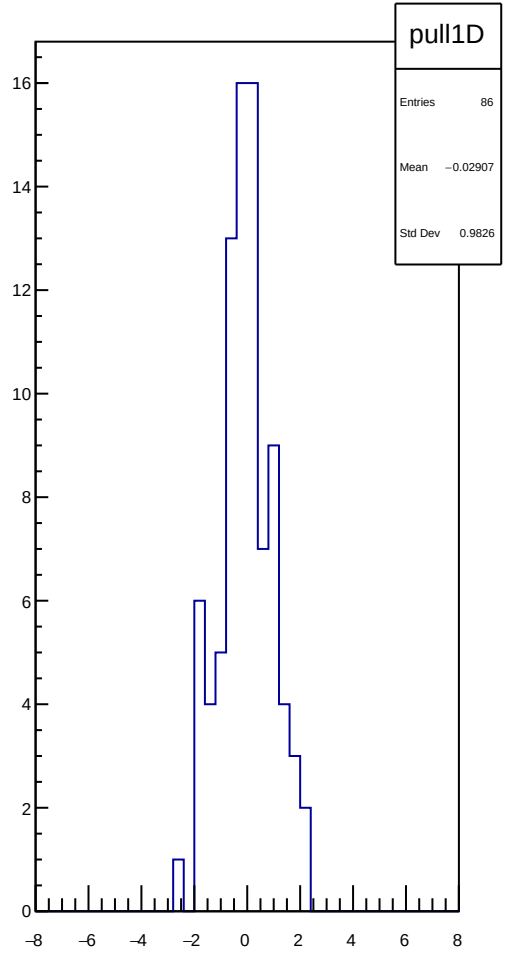

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8033 / 85
p0 0.005038 ± 3.924e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

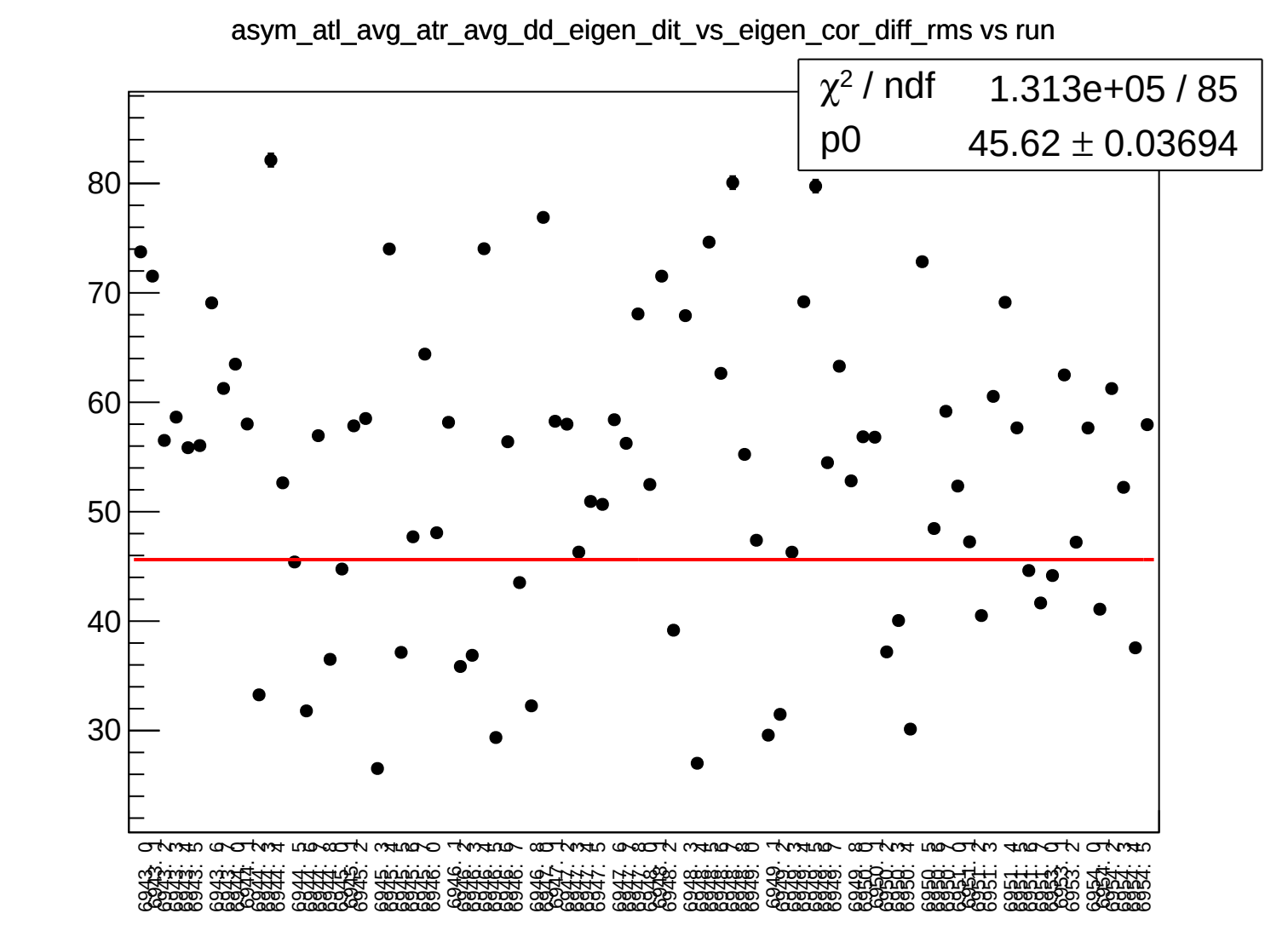

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.11 / 85
p0 −0.04886 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

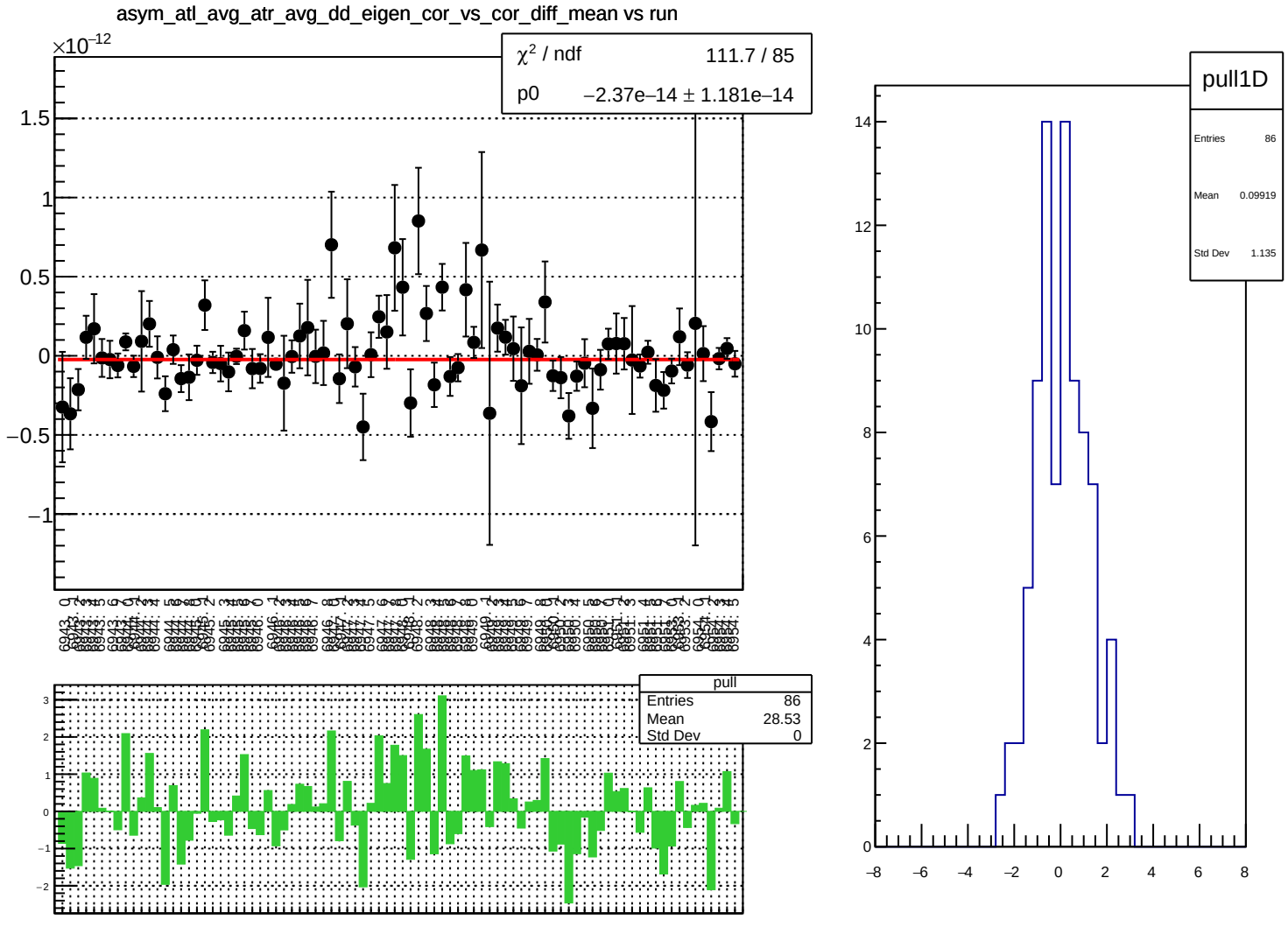

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

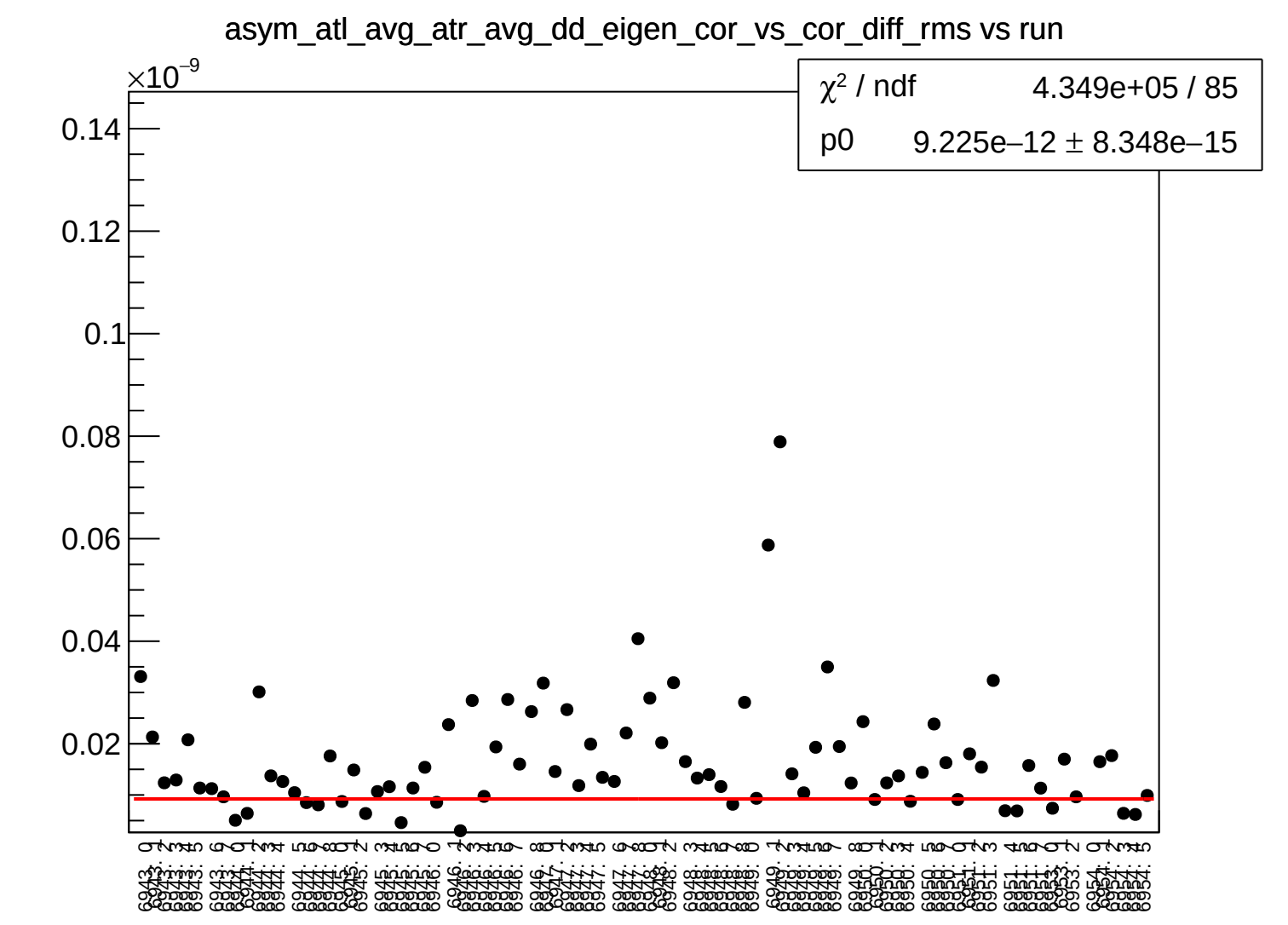

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

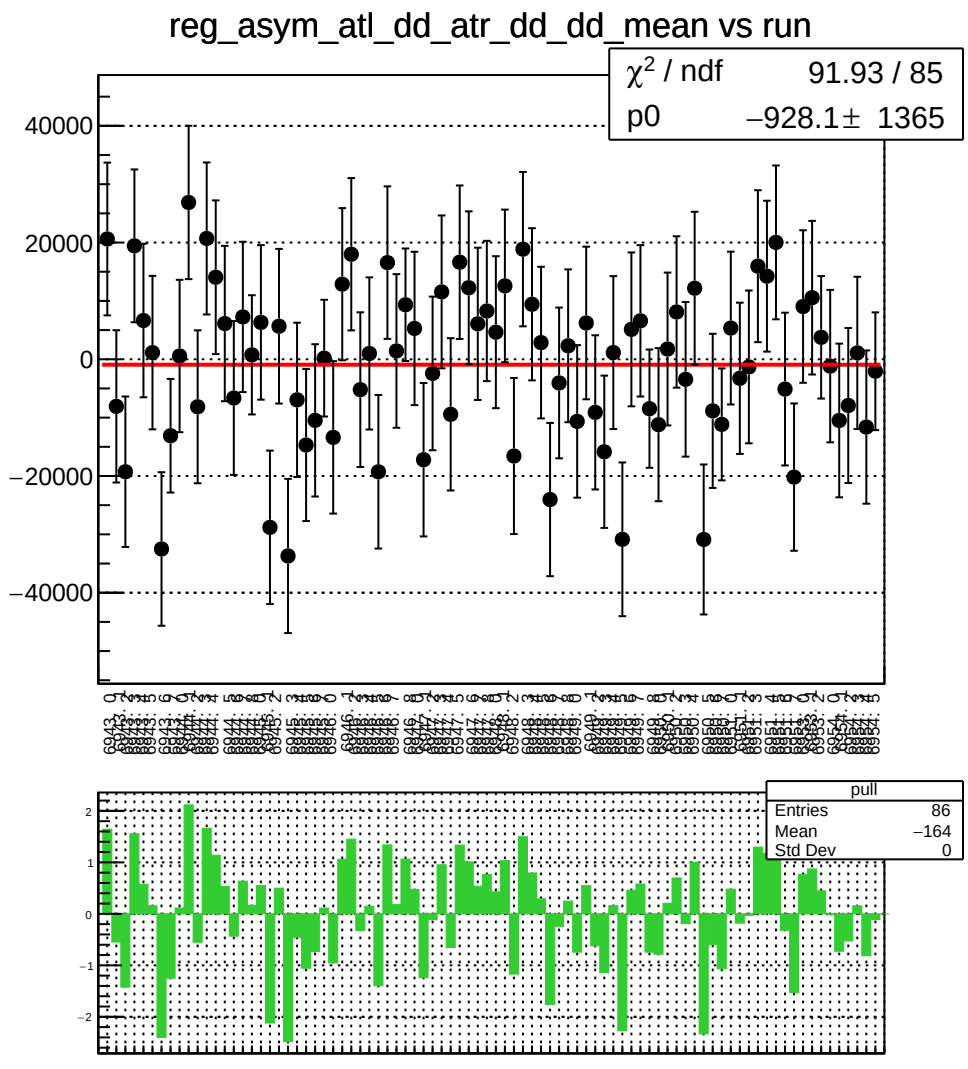

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.11 / 85
p0 −0.04886 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

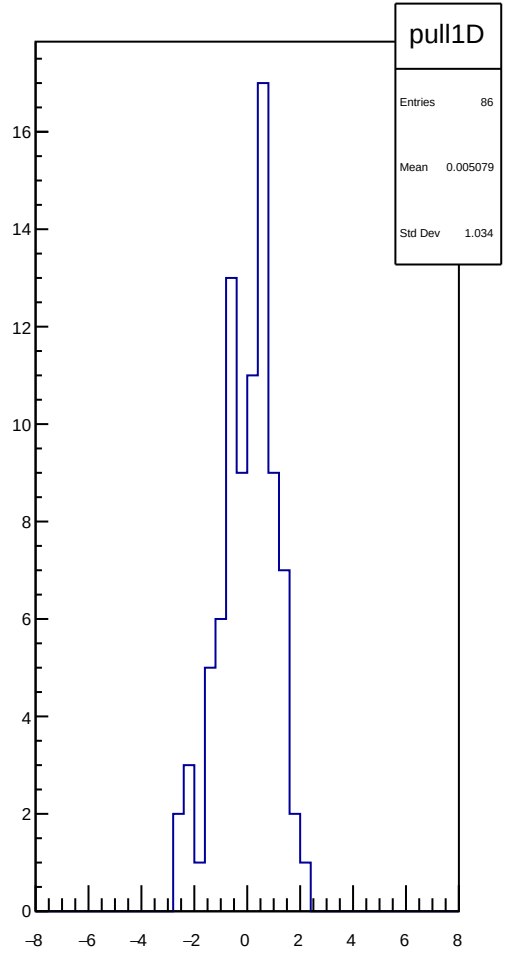

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

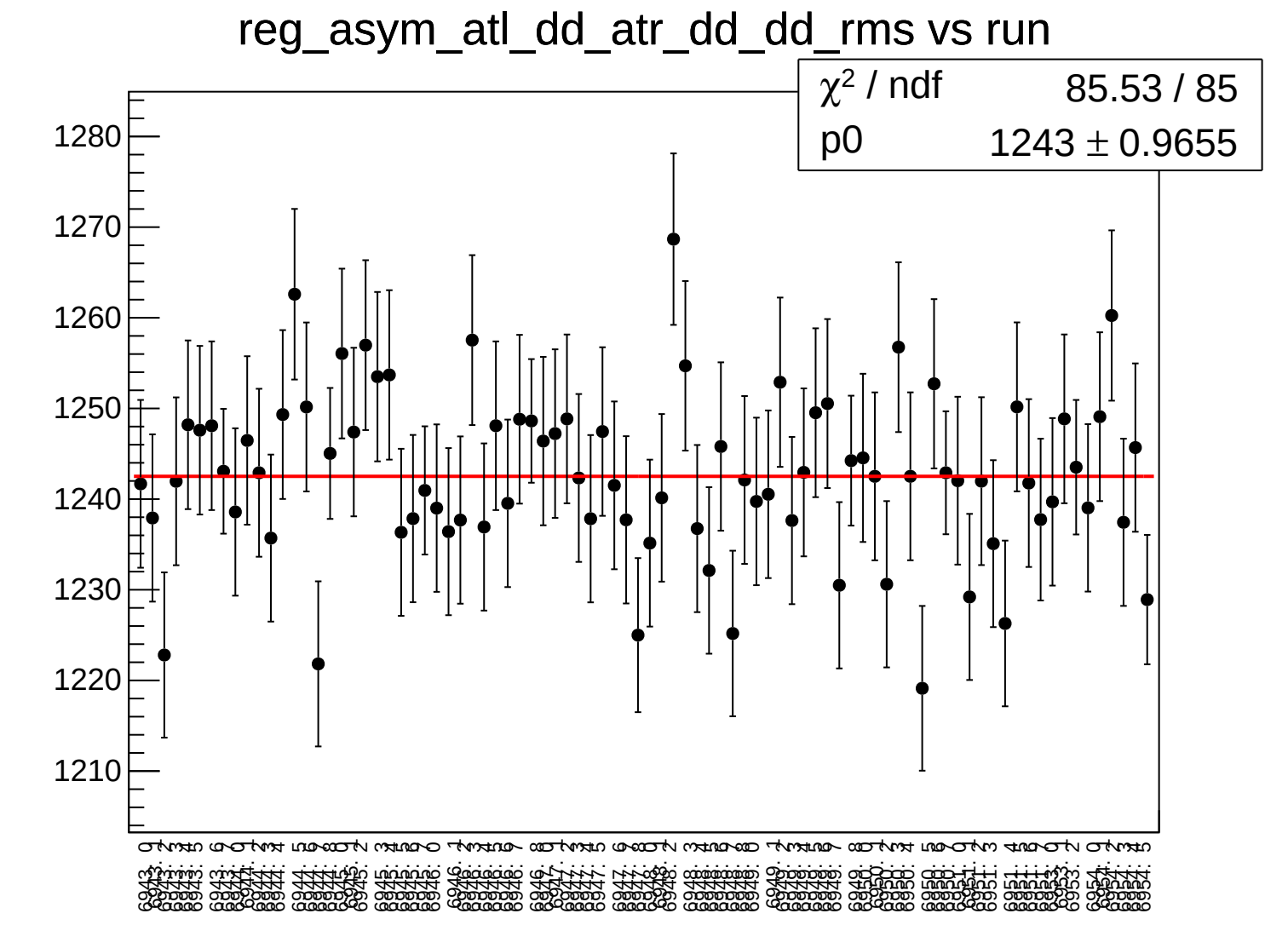

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

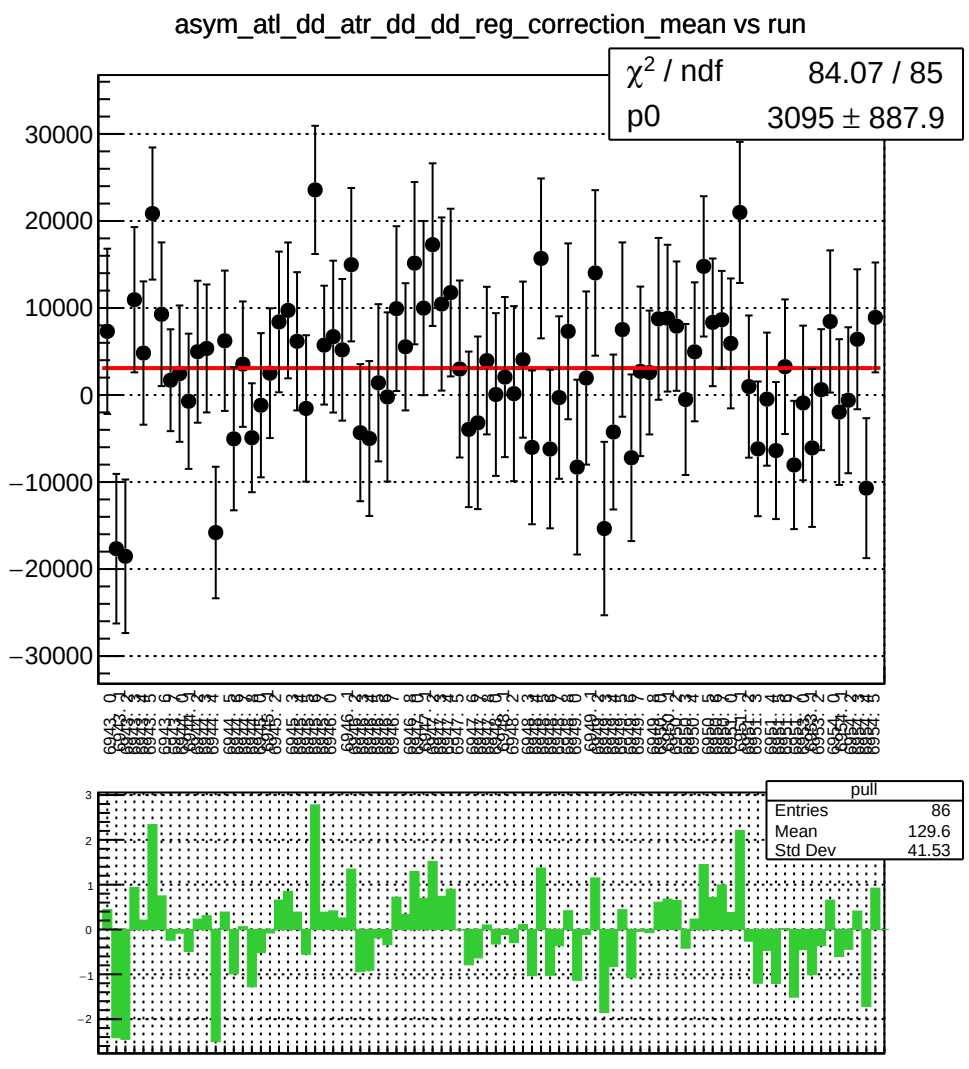

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.7 / 85
p0 −2.37e−14 ± 1.181e−14
pull
Entries 86
Mean 28.53
Std Dev 0
pull1D
Entries 86
Mean 0.09919
Std Dev 1.135

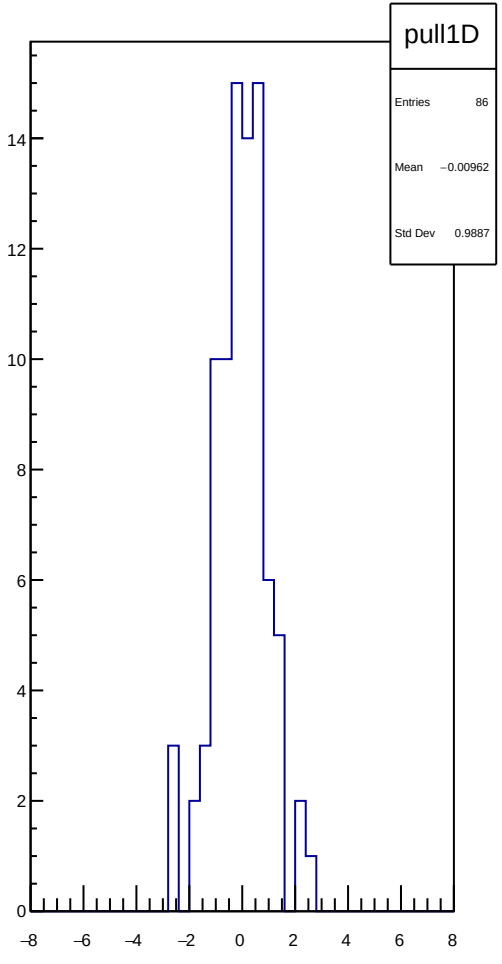

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 85
p0 9.225e−12 ± 8.348e−15
0.14
0.12
0.1
0.08
0.06
0.04
0.02

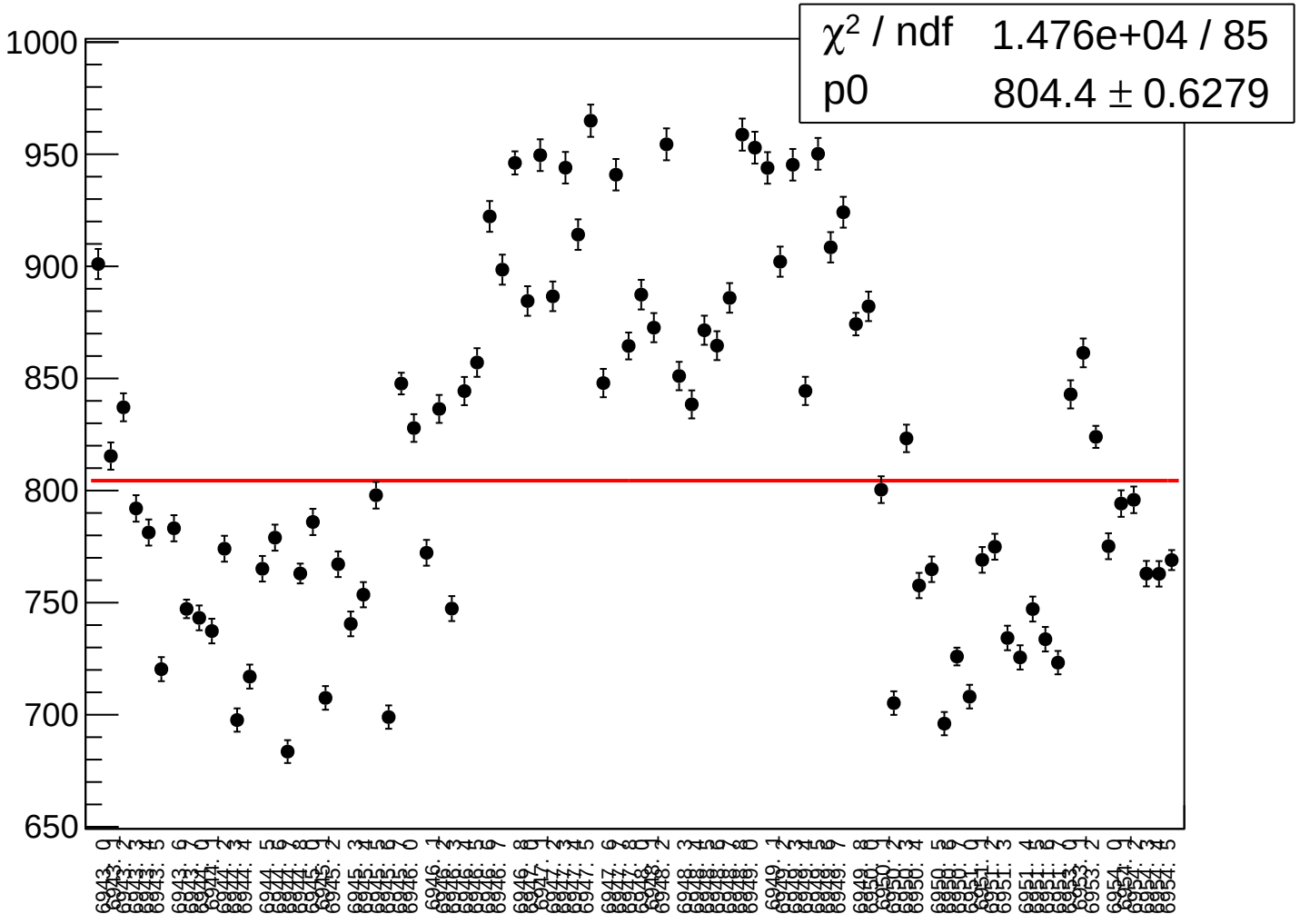

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −164
Std Dev 0
2
1
0
−1
−2

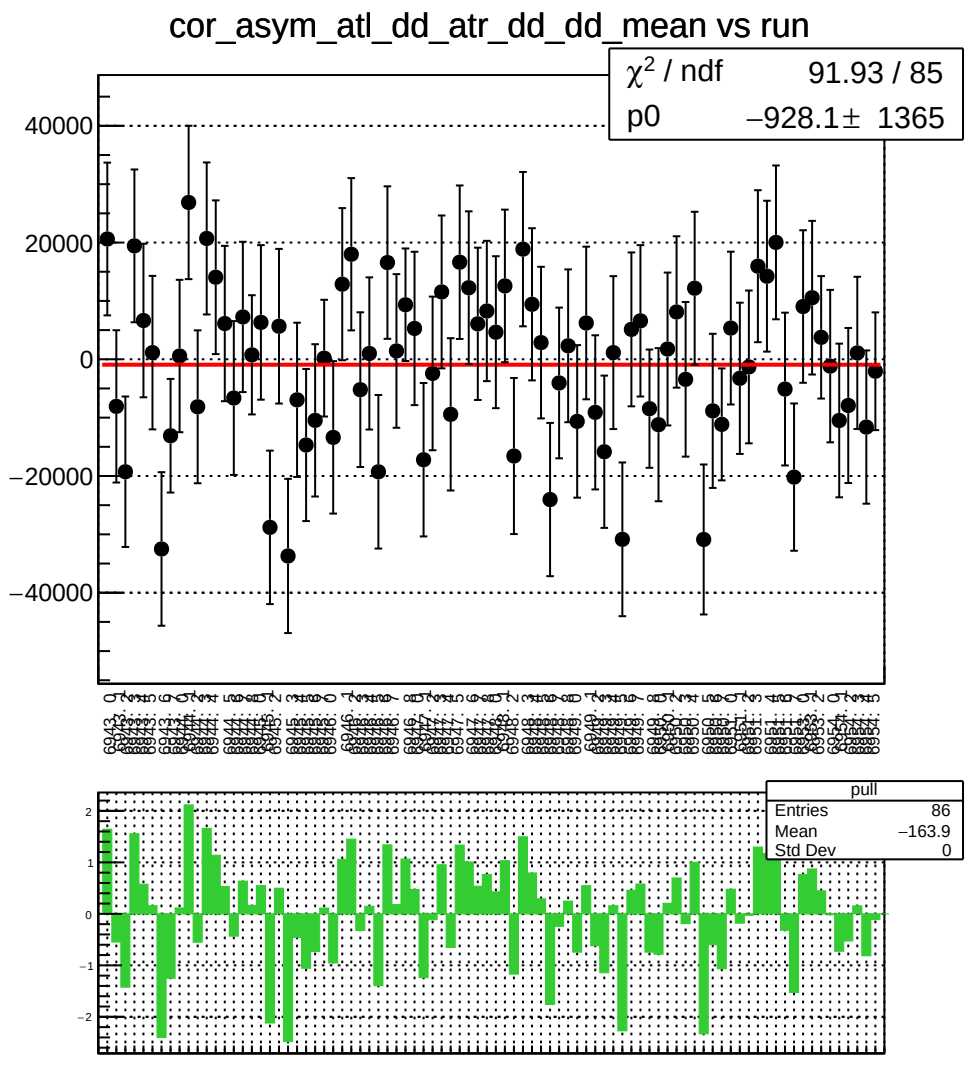

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

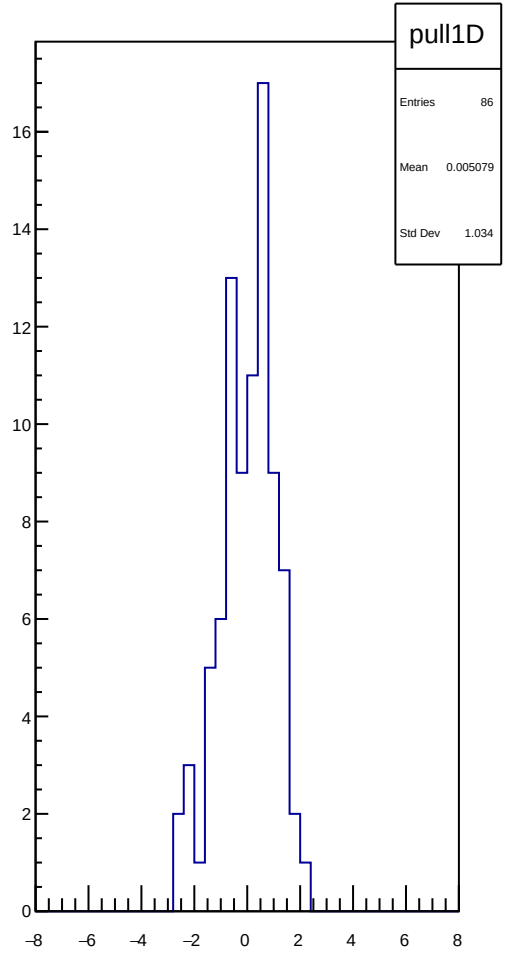

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

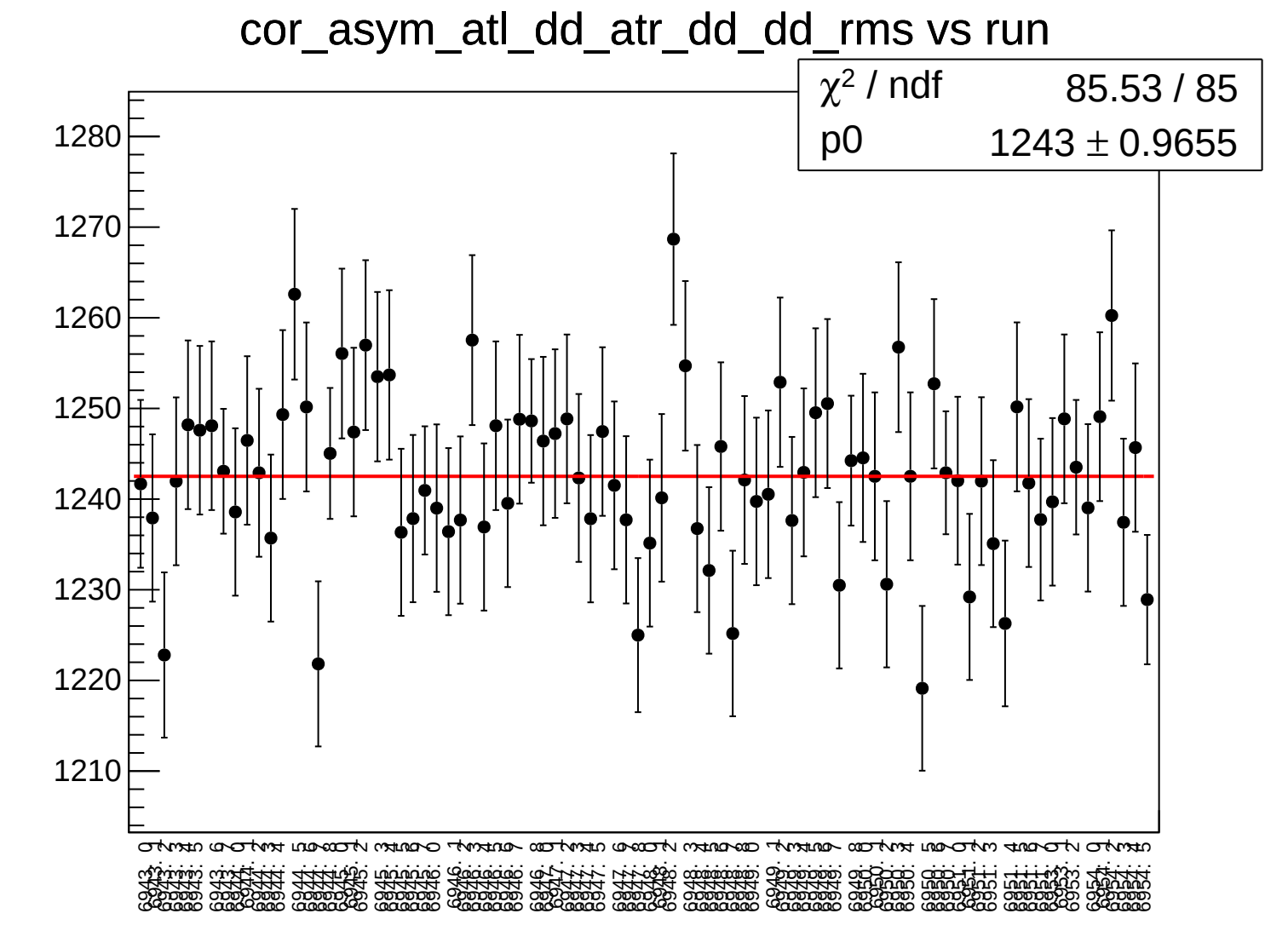

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
pull
Entries 86
Mean 129.6
Std Dev 41.53

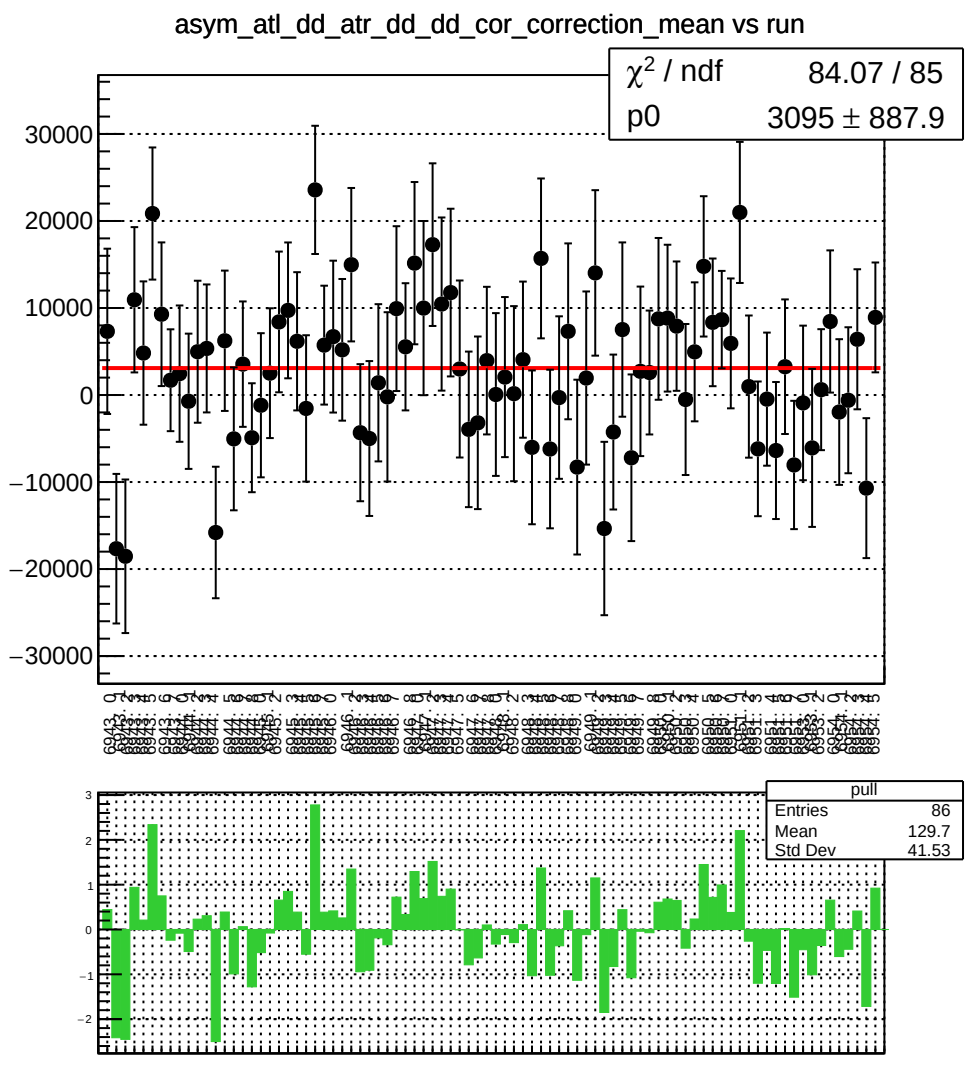

pull1D
Entries 86
Mean −0.00962
Std Dev 0.9887

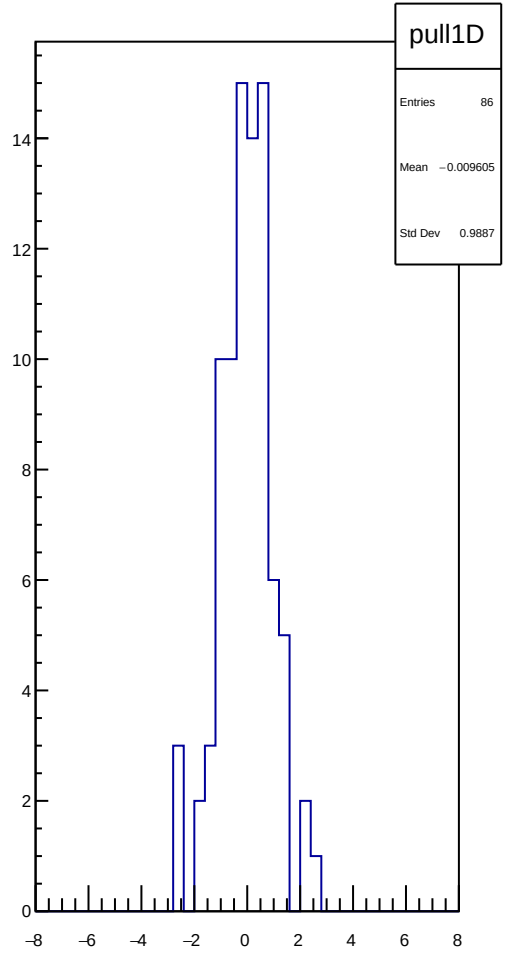

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650

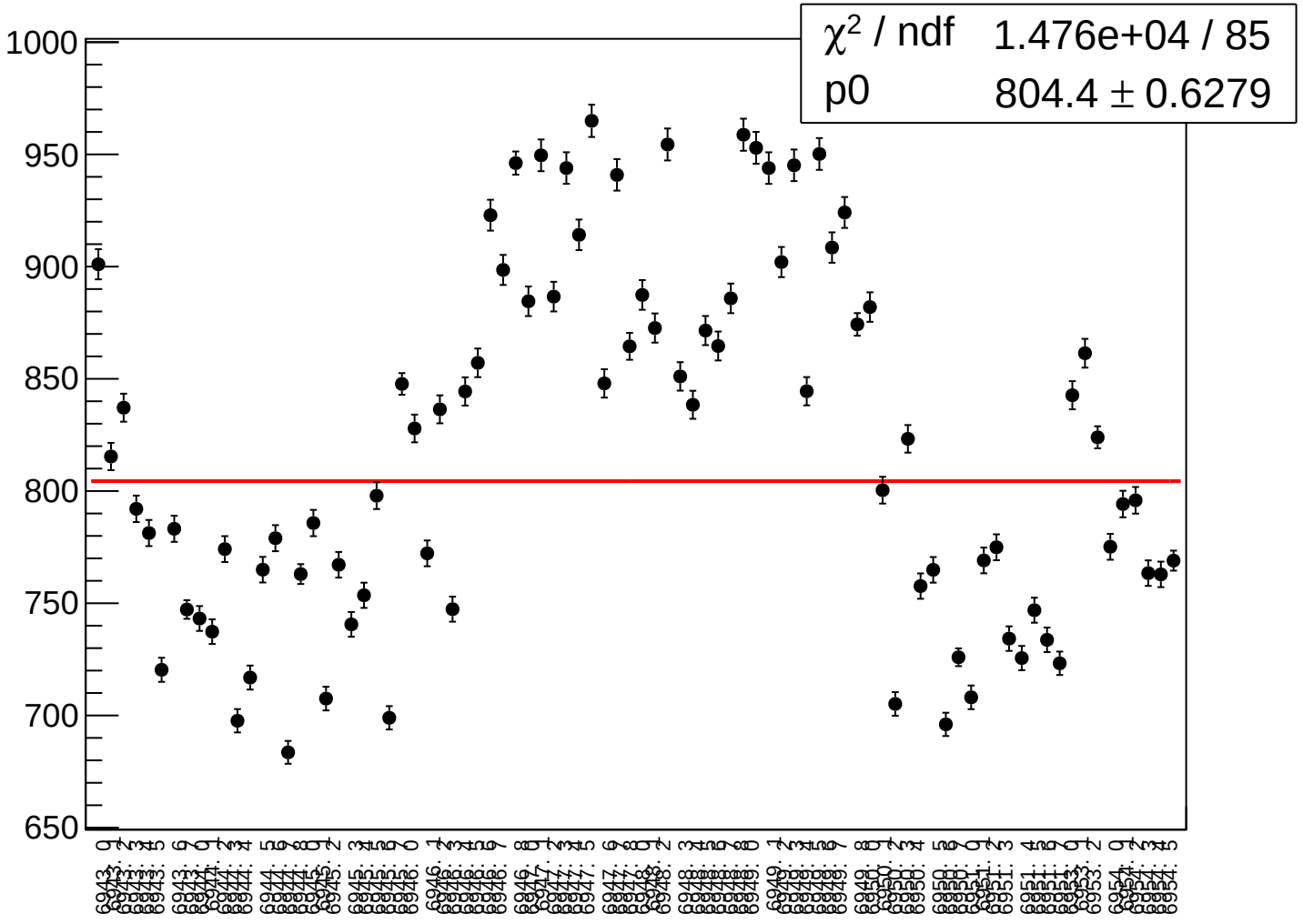

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −163.9
Std Dev 0
2
1
0
−1
−2

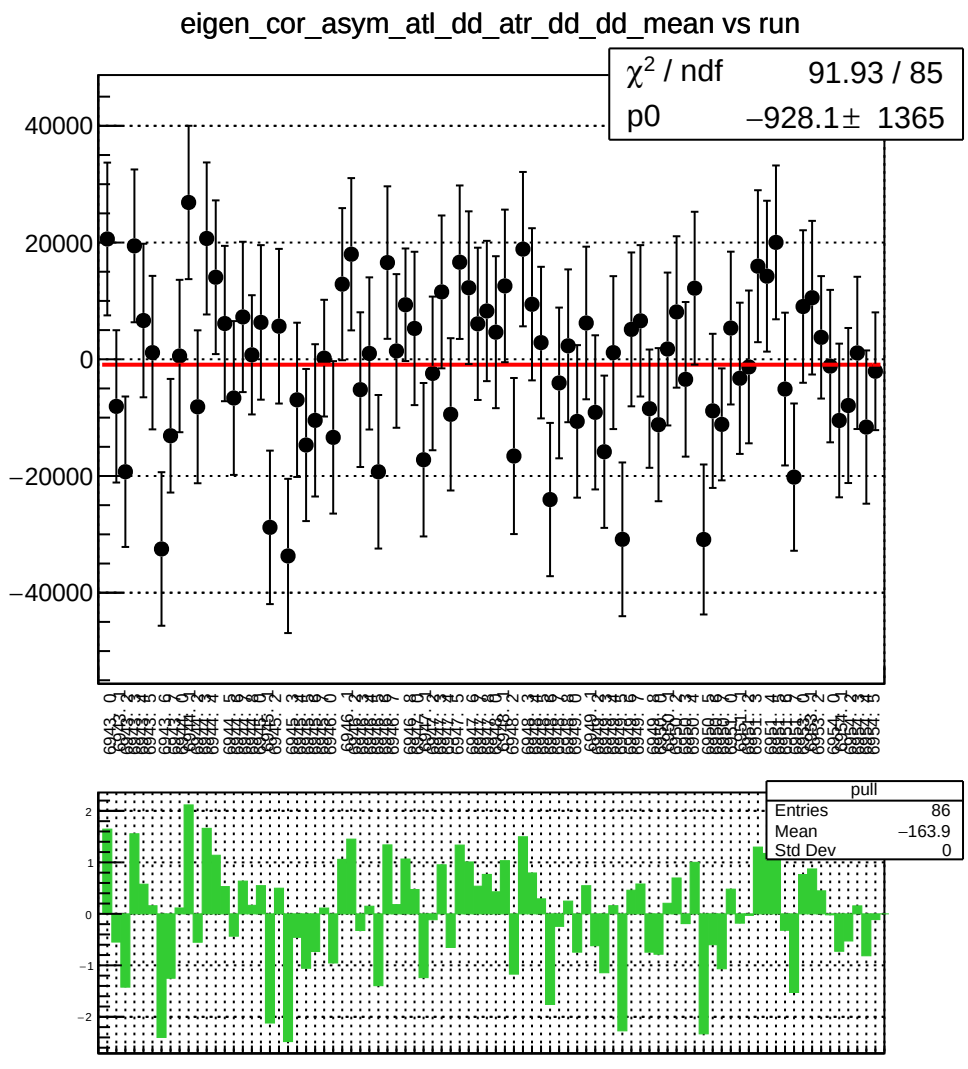

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

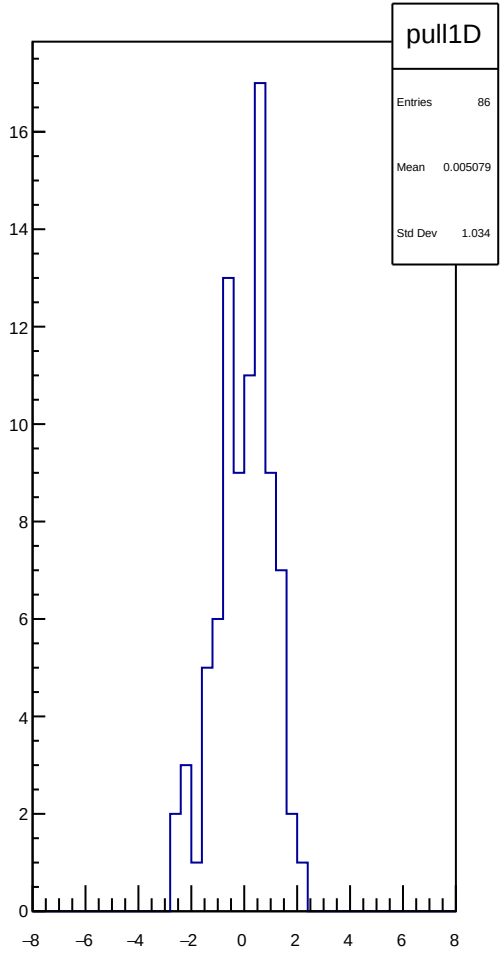

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

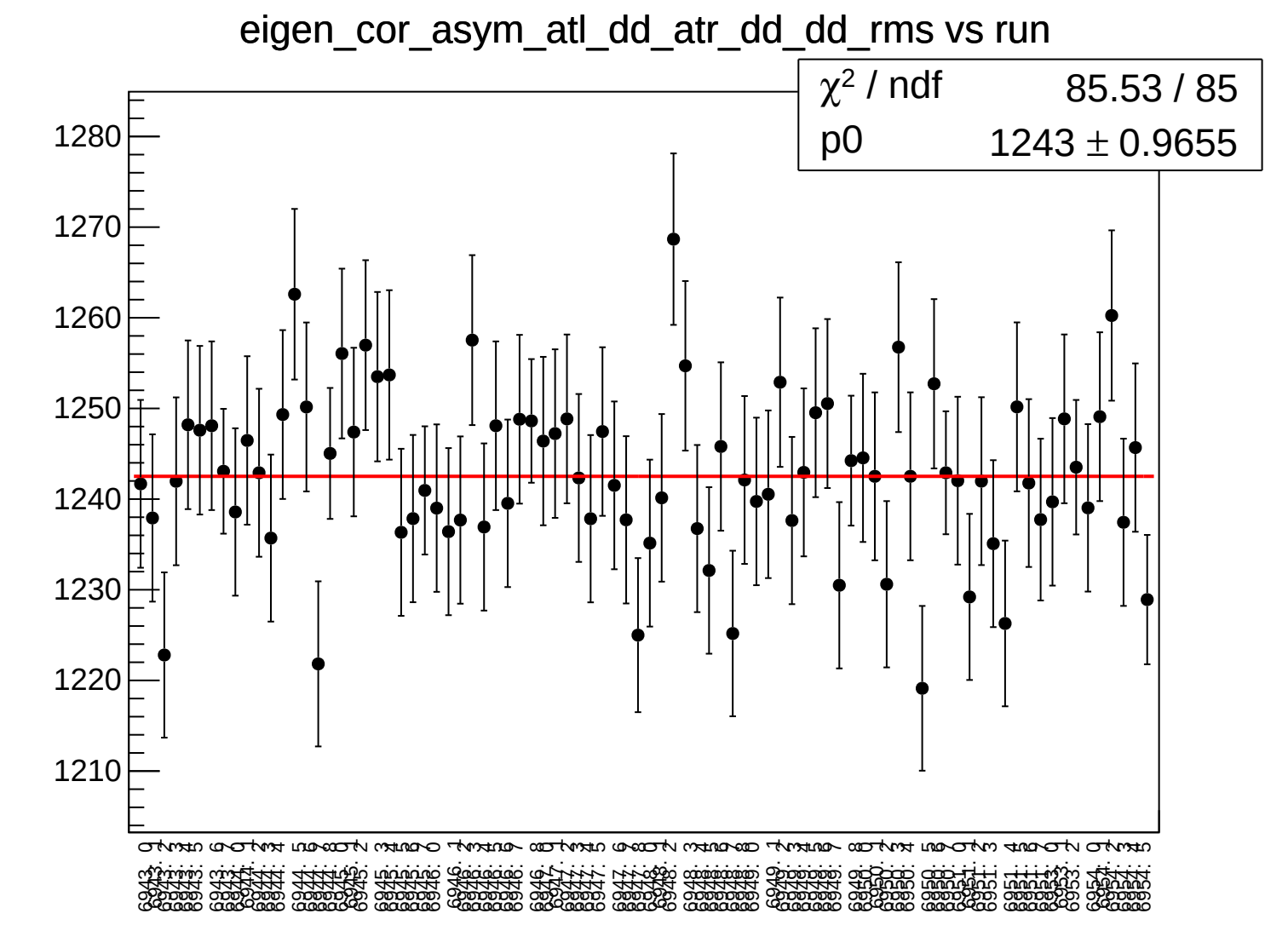

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.7
Std Dev 41.53
3
2
1
0
−1
−2

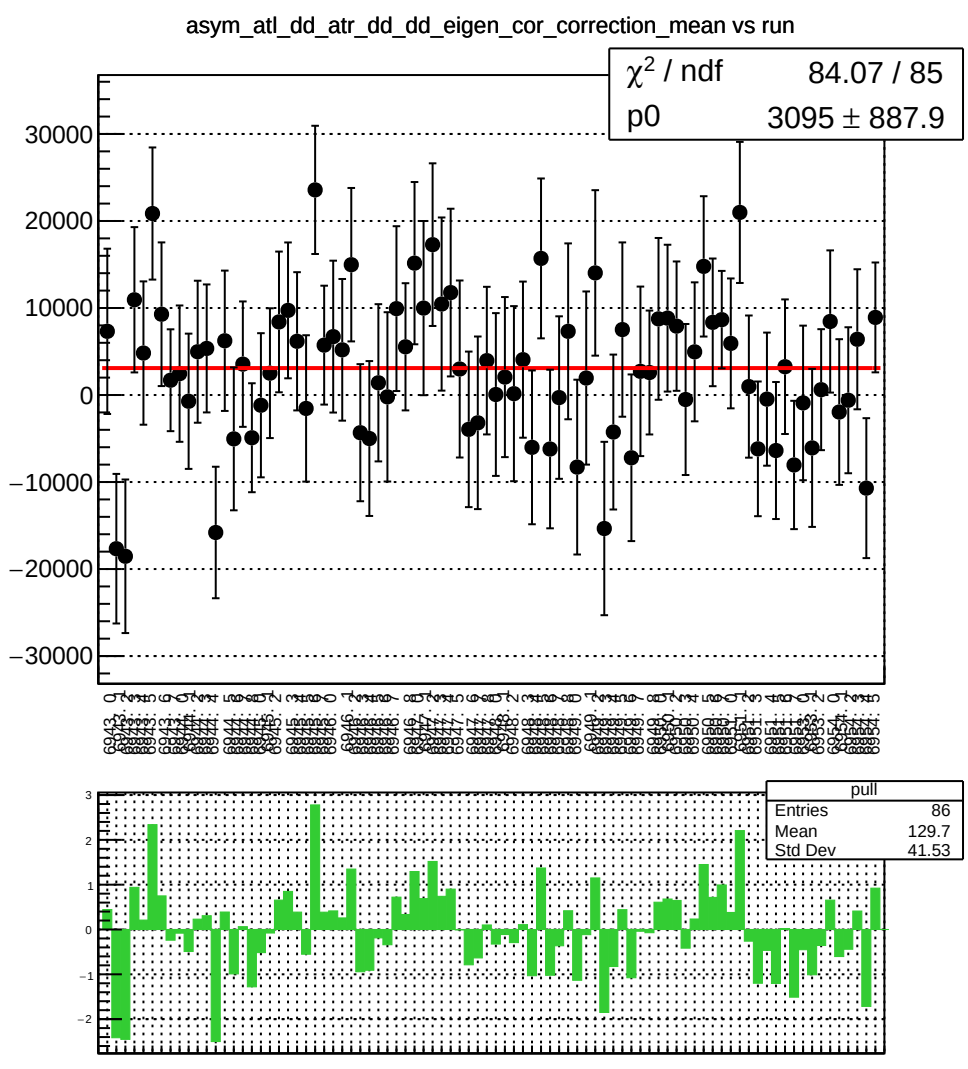

pull1D
Entries 86
Mean −0.009605
Std Dev 0.9887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

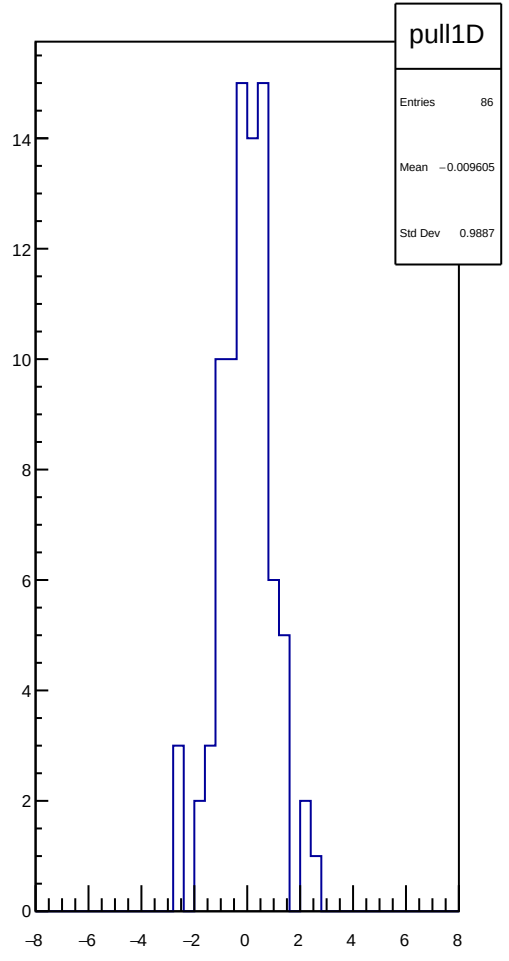

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650

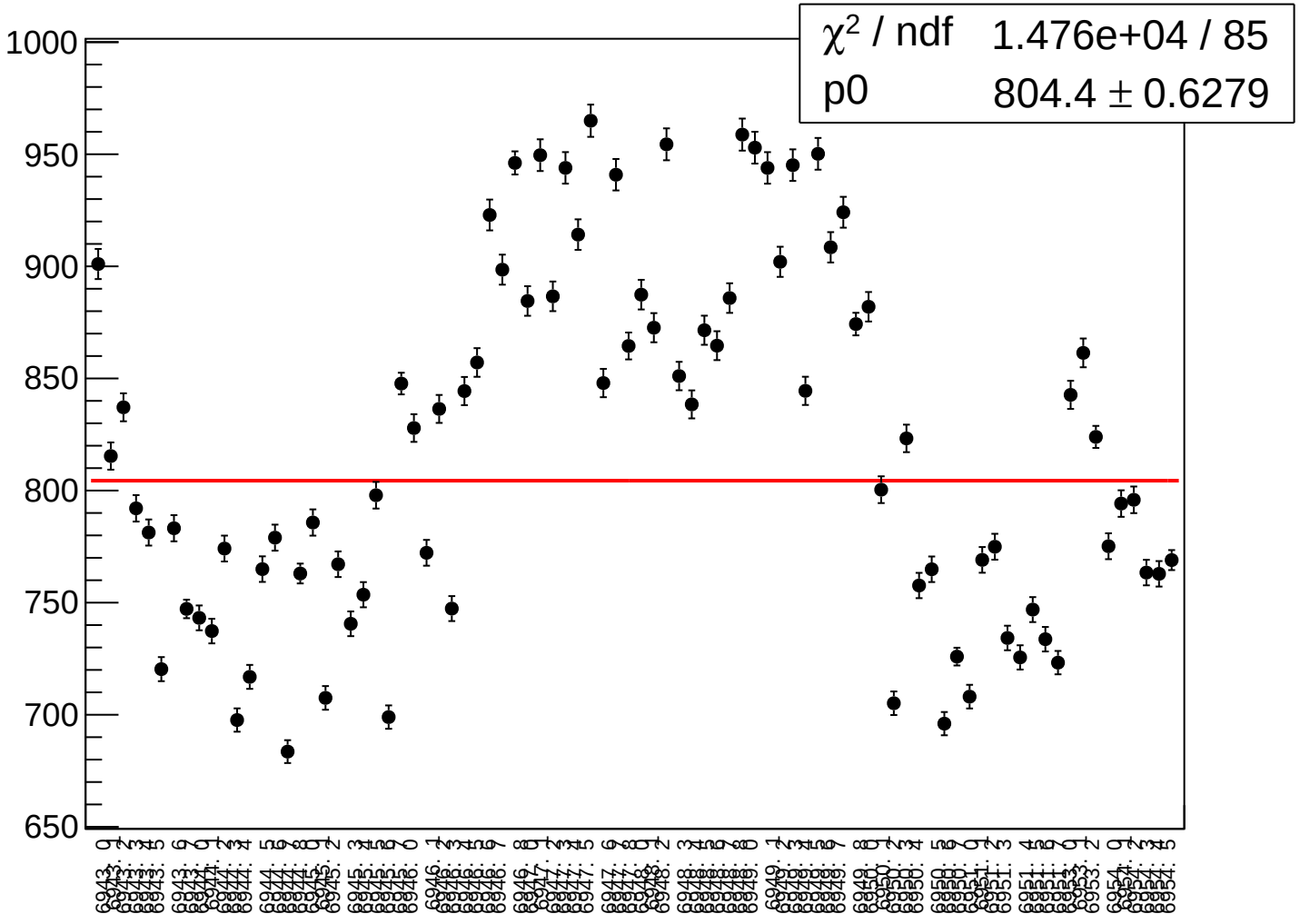

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −163.9
Std Dev 0
2
1
0
−1
−2

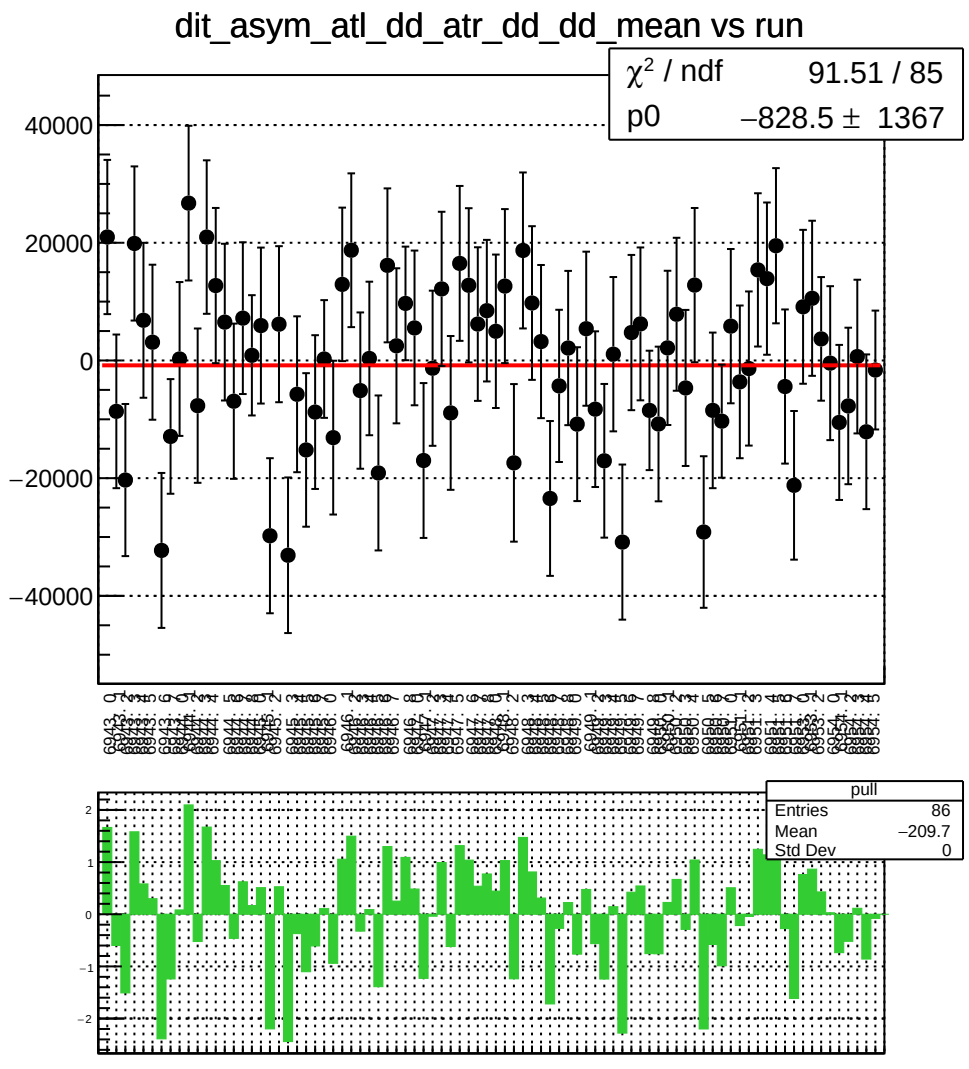

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

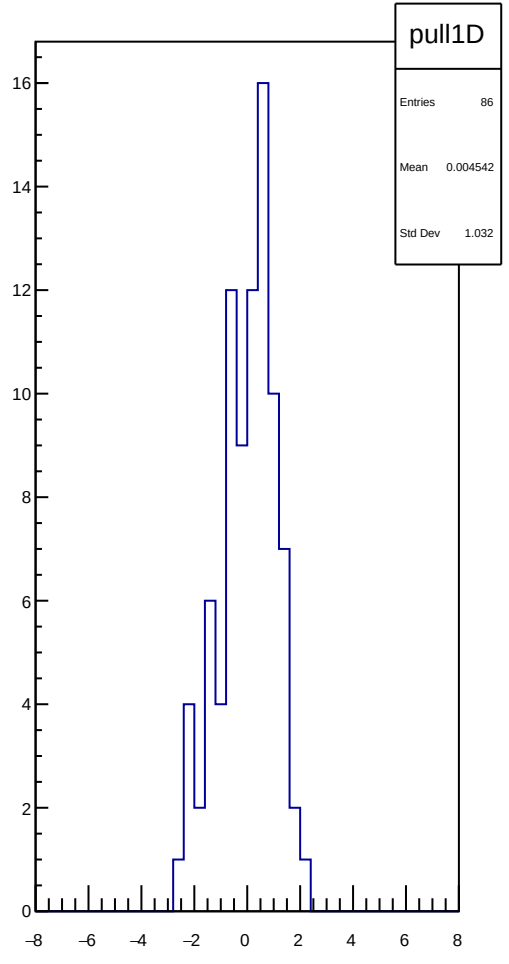

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

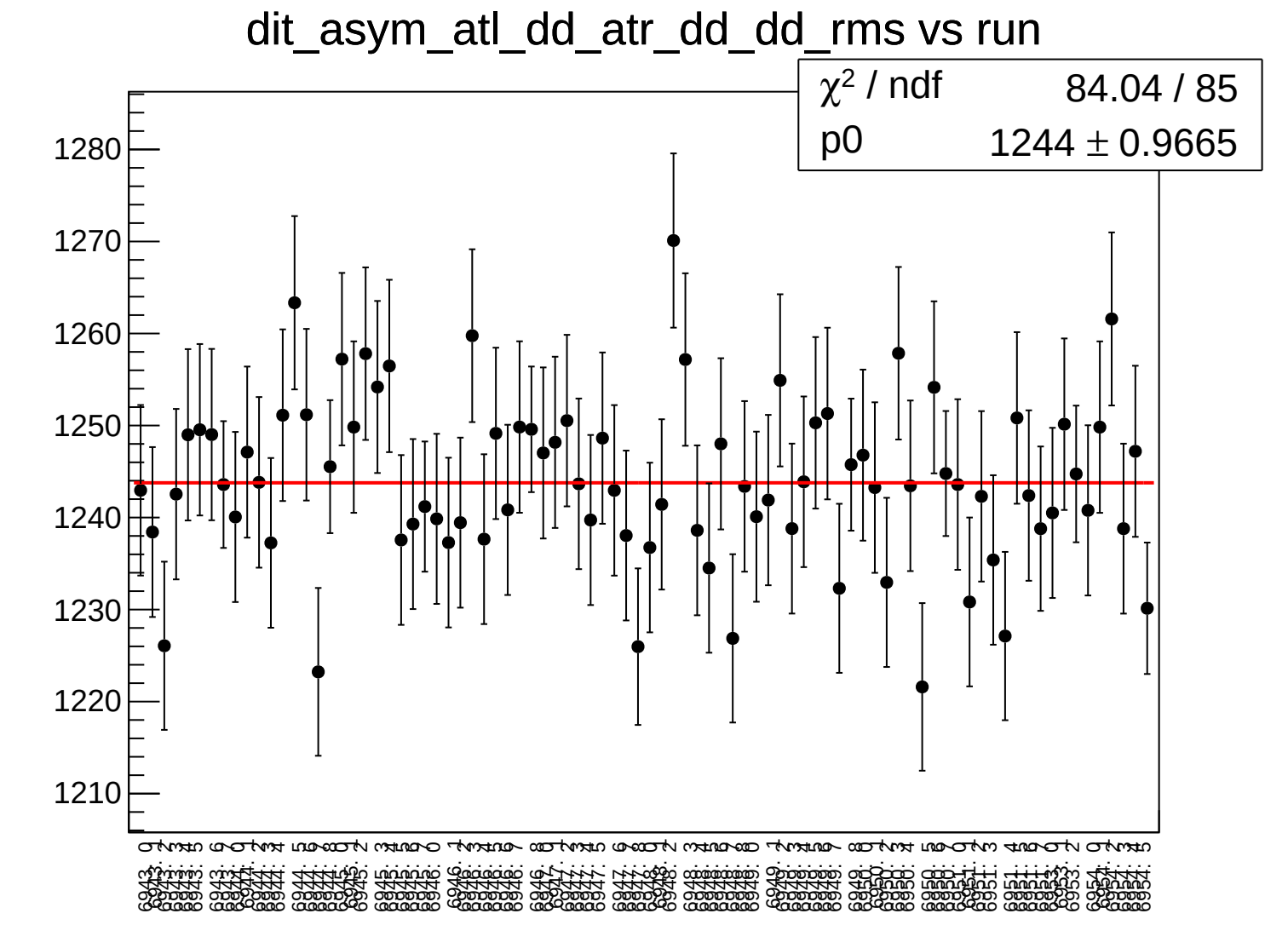

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.7
Std Dev 41.53
3
2
1
0
−1
−2

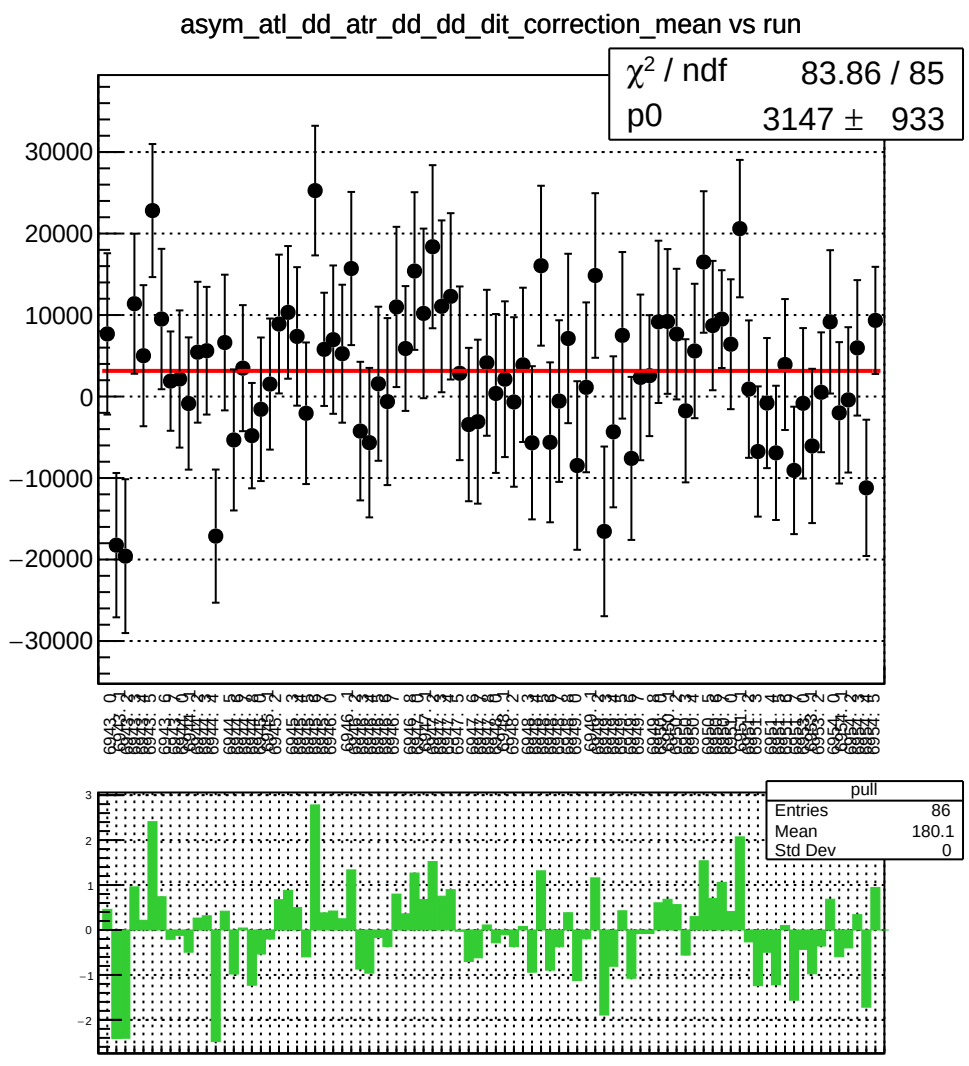

pull1D
Entries 86
Mean −0.009605
Std Dev 0.9887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

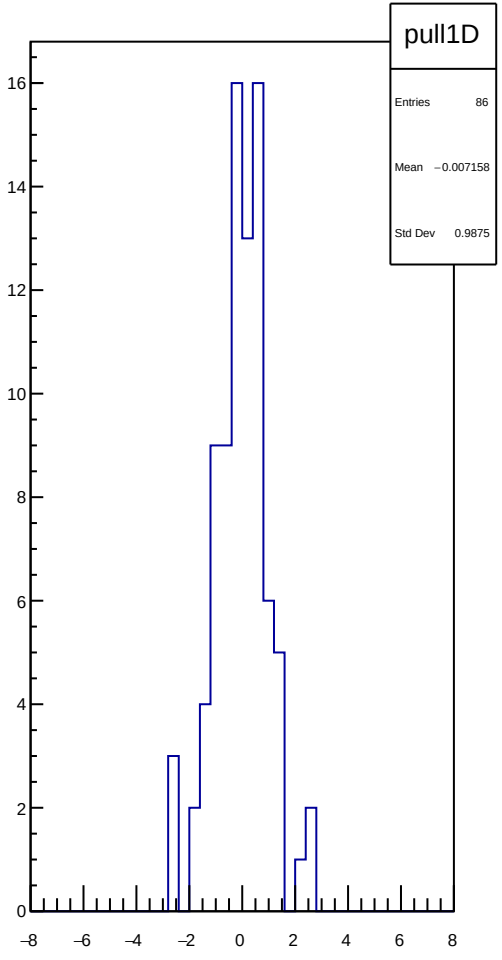

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650

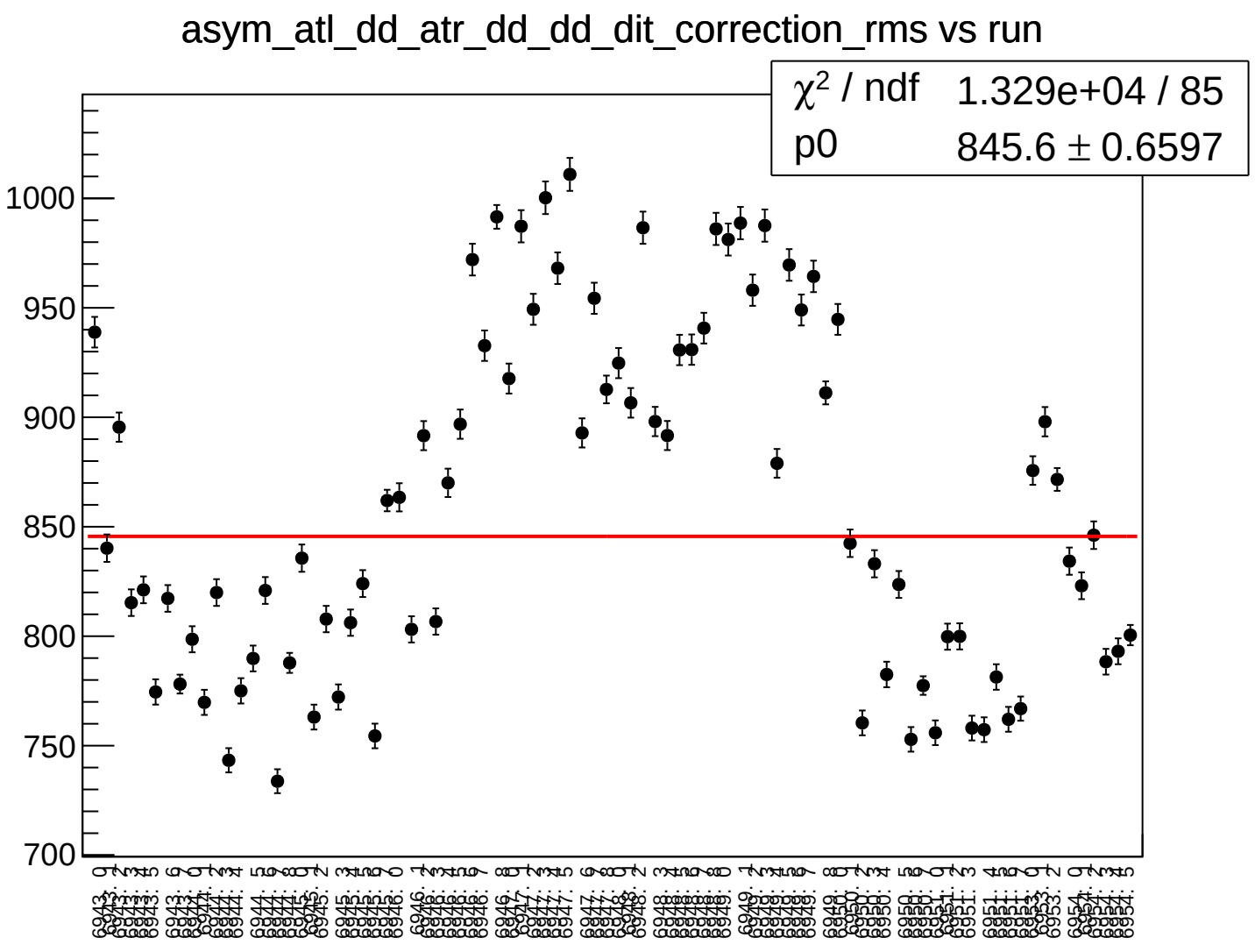

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.51 / 85
p0 −828.5 ± 1367
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −209.7
Std Dev 0
2
1
0
−1
−2

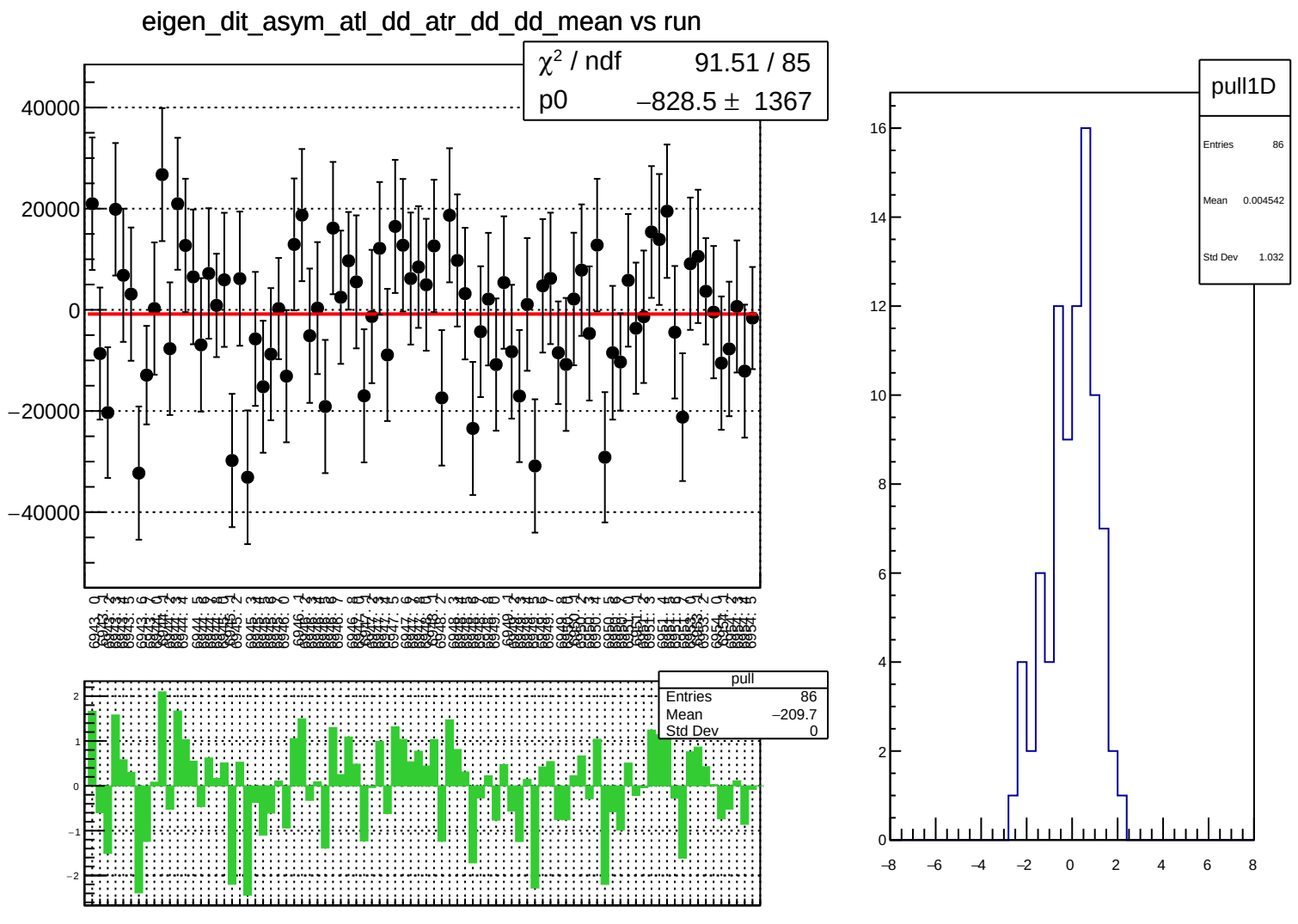

pull1D
Entries 86
Mean 0.004542
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

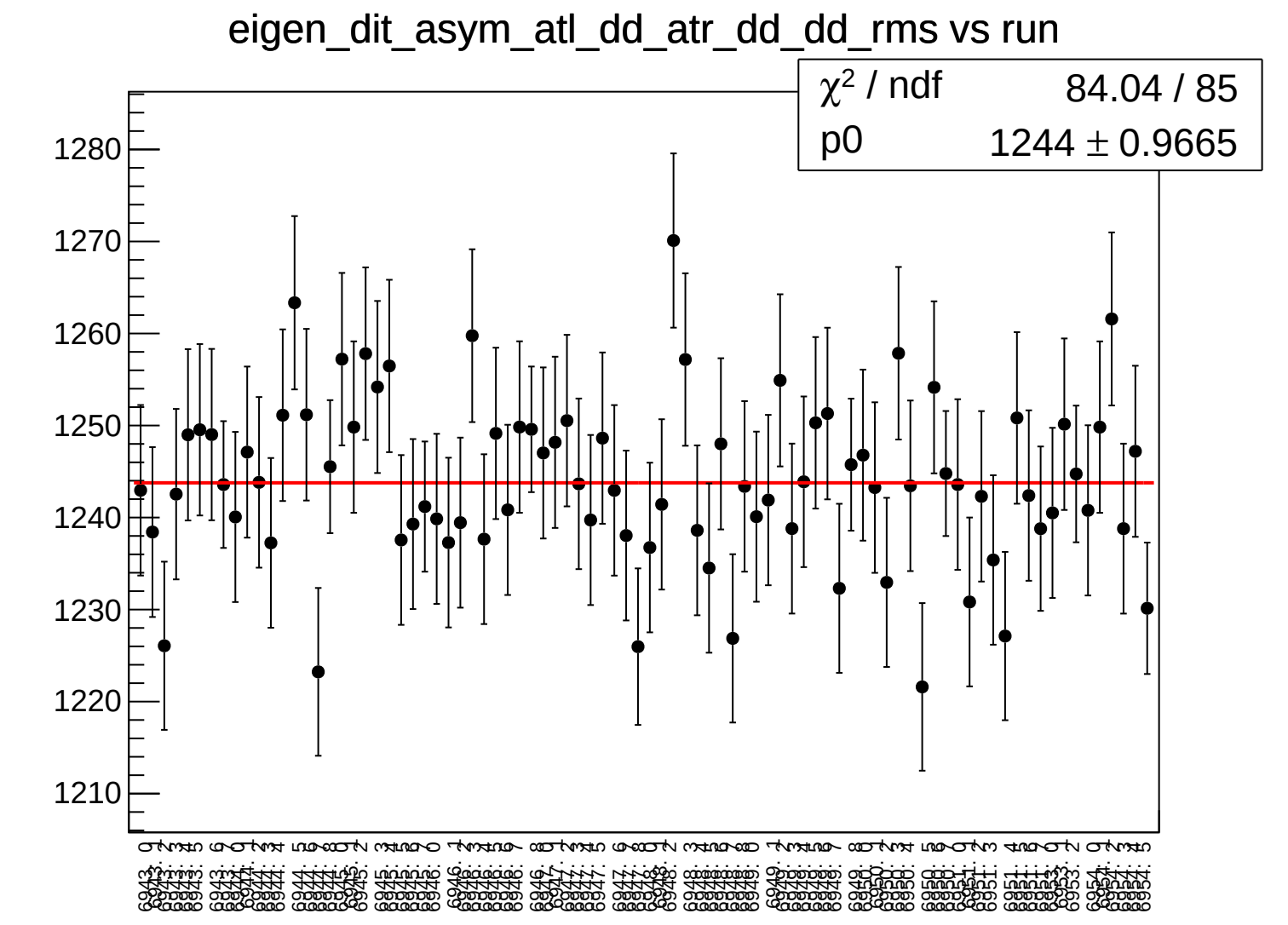

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 84.04 / 85
p0 1244 ± 0.9665
1280
1270
1260
1250
1240
1230
1220
1210

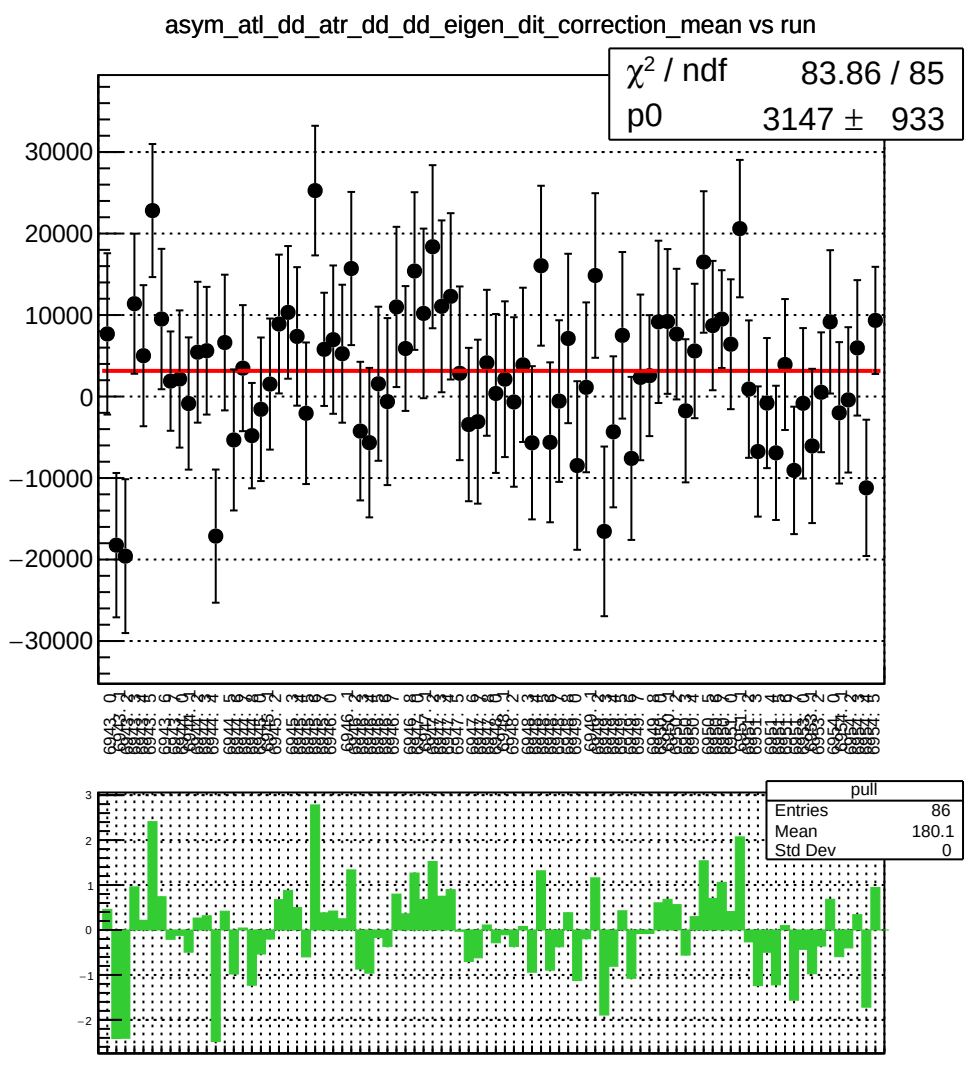

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 83.86 / 85
p0 3147 ± 933
pull
Entries 86
Mean 180.1
Std Dev 0

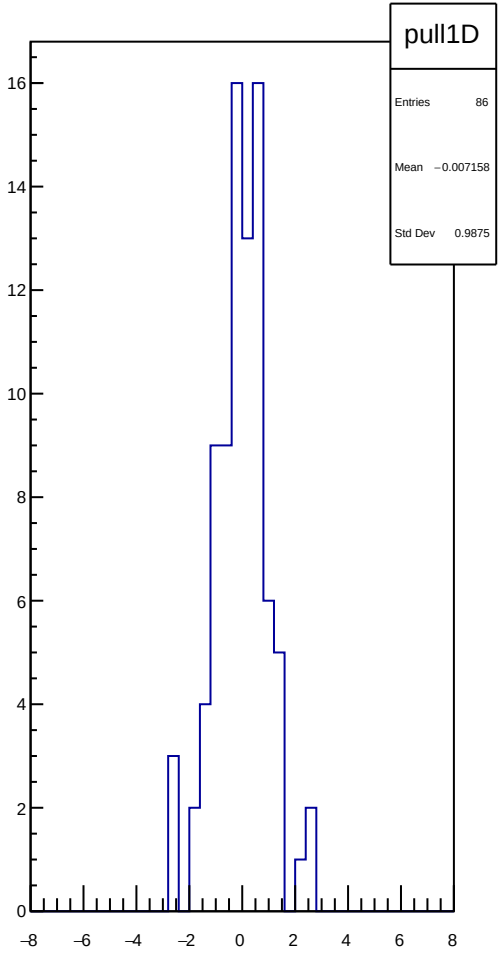

pull1D
Entries 86
Mean −0.007158
Std Dev 0.9875

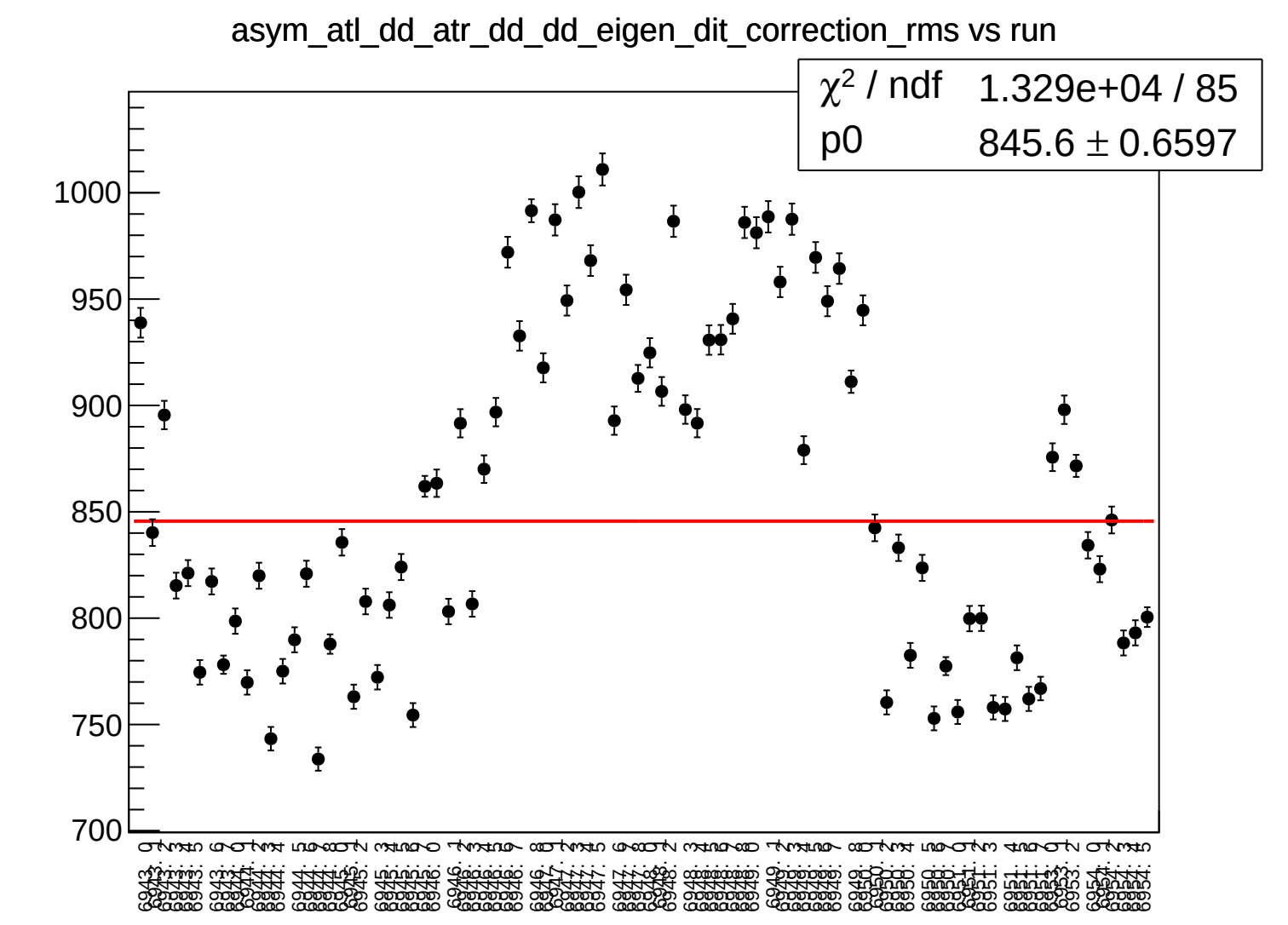

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 845.6 ± 0.6597
1000
950
900
850
800
750
700

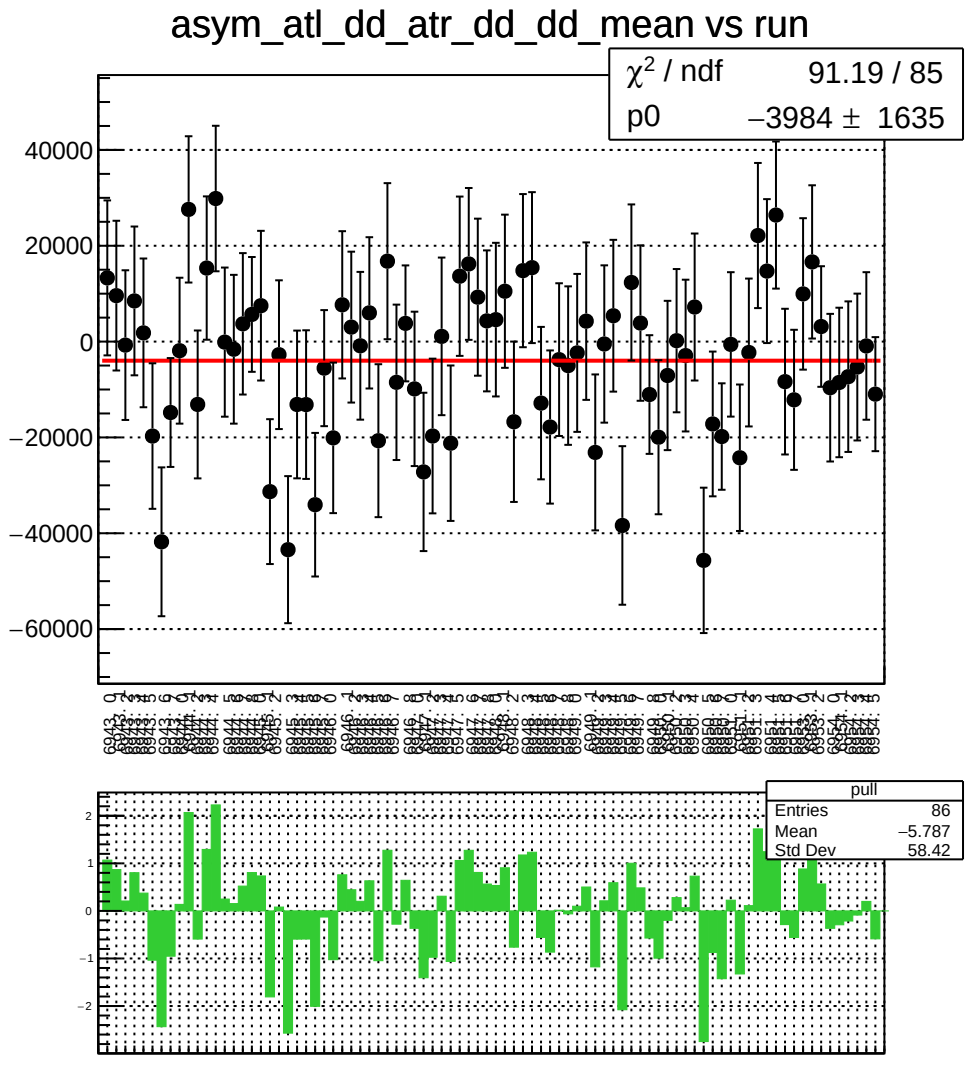

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.51 / 85
p0 −828.5 ± 1367
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −209.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.004542
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

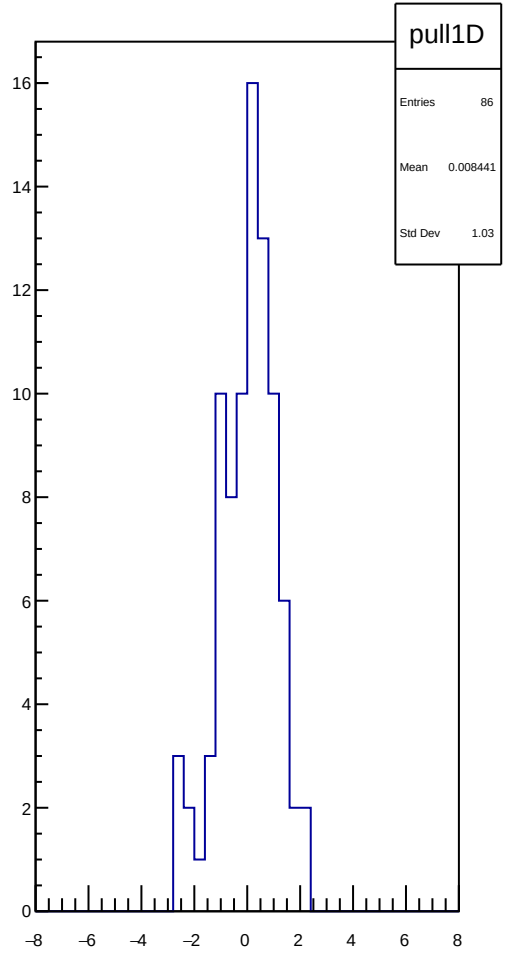

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 84.04 / 85
p0 1244 ± 0.9665
1280
1270
1260
1250
1240
1230
1220
1210

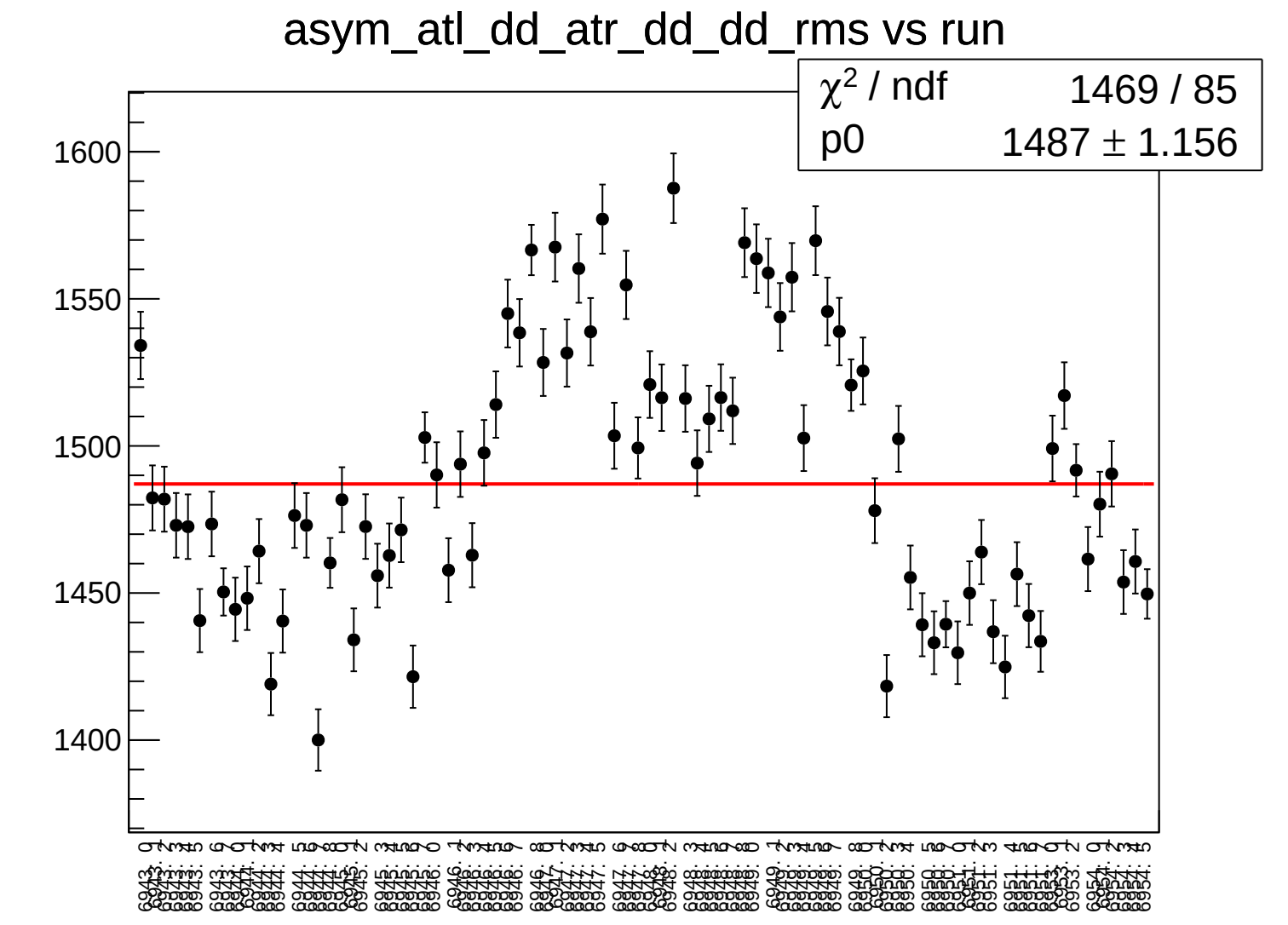

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.86 / 85
p0 3147 ± 933
pull
Entries 86
Mean 180.1
Std Dev 0

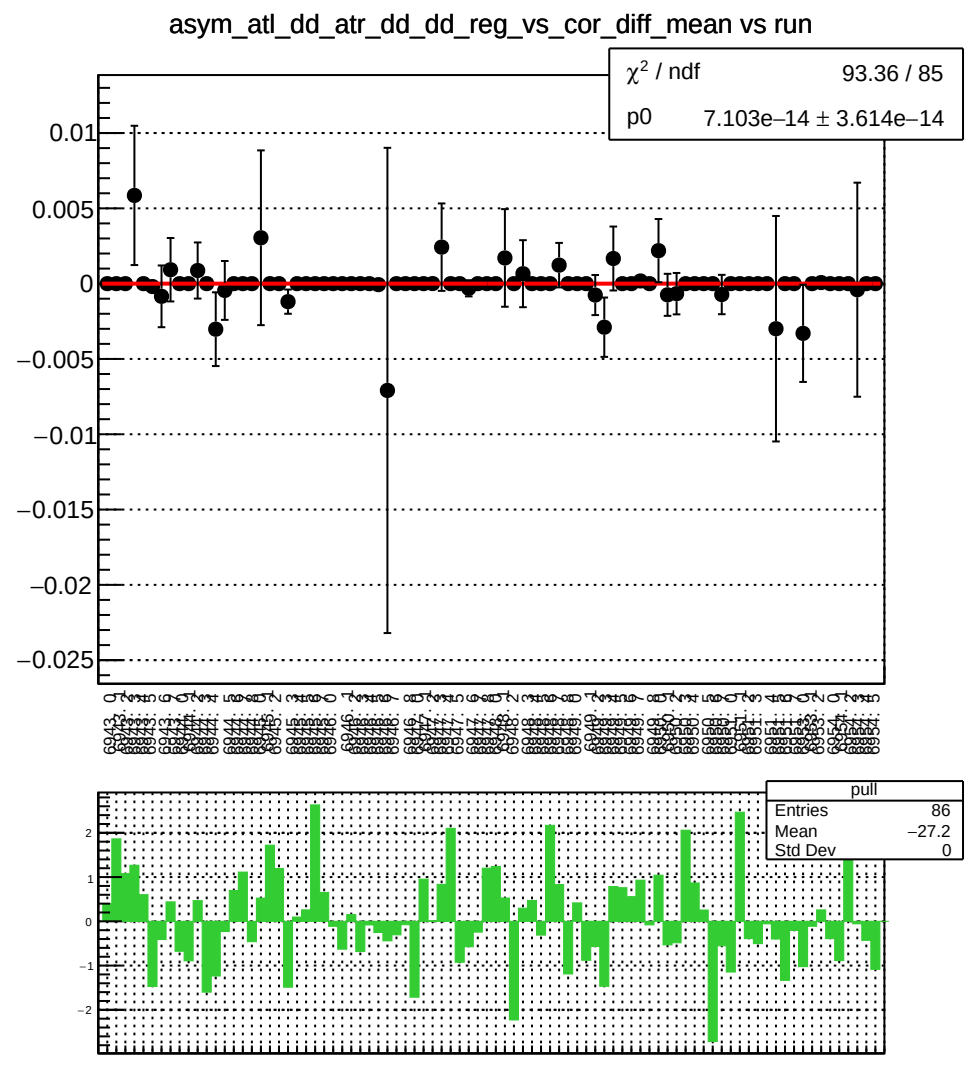

pull1D
Entries 86
Mean −0.007158
Std Dev 0.9875

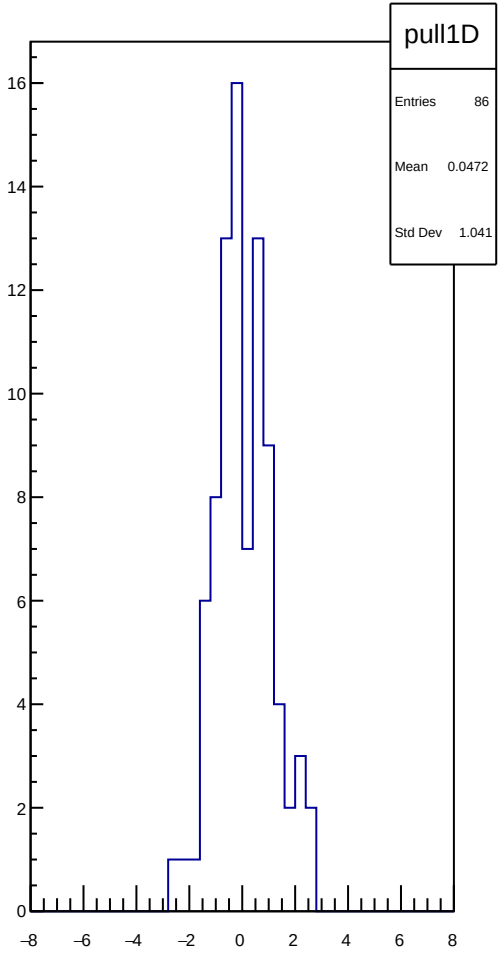

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 845.6 ± 0.6597
1000
950
900
850
800
750
700

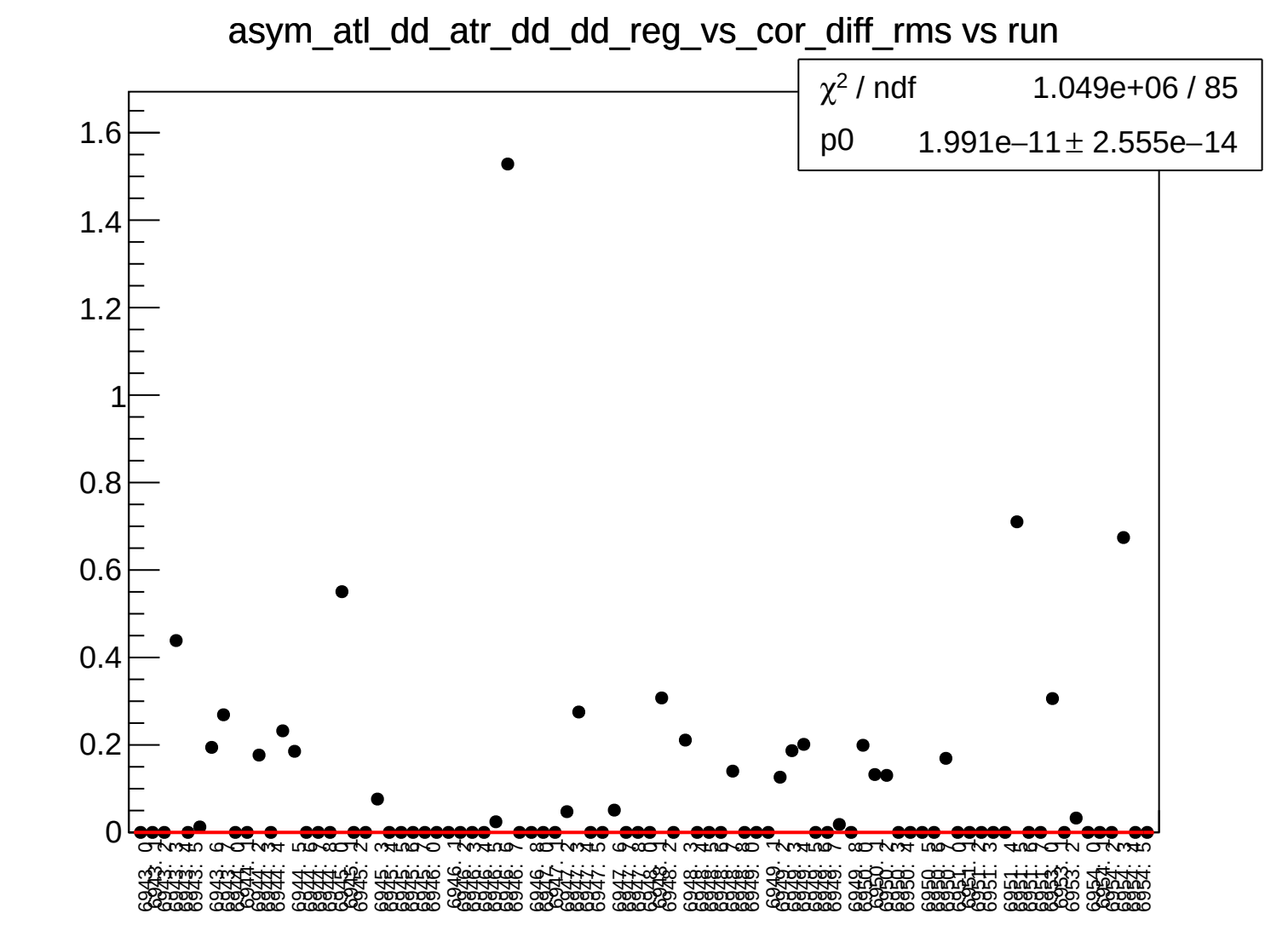

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.19 / 85
p0 −3984 ± 1635
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −5.787
Std Dev 58.42
2
1
0
−1
−2

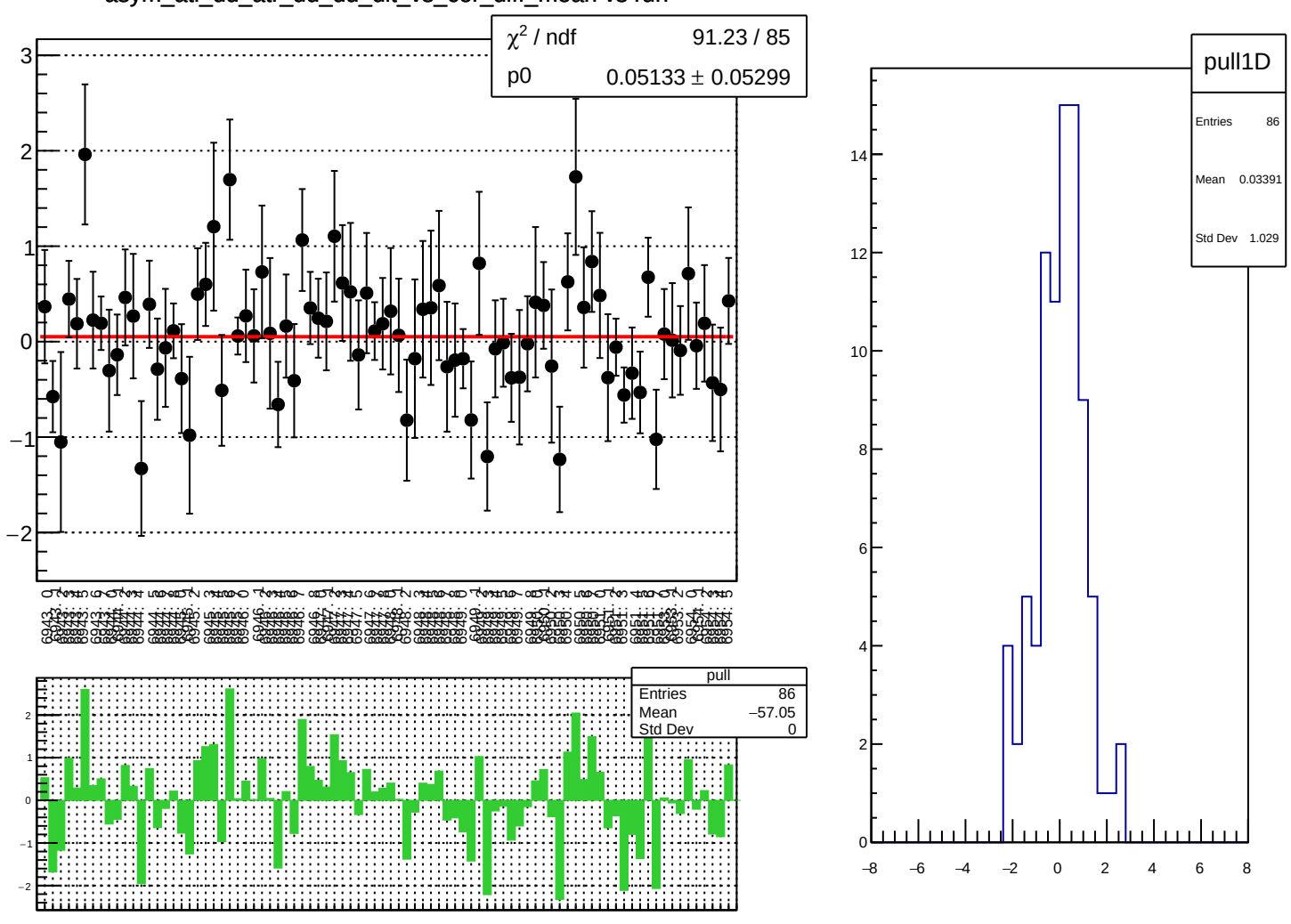

pull1D
Entries 86
Mean 0.008441
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

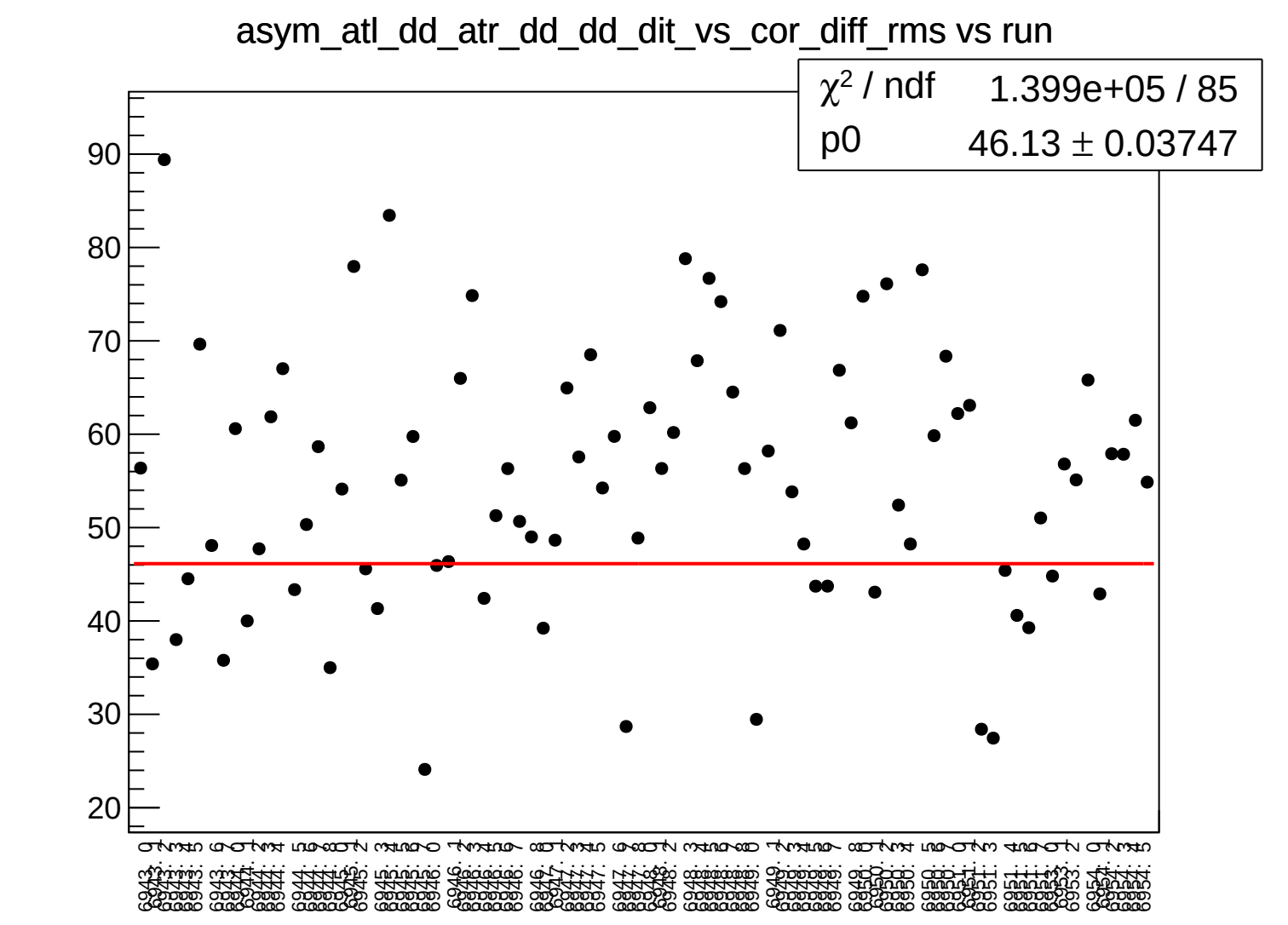

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1469 / 85
p0 1487 ± 1.156
1600
1550
1500
1450
1400

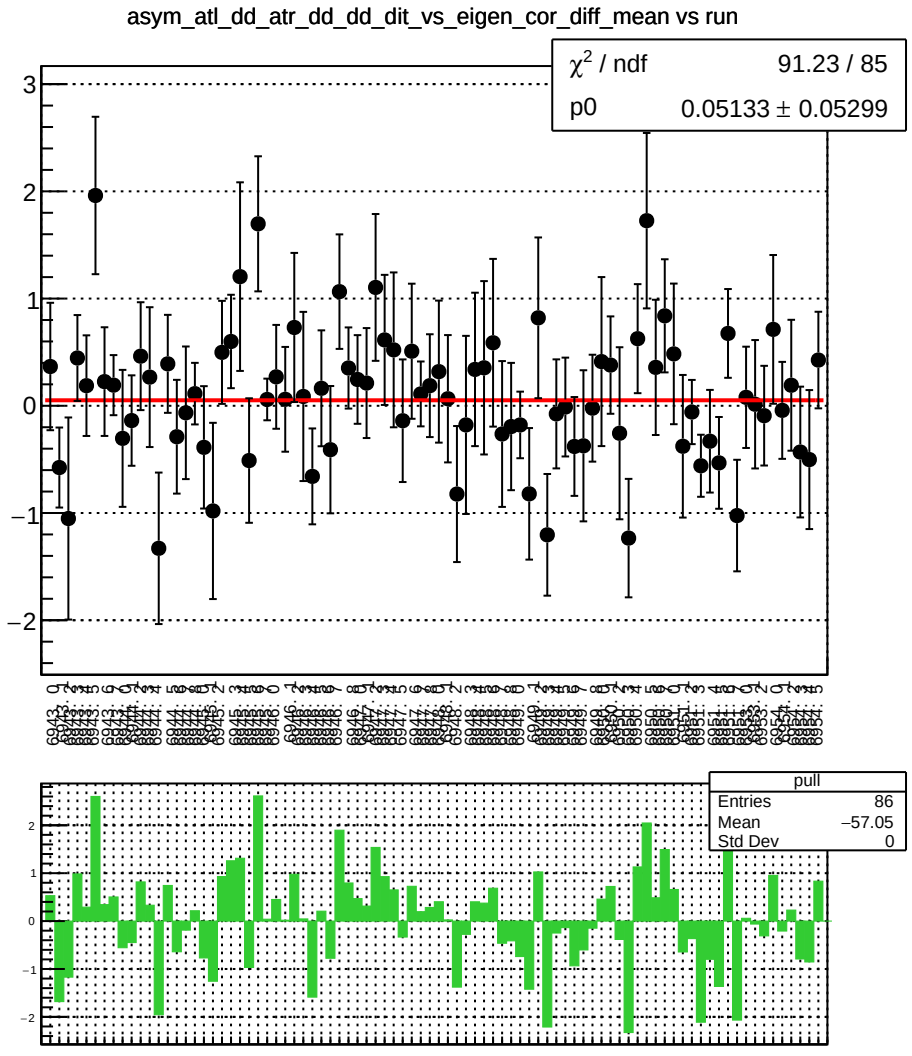

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.36 / 85
p0 7.103e−14 ± 3.614e−14
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 86
Mean −27.2
Std Dev 0
2
1
0
−1
−2

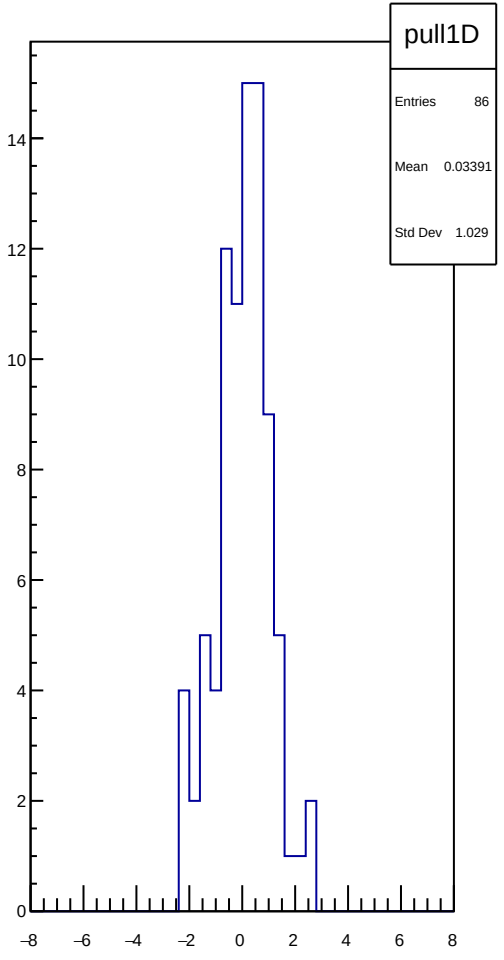

pull1D
Entries 86
Mean 0.0472
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

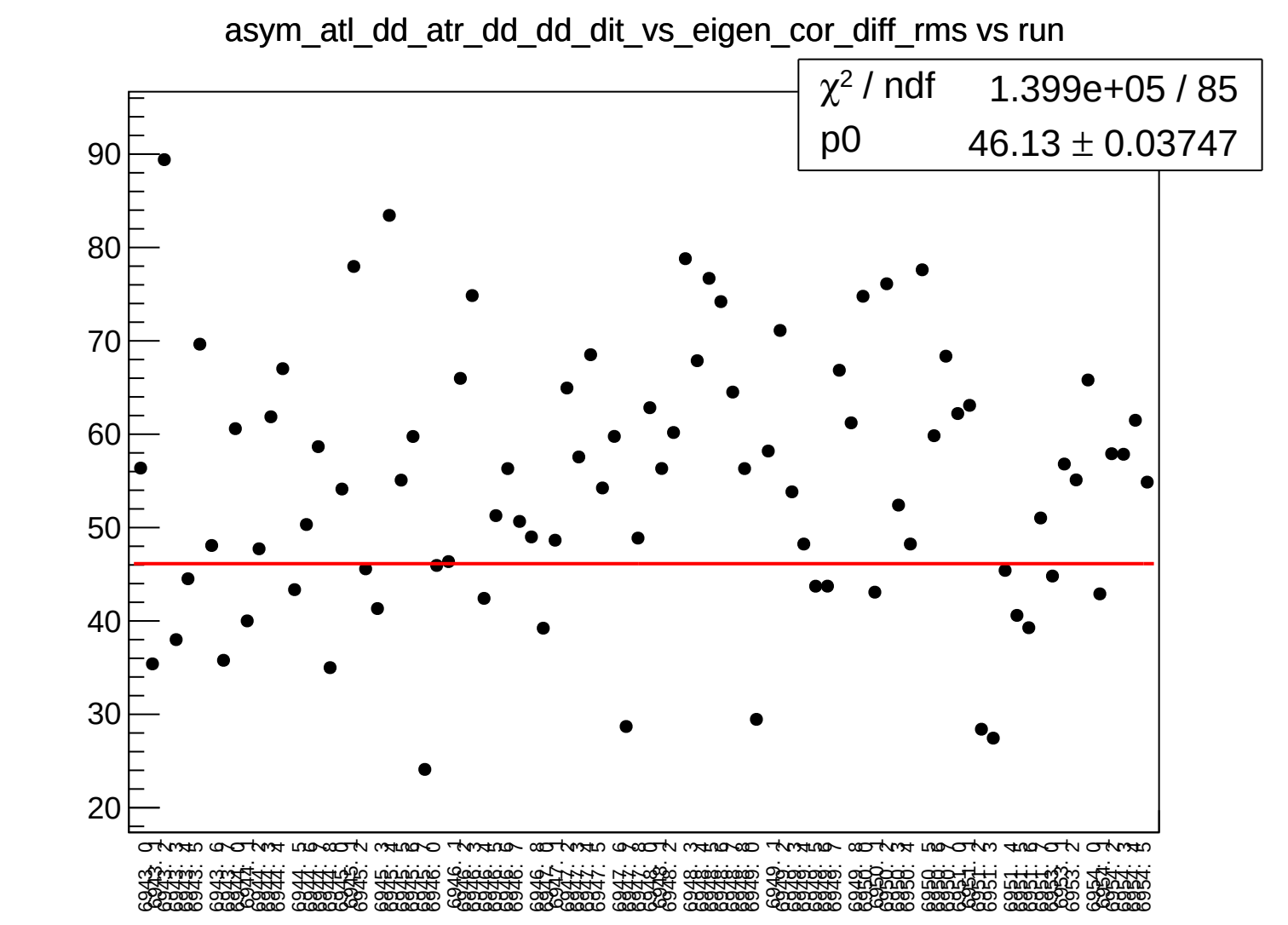

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.049e+06 / 85
p0 1.991e−11 ± 2.555e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

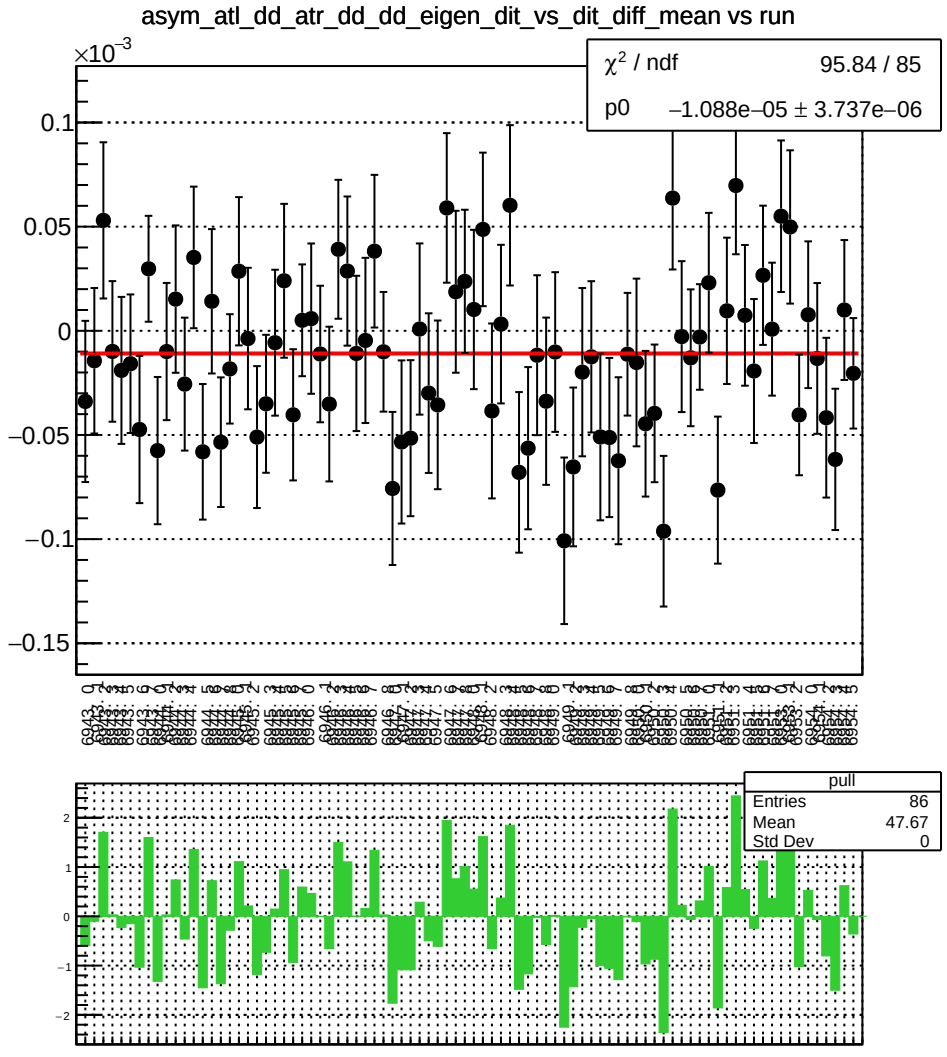

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05133 ± 0.05299
pull
Entries 86
Mean −57.05
Std Dev 0
pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

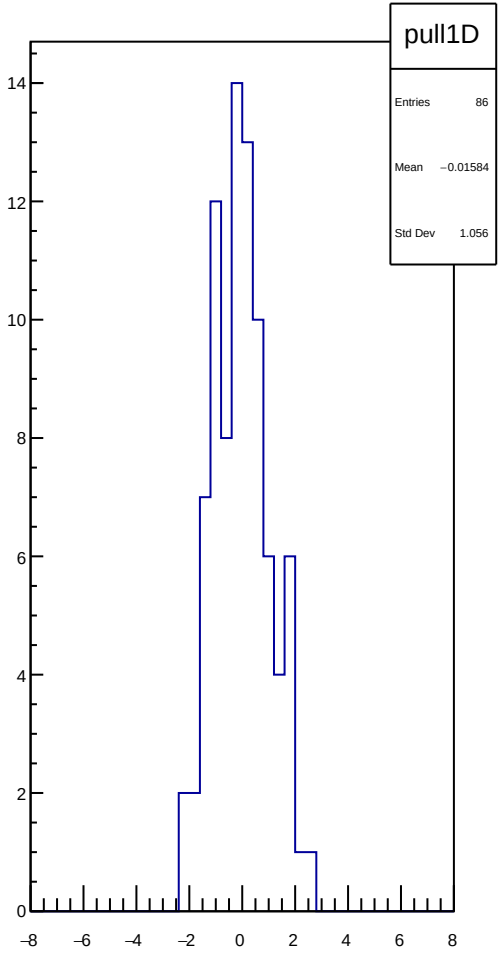

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

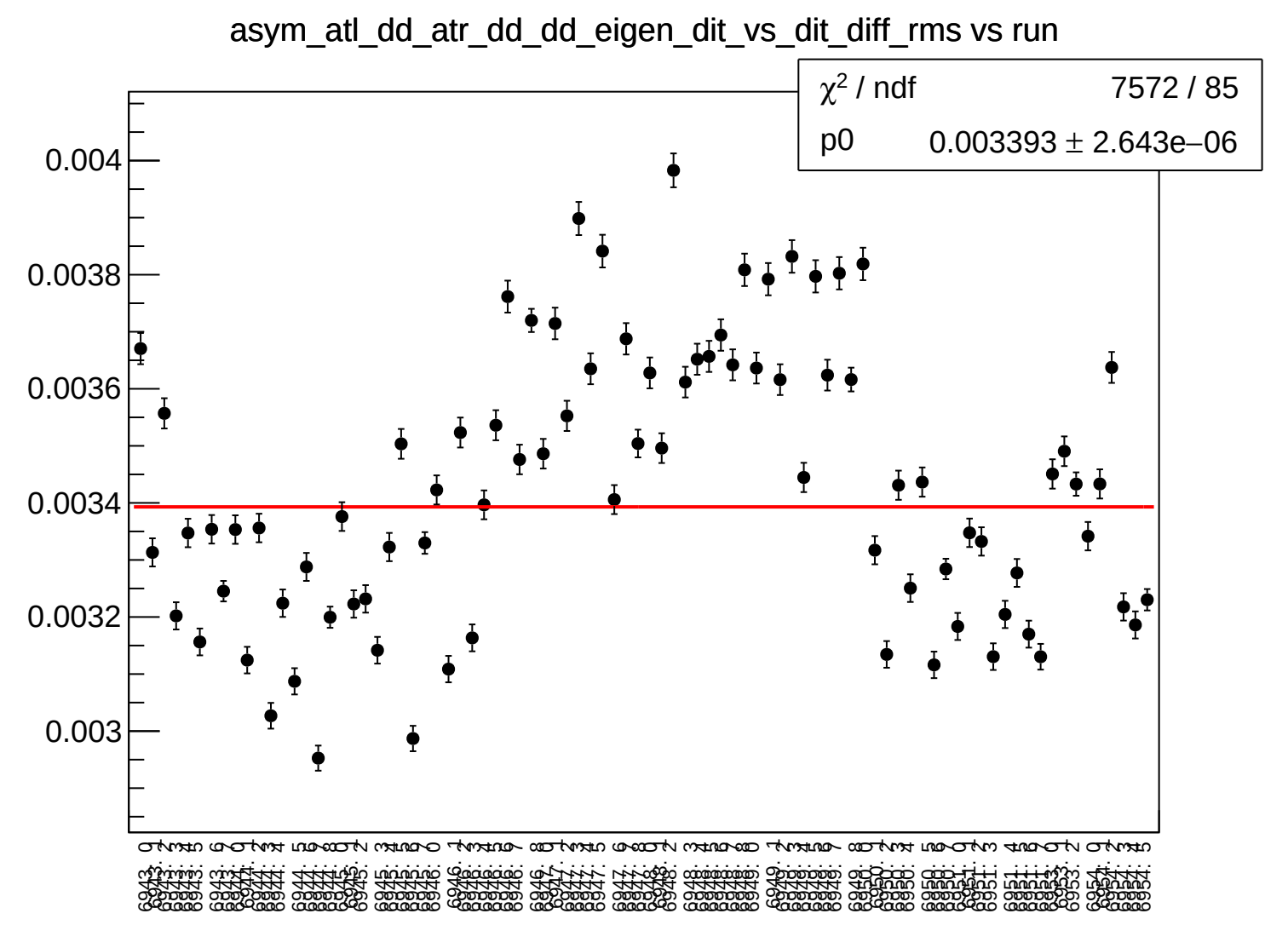

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05133 ± 0.05299
pull
Entries 86
Mean −57.05
Std Dev 0

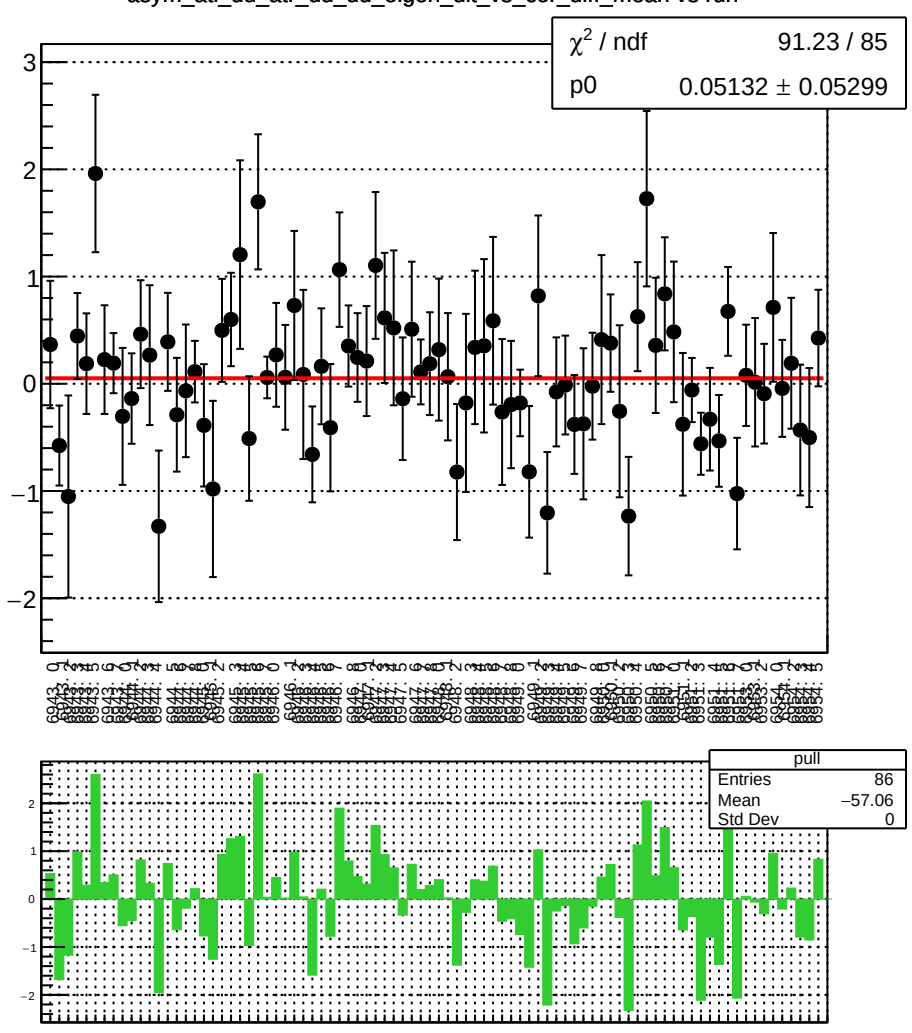

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

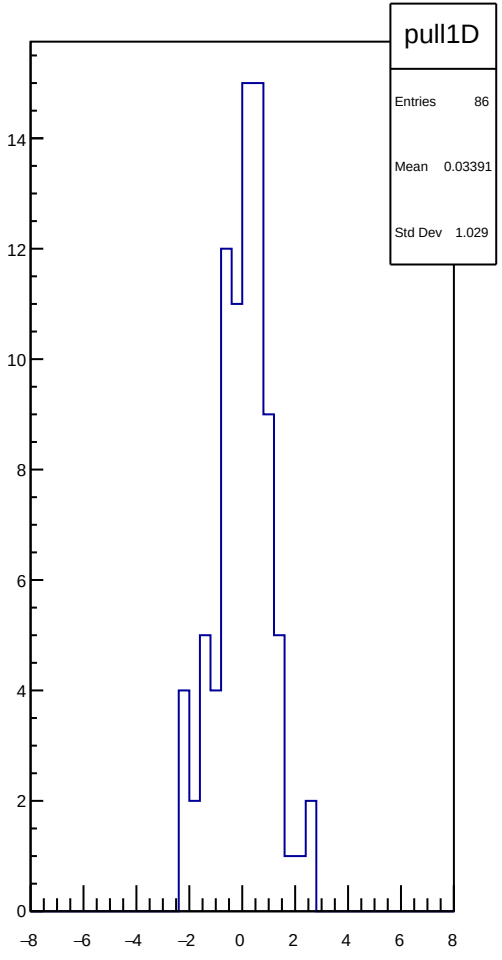

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

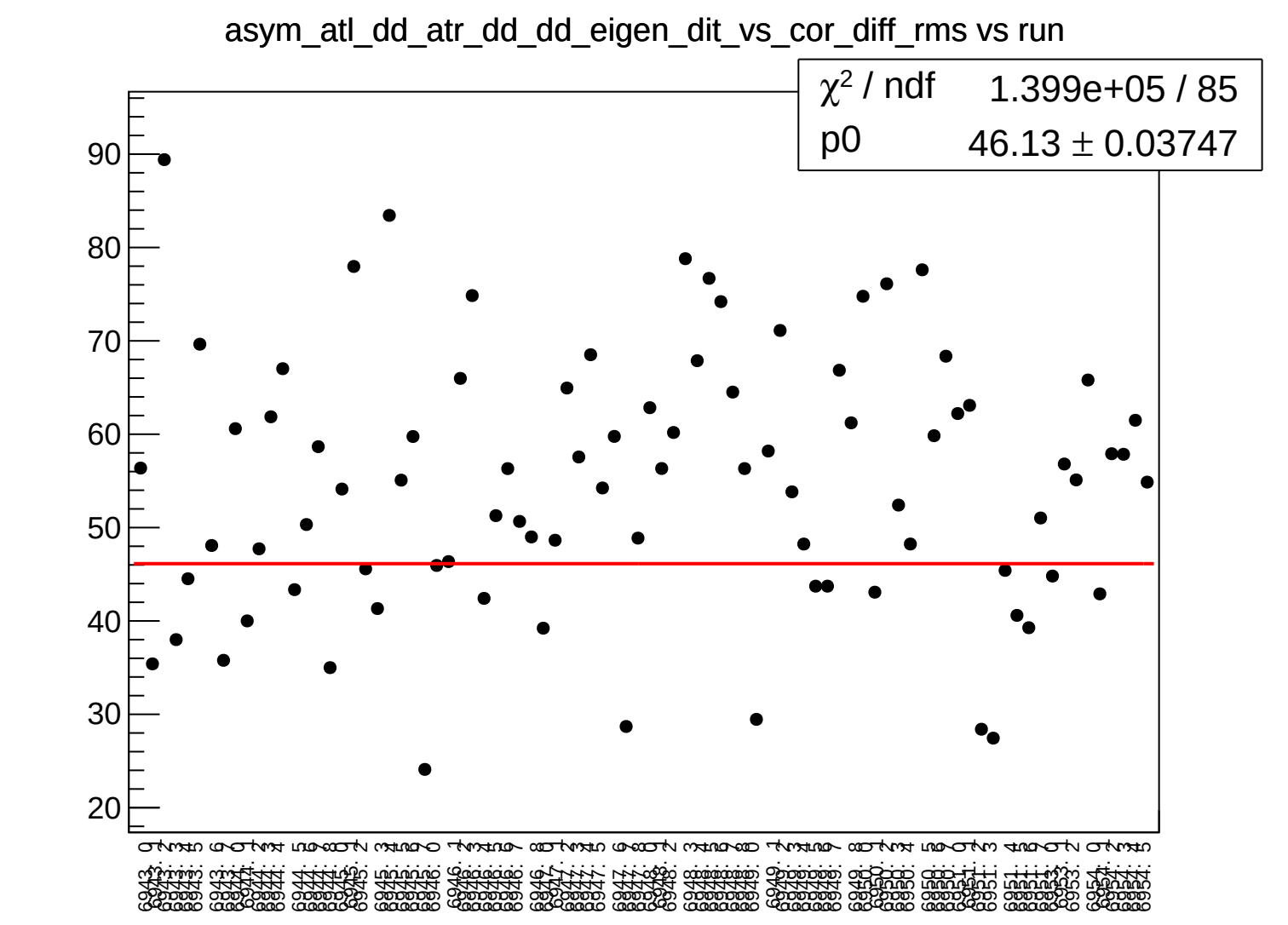

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.84 / 85
p0 −1.088e−05 ± 3.737e−06
pull
Entries 86
Mean 47.67
Std Dev 0

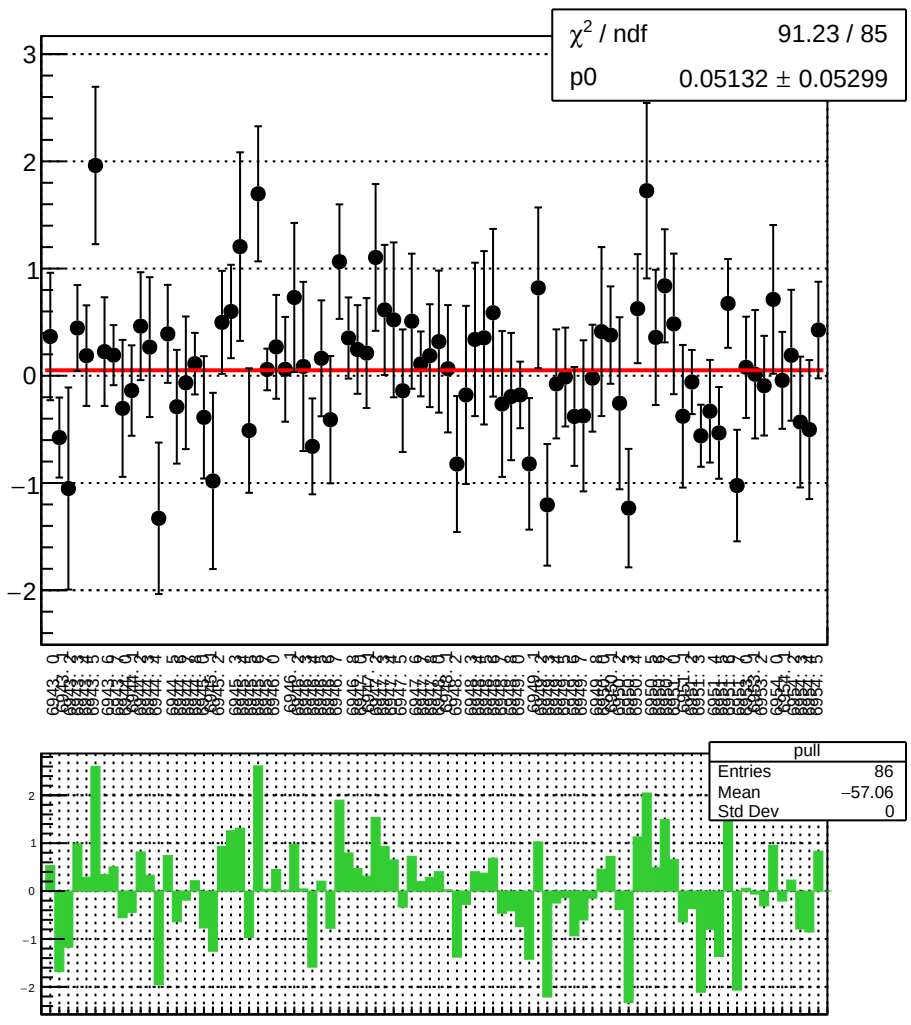

pull1D
Entries 86
Mean −0.01584
Std Dev 1.056

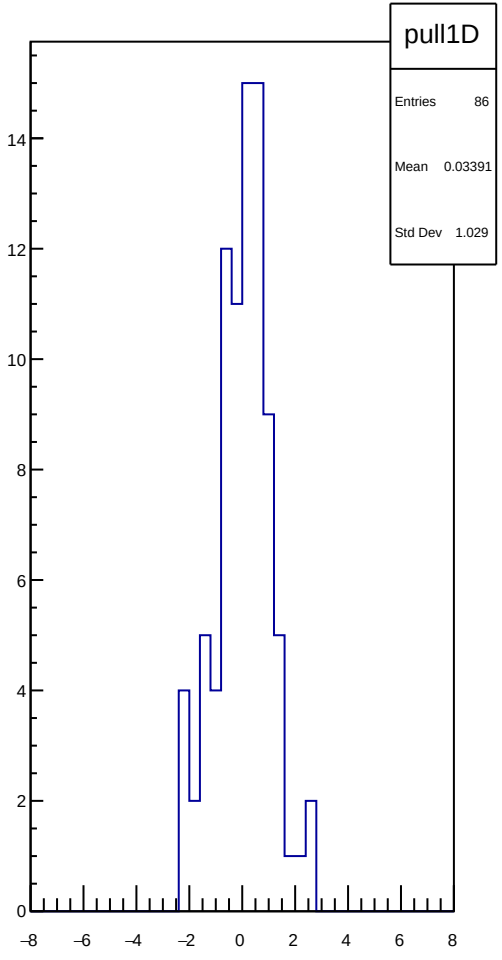

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7572 / 85
p0 0.003393 ± 2.643e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

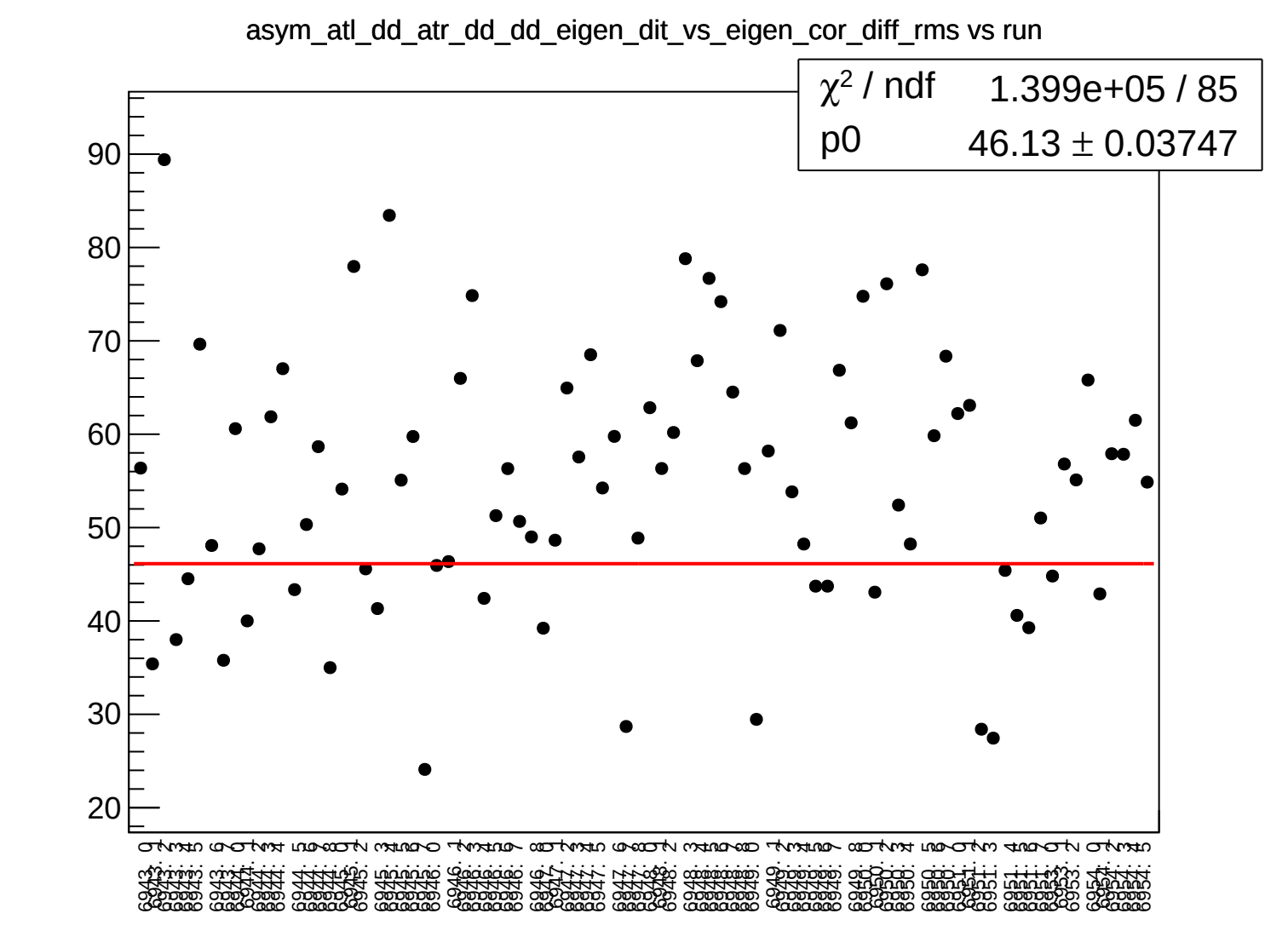

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05132 ± 0.05299
pull
Entries 86
Mean −57.06
Std Dev 0

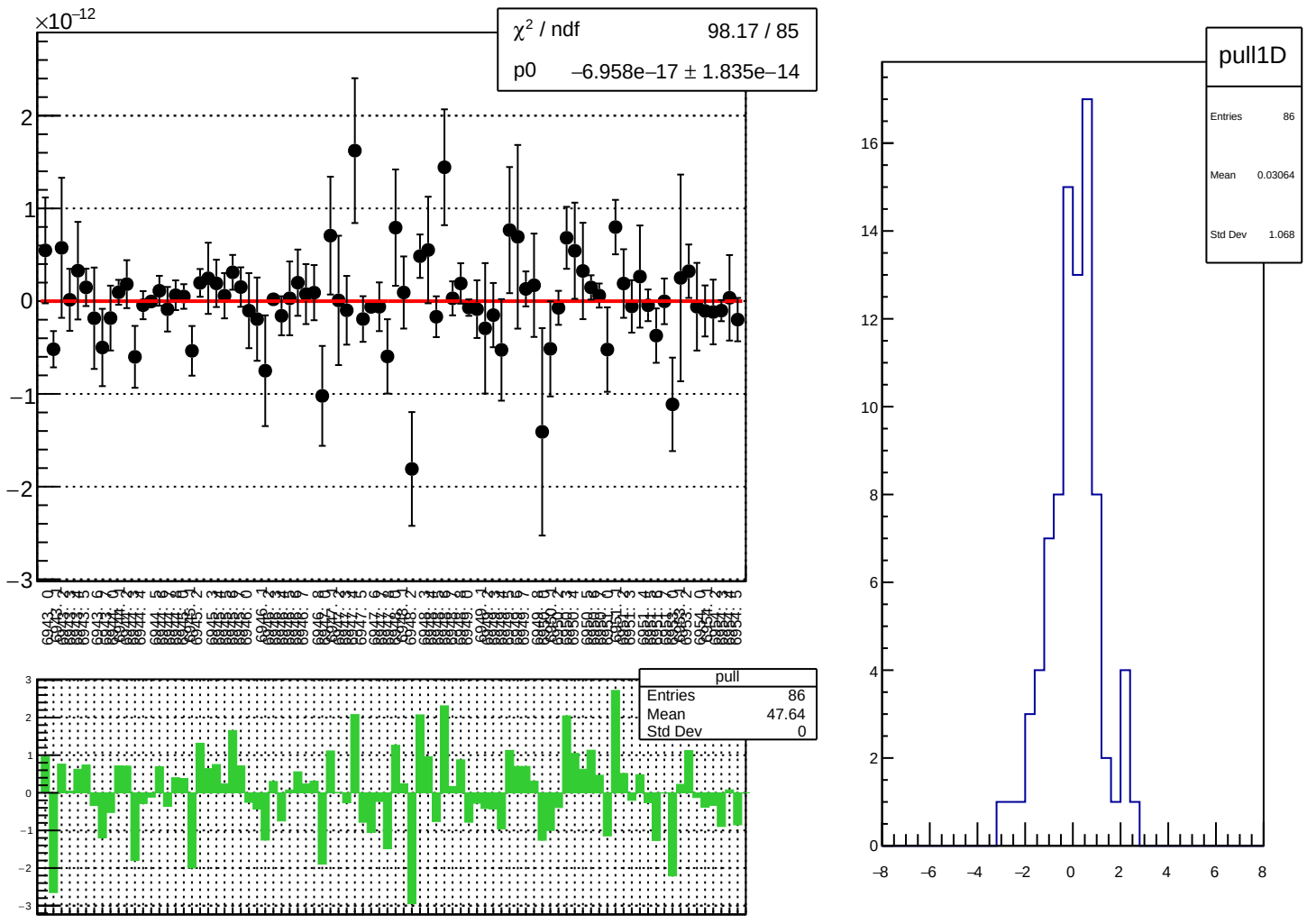

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

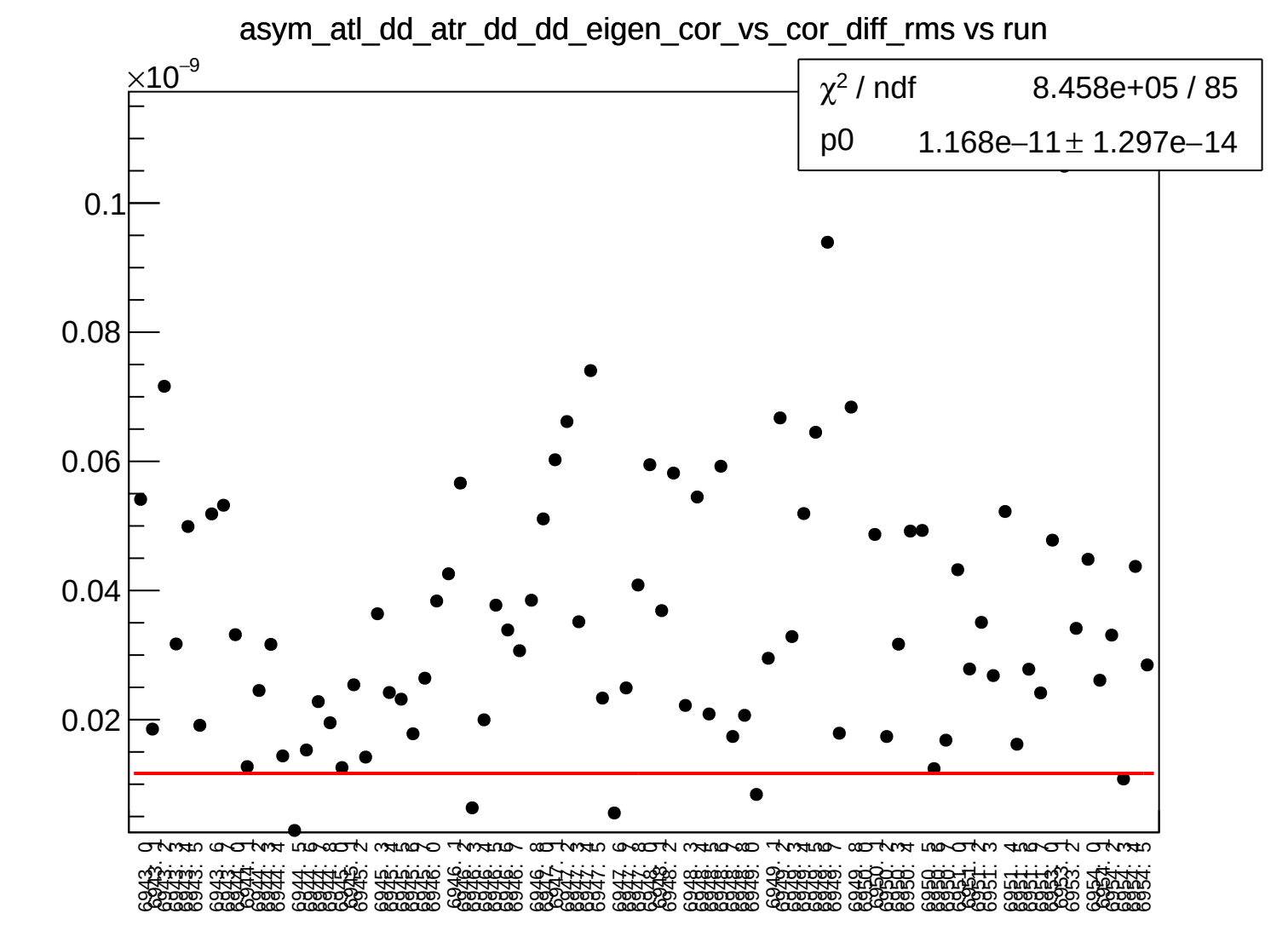

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

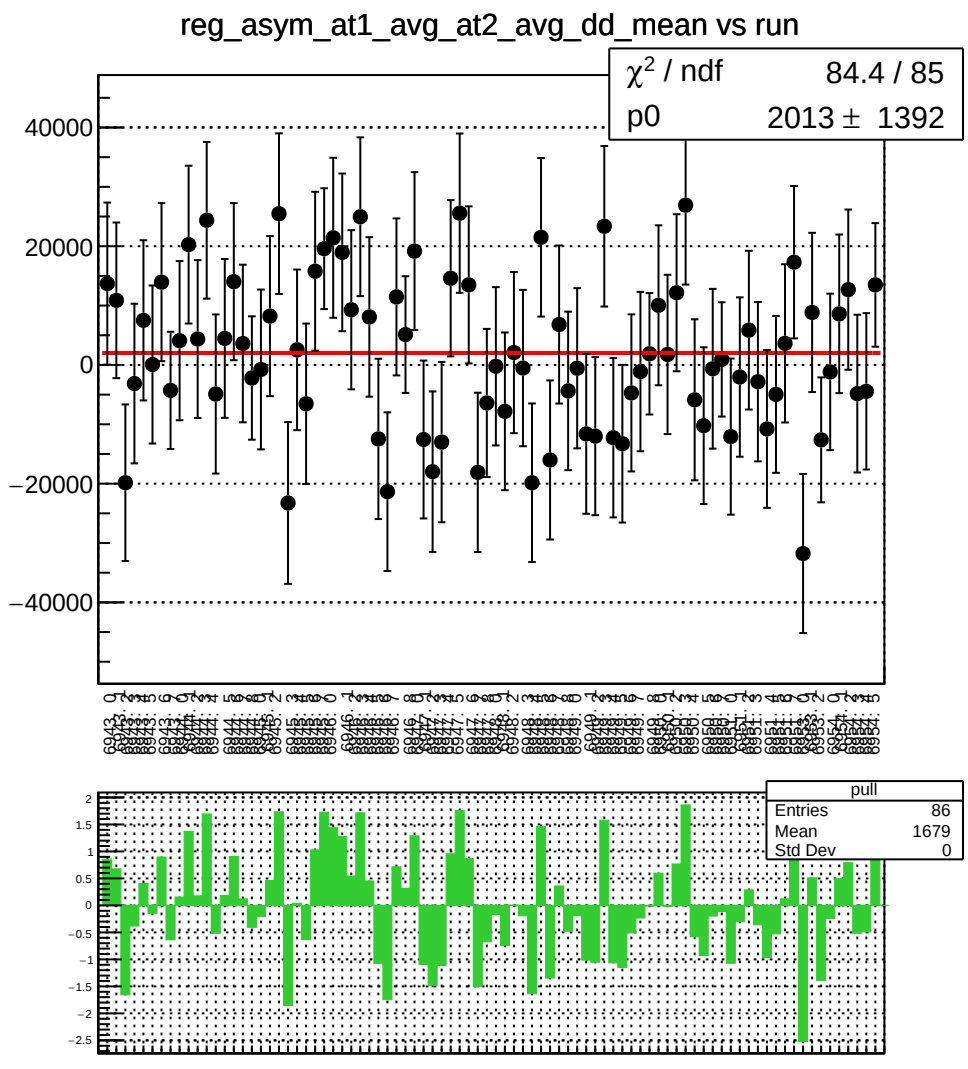

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05132 ± 0.05299
pull
Entries 86
Mean −57.06
Std Dev 0

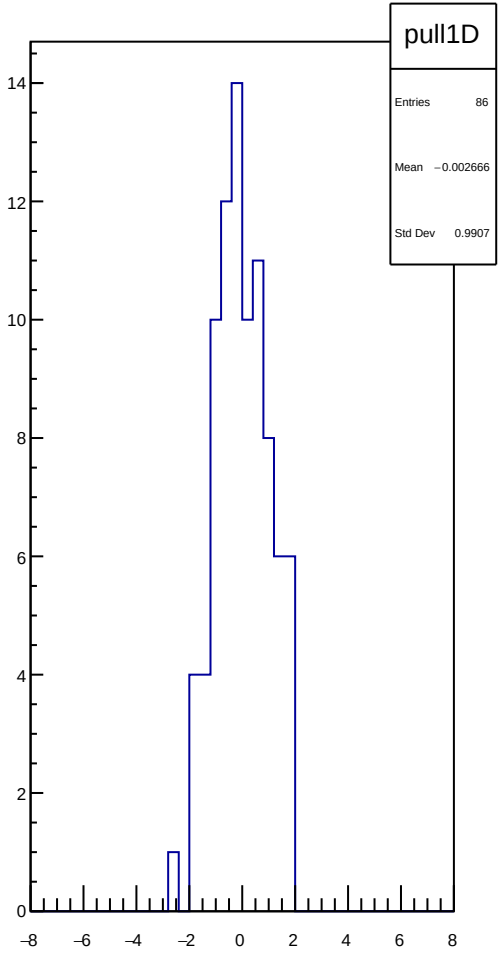

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

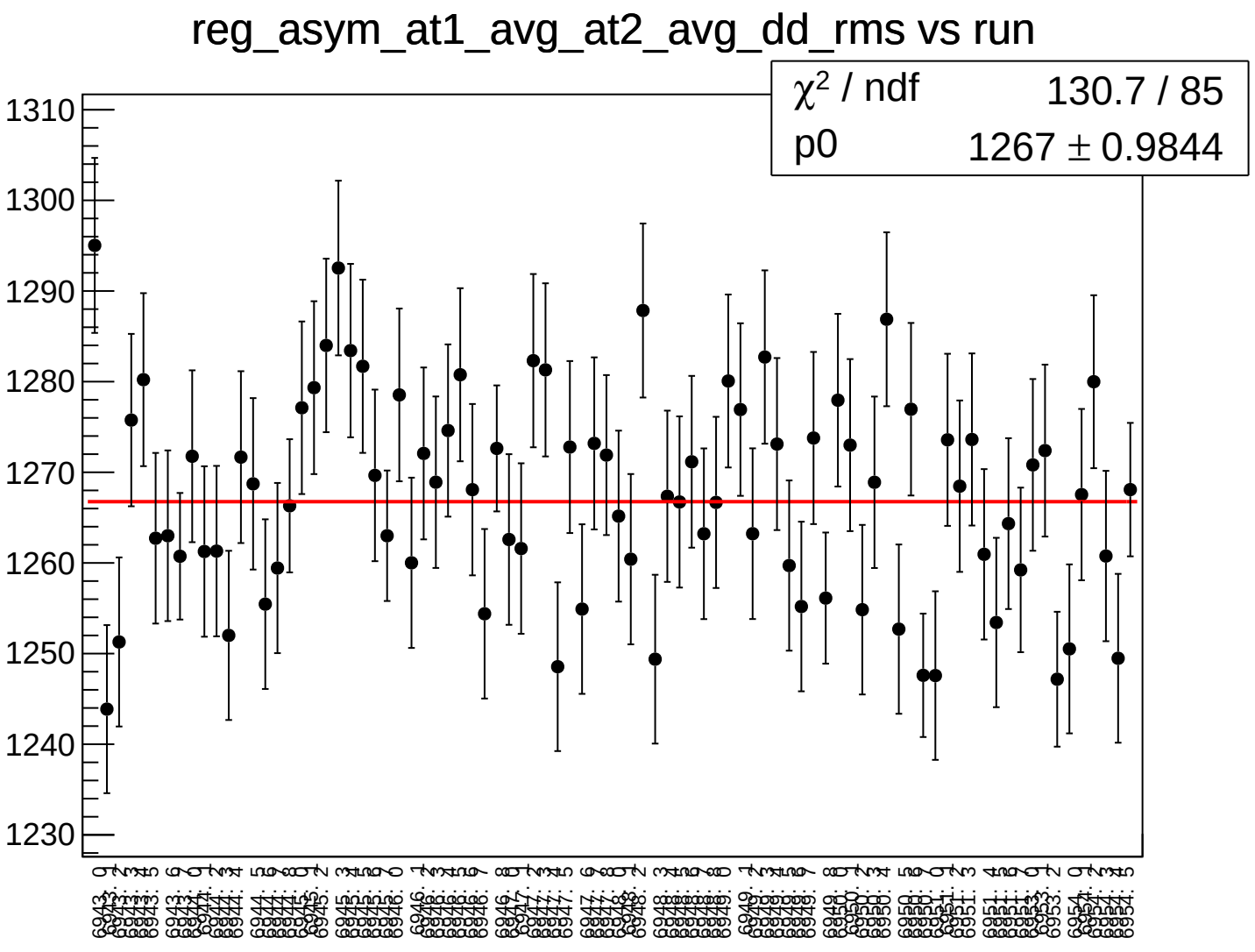

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

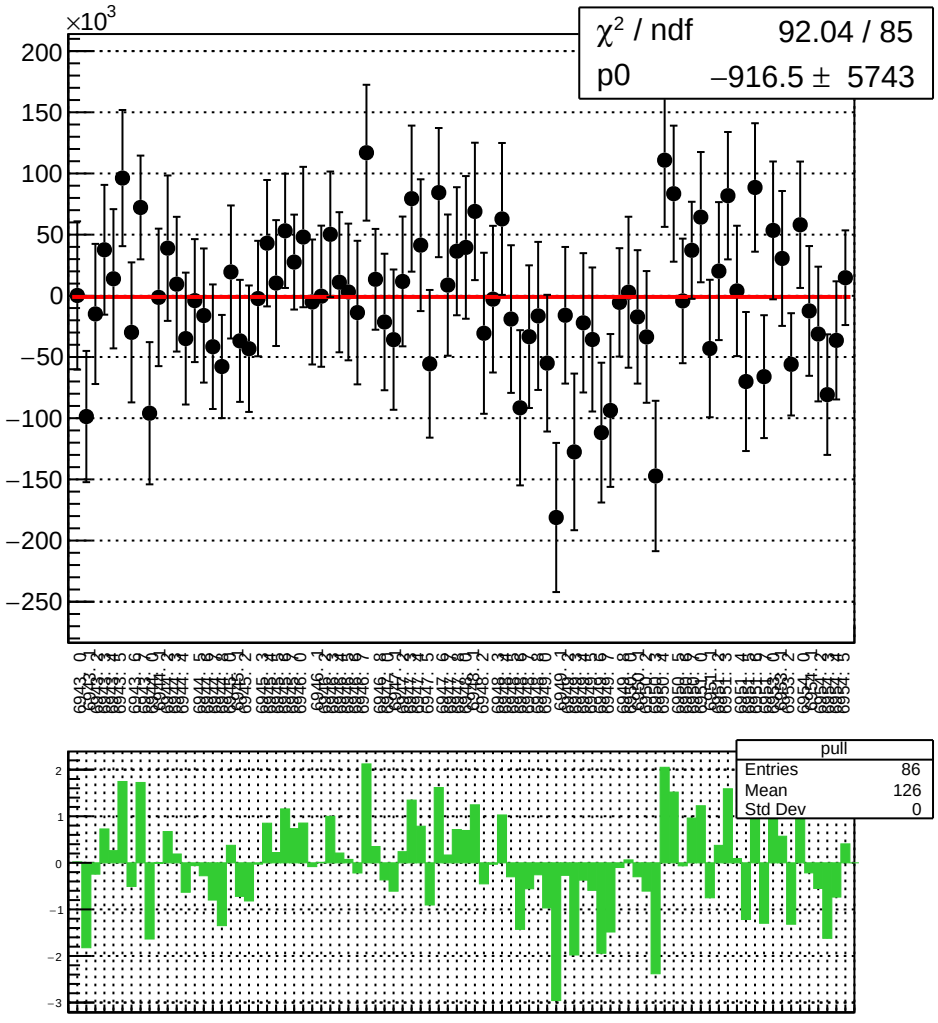

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.17 / 85
p0 −6.958e−17 ± 1.835e−14
pull
Entries 86
Mean 47.64
Std Dev 0
pull1D
Entries 86
Mean 0.03064
Std Dev 1.068

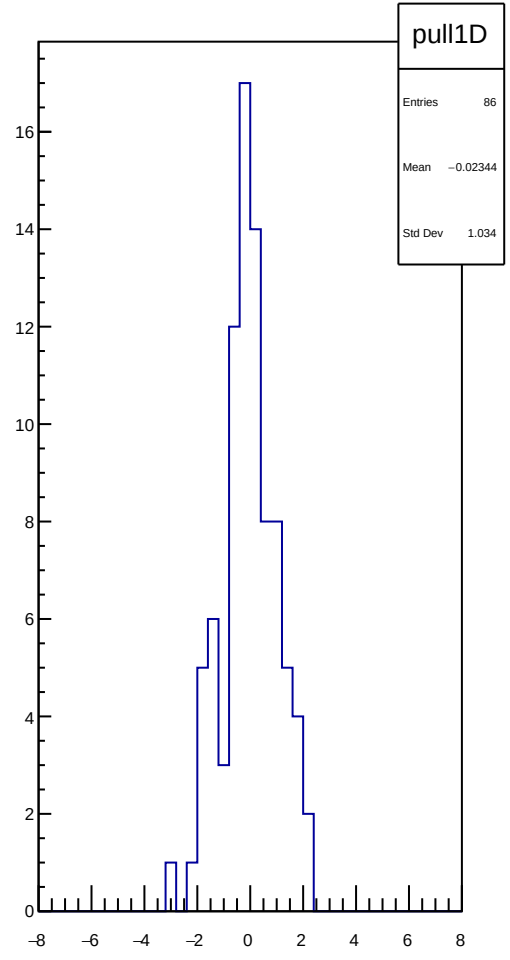

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.458e+05 / 85
p0 1.168e−11 ± 1.297e−14
0.1
0.08
0.06
0.04
0.02

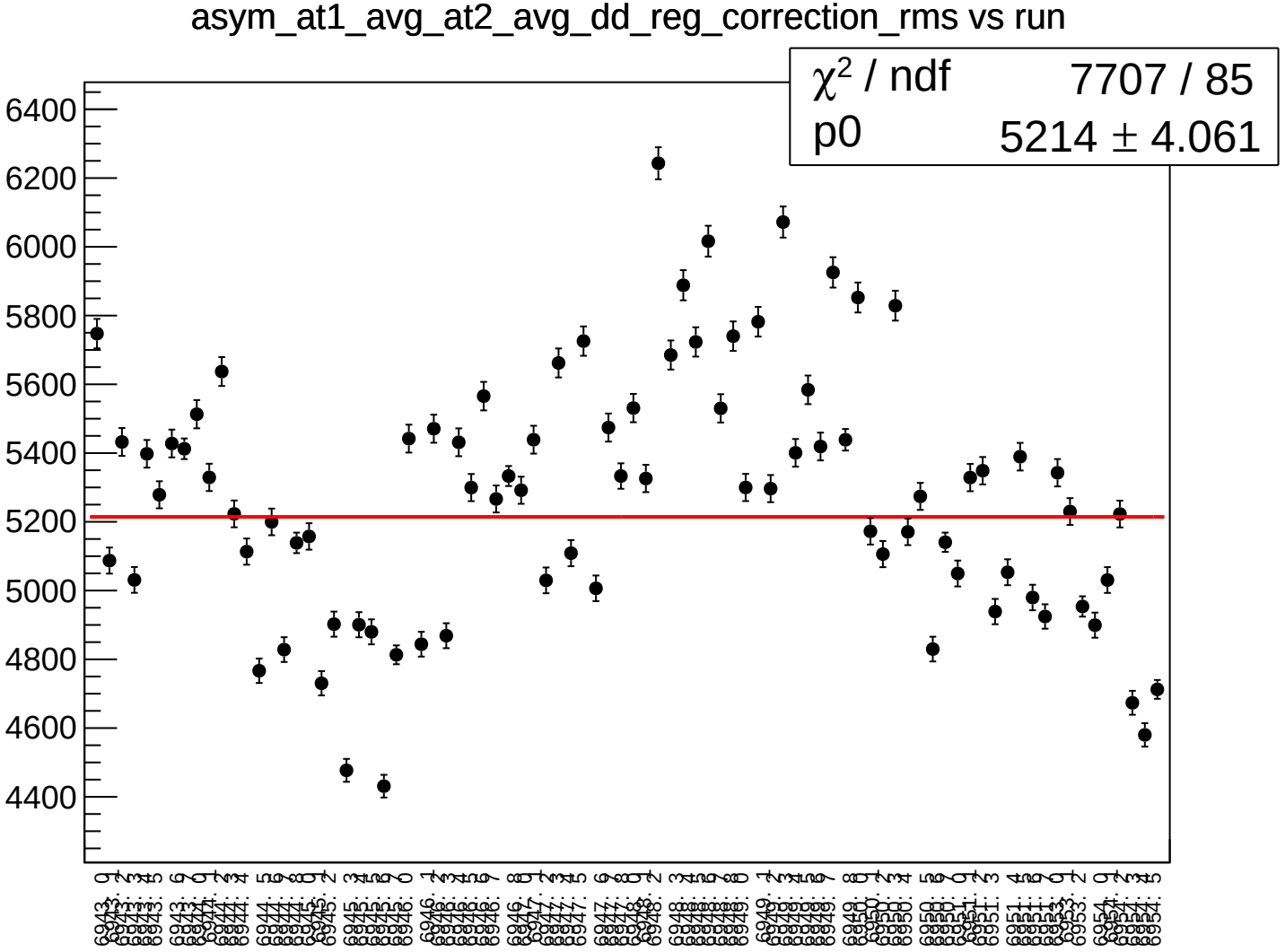

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

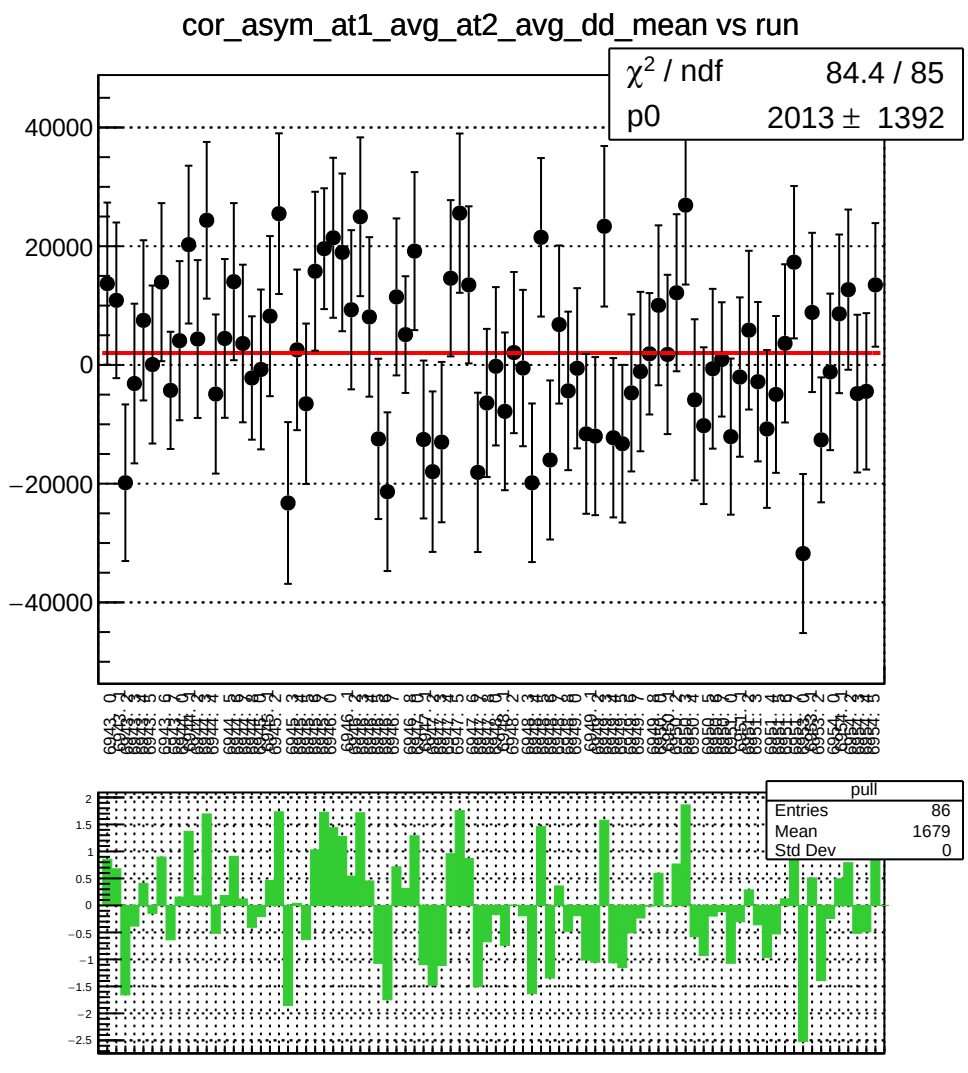

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

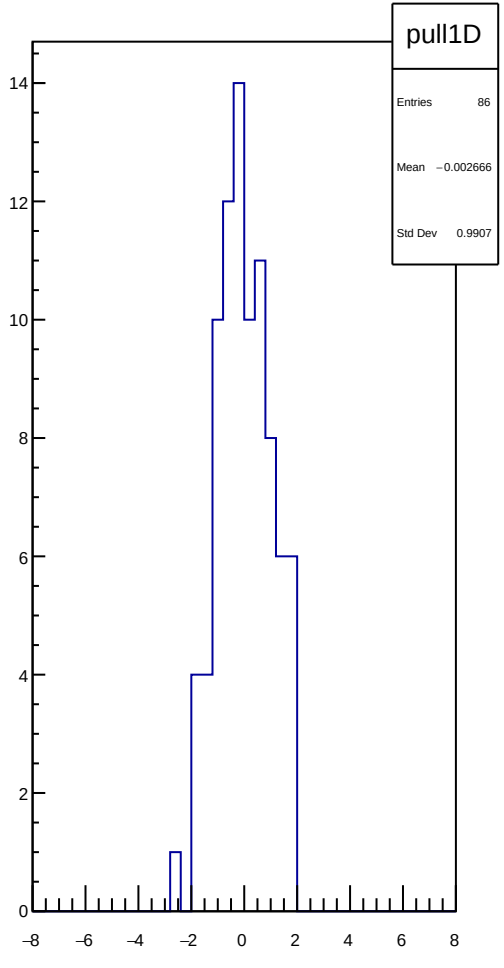

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

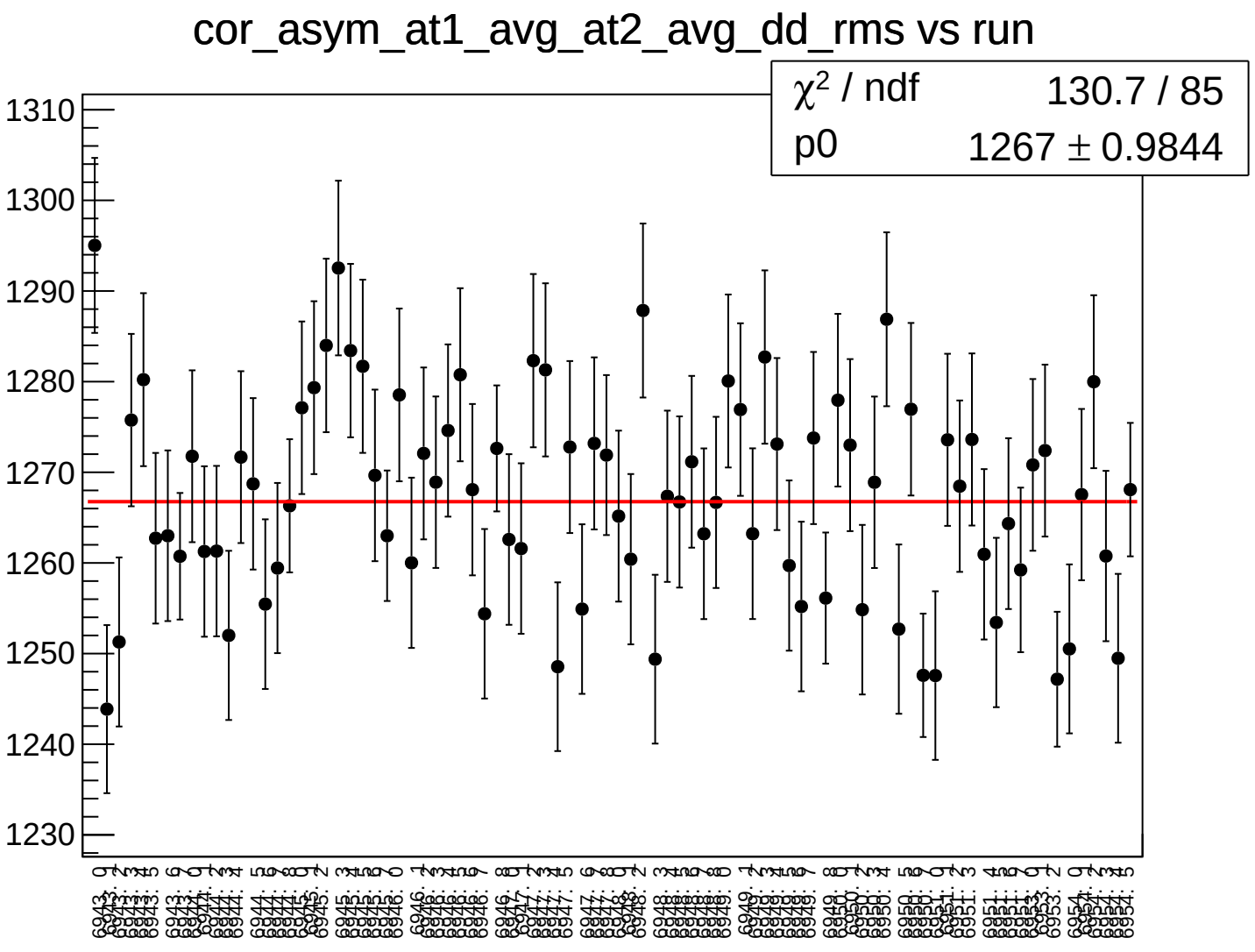

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.5 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

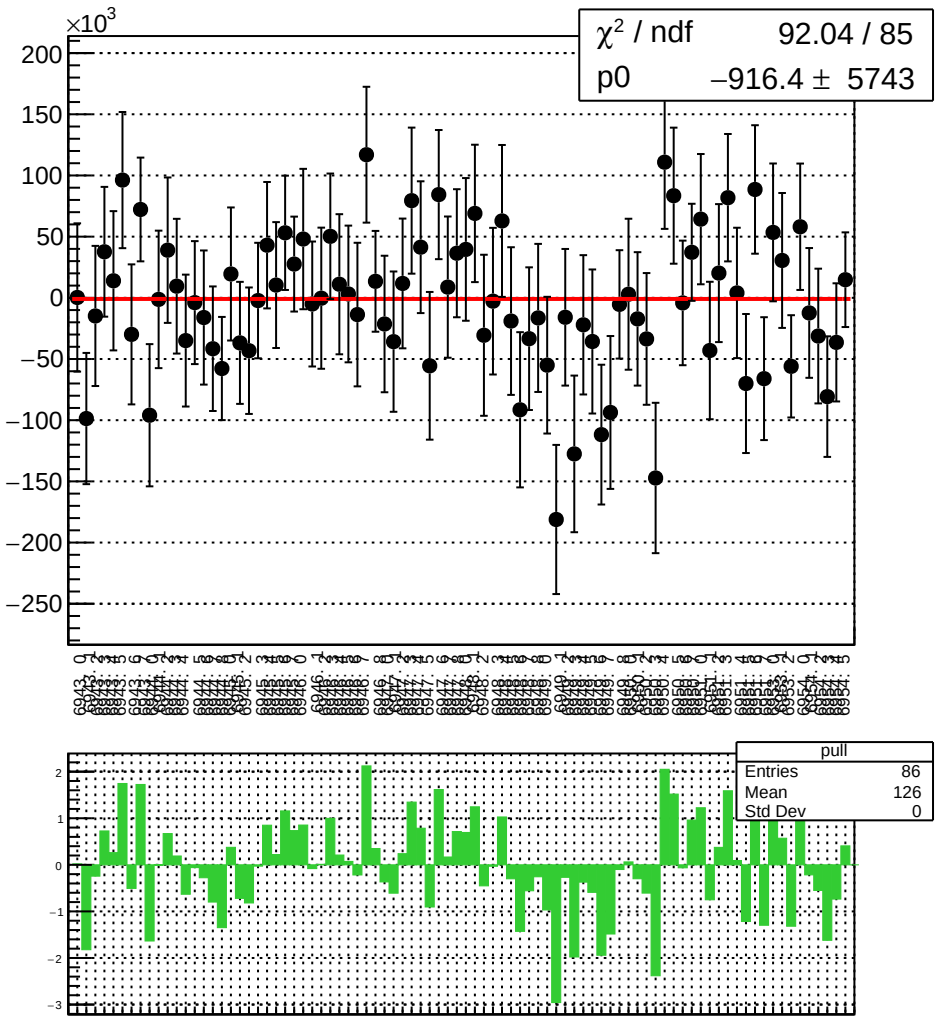

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

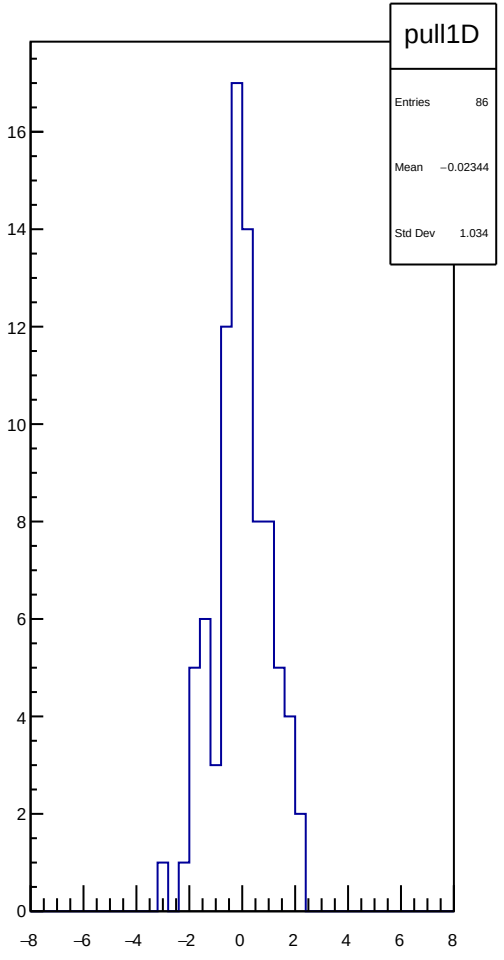

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 7707 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

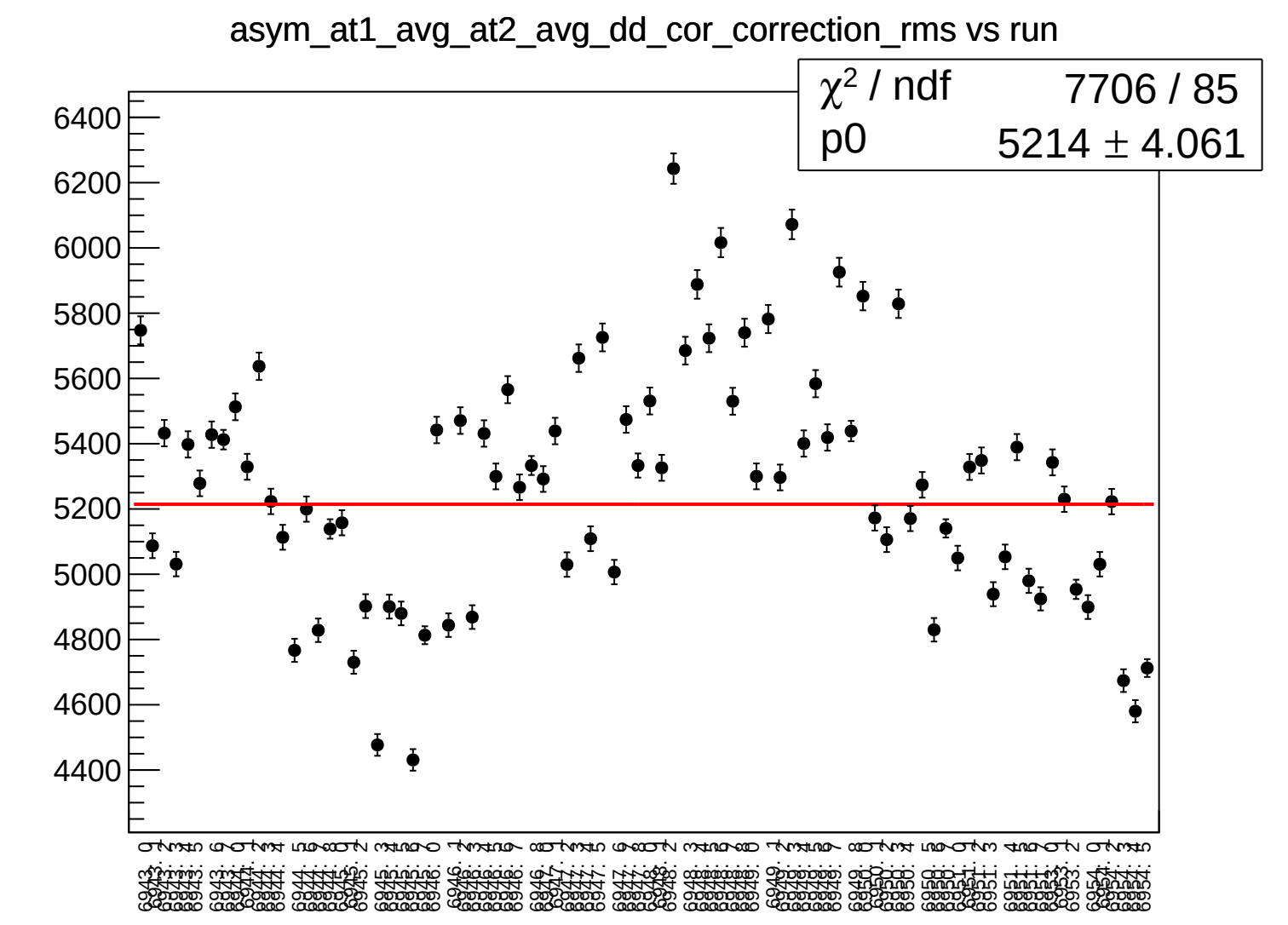

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

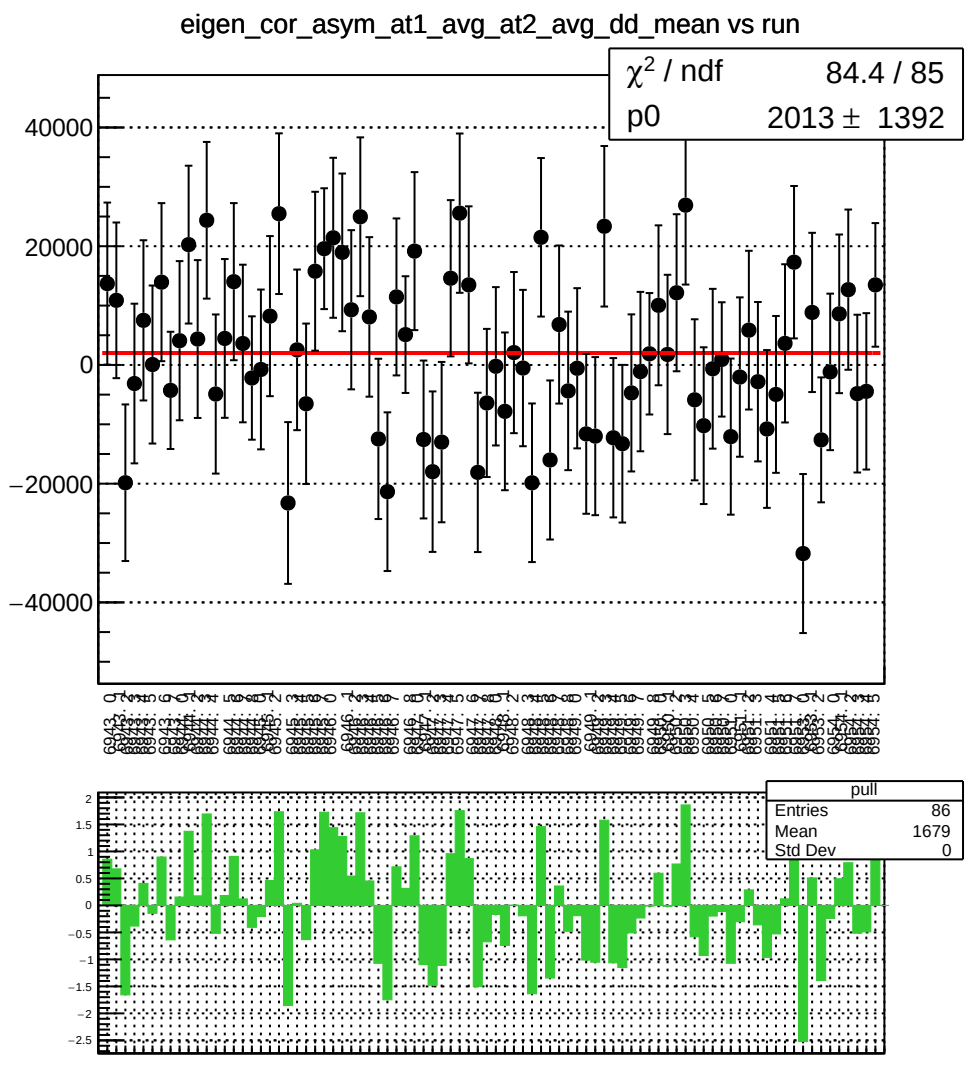

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

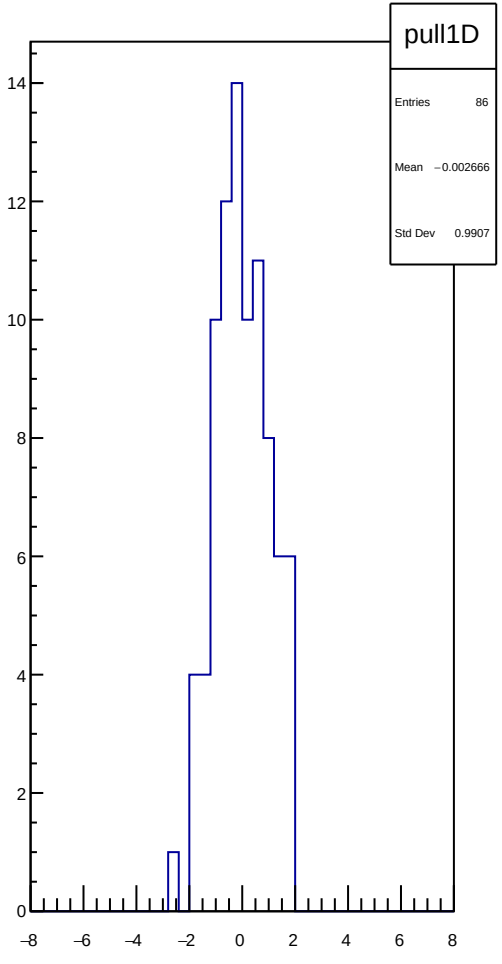

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

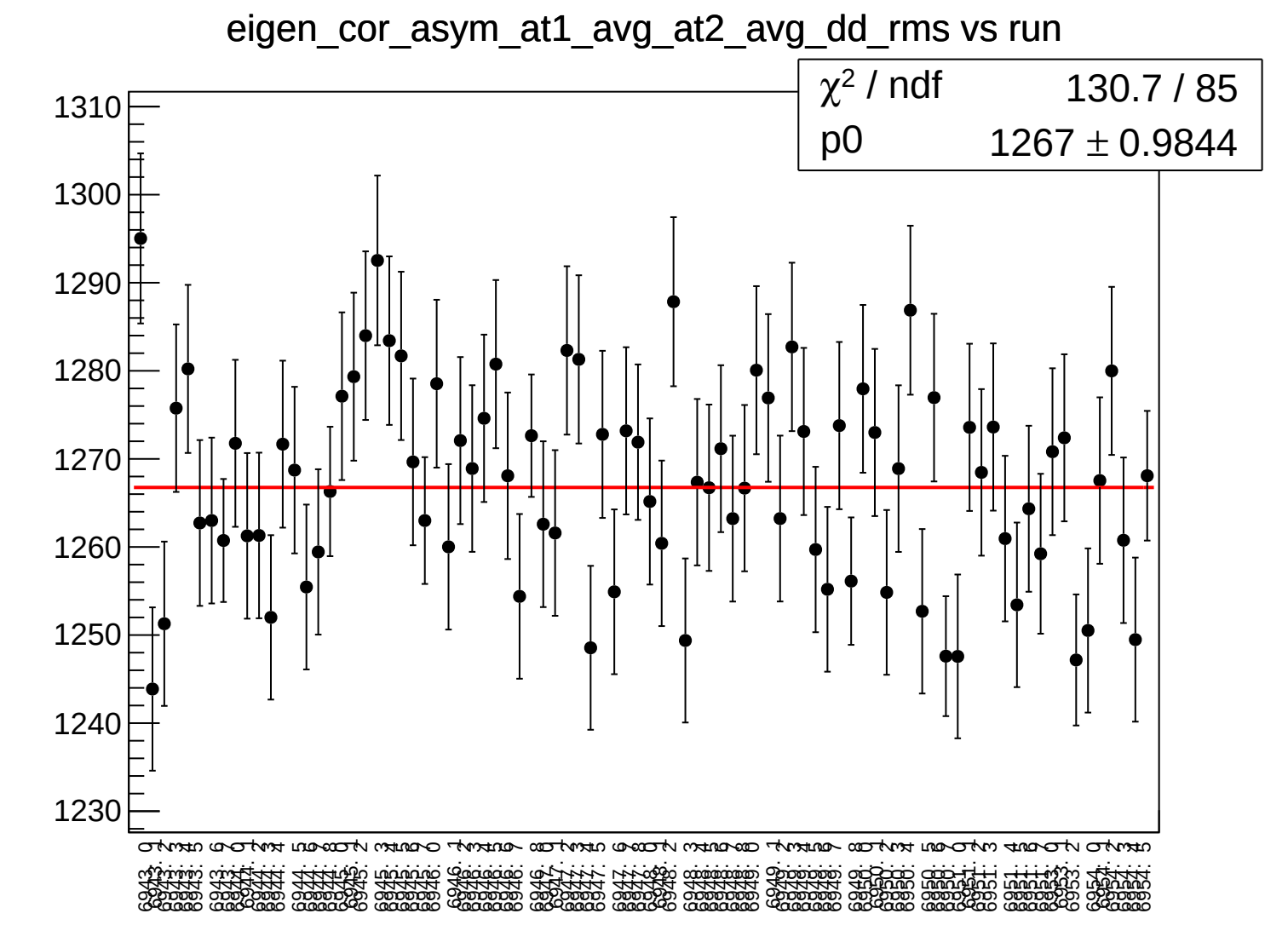

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

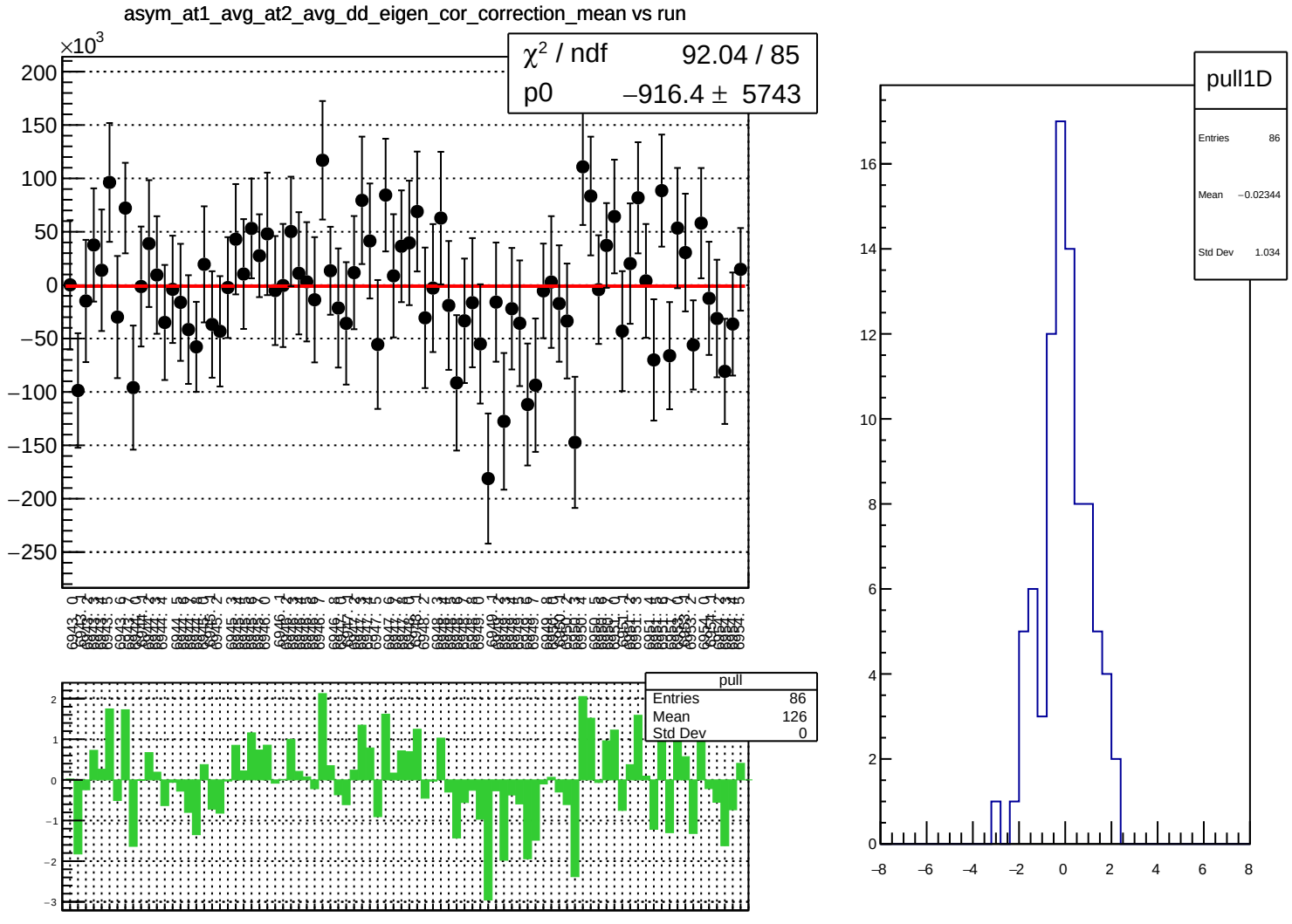

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

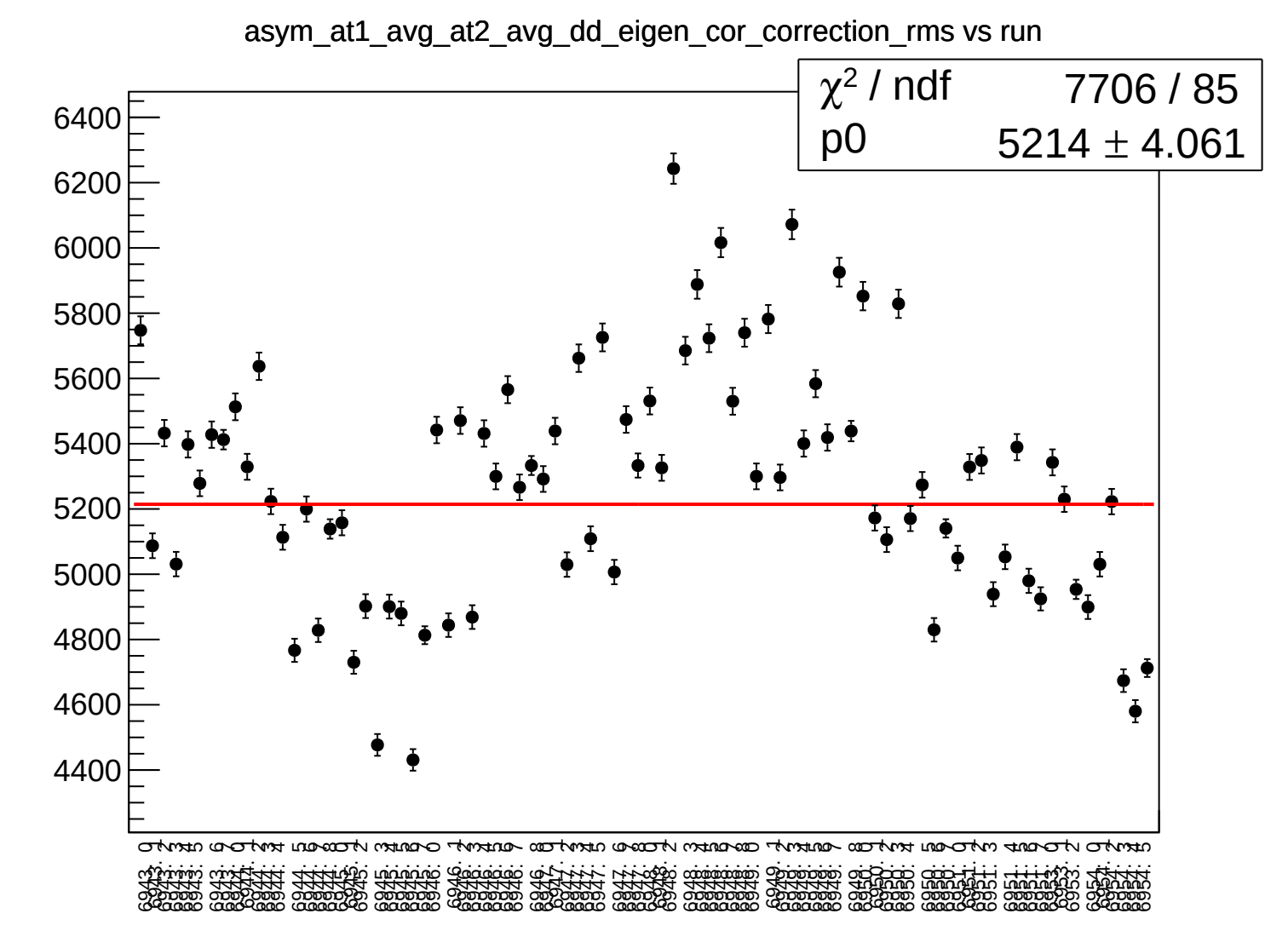

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

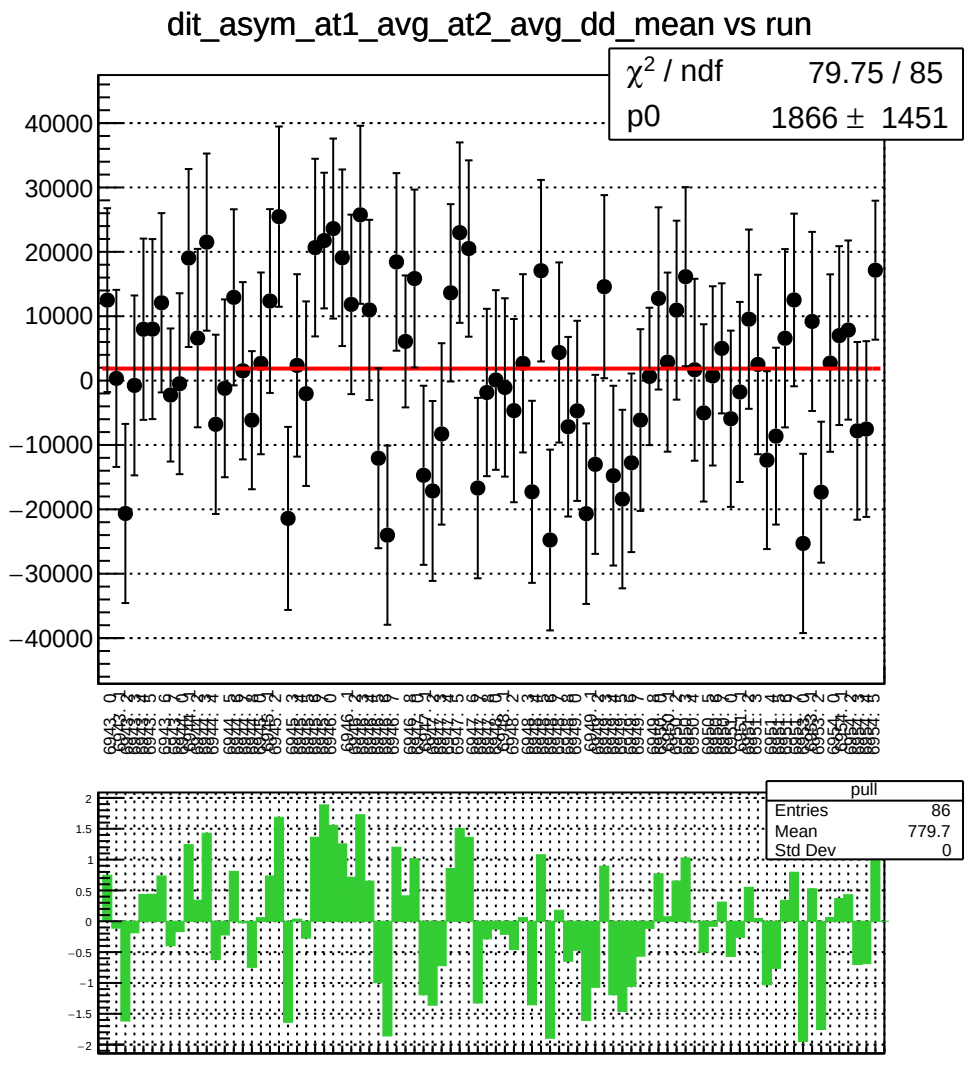

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

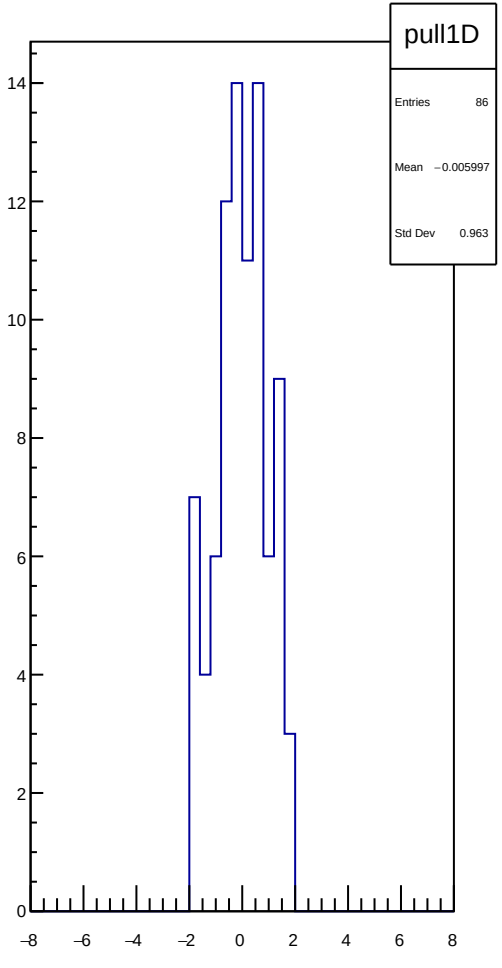

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

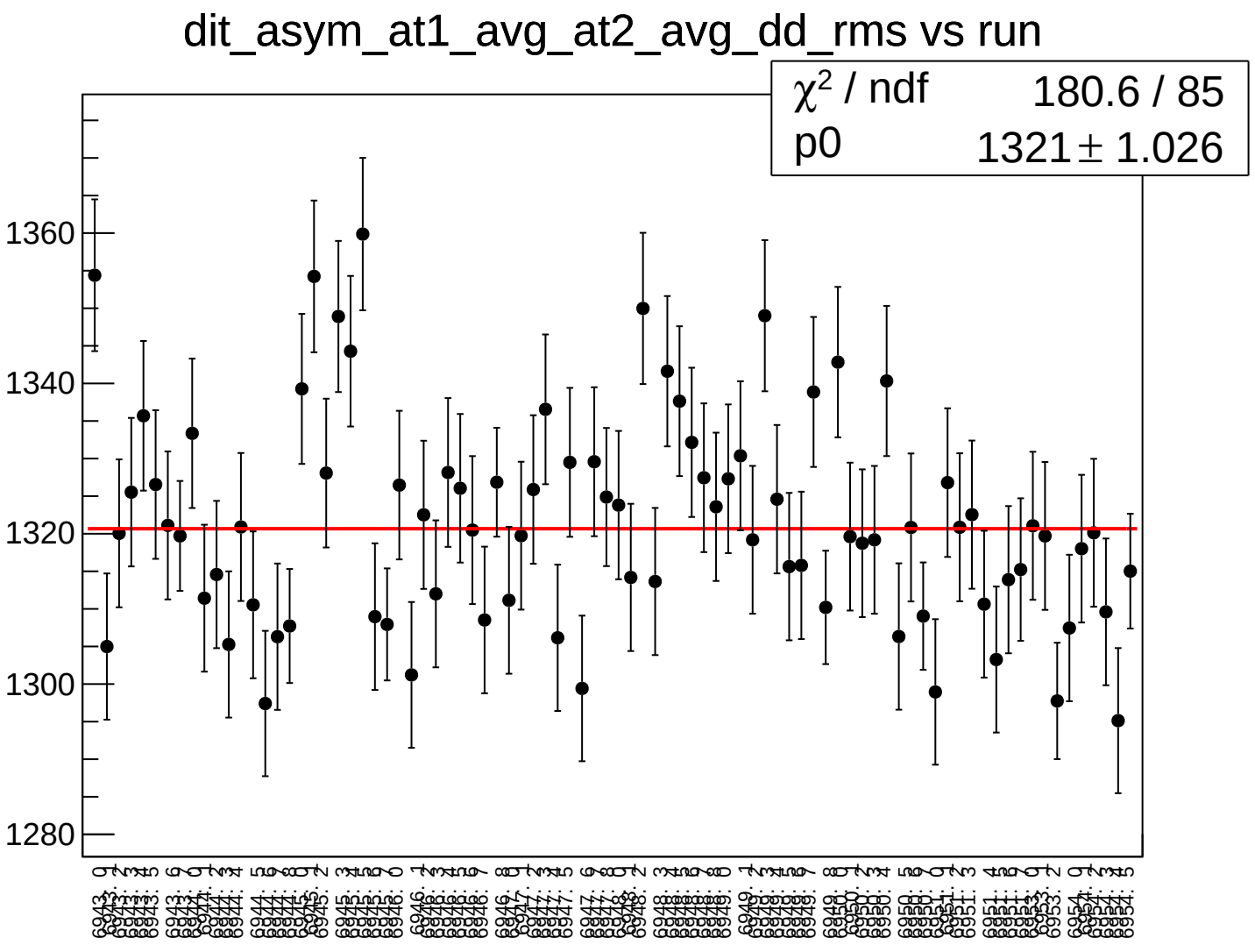

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

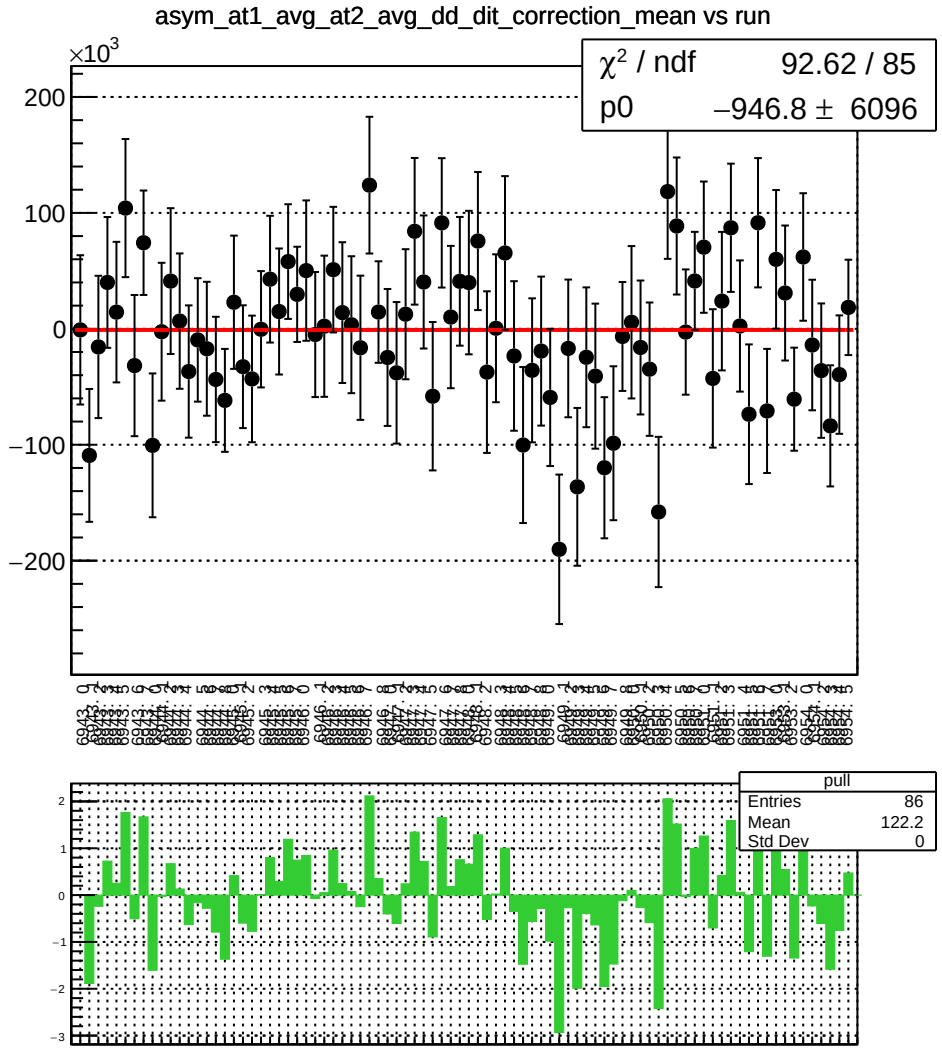

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0
pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

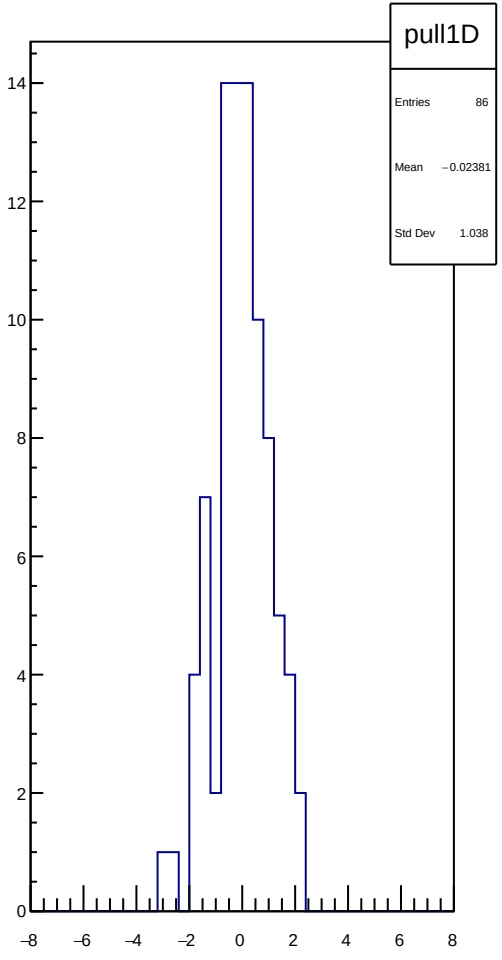

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

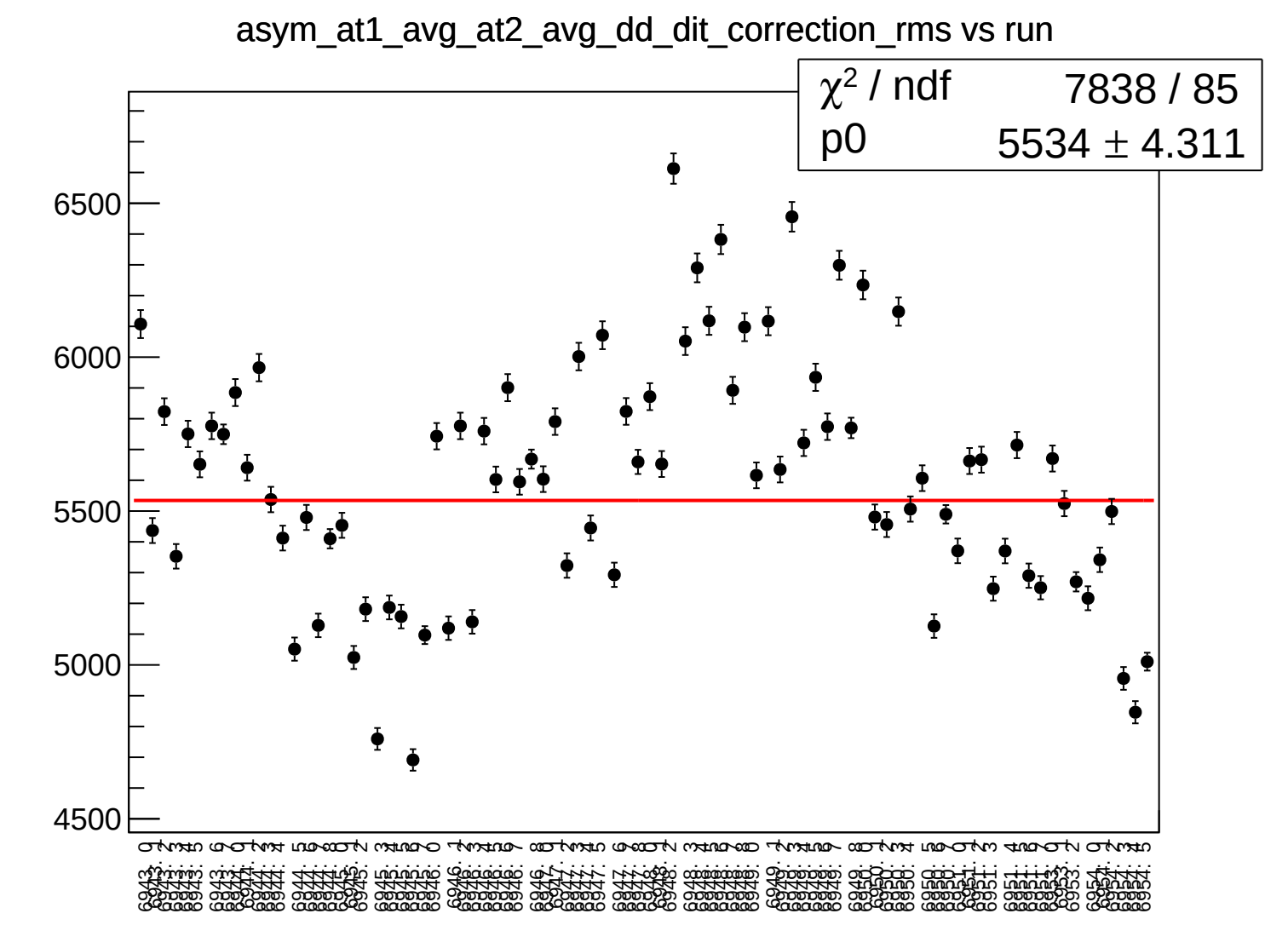

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

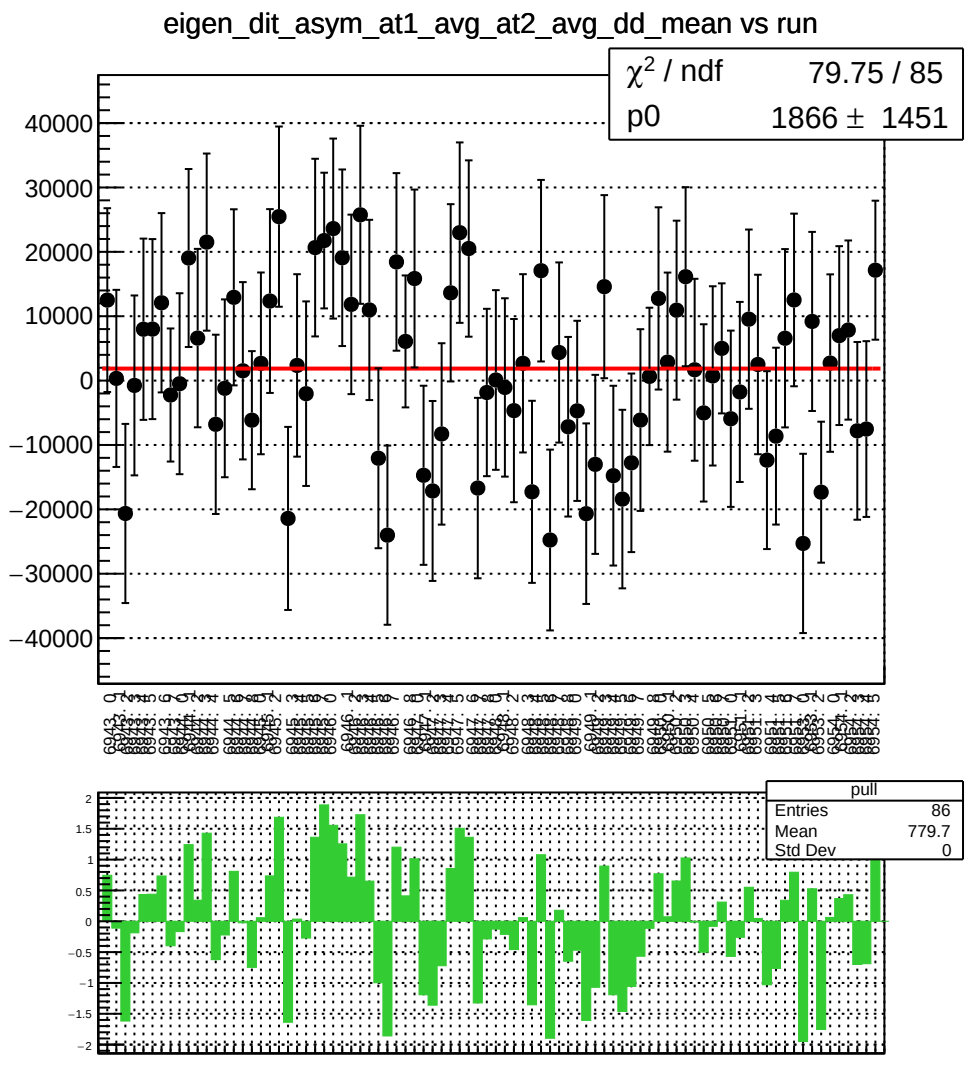

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

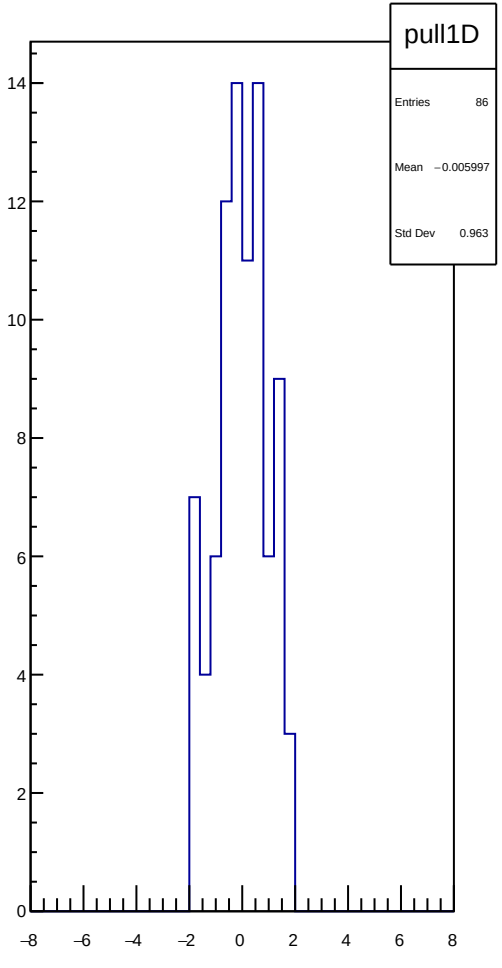

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

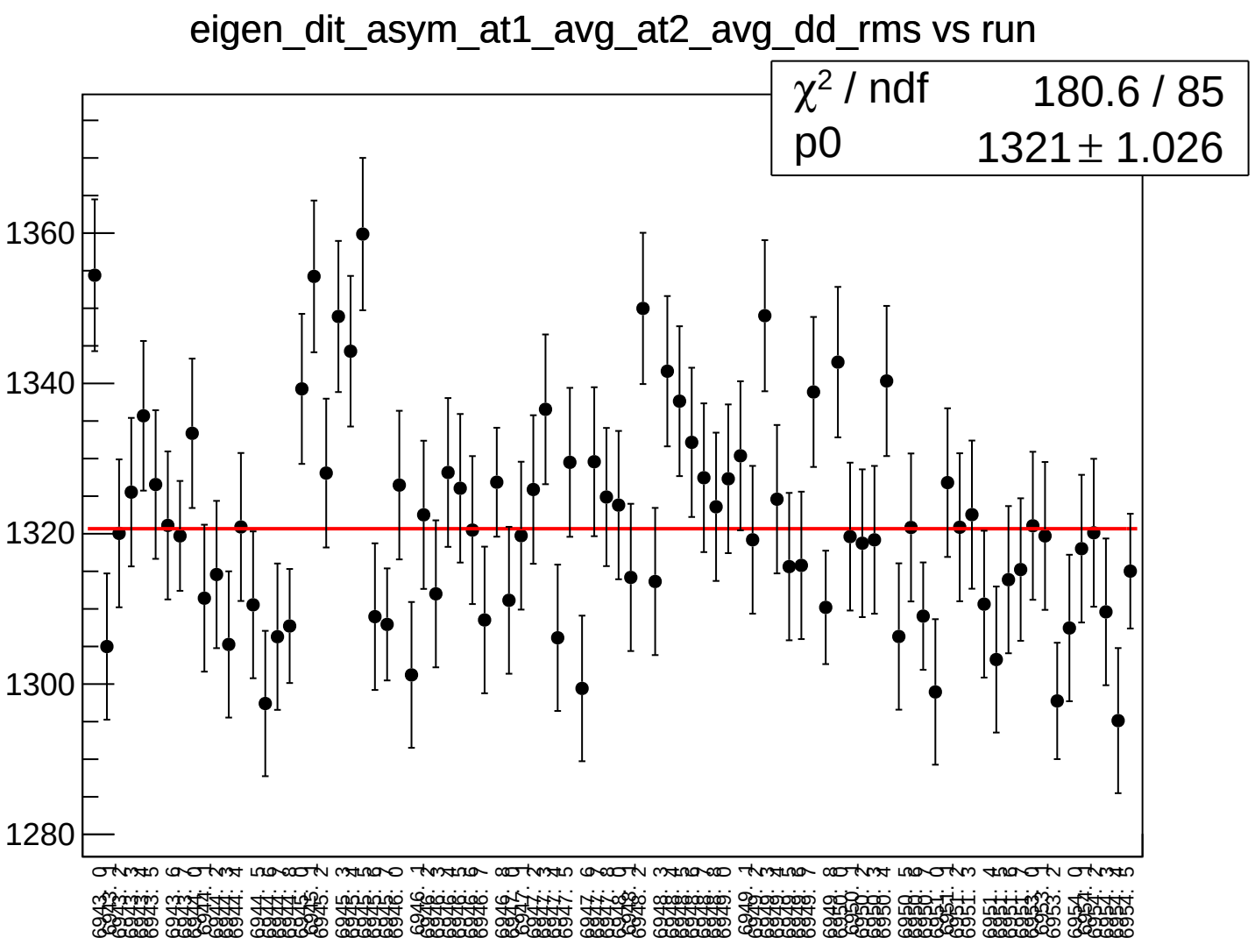

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3

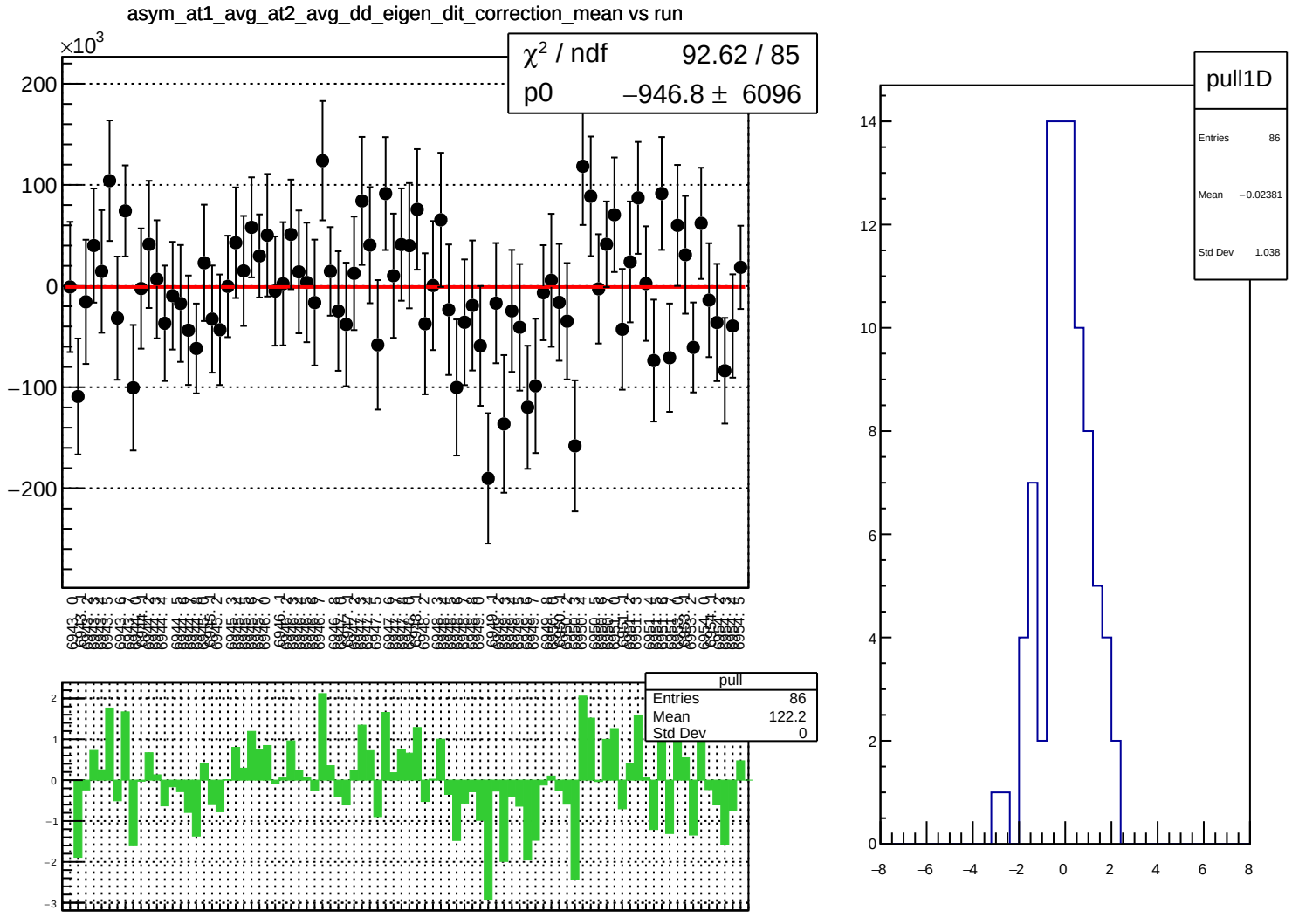

pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

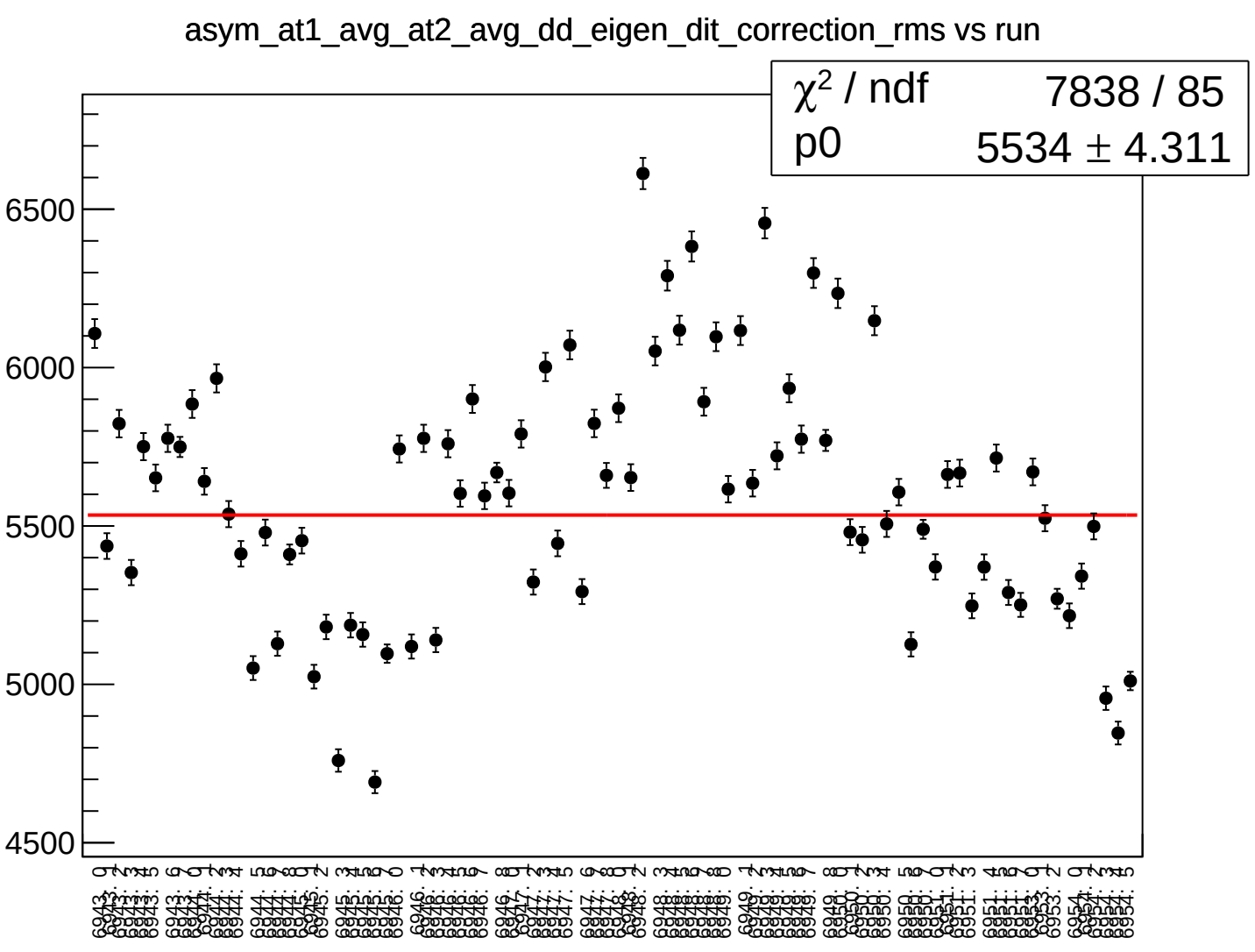

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

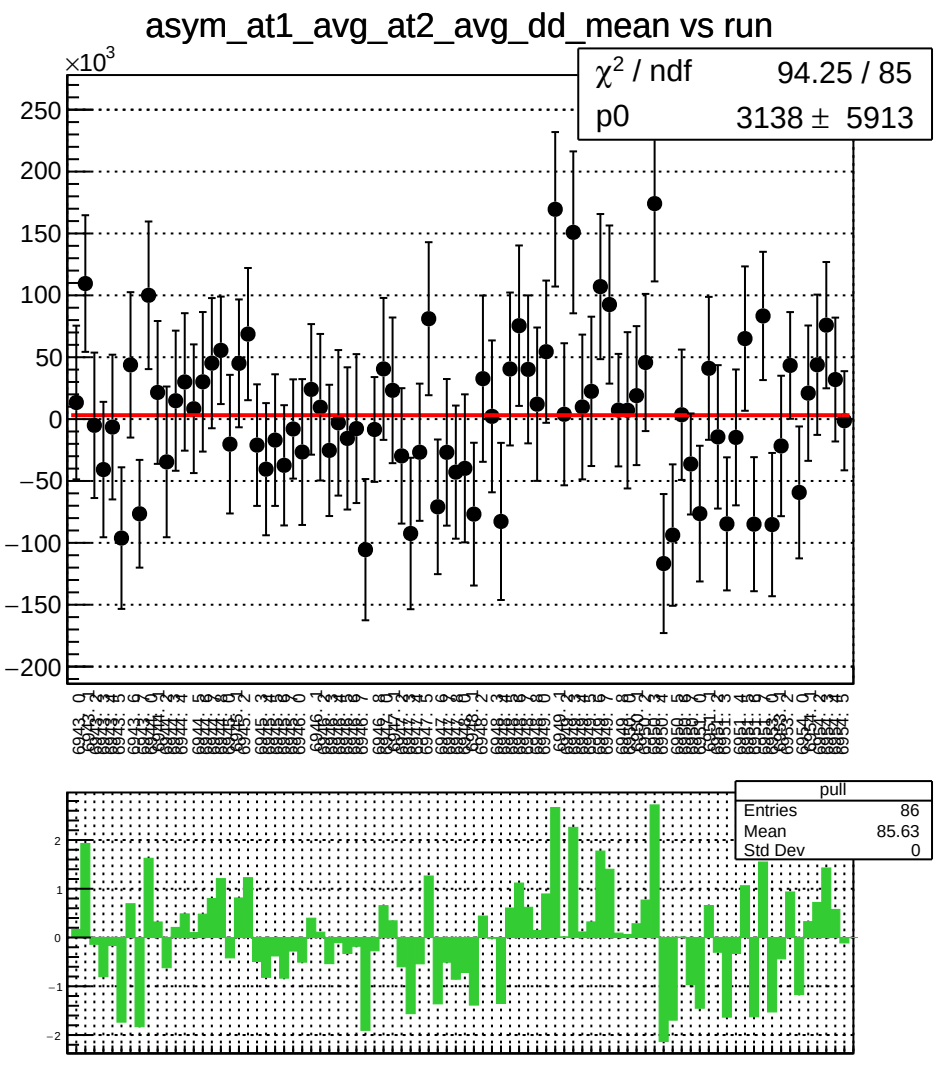

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

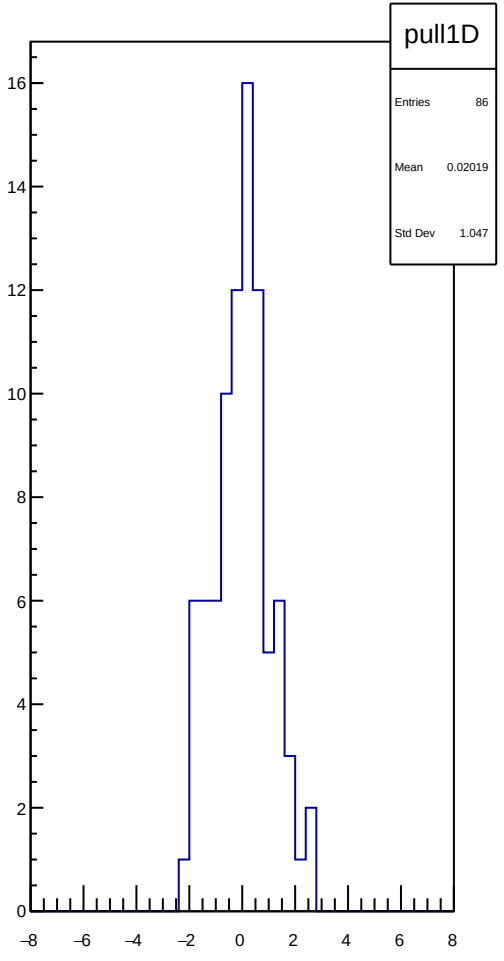

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

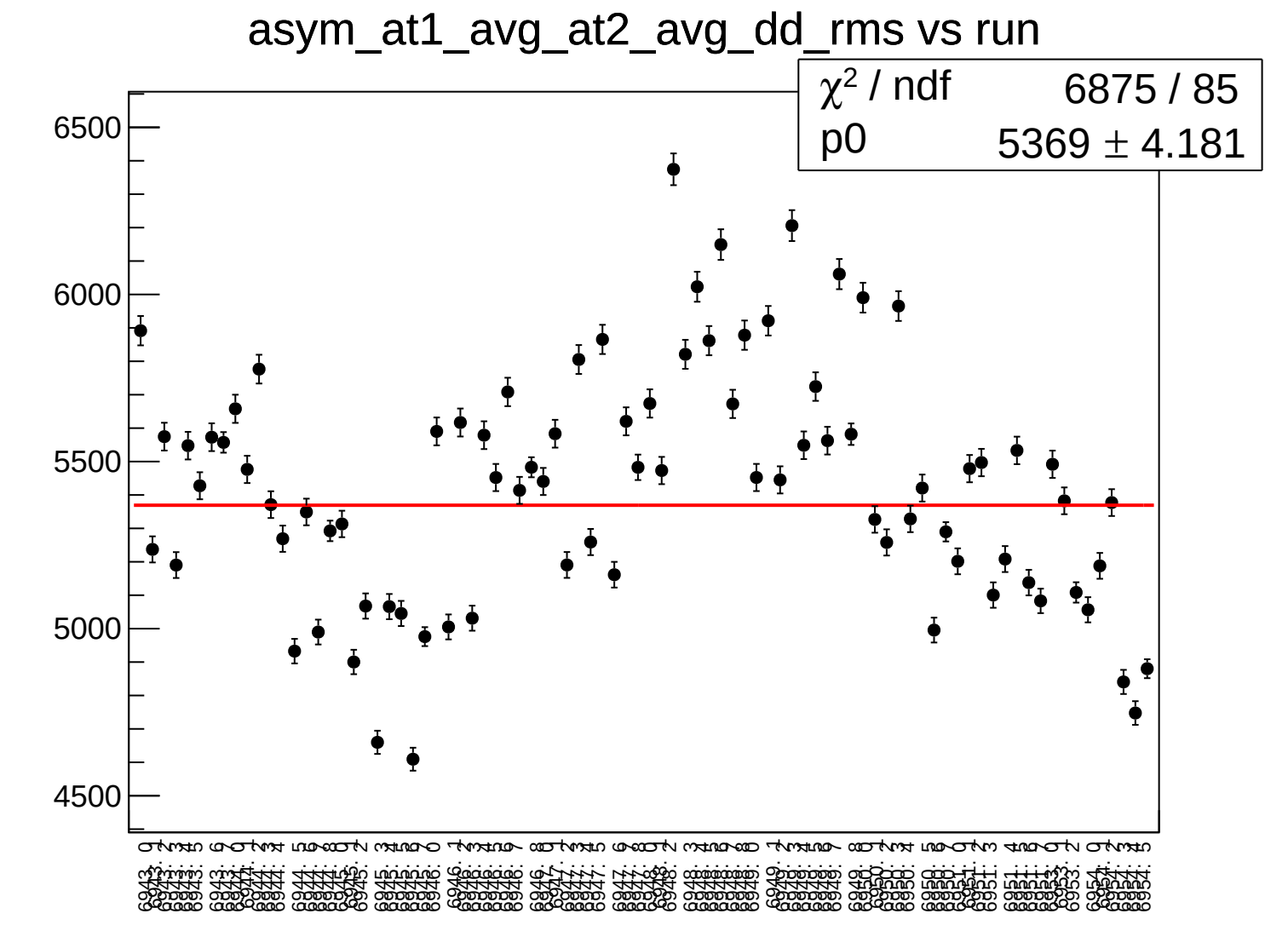

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

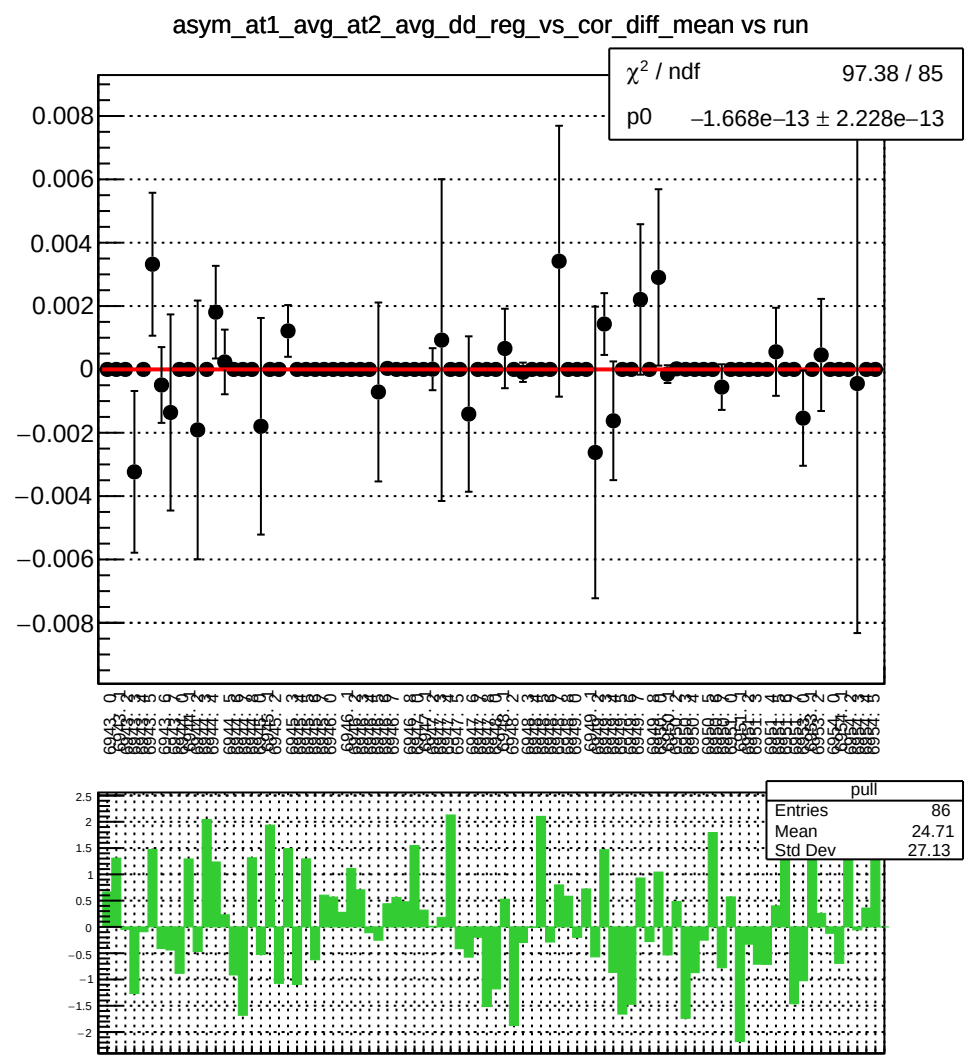

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

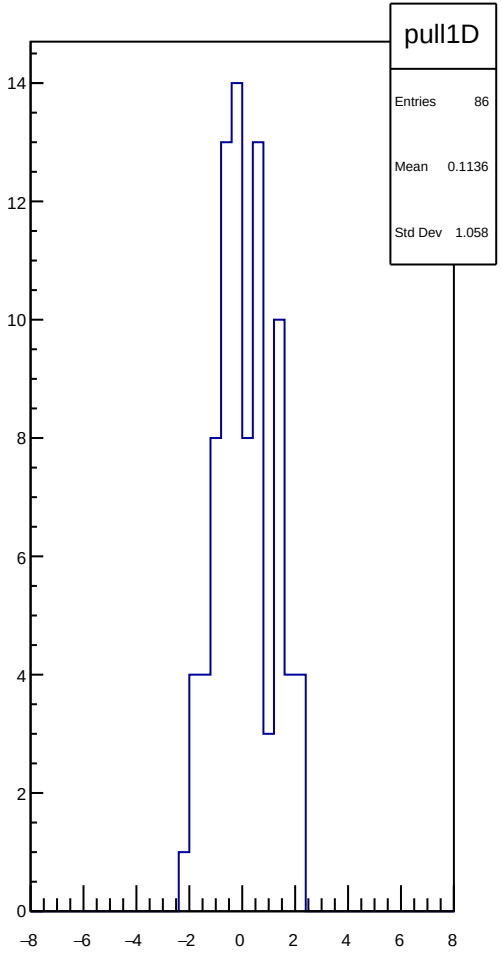

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

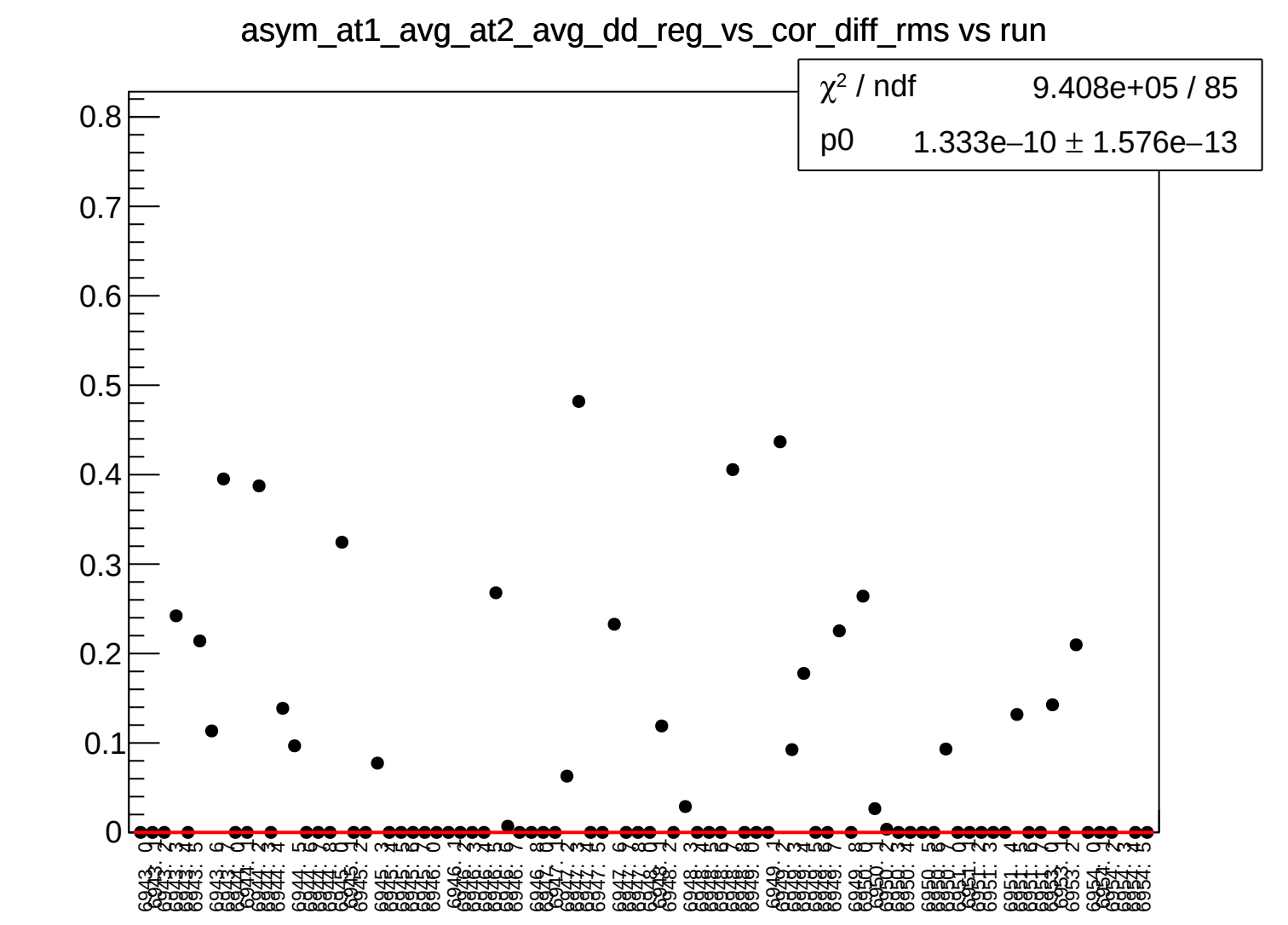

asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 94.25 / 85
p0 3138 ± 5913
pull
Entries 86
Mean 85.63
Std Dev 0

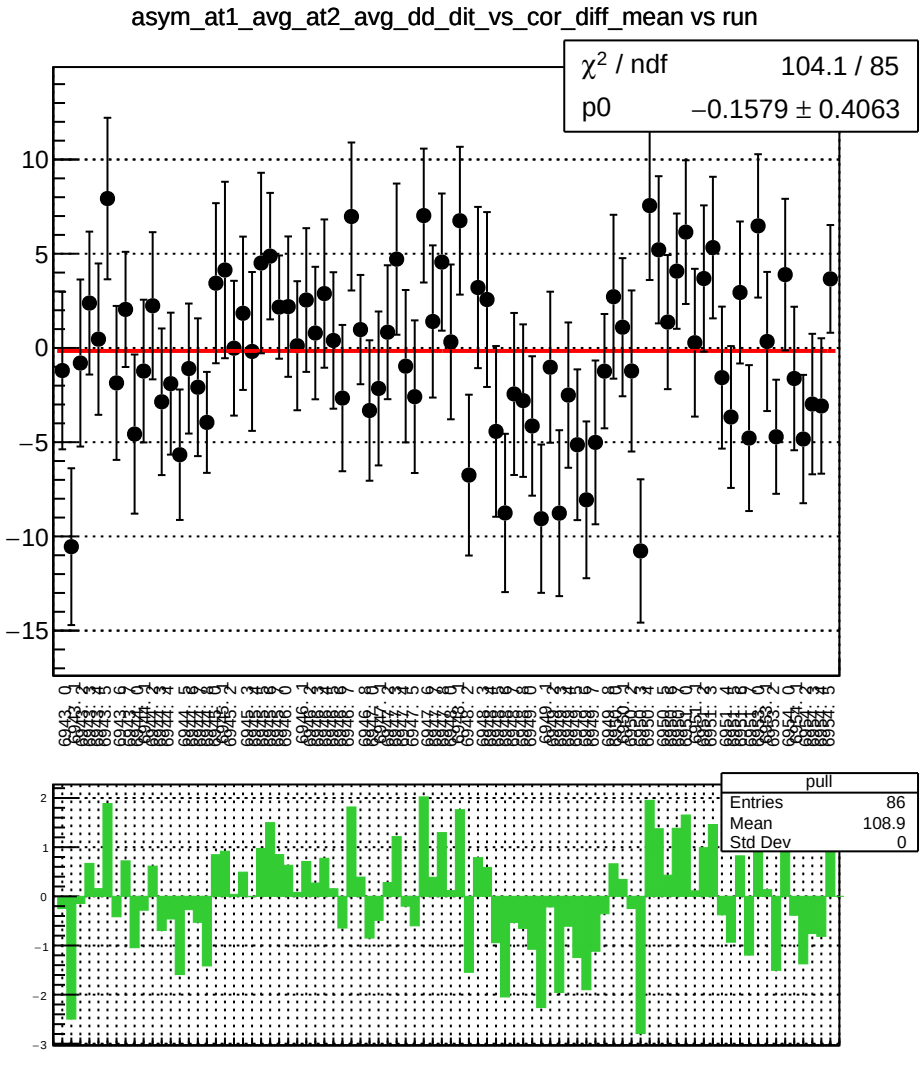

pull1D
Entries 86
Mean 0.02019
Std Dev 1.047

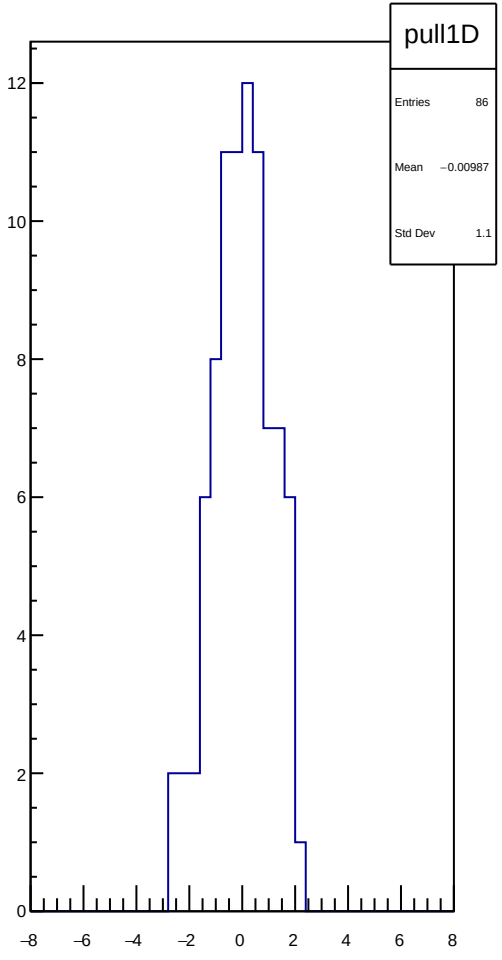

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 6875 / 85
p0 5369 ± 4.181
6500
6000
5500
5000
4500

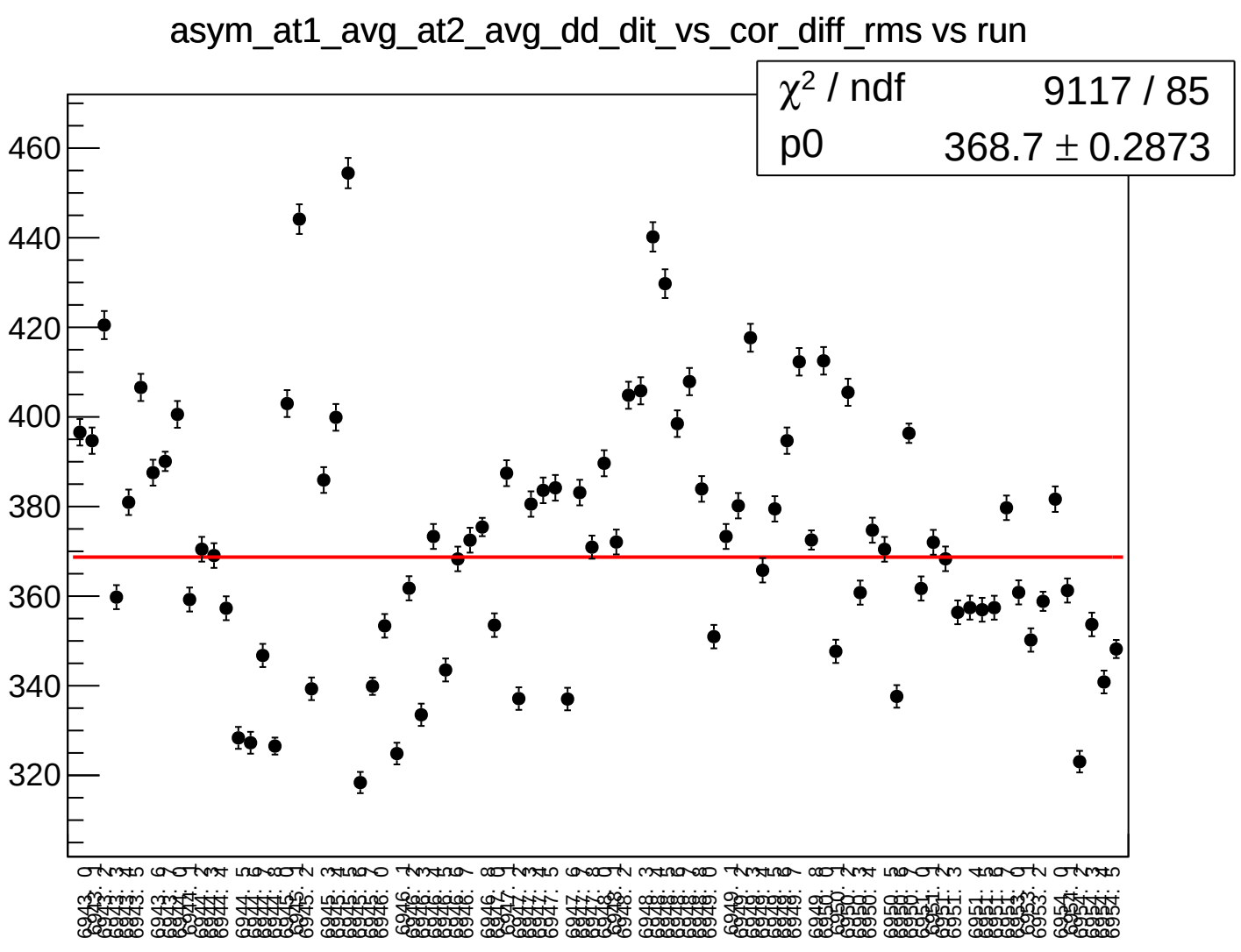

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.38 / 85
p0 −1.668e−13 ± 2.228e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 86
Mean 24.71
Std Dev 27.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

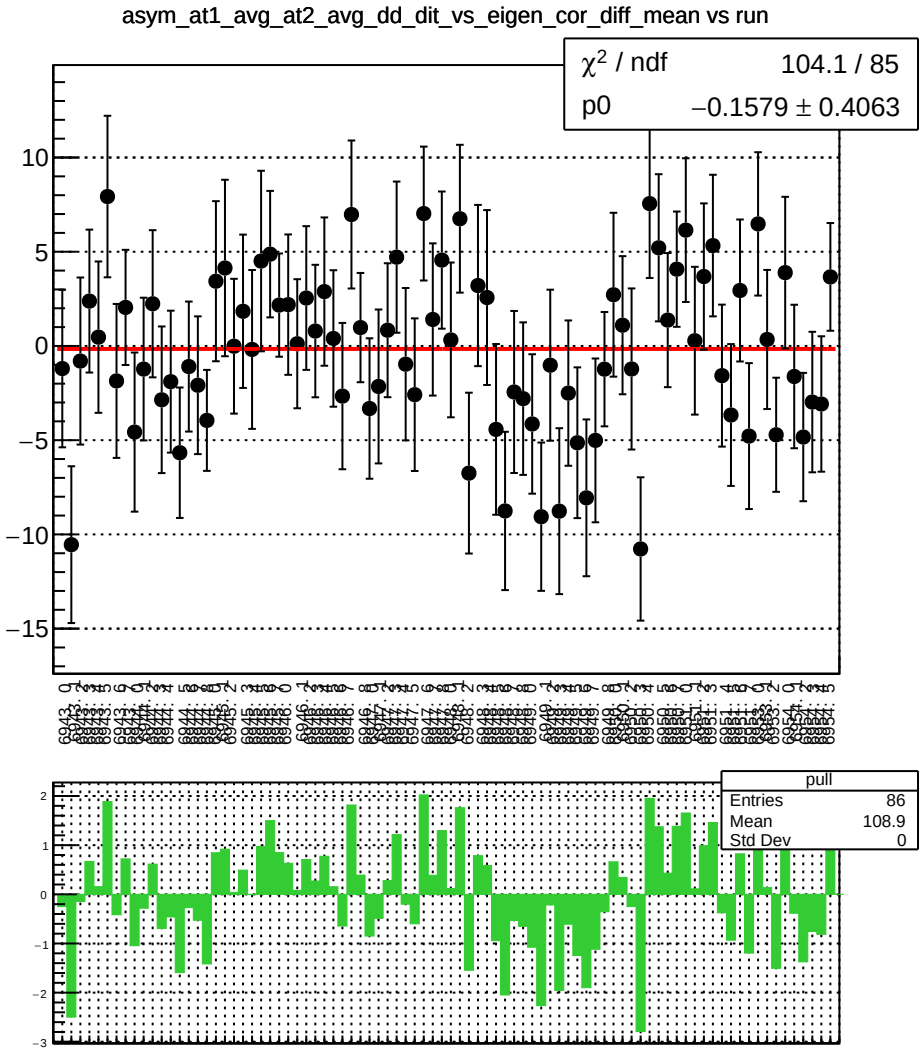

pull1D
Entries 86
Mean 0.1136
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

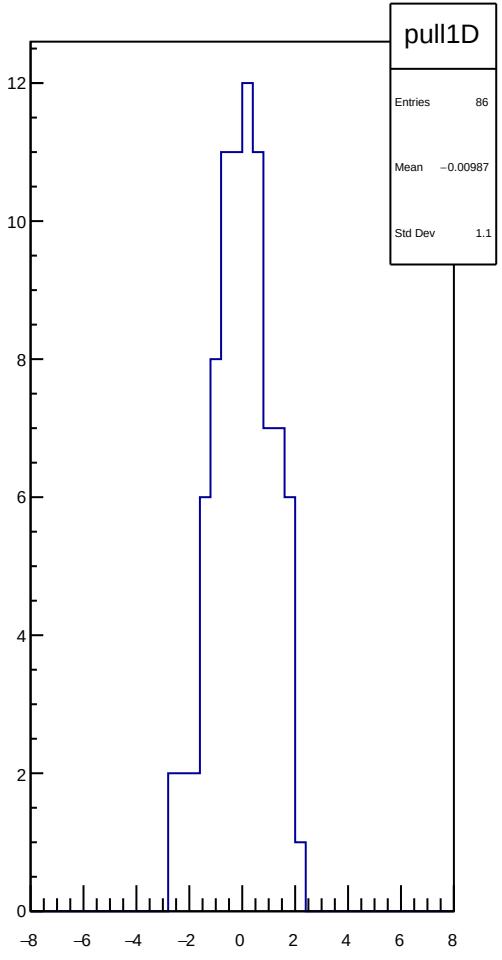

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.408e+05 / 85
p0 1.333e−10 ± 1.576e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

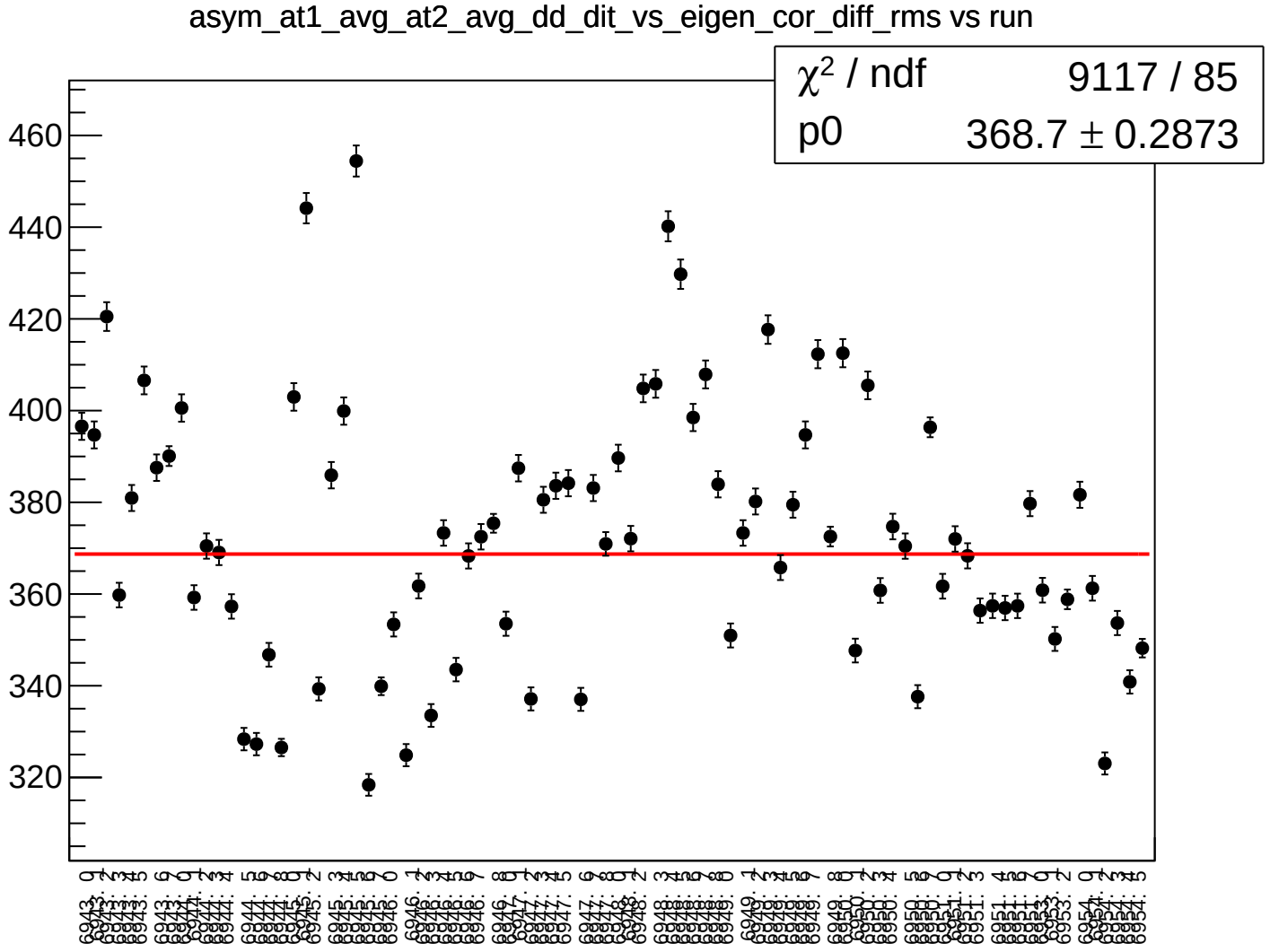

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

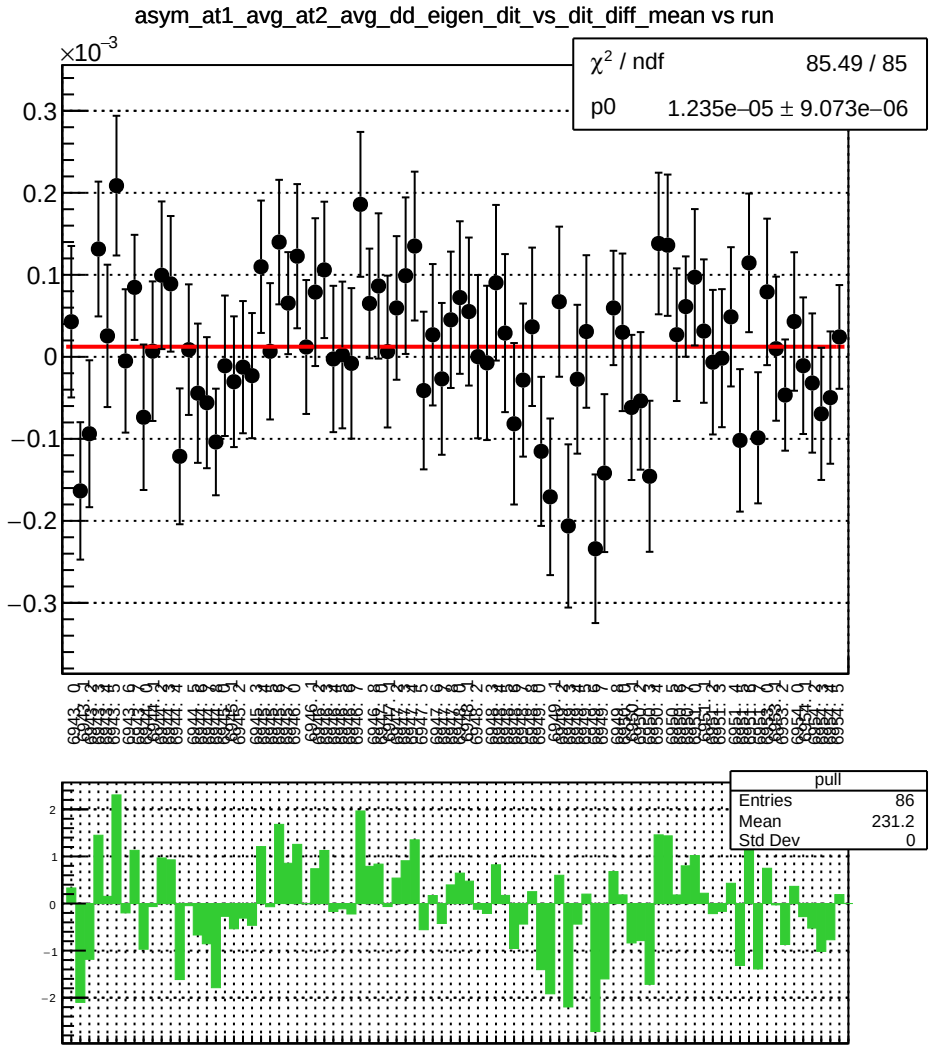

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

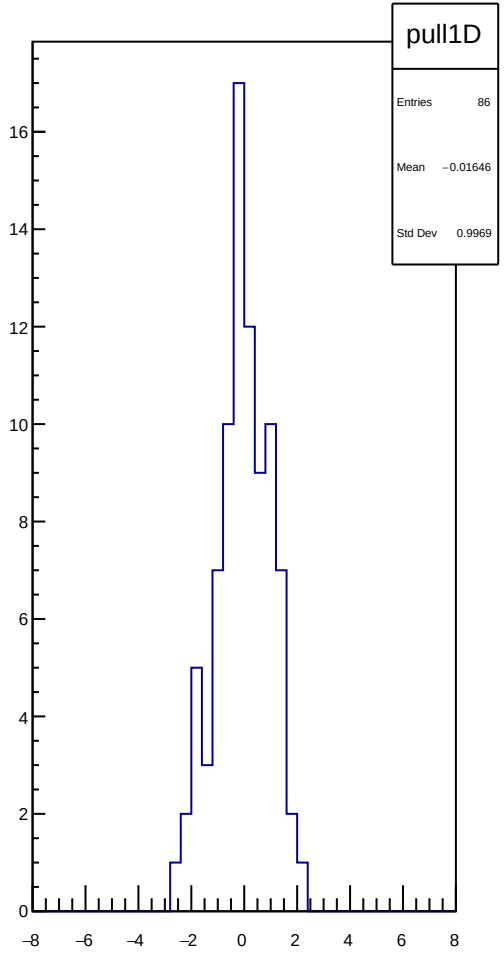

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

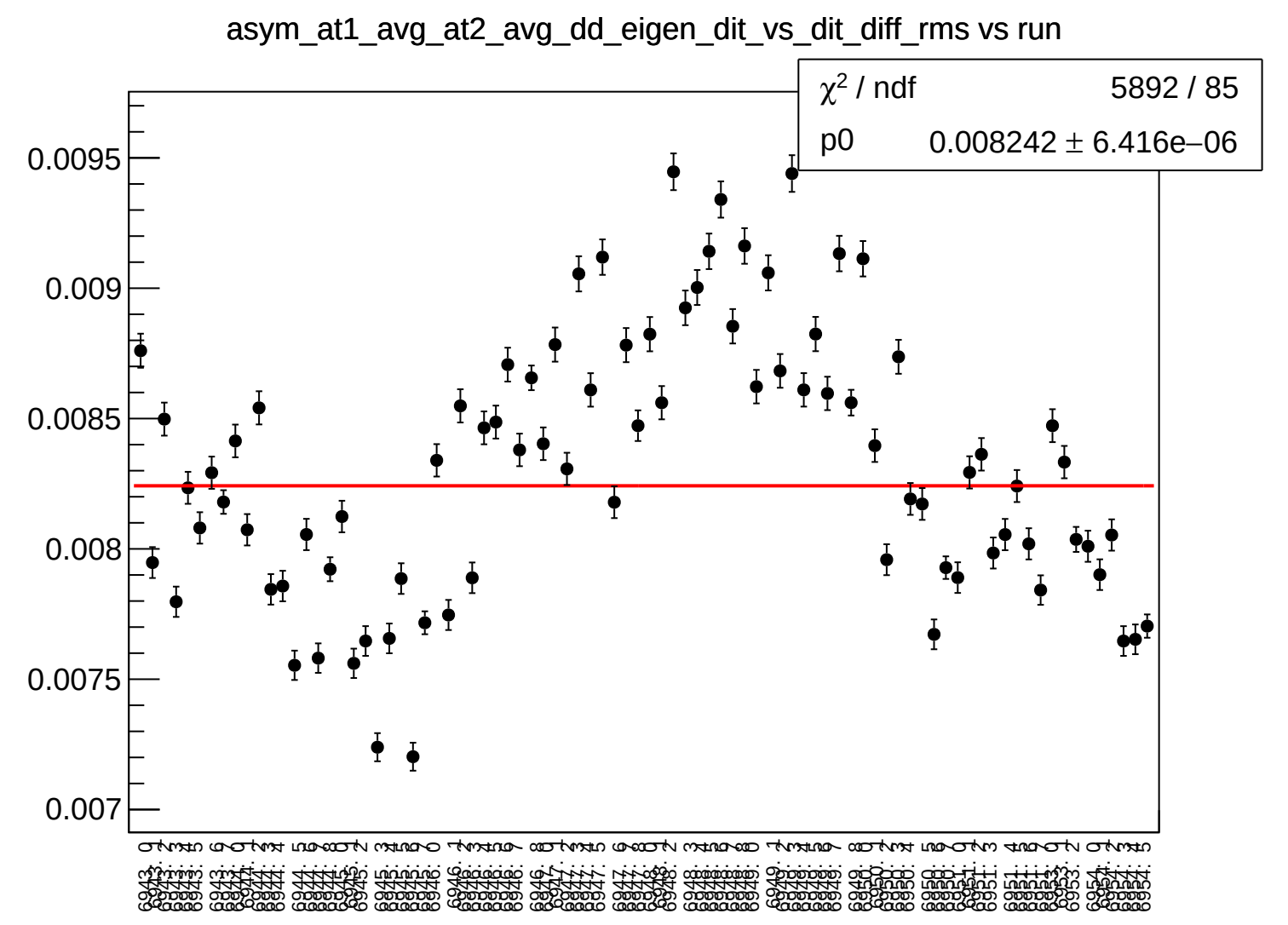

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

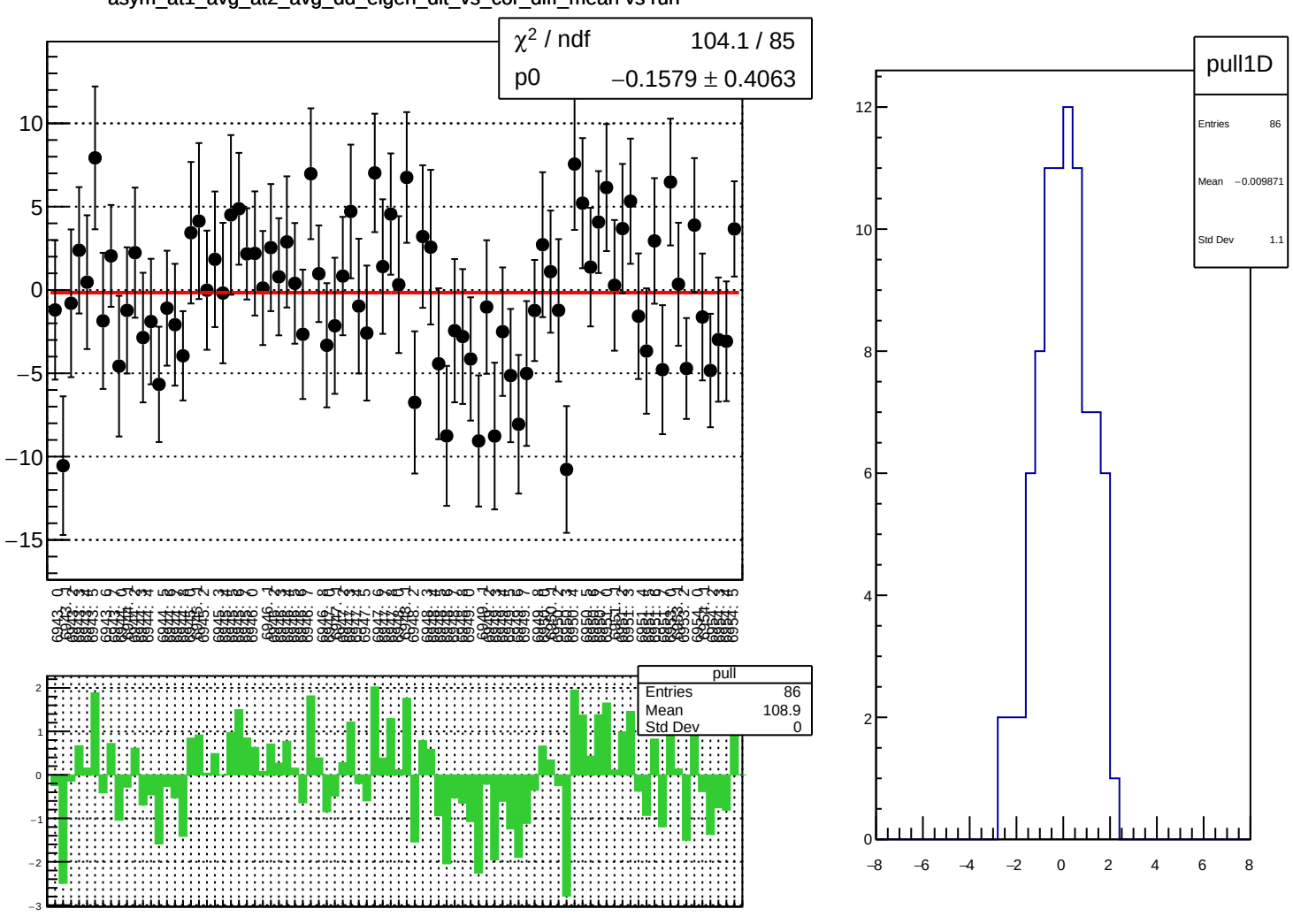

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

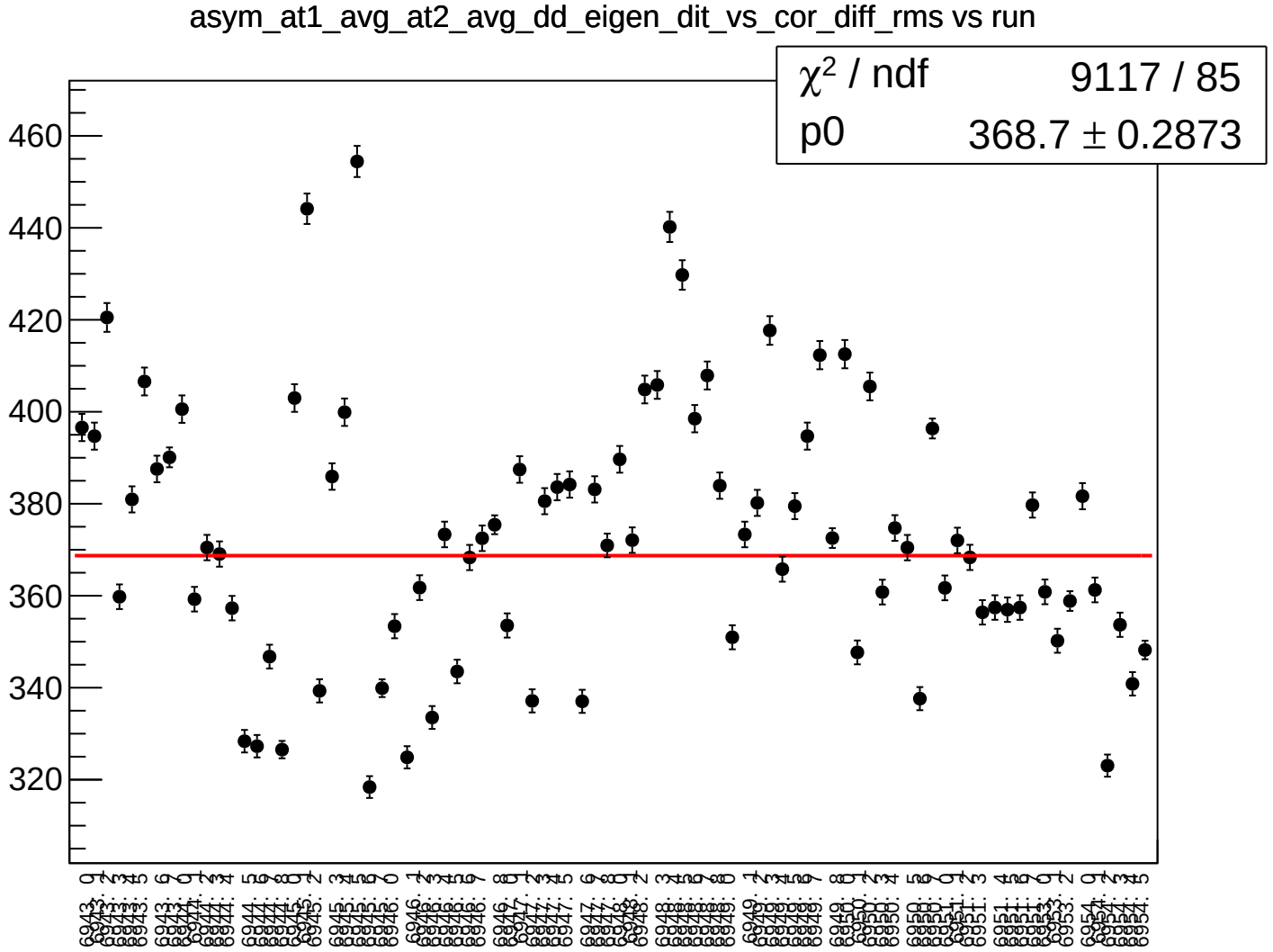

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

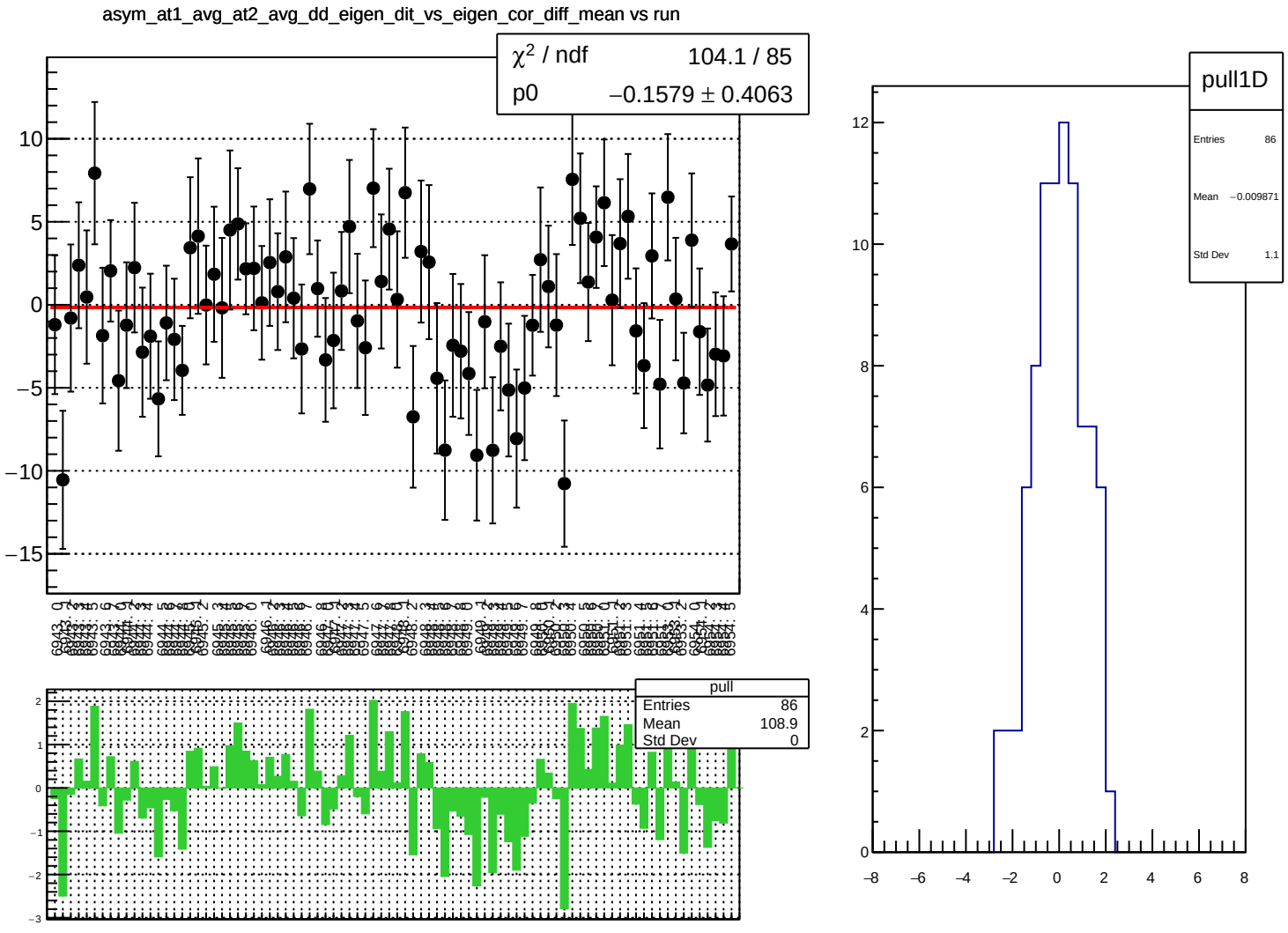

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.49 / 85
p0 1.235e−05 ± 9.073e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 86
Mean 231.2
Std Dev 0
2
1
0
−1
−2

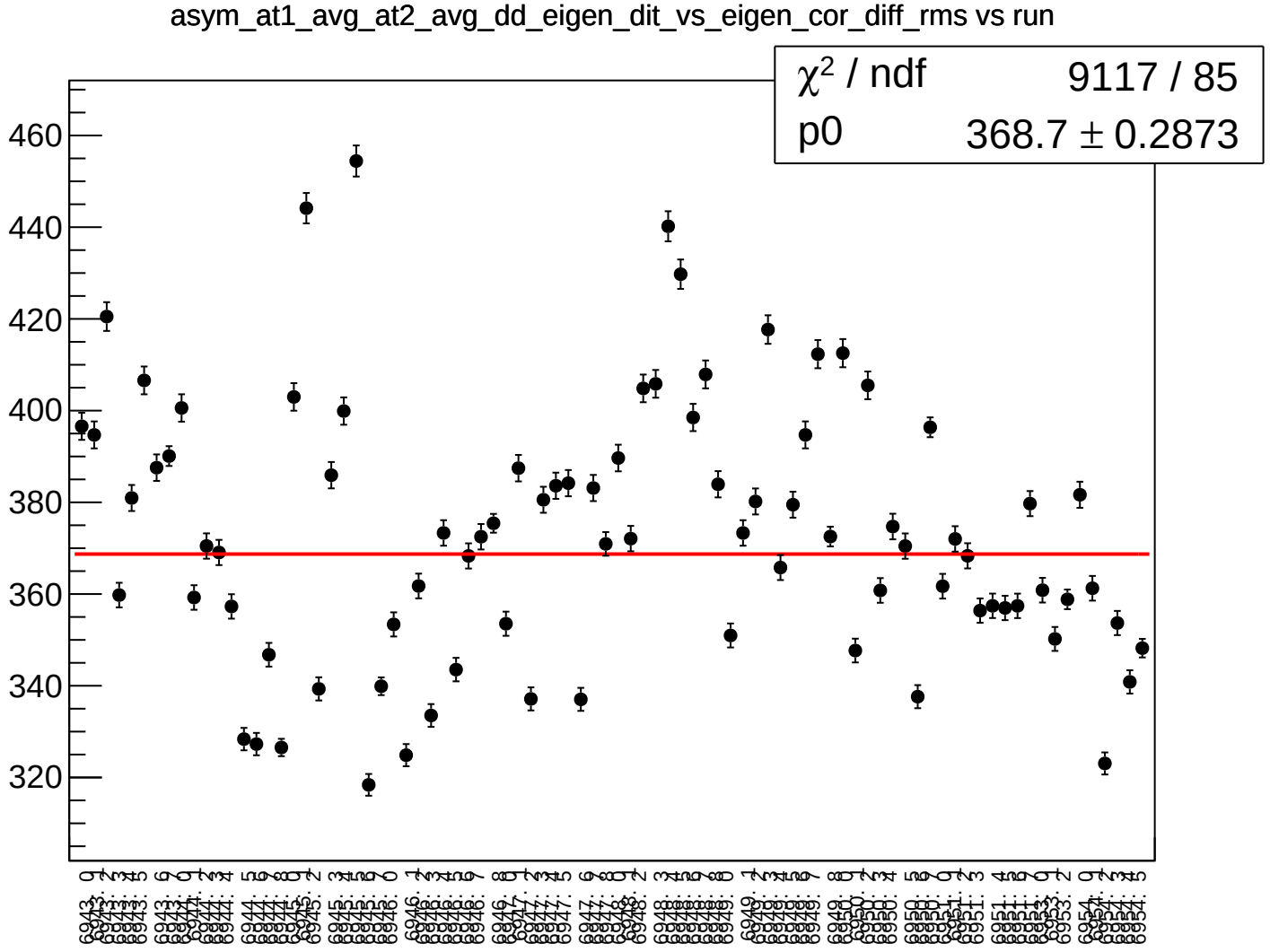

pull1D
Entries 86
Mean −0.01646
Std Dev 0.9969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

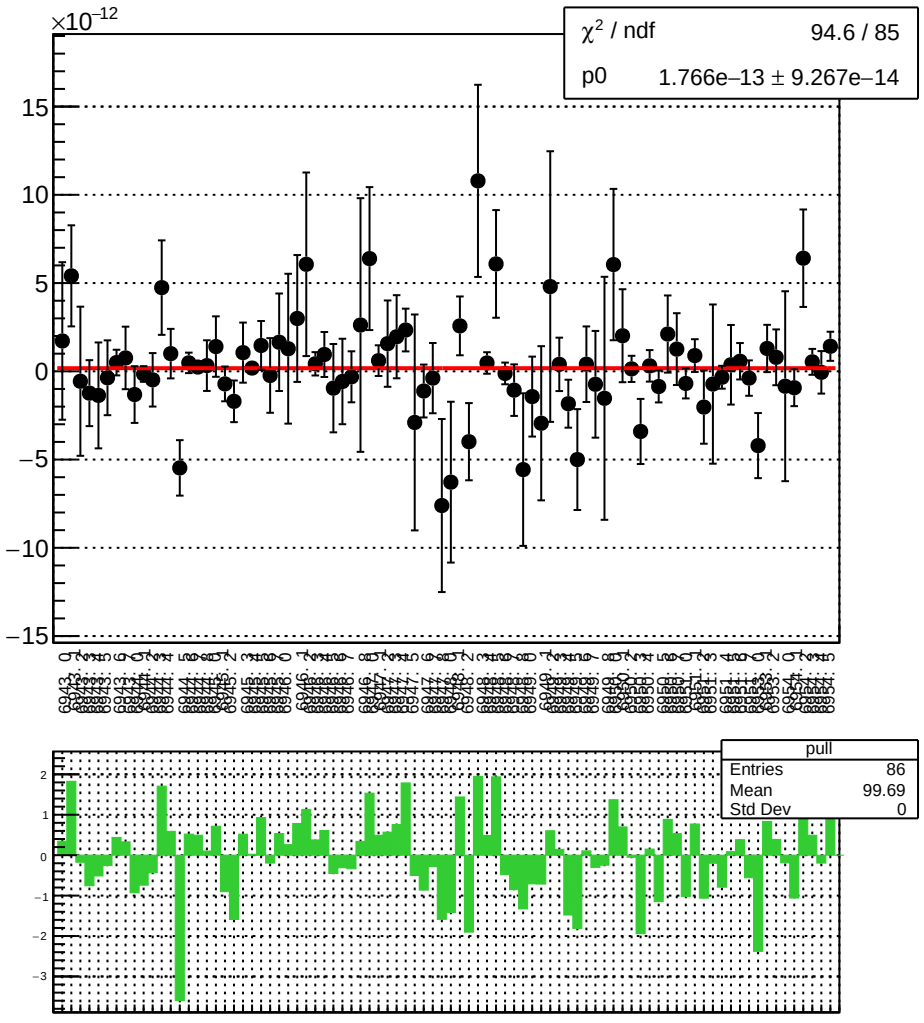

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5892 / 85
p0 0.008242 ± 6.416e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

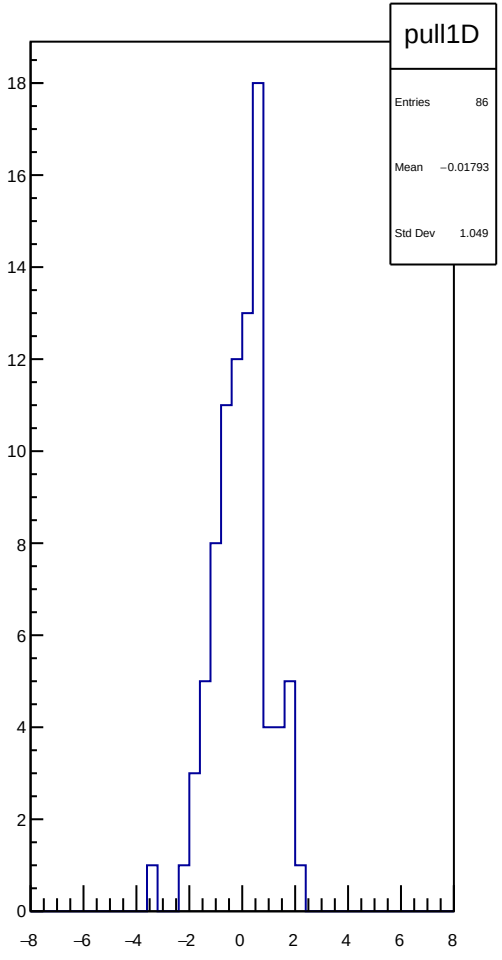

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

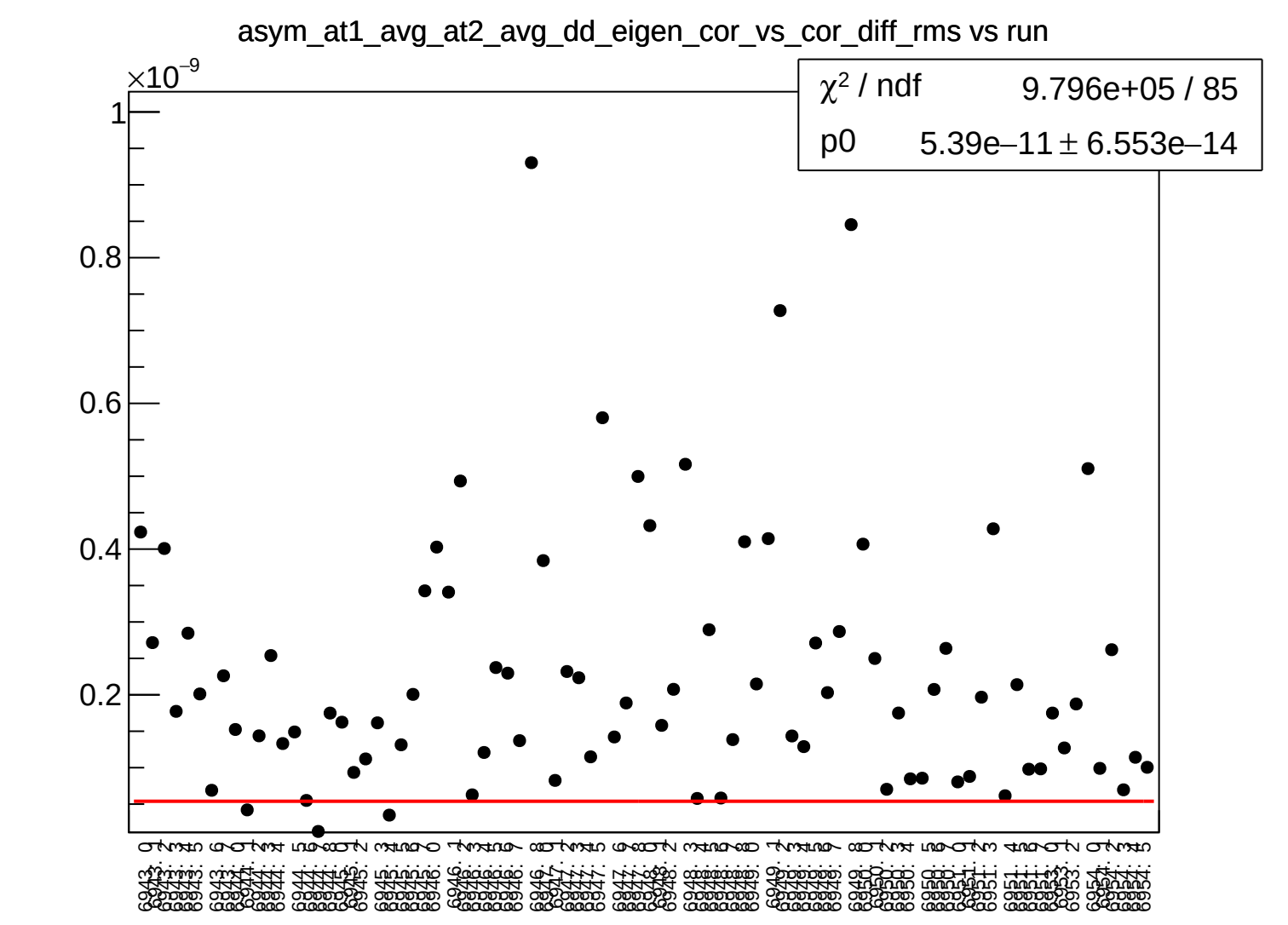

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

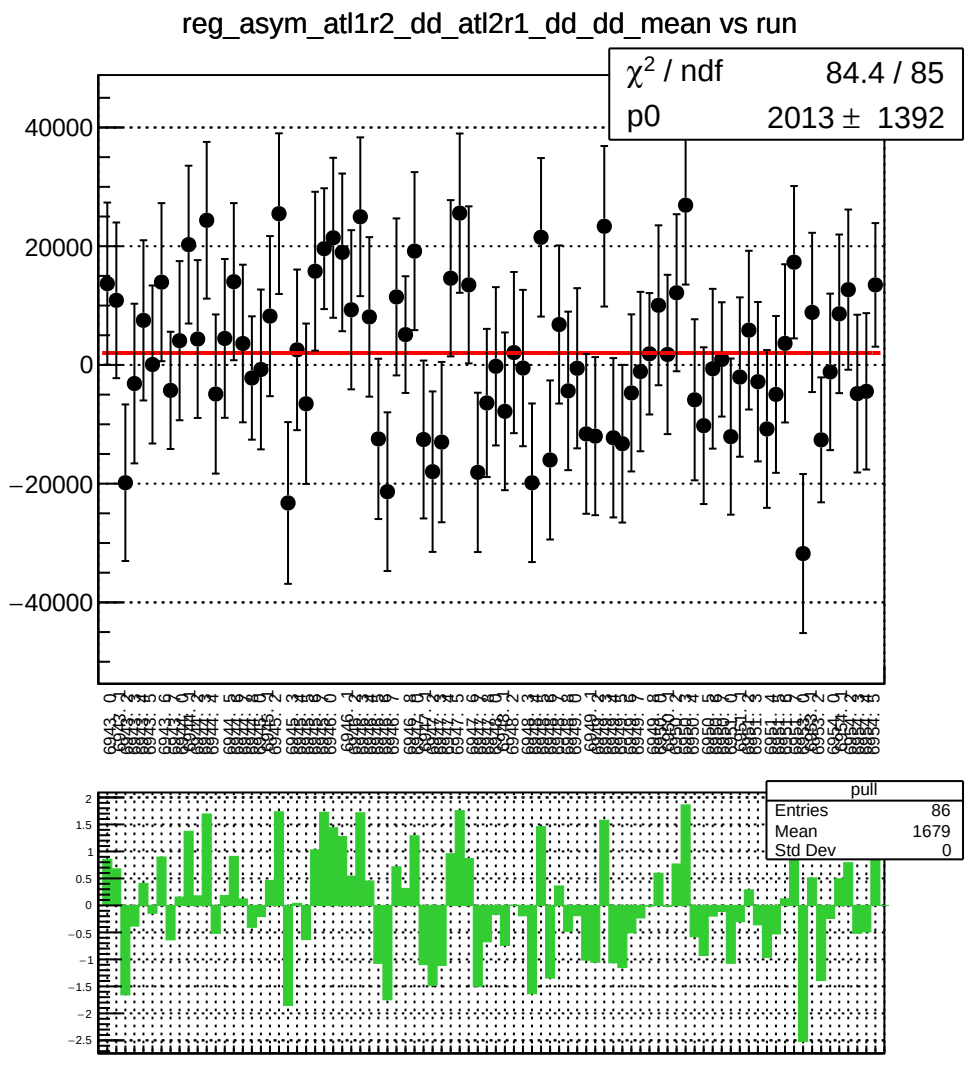

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

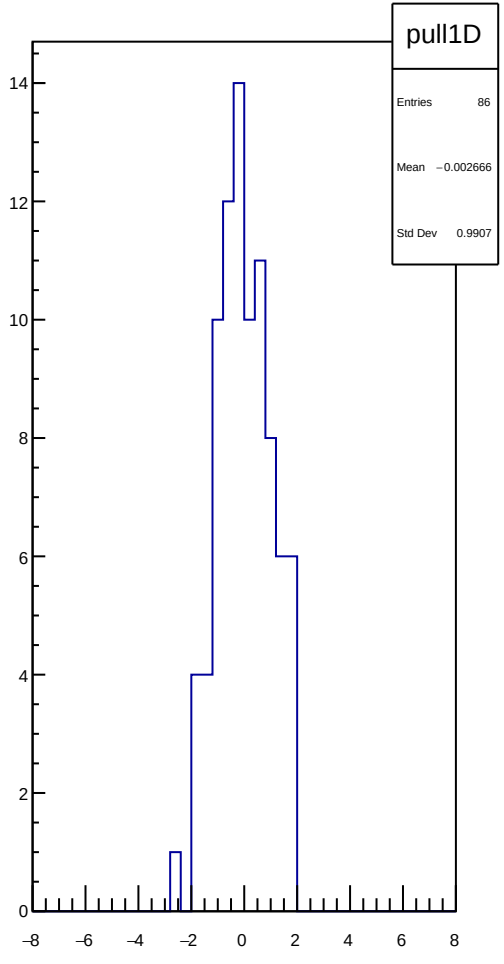

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

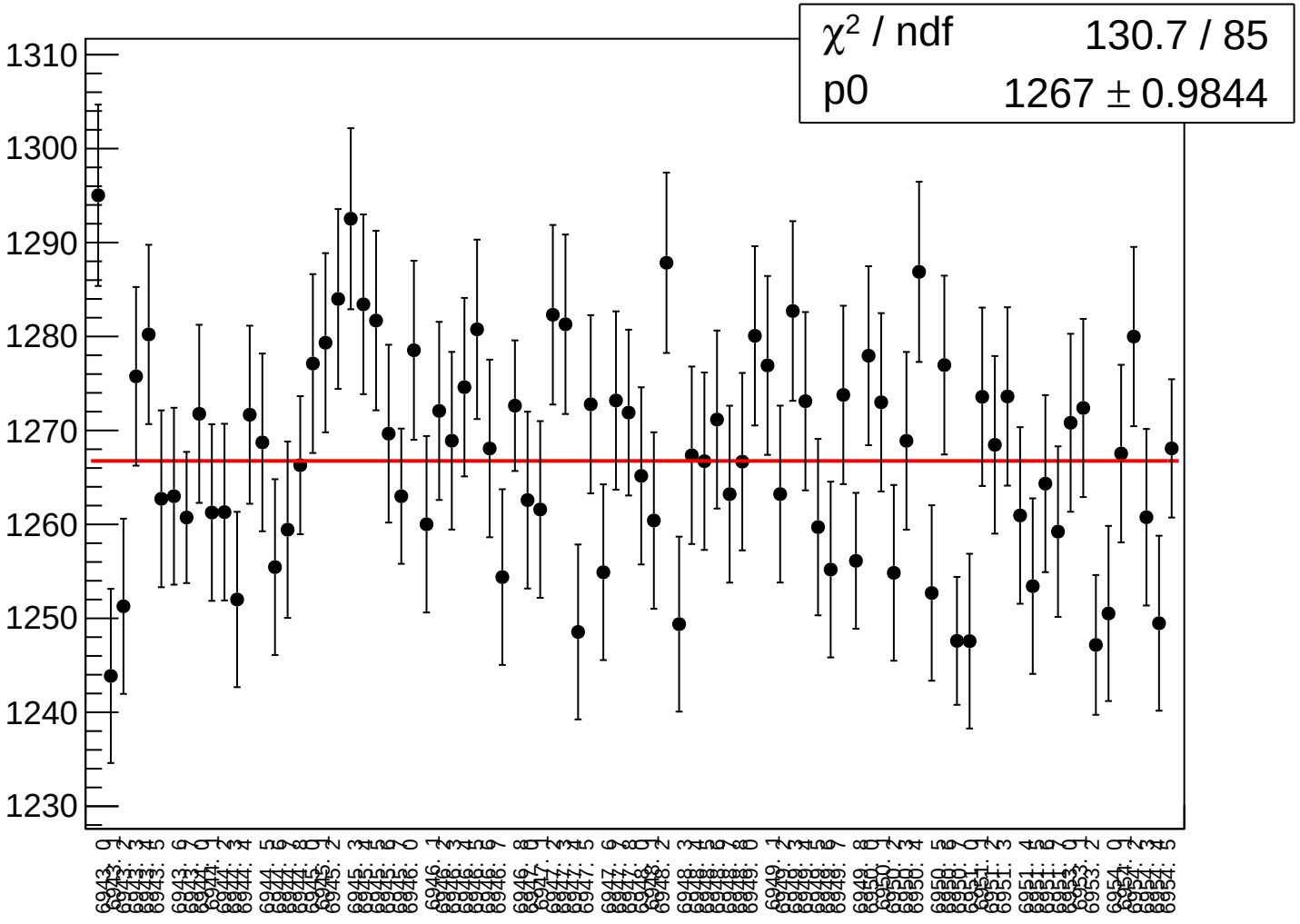

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.6 / 85
p0 1.766e−13 ± 9.267e−14
pull
Entries 86
Mean 99.69
Std Dev 0

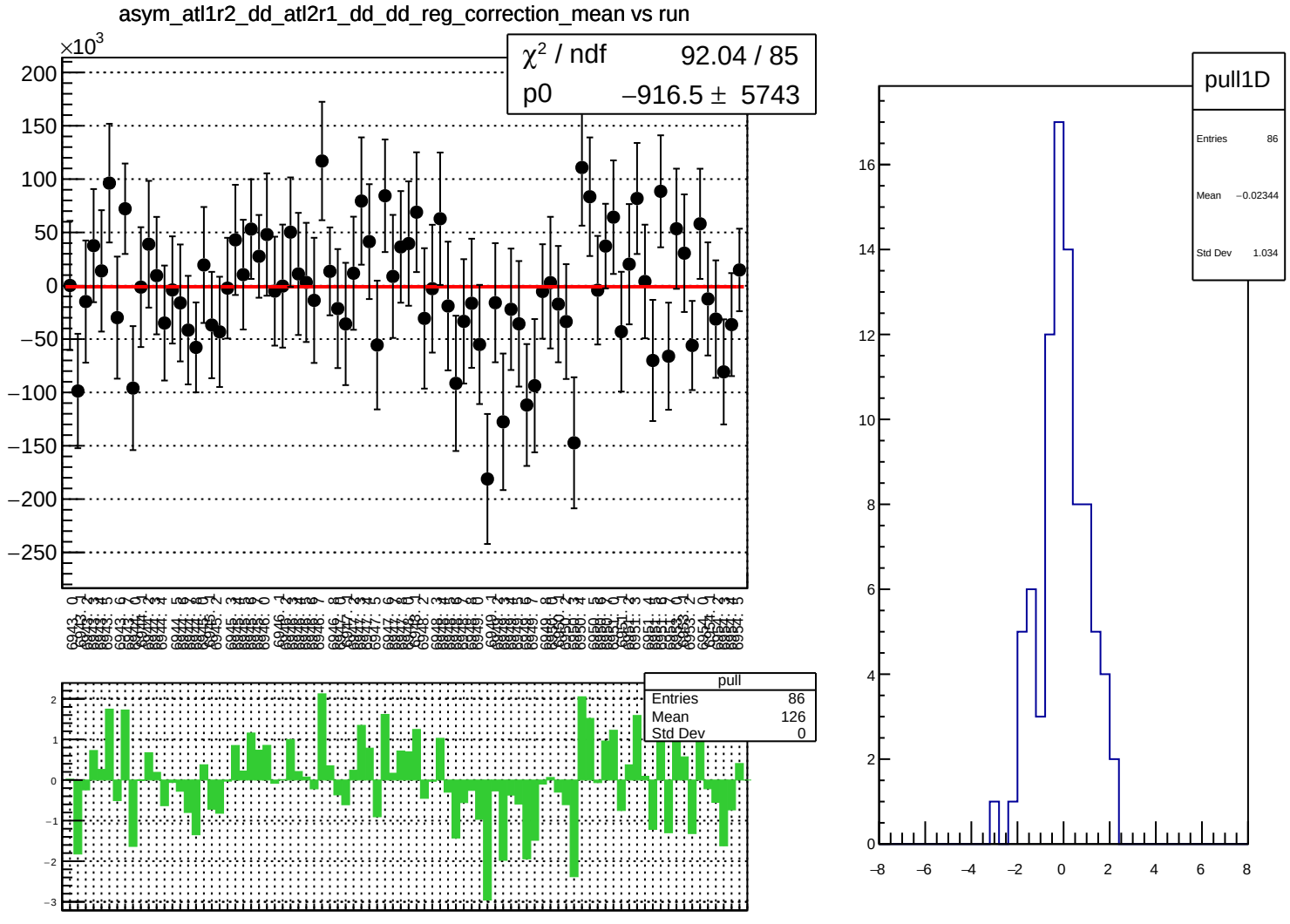

pull1D
Entries 86
Mean −0.01793
Std Dev 1.049

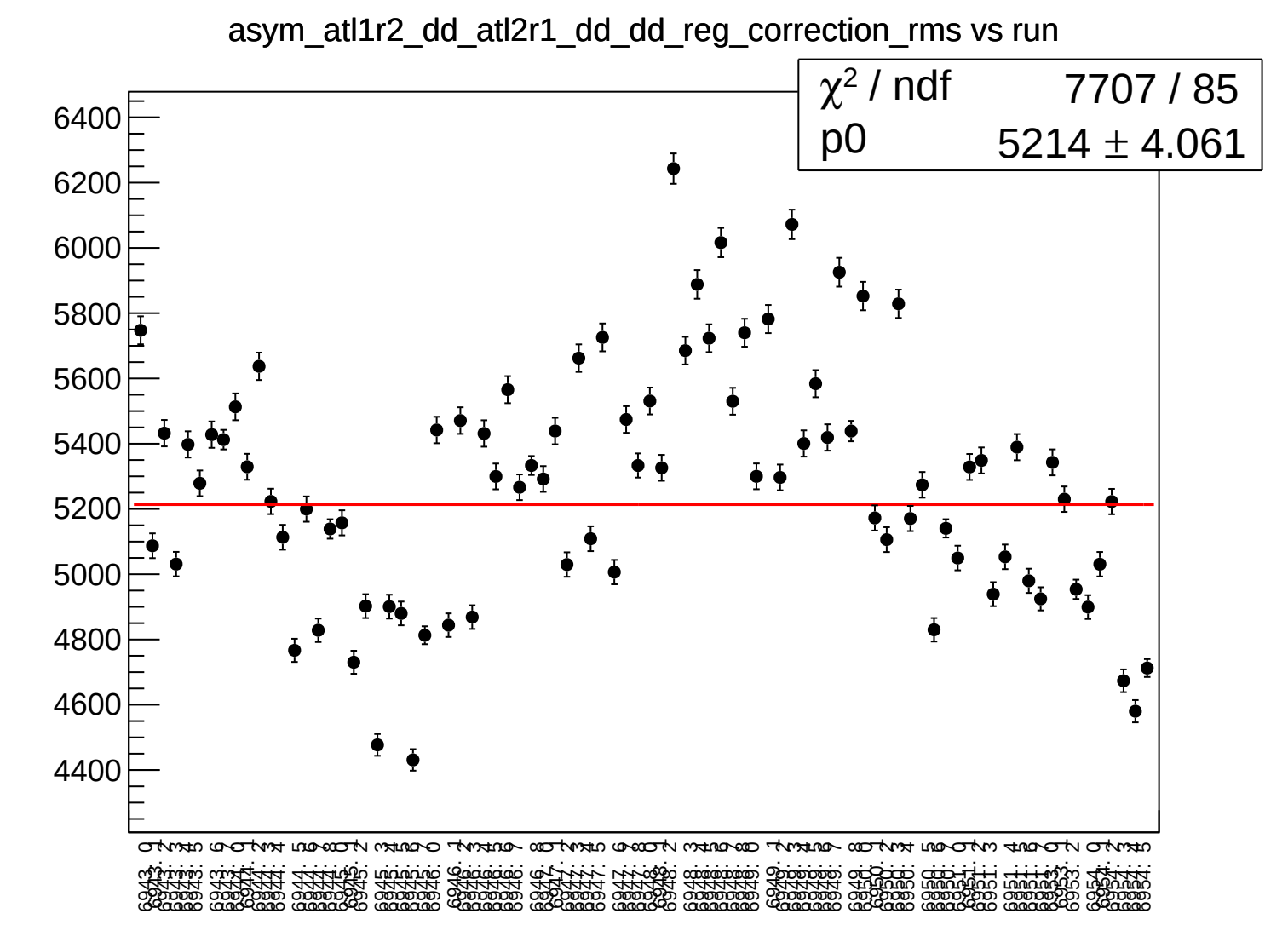

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.796e+05 / 85
p0 5.39e−11 ± 6.553e−14
1
0.8
0.6
0.4
0.2

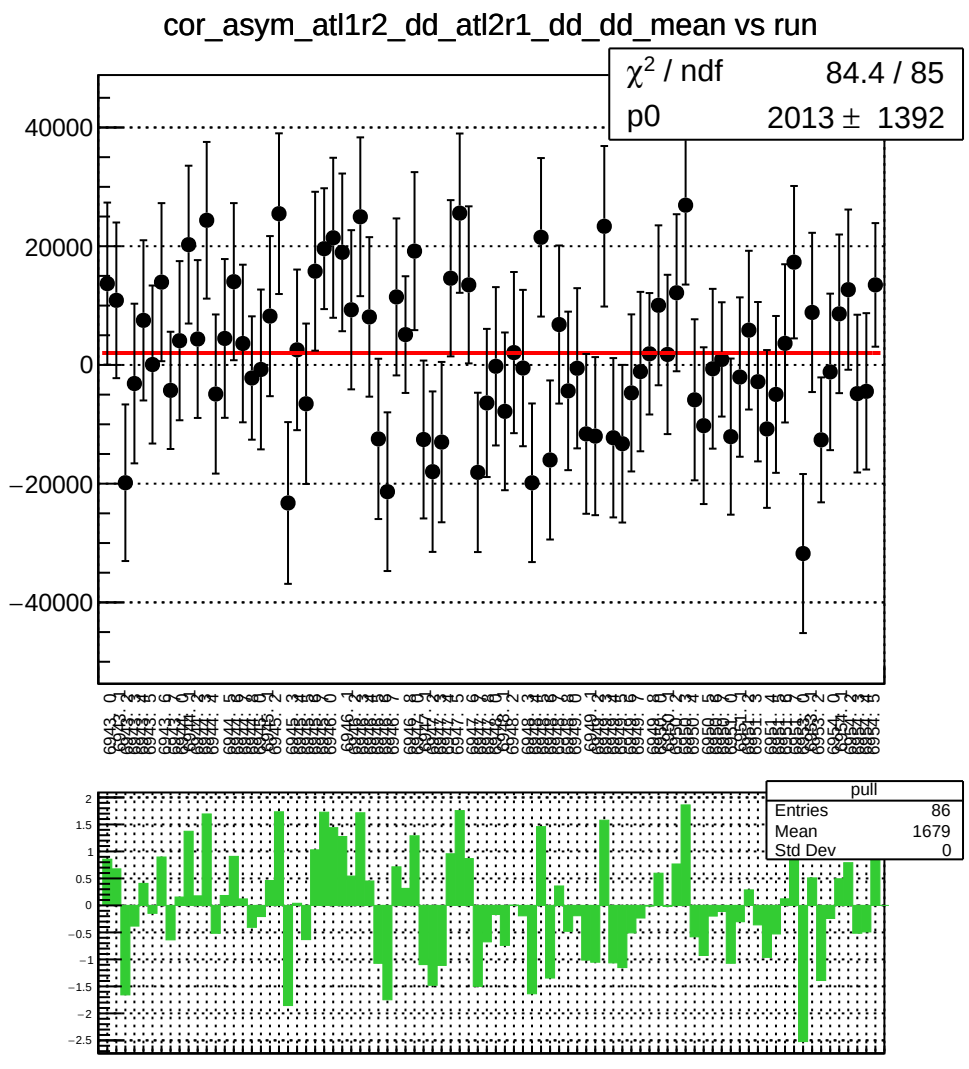

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

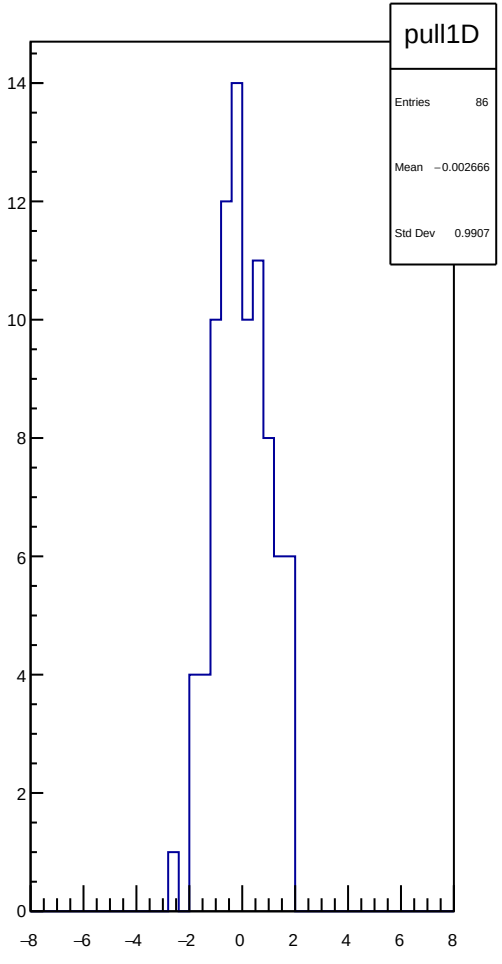

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

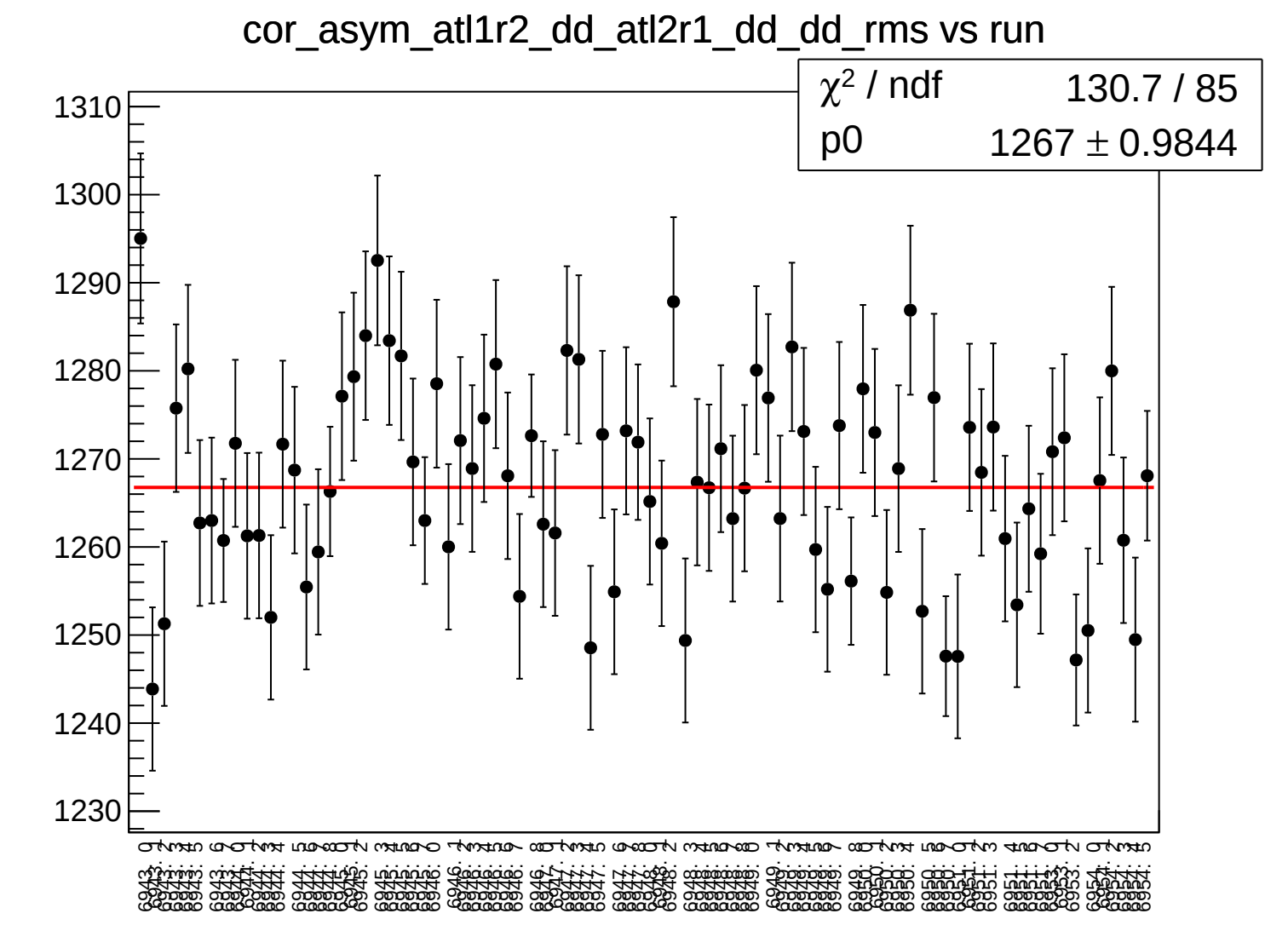

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

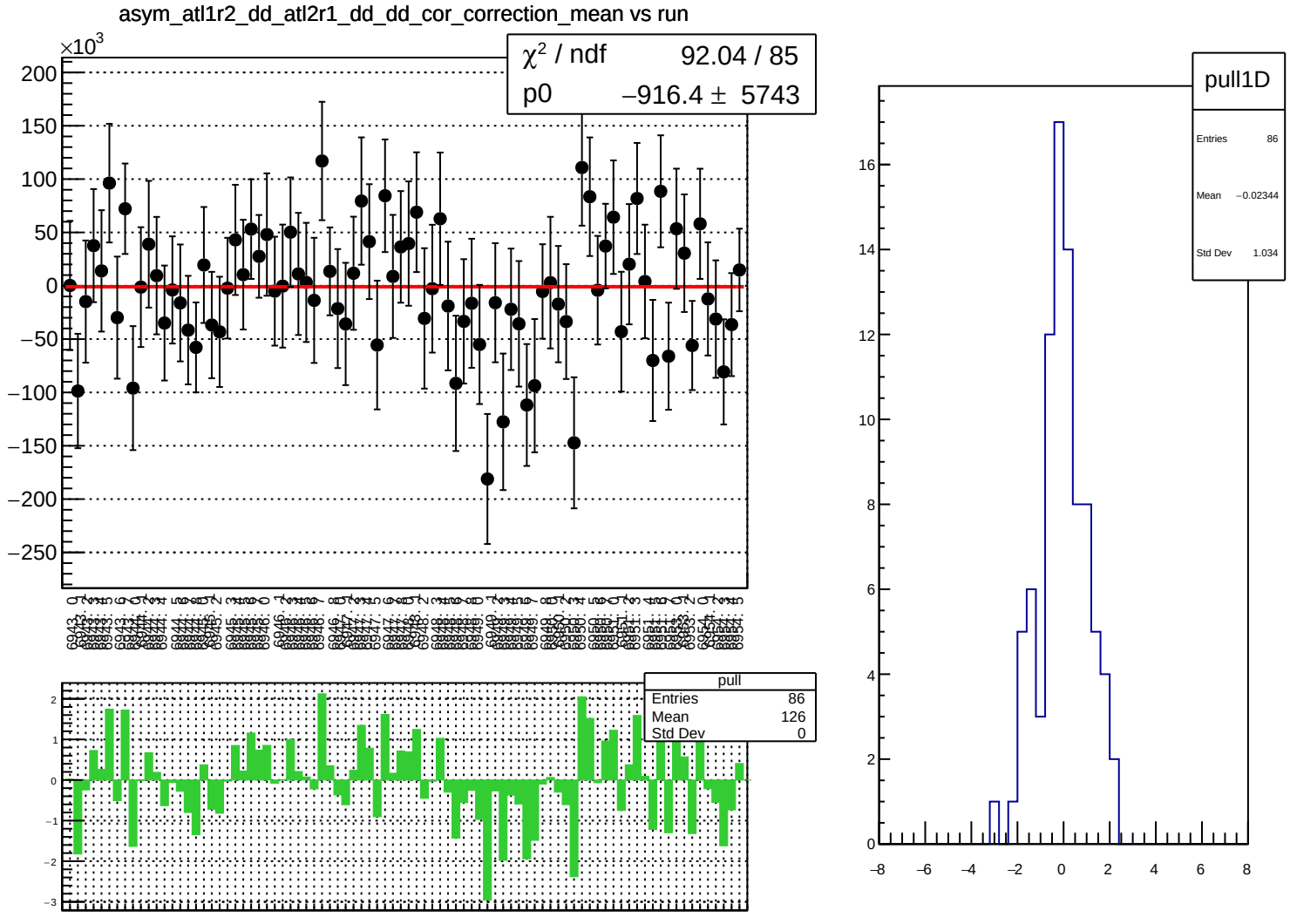

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.5 ± 5743
pull
Entries 86
Mean 126
Std Dev 0
pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

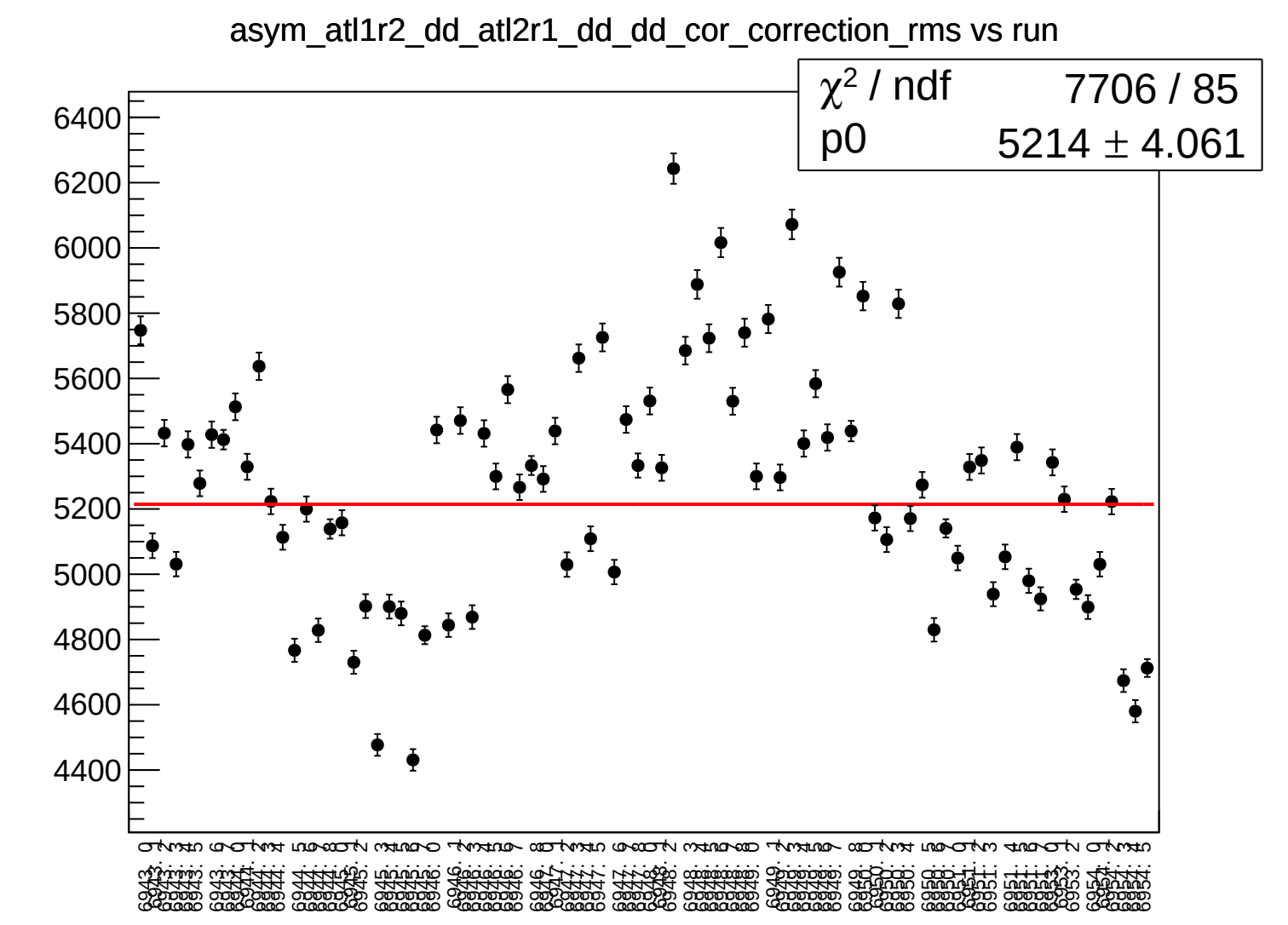

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 7707 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

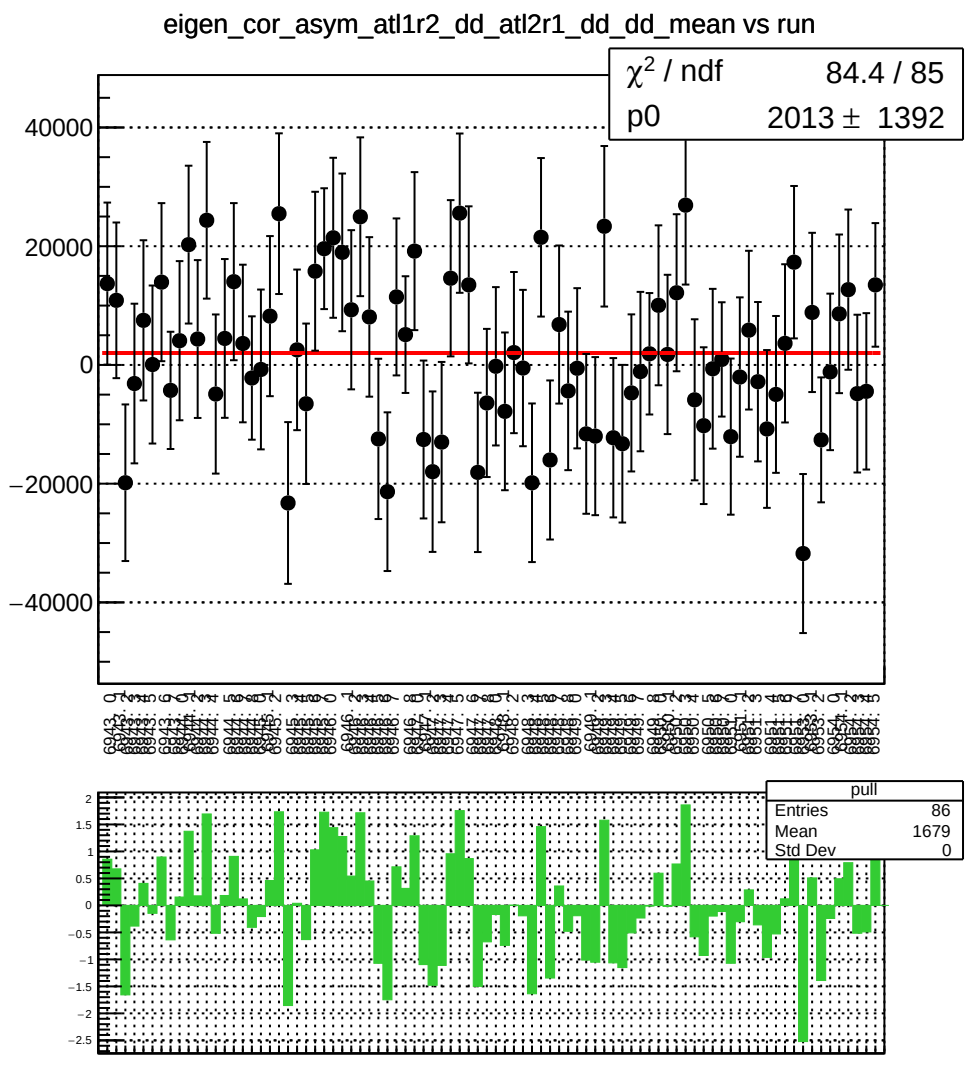

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

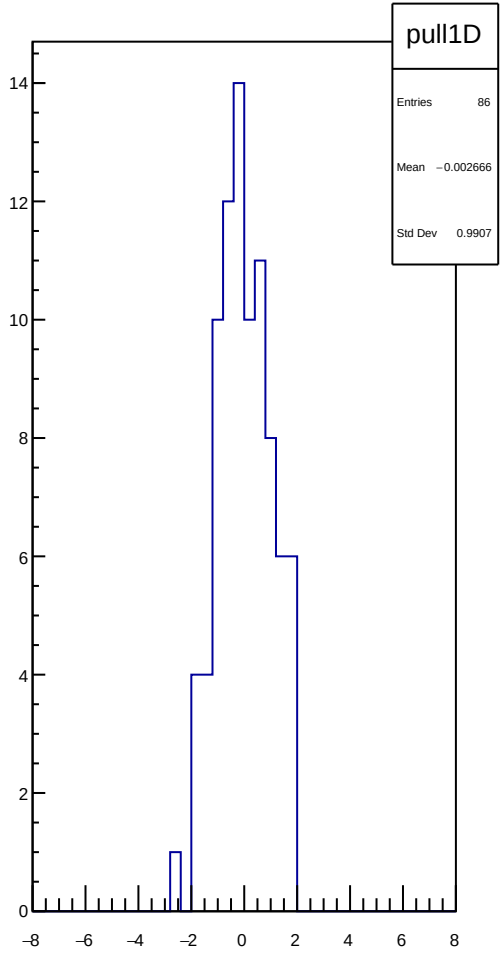

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

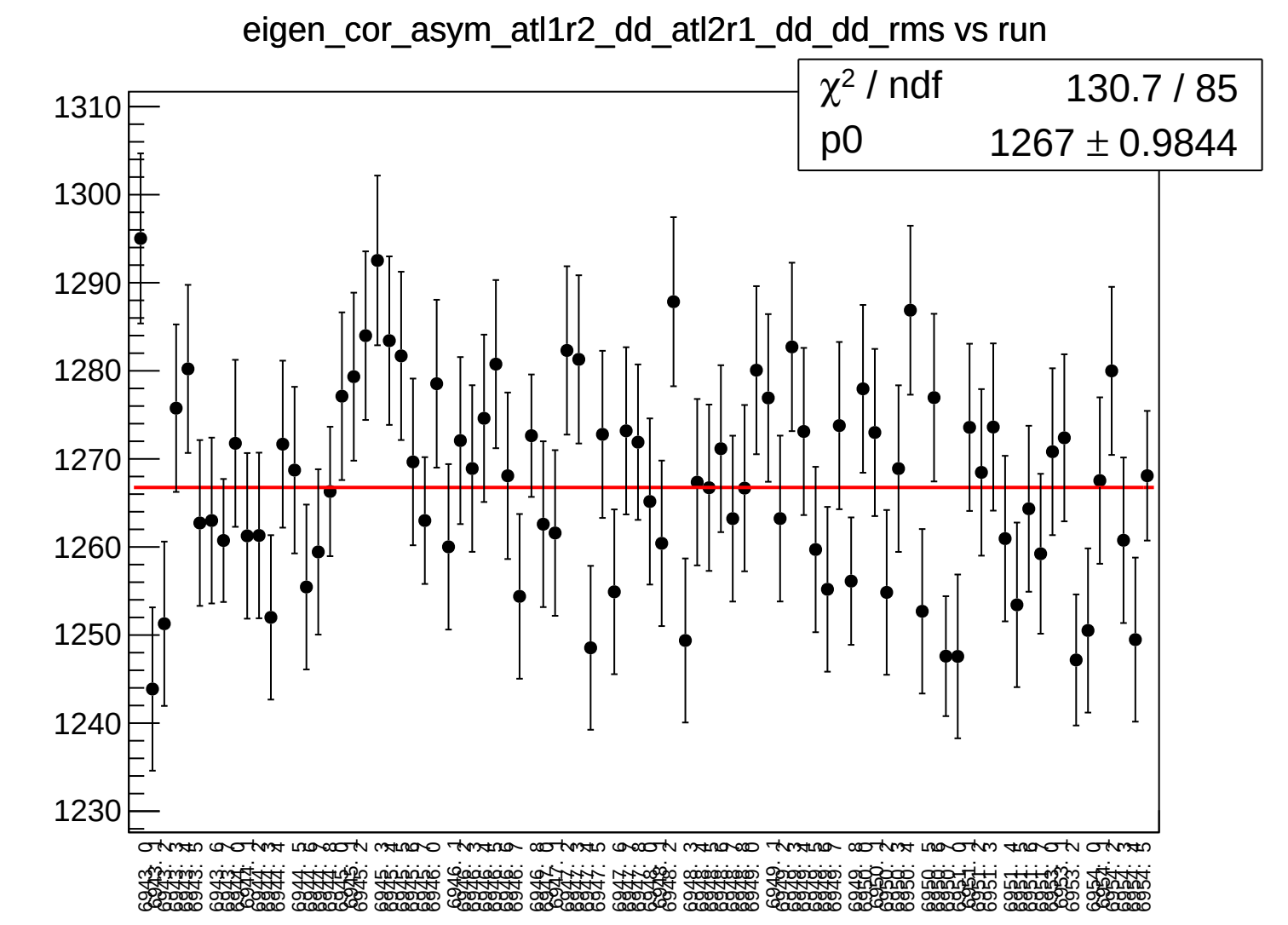

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

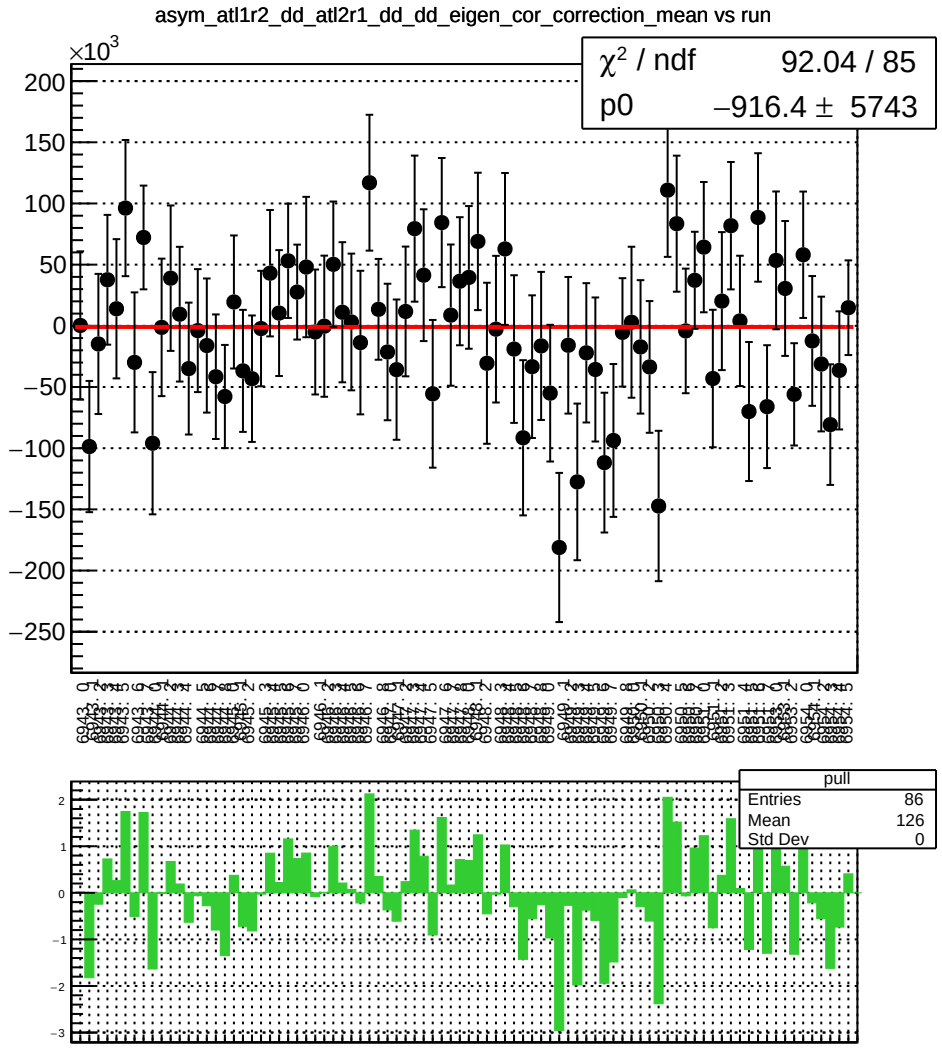

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0
pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

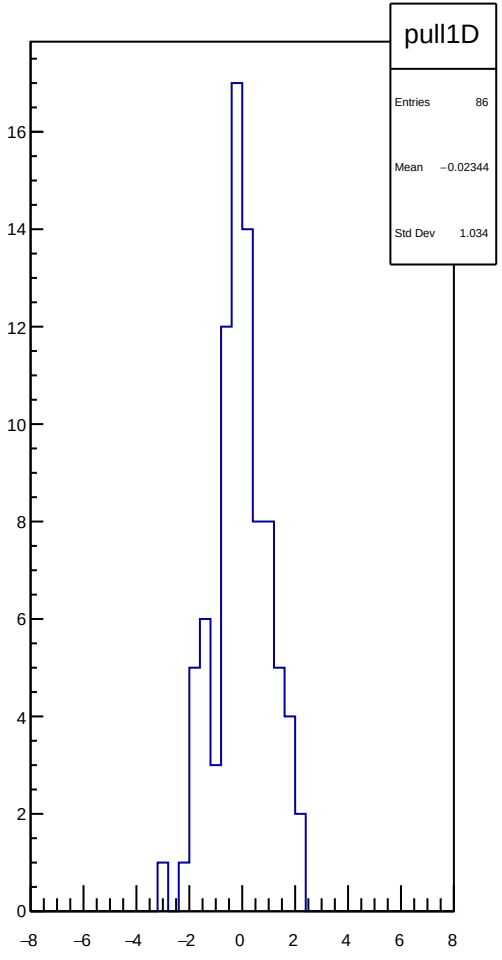

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

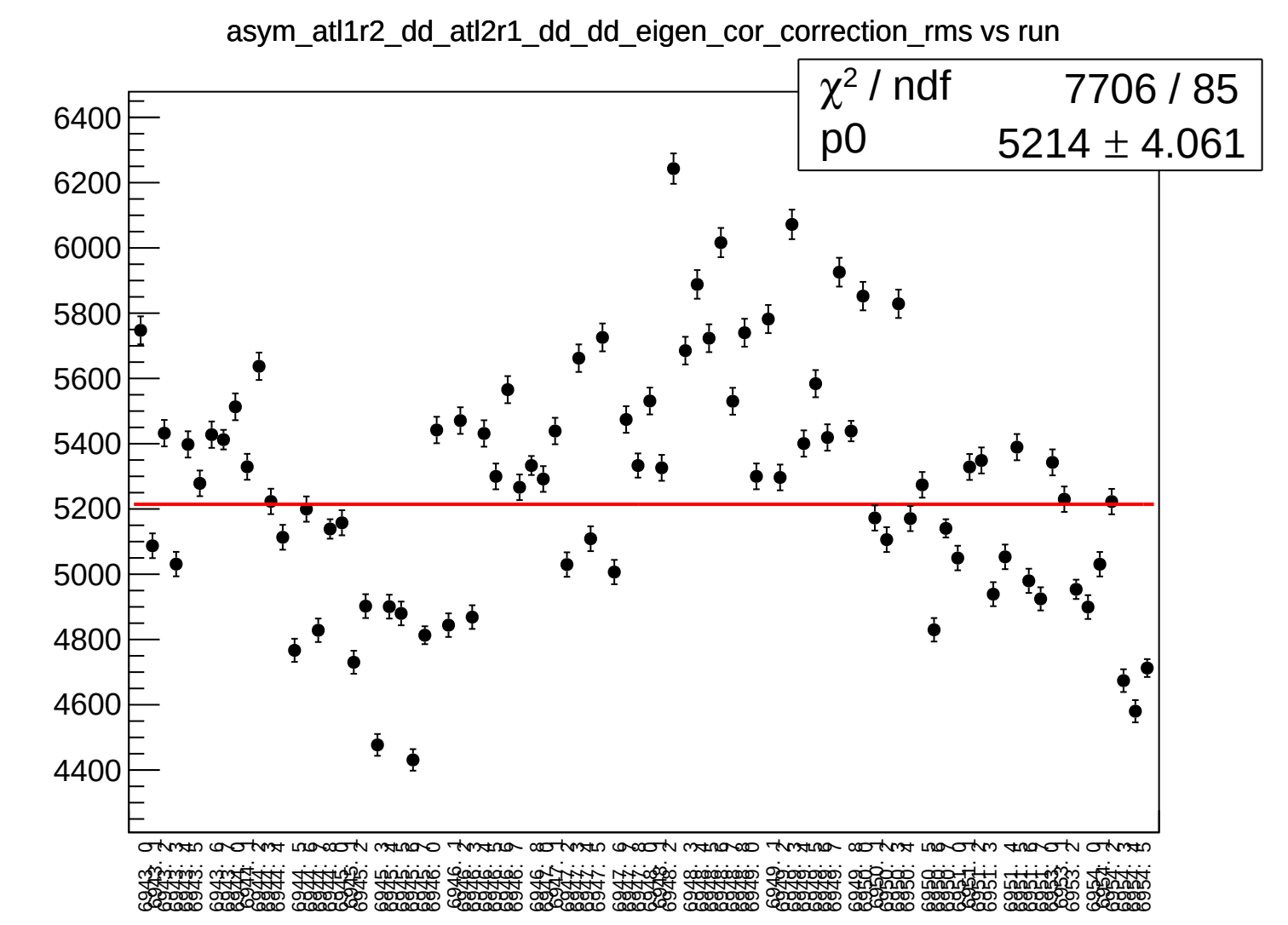

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.4 / 85
p0 2013 ± 1392
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1679
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

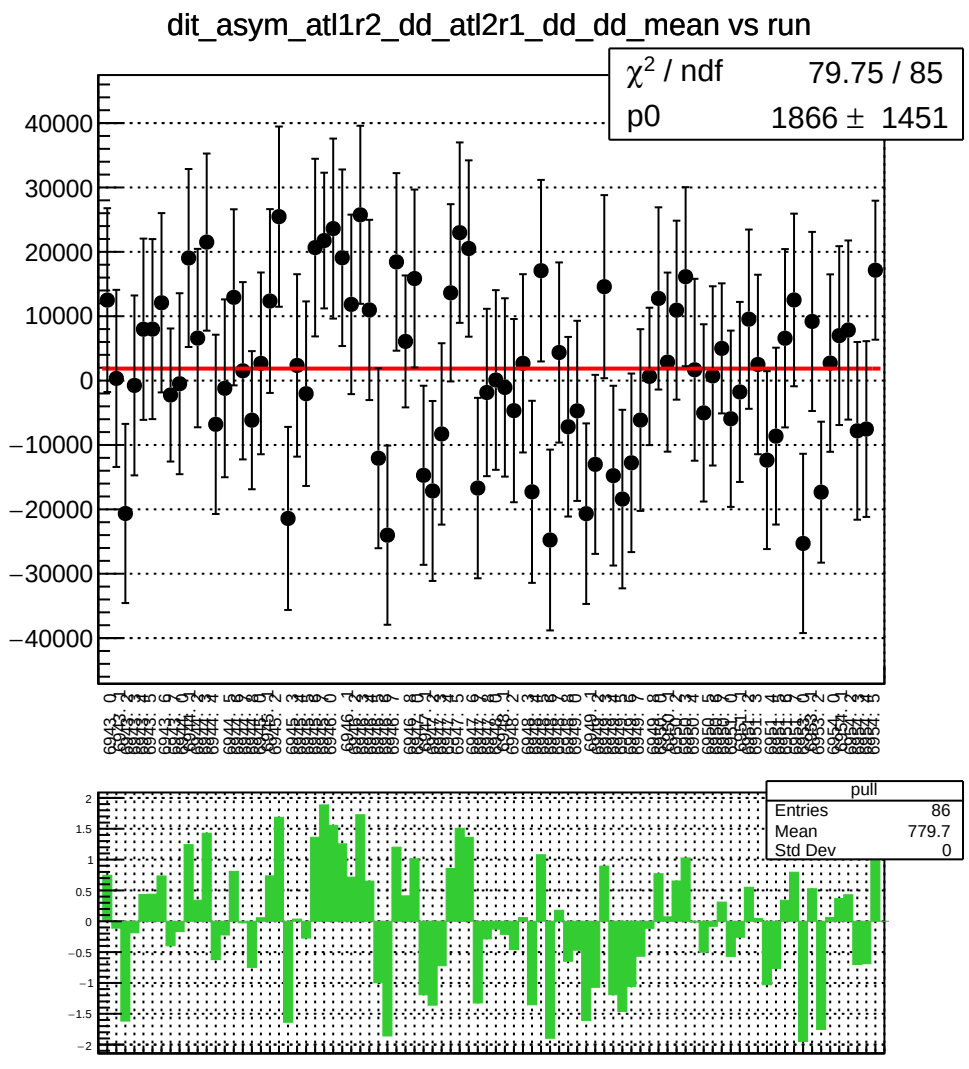

pull1D
Entries 86
Mean −0.002666
Std Dev 0.9907
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

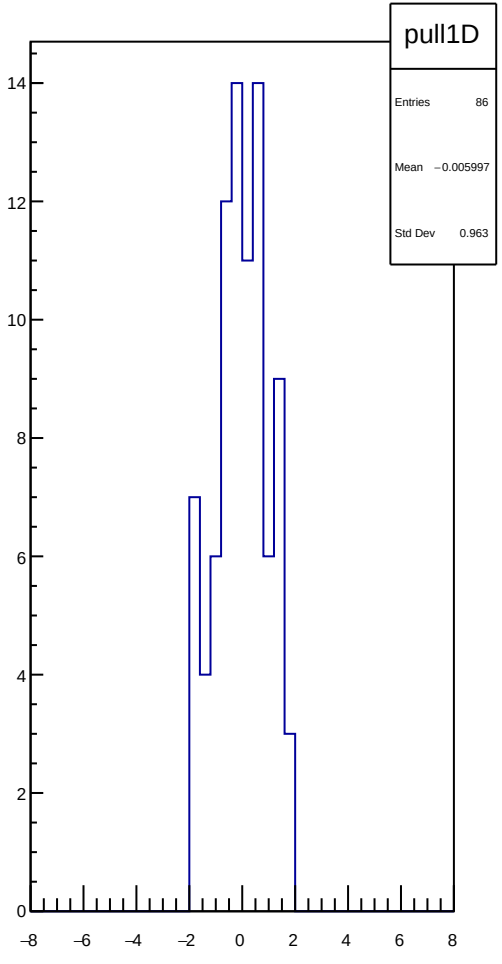

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 130.7 / 85
p0 1267 ± 0.9844
1310
1300
1290
1280
1270
1260
1250
1240
1230

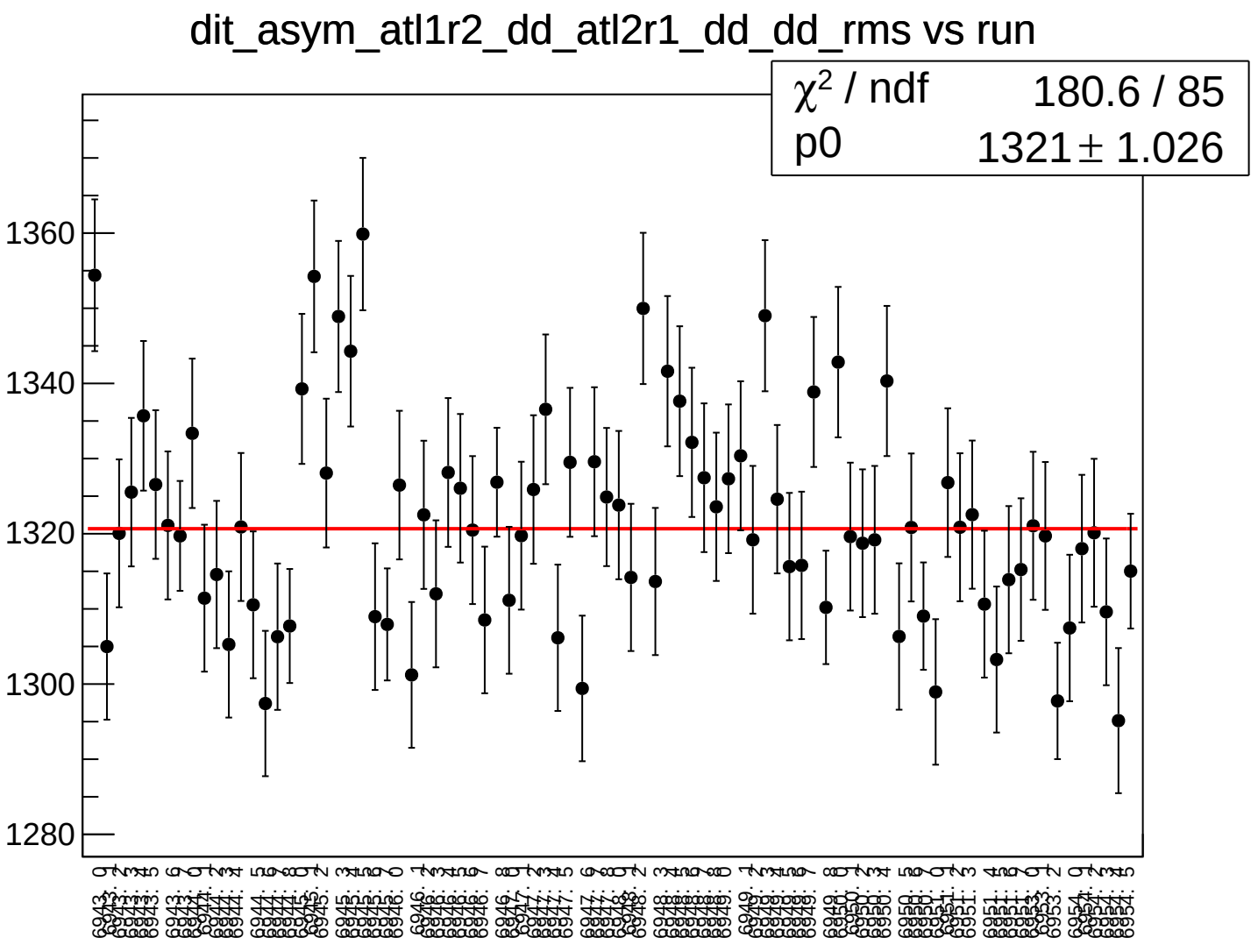

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −916.4 ± 5743
pull
Entries 86
Mean 126
Std Dev 0

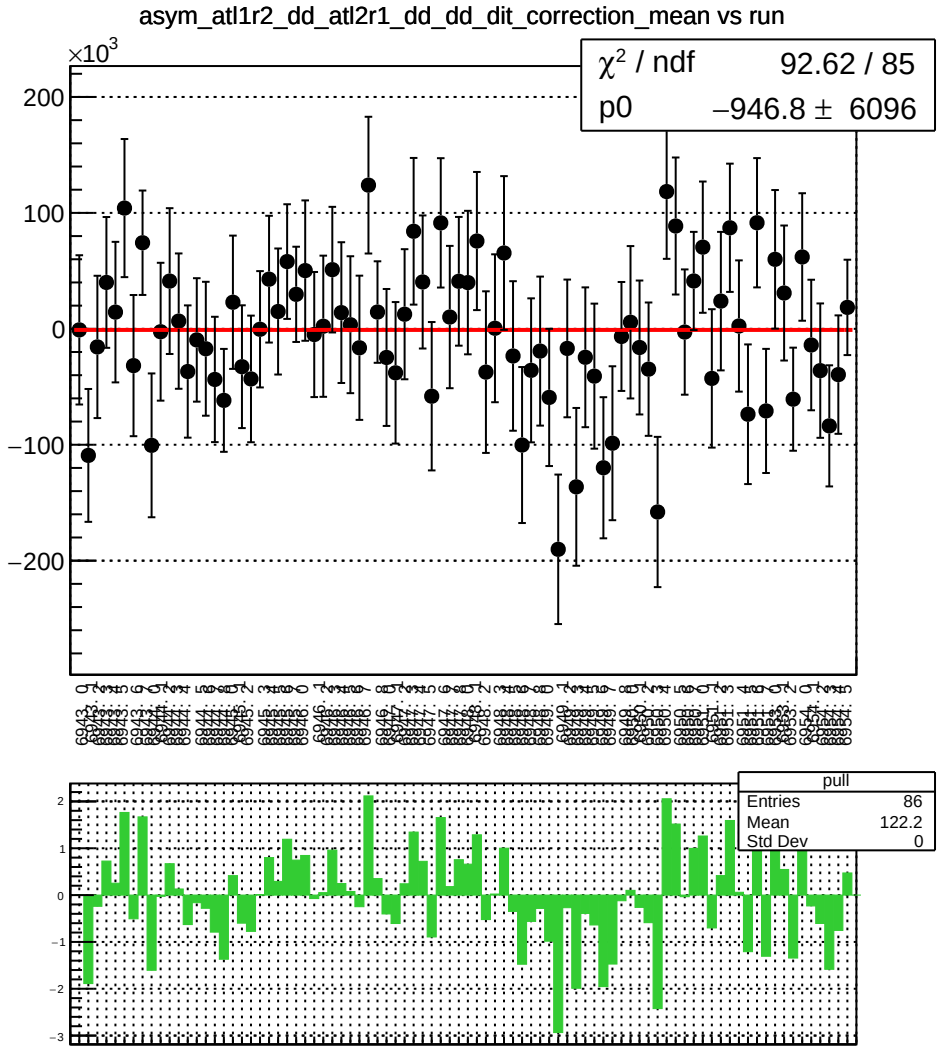

pull1D
Entries 86
Mean −0.02344
Std Dev 1.034

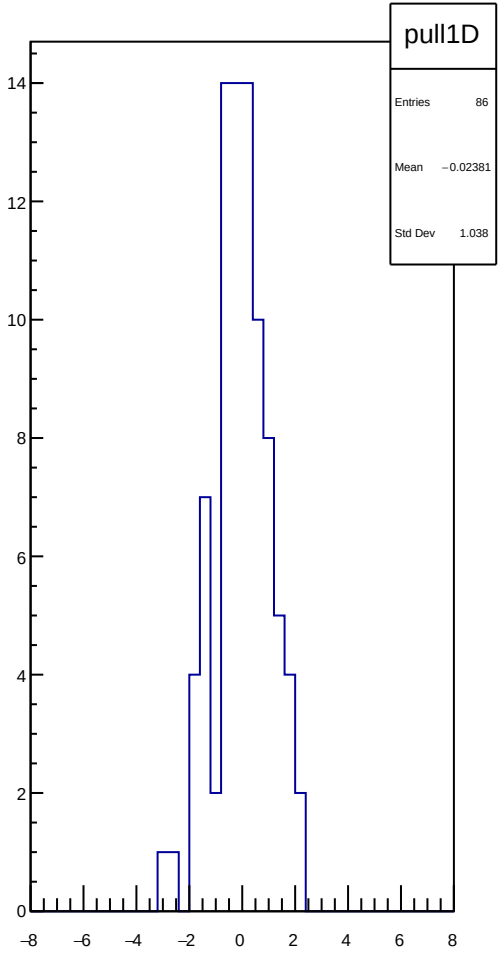

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7706 / 85
p0 5214 ± 4.061
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

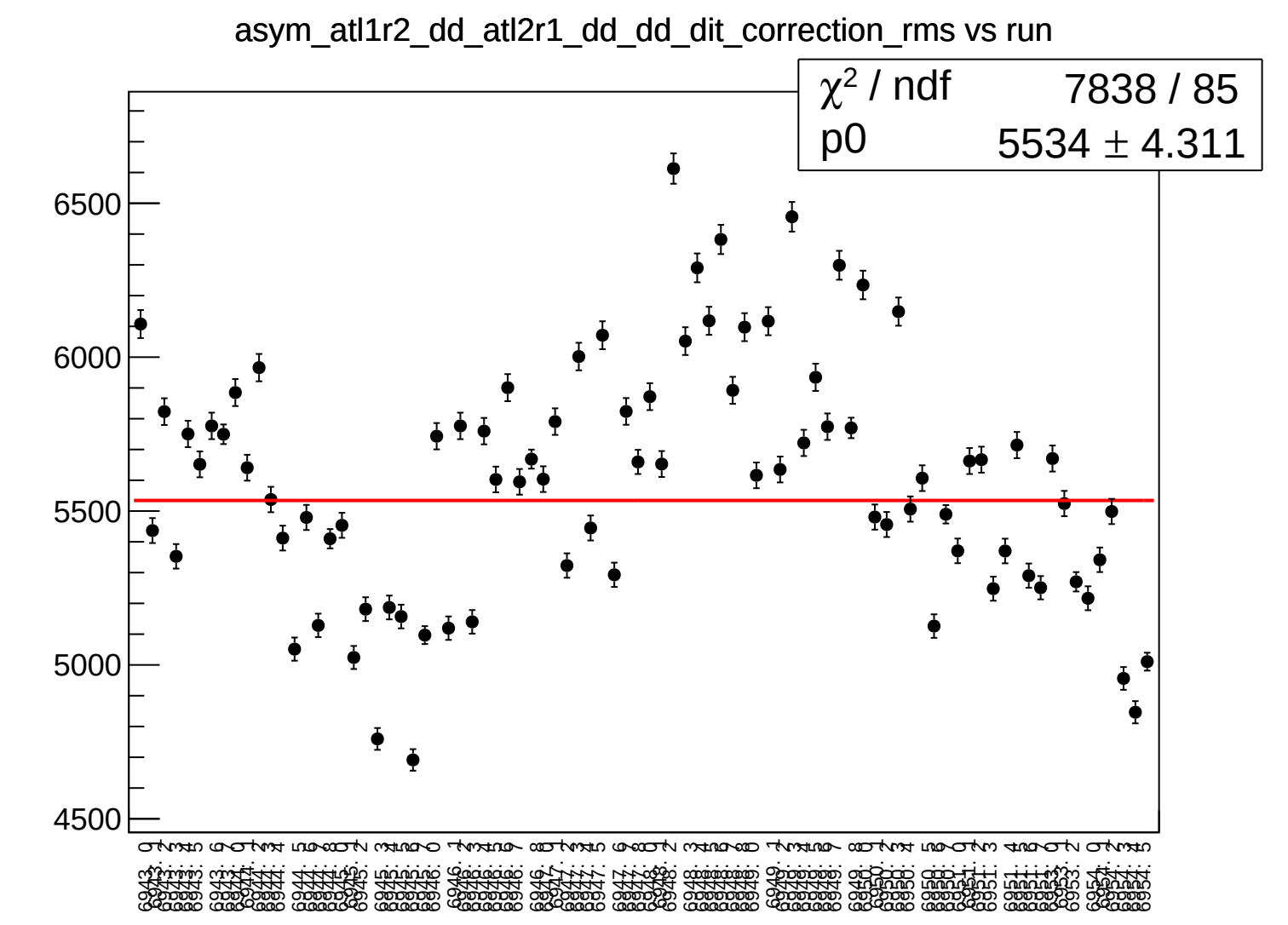

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

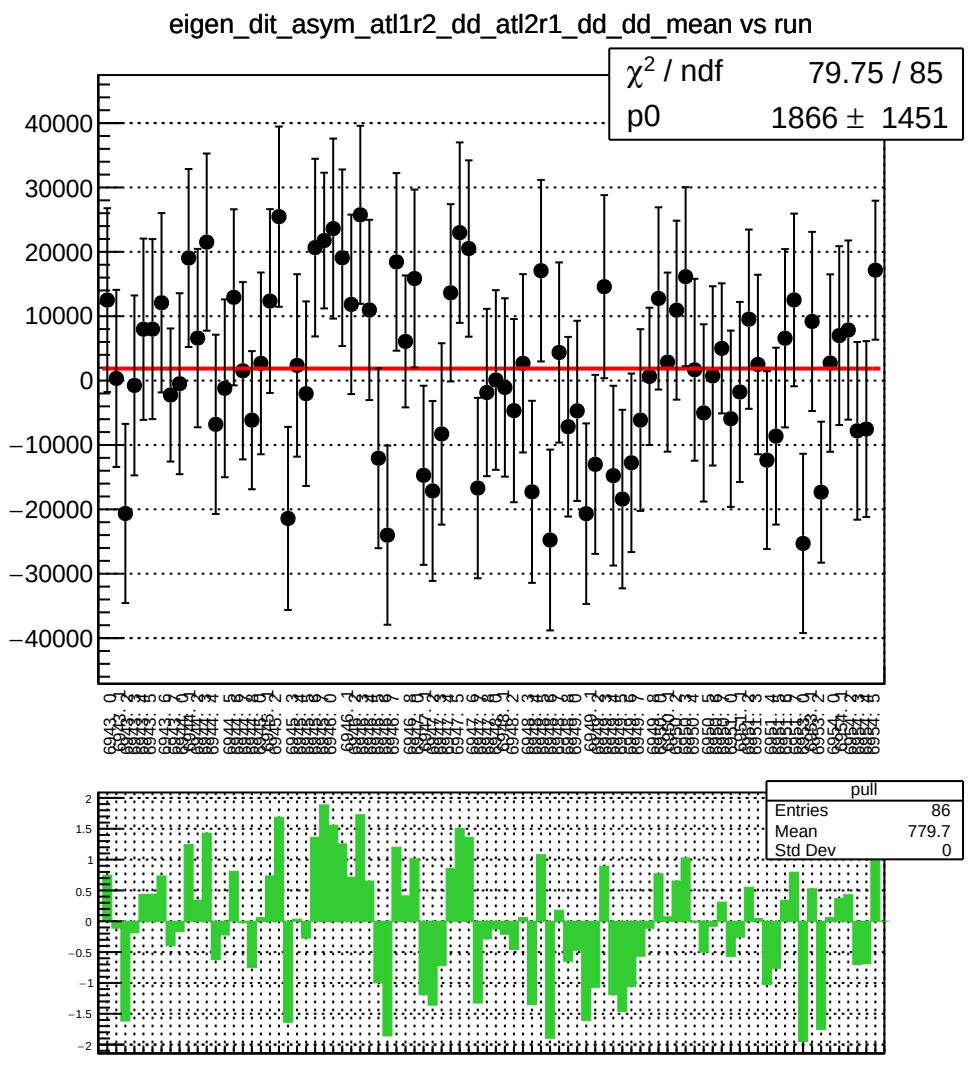

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

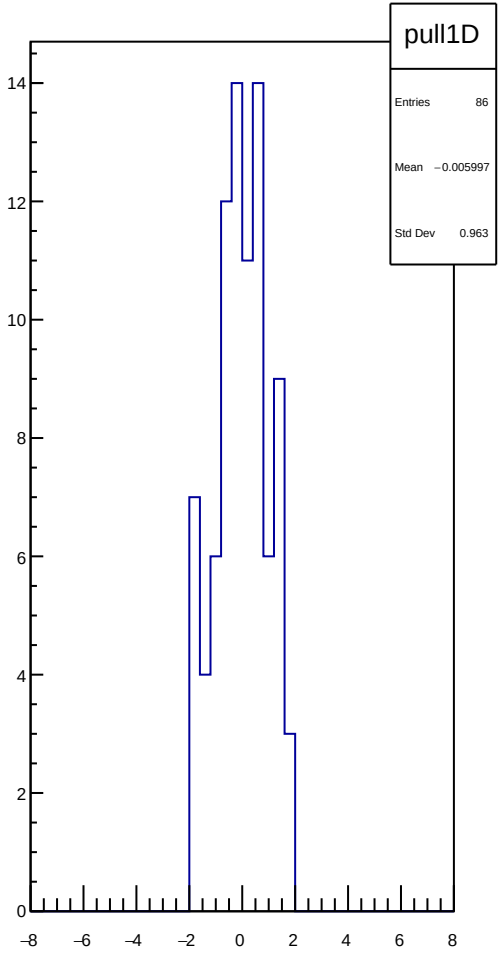

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ^2 / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

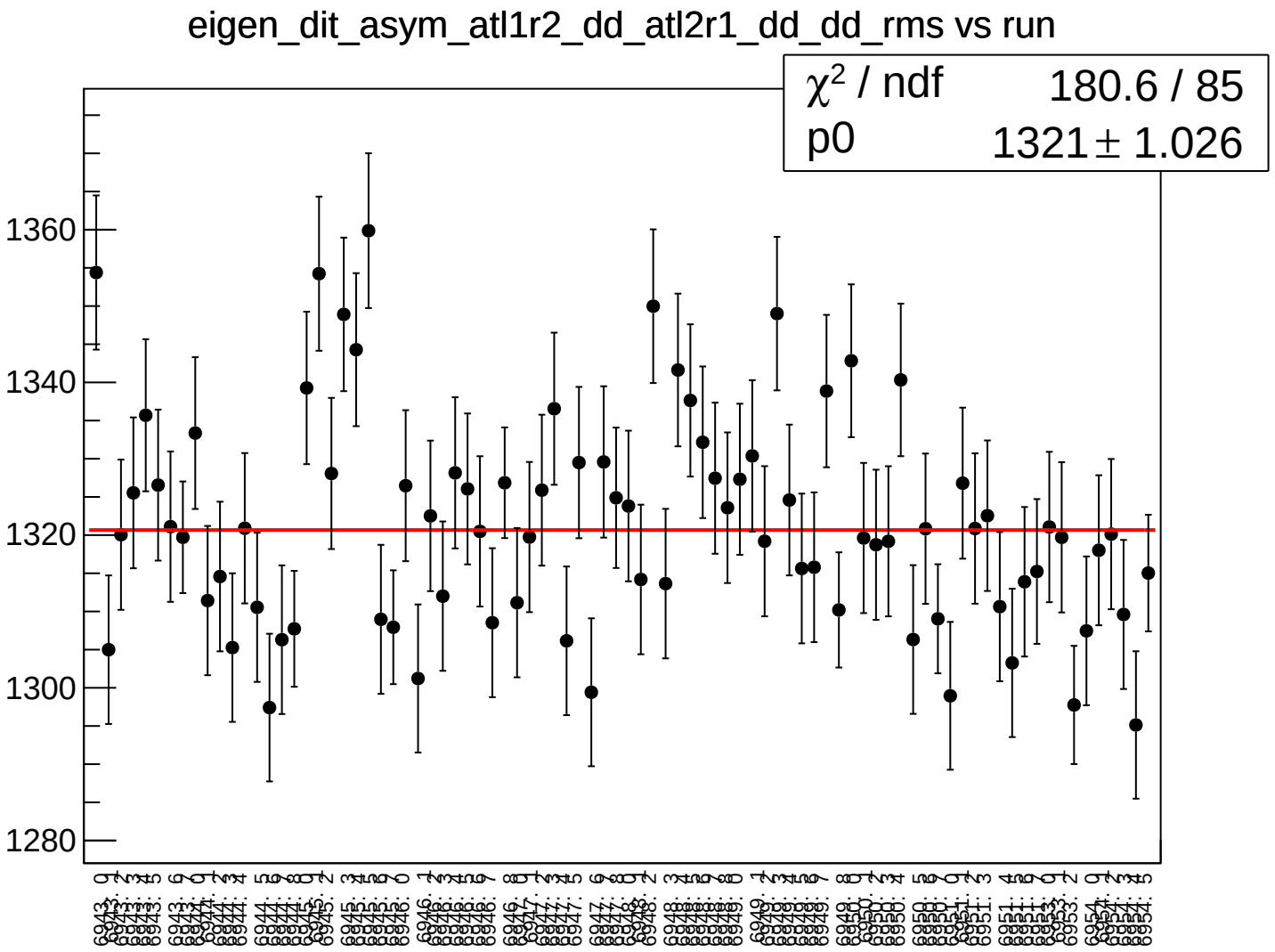

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3

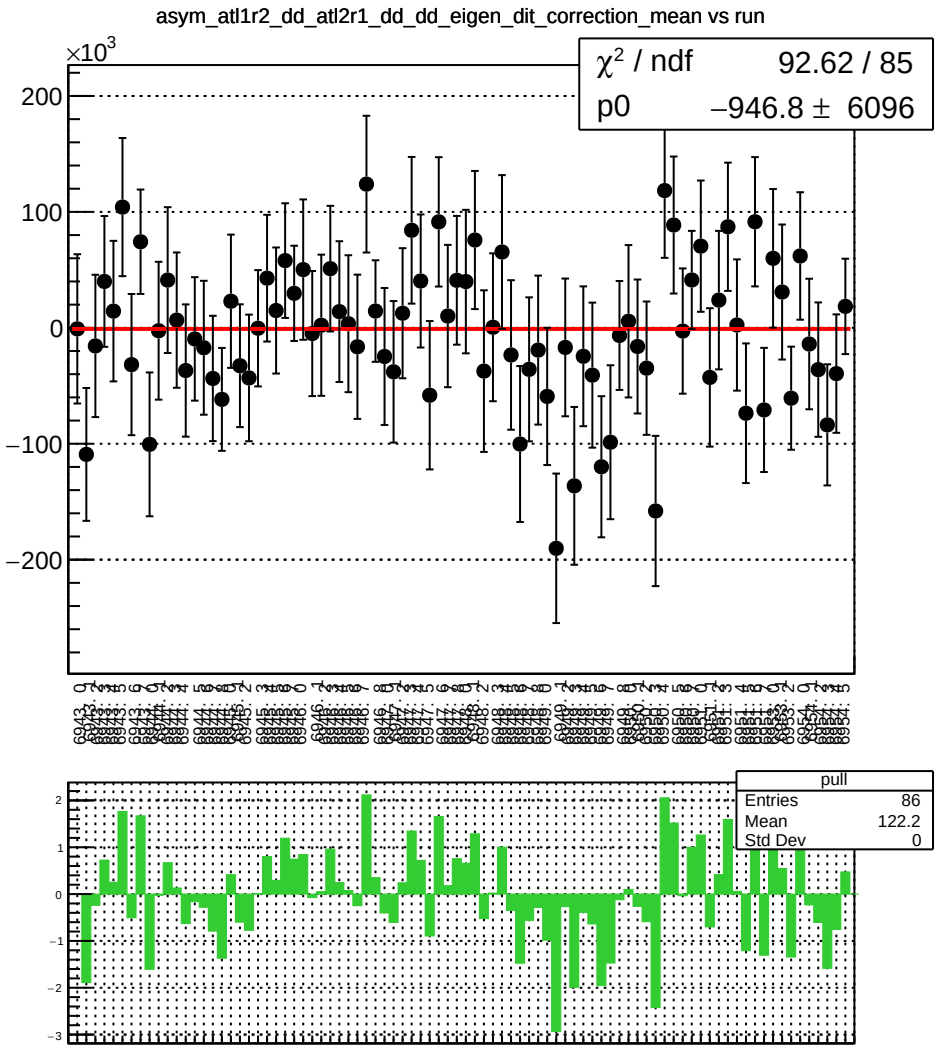

pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

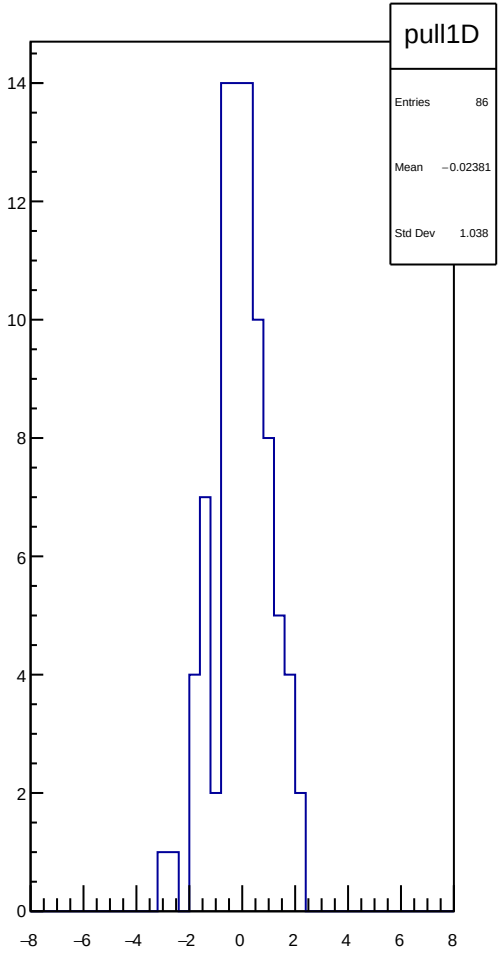

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

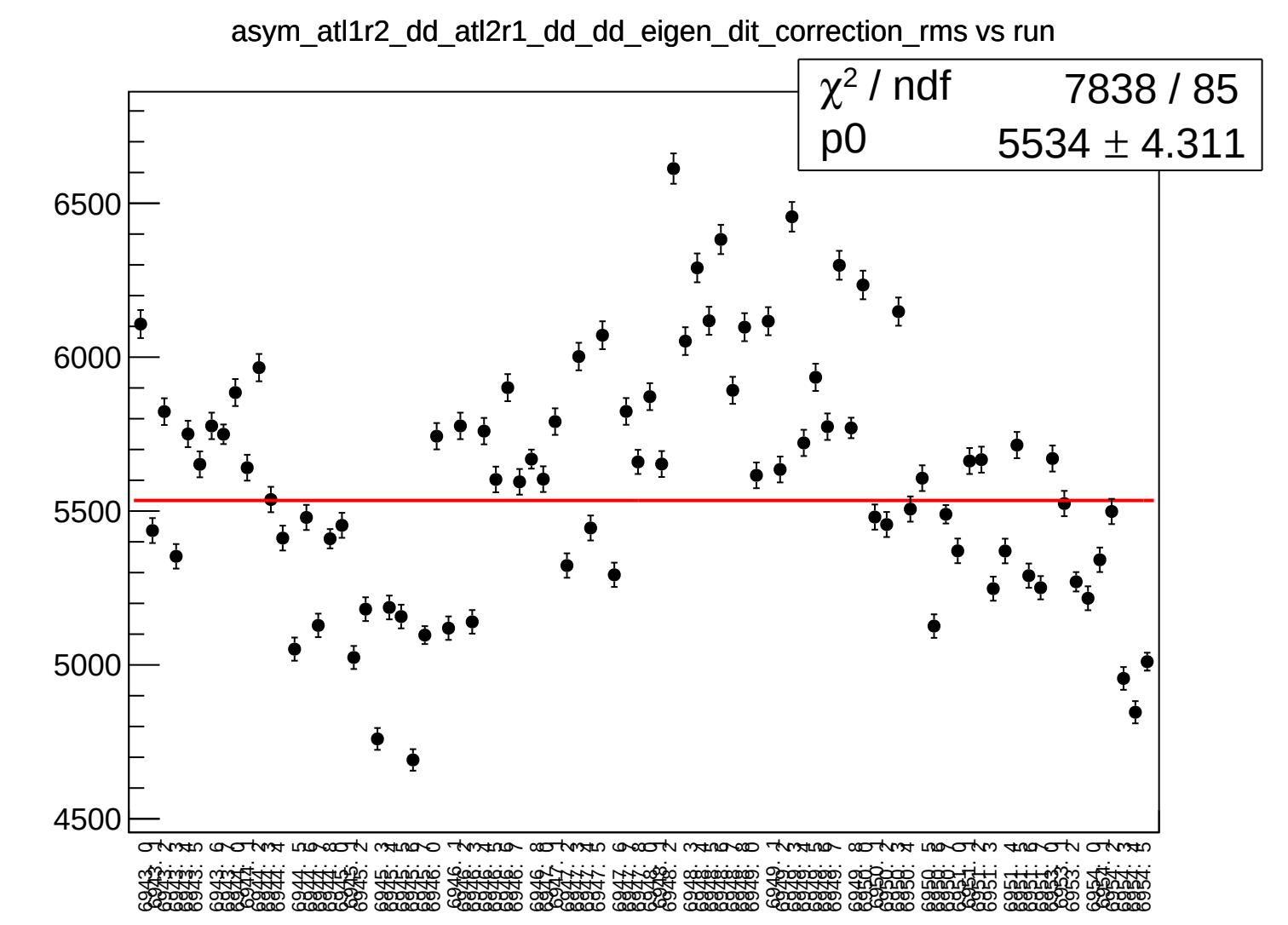

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 79.75 / 85
p0 1866 ± 1451
pull
Entries 86
Mean 779.7
Std Dev 0

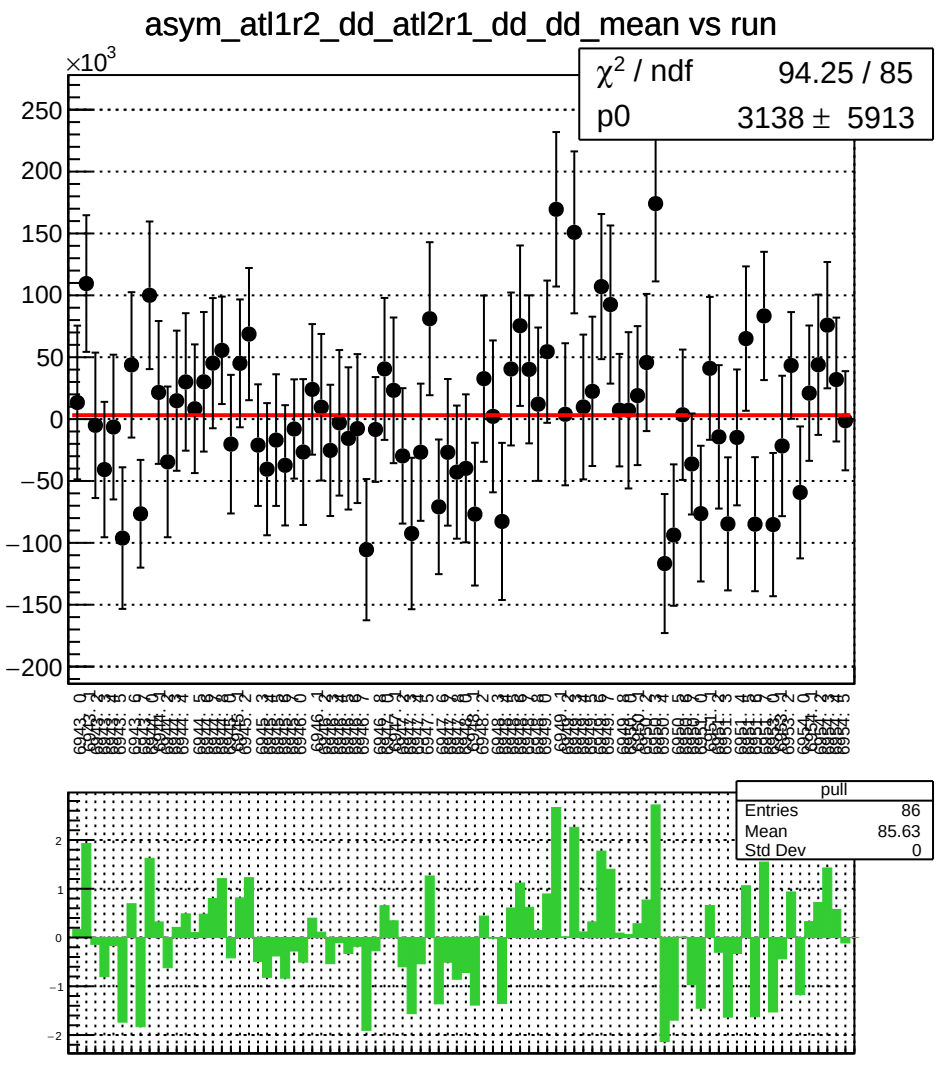

pull1D
Entries 86
Mean −0.005997
Std Dev 0.963

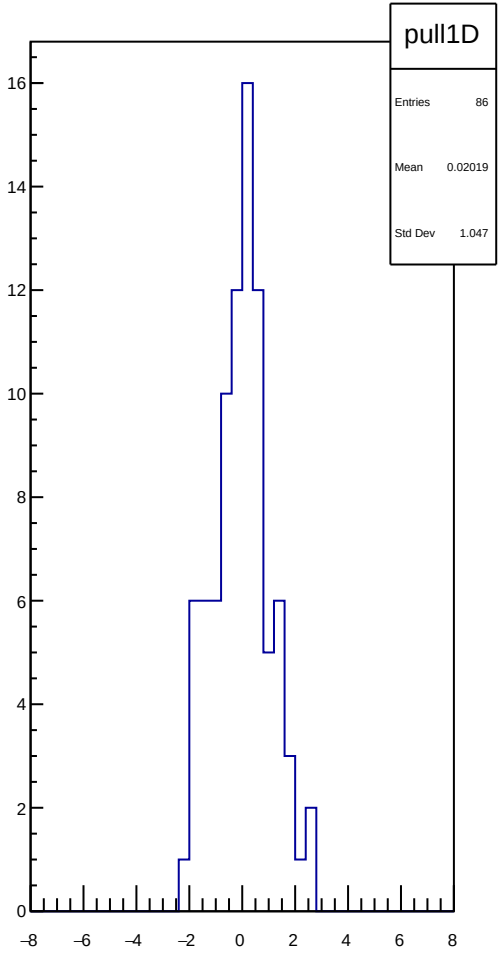

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 180.6 / 85
p0 1321 ± 1.026
1360
1340
1320
1300
1280

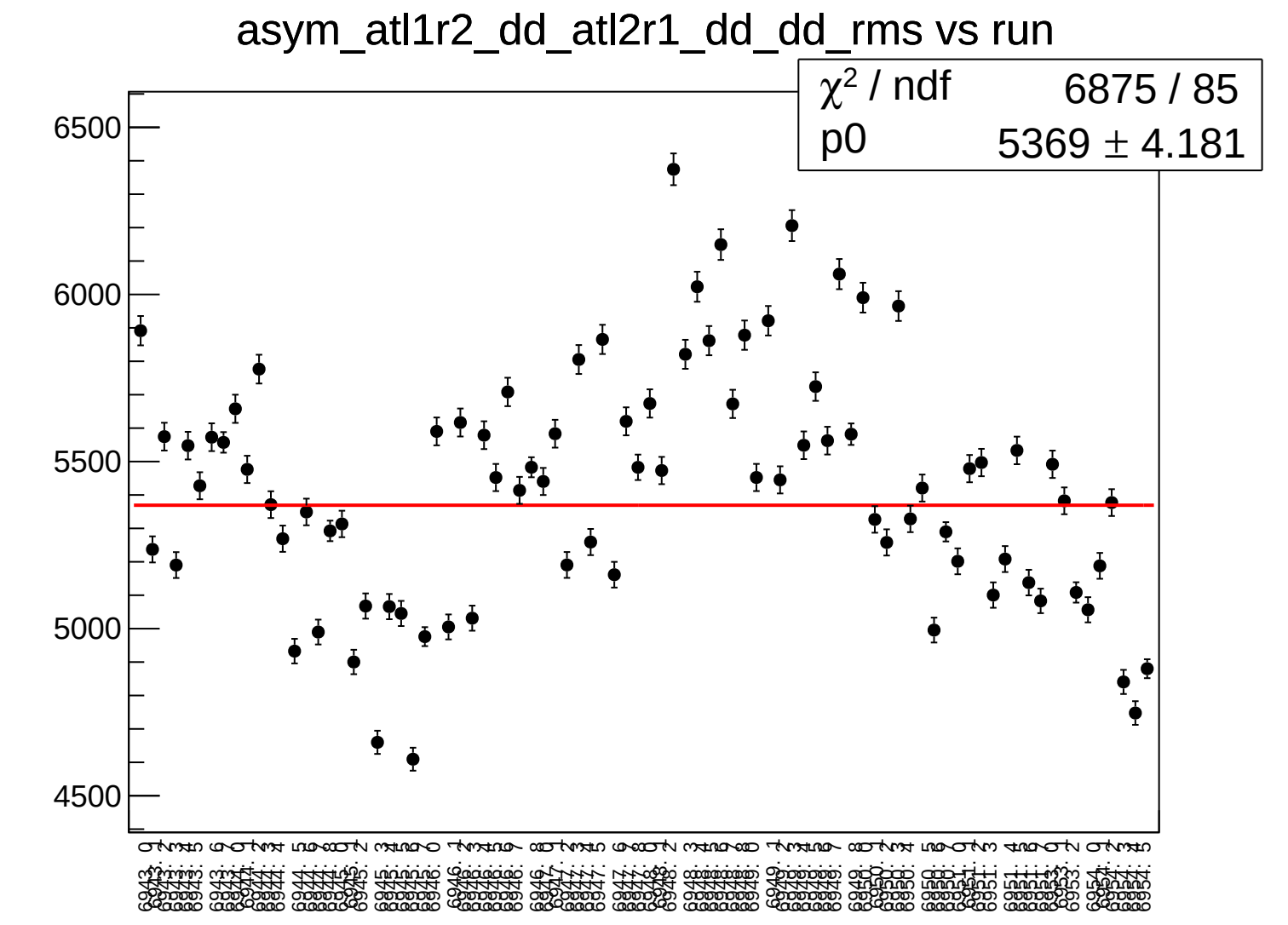

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 −946.8 ± 6096
200
100
0
−100
−200
pull
Entries 86
Mean 122.2
Std Dev 0
2
1
0
−1
−2
−3

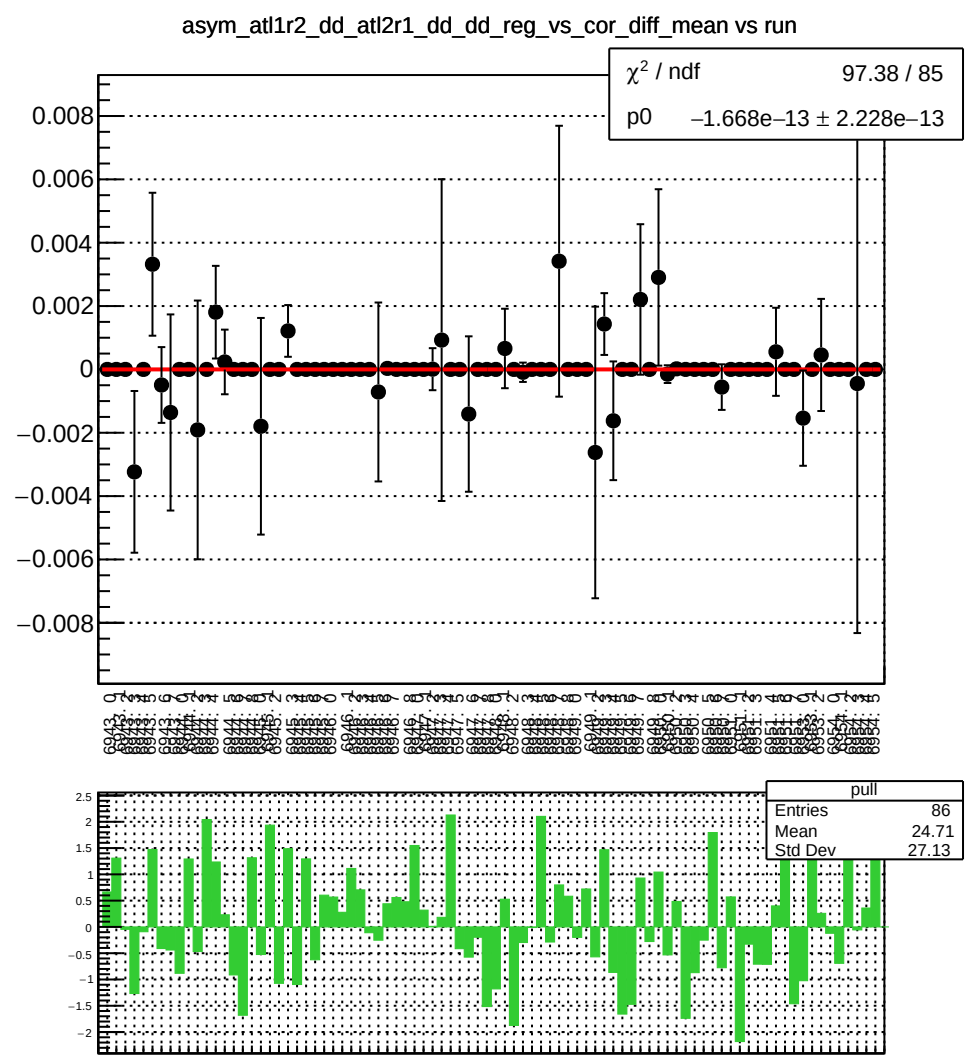

pull1D
Entries 86
Mean −0.02381
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

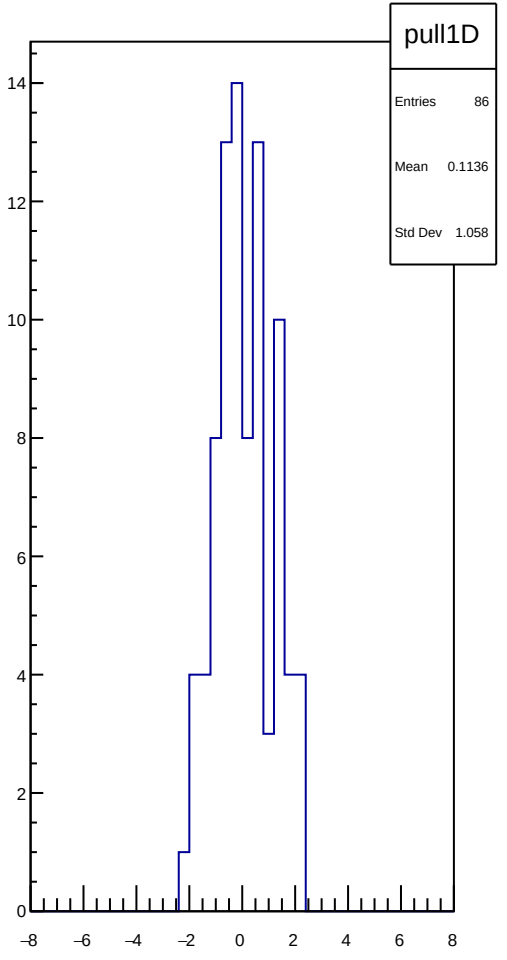

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7838 / 85
p0 5534 ± 4.311
6500
6000
5500
5000
4500

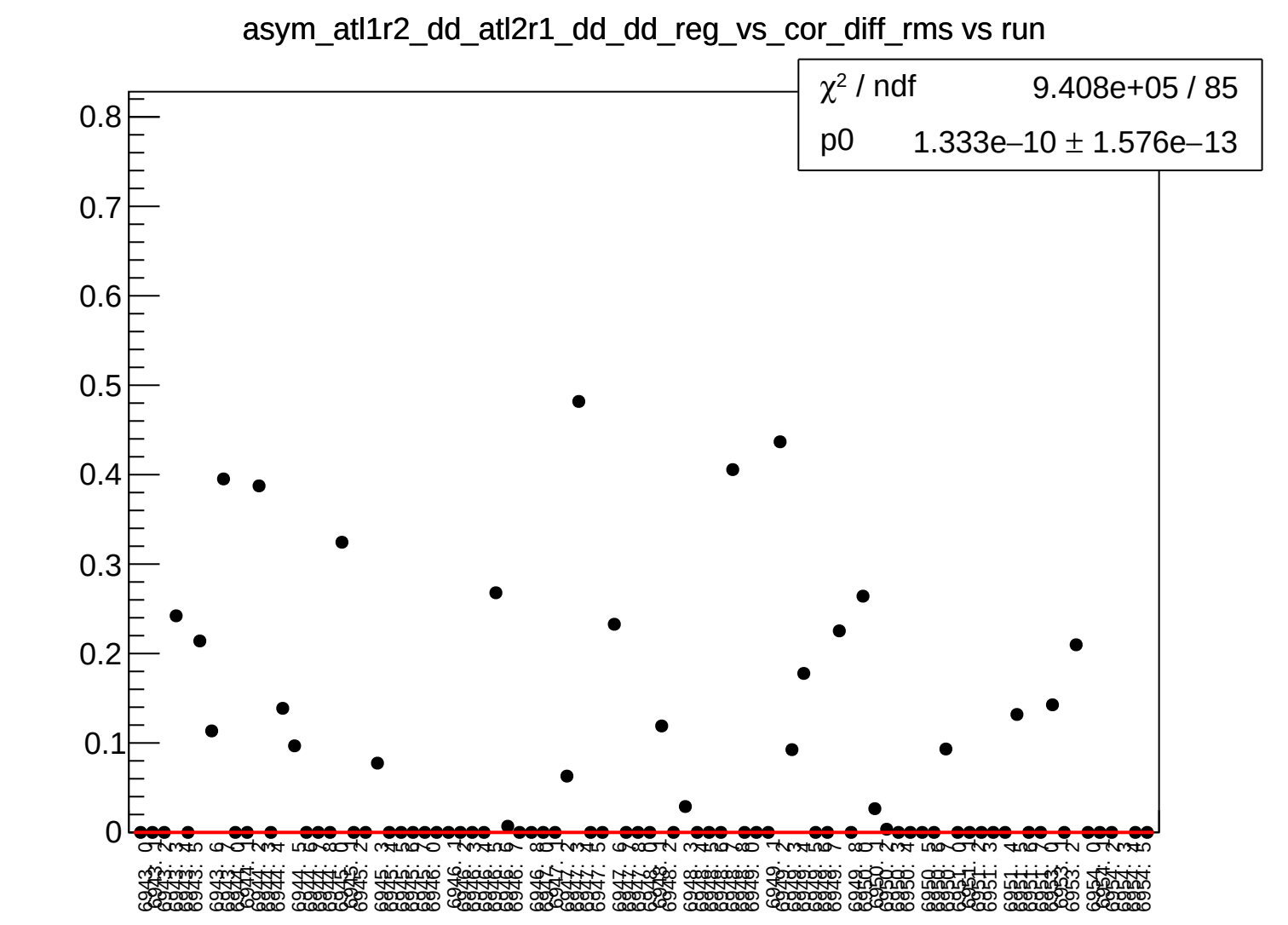

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 94.25 / 85
p0 3138 ± 5913
pull
Entries 86
Mean 85.63
Std Dev 0

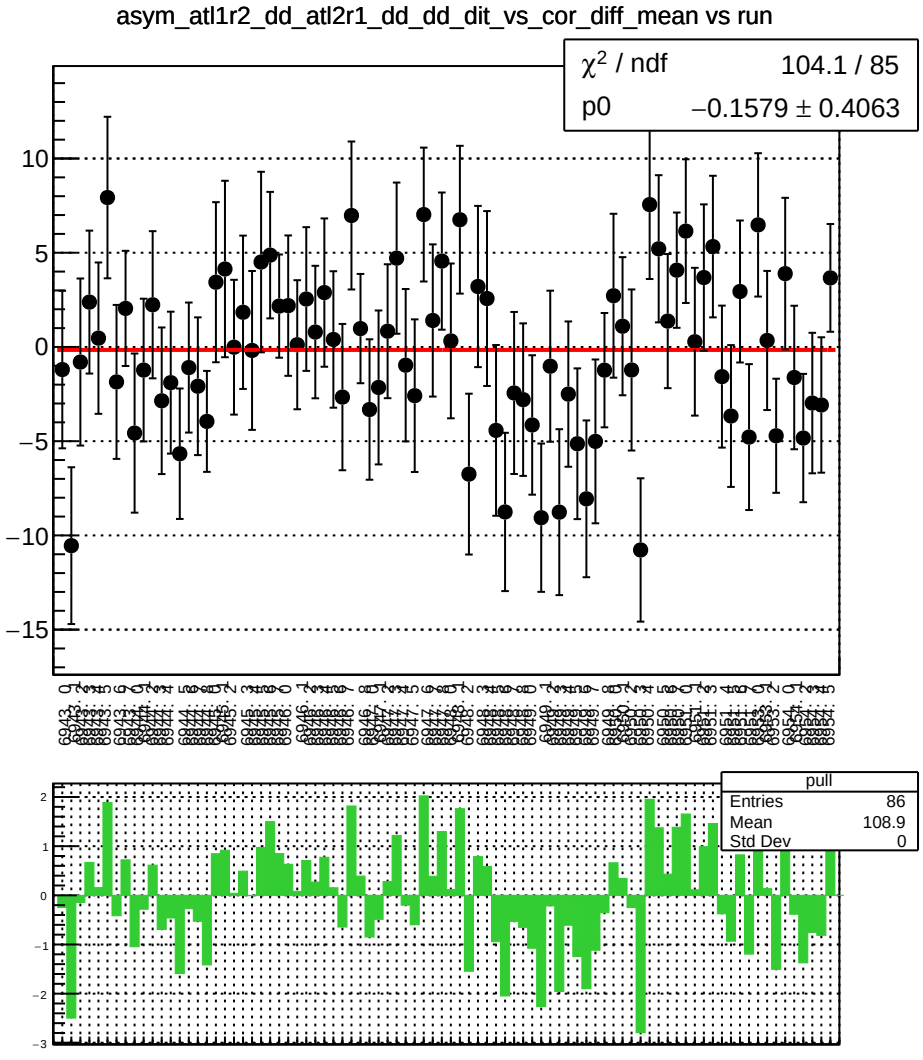

pull1D
Entries 86
Mean 0.02019
Std Dev 1.047

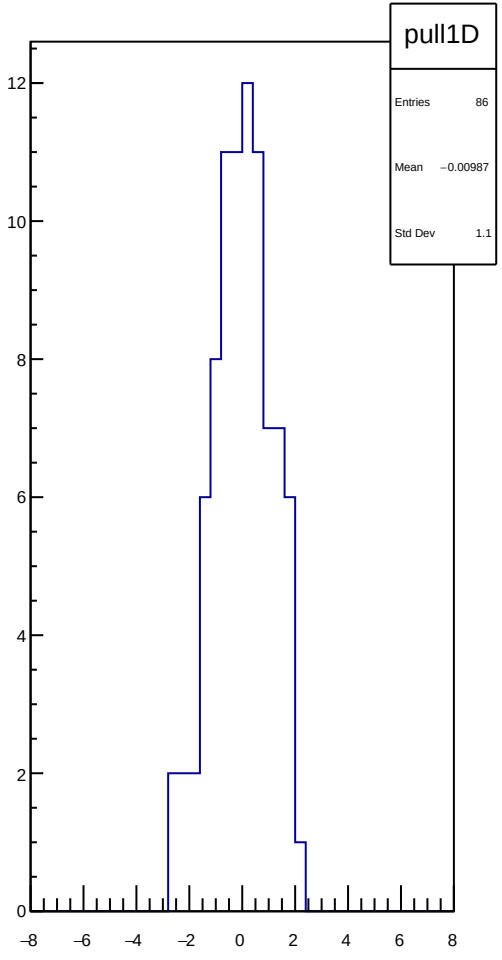

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 6875 / 85
p0 5369 ± 4.181
6500
6000
5500
5000
4500

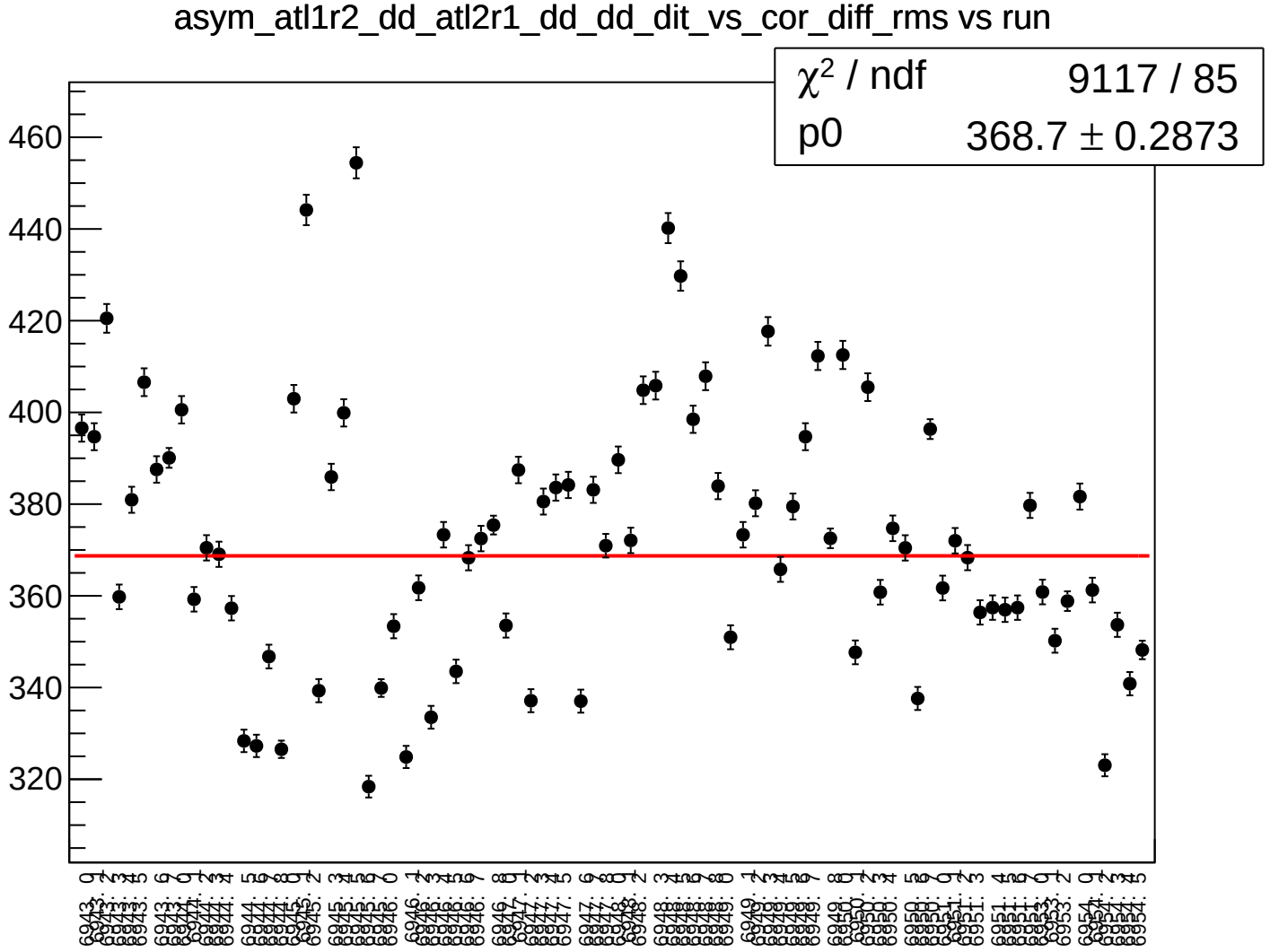

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.38 / 85
p0 −1.668e−13 ± 2.228e−13
pull
Entries 86
Mean 24.71
Std Dev 27.13

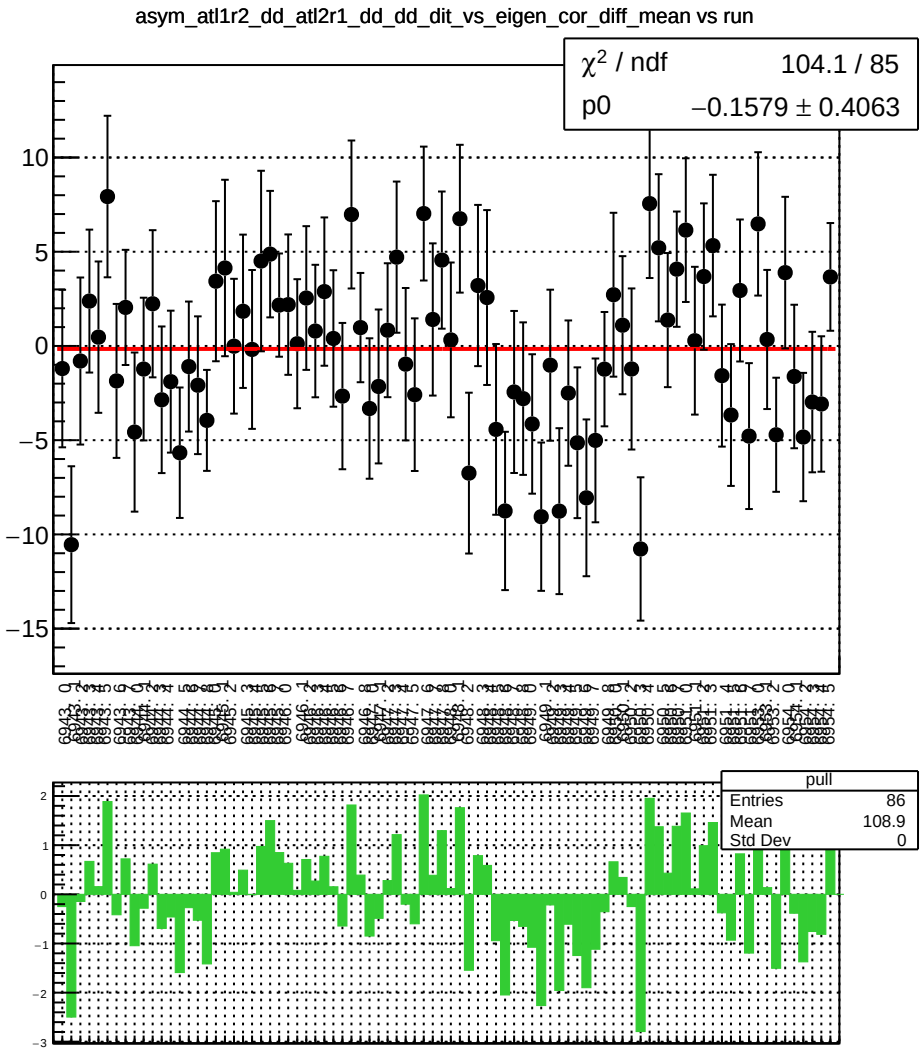

pull1D
Entries 86
Mean 0.1136
Std Dev 1.058

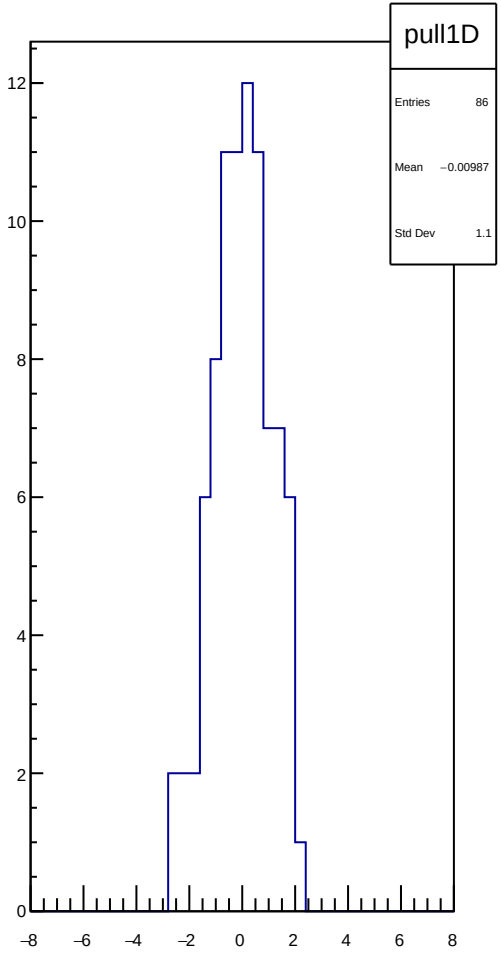

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.408e+05 / 85
p0 1.333e−10 ± 1.576e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

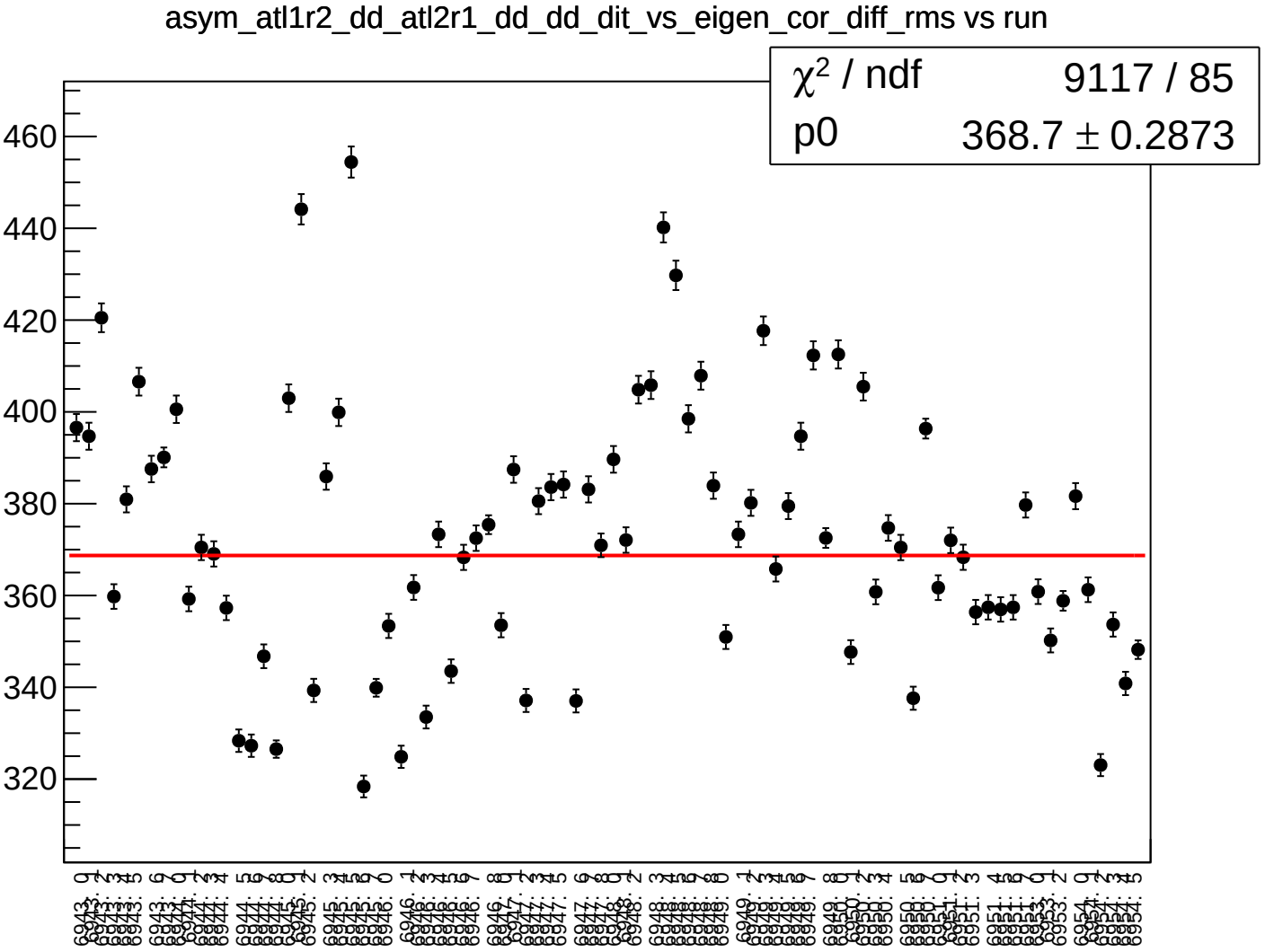

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

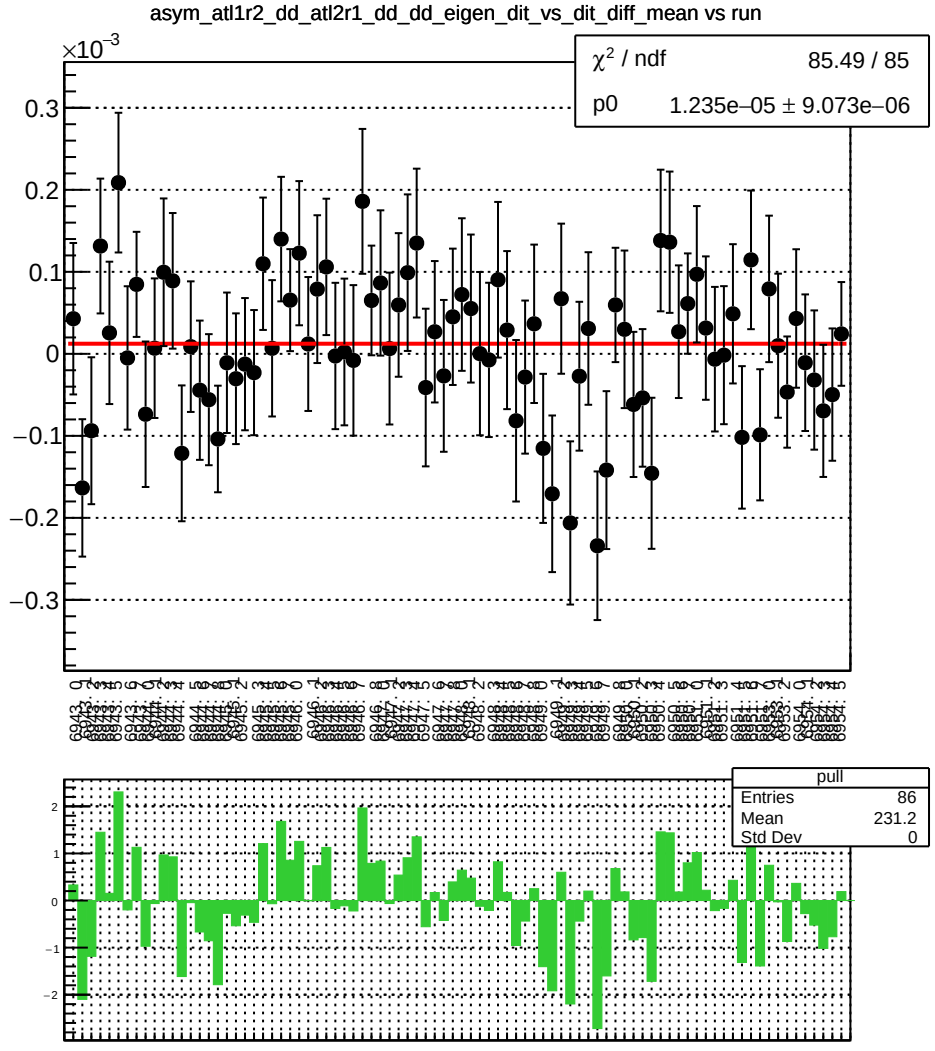

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

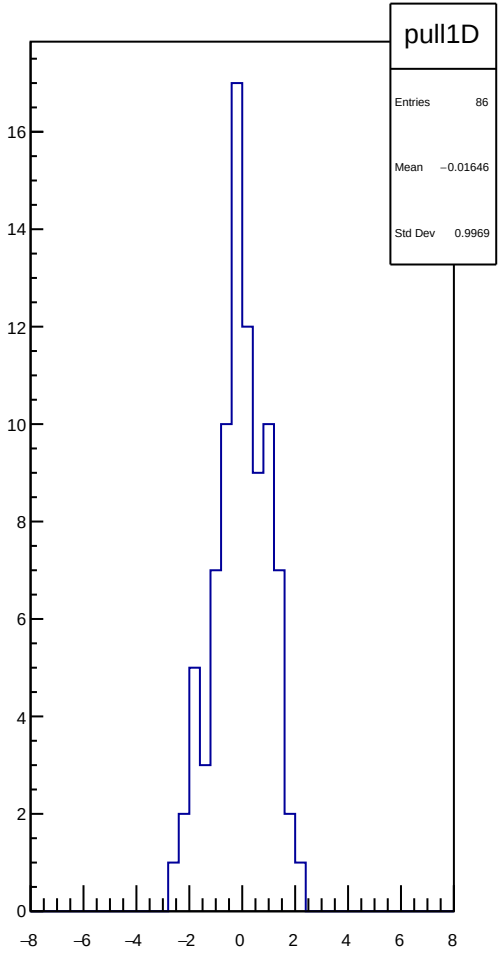

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

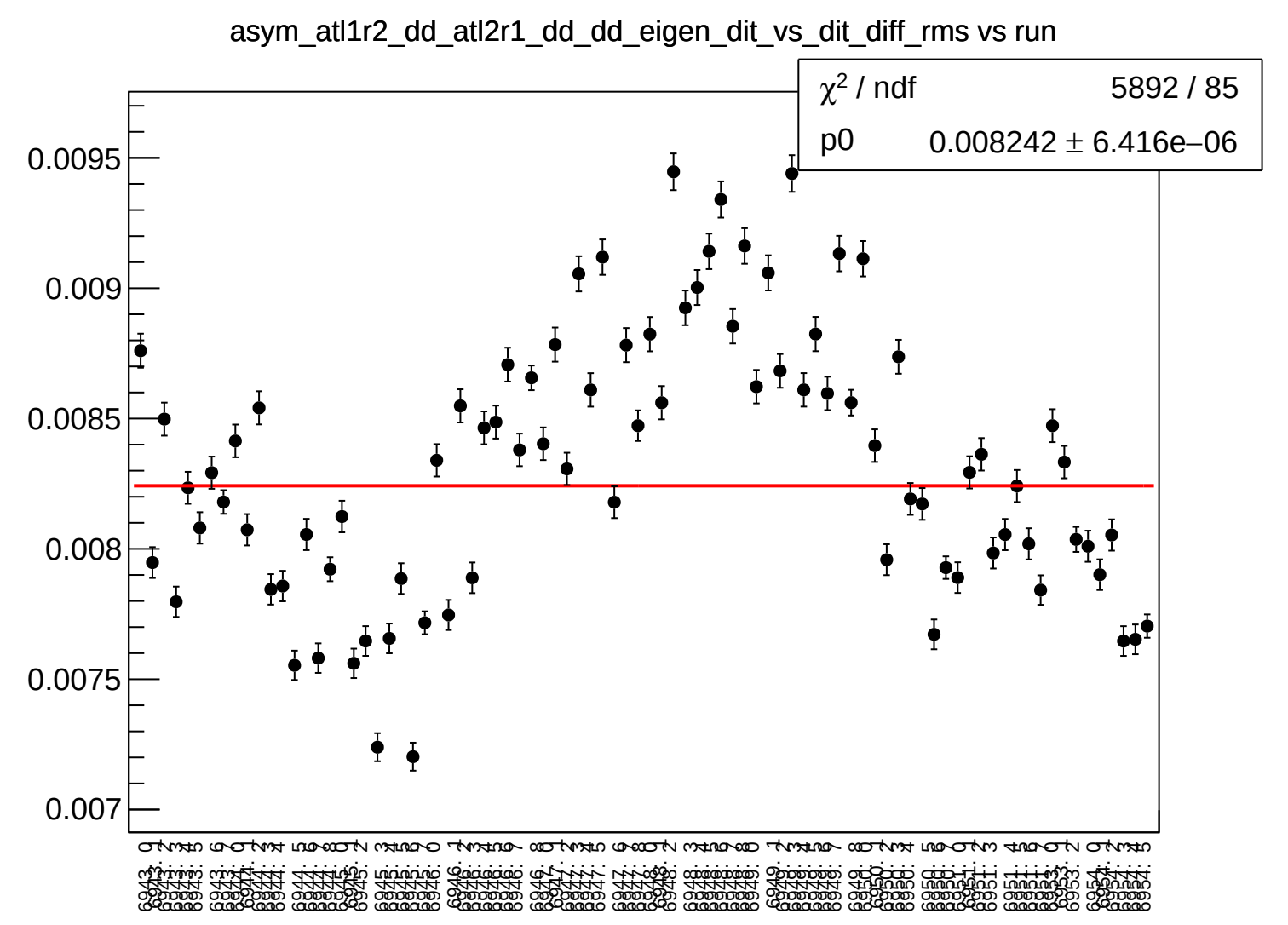

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

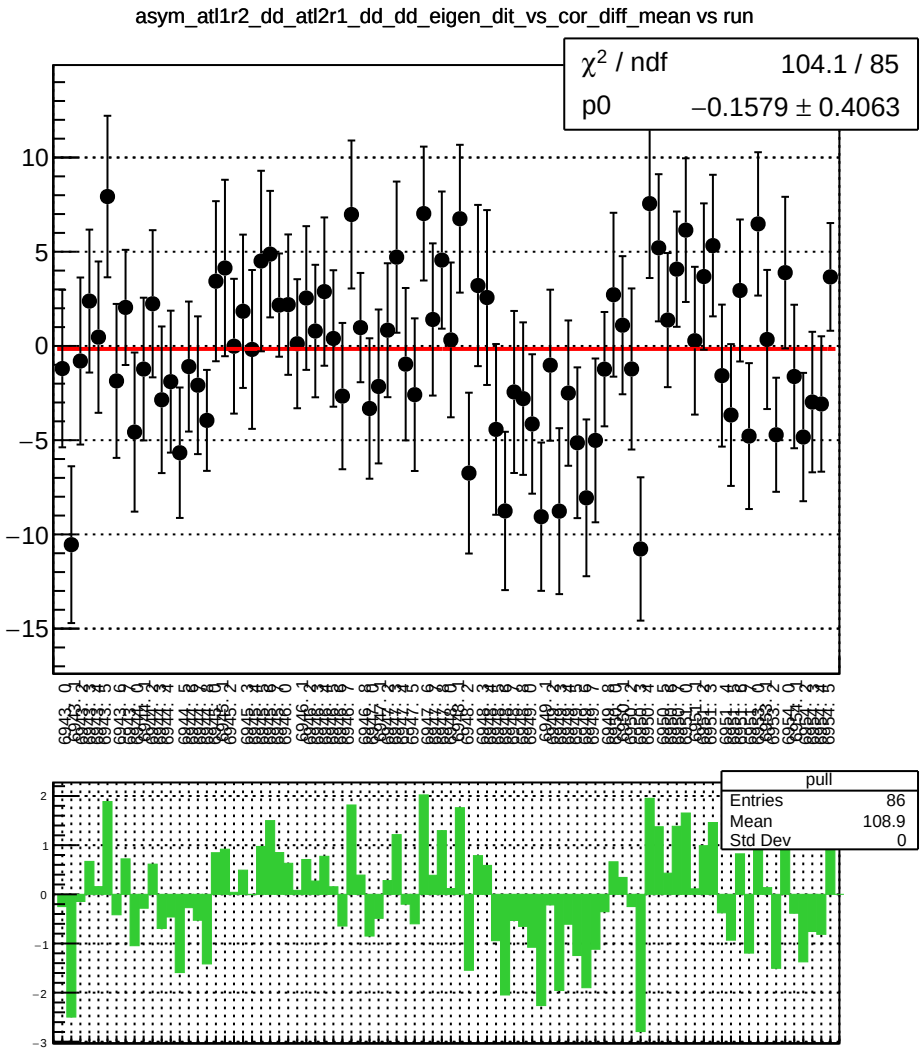

pull1D
Entries 86
Mean −0.00987
Std Dev 1.1

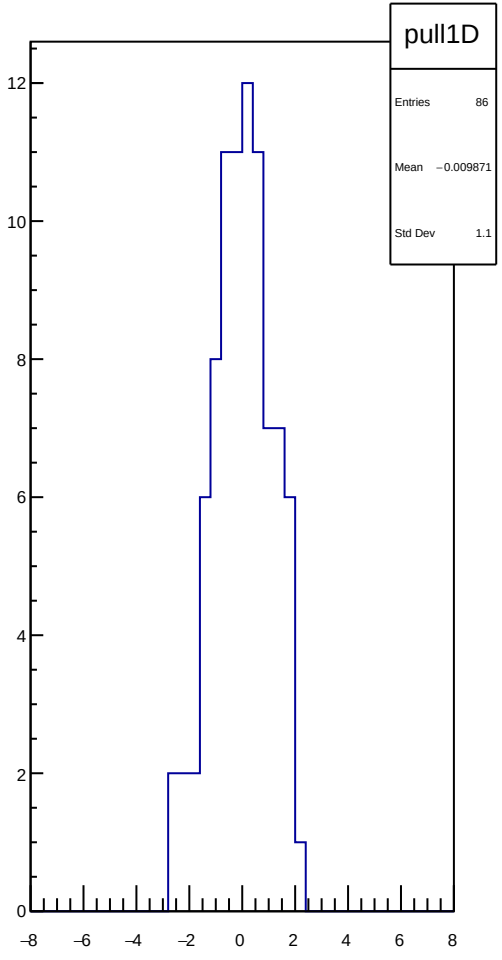

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

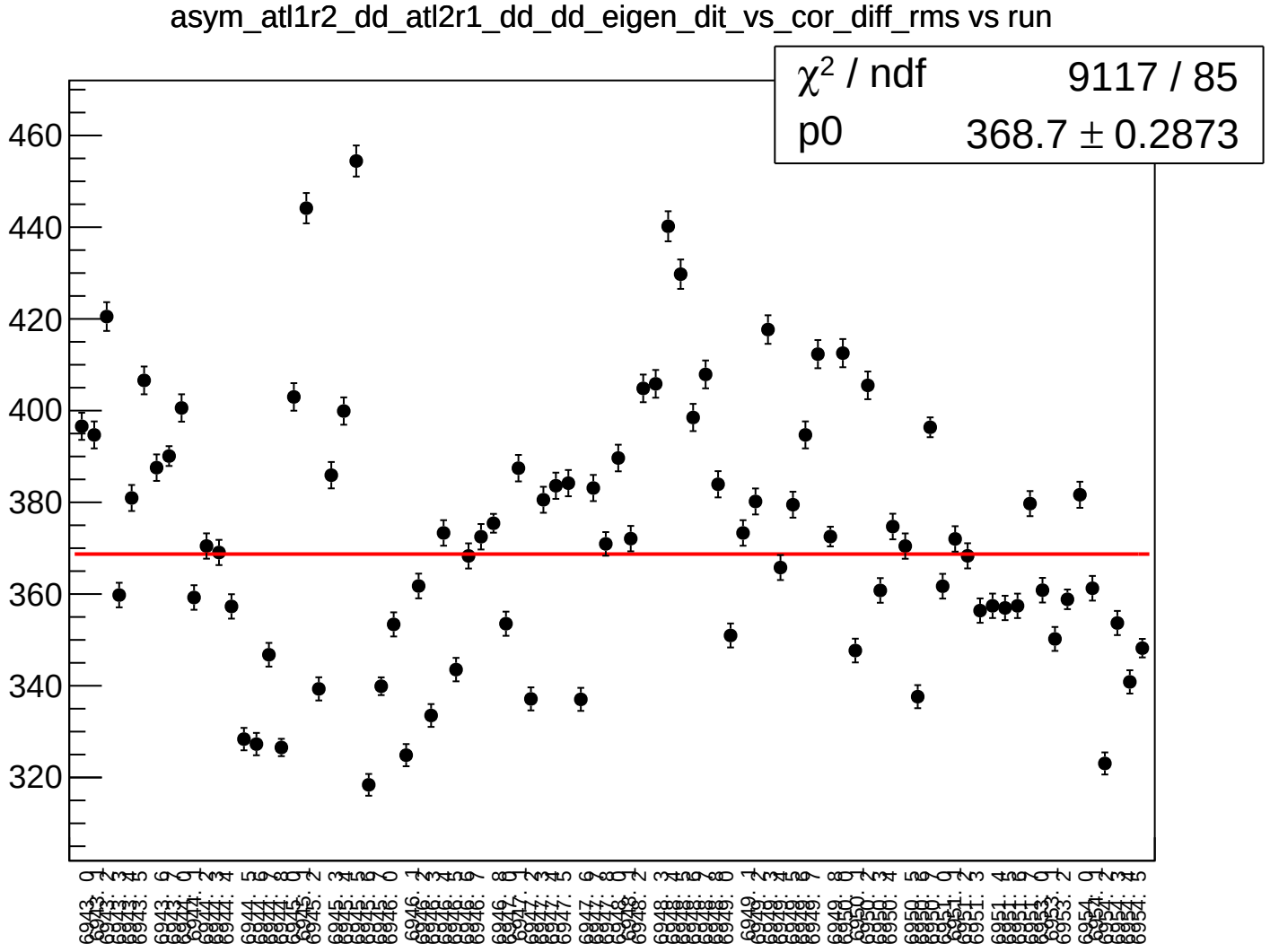

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.49 / 85
p0 1.235e−05 ± 9.073e−06
pull
Entries 86
Mean 231.2
Std Dev 0

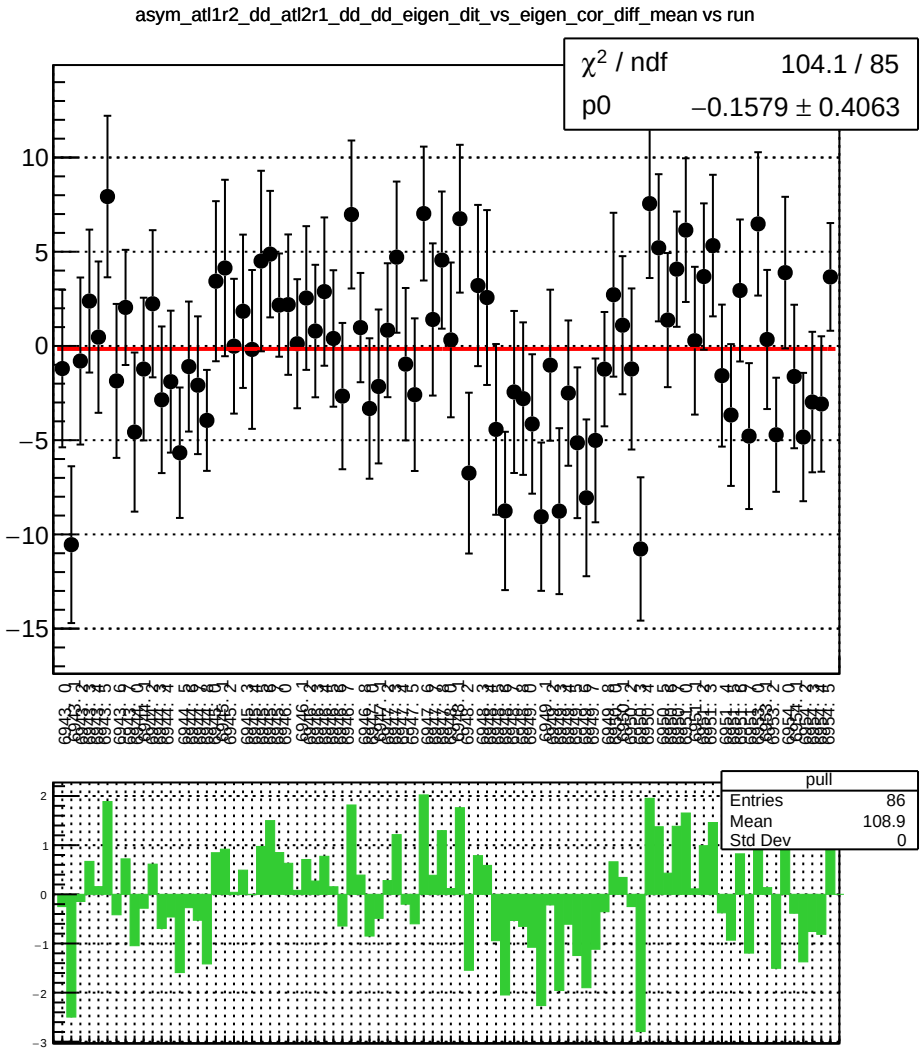

pull1D
Entries 86
Mean −0.01646
Std Dev 0.9969

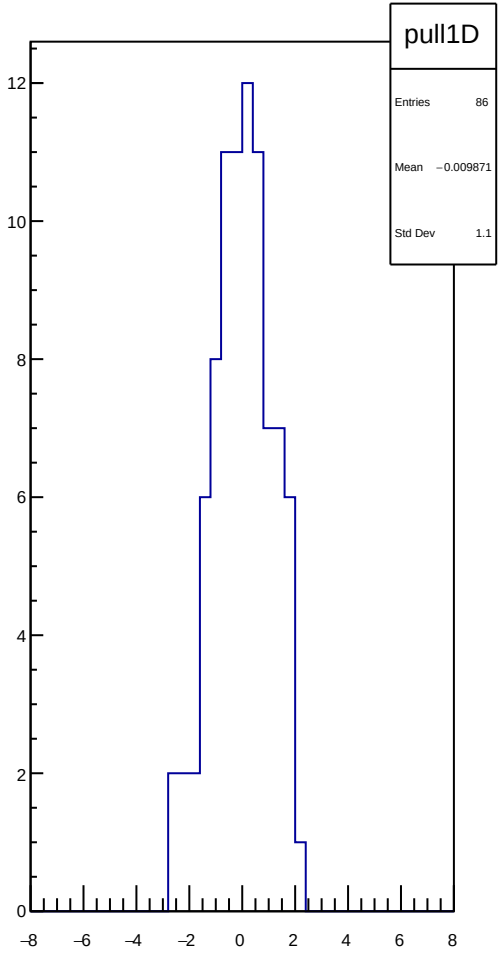

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5892 / 85
p0 0.008242 ± 6.416e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

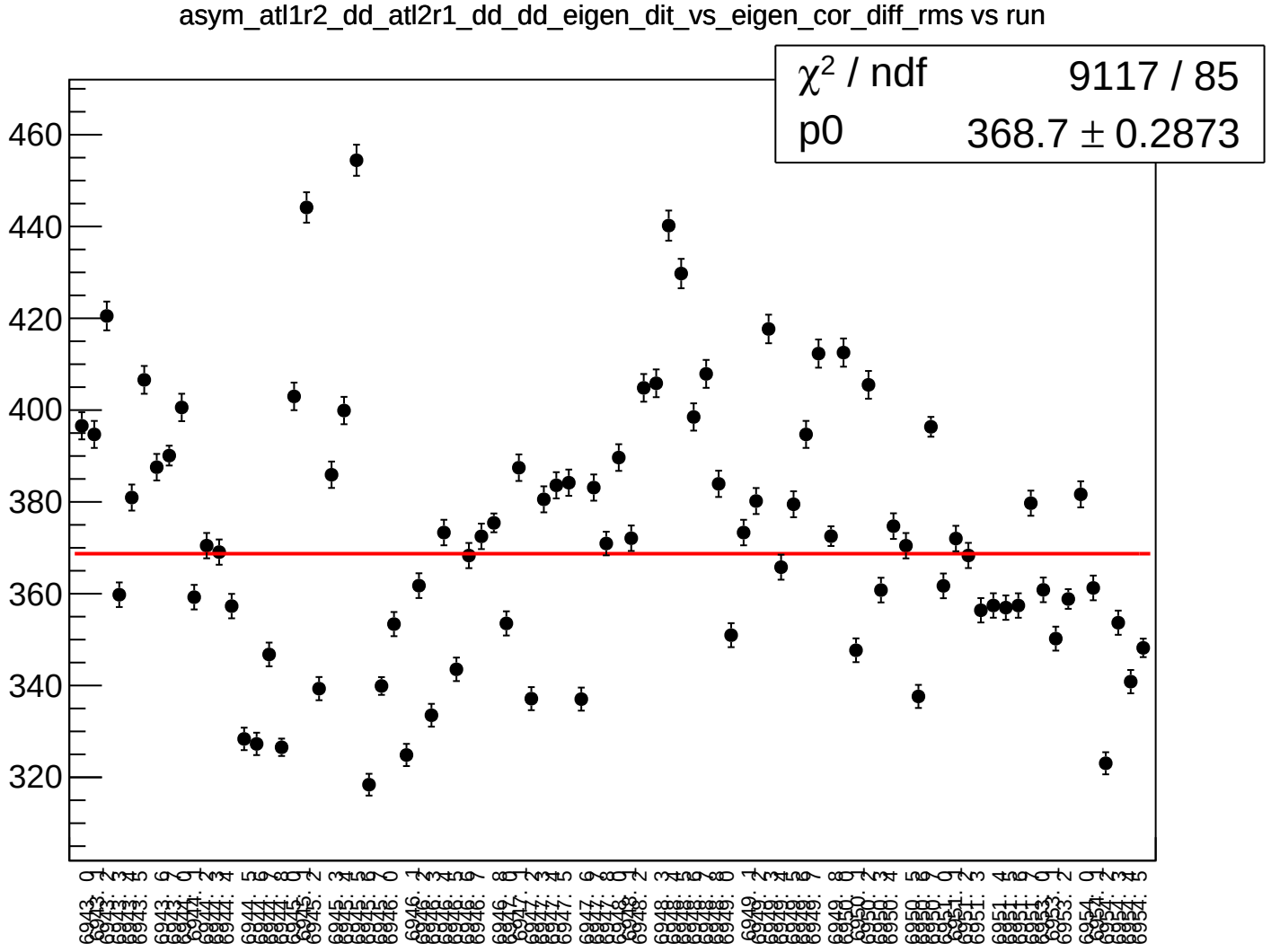

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

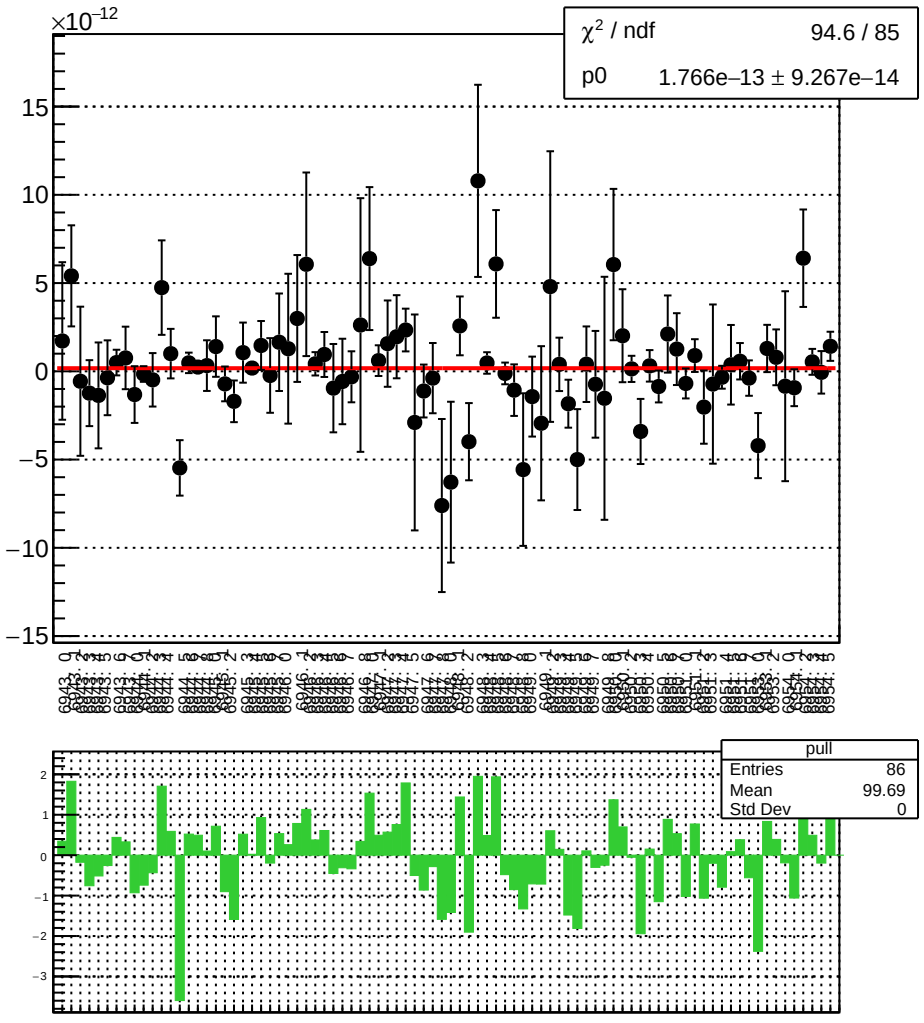

pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

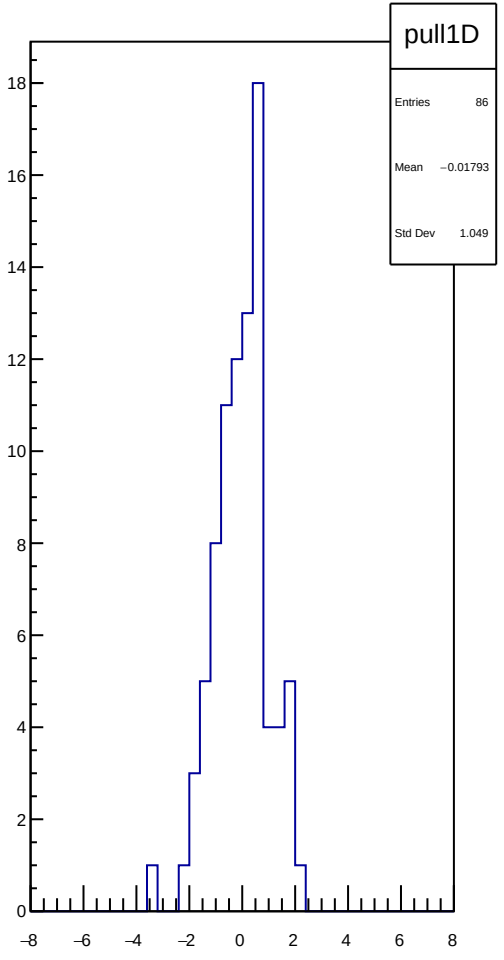

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

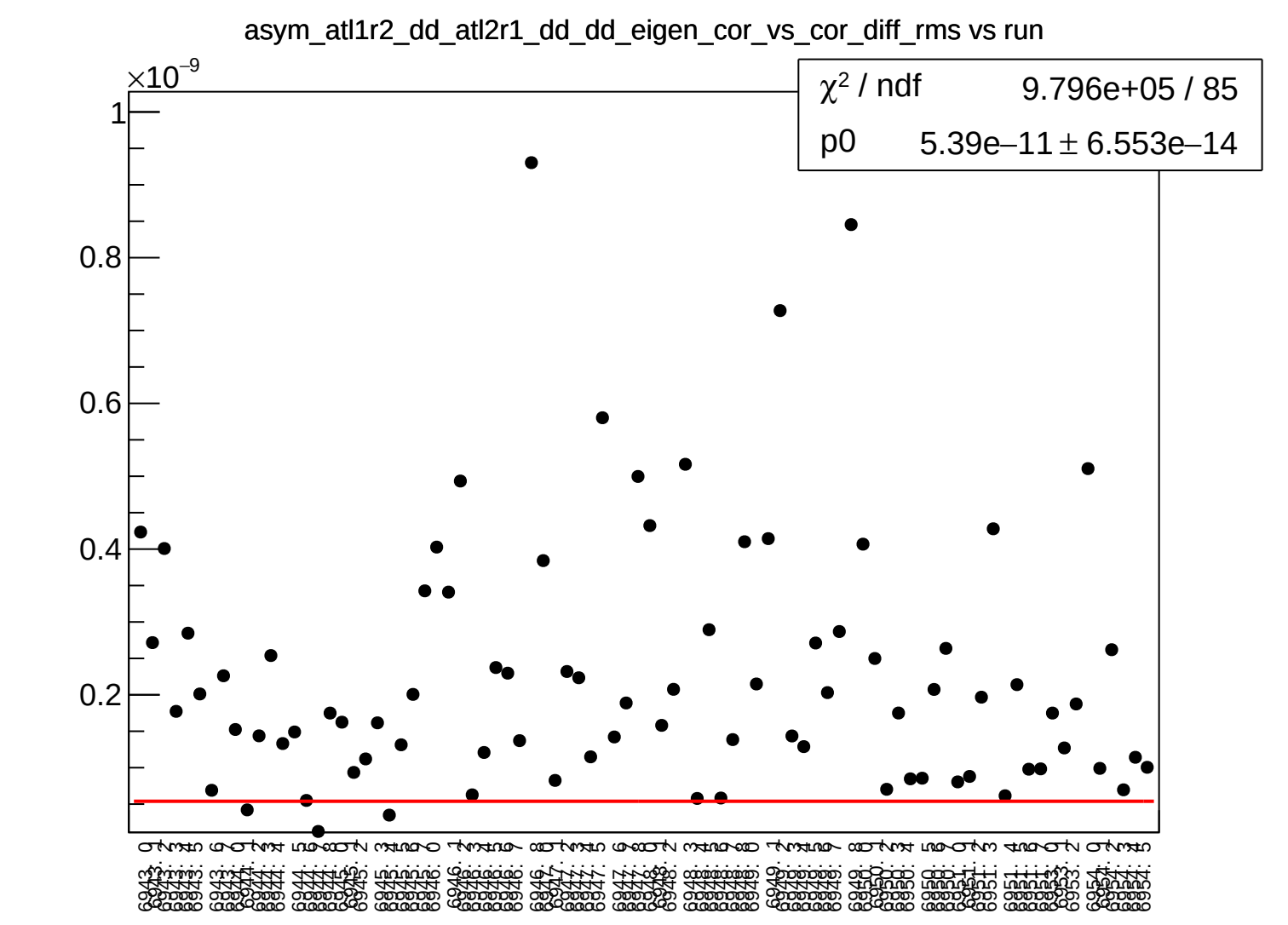

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 85
p0 −0.1579 ± 0.4063
pull
Entries 86
Mean 108.9
Std Dev 0

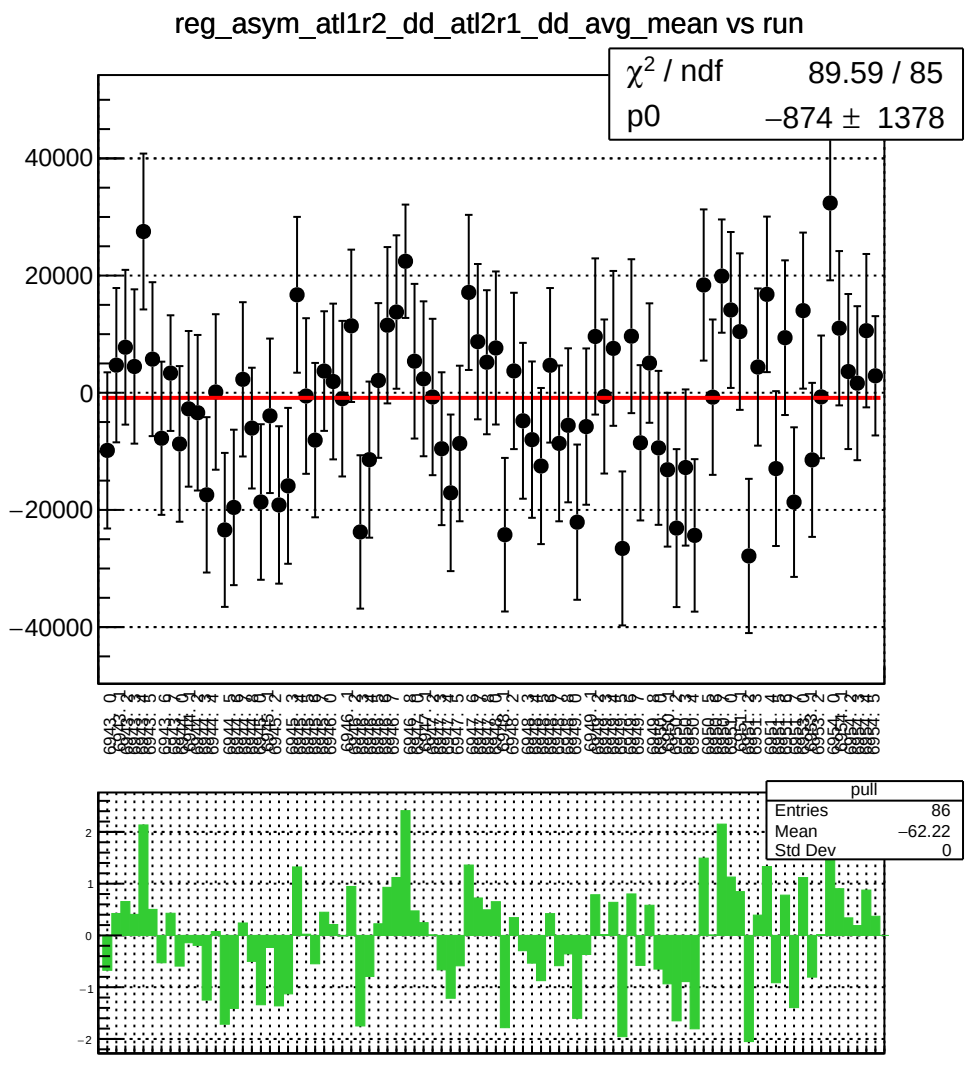

pull1D
Entries 86
Mean −0.009871
Std Dev 1.1

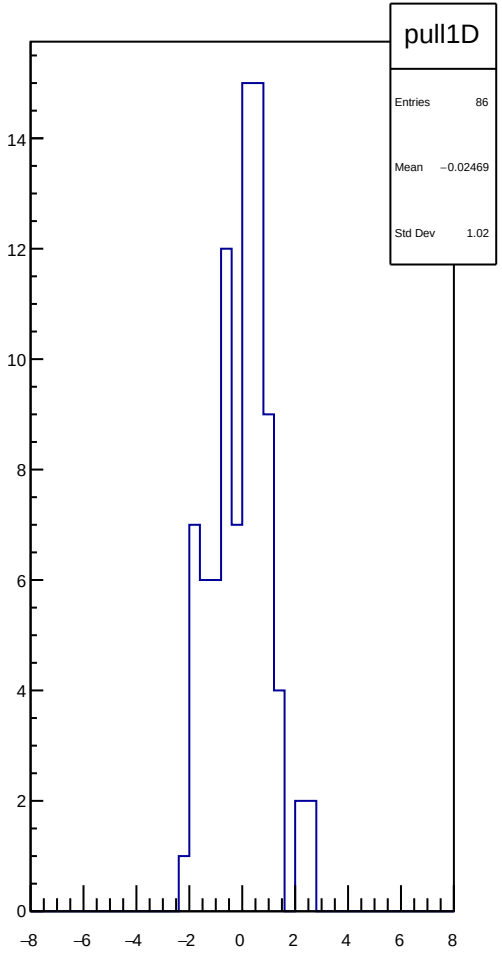

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9117 / 85
p0 368.7 ± 0.2873
460
440
420
400
380
360
340
320

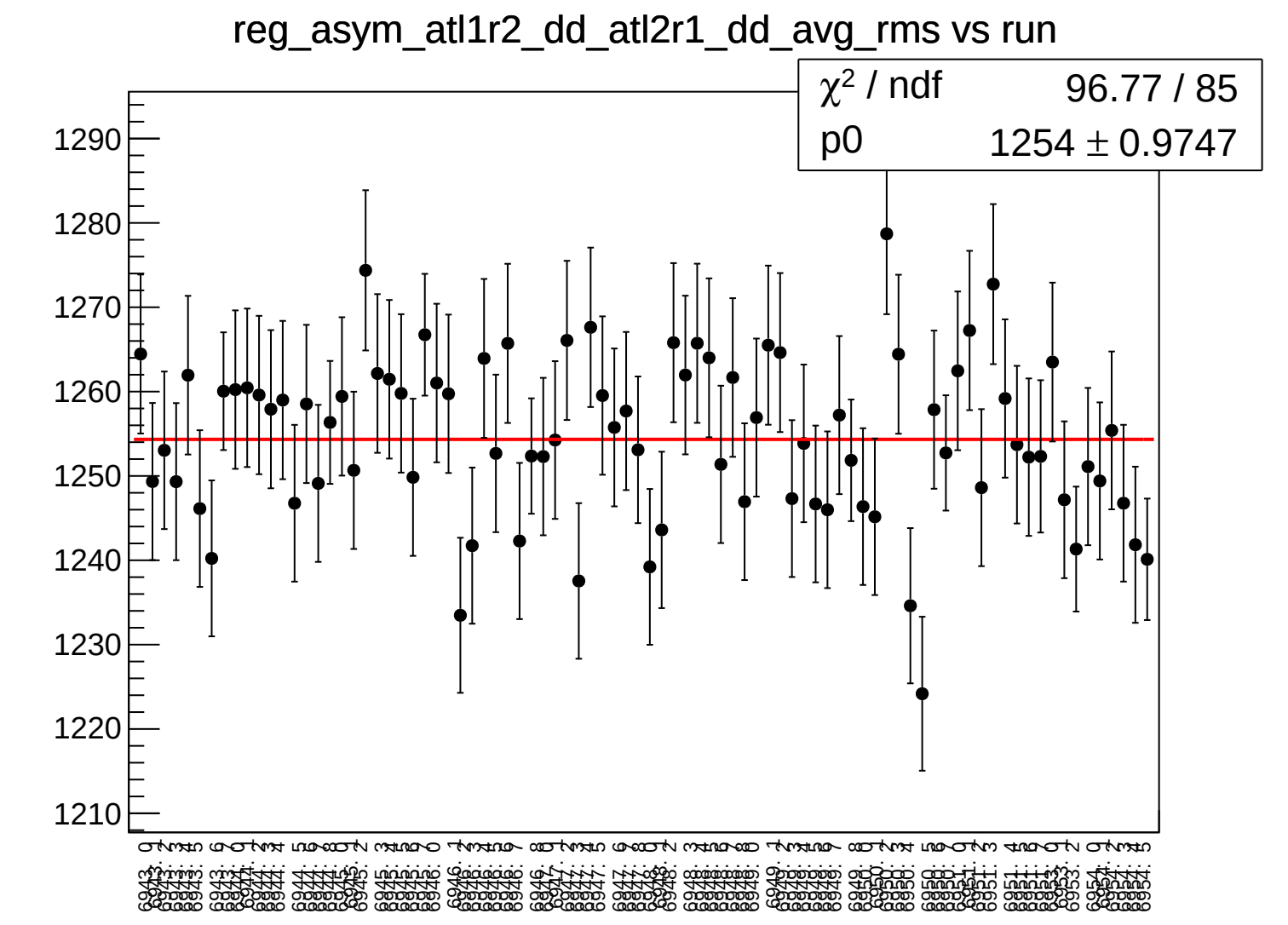

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.6 / 85
p0 1.766e−13 ± 9.267e−14
pull
Entries 86
Mean 99.69
Std Dev 0

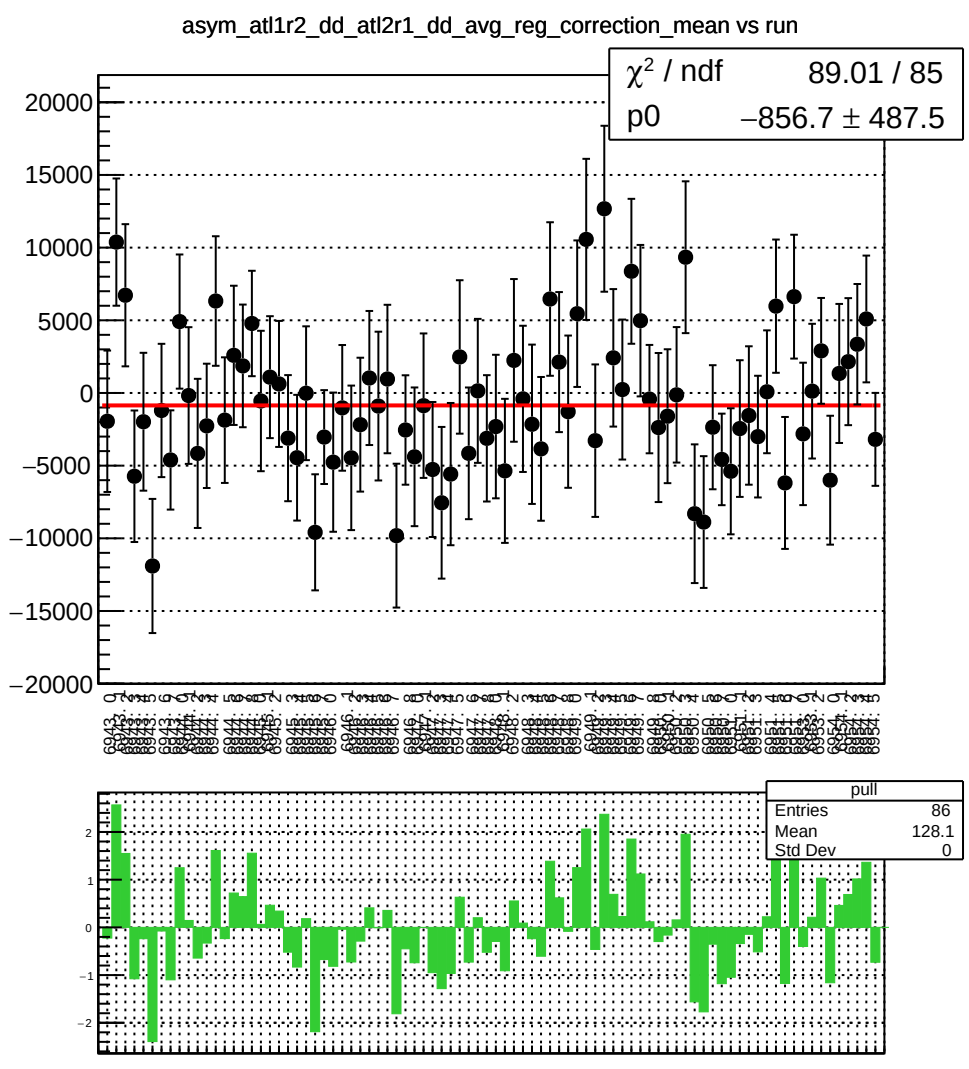

pull1D
Entries 86
Mean −0.01793
Std Dev 1.049

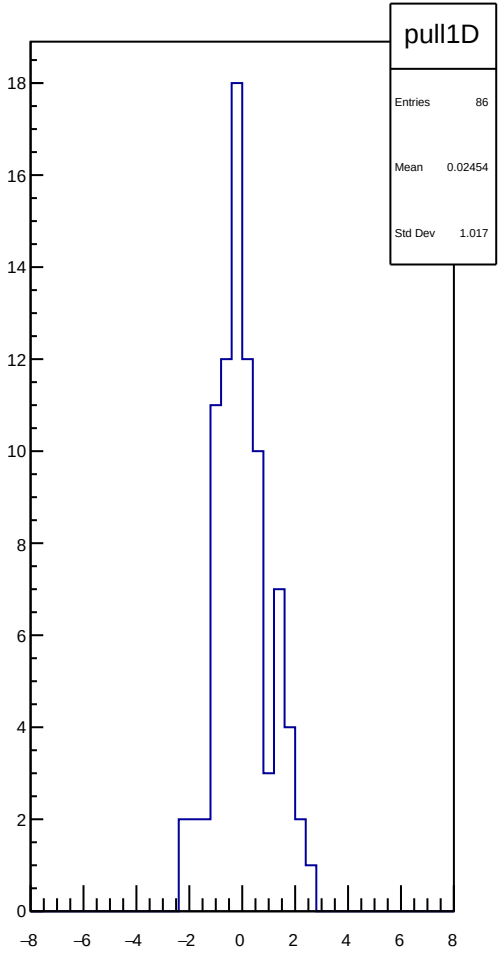

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.796e+05 / 85
p0 5.39e−11 ± 6.553e−14
1
0.8
0.6
0.4
0.2

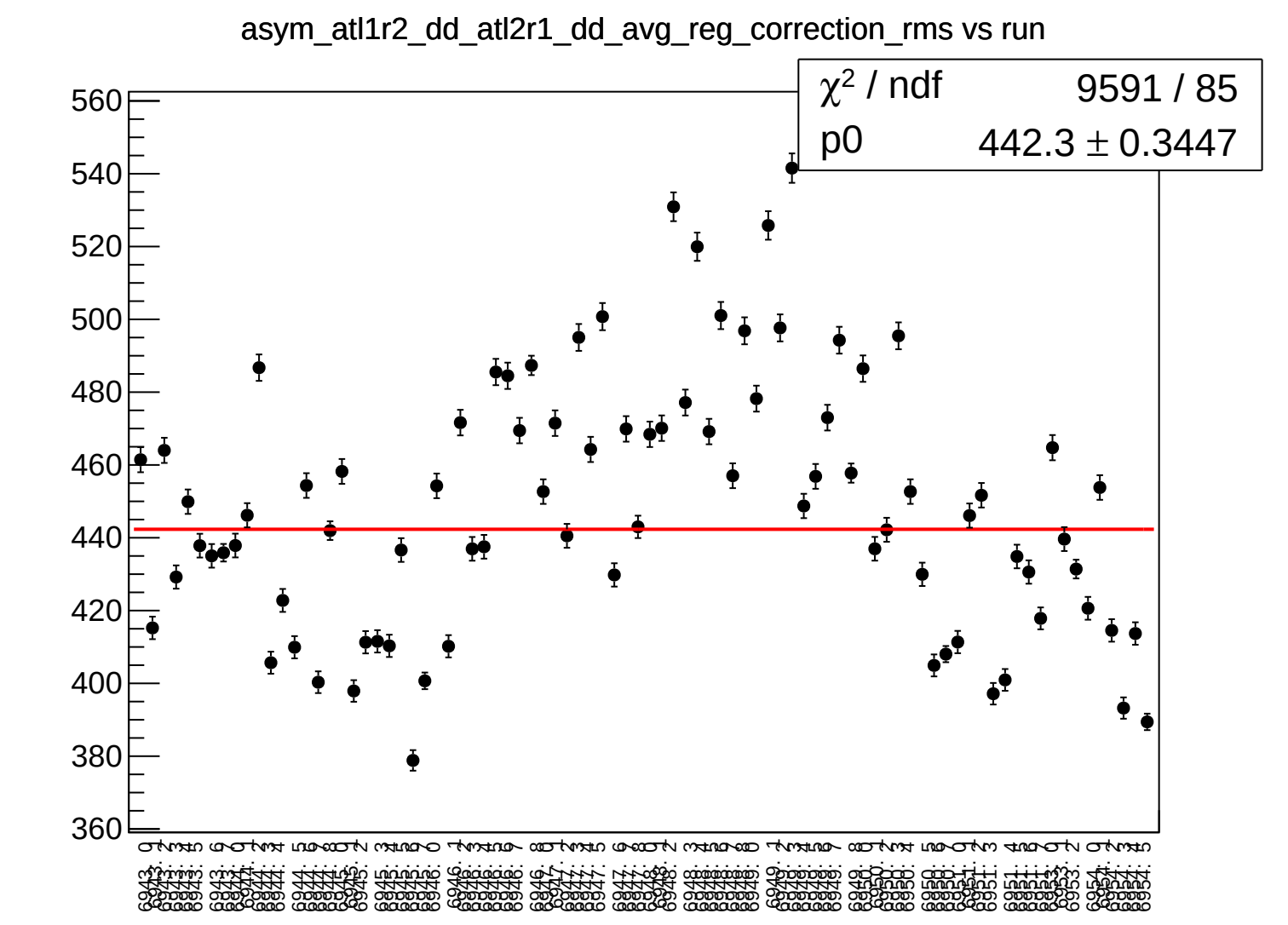

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 89.59 / 85
p0 −874 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2

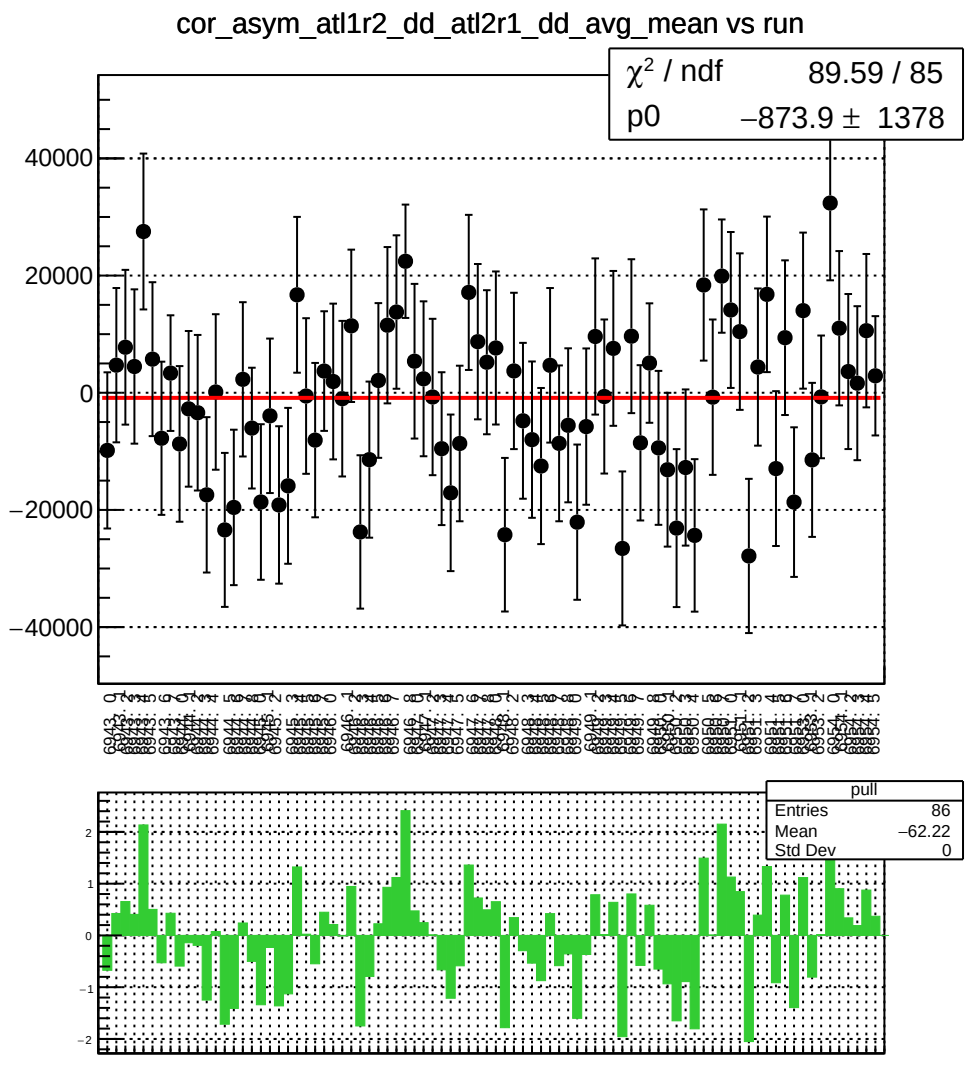

pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

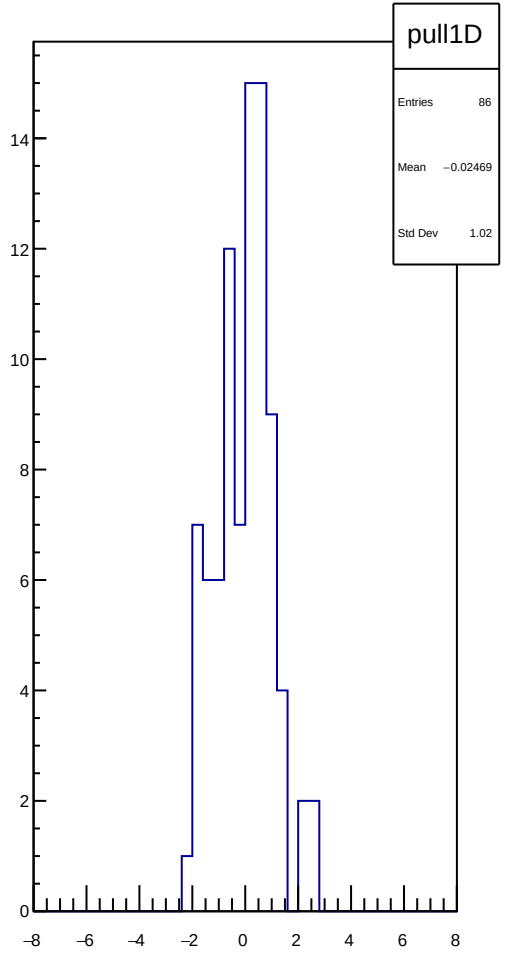

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

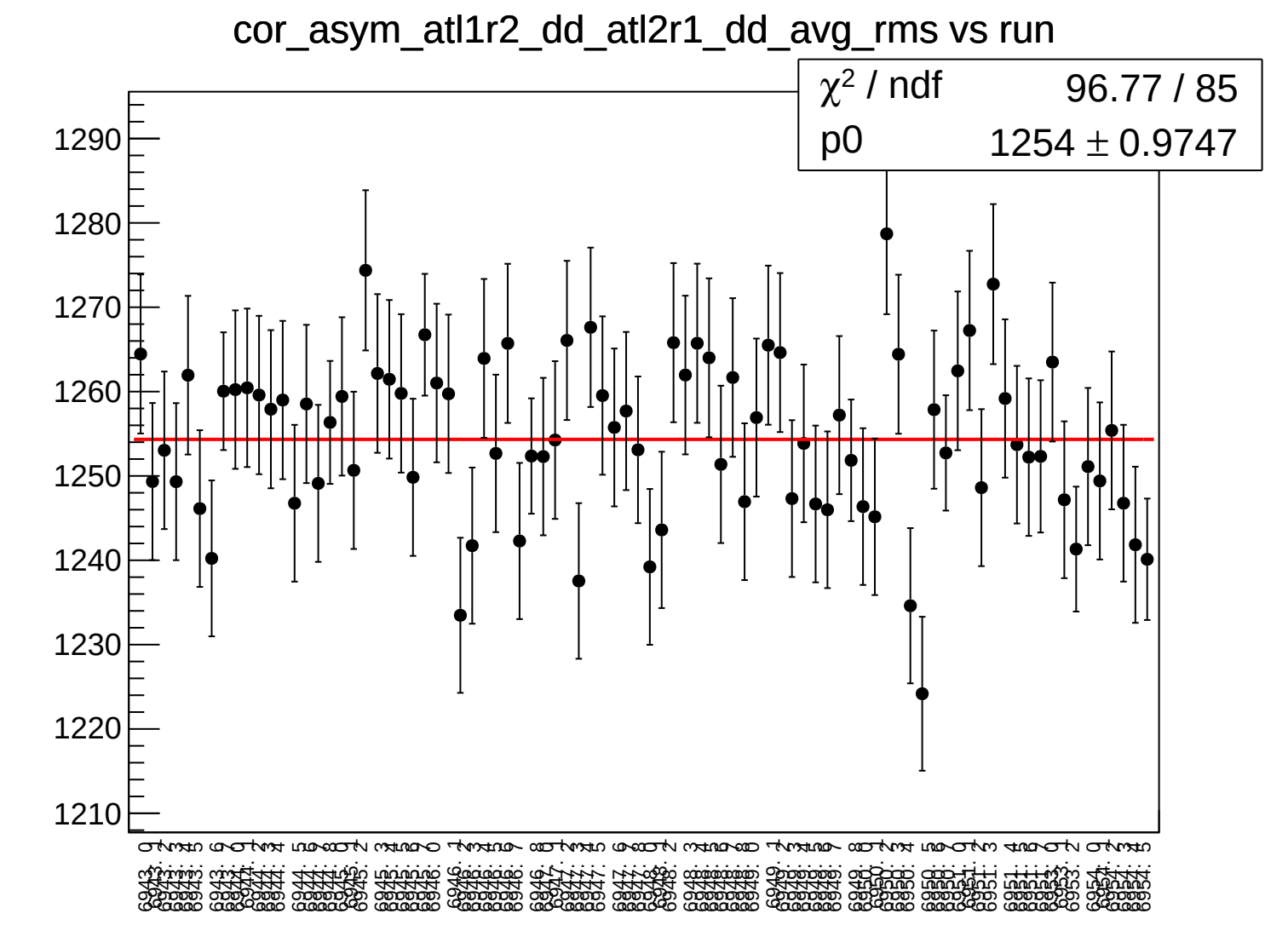

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.7 ± 487.5
pull
Entries 86
Mean 128.1
Std Dev 0

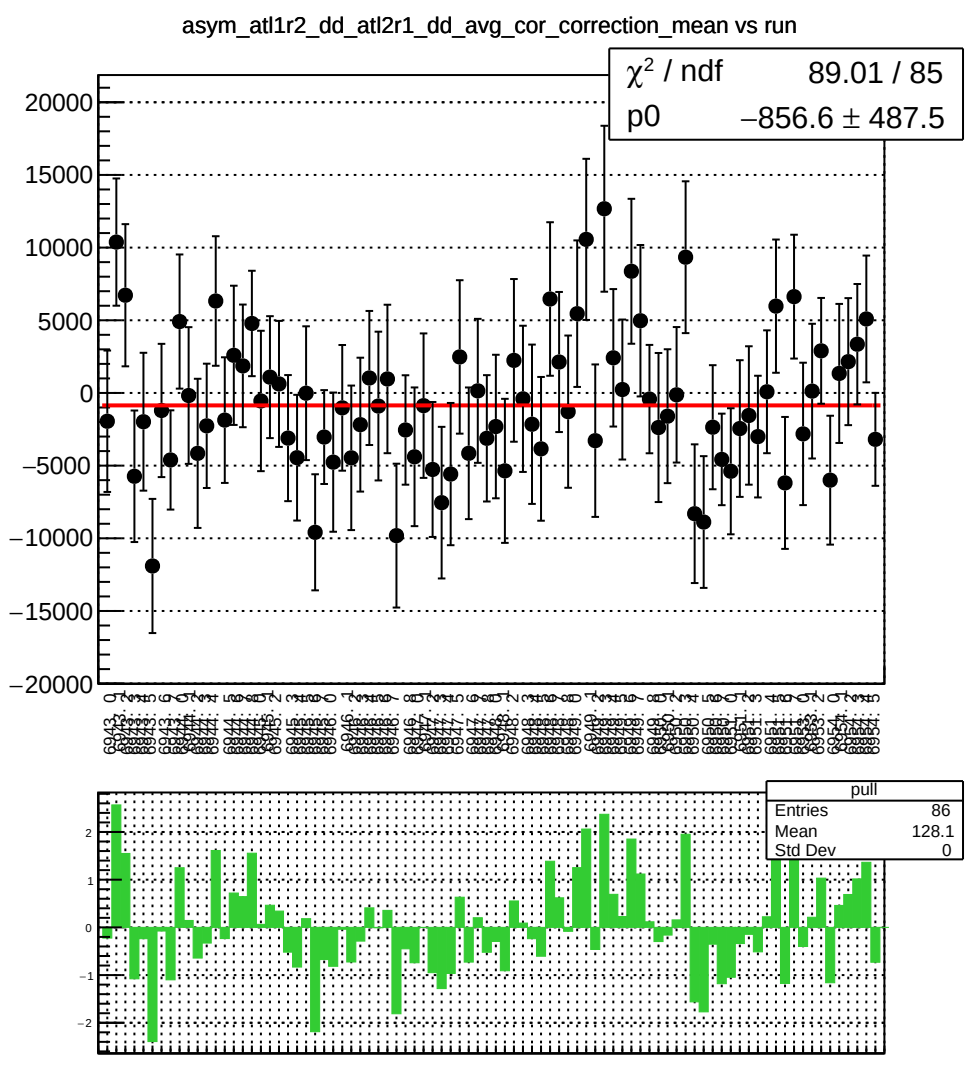

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017

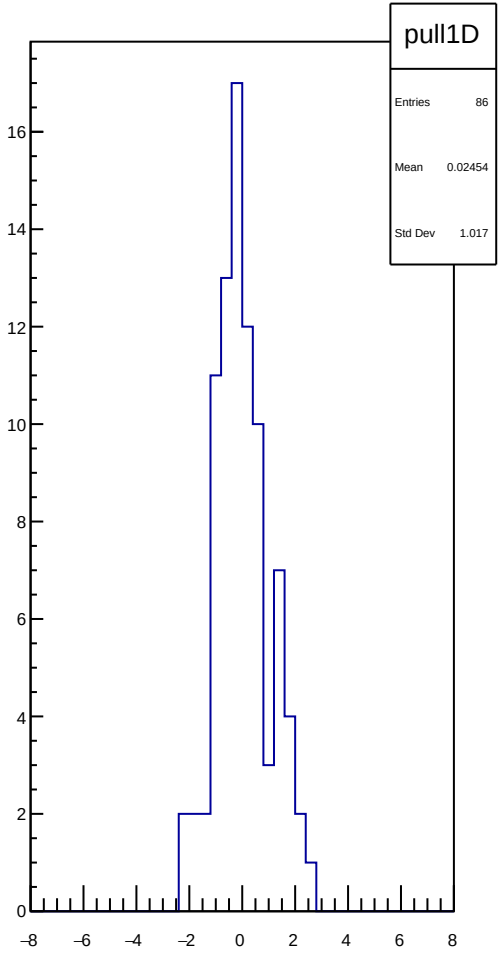

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

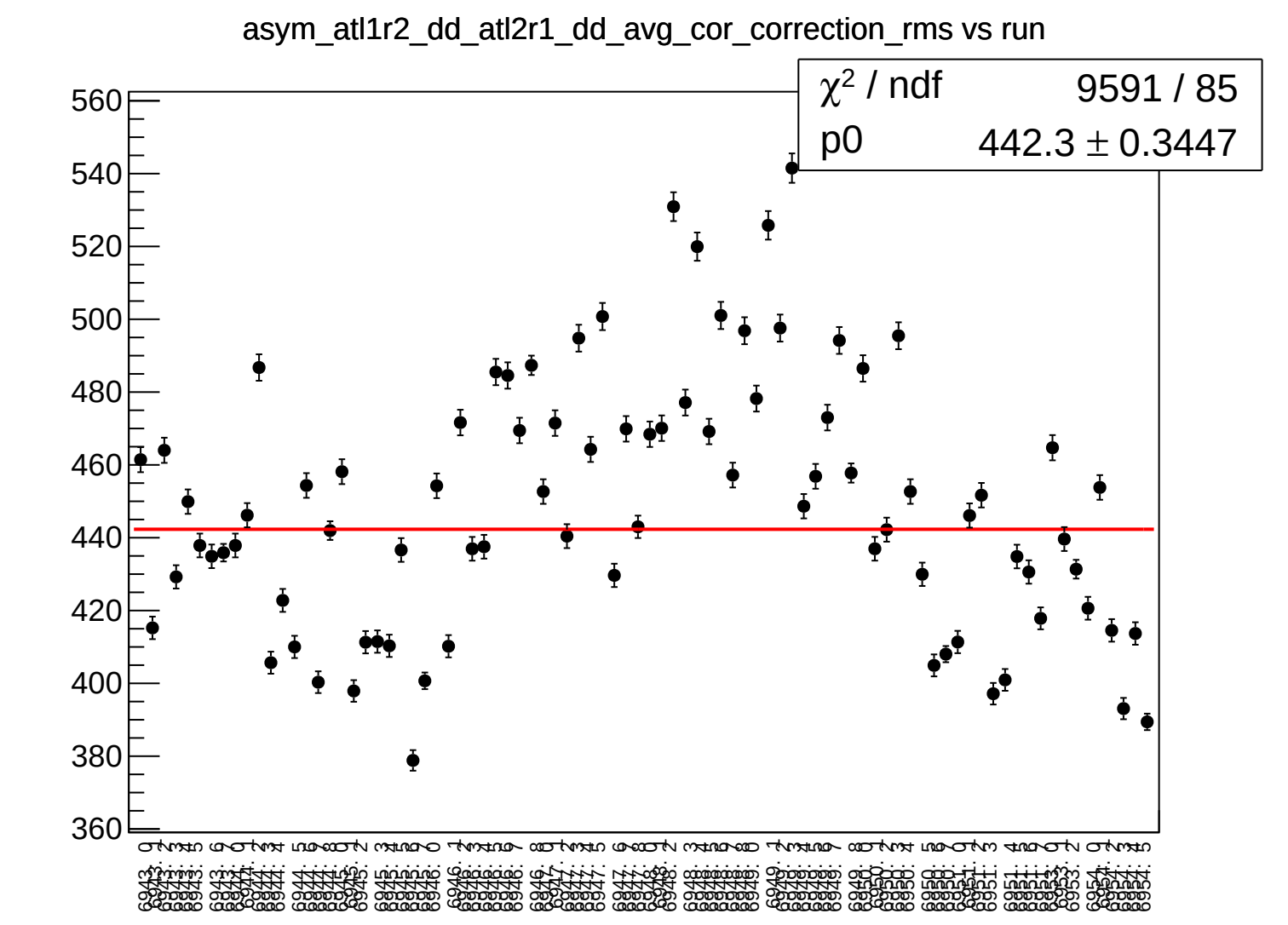

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 89.59 / 85
p0 −873.9 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2

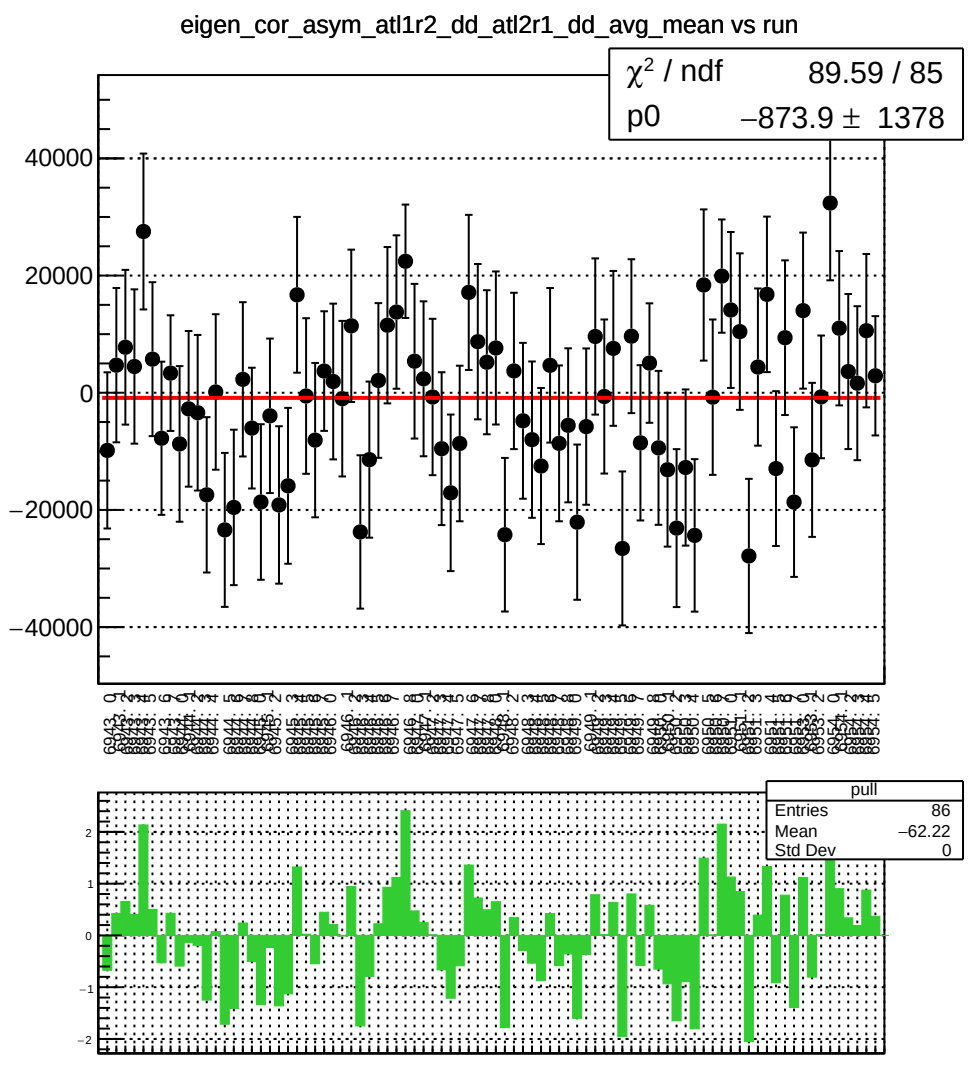

pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

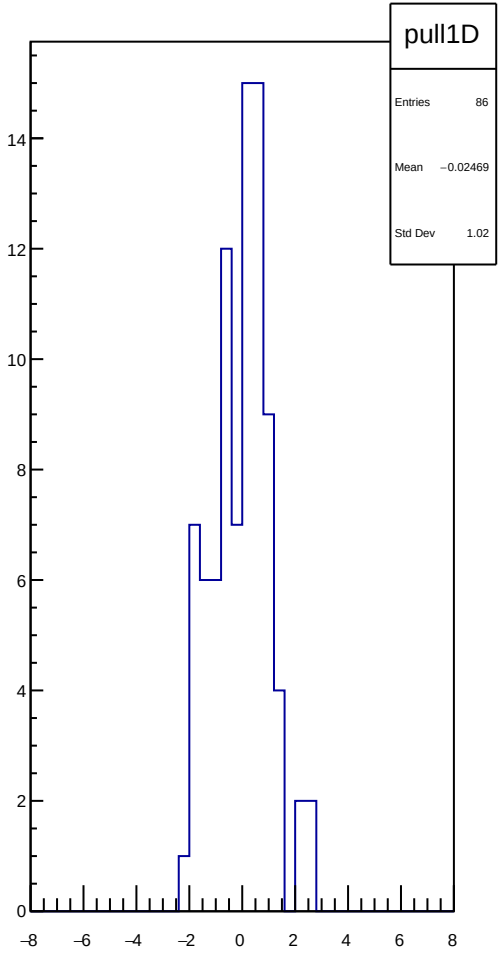

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

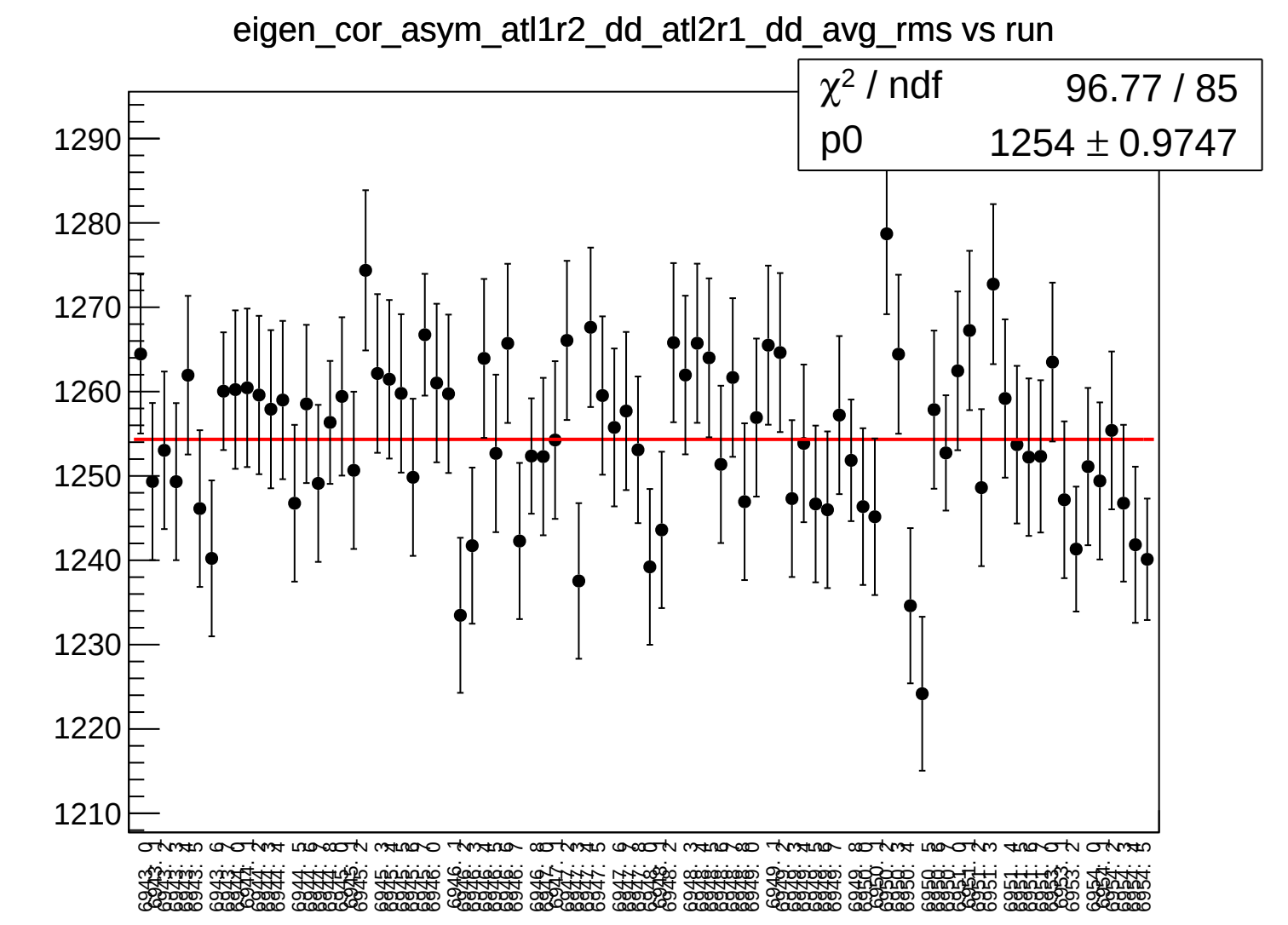

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.6 ± 487.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 128.1
Std Dev 0
2
1
0
−1
−2

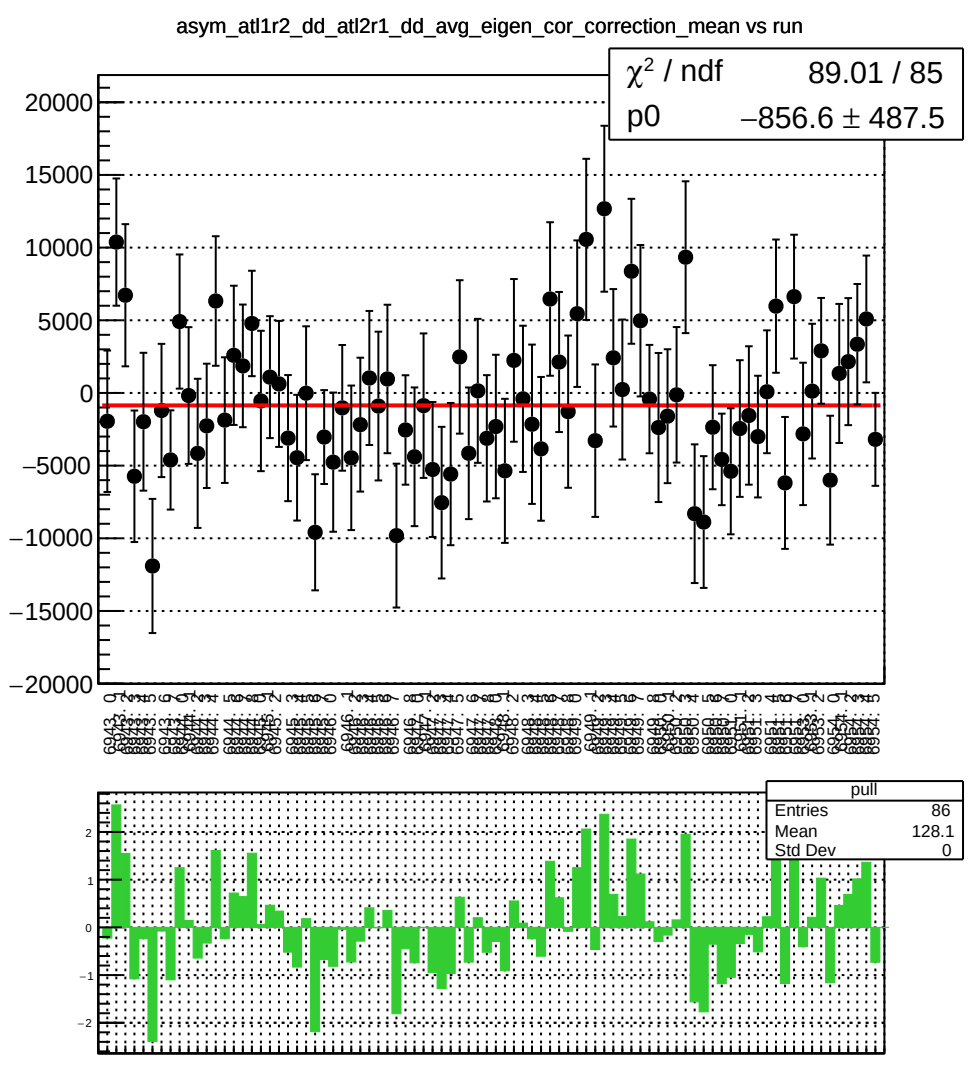

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

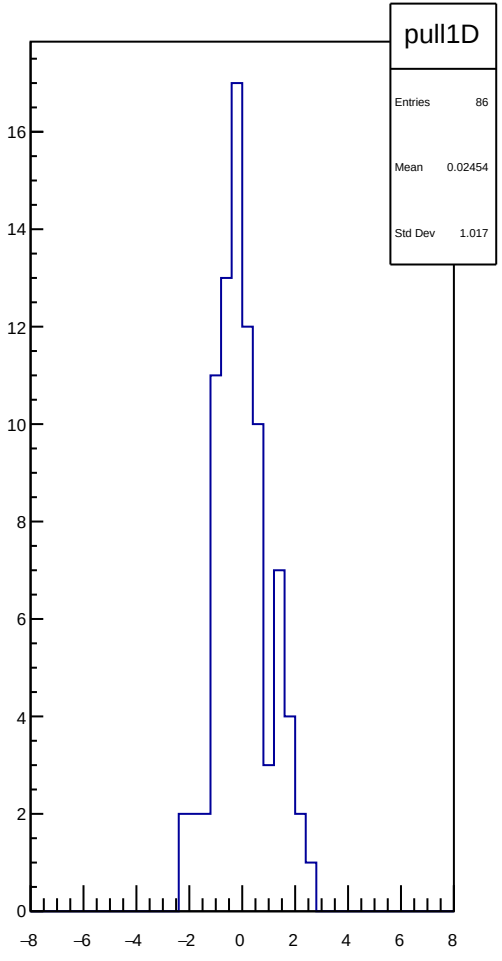

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

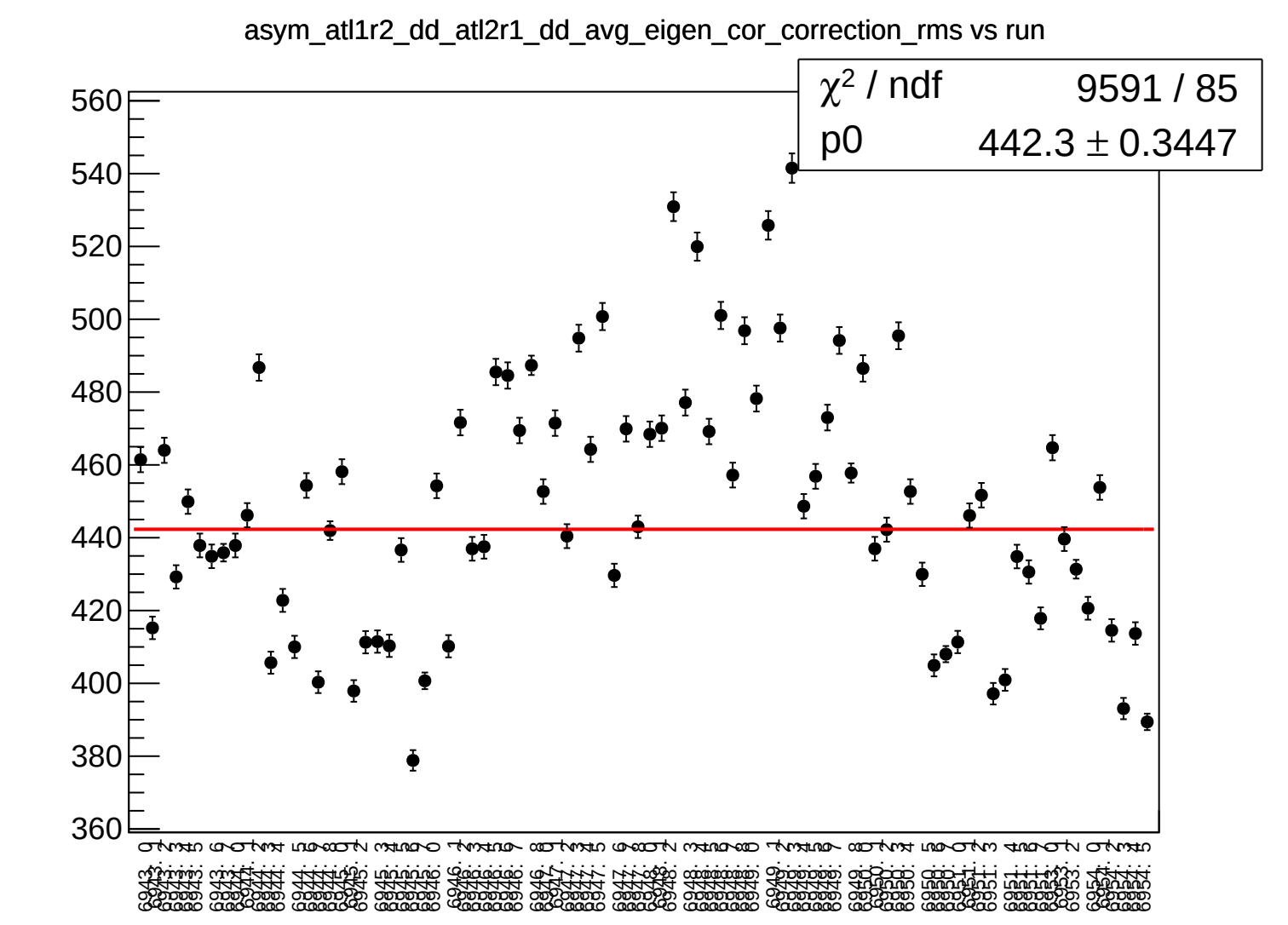

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 89.59 / 85
p0 −873.9 ± 1378
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −62.22
Std Dev 0
2
1
0
−1
−2

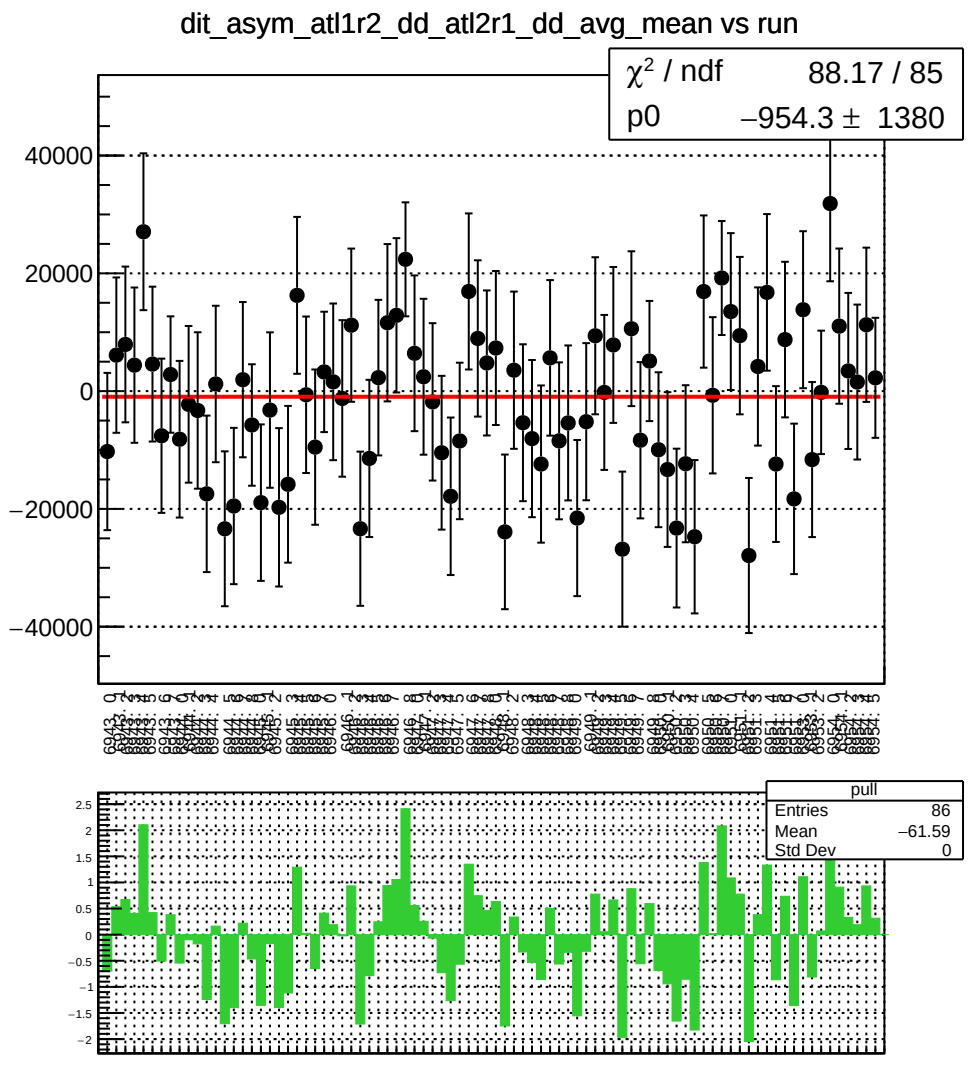

pull1D
Entries 86
Mean −0.02469
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

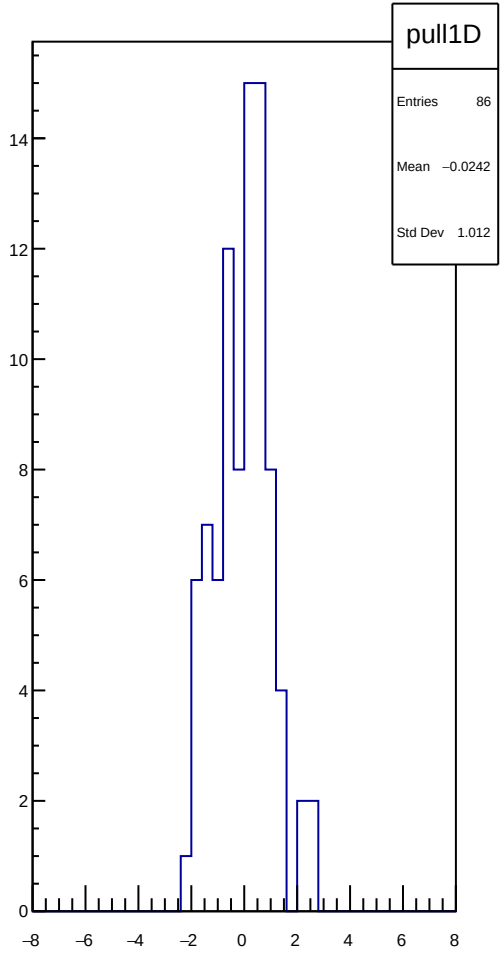

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 96.77 / 85
p0 1254 ± 0.9747
1290
1280
1270
1260
1250
1240
1230
1220
1210

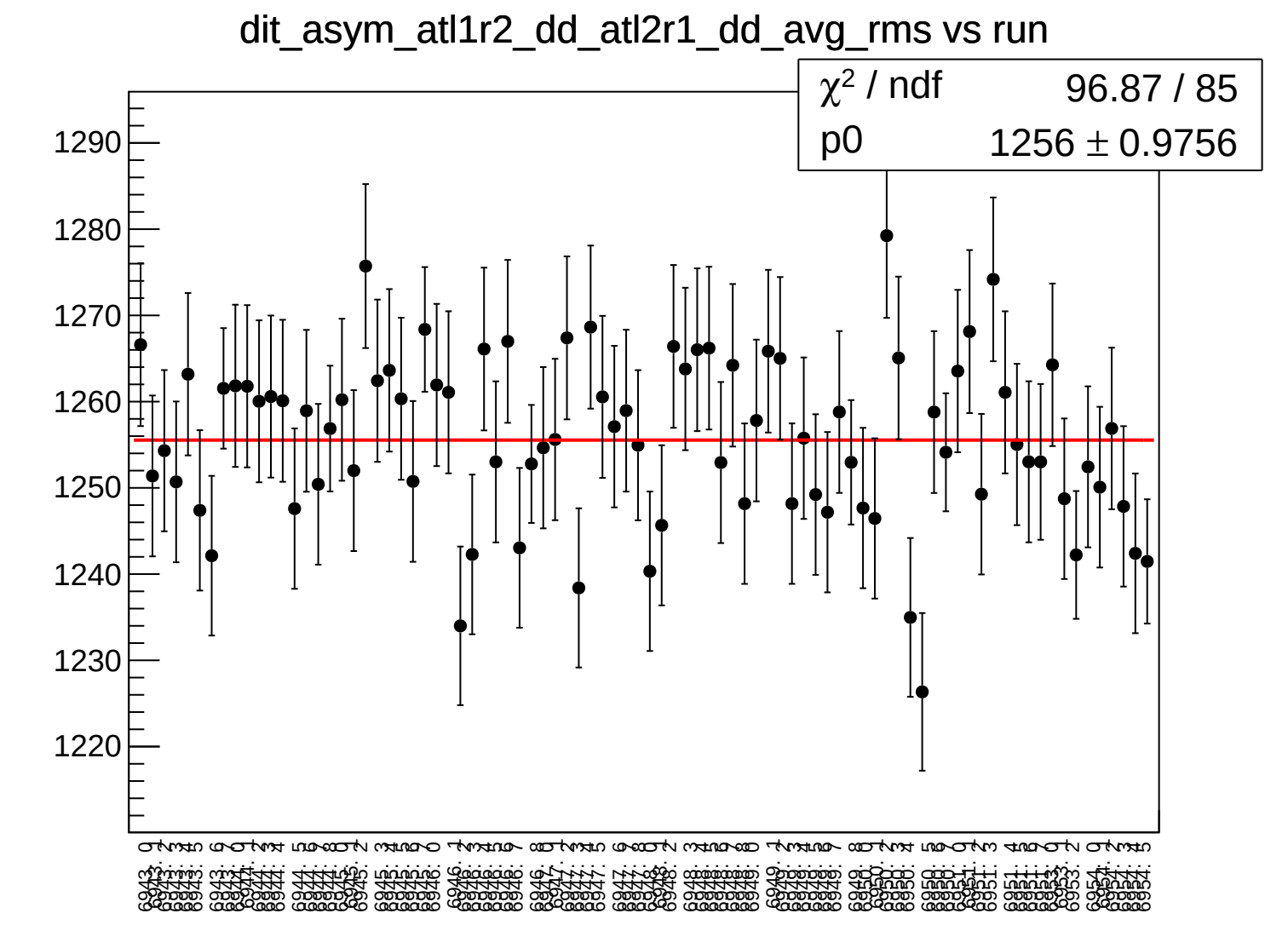

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 89.01 / 85
p0 −856.6 ± 487.5
pull
Entries 86
Mean 128.1
Std Dev 0

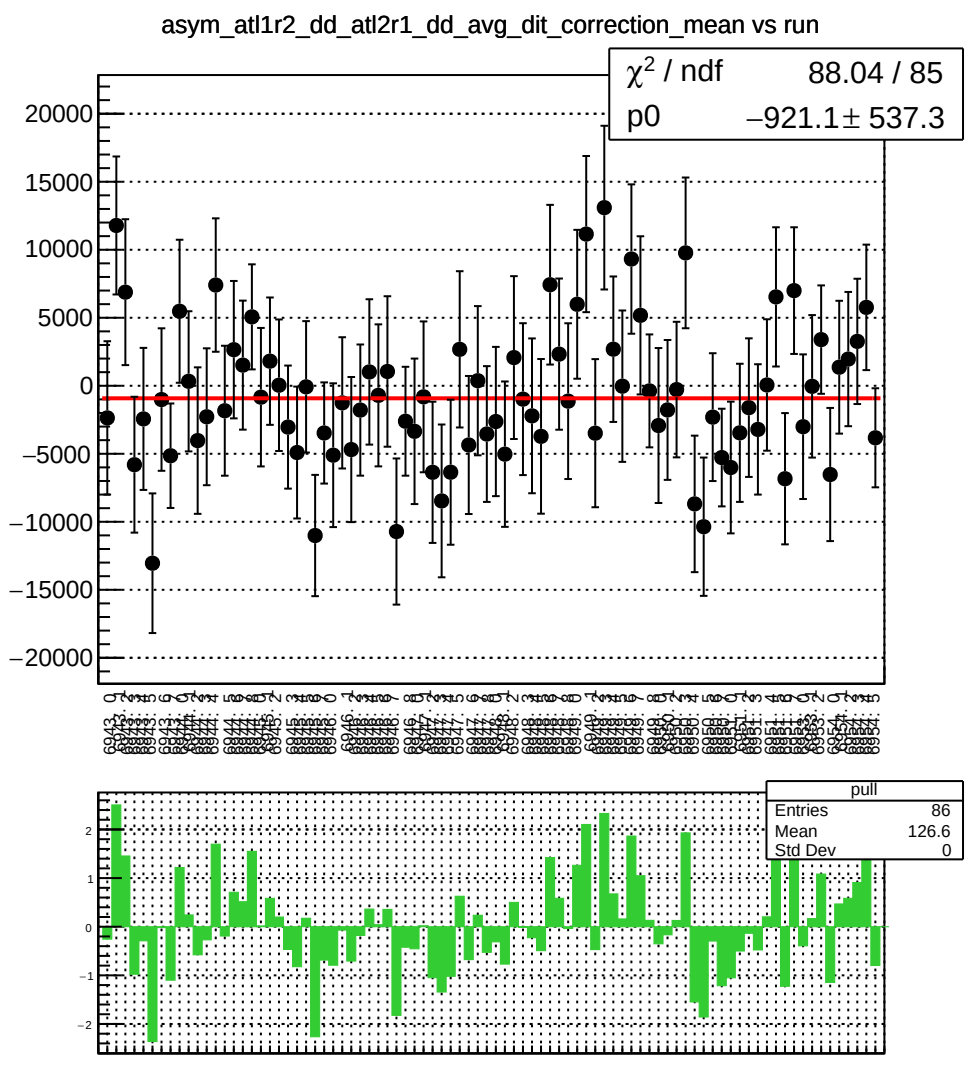

pull1D
Entries 86
Mean 0.02454
Std Dev 1.017

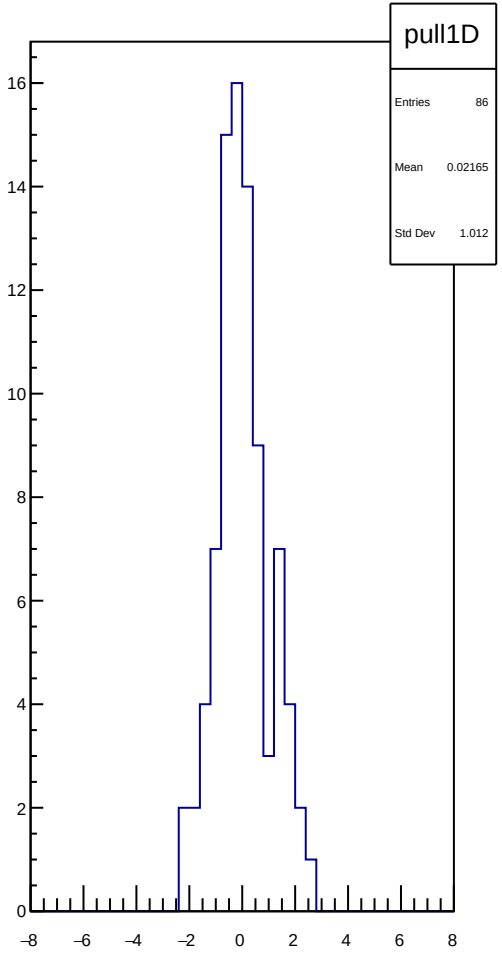

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 9591 / 85
p0 442.3 ± 0.3447
560
540
520
500
480
460
440
420
400
380
360

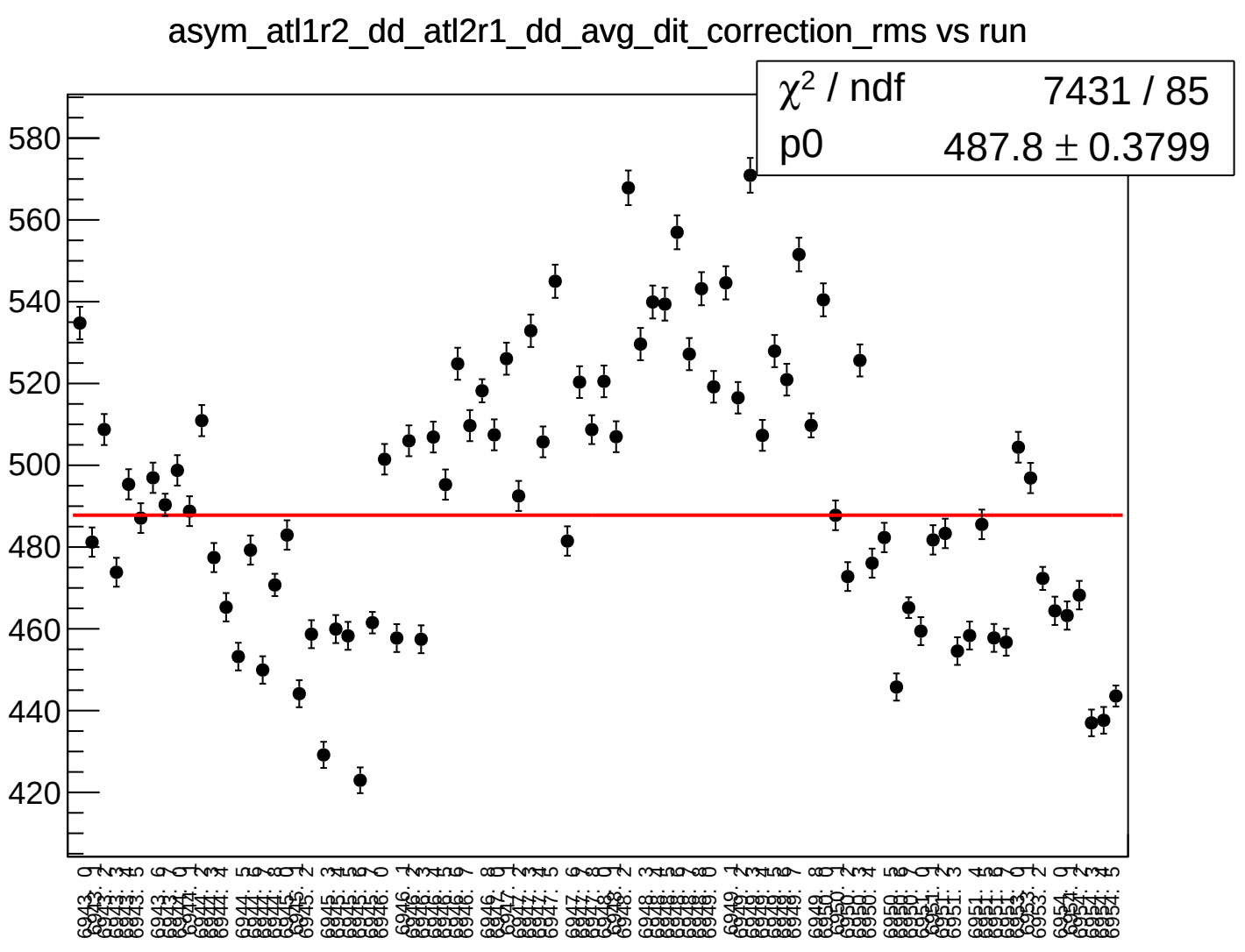

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 88.17 / 85
p0 −954.3 ± 1380
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −61.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

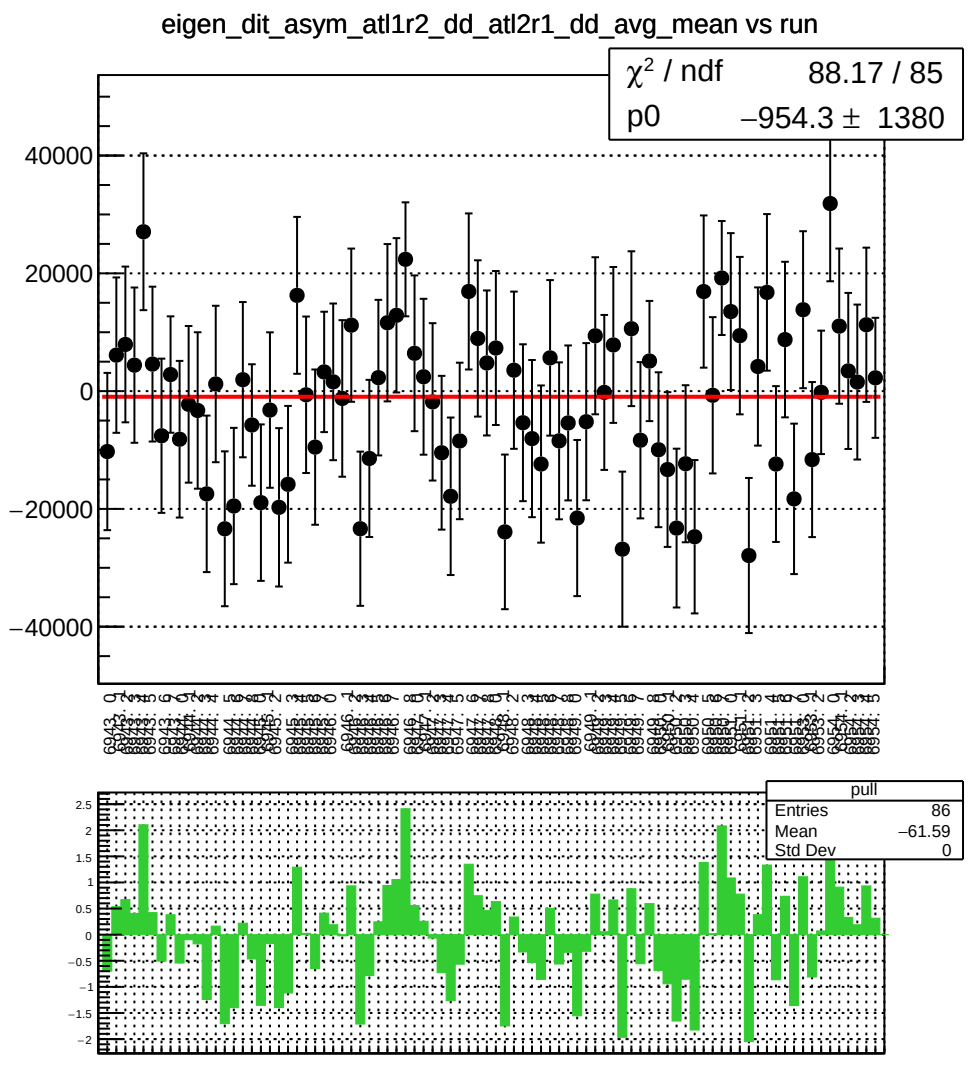

pull1D
Entries 86
Mean −0.0242
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

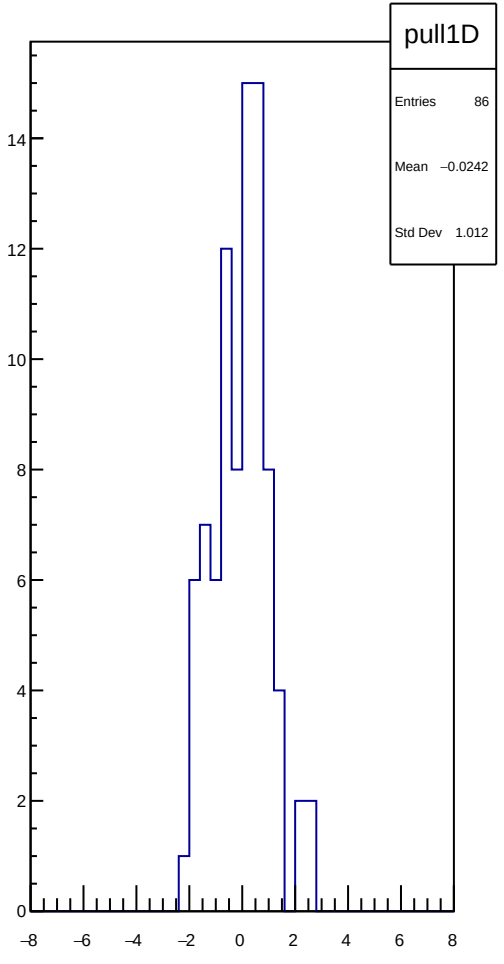

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 96.87 / 85
p0 1256 ± 0.9756
1290
1280
1270
1260
1250
1240
1230
1220

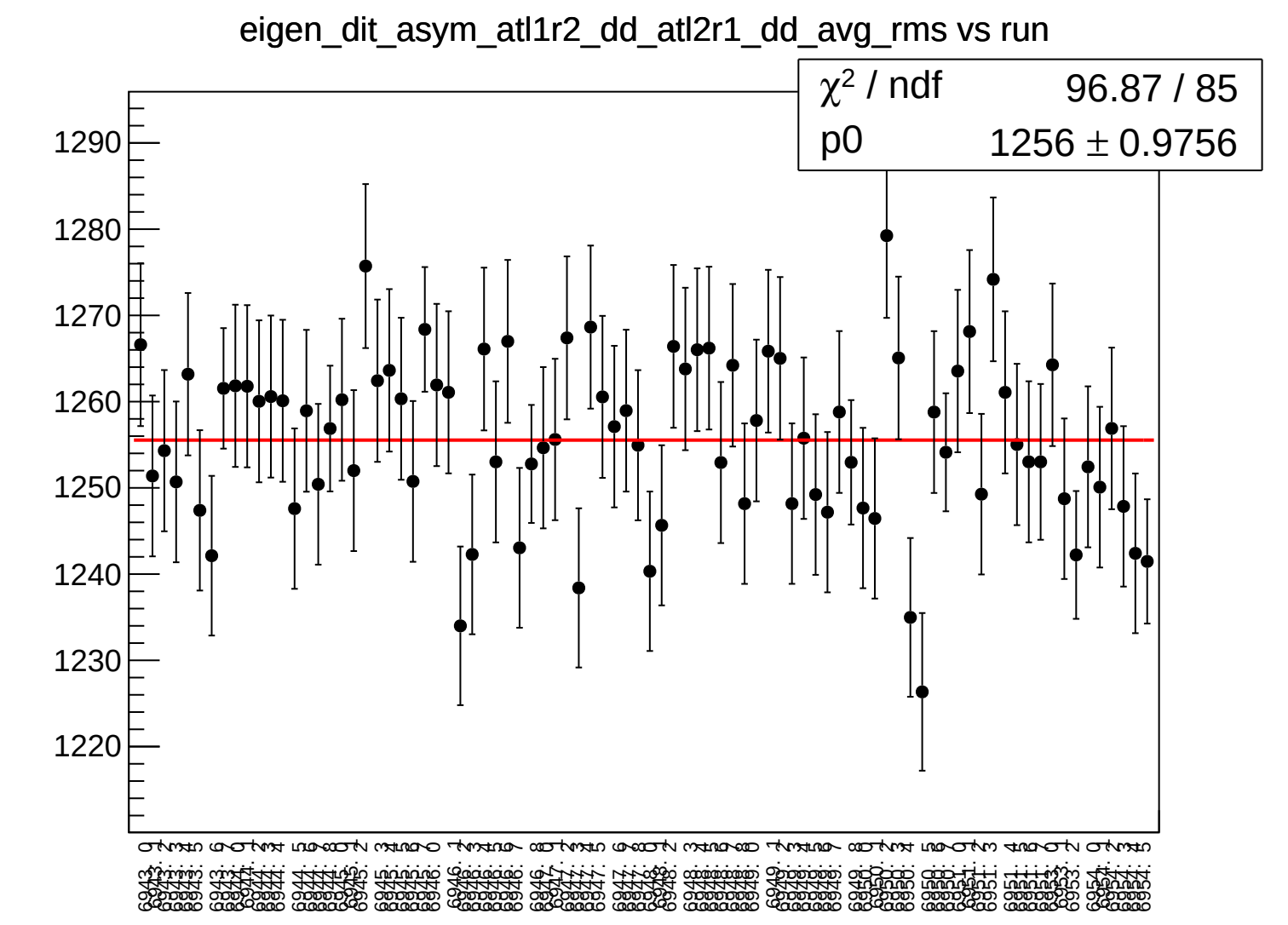

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −921.1 ± 537.3
pull
Entries 86
Mean 126.6
Std Dev 0

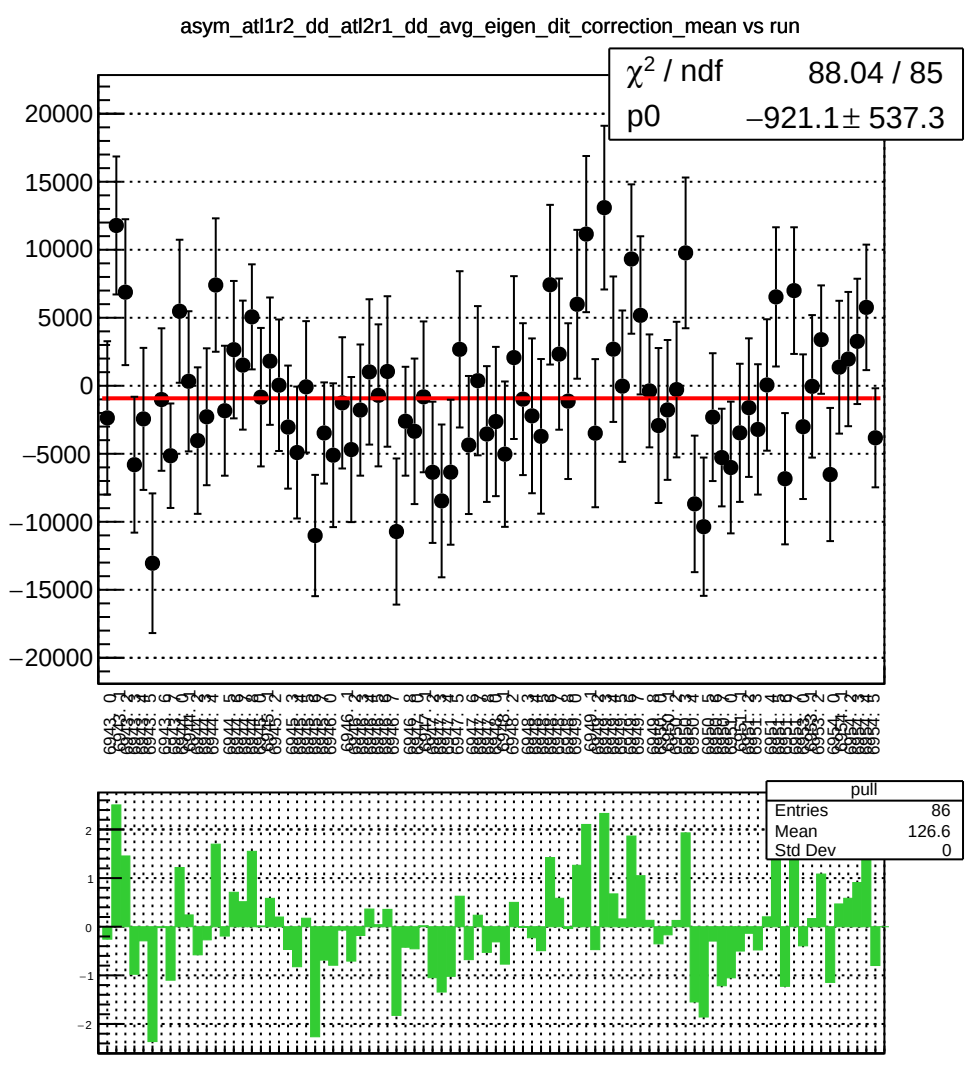

pull1D
Entries 86
Mean 0.02165
Std Dev 1.012

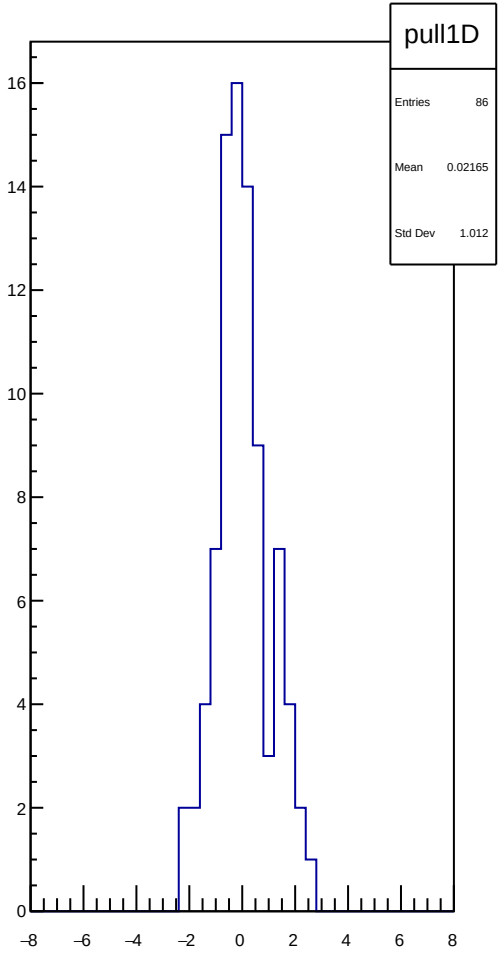

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 7431 / 85
p0 487.8 ± 0.3799
580
560
540
520
500
480
460
440
420

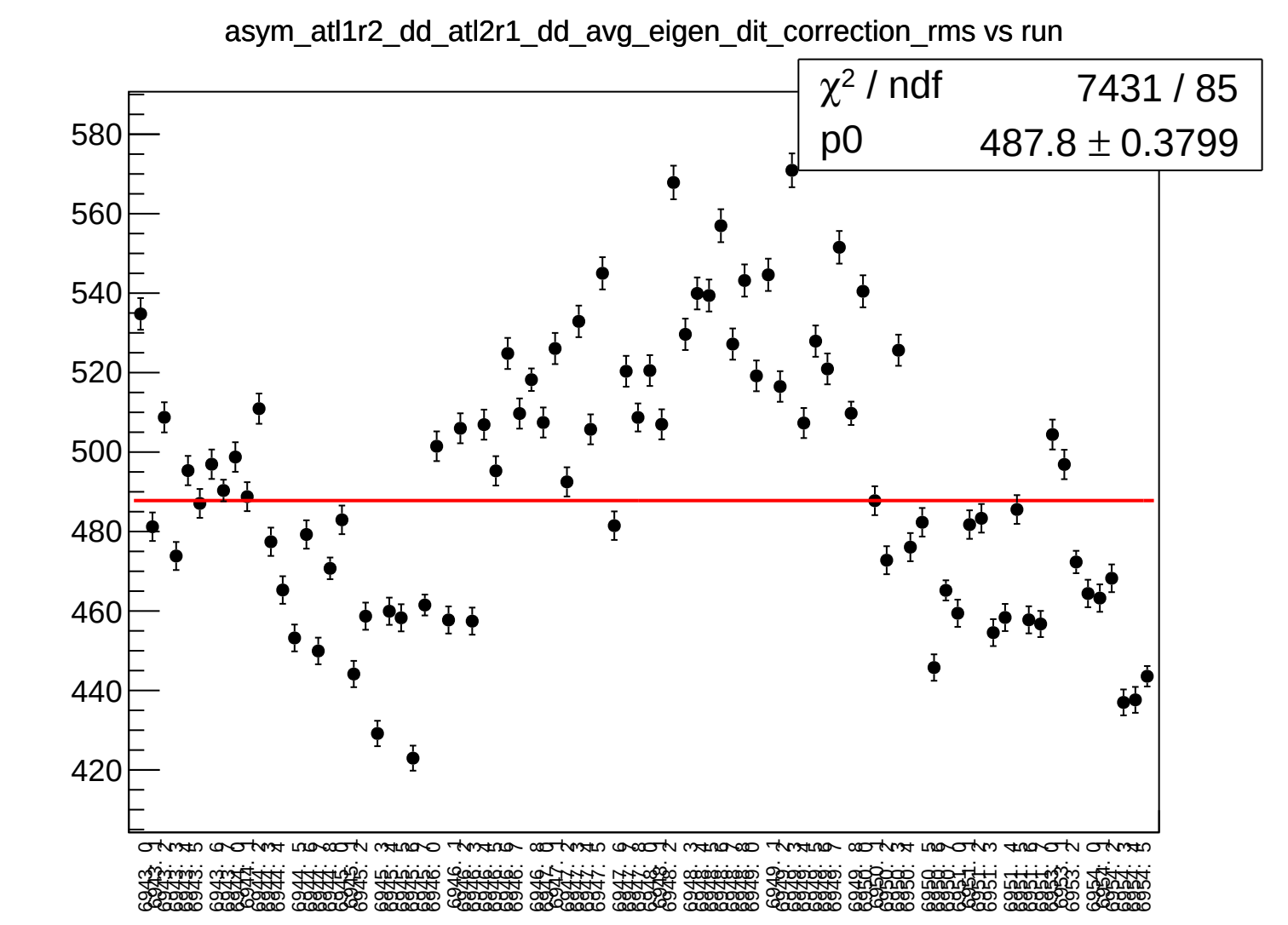

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 88.17 / 85
p0 −954.3 ± 1380
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −61.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

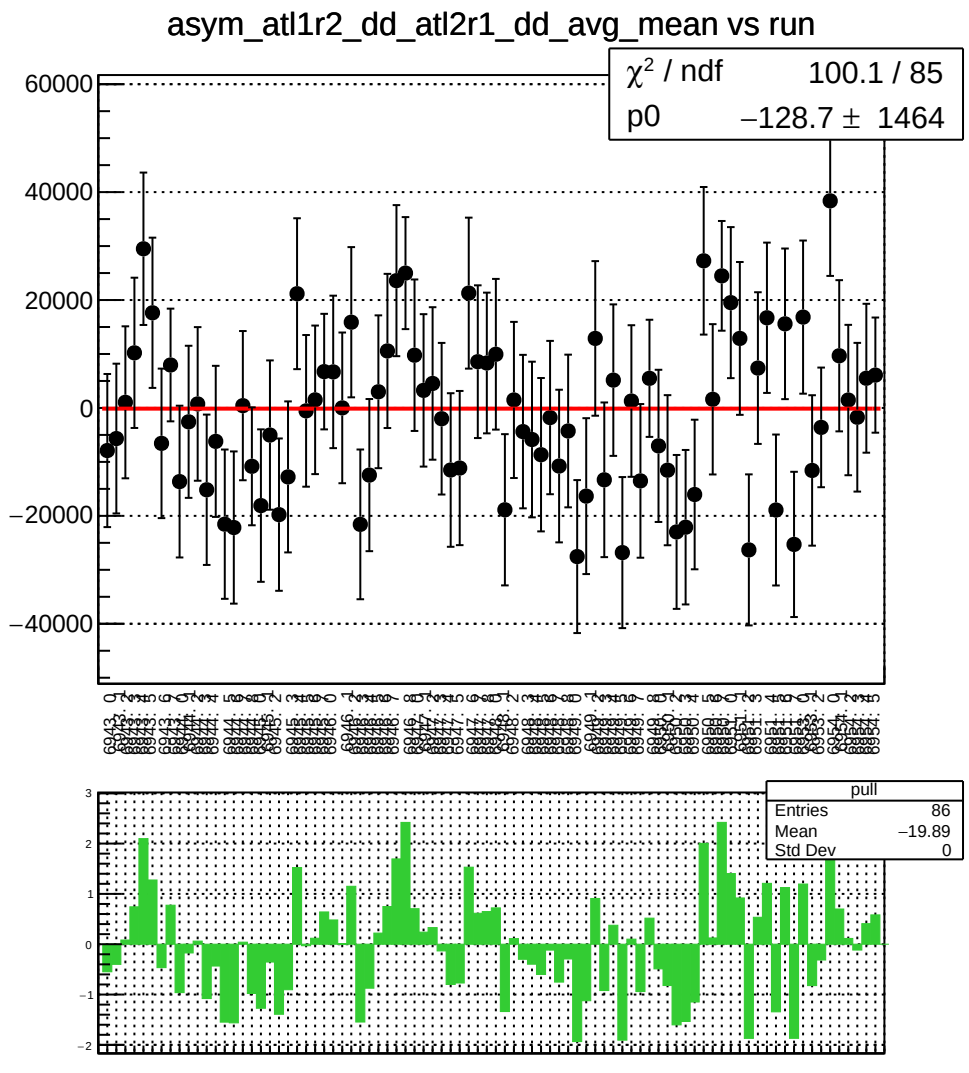

pull1D
Entries 86
Mean −0.0242
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

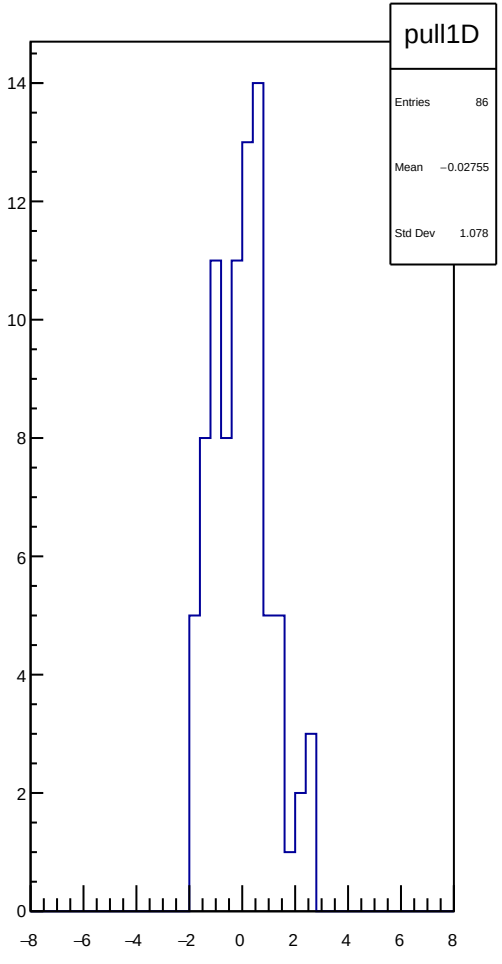

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 96.87 / 85
p0 1256 ± 0.9756
1290
1280
1270
1260
1250
1240
1230
1220

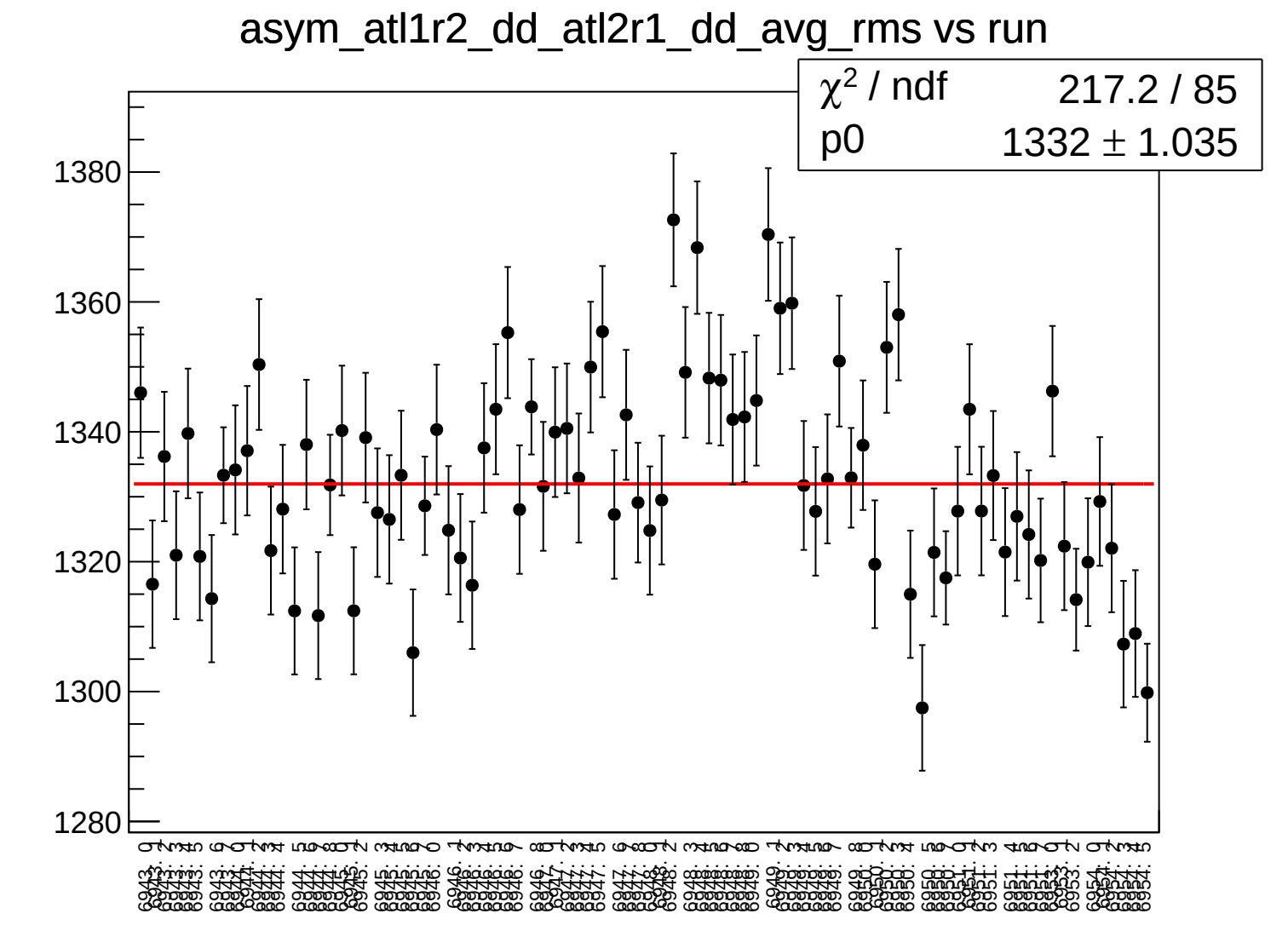

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −921.1 ± 537.3
pull
Entries 86
Mean 126.6
Std Dev 0

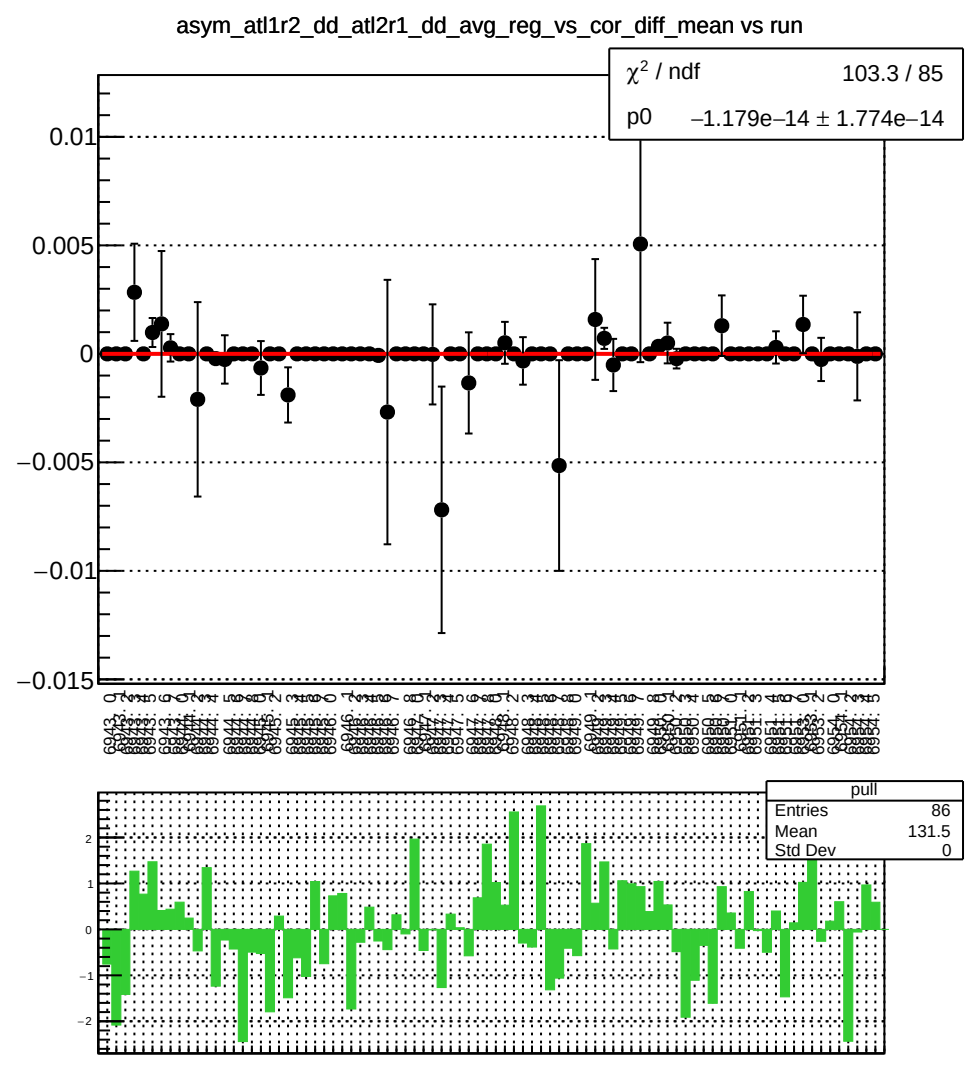

pull1D
Entries 86
Mean 0.02165
Std Dev 1.012

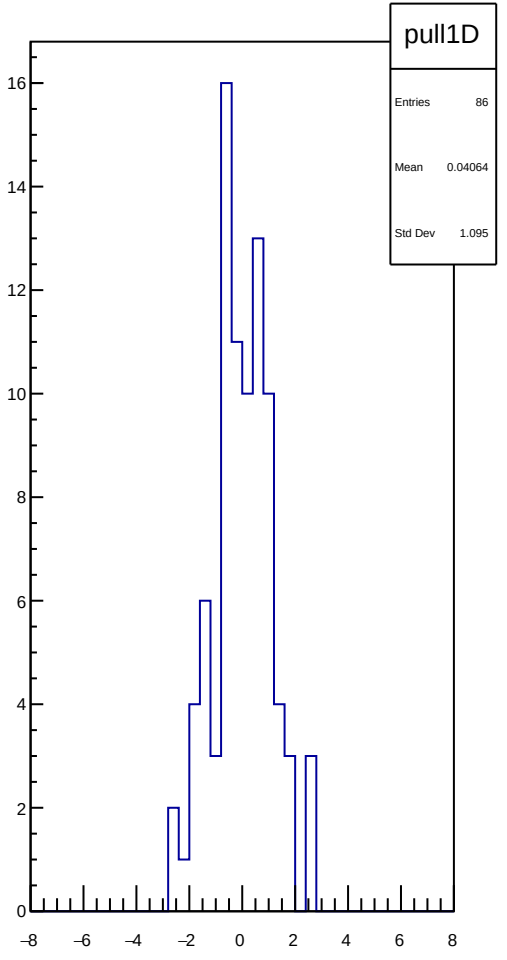

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7431 / 85
p0 487.8 ± 0.3799
580
560
540
520
500
480
460
440
420

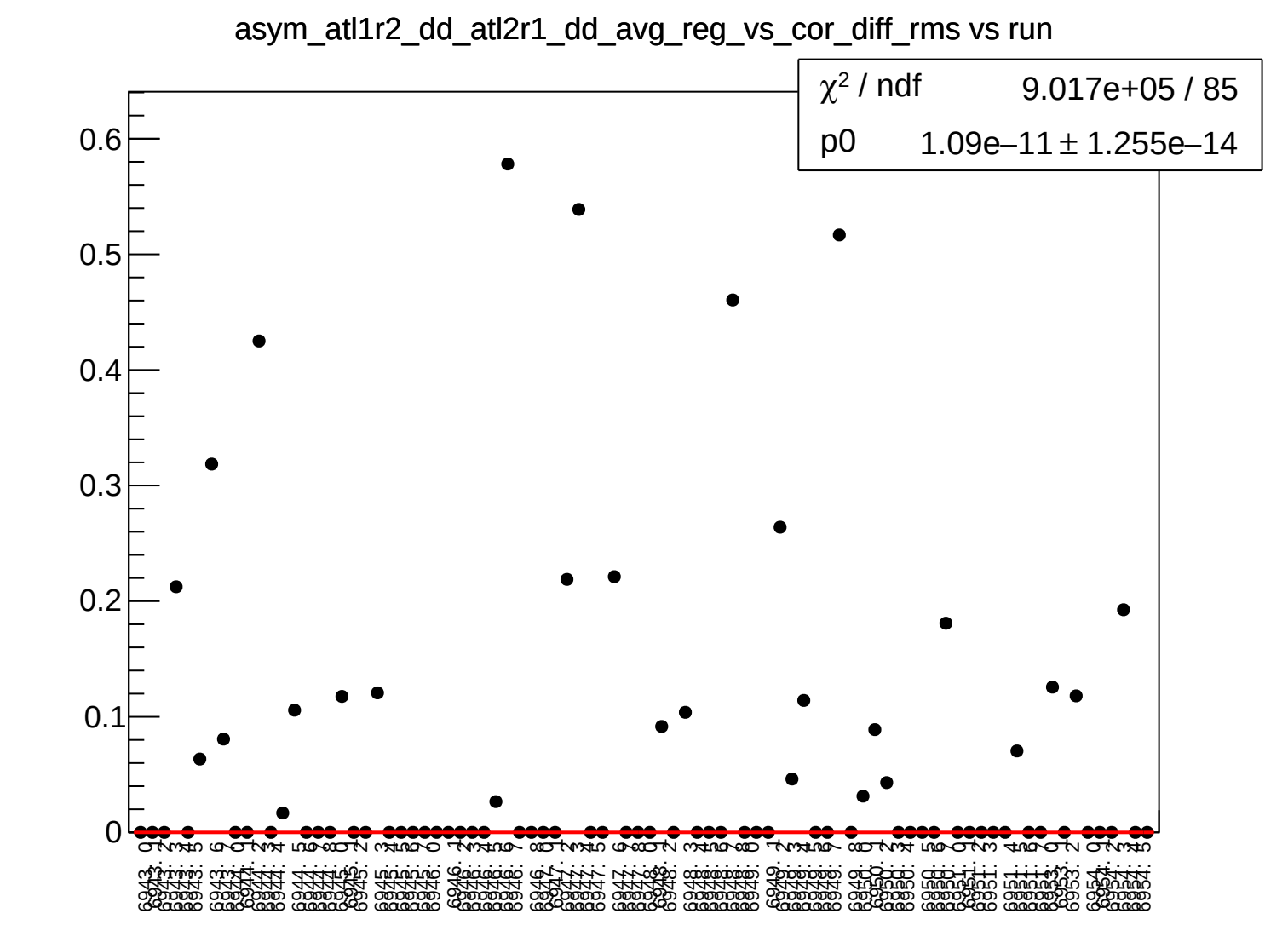

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 100.1 / 85
p0 −128.7 ± 1464
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −19.89
Std Dev 0
3
2
1
0
−1
−2

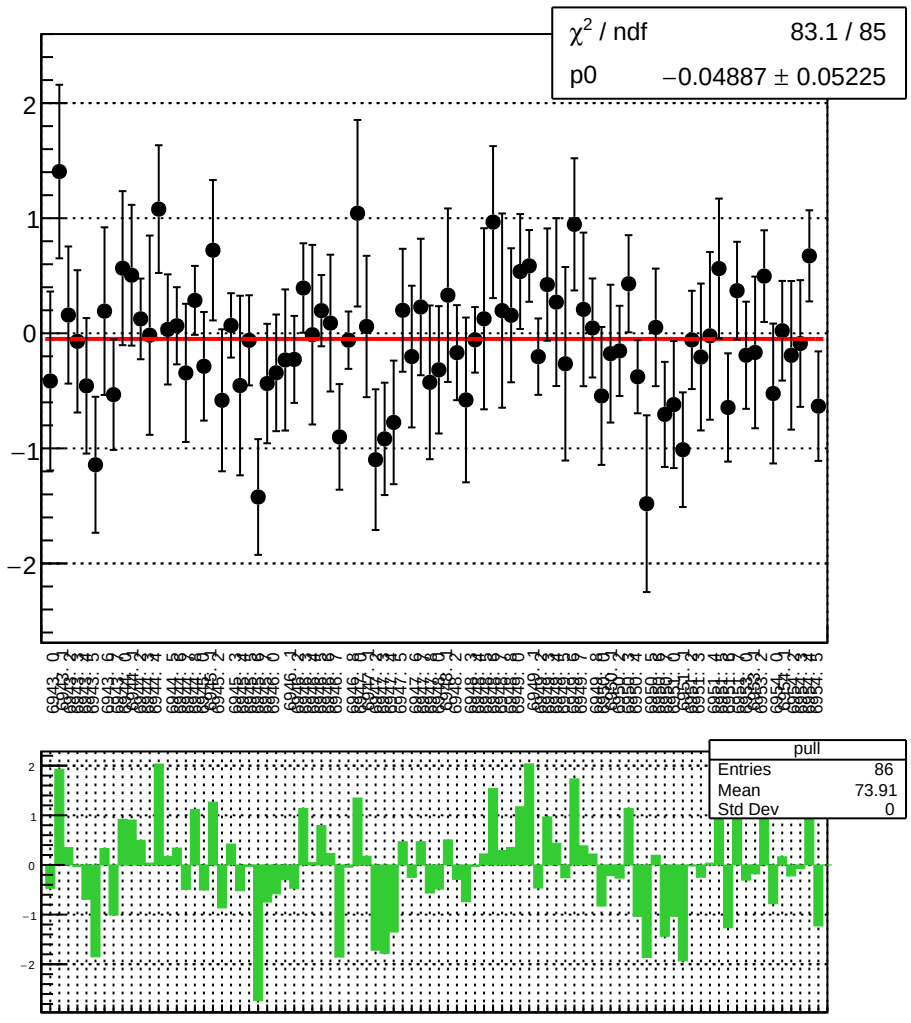

pull1D
Entries 86
Mean −0.02755
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

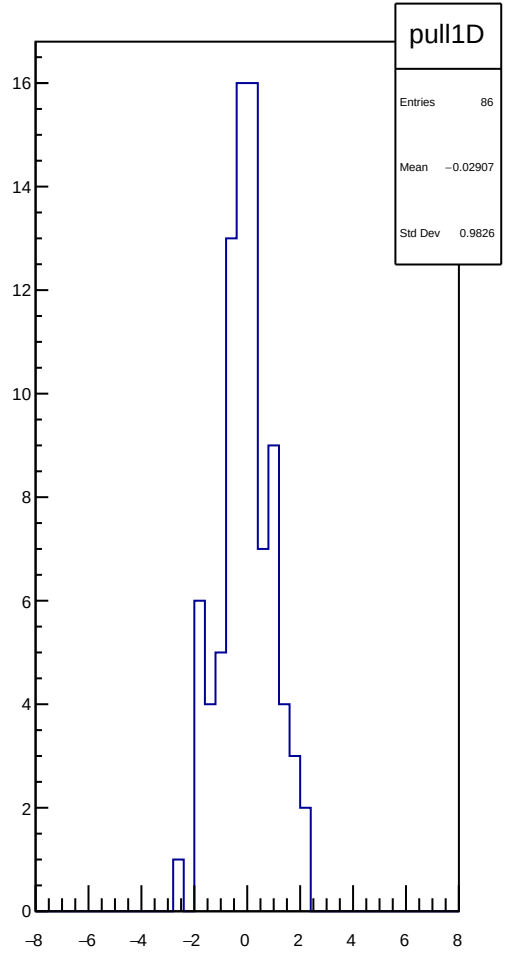

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 217.2 / 85
p0 1332 ± 1.035
1380
1360
1340
1320
1300
1280

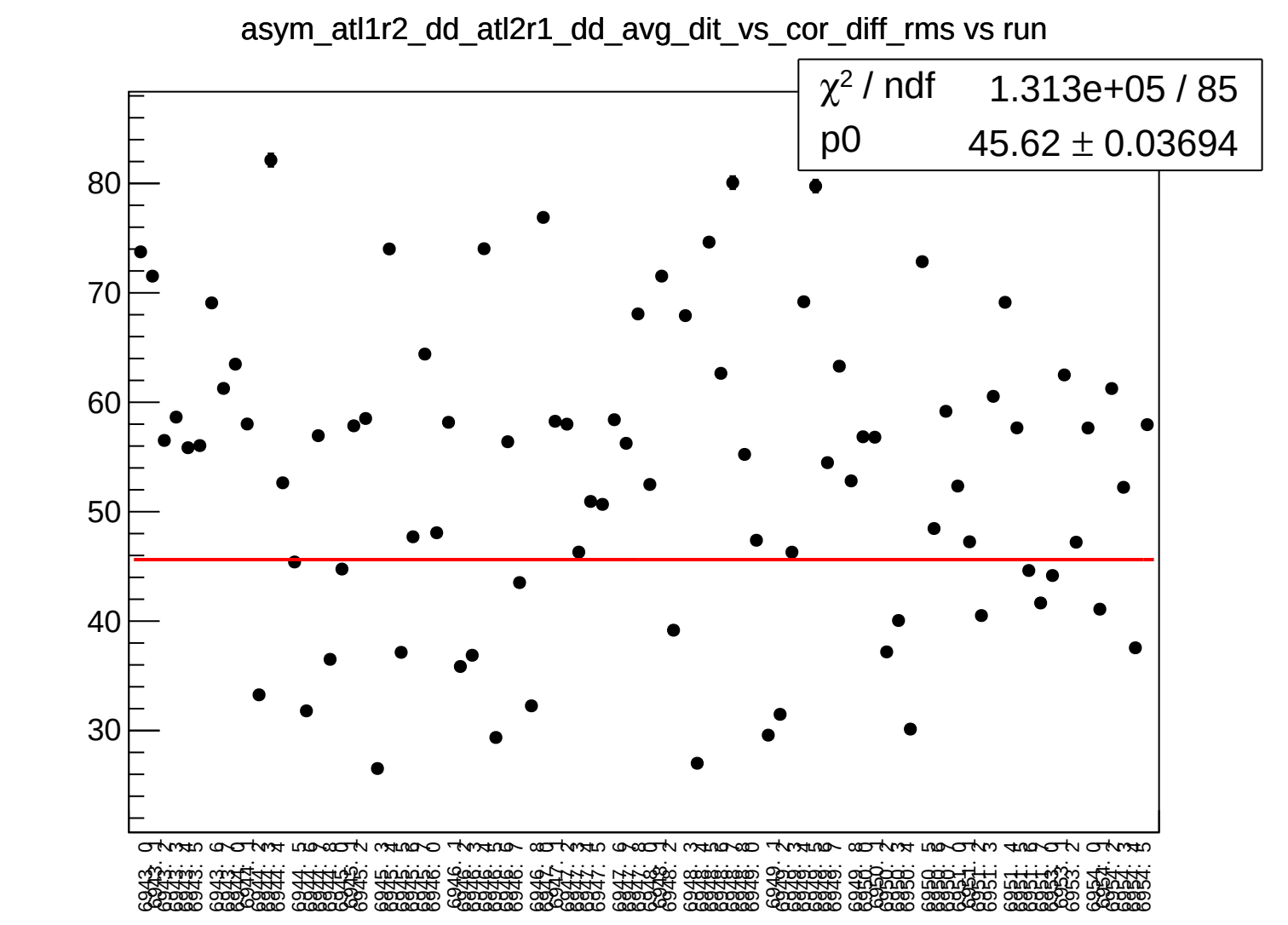

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 103.3 / 85
p0 −1.179e−14 ± 1.774e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 131.5
Std Dev 0
2
1
0
−1
−2

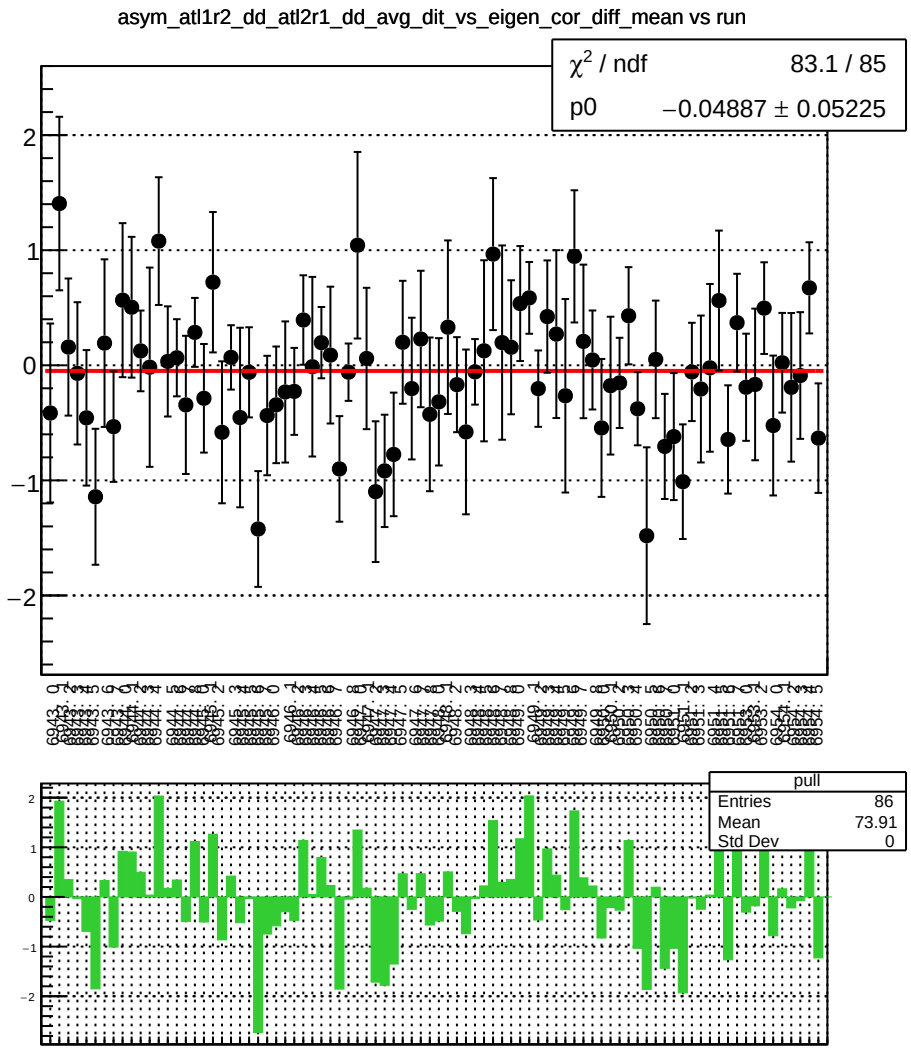

pull1D
Entries 86
Mean 0.04064
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

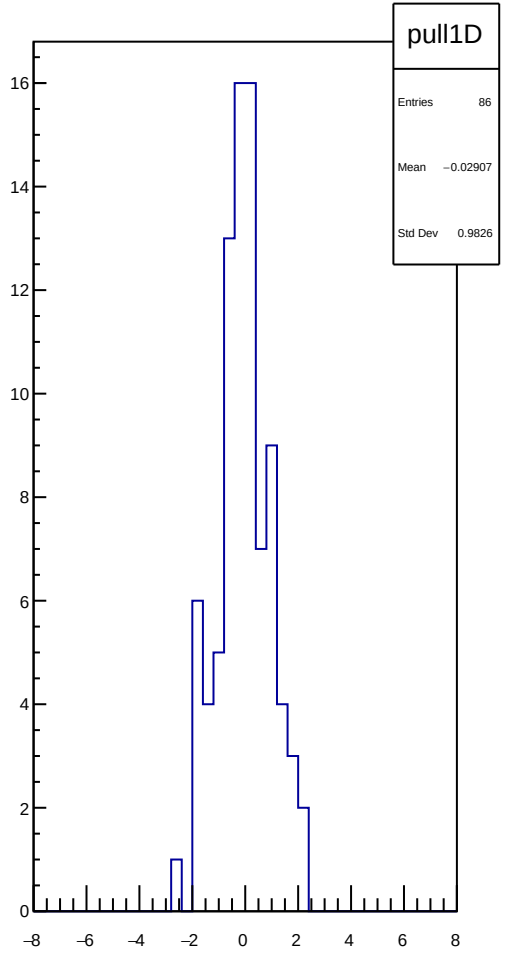

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.017e+05 / 85
p0 1.09e−11 ± 1.255e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

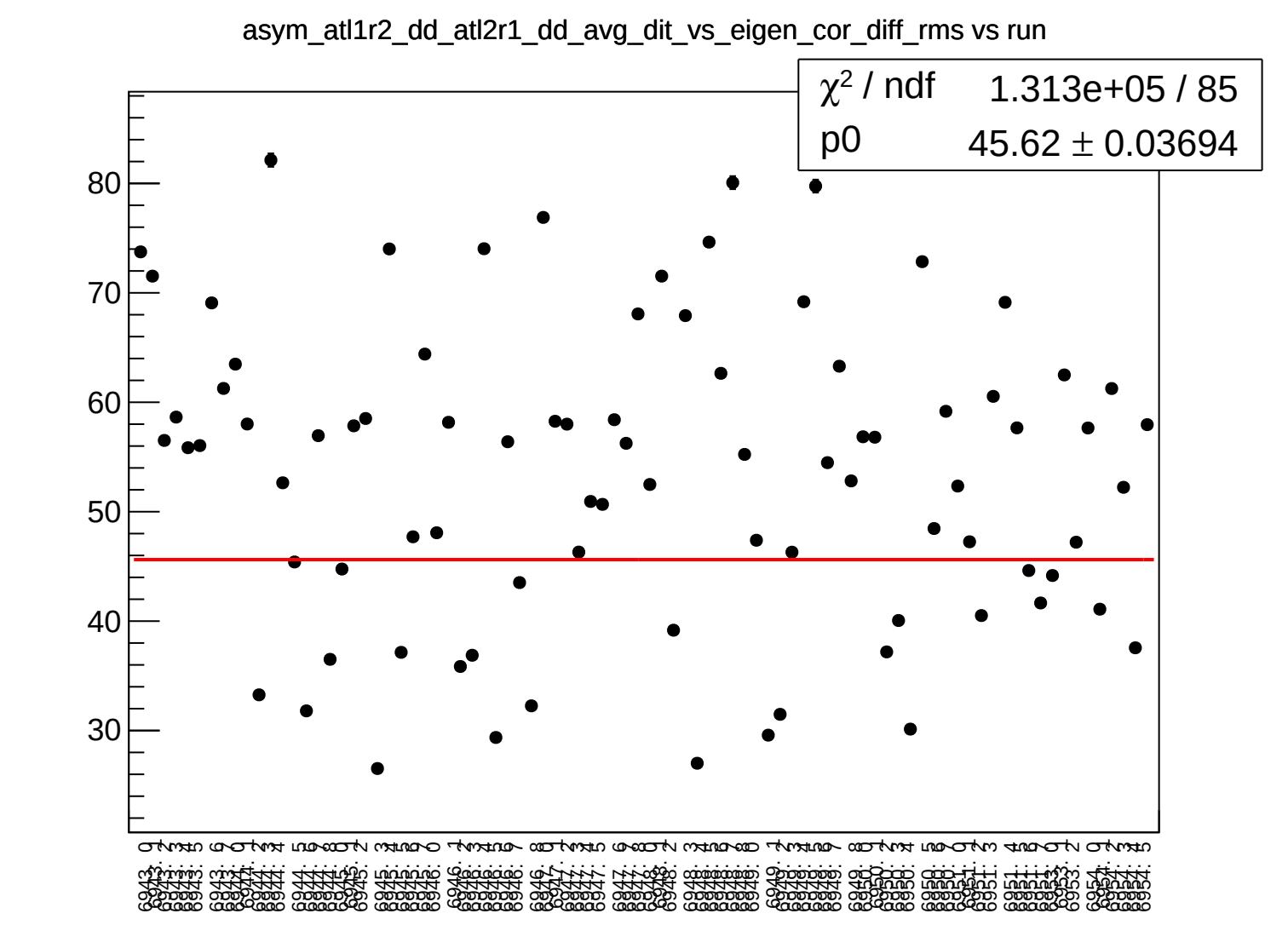

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.1 / 85
p0 −0.04887 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

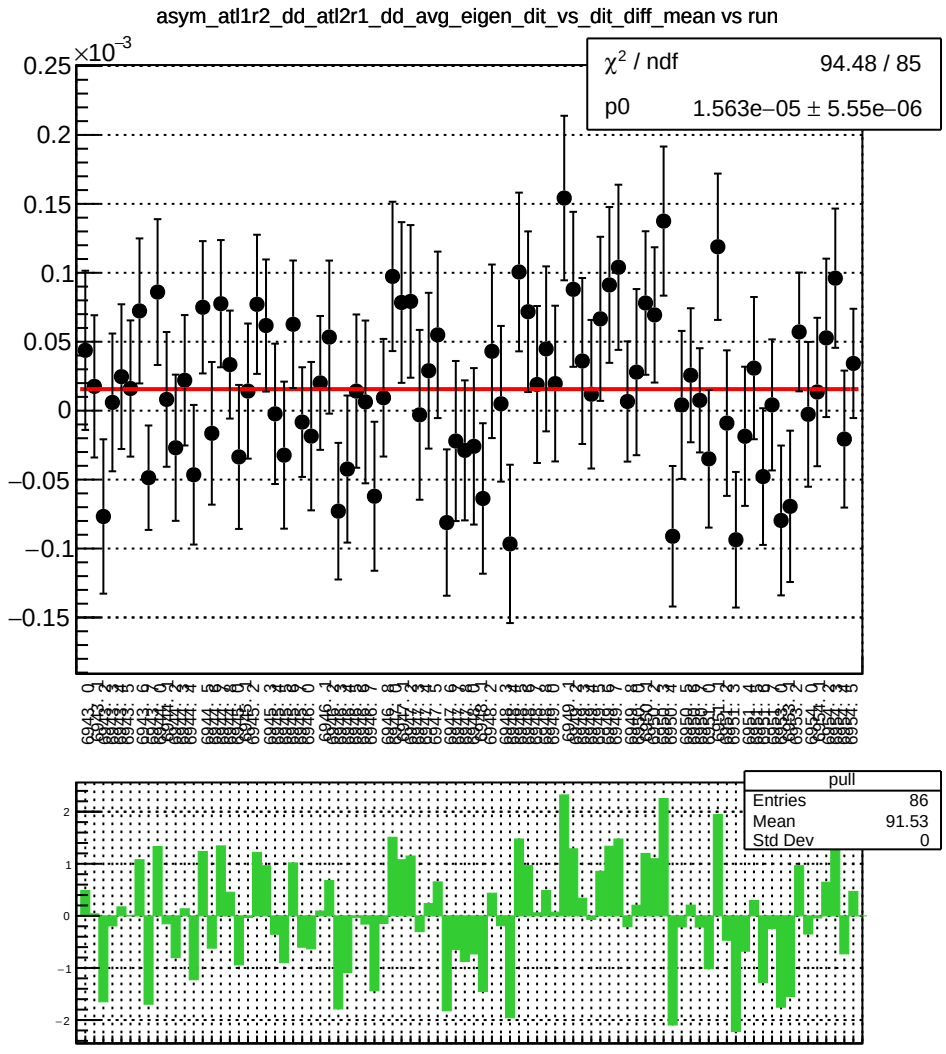

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

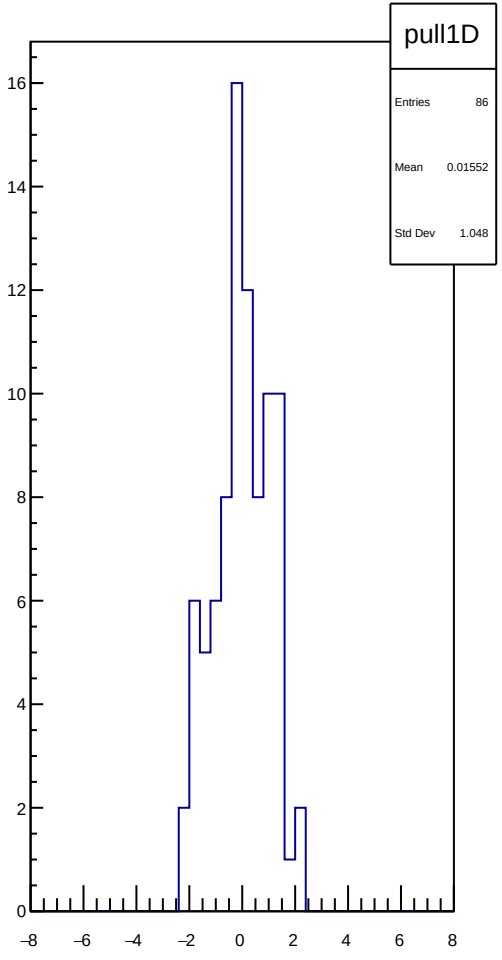

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

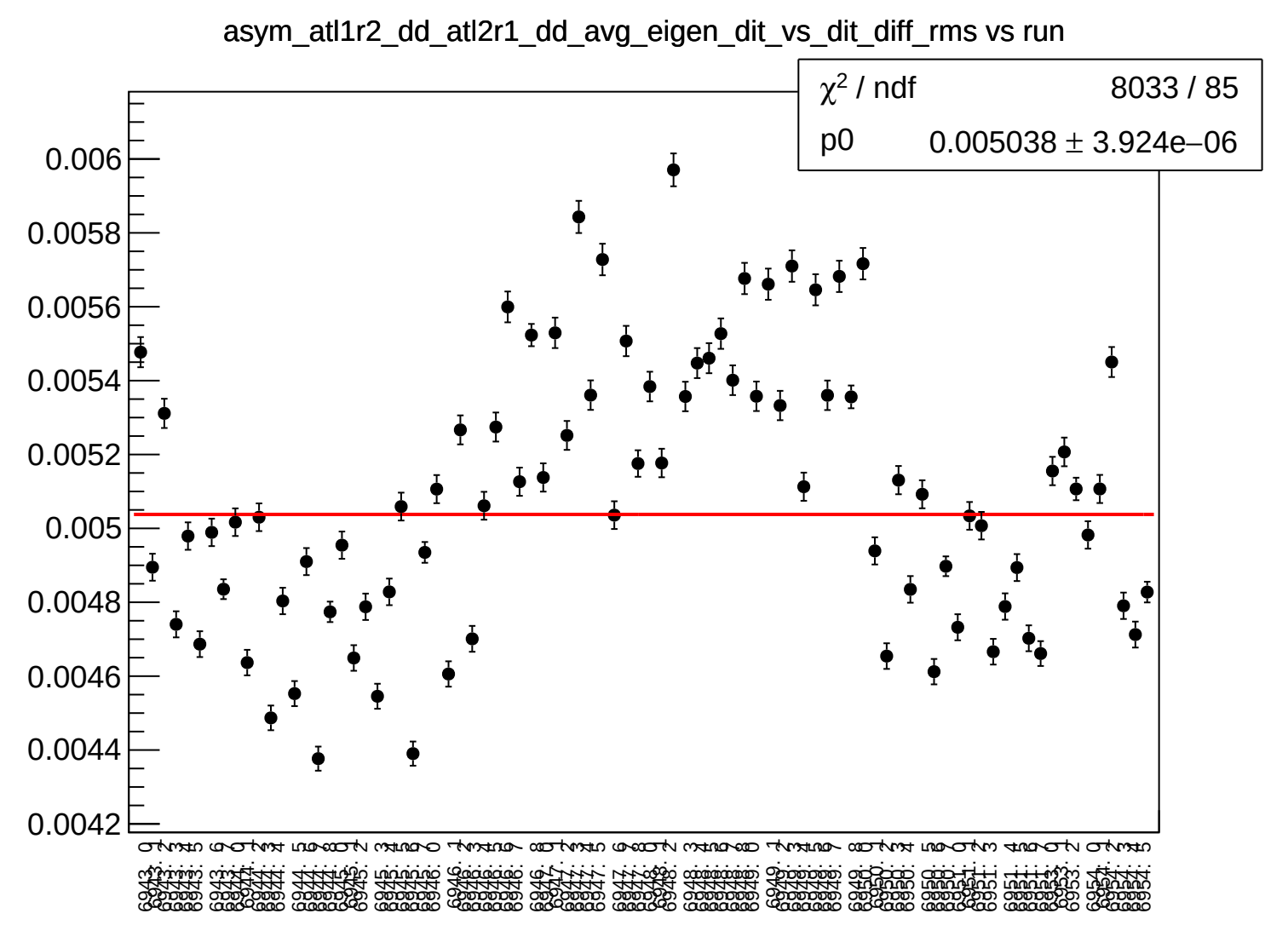

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.1 / 85
p0 −0.04887 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

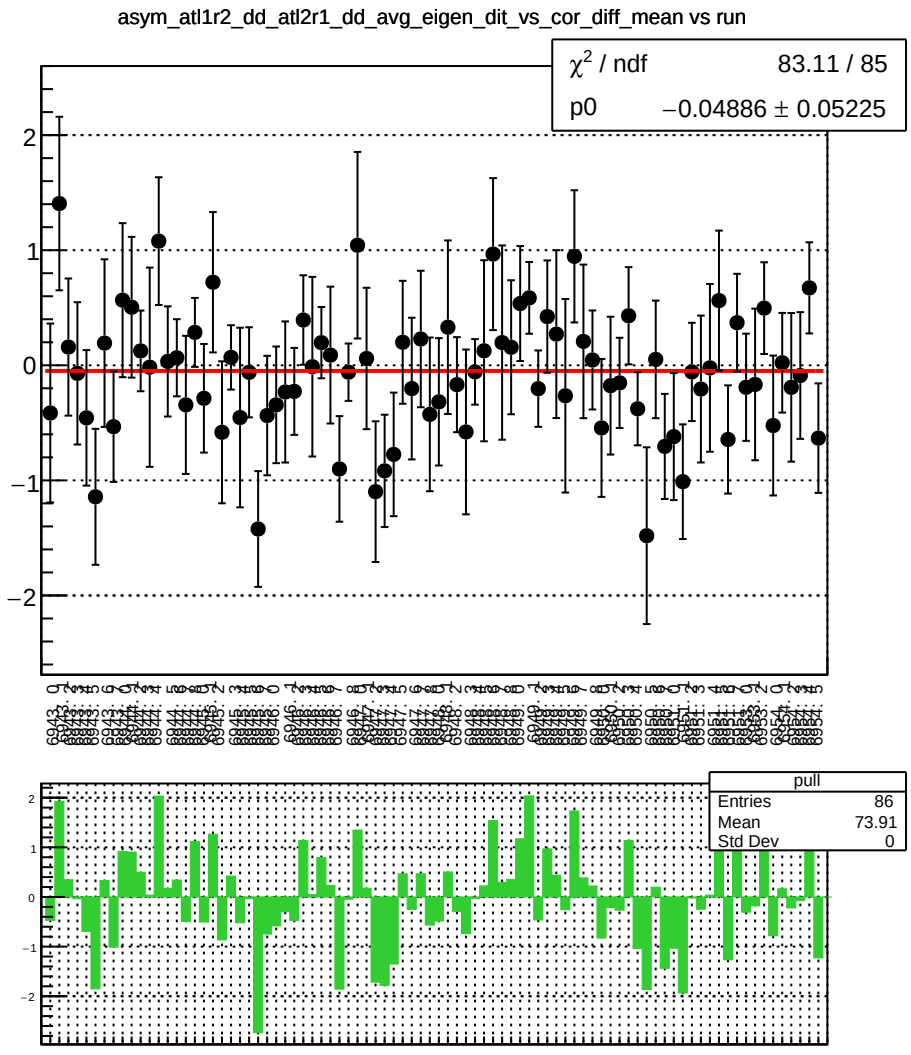

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

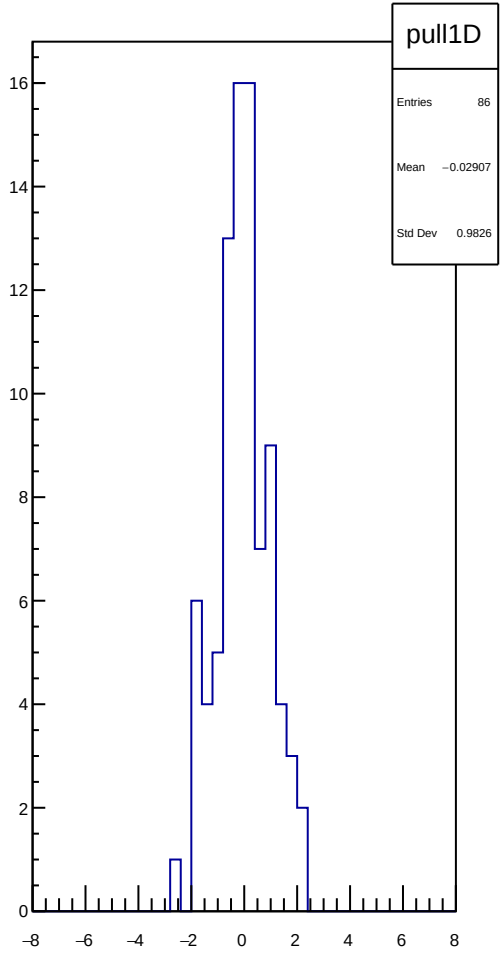

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

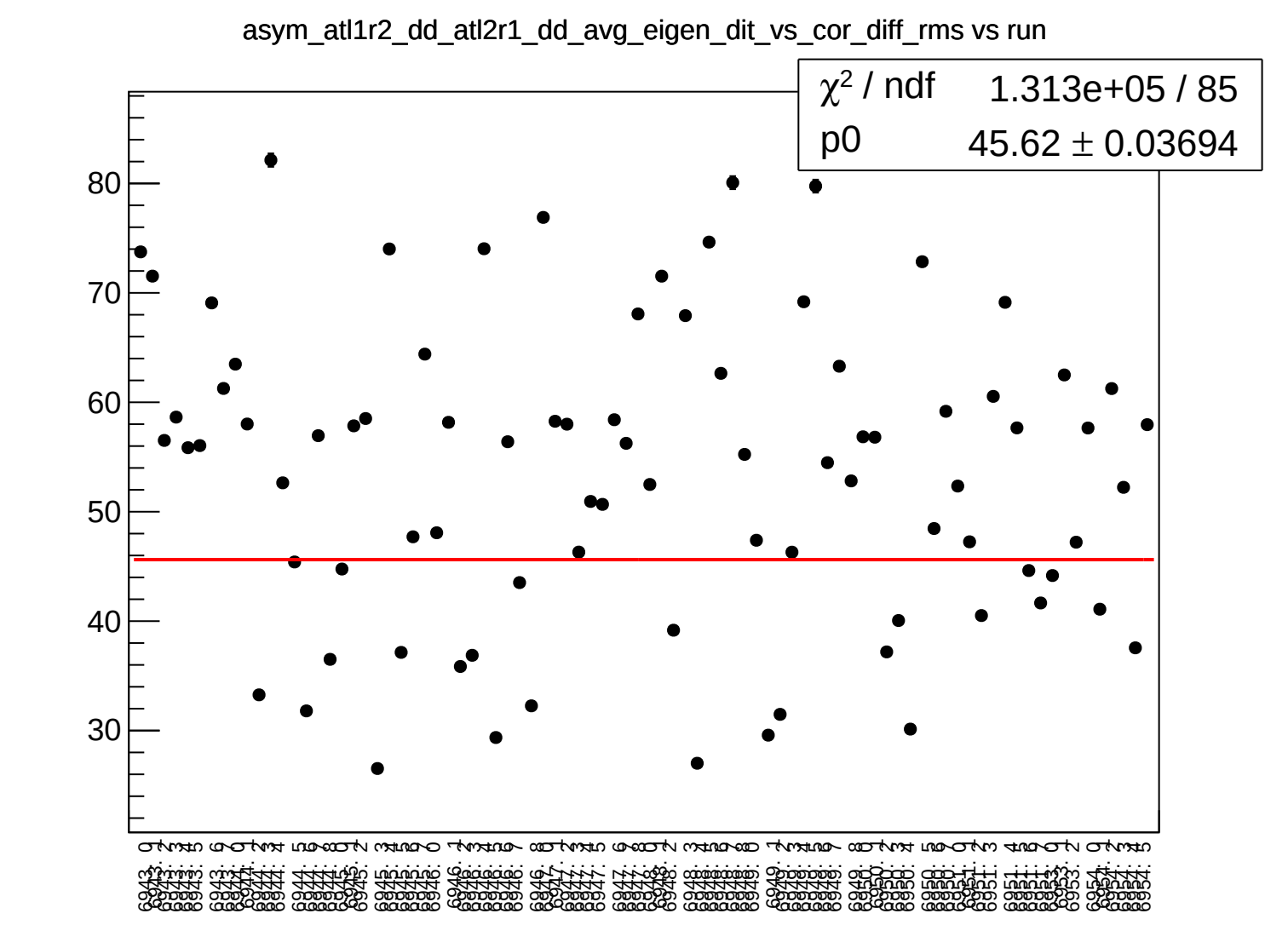

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.48 / 85
p0 1.563e−05 ± 5.55e−06
×10⁻³
pull
Entries 86
Mean 91.53
Std Dev 0

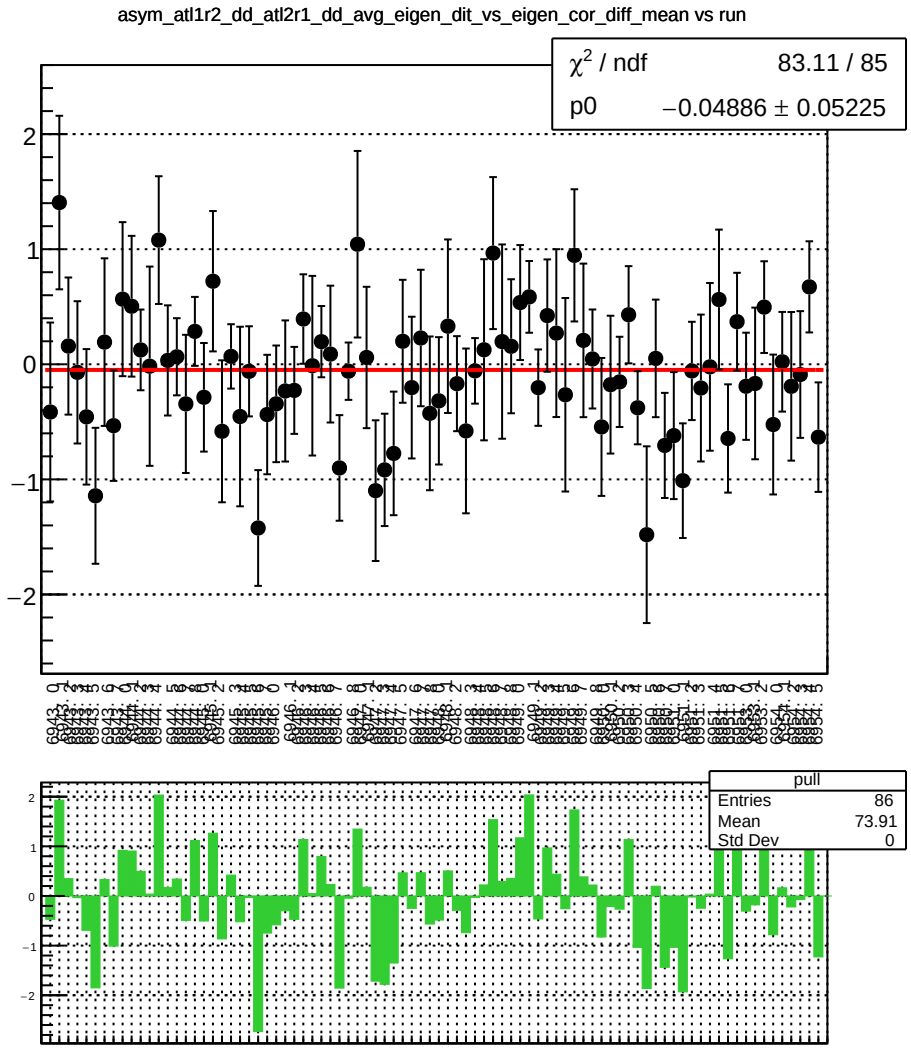

pull1D
Entries 86
Mean 0.01552
Std Dev 1.048

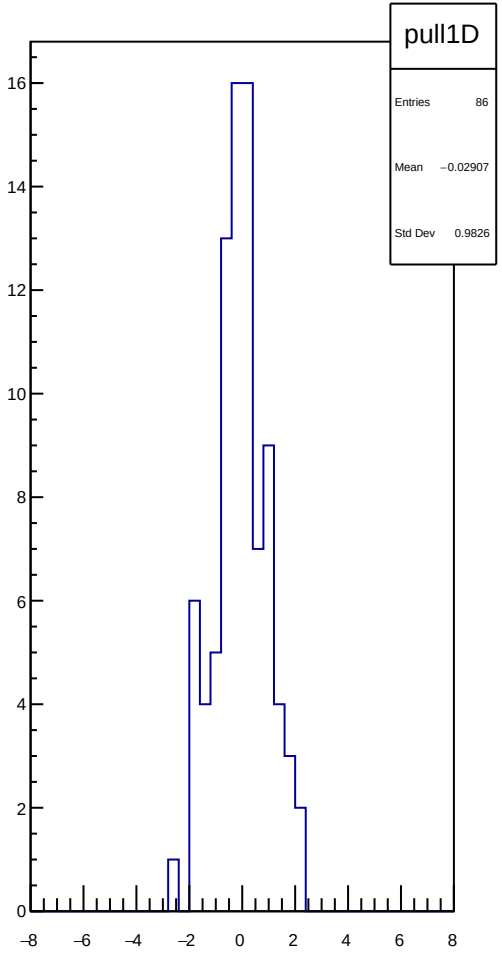

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8033 / 85
p0 0.005038 ± 3.924e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

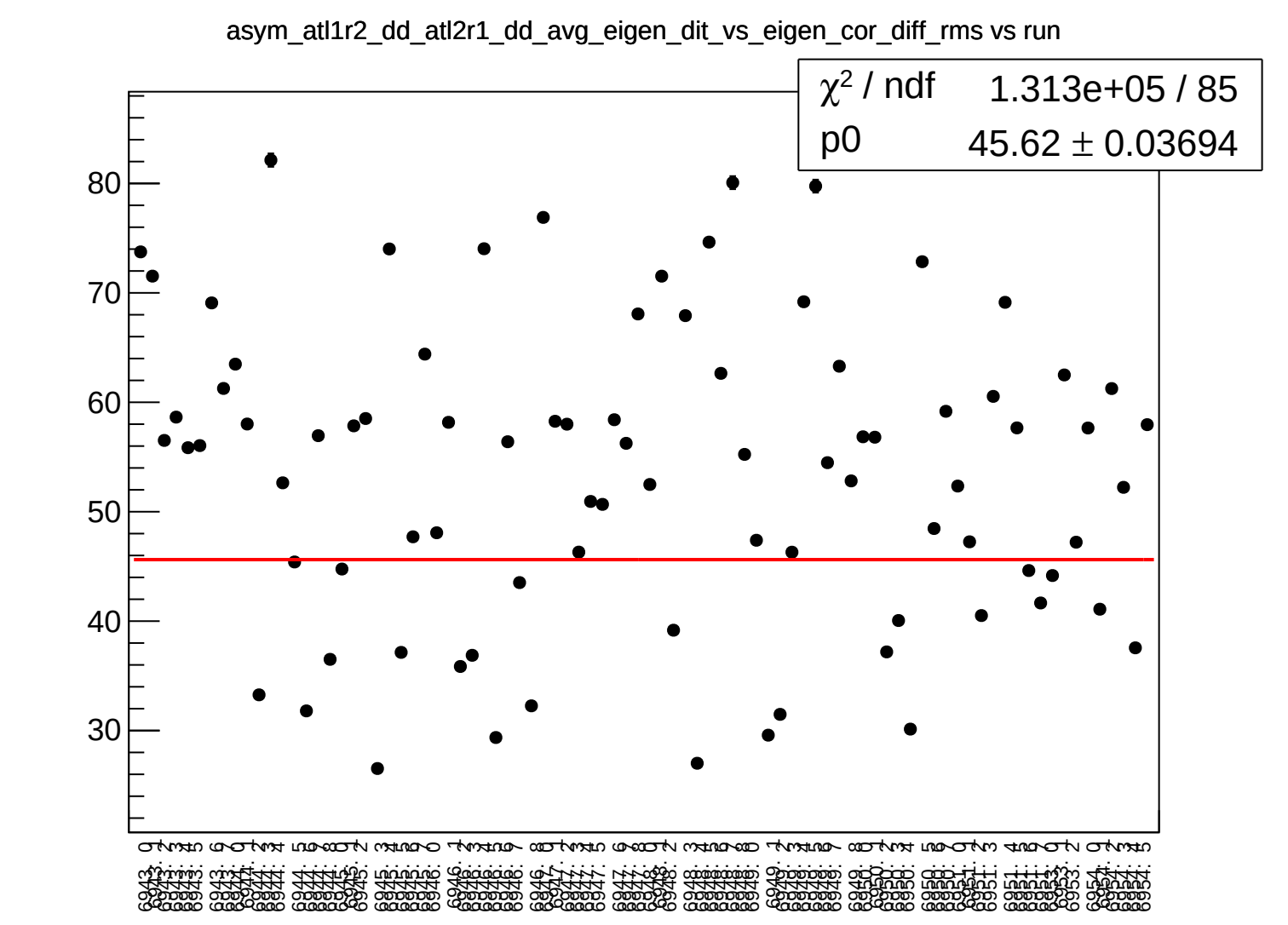

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.11 / 85
p0 −0.04886 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

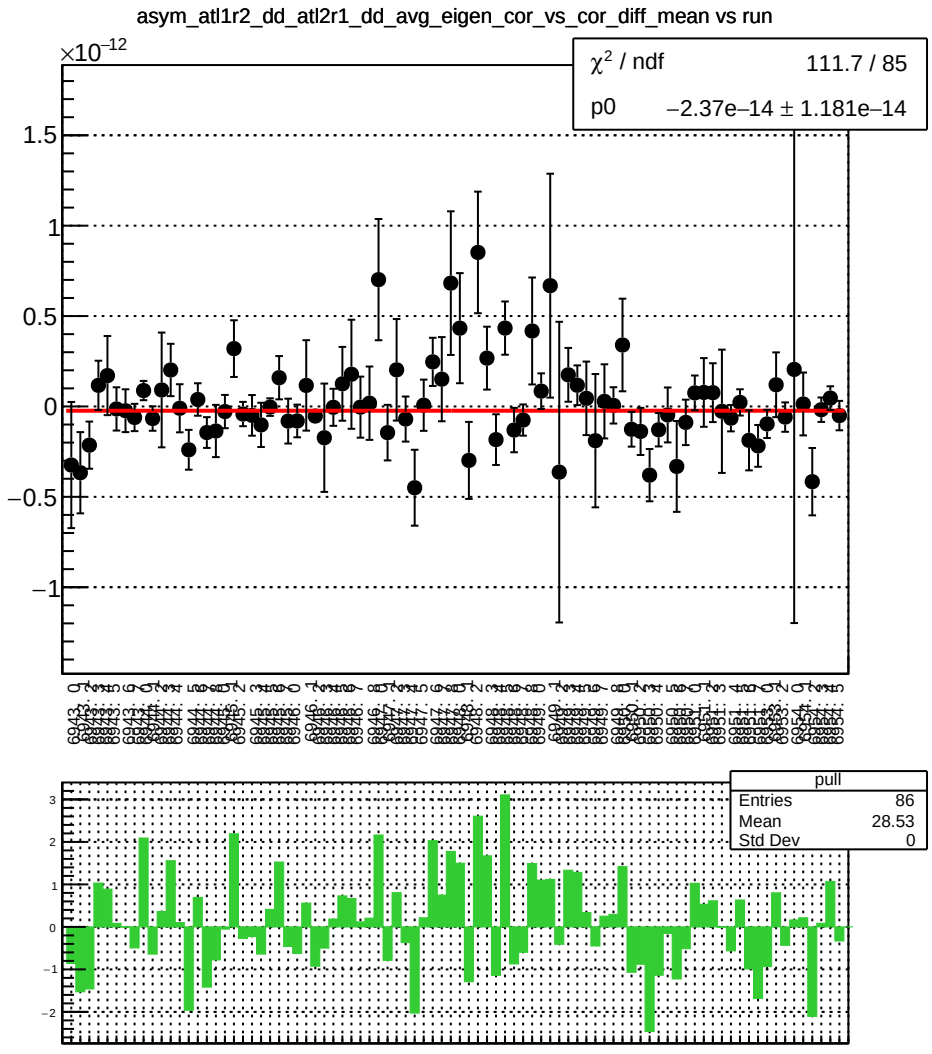

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

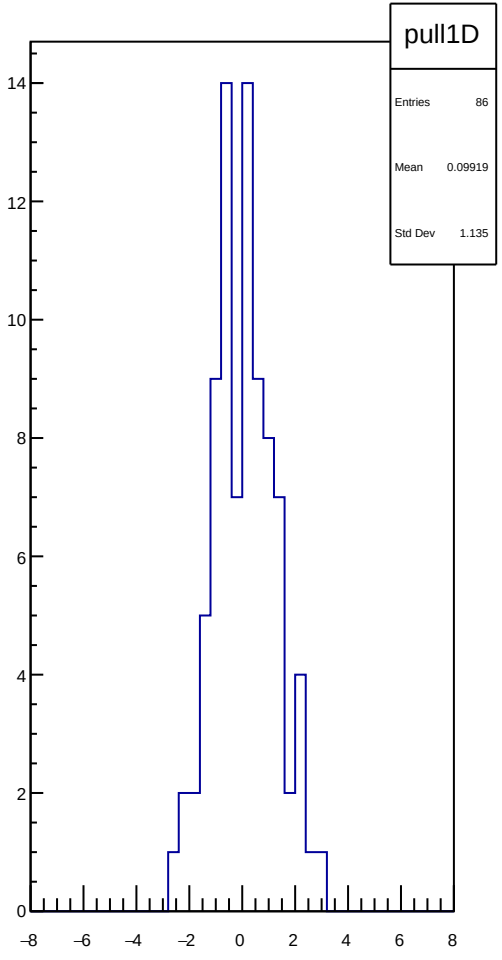

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

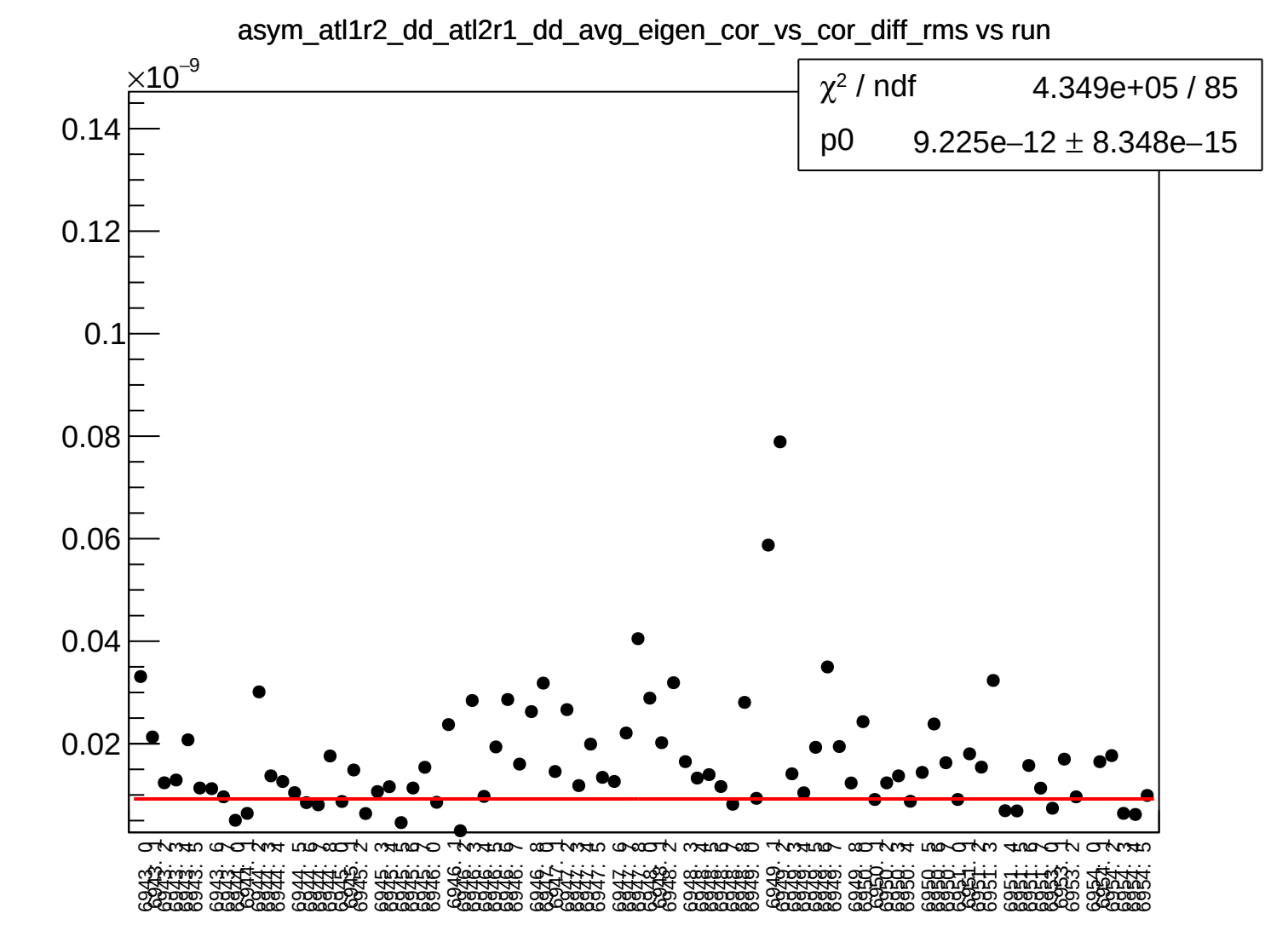

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.11 / 85
p0 −0.04886 ± 0.05225
pull
Entries 86
Mean 73.91
Std Dev 0

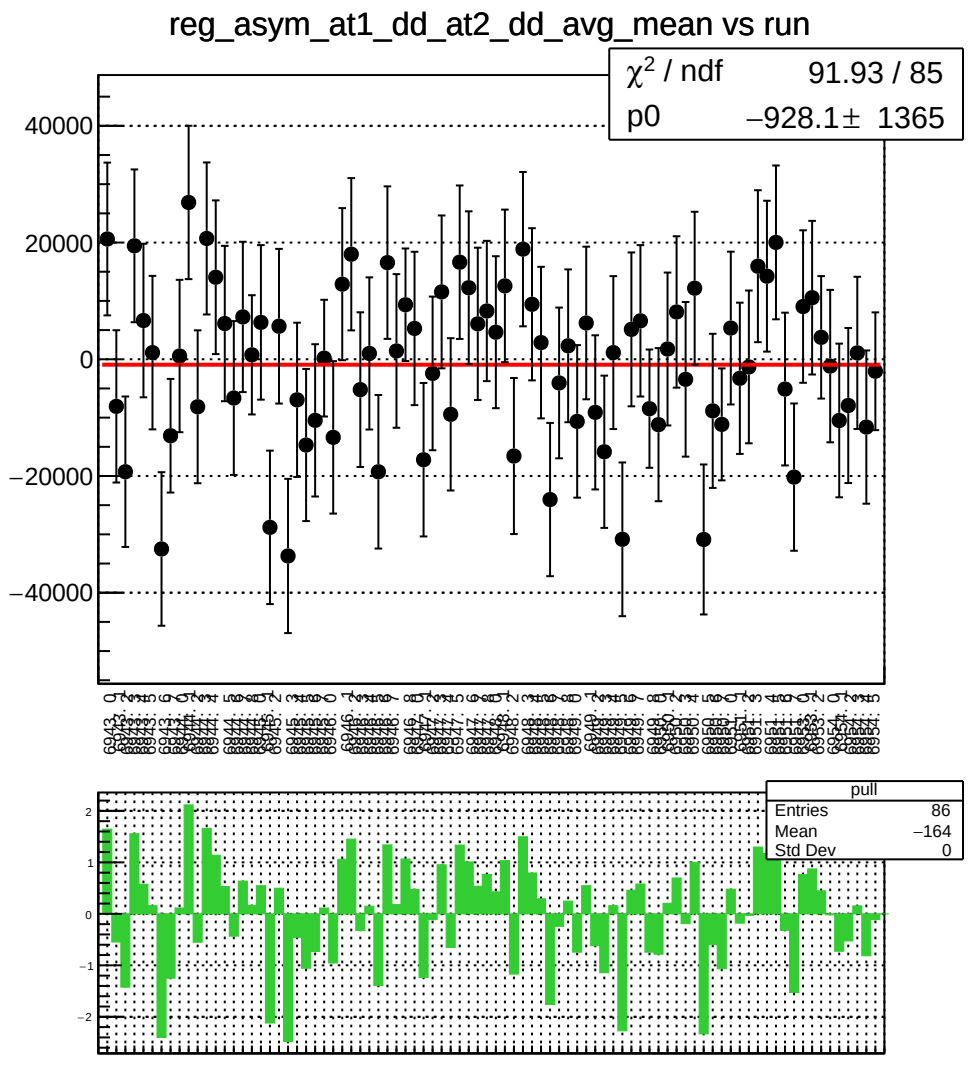

pull1D
Entries 86
Mean −0.02907
Std Dev 0.9826

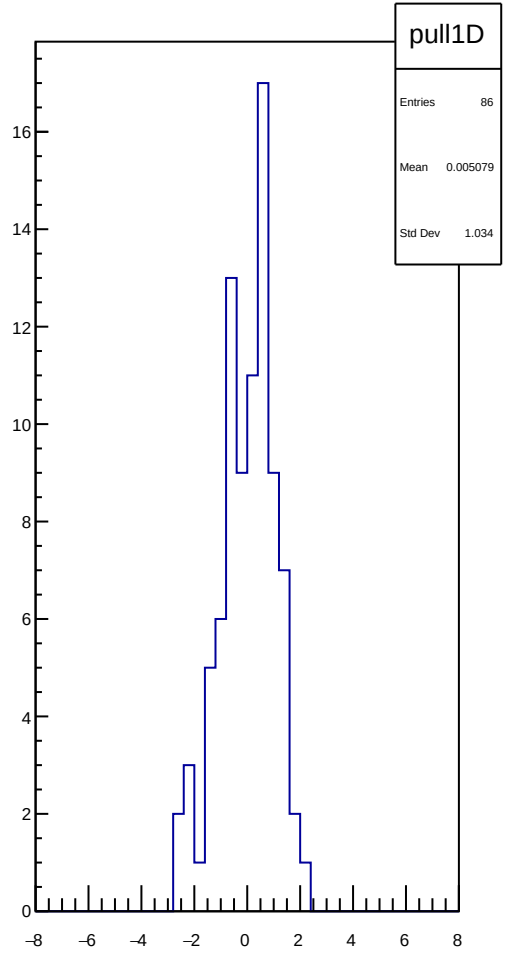

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.313e+05 / 85
p0 45.62 ± 0.03694
80
70
60
50
40
30

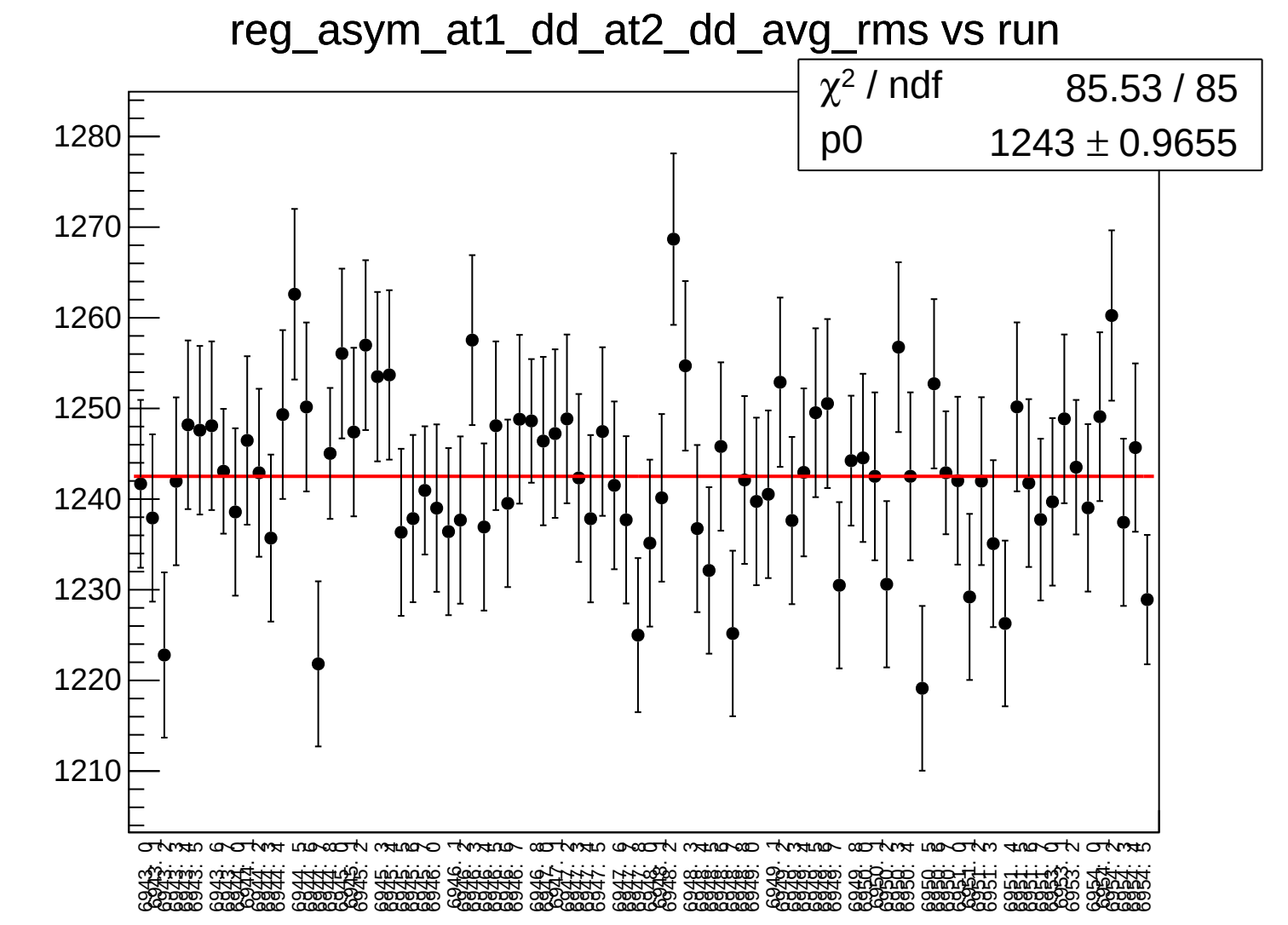

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.7 / 85
p0 −2.37e−14 ± 1.181e−14
pull
Entries 86
Mean 28.53
Std Dev 0

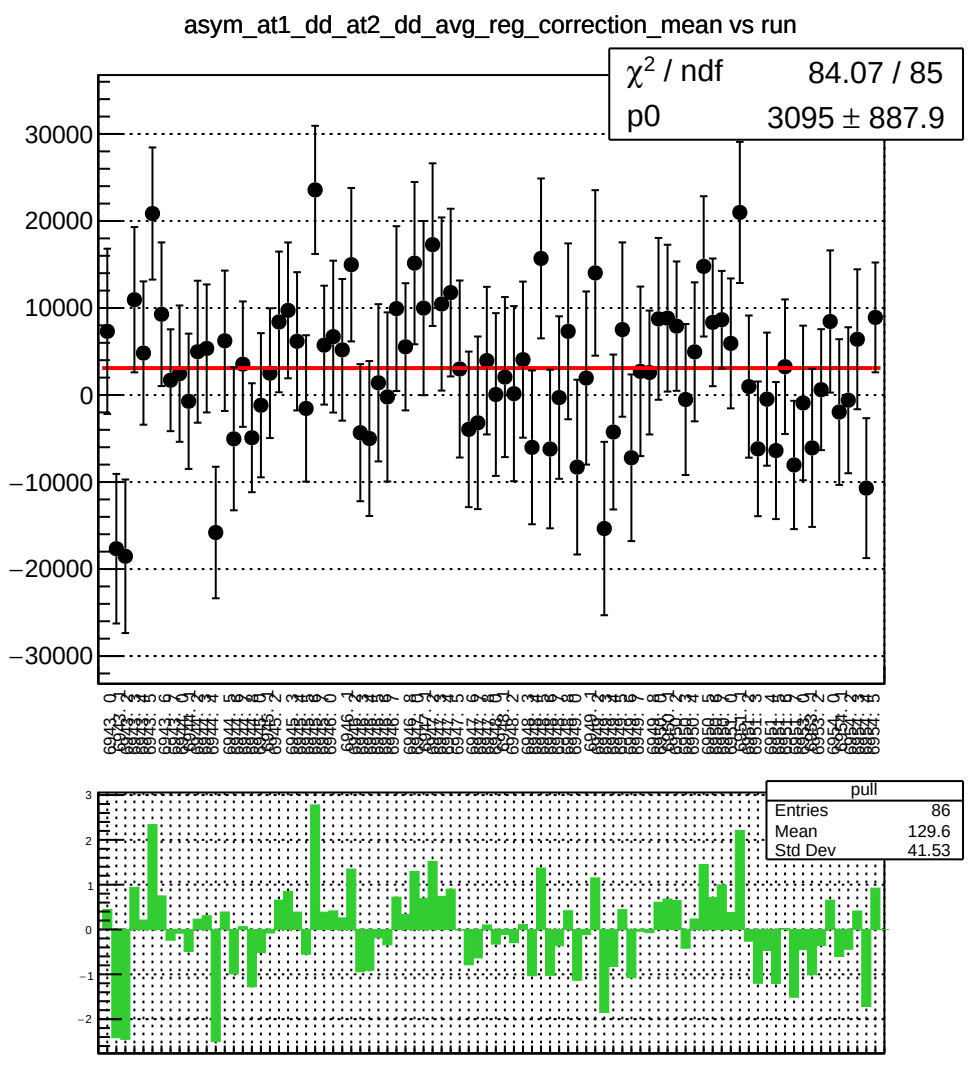

pull1D
Entries 86
Mean 0.09919
Std Dev 1.135

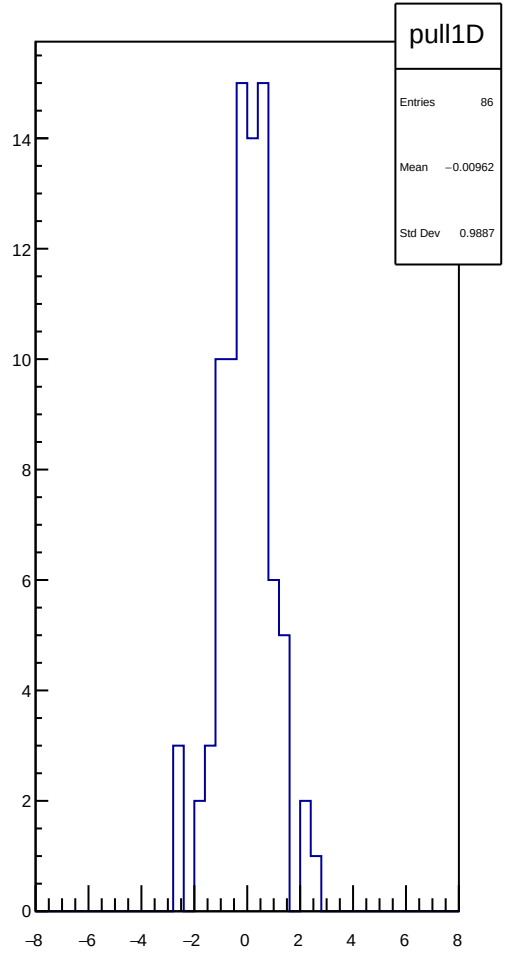

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.349e+05 / 85
p0 9.225e−12 ± 8.348e−15
0.14
0.12
0.1
0.08
0.06
0.04
0.02

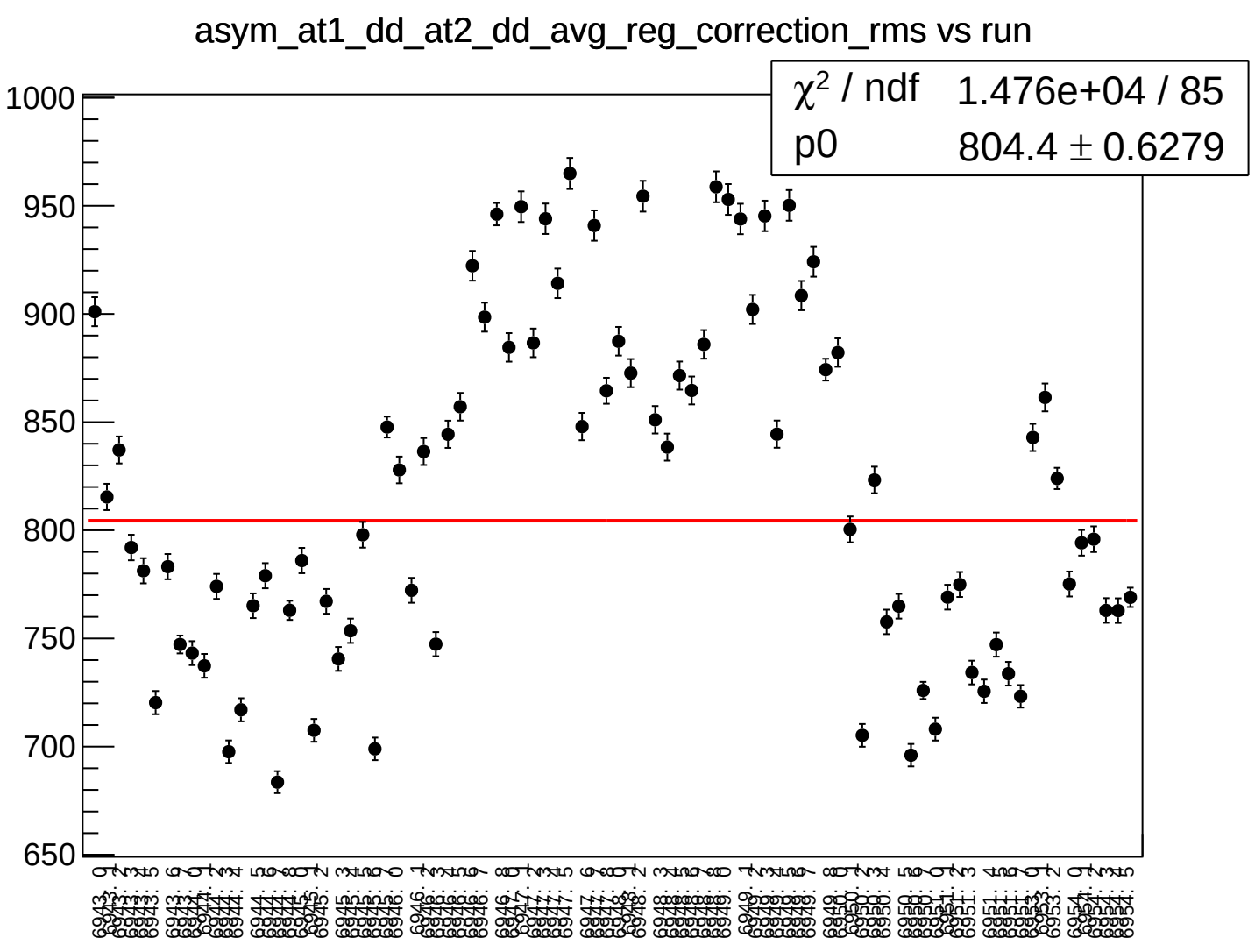

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −164
Std Dev 0
2
1
0
−1
−2

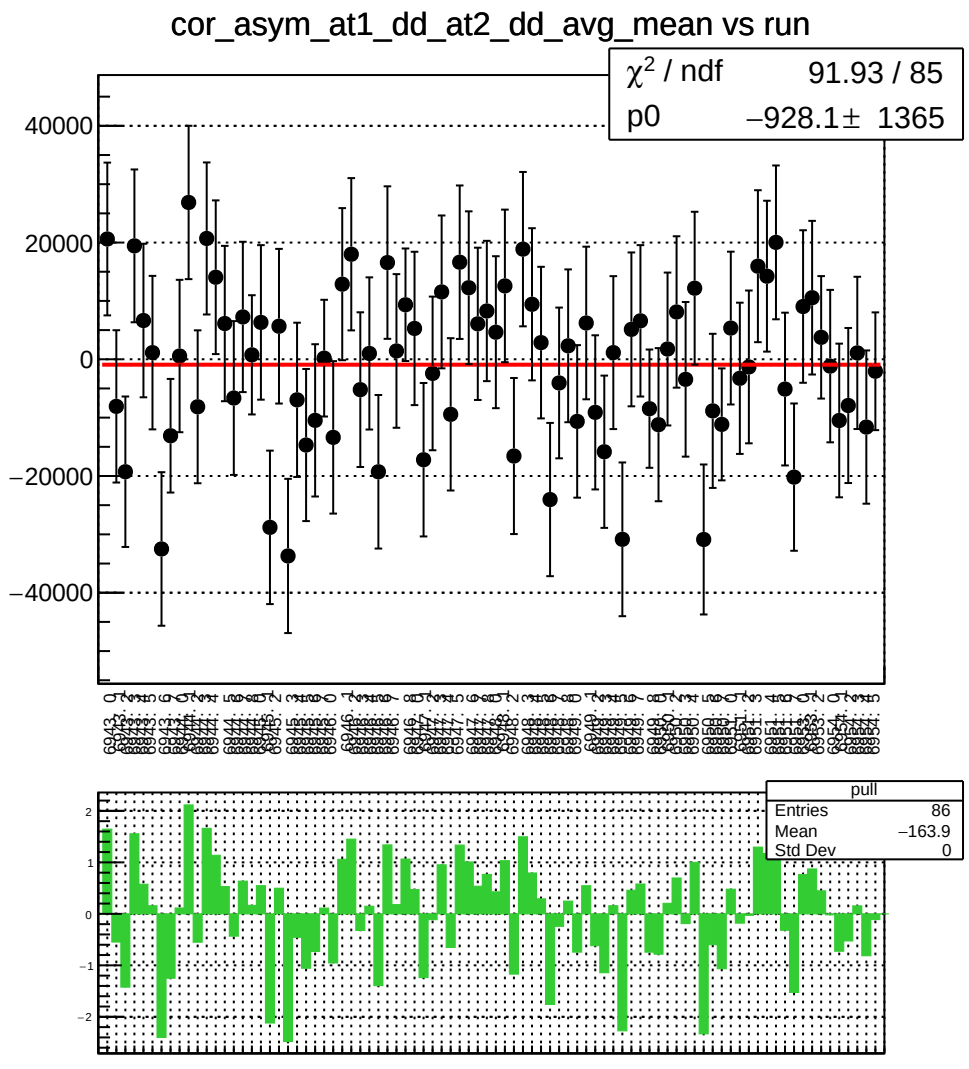

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

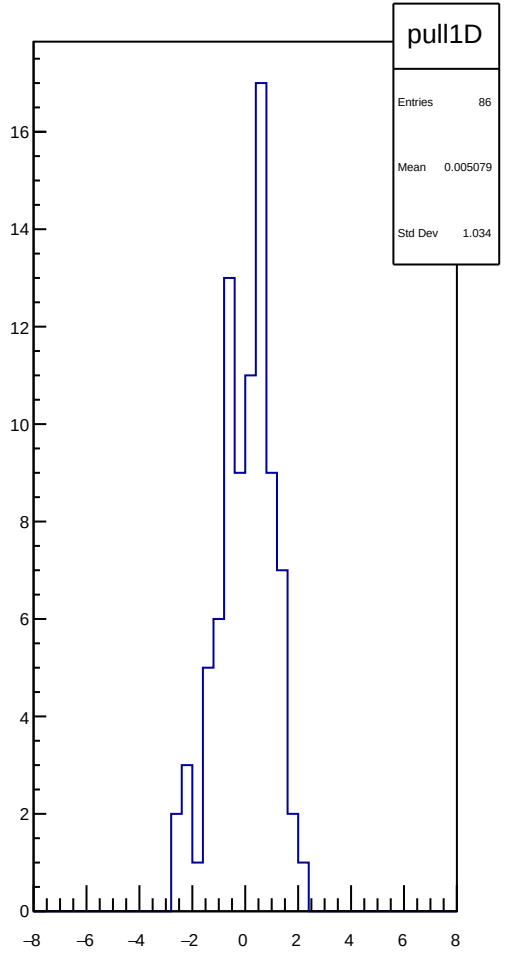

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

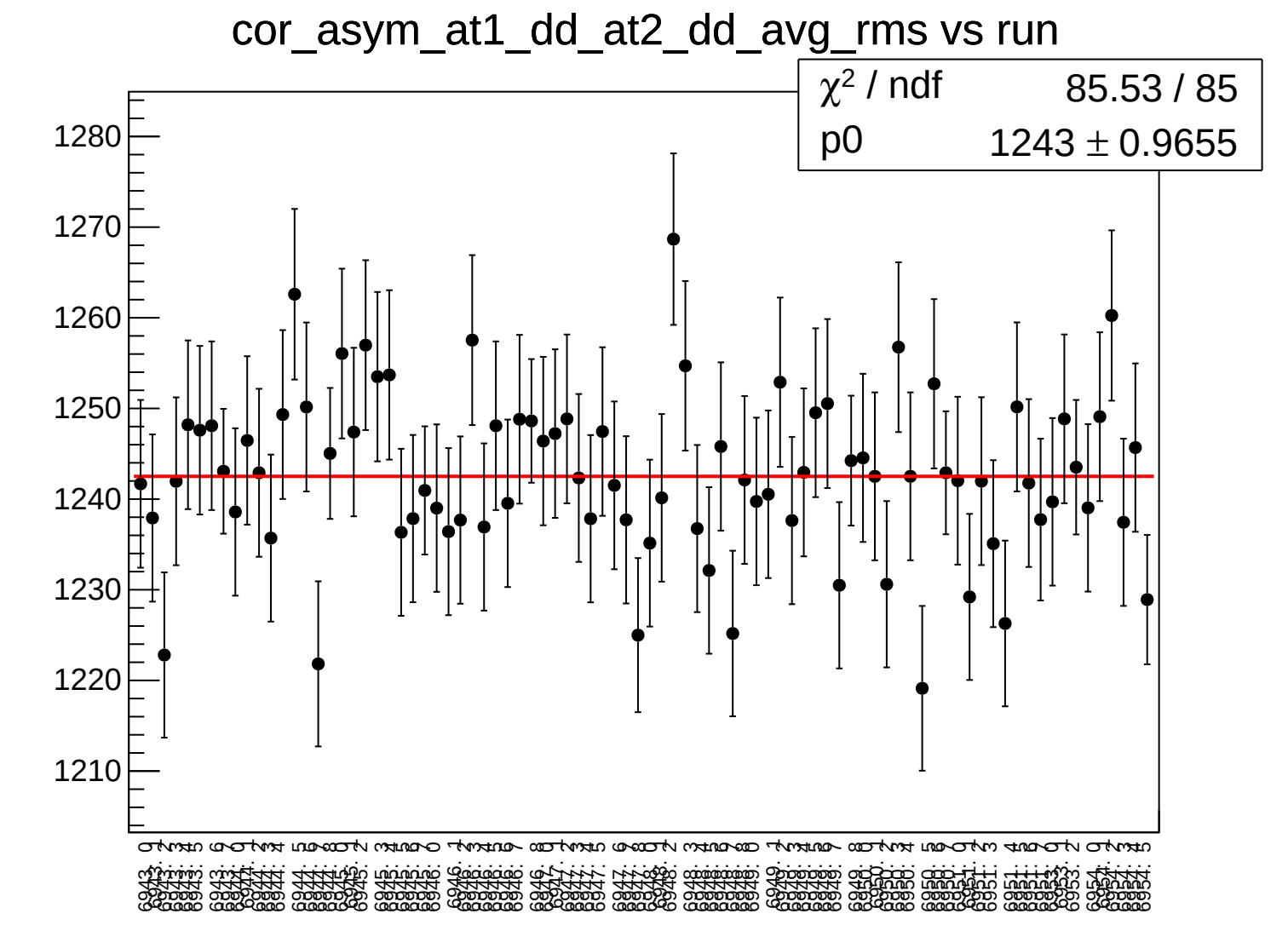

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.6
Std Dev 41.53
3
2
1
0
−1
−2

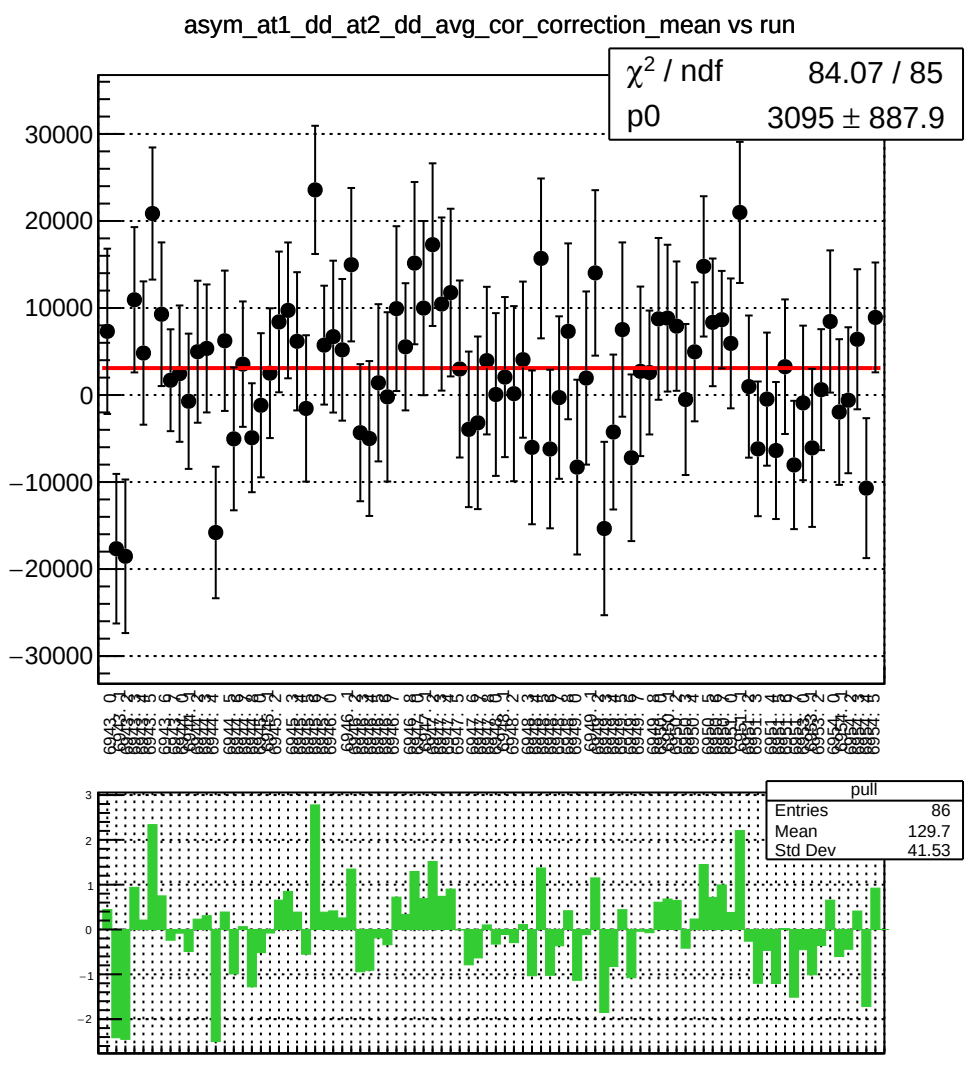

pull1D
Entries 86
Mean −0.00962
Std Dev 0.9887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

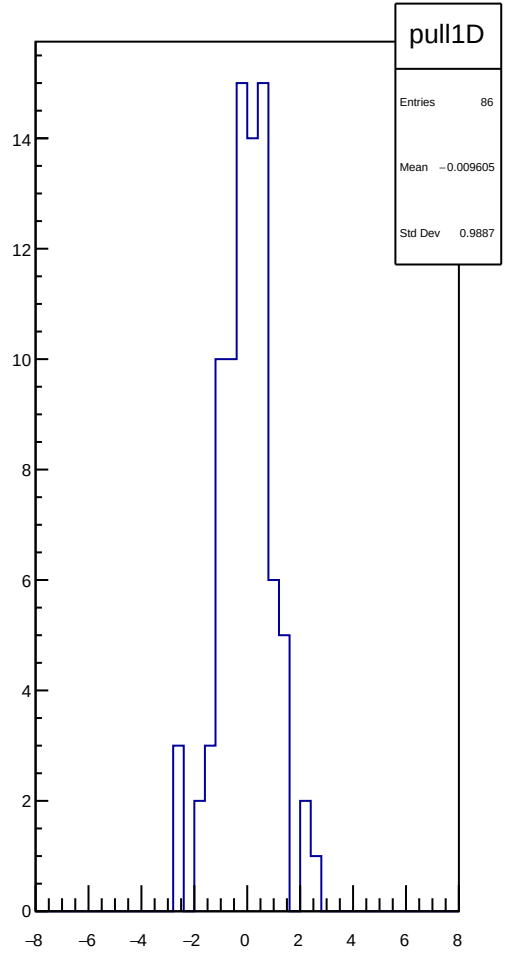

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650

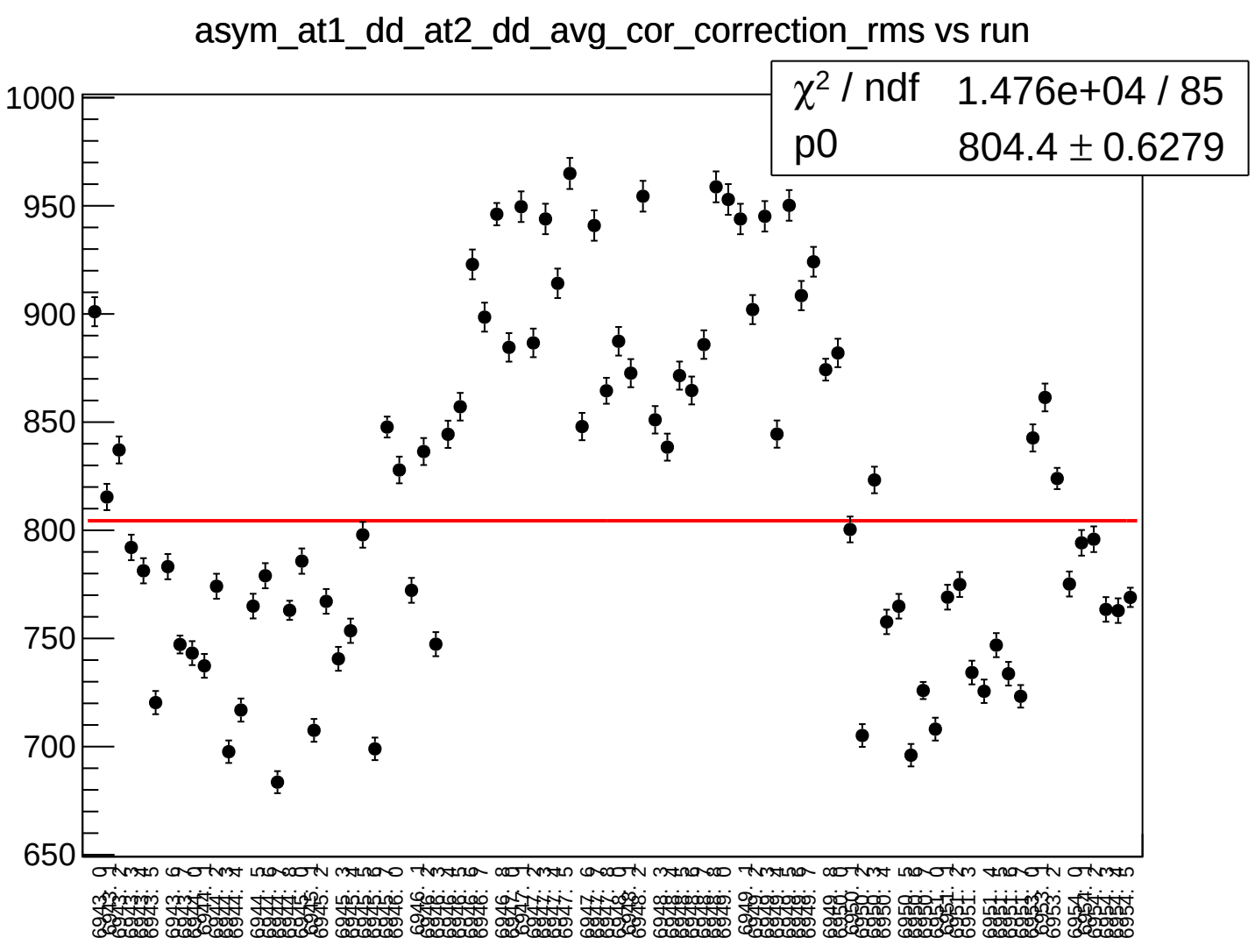

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −163.9
Std Dev 0
2
1
0
−1
−2

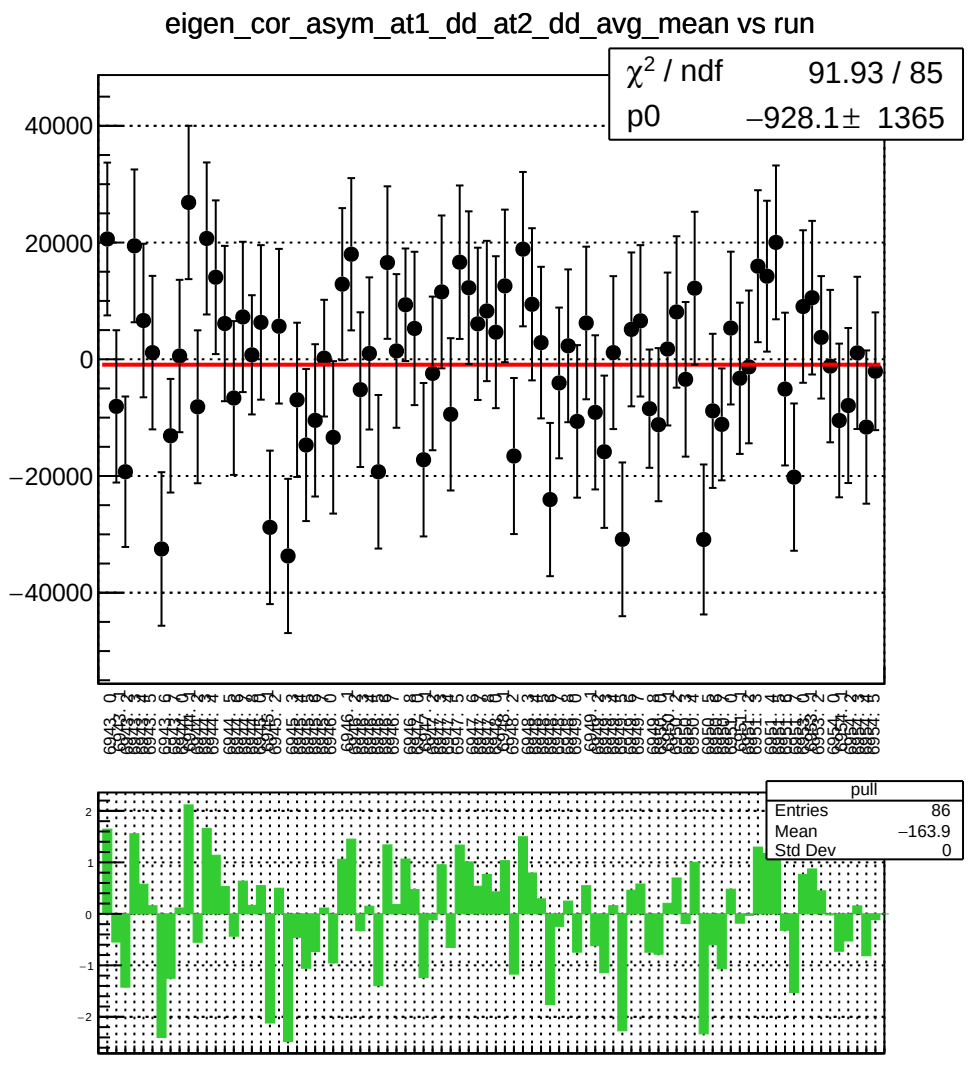

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

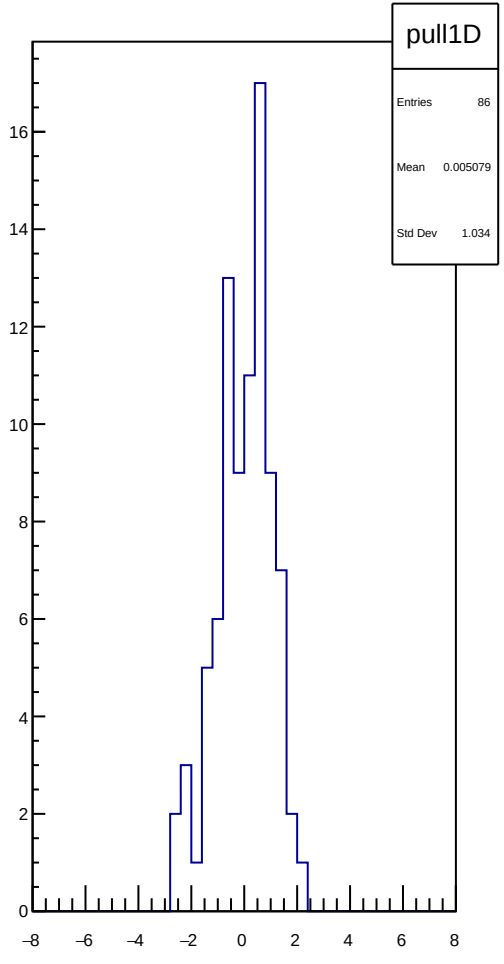

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

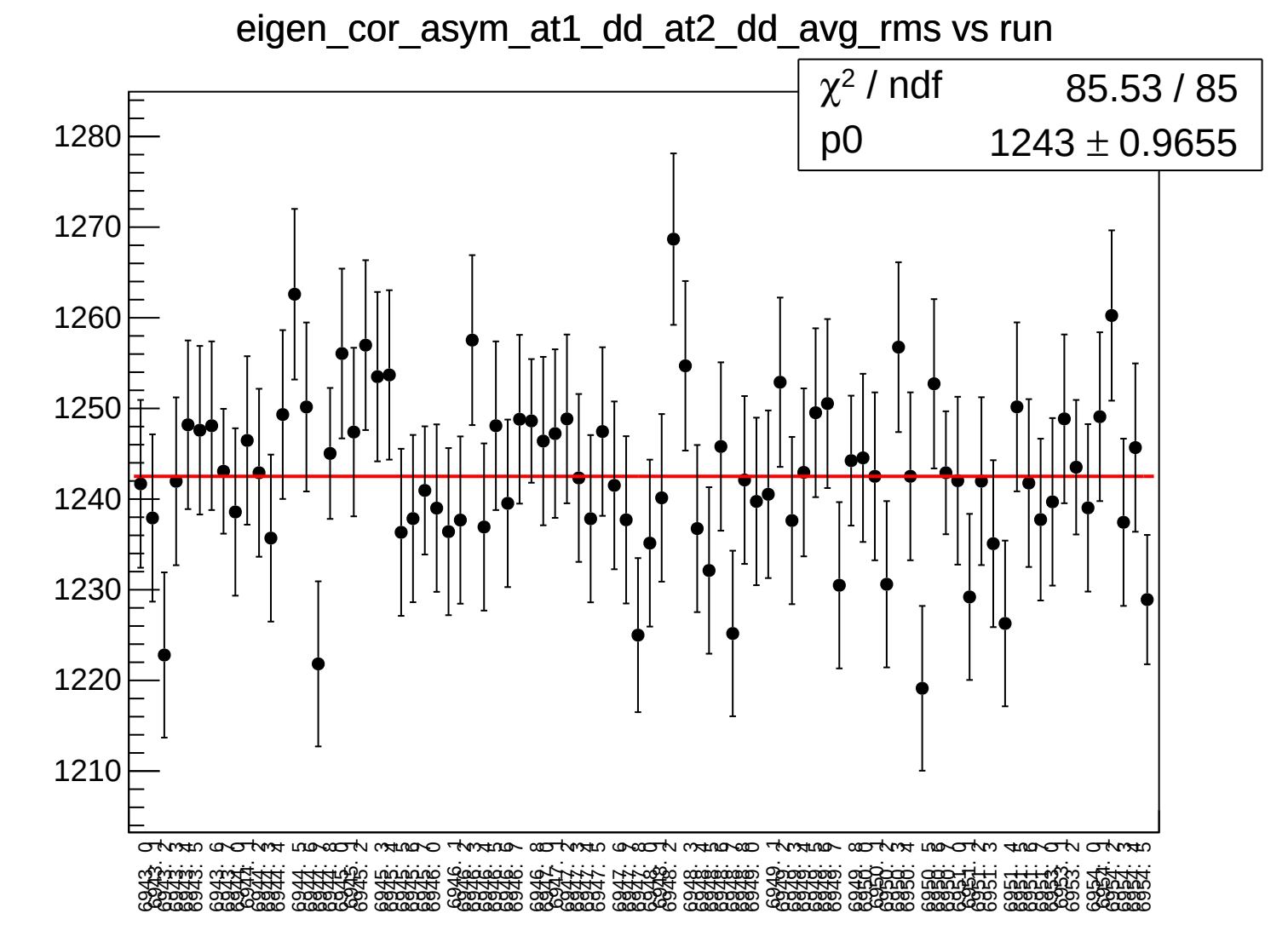

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.7
Std Dev 41.53
3
2
1
0
−1
−2

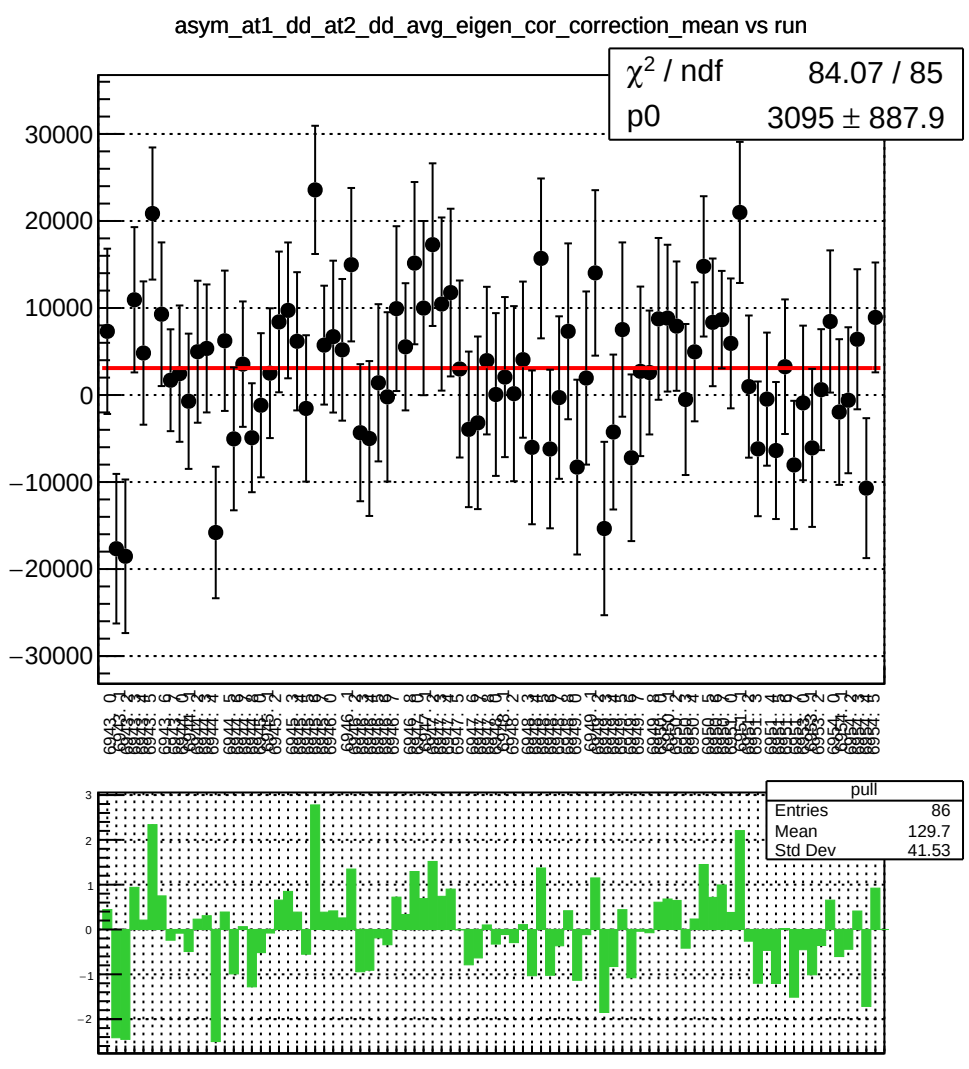

pull1D
Entries 86
Mean −0.009605
Std Dev 0.9887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

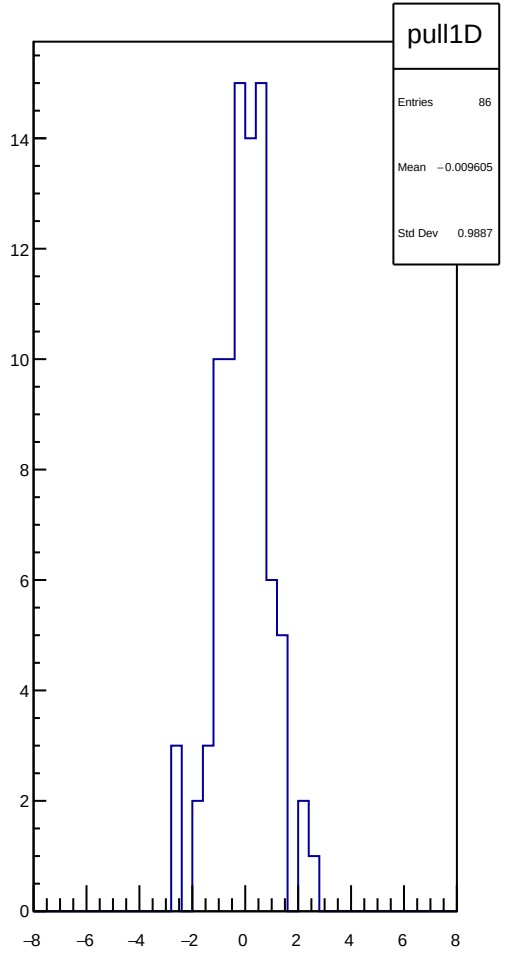

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650

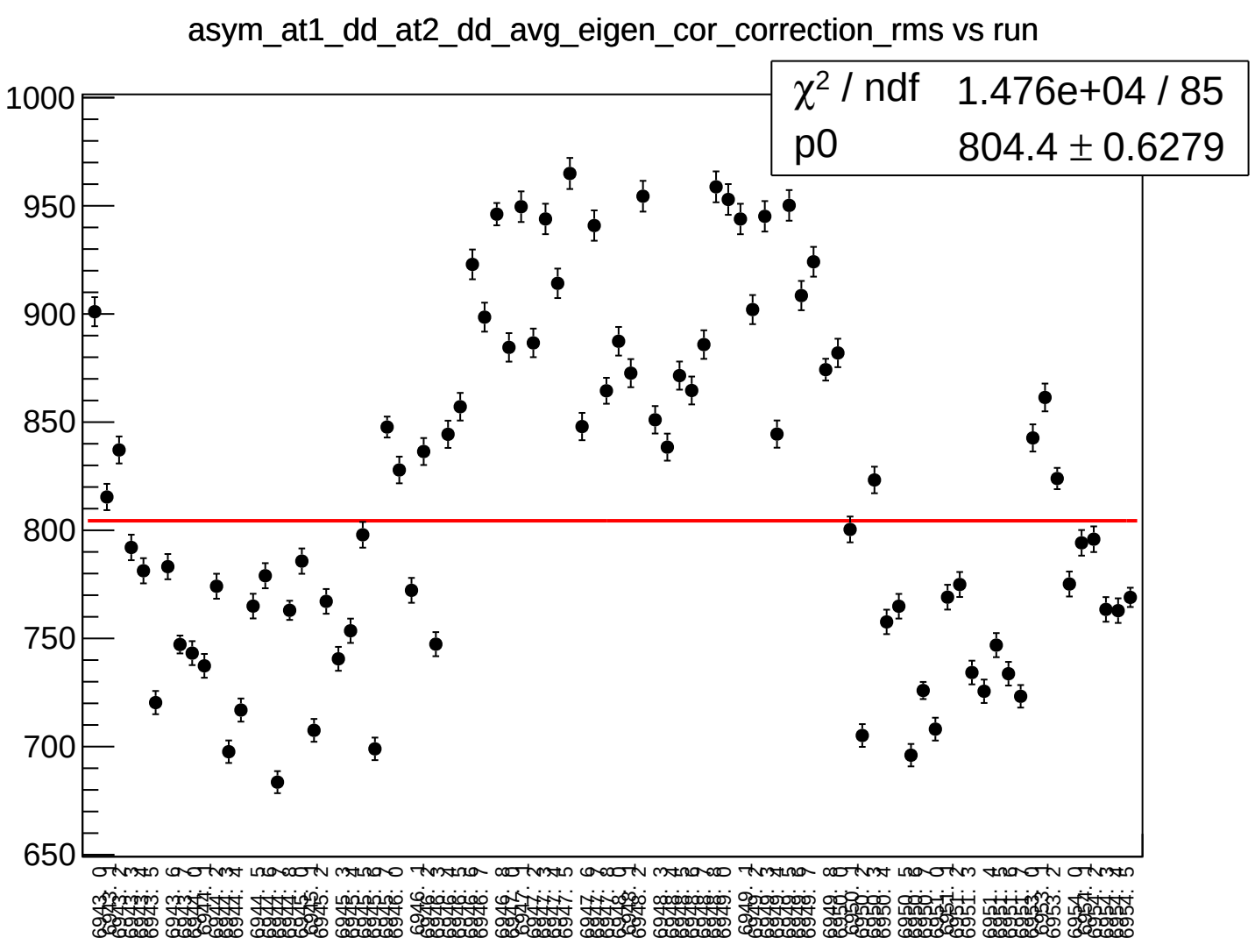

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.93 / 85
p0 −928.1± 1365
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −163.9
Std Dev 0
2
1
0
−1
−2

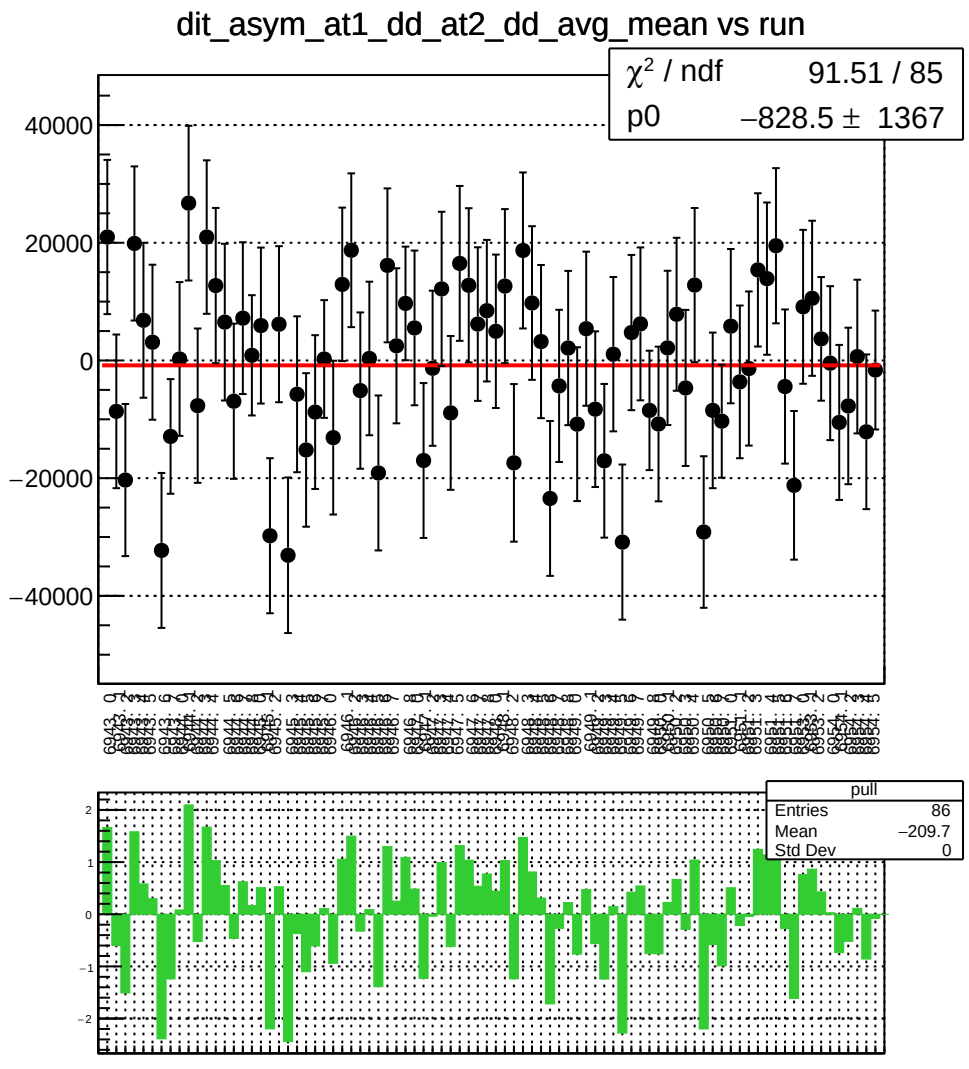

pull1D
Entries 86
Mean 0.005079
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

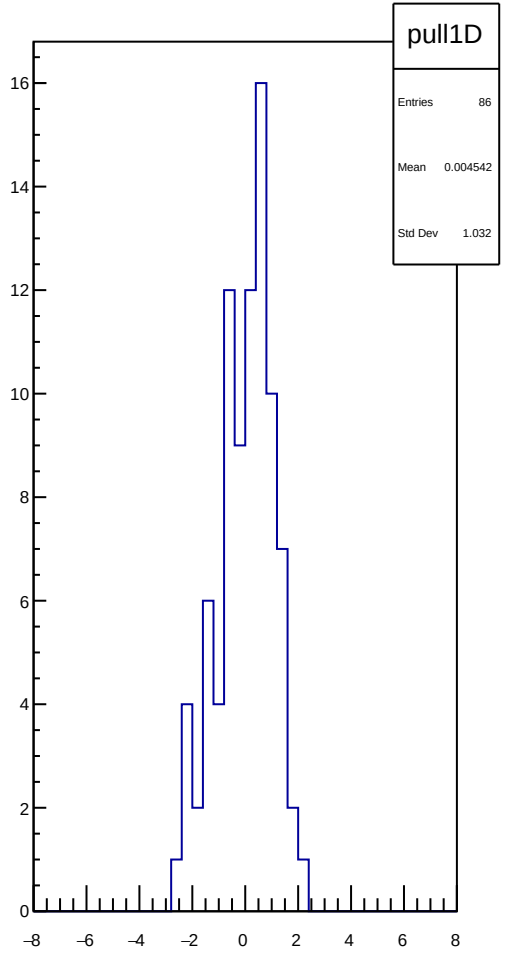

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 85.53 / 85
p0 1243 ± 0.9655
1280
1270
1260
1250
1240
1230
1220
1210

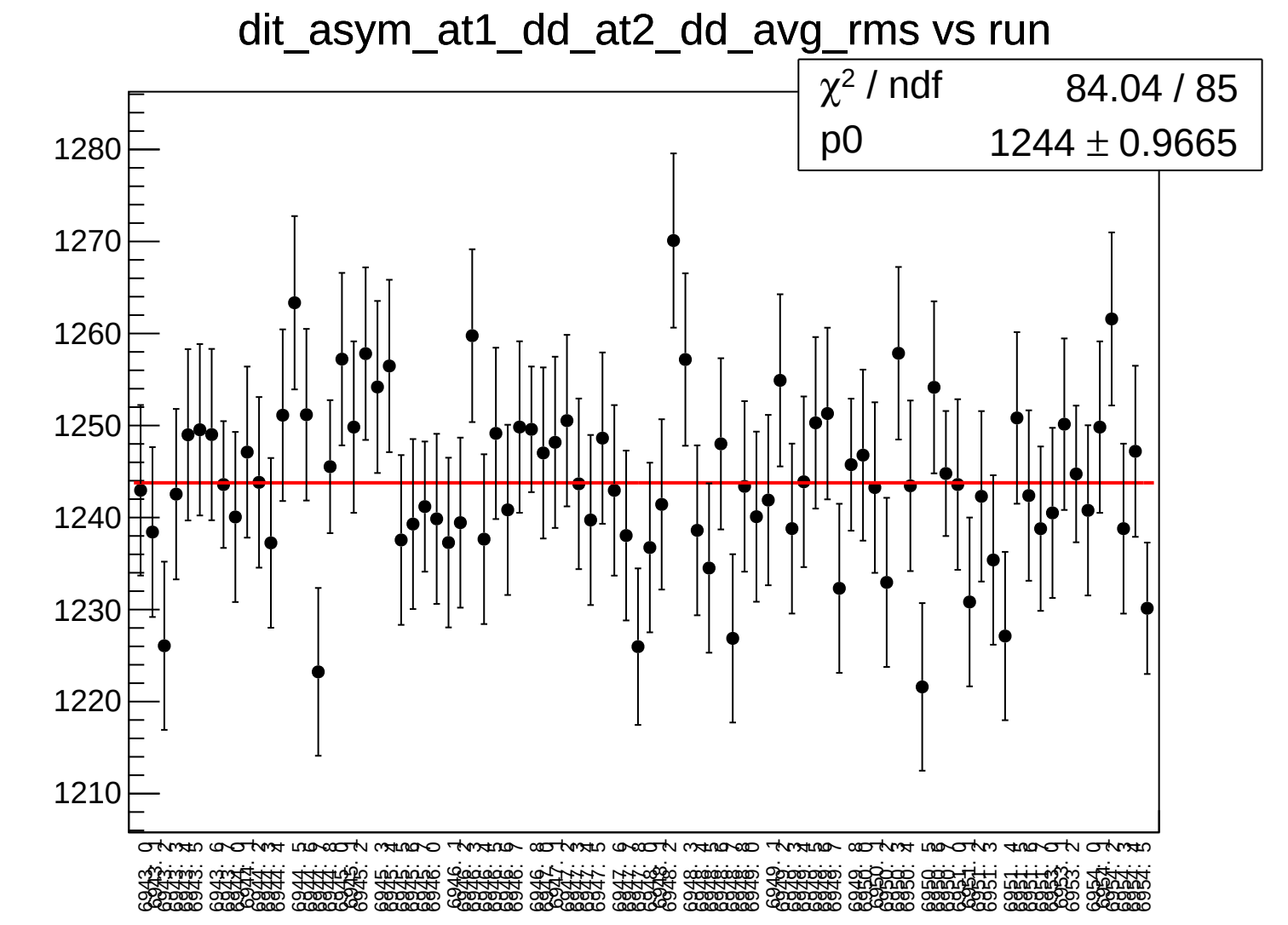

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.07 / 85
p0 3095 ± 887.9
pull
Entries 86
Mean 129.7
Std Dev 41.53

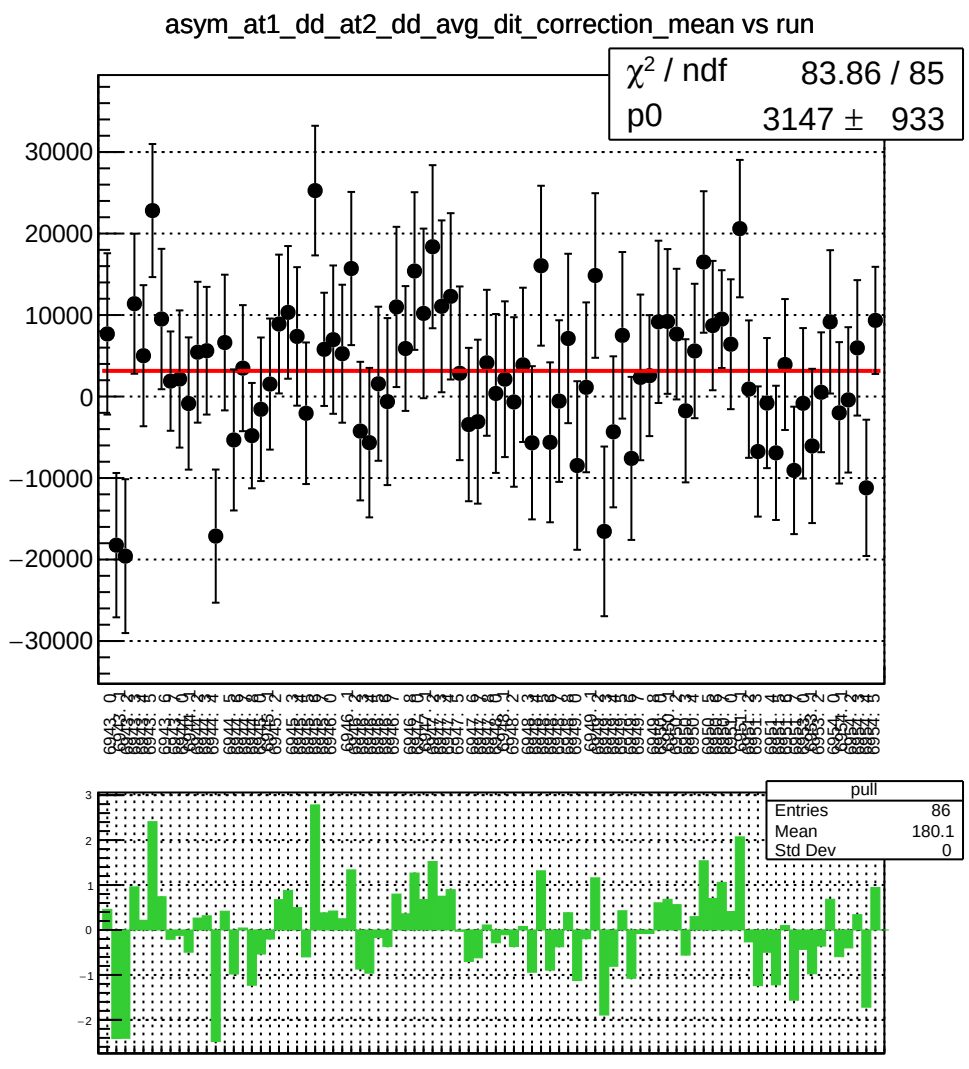

pull1D
Entries 86
Mean −0.009605
Std Dev 0.9887

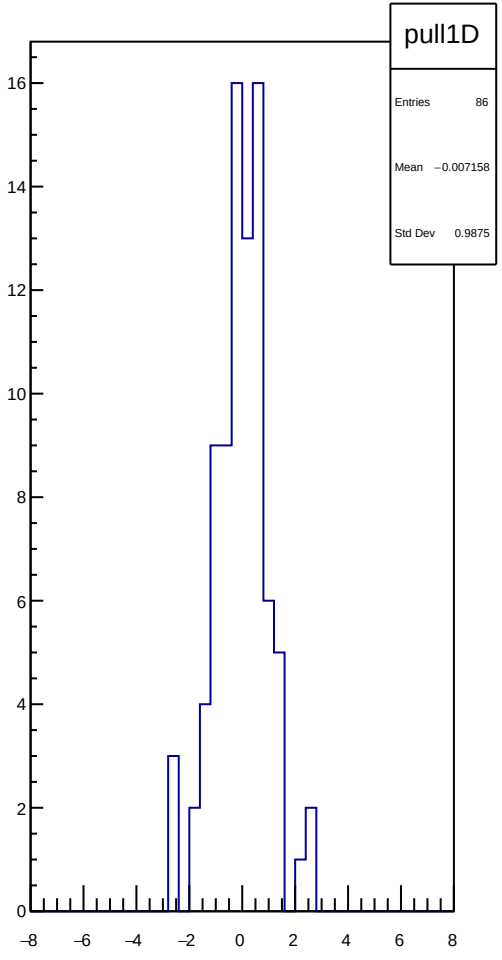

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.476e+04 / 85
p0 804.4 ± 0.6279
1000
950
900
850
800
750
700
650


dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.51 / 85
p0 −828.5 ± 1367
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −209.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.004542
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 84.04 / 85
p0 1244 ± 0.9665
1280
1270
1260
1250
1240
1230
1220
1210


asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 83.86 / 85
p0 3147 ± 933
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 180.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.007158
Std Dev 0.9875
16
14
12
10
8
6
4
2
0
−8
−6
−4
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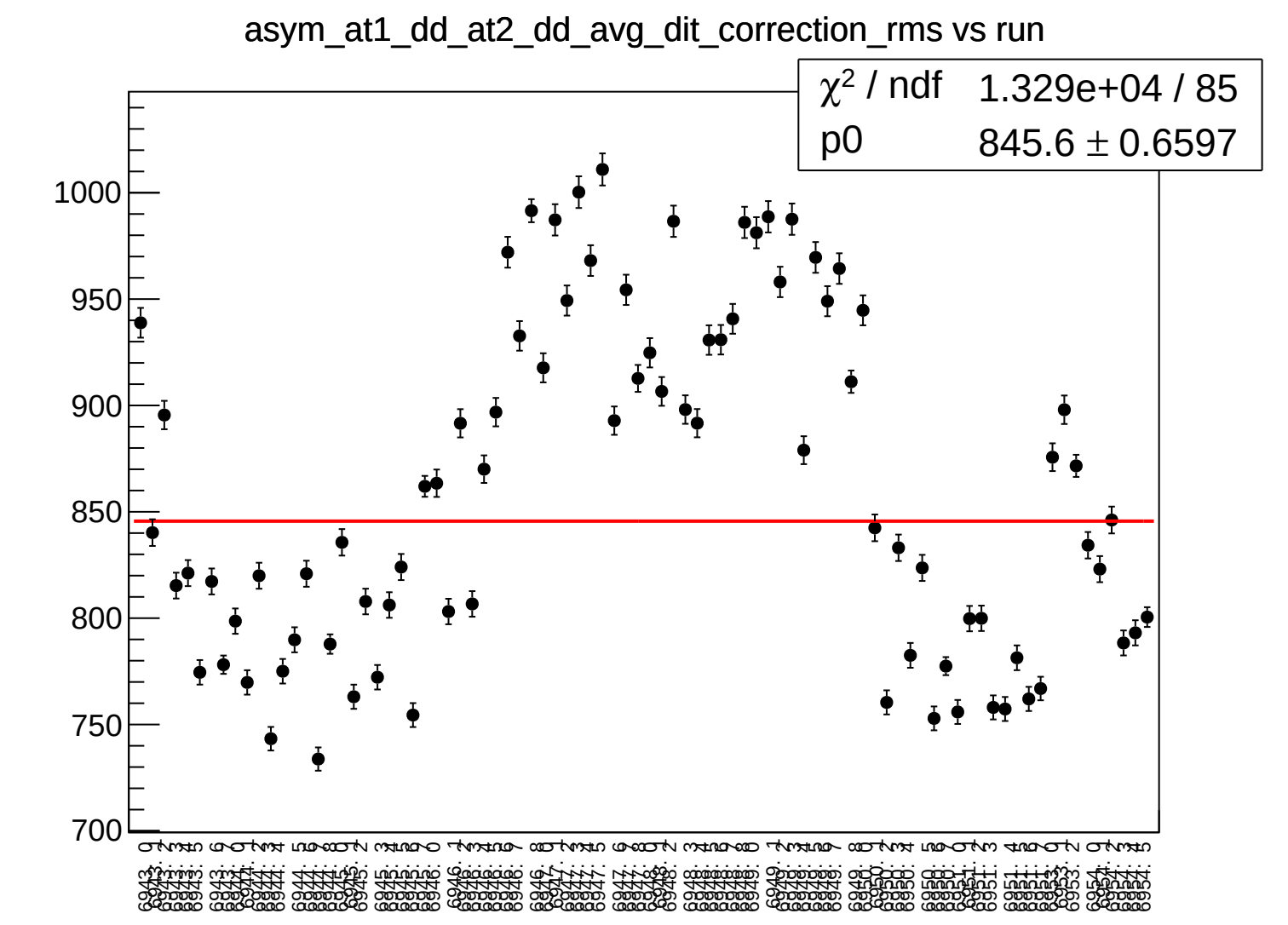
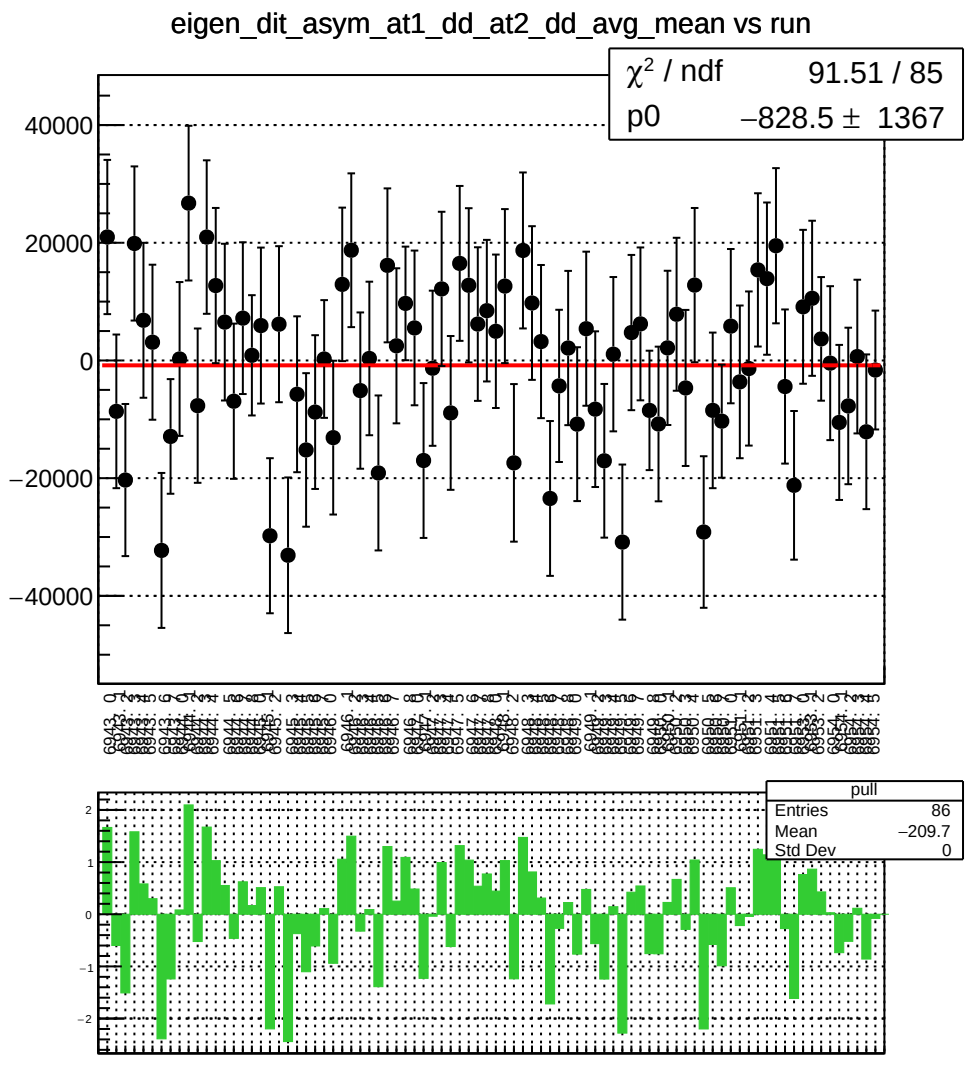
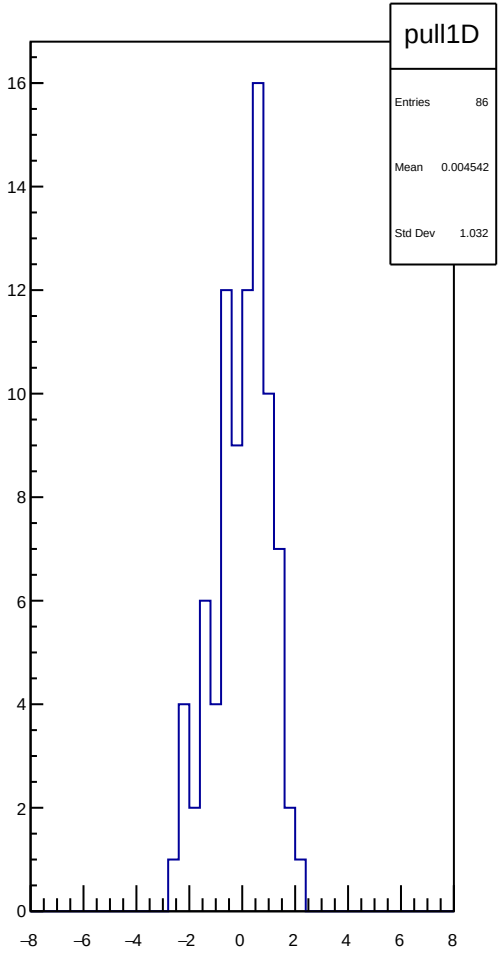
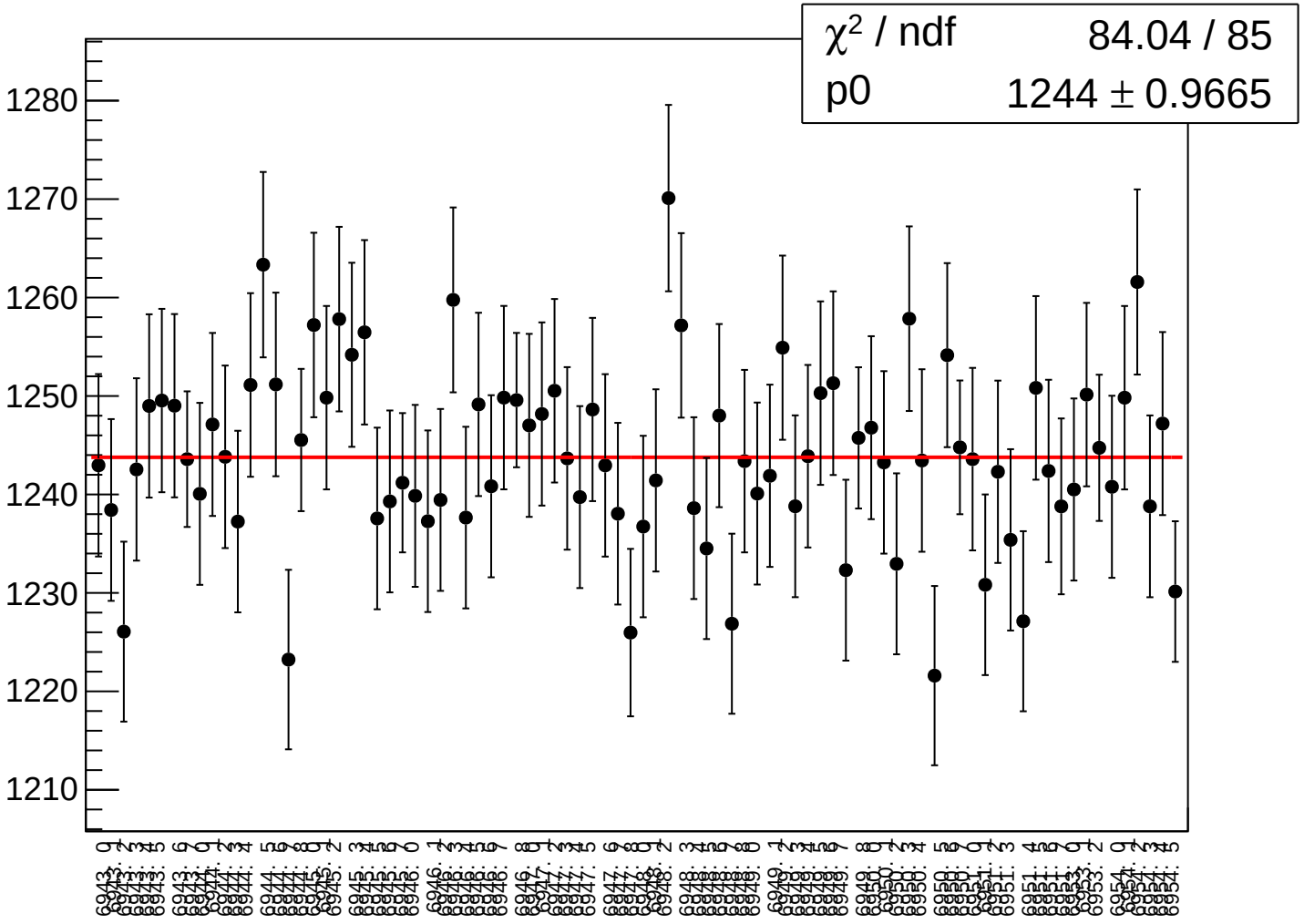
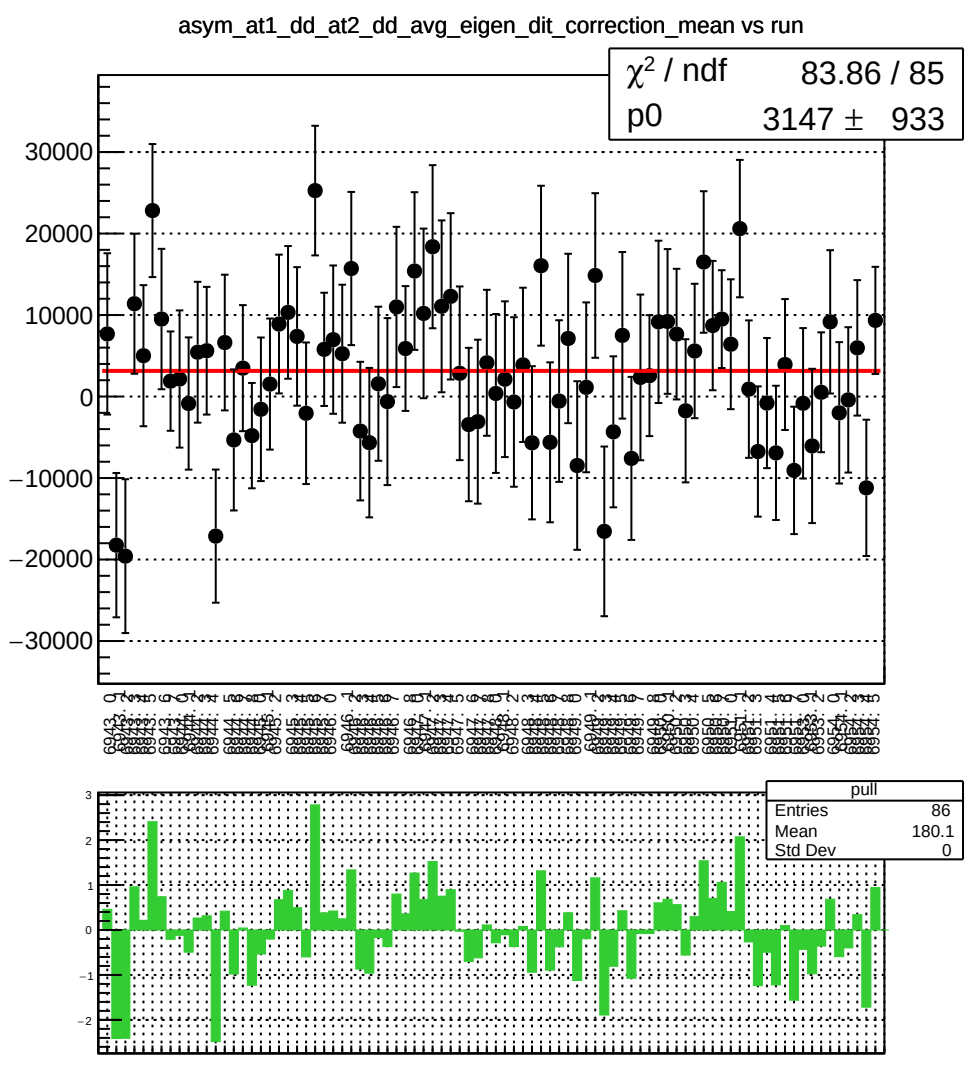
0
2
4
6
8

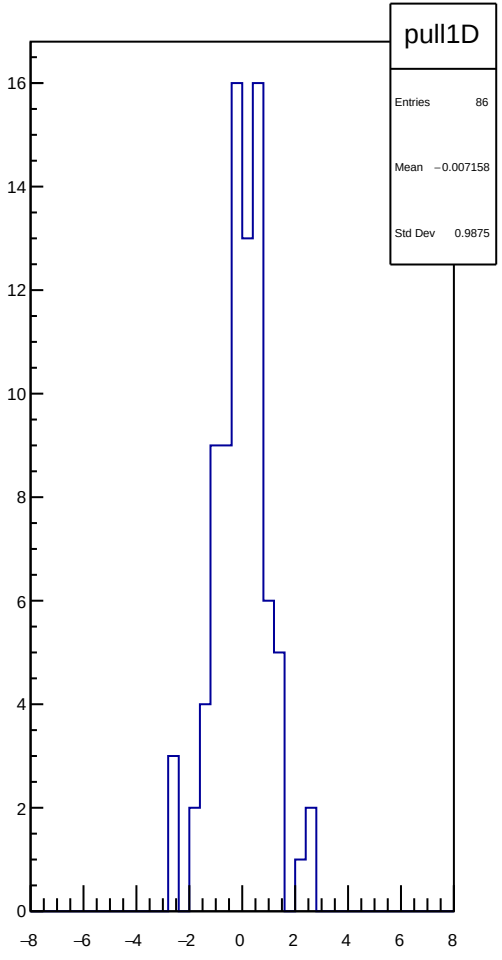

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 845.6 ± 0.6597
1000
950
900
850
800
750
700

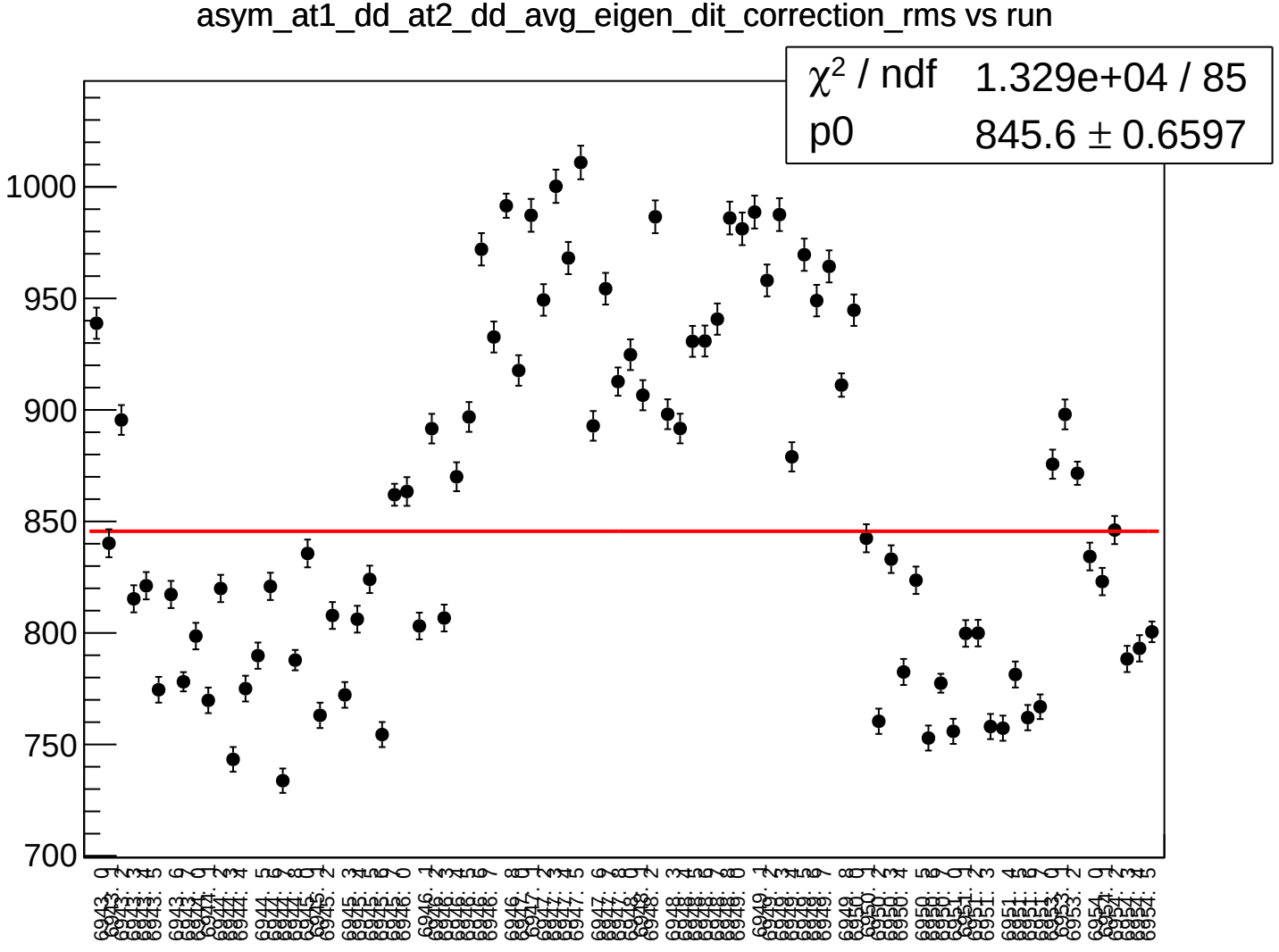

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.51 / 85
p0 −828.5 ± 1367
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −209.7
Std Dev 0
2
1
0
−1
−2

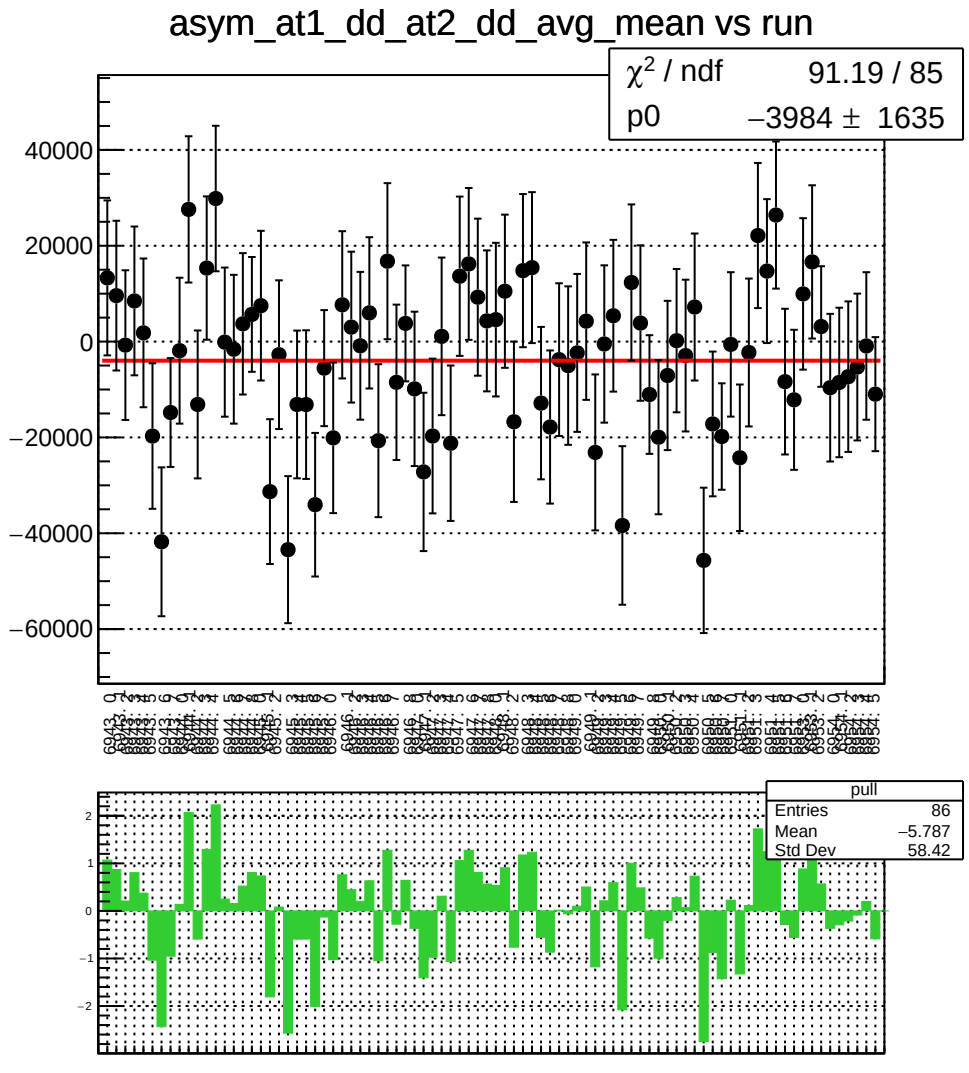

pull1D
Entries 86
Mean 0.004542
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

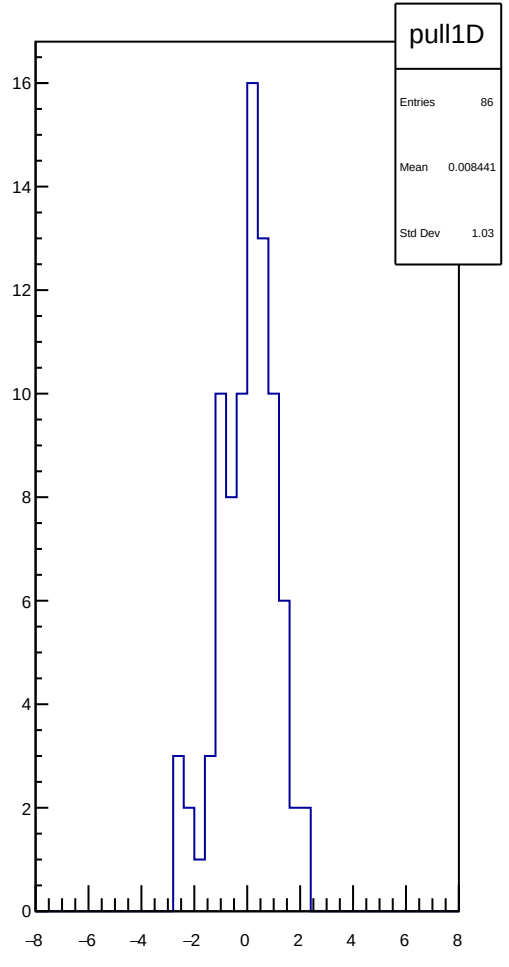

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 84.04 / 85
p0 1244 ± 0.9665
1280
1270
1260
1250
1240
1230
1220
1210

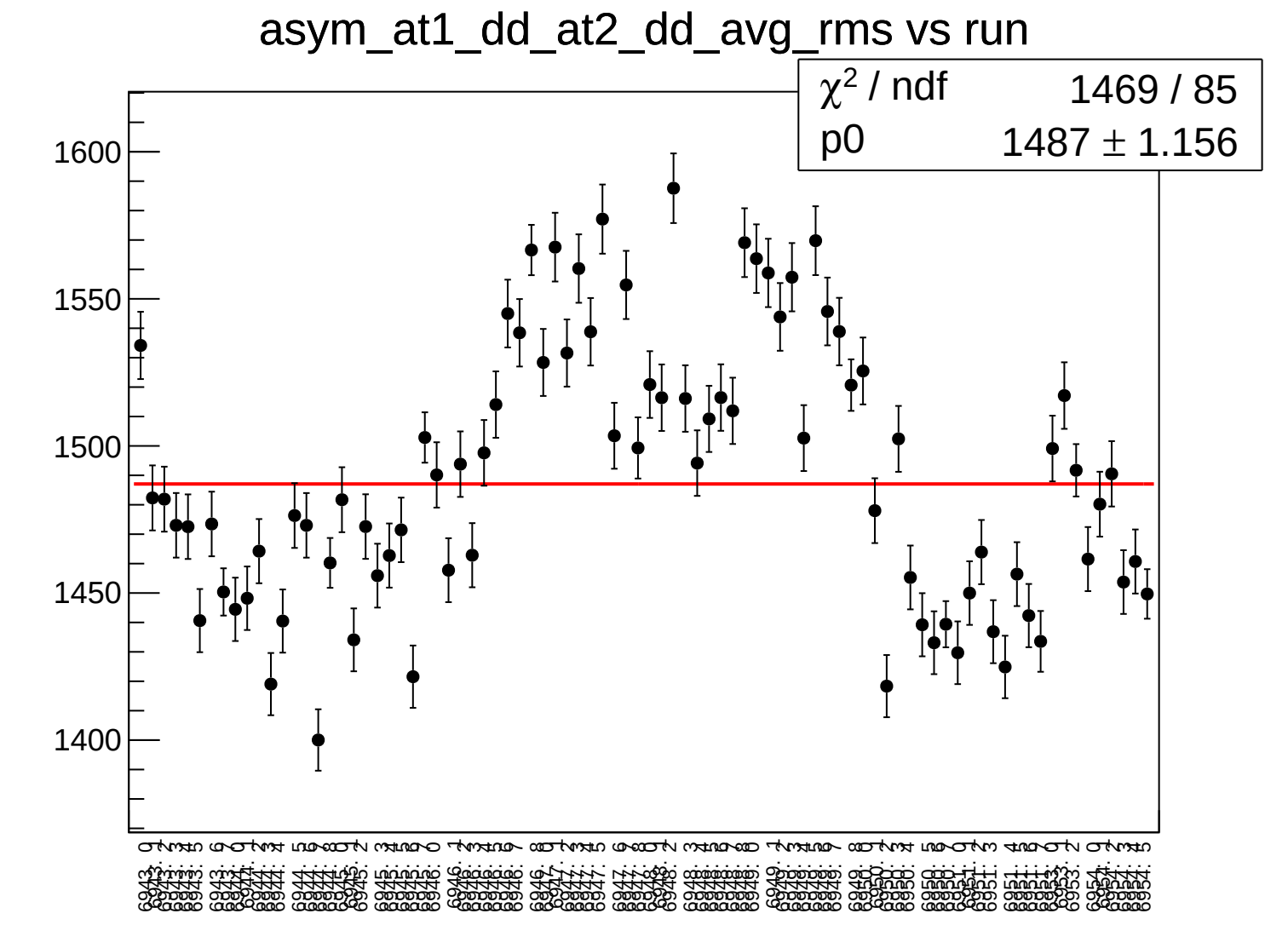

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.86 / 85
p0 3147 ± 933
pull
Entries 86
Mean 180.1
Std Dev 0

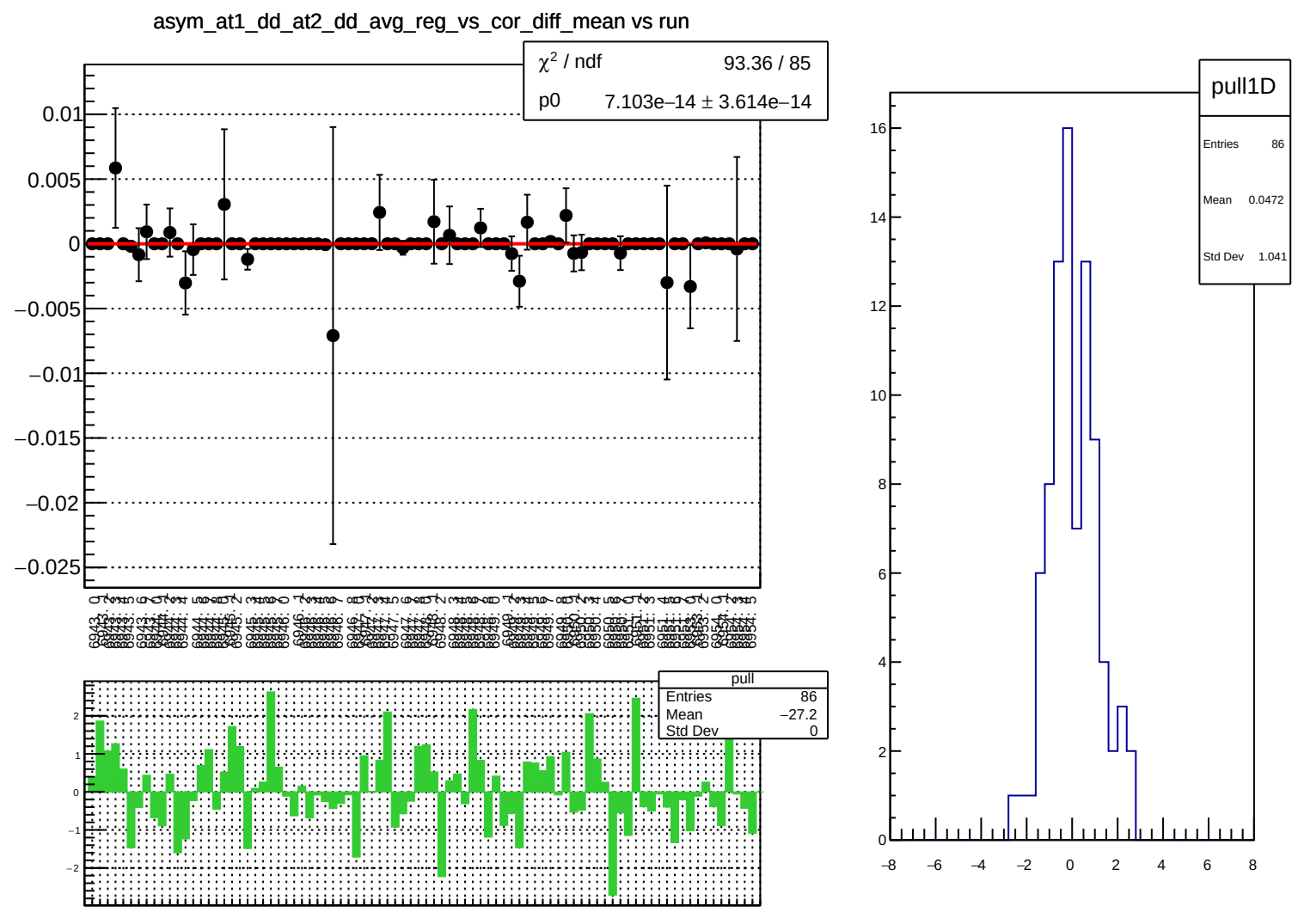

pull1D
Entries 86
Mean −0.007158
Std Dev 0.9875

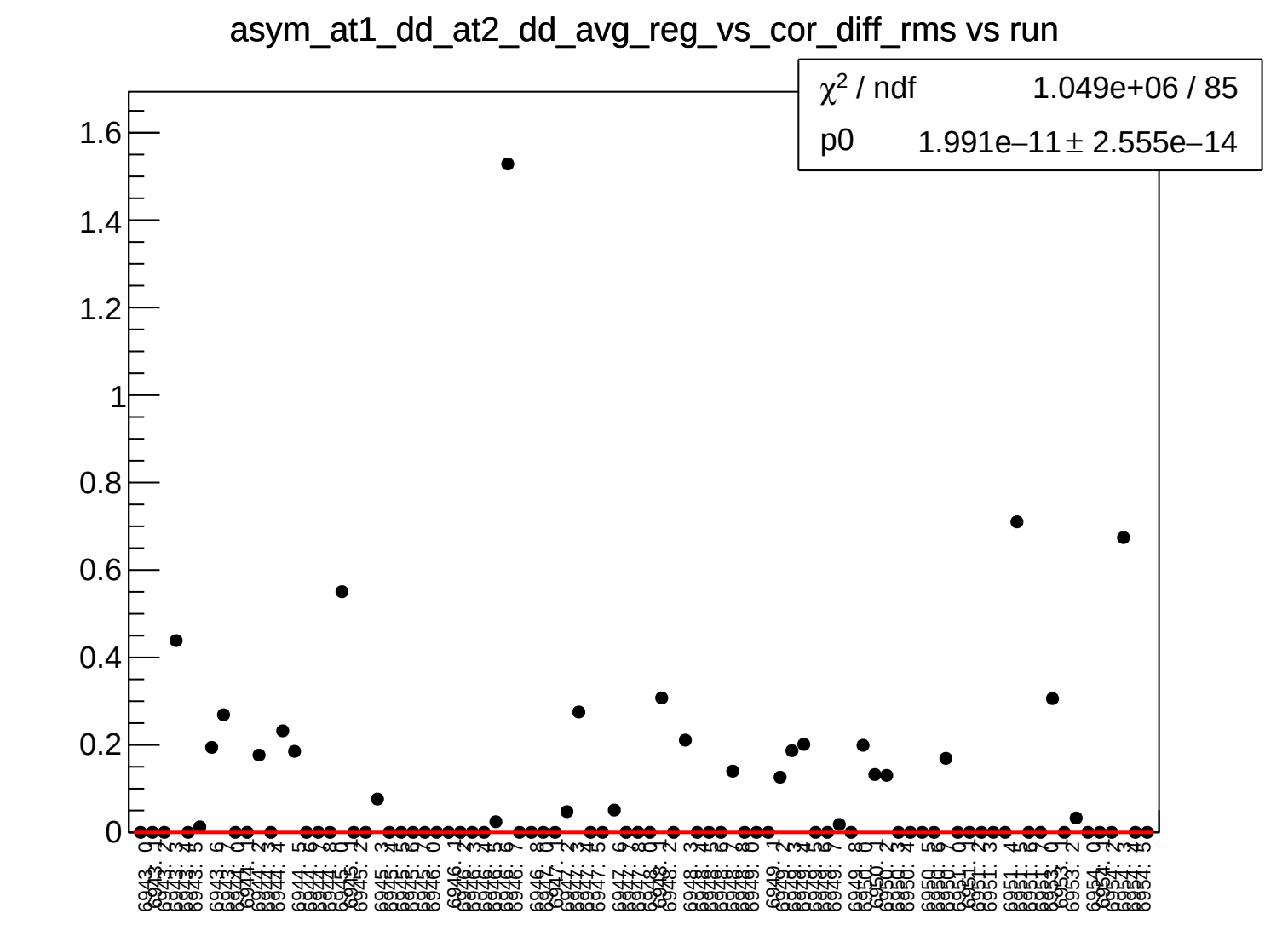

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 845.6 ± 0.6597
1000
950
900
850
800
750
700

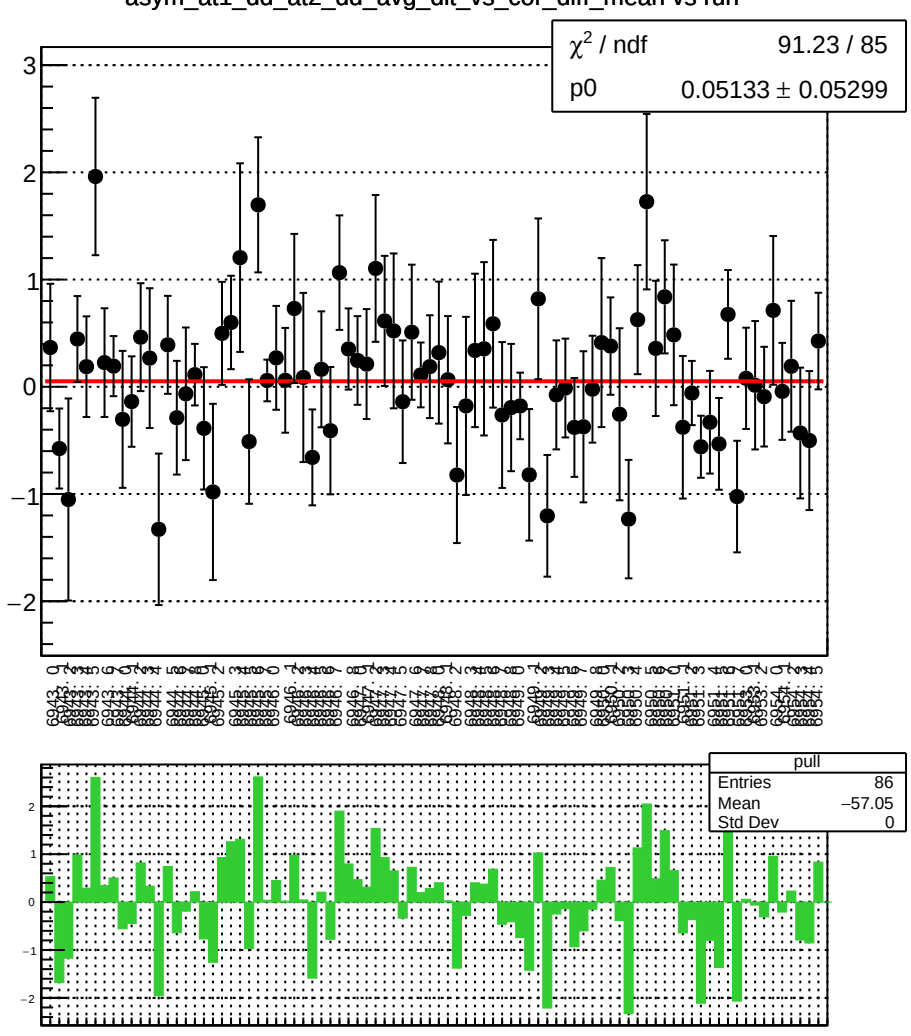

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 91.19 / 85
p0 −3984 ± 1635
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −5.787
Std Dev 58.42
2
1
0
−1
−2

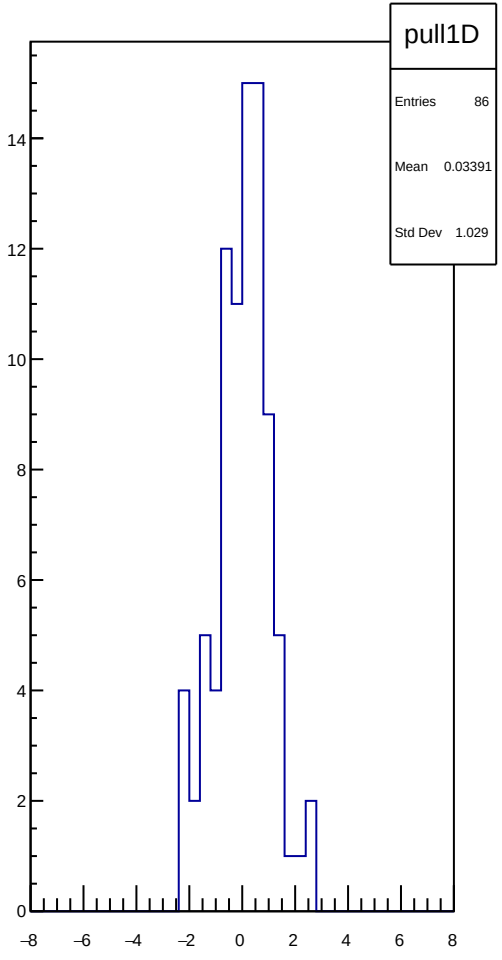

pull1D
Entries 86
Mean 0.008441
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

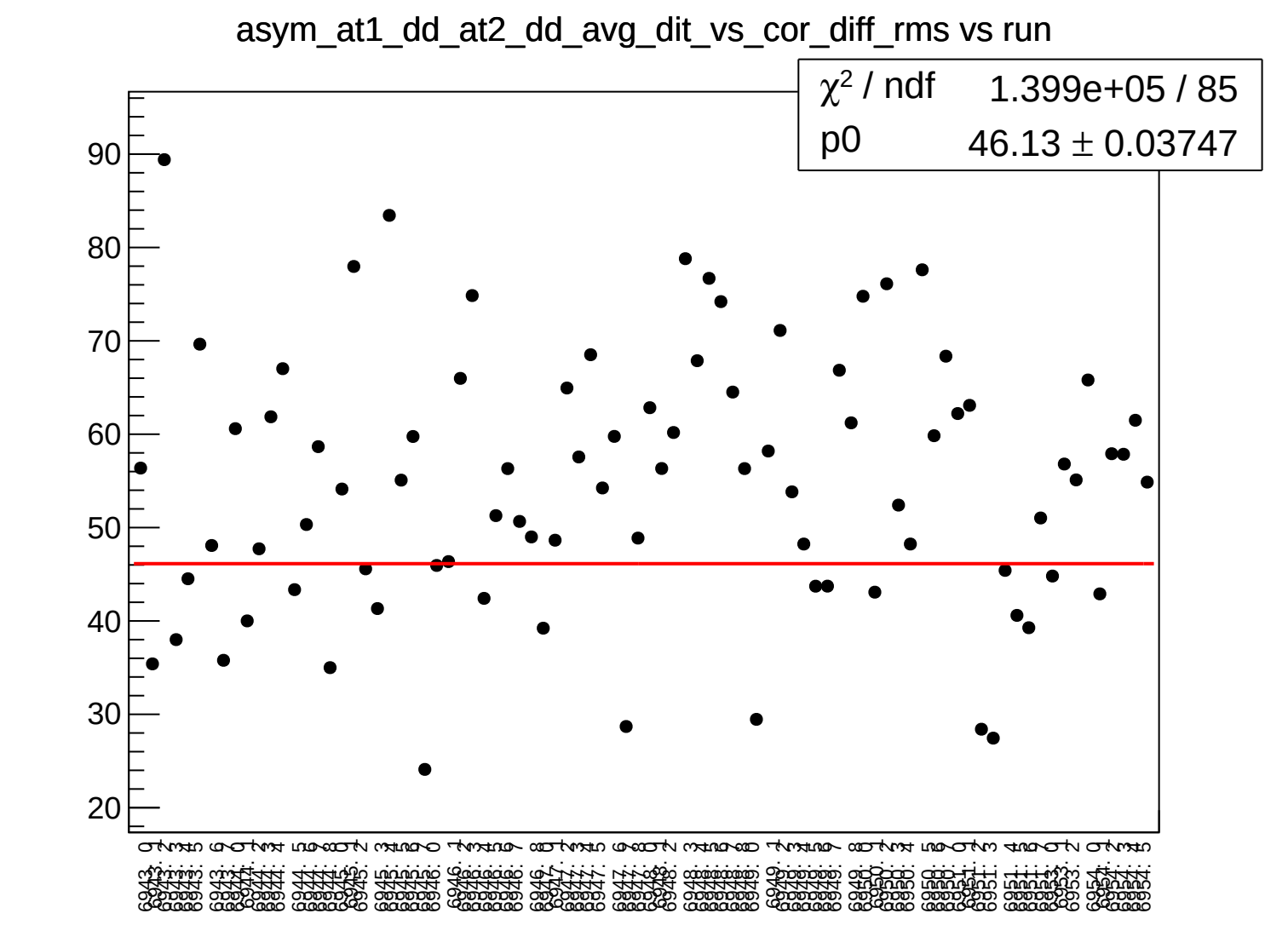

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1469 / 85
p0 1487 ± 1.156
1600
1550
1500
1450
1400

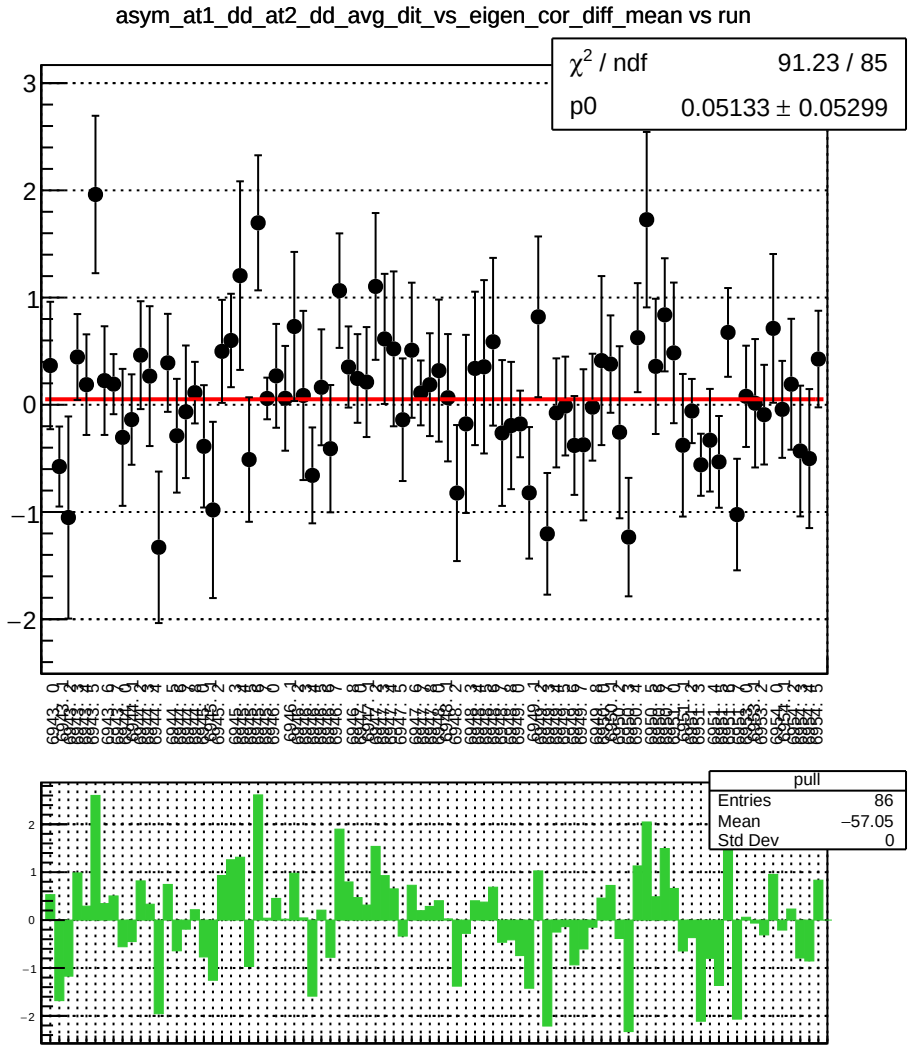

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 93.36 / 85
p0 7.103e−14 ± 3.614e−14
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 86
Mean −27.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.0472
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

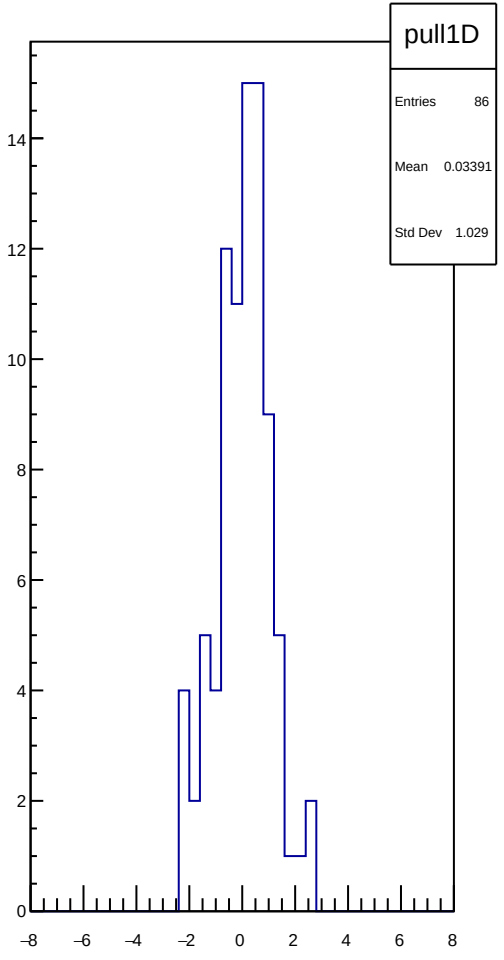

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.049e+06 / 85
p0 1.991e−11 ± 2.555e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

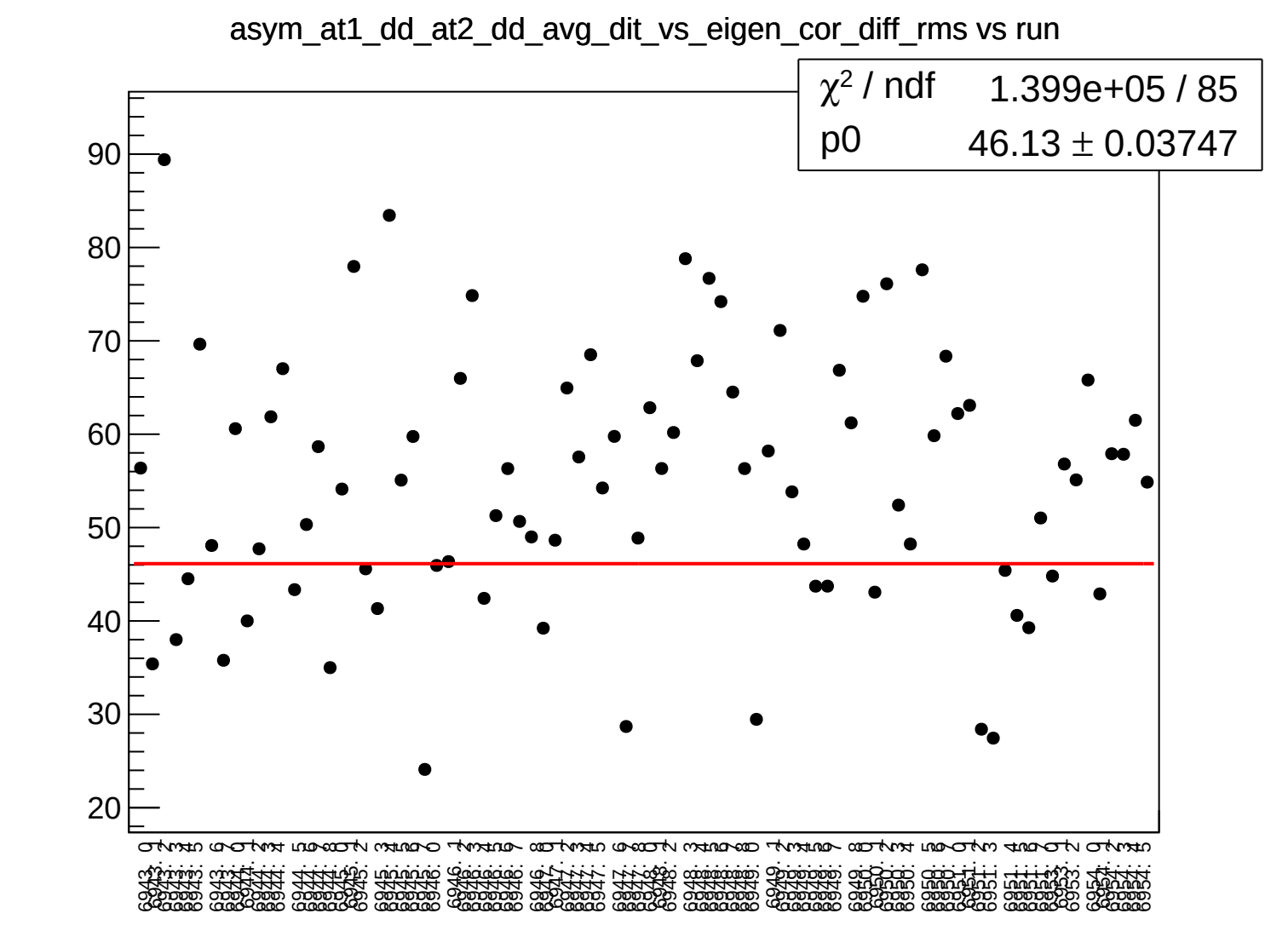

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05133 ± 0.05299
pull
Entries 86
Mean −57.05
Std Dev 0

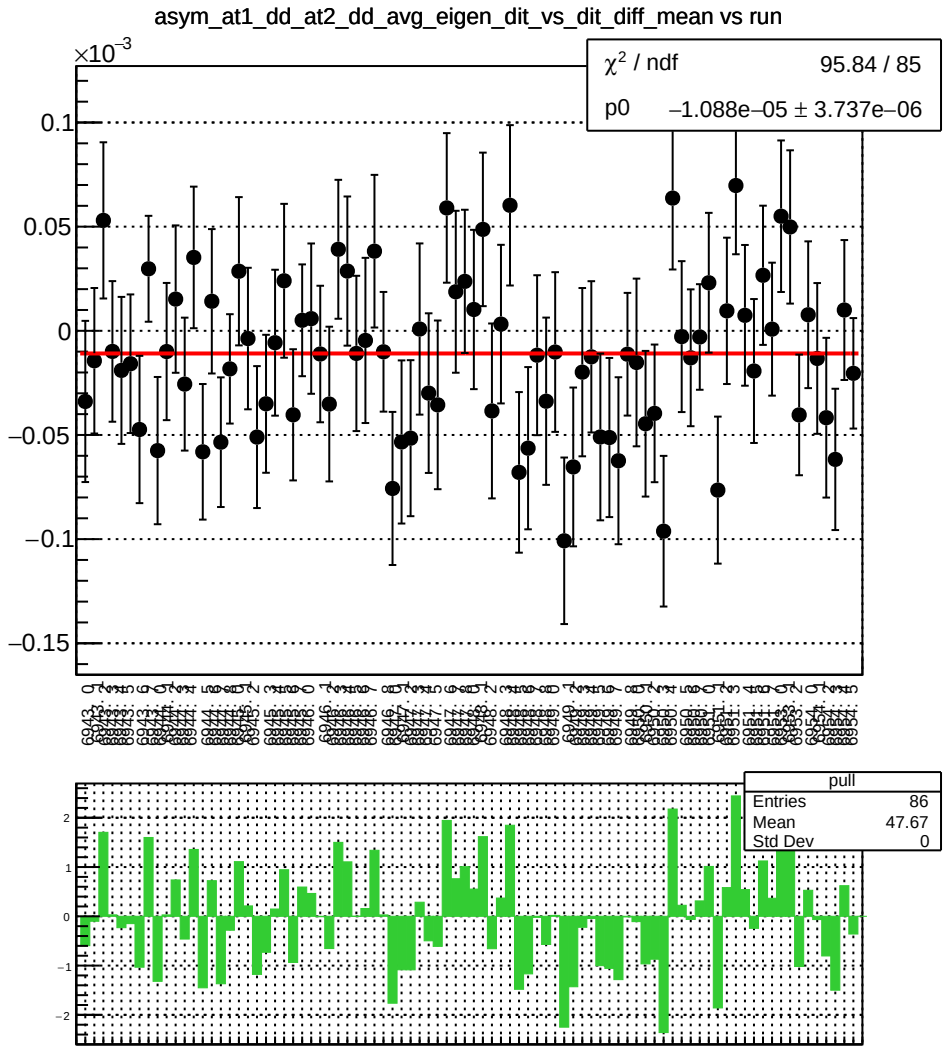

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

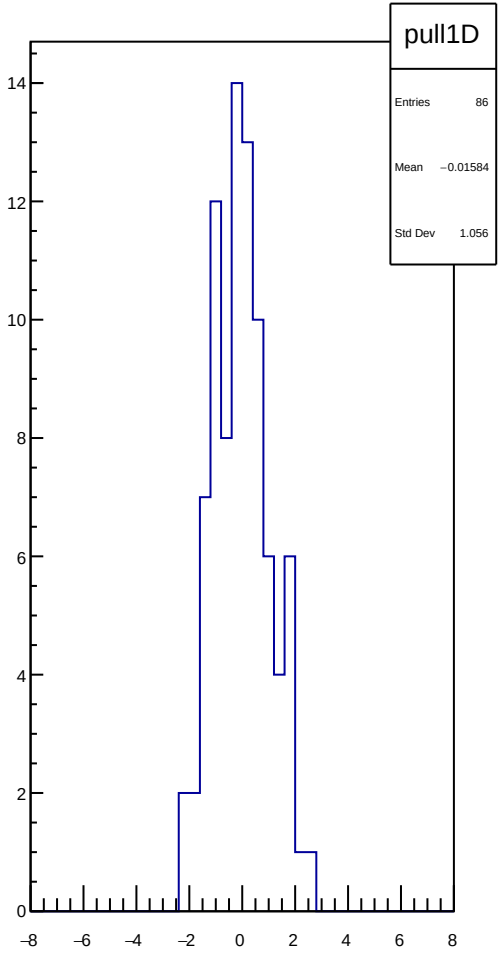

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

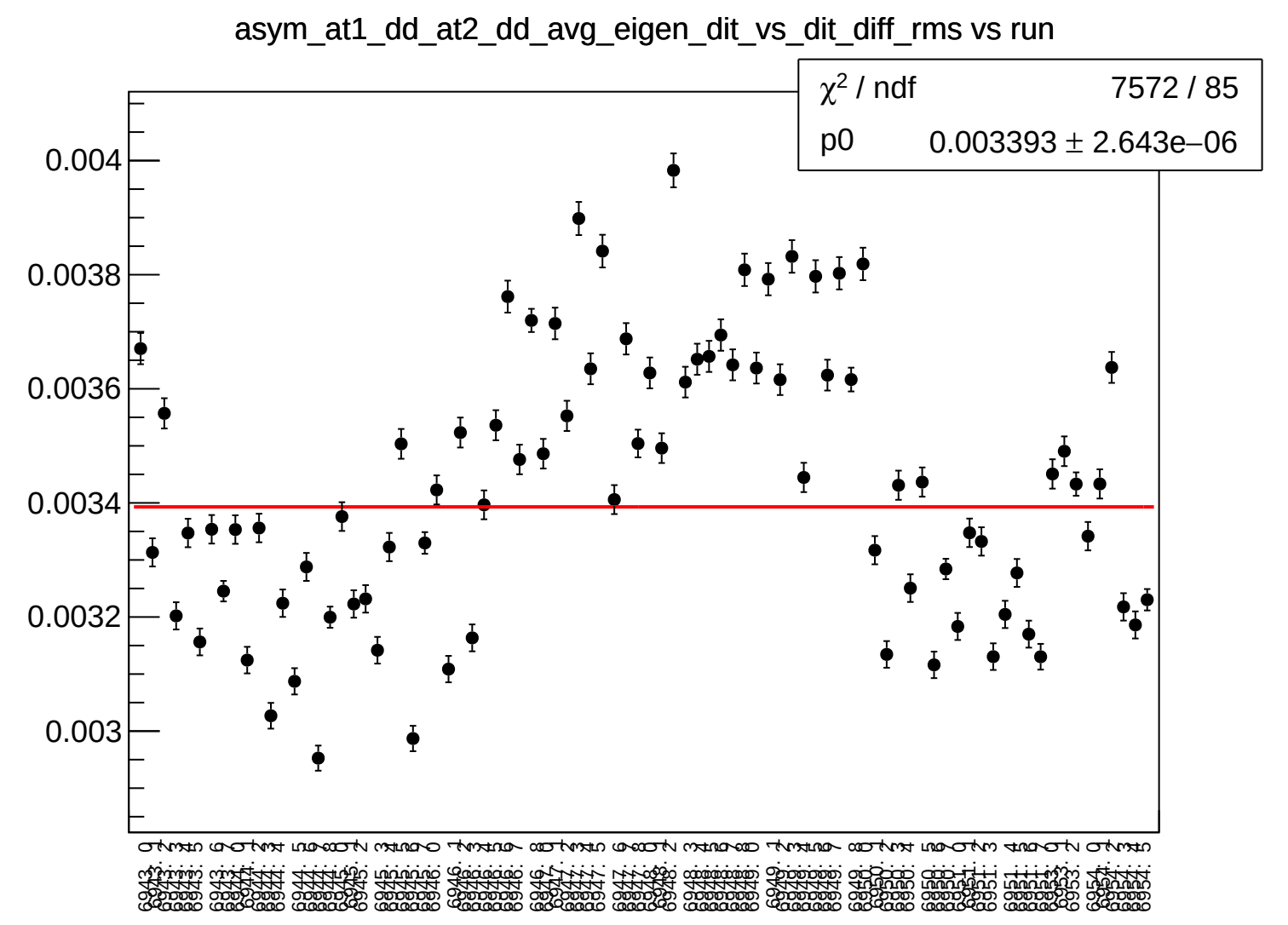

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05133 ± 0.05299
pull
Entries 86
Mean −57.05
Std Dev 0

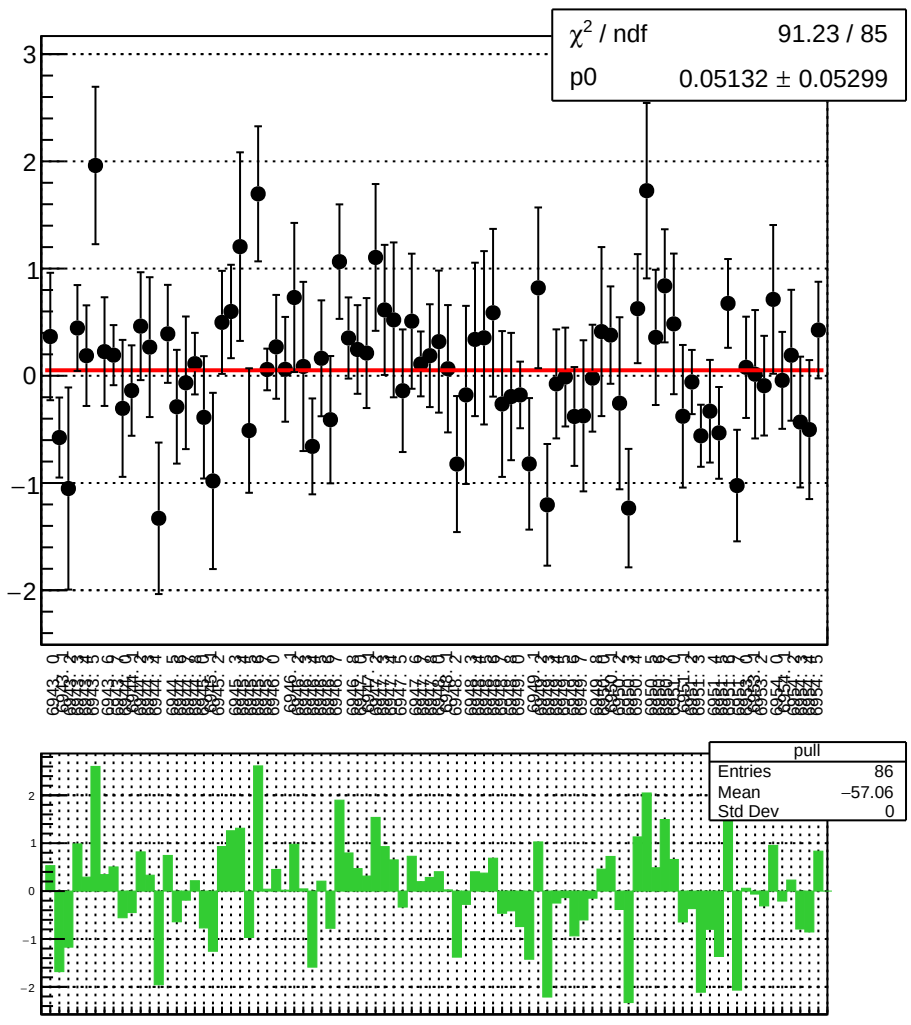

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

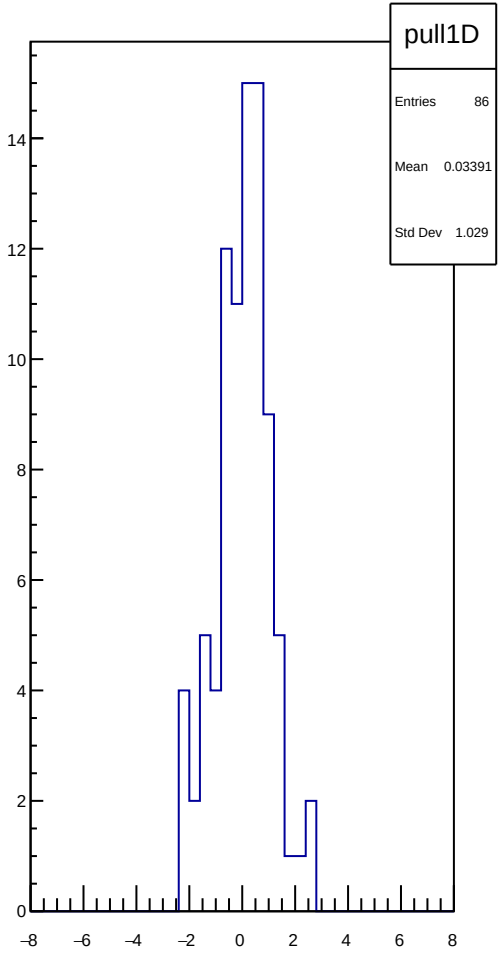

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

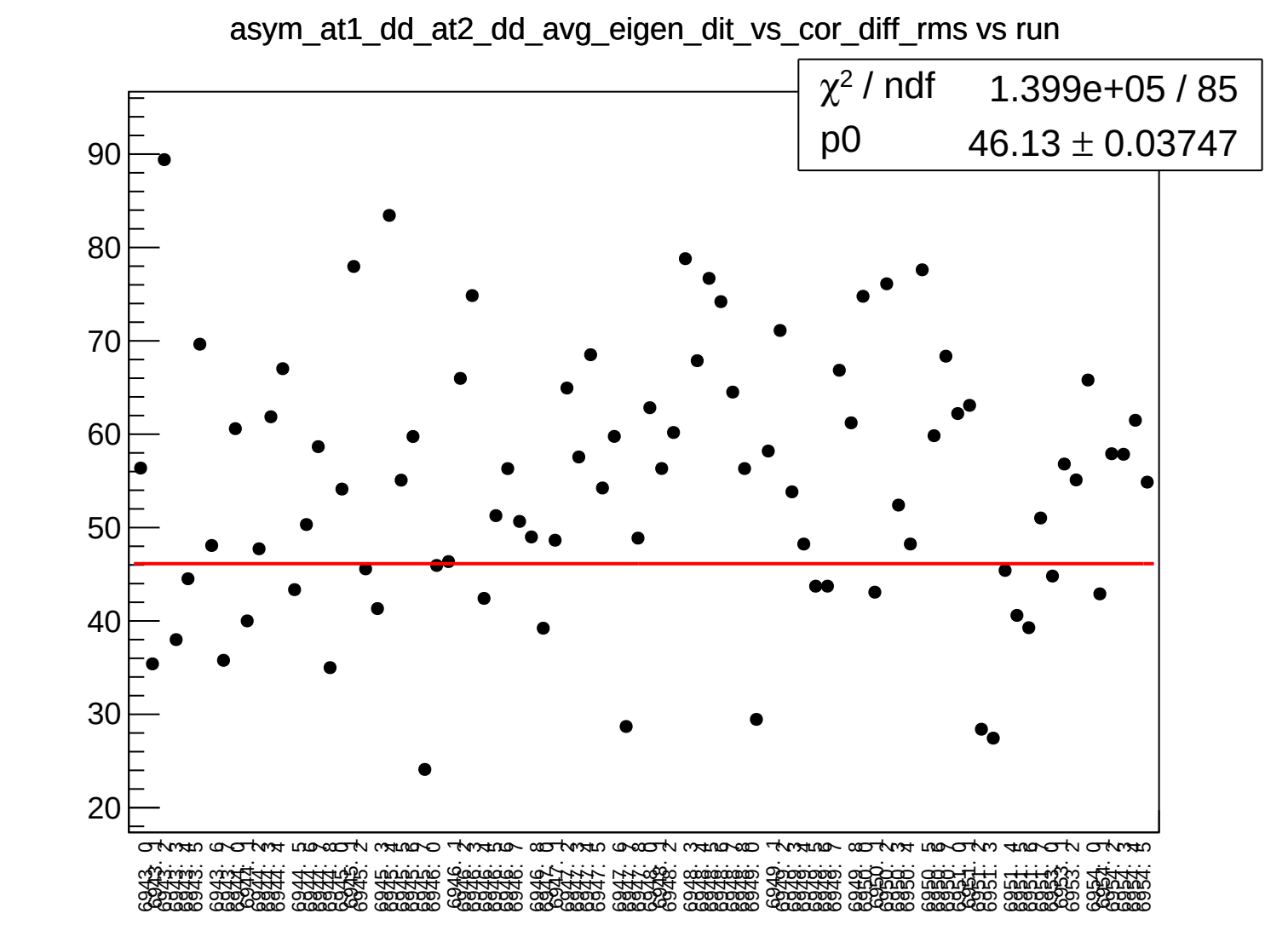

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.84 / 85
p0 −1.088e−05 ± 3.737e−06
pull
Entries 86
Mean 47.67
Std Dev 0

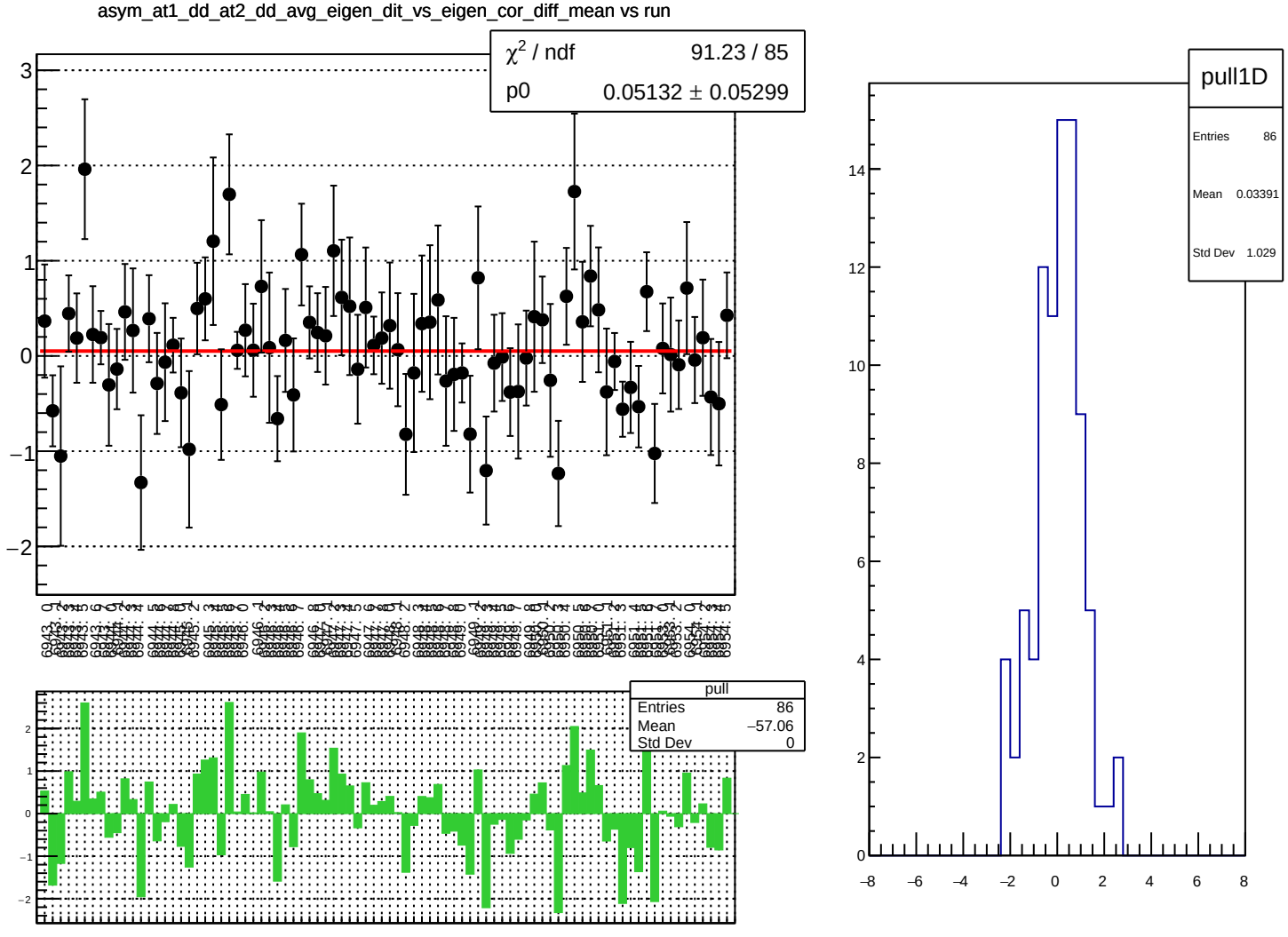

pull1D
Entries 86
Mean −0.01584
Std Dev 1.056

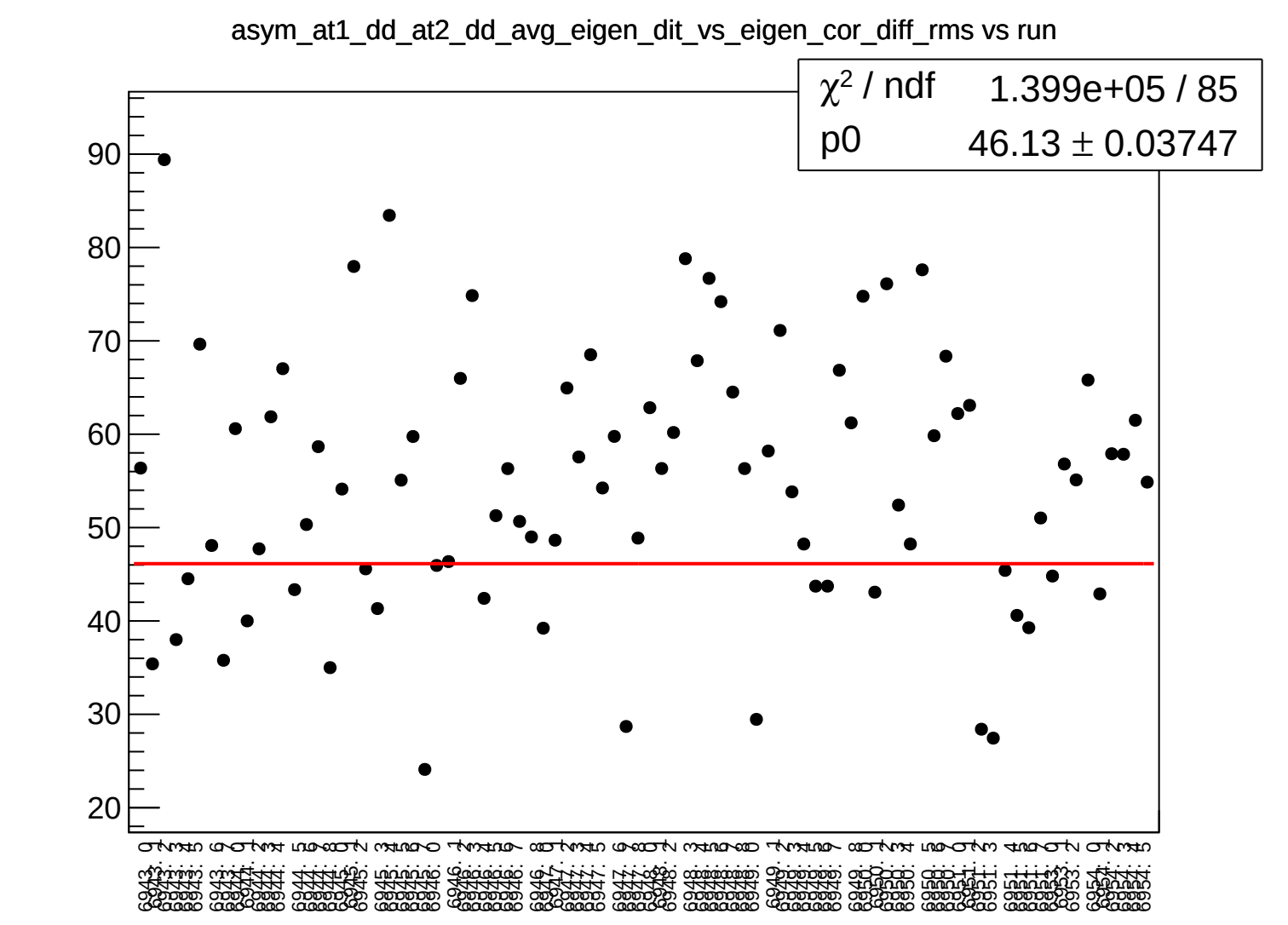

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7572 / 85
p0 0.003393 ± 2.643e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

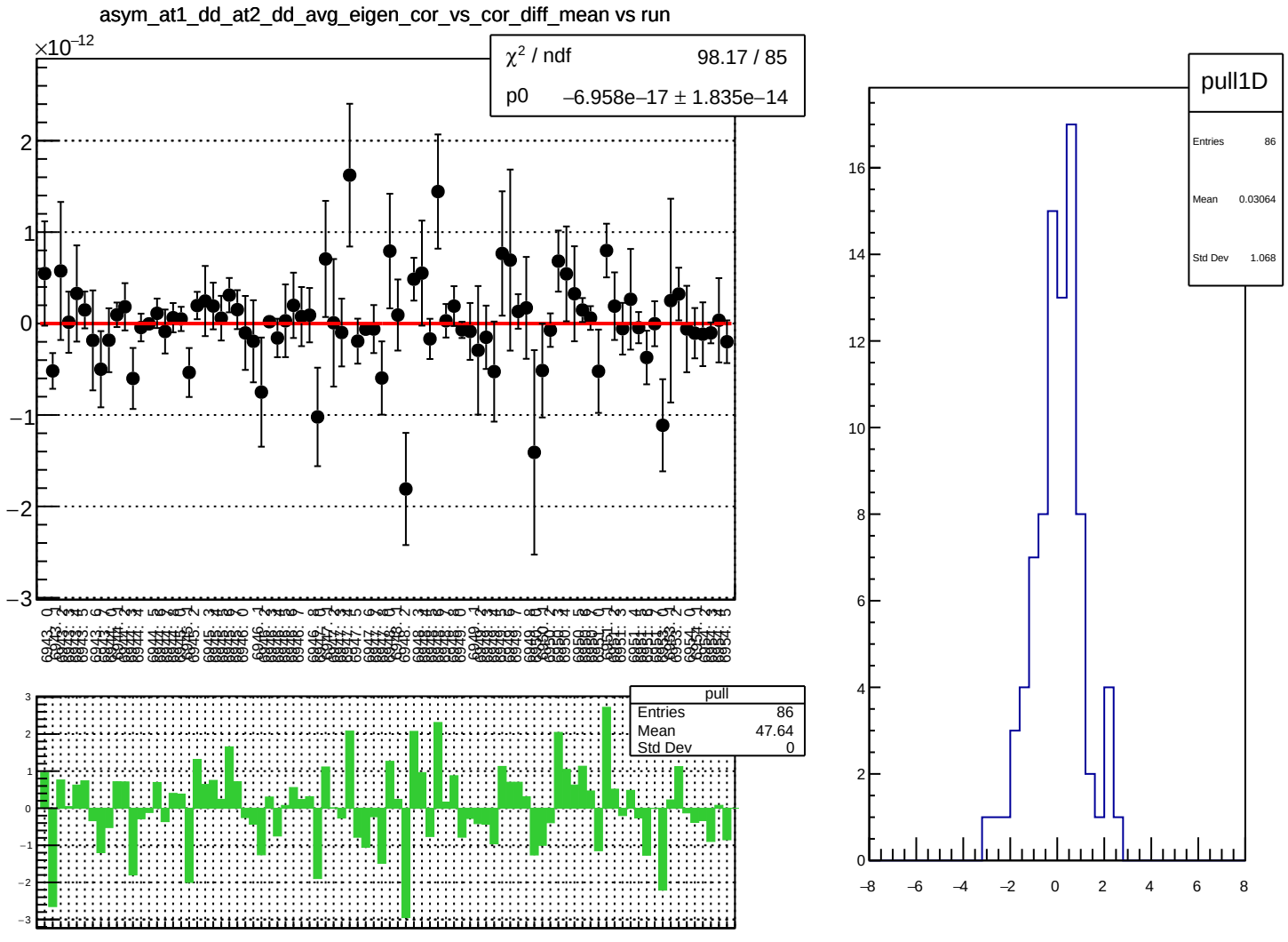

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05132 ± 0.05299
pull
Entries 86
Mean −57.06
Std Dev 0

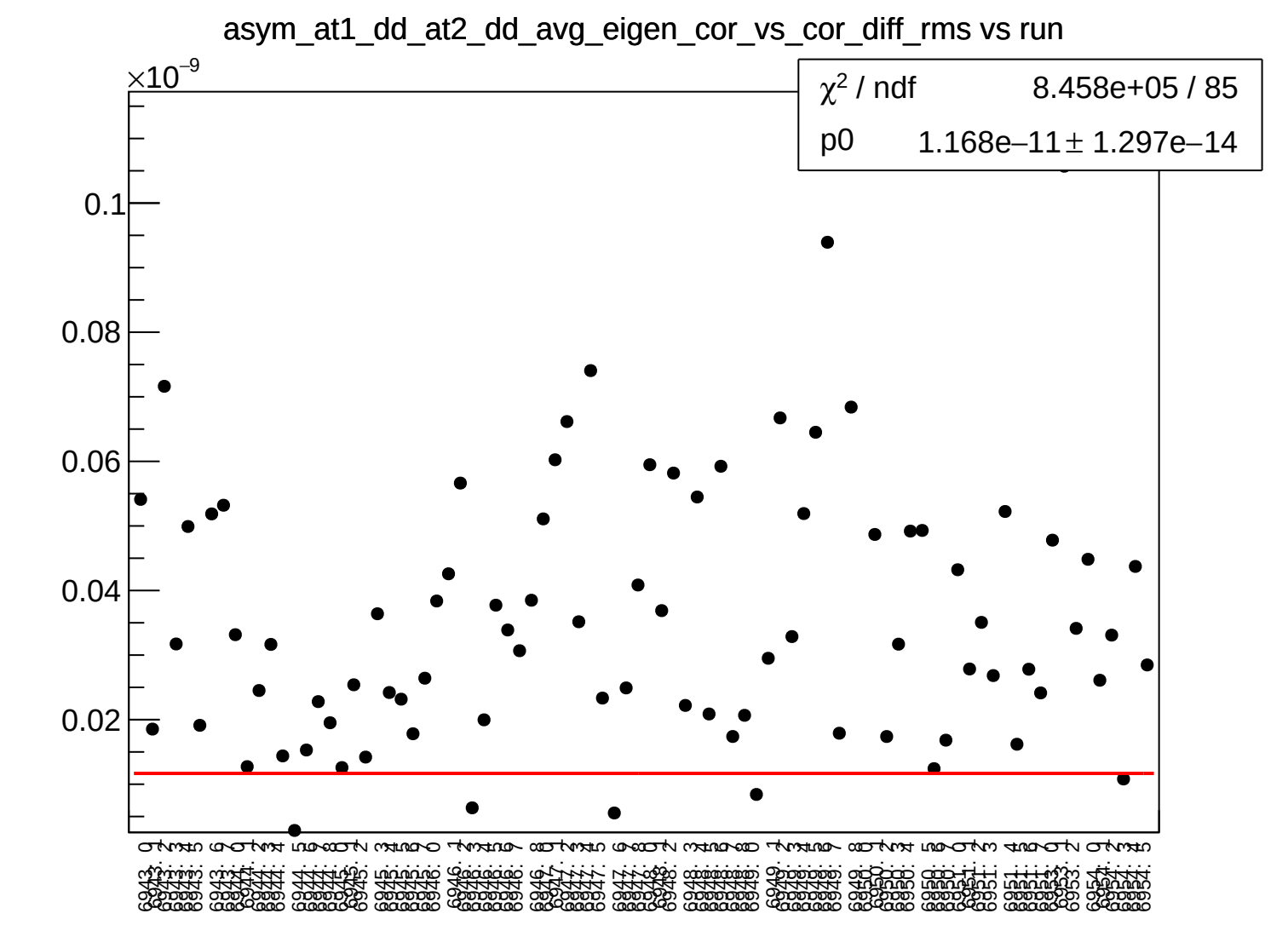

pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

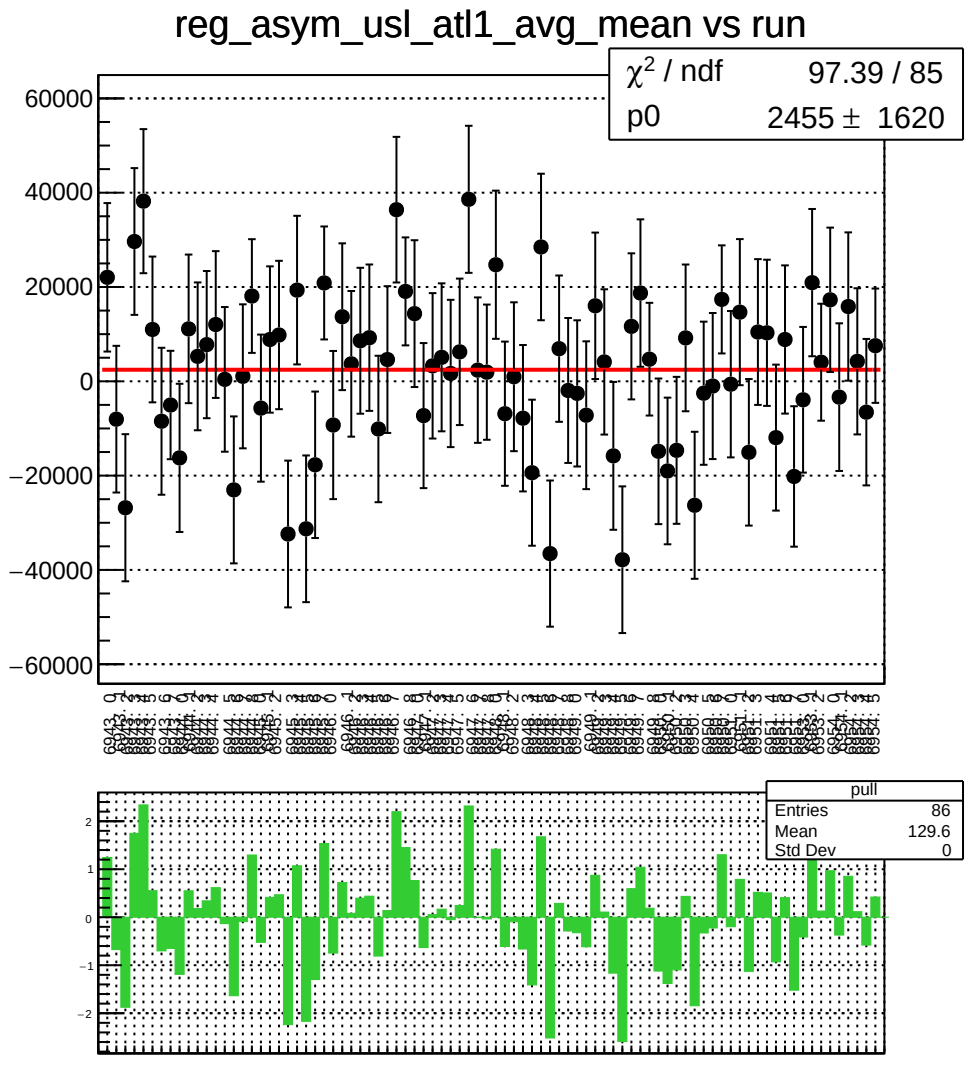

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

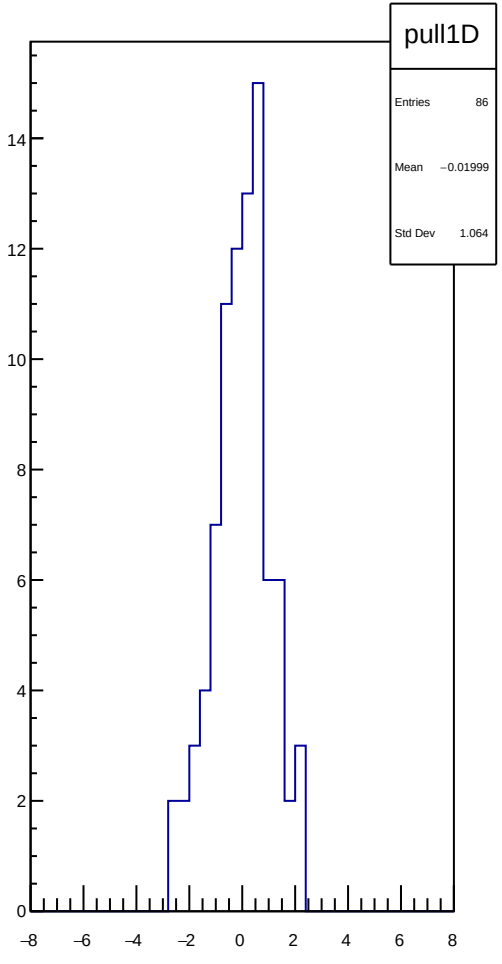

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.23 / 85
p0 0.05132 ± 0.05299
pull
Entries 86
Mean −57.06
Std Dev 0
pull1D
Entries 86
Mean 0.03391
Std Dev 1.029

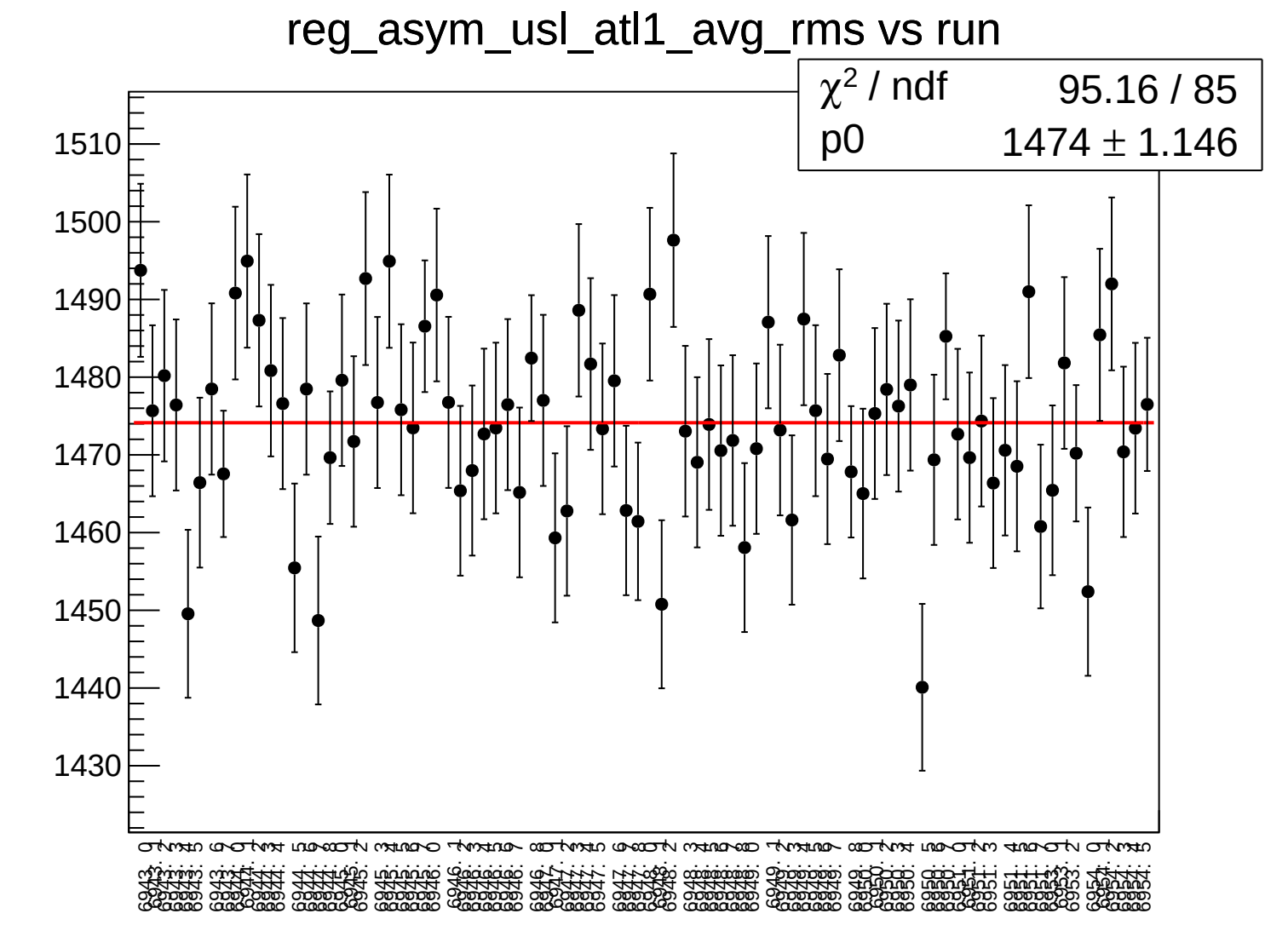

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.399e+05 / 85
p0 46.13 ± 0.03747
90
80
70
60
50
40
30
20

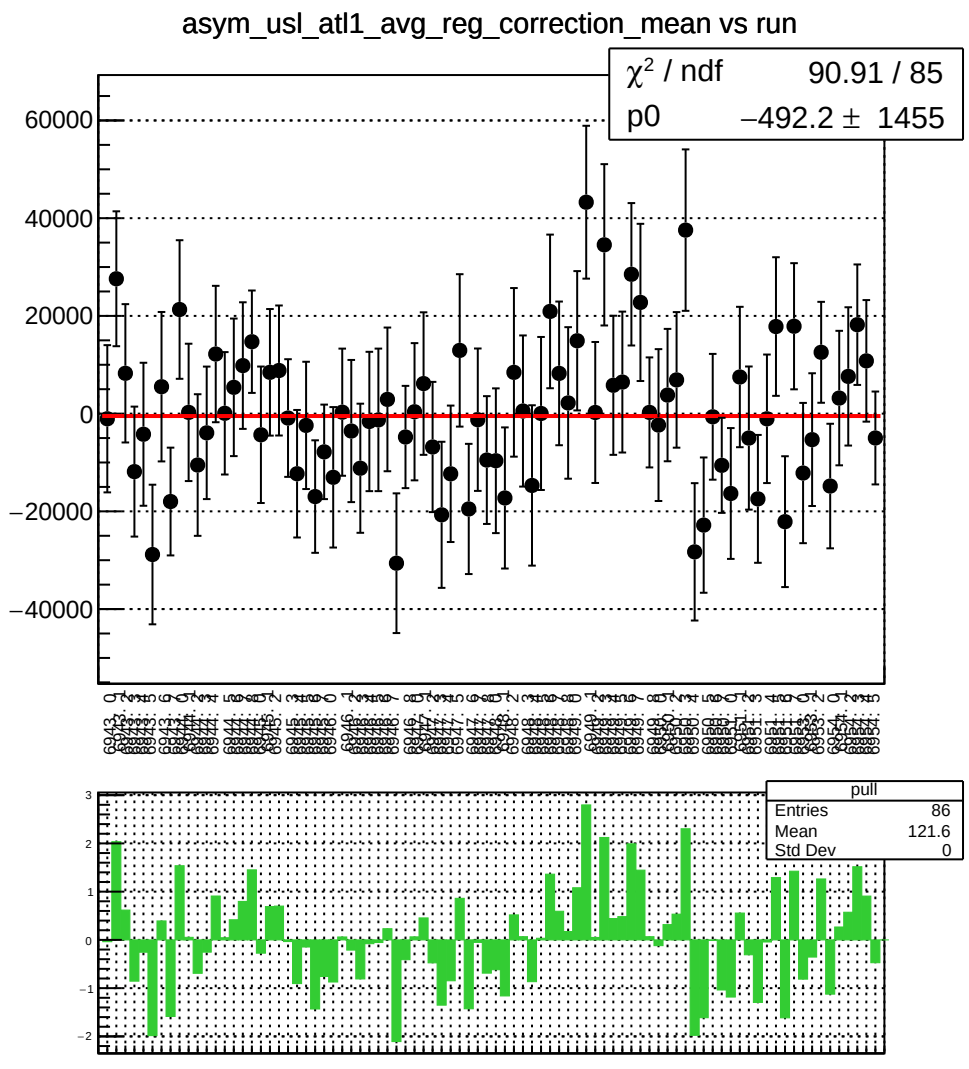

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.17 / 85
p0 −6.958e−17 ± 1.835e−14
pull
Entries 86
Mean 47.64
Std Dev 0
pull1D
Entries 86
Mean 0.03064
Std Dev 1.068

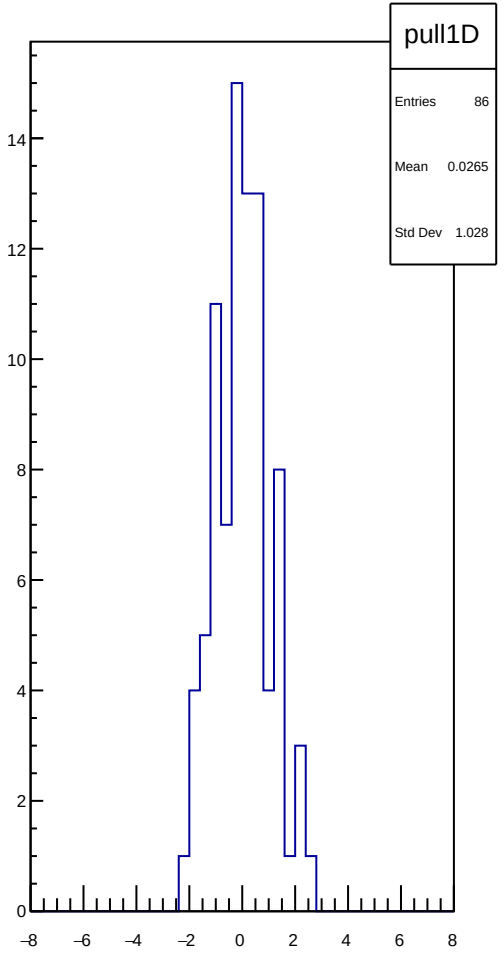

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.458e+05 / 85
p0 1.168e−11 ± 1.297e−14
0.1
0.08
0.06
0.04
0.02

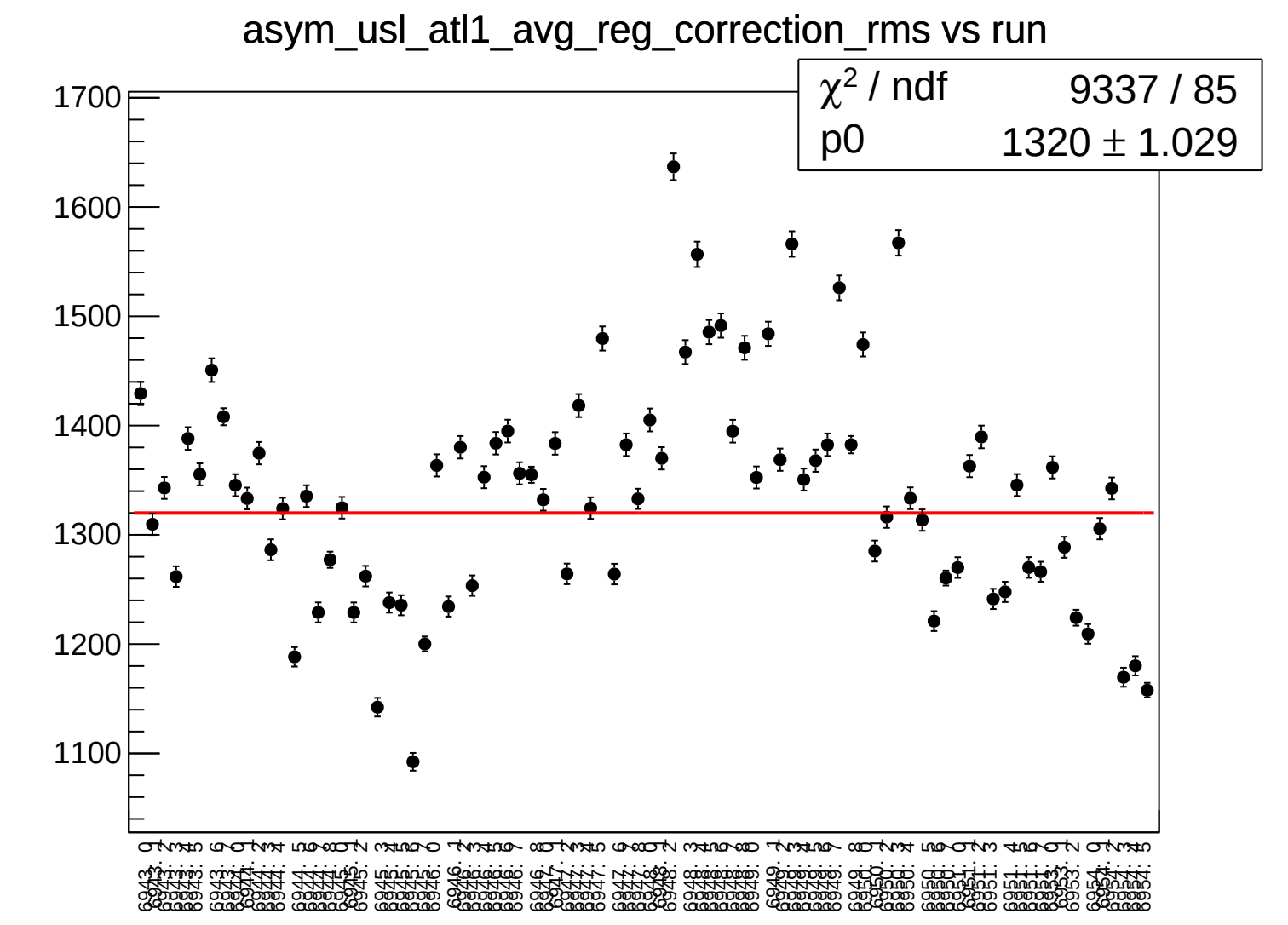

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 97.39 / 85
p0 2455 ± 1620
pull
Entries 86
Mean 129.6
Std Dev 0

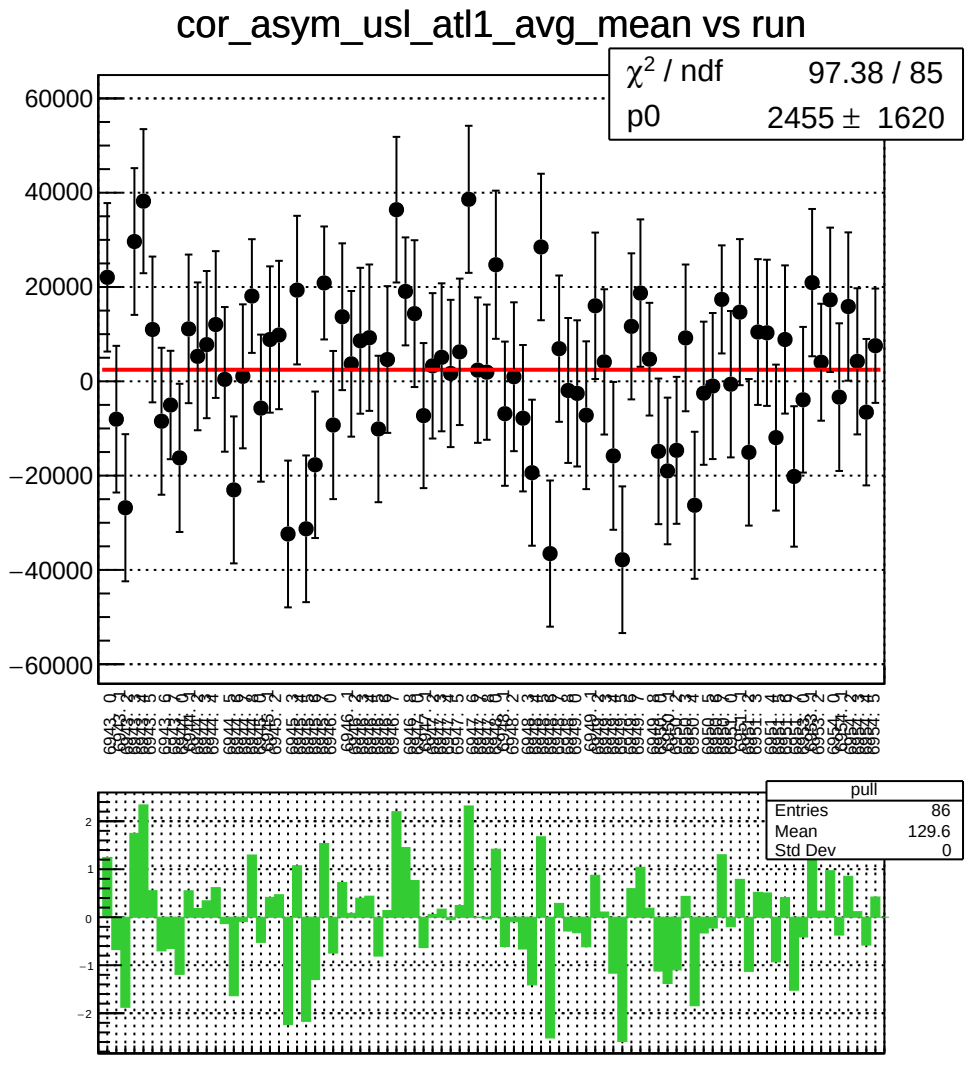

pull1D
Entries 86
Mean −0.01999
Std Dev 1.064

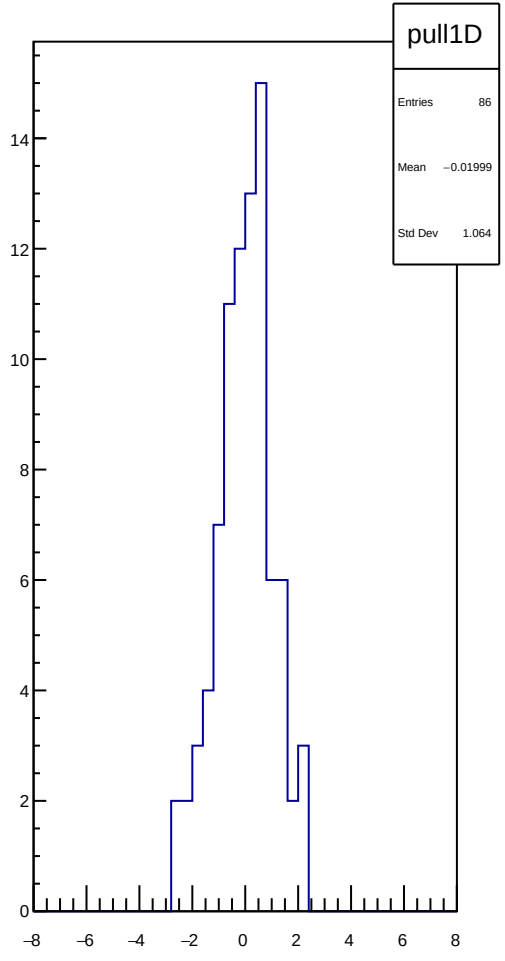

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 95.16 / 85
p0 1474 ± 1.146
1510
1500
1490
1480
1470
1460
1450
1440
1430

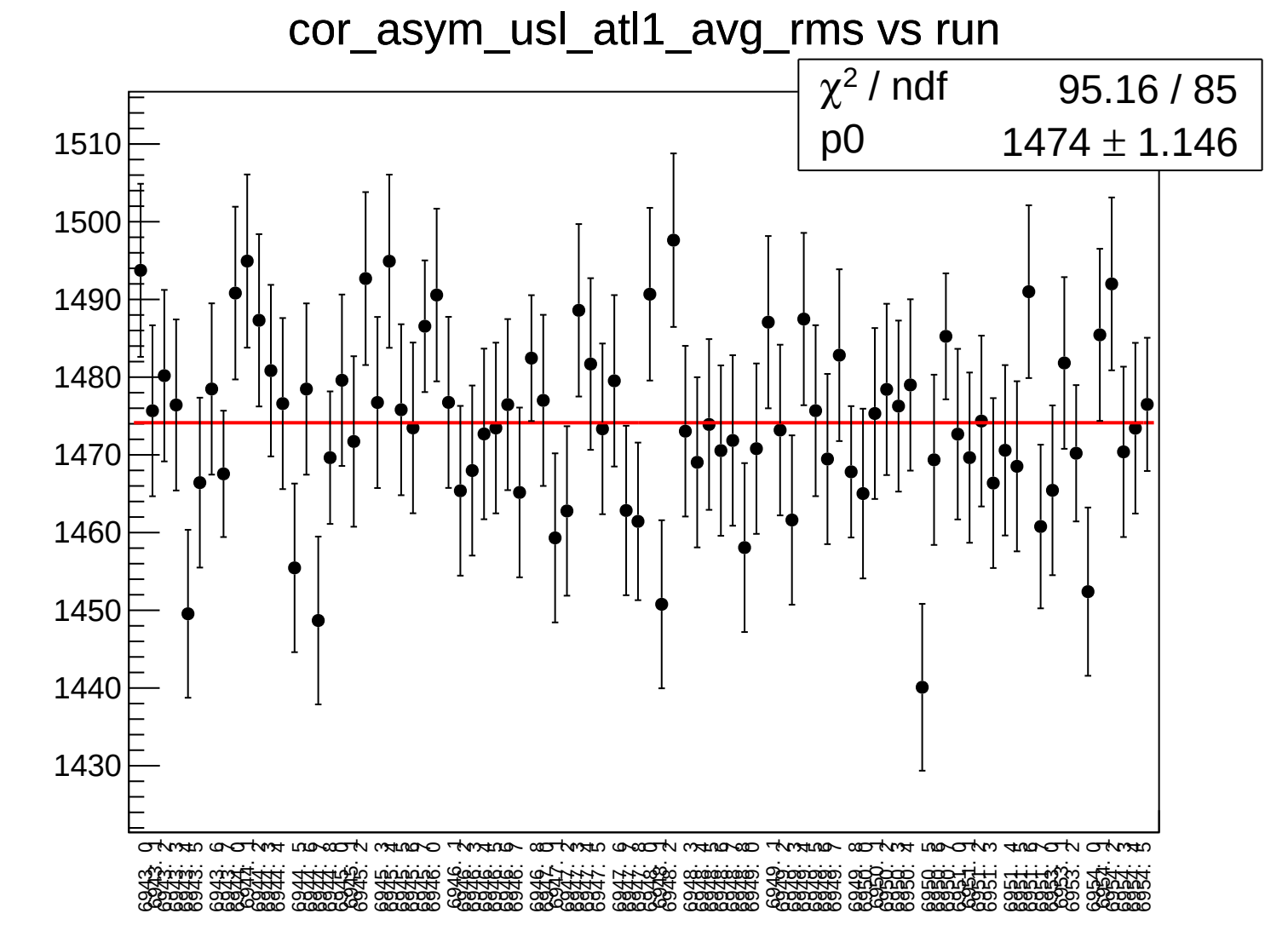

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 90.91 / 85
p0 −492.2 ± 1455
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 121.6
Std Dev 0
3
2
1
0
−1
−2

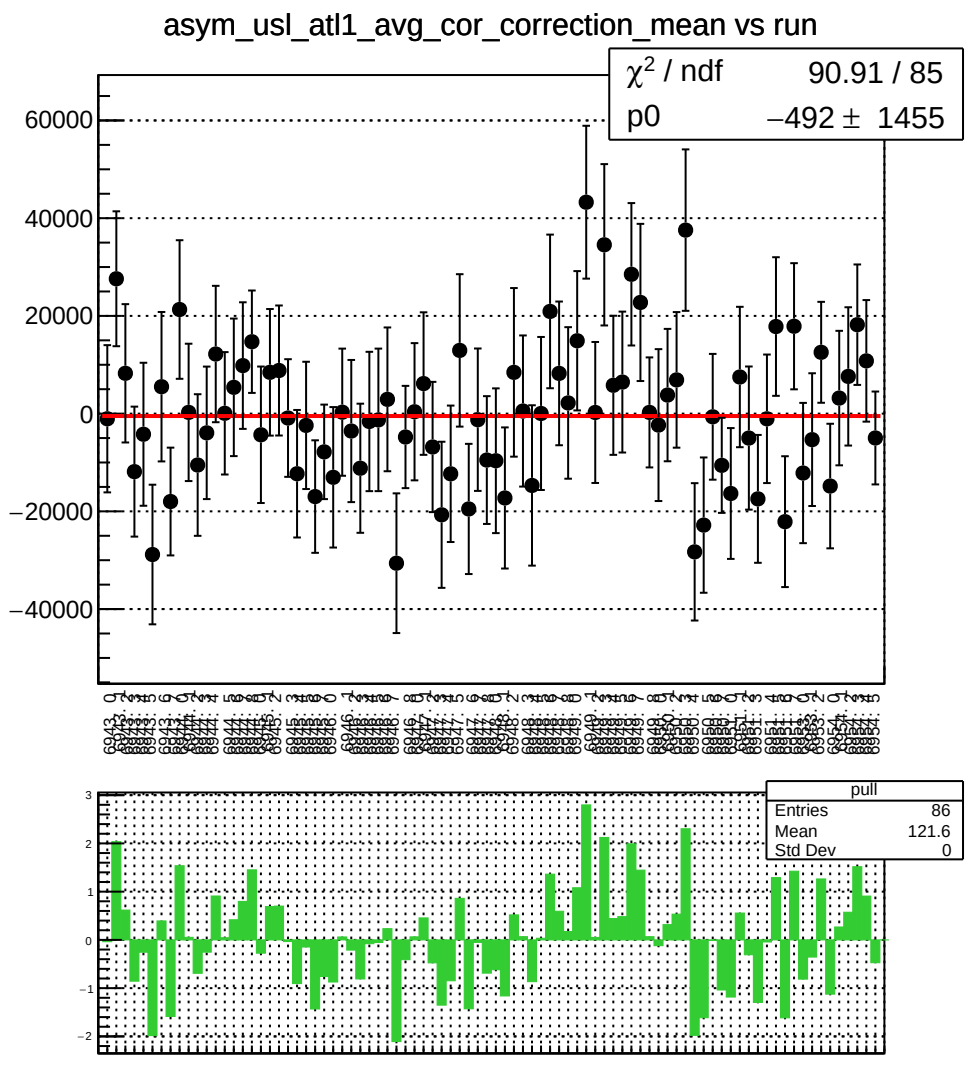

pull1D
Entries 86
Mean 0.0265
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

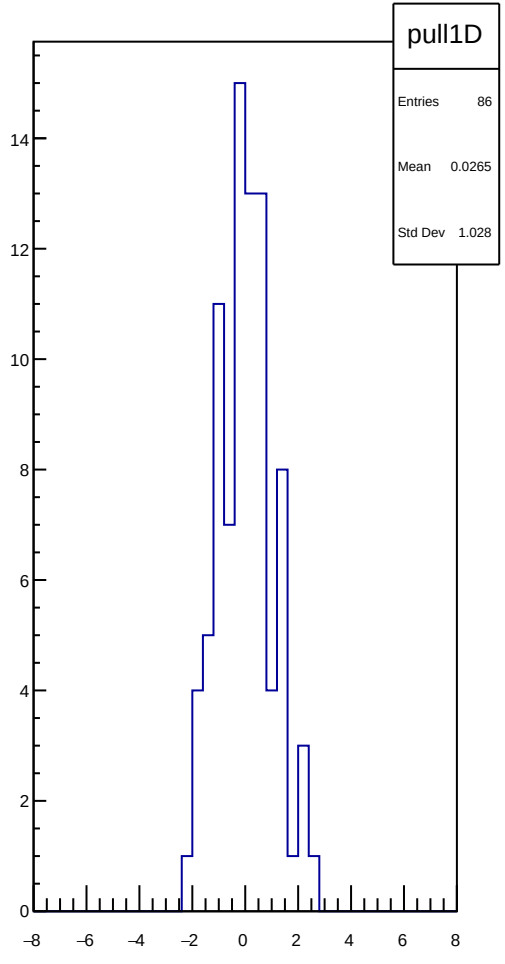

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 9337 / 85
p0 1320 ± 1.029
1700
1600
1500
1400
1300
1200
1100

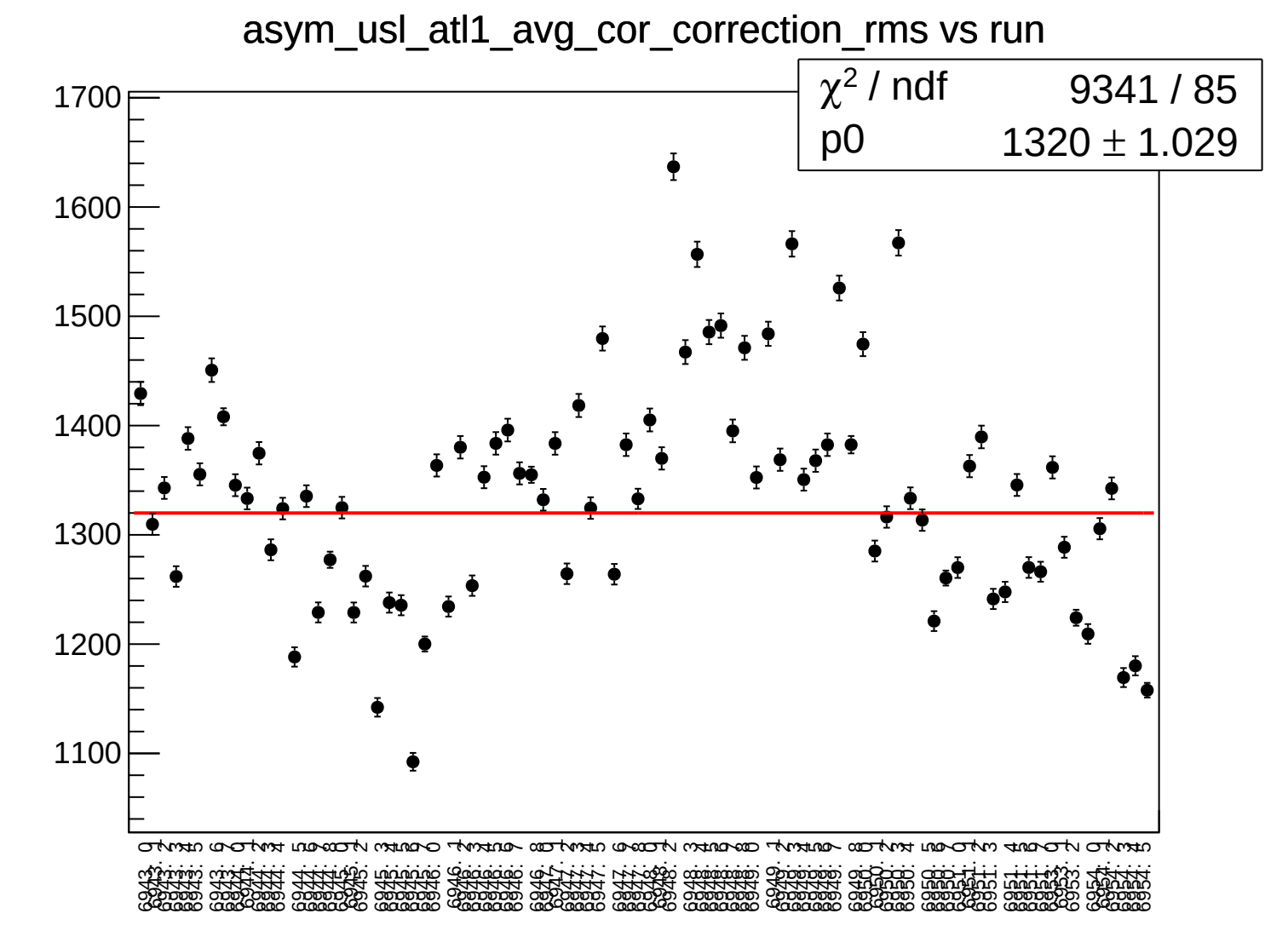

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 97.38 / 85
p0 2455 ± 1620
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 129.6
Std Dev 0
2
1
0
−1
−2

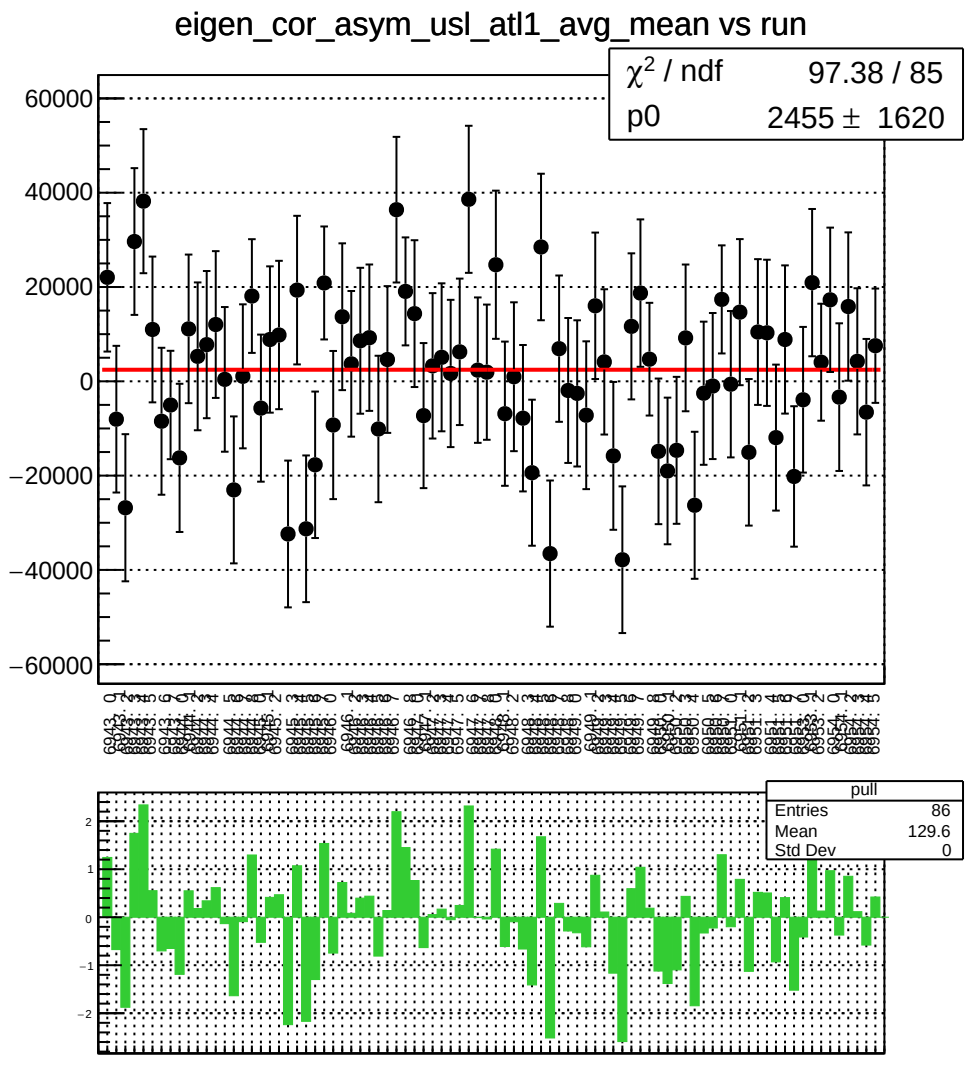

pull1D
Entries 86
Mean −0.01999
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

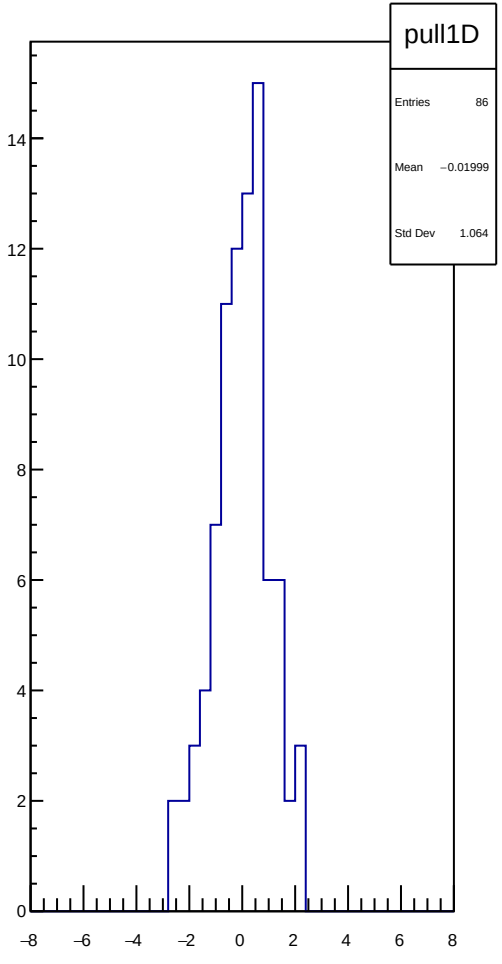

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 95.16 / 85
p0 1474 ± 1.146
1510
1500
1490
1480
1470
1460
1450
1440
1430

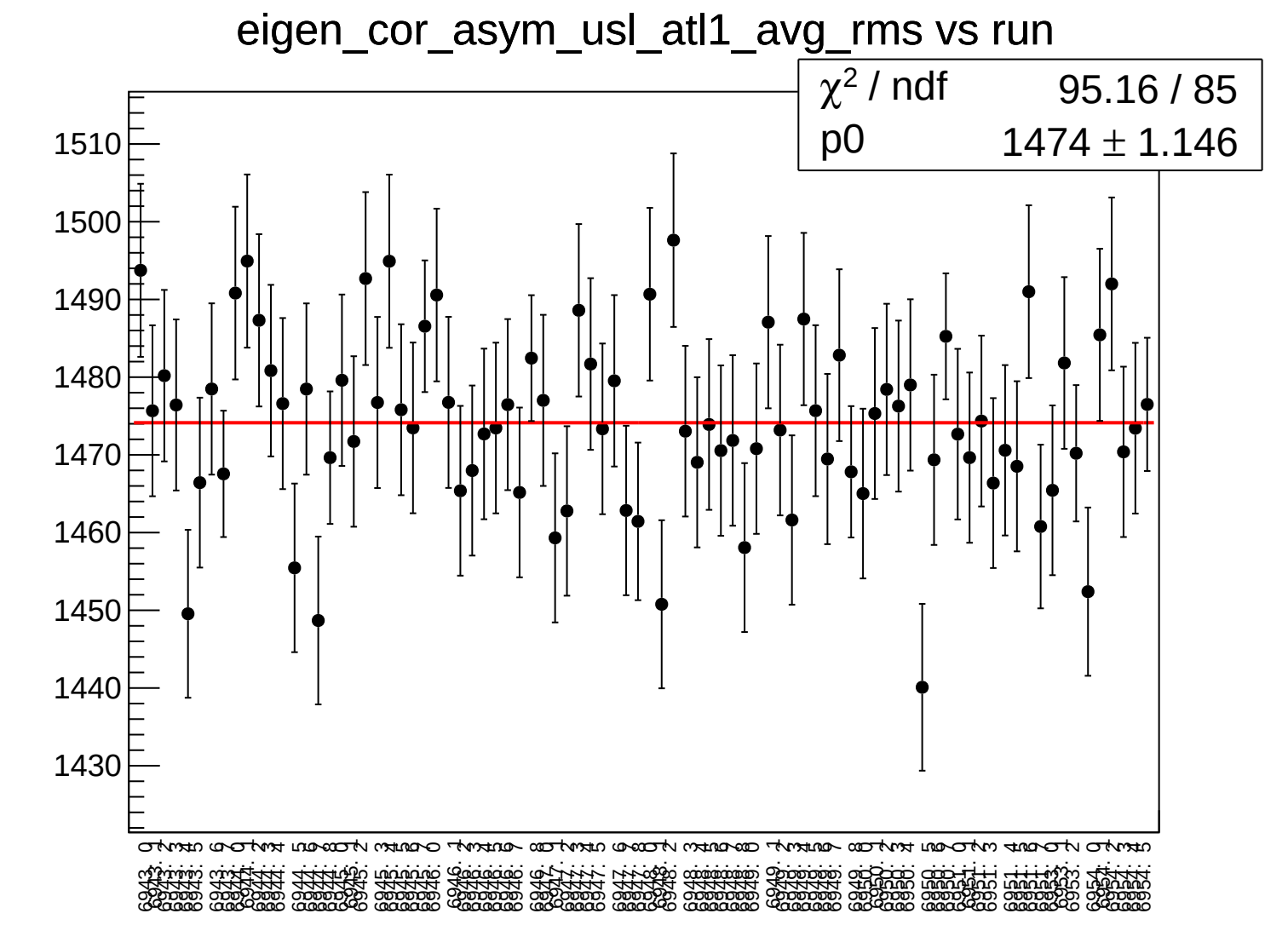

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 90.91 / 85
p0 −492 ± 1455
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 121.6
Std Dev 0
3
2
1
0
−1
−2

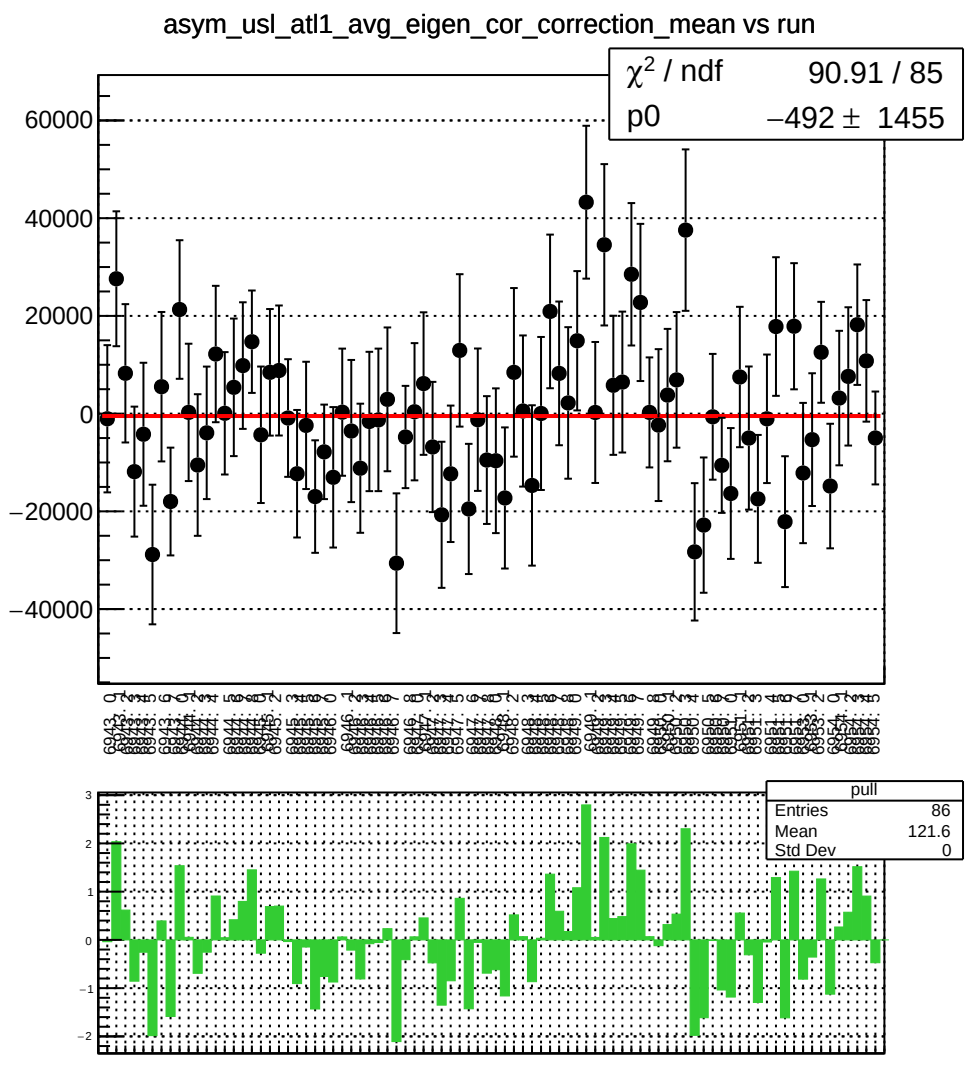

pull1D
Entries 86
Mean 0.0265
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

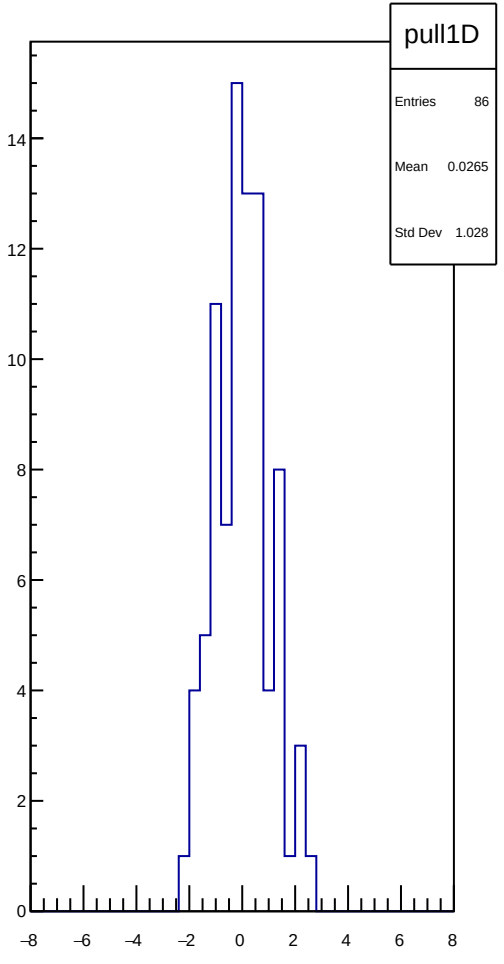

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 9341 / 85
p0 1320 ± 1.029
1700
1600
1500
1400
1300
1200
1100

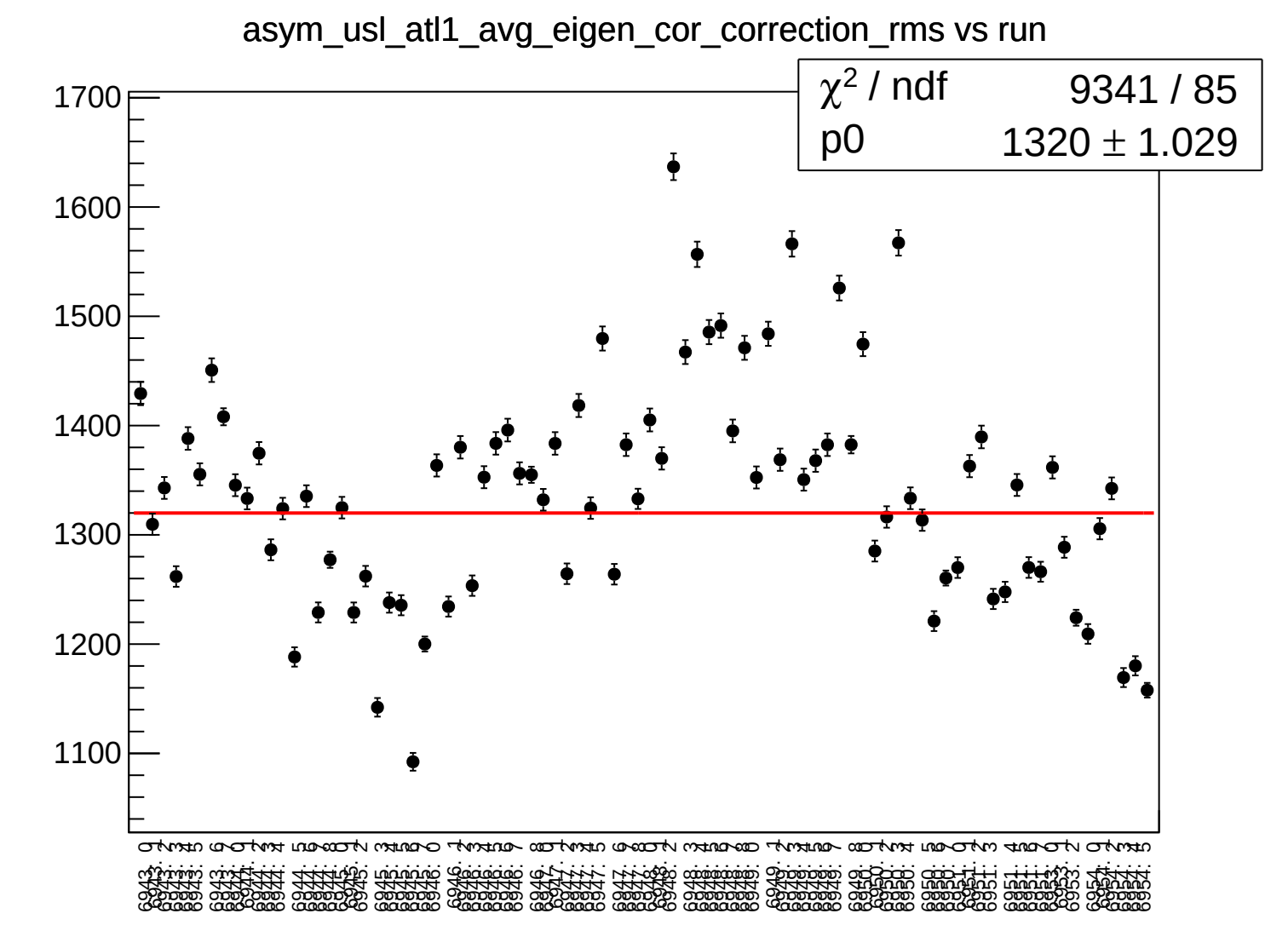

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 97.38 / 85
p0 2455 ± 1620
pull
Entries 86
Mean 129.6
Std Dev 0

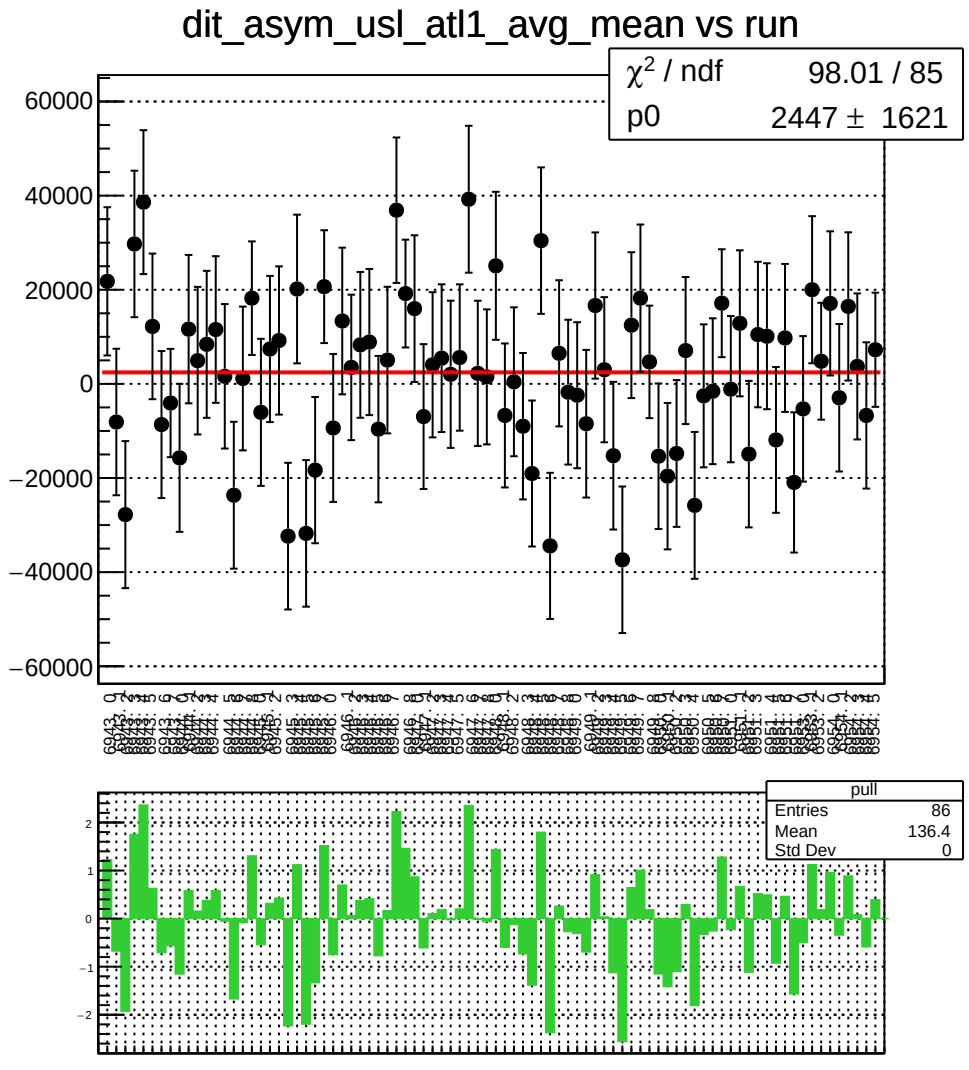

pull1D
Entries 86
Mean −0.01999
Std Dev 1.064

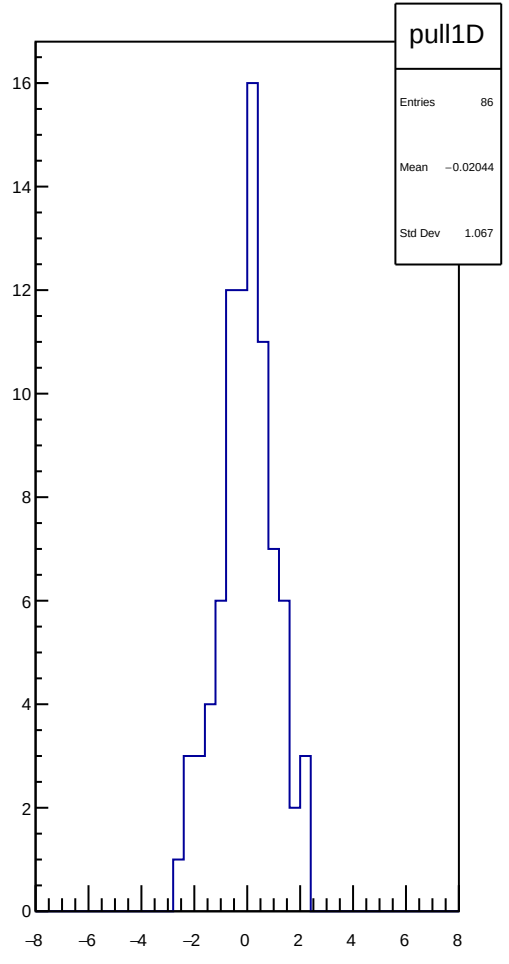

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 95.16 / 85
p0 1474 ± 1.146
1510
1500
1490
1480
1470
1460
1450
1440
1430

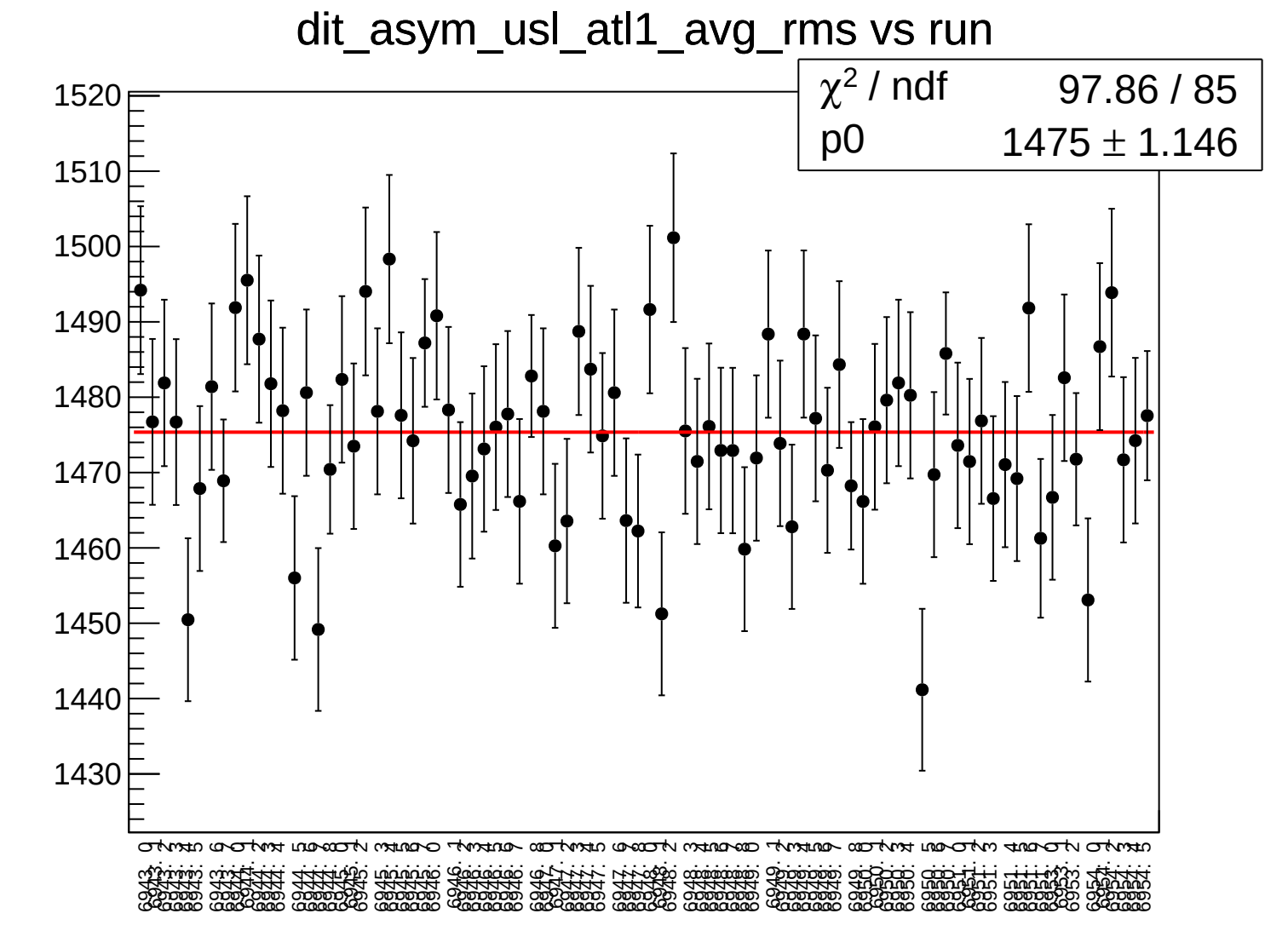

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 90.91 / 85
p0 −492 ± 1455
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 121.6
Std Dev 0
3
2
1
0
−1
−2

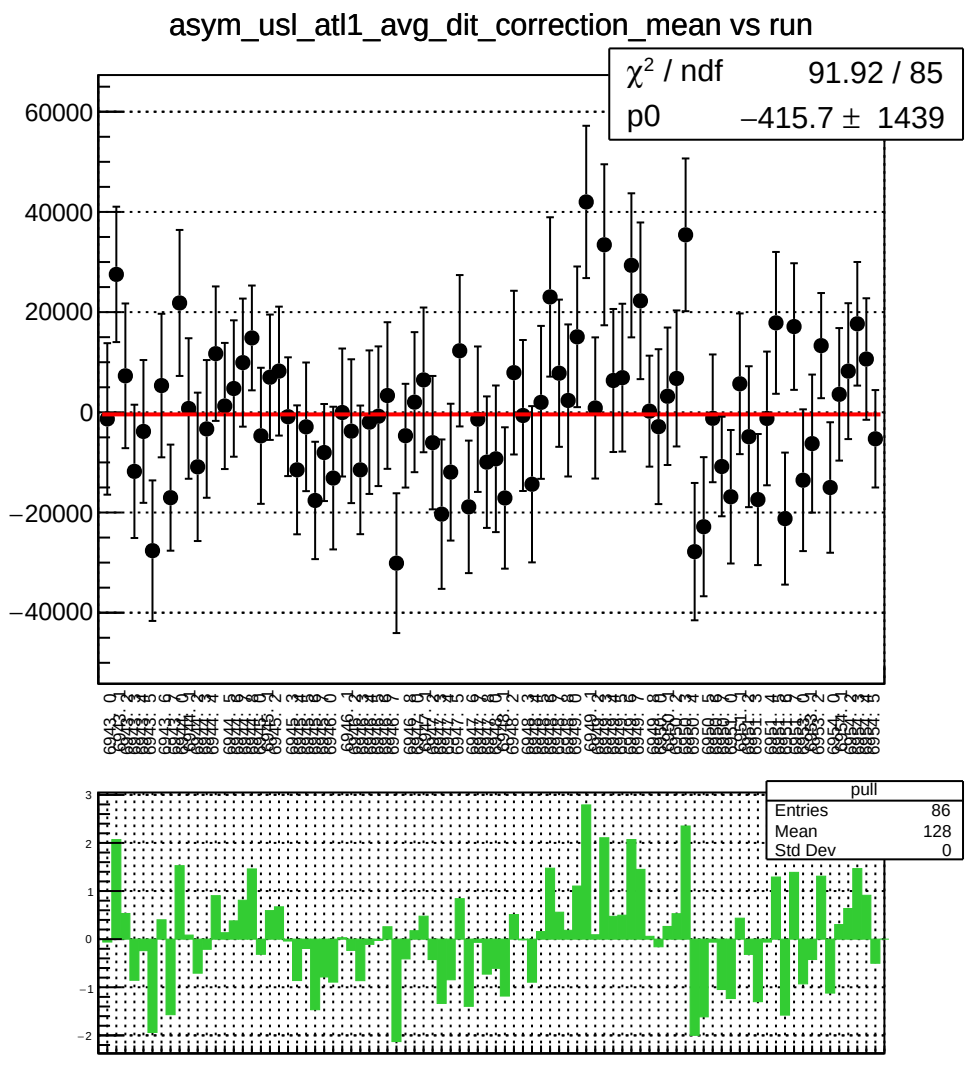

pull1D
Entries 86
Mean 0.0265
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

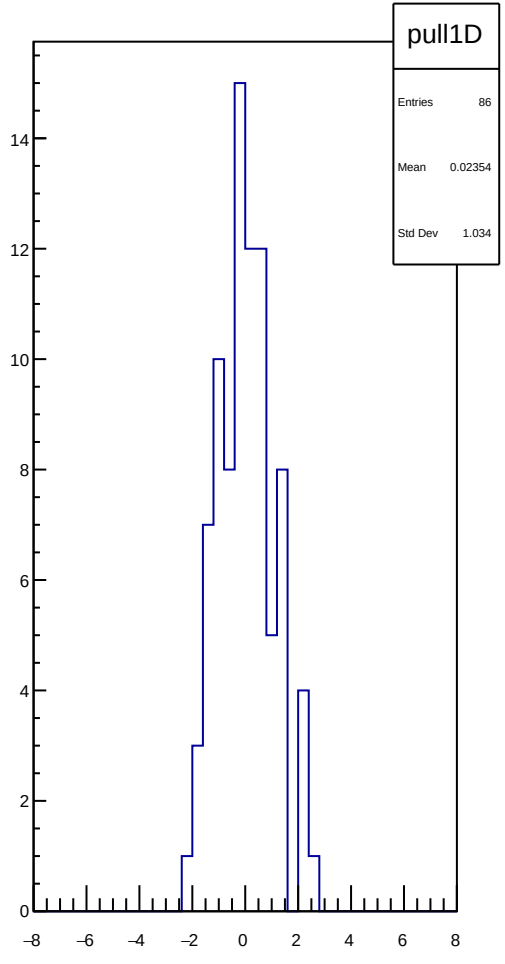

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 9341 / 85
p0 1320 ± 1.029
1700
1600
1500
1400
1300
1200
1100

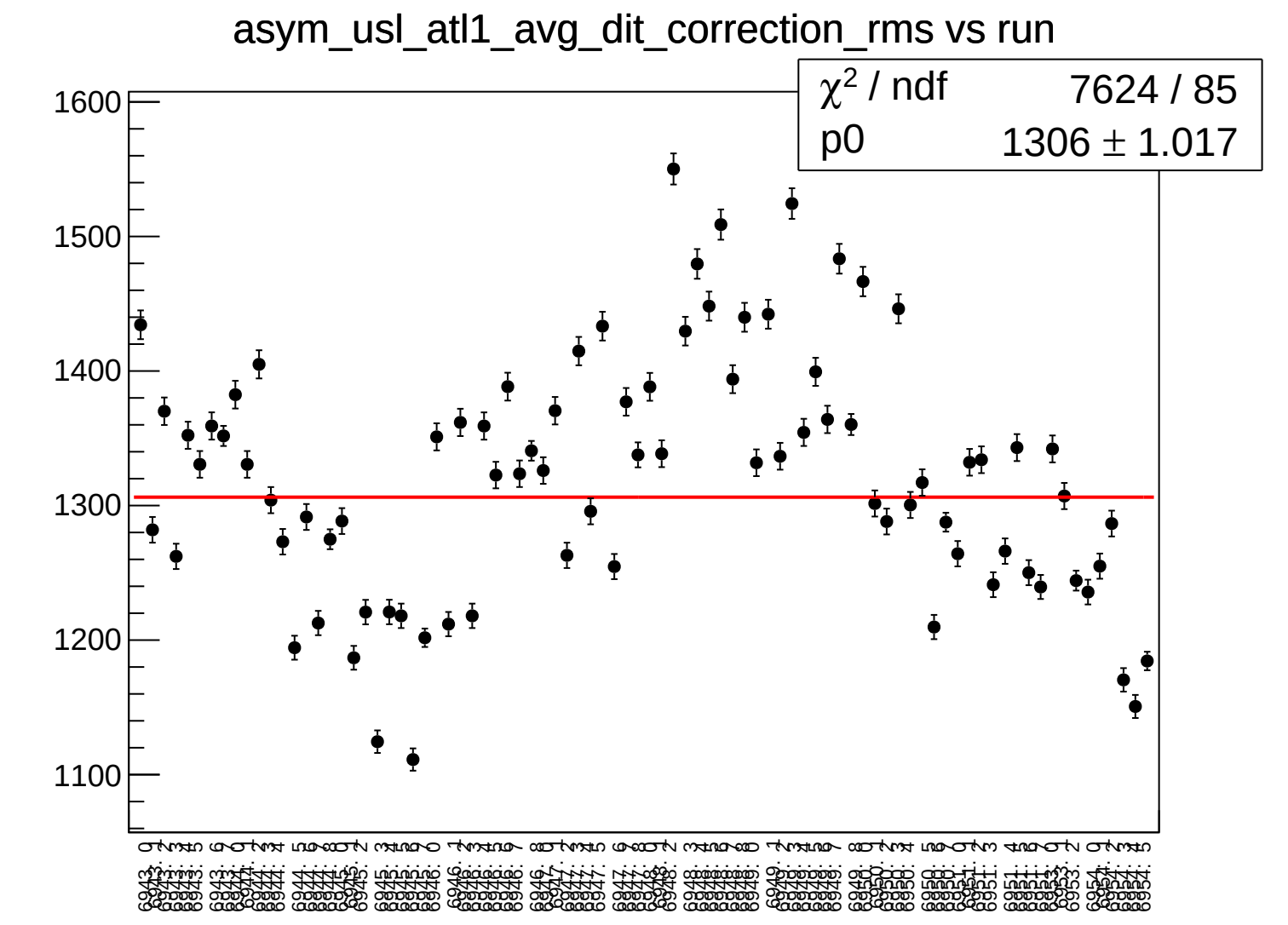

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 98.01 / 85
p0 2447 ± 1621
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 136.4
Std Dev 0
2
1
0
−1
−2

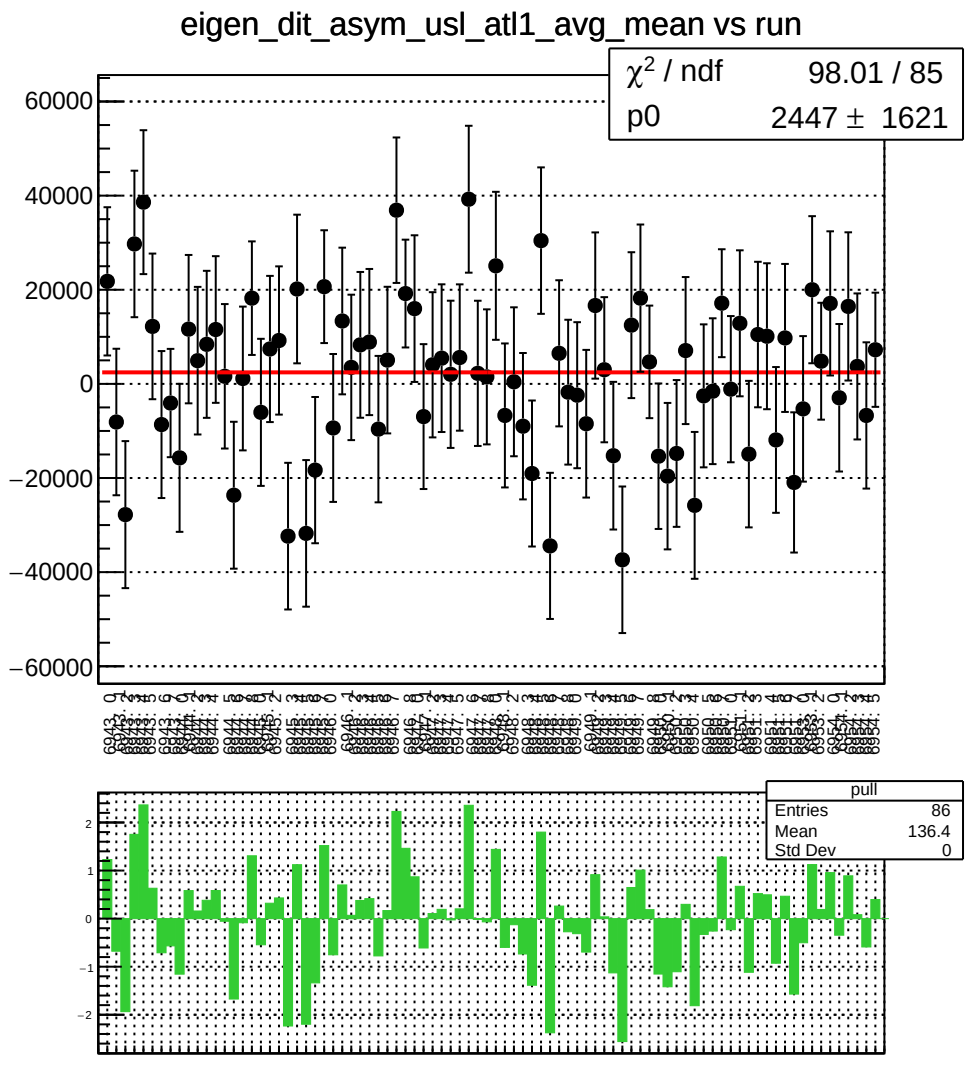

pull1D
Entries 86
Mean −0.02044
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

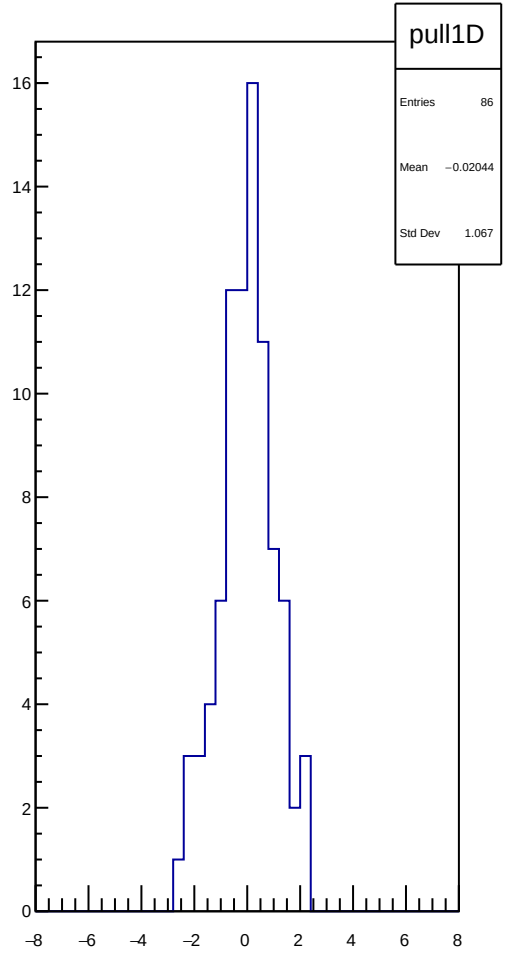

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 97.86 / 85
p0 1475 ± 1.146
1520
1510
1500
1490
1480
1470
1460
1450
1440
1430

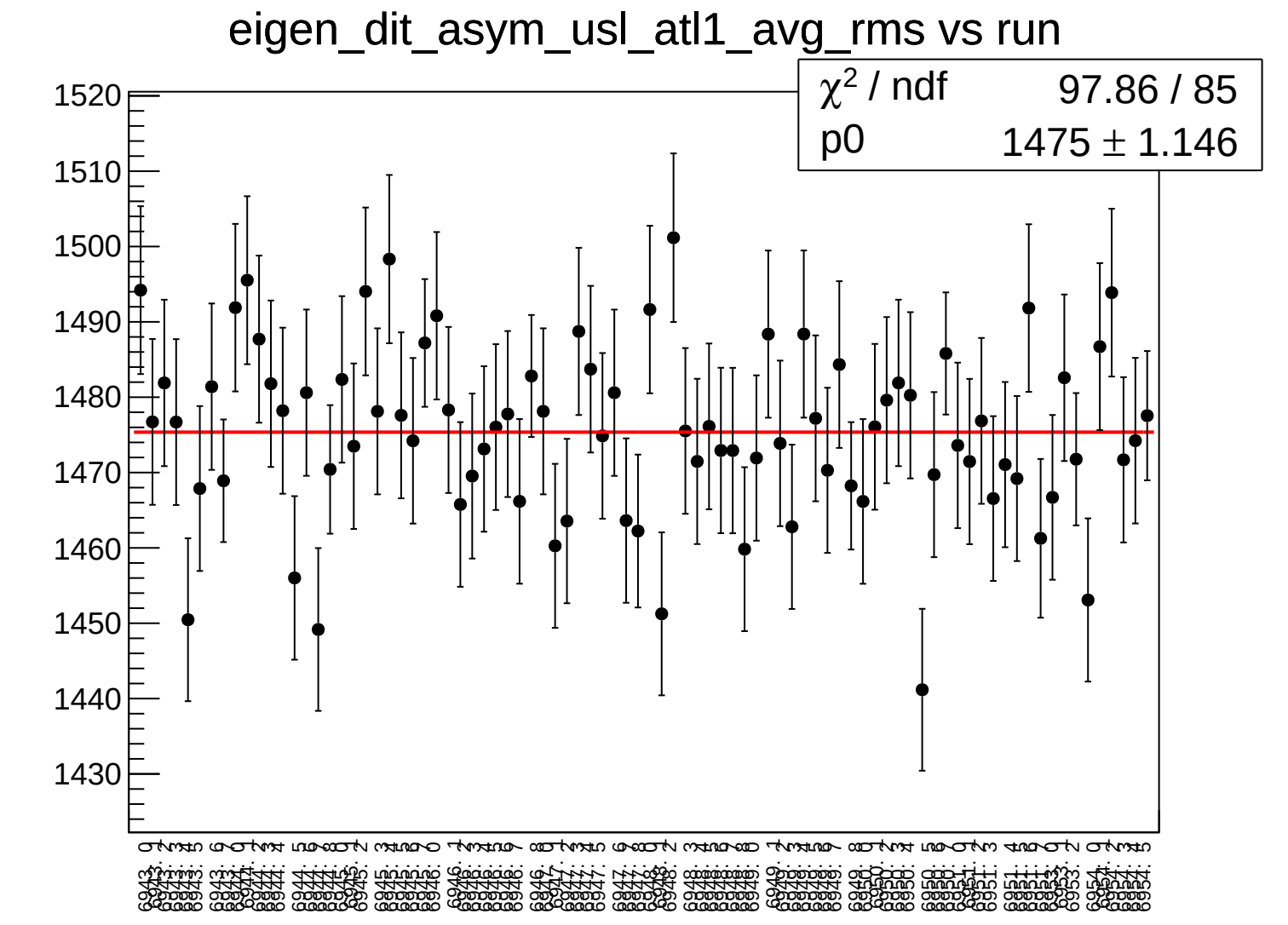

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 91.92 / 85
p0 −415.7 ± 1439
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 128
Std Dev 0
3
2
1
0
−1
−2

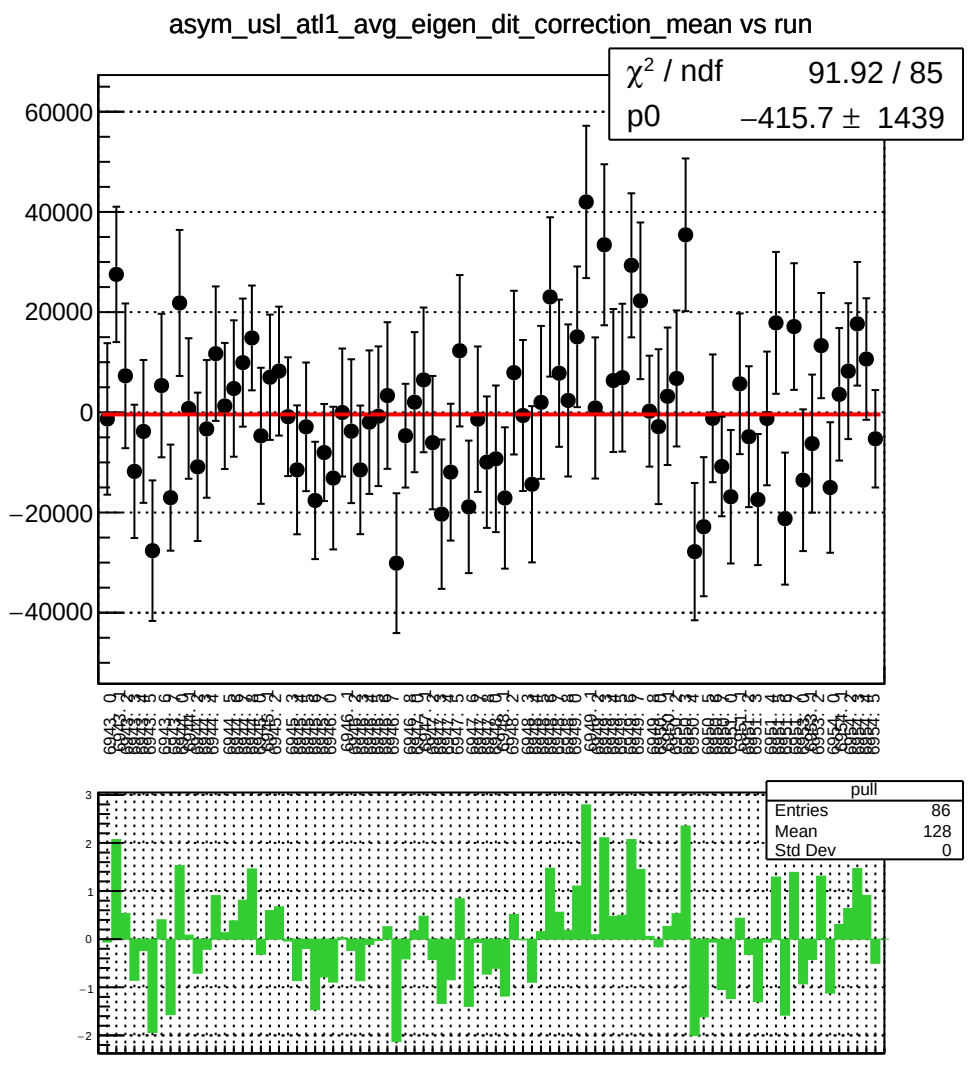

pull1D
Entries 86
Mean 0.02354
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

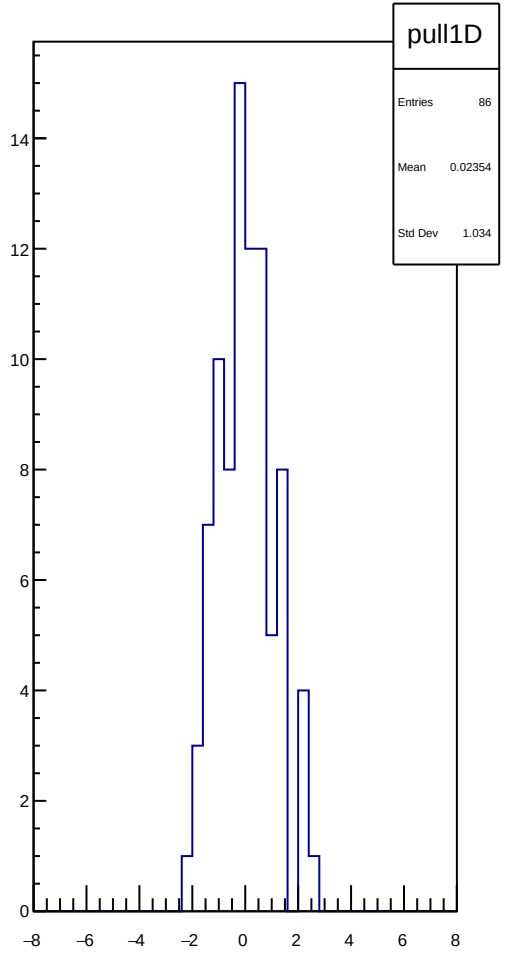

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 7624 / 85
p0 1306 ± 1.017
1600
1500
1400
1300
1200
1100

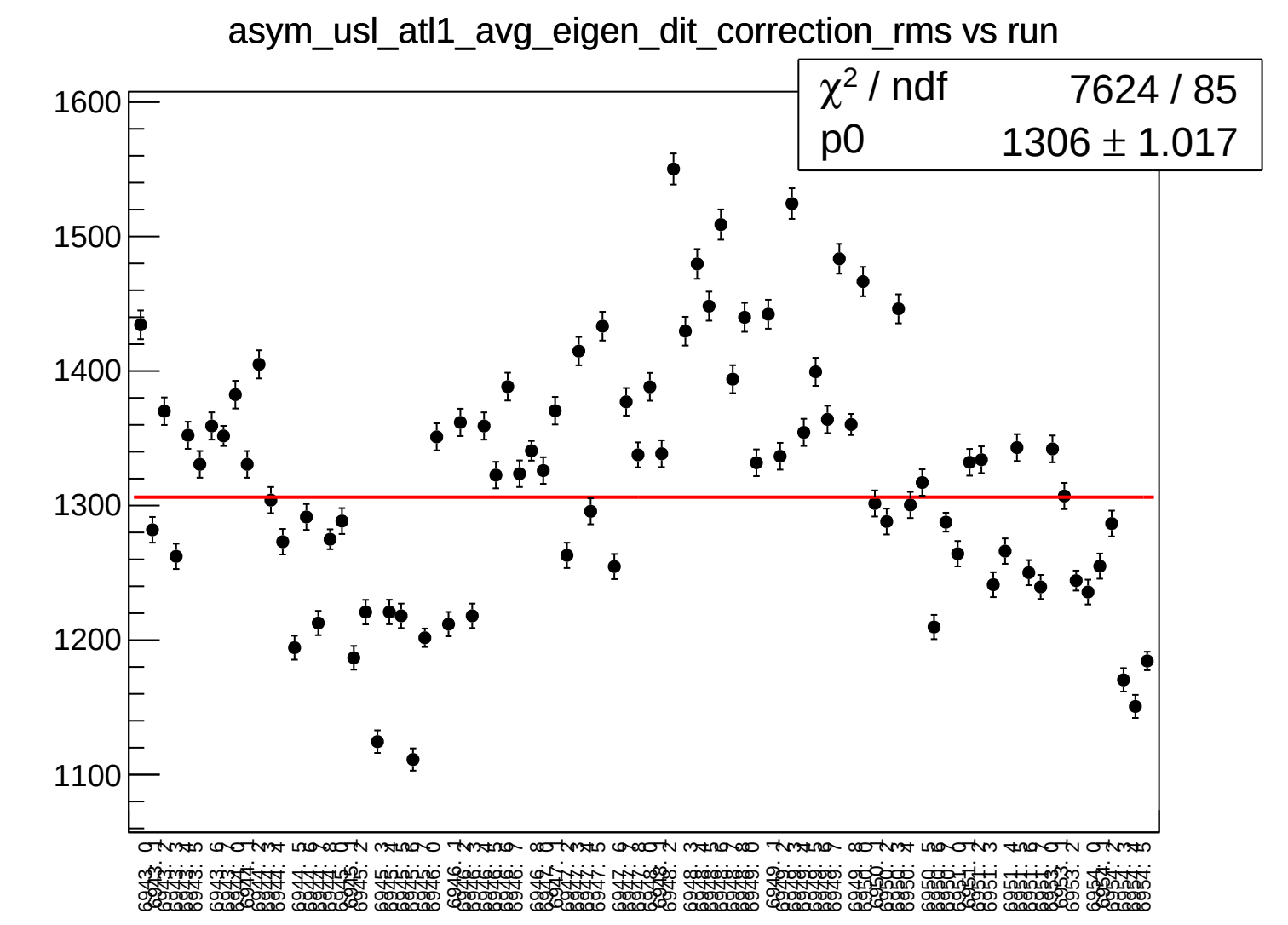

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 98.01 / 85
p0 2447 ± 1621
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 136.4
Std Dev 0
2
1
0
−1
−2

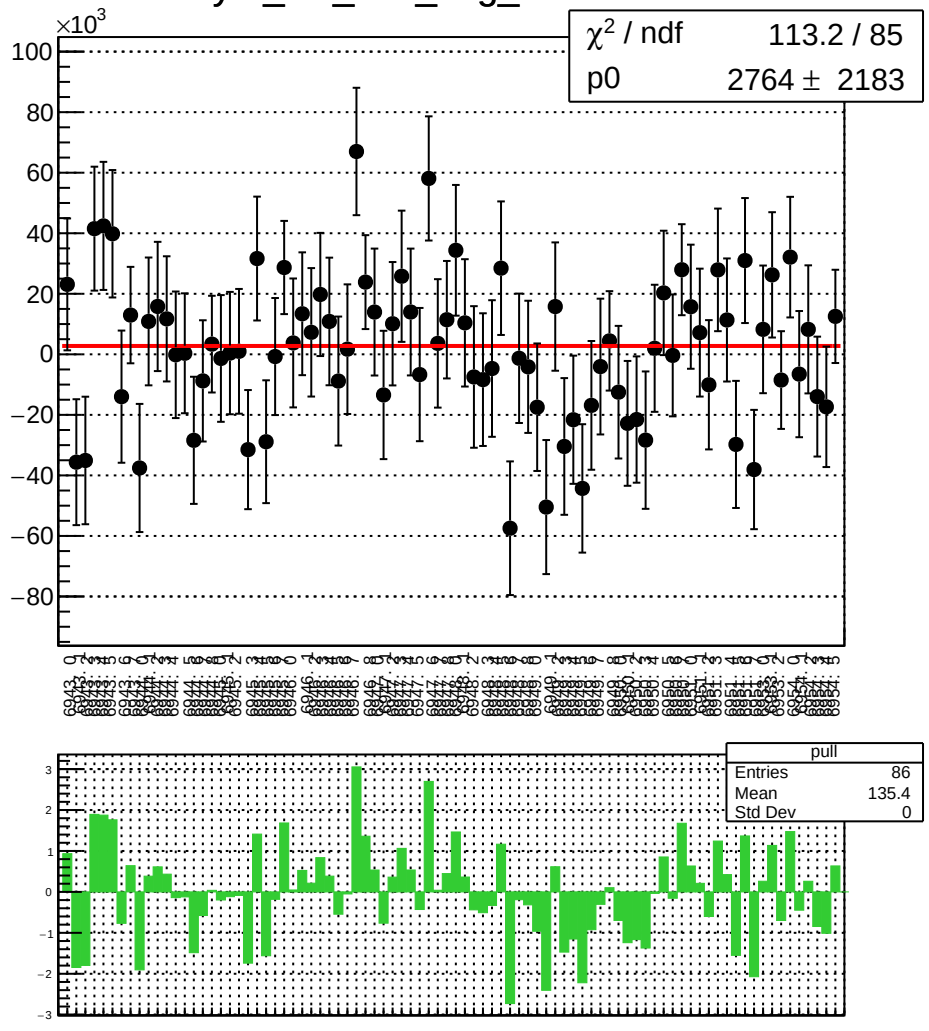

pull1D
Entries 86
Mean −0.02044
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

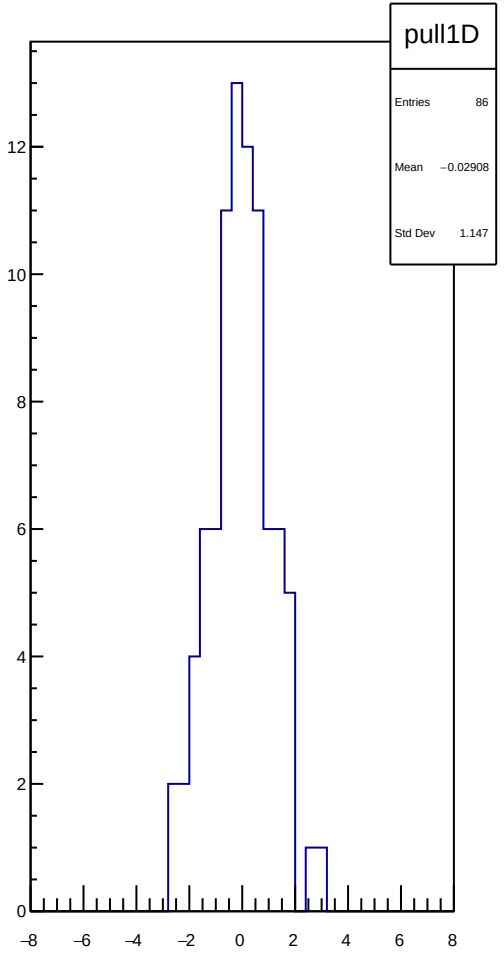

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 97.86 / 85
p0 1475 ± 1.146
1520
1510
1500
1490
1480
1470
1460
1450
1440
1430

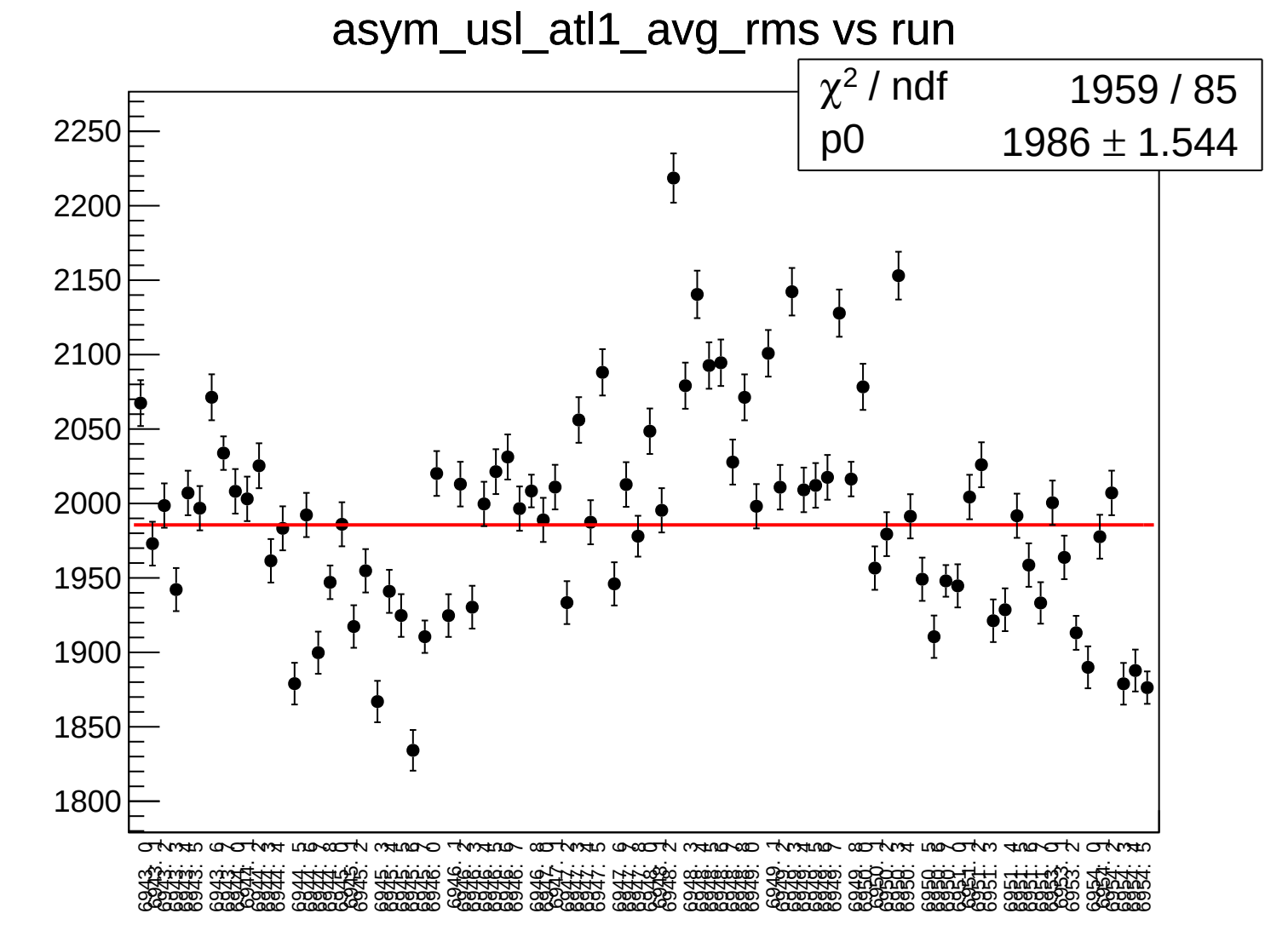

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 91.92 / 85
p0 −415.7 ± 1439
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 128
Std Dev 0
3
2
1
0
−1
−2

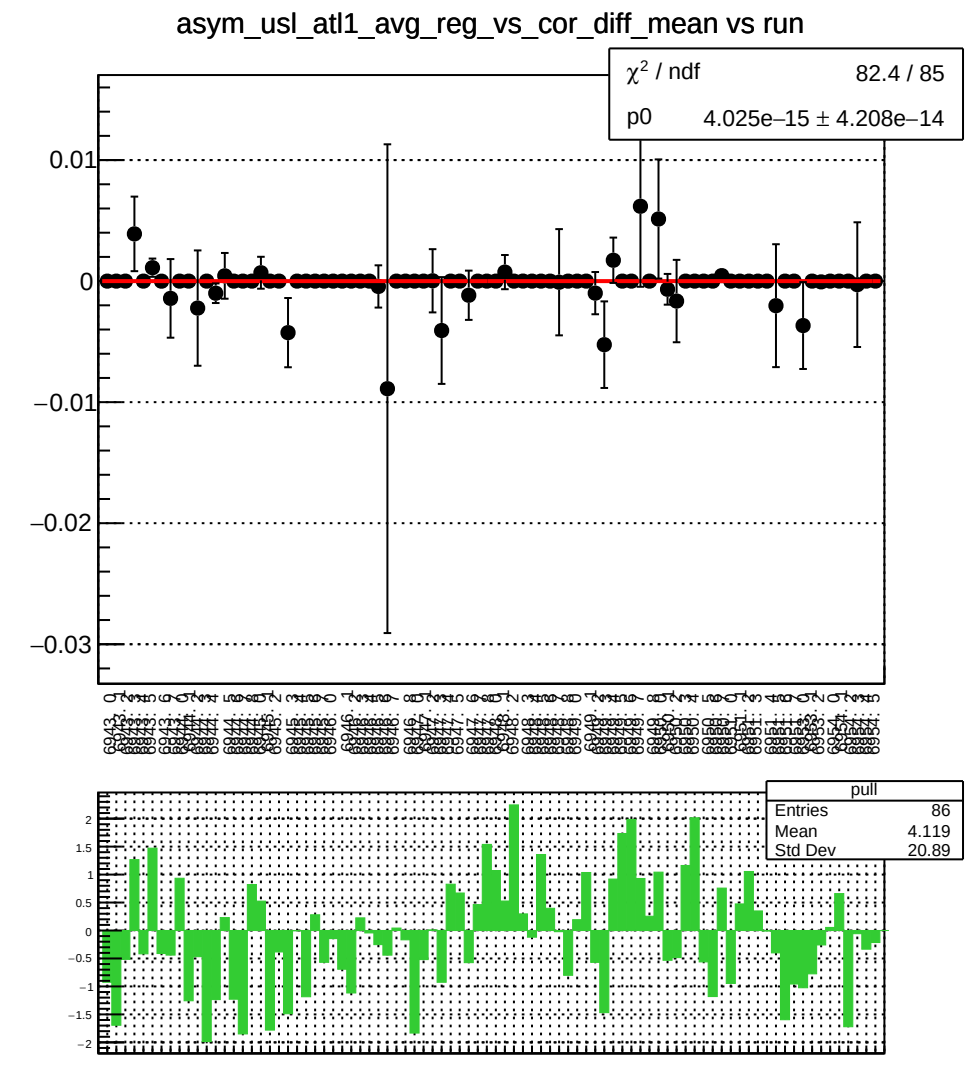

pull1D
Entries 86
Mean 0.02354
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

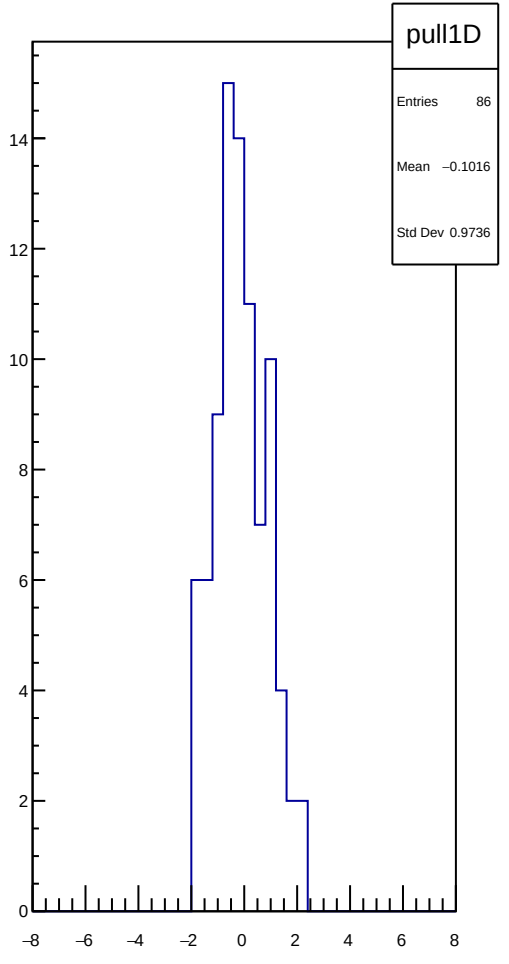

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 7624 / 85
p0 1306 ± 1.017
1600
1500
1400
1300
1200
1100

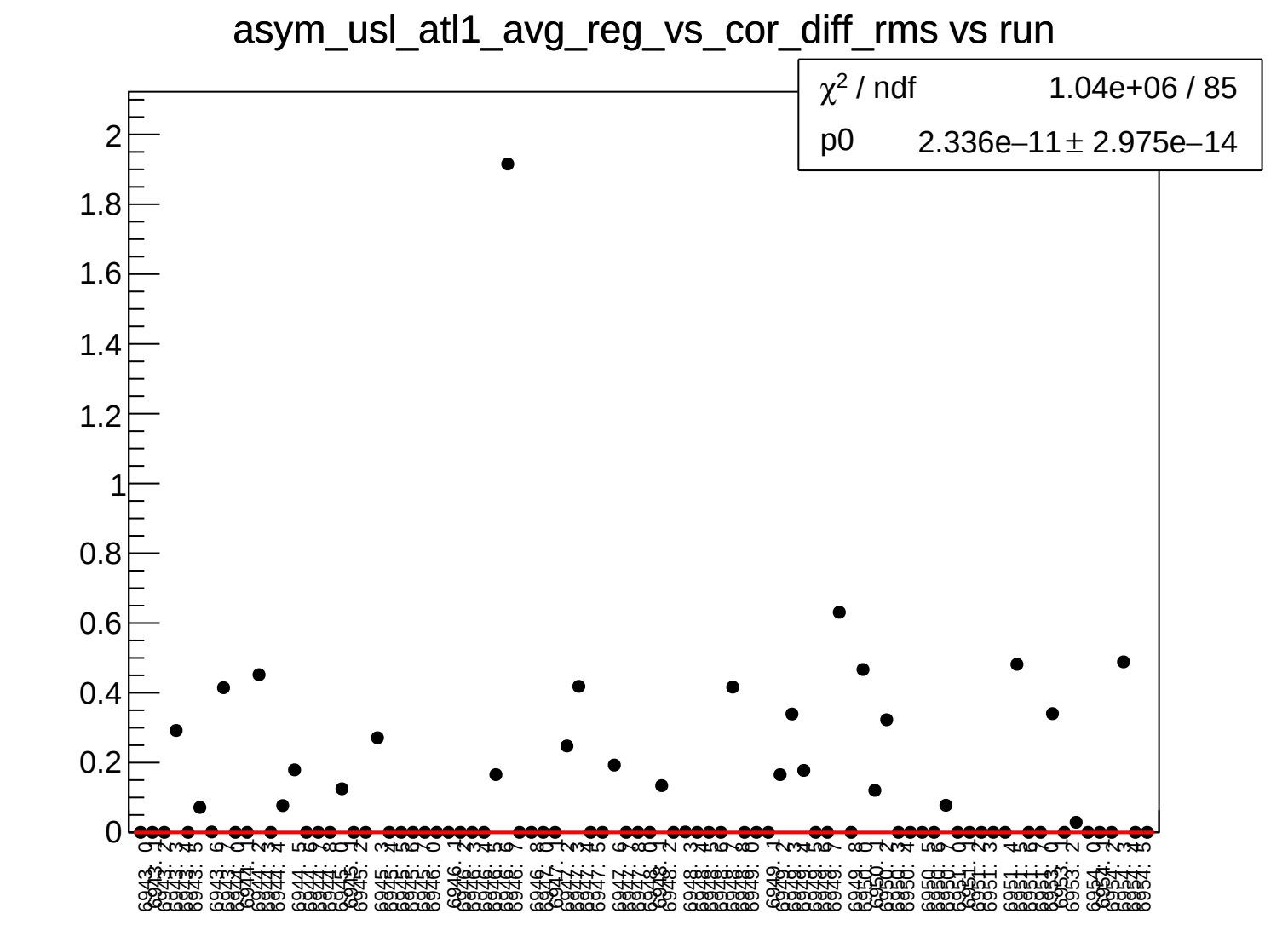

asym_usl_atl1_avg_mean vs run
×10^3
χ^2 / ndf 113.2 / 85
p0 2764 ± 2183
pull
Entries 86
Mean 135.4
Std Dev 0

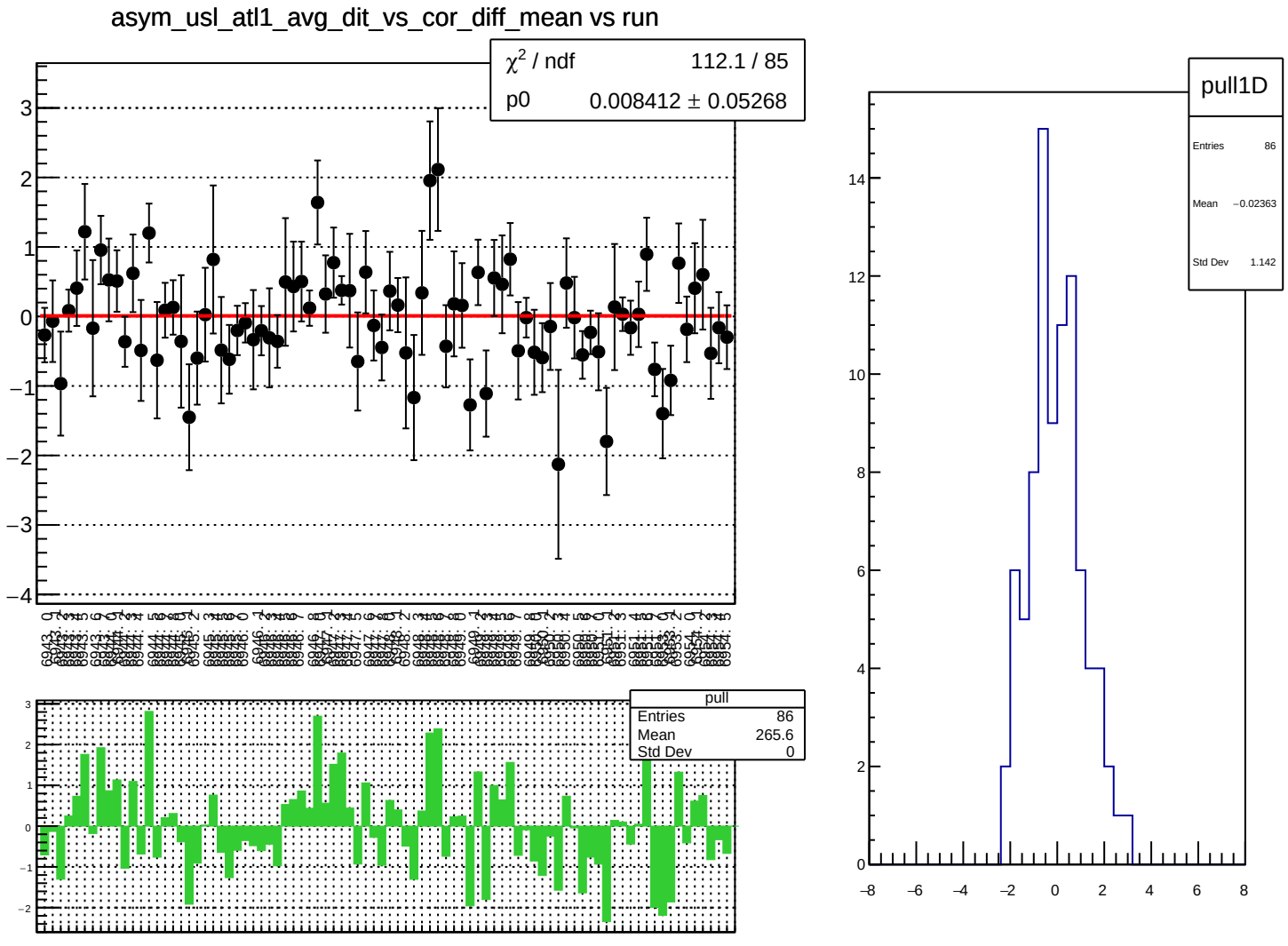

pull1D
Entries 86
Mean −0.02908
Std Dev 1.147

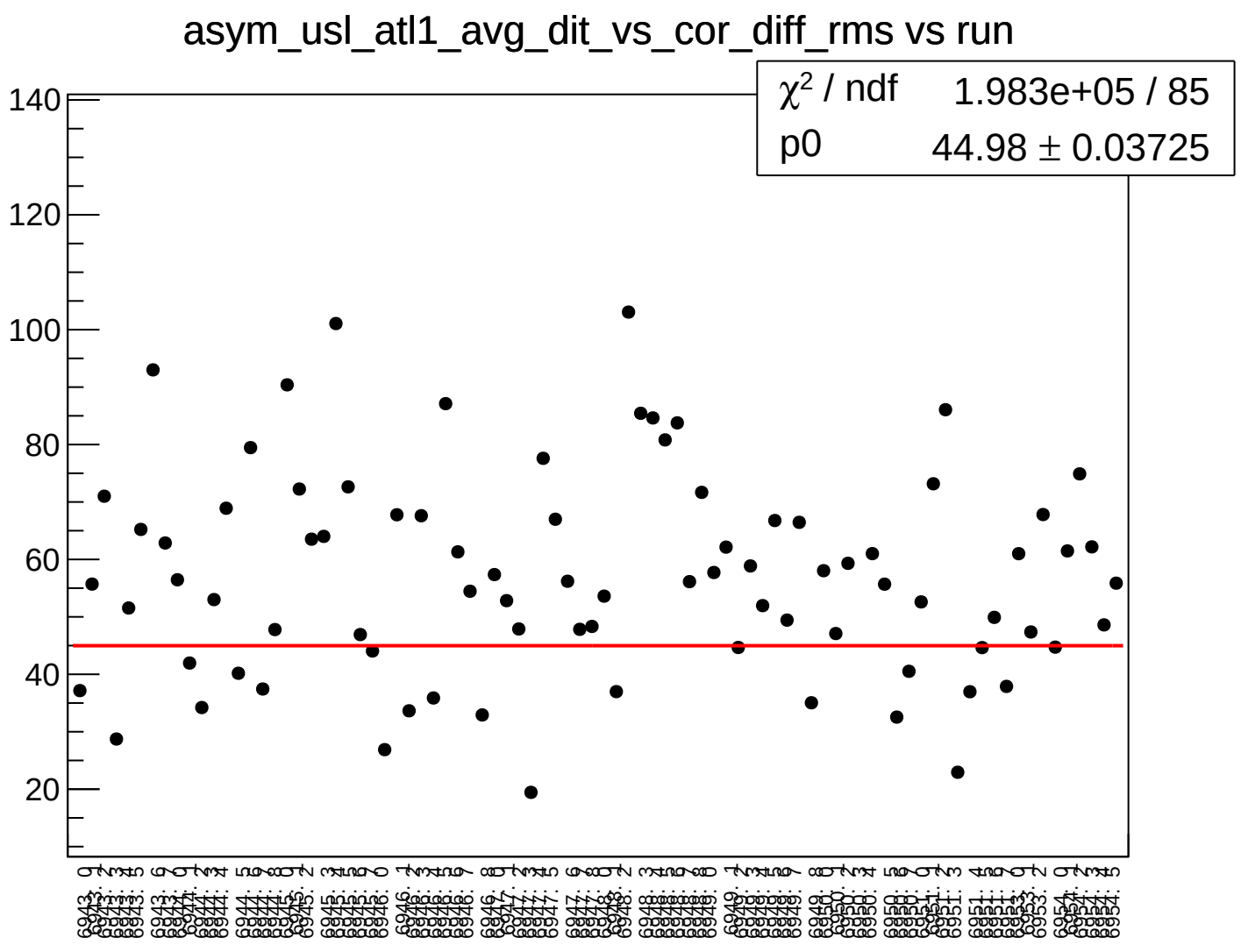

asym_usl_atl1_avg_rms vs run
χ² / ndf 1959 / 85
p0 1986 ± 1.544
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

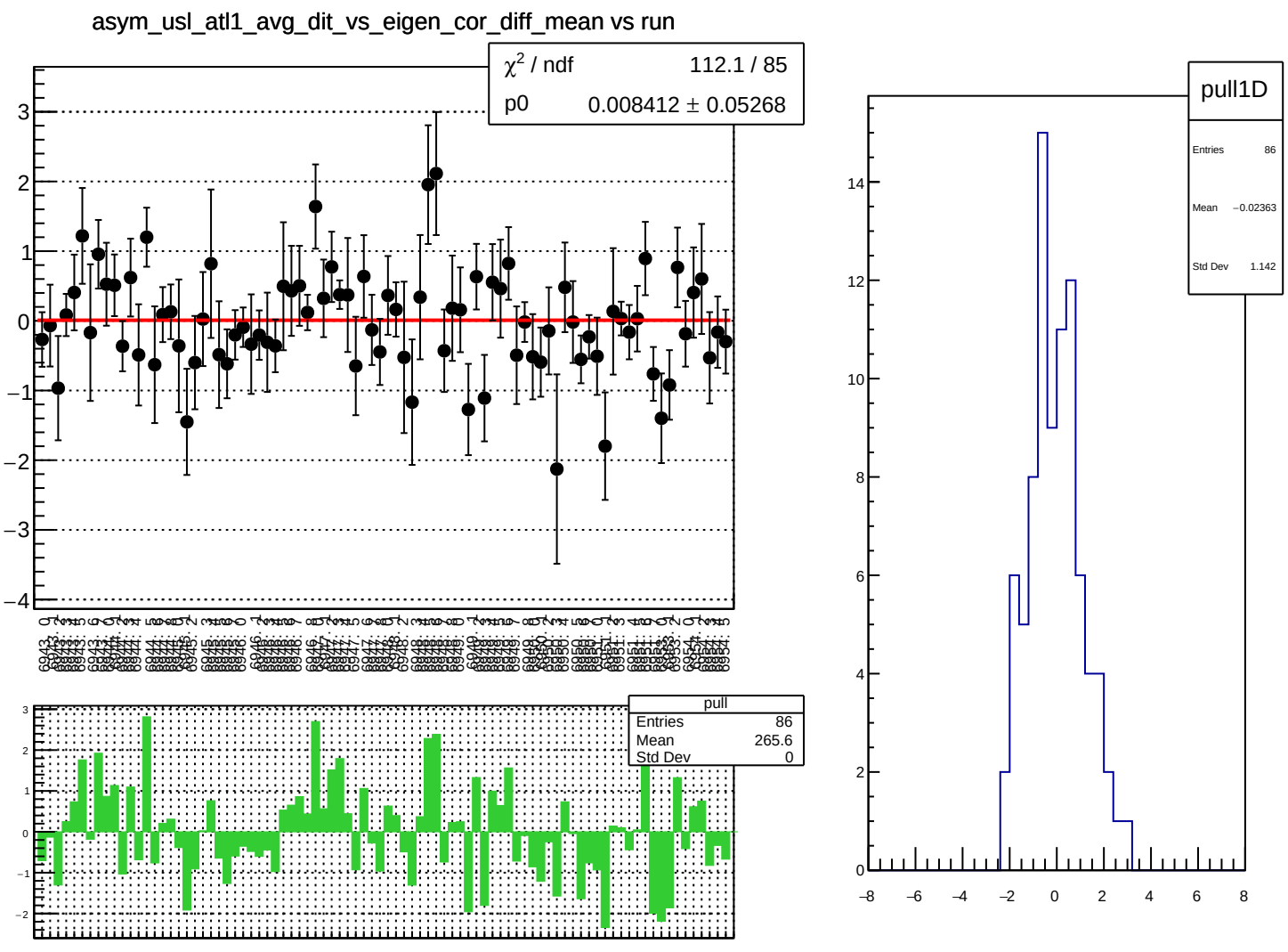

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.4 / 85
p0 4.025e−15 ± 4.208e−14
0.01
0
−0.01
−0.02
−0.03
pull
Entries 86
Mean 4.119
Std Dev 20.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

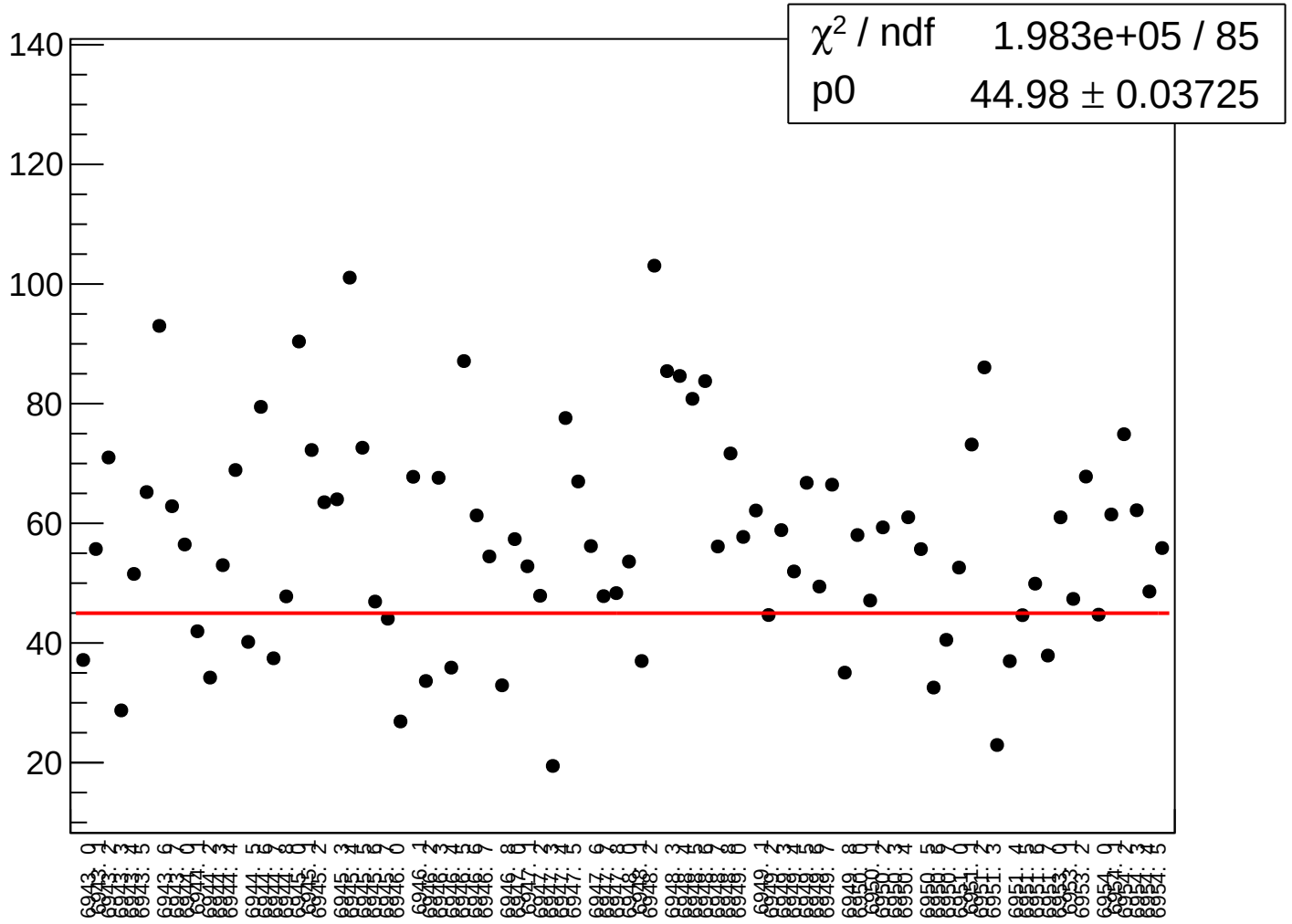

pull1D
Entries 86
Mean −0.1016
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

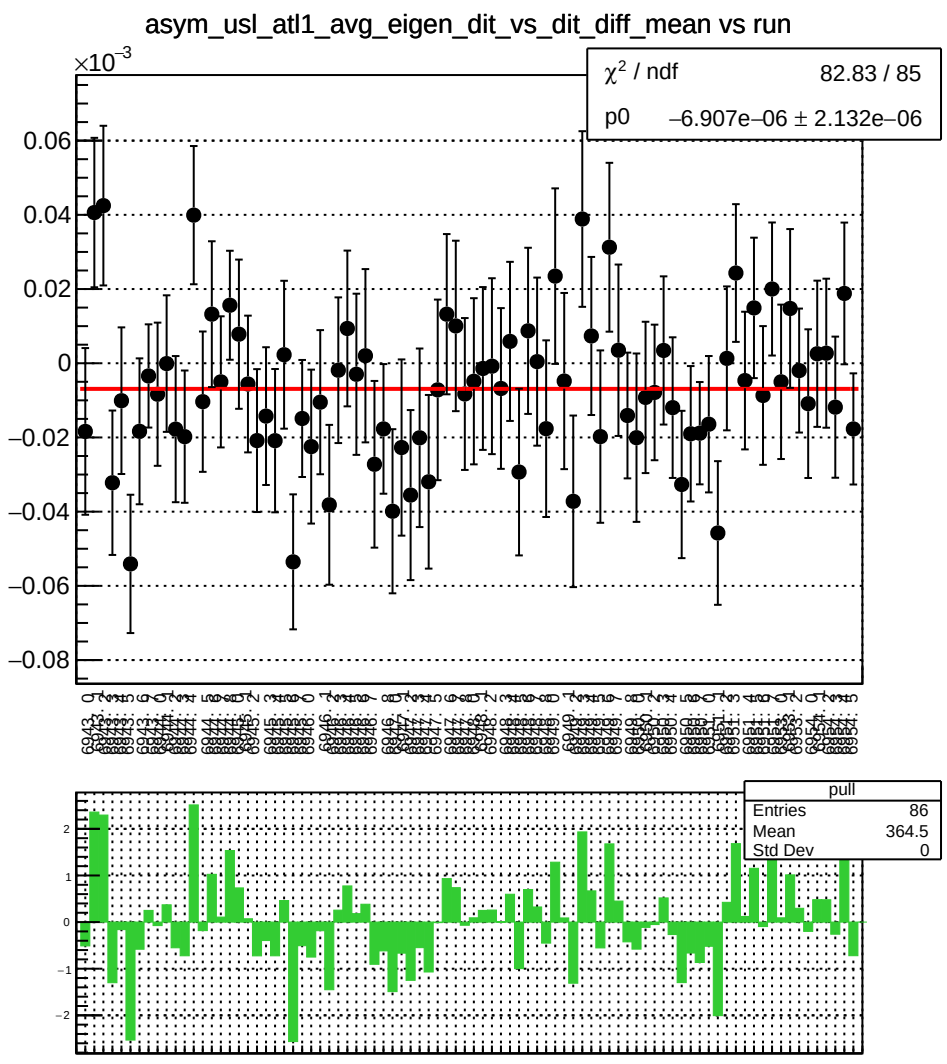

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.04e+06 / 85
p0 2.336e−11 ± 2.975e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

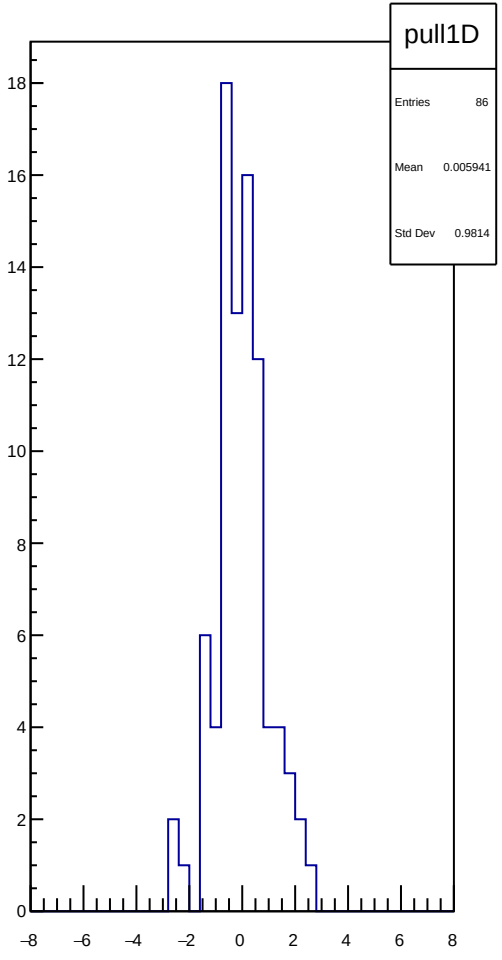

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 112.1 / 85
p0 0.008412 ± 0.05268
pull
Entries 86
Mean 265.6
Std Dev 0
pull1D
Entries 86
Mean −0.02363
Std Dev 1.142

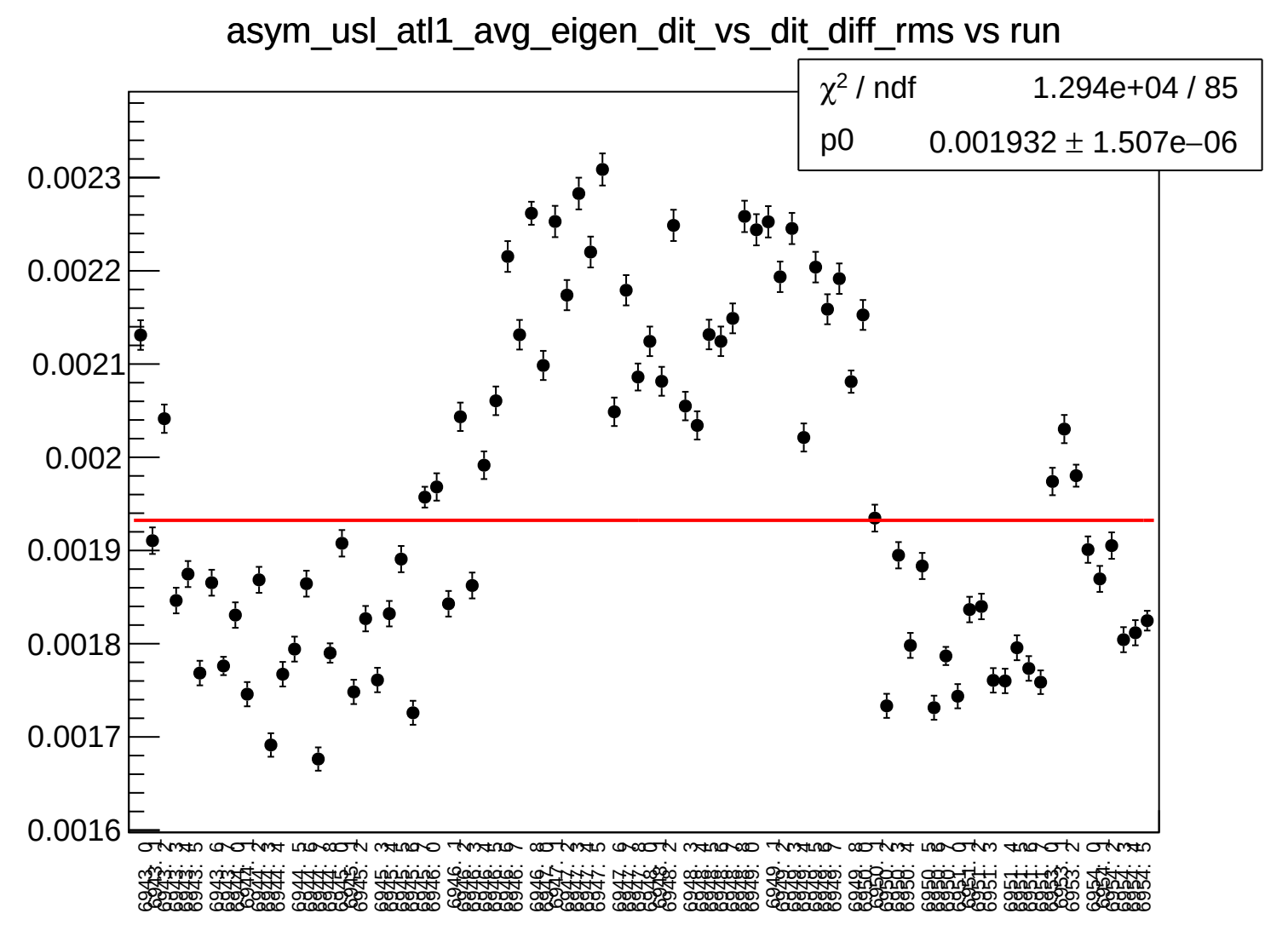

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 85
p0 44.98 ± 0.03725
140
120
100
80
60
40
20

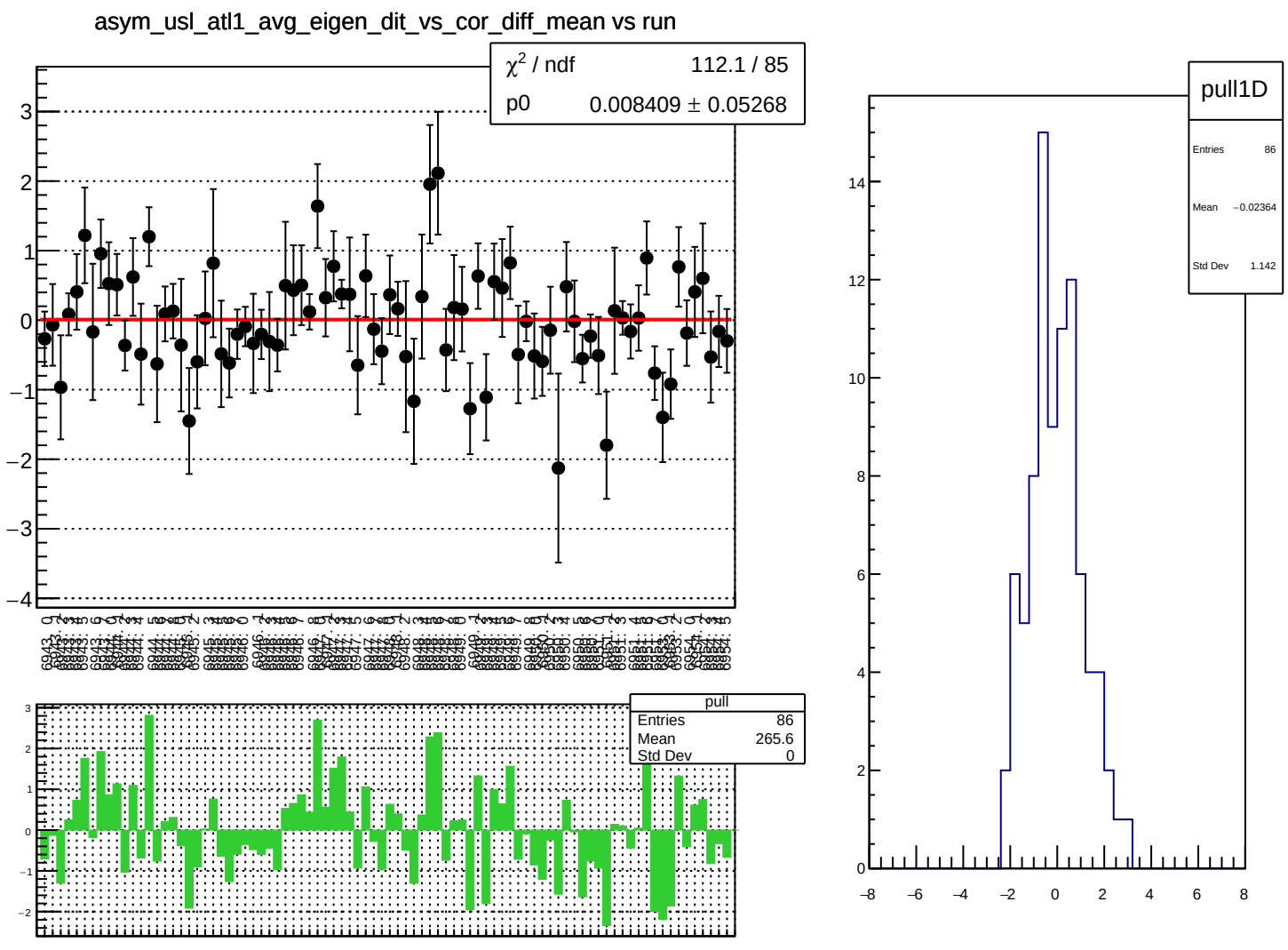

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 112.1 / 85
p0 0.008412 ± 0.05268
pull
Entries 86
Mean 265.6
Std Dev 0
pull1D
Entries 86
Mean −0.02363
Std Dev 1.142

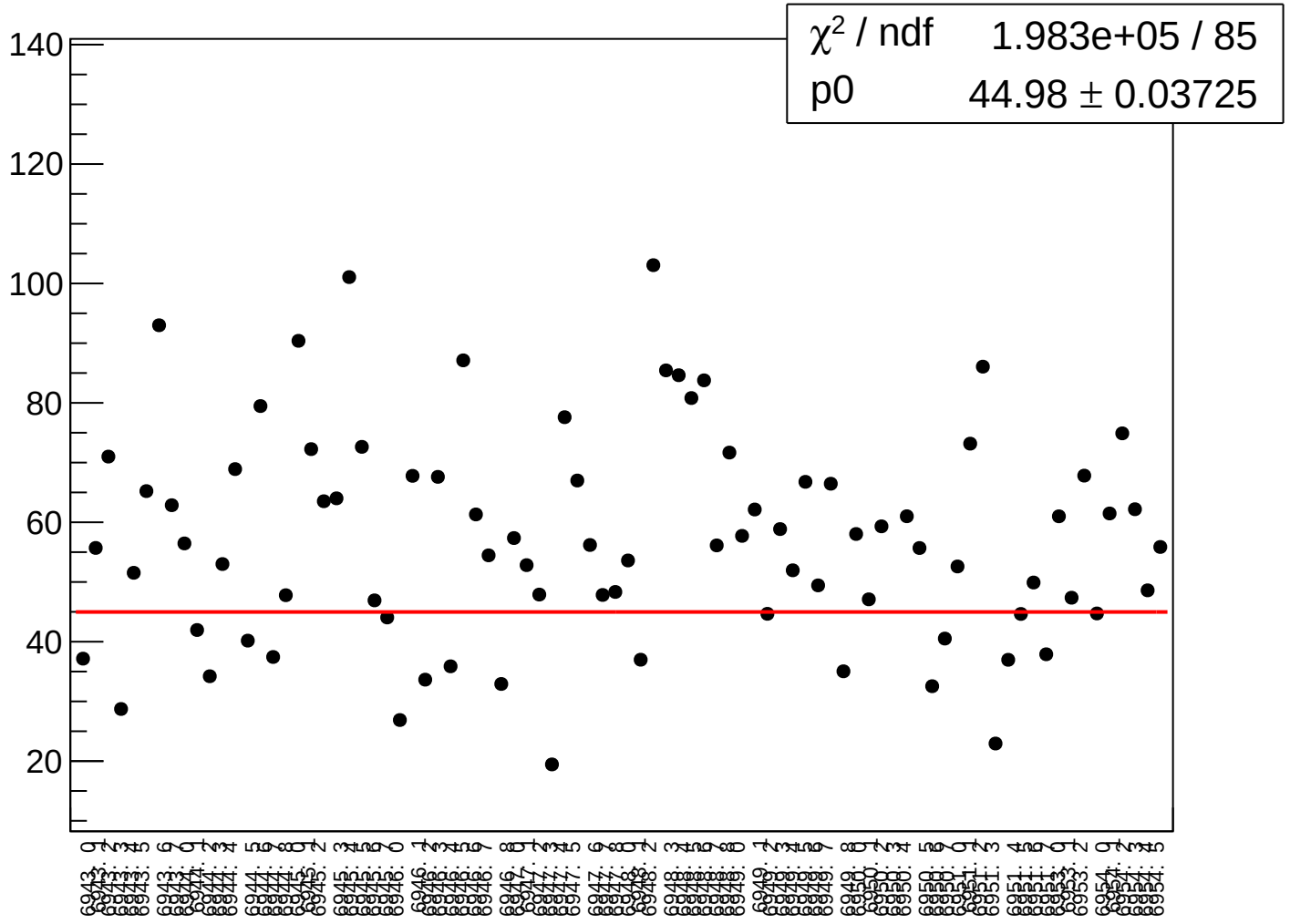

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 85
p0 44.98 ± 0.03725
140
120
100
80
60
40
20

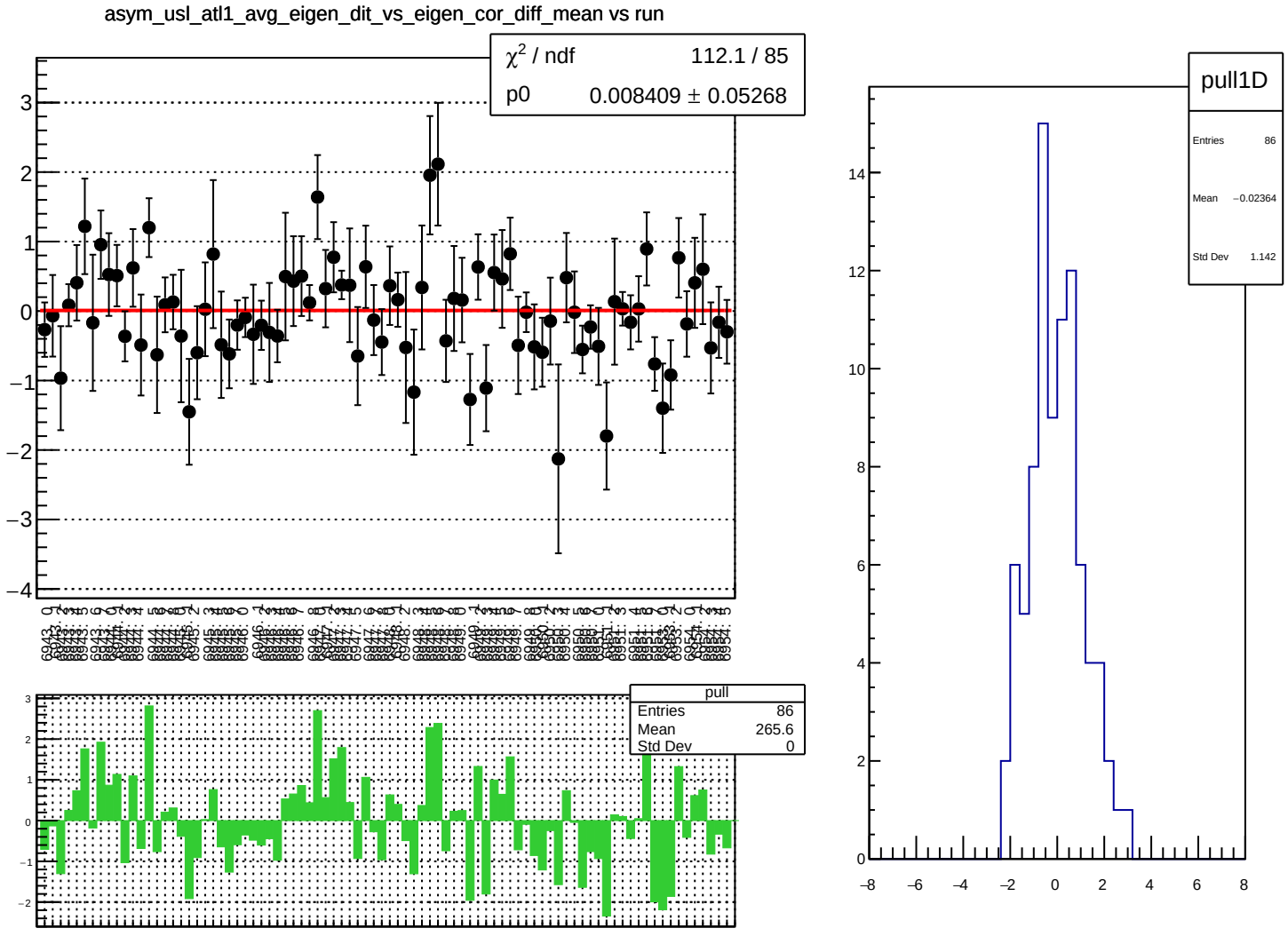

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.83 / 85
p0 −6.907e−06 ± 2.132e−06
pull
Entries 86
Mean 364.5
Std Dev 0

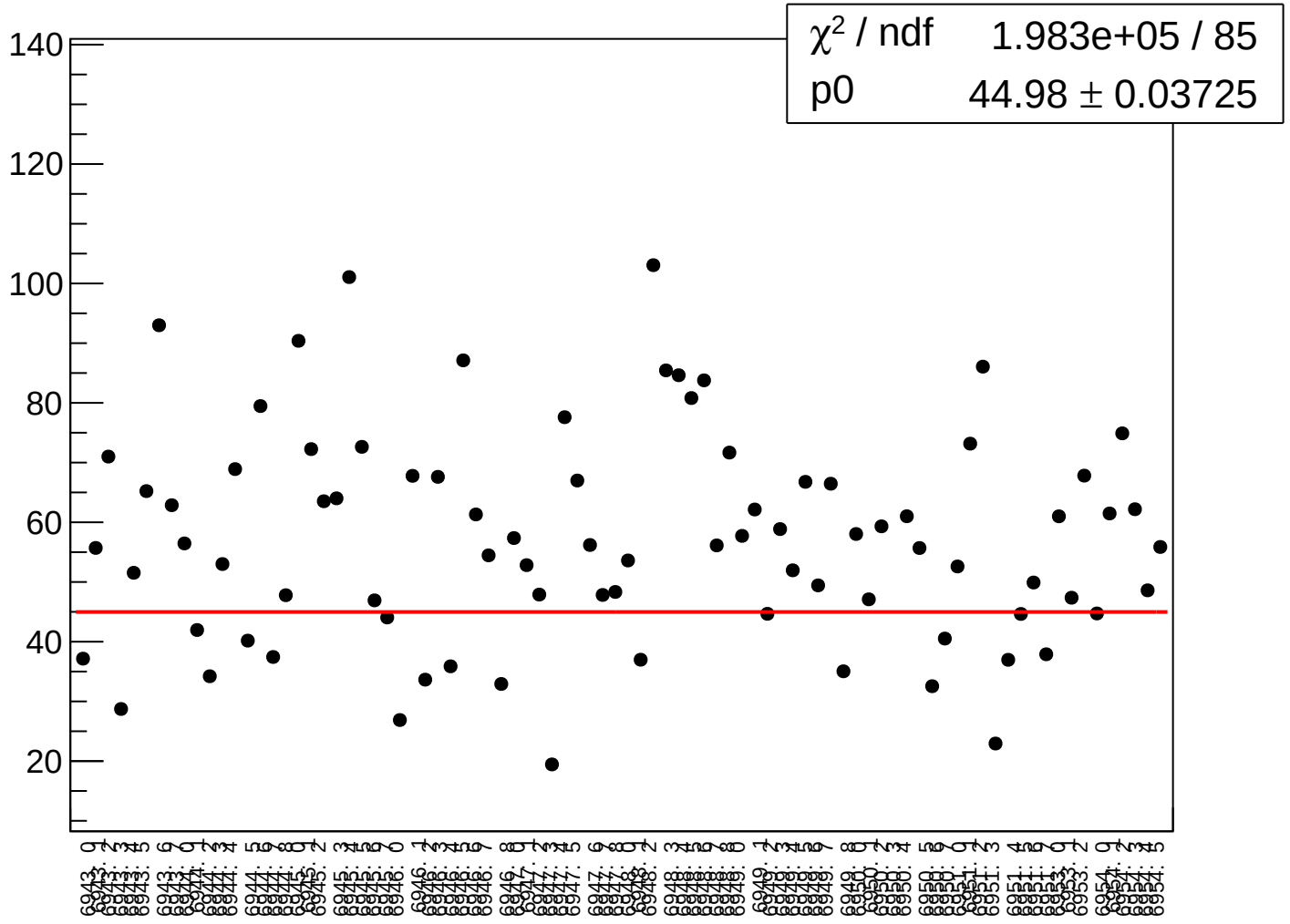

pull1D
Entries 86
Mean 0.005941
Std Dev 0.9814

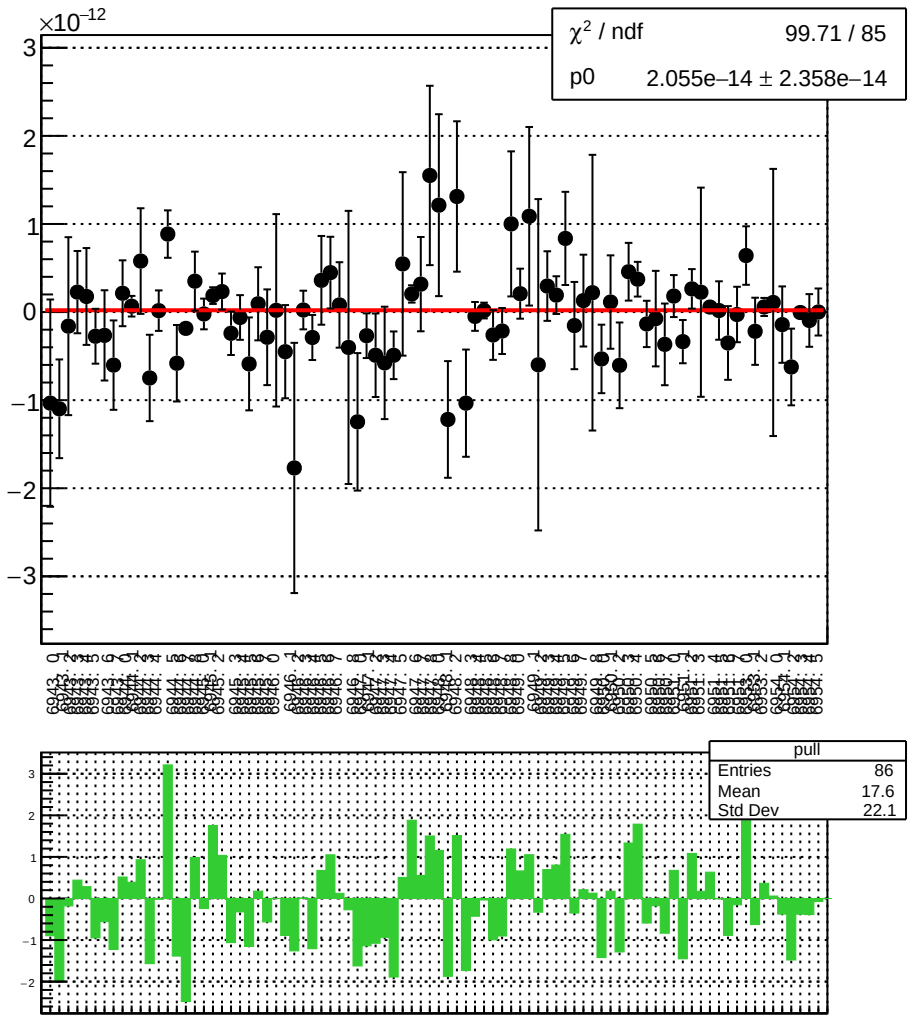

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.294e+04 / 85
p0 0.001932 ± 1.507e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

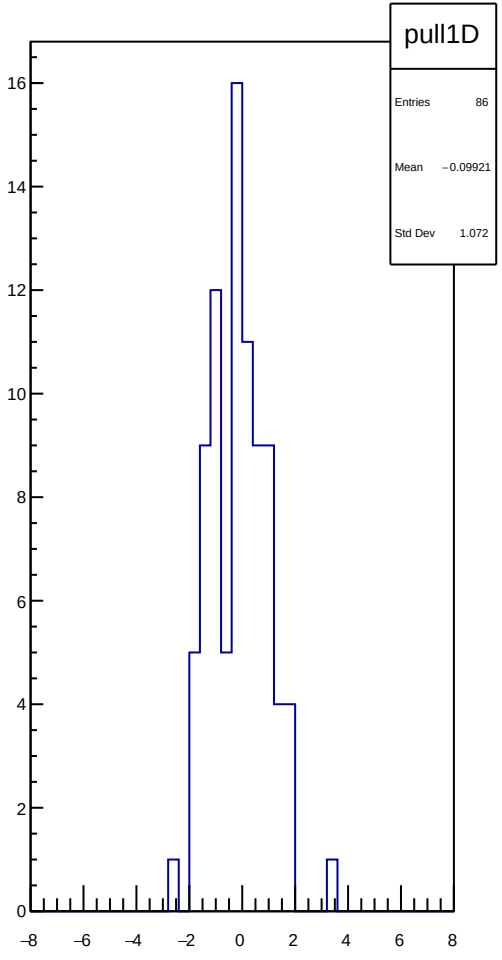

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 112.1 / 85
p0 0.008409 ± 0.05268
pull
Entries 86
Mean 265.6
Std Dev 0
pull1D
Entries 86
Mean −0.02364
Std Dev 1.142

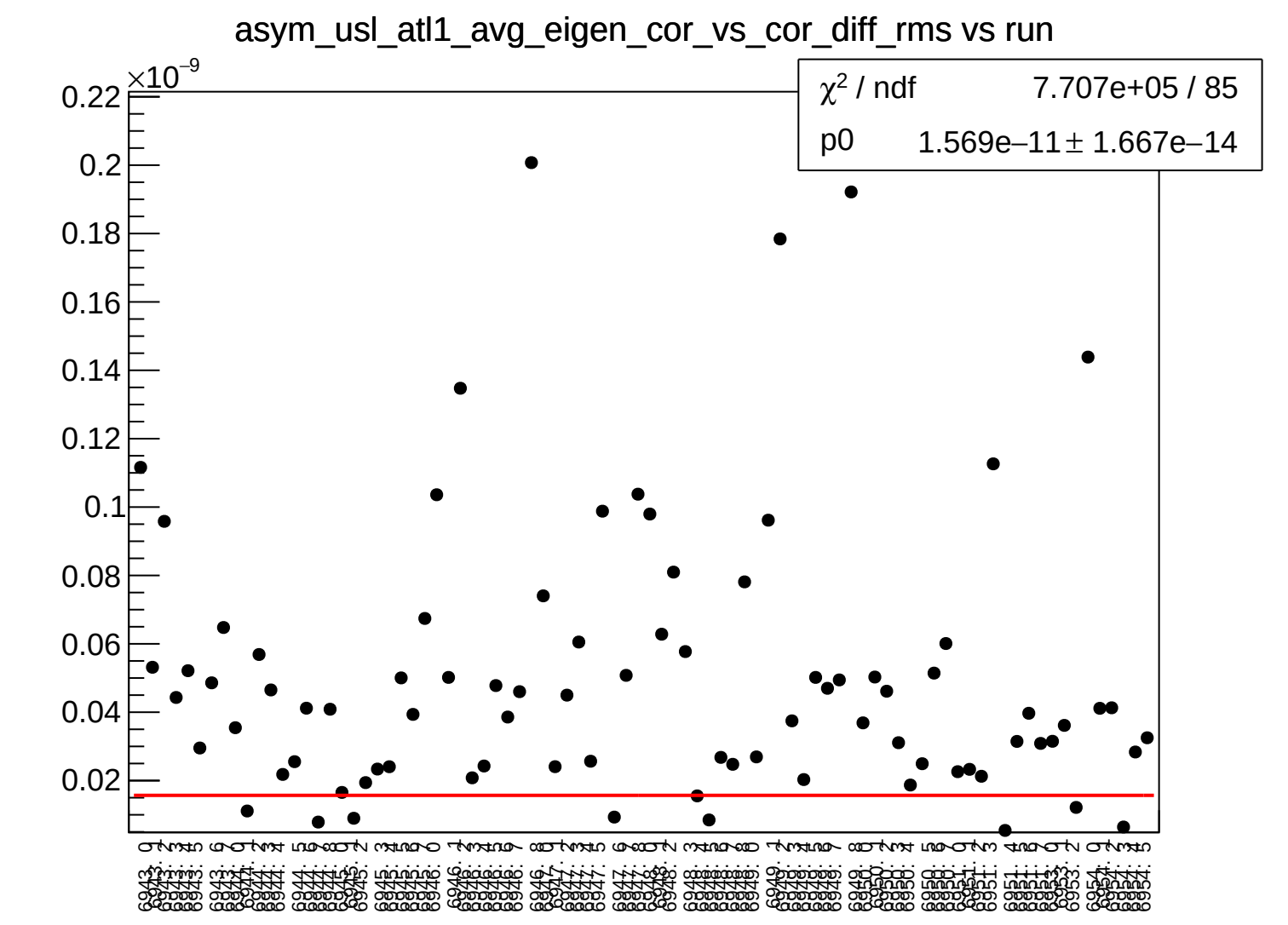

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 85
p0 44.98 ± 0.03725
140
120
100
80
60
40
20

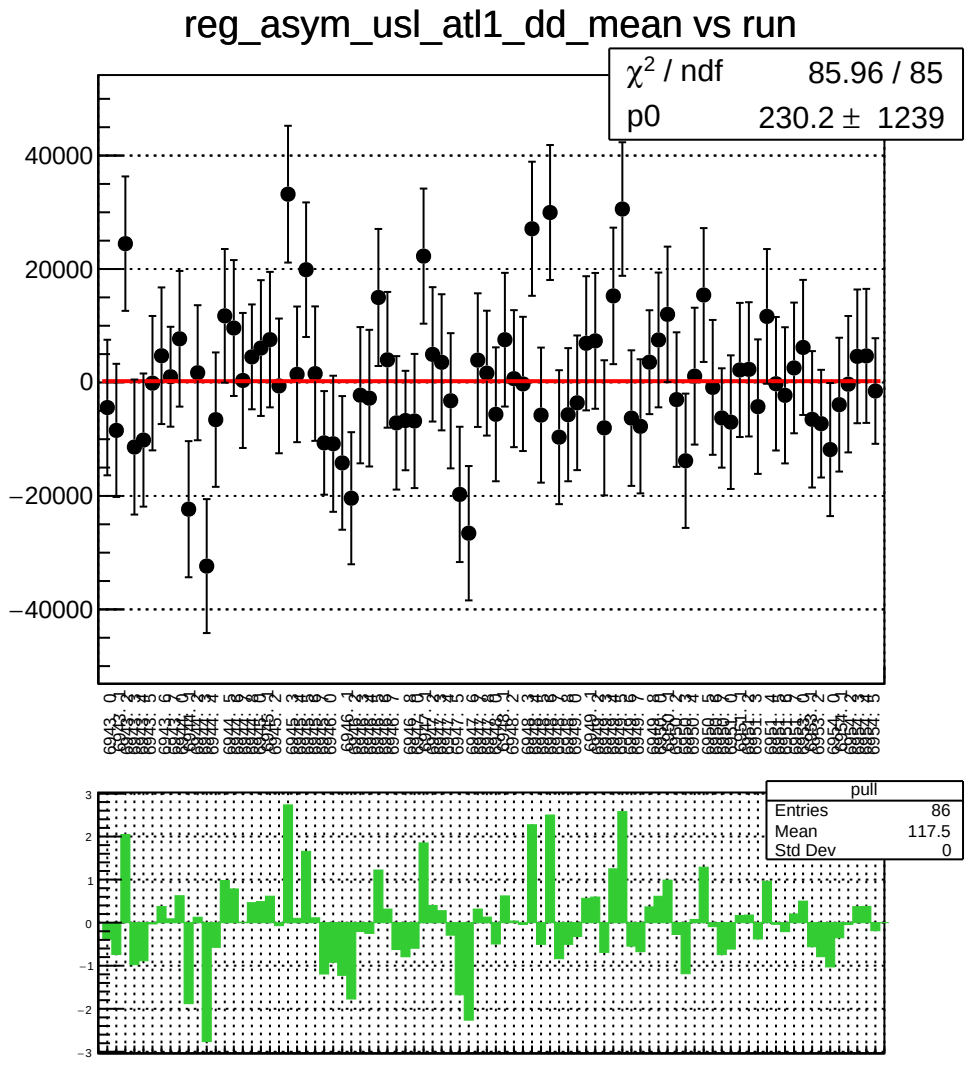

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 112.1 / 85
p0 0.008409 ± 0.05268
pull
Entries 86
Mean 265.6
Std Dev 0
pull1D
Entries 86
Mean −0.02364
Std Dev 1.142

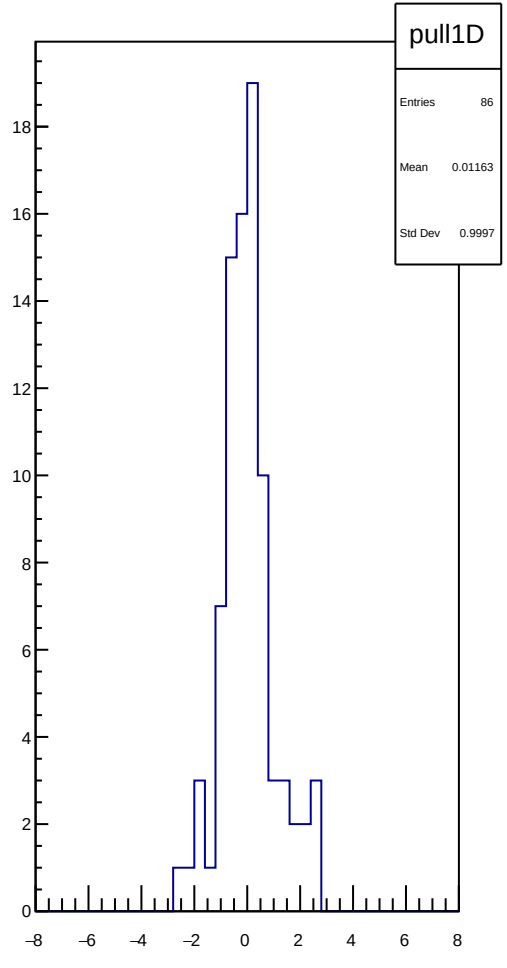

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 85
p0 44.98 ± 0.03725
140
120
100
80
60
40
20

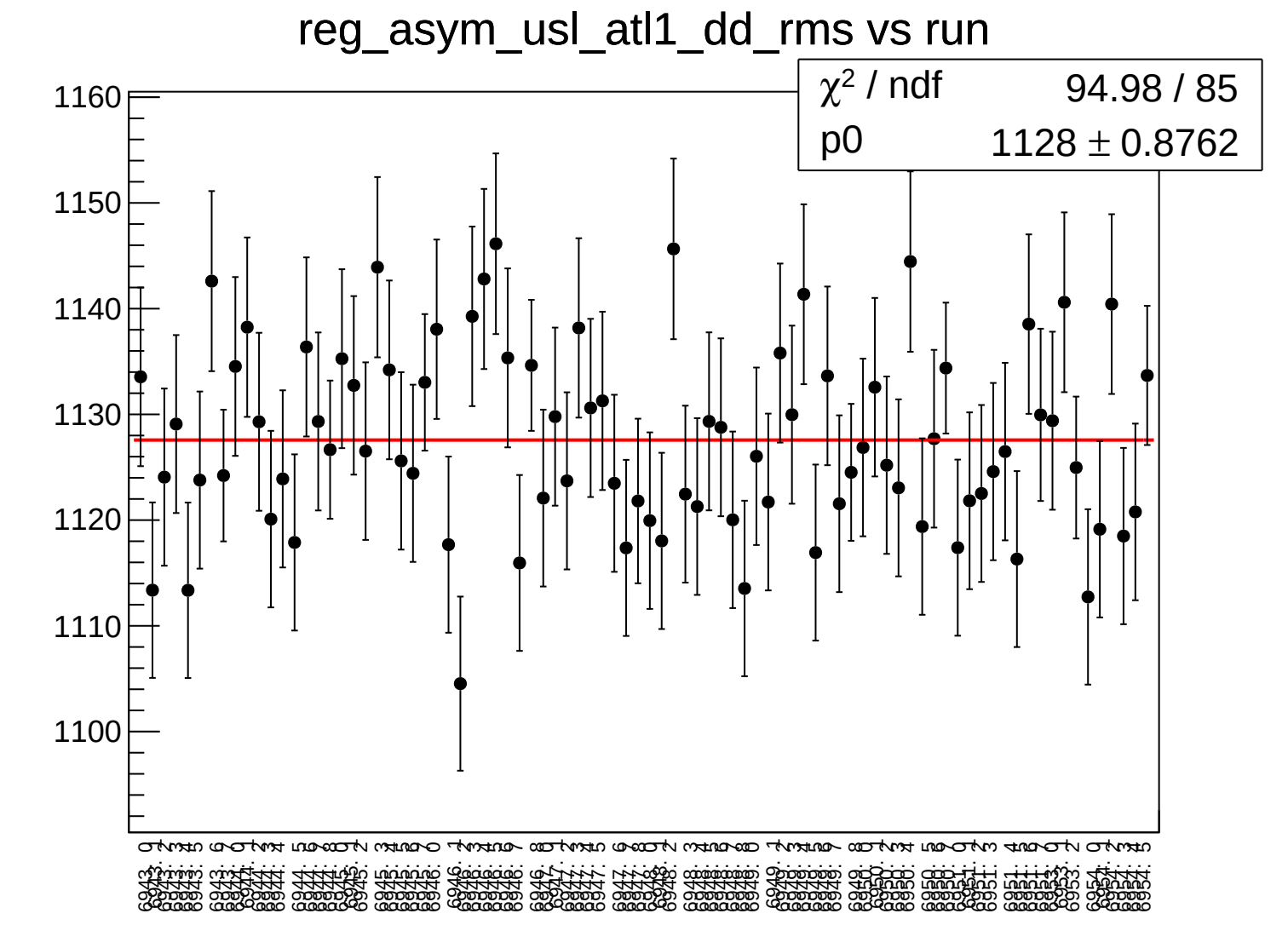

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 99.71 / 85
p0 2.055e−14 ± 2.358e−14
pull
Entries 86
Mean 17.6
Std Dev 22.1

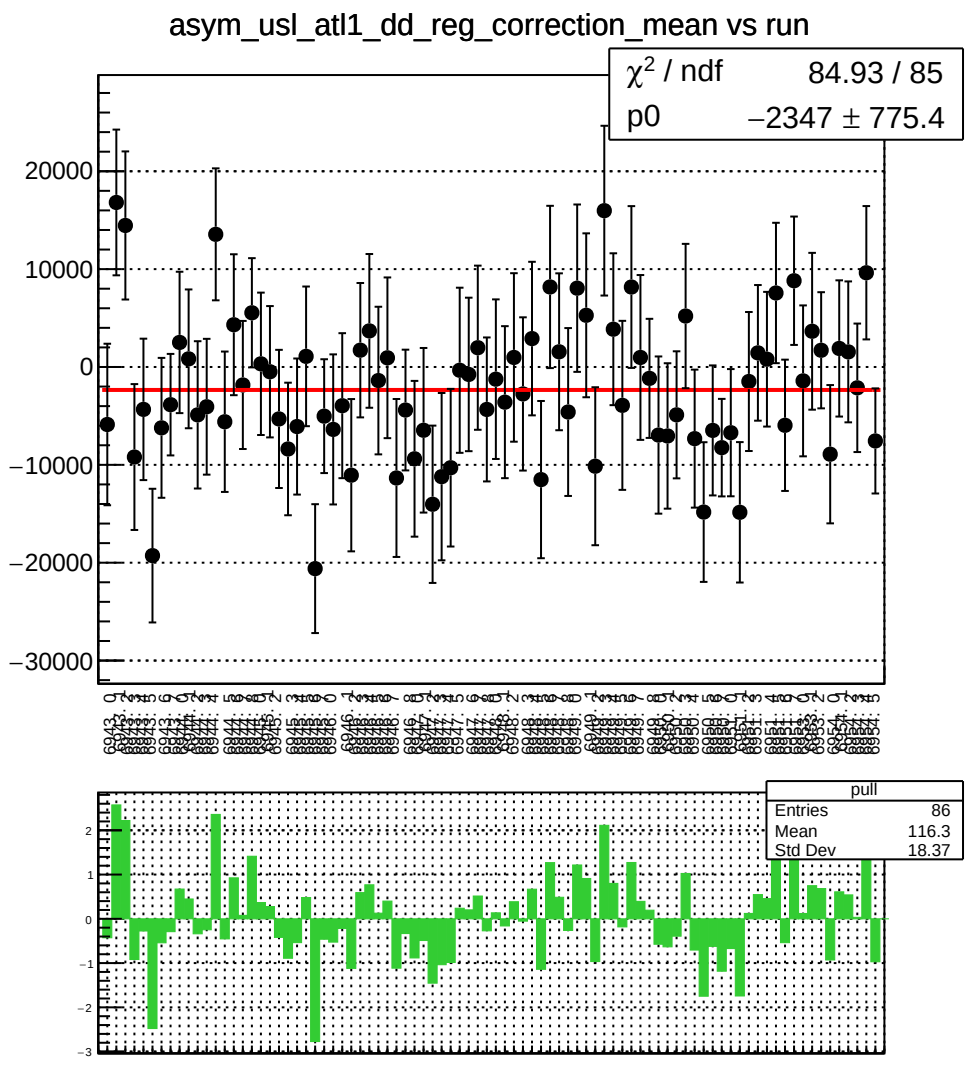

pull1D
Entries 86
Mean −0.09921
Std Dev 1.072

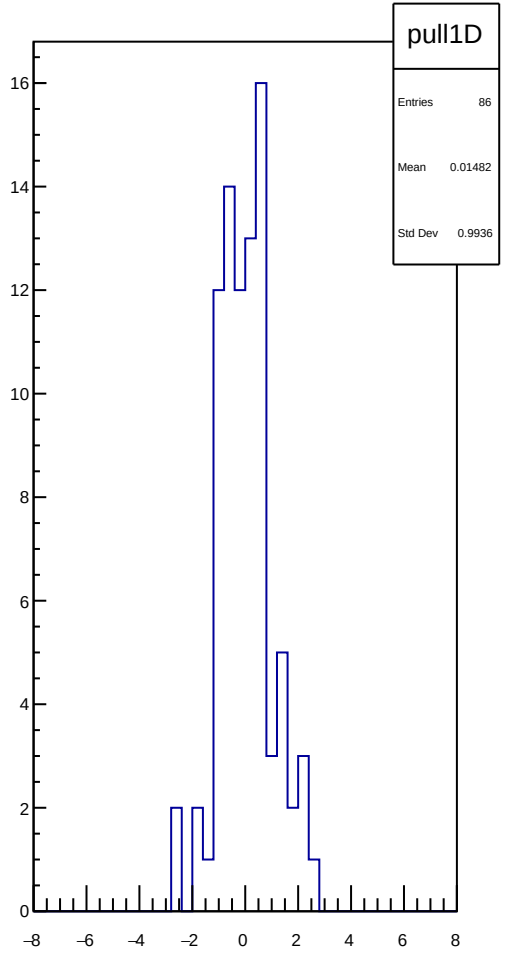

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.707e+05 / 85
p0 1.569e−11 ± 1.667e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

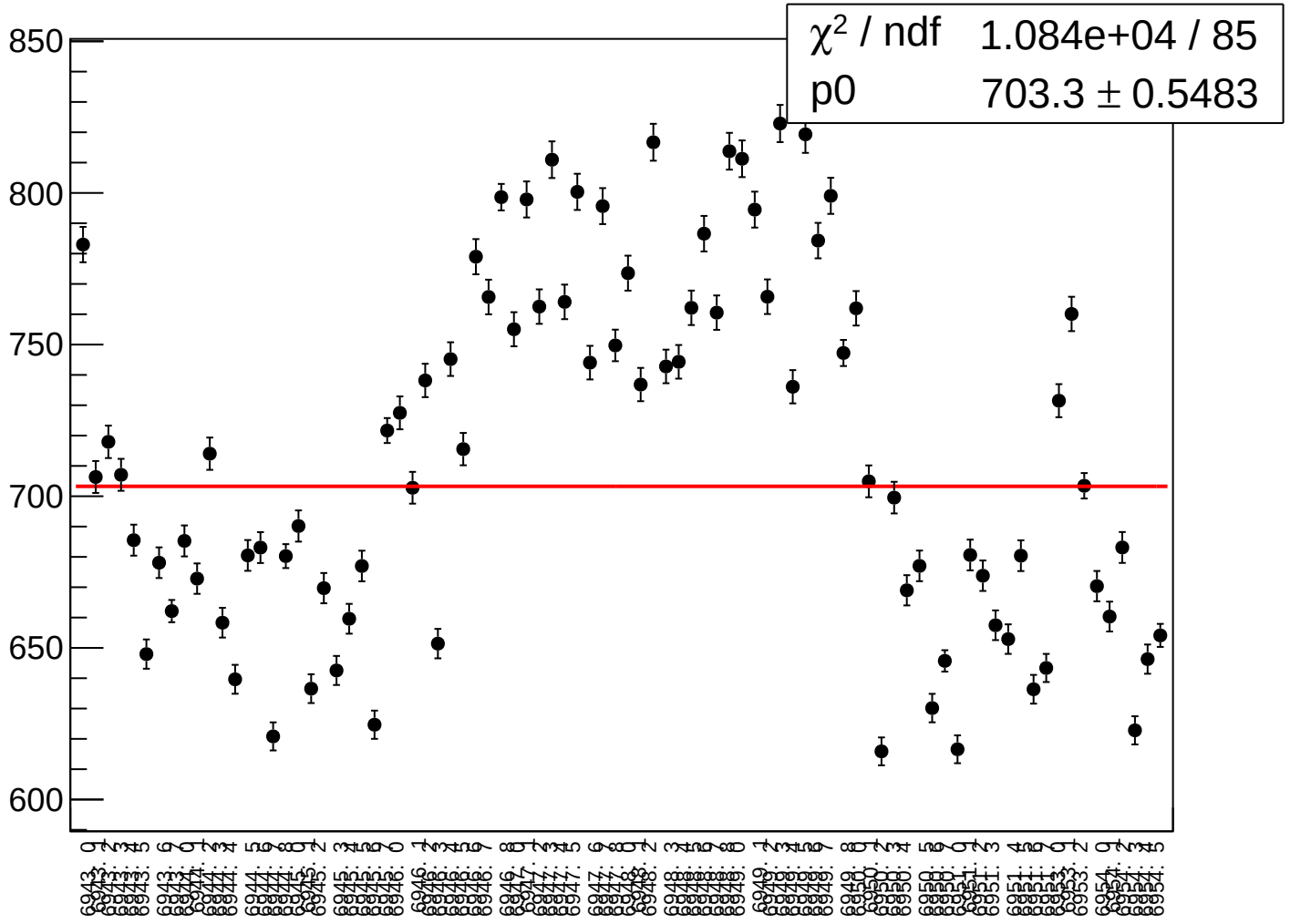

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 85.96 / 85
p0 230.2 ± 1239
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 117.5
Std Dev 0
3
2
1
0
−1
−2
−3

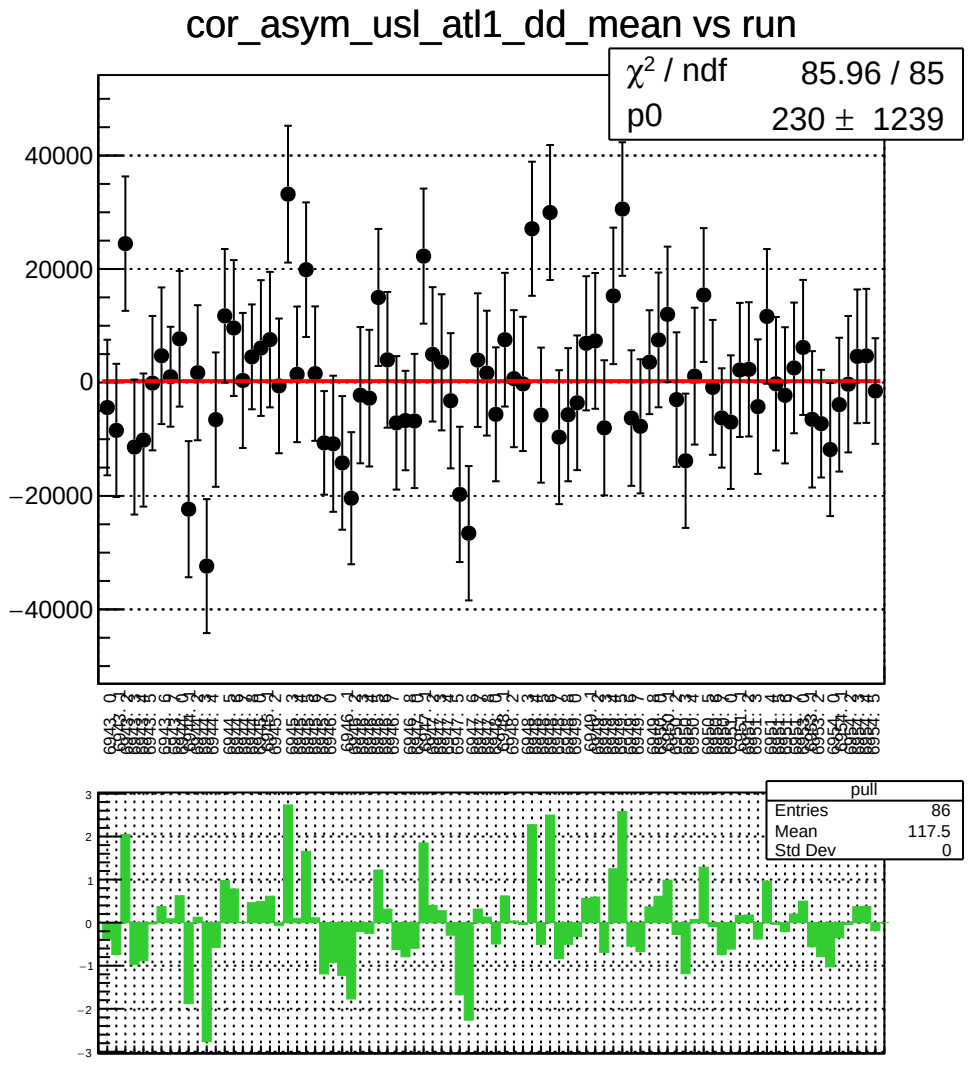

pull1D
Entries 86
Mean 0.01163
Std Dev 0.9997
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

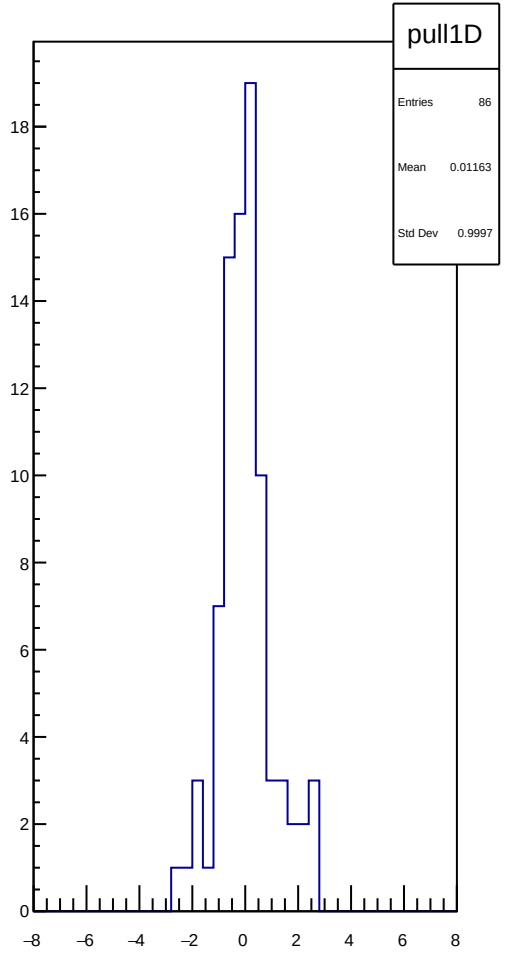

reg_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 94.98 / 85
p0 1128 ± 0.8762
1160
1150
1140
1130
1120
1110
1100


asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −2347 ± 775.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 116.3
Std Dev 18.37
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean 0.01482
Std Dev 0.9936
16
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 1.084e+04 / 85
p0 703.3 ± 0.5483
850
800
750
700
650
600


cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 85.96 / 85
p0 230 ± 1239
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 117.5
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean 0.01163
Std Dev 0.9997
18
16
14
12
10
8
6
4
2
0
−8
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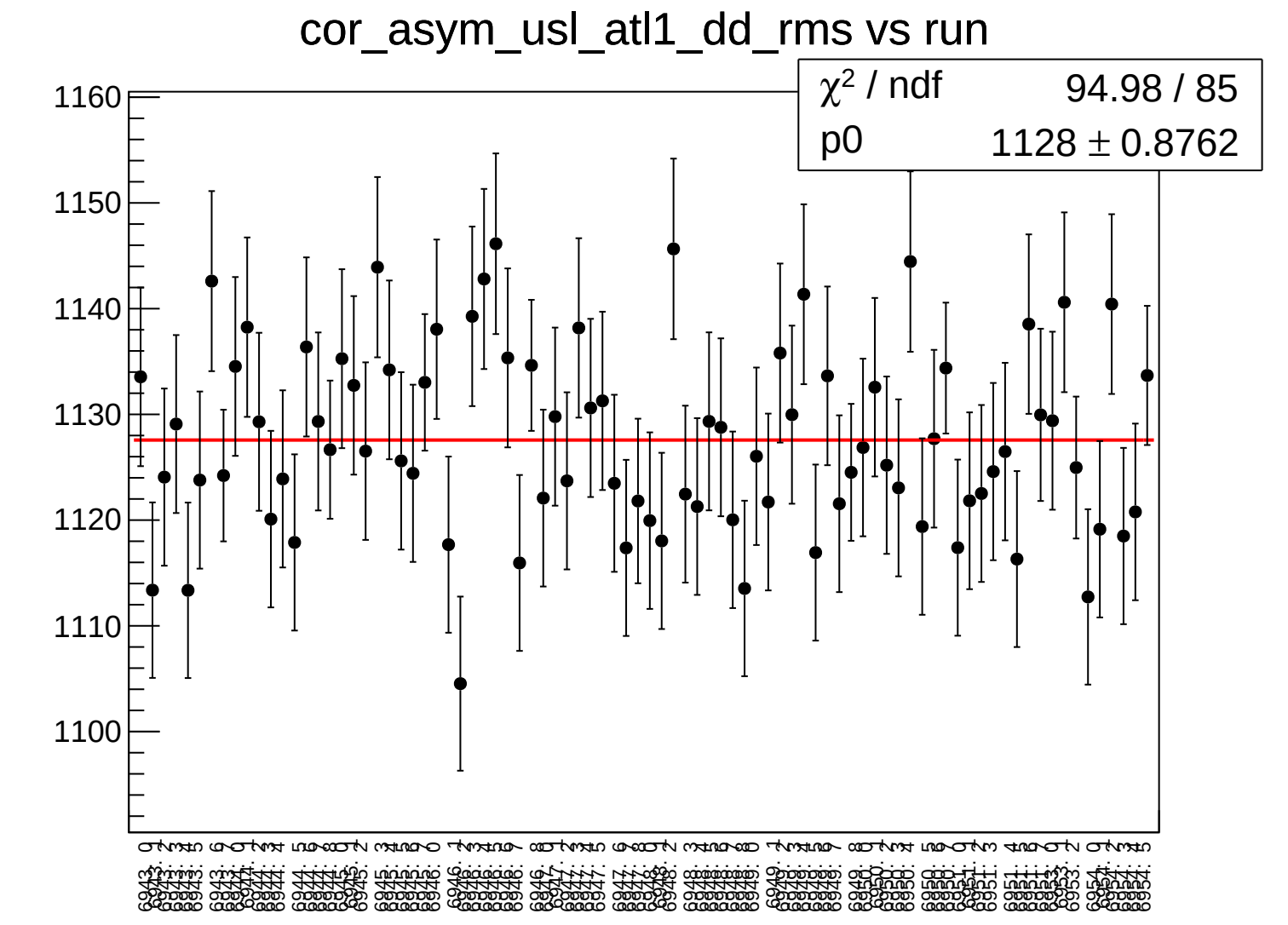
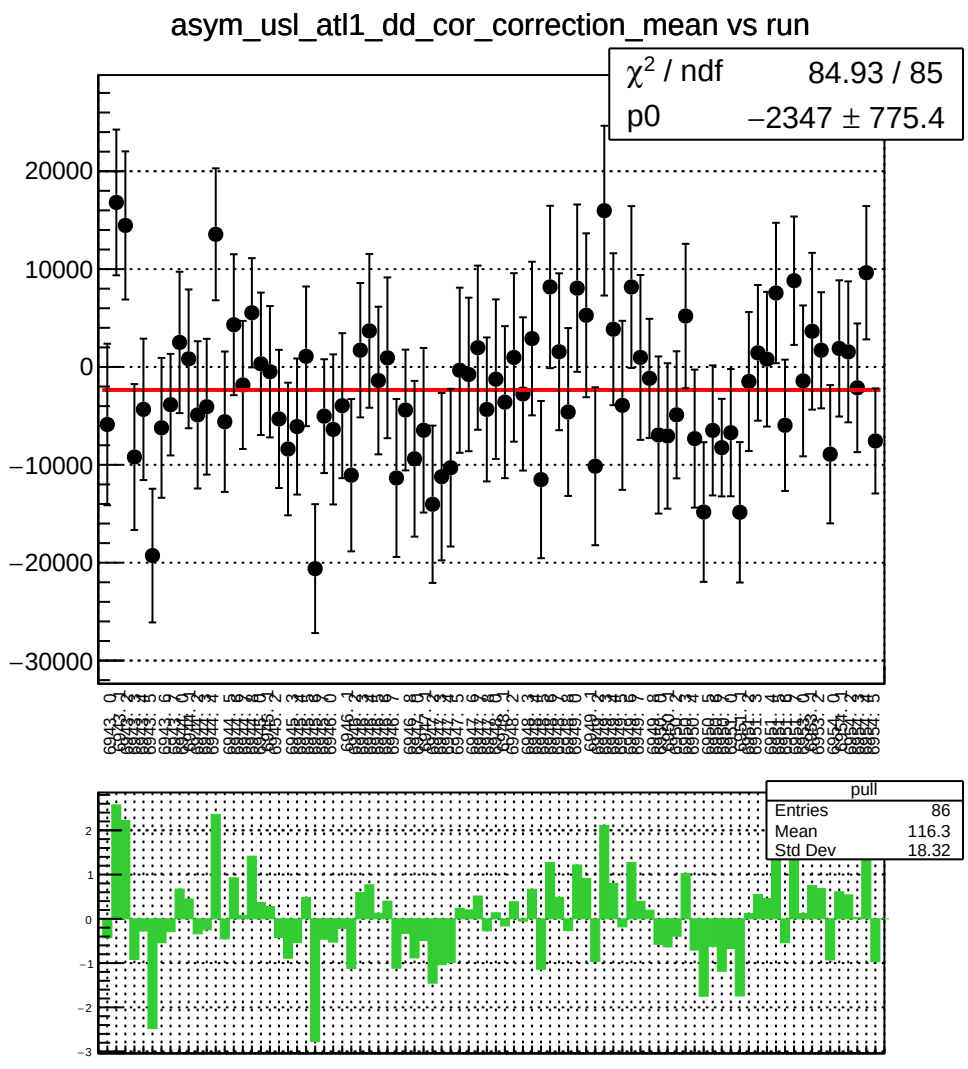
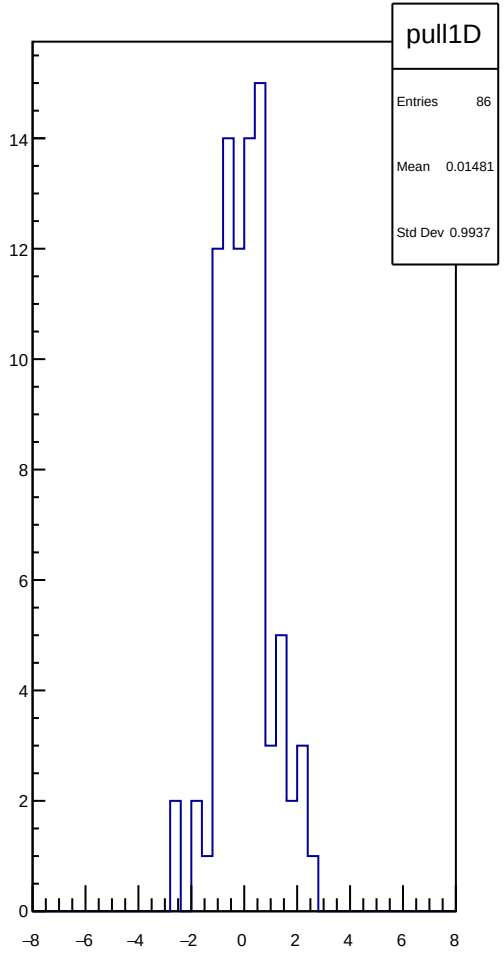
2
4
6
8


cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 94.98 / 85
p0 1128 ± 0.8762
1160
1150
1140
1130
1120
1110
1100


asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −2347 ± 775.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 116.3
Std Dev 18.32
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean 0.01481
Std Dev 0.9937
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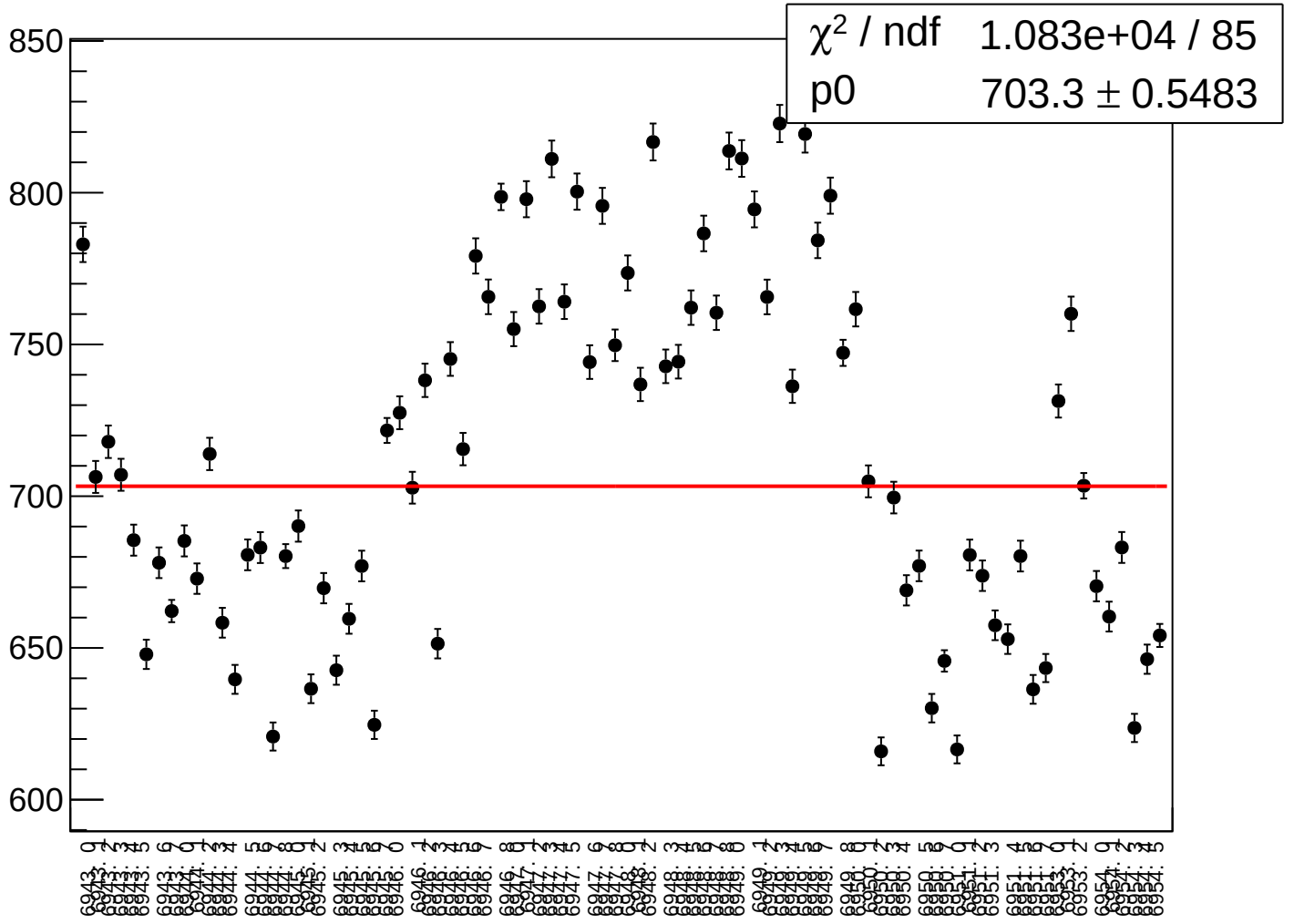
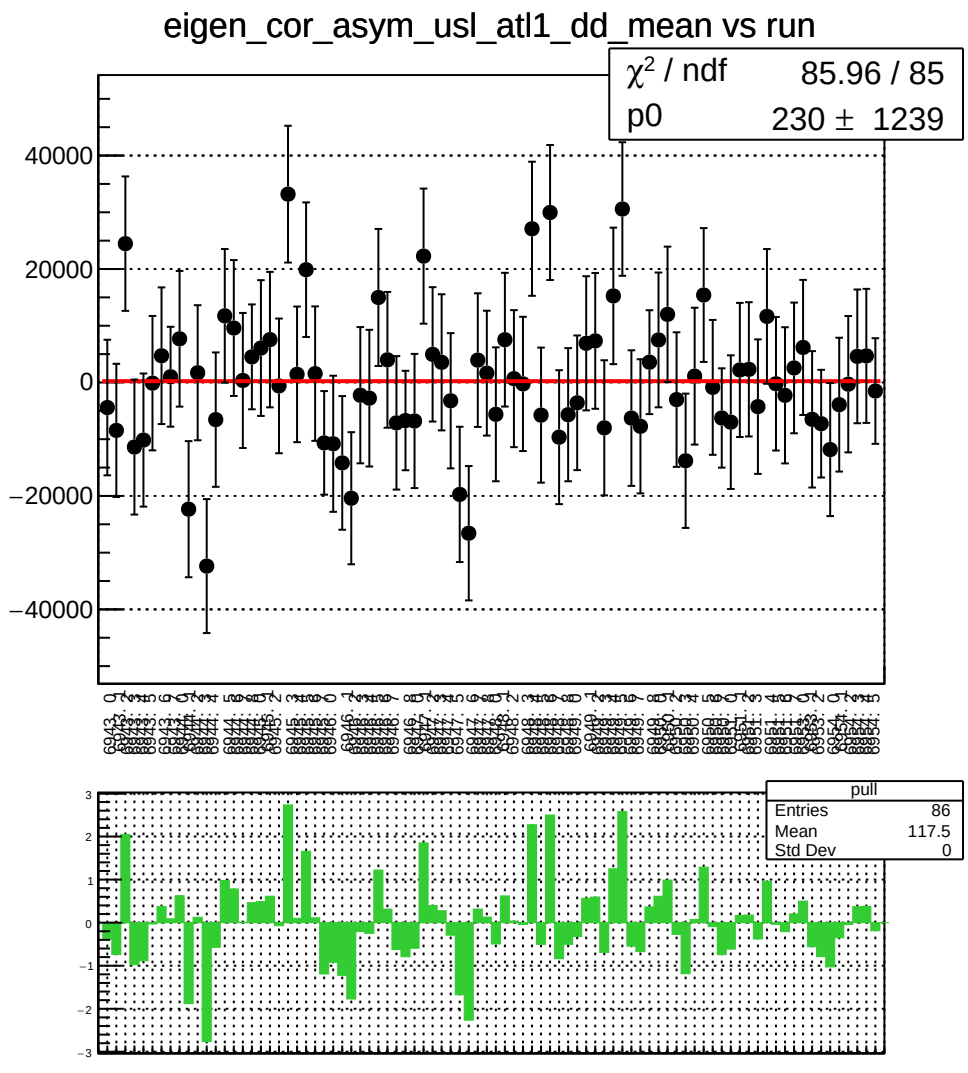
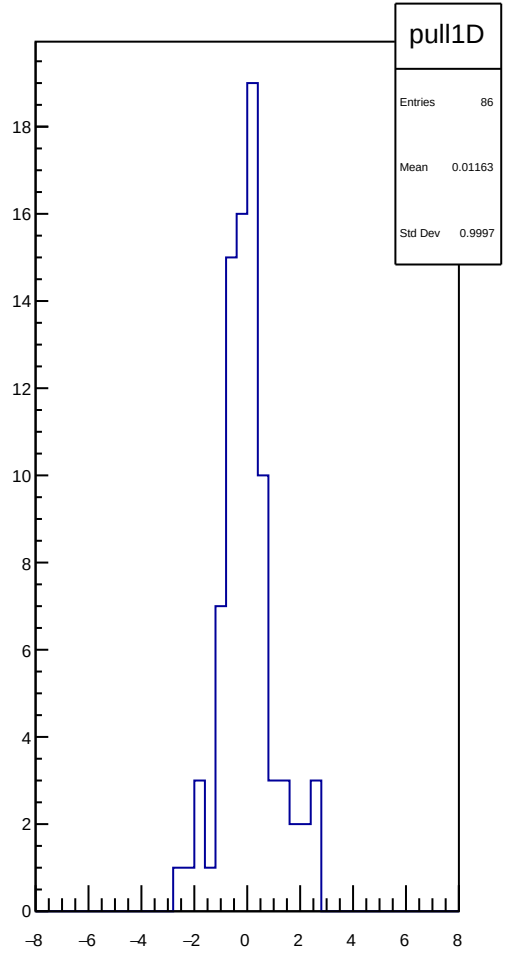
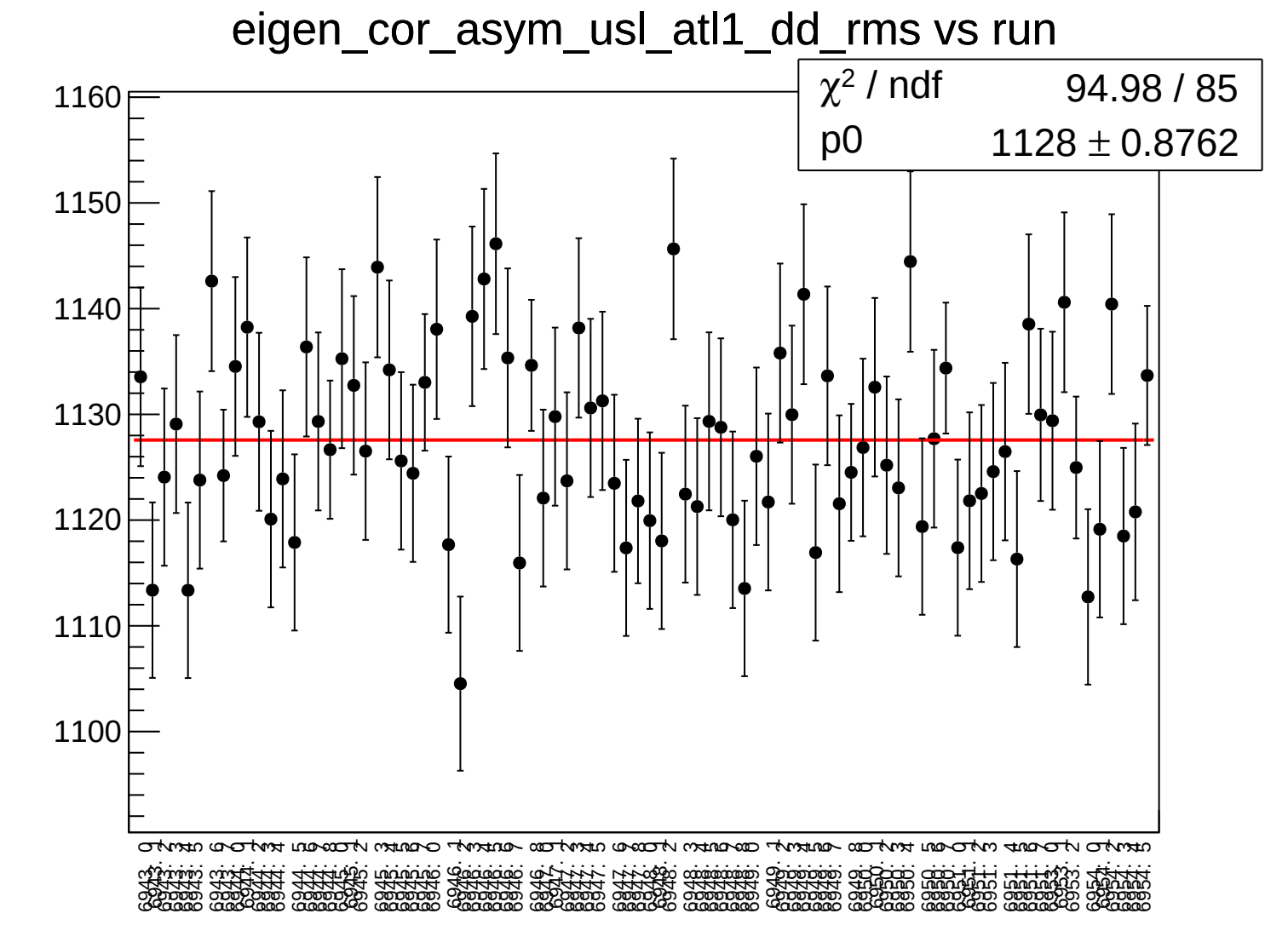
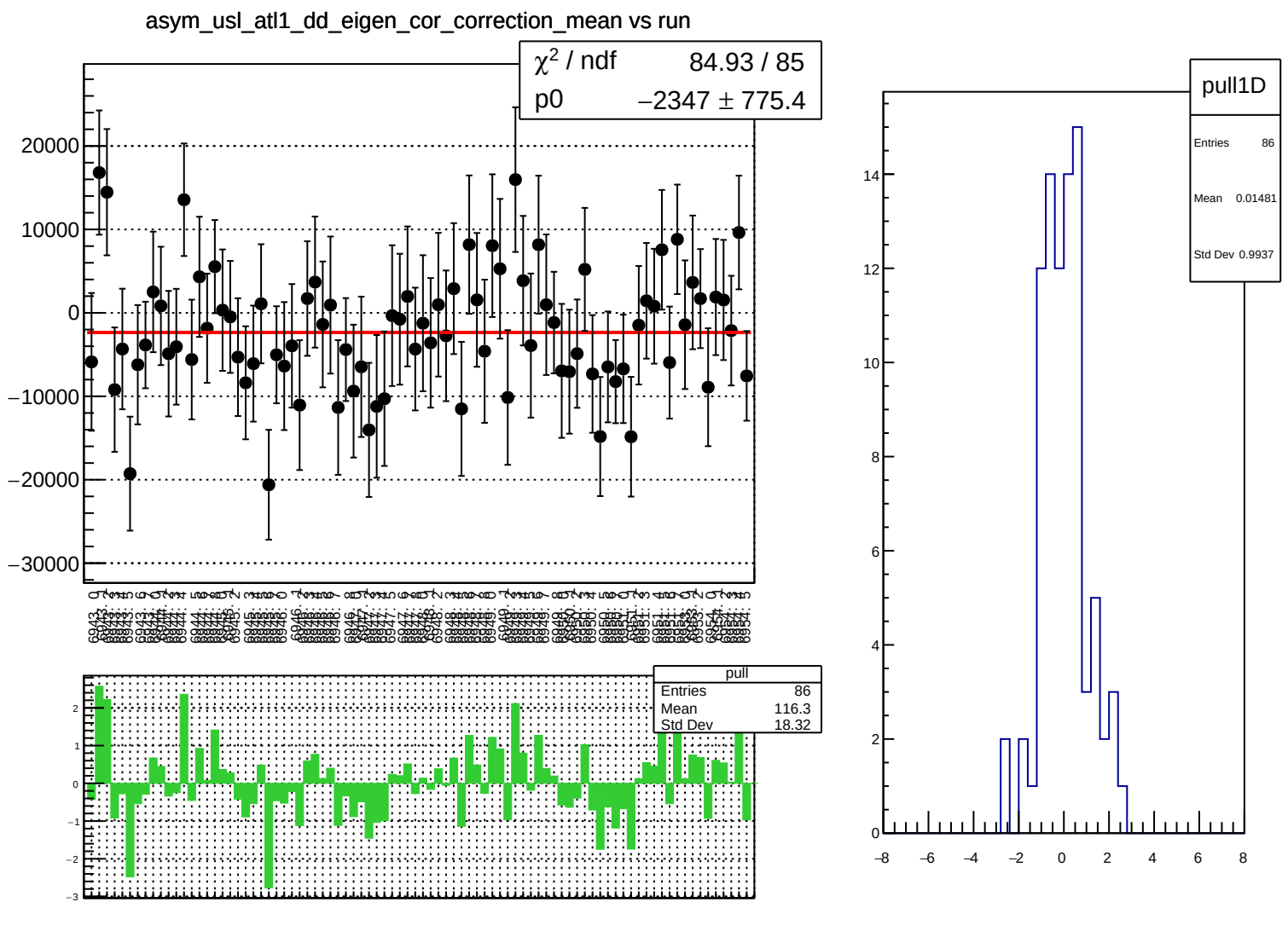
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

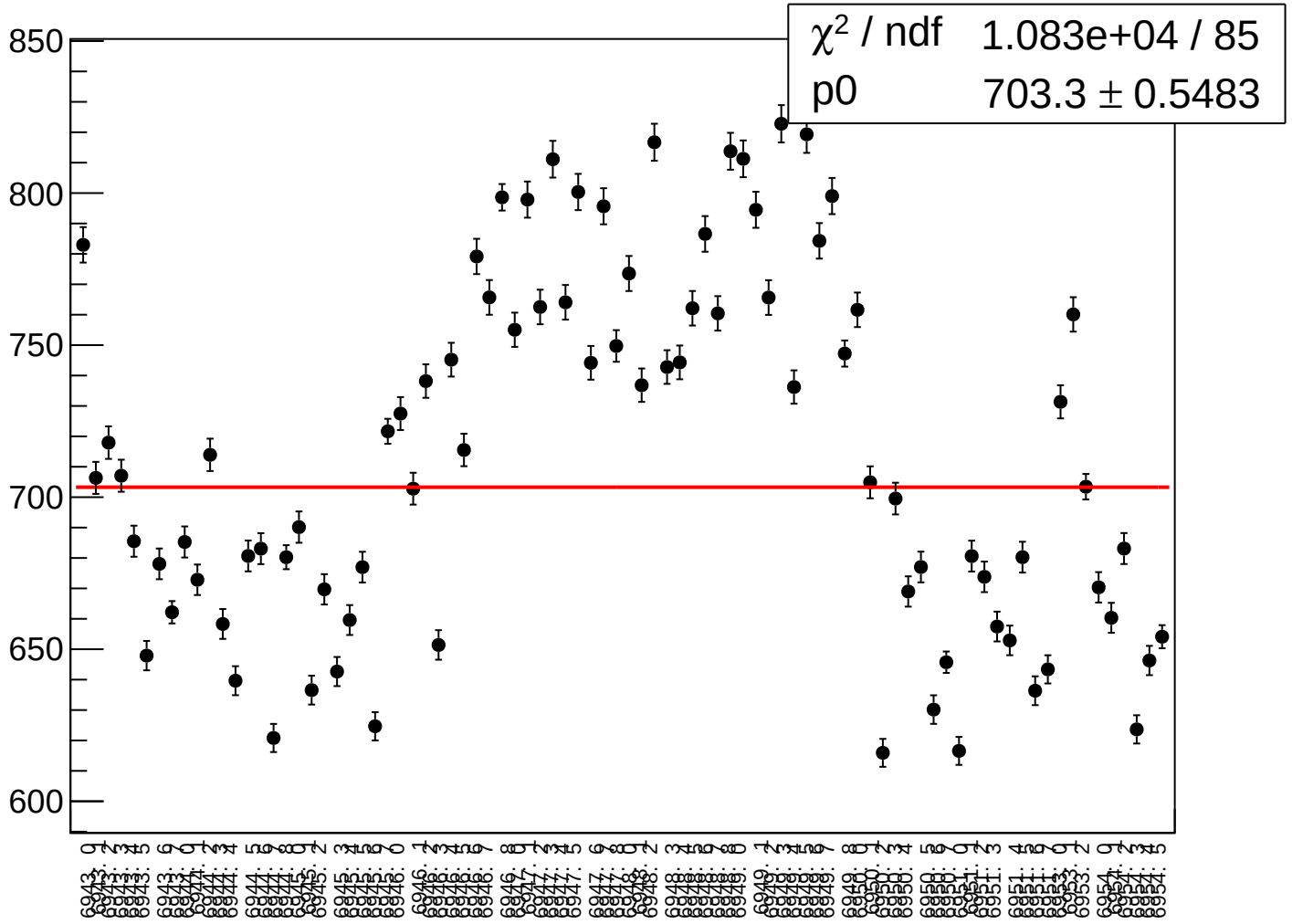

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1.083e+04 / 85
p0 703.3 ± 0.5483
850
800
750
700
650
600

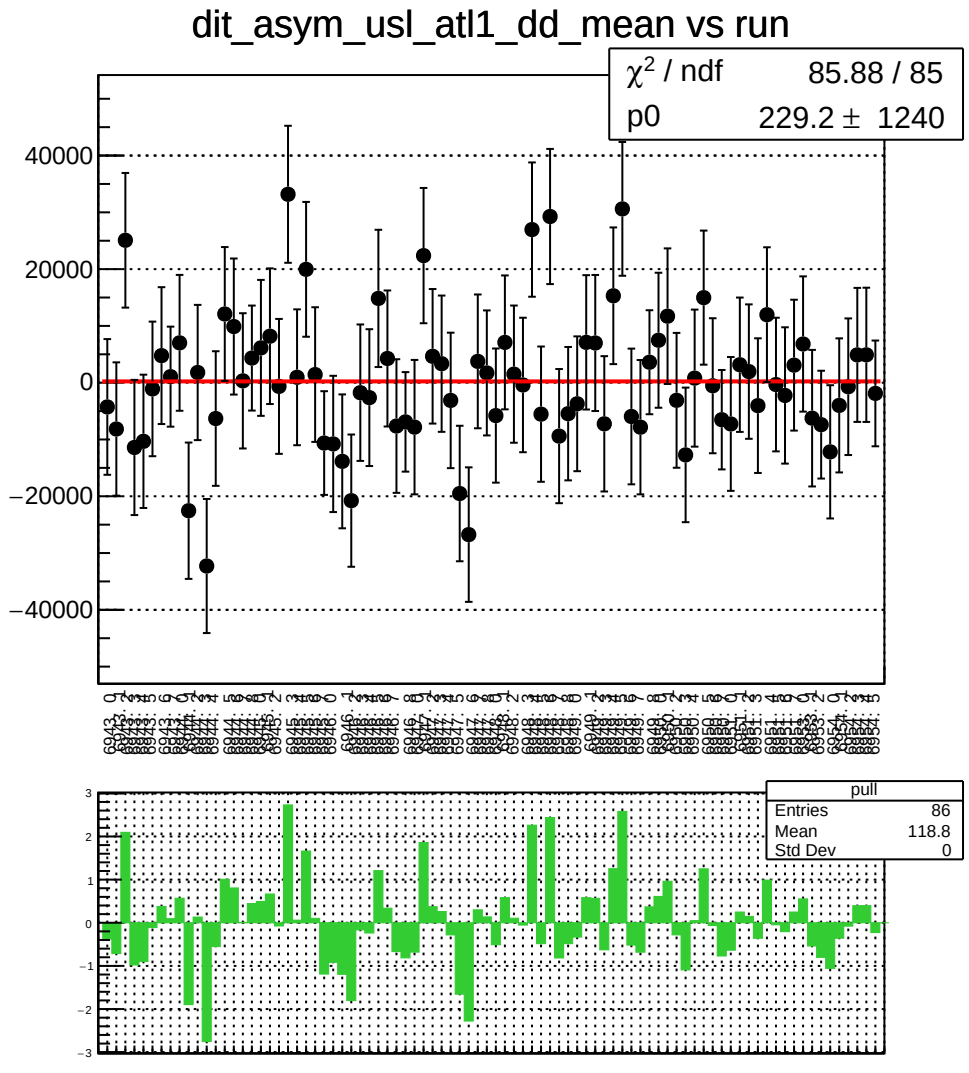

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 85.96 / 85
p0 230 ± 1239
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 117.5
Std Dev 0
3
2
1
0
−1
−2
−3

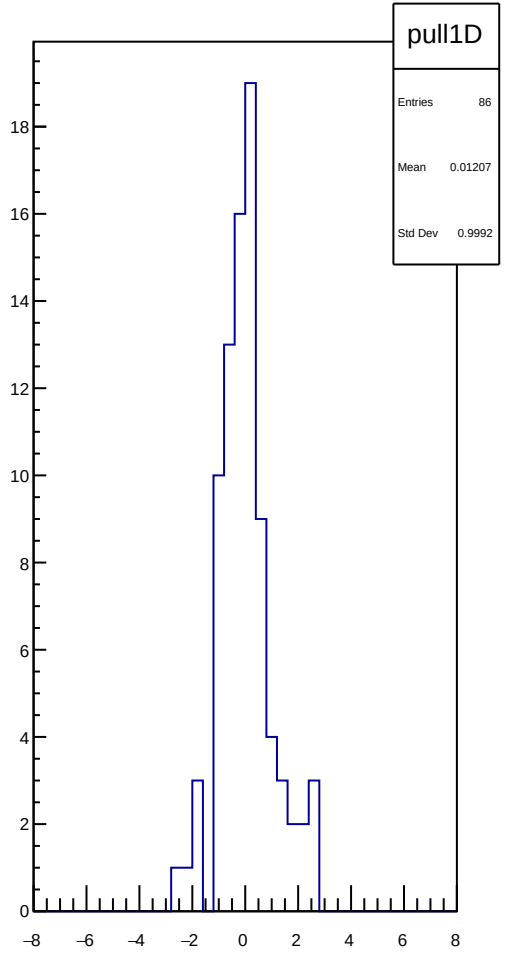

pull1D
Entries 86
Mean 0.01163
Std Dev 0.9997
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 94.98 / 85
p0 1128 ± 0.8762
1160
1150
1140
1130
1120
1110
1100

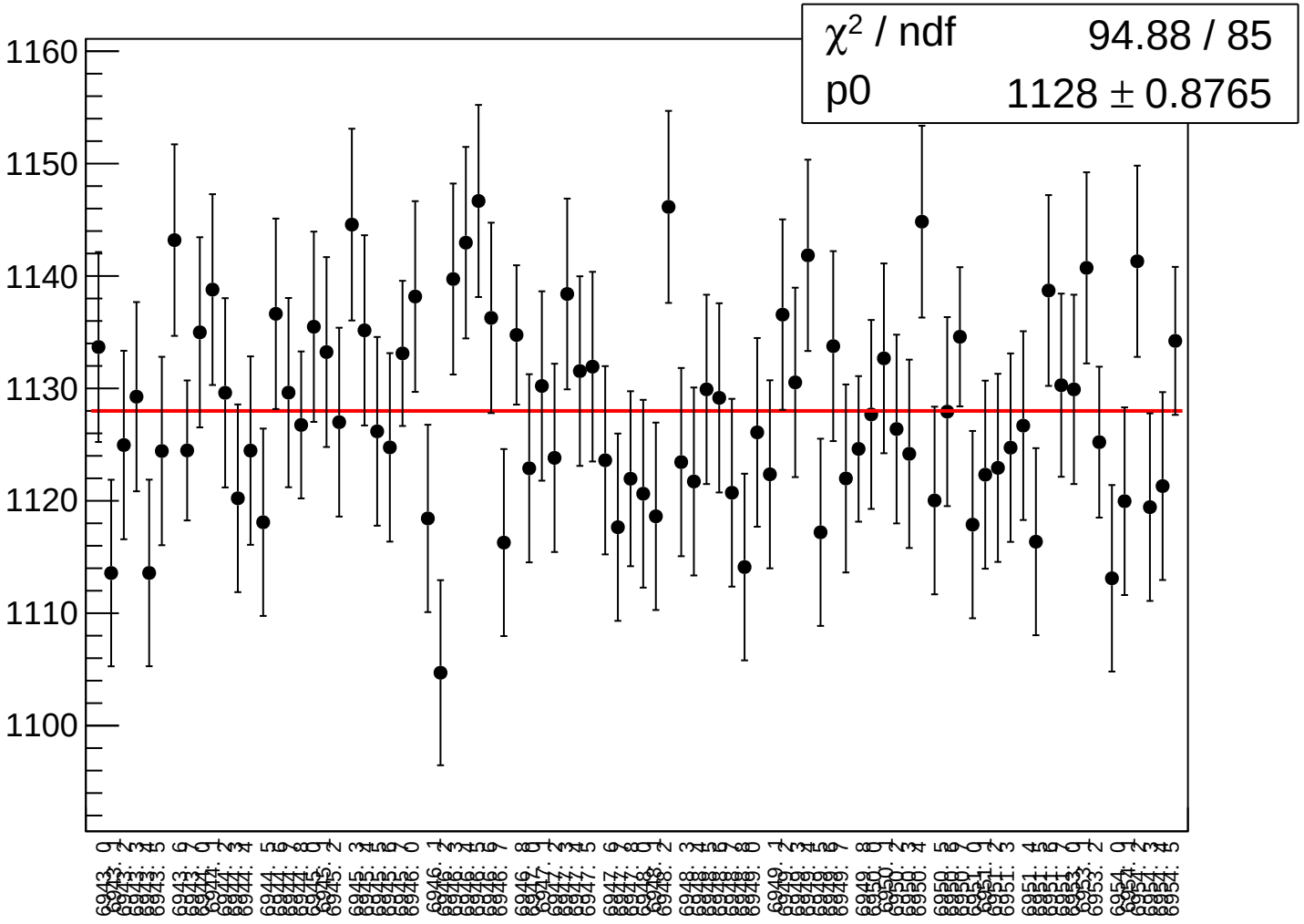

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −2347 ± 775.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 116.3
Std Dev 18.32
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01481
Std Dev 0.9937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

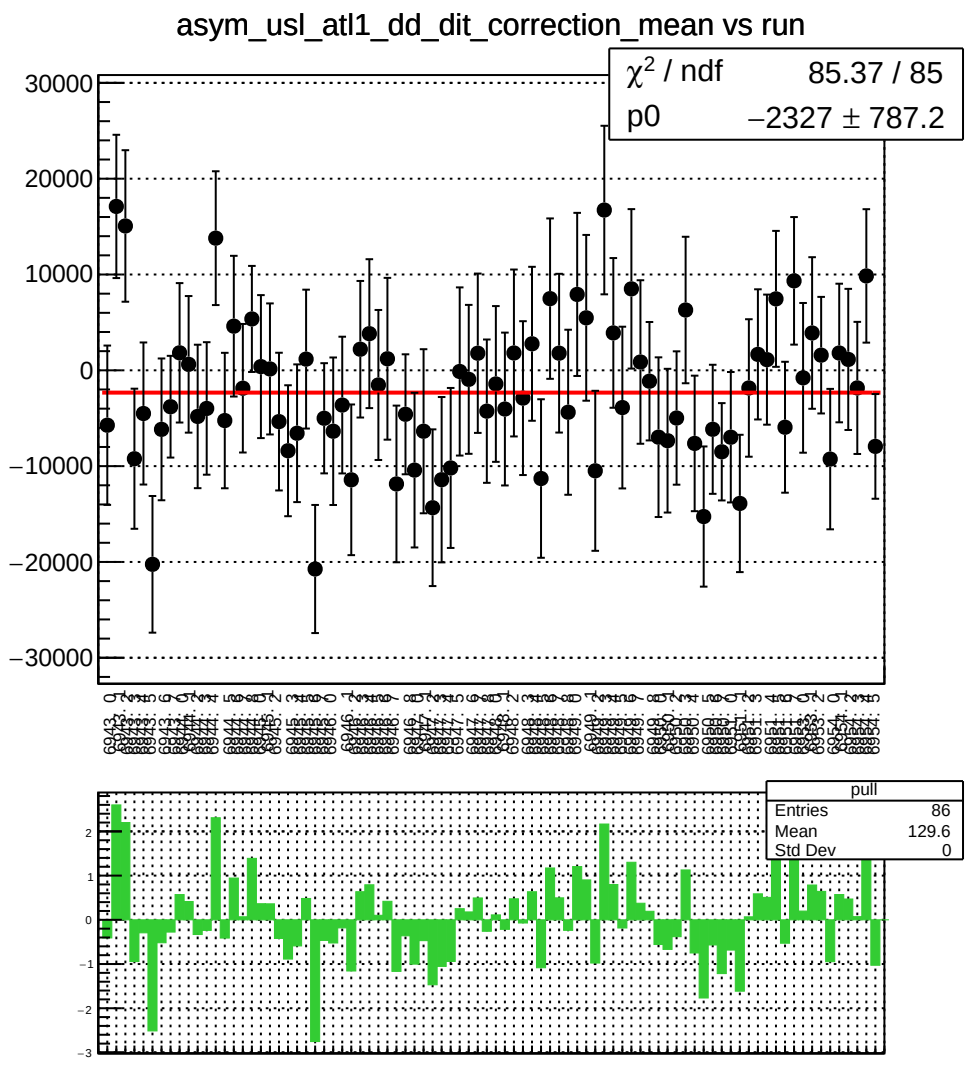

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.083e+04 / 85
p0 703.3 ± 0.5483
850
800
750
700
650
600

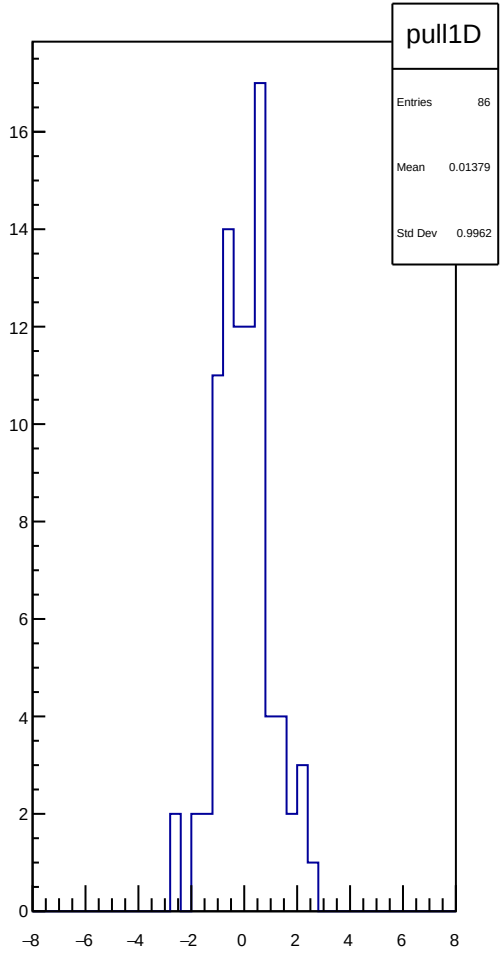

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 85.88 / 85
p0 229.2 ± 1240
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 118.8
Std Dev 0
3
2
1
0
−1
−2
−3

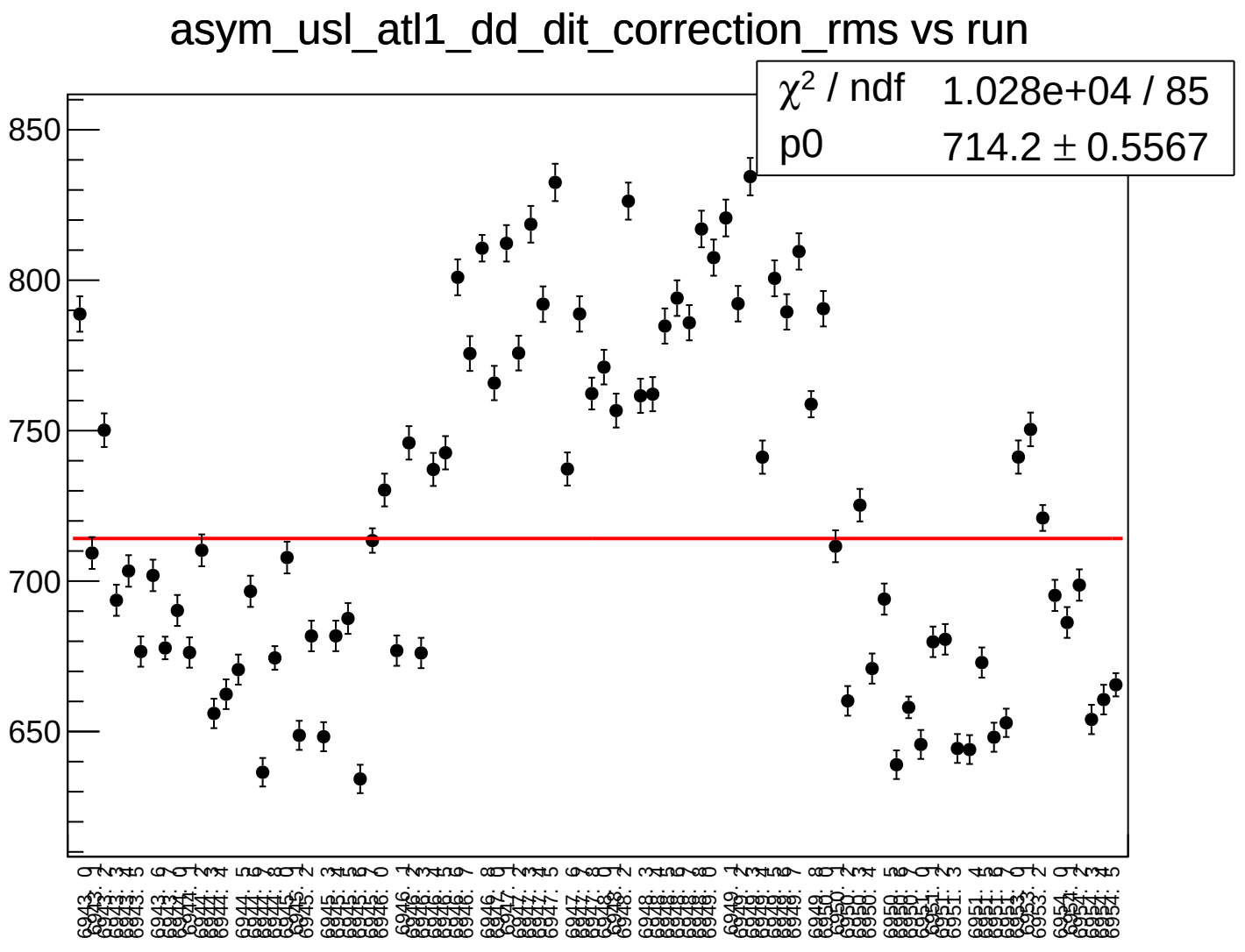

pull1D
Entries 86
Mean 0.01207
Std Dev 0.9992
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

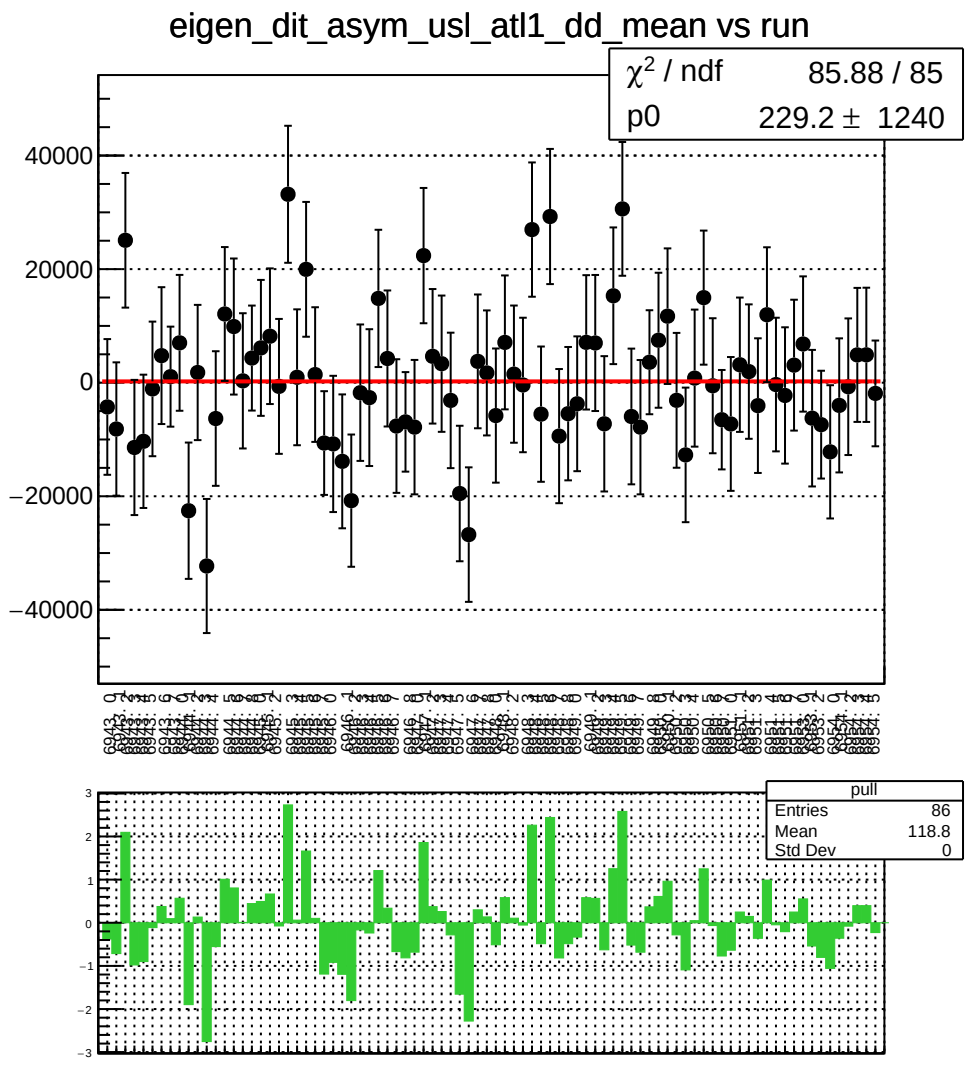
dit_asym_usl_atl1_dd_rms vs run

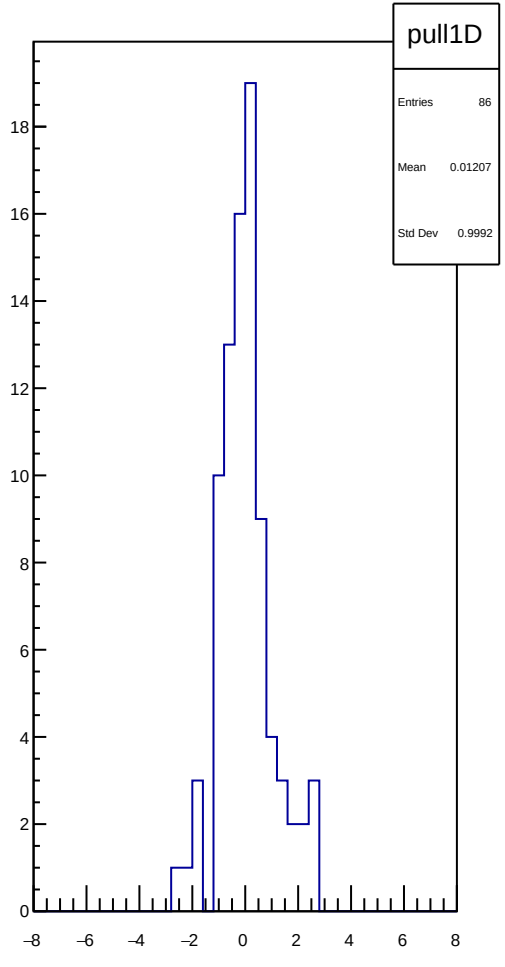


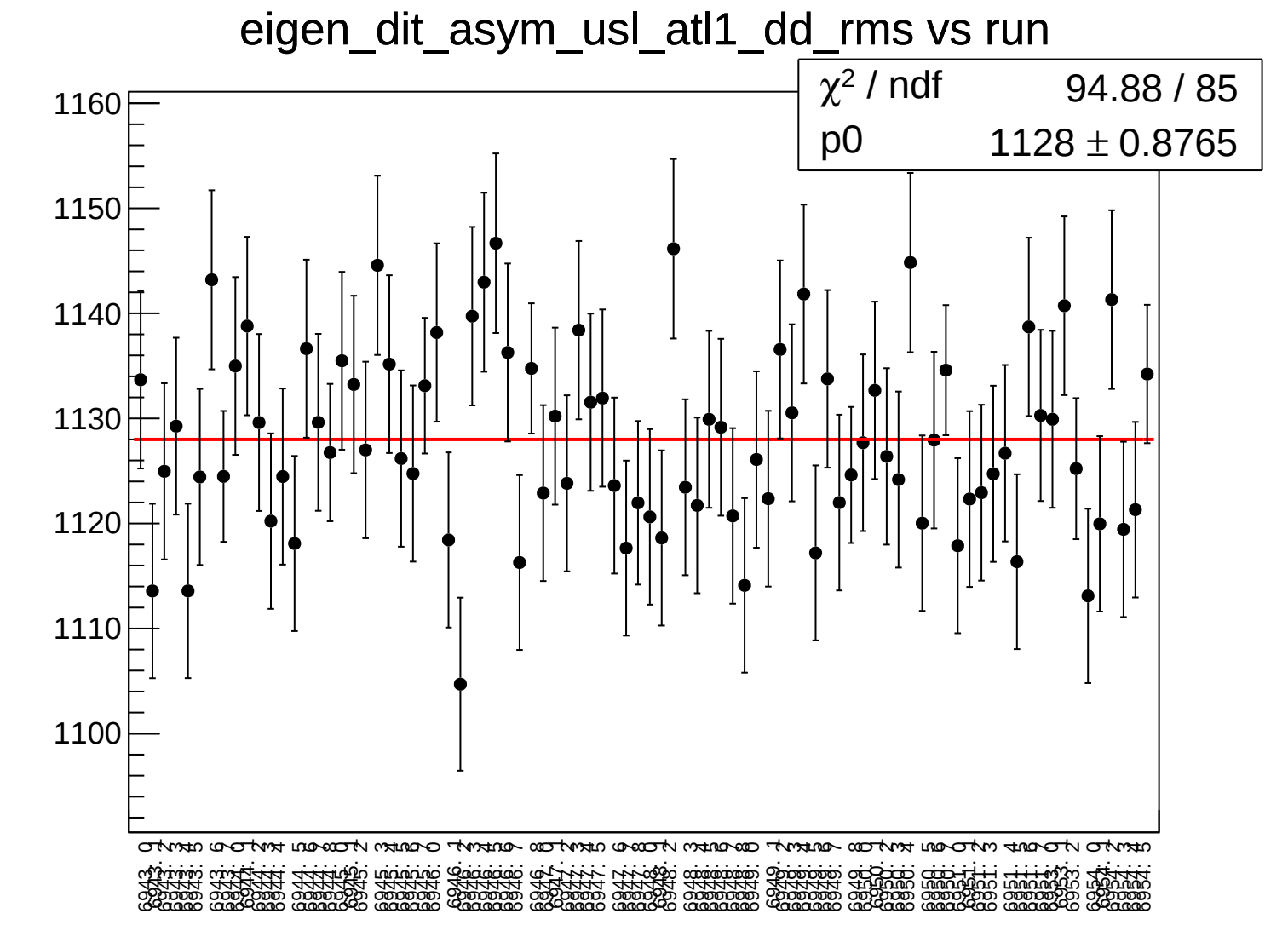

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 85.37 / 85
p0 −2327 ± 787.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.6
Std Dev 0
2
1
0
−1
−2
−3

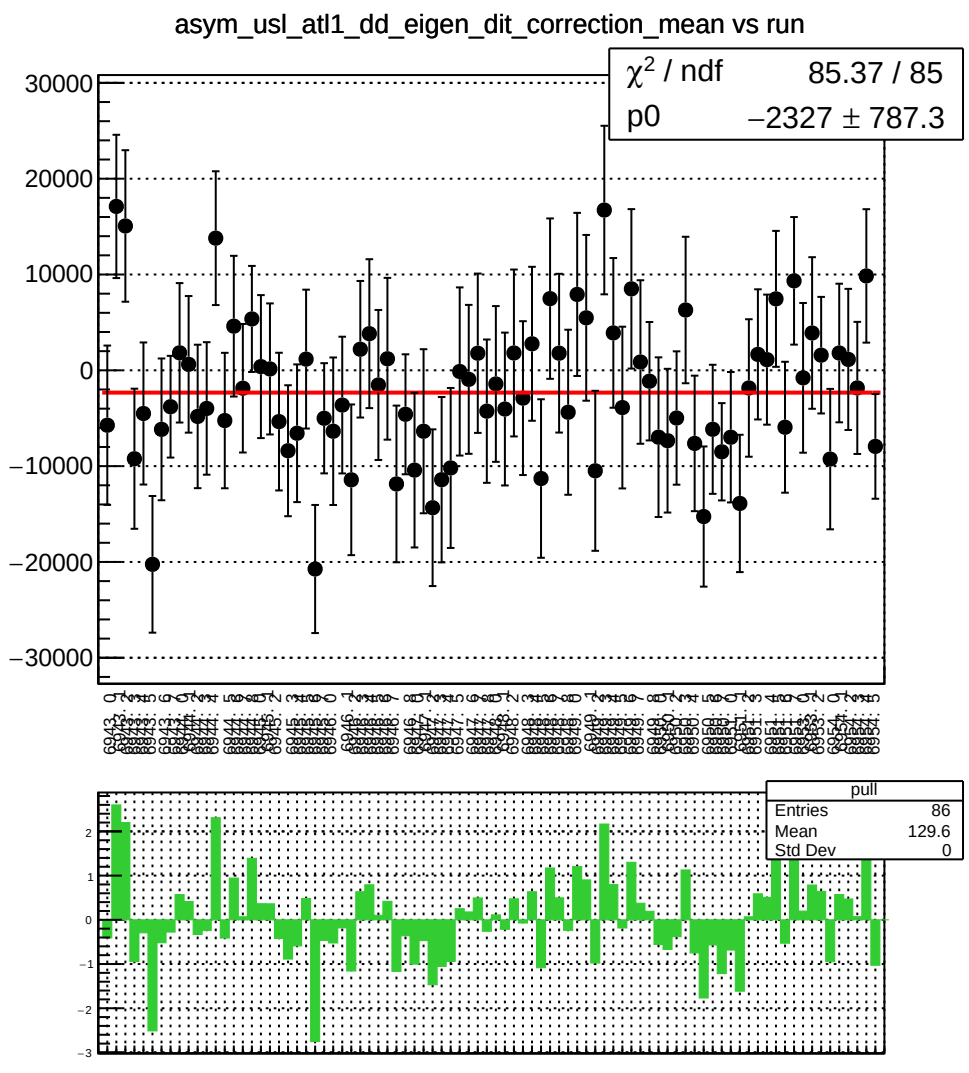

pull1D
Entries 86
Mean 0.01379
Std Dev 0.9962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

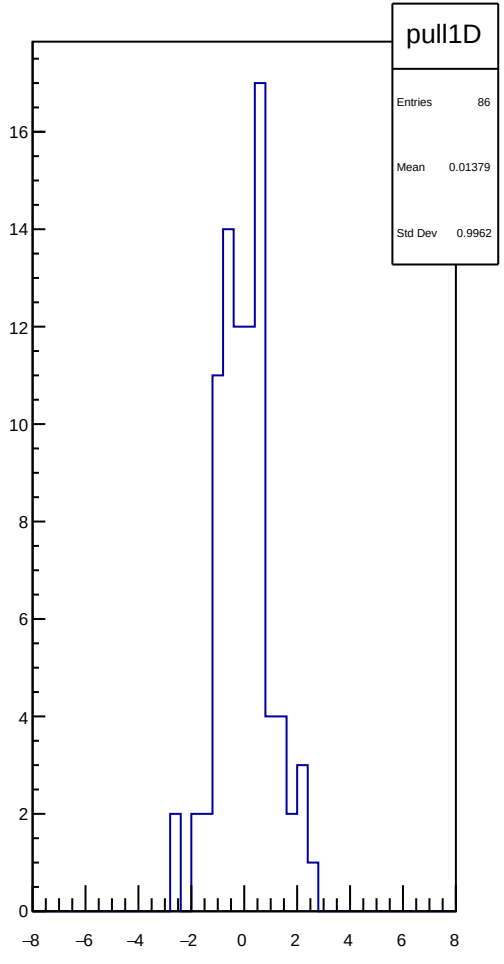

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1.028e+04 / 85
p0 714.2 ± 0.5567
850
800
750
700
650

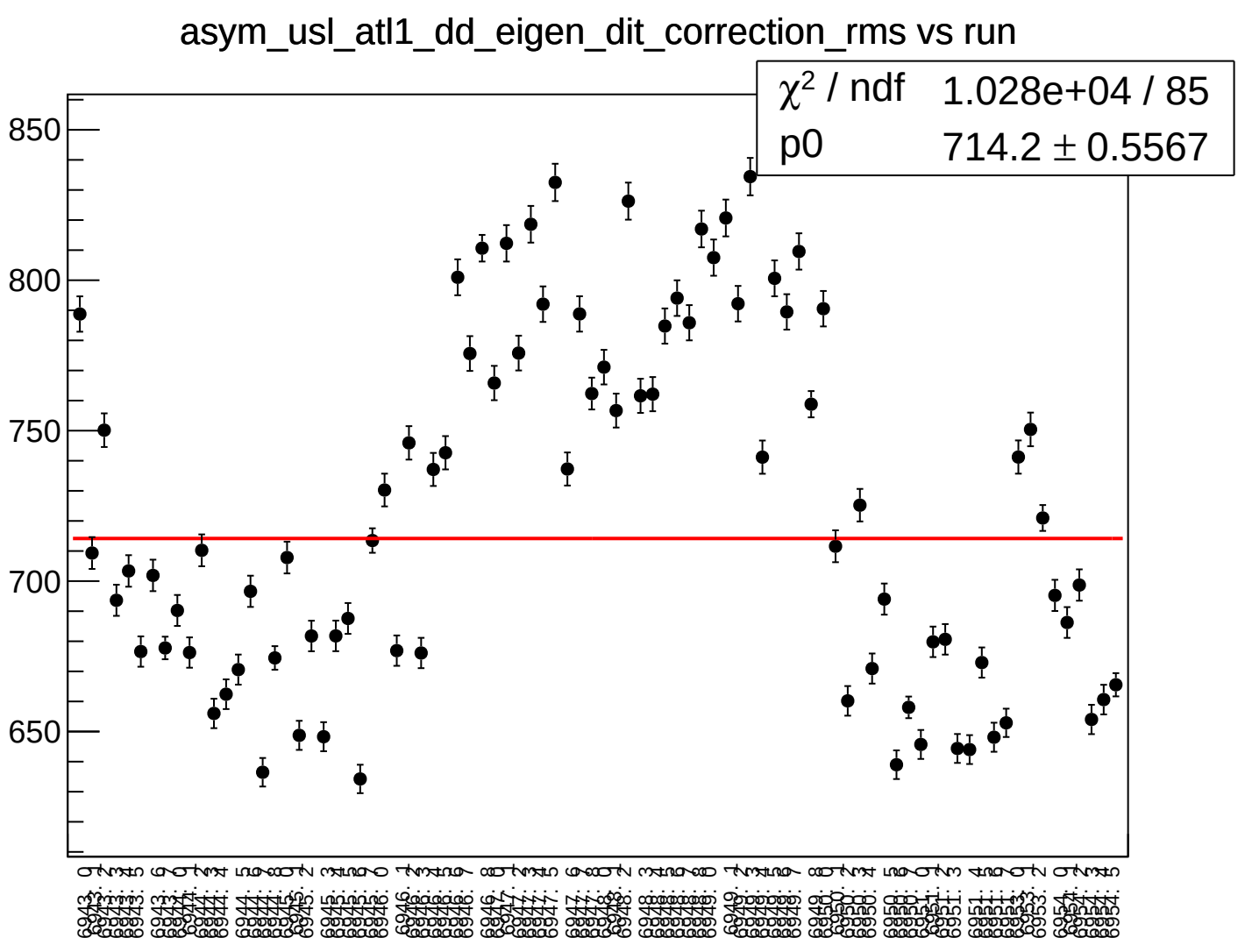

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 85.88 / 85
p0 229.2 ± 1240
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 118.8
Std Dev 0
3
2
1
0
−1
−2
−3

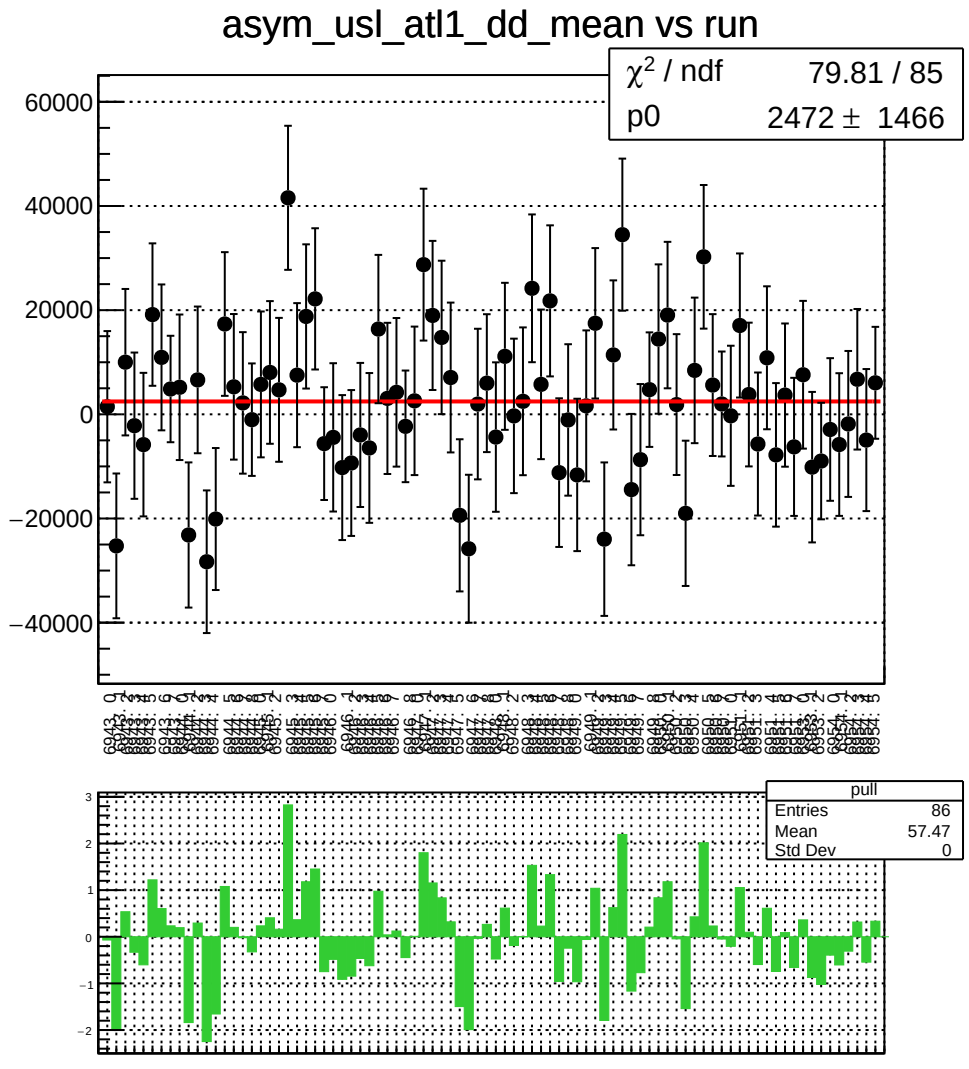

pull1D
Entries 86
Mean 0.01207
Std Dev 0.9992
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

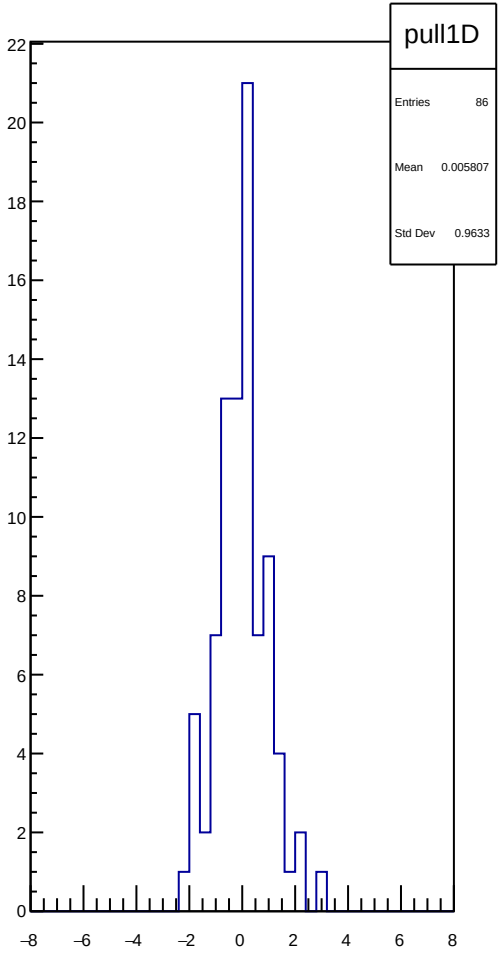

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 94.88 / 85
p0 1128 ± 0.8765
1160
1150
1140
1130
1120
1110
1100

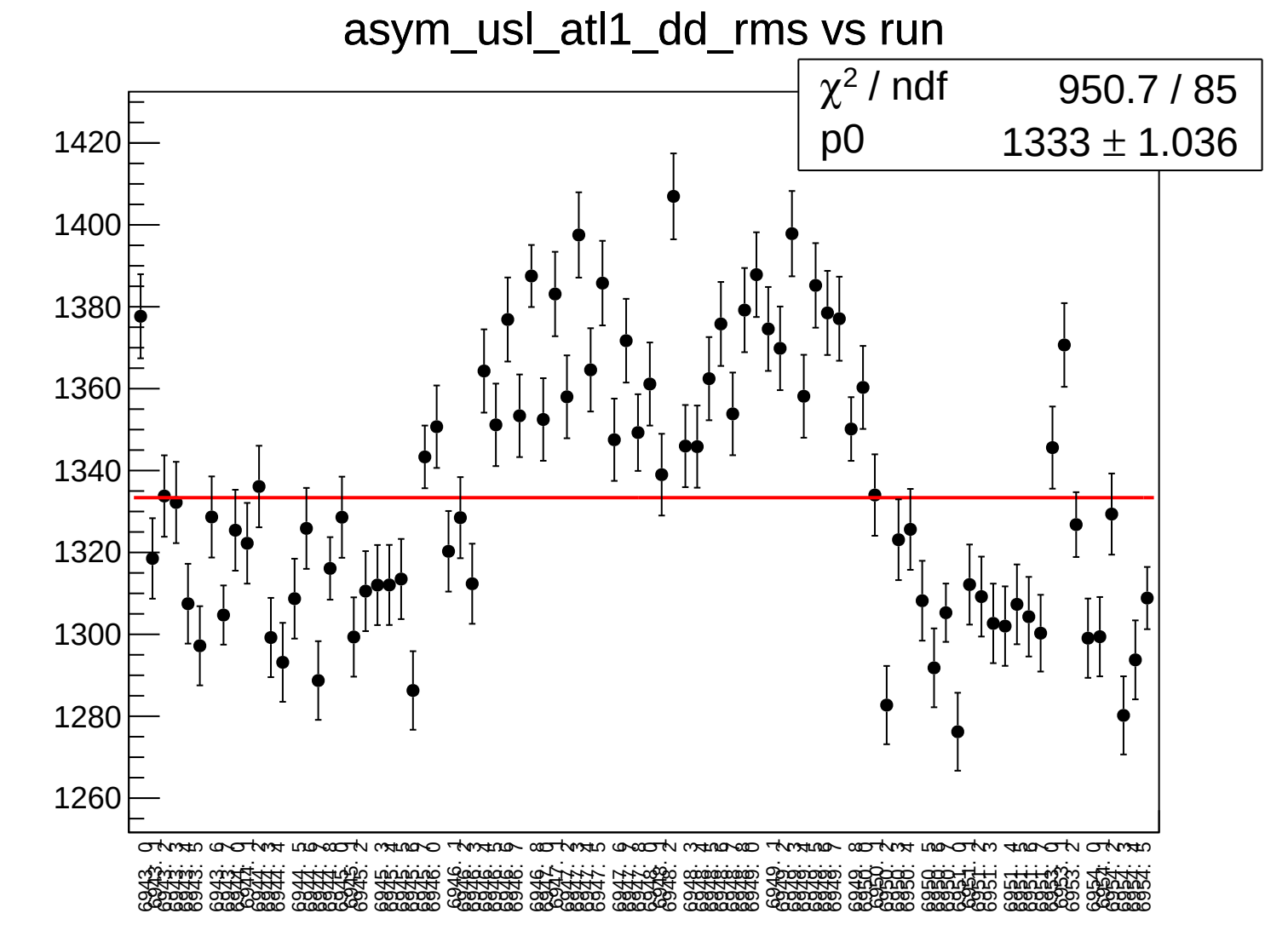

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.37 / 85
p0 −2327 ± 787.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 129.6
Std Dev 0
2
1
0
−1
−2
−3

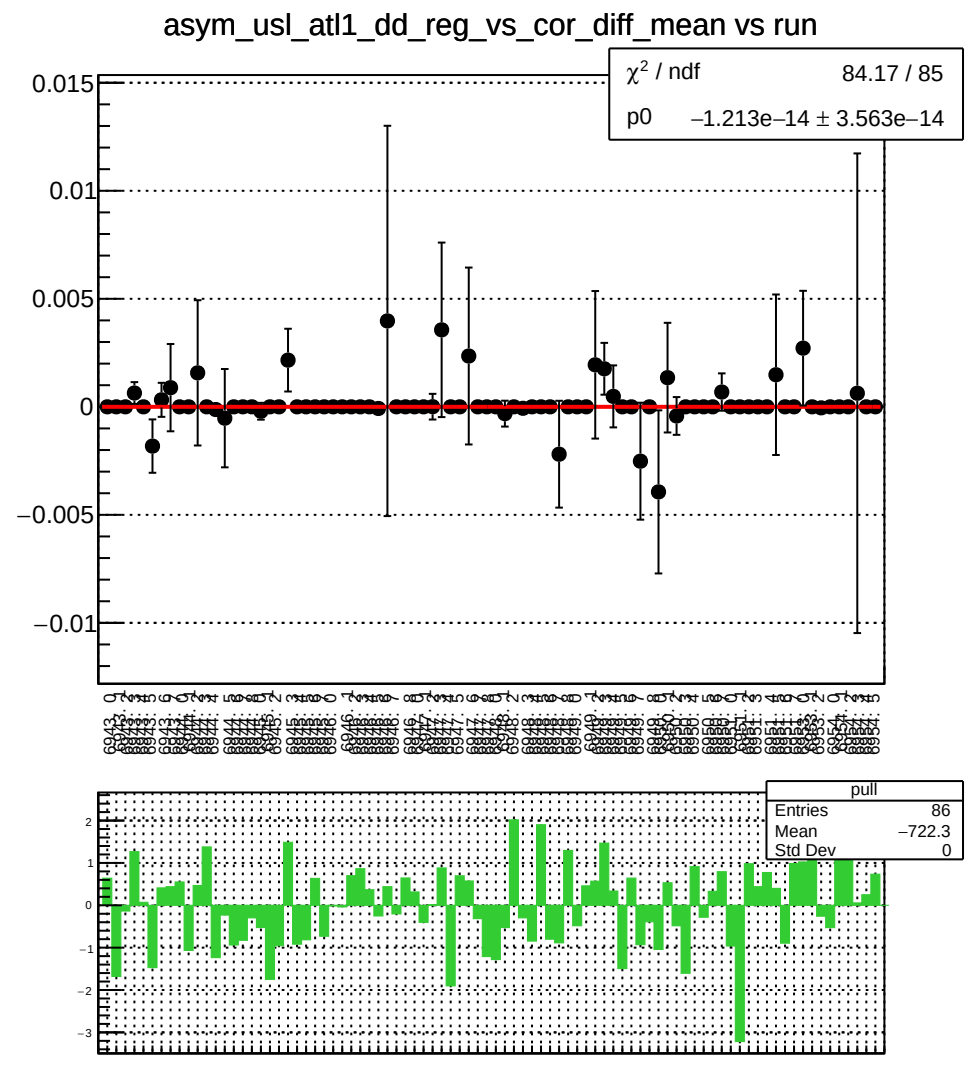

pull1D
Entries 86
Mean 0.01379
Std Dev 0.9962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

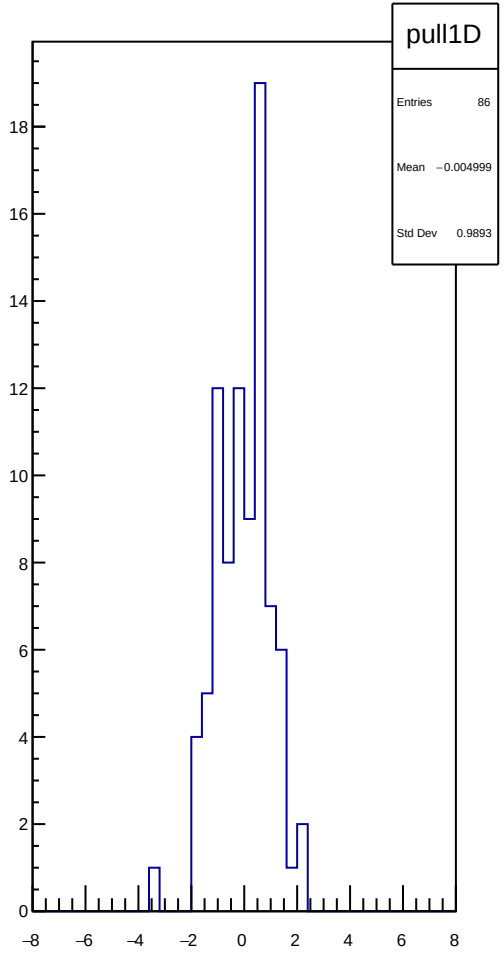

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.028e+04 / 85
p0 714.2 ± 0.5567
850
800
750
700
650

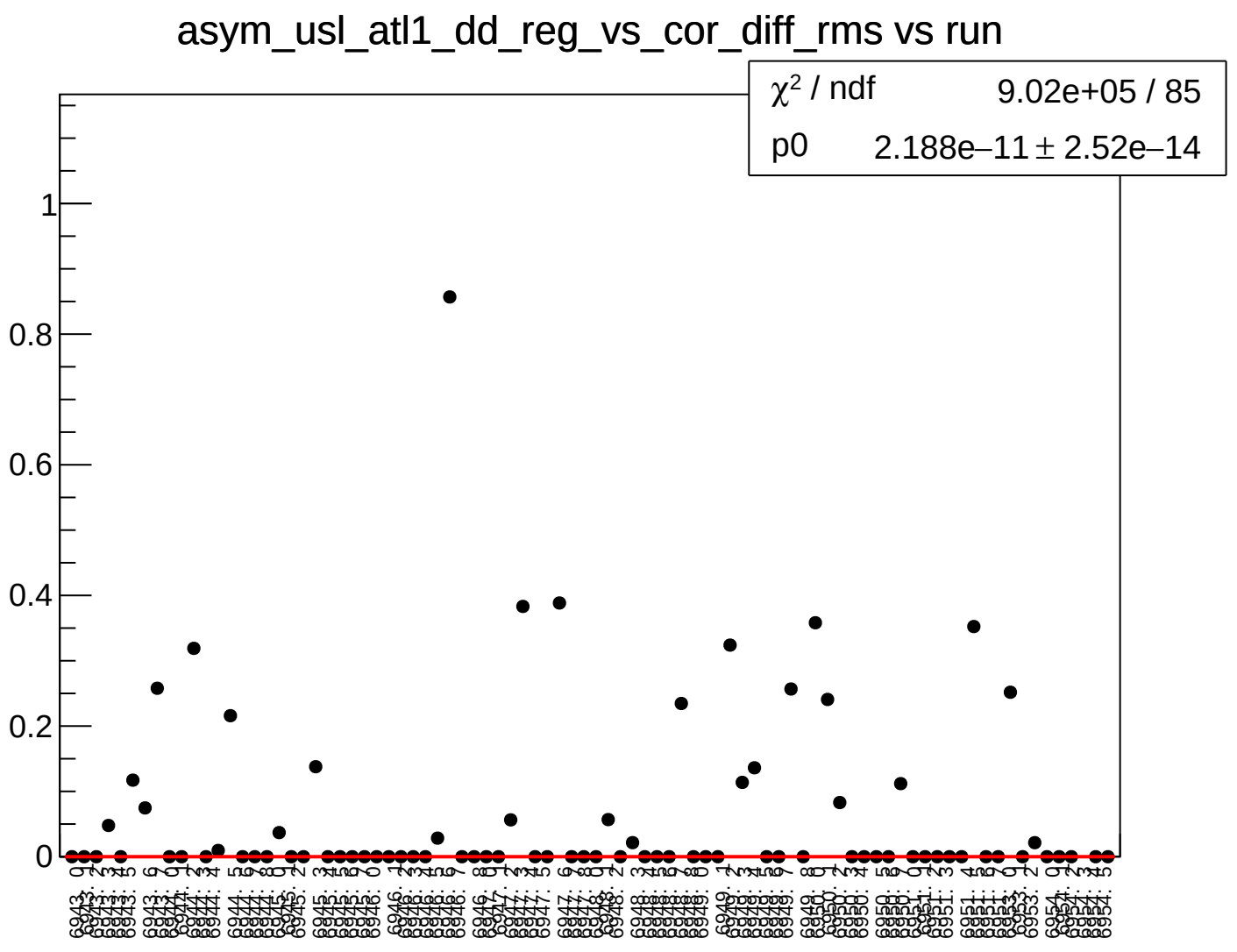

asym_usl_atl1_dd_mean vs run
χ² / ndf 79.81 / 85
p0 2472 ± 1466
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 57.47
Std Dev 0
3
2
1
0
−1
−2

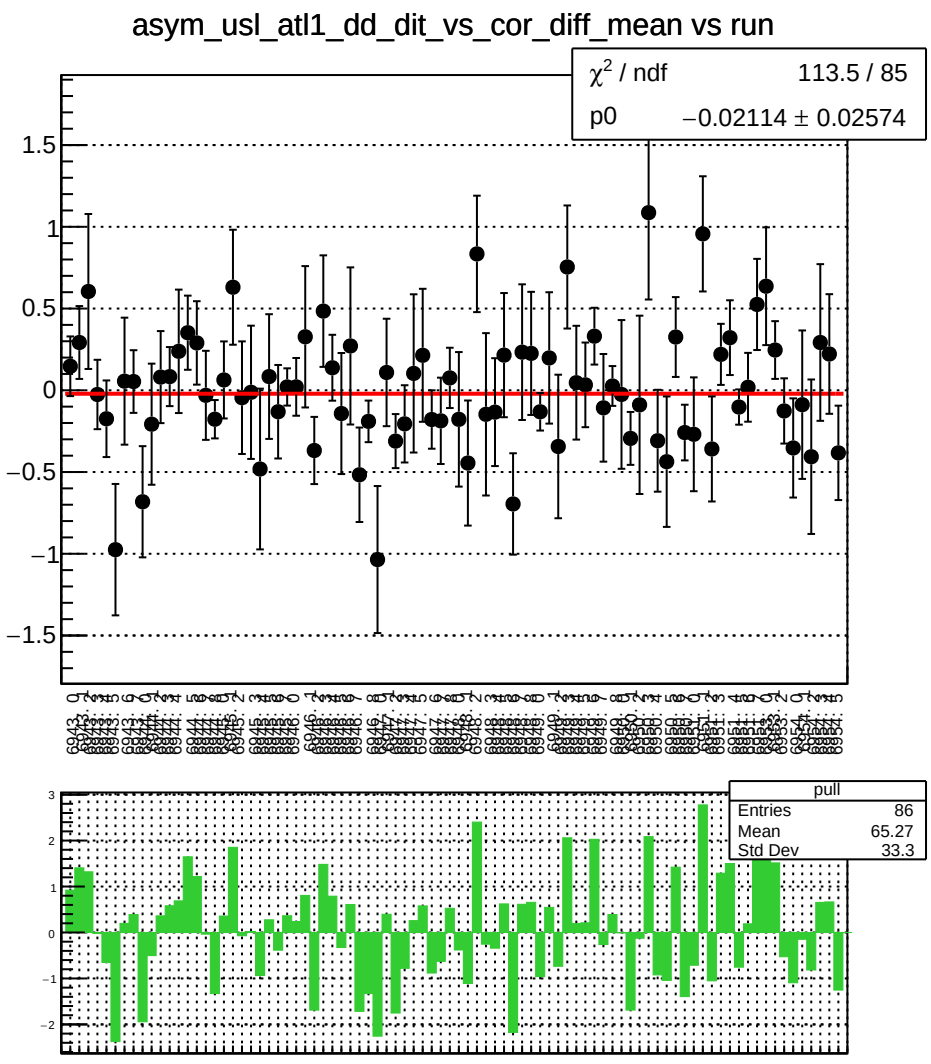

pull1D
Entries 86
Mean 0.005807
Std Dev 0.9633
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

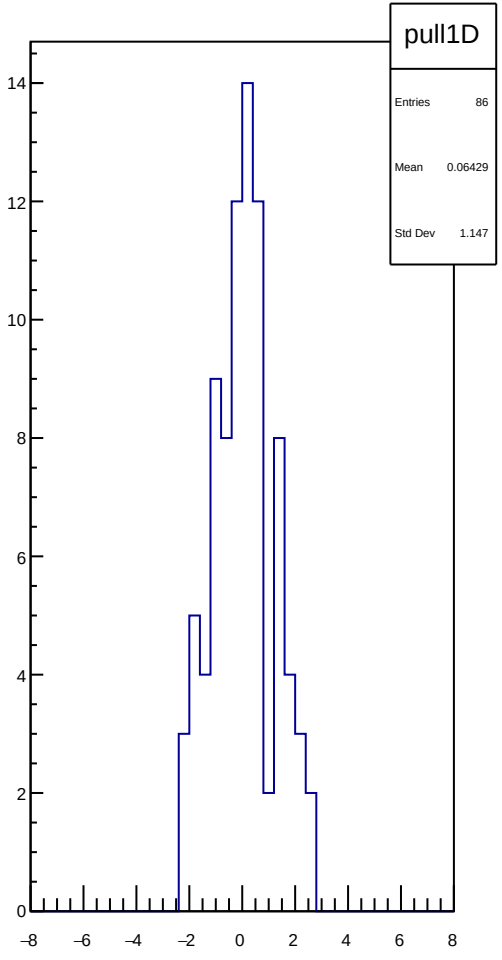

asym_usl_atl1_dd_rms vs run
χ² / ndf 950.7 / 85
p0 1333 ± 1.036
1420
1400
1380
1360
1340
1320
1300
1280
1260

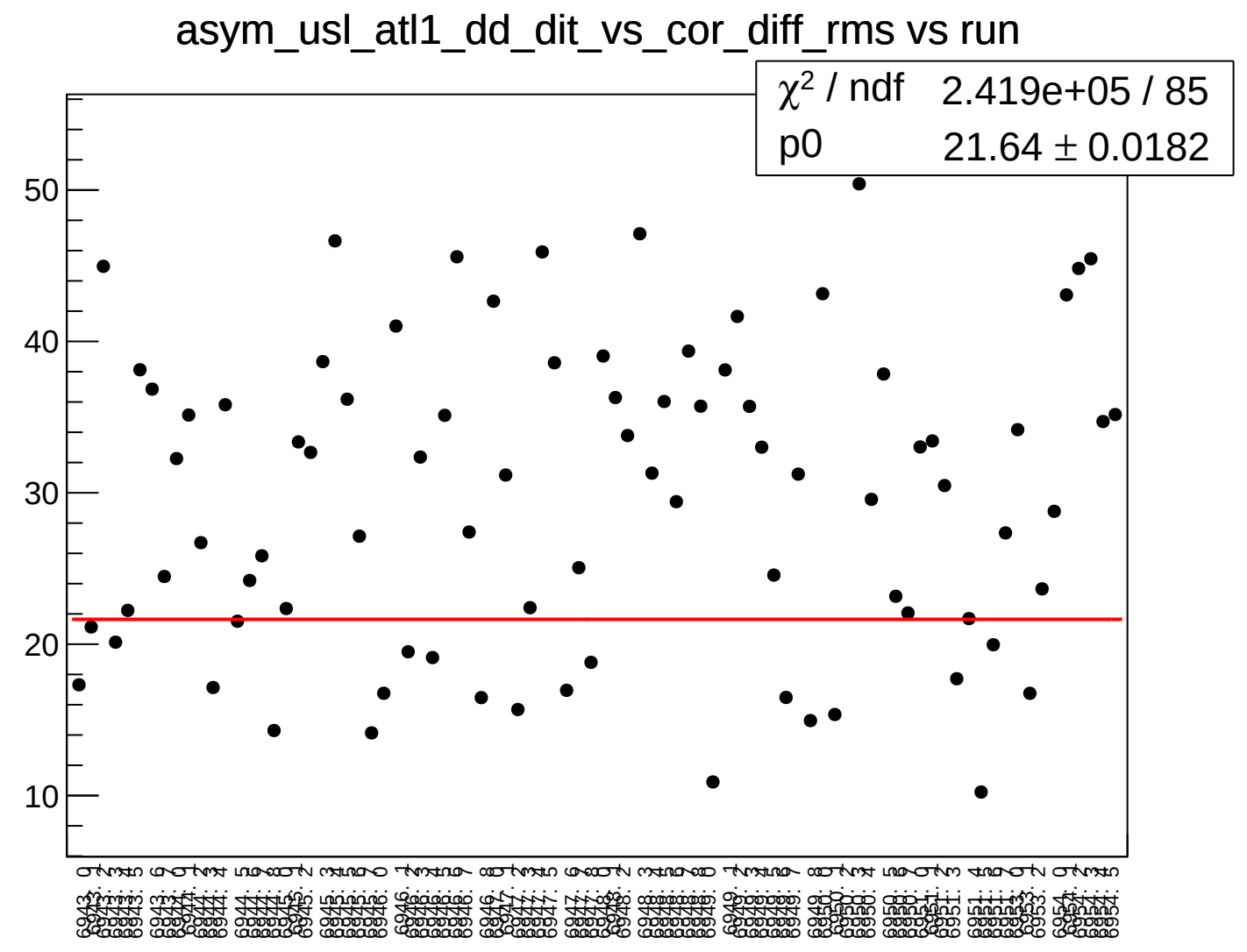

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.17 / 85
p0 −1.213e−14 ± 3.563e−14
pull
Entries 86
Mean −722.3
Std Dev 0

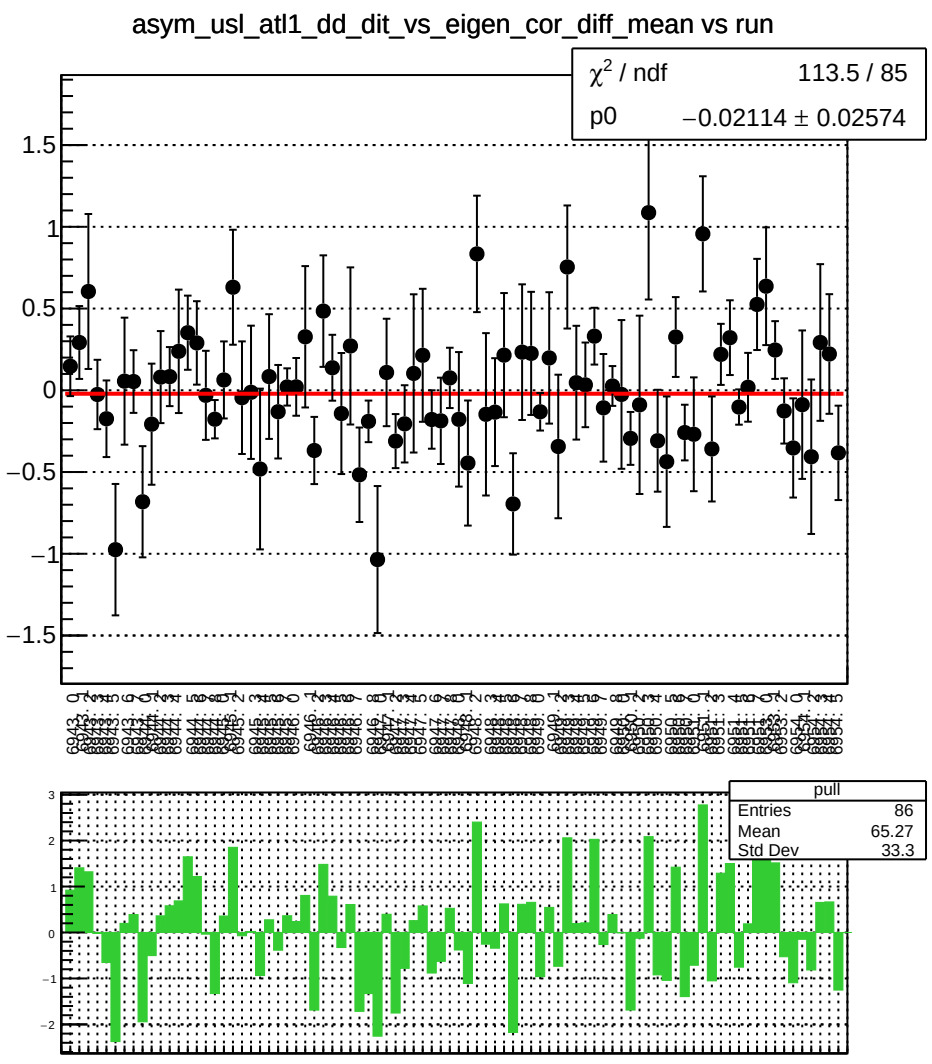

pull1D
Entries 86
Mean −0.004999
Std Dev 0.9893

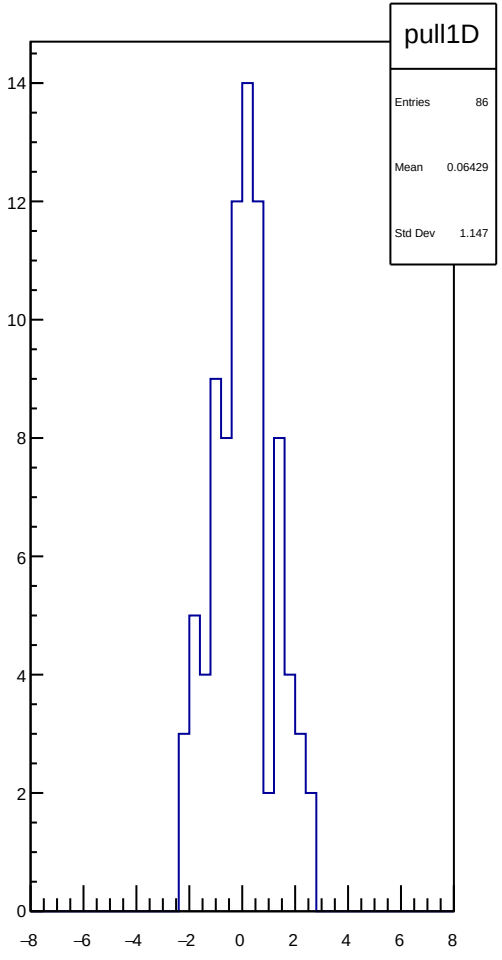

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.02e+05 / 85
p0 2.188e−11 ± 2.52e−14
1
0.8
0.6
0.4
0.2
0

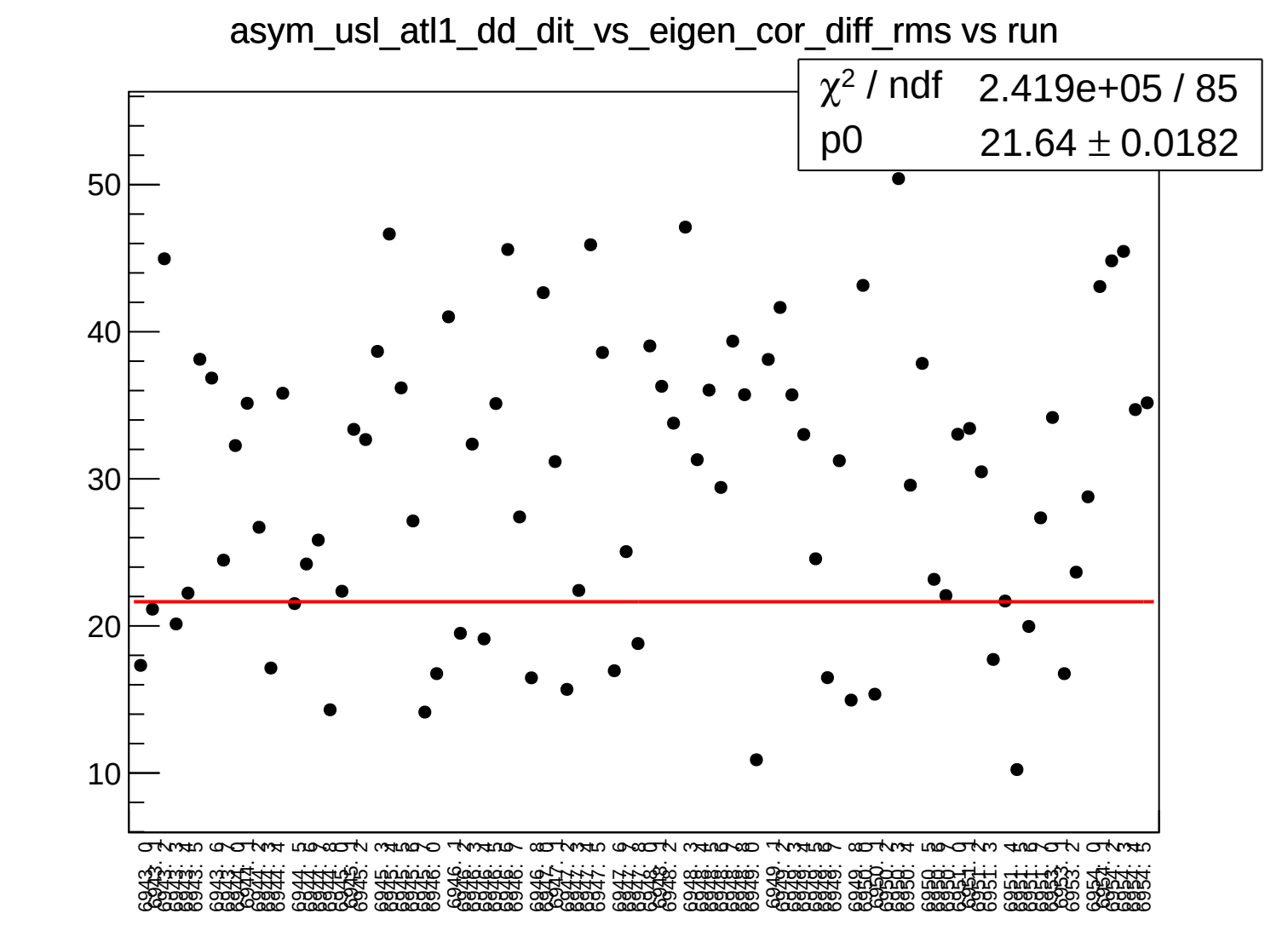

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.02114 ± 0.02574
pull
Entries 86
Mean 65.27
Std Dev 33.3

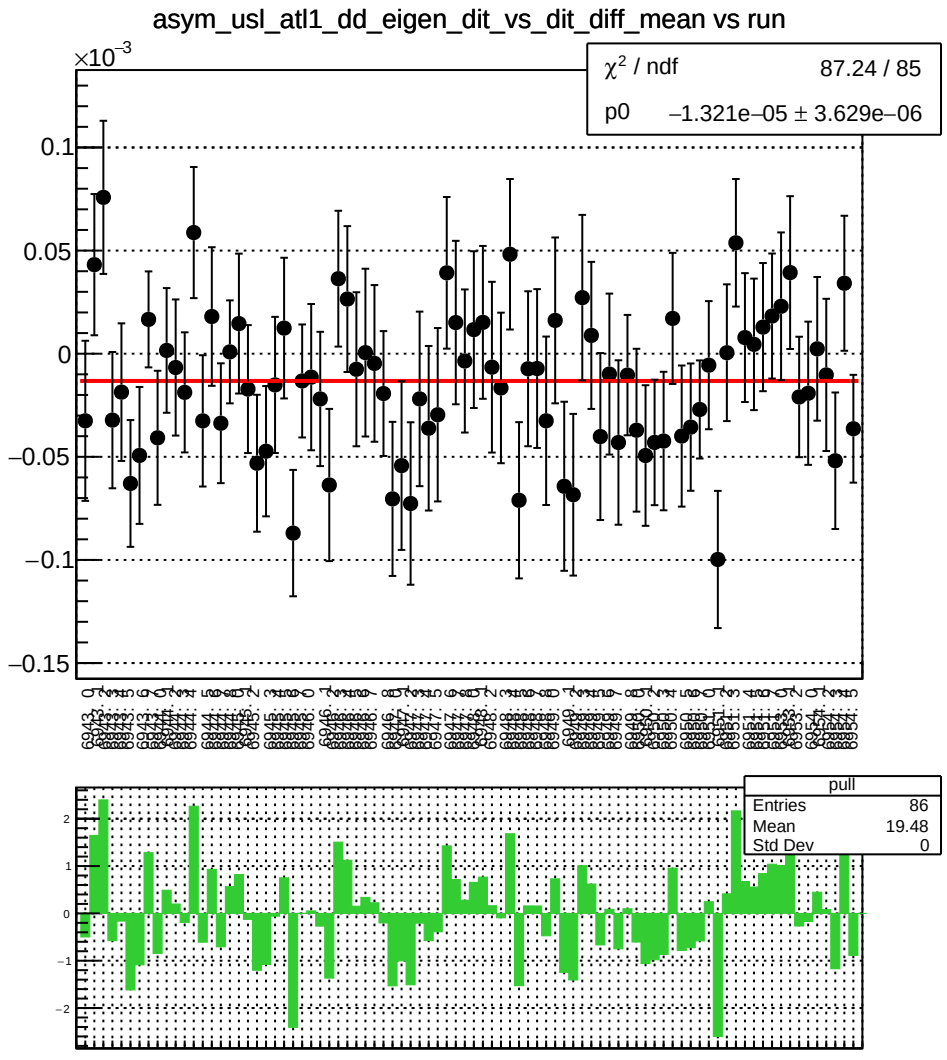

pull1D
Entries 86
Mean 0.06429
Std Dev 1.147

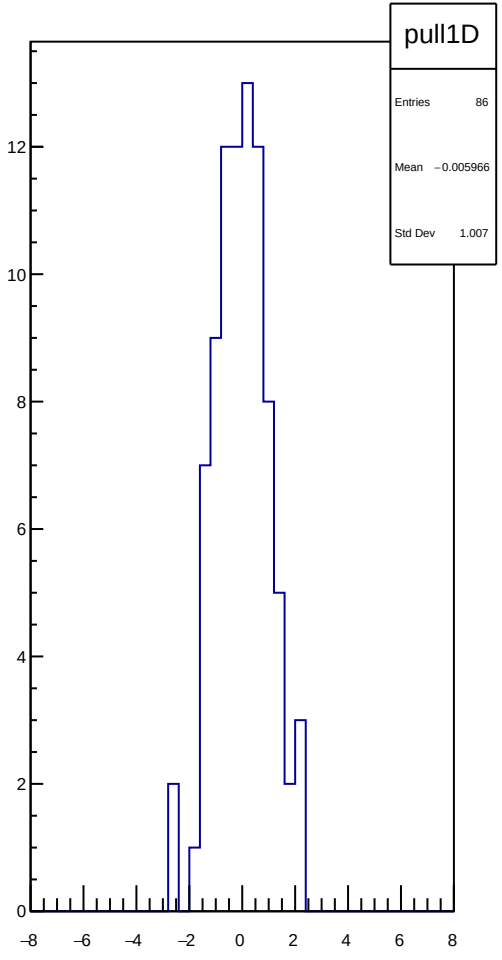

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.419e+05 / 85
p0 21.64 ± 0.0182
50
40
30
20
10

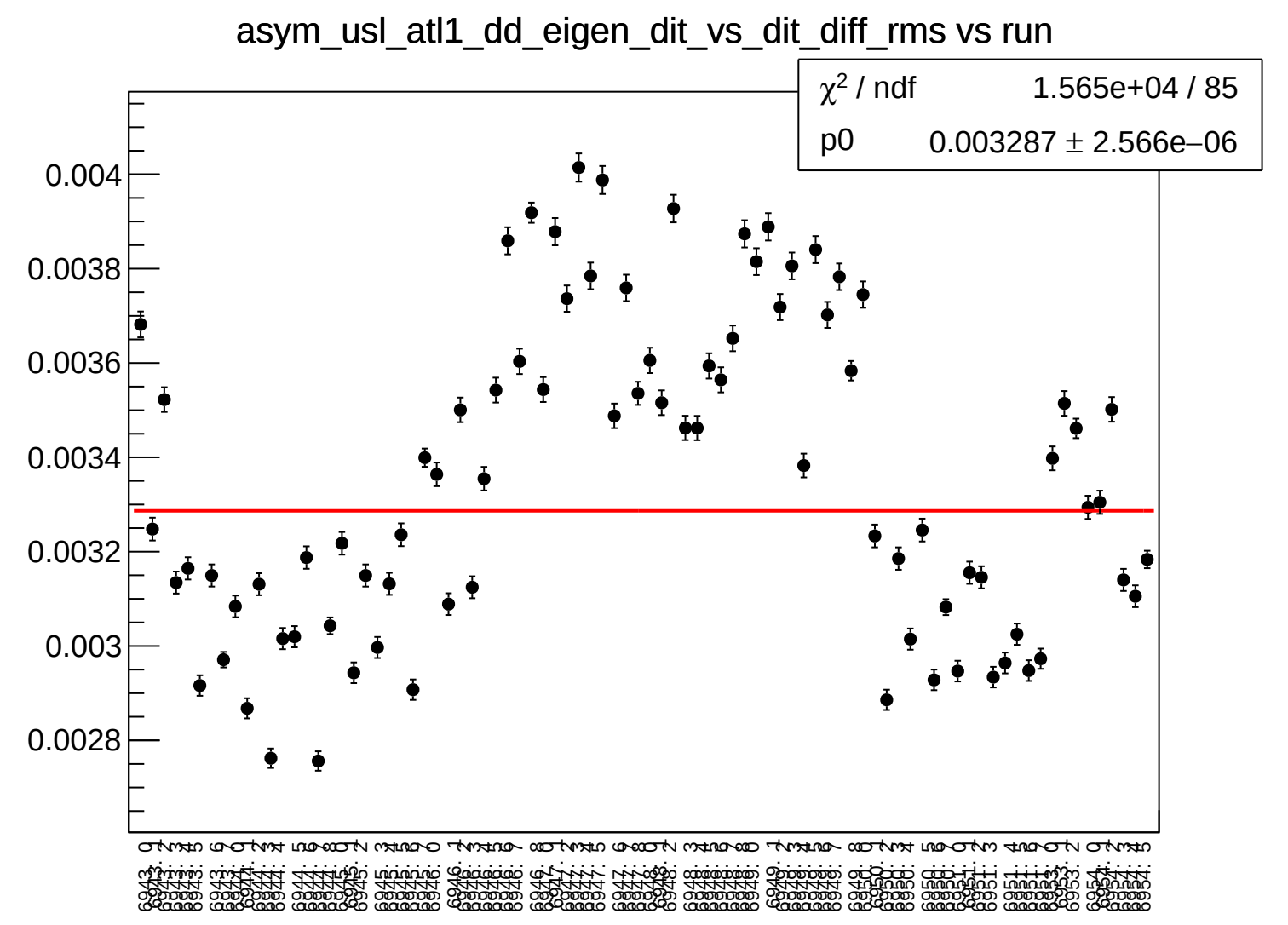

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.02114 ± 0.02574
pull
Entries 86
Mean 65.27
Std Dev 33.3

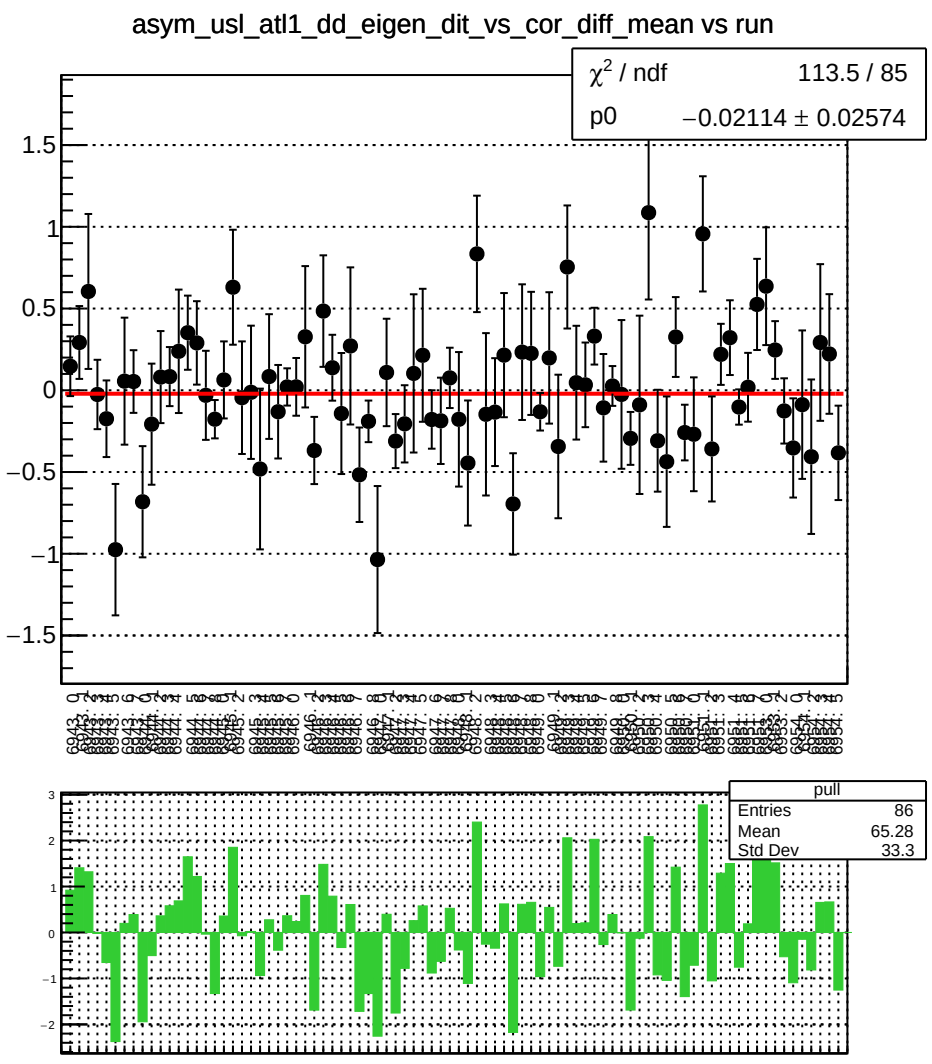

pull1D
Entries 86
Mean 0.06429
Std Dev 1.147

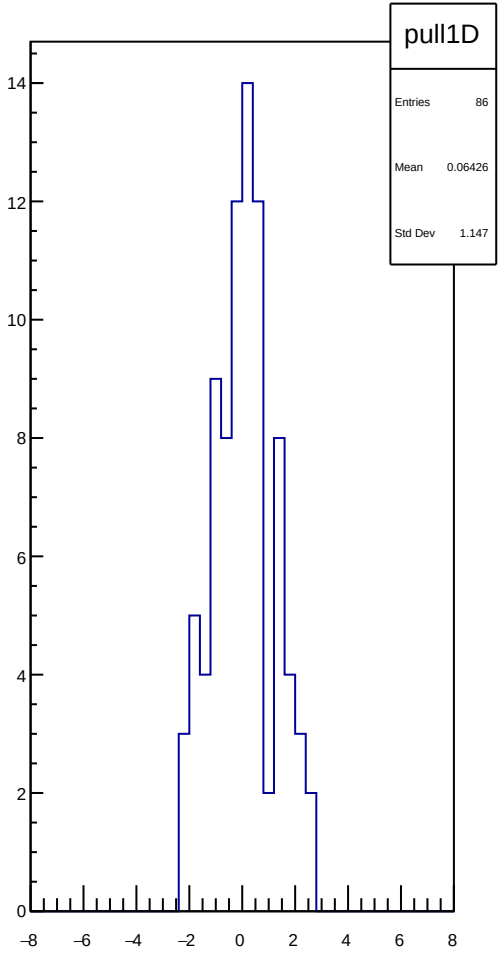

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.419e+05 / 85
p0 21.64 ± 0.0182
50
40
30
20
10

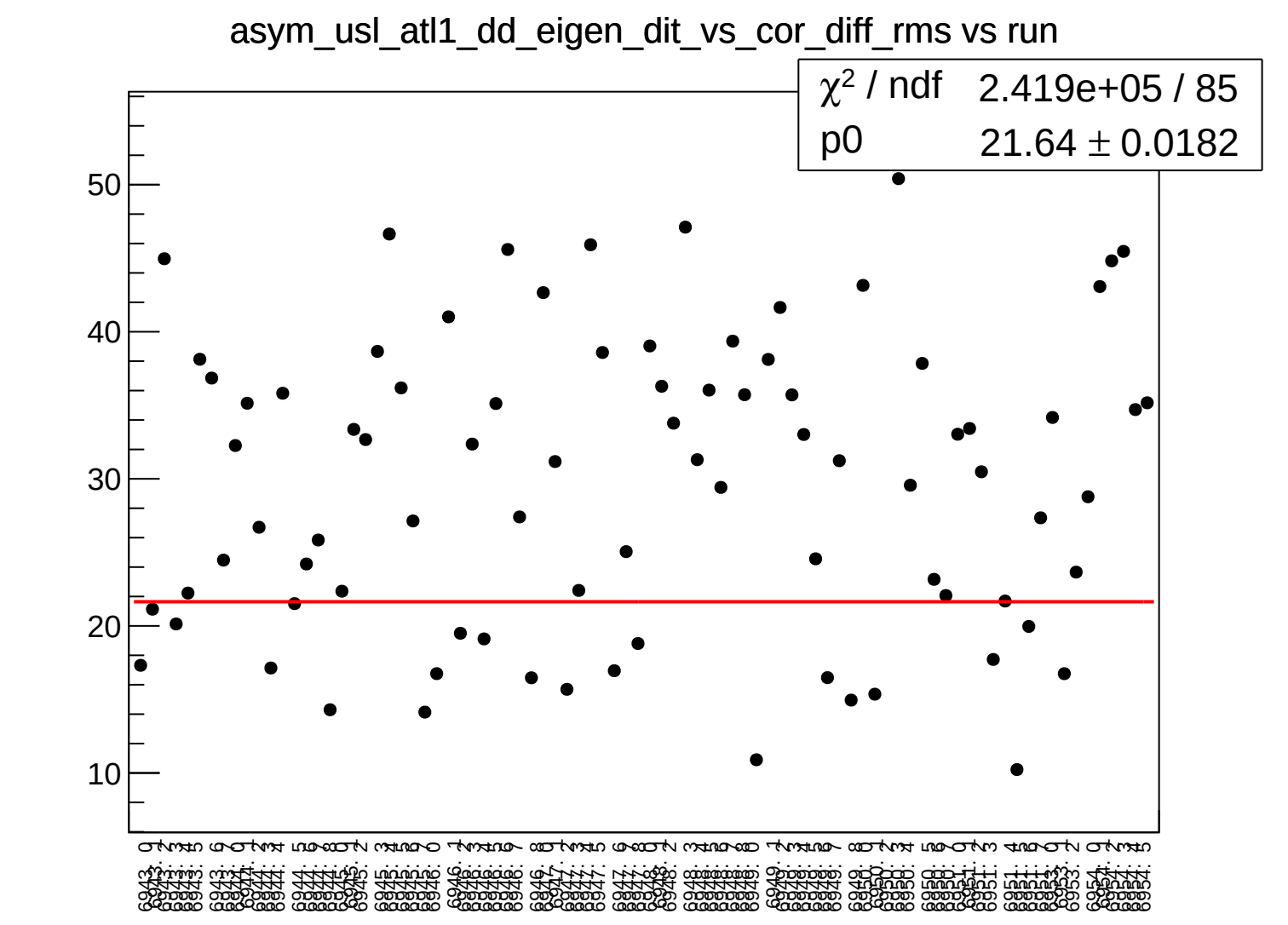

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.24 / 85
p0 −1.321e−05 ± 3.629e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 19.48
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.005966
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

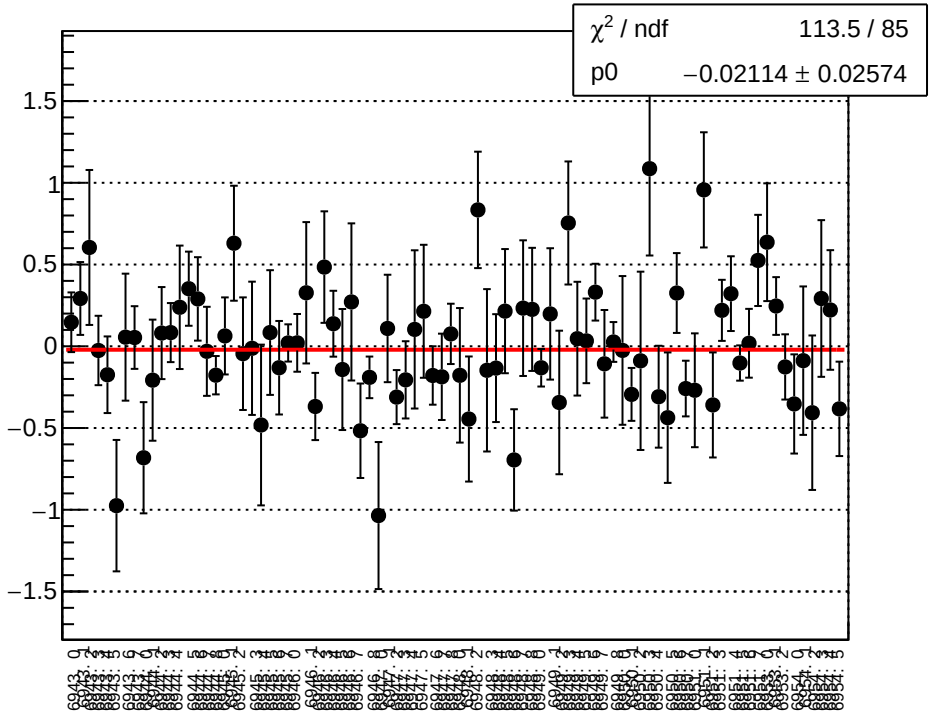

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.565e+04 / 85
p0 0.003287 ± 2.566e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

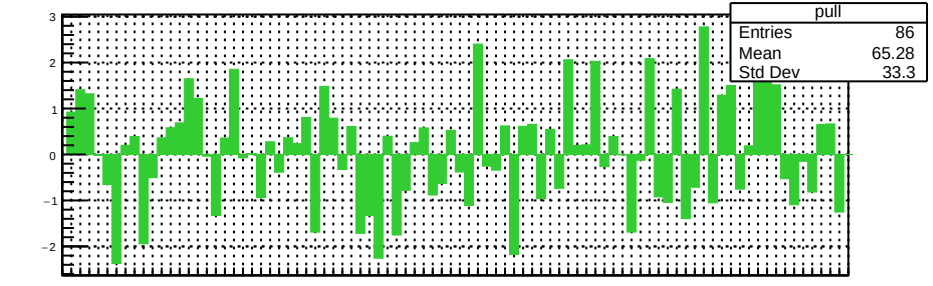

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.02114 ± 0.02574
pull
Entries 86
Mean 65.28
Std Dev 33.3

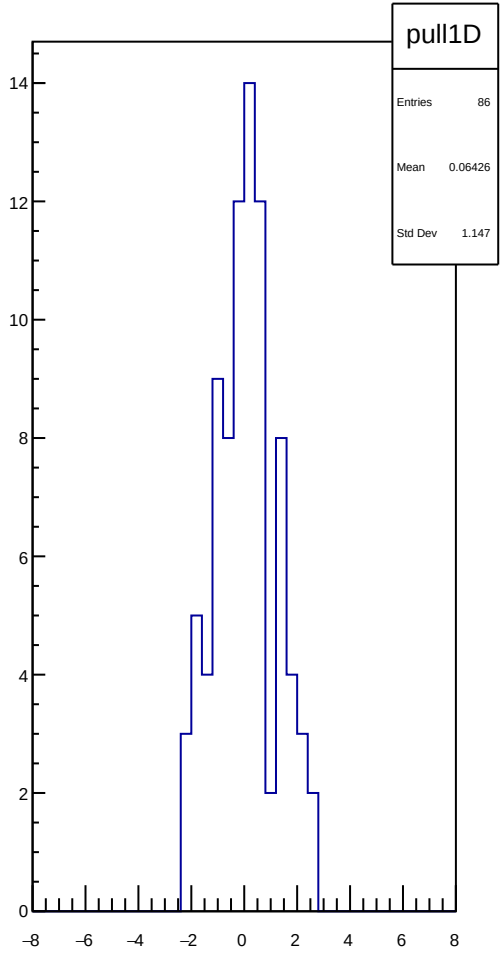

pull1D
Entries 86
Mean 0.06426
Std Dev 1.147

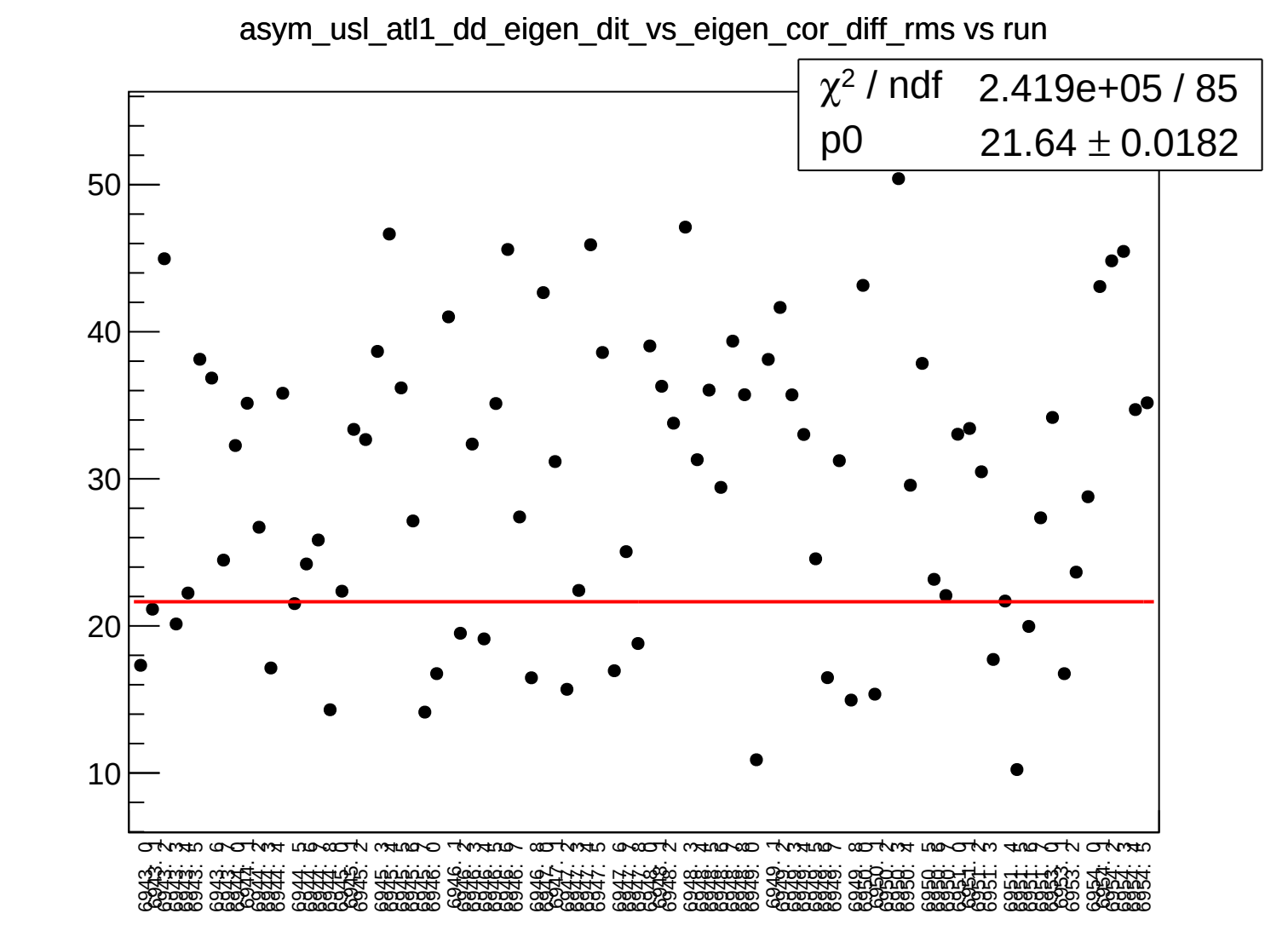

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.419e+05 / 85
p0 21.64 ± 0.0182
50
40
30
20
10

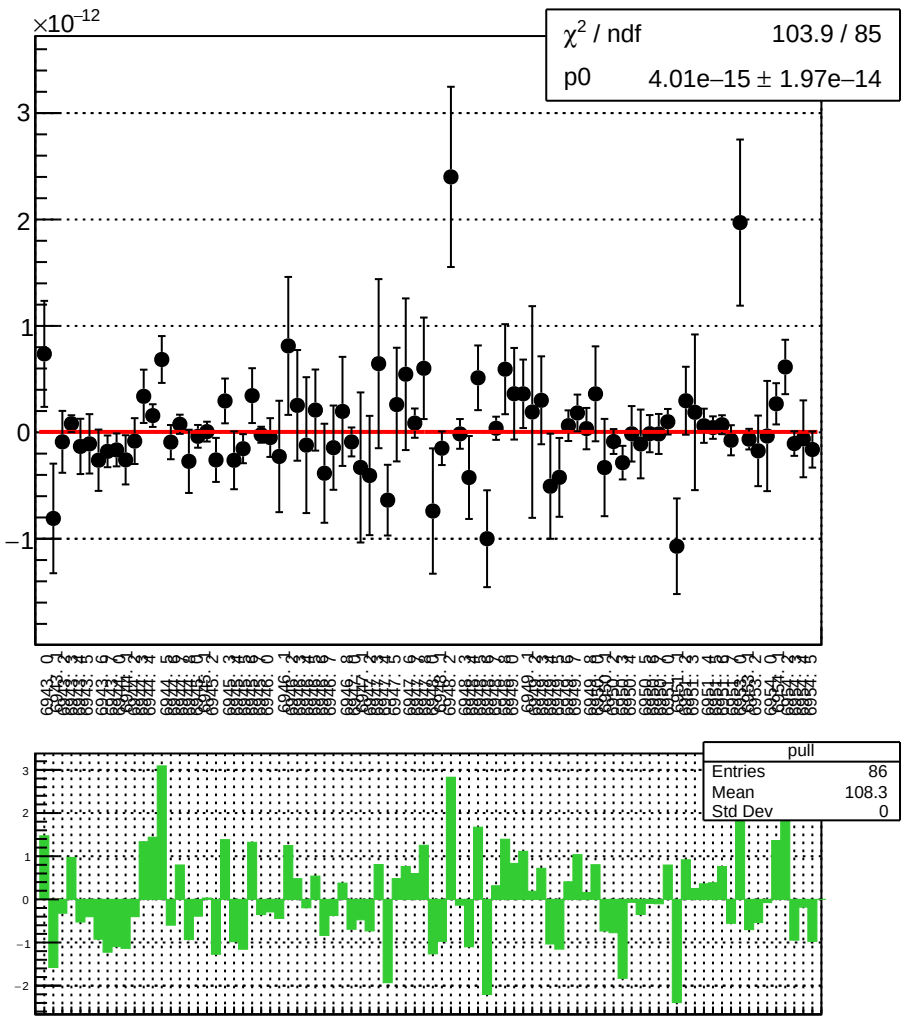
asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

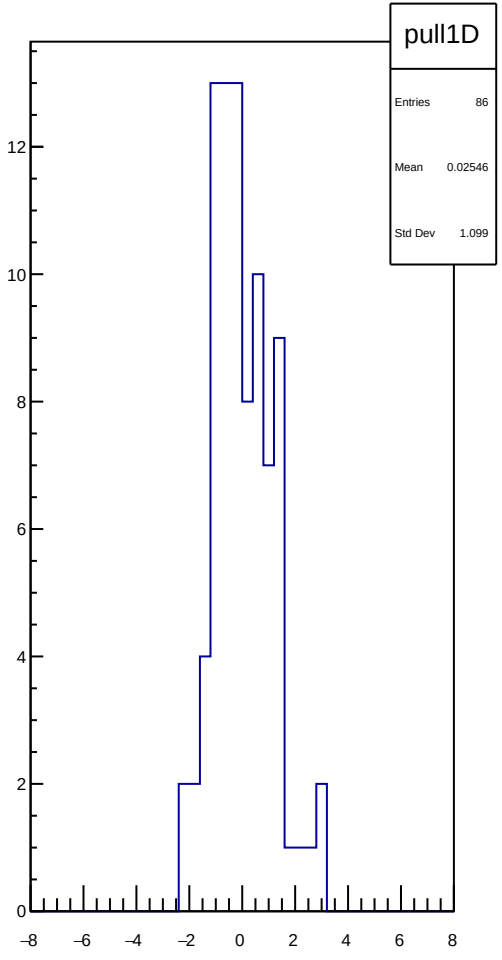


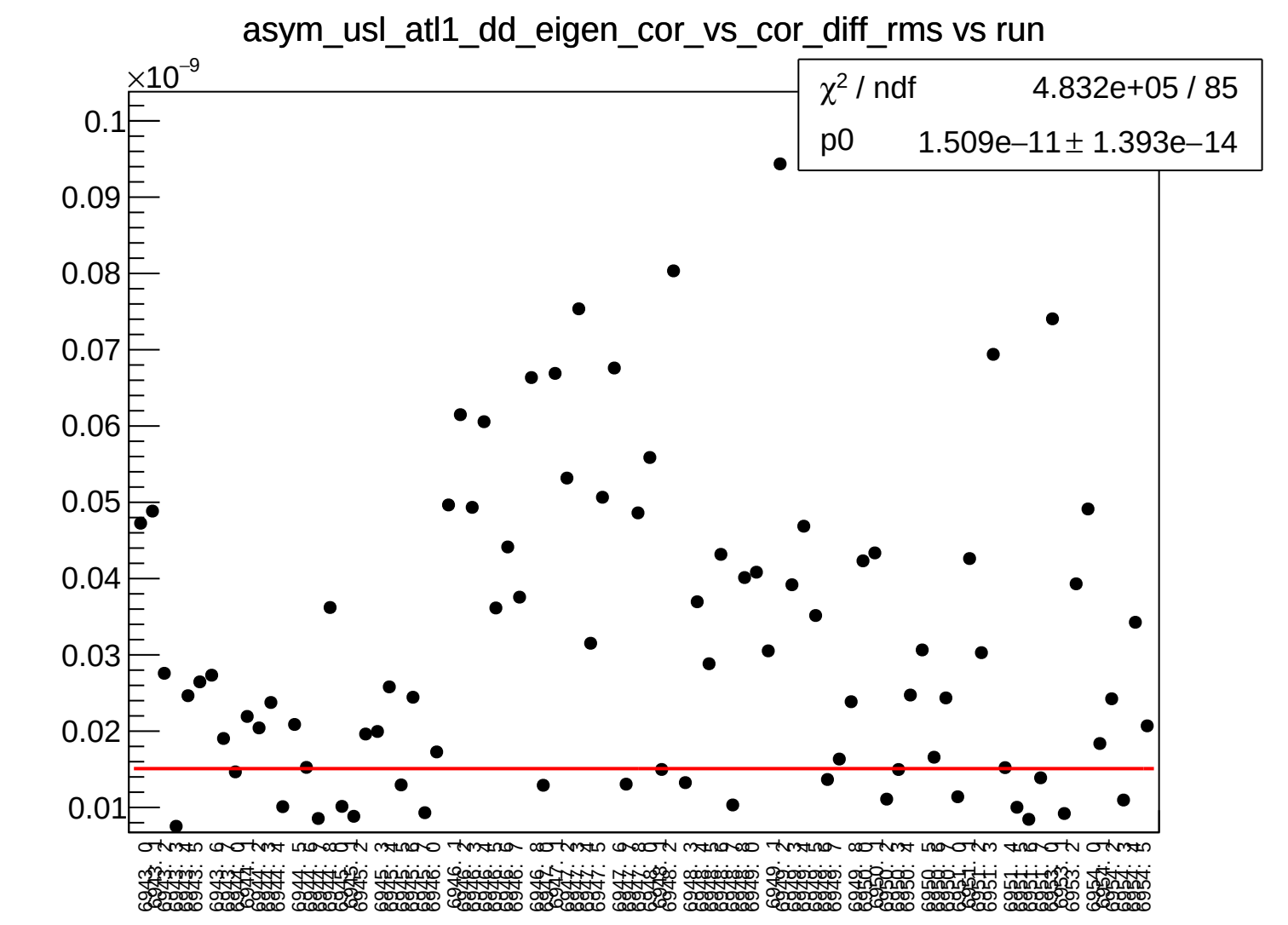


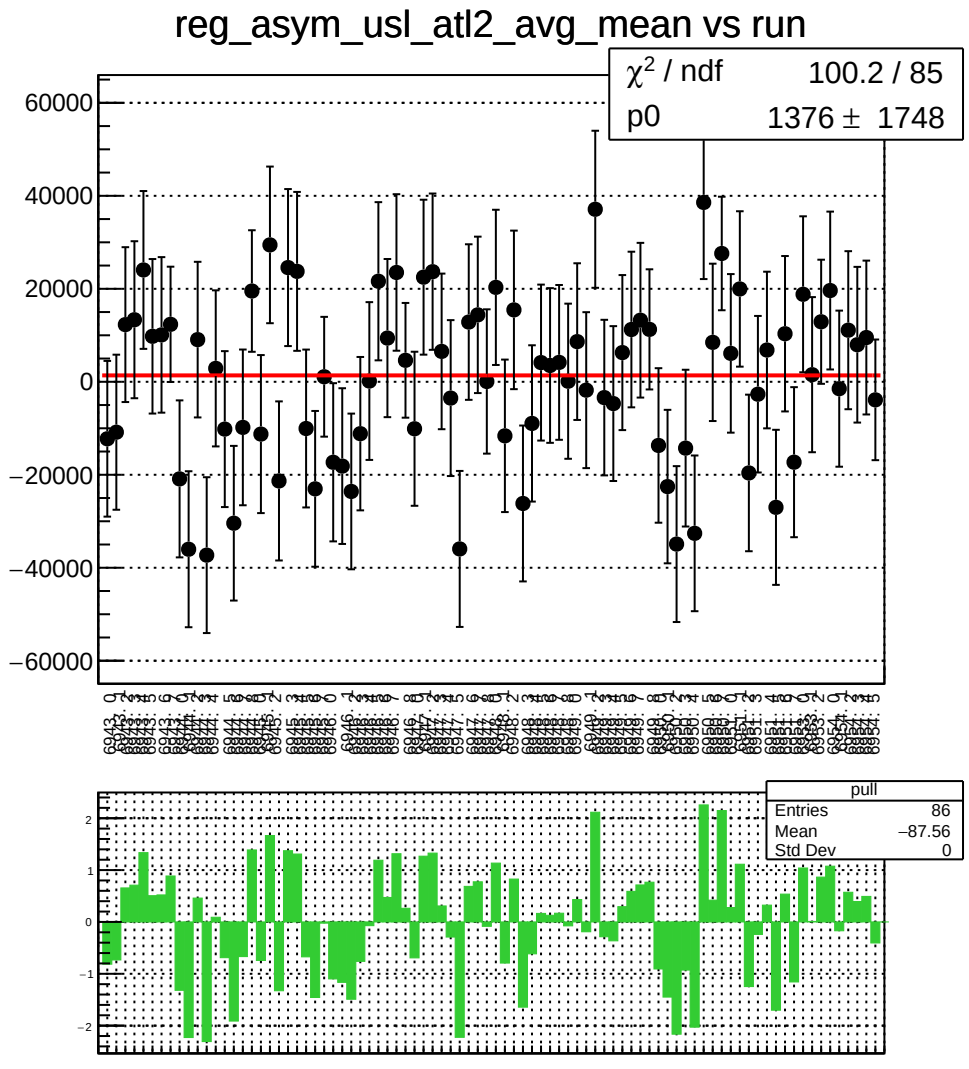


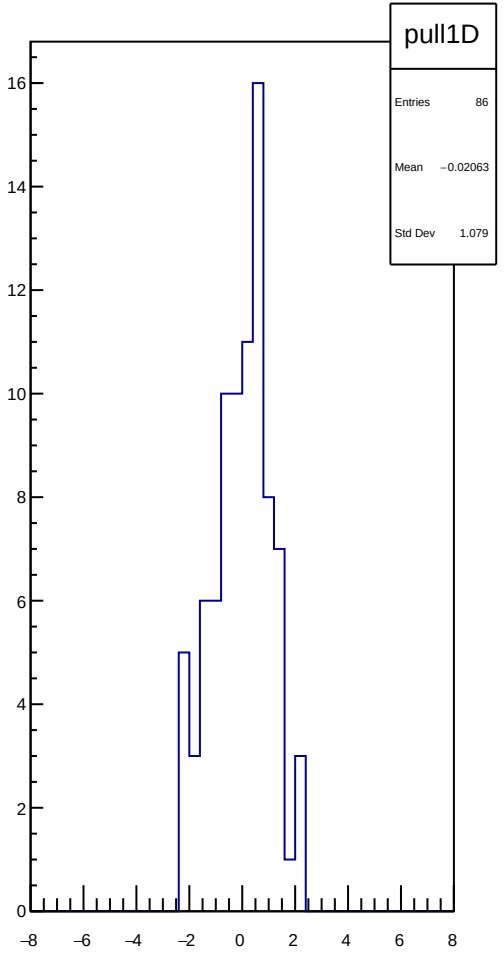

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.419e+05 / 85
p0 21.64 ± 0.0182
50
40
30
20
10

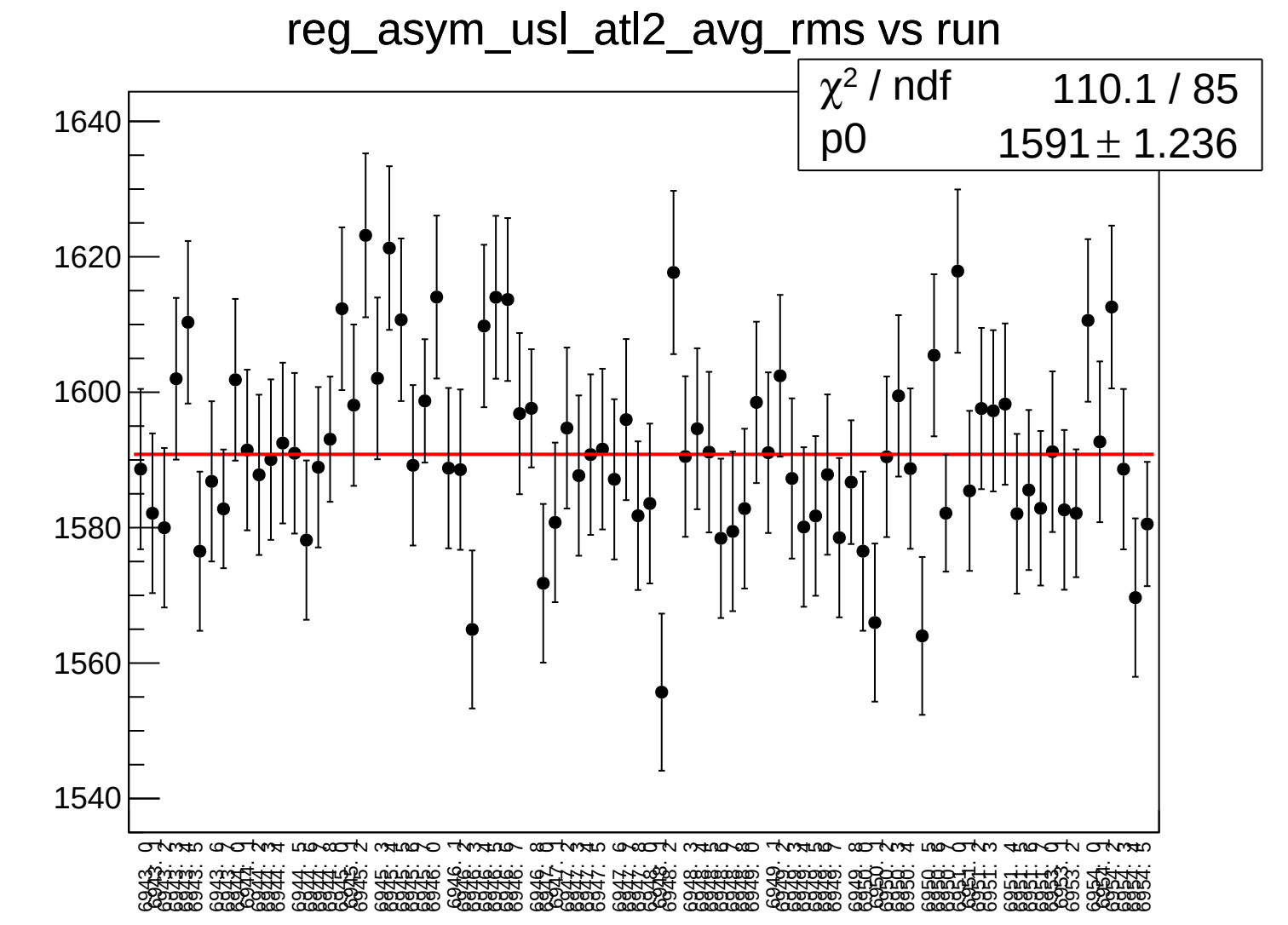

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.9 / 85
p0 4.01e−15 ± 1.97e−14
pull
Entries 86
Mean 108.3
Std Dev 0

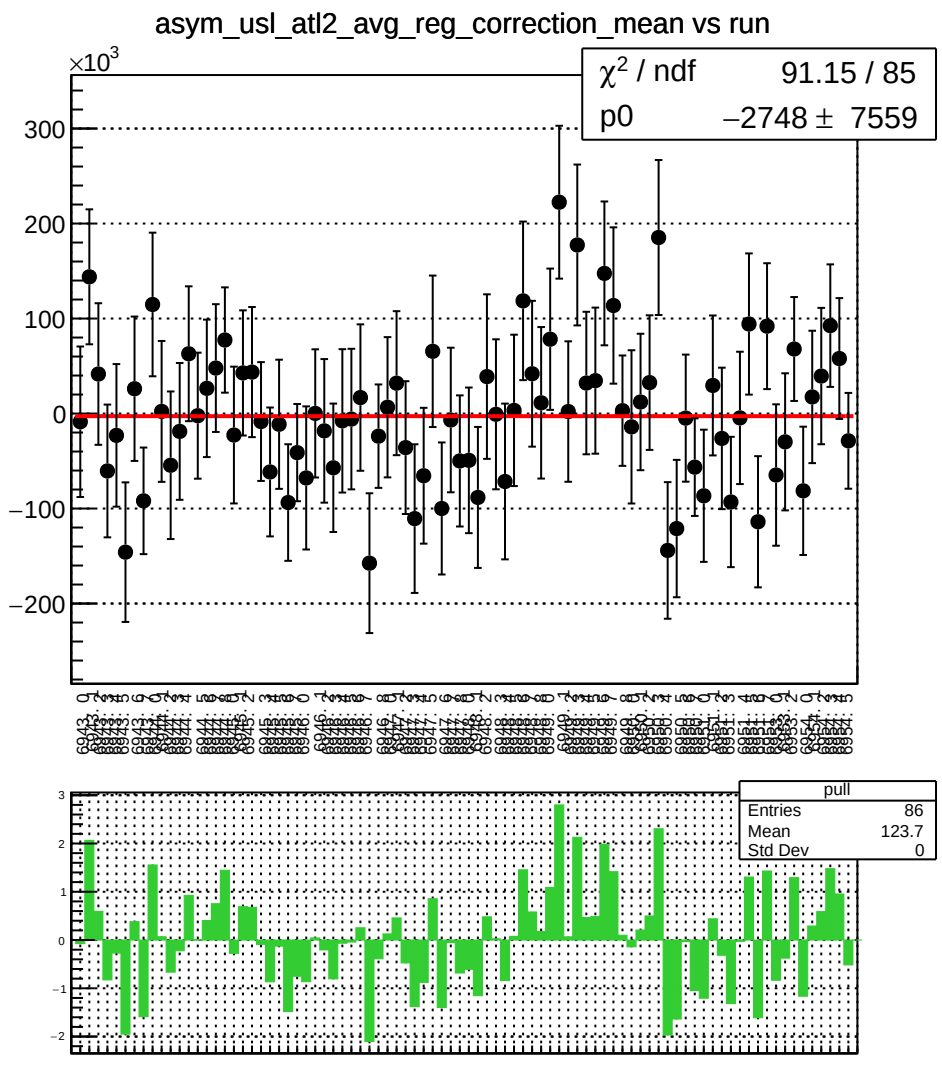

pull1D
Entries 86
Mean 0.02546
Std Dev 1.099

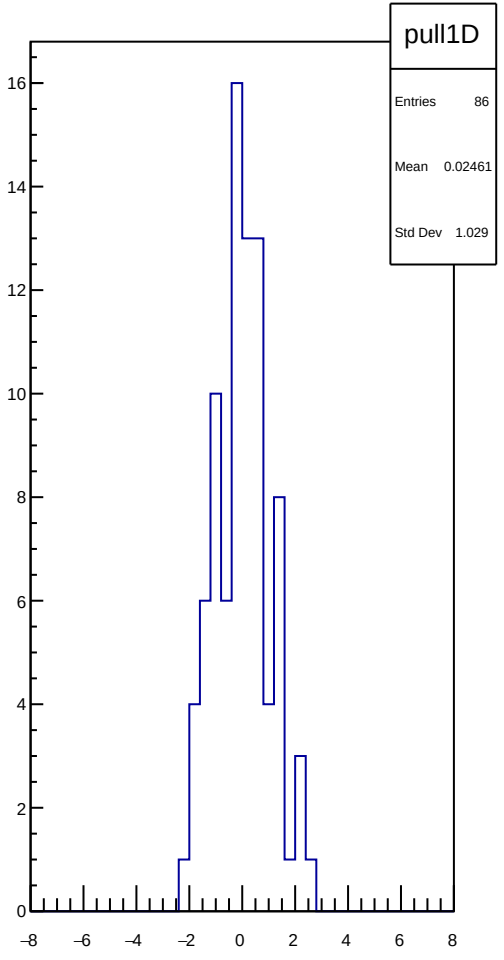

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.832e+05 / 85
p0 1.509e−11 ± 1.393e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

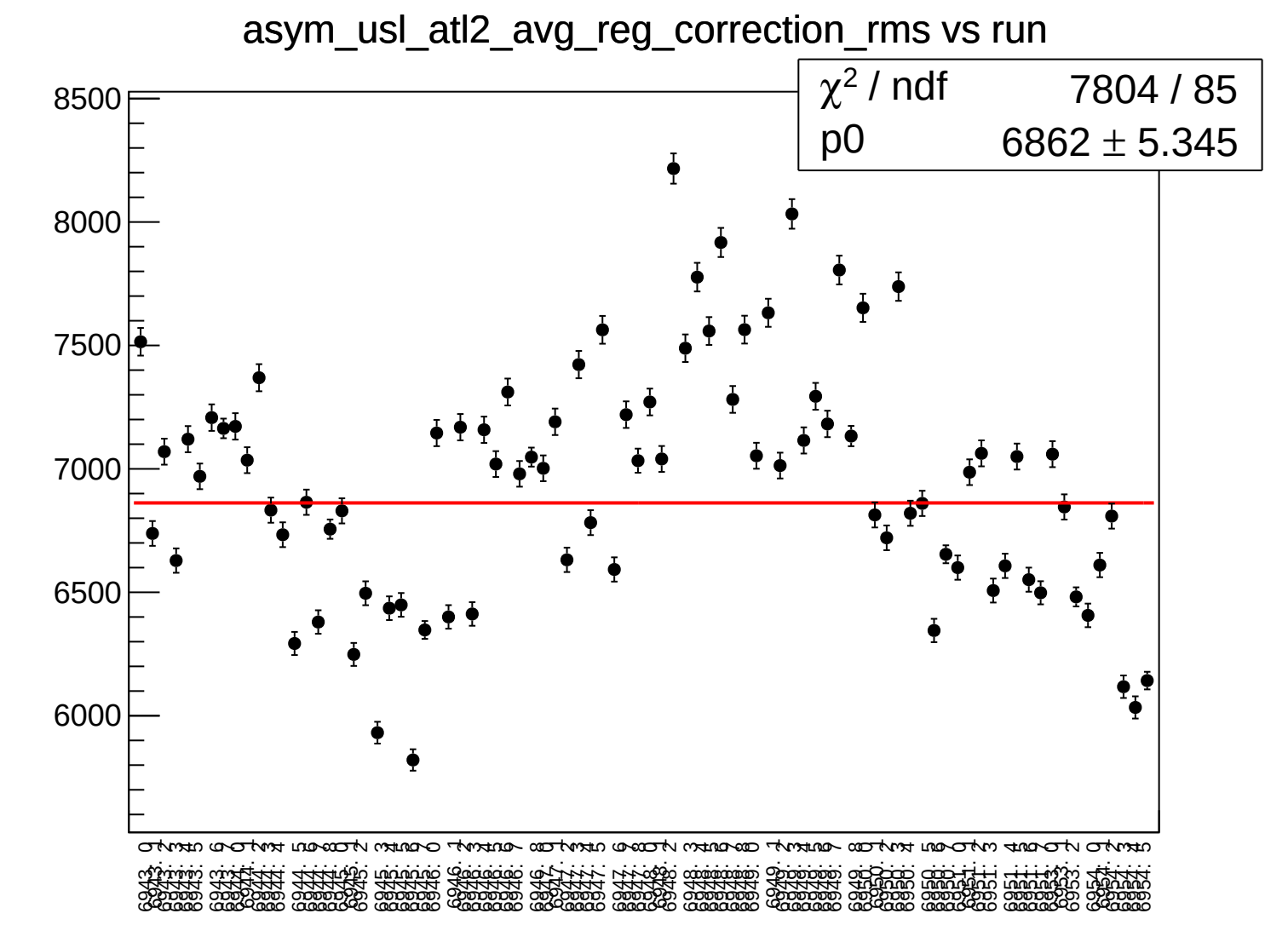

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 100.2 / 85
p0 1376 ± 1748
pull
Entries 86
Mean −87.56
Std Dev 0

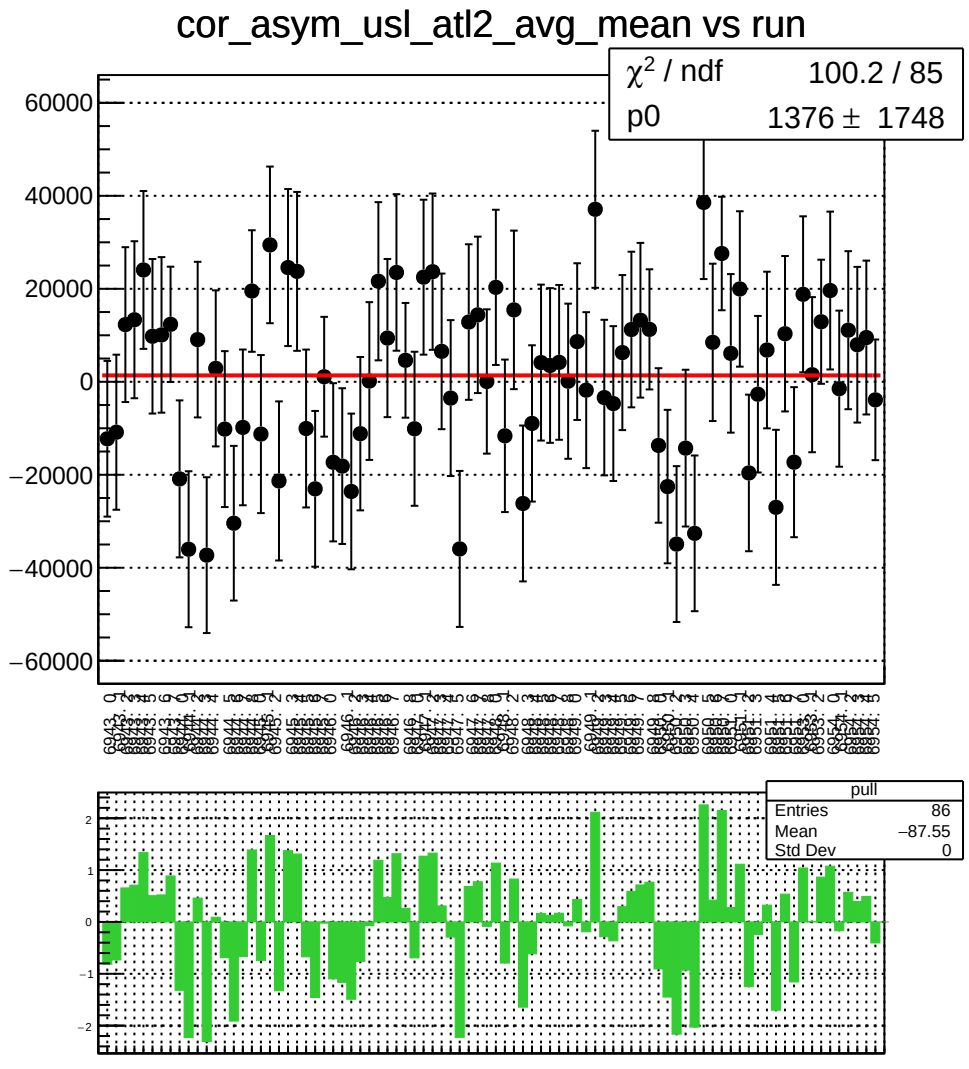

pull1D
Entries 86
Mean −0.02063
Std Dev 1.079

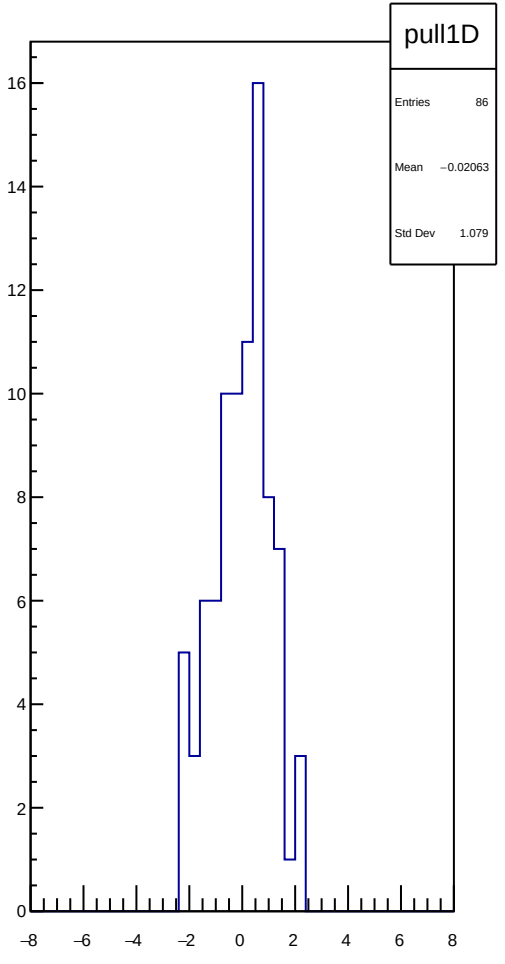

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 110.1 / 85
p0 1591 ± 1.236
1640
1620
1600
1580
1560
1540

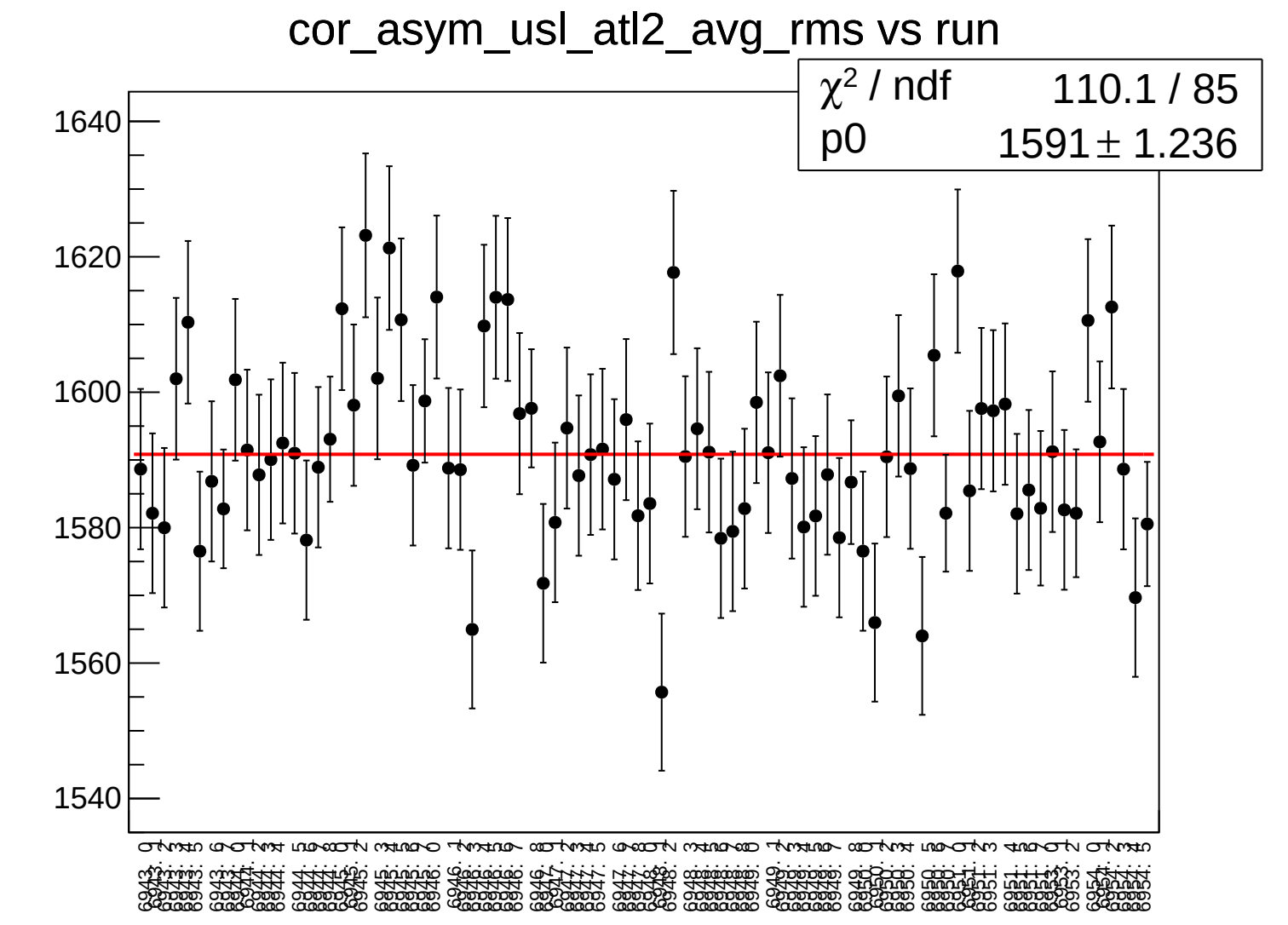

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91.15 / 85
p0 −2748 ± 7559
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.7
Std Dev 0
3
2
1
0
−1
−2

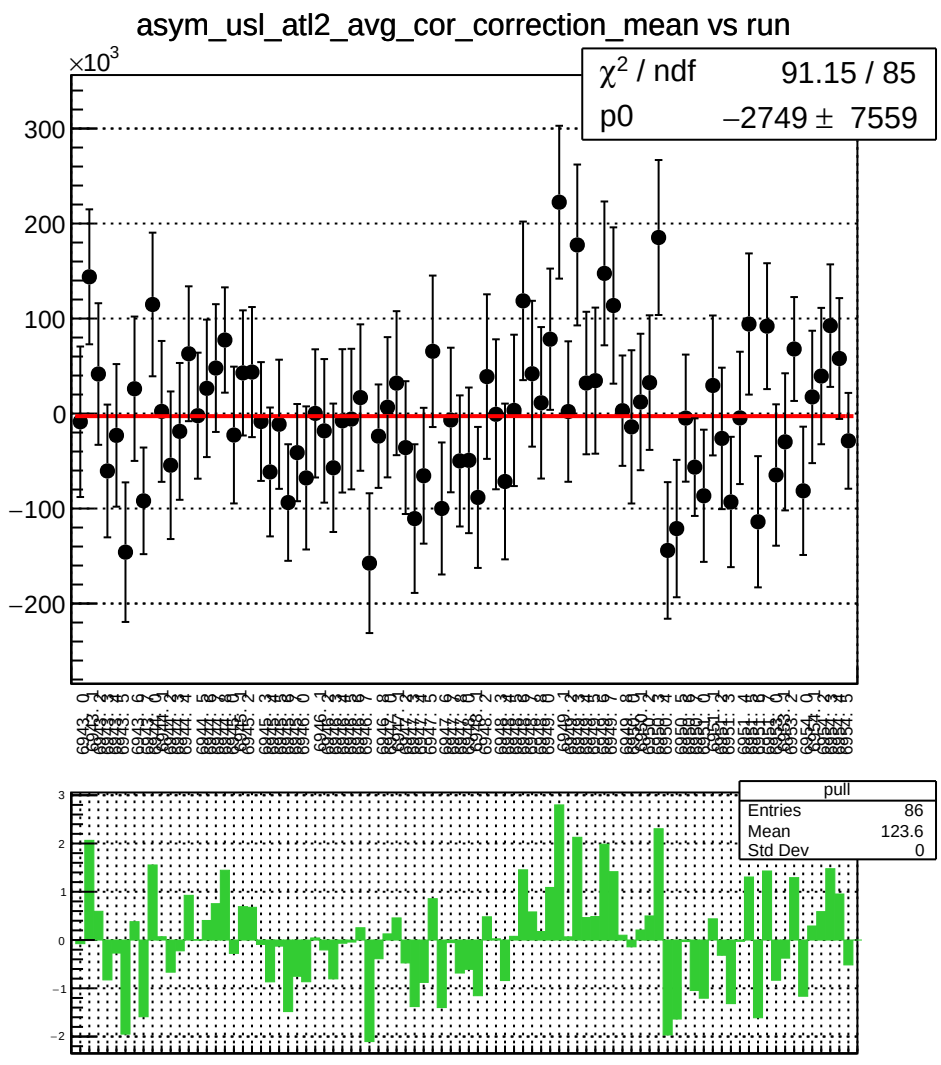

pull1D
Entries 86
Mean 0.02461
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

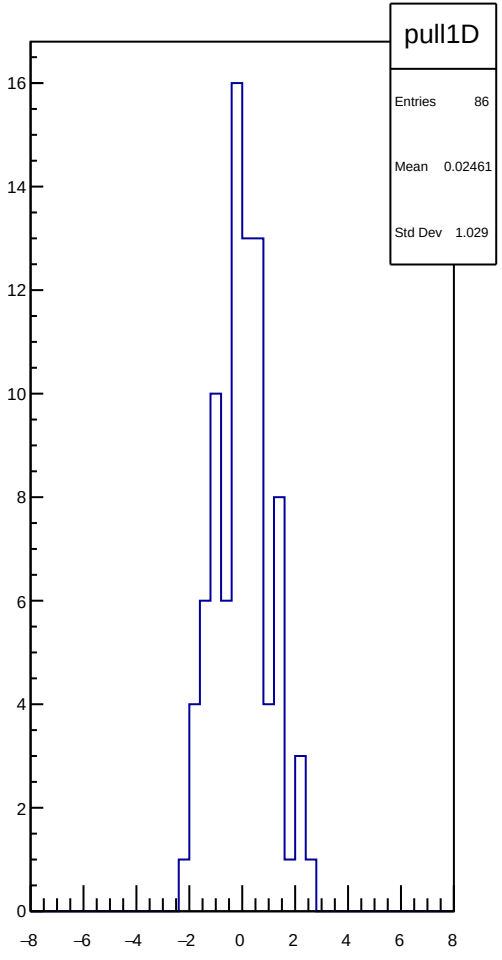

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 7804 / 85
p0 6862 ± 5.345
8500
8000
7500
7000
6500
6000

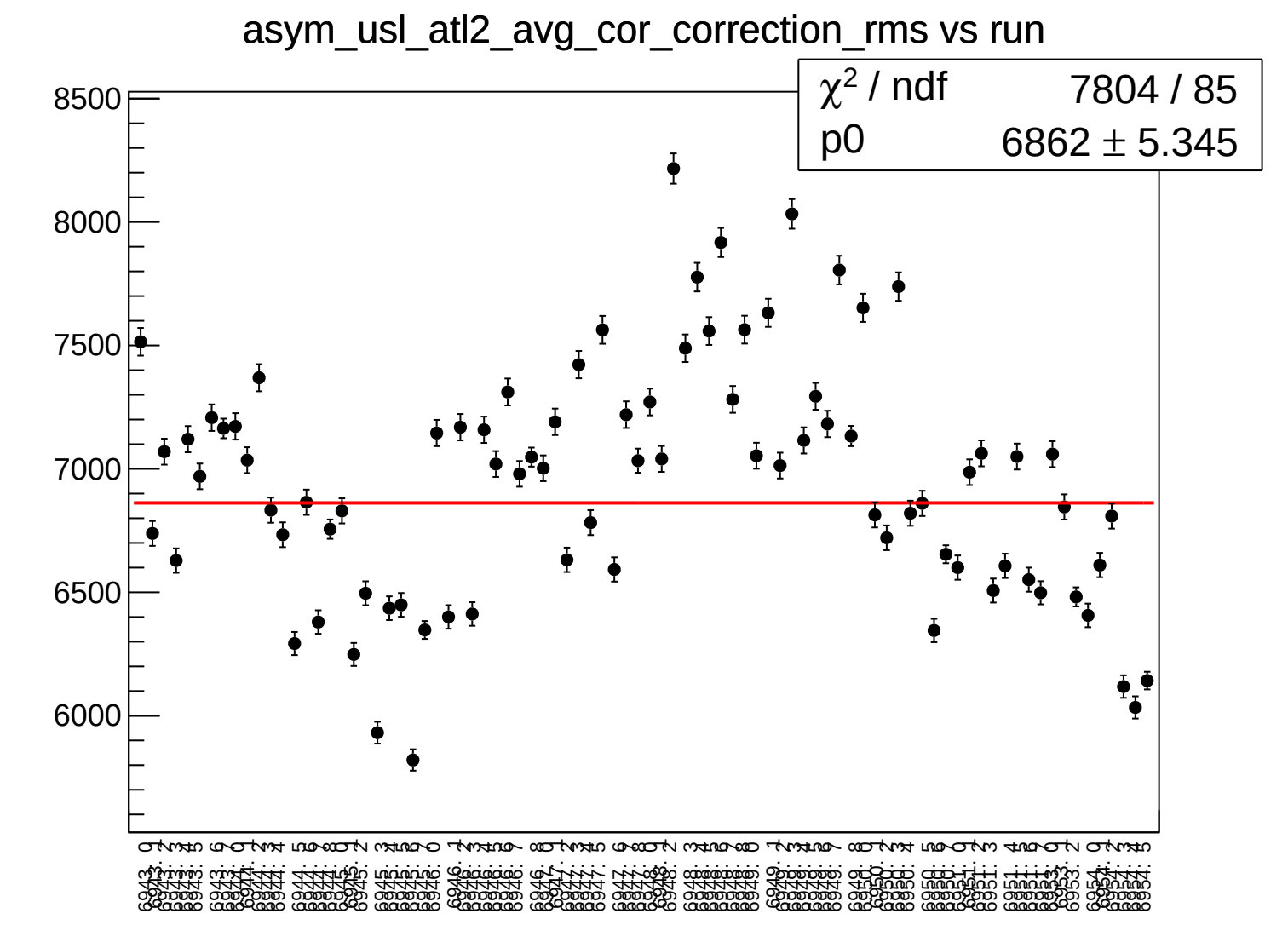

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 100.2 / 85
p0 1376 ± 1748
pull
Entries 86
Mean −87.55
Std Dev 0

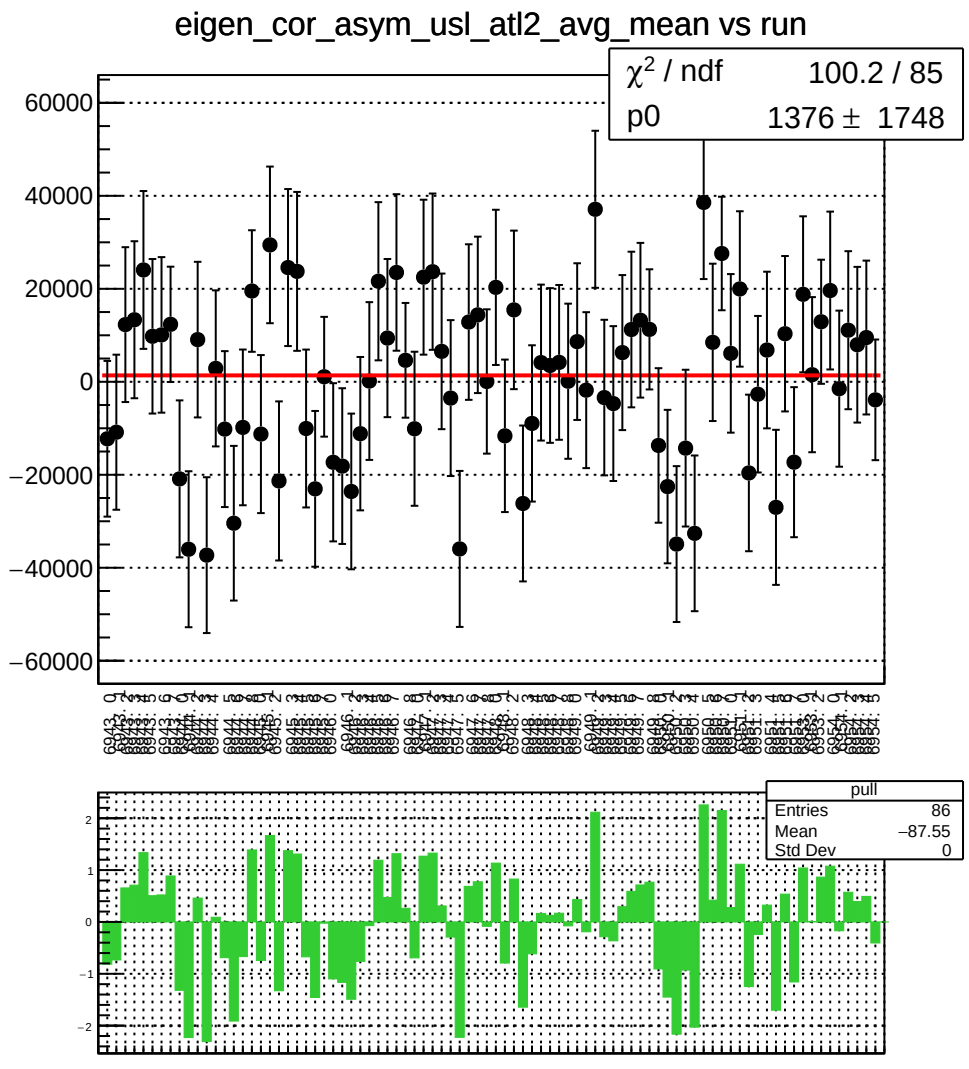

pull1D
Entries 86
Mean −0.02063
Std Dev 1.079

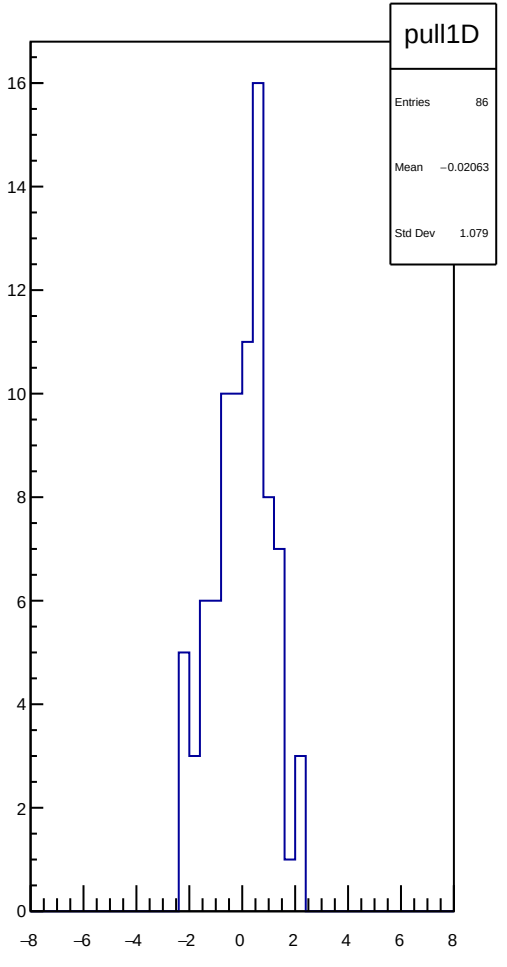

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 110.1 / 85
p0 1591 ± 1.236
1640
1620
1600
1580
1560
1540

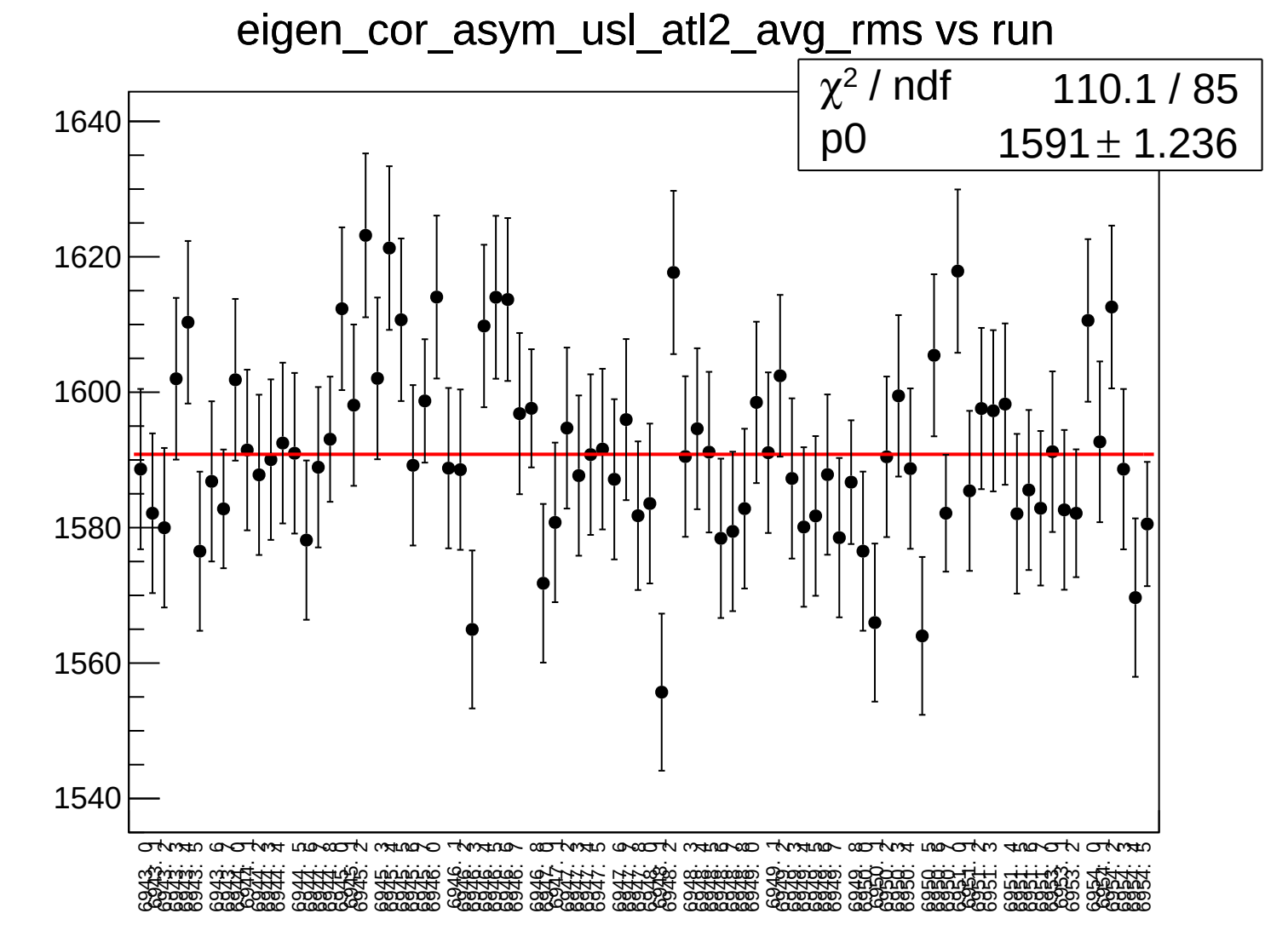

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.15 / 85
p0 −2749 ± 7559
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.6
Std Dev 0
3
2
1
0
−1
−2

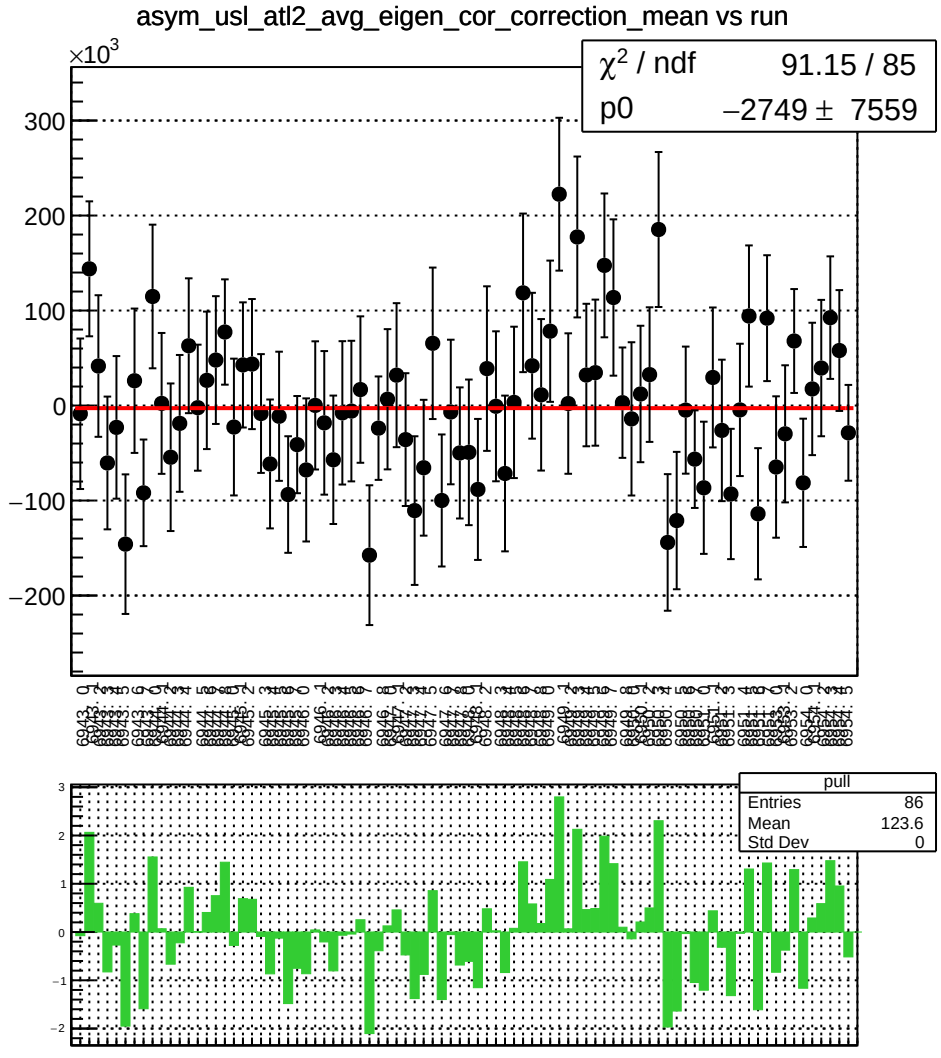

pull1D
Entries 86
Mean 0.02461
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

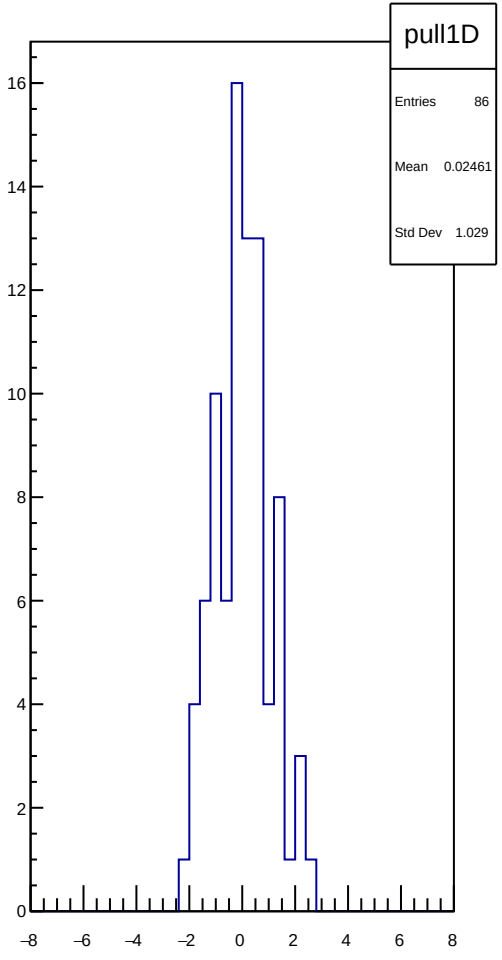

asym_usl_atl2_avg_cor_correction_rms vs run
χ^2 / ndf 7804 / 85
p0 6862 ± 5.345
8500
8000
7500
7000
6500
6000

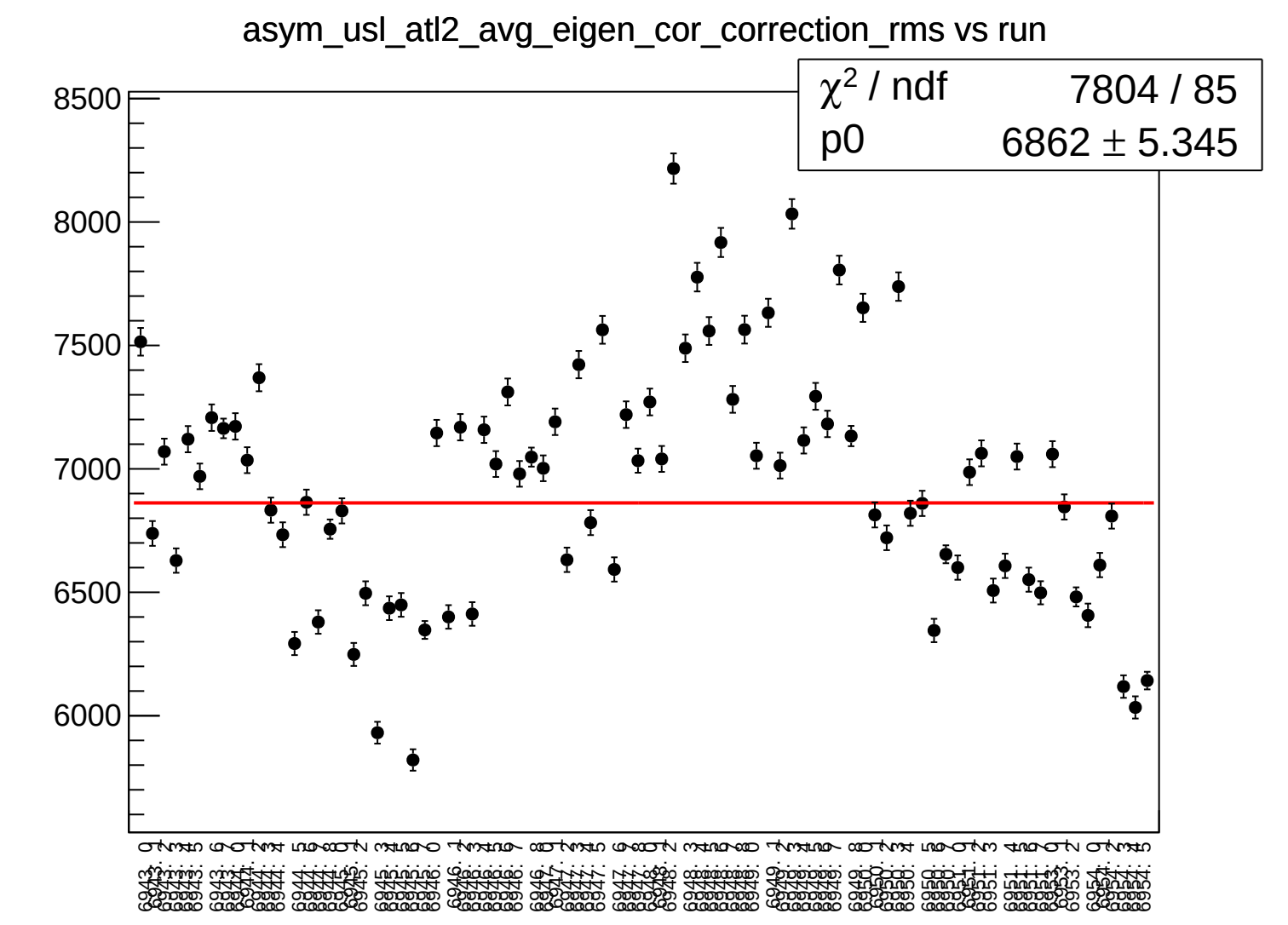

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 100.2 / 85
p0 1376 ± 1748
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −87.55
Std Dev 0
2
1
0
−1
−2

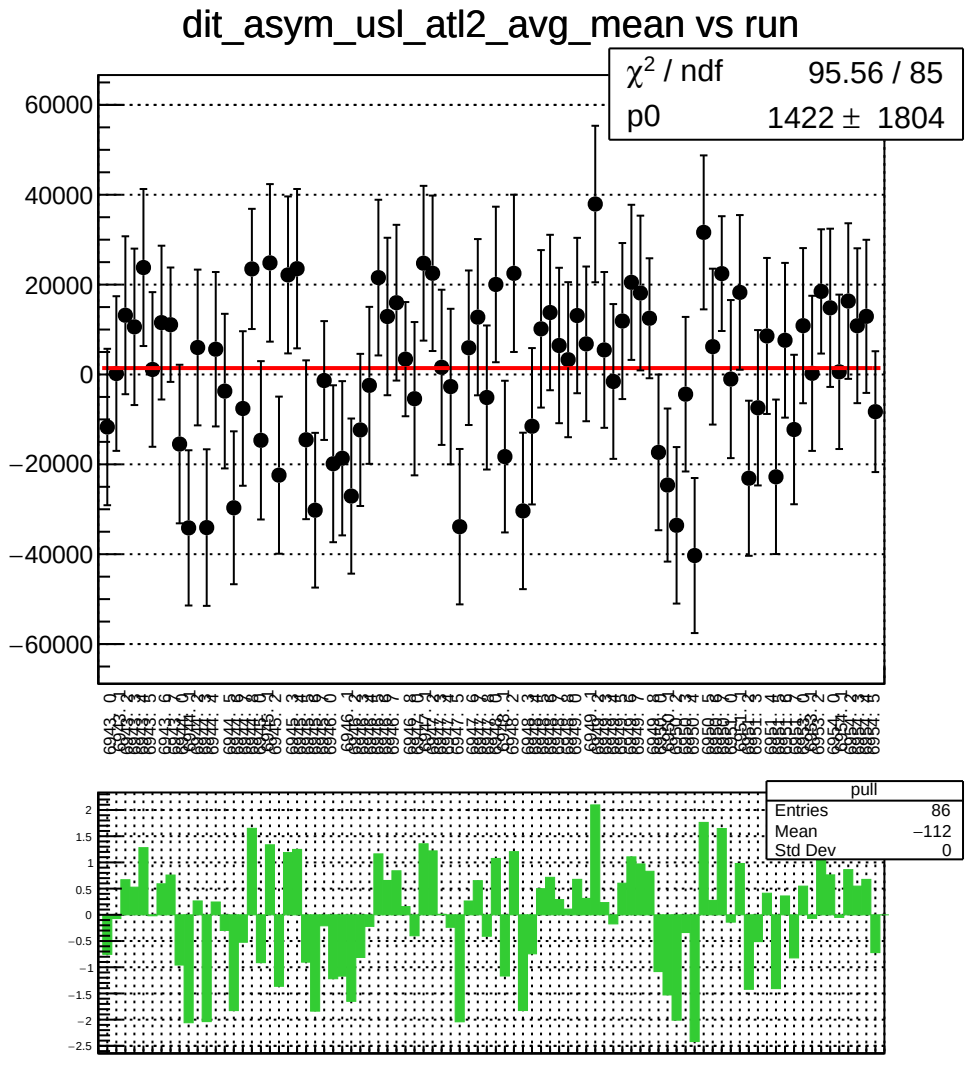

pull1D
Entries 86
Mean −0.02063
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

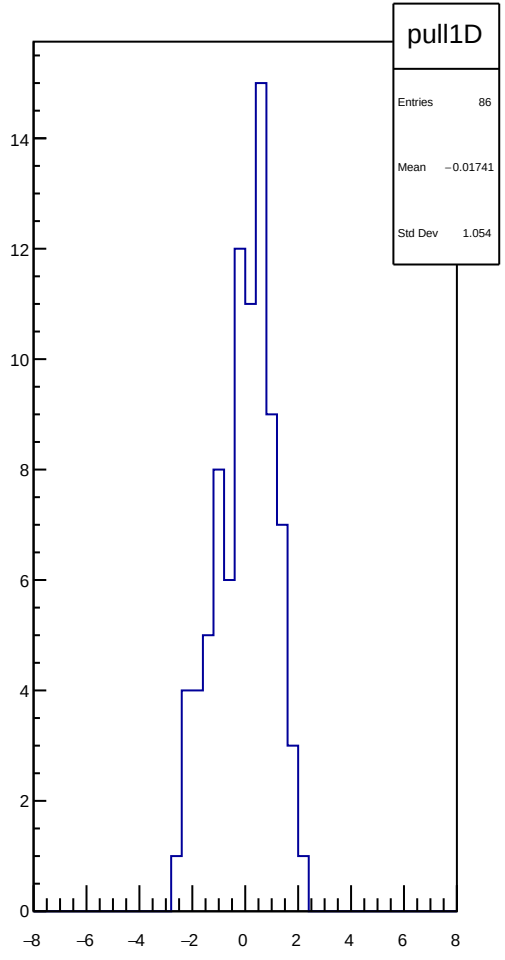

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 110.1 / 85
p0 1591 ± 1.236
1640
1620
1600
1580
1560
1540

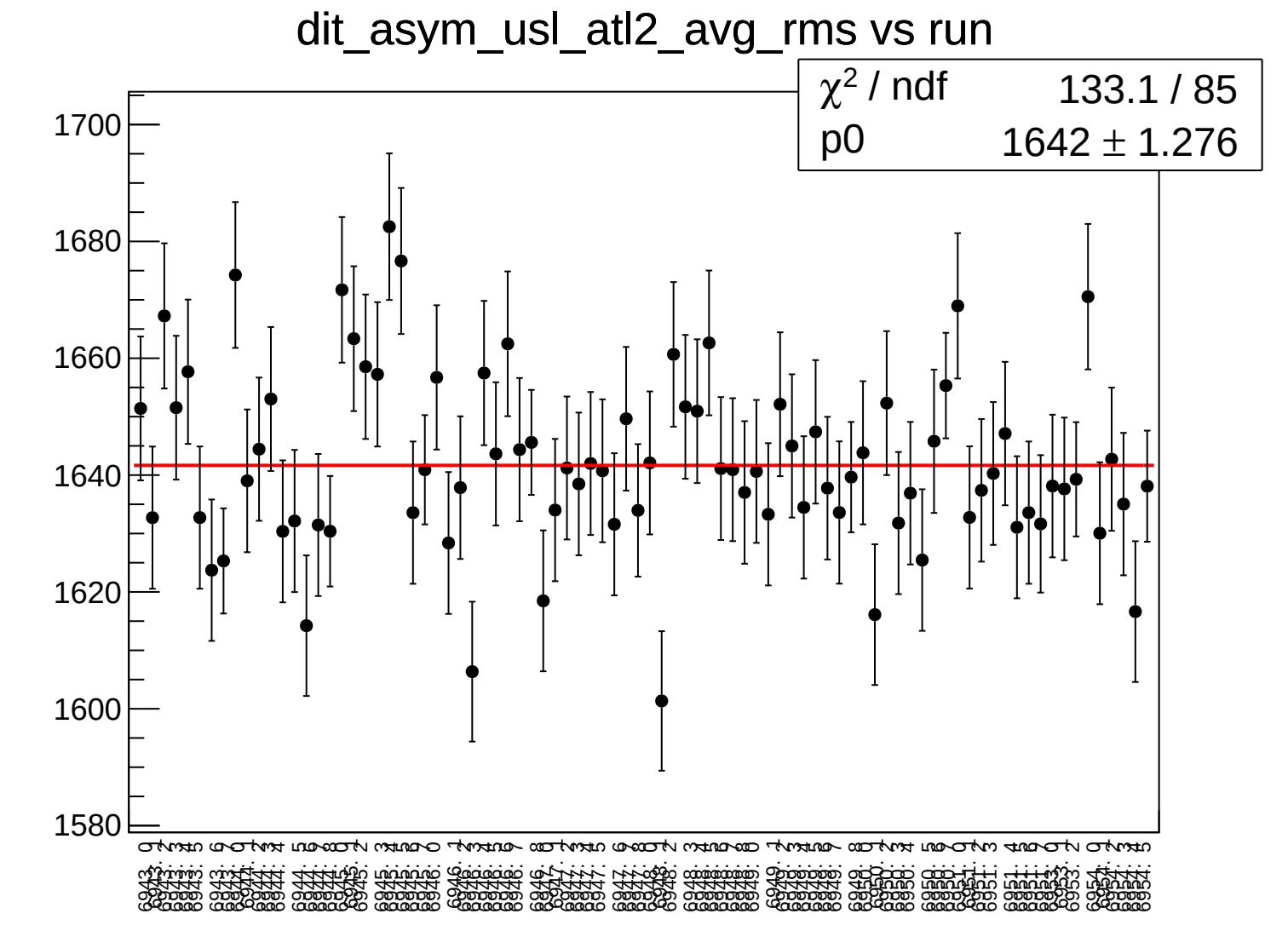

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.15 / 85
p0 −2749 ± 7559
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.6
Std Dev 0
3
2
1
0
−1
−2

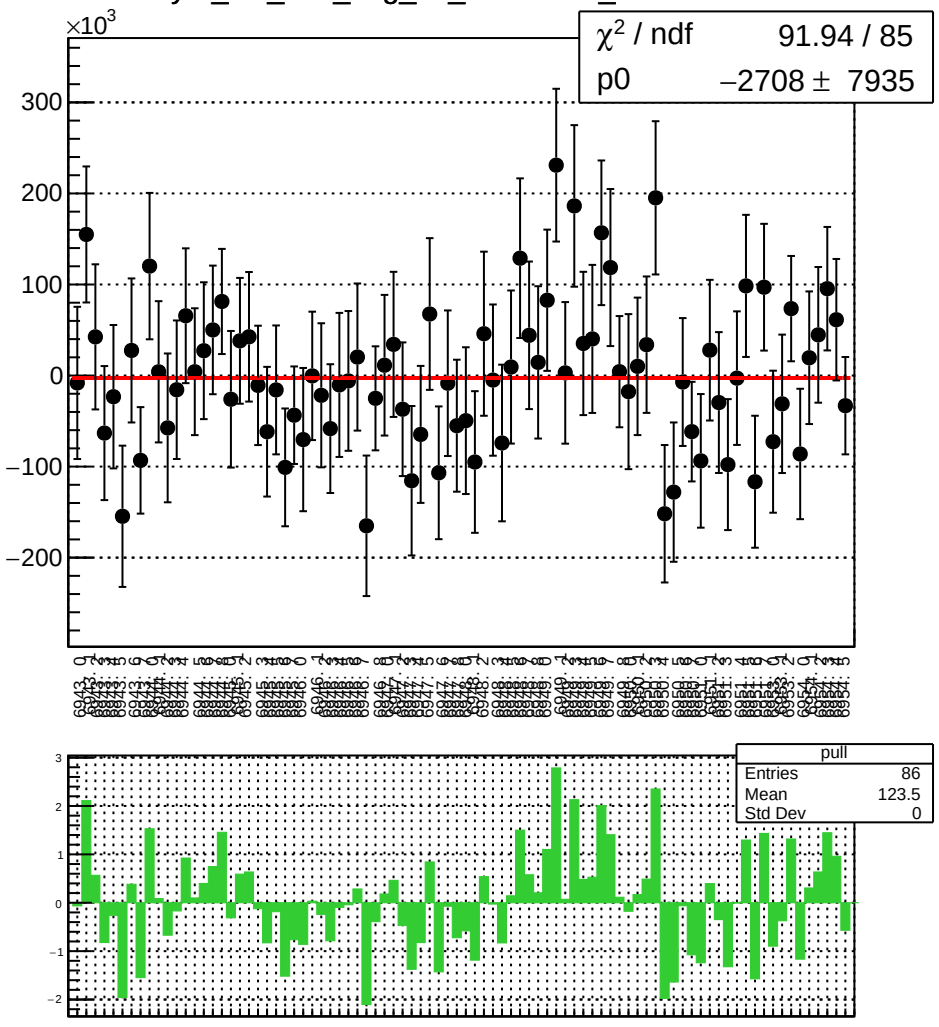

pull1D
Entries 86
Mean 0.02461
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

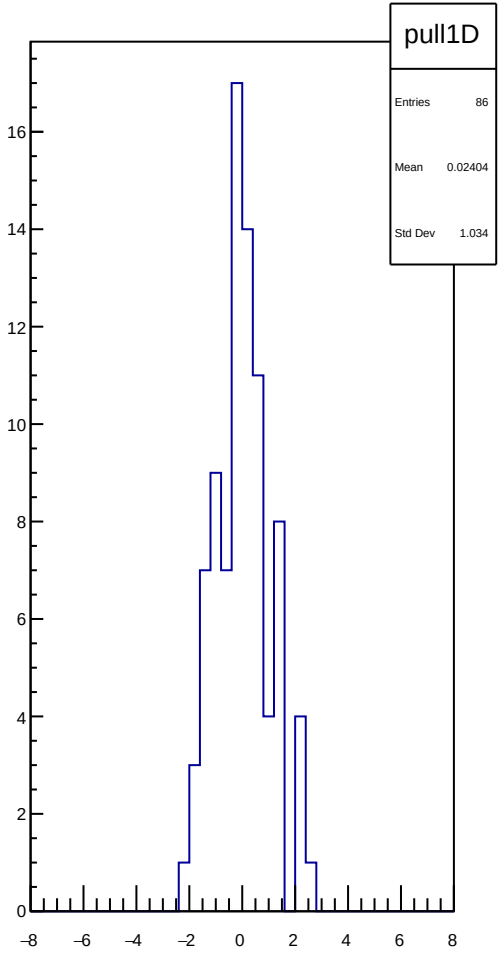

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7804 / 85
p0 6862 ± 5.345
8500
8000
7500
7000
6500
6000

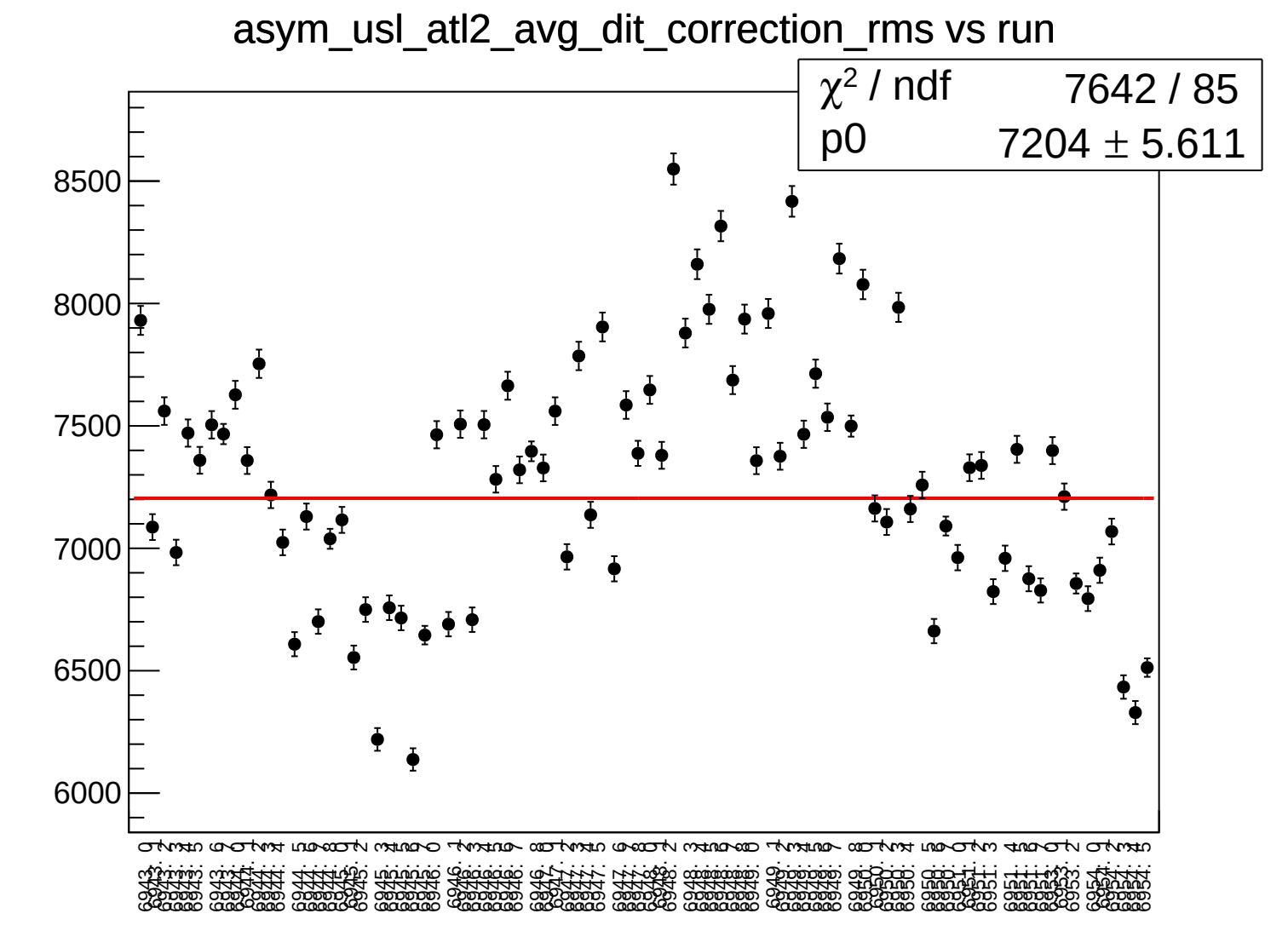

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 95.56 / 85
p0 1422 ± 1804
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −112
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

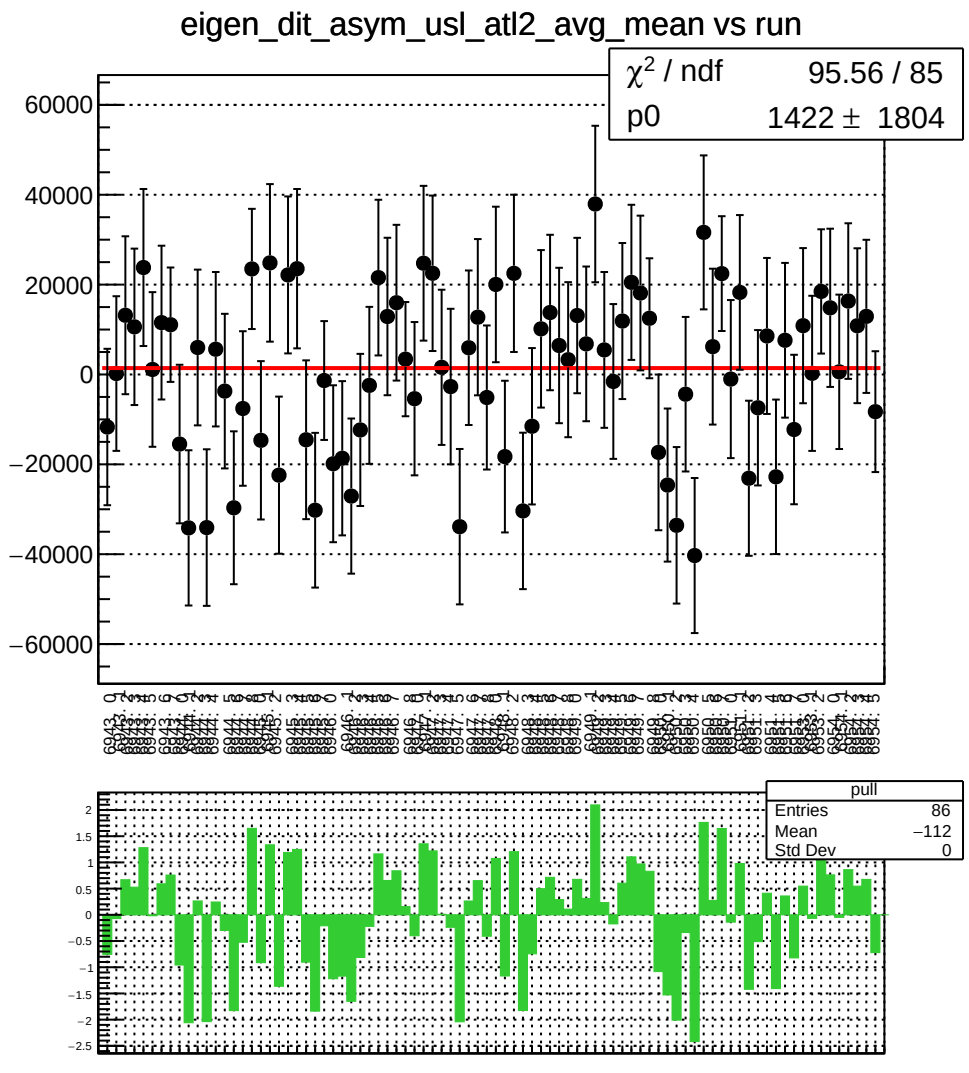

pull1D
Entries 86
Mean −0.01741
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

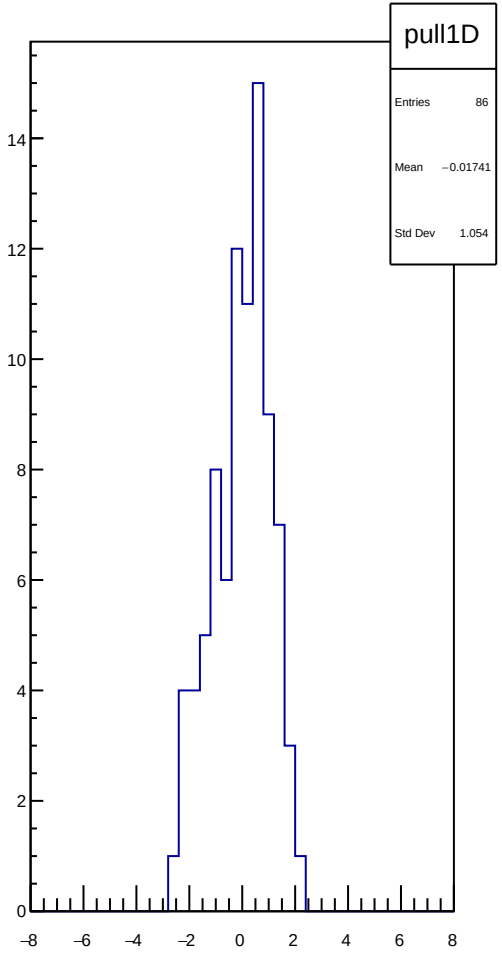

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 133.1 / 85
p0 1642 ± 1.276
1700
1680
1660
1640
1620
1600
1580

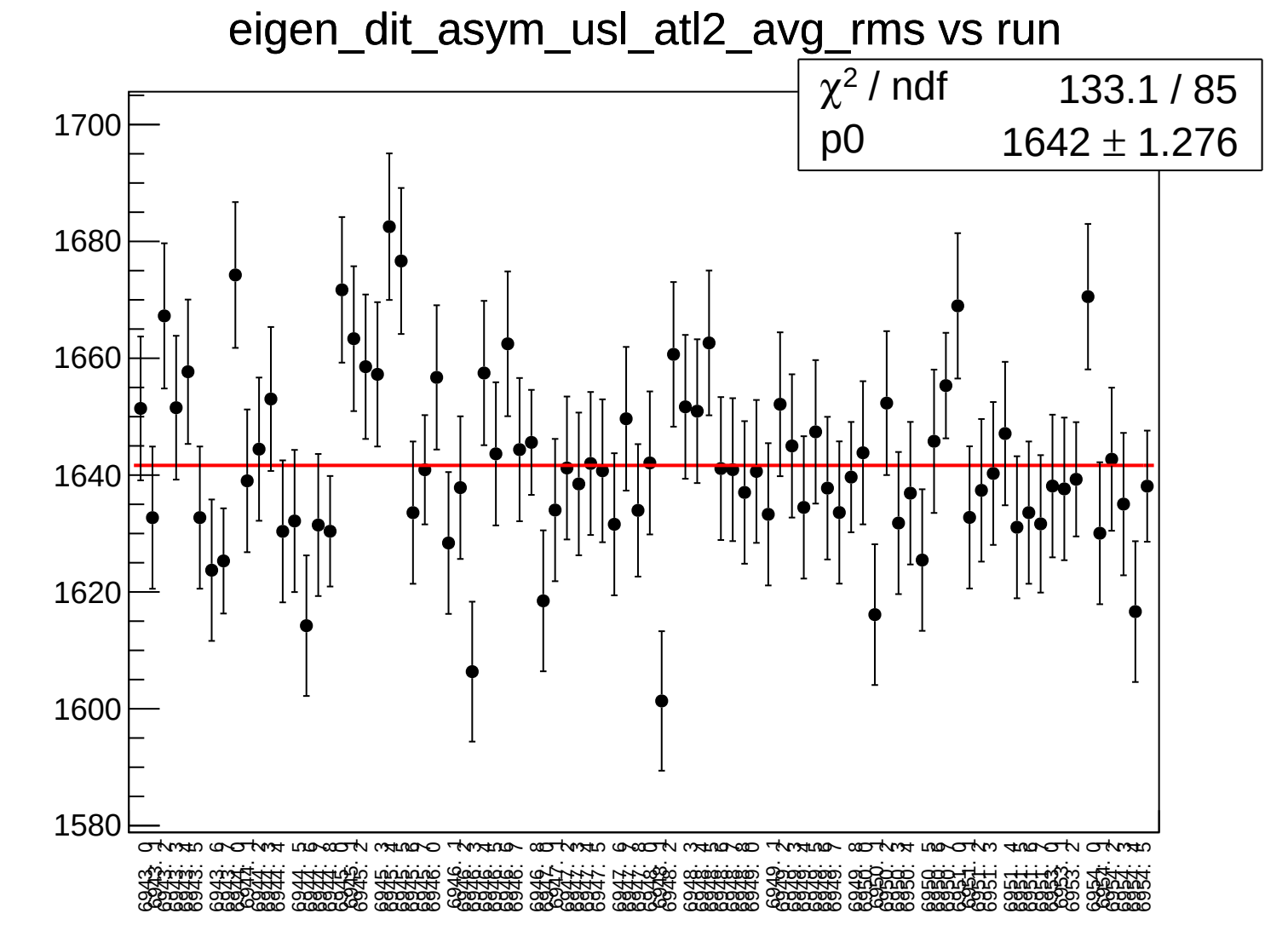

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.94 / 85
p0 −2708 ± 7935
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.5
Std Dev 0
3
2
1
0
−1
−2

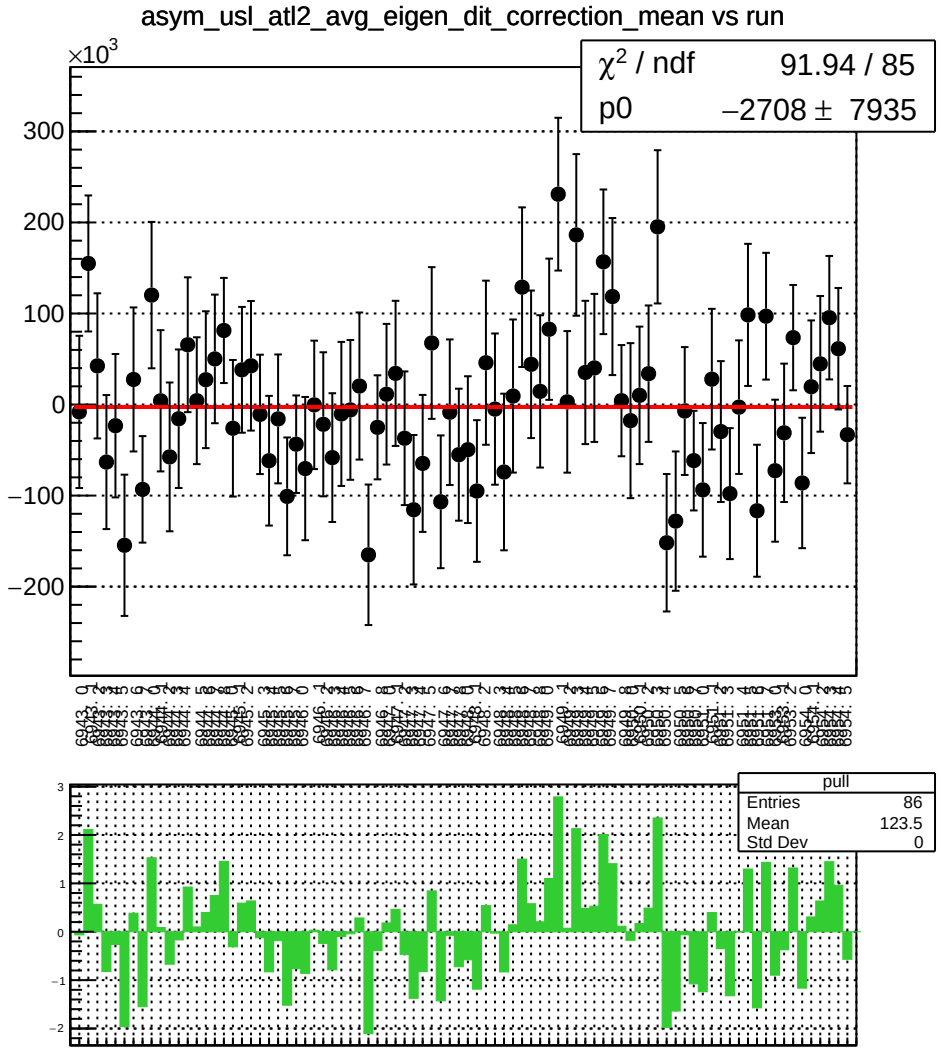

pull1D
Entries 86
Mean 0.02404
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

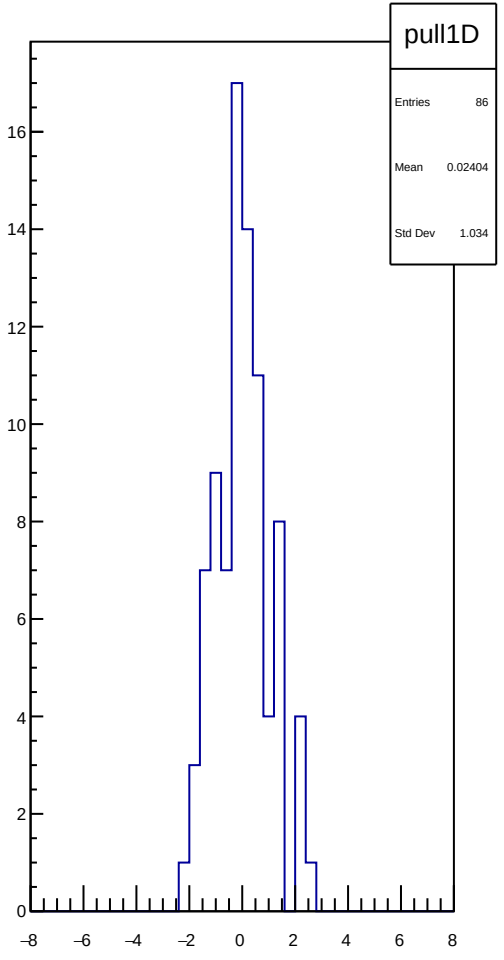

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 7642 / 85
p0 7204 ± 5.611
8500
8000
7500
7000
6500
6000

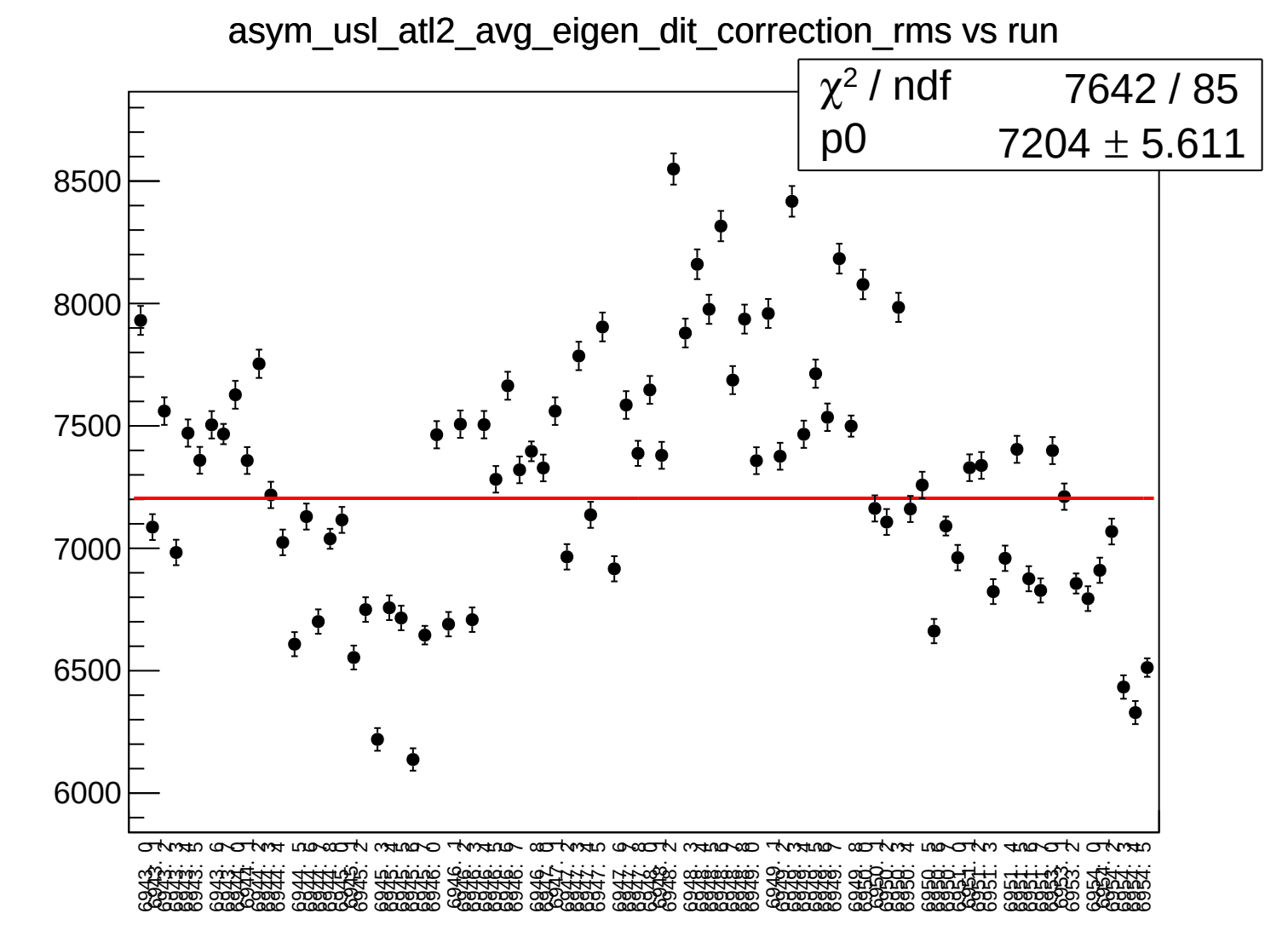

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 95.56 / 85
p0 1422 ± 1804
pull
Entries 86
Mean −112
Std Dev 0

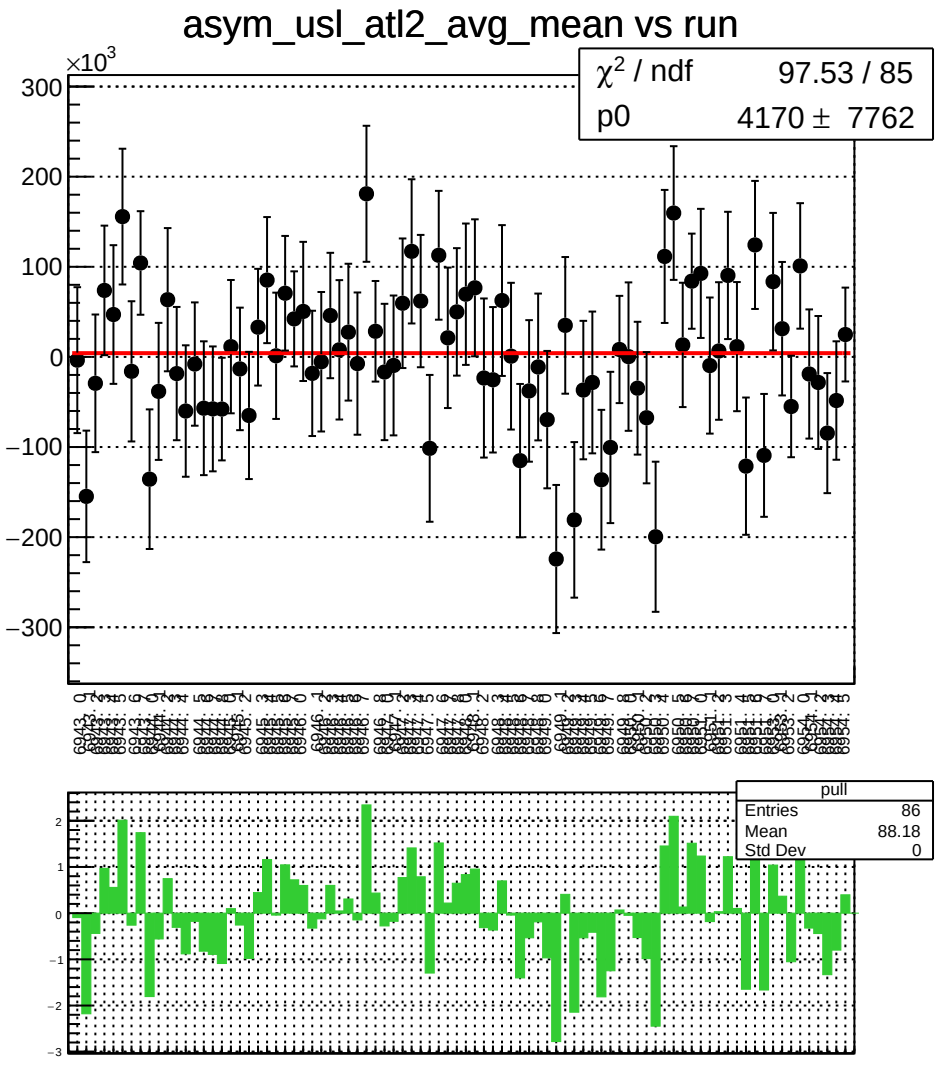

pull1D
Entries 86
Mean −0.01741
Std Dev 1.054

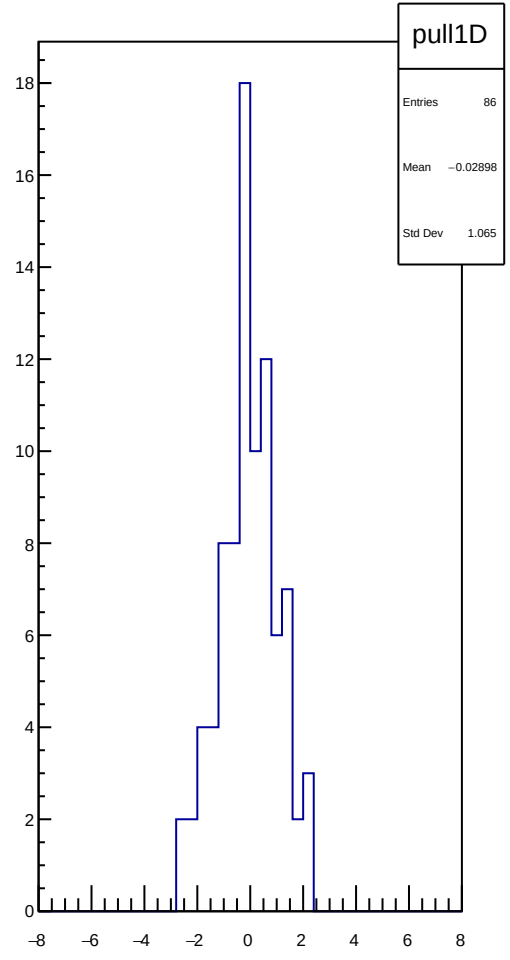

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 133.1 / 85
p0 1642 ± 1.276
1700
1680
1660
1640
1620
1600
1580

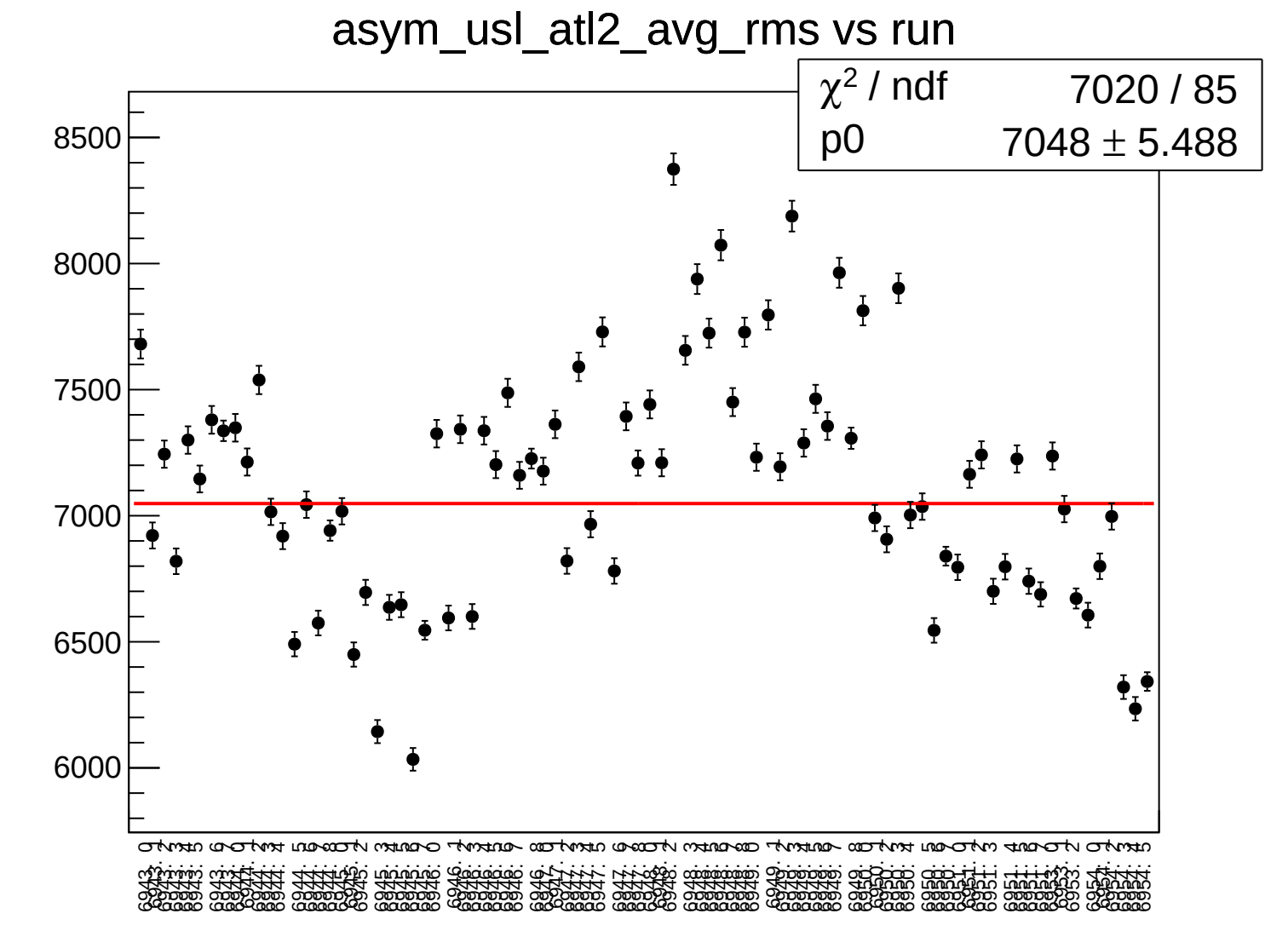

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.94 / 85
p0 −2708 ± 7935
300
200
100
0
−100
−200
pull
Entries 86
Mean 123.5
Std Dev 0
3
2
1
0
−1
−2

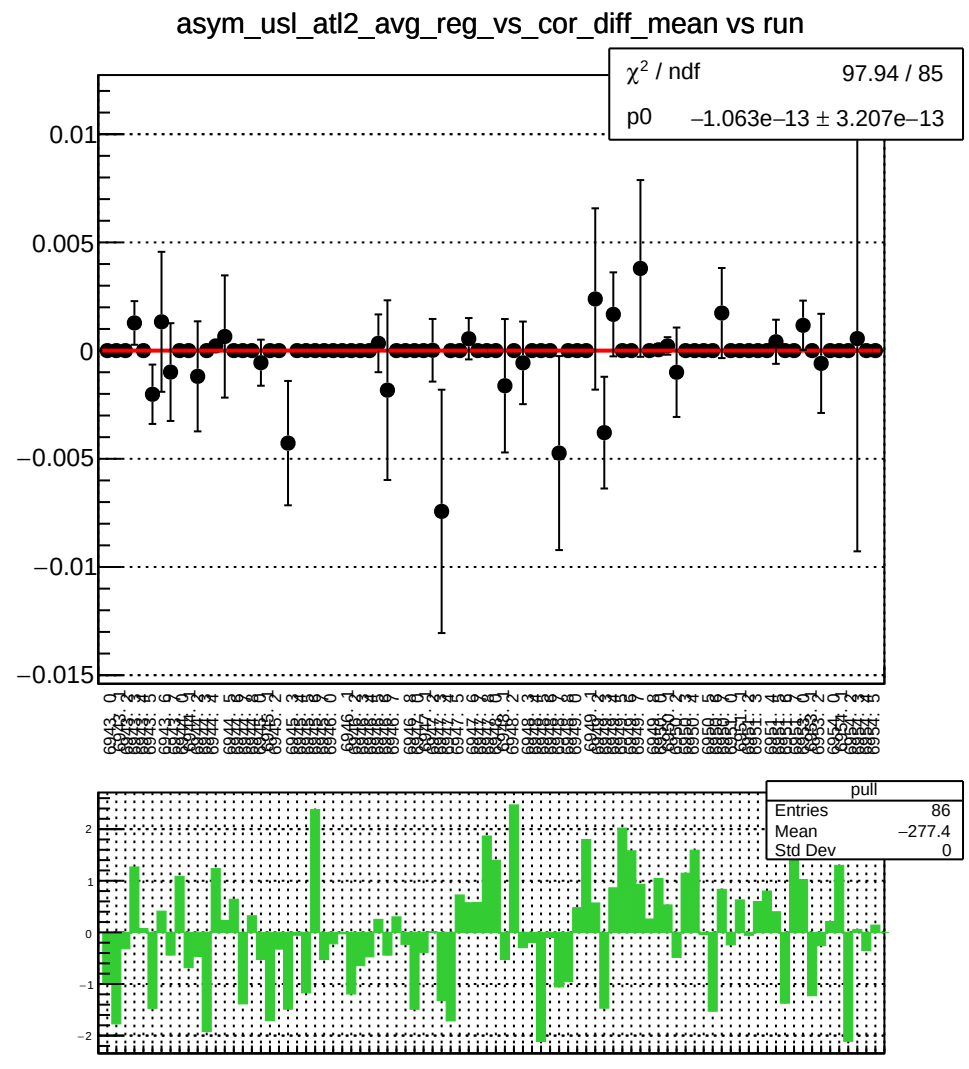

pull1D
Entries 86
Mean 0.02404
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

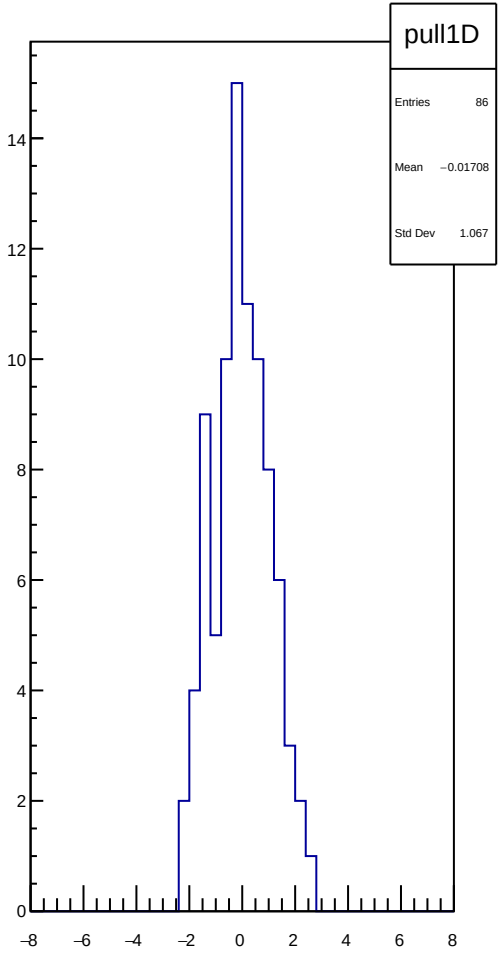

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7642 / 85
p0 7204 ± 5.611
8500
8000
7500
7000
6500
6000

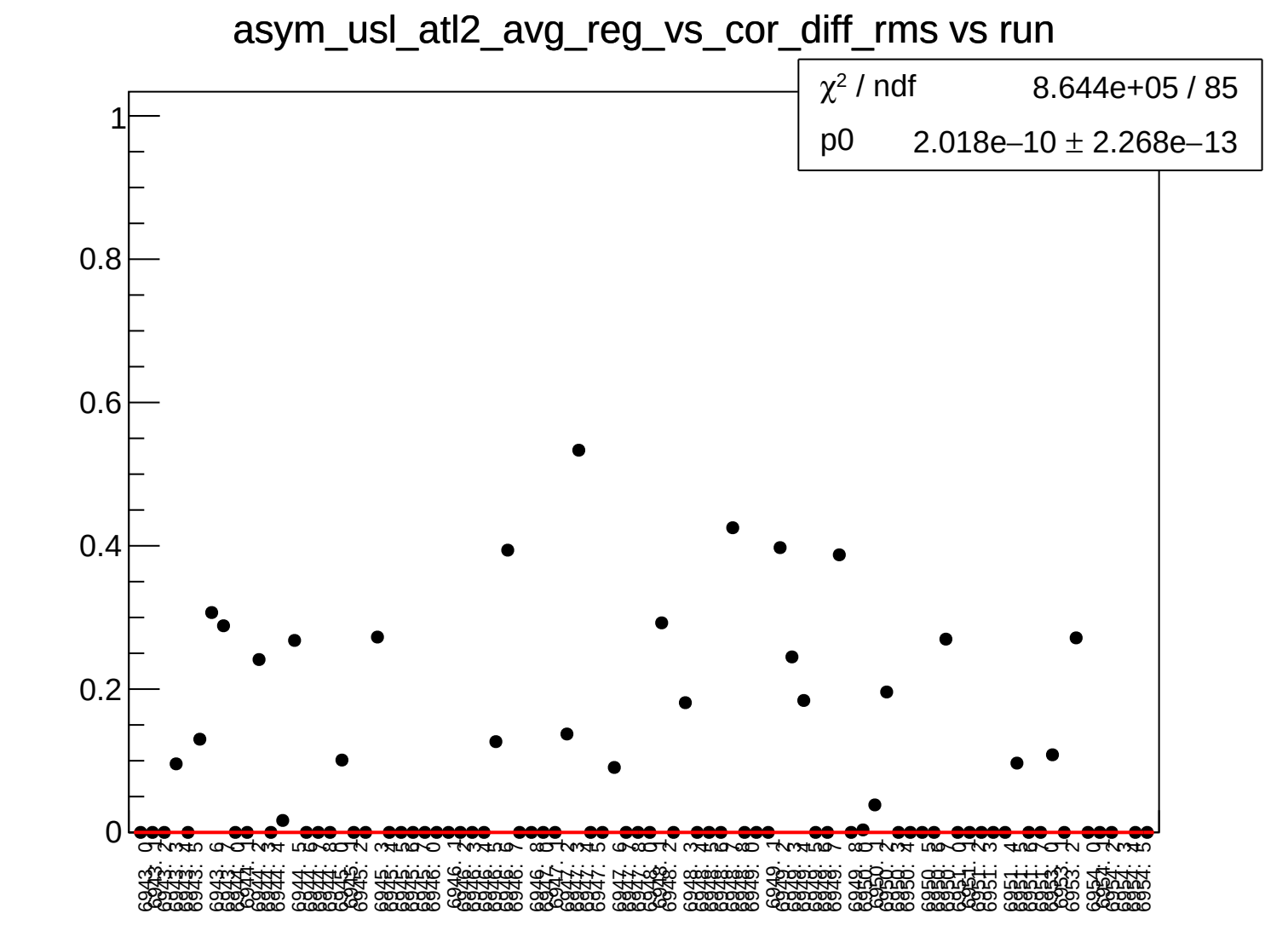

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 97.53 / 85
p0 4170 ± 7762
pull
Entries 86
Mean 88.18
Std Dev 0

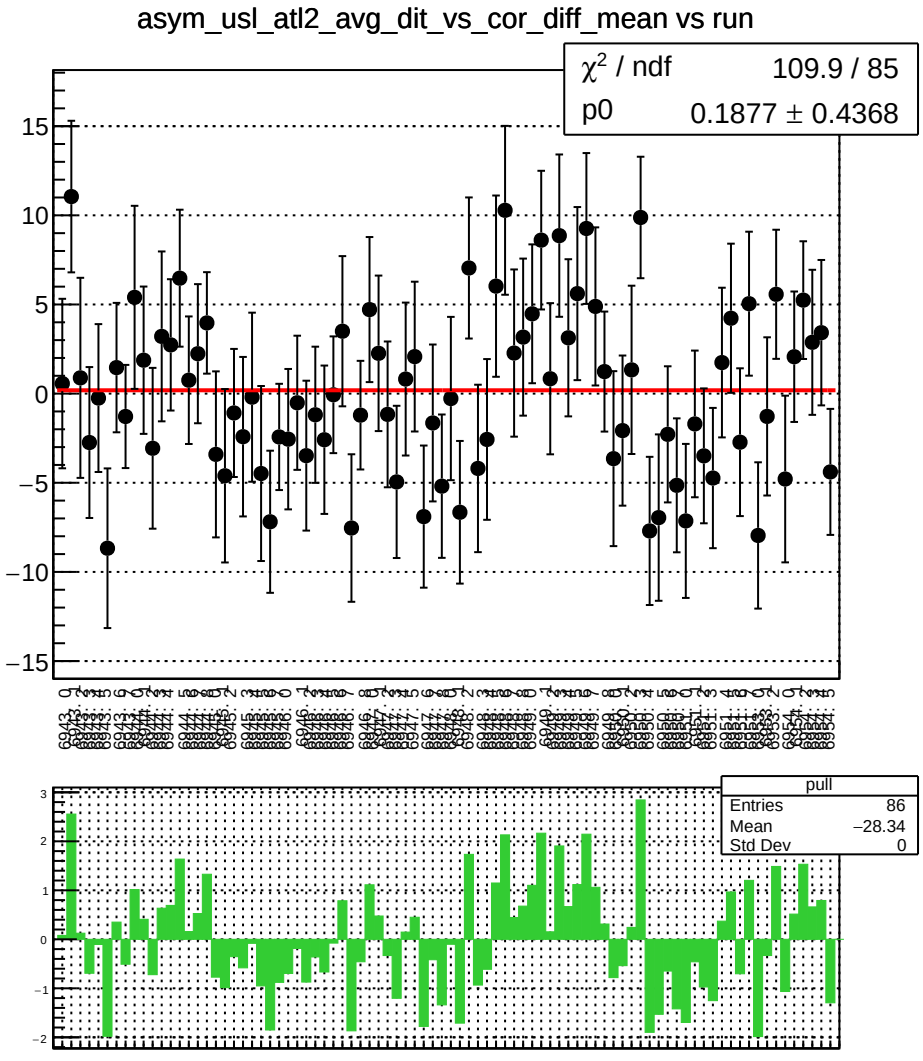

pull1D
Entries 86
Mean −0.02898
Std Dev 1.065

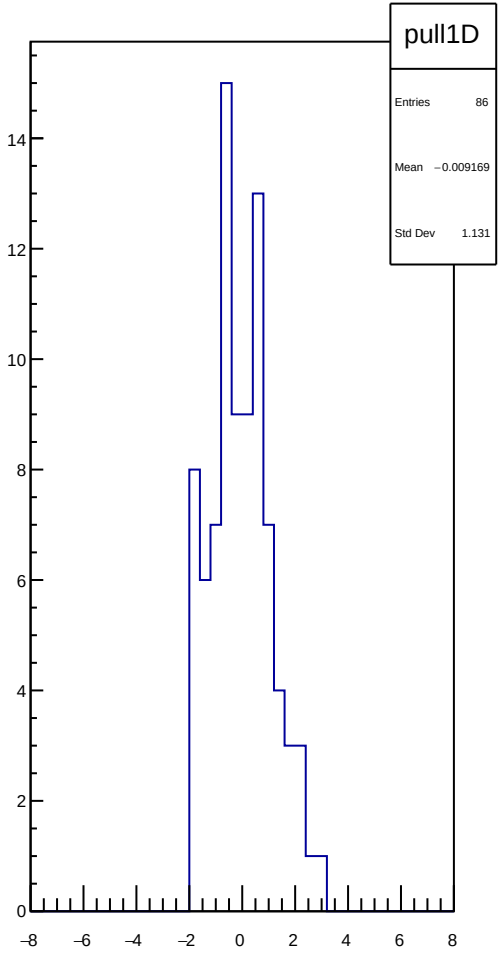

asym_usl_atl2_avg_rms vs run
χ² / ndf 7020 / 85
p0 7048 ± 5.488
8500
8000
7500
7000
6500
6000

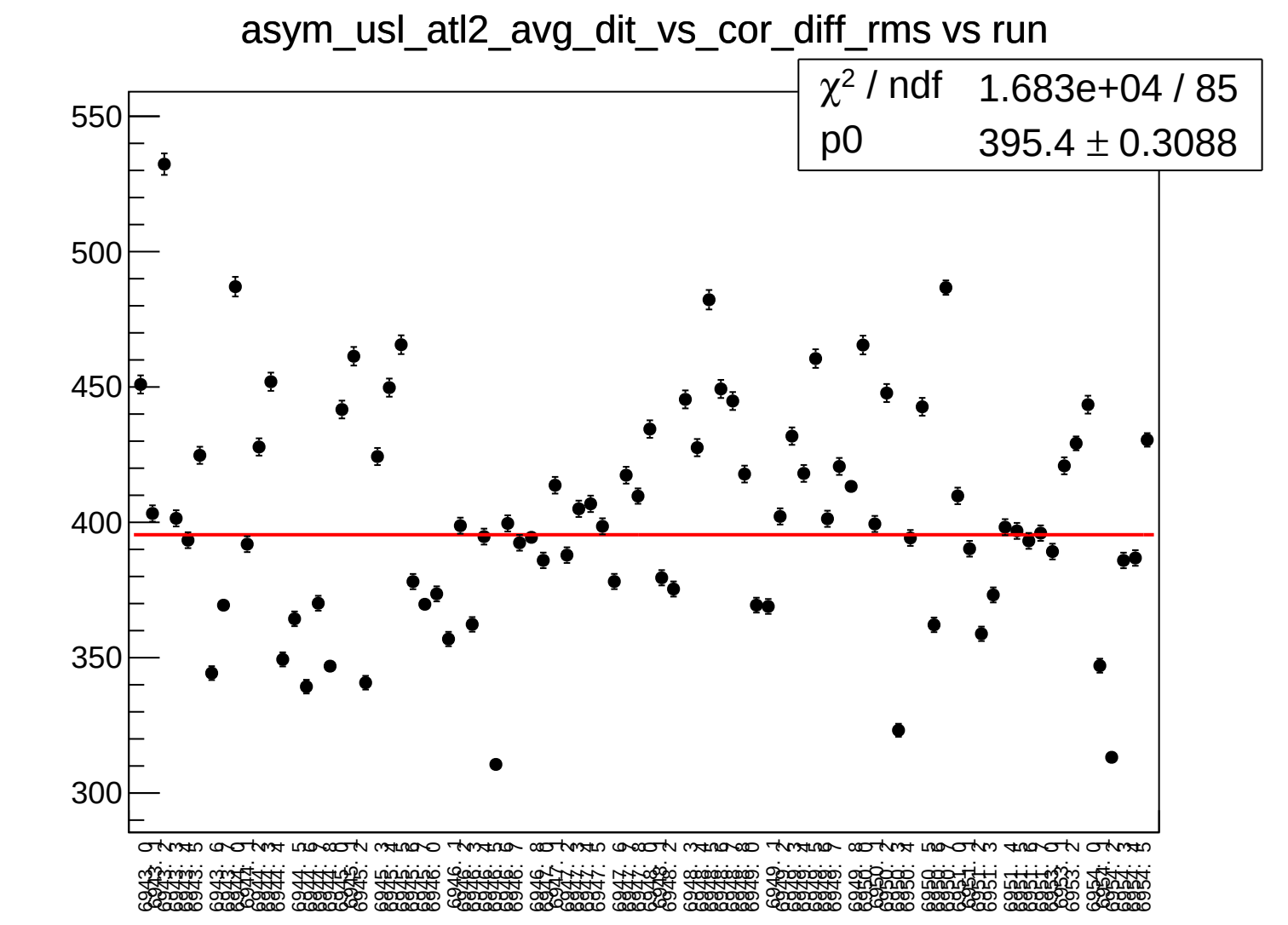

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.94 / 85
p0 −1.063e−13 ± 3.207e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean −277.4
Std Dev 0
2
1
0
−1
−2

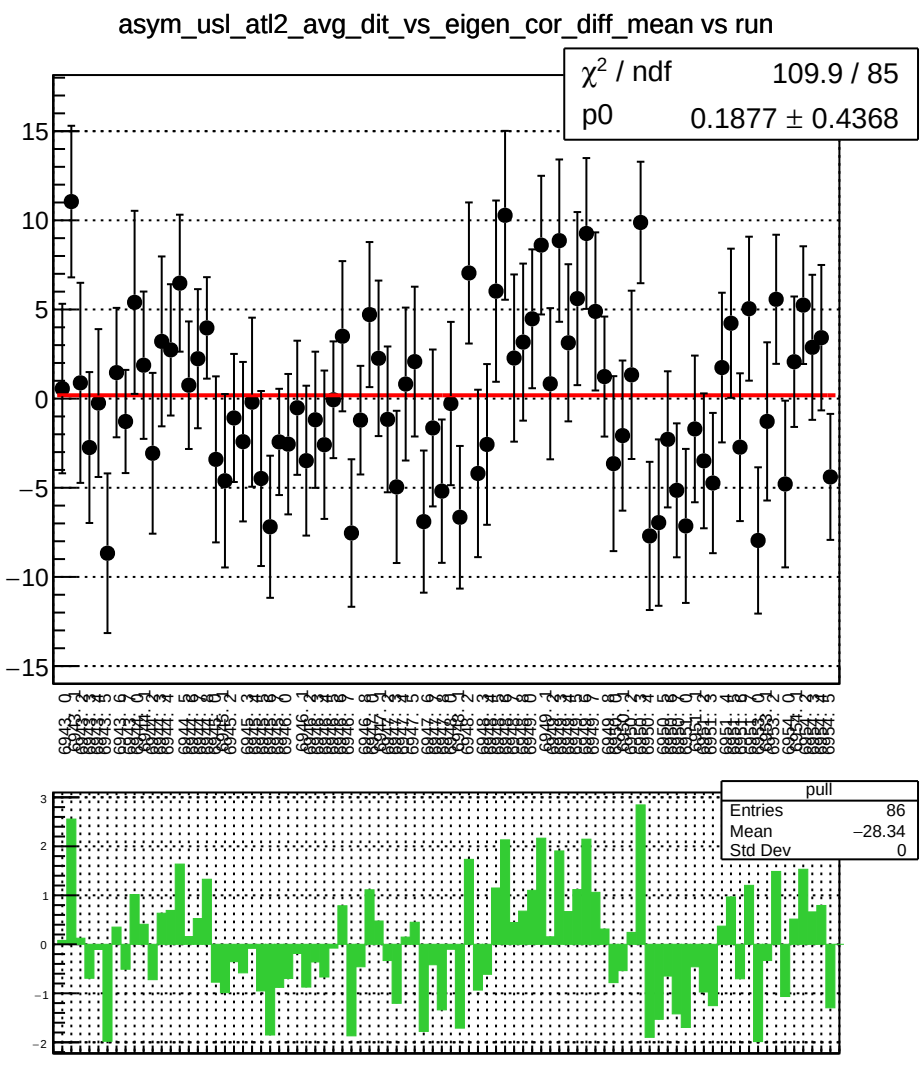

pull1D
Entries 86
Mean −0.01708
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

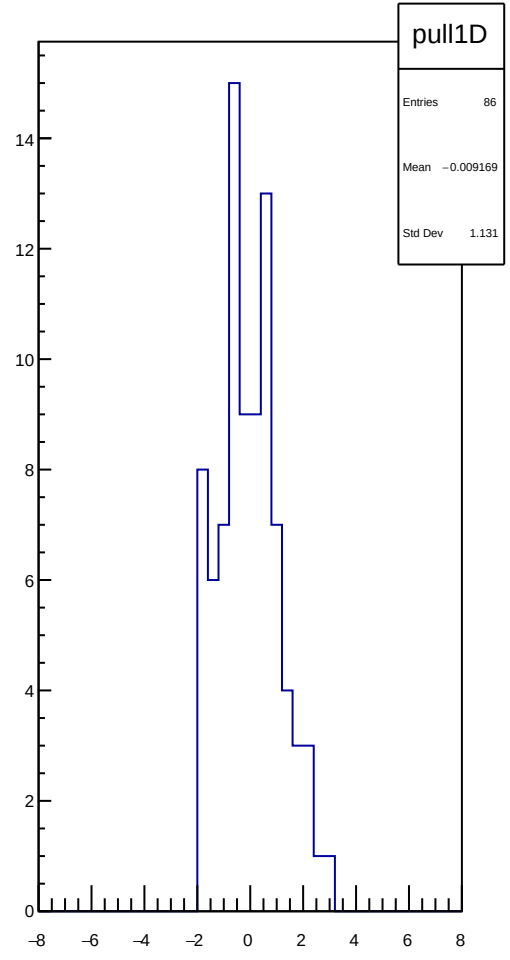

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.644e+05 / 85
p0 2.018e−10 ± 2.268e−13
1
0.8
0.6
0.4
0.2
0

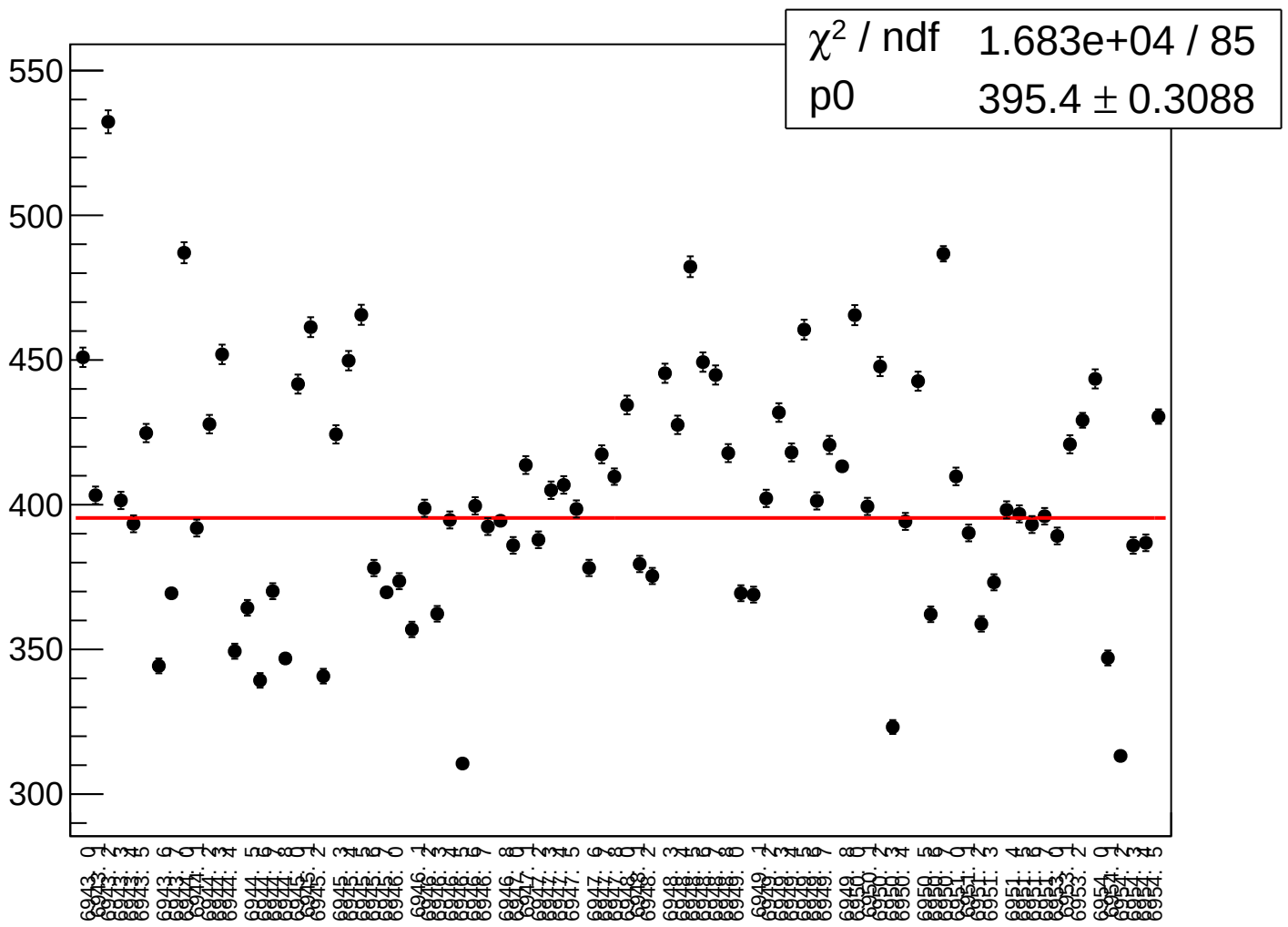

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.1877 ± 0.4368
pull
Entries 86
Mean −28.34
Std Dev 0

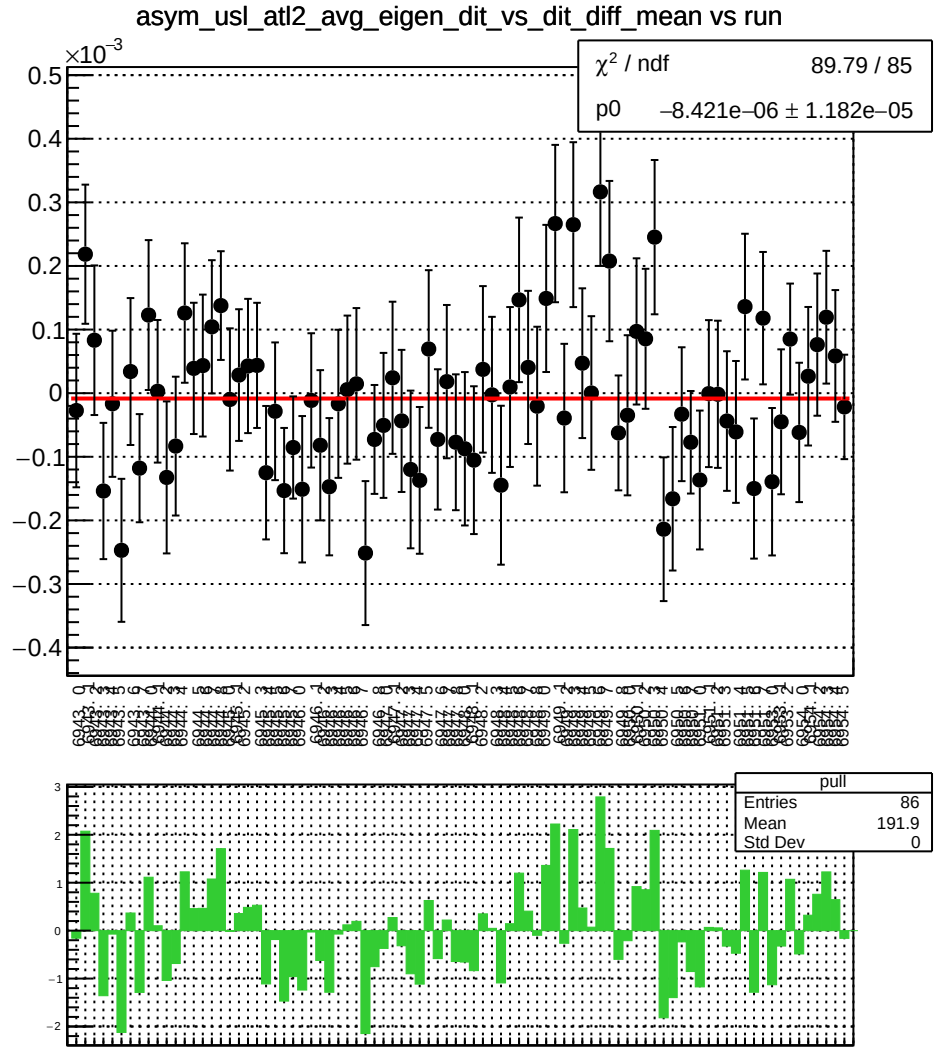

pull1D
Entries 86
Mean −0.009169
Std Dev 1.131

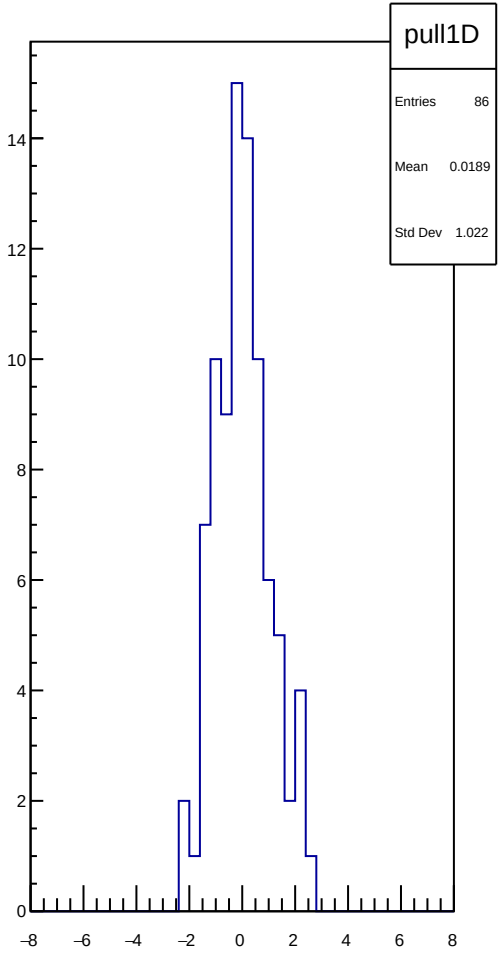

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.683e+04 / 85
p0 395.4 ± 0.3088
550
500
450
400
350
300

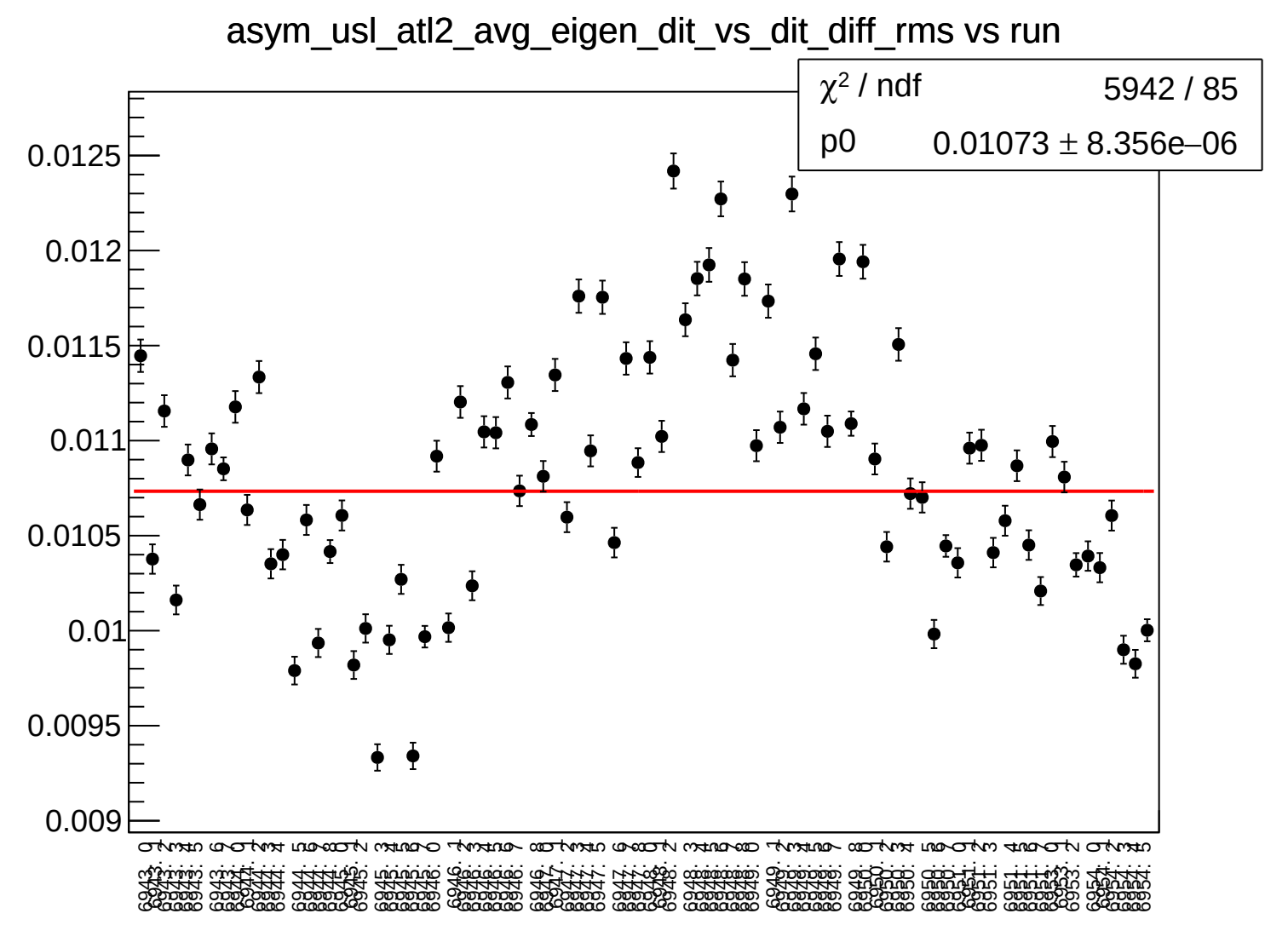

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.1877 ± 0.4368
pull
Entries 86
Mean −28.34
Std Dev 0

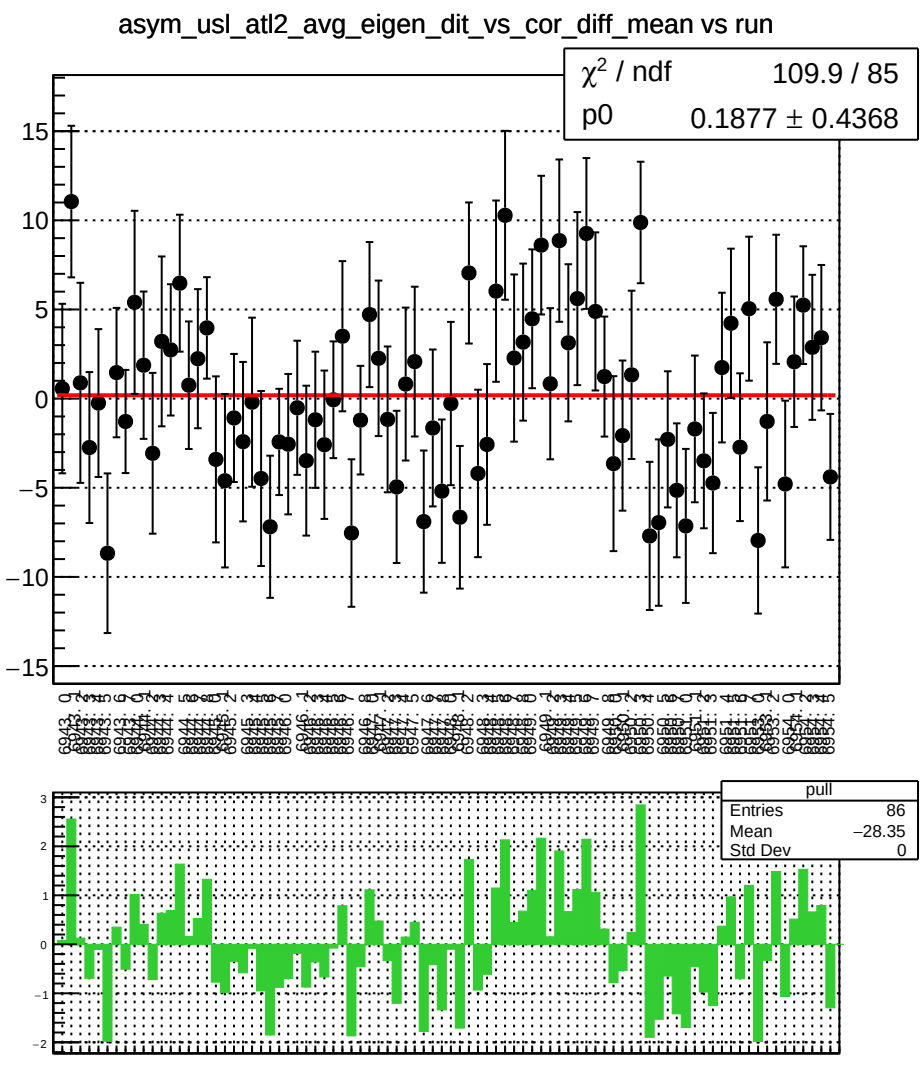

pull1D
Entries 86
Mean −0.009169
Std Dev 1.131

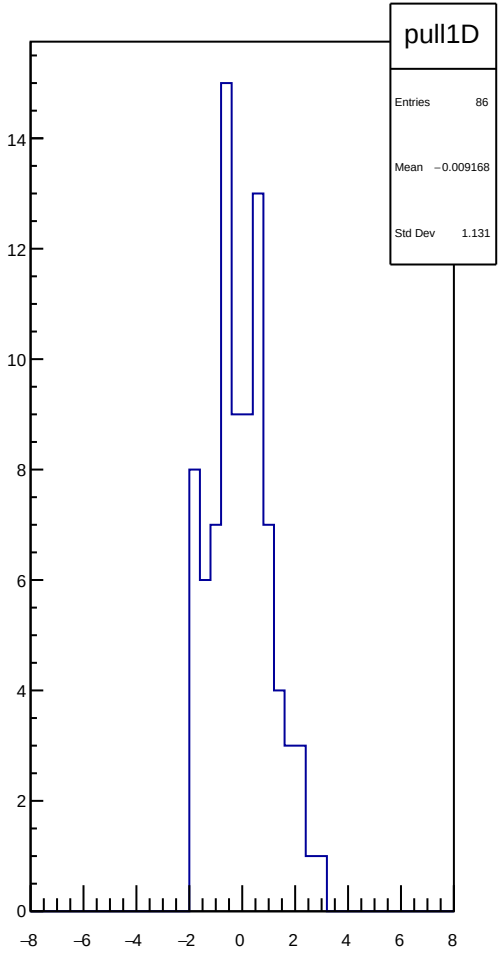

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.683e+04 / 85
p0 395.4 ± 0.3088
550
500
450
400
350
300

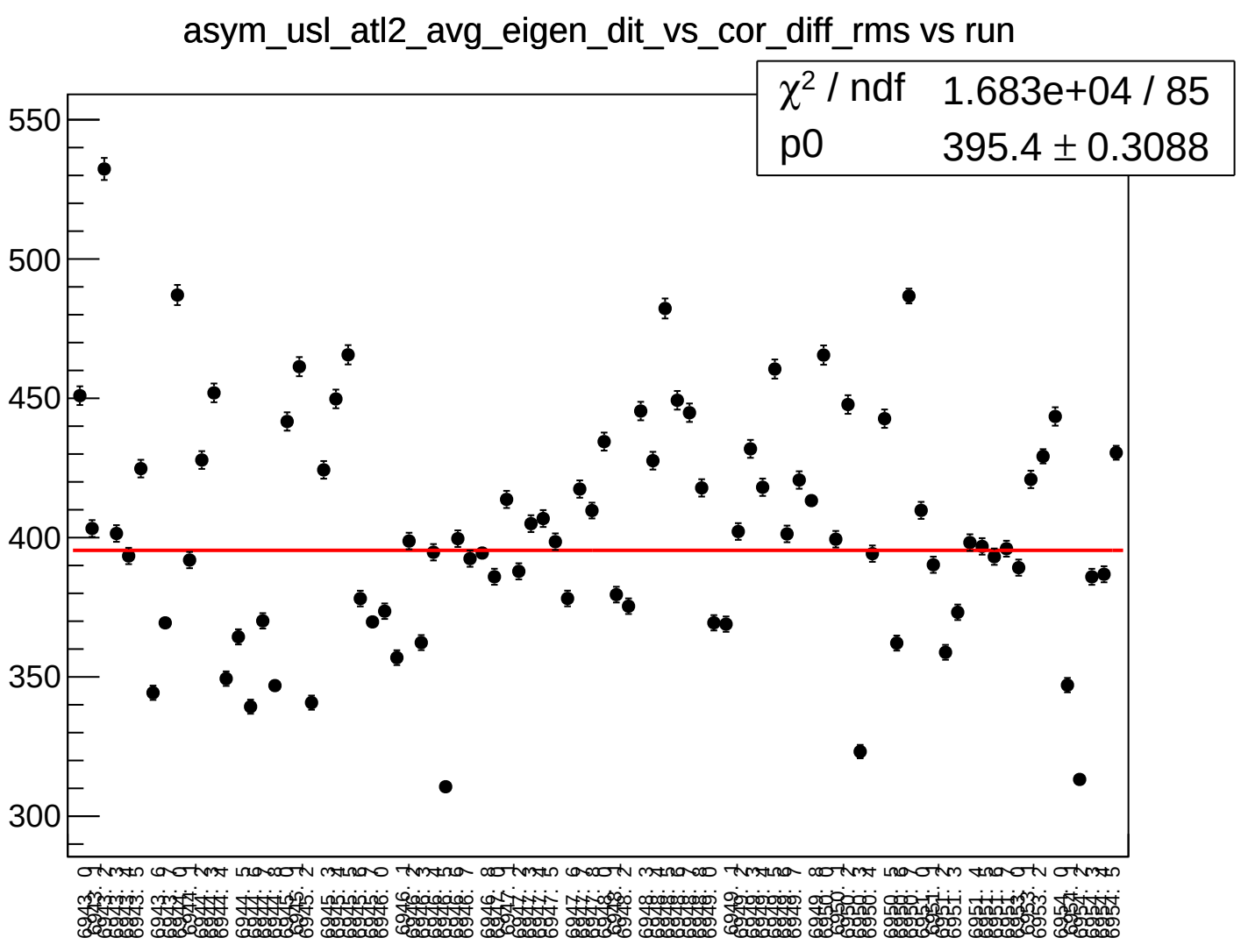

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.79 / 85
p0 −8.421e−06 ± 1.182e−05
pull
Entries 86
Mean 191.9
Std Dev 0

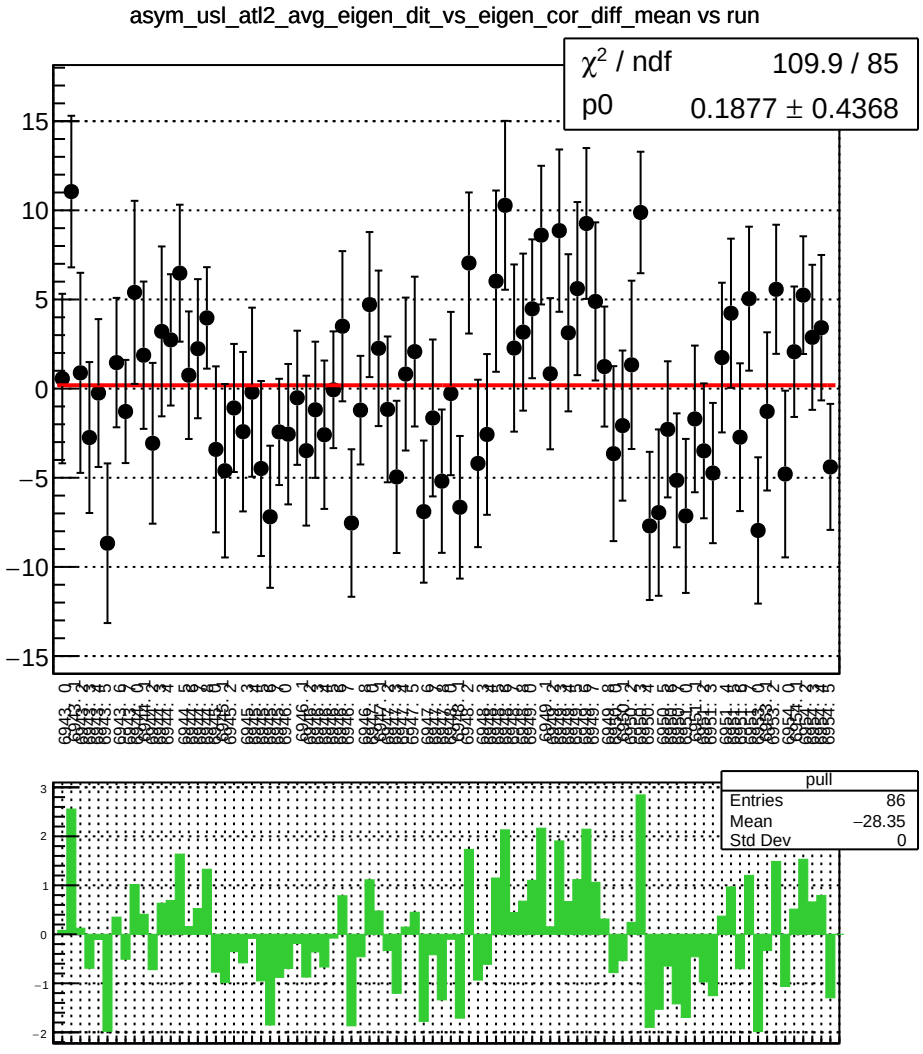

pull1D
Entries 86
Mean 0.0189
Std Dev 1.022

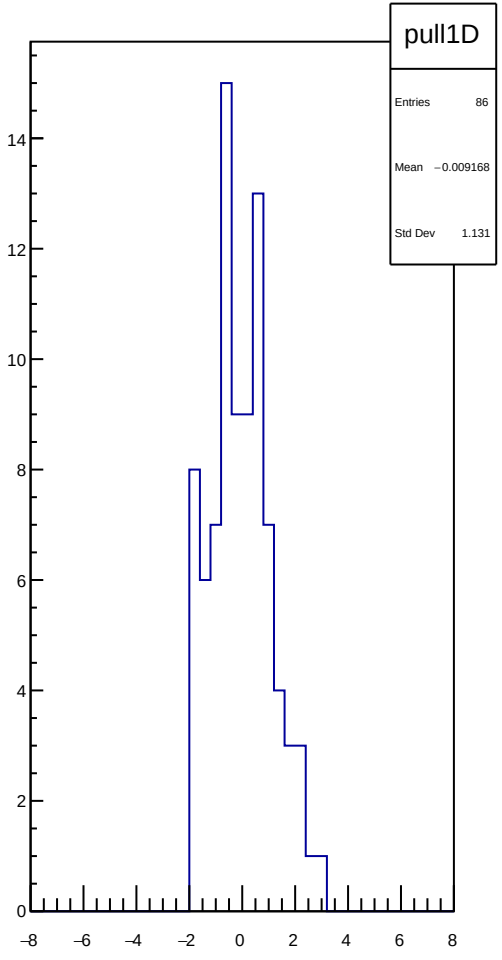

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5942 / 85
p0 0.01073 ± 8.356e−06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

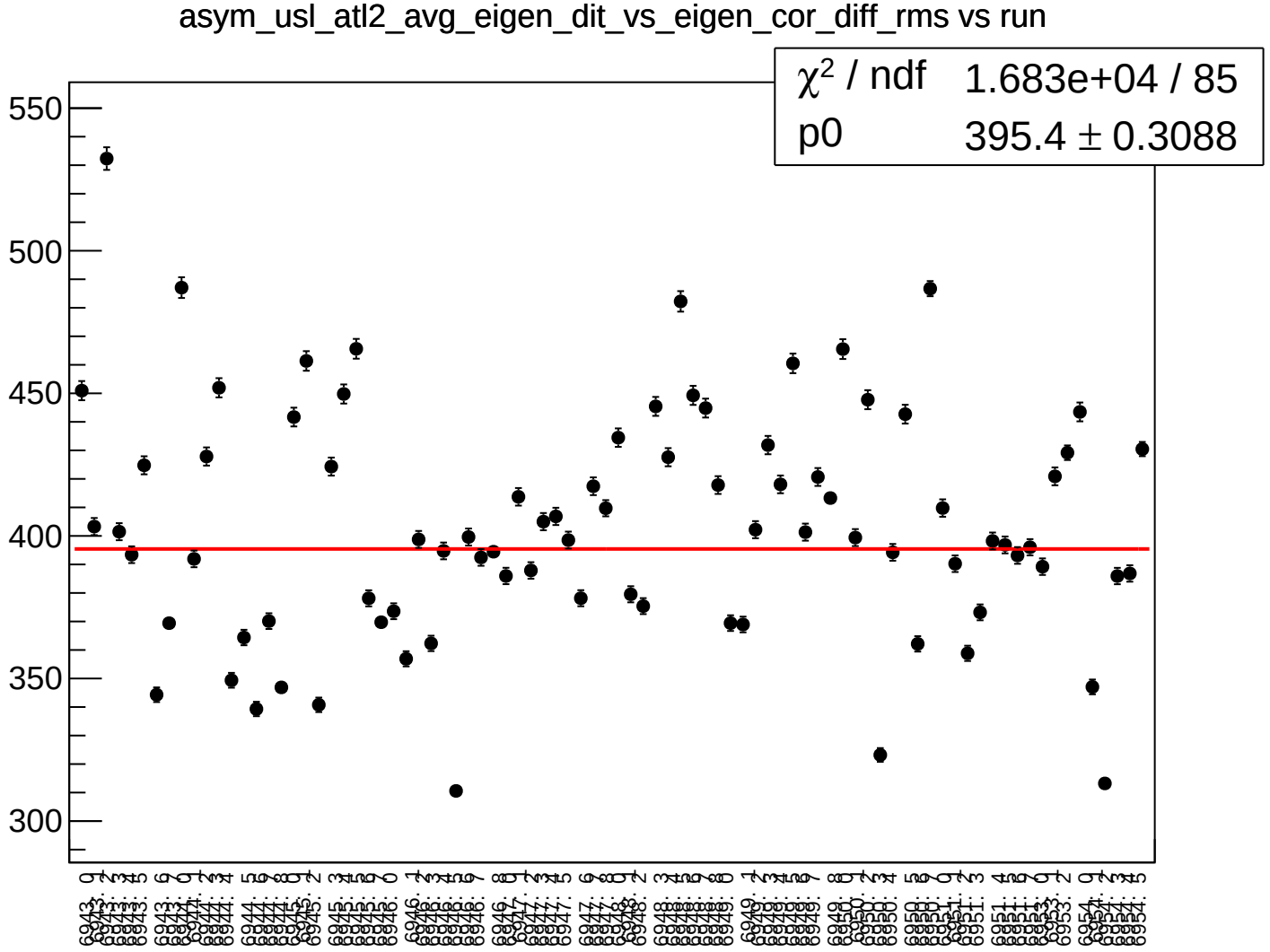

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.1877 ± 0.4368
pull
Entries 86
Mean −28.35
Std Dev 0

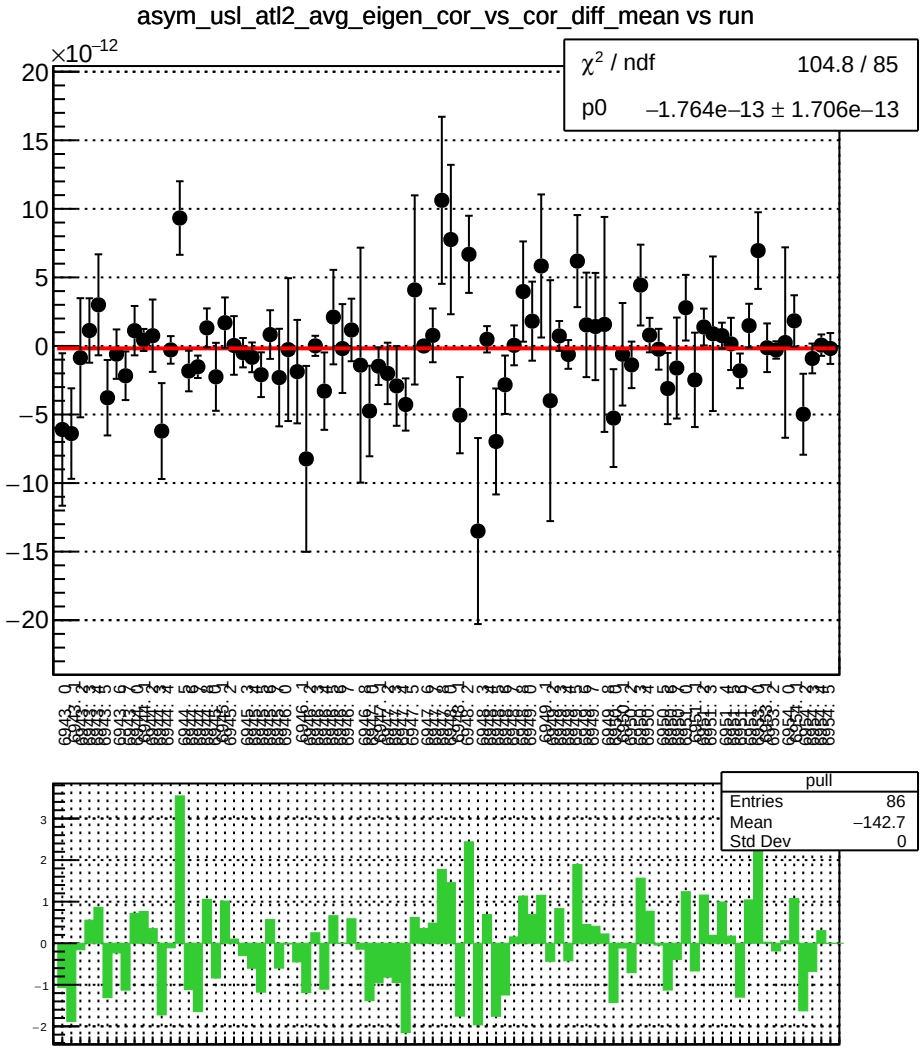

pull1D
Entries 86
Mean −0.009168
Std Dev 1.131

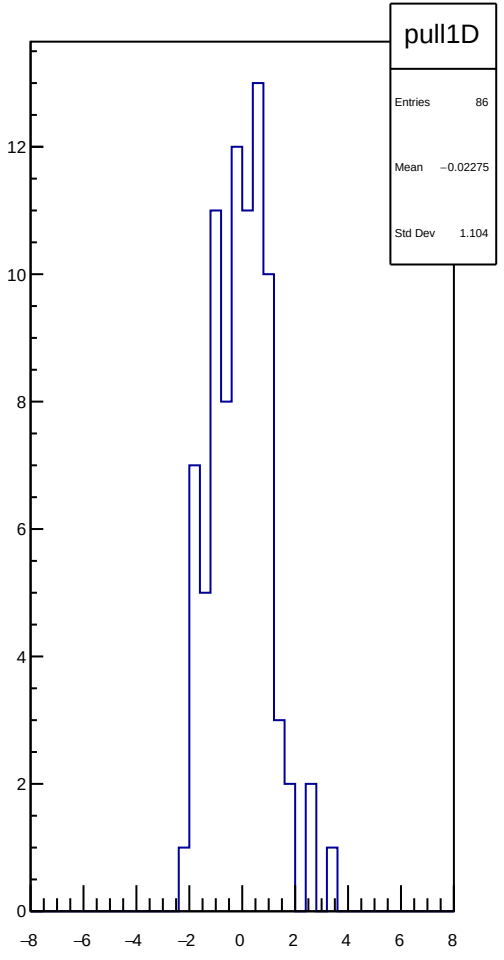

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.683e+04 / 85
p0 395.4 ± 0.3088
550
500
450
400
350
300

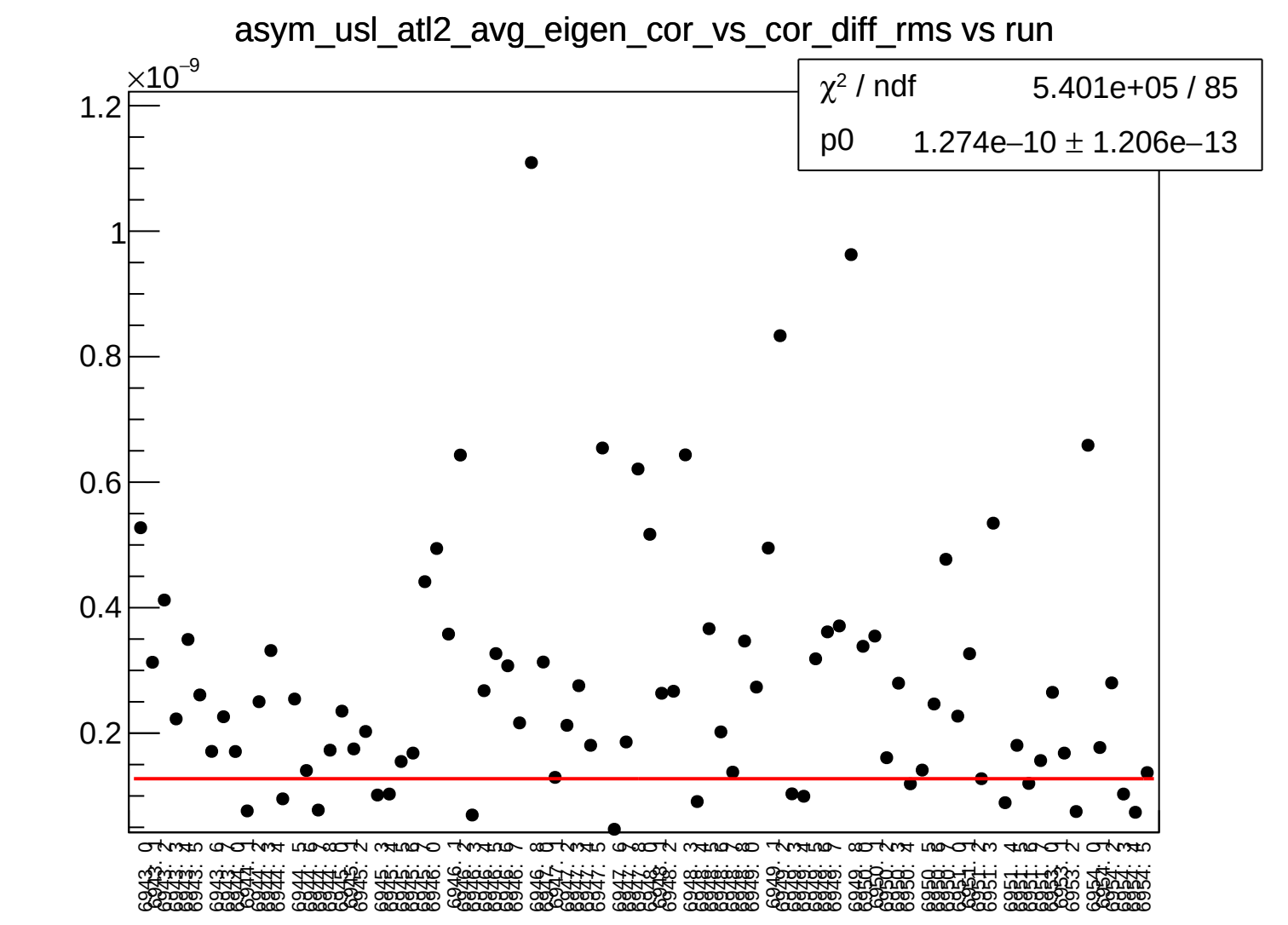

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.1877 ± 0.4368
pull
Entries 86
Mean −28.35
Std Dev 0

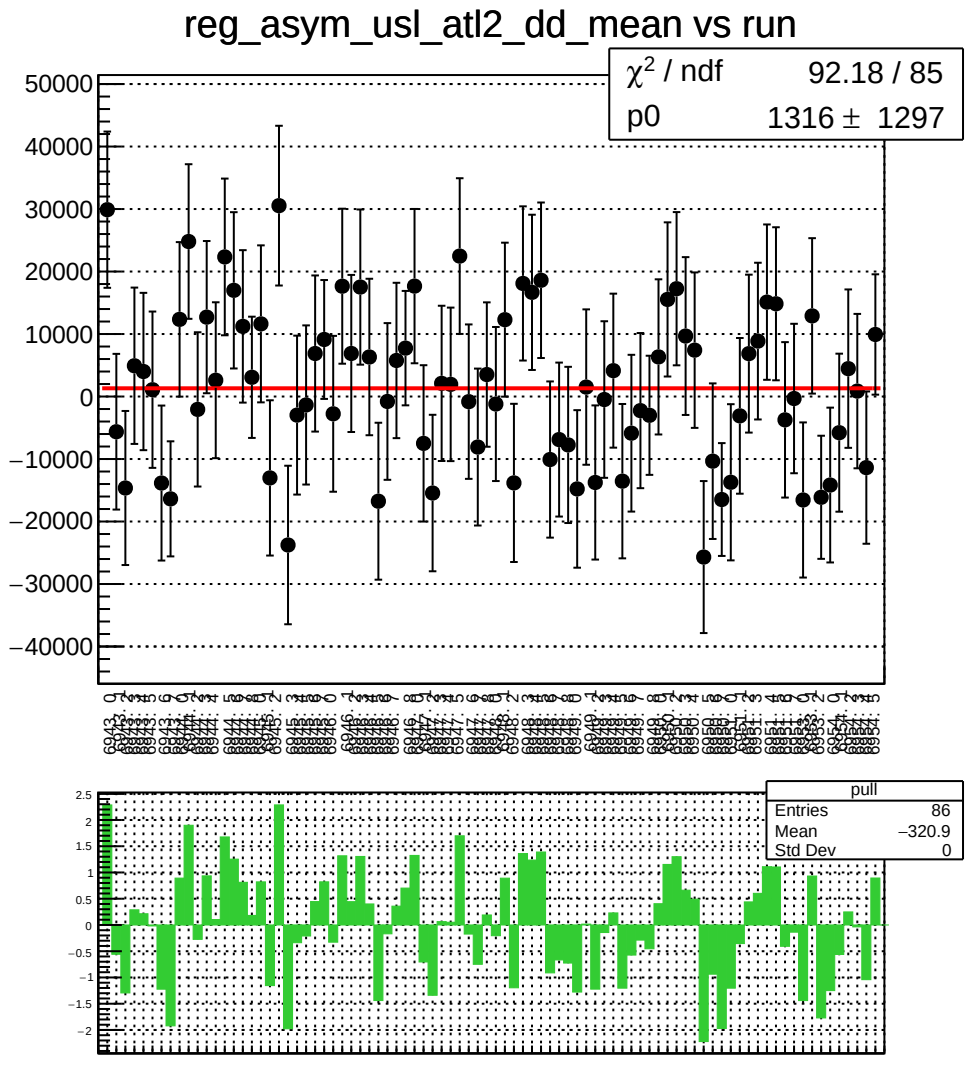

pull1D
Entries 86
Mean −0.009168
Std Dev 1.131

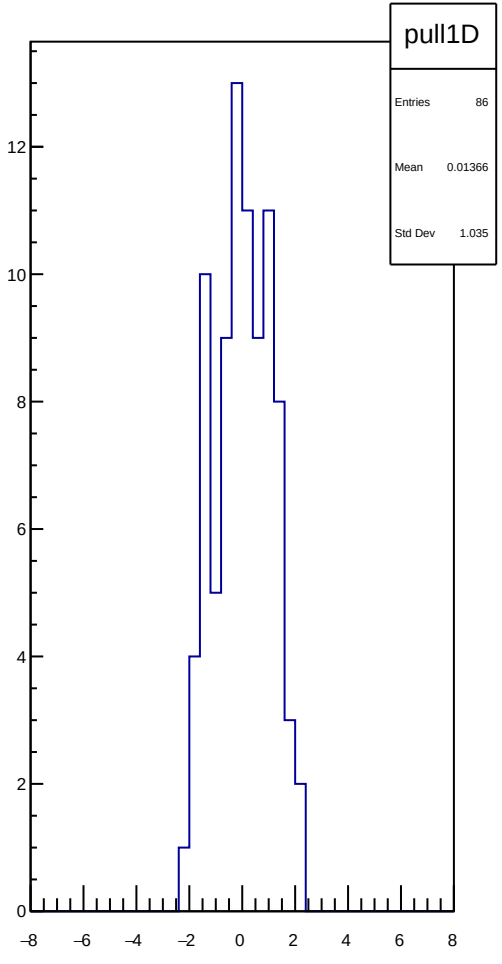

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.683e+04 / 85
p0 395.4 ± 0.3088
550
500
450
400
350
300

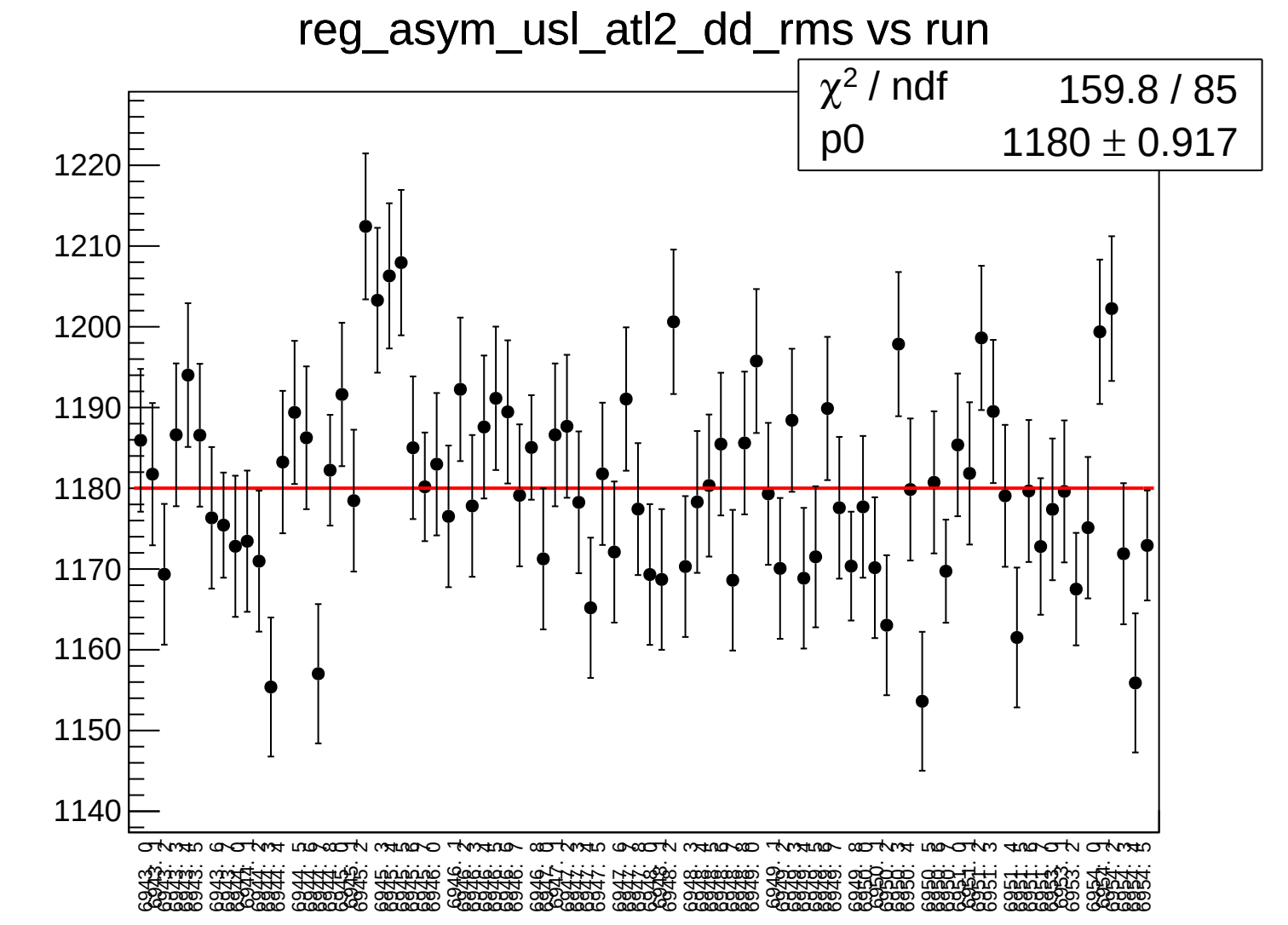

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 104.8 / 85
p0 −1.764e−13 ± 1.706e−13
pull
Entries 86
Mean −142.7
Std Dev 0

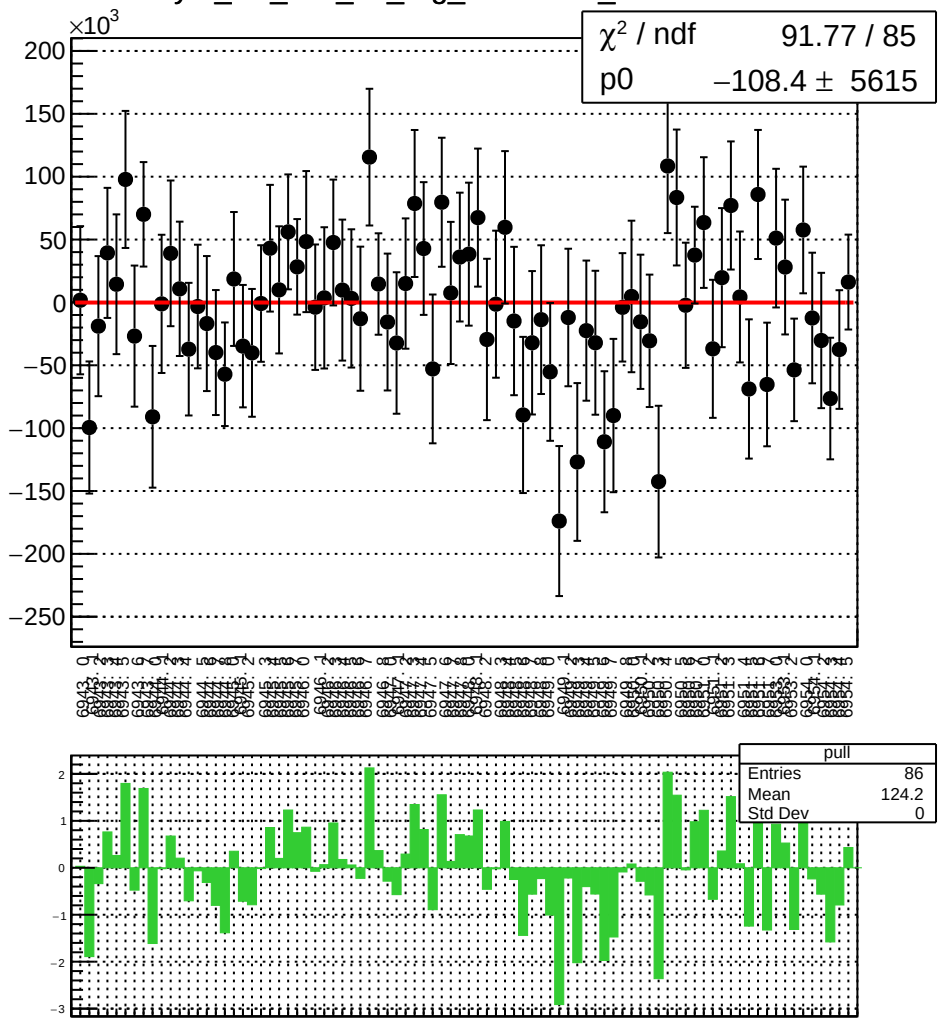

pull1D
Entries 86
Mean −0.02275
Std Dev 1.104

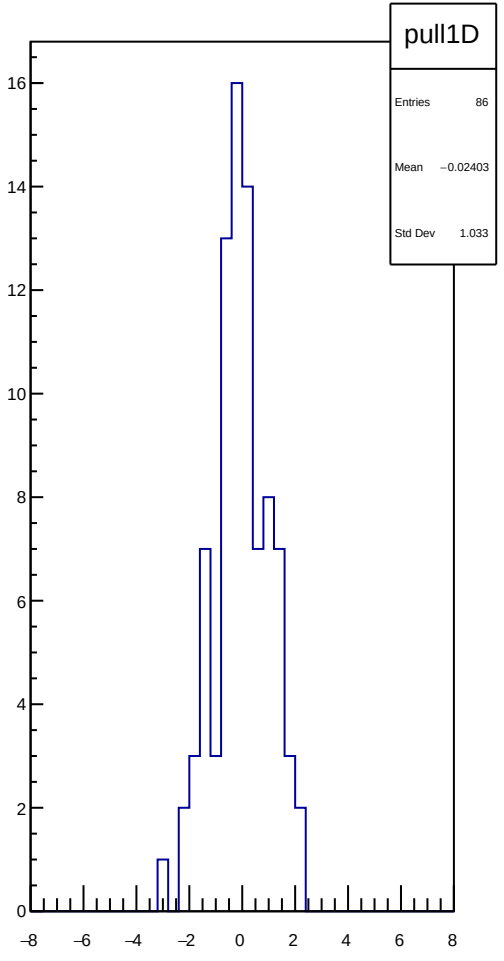

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.401e+05 / 85
p0 1.274e−10 ± 1.206e−13
1.2
1
0.8
0.6
0.4
0.2

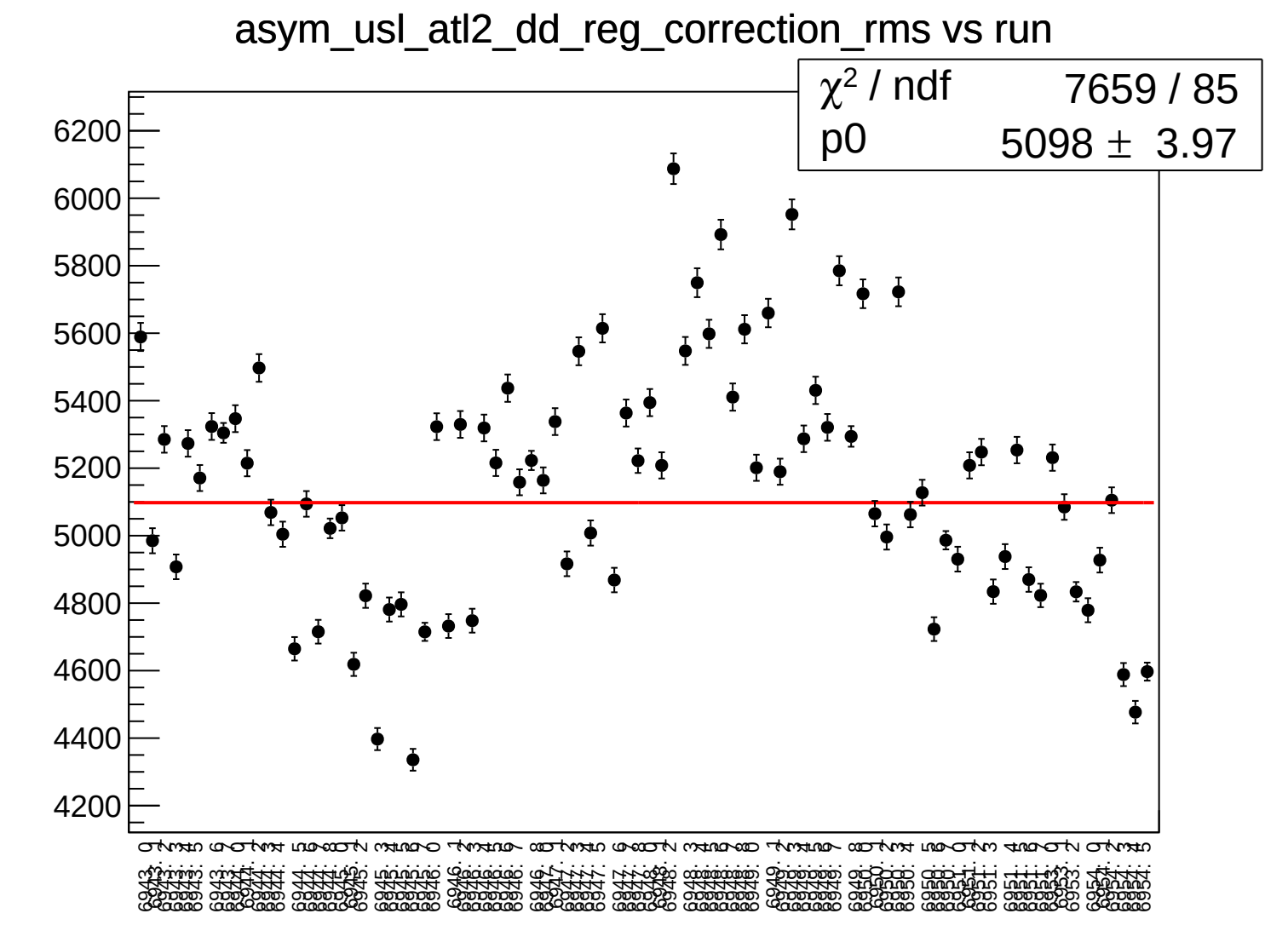

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 92.18 / 85
p0 1316 ± 1297
pull
Entries 86
Mean −320.9
Std Dev 0

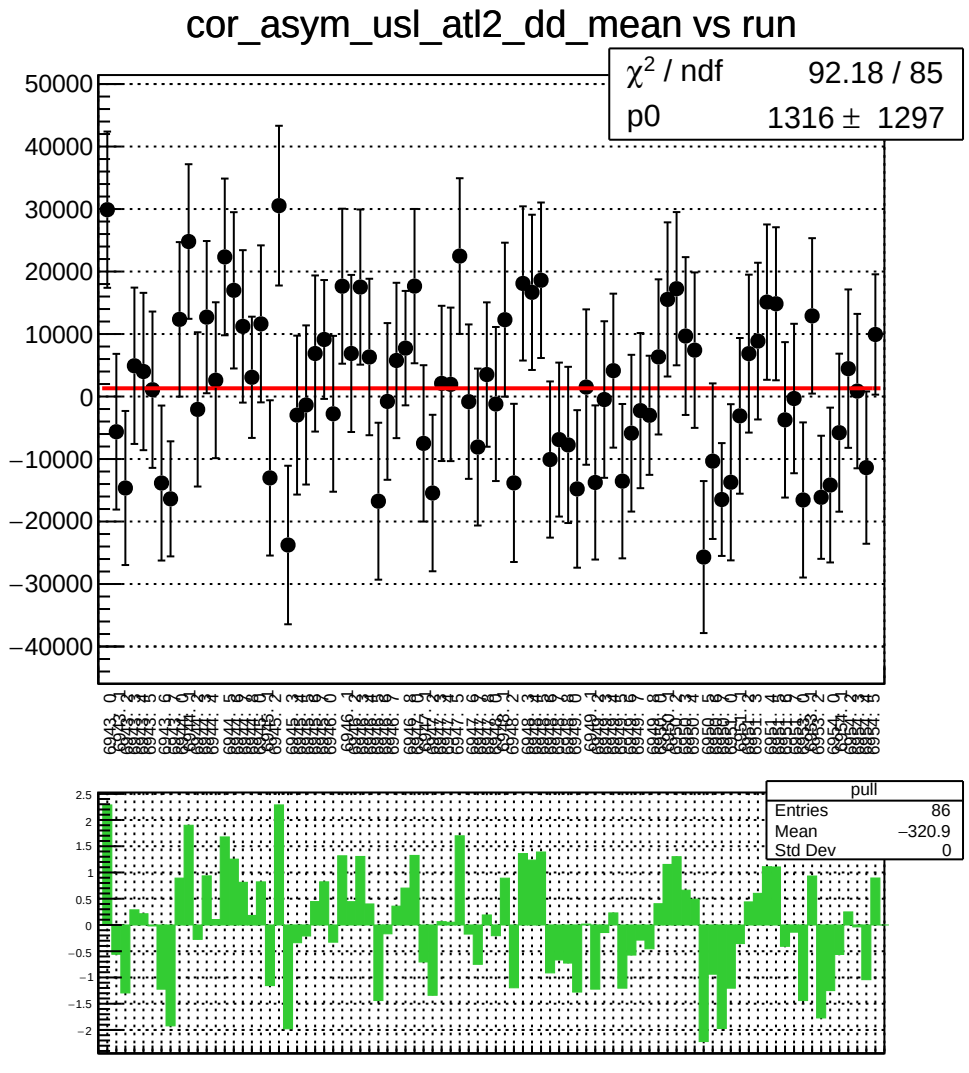

pull1D
Entries 86
Mean 0.01366
Std Dev 1.035

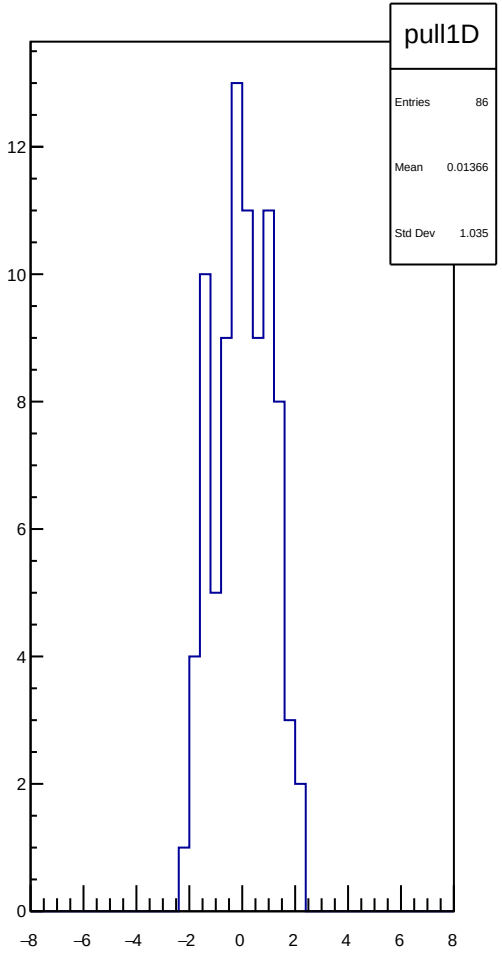

reg_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 159.8 / 85
p0 1180 ± 0.917
1220
1210
1200
1190
1180
1170
1160
1150
1140

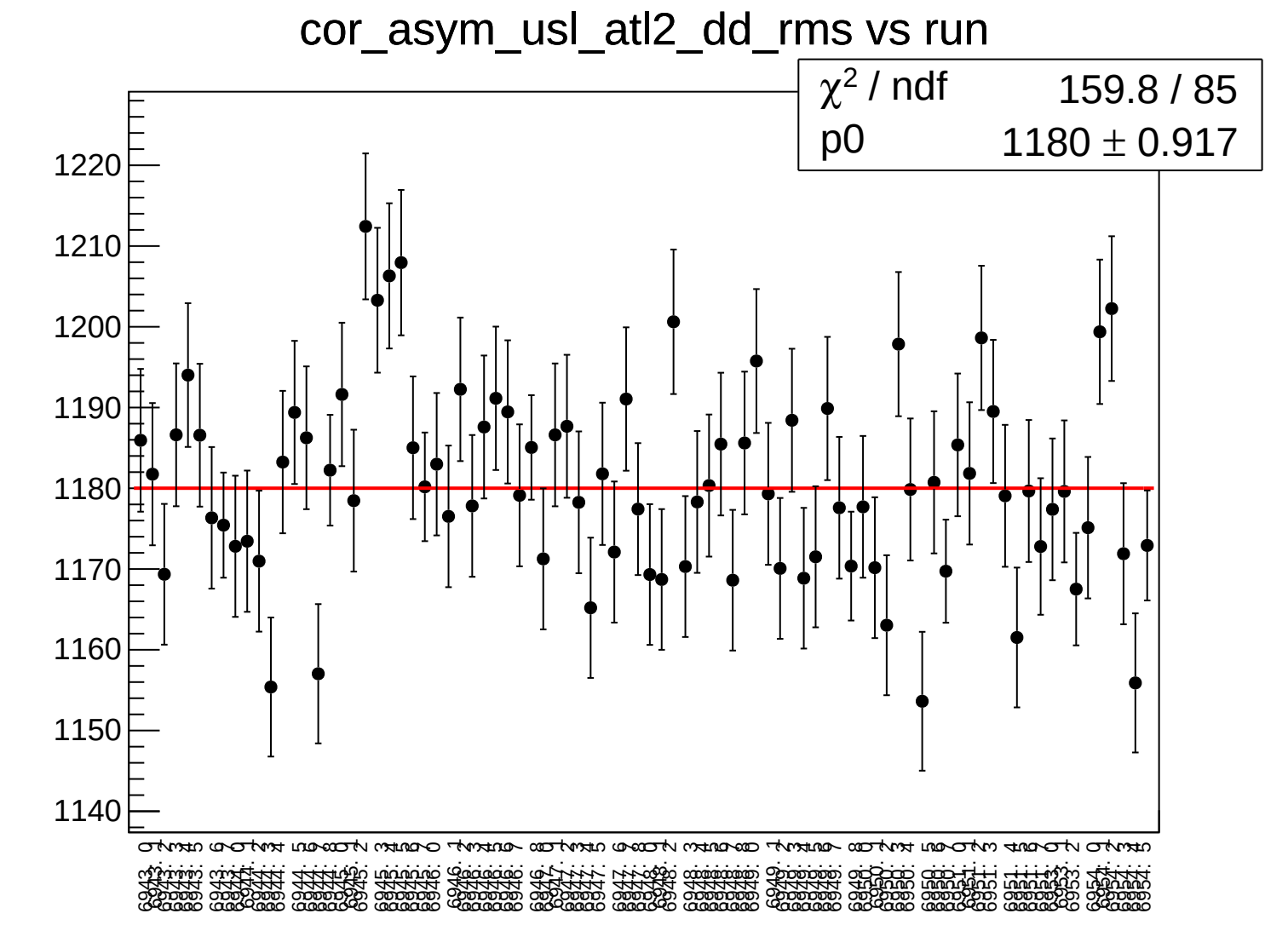

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 91.77 / 85
p0 −108.4 ± 5615
pull
Entries 86
Mean 124.2
Std Dev 0

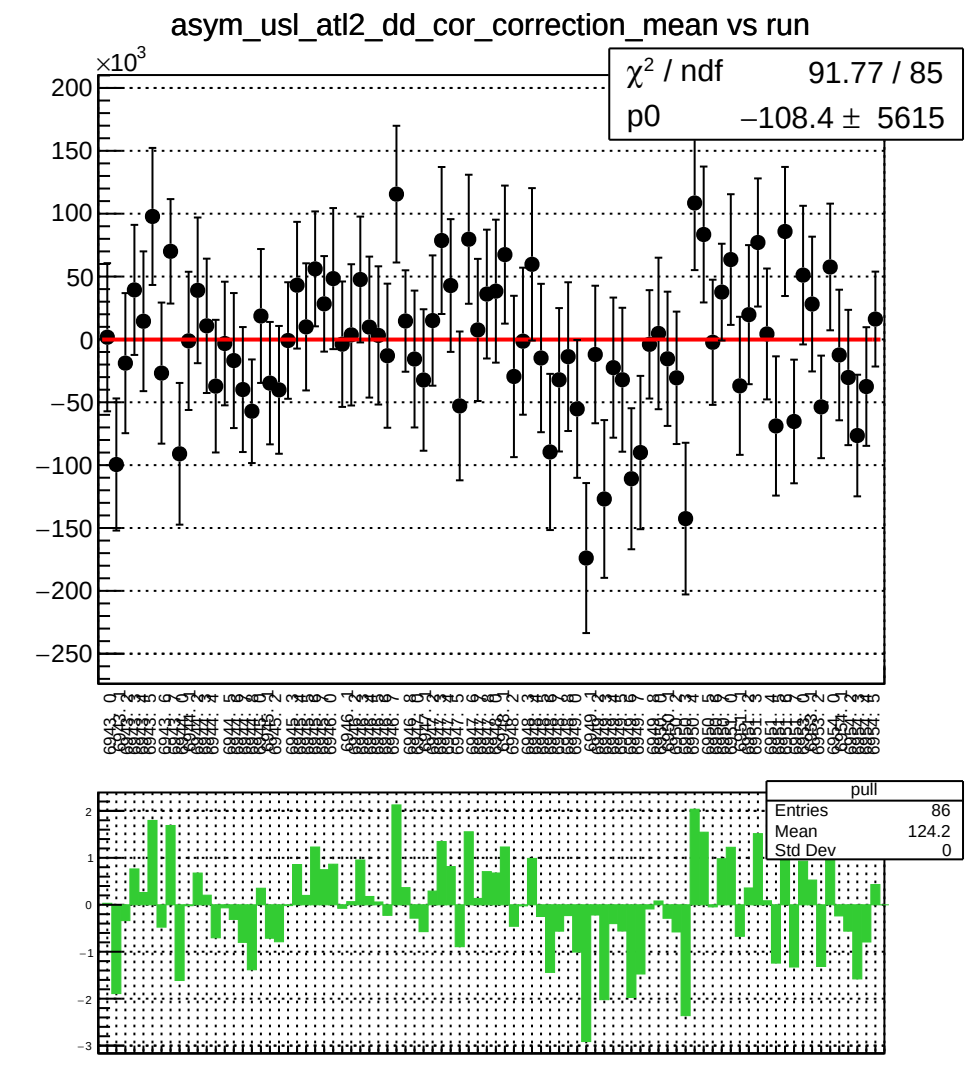

pull1D
Entries 86
Mean −0.02403
Std Dev 1.033

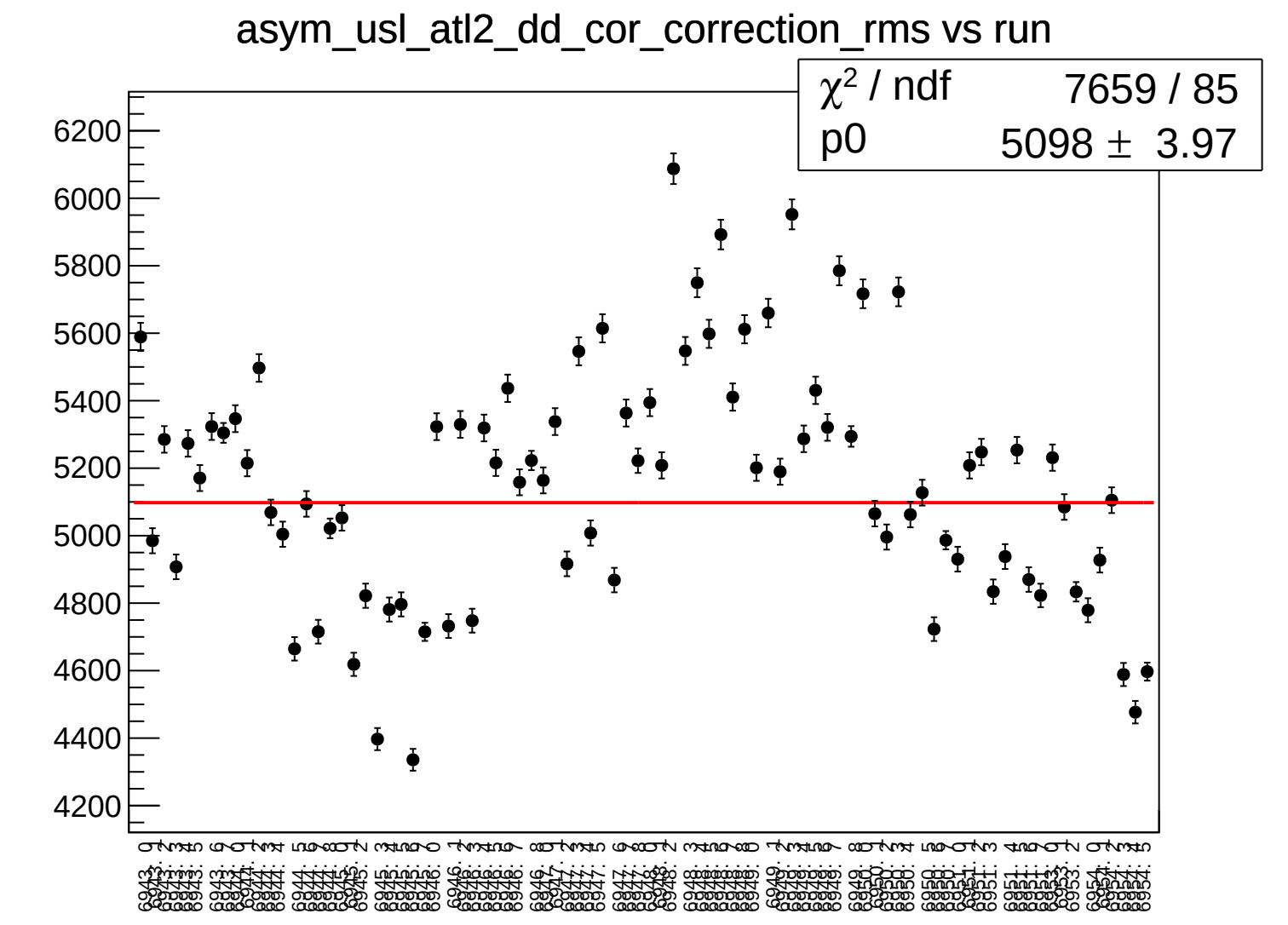

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 7659 / 85
p0 5098 ± 3.97
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

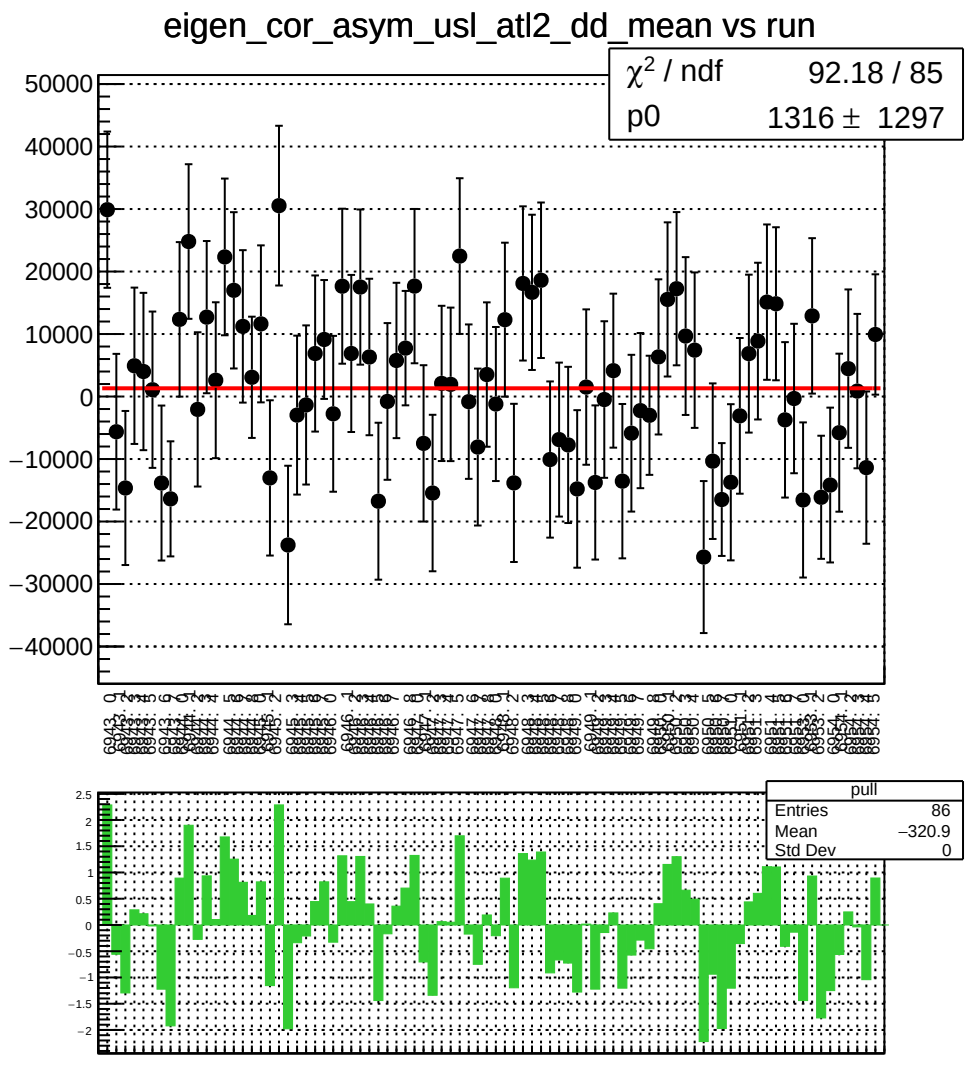

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 92.18 / 85
p0 1316 ± 1297
pull
Entries 86
Mean −320.9
Std Dev 0

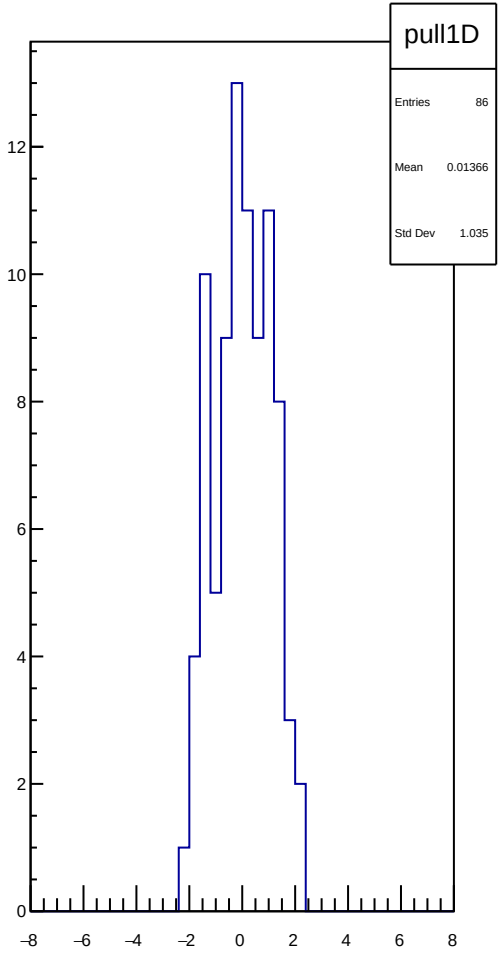

pull1D
Entries 86
Mean 0.01366
Std Dev 1.035

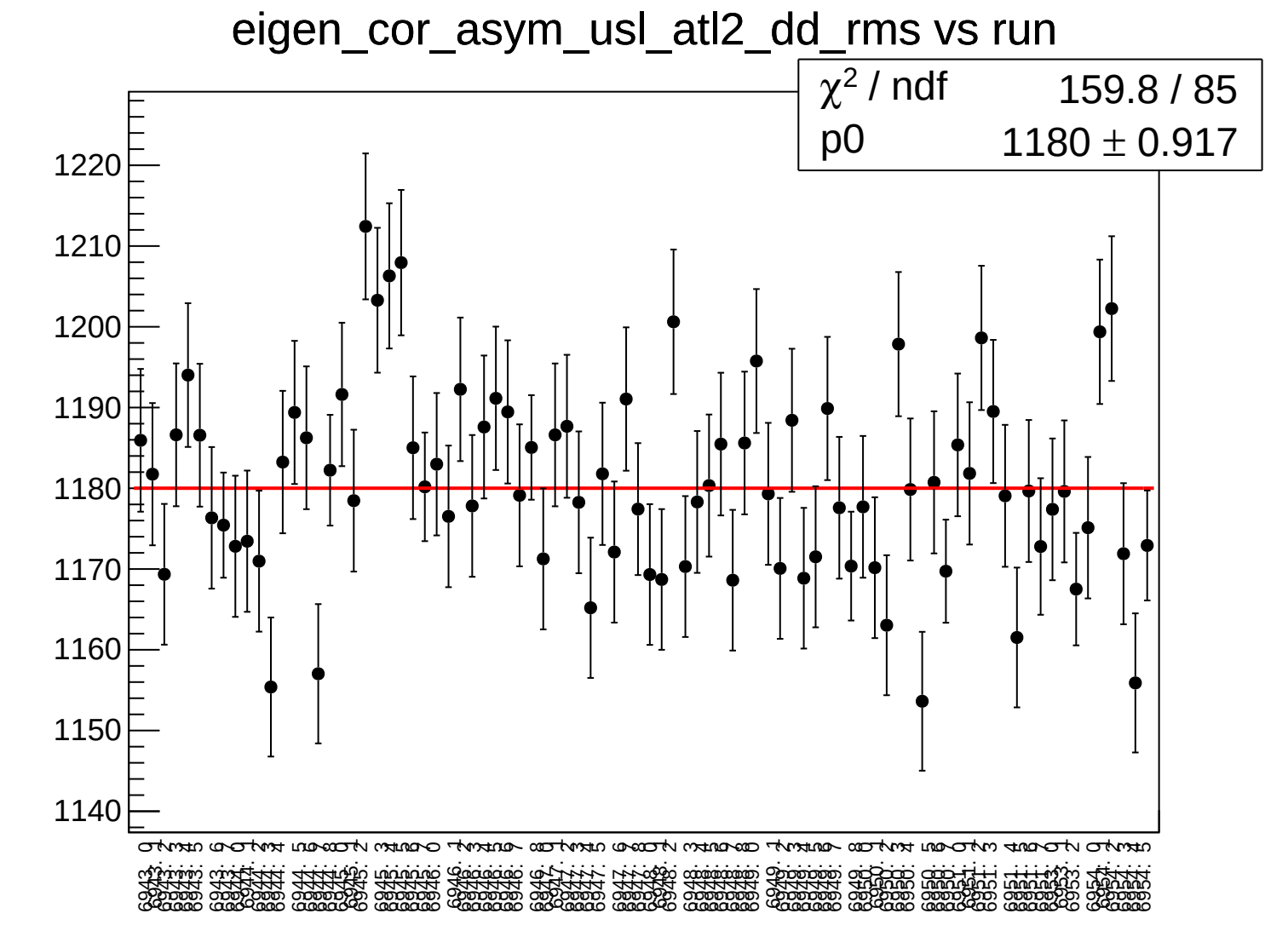

cor_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 159.8 / 85
p0 1180 ± 0.917
1220
1210
1200
1190
1180
1170
1160
1150
1140

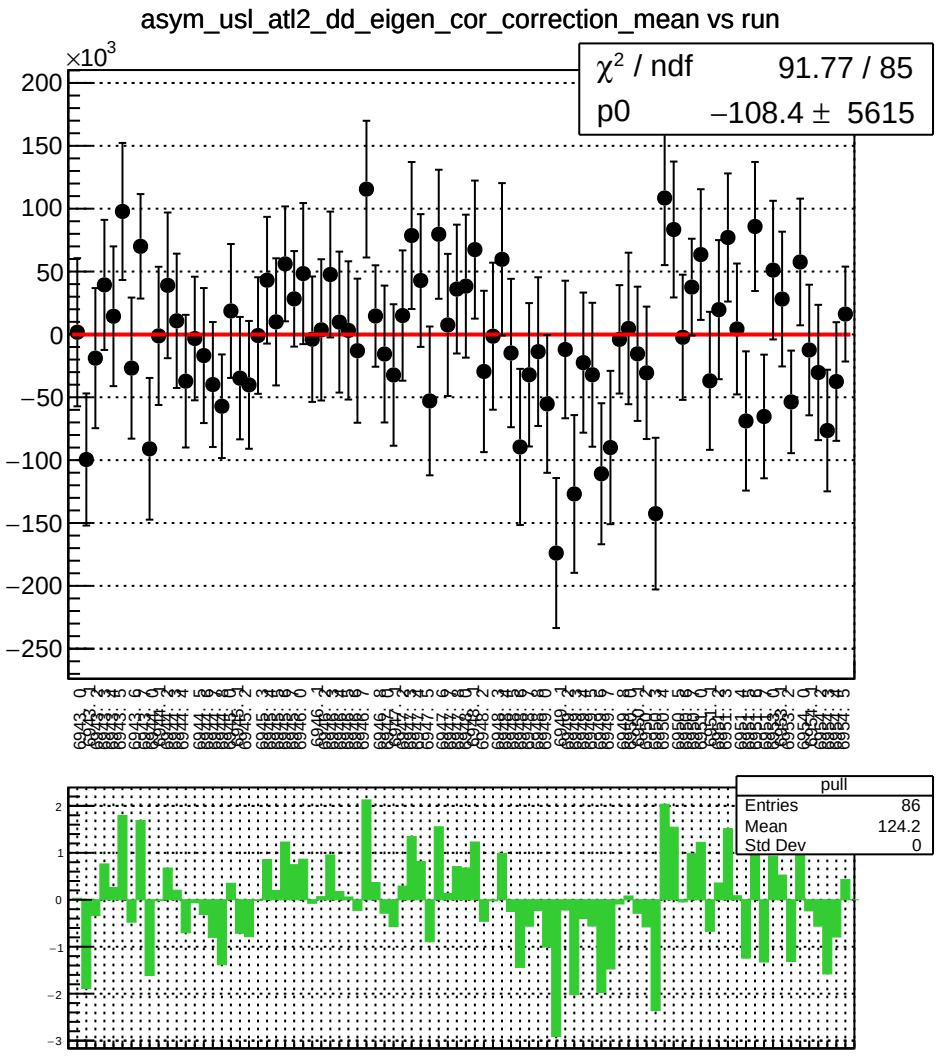

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.77 / 85
p0 −108.4 ± 5615
pull
Entries 86
Mean 124.2
Std Dev 0
pull1D
Entries 86
Mean −0.02403
Std Dev 1.033

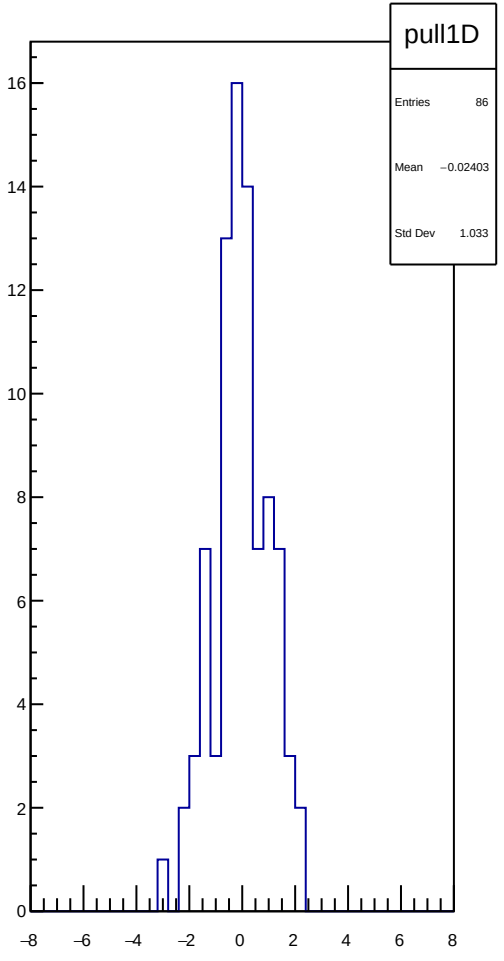

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 7659 / 85
p0 5098 ± 3.97
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

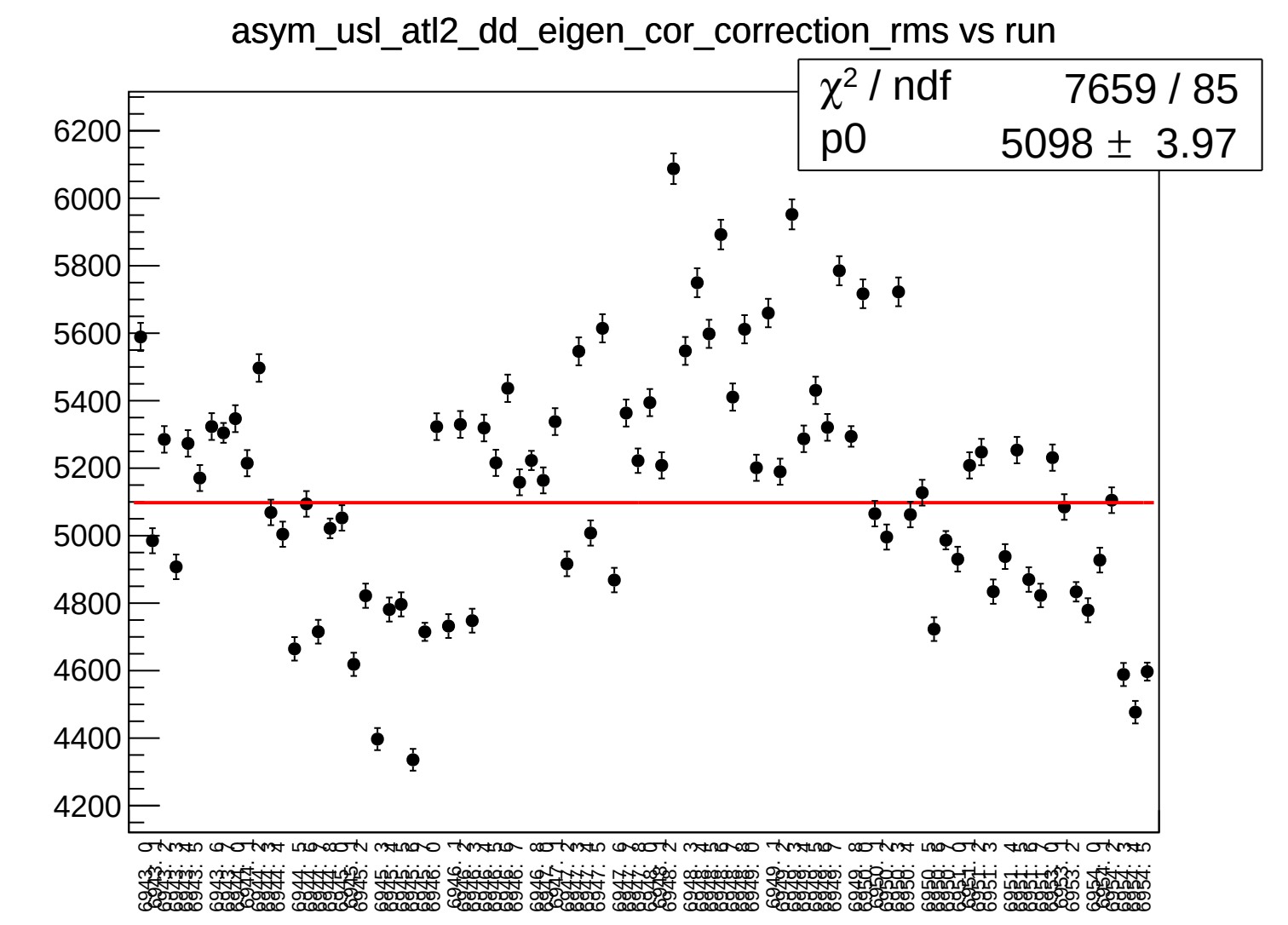

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 92.18 / 85
p0 1316 ± 1297
pull
Entries 86
Mean −320.9
Std Dev 0

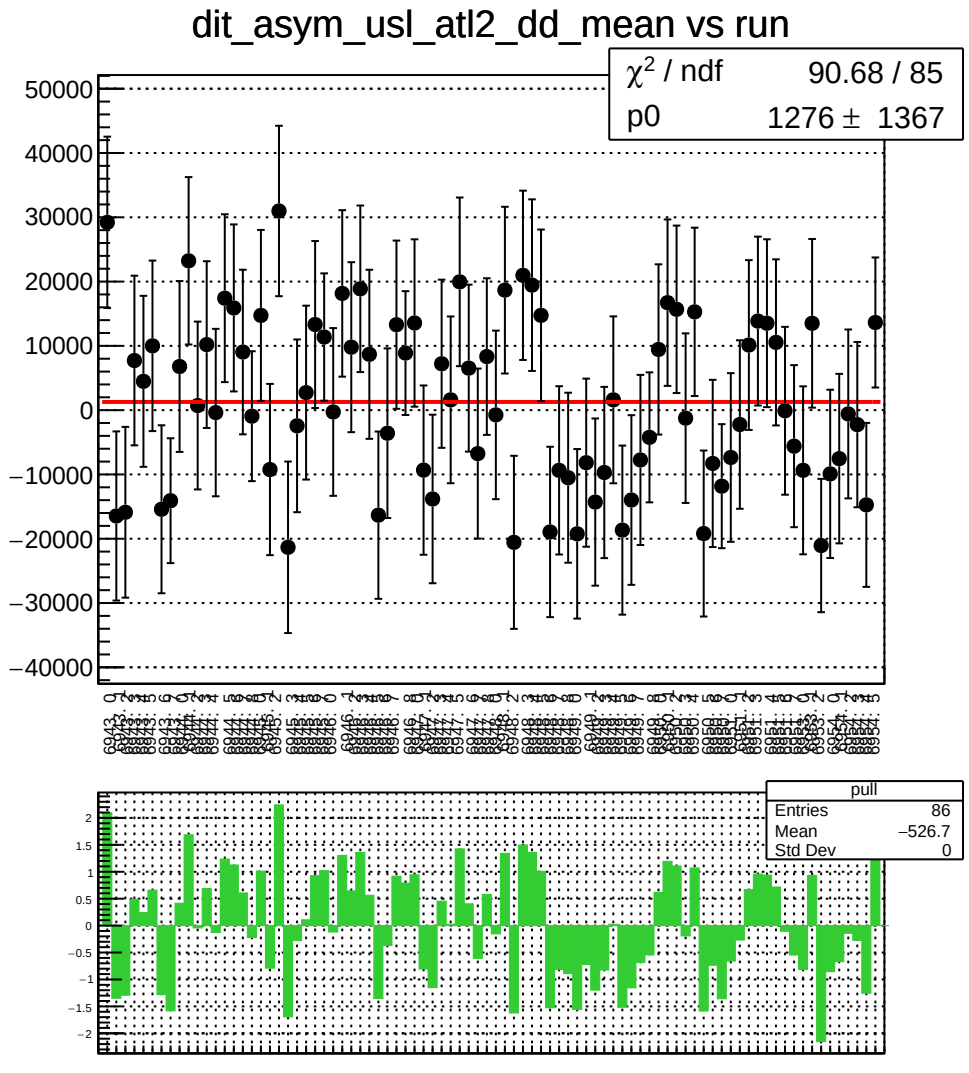

pull1D
Entries 86
Mean 0.01366
Std Dev 1.035

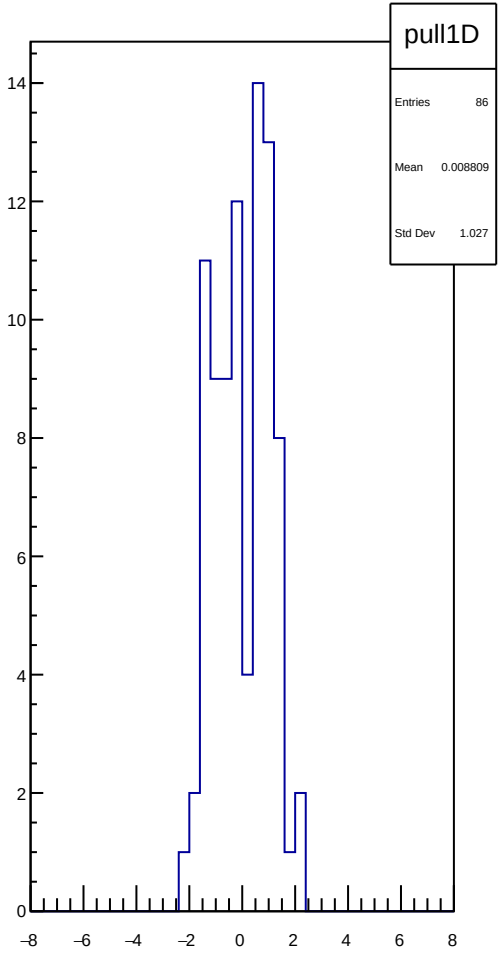

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 159.8 / 85
p0 1180 ± 0.917
1220
1210
1200
1190
1180
1170
1160
1150
1140

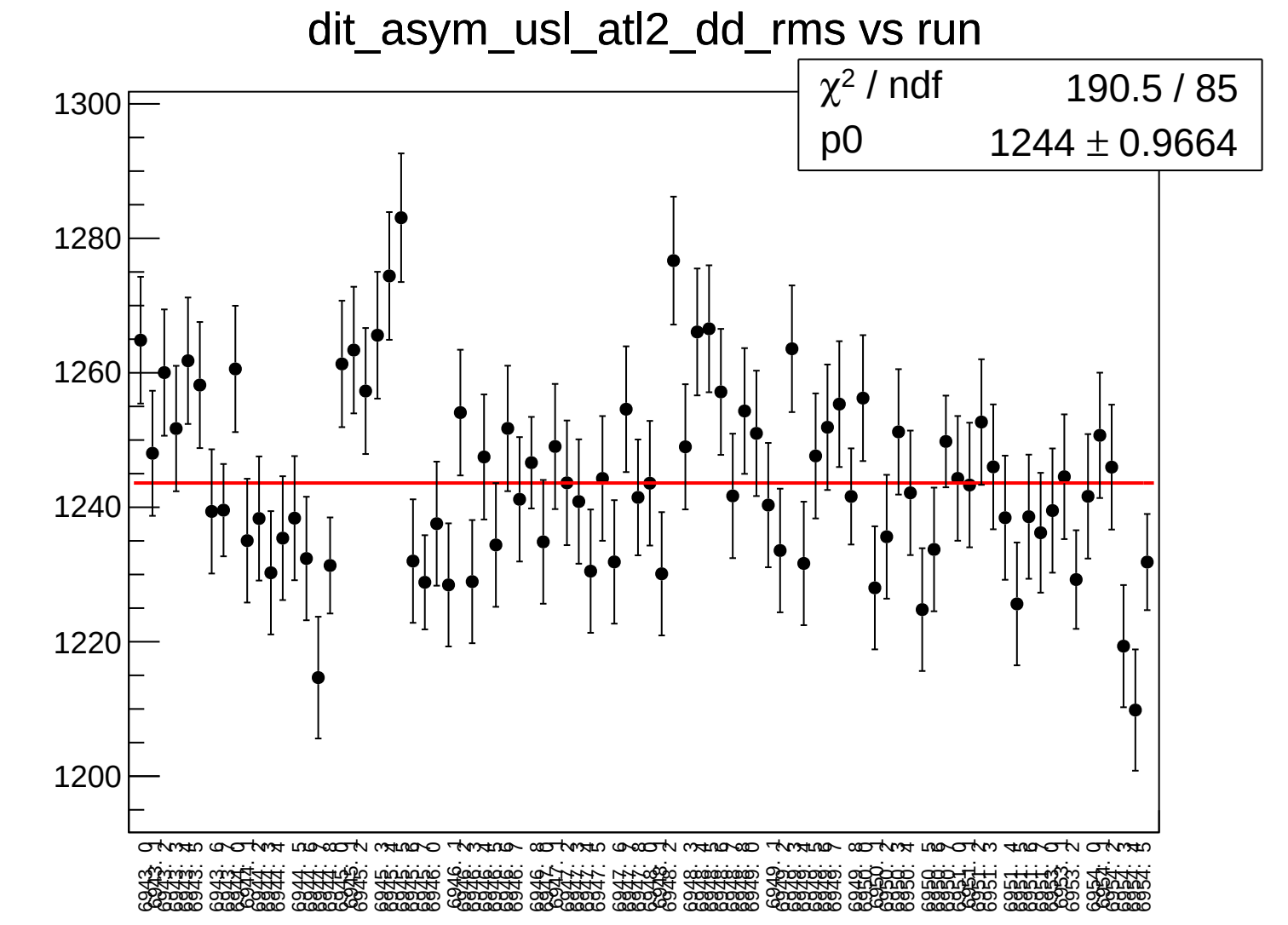

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.77 / 85
p0 −108.4 ± 5615
pull
Entries 86
Mean 124.2
Std Dev 0

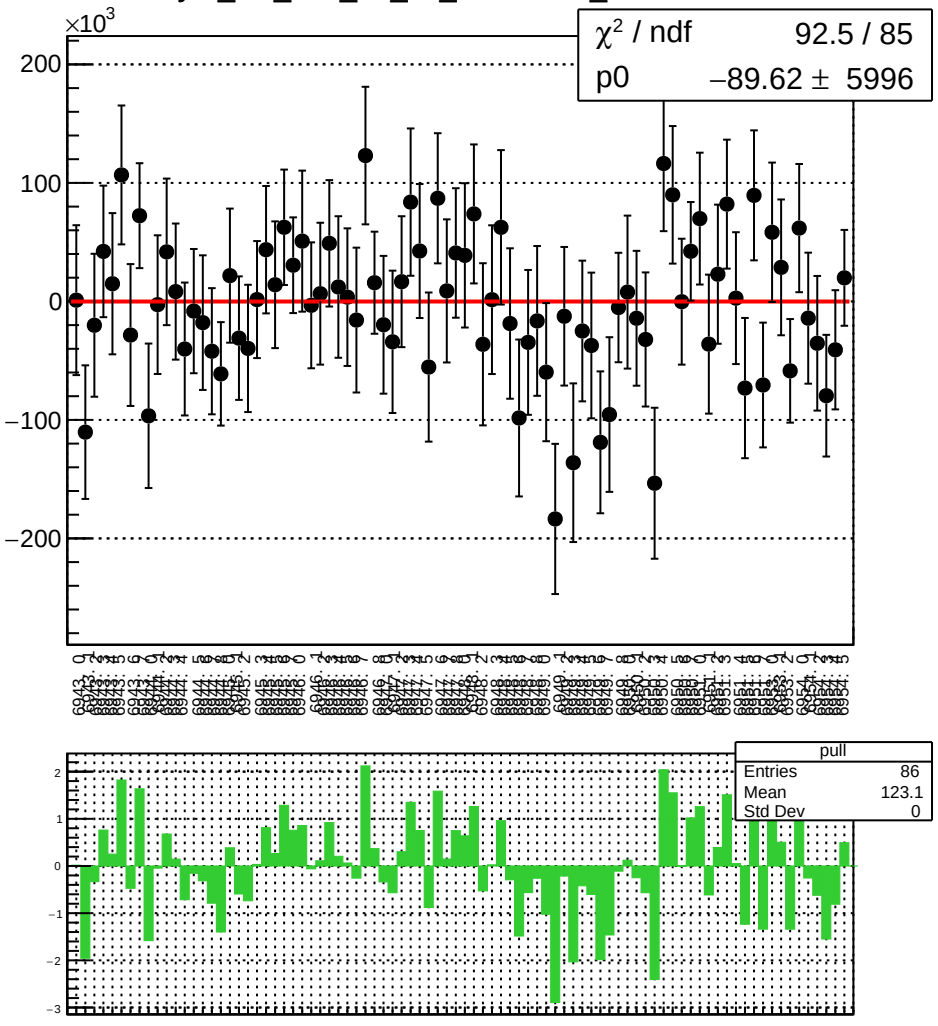

pull1D
Entries 86
Mean −0.02403
Std Dev 1.033

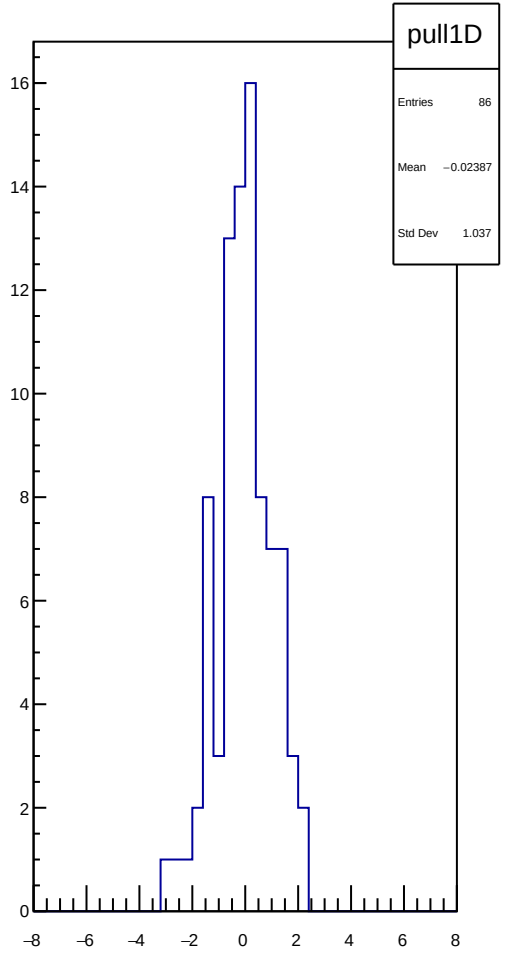

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7659 / 85
p0 5098 ± 3.97
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

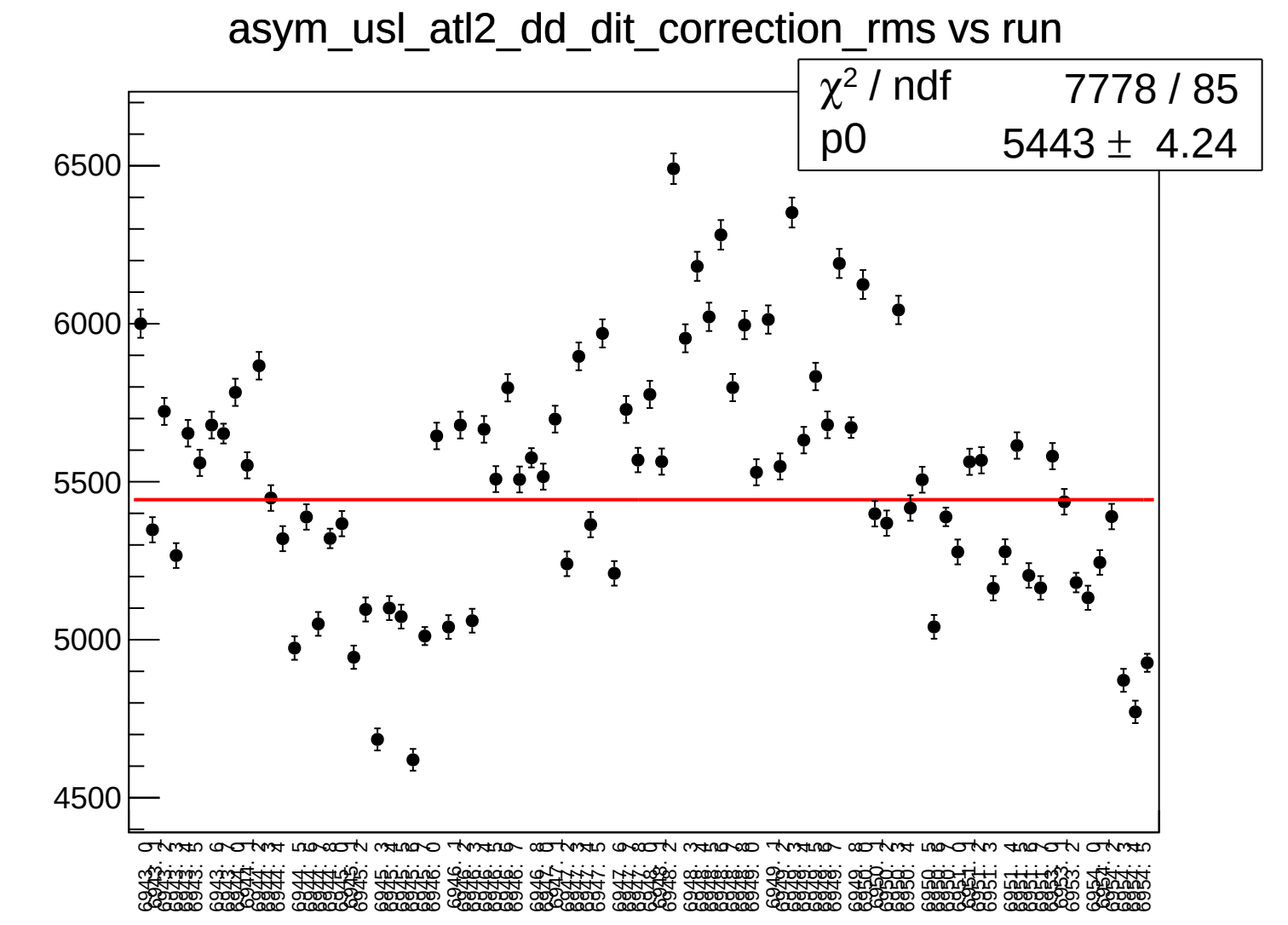

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 90.68 / 85
p0 1276 ± 1367
pull
Entries 86
Mean −526.7
Std Dev 0

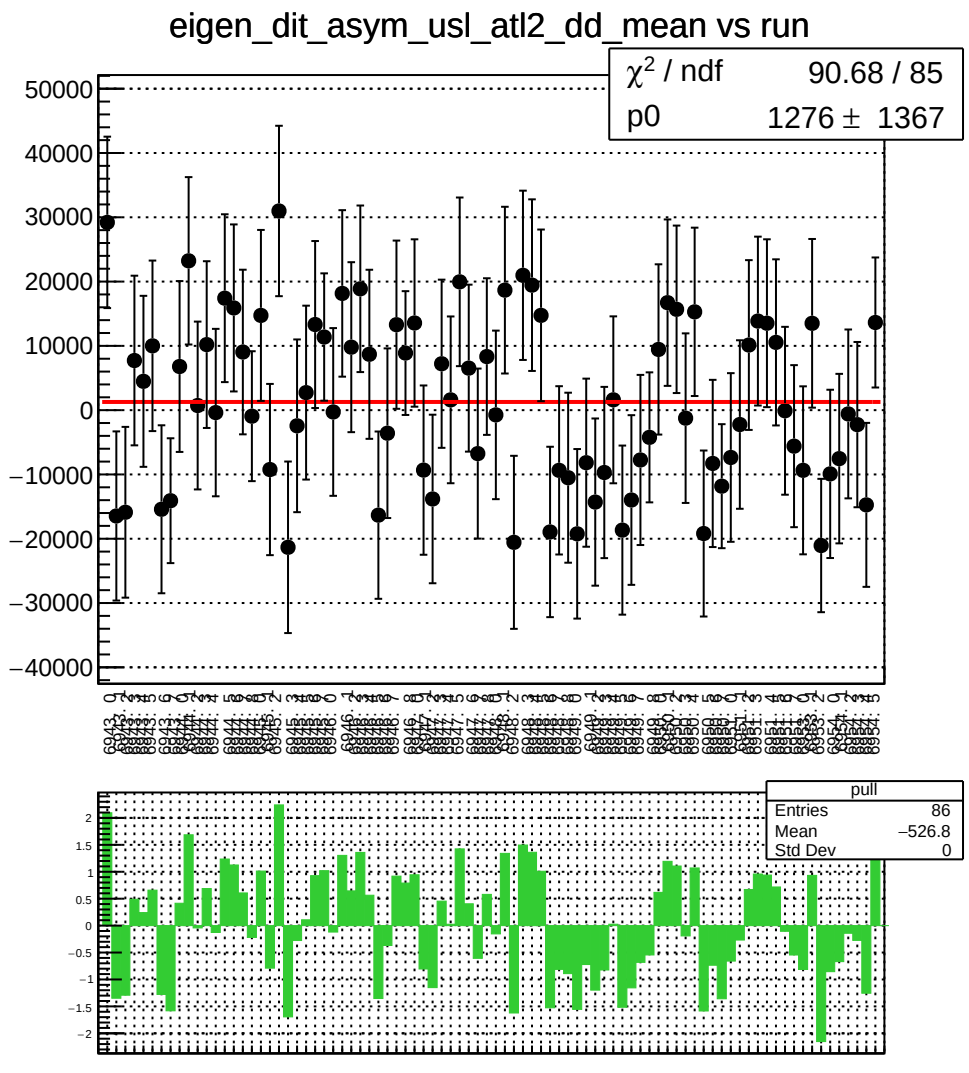

pull1D
Entries 86
Mean 0.008809
Std Dev 1.027

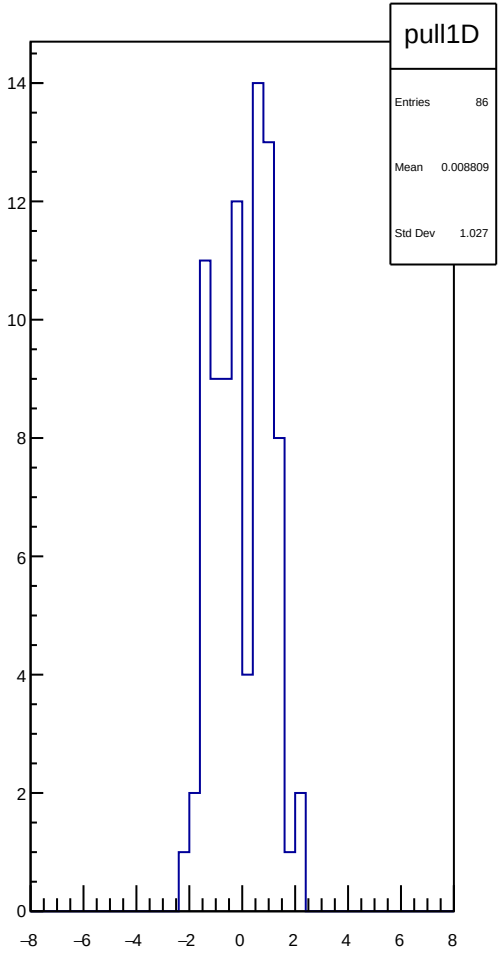

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 190.5 / 85
p0 1244 ± 0.9664
1300
1280
1260
1240
1220
1200

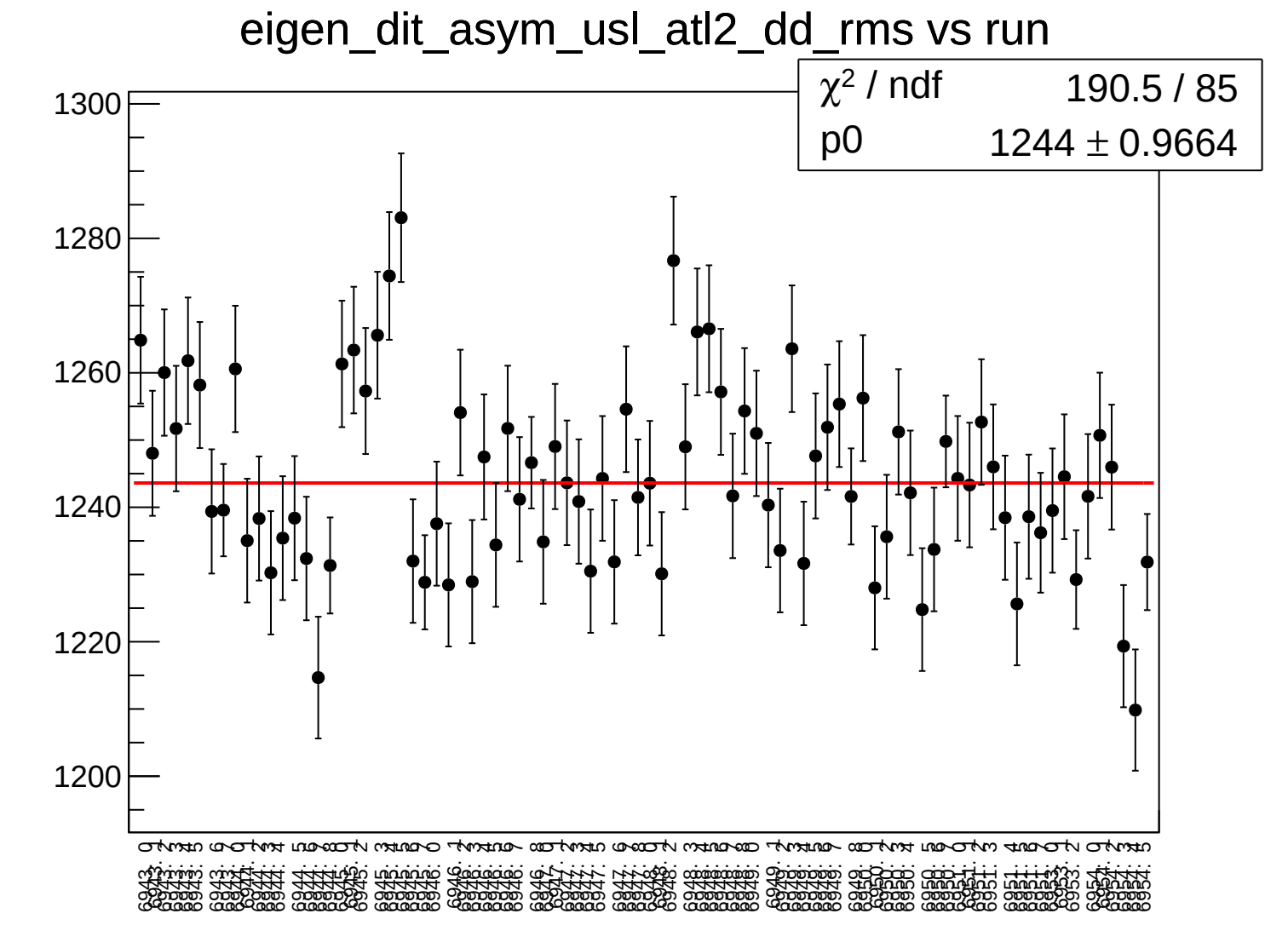

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.5 / 85
p0 −89.62 ± 5996
200
100
0
−100
−200
pull
Entries 86
Mean 123.1
Std Dev 0
2
1
0
−1
−2
−3

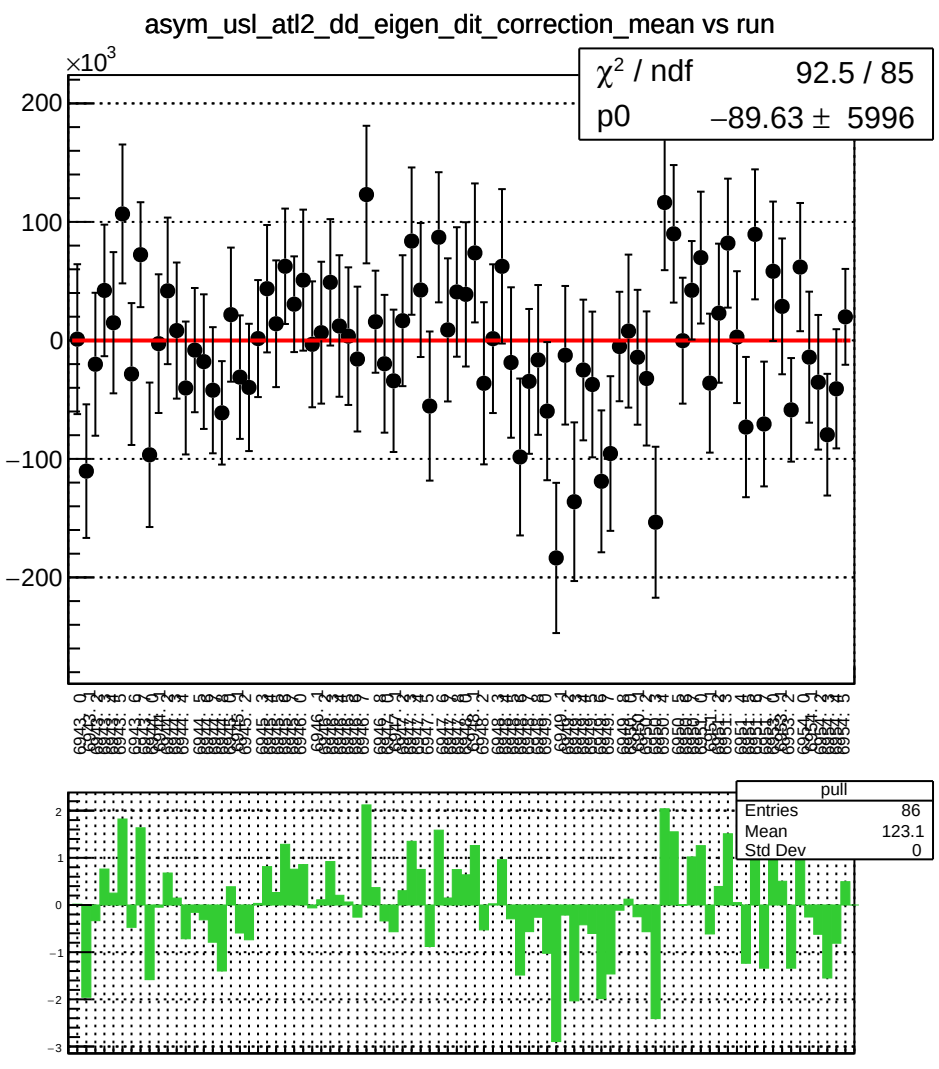

pull1D
Entries 86
Mean −0.02387
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

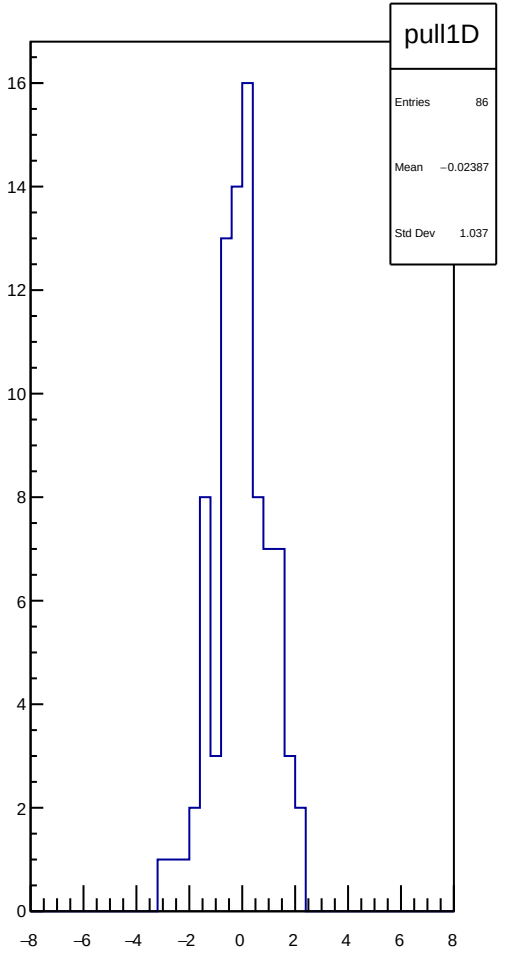

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 7778 / 85
p0 5443 ± 4.24
6500
6000
5500
5000
4500

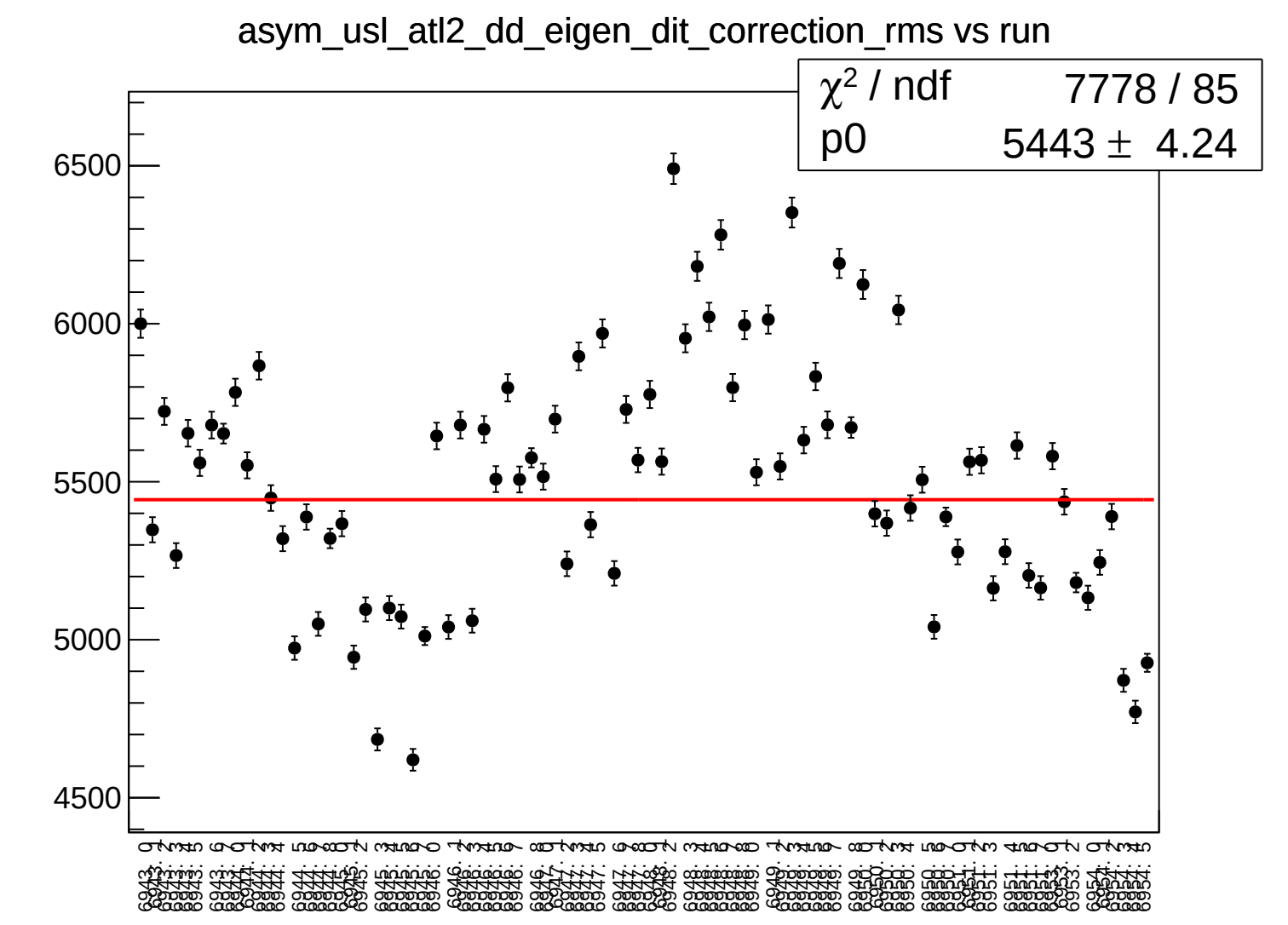

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 90.68 / 85
p0 1276 ± 1367
pull
Entries 86
Mean −526.8
Std Dev 0

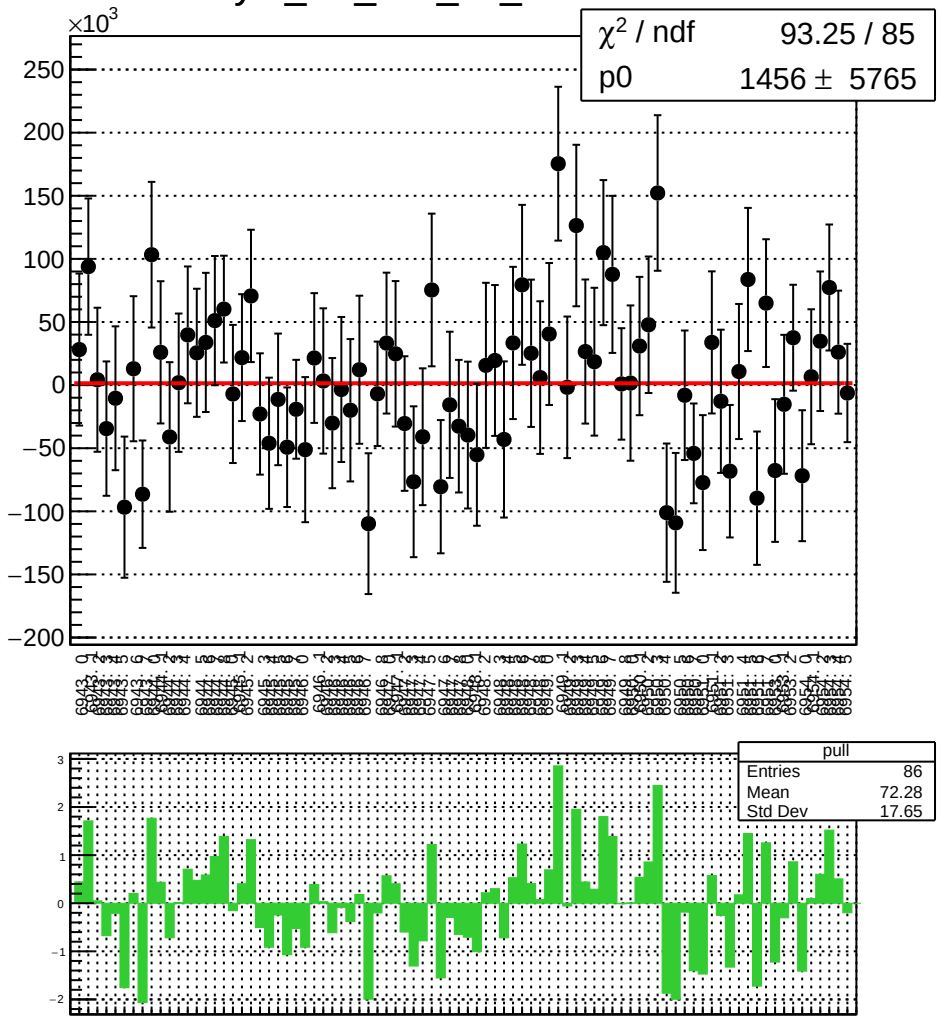

pull1D
Entries 86
Mean 0.008809
Std Dev 1.027

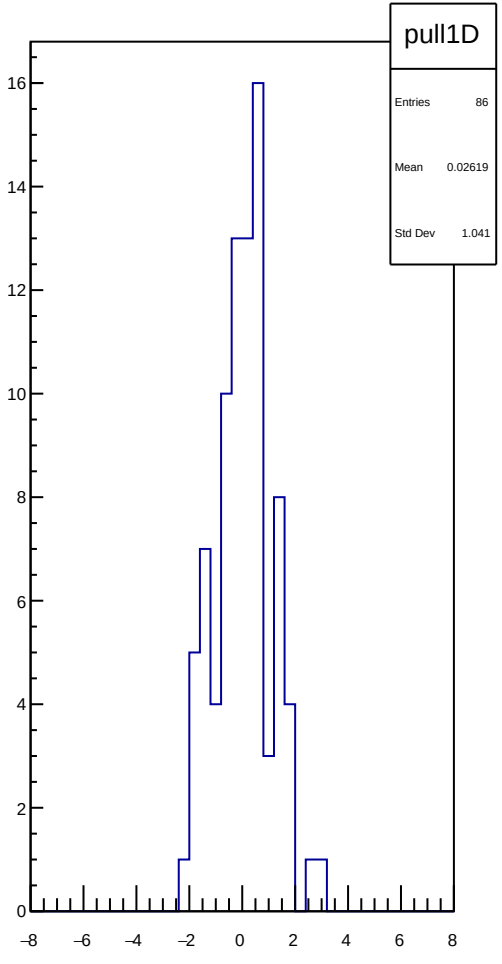

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 190.5 / 85
p0 1244 ± 0.9664
1300
1280
1260
1240
1220
1200

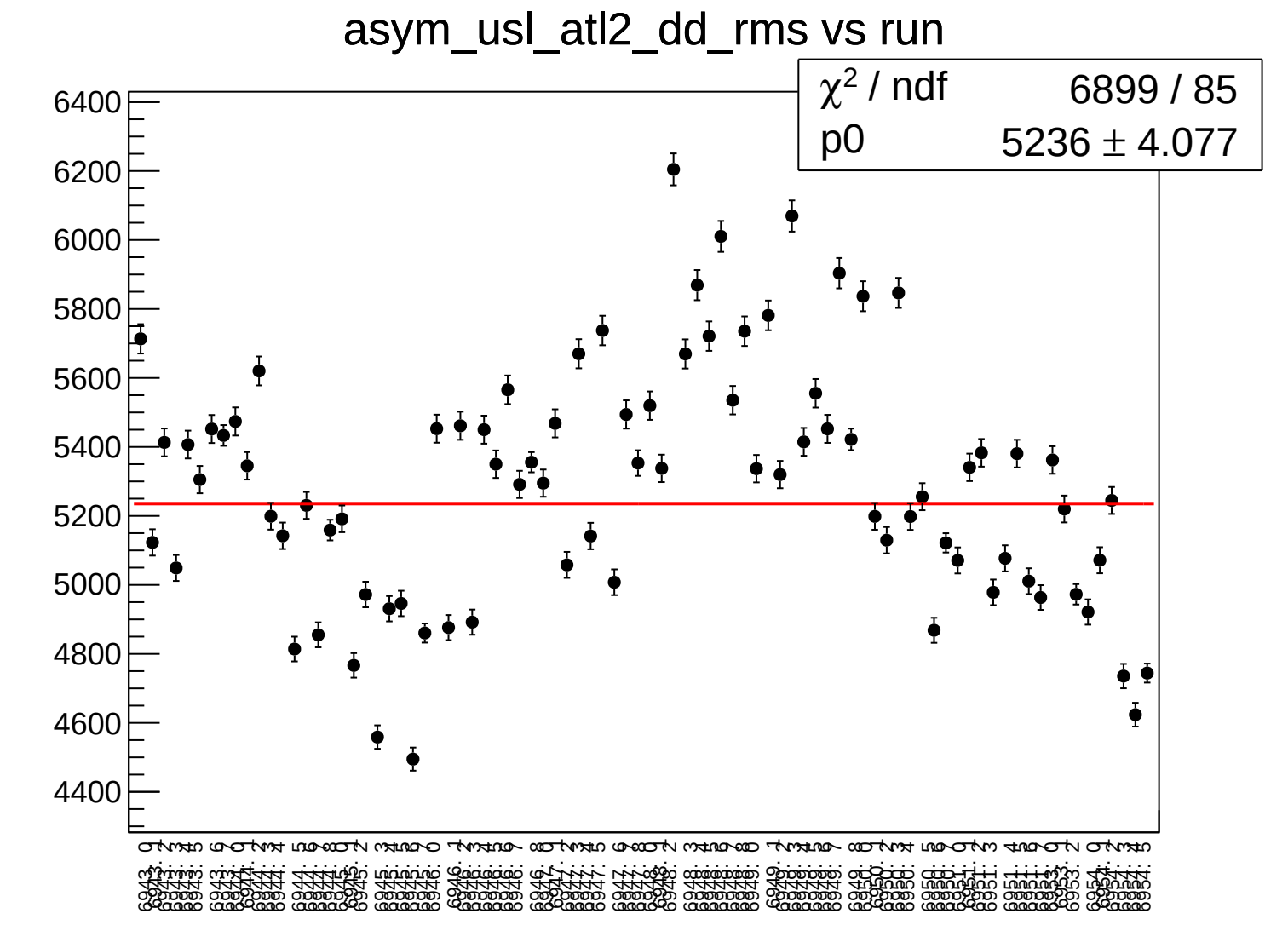

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.5 / 85
p0 −89.63 ± 5996
200
100
0
−100
−200
pull
Entries 86
Mean 123.1
Std Dev 0
2
1
0
−1
−2
−3

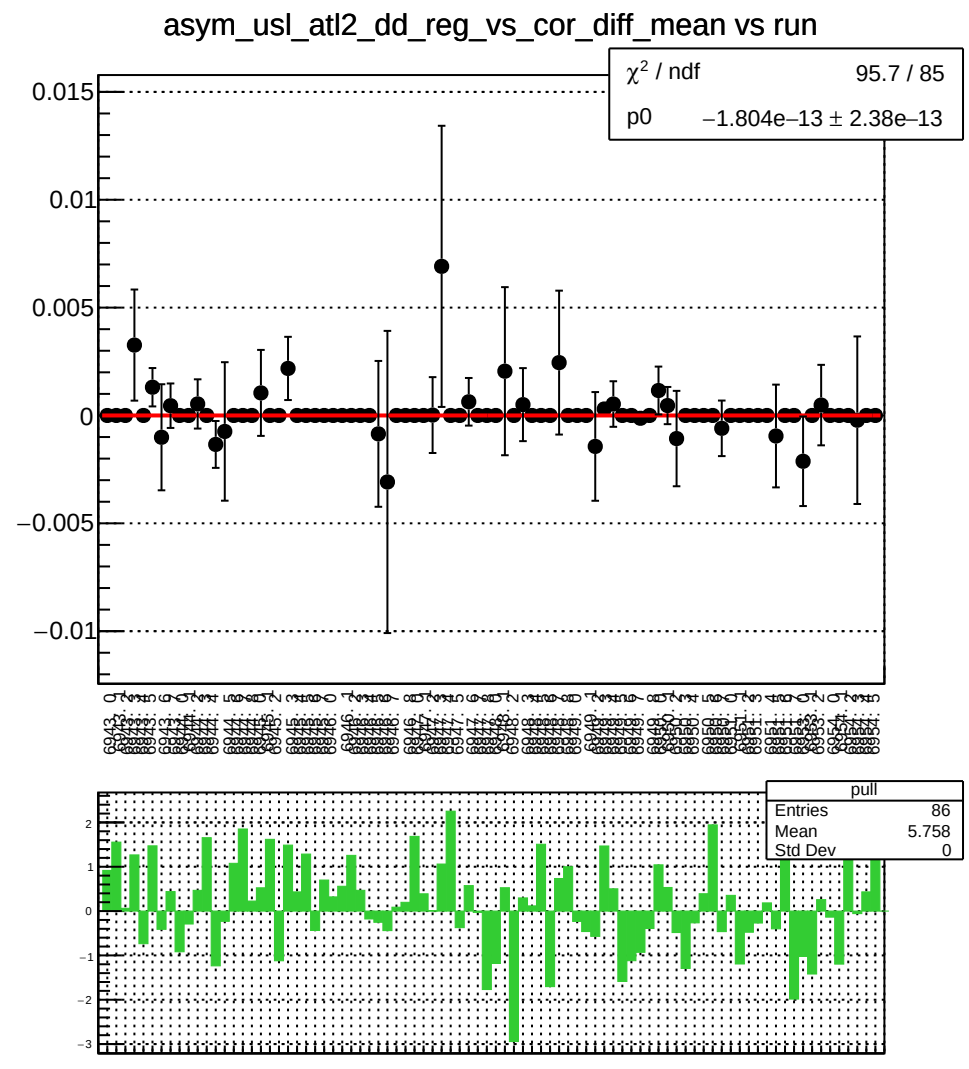

pull1D
Entries 86
Mean −0.02387
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

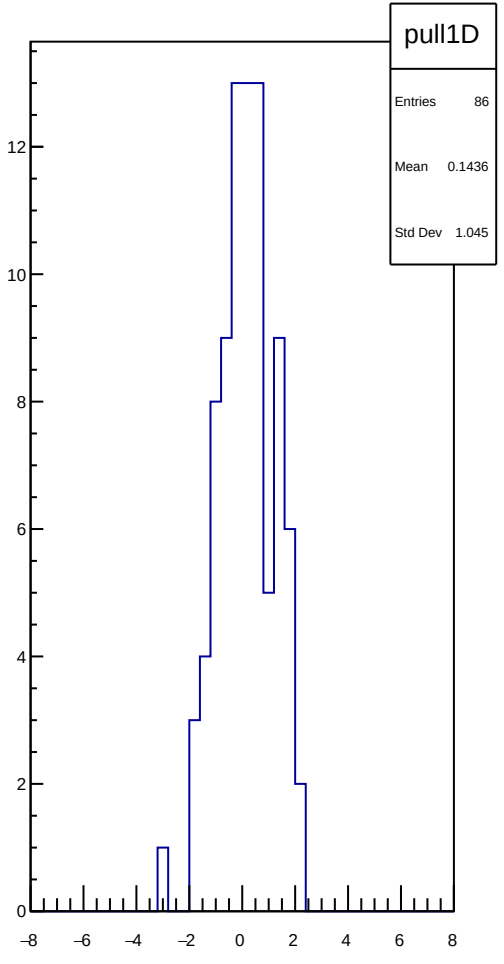

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7778 / 85
p0 5443 ± 4.24
6500
6000
5500
5000
4500

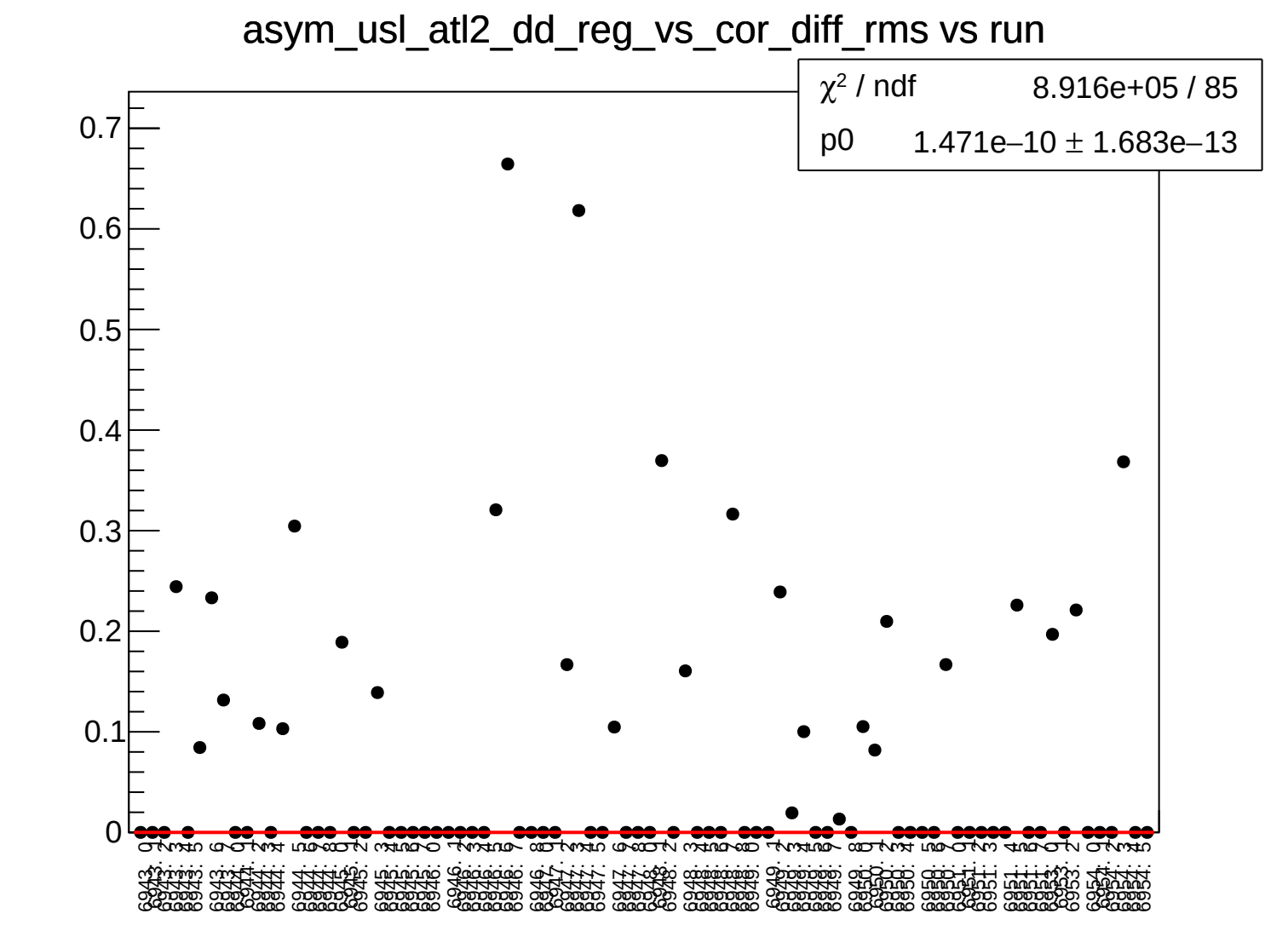

asym_usl_atl2_dd_mean vs run
×10^3
χ^2 / ndf 93.25 / 85
p0 1456 ± 5765
pull
Entries 86
Mean 72.28
Std Dev 17.65

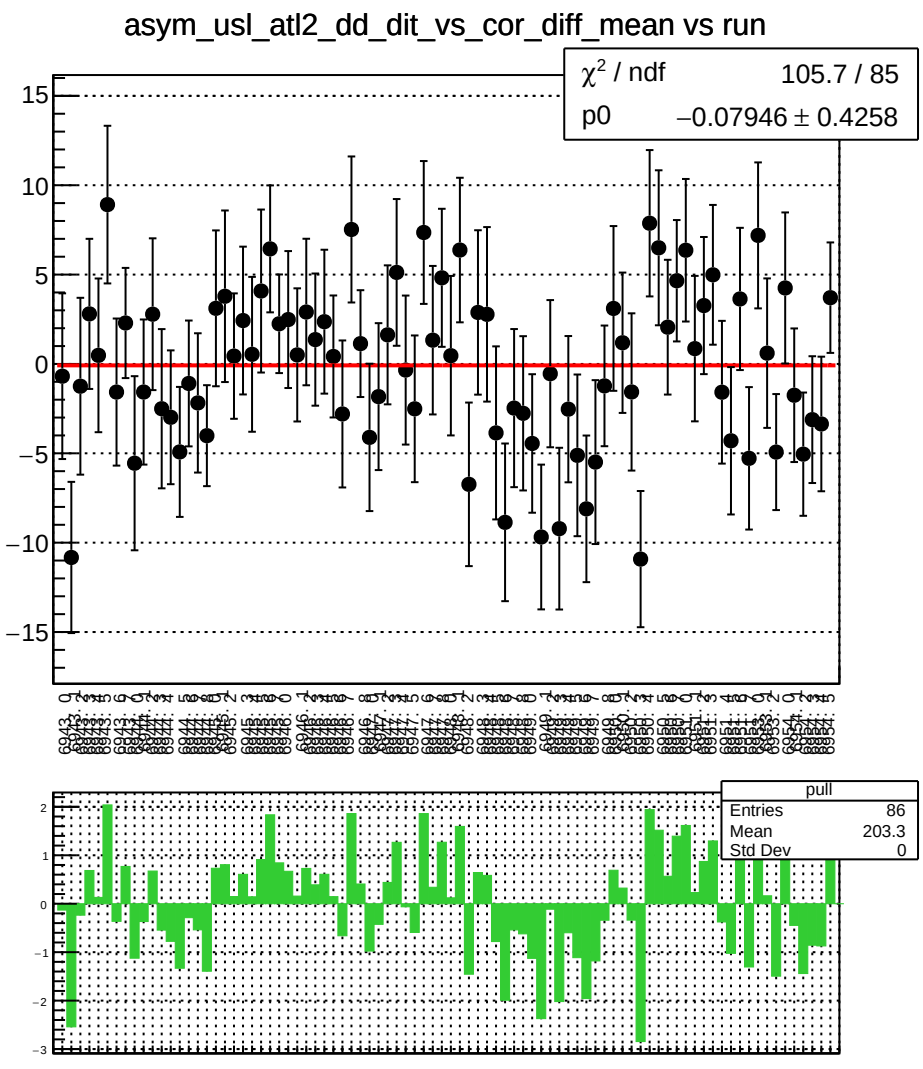

pull1D
Entries 86
Mean 0.02619
Std Dev 1.041

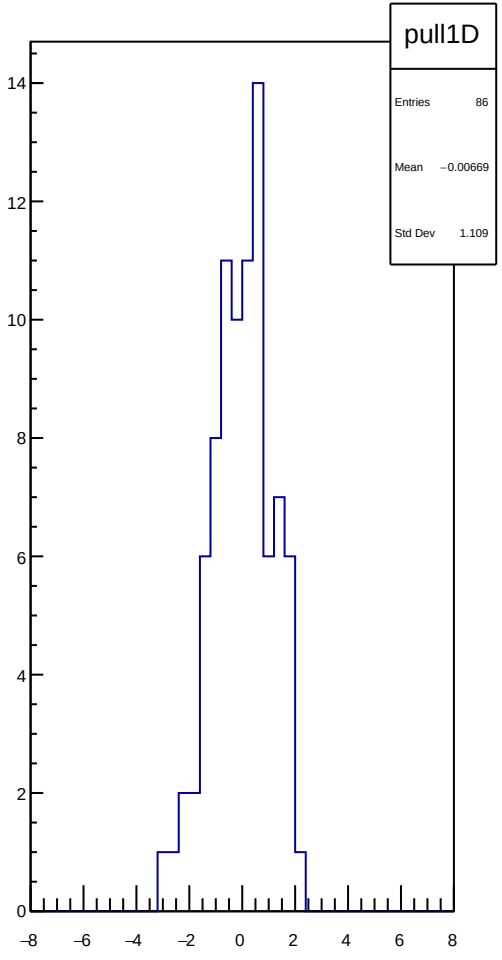

asym_usl_atl2_dd_rms vs run
χ² / ndf 6899 / 85
p0 5236 ± 4.077
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

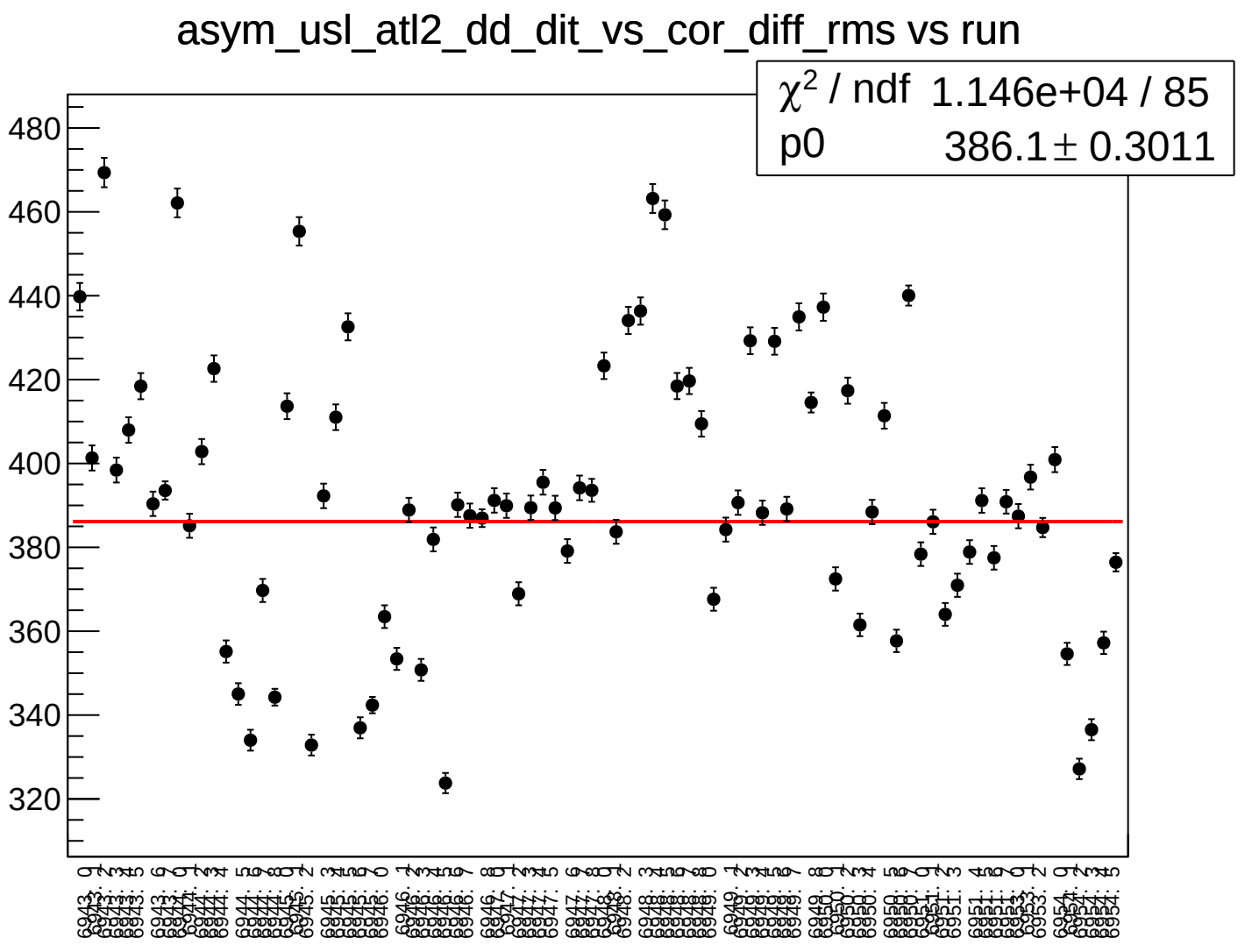

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 95.7 / 85
p0 −1.804e−13 ± 2.38e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 86
Mean 5.758
Std Dev 0
2
1
0
−1
−2
−3

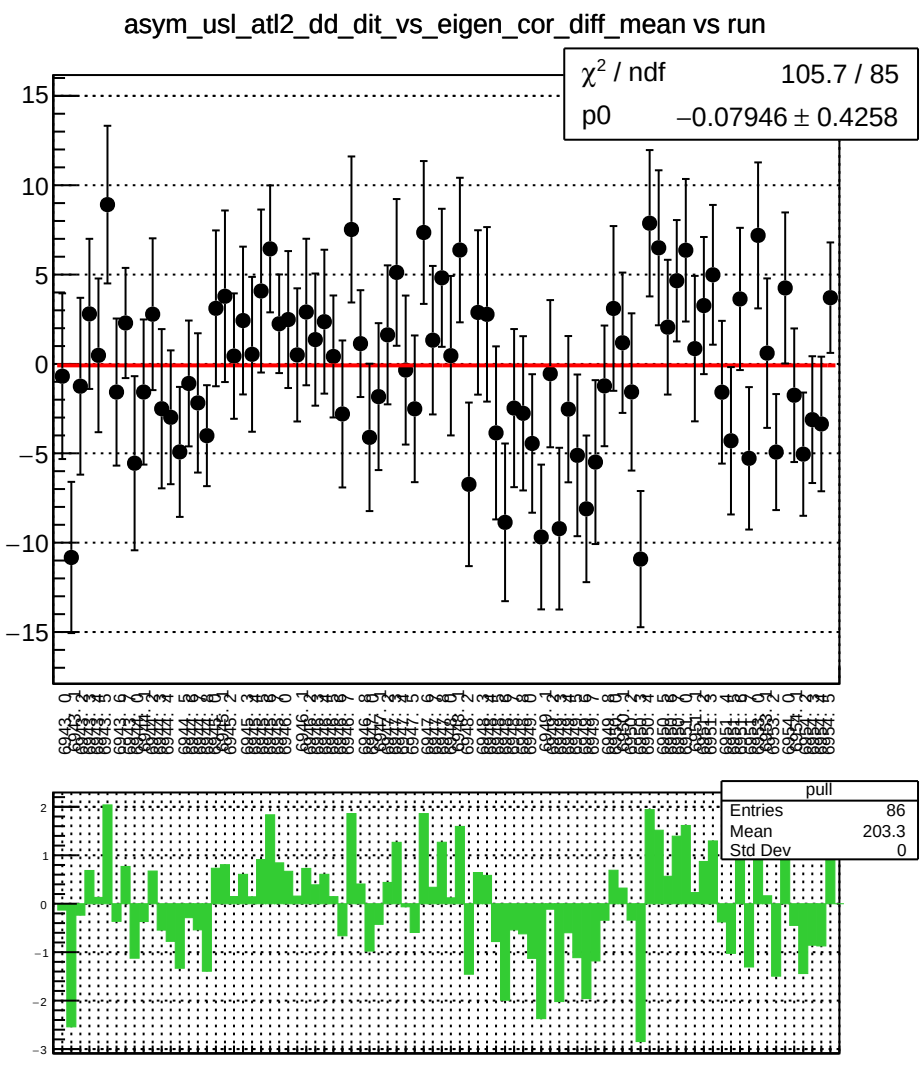

pull1D
Entries 86
Mean 0.1436
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

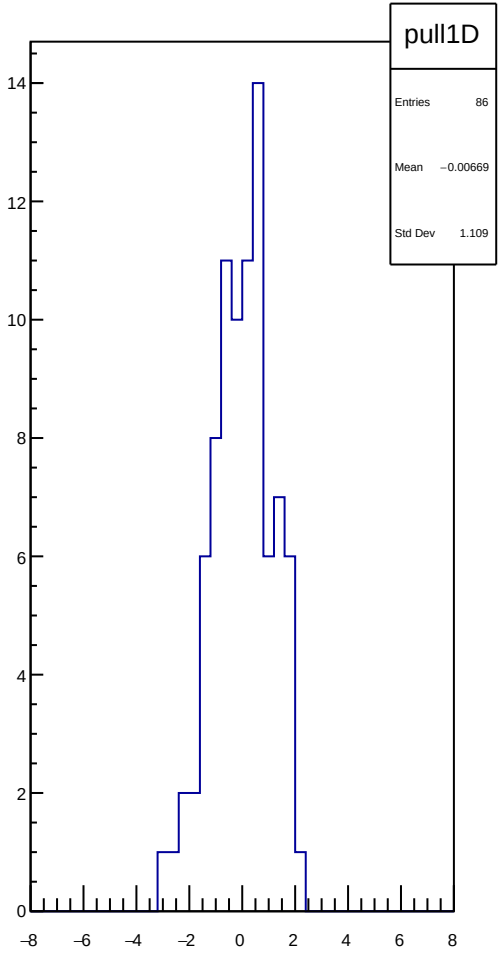

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.916e+05 / 85
p0 1.471e−10 ± 1.683e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

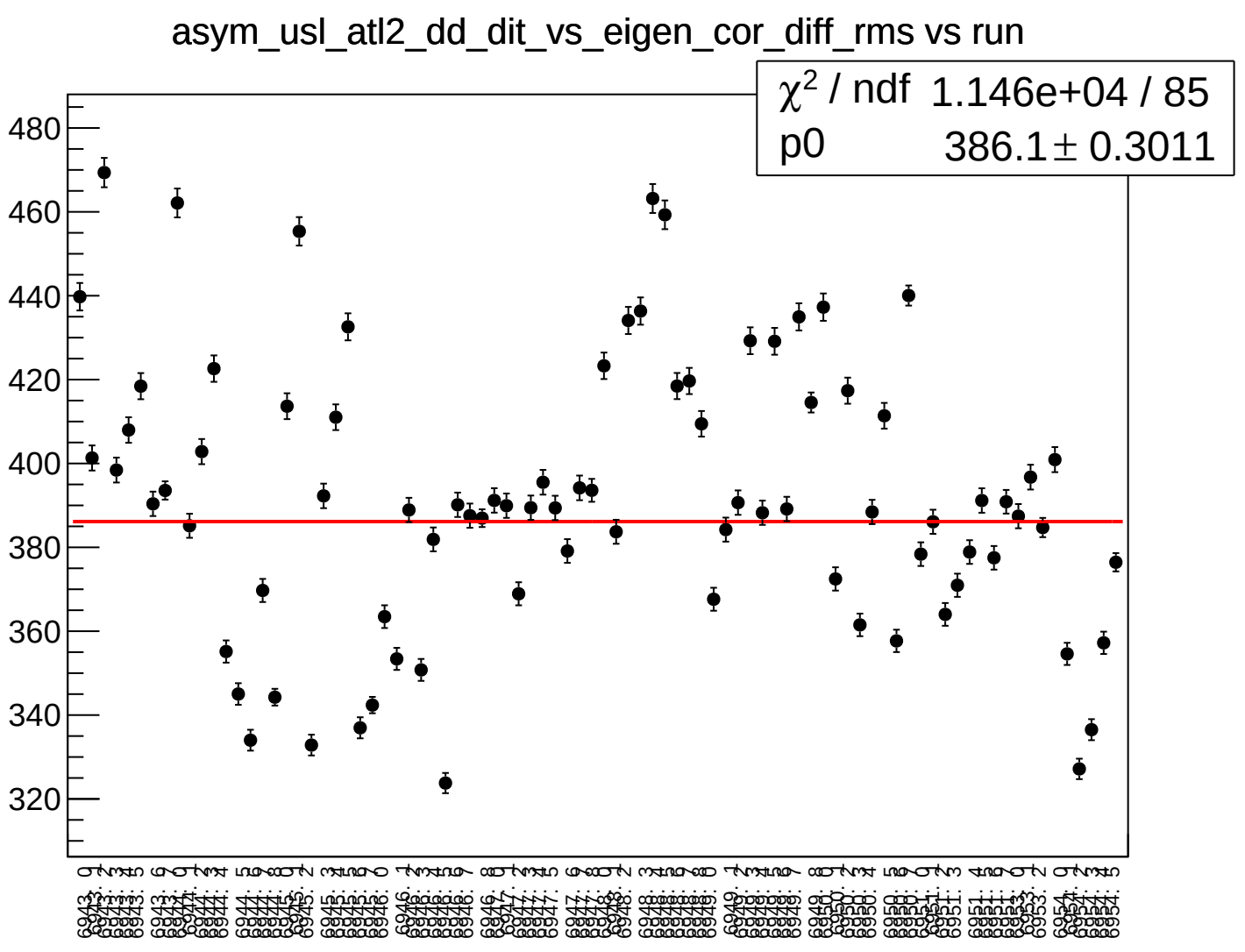

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.07946 ± 0.4258
pull
Entries 86
Mean 203.3
Std Dev 0

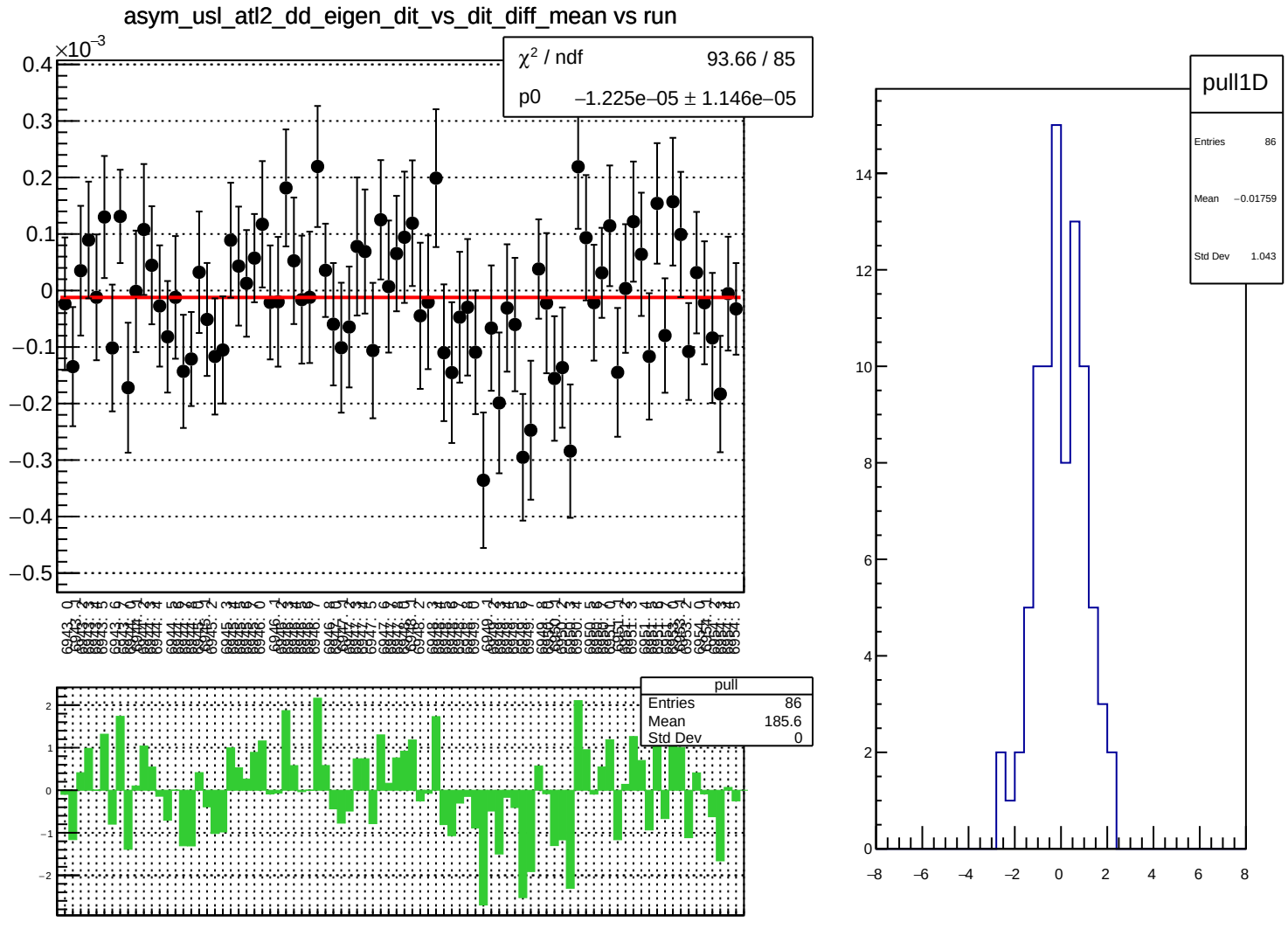

pull1D
Entries 86
Mean −0.00669
Std Dev 1.109

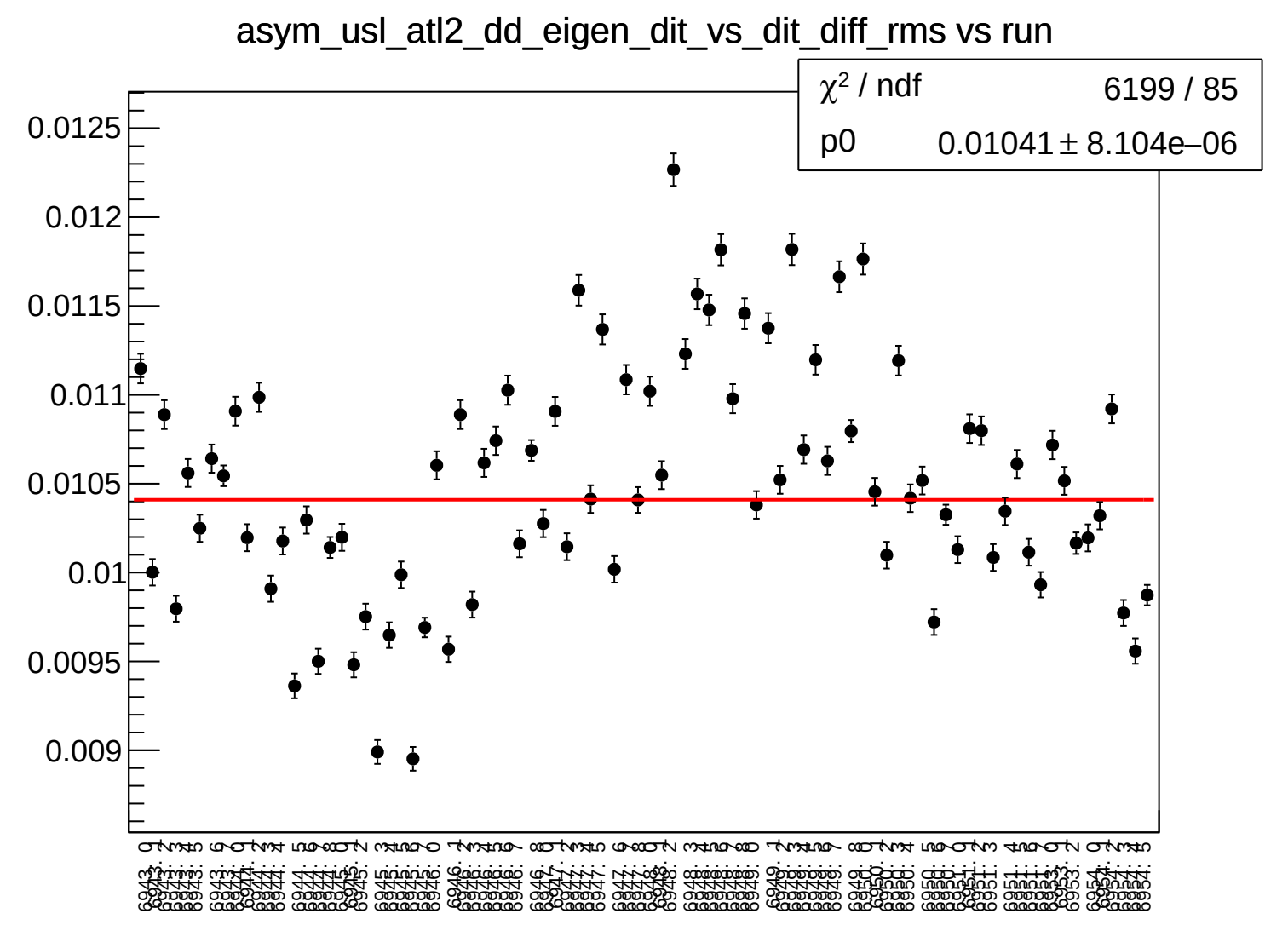

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.146e+04 / 85
p0 386.1 ± 0.3011
480
460
440
420
400
380
360
340
320

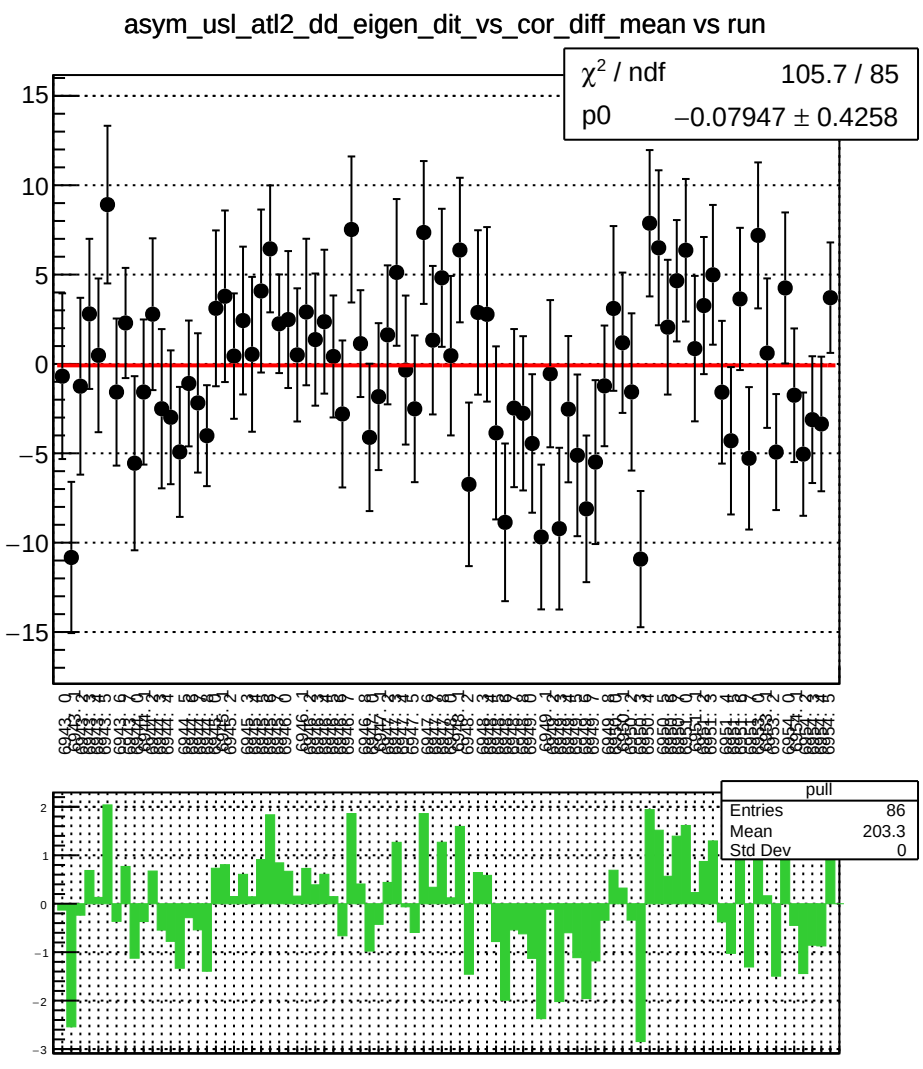

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.07946 ± 0.4258
pull
Entries 86
Mean 203.3
Std Dev 0

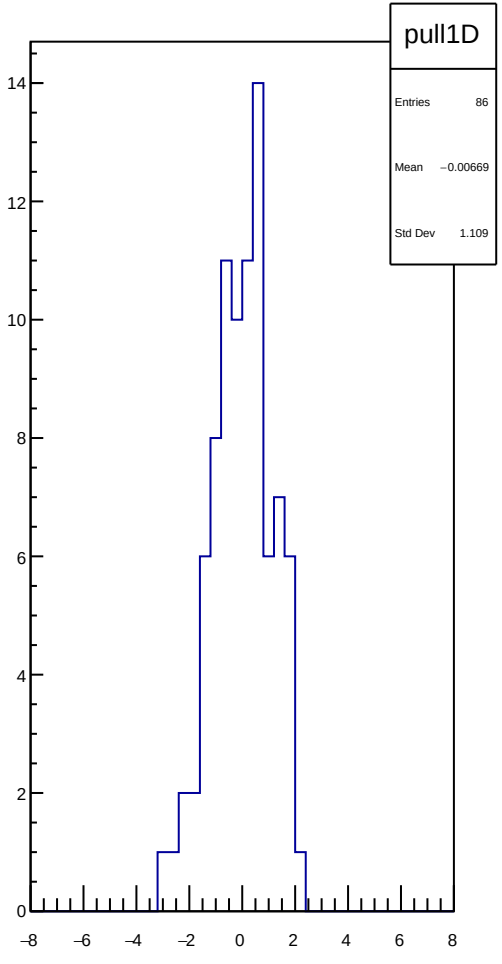

pull1D
Entries 86
Mean −0.00669
Std Dev 1.109

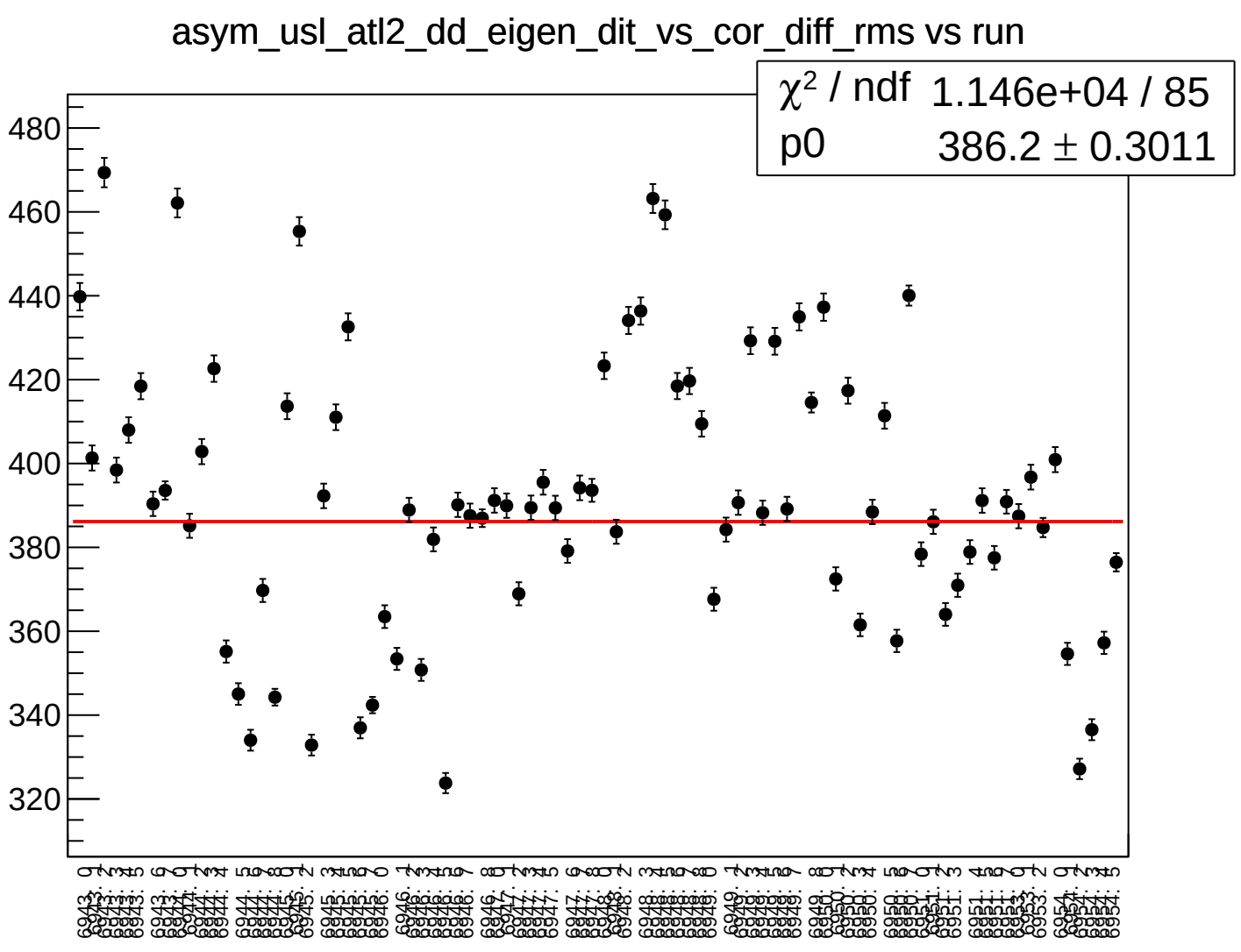

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.146e+04 / 85
p0 386.1 ± 0.3011
480
460
440
420
400
380
360
340
320

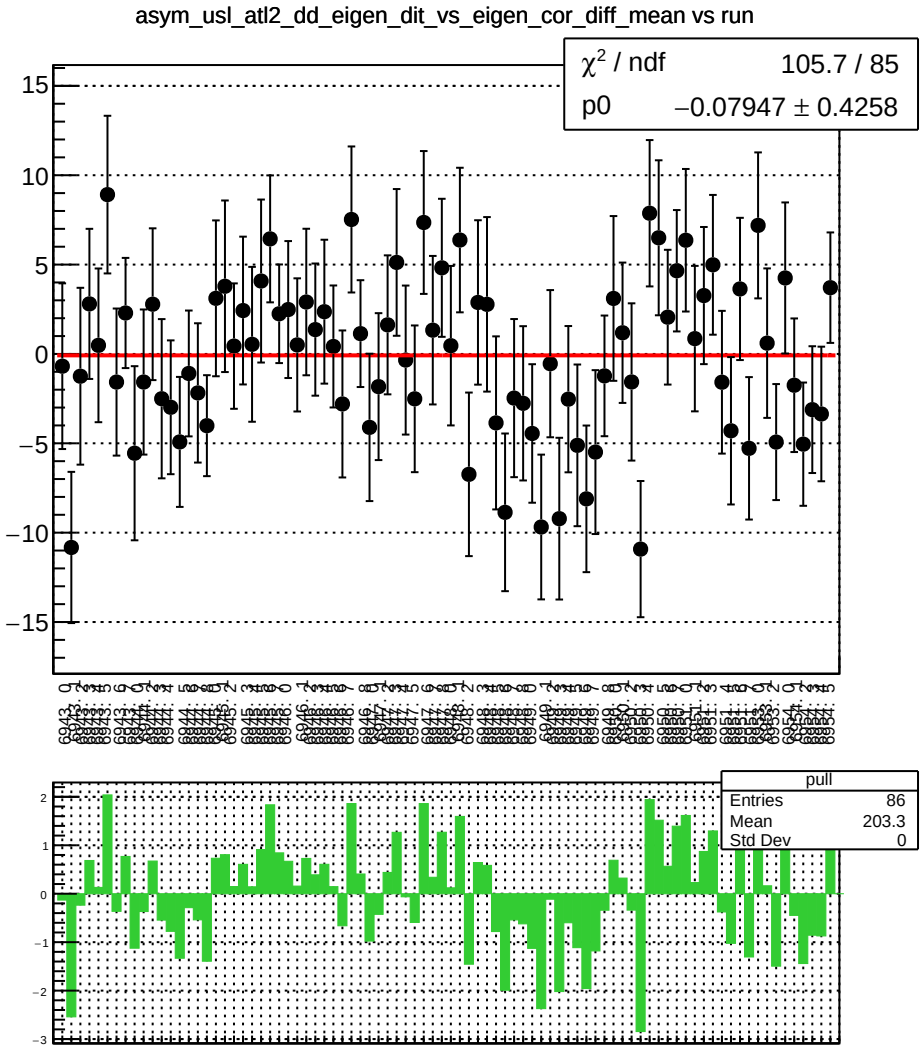

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.66 / 85
p0 −1.225e−05 ± 1.146e−05
pull
Entries 86
Mean 185.6
Std Dev 0
pull1D
Entries 86
Mean −0.01759
Std Dev 1.043

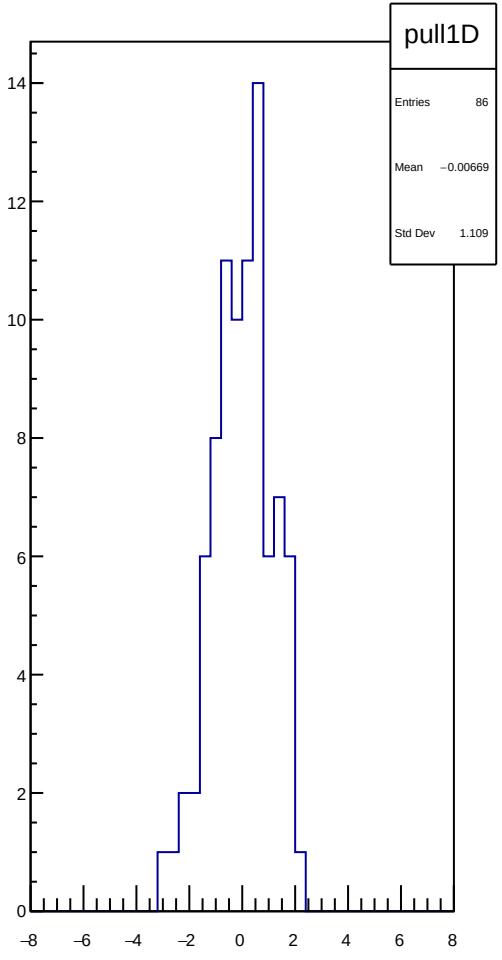

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6199 / 85
p0 0.01041 ± 8.104e–06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

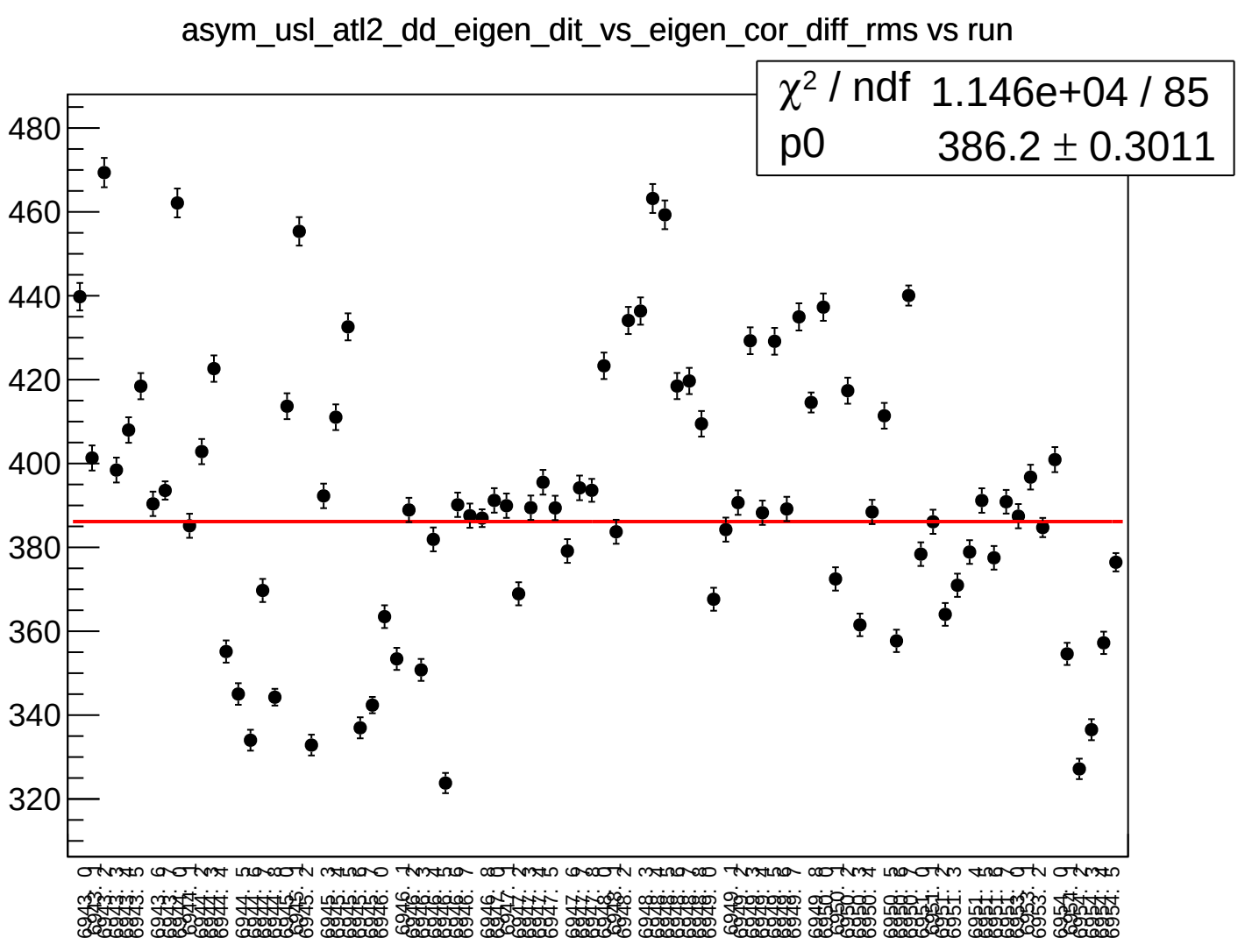

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.07947 ± 0.4258
pull
Entries 86
Mean 203.3
Std Dev 0

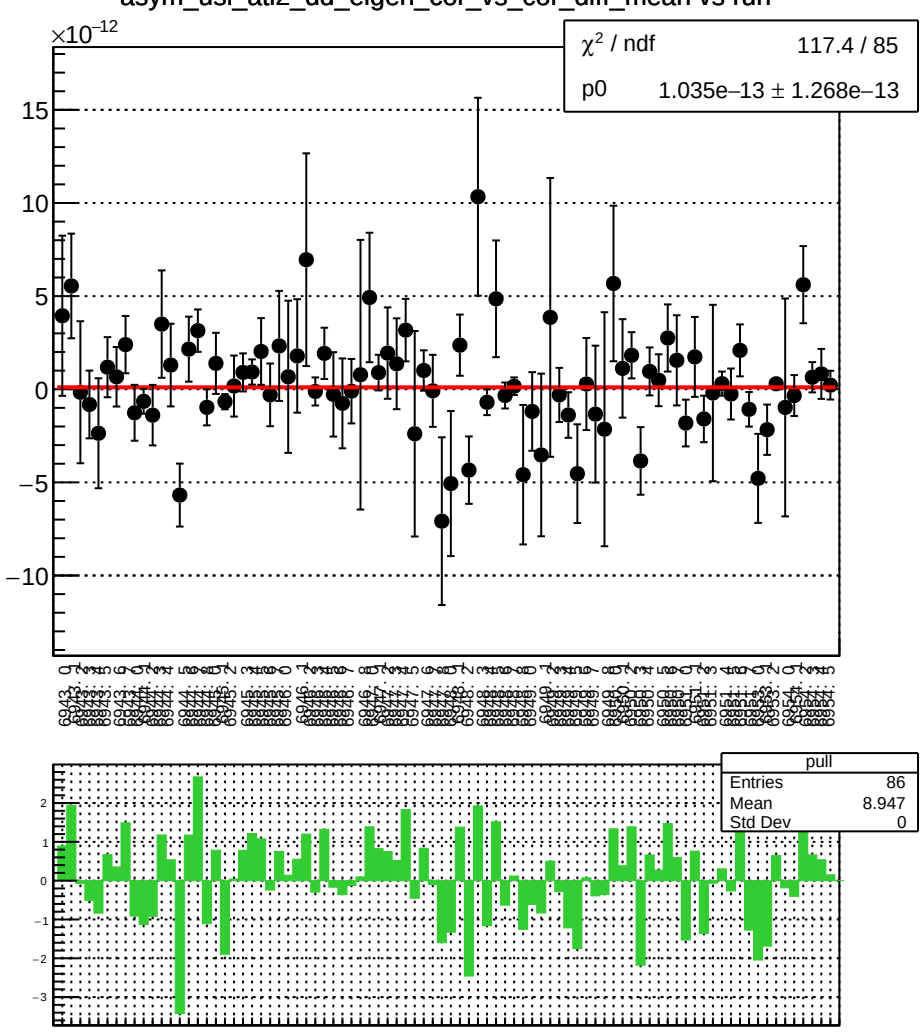

pull1D
Entries 86
Mean −0.00669
Std Dev 1.109

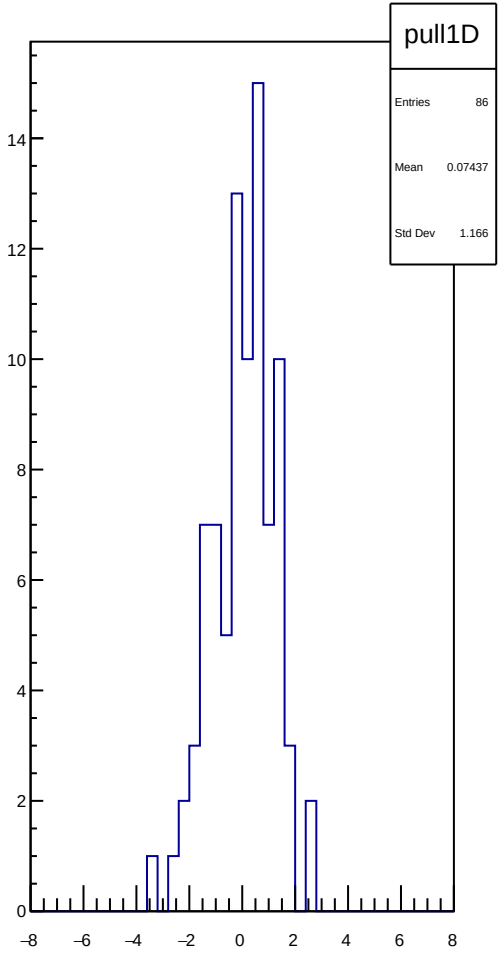

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.146e+04 / 85
p0 386.2 ± 0.3011
480
460
440
420
400
380
360
340
320

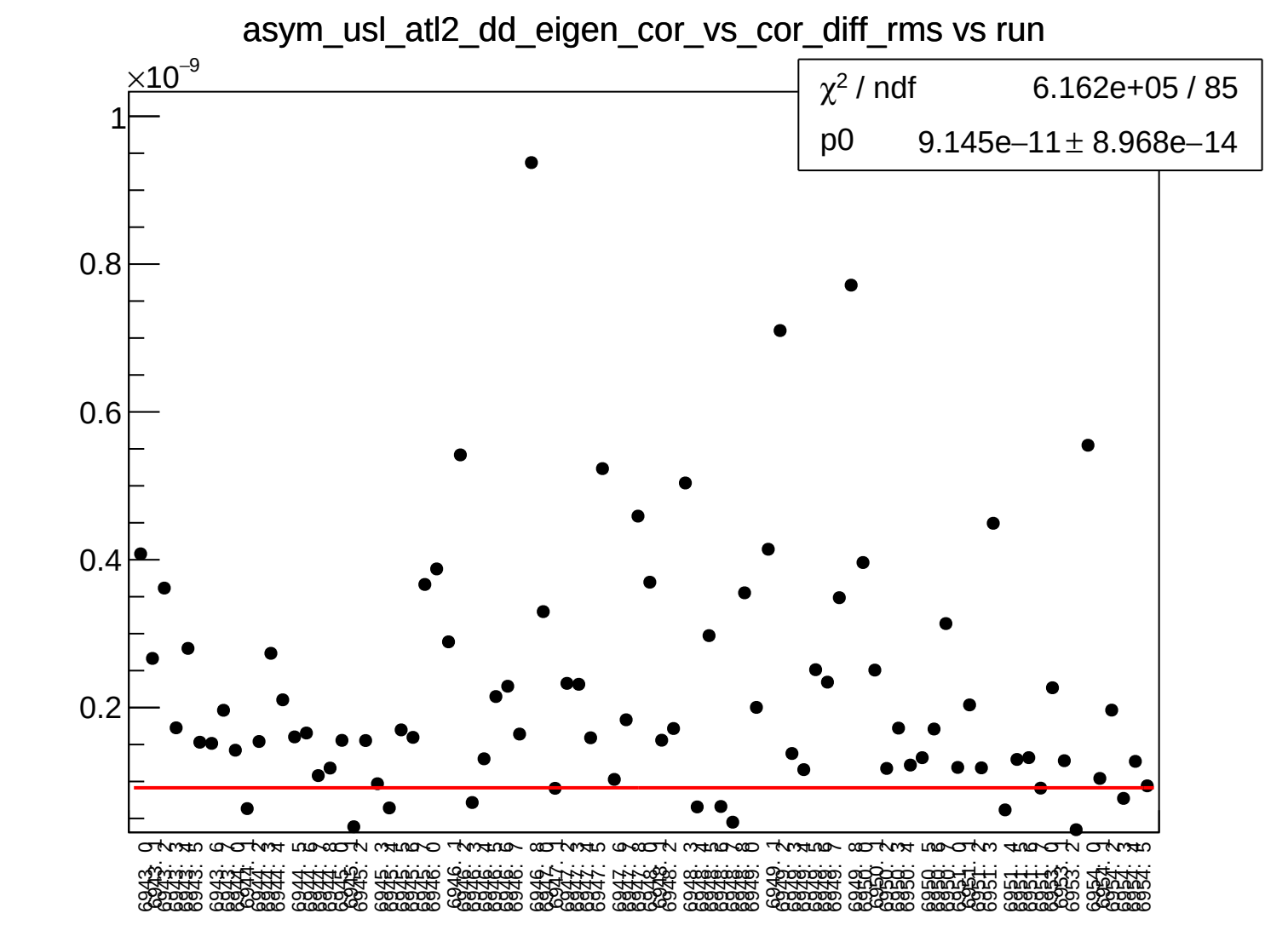

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 85
p0 −0.07947 ± 0.4258
pull
Entries 86
Mean 203.3
Std Dev 0

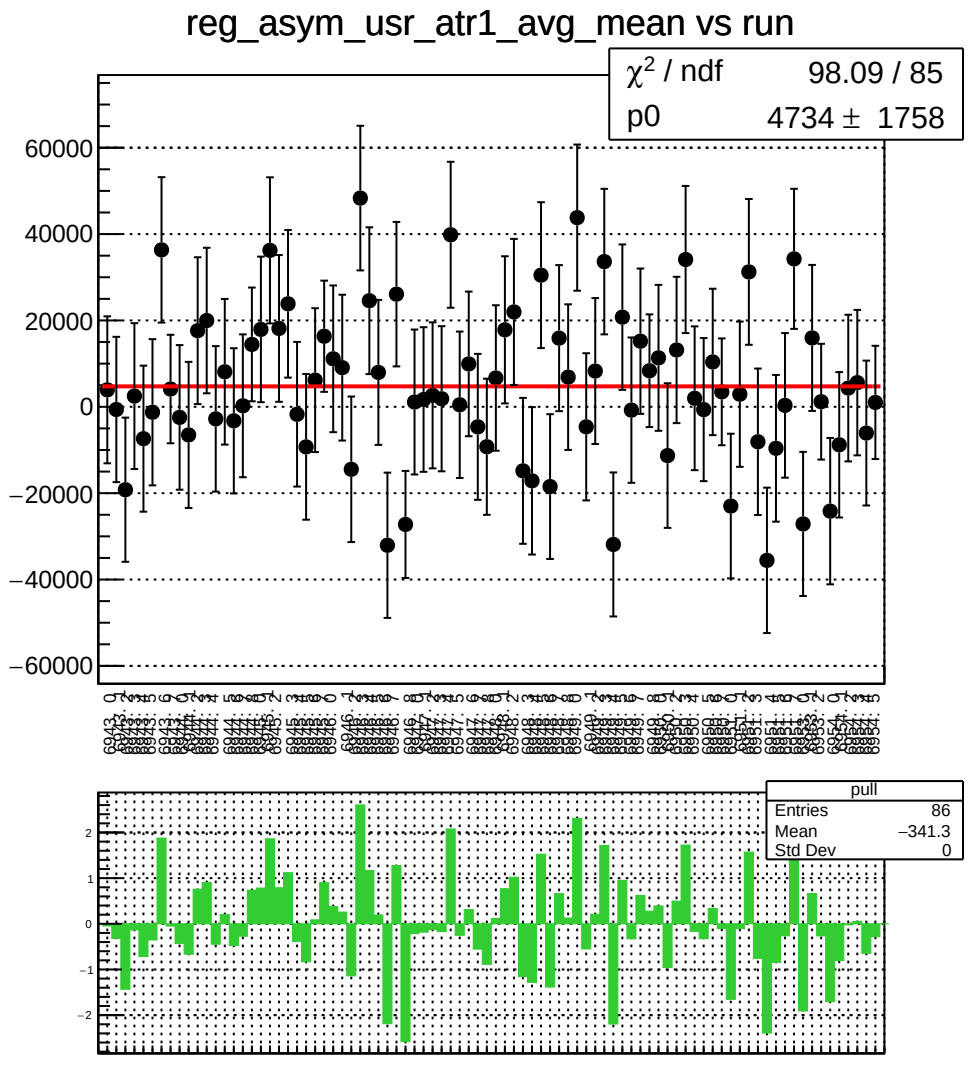

pull1D
Entries 86
Mean −0.00669
Std Dev 1.109

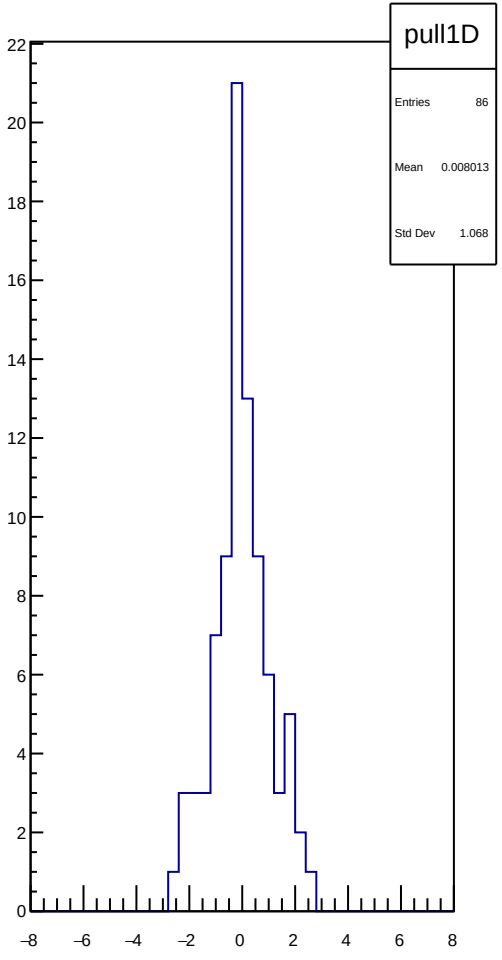

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.146e+04 / 85
p0 386.2 ± 0.3011
480
460
440
420
400
380
360
340
320

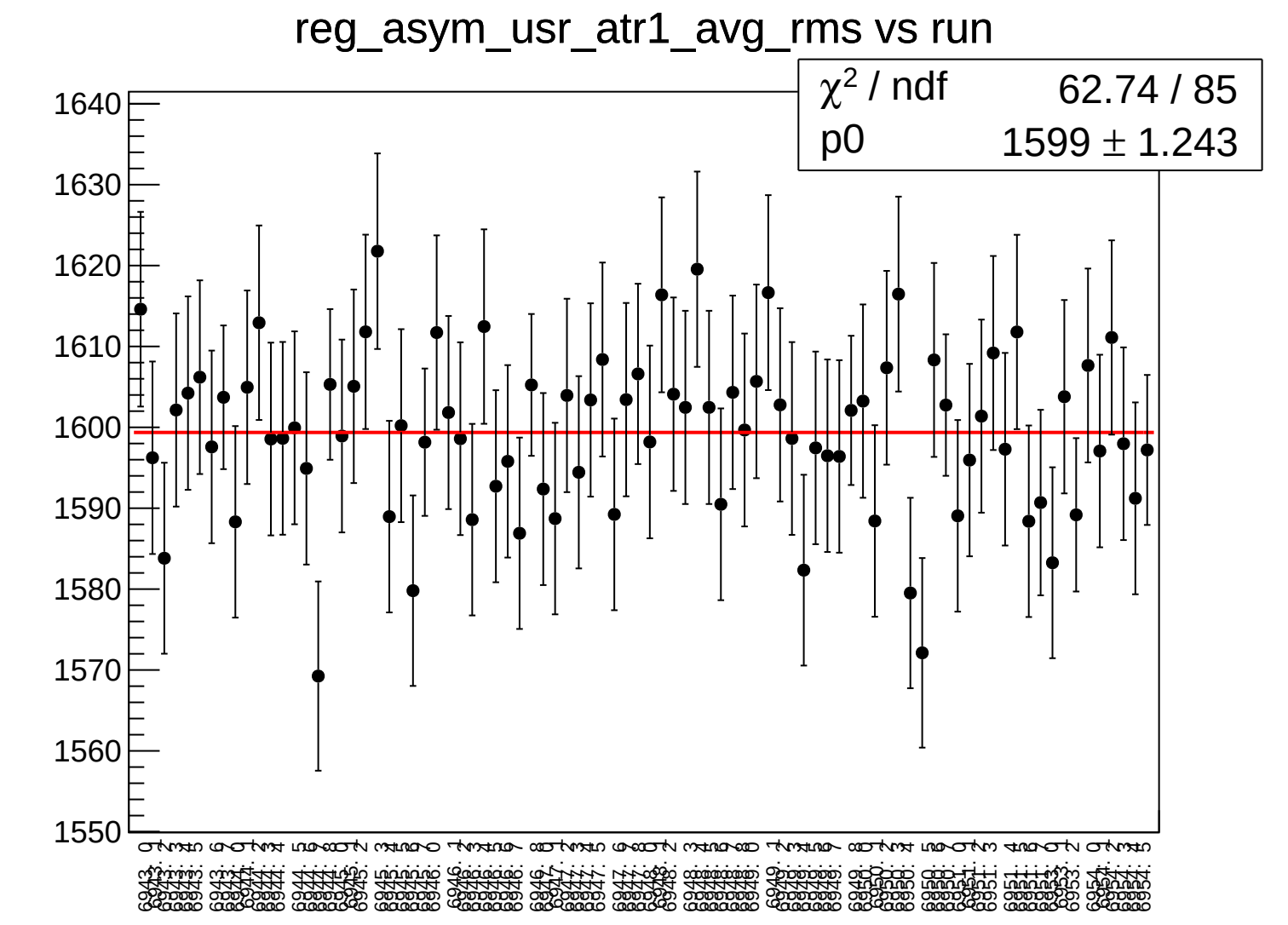

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 117.4 / 85
p0 1.035e−13 ± 1.268e−13
15
10
5
0
−5
−10
pull
Entries 86
Mean 8.947
Std Dev 0
2
1
0
−1
−2
−3

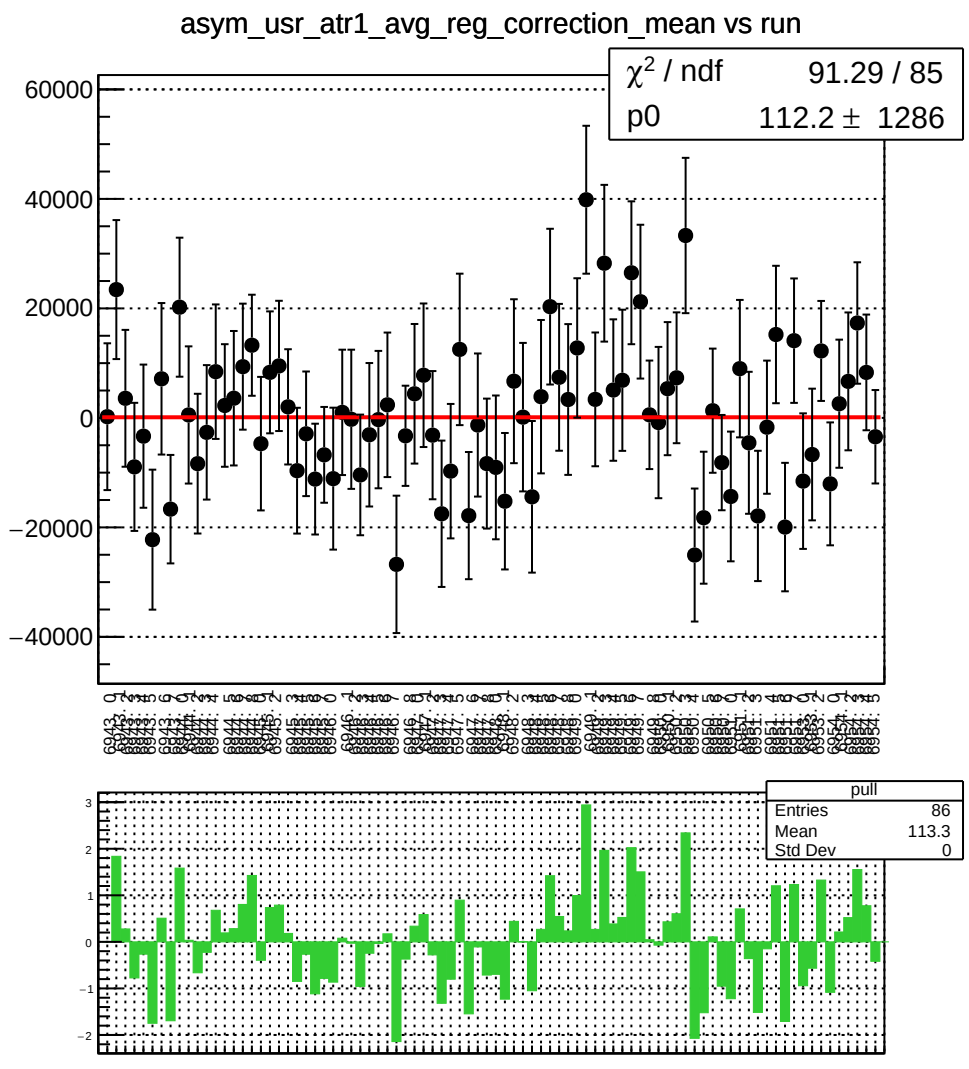

pull1D
Entries 86
Mean 0.07437
Std Dev 1.166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

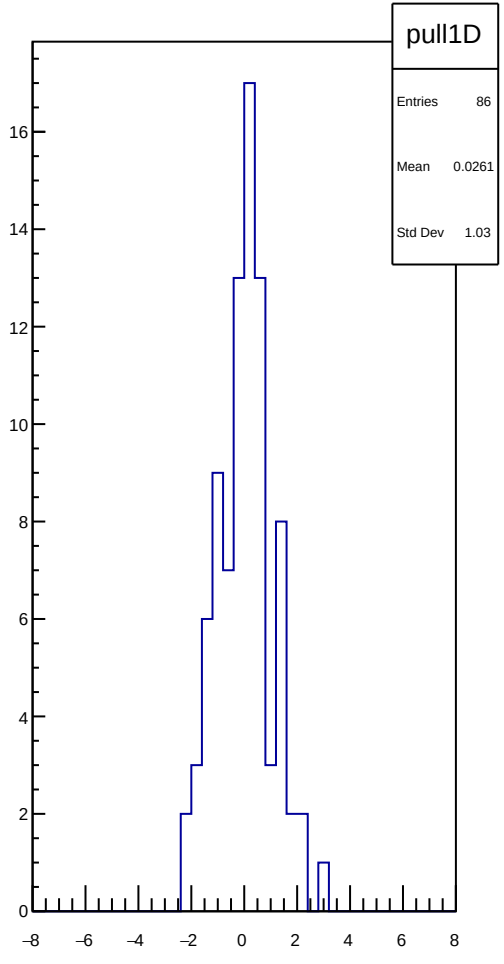

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.162e+05 / 85
p0 9.145e−11 ± 8.968e−14
1
0.8
0.6
0.4
0.2

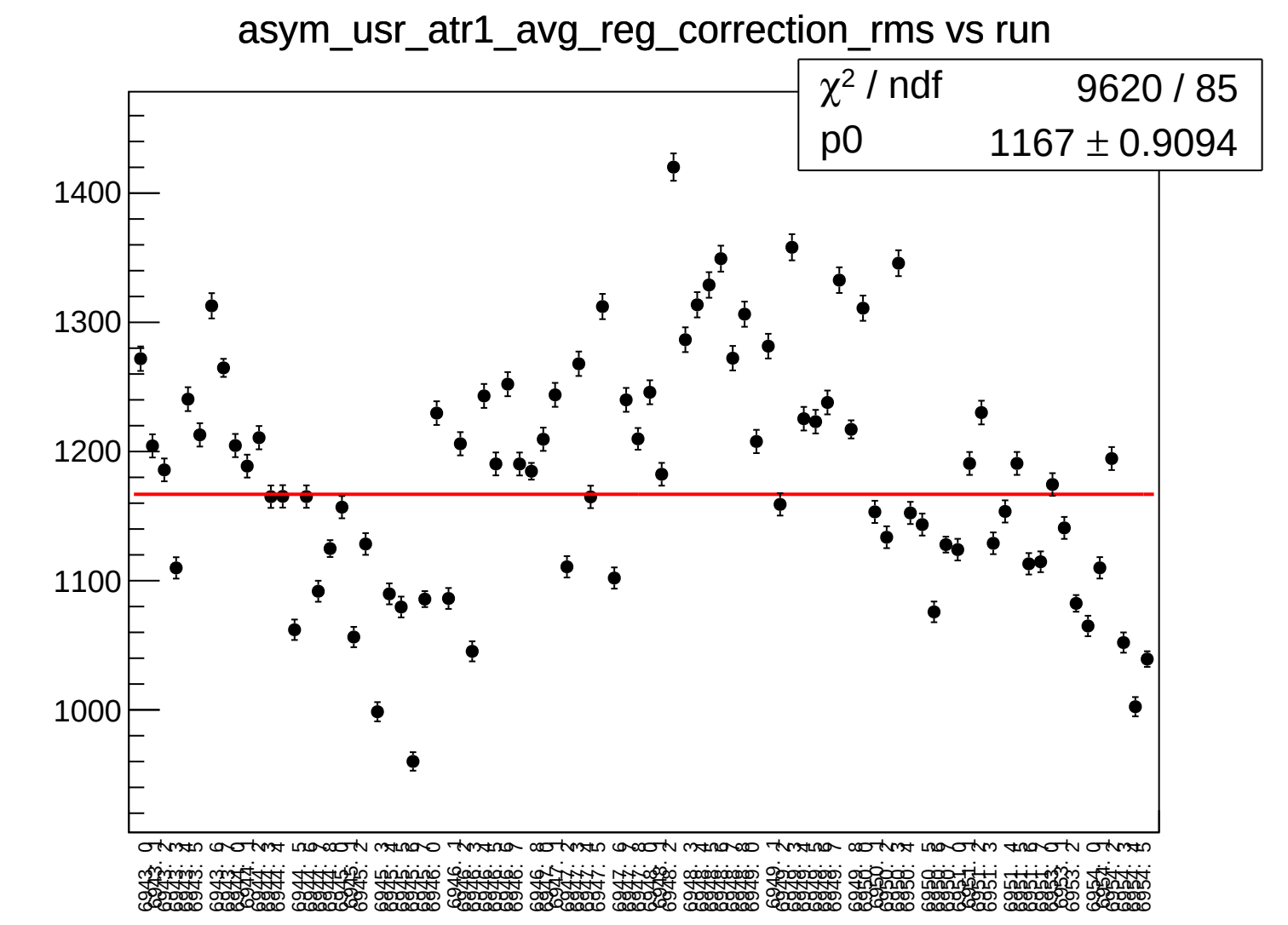

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 98.09 / 85
p0 4734 ± 1758
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −341.3
Std Dev 0
2
1
0
−1
−2

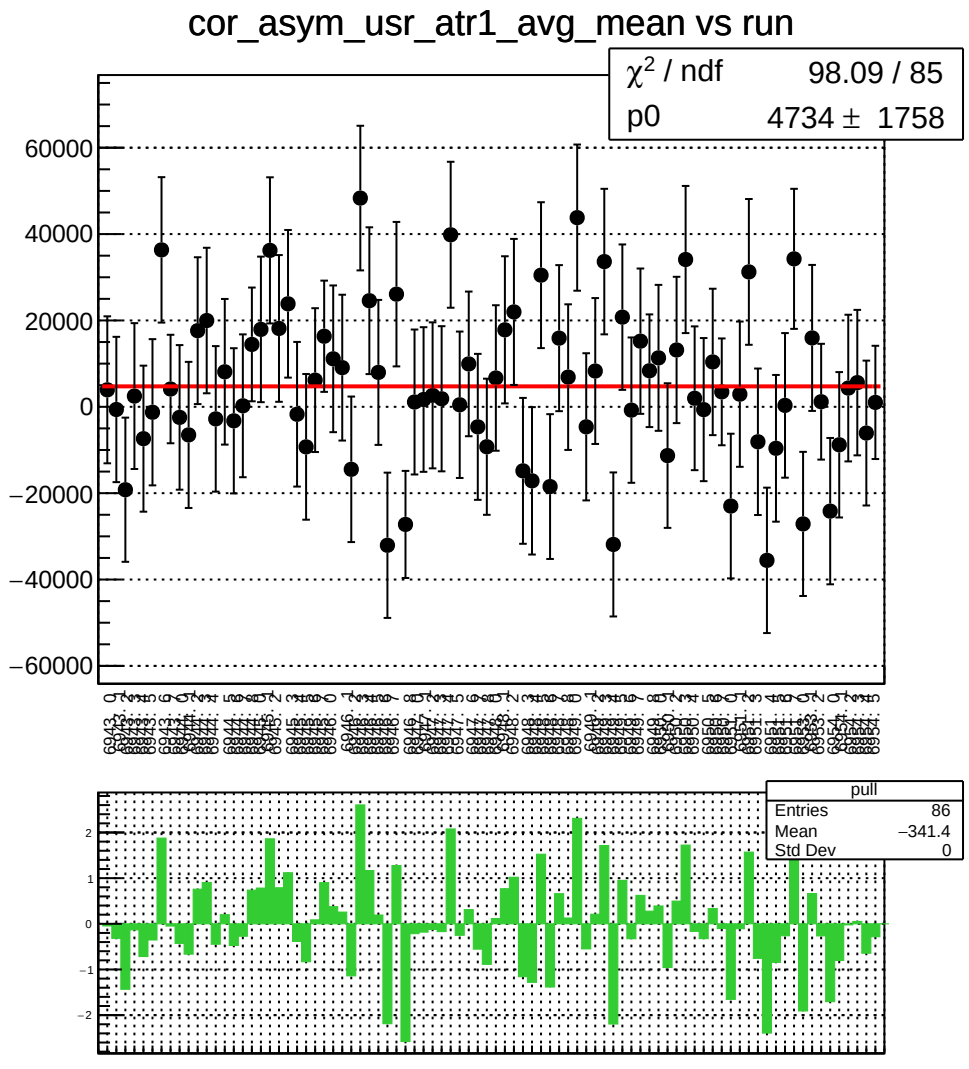

pull1D
Entries 86
Mean 0.008013
Std Dev 1.068
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

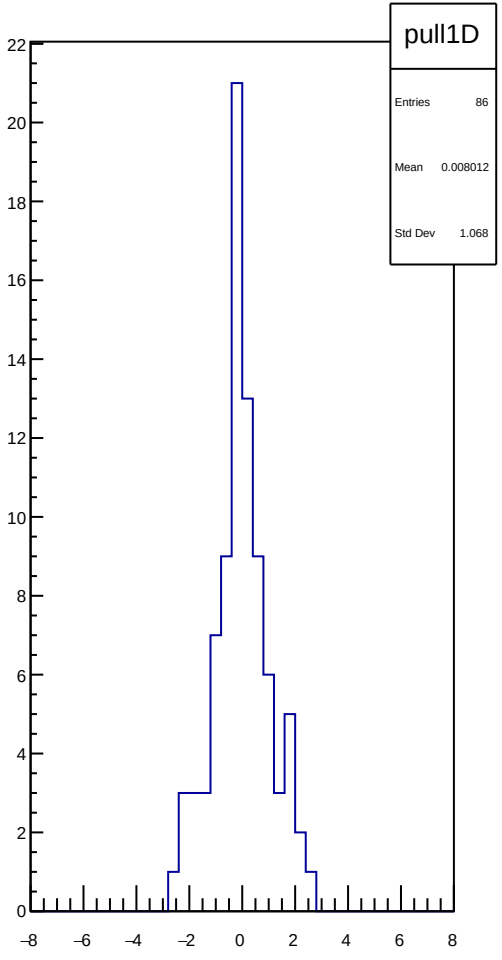

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.74 / 85
p0 1599 ± 1.243
1640
1630
1620
1610
1600
1590
1580
1570
1560
1550

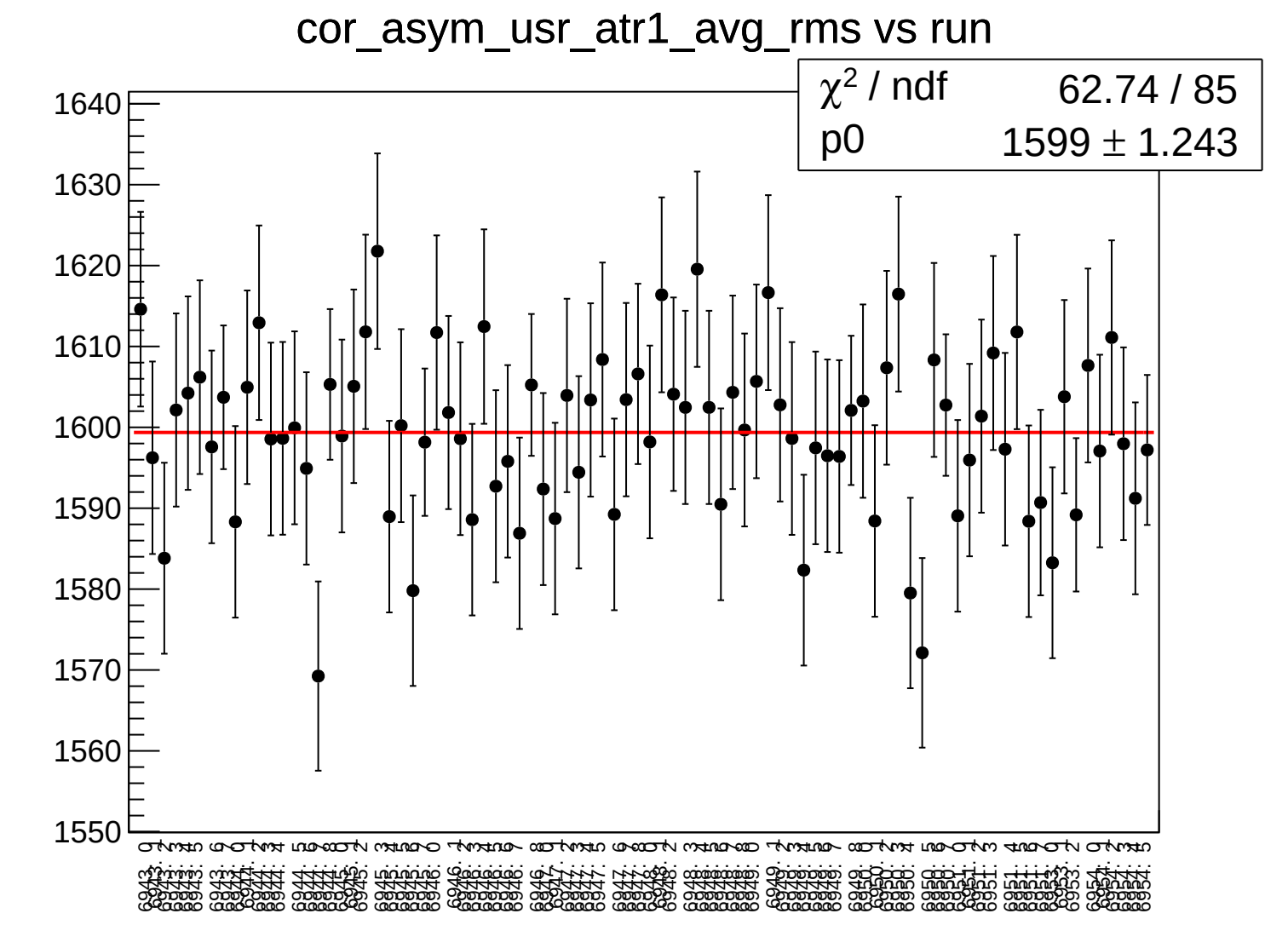

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 91.29 / 85
p0 112.2 ± 1286
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 113.3
Std Dev 0
3
2
1
0
−1
−2

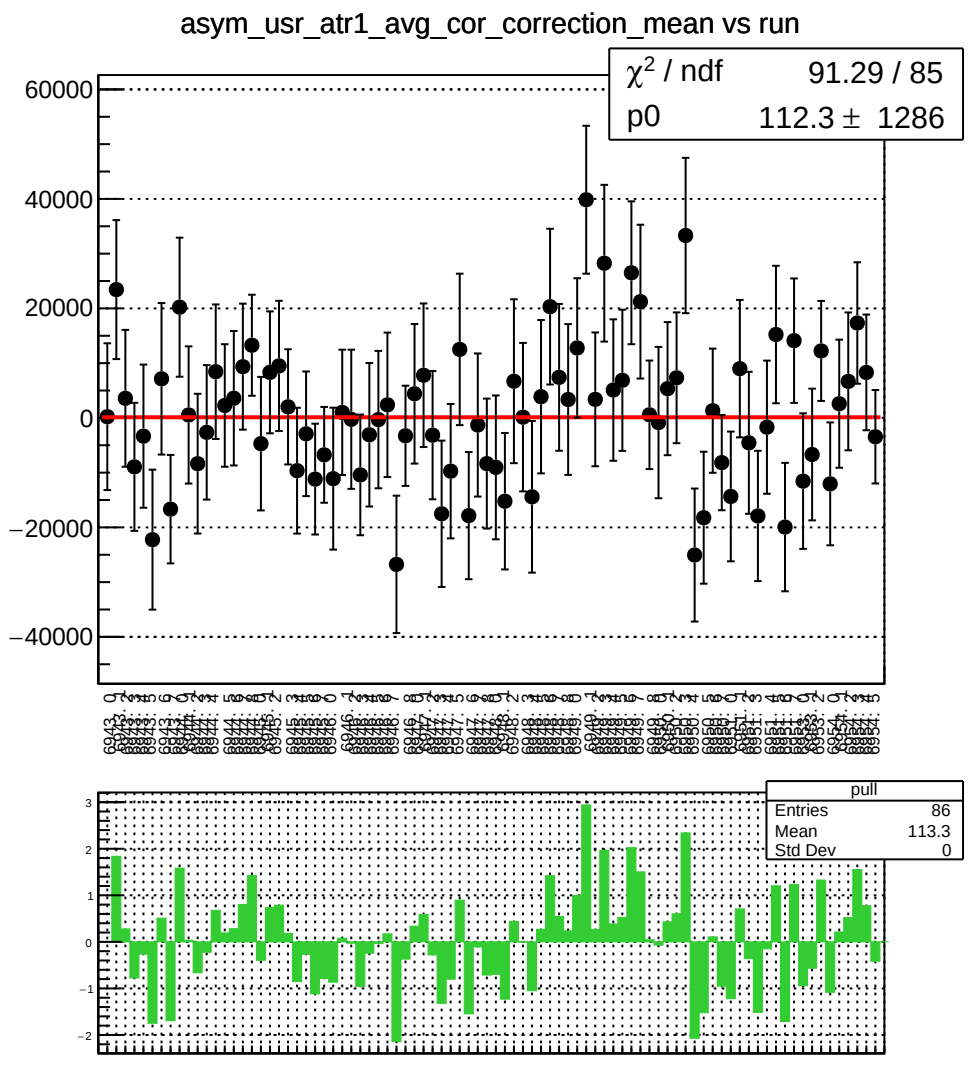

pull1D
Entries 86
Mean 0.0261
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

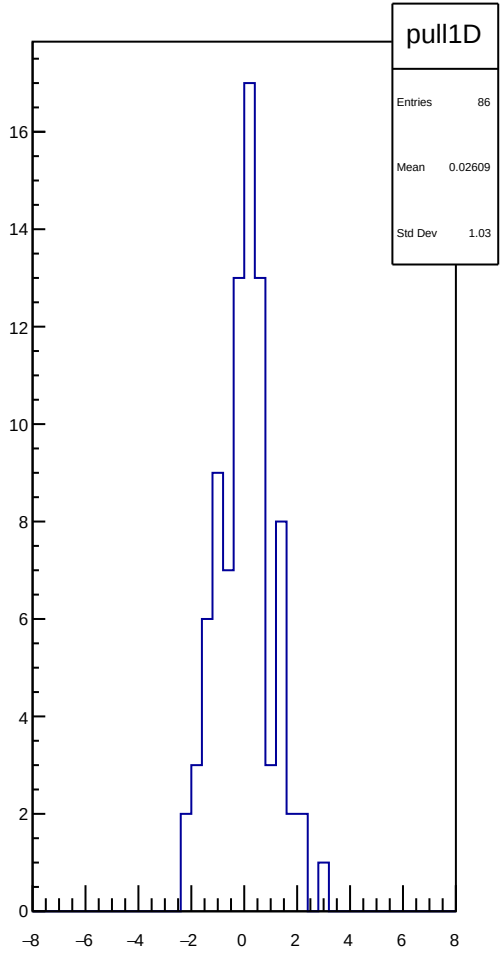

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 9620 / 85
p0 1167 ± 0.9094
1400
1300
1200
1100
1000

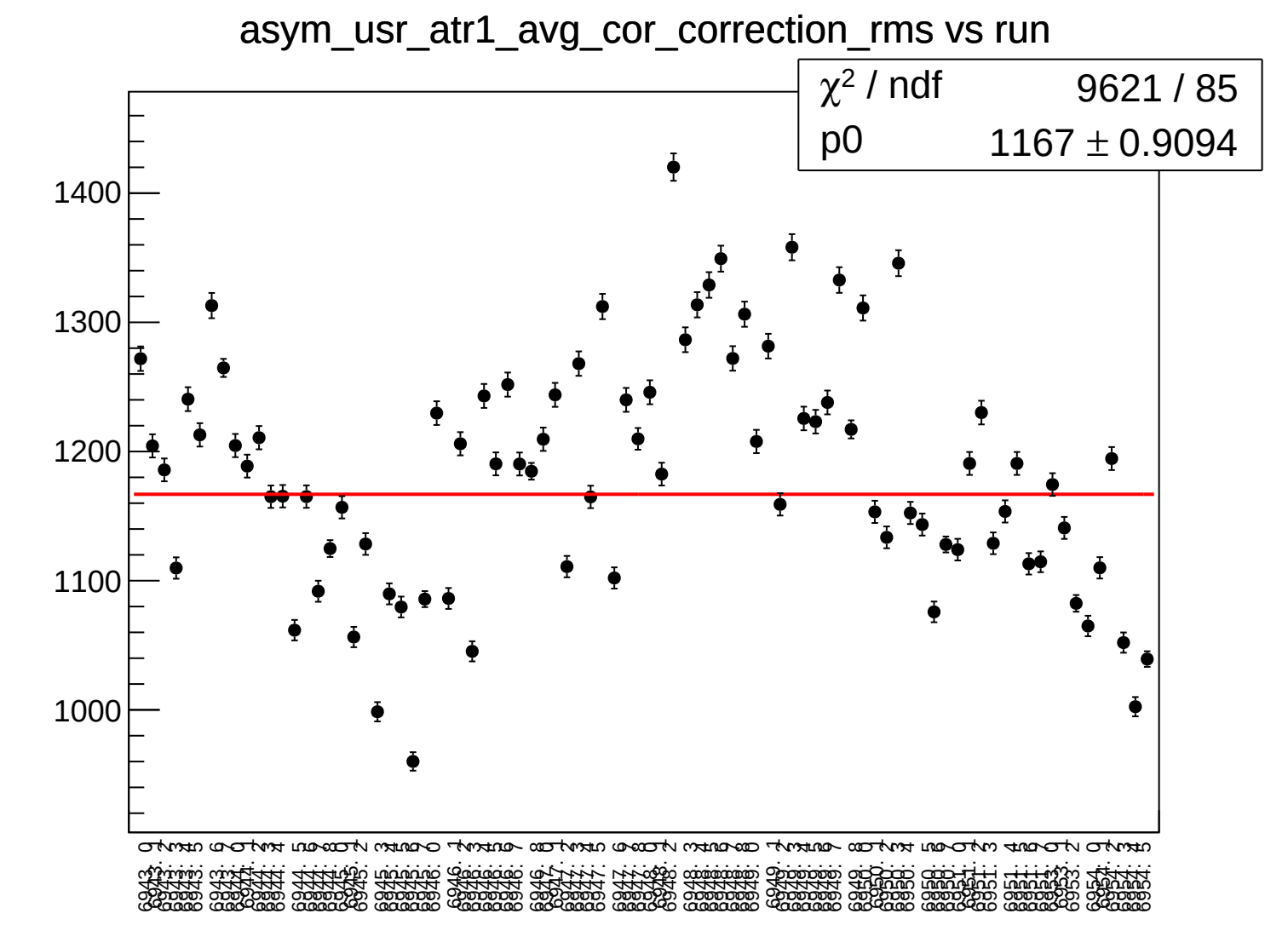

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 98.09 / 85
p0 4734 ± 1758
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −341.4
Std Dev 0
2
1
0
−1
−2

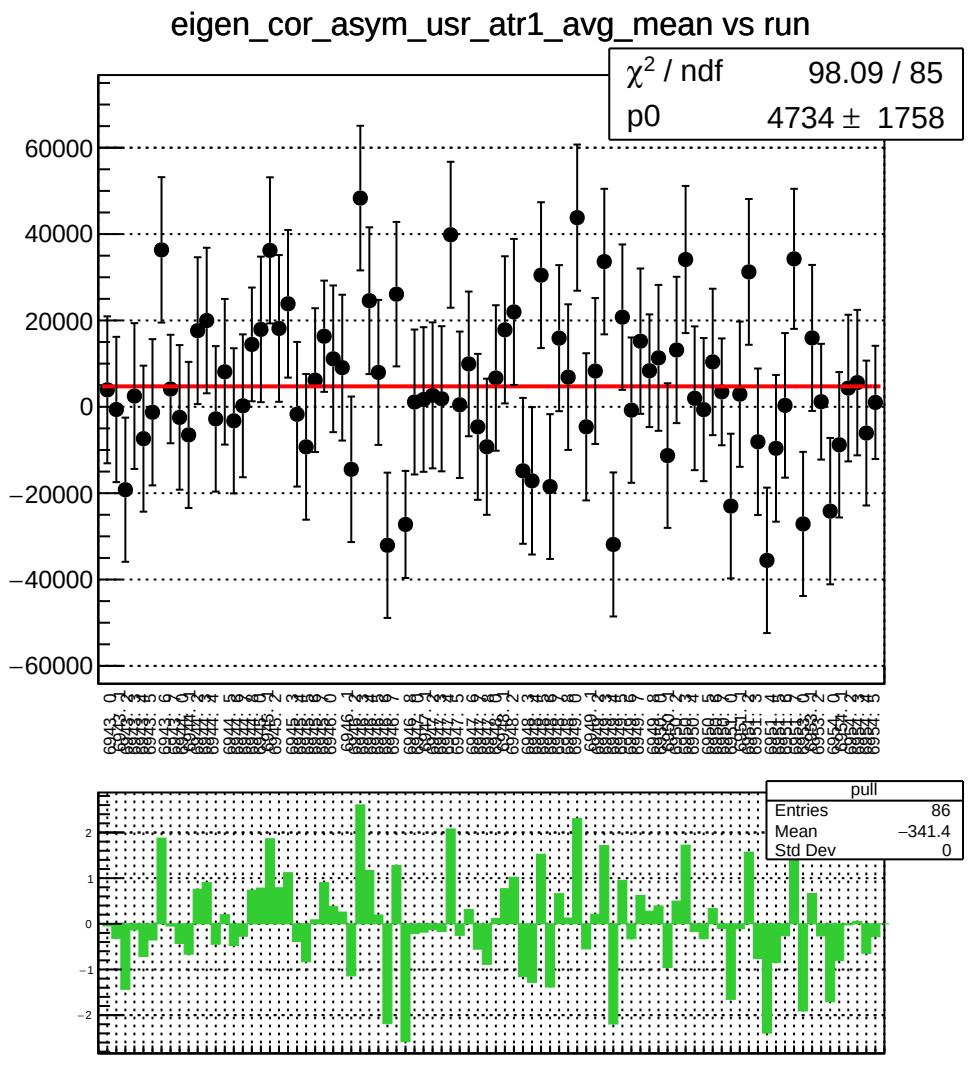

pull1D
Entries 86
Mean 0.008012
Std Dev 1.068
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

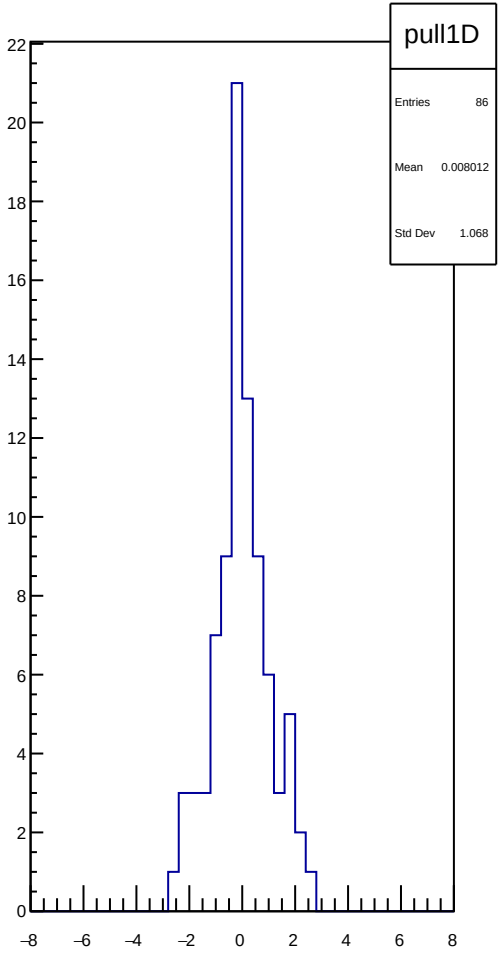

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.74 / 85
p0 1599 ± 1.243
1640
1630
1620
1610
1600
1590
1580
1570
1560
1550

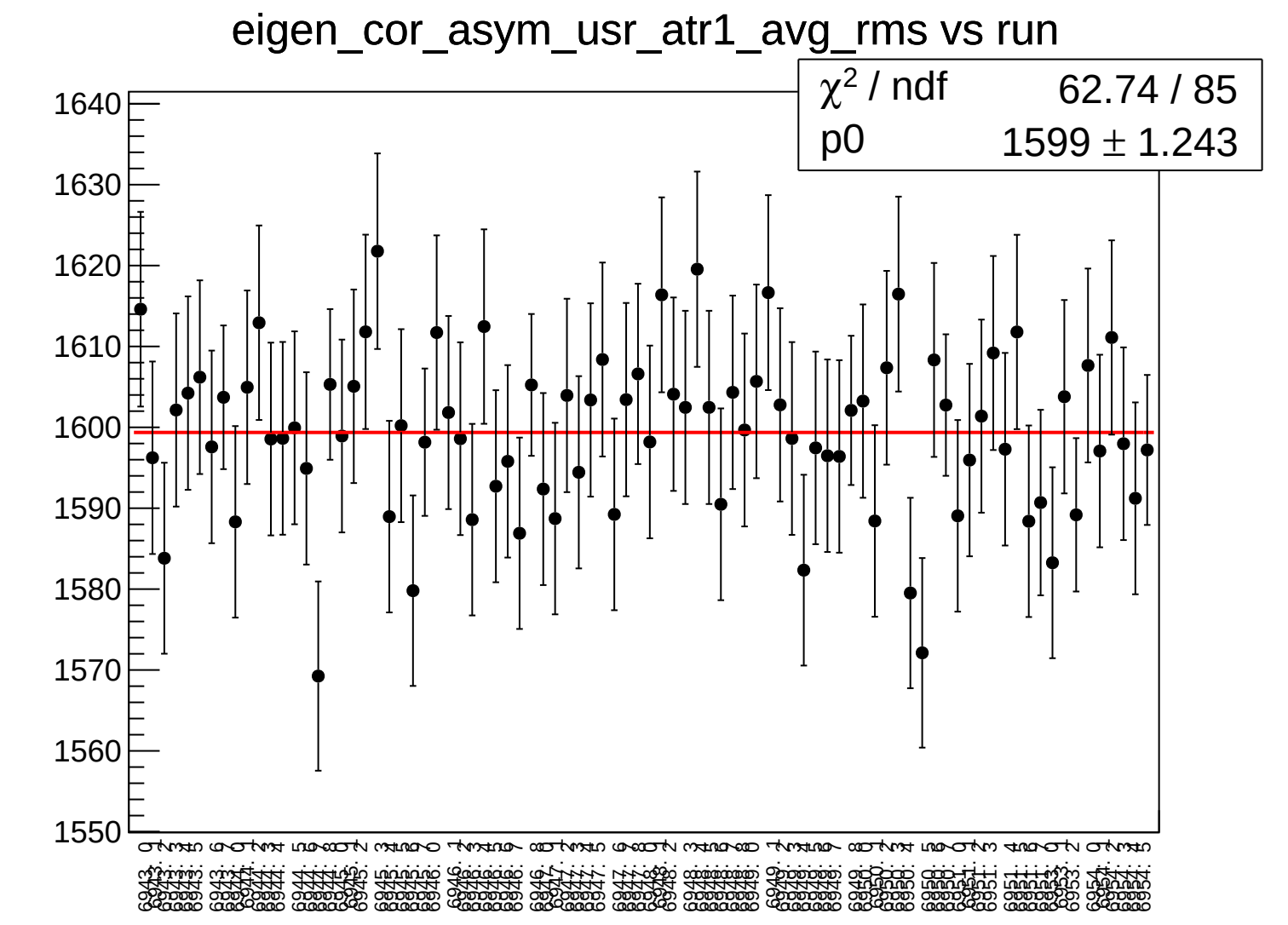

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 91.29 / 85
p0 112.3 ± 1286
pull
Entries 86
Mean 113.3
Std Dev 0

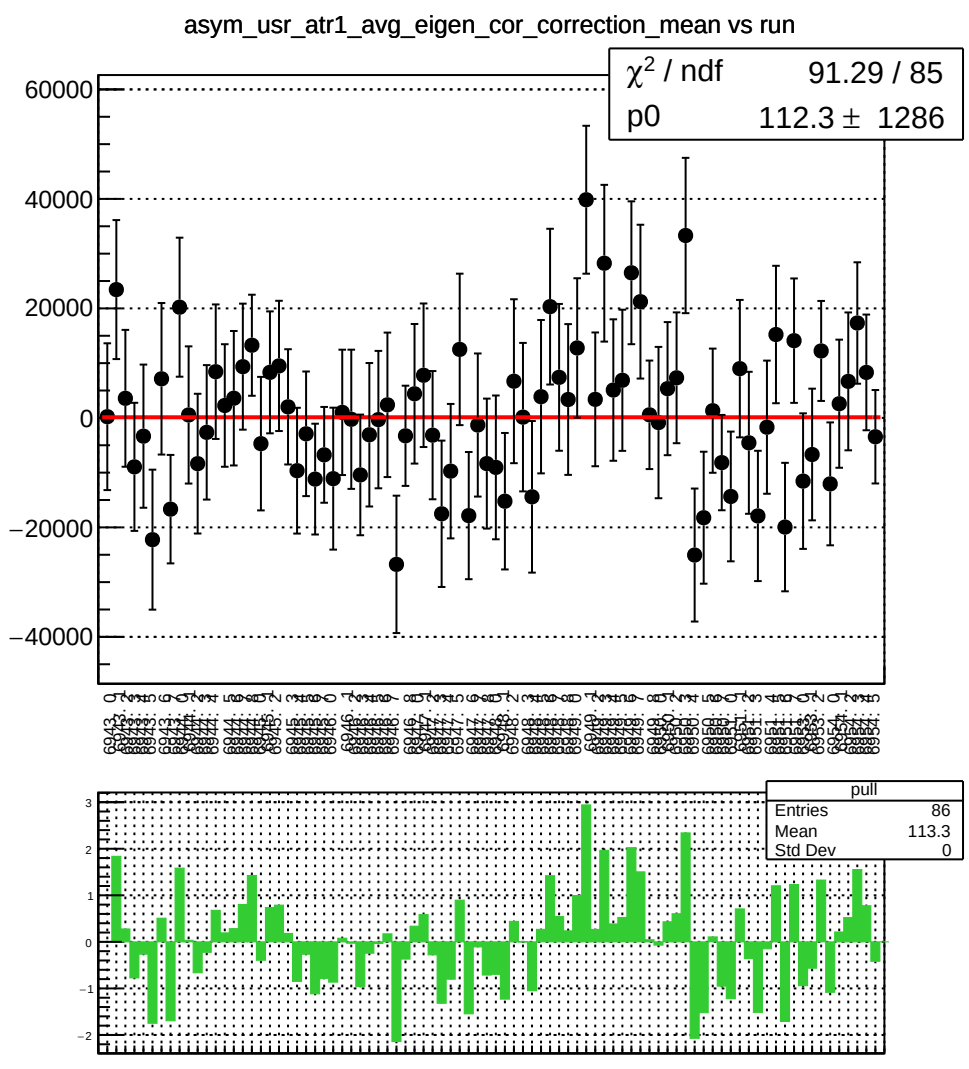

pull1D
Entries 86
Mean 0.02609
Std Dev 1.03

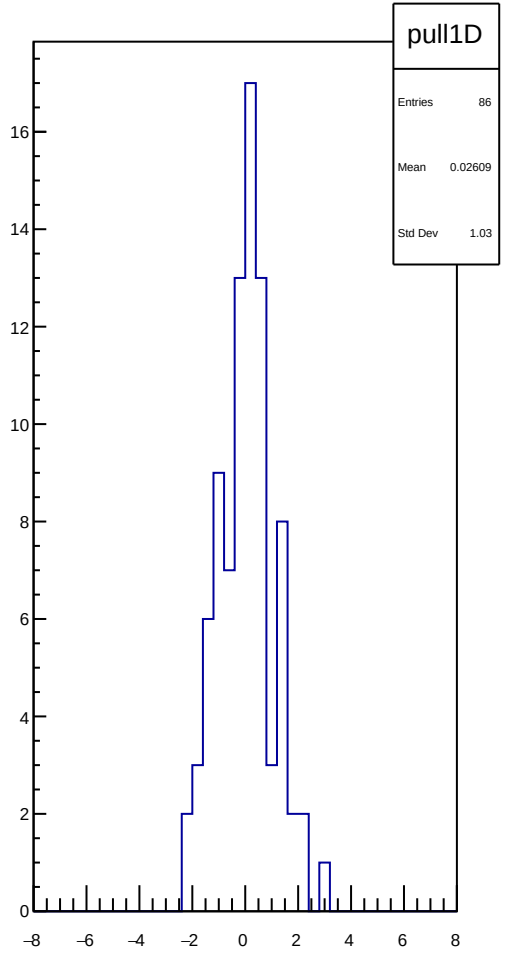

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 9621 / 85
p0 1167 ± 0.9094
1400
1300
1200
1100
1000

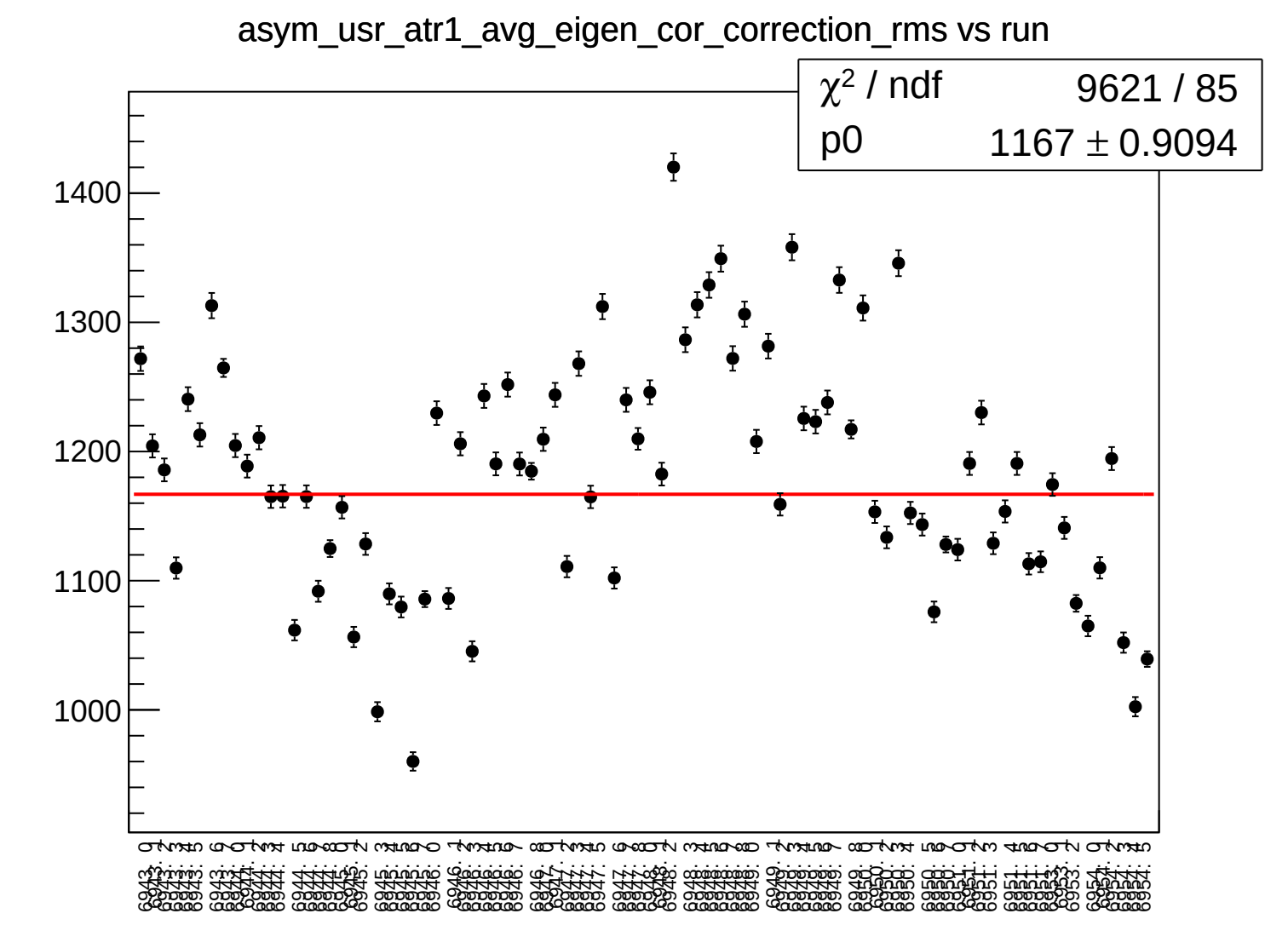

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 98.09 / 85
p0 4734 ± 1758
pull
Entries 86
Mean −341.4
Std Dev 0

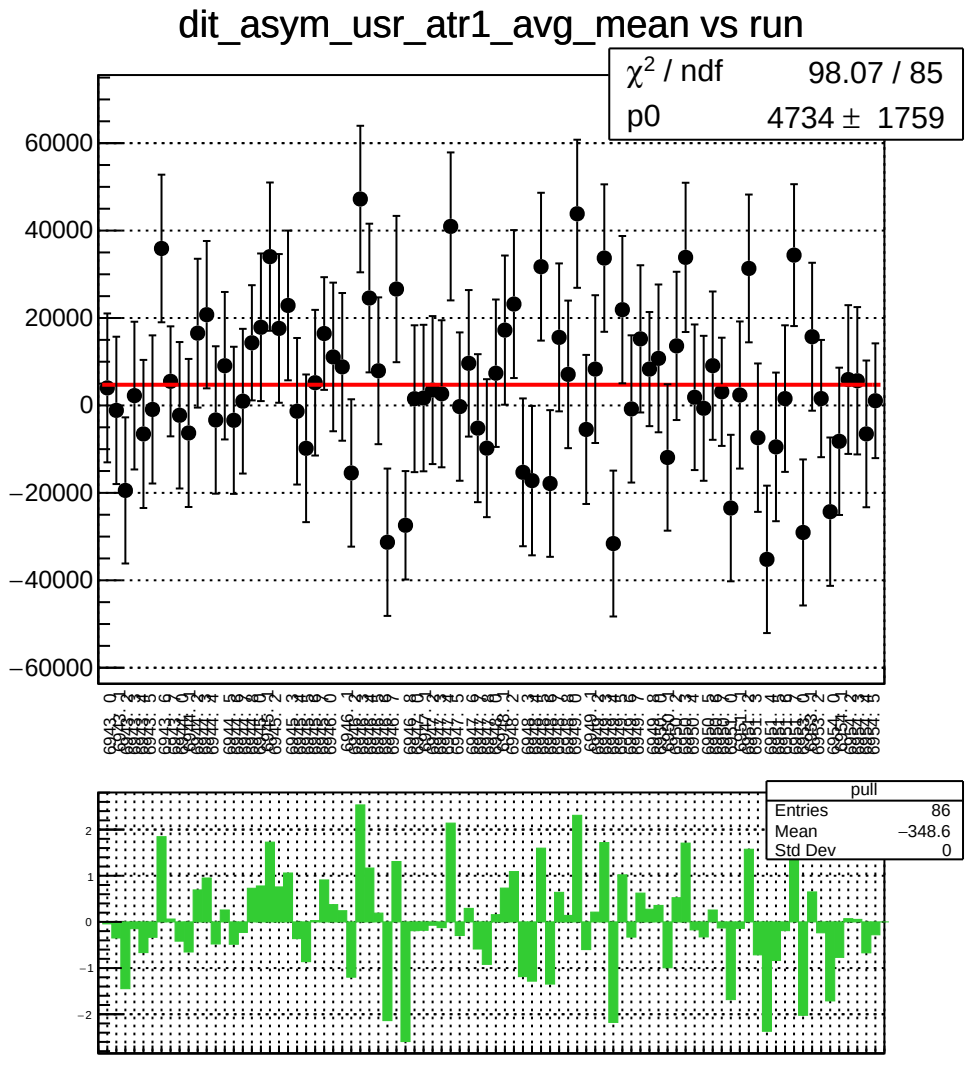

pull1D
Entries 86
Mean 0.008012
Std Dev 1.068

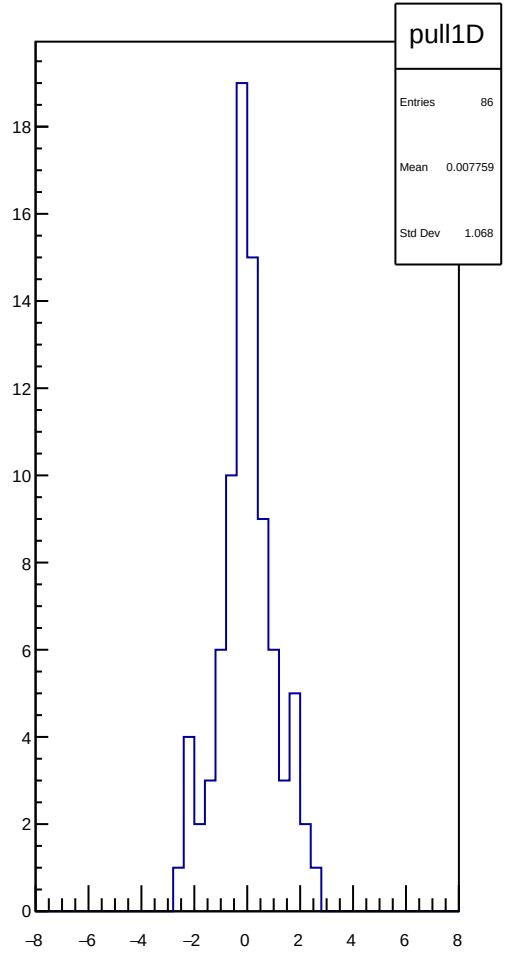

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.74 / 85
p0 1599 ± 1.243
1640
1630
1620
1610
1600
1590
1580
1570
1560
1550

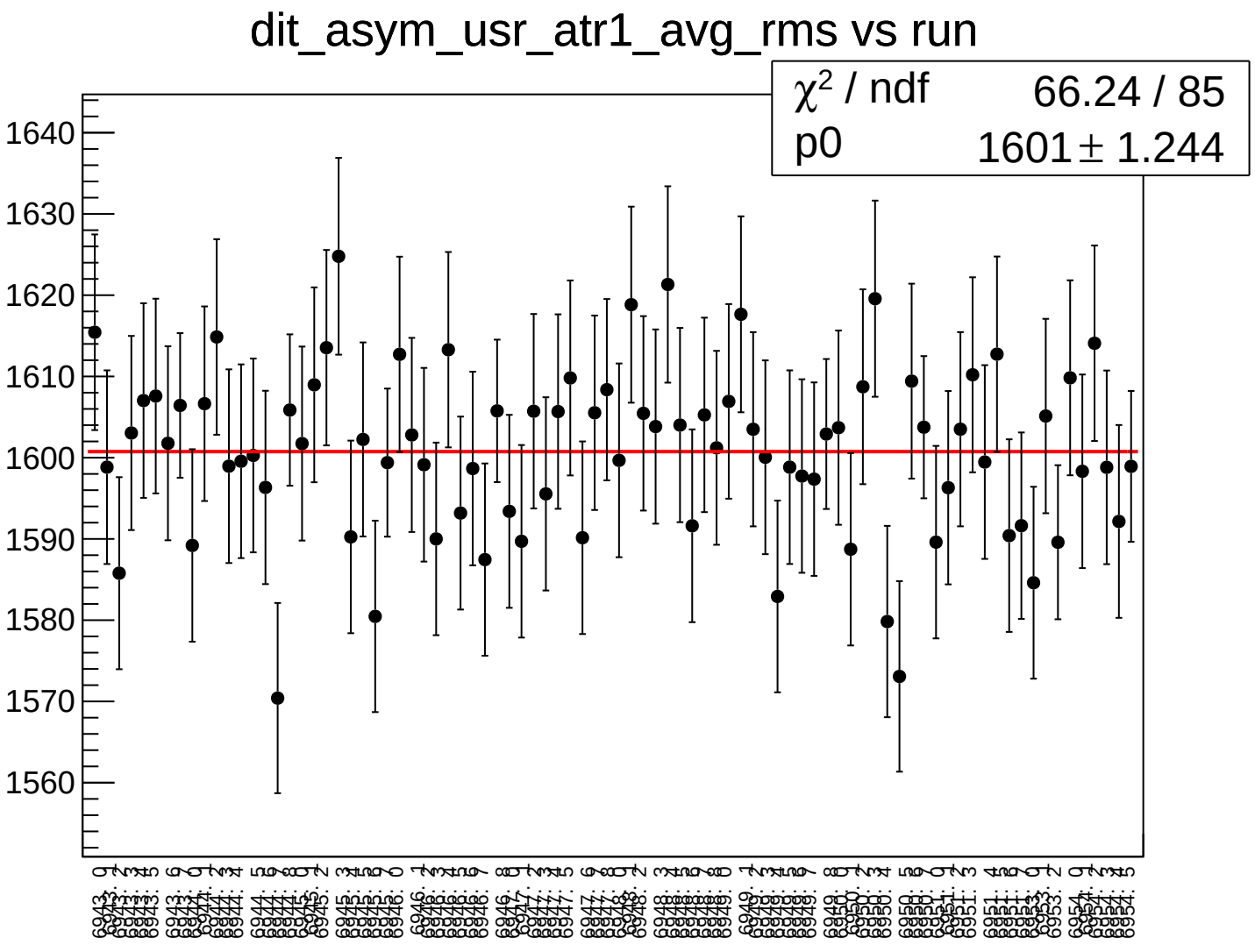

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 91.29 / 85
p0 112.3 ± 1286
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 113.3
Std Dev 0
3
2
1
0
−1
−2

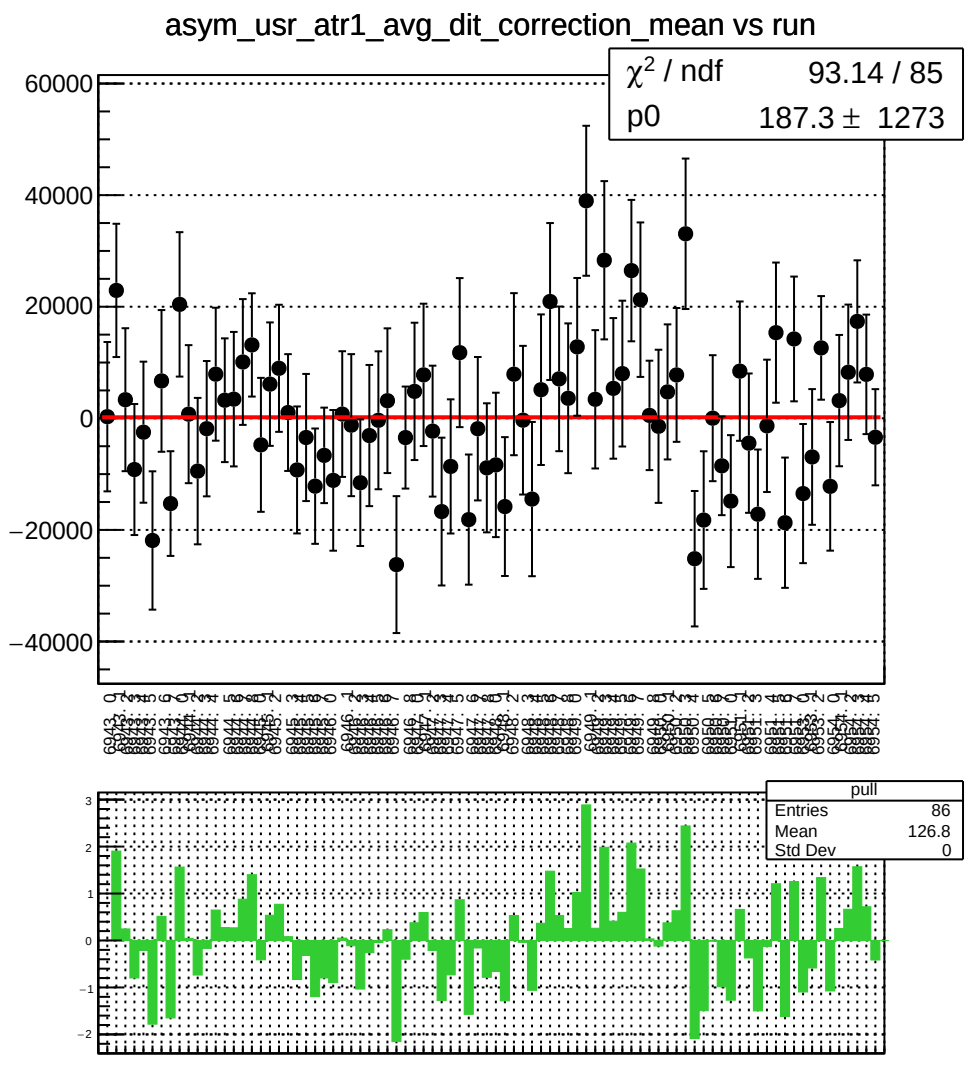

pull1D
Entries 86
Mean 0.02609
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

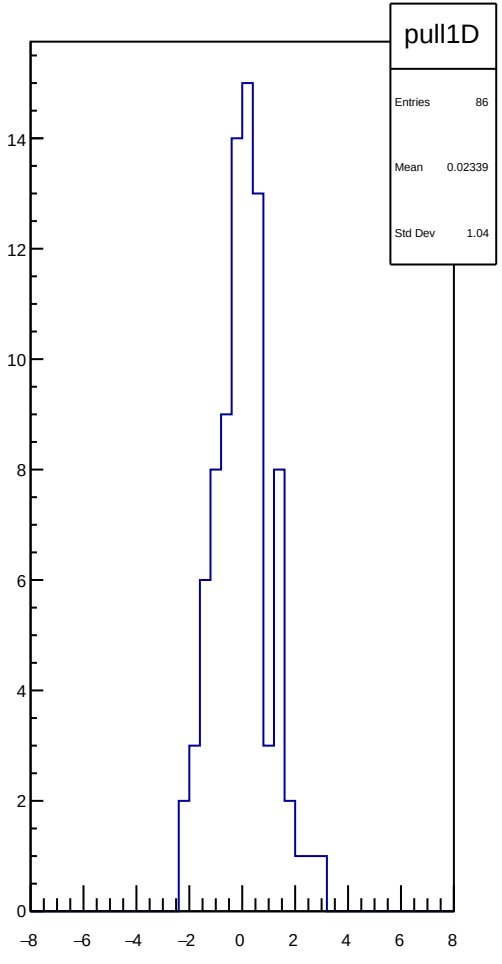

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 9621 / 85
p0 1167 ± 0.9094
1400
1300
1200
1100
1000

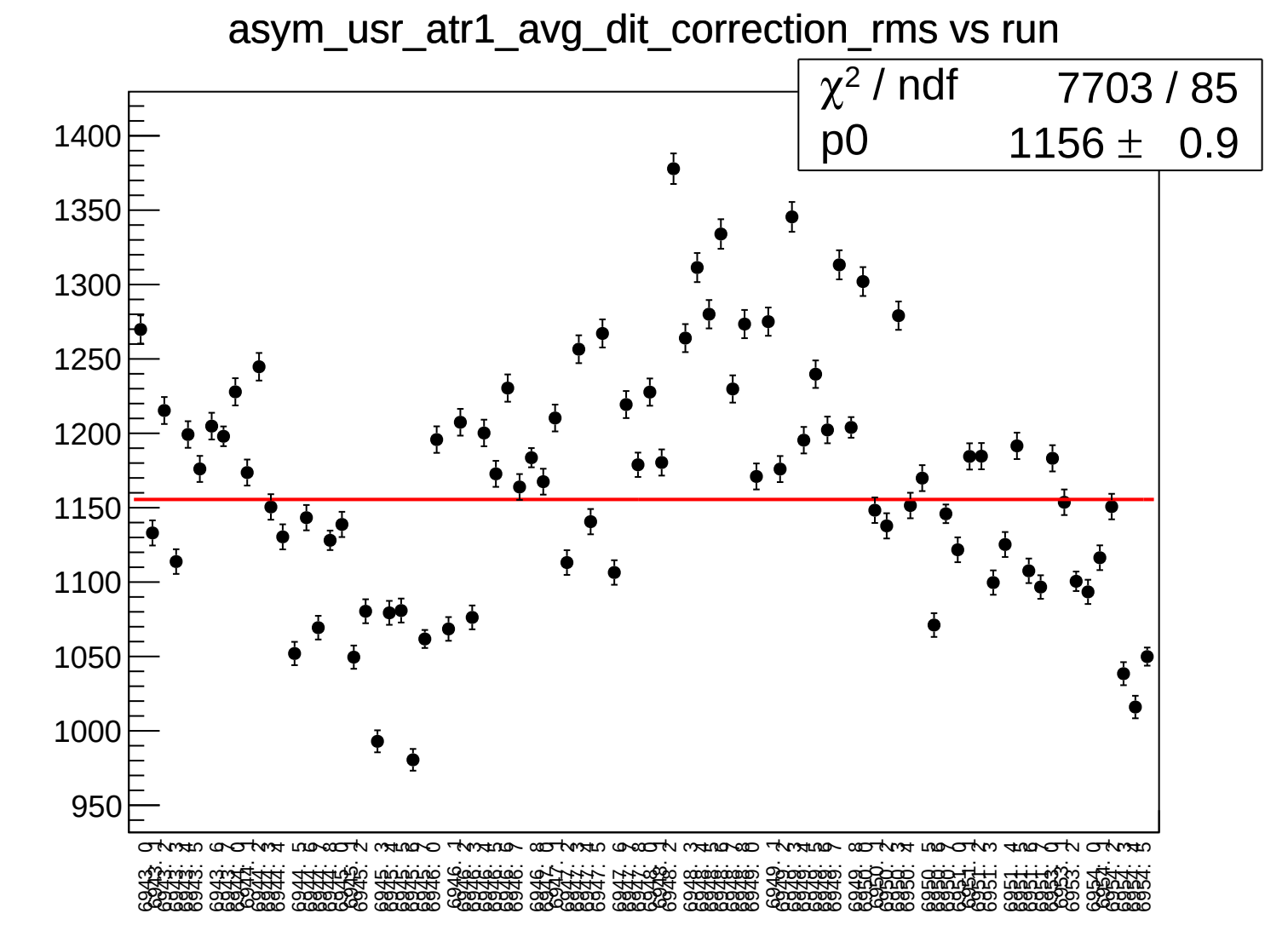

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 98.07 / 85
p0 4734 ± 1759
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −348.6
Std Dev 0
2
1
0
−1
−2

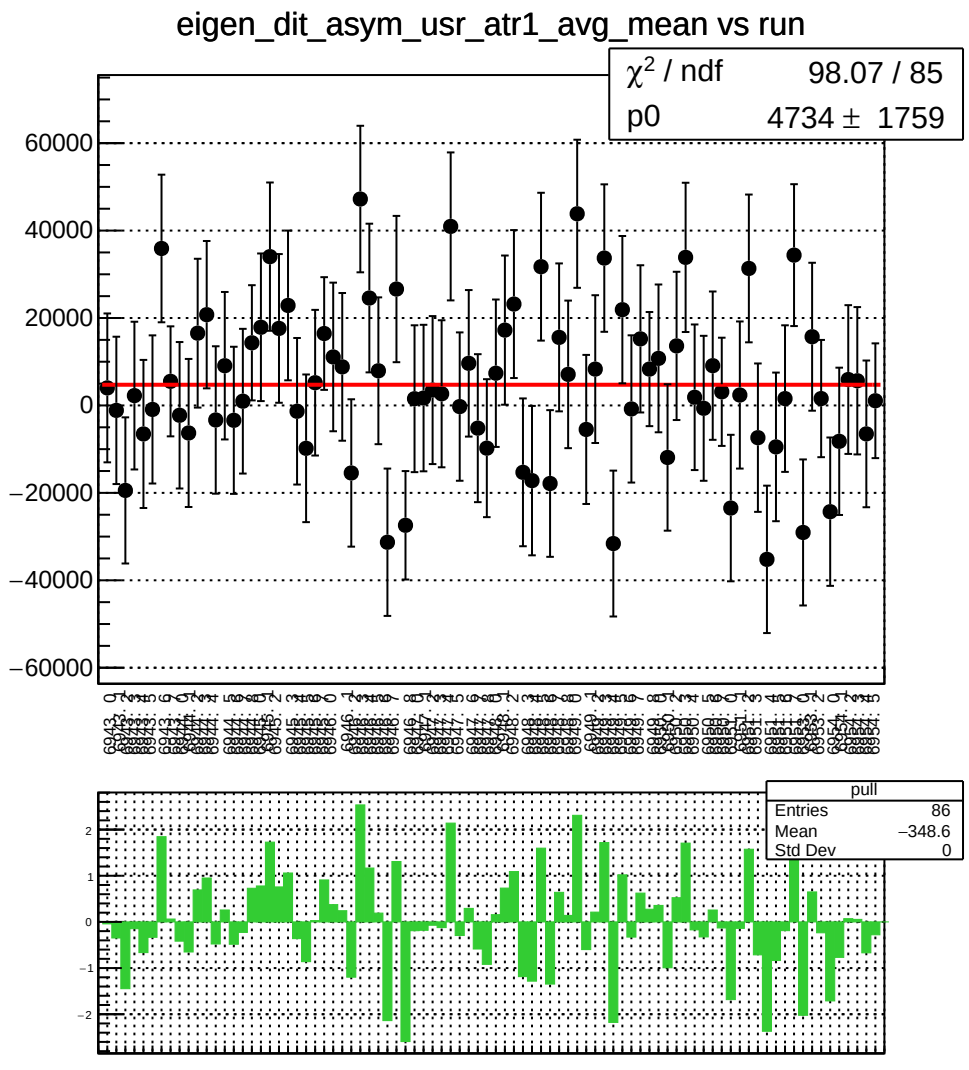

pull1D
Entries 86
Mean 0.007759
Std Dev 1.068
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

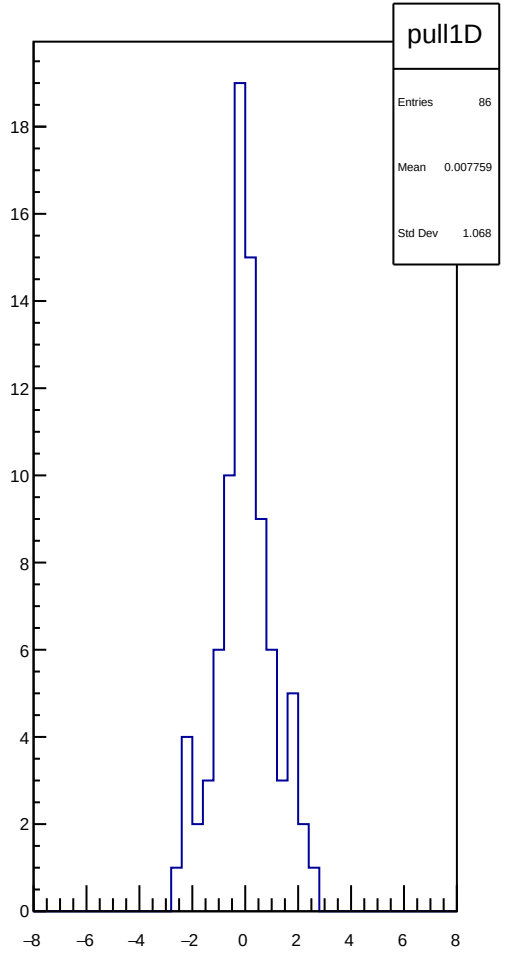

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 66.24 / 85
p0 1601 ± 1.244
1640
1630
1620
1610
1600
1590
1580
1570
1560

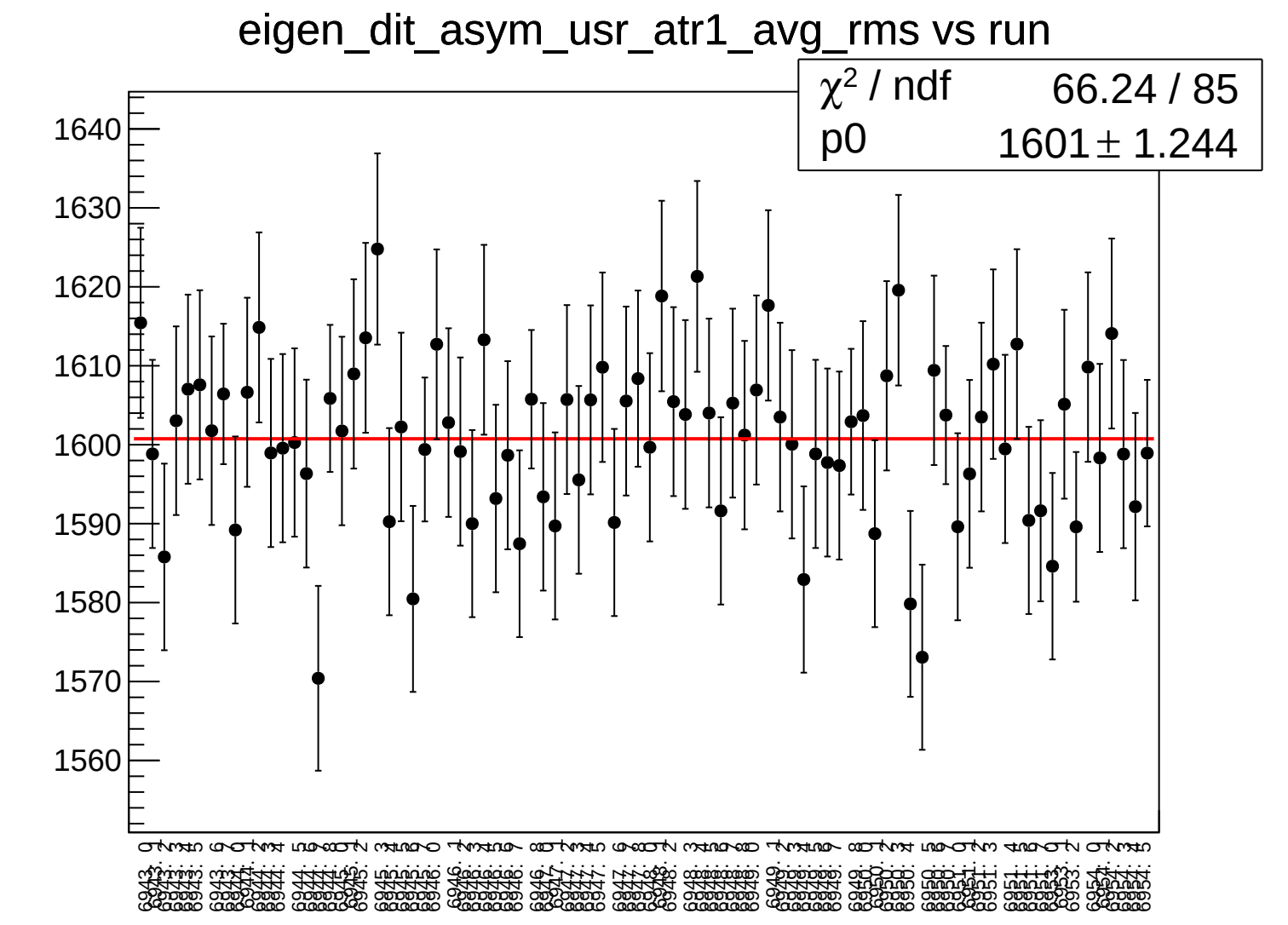

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 93.14 / 85
p0 187.3 ± 1273
pull
Entries 86
Mean 126.8
Std Dev 0

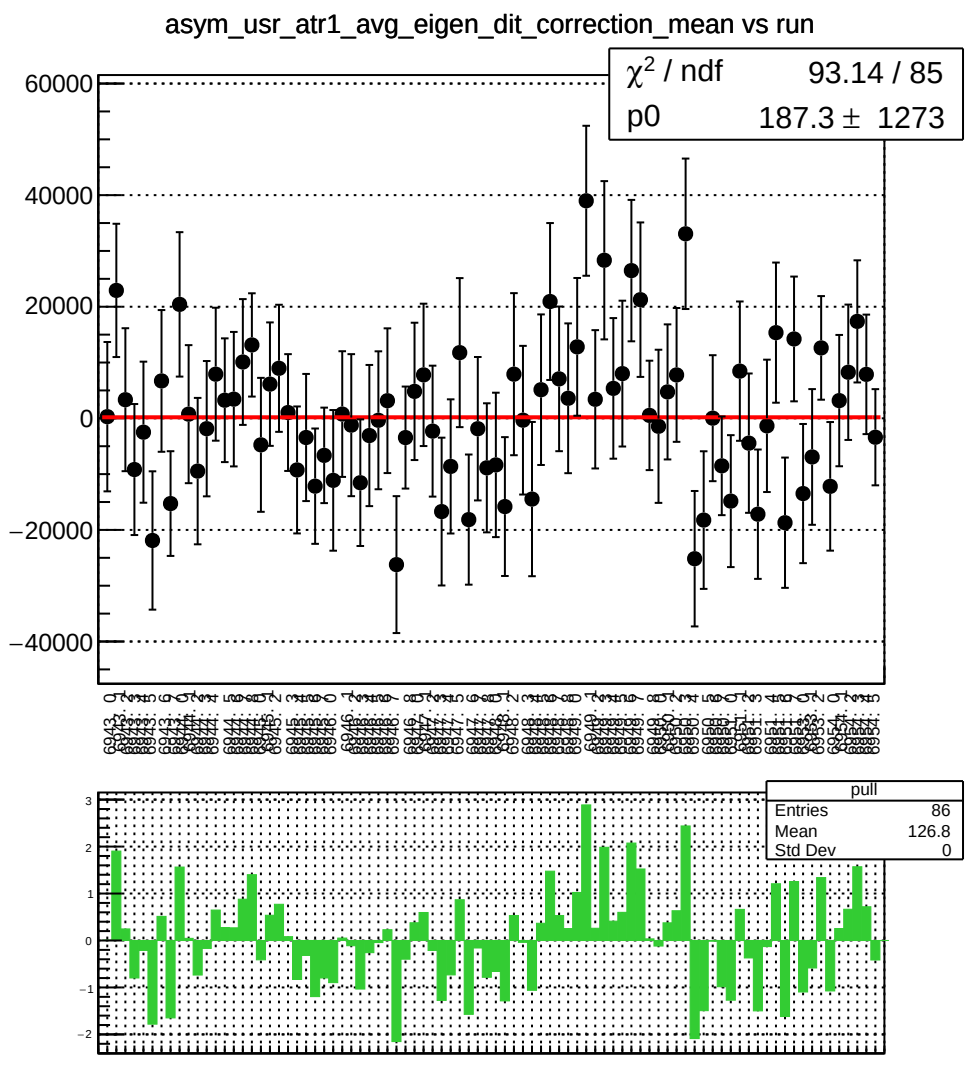

pull1D
Entries 86
Mean 0.02339
Std Dev 1.04

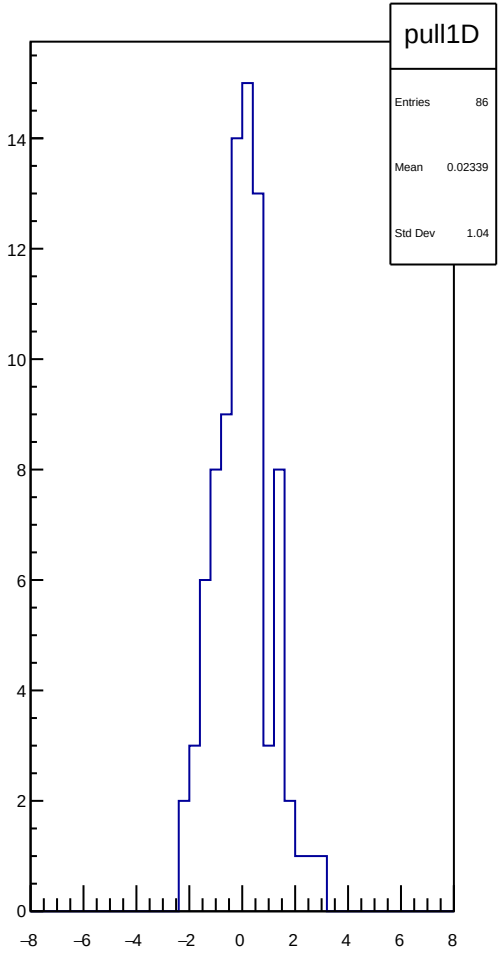

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 7703 / 85
p0 1156 ± 0.9
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

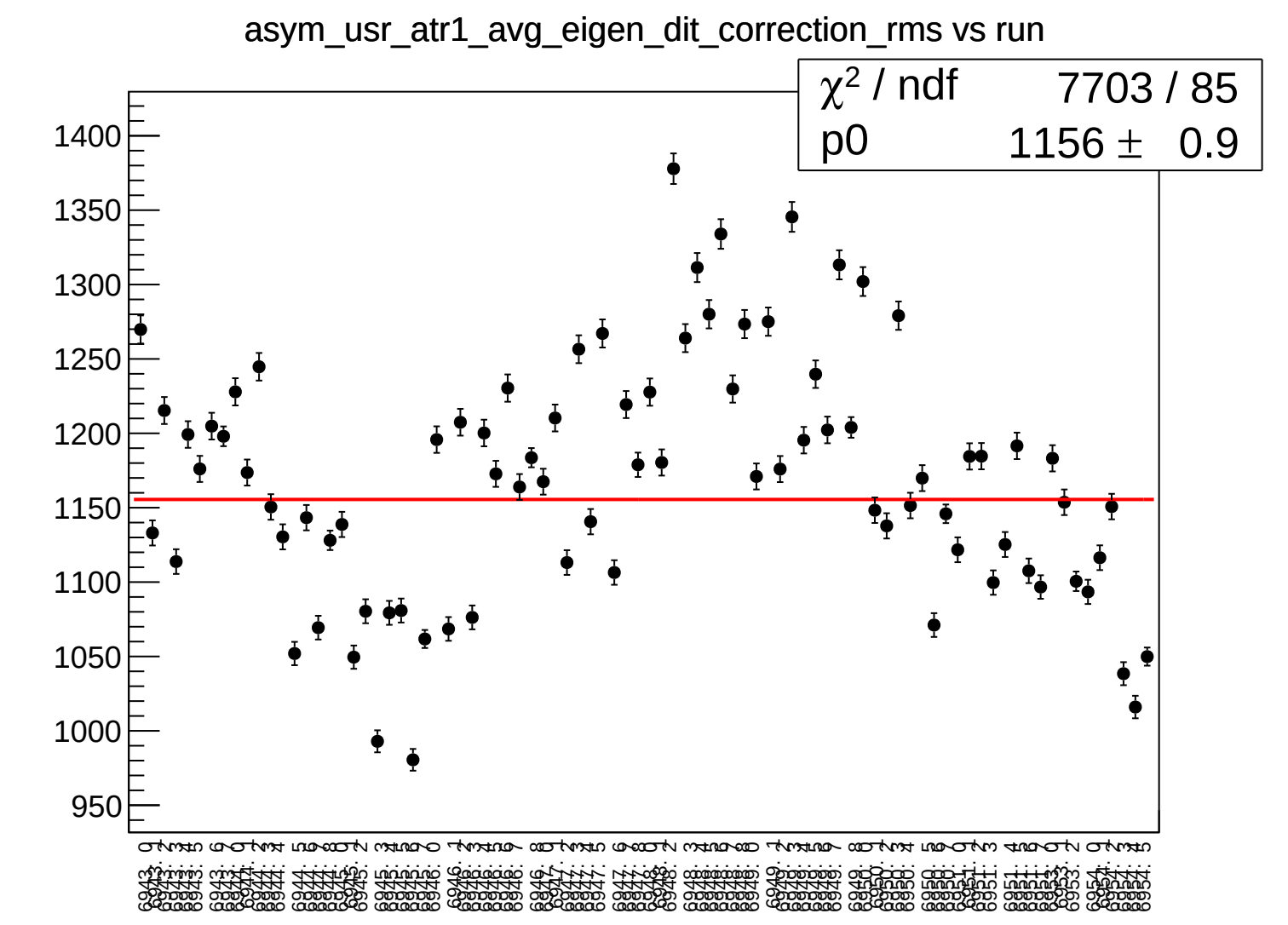

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 98.07 / 85
p0 4734 ± 1759
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −348.6
Std Dev 0
2
1
0
−1
−2

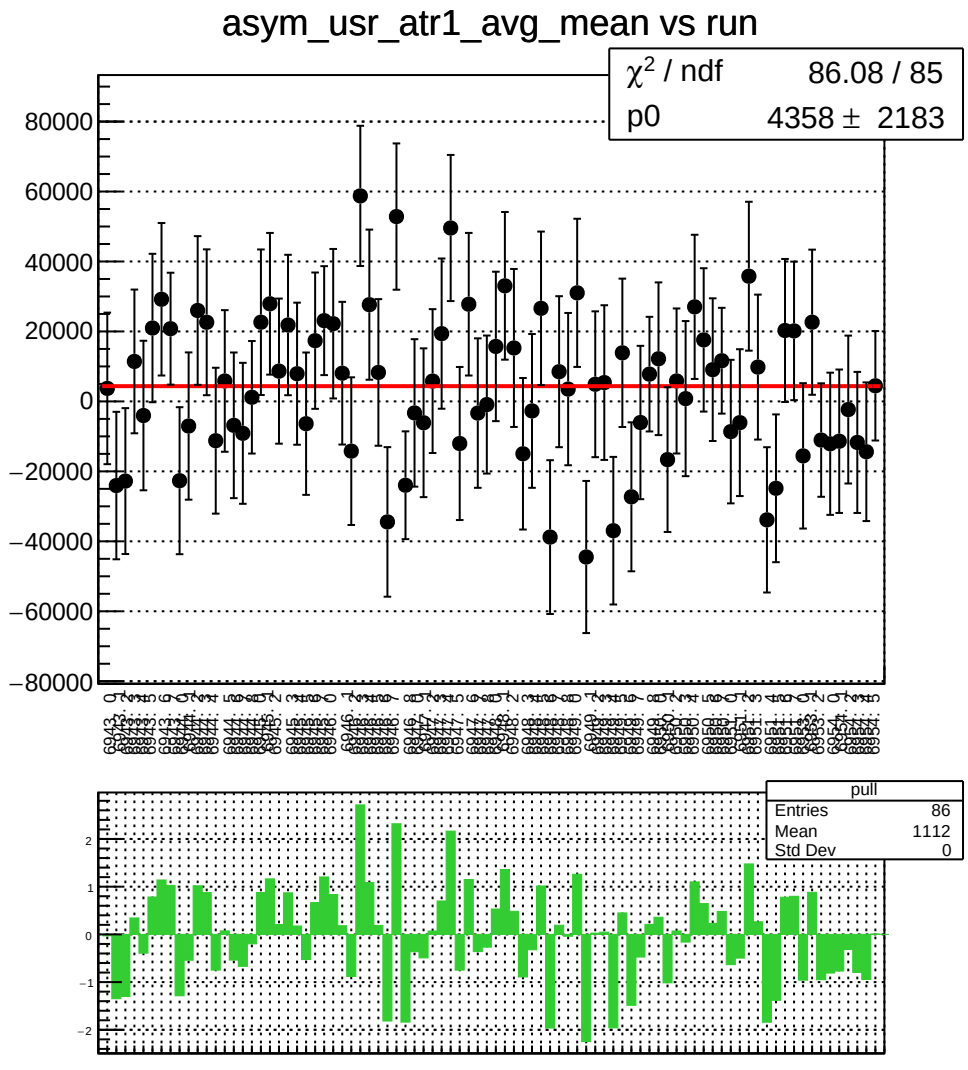

pull1D
Entries 86
Mean 0.007759
Std Dev 1.068
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

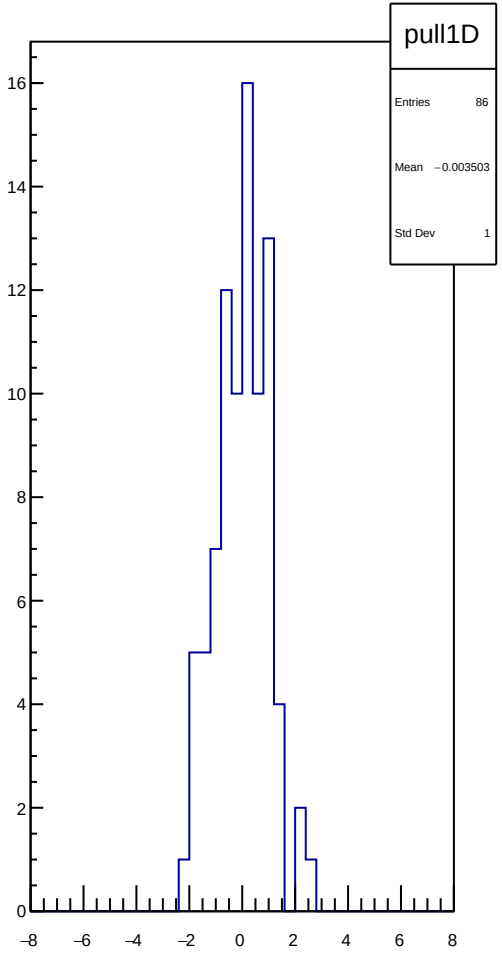

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 66.24 / 85
p0 1601 ± 1.244
1640
1630
1620
1610
1600
1590
1580
1570
1560

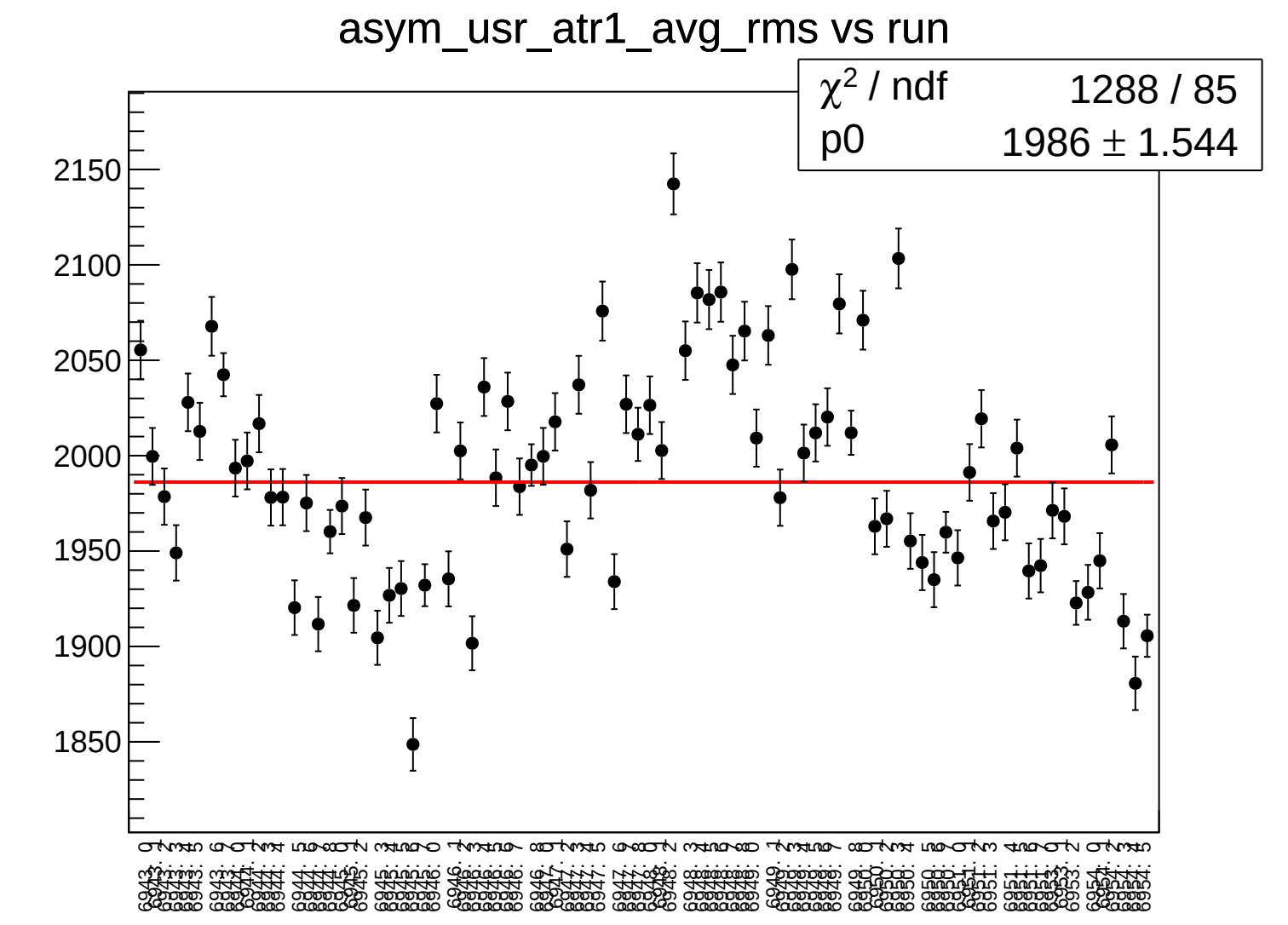

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 93.14 / 85
p0 187.3 ± 1273
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 126.8
Std Dev 0
3
2
1
0
−1
−2

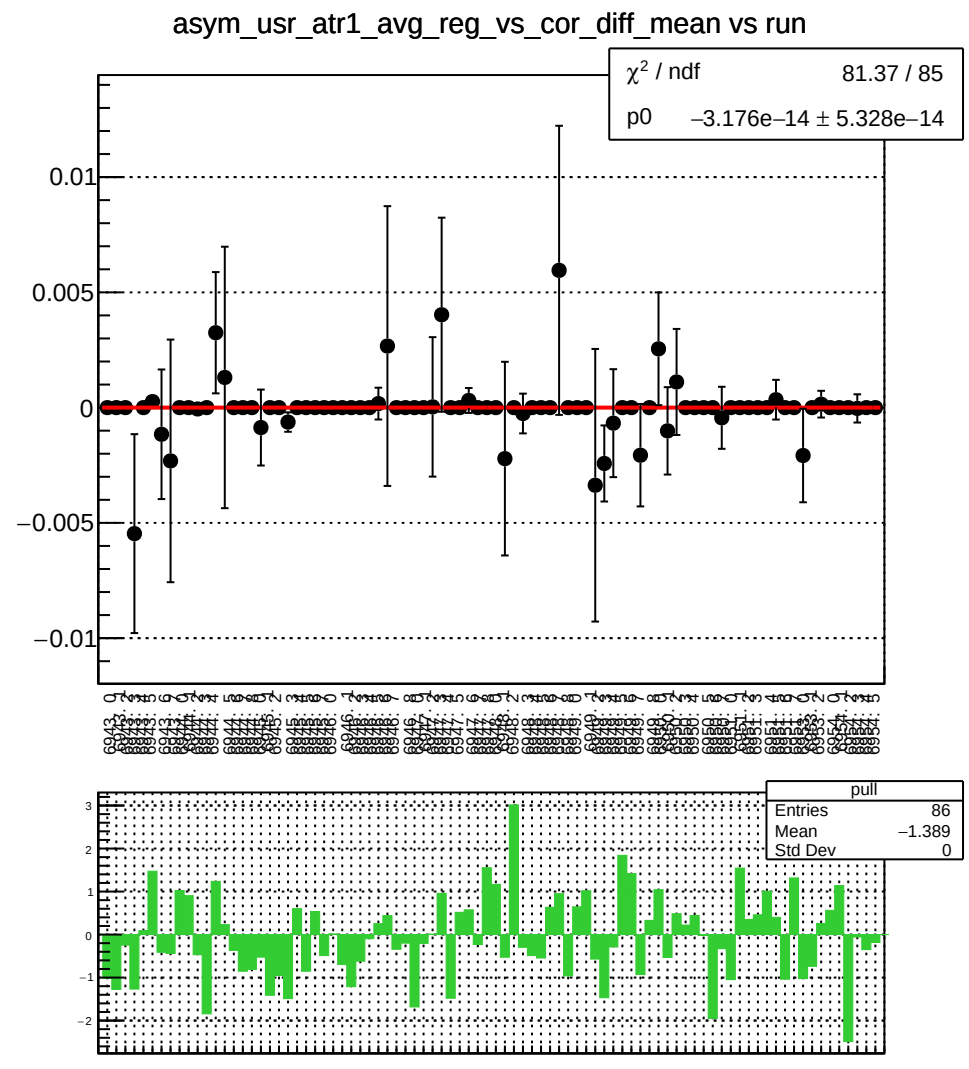

pull1D
Entries 86
Mean 0.02339
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

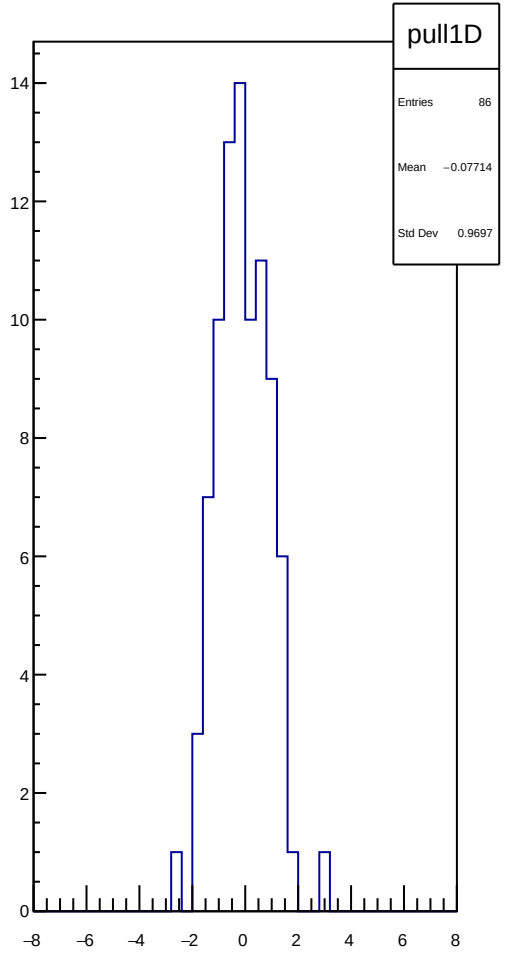

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 7703 / 85
p0 1156 ± 0.9
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

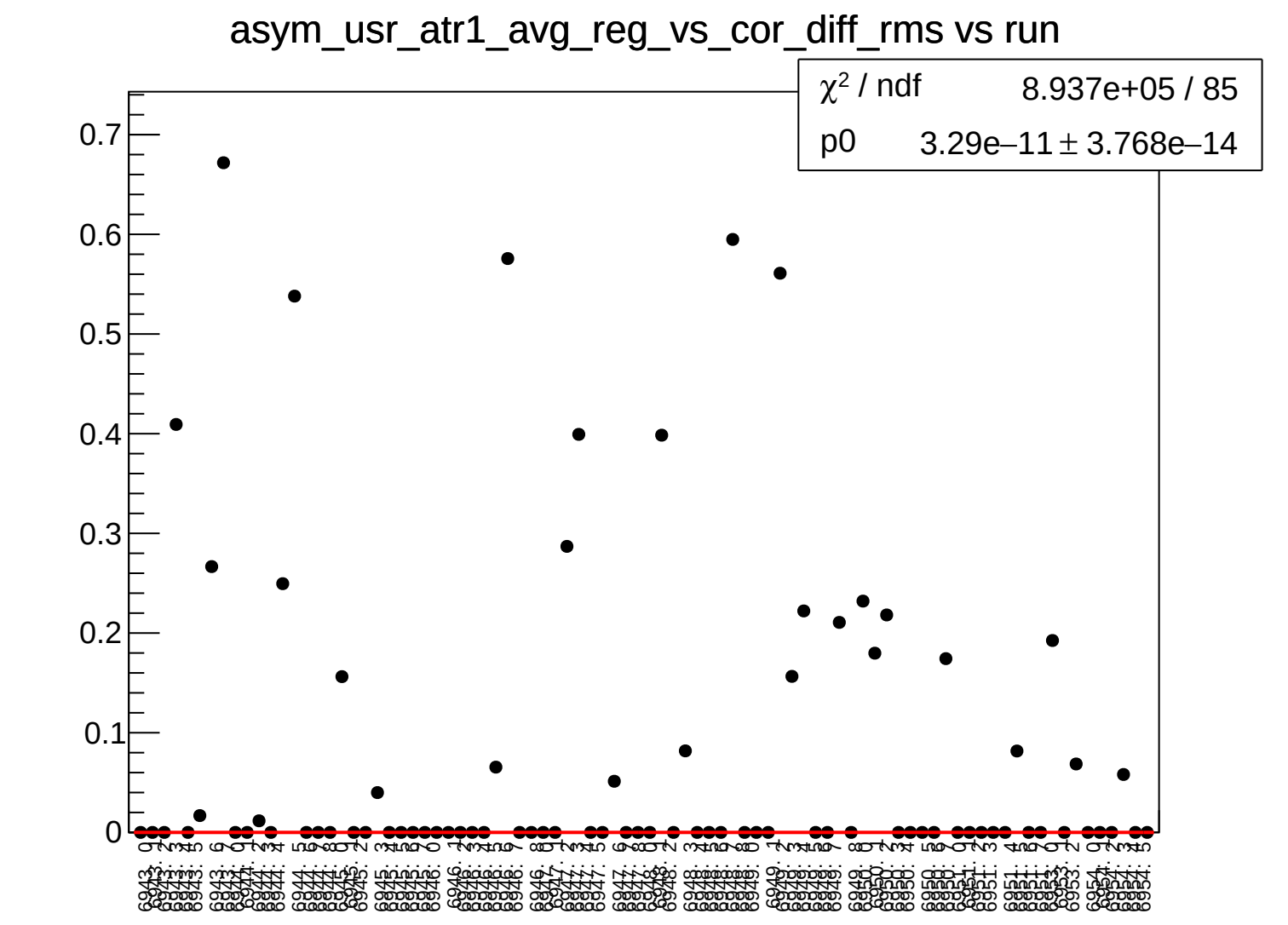

asym_usr_atr1_avg_mean vs run
χ² / ndf 86.08 / 85
p0 4358 ± 2183
pull
Entries 86
Mean 1112
Std Dev 0

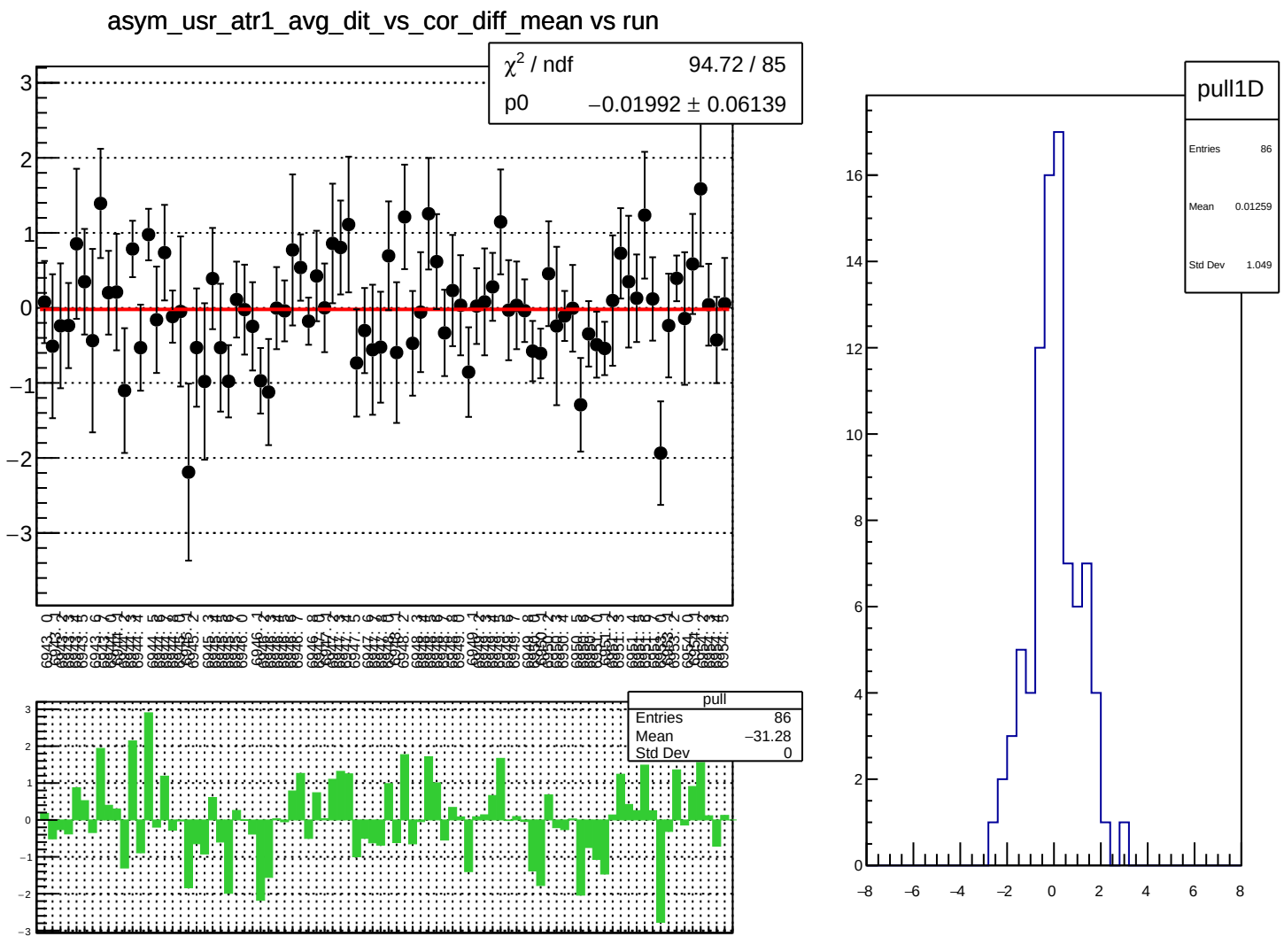

pull1D
Entries 86
Mean −0.003503
Std Dev 1

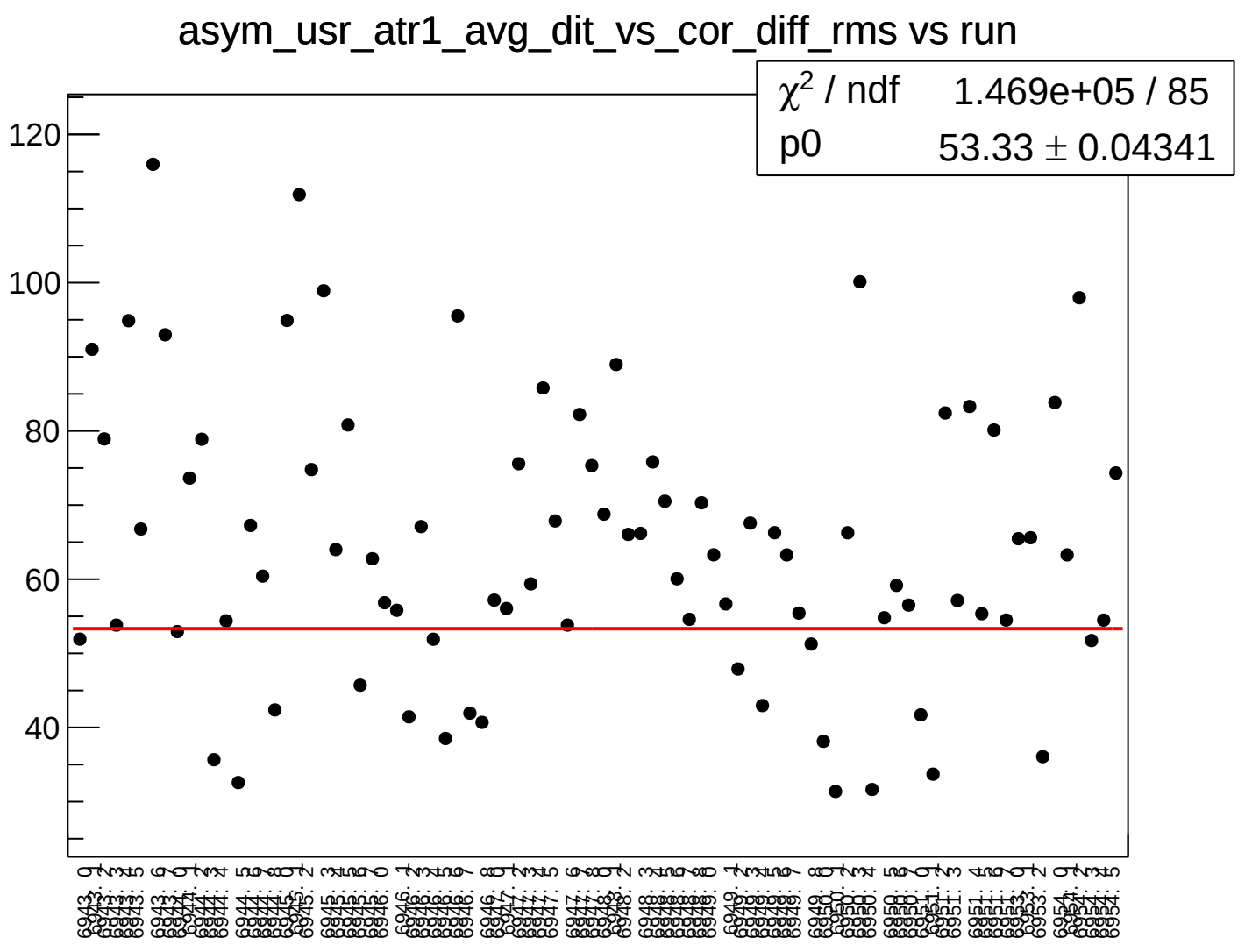

asym_usr_atr1_avg_rms vs run
χ² / ndf 1288 / 85
p0 1986 ± 1.544
2150
2100
2050
2000
1950
1900
1850

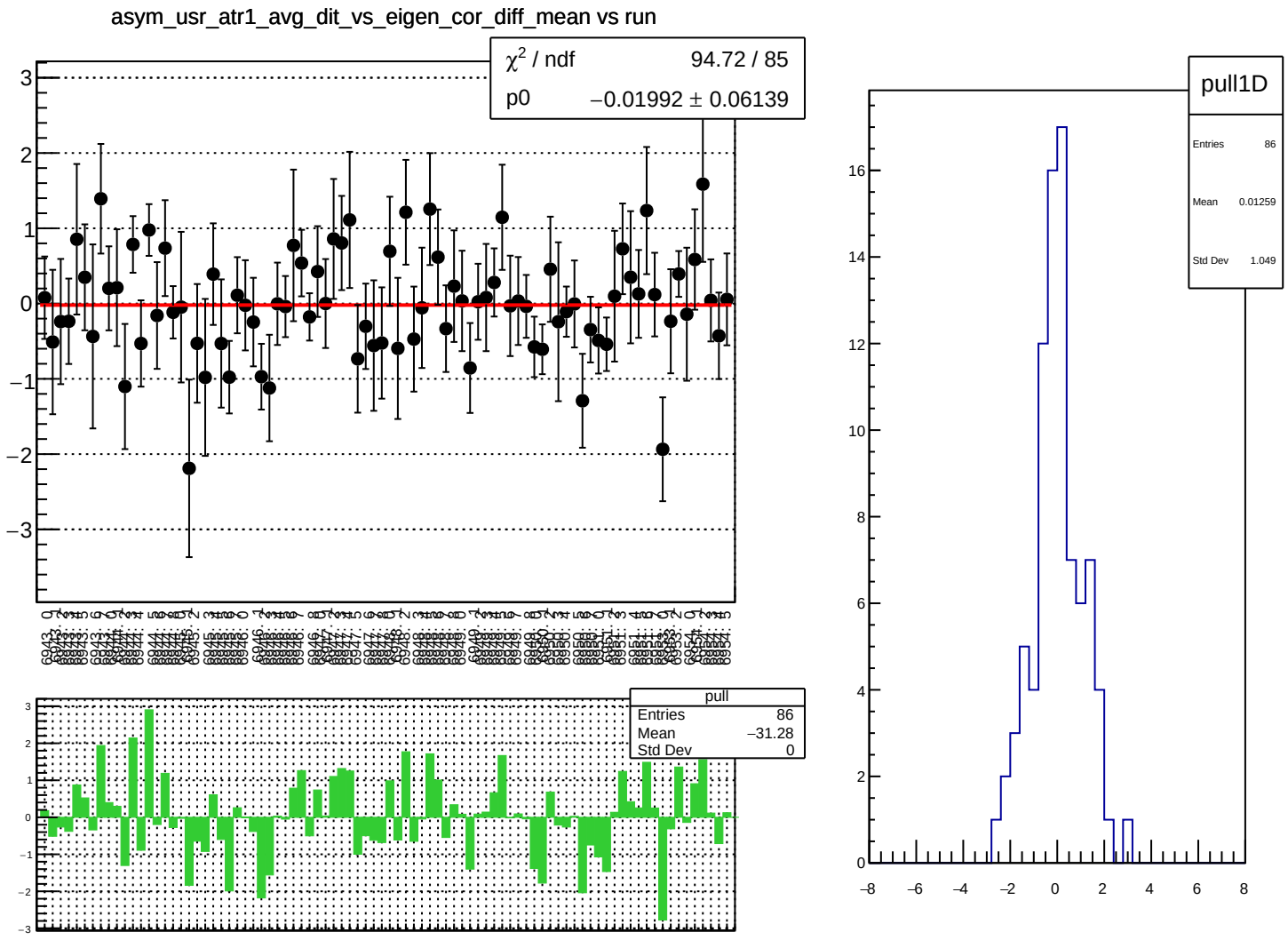

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 85
p0 −3.176e−14 ± 5.328e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 86
Mean −1.389
Std Dev 0
3
2
1
0
−1
−2

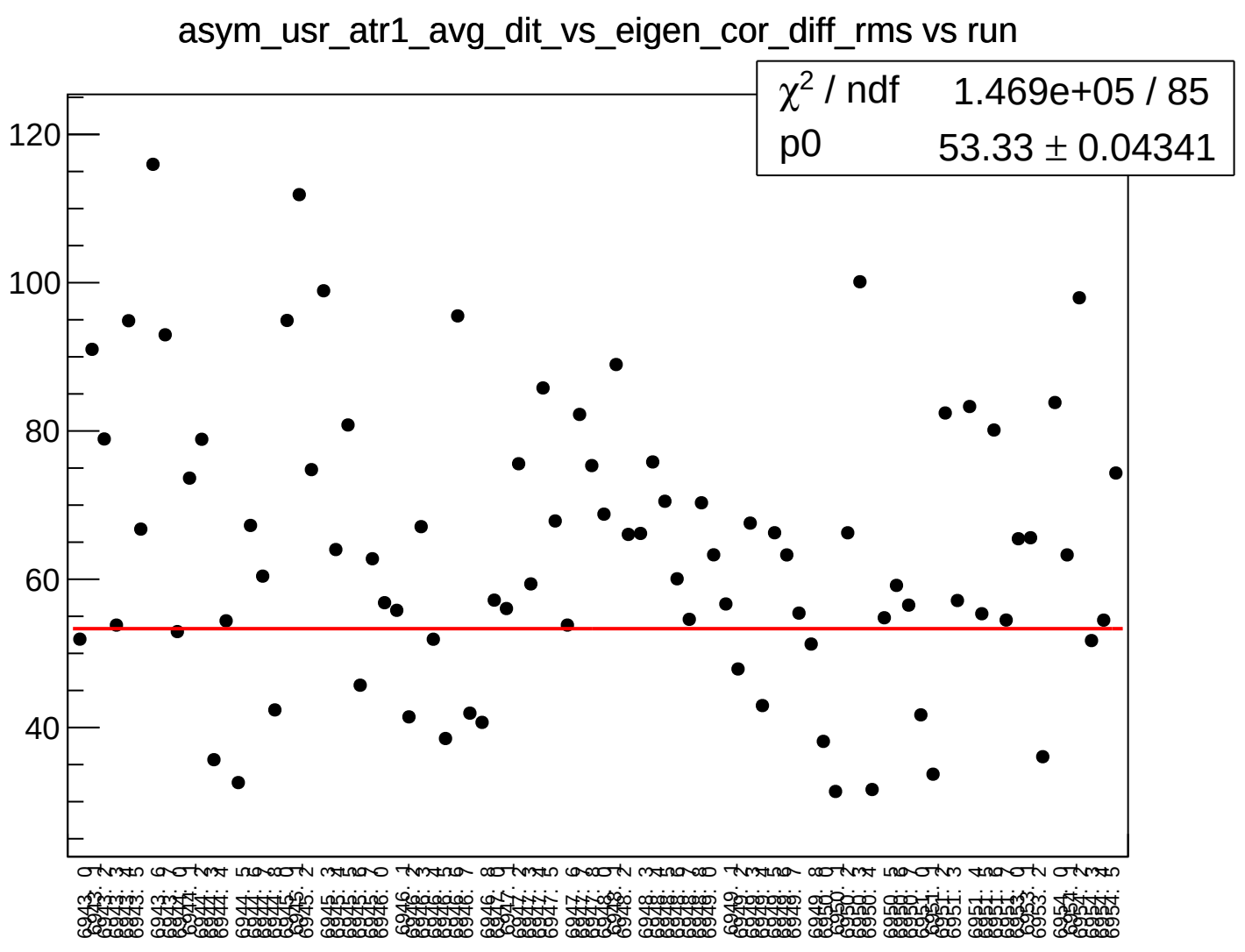

pull1D
Entries 86
Mean −0.07714
Std Dev 0.9697
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

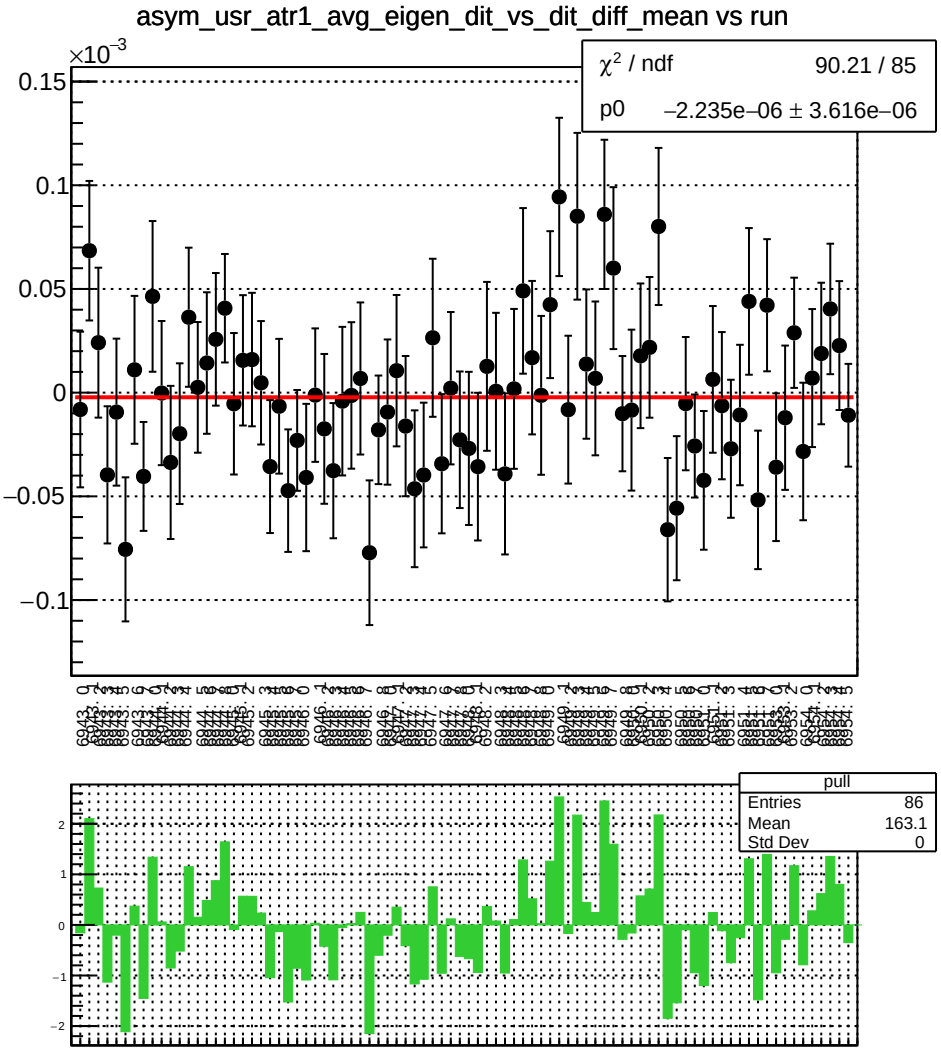

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.937e+05 / 85
p0 3.29e−11 ± 3.768e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

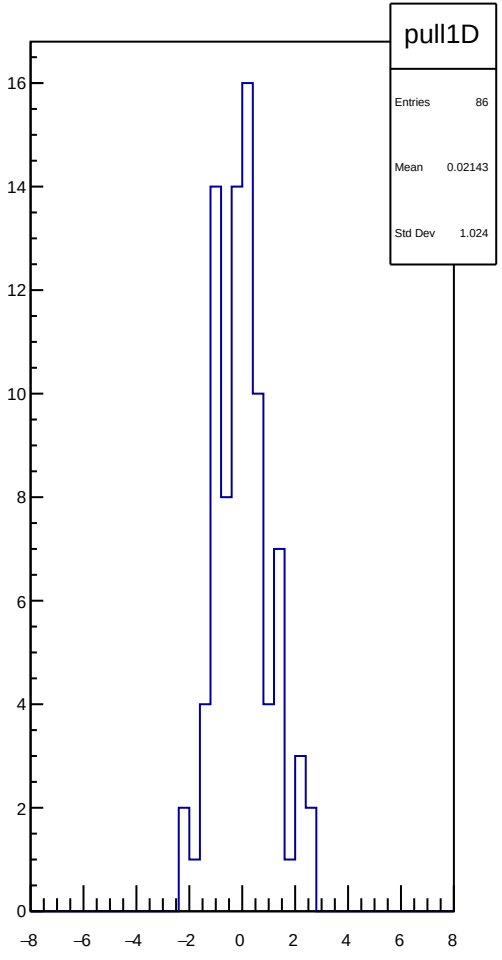

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.72 / 85
p0 −0.01992 ± 0.06139
pull
Entries 86
Mean −31.28
Std Dev 0
pull1D
Entries 86
Mean 0.01259
Std Dev 1.049

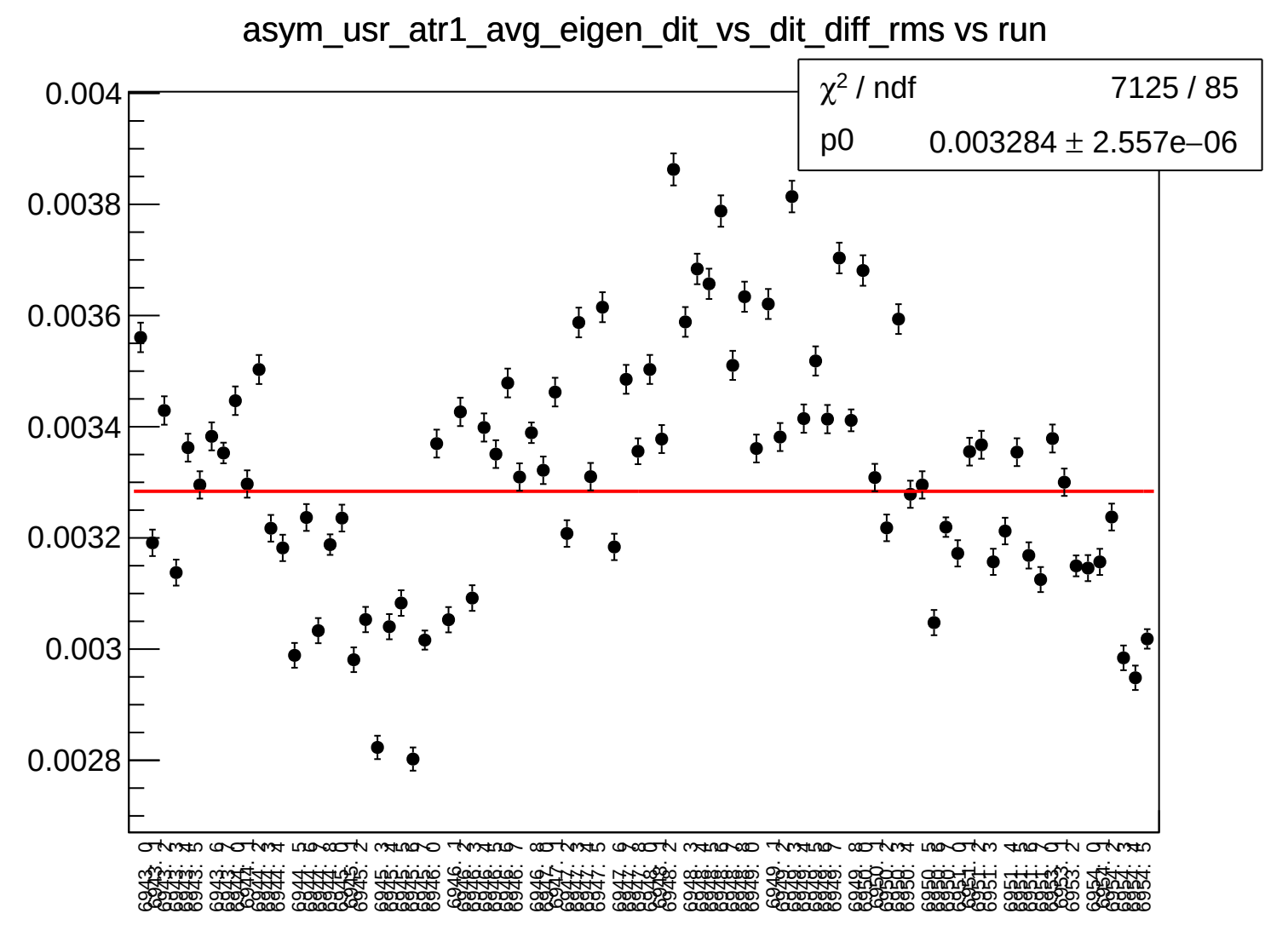

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.469e+05 / 85
p0 53.33 ± 0.04341
120
100
80
60
40

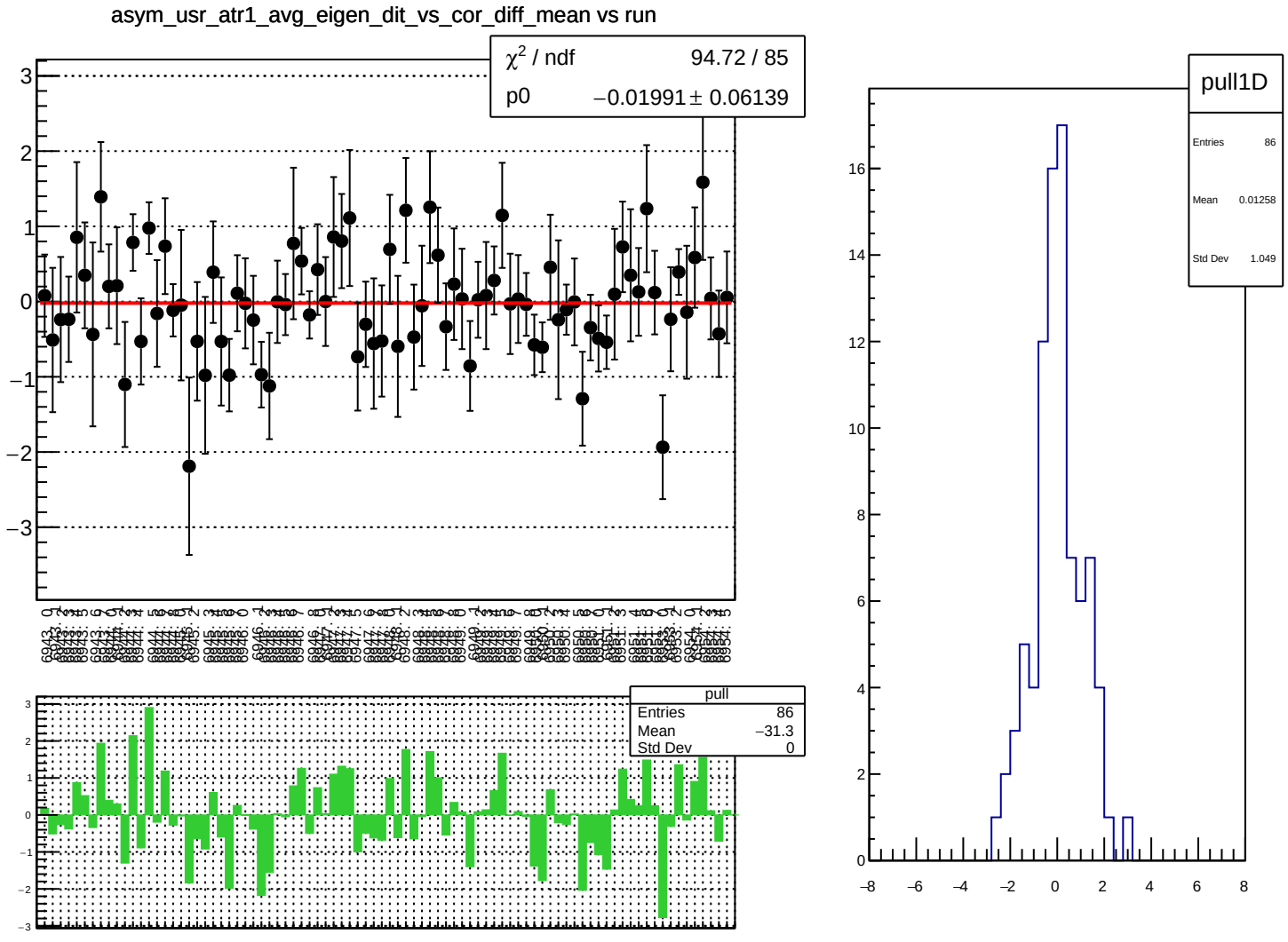

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.72 / 85
p0 −0.01992 ± 0.06139
pull
Entries 86
Mean −31.28
Std Dev 0
pull1D
Entries 86
Mean 0.01259
Std Dev 1.049

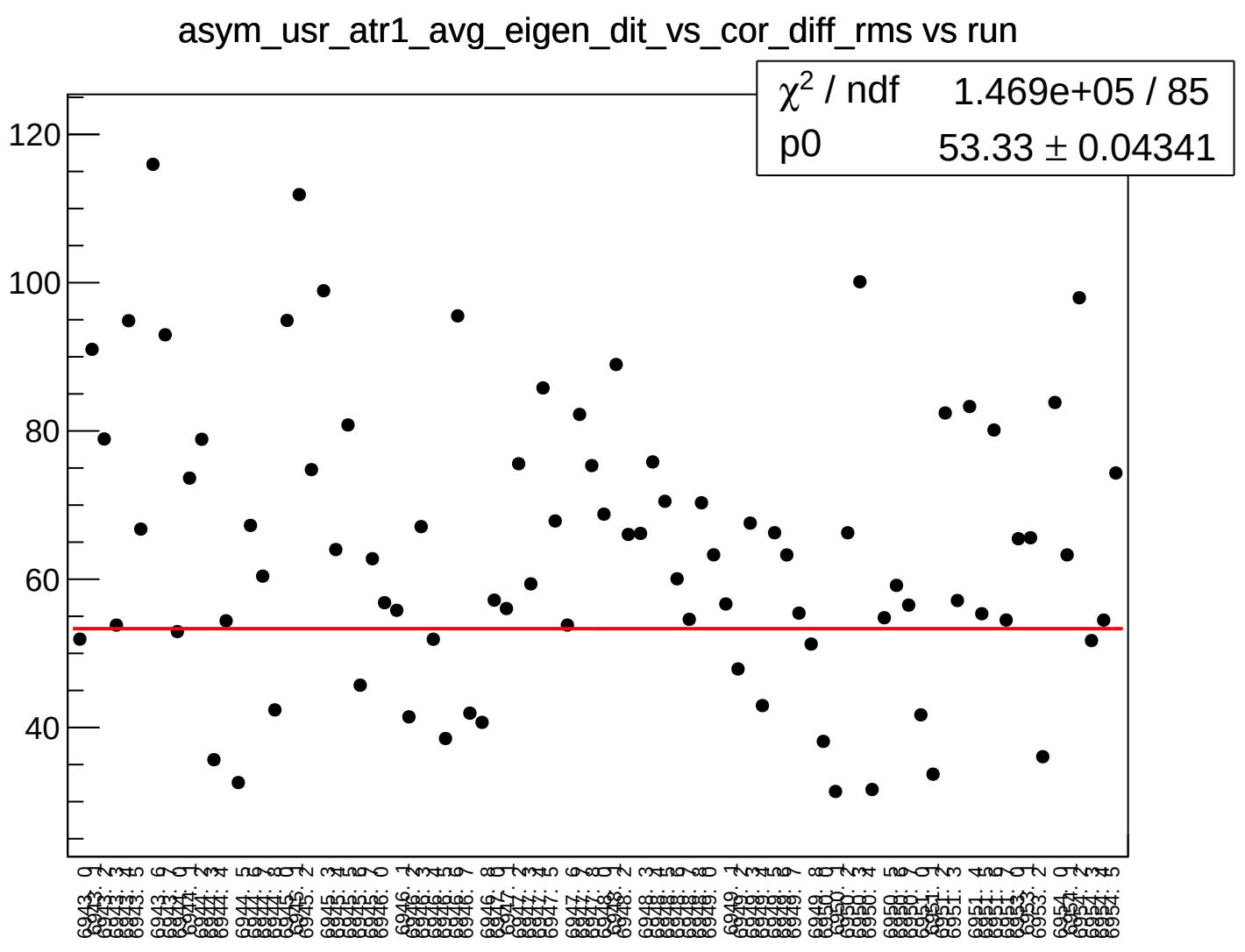

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.469e+05 / 85
p0 53.33 ± 0.04341
120
100
80
60
40

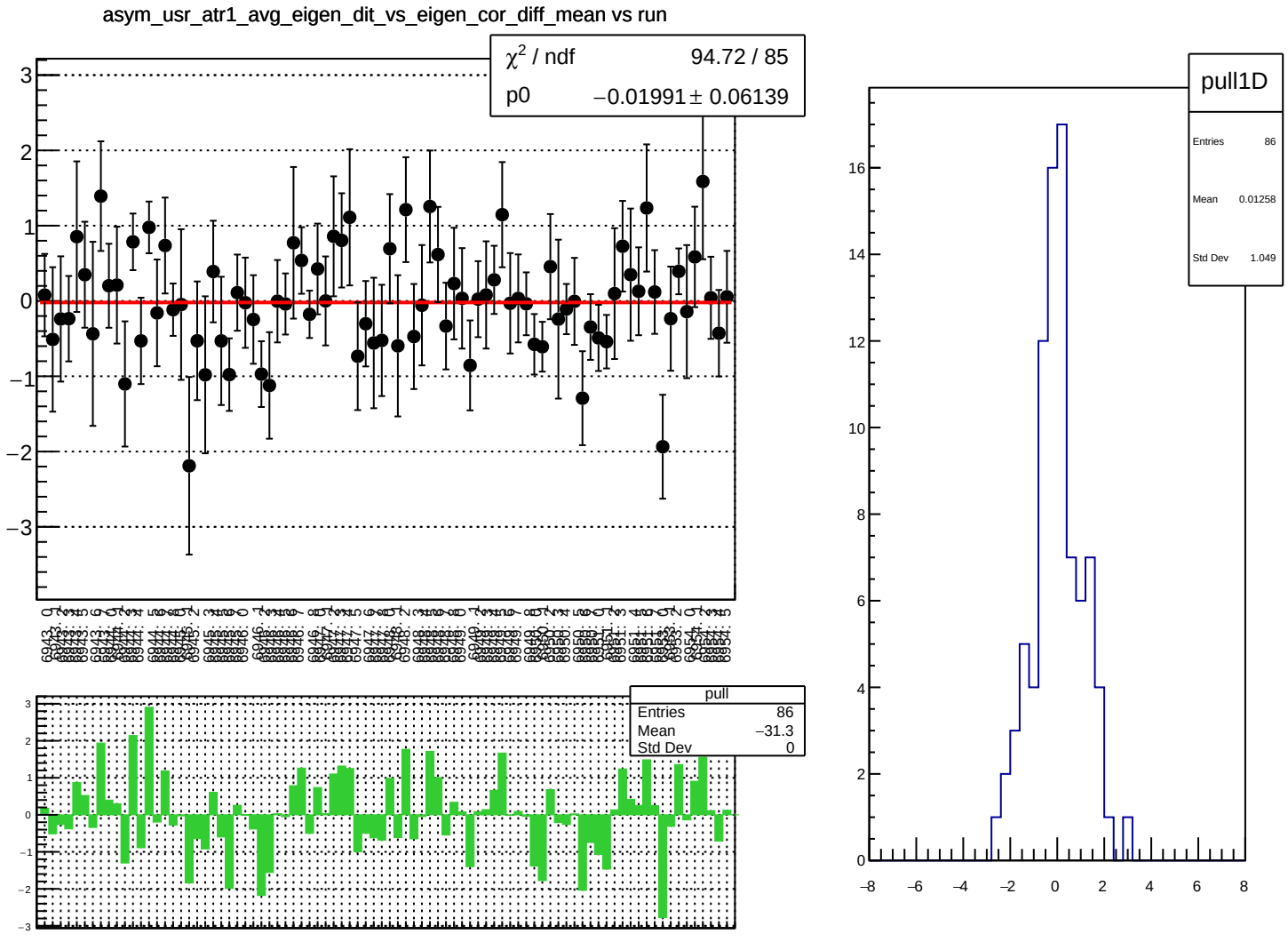

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.21 / 85
p0 −2.235e−06 ± 3.616e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 163.1
Std Dev 0
2
1
0
−1
−2

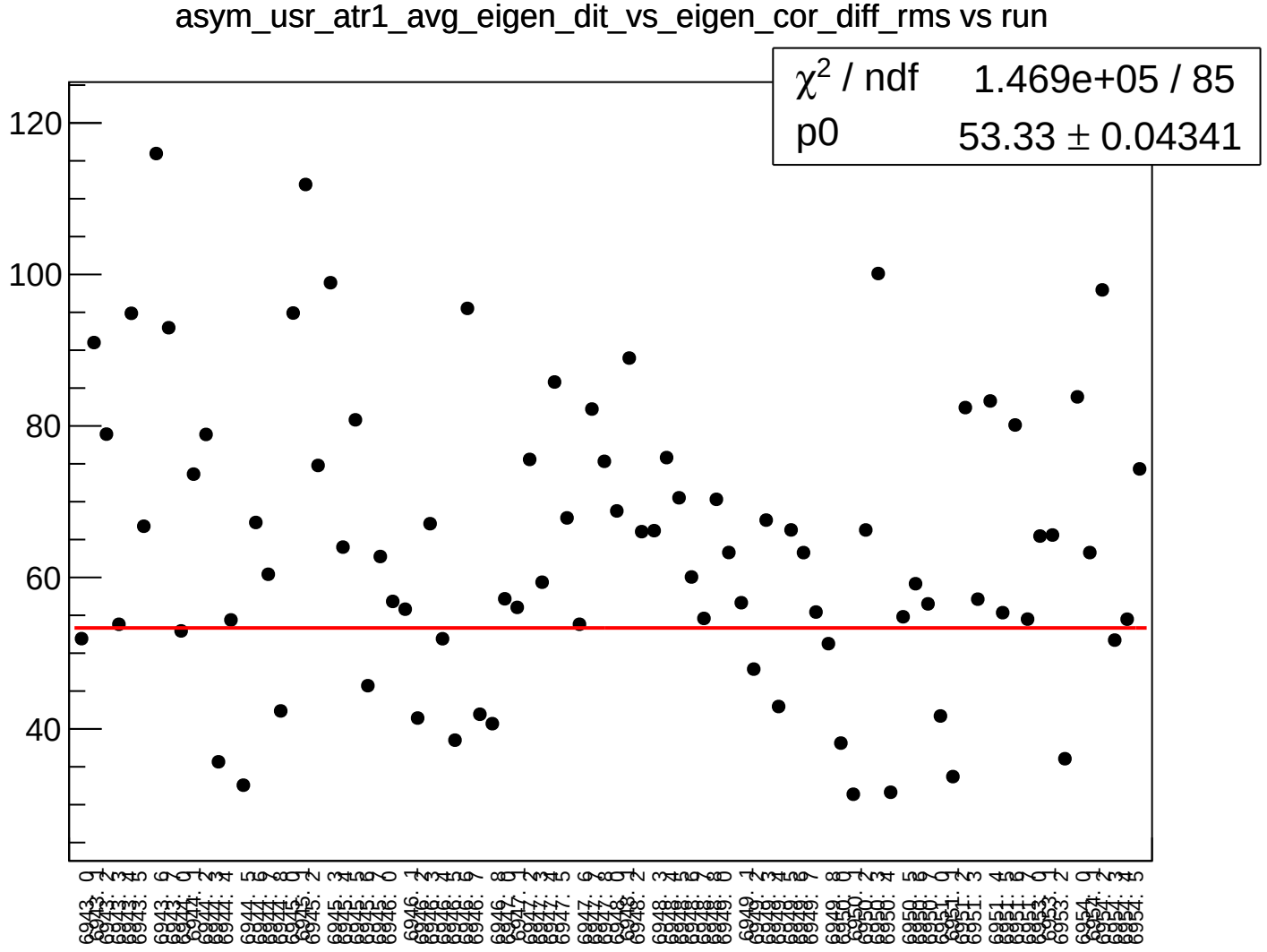

pull1D
Entries 86
Mean 0.02143
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

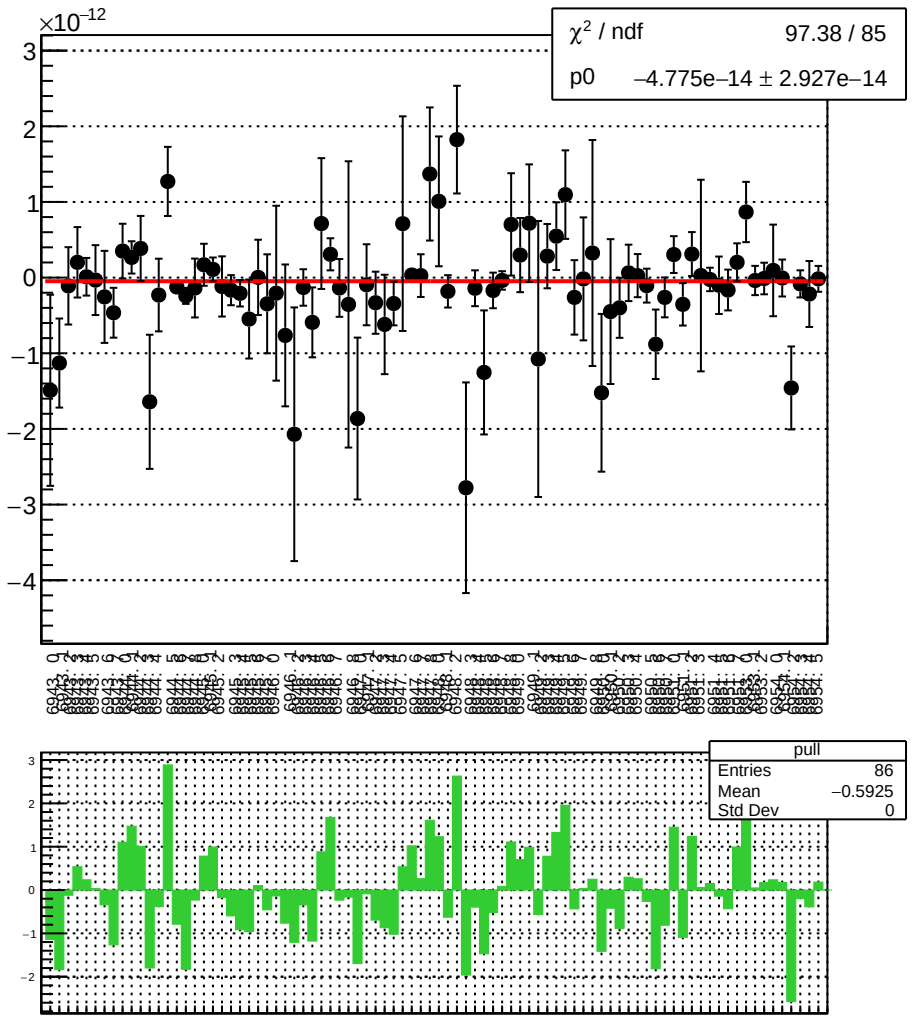

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7125 / 85
p0 0.003284 ± 2.557e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

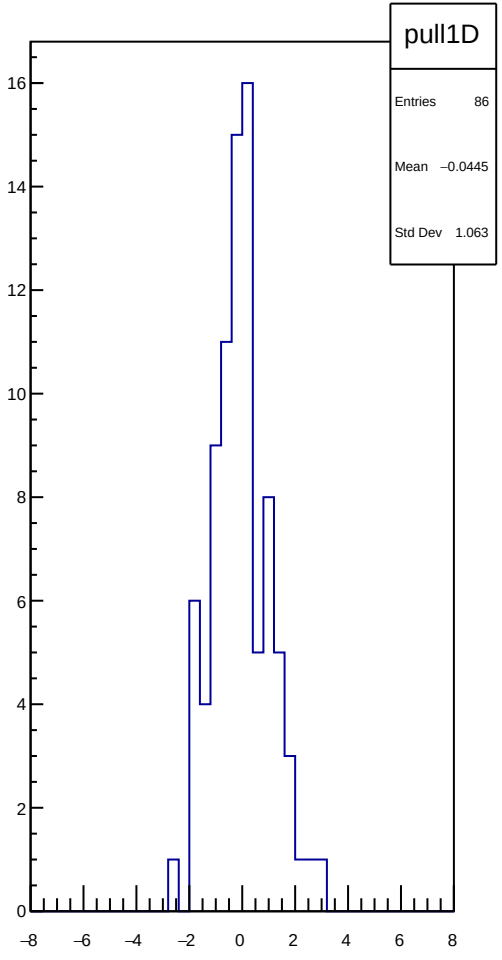

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.72 / 85
p0 −0.01991 ± 0.06139
pull
Entries 86
Mean −31.3
Std Dev 0
pull1D
Entries 86
Mean 0.01258
Std Dev 1.049

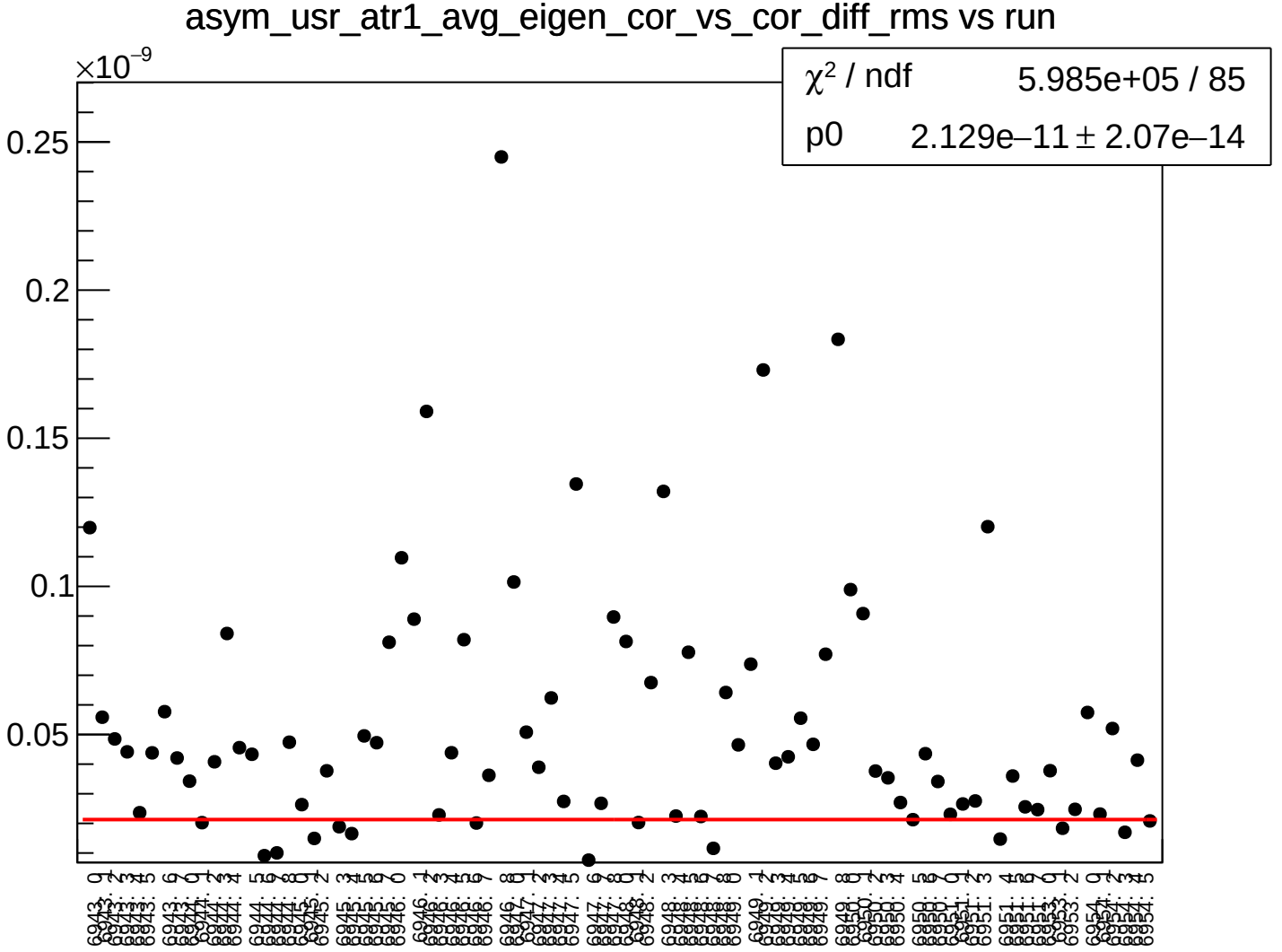

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.469e+05 / 85
p0 53.33 ± 0.04341
120
100
80
60
40

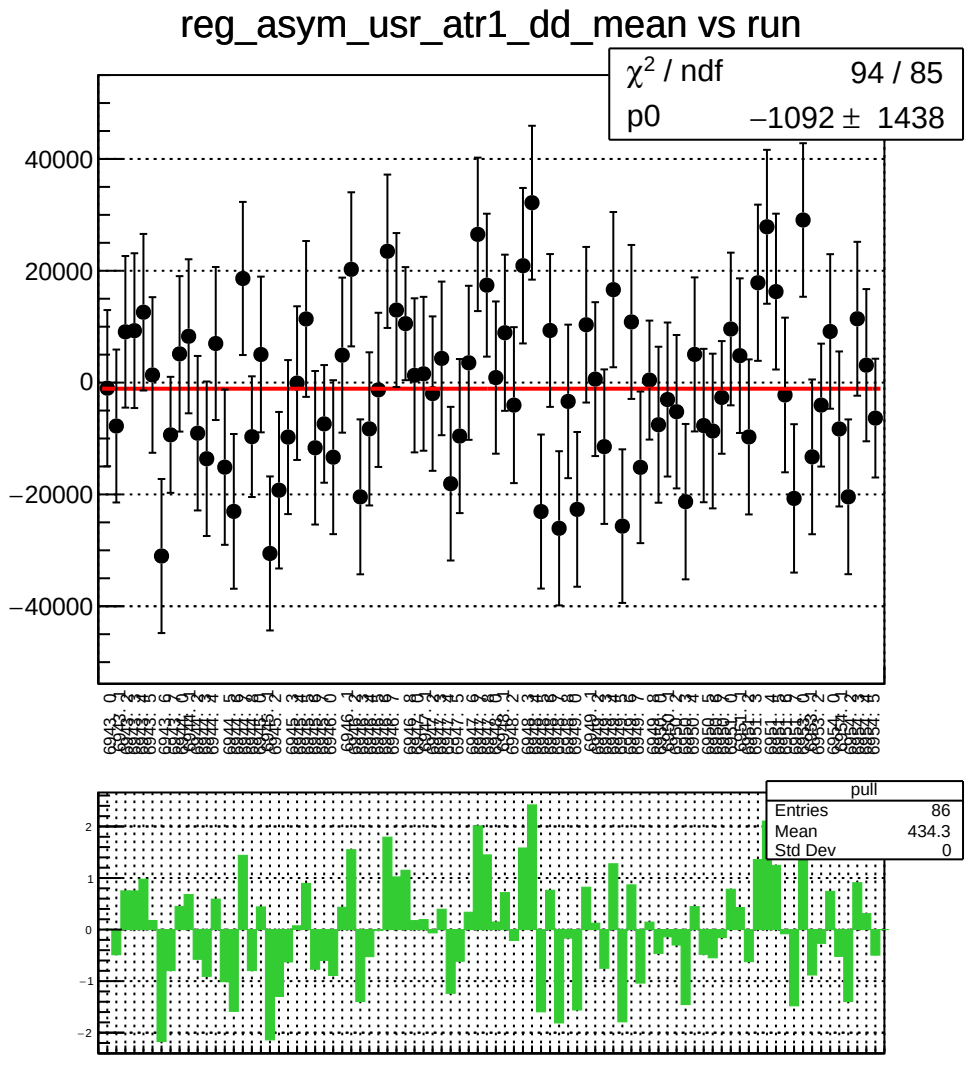

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.72 / 85
p0 −0.01991 ± 0.06139
pull
Entries 86
Mean −31.3
Std Dev 0
pull1D
Entries 86
Mean 0.01258
Std Dev 1.049

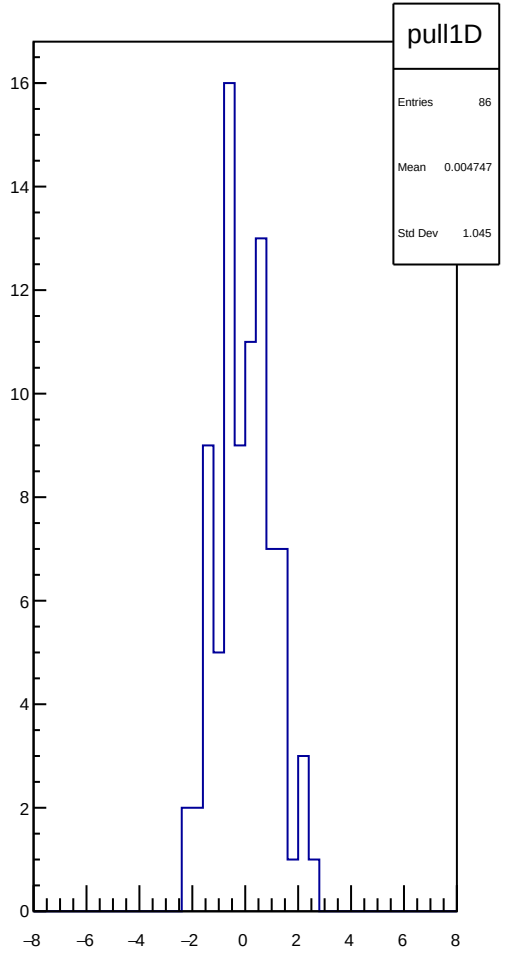

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.469e+05 / 85
p0 53.33 ± 0.04341
120
100
80
60
40

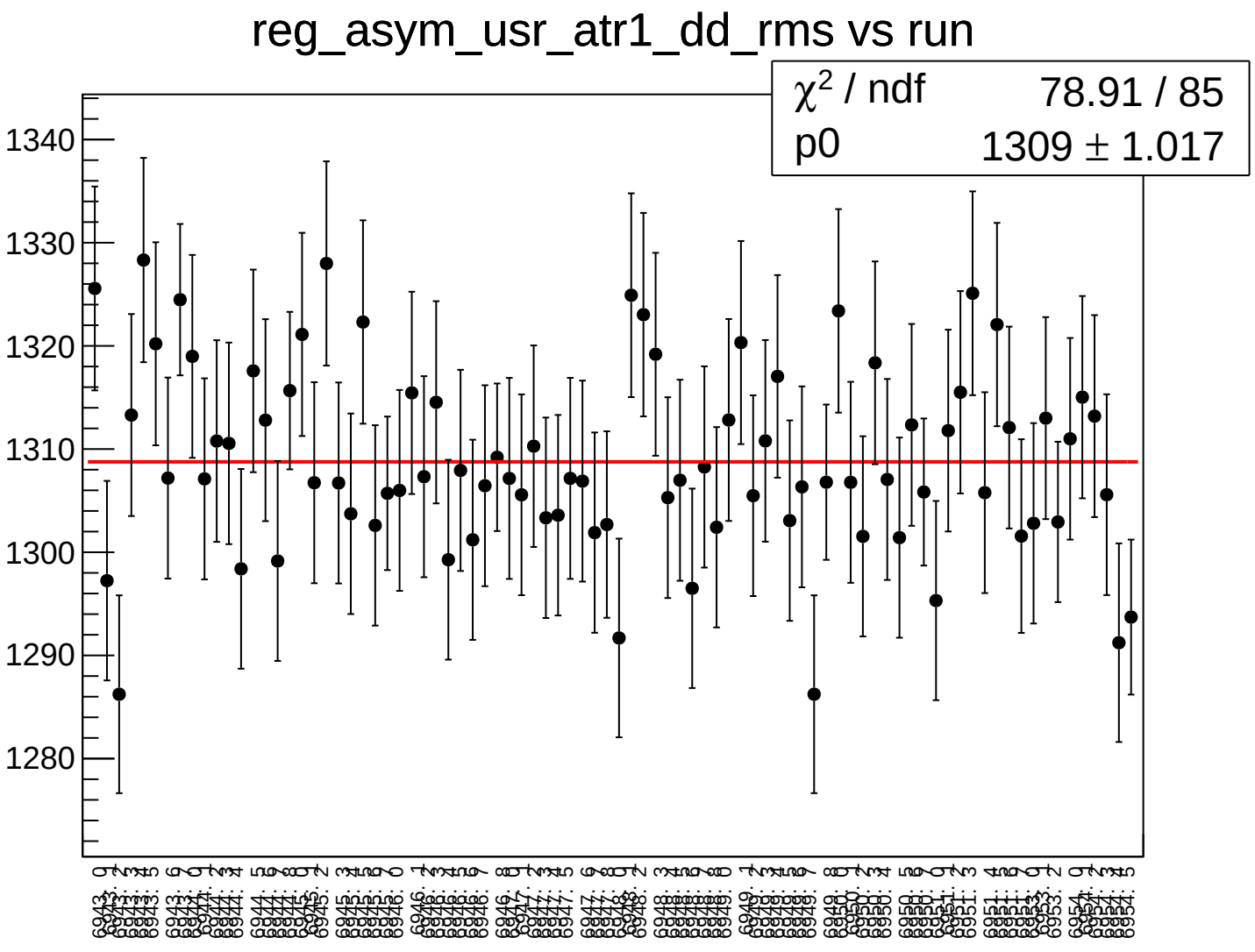

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.38 / 85
p0 −4.775e−14 ± 2.927e−14
pull
Entries 86
Mean −0.5925
Std Dev 0

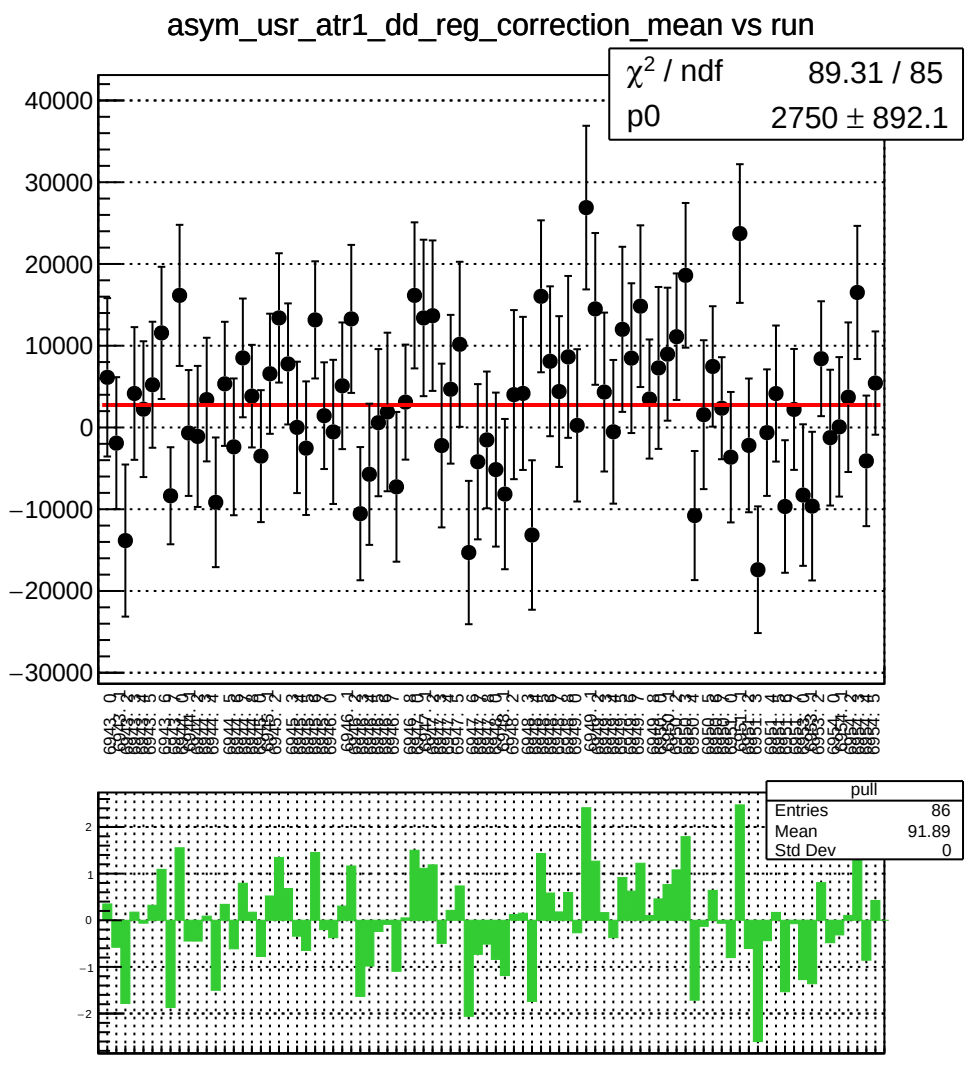

pull1D
Entries 86
Mean −0.0445
Std Dev 1.063

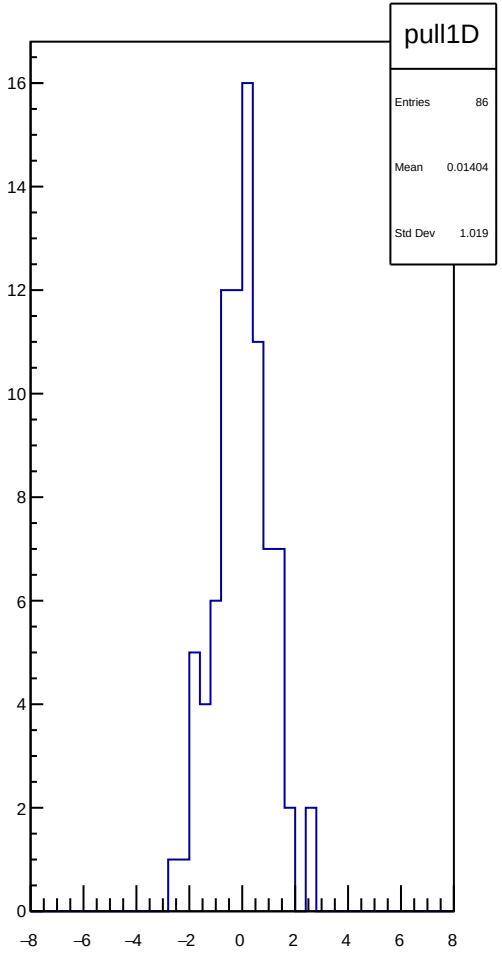

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.985e+05 / 85
p0 2.129e−11 ± 2.07e−14
0.25
0.2
0.15
0.1
0.05

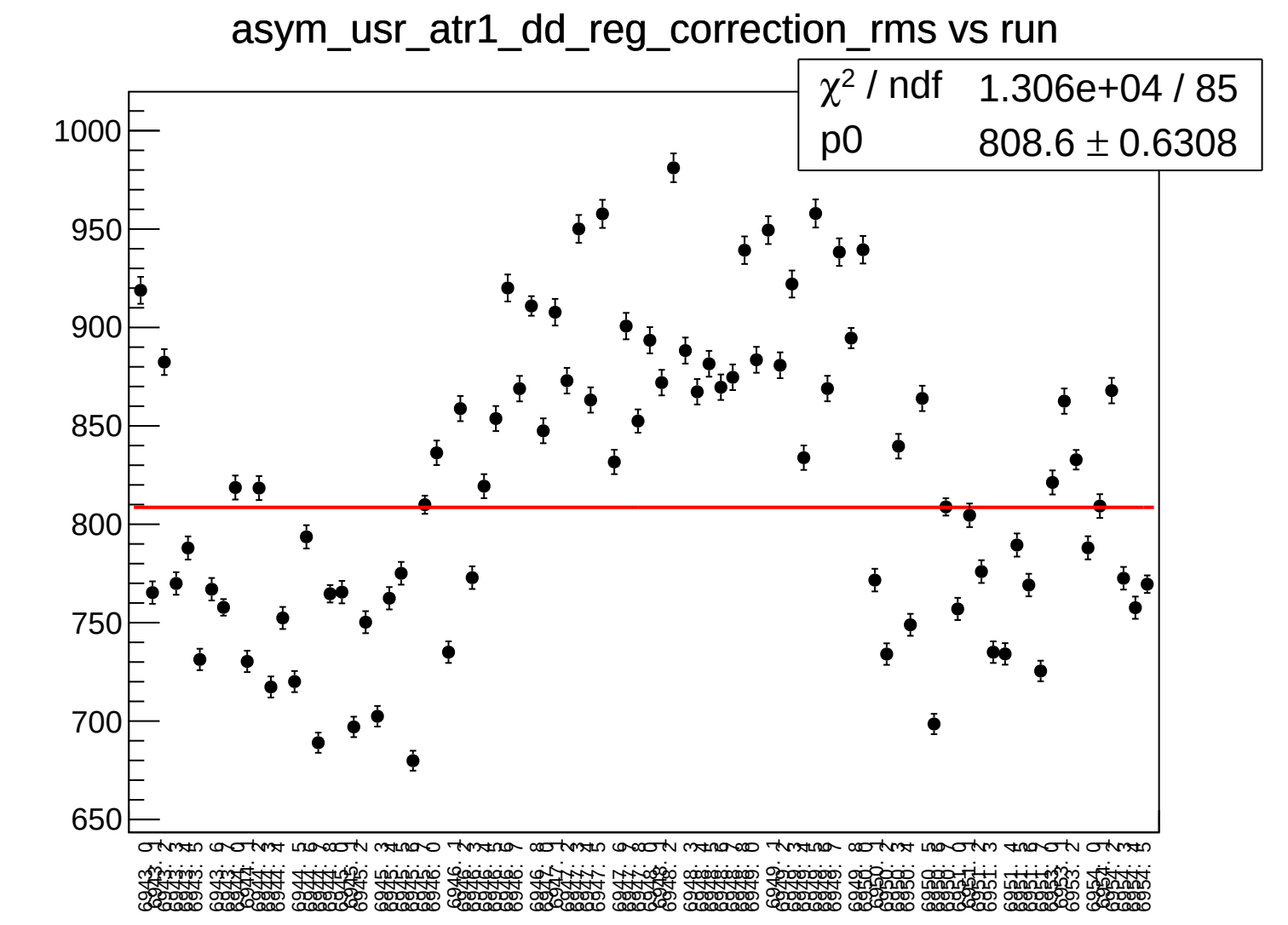

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 94 / 85
p0 −1092 ± 1438
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 434.3
Std Dev 0
2
1
0
−1
−2

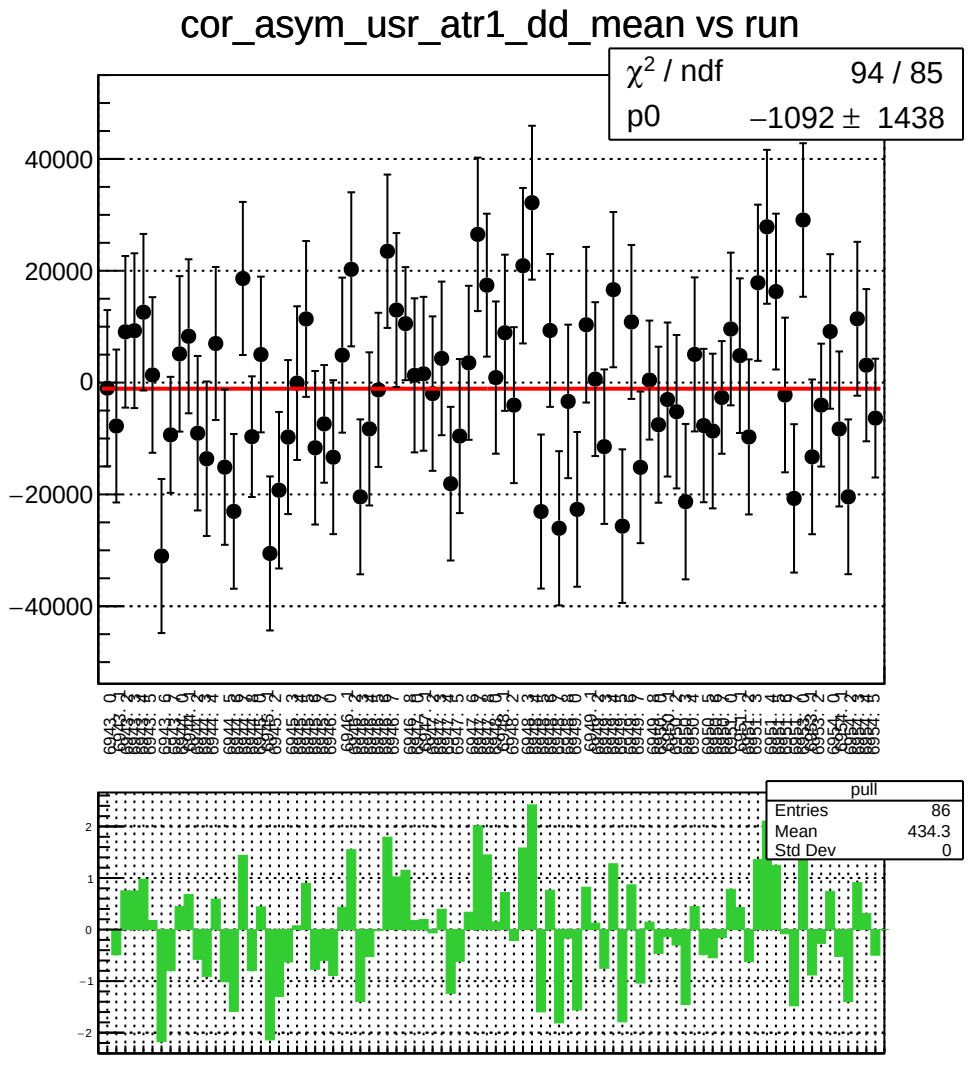

pull1D
Entries 86
Mean 0.004747
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

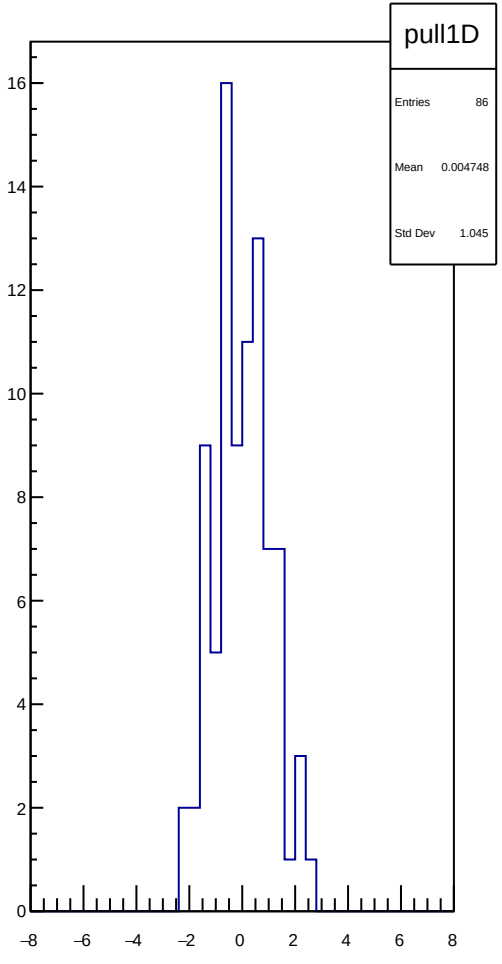

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 78.91 / 85
p0 1309 ± 1.017
1340
1330
1320
1310
1300
1290
1280

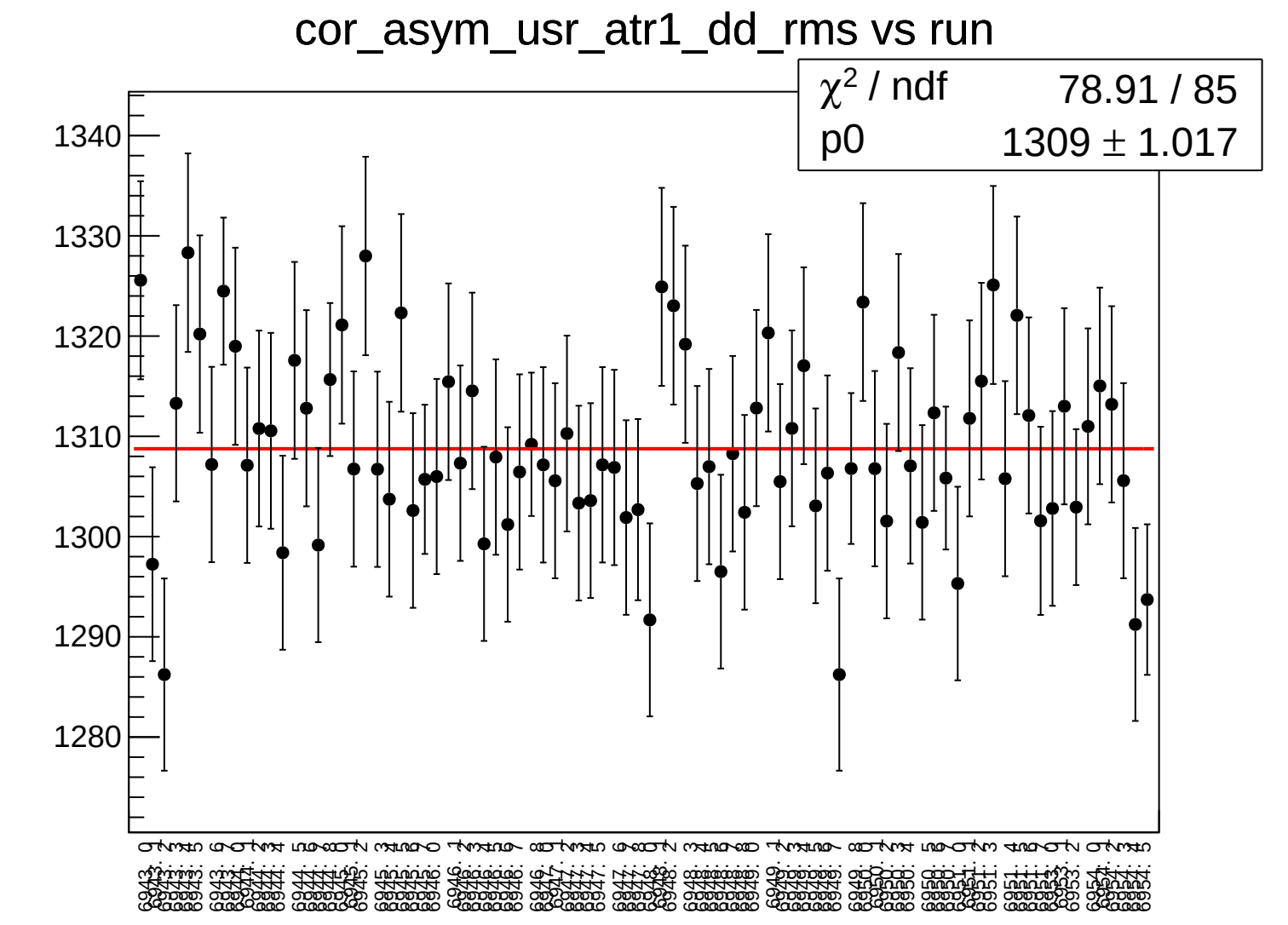

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 89.31 / 85
p0 2750 ± 892.1
pull
Entries 86
Mean 91.89
Std Dev 0

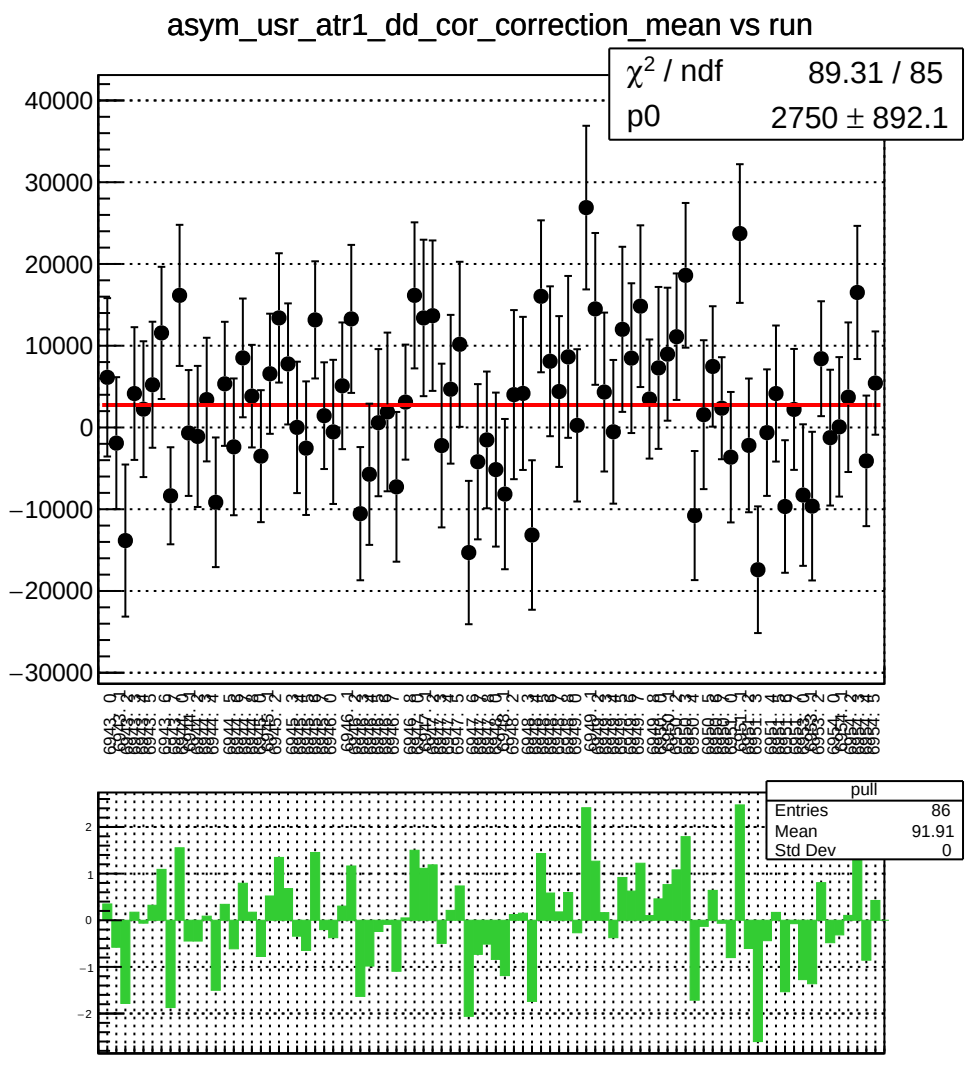

pull1D
Entries 86
Mean 0.01404
Std Dev 1.019

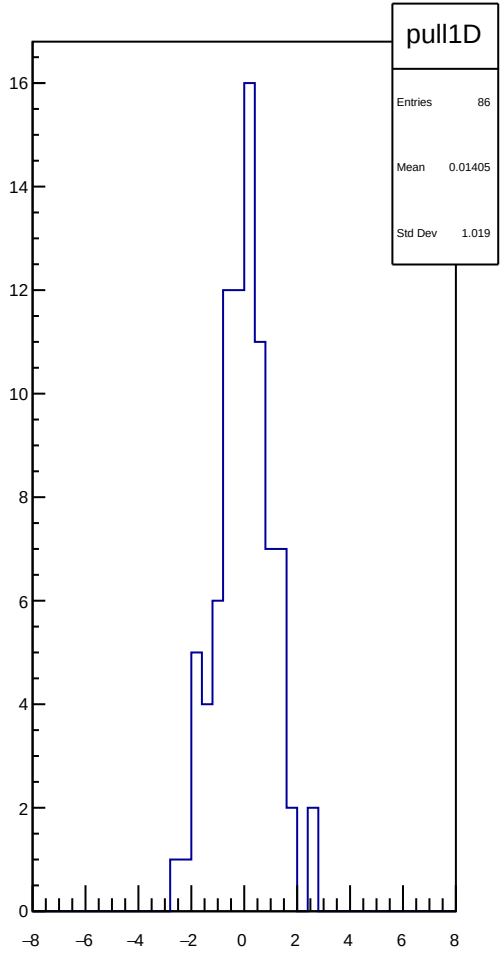

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 1.306e+04 / 85
p0 808.6 ± 0.6308
1000
950
900
850
800
750
700
650

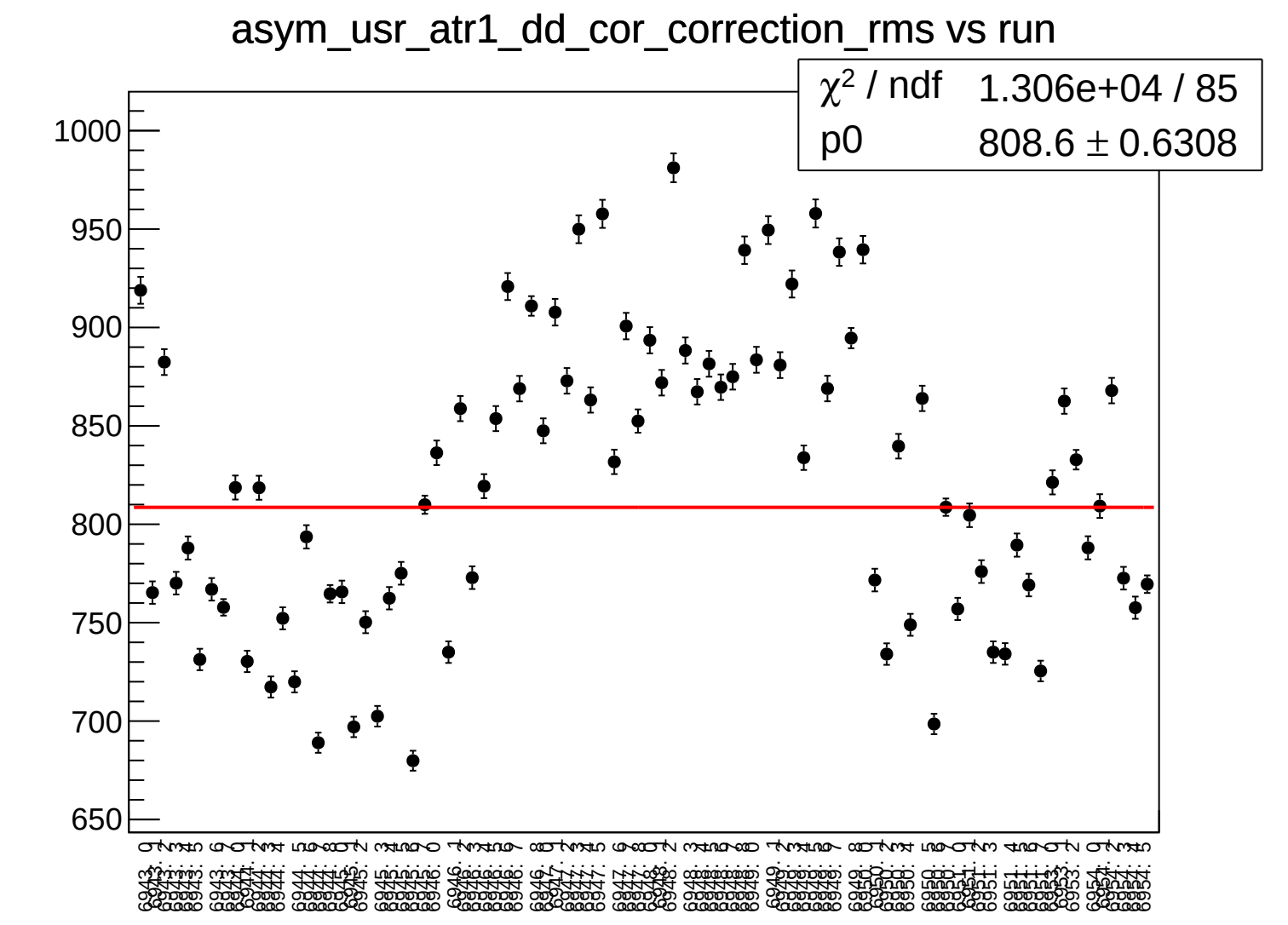

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 94 / 85
p0 −1092 ± 1438
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 434.3
Std Dev 0
2
1
0
−1
−2

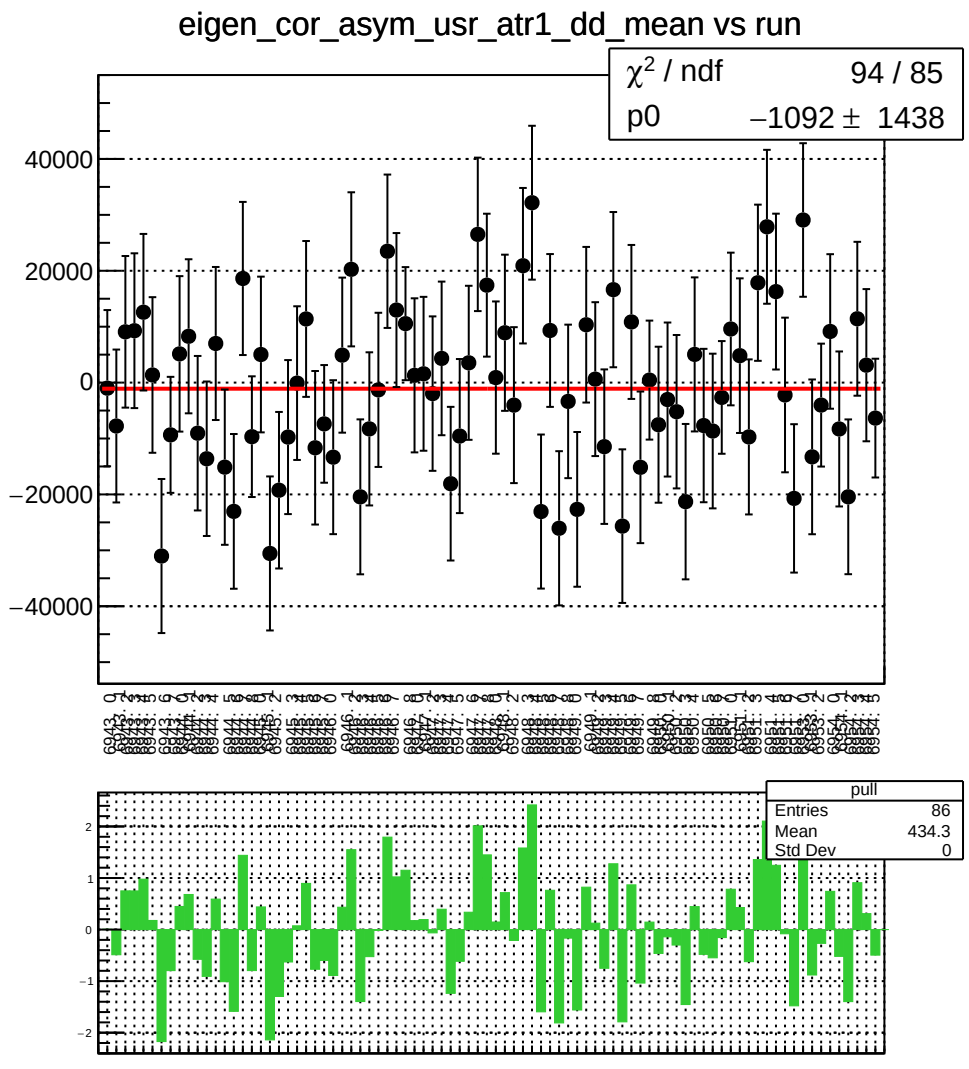

pull1D
Entries 86
Mean 0.004748
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

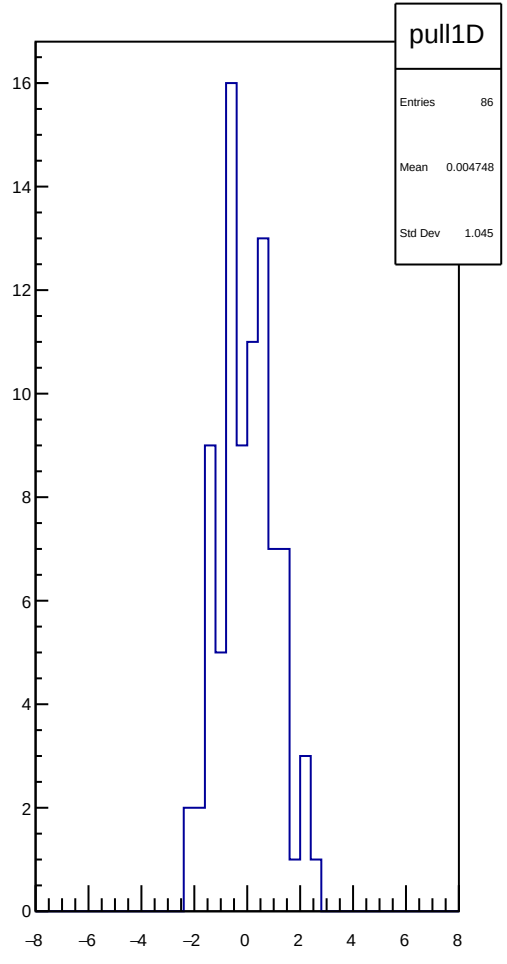

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 78.91 / 85
p0 1309 ± 1.017
1340
1330
1320
1310
1300
1290
1280

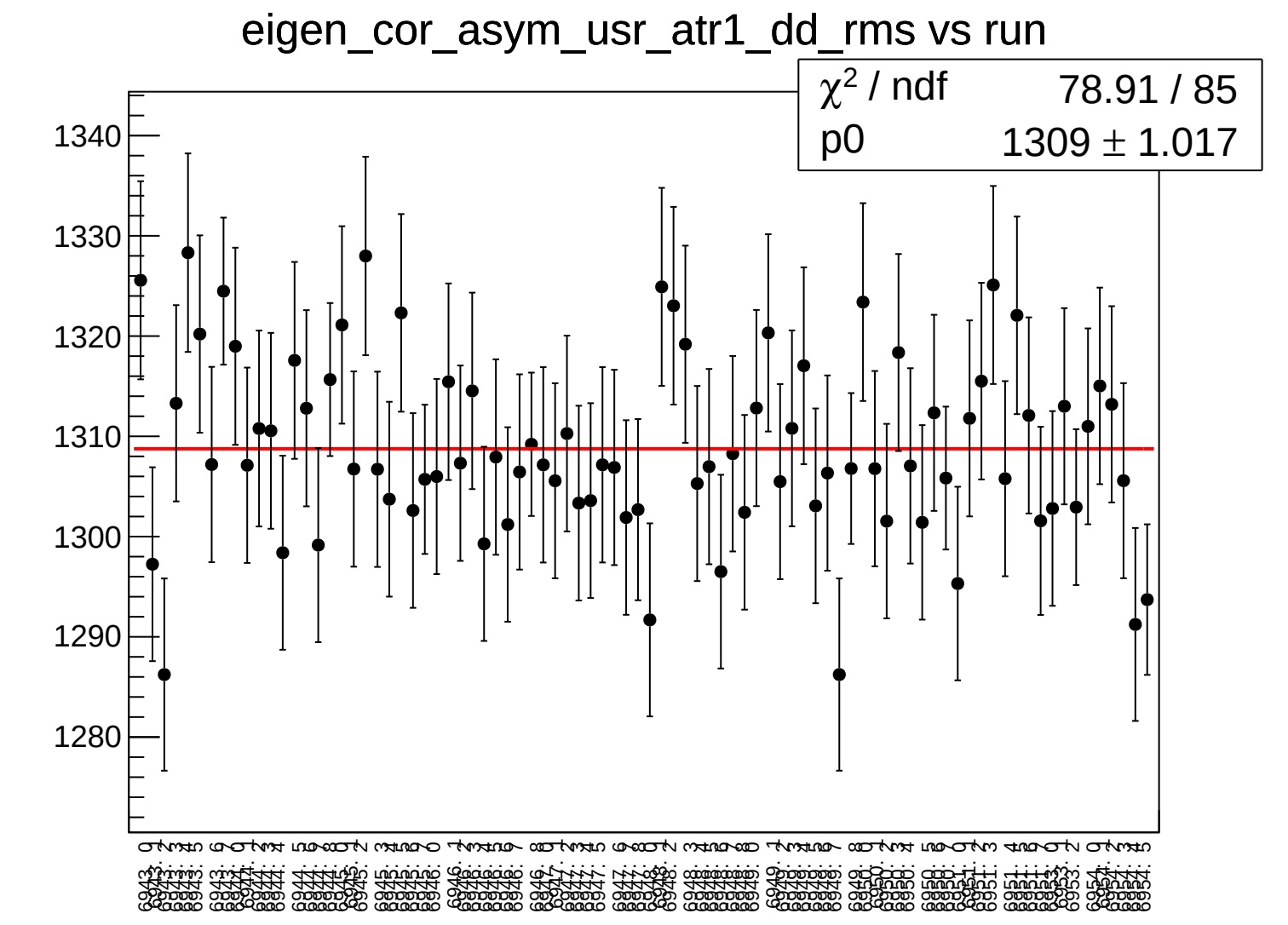

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 89.31 / 85
p0 2750 ± 892.1
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 91.91
Std Dev 0
2
1
0
−1
−2

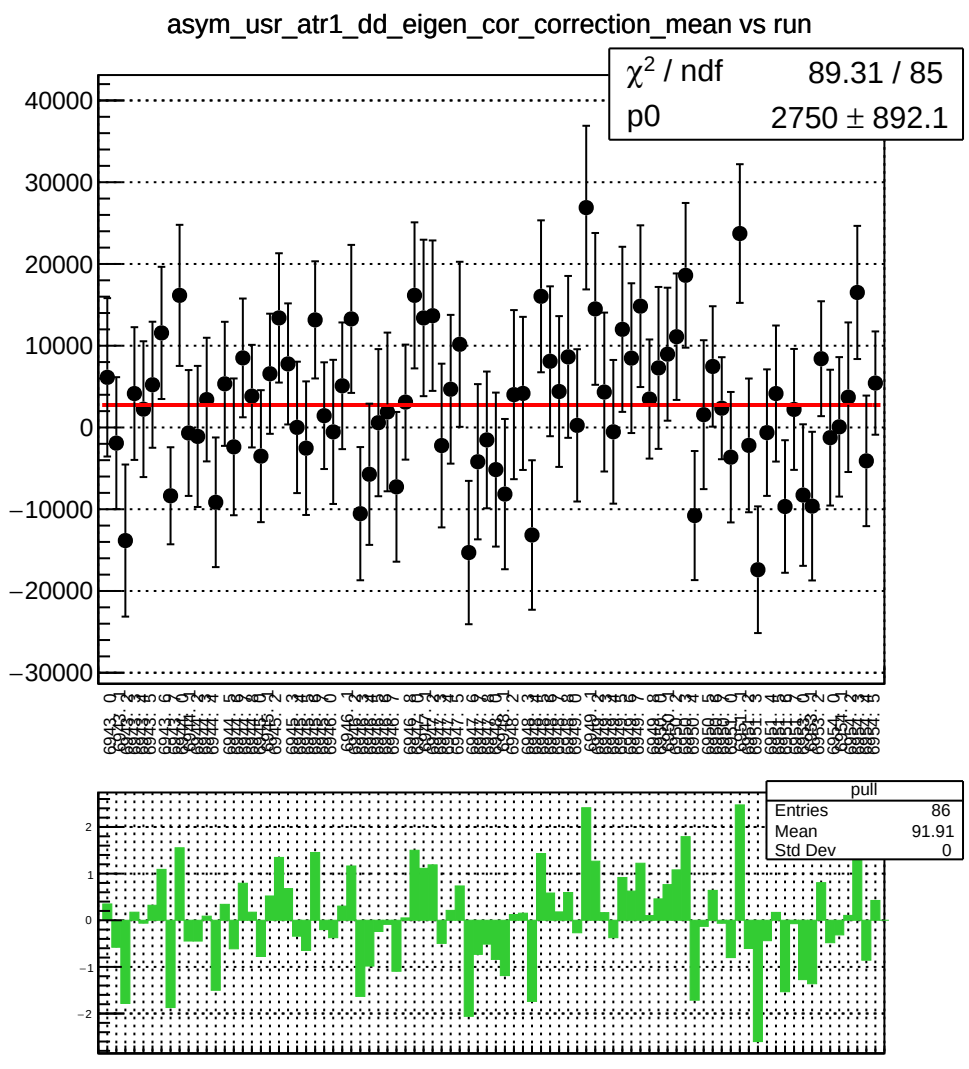

pull1D
Entries 86
Mean 0.01405
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

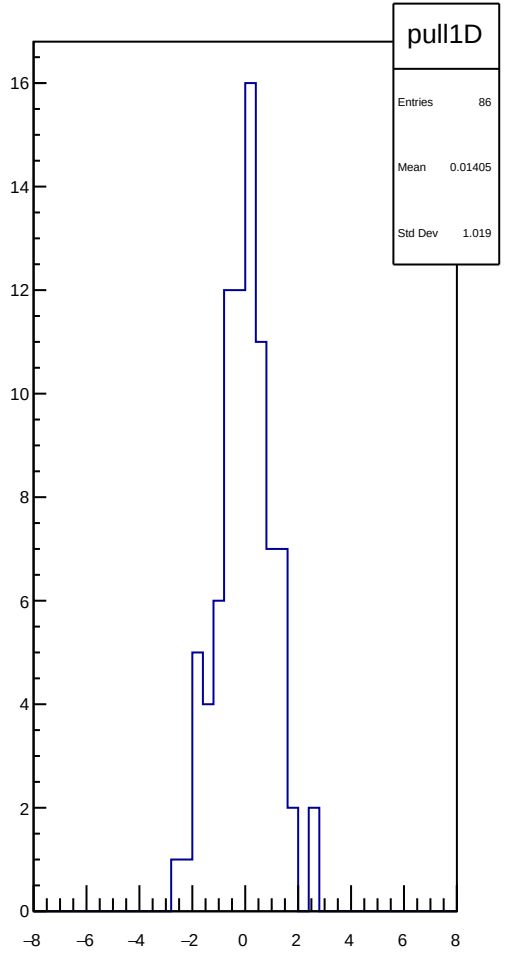

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 1.306e+04 / 85
p0 808.6 ± 0.6308
1000
950
900
850
800
750
700
650

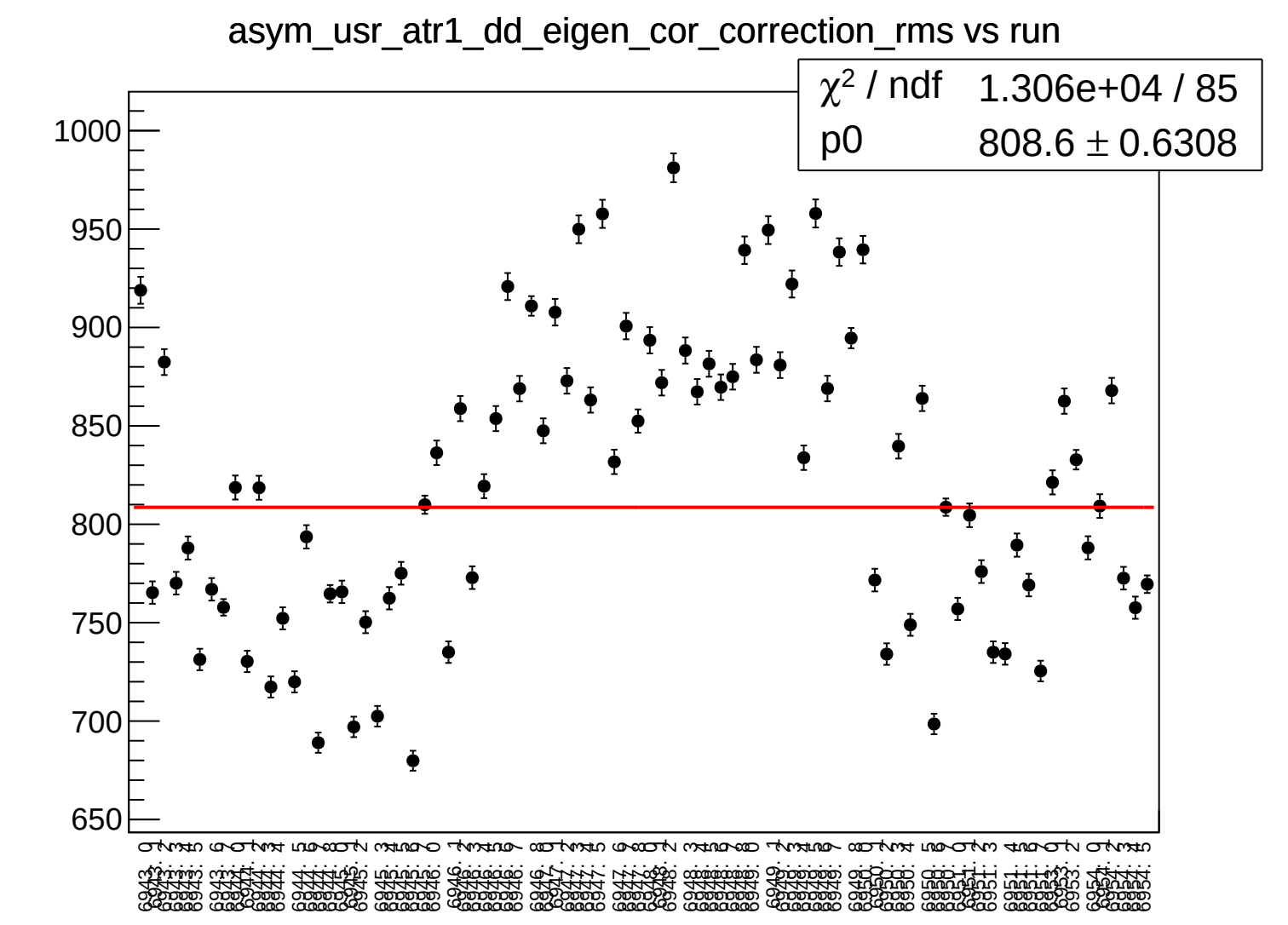

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 94 / 85
p0 −1092 ± 1438
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 434.3
Std Dev 0
2
1
0
−1
−2

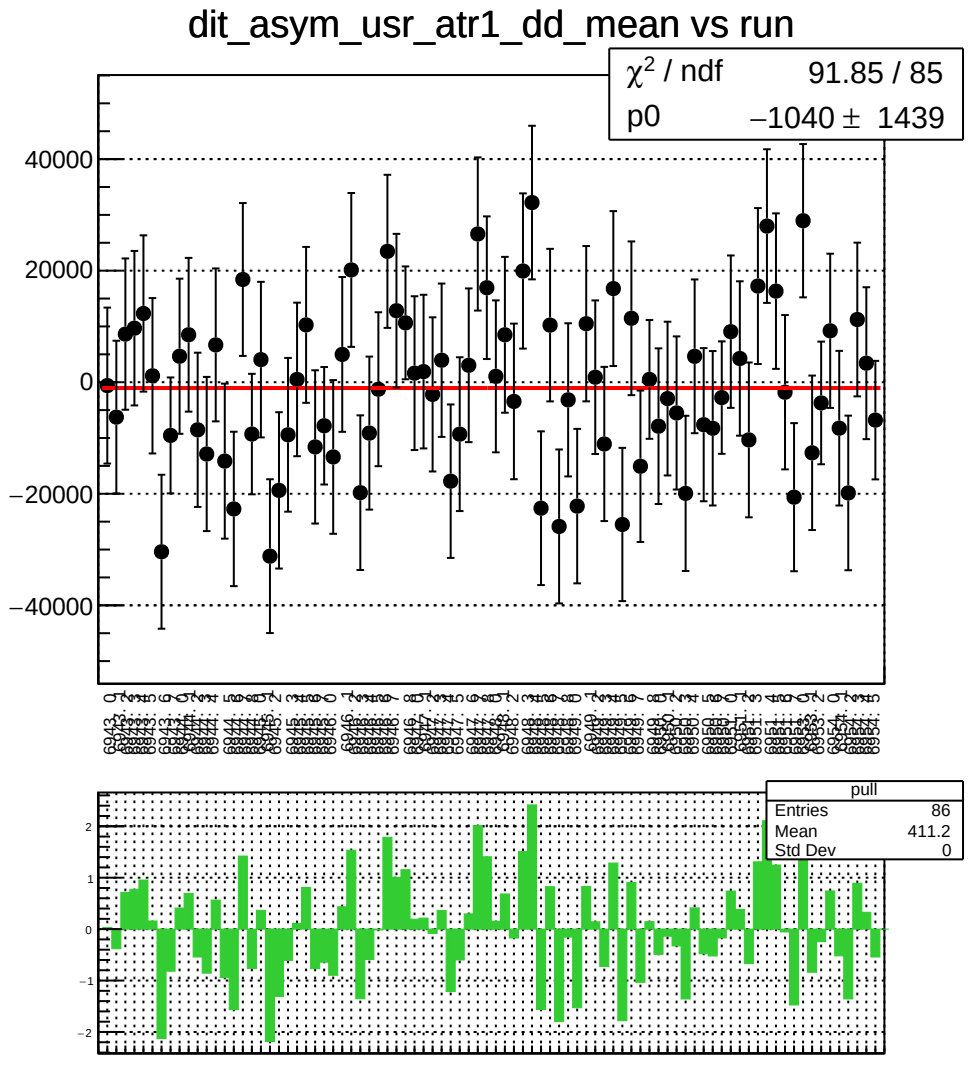

pull1D
Entries 86
Mean 0.004748
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

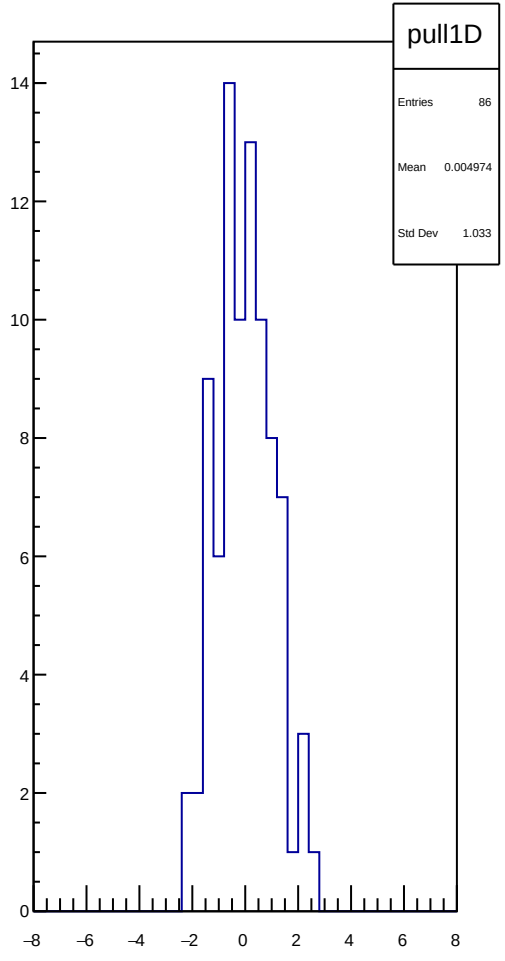

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 78.91 / 85
p0 1309 ± 1.017
1340
1330
1320
1310
1300
1290
1280

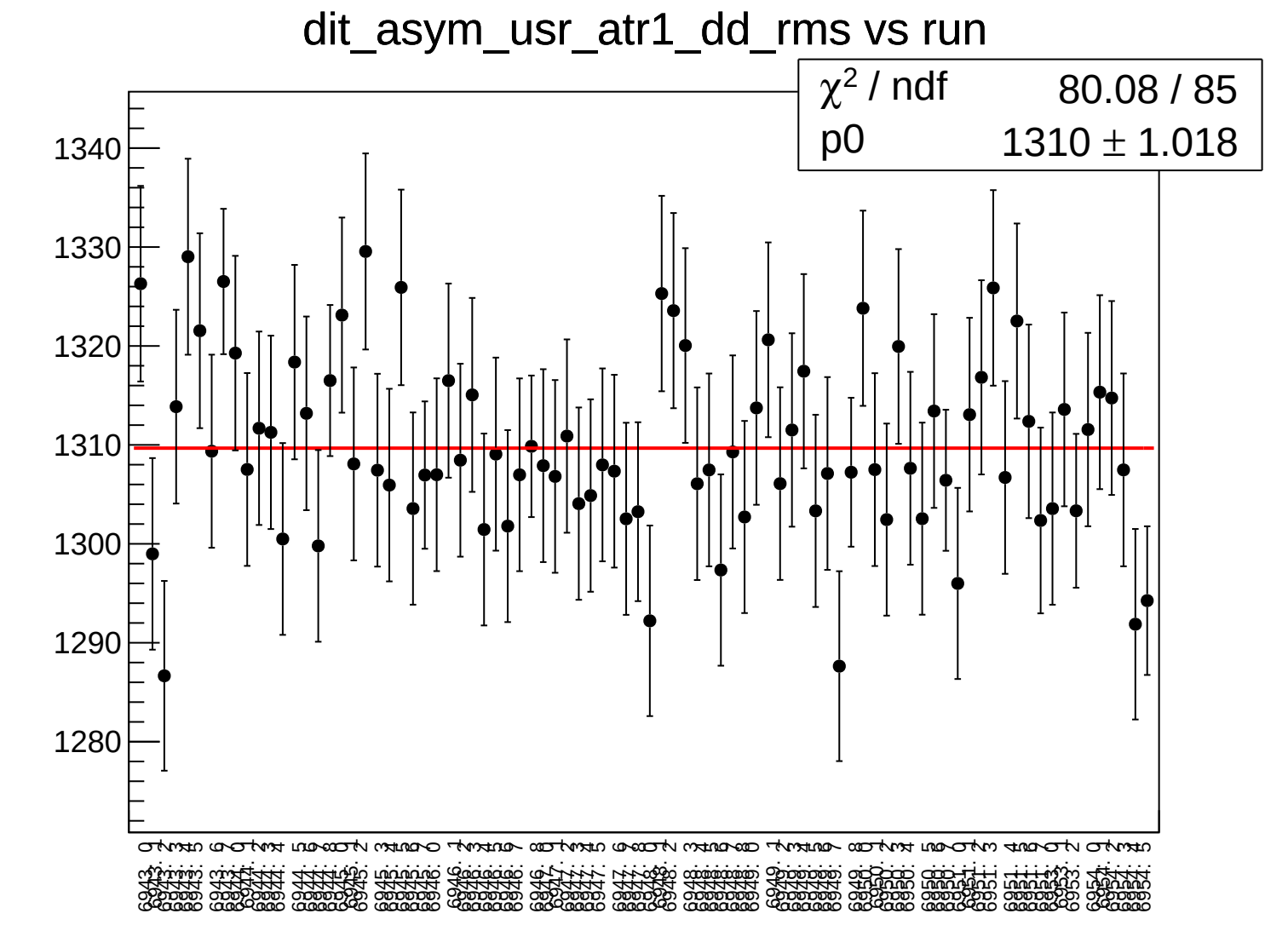

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 89.31 / 85
p0 2750 ± 892.1
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 91.91
Std Dev 0
2
1
0
−1
−2

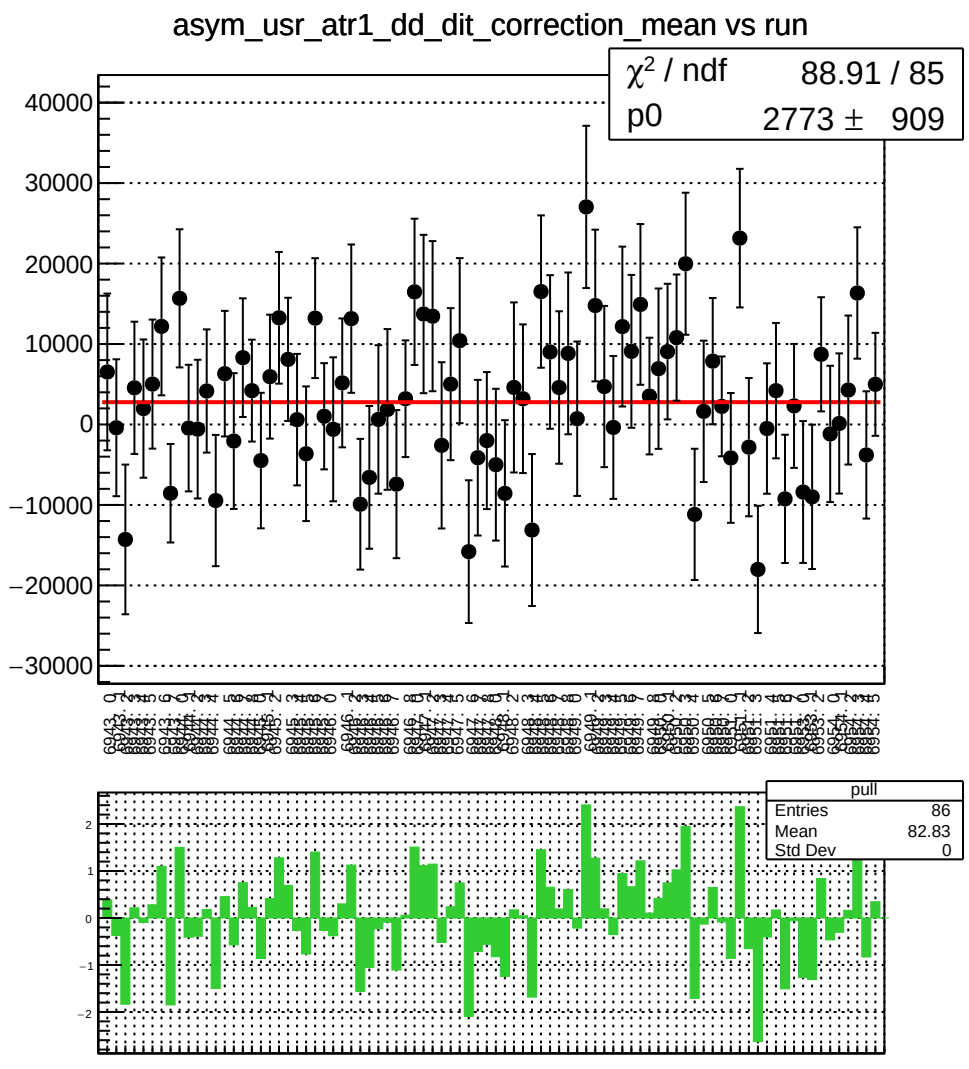

pull1D
Entries 86
Mean 0.01405
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

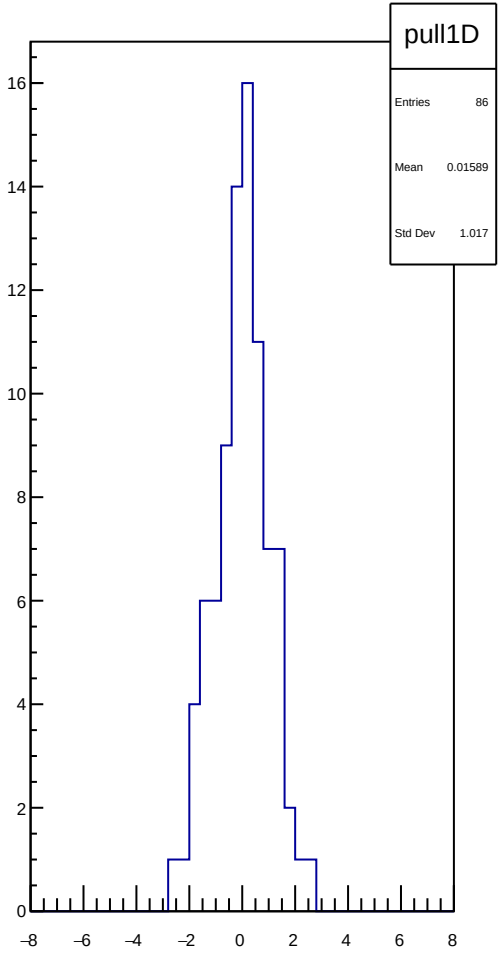

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.306e+04 / 85
p0 808.6 ± 0.6308
1000
950
900
850
800
750
700
650

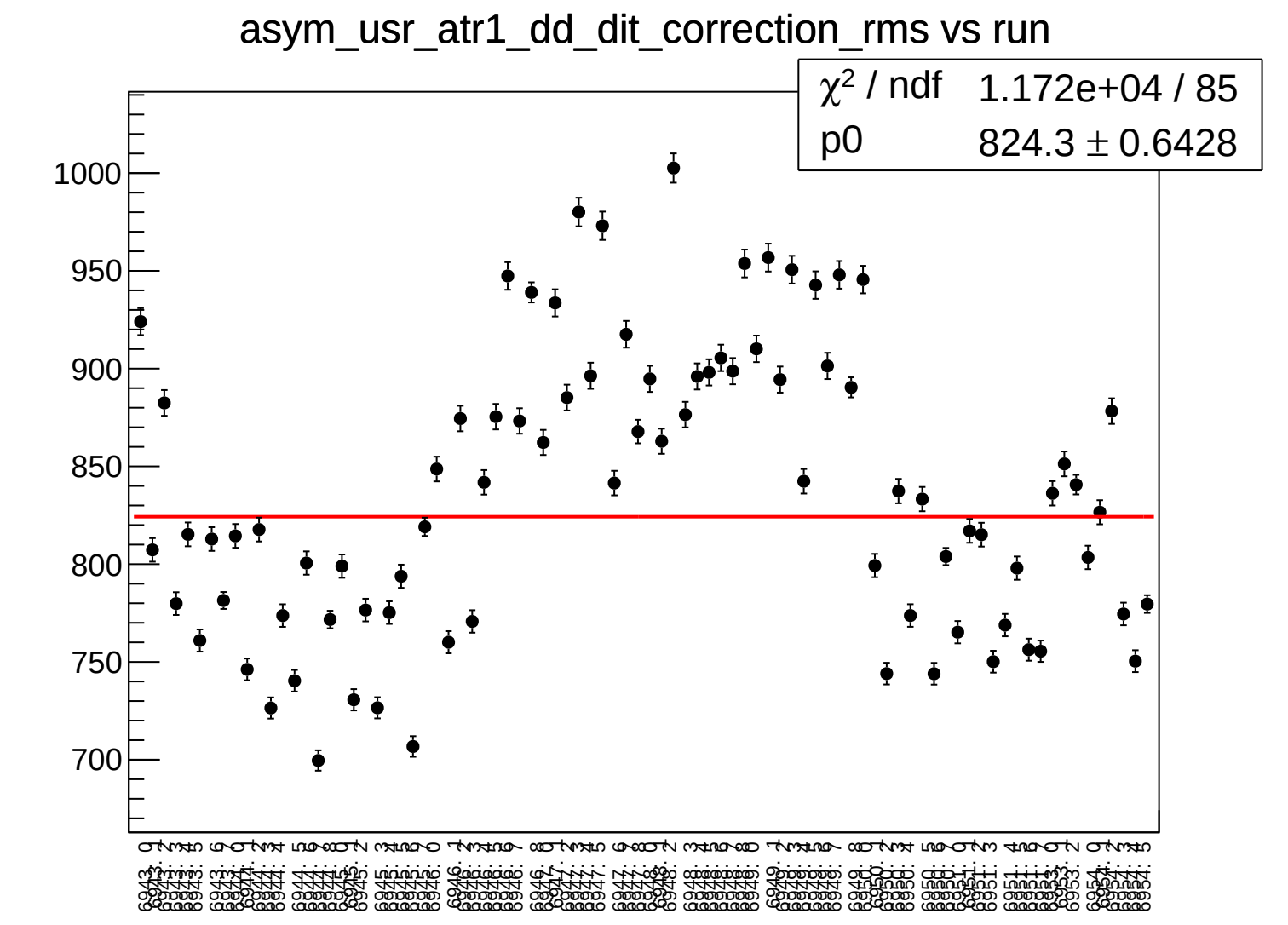

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 91.85 / 85
p0 −1040 ± 1439
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 411.2
Std Dev 0
2
1
0
−1
−2

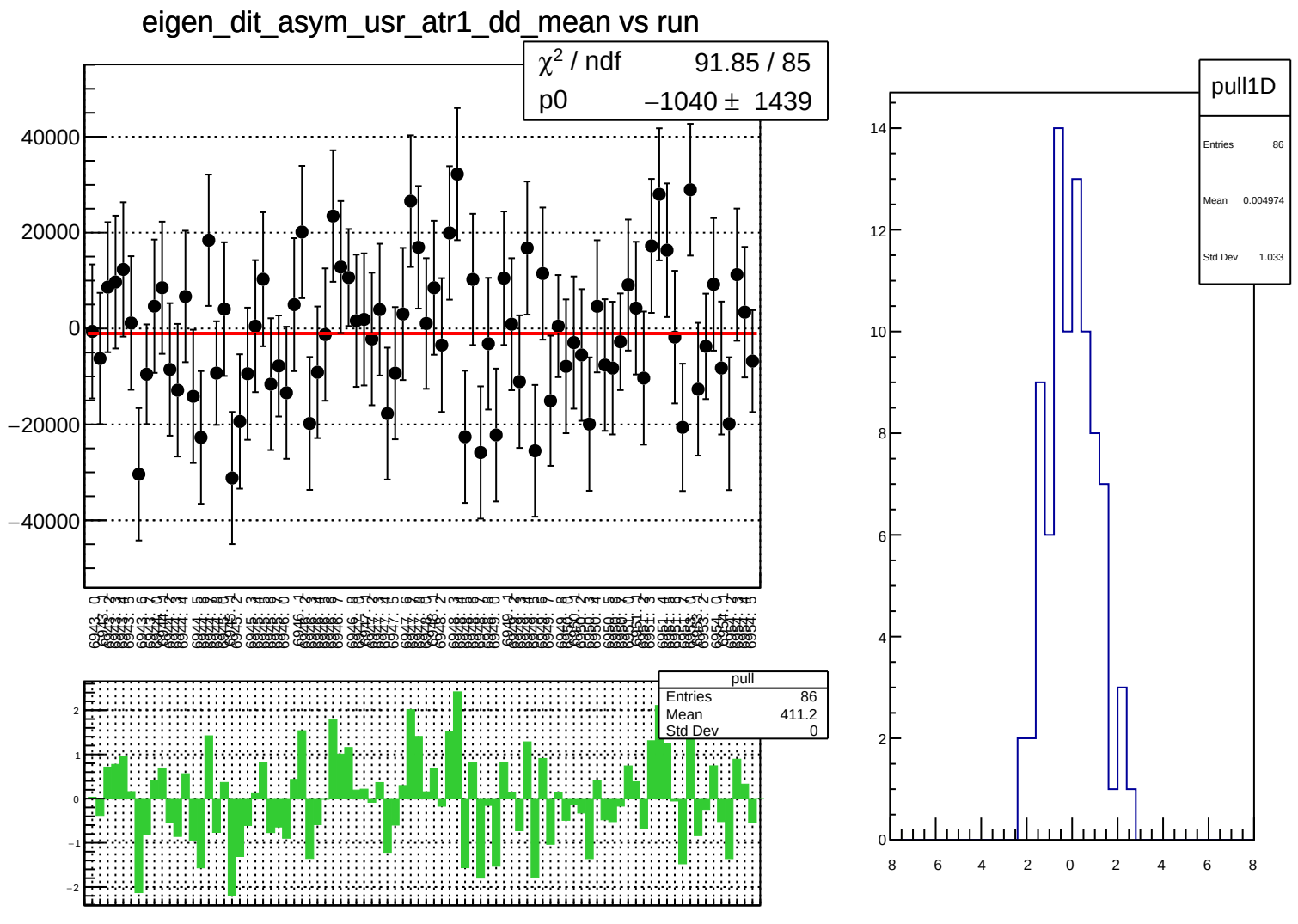

pull1D
Entries 86
Mean 0.004974
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

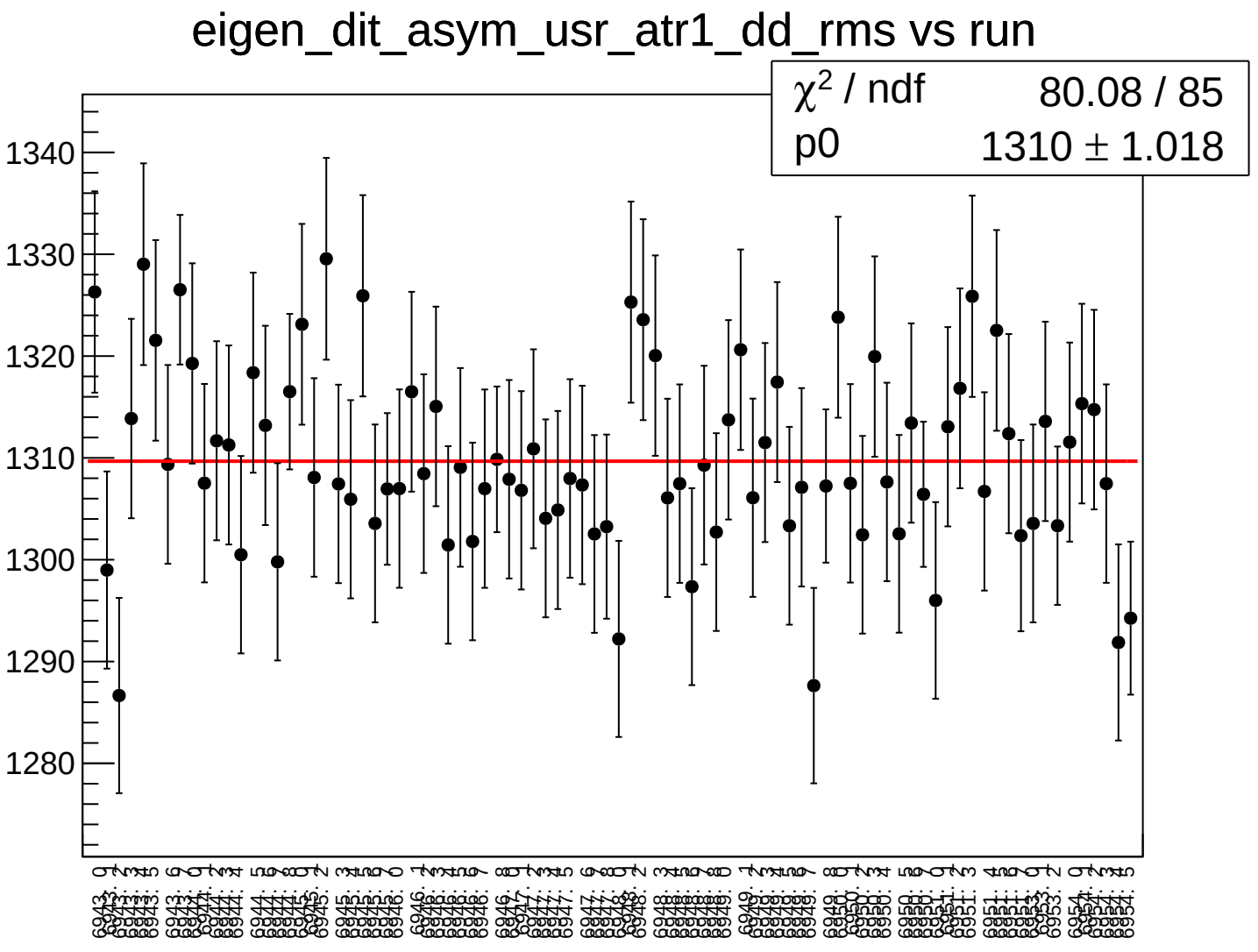

dit_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 80.08 / 85
p0 1310 ± 1.018
1340
1330
1320
1310
1300
1290
1280

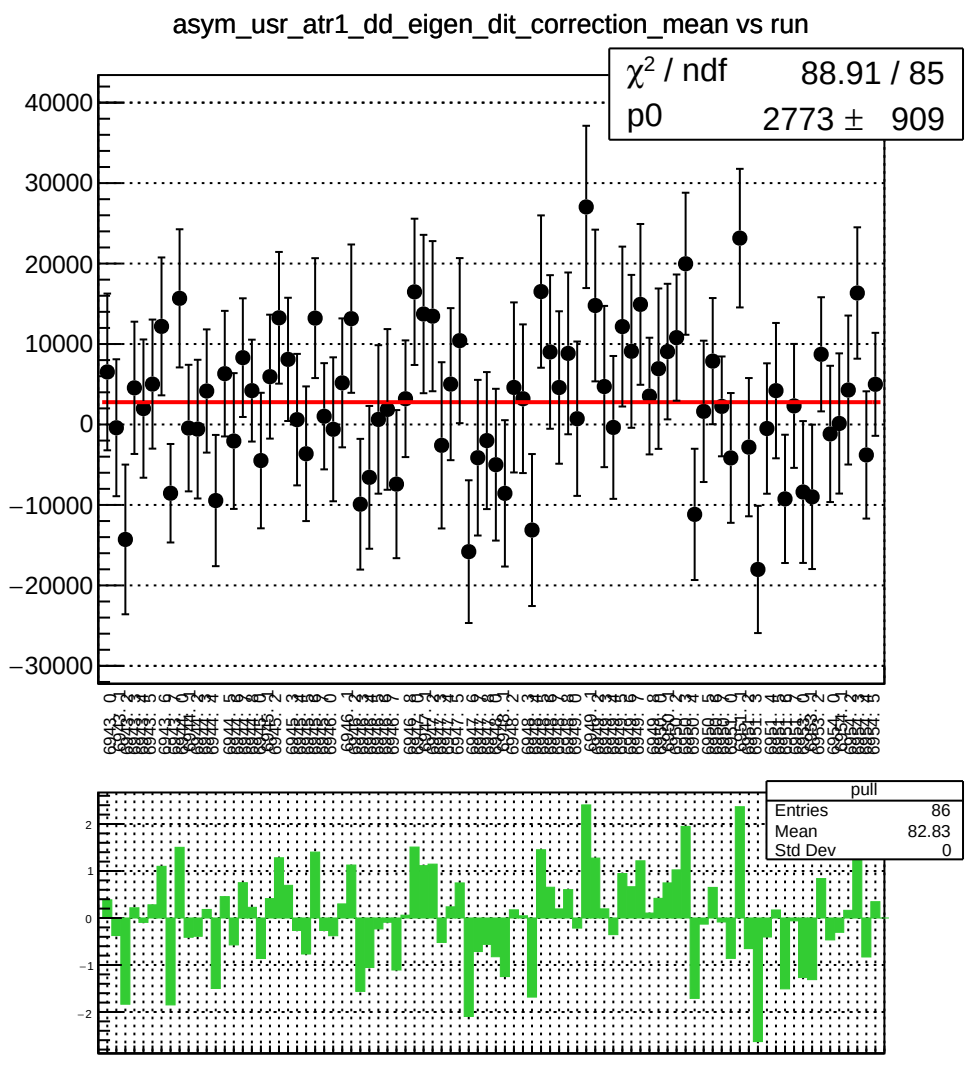

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 88.91 / 85
p0 2773 ± 909
pull
Entries 86
Mean 82.83
Std Dev 0

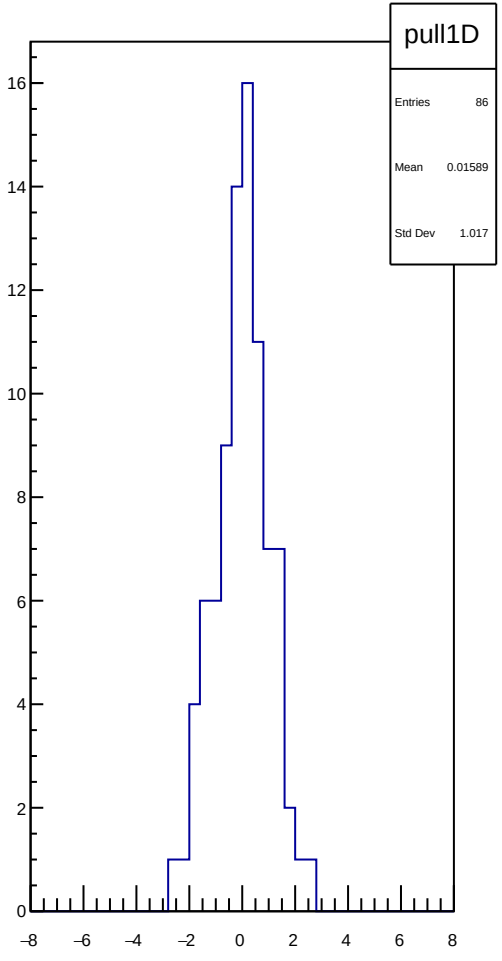

pull1D
Entries 86
Mean 0.01589
Std Dev 1.017

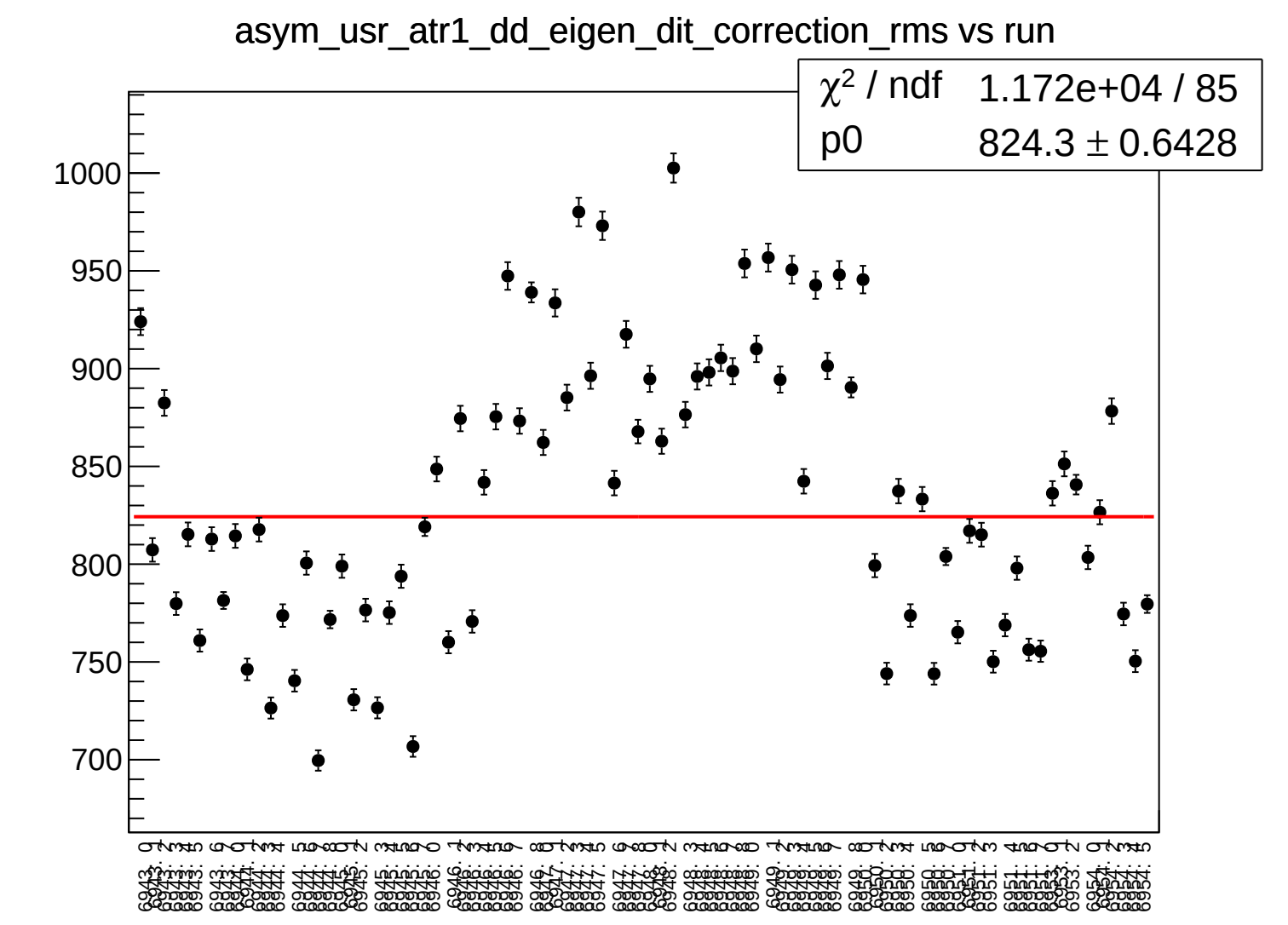

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 1.172e+04 / 85
p0 824.3 ± 0.6428
1000
950
900
850
800
750
700

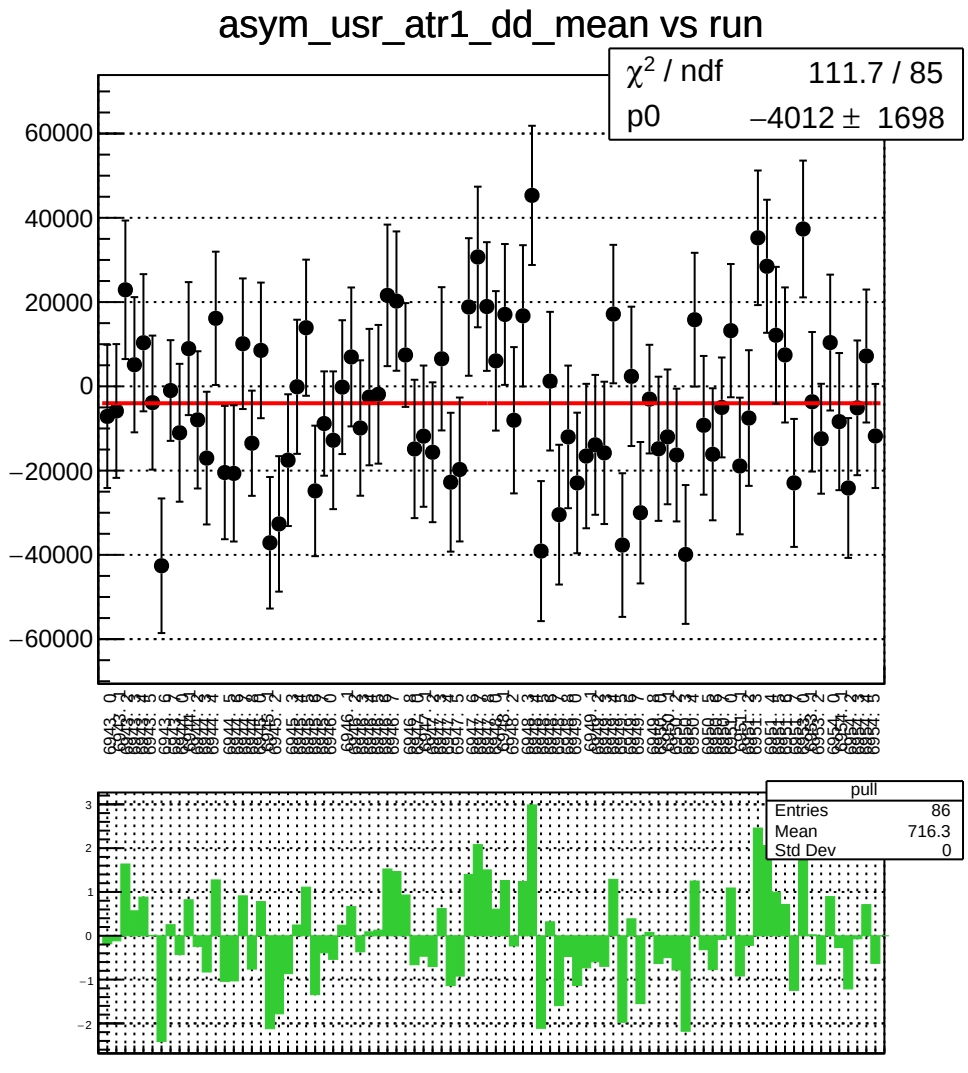

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 91.85 / 85
p0 −1040 ± 1439
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 411.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.004974
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

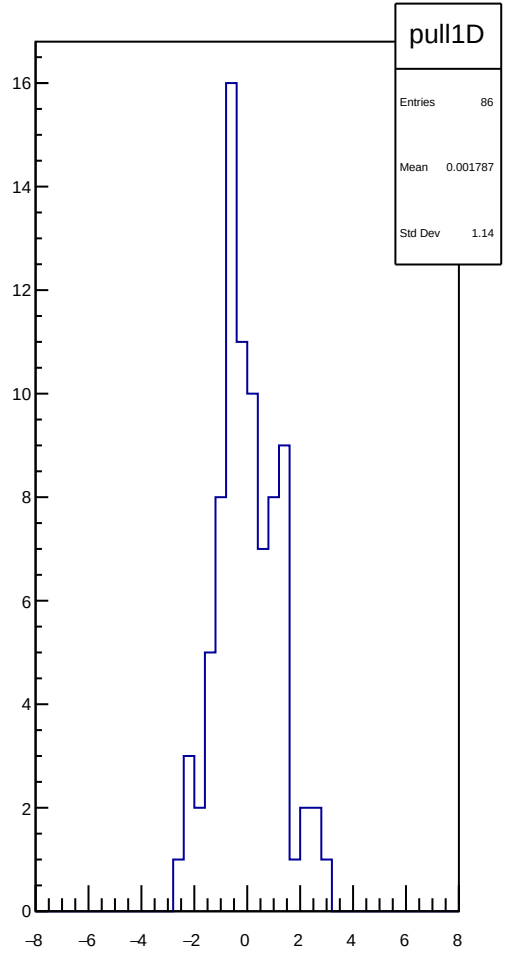

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 80.08 / 85
p0 1310 ± 1.018
1340
1330
1320
1310
1300
1290
1280

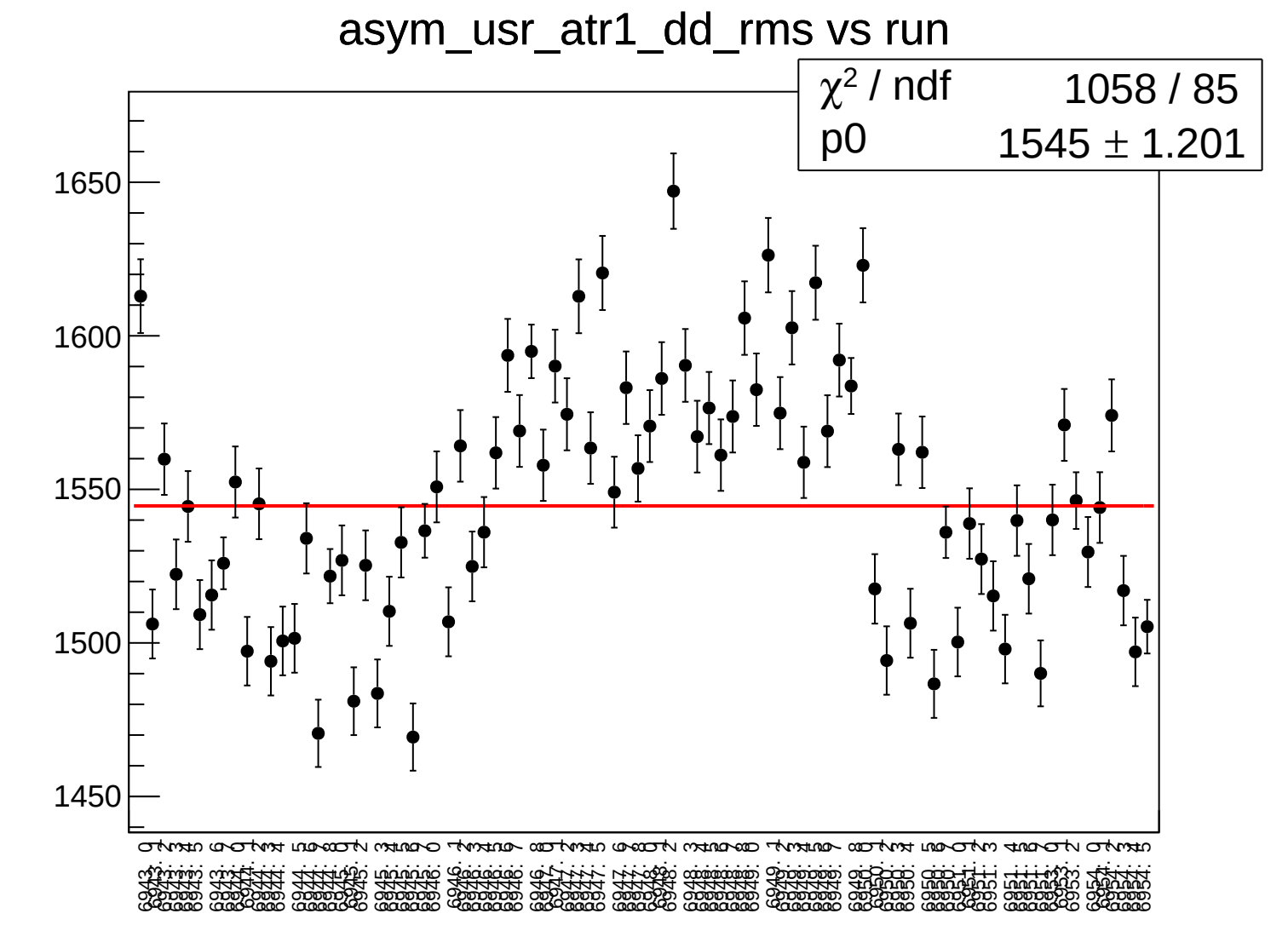

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 88.91 / 85
p0 2773 ± 909
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 82.83
Std Dev 0
2
1
0
−1
−2

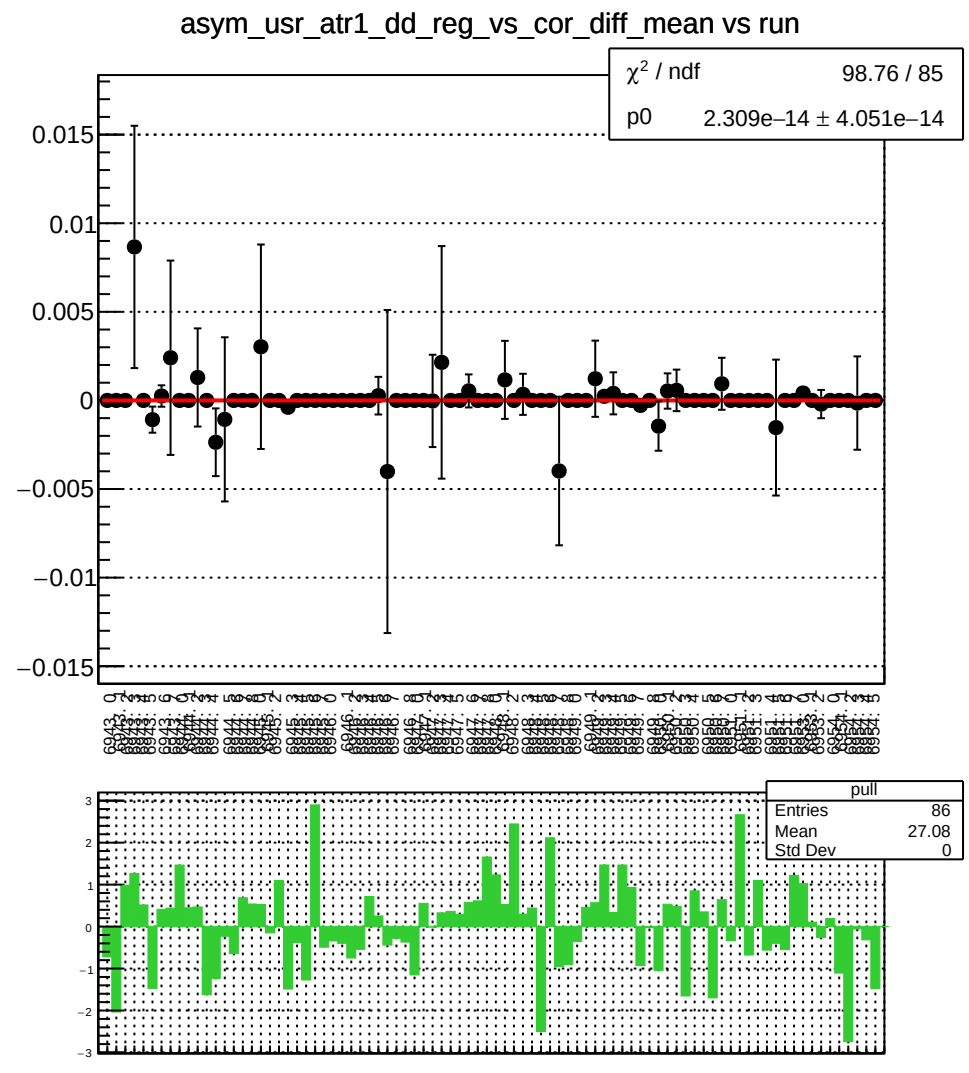

pull1D
Entries 86
Mean 0.01589
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

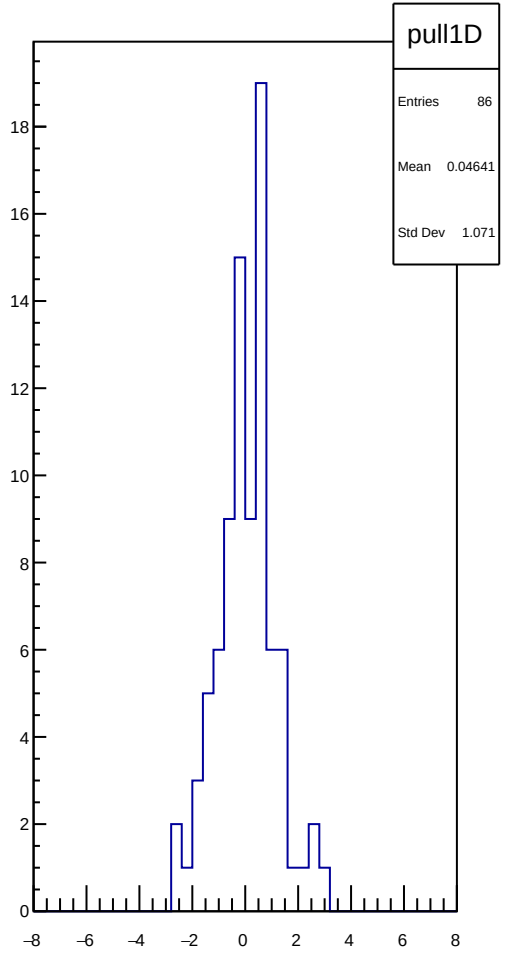

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.172e+04 / 85
p0 824.3 ± 0.6428
1000
950
900
850
800
750
700

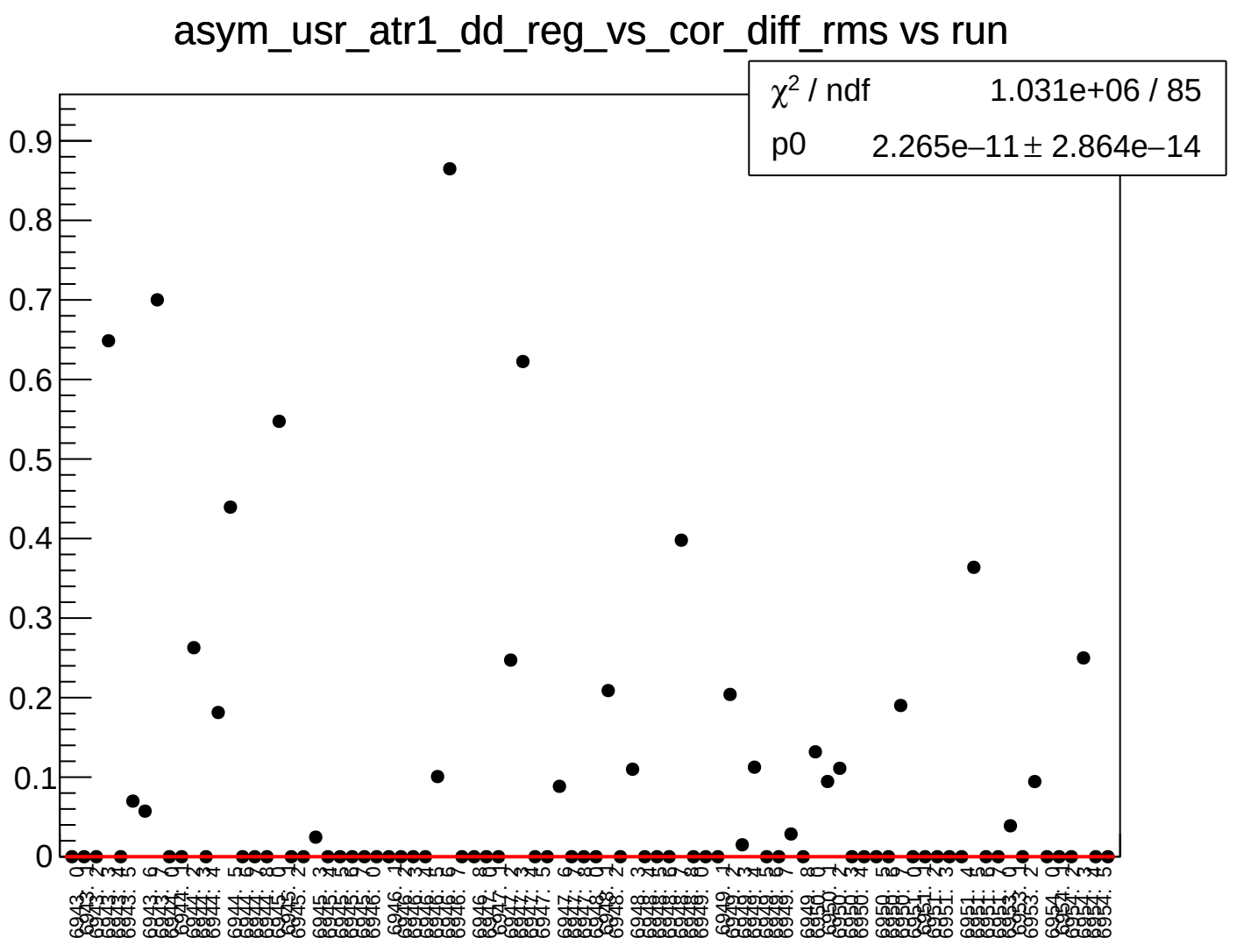

asym_usr_atr1_dd_mean vs run
χ² / ndf 111.7 / 85
p0 −4012 ± 1698
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 716.3
Std Dev 0
3
2
1
0
−1
−2

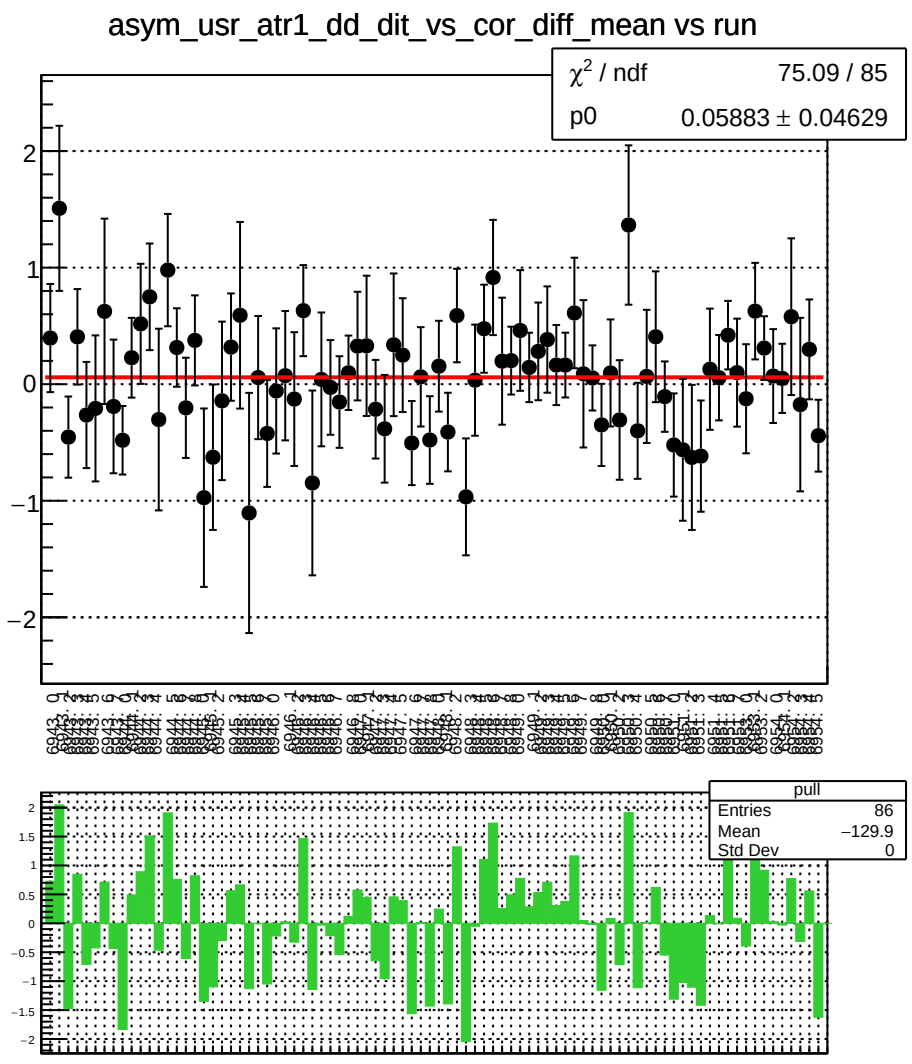

pull1D
Entries 86
Mean 0.001787
Std Dev 1.14
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

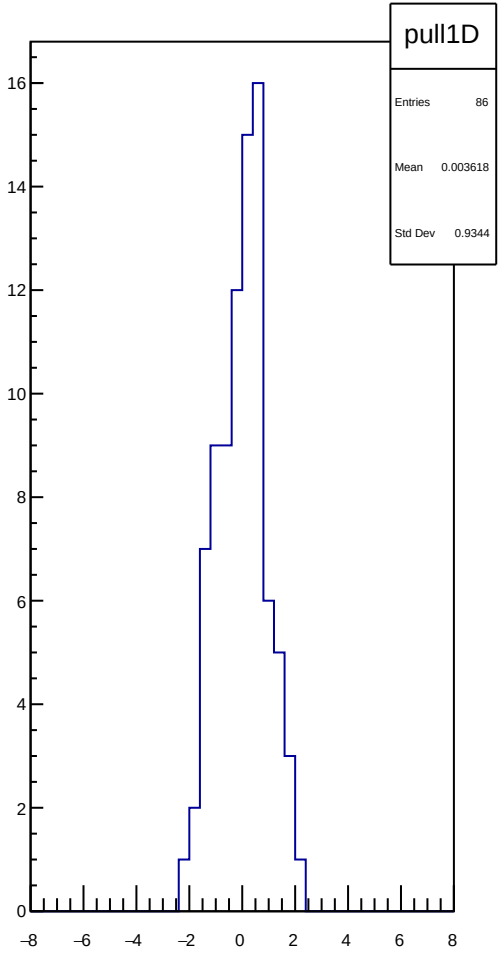

asym_usr_atr1_dd_rms vs run
χ² / ndf 1058 / 85
p0 1545 ± 1.201
1650
1600
1550
1500
1450

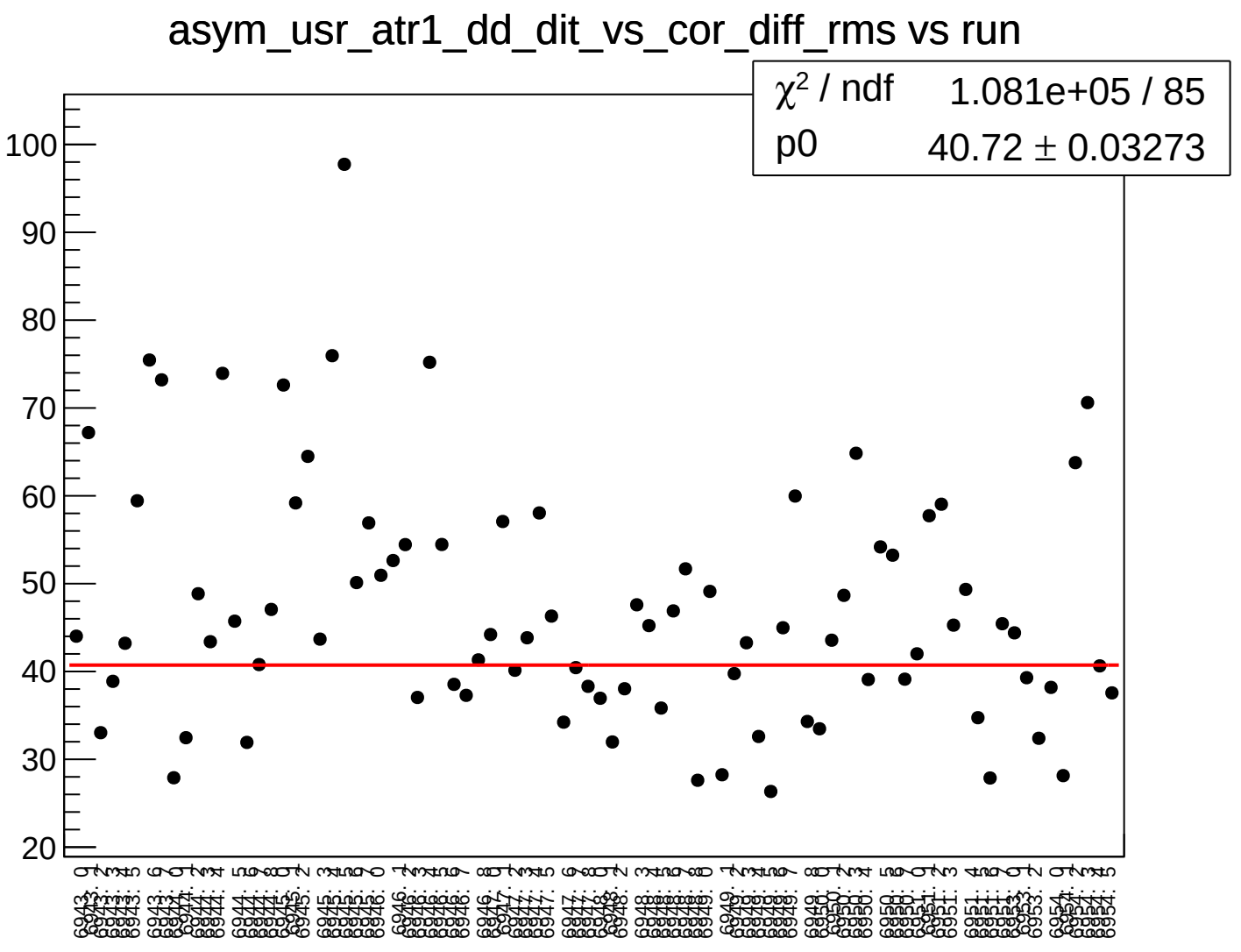

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 98.76 / 85
p0 2.309e−14 ± 4.051e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 27.08
Std Dev 0
3
2
1
0
−1
−2
−3

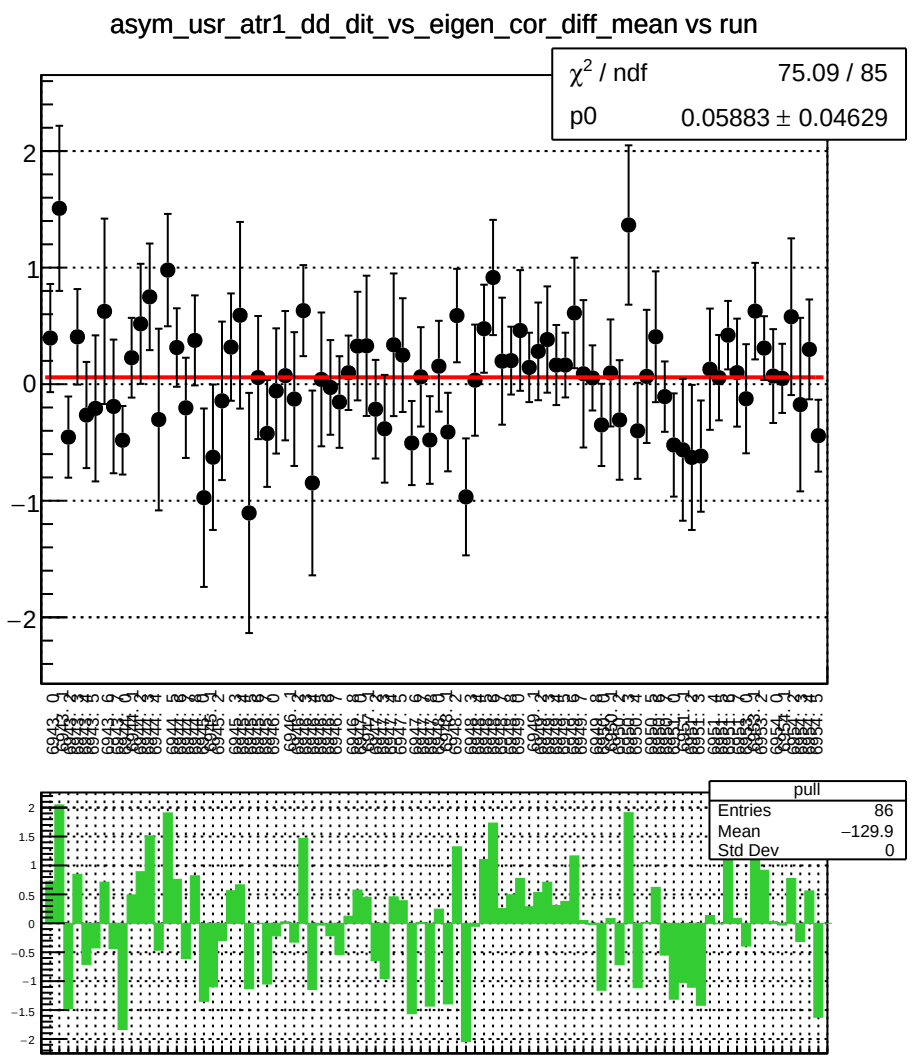

pull1D
Entries 86
Mean 0.04641
Std Dev 1.071
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

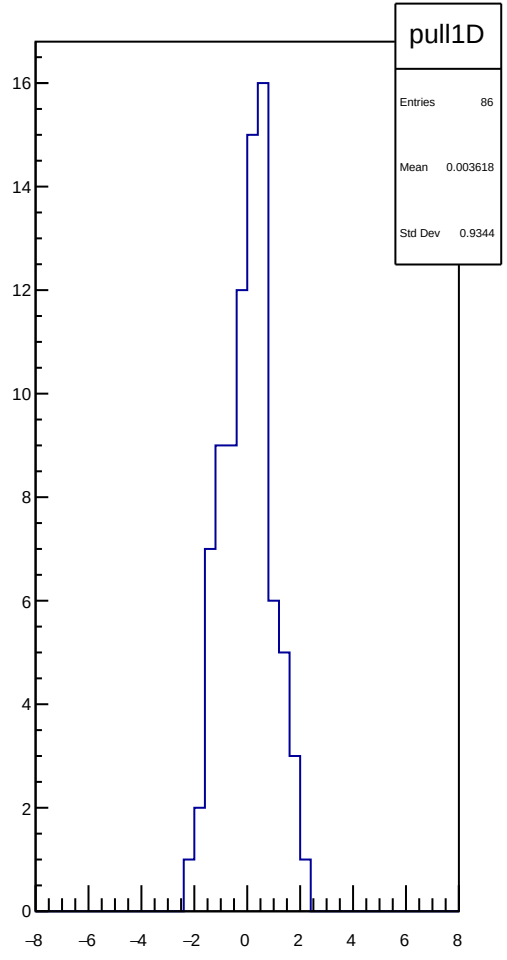

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.031e+06 / 85
p0 2.265e−11 ± 2.864e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

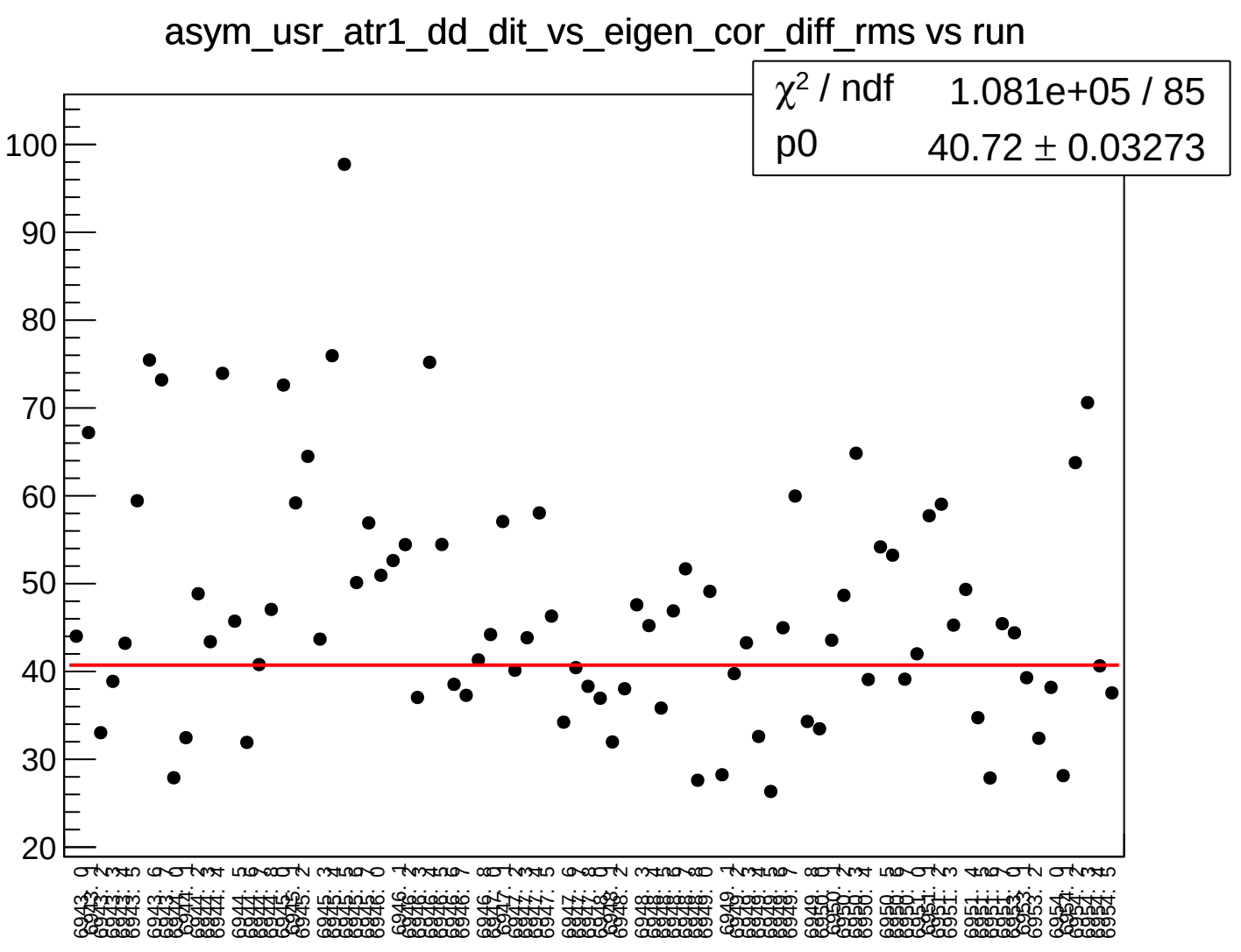

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.09 / 85
p0 0.05883 ± 0.04629
pull
Entries 86
Mean −129.9
Std Dev 0

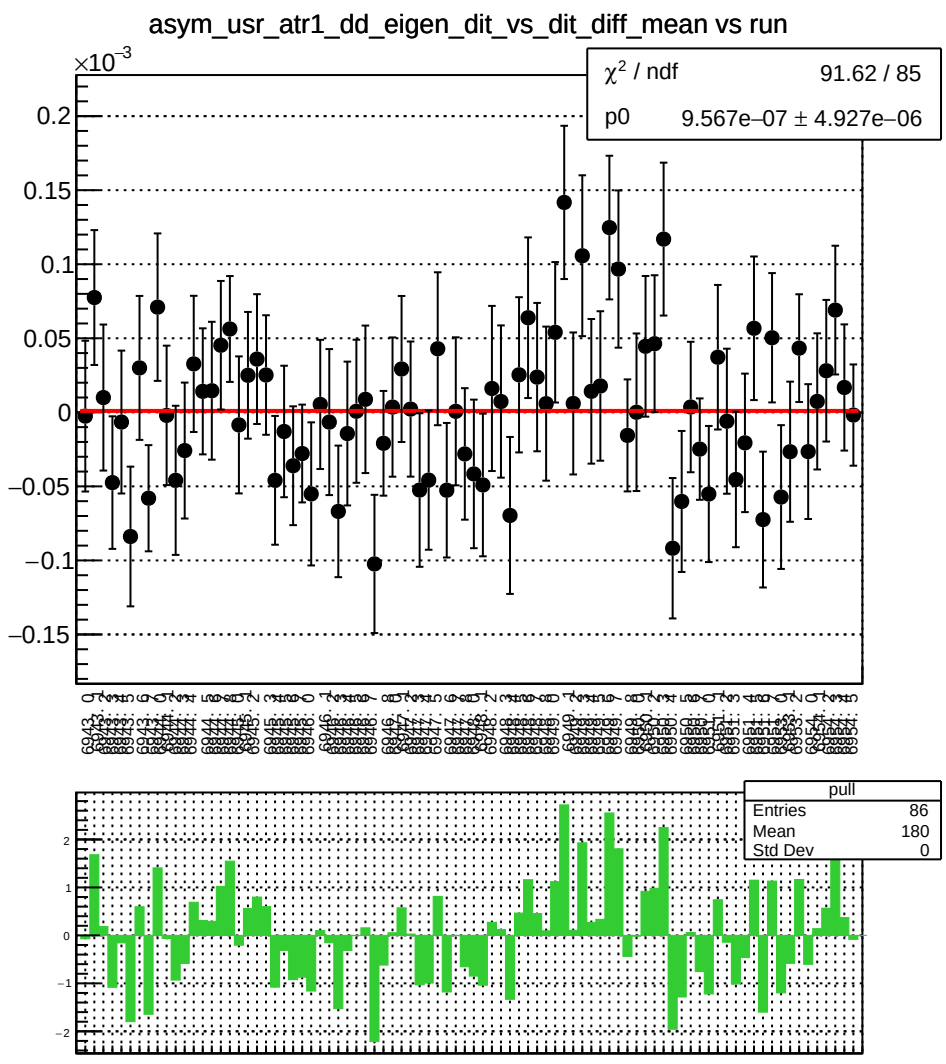

pull1D
Entries 86
Mean 0.003618
Std Dev 0.9344

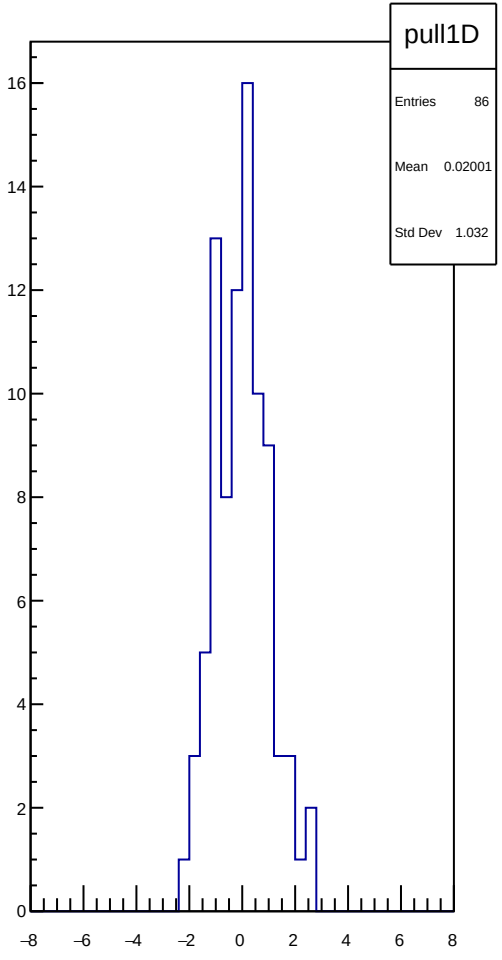

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.081e+05 / 85
p0 40.72 ± 0.03273
100
90
80
70
60
50
40
30
20

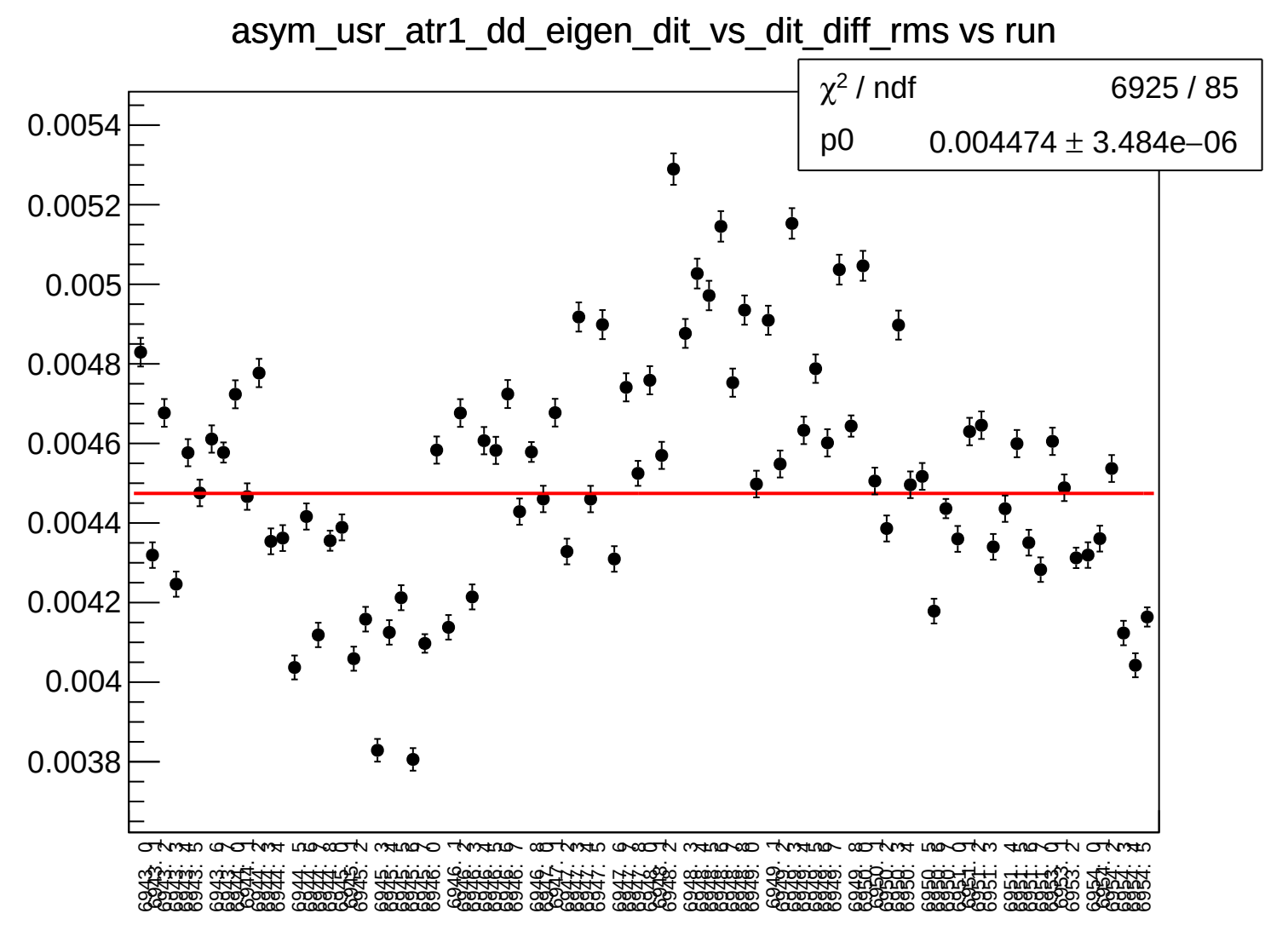

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.09 / 85
p0 0.05883 ± 0.04629
pull
Entries 86
Mean −129.9
Std Dev 0

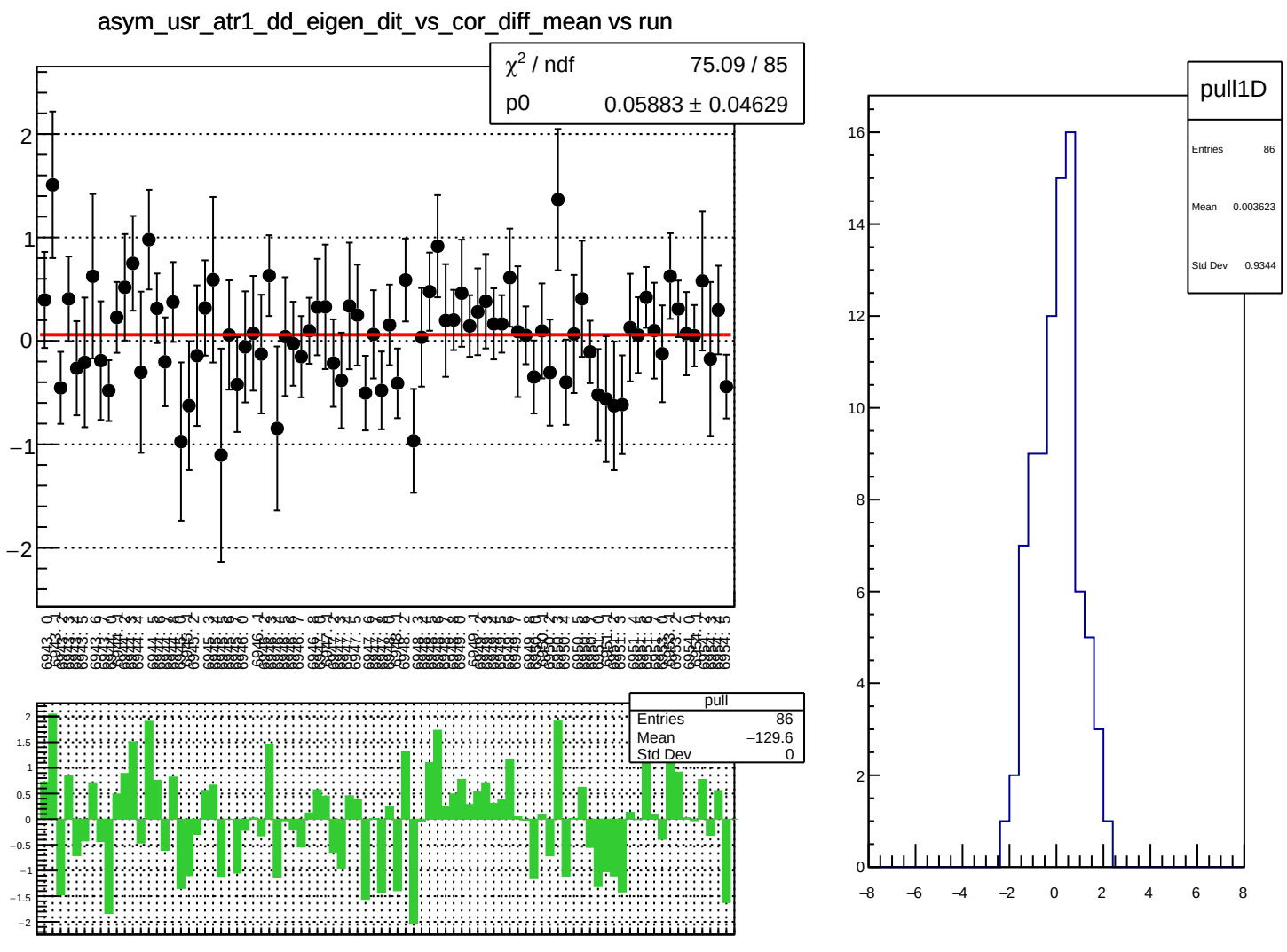

pull1D
Entries 86
Mean 0.003618
Std Dev 0.9344

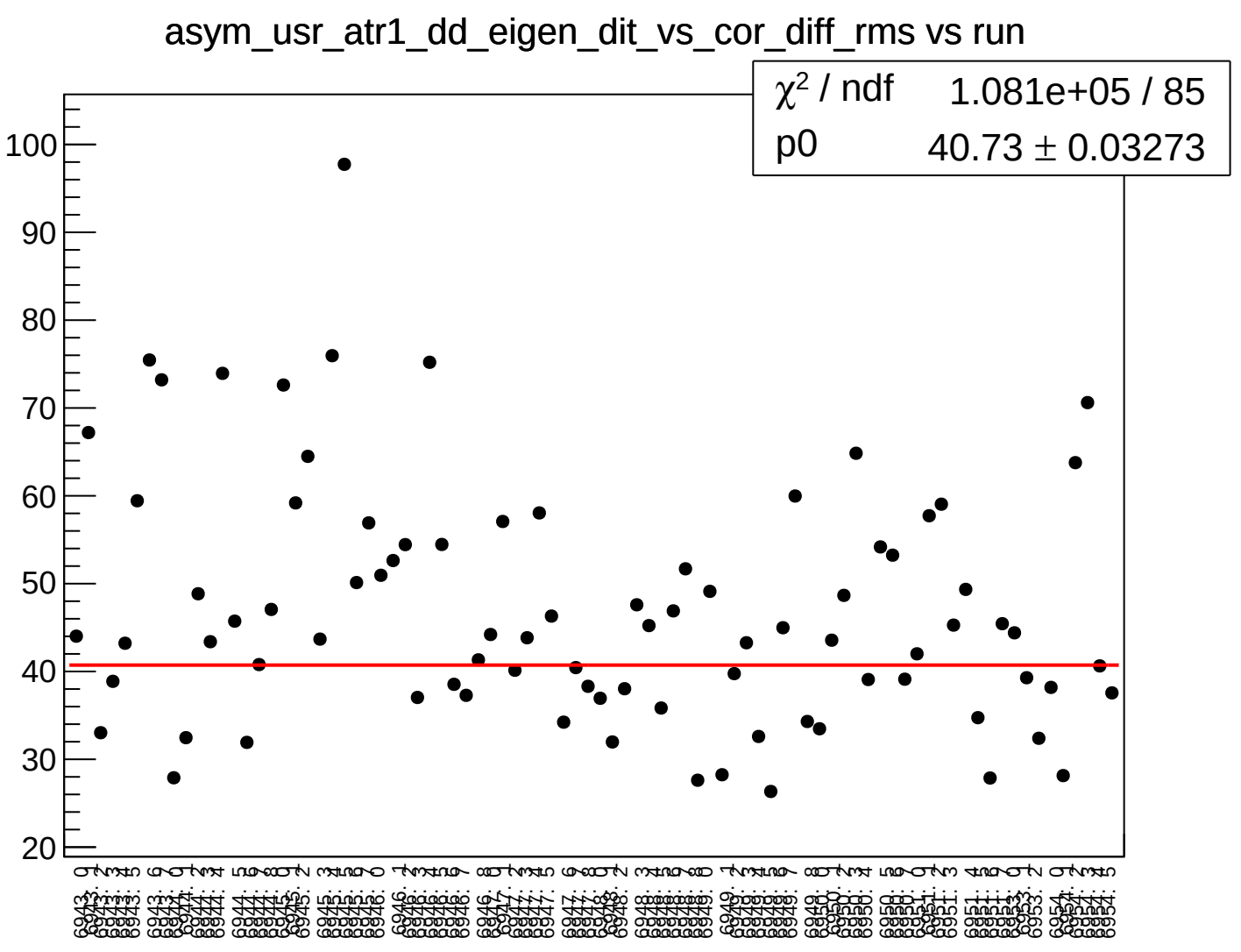

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.081e+05 / 85
p0 40.72 ± 0.03273
100
90
80
70
60
50
40
30
20

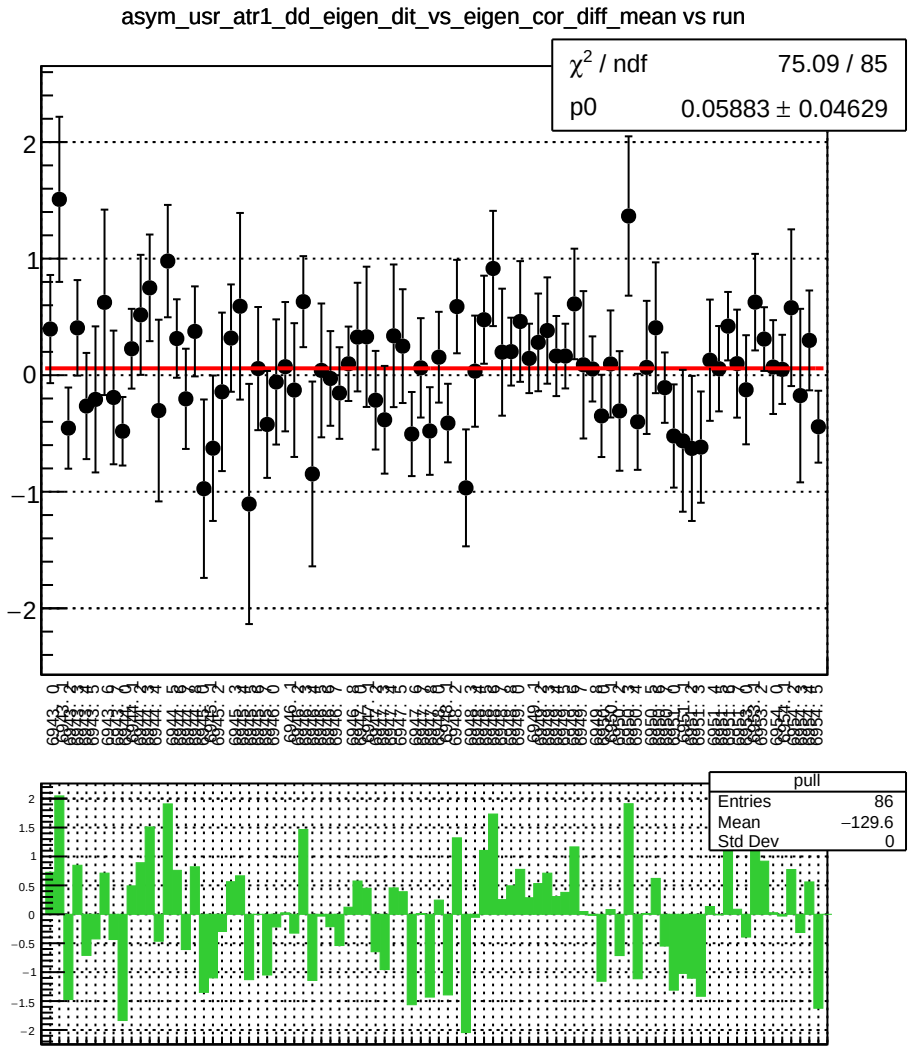

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.62 / 85
p0 9.567e−07 ± 4.927e−06
pull
Entries 86
Mean 180
Std Dev 0

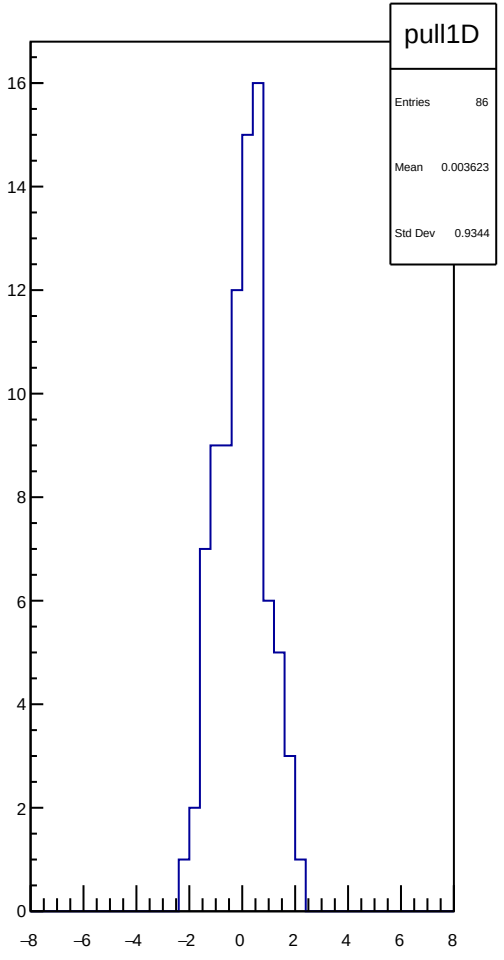

pull1D
Entries 86
Mean 0.02001
Std Dev 1.032

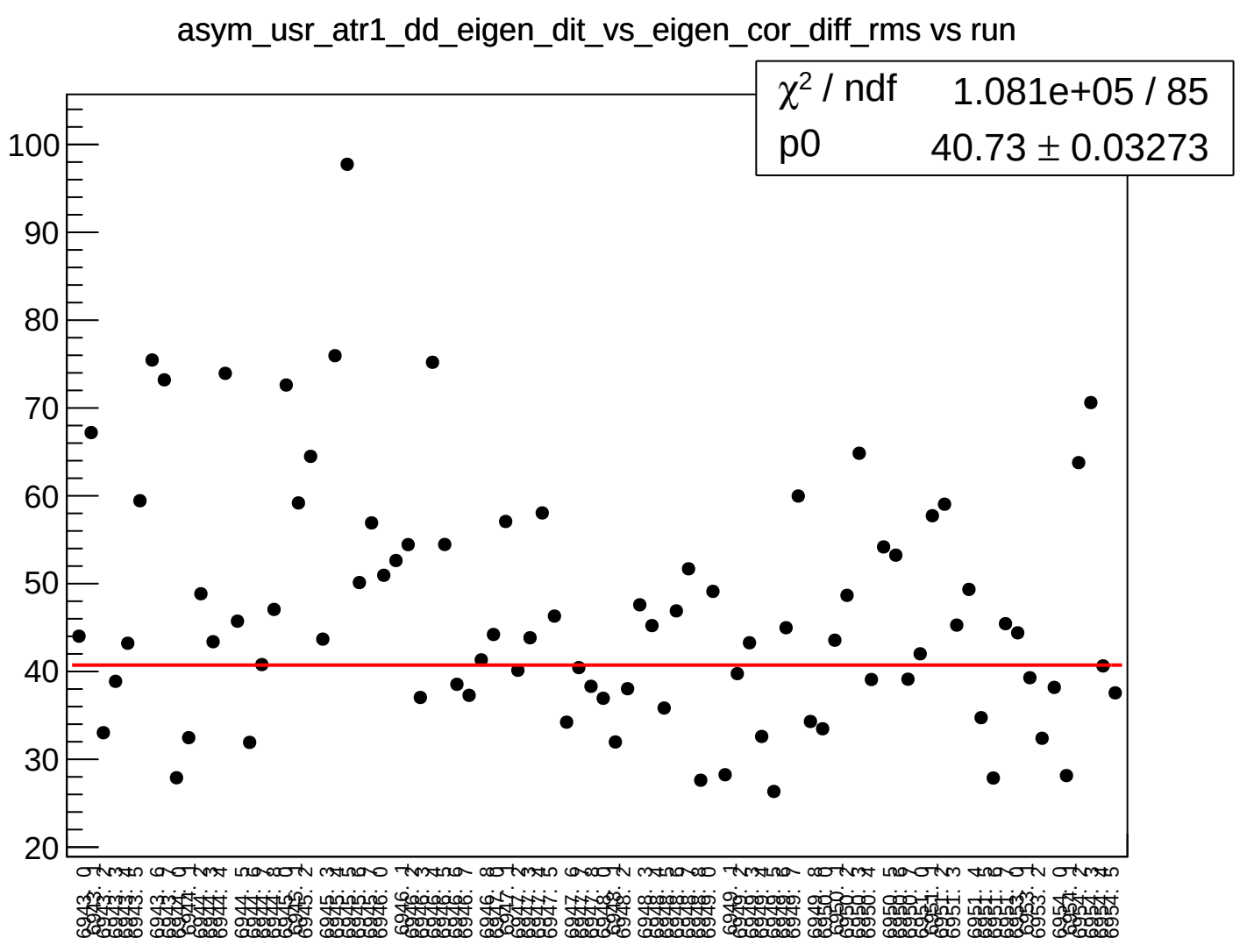

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6925 / 85
p0 0.004474 ± 3.484e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

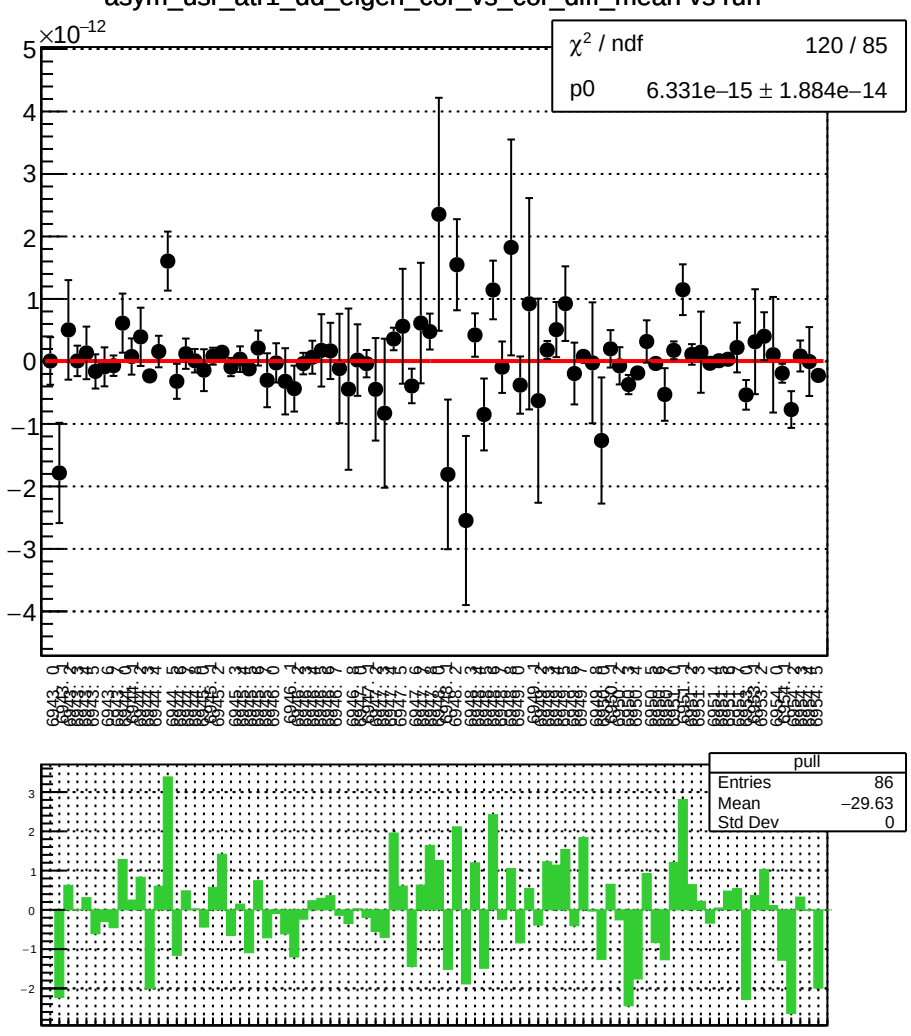

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.09 / 85
p0 0.05883 ± 0.04629
pull
Entries 86
Mean −129.6
Std Dev 0
pull1D
Entries 86
Mean 0.003623
Std Dev 0.9344

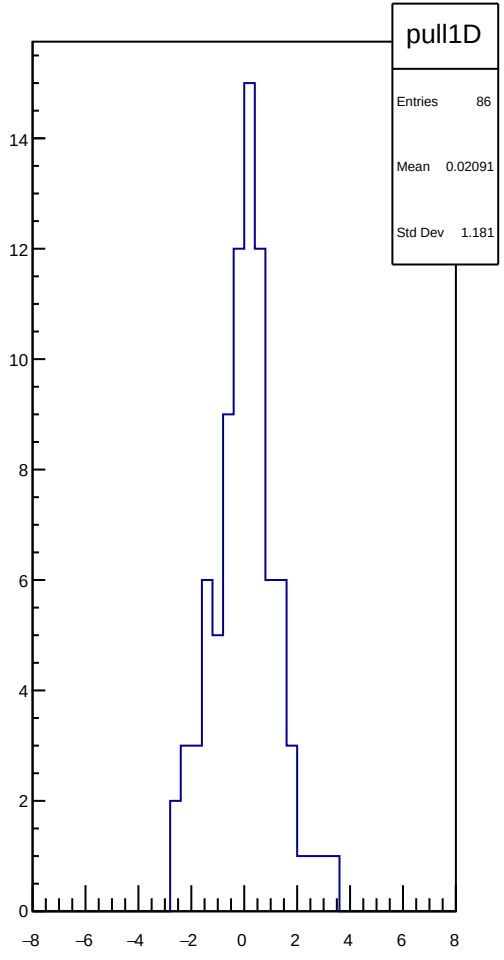

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.081e+05 / 85
p0 40.73 ± 0.03273
100
90
80
70
60
50
40
30
20

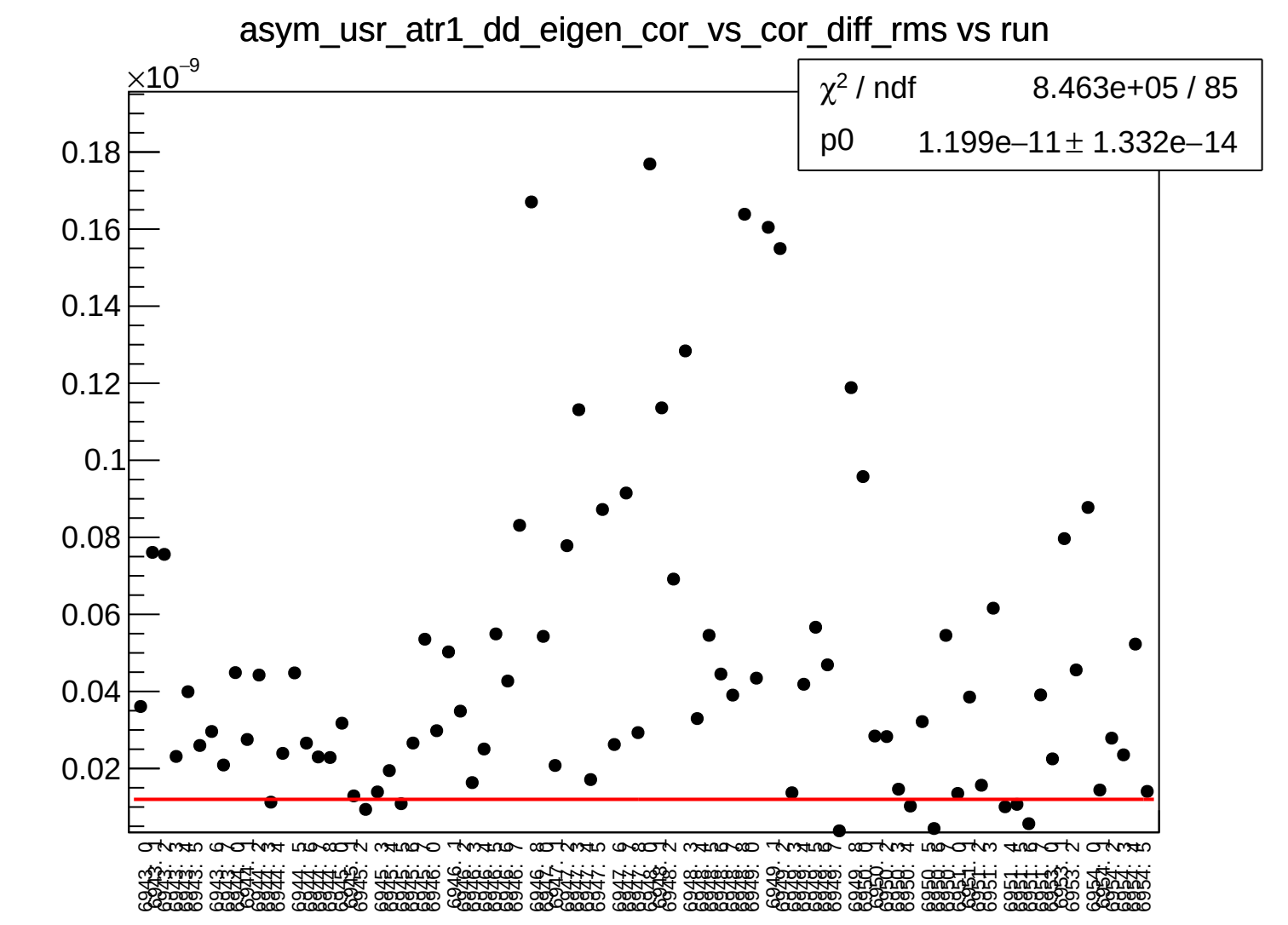

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.09 / 85
p0 0.05883 ± 0.04629
pull
Entries 86
Mean −129.6
Std Dev 0

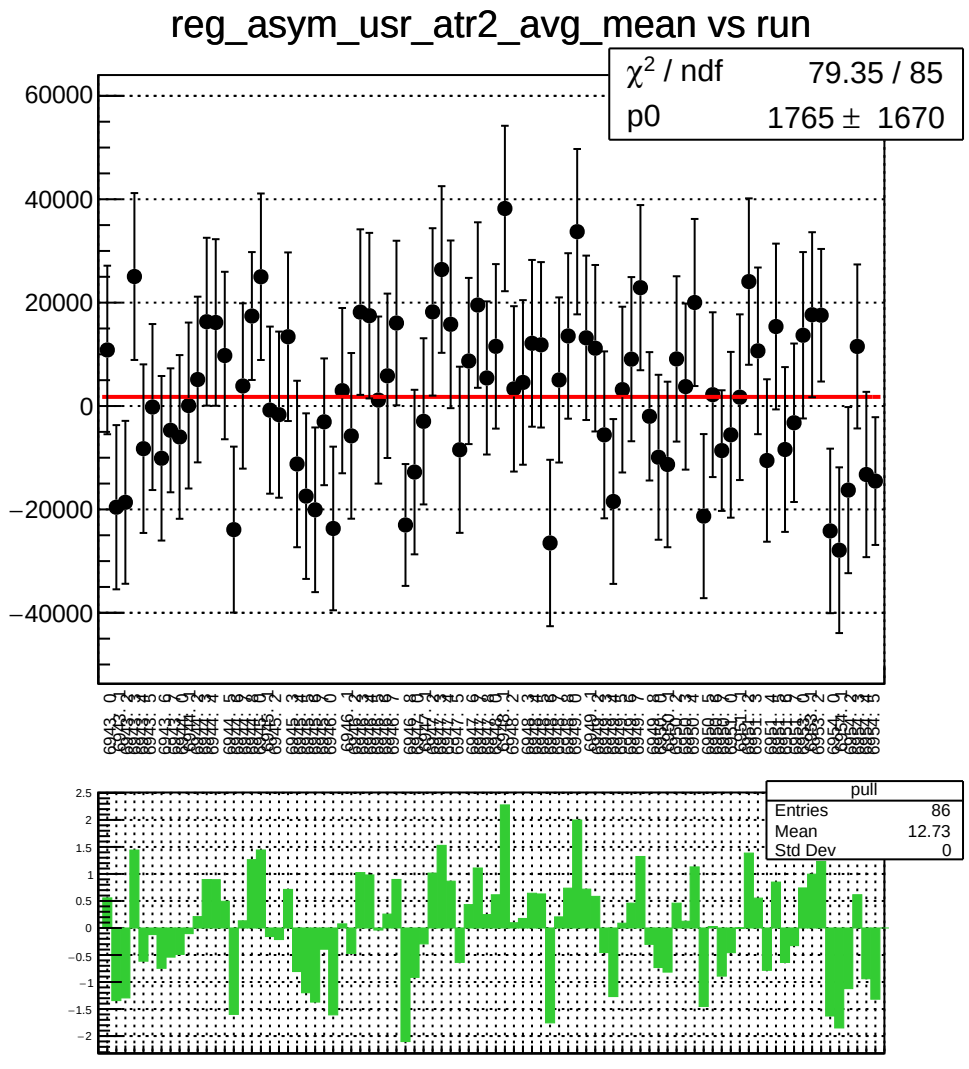

pull1D
Entries 86
Mean 0.003623
Std Dev 0.9344

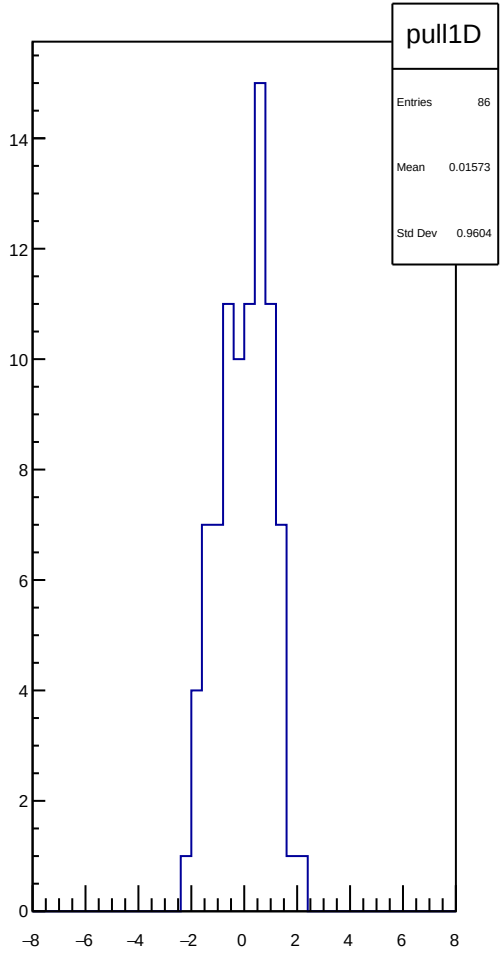

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.081e+05 / 85
p0 40.73 ± 0.03273
100
90
80
70
60
50
40
30
20

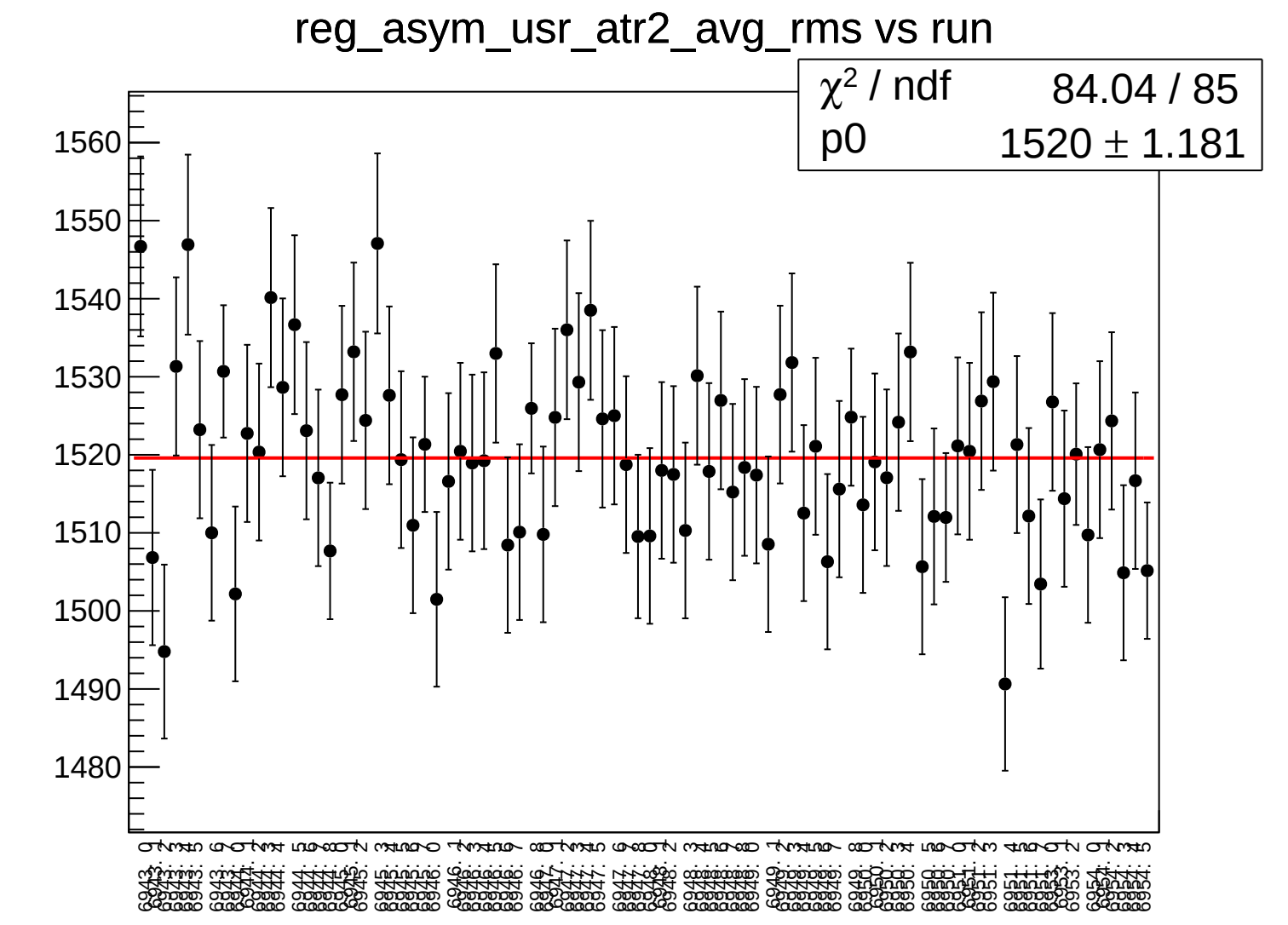

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 120 / 85
p0 6.331e−15 ± 1.884e−14
pull
Entries 86
Mean −29.63
Std Dev 0

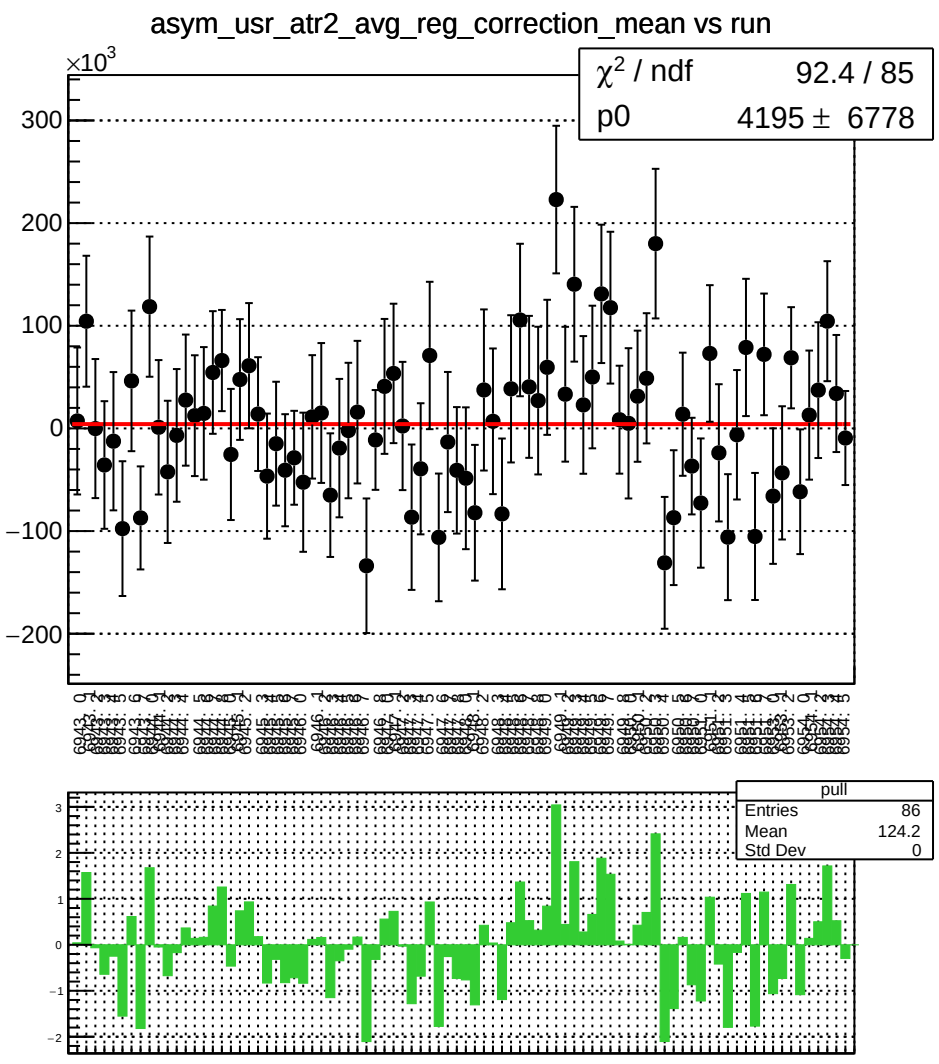

pull1D
Entries 86
Mean 0.02091
Std Dev 1.181

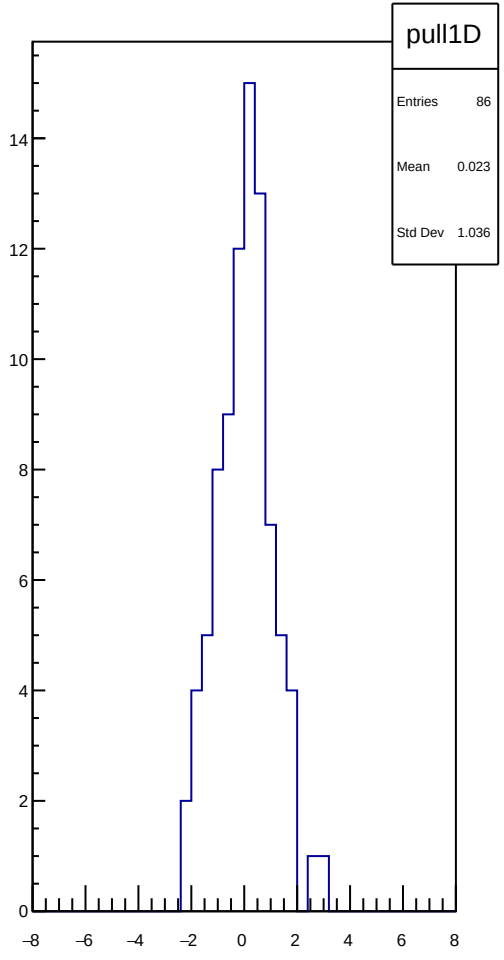

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.463e+05 / 85
p0 1.199e−11 ± 1.332e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

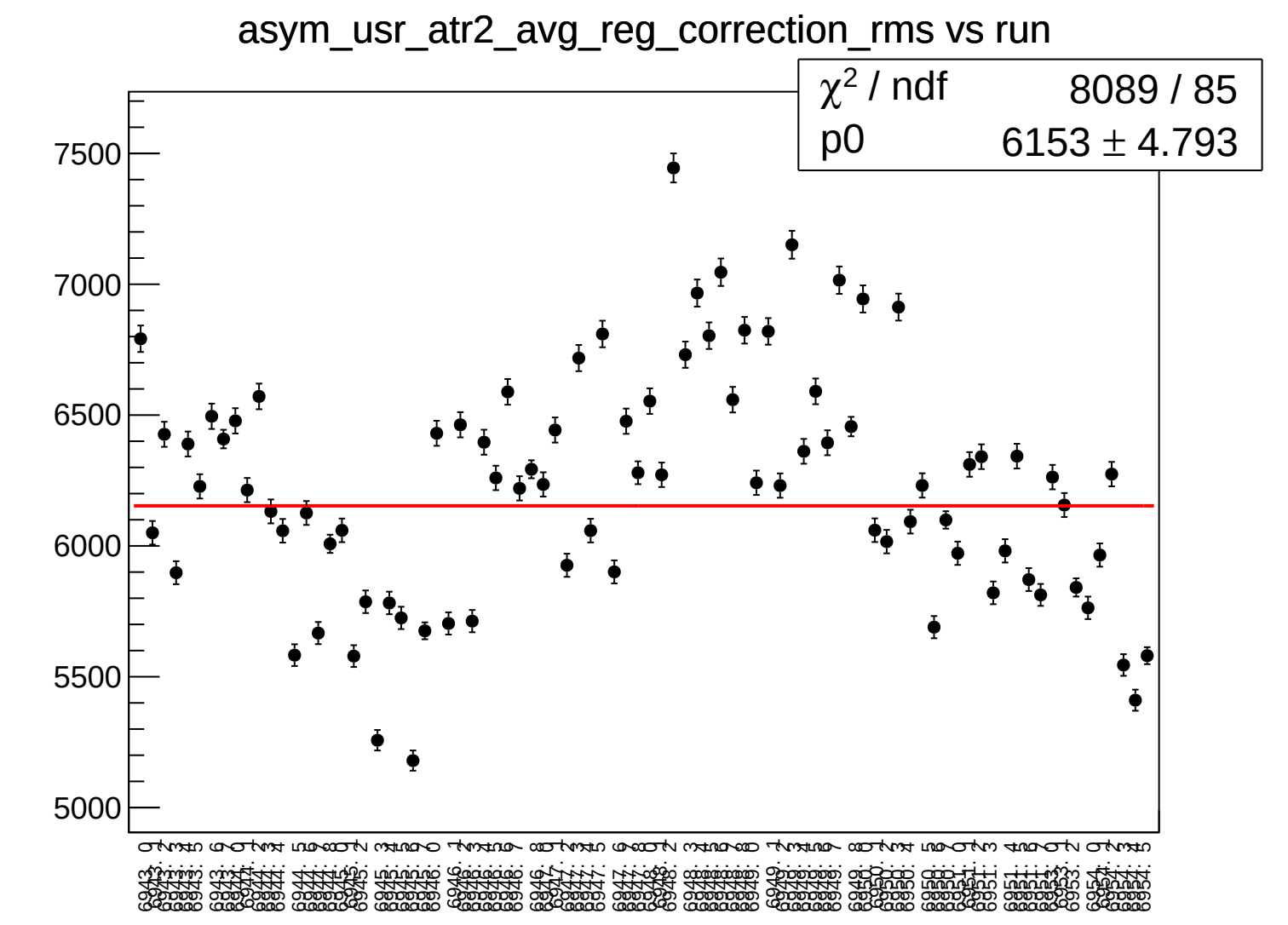

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 79.35 / 85
p0 1765 ± 1670
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 12.73
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

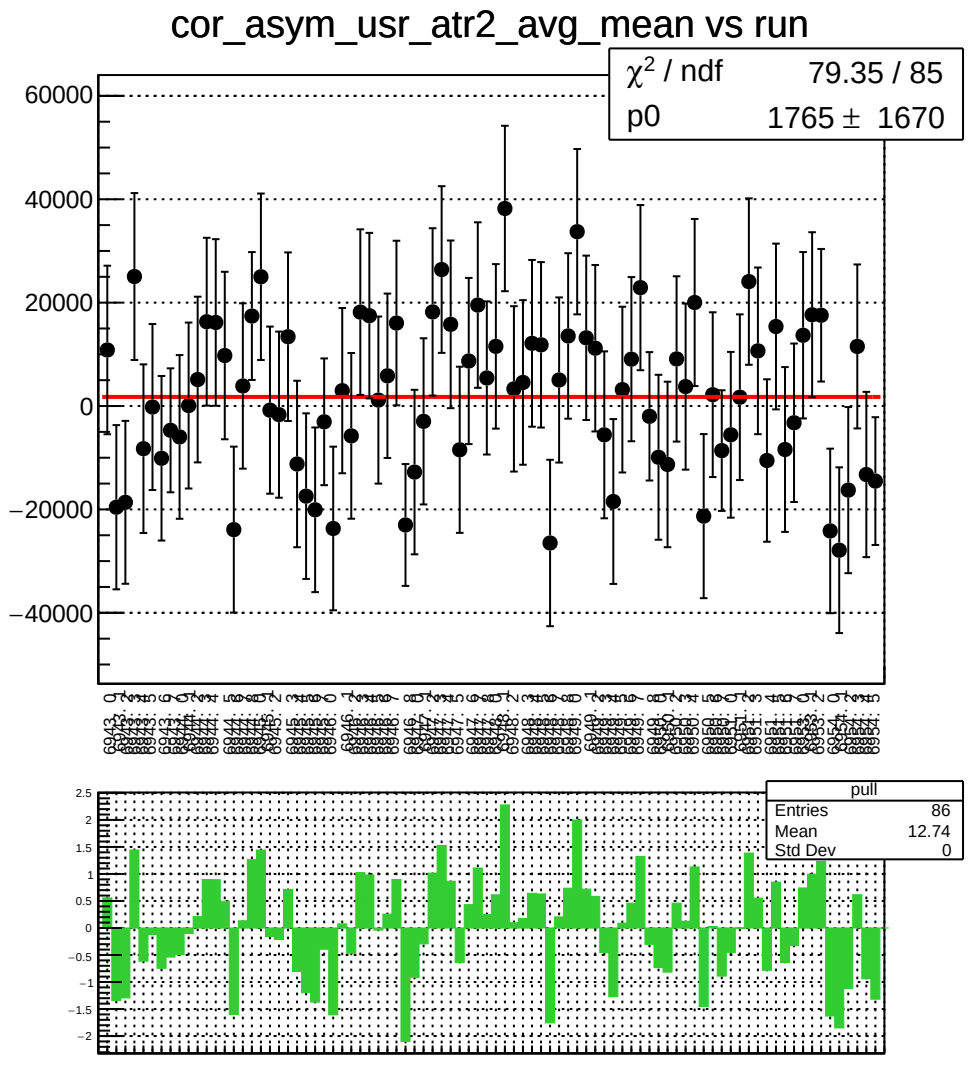

pull1D
Entries 86
Mean 0.01573
Std Dev 0.9604
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

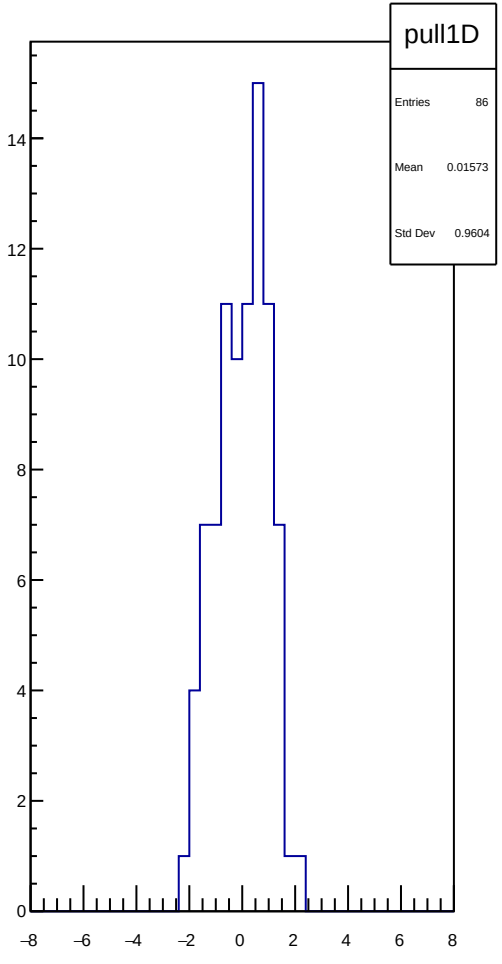

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 84.04 / 85
p0 1520 ± 1.181
1560
1550
1540
1530
1520
1510
1500
1490
1480

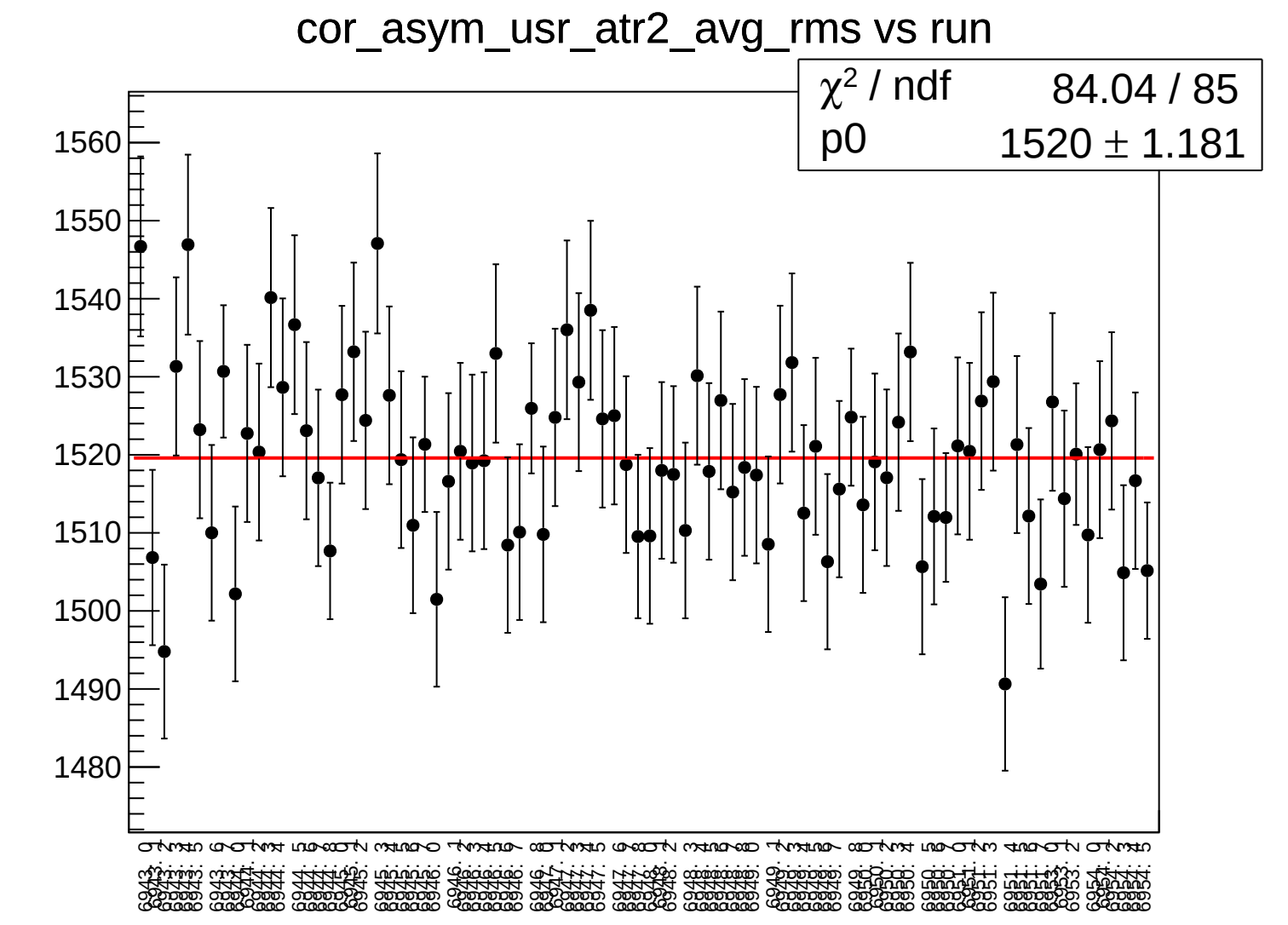

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 92.4 / 85
p0 4195 ± 6778
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.2
Std Dev 0
3
2
1
0
−1
−2

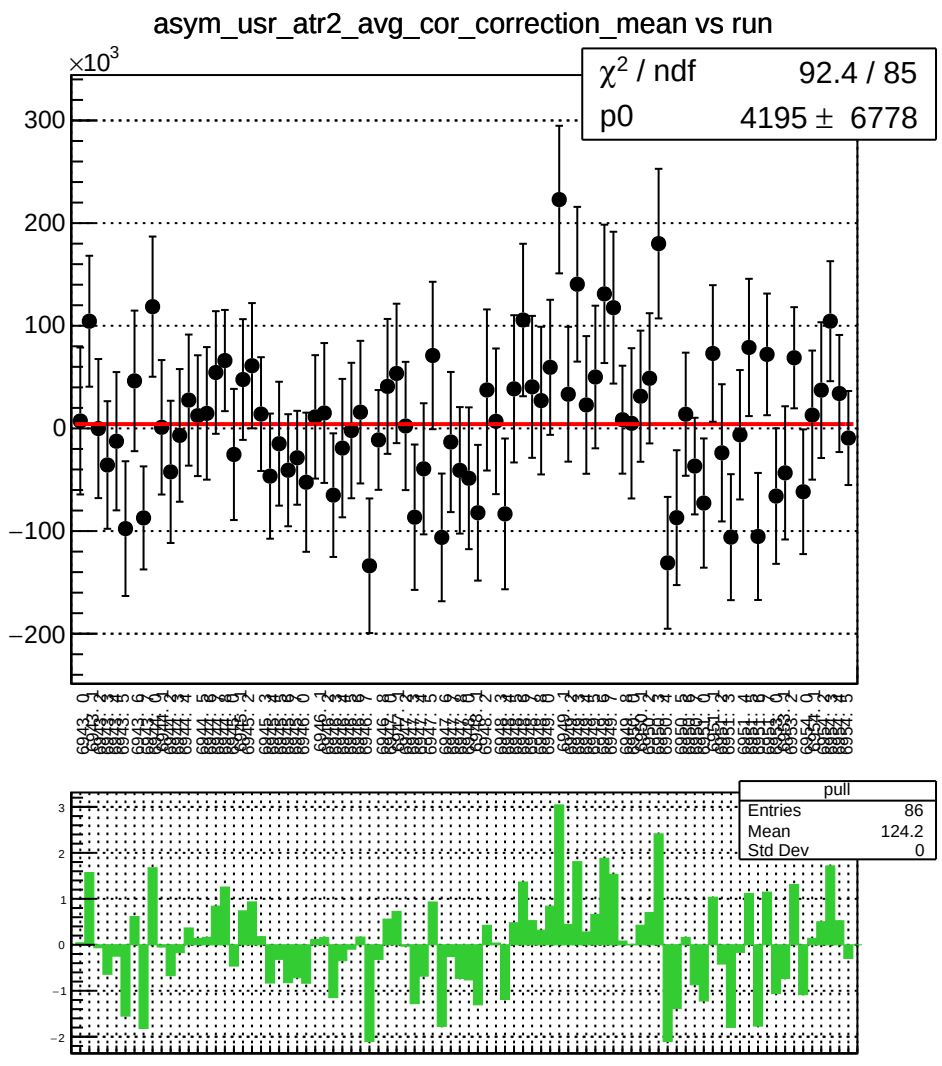

pull1D
Entries 86
Mean 0.023
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

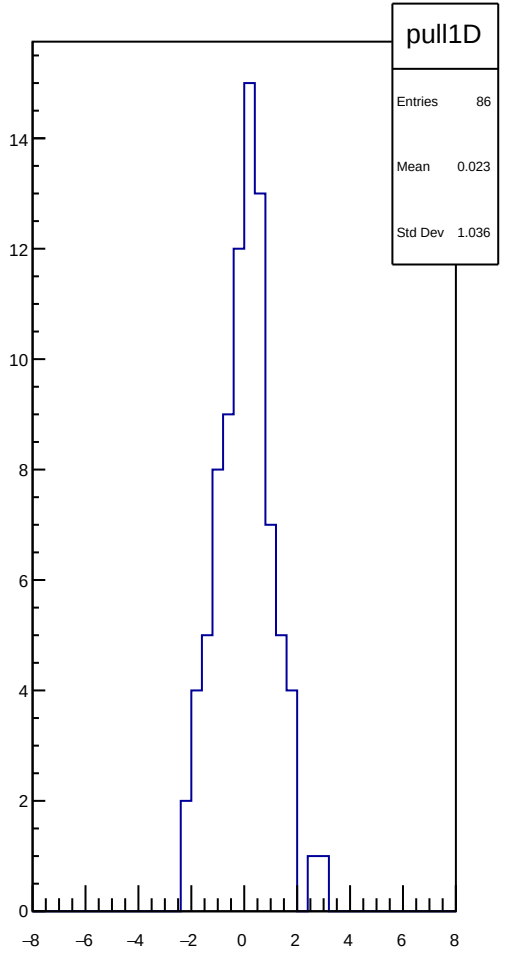

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 8089 / 85
p0 6153 ± 4.793
7500
7000
6500
6000
5500
5000

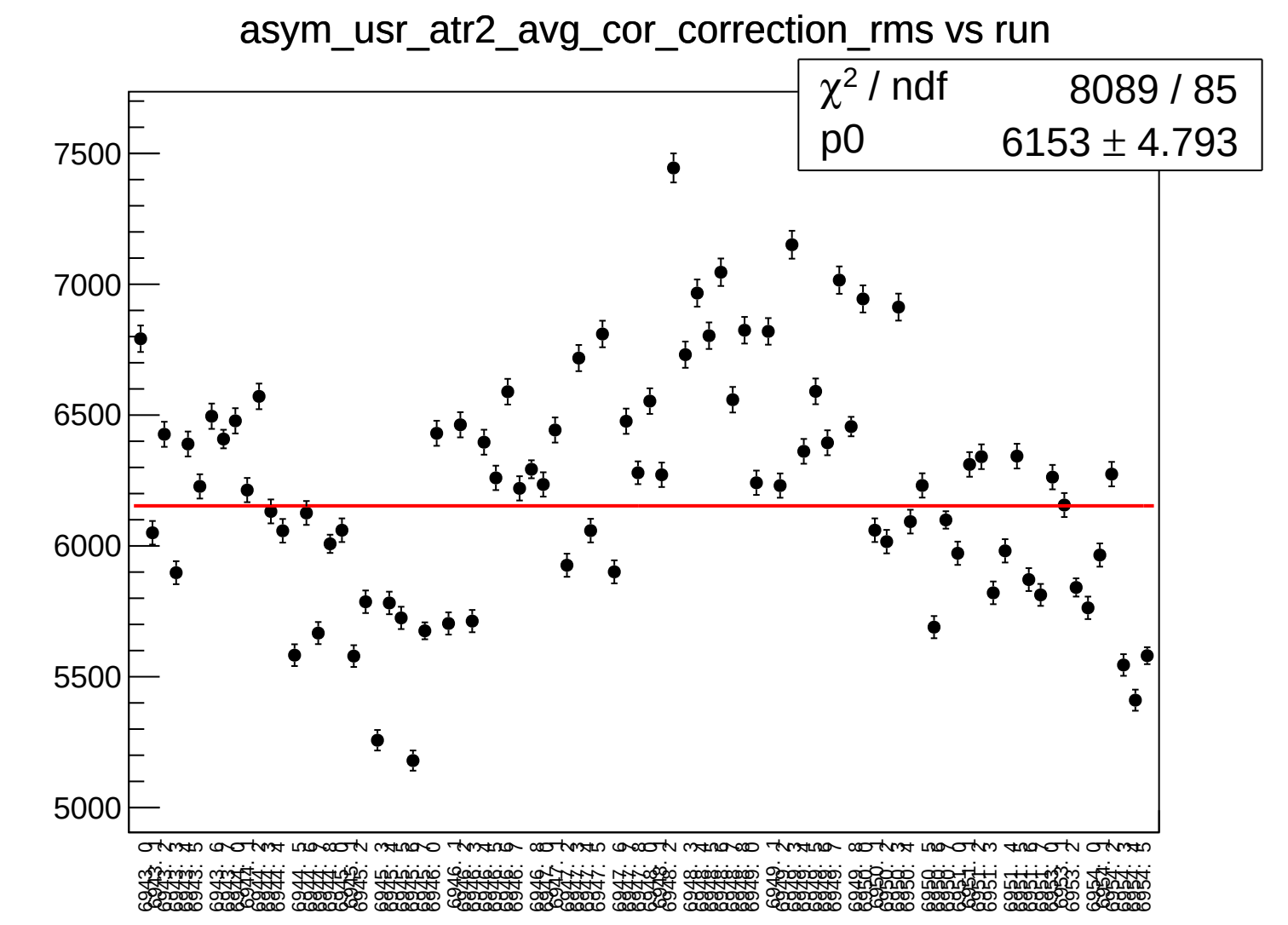

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 79.35 / 85
p0 1765 ± 1670
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 12.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

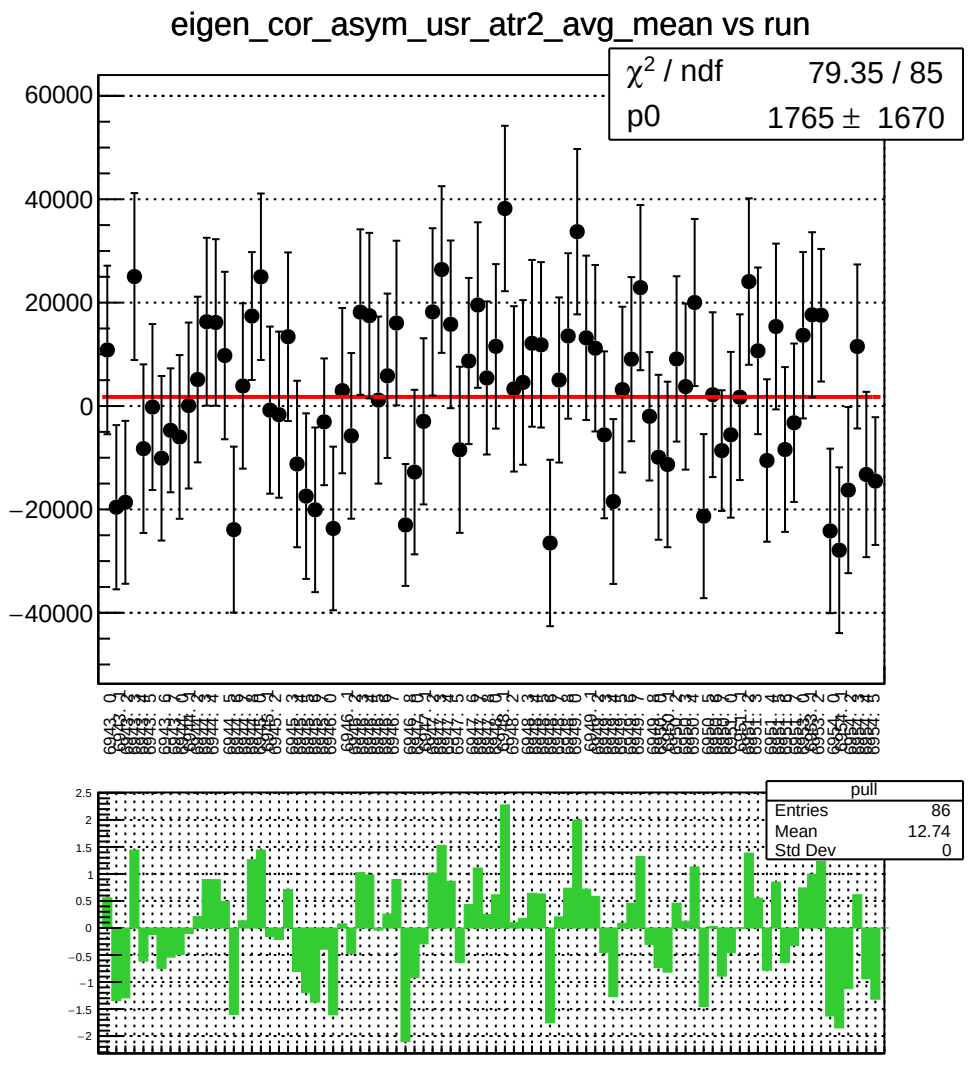

pull1D
Entries 86
Mean 0.01573
Std Dev 0.9604
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

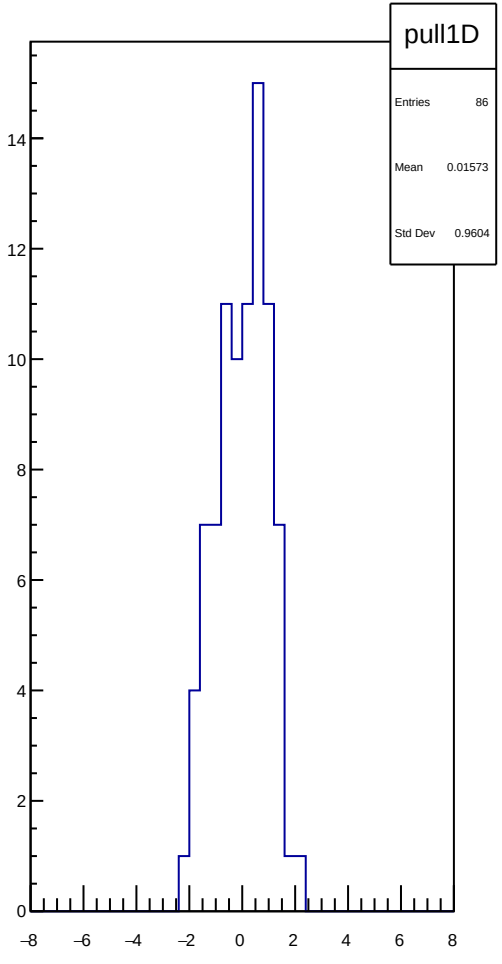

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 84.04 / 85
p0 1520 ± 1.181
1560
1550
1540
1530
1520
1510
1500
1490
1480

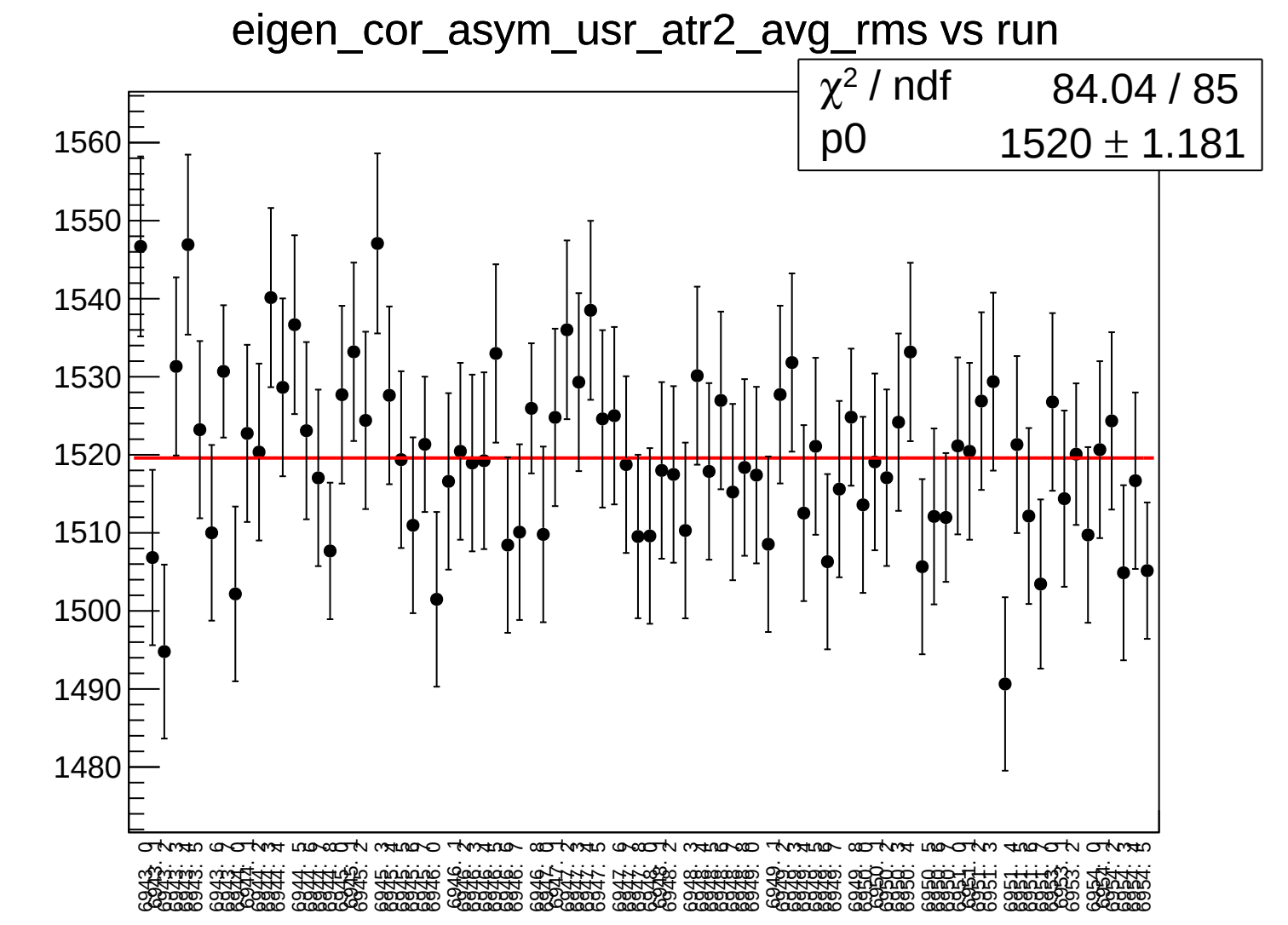

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 92.4 / 85
p0 4195 ± 6778
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.2
Std Dev 0
3
2
1
0
−1
−2

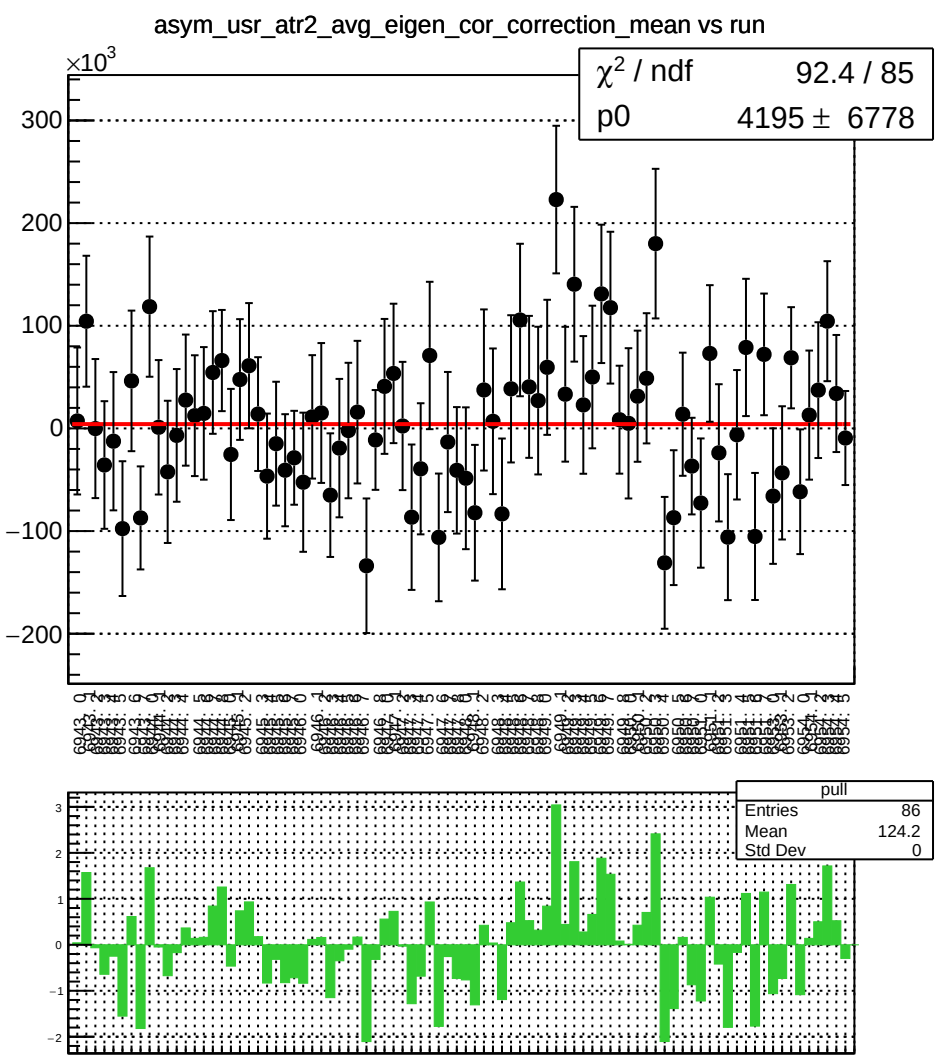

pull1D
Entries 86
Mean 0.023
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

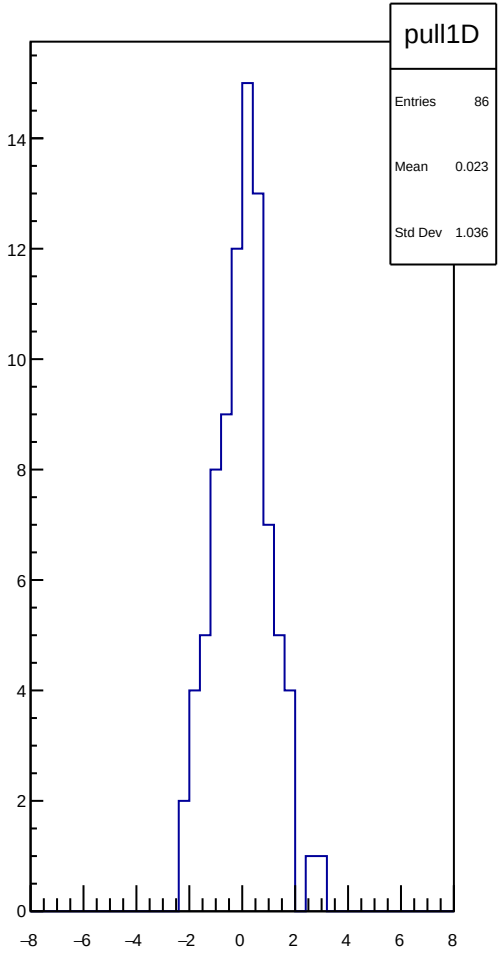

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 8089 / 85
p0 6153 ± 4.793
7500
7000
6500
6000
5500
5000

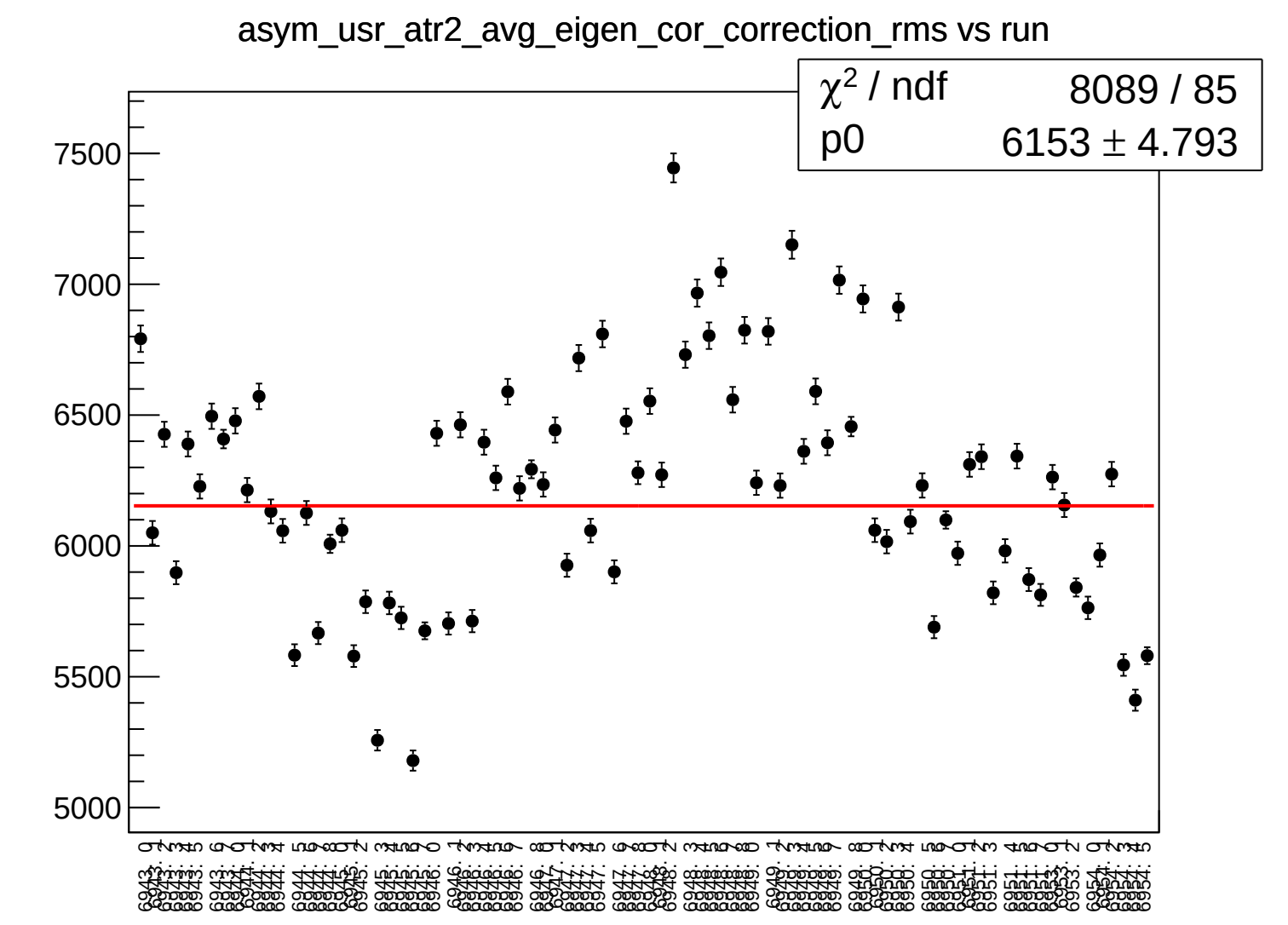

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 79.35 / 85
p0 1765 ± 1670
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 12.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

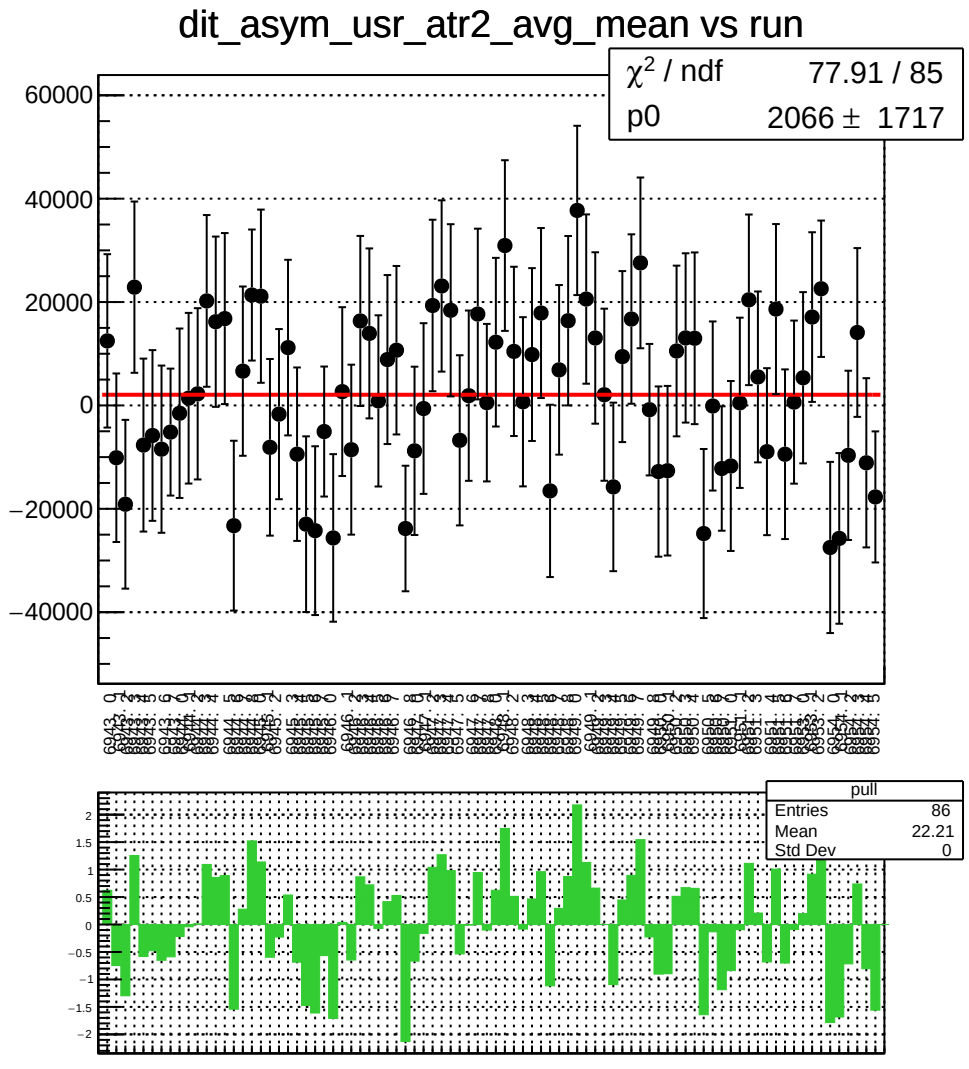

pull1D
Entries 86
Mean 0.01573
Std Dev 0.9604
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

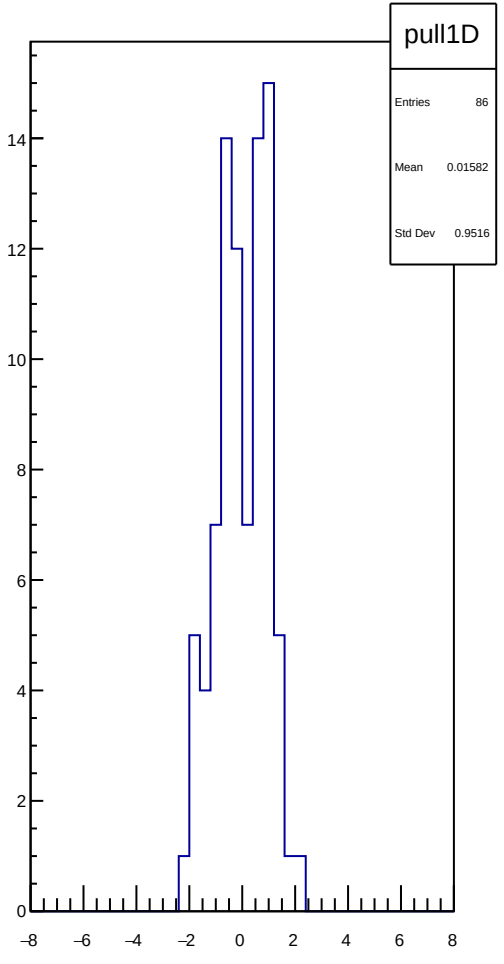

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 84.04 / 85
p0 1520 ± 1.181
1560
1550
1540
1530
1520
1510
1500
1490
1480

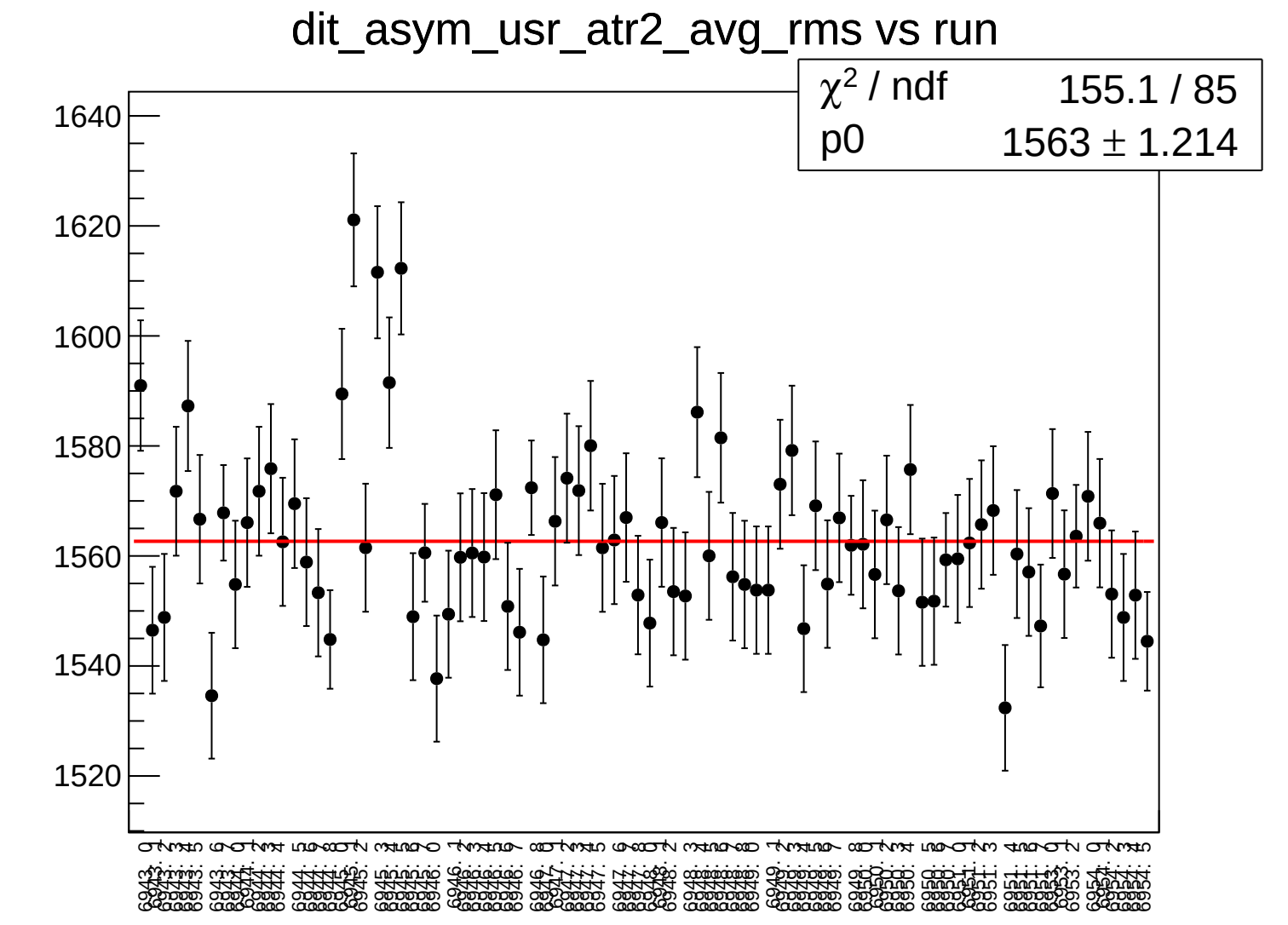

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.4 / 85
p0 4195 ± 6778
300
200
100
0
−100
−200
pull
Entries 86
Mean 124.2
Std Dev 0
3
2
1
0
−1
−2

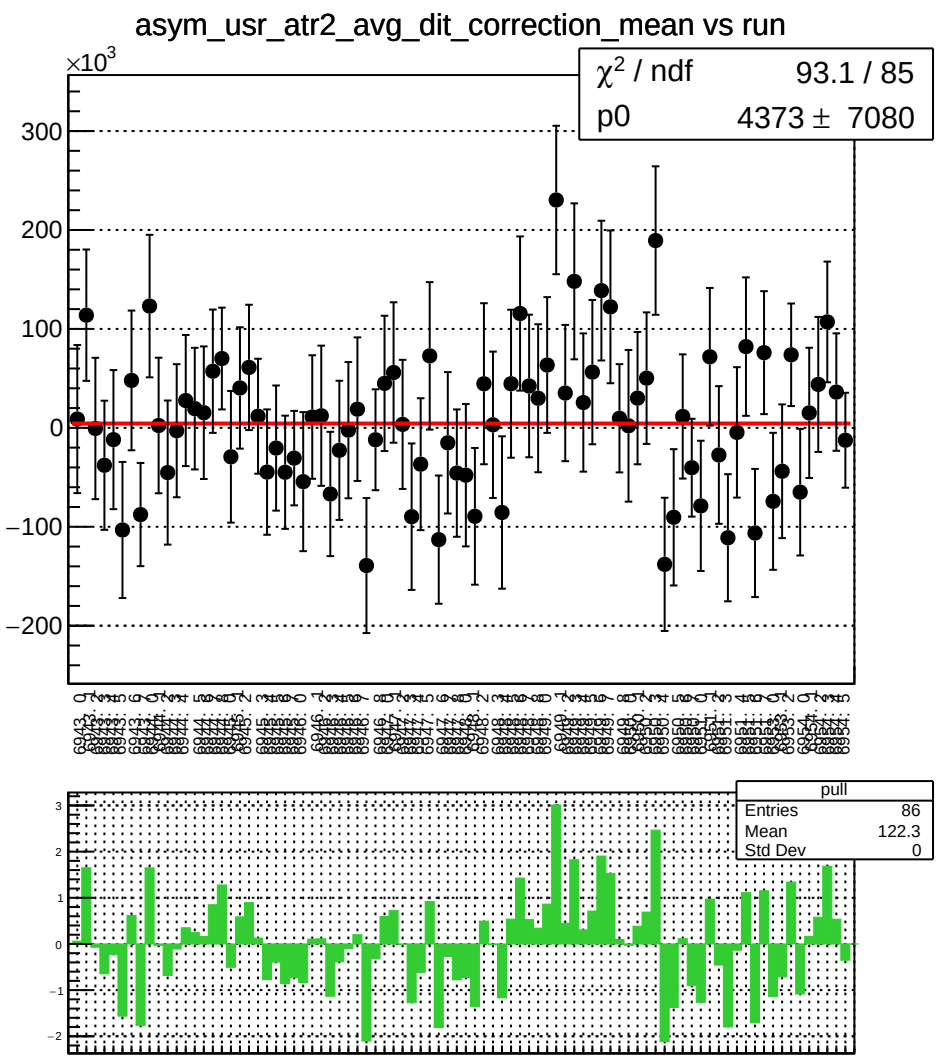

pull1D
Entries 86
Mean 0.023
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

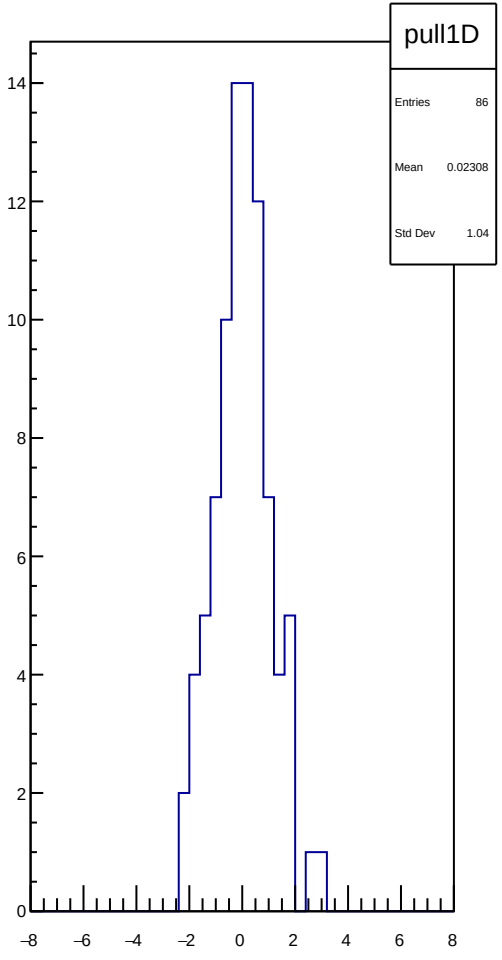

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8089 / 85
p0 6153 ± 4.793
7500
7000
6500
6000
5500
5000

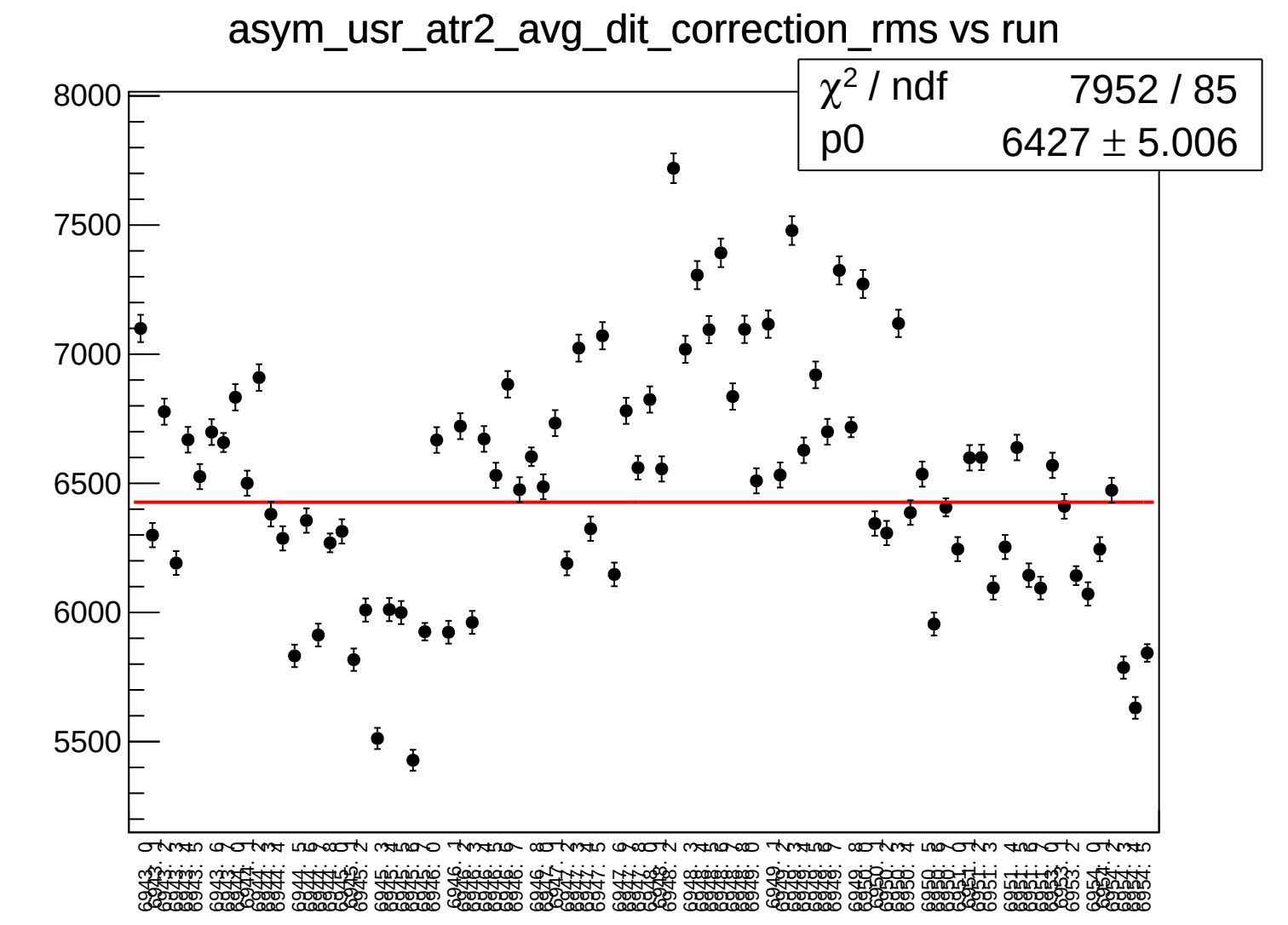

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 77.91 / 85
p0 2066 ± 1717
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 22.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

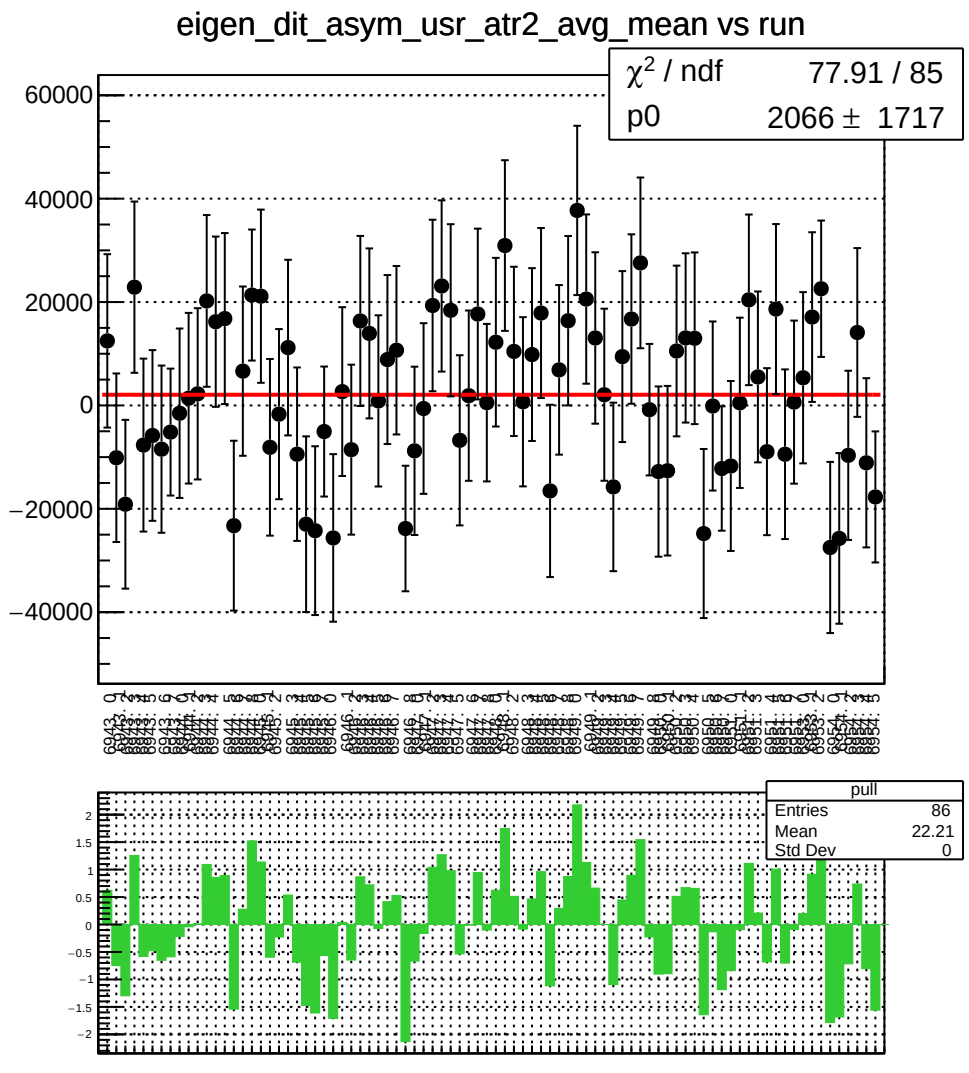

pull1D
Entries 86
Mean 0.01582
Std Dev 0.9516
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

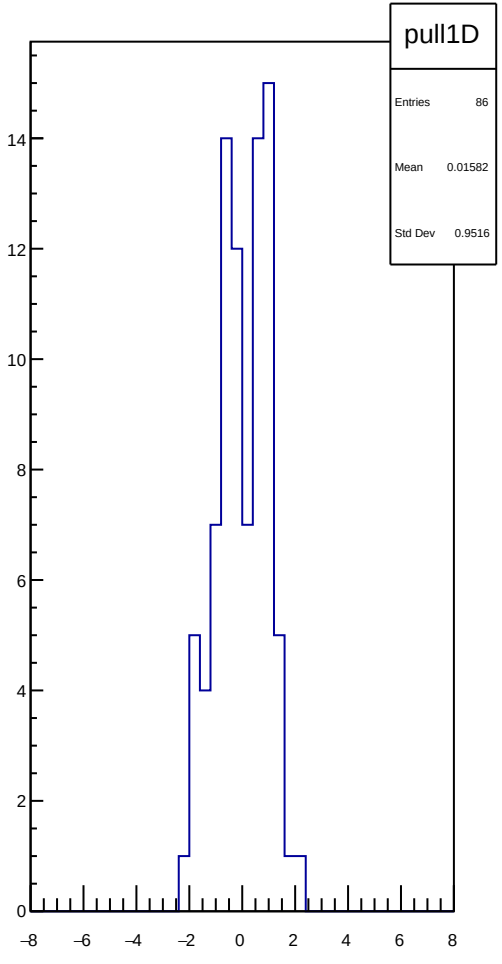

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 155.1 / 85
p0 1563 ± 1.214
1640
1620
1600
1580
1560
1540
1520

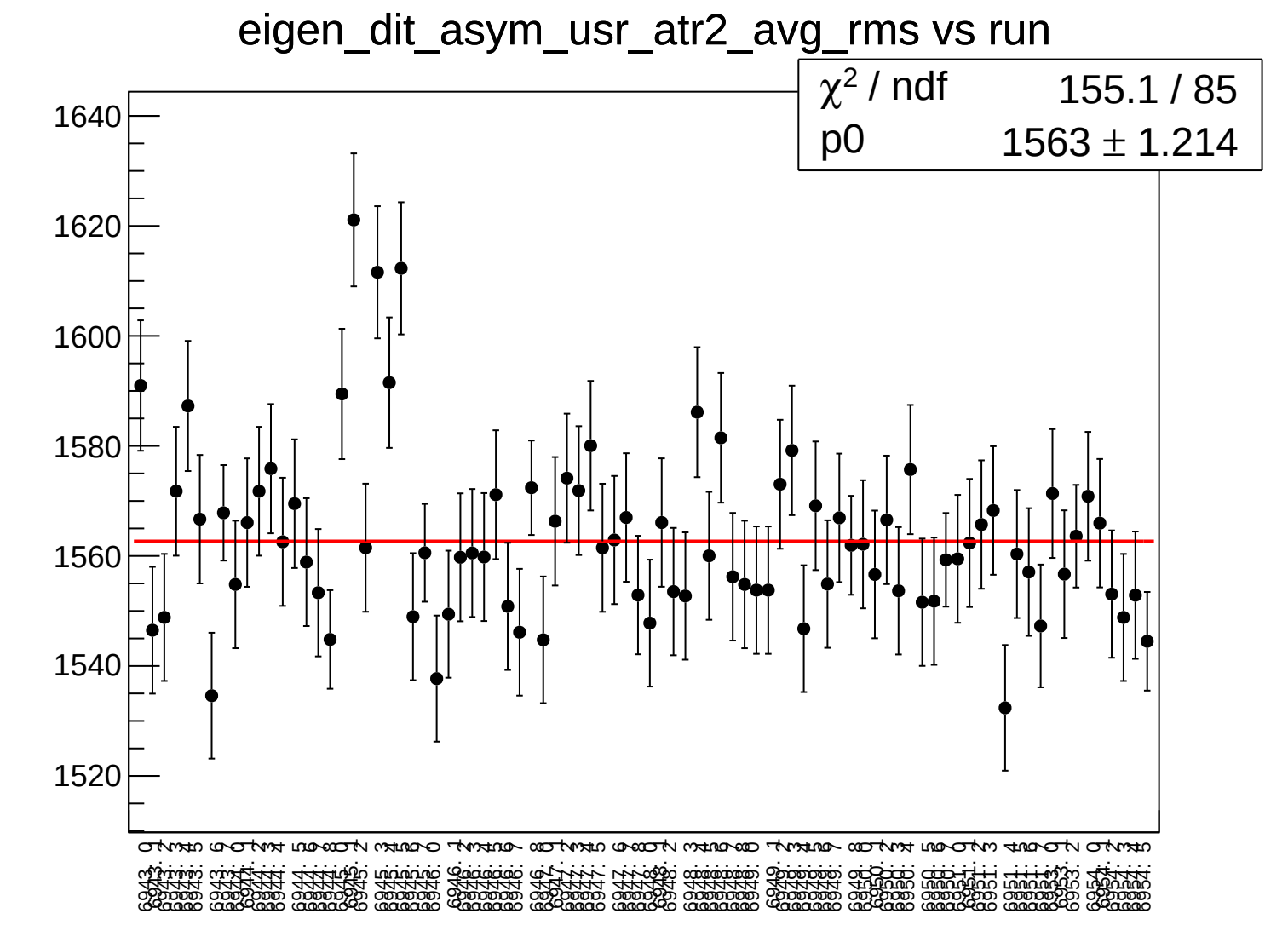

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 93.1 / 85
p0 4373 ± 7080
pull
Entries 86
Mean 122.3
Std Dev 0

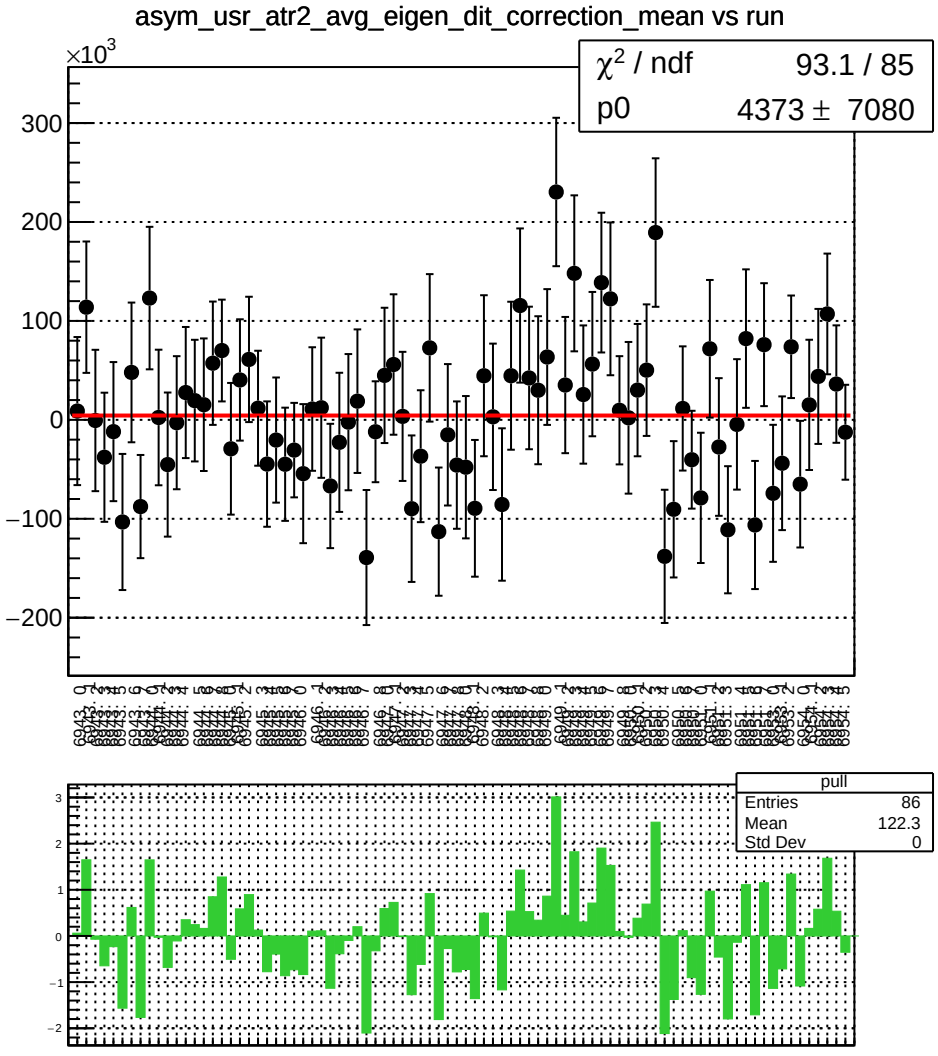

pull1D
Entries 86
Mean 0.02308
Std Dev 1.04

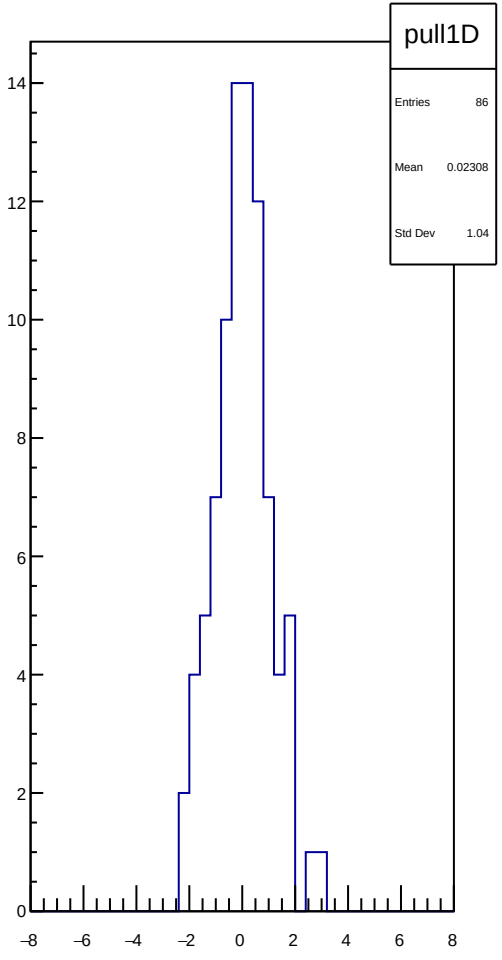

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 7952 / 85
p0 6427 ± 5.006
8000
7500
7000
6500
6000
5500

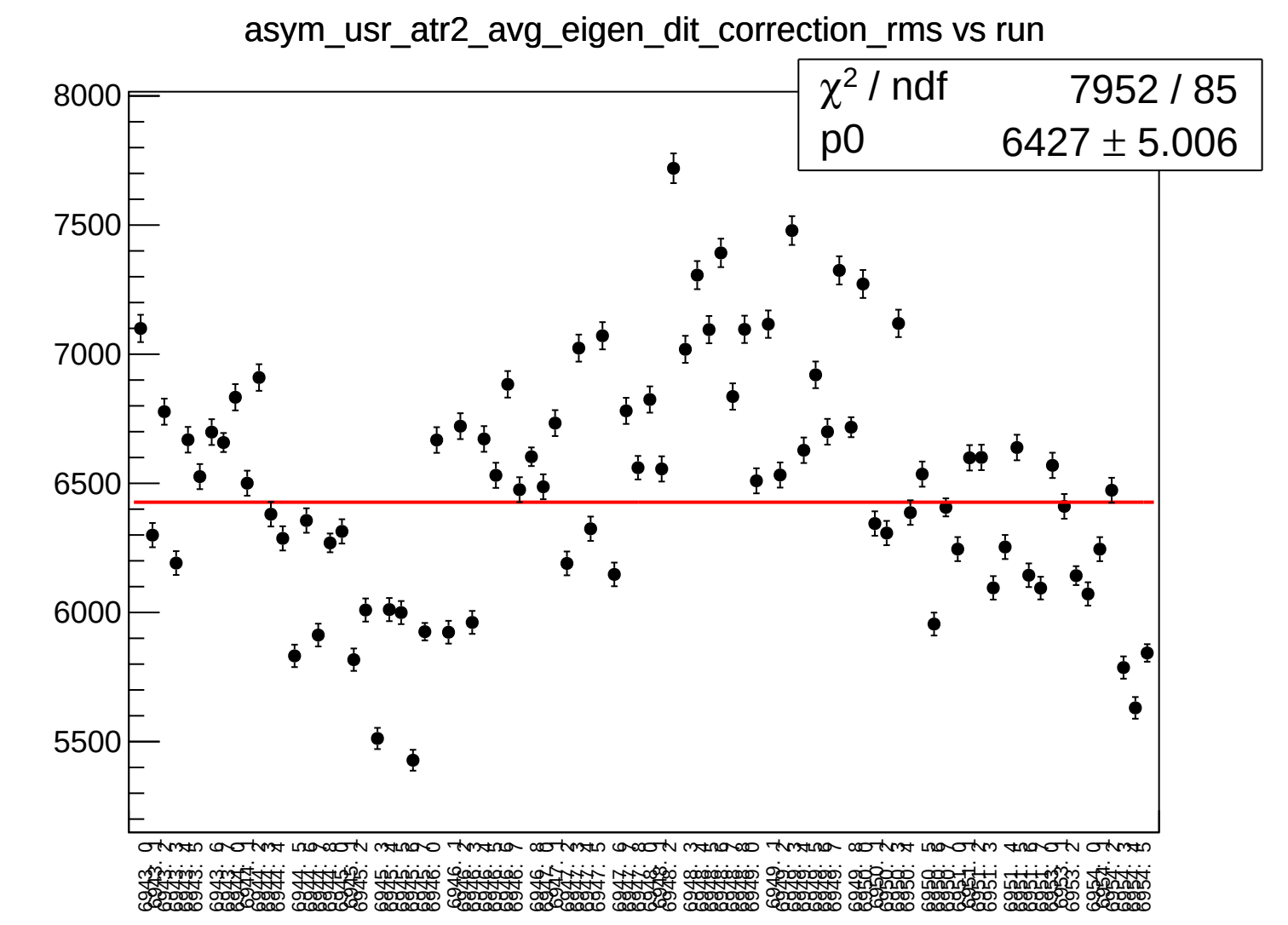

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 77.91 / 85
p0 2066 ± 1717
pull
Entries 86
Mean 22.21
Std Dev 0

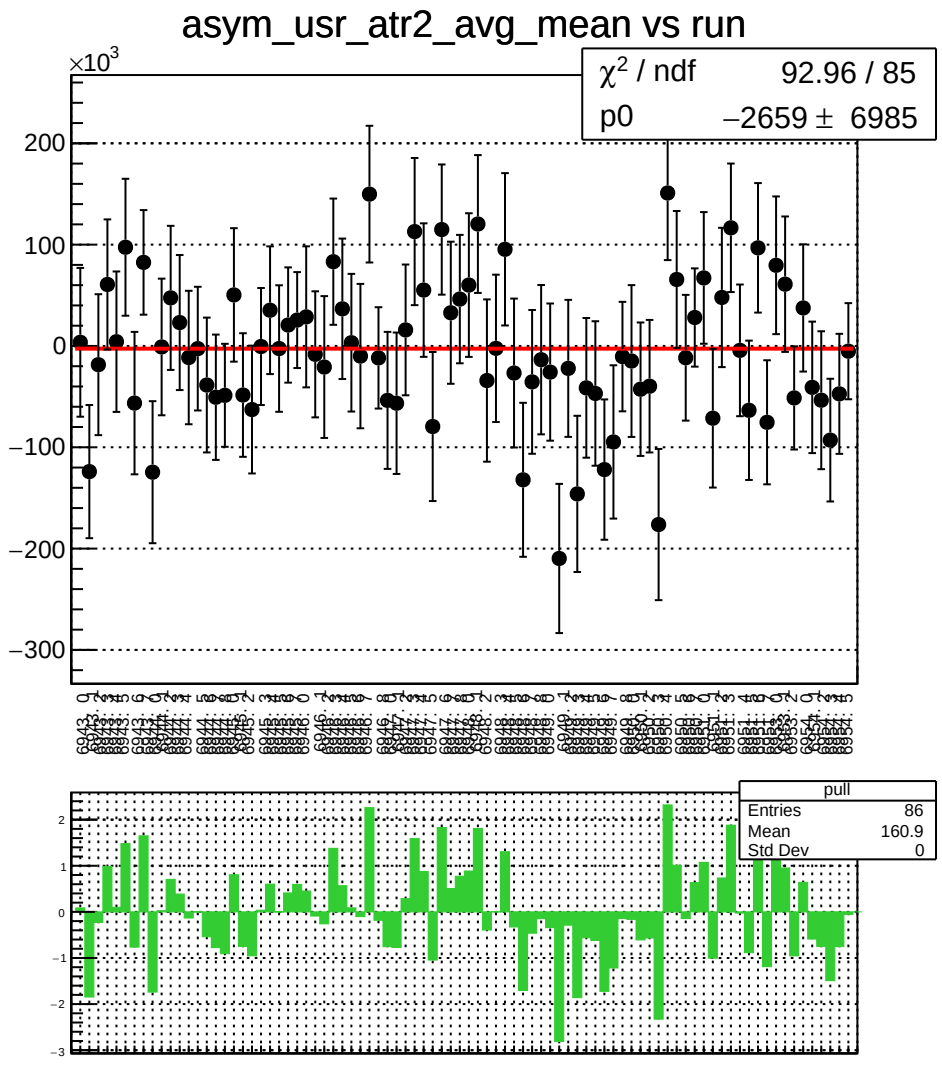

pull1D
Entries 86
Mean 0.01582
Std Dev 0.9516

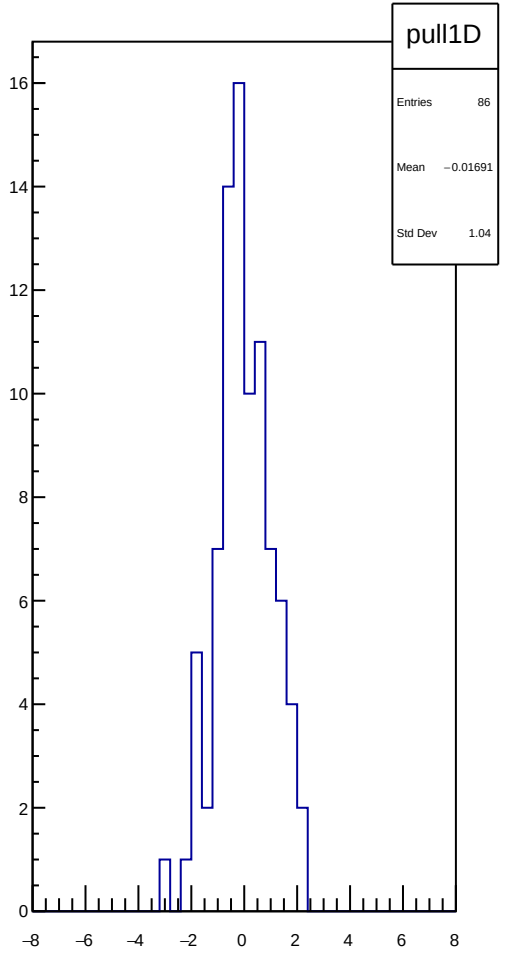

eigen_dit_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 155.1 / 85
p0 1563 ± 1.214
1640
1620
1600
1580
1560
1540
1520

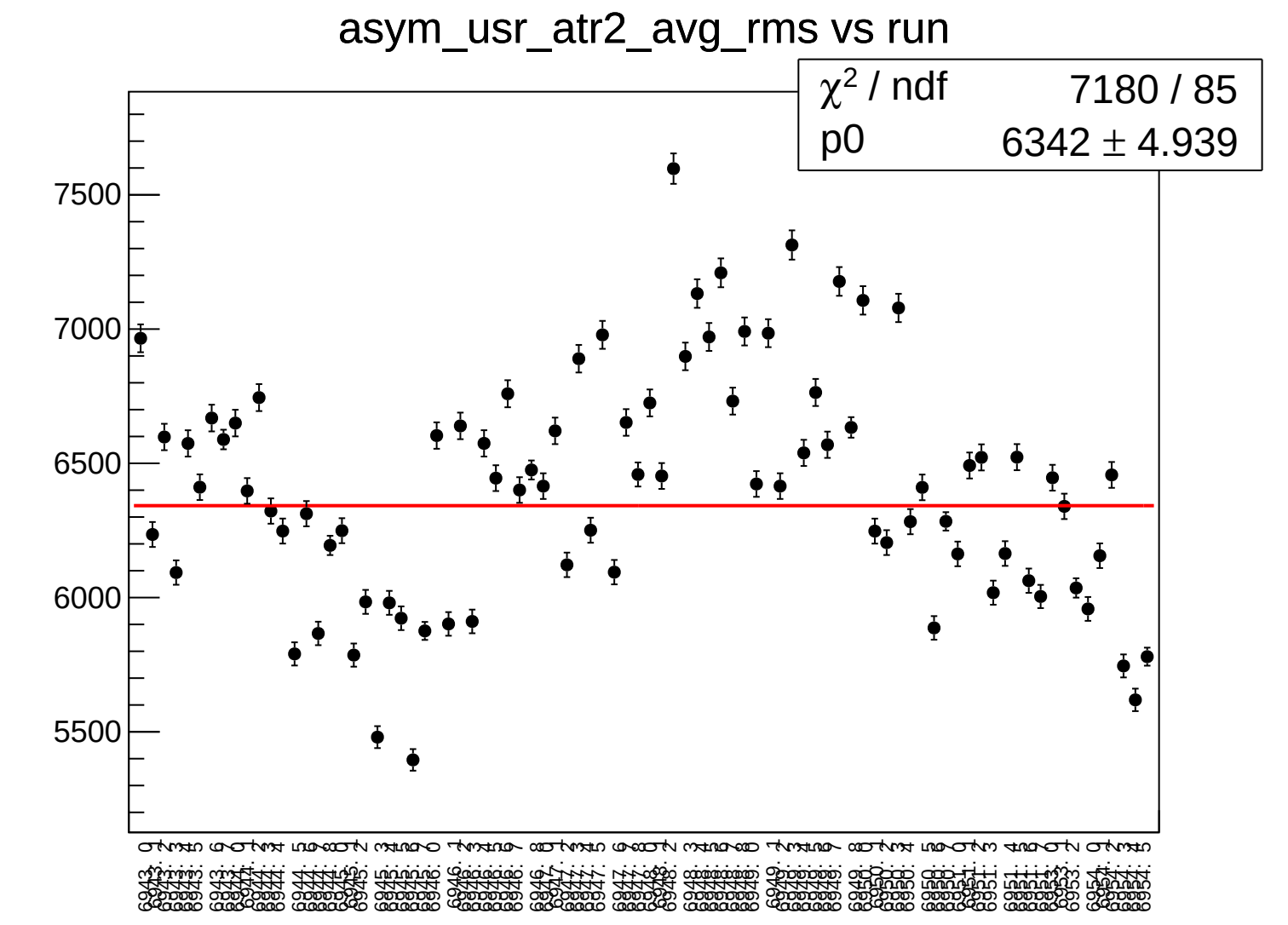

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 93.1 / 85
p0 4373 ± 7080
pull
Entries 86
Mean 122.3
Std Dev 0

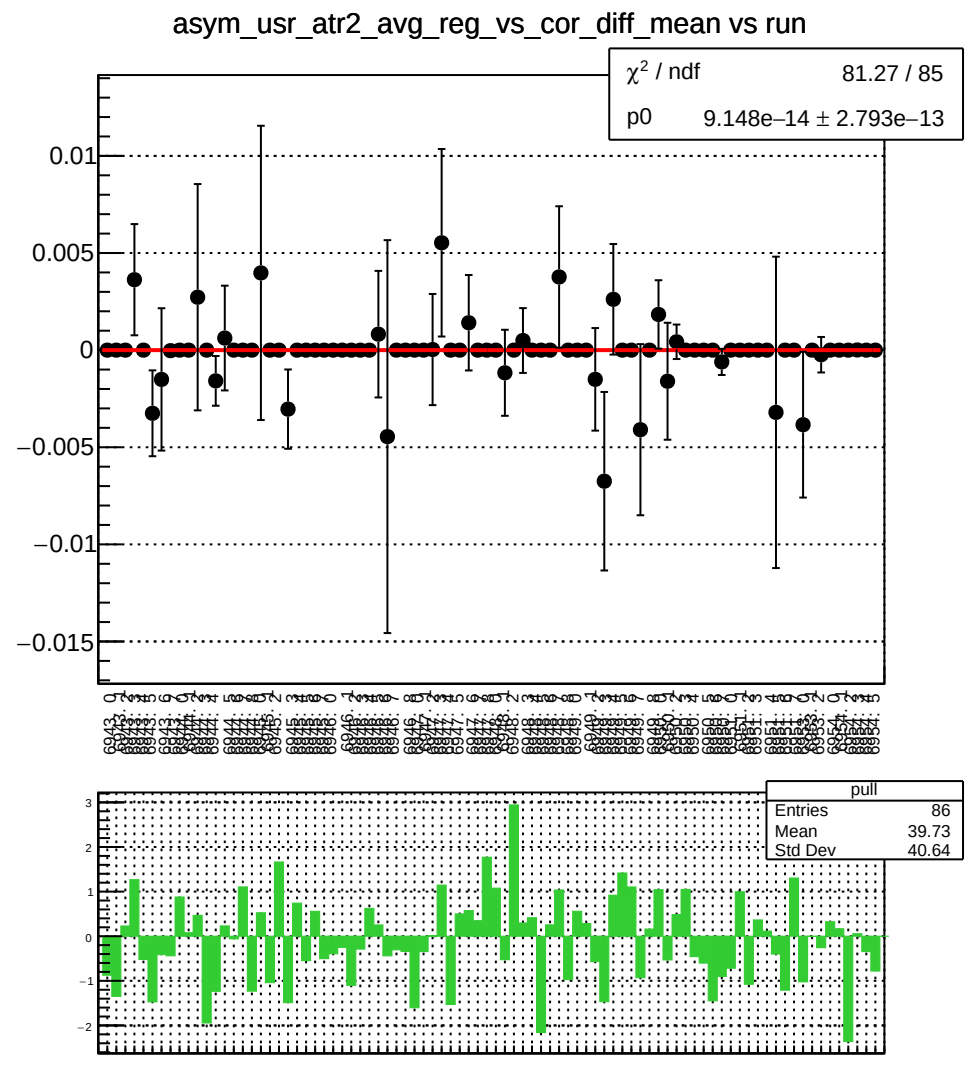

pull1D
Entries 86
Mean 0.02308
Std Dev 1.04

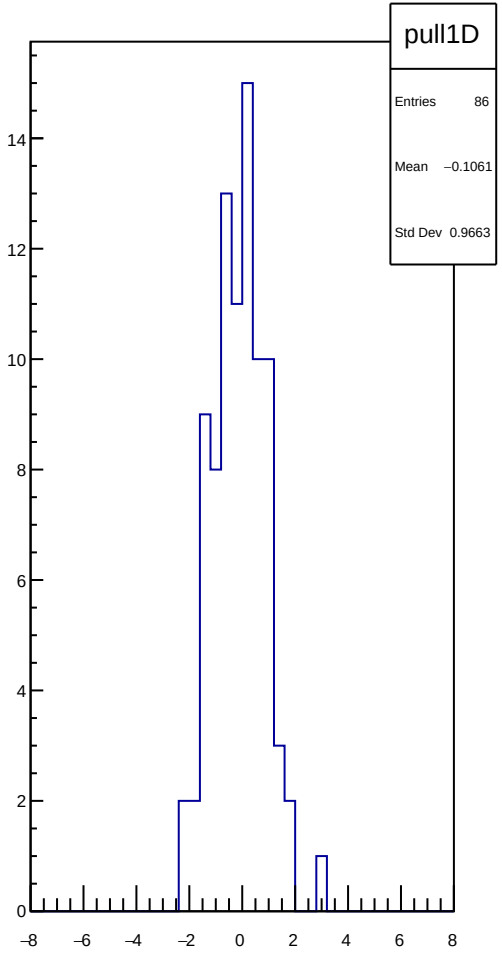

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7952 / 85
p0 6427 ± 5.006
8000
7500
7000
6500
6000
5500

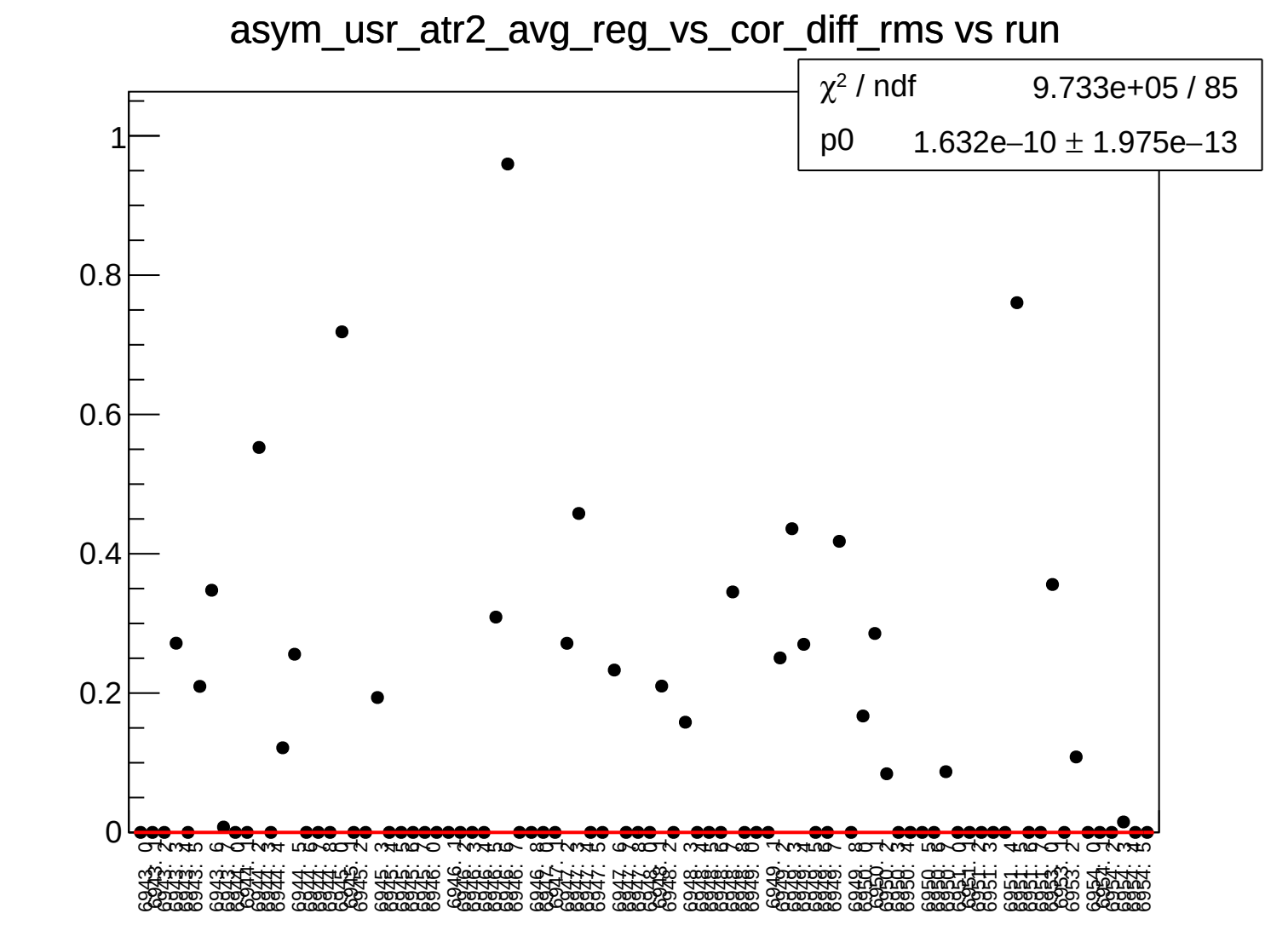

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 92.96 / 85
p0 −2659 ± 6985
200
100
0
−100
−200
−300
pull
Entries 86
Mean 160.9
Std Dev 0
2
1
0
−1
−2
−3

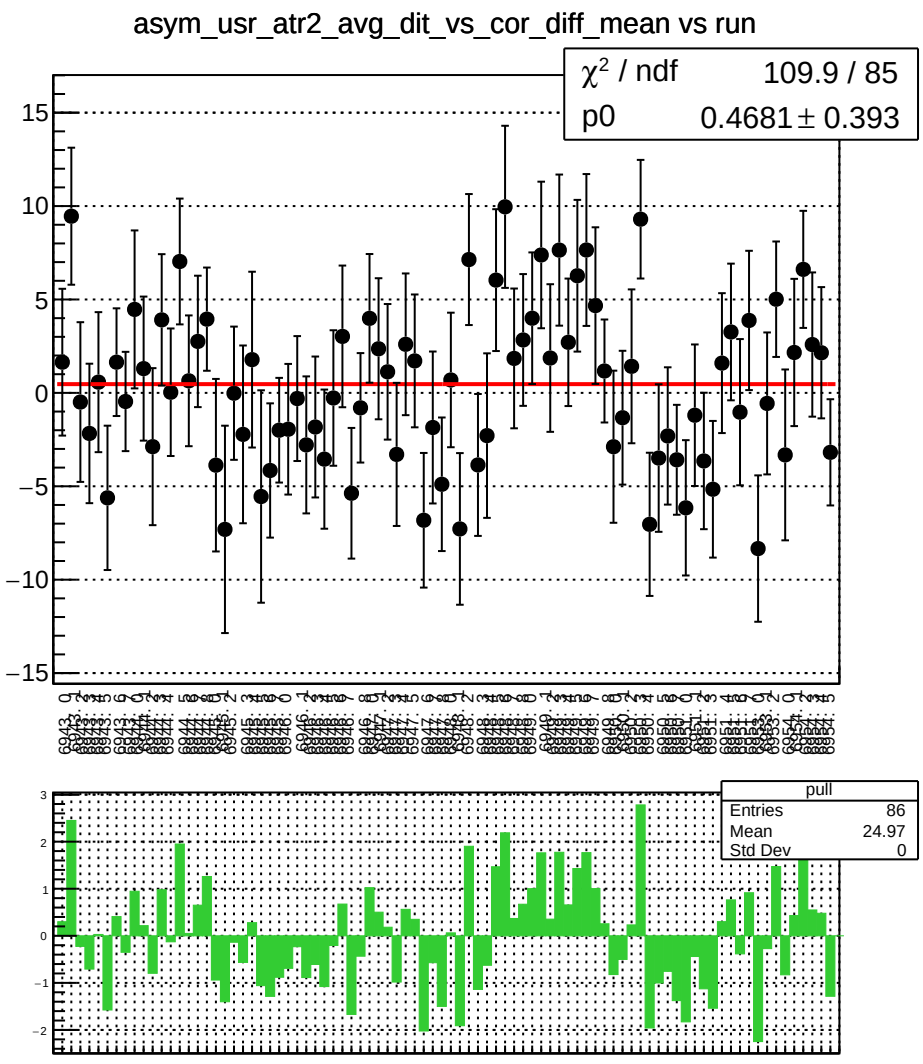

pull1D
Entries 86
Mean −0.01691
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

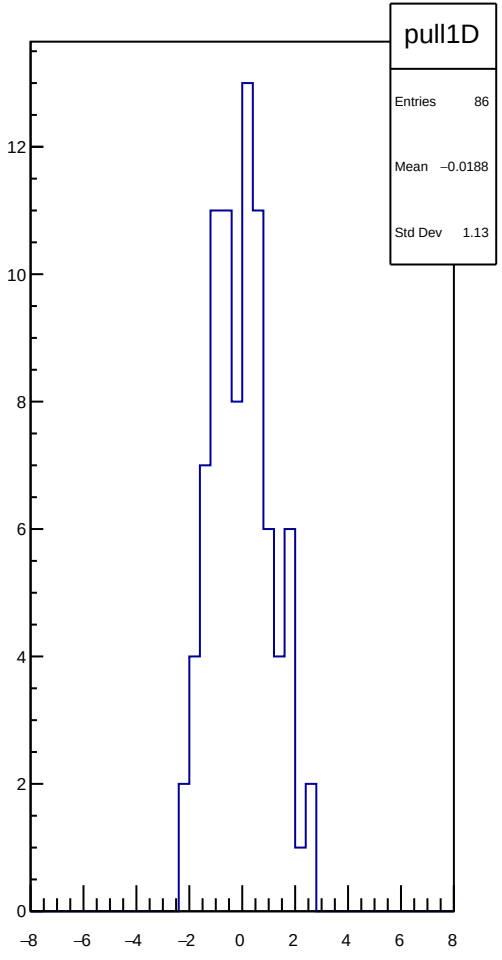

asym_usr_atr2_avg_rms vs run
χ^2 / ndf 7180 / 85
p0 6342 ± 4.939
7500
7000
6500
6000
5500

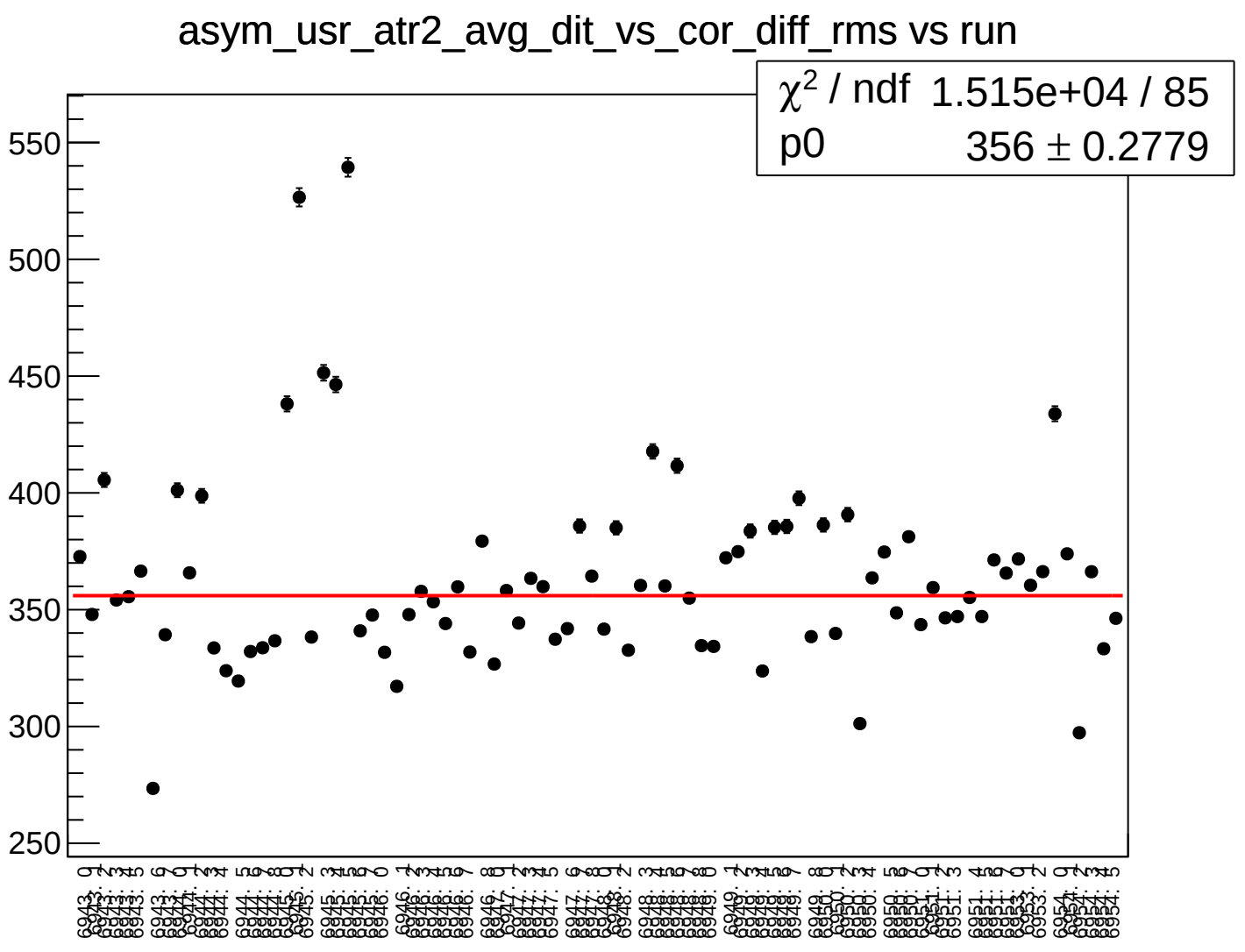

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.27 / 85
p0 9.148e−14 ± 2.793e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 39.73
Std Dev 40.64
3
2
1
0
−1
−2

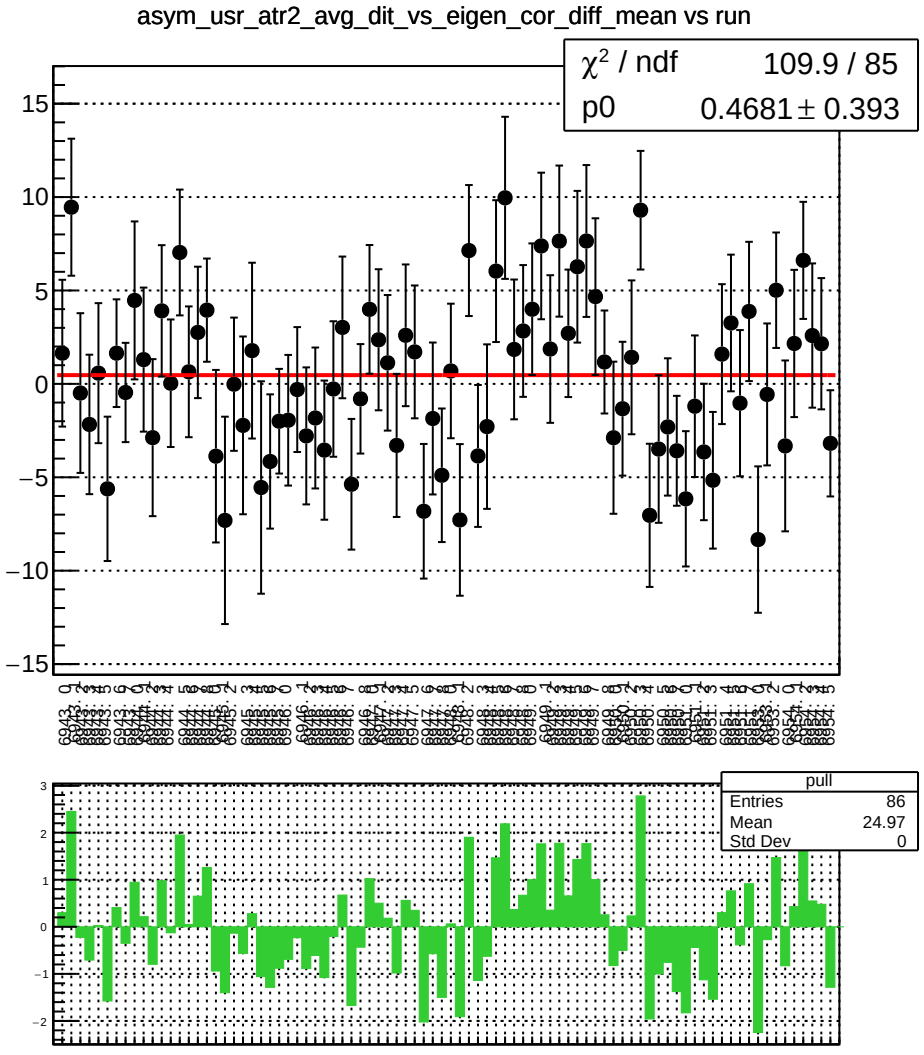

pull1D
Entries 86
Mean −0.1061
Std Dev 0.9663
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

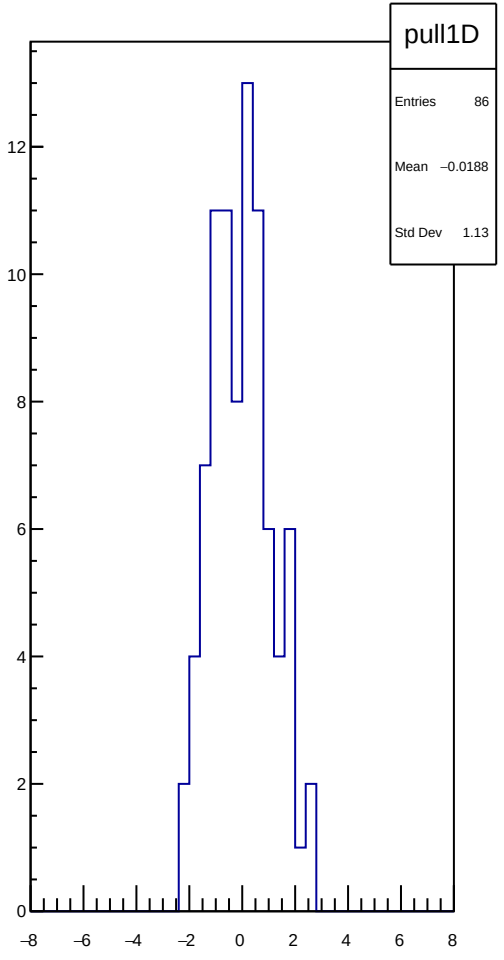

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.733e+05 / 85
p0 1.632e−10 ± 1.975e−13
1
0.8
0.6
0.4
0.2
0

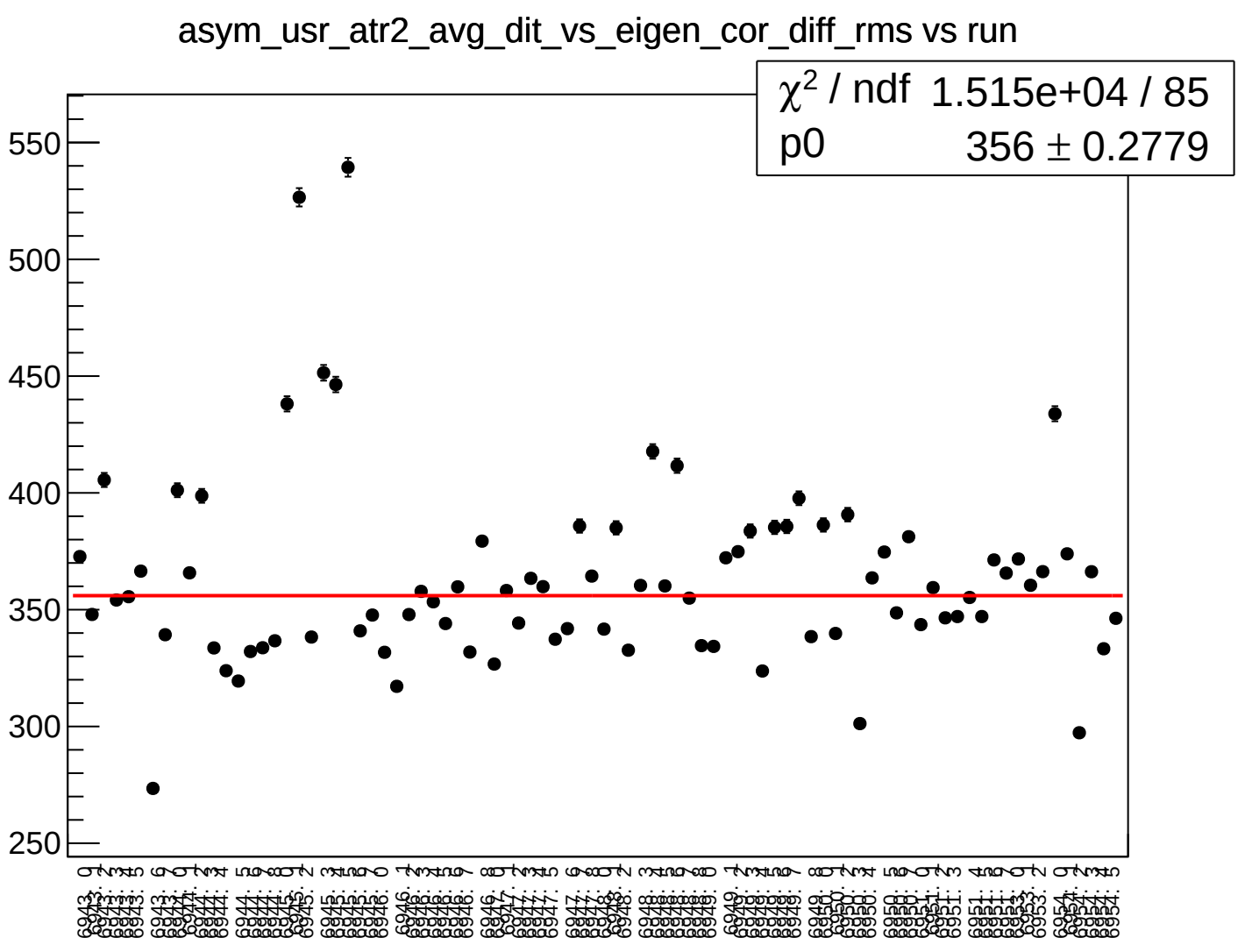

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.4681 ± 0.393
pull
Entries 86
Mean 24.97
Std Dev 0

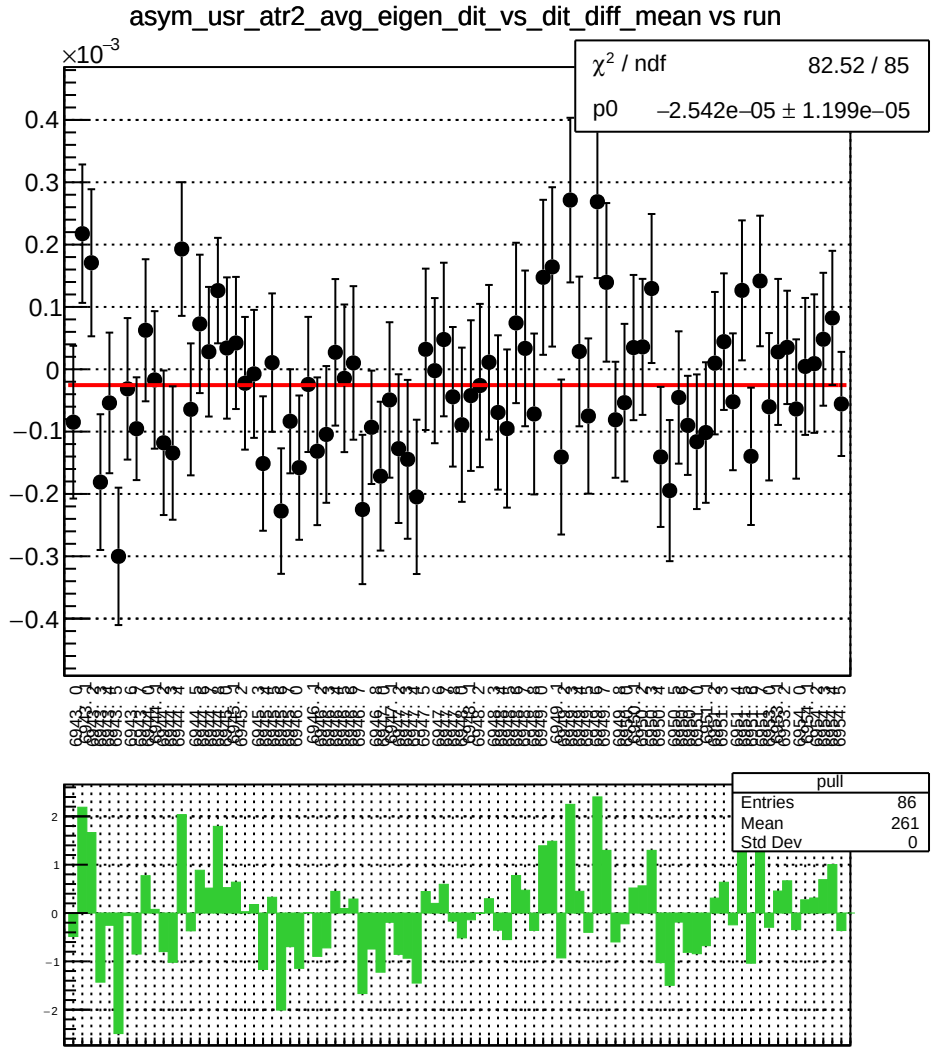

pull1D
Entries 86
Mean −0.0188
Std Dev 1.13

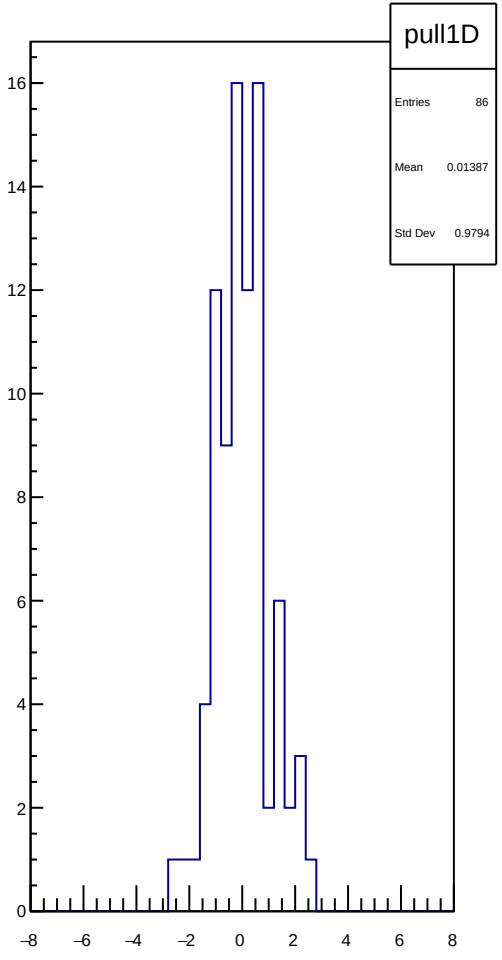

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.515e+04 / 85
p0 356 ± 0.2779
550
500
450
400
350
300
250

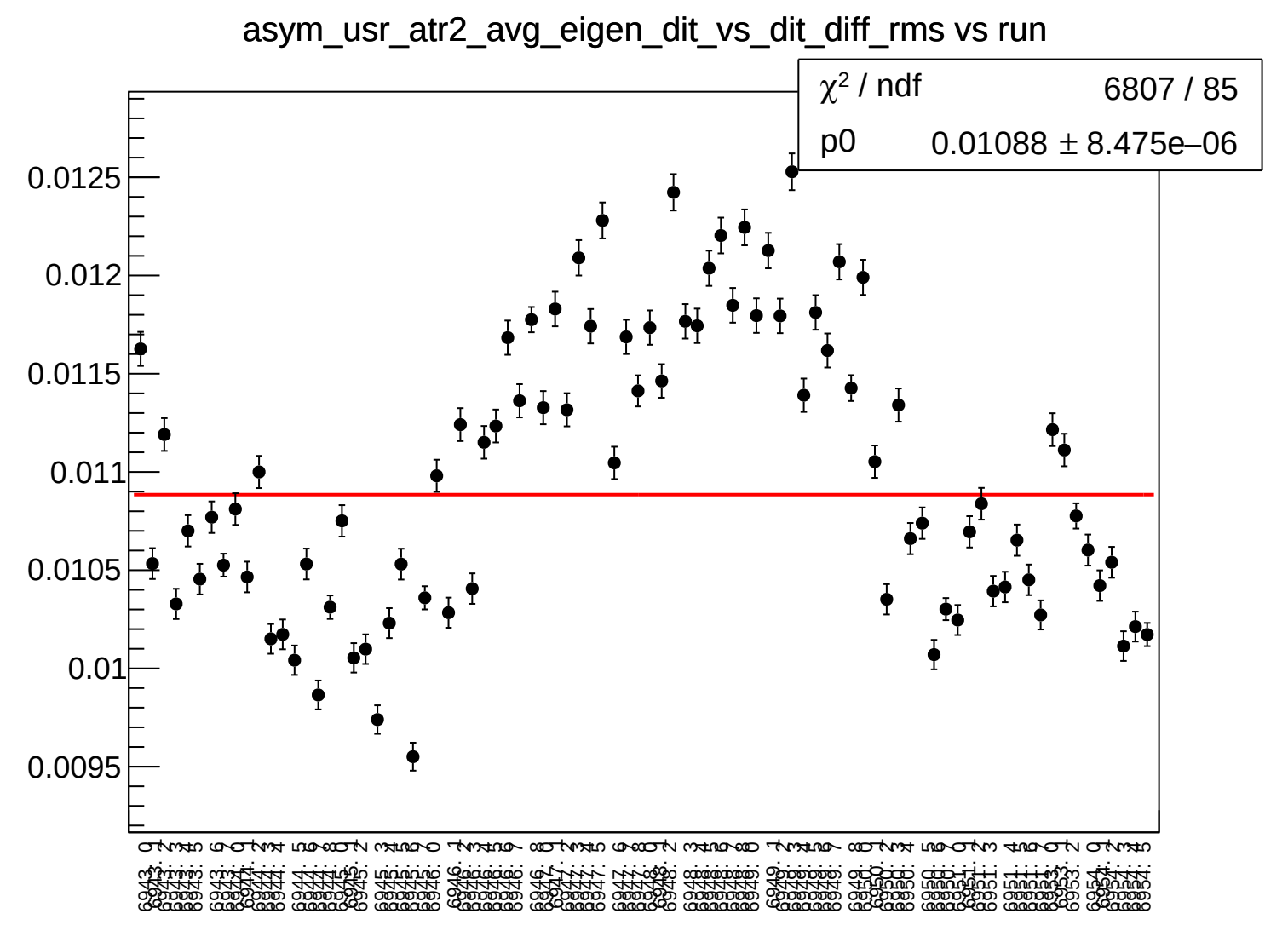

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.4681 ± 0.393
pull
Entries 86
Mean 24.97
Std Dev 0

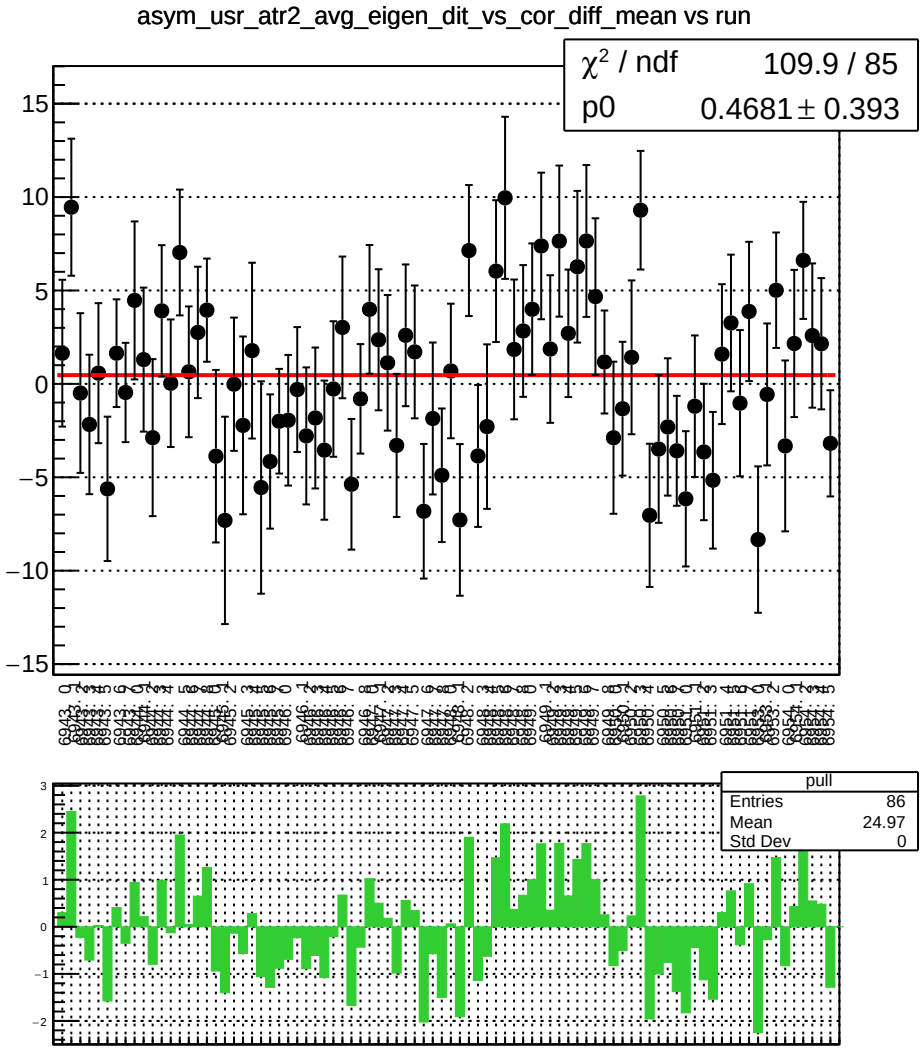

pull1D
Entries 86
Mean −0.0188
Std Dev 1.13

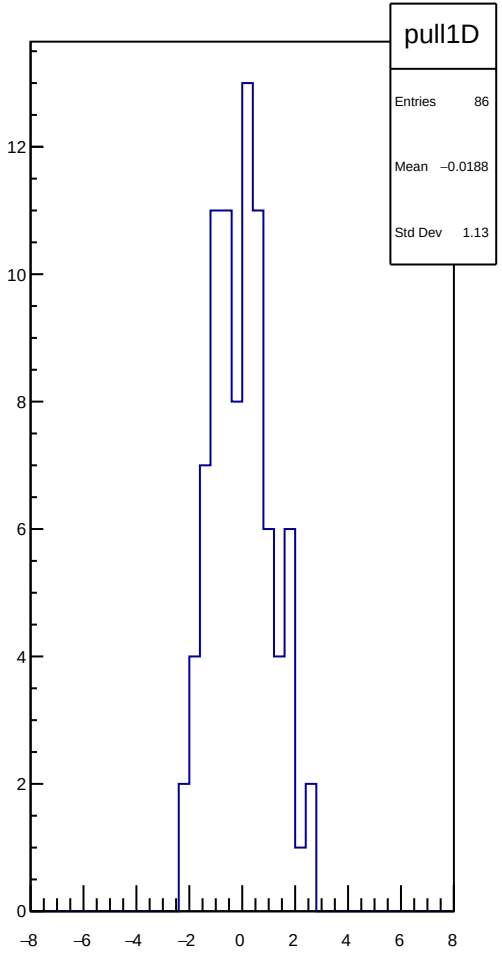

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.515e+04 / 85
p0 356 ± 0.2779
550
500
450
400
350
300
250

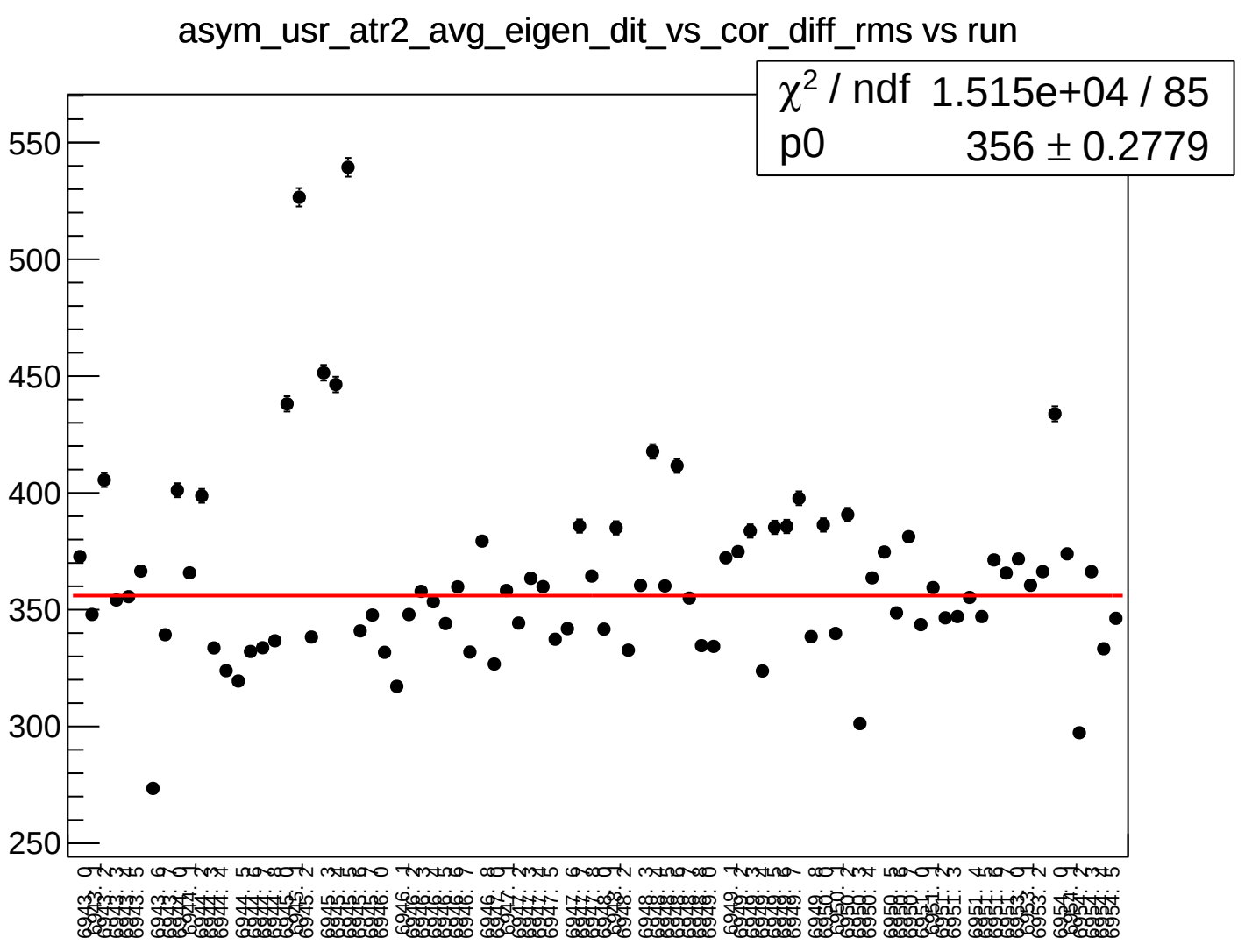

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.52 / 85
p0 −2.542e−05 ± 1.199e−05
pull
Entries 86
Mean 261
Std Dev 0

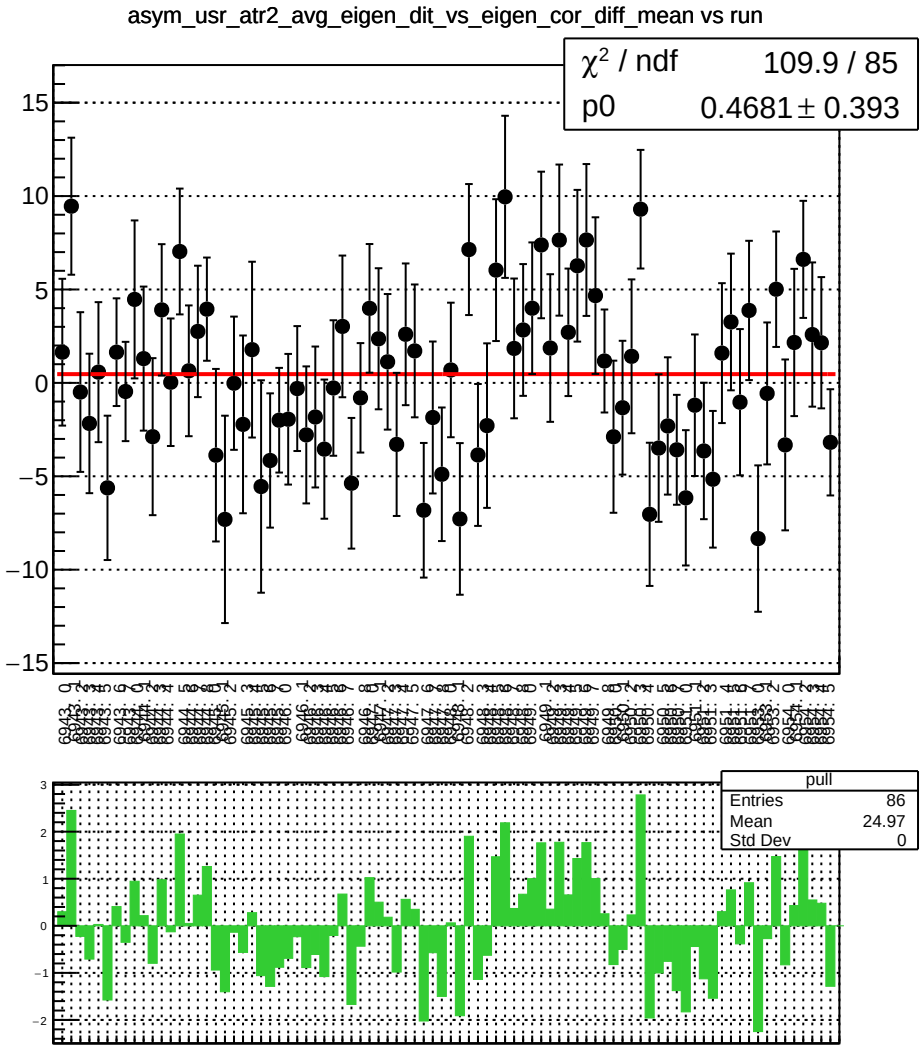

pull1D
Entries 86
Mean 0.01387
Std Dev 0.9794

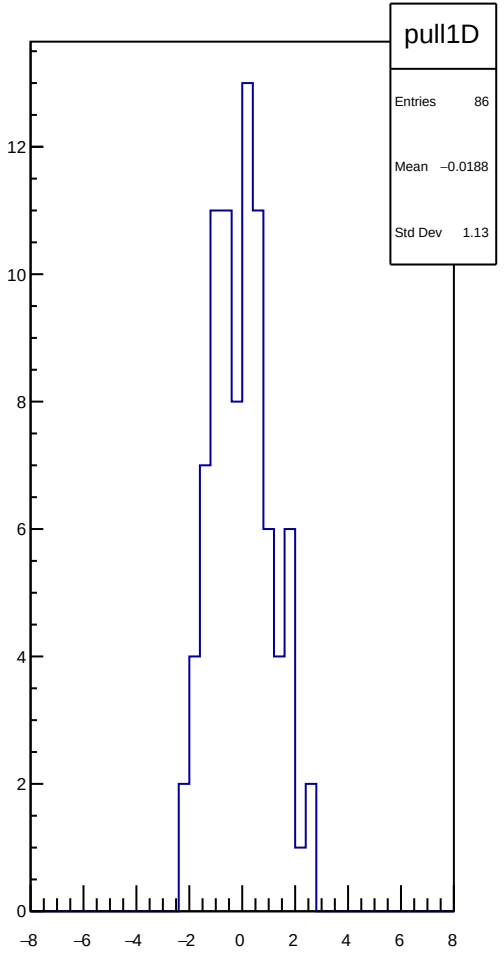

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6807 / 85
p0 0.01088 ± 8.475e−06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

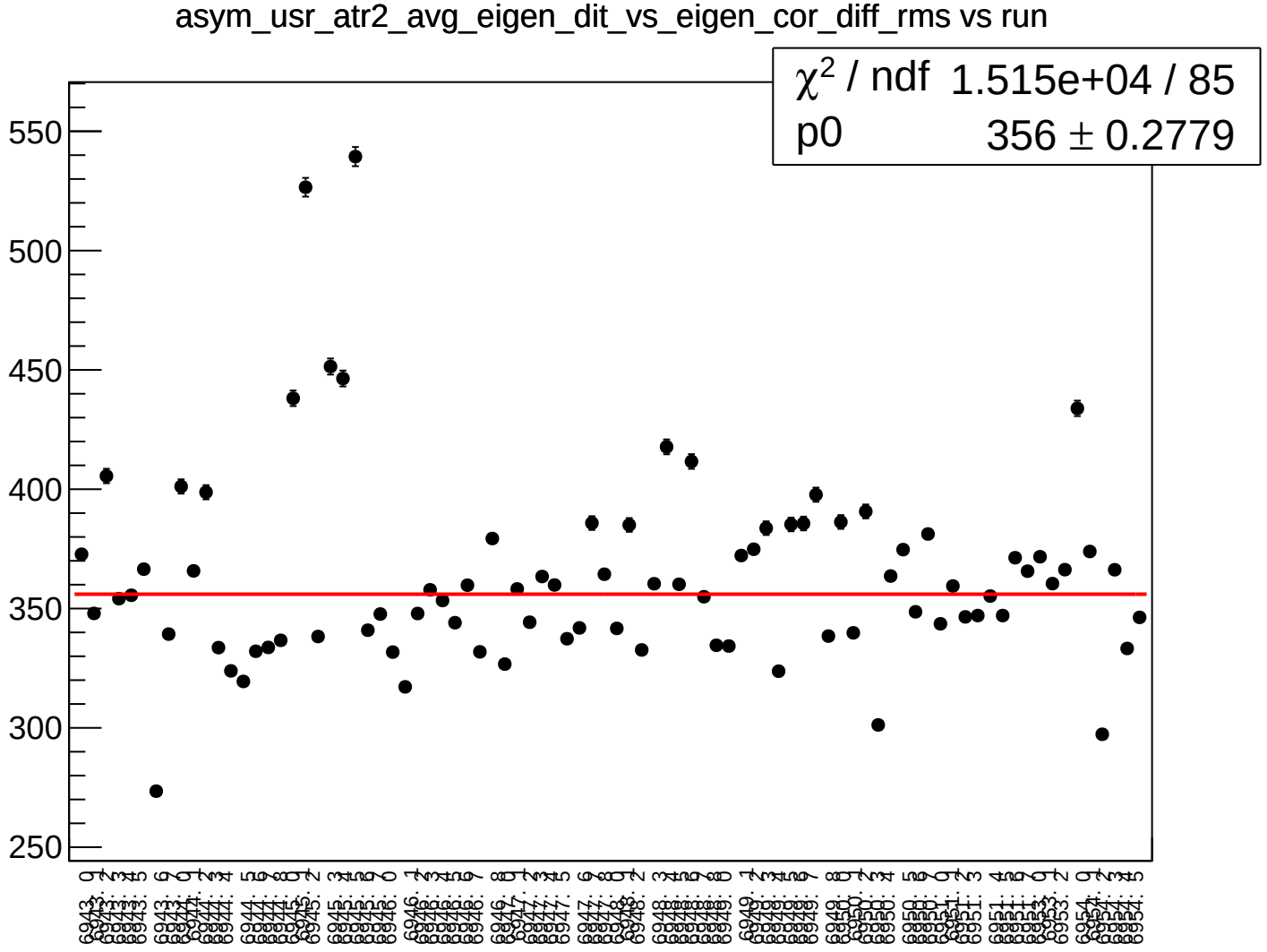

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.4681 ± 0.393
pull
Entries 86
Mean 24.97
Std Dev 0

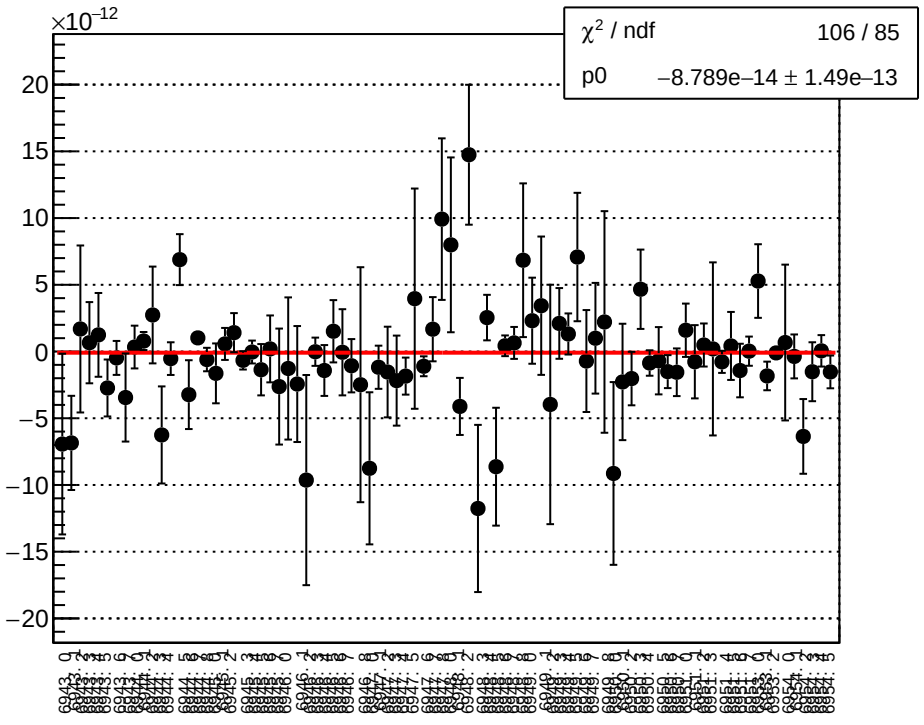

pull1D
Entries 86
Mean −0.0188
Std Dev 1.13

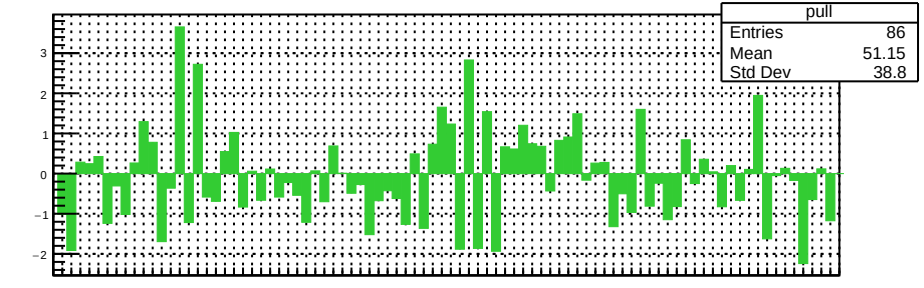

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.515e+04 / 85
p0 356 ± 0.2779
550
500
450
400
350
300
250

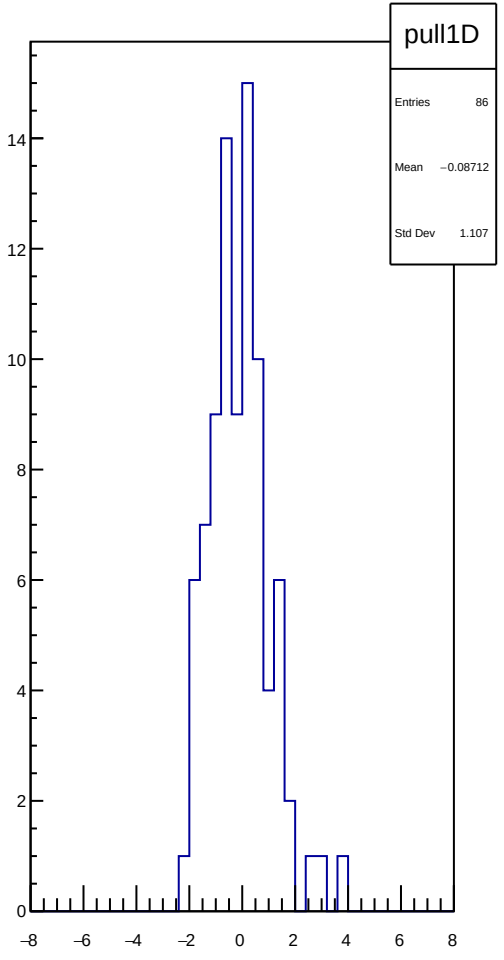

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.9 / 85
p0 0.4681 ± 0.393
pull
Entries 86
Mean 24.97
Std Dev 0

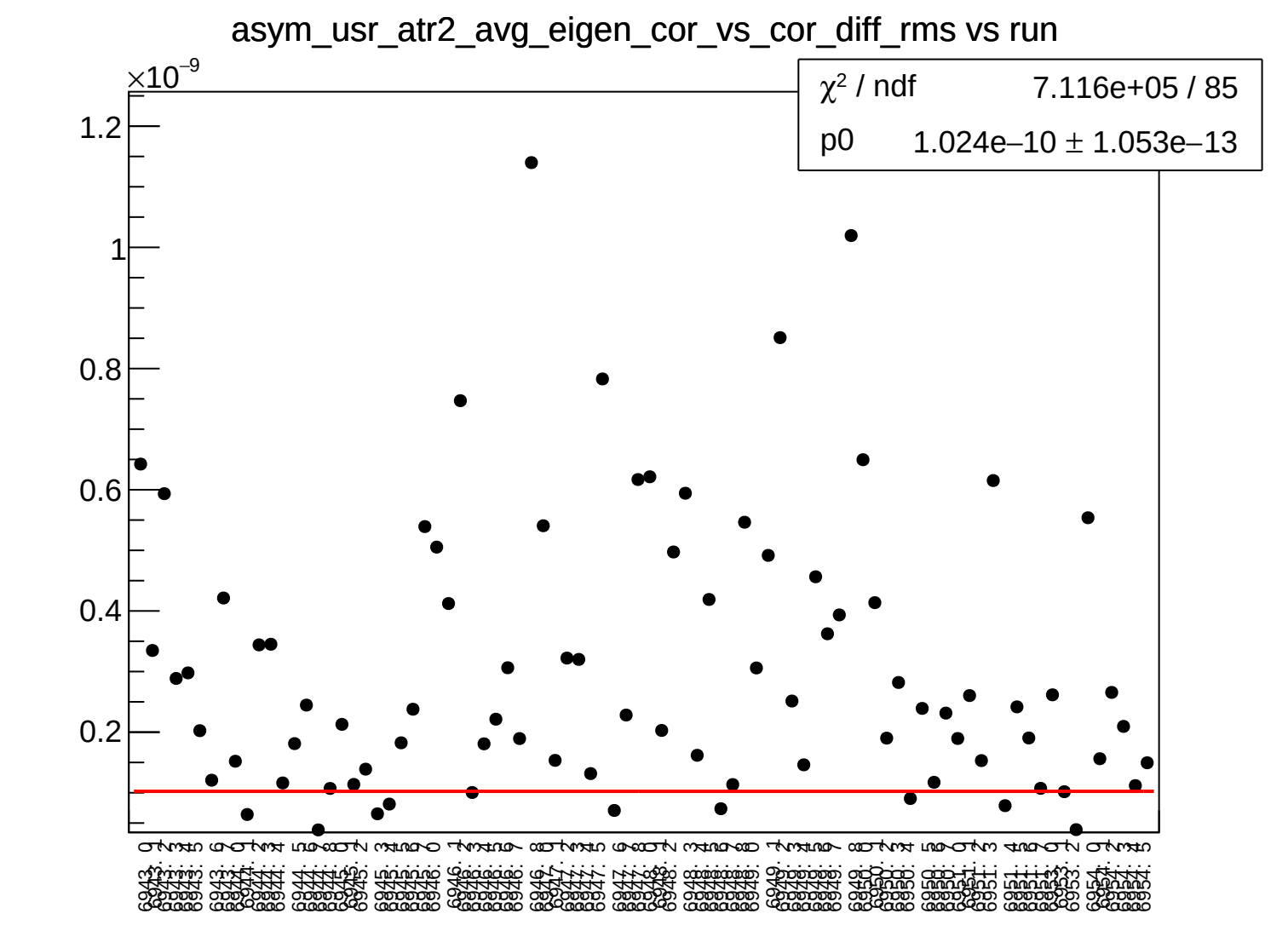

pull1D
Entries 86
Mean −0.0188
Std Dev 1.13

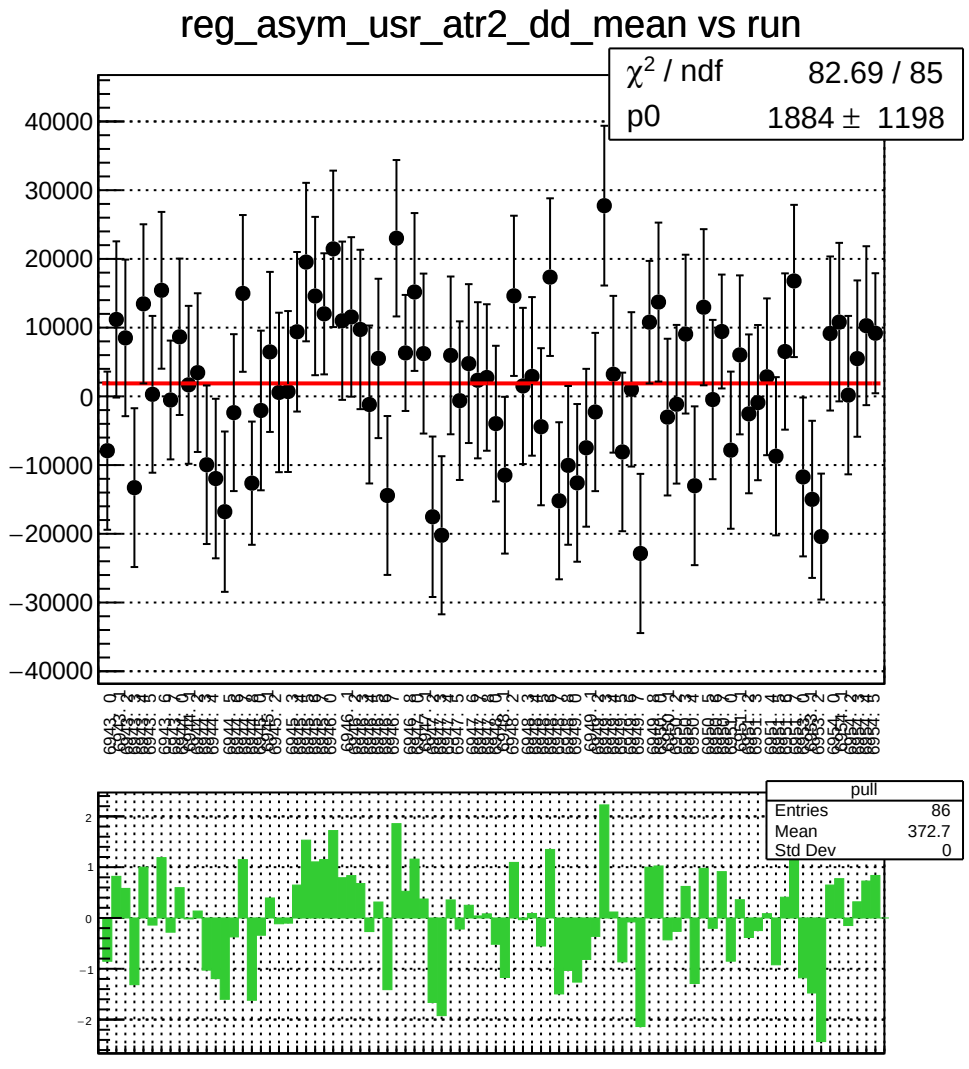

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.515e+04 / 85
p0 356 ± 0.2779
550
500
450
400
350
300
250

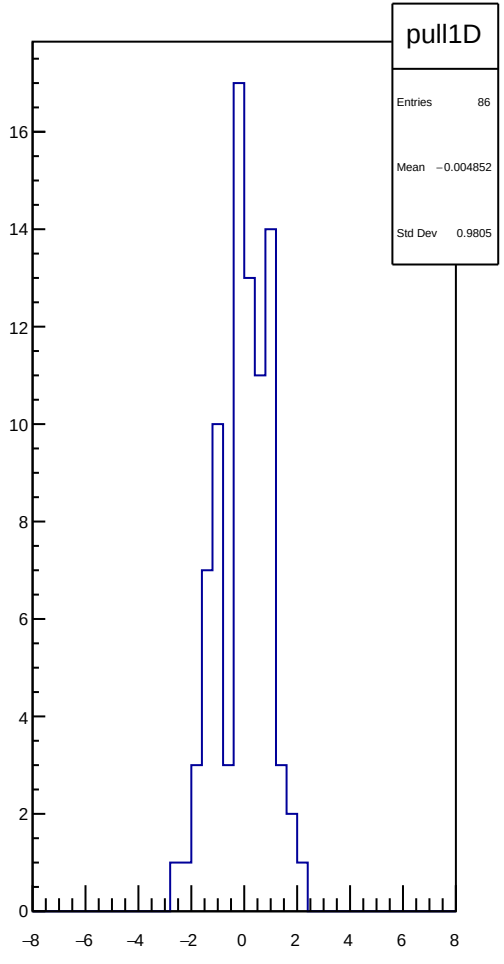

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 106 / 85
p0 −8.789e−14 ± 1.49e−13

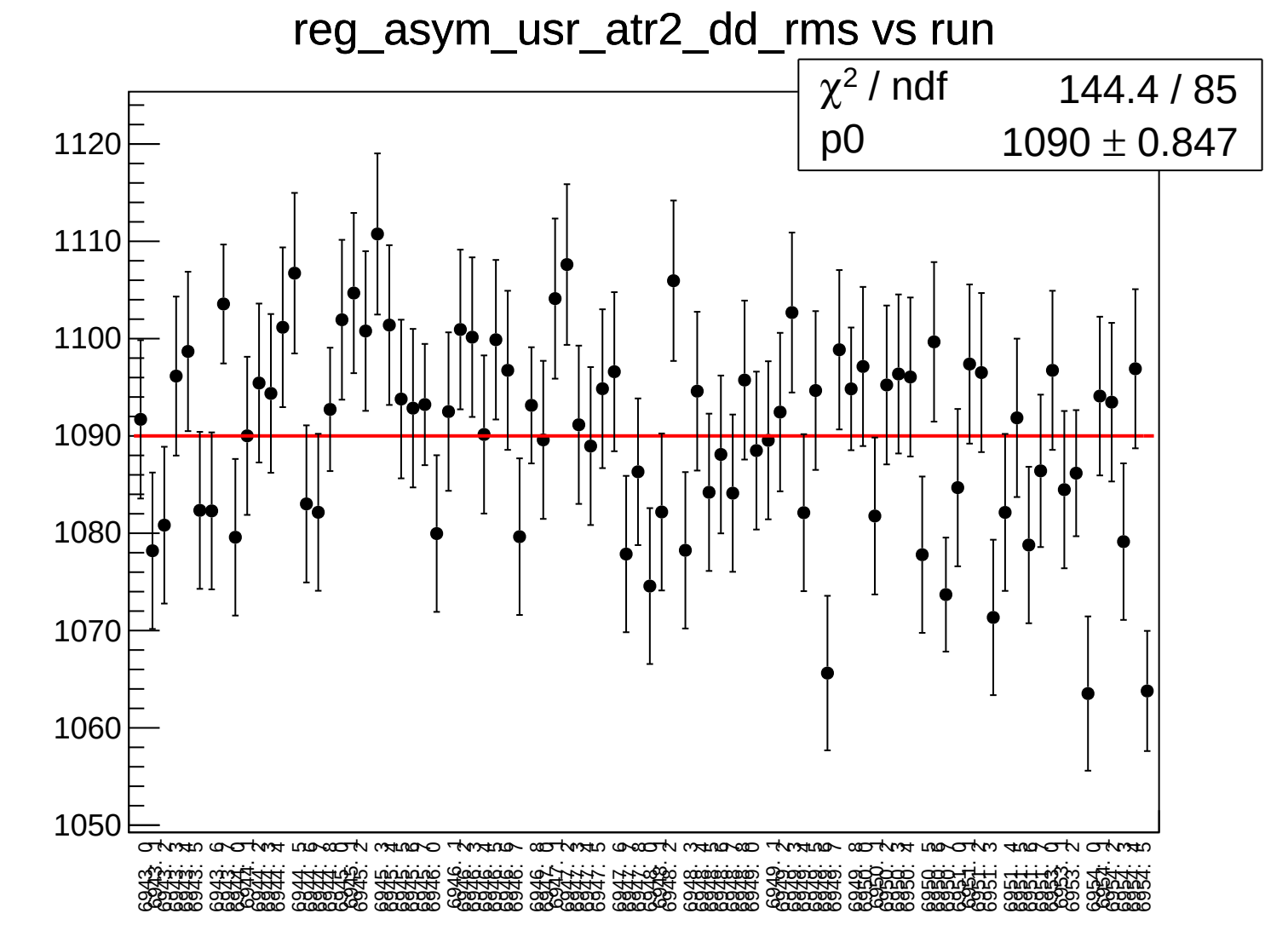

pull
Entries 86
Mean 51.15
Std Dev 38.8

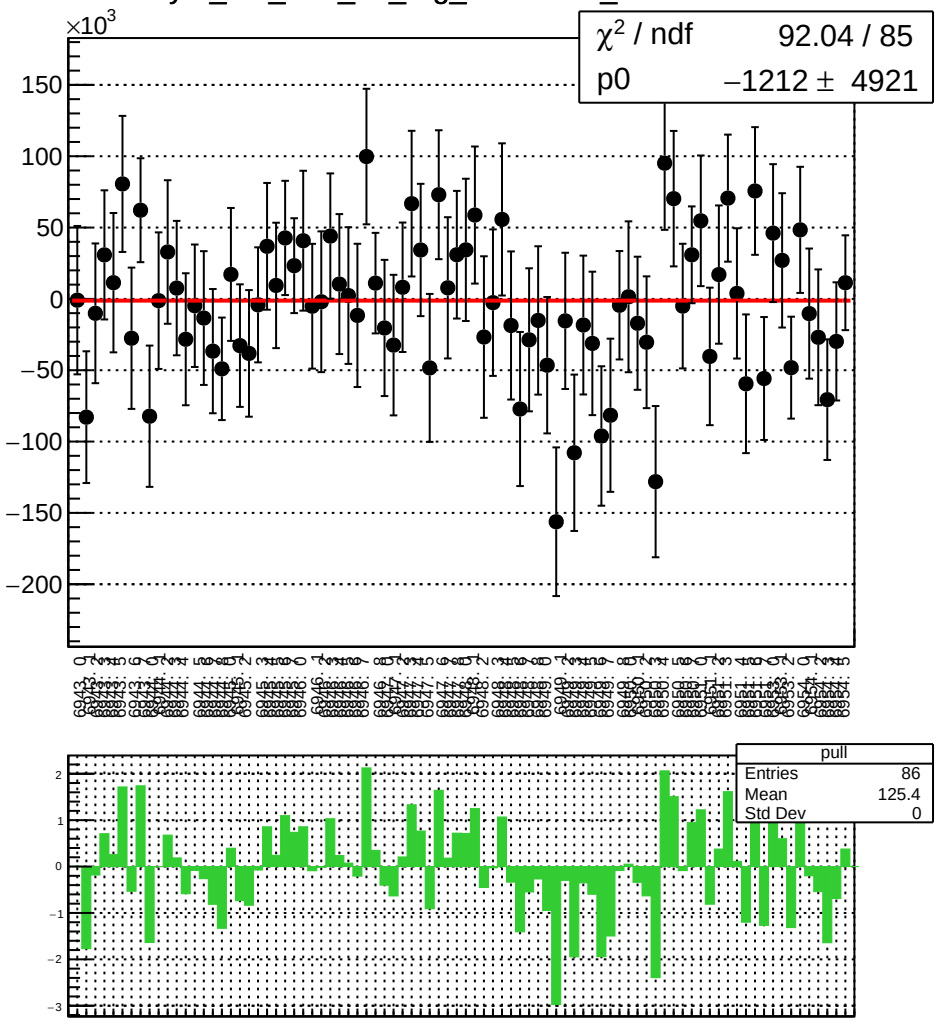

pull1D
Entries 86
Mean −0.08712
Std Dev 1.107

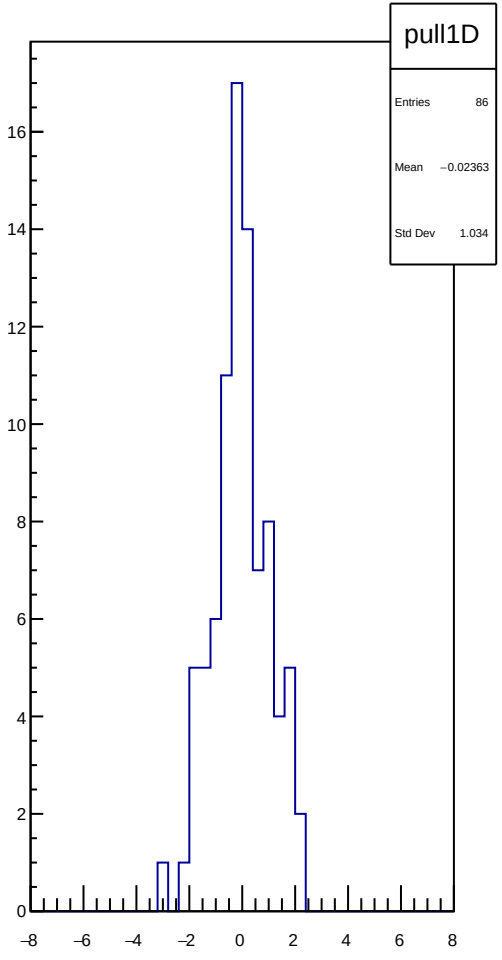

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.116e+05 / 85
p0 1.024e−10 ± 1.053e−13
1.2
1
0.8
0.6
0.4
0.2

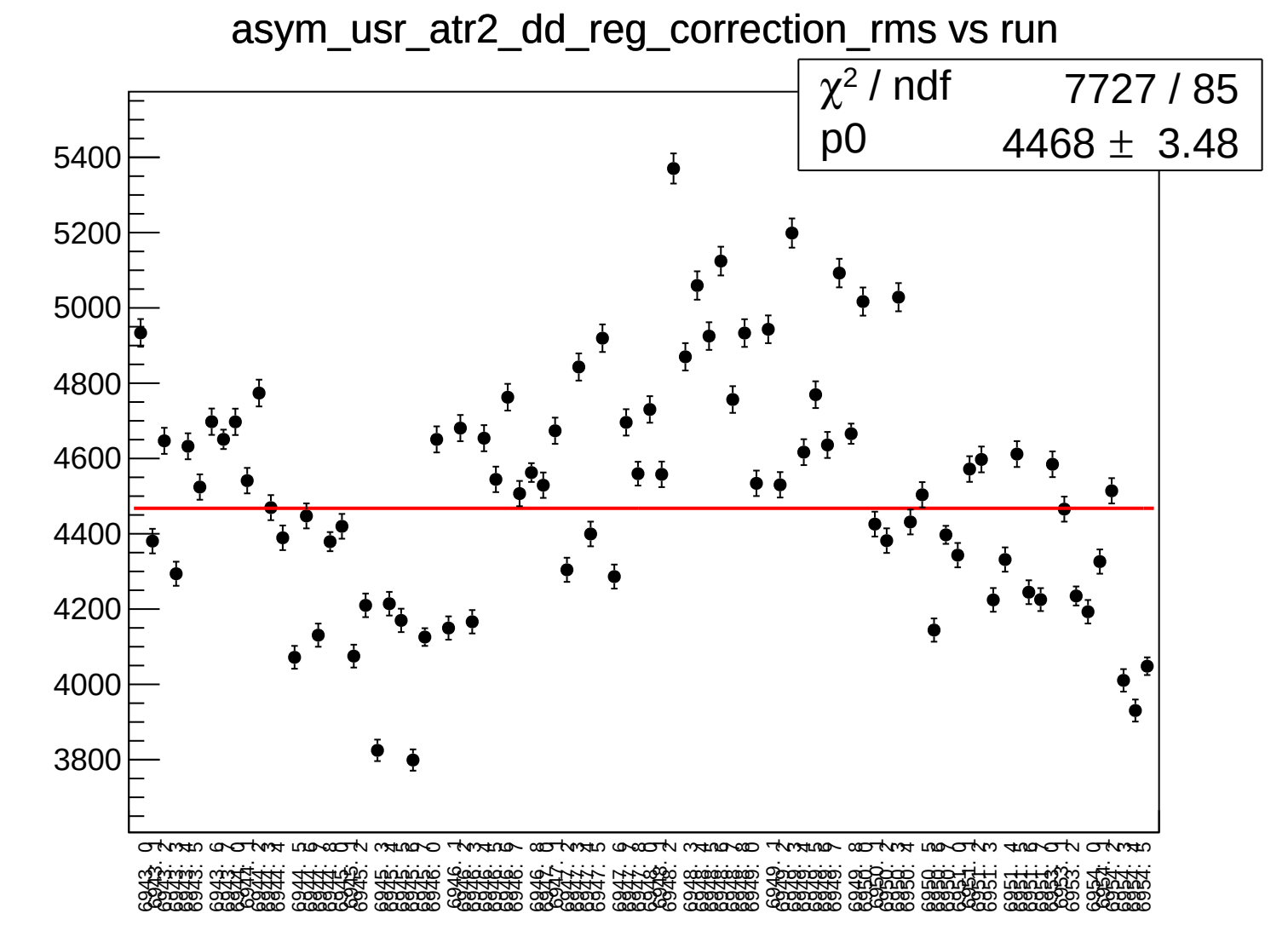

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 82.69 / 85
p0 1884 ± 1198
pull
Entries 86
Mean 372.7
Std Dev 0

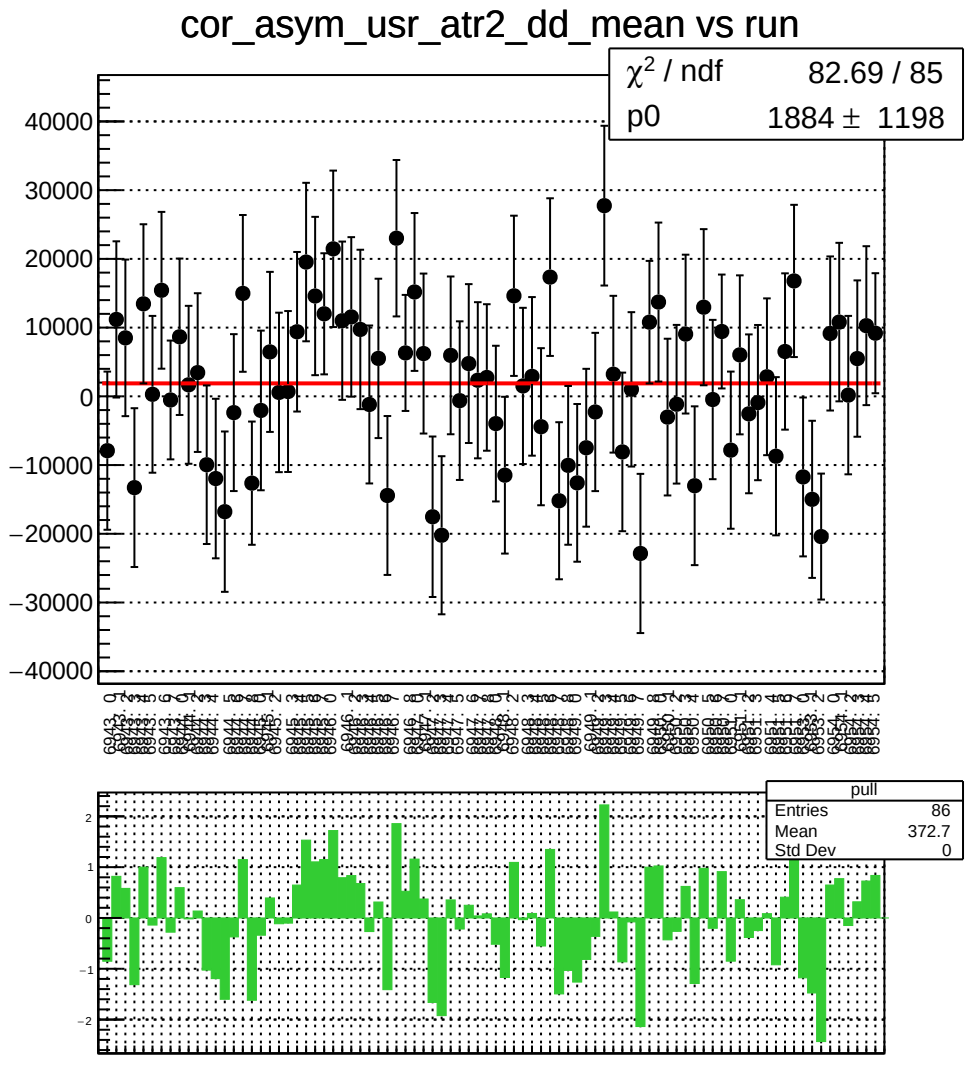

pull1D
Entries 86
Mean −0.004852
Std Dev 0.9805

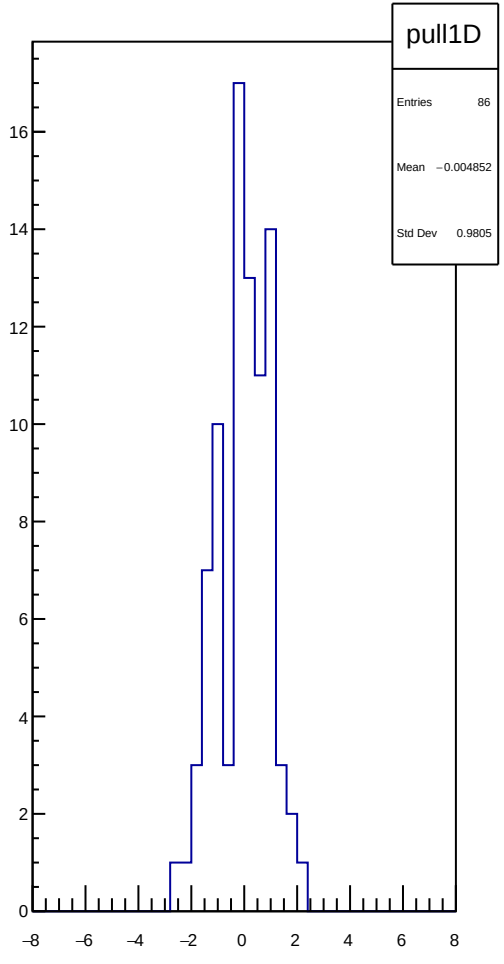

reg_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 144.4 / 85
p0 1090 ± 0.847
1120
1110
1100
1090
1080
1070
1060
1050

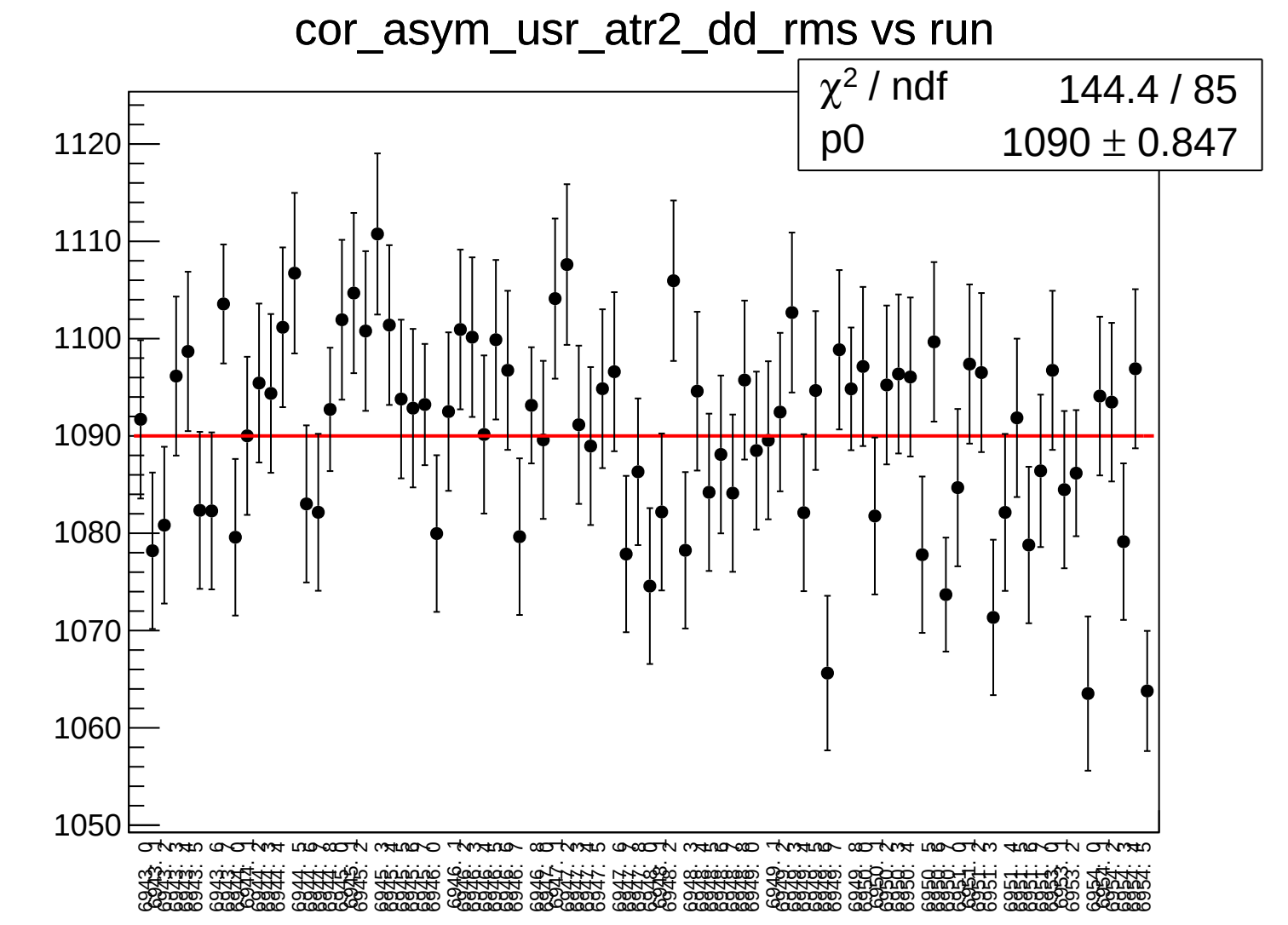

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −1212 ± 4921
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 125.4
Std Dev 0
2
1
0
−1
−2
−3

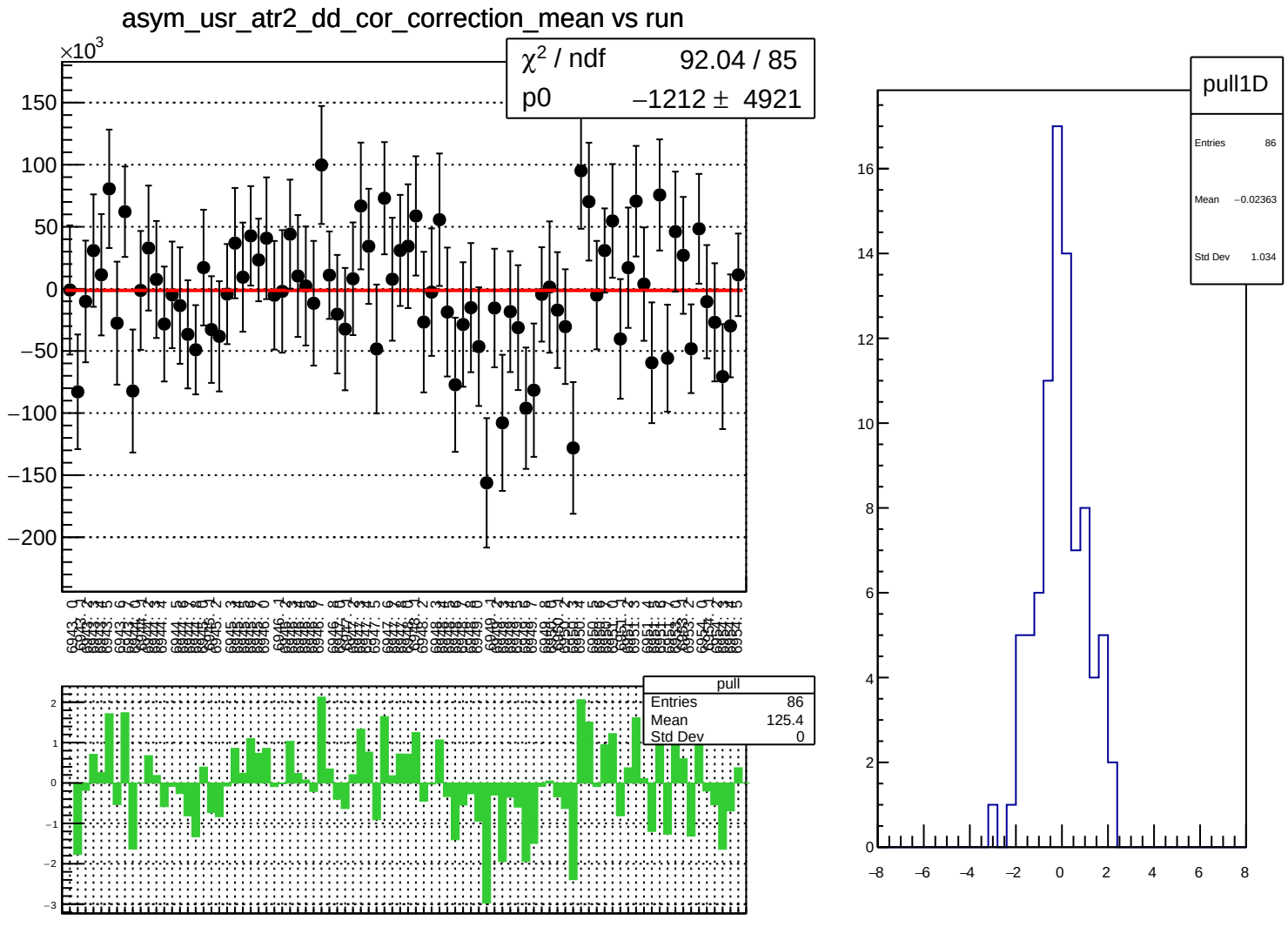

pull1D
Entries 86
Mean −0.02363
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

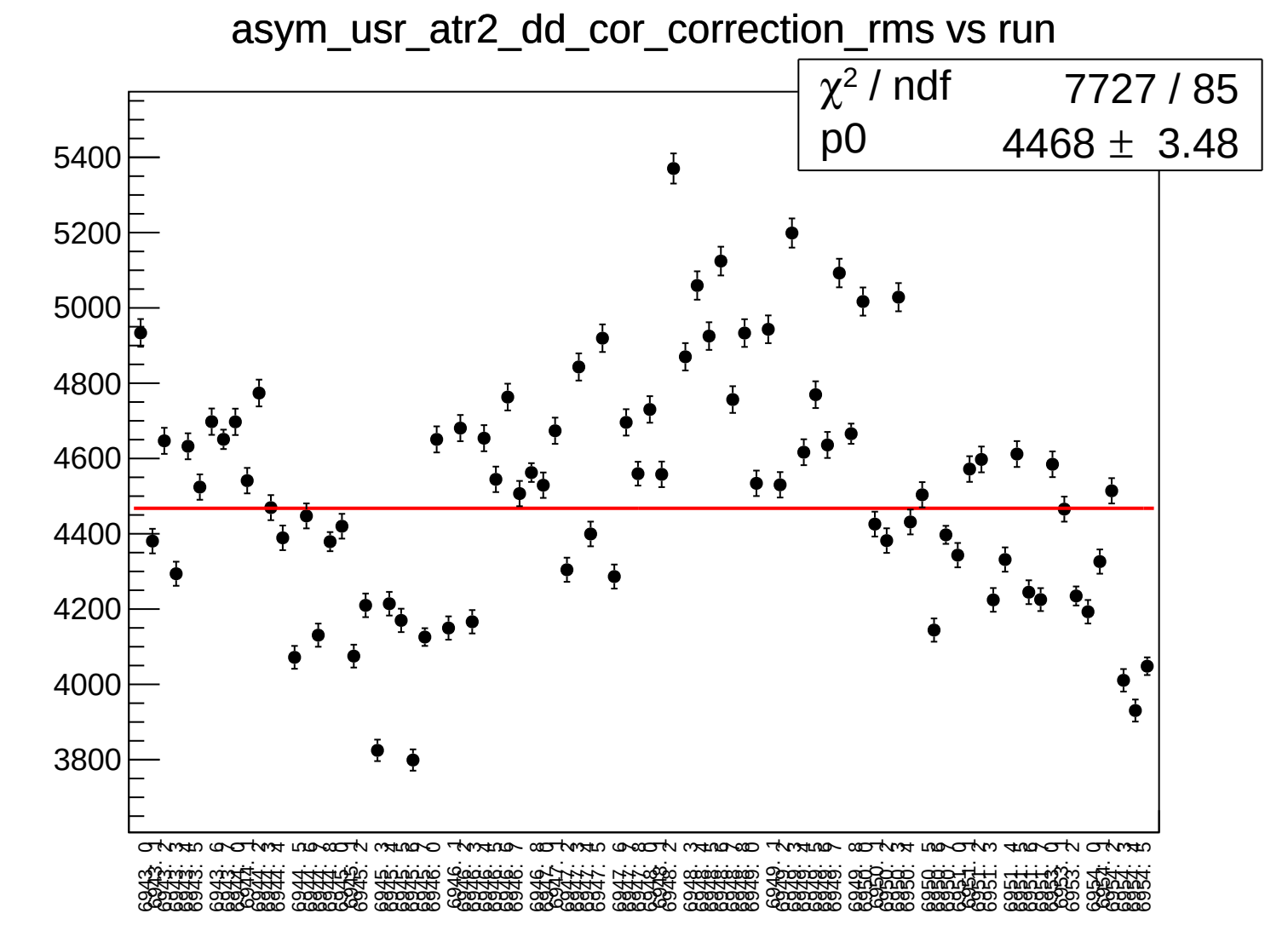

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 7727 / 85
p0 4468 ± 3.48
5400
5200
5000
4800
4600
4400
4200
4000
3800

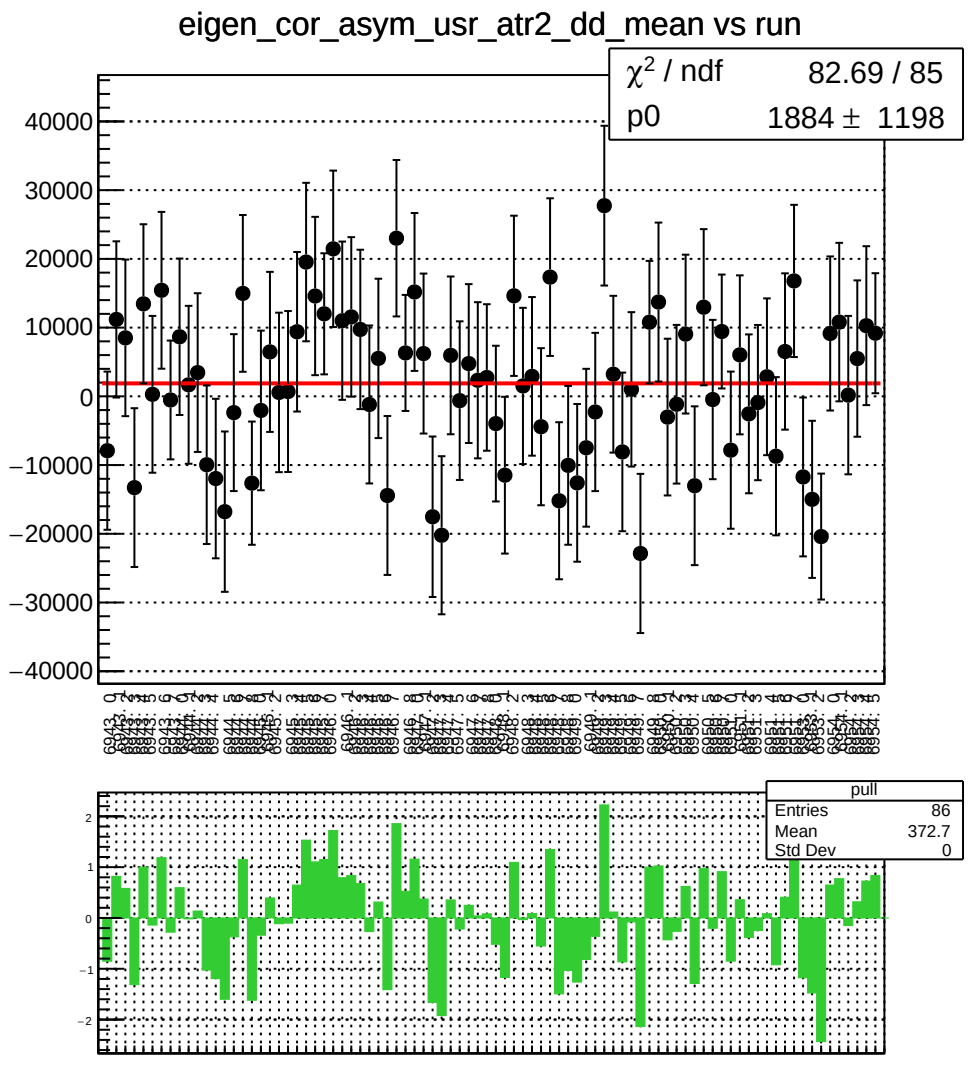

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 82.69 / 85
p0 1884 ± 1198
pull
Entries 86
Mean 372.7
Std Dev 0

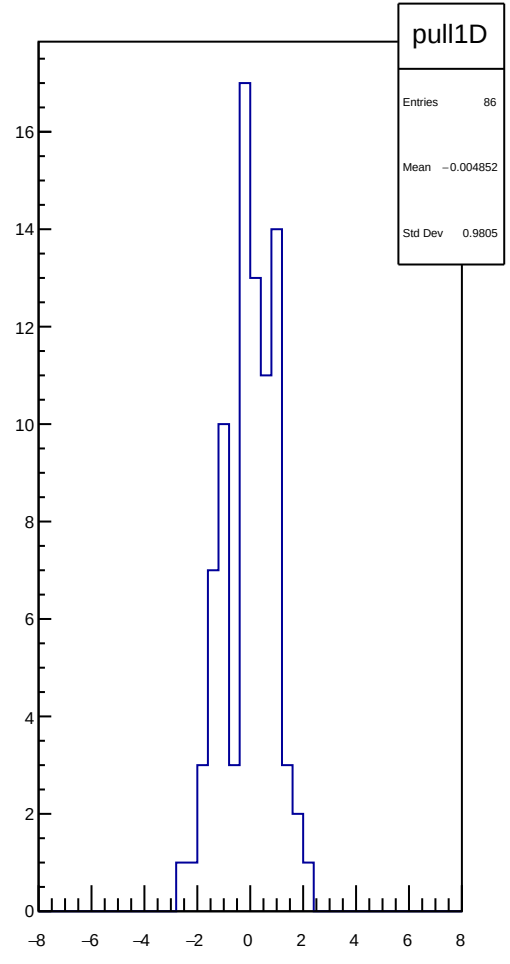

pull1D
Entries 86
Mean −0.004852
Std Dev 0.9805

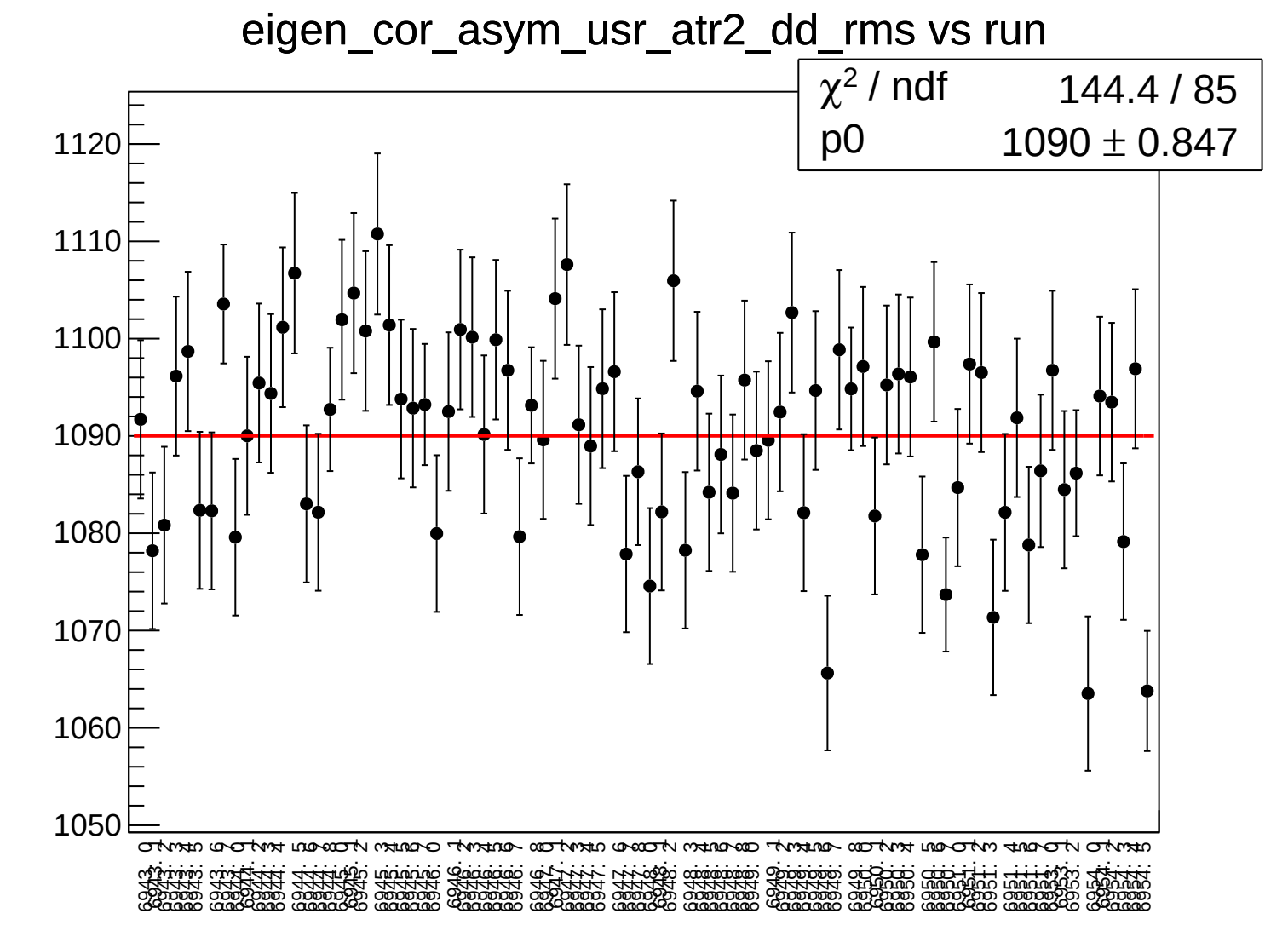

cor_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 144.4 / 85
p0 1090 ± 0.847
1120
1110
1100
1090
1080
1070
1060
1050

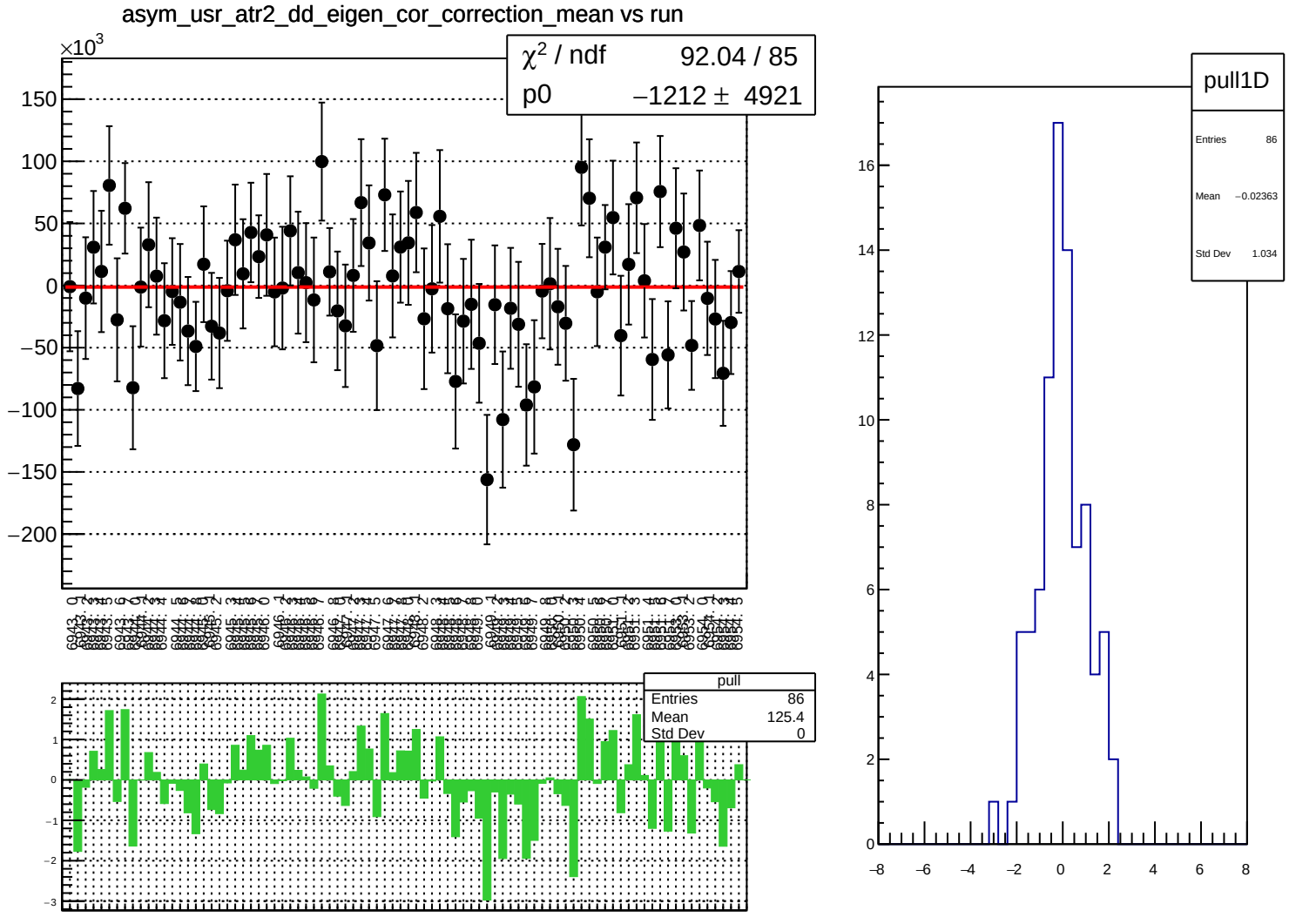

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −1212 ± 4921
pull
Entries 86
Mean 125.4
Std Dev 0
pull1D
Entries 86
Mean −0.02363
Std Dev 1.034

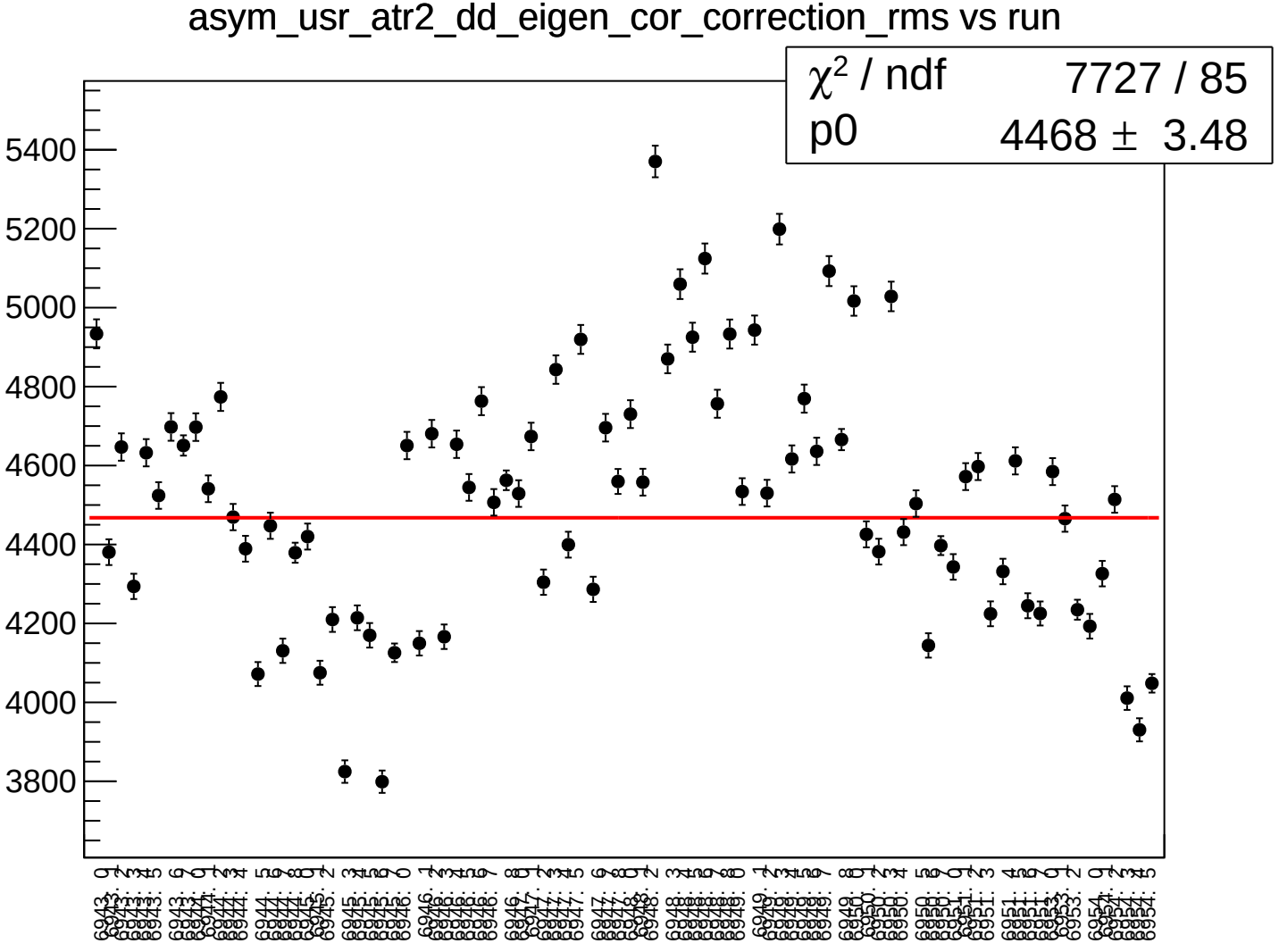

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 7727 / 85
p0 4468 ± 3.48
5400
5200
5000
4800
4600
4400
4200
4000
3800

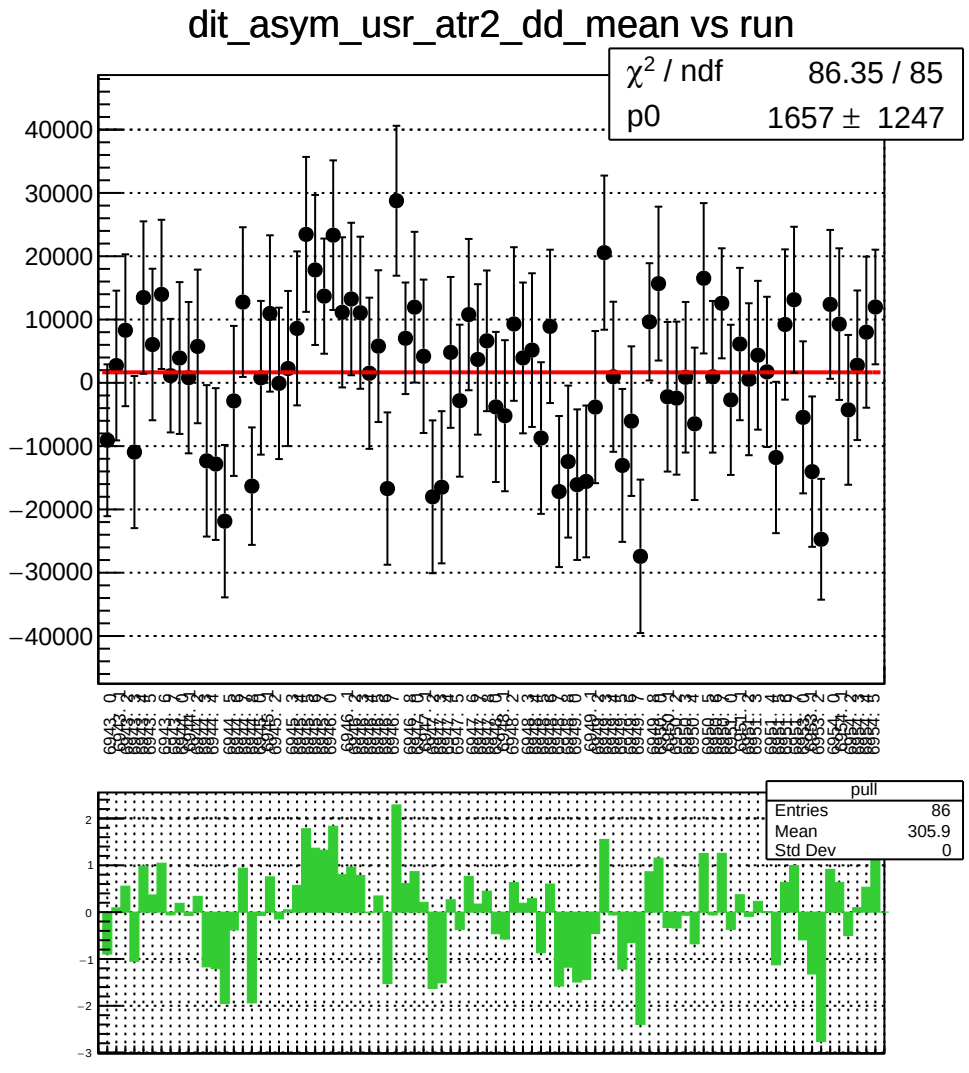

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 82.69 / 85
p0 1884 ± 1198
pull
Entries 86
Mean 372.7
Std Dev 0

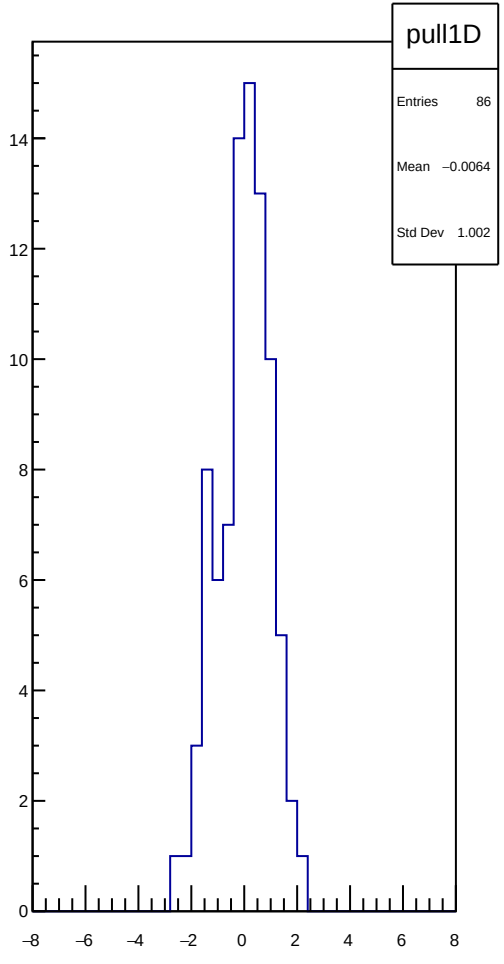

pull1D
Entries 86
Mean −0.004852
Std Dev 0.9805

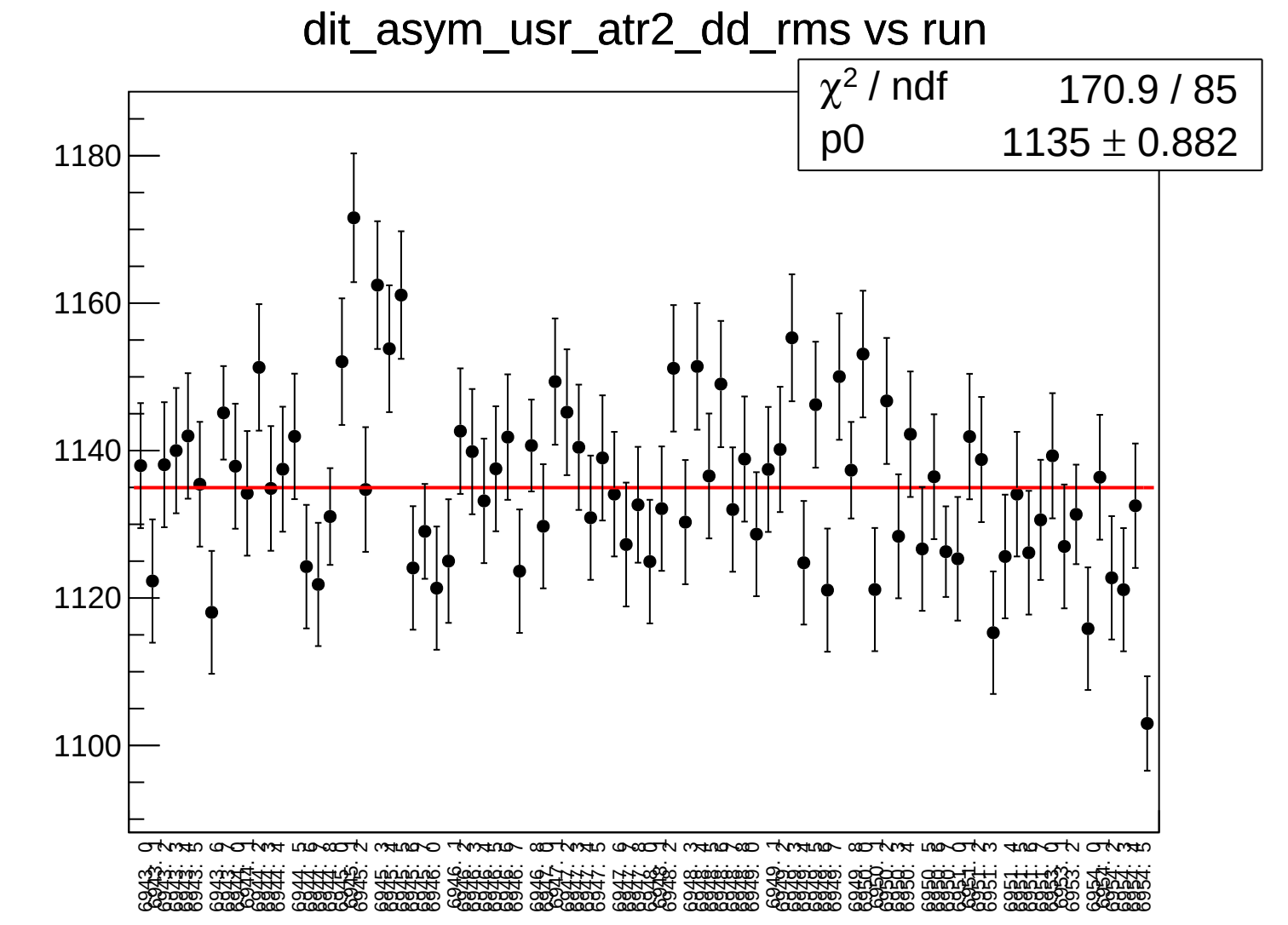

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 144.4 / 85
p0 1090 ± 0.847
1120
1110
1100
1090
1080
1070
1060
1050

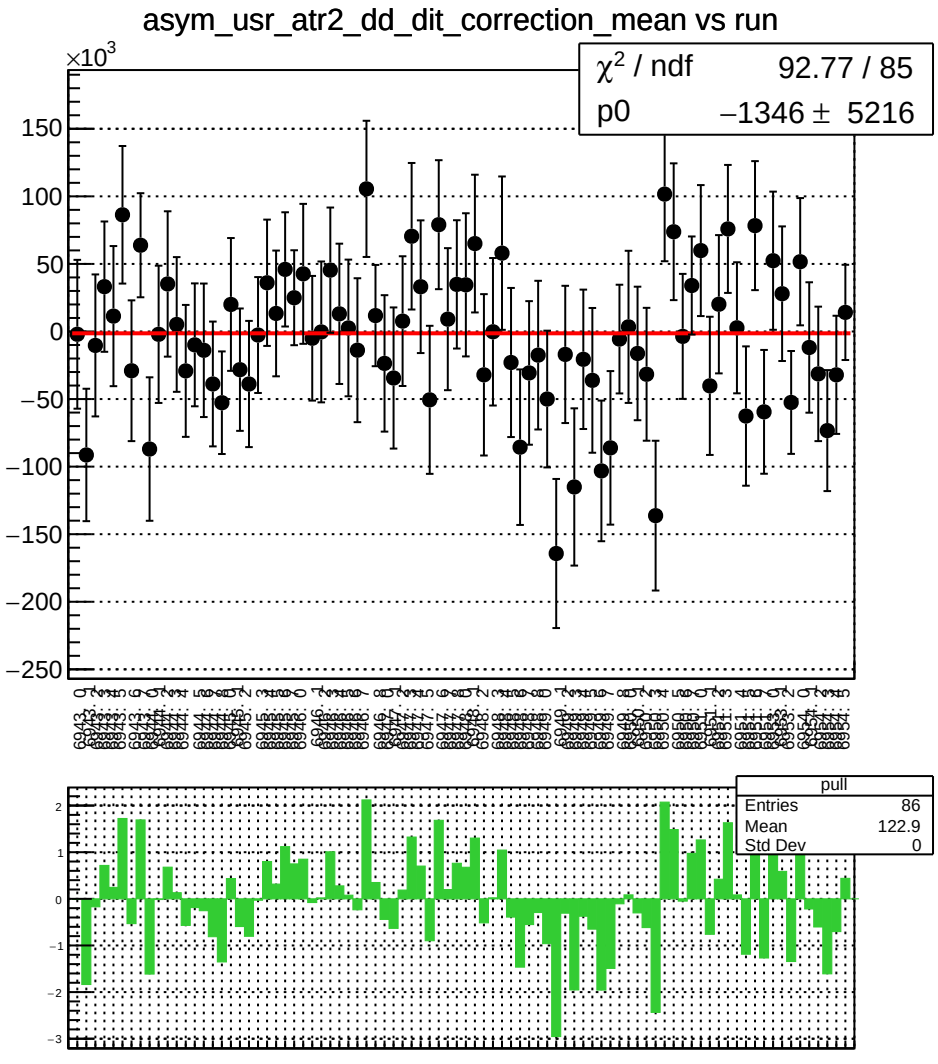

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.04 / 85
p0 −1212 ± 4921
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 125.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02363
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

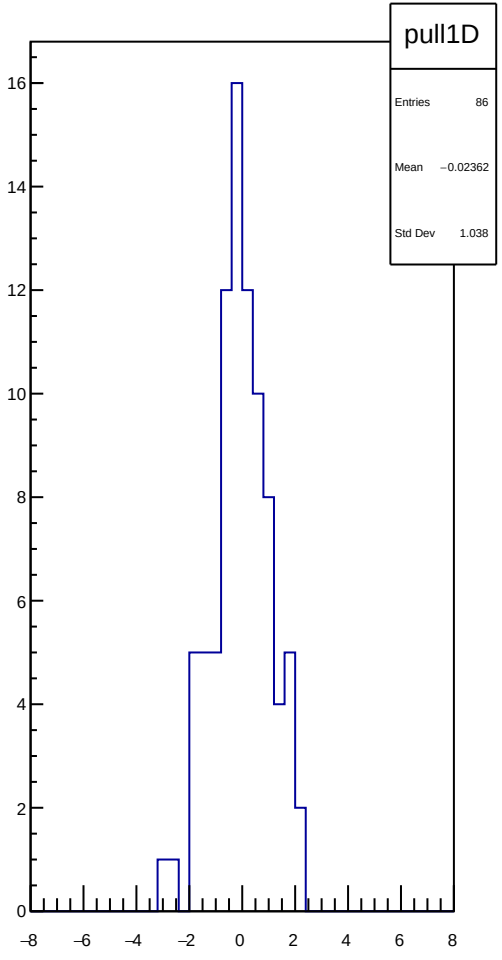

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7727 / 85
p0 4468 ± 3.48
5400
5200
5000
4800
4600
4400
4200
4000
3800

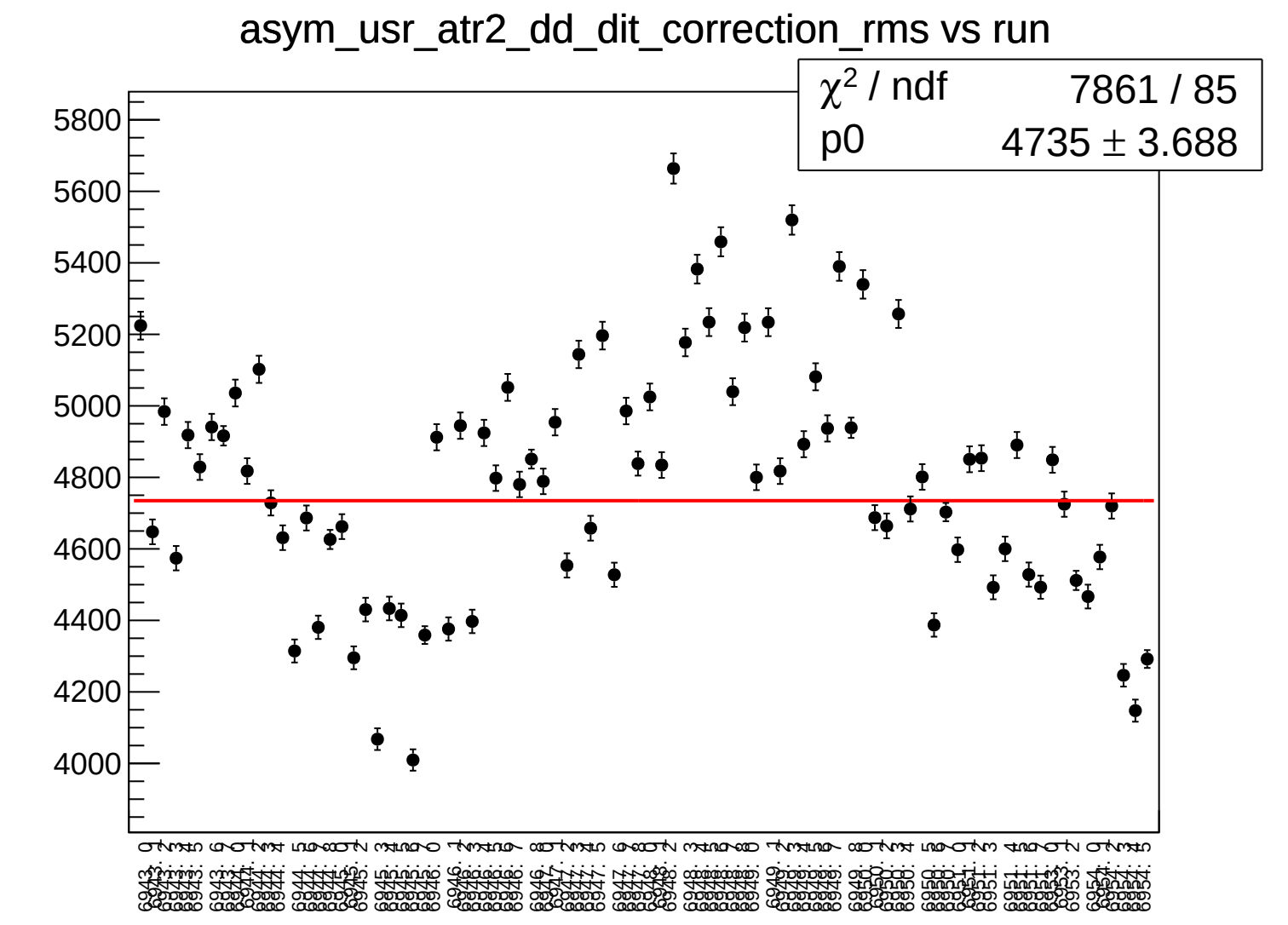

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 86.35 / 85
p0 1657 ± 1247
pull
Entries 86
Mean 305.9
Std Dev 0

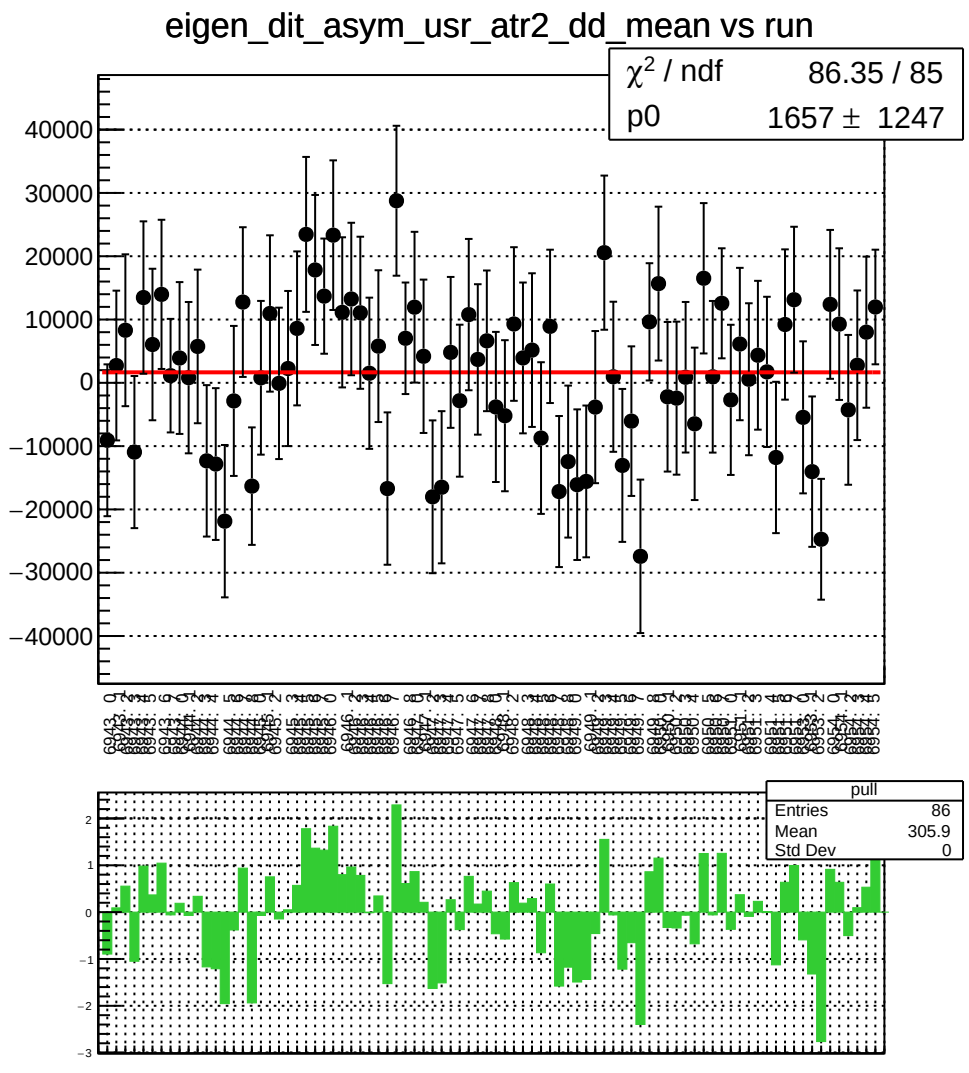

pull1D
Entries 86
Mean −0.0064
Std Dev 1.002

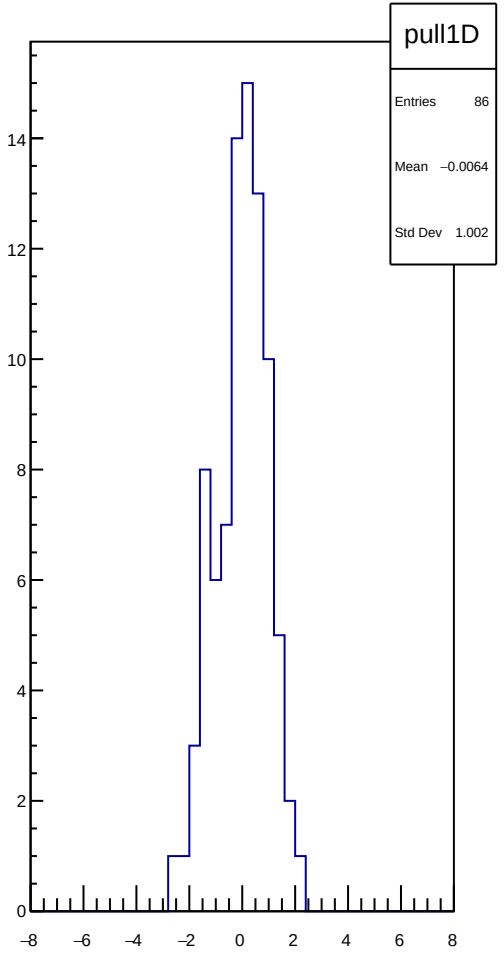

dit_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 170.9 / 85
p0 1135 ± 0.882
1180
1160
1140
1120
1100

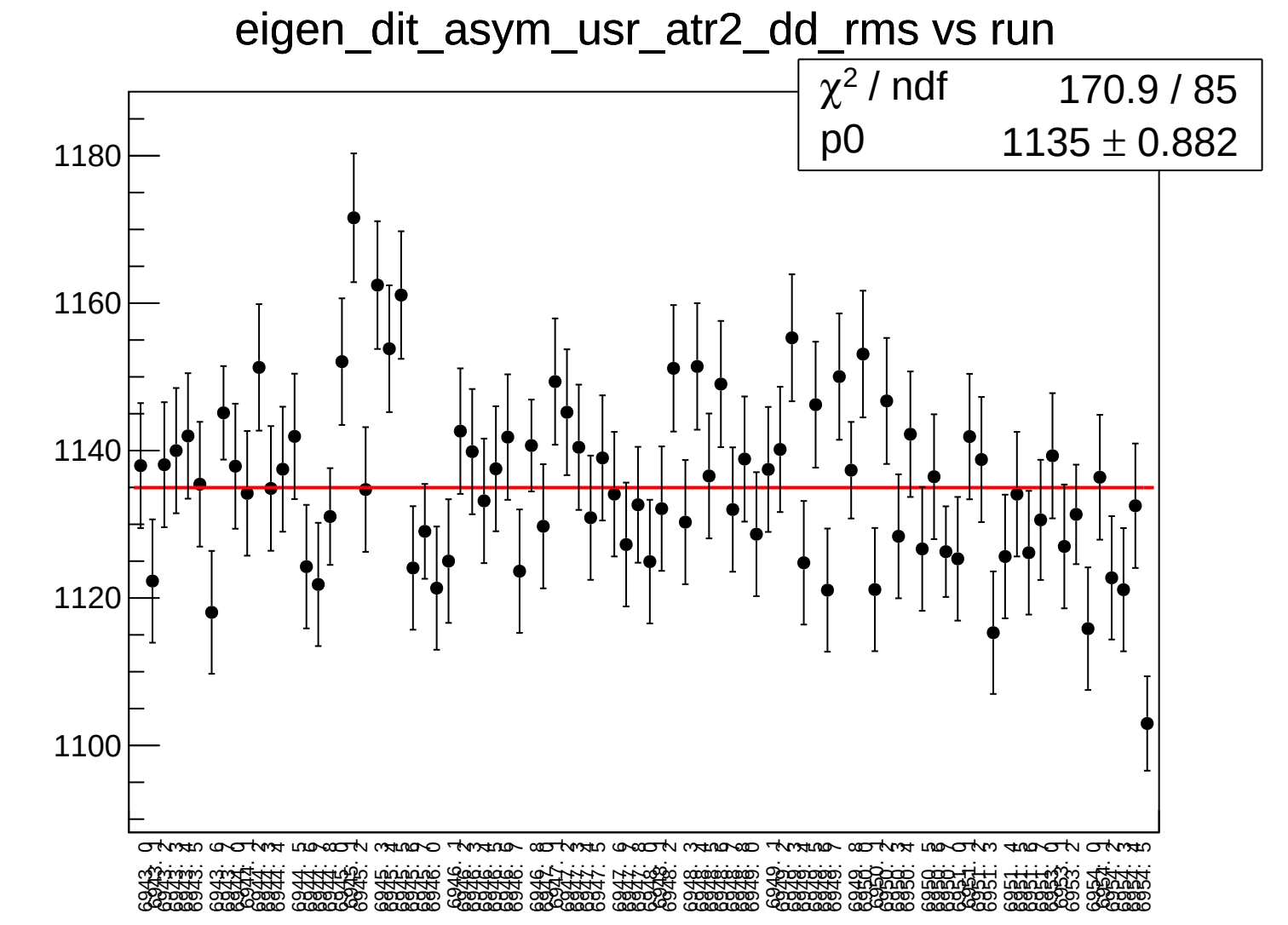

asym_usr_atr2_dd_dit_correction_mean vs run
χ² / ndf 92.77 / 85
p0 −1346 ± 5216
×10³
pull
Entries 86
Mean 122.9
Std Dev 0

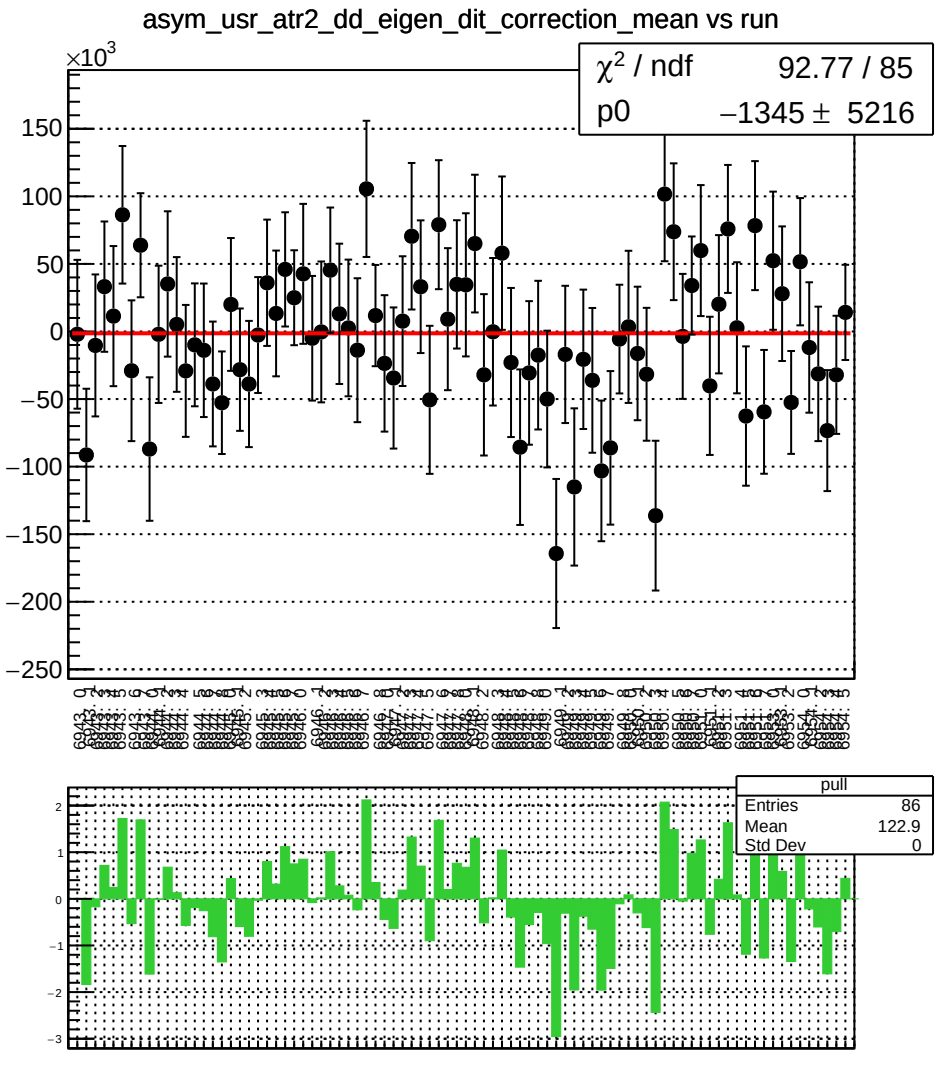

pull1D
Entries 86
Mean −0.02362
Std Dev 1.038

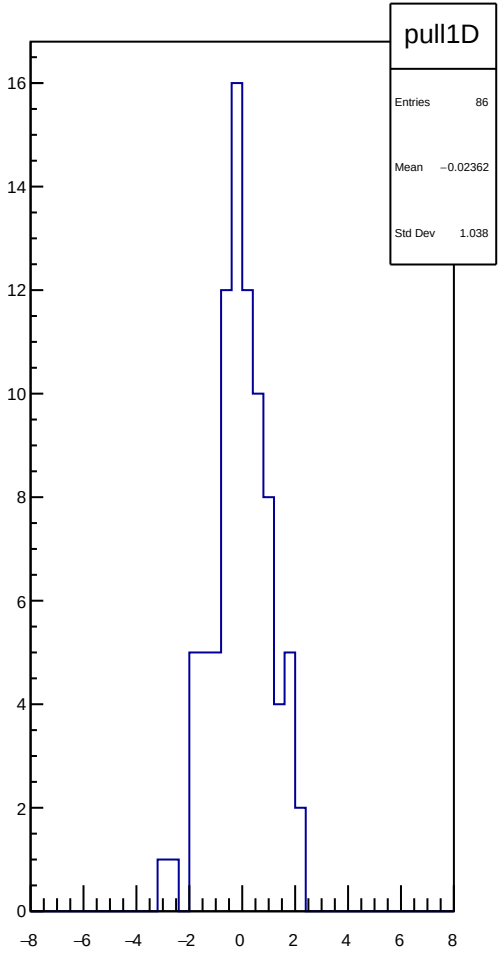

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 7861 / 85
p0 4735 ± 3.688
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

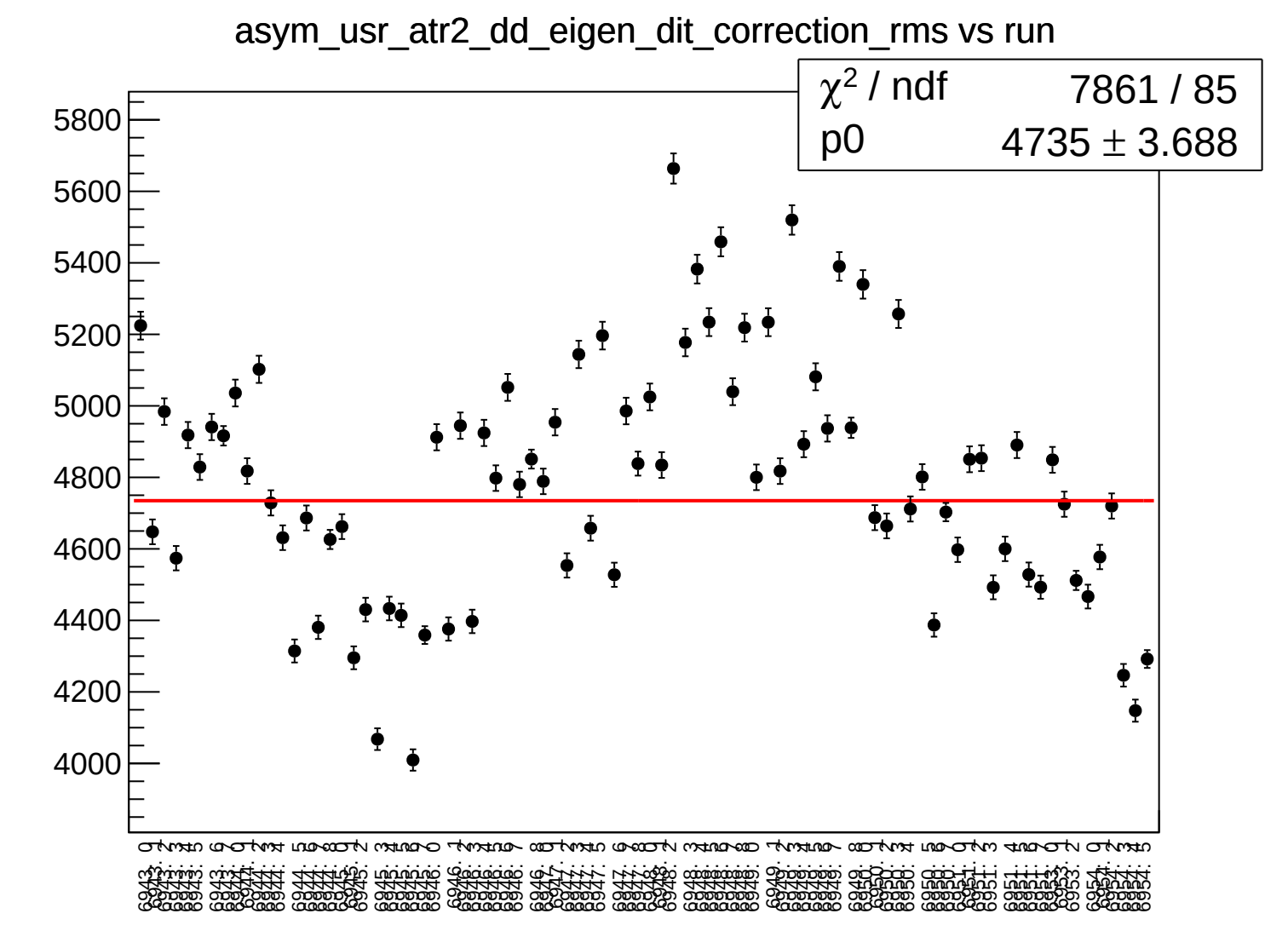

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 86.35 / 85
p0 1657 ± 1247
pull
Entries 86
Mean 305.9
Std Dev 0

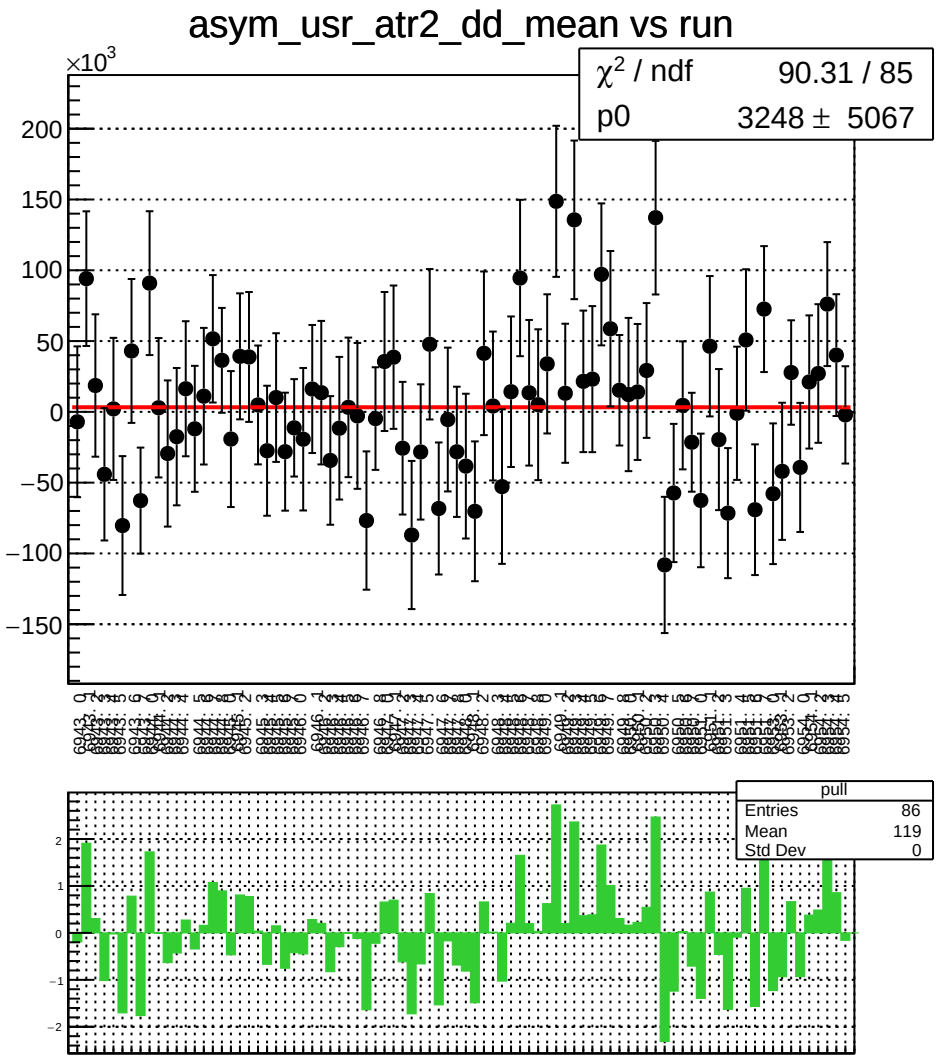

pull1D
Entries 86
Mean −0.0064
Std Dev 1.002

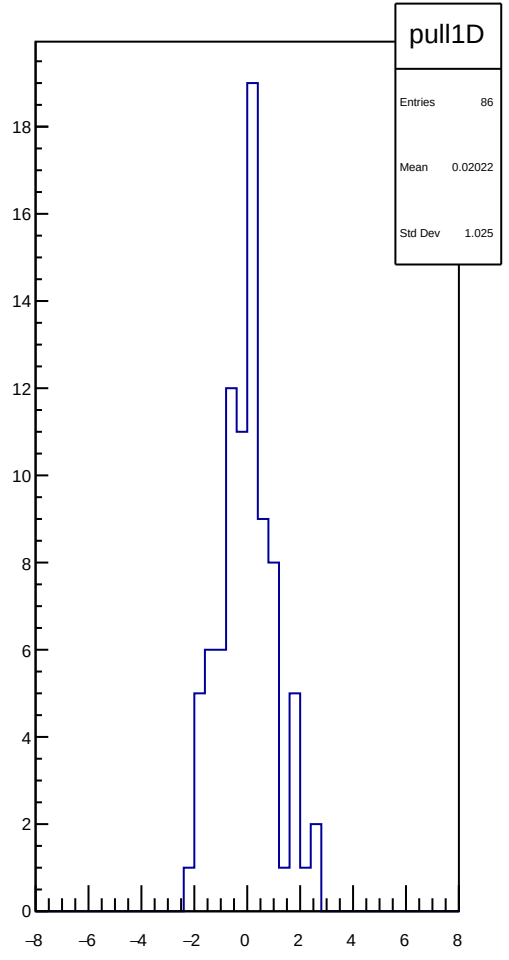

eigen_dit_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 170.9 / 85
p0 1135 ± 0.882
1180
1160
1140
1120
1100

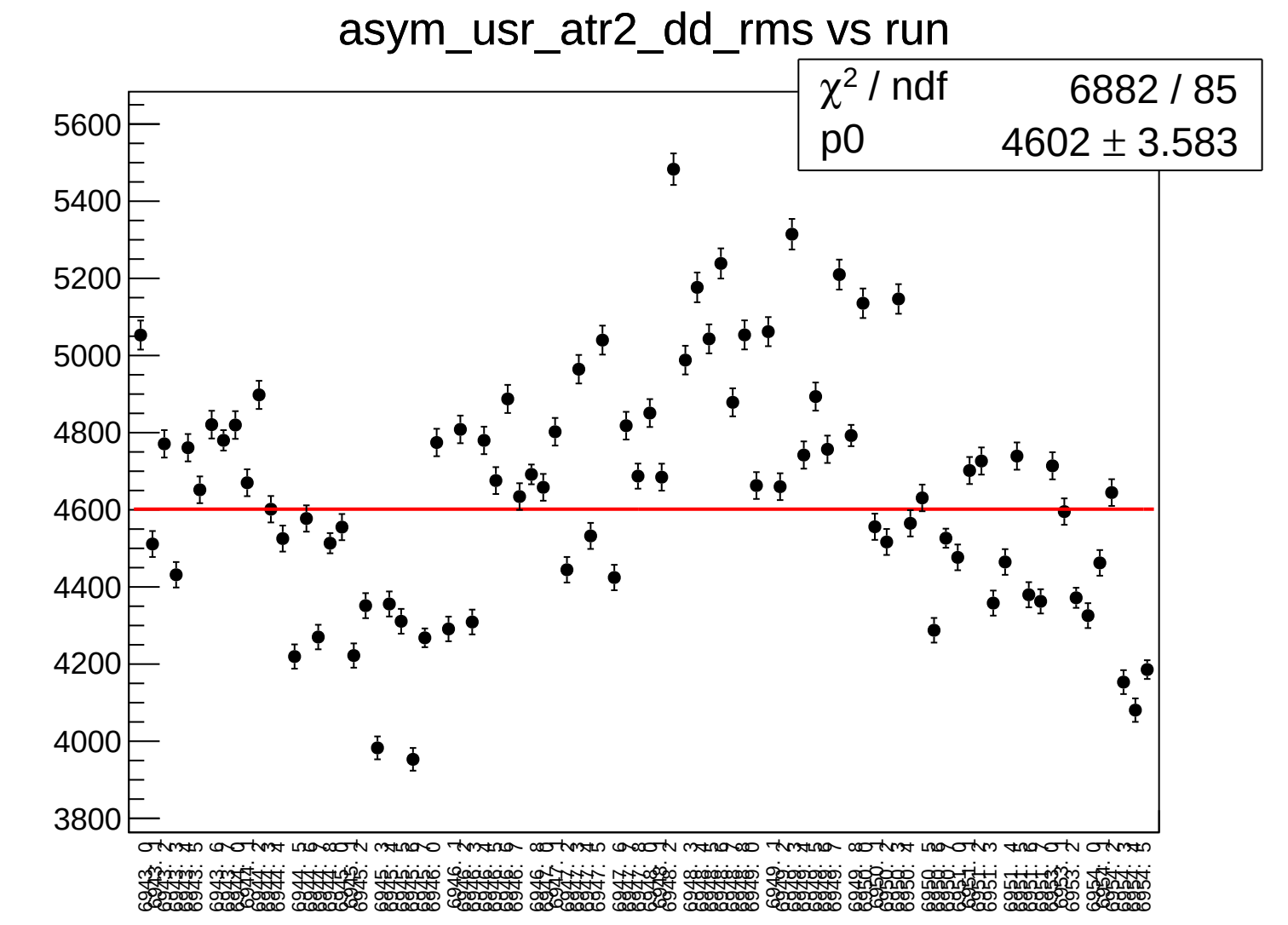

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.77 / 85
p0 −1345 ± 5216
pull
Entries 86
Mean 122.9
Std Dev 0

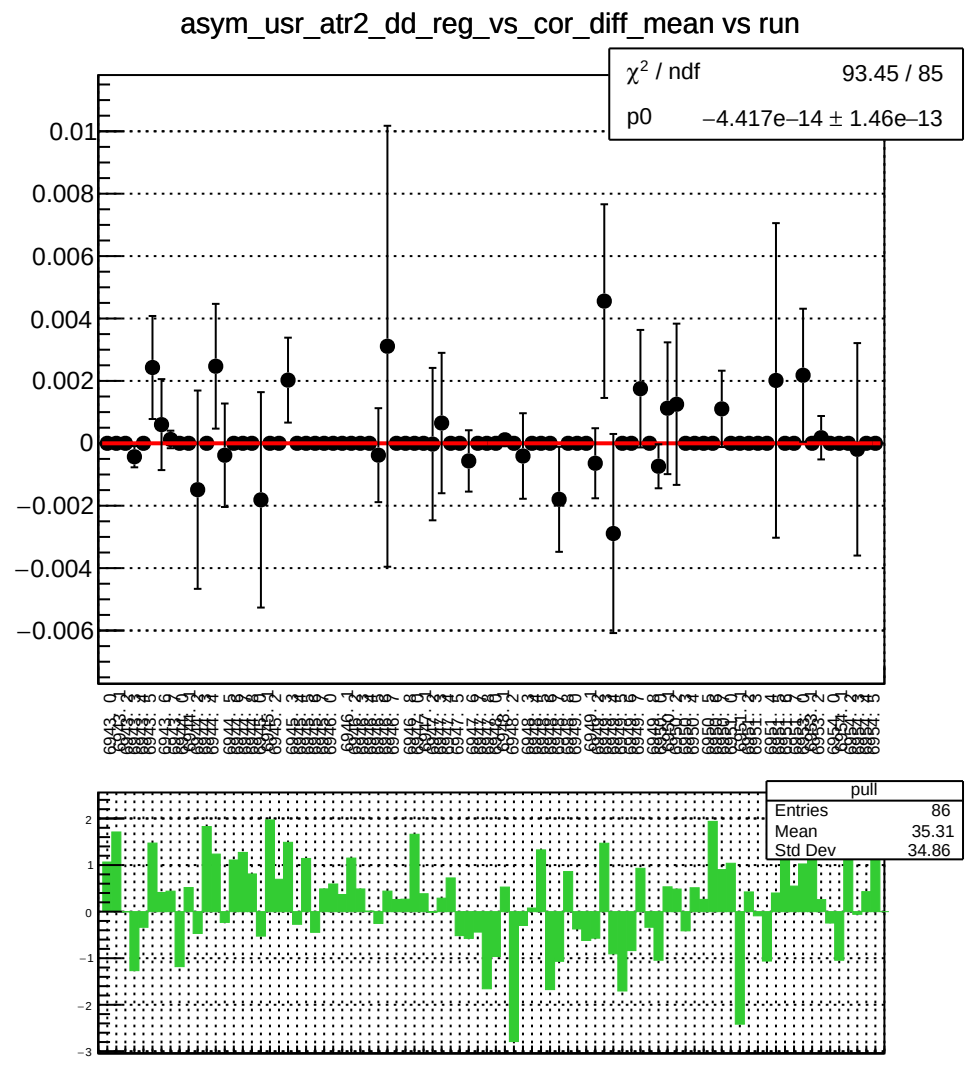

pull1D
Entries 86
Mean −0.02362
Std Dev 1.038

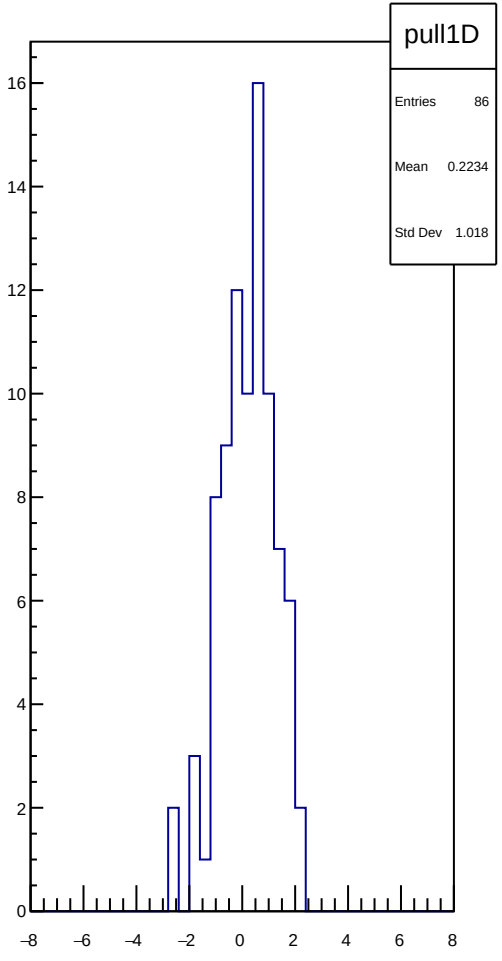

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7861 / 85
p0 4735 ± 3.688
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

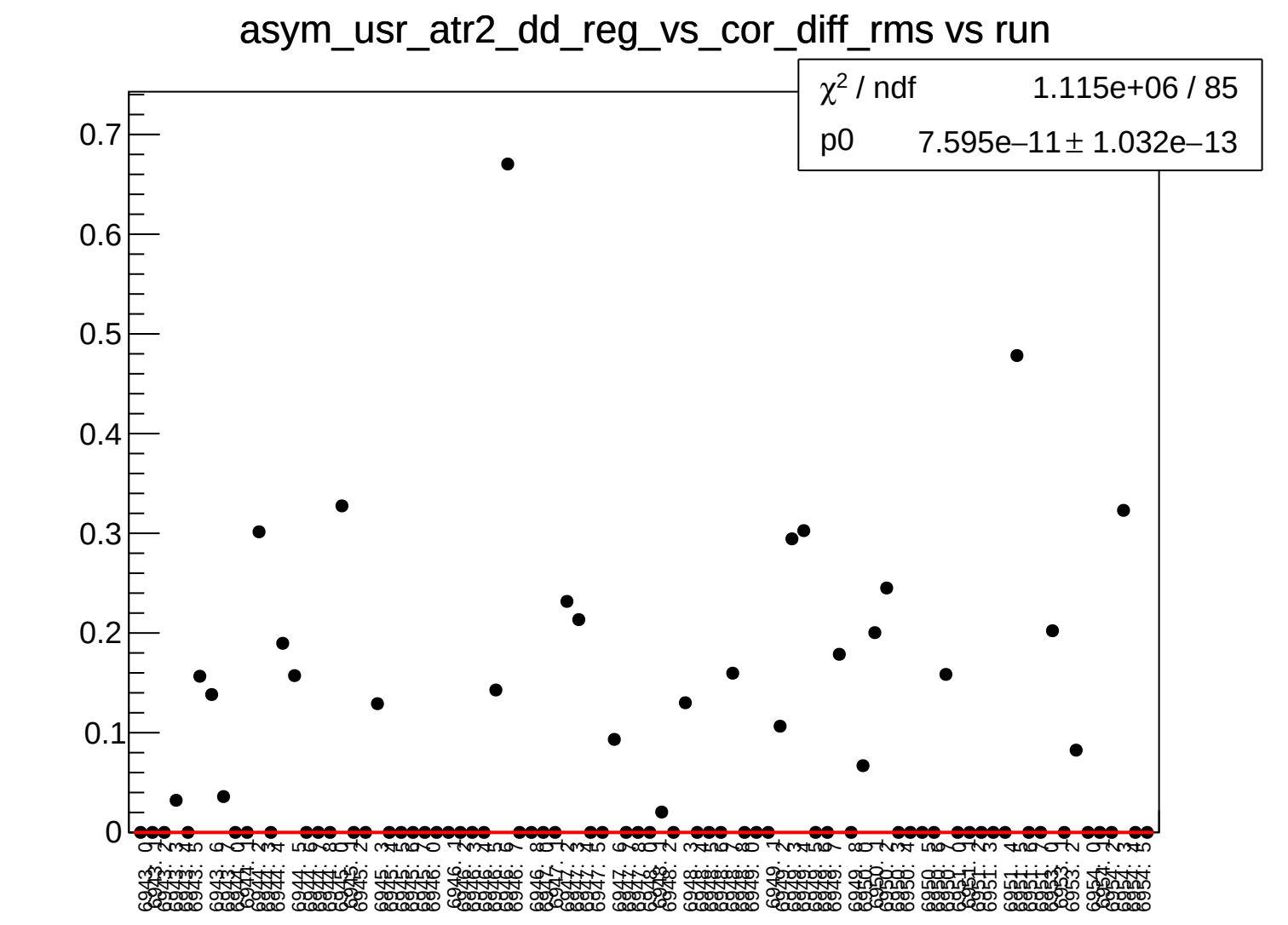

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 90.31 / 85
p0 3248 ± 5067
200
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 119
Std Dev 0
2
1
0
−1
−2

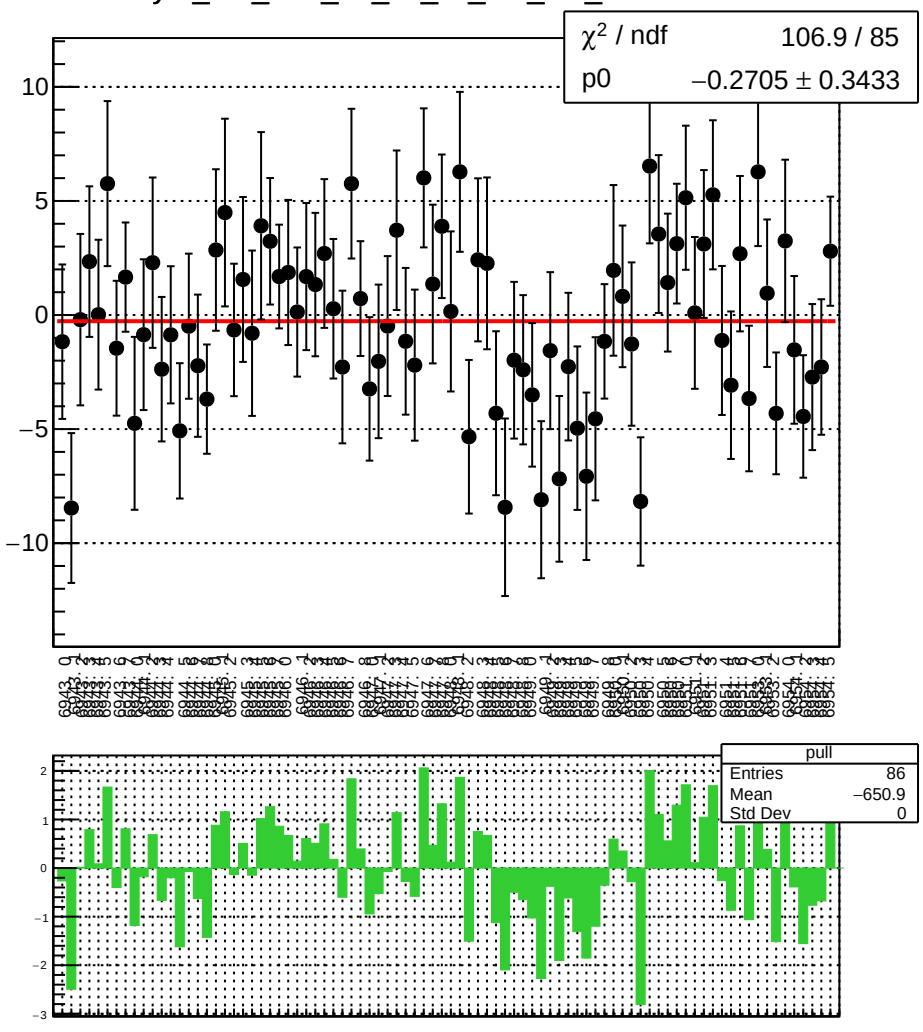

pull1D
Entries 86
Mean 0.02022
Std Dev 1.025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

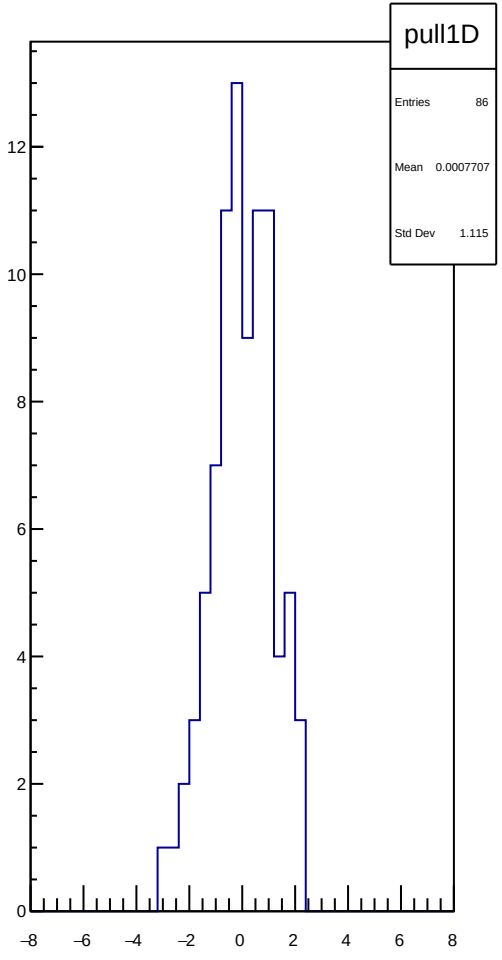

asym_usr_atr2_dd_rms vs run
χ^2 / ndf 6882 / 85
p0 4602 ± 3.583
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

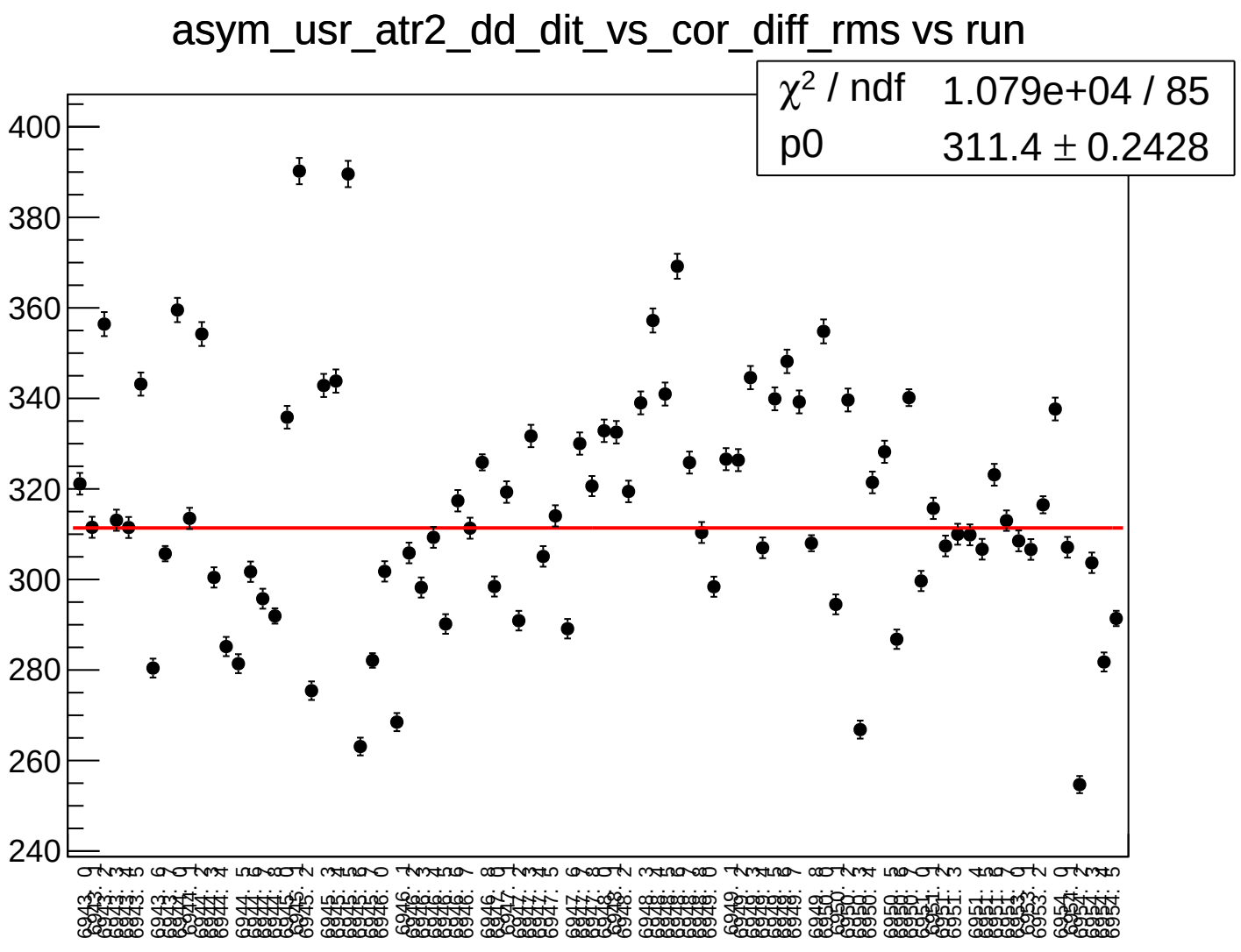

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.45 / 85
p0 −4.417e−14 ± 1.46e−13
pull
Entries 86
Mean 35.31
Std Dev 34.86

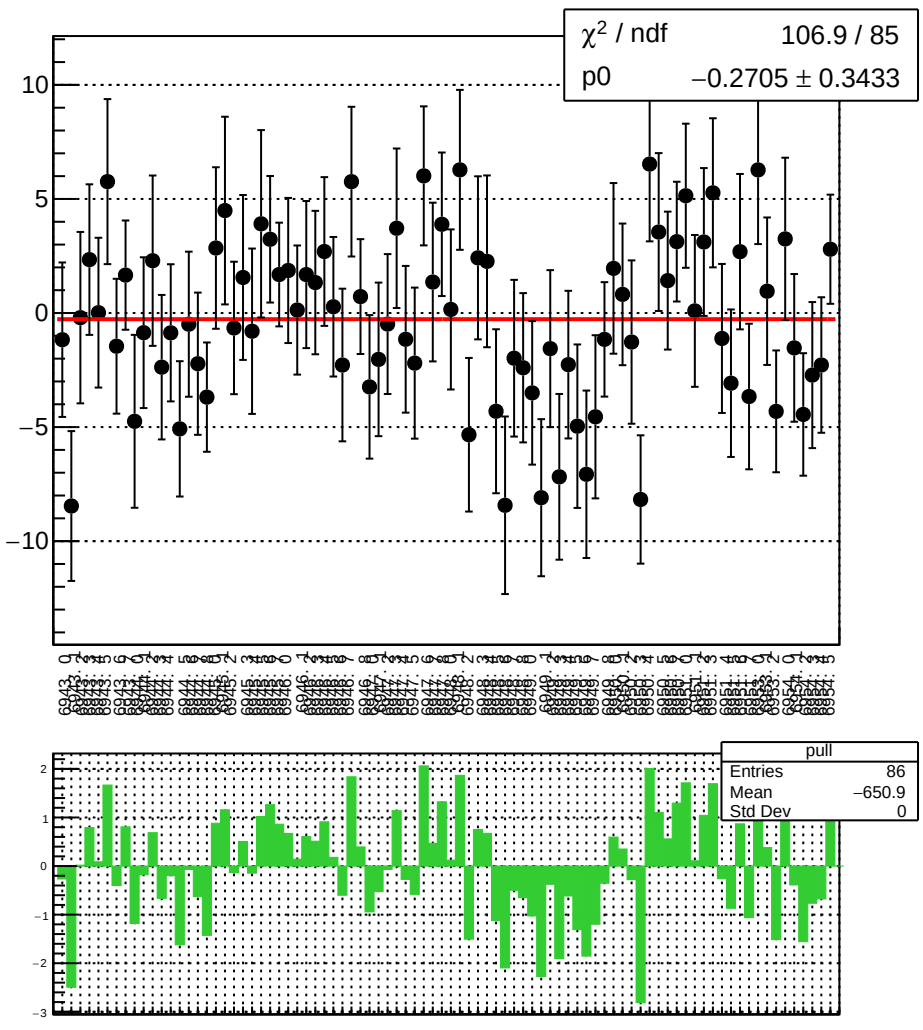

pull1D
Entries 86
Mean 0.2234
Std Dev 1.018

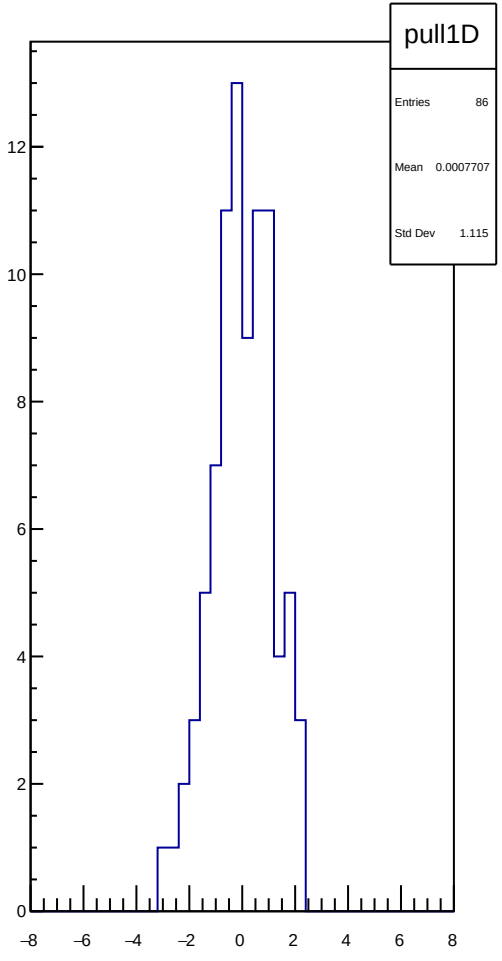

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.115e+06 / 85
p0 7.595e−11 ± 1.032e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

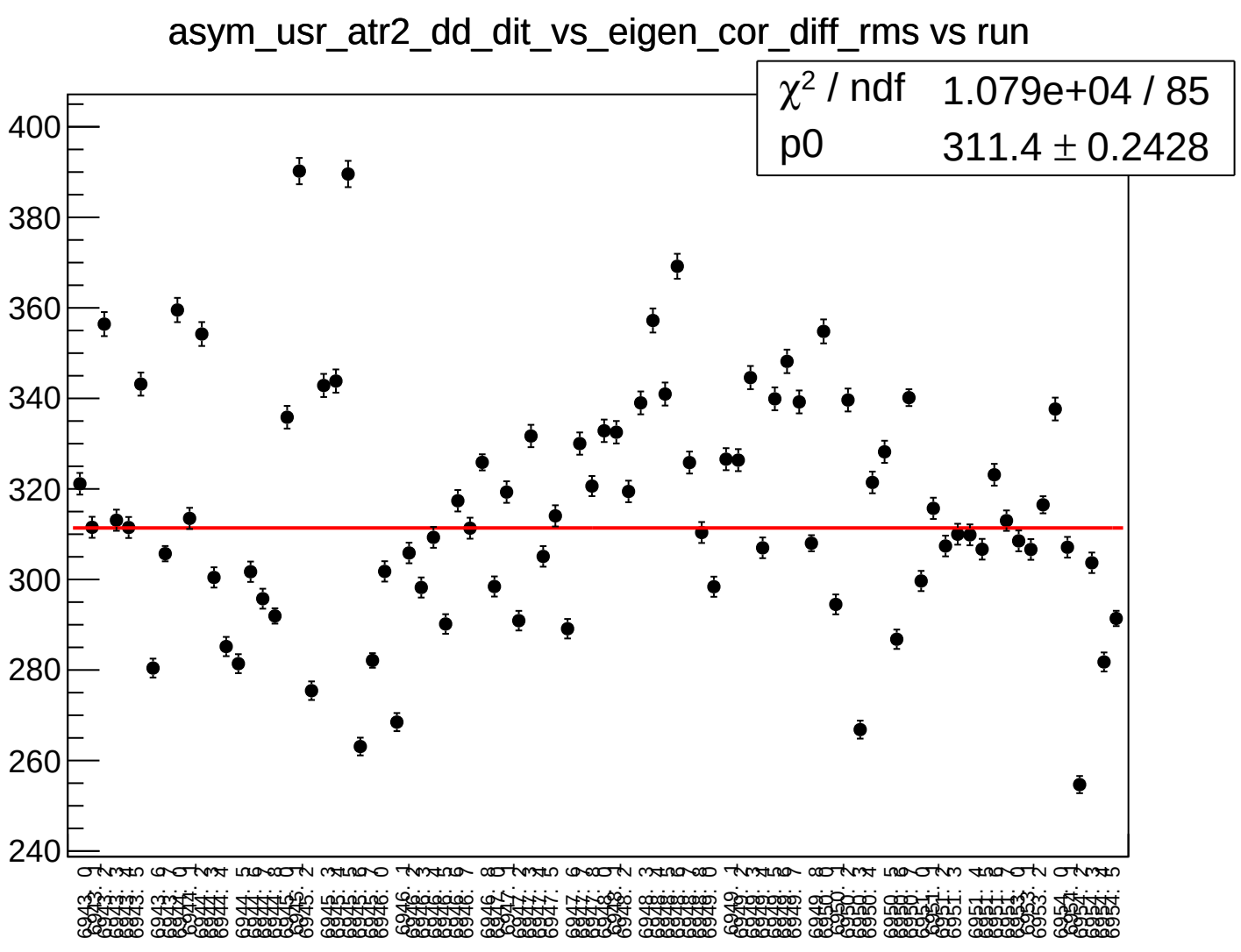

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 85
p0 −0.2705 ± 0.3433
pull
Entries 86
Mean −650.9
Std Dev 0

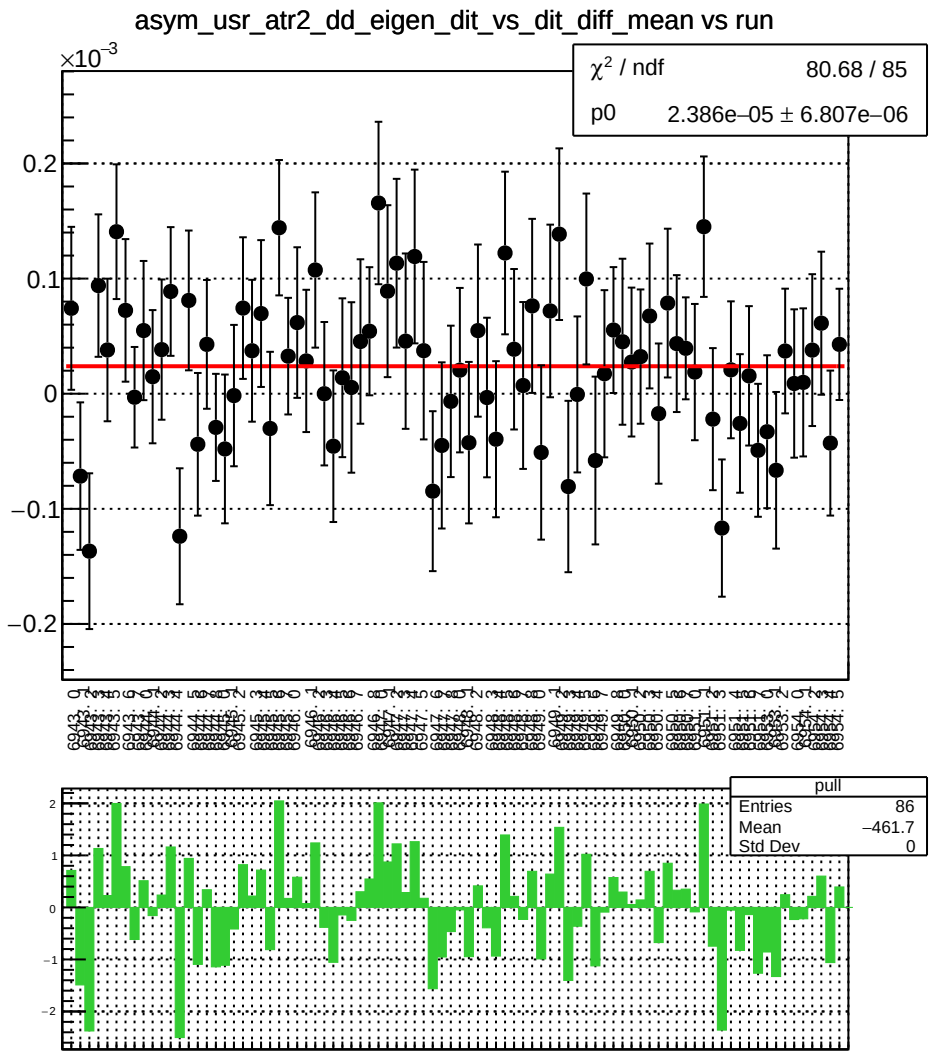

pull1D
Entries 86
Mean 0.0007707
Std Dev 1.115

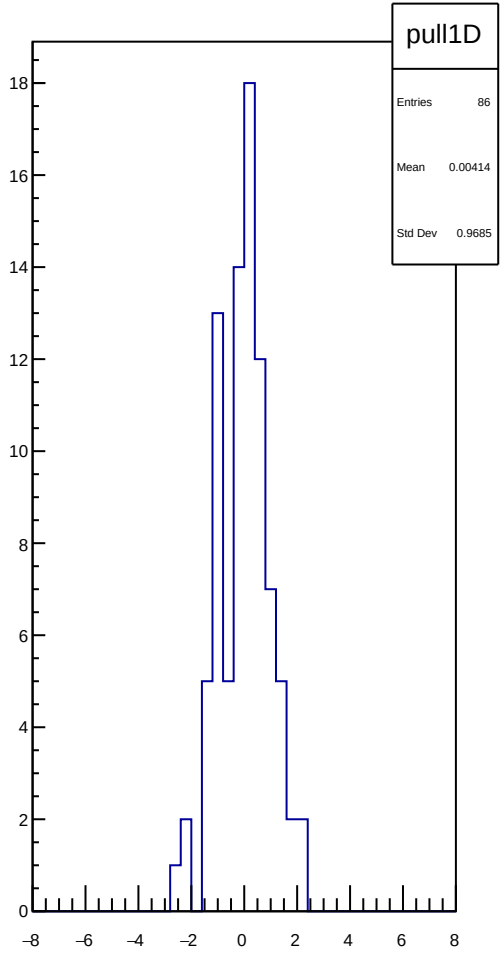

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.079e+04 / 85
p0 311.4 ± 0.2428
400
380
360
340
320
300
280
260
240

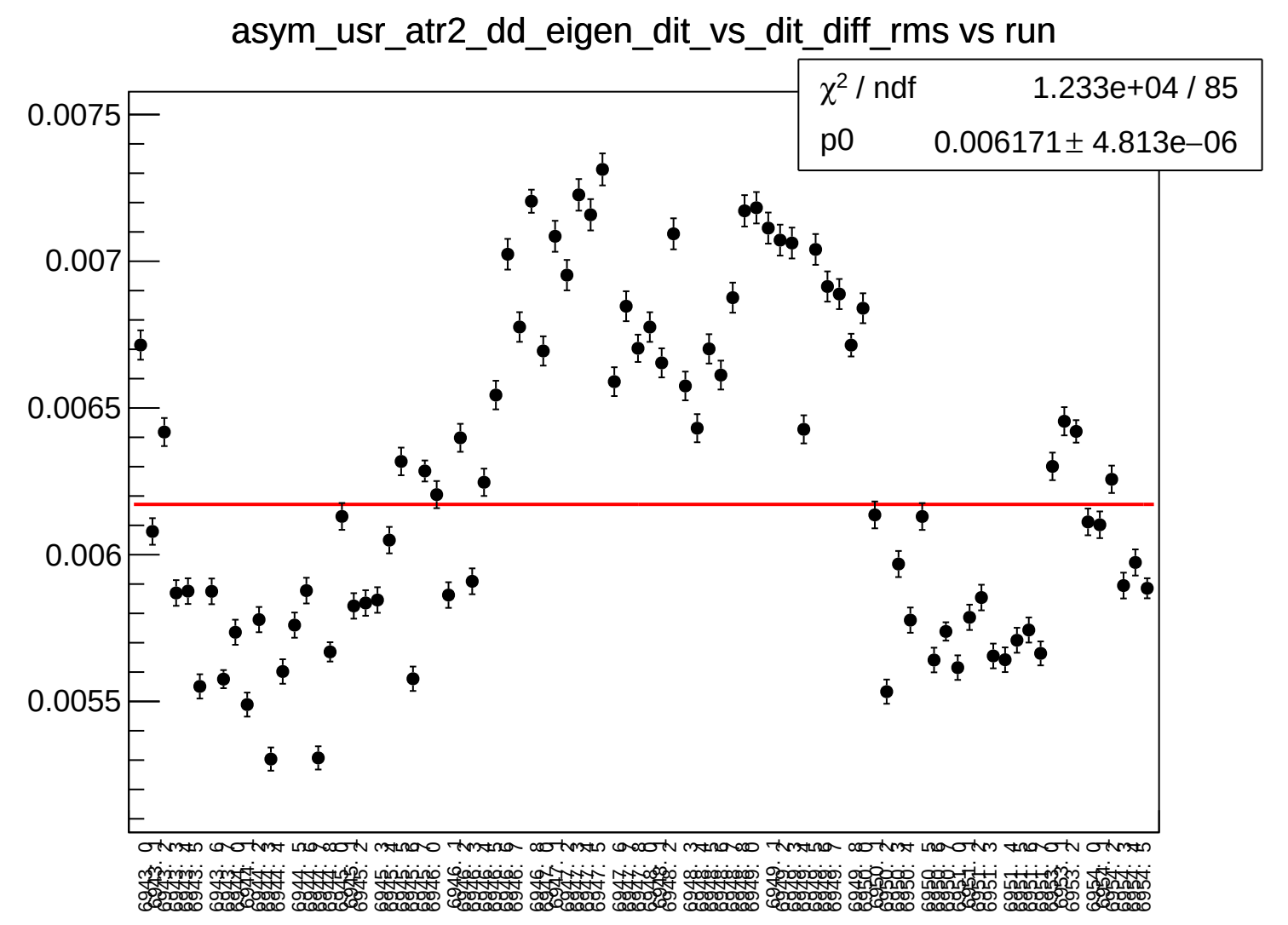

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 85
p0 −0.2705 ± 0.3433
pull
Entries 86
Mean −650.9
Std Dev 0

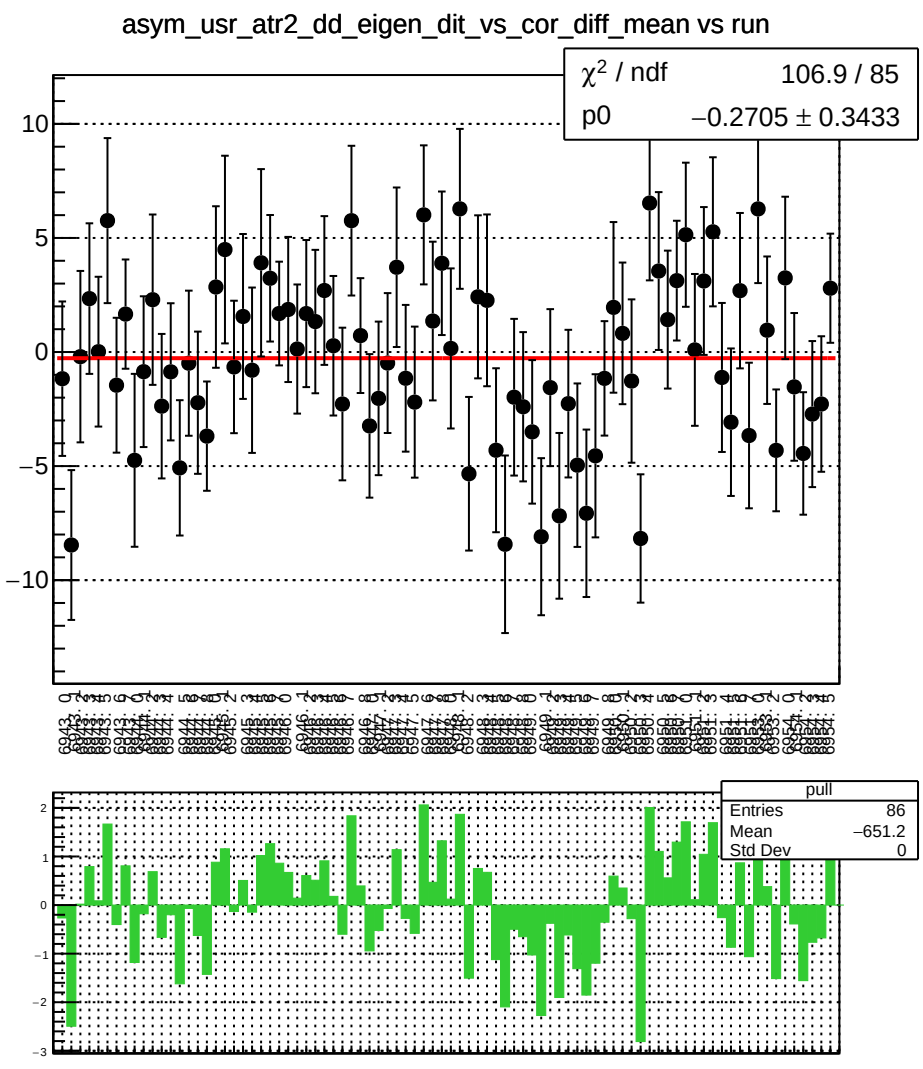

pull1D
Entries 86
Mean 0.0007707
Std Dev 1.115

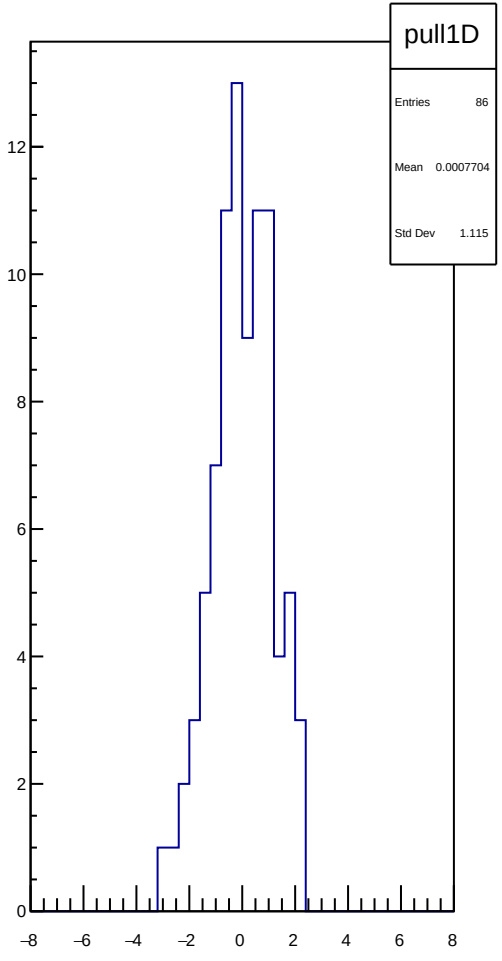

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.079e+04 / 85
p0 311.4 ± 0.2428
400
380
360
340
320
300
280
260
240

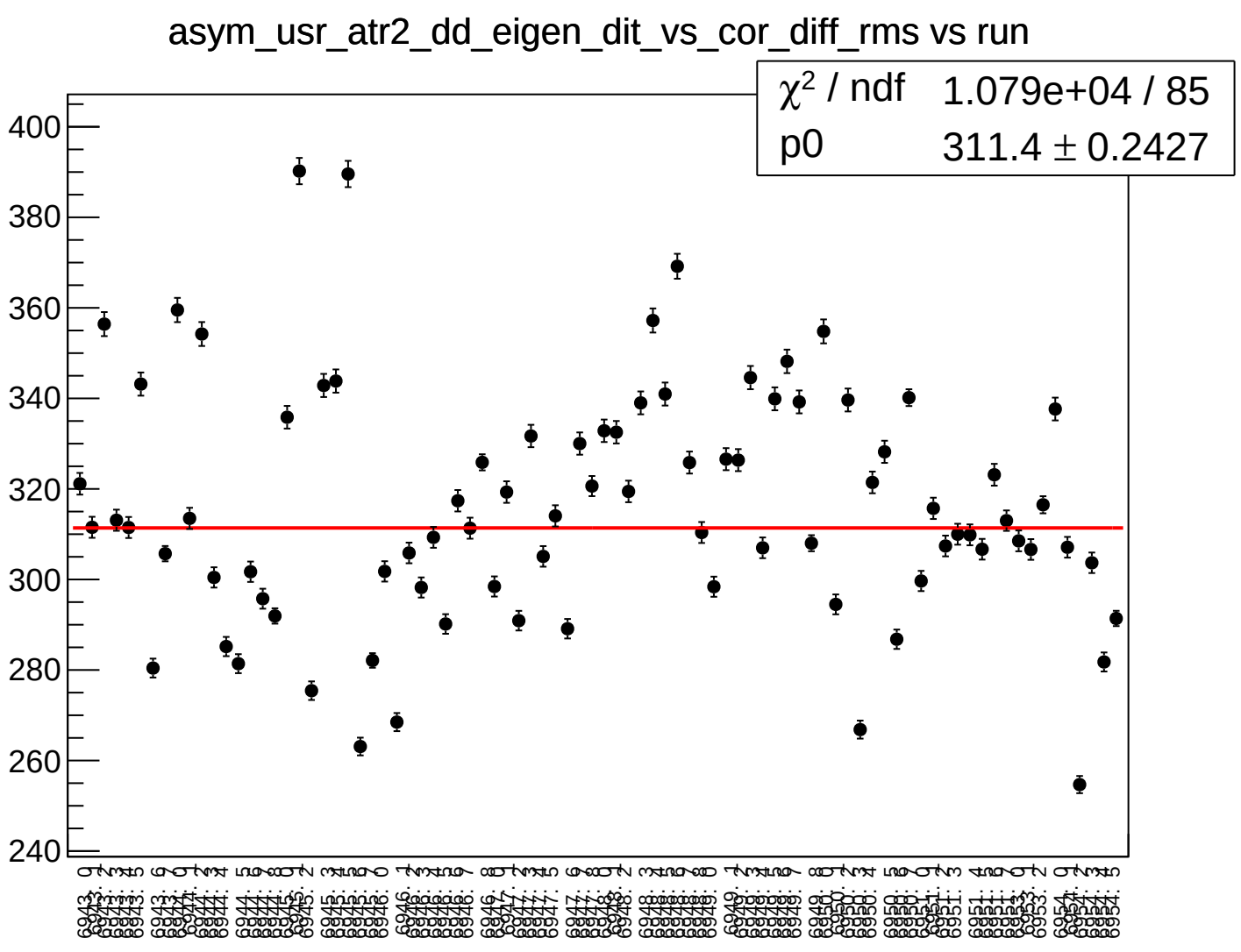

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.68 / 85
p0 2.386e−05 ± 6.807e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 86
Mean −461.7
Std Dev 0
2
1
0
−1
−2

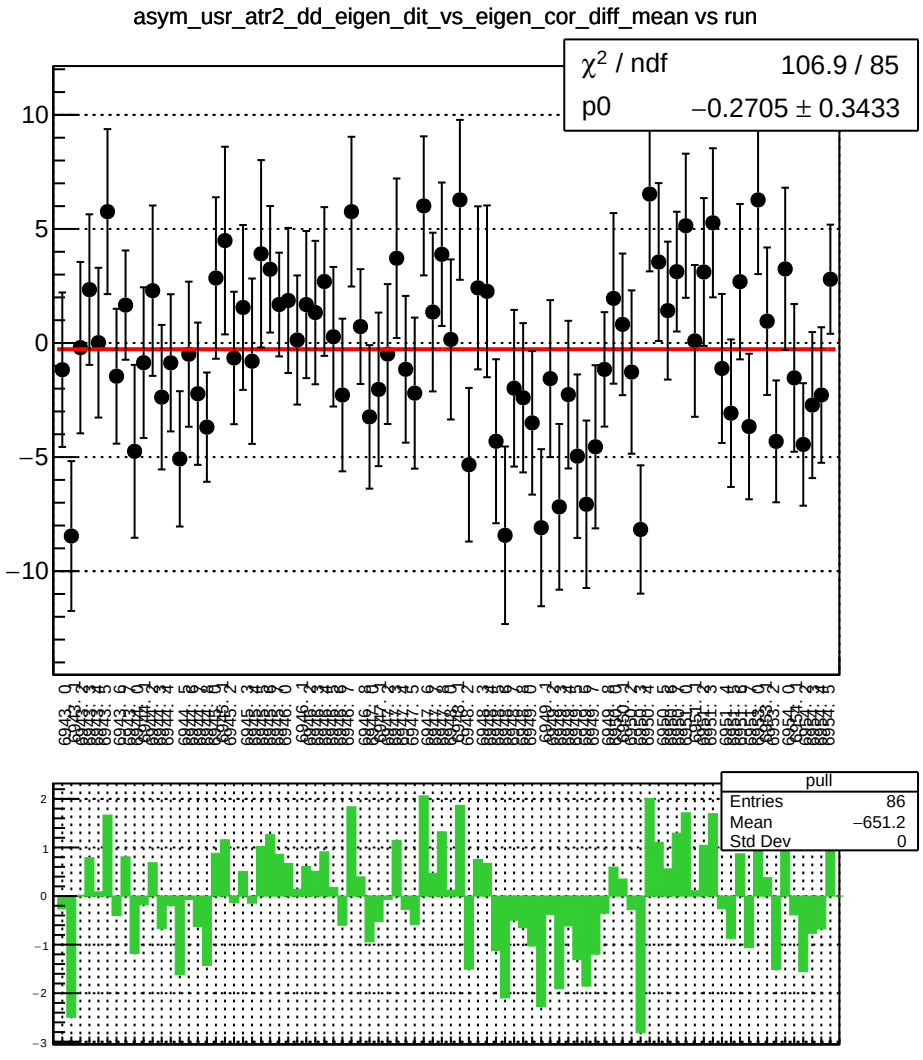

pull1D
Entries 86
Mean 0.00414
Std Dev 0.9685
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

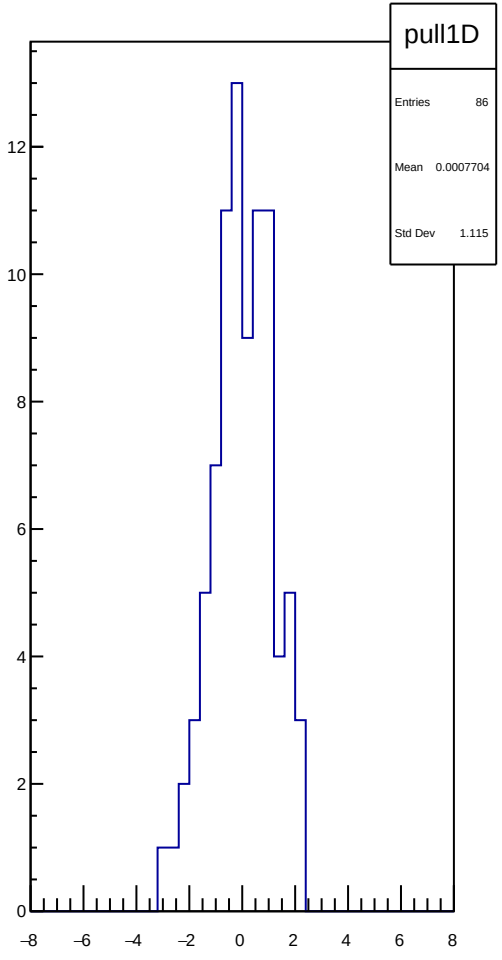

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.233e+04 / 85
p0 0.006171 ± 4.813e−06
0.0075
0.007
0.0065
0.006
0.0055

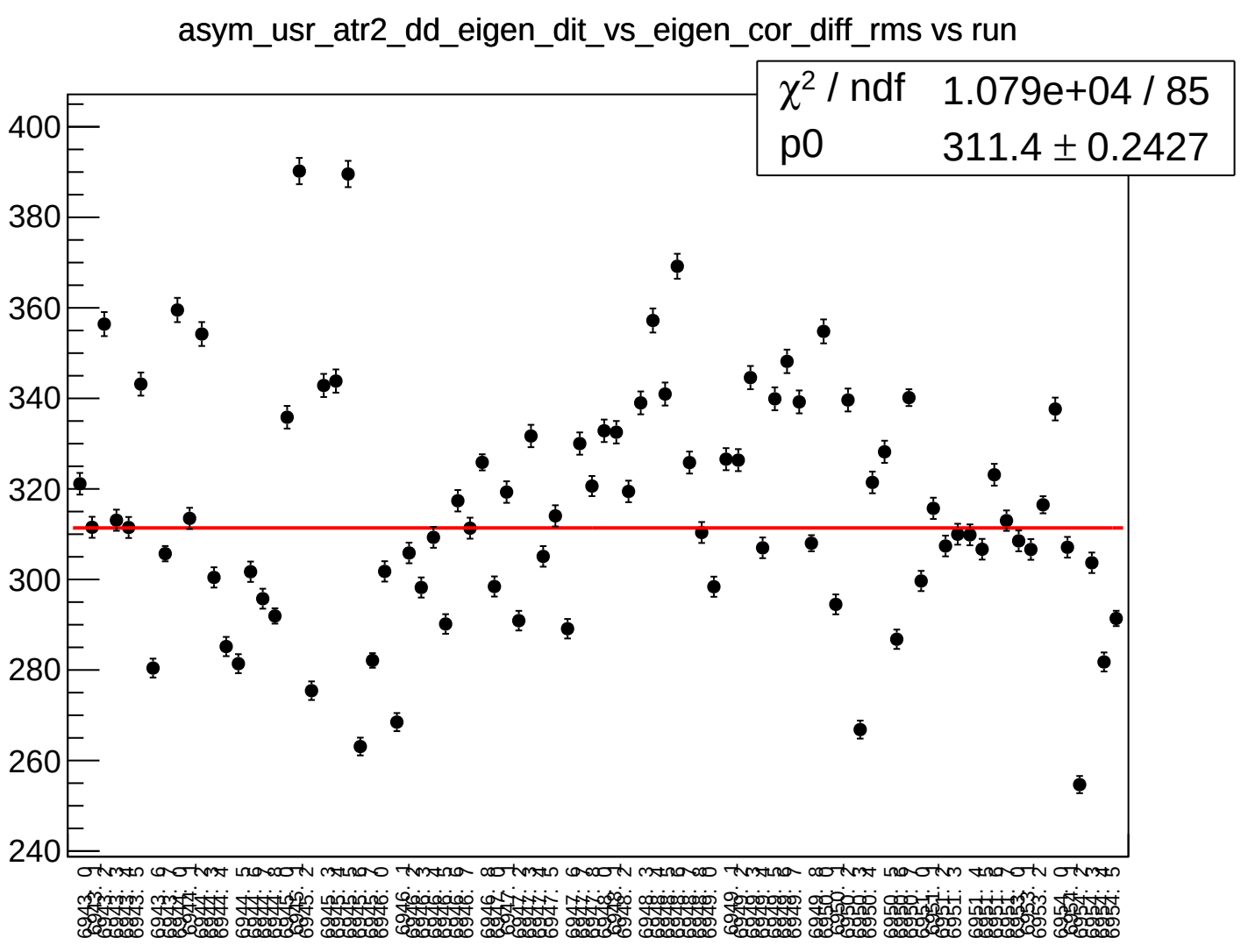

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 85
p0 −0.2705 ± 0.3433
pull
Entries 86
Mean −651.2
Std Dev 0

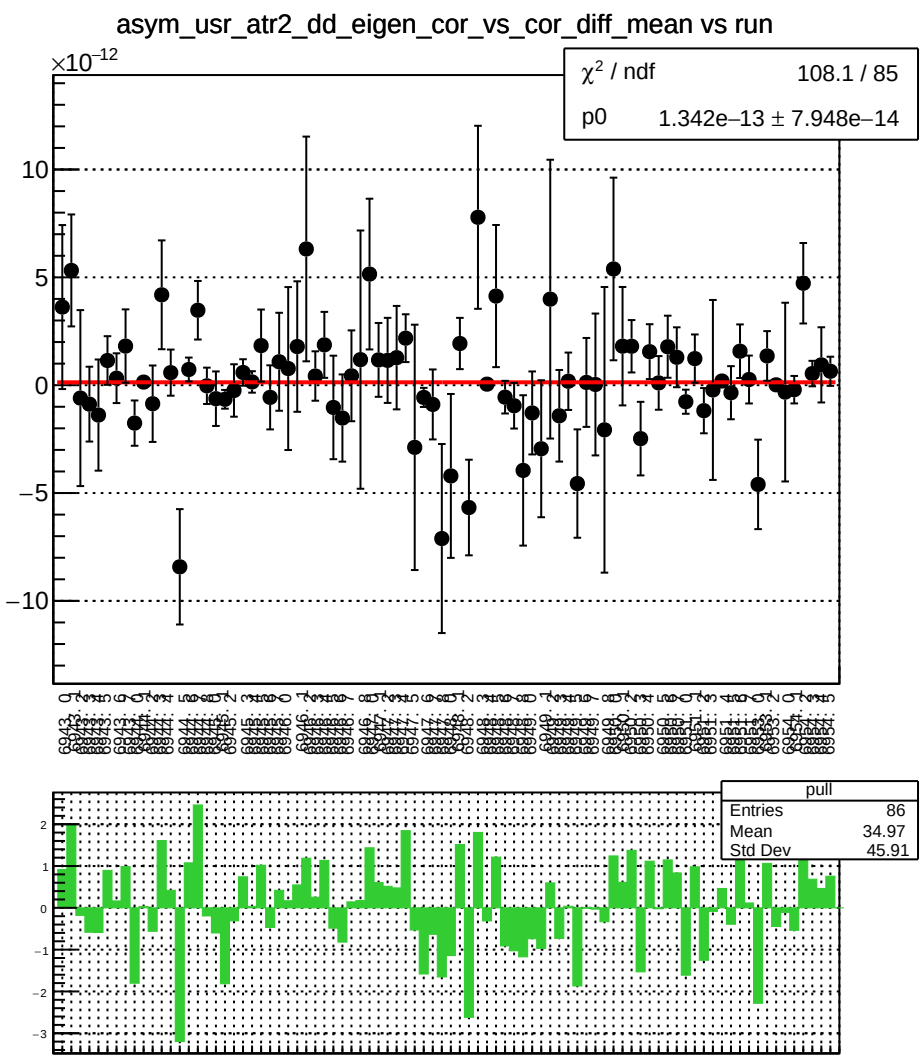

pull1D
Entries 86
Mean 0.0007704
Std Dev 1.115

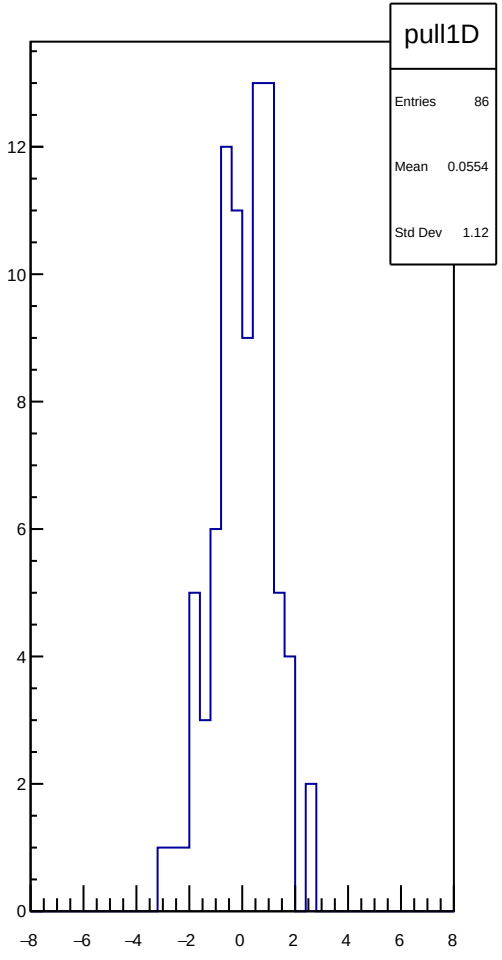

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.079e+04 / 85
p0 311.4 ± 0.2427
400
380
360
340
320
300
280
260
240

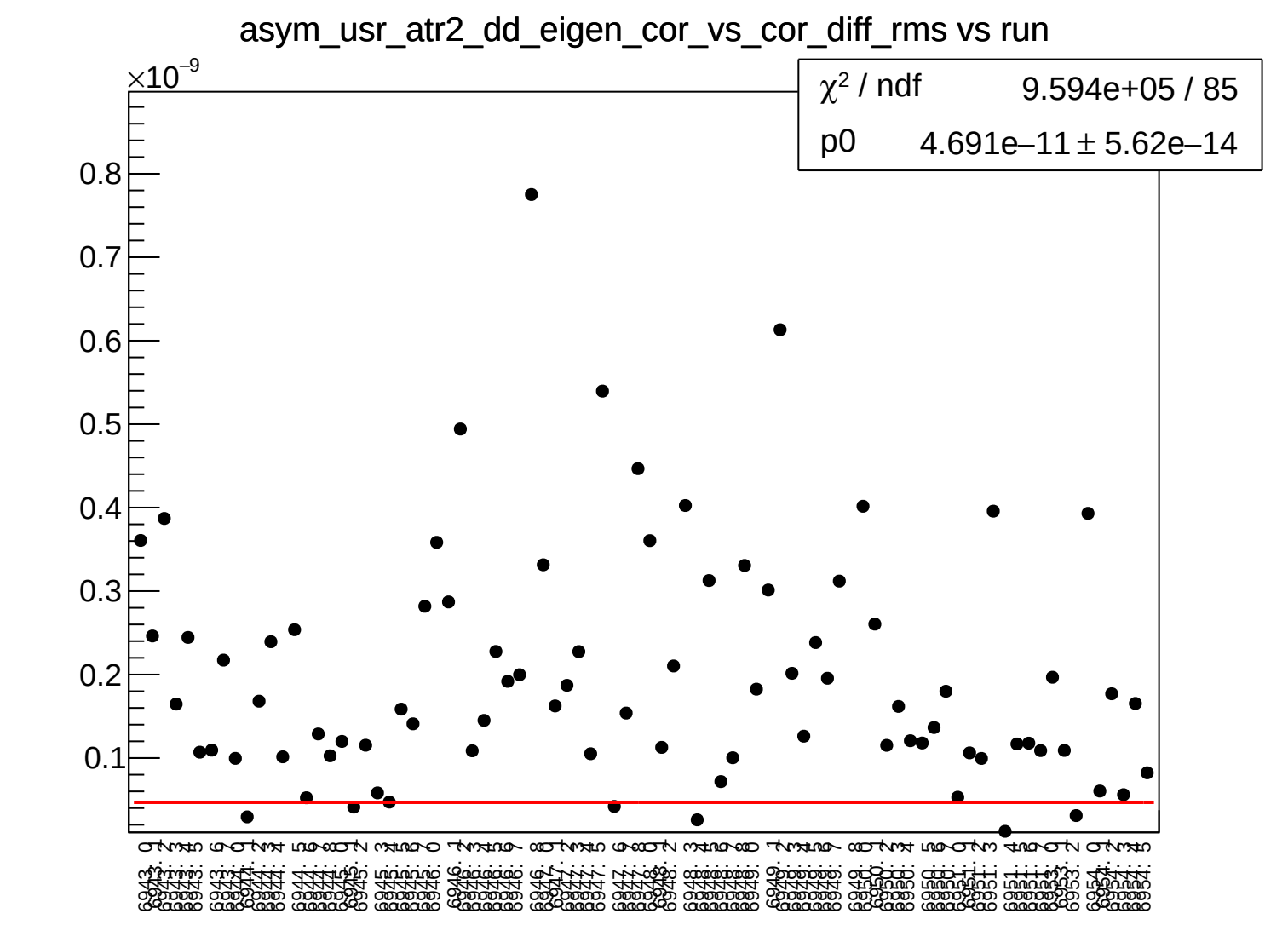

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 85
p0 −0.2705 ± 0.3433
pull
Entries 86
Mean −651.2
Std Dev 0

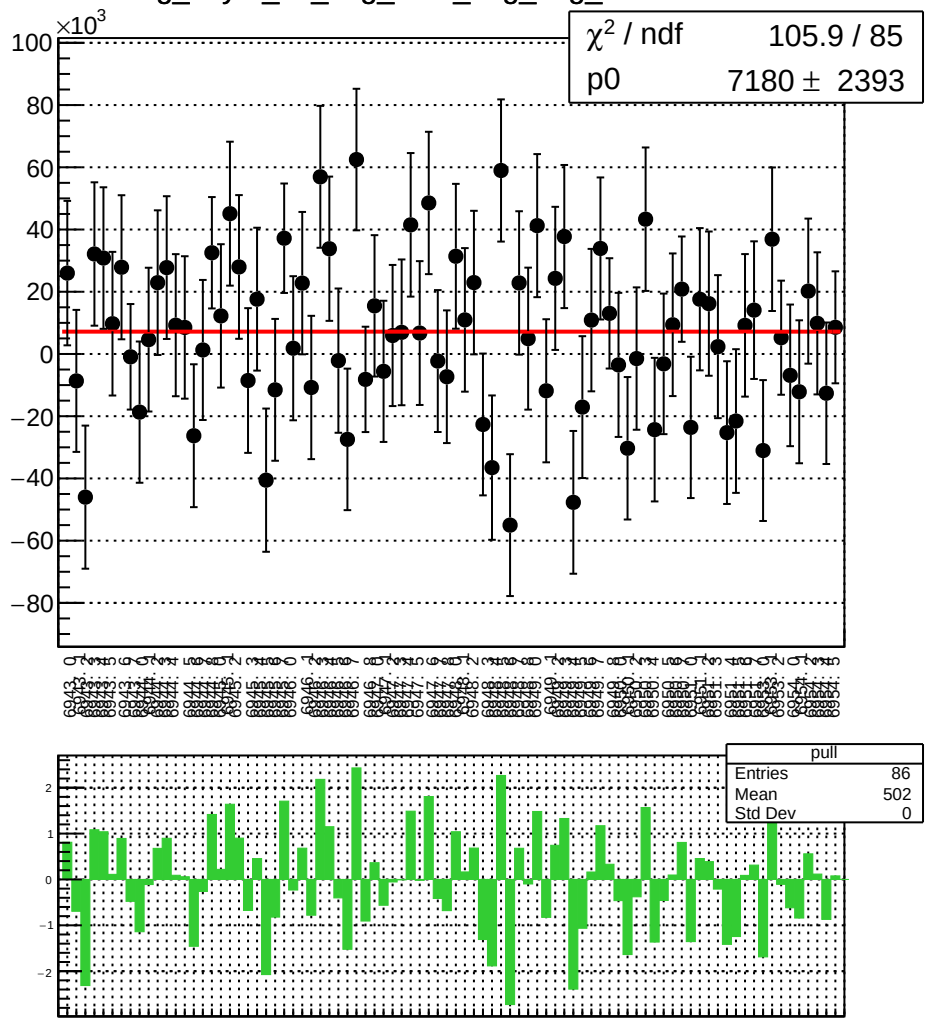

pull1D
Entries 86
Mean 0.0007704
Std Dev 1.115

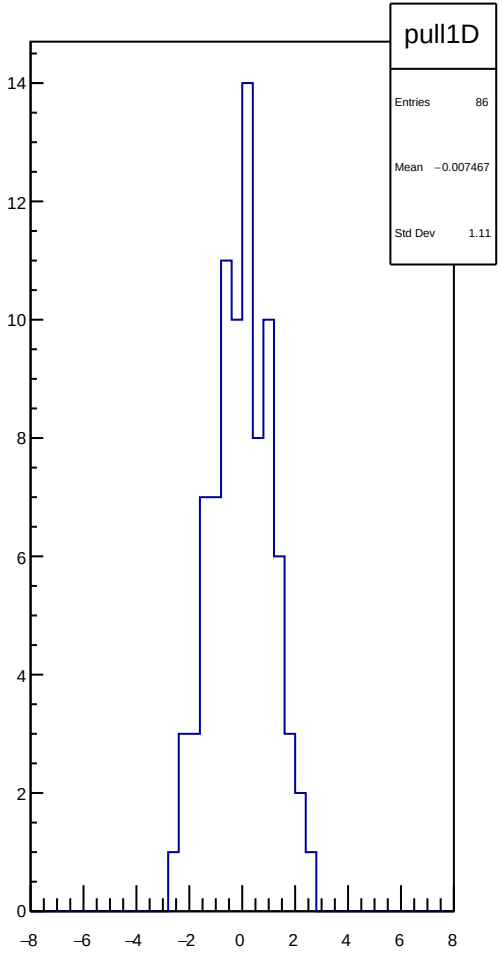

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.079e+04 / 85
p0 311.4 ± 0.2427
400
380
360
340
320
300
280
260
240

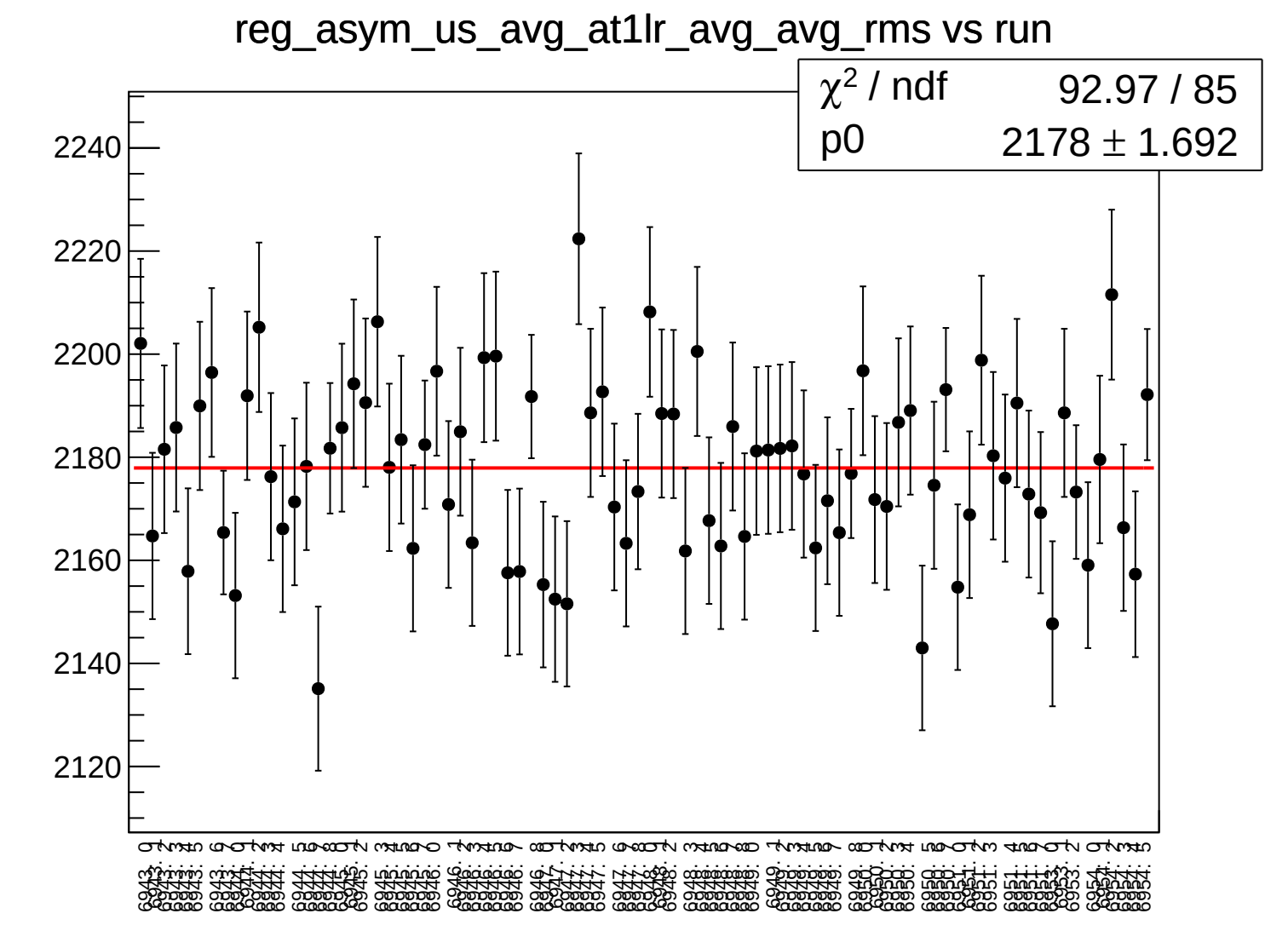

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 108.1 / 85
p0 1.342e−13 ± 7.948e−14
10
5
0
−5
−10
pull
Entries 86
Mean 34.97
Std Dev 45.91
2
1
0
−1
−2
−3

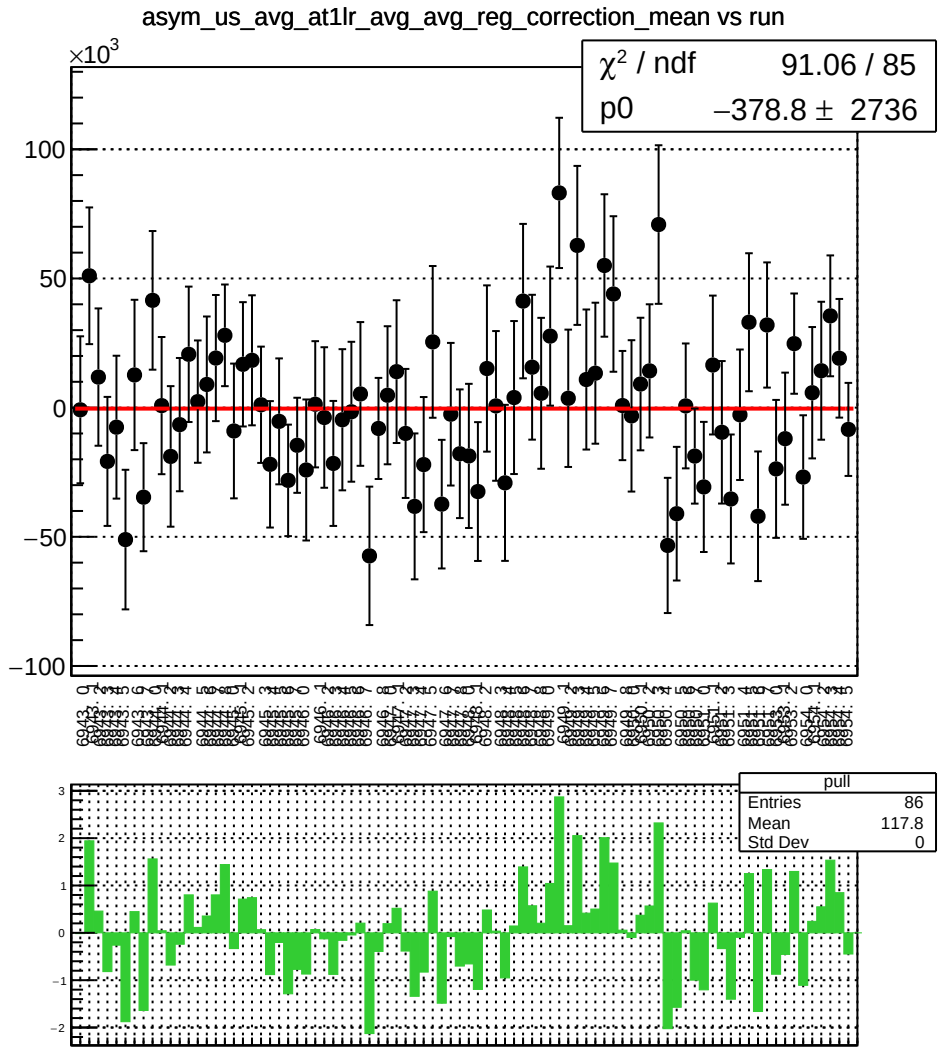

pull1D
Entries 86
Mean 0.0554
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

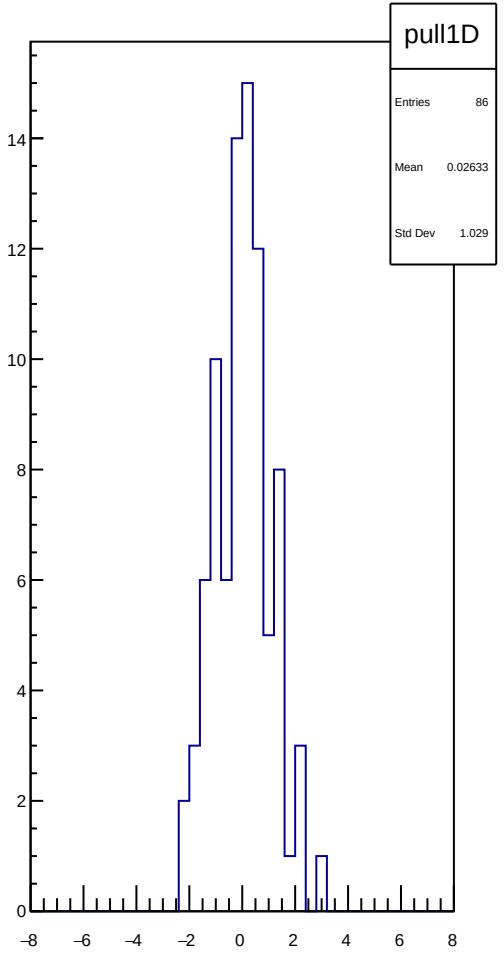

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.594e+05 / 85
p0 4.691e−11 ± 5.62e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

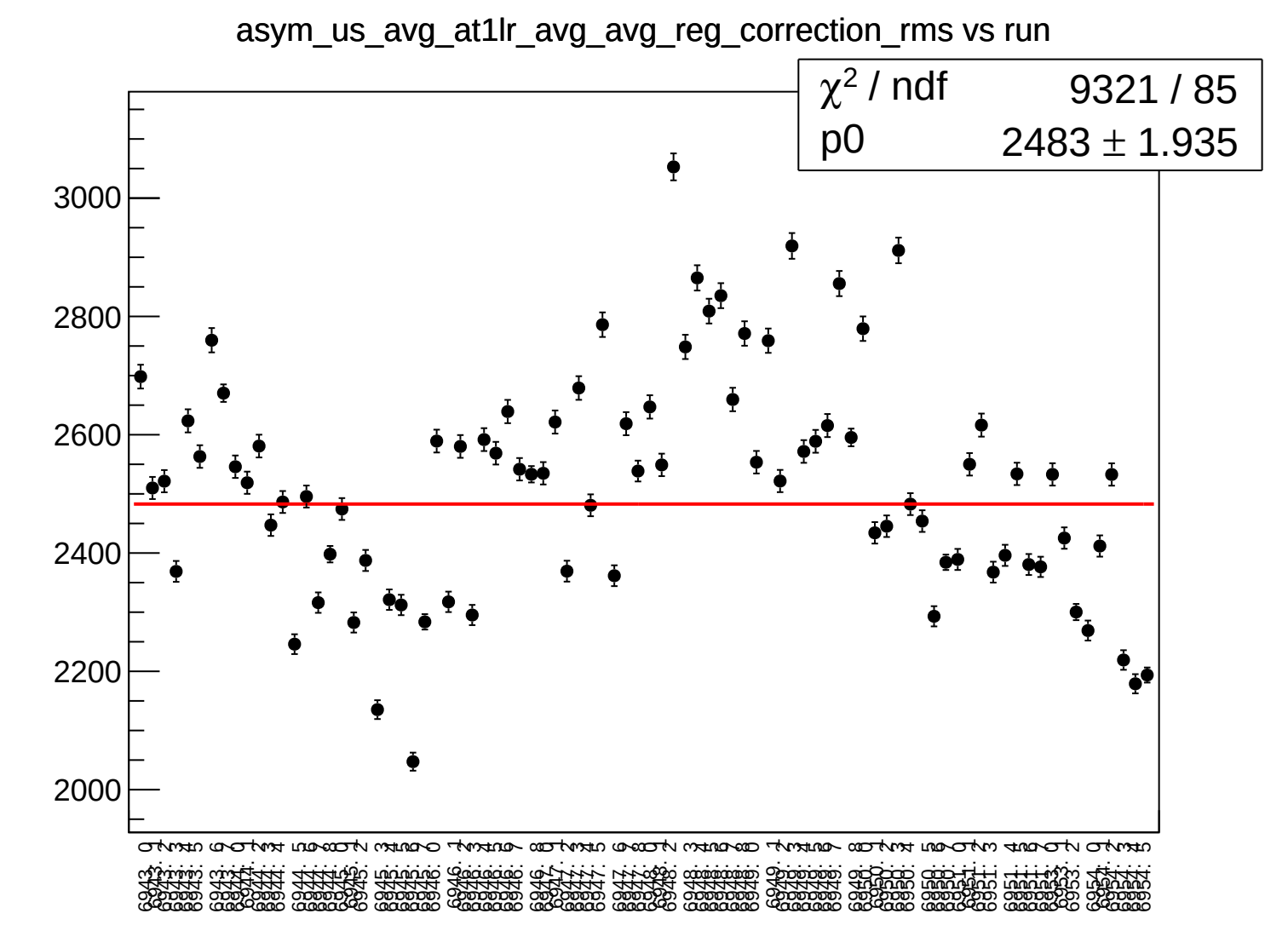

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 105.9 / 85
p0 7180 ± 2393
pull
Entries 86
Mean 502
Std Dev 0

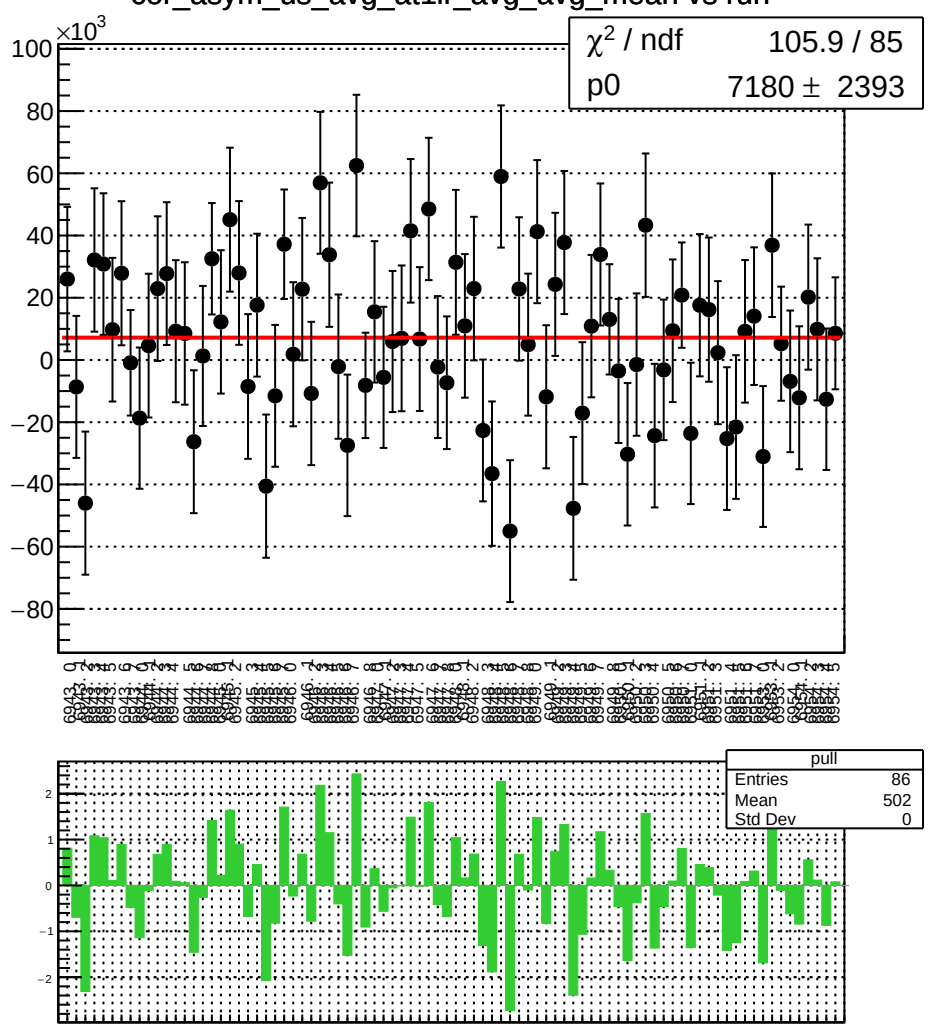

pull1D
Entries 86
Mean −0.007467
Std Dev 1.11

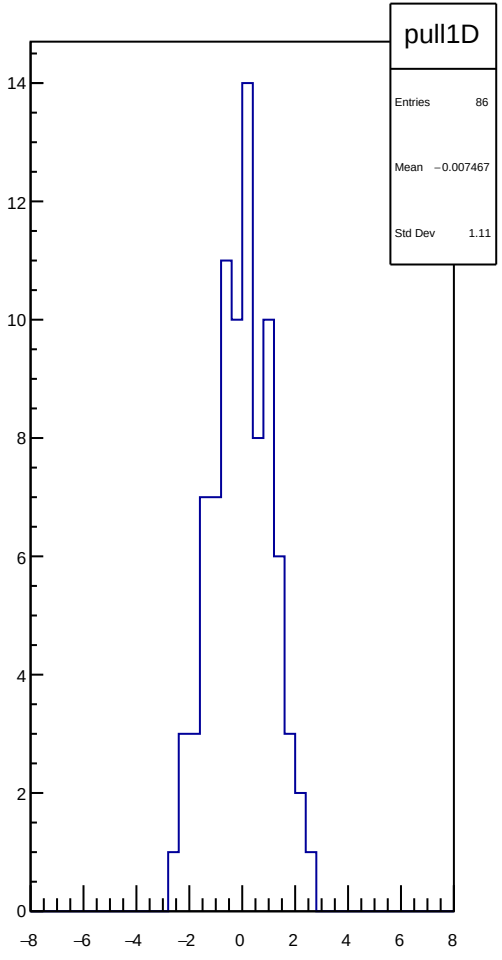

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 92.97 / 85
p0 2178 ± 1.692
2240
2220
2200
2180
2160
2140
2120

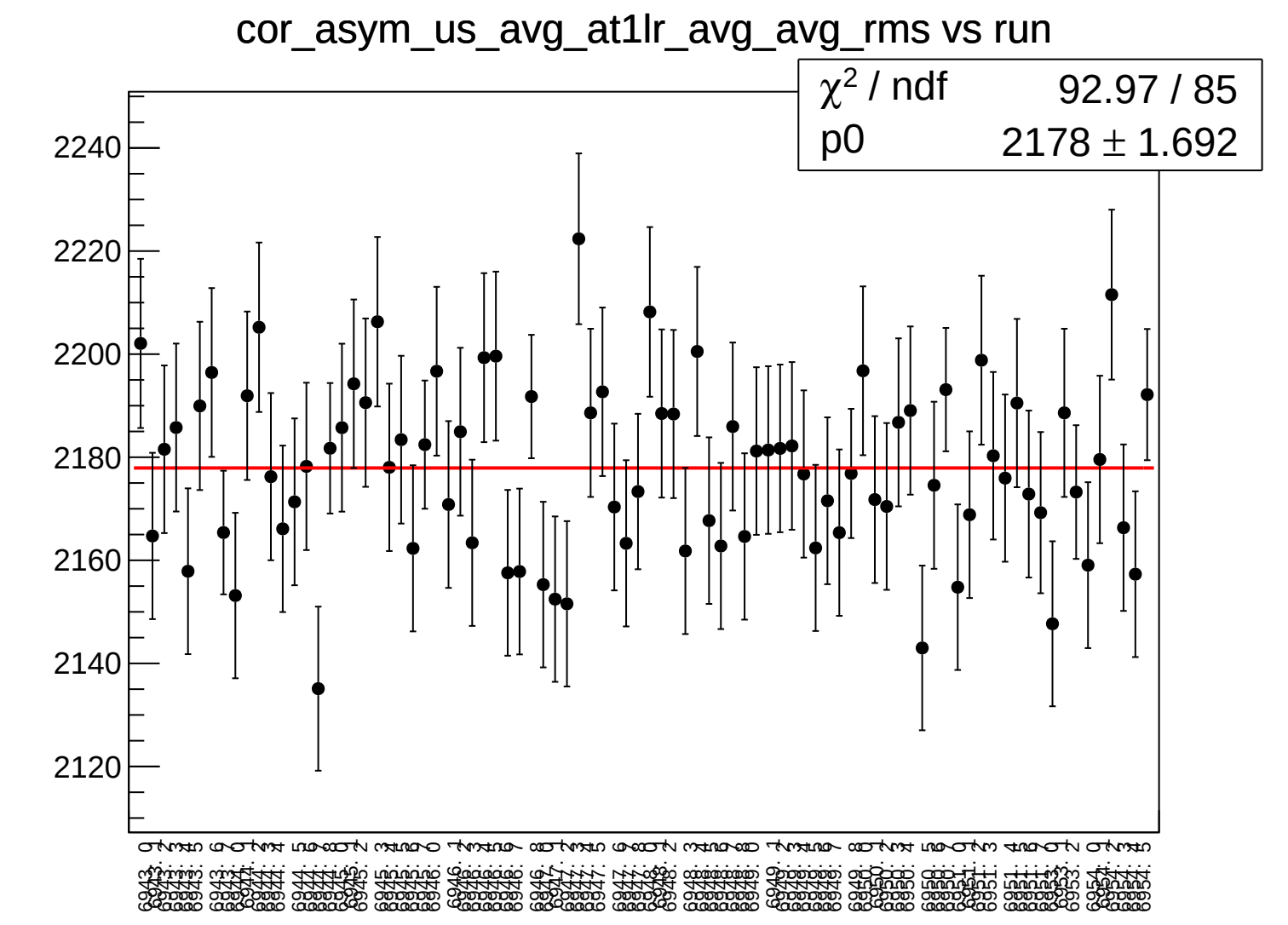

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91.06 / 85
p0 −378.8 ± 2736
100
50
0
−50
−100
pull
Entries 86
Mean 117.8
Std Dev 0
3
2
1
0
−1
−2

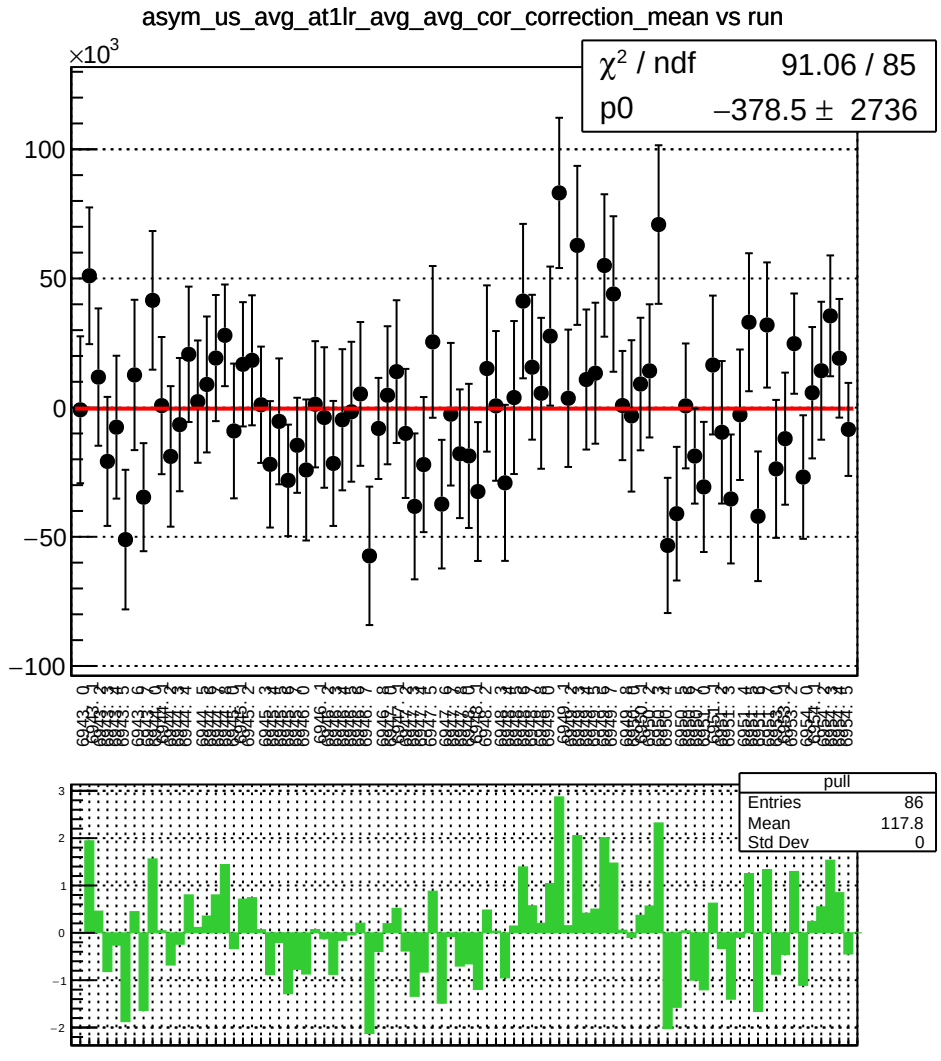

pull1D
Entries 86
Mean 0.02633
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

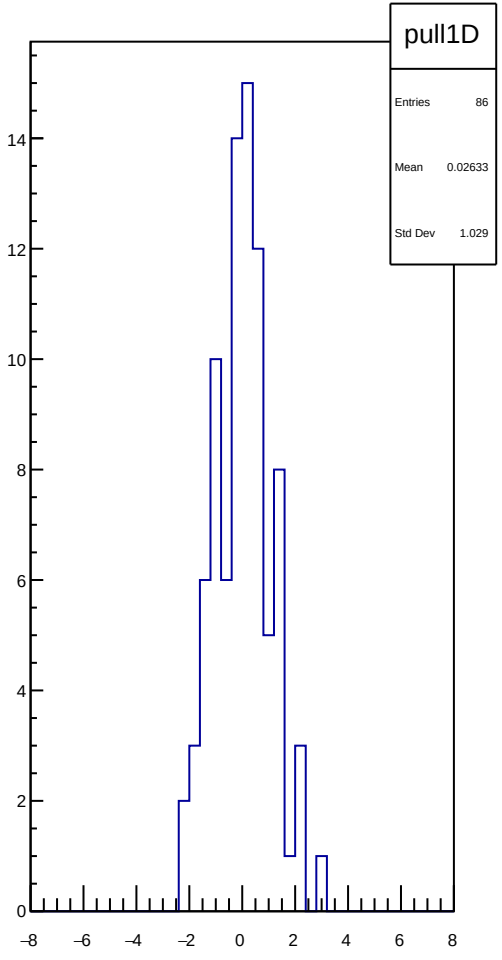

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 9321 / 85
p0 2483 ± 1.935
3000
2800
2600
2400
2200
2000

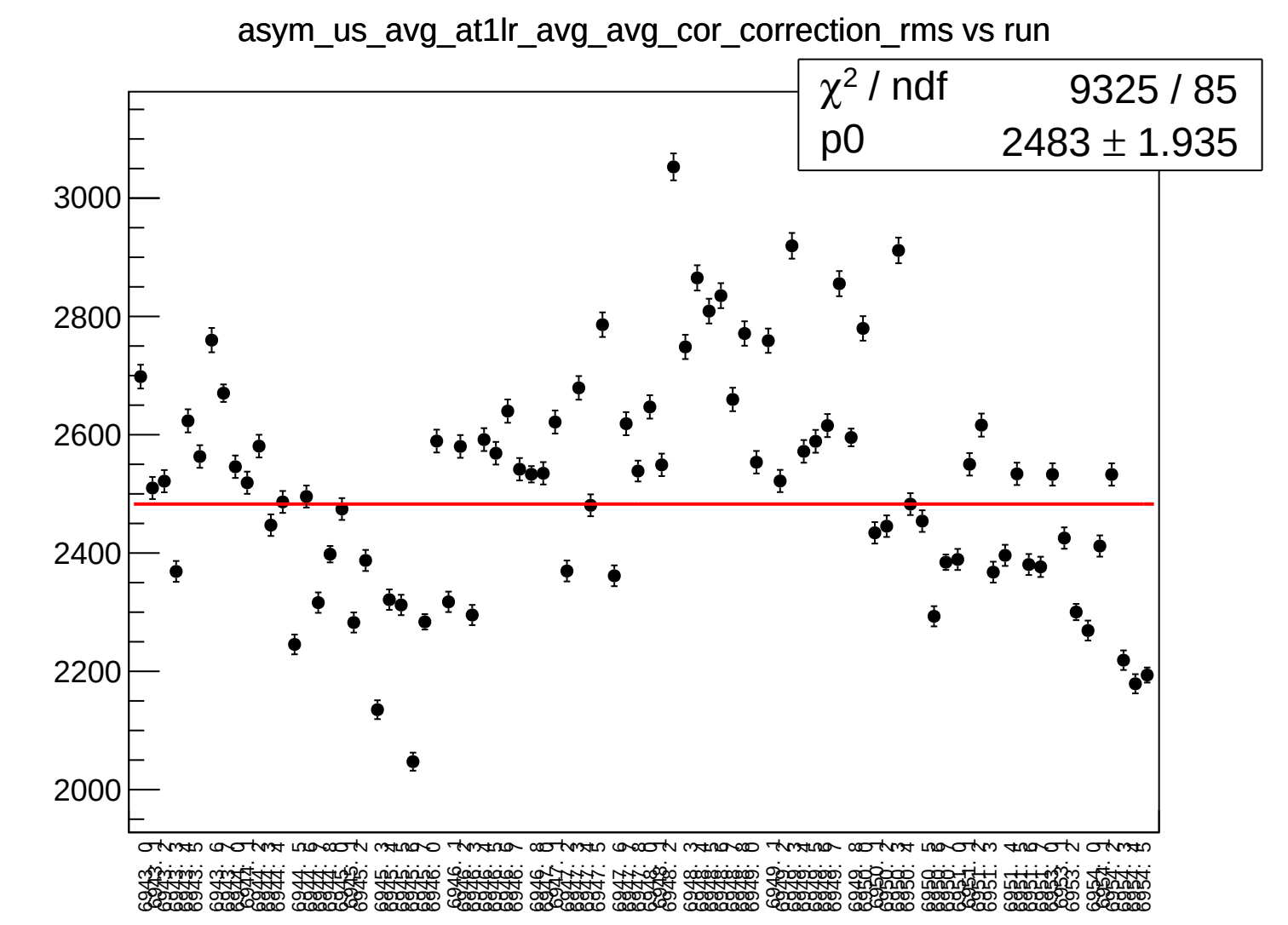

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 105.9 / 85
p0 7180 ± 2393
pull
Entries 86
Mean 502
Std Dev 0

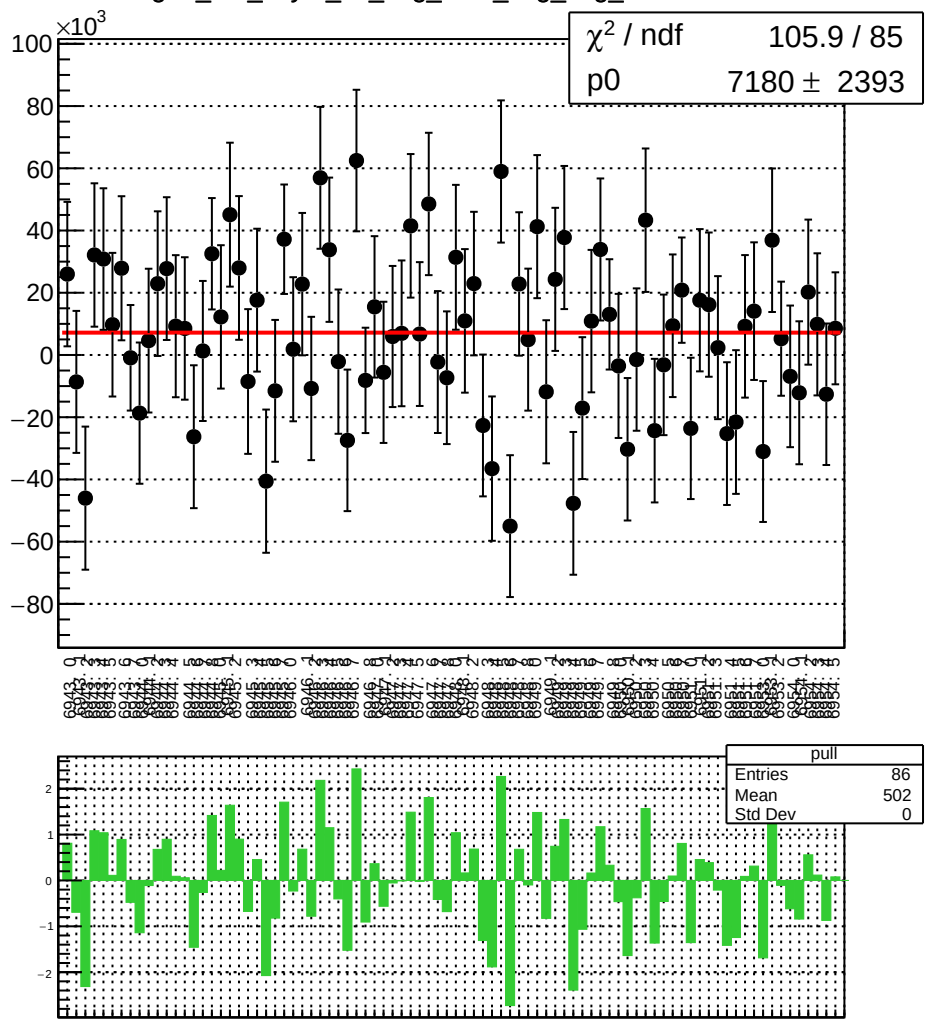

pull1D
Entries 86
Mean −0.007467
Std Dev 1.11

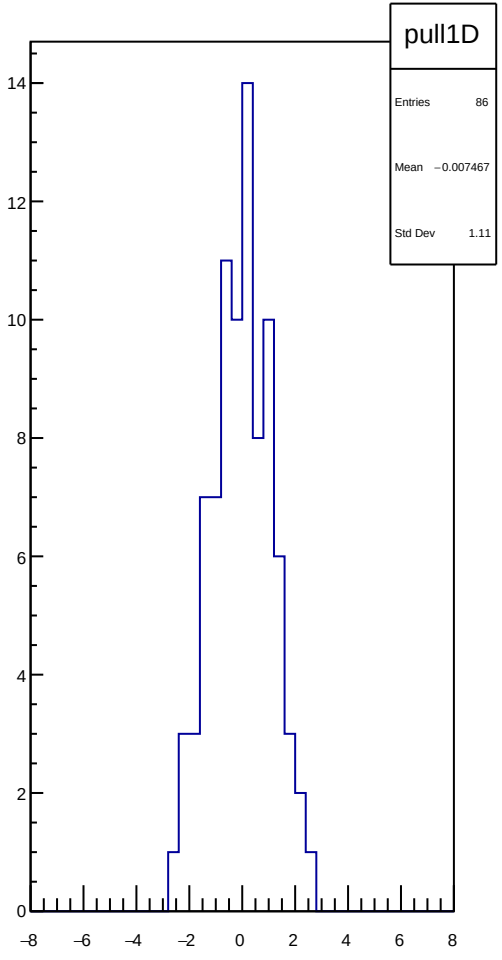

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 92.97 / 85
p0 2178 ± 1.692
2240
2220
2200
2180
2160
2140
2120

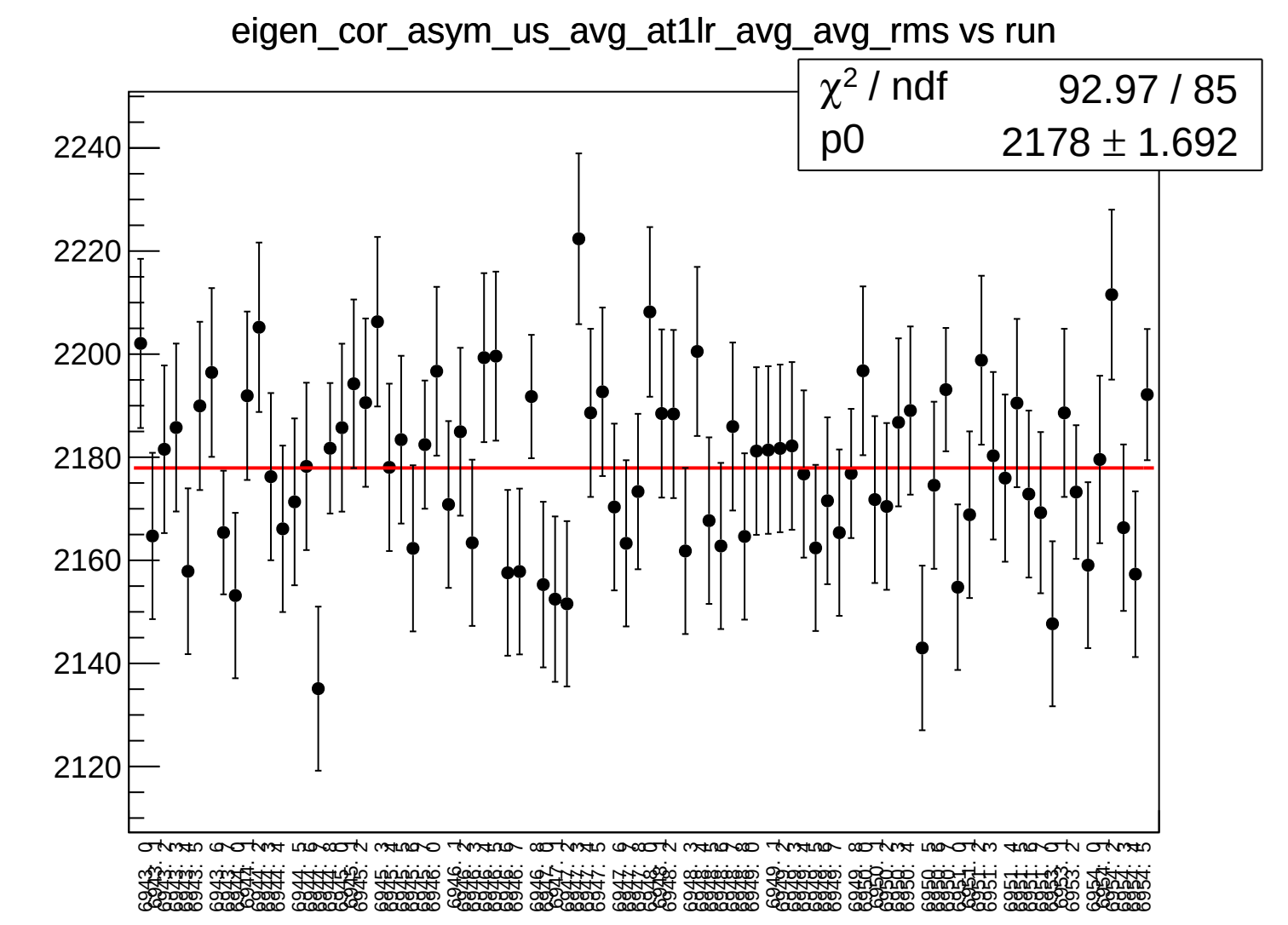

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.06 / 85
p0 −378.5 ± 2736
100
50
0
−50
−100
pull
Entries 86
Mean 117.8
Std Dev 0
3
2
1
0
−1
−2

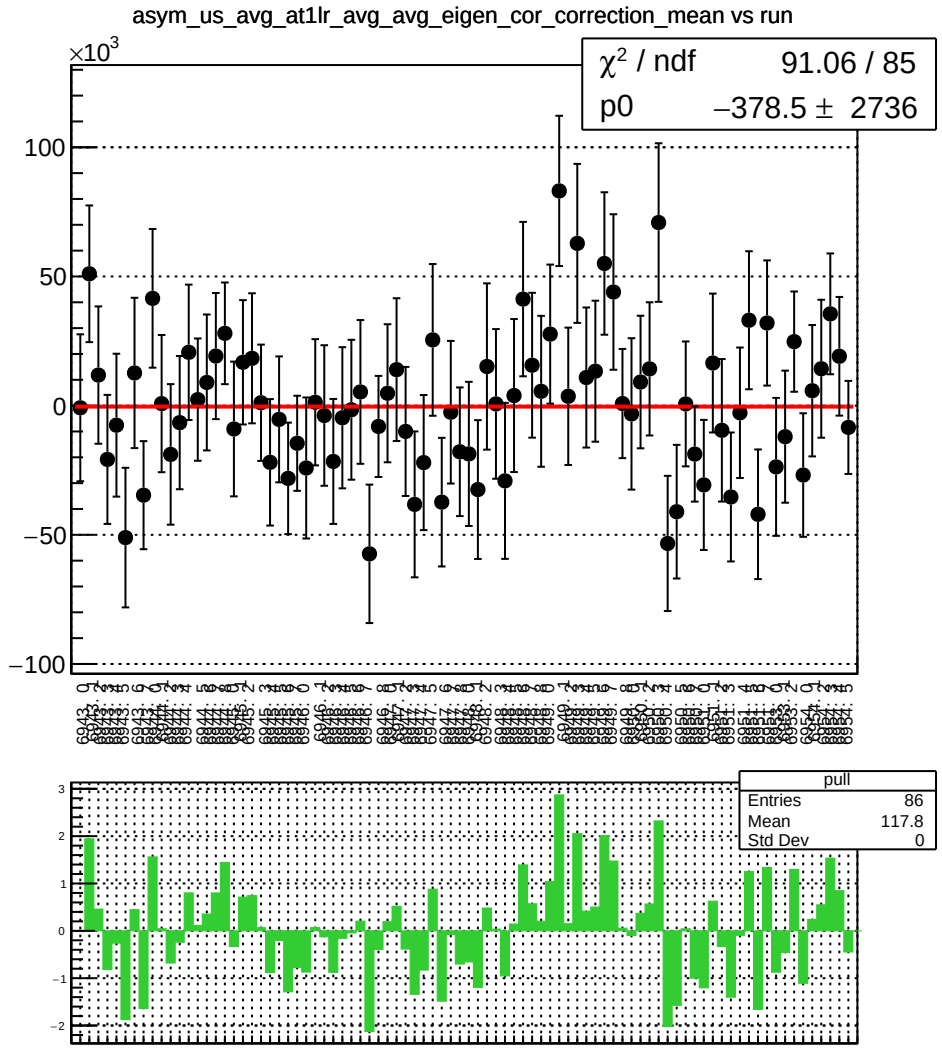

pull1D
Entries 86
Mean 0.02633
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

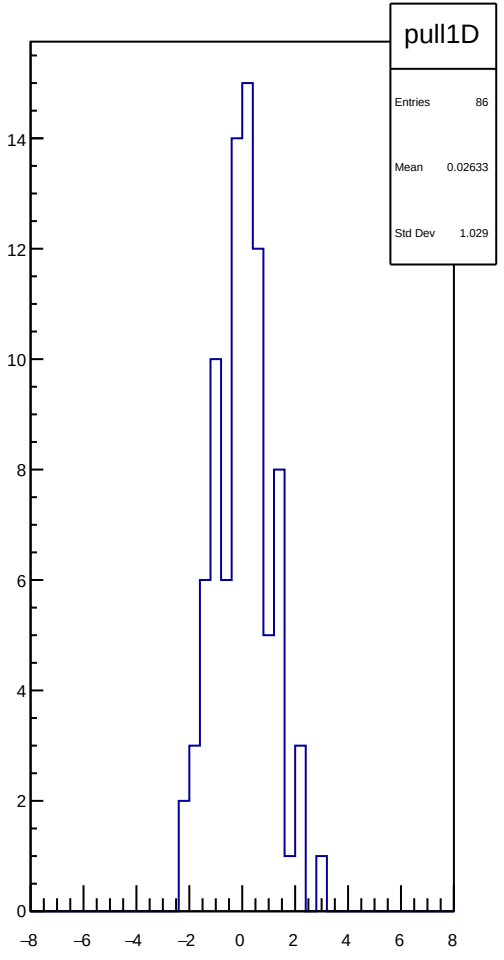

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 9325 / 85
p0 2483 ± 1.935
3000
2800
2600
2400
2200
2000

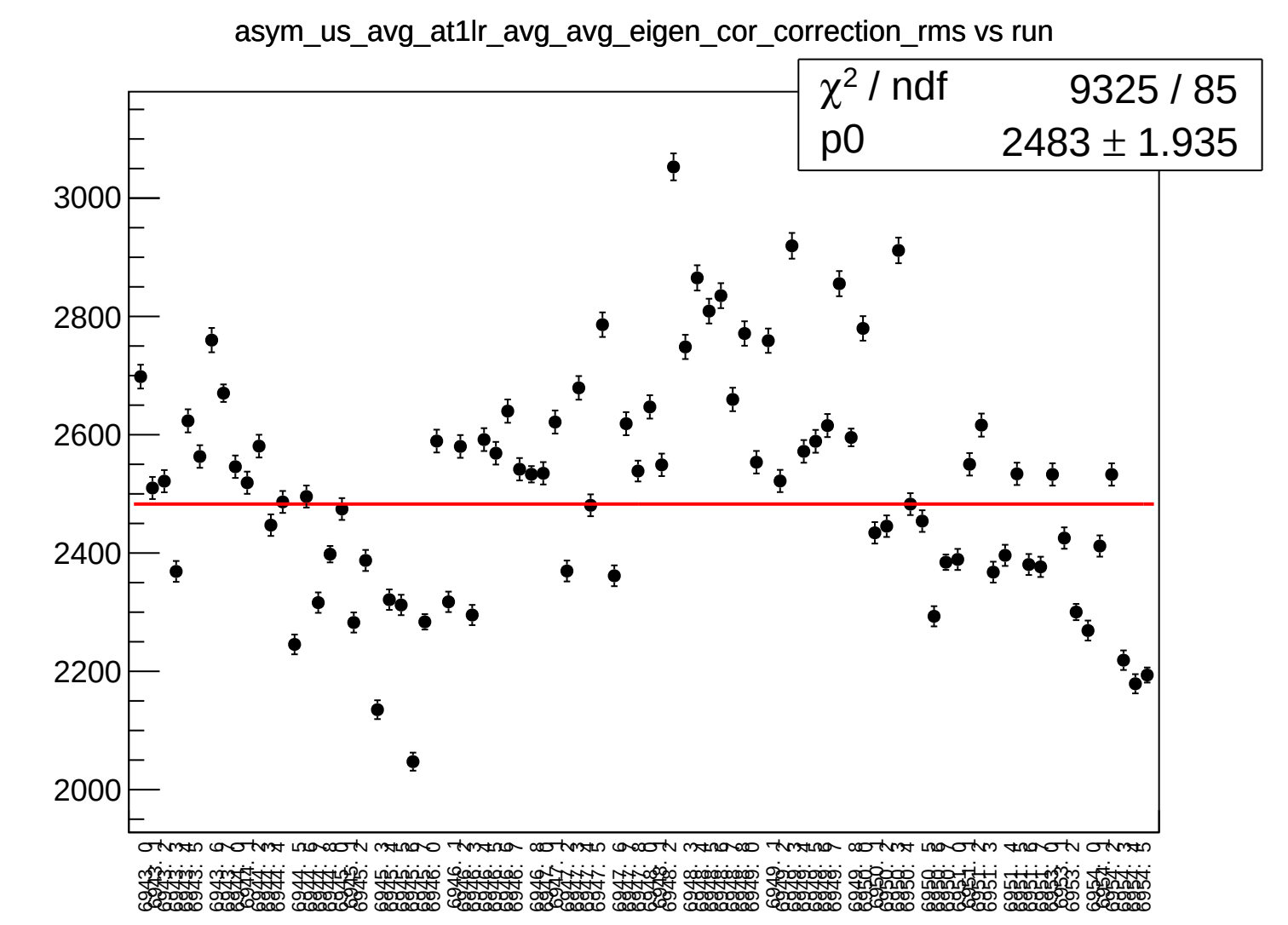

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 105.9 / 85
p0 7180 ± 2393
pull
Entries 86
Mean 502
Std Dev 0

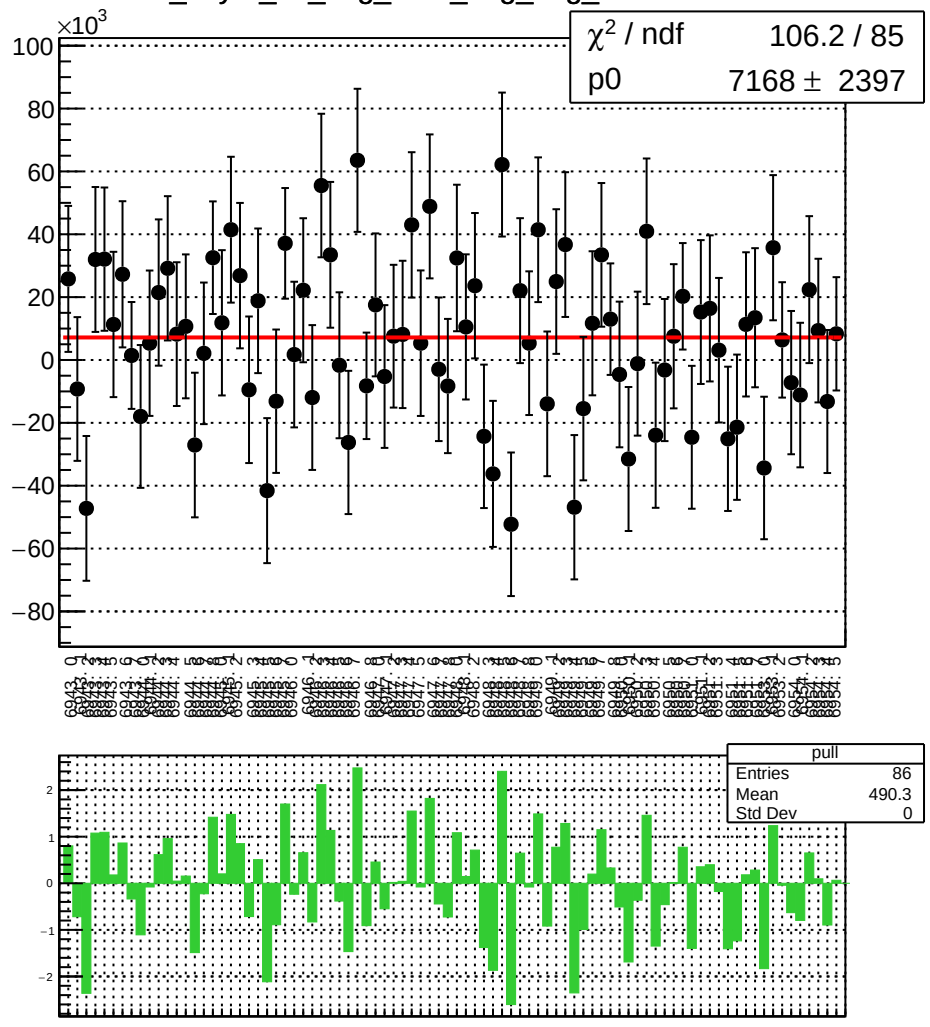

pull1D
Entries 86
Mean −0.007467
Std Dev 1.11

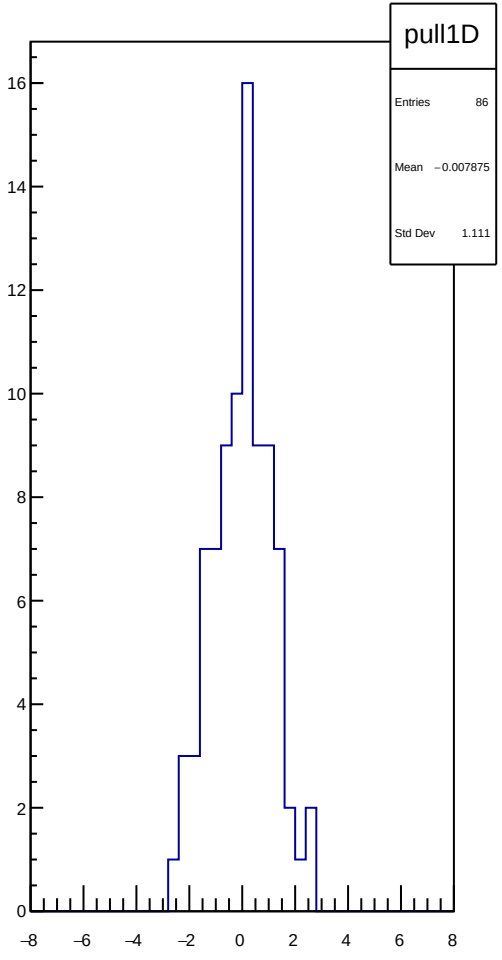

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 92.97 / 85
p0 2178 ± 1.692
2240
2220
2200
2180
2160
2140
2120

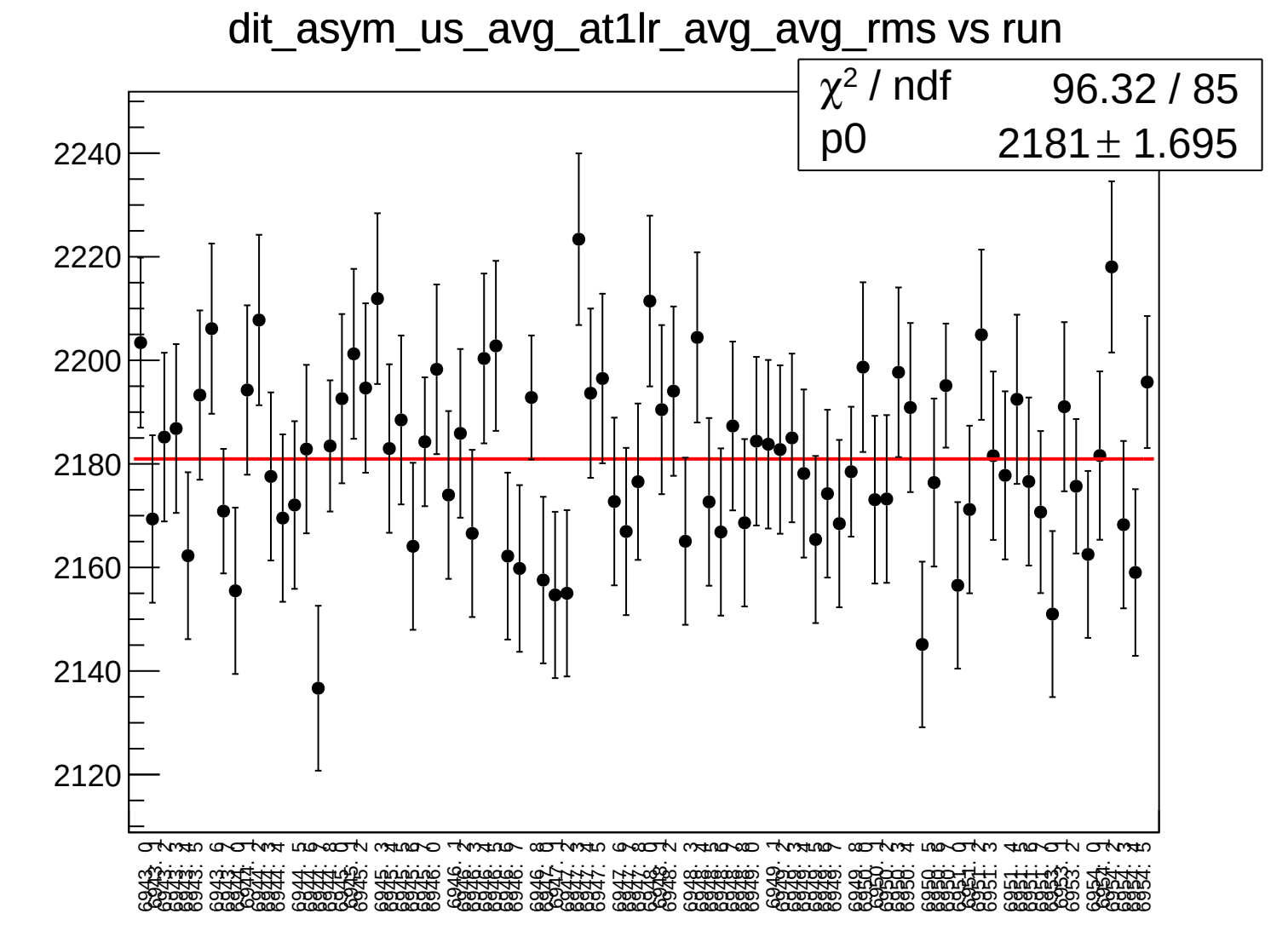

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.06 / 85
p0 −378.5 ± 2736
100
50
0
−50
−100
pull
Entries 86
Mean 117.8
Std Dev 0
3
2
1
0
−1
−2

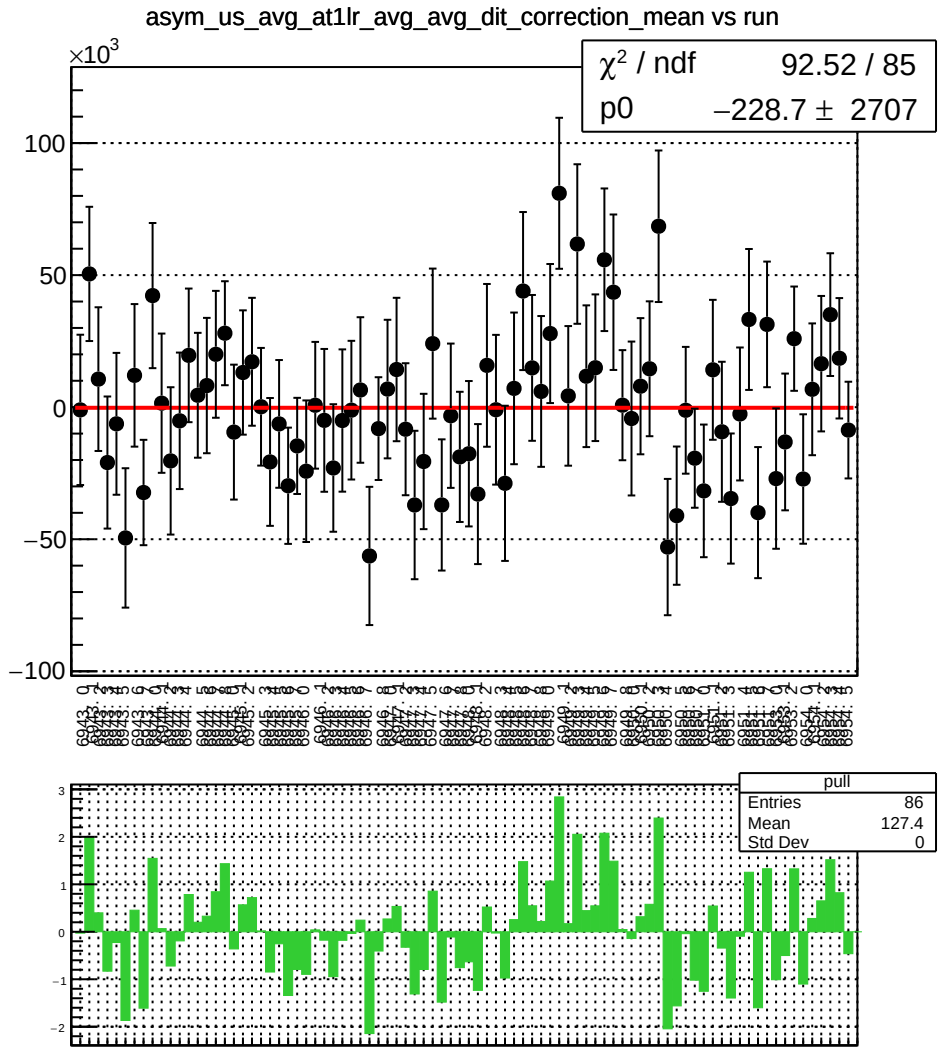

pull1D
Entries 86
Mean 0.02633
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

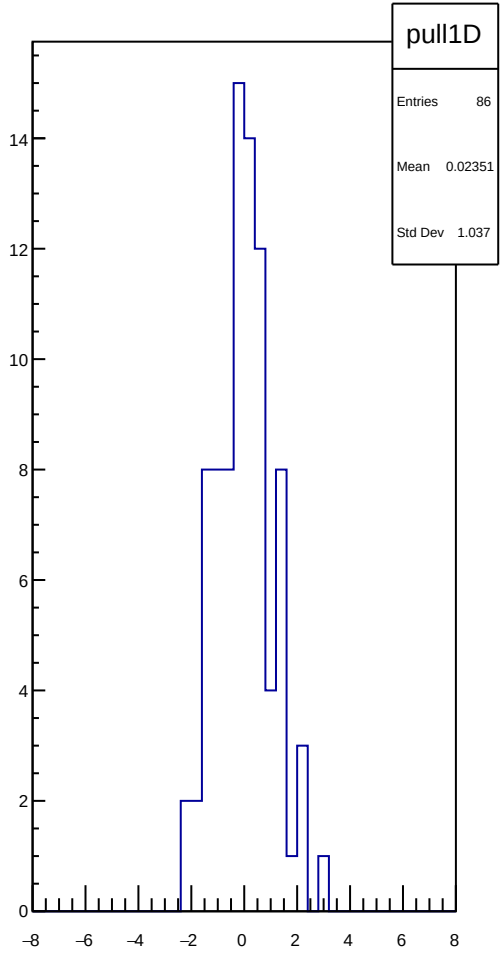

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 9325 / 85
p0 2483 ± 1.935
3000
2800
2600
2400
2200
2000

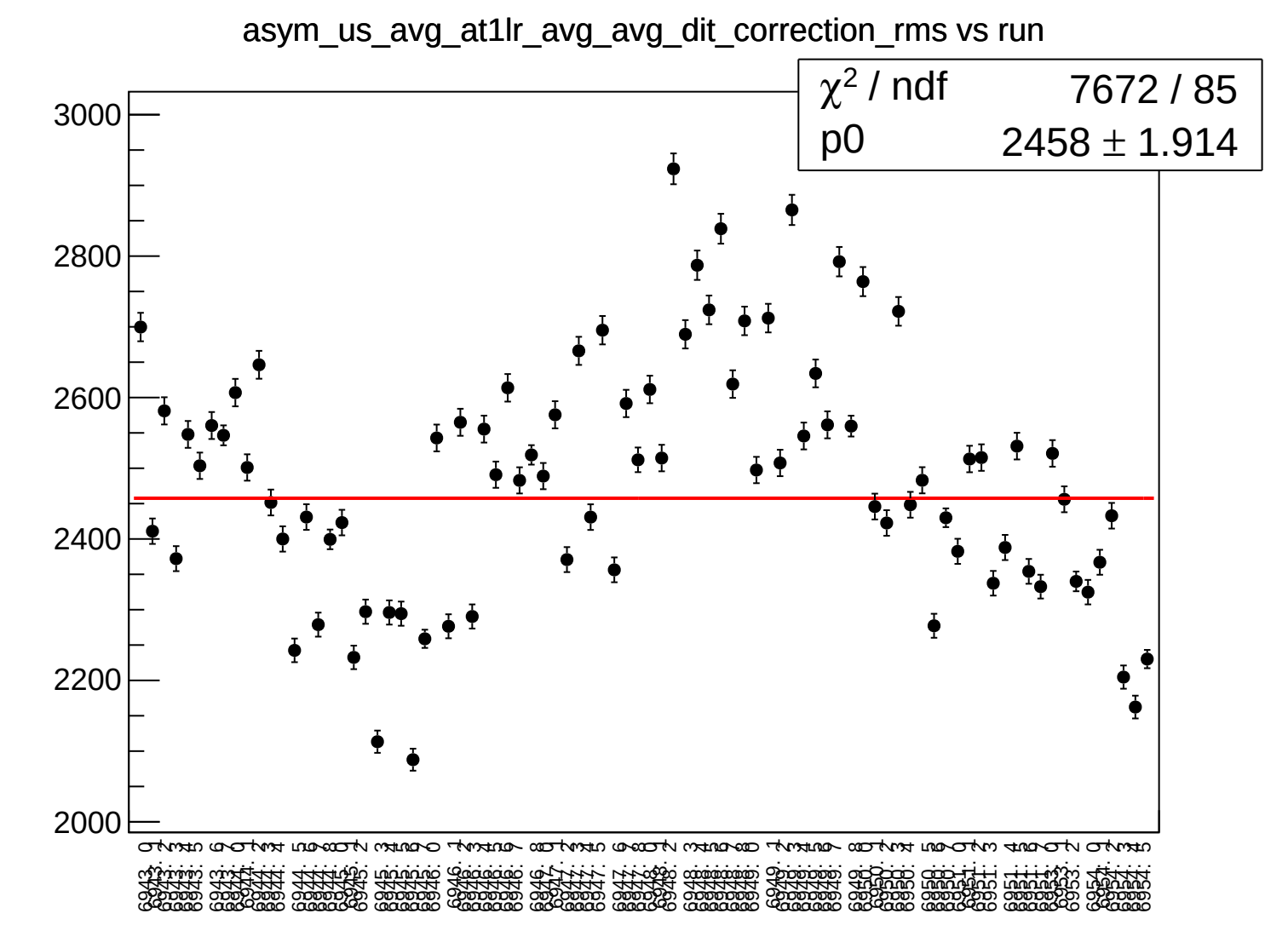

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 106.2 / 85
p0 7168 ± 2397
pull
Entries 86
Mean 490.3
Std Dev 0

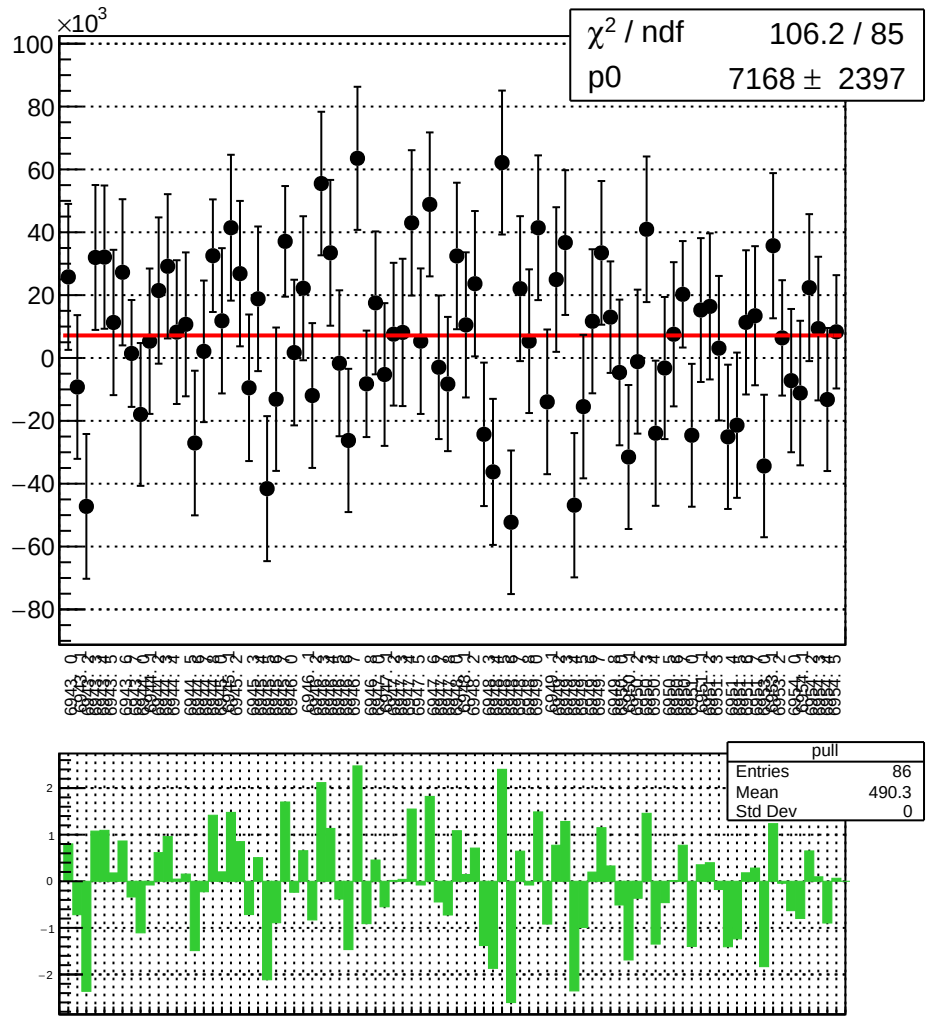

pull1D
Entries 86
Mean −0.007875
Std Dev 1.111

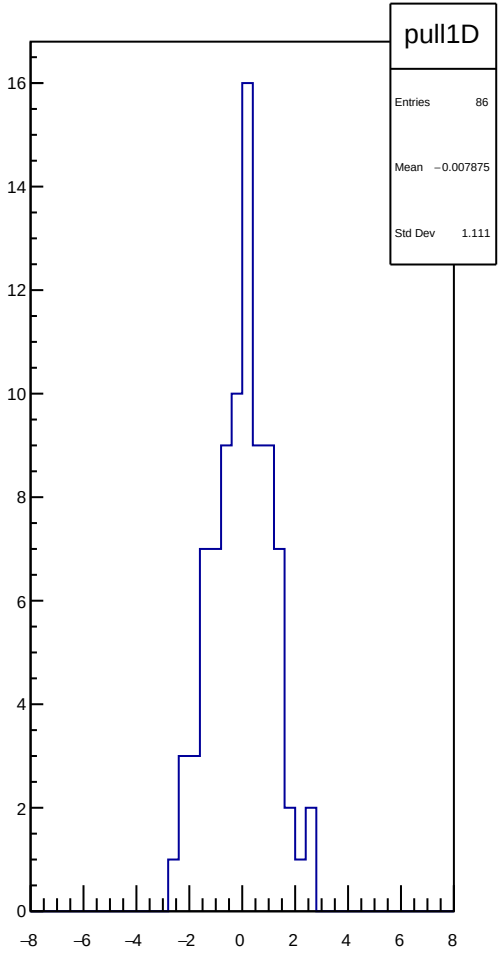

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 96.32 / 85
p0 2181 ± 1.695
2240
2220
2200
2180
2160
2140
2120

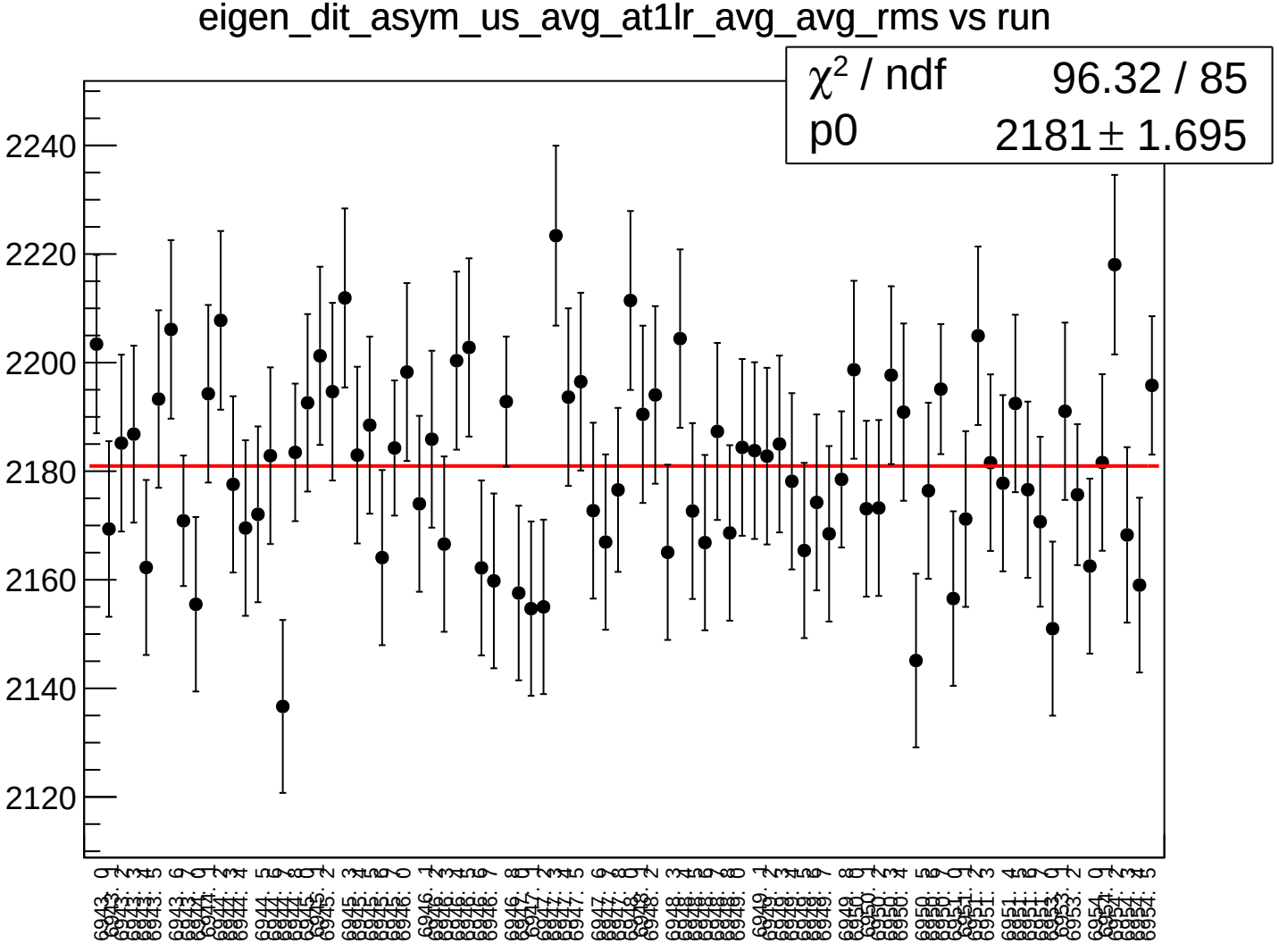

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.52 / 85
p0 −228.7 ± 2707
100
50
0
−50
−100
pull
Entries 86
Mean 127.4
Std Dev 0
3
2
1
0
−1
−2

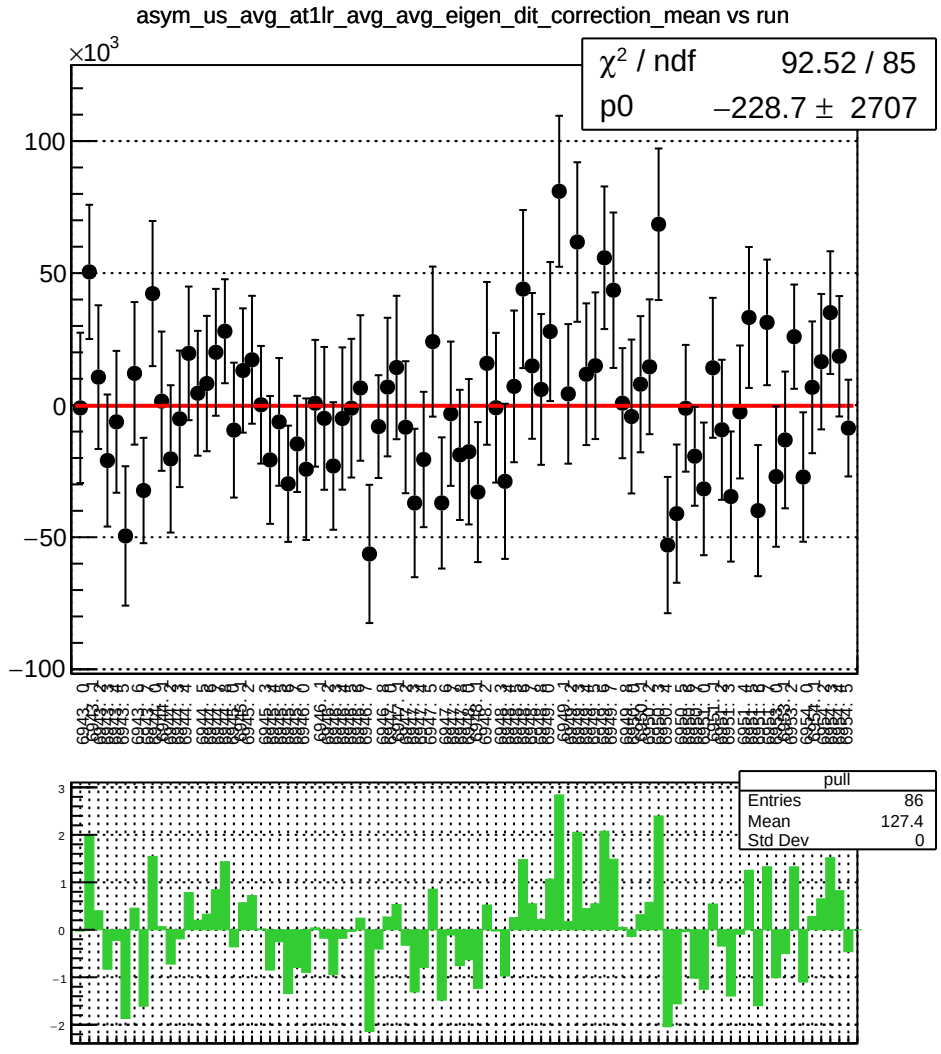

pull1D
Entries 86
Mean 0.02351
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

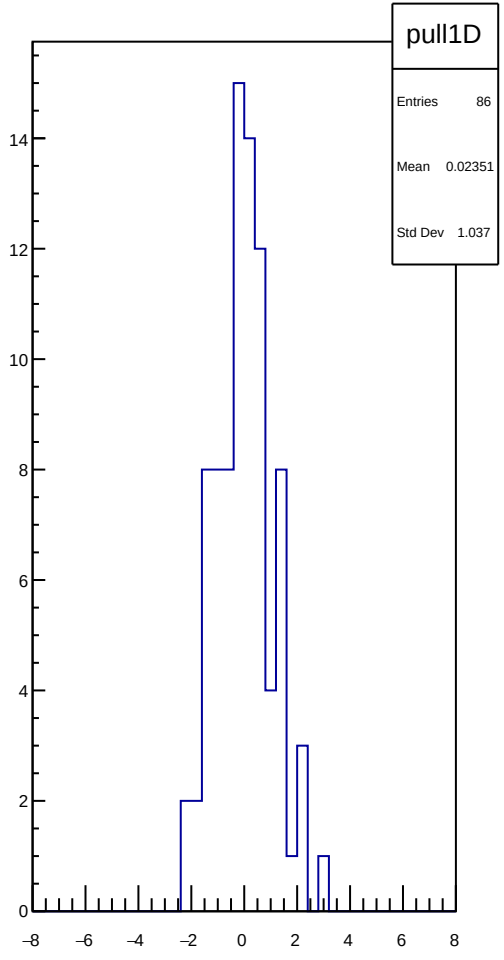

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 7672 / 85
p0 2458 ± 1.914
3000
2800
2600
2400
2200
2000

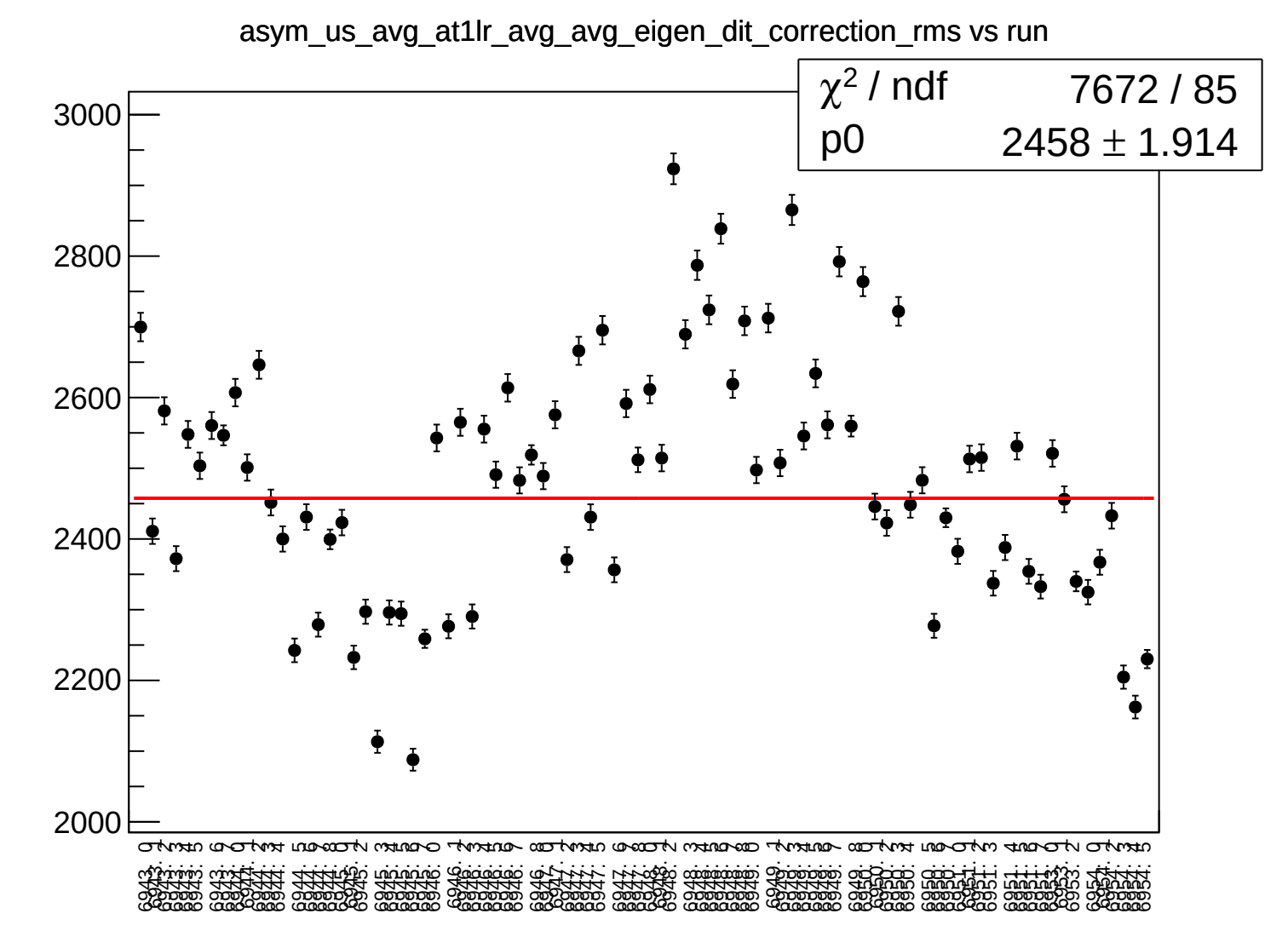

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ^2 / ndf 106.2 / 85
p0 7168 ± 2397
×10^3
pull
Entries 86
Mean 490.3
Std Dev 0

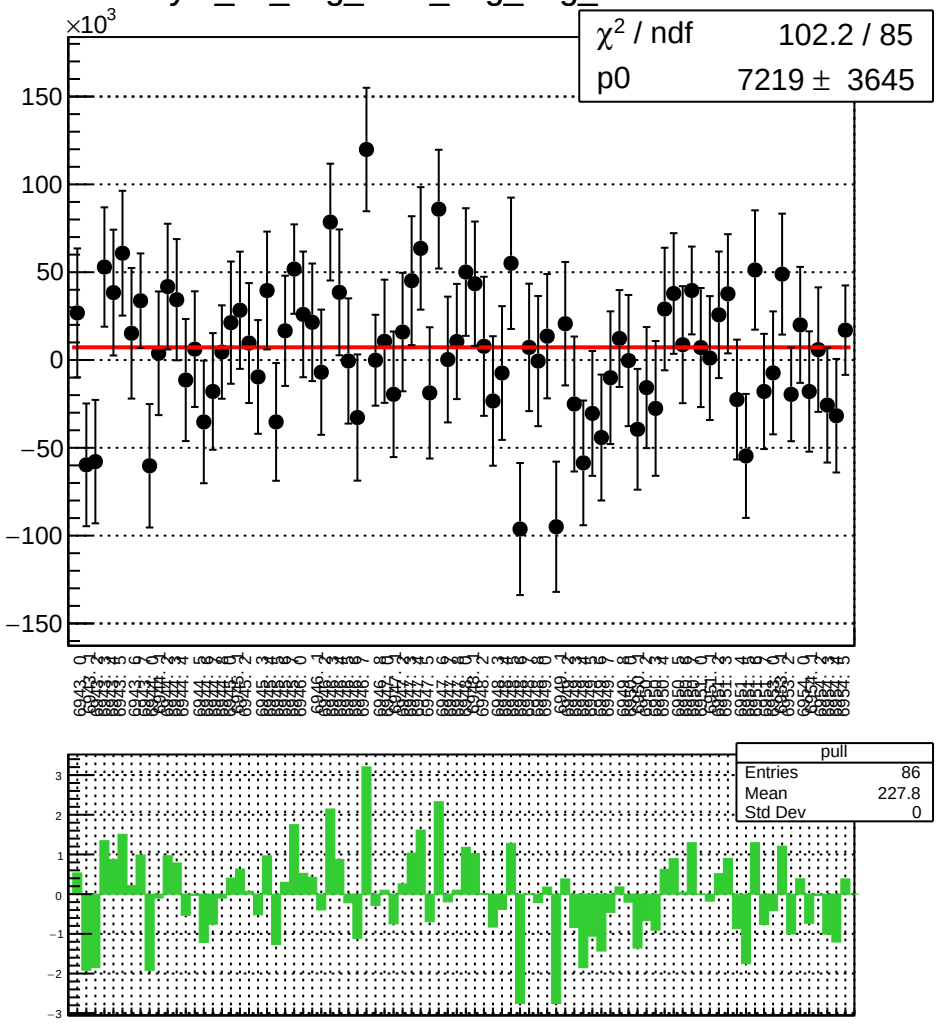

pull1D
Entries 86
Mean −0.007875
Std Dev 1.111

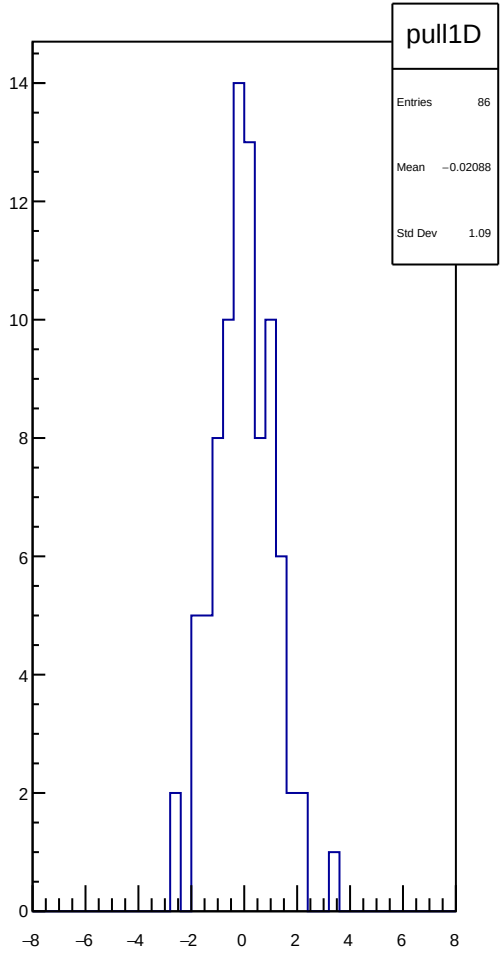

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 96.32 / 85
p0 2181 ± 1.695
2240
2220
2200
2180
2160
2140
2120

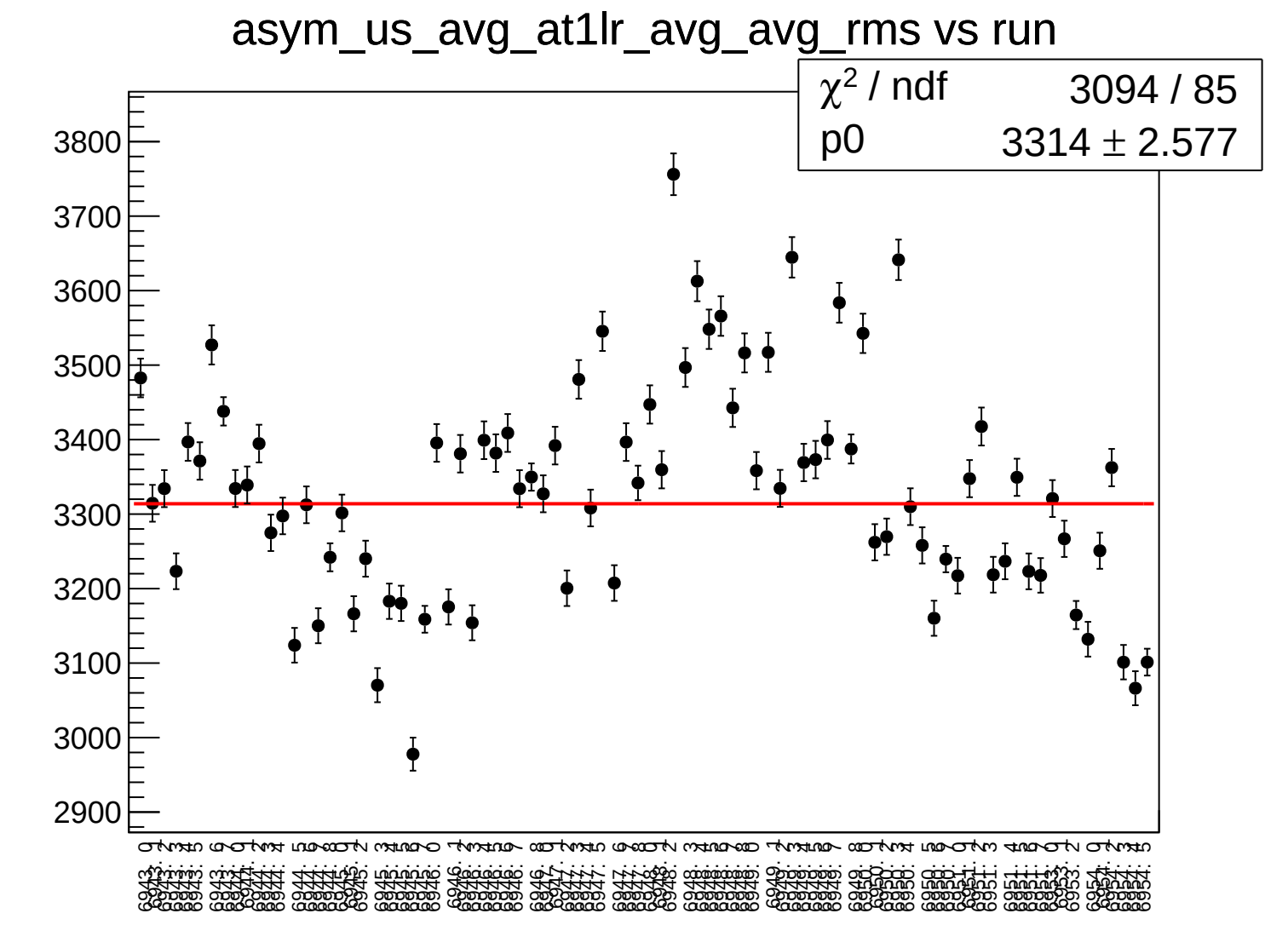

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.52 / 85
p0 −228.7 ± 2707
pull
Entries 86
Mean 127.4
Std Dev 0

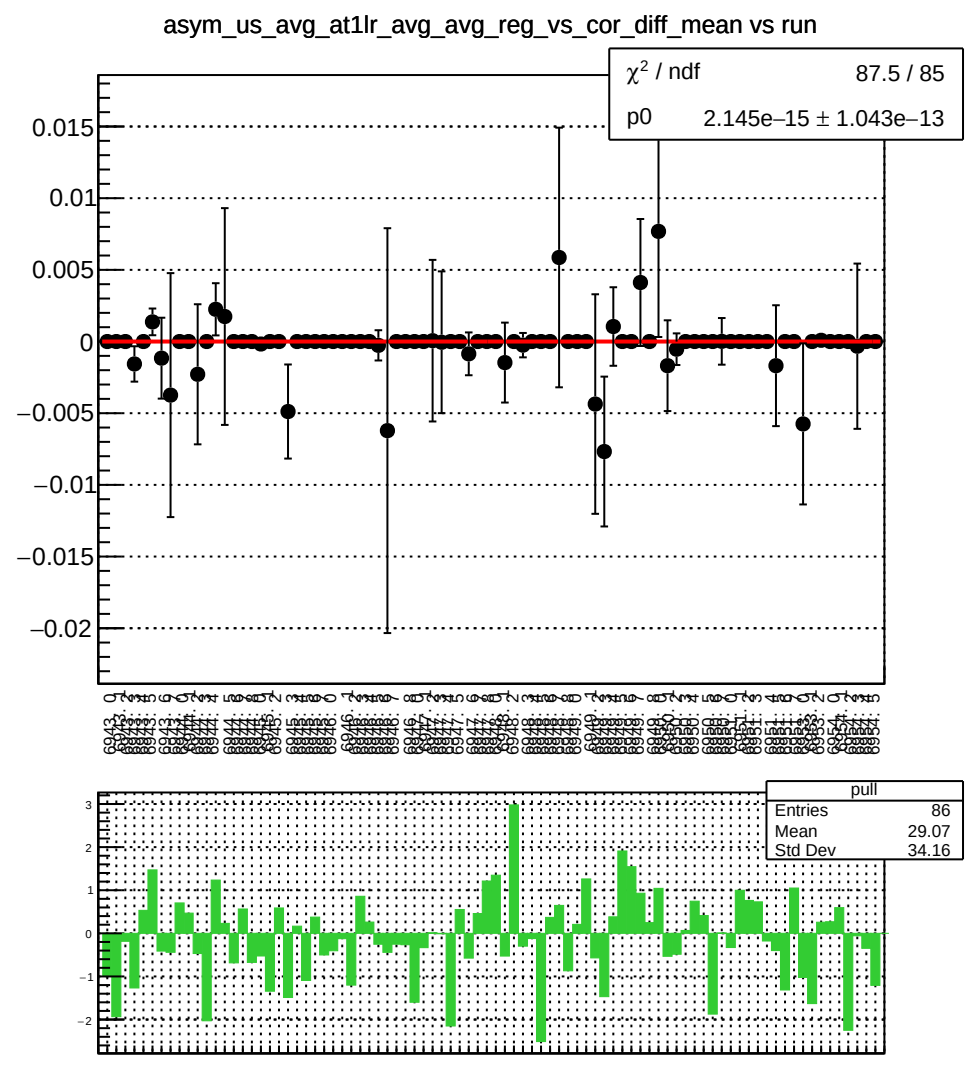

pull1D
Entries 86
Mean 0.02351
Std Dev 1.037

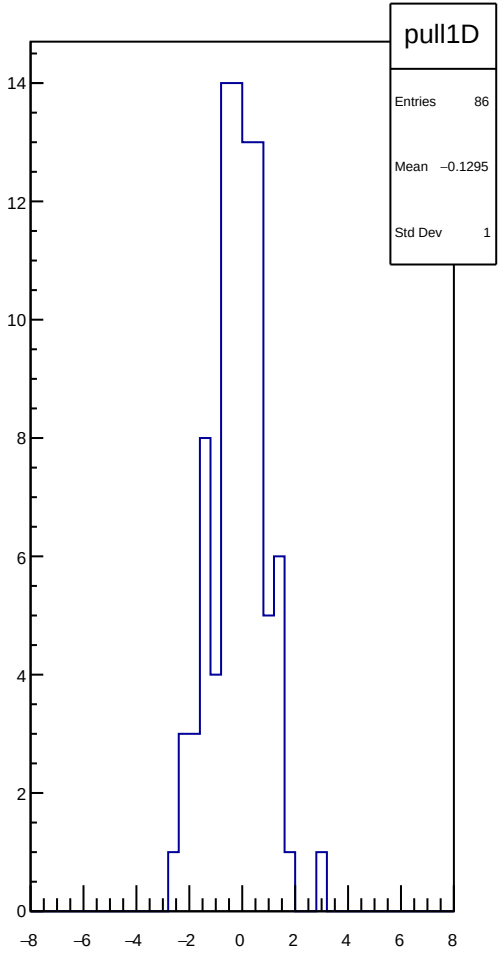

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7672 / 85
p0 2458 ± 1.914
3000
2800
2600
2400
2200
2000

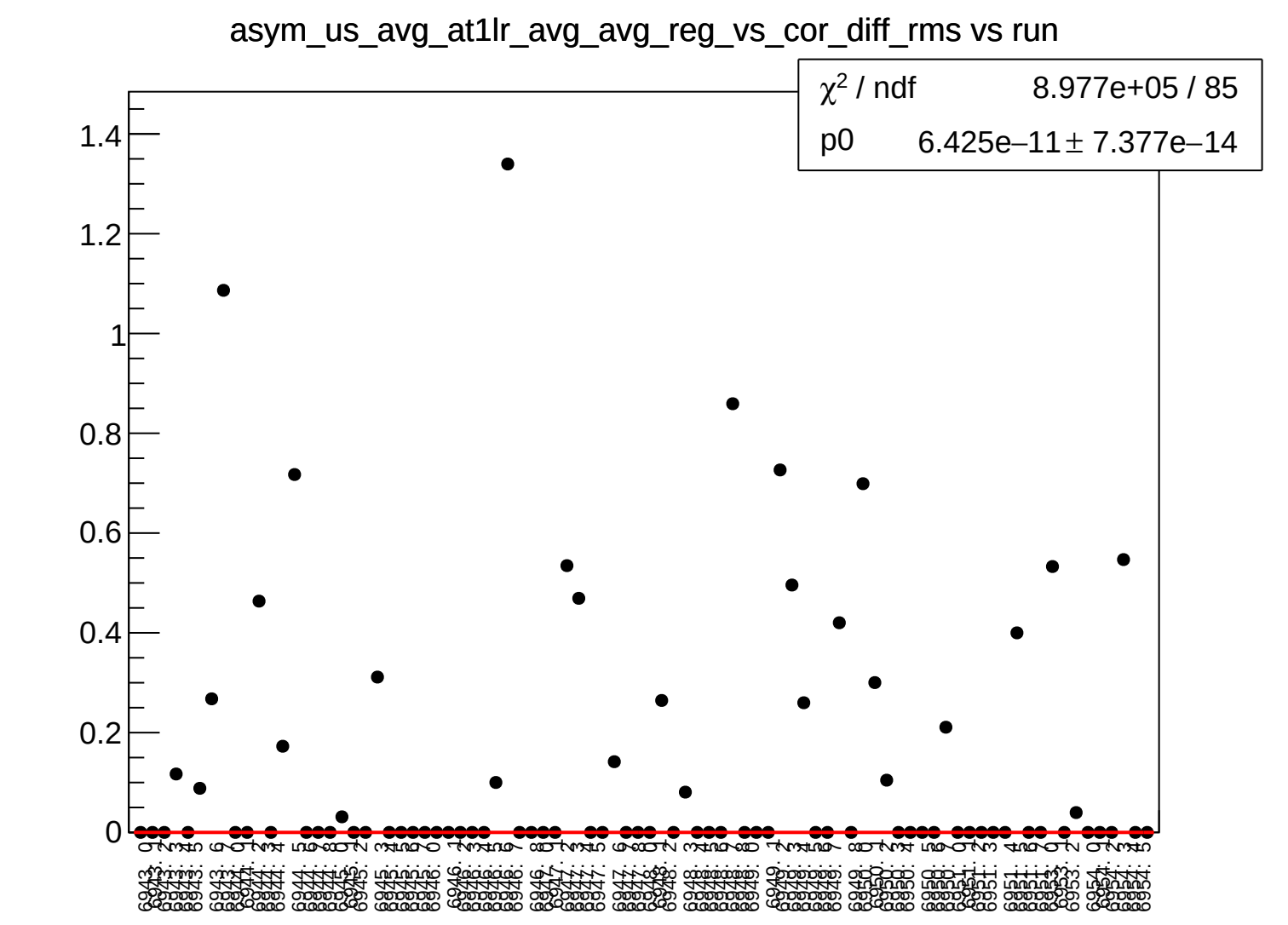

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 102.2 / 85
p0 7219 ± 3645
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 227.8
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean −0.02088
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

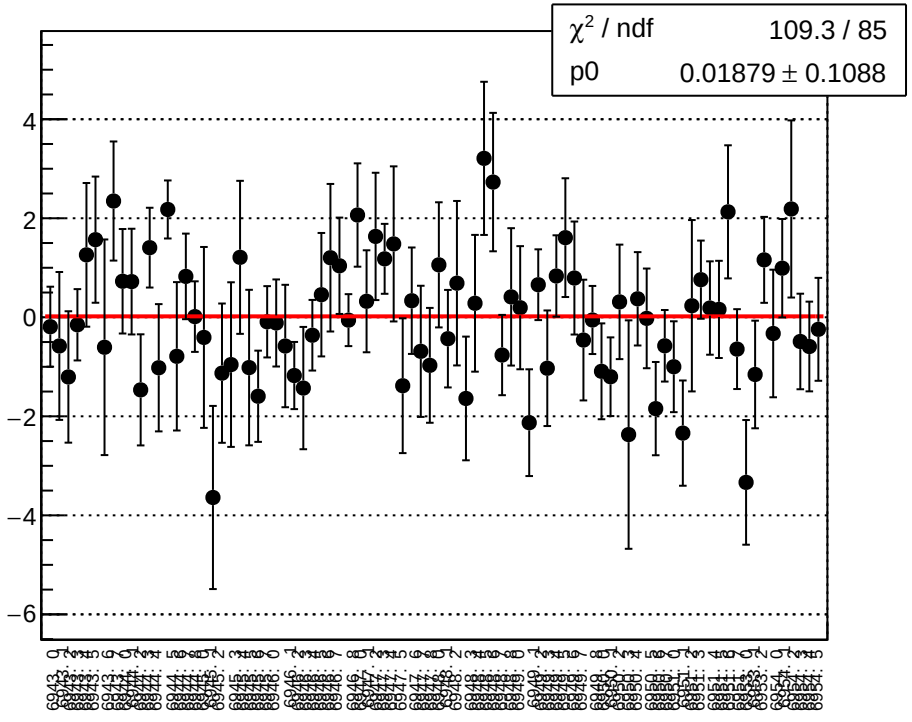

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 3094 / 85
p0 3314 ± 2.577
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900

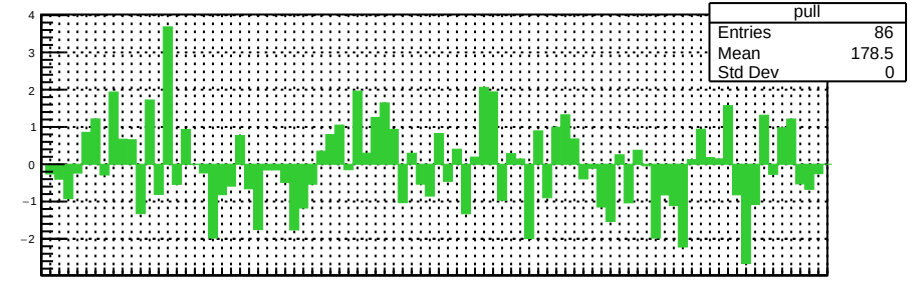

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.5 / 85
p0 2.145e−15 ± 1.043e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 86
Mean 29.07
Std Dev 34.16
3
2
1
0
−1
−2

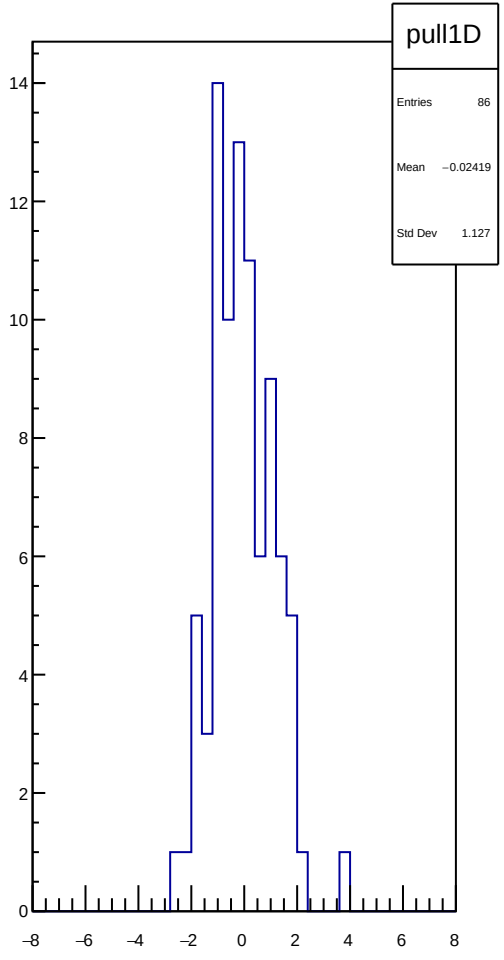

pull1D
Entries 86
Mean −0.1295
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

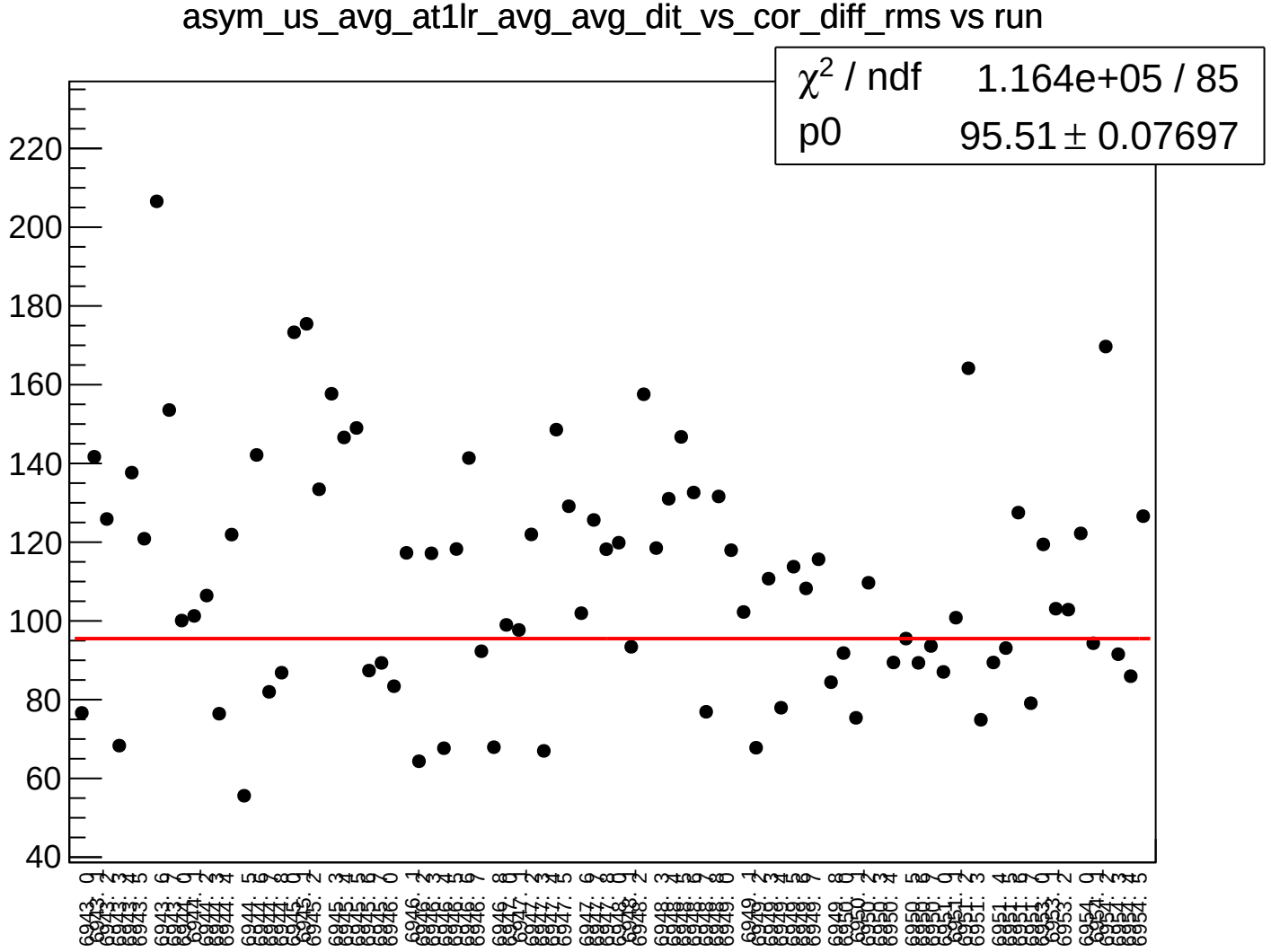

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.977e+05 / 85
p0 6.425e−11 ± 7.377e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

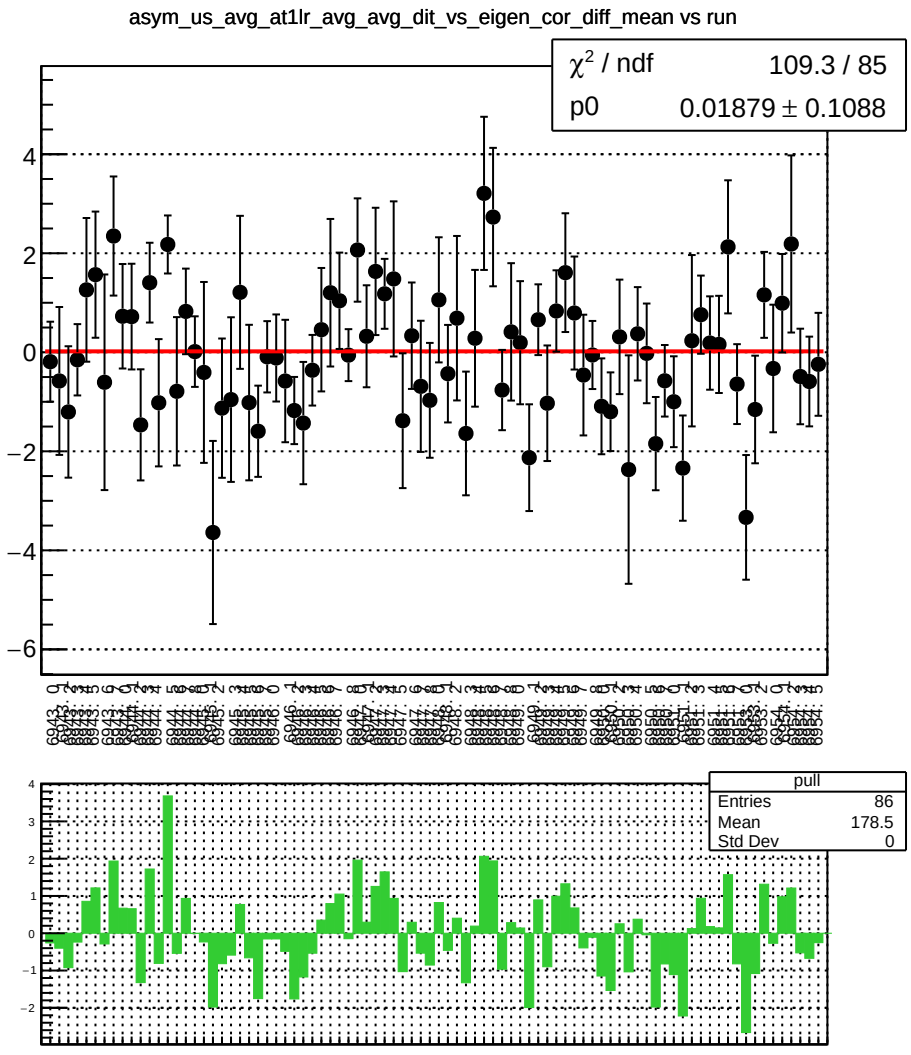
asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run

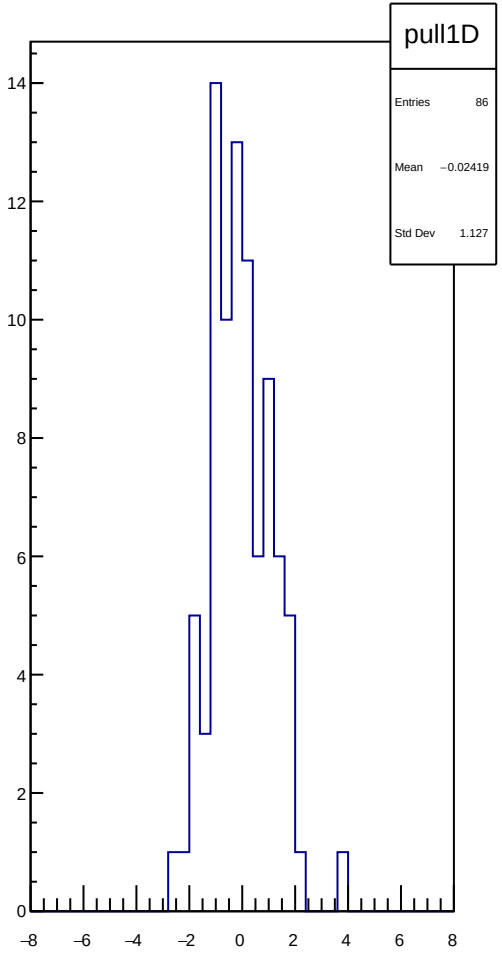


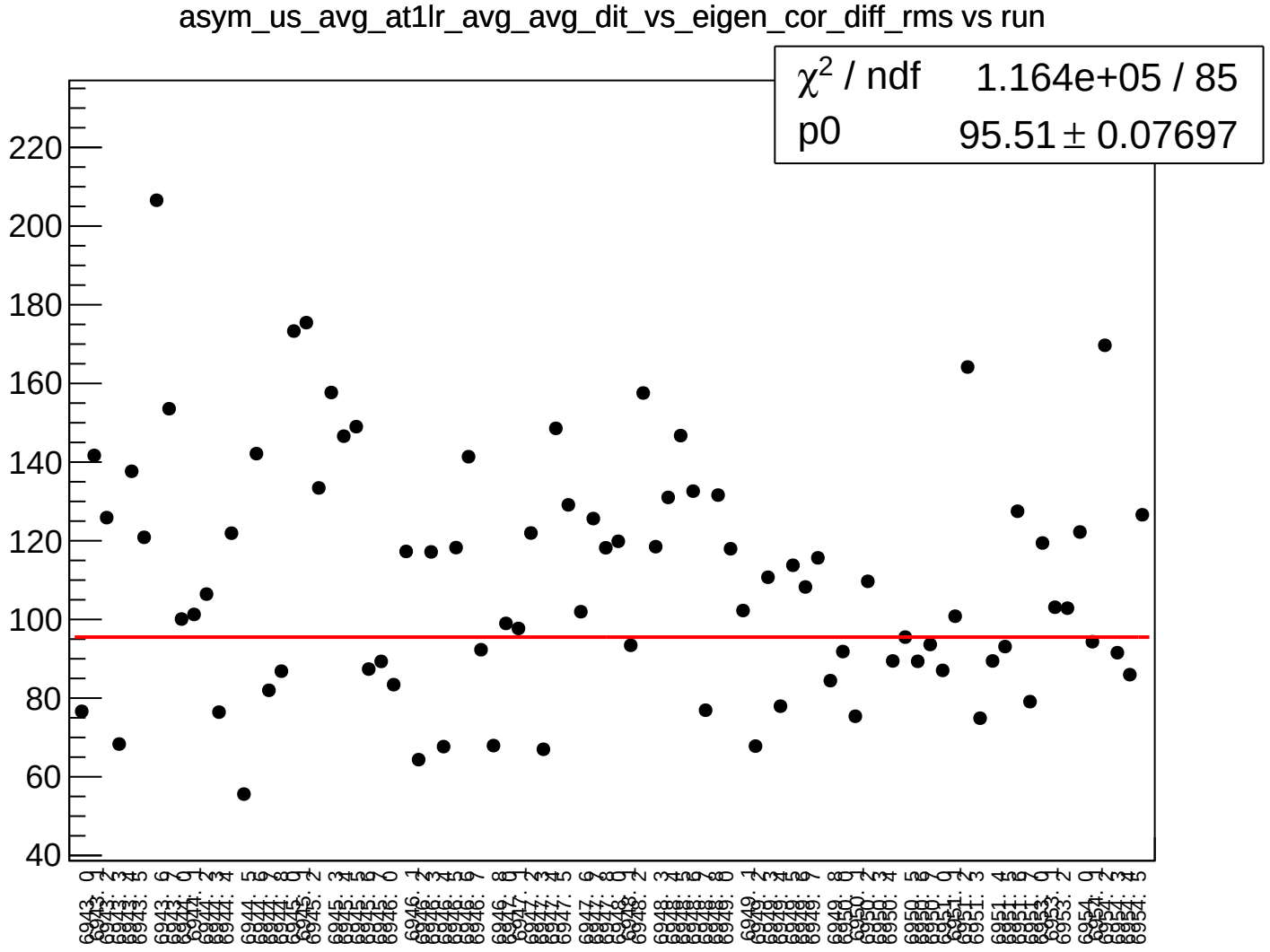


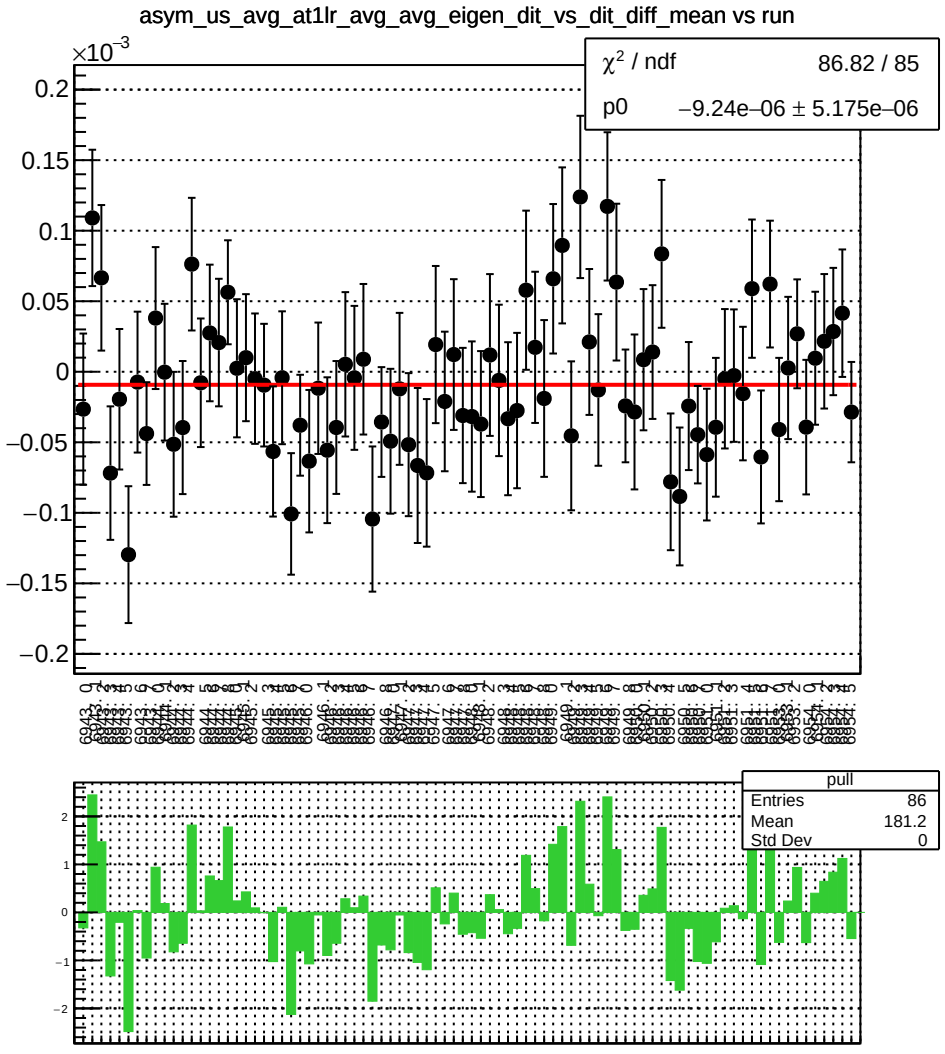


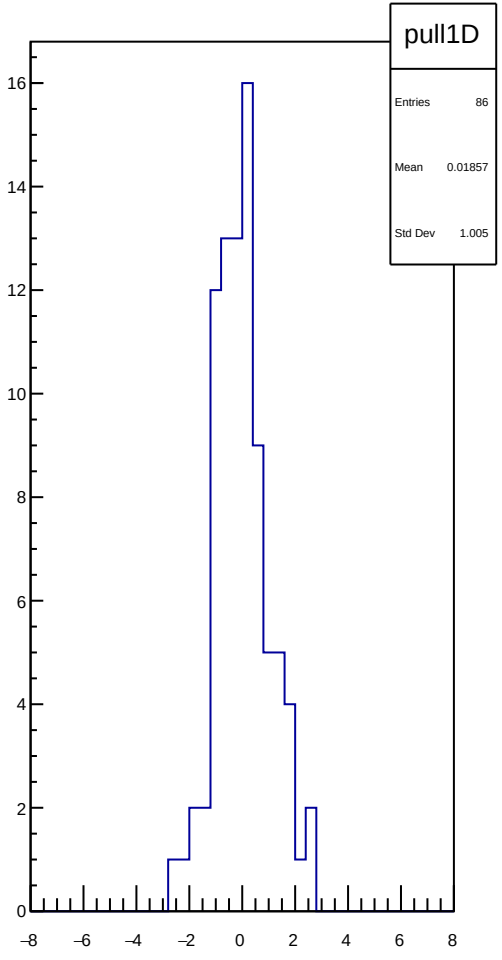

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.164e+05 / 85
p0 95.51 ± 0.07697
220
200
180
160
140
120
100
80
60
40

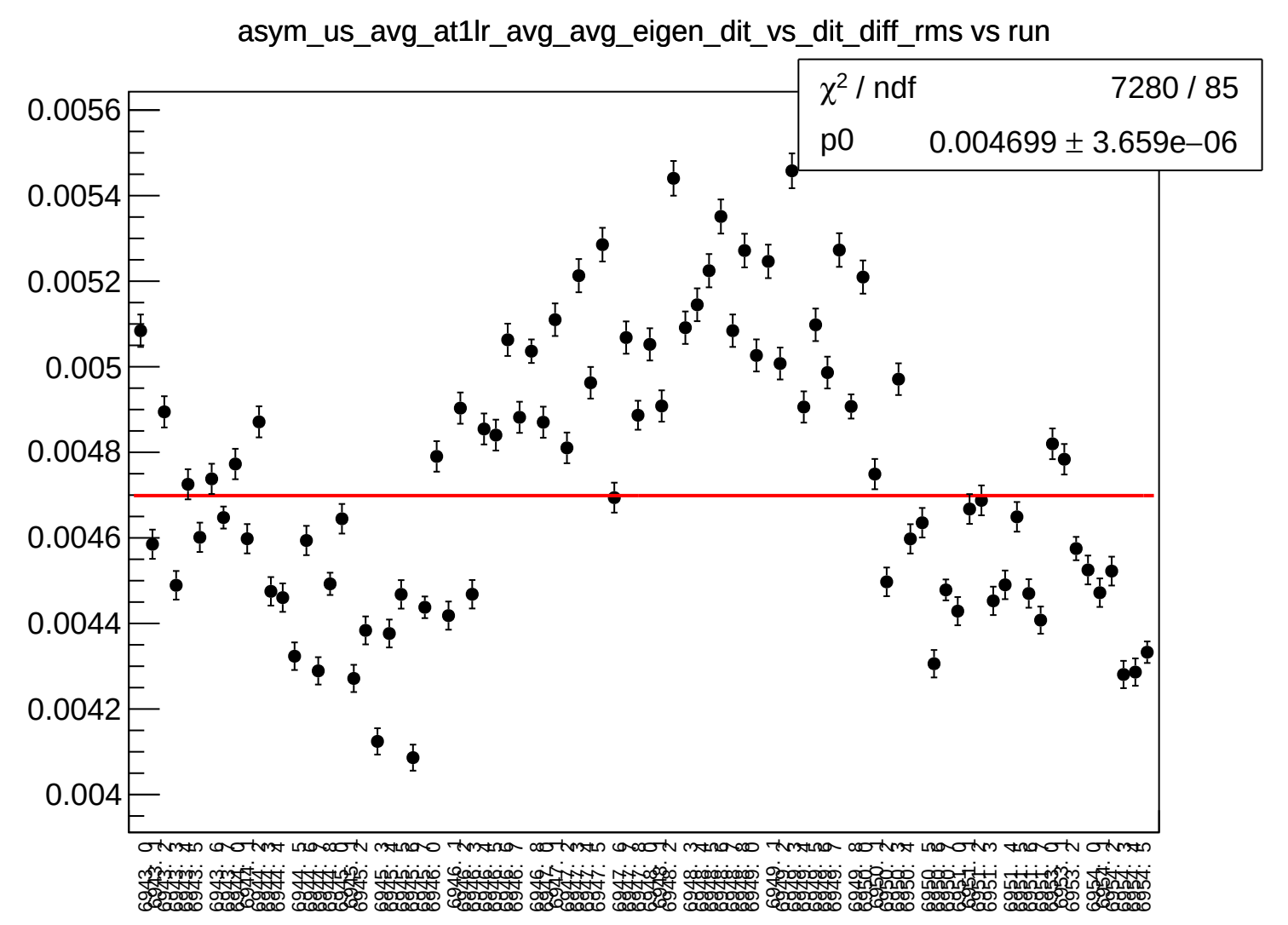

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.3 / 85
p0 0.01879 ± 0.1088
pull
Entries 86
Mean 178.5
Std Dev 0

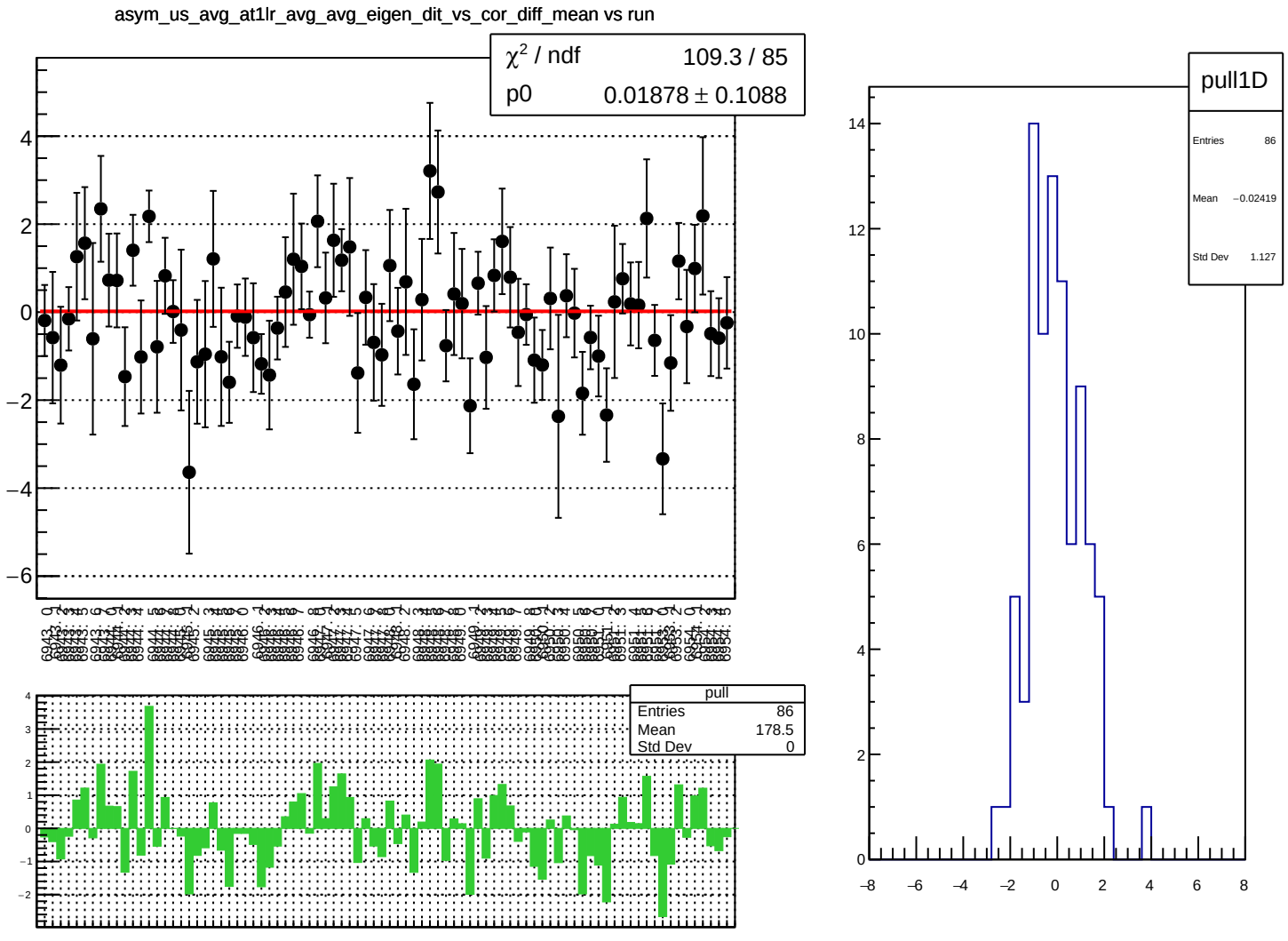

pull1D
Entries 86
Mean −0.02419
Std Dev 1.127

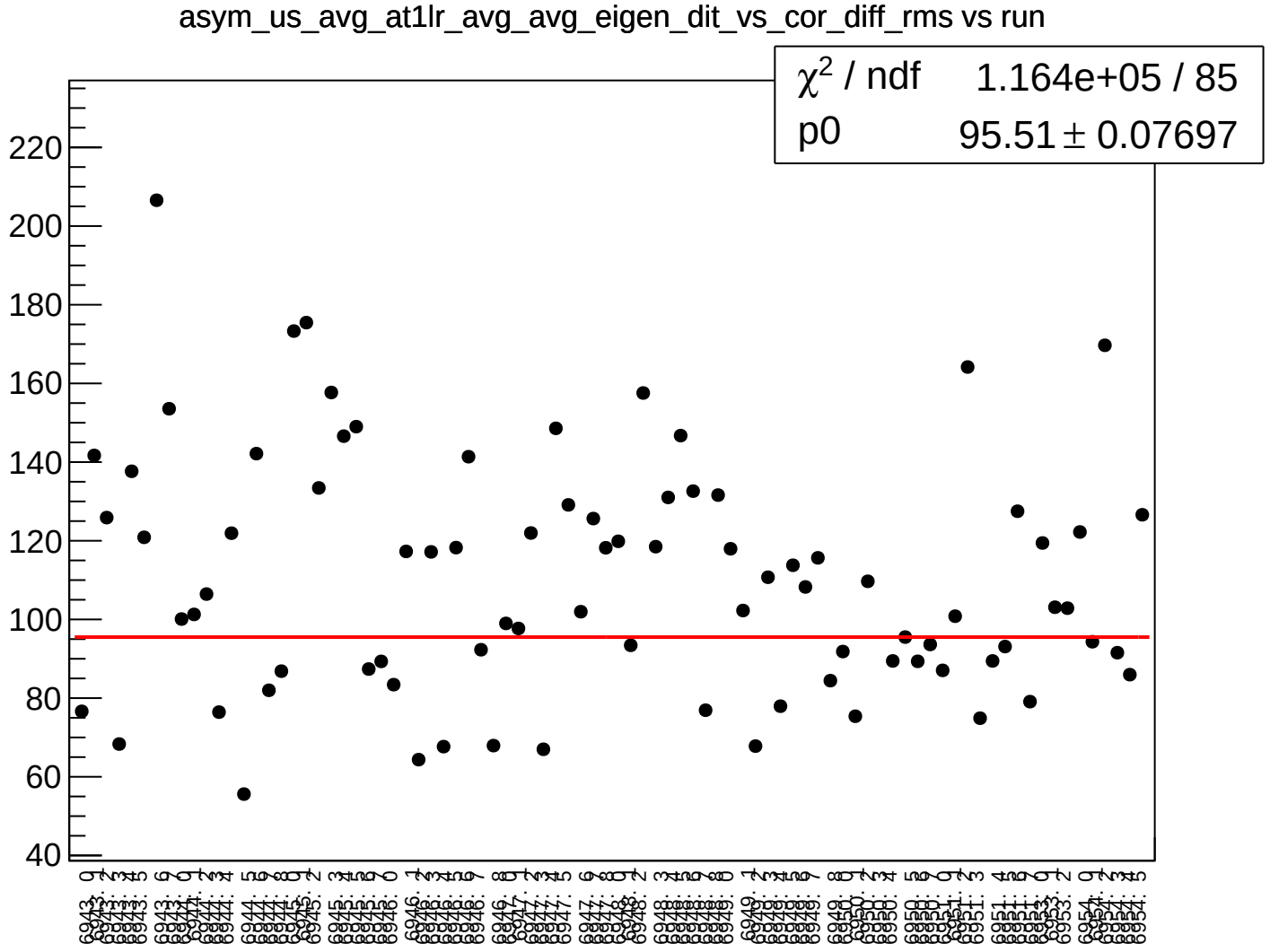

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.164e+05 / 85
p0 95.51 ± 0.07697
220
200
180
160
140
120
100
80
60
40

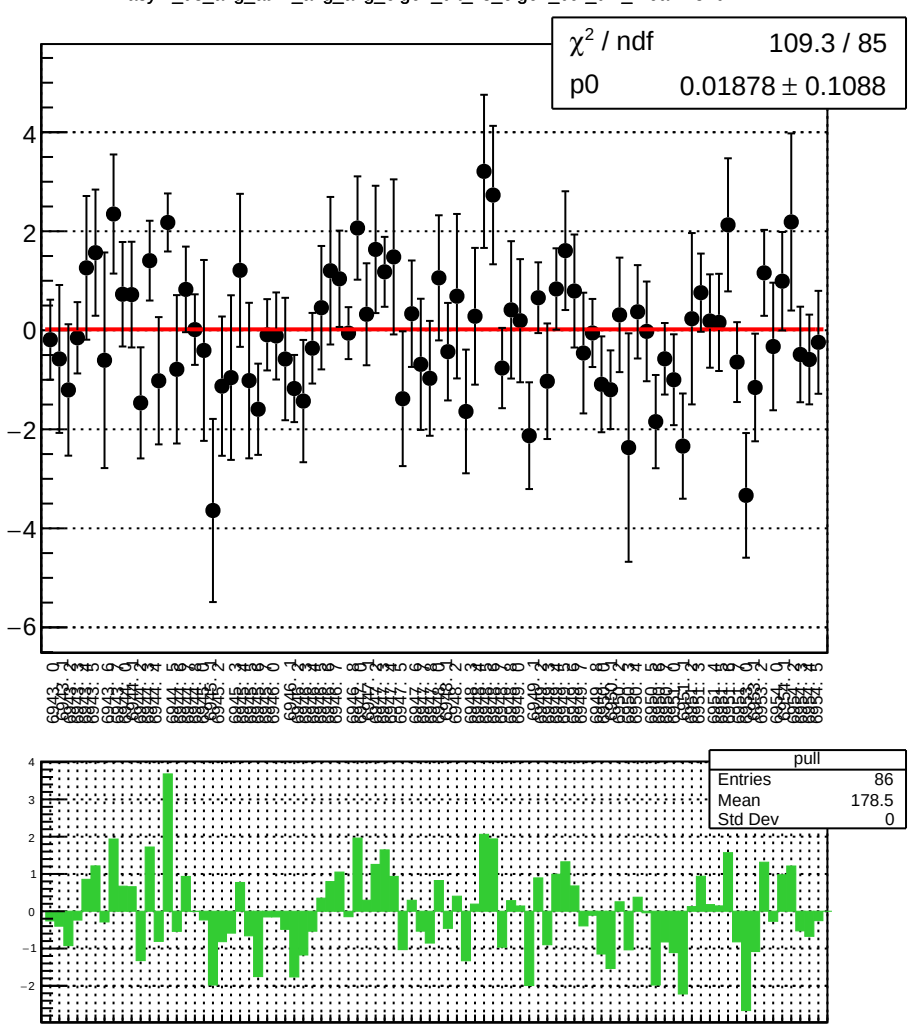

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.82 / 85
p0 −9.24e−06 ± 5.175e−06
pull
Entries 86
Mean 181.2
Std Dev 0

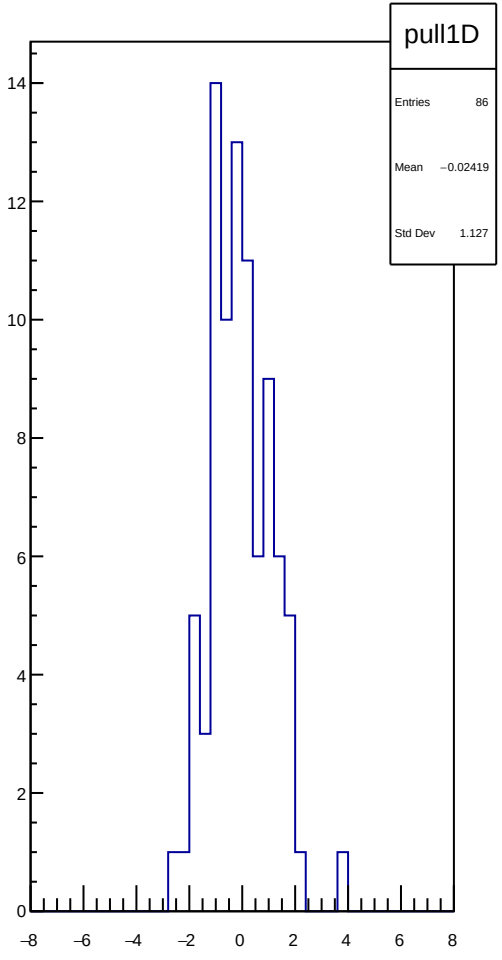

pull1D
Entries 86
Mean 0.01857
Std Dev 1.005

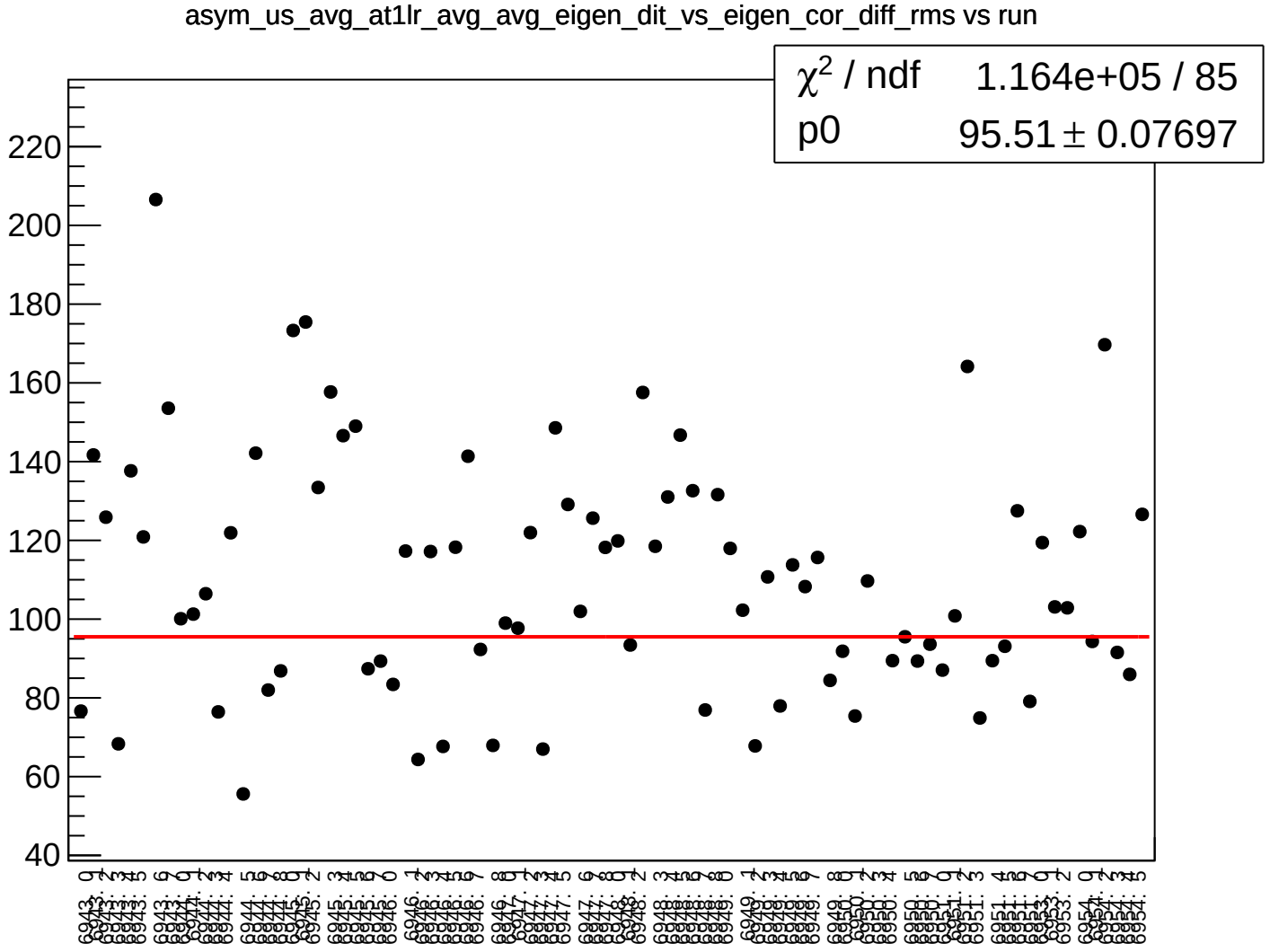

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7280 / 85
p0 0.004699 ± 3.659e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004

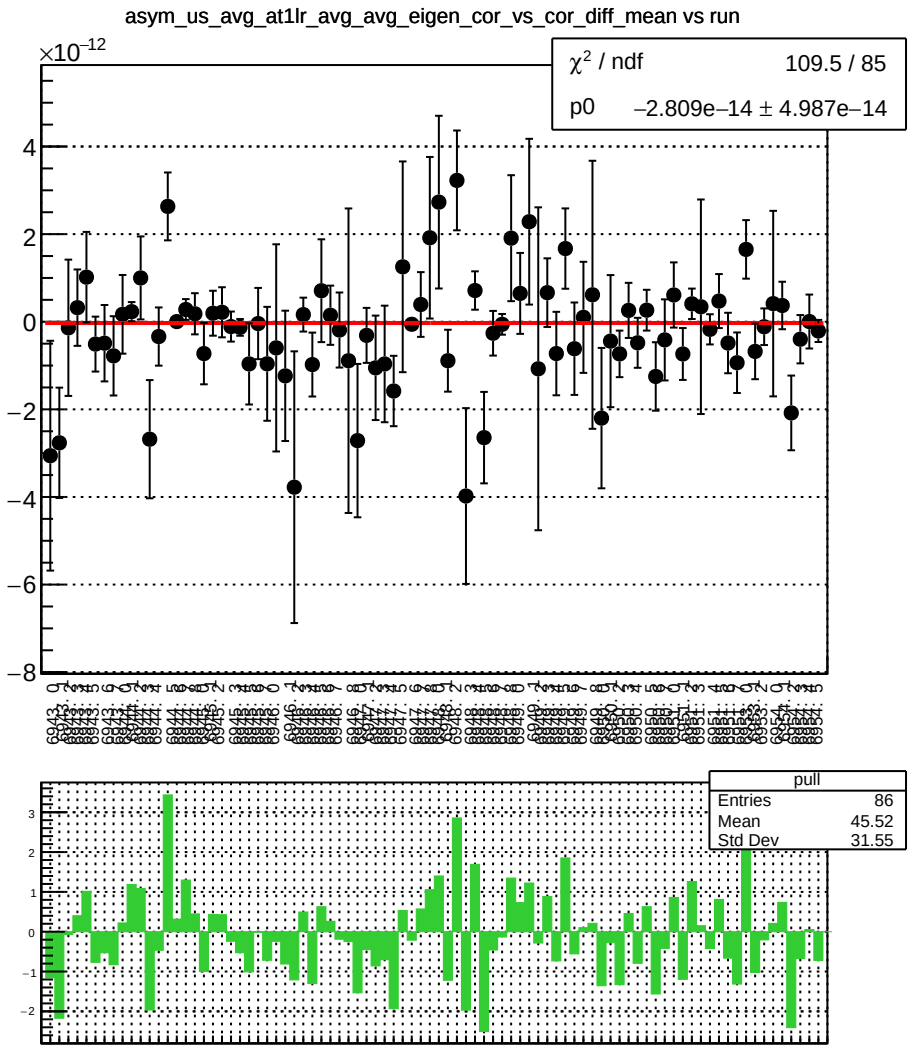

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 109.3 / 85
p0 0.01878 ± 0.1088
pull
Entries 86
Mean 178.5
Std Dev 0
pull1D
Entries 86
Mean −0.02419
Std Dev 1.127

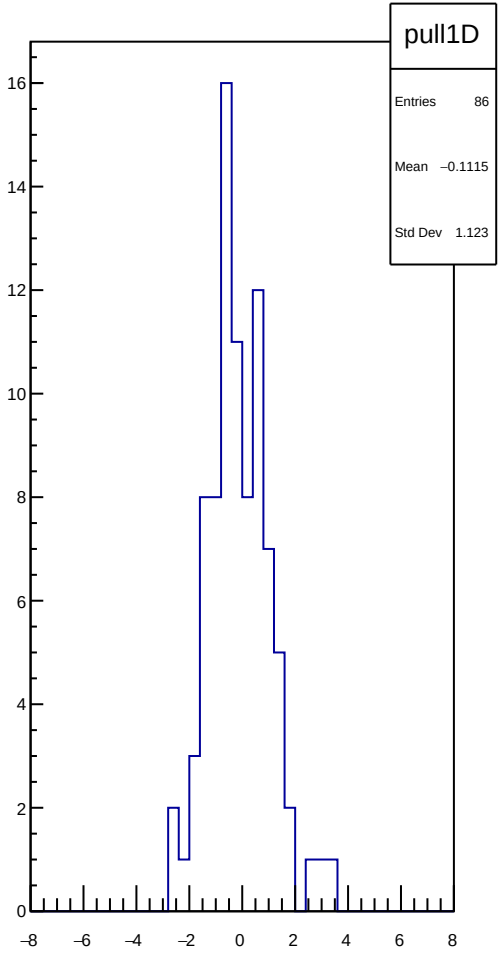

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.164e+05 / 85
p0 95.51 ± 0.07697
220
200
180
160
140
120
100
80
60
40

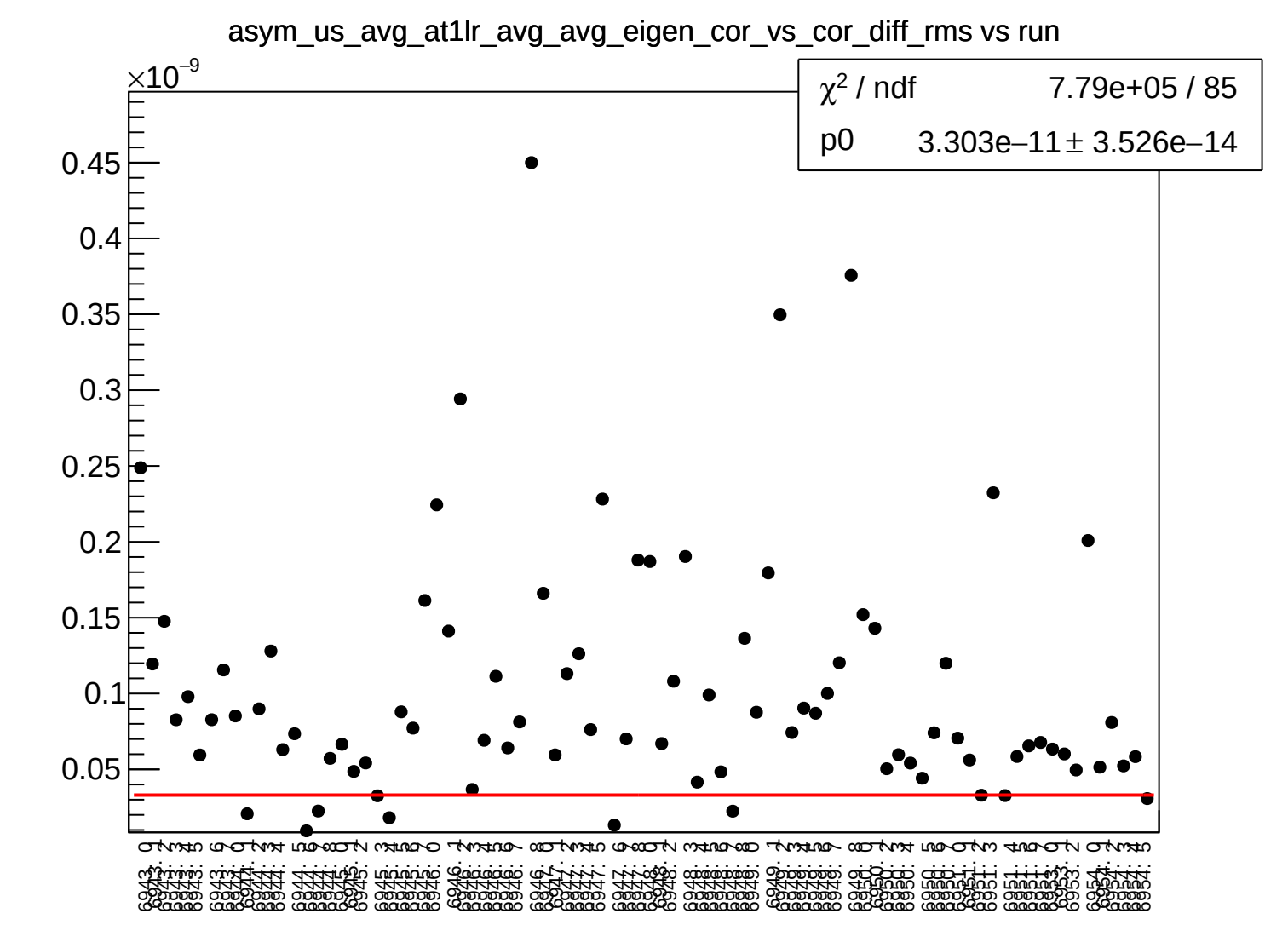

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.3 / 85
p0 0.01878 ± 0.1088
pull
Entries 86
Mean 178.5
Std Dev 0

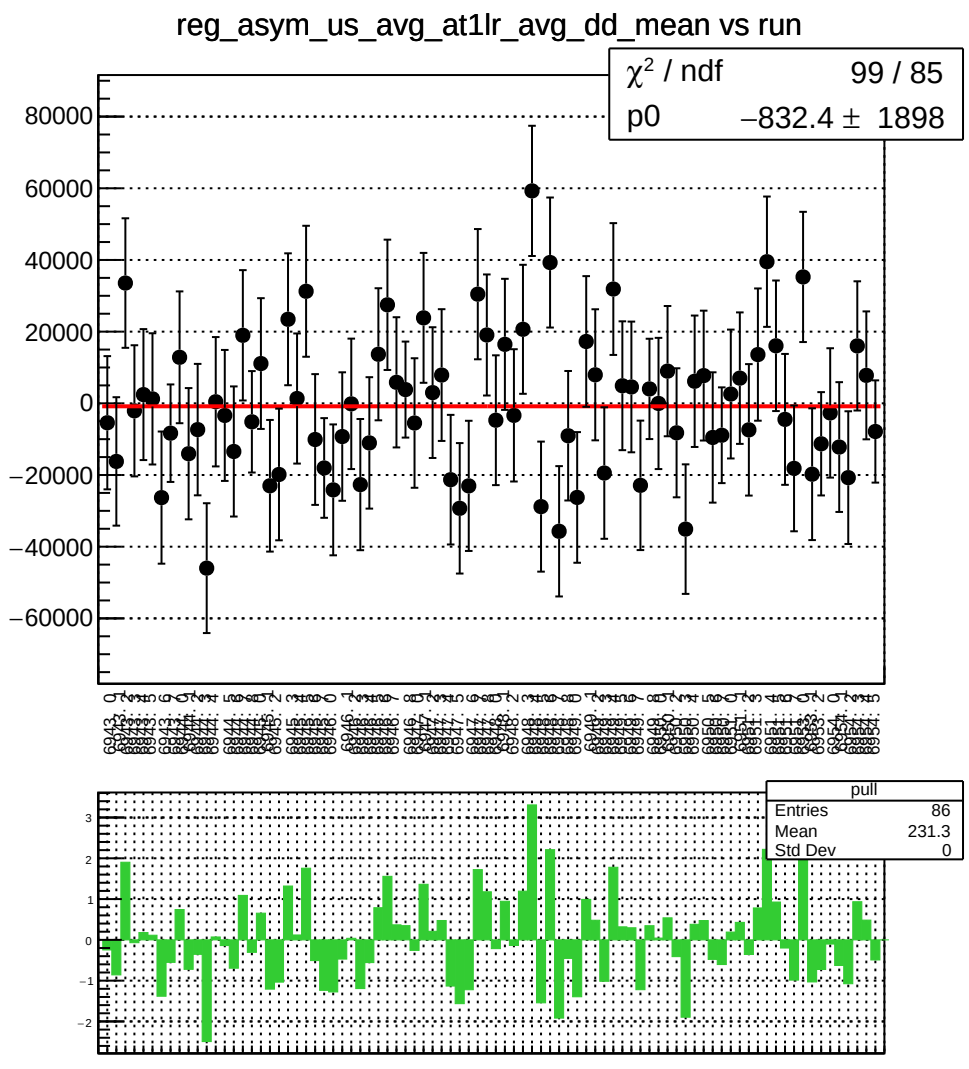

pull1D
Entries 86
Mean −0.02419
Std Dev 1.127

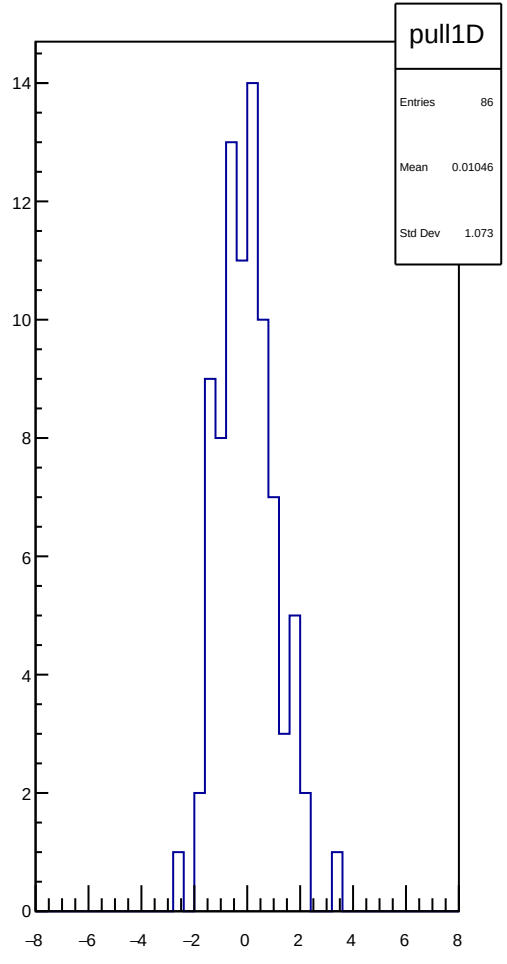

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.164e+05 / 85
p0 95.51 ± 0.07697
220
200
180
160
140
120
100
80
60
40

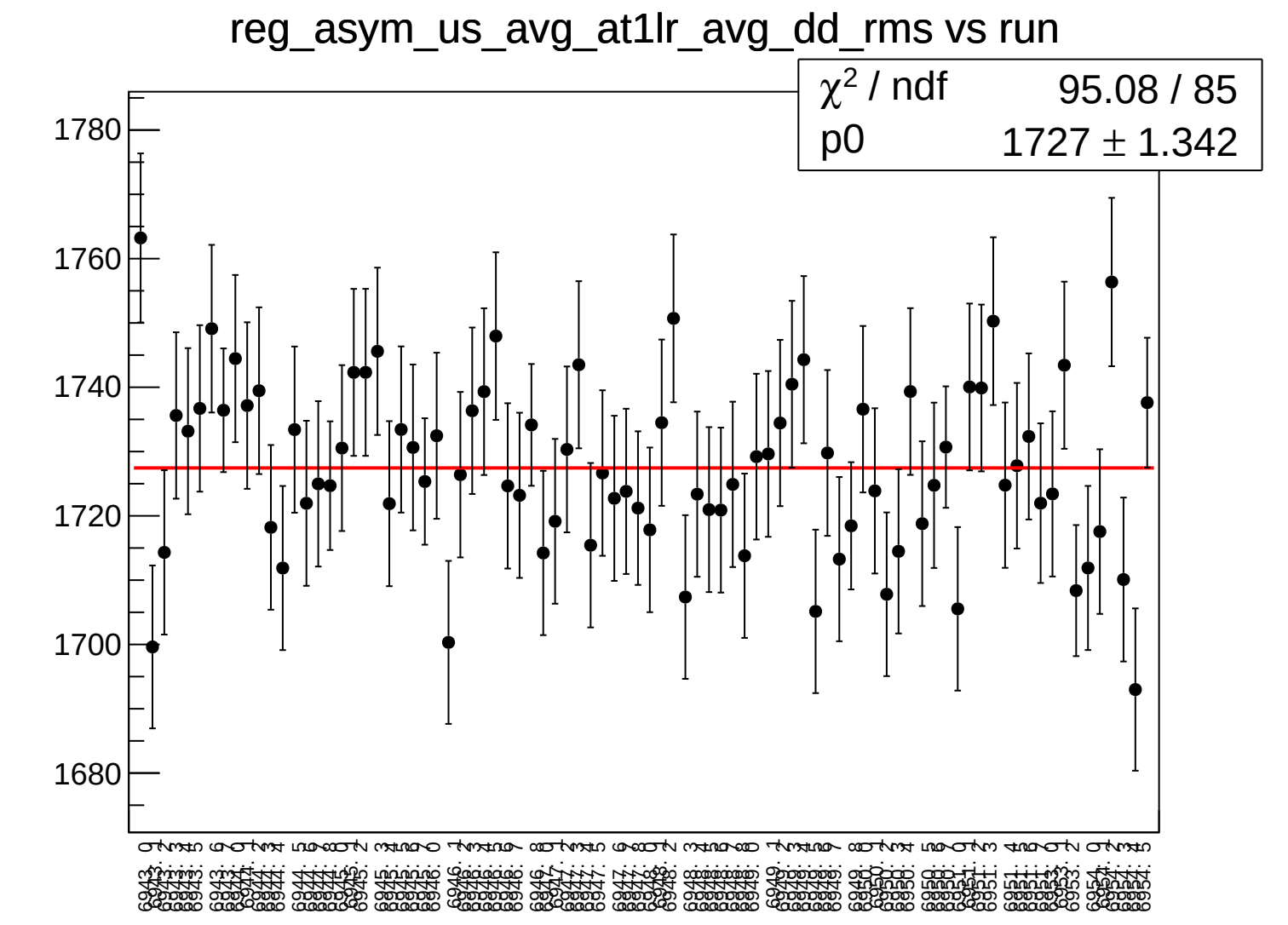

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.5 / 85
p0 −2.809e−14 ± 4.987e−14
pull
Entries 86
Mean 45.52
Std Dev 31.55

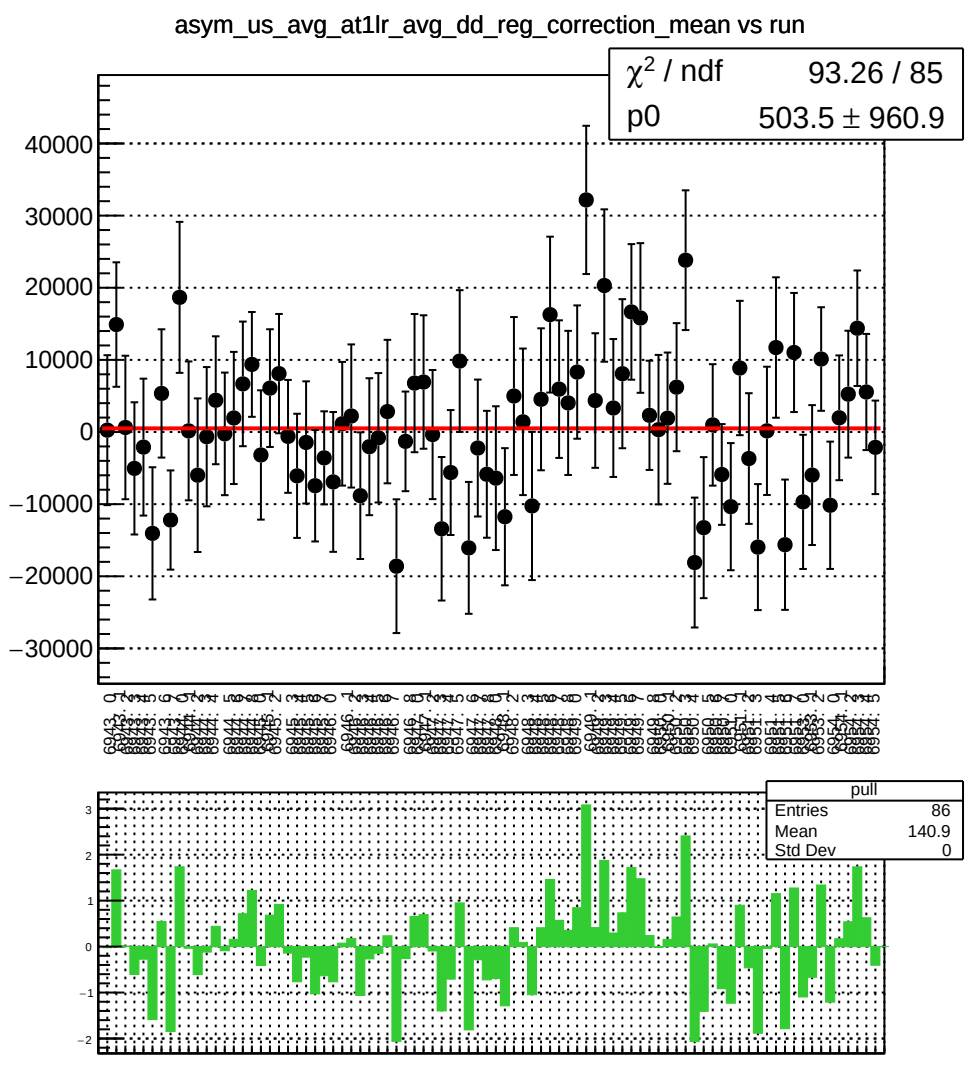

pull1D
Entries 86
Mean −0.1115
Std Dev 1.123

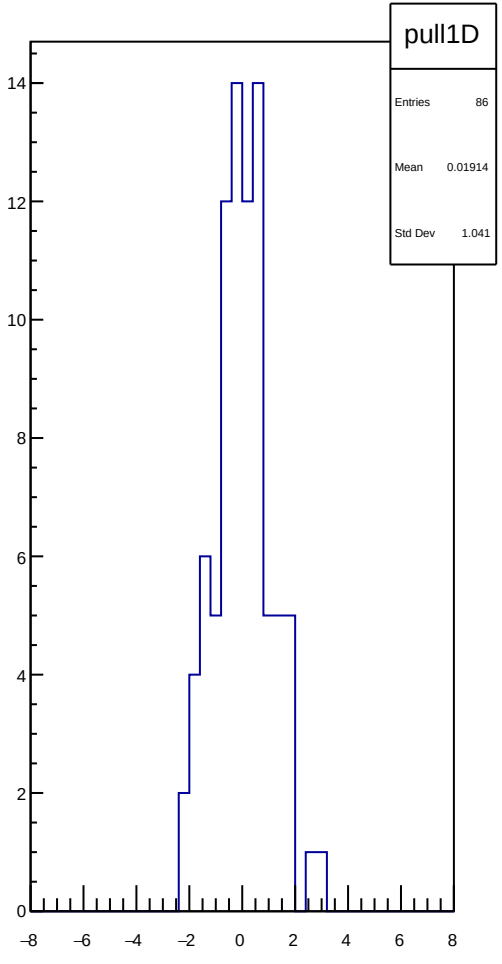

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.79e+05 / 85
p0 3.303e−11 ± 3.526e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05


reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 99 / 85
p0 −832.4 ± 1898
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 231.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.01046
Std Dev 1.073
14
12
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
χ^2 / ndf 95.08 / 85
p0 1727 ± 1.342
1780
1760
1740
1720
1700
1680


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 93.26 / 85
p0 503.5 ± 960.9
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 140.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.01914
Std Dev 1.041
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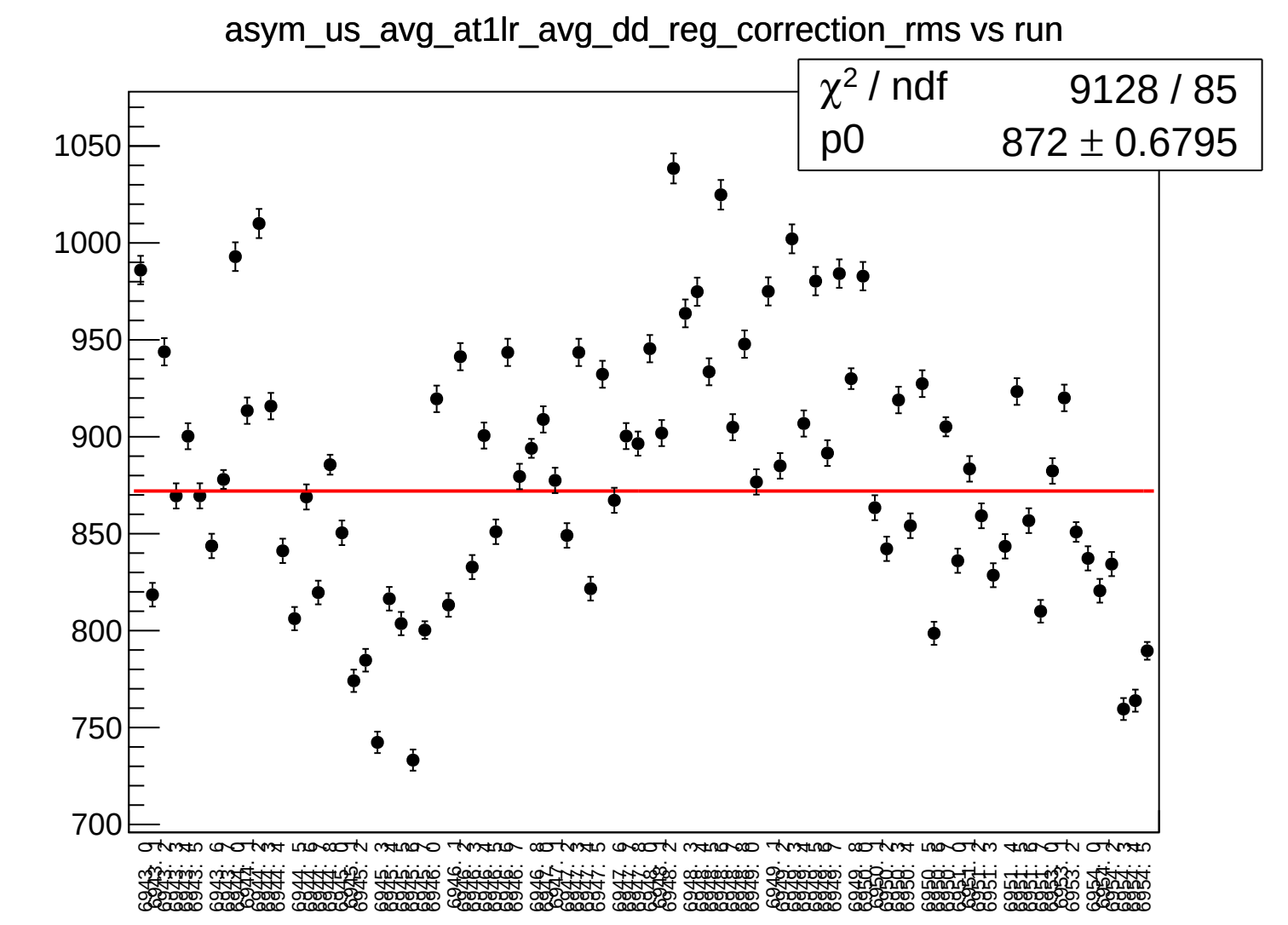
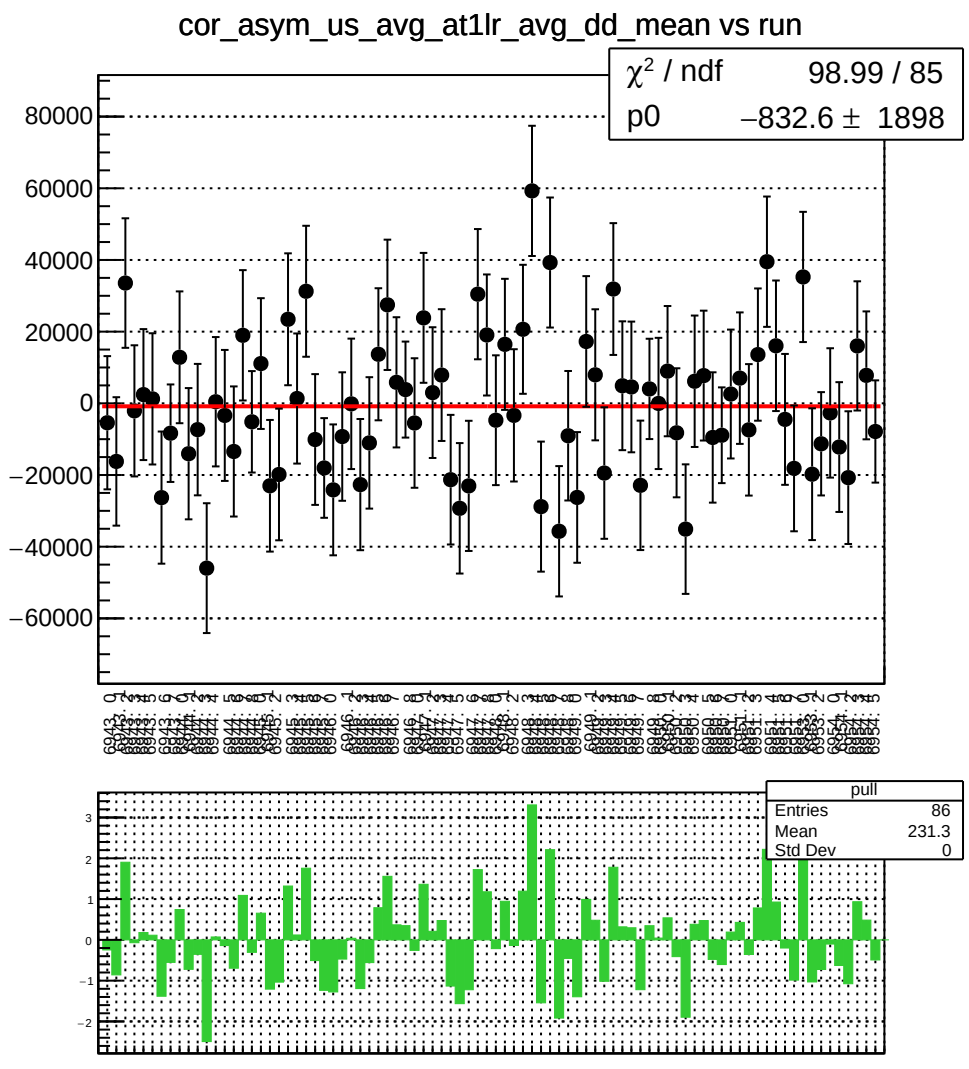
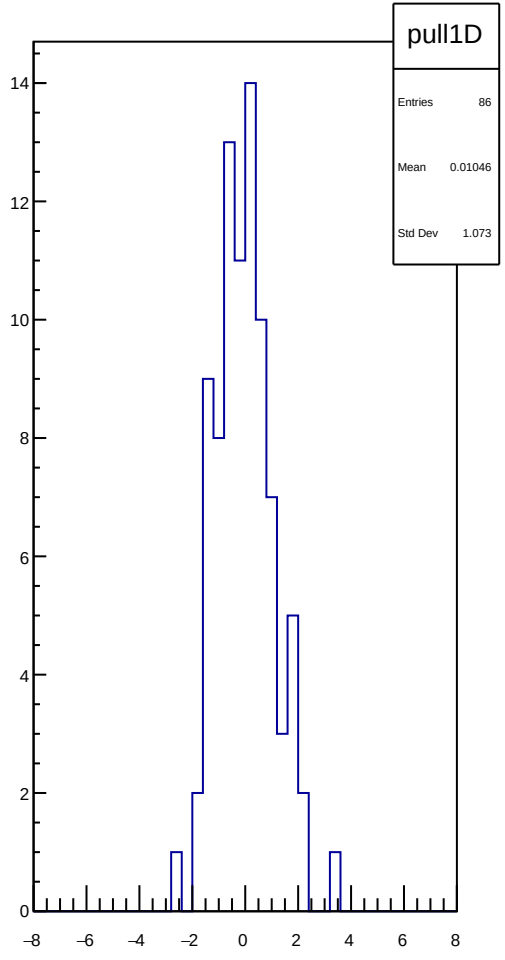
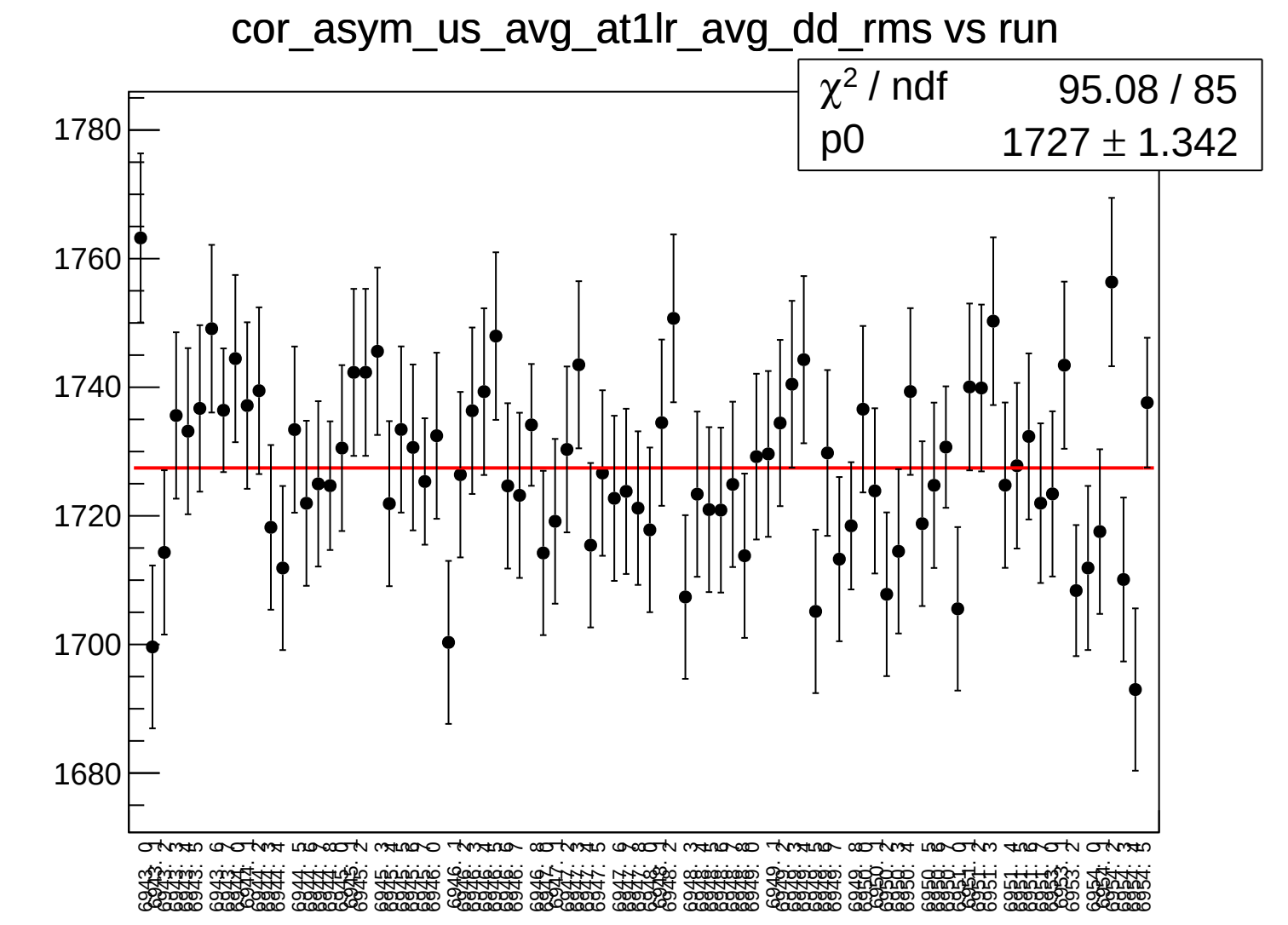
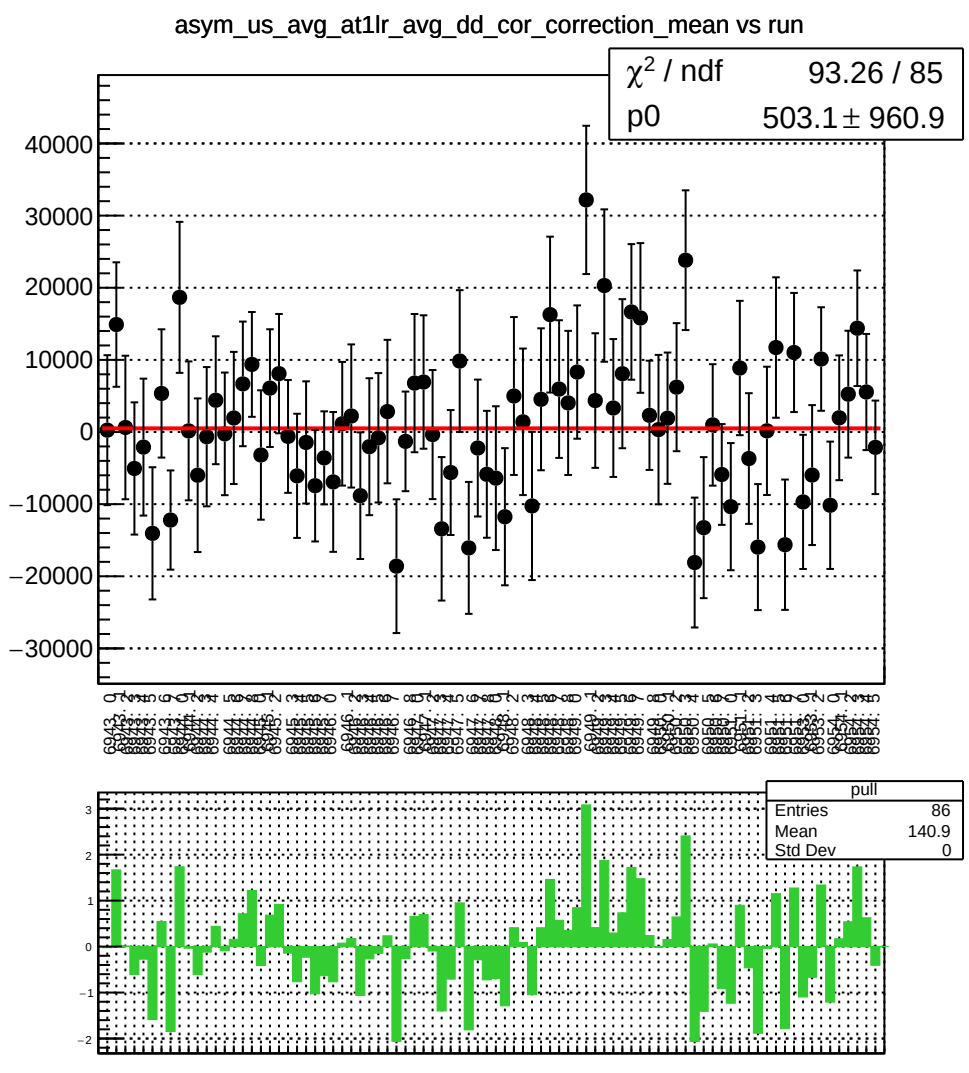
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

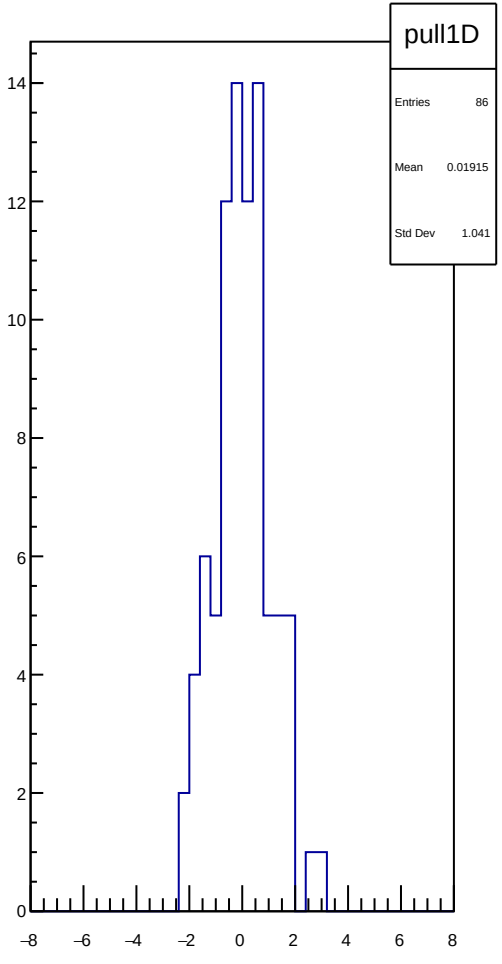

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 9128 / 85
p0 872 ± 0.6795
1050
1000
950
900
850
800
750
700

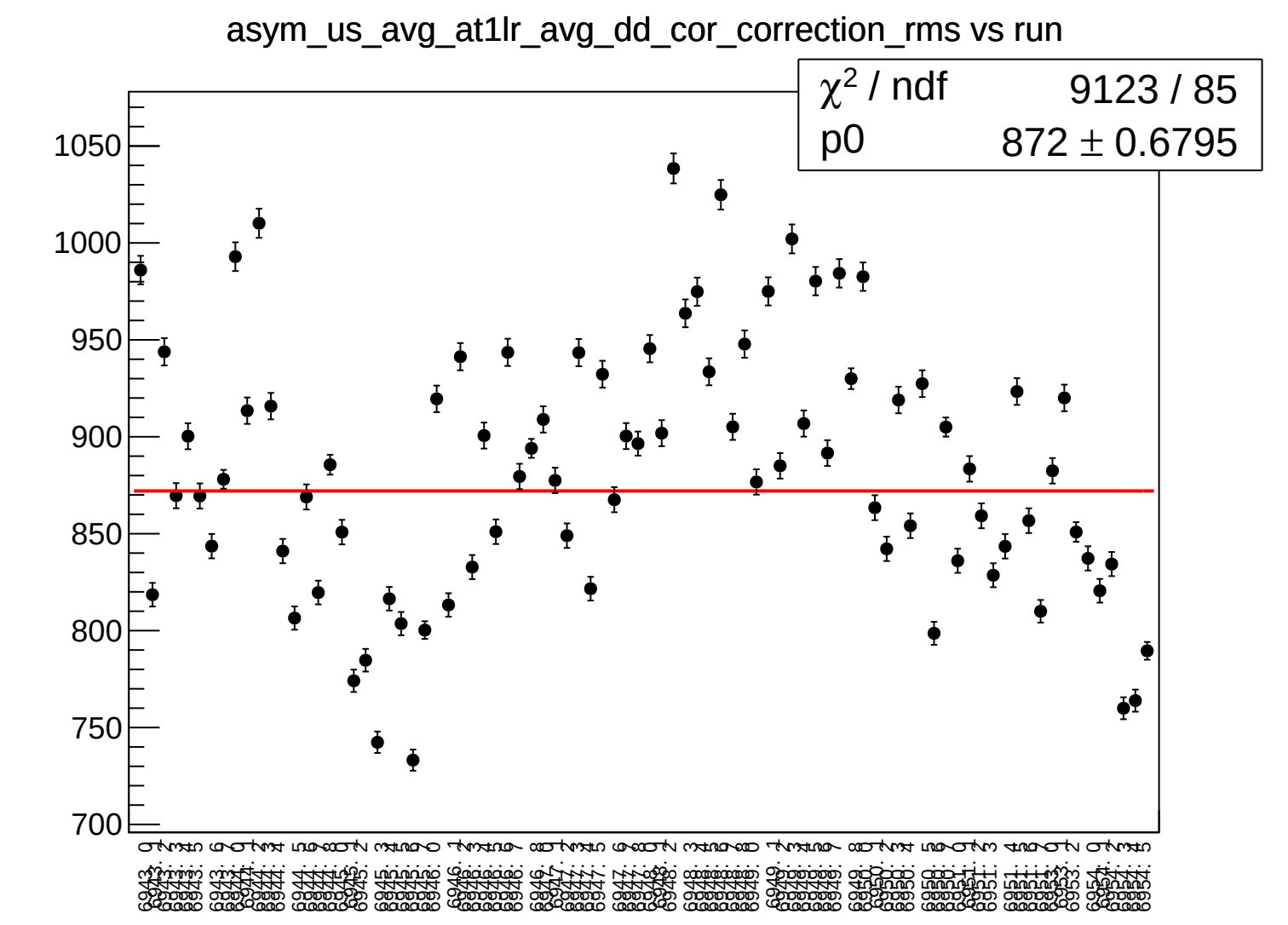

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 98.99 / 85
p0 −832.6 ± 1898
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 231.3
Std Dev 0
3
2
1
0
−1
−2

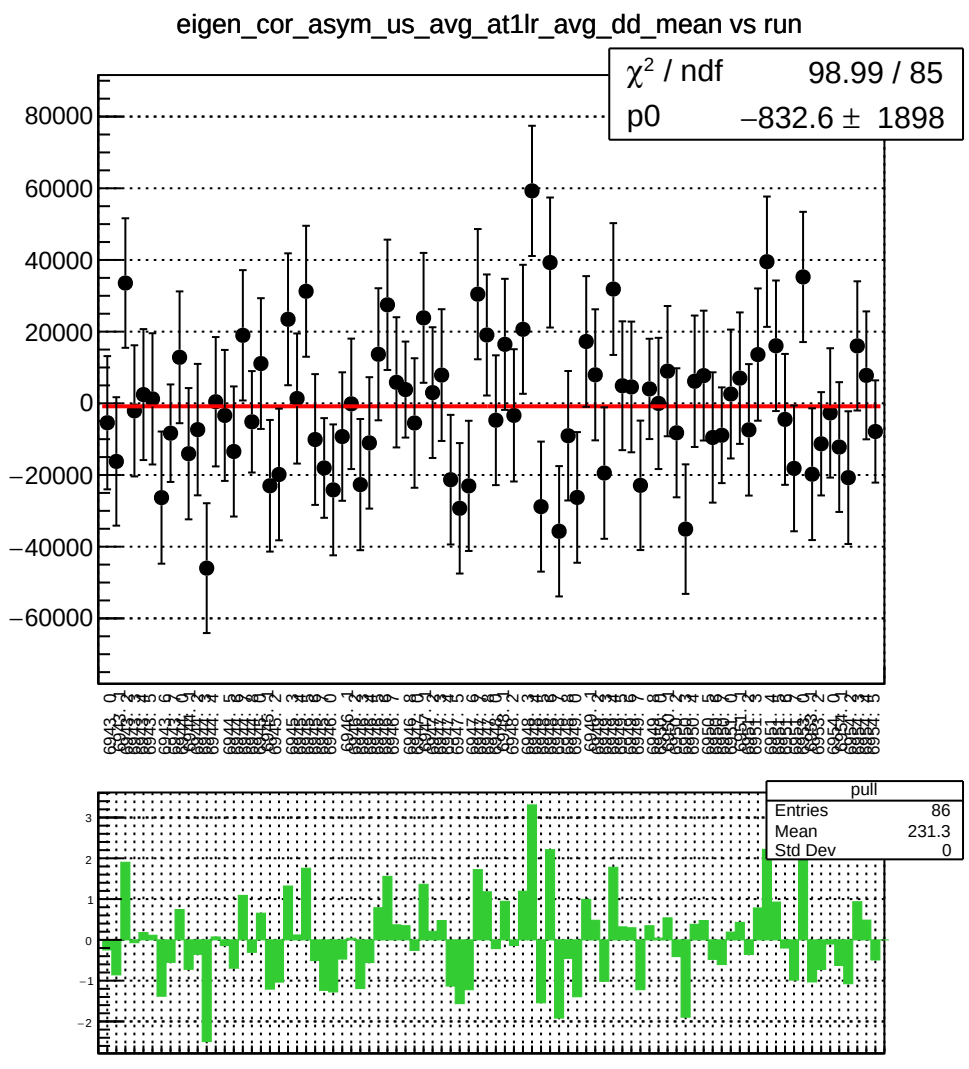

pull1D
Entries 86
Mean 0.01046
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

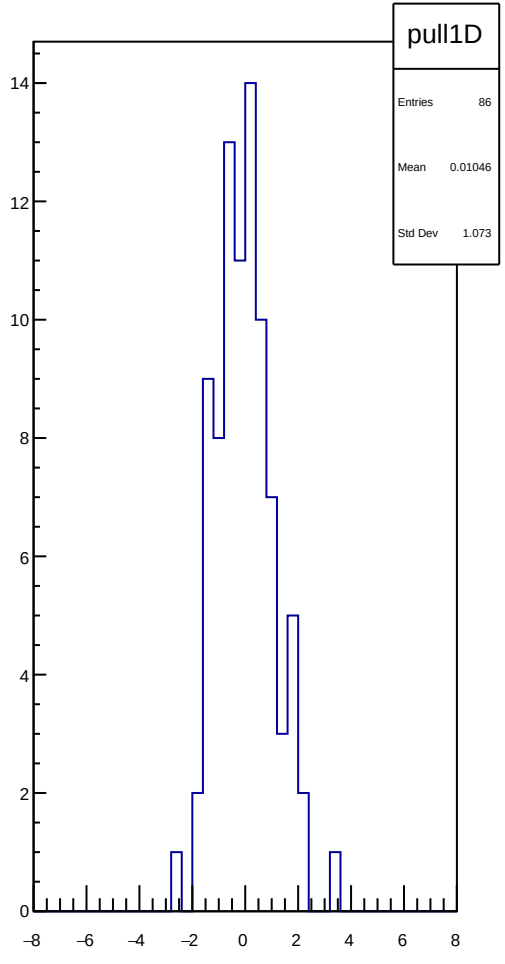

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 95.08 / 85
p0 1727 ± 1.342
1780
1760
1740
1720
1700
1680

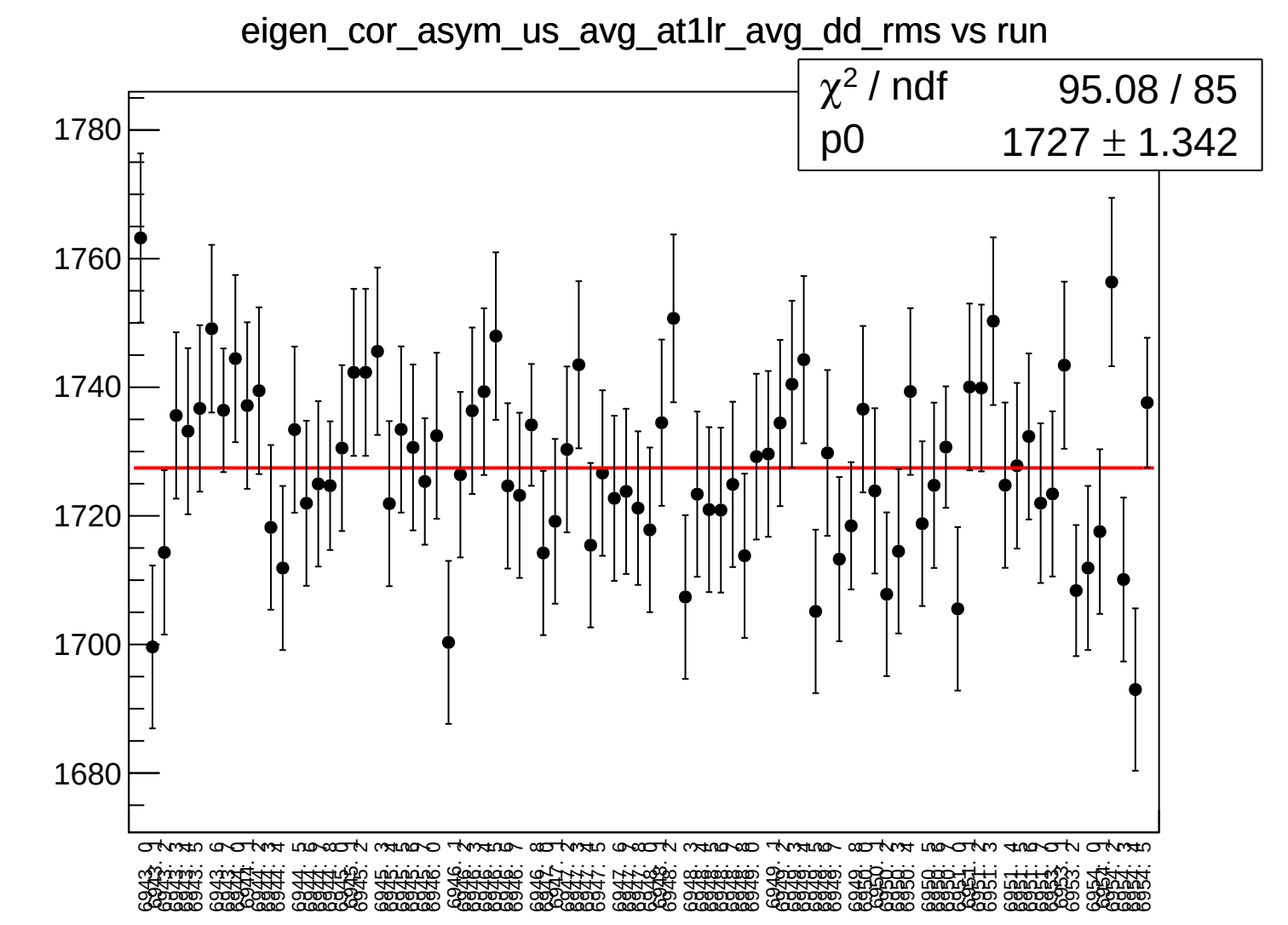

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 93.26 / 85
p0 503.1 ± 960.9
pull
Entries 86
Mean 140.9
Std Dev 0

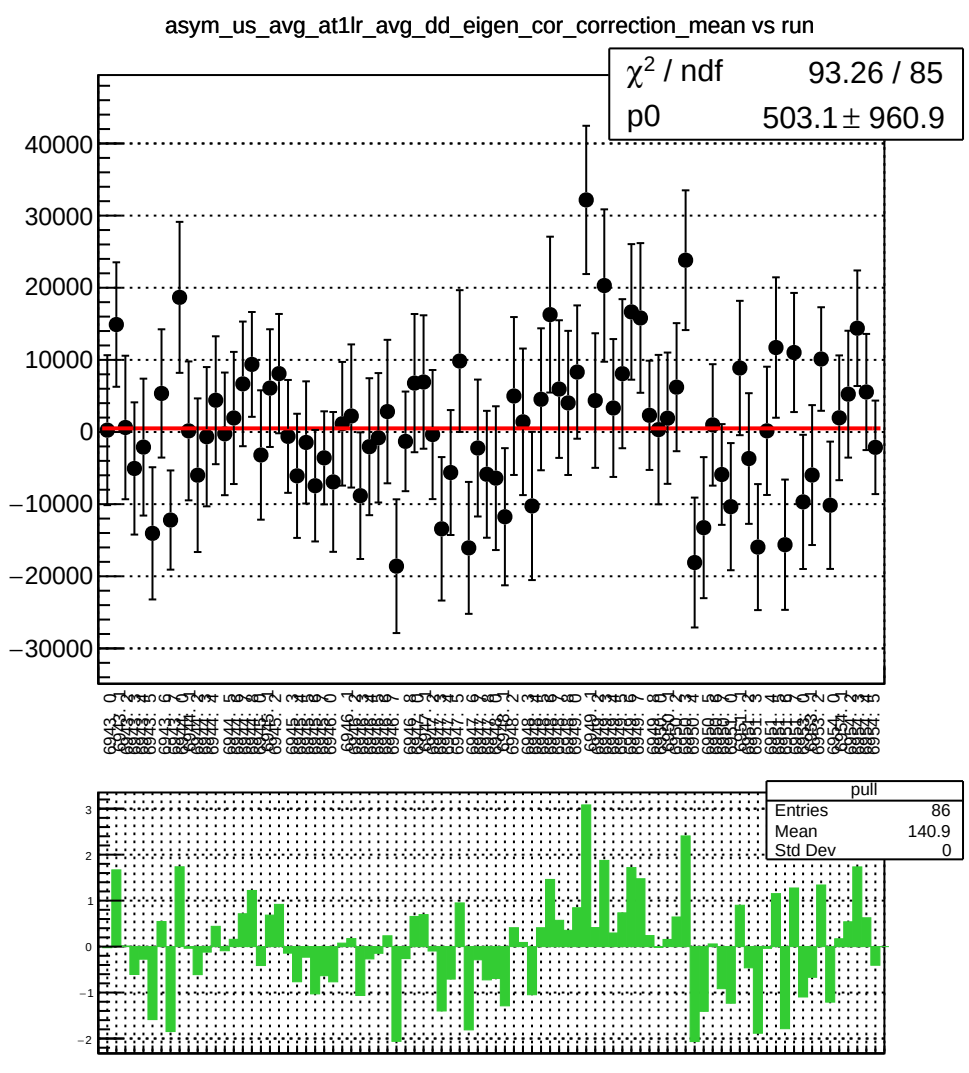

pull1D
Entries 86
Mean 0.01915
Std Dev 1.041

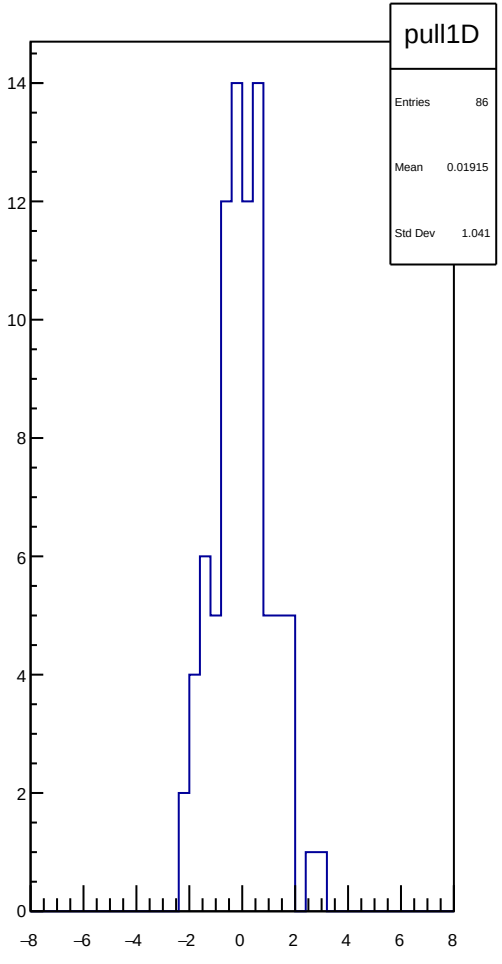

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 9123 / 85
p0 872 ± 0.6795
1050
1000
950
900
850
800
750
700

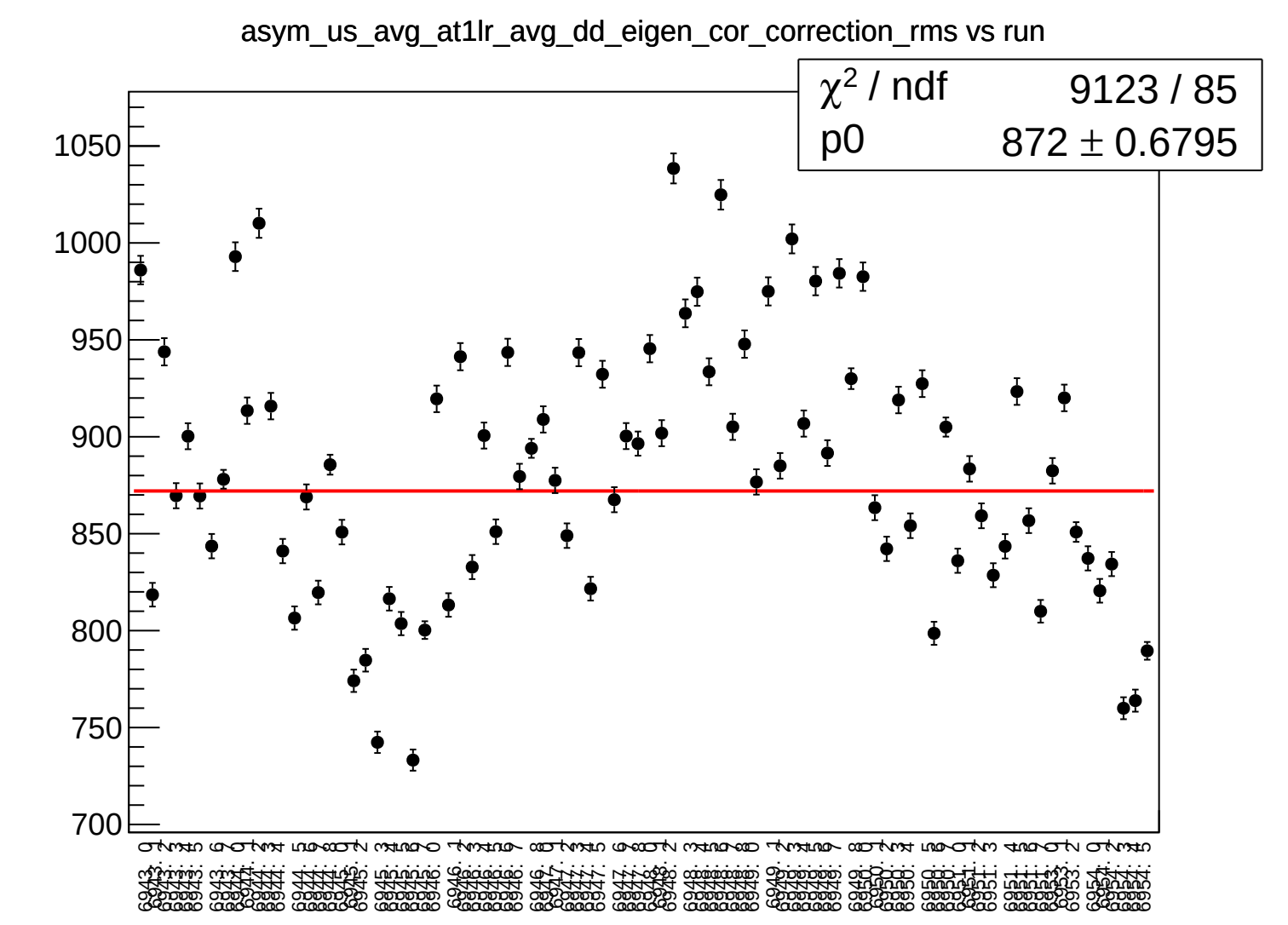

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 98.99 / 85
p0 −832.6 ± 1898
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 231.3
Std Dev 0
3
2
1
0
−1
−2

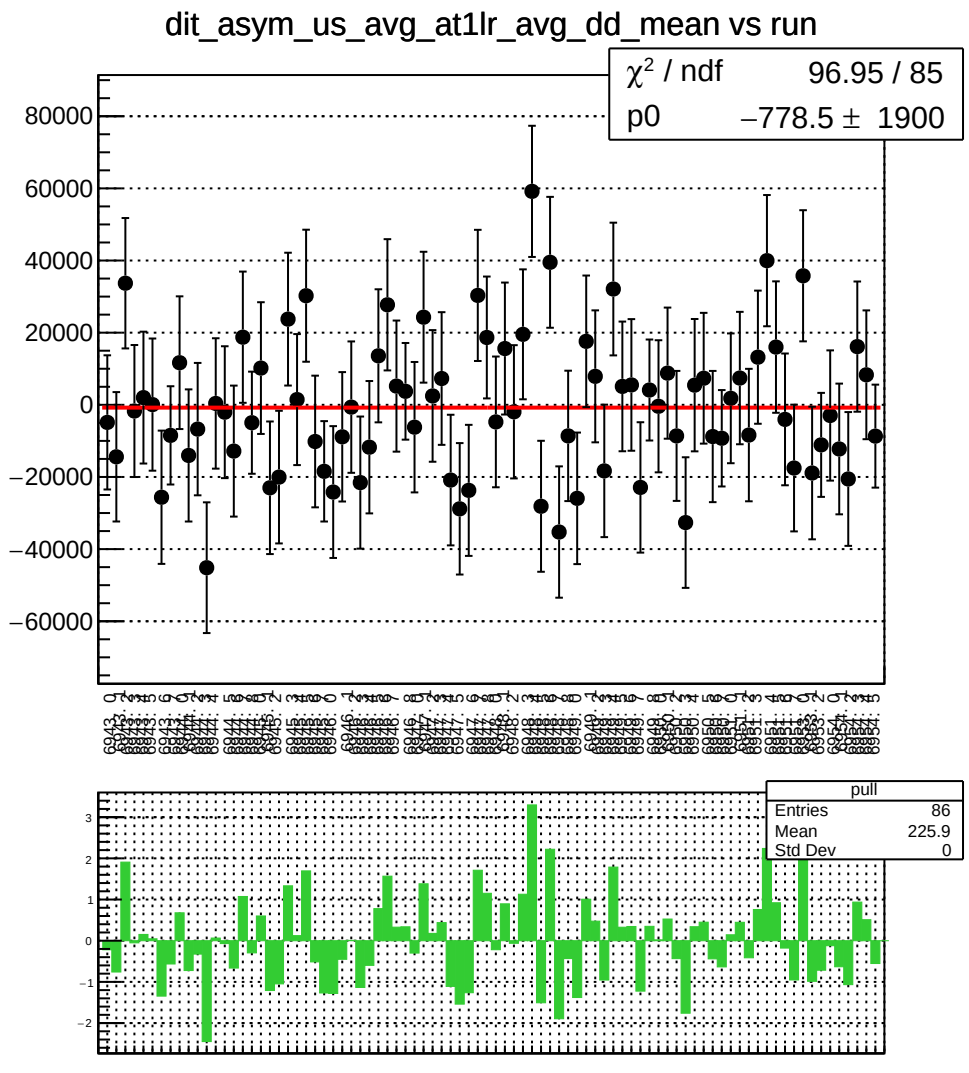

pull1D
Entries 86
Mean 0.01046
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

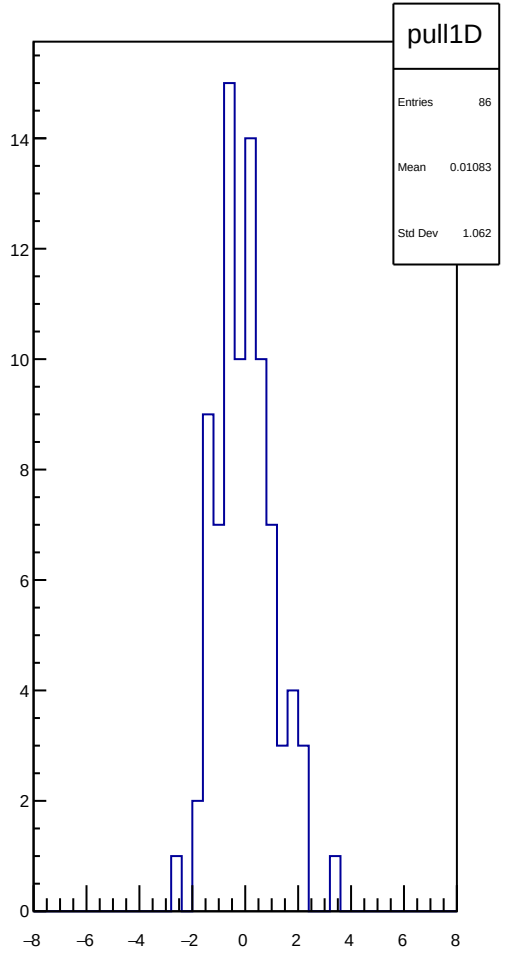

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 95.08 / 85
p0 1727 ± 1.342
1780
1760
1740
1720
1700
1680

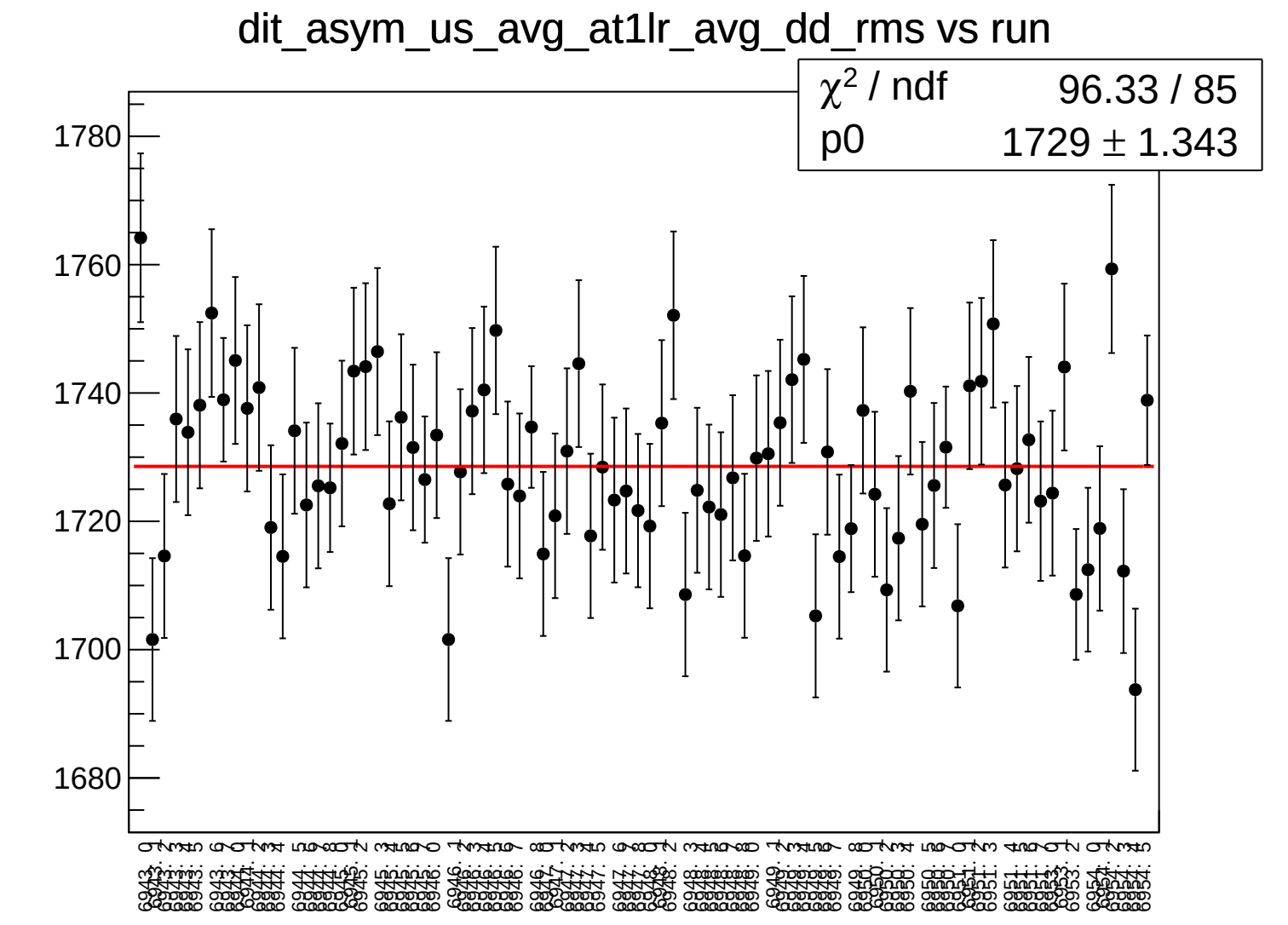

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 93.26 / 85
p0 503.1 ± 960.9
pull
Entries 86
Mean 140.9
Std Dev 0

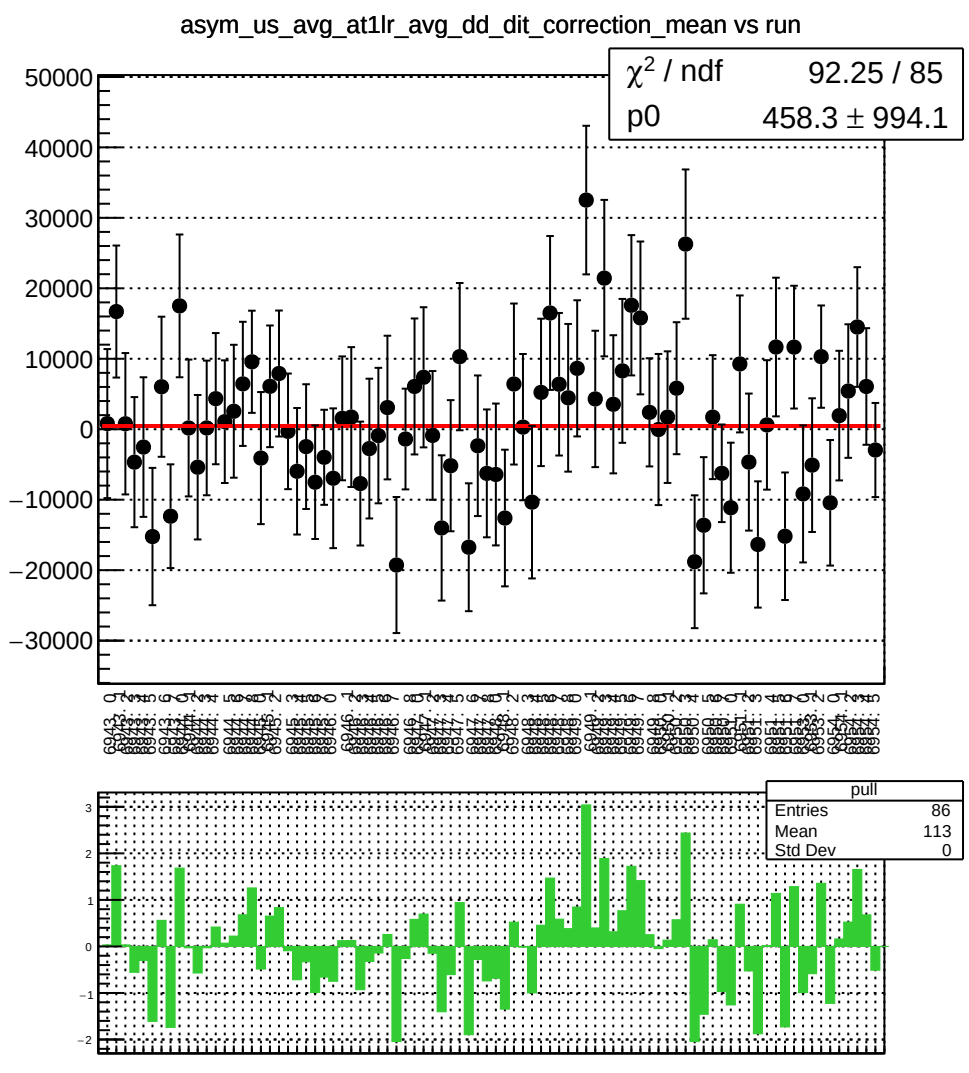

pull1D
Entries 86
Mean 0.01915
Std Dev 1.041

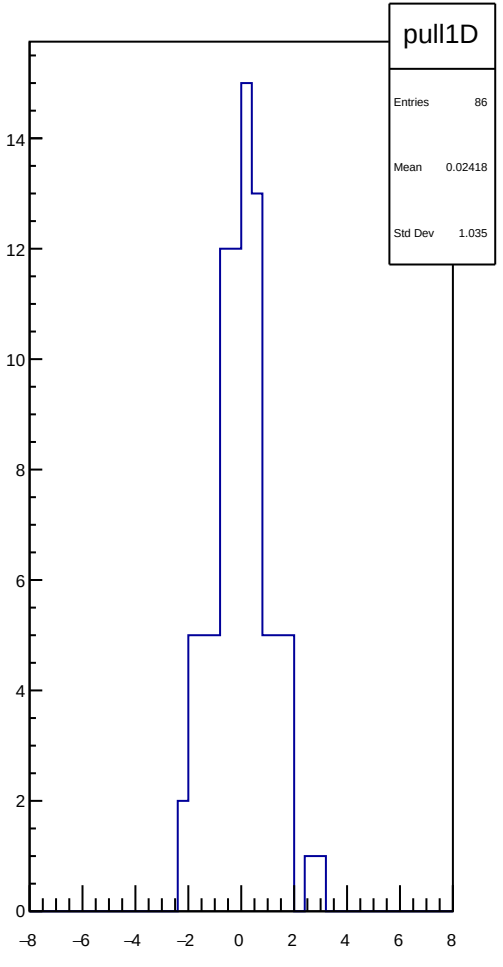

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 9123 / 85
p0 872 ± 0.6795
1050
1000
950
900
850
800
750
700

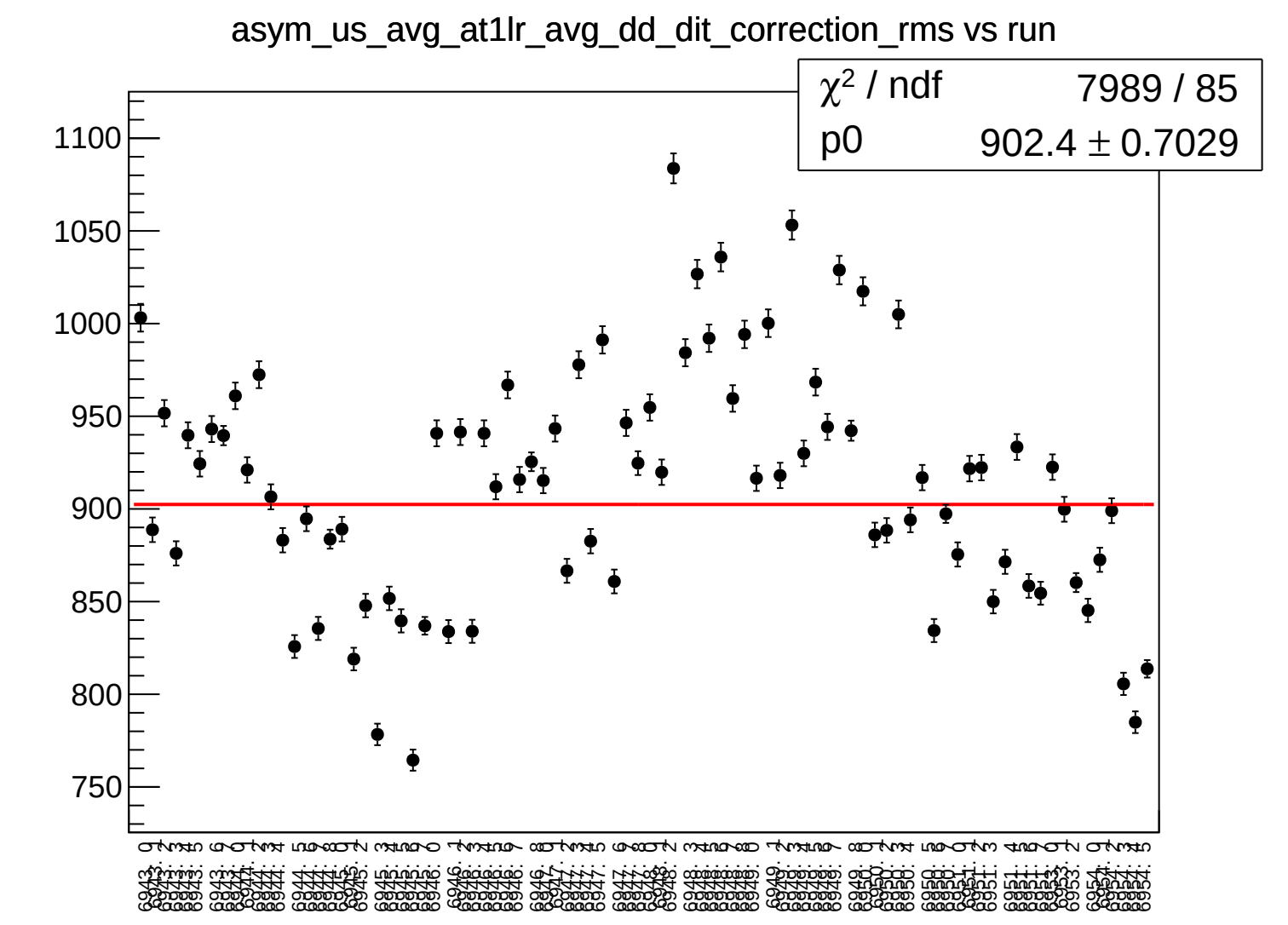

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 96.95 / 85
p0 −778.5 ± 1900
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 225.9
Std Dev 0
3
2
1
0
−1
−2

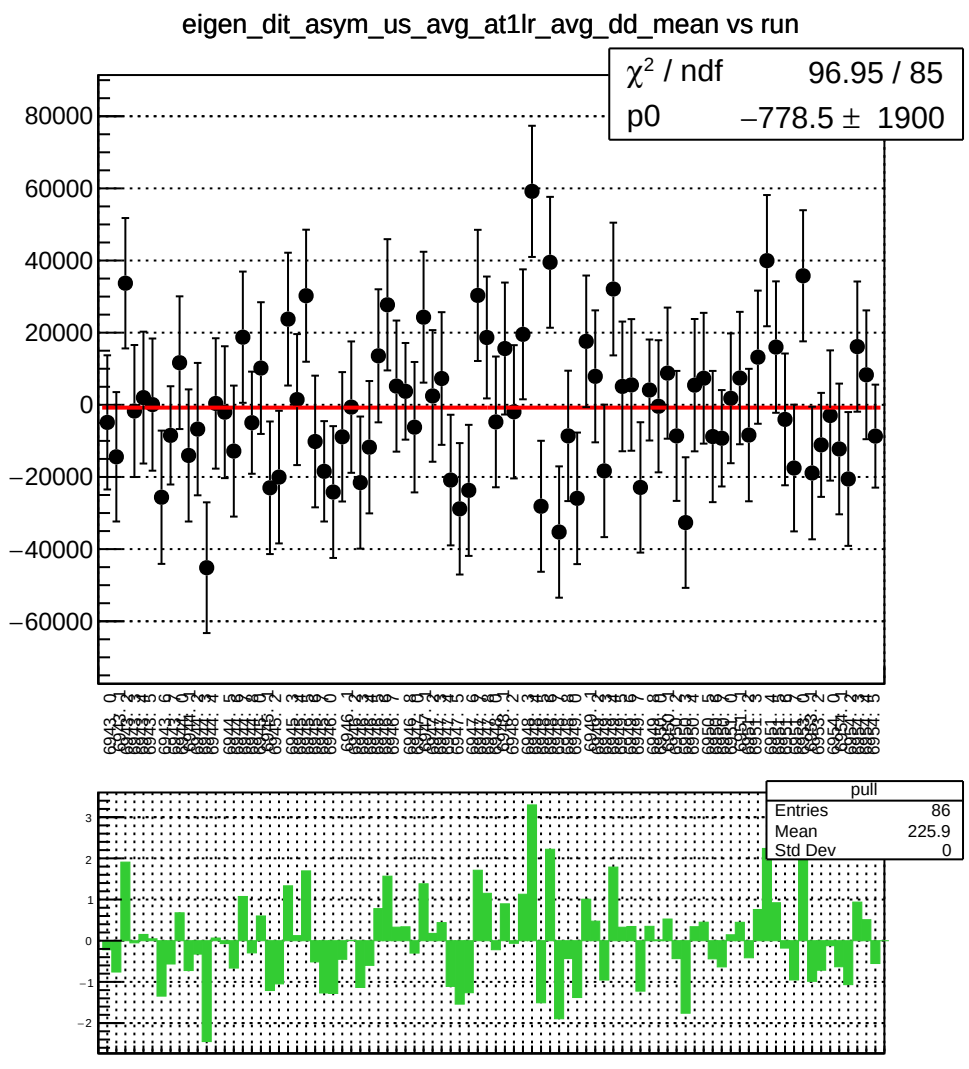

pull1D
Entries 86
Mean 0.01083
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

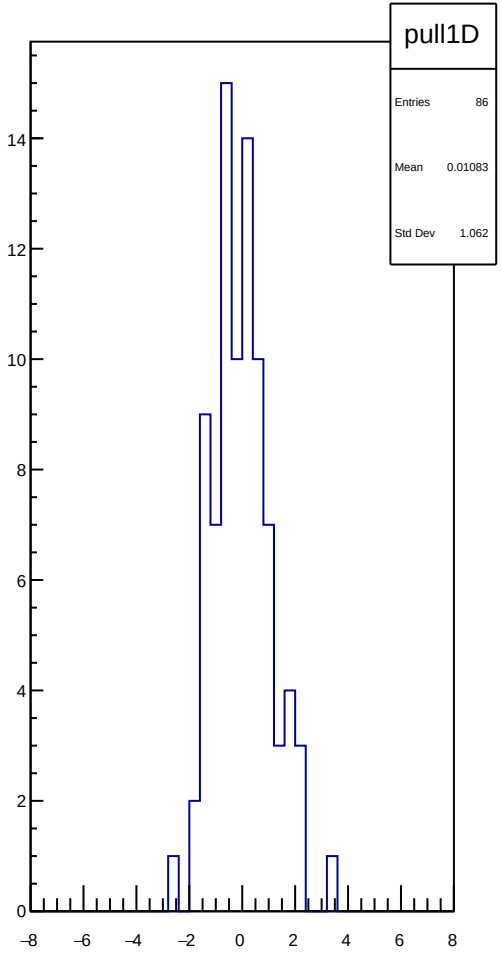

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 96.33 / 85
p0 1729 ± 1.343
1780
1760
1740
1720
1700
1680

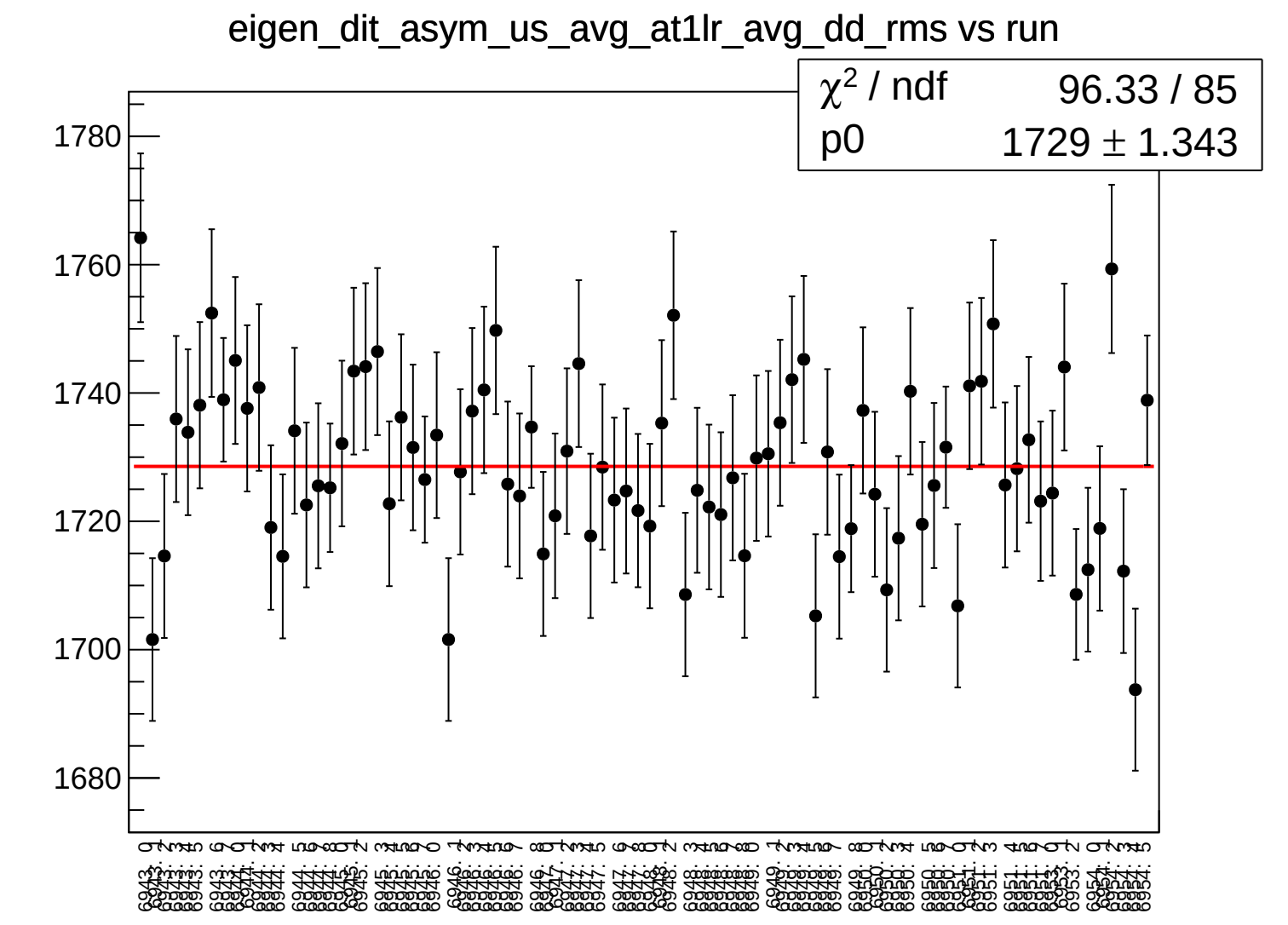

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 92.25 / 85
p0 458.3 ± 994.1
pull
Entries 86
Mean 113
Std Dev 0

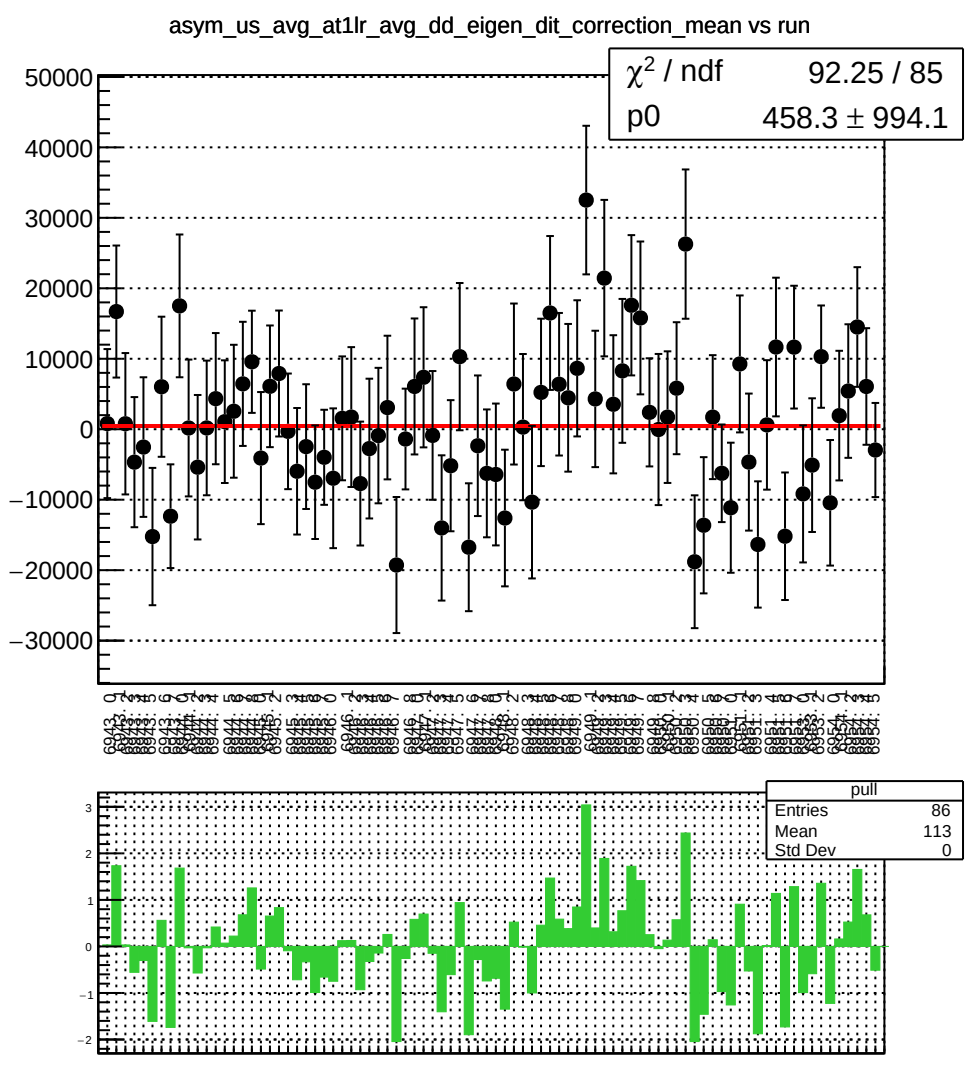

pull1D
Entries 86
Mean 0.02418
Std Dev 1.035

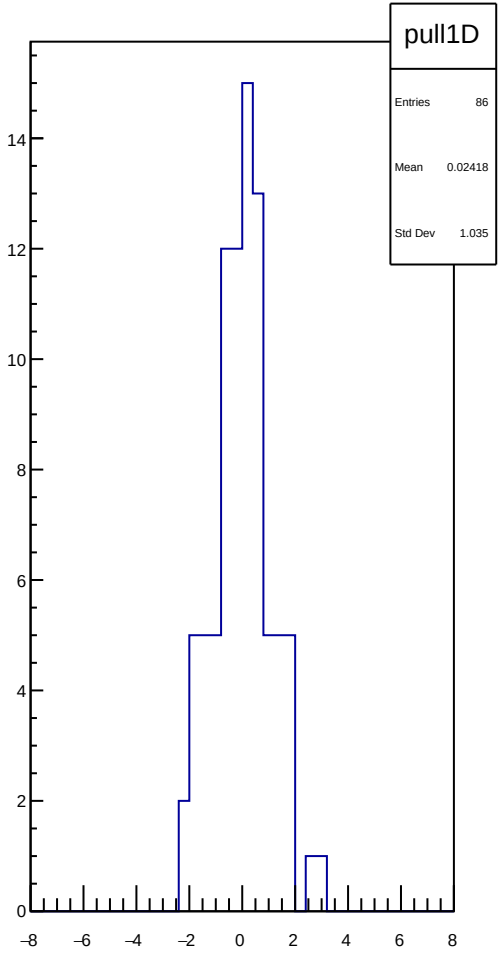

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 7989 / 85
p0 902.4 ± 0.7029
1100
1050
1000
950
900
850
800
750

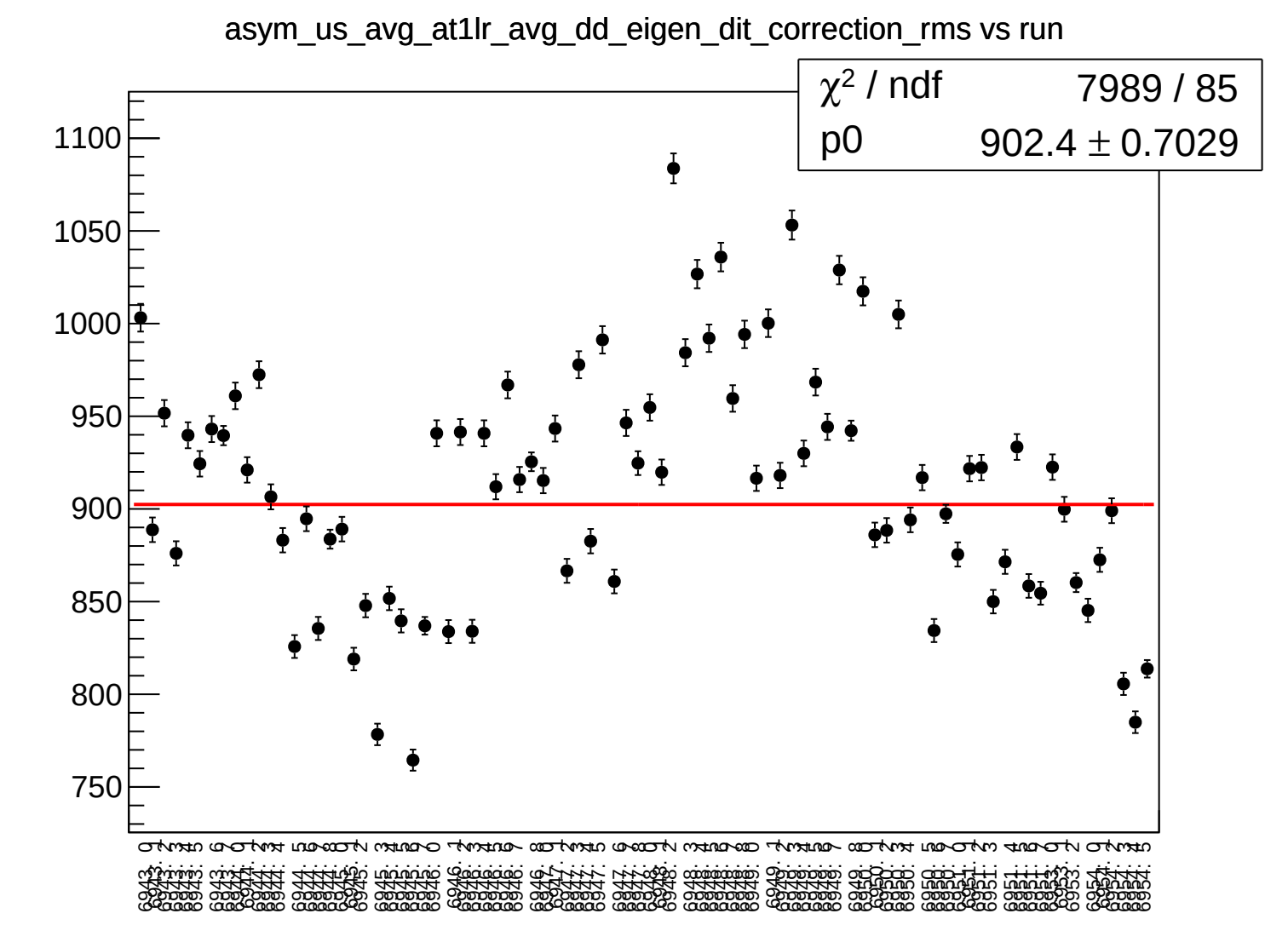

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 96.95 / 85
p0 −778.5 ± 1900
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 225.9
Std Dev 0
3
2
1
0
−1
−2

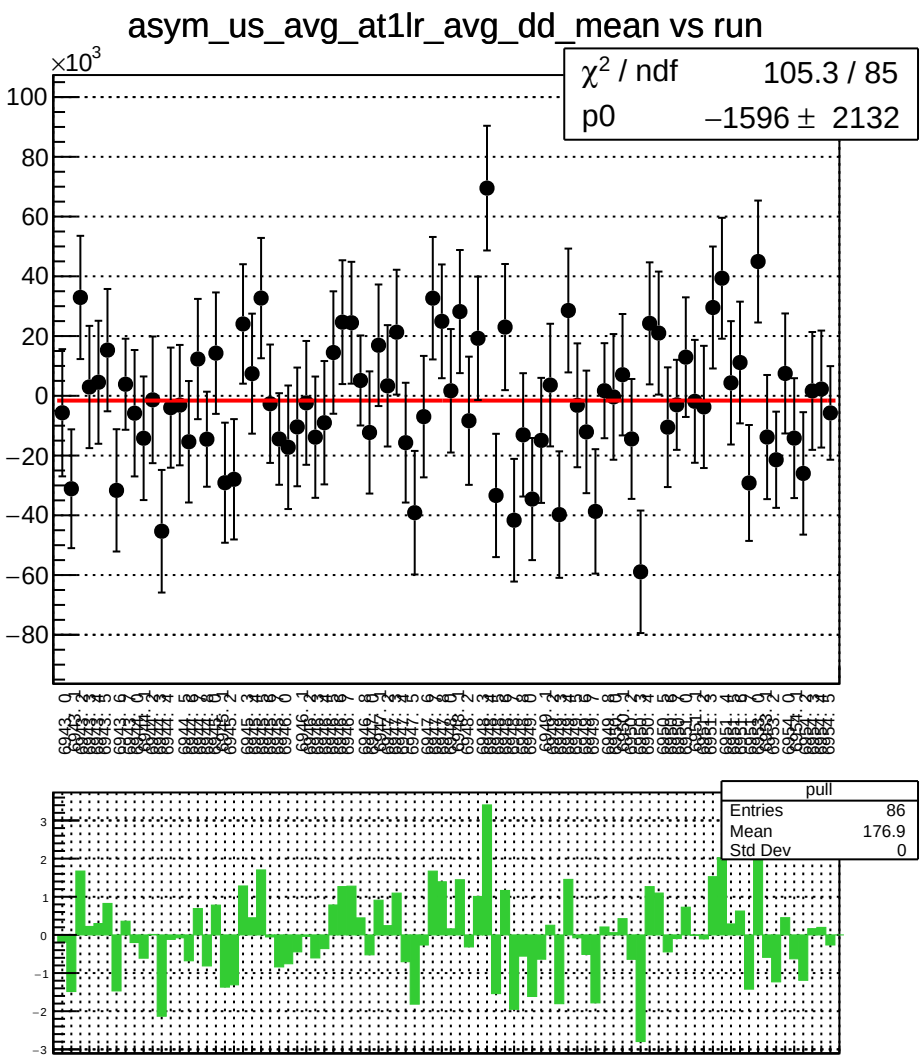

pull1D
Entries 86
Mean 0.01083
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

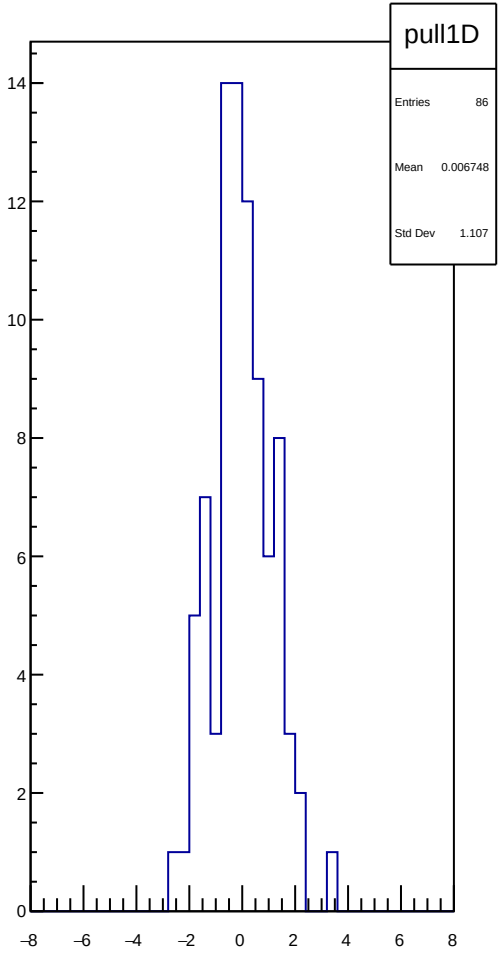

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 96.33 / 85
p0 1729 ± 1.343
1780
1760
1740
1720
1700
1680

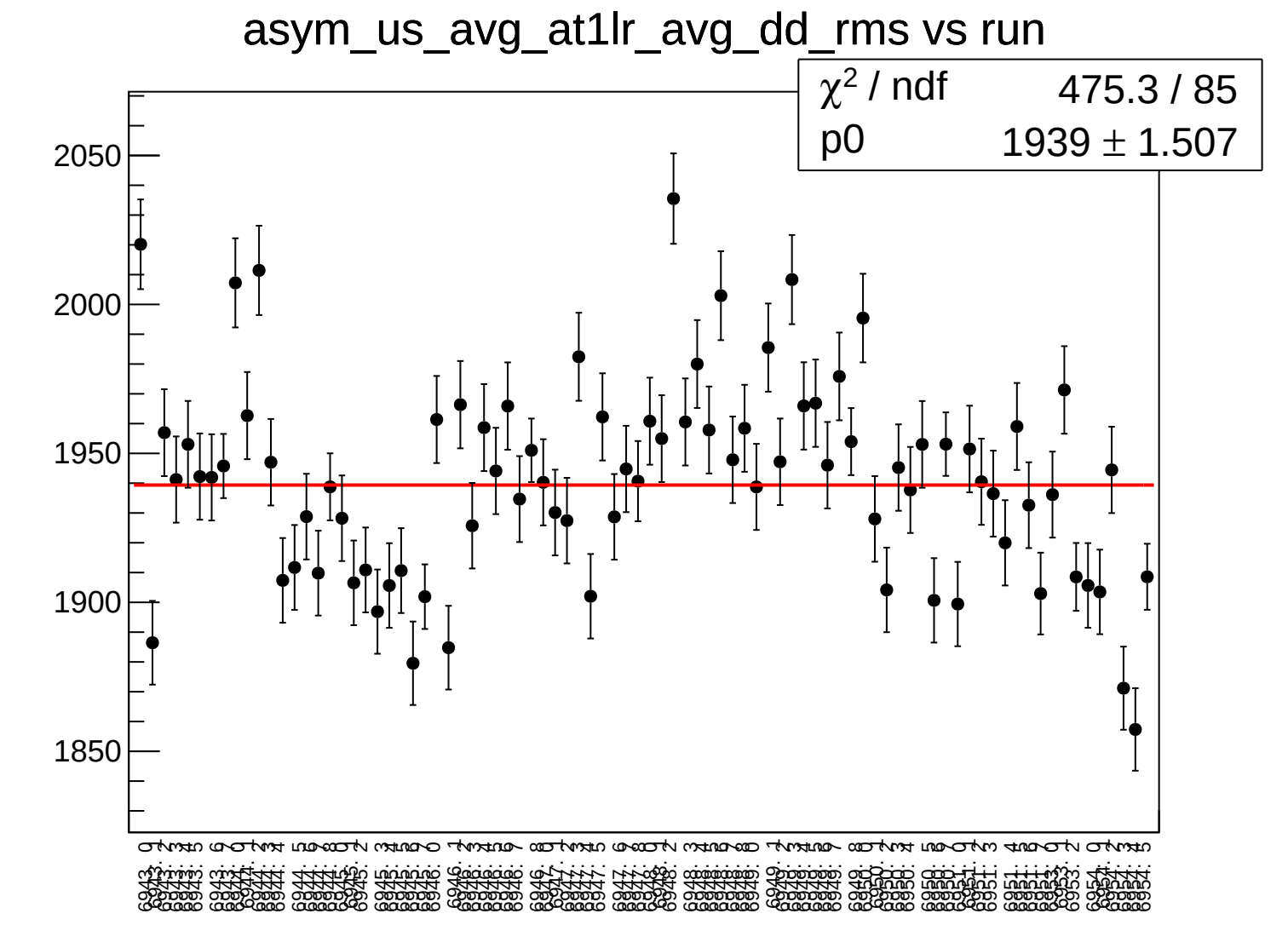

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 92.25 / 85
p0 458.3 ± 994.1
pull
Entries 86
Mean 113
Std Dev 0

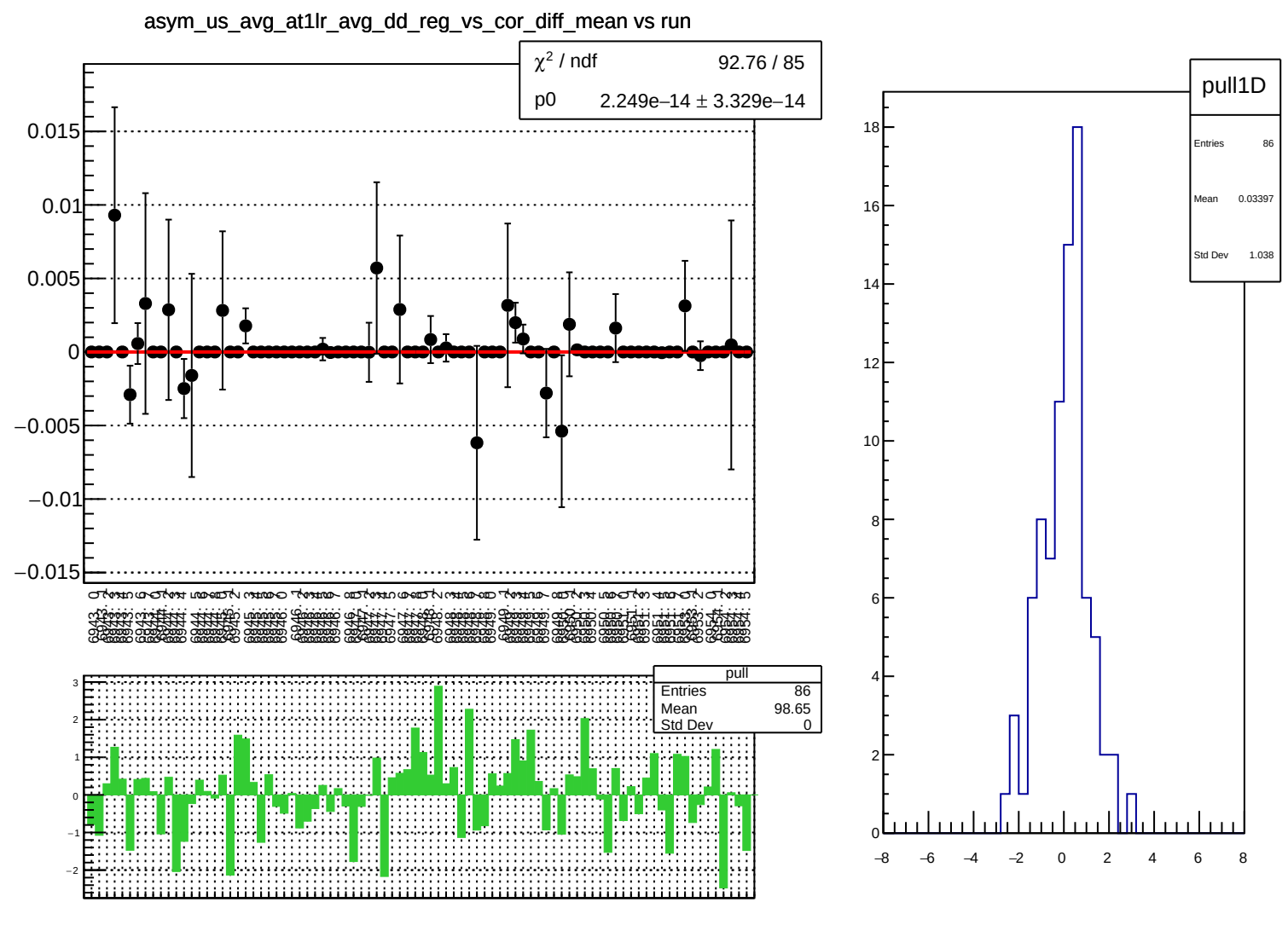

pull1D
Entries 86
Mean 0.02418
Std Dev 1.035

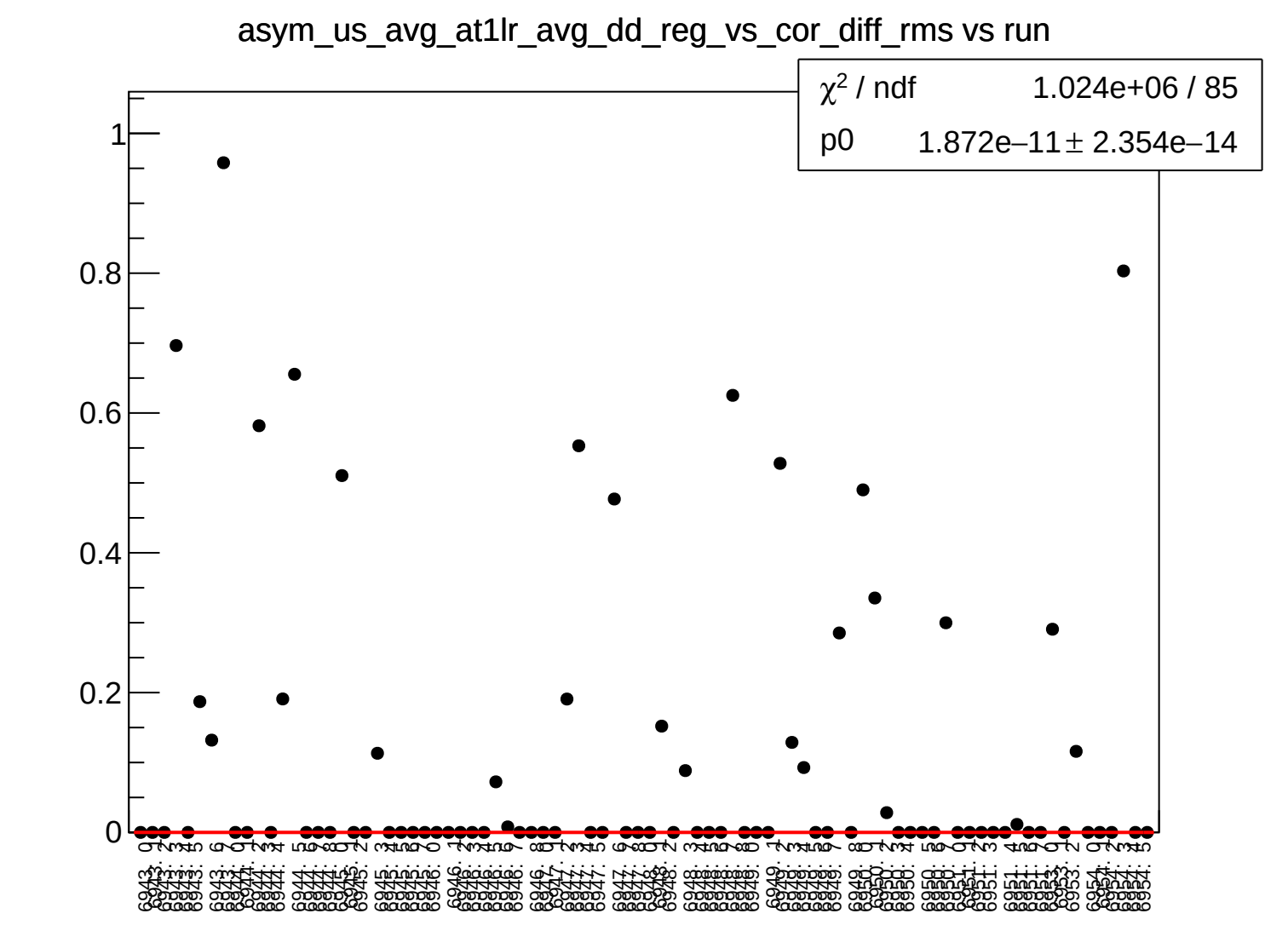

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7989 / 85
p0 902.4 ± 0.7029
1100
1050
1000
950
900
850
800
750

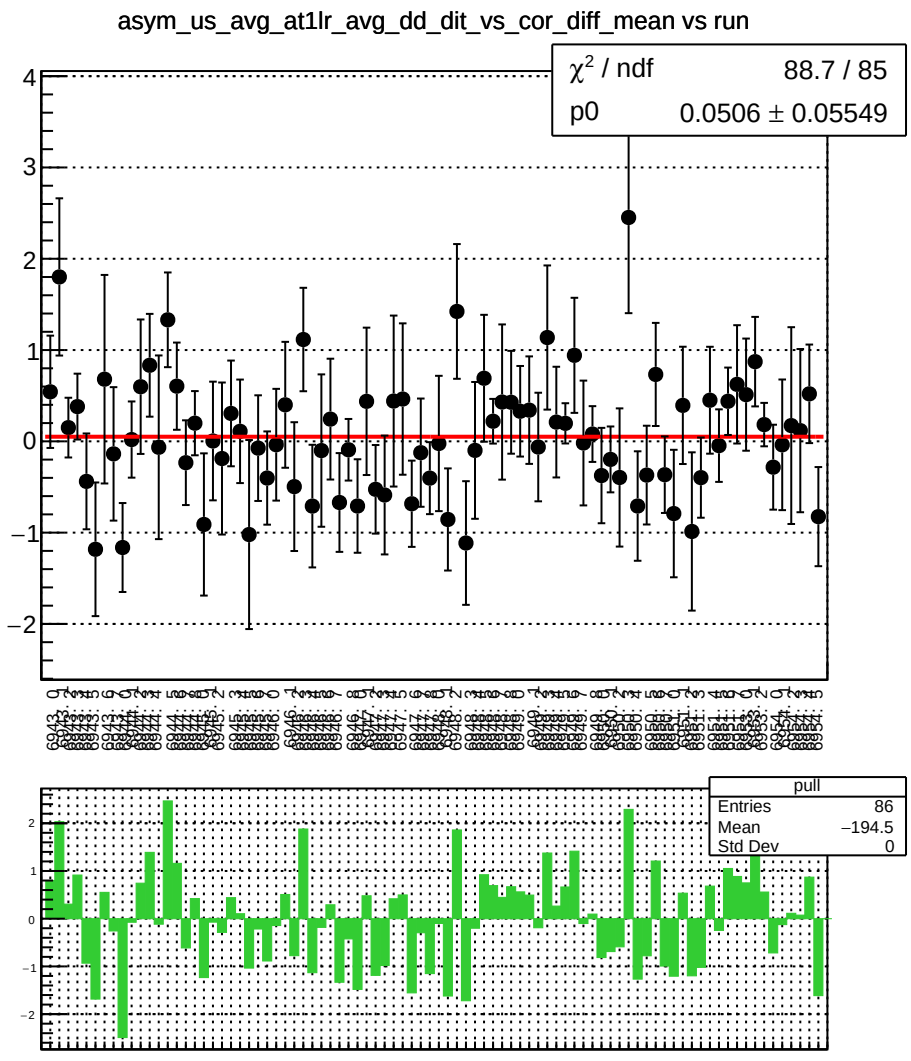

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 105.3 / 85
p0 −1596 ± 2132
pull
Entries 86
Mean 176.9
Std Dev 0

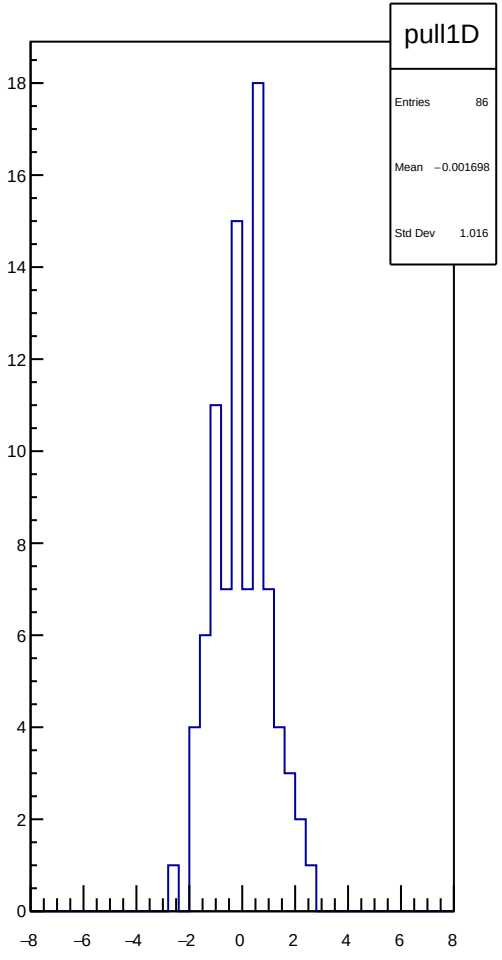

pull1D
Entries 86
Mean 0.006748
Std Dev 1.107

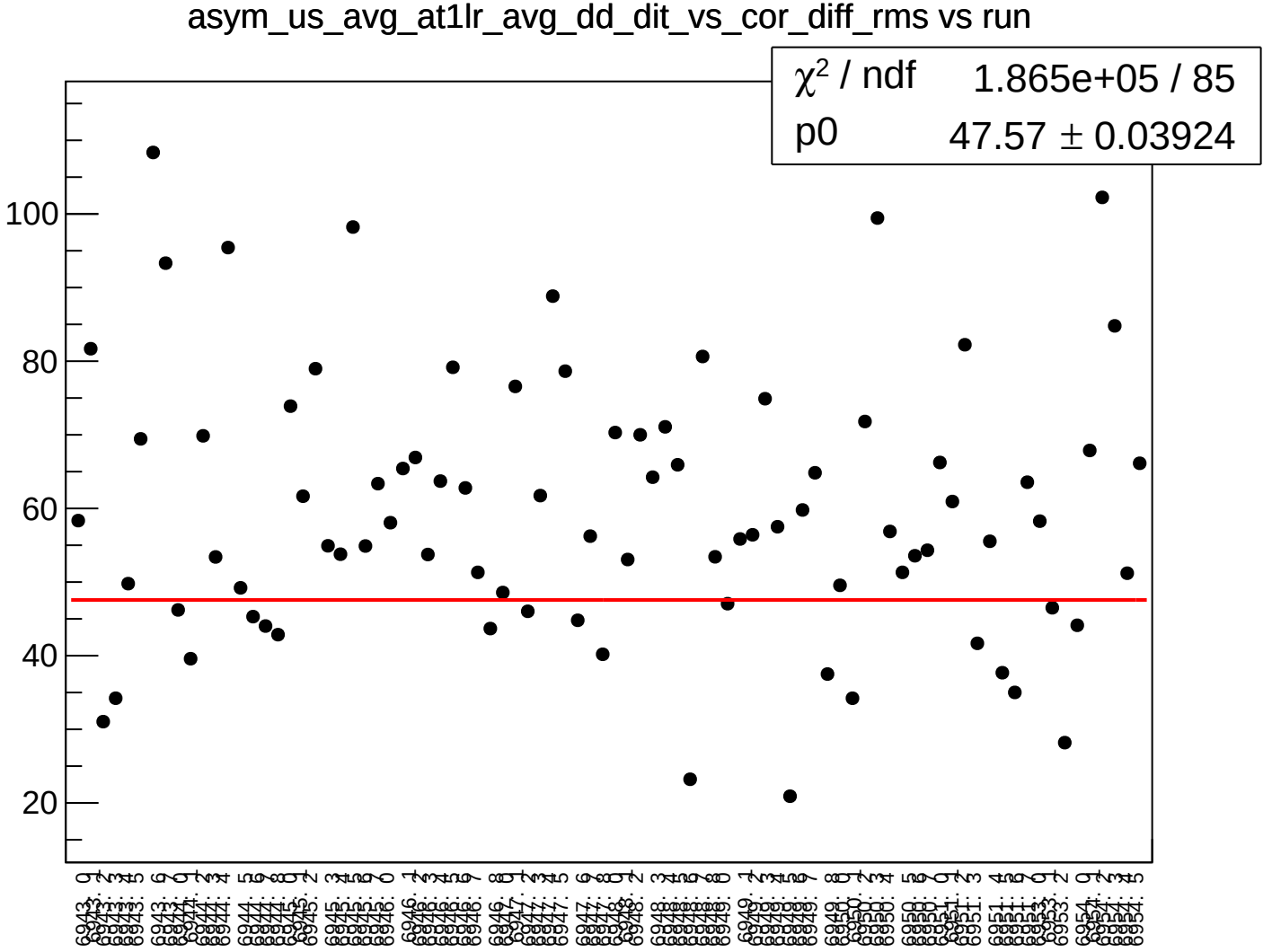

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 475.3 / 85
p0 1939 ± 1.507
2050
2000
1950
1900
1850

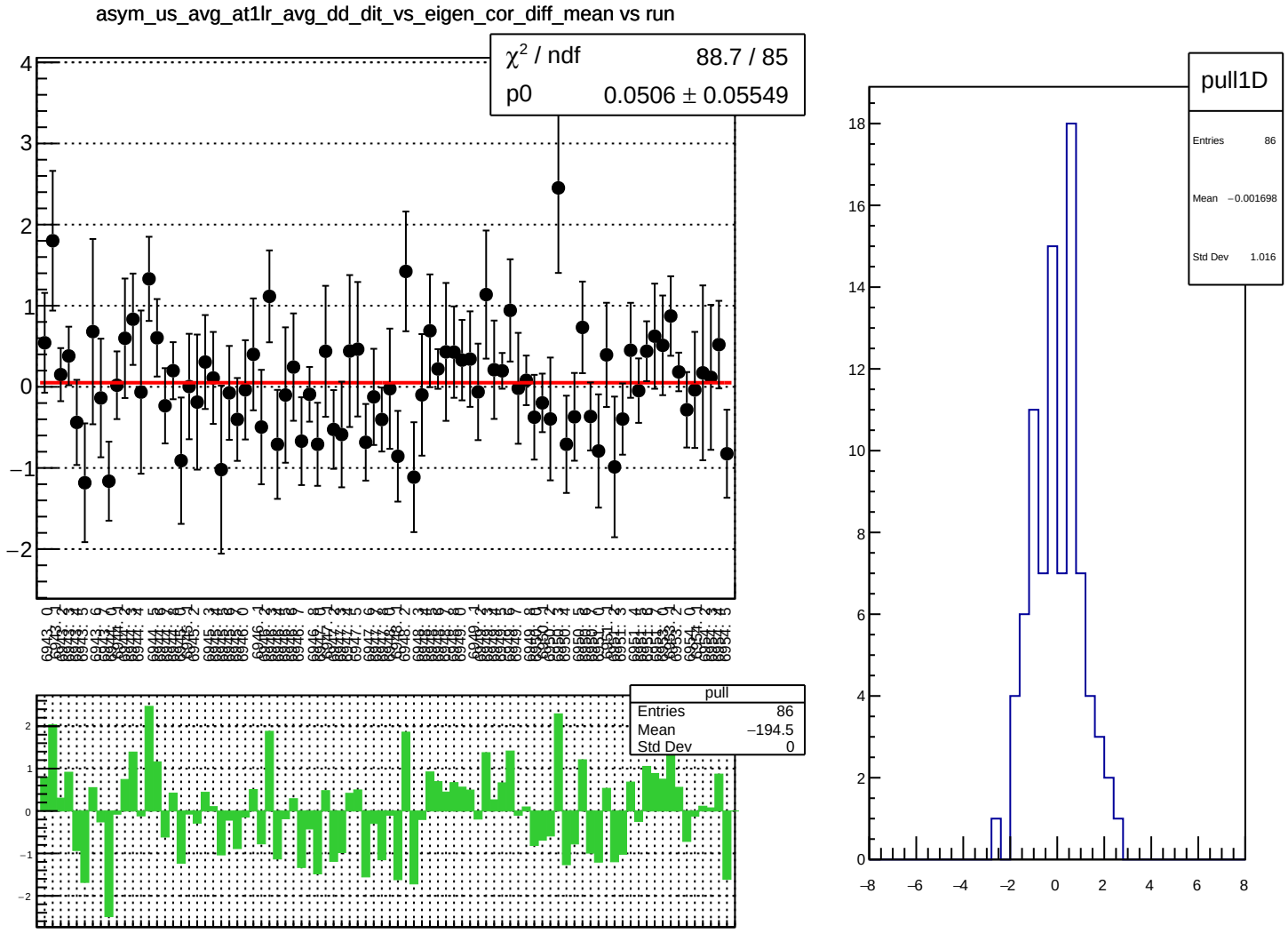

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.76 / 85
p0 2.249e−14 ± 3.329e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 86
Mean 98.65
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.03397
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

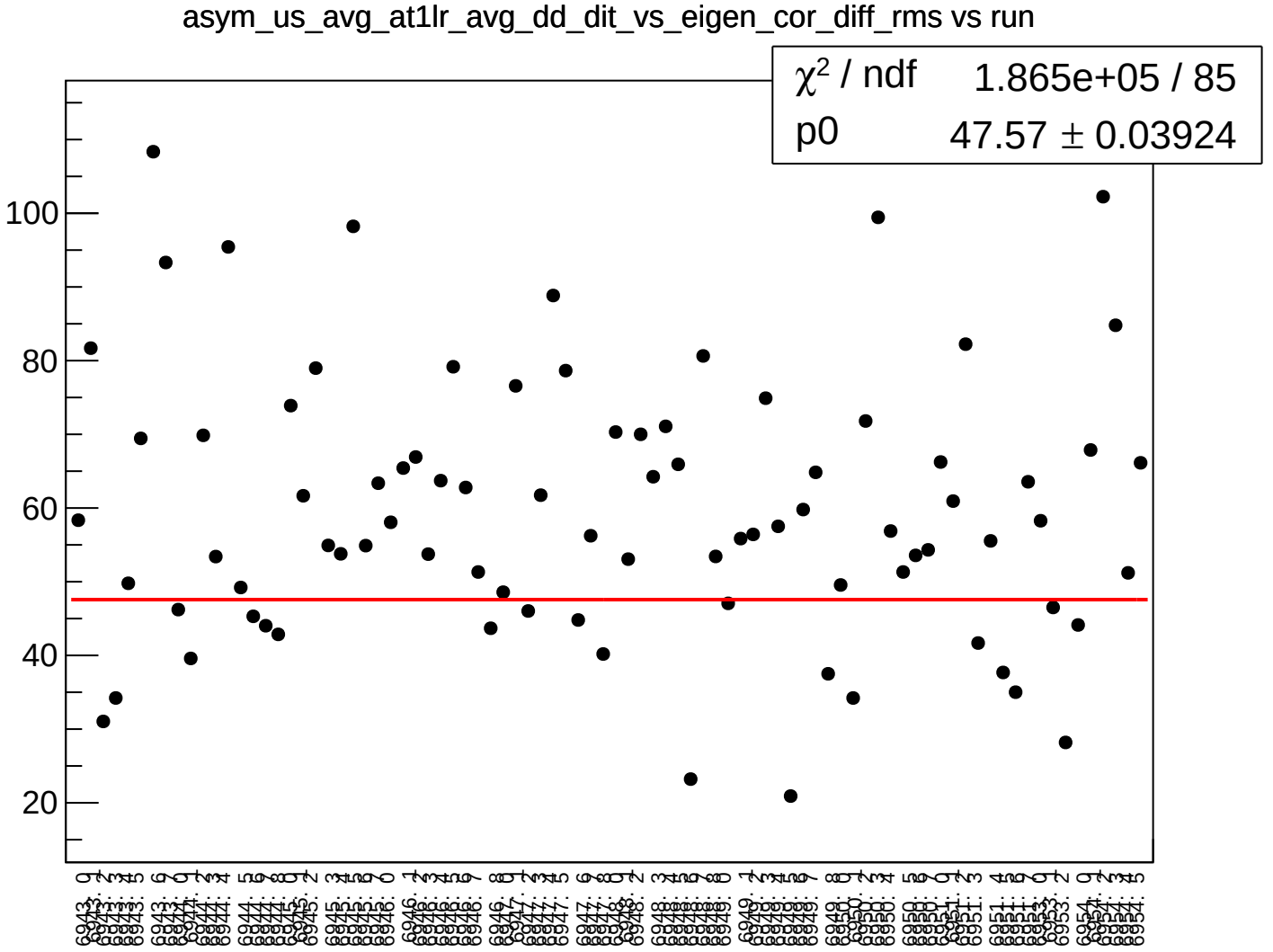

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.024e+06 / 85
p0 1.872e−11 ± 2.354e−14
1
0.8
0.6
0.4
0.2
0

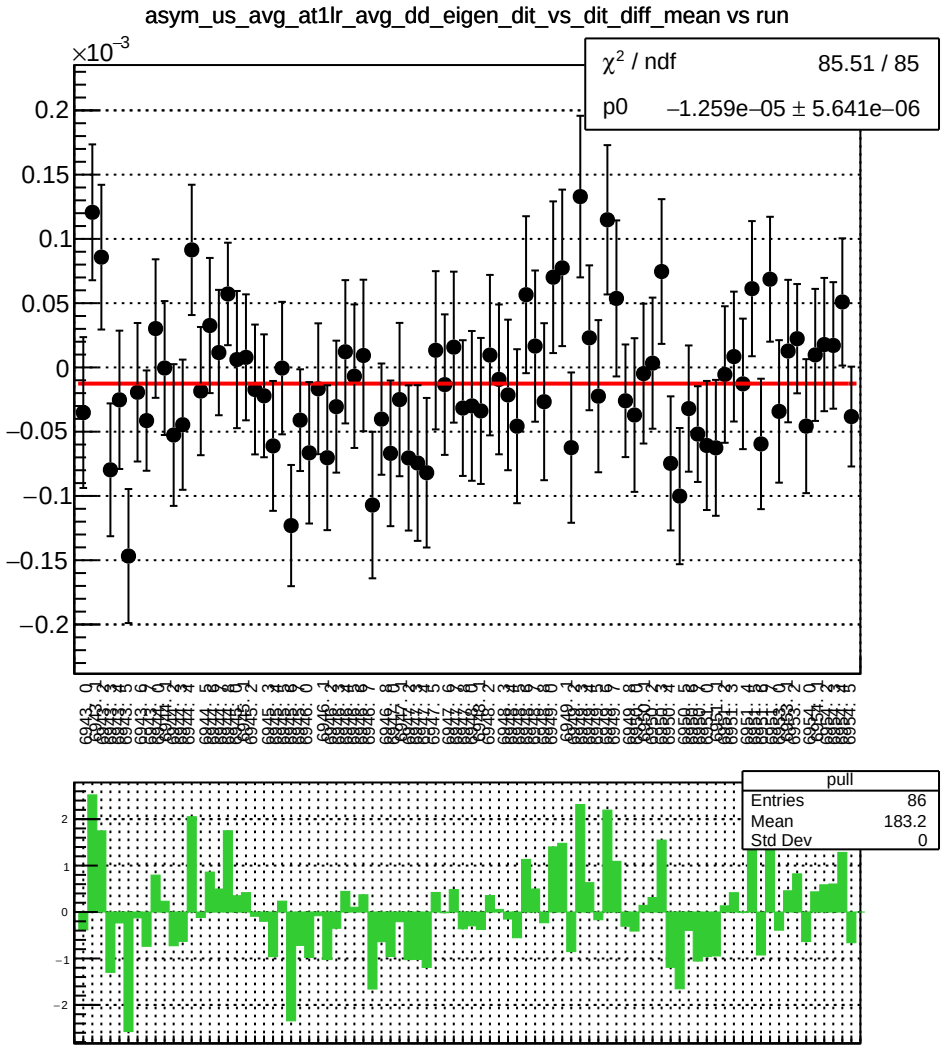

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 88.7 / 85
p0 0.0506 ± 0.05549
pull
Entries 86
Mean −194.5
Std Dev 0

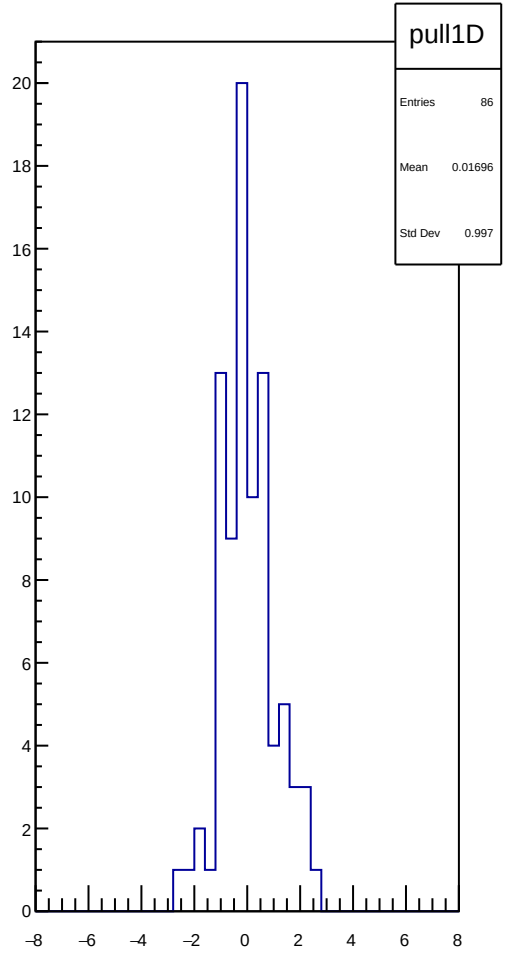

pull1D
Entries 86
Mean −0.001698
Std Dev 1.016

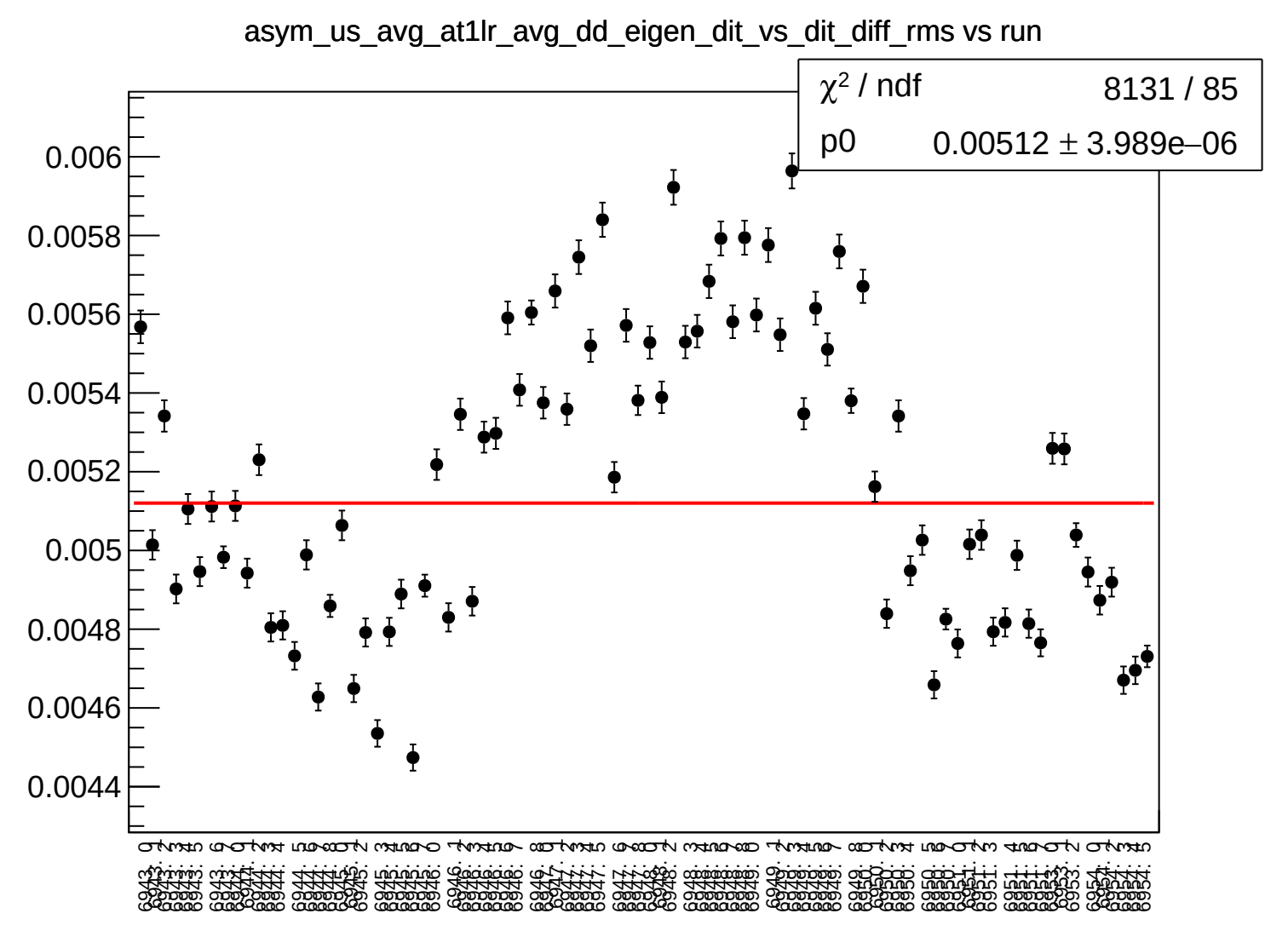

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.865e+05 / 85
p0 47.57 ± 0.03924
100
80
60
40
20

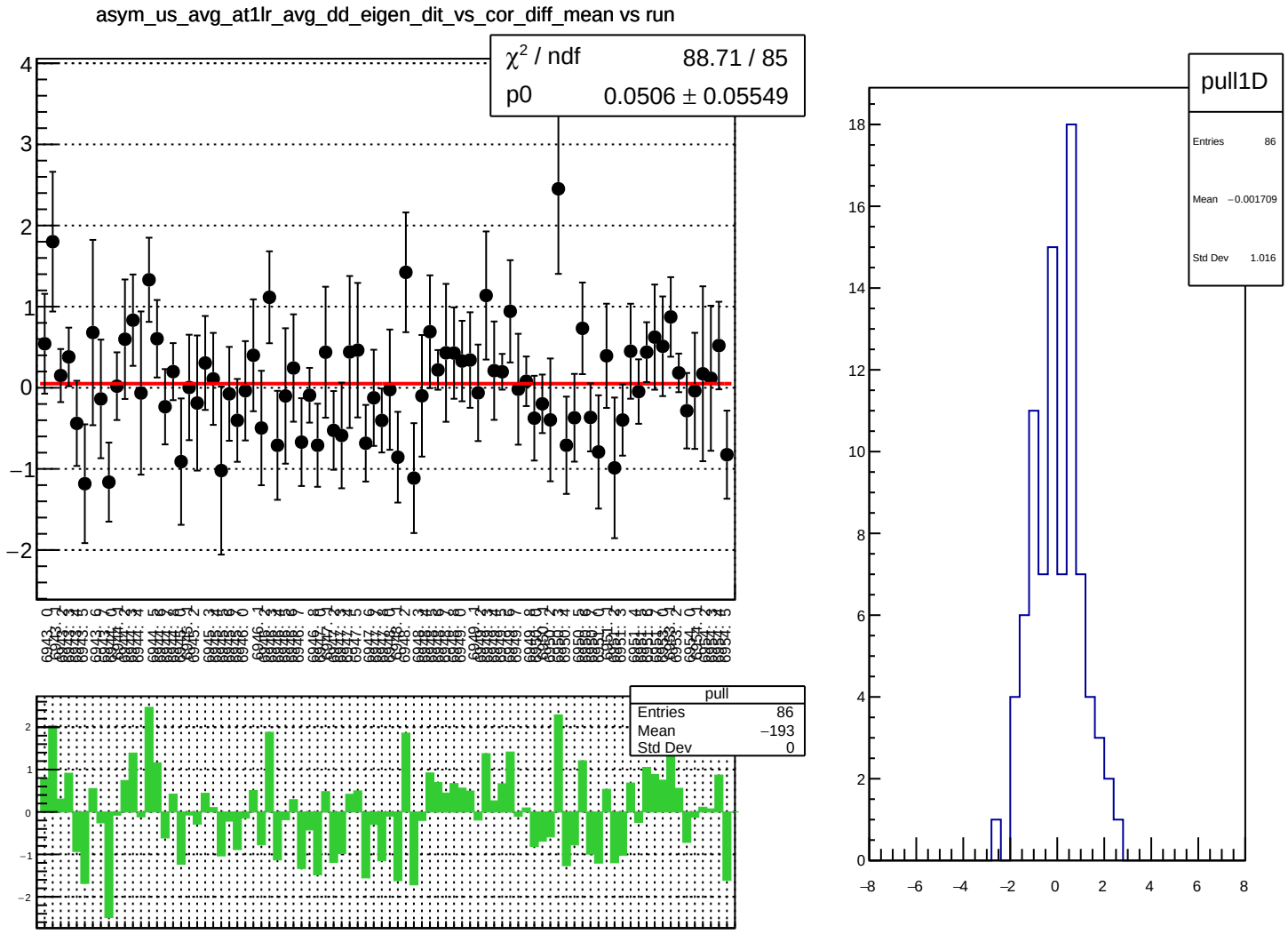

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.7 / 85
p0 0.0506 ± 0.05549
pull
Entries 86
Mean −194.5
Std Dev 0
pull1D
Entries 86
Mean −0.001698
Std Dev 1.016

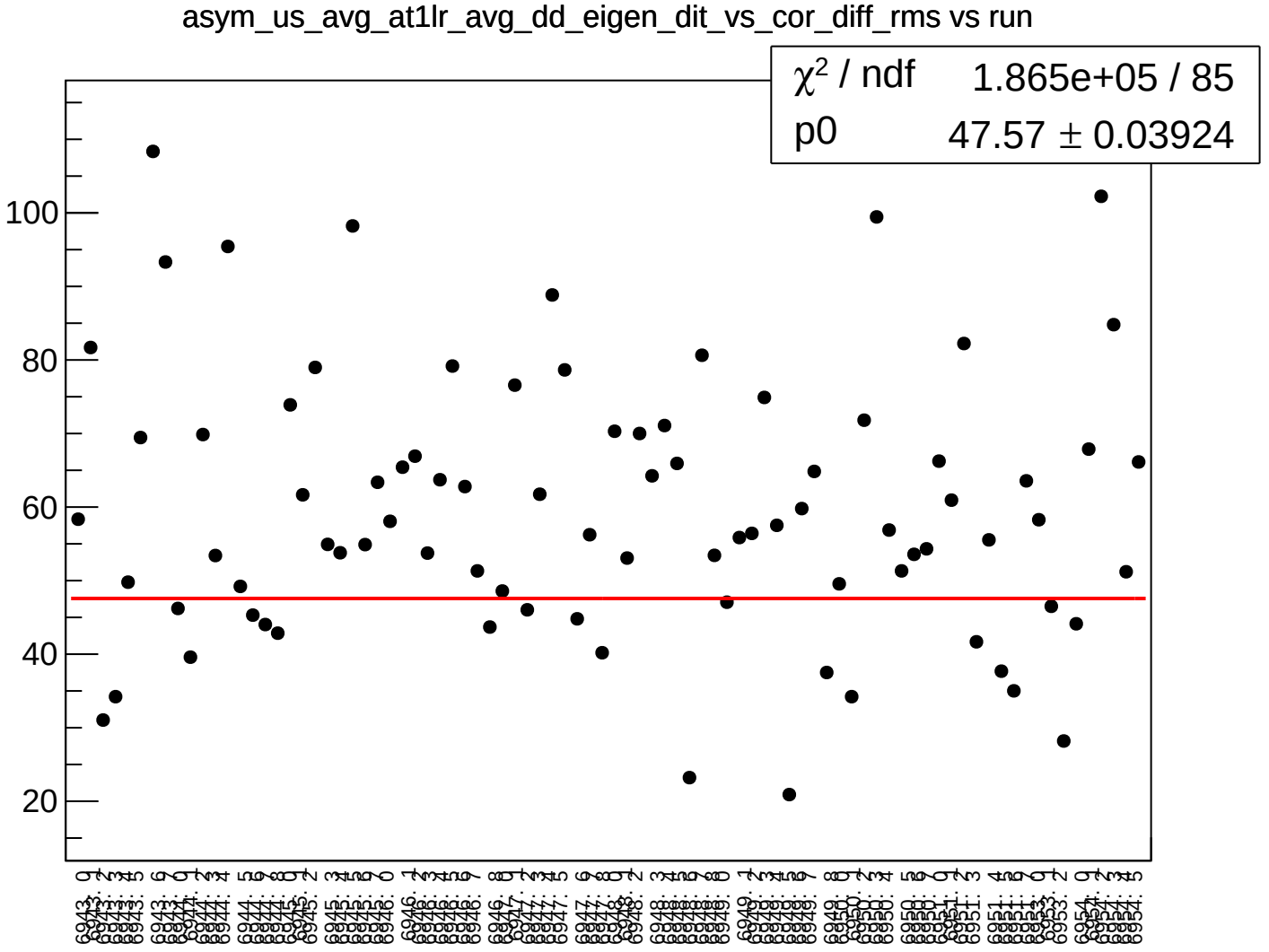

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.865e+05 / 85
p0 47.57 ± 0.03924
100
80
60
40
20

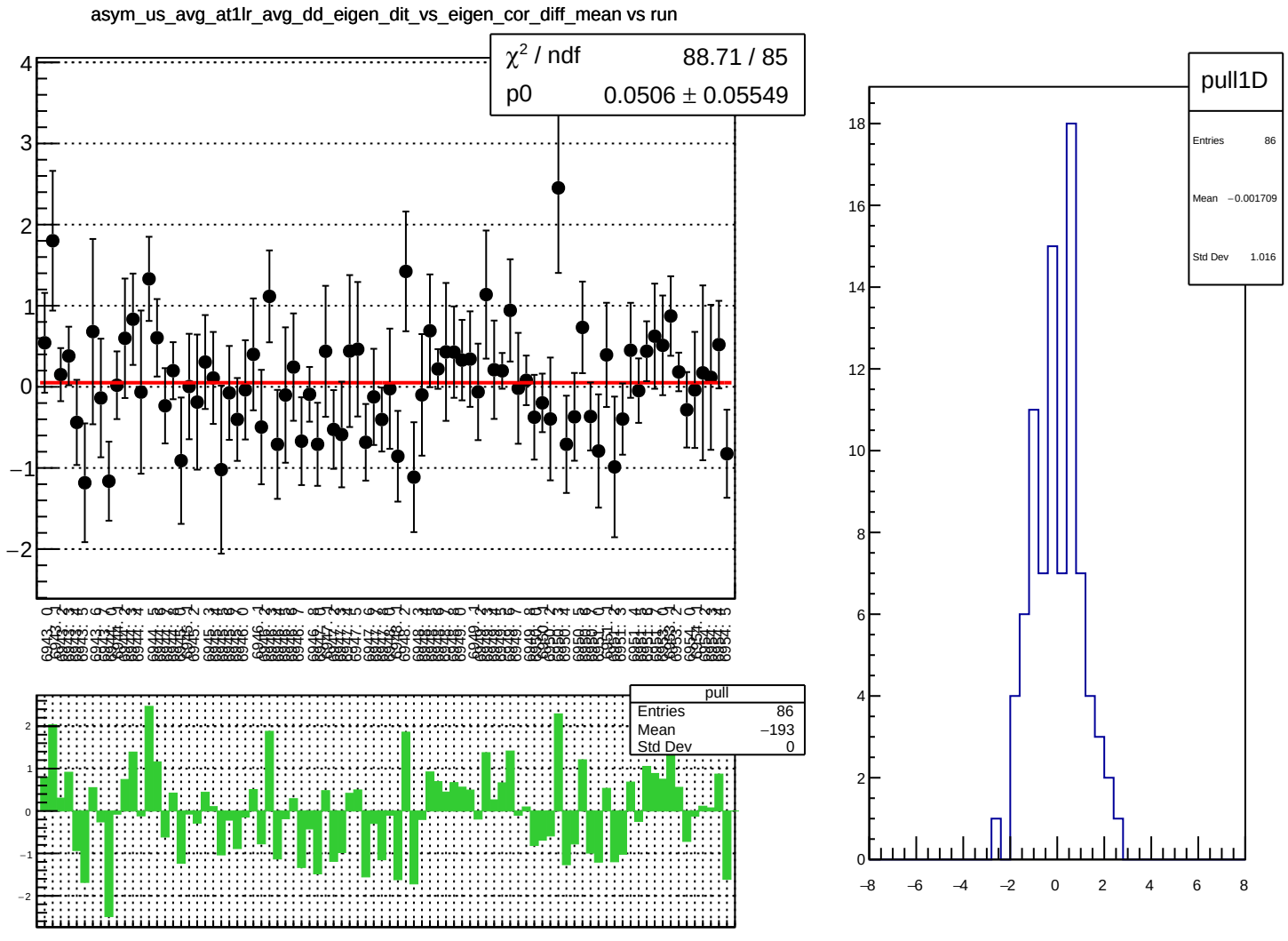

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.51 / 85
p0 −1.259e−05 ± 5.641e−06
pull
Entries 86
Mean 183.2
Std Dev 0

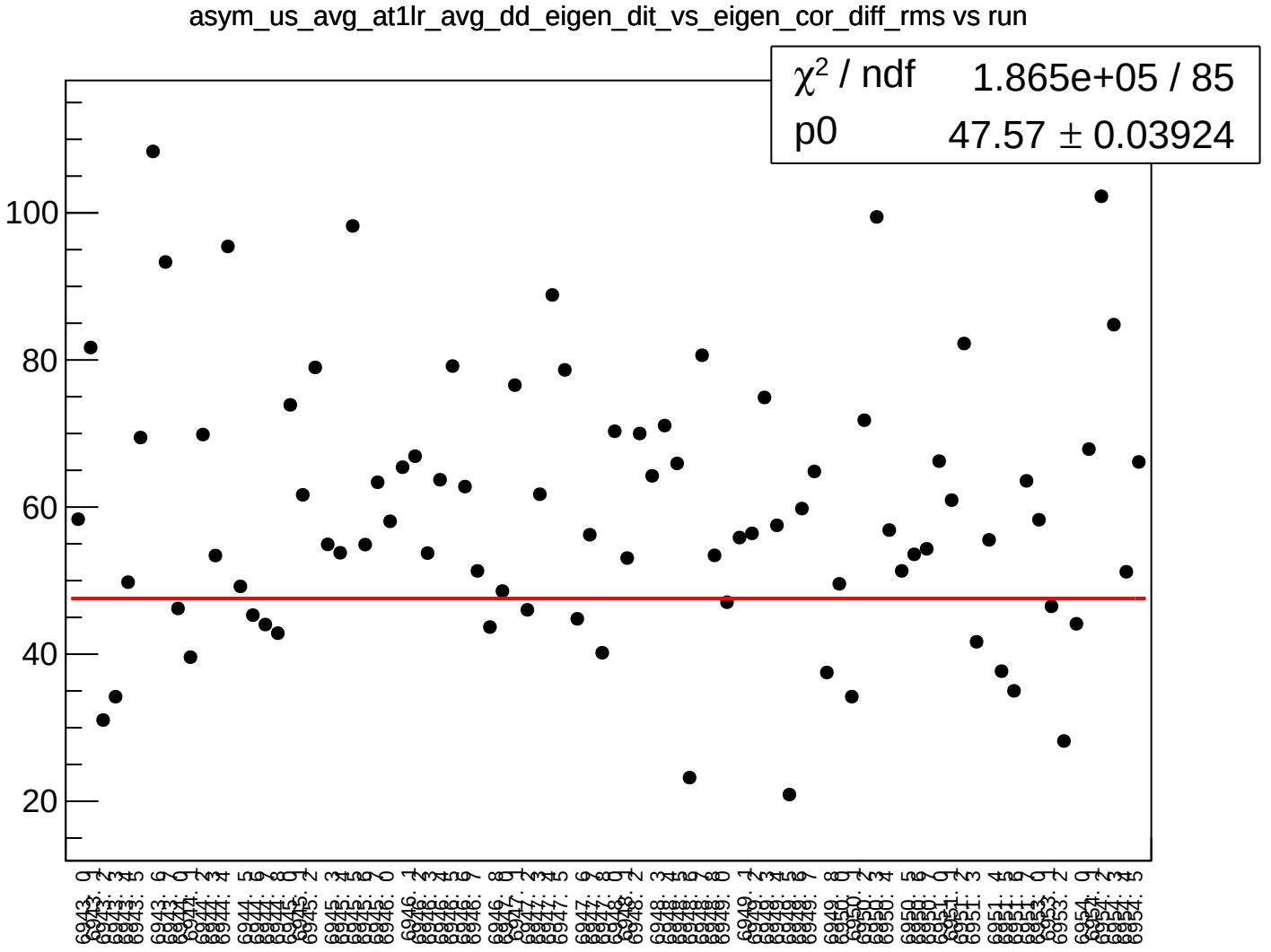

pull1D
Entries 86
Mean 0.01696
Std Dev 0.997

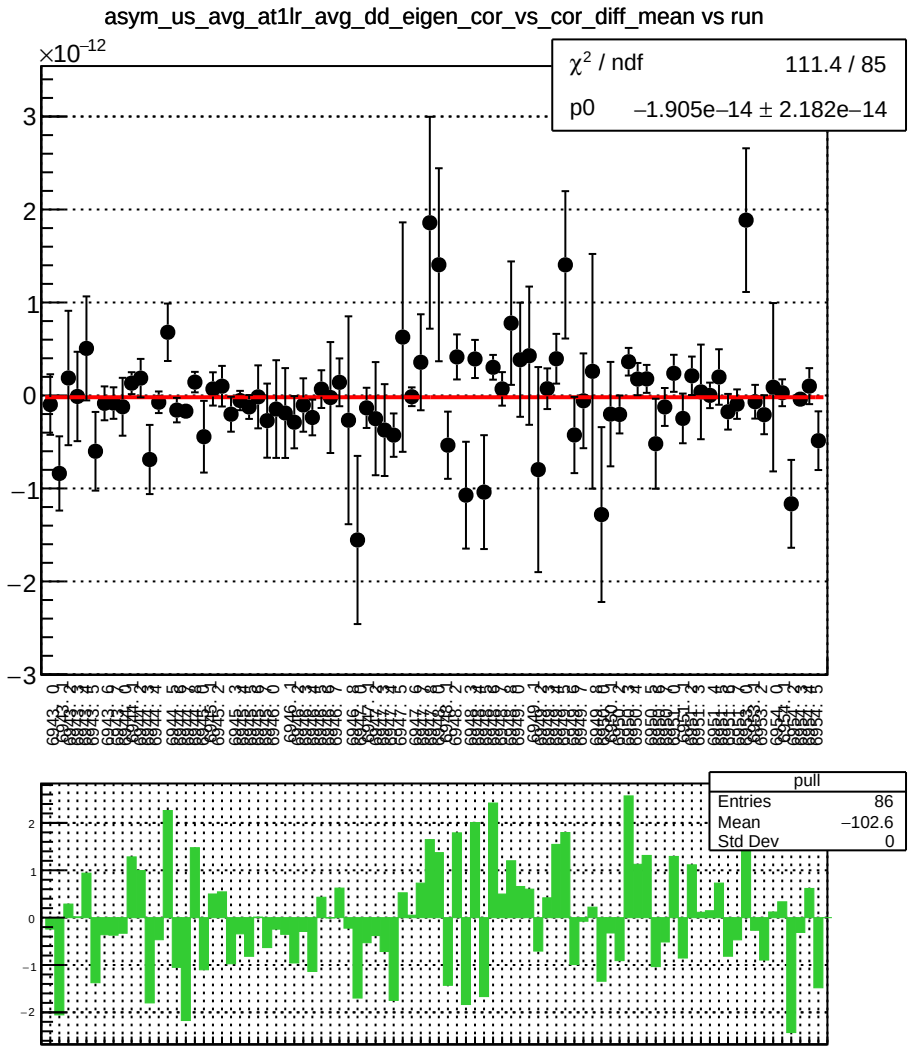

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8131 / 85
p0 0.00512 ± 3.989e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044

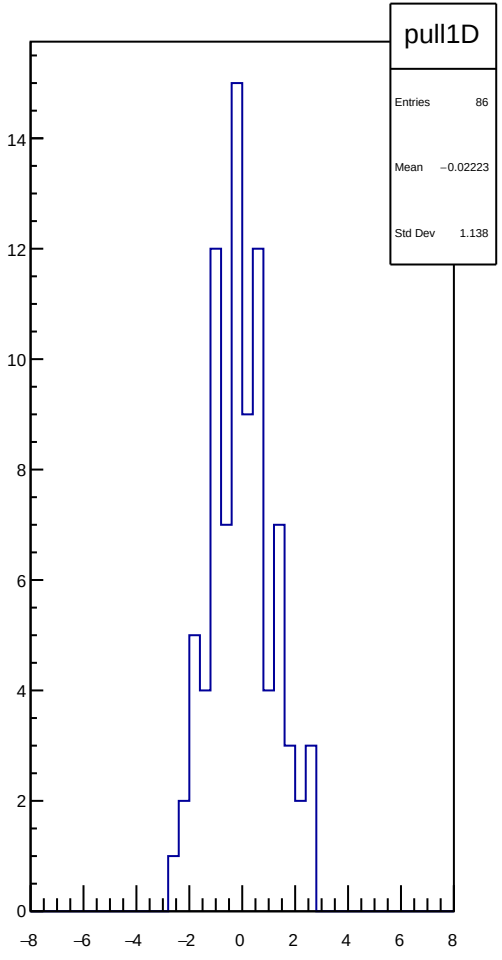

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.71 / 85
p0 0.0506 ± 0.05549
pull
Entries 86
Mean −193
Std Dev 0
pull1D
Entries 86
Mean −0.001709
Std Dev 1.016

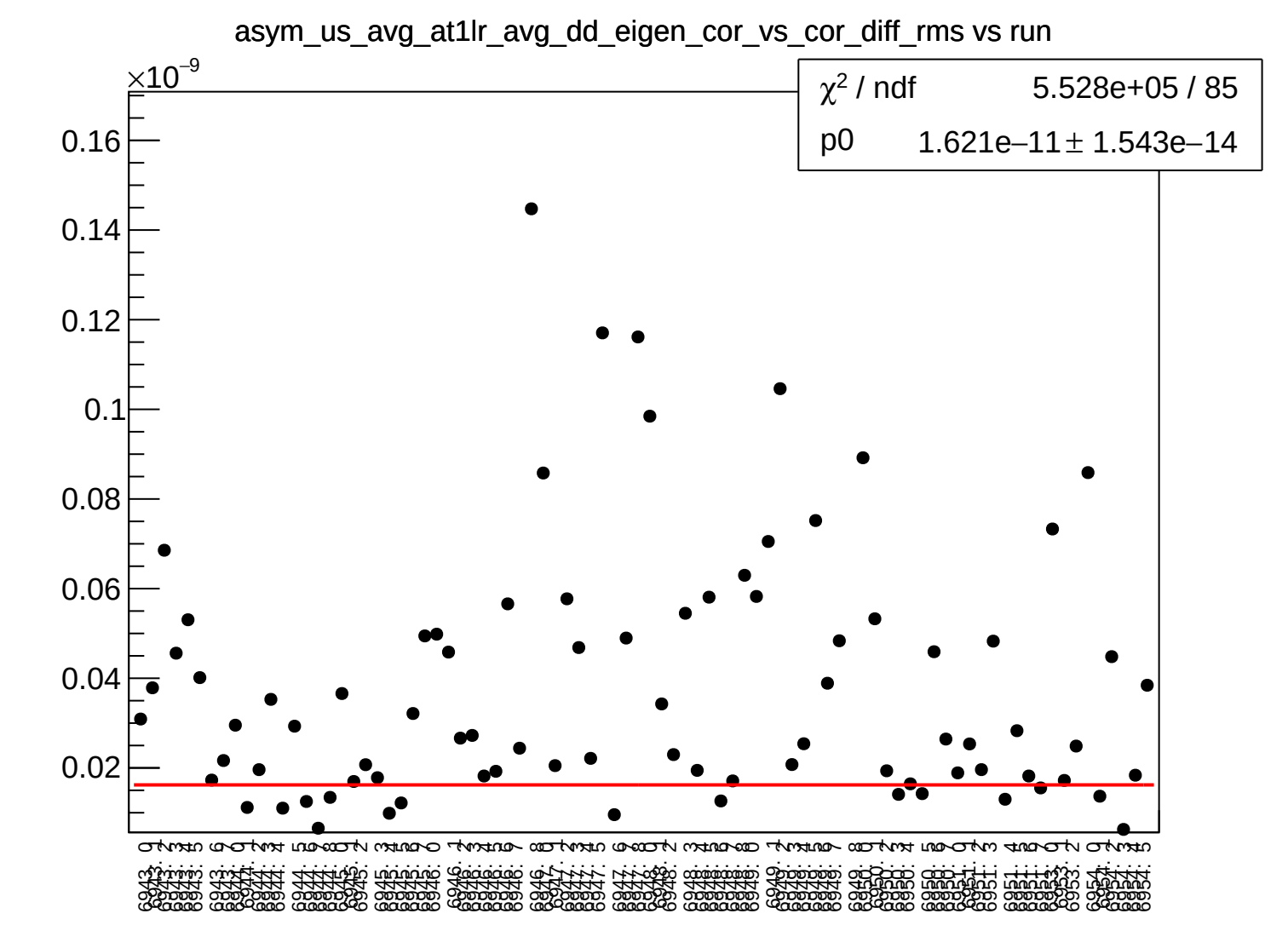

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.865e+05 / 85
p0 47.57 ± 0.03924
100
80
60
40
20

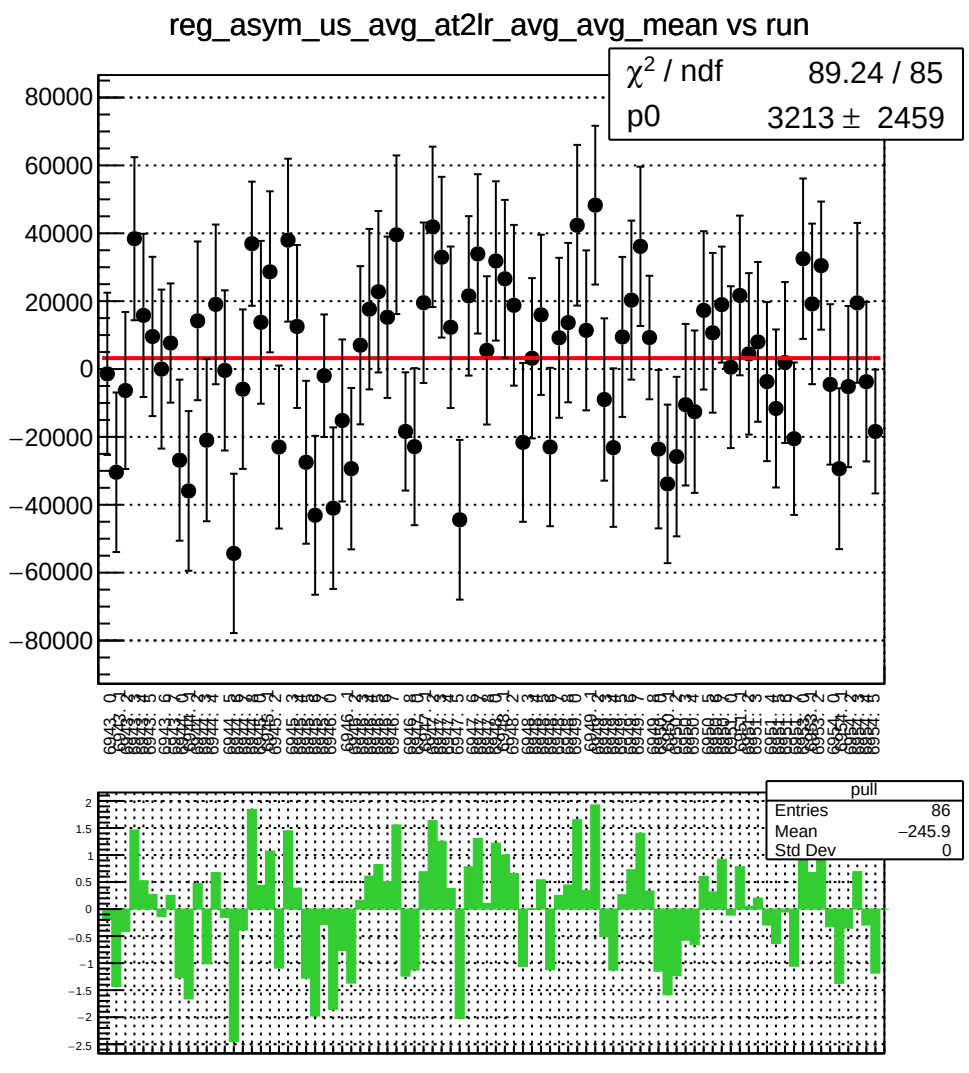

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.71 / 85
p0 0.0506 ± 0.05549
pull
Entries 86
Mean −193
Std Dev 0
pull1D
Entries 86
Mean −0.001709
Std Dev 1.016

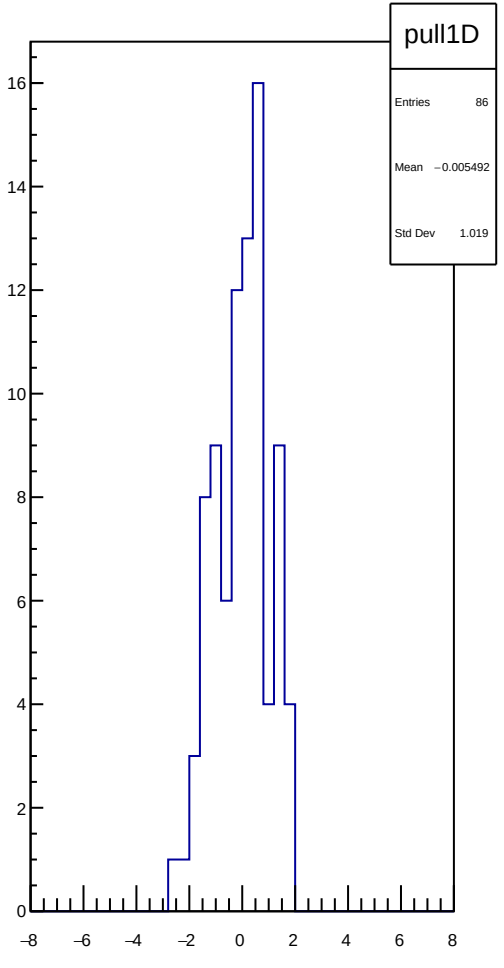

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.865e+05 / 85
p0 47.57 ± 0.03924
100
80
60
40
20

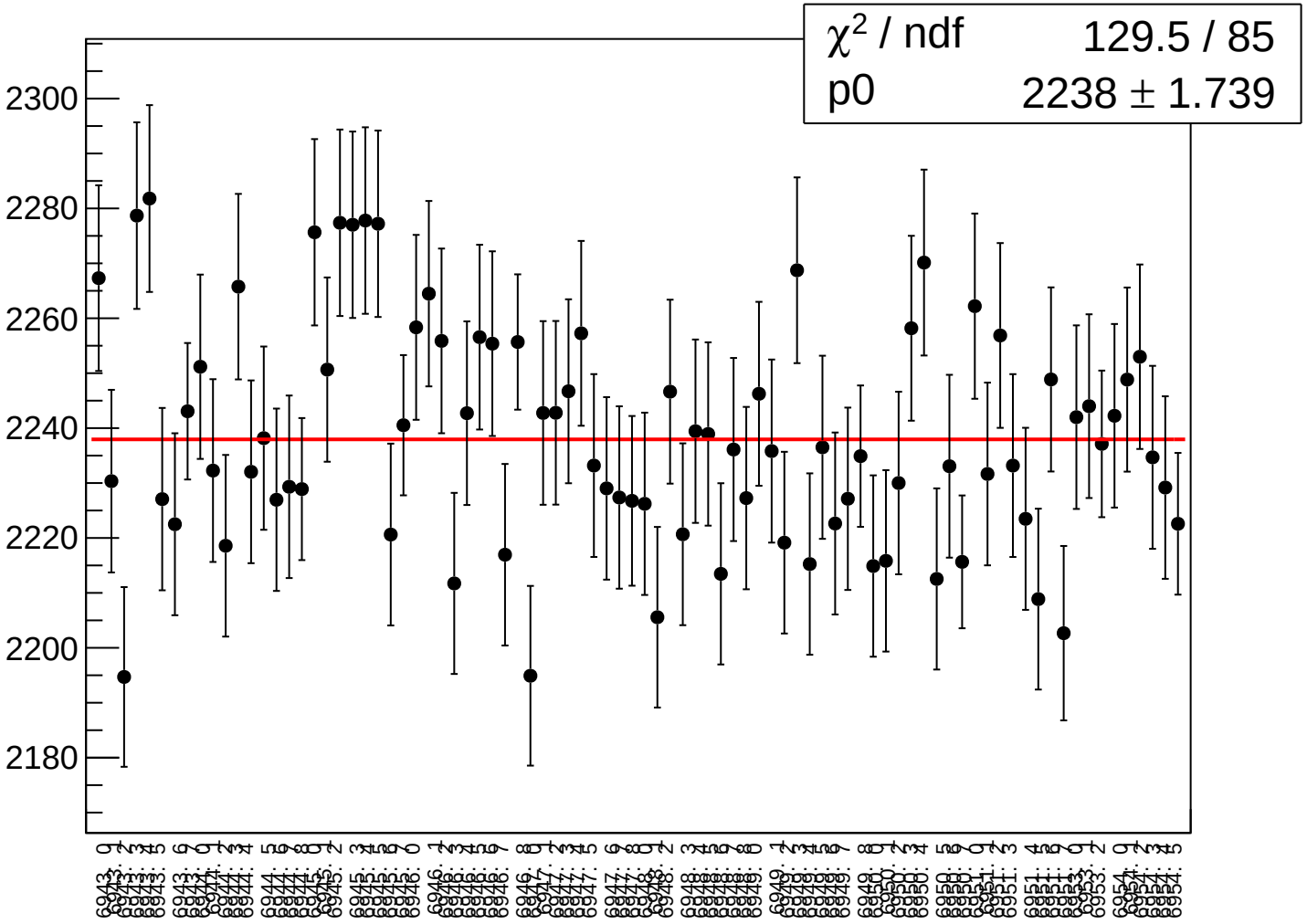

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.4 / 85
p0 −1.905e−14 ± 2.182e−14
pull
Entries 86
Mean −102.6
Std Dev 0

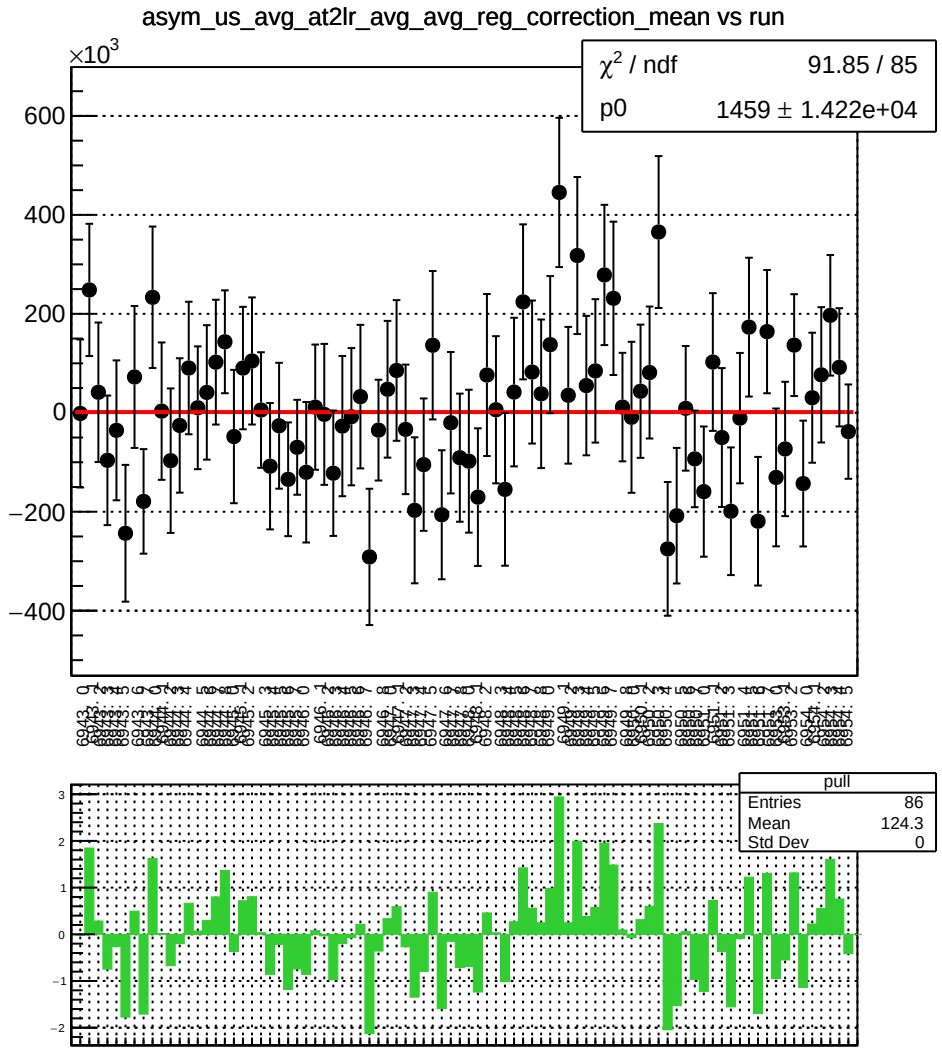

pull1D
Entries 86
Mean −0.02223
Std Dev 1.138

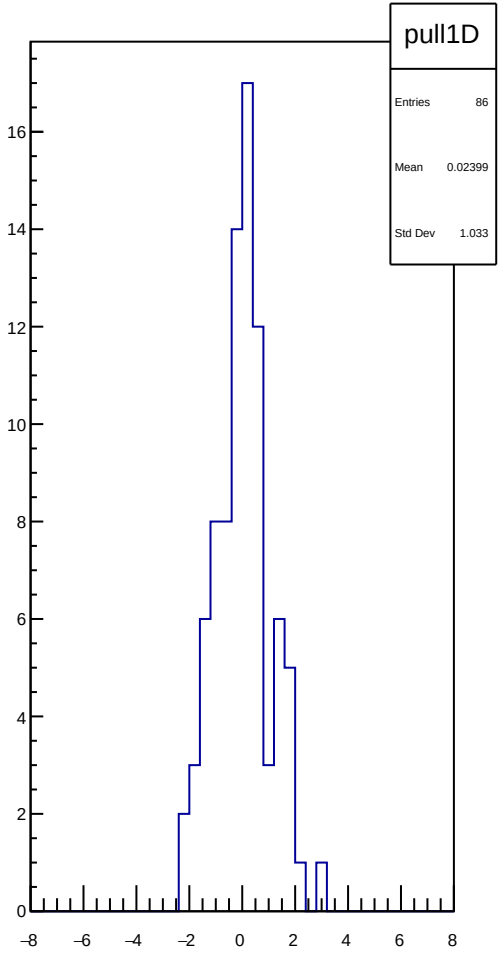

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.528e+05 / 85
p0 1.621e−11 ± 1.543e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

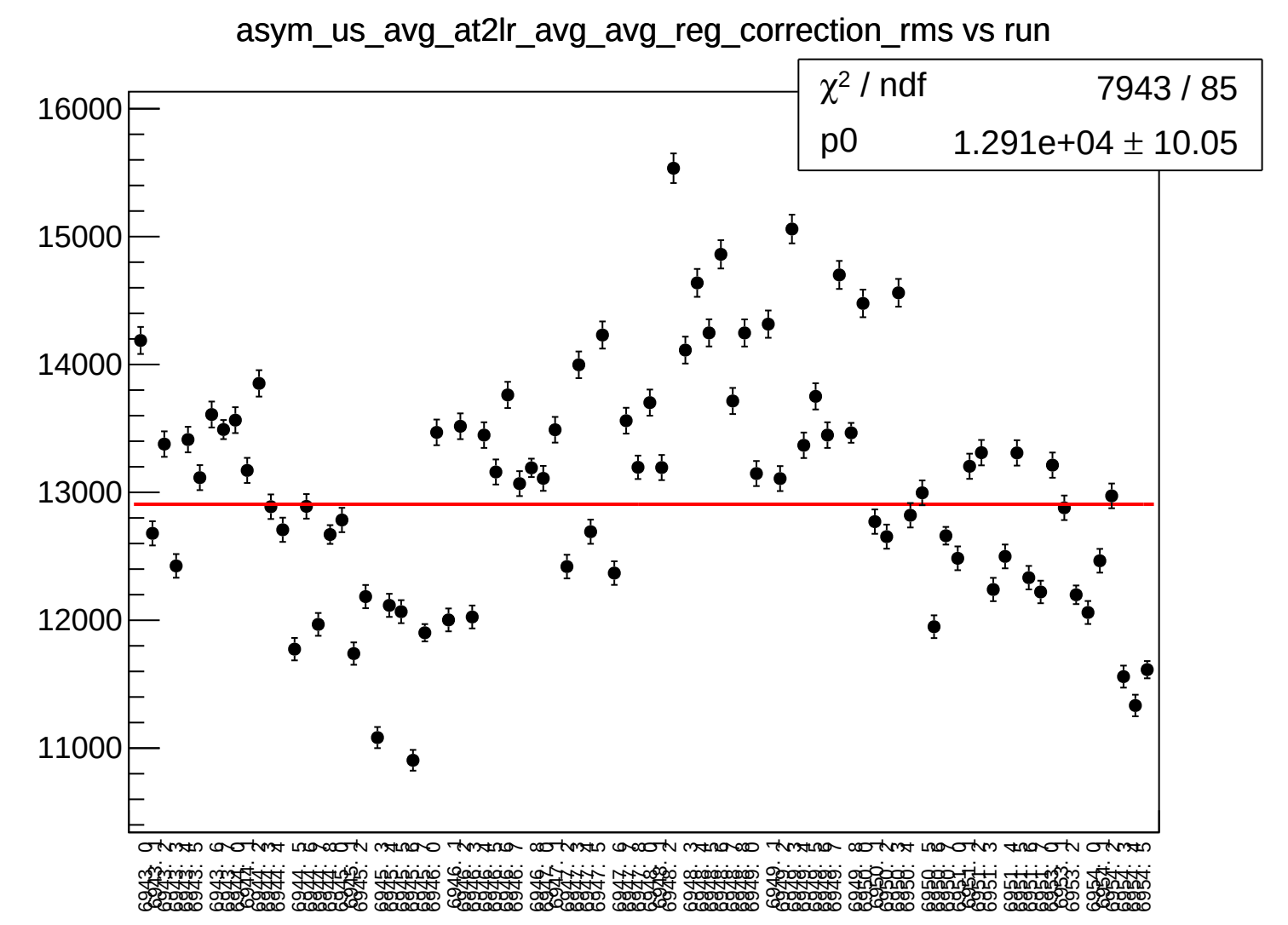

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 89.24 / 85
p0 3213 ± 2459
pull
Entries 86
Mean −245.9
Std Dev 0

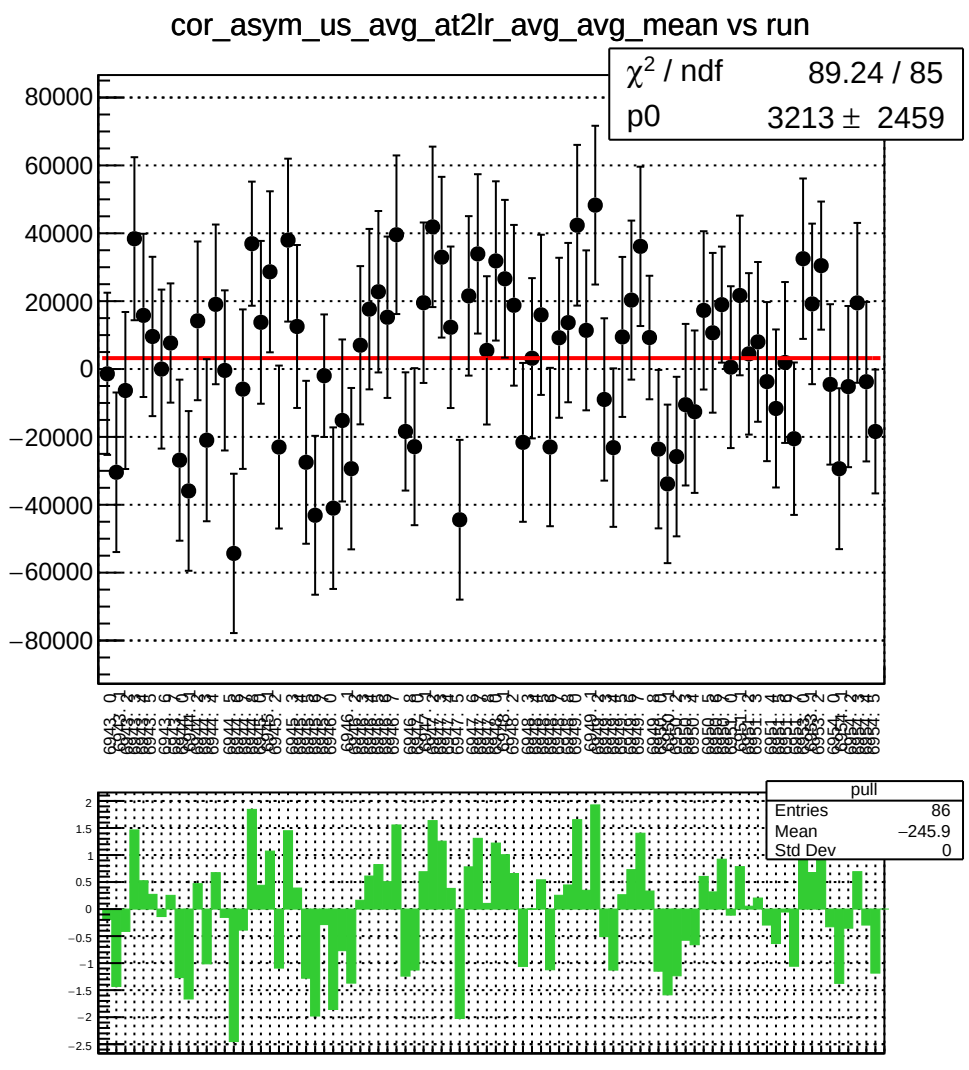

pull1D
Entries 86
Mean −0.005492
Std Dev 1.019

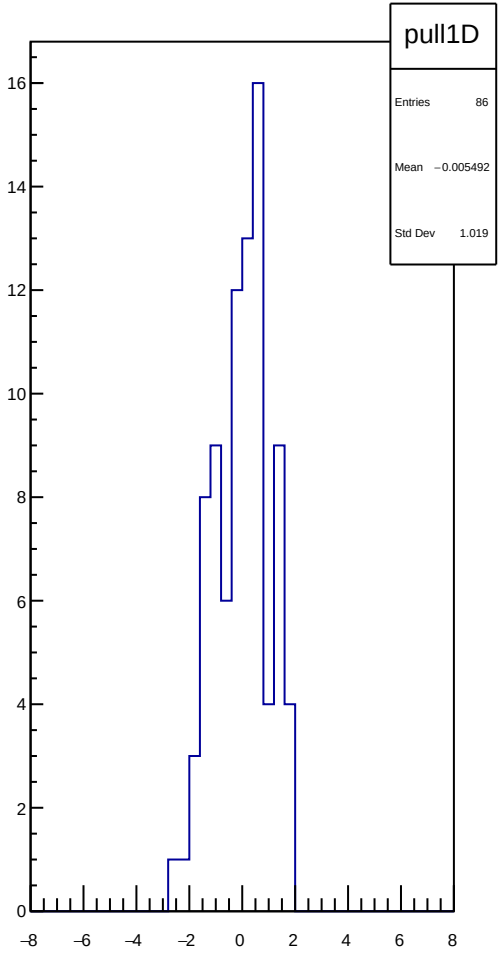

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 129.5 / 85
p0 2238 ± 1.739
2300
2280
2260
2240
2220
2200
2180

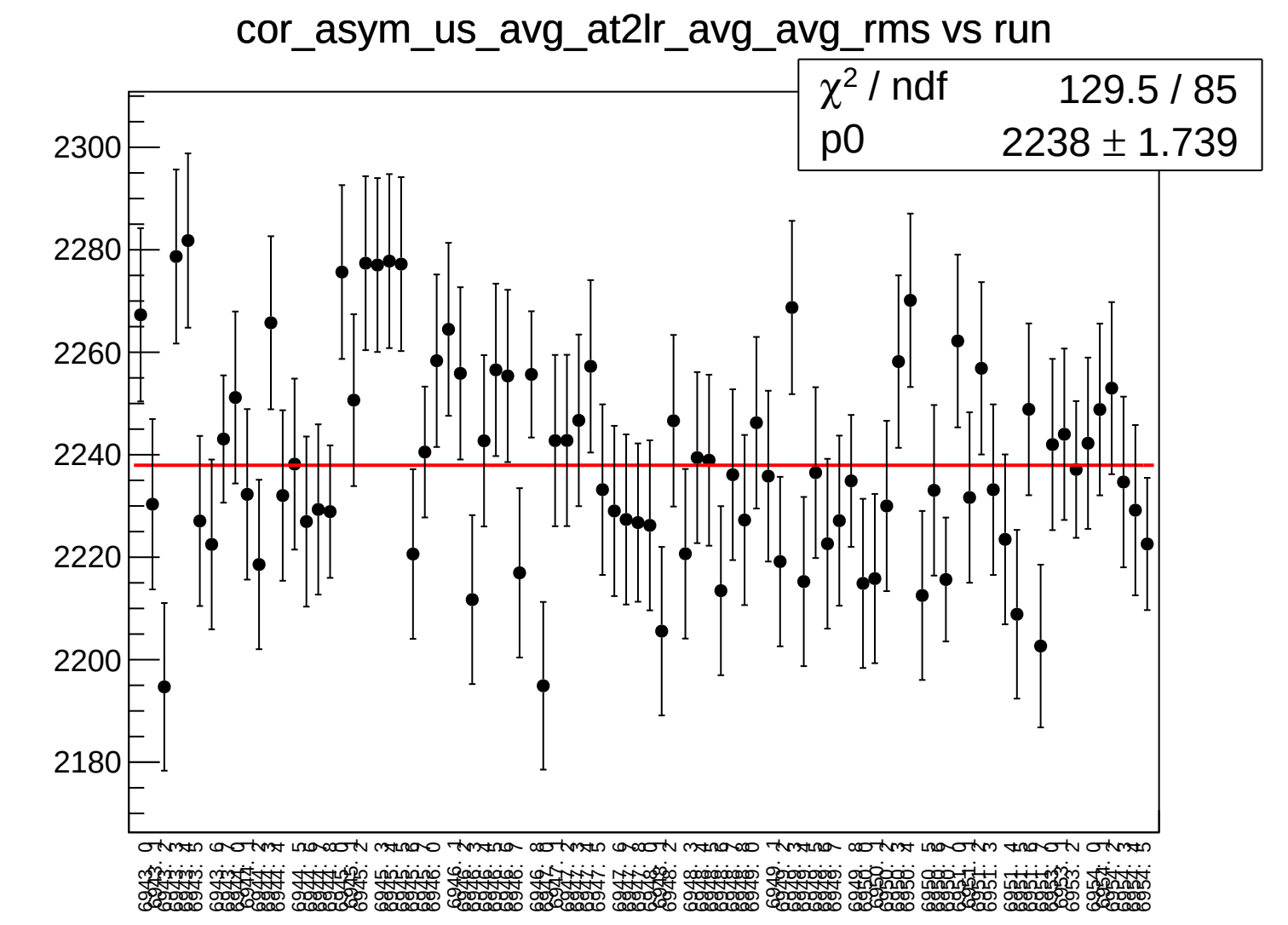

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 91.85 / 85
p0 1459 ± 1.422e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 124.3
Std Dev 0
3
2
1
0
−1
−2

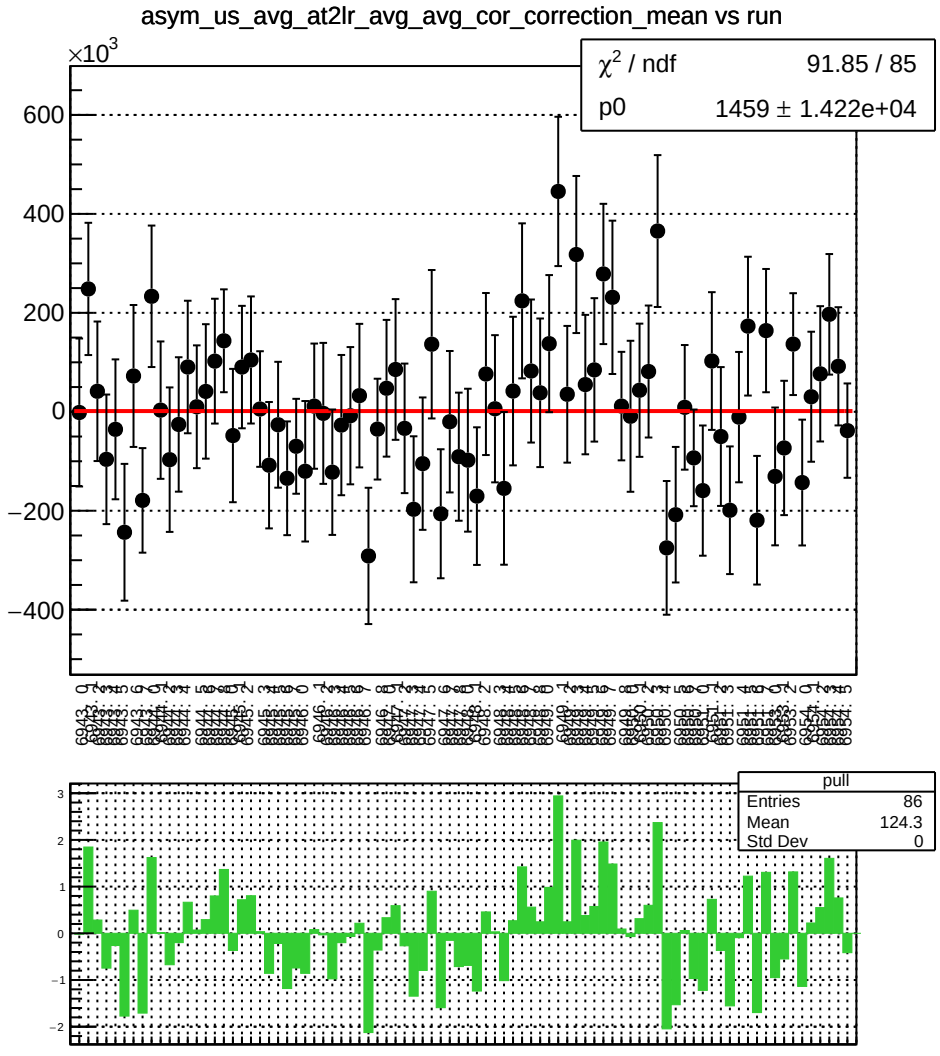

pull1D
Entries 86
Mean 0.02399
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

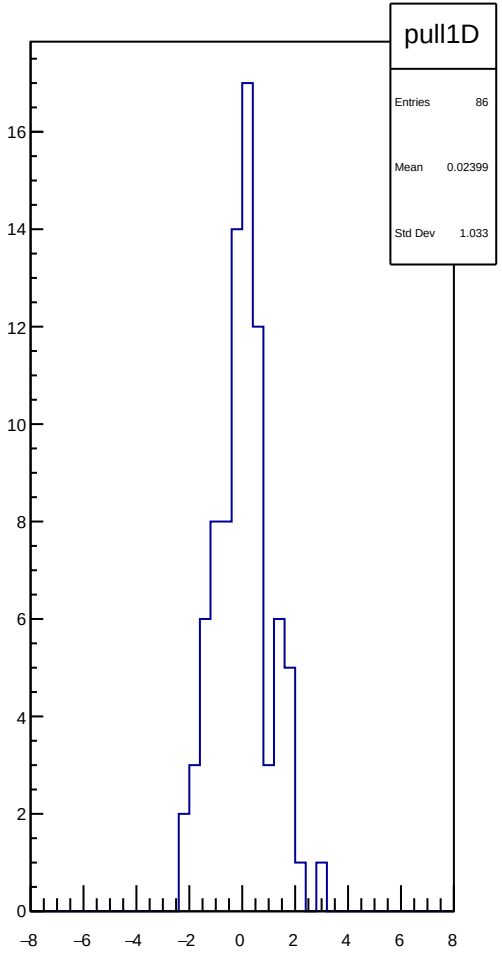

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 7943 / 85
p0 1.291e+04 ± 10.05
16000
15000
14000
13000
12000
11000

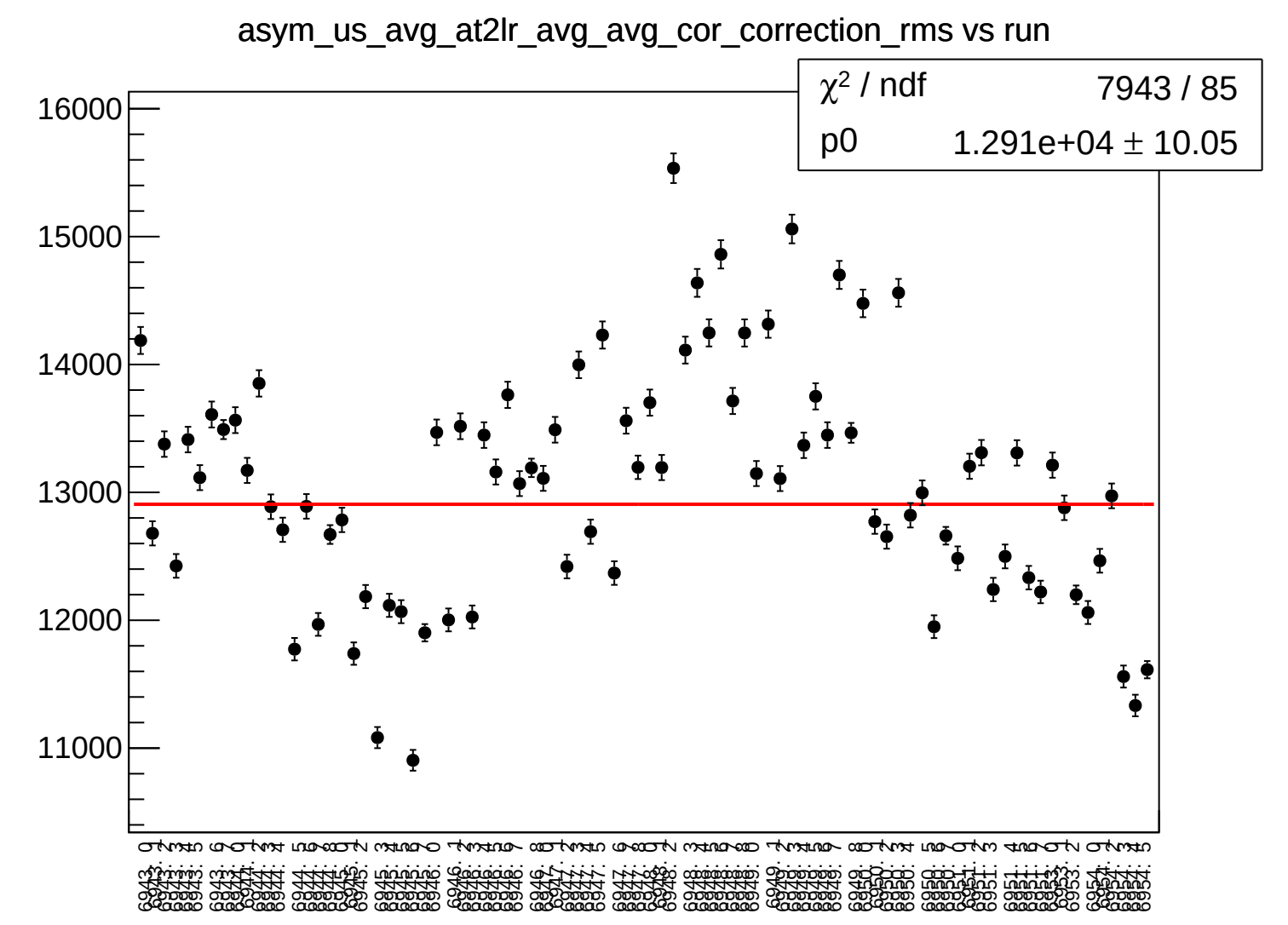

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 89.24 / 85
p0 3213 ± 2459
pull
Entries 86
Mean −245.9
Std Dev 0

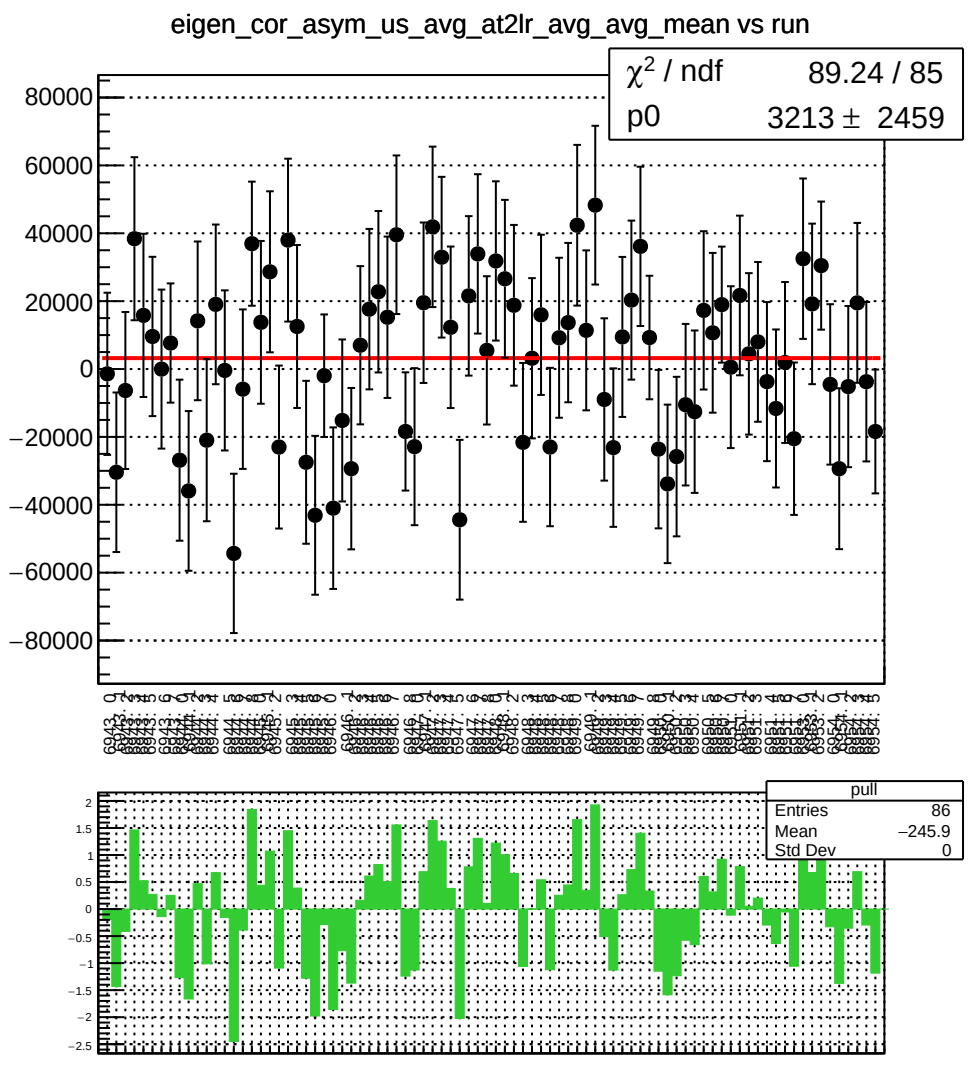

pull1D
Entries 86
Mean −0.005492
Std Dev 1.019

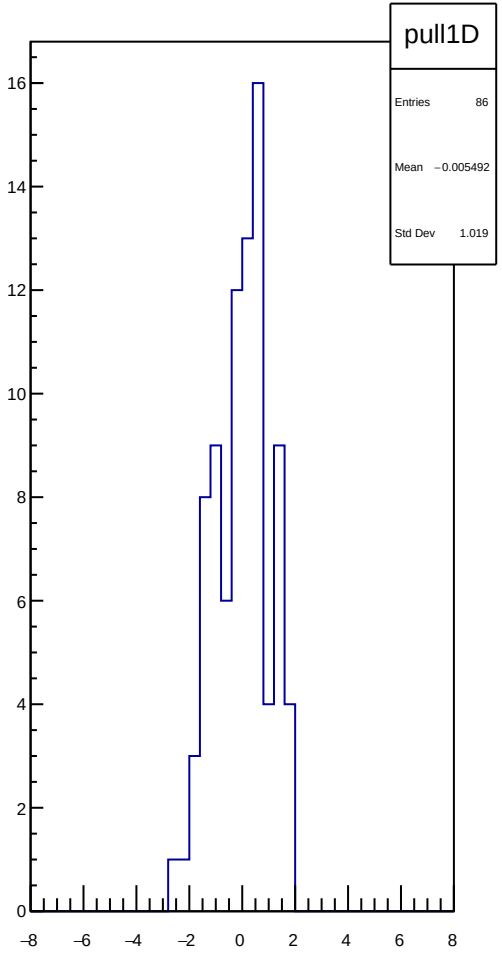

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 129.5 / 85
p0 2238 ± 1.739
2300
2280
2260
2240
2220
2200
2180

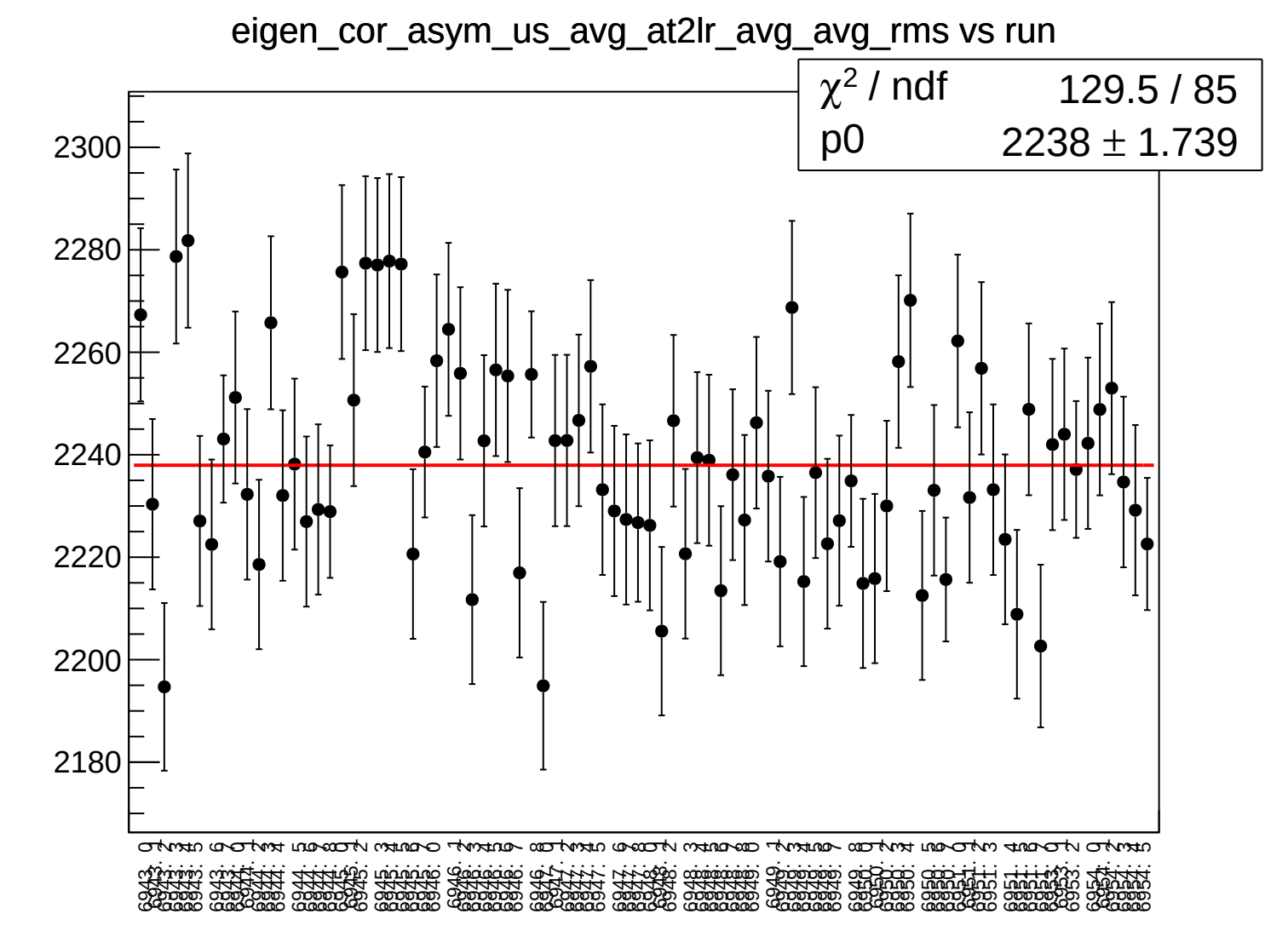

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.85 / 85
p0 1459 ± 1.422e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 124.3
Std Dev 0
3
2
1
0
−1
−2

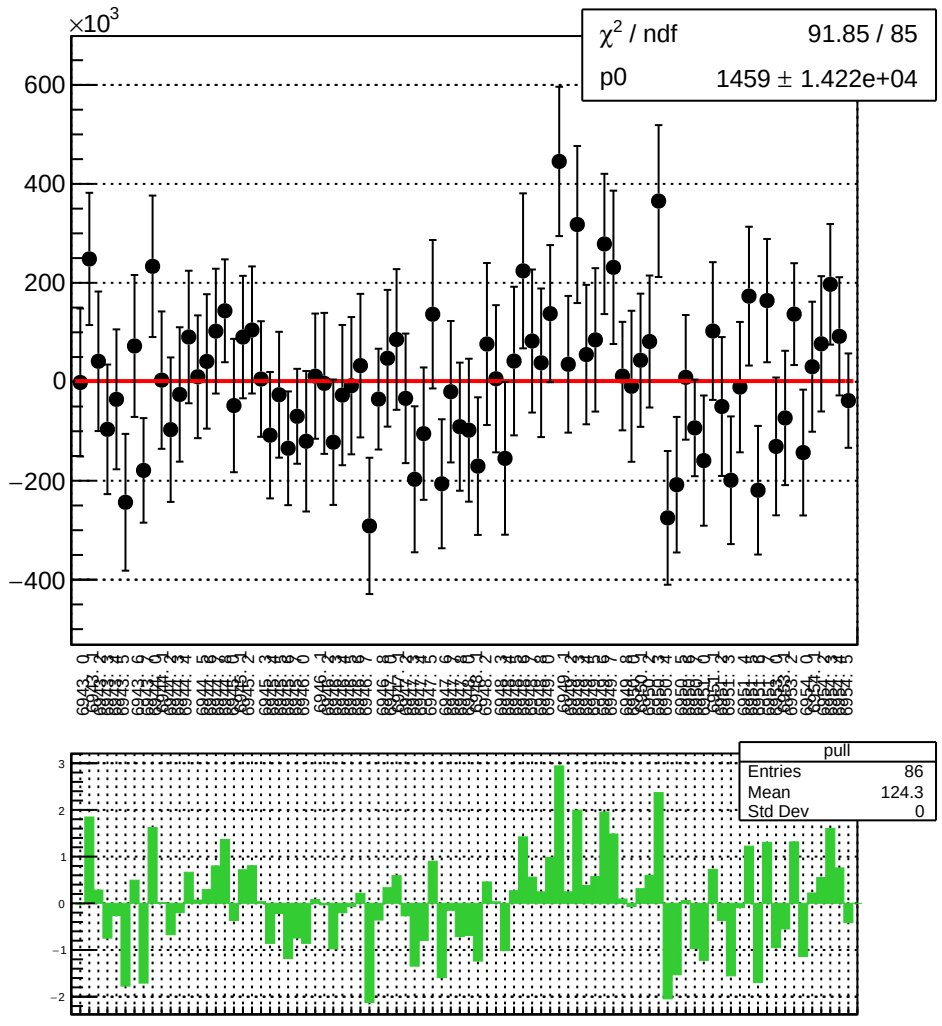

pull1D
Entries 86
Mean 0.02399
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

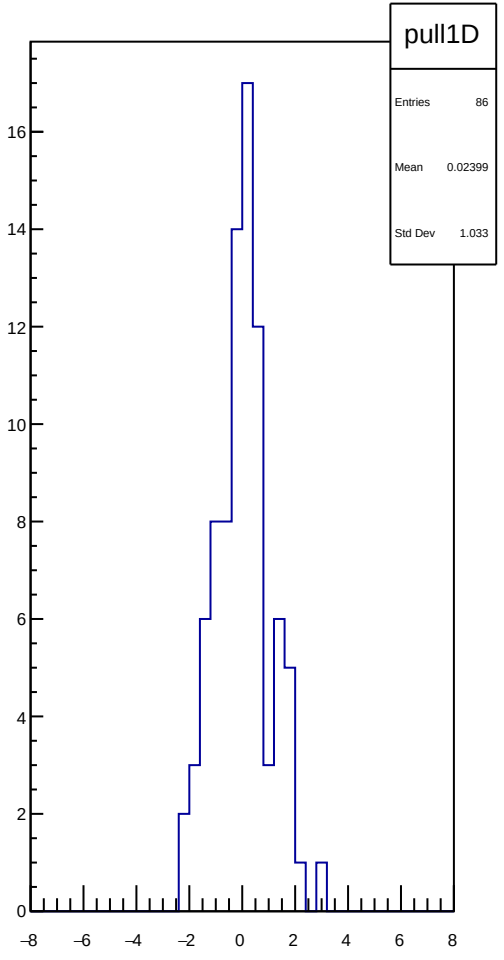

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 7943 / 85
p0 1.291e+04 ± 10.05
16000
15000
14000
13000
12000
11000


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 89.24 / 85
p0 3213 ± 2459
pull
Entries 86
Mean −245.9
Std Dev 0


pull1D
Entries 86
Mean −0.005492
Std Dev 1.019


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 129.5 / 85
p0 2238 ± 1.739
2300
2280
2260
2240
2220
2200
2180


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.85 / 85
p0 1459 ± 1.422e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 124.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.02399
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
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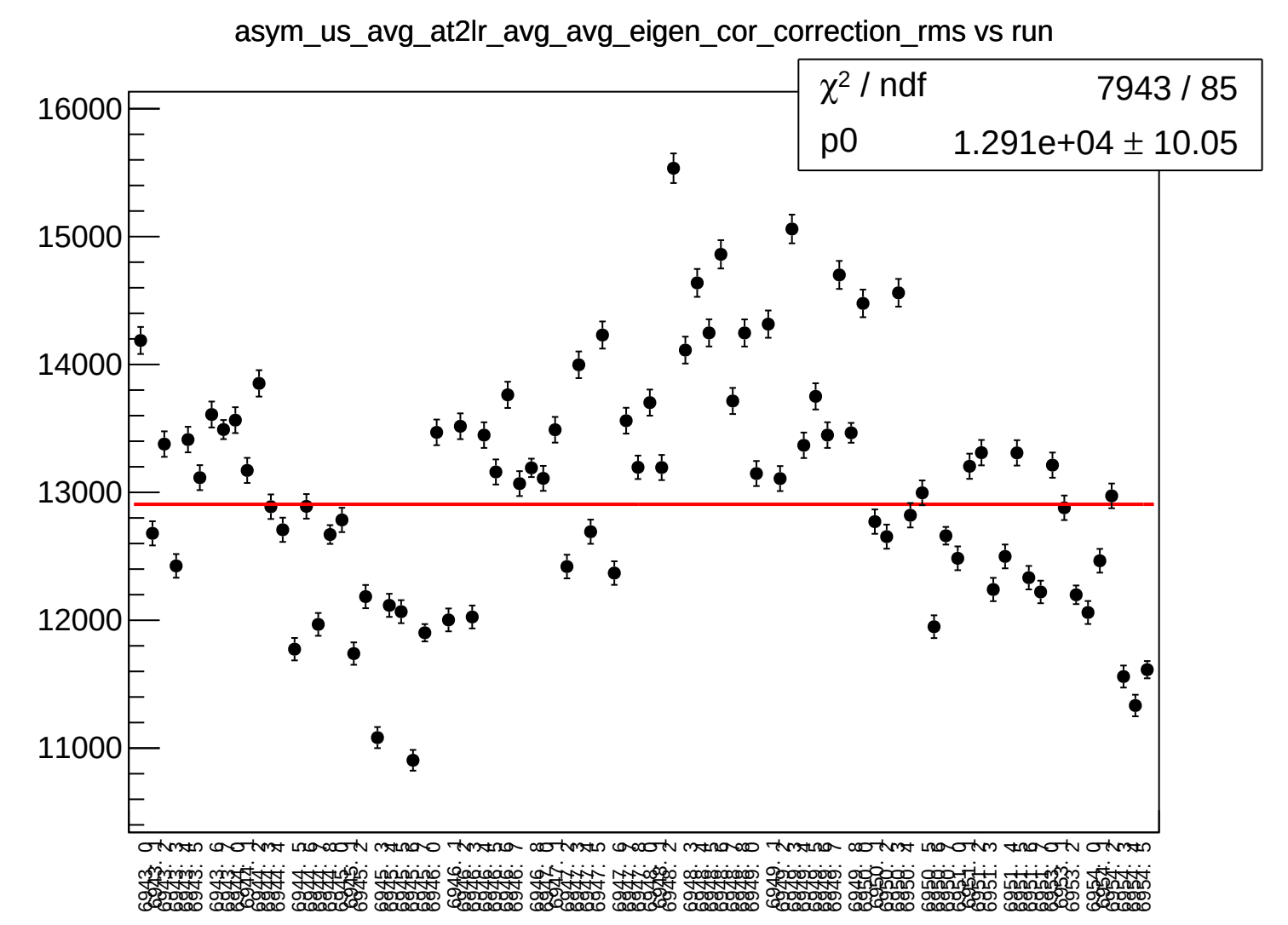
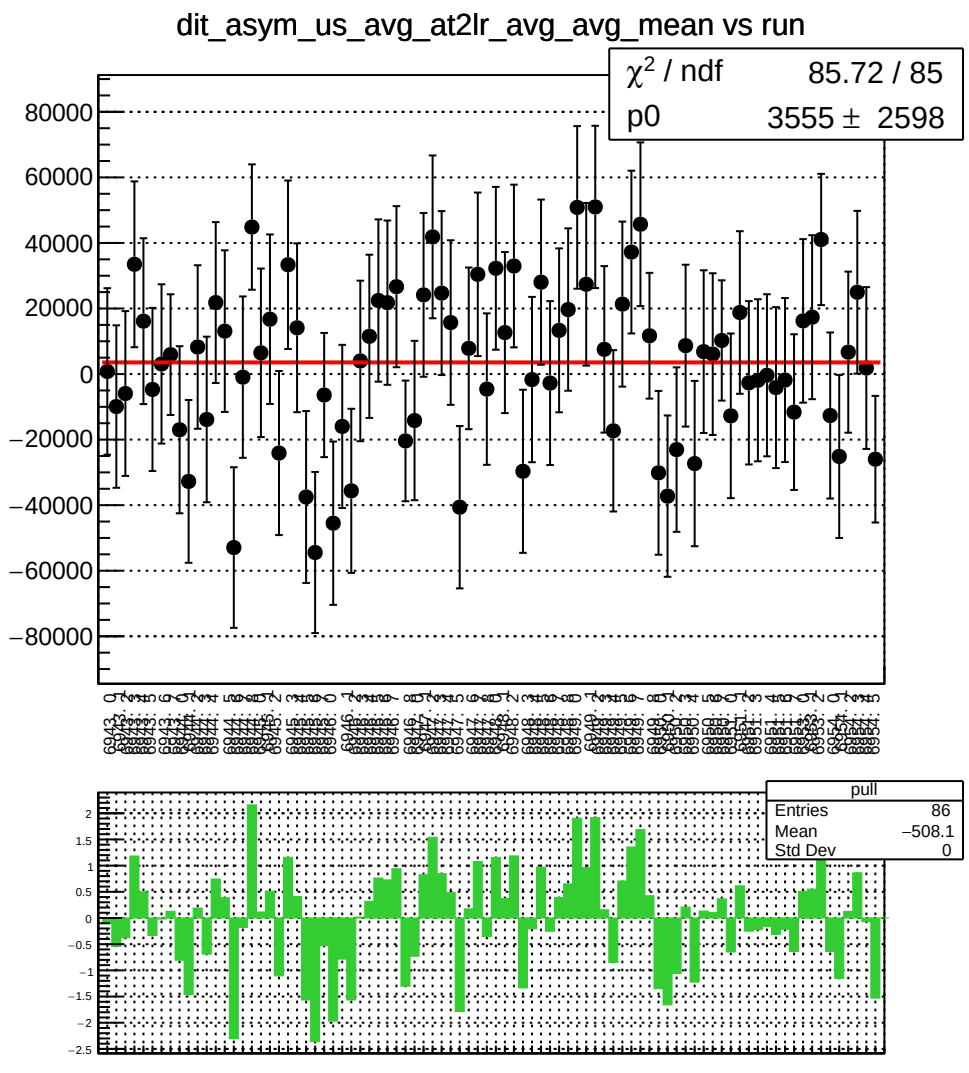
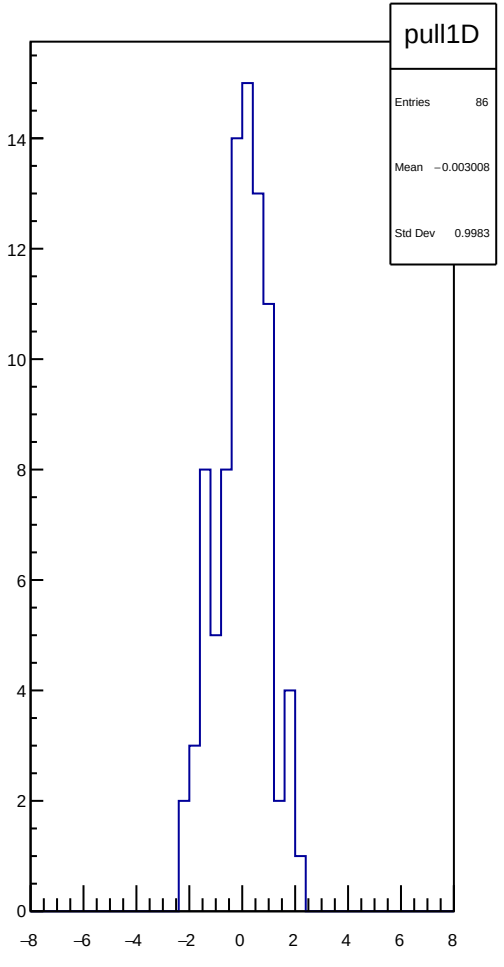
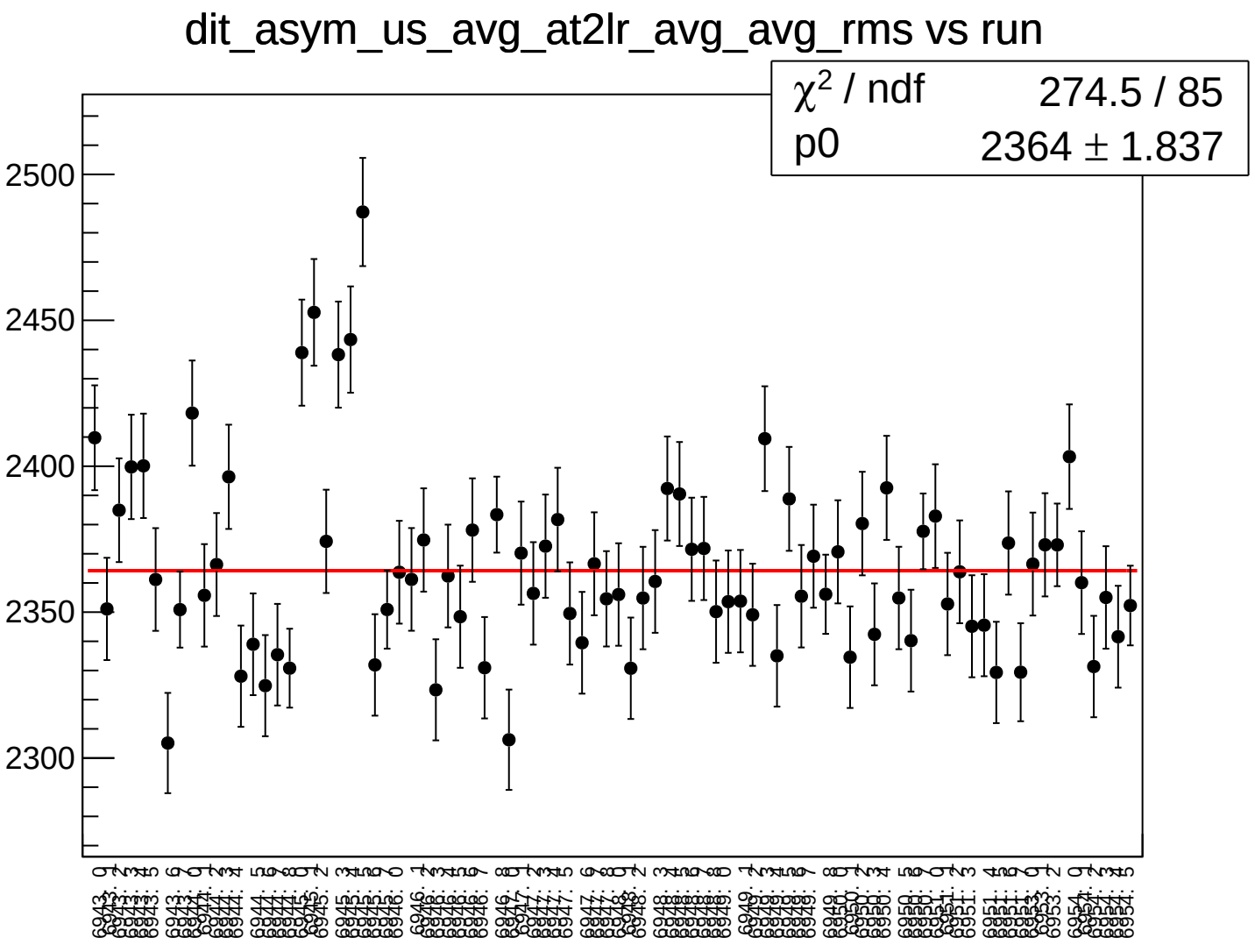
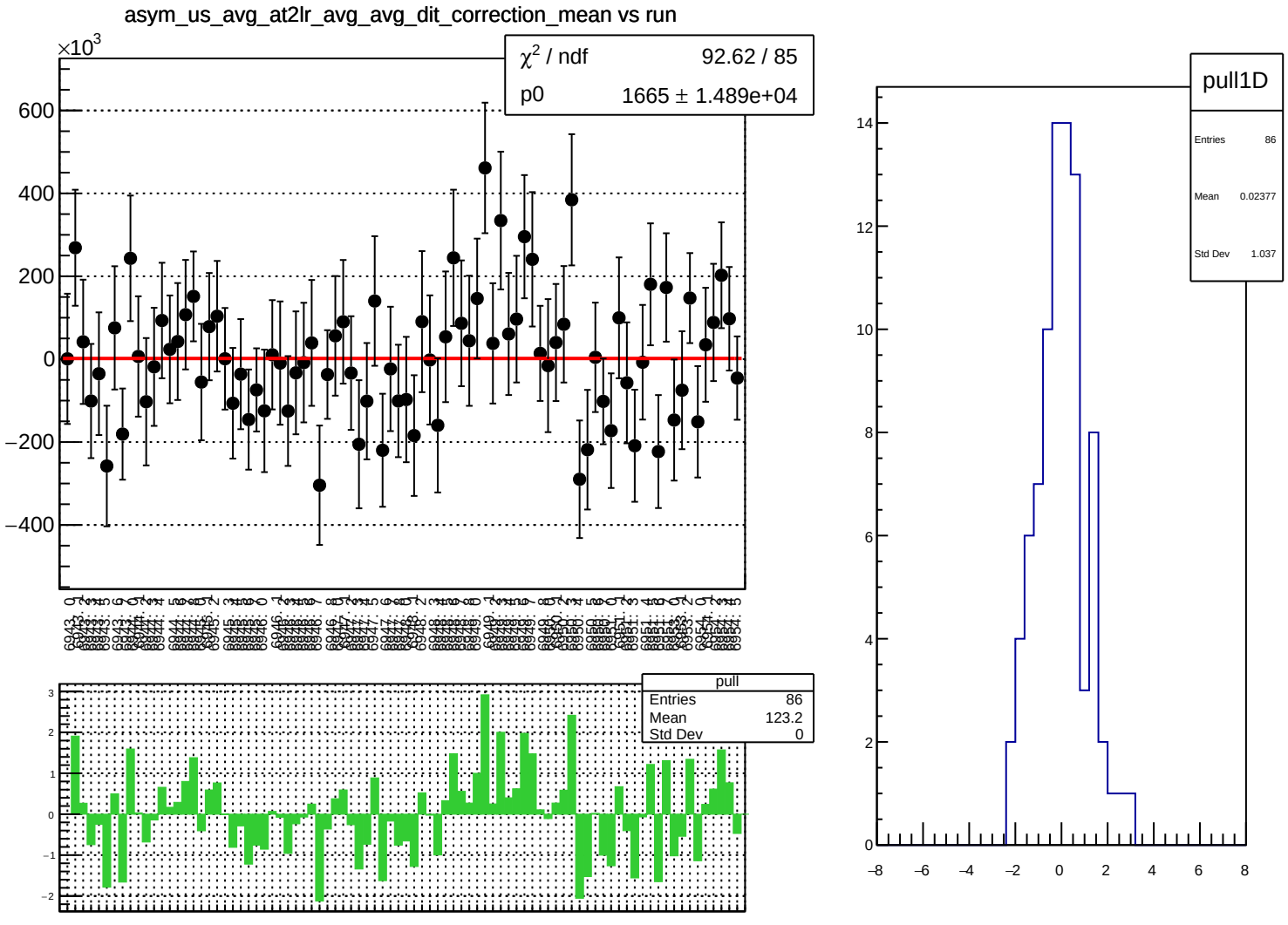
0
2
4
6
8

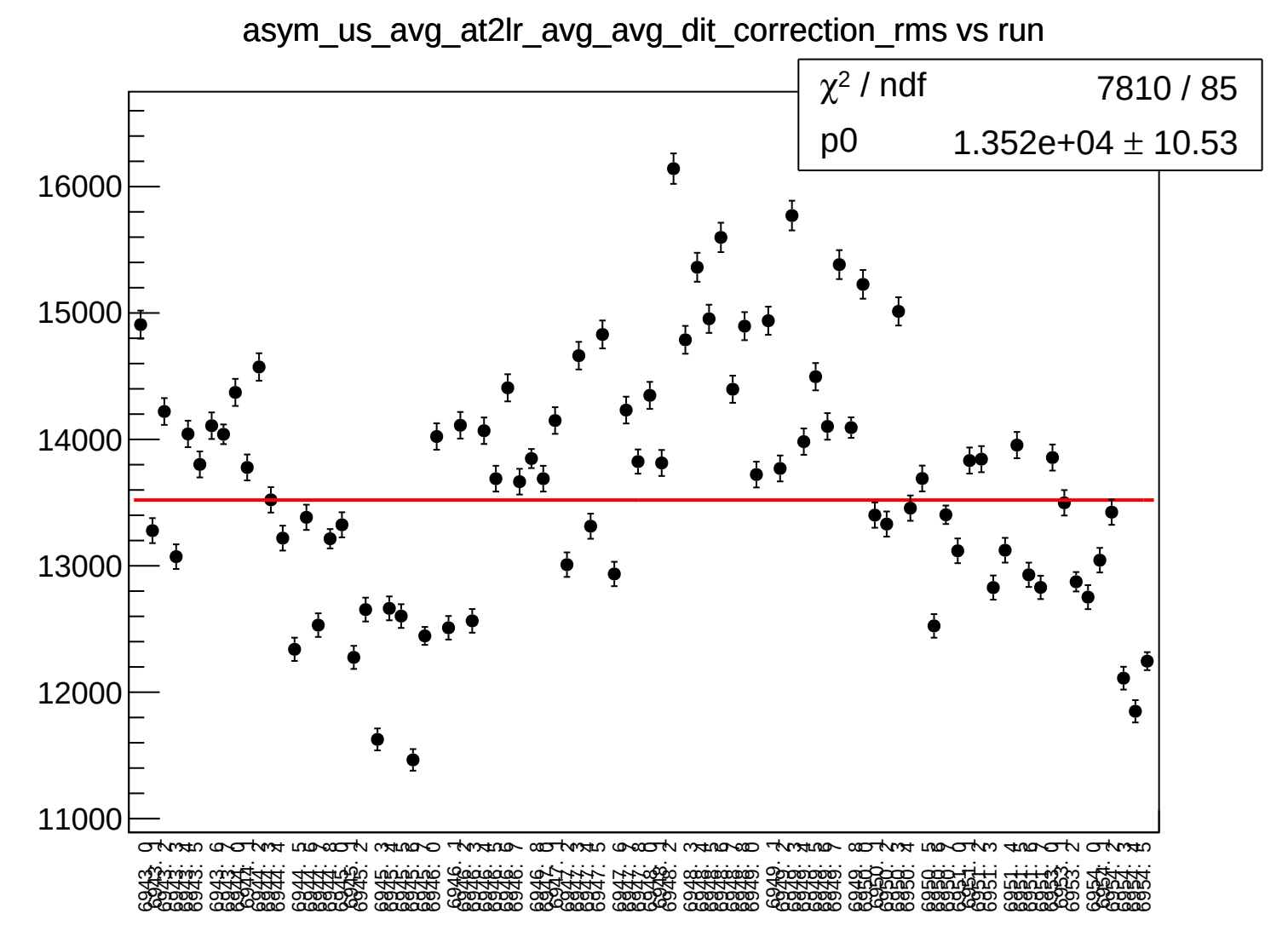

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 7943 / 85
p0 1.291e+04 ± 10.05
16000
15000
14000
13000
12000
11000

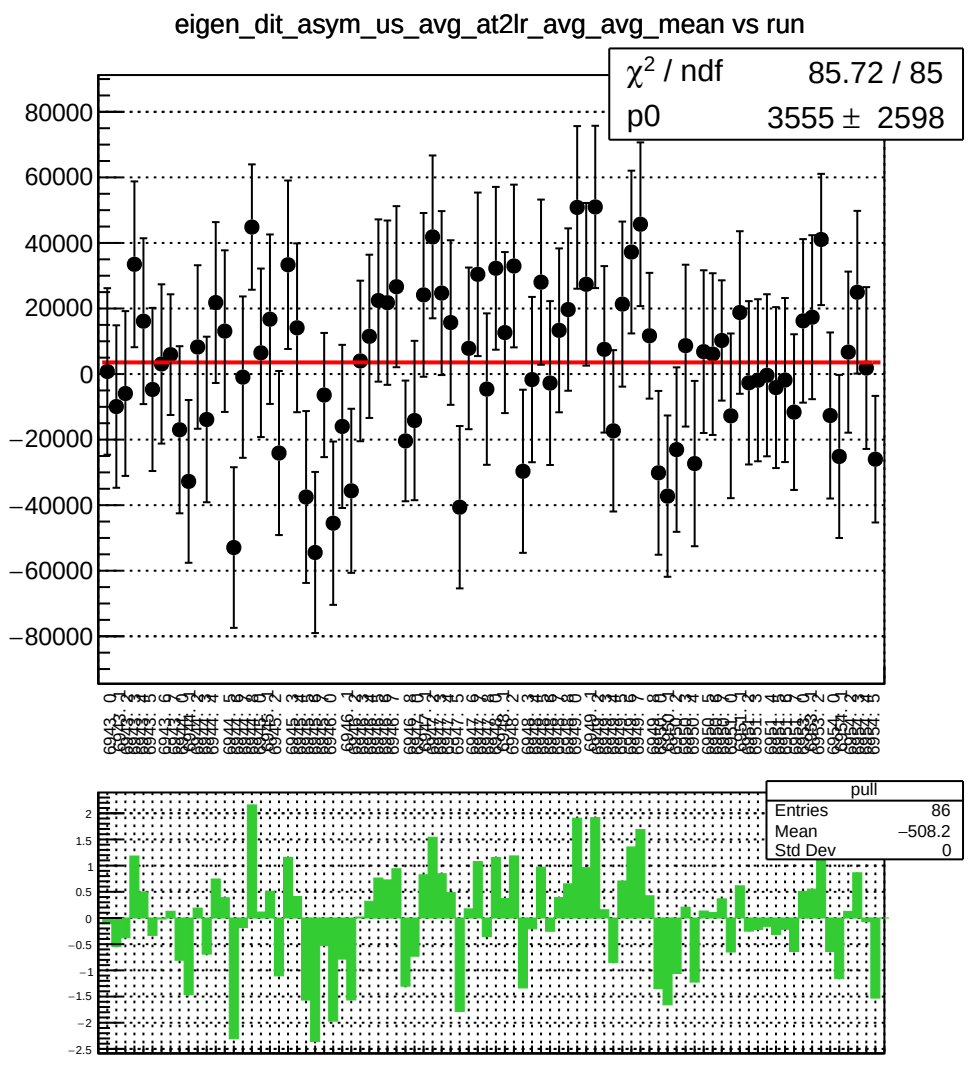

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 85.72 / 85
p0 3555 ± 2598
pull
Entries 86
Mean −508.1
Std Dev 0

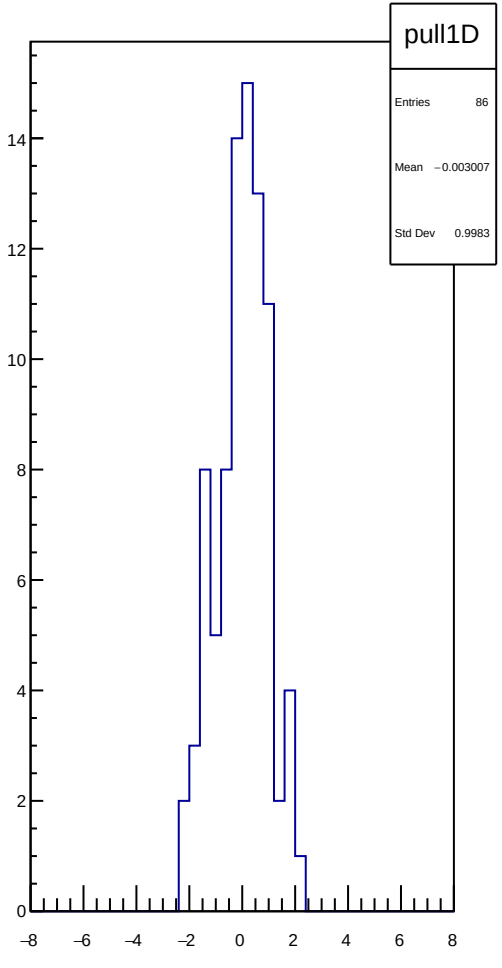

pull1D
Entries 86
Mean −0.003008
Std Dev 0.9983

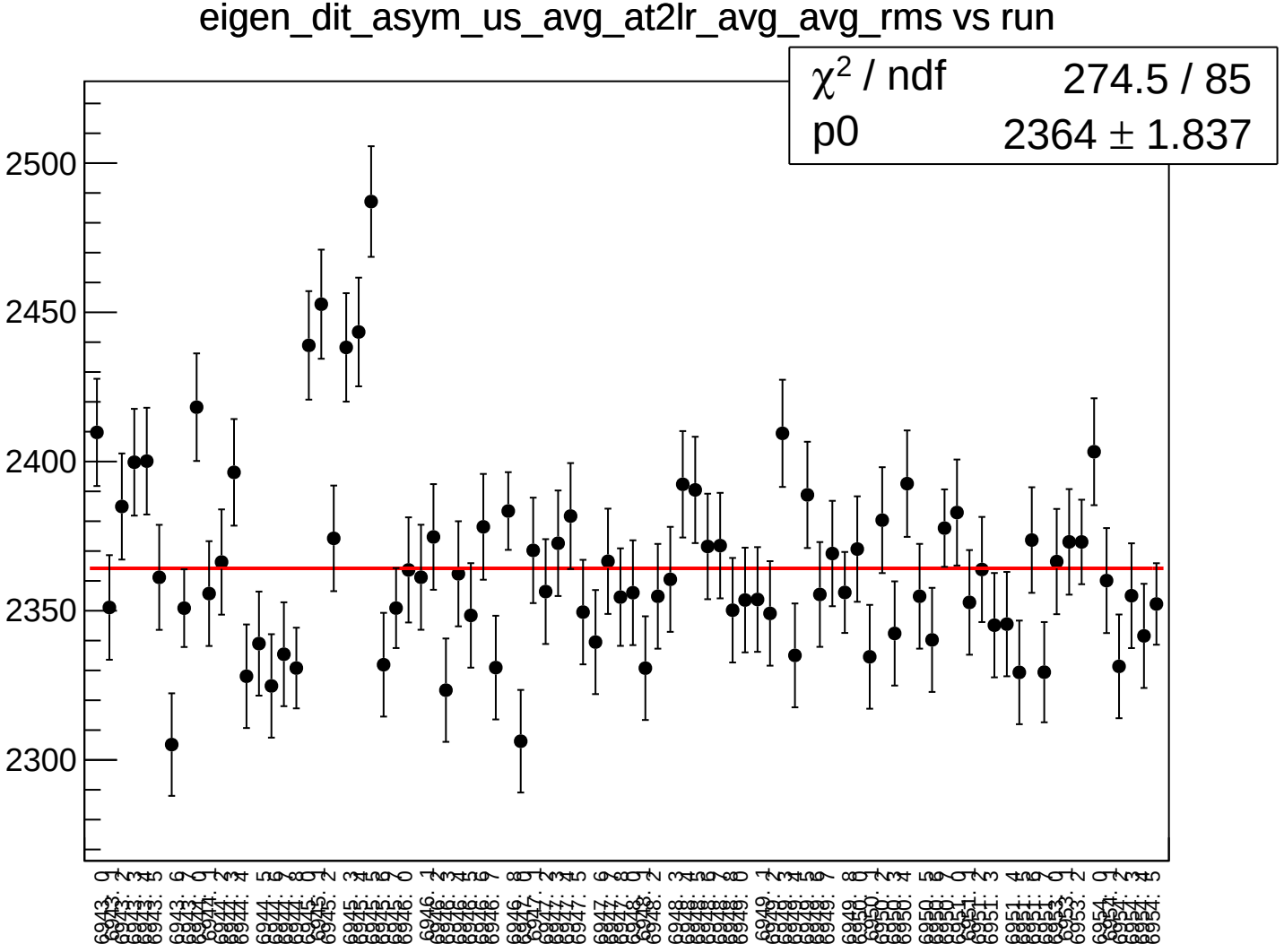

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 274.5 / 85
p0 2364 ± 1.837
2500
2450
2400
2350
2300

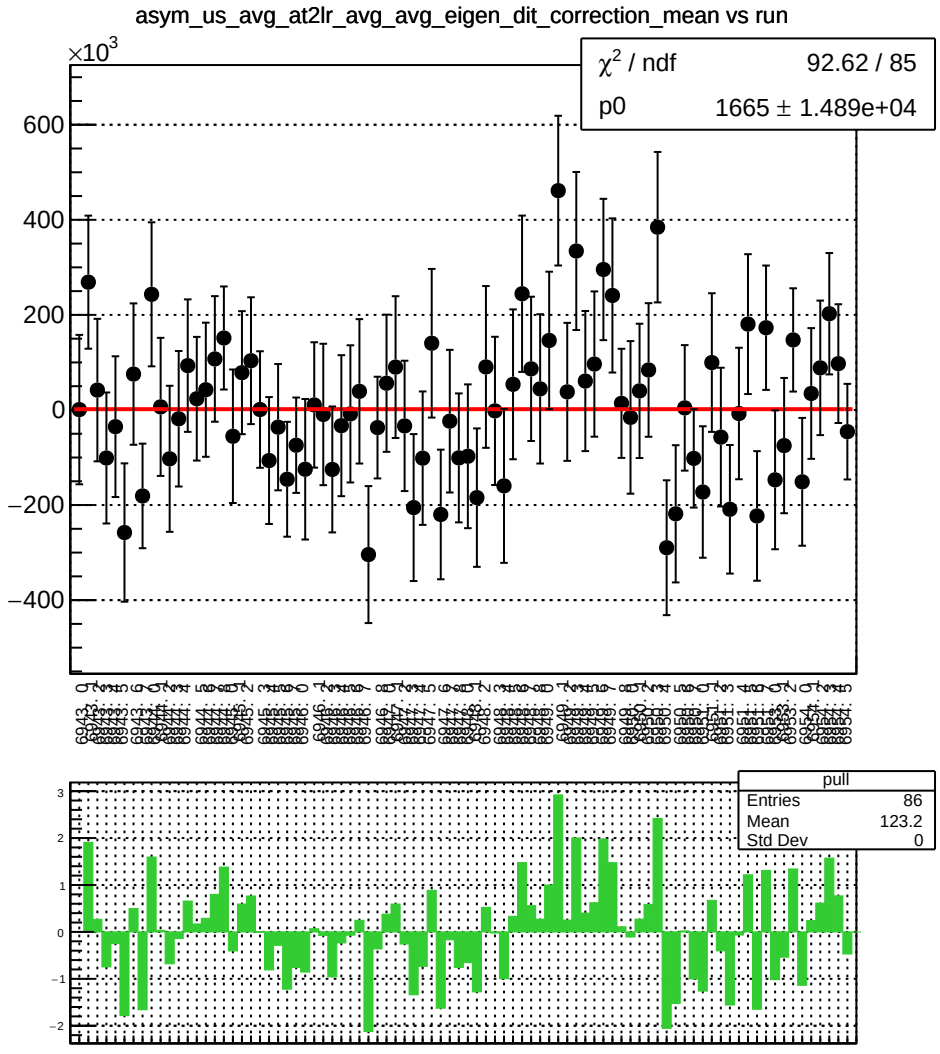

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 1665 ± 1.489e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 123.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02377
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

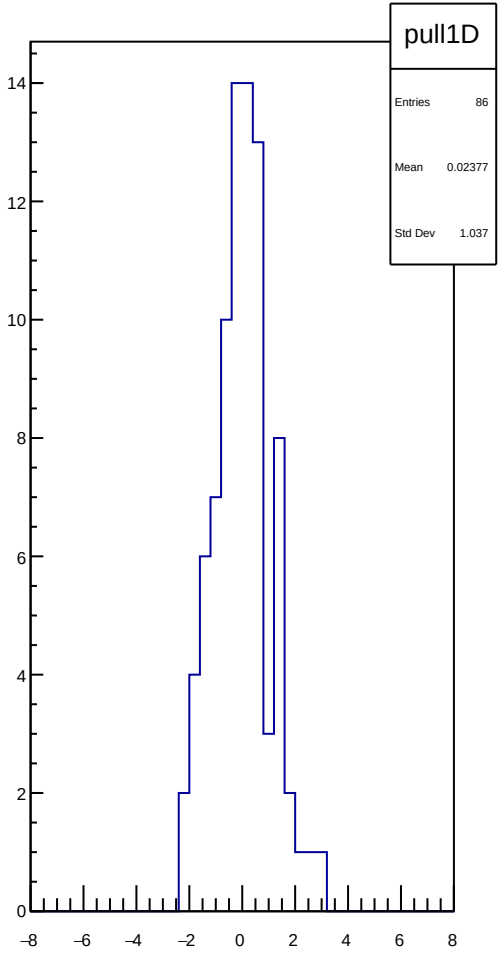

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 7810 / 85
p0 1.352e+04 ± 10.53
16000
15000
14000
13000
12000
11000

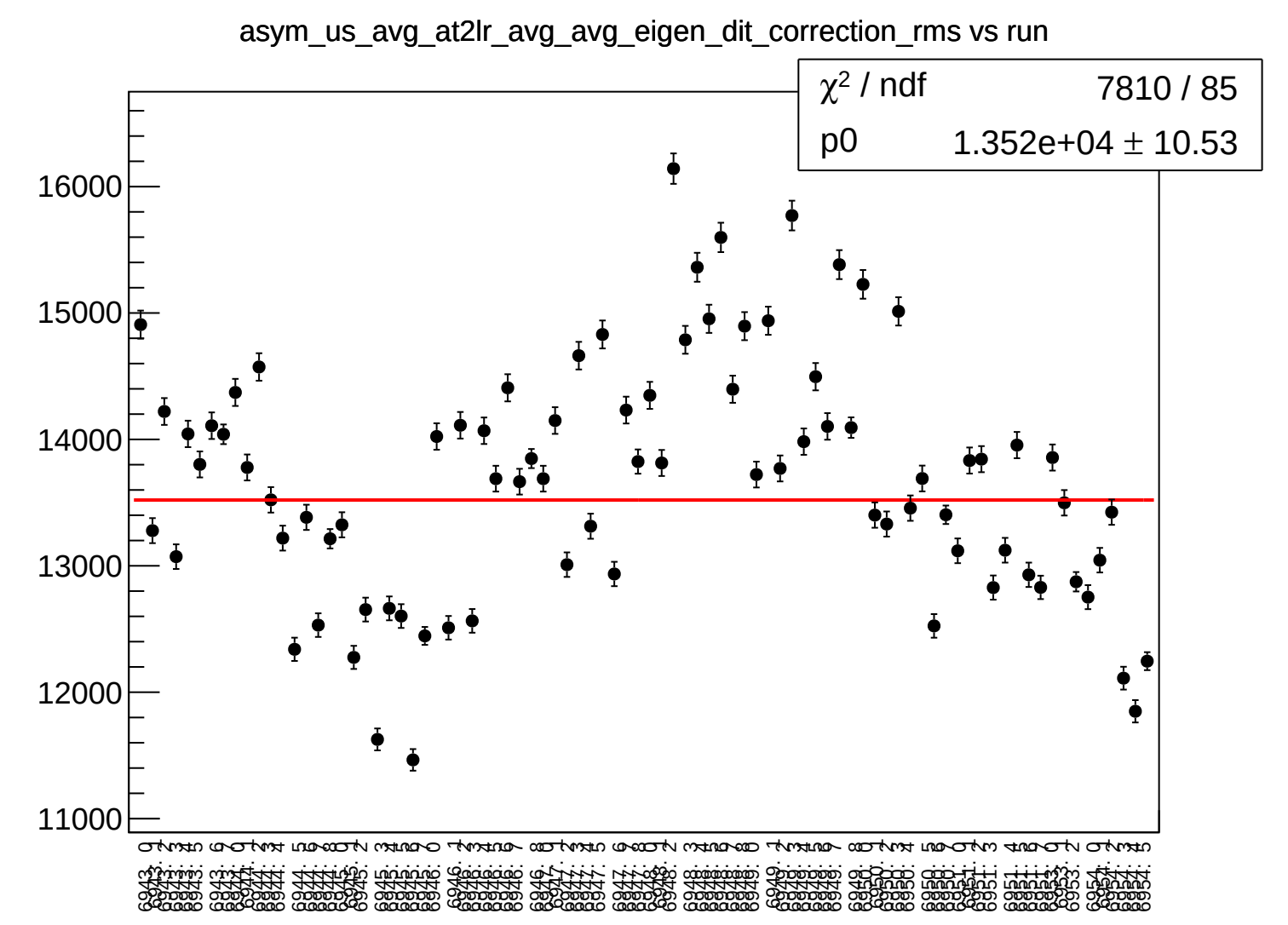

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 85.72 / 85
p0 3555 ± 2598
pull
Entries 86
Mean −508.2
Std Dev 0

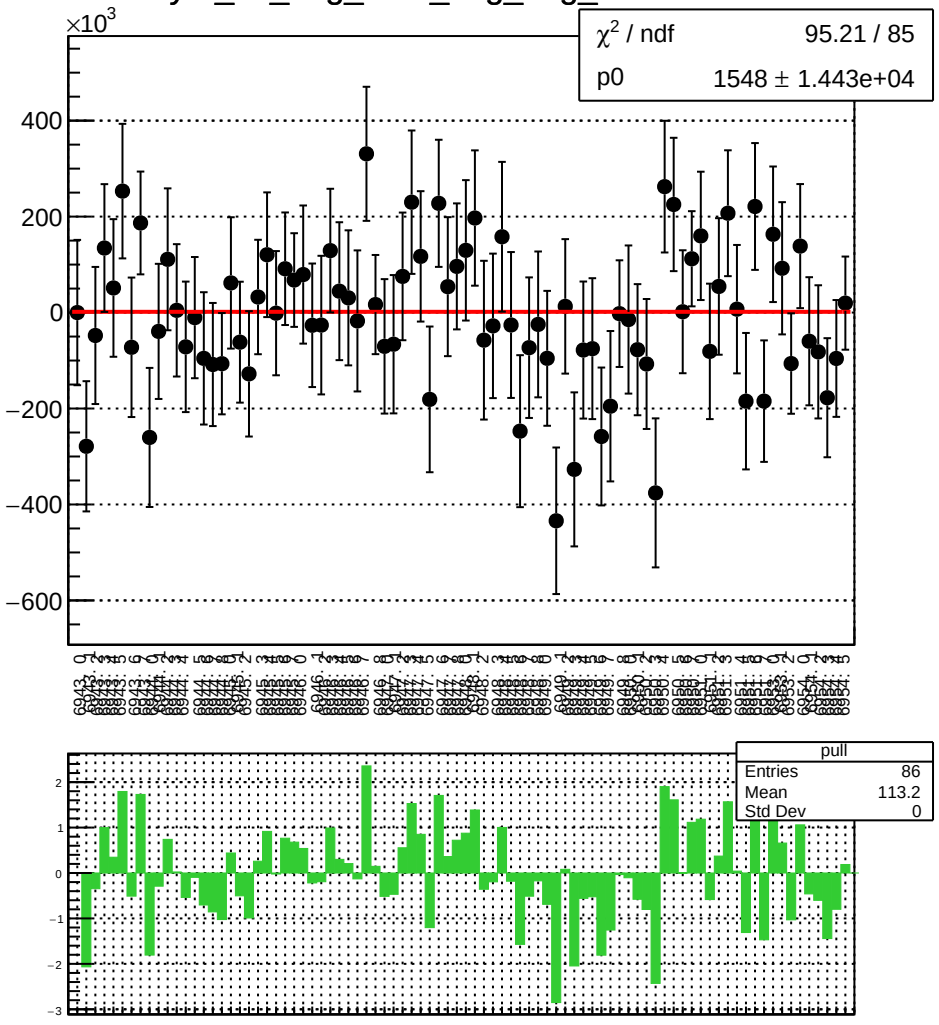

pull1D
Entries 86
Mean −0.003007
Std Dev 0.9983

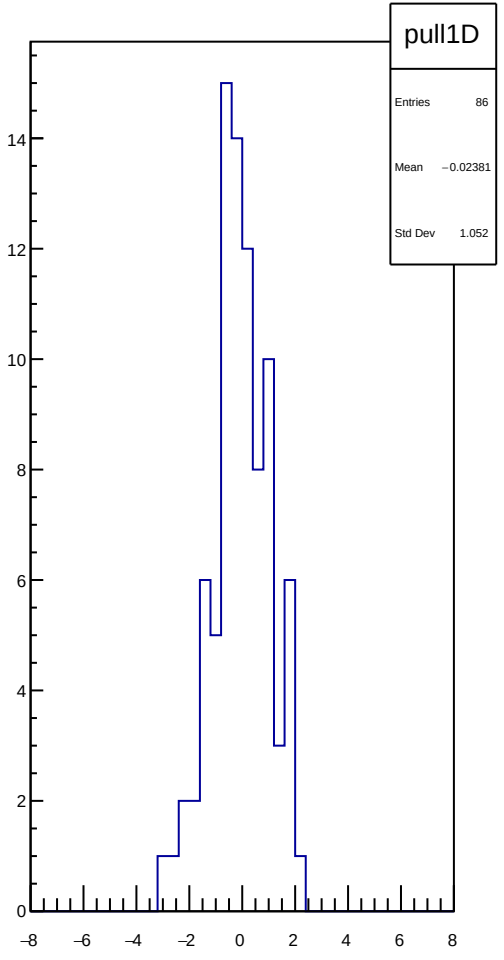

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 274.5 / 85
p0 2364 ± 1.837
2500
2450
2400
2350
2300

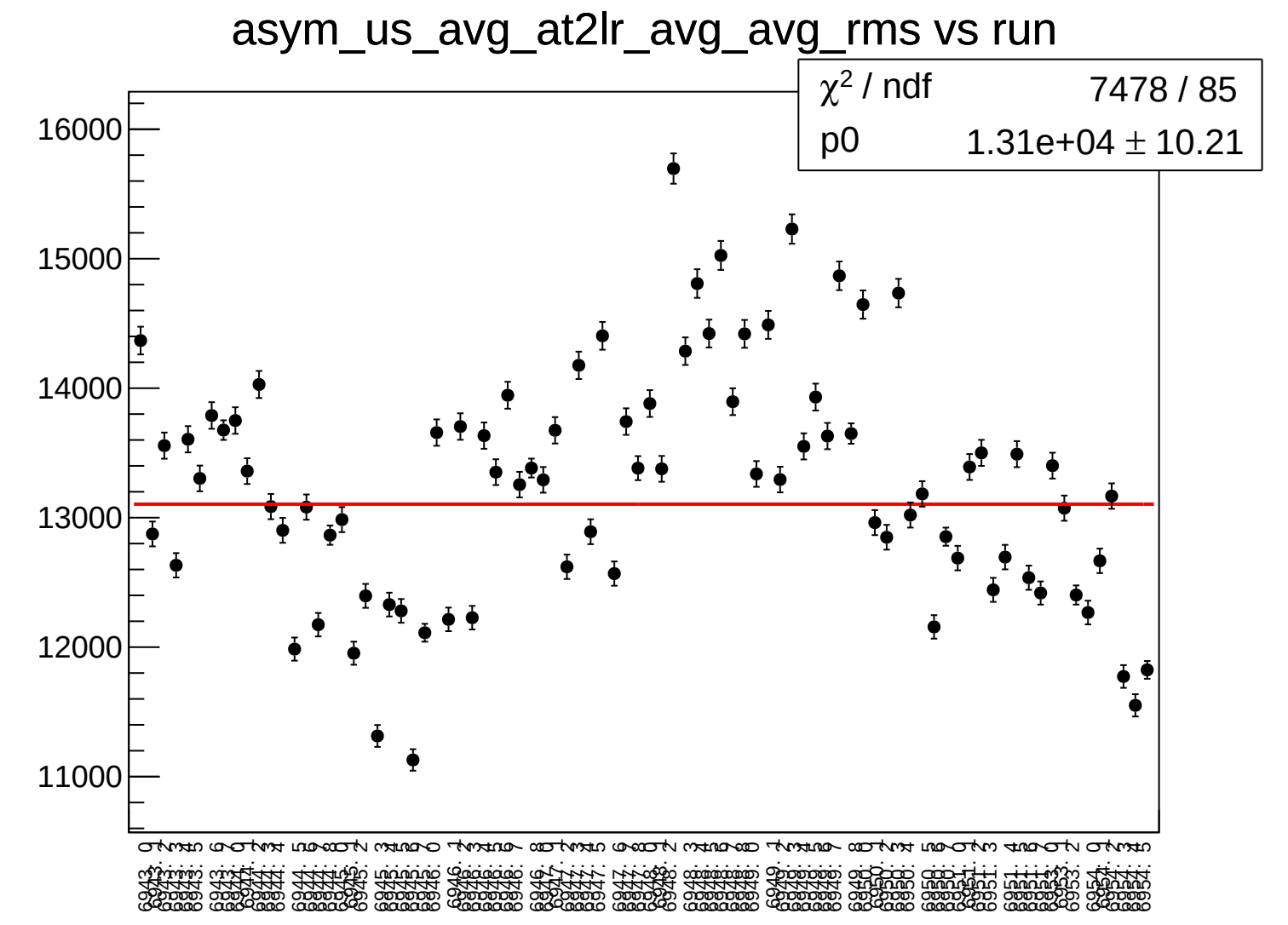

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.62 / 85
p0 1665 ± 1.489e+04
600
400
200
0
−200
−400
pull
Entries 86
Mean 123.2
Std Dev 0
3
2
1
0
−1
−2

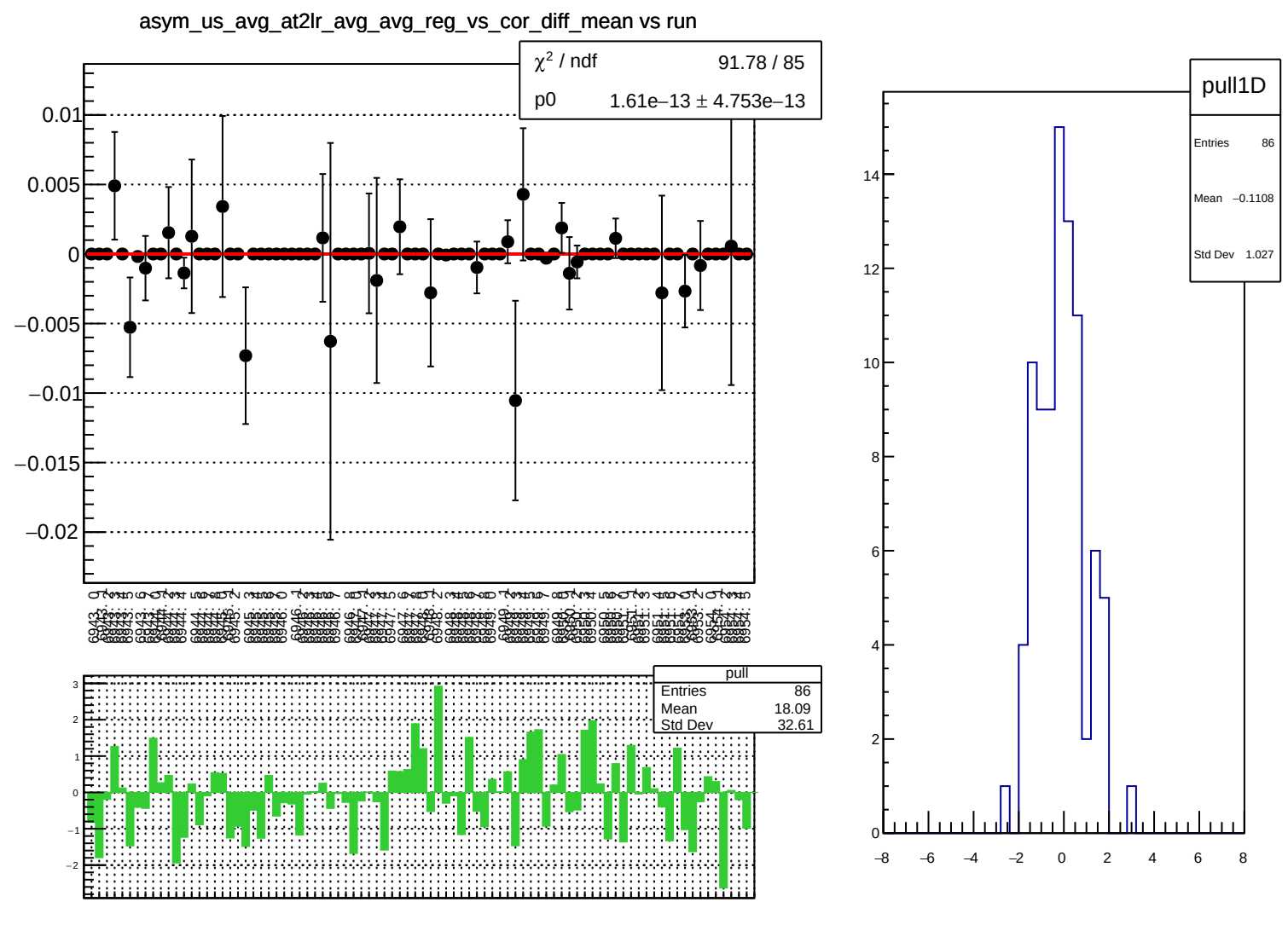

pull1D
Entries 86
Mean 0.02377
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

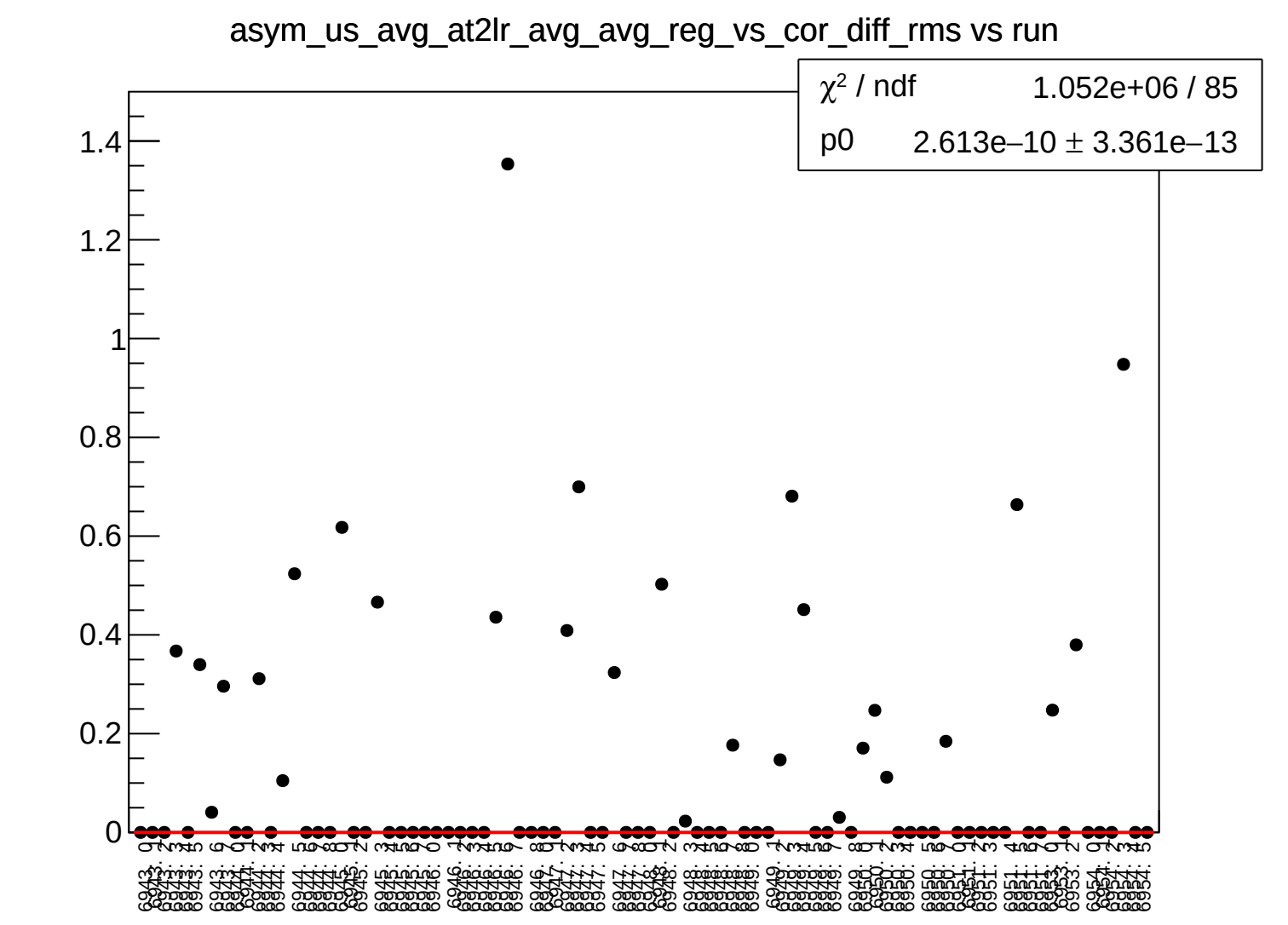

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7810 / 85
p0 1.352e+04 ± 10.53
16000
15000
14000
13000
12000
11000

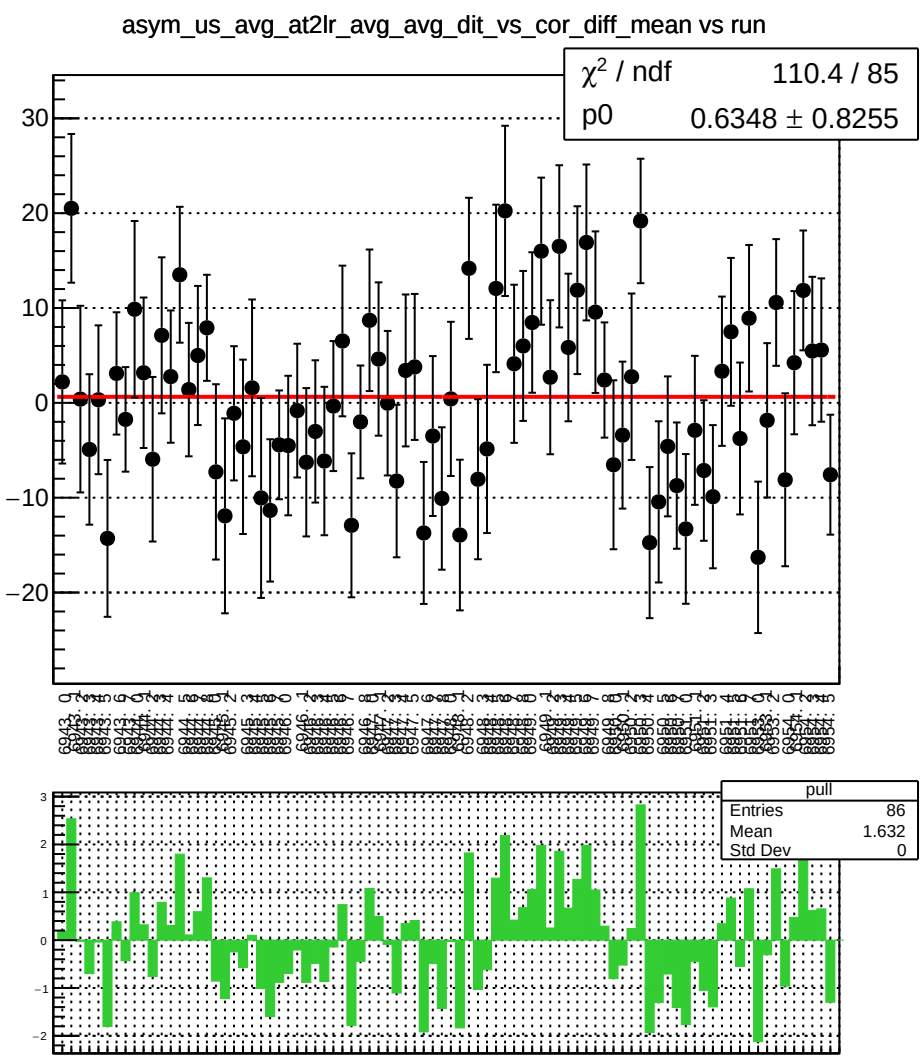

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 95.21 / 85
p0 1548 ± 1.443e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean 113.2
Std Dev 0
2
1
0
−1
−2
−3

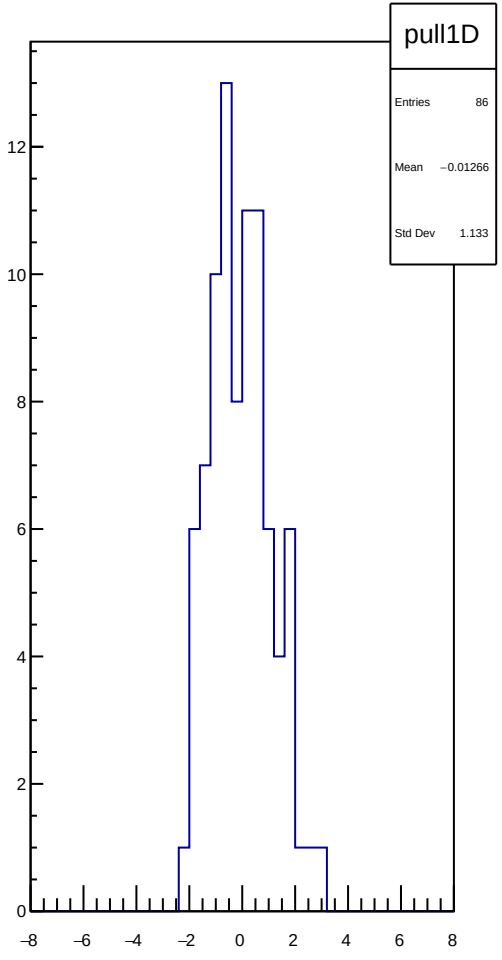

pull1D
Entries 86
Mean −0.02381
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

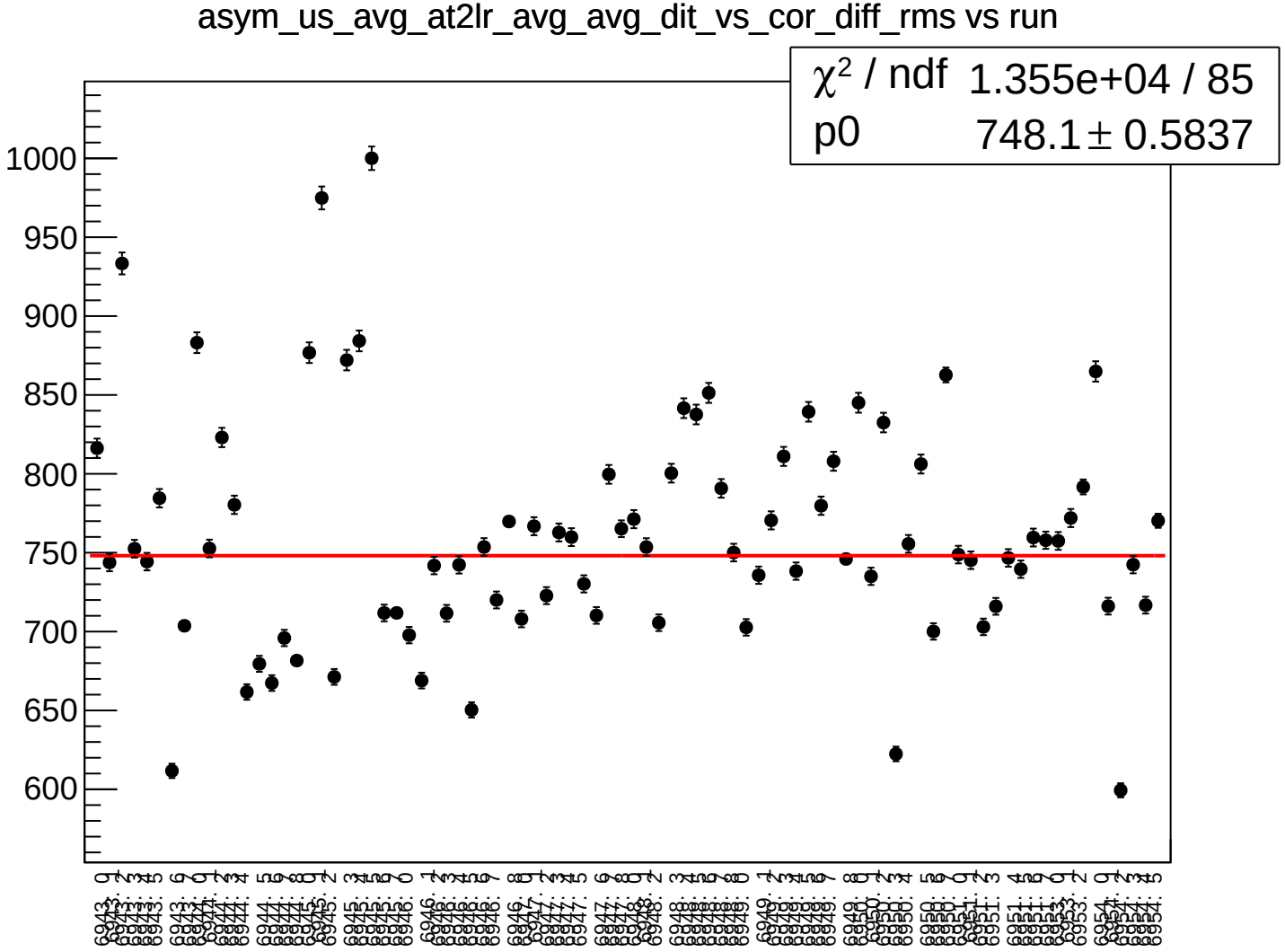

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7478 / 85
p0 1.31e+04 ± 10.21
16000
15000
14000
13000
12000
11000

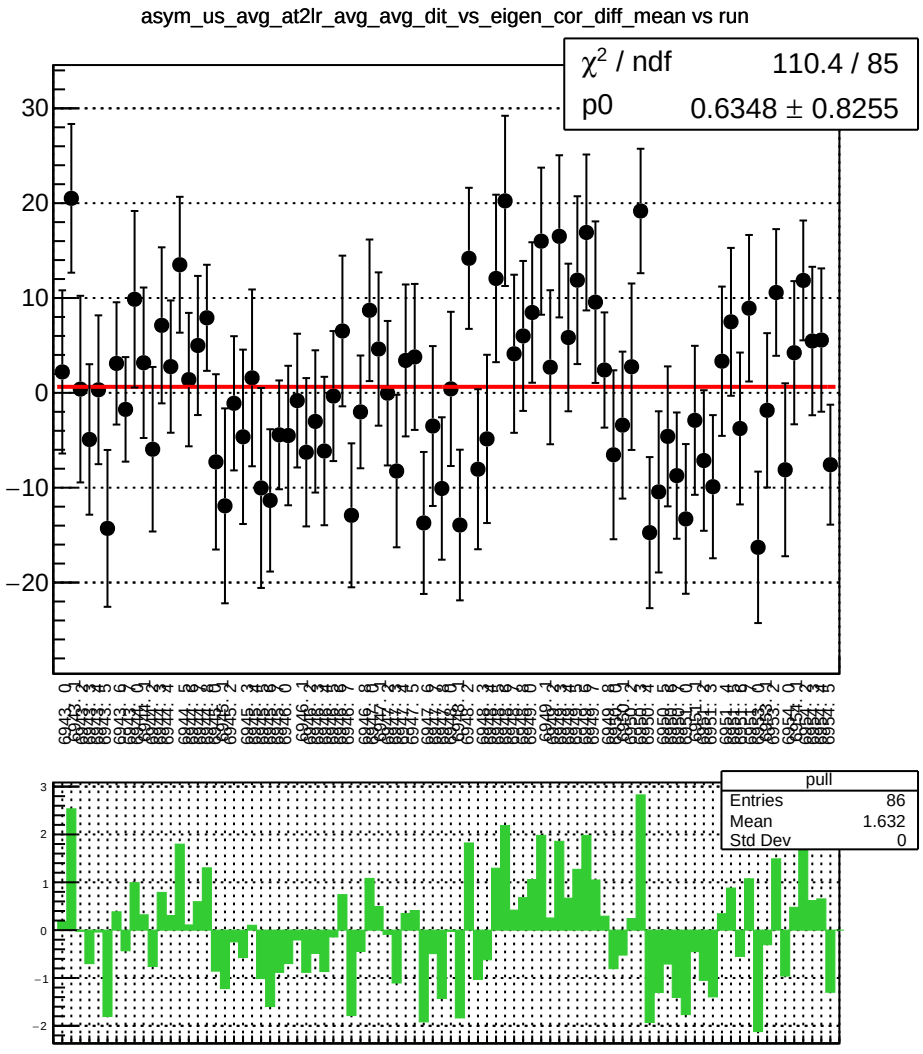

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.78 / 85
p0 1.61e−13 ± 4.753e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 86
Mean 18.09
Std Dev 32.61
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.1108
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

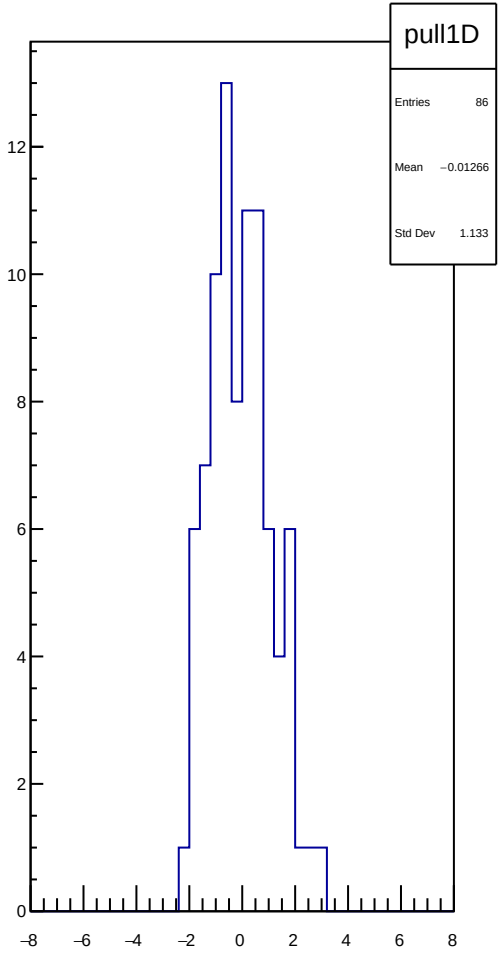

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.052e+06 / 85
p0 2.613e−10 ± 3.361e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

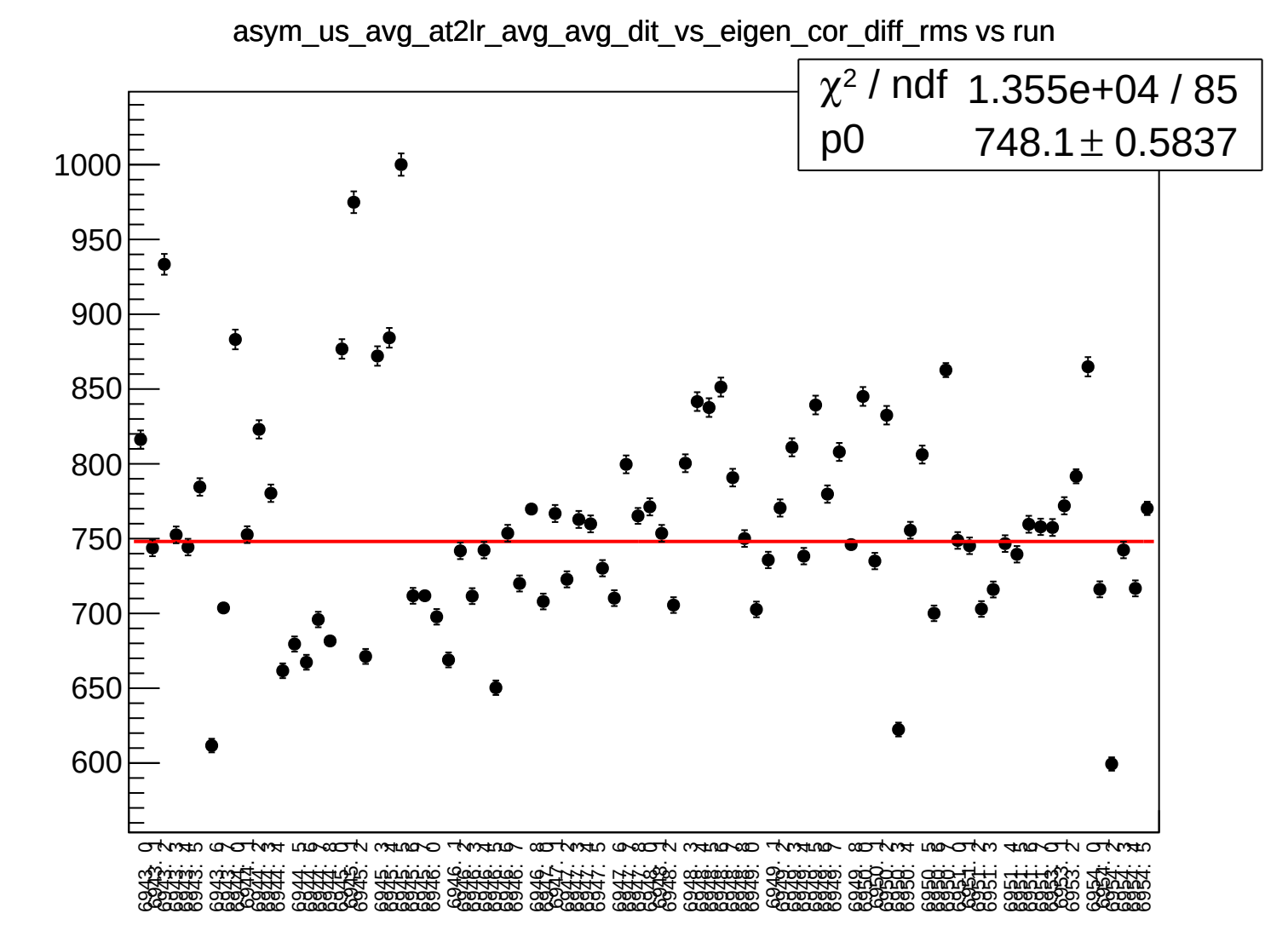

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.6348 ± 0.8255
pull
Entries 86
Mean 1.632
Std Dev 0

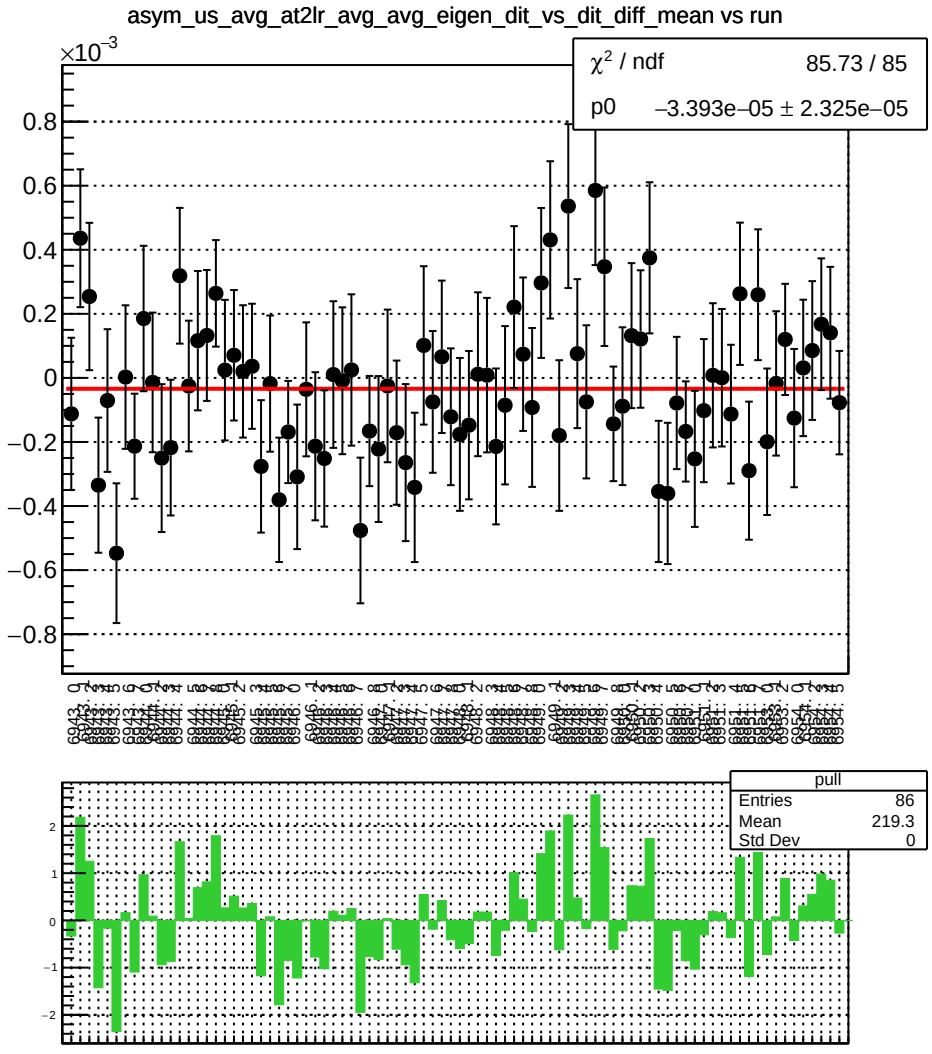

pull1D
Entries 86
Mean −0.01266
Std Dev 1.133

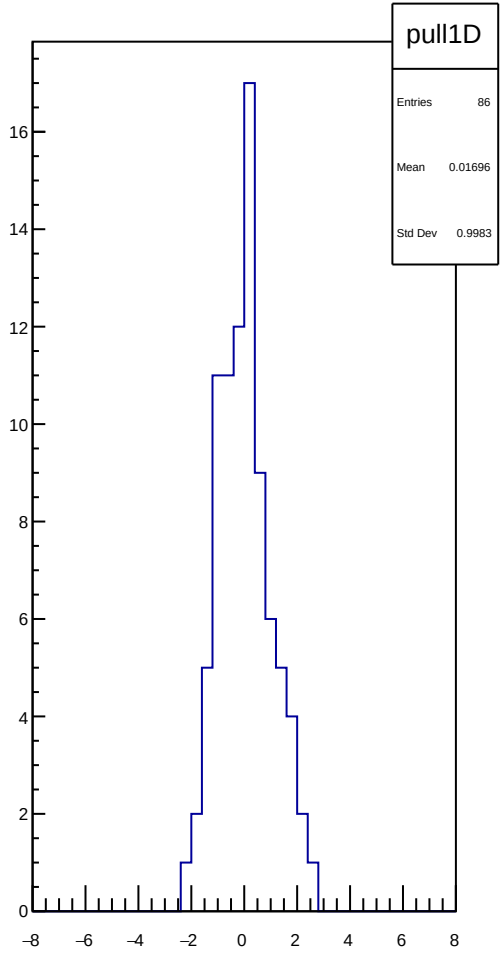

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.355e+04 / 85
p0 748.1 ± 0.5837
1000
950
900
850
800
750
700
650
600

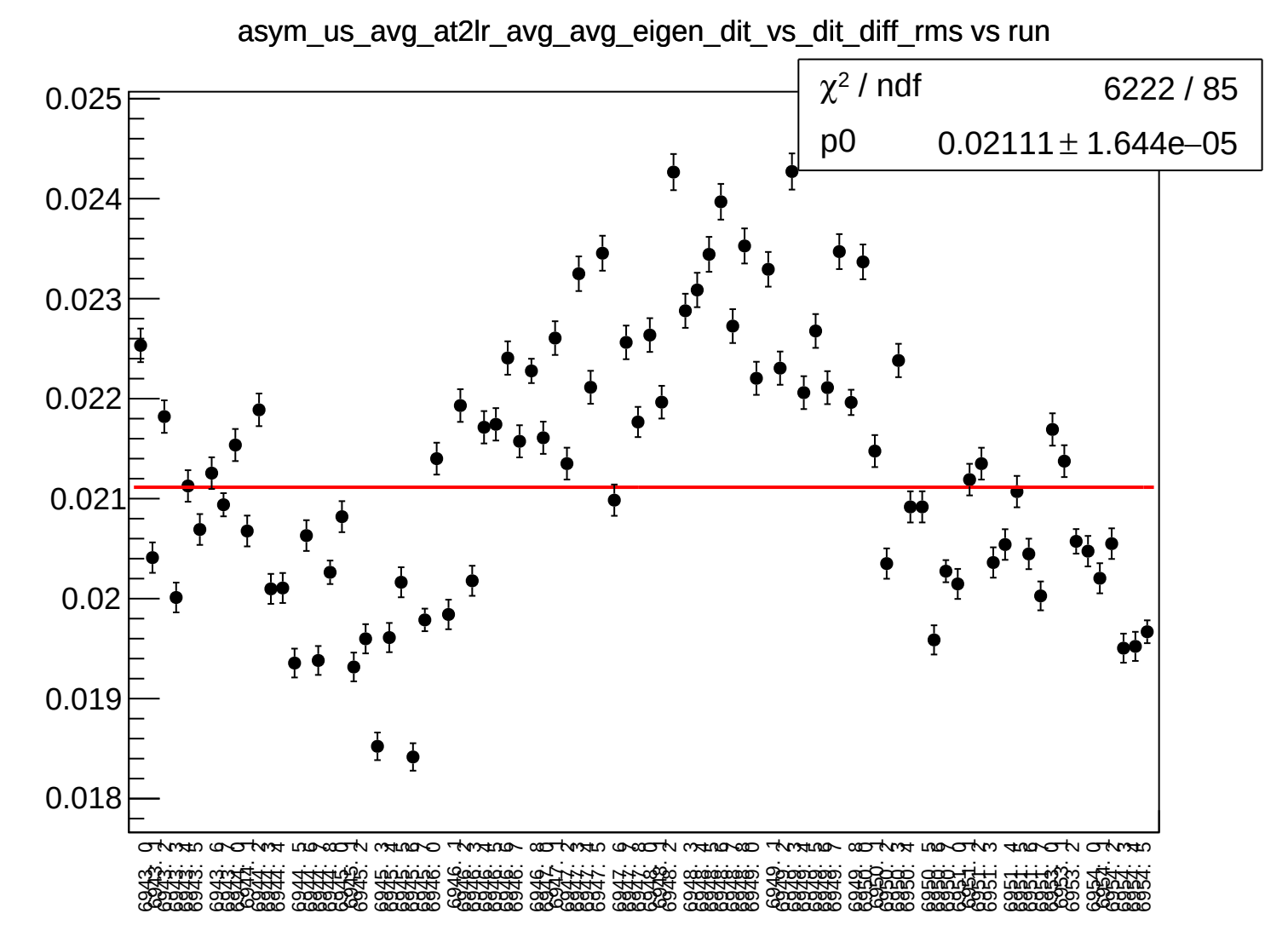

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.6348 ± 0.8255
pull
Entries 86
Mean 1.632
Std Dev 0

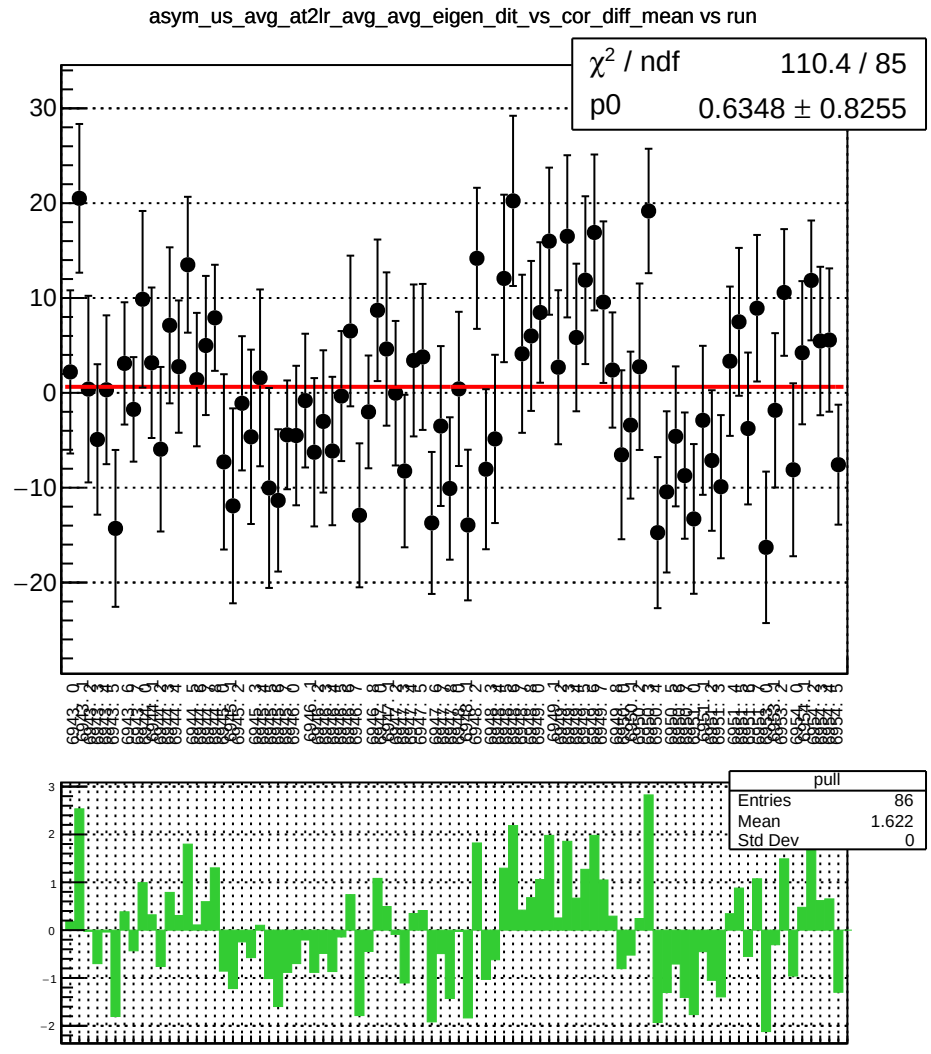

pull1D
Entries 86
Mean −0.01266
Std Dev 1.133

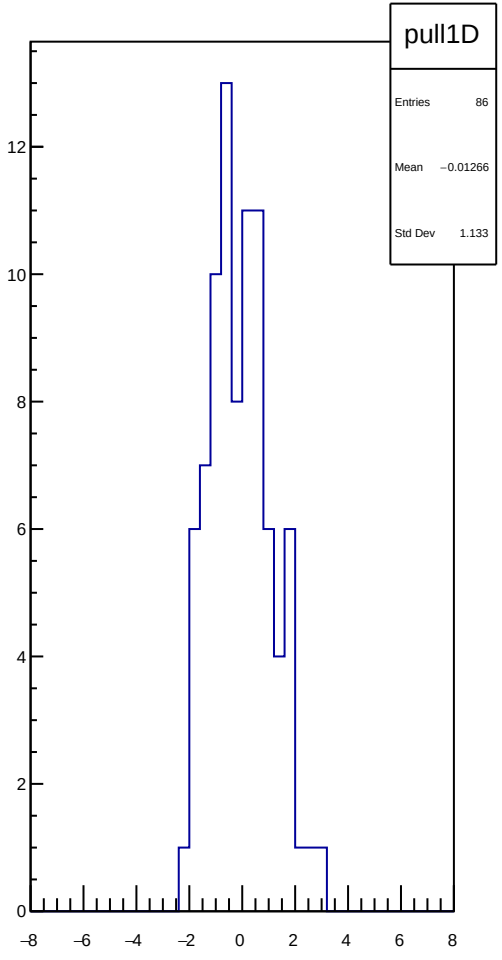

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.355e+04 / 85
p0 748.1 ± 0.5837
1000
950
900
850
800
750
700
650
600

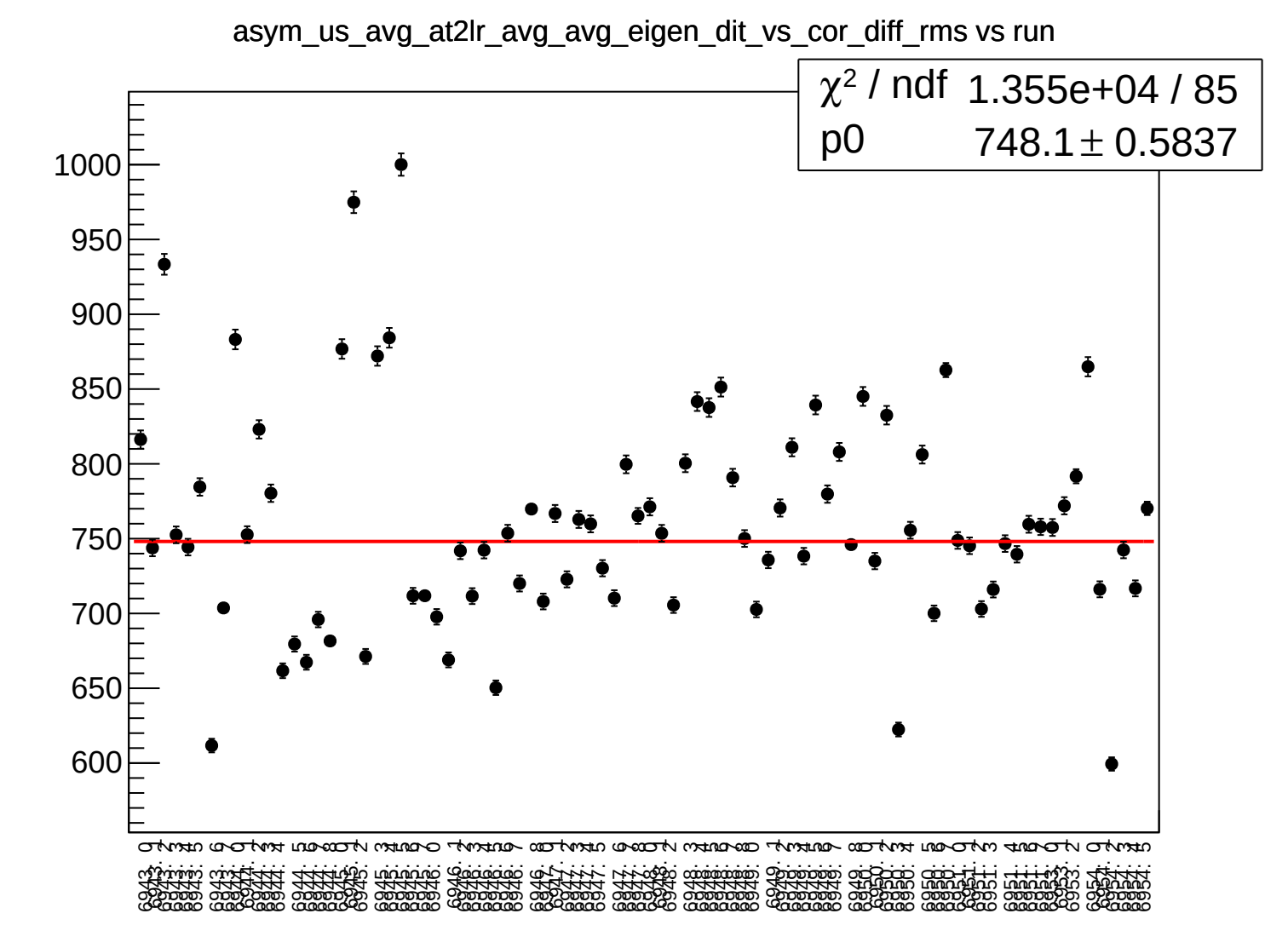

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.73 / 85
p0 −3.393e−05 ± 2.325e−05
pull
Entries 86
Mean 219.3
Std Dev 0

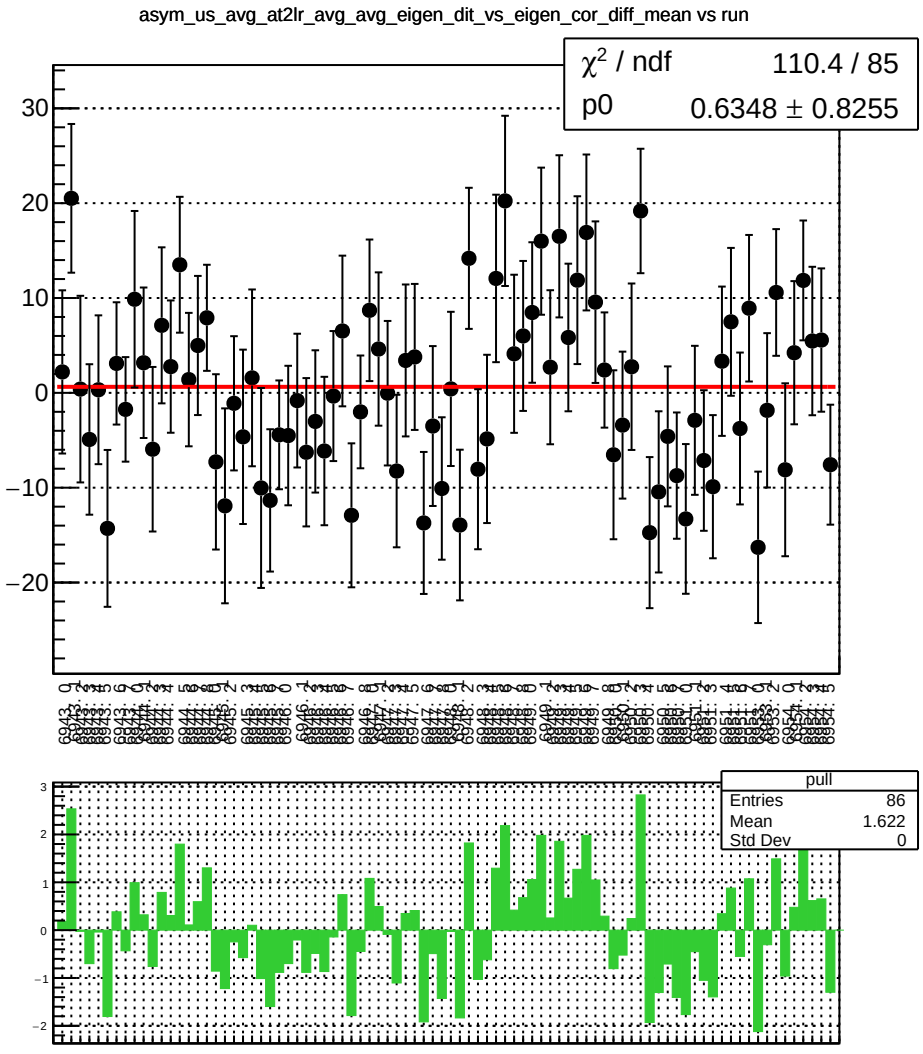

pull1D
Entries 86
Mean 0.01696
Std Dev 0.9983

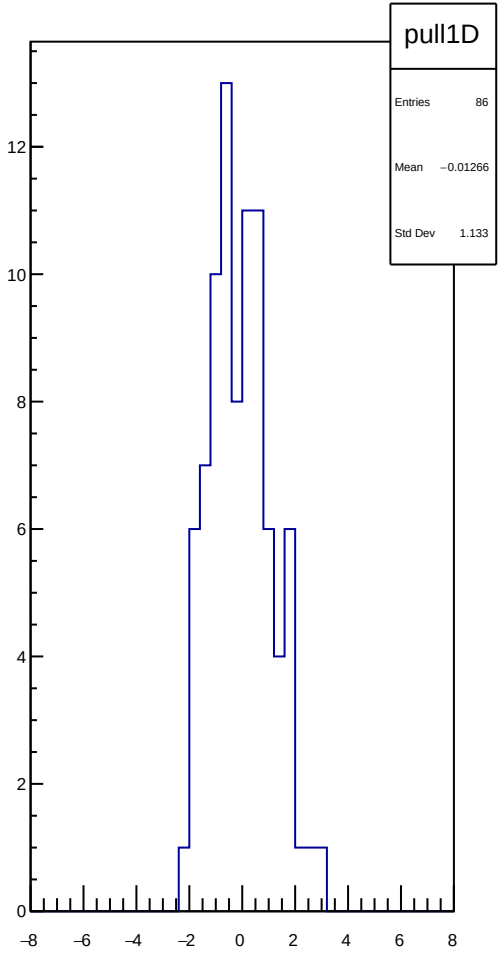

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6222 / 85
p0 0.02111 ± 1.644e−05
0.025
0.024
0.023
0.022
0.021
0.02
0.019
0.018

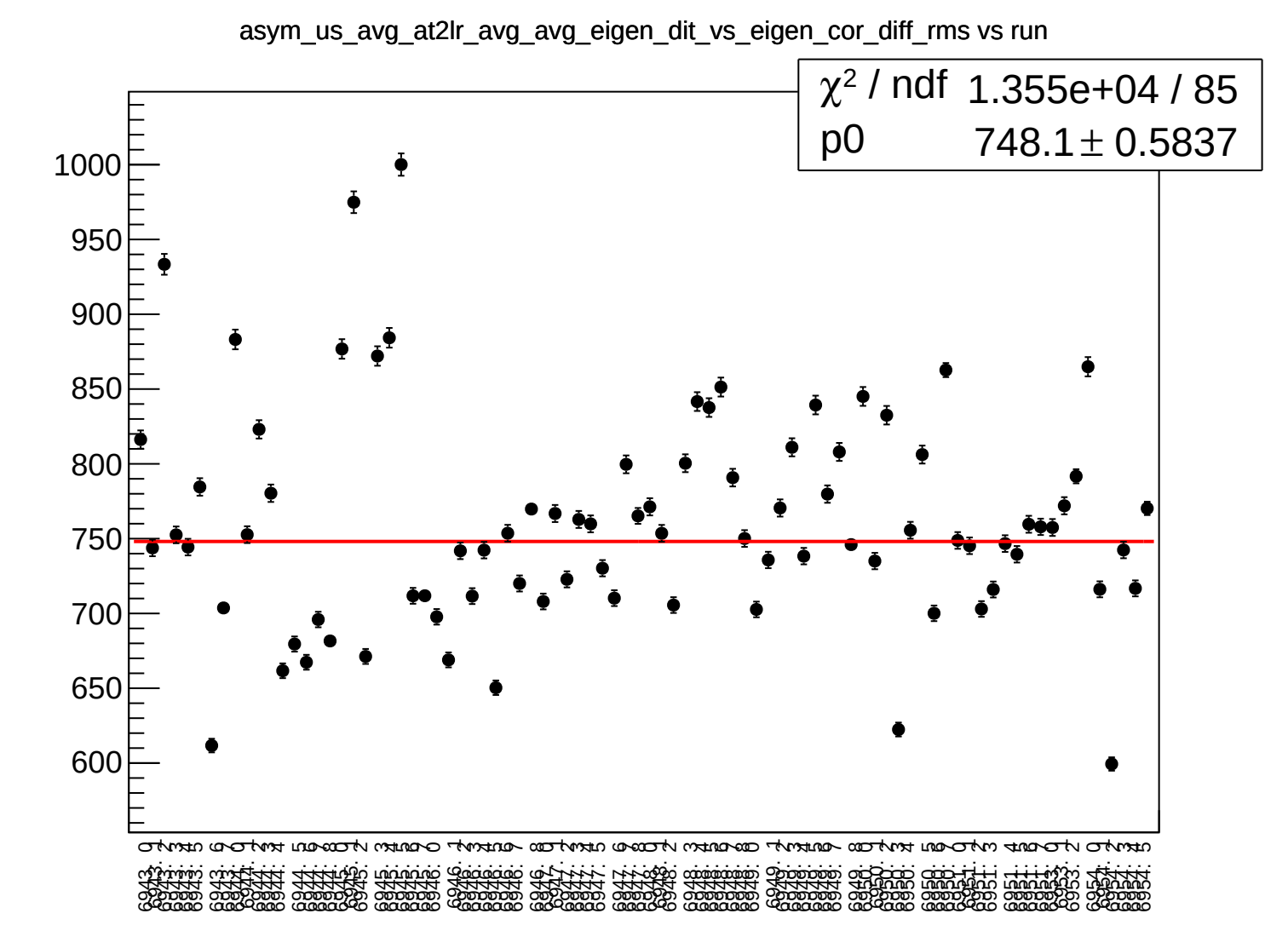

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.6348 ± 0.8255
pull
Entries 86
Mean 1.622
Std Dev 0

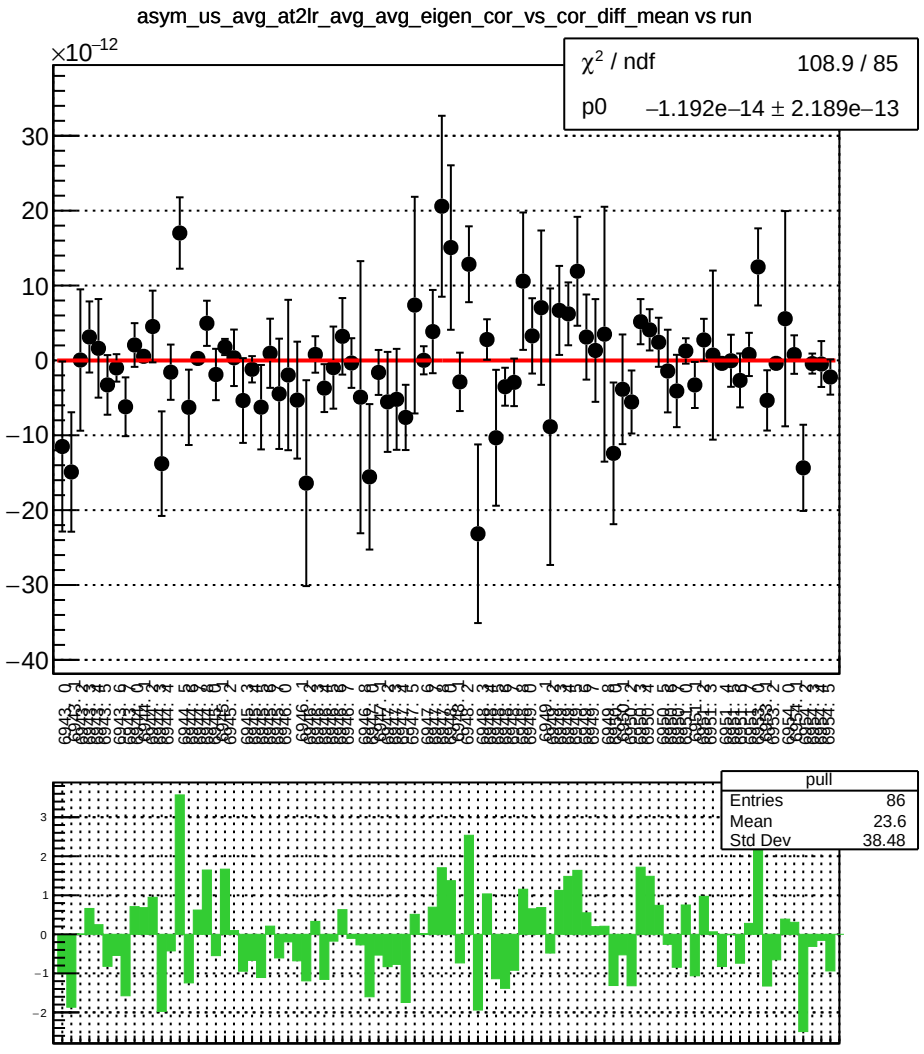

pull1D
Entries 86
Mean −0.01266
Std Dev 1.133

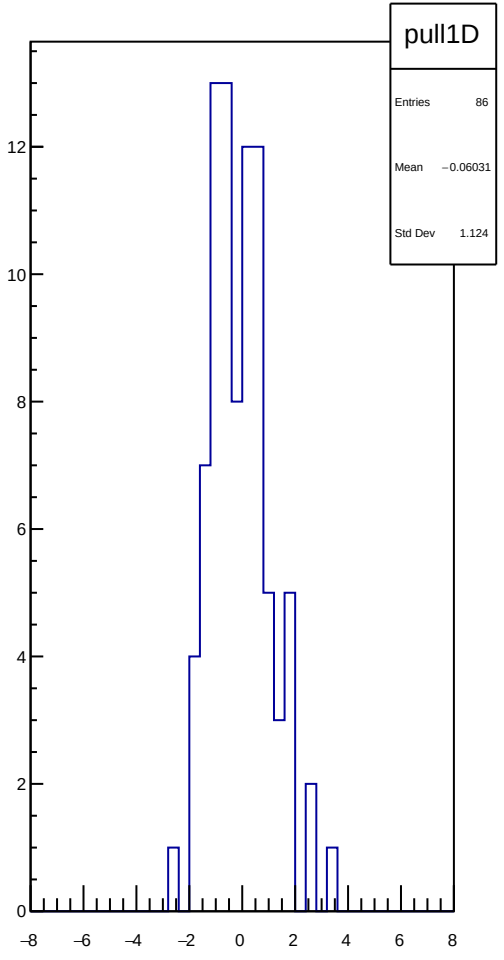

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.355e+04 / 85
p0 748.1 ± 0.5837
1000
950
900
850
800
750
700
650
600

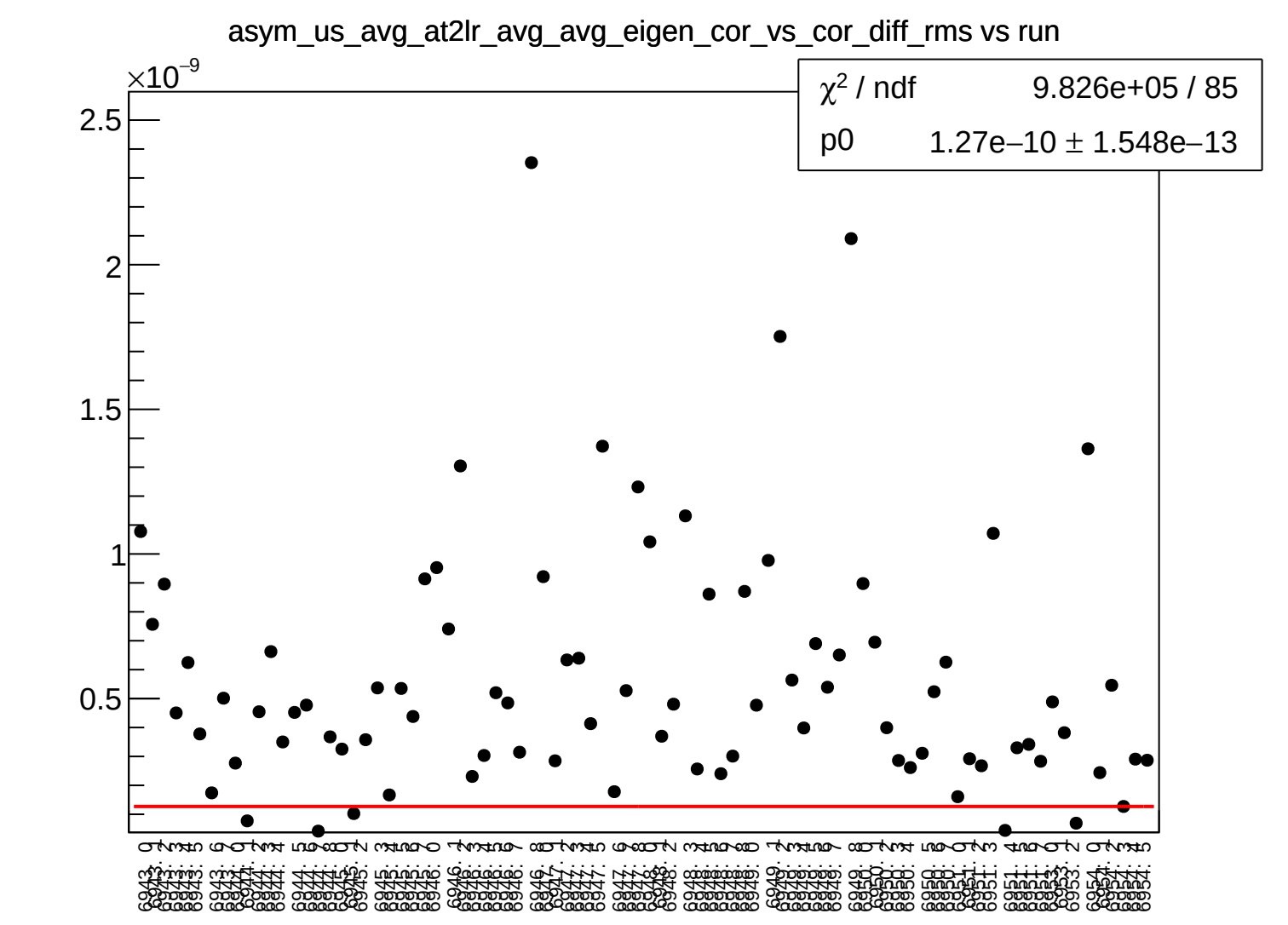

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.4 / 85
p0 0.6348 ± 0.8255
pull
Entries 86
Mean 1.622
Std Dev 0

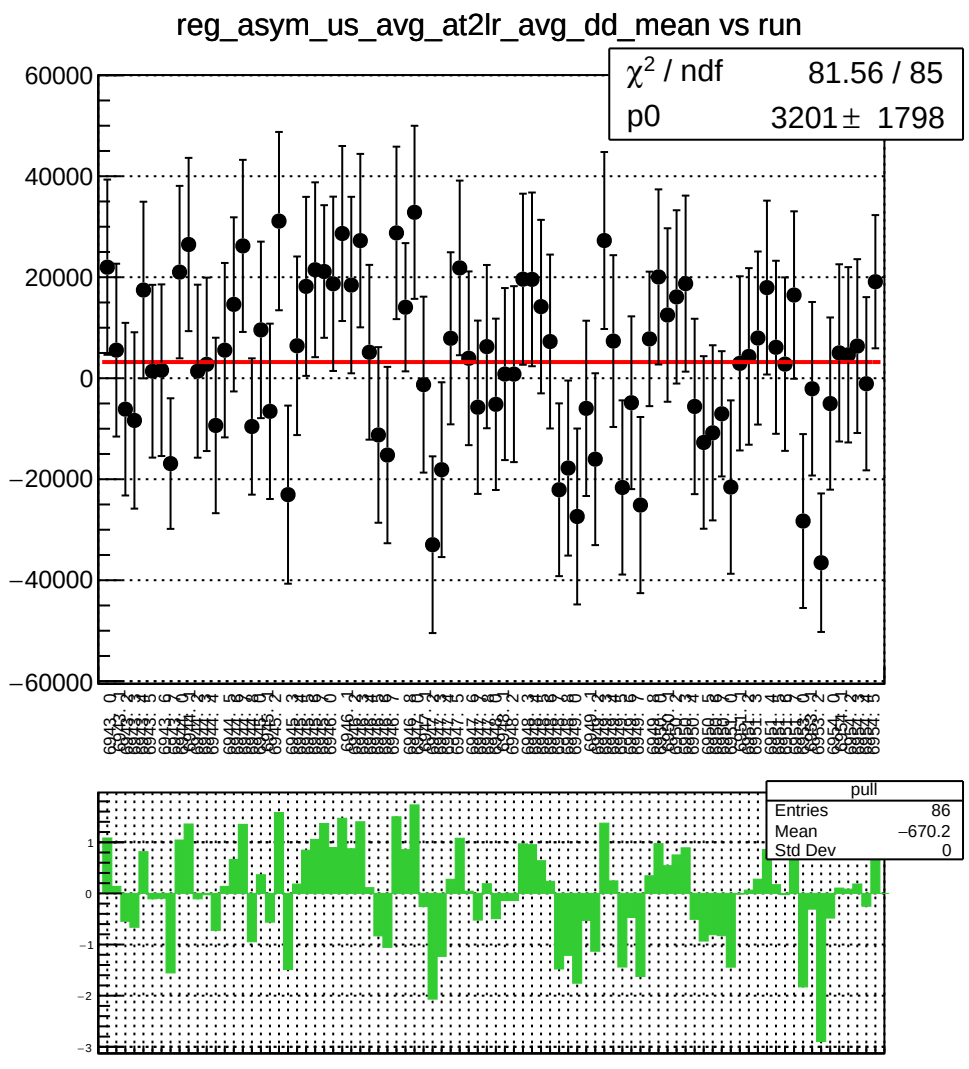

pull1D
Entries 86
Mean −0.01266
Std Dev 1.133

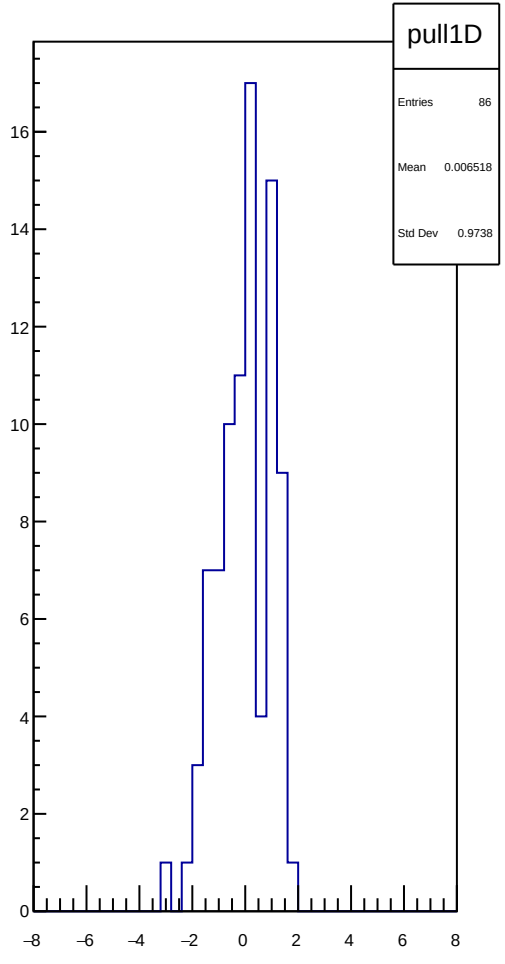

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.355e+04 / 85
p0 748.1 ± 0.5837
1000
950
900
850
800
750
700
650
600

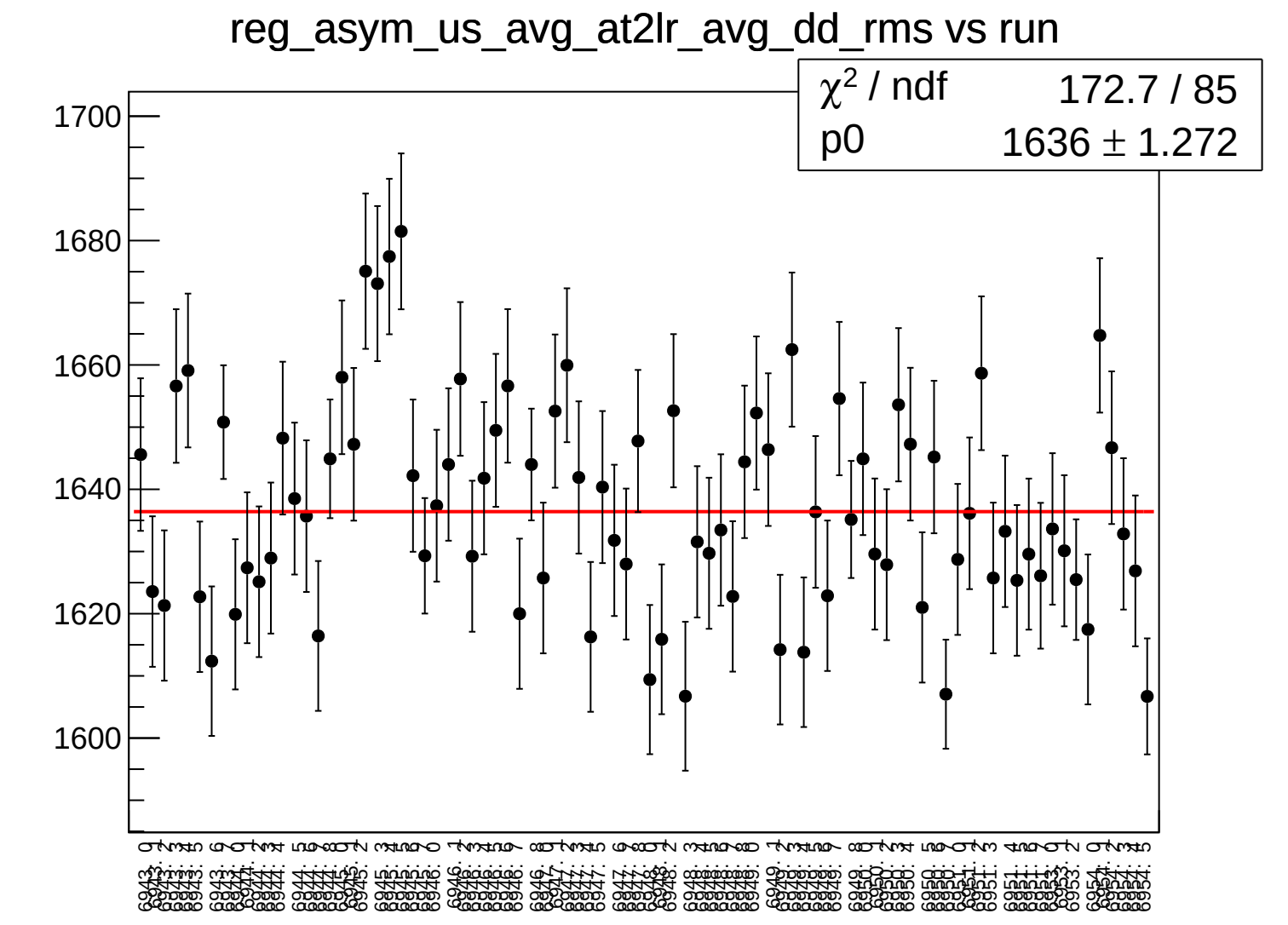

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 108.9 / 85
p0 −1.192e−14 ± 2.189e−13
pull
Entries 86
Mean 23.6
Std Dev 38.48

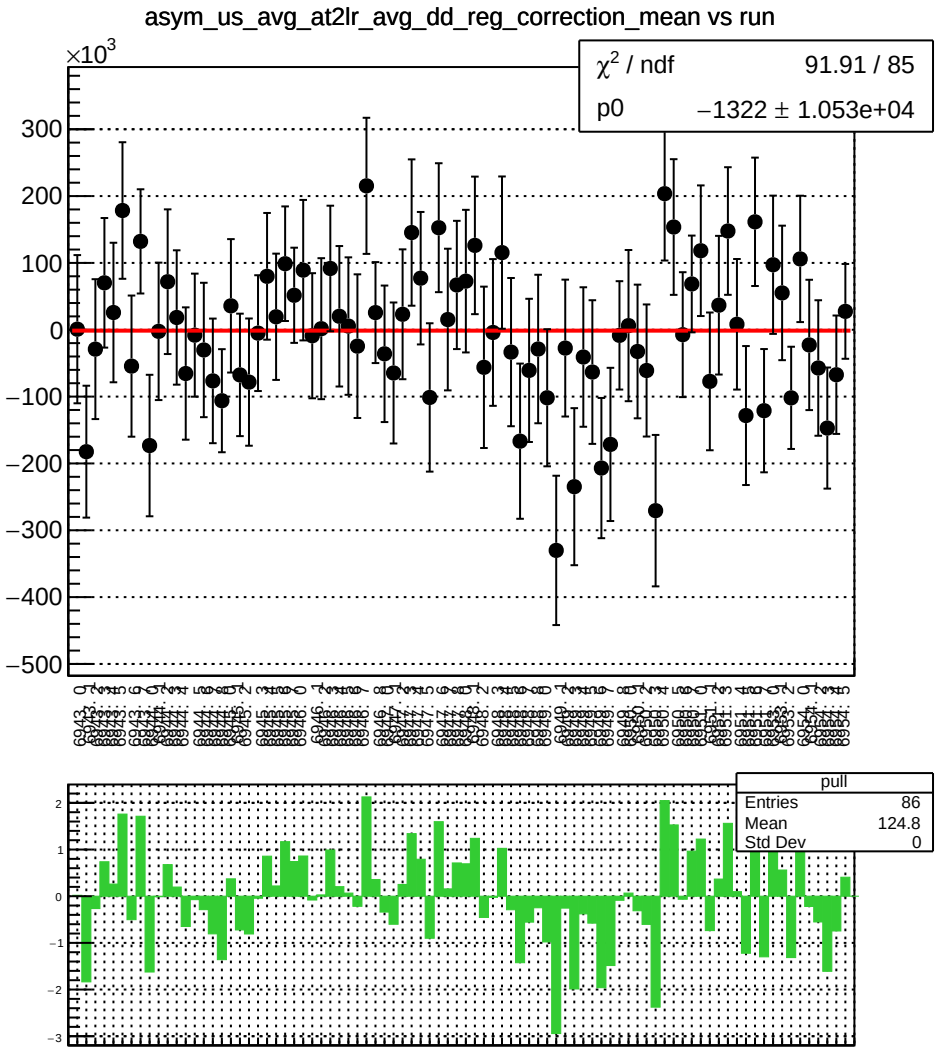

pull1D
Entries 86
Mean −0.06031
Std Dev 1.124

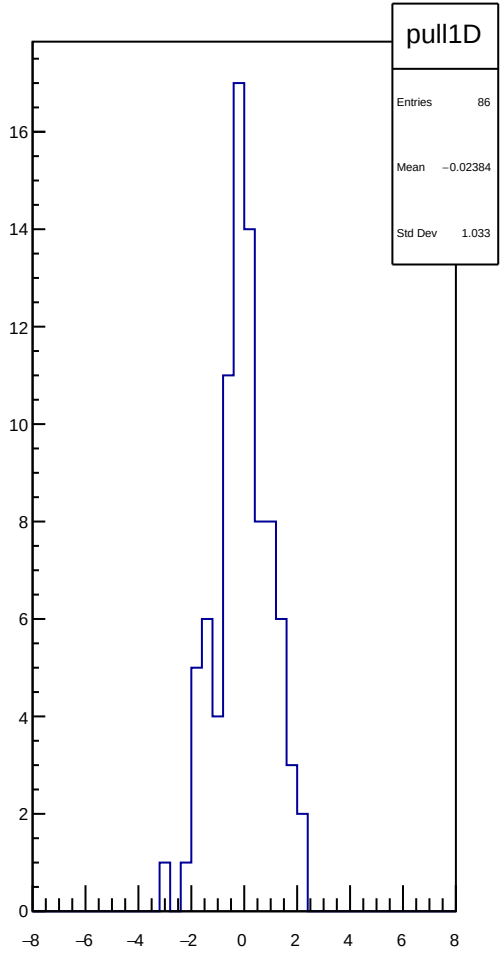

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.826e+05 / 85
p0 1.27e−10 ± 1.548e−13
2.5
2
1.5
1
0.5

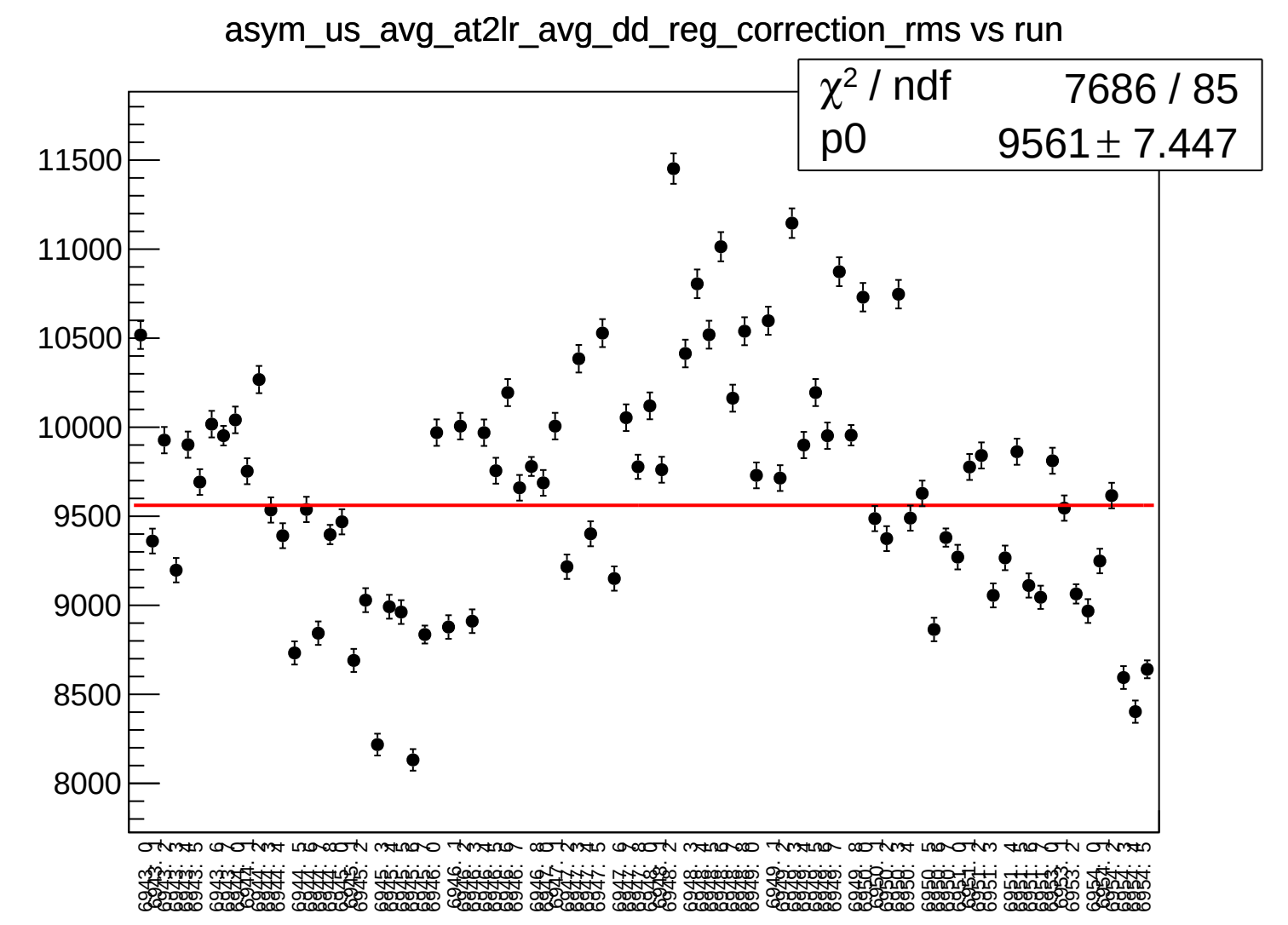

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.56 / 85
p0 3201 ± 1798
pull
Entries 86
Mean −670.2
Std Dev 0

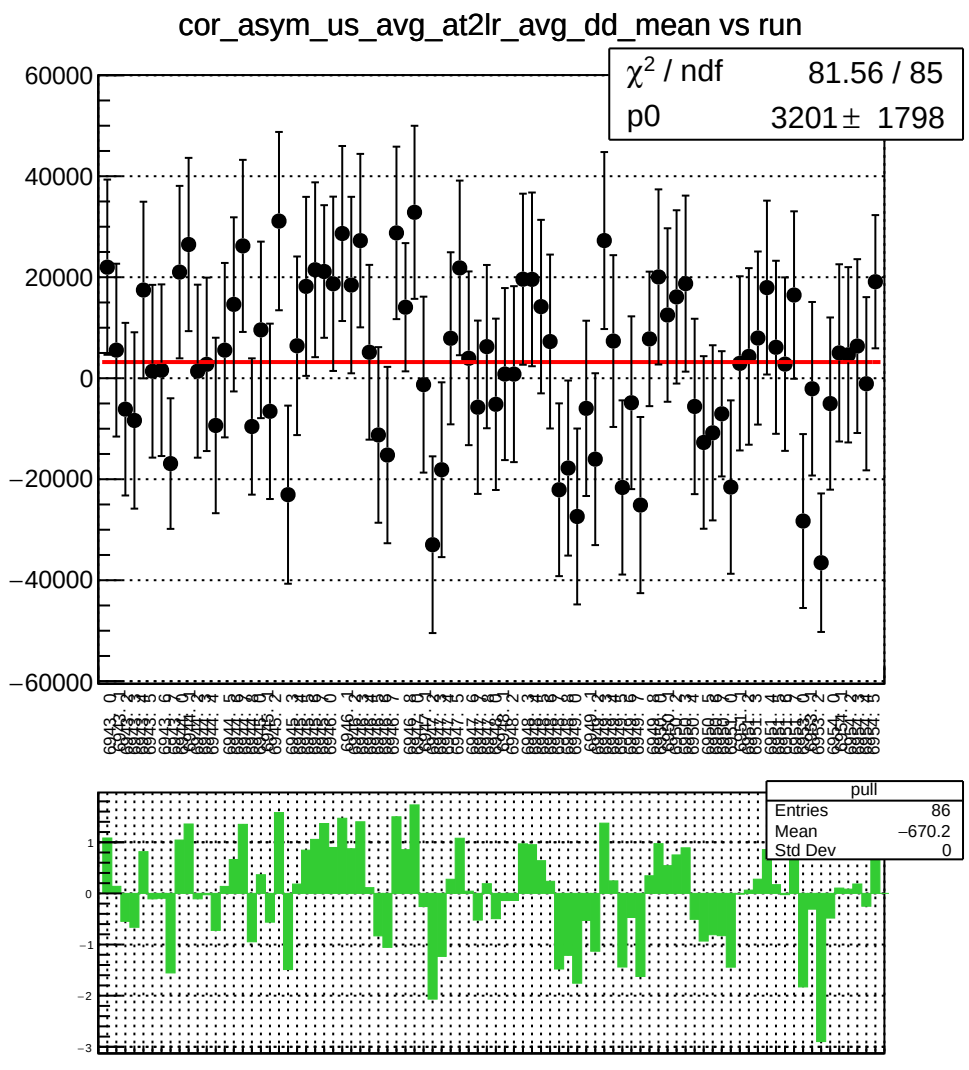

pull1D
Entries 86
Mean 0.006518
Std Dev 0.9738

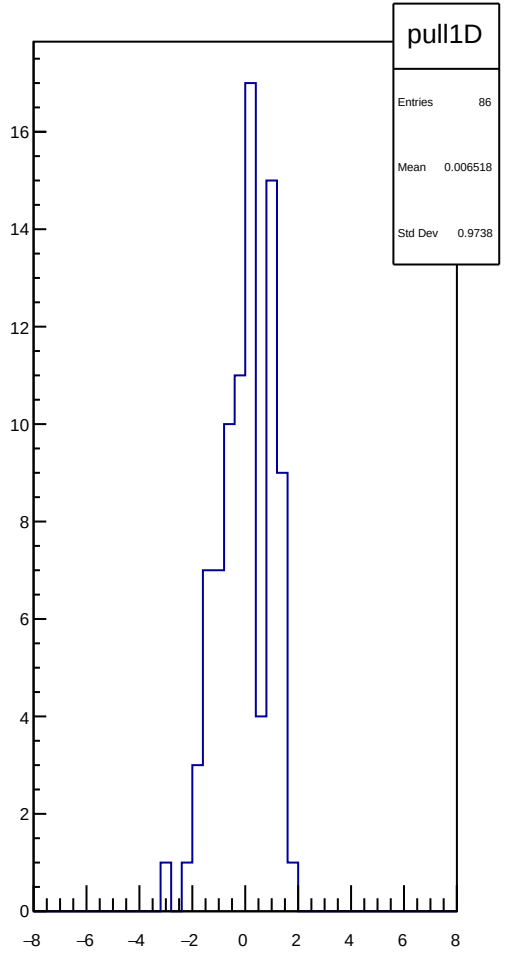

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 172.7 / 85
p0 1636 ± 1.272
1700
1680
1660
1640
1620
1600

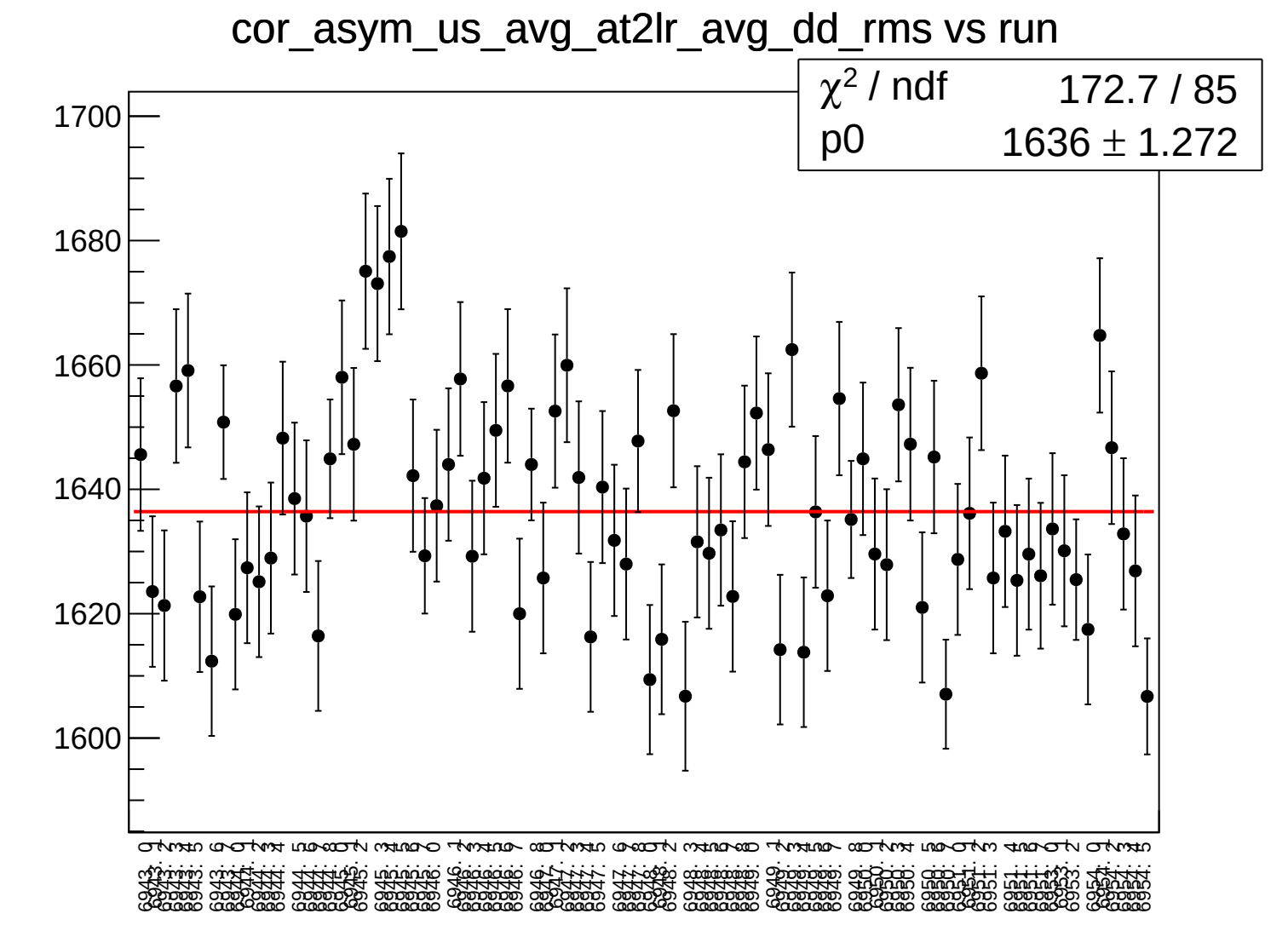

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 91.91 / 85
p0 −1322 ± 1.053e+04
pull
Entries 86
Mean 124.8
Std Dev 0

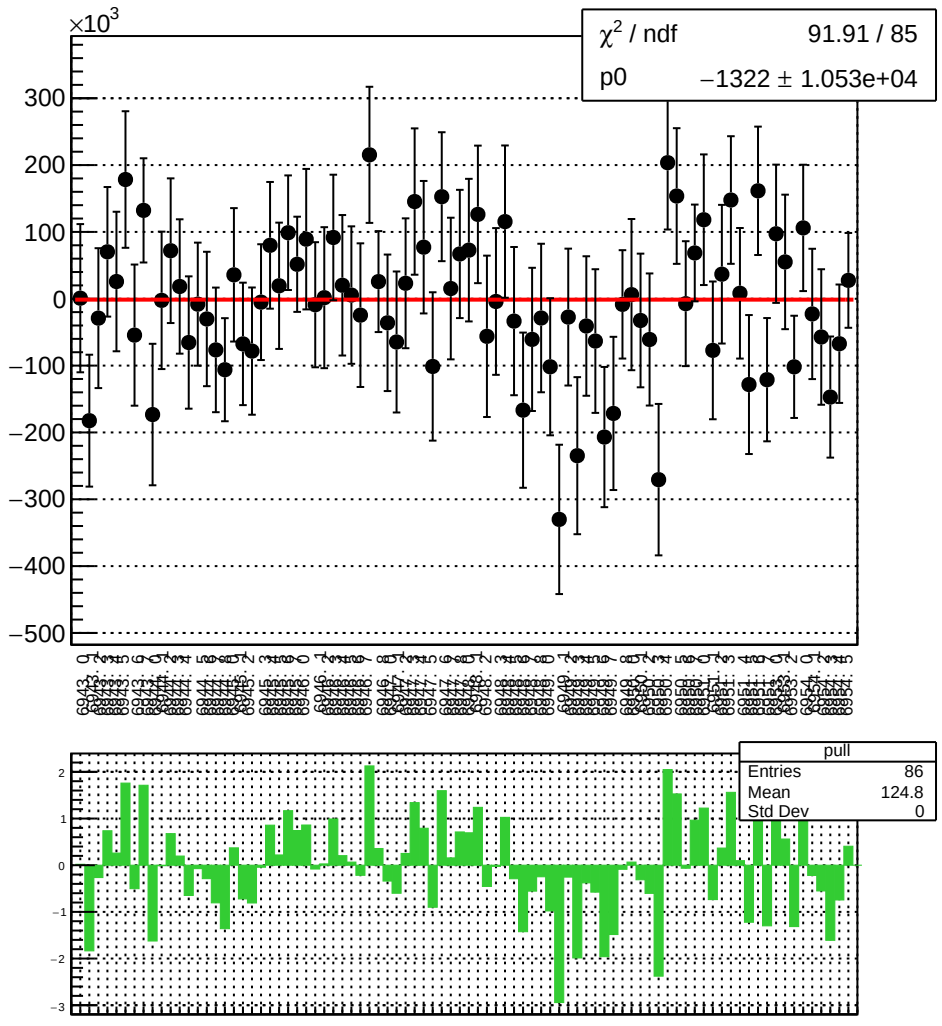

pull1D
Entries 86
Mean −0.02384
Std Dev 1.033

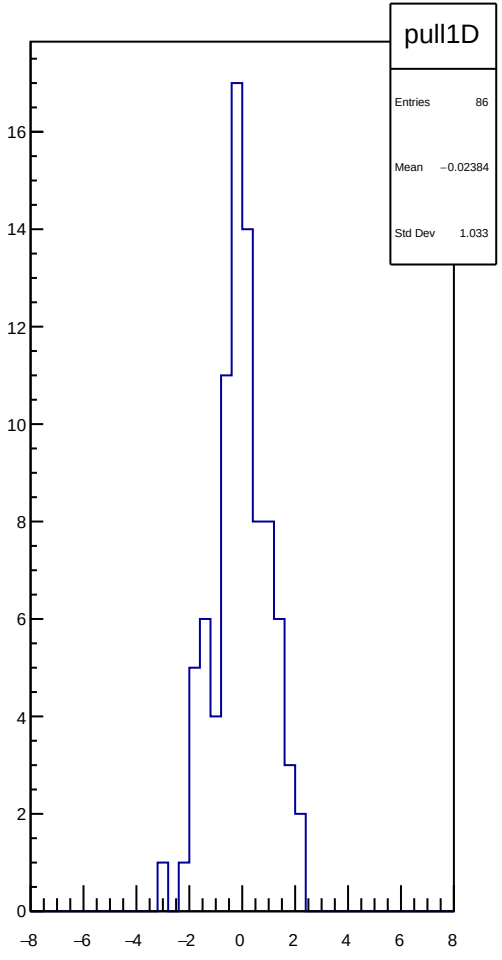

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 7686 / 85
p0 9561 ± 7.447
11500
11000
10500
10000
9500
9000
8500
8000

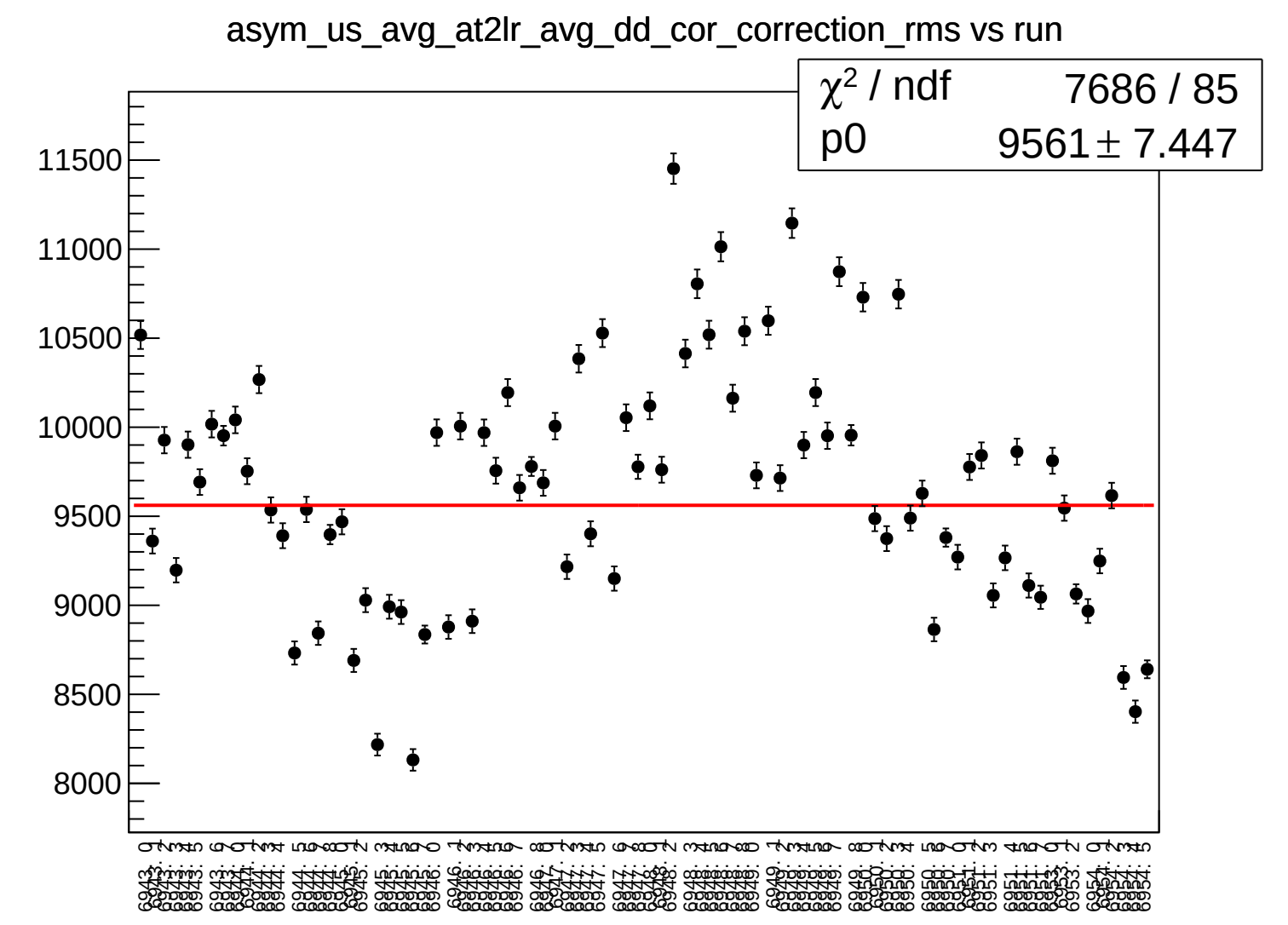

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.56 / 85
p0 3201 ± 1798
pull
Entries 86
Mean −670.2
Std Dev 0

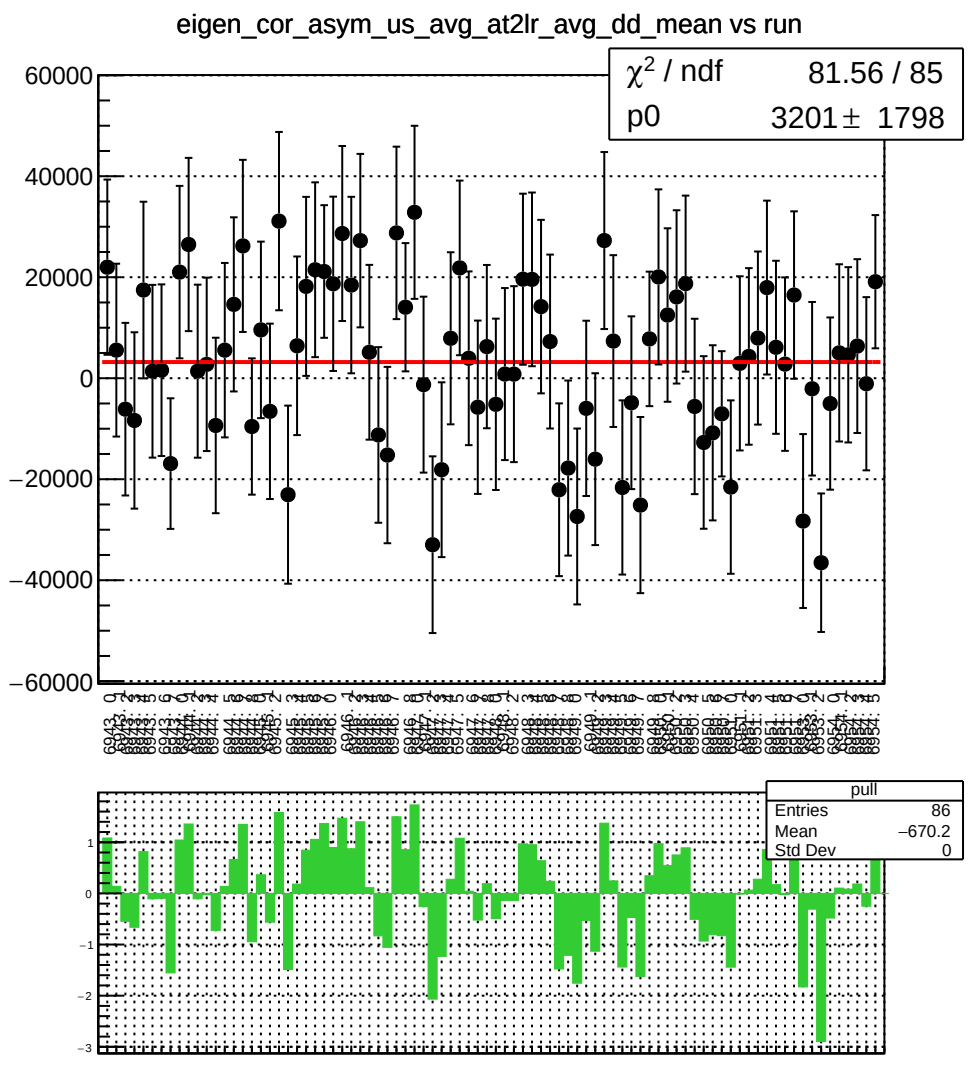

pull1D
Entries 86
Mean 0.006518
Std Dev 0.9738

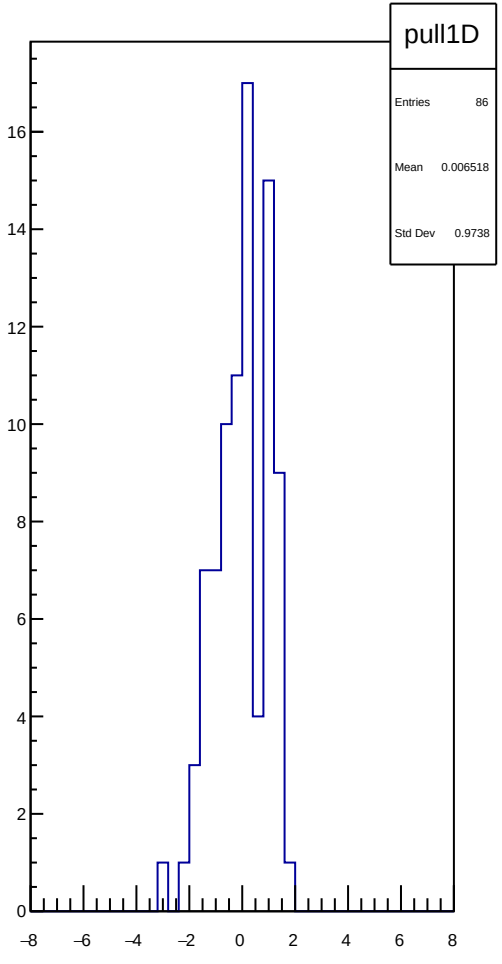

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 172.7 / 85
p0 1636 ± 1.272
1700
1680
1660
1640
1620
1600

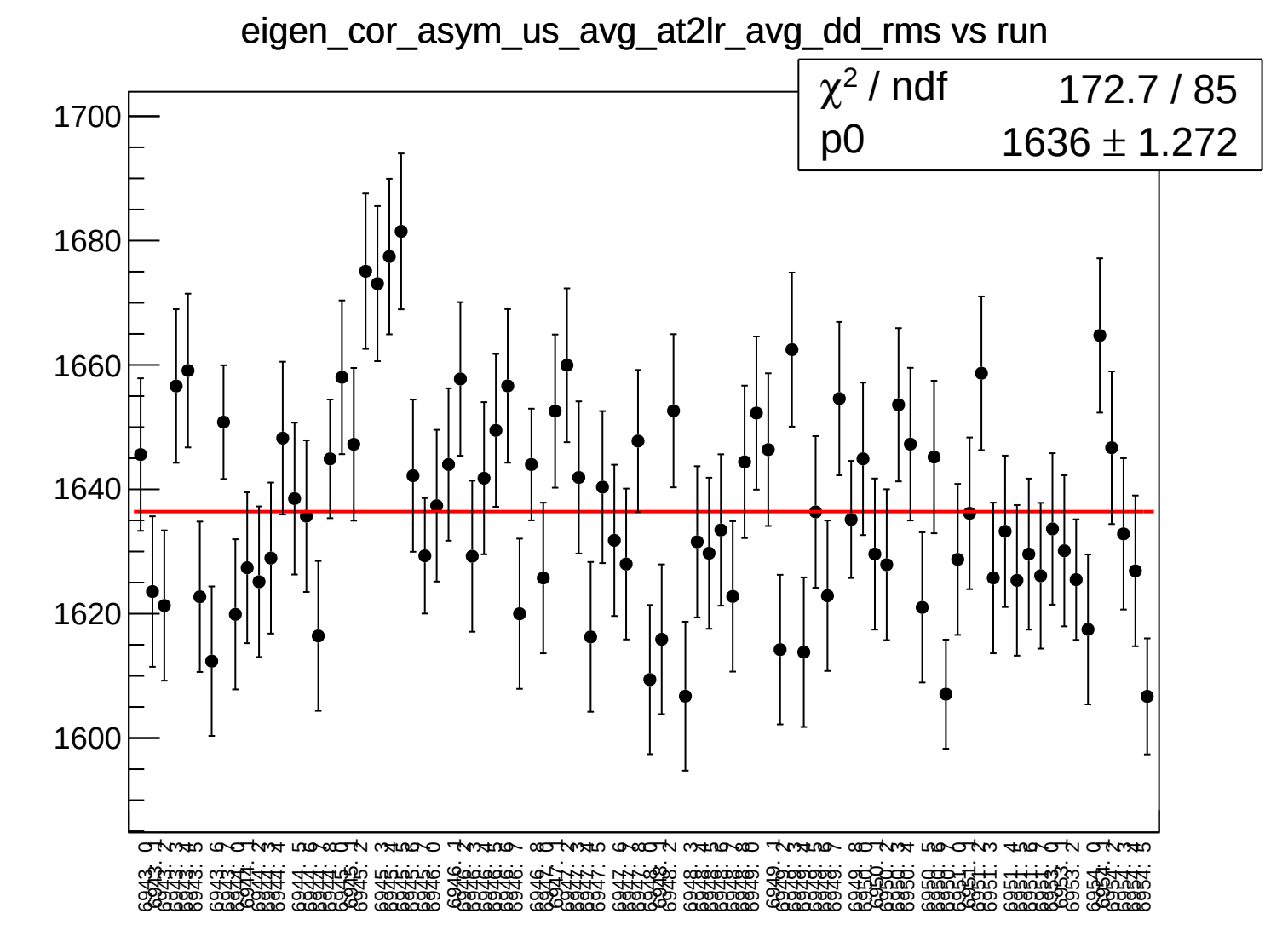

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.91 / 85
p0 −1322 ± 1.053e+04
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 86
Mean 124.8
Std Dev 0
2
1
0
−1
−2
−3

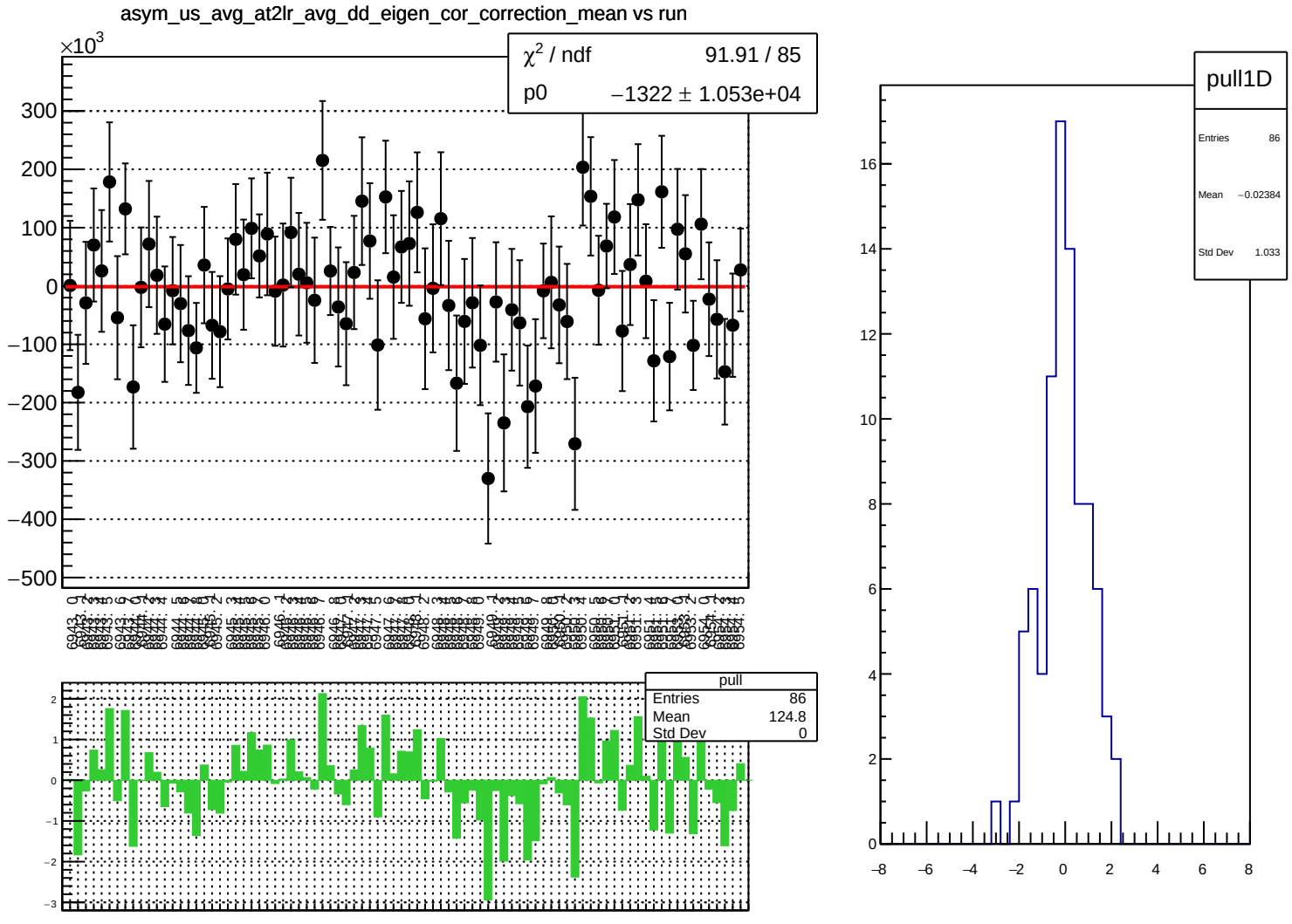

pull1D
Entries 86
Mean −0.02384
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

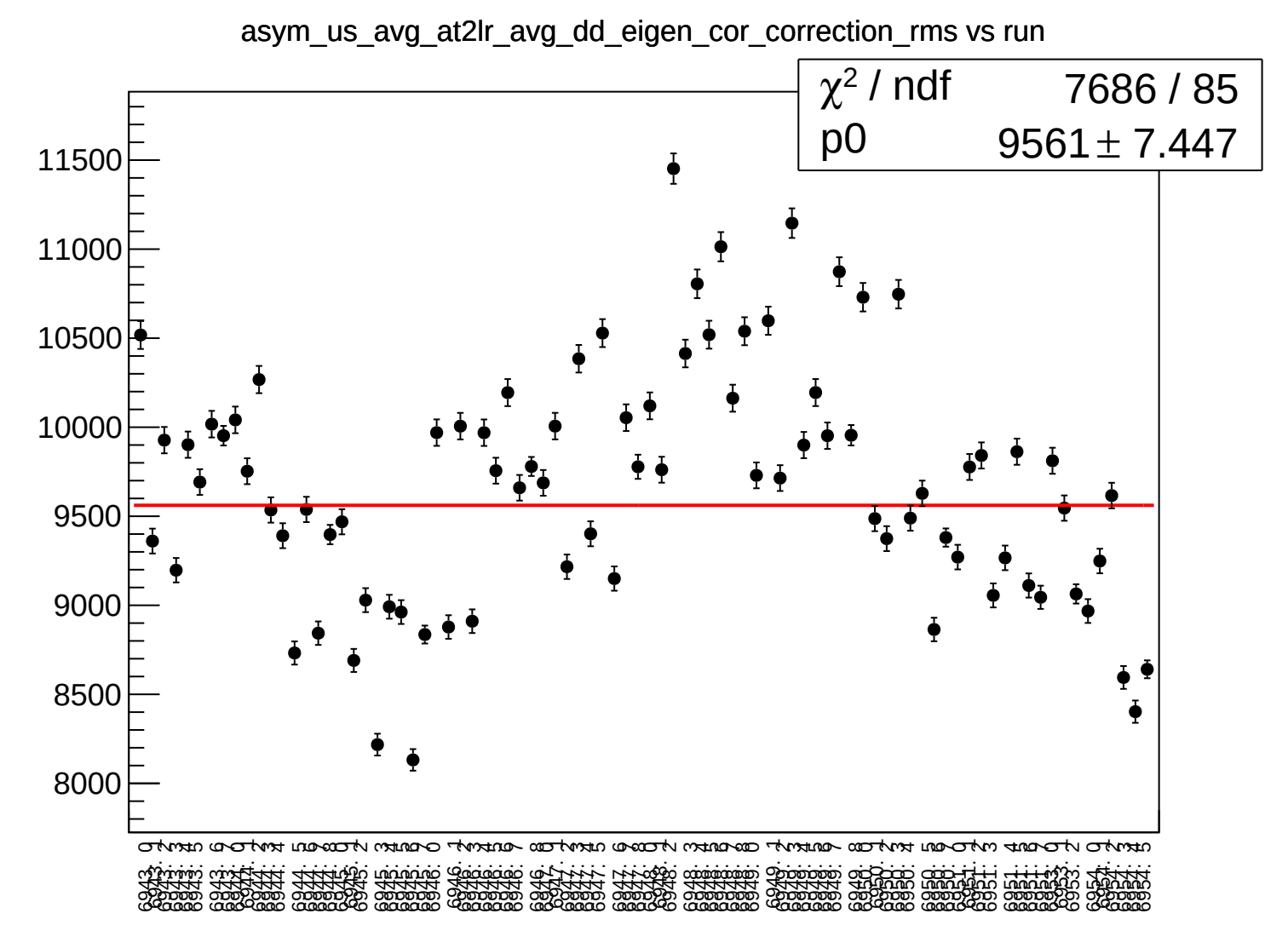

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ^2 / ndf 7686 / 85
p0 9561 ± 7.447
11500
11000
10500
10000
9500
9000
8500
8000

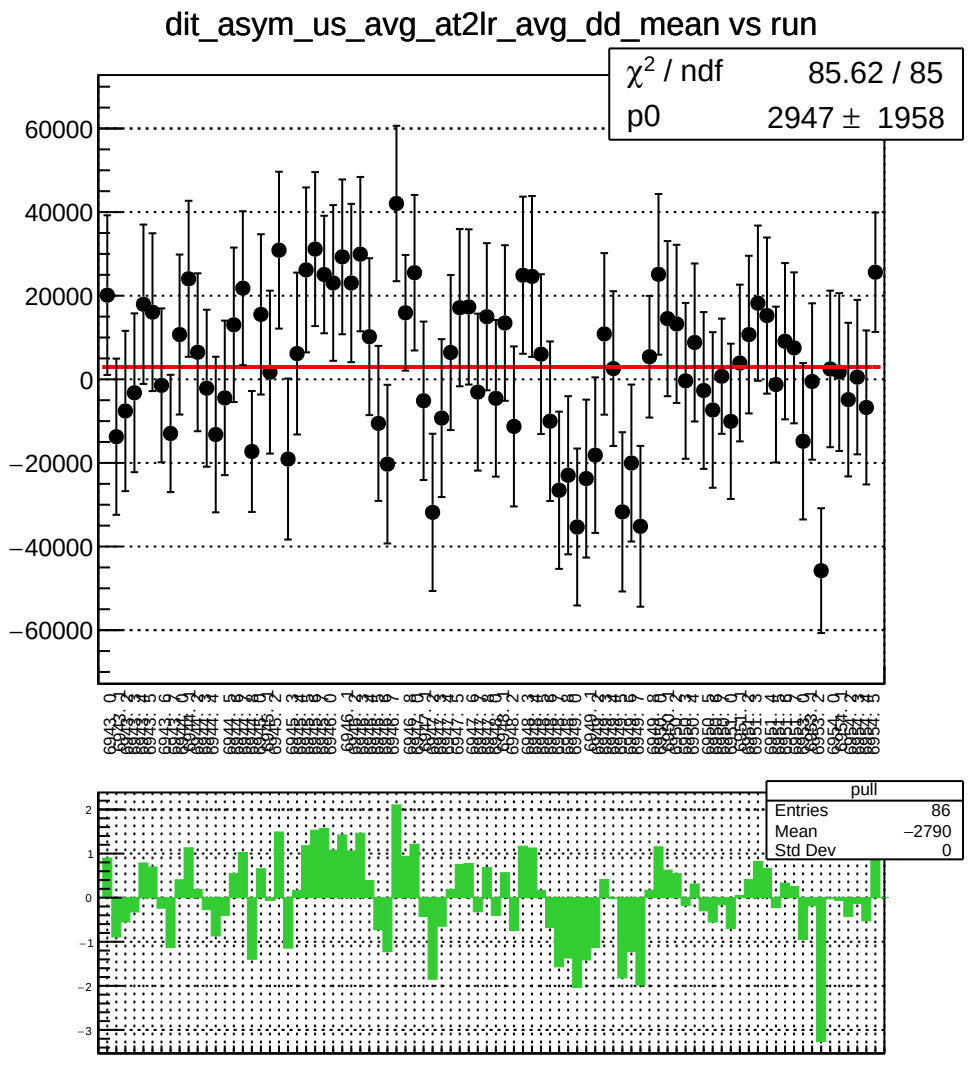

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.56 / 85
p0 3201 ± 1798
pull
Entries 86
Mean −670.2
Std Dev 0

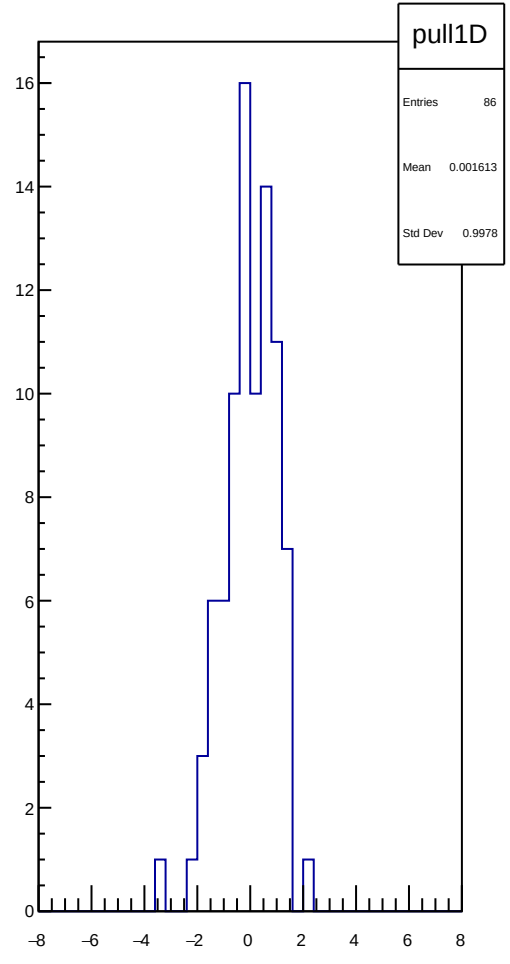

pull1D
Entries 86
Mean 0.006518
Std Dev 0.9738

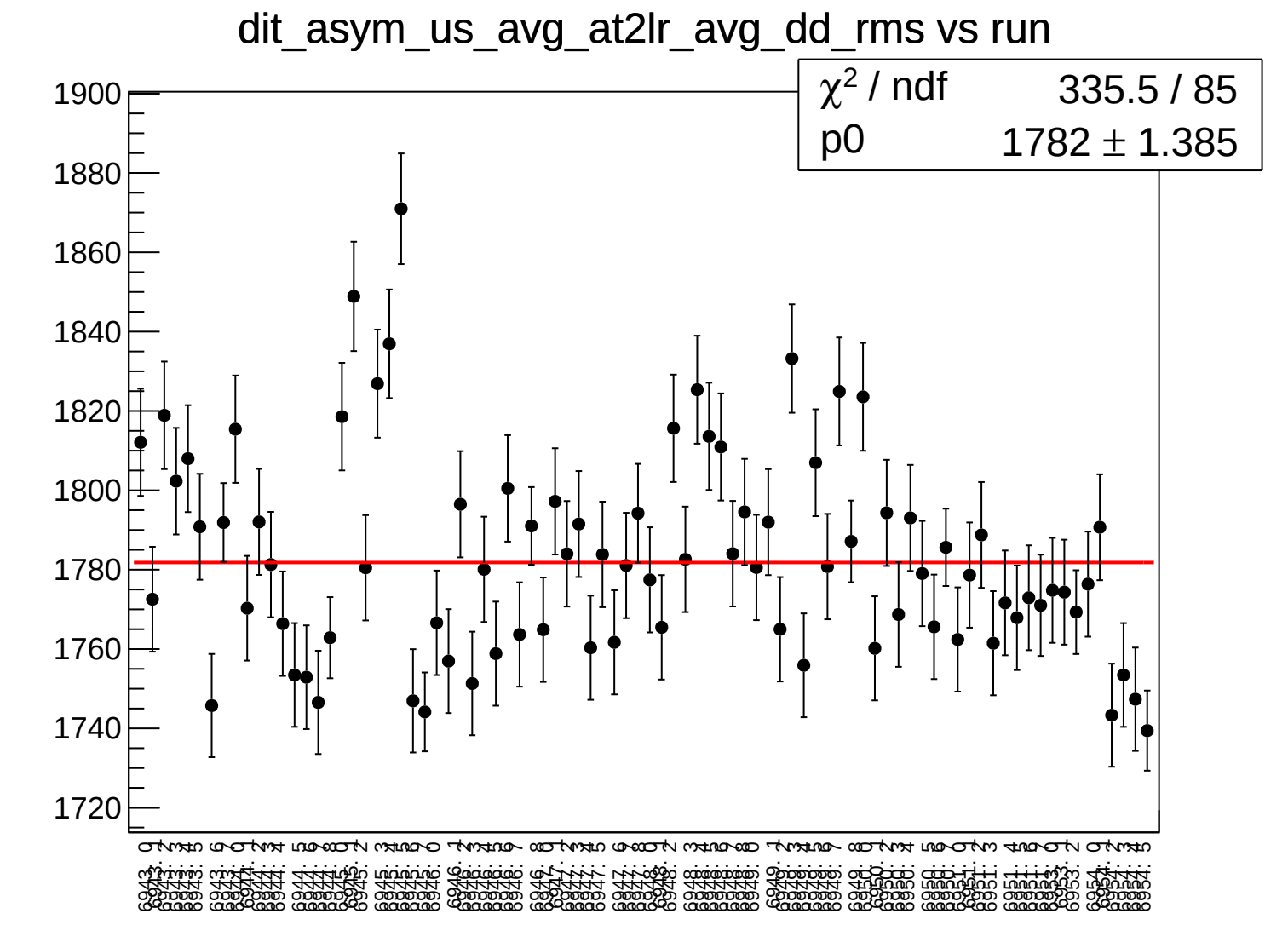

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 172.7 / 85
p0 1636 ± 1.272
1700
1680
1660
1640
1620
1600

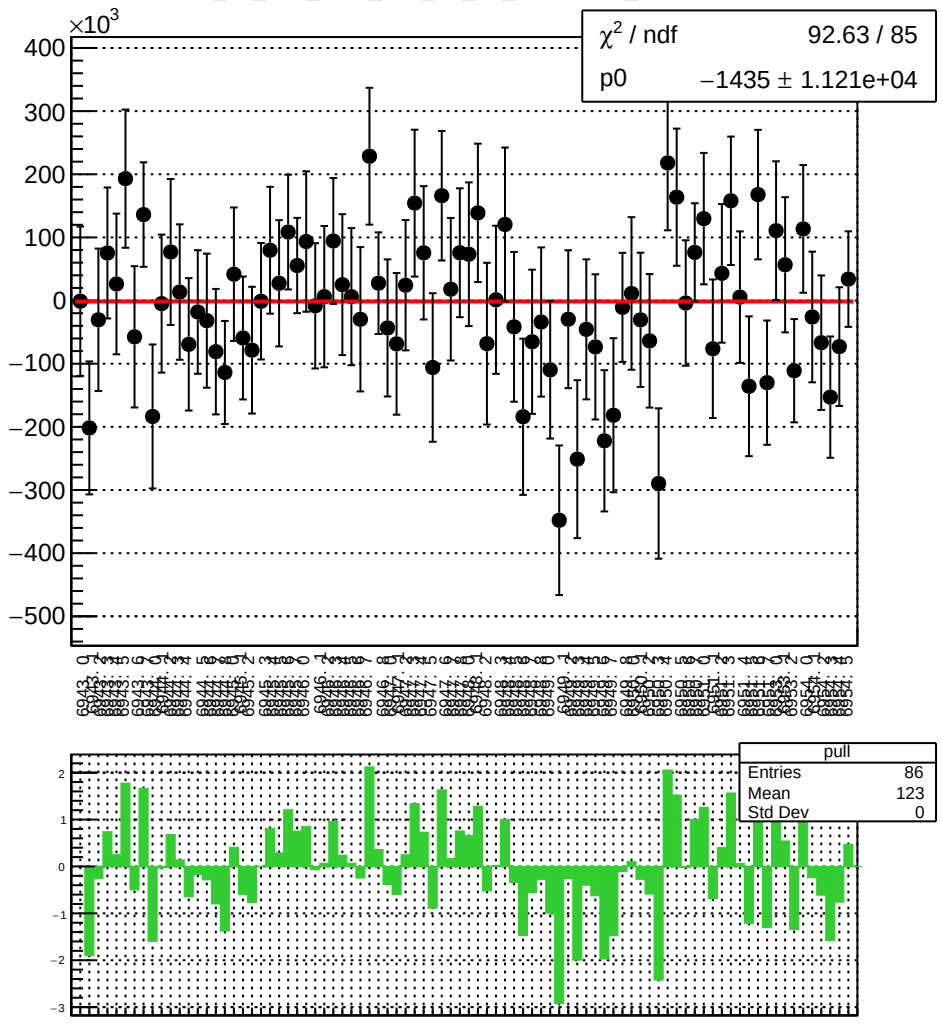

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.91 / 85
p0 −1322 ± 1.053e+04
pull
Entries 86
Mean 124.8
Std Dev 0
pull1D
Entries 86
Mean −0.02384
Std Dev 1.033

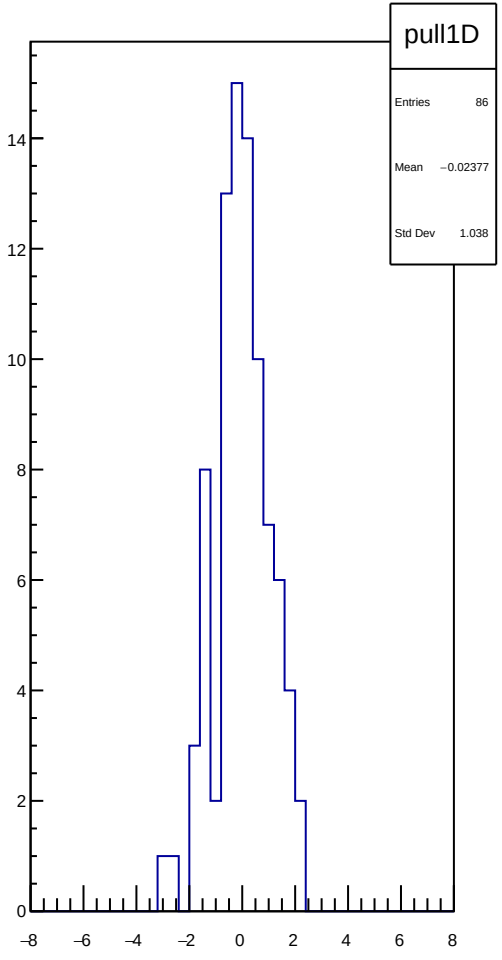

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7686 / 85
p0 9561 ± 7.447
11500
11000
10500
10000
9500
9000
8500
8000

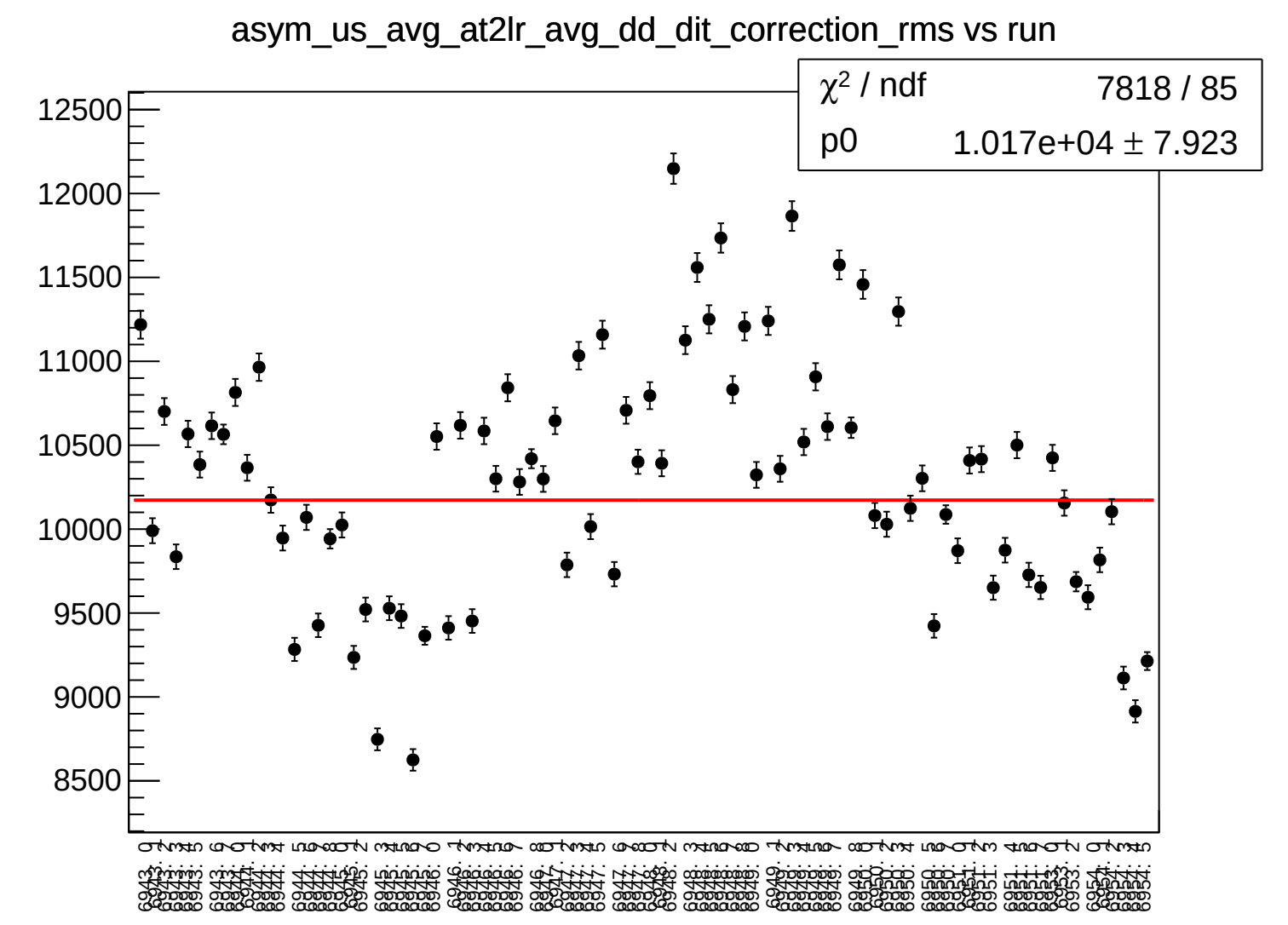

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 85.62 / 85
p0 2947 ± 1958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −2790
Std Dev 0
2
1
0
−1
−2
−3

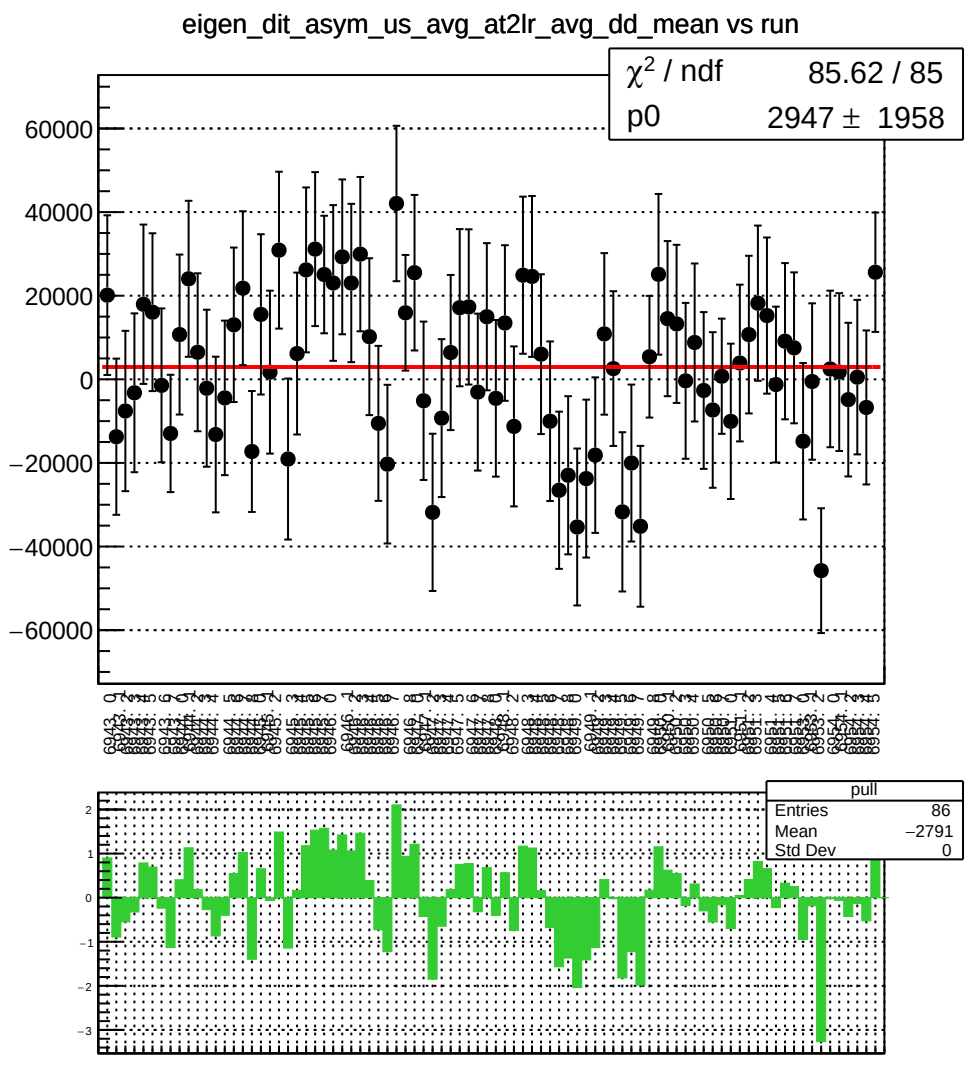

pull1D
Entries 86
Mean 0.001613
Std Dev 0.9978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

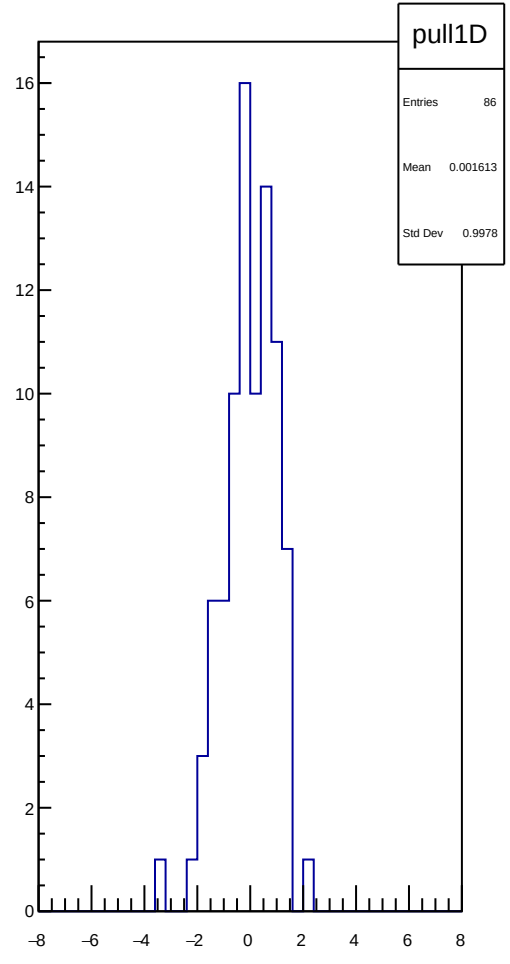

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 335.5 / 85
p0 1782 ± 1.385
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

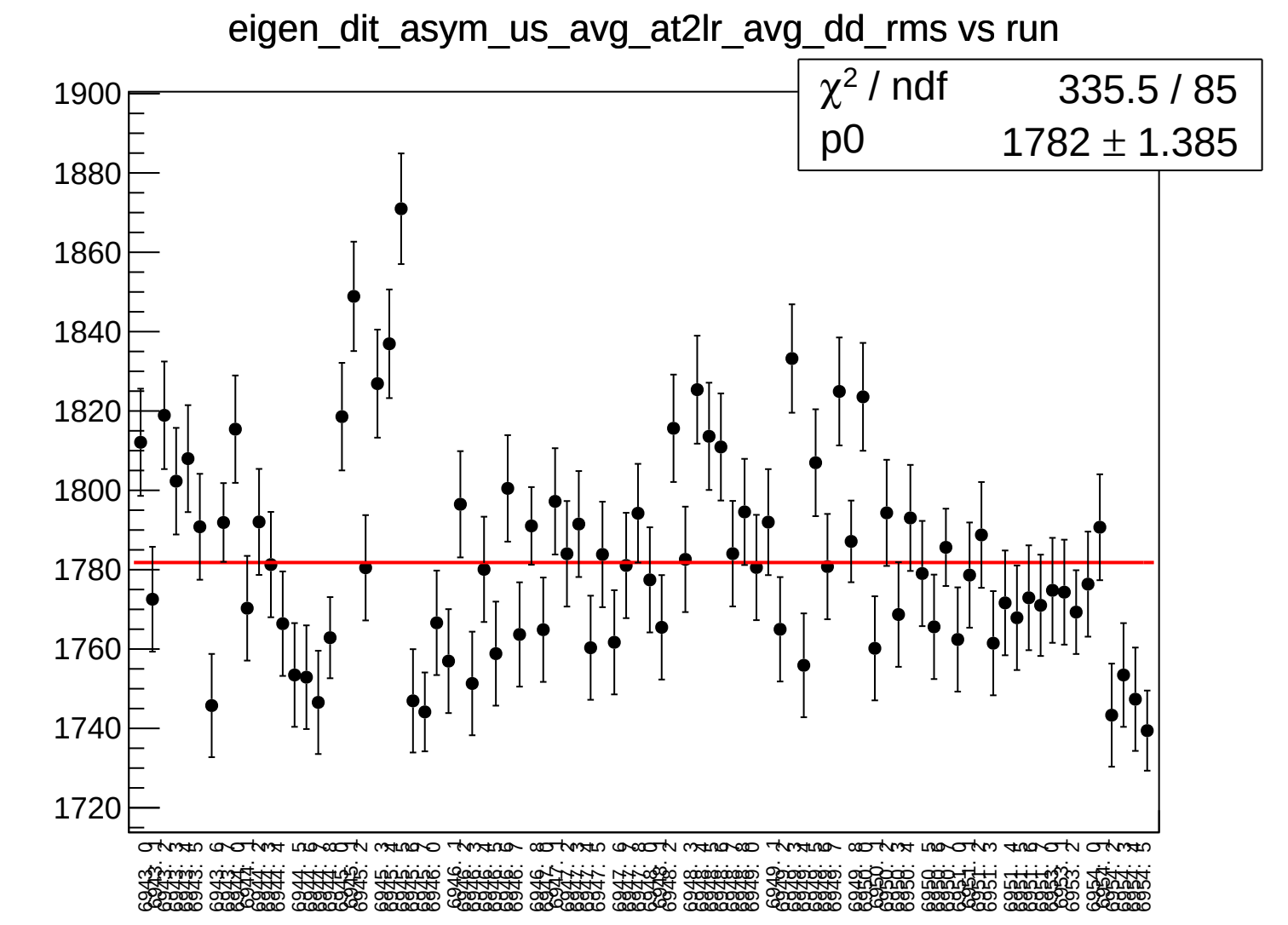

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.63 / 85
p0 −1435 ± 1.121e+04
pull
Entries 86
Mean 123
Std Dev 0

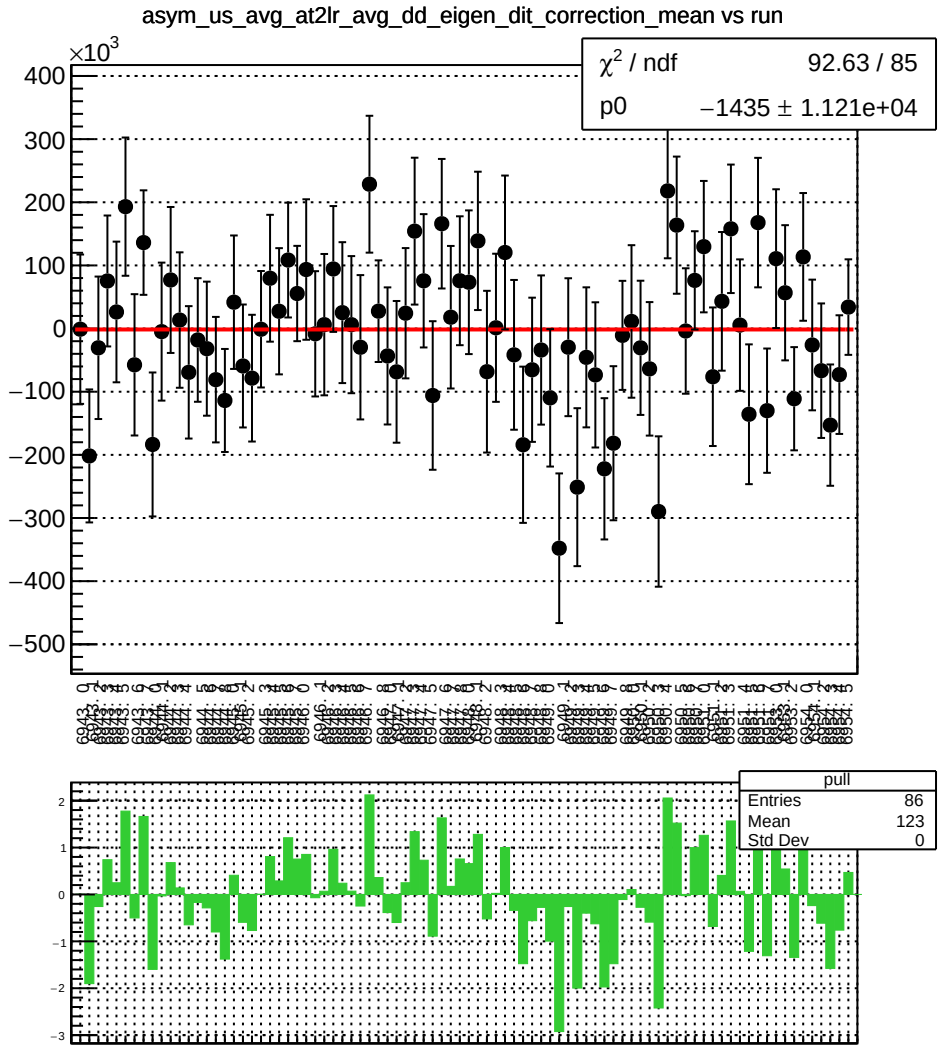

pull1D
Entries 86
Mean −0.02377
Std Dev 1.038

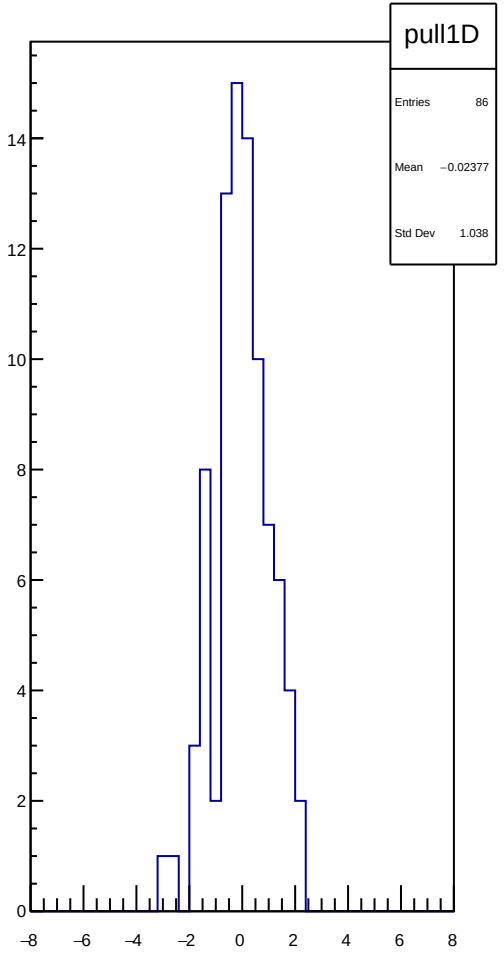

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 7818 / 85
p0 1.017e+04 ± 7.923
12500
12000
11500
11000
10500
10000
9500
9000
8500

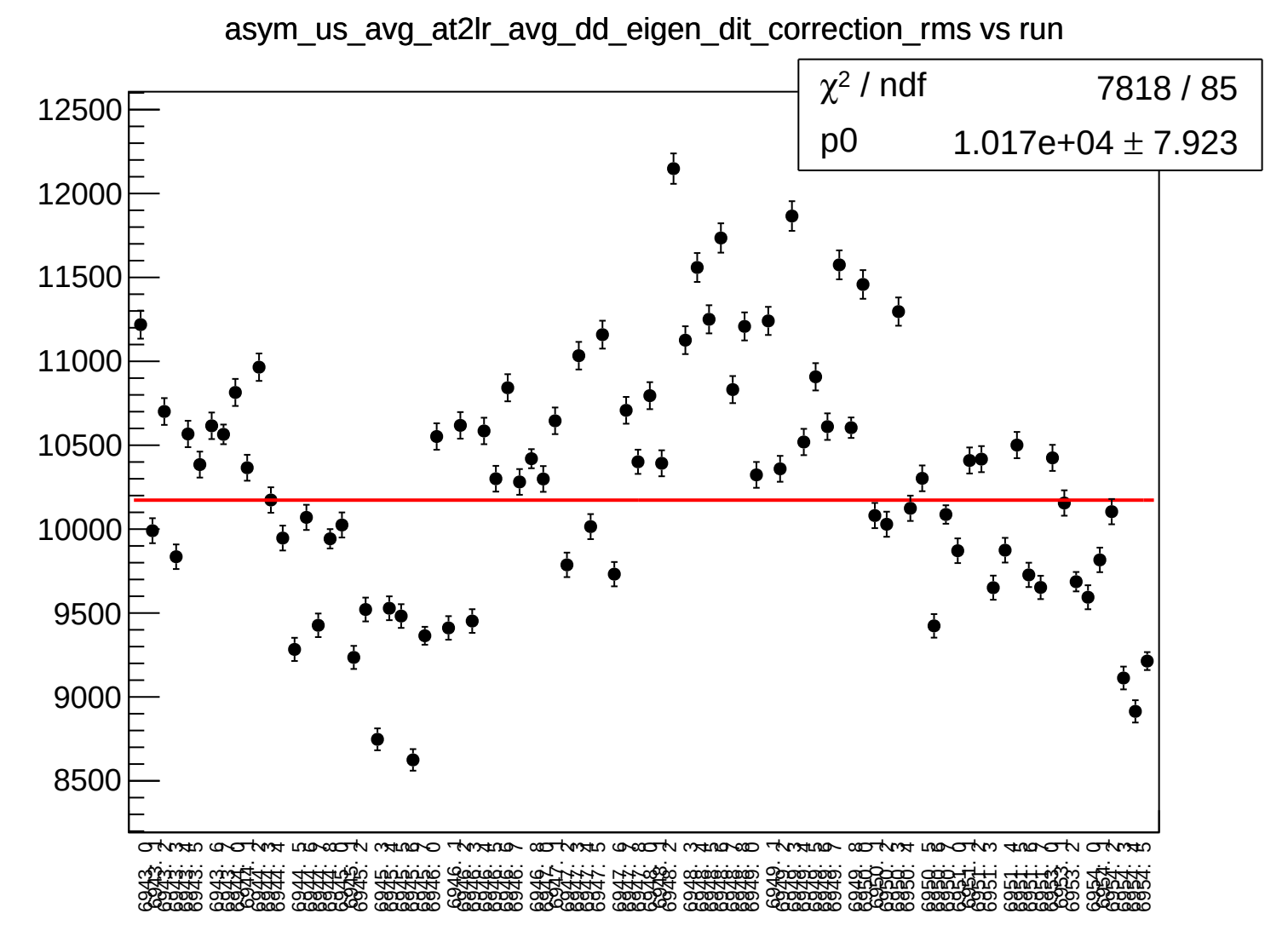

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 85.62 / 85
p0 2947 ± 1958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −2791
Std Dev 0
2
1
0
−1
−2
−3

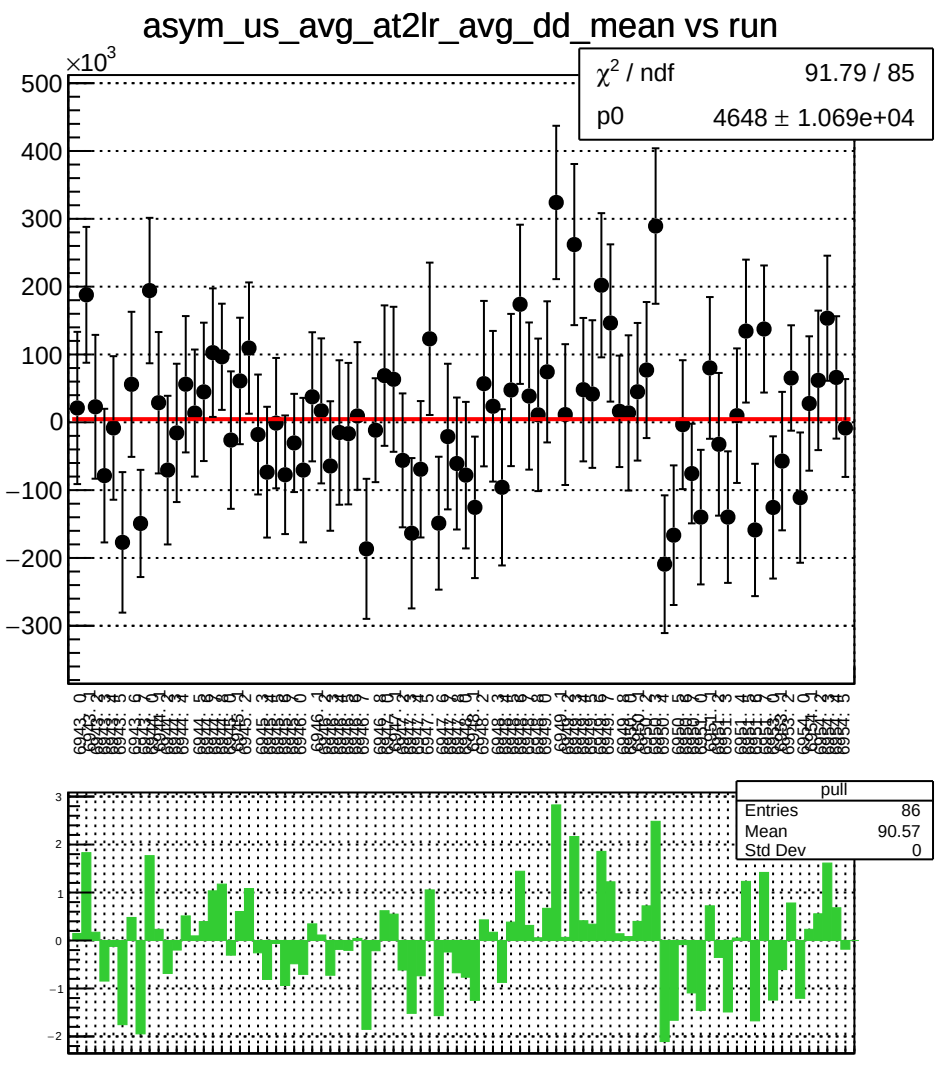

pull1D
Entries 86
Mean 0.001613
Std Dev 0.9978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

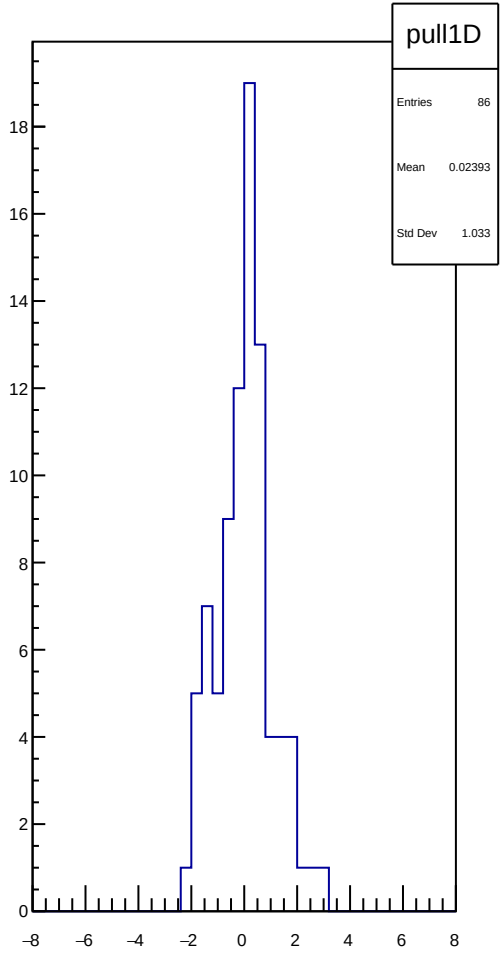

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 335.5 / 85
p0 1782 ± 1.385
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

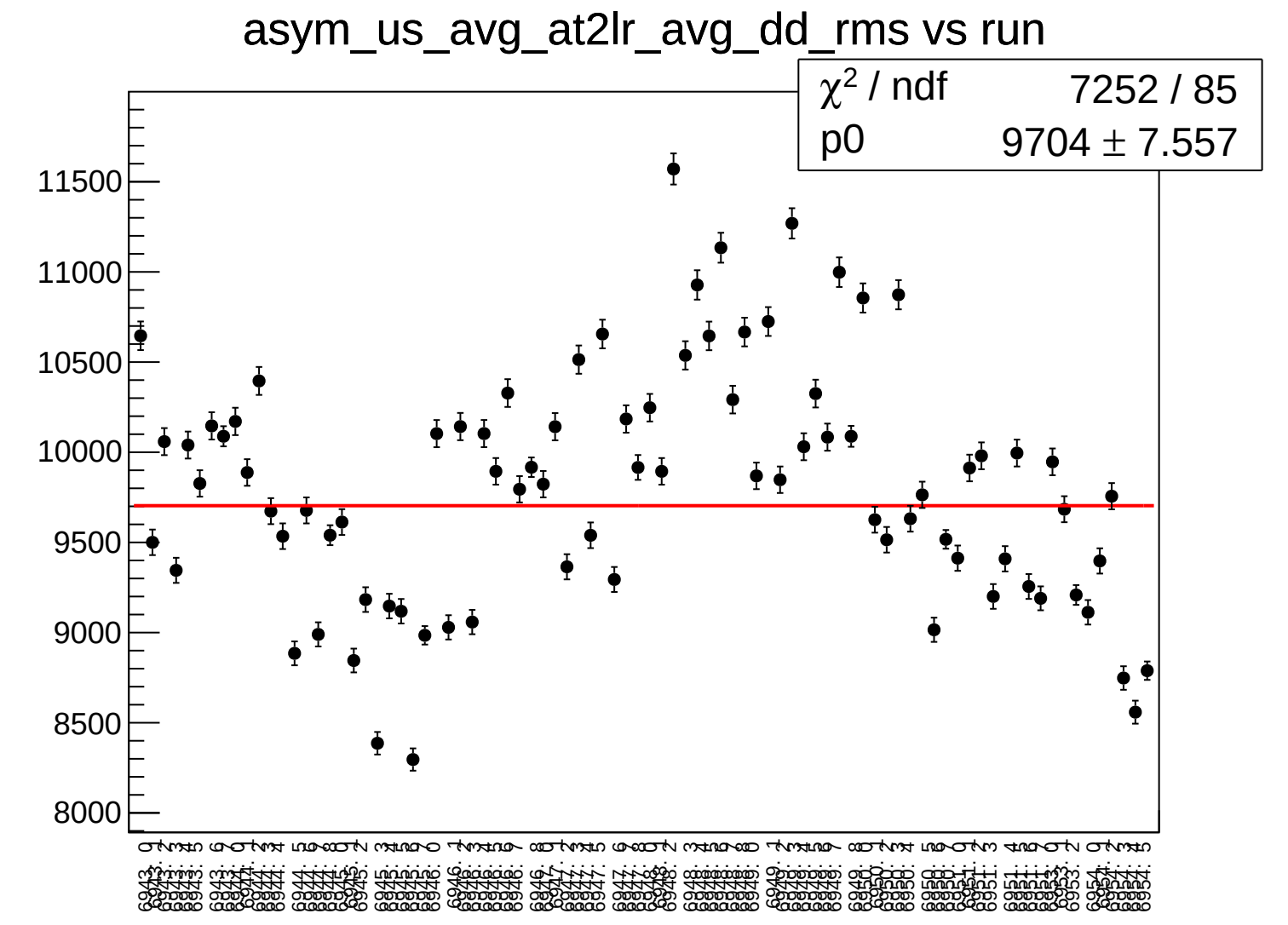

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.63 / 85
p0 −1435 ± 1.121e+04
pull
Entries 86
Mean 123
Std Dev 0

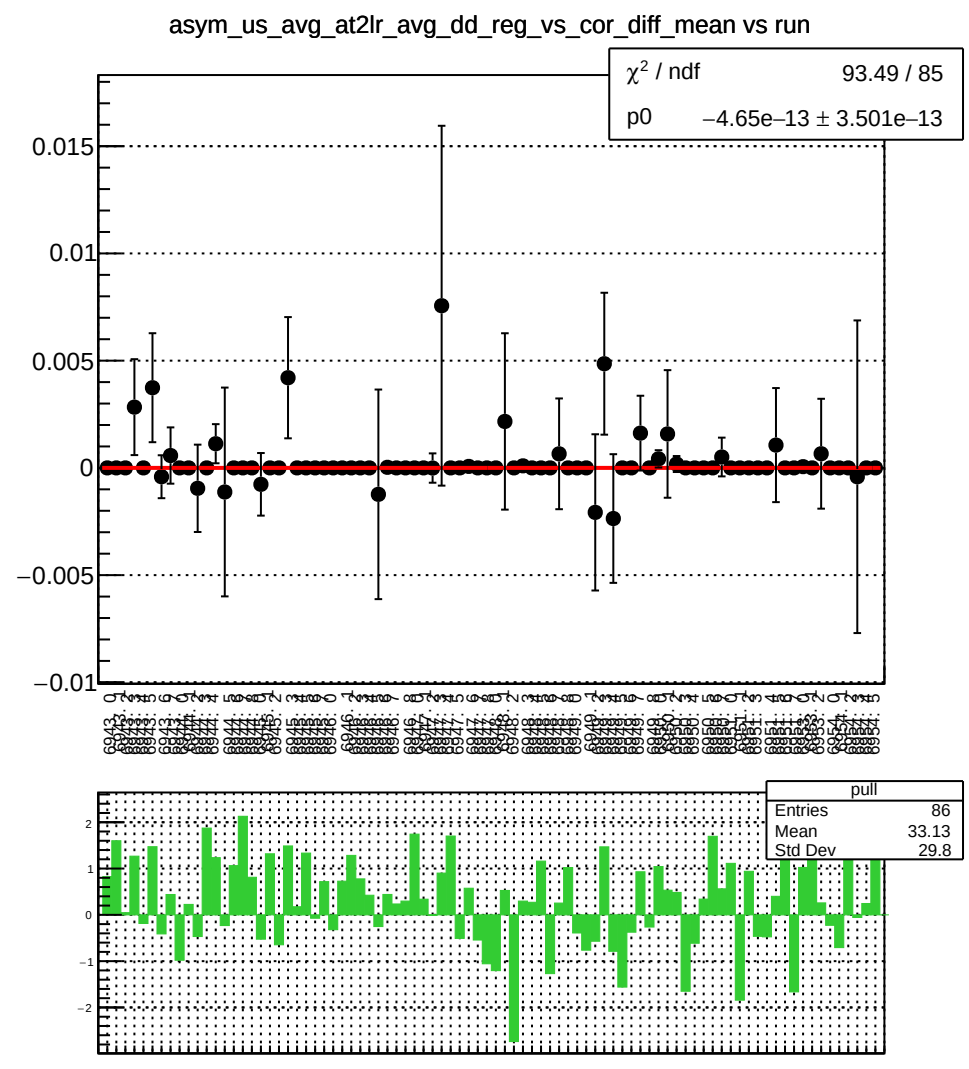

pull1D
Entries 86
Mean −0.02377
Std Dev 1.038

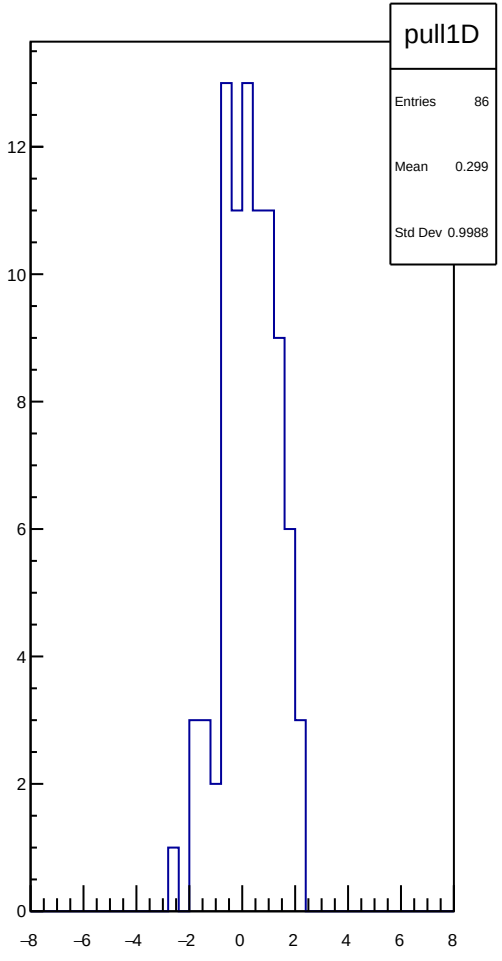

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7818 / 85
p0 1.017e+04 ± 7.923
12500
12000
11500
11000
10500
10000
9500
9000
8500

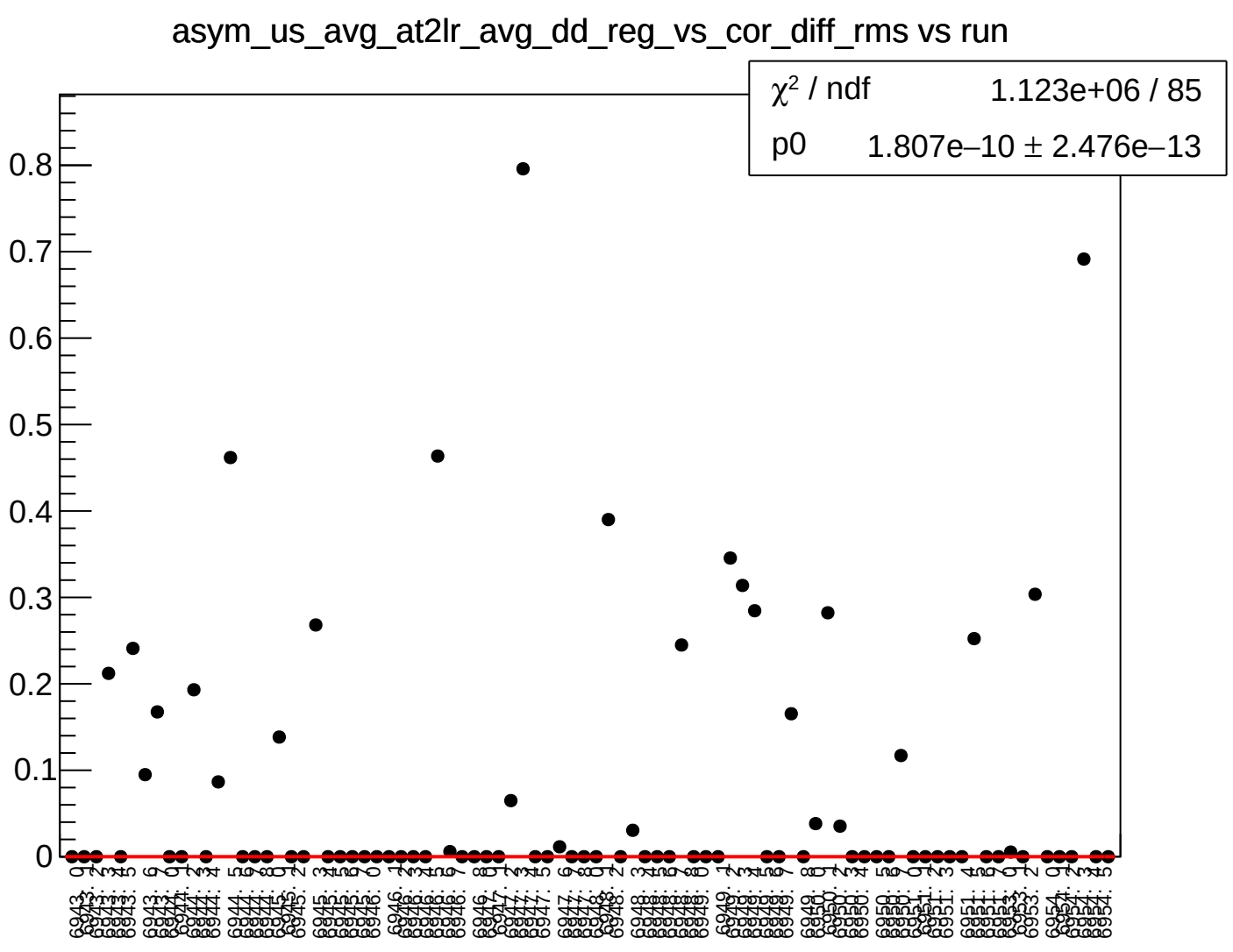

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 91.79 / 85
p0 4648 ± 1.069e+04
pull
Entries 86
Mean 90.57
Std Dev 0

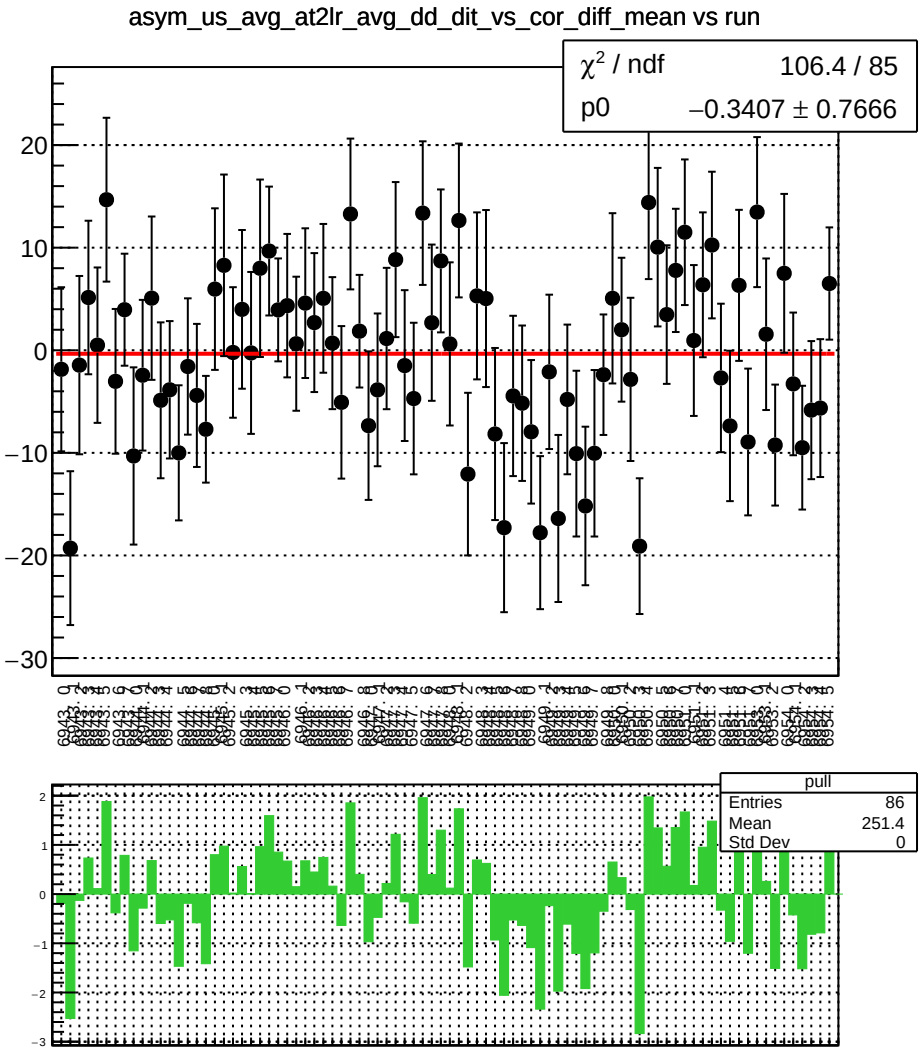

pull1D
Entries 86
Mean 0.02393
Std Dev 1.033

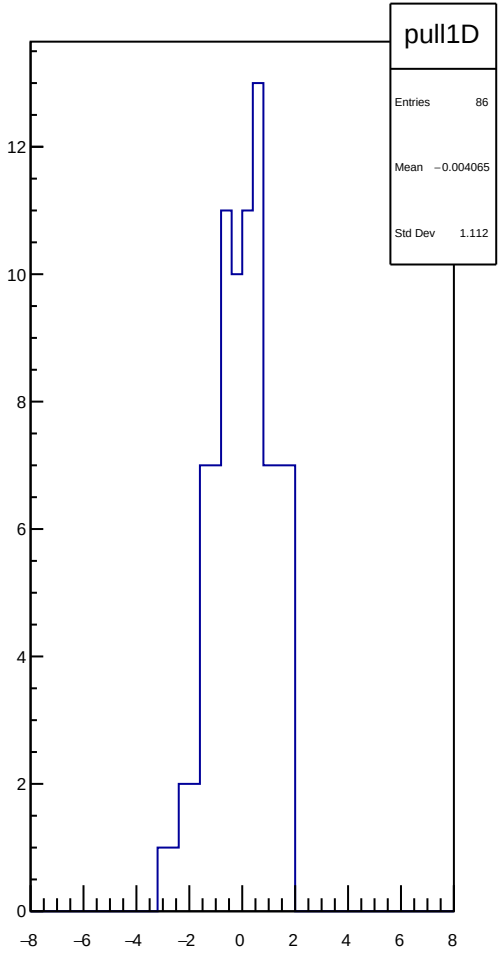

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 7252 / 85
p0 9704 ± 7.557
11500
11000
10500
10000
9500
9000
8500
8000

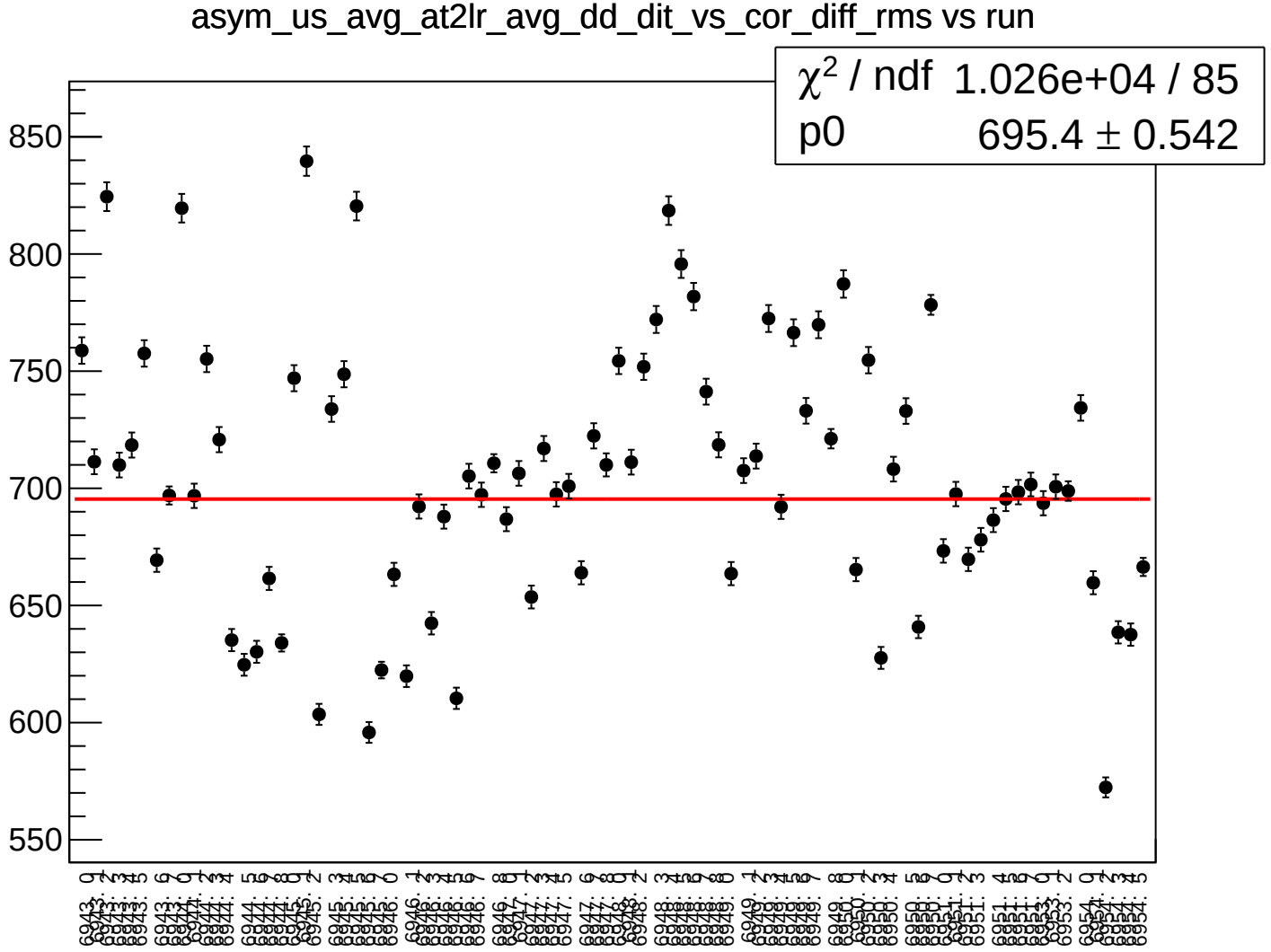

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.49 / 85
p0 −4.65e−13 ± 3.501e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 86
Mean 33.13
Std Dev 29.8
2
1
0
−1
−2

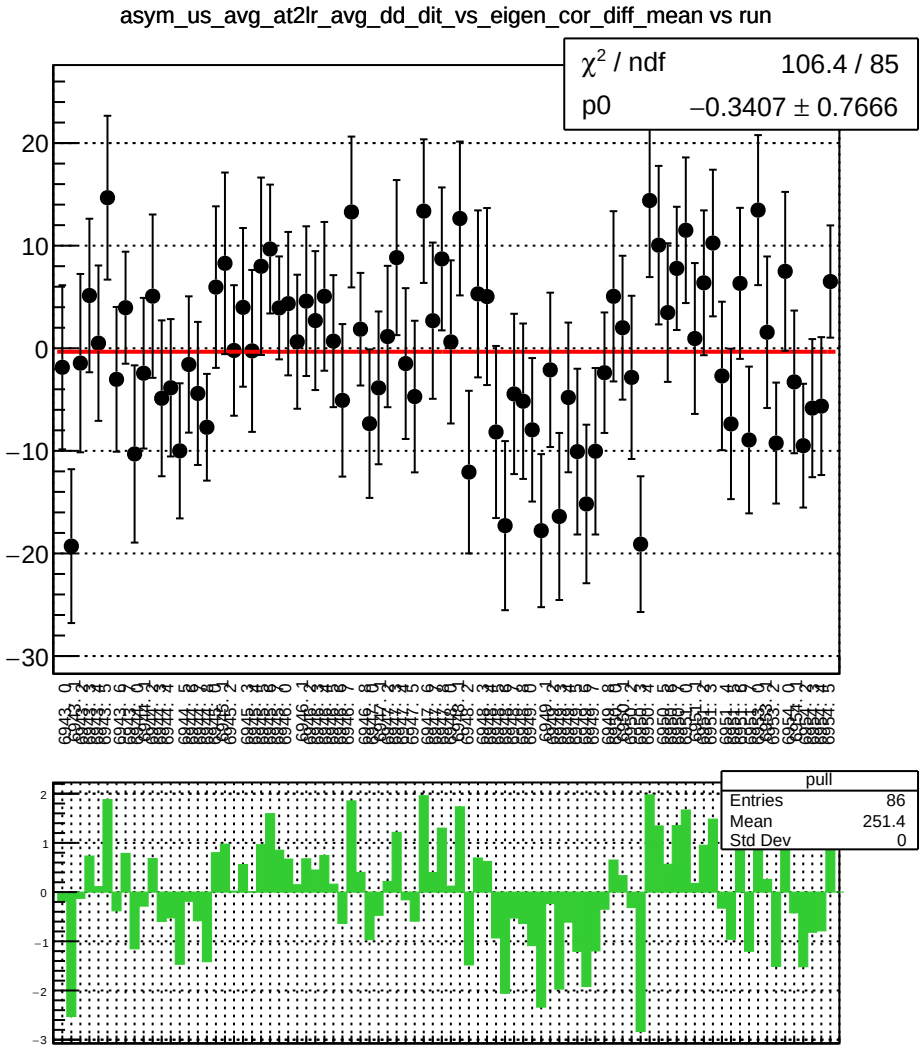

pull1D
Entries 86
Mean 0.299
Std Dev 0.9988
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

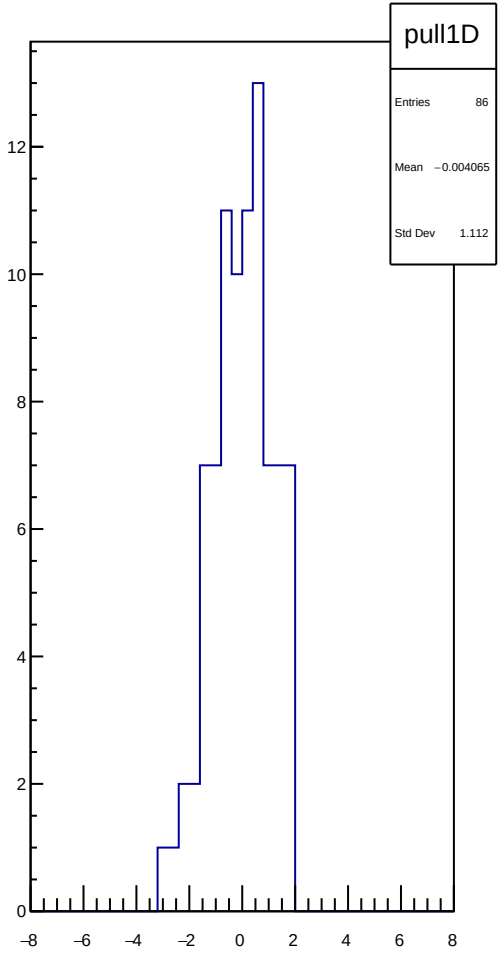

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.123e+06 / 85
p0 1.807e−10 ± 2.476e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

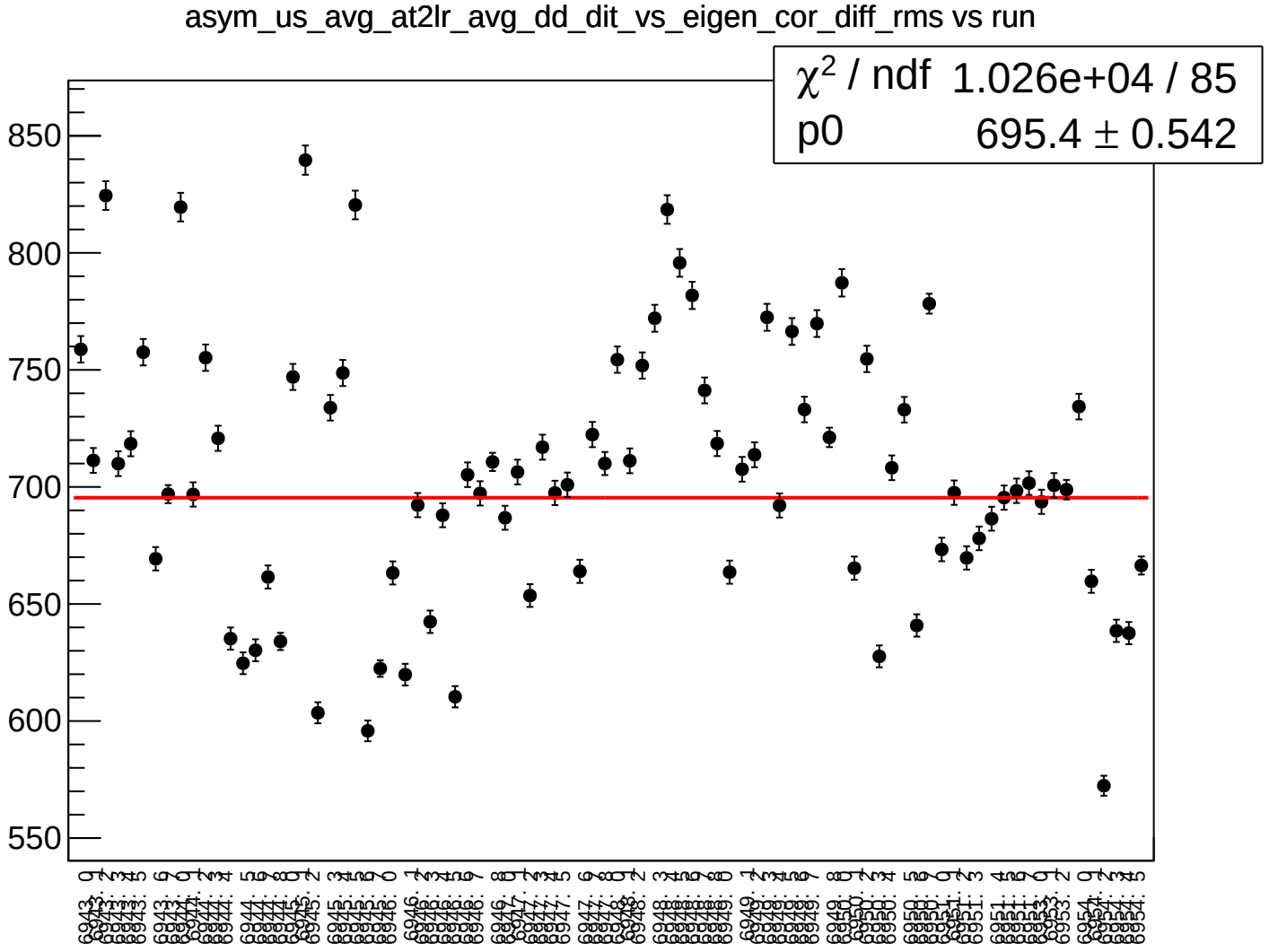

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 106.4 / 85
p0 −0.3407 ± 0.7666
pull
Entries 86
Mean 251.4
Std Dev 0

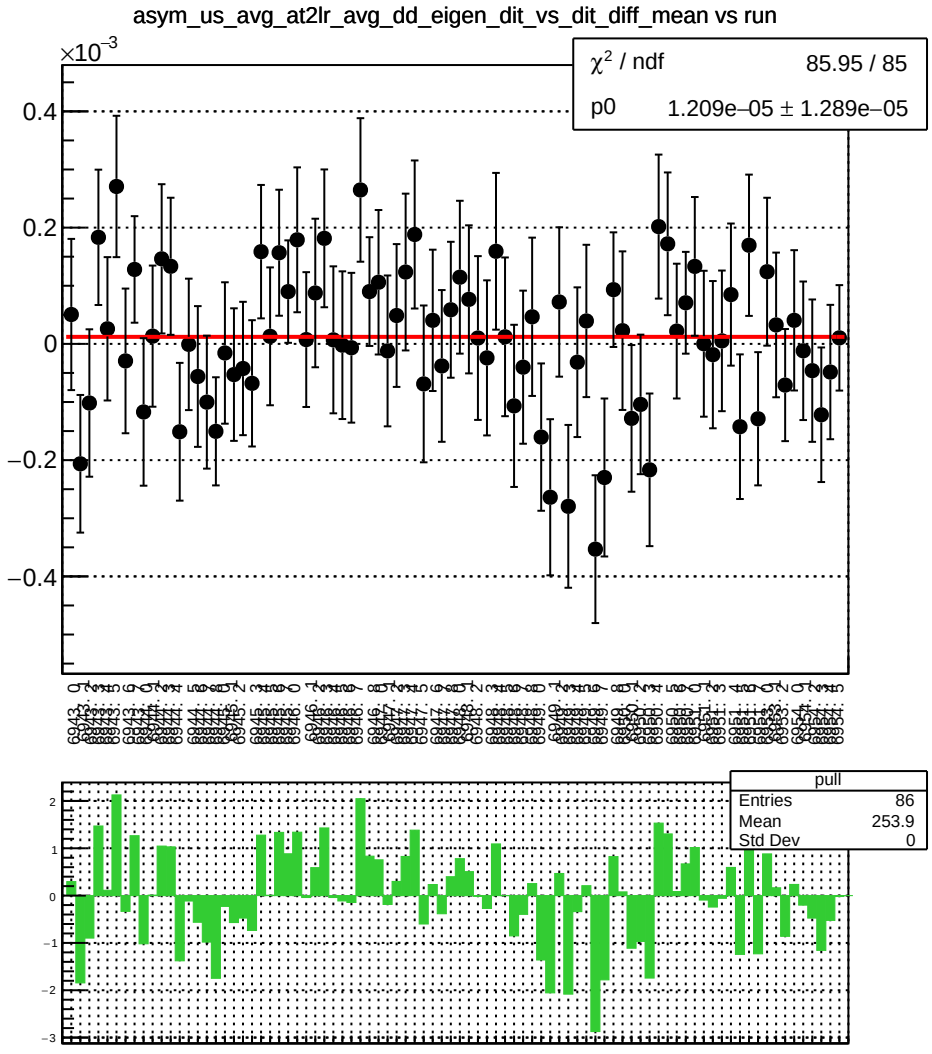

pull1D
Entries 86
Mean −0.004065
Std Dev 1.112

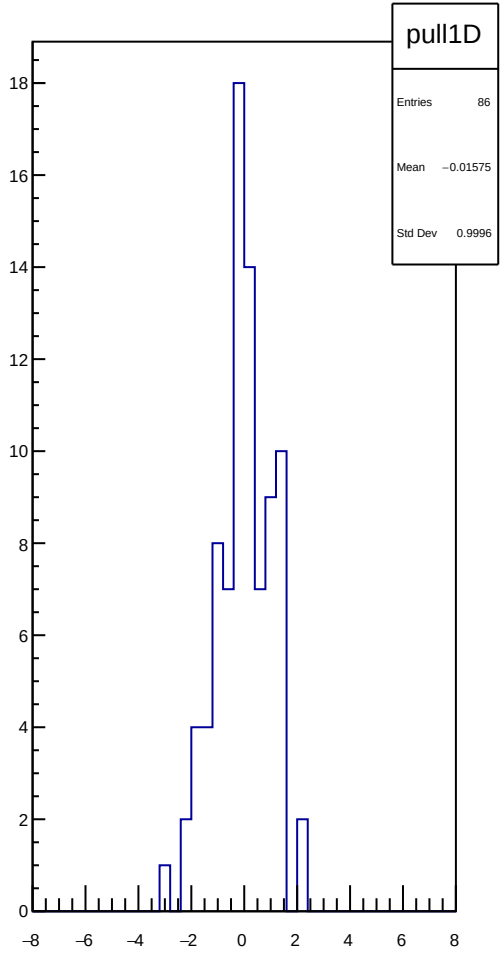

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.026e+04 / 85
p0 695.4 ± 0.542
850
800
750
700
650
600
550

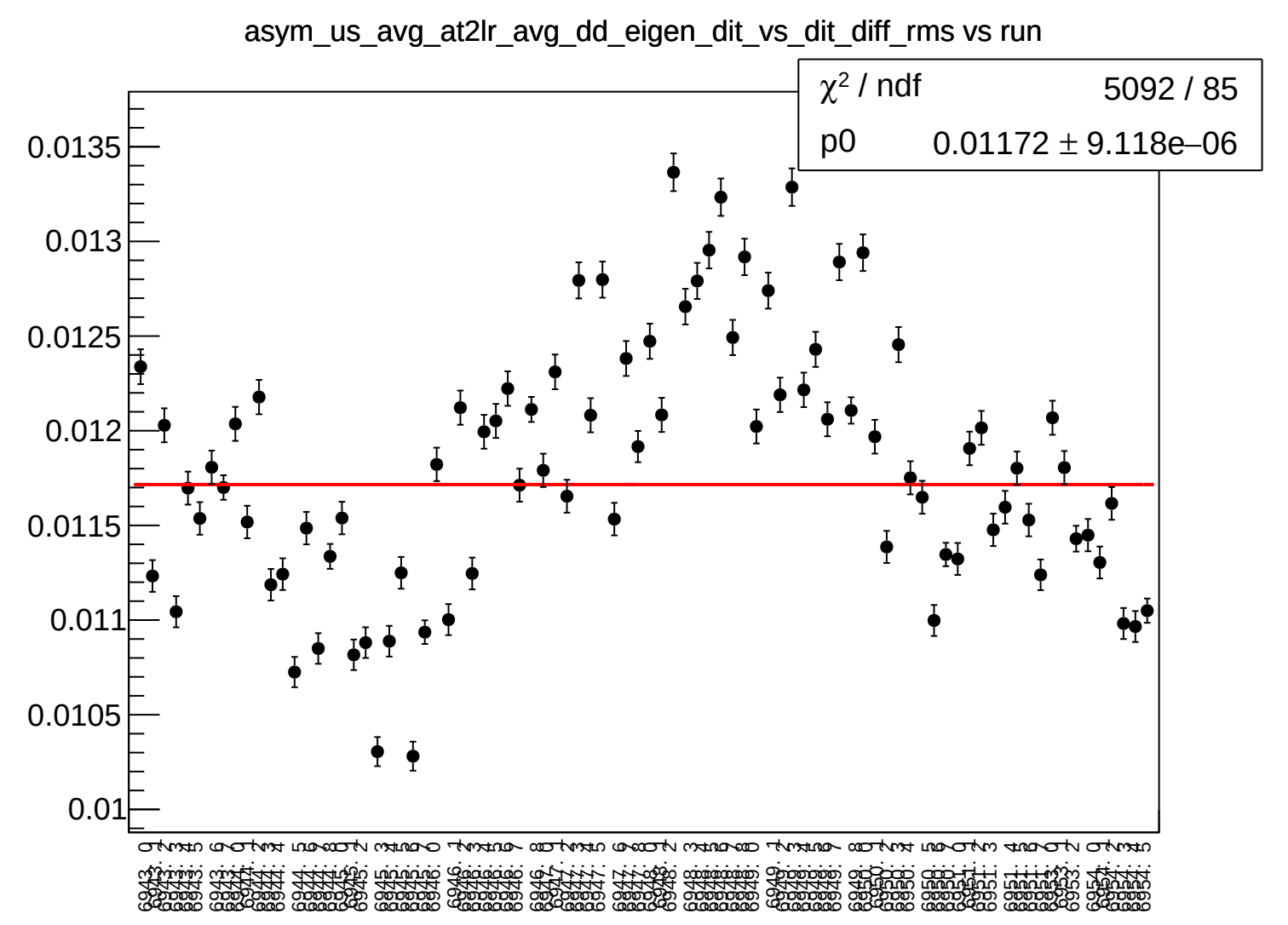

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.4 / 85
p0 −0.3407 ± 0.7666
pull
Entries 86
Mean 251.4
Std Dev 0

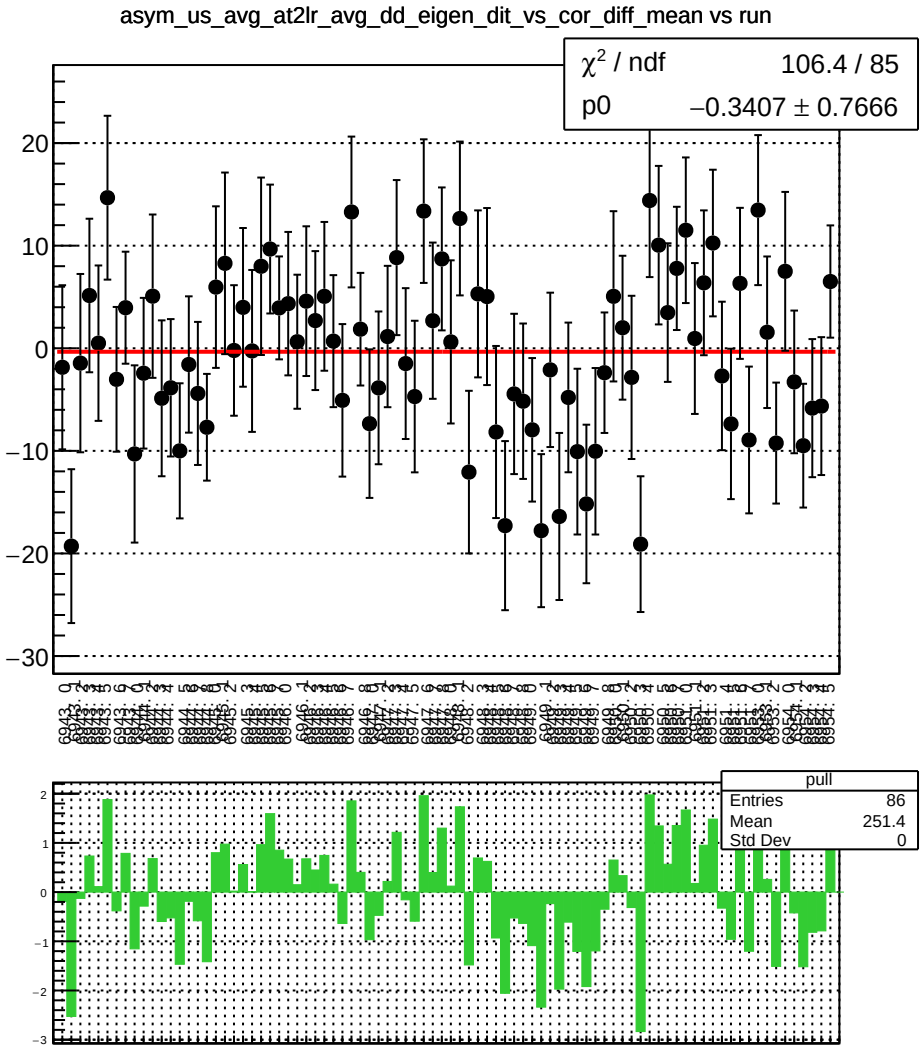

pull1D
Entries 86
Mean −0.004065
Std Dev 1.112

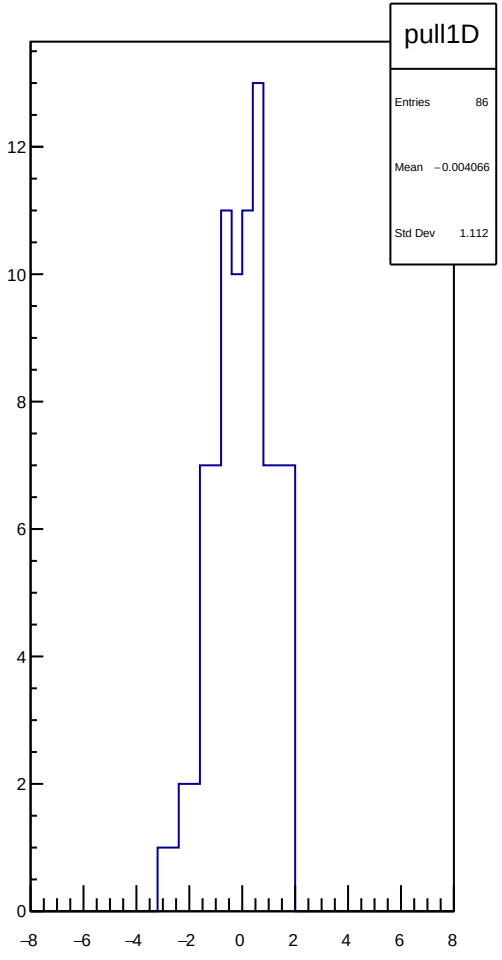

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.026e+04 / 85
p0 695.4 ± 0.542
850
800
750
700
650
600
550

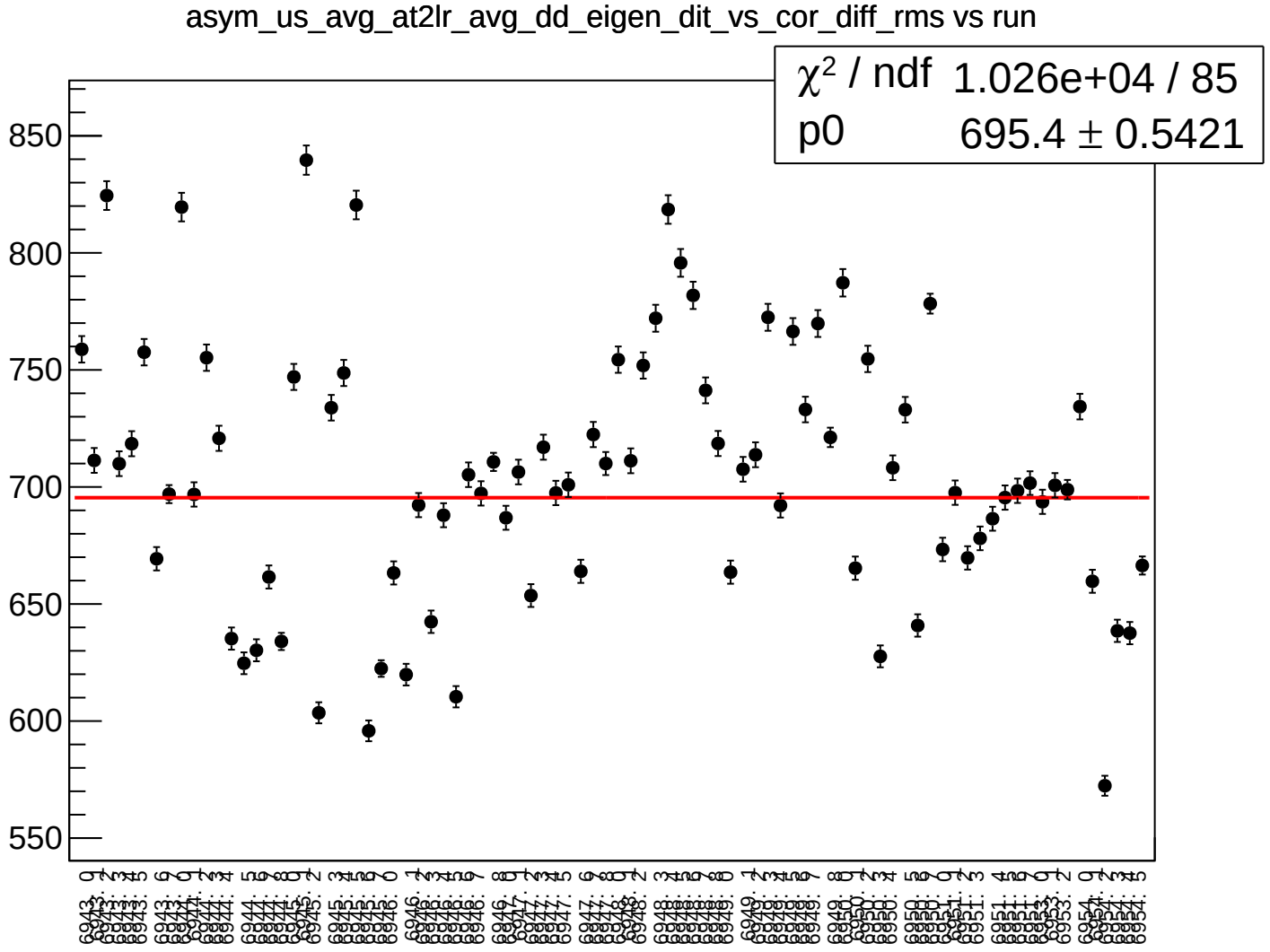

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.95 / 85
p0 1.209e−05 ± 1.289e−05
pull
Entries 86
Mean 253.9
Std Dev 0

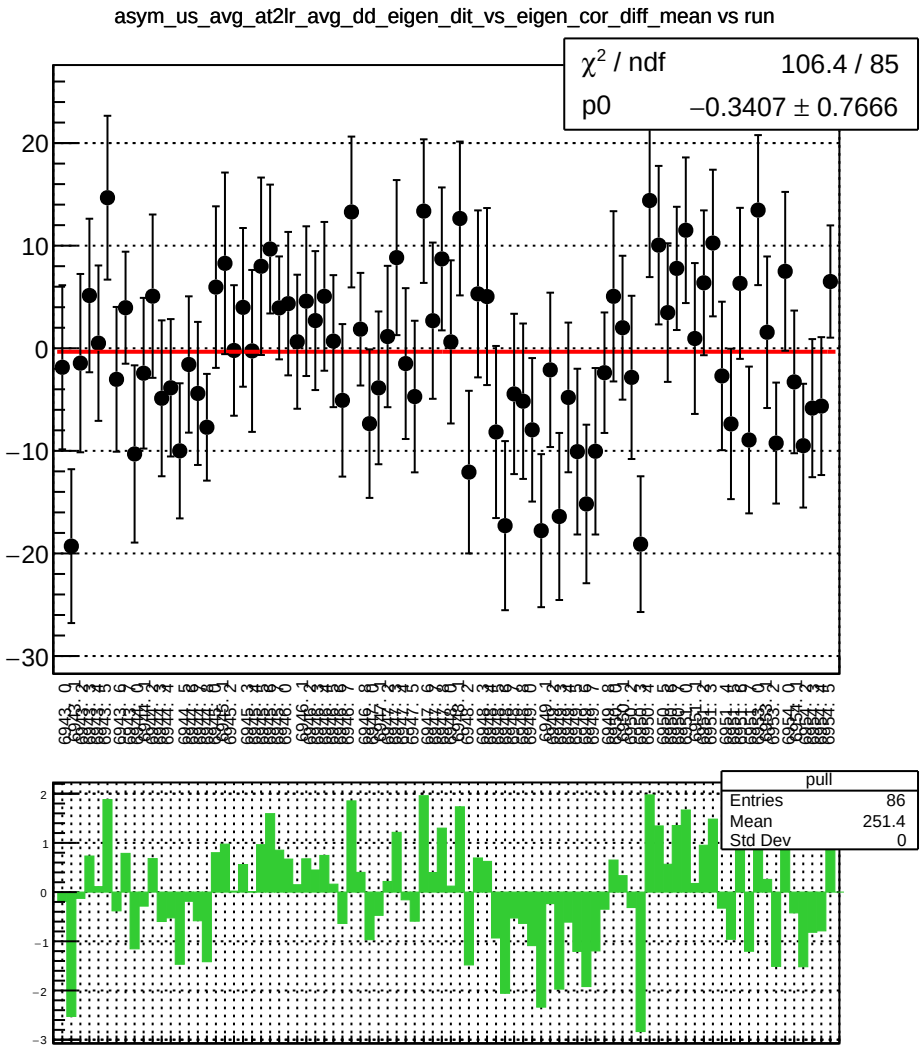

pull1D
Entries 86
Mean −0.01575
Std Dev 0.9996

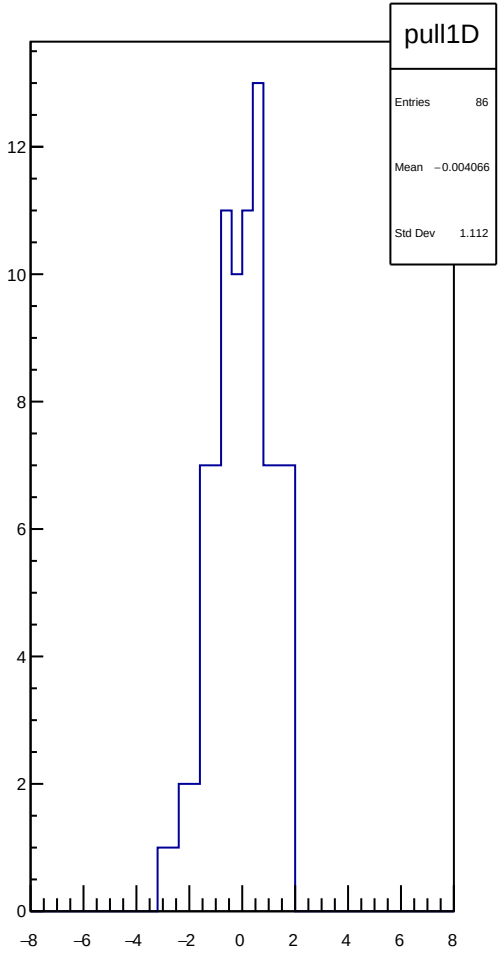

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5092 / 85
p0 0.01172 ± 9.118e−06
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

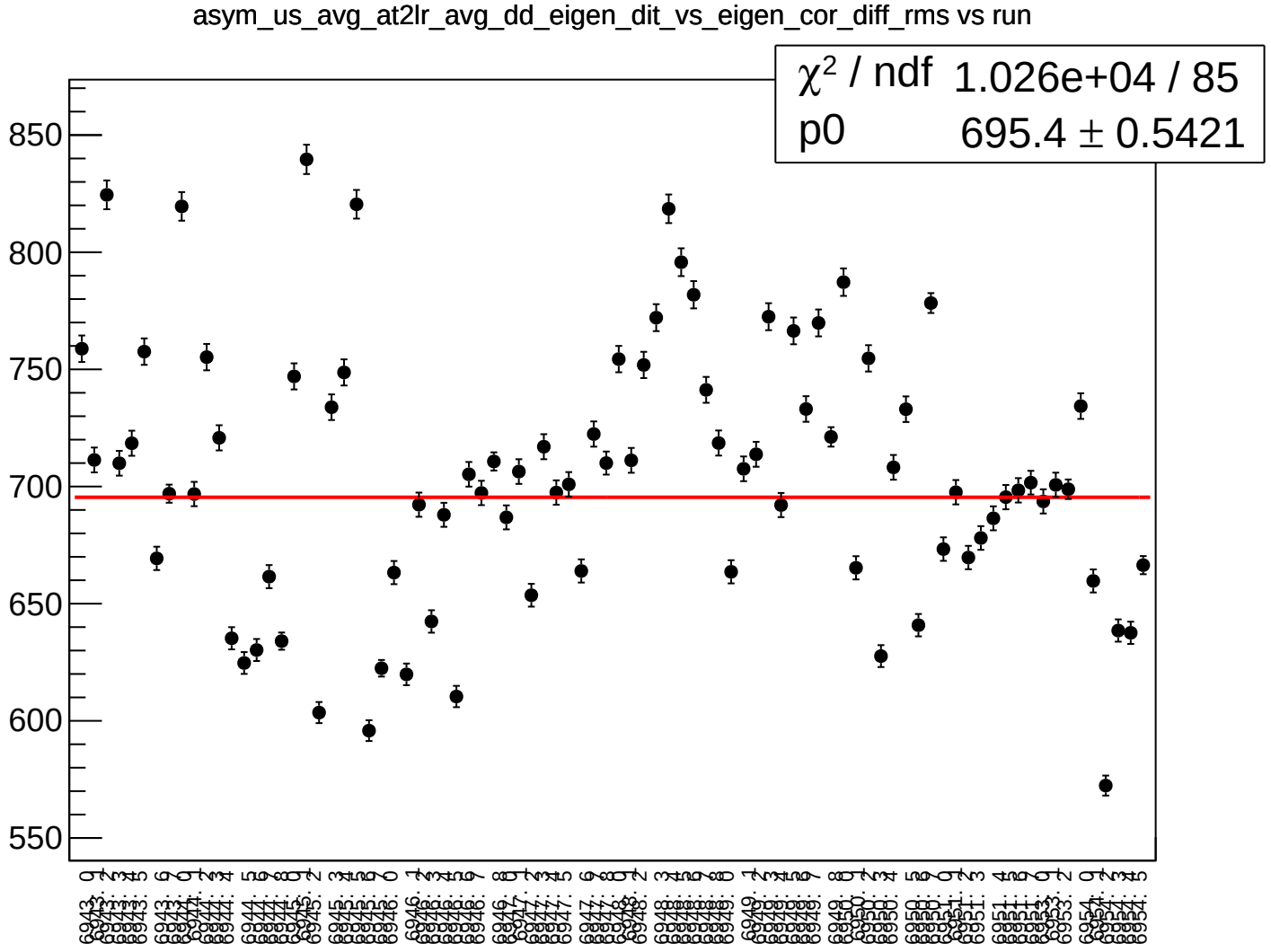

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.4 / 85
p0 −0.3407 ± 0.7666
pull
Entries 86
Mean 251.4
Std Dev 0

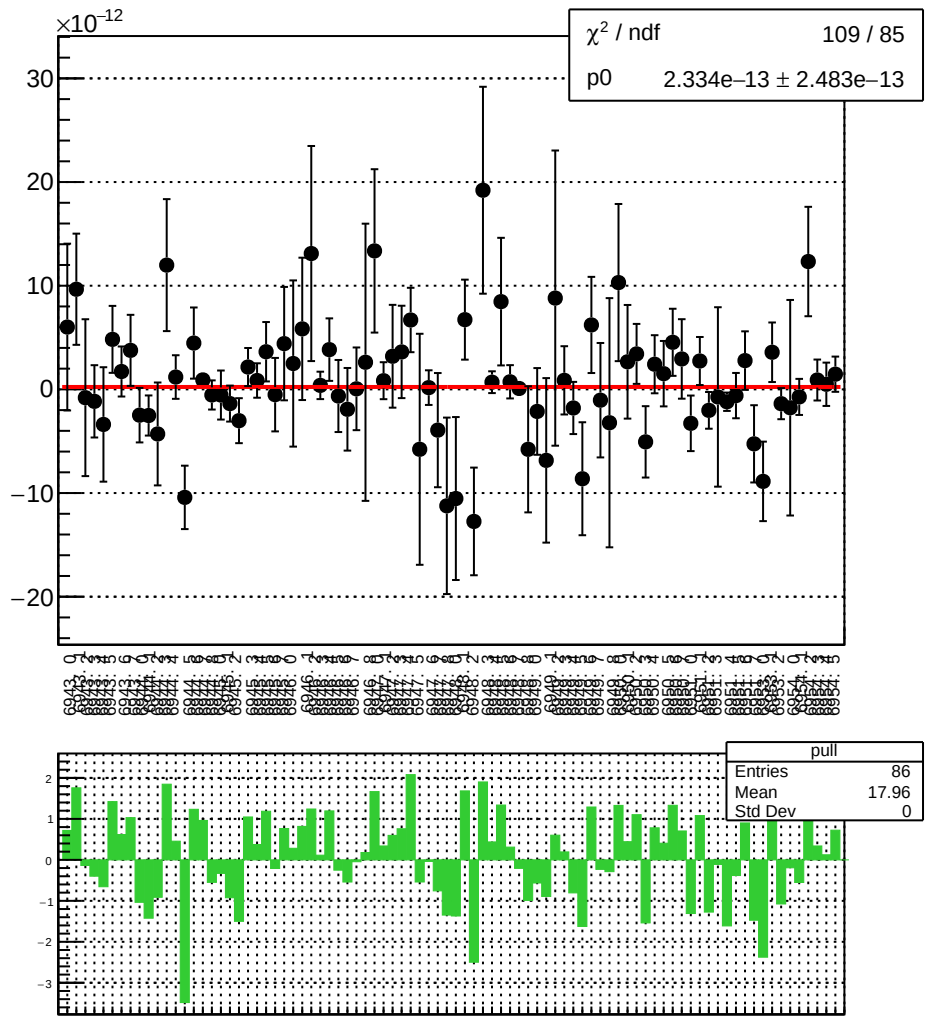

pull1D
Entries 86
Mean −0.004066
Std Dev 1.112

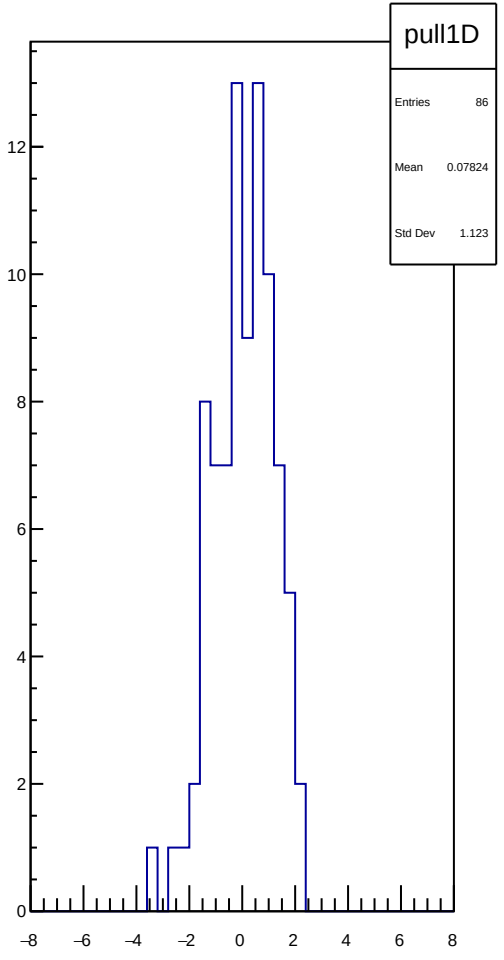

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.026e+04 / 85
p0 695.4 ± 0.5421
850
800
750
700
650
600
550

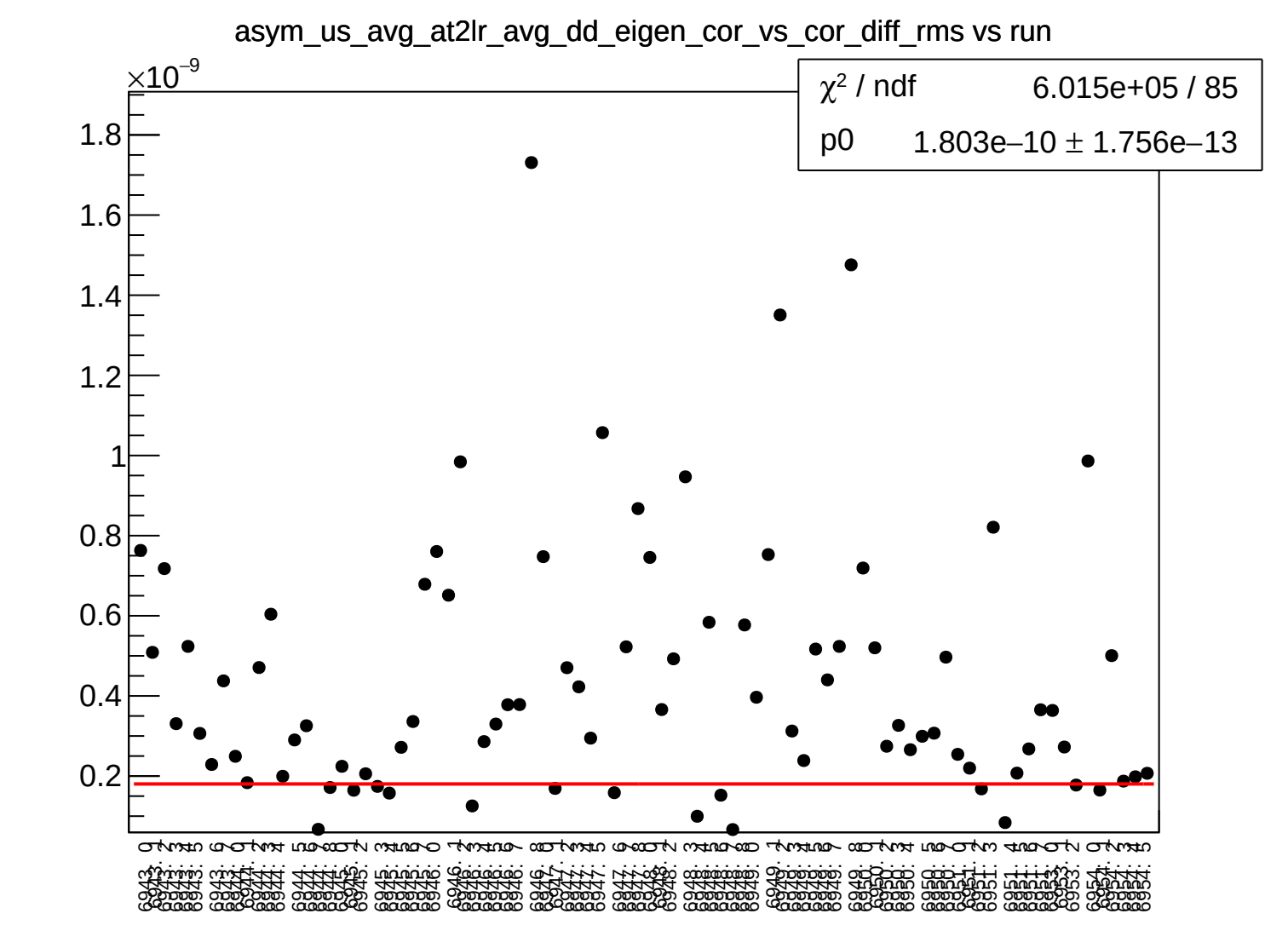

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.4 / 85
p0 −0.3407 ± 0.7666
pull
Entries 86
Mean 251.4
Std Dev 0

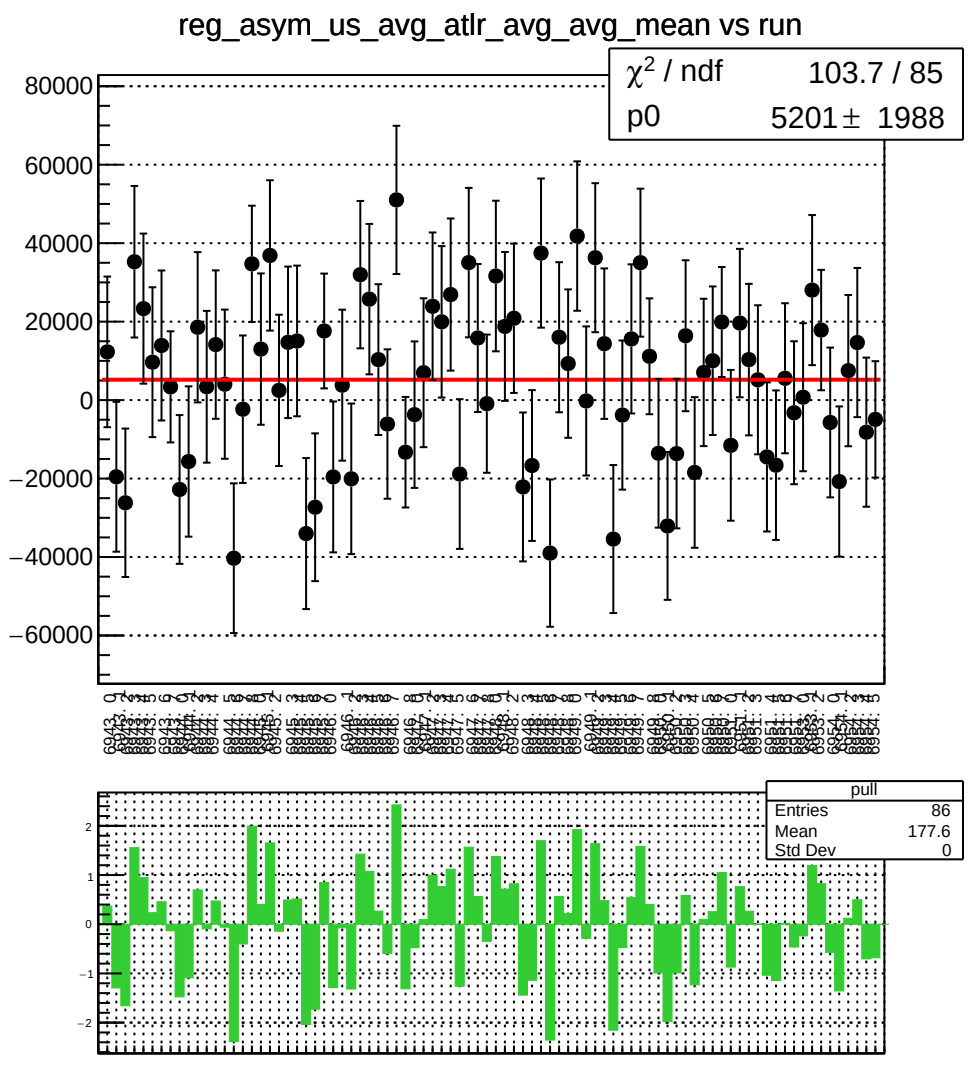

pull1D
Entries 86
Mean −0.004066
Std Dev 1.112

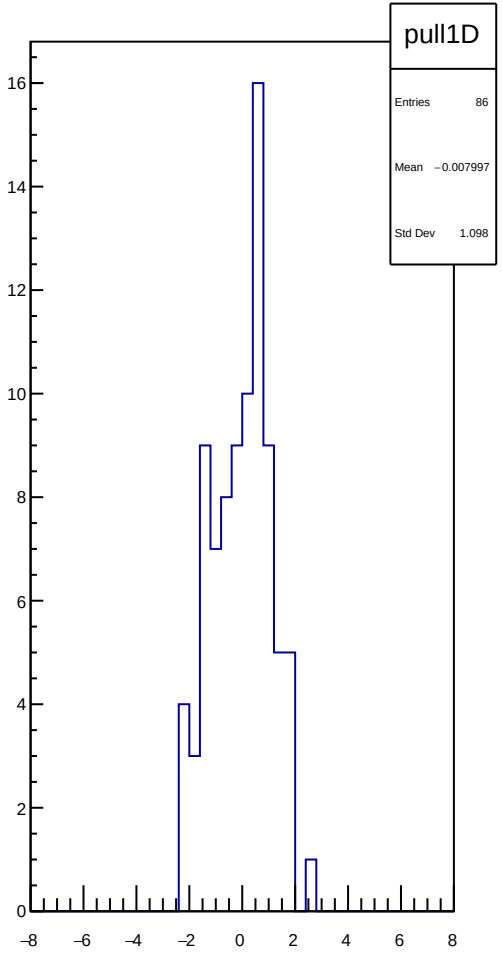

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.026e+04 / 85
p0 695.4 ± 0.5421
850
800
750
700
650
600
550

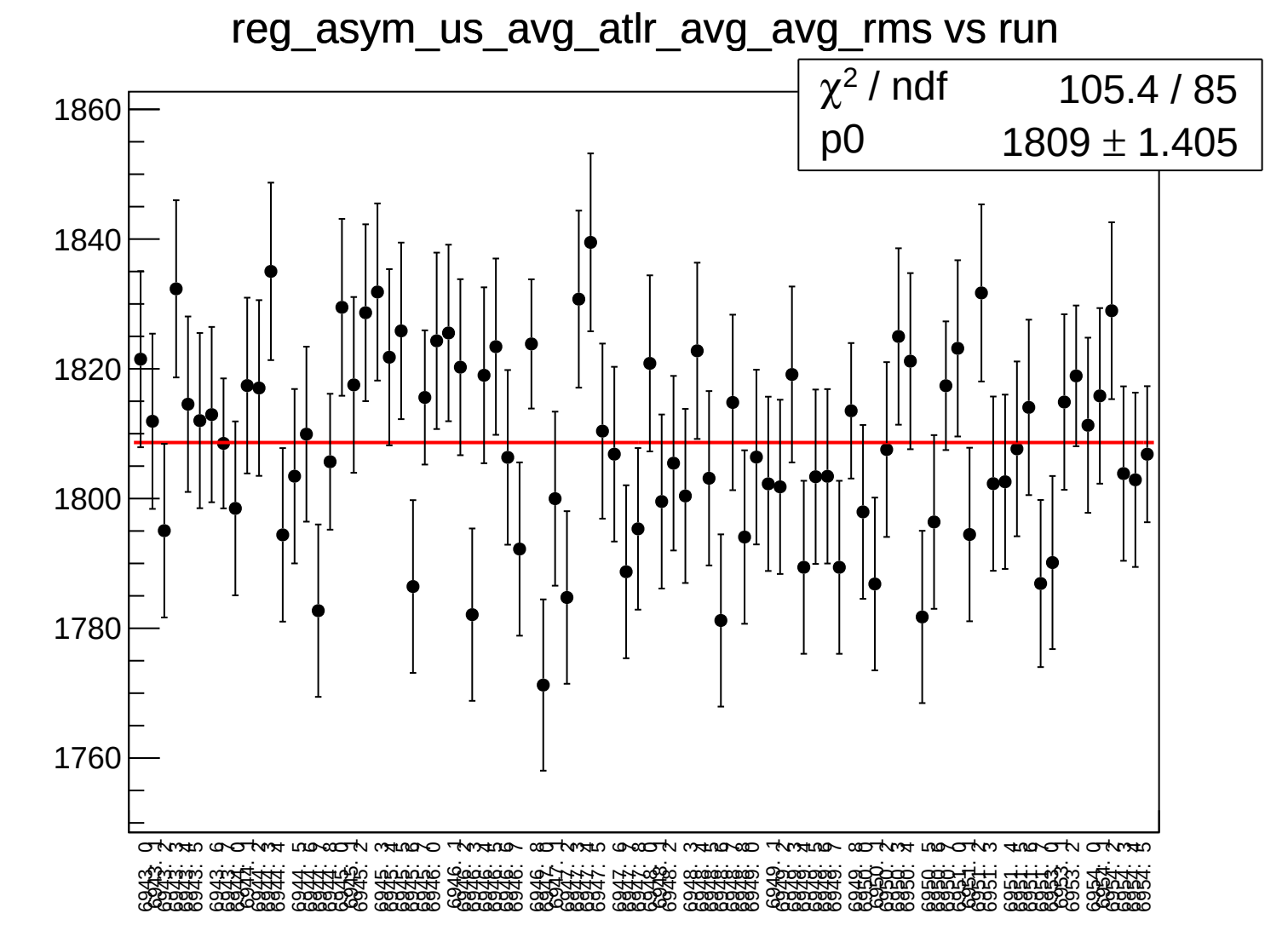

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109 / 85
p0 2.334e−13 ± 2.483e−13
30
20
10
0
−10
−20
pull
Entries 86
Mean 17.96
Std Dev 0
2
1
0
−1
−2
−3

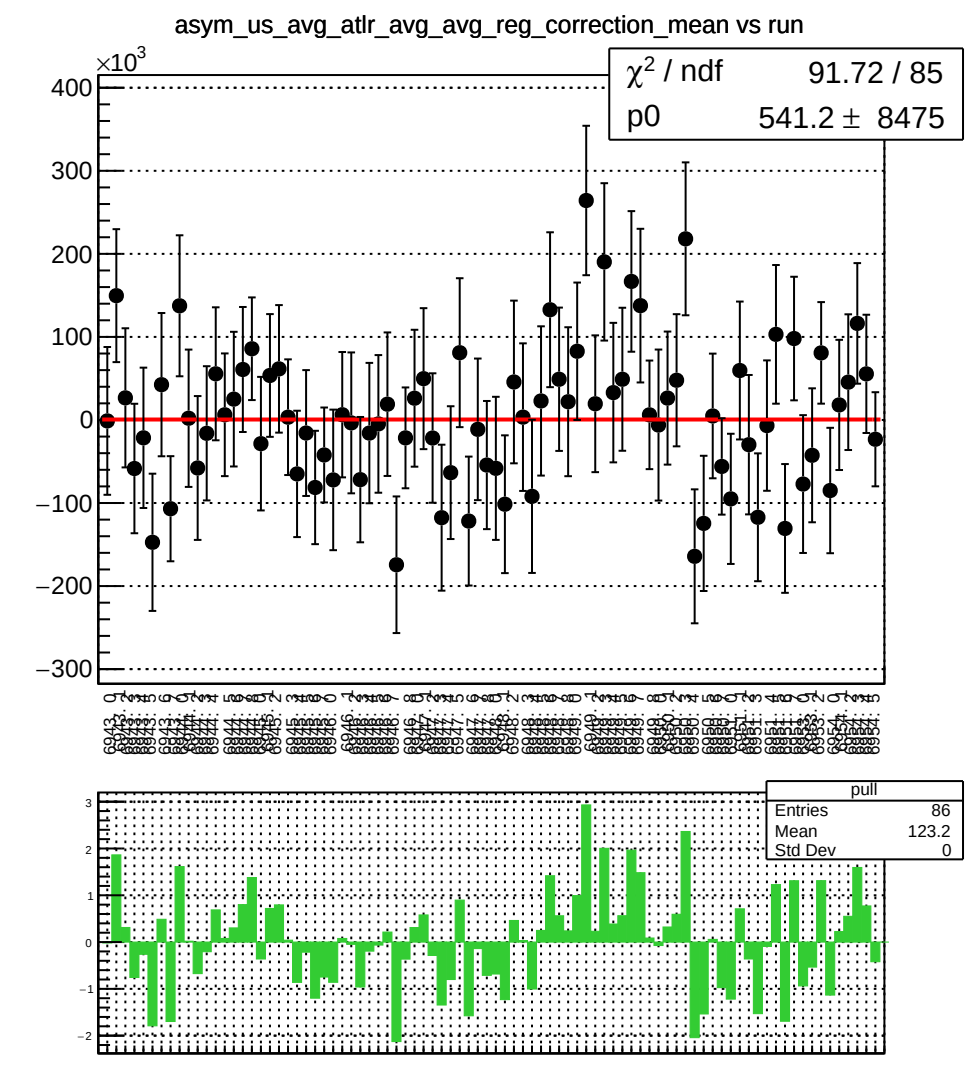

pull1D
Entries 86
Mean 0.07824
Std Dev 1.123
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

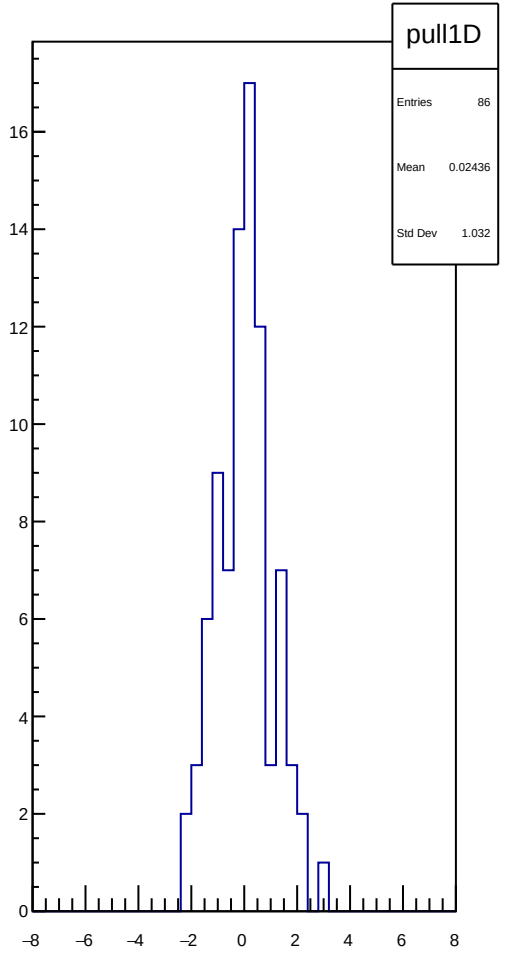

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.015e+05 / 85
p0 1.803e−10 ± 1.756e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

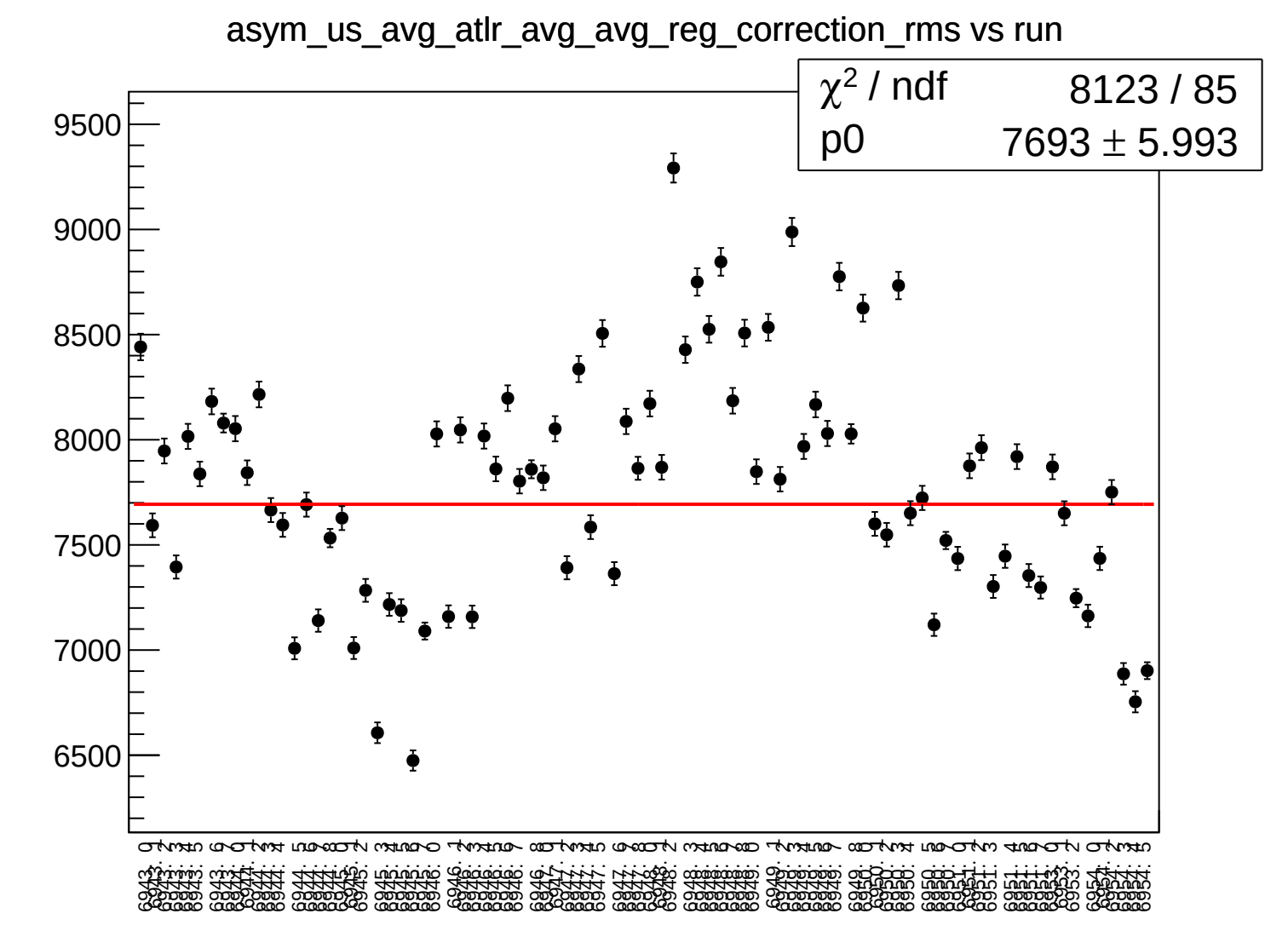

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 103.7 / 85
p0 5201 ± 1988
pull
Entries 86
Mean 177.6
Std Dev 0

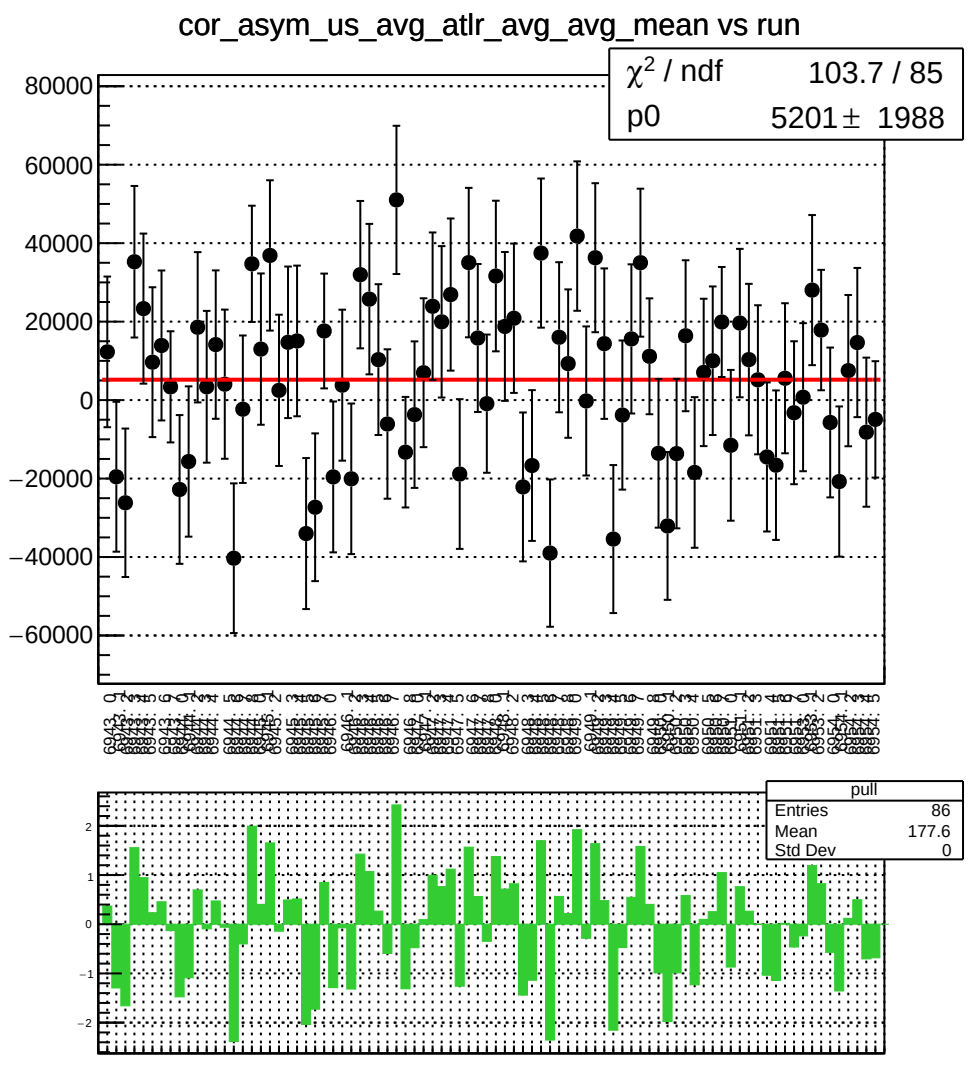

pull1D
Entries 86
Mean −0.007997
Std Dev 1.098

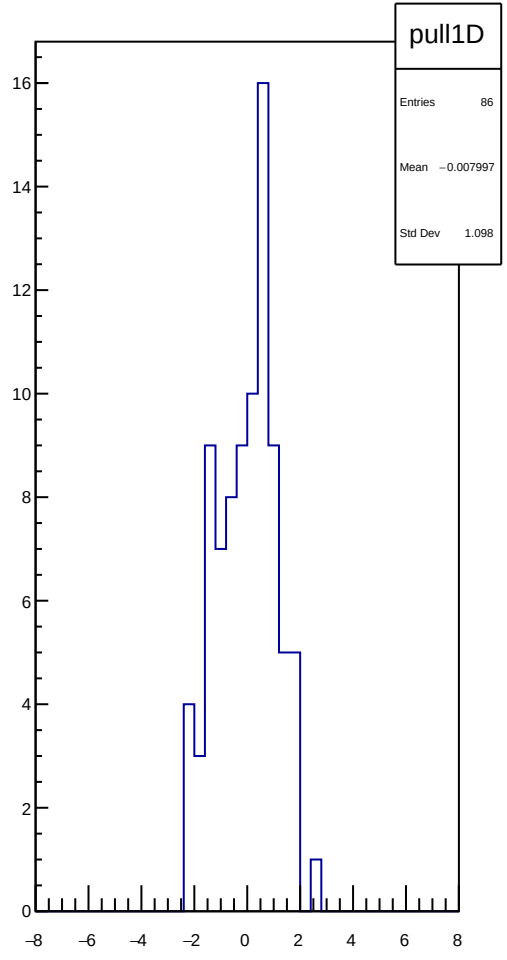

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 105.4 / 85
p0 1809 ± 1.405
1860
1840
1820
1800
1780
1760

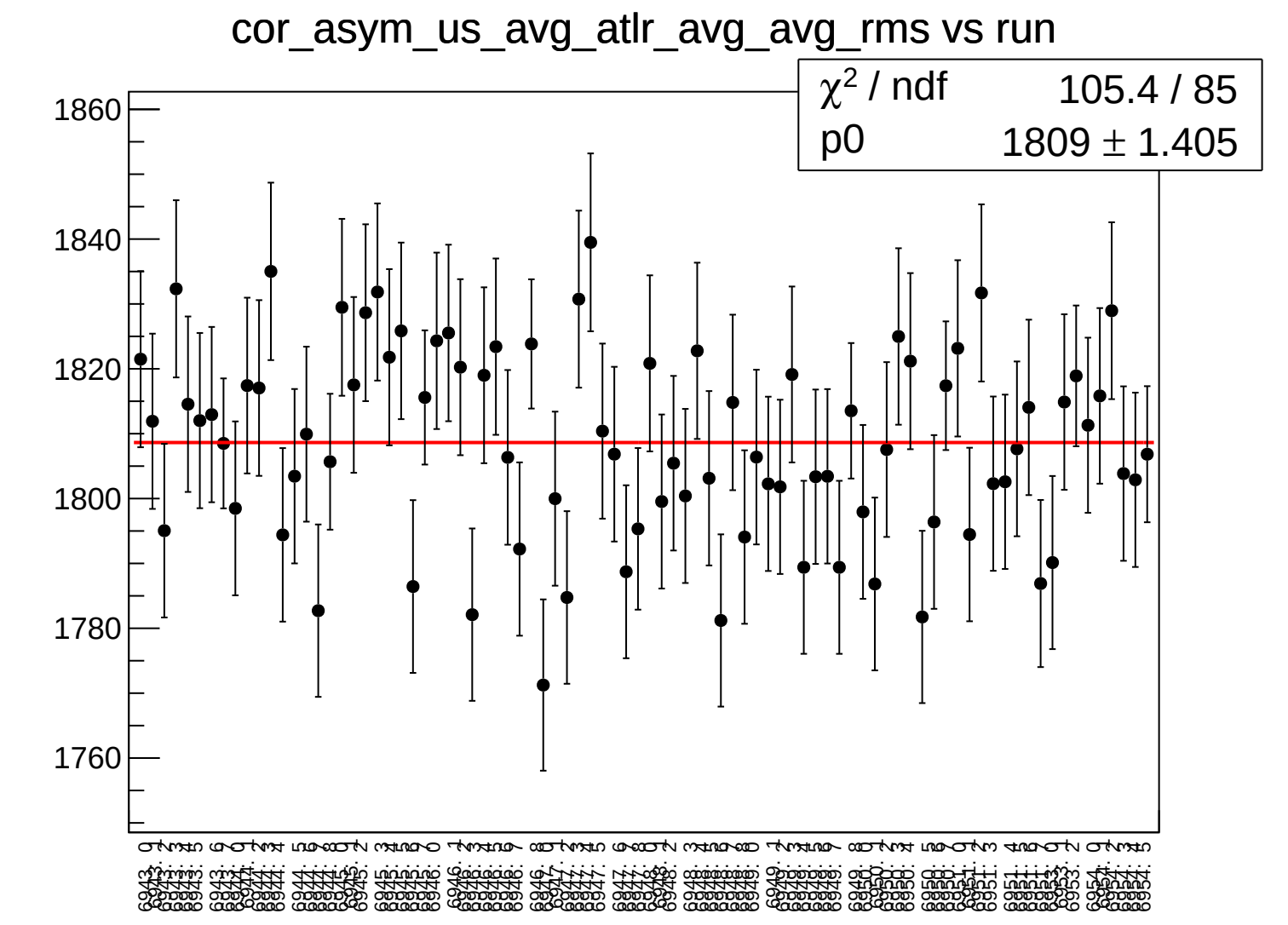

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 91.72 / 85
p0 541.2 ± 8475
pull
Entries 86
Mean 123.2
Std Dev 0

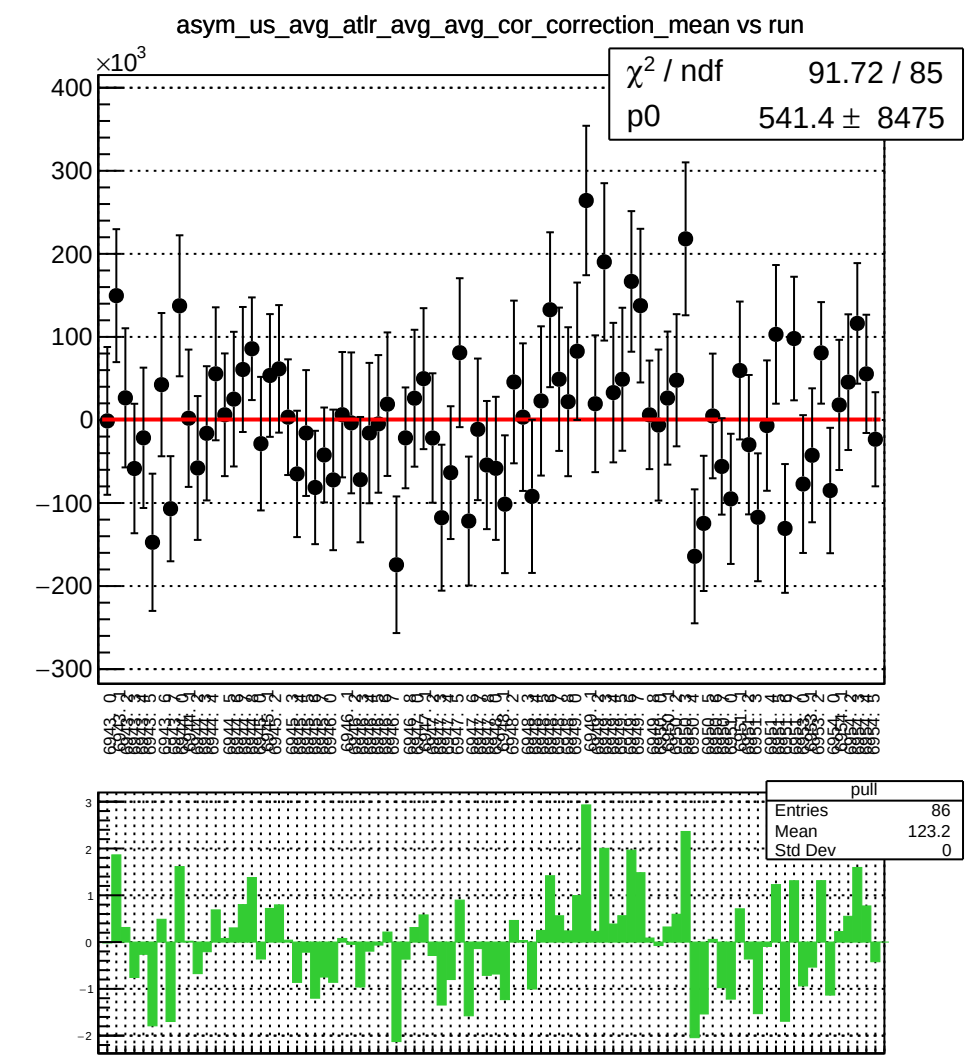

pull1D
Entries 86
Mean 0.02436
Std Dev 1.032

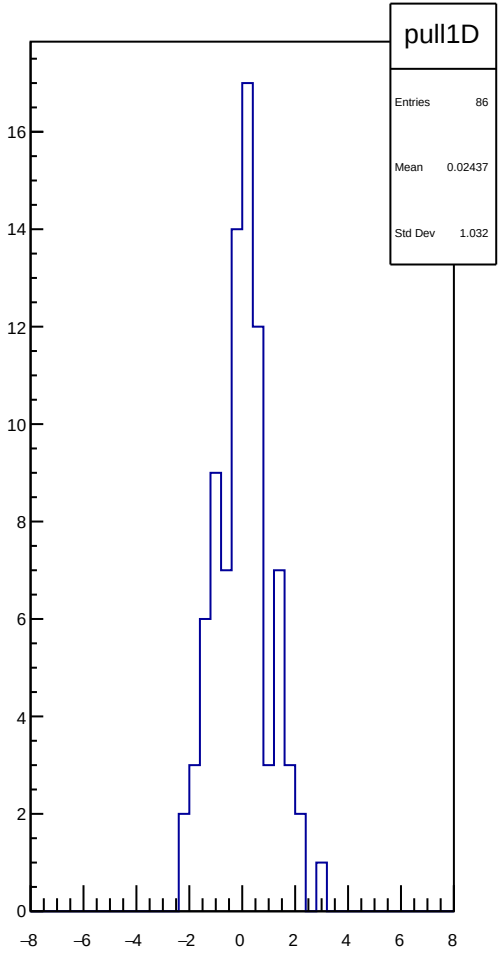

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 8123 / 85
p0 7693 ± 5.993
9500
9000
8500
8000
7500
7000
6500

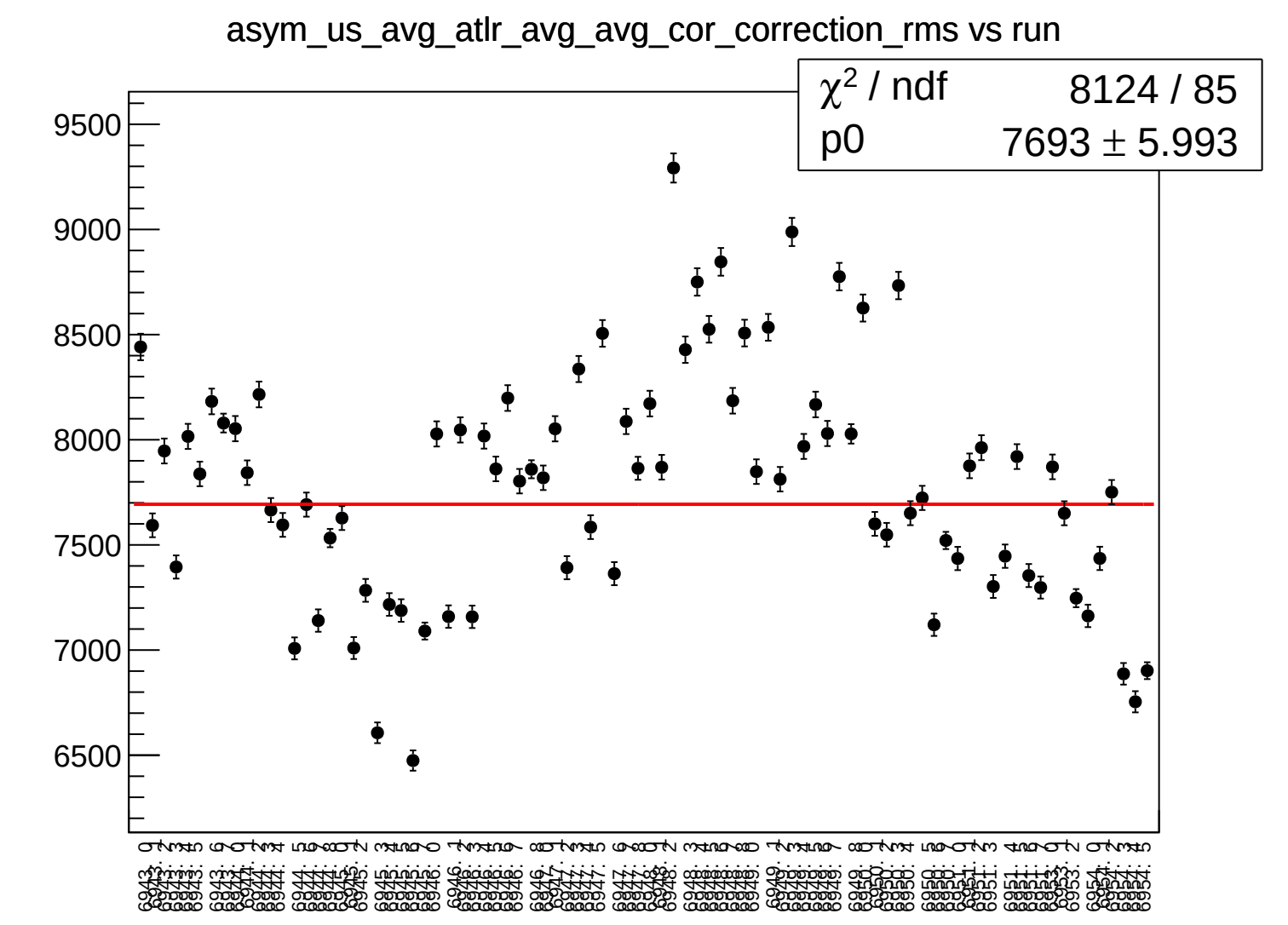

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 103.7 / 85
p0 5201 ± 1988
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 177.6
Std Dev 0
2
1
0
−1
−2

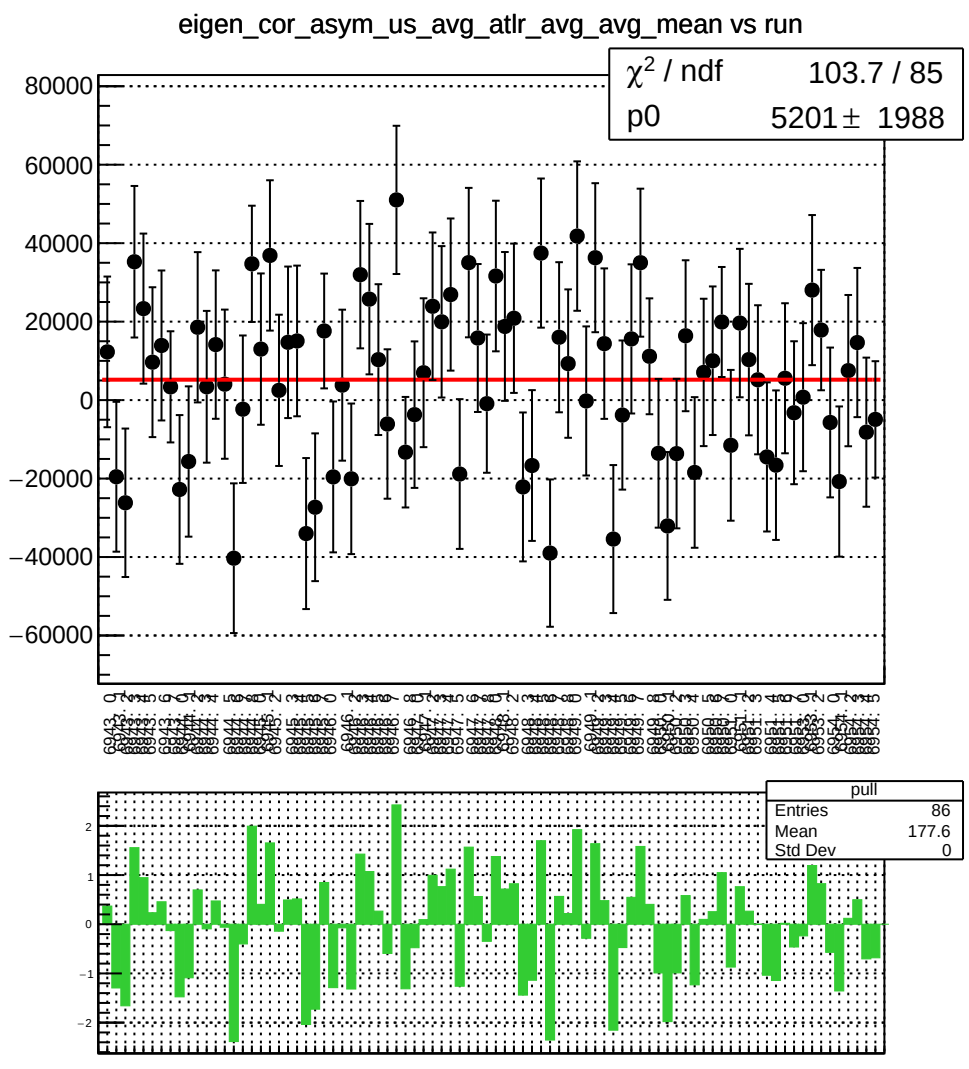

pull1D
Entries 86
Mean −0.007997
Std Dev 1.098
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

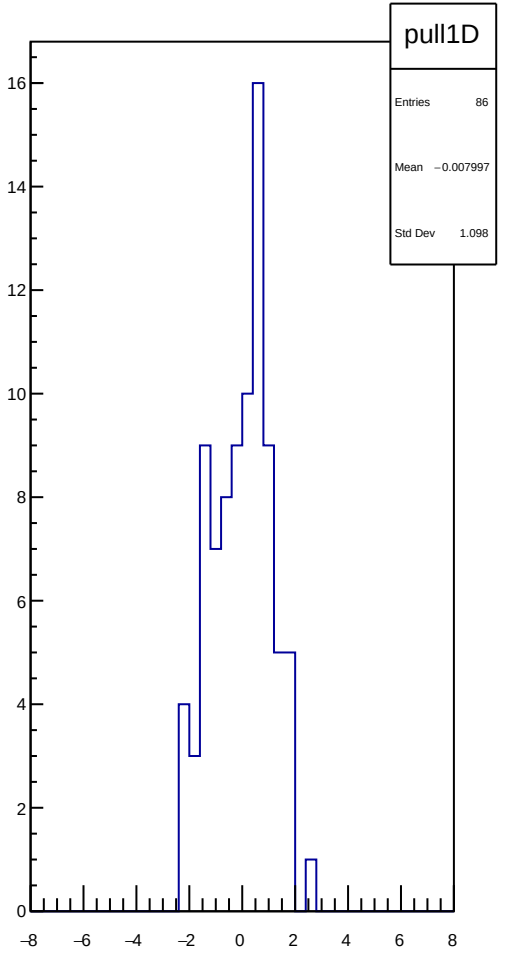

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 105.4 / 85
p0 1809 ± 1.405
1860
1840
1820
1800
1780
1760

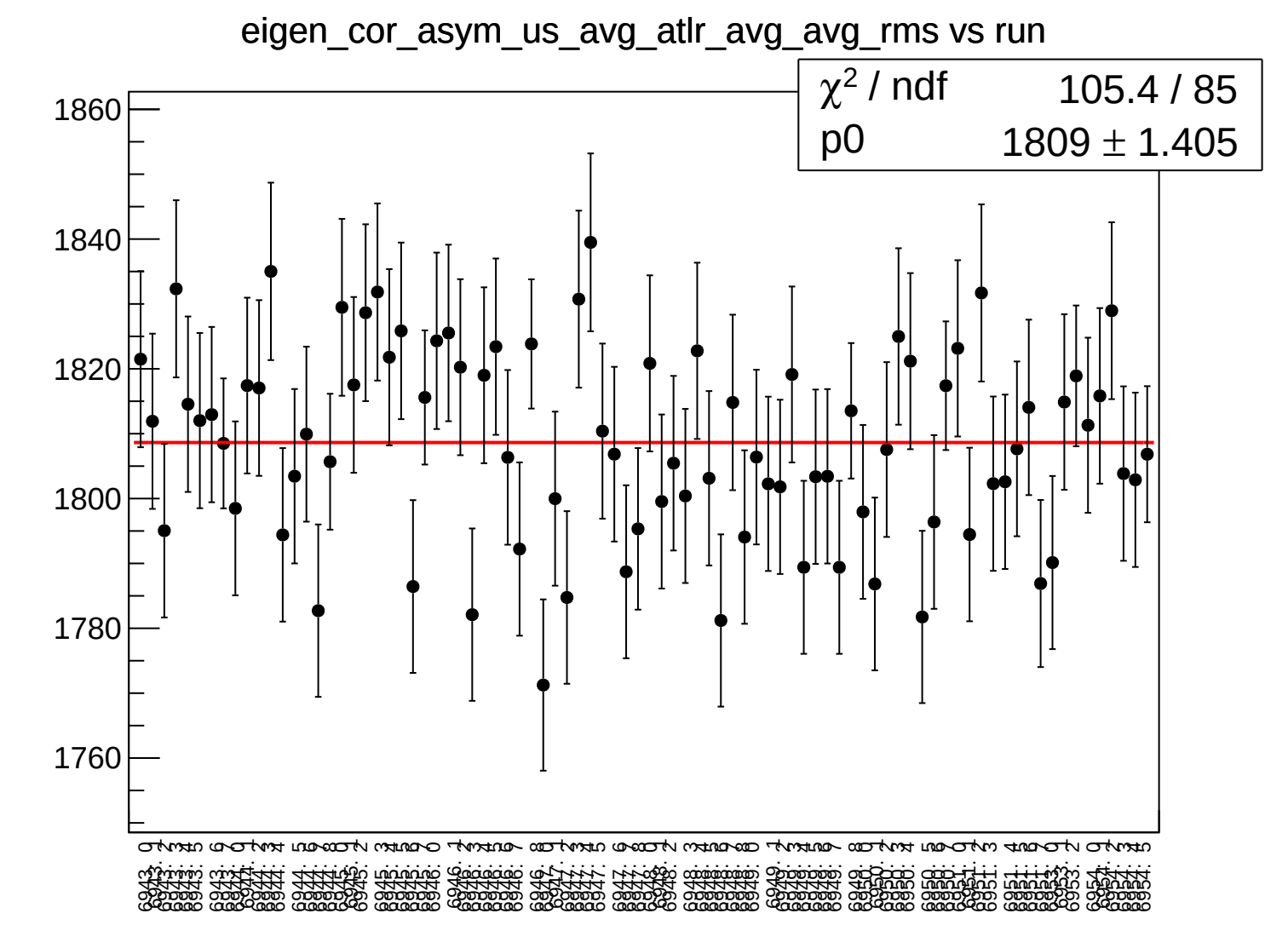

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 91.72 / 85
p0 541.4 ± 8475
pull
Entries 86
Mean 123.2
Std Dev 0

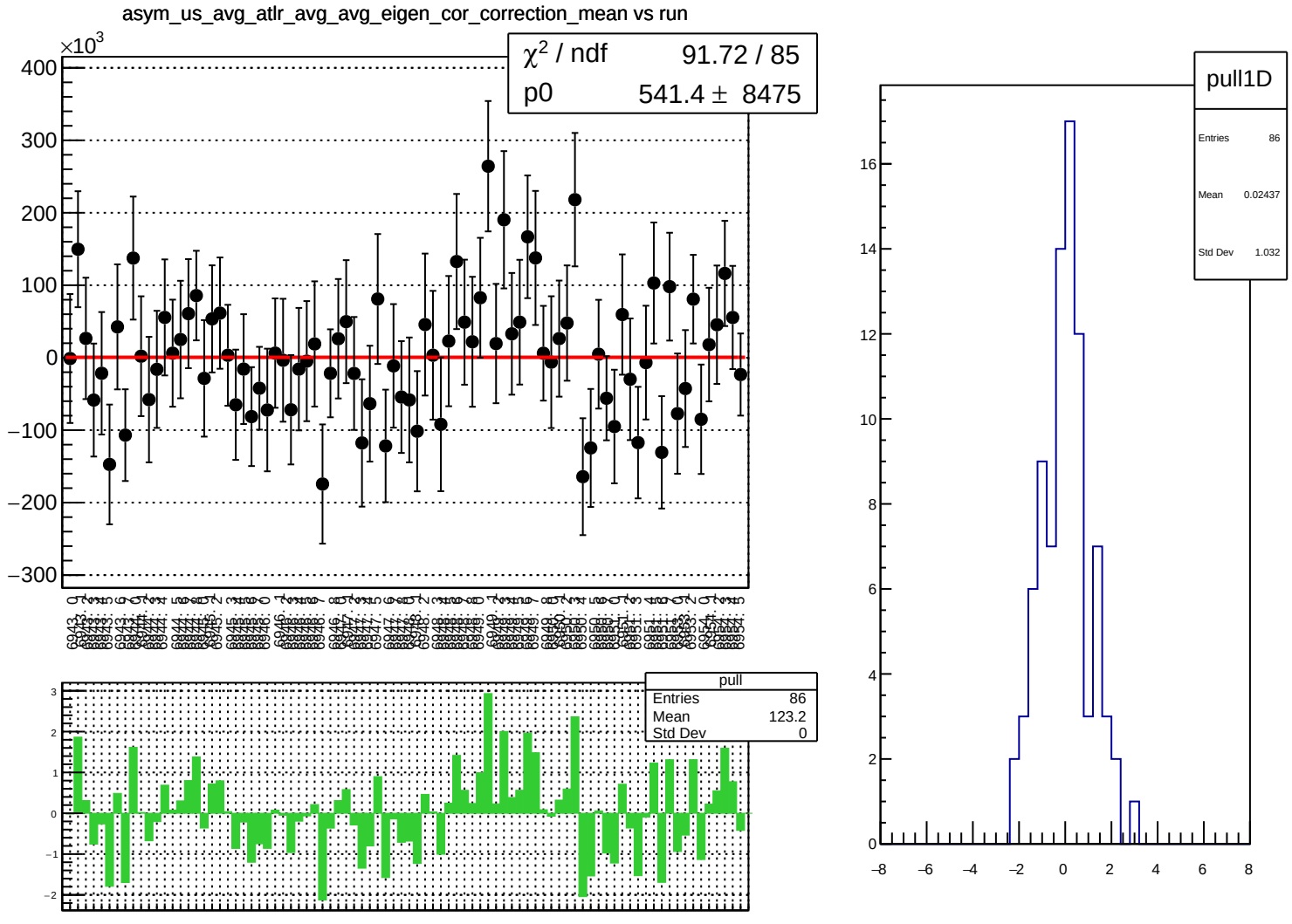

pull1D
Entries 86
Mean 0.02437
Std Dev 1.032

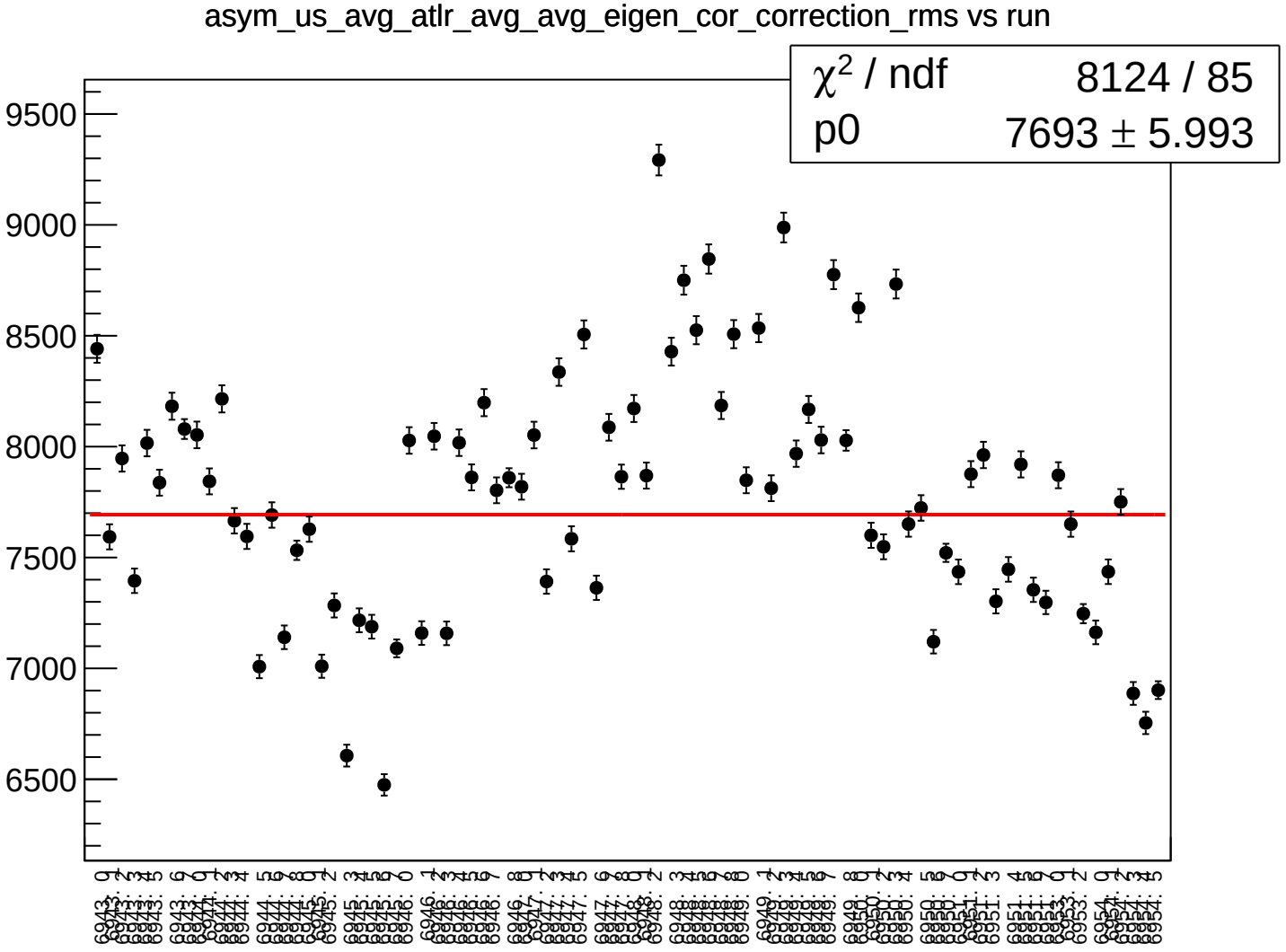

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 8124 / 85
p0 7693 ± 5.993
9500
9000
8500
8000
7500
7000
6500

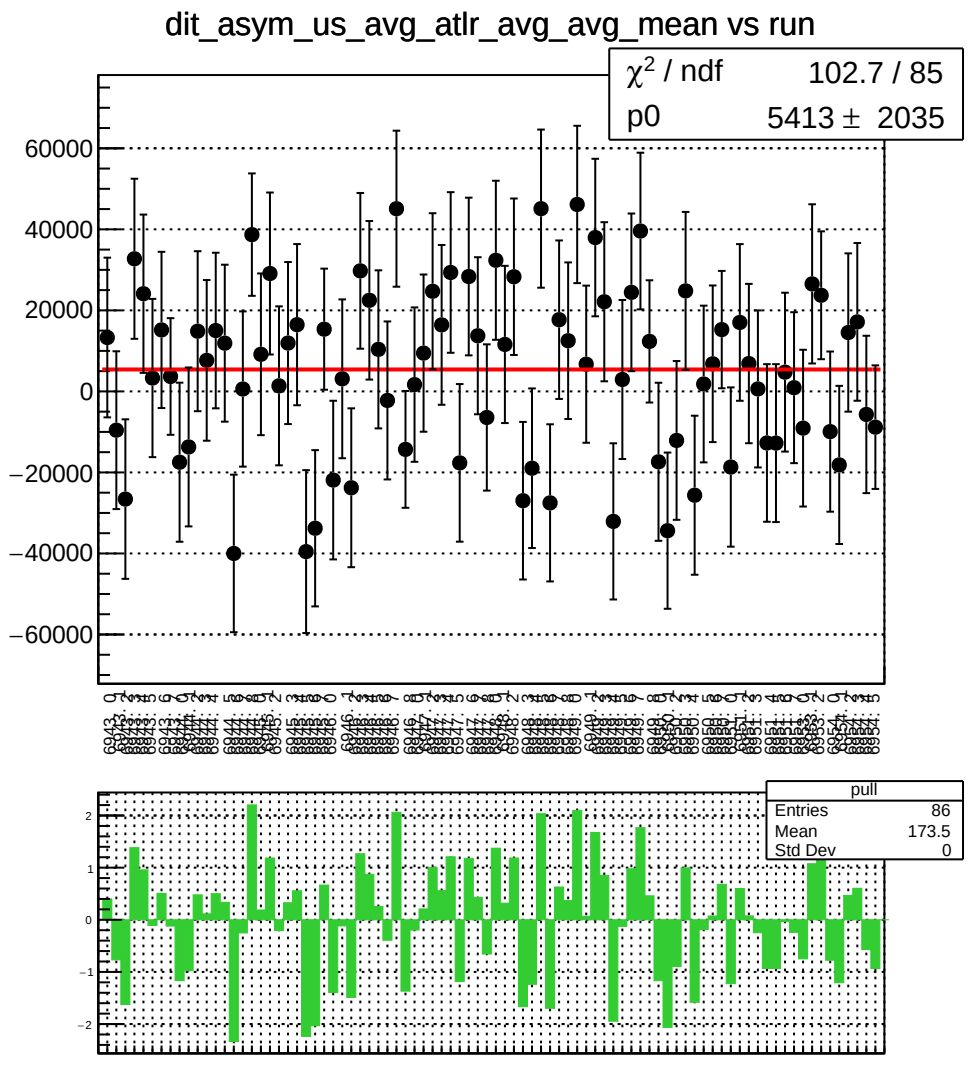

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 103.7 / 85
p0 5201 ± 1988
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 177.6
Std Dev 0
2
1
0
−1
−2

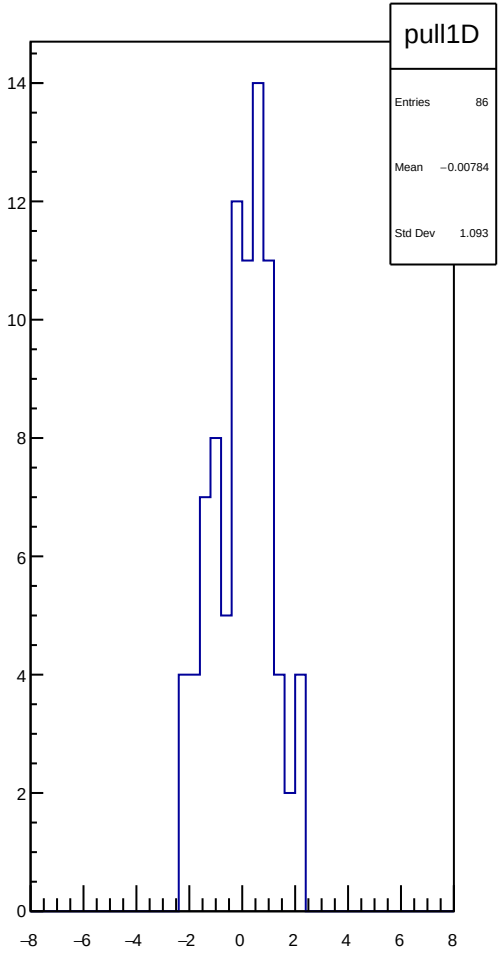

pull1D
Entries 86
Mean −0.007997
Std Dev 1.098
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

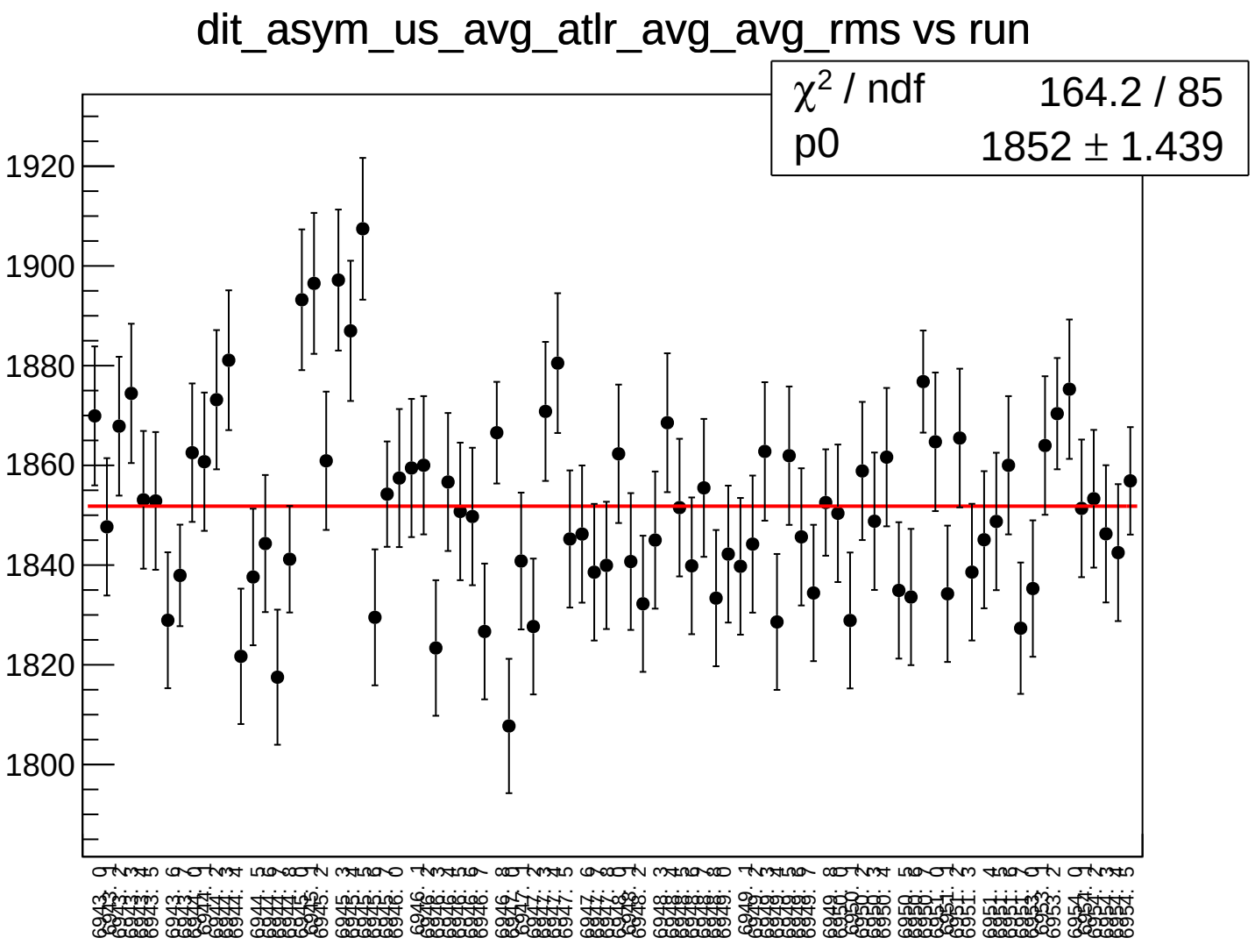

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 105.4 / 85
p0 1809 ± 1.405
1860
1840
1820
1800
1780
1760

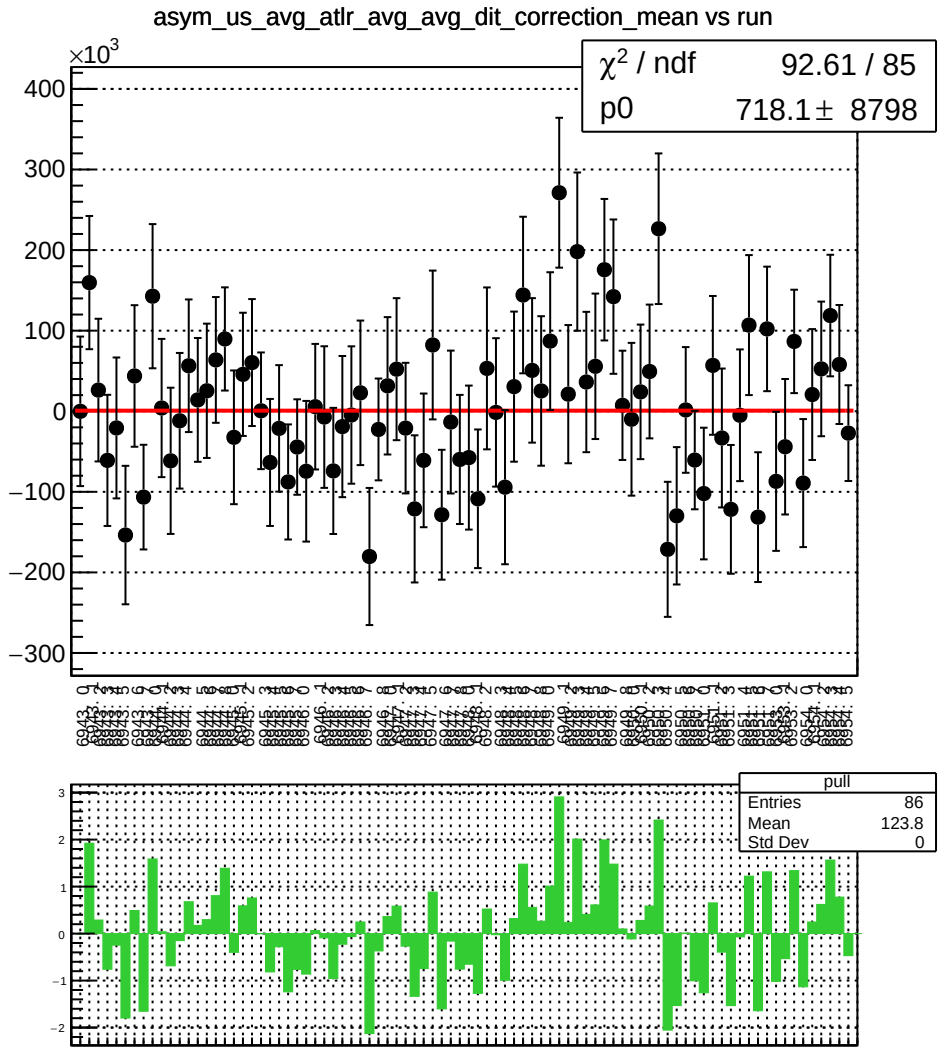

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 91.72 / 85
p0 541.4 ± 8475
pull
Entries 86
Mean 123.2
Std Dev 0
pull1D
Entries 86
Mean 0.02437
Std Dev 1.032

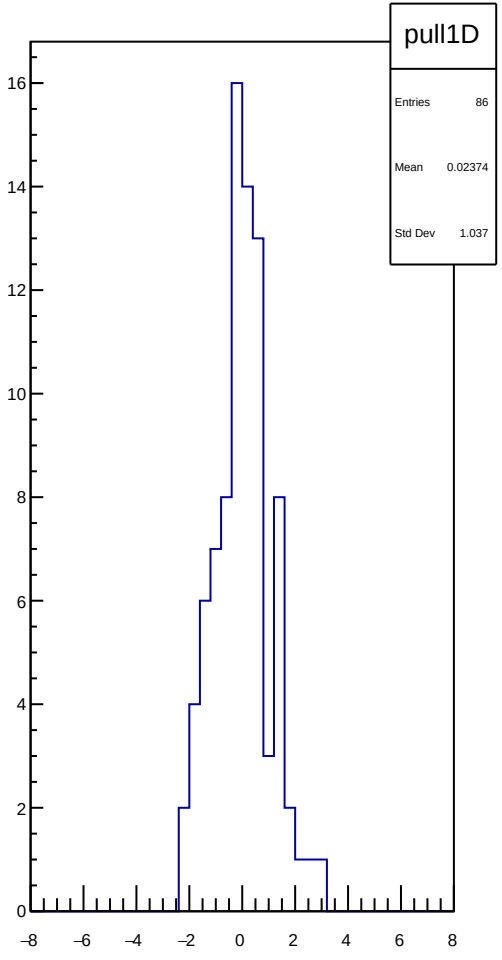

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8124 / 85
p0 7693 ± 5.993
9500
9000
8500
8000
7500
7000
6500

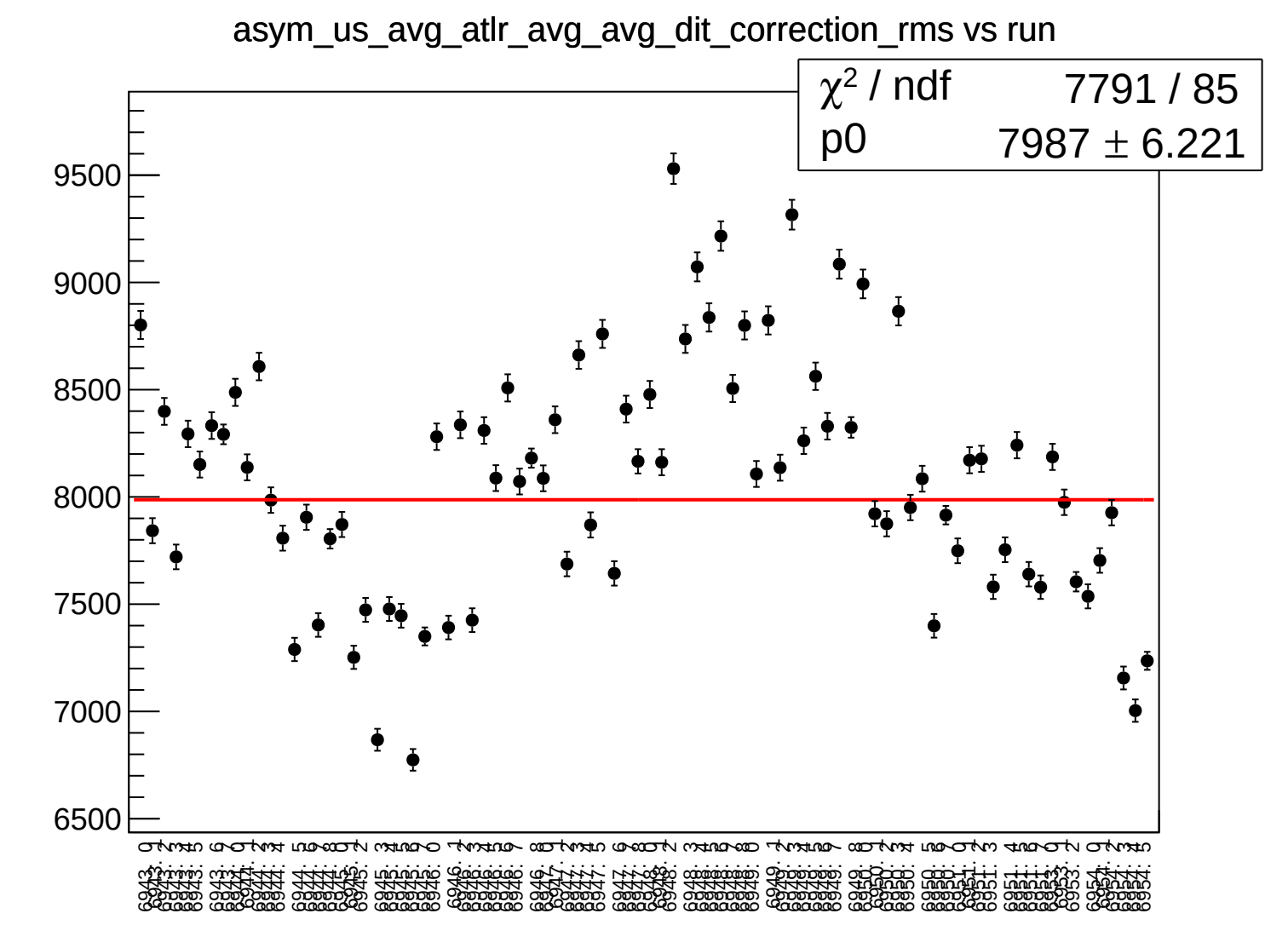

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 102.7 / 85
p0 5413 ± 2035
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 173.5
Std Dev 0
2
1
0
−1
−2

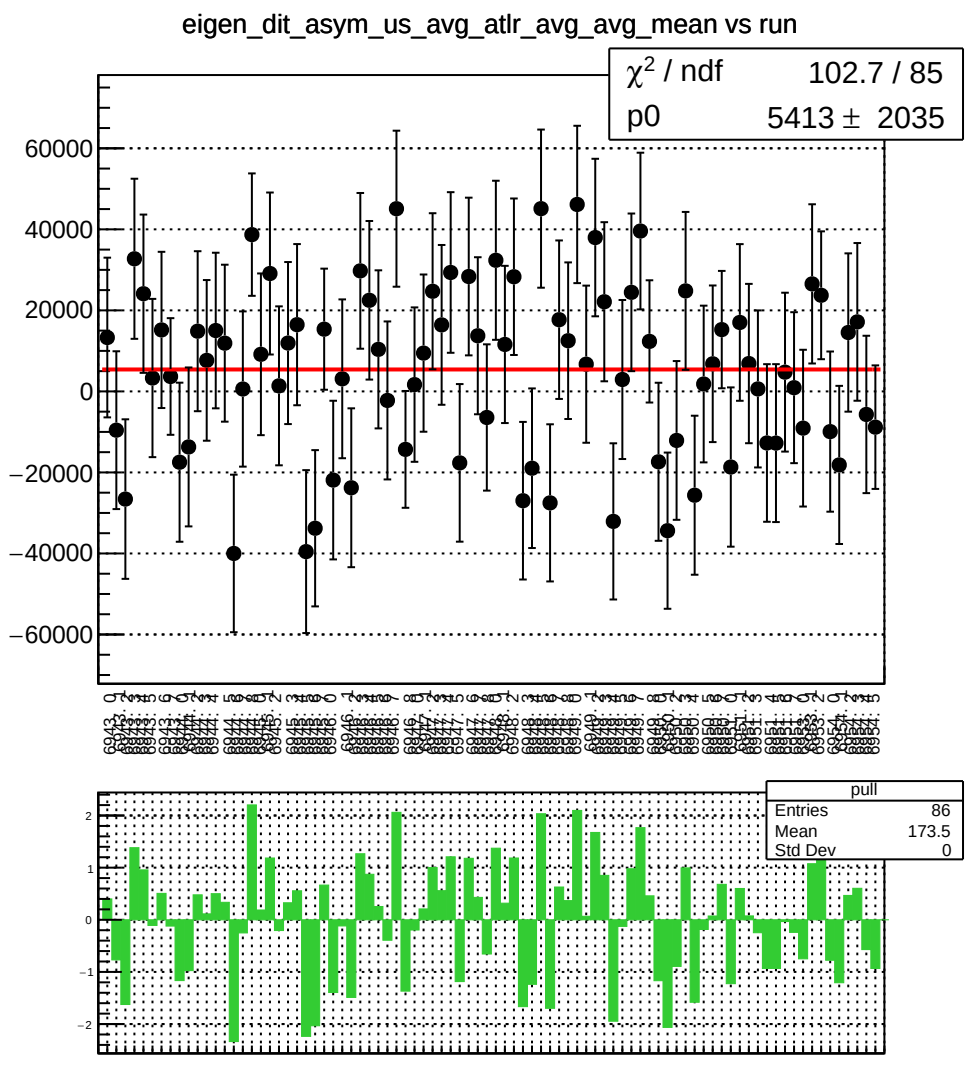

pull1D
Entries 86
Mean −0.00784
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

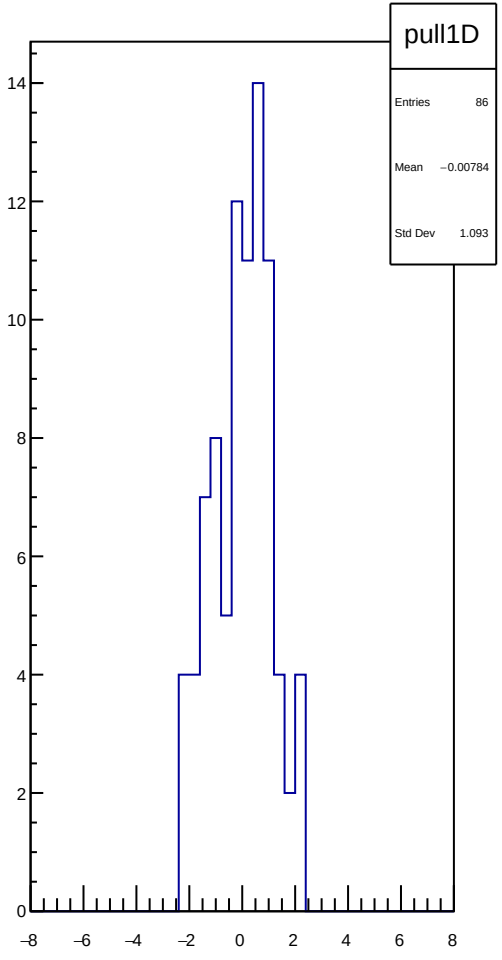

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 164.2 / 85
p0 1852 ± 1.439
1920
1900
1880
1860
1840
1820
1800

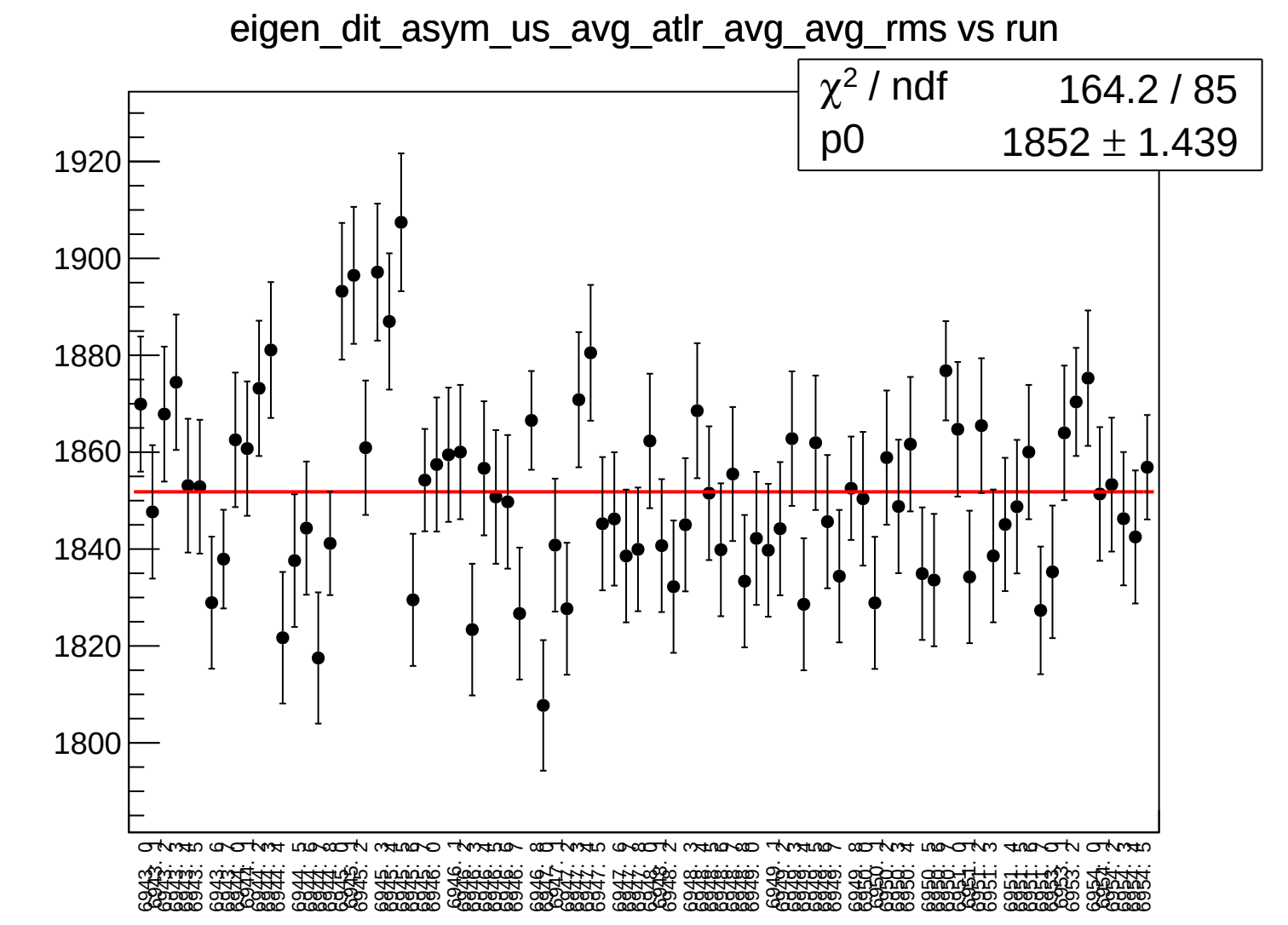

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 92.61 / 85
p0 718.1 ± 8798
pull
Entries 86
Mean 123.8
Std Dev 0

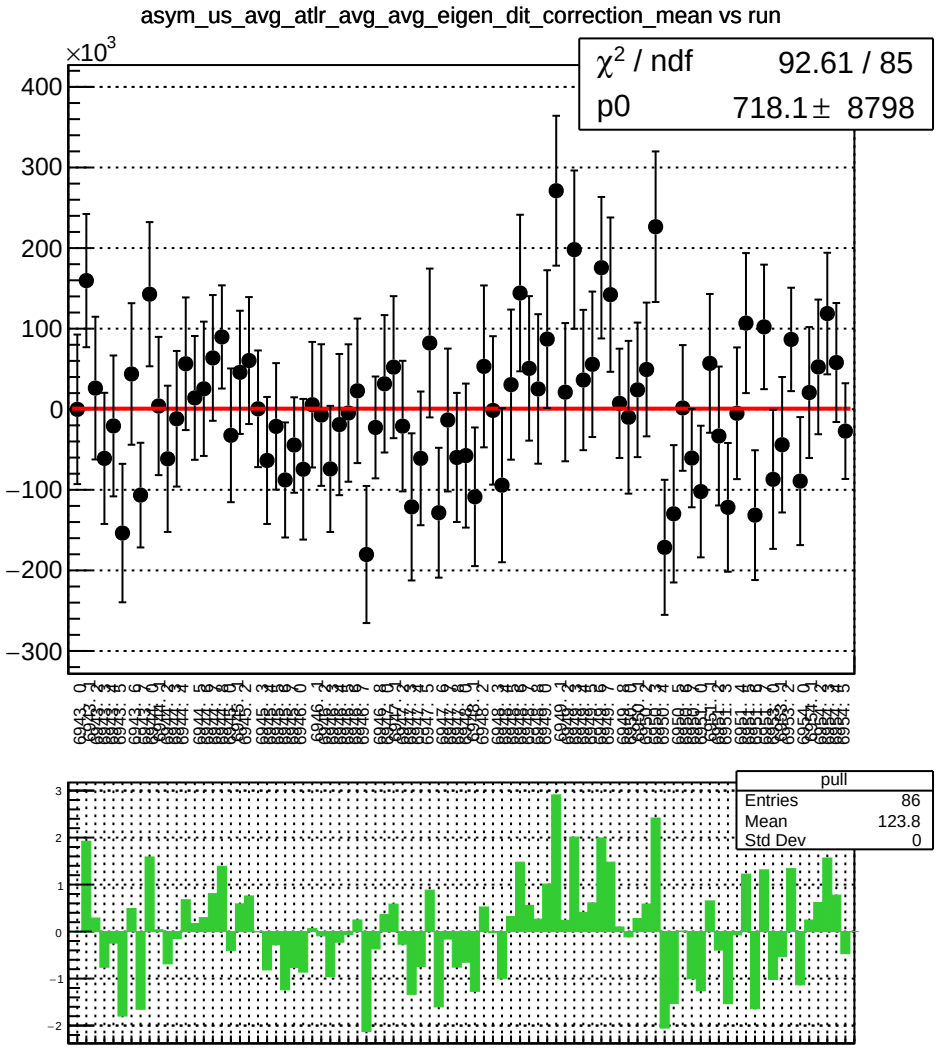

pull1D
Entries 86
Mean 0.02374
Std Dev 1.037

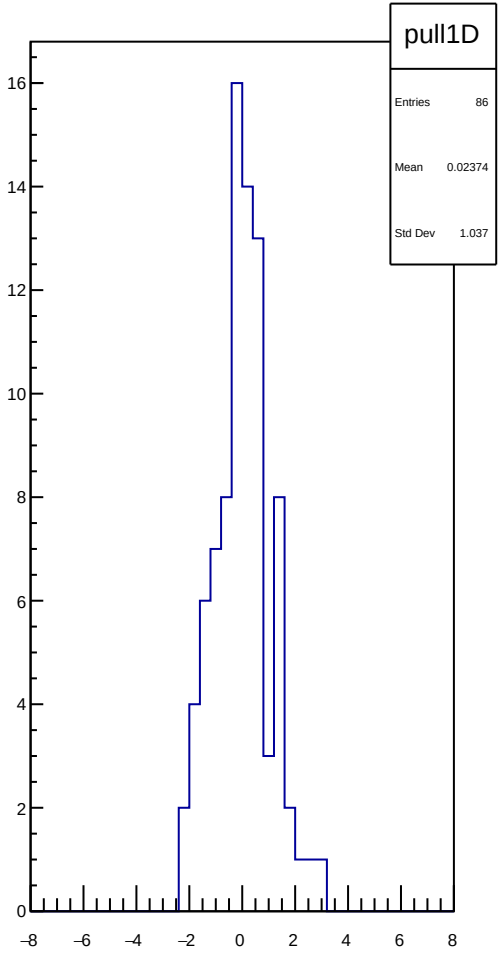

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 7791 / 85
p0 7987 ± 6.221
9500
9000
8500
8000
7500
7000
6500

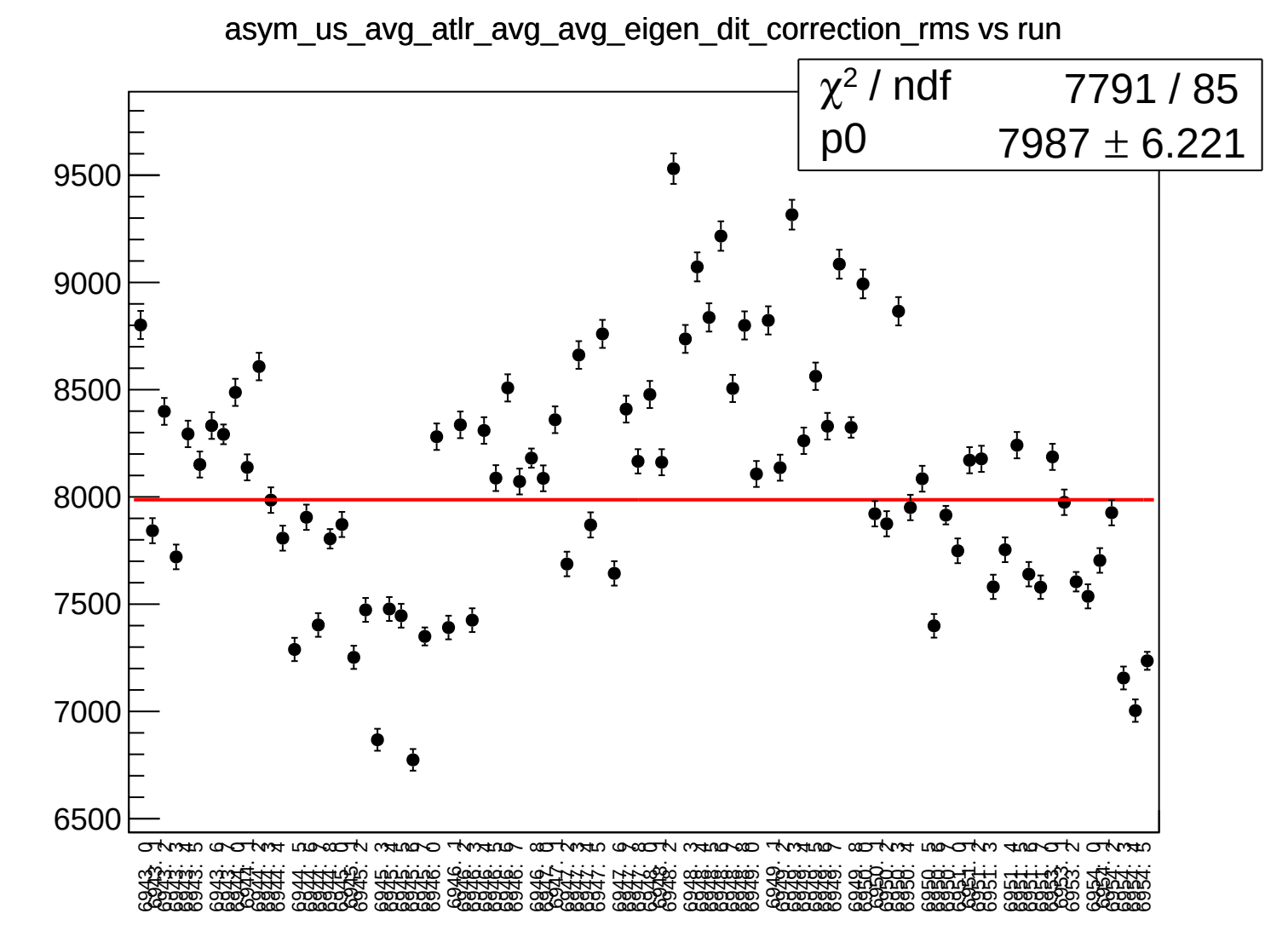

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 102.7 / 85
p0 5413 ± 2035
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 173.5
Std Dev 0
2
1
0
−1
−2

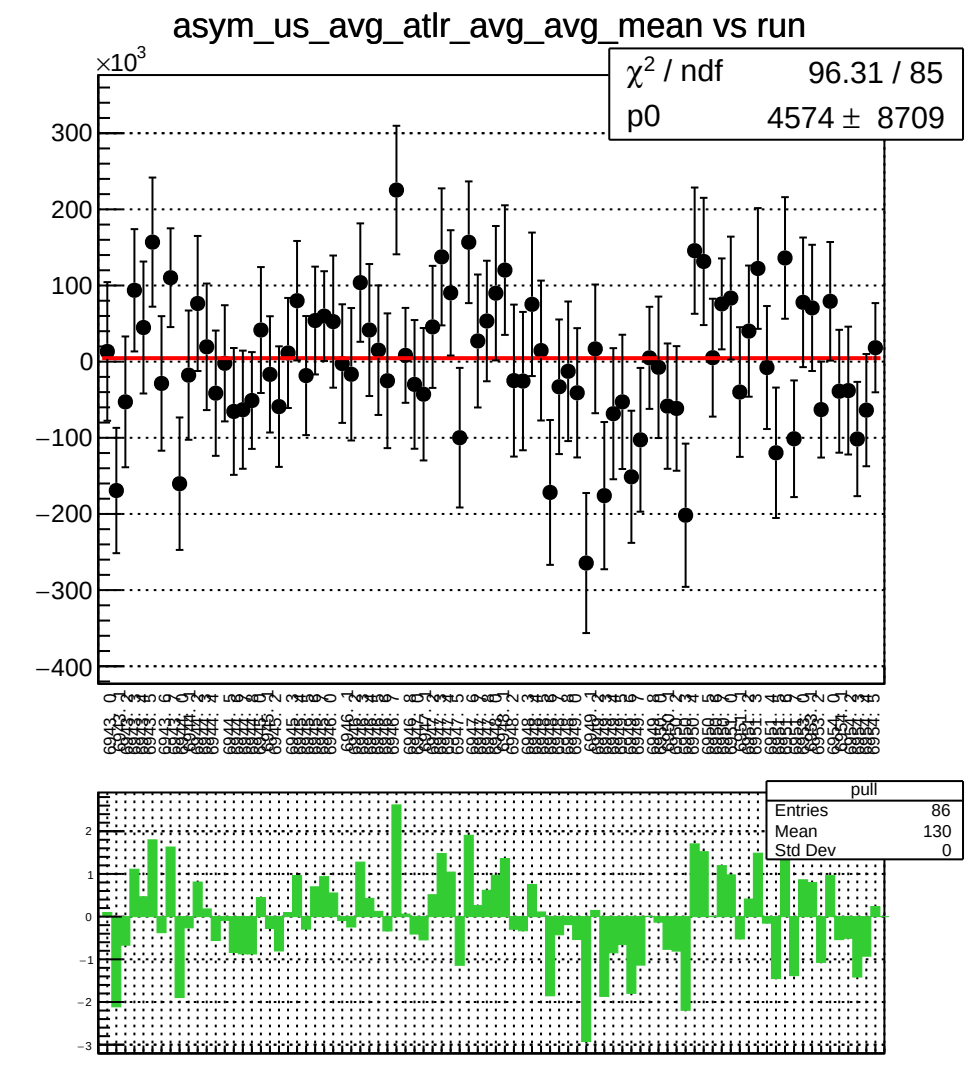

pull1D
Entries 86
Mean −0.00784
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

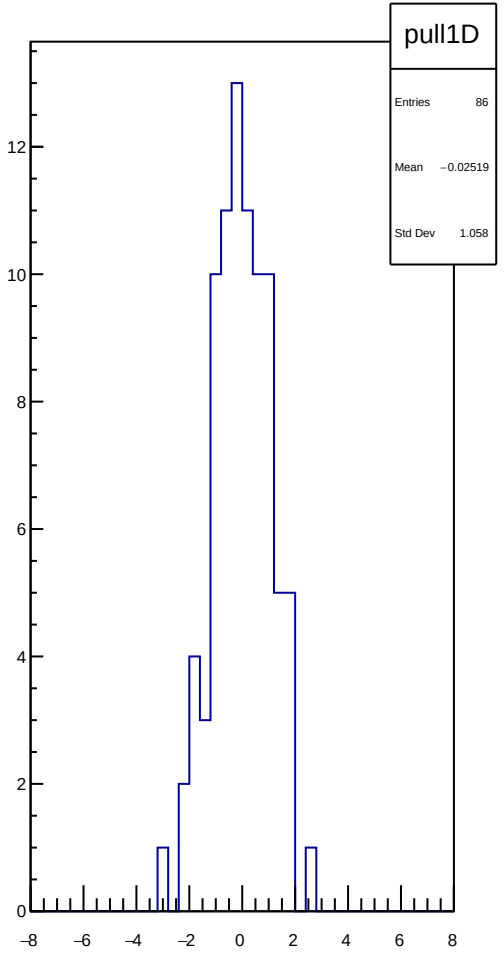

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 164.2 / 85
p0 1852 ± 1.439
1920
1900
1880
1860
1840
1820
1800

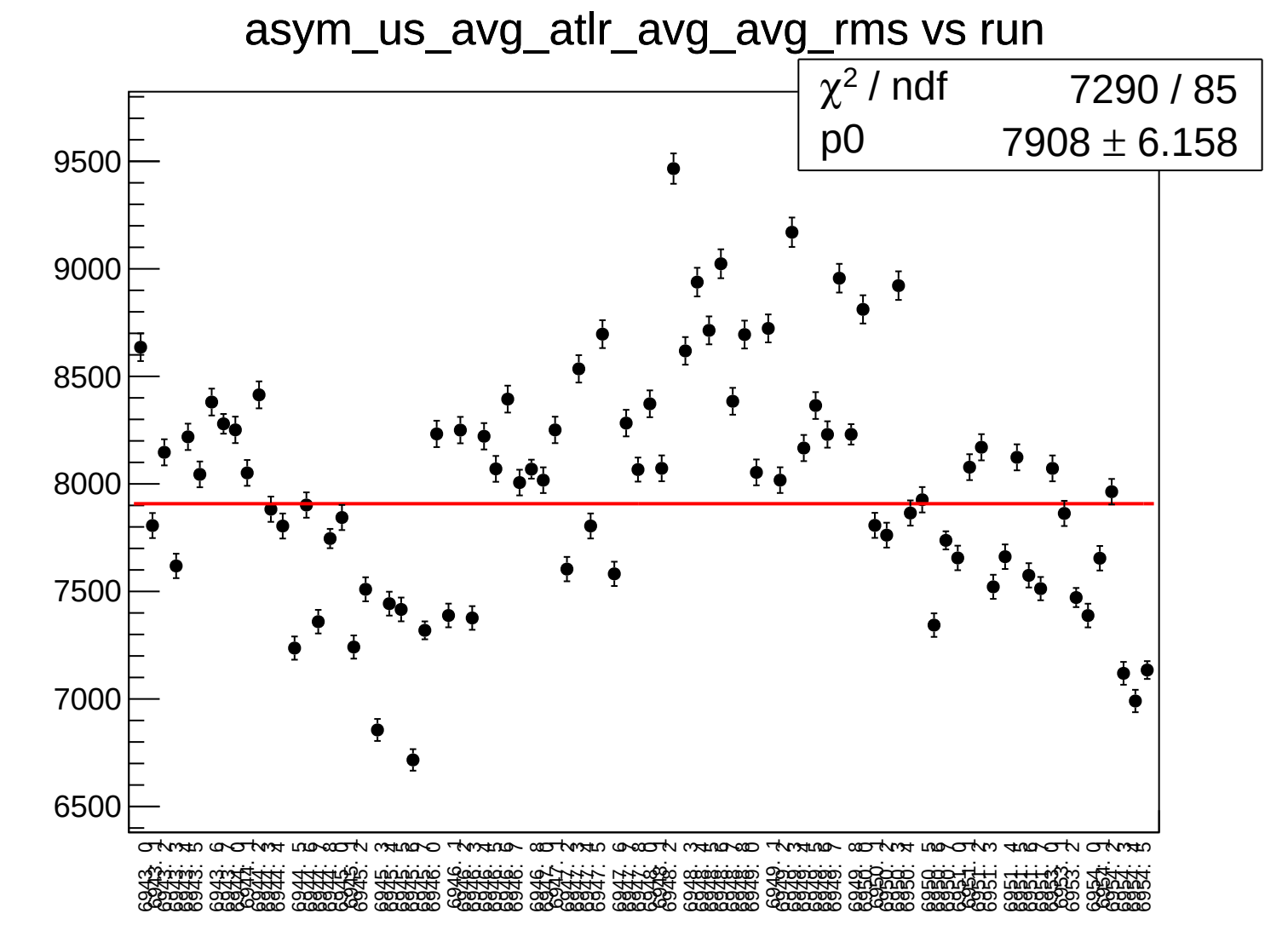

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 92.61 / 85
p0 718.1 ± 8798
pull
Entries 86
Mean 123.8
Std Dev 0

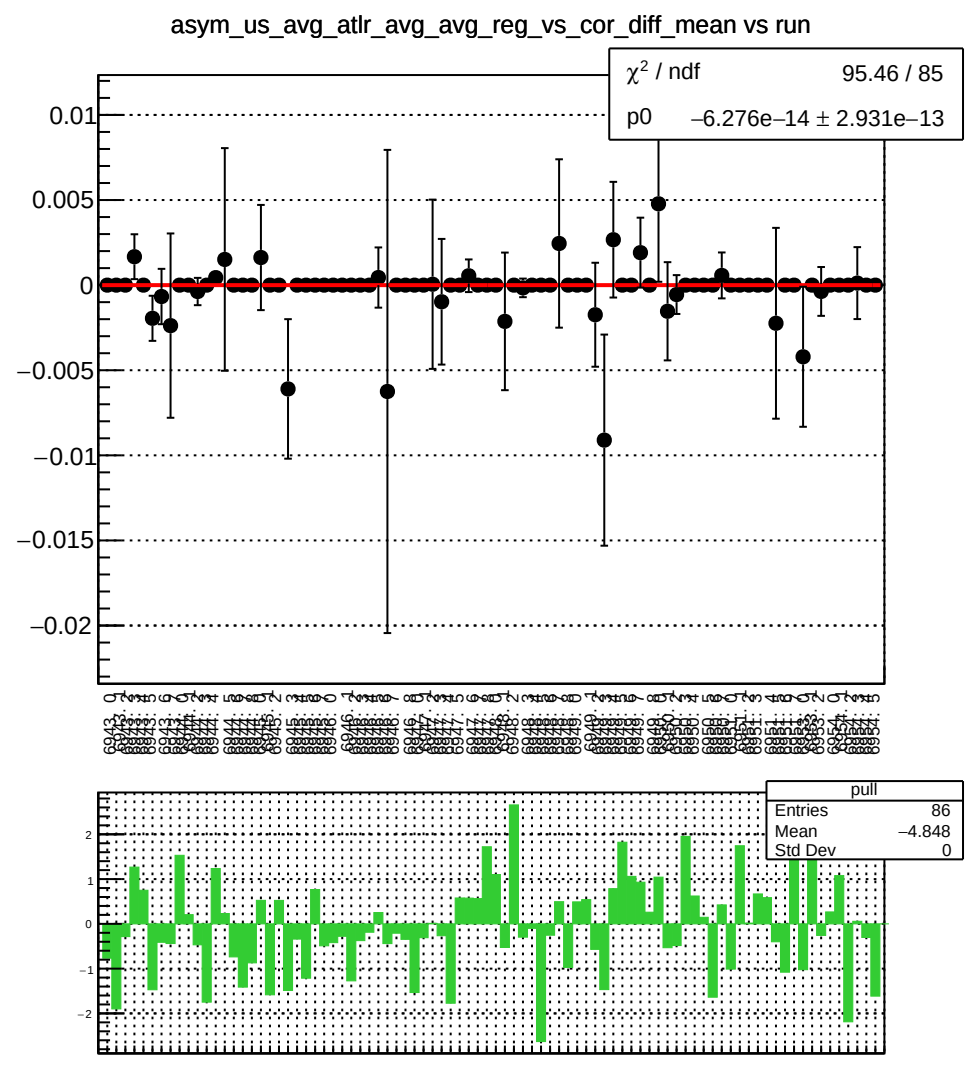

pull1D
Entries 86
Mean 0.02374
Std Dev 1.037

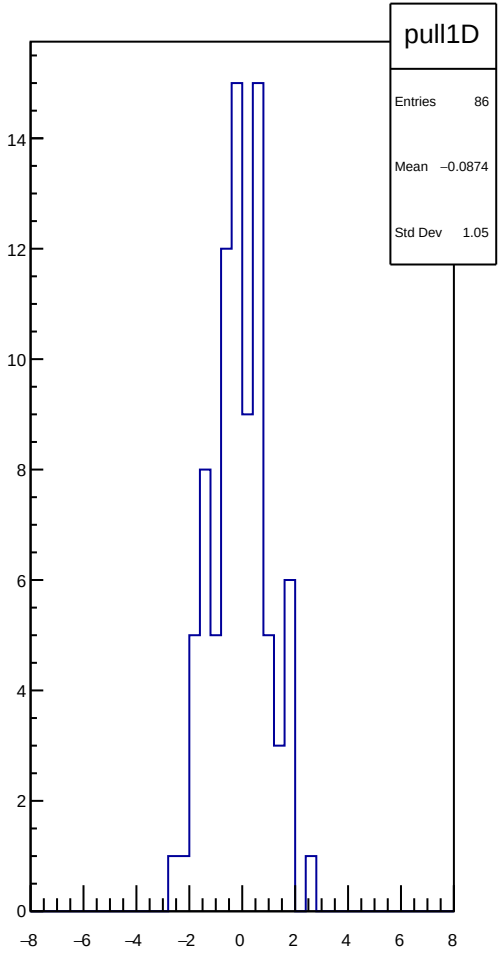

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7791 / 85
p0 7987 ± 6.221
9500
9000
8500
8000
7500
7000
6500

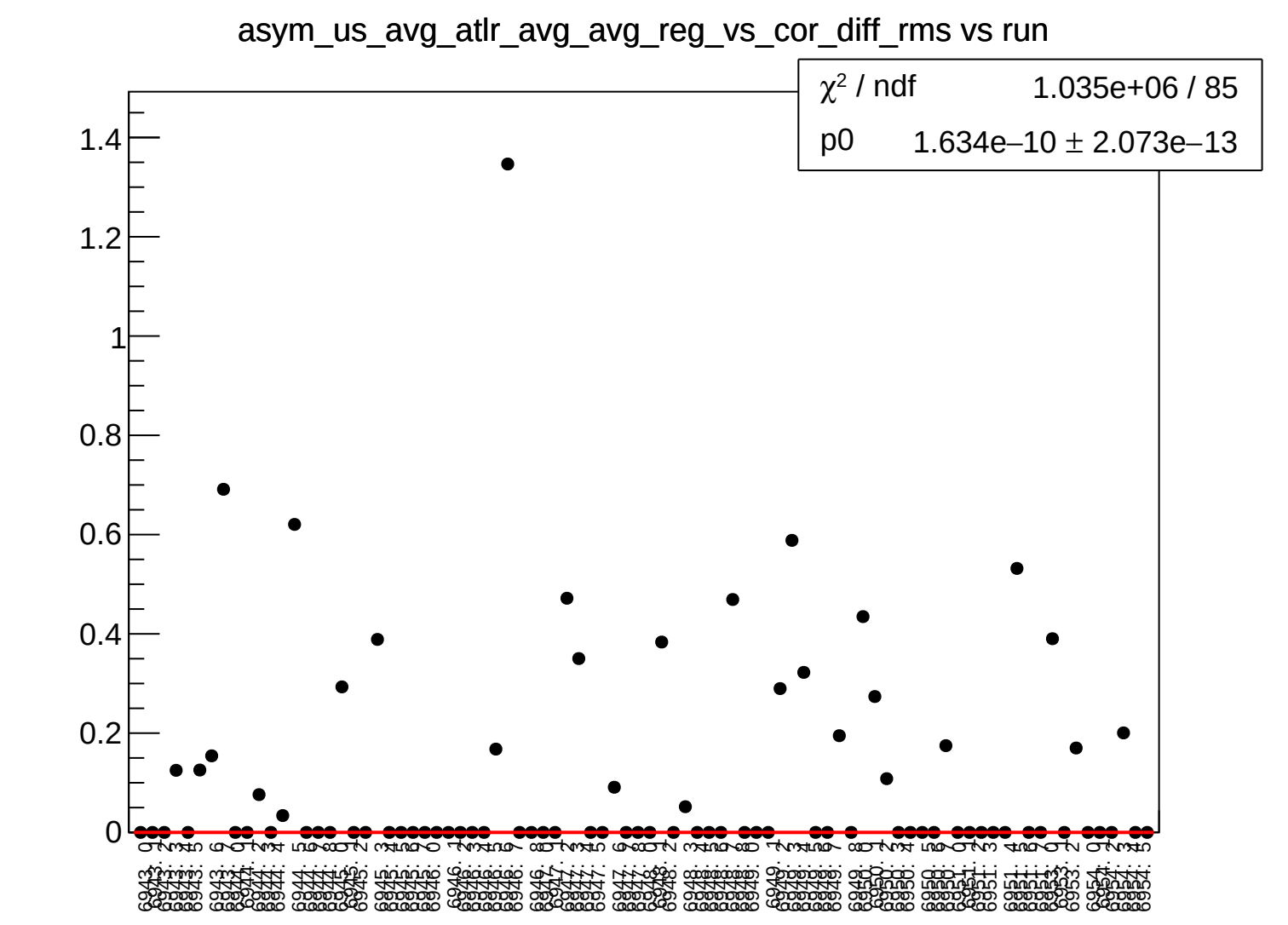

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 96.31 / 85
p0 4574 ± 8709
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 130
Std Dev 0
2
1
0
−1
−2
−3

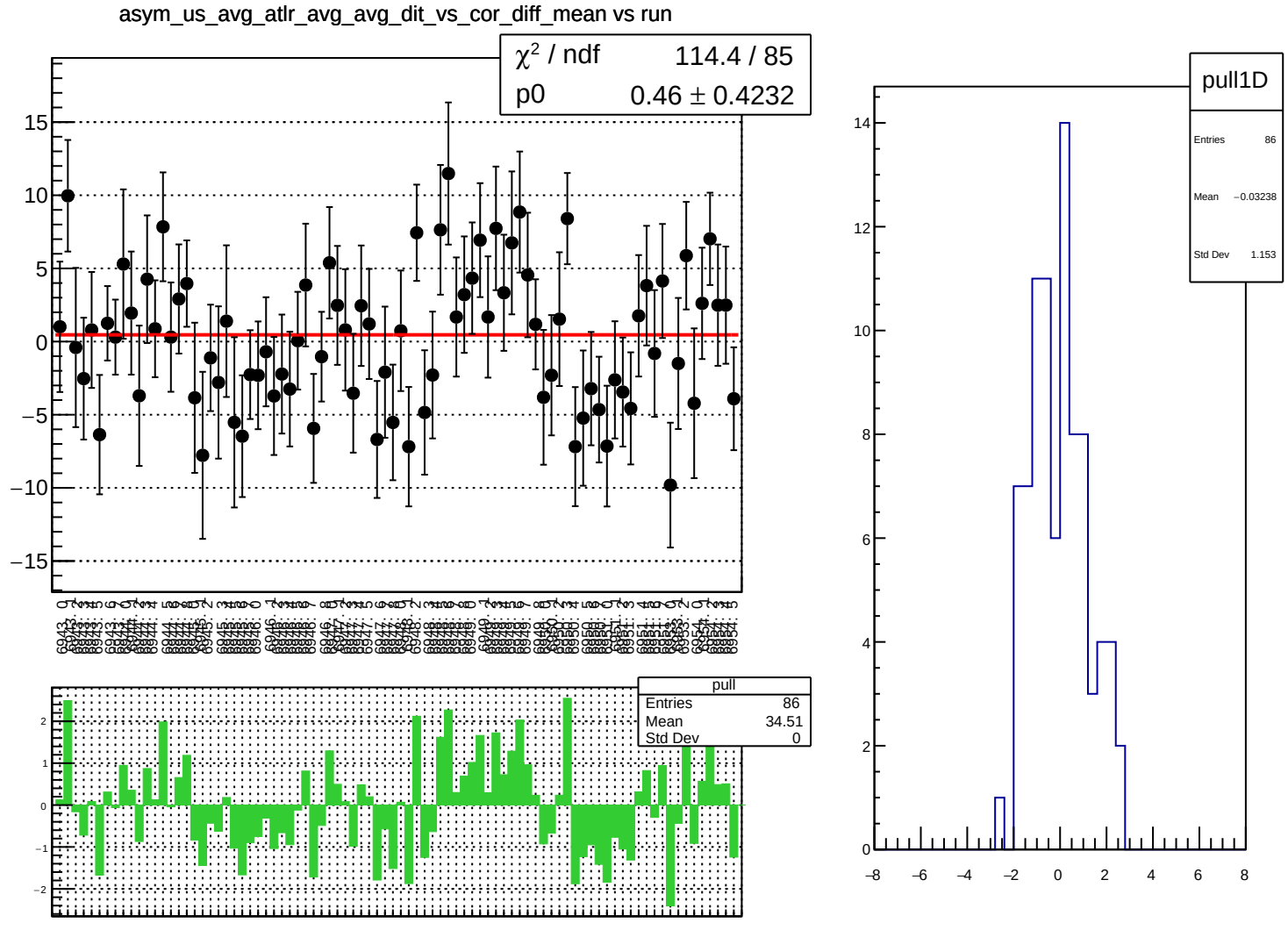

pull1D
Entries 86
Mean −0.02519
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

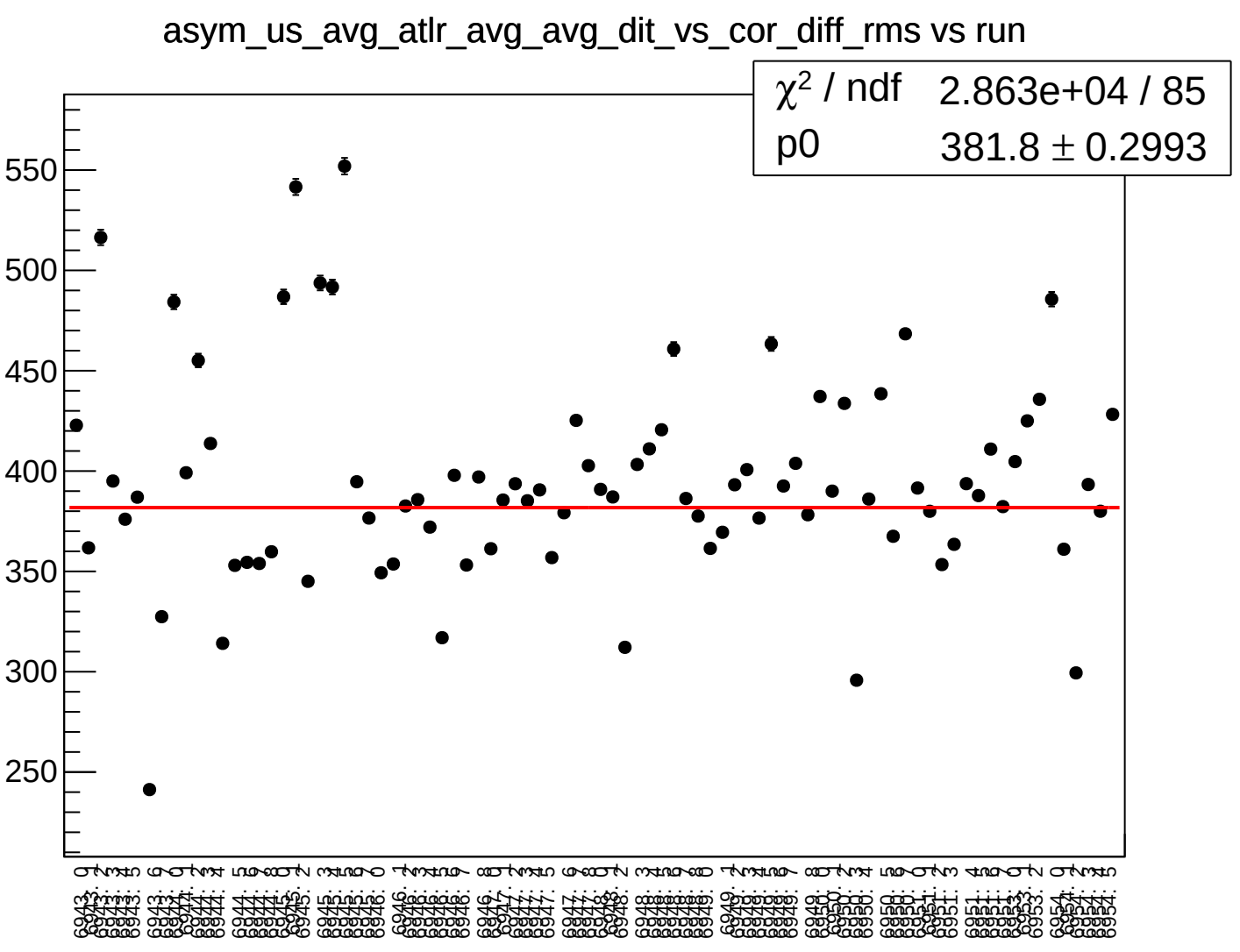

asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 7290 / 85
p0 7908 ± 6.158
9500
9000
8500
8000
7500
7000
6500

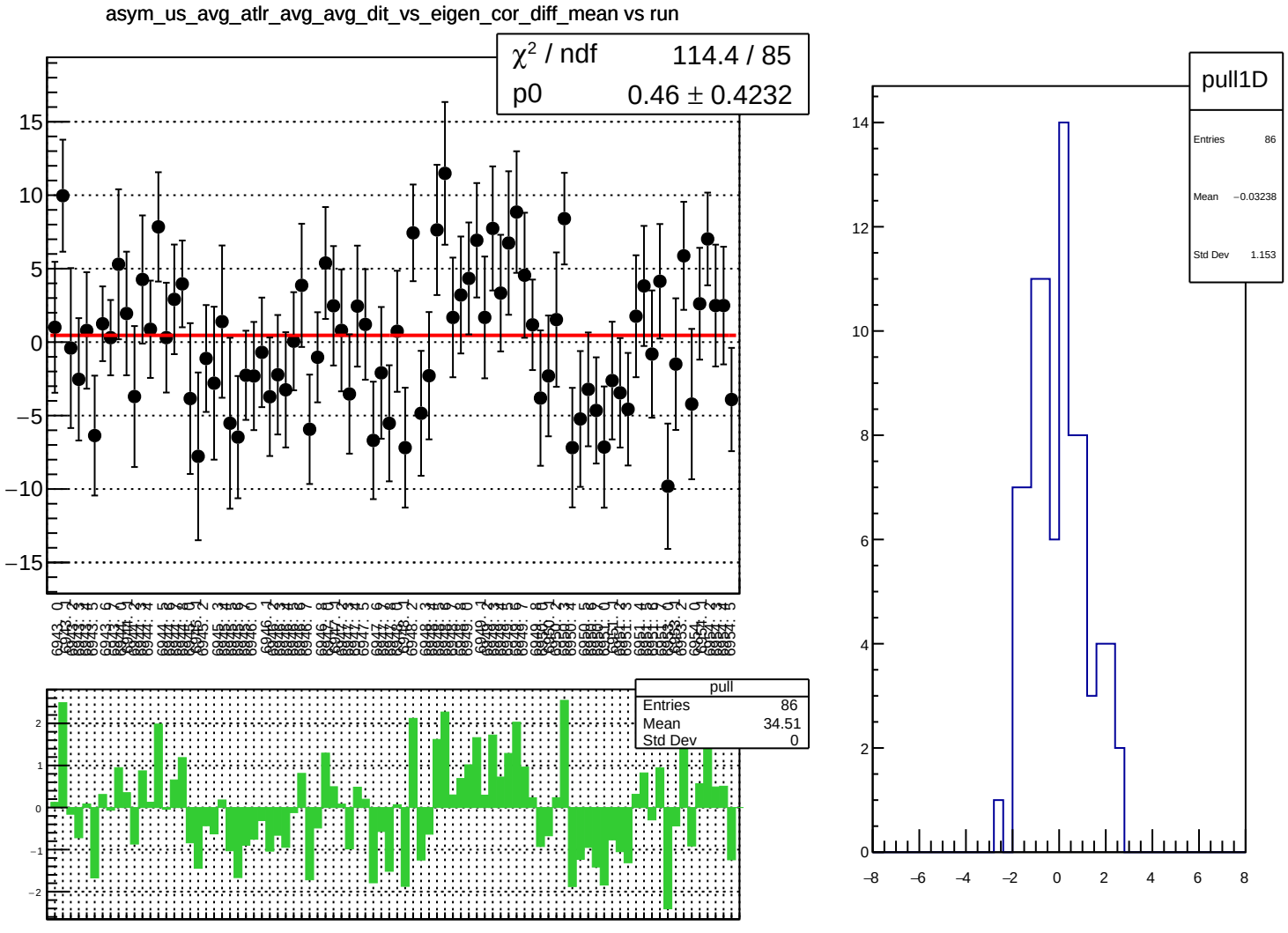

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.46 / 85
p0 −6.276e−14 ± 2.931e−13
pull
Entries 86
Mean −4.848
Std Dev 0

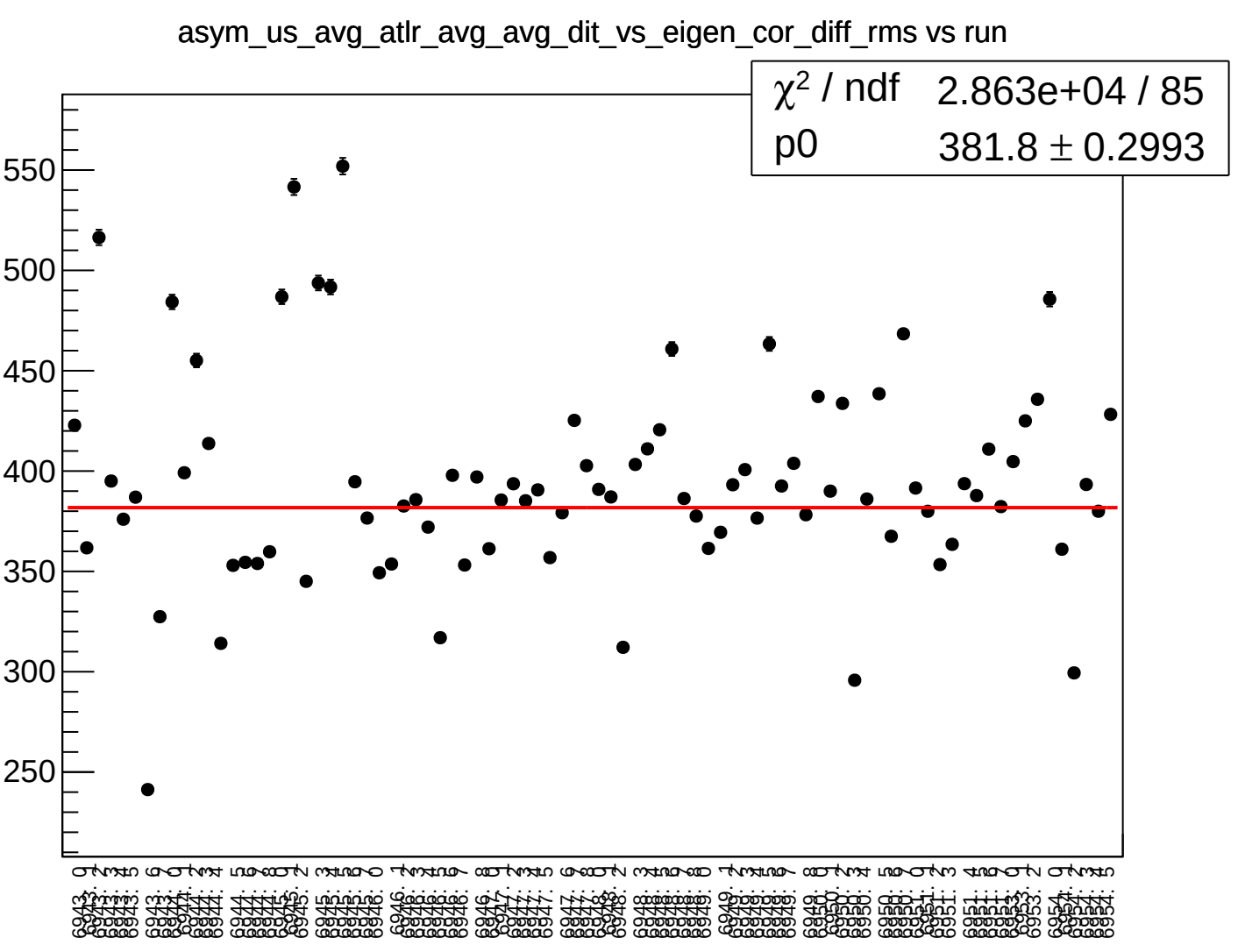

pull1D
Entries 86
Mean −0.0874
Std Dev 1.05

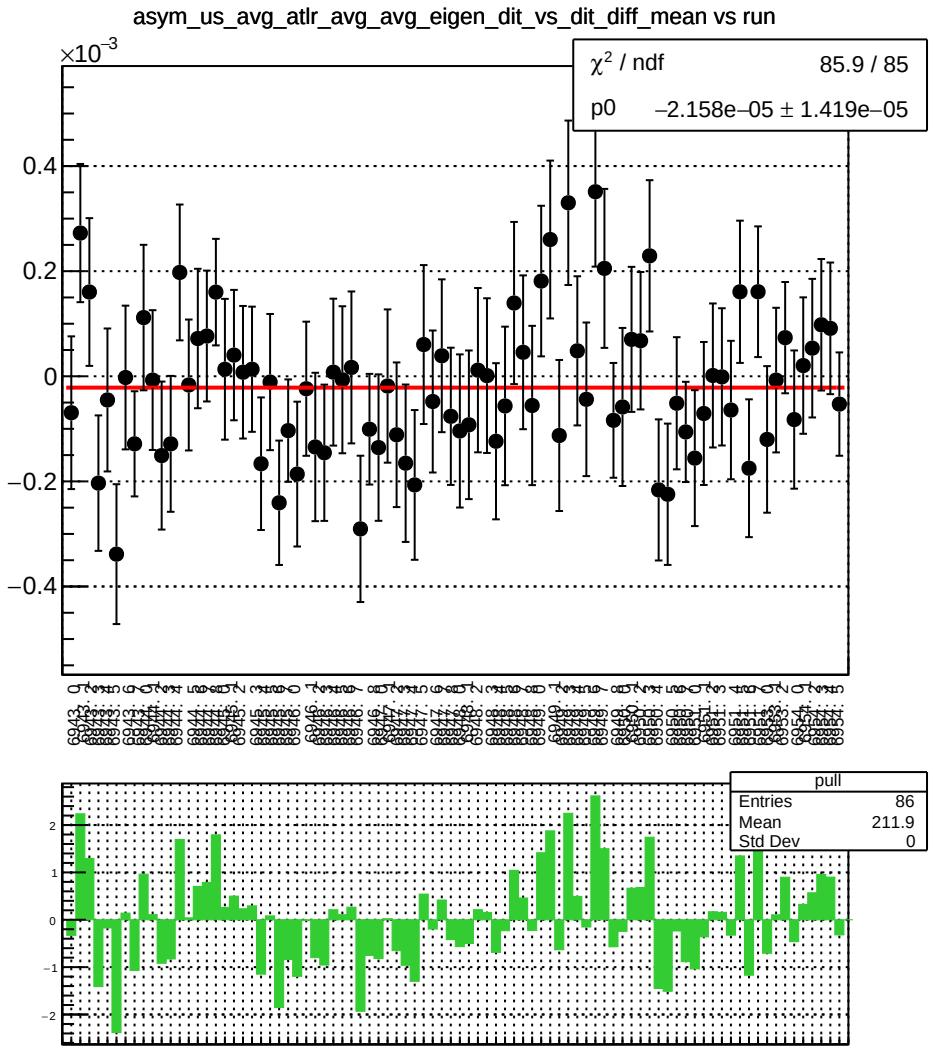

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.035e+06 / 85
p0 1.634e−10 ± 2.073e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

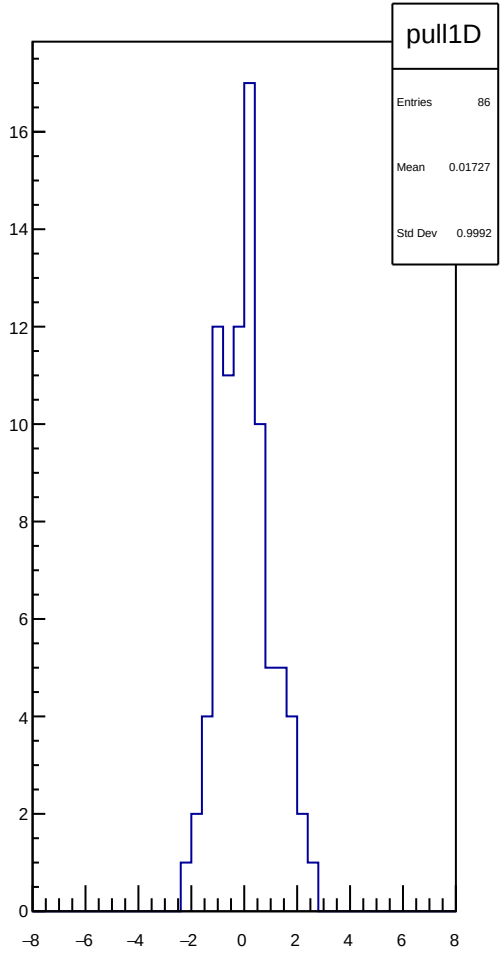

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 114.4 / 85
p0 0.46 ± 0.4232
pull
Entries 86
Mean 34.51
Std Dev 0
pull1D
Entries 86
Mean −0.03238
Std Dev 1.153

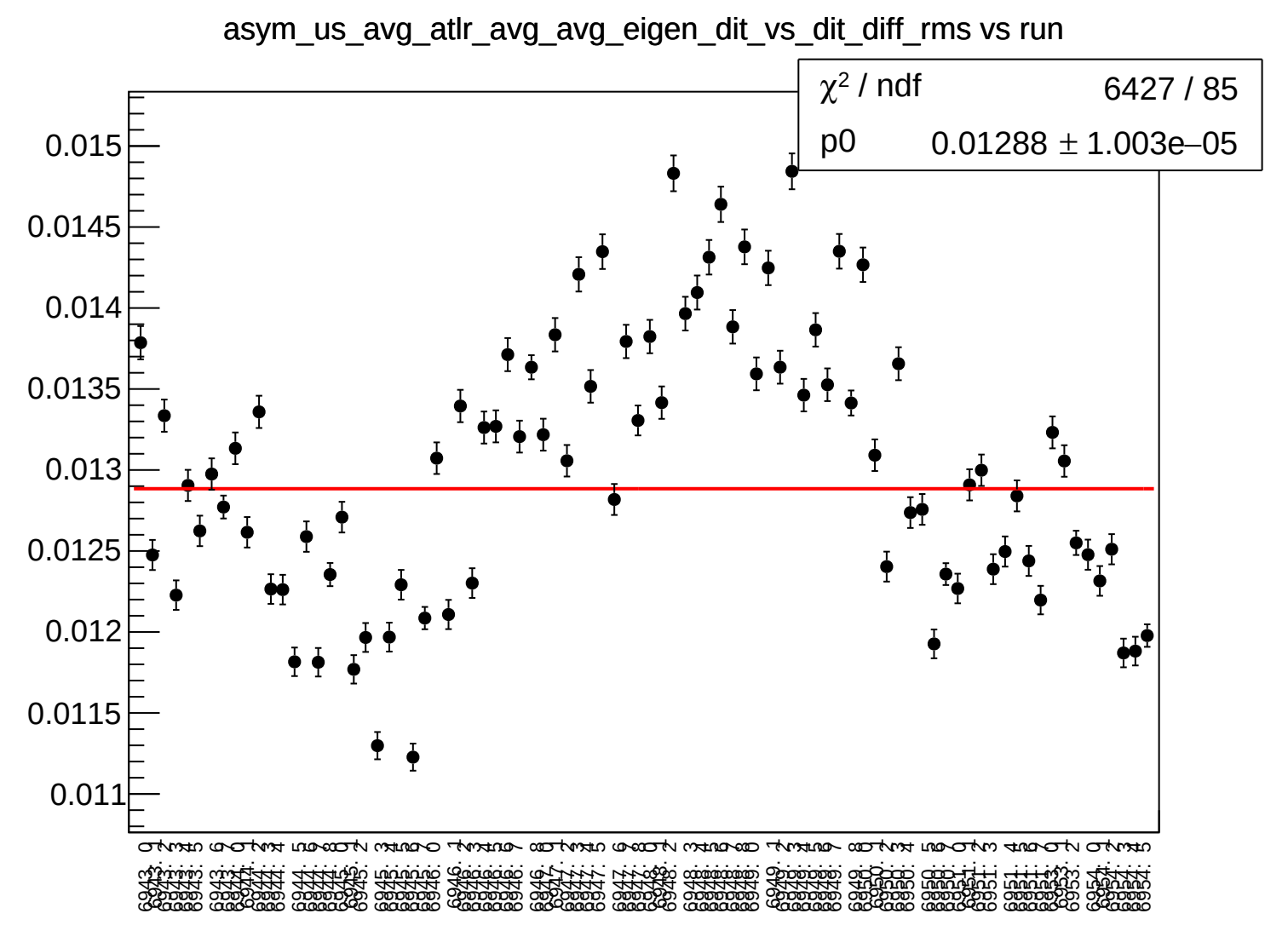

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.863e+04 / 85
p0 381.8 ± 0.2993
550
500
450
400
350
300
250

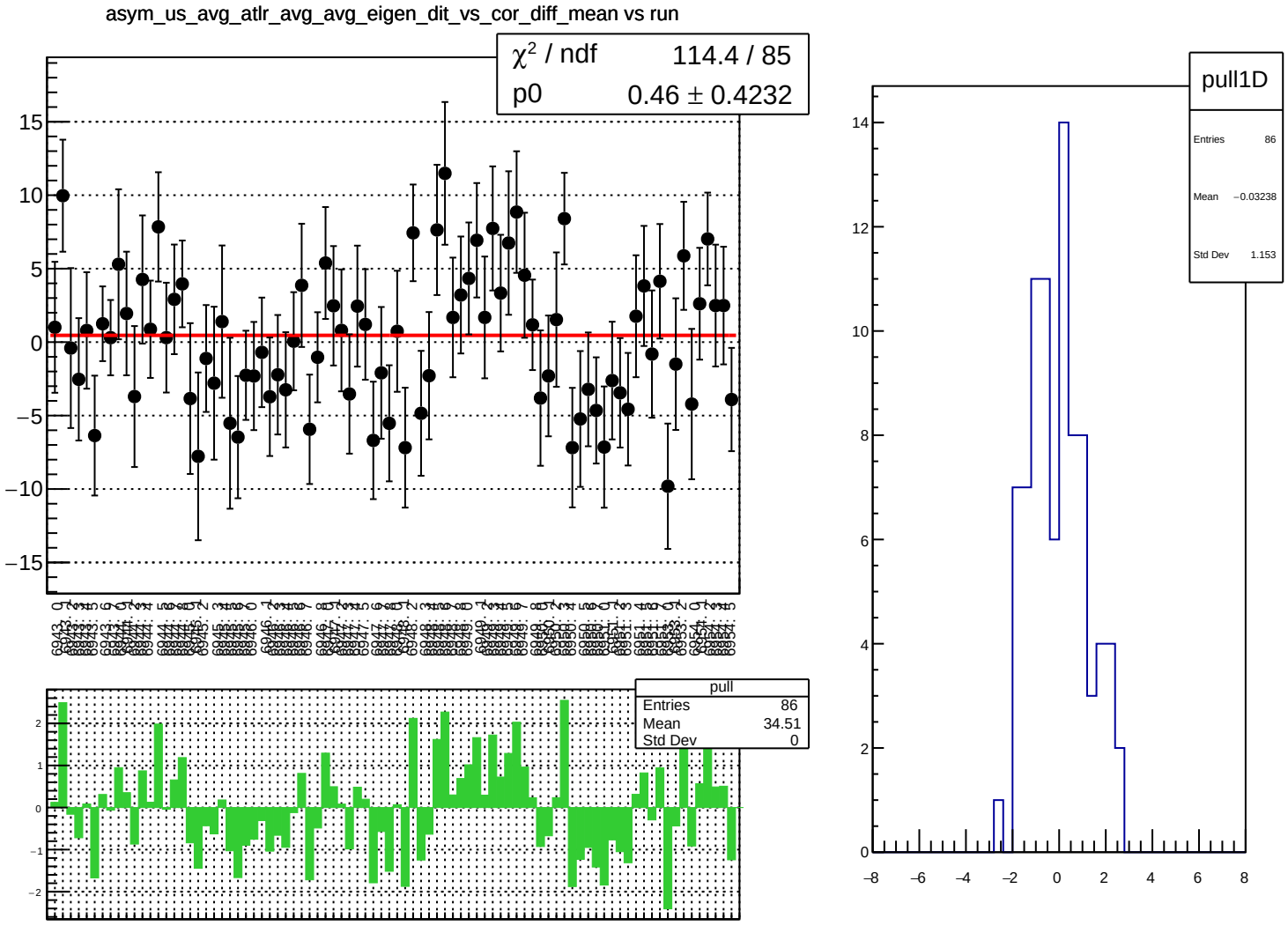

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 114.4 / 85
p0 0.46 ± 0.4232
pull
Entries 86
Mean 34.51
Std Dev 0
pull1D
Entries 86
Mean −0.03238
Std Dev 1.153

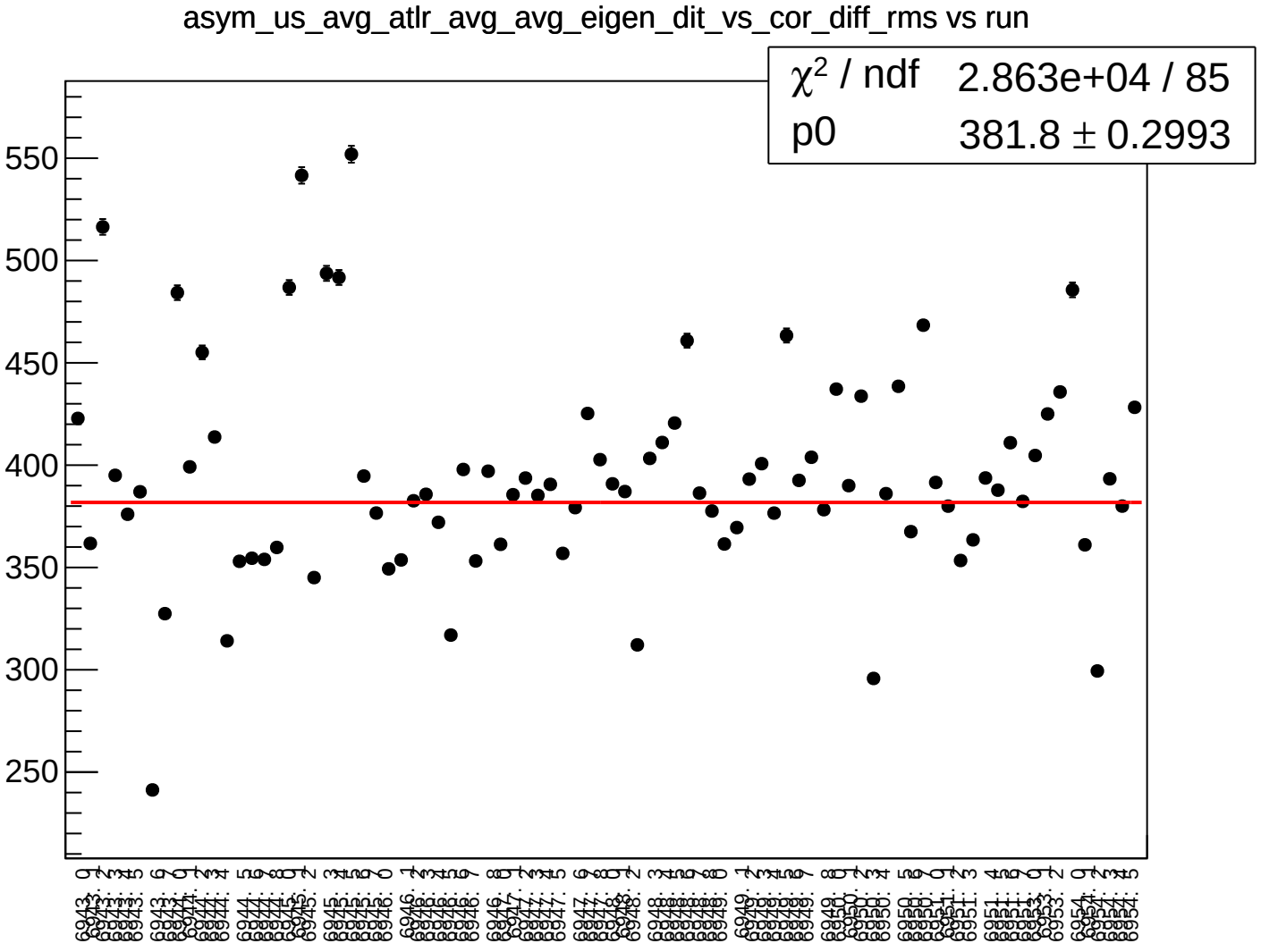

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.863e+04 / 85
p0 381.8 ± 0.2993
550
500
450
400
350
300
250

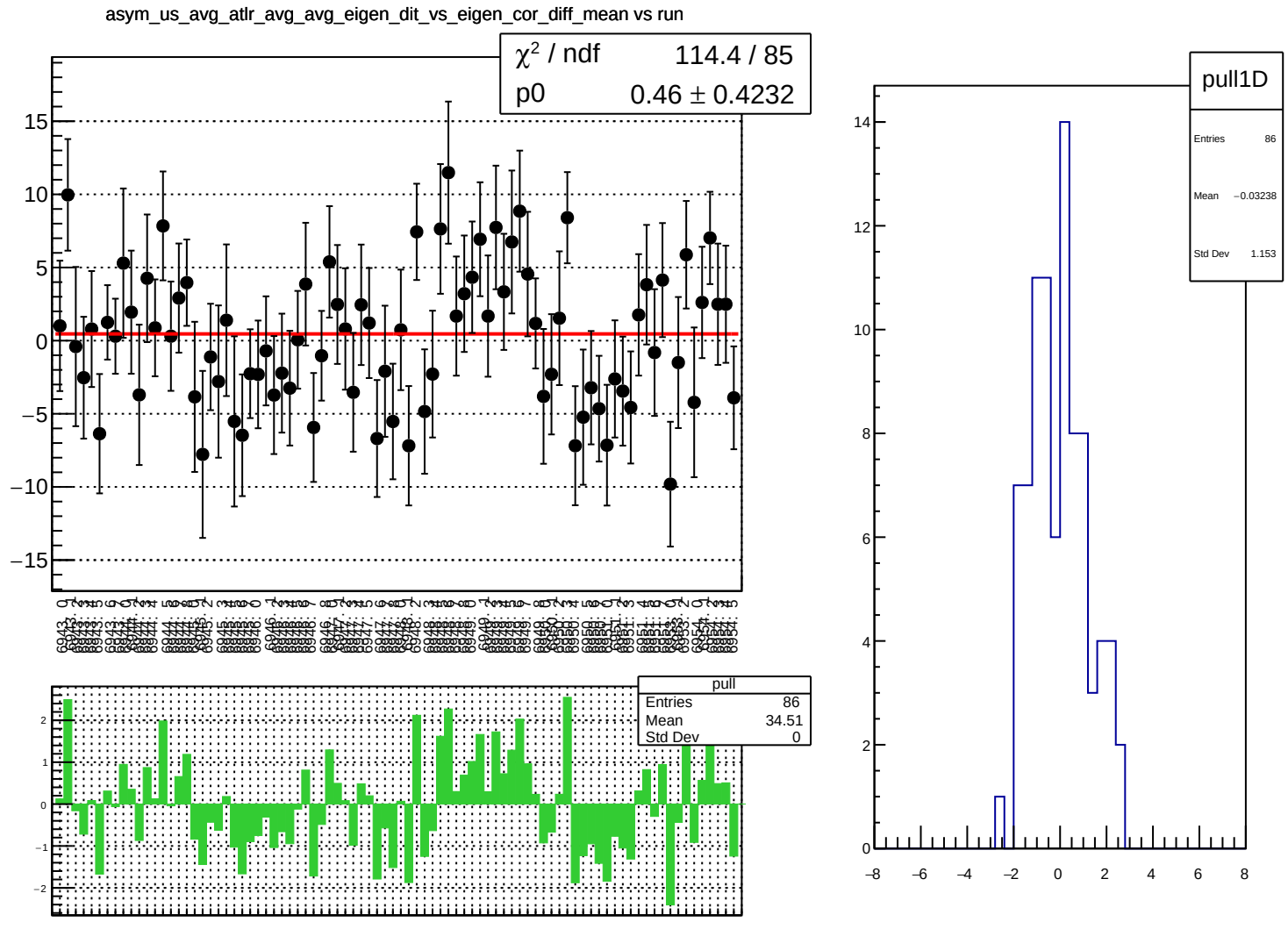

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.9 / 85
p0 −2.158e−05 ± 1.419e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 86
Mean 211.9
Std Dev 0
2
1
0
−1
−2

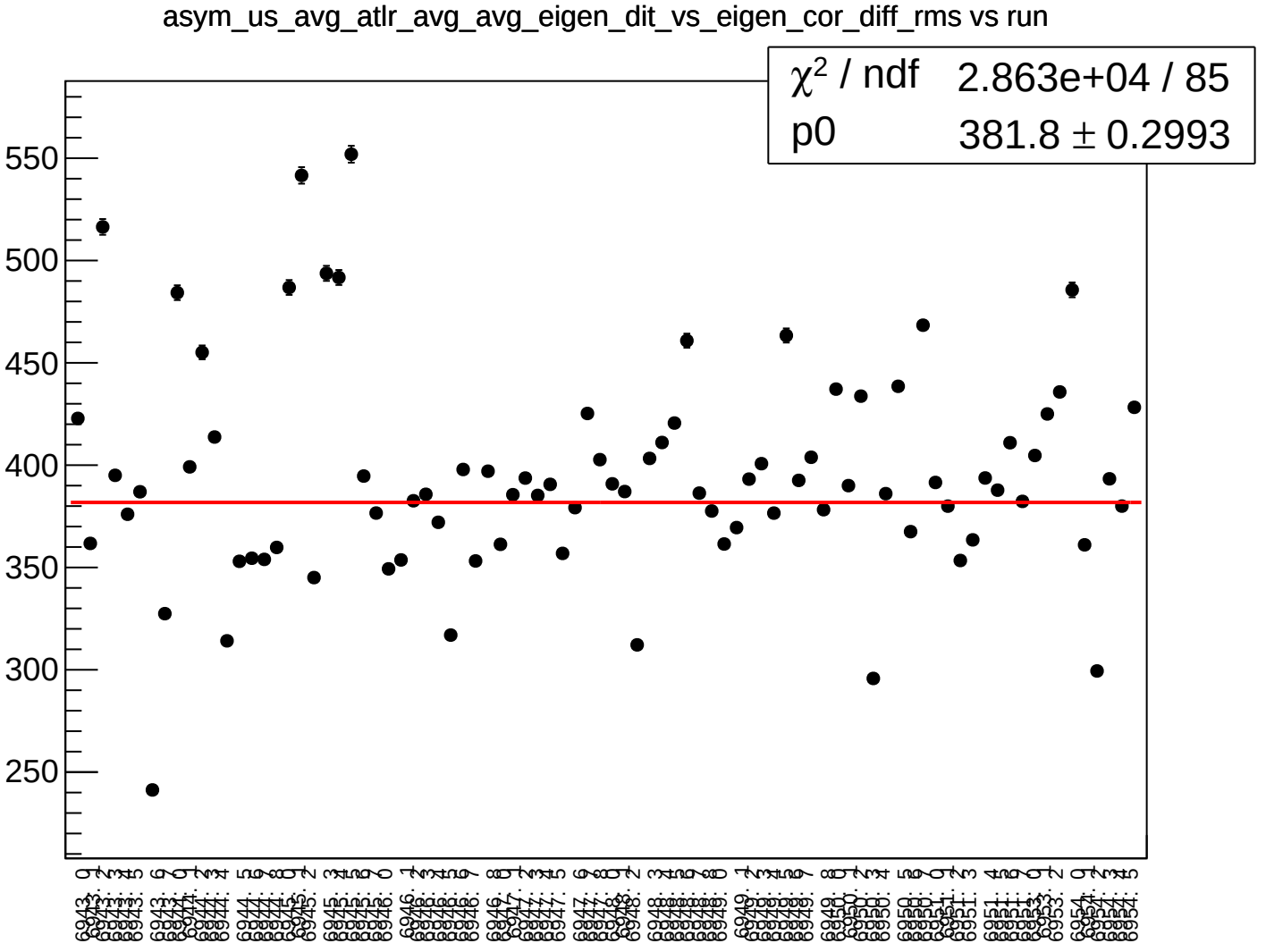

pull1D
Entries 86
Mean 0.01727
Std Dev 0.9992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

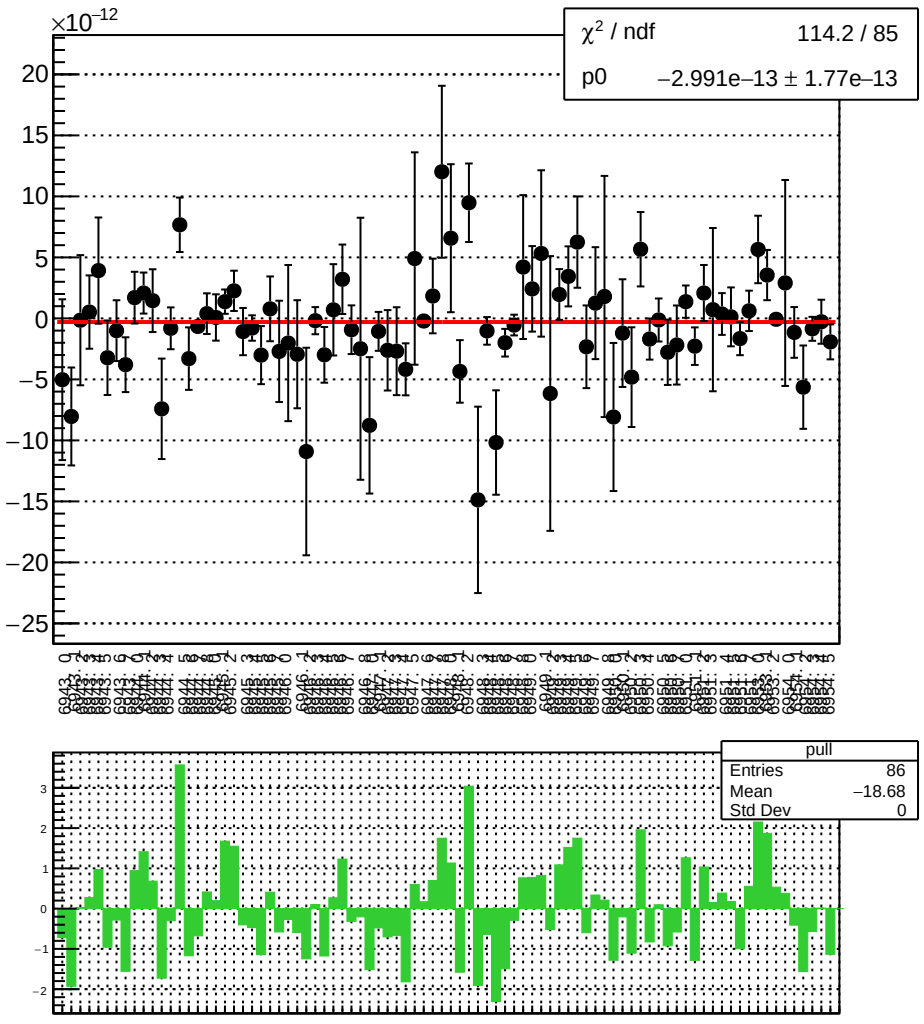

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6427 / 85
p0 0.01288 ± 1.003e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011

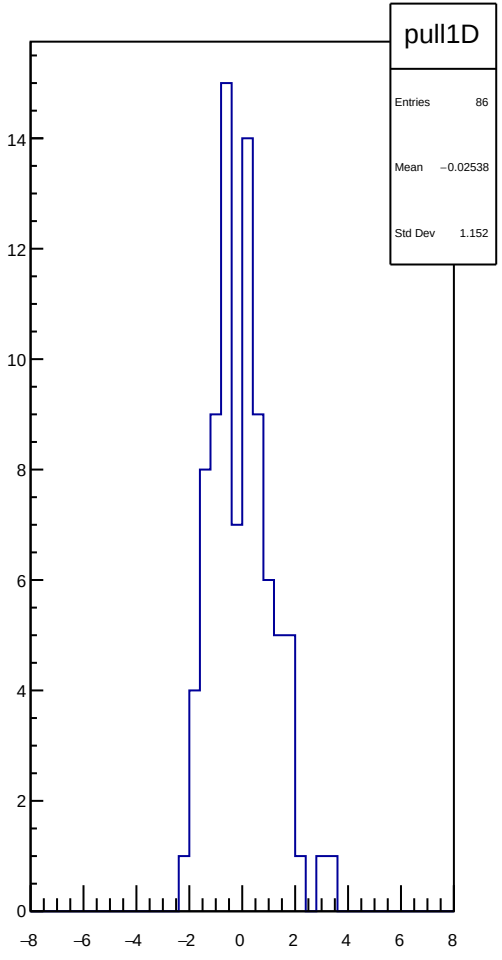

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 114.4 / 85
p0 0.46 ± 0.4232
pull
Entries 86
Mean 34.51
Std Dev 0
pull1D
Entries 86
Mean −0.03238
Std Dev 1.153

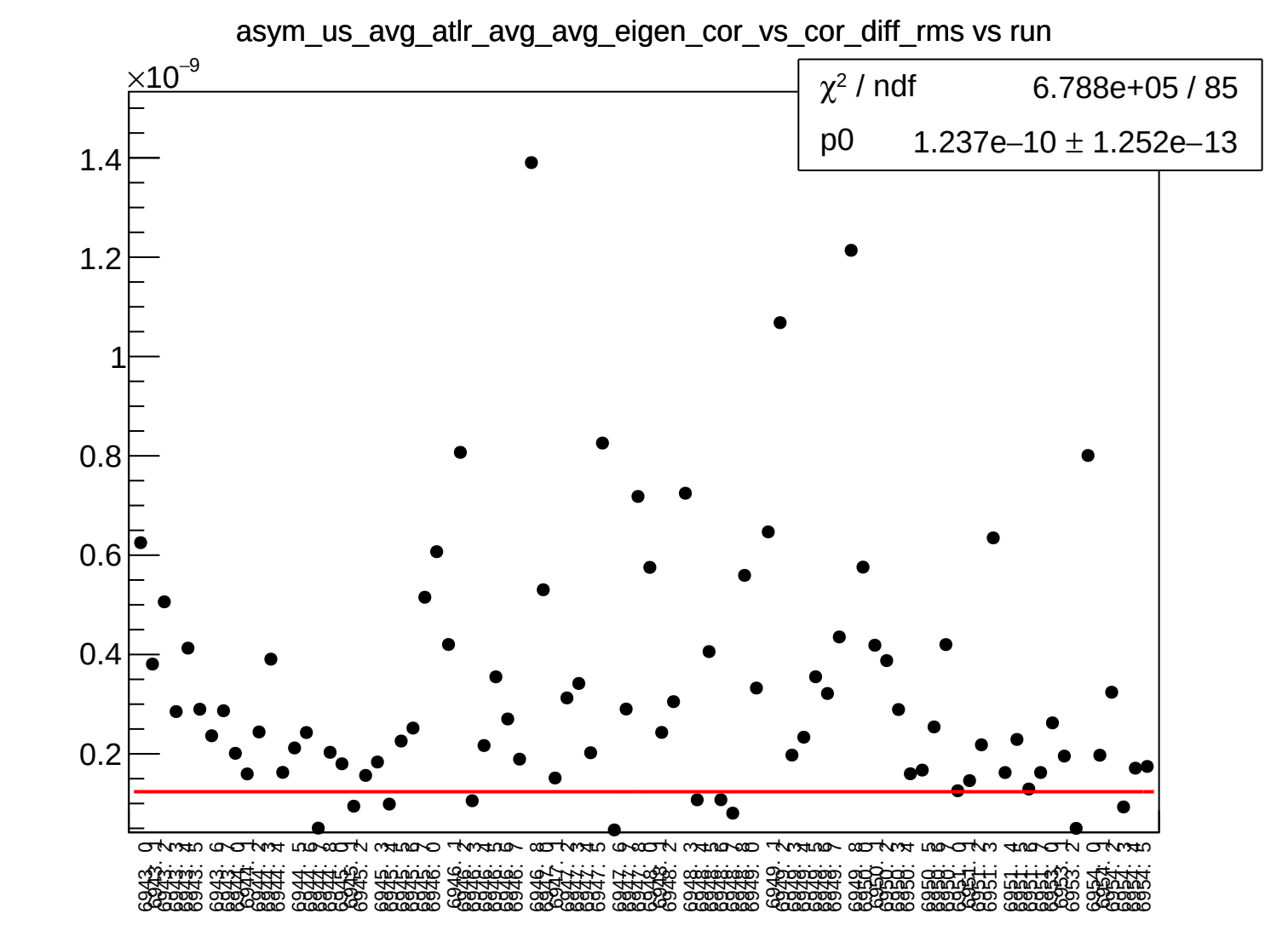

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.863e+04 / 85
p0 381.8 ± 0.2993
550
500
450
400
350
300
250

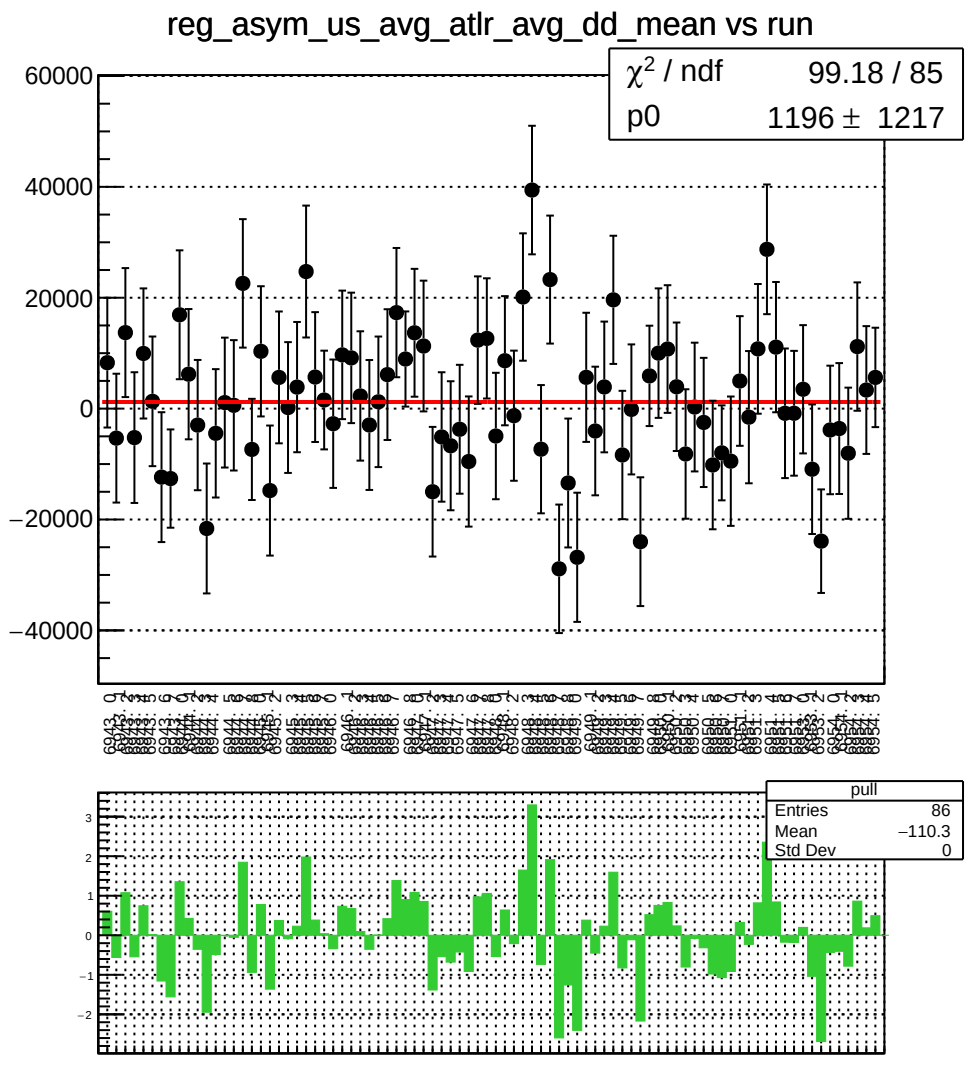

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 114.4 / 85
p0 0.46 ± 0.4232
pull
Entries 86
Mean 34.51
Std Dev 0
pull1D
Entries 86
Mean −0.03238
Std Dev 1.153

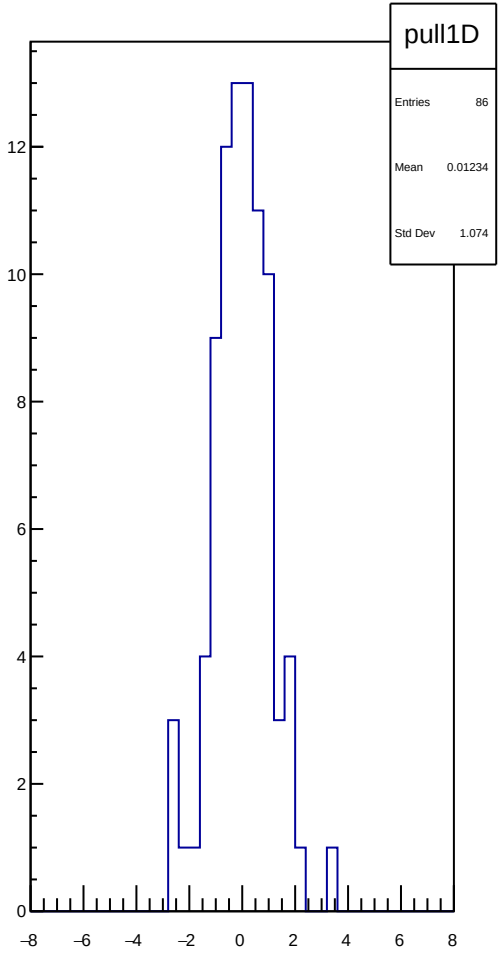

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.863e+04 / 85
p0 381.8 ± 0.2993
550
500
450
400
350
300
250

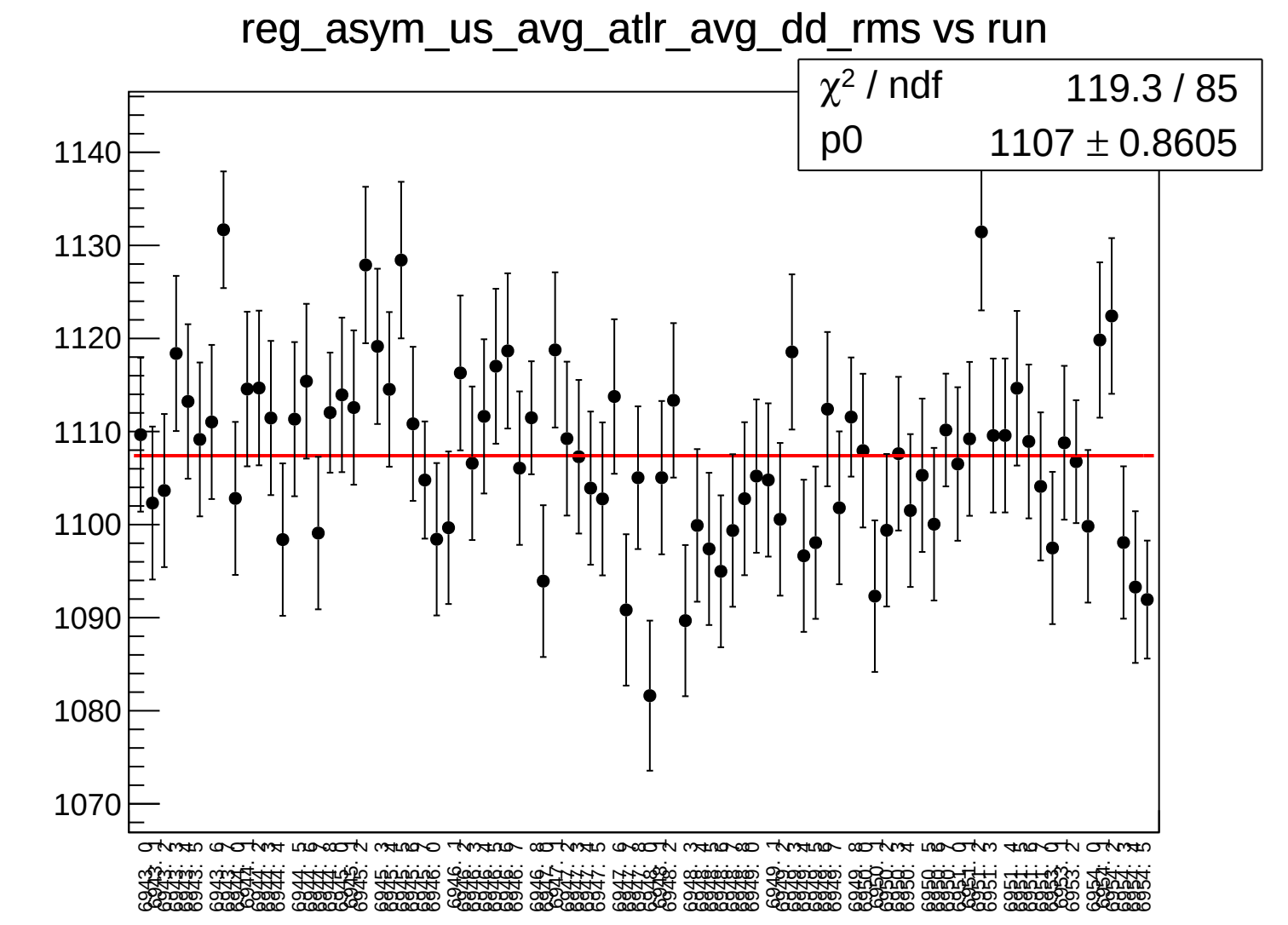

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 114.2 / 85
p0 −2.991e−13 ± 1.77e−13
pull
Entries 86
Mean −18.68
Std Dev 0

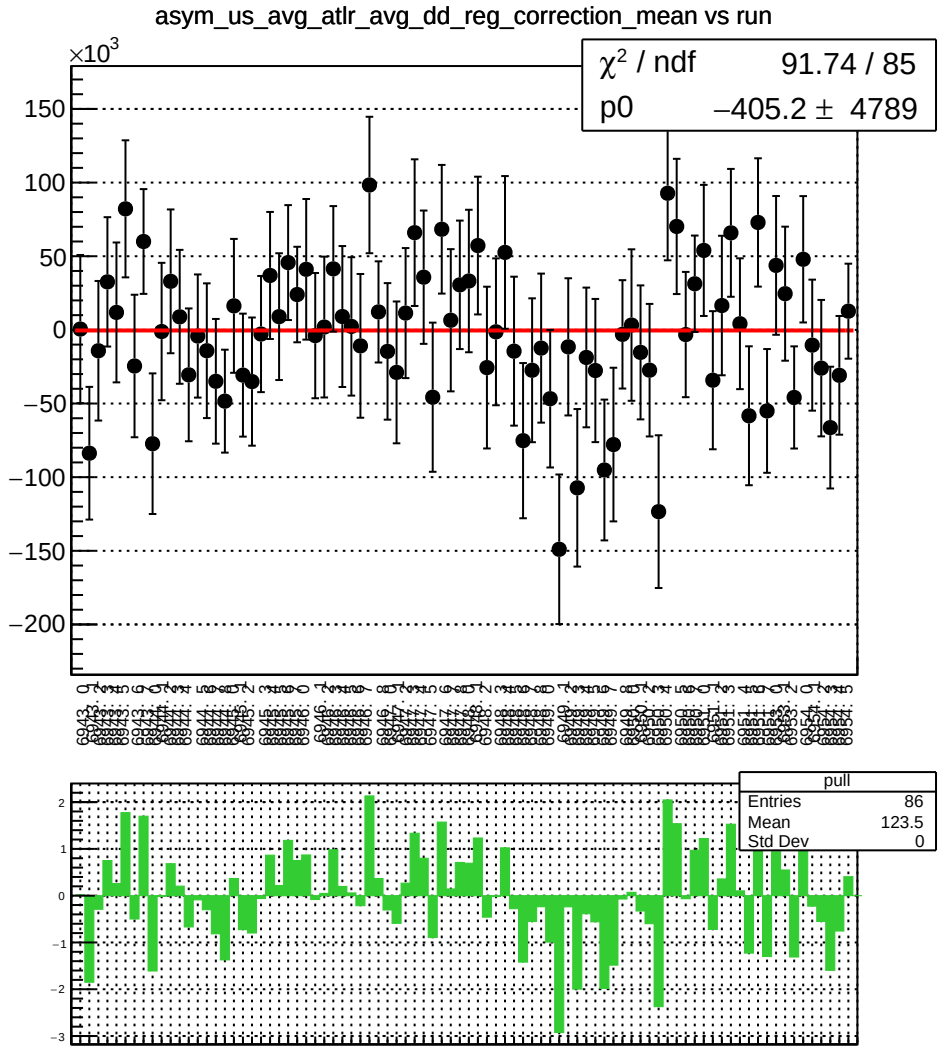

pull1D
Entries 86
Mean −0.02538
Std Dev 1.152

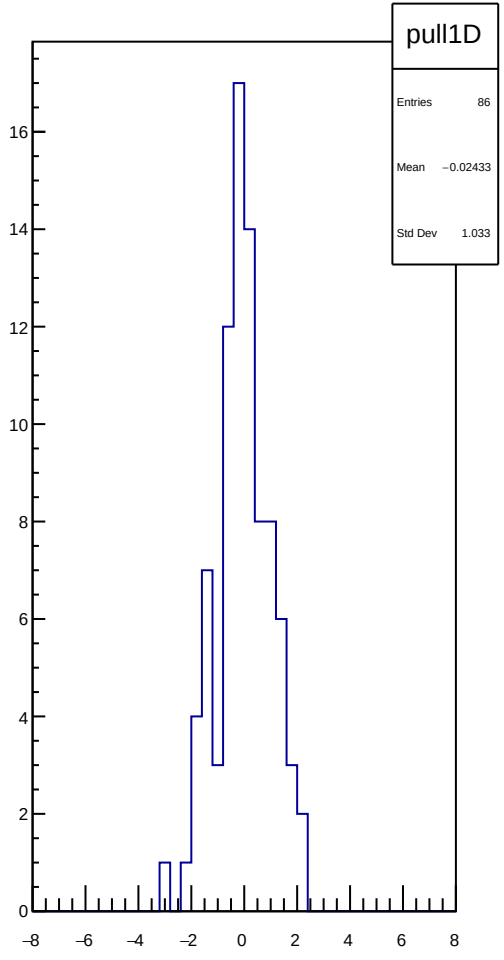

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.788e+05 / 85
p0 1.237e−10 ± 1.252e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

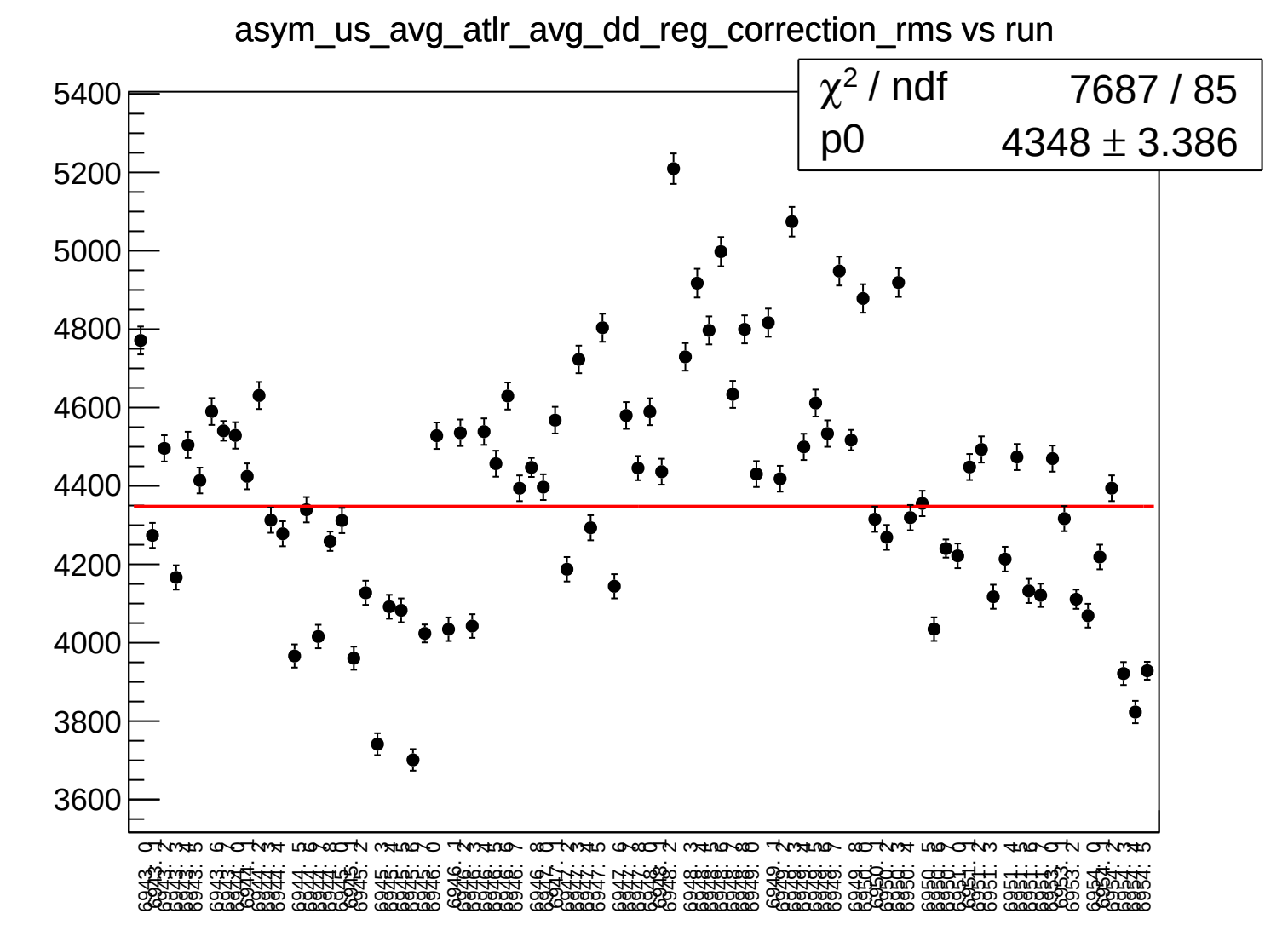

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 99.18 / 85
p0 1196 ± 1217
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −110.3
Std Dev 0
3
2
1
0
−1
−2

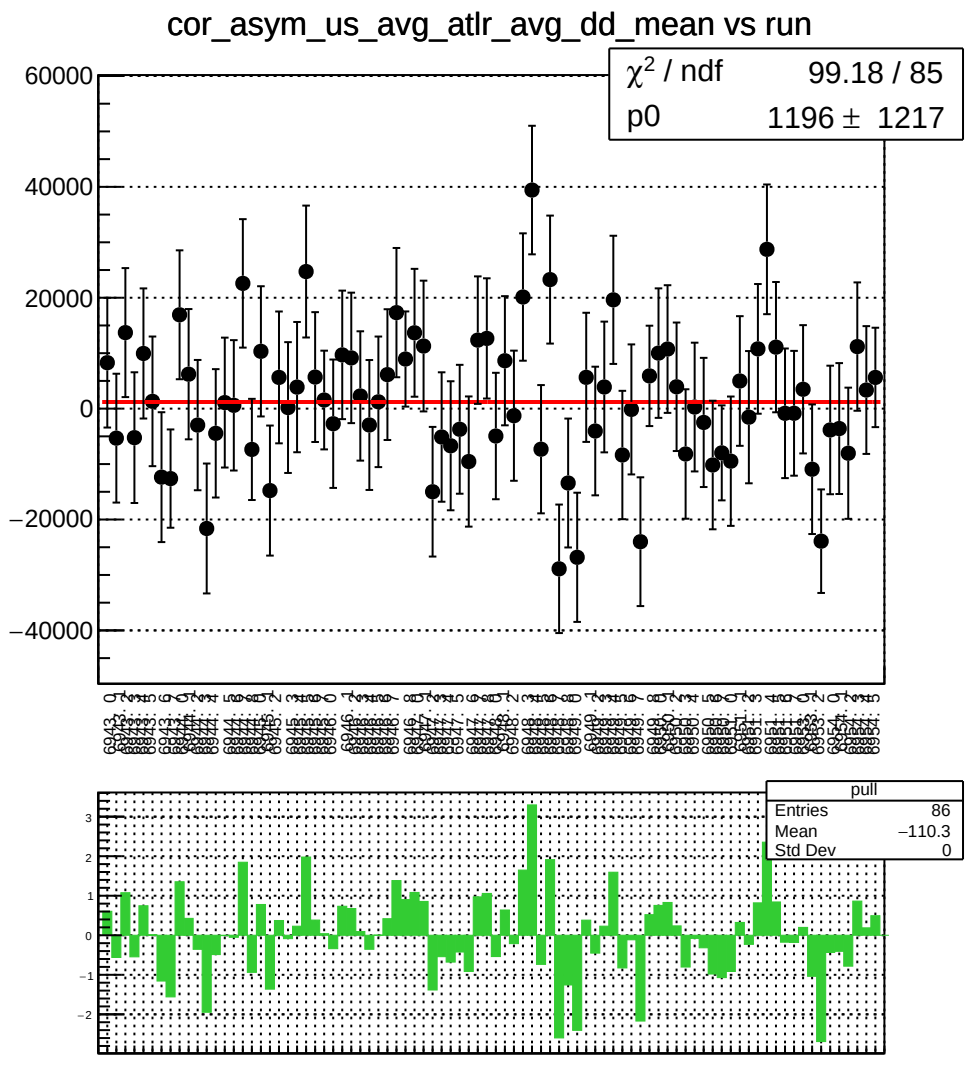

pull1D
Entries 86
Mean 0.01234
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

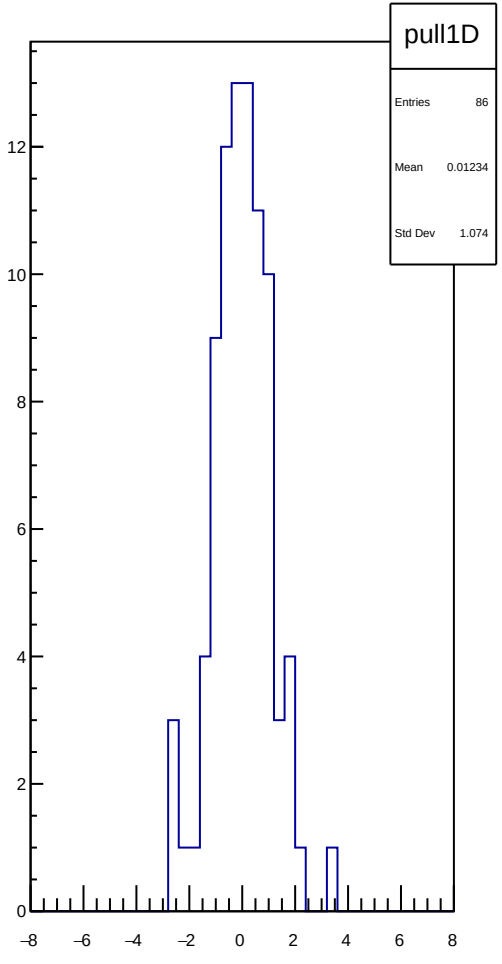

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 119.3 / 85
p0 1107 ± 0.8605
1140
1130
1120
1110
1100
1090
1080
1070

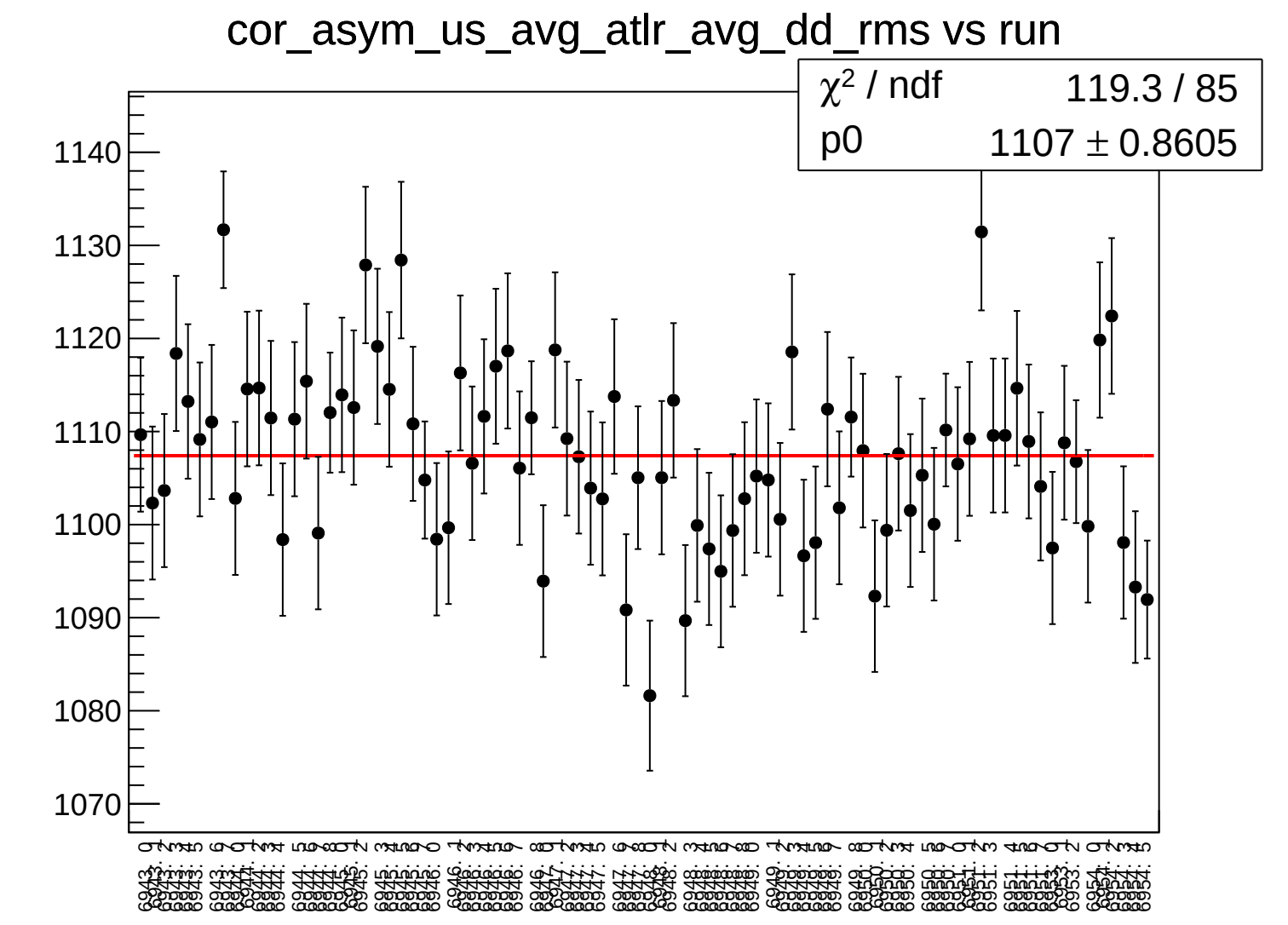

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 91.74 / 85
p0 −405.2 ± 4789
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 123.5
Std Dev 0
2
1
0
−1
−2
−3

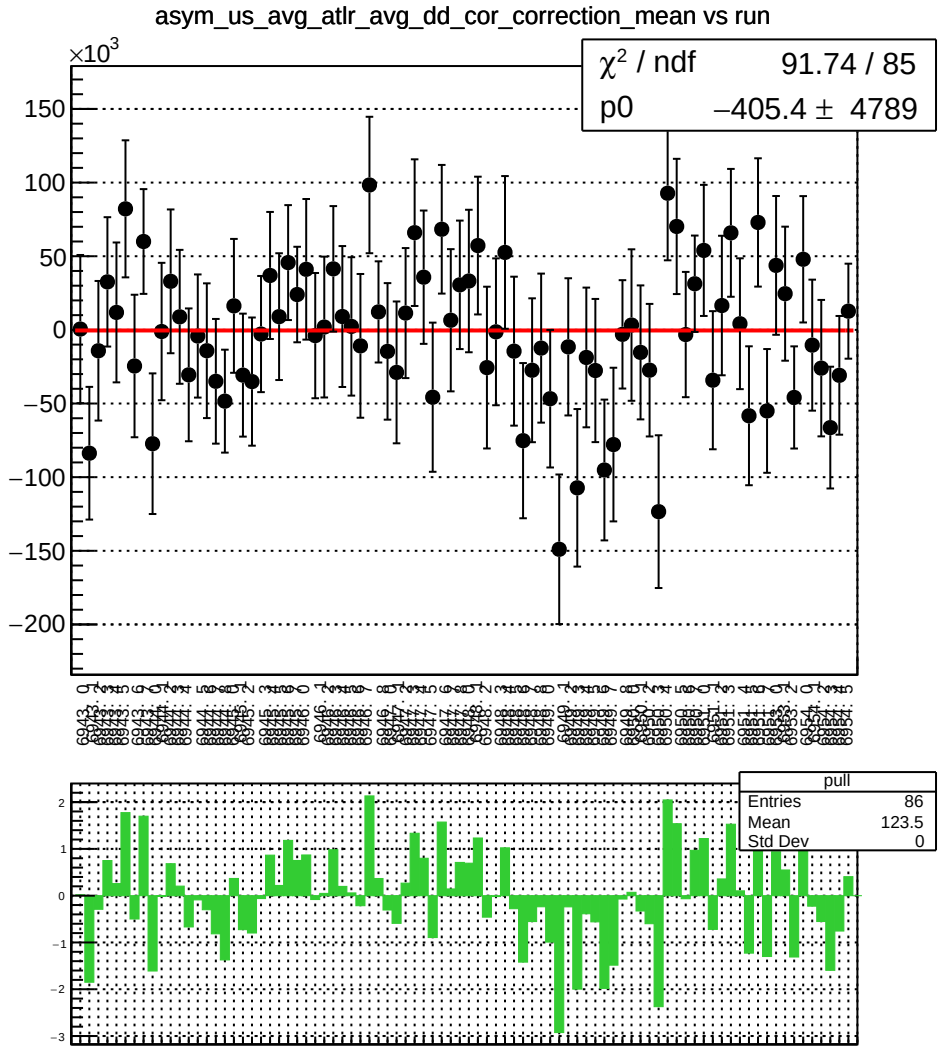

pull1D
Entries 86
Mean −0.02433
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

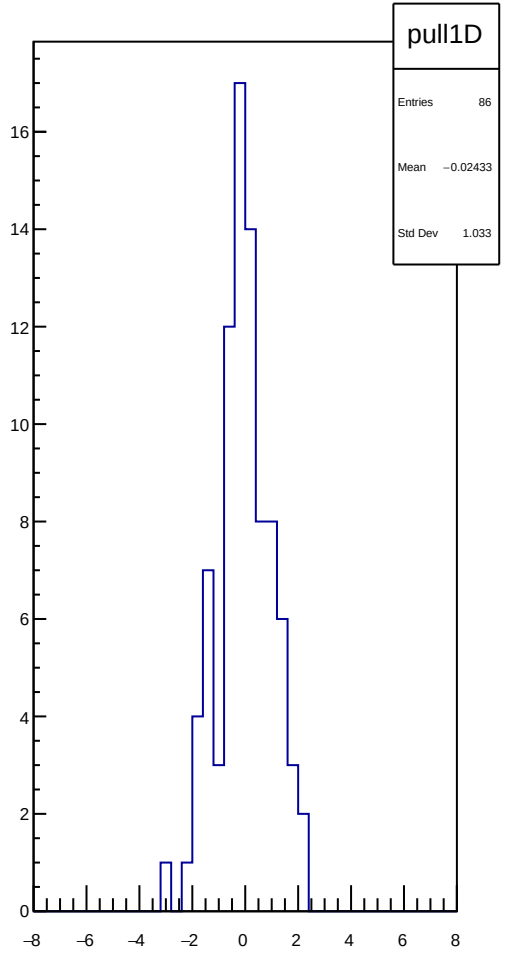

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 7687 / 85
p0 4348 ± 3.386
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

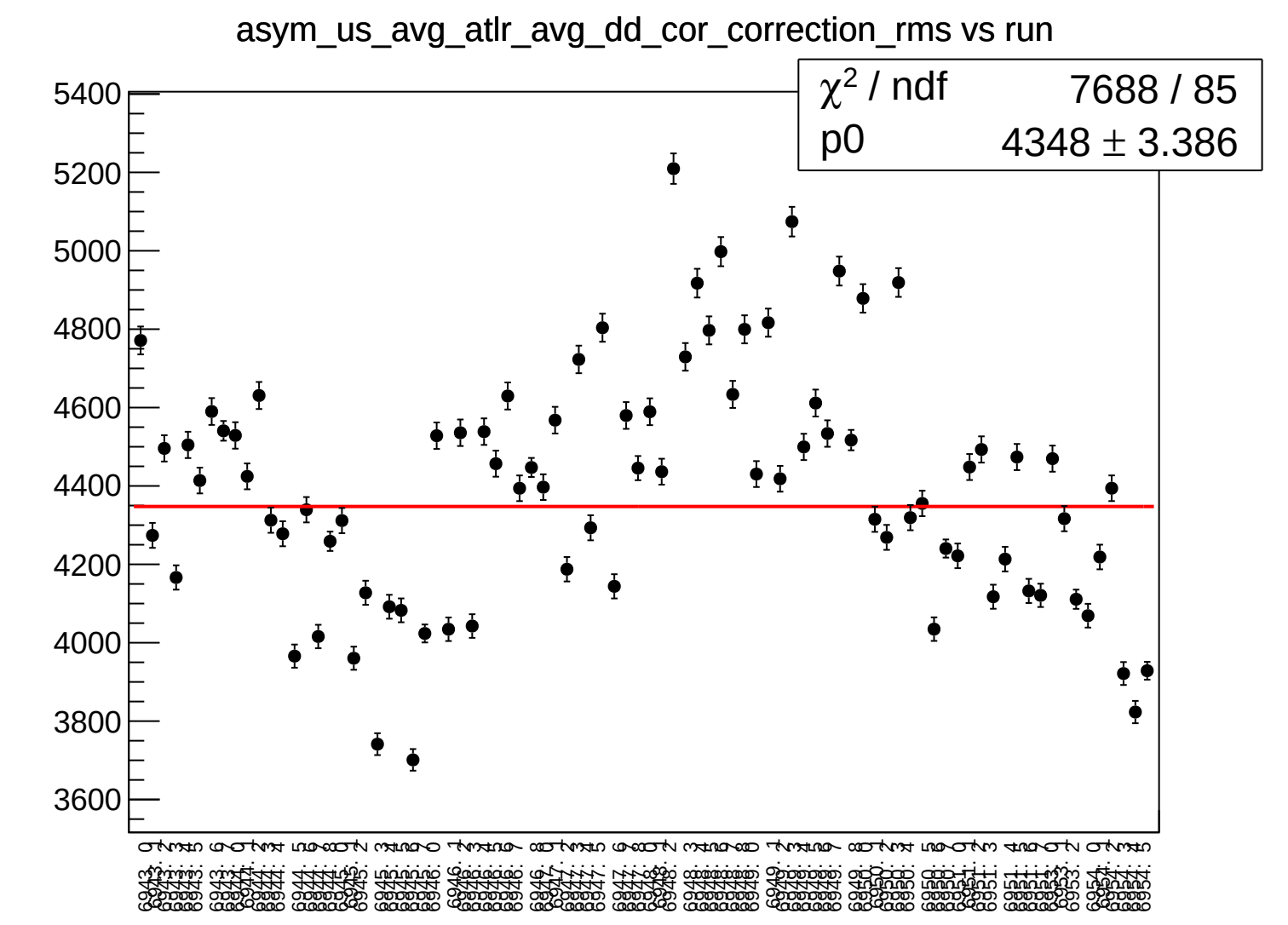

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 99.18 / 85
p0 1196 ± 1217
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −110.3
Std Dev 0
3
2
1
0
−1
−2

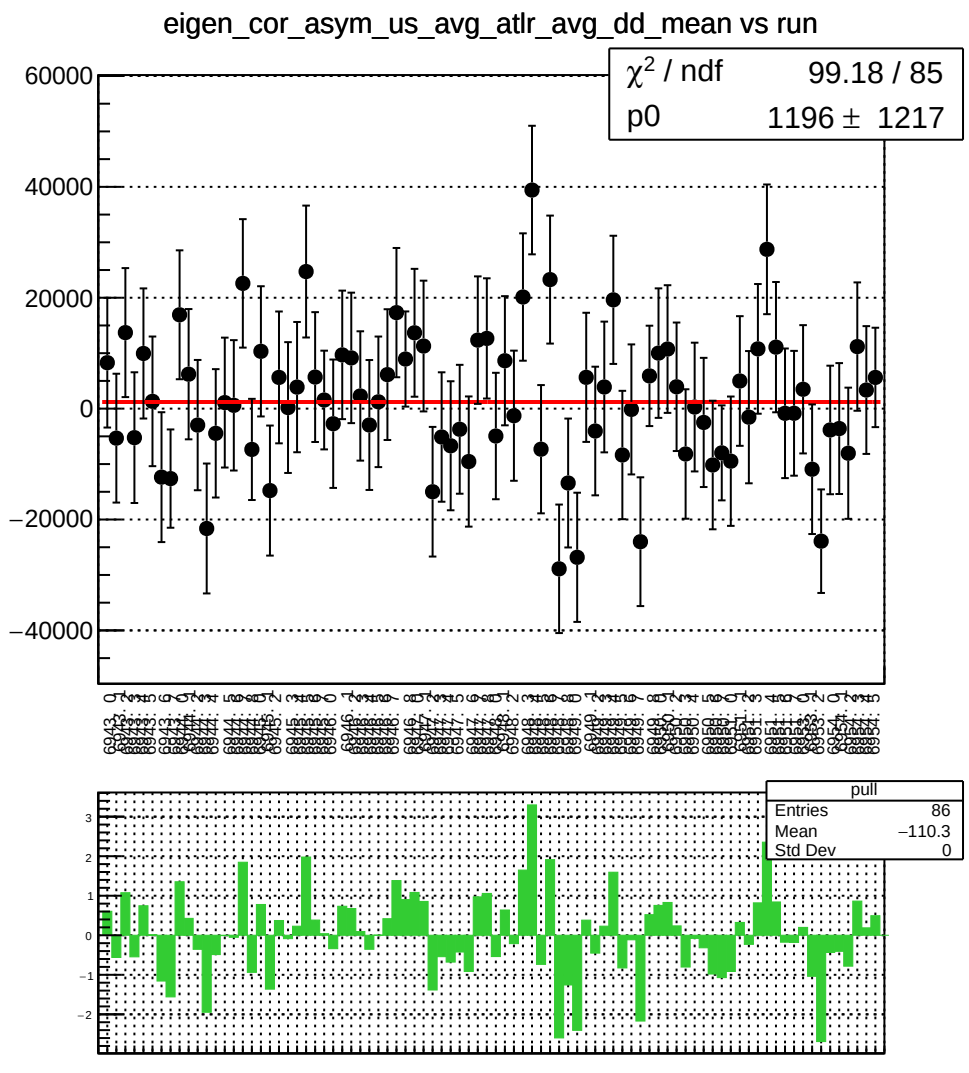

pull1D
Entries 86
Mean 0.01234
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

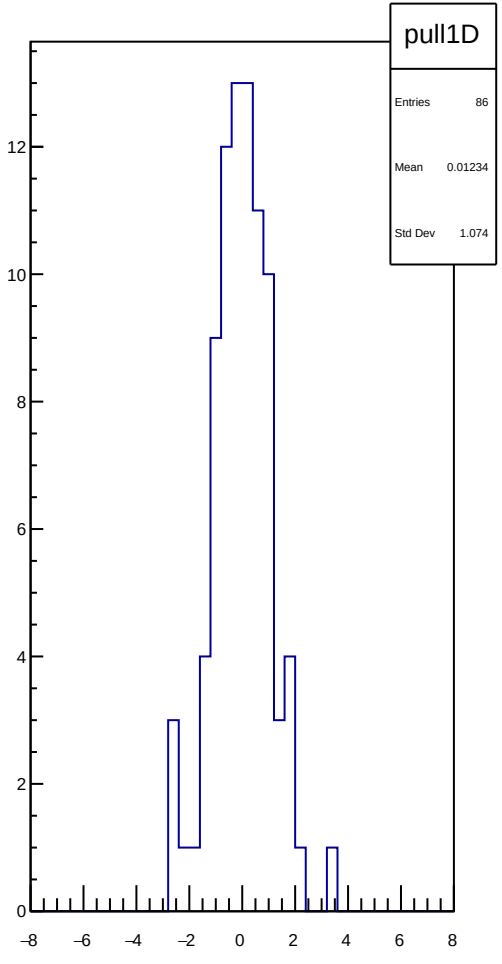

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 119.3 / 85
p0 1107 ± 0.8605
1140
1130
1120
1110
1100
1090
1080
1070

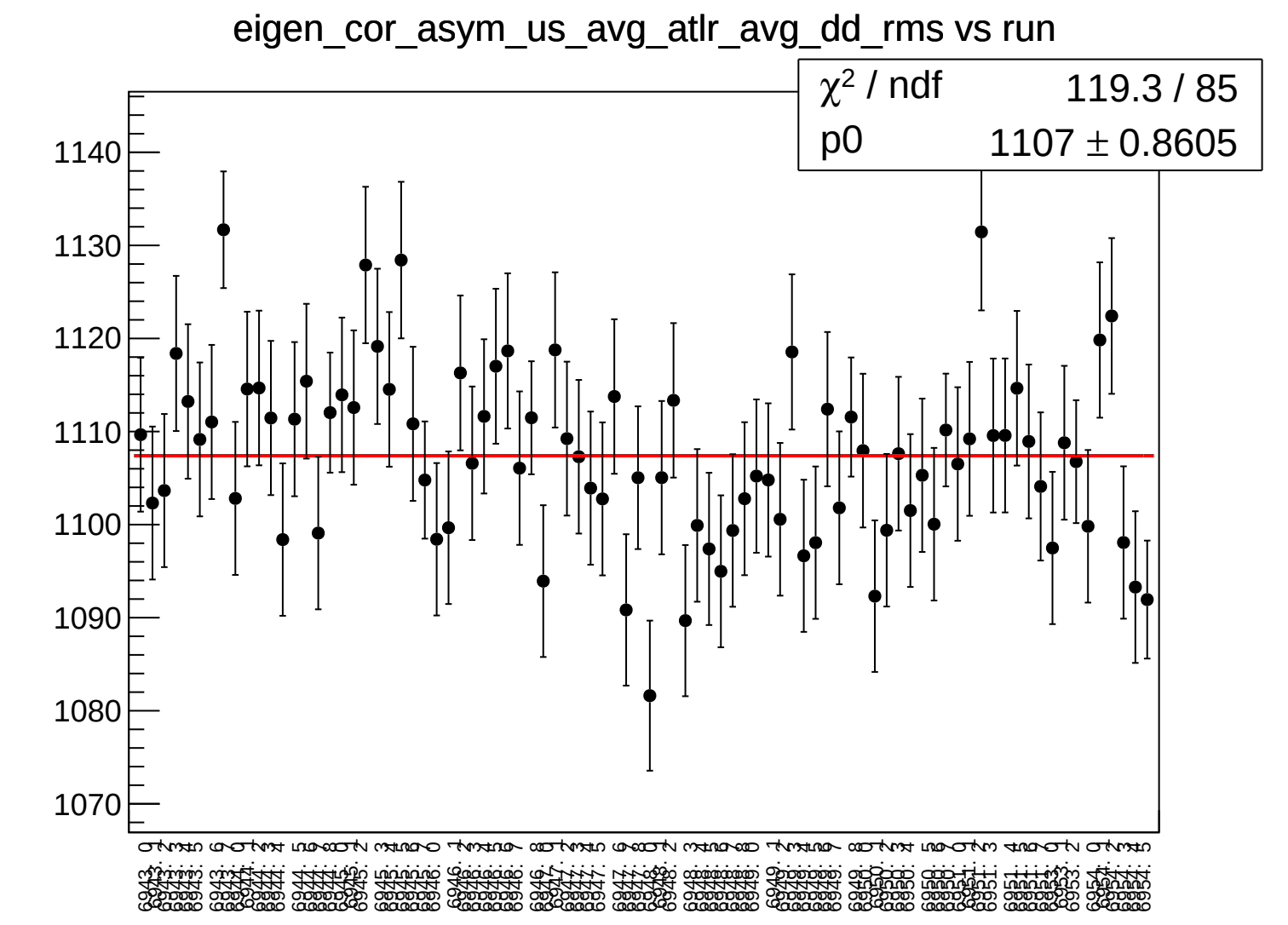

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.74 / 85
p0 −405.4 ± 4789
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 123.5
Std Dev 0
2
1
0
−1
−2
−3

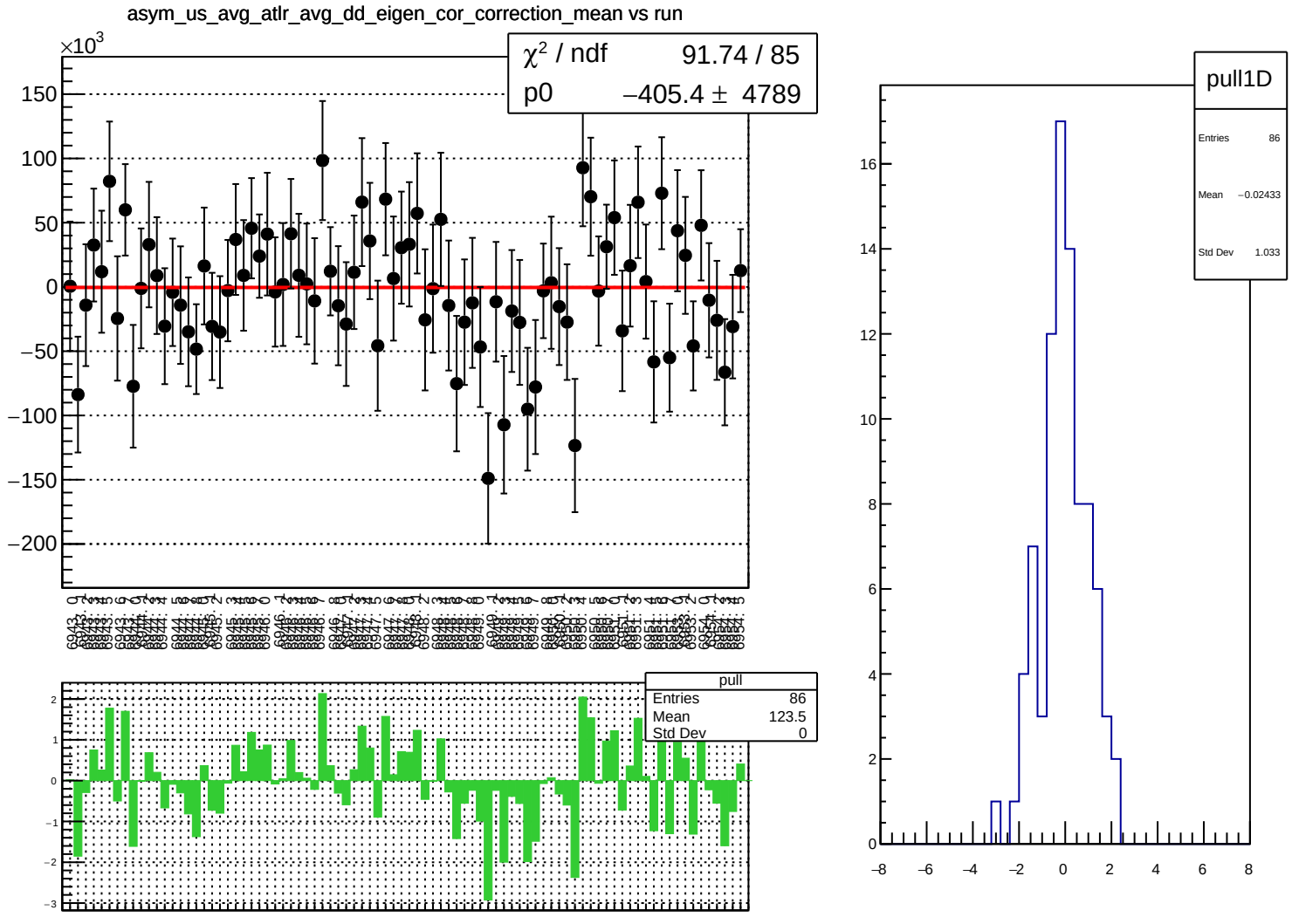

pull1D
Entries 86
Mean −0.02433
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

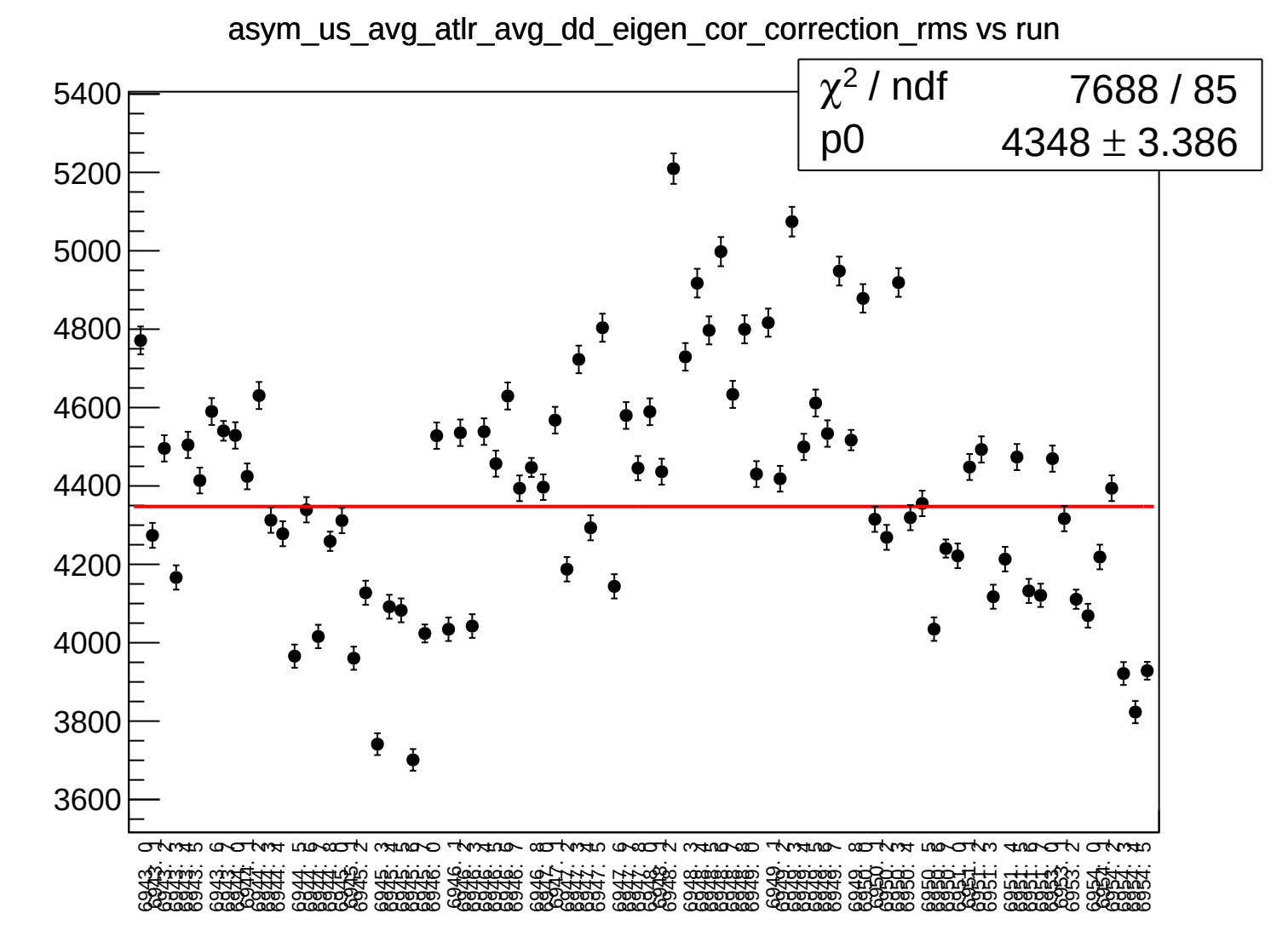

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 7688 / 85
p0 4348 ± 3.386
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

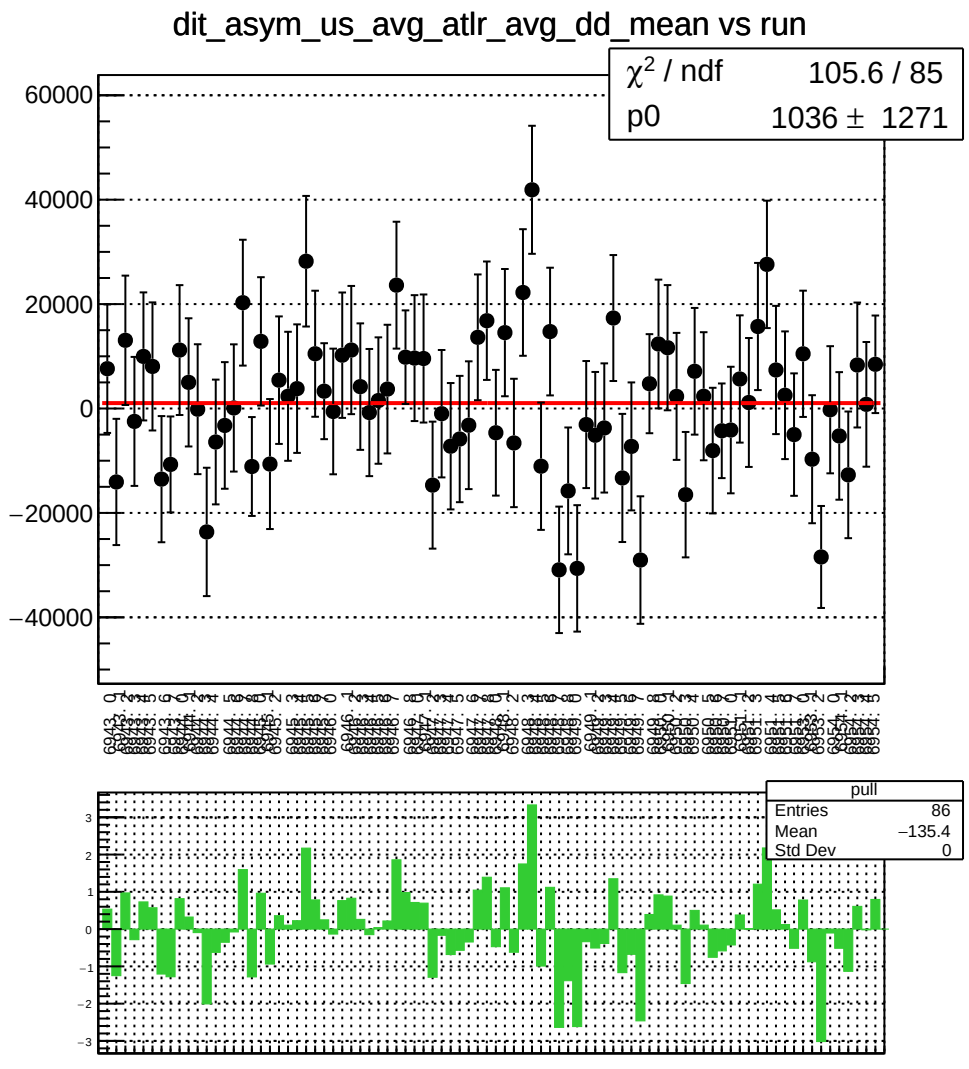

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 99.18 / 85
p0 1196 ± 1217
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −110.3
Std Dev 0
3
2
1
0
−1
−2

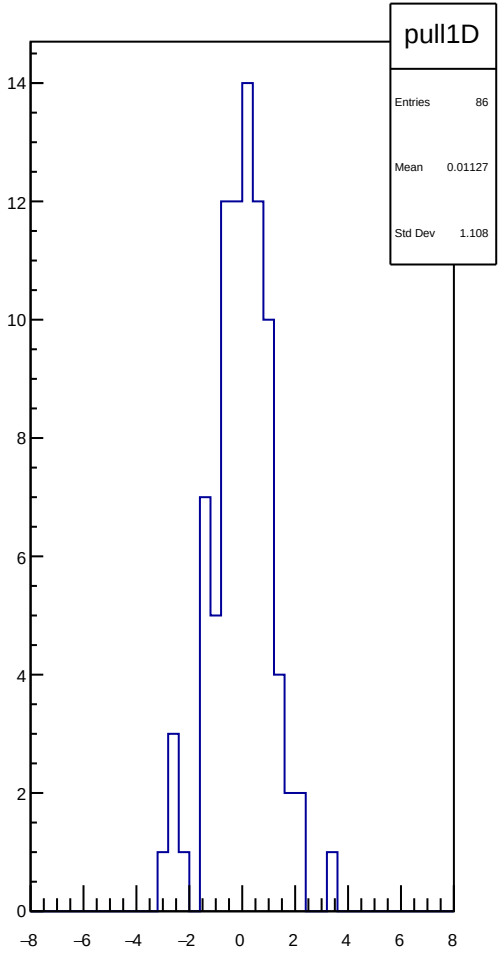

pull1D
Entries 86
Mean 0.01234
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

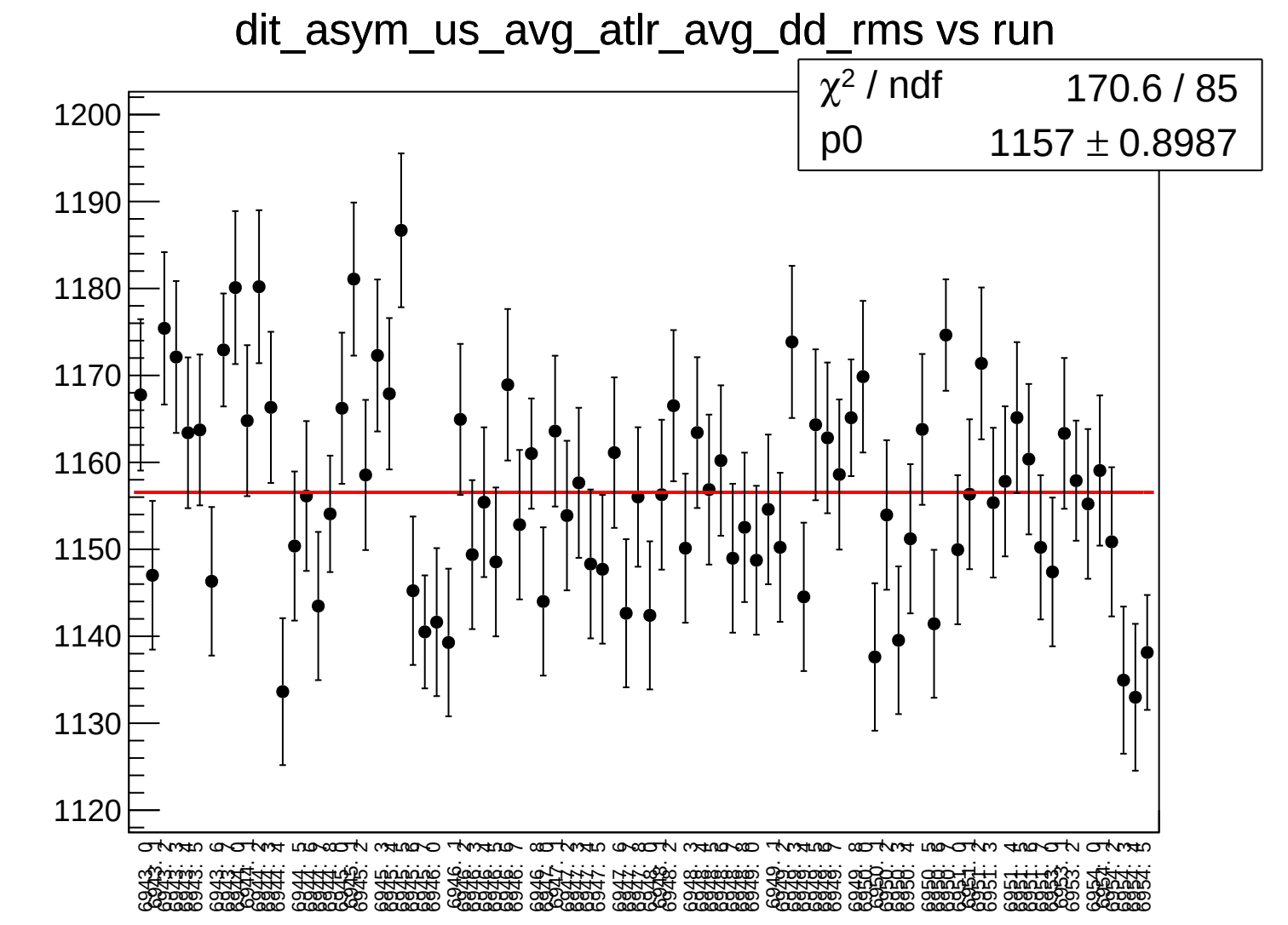

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 119.3 / 85
p0 1107 ± 0.8605
1140
1130
1120
1110
1100
1090
1080
1070

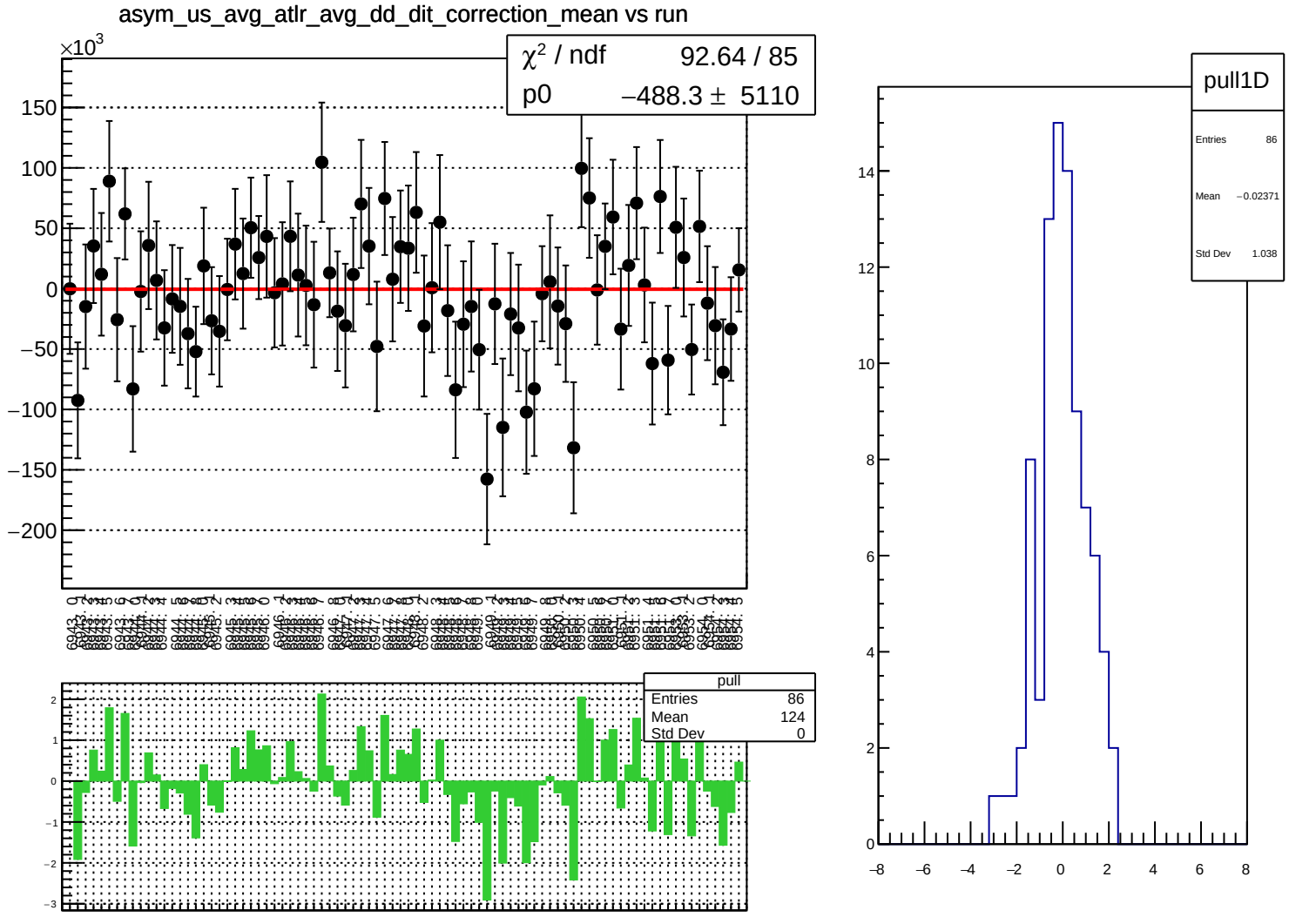

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.74 / 85
p0 −405.4 ± 4789
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 123.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02433
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

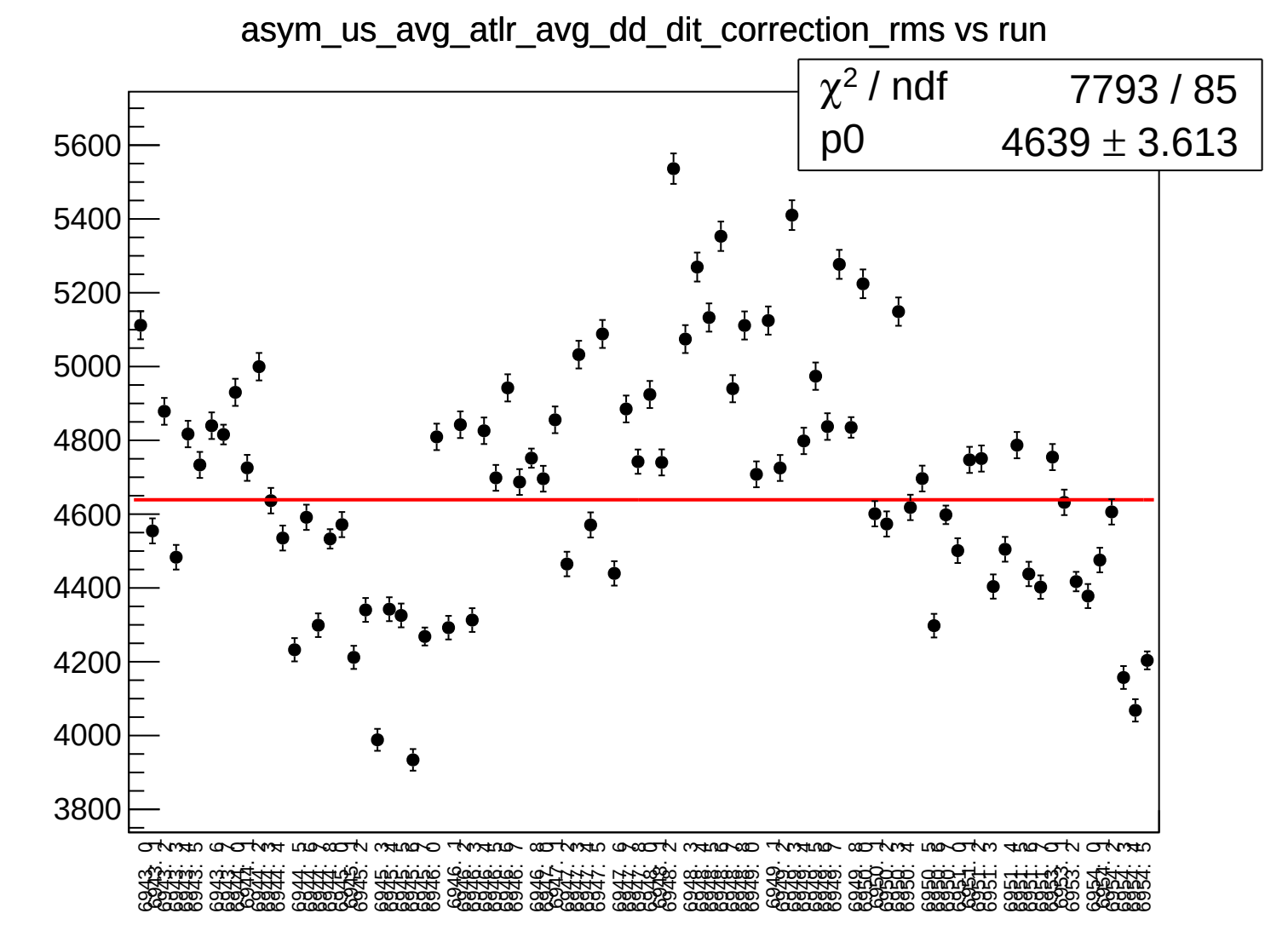

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7688 / 85
p0 4348 ± 3.386
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

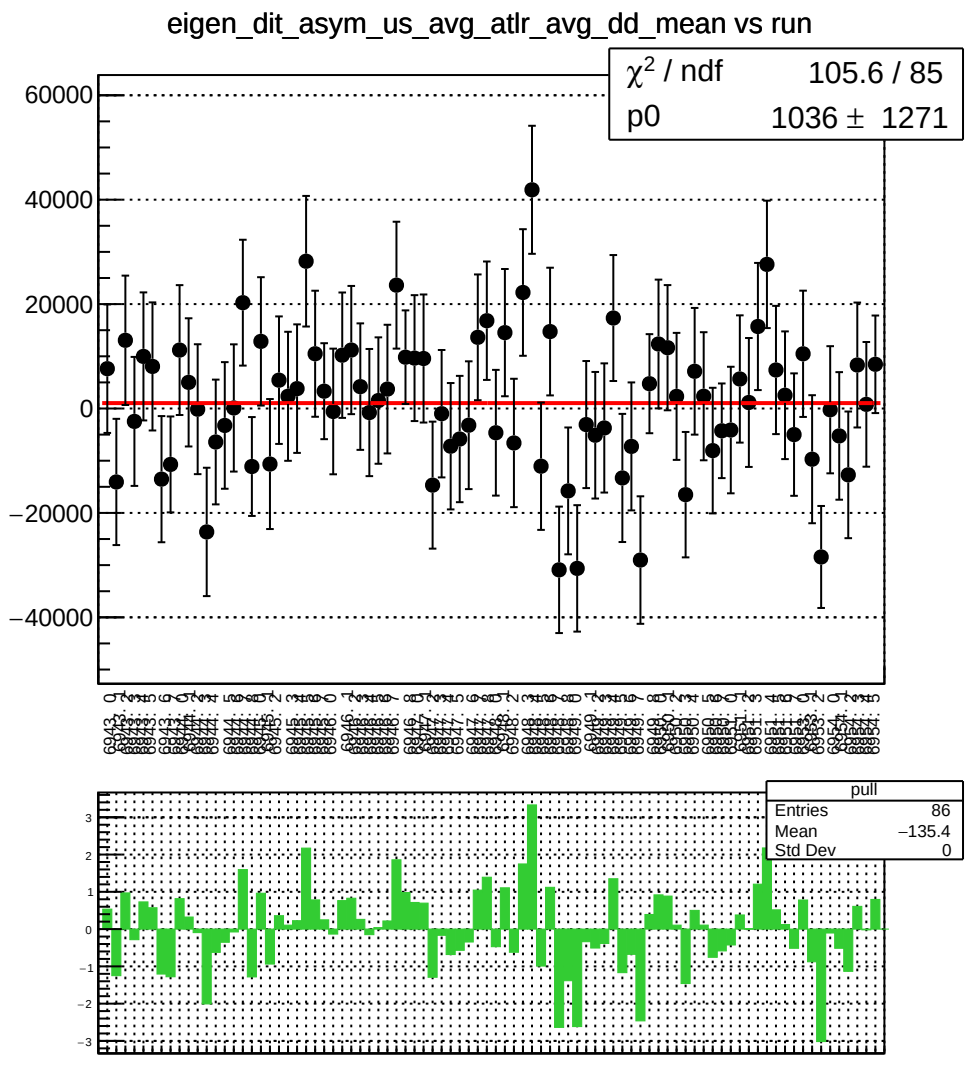

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 105.6 / 85
p0 1036 ± 1271
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −135.4
Std Dev 0
3
2
1
0
−1
−2
−3

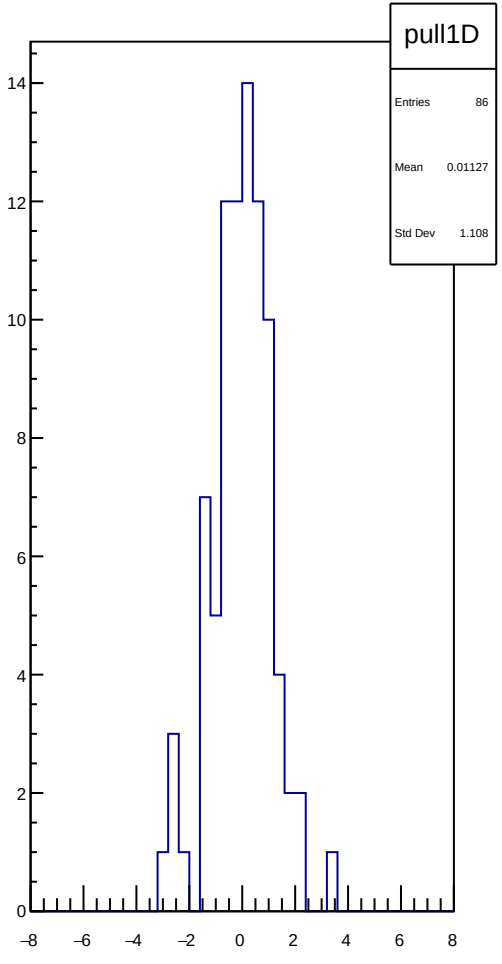

pull1D
Entries 86
Mean 0.01127
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

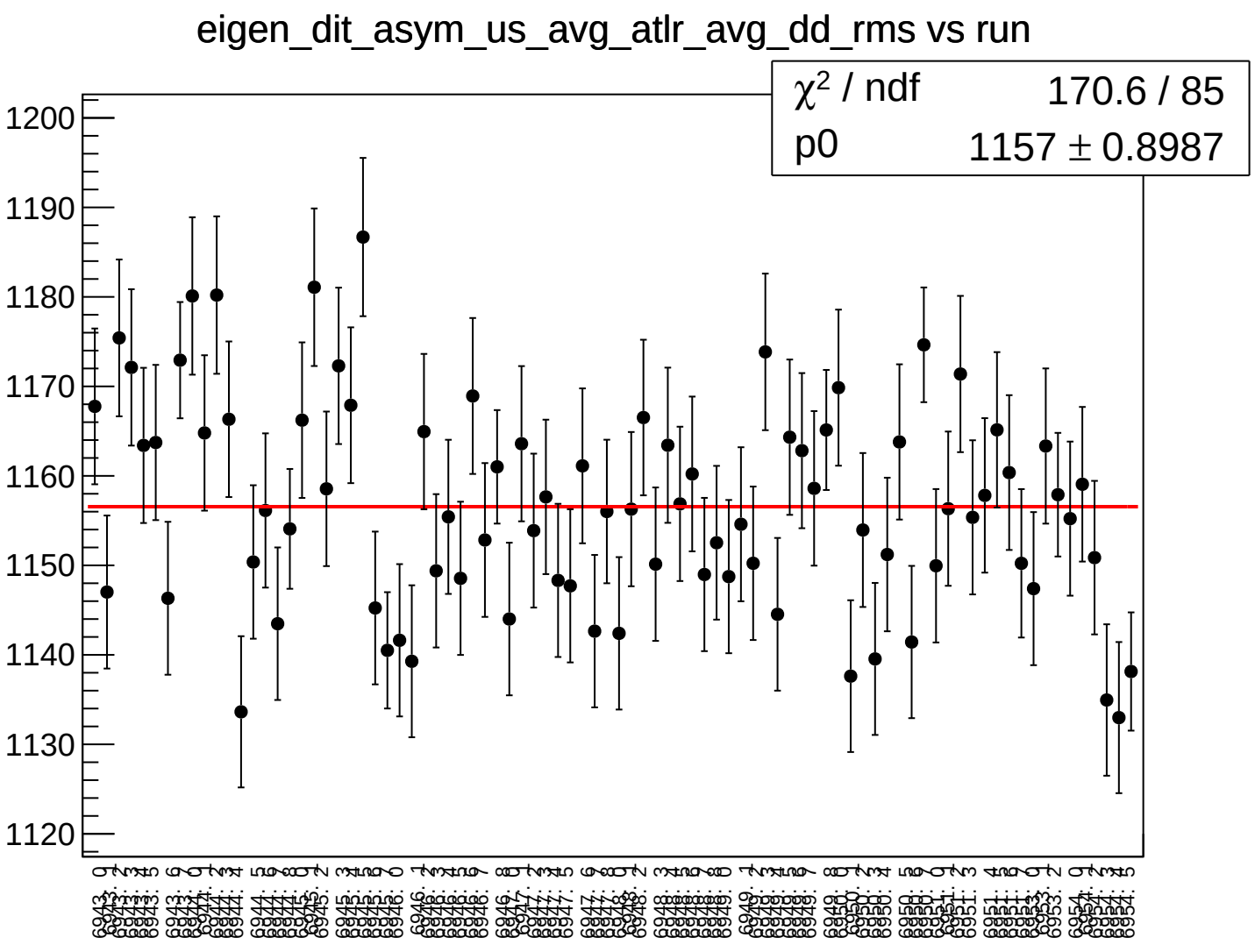

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 170.6 / 85
p0 1157 ± 0.8987
1200
1190
1180
1170
1160
1150
1140
1130
1120

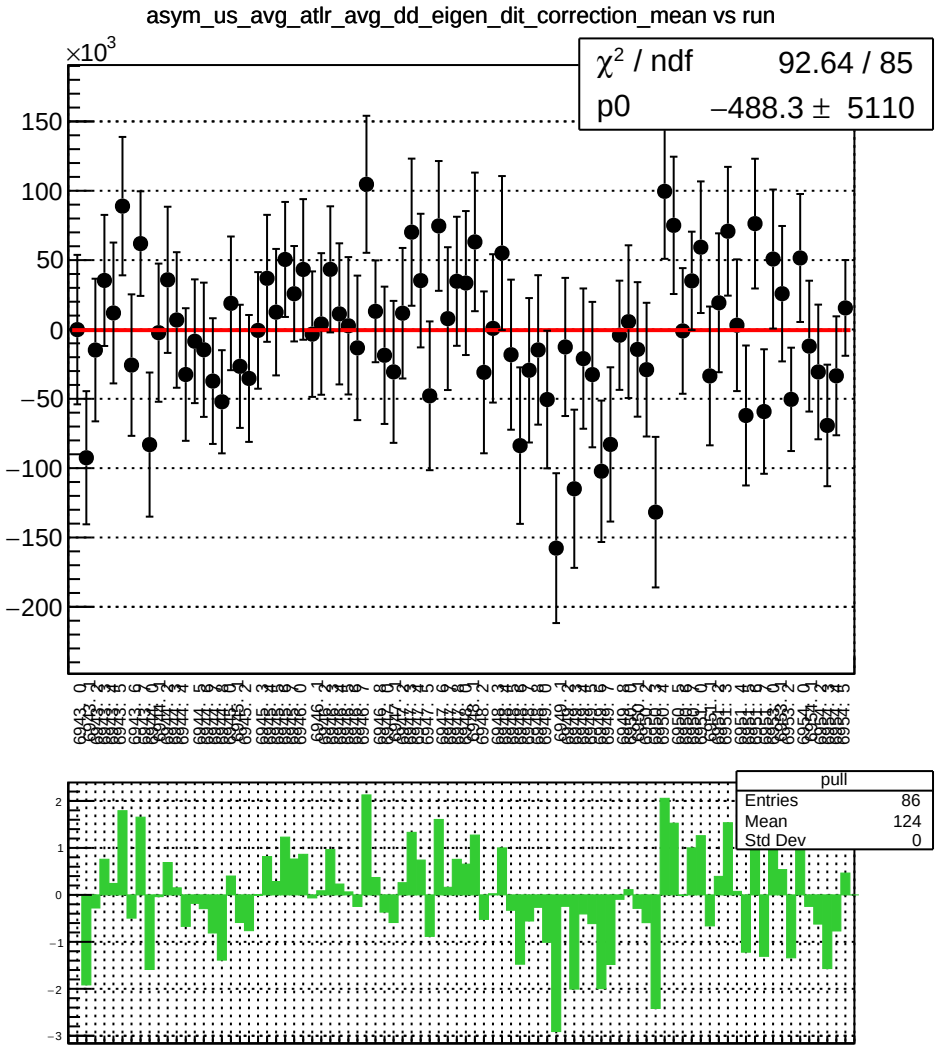

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 92.64 / 85
p0 −488.3 ± 5110
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 124
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02371
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

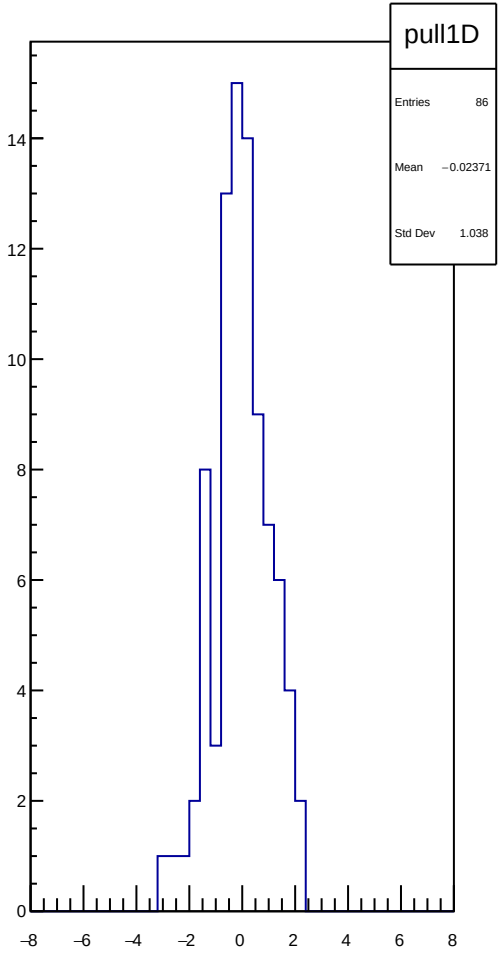

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 7793 / 85
p0 4639 ± 3.613
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

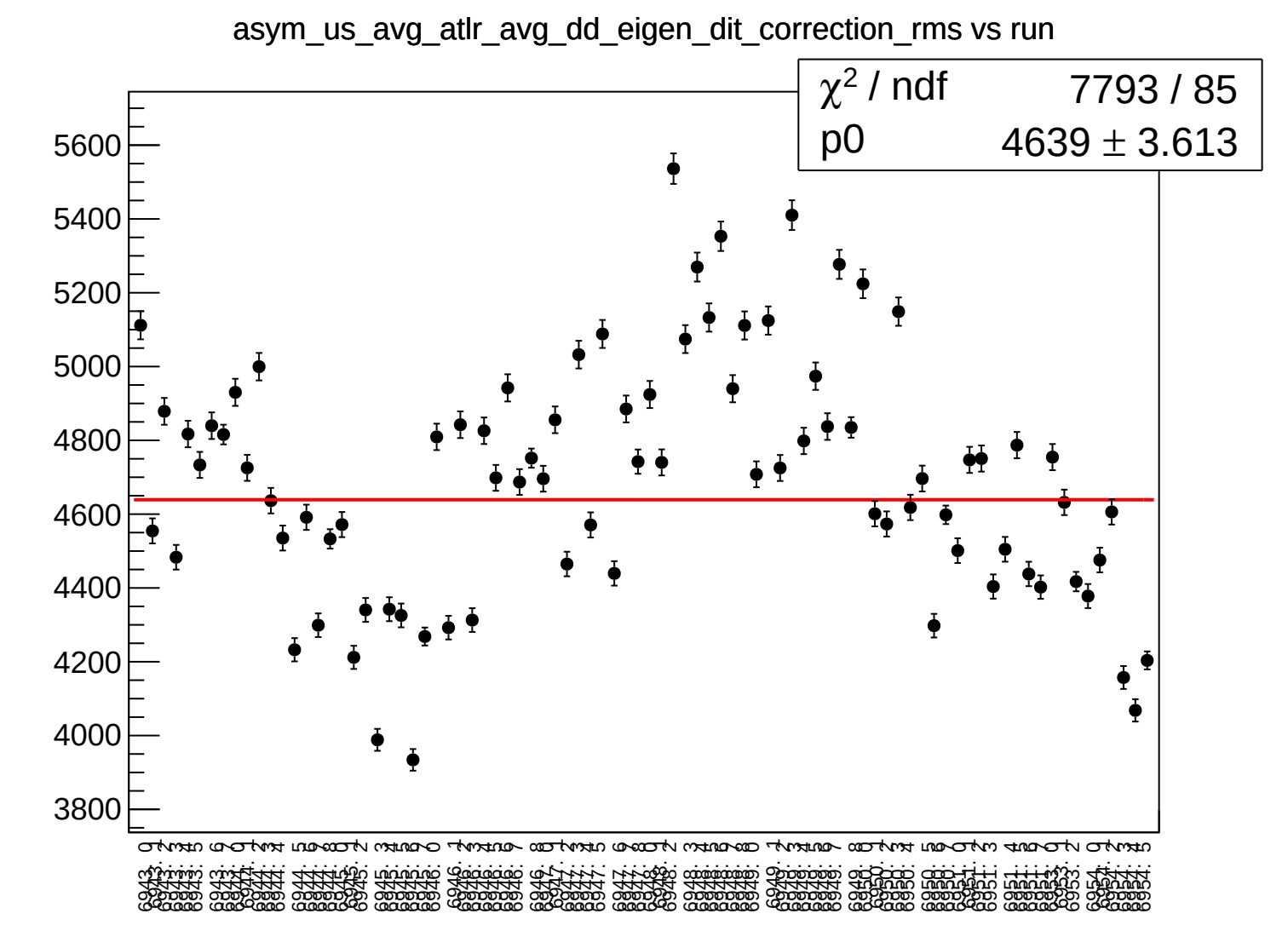

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 105.6 / 85
p0 1036 ± 1271
60000
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −135.4
Std Dev 0
3
2
1
0
−1
−2
−3

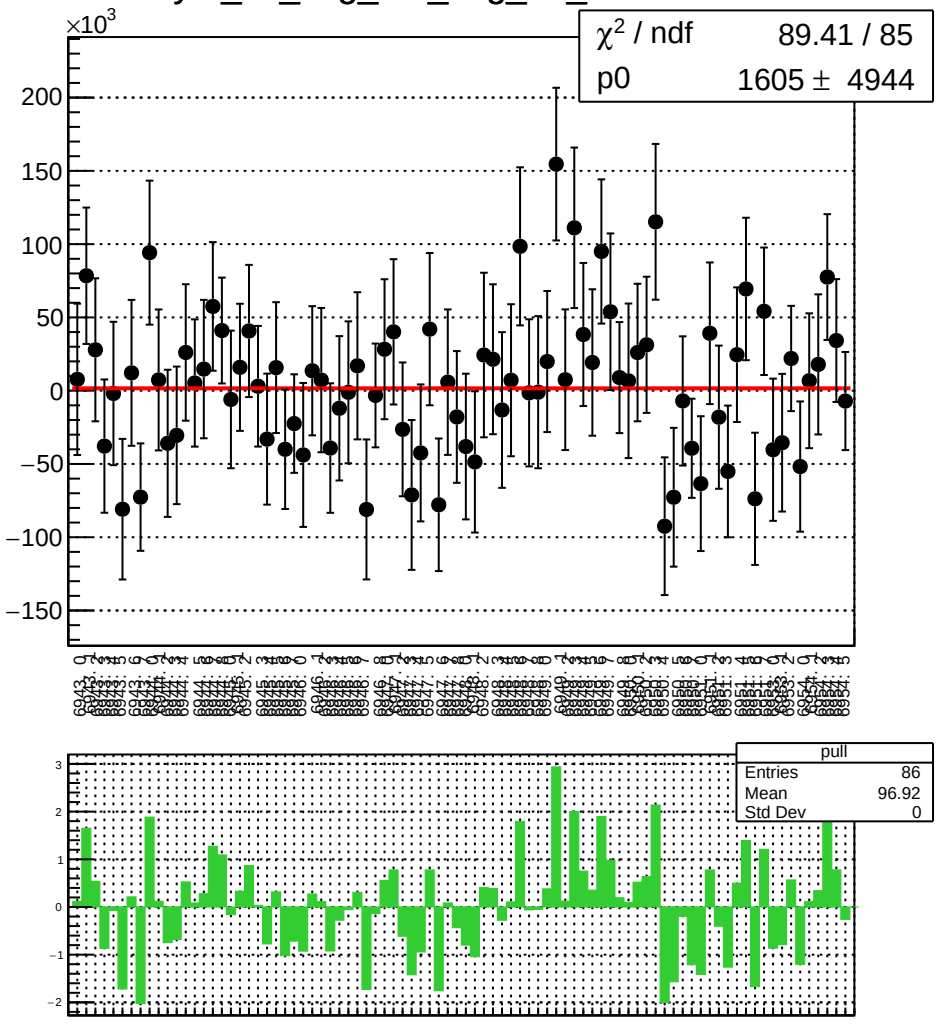

pull1D
Entries 86
Mean 0.01127
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

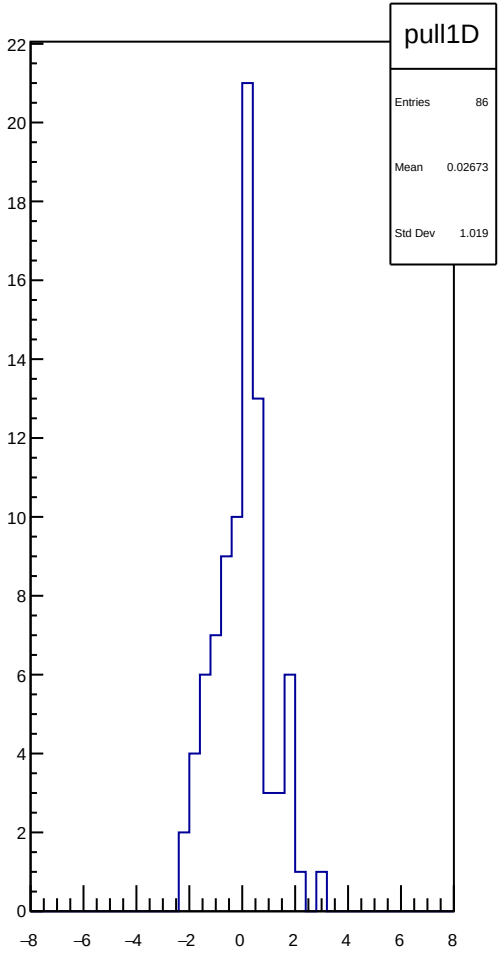

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 170.6 / 85
p0 1157 ± 0.8987
1200
1190
1180
1170
1160
1150
1140
1130
1120

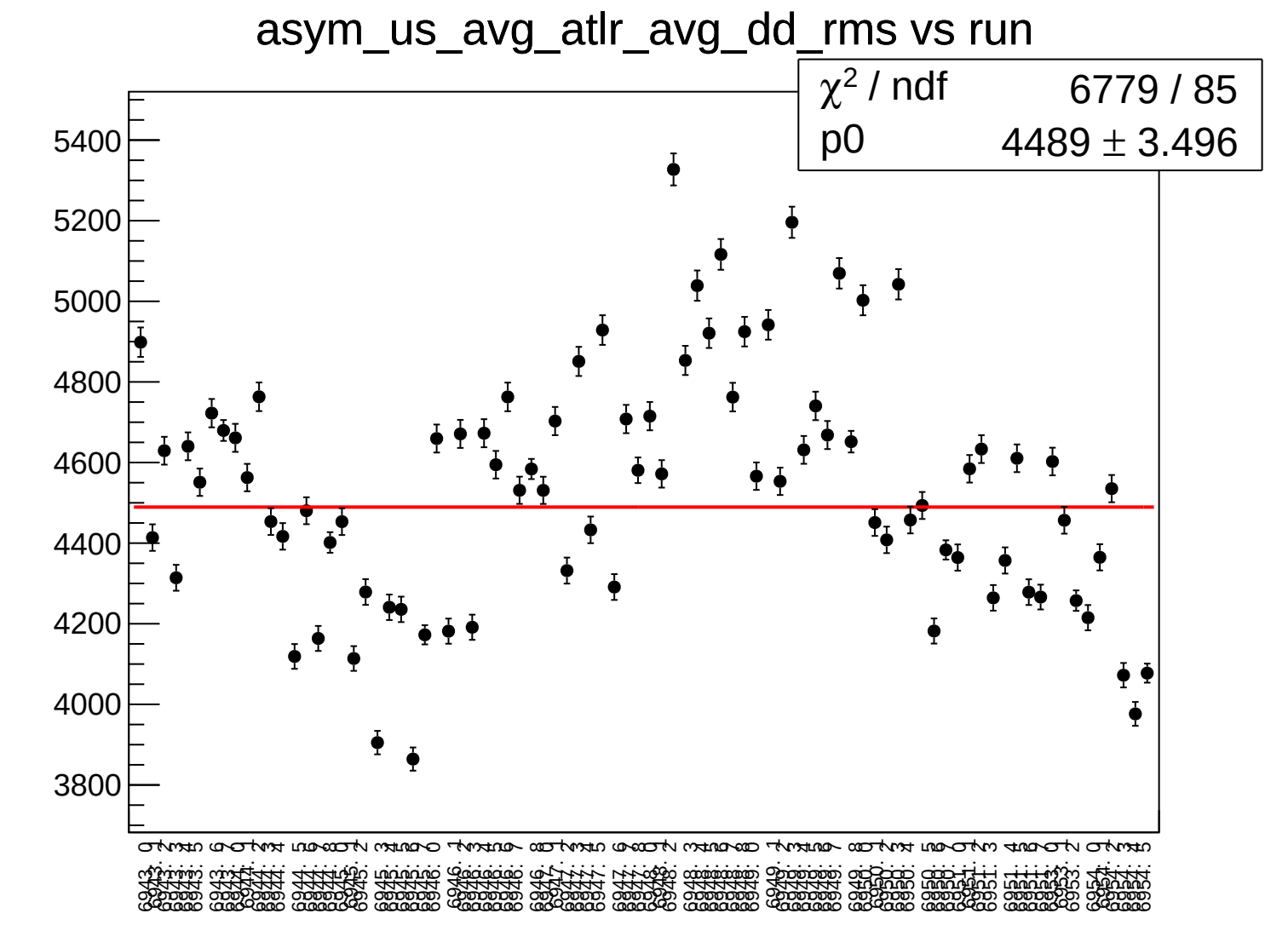

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.64 / 85
p0 −488.3 ± 5110
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 124
Std Dev 0
2
1
0
−1
−2
−3

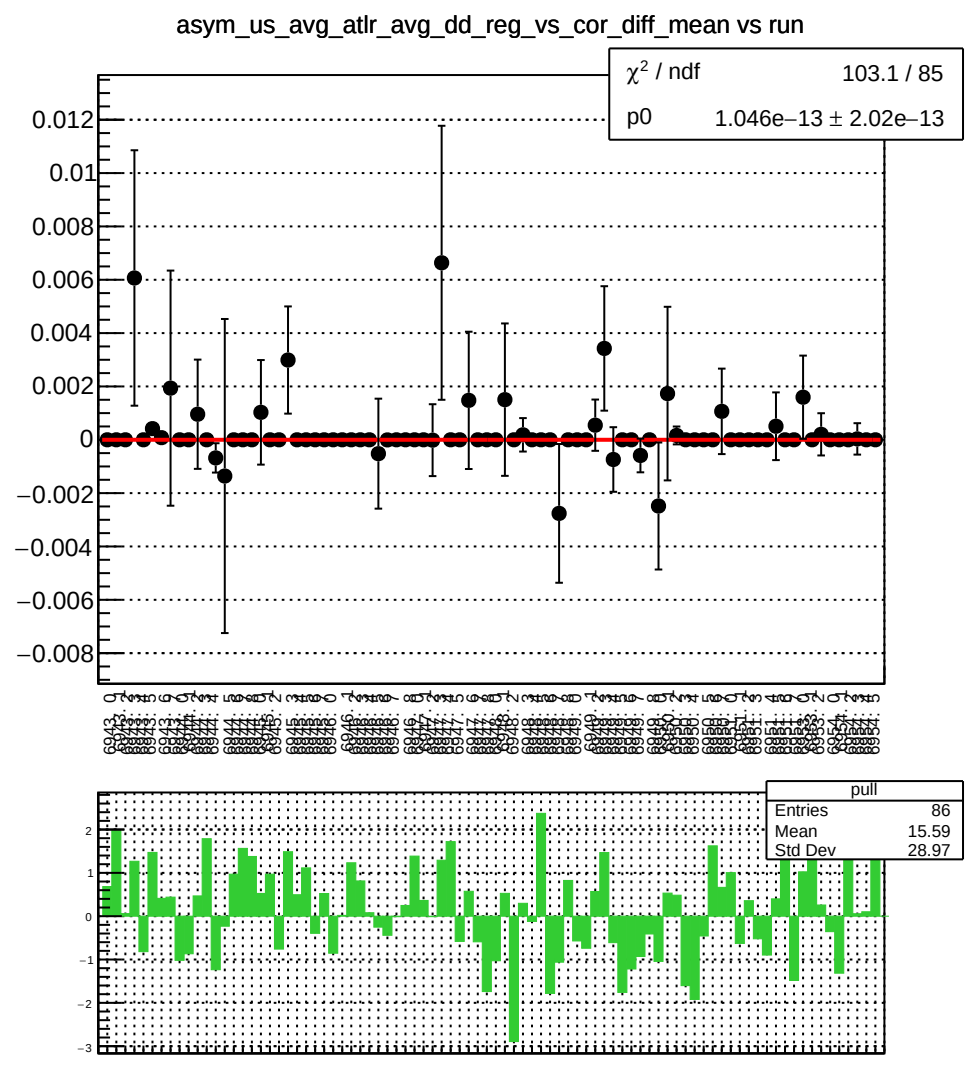

pull1D
Entries 86
Mean −0.02371
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

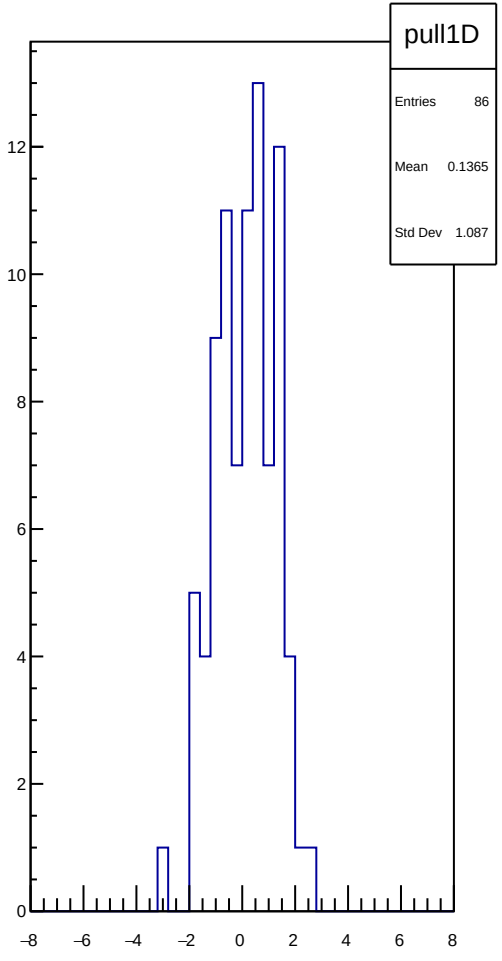

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 7793 / 85
p0 4639 ± 3.613
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

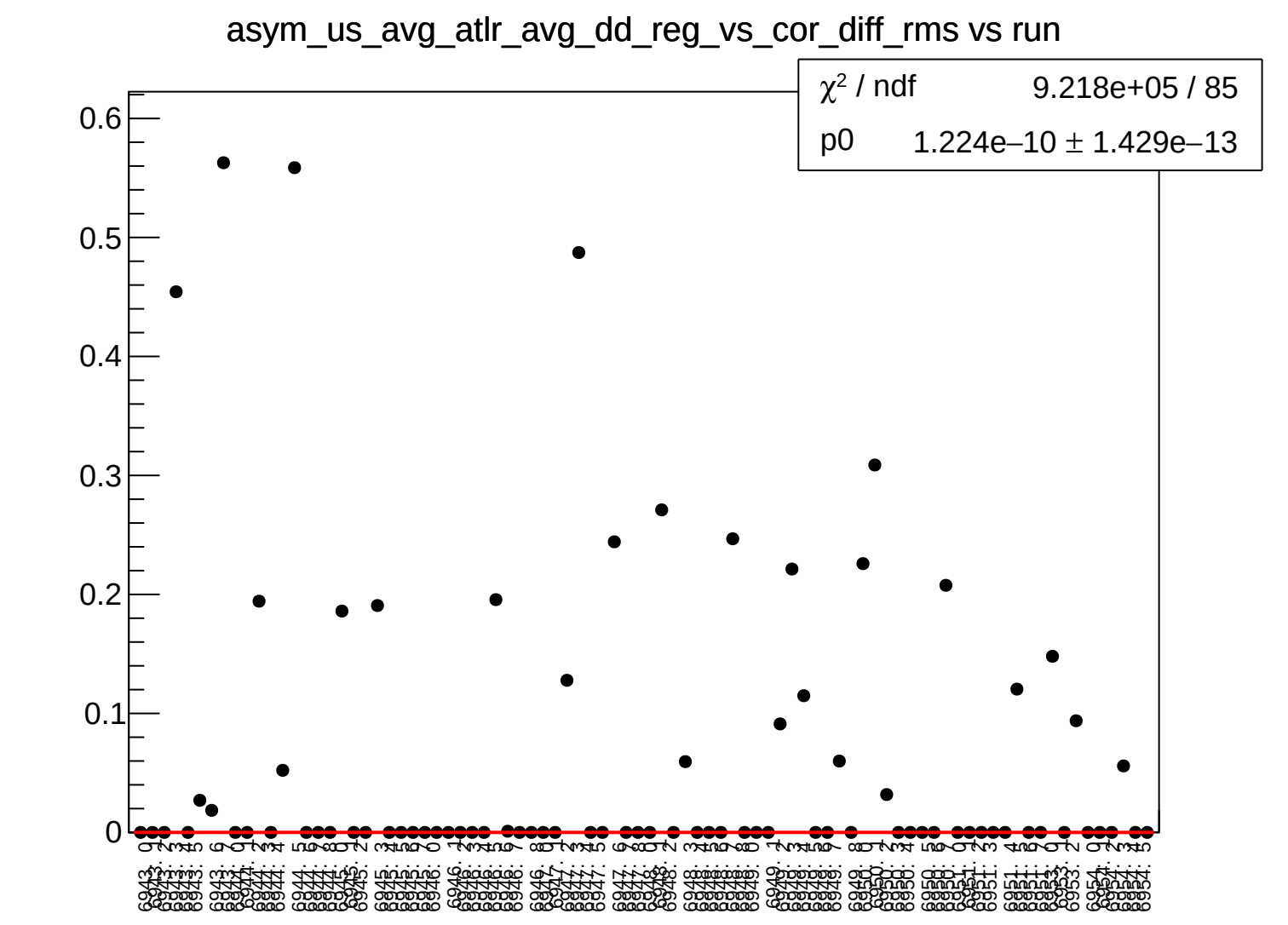

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 89.41 / 85
p0 1605 ± 4944
pull
Entries 86
Mean 96.92
Std Dev 0

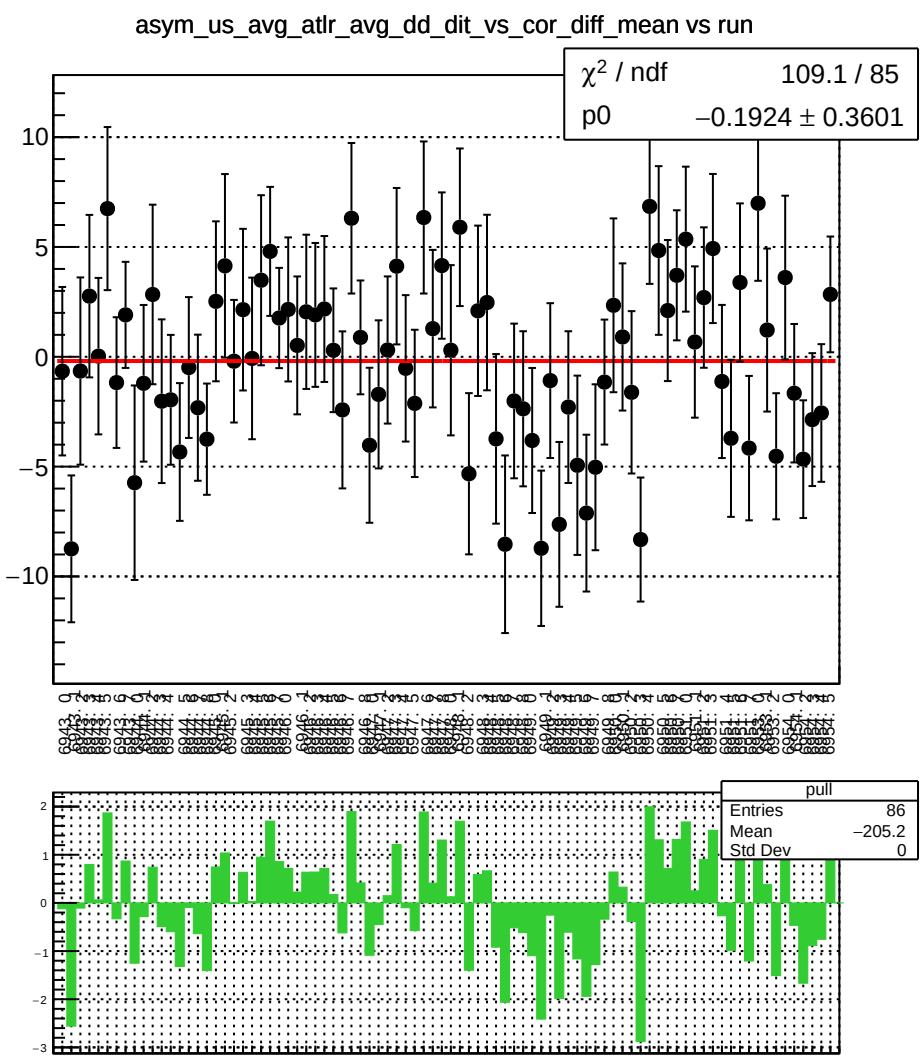

pull1D
Entries 86
Mean 0.02673
Std Dev 1.019

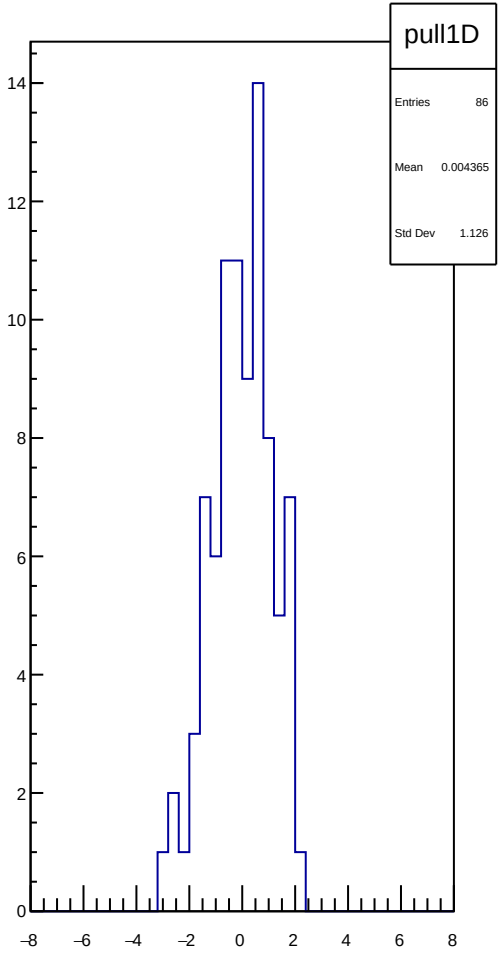

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 6779 / 85
p0 4489 ± 3.496
5400
5200
5000
4800
4600
4400
4200
4000
3800

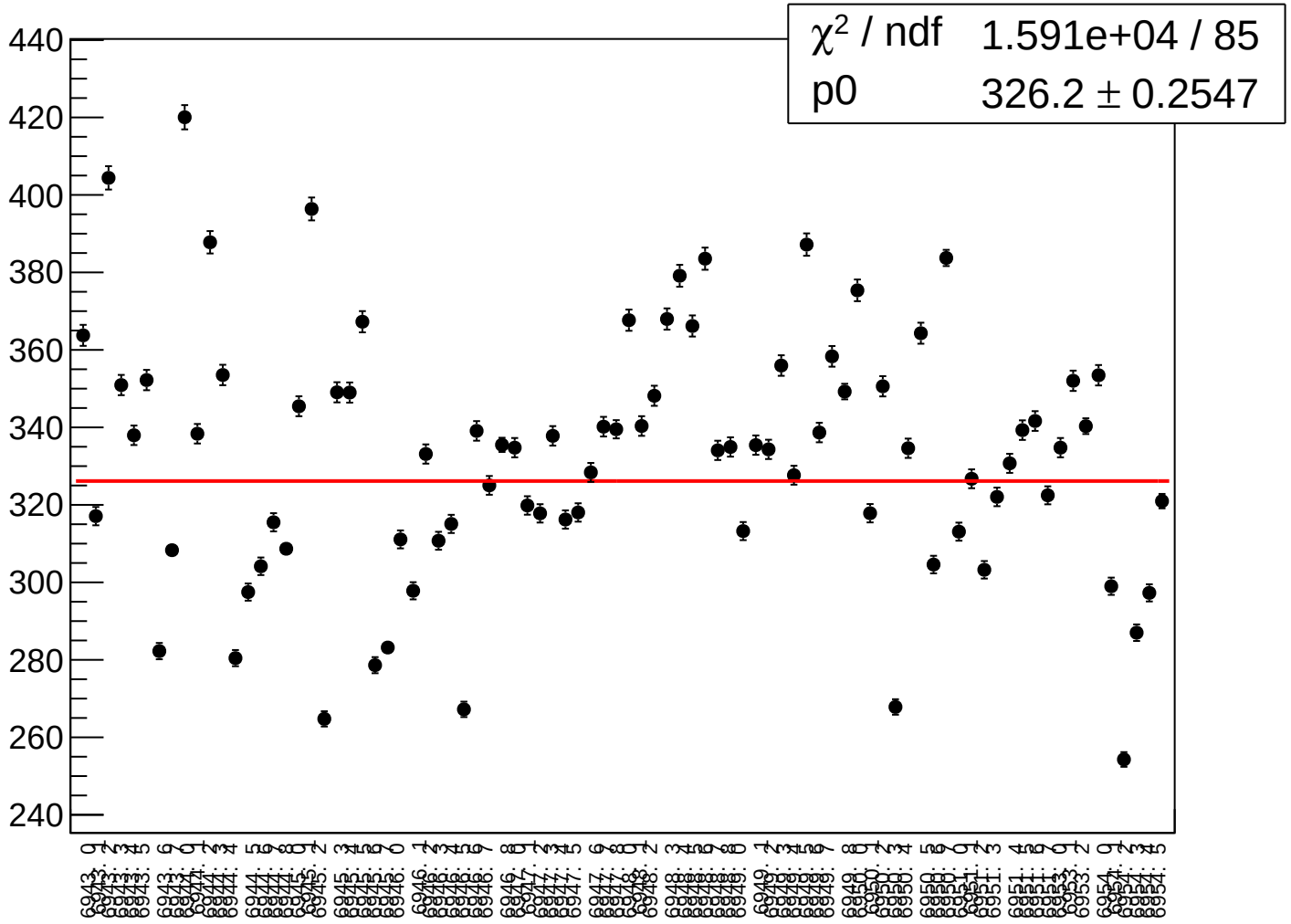

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 103.1 / 85
p0 1.046e−13 ± 2.02e−13
pull
Entries 86
Mean 15.59
Std Dev 28.97

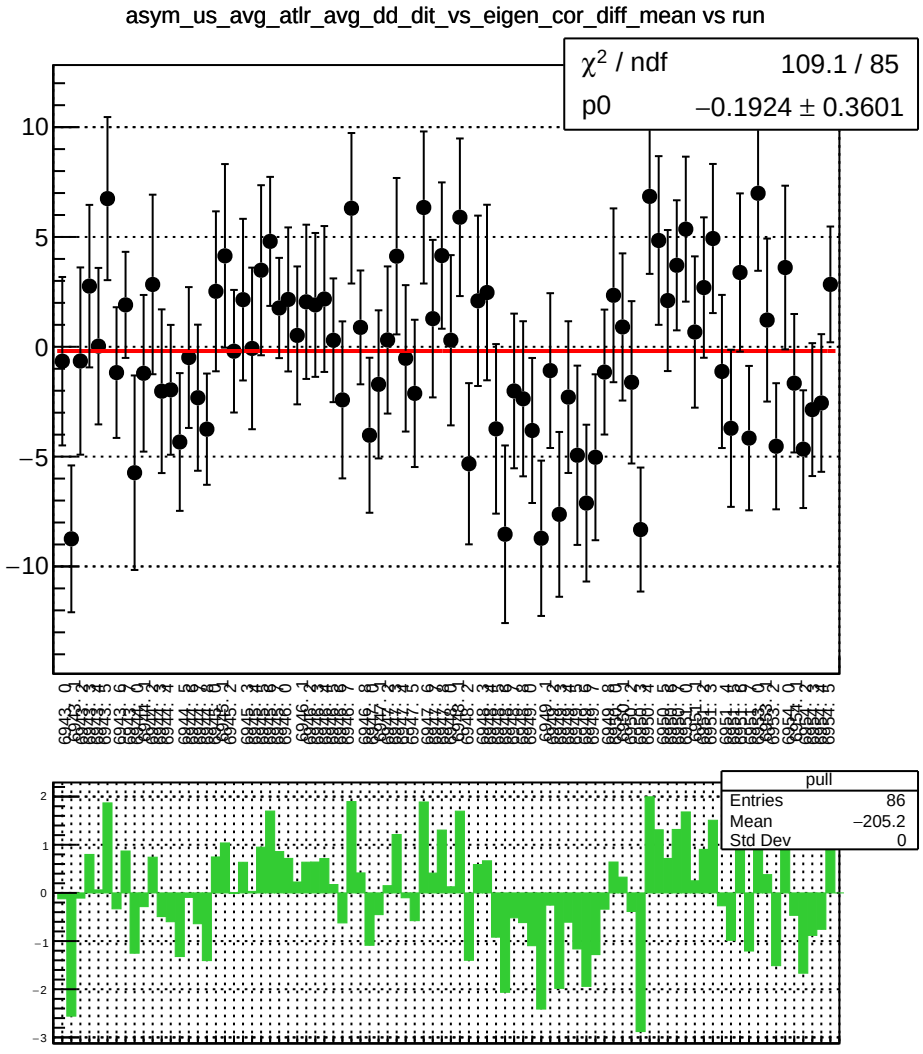

pull1D
Entries 86
Mean 0.1365
Std Dev 1.087

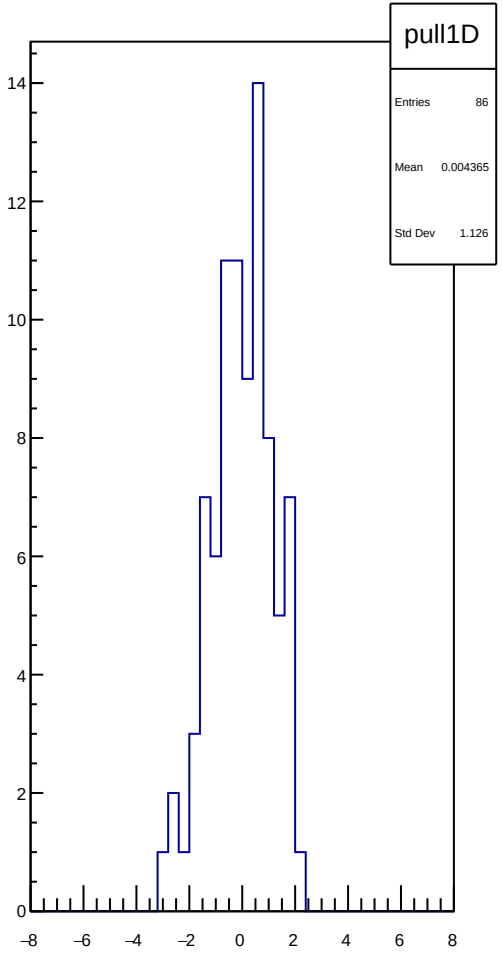

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.218e+05 / 85
p0 1.224e−10 ± 1.429e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

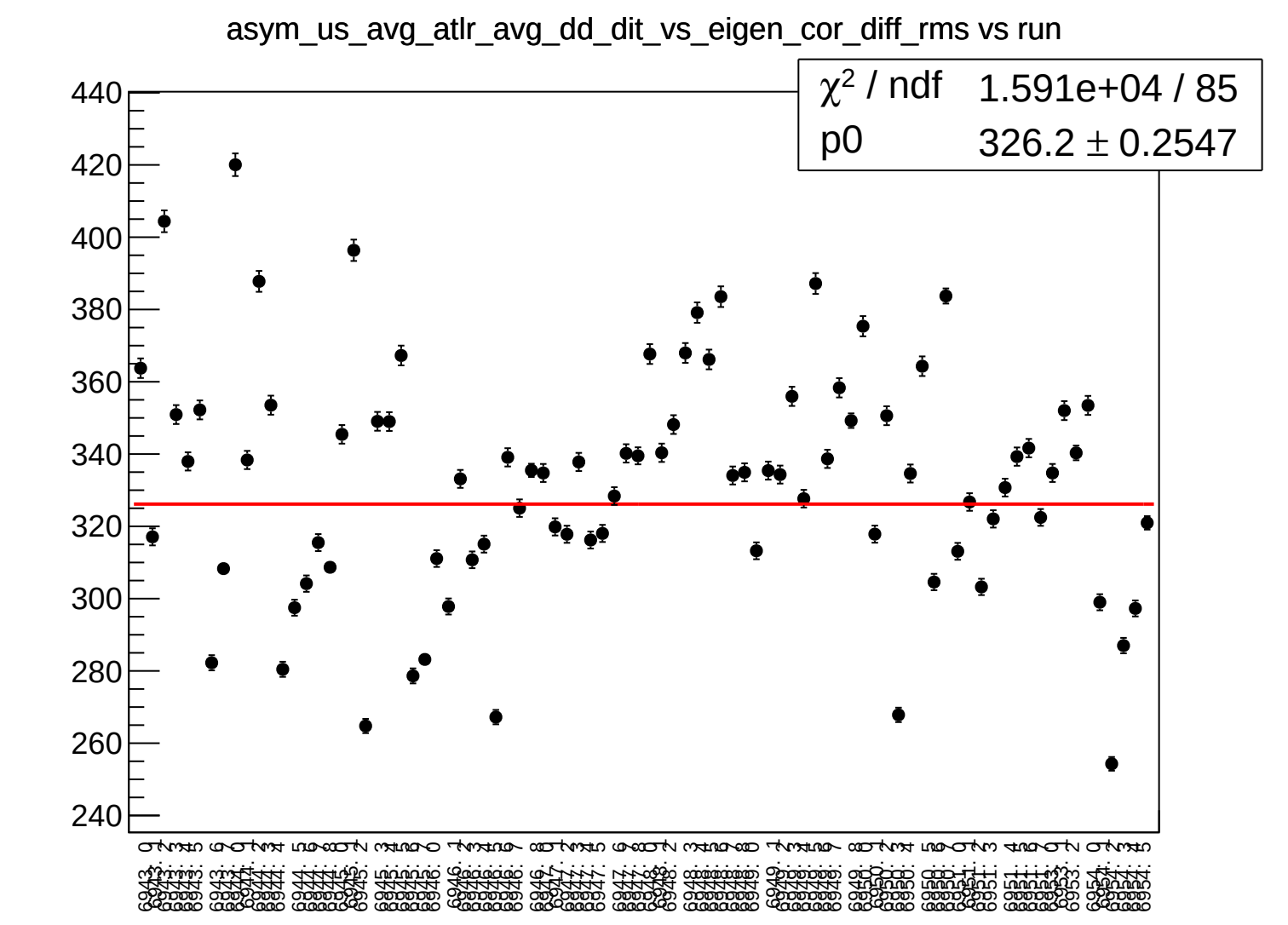

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 109.1 / 85
p0 −0.1924 ± 0.3601
pull
Entries 86
Mean −205.2
Std Dev 0

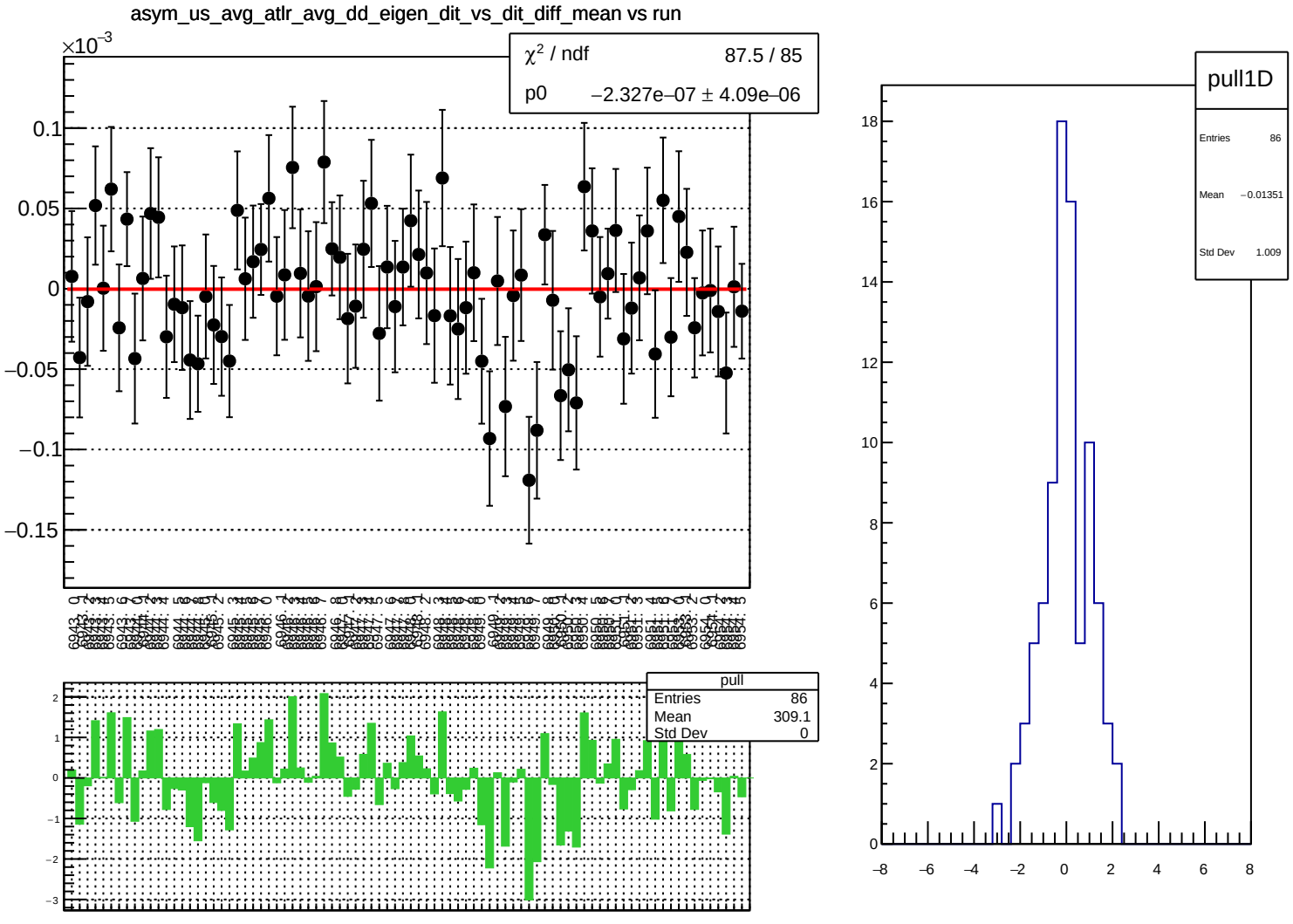

pull1D
Entries 86
Mean 0.004365
Std Dev 1.126

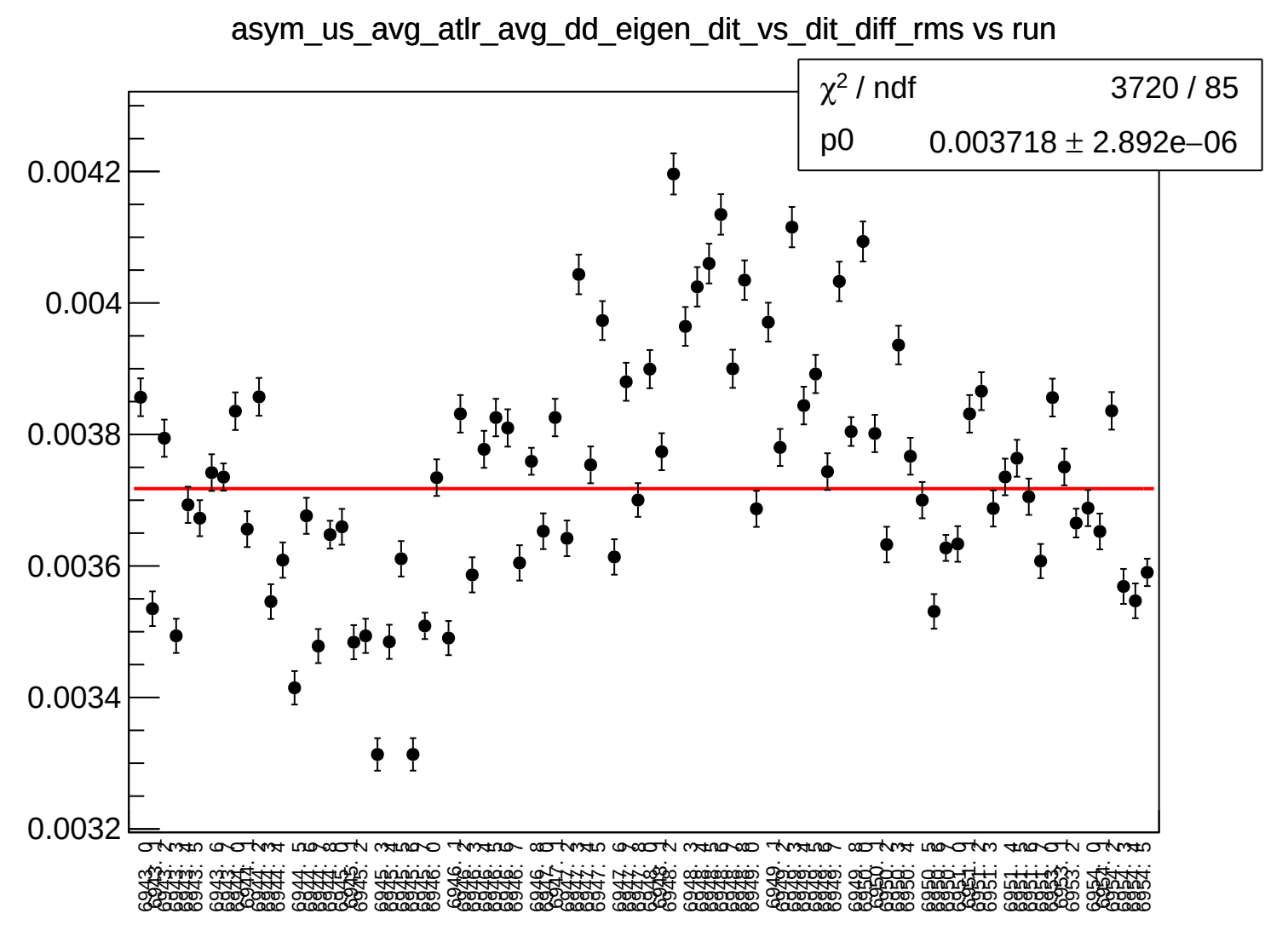

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.591e+04 / 85
p0 326.2 ± 0.2547
440
420
400
380
360
340
320
300
280
260
240

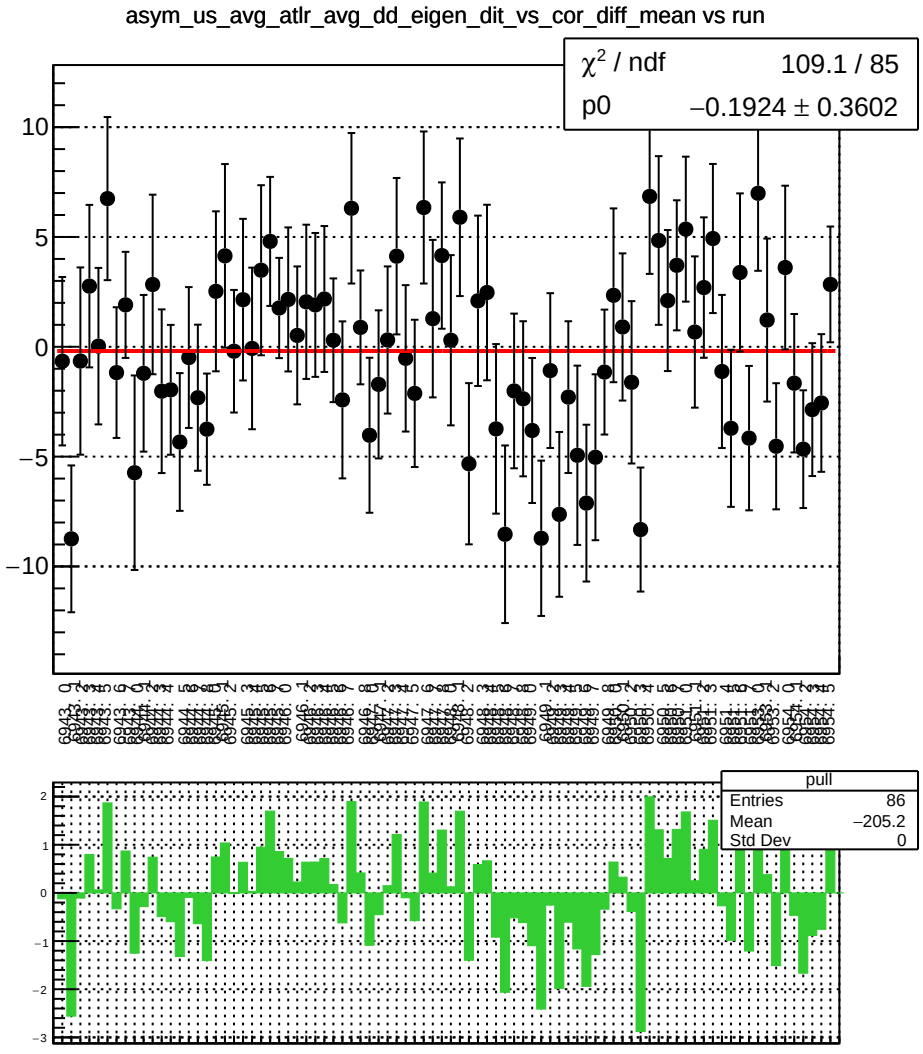

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.1 / 85
p0 −0.1924 ± 0.3601
pull
Entries 86
Mean −205.2
Std Dev 0

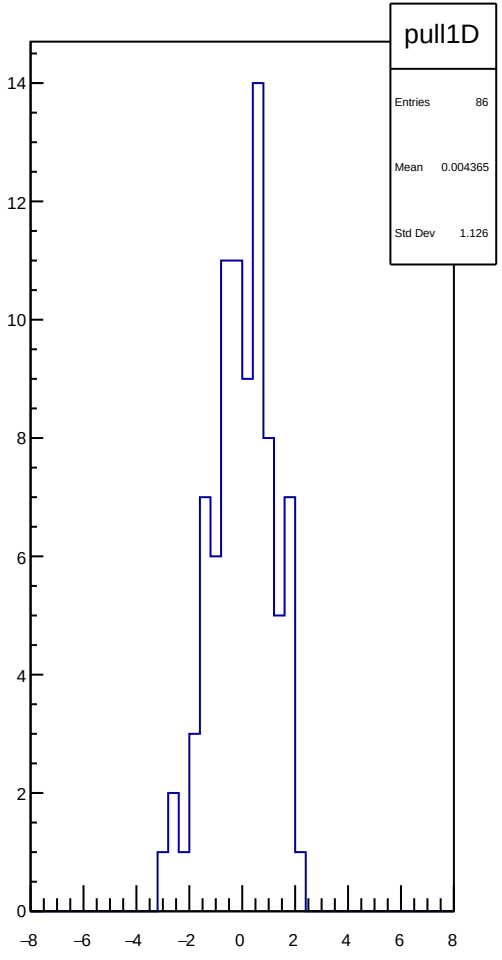

pull1D
Entries 86
Mean 0.004365
Std Dev 1.126

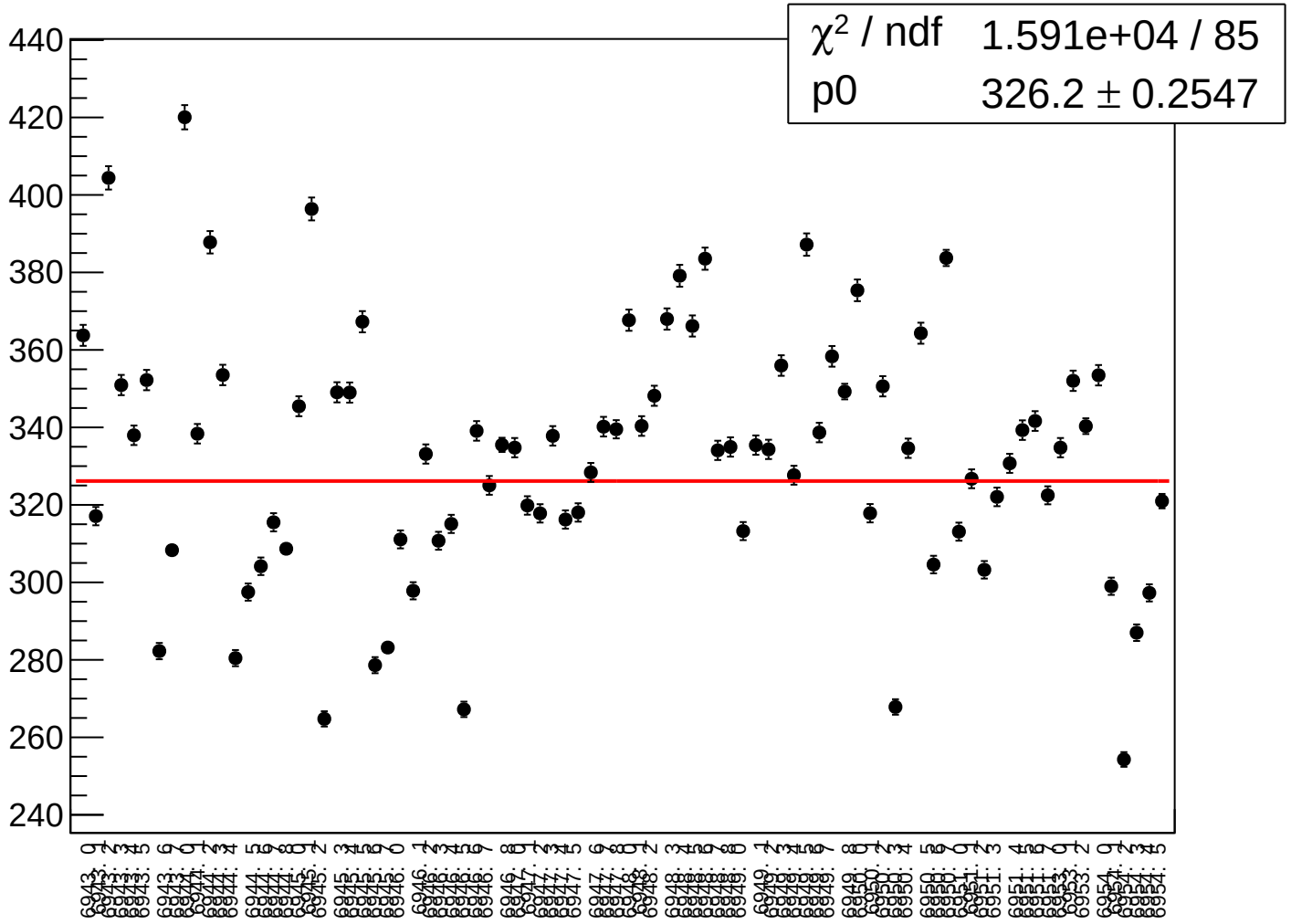

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.591e+04 / 85
p0 326.2 ± 0.2547
440
420
400
380
360
340
320
300
280
260
240

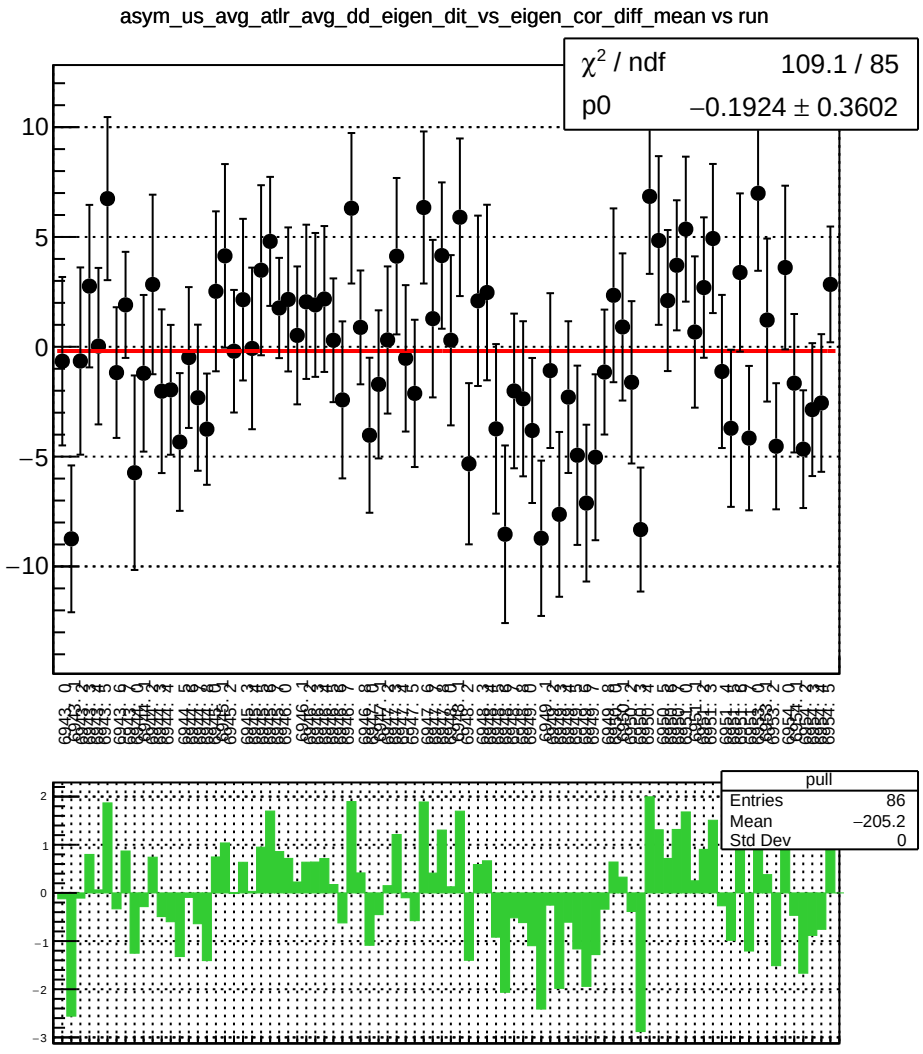

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.5 / 85
p0 −2.327e−07 ± 4.09e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 309.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01351
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

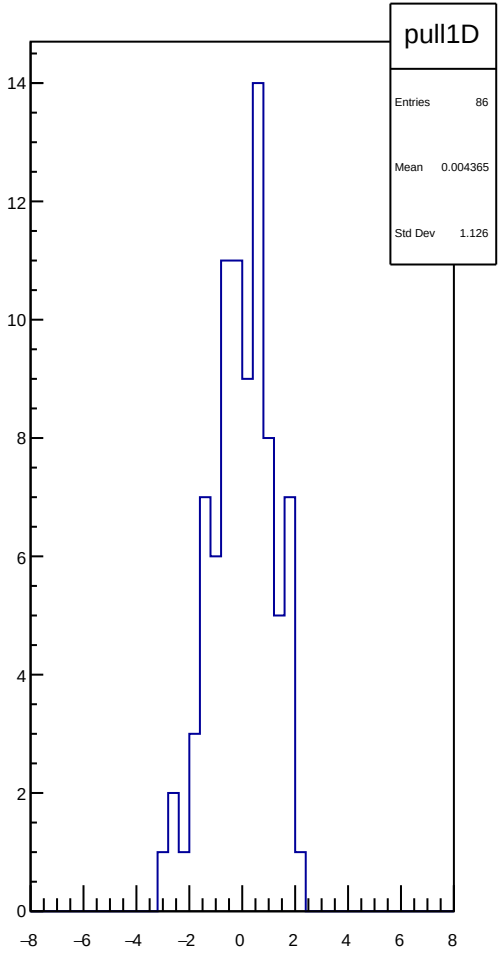

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3720 / 85
p0 0.003718 ± 2.892e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

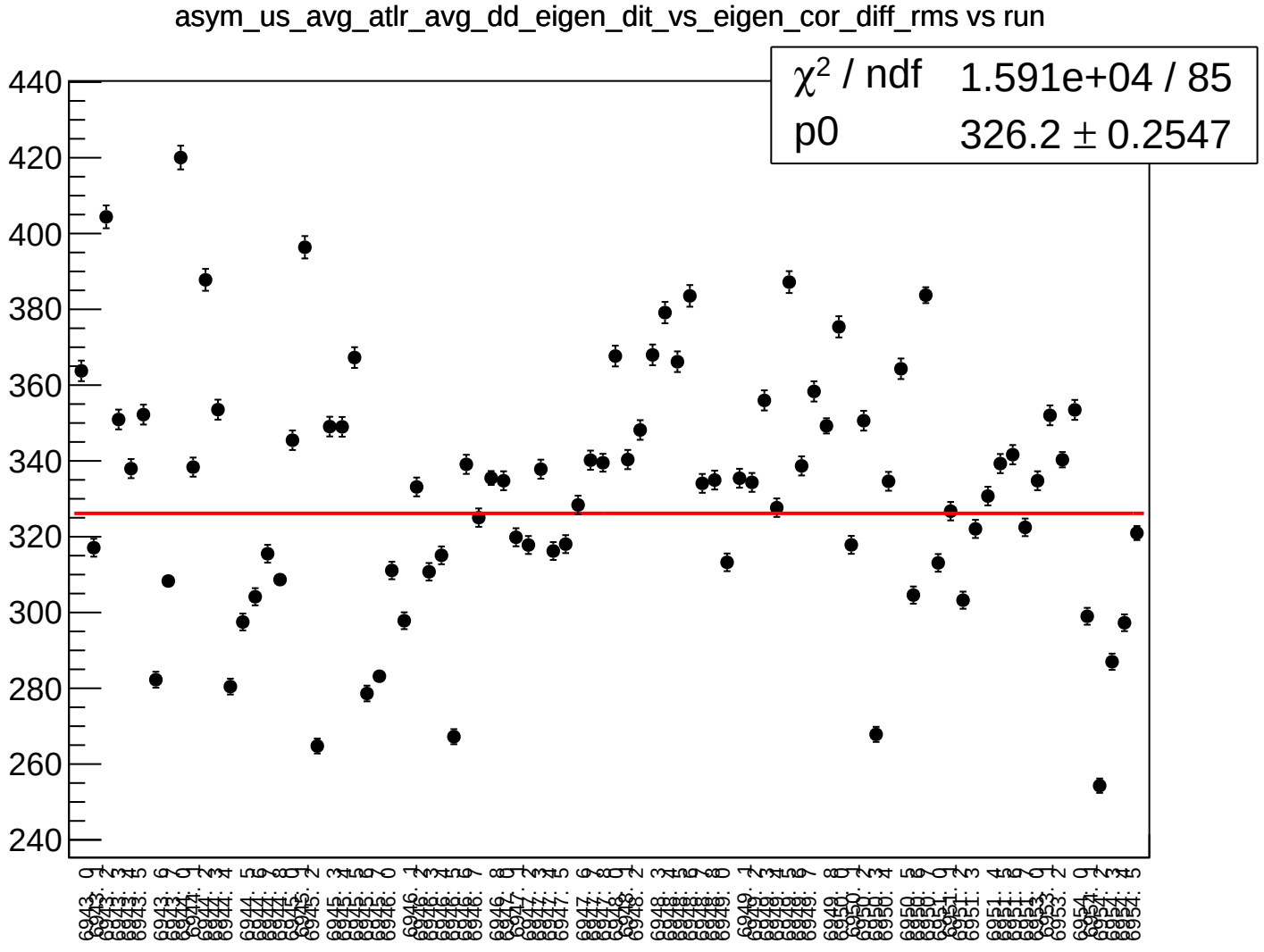

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 109.1 / 85
p0 −0.1924 ± 0.3602
pull
Entries 86
Mean −205.2
Std Dev 0

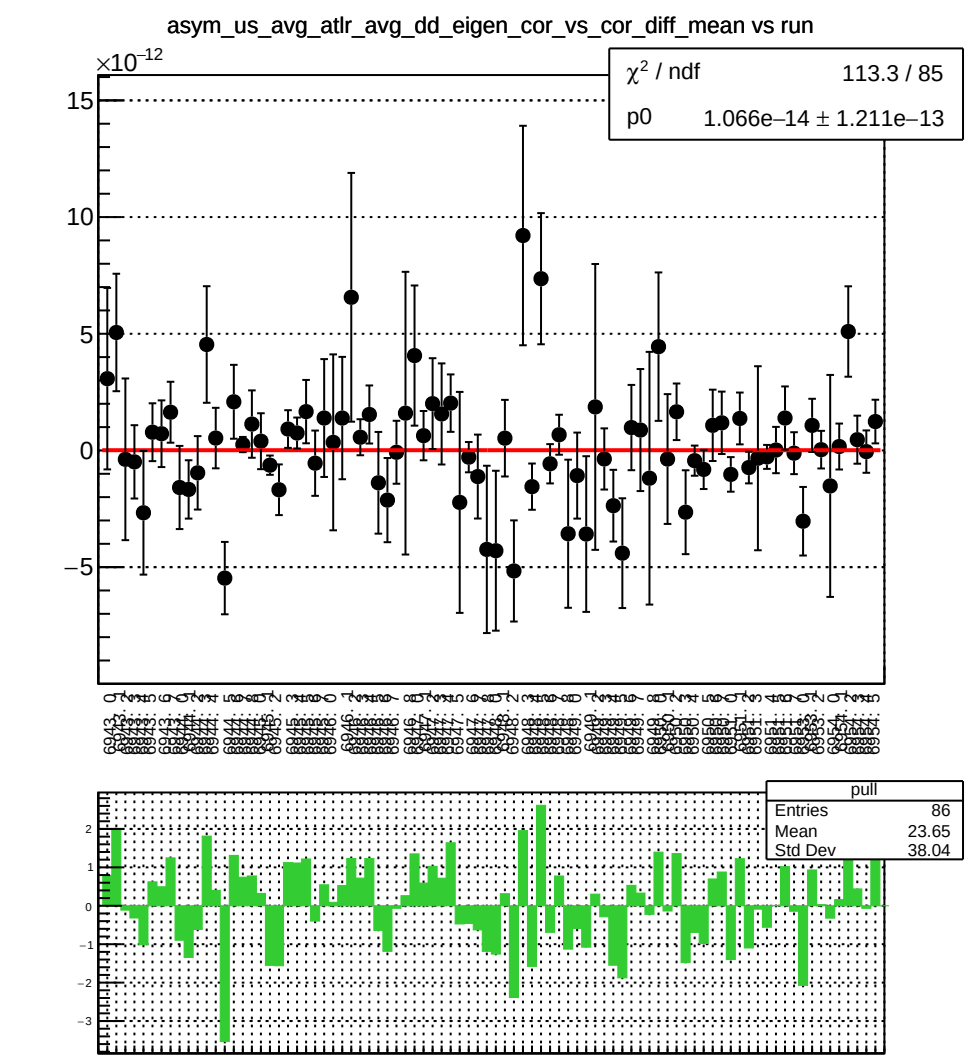

pull1D
Entries 86
Mean 0.004365
Std Dev 1.126

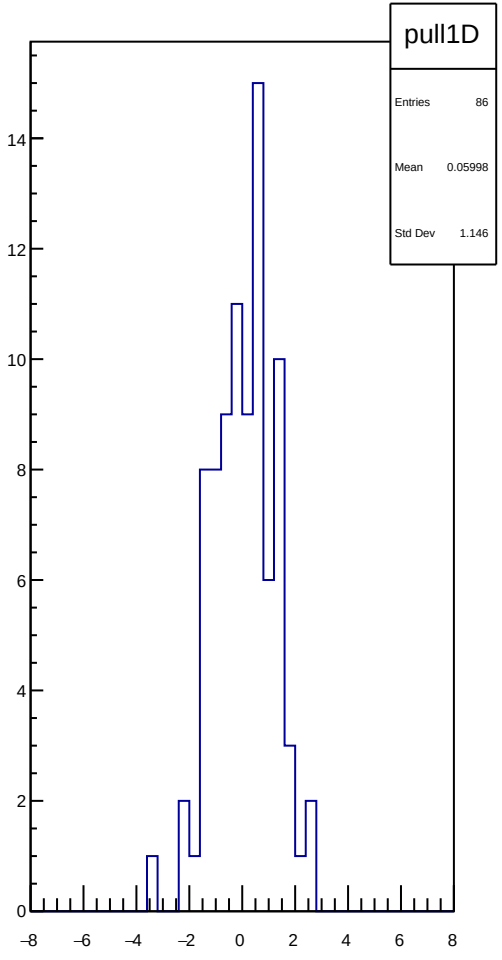

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.591e+04 / 85
p0 326.2 ± 0.2547
440
420
400
380
360
340
320
300
280
260
240

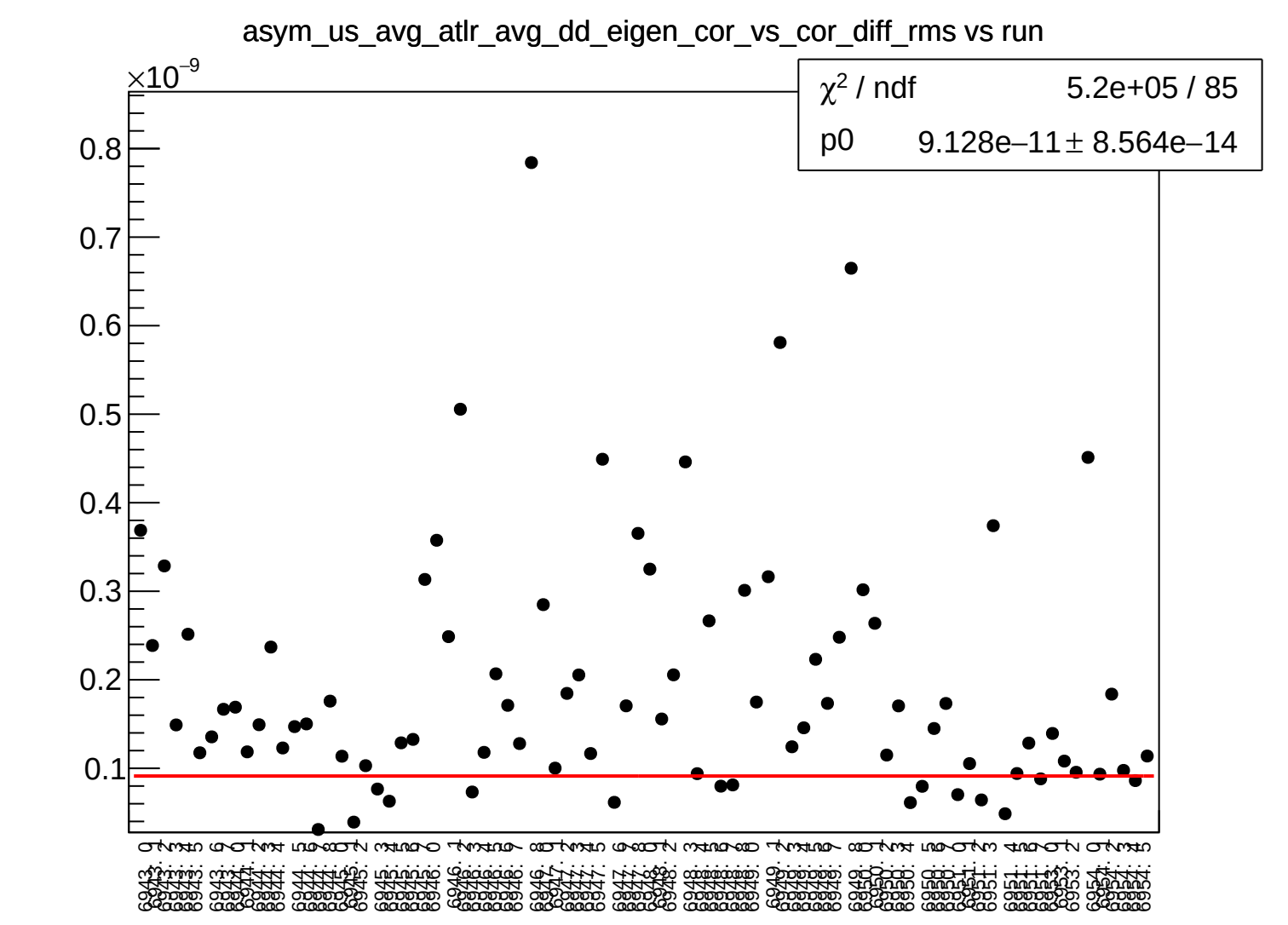

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.1 / 85
p0 −0.1924 ± 0.3602
pull
Entries 86
Mean −205.2
Std Dev 0

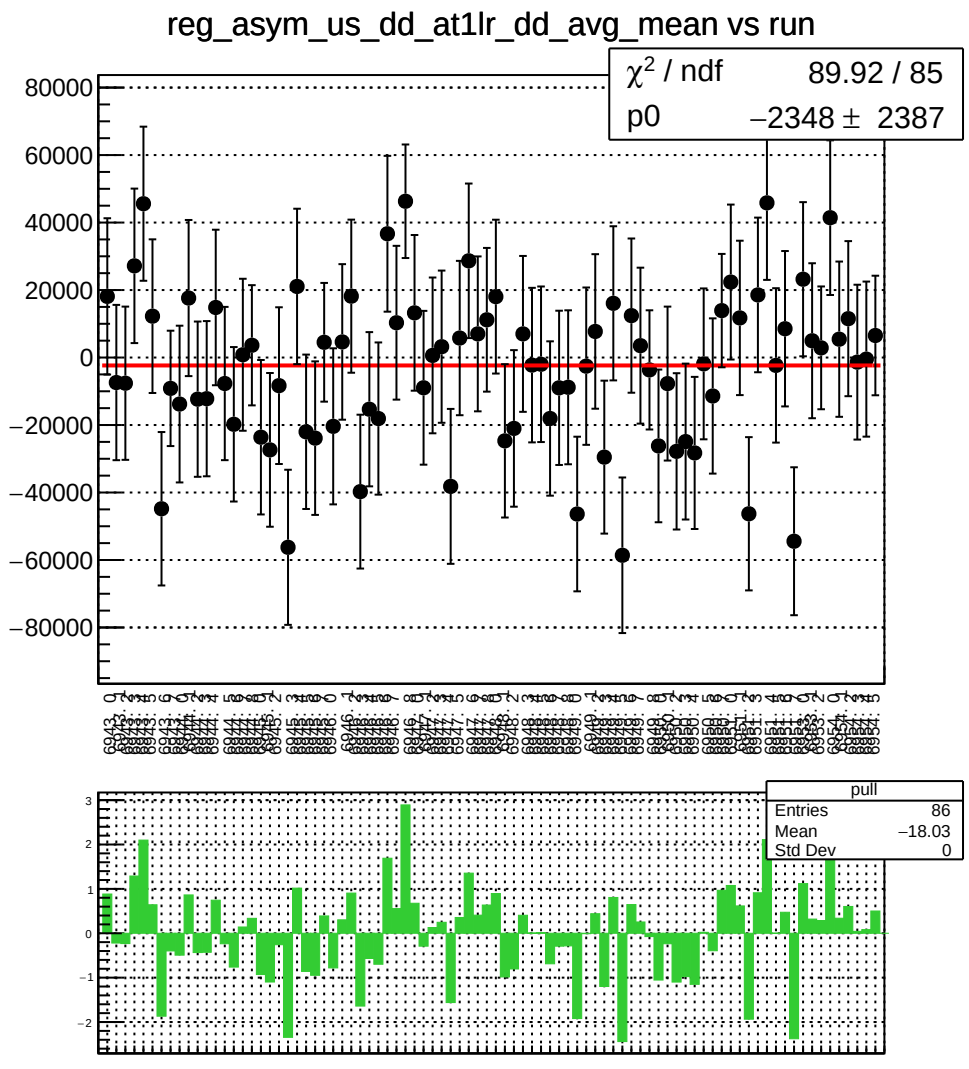

pull1D
Entries 86
Mean 0.004365
Std Dev 1.126

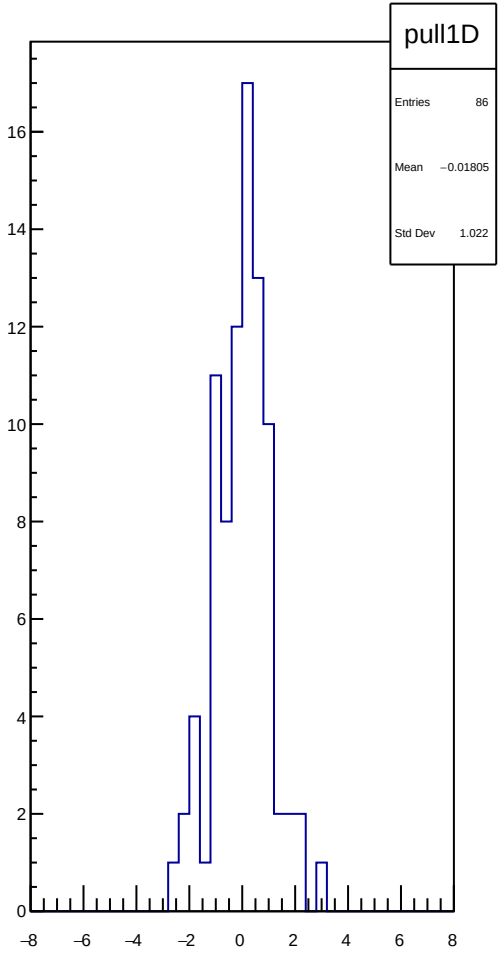

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.591e+04 / 85
p0 326.2 ± 0.2547
440
420
400
380
360
340
320
300
280
260
240

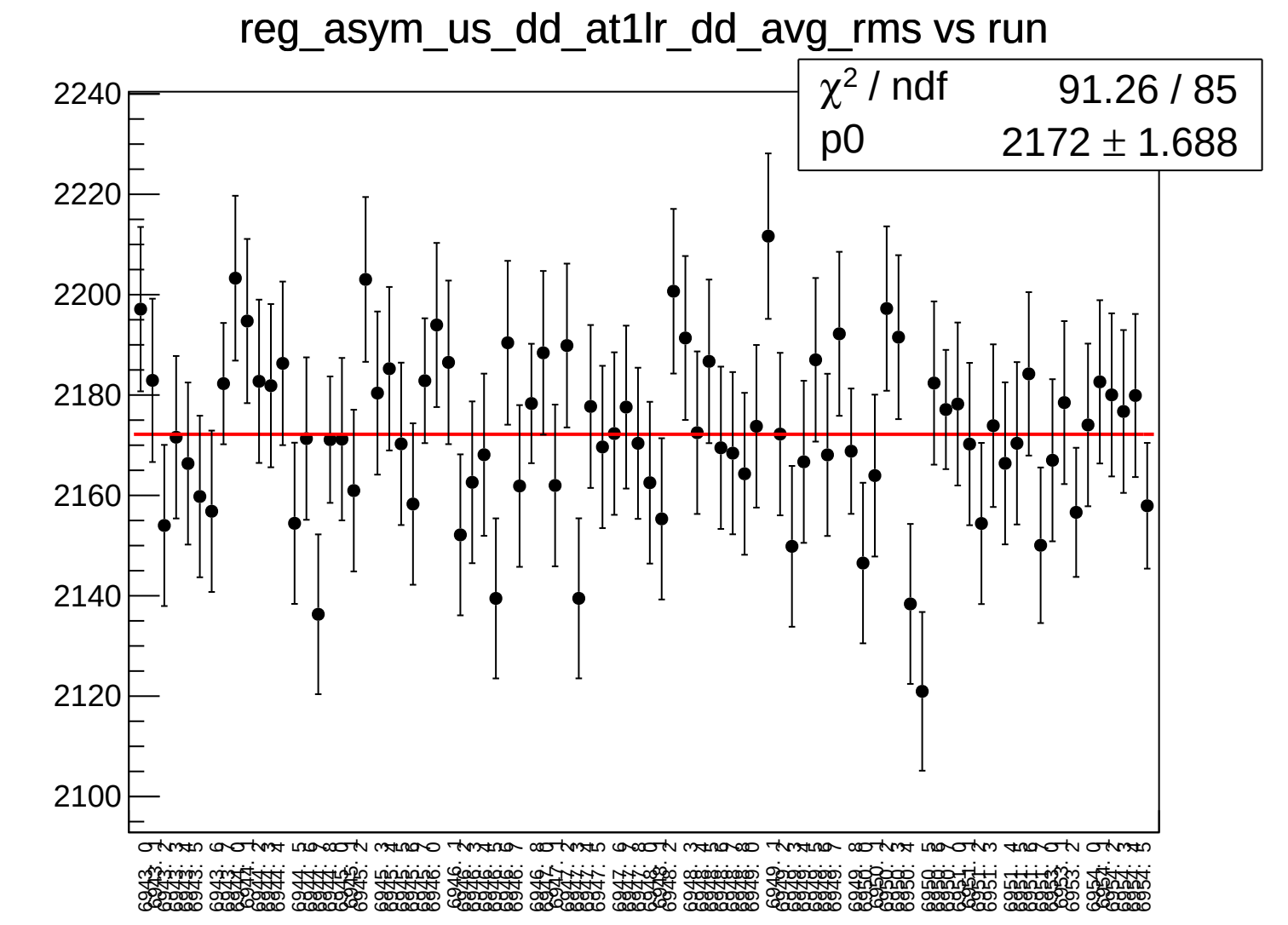

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 113.3 / 85
p0 1.066e−14 ± 1.211e−13
pull
Entries 86
Mean 23.65
Std Dev 38.04

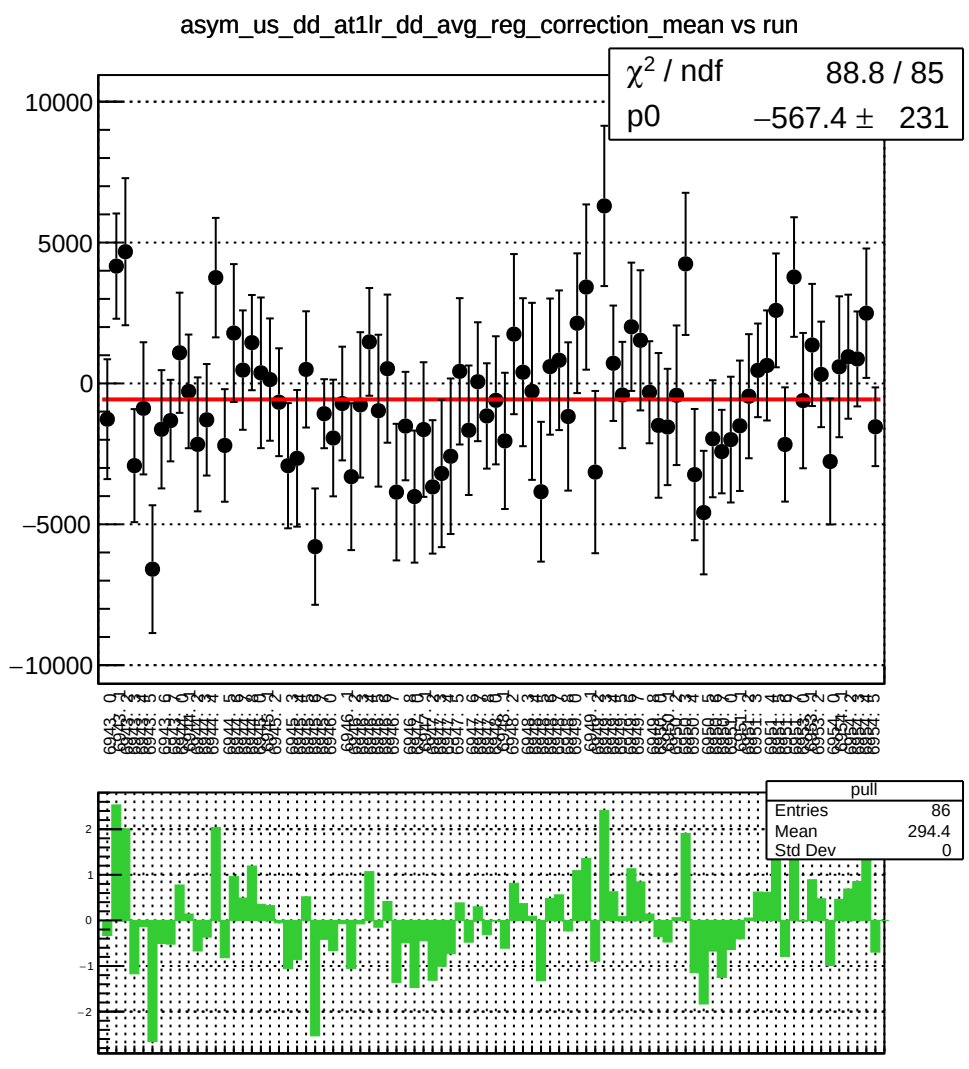

pull1D
Entries 86
Mean 0.05998
Std Dev 1.146

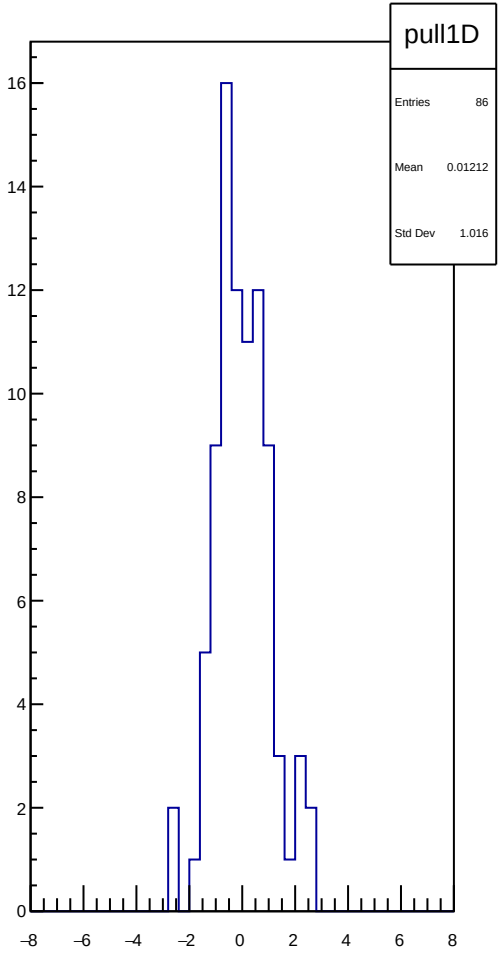

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.2e+05 / 85
p0 9.128e−11 ± 8.564e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

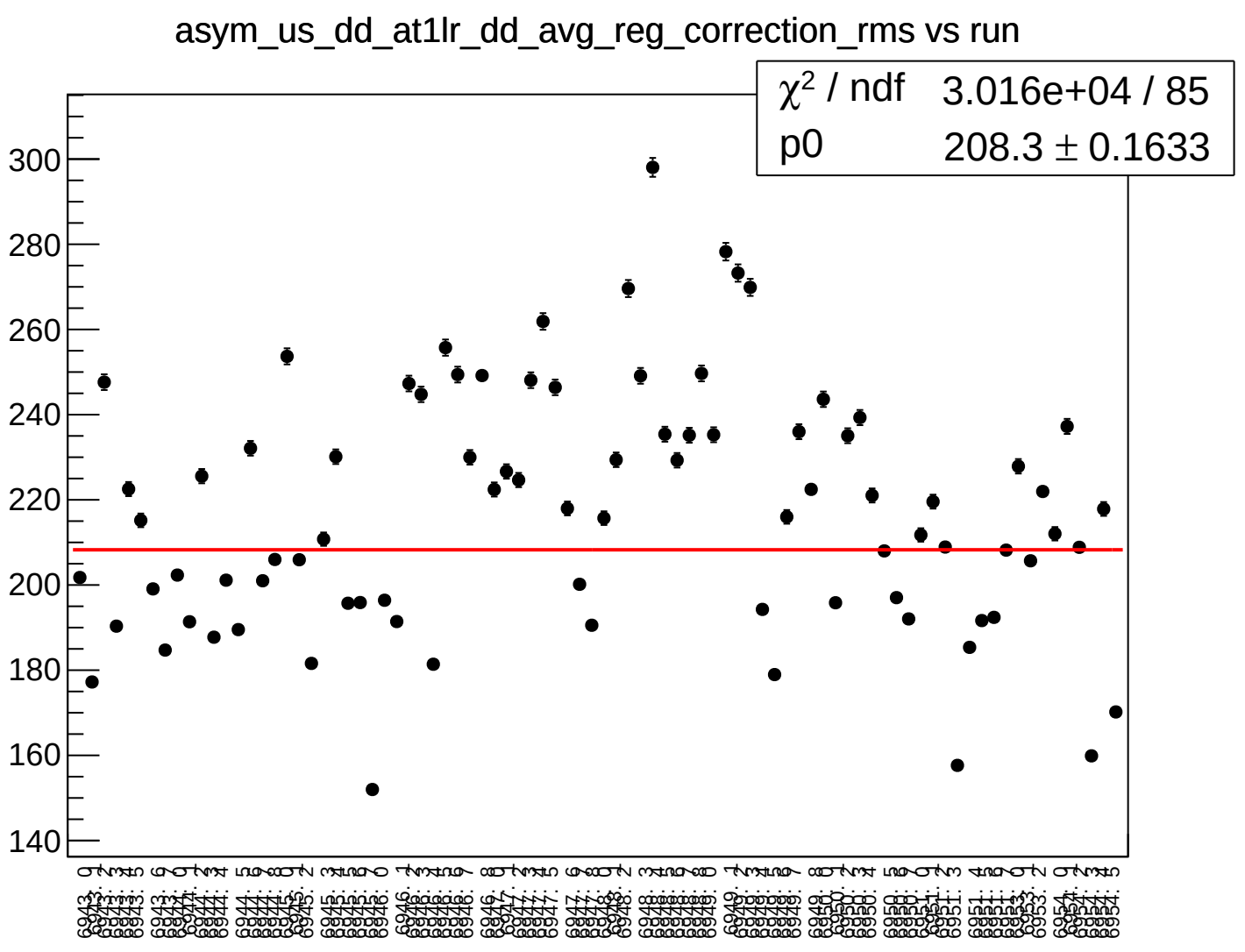

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 89.92 / 85
p0 −2348 ± 2387
pull
Entries 86
Mean −18.03
Std Dev 0

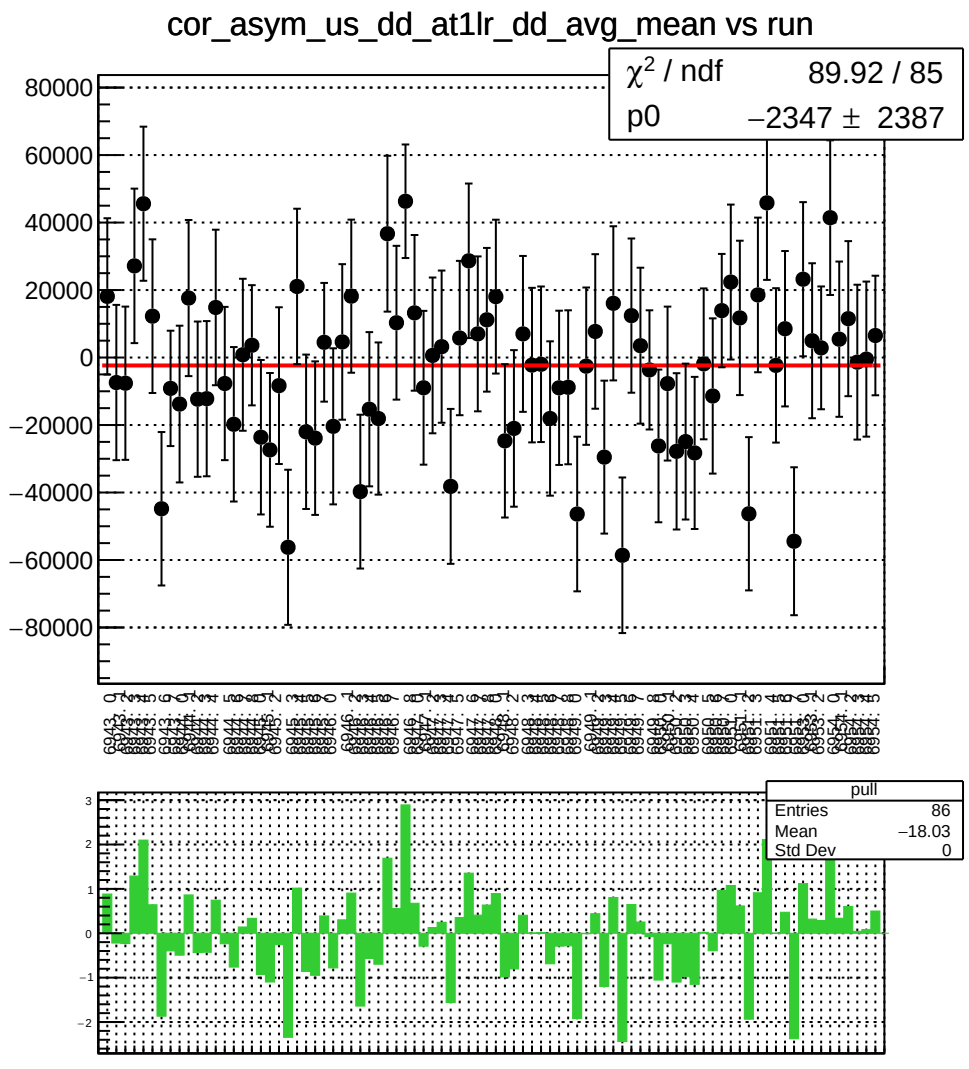

pull1D
Entries 86
Mean −0.01805
Std Dev 1.022

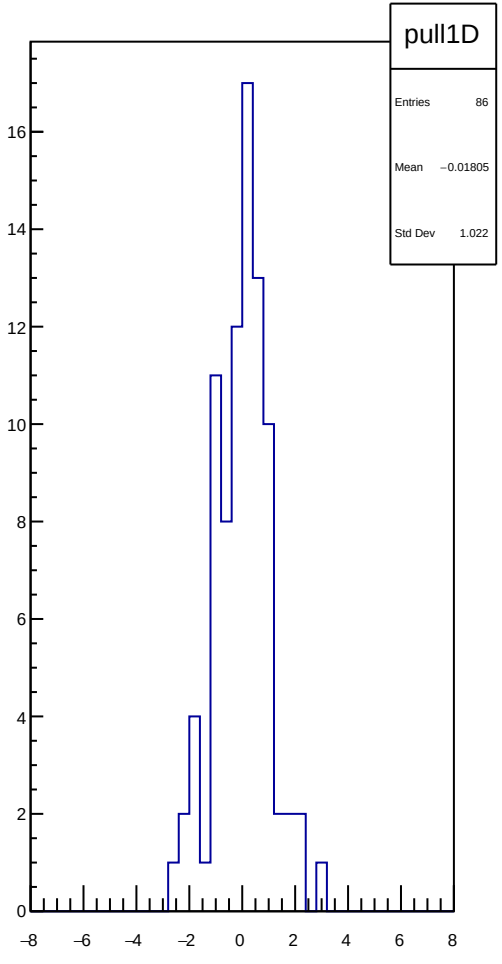

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 91.26 / 85
p0 2172 ± 1.688
2240
2220
2200
2180
2160
2140
2120
2100

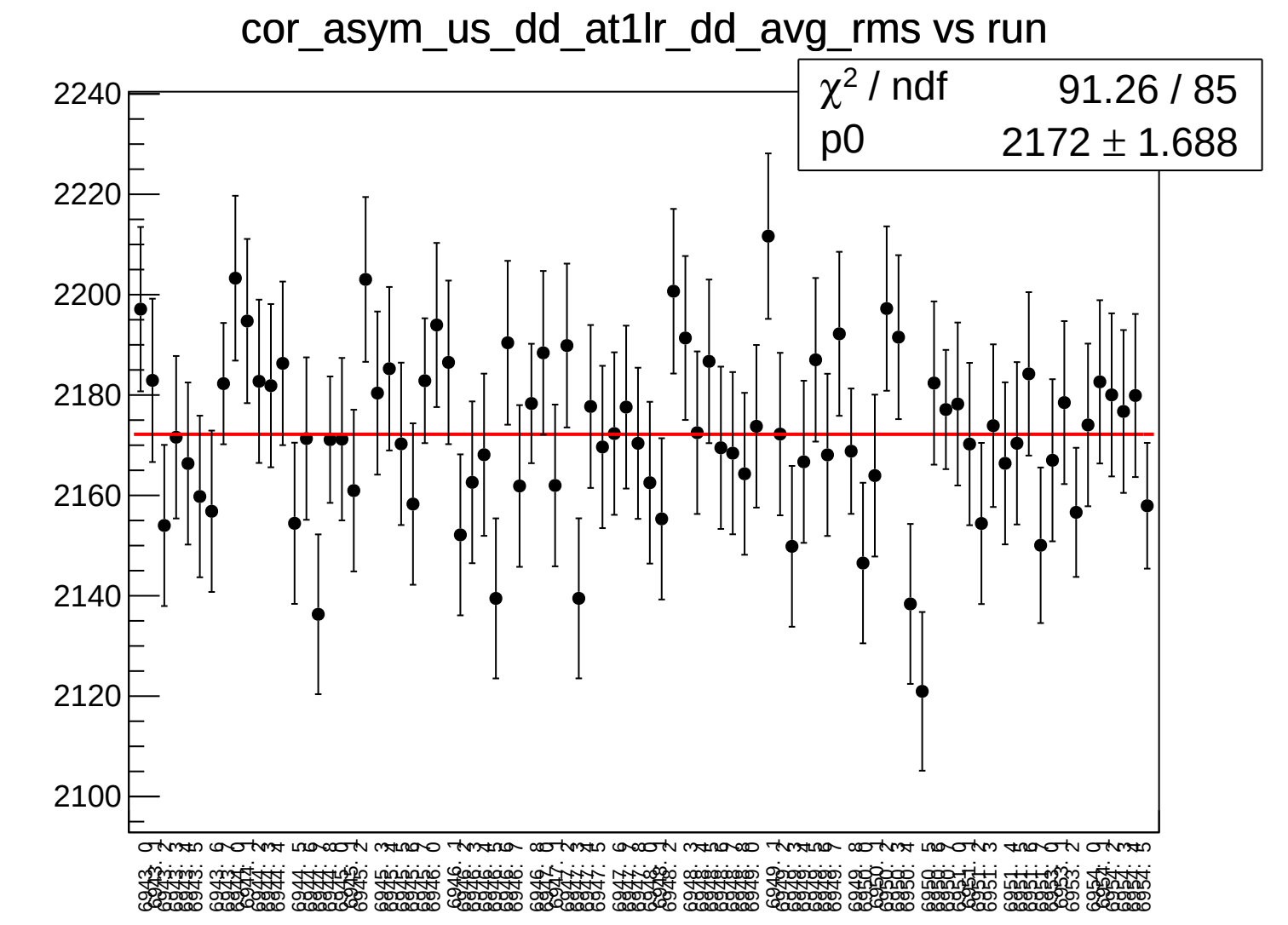

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 88.8 / 85
p0 −567.4 ± 231
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 294.4
Std Dev 0
2
1
0
−1
−2

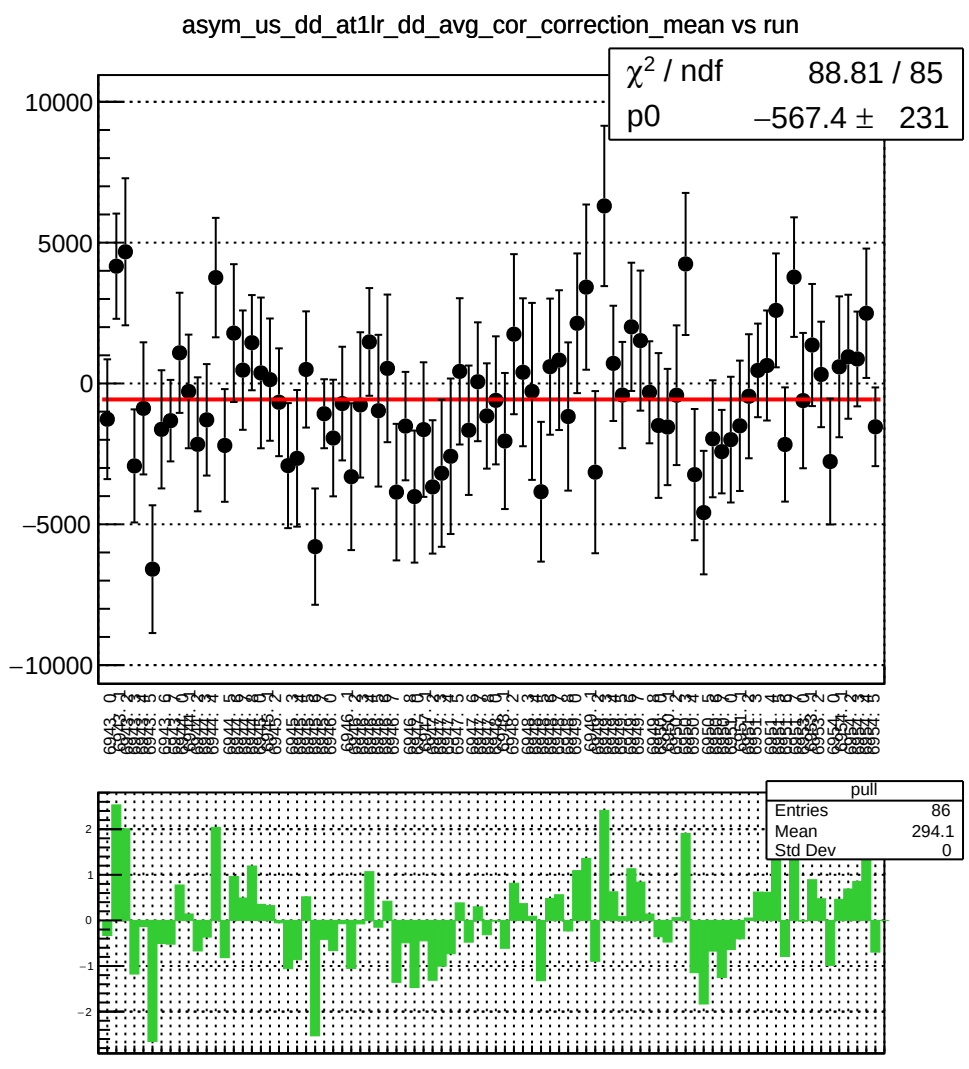

pull1D
Entries 86
Mean 0.01212
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

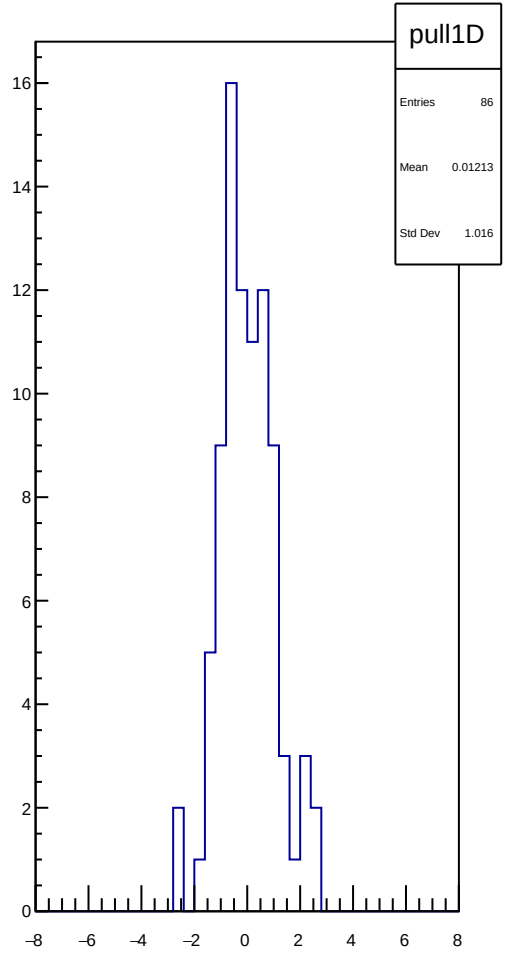

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.016e+04 / 85
p0 208.3 ± 0.1633
300
280
260
240
220
200
180
160
140

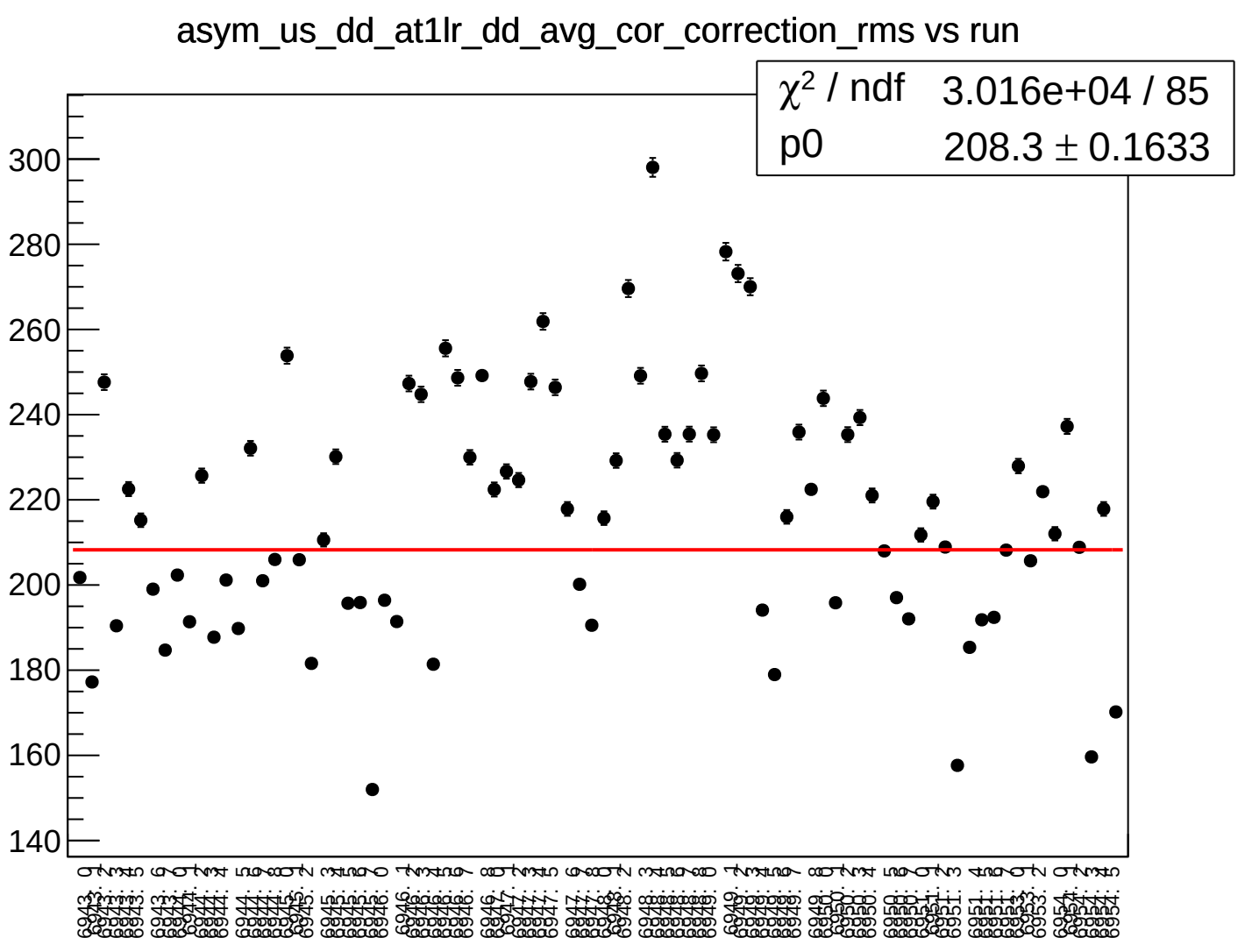

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 89.92 / 85
p0 −2347 ± 2387
pull
Entries 86
Mean −18.03
Std Dev 0

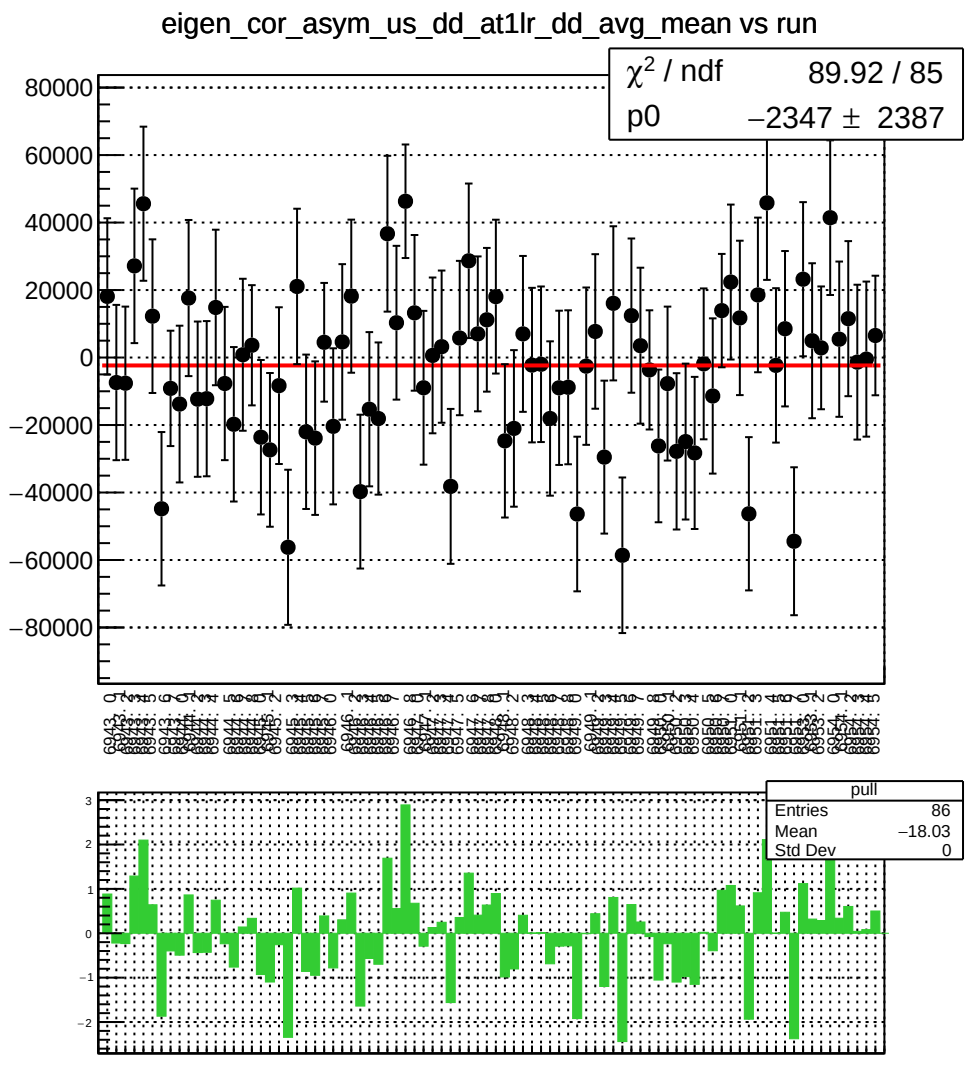

pull1D
Entries 86
Mean −0.01805
Std Dev 1.022

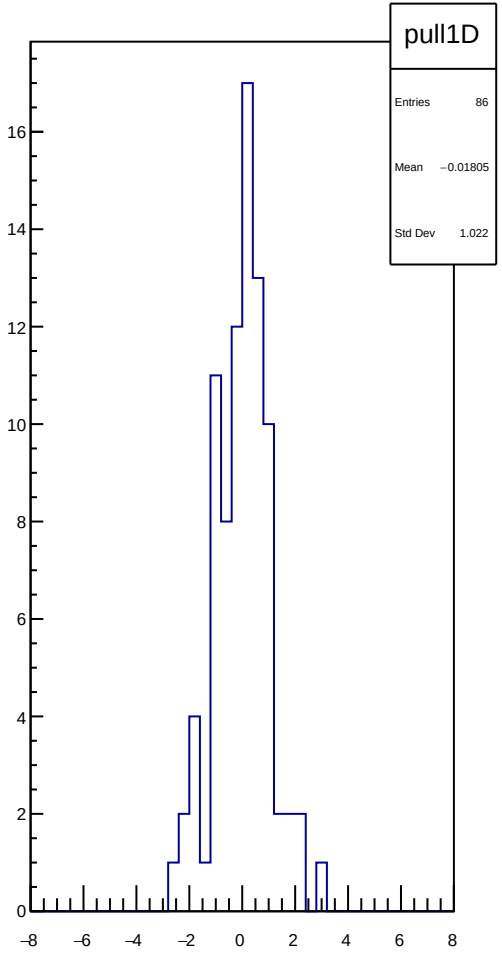

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 91.26 / 85
p0 2172 ± 1.688
2240
2220
2200
2180
2160
2140
2120
2100

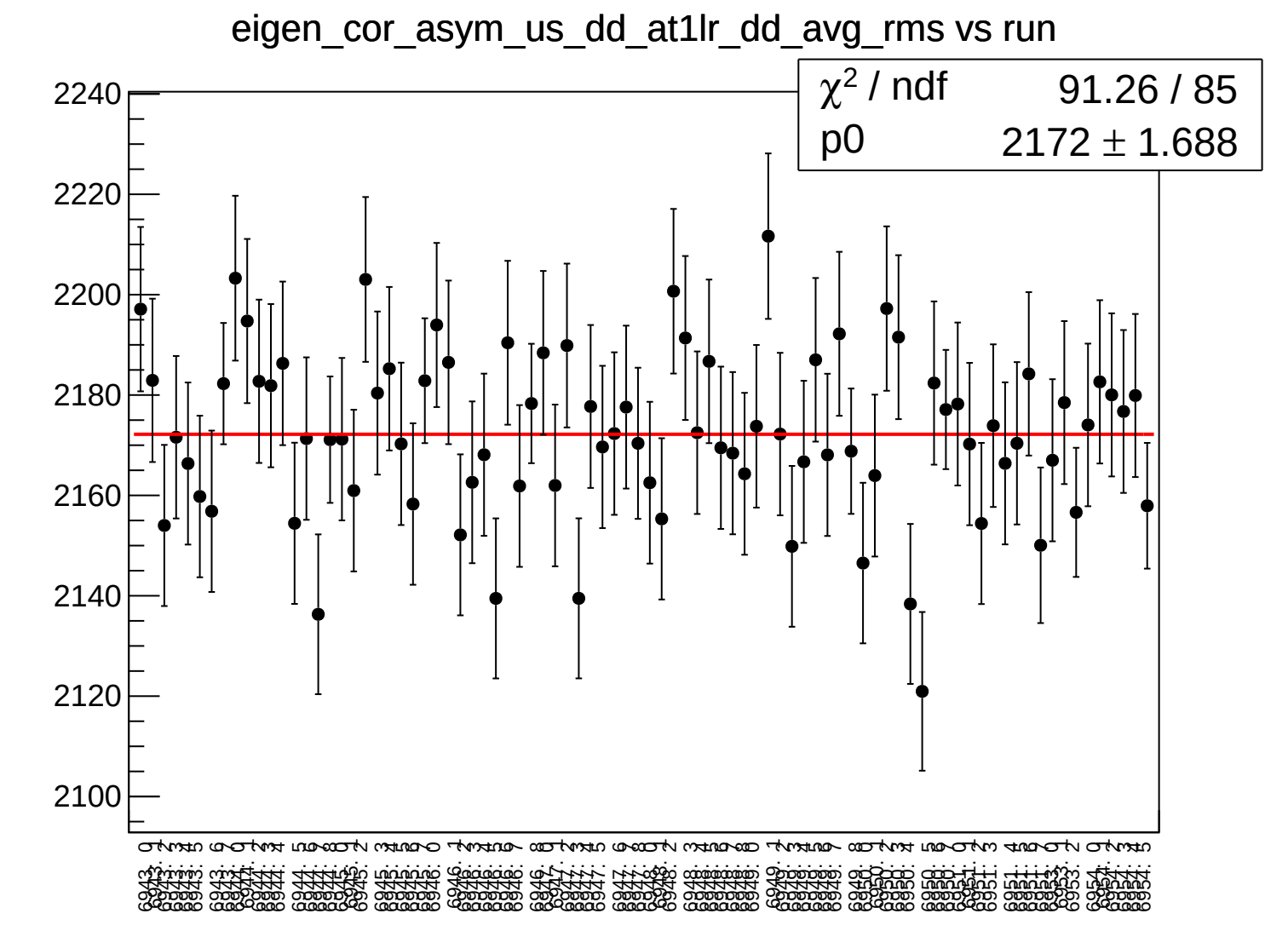

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 88.81 / 85
p0 −567.4 ± 231
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 294.1
Std Dev 0
2
1
0
−1
−2

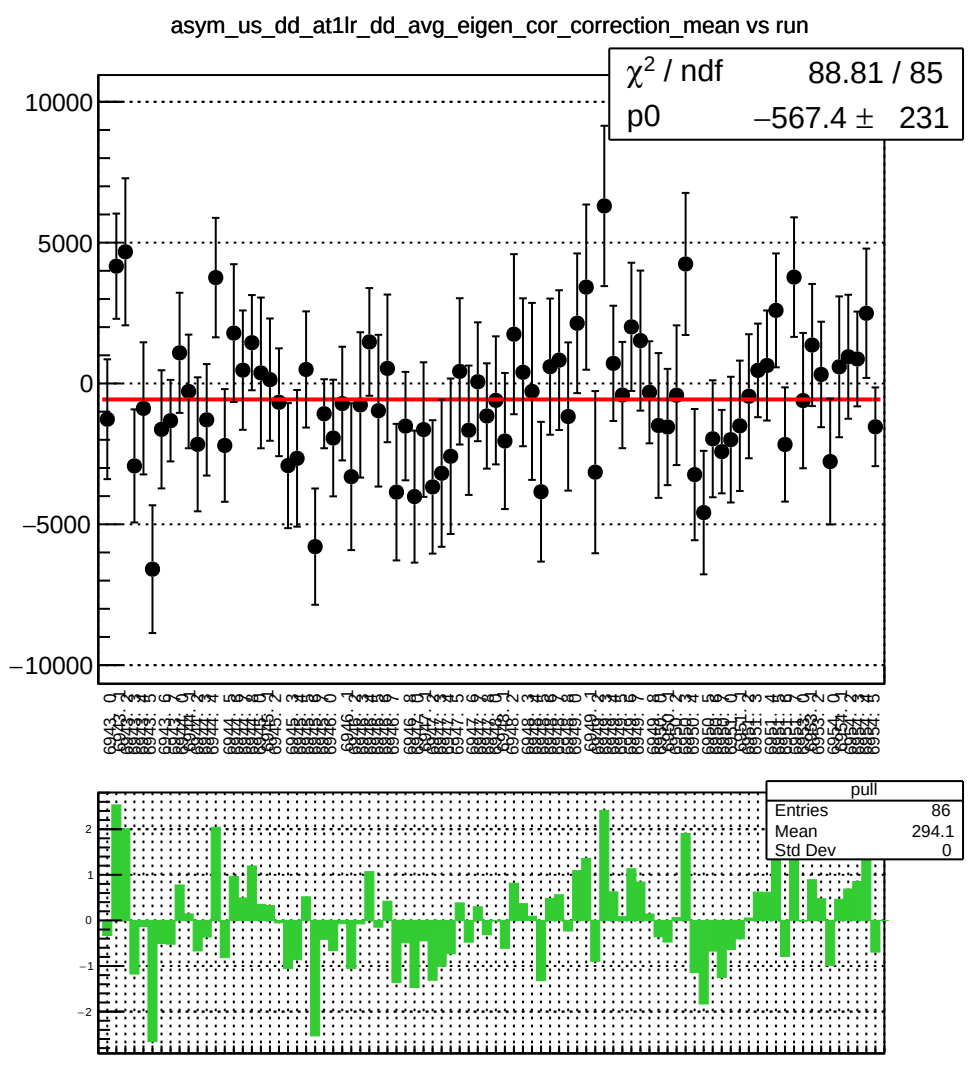

pull1D
Entries 86
Mean 0.01213
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

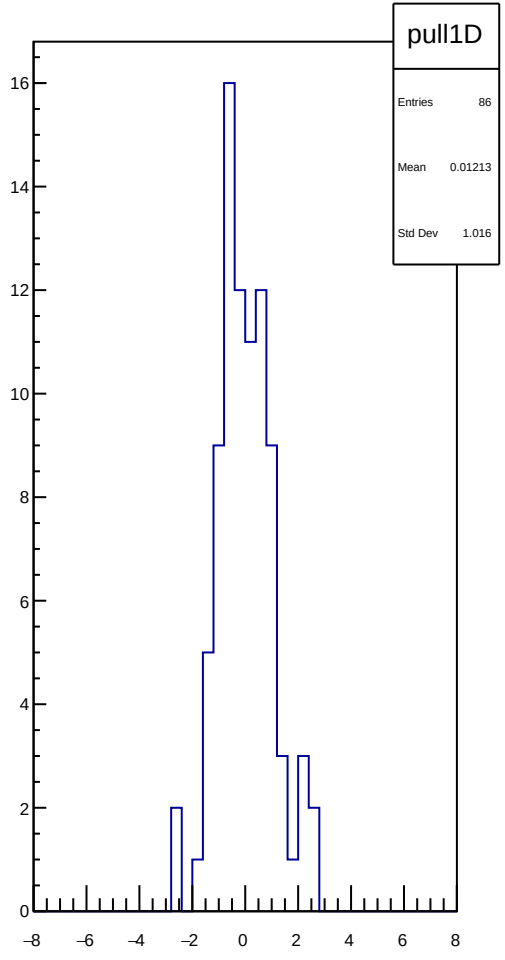

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.016e+04 / 85
p0 208.3 ± 0.1633
300
280
260
240
220
200
180
160
140

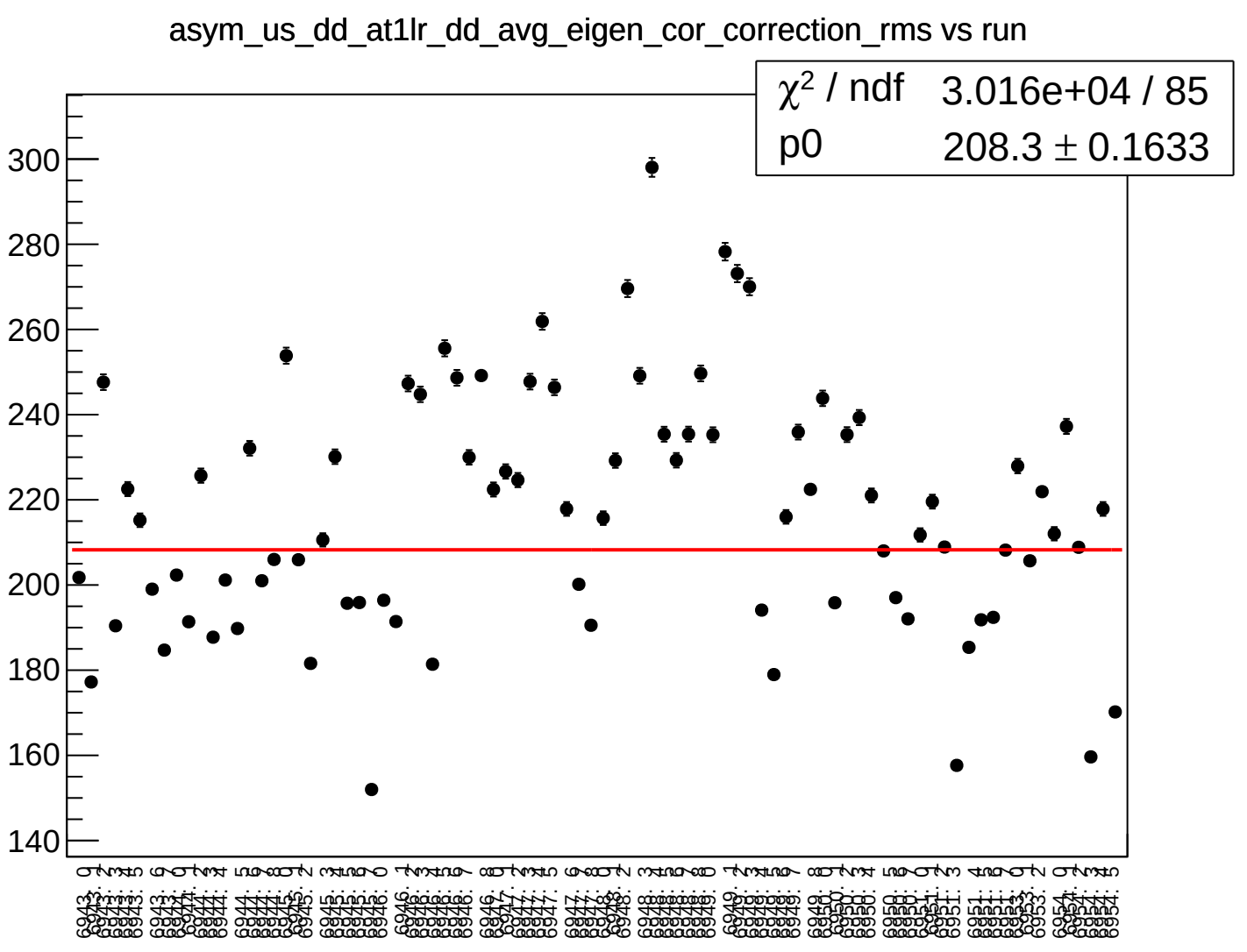

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 89.92 / 85
p0 −2347 ± 2387
pull
Entries 86
Mean −18.03
Std Dev 0

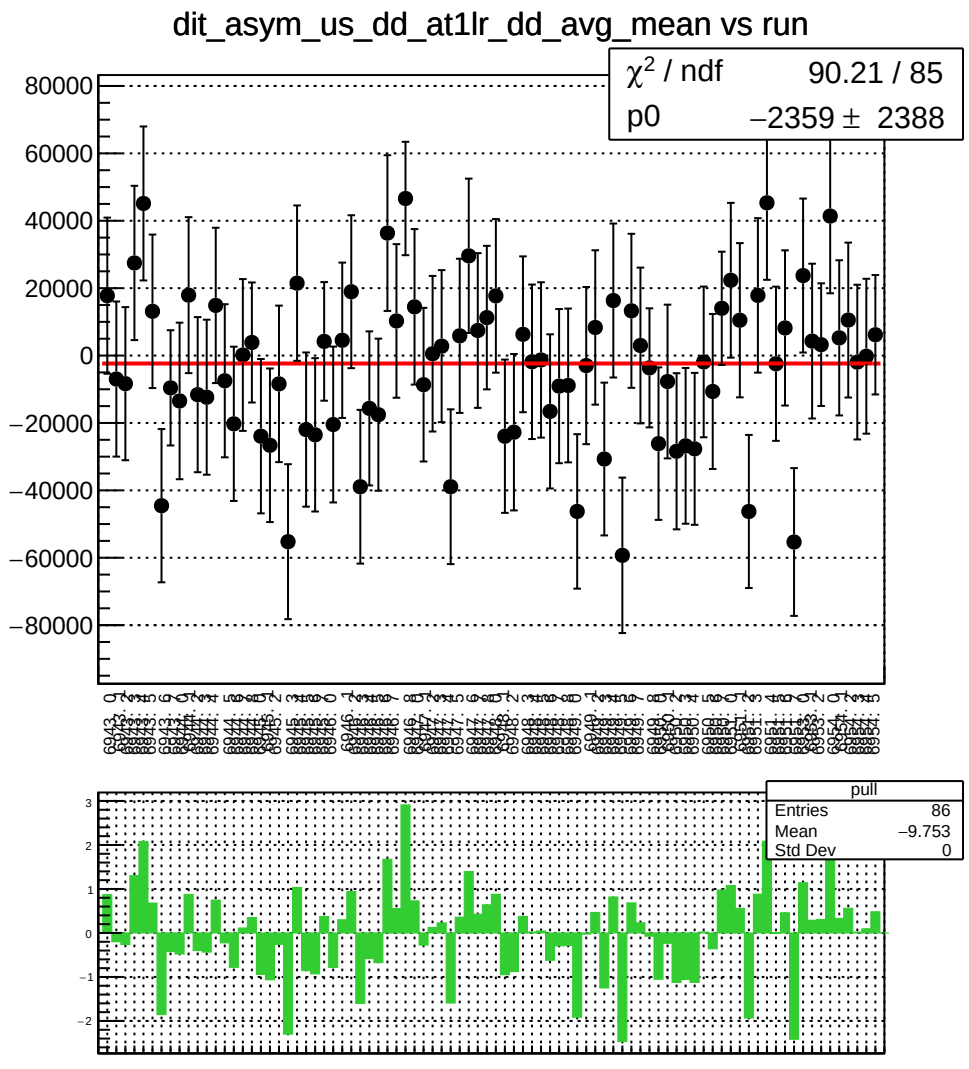

pull1D
Entries 86
Mean −0.01805
Std Dev 1.022

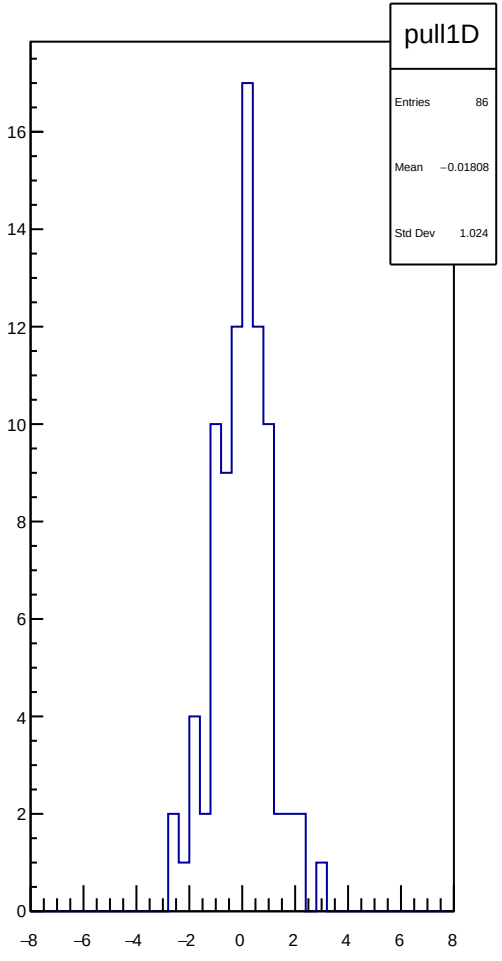

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 91.26 / 85
p0 2172 ± 1.688
2240
2220
2200
2180
2160
2140
2120
2100

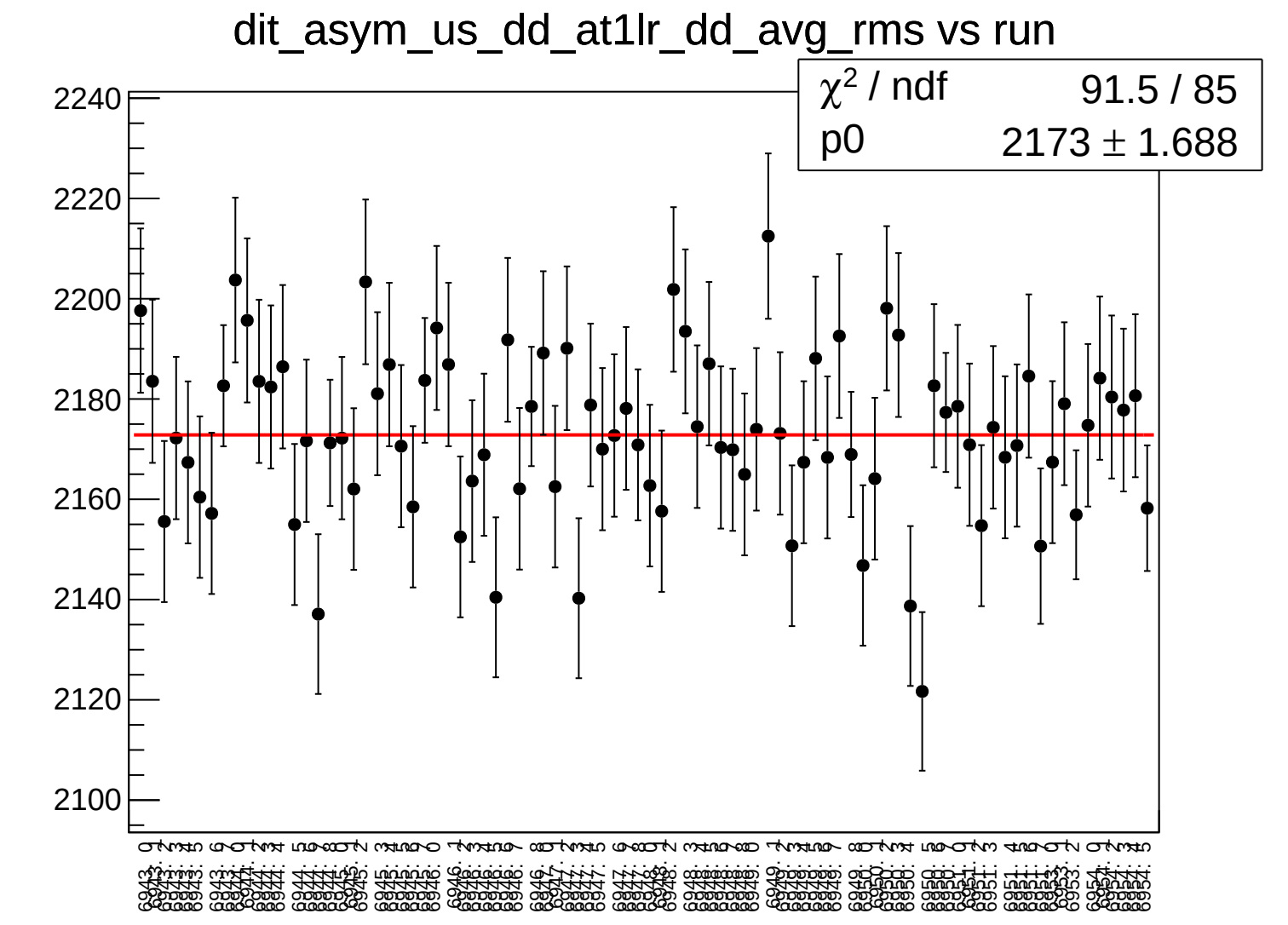

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 88.81 / 85
p0 −567.4 ± 231
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 294.1
Std Dev 0
2
1
0
−1
−2

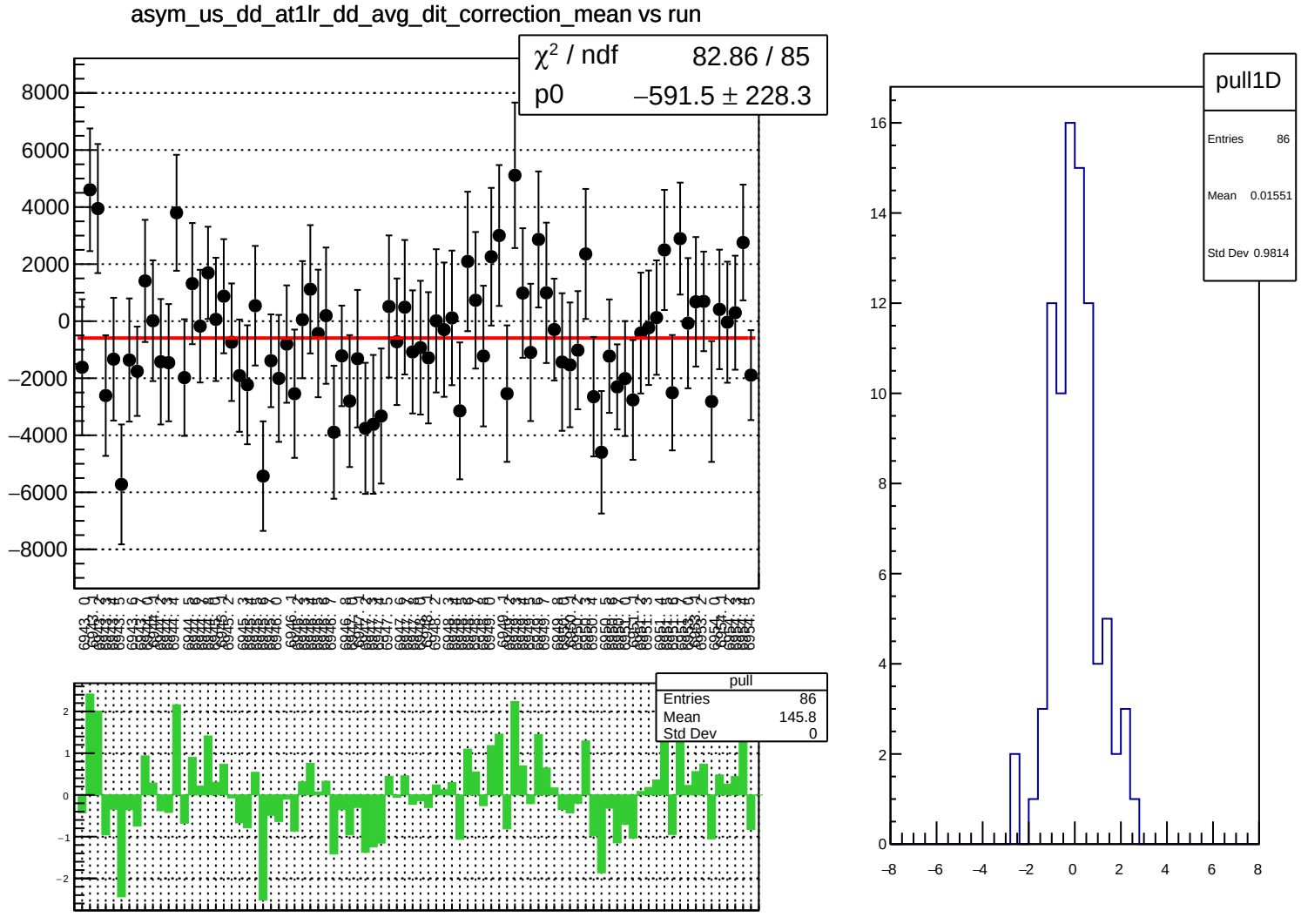

pull1D
Entries 86
Mean 0.01213
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

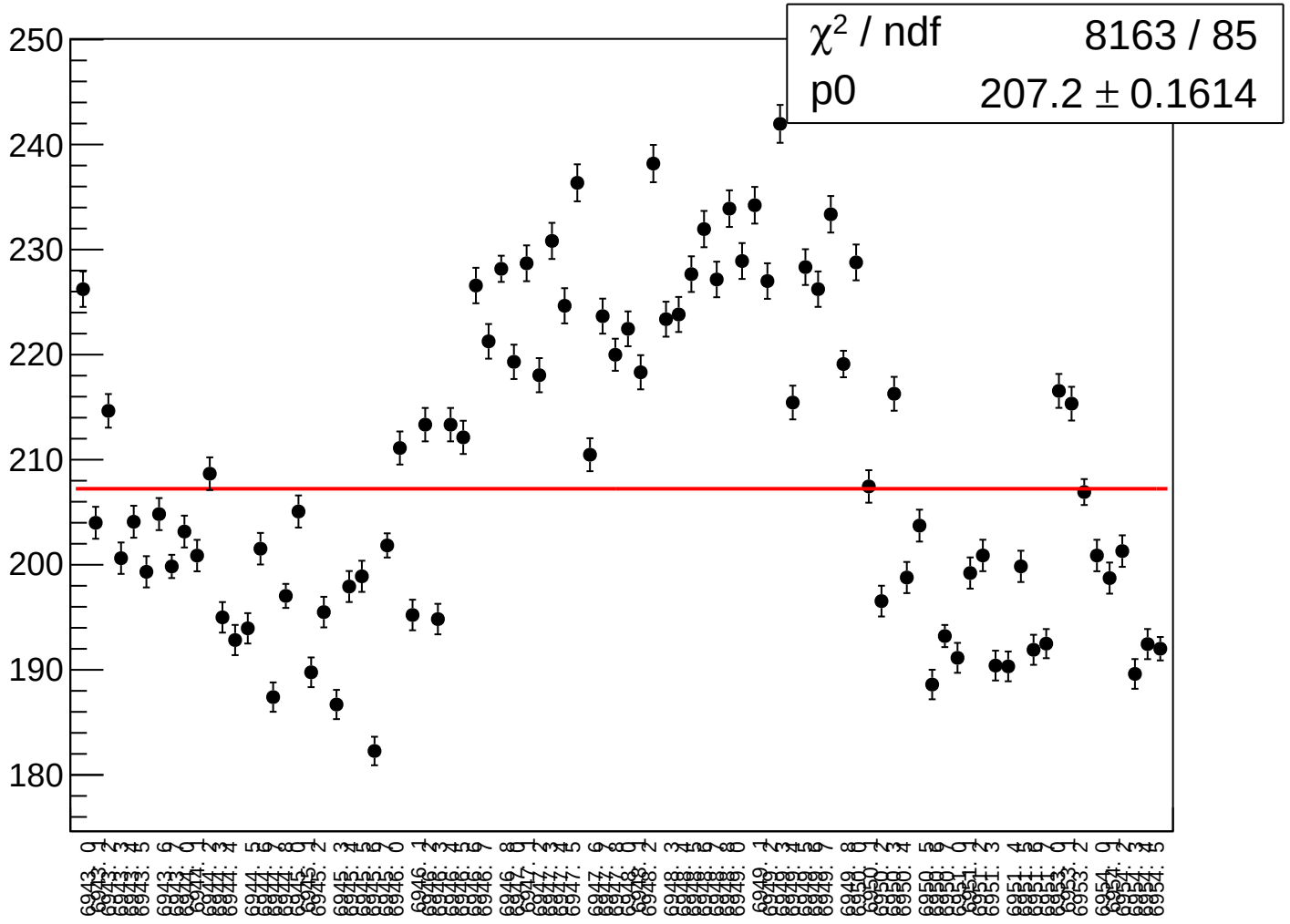

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.016e+04 / 85
p0 208.3 ± 0.1633
300
280
260
240
220
200
180
160
140

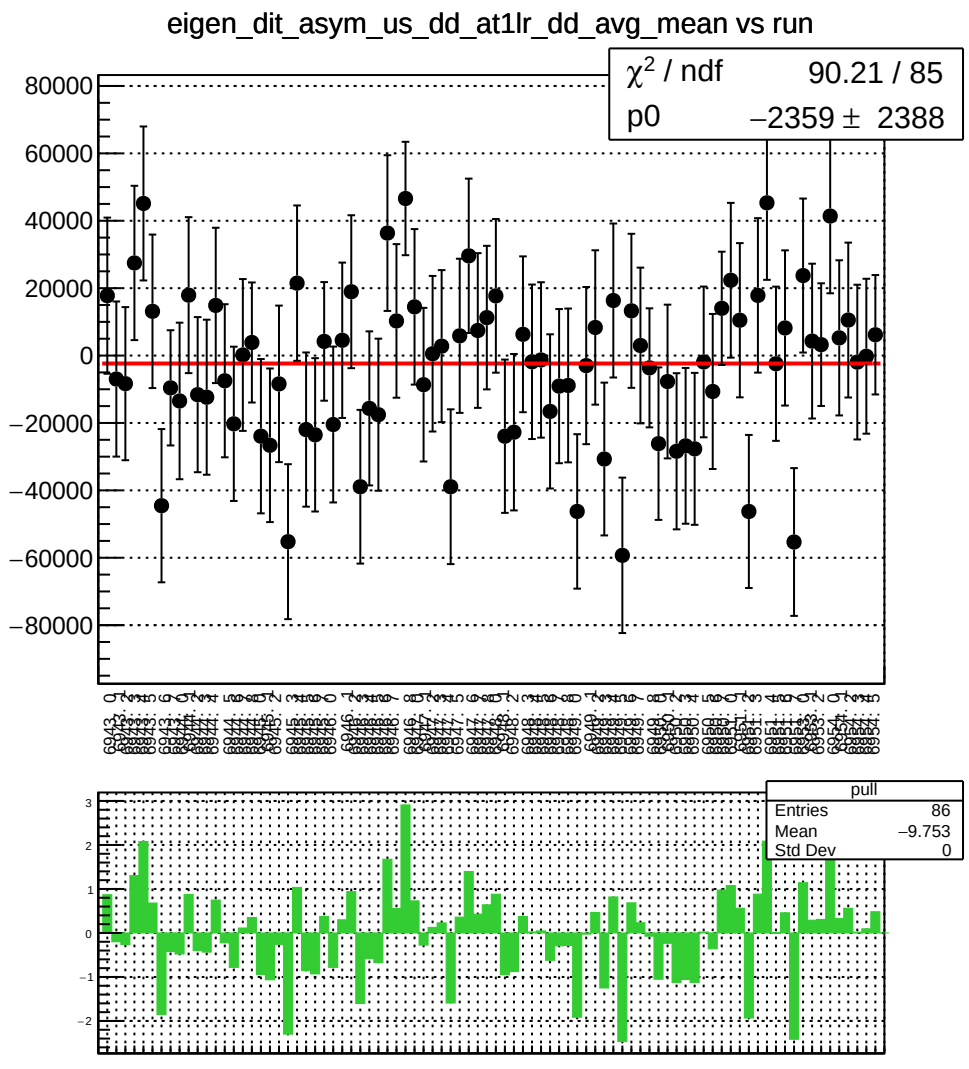

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 90.21 / 85
p0 −2359 ± 2388
pull
Entries 86
Mean −9.753
Std Dev 0

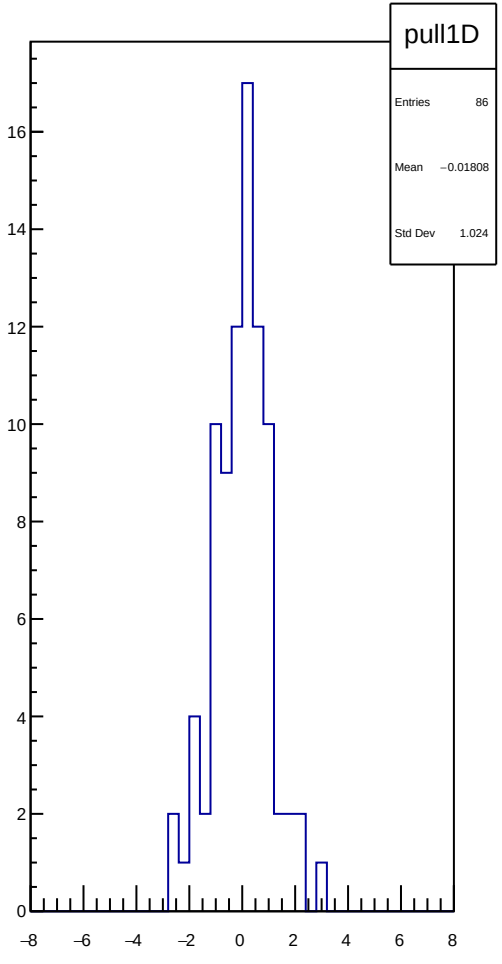

pull1D
Entries 86
Mean −0.01808
Std Dev 1.024

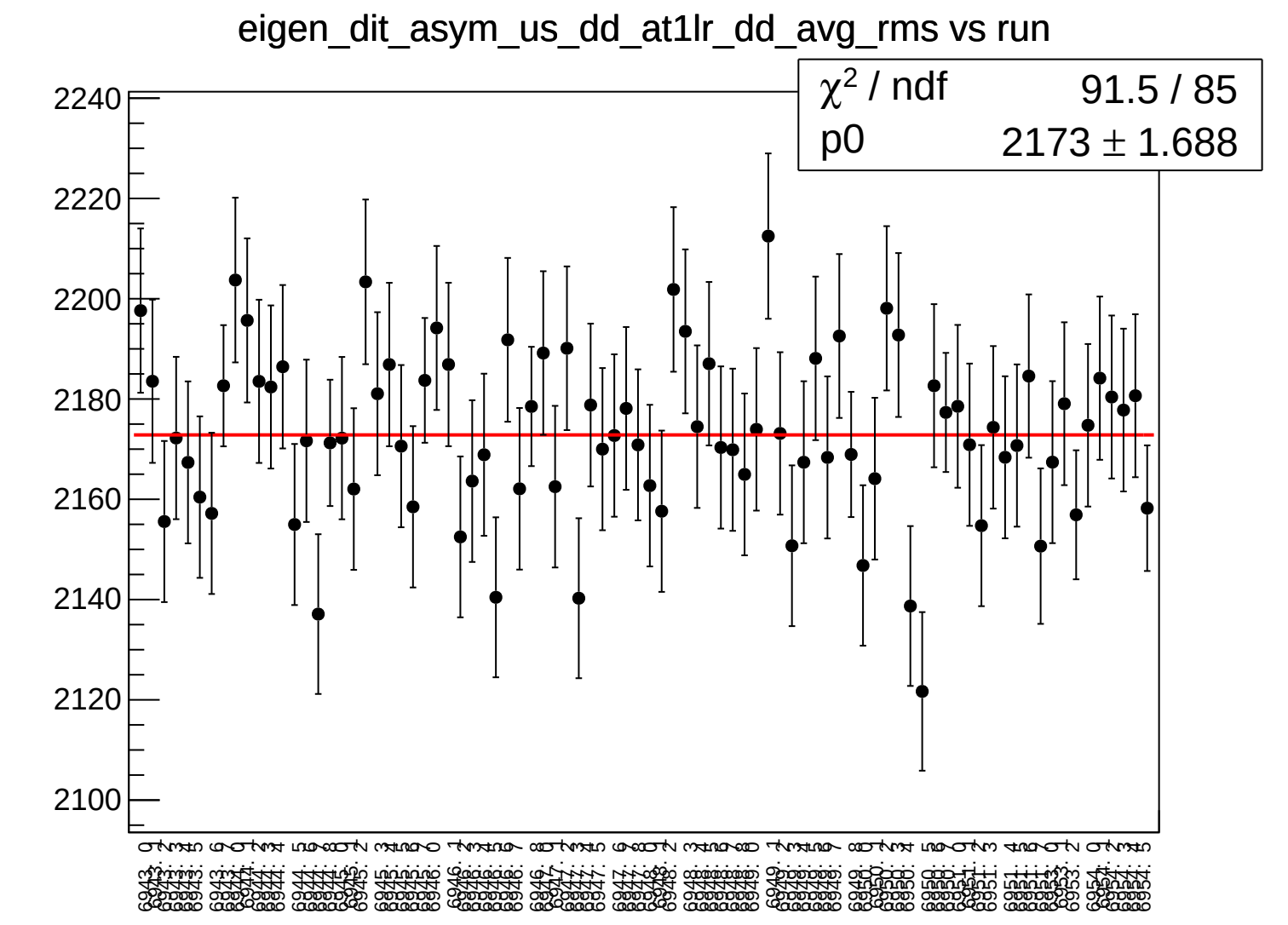

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 91.5 / 85
p0 2173 ± 1.688
2240
2220
2200
2180
2160
2140
2120
2100

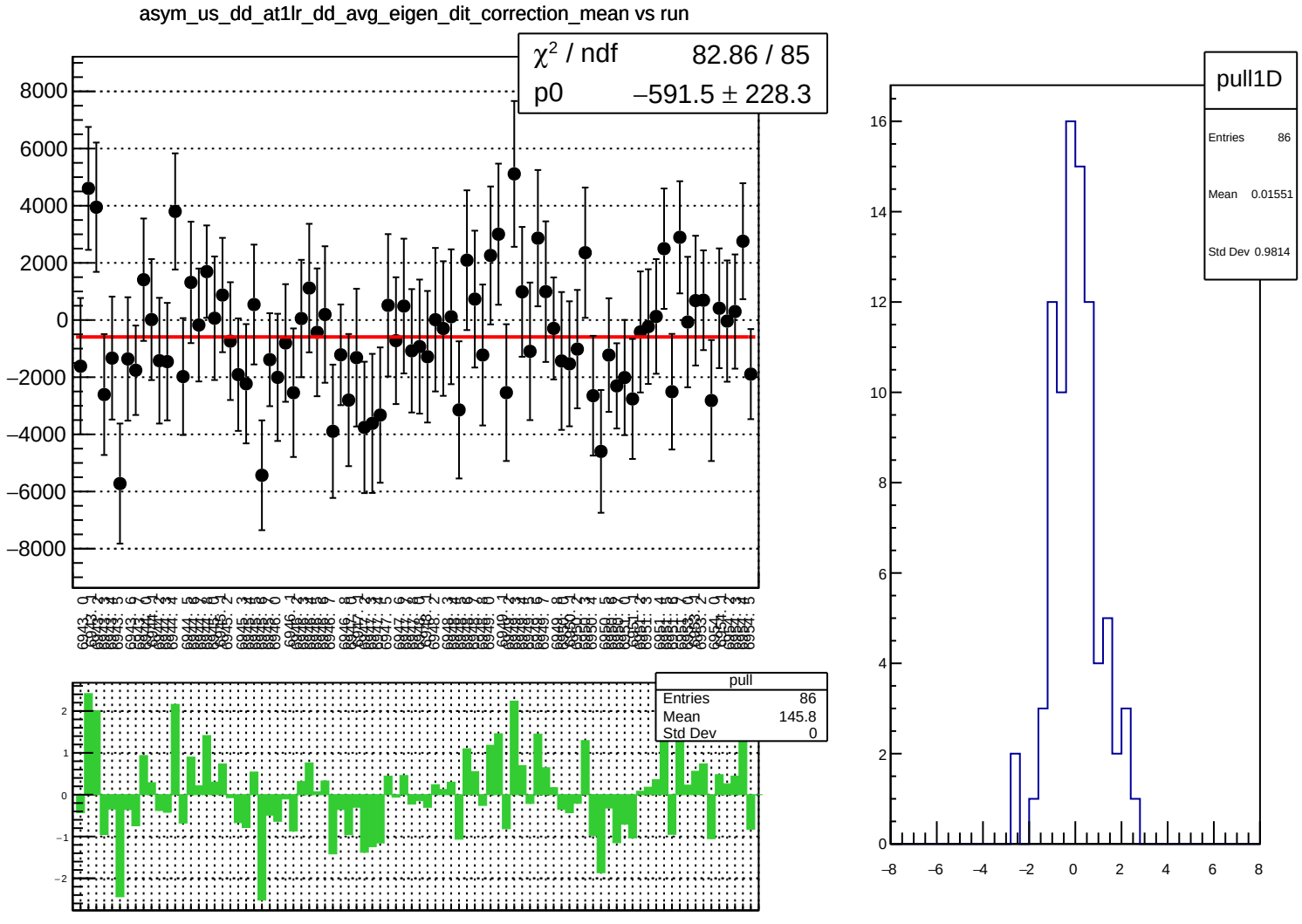

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 82.86 / 85
p0 −591.5 ± 228.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 145.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01551
Std Dev 0.9814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

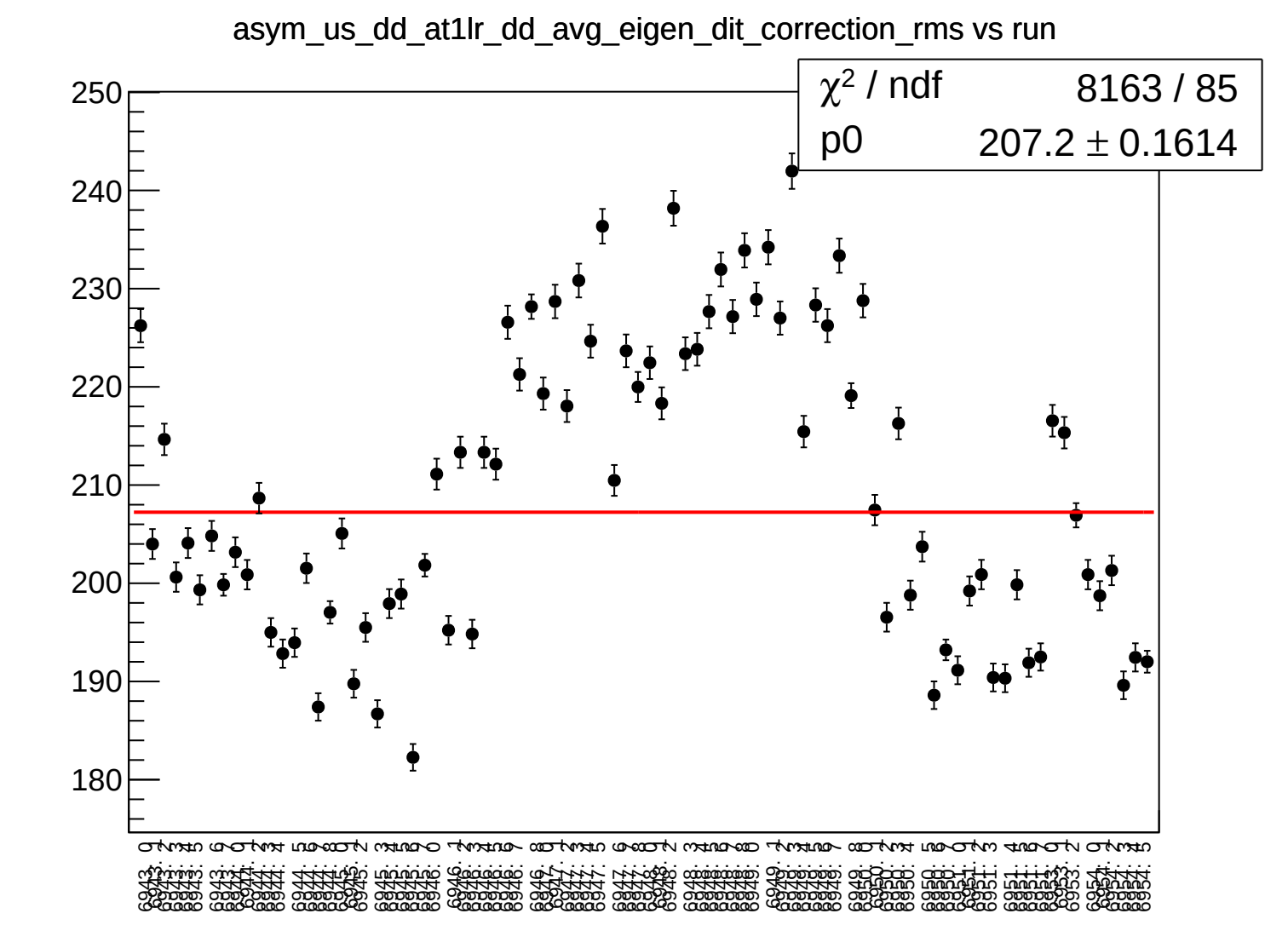

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 8163 / 85
p0 207.2 ± 0.1614
250
240
230
220
210
200
190
180

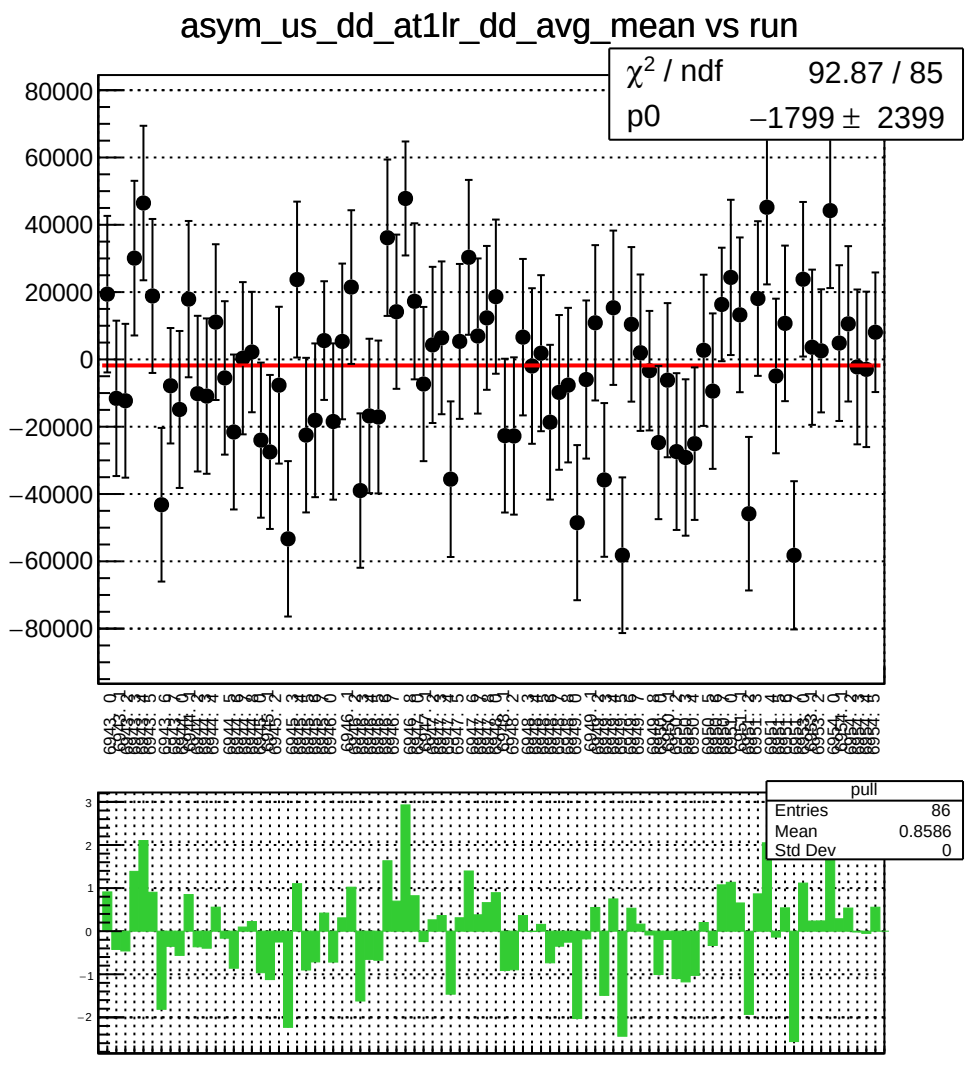

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 90.21 / 85
p0 −2359 ± 2388
pull
Entries 86
Mean −9.753
Std Dev 0

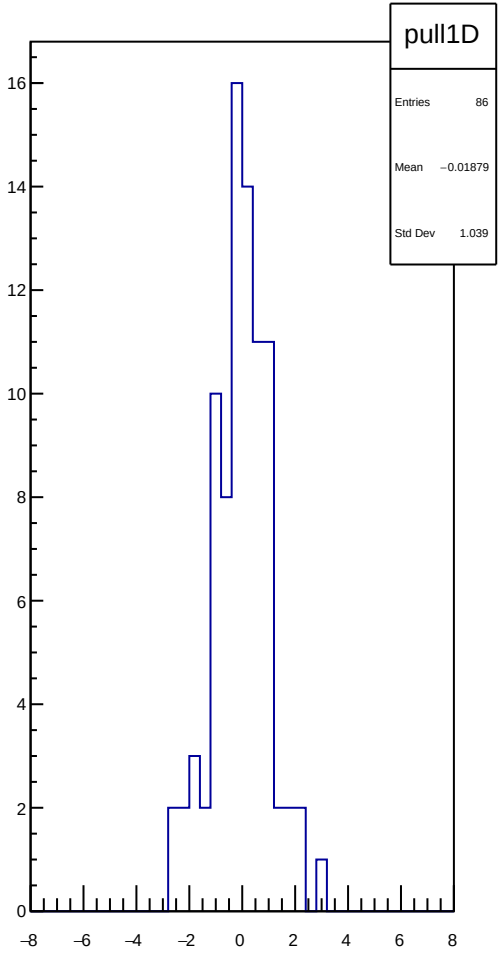

pull1D
Entries 86
Mean −0.01808
Std Dev 1.024

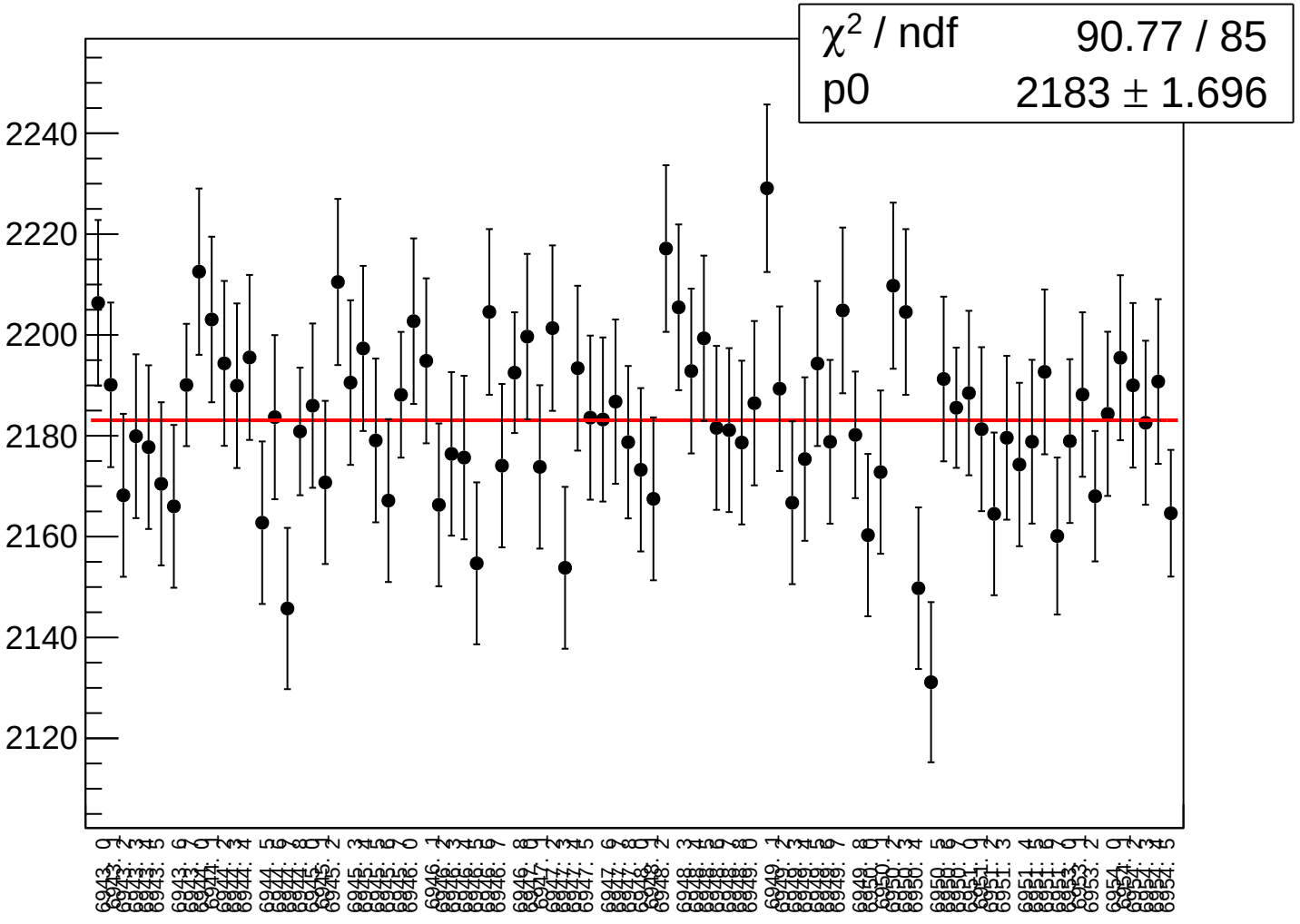

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 91.5 / 85
p0 2173 ± 1.688
2240
2220
2200
2180
2160
2140
2120
2100

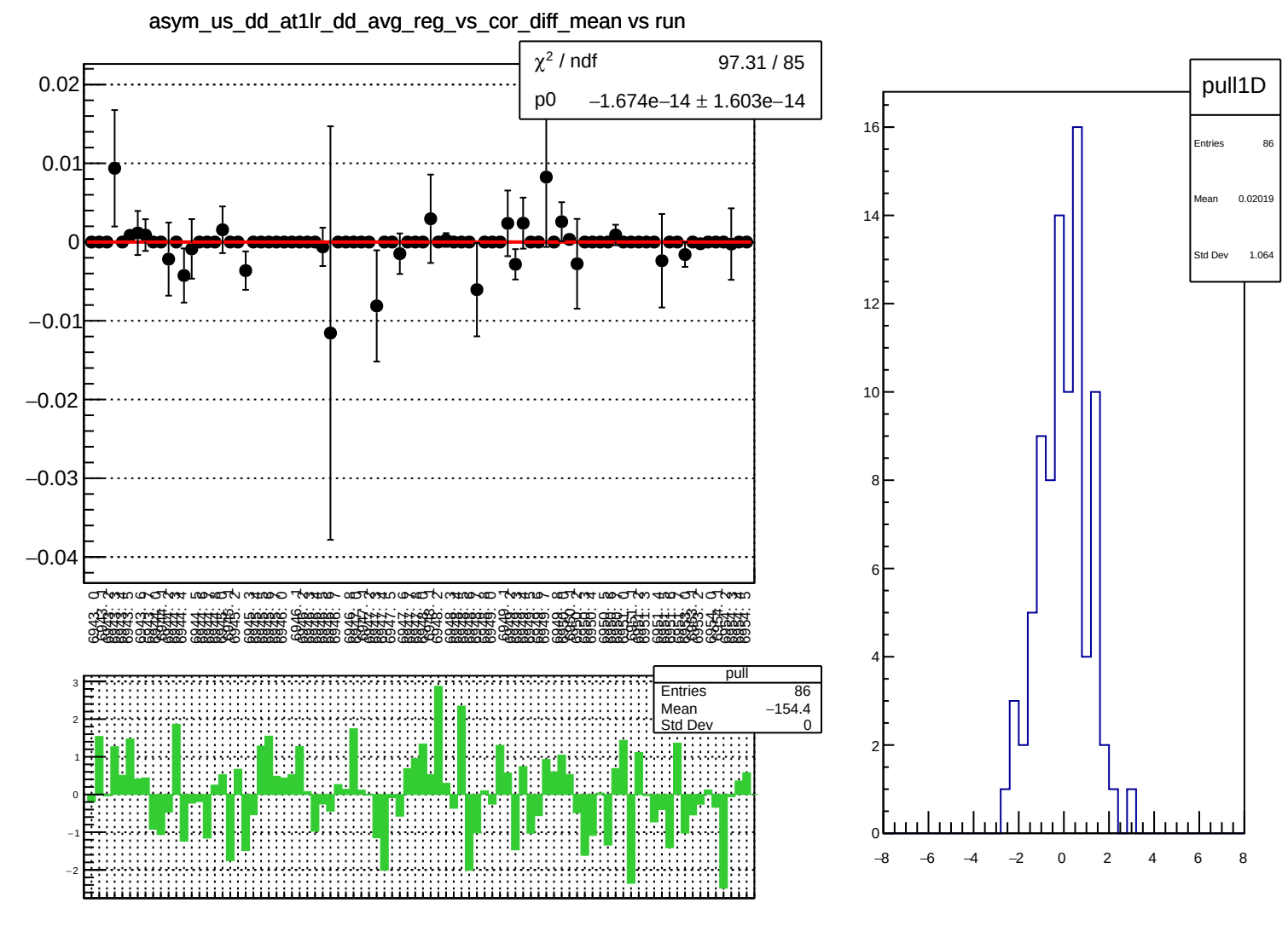

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.86 / 85
p0 −591.5 ± 228.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 145.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01551
Std Dev 0.9814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

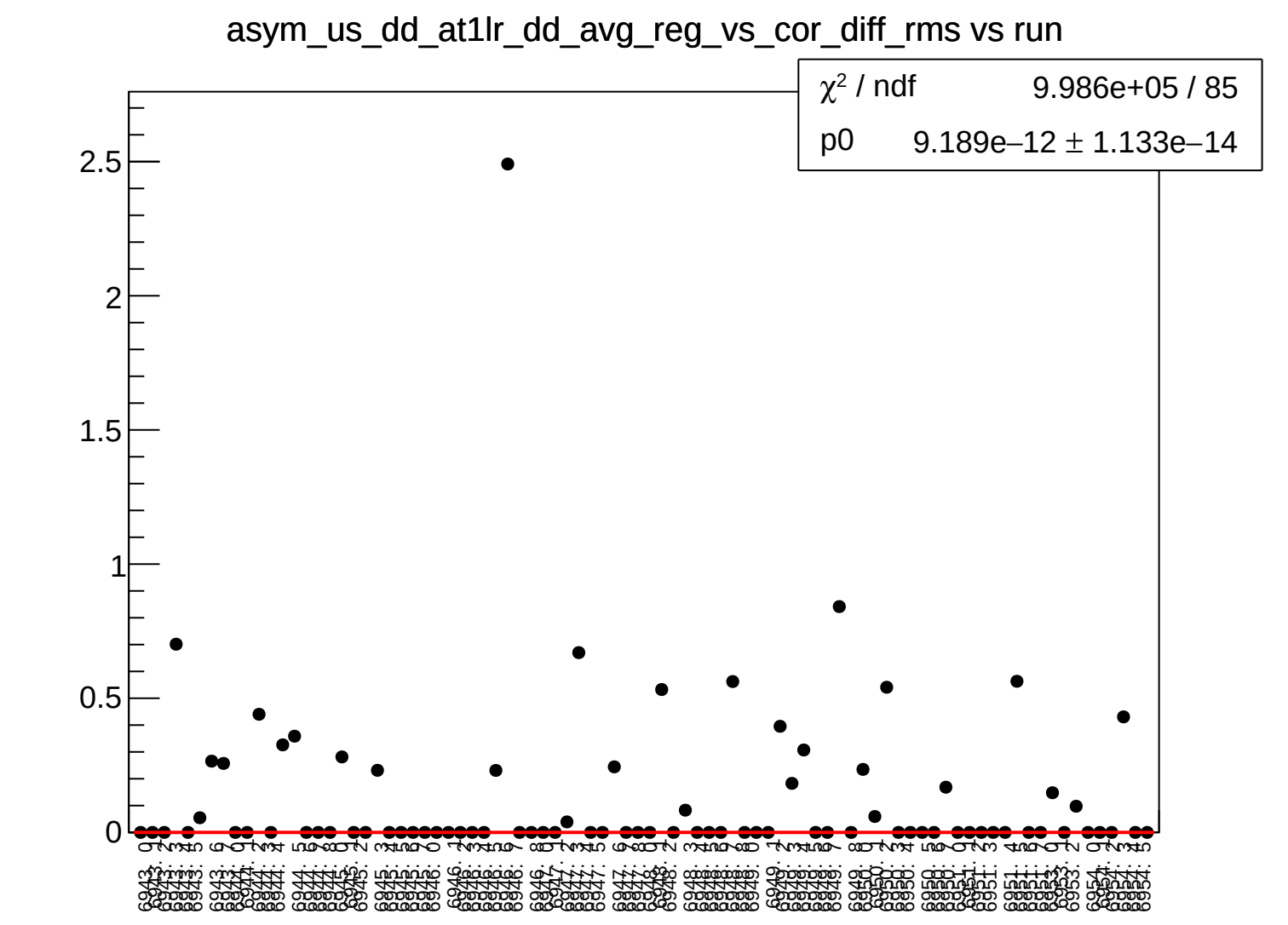

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 8163 / 85
p0 207.2 ± 0.1614
250
240
230
220
210
200
190
180

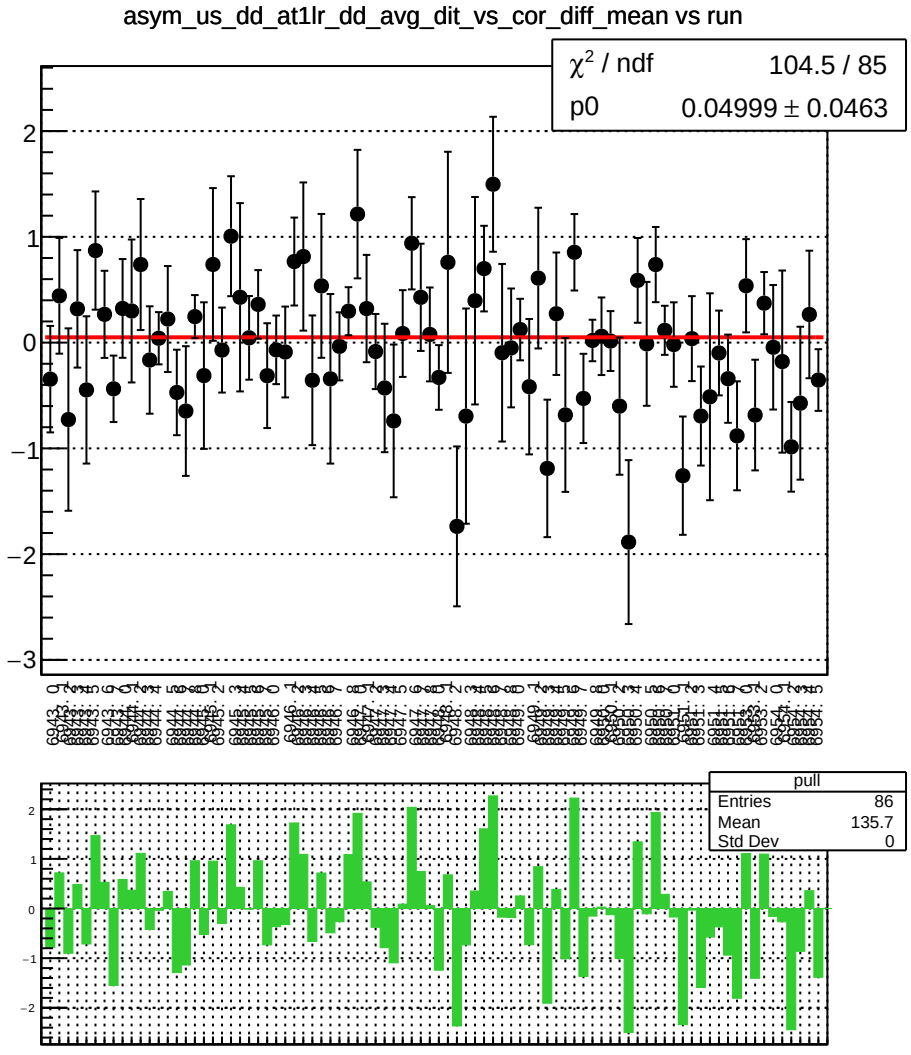

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 92.87 / 85
p0 −1799 ± 2399
pull
Entries 86
Mean 0.8586
Std Dev 0

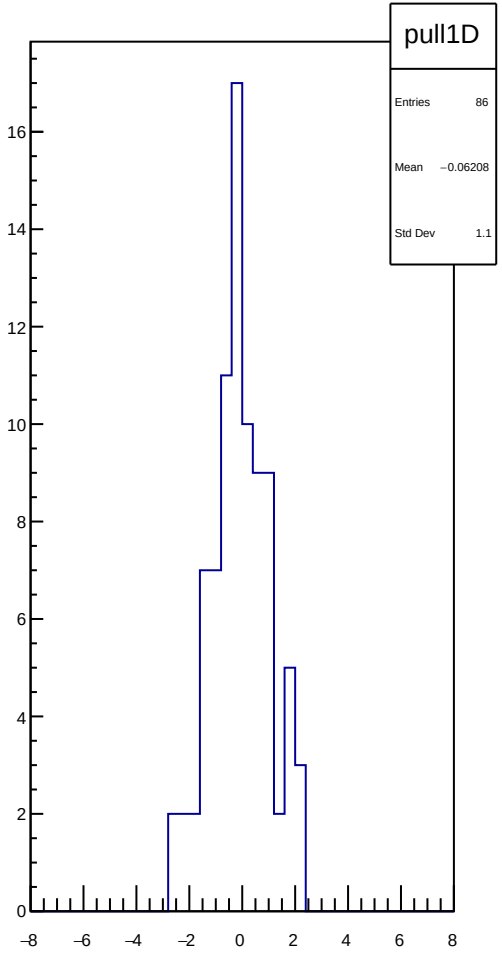

pull1D
Entries 86
Mean −0.01879
Std Dev 1.039

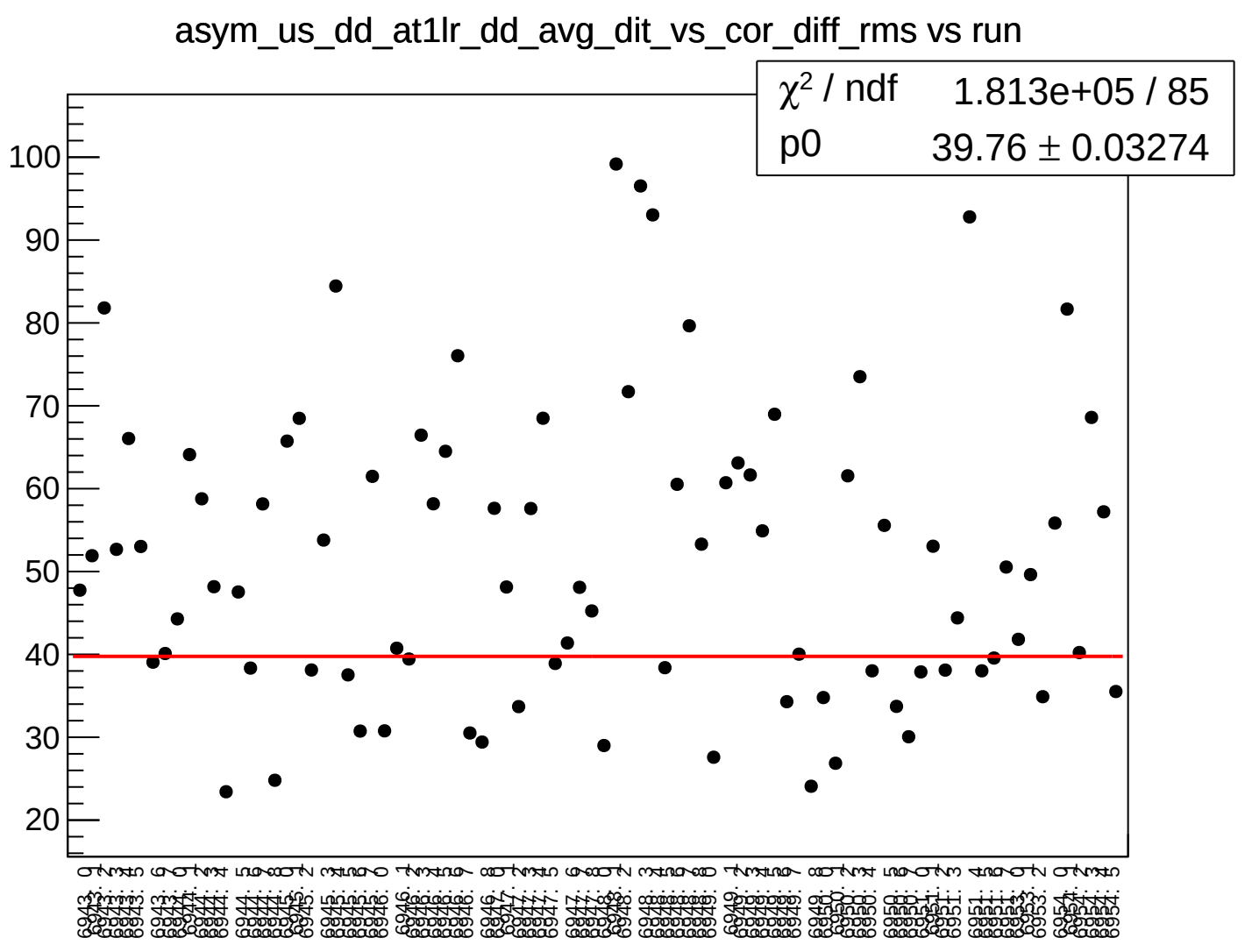

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.77 / 85
p0 2183 ± 1.696
2240
2220
2200
2180
2160
2140
2120

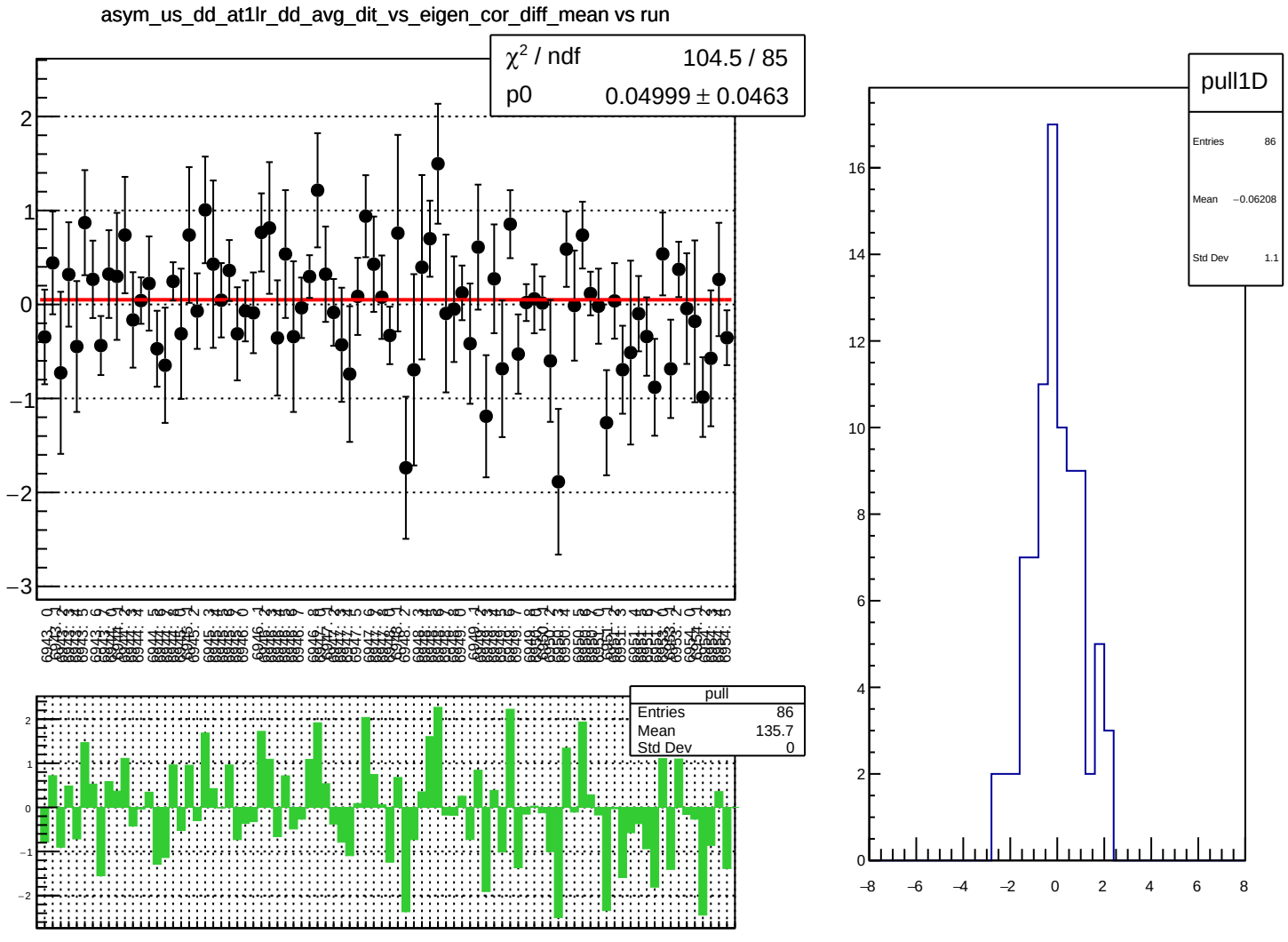

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.31 / 85
p0 −1.674e−14 ± 1.603e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 86
Mean −154.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02019
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

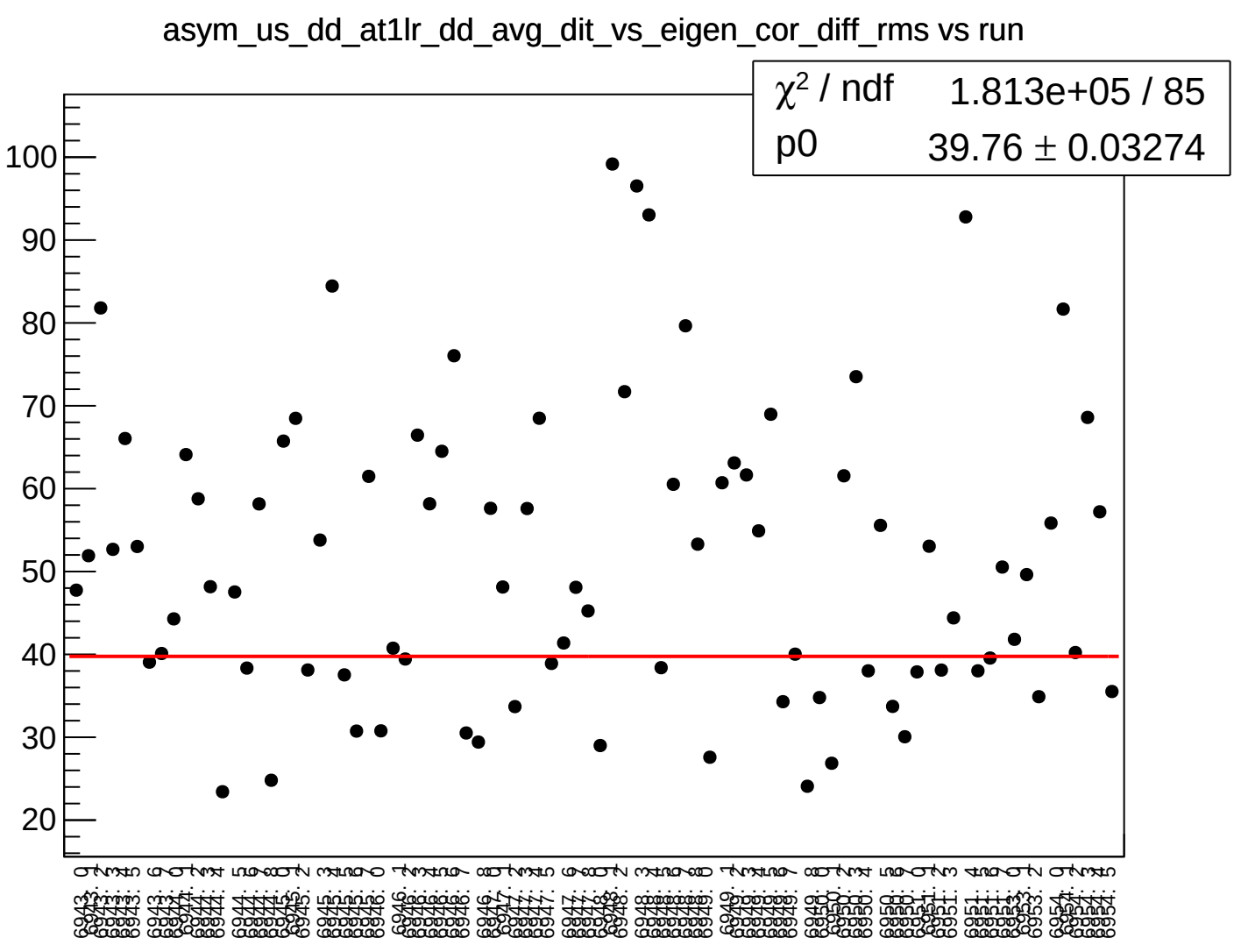

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.986e+05 / 85
p0 9.189e−12 ± 1.133e−14
2.5
2
1.5
1
0.5
0

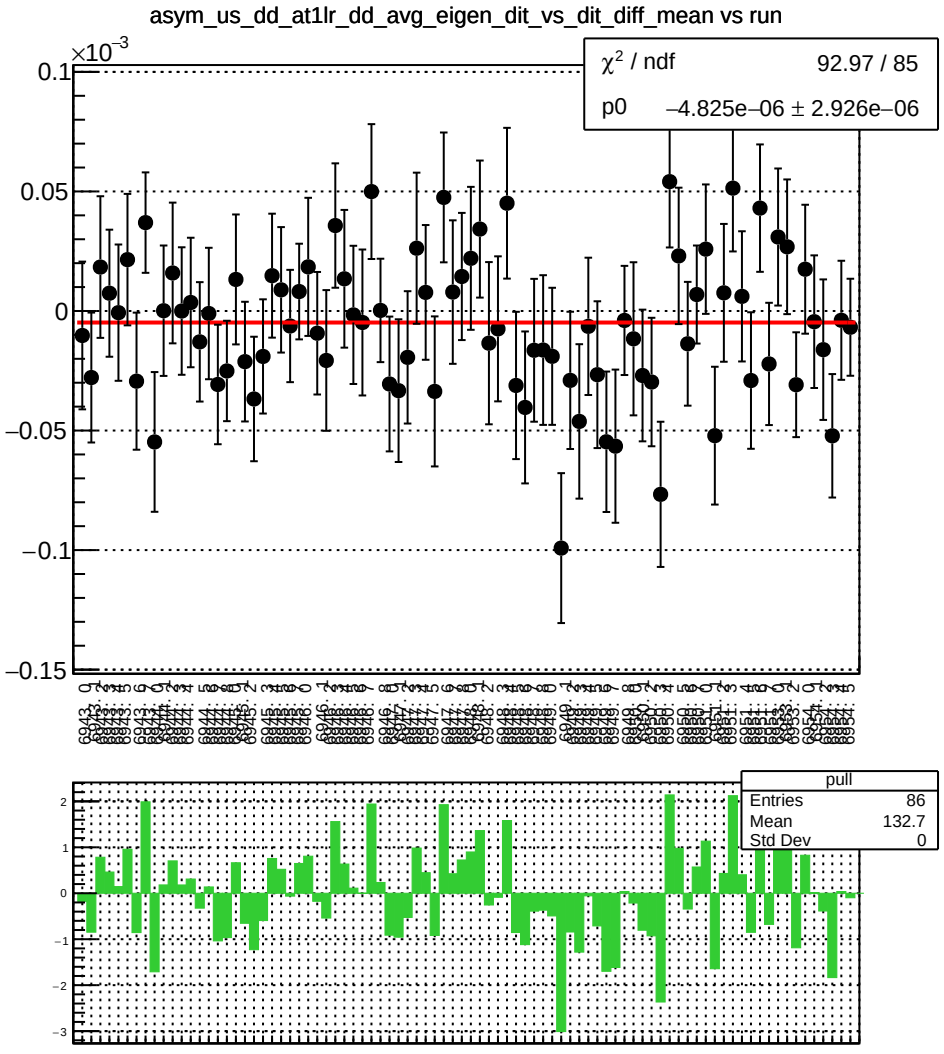

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 85
p0 0.04999 ± 0.0463
pull
Entries 86
Mean 135.7
Std Dev 0

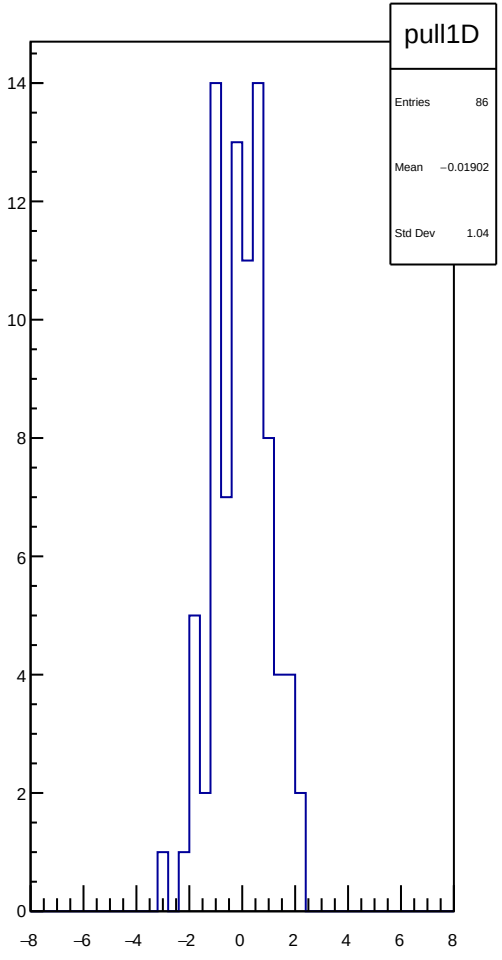

pull1D
Entries 86
Mean −0.06208
Std Dev 1.1

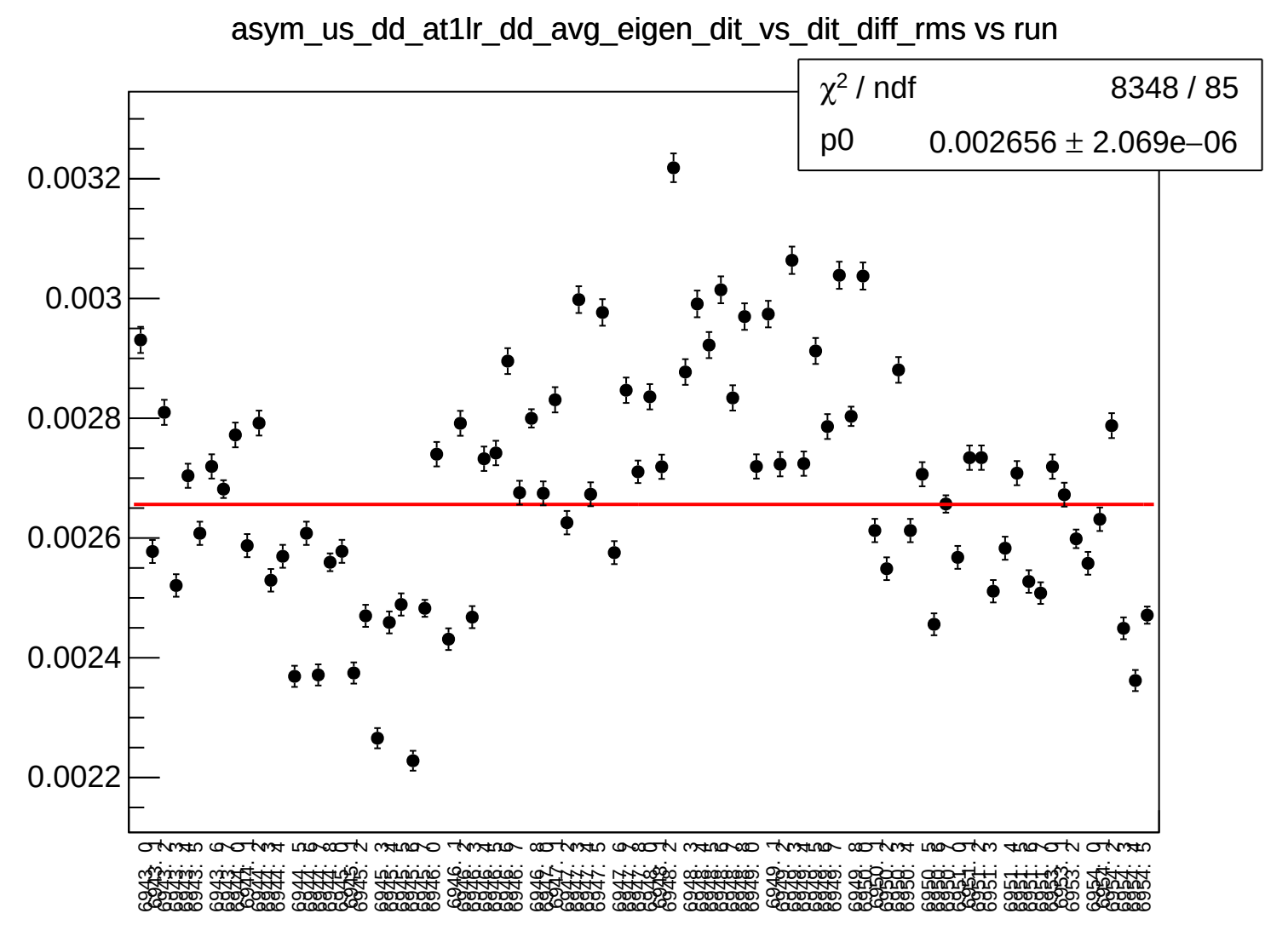

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.813e+05 / 85
p0 39.76 ± 0.03274
100
90
80
70
60
50
40
30
20

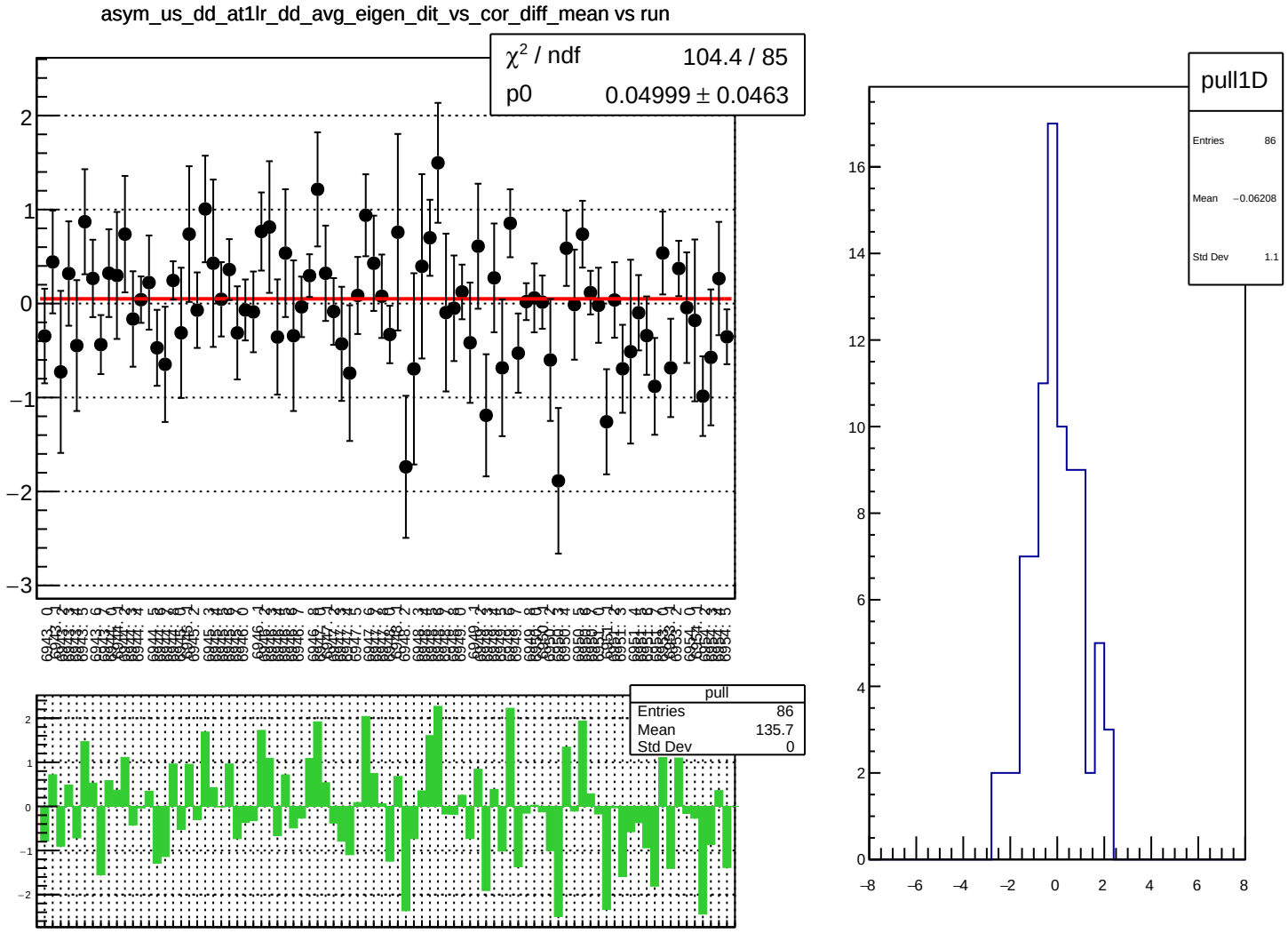

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.5 / 85
p0 0.04999 ± 0.0463
pull
Entries 86
Mean 135.7
Std Dev 0
pull1D
Entries 86
Mean −0.06208
Std Dev 1.1

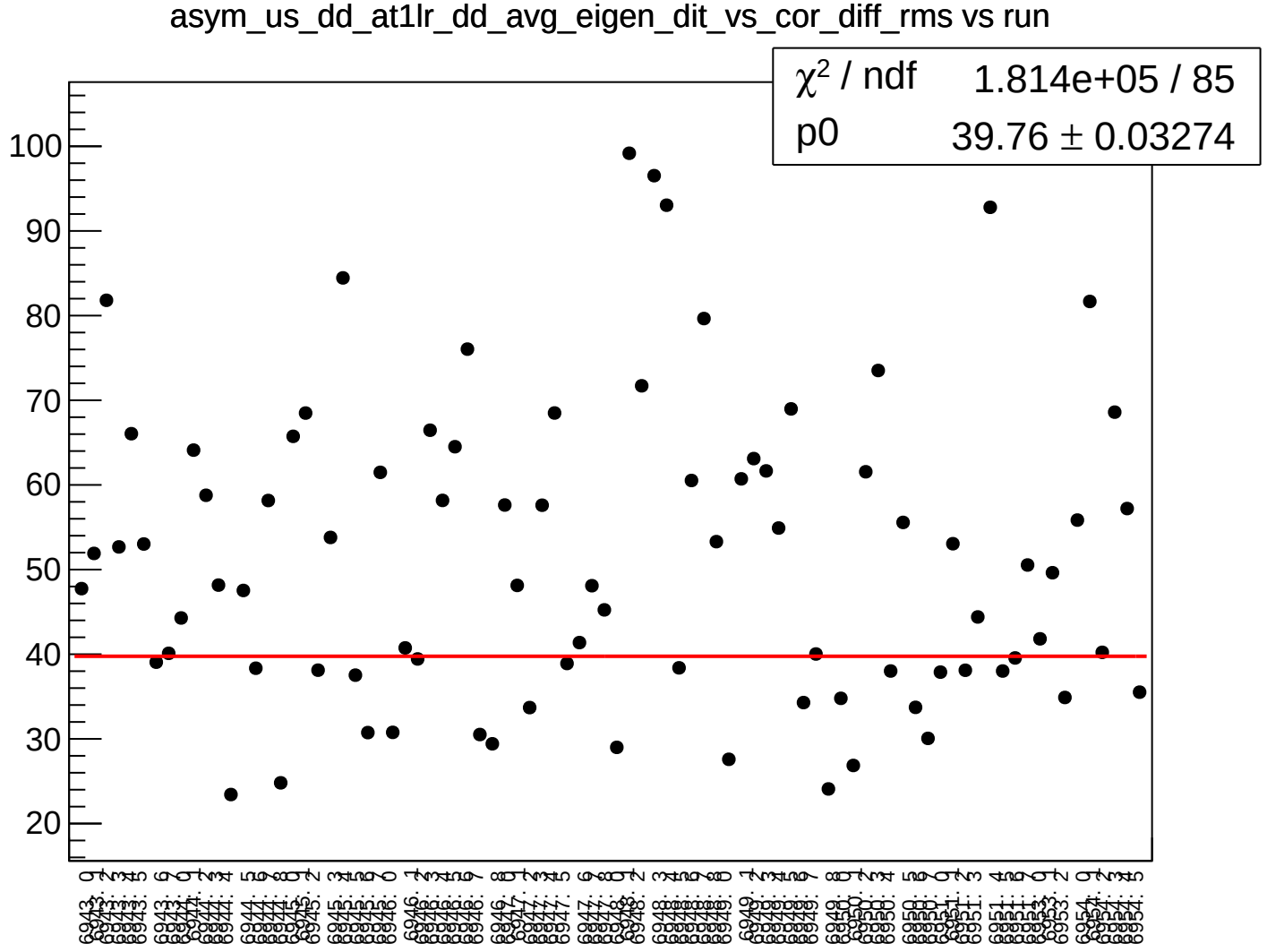

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.813e+05 / 85
p0 39.76 ± 0.03274
100
90
80
70
60
50
40
30
20

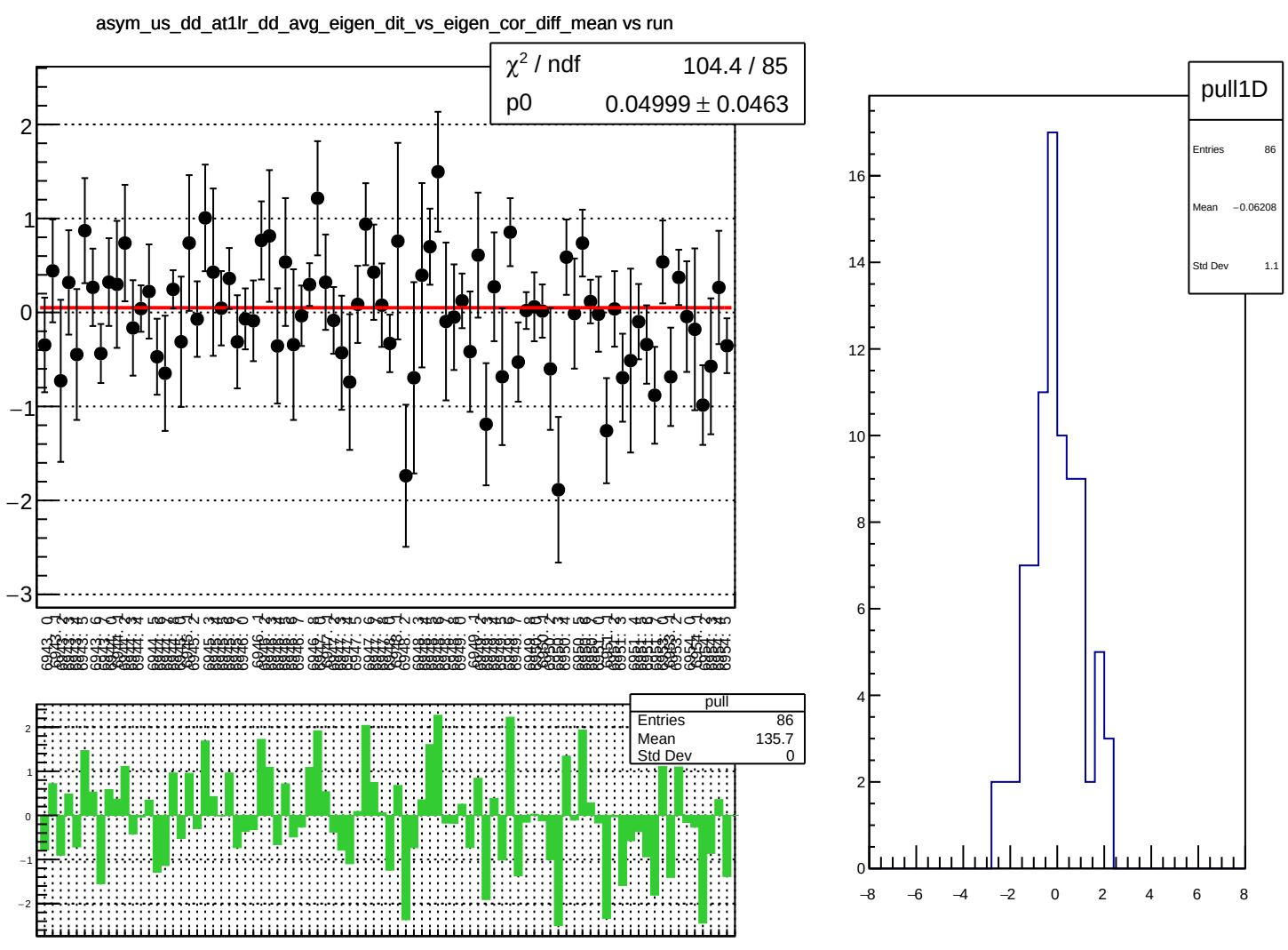

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.97 / 85
p0 −4.825e−06 ± 2.926e−06
pull
Entries 86
Mean 132.7
Std Dev 0

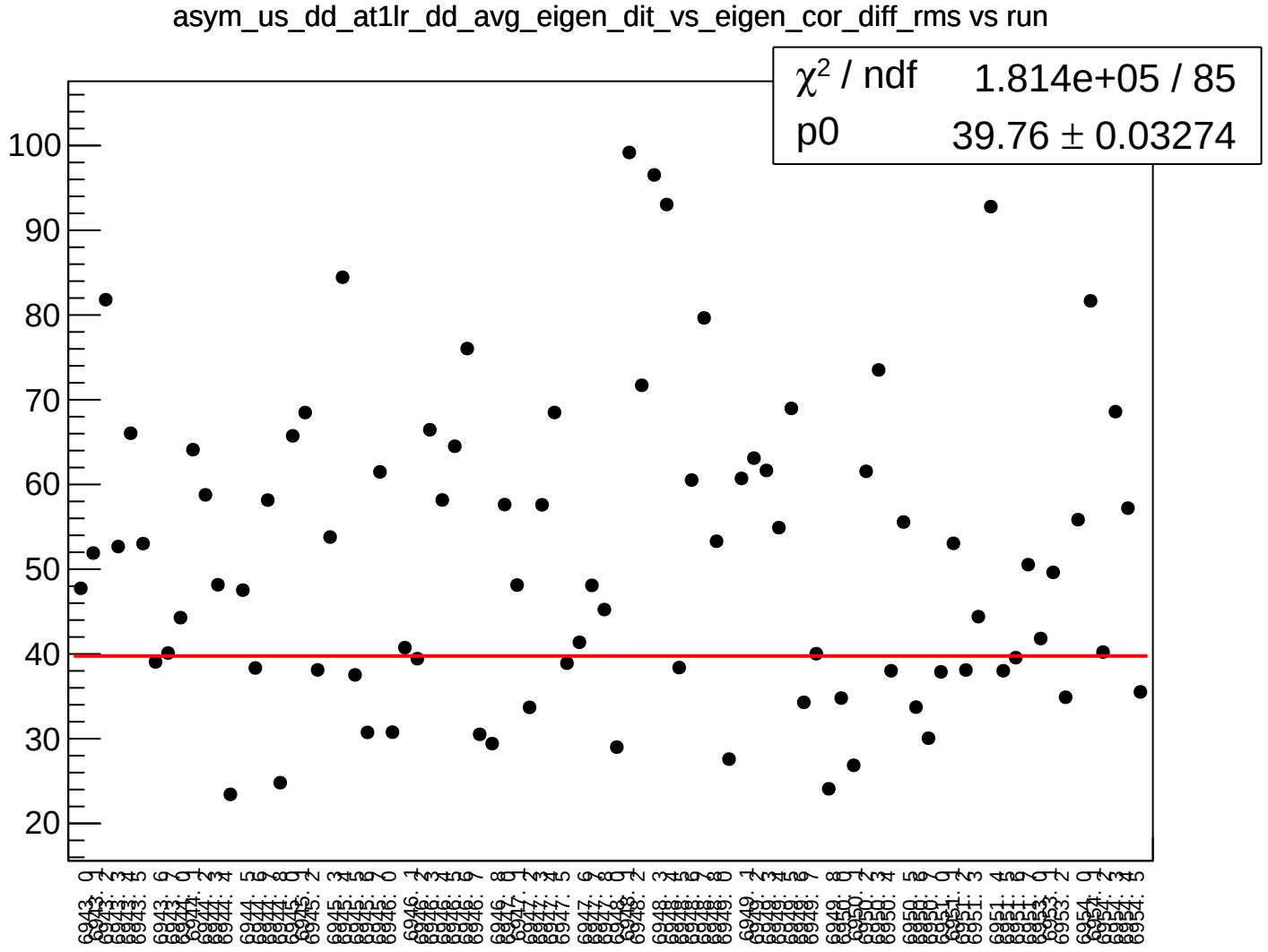

pull1D
Entries 86
Mean −0.01902
Std Dev 1.04

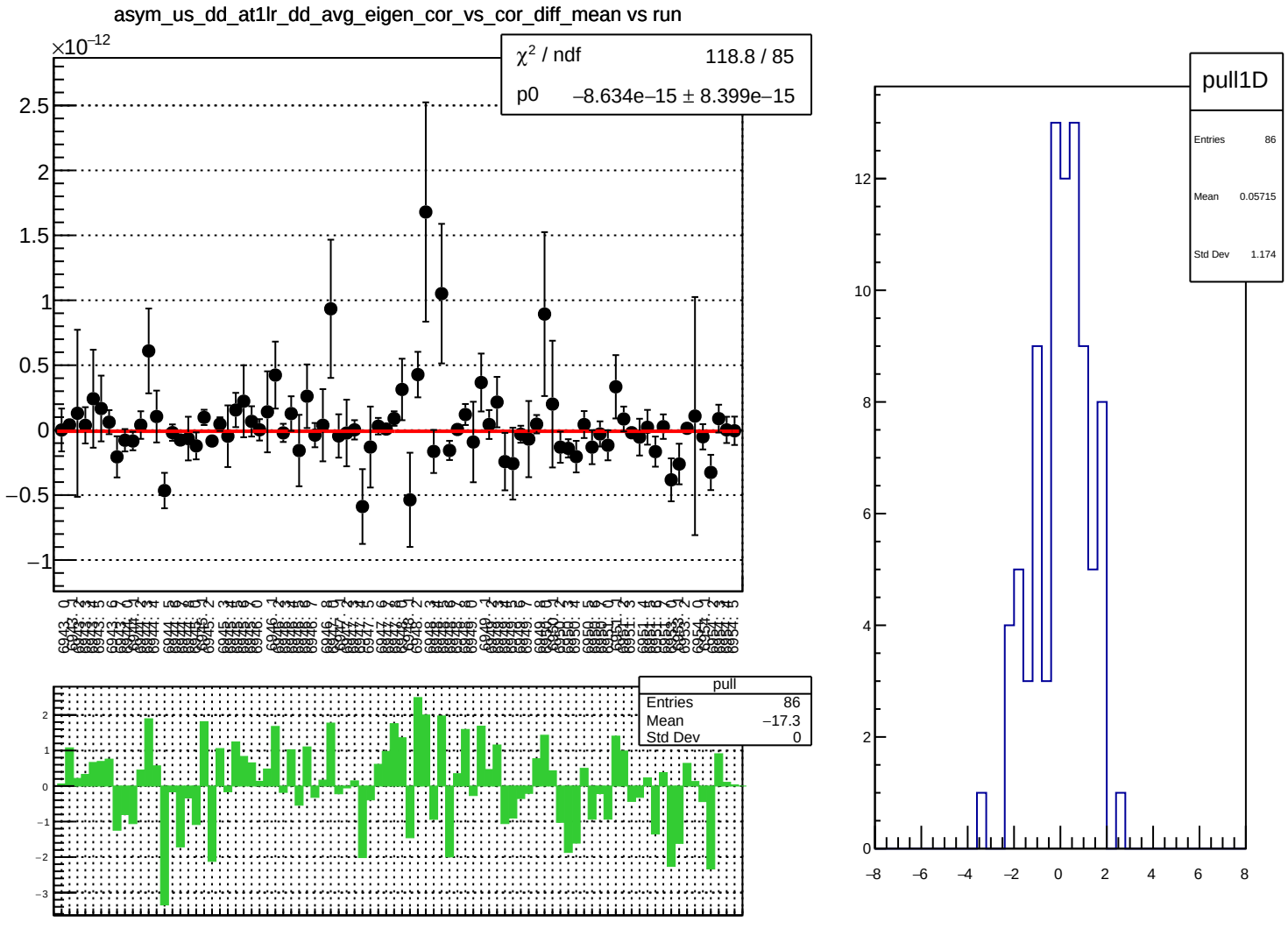

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8348 / 85
p0 0.002656 ± 2.069e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

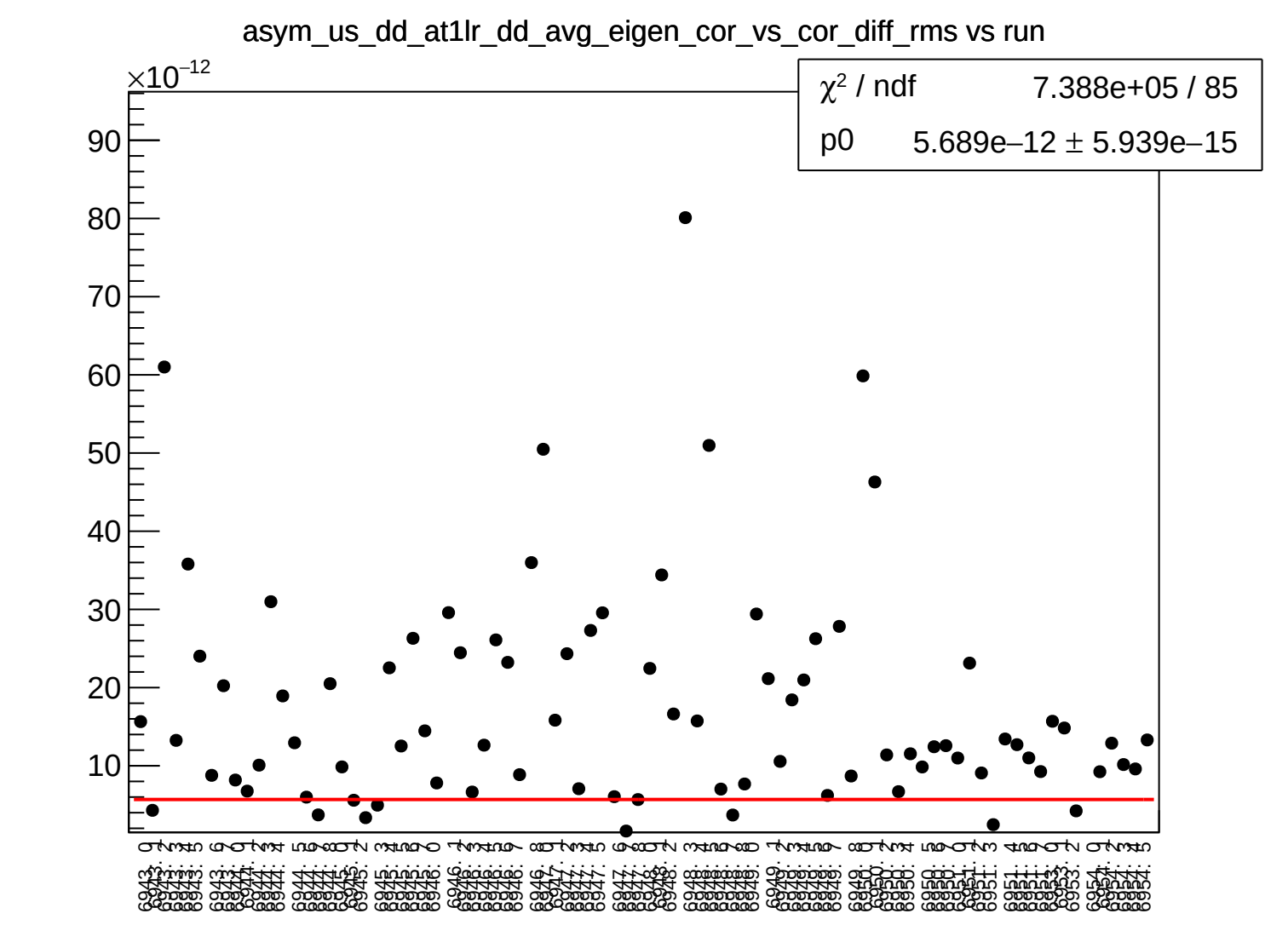

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.4 / 85
p0 0.04999 ± 0.0463
pull
Entries 86
Mean 135.7
Std Dev 0
pull1D
Entries 86
Mean −0.06208
Std Dev 1.1

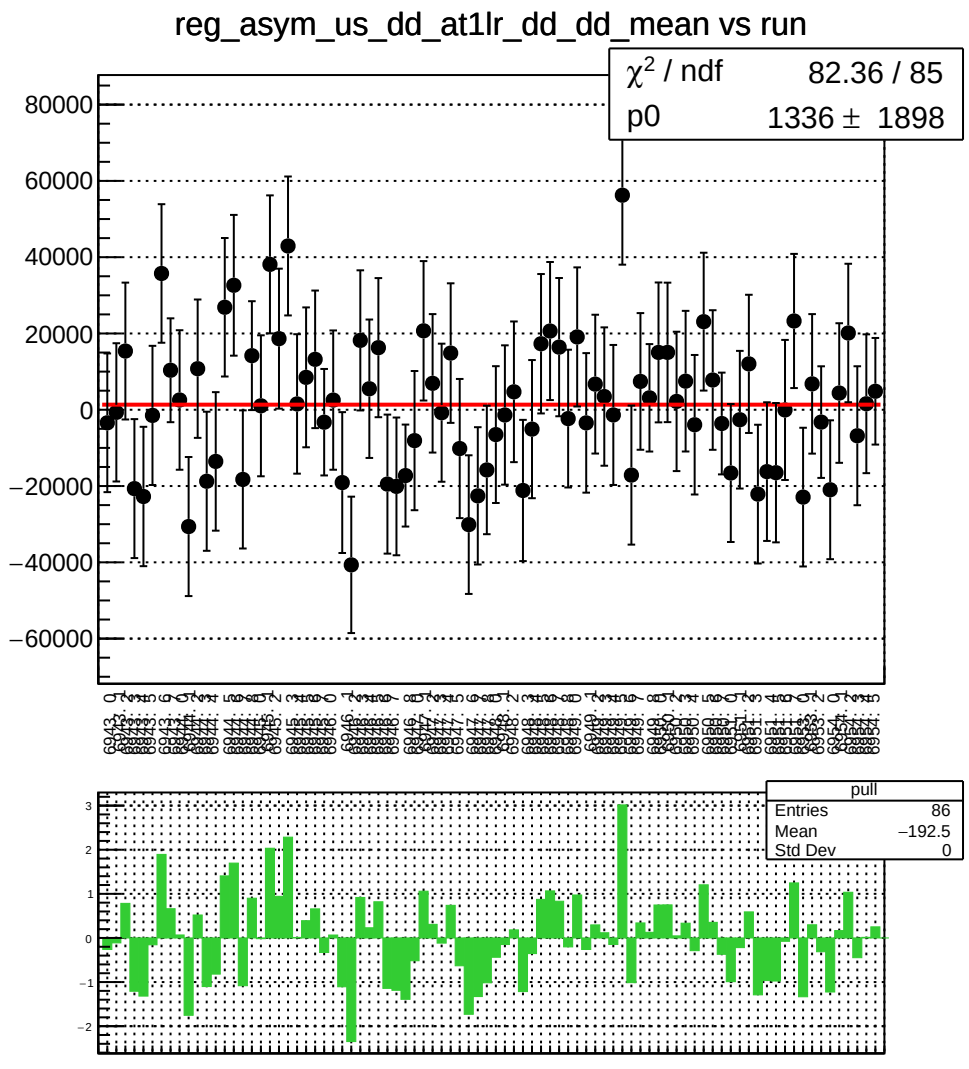

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.814e+05 / 85
p0 39.76 ± 0.03274
100
90
80
70
60
50
40
30
20

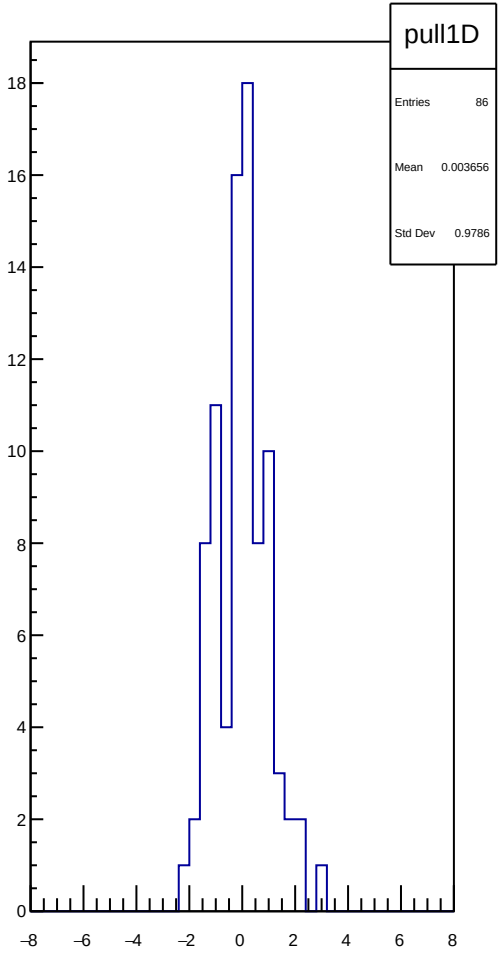

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.4 / 85
p0 0.04999 ± 0.0463
pull
Entries 86
Mean 135.7
Std Dev 0
pull1D
Entries 86
Mean −0.06208
Std Dev 1.1

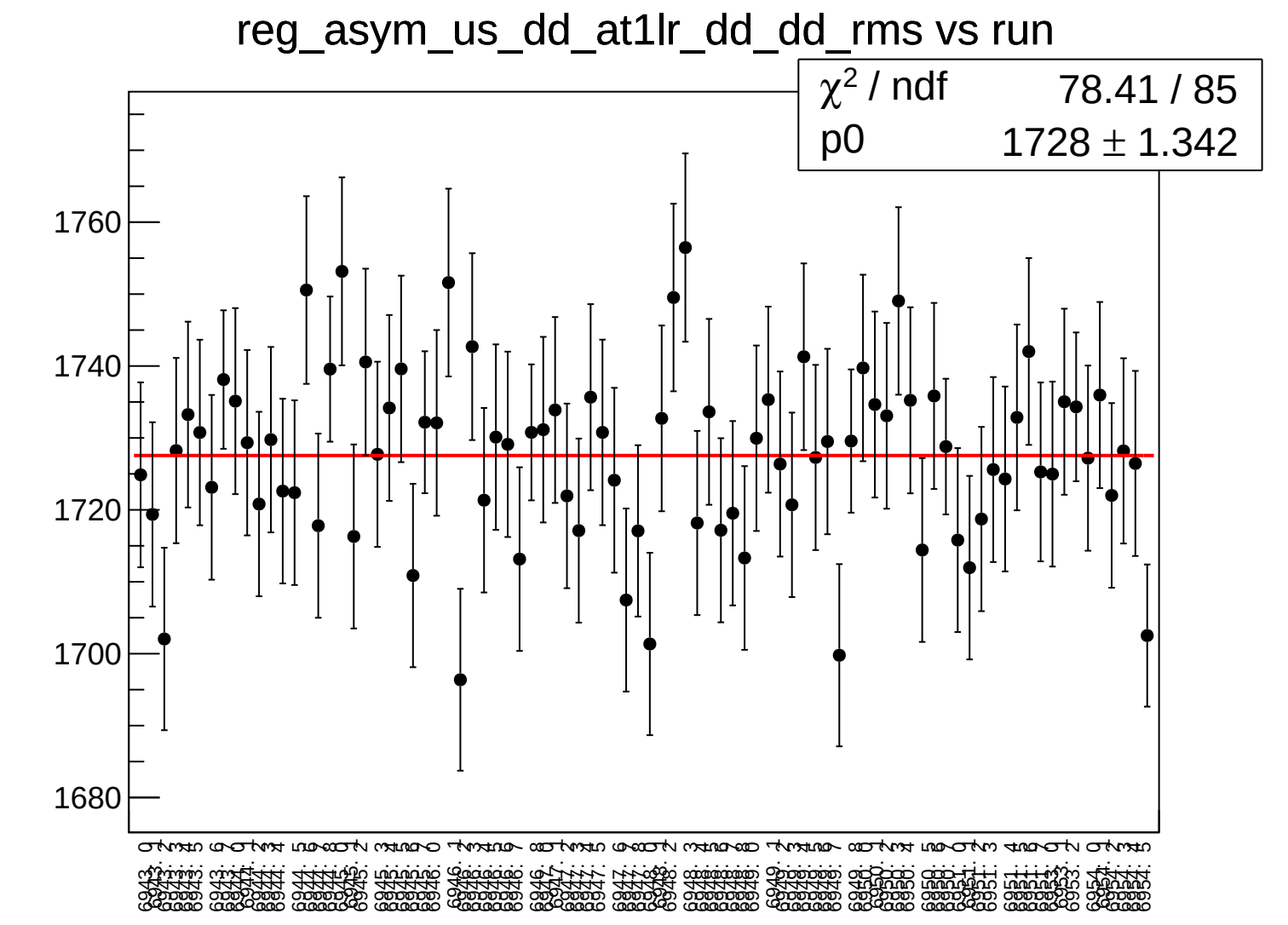

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.814e+05 / 85
p0 39.76 ± 0.03274
100
90
80
70
60
50
40
30
20

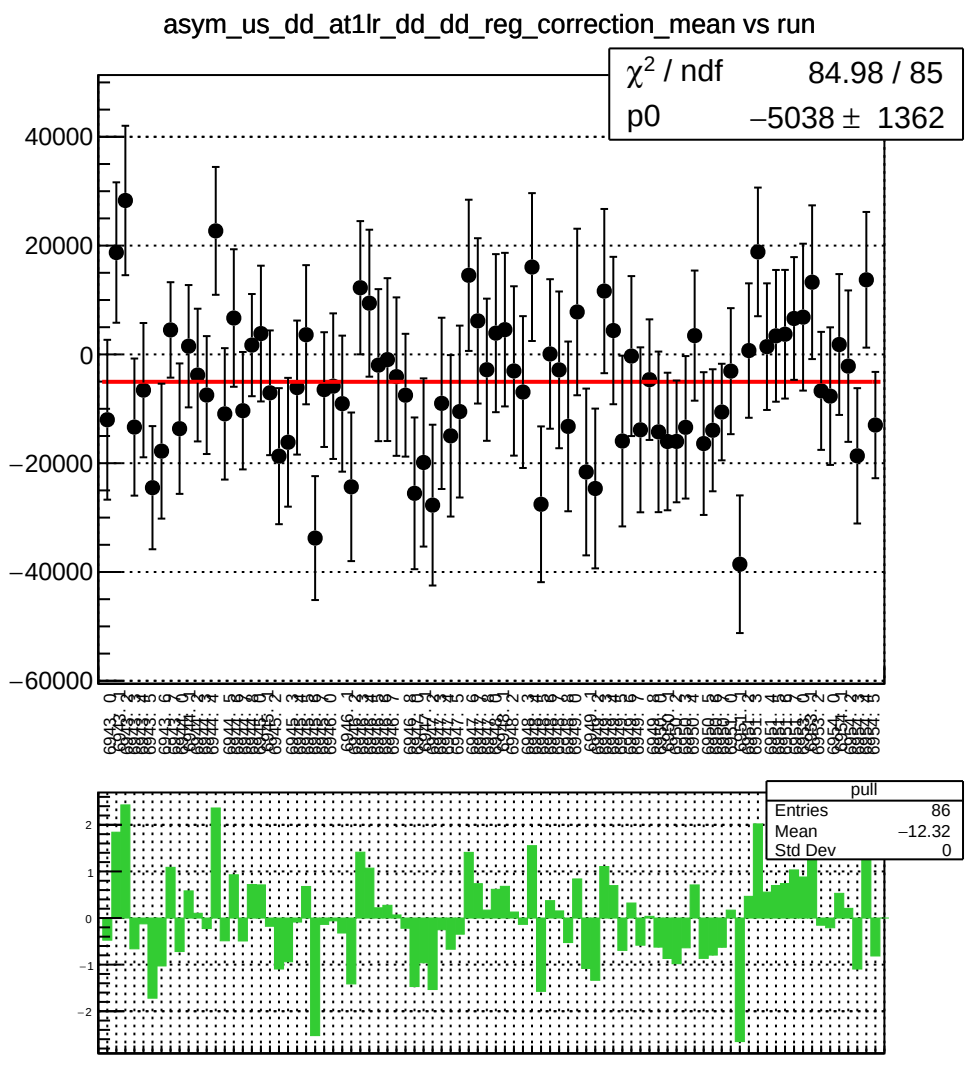

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 118.8 / 85
p0 −8.634e−15 ± 8.399e−15
pull
Entries 86
Mean −17.3
Std Dev 0
pull1D
Entries 86
Mean 0.05715
Std Dev 1.174

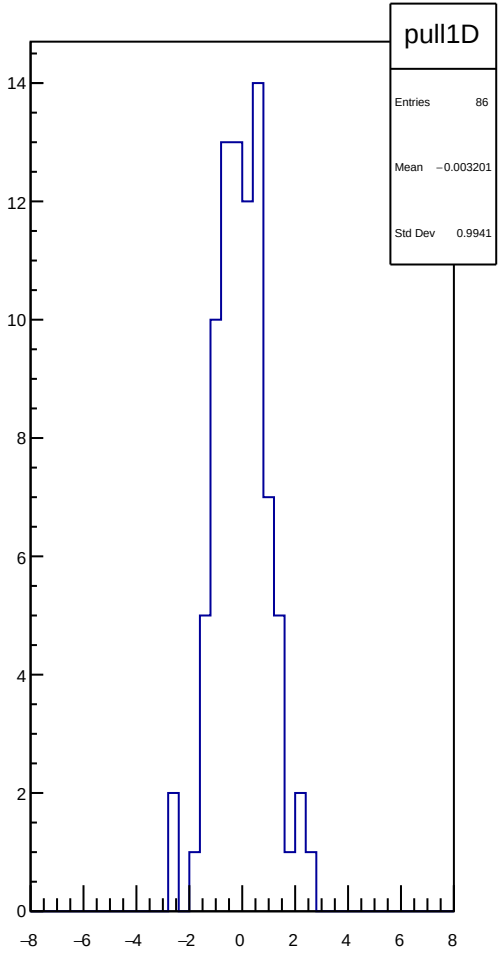

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.388e+05 / 85
p0 5.689e−12 ± 5.939e−15
90
80
70
60
50
40
30
20
10

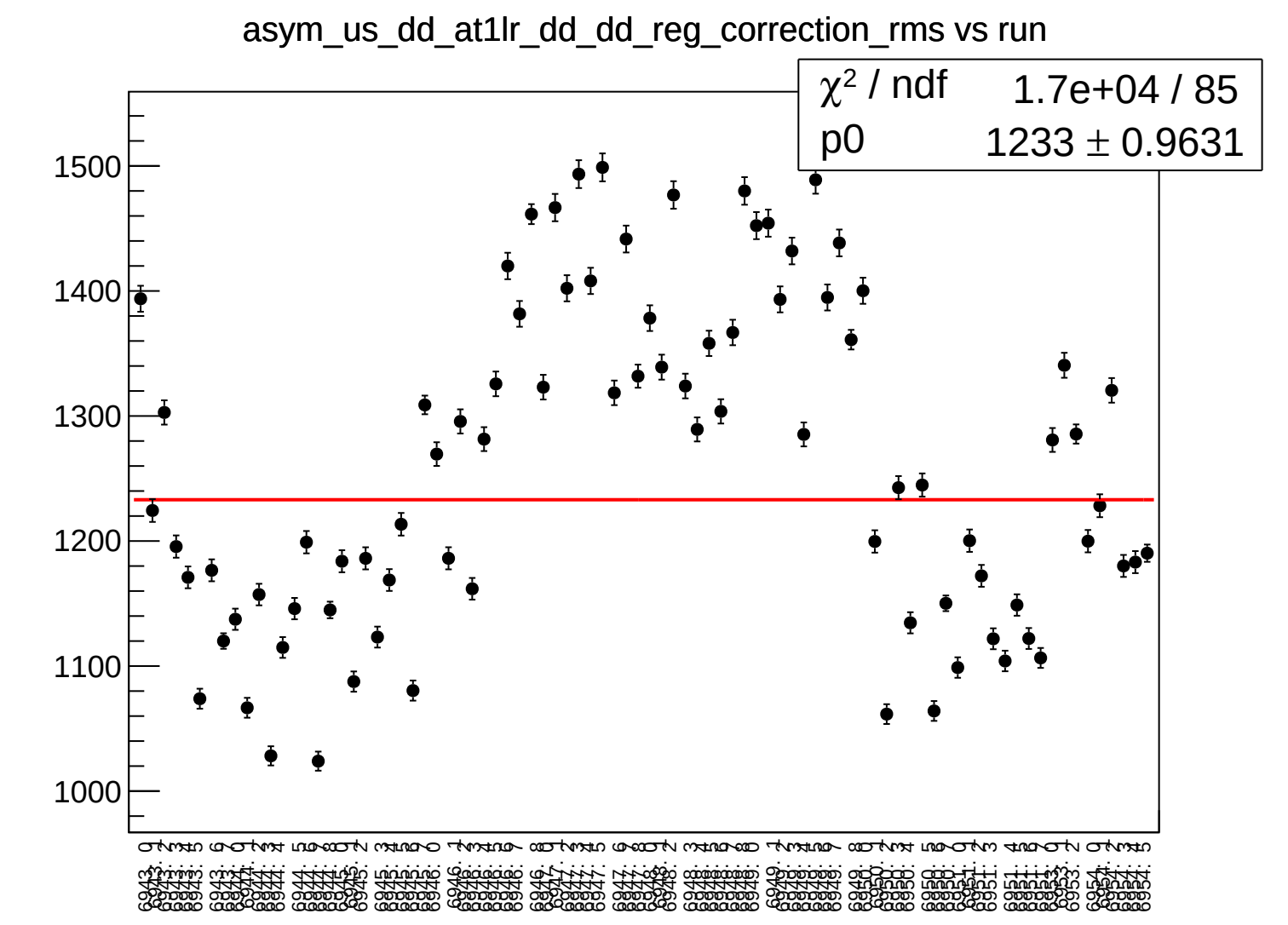

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 82.36 / 85
p0 1336 ± 1898
pull
Entries 86
Mean −192.5
Std Dev 0

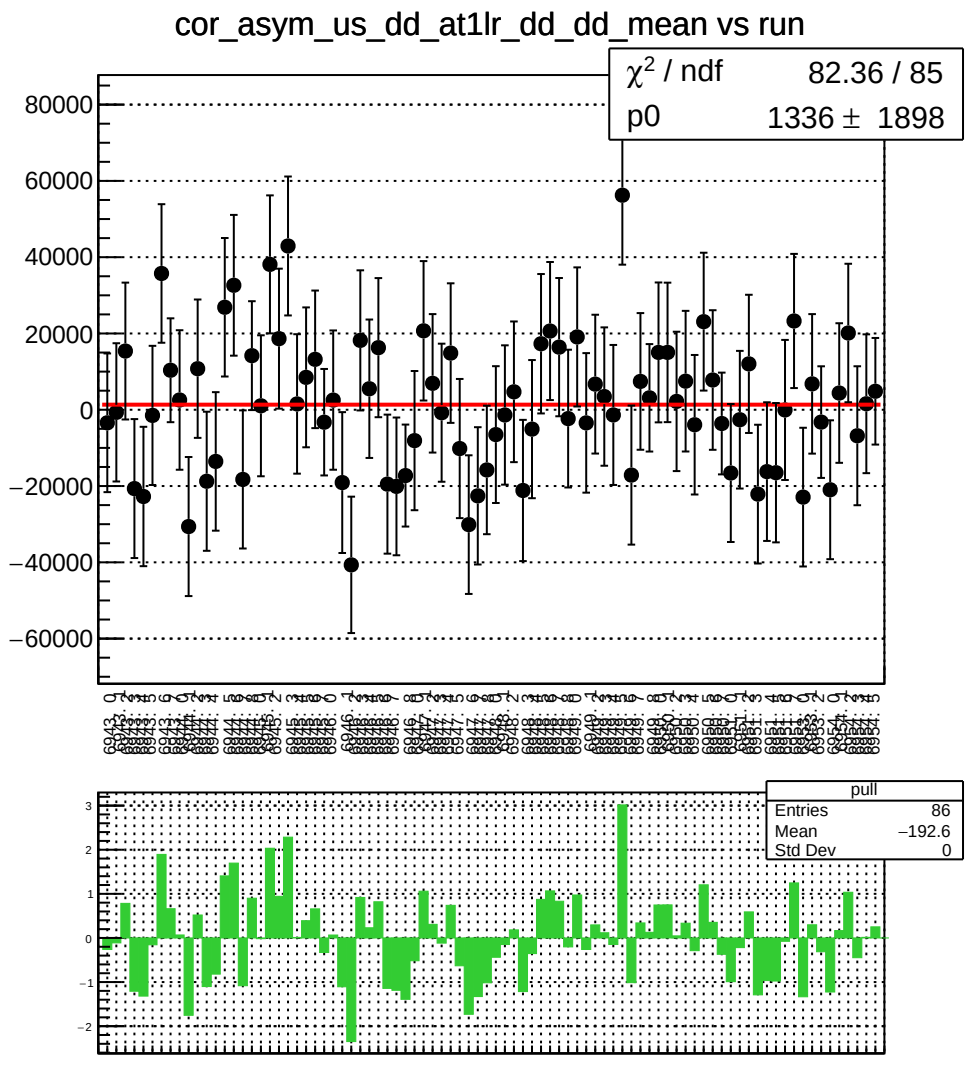

pull1D
Entries 86
Mean 0.003656
Std Dev 0.9786

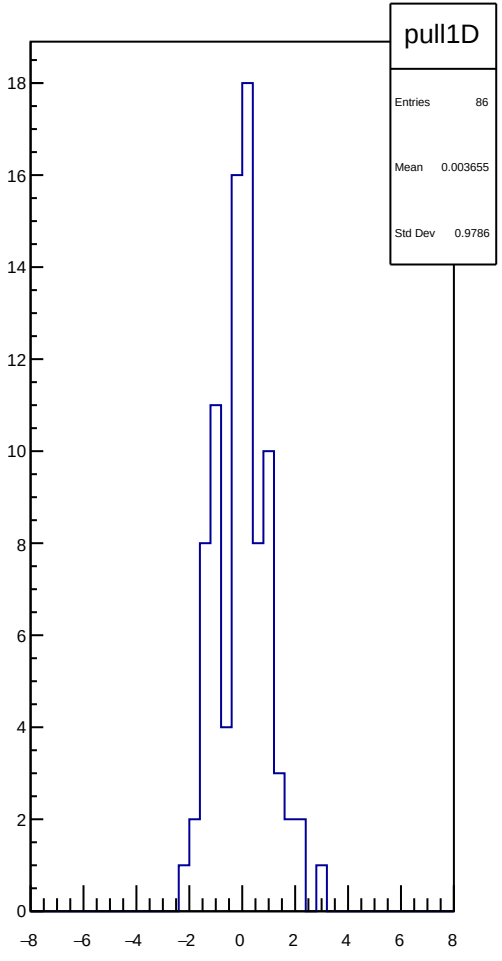

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 78.41 / 85
p0 1728 ± 1.342
1760
1740
1720
1700
1680

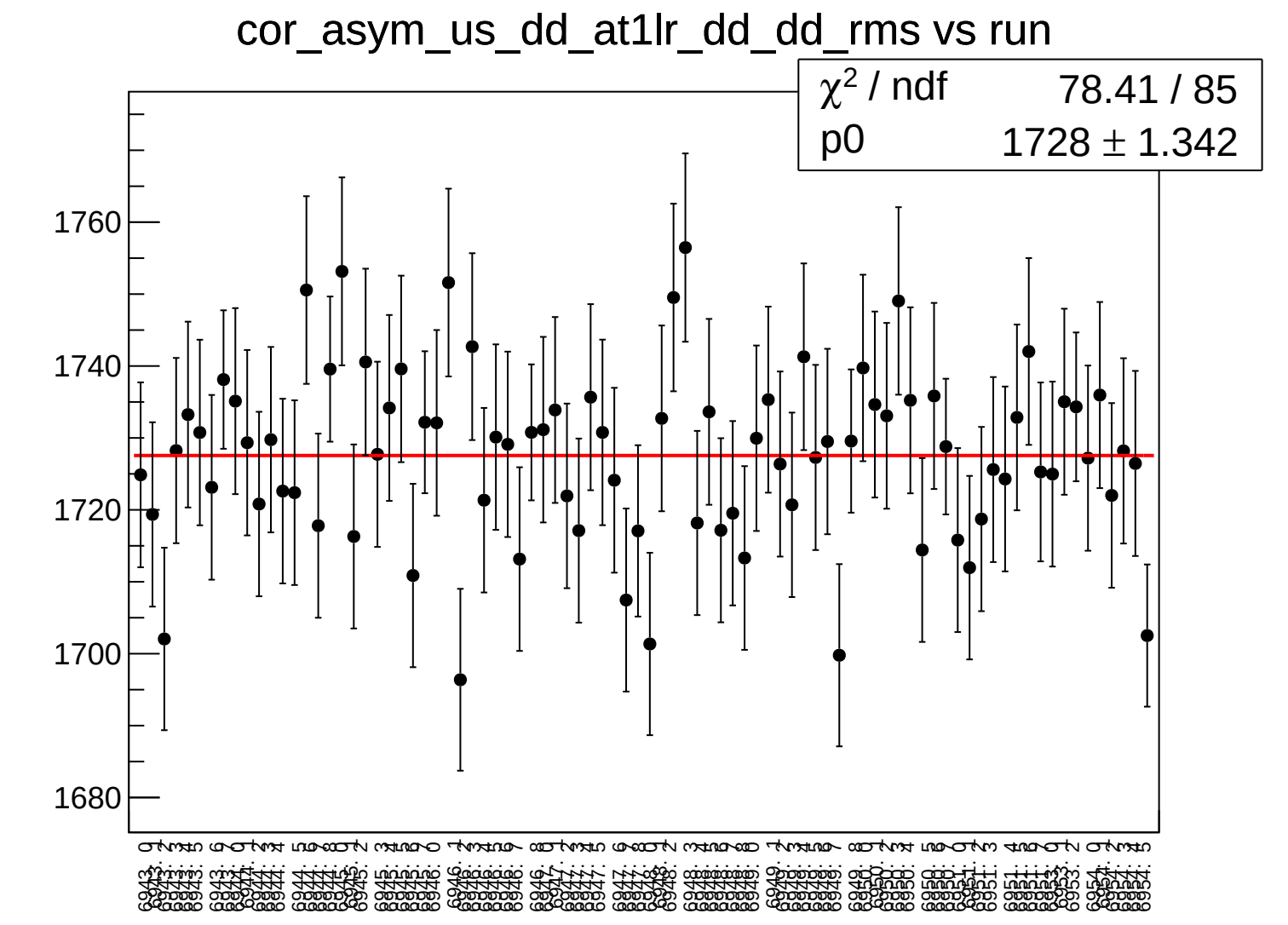

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 84.98 / 85
p0 −5038 ± 1362
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −12.32
Std Dev 0
2
1
0
−1
−2

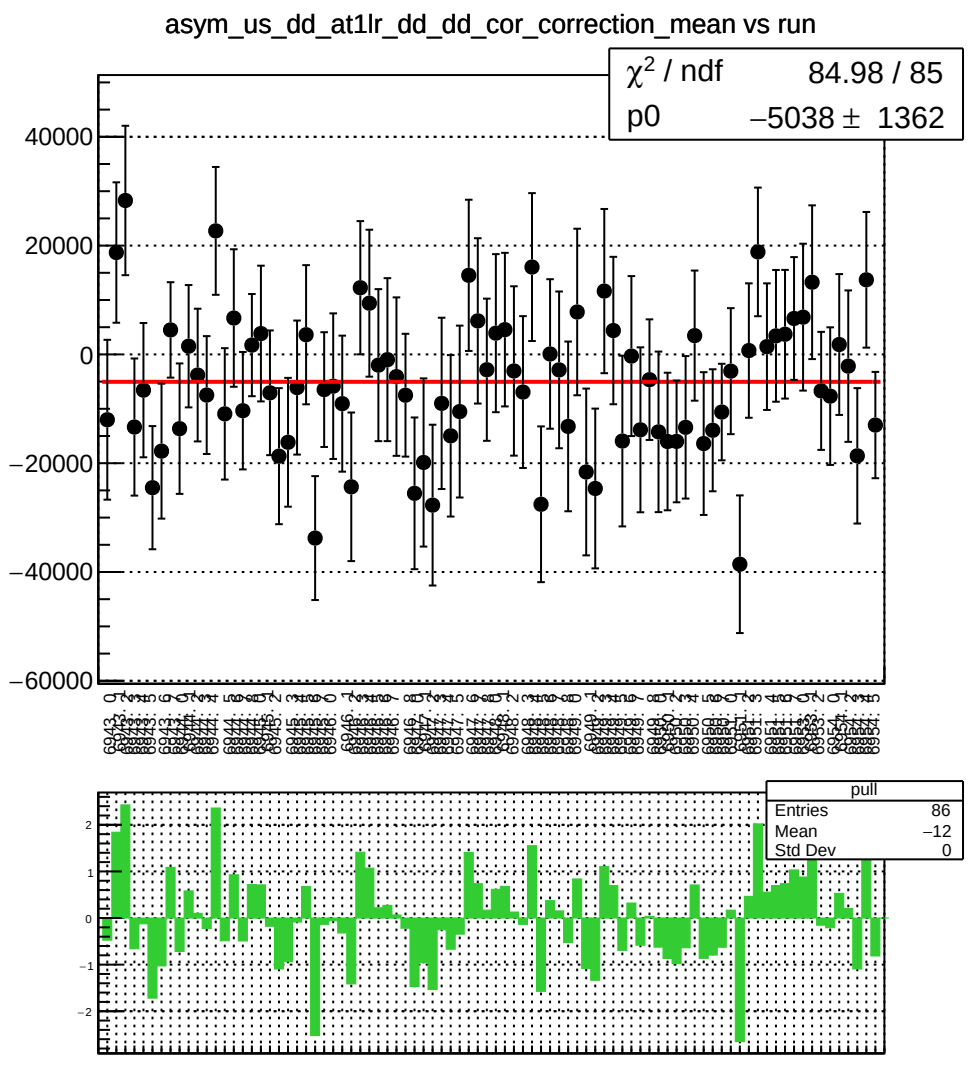

pull1D
Entries 86
Mean −0.003201
Std Dev 0.9941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

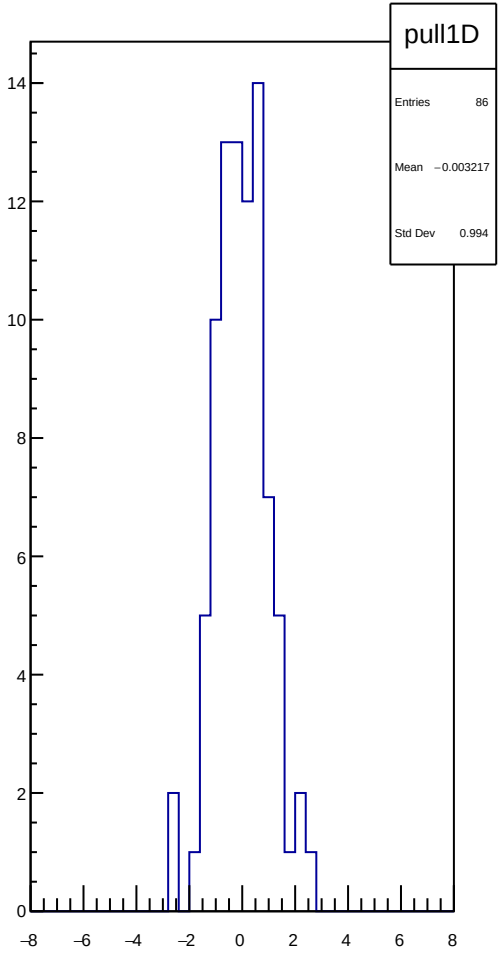

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.7e+04 / 85
p0 1233 ± 0.9631
1500
1400
1300
1200
1100
1000

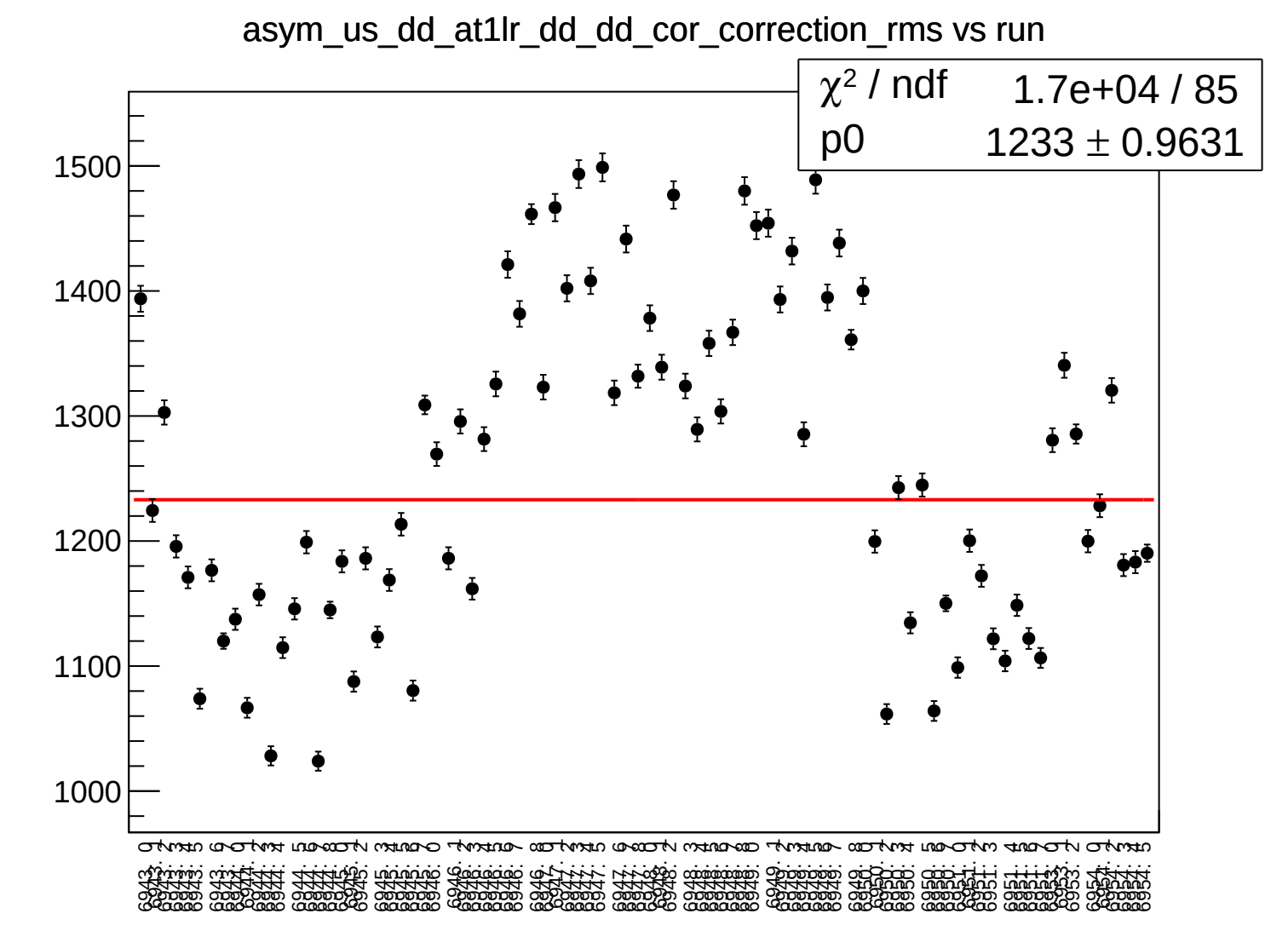

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 82.36 / 85
p0 1336 ± 1898
pull
Entries 86
Mean −192.6
Std Dev 0

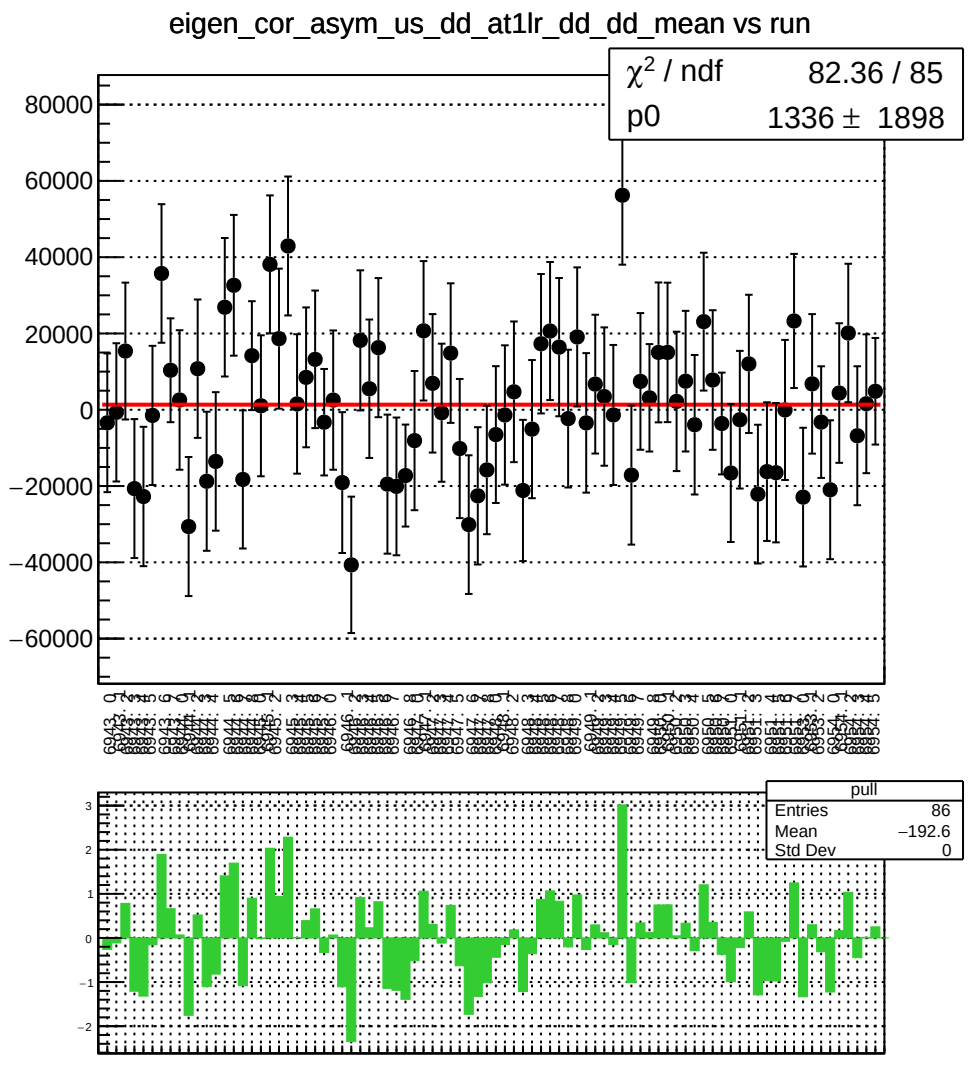

pull1D
Entries 86
Mean 0.003655
Std Dev 0.9786

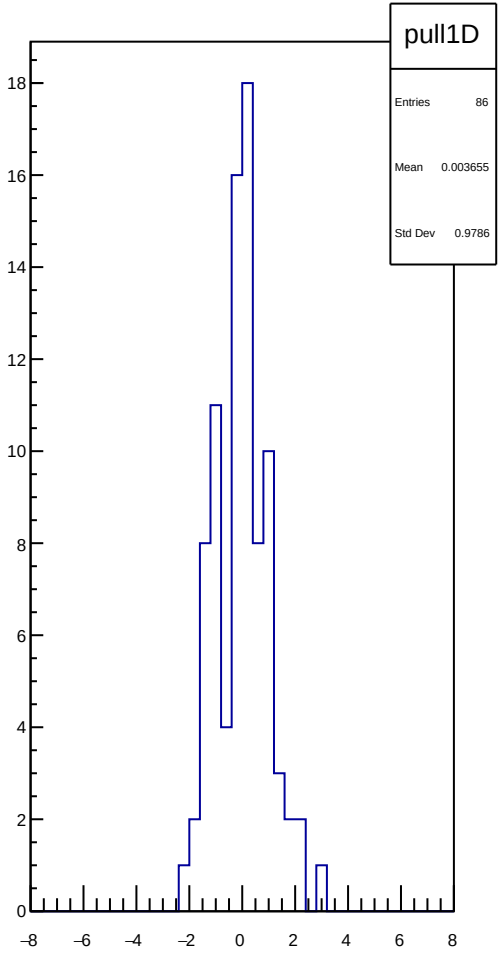

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 78.41 / 85
p0 1728 ± 1.342
1760
1740
1720
1700
1680

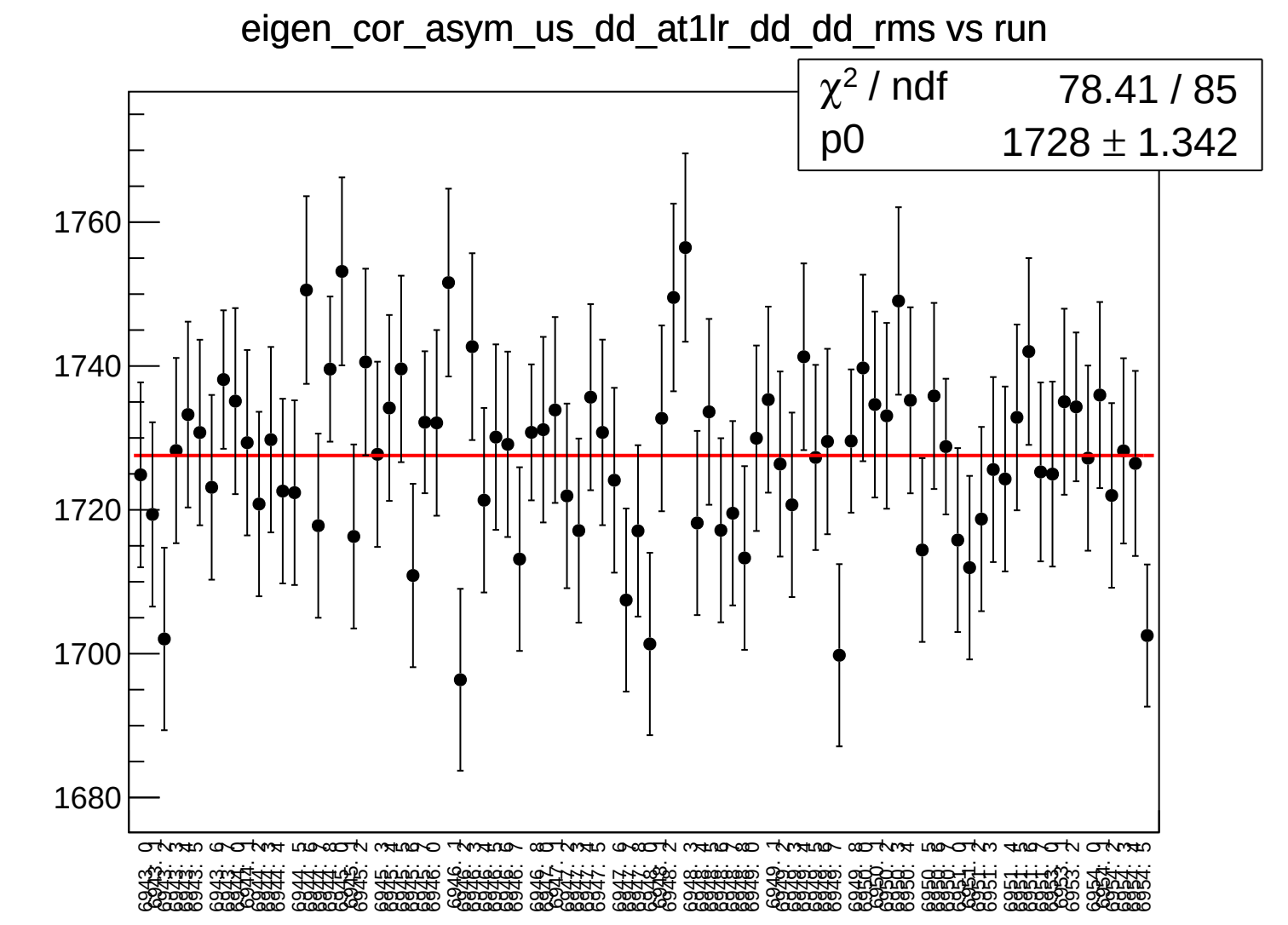

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 84.98 / 85
p0 −5038 ± 1362
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −12
Std Dev 0
2
1
0
−1
−2

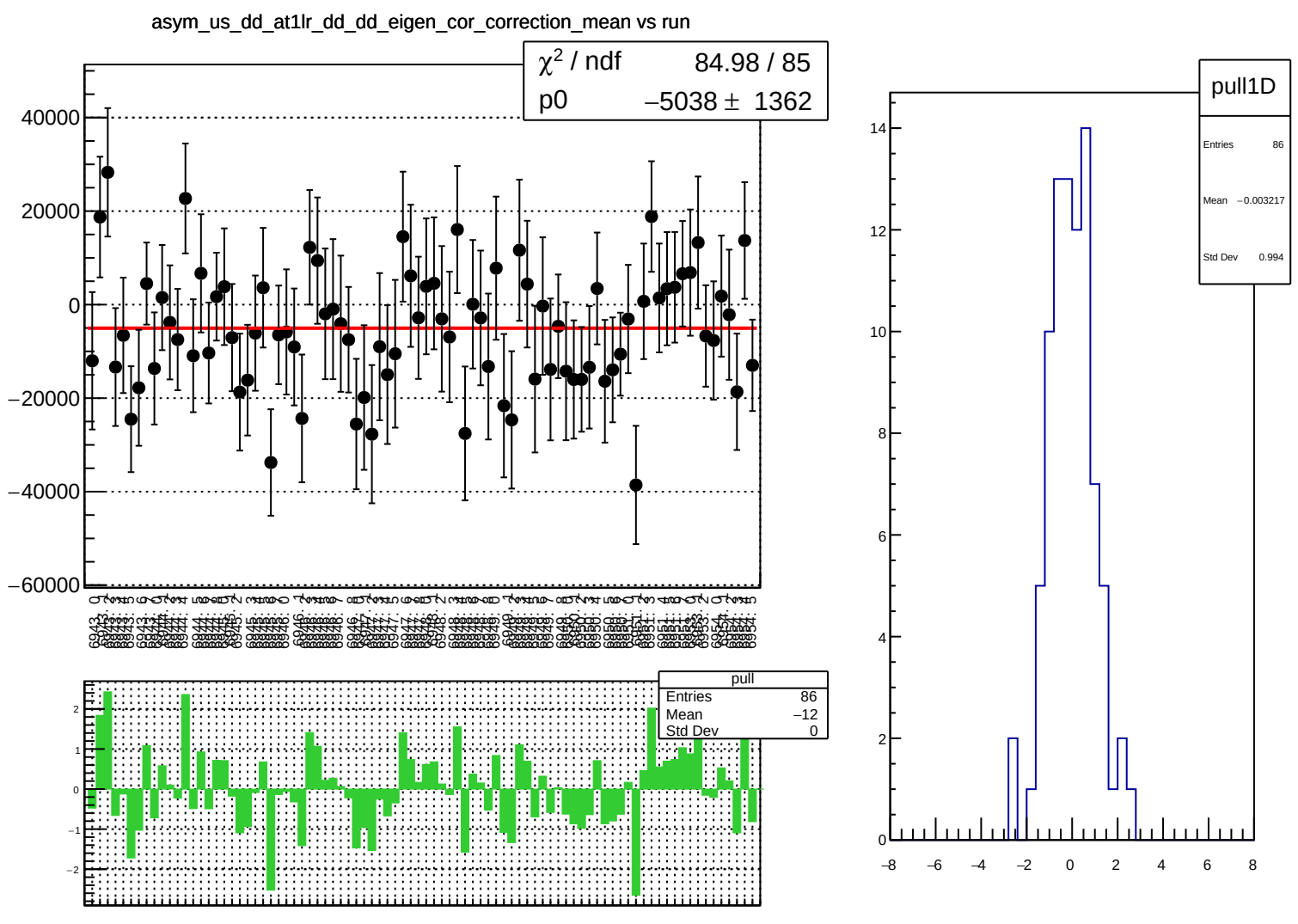

pull1D
Entries 86
Mean −0.003217
Std Dev 0.994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

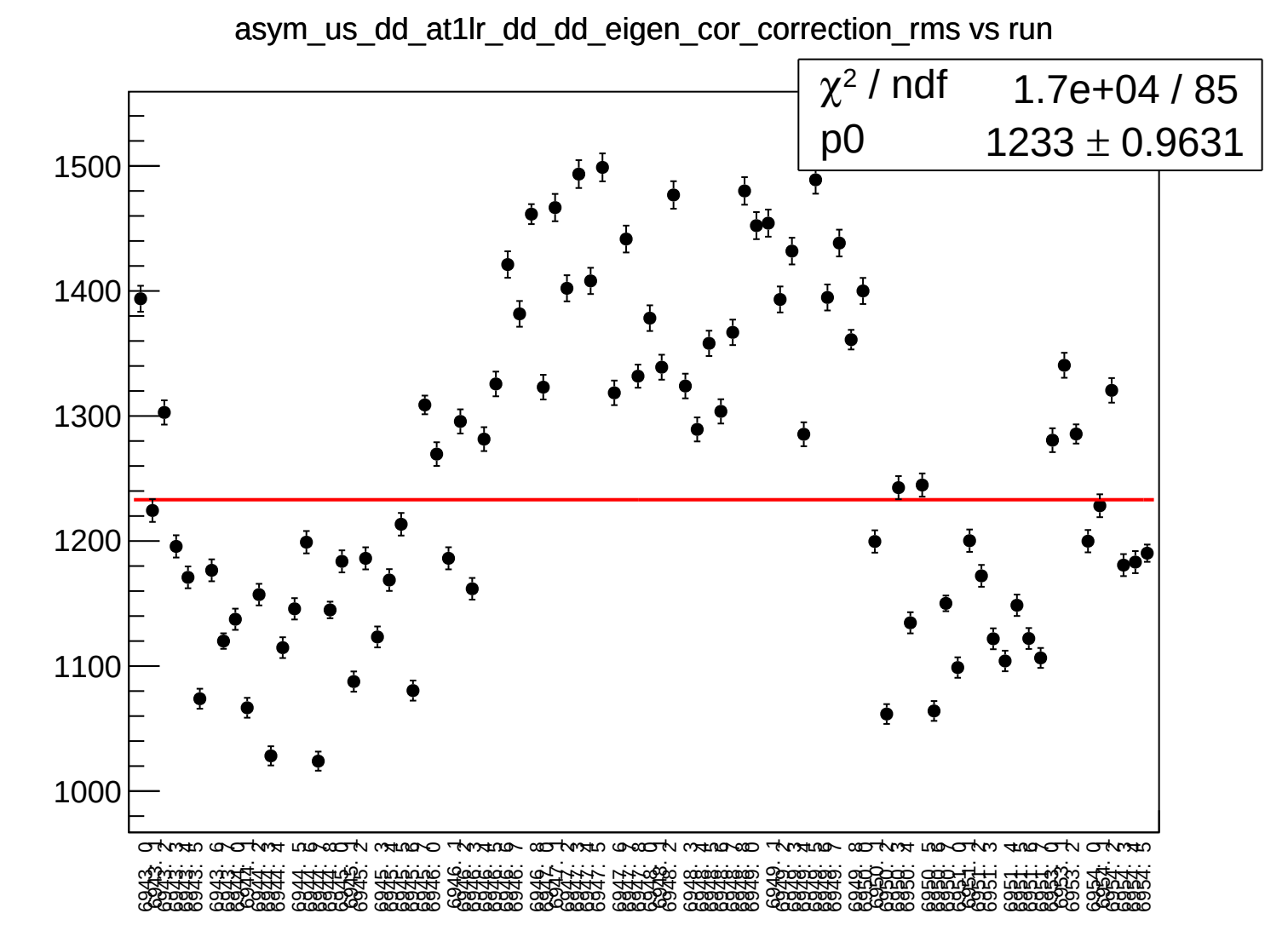

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.7e+04 / 85
p0 1233 ± 0.9631
1500
1400
1300
1200
1100
1000

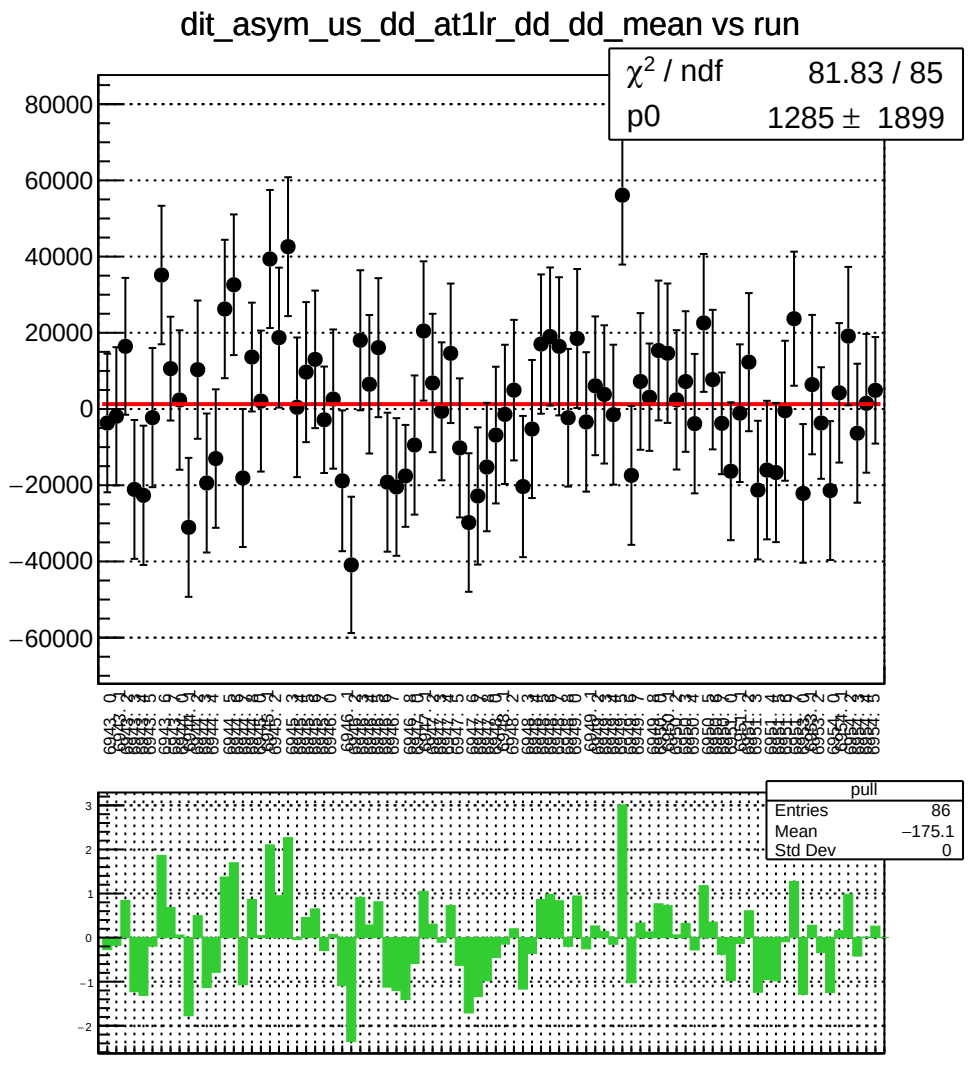

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 82.36 / 85
p0 1336 ± 1898
pull
Entries 86
Mean −192.6
Std Dev 0

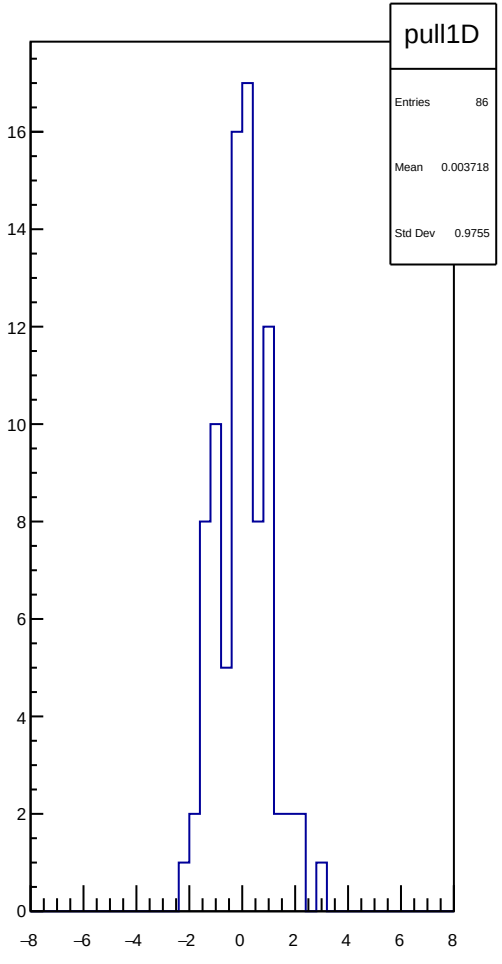

pull1D
Entries 86
Mean 0.003655
Std Dev 0.9786

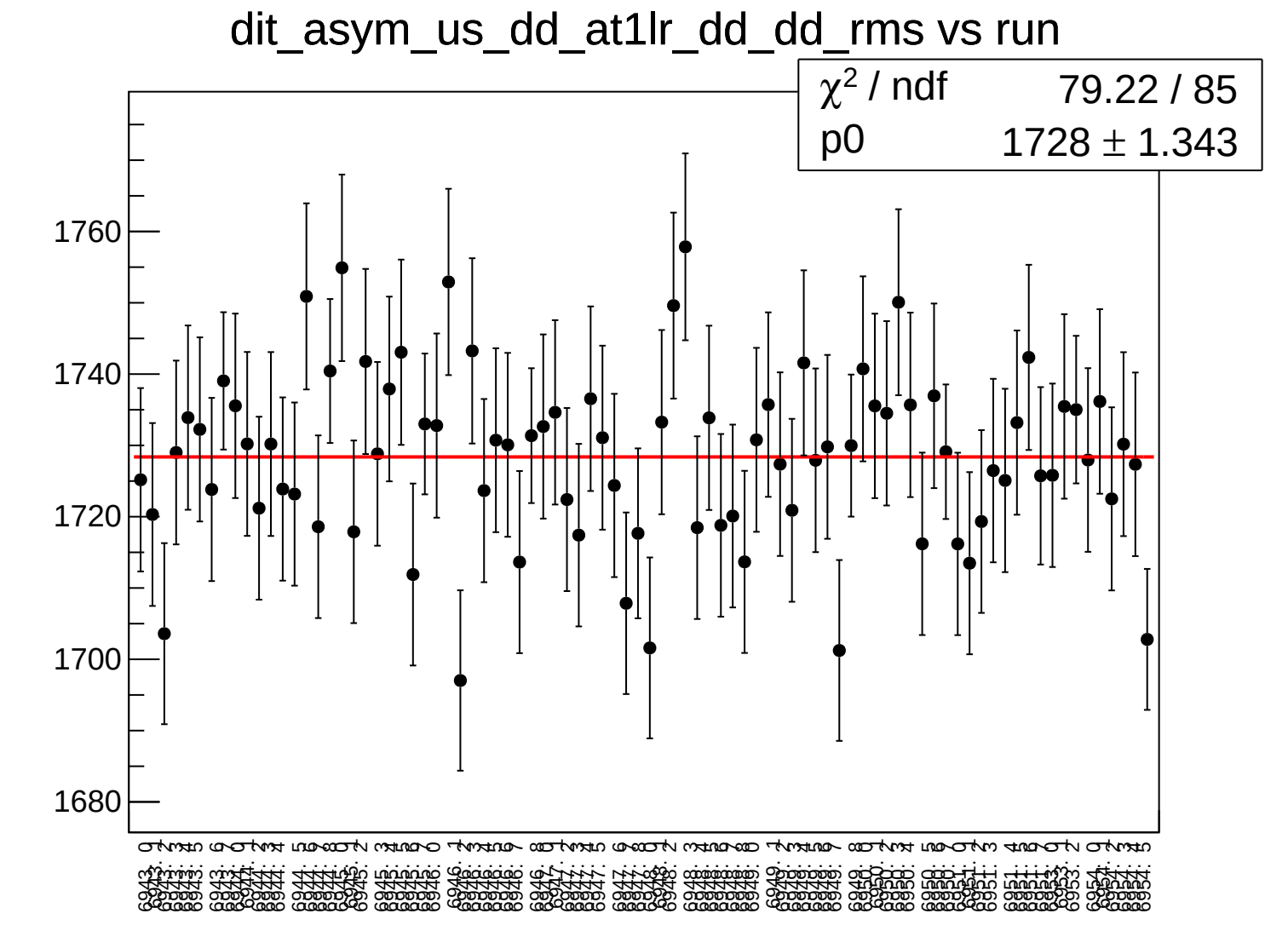

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 78.41 / 85
p0 1728 ± 1.342
1760
1740
1720
1700
1680

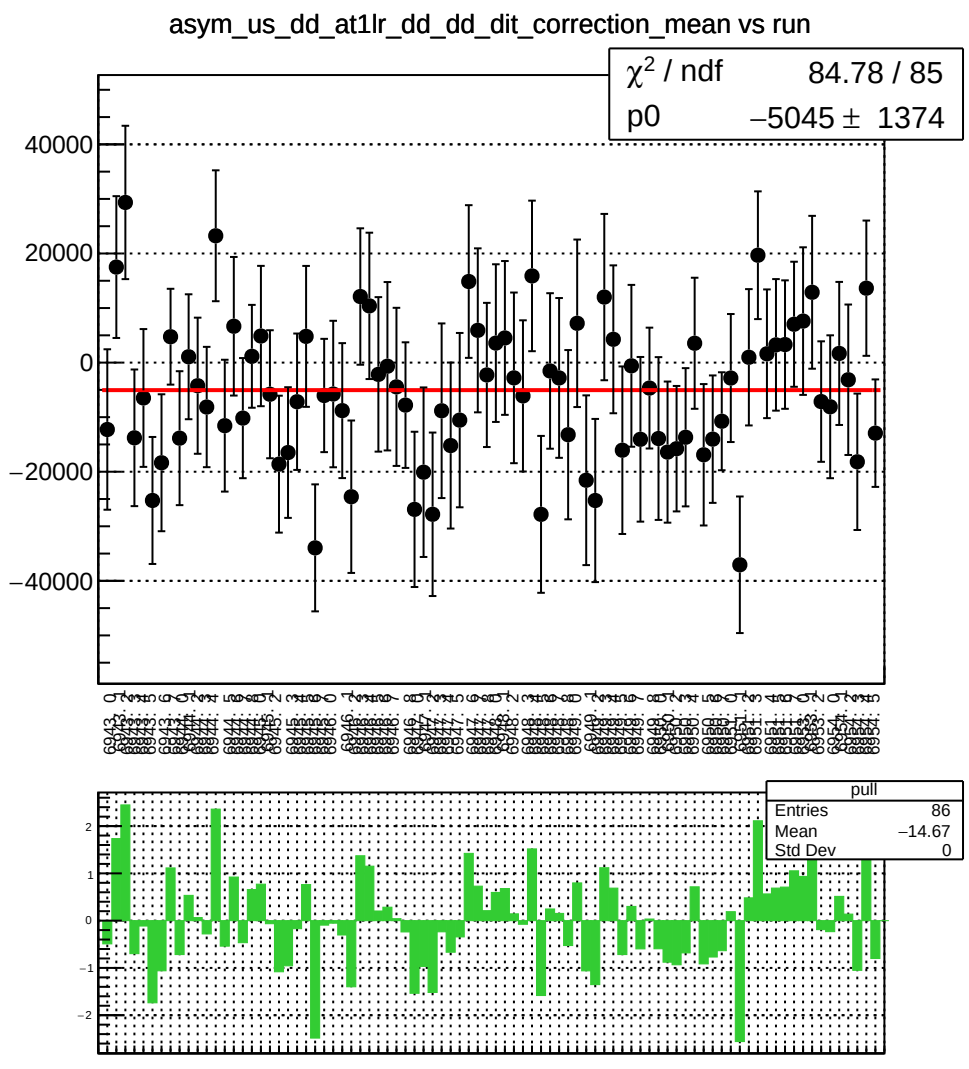

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.98 / 85
p0 −5038 ± 1362
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −12
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.003217
Std Dev 0.994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

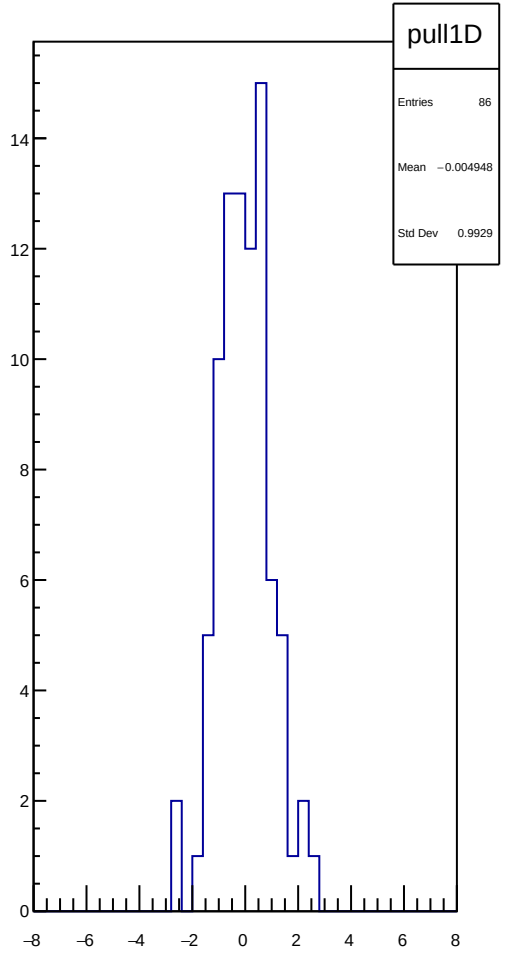

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.7e+04 / 85
p0 1233 ± 0.9631
1500
1400
1300
1200
1100
1000

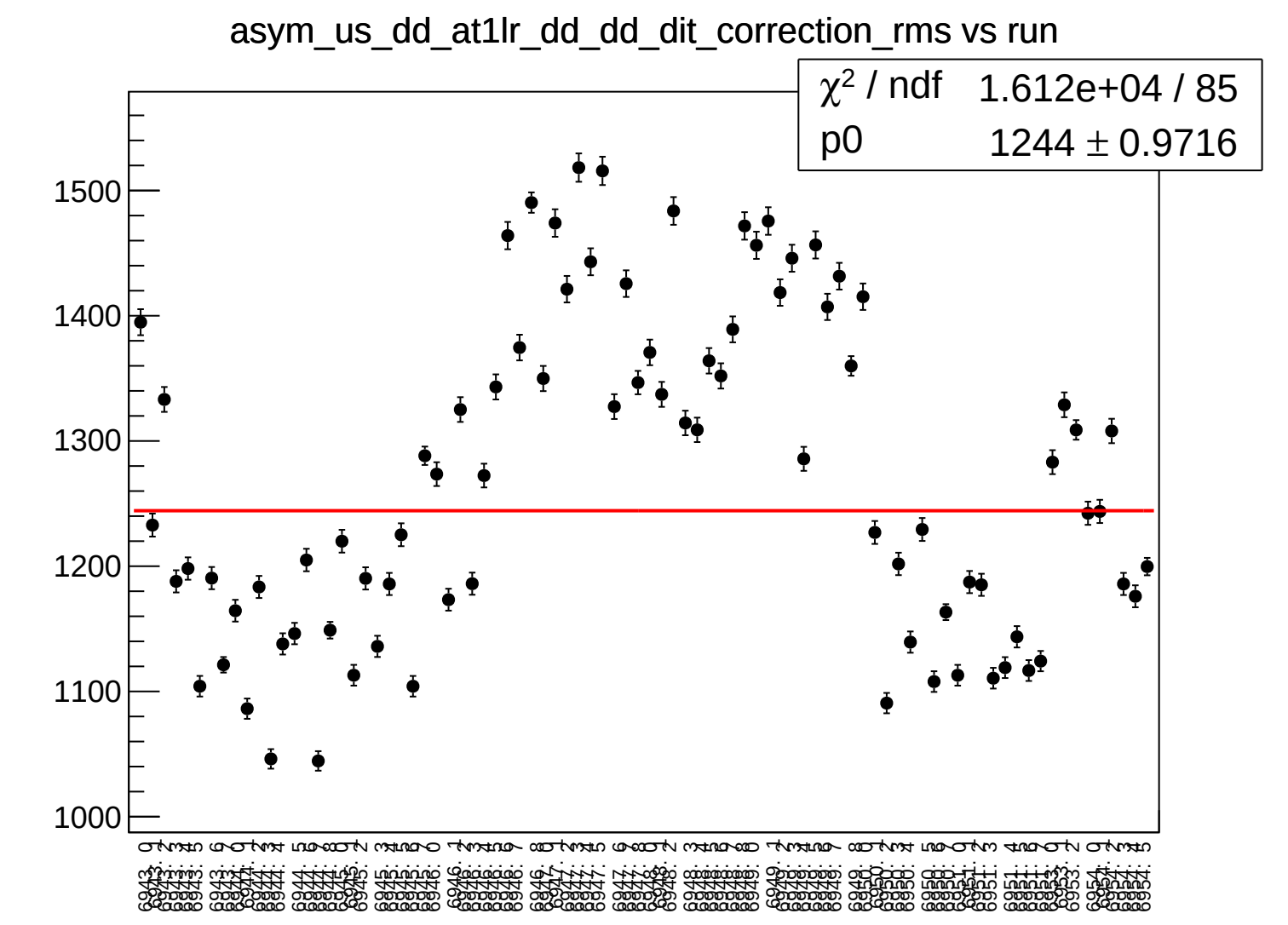

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 81.83 / 85
p0 1285 ± 1899
pull
Entries 86
Mean −175.1
Std Dev 0

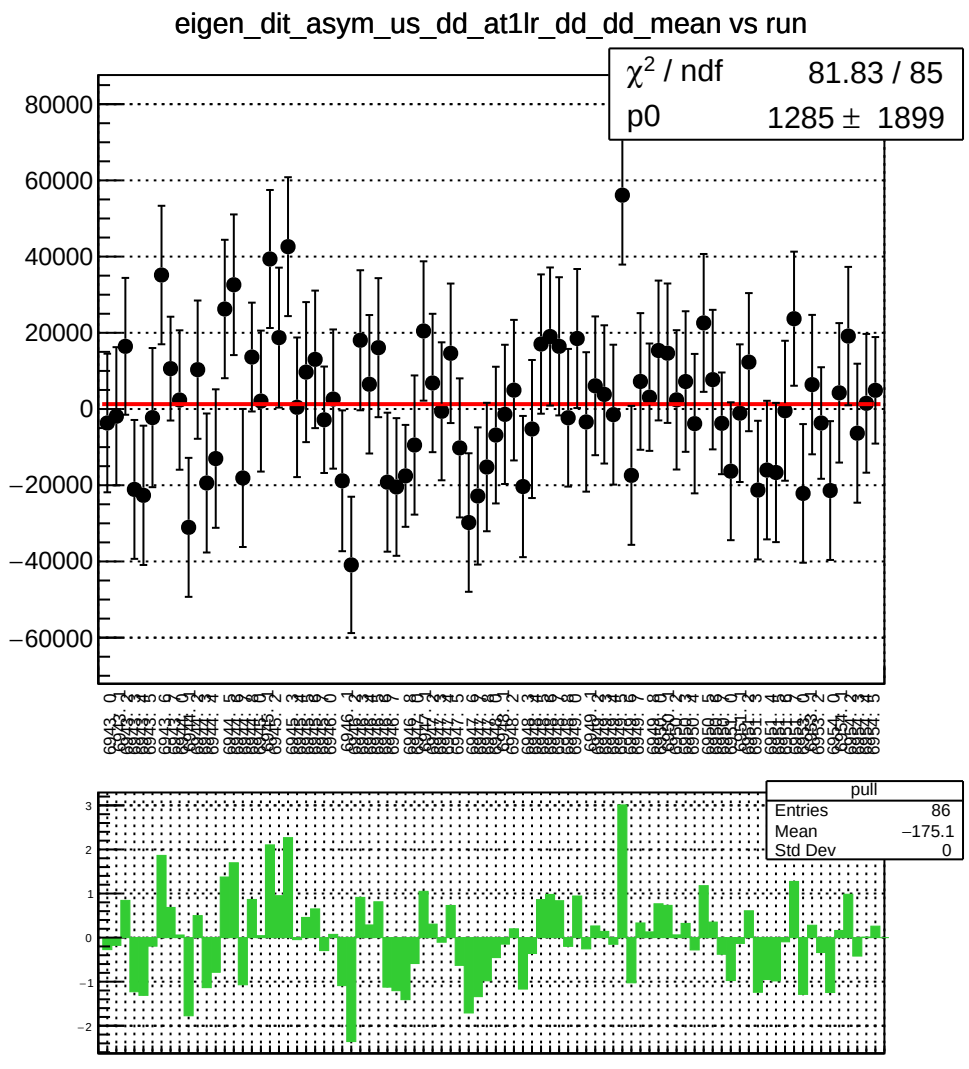

pull1D
Entries 86
Mean 0.003718
Std Dev 0.9755

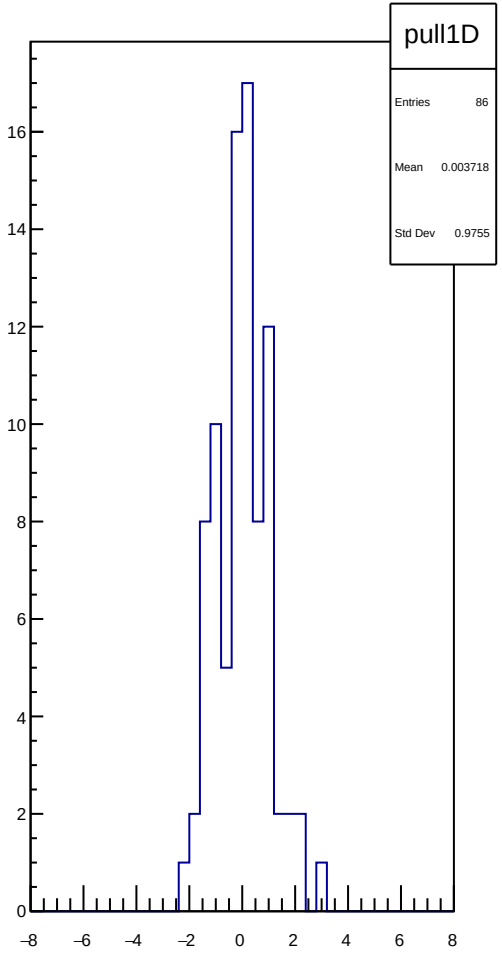

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 79.22 / 85
p0 1728 ± 1.343
1760
1740
1720
1700
1680

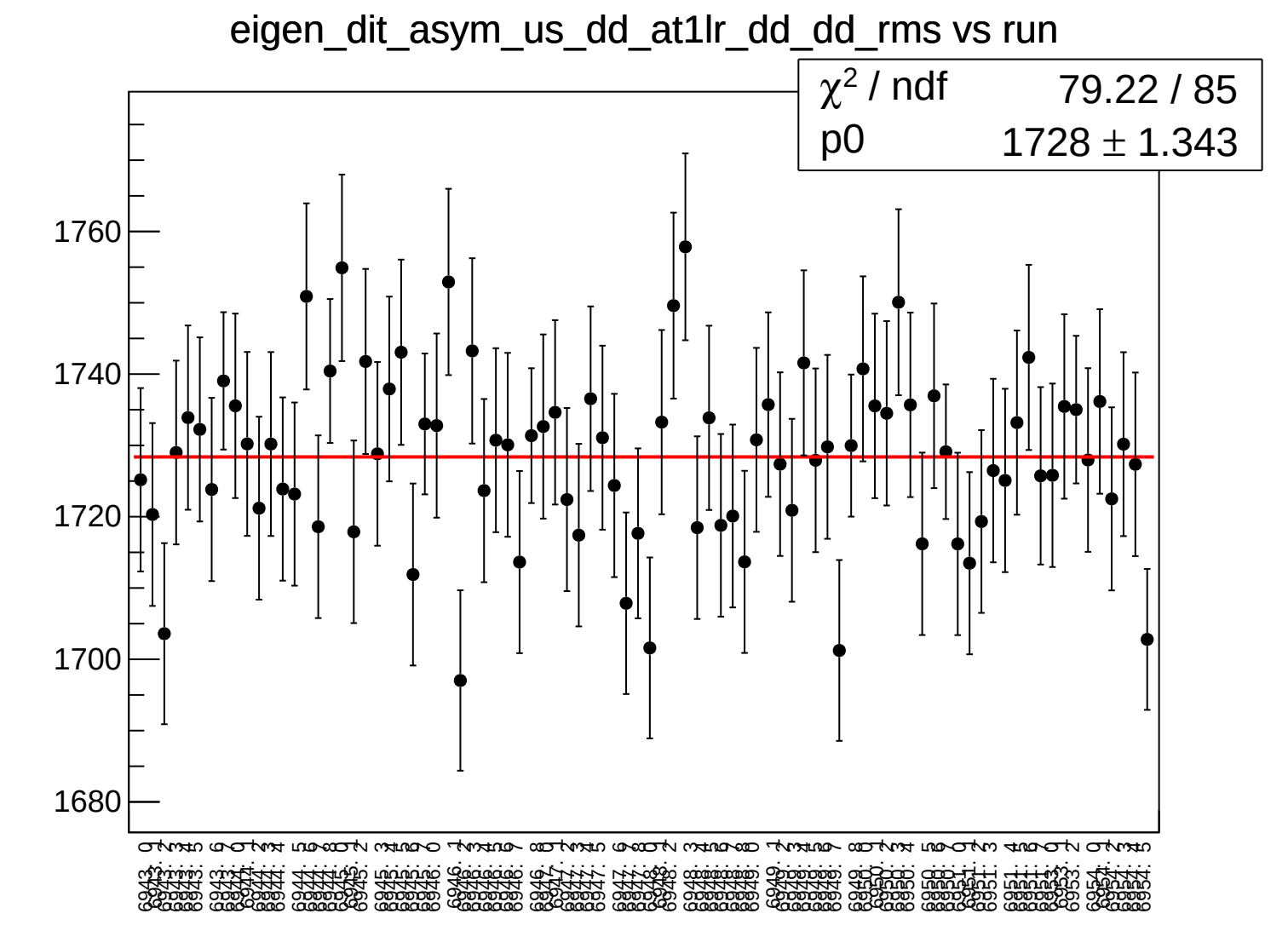

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 84.78 / 85
p0 −5045 ± 1374
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −14.67
Std Dev 0
2
1
0
−1
−2

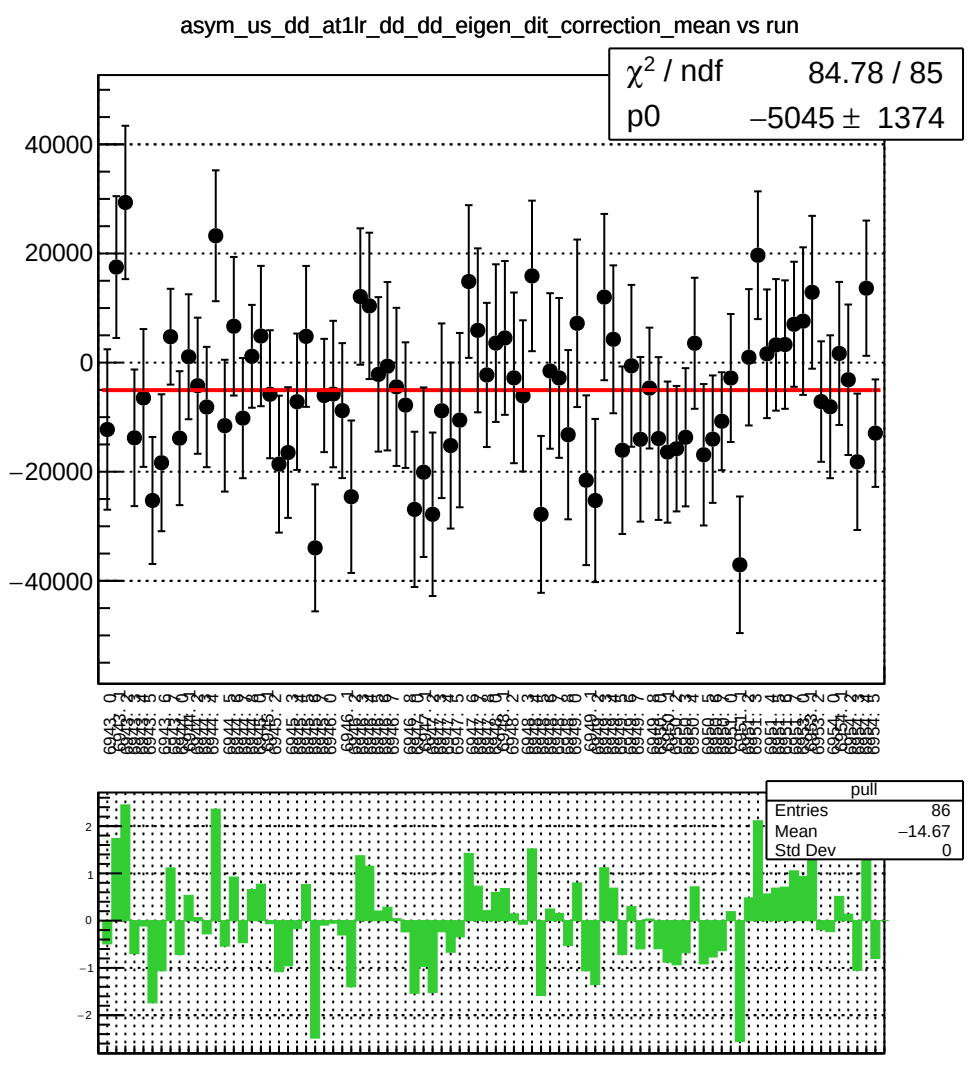

pull1D
Entries 86
Mean −0.004948
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

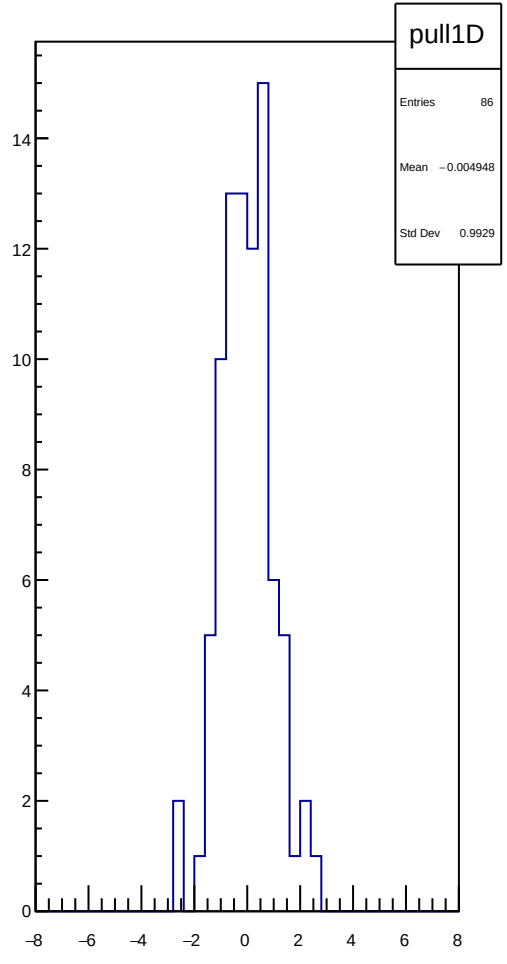

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.612e+04 / 85
p0 1244 ± 0.9716
1500
1400
1300
1200
1100
1000

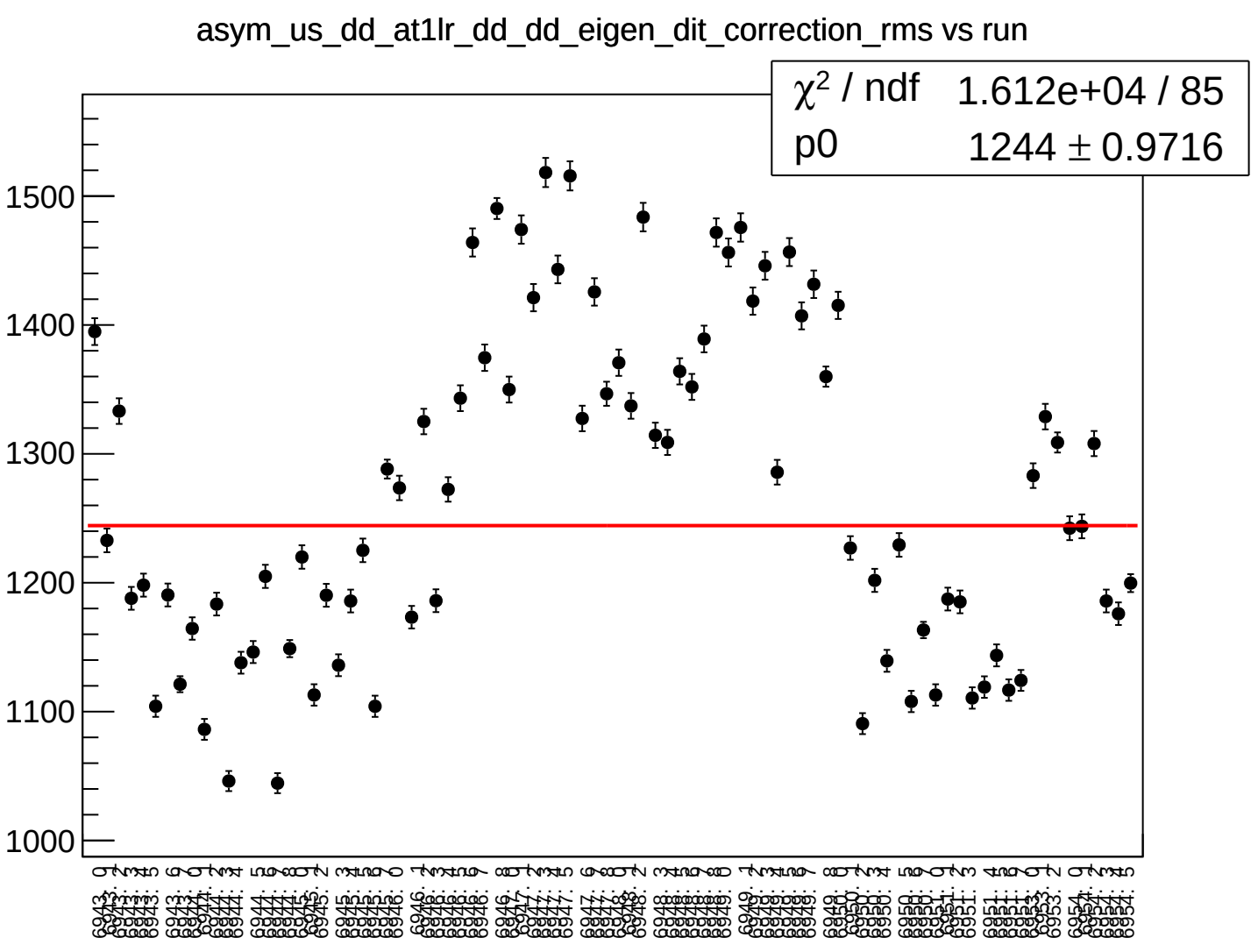

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 81.83 / 85
p0 1285 ± 1899
pull
Entries 86
Mean −175.1
Std Dev 0

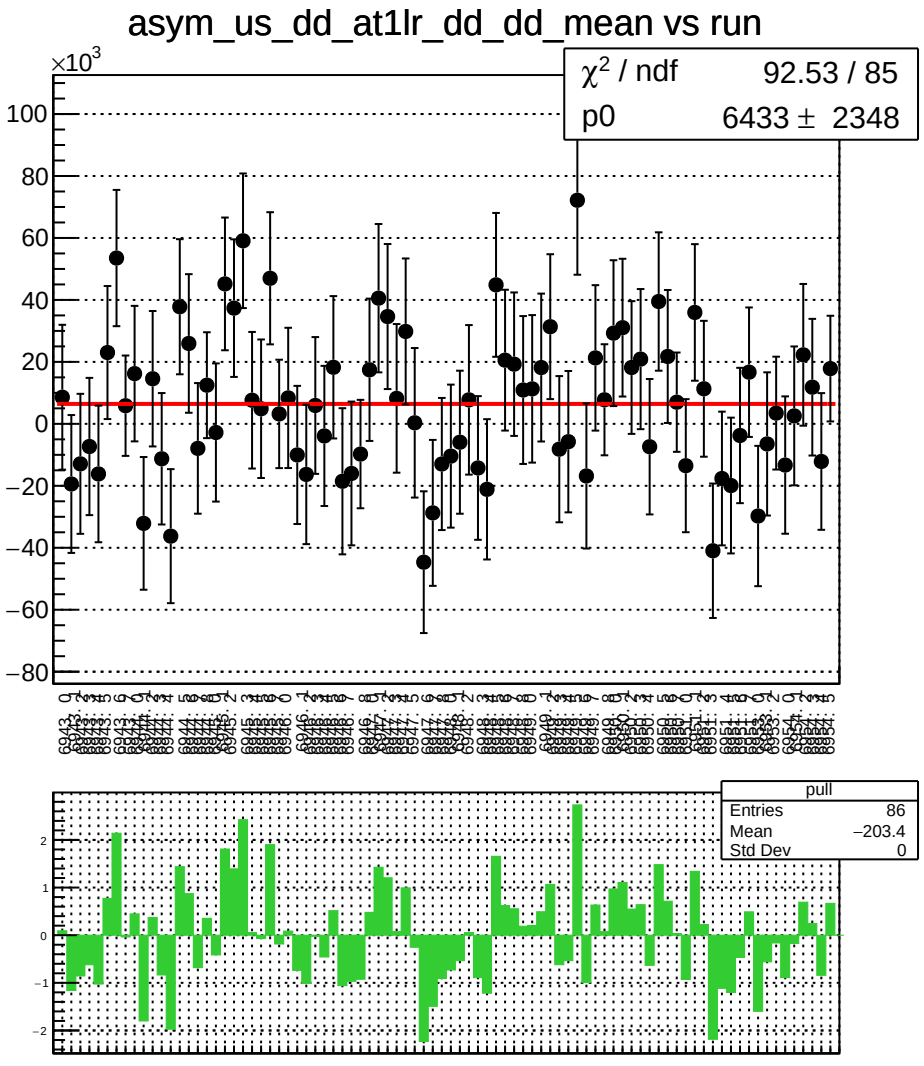

pull1D
Entries 86
Mean 0.003718
Std Dev 0.9755

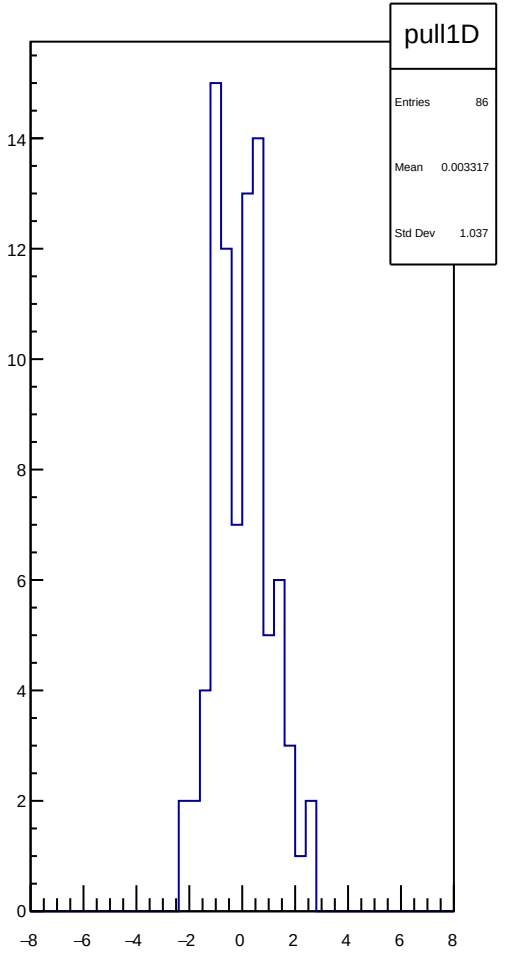

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 79.22 / 85
p0 1728 ± 1.343
1760
1740
1720
1700
1680

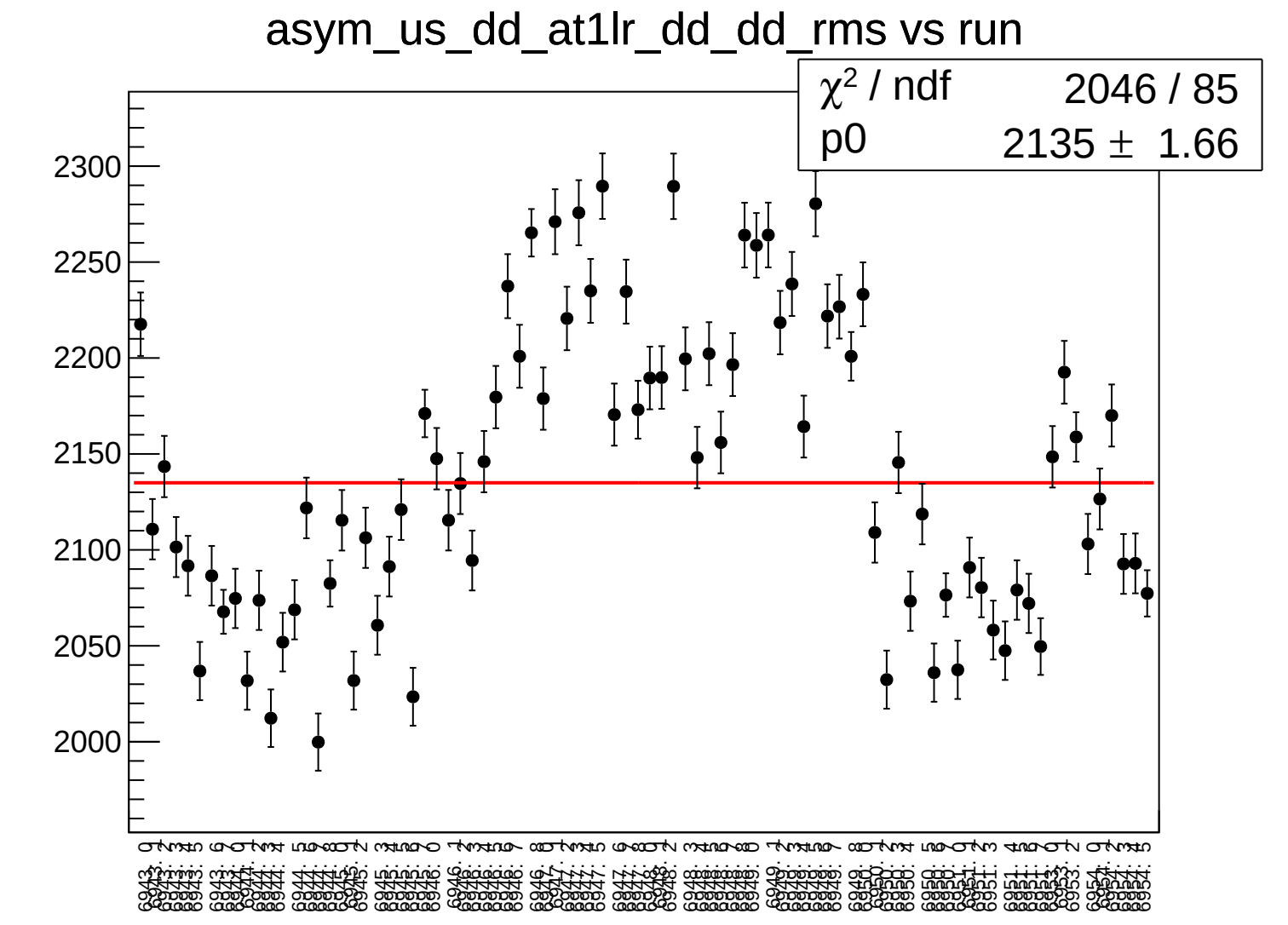

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.78 / 85
p0 −5045 ± 1374
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −14.67
Std Dev 0
2
1
0
−1
−2

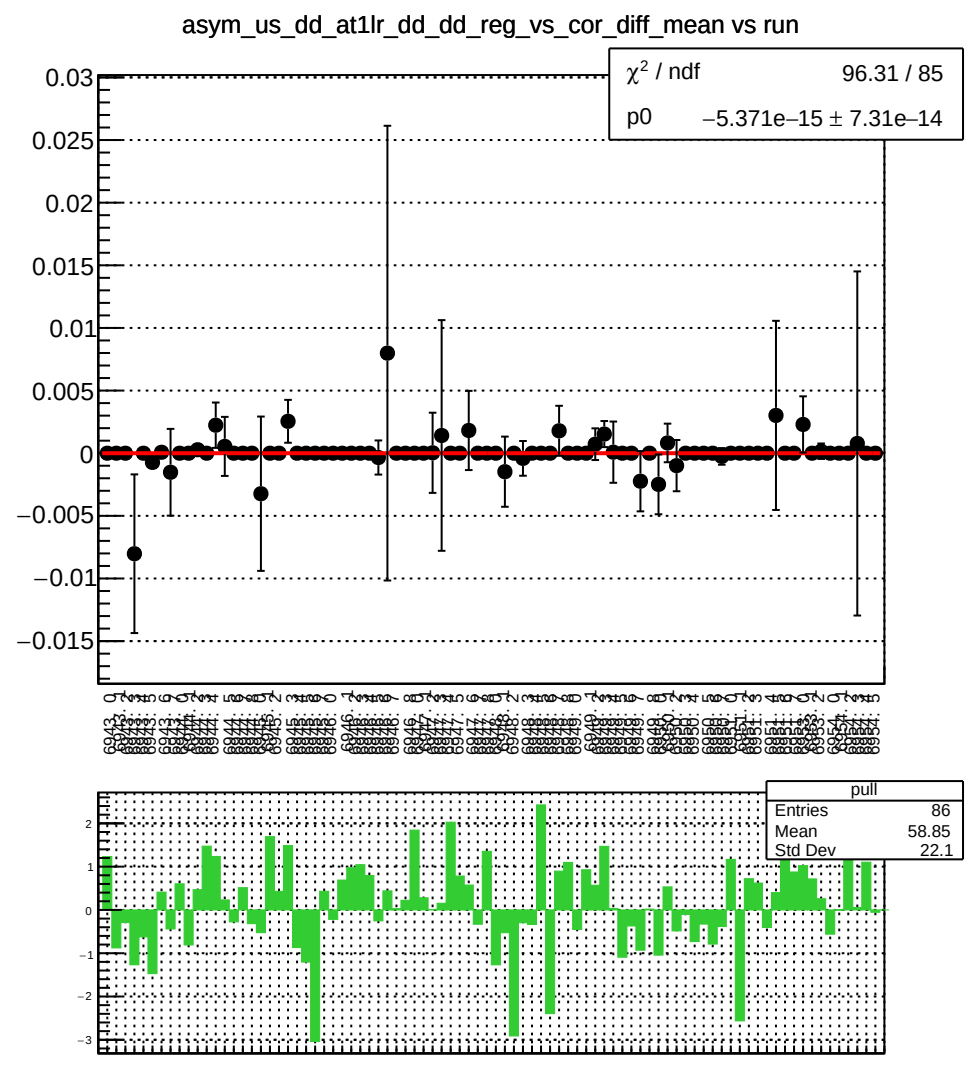

pull1D
Entries 86
Mean −0.004948
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

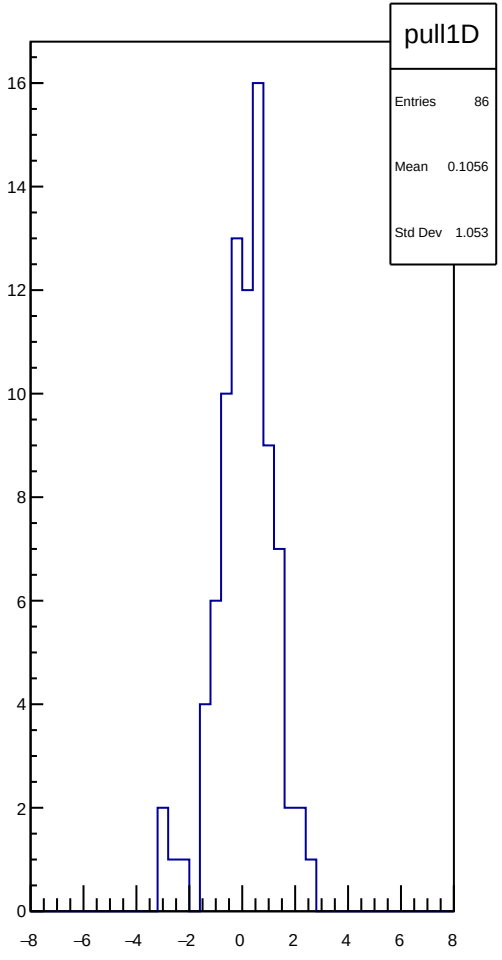

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.612e+04 / 85
p0 1244 ± 0.9716
1500
1400
1300
1200
1100
1000

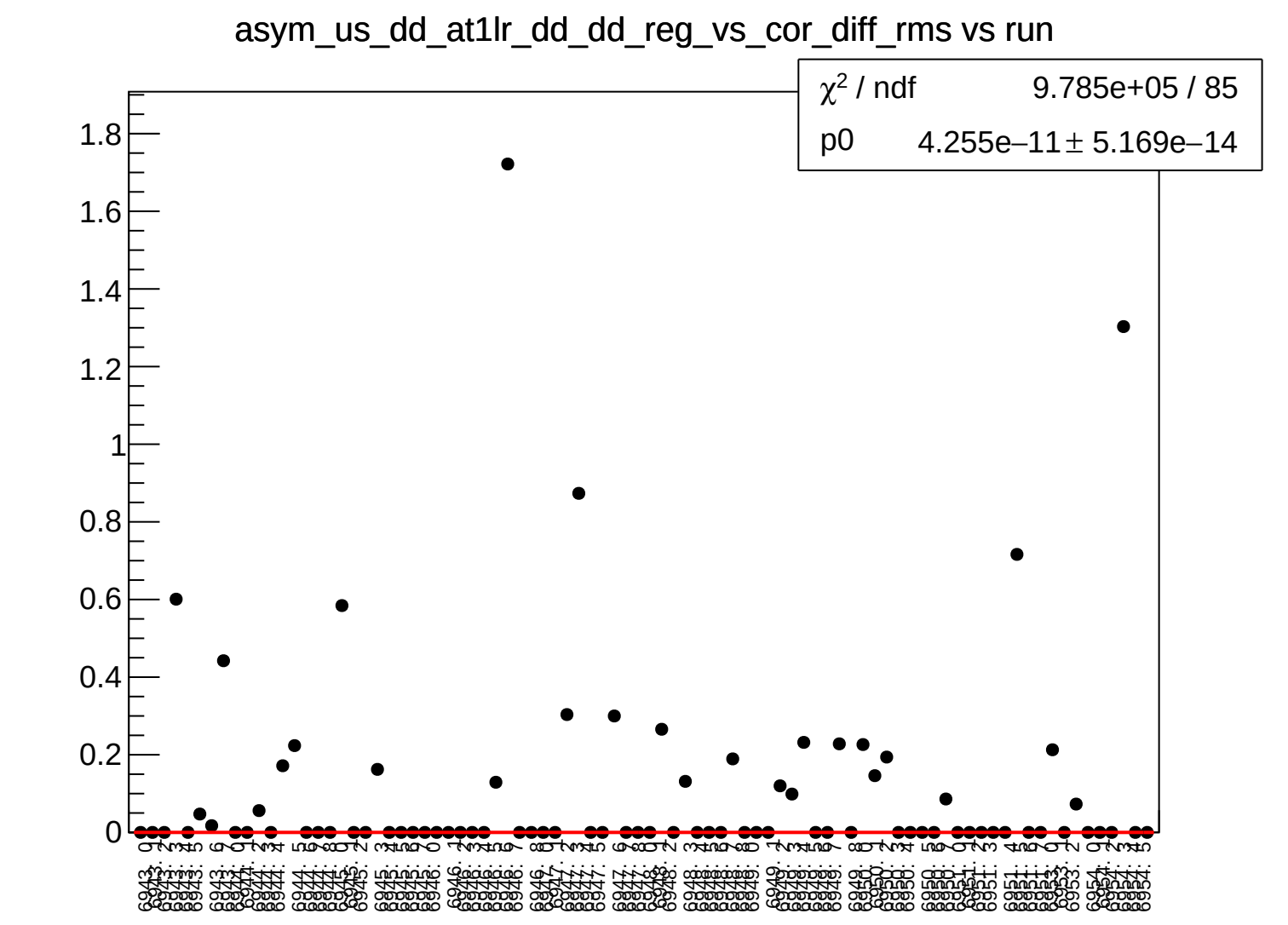

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 92.53 / 85
p0 6433 ± 2348
×10³
pull
Entries 86
Mean −203.4
Std Dev 0

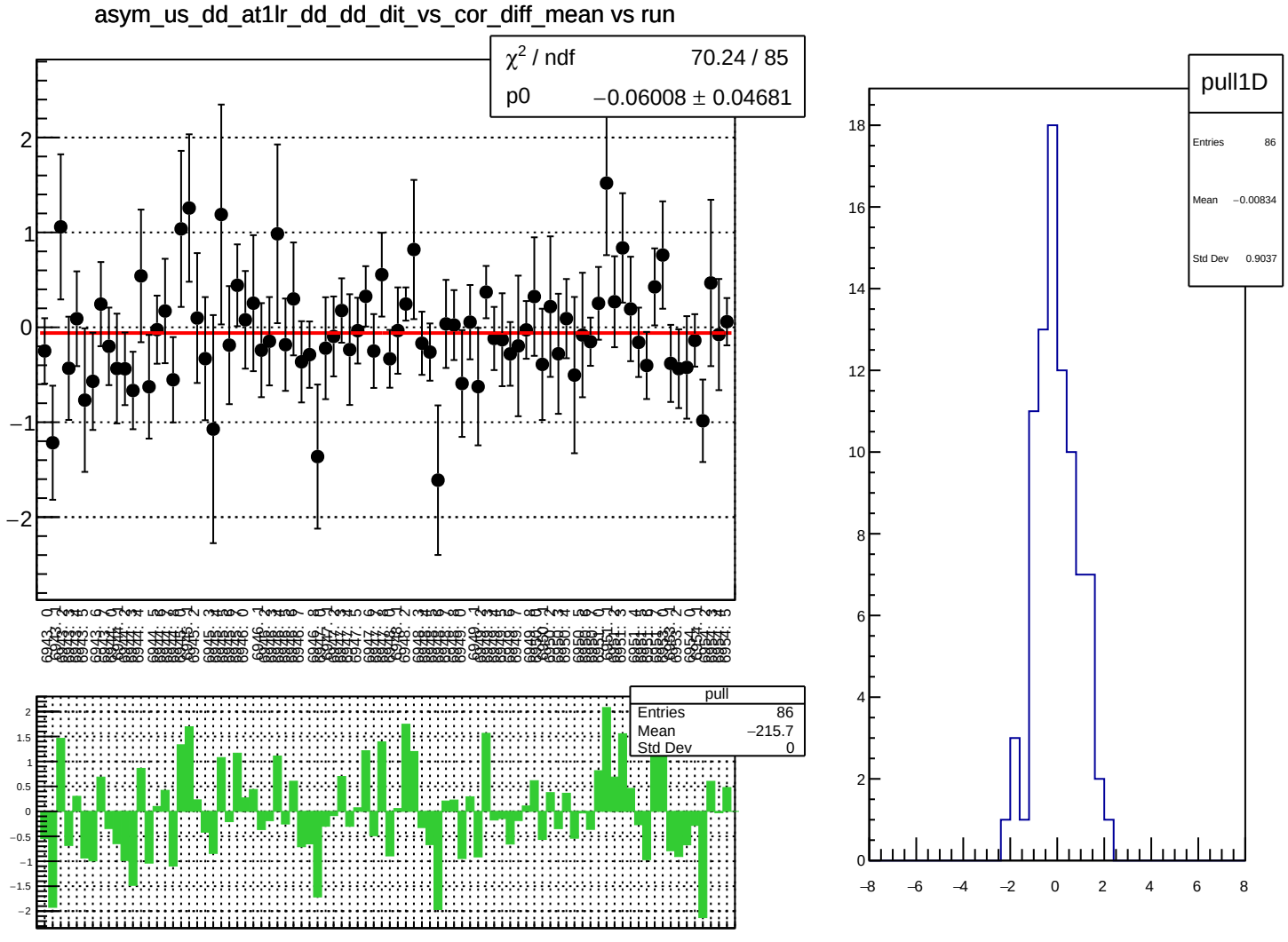

pull1D
Entries 86
Mean 0.003317
Std Dev 1.037

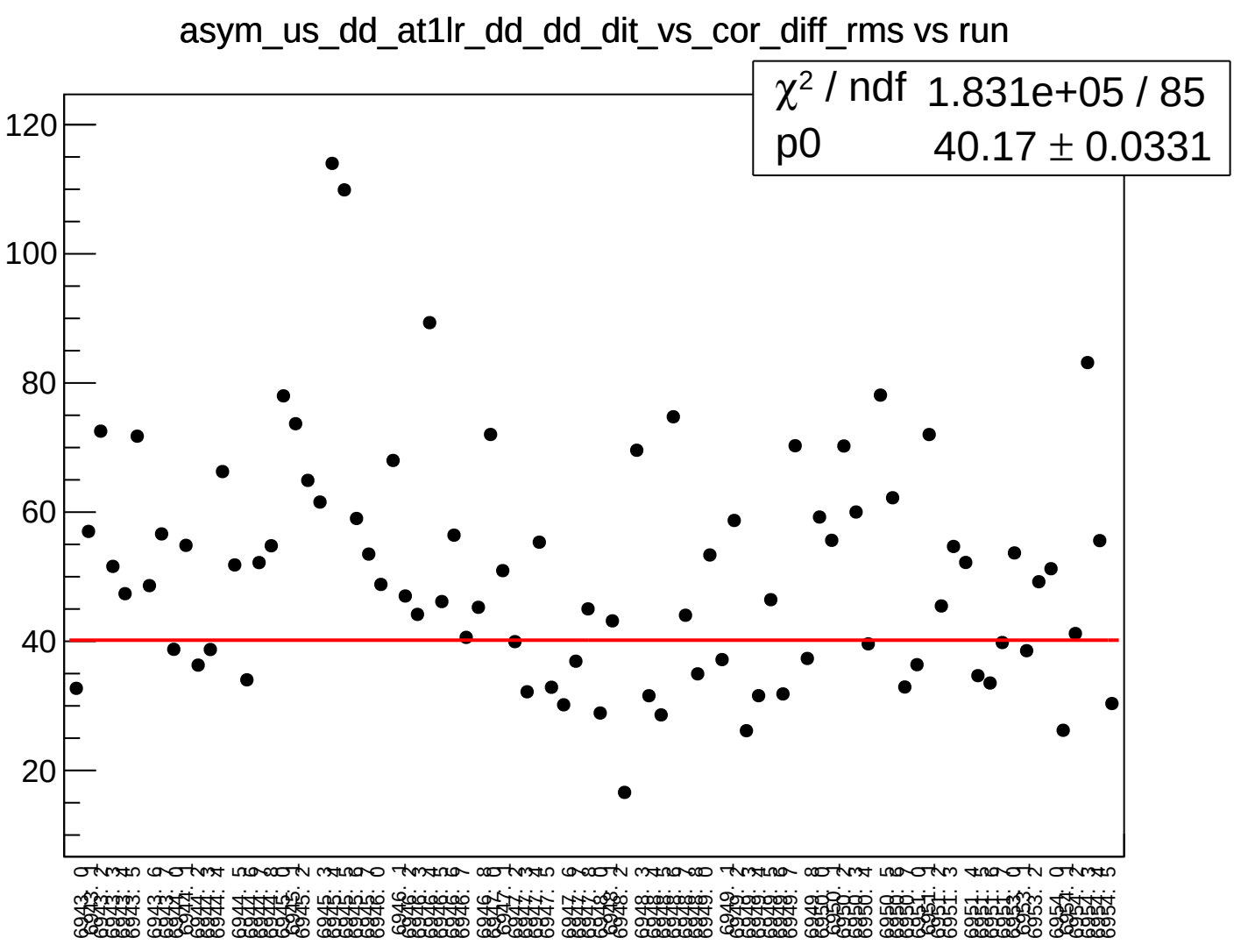

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 2046 / 85
p0 2135 ± 1.66
2300
2250
2200
2150
2100
2050
2000

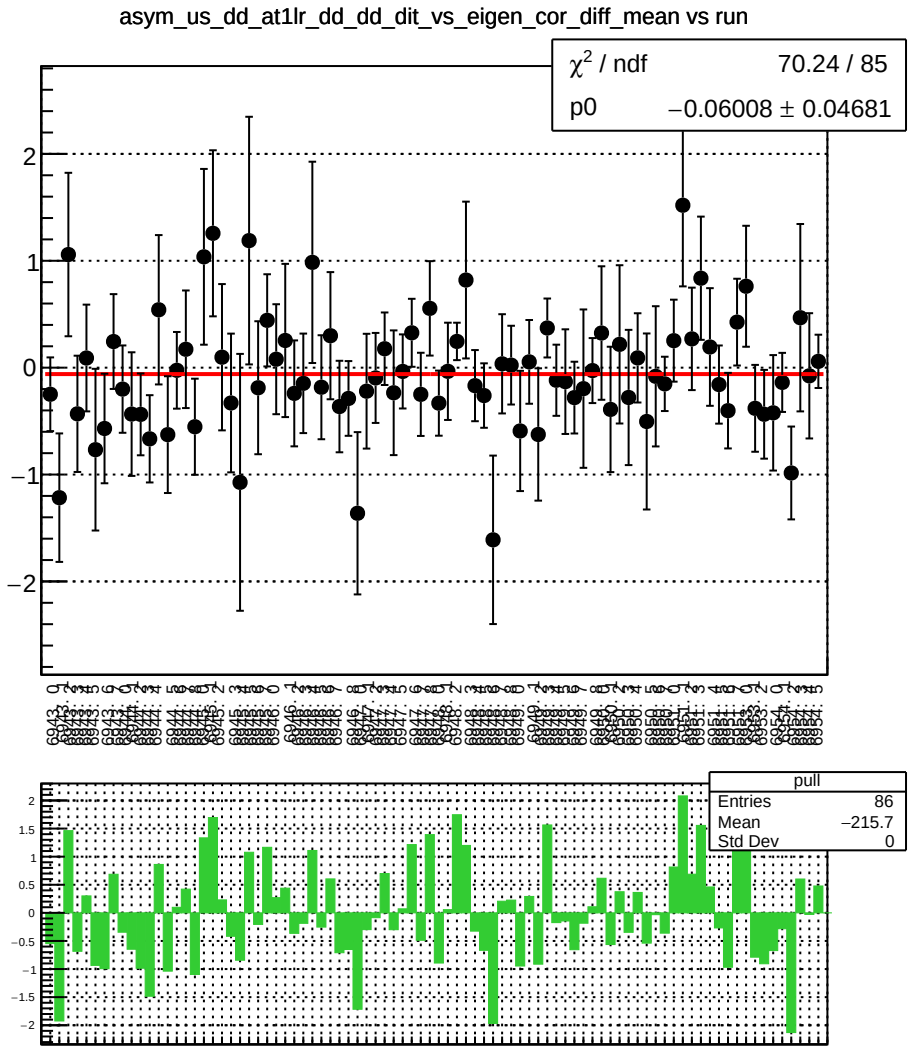

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 96.31 / 85
p0 −5.371e−15 ± 7.31e−14
pull
Entries 86
Mean 58.85
Std Dev 22.1

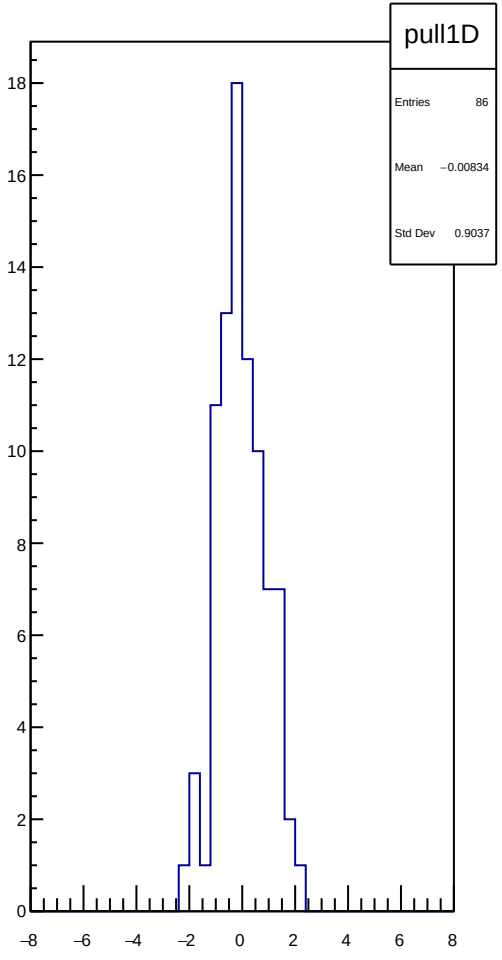

pull1D
Entries 86
Mean 0.1056
Std Dev 1.053

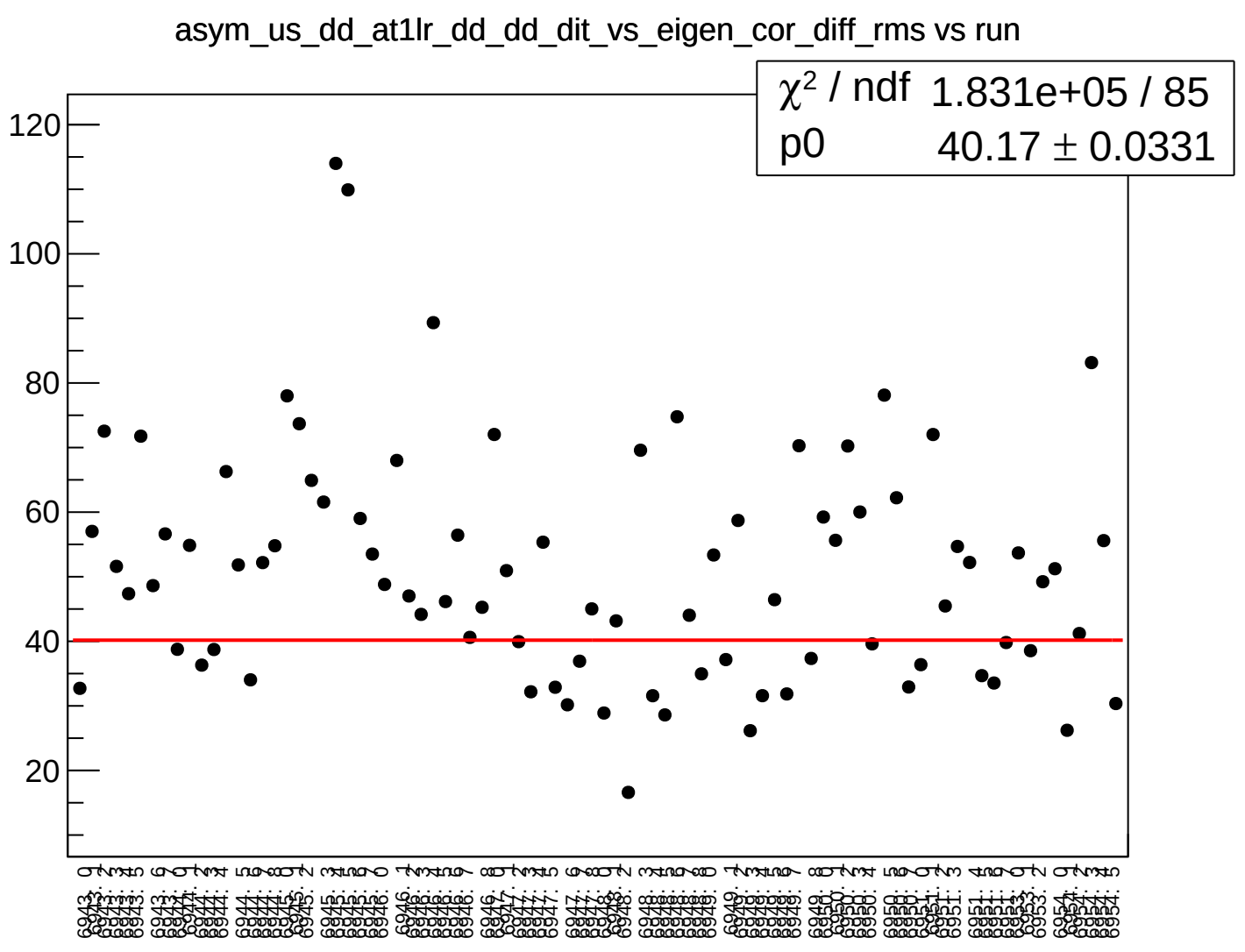

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.785e+05 / 85
p0 4.255e−11 ± 5.169e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

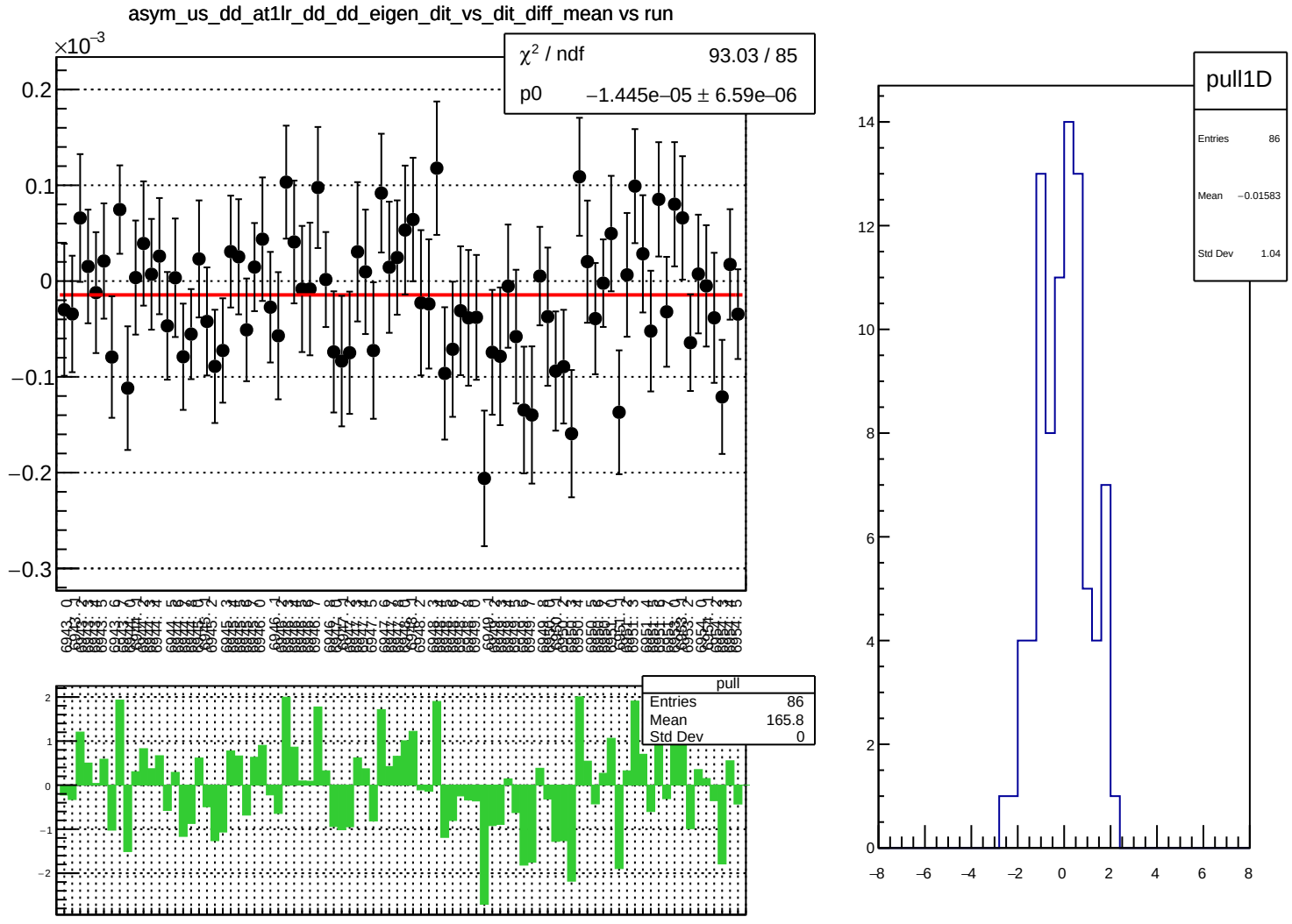

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.24 / 85
p0 −0.06008 ± 0.04681
pull
Entries 86
Mean −215.7
Std Dev 0
pull1D
Entries 86
Mean −0.00834
Std Dev 0.9037

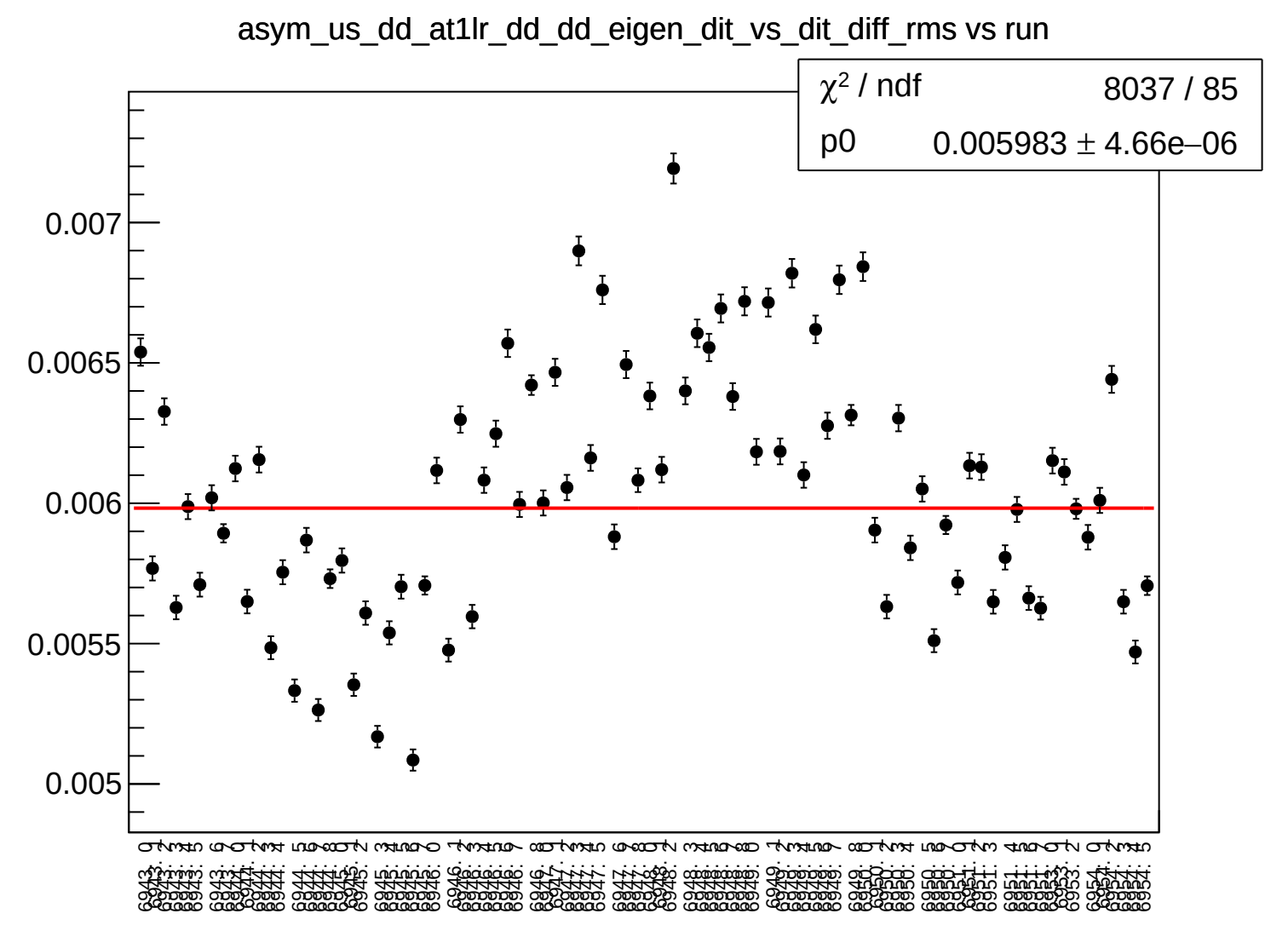

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.831e+05 / 85
p0 40.17 ± 0.0331
120
100
80
60
40
20

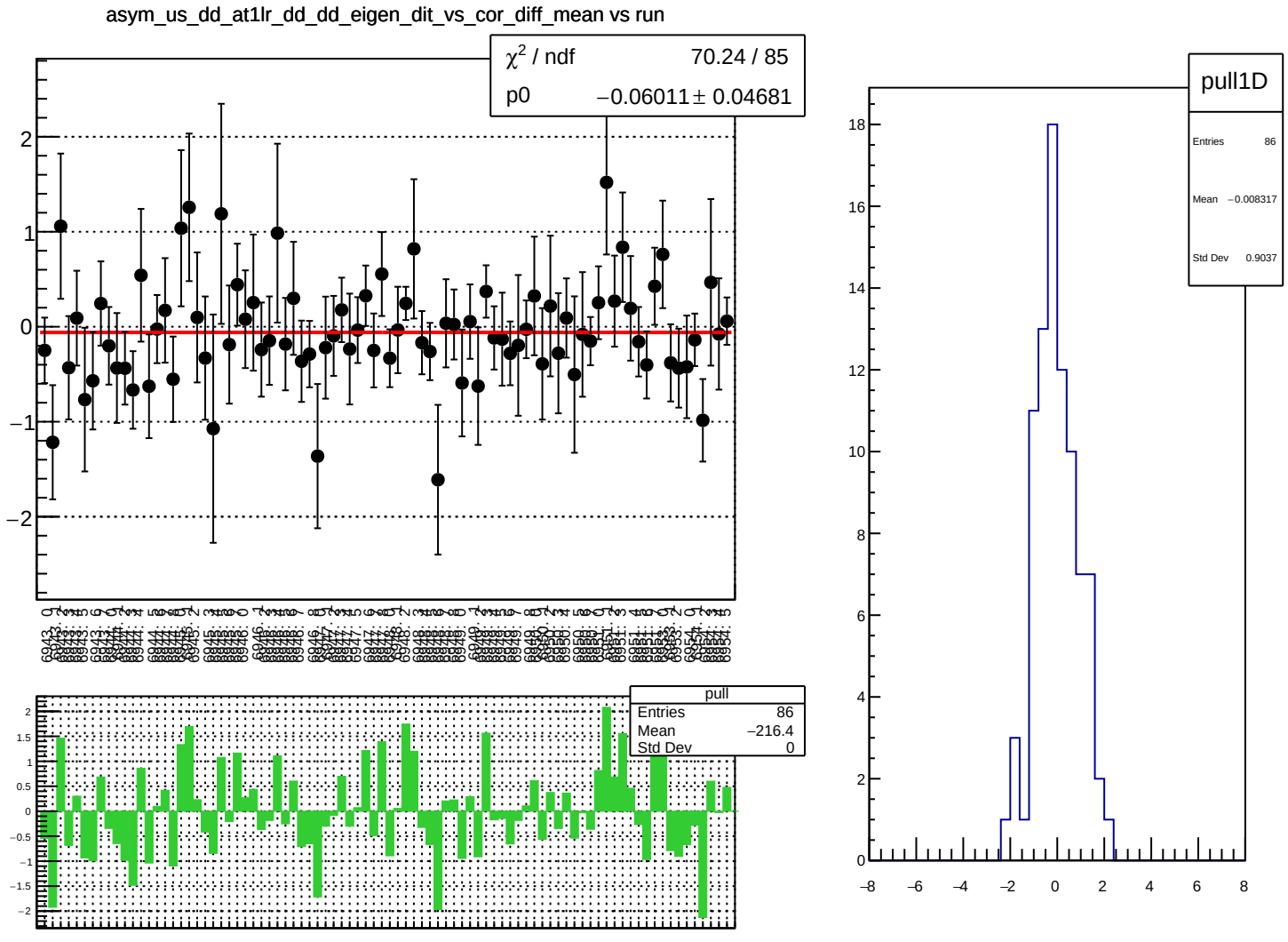

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.24 / 85
p0 −0.06008 ± 0.04681
pull
Entries 86
Mean −215.7
Std Dev 0

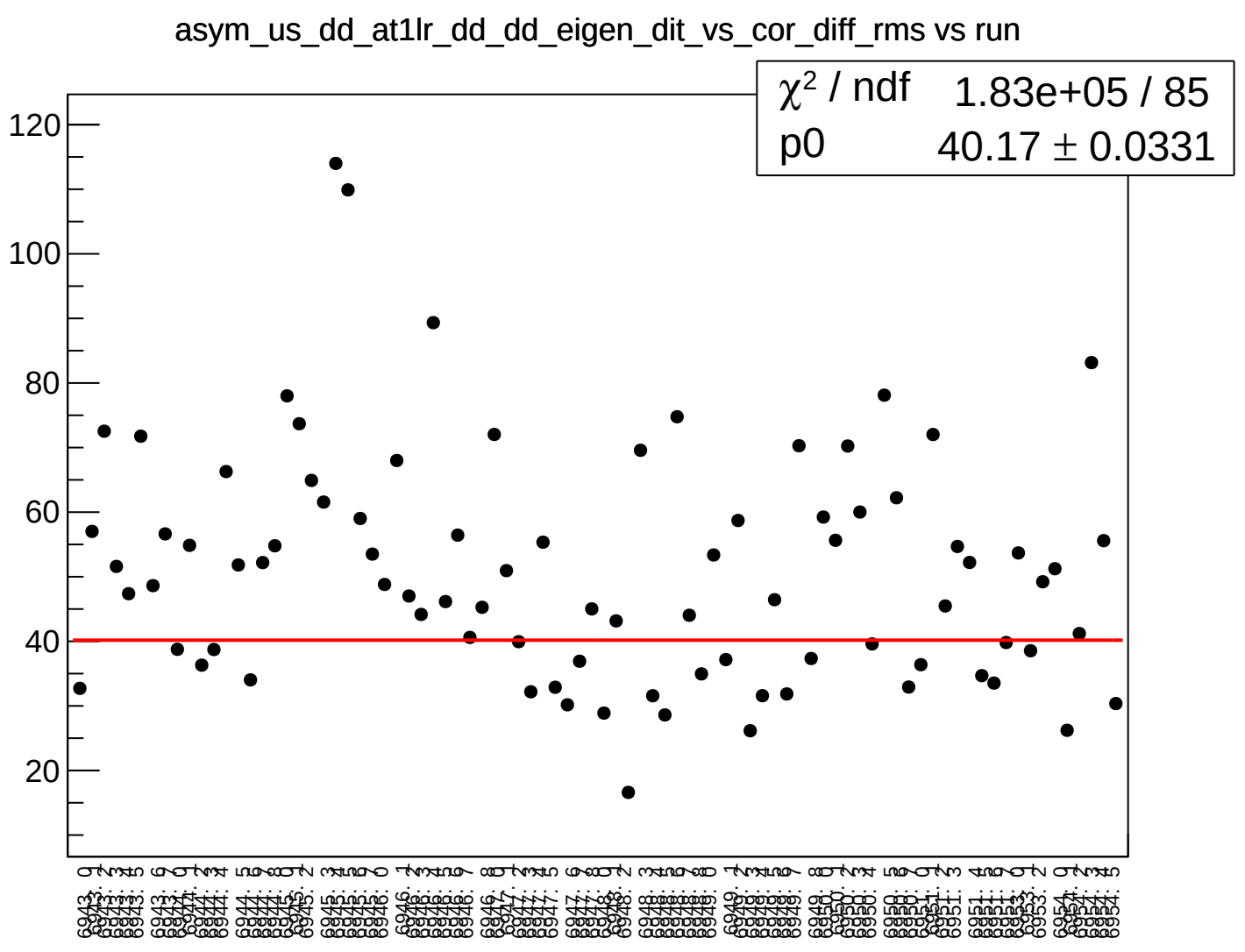

pull1D
Entries 86
Mean −0.00834
Std Dev 0.9037

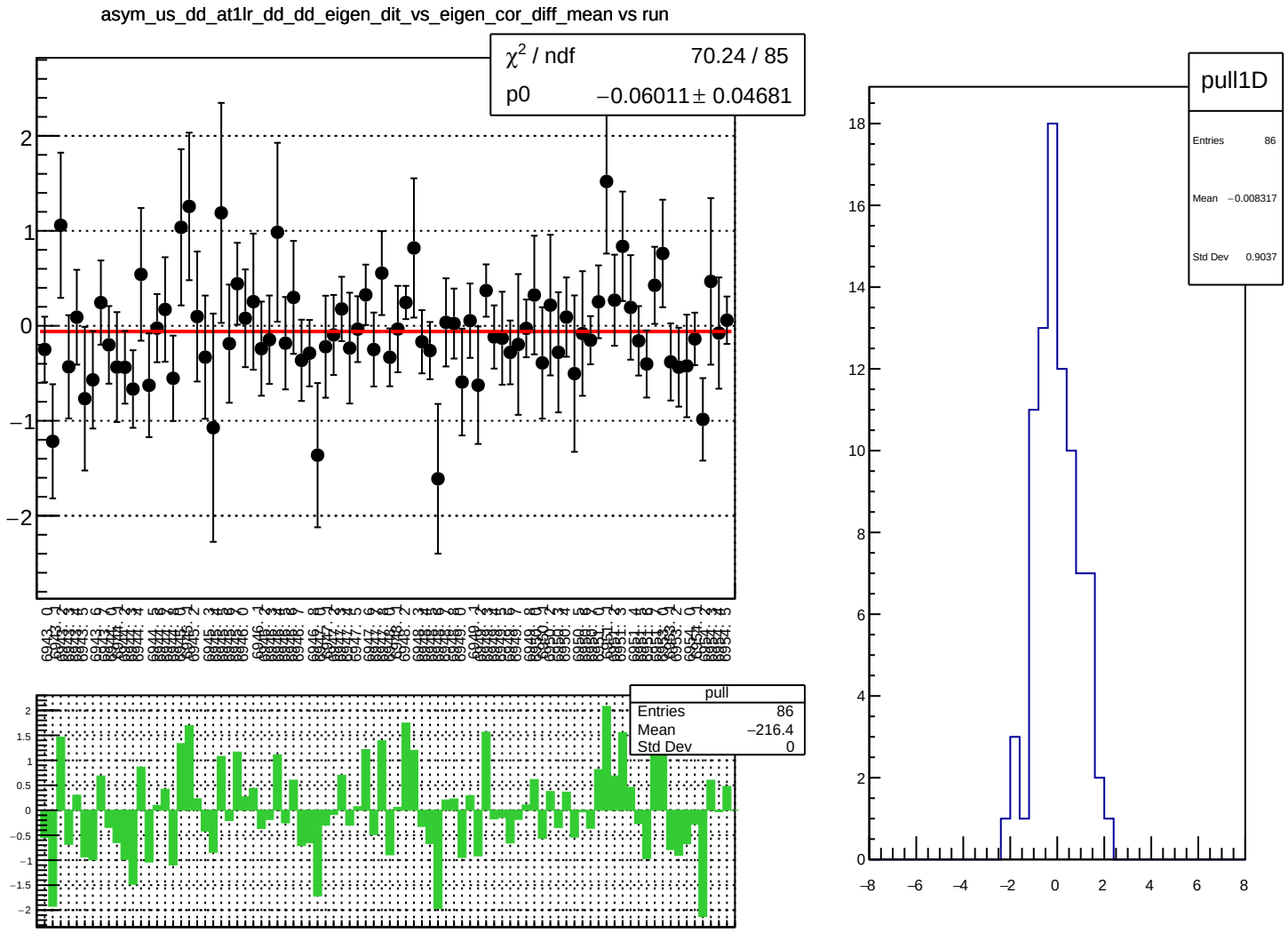

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.831e+05 / 85
p0 40.17 ± 0.0331
120
100
80
60
40
20

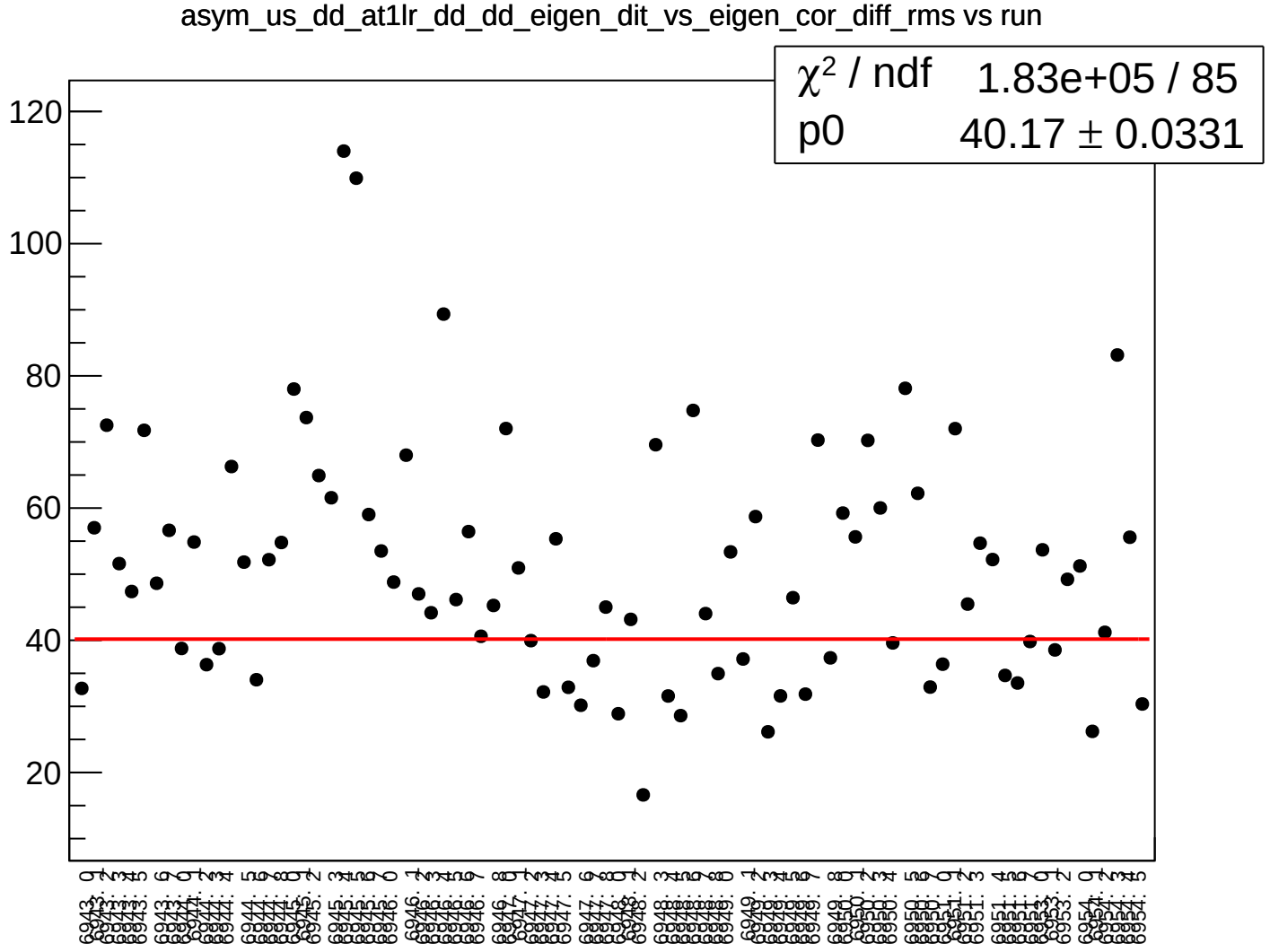

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.03 / 85
p0 −1.445e−05 ± 6.59e−06
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 86
Mean 165.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.01583
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

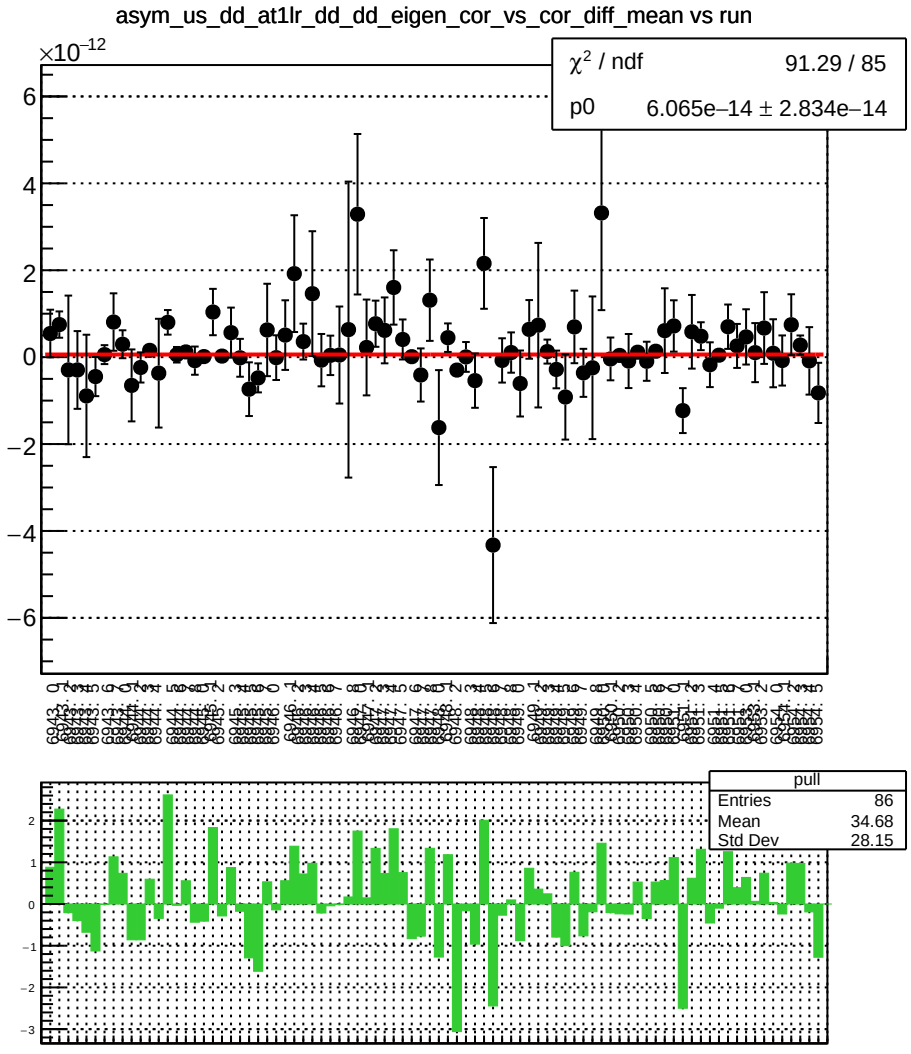

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8037 / 85
p0 0.005983 ± 4.66e−06
0.007
0.0065
0.006
0.0055
0.005

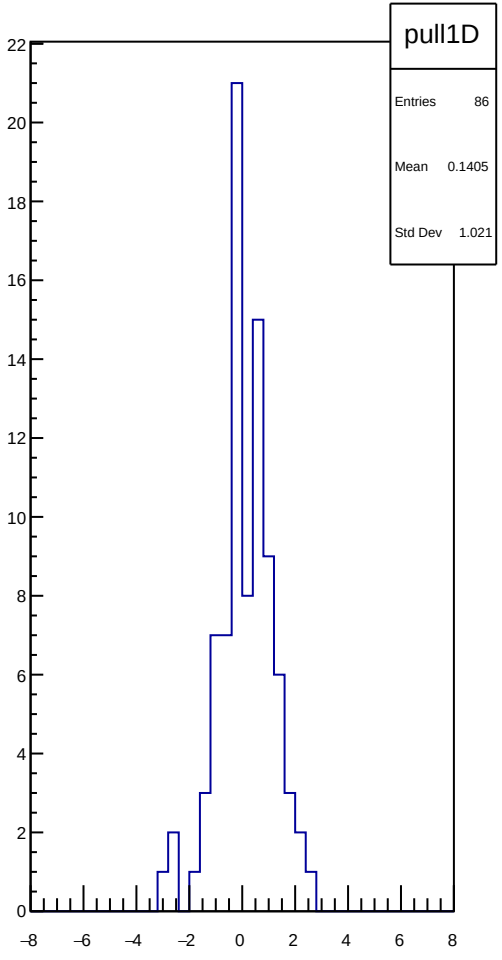

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.24 / 85
p0 −0.06011 ± 0.04681
pull
Entries 86
Mean −216.4
Std Dev 0
pull1D
Entries 86
Mean −0.008317
Std Dev 0.9037

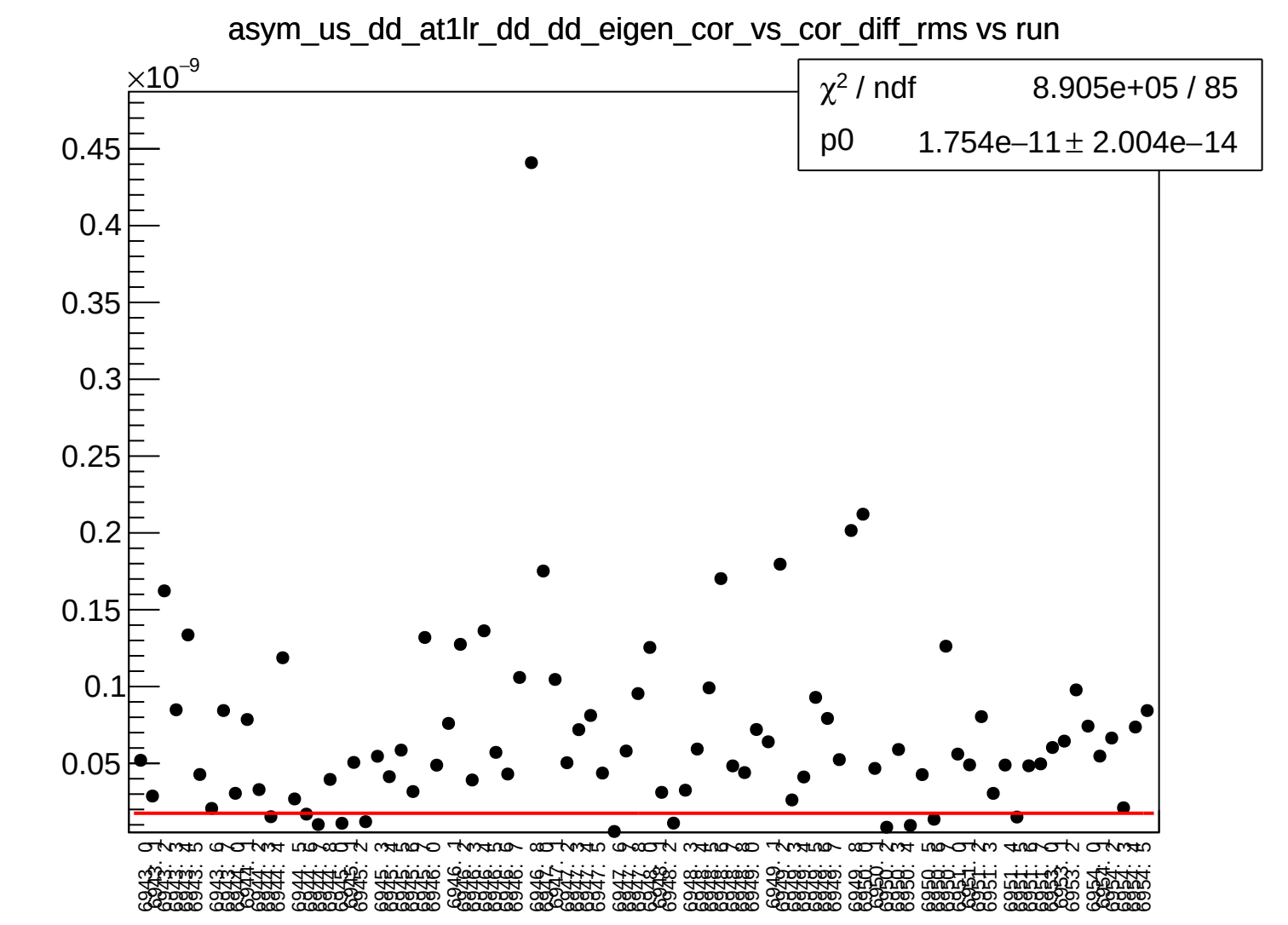

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 85
p0 40.17 ± 0.0331
120
100
80
60
40
20

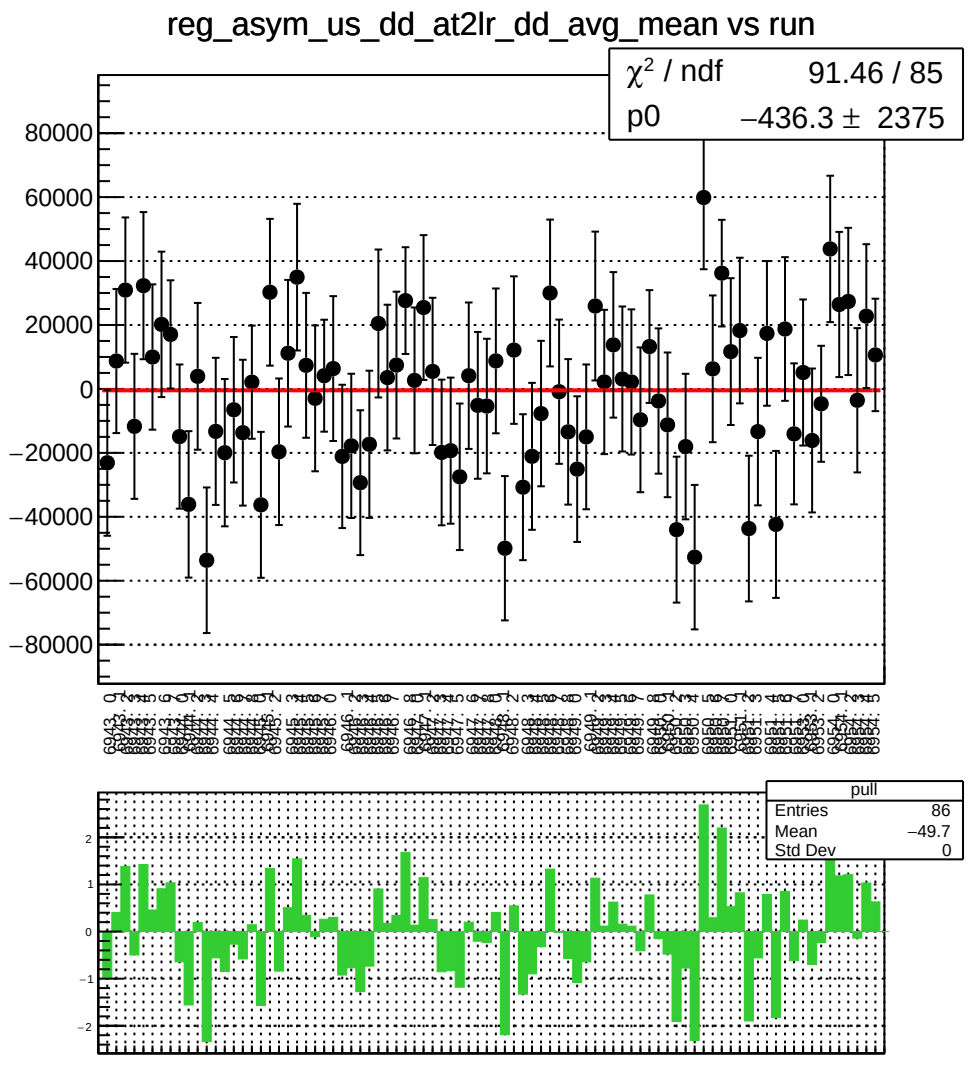

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.24 / 85
p0 −0.06011 ± 0.04681
pull
Entries 86
Mean −216.4
Std Dev 0
pull1D
Entries 86
Mean −0.008317
Std Dev 0.9037

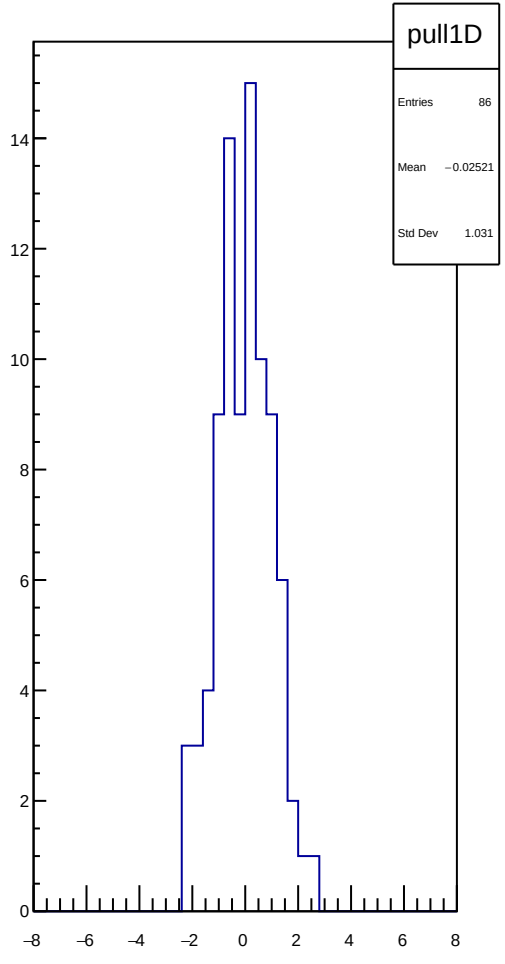

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 85
p0 40.17 ± 0.0331
120
100
80
60
40
20

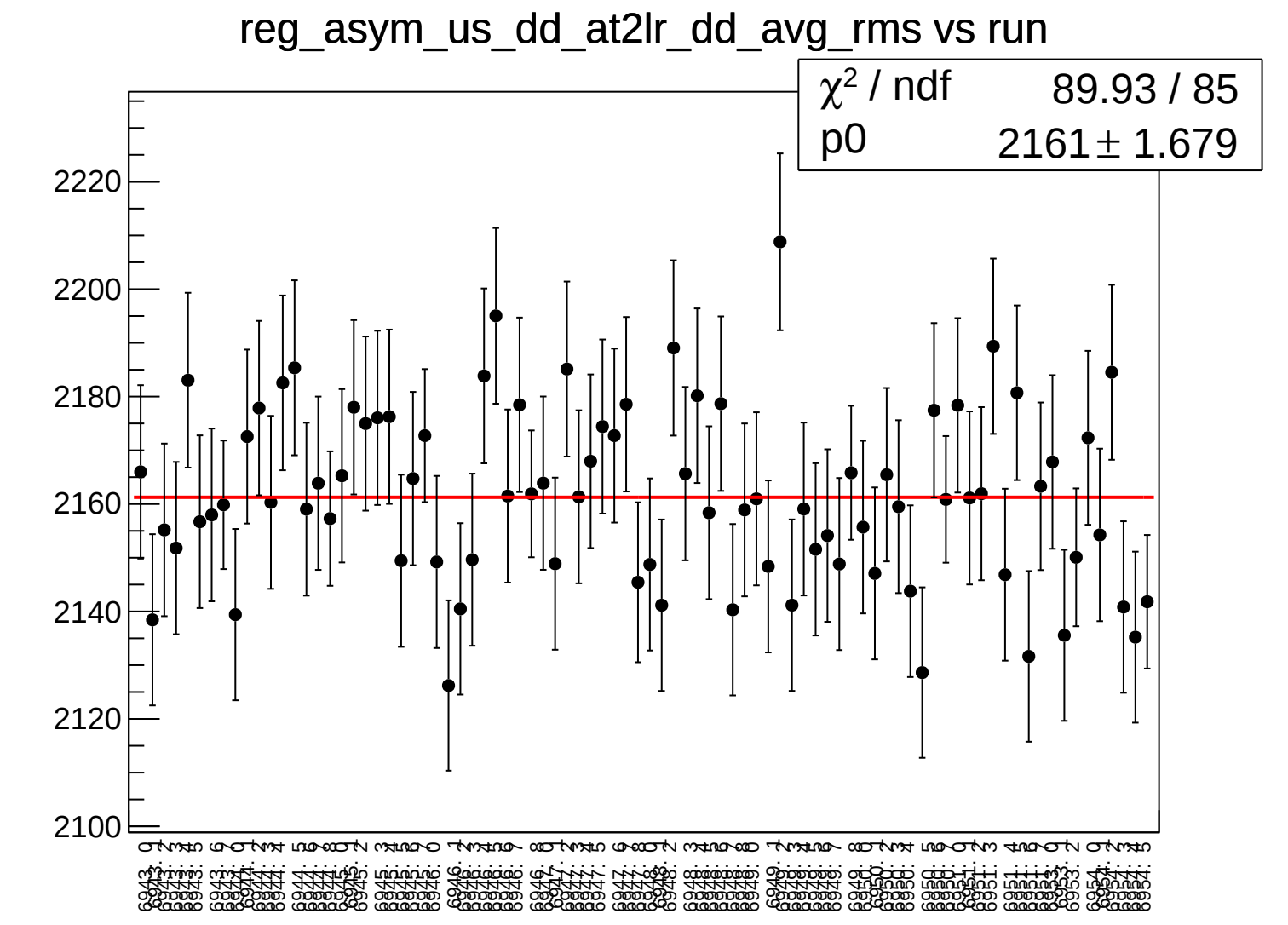

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.29 / 85
p0 6.065e−14 ± 2.834e−14
pull
Entries 86
Mean 34.68
Std Dev 28.15

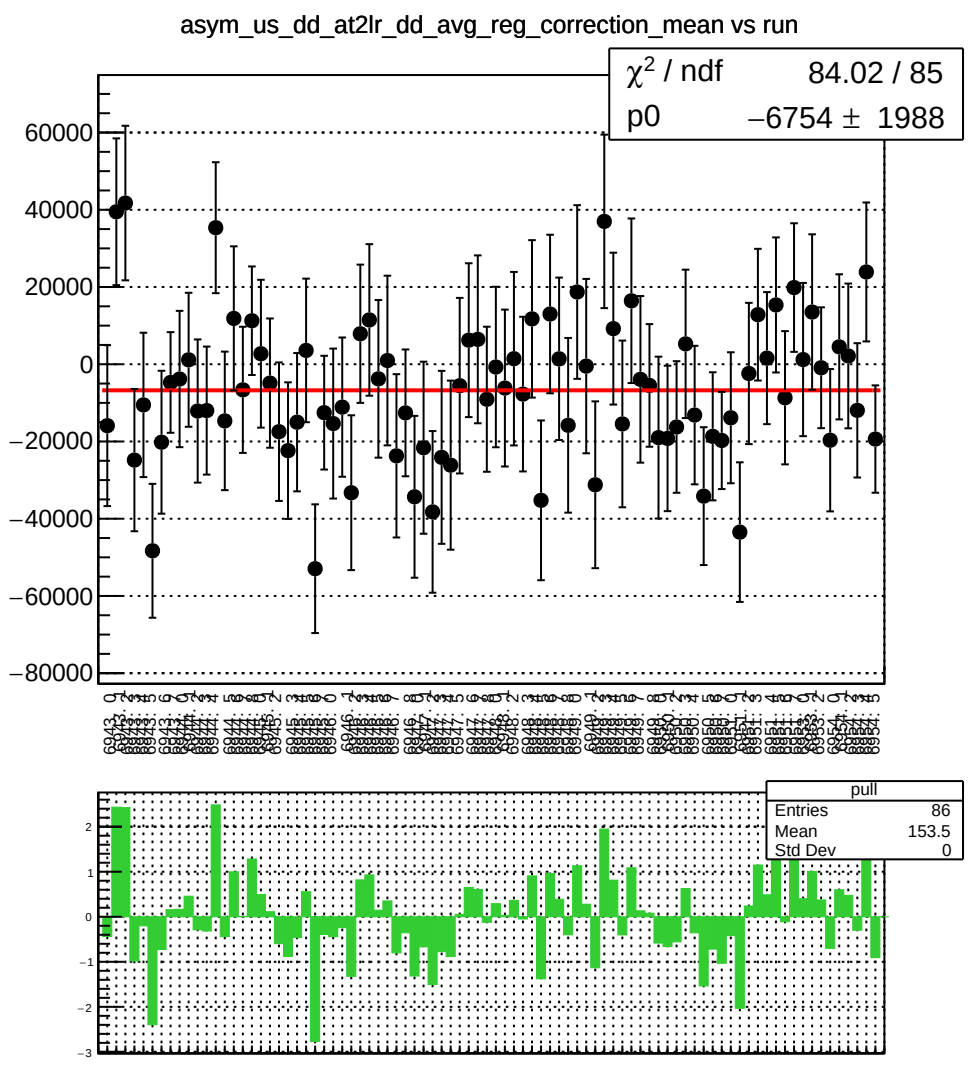

pull1D
Entries 86
Mean 0.1405
Std Dev 1.021

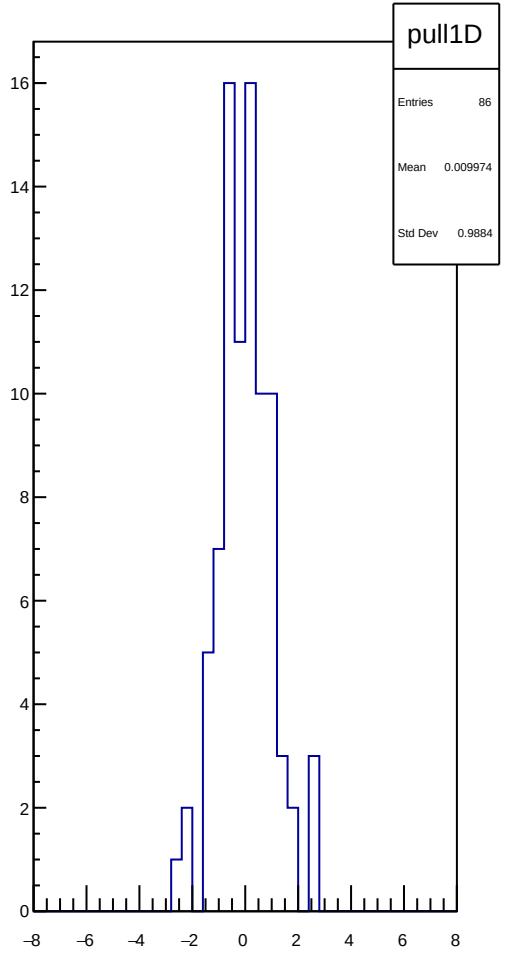

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.905e+05 / 85
p0 1.754e−11 ± 2.004e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

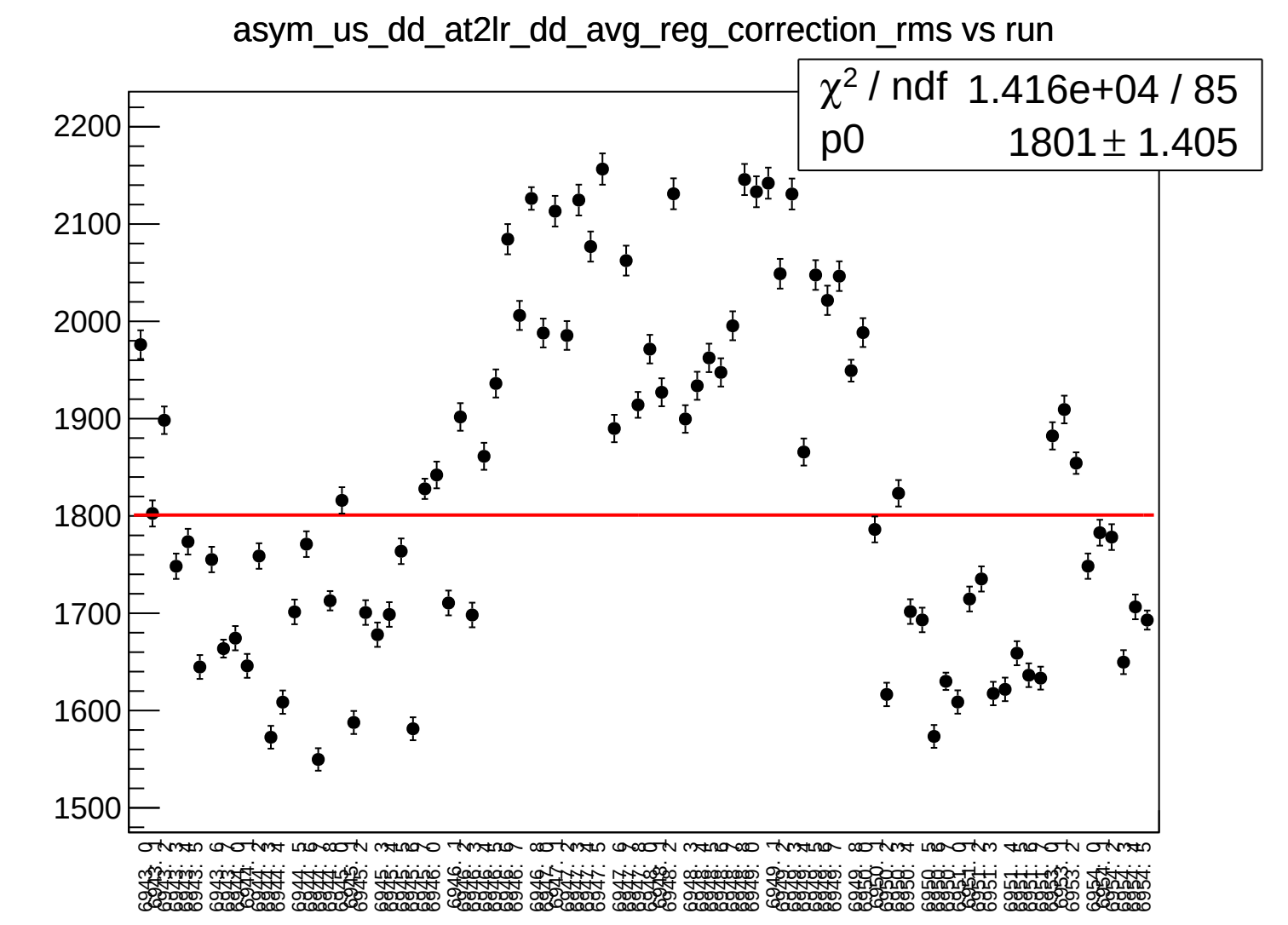

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 91.46 / 85
p0 −436.3 ± 2375
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −49.7
Std Dev 0
2
1
0
−1
−2

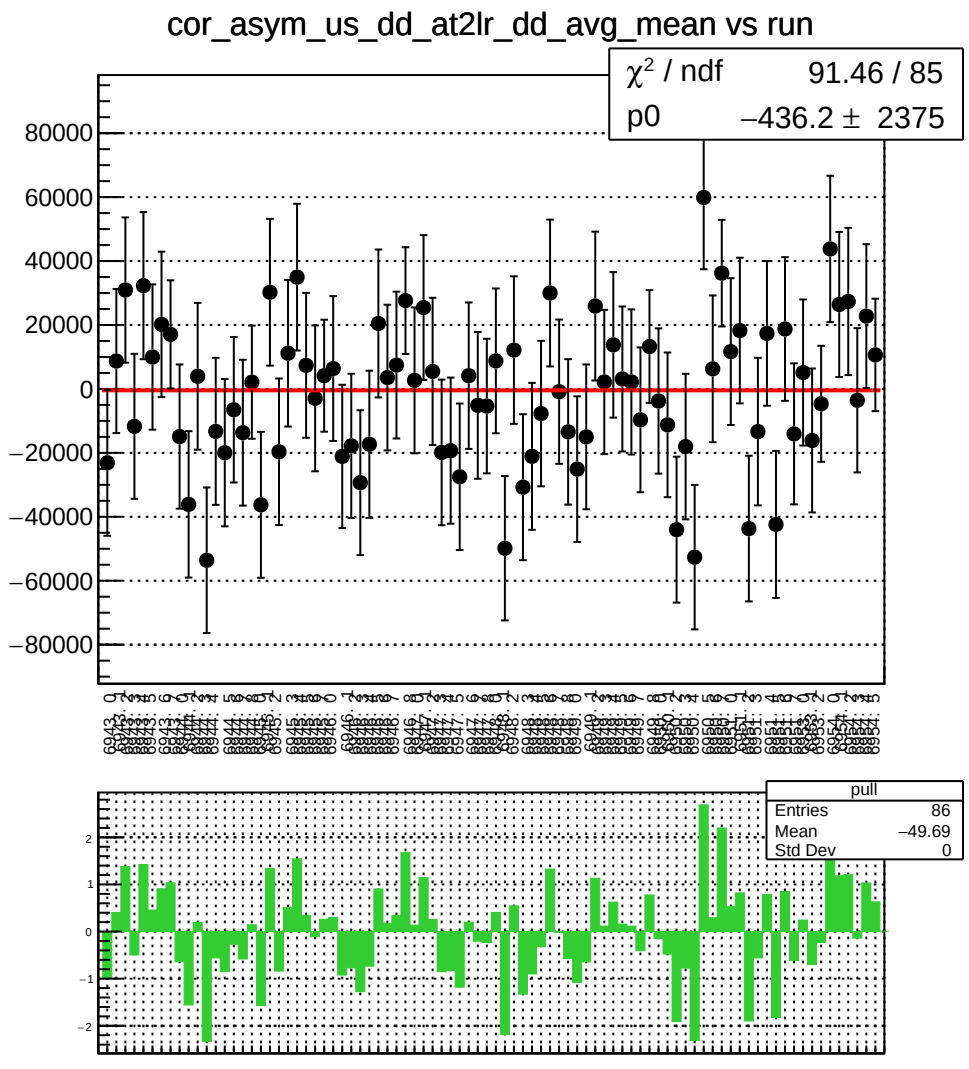

pull1D
Entries 86
Mean −0.02521
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

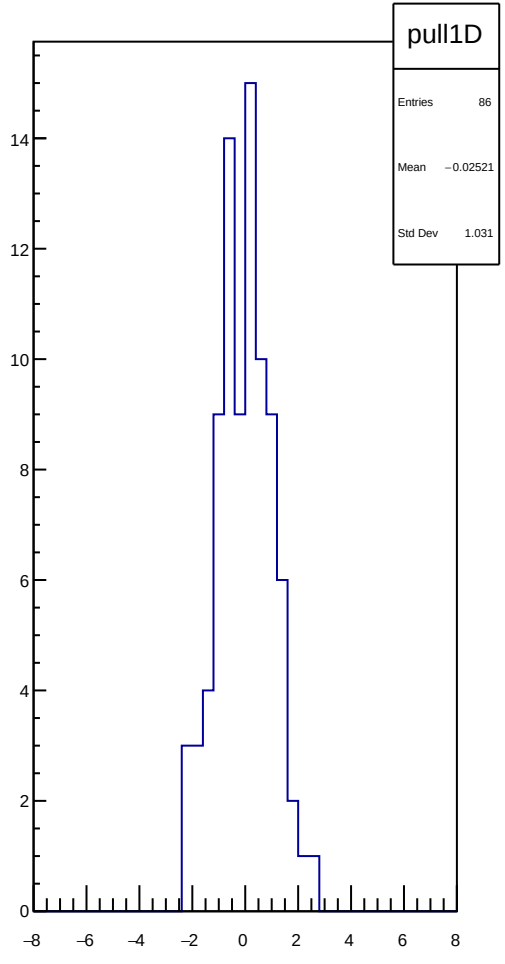

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 89.93 / 85
p0 2161 ± 1.679
2220
2200
2180
2160
2140
2120
2100

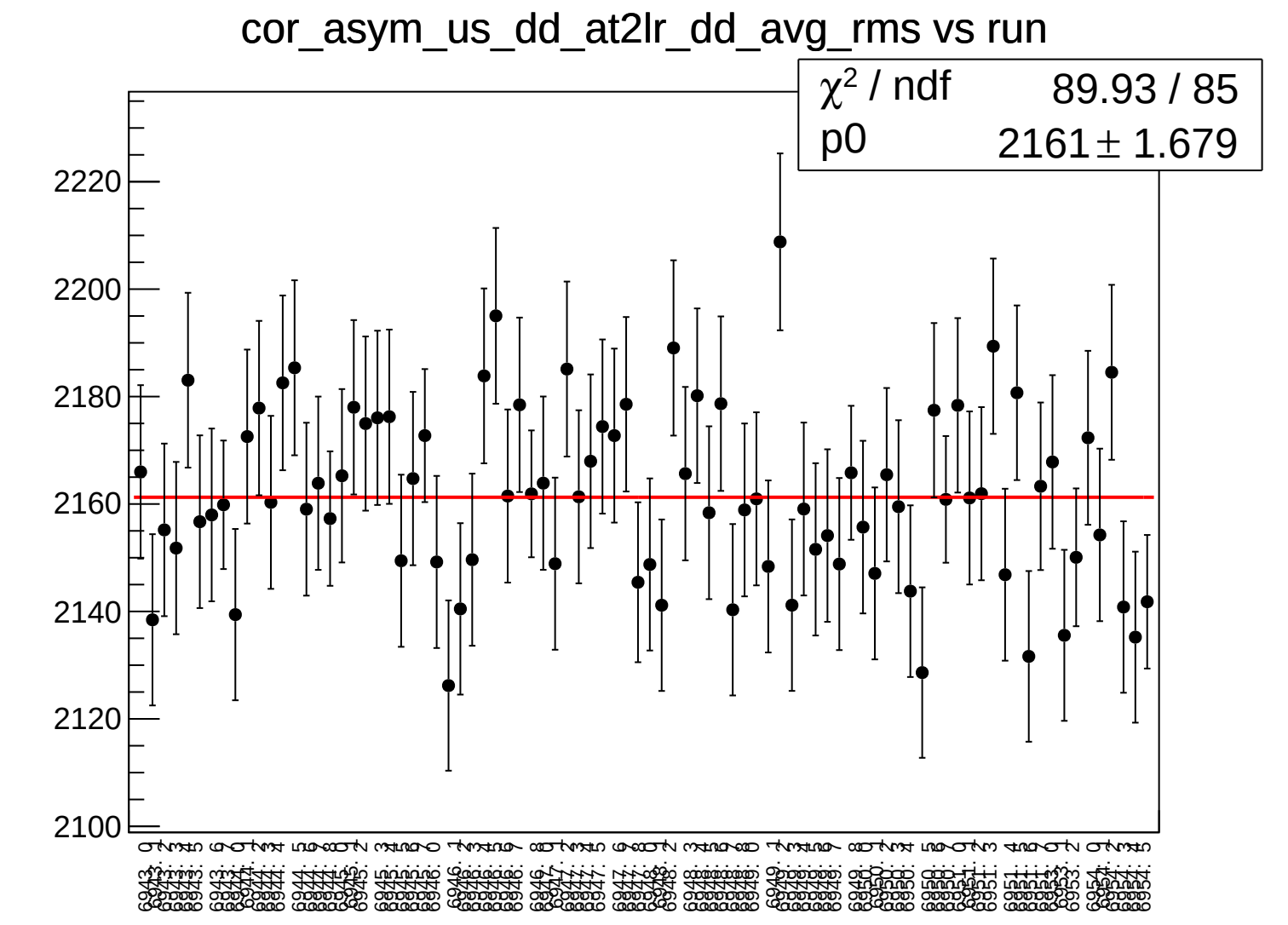

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 84.02 / 85
p0 −6754 ± 1988
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 153.5
Std Dev 0
2
1
0
−1
−2
−3

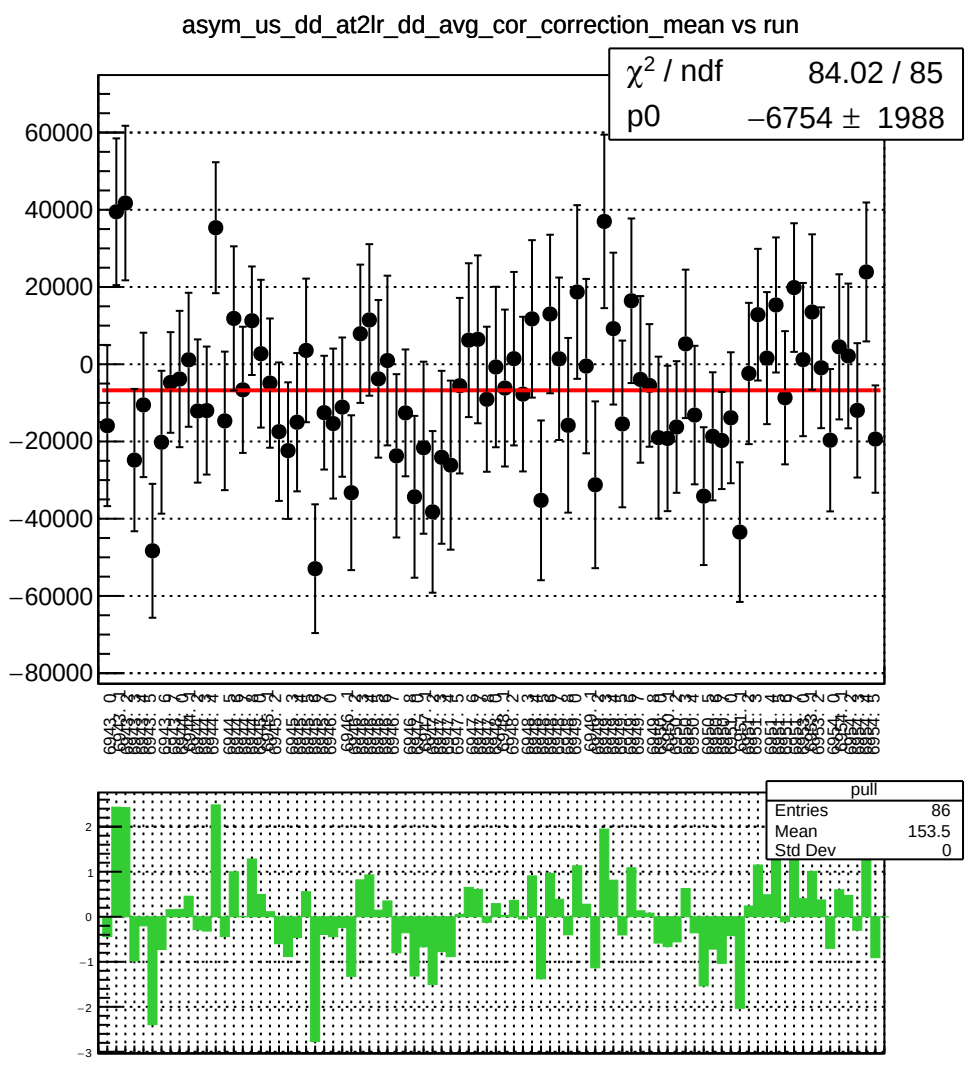

pull1D
Entries 86
Mean 0.009974
Std Dev 0.9884
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

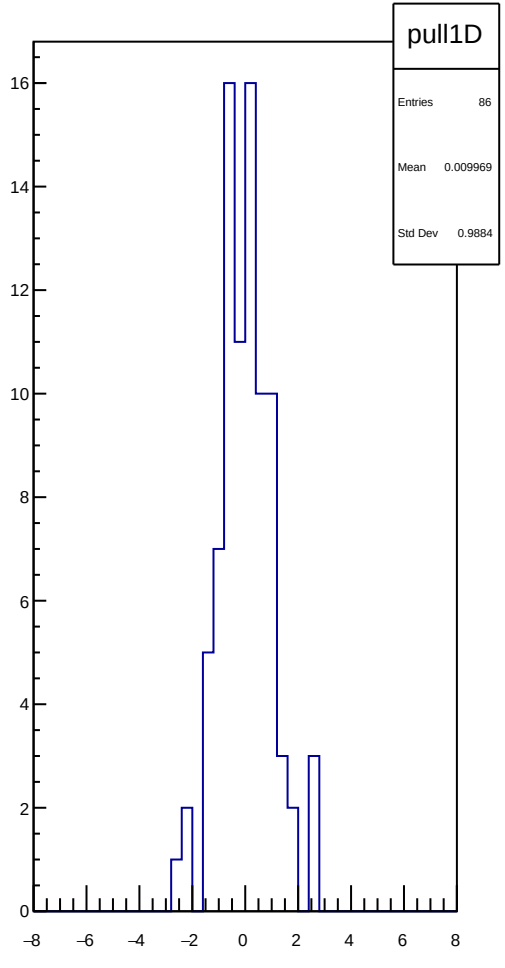

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.416e+04 / 85
p0 1801 ± 1.405
2200
2100
2000
1900
1800
1700
1600
1500

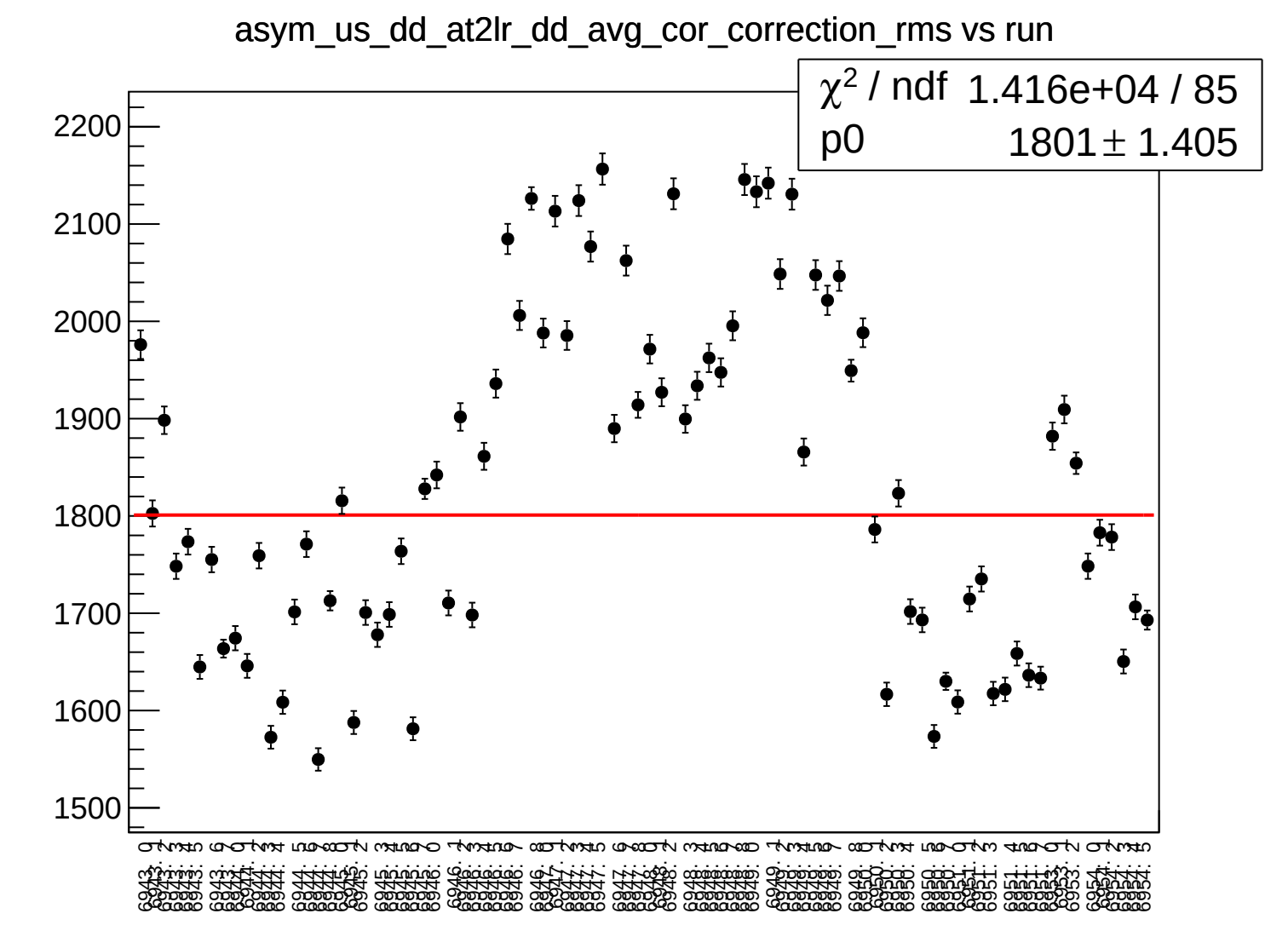

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 91.46 / 85
p0 −436.2 ± 2375
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −49.69
Std Dev 0
2
1
0
−1
−2

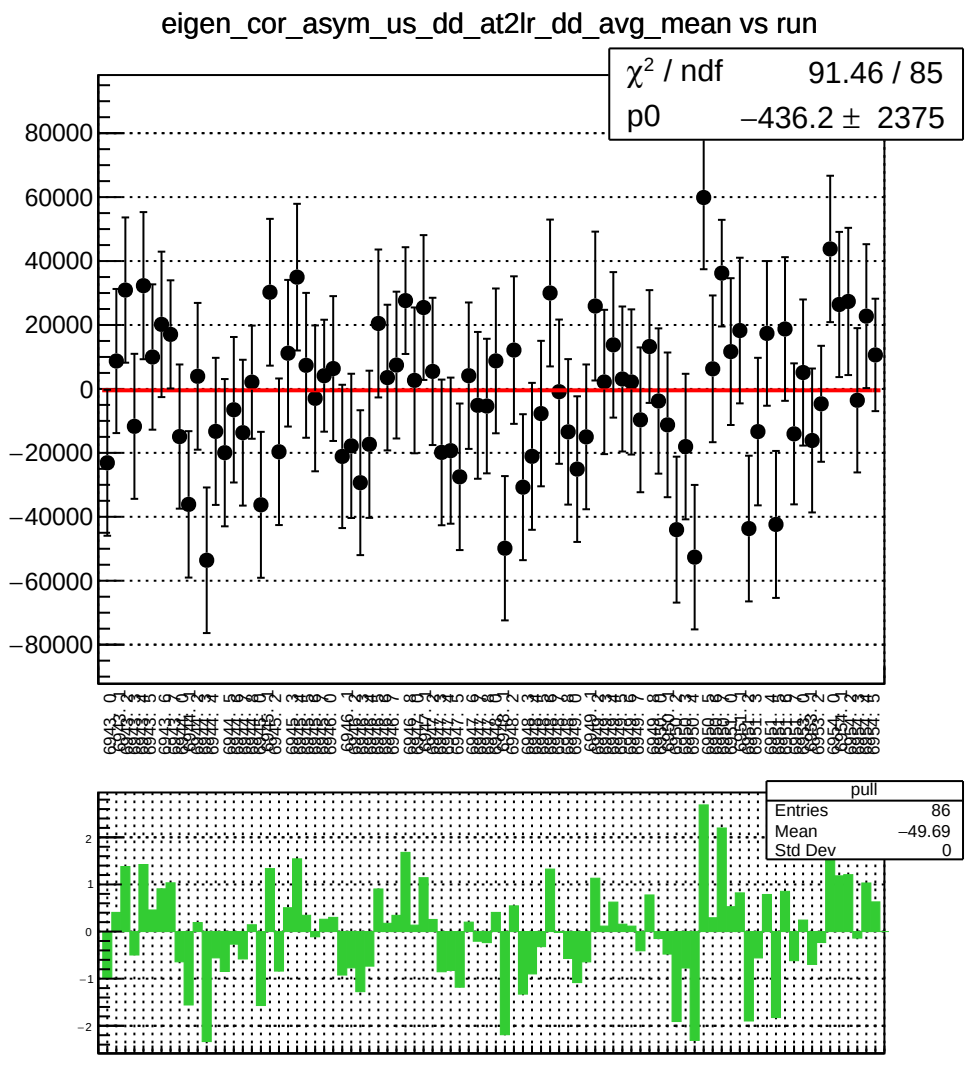

pull1D
Entries 86
Mean −0.02521
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

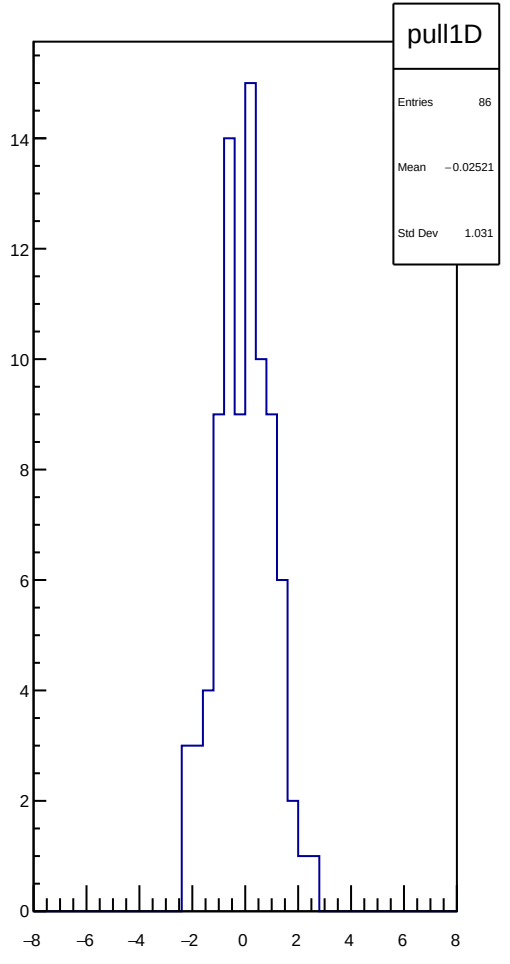

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 89.93 / 85
p0 2161 ± 1.679
2220
2200
2180
2160
2140
2120
2100

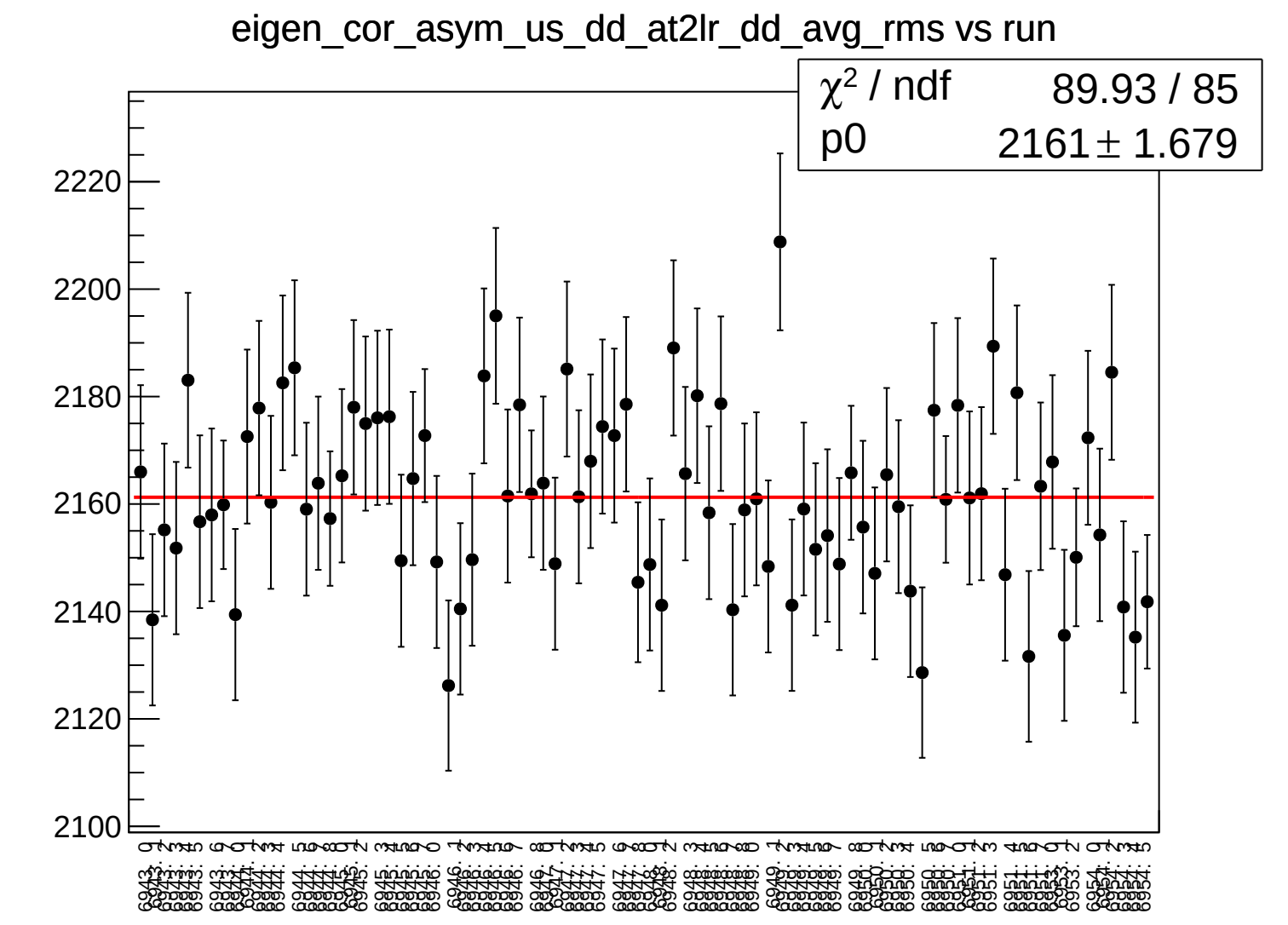

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 84.02 / 85
p0 −6754 ± 1988
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 153.5
Std Dev 0
2
1
0
−1
−2
−3

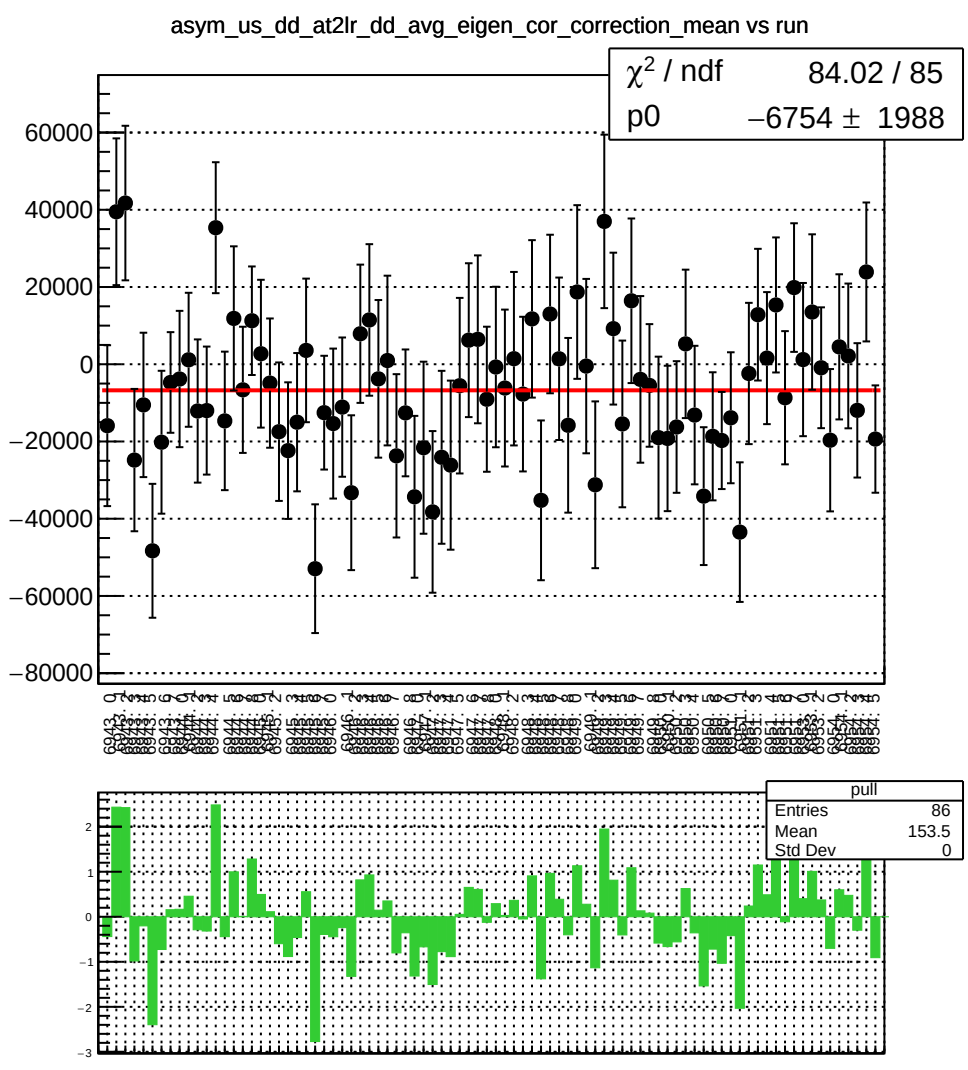

pull1D
Entries 86
Mean 0.009969
Std Dev 0.9884
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

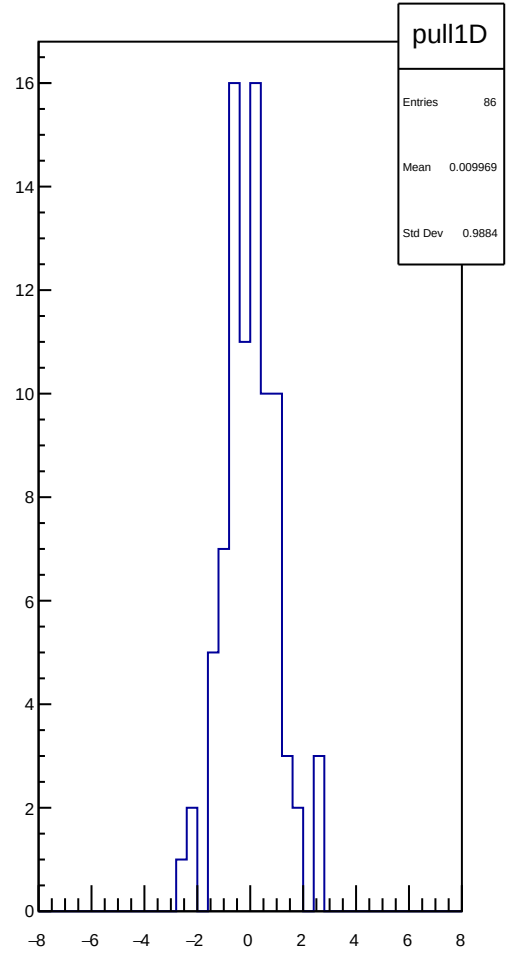

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.416e+04 / 85
p0 1801 ± 1.405
2200
2100
2000
1900
1800
1700
1600
1500

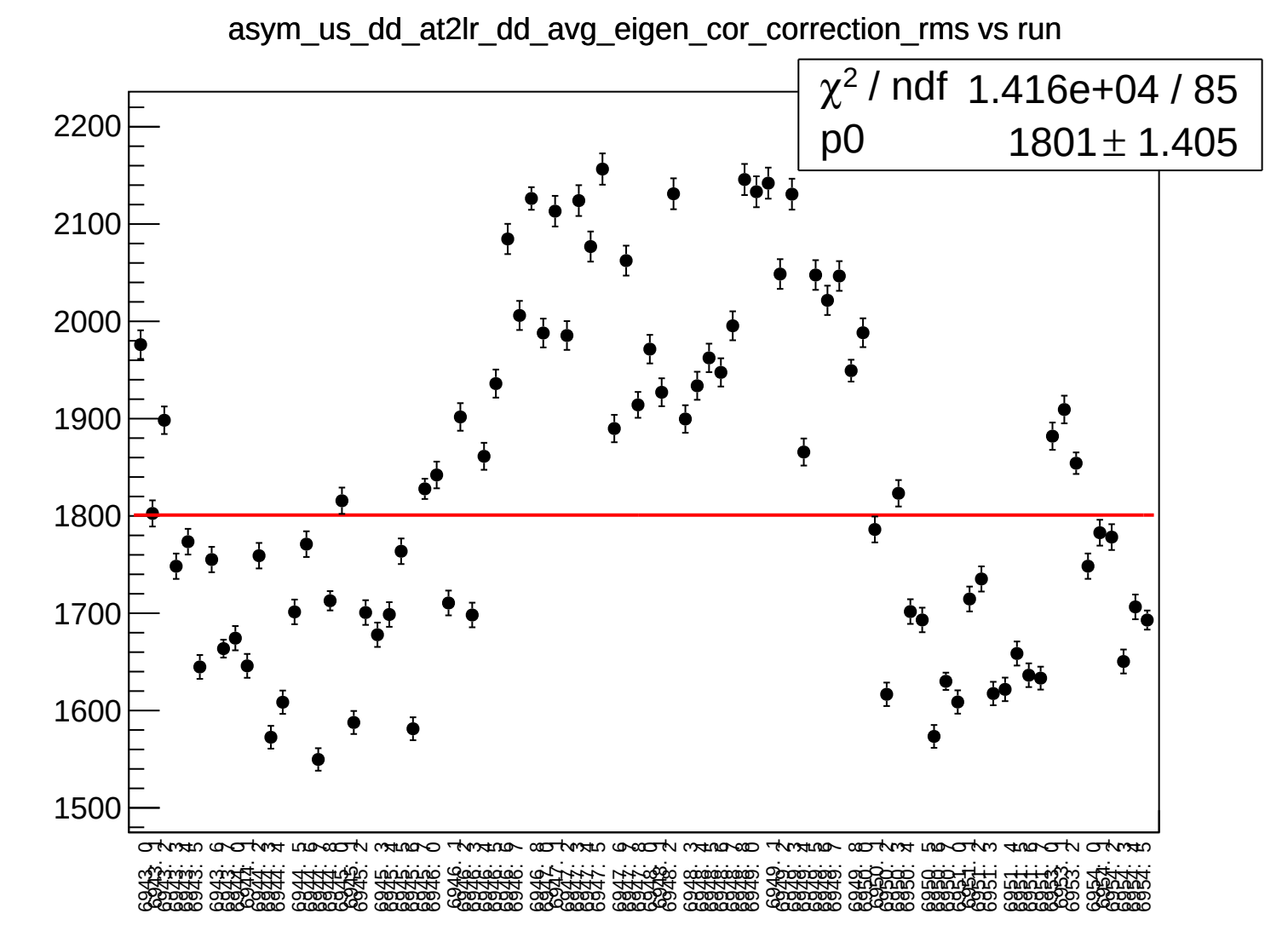

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 91.46 / 85
p0 −436.2 ± 2375
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −49.69
Std Dev 0
2
1
0
−1
−2

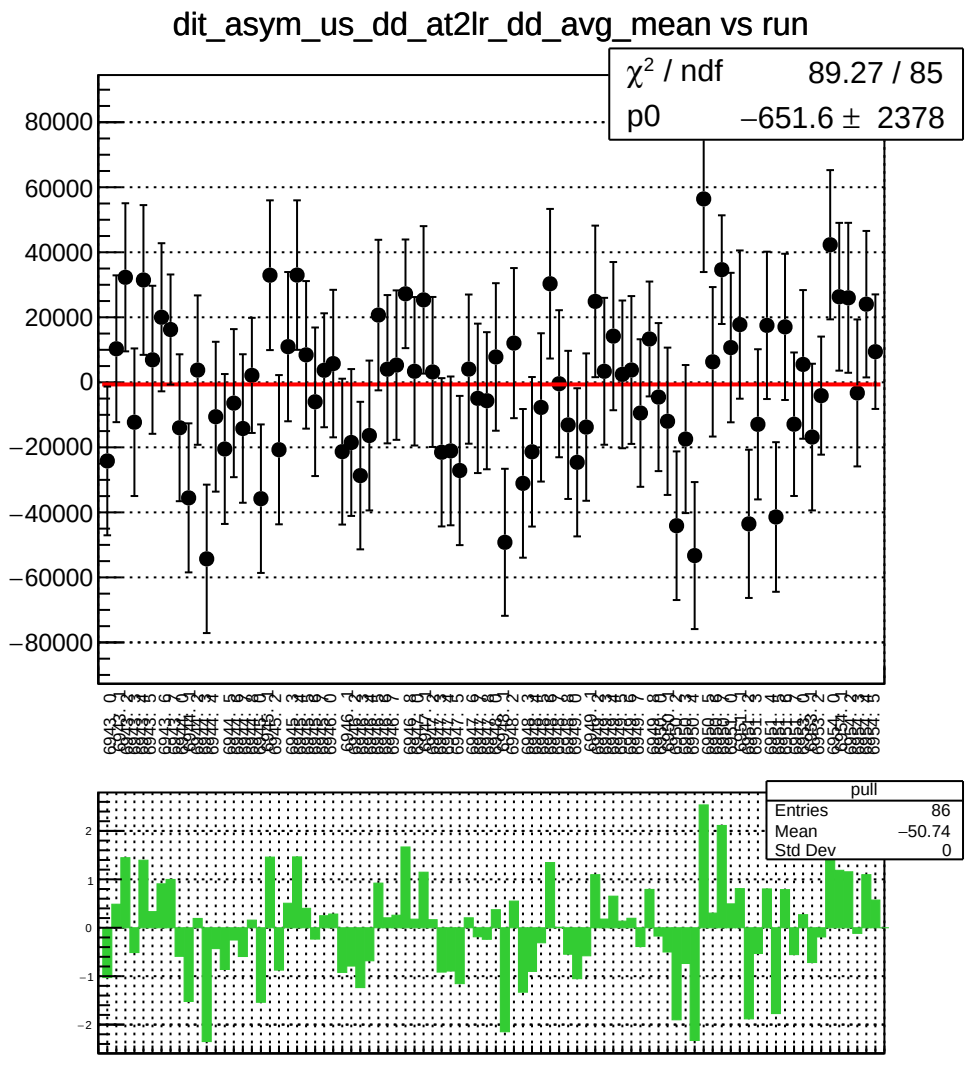

pull1D
Entries 86
Mean −0.02521
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

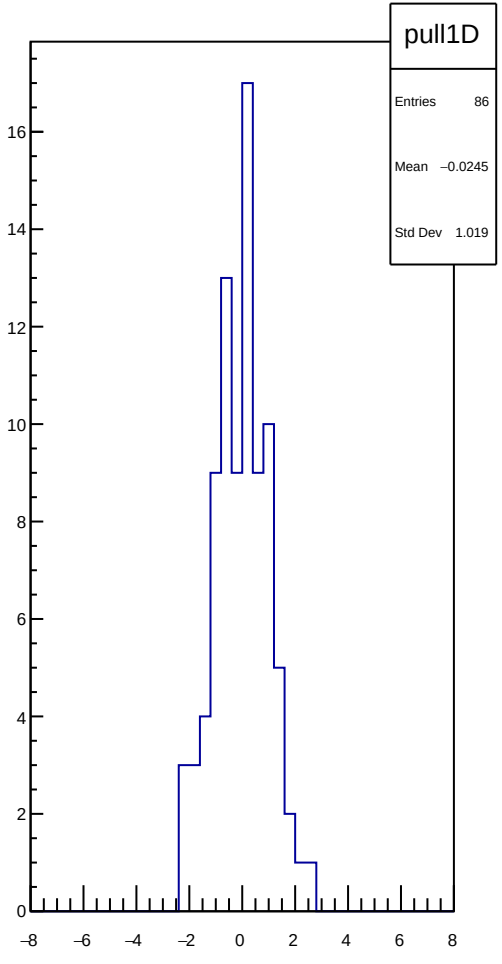

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 89.93 / 85
p0 2161 ± 1.679
2220
2200
2180
2160
2140
2120
2100

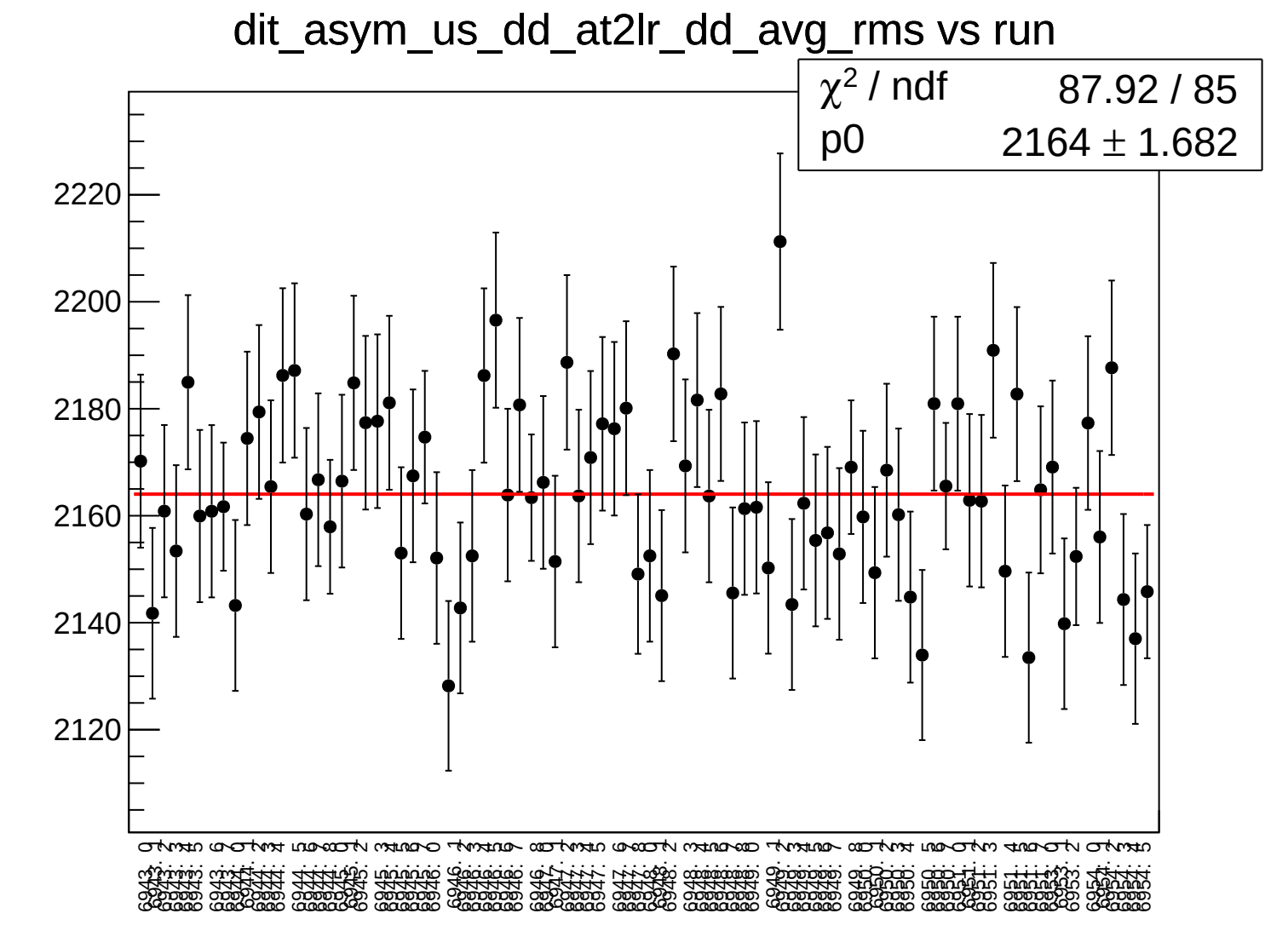

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.02 / 85
p0 −6754 ± 1988
pull
Entries 86
Mean 153.5
Std Dev 0

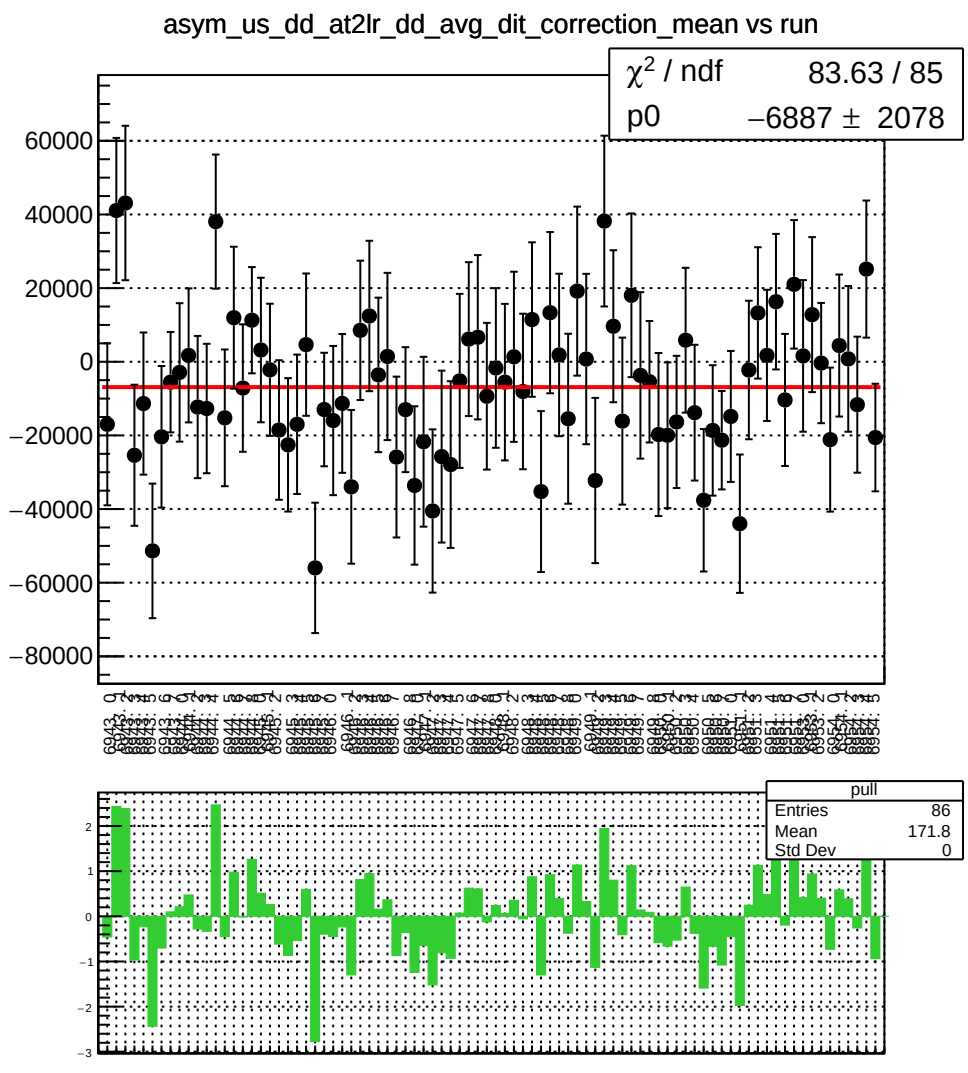

pull1D
Entries 86
Mean 0.009969
Std Dev 0.9884

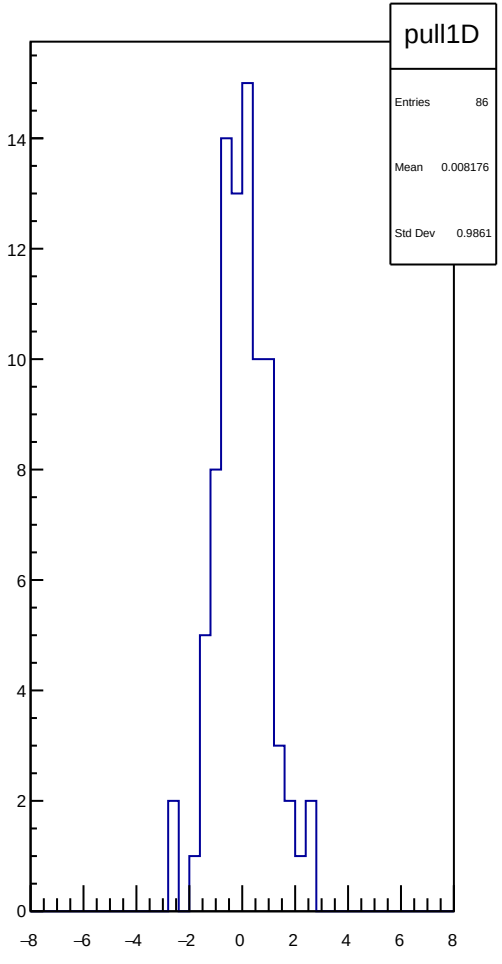

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.416e+04 / 85
p0 1801 ± 1.405
2200
2100
2000
1900
1800
1700
1600
1500

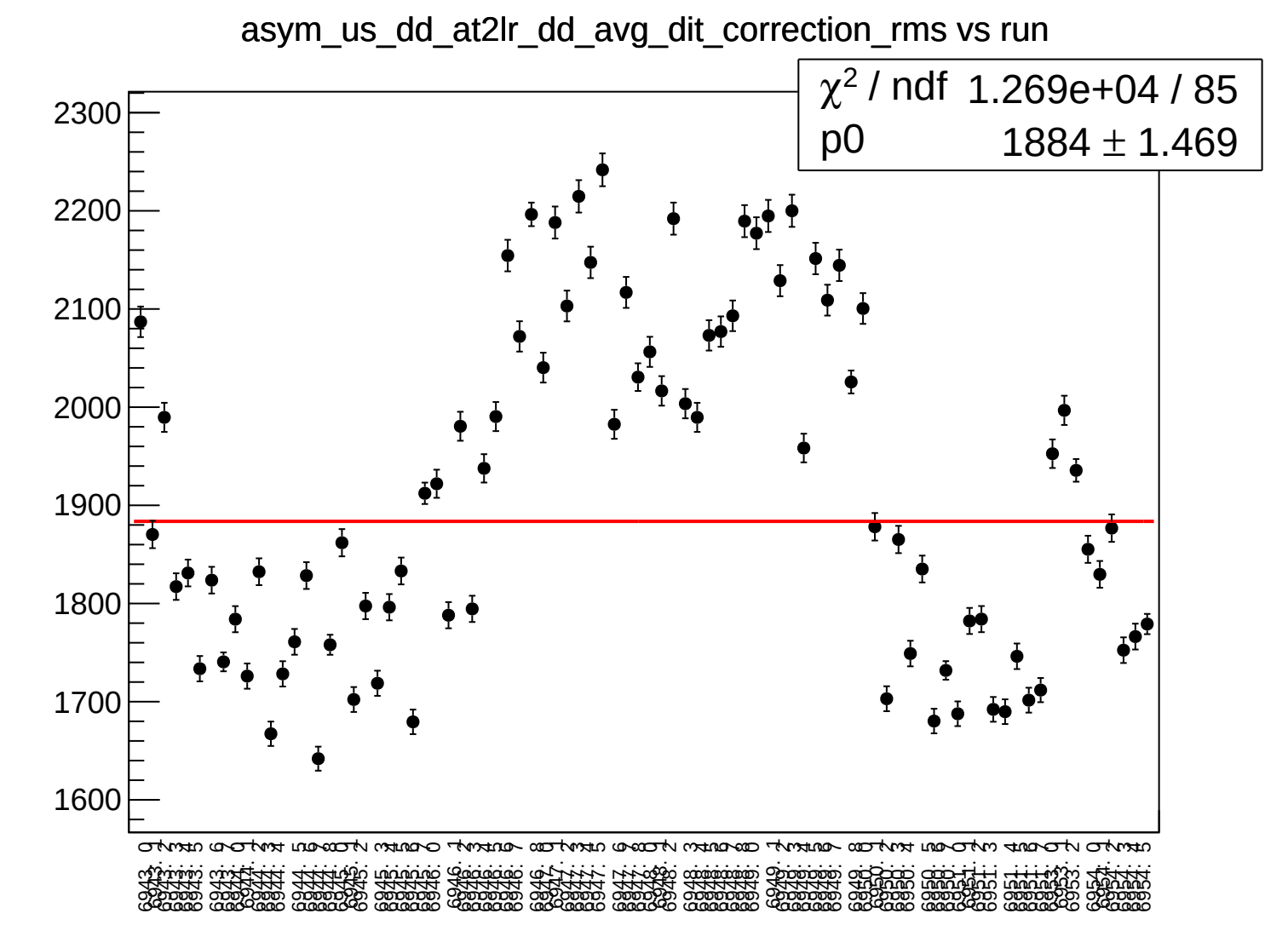

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 89.27 / 85
p0 −651.6 ± 2378
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −50.74
Std Dev 0
2
1
0
−1
−2

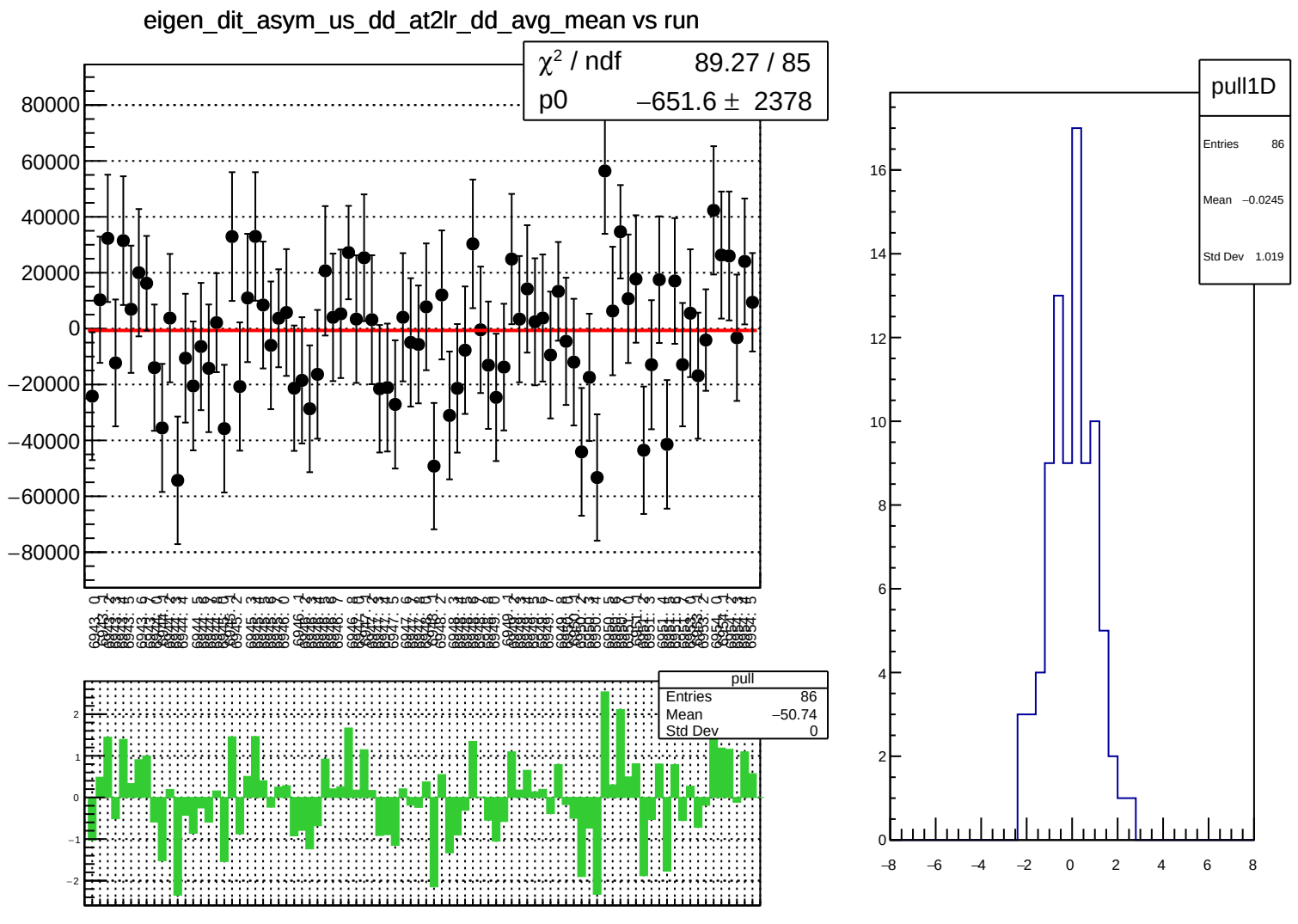

pull1D
Entries 86
Mean −0.0245
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

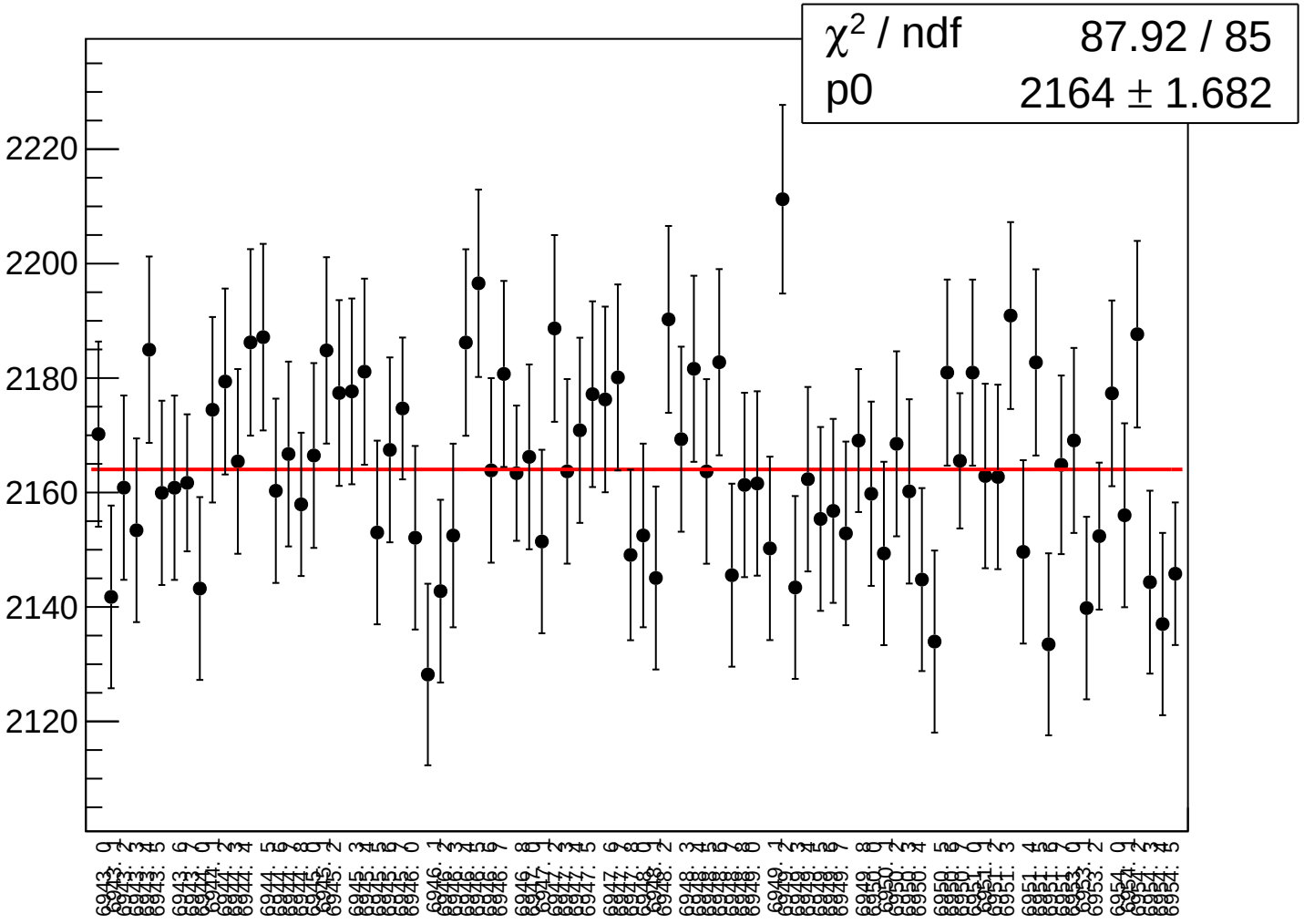

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 87.92 / 85
p0 2164 ± 1.682
2220
2200
2180
2160
2140
2120

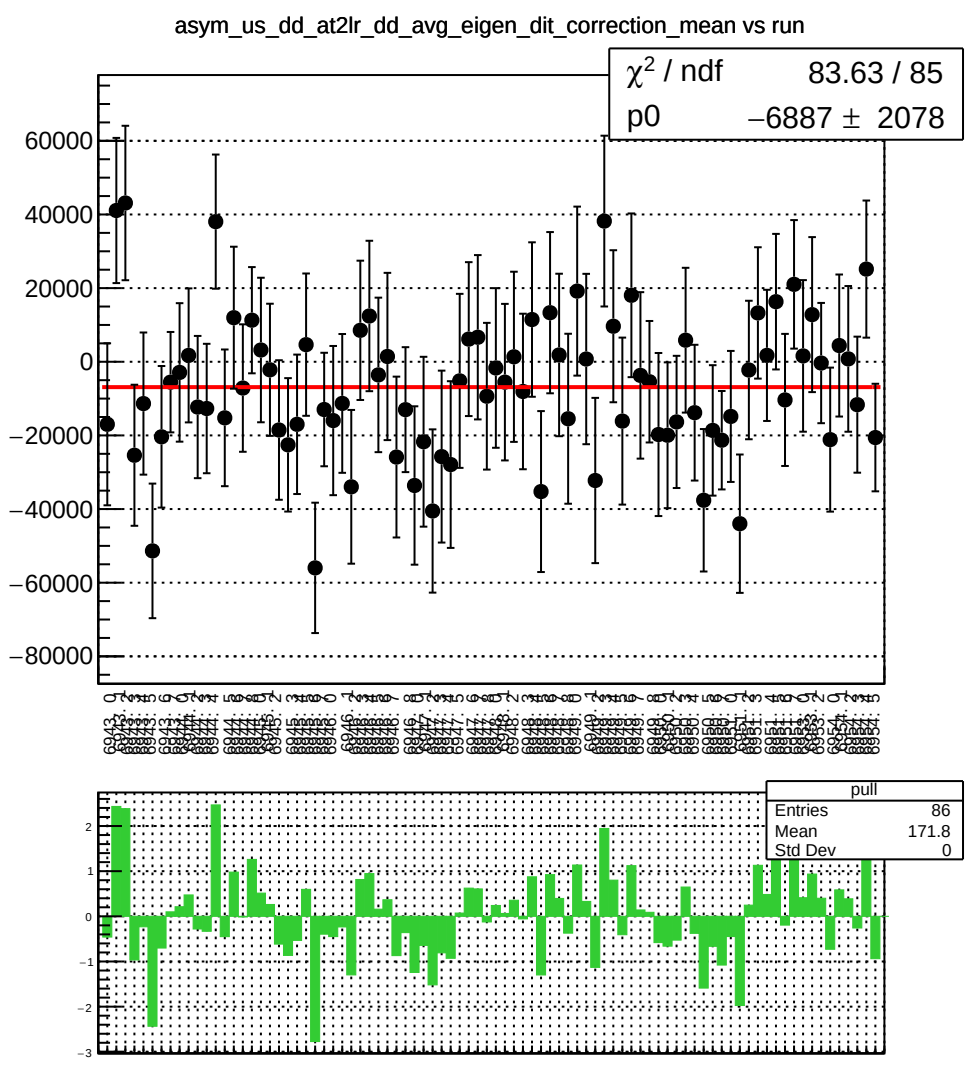

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 83.63 / 85
p0 −6887 ± 2078
pull
Entries 86
Mean 171.8
Std Dev 0

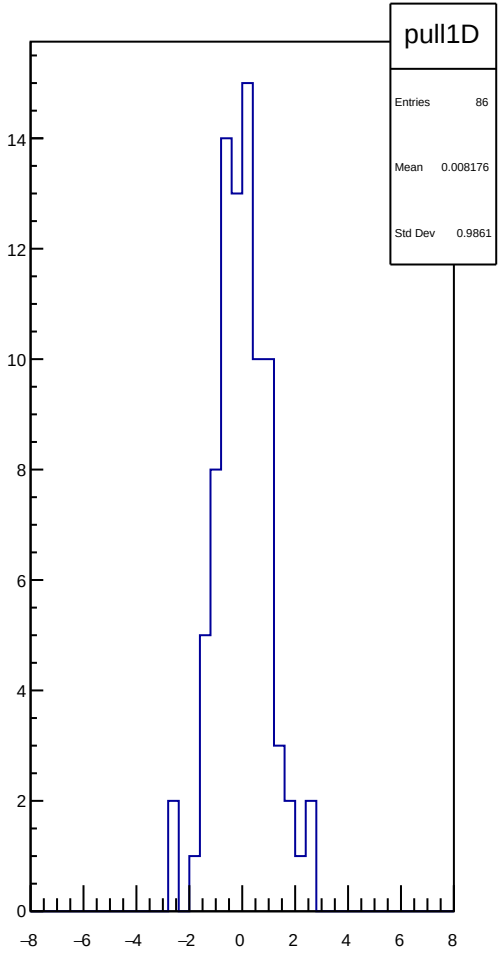

pull1D
Entries 86
Mean 0.008176
Std Dev 0.9861

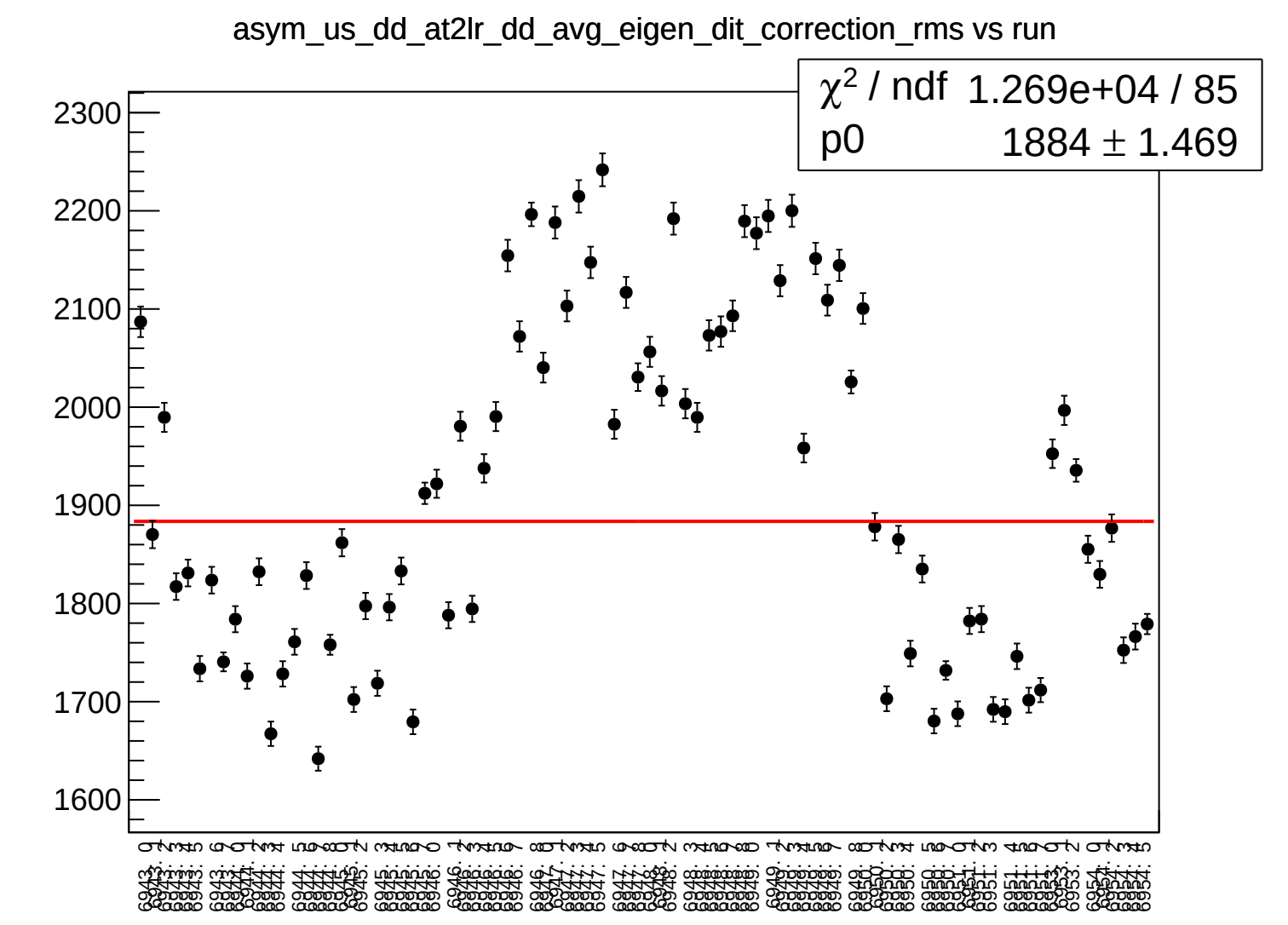

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.269e+04 / 85
p0 1884 ± 1.469
2300
2200
2100
2000
1900
1800
1700
1600

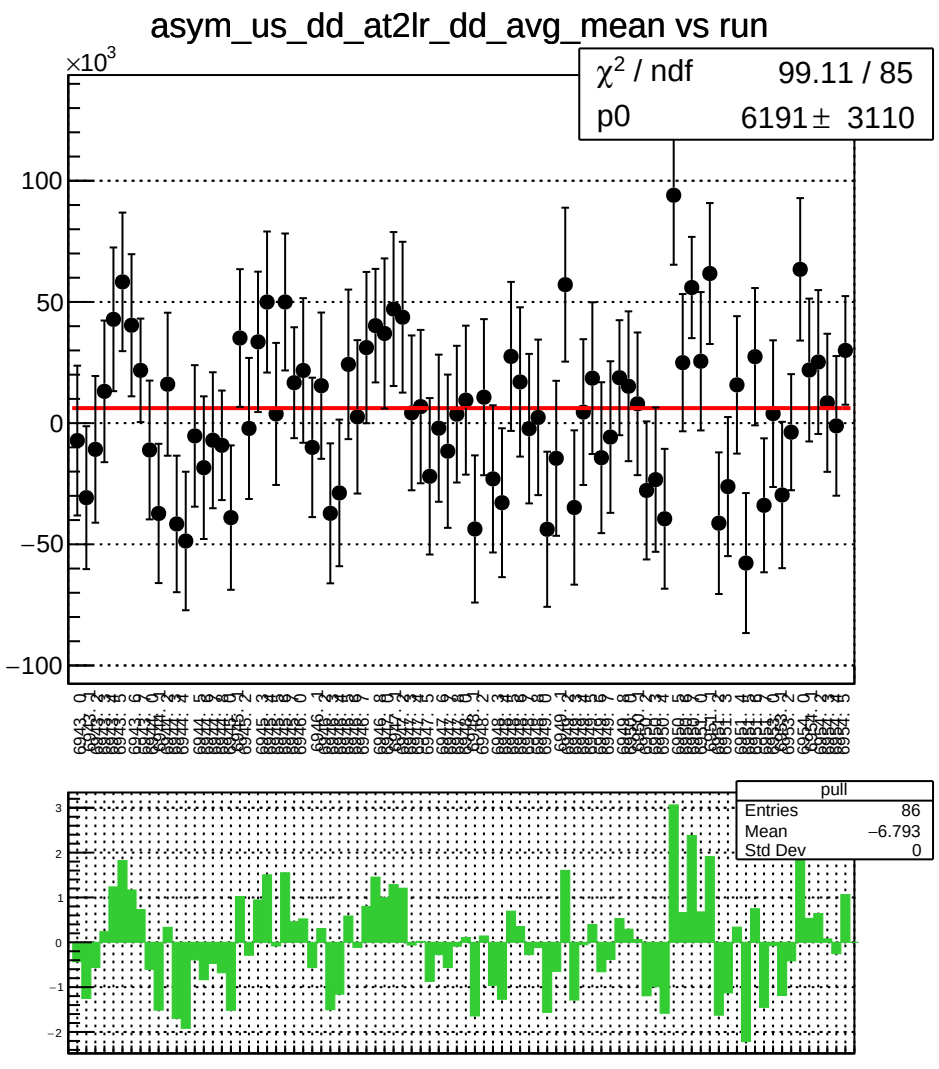

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 89.27 / 85
p0 −651.6 ± 2378
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −50.74
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.0245
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

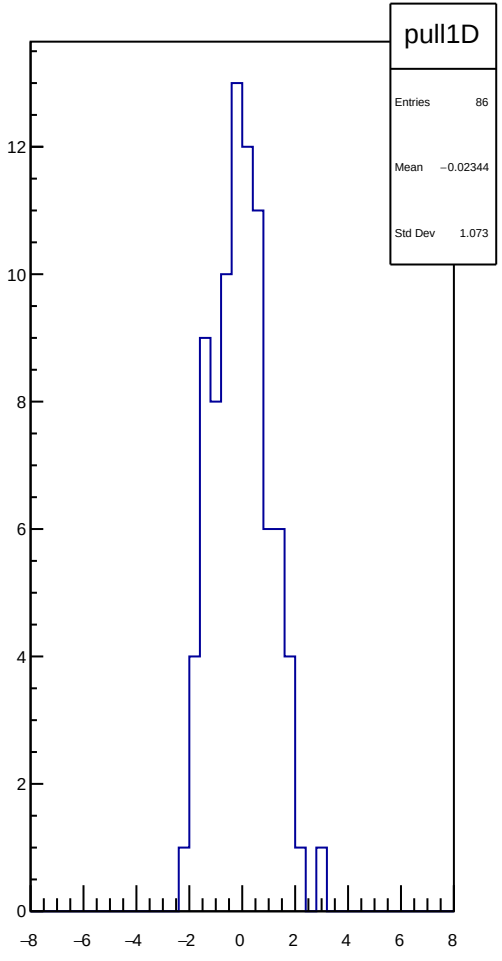

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 87.92 / 85
p0 2164 ± 1.682
2220
2200
2180
2160
2140
2120

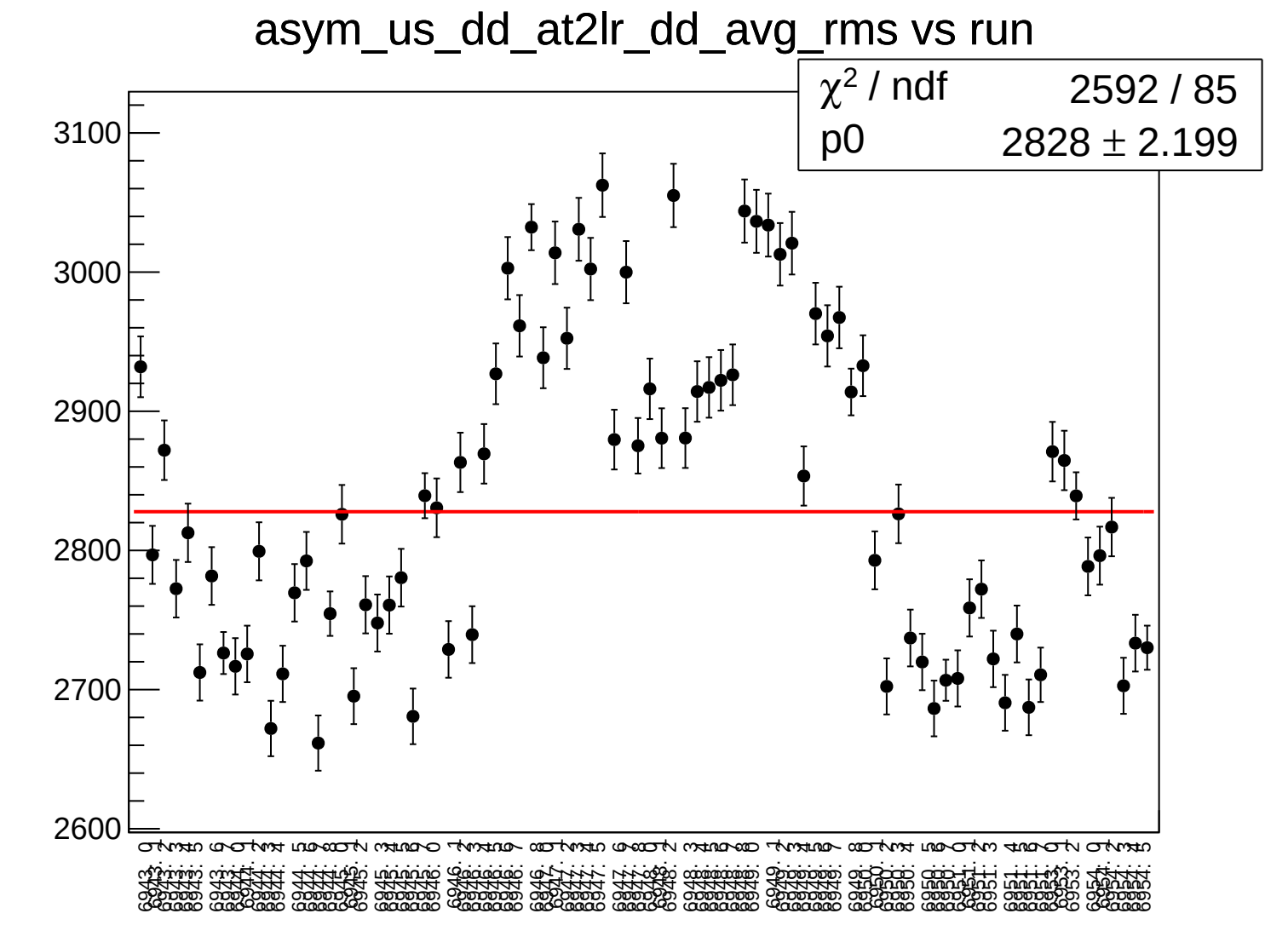

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.63 / 85
p0 −6887 ± 2078
pull
Entries 86
Mean 171.8
Std Dev 0

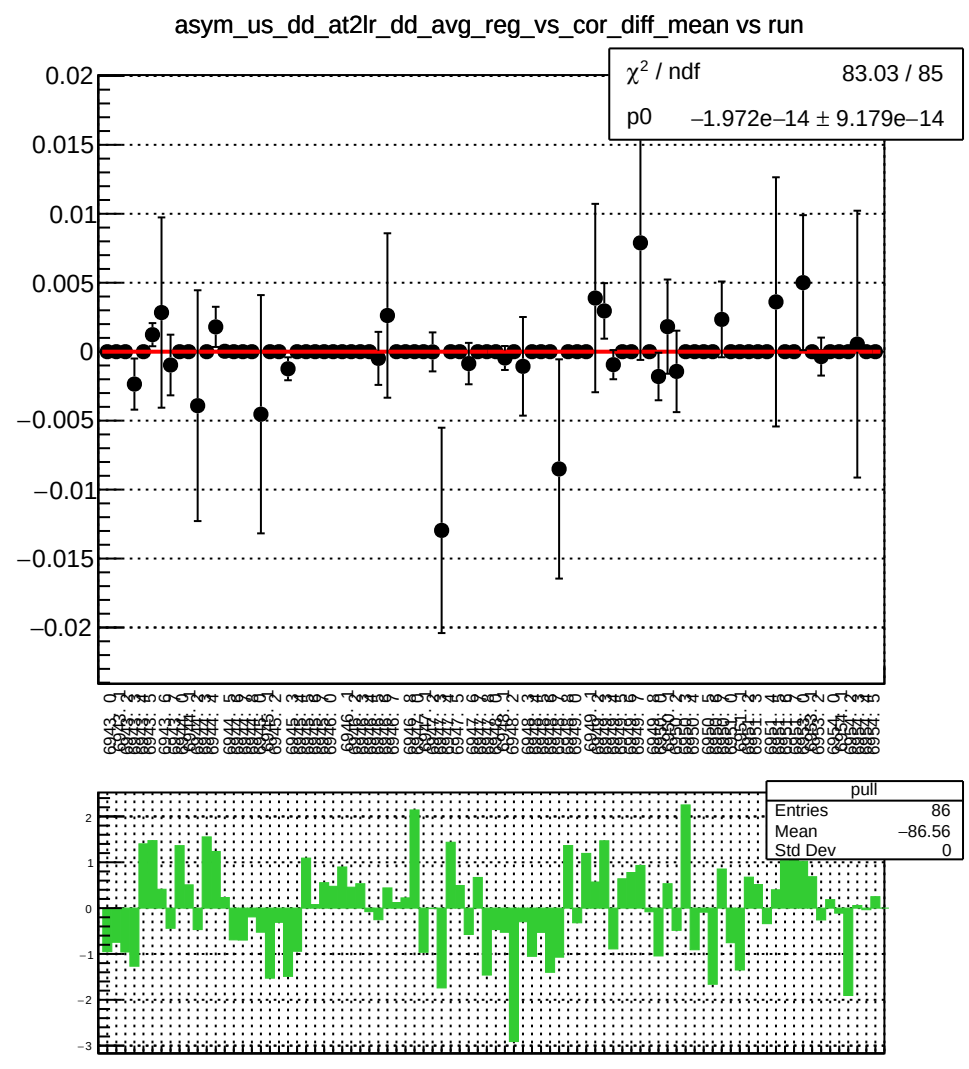

pull1D
Entries 86
Mean 0.008176
Std Dev 0.9861

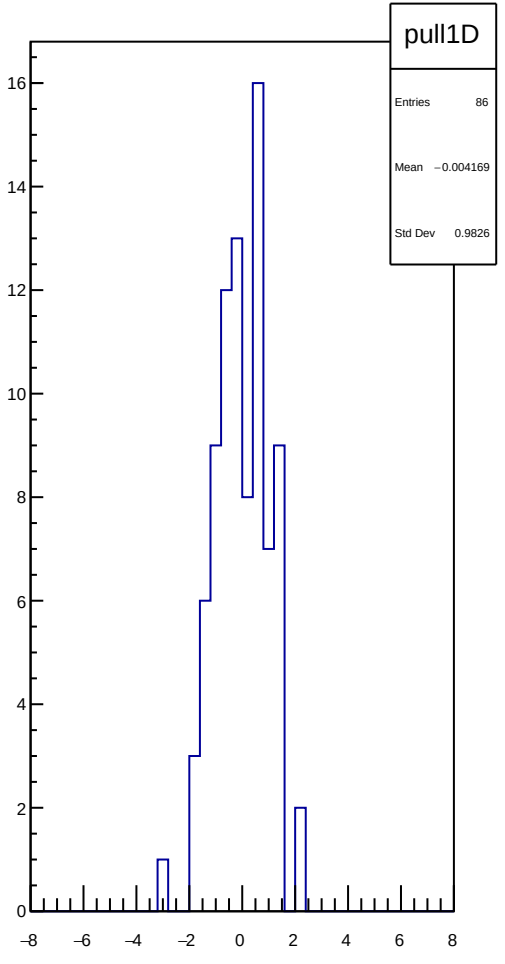

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.269e+04 / 85
p0 1884 ± 1.469
2300
2200
2100
2000
1900
1800
1700
1600

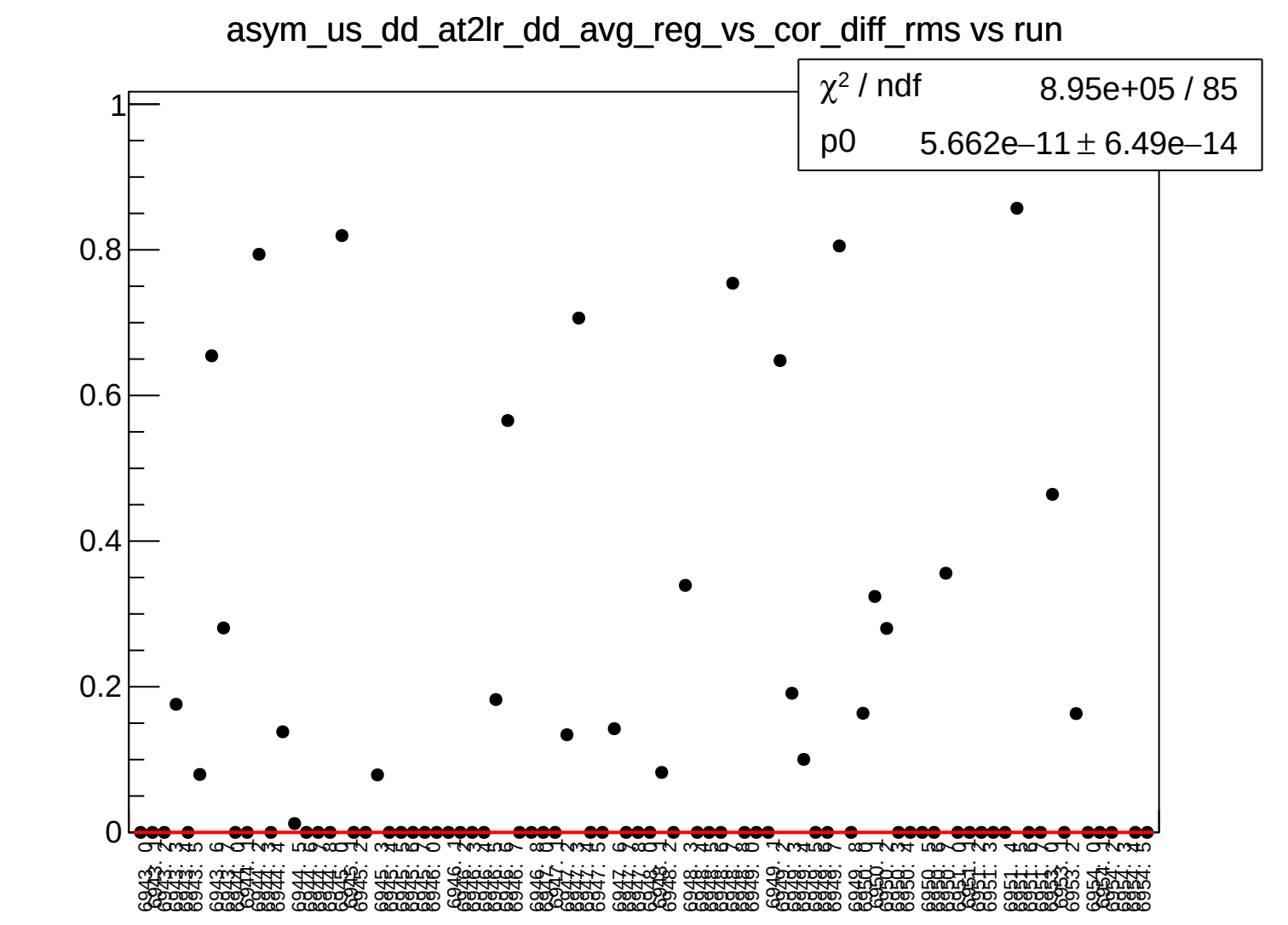

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 99.11 / 85
p0 6191 ± 3110
100
50
0
−50
−100
pull
Entries 86
Mean −6.793
Std Dev 0
3
2
1
0
−1
−2

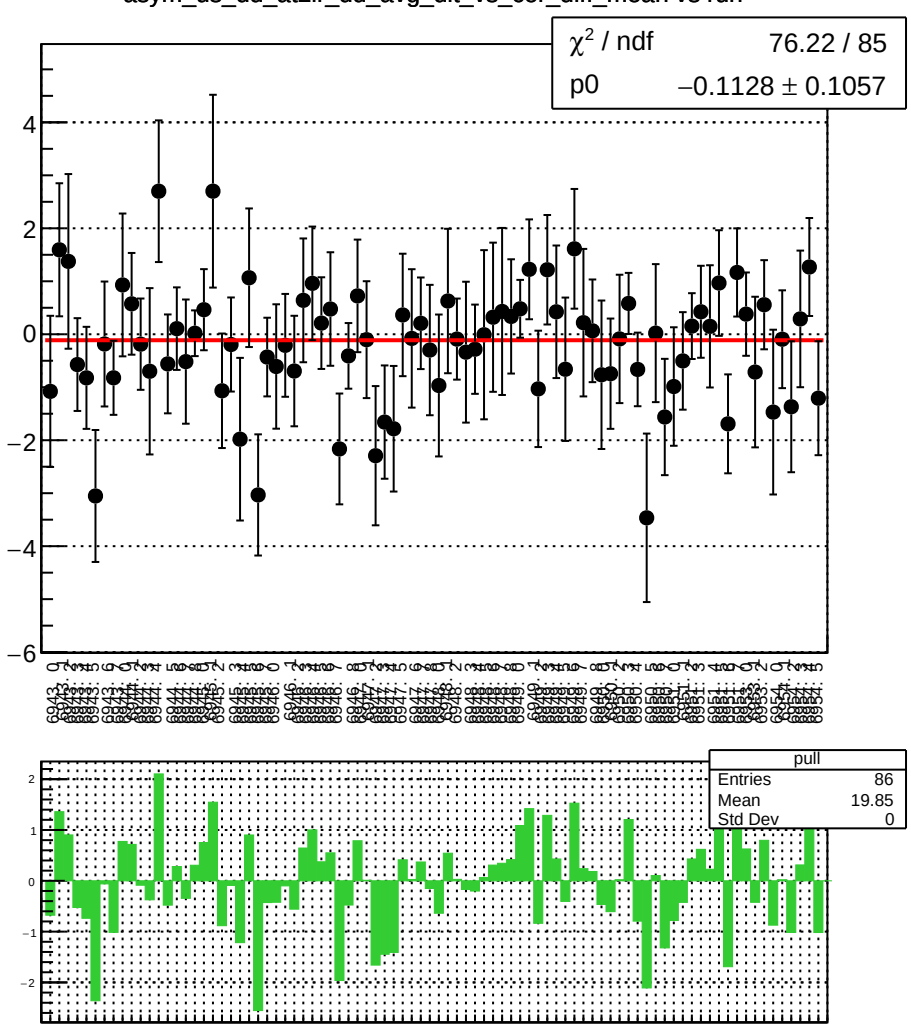

pull1D
Entries 86
Mean −0.02344
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

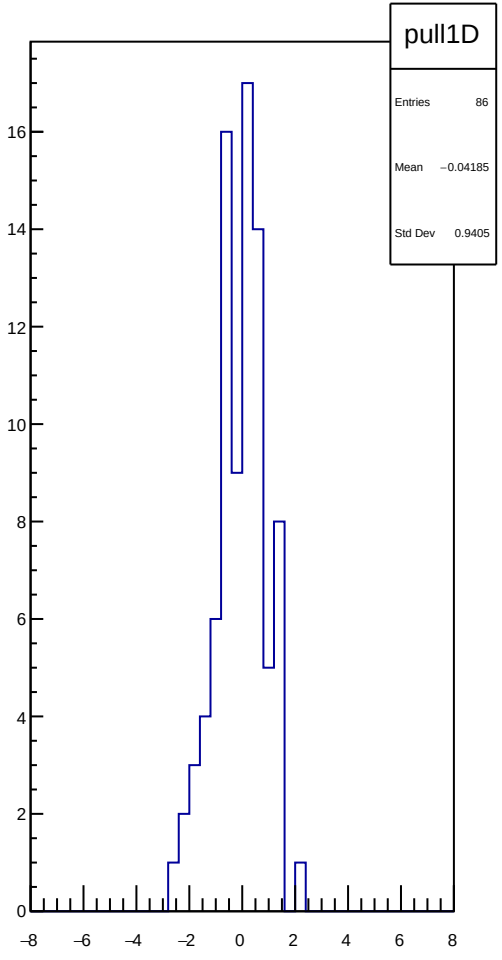

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2592 / 85
p0 2828 ± 2.199
3100
3000
2900
2800
2700
2600

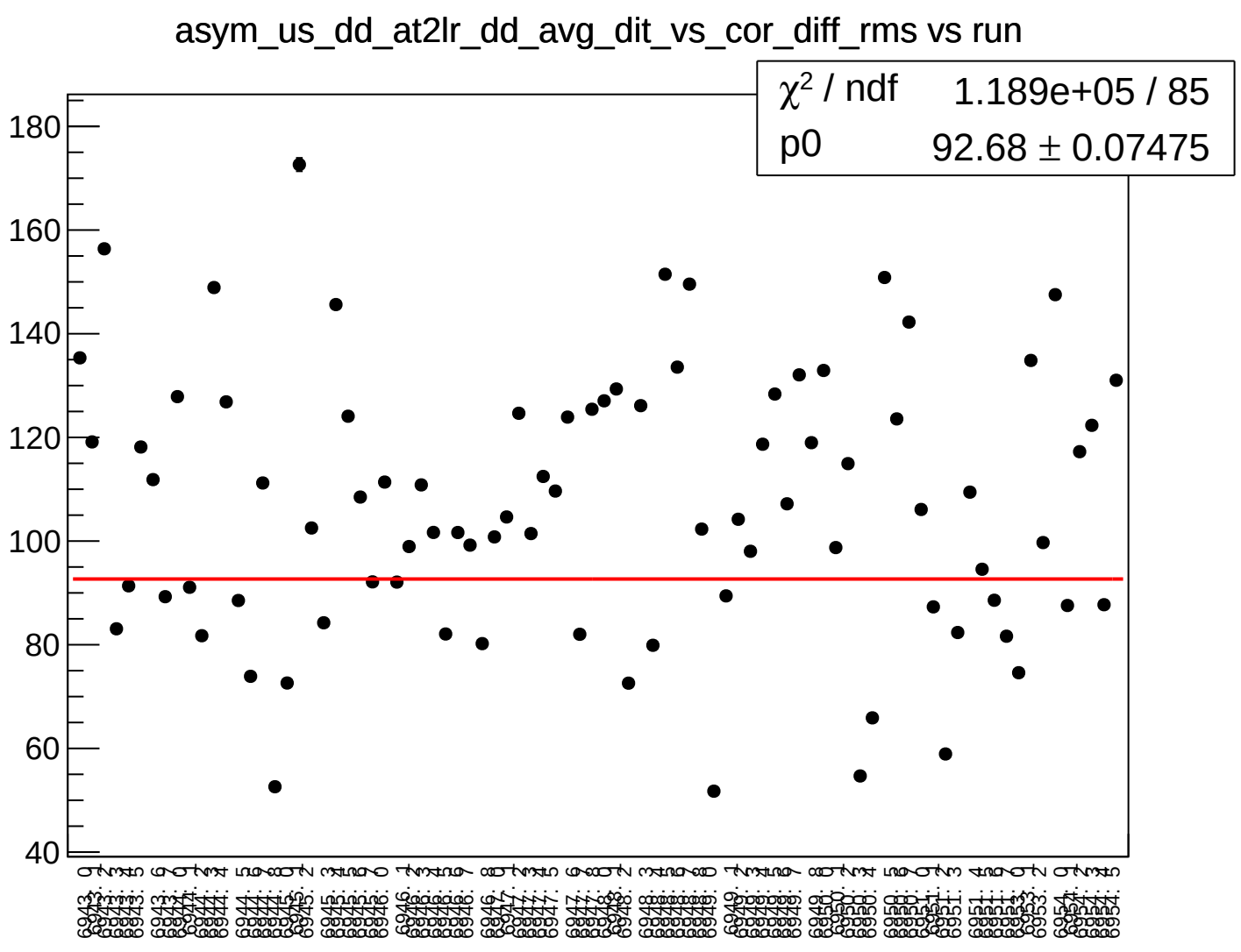

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.03 / 85
p0 −1.972e−14 ± 9.179e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 86
Mean −86.56
Std Dev 0
2
1
0
−1
−2
−3

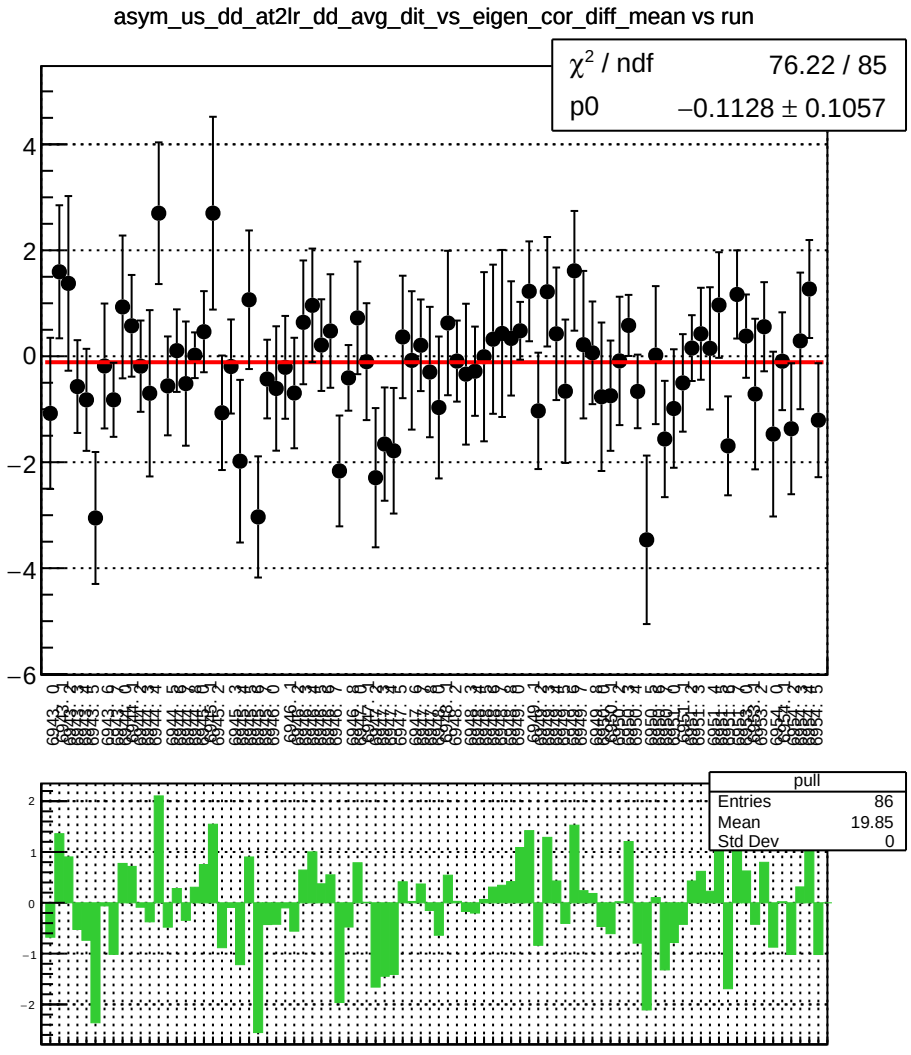

pull1D
Entries 86
Mean −0.004169
Std Dev 0.9826
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

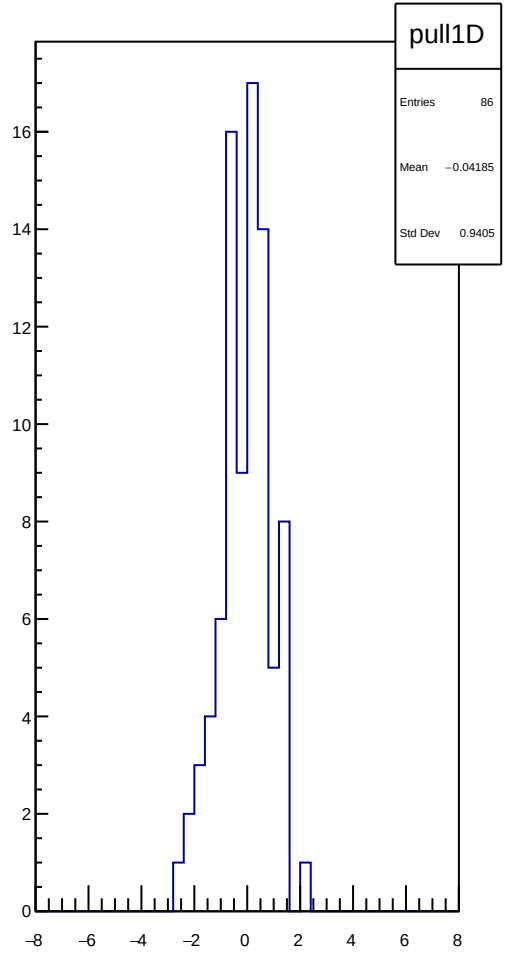

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.95e+05 / 85
p0 5.662e−11 ± 6.49e−14
1
0.8
0.6
0.4
0.2
0

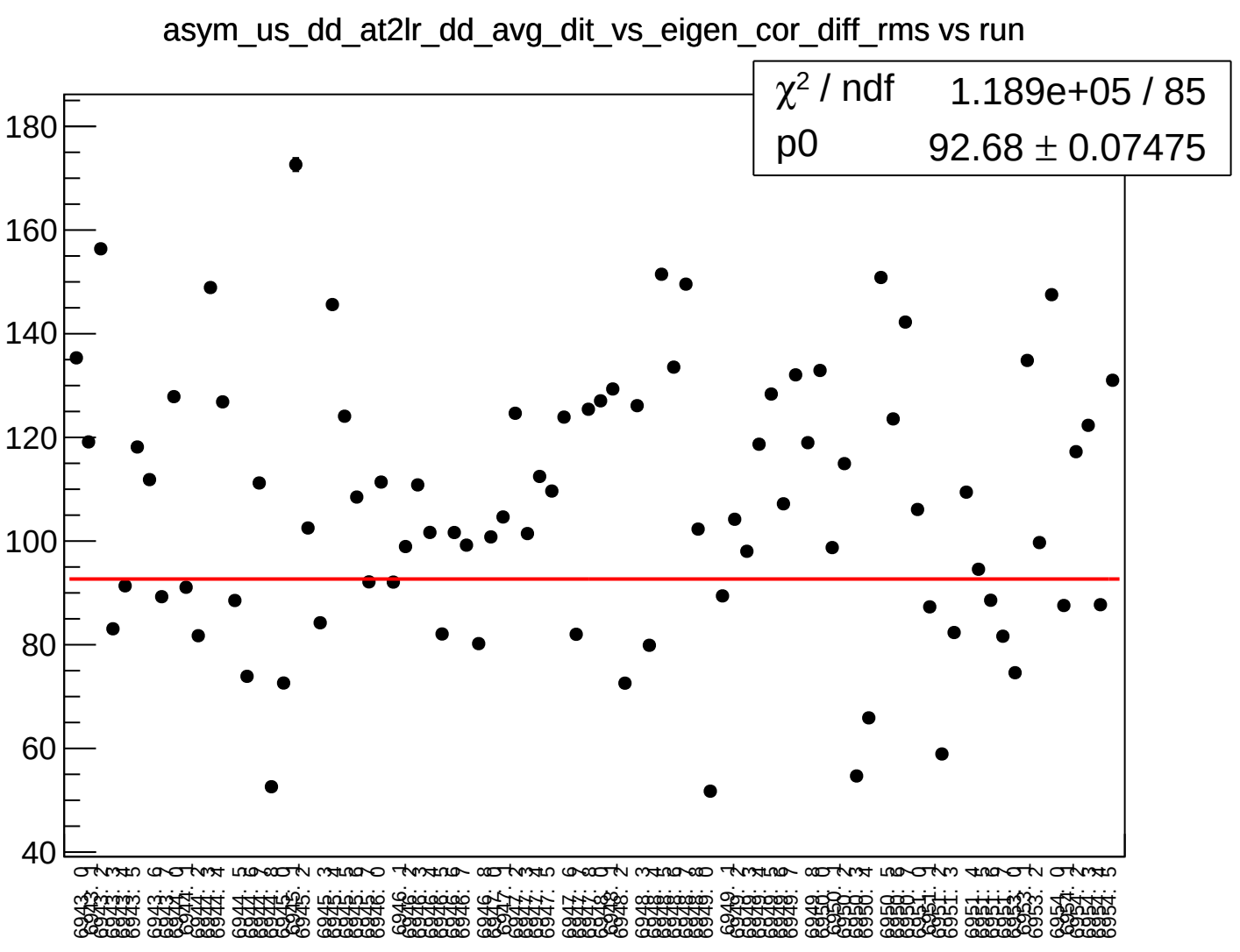

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.22 / 85
p0 −0.1128 ± 0.1057
pull
Entries 86
Mean 19.85
Std Dev 0

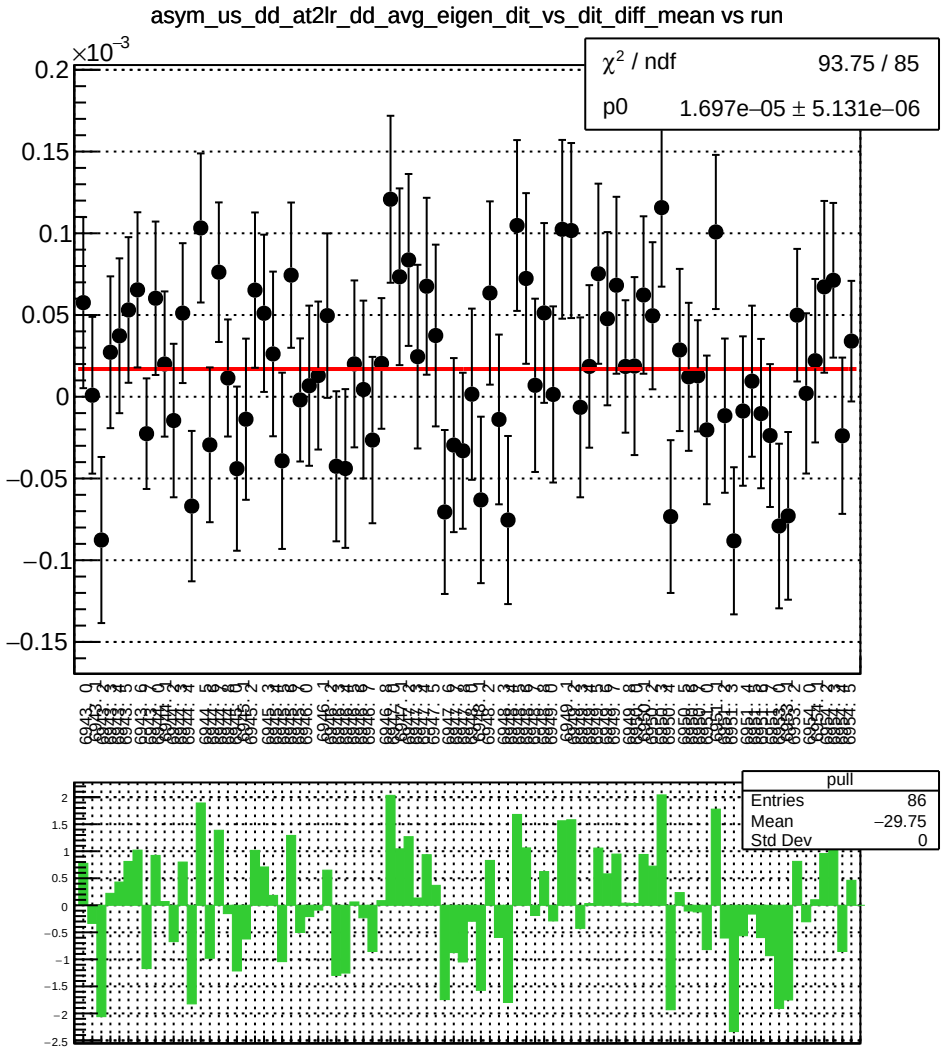

pull1D
Entries 86
Mean −0.04185
Std Dev 0.9405

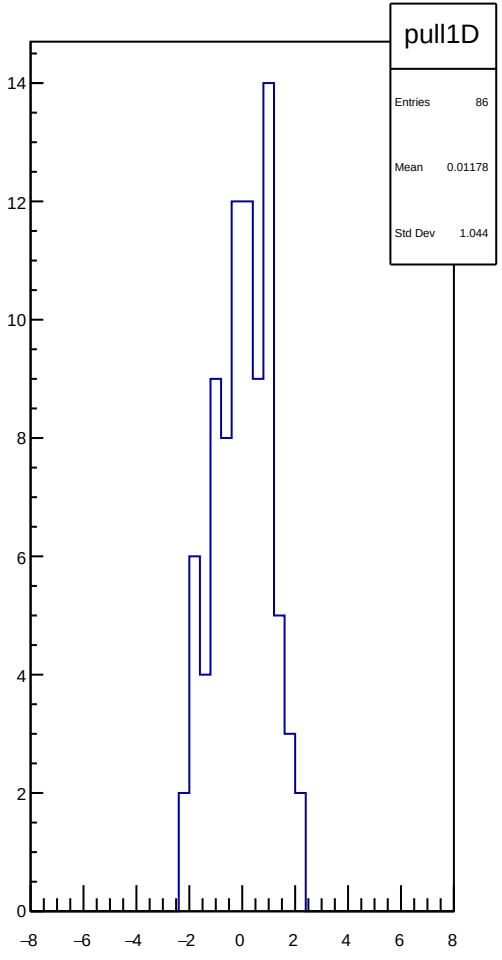

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.189e+05 / 85
p0 92.68 ± 0.07475
180
160
140
120
100
80
60
40

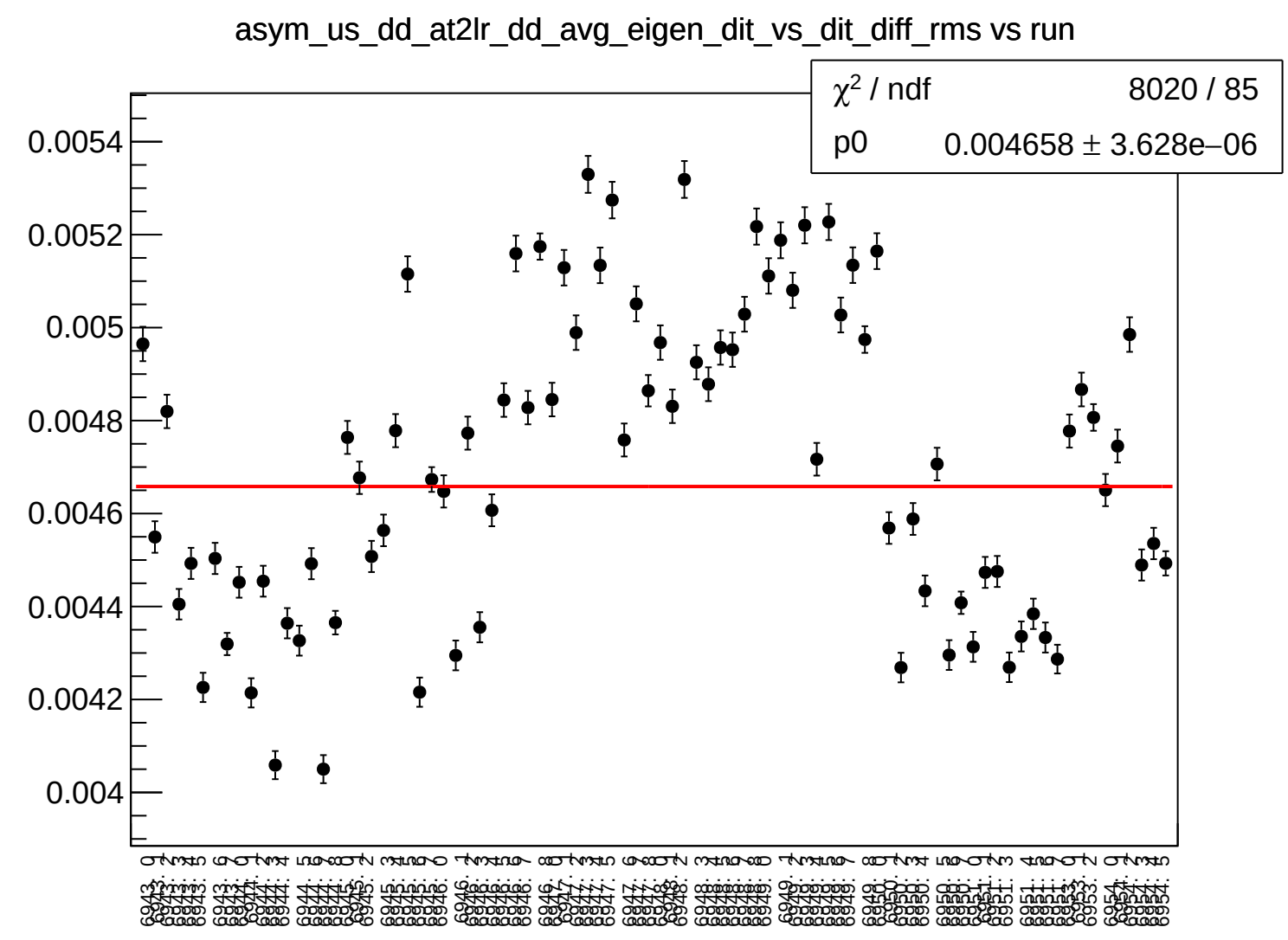

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.22 / 85
p0 −0.1128 ± 0.1057
pull
Entries 86
Mean 19.85
Std Dev 0

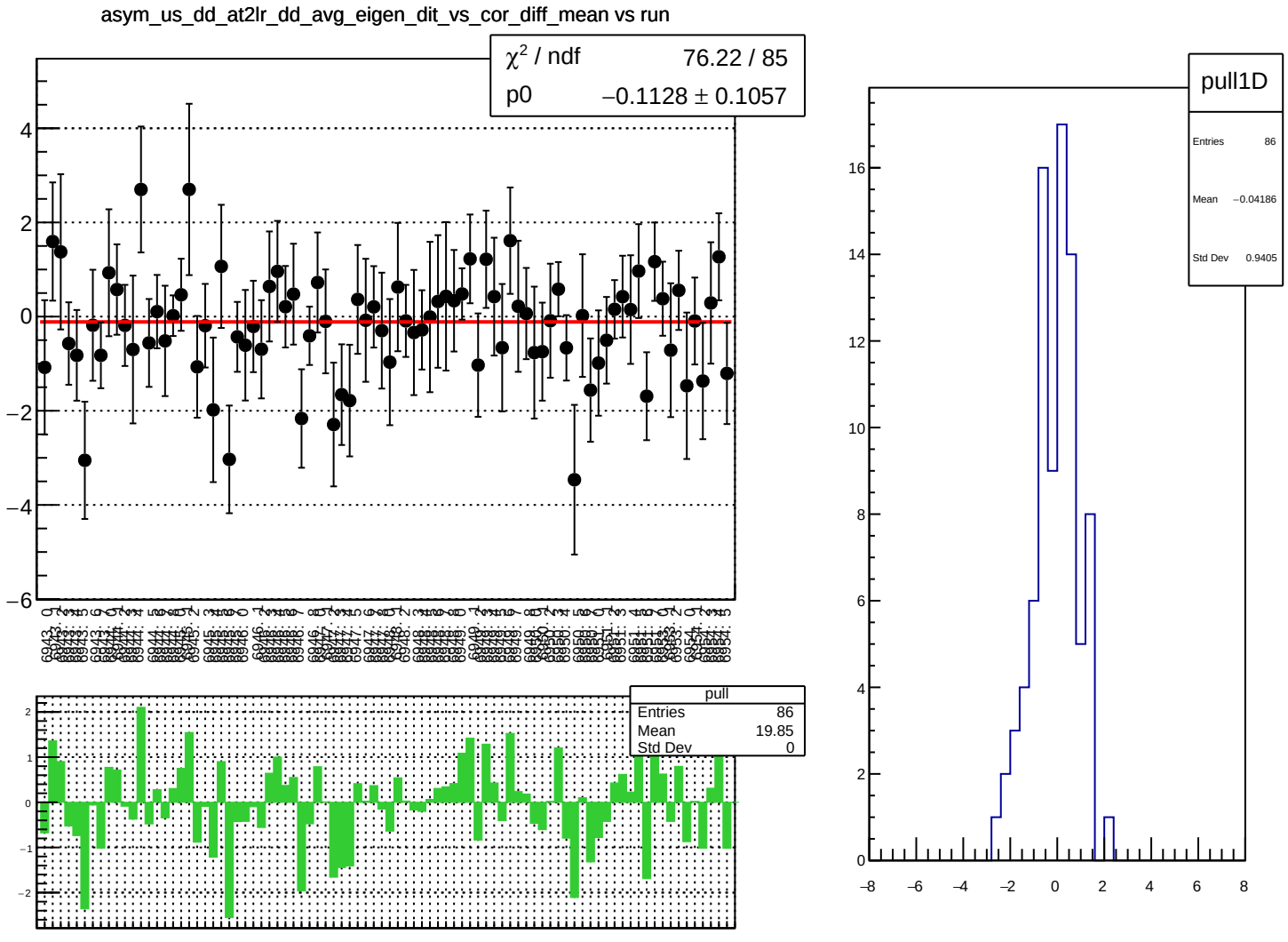

pull1D
Entries 86
Mean −0.04185
Std Dev 0.9405

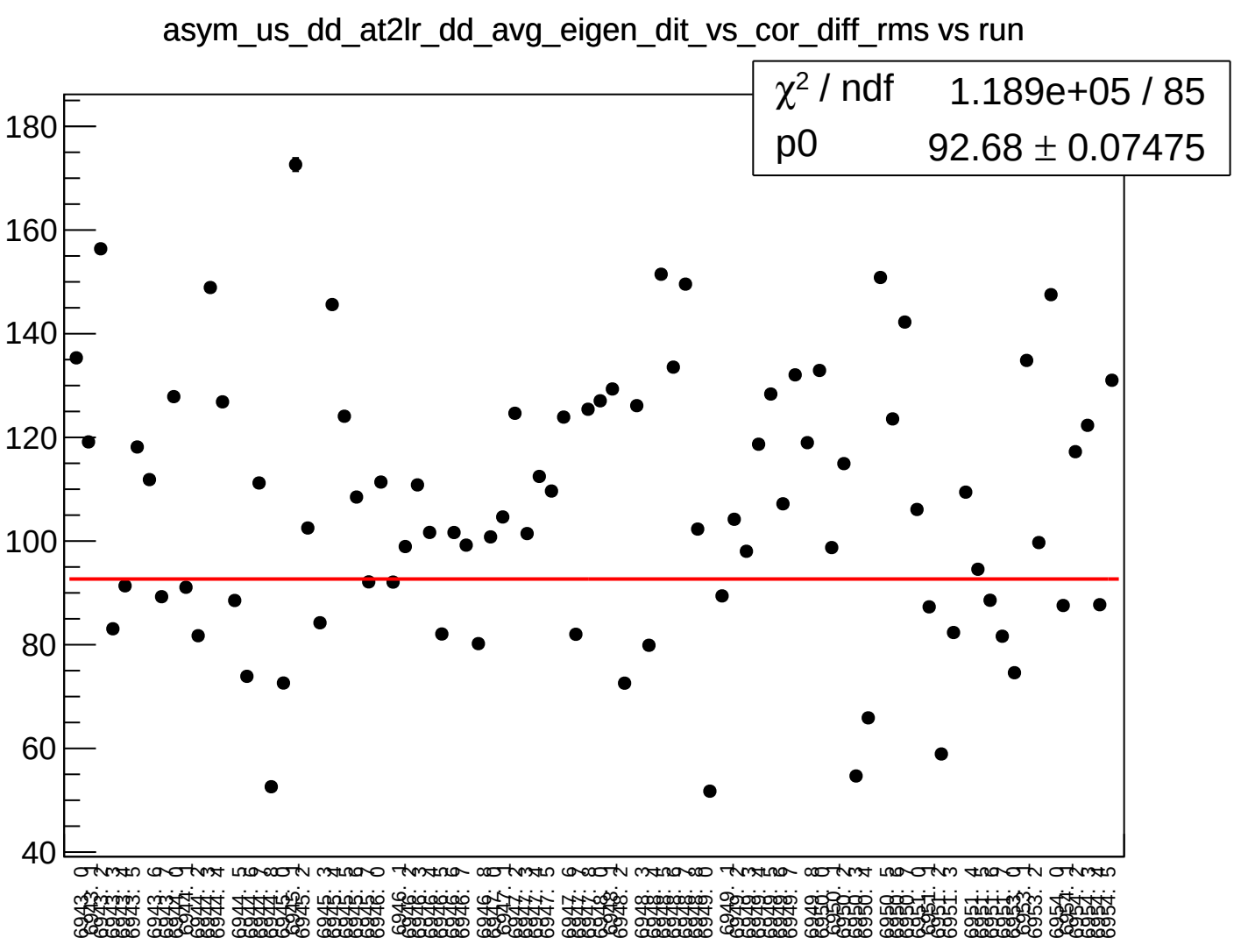

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.189e+05 / 85
p0 92.68 ± 0.07475
180
160
140
120
100
80
60
40

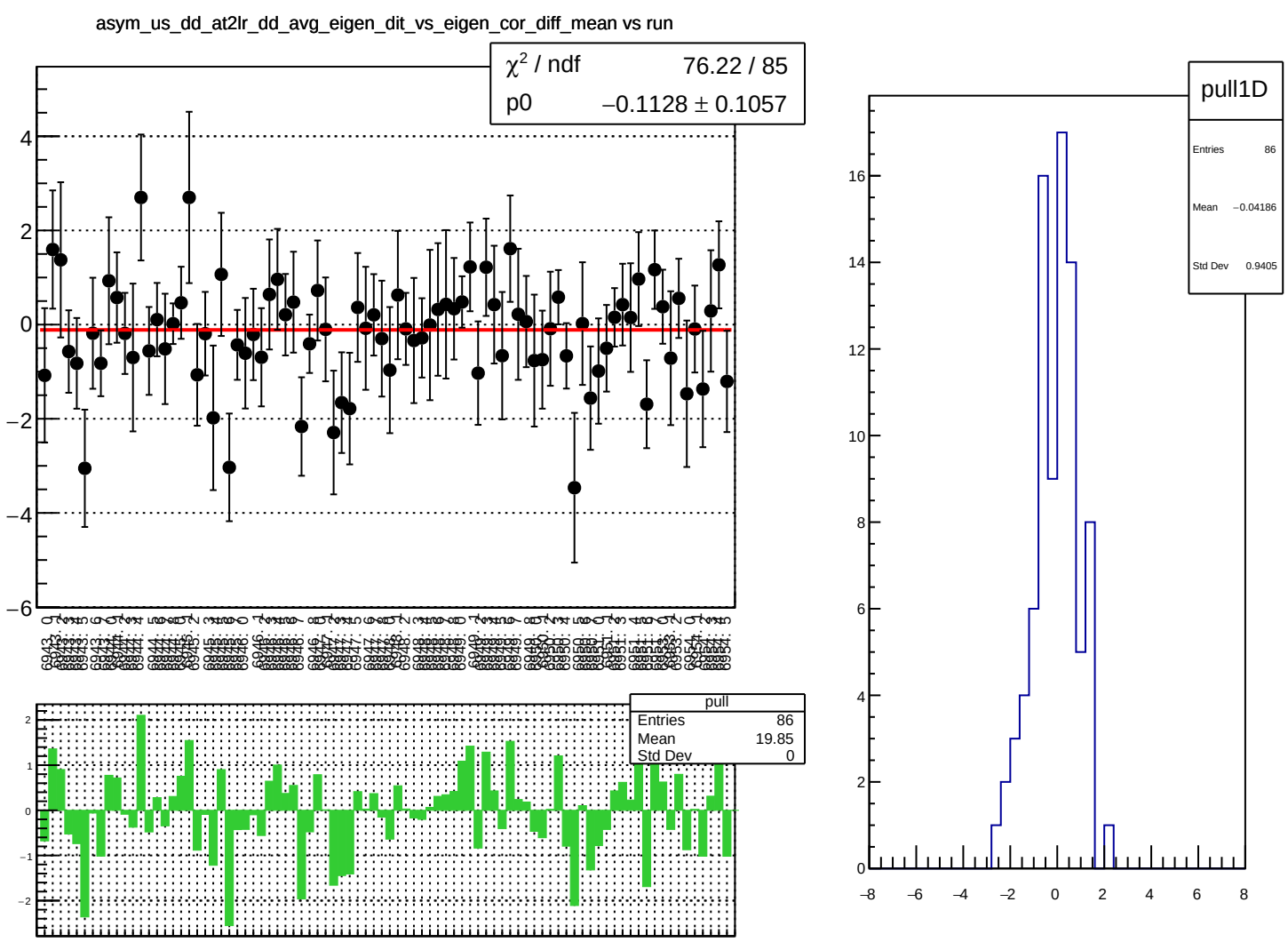

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.75 / 85
p0 1.697e−05 ± 5.131e−06
pull
Entries 86
Mean −29.75
Std Dev 0

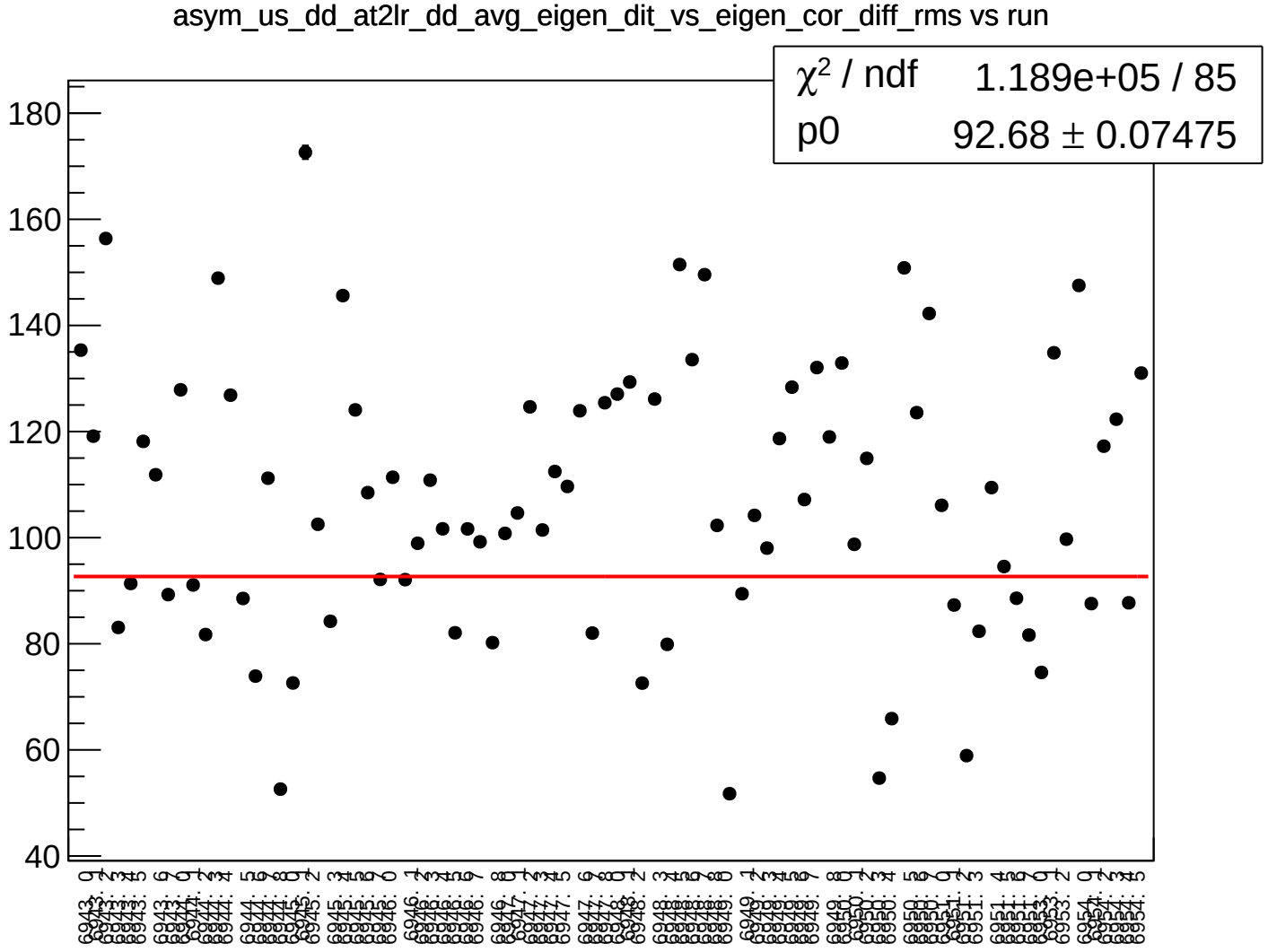

pull1D
Entries 86
Mean 0.01178
Std Dev 1.044

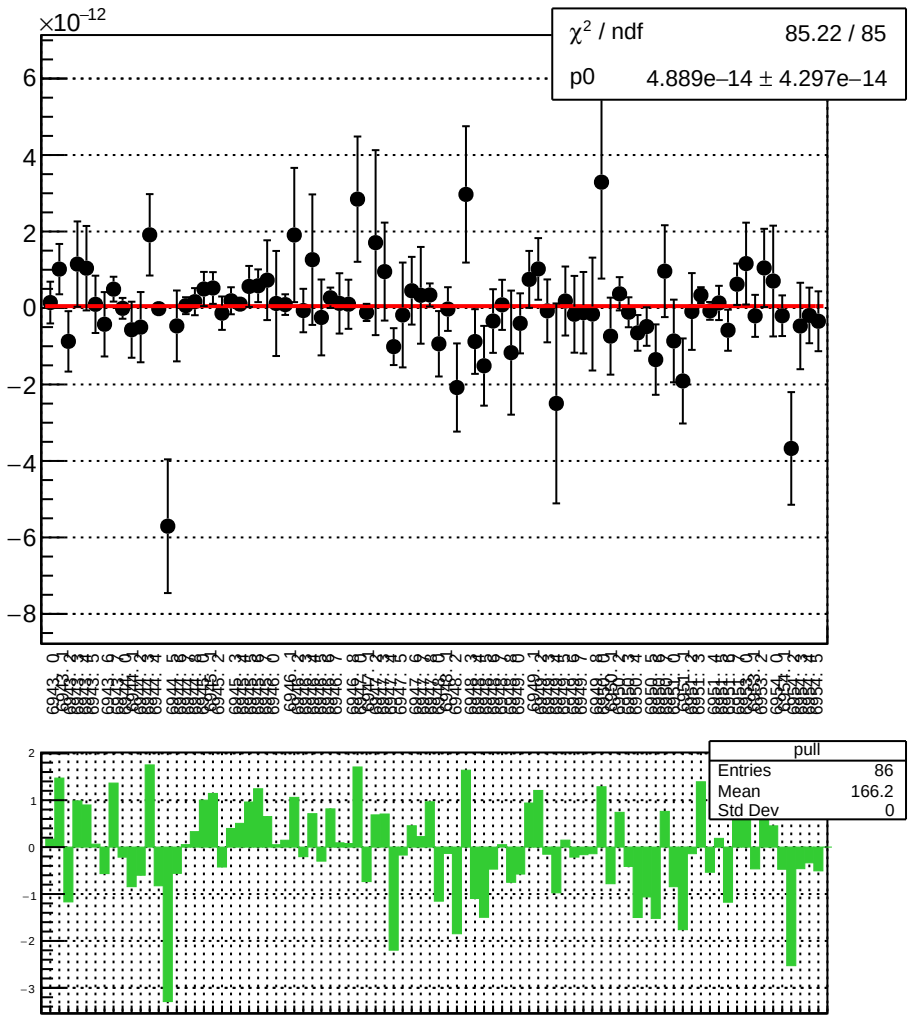

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8020 / 85
p0 0.004658 ± 3.628e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004

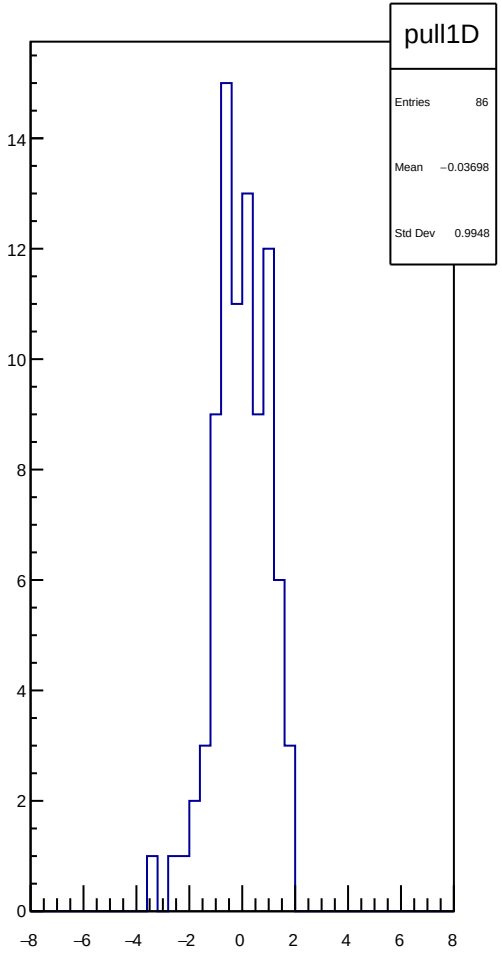

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.22 / 85
p0 −0.1128 ± 0.1057
pull
Entries 86
Mean 19.85
Std Dev 0
pull1D
Entries 86
Mean −0.04186
Std Dev 0.9405

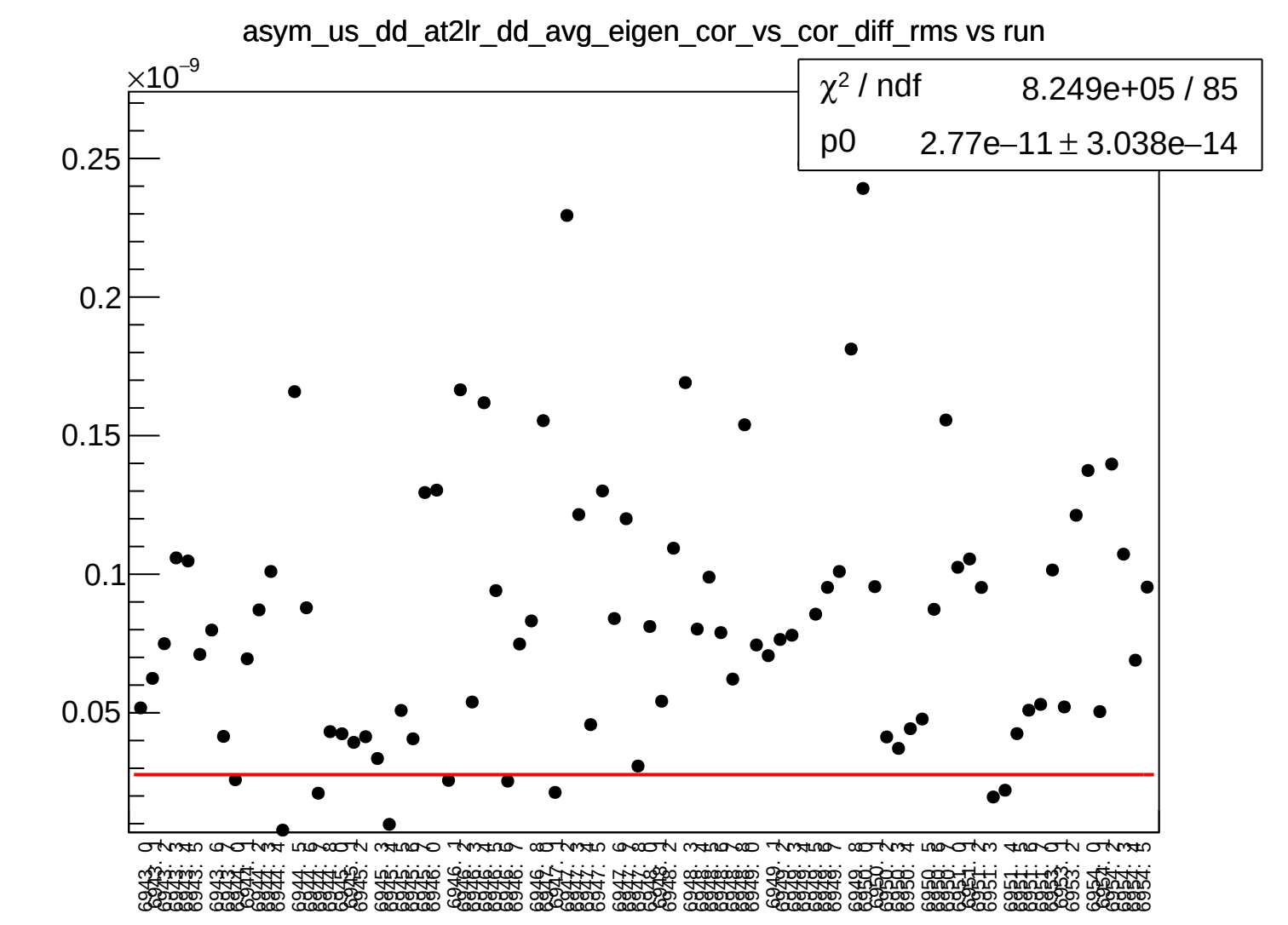

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.189e+05 / 85
p0 92.68 ± 0.07475
180
160
140
120
100
80
60
40

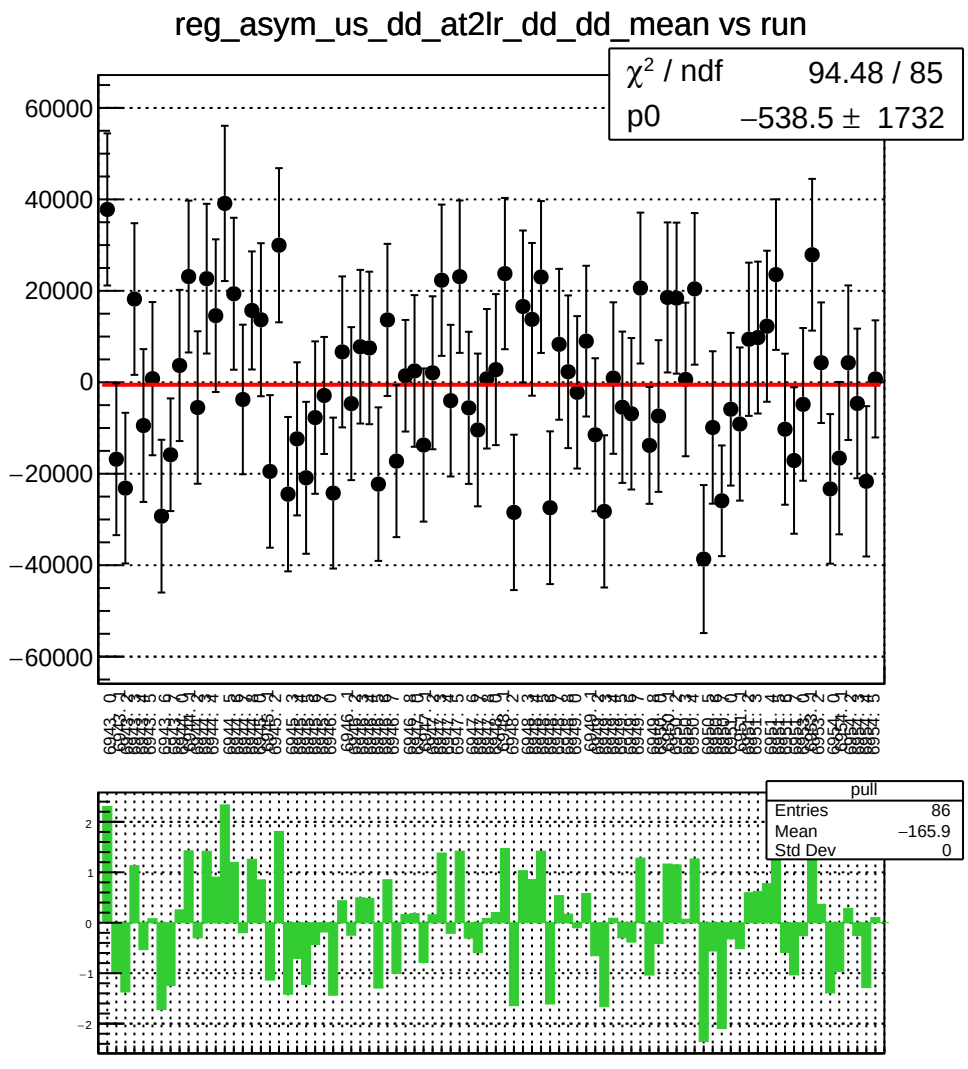

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.22 / 85
p0 −0.1128 ± 0.1057
pull
Entries 86
Mean 19.85
Std Dev 0
pull1D
Entries 86
Mean −0.04186
Std Dev 0.9405

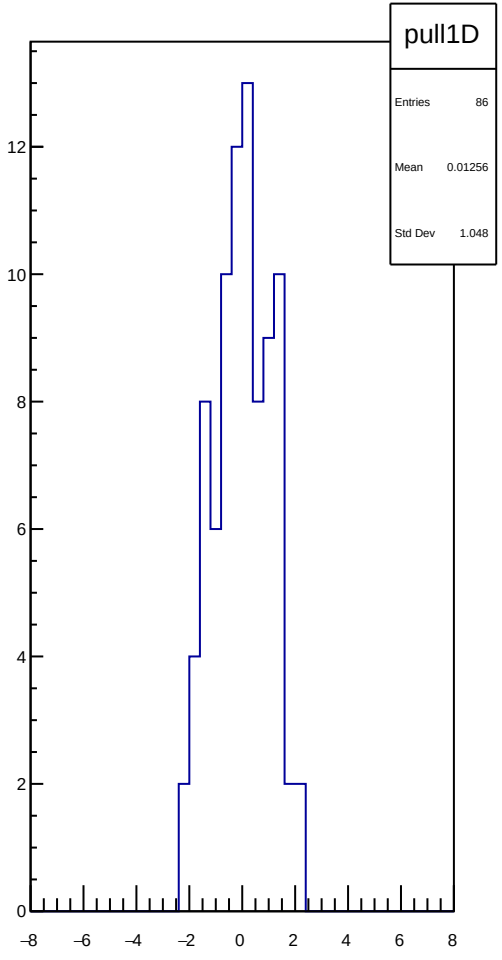

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.189e+05 / 85
p0 92.68 ± 0.07475
180
160
140
120
100
80
60
40

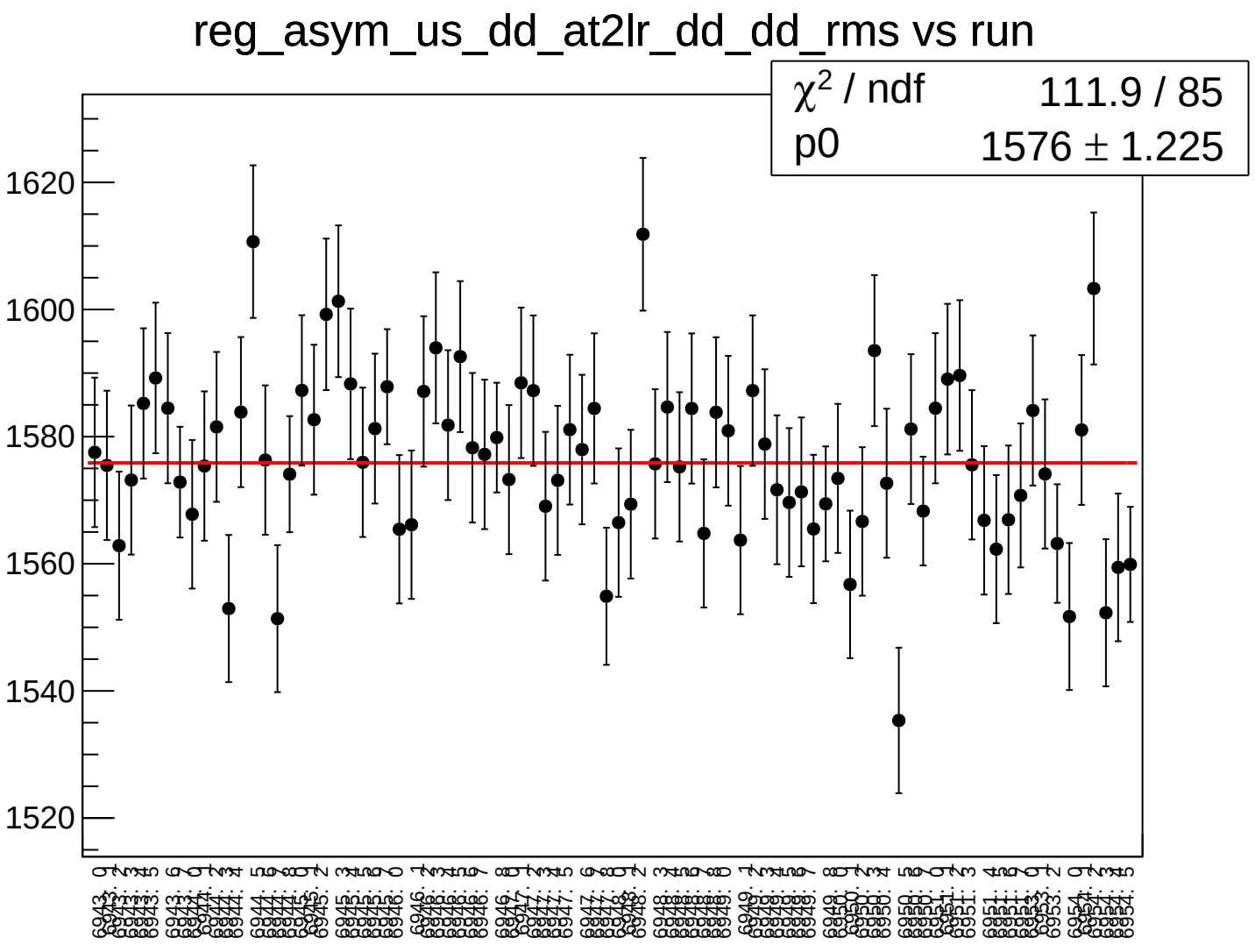

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.22 / 85
p0 4.889e−14 ± 4.297e−14
pull
Entries 86
Mean 166.2
Std Dev 0

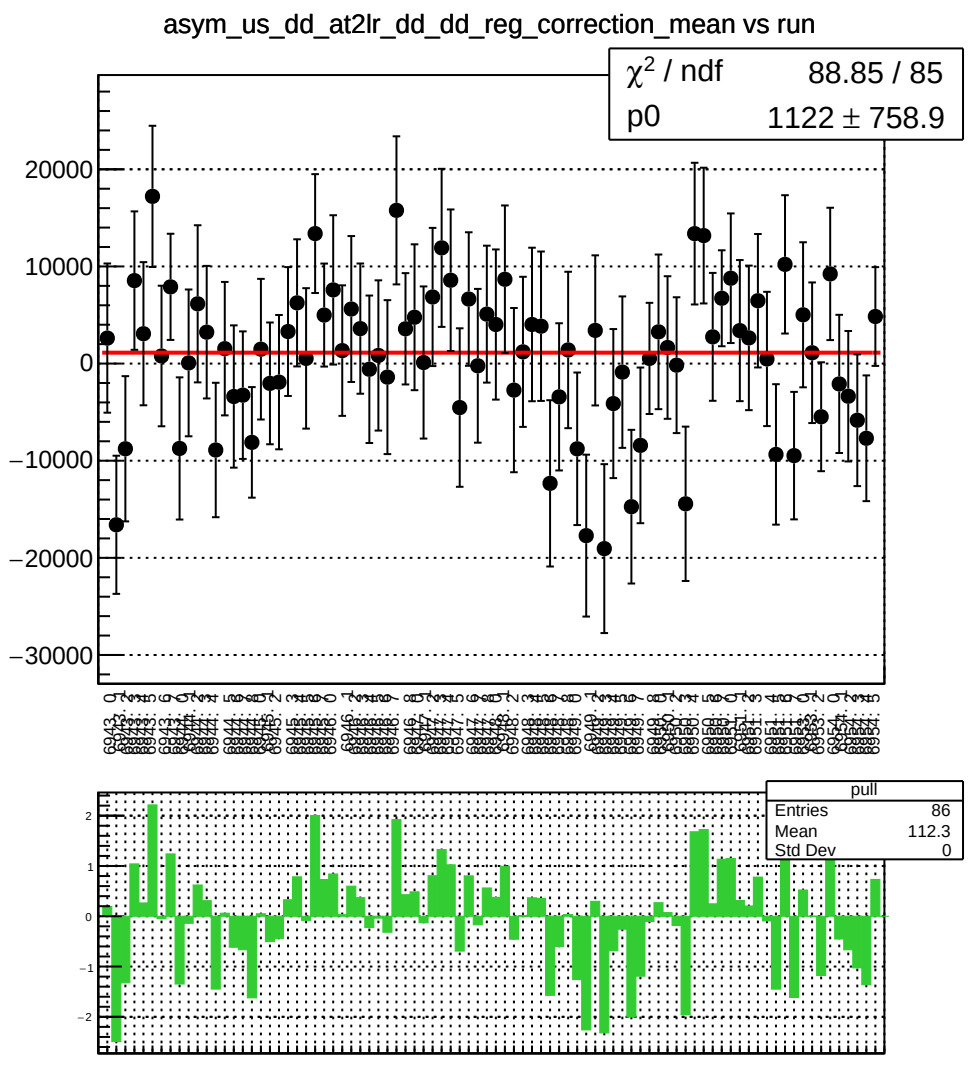

pull1D
Entries 86
Mean −0.03698
Std Dev 0.9948

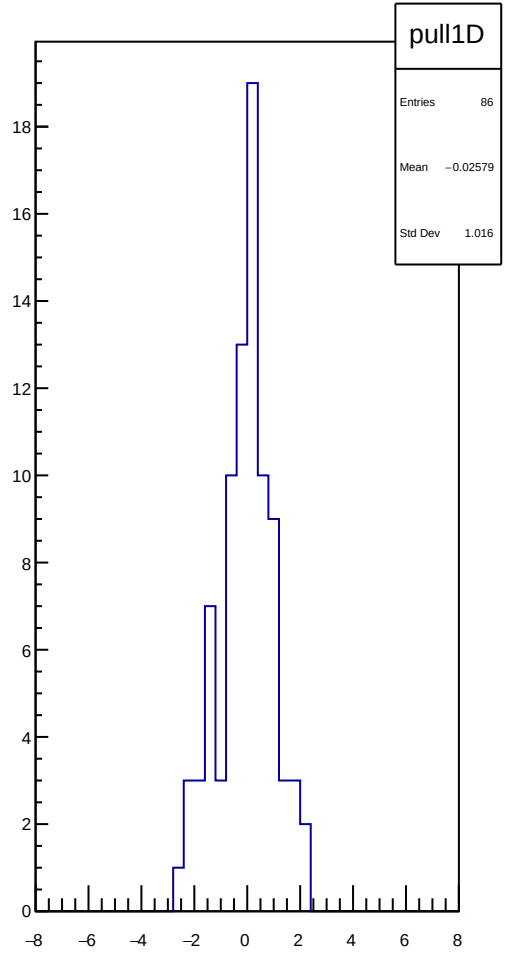

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.249e+05 / 85
p0 2.77e−11 ± 3.038e−14
0.25
0.2
0.15
0.1
0.05

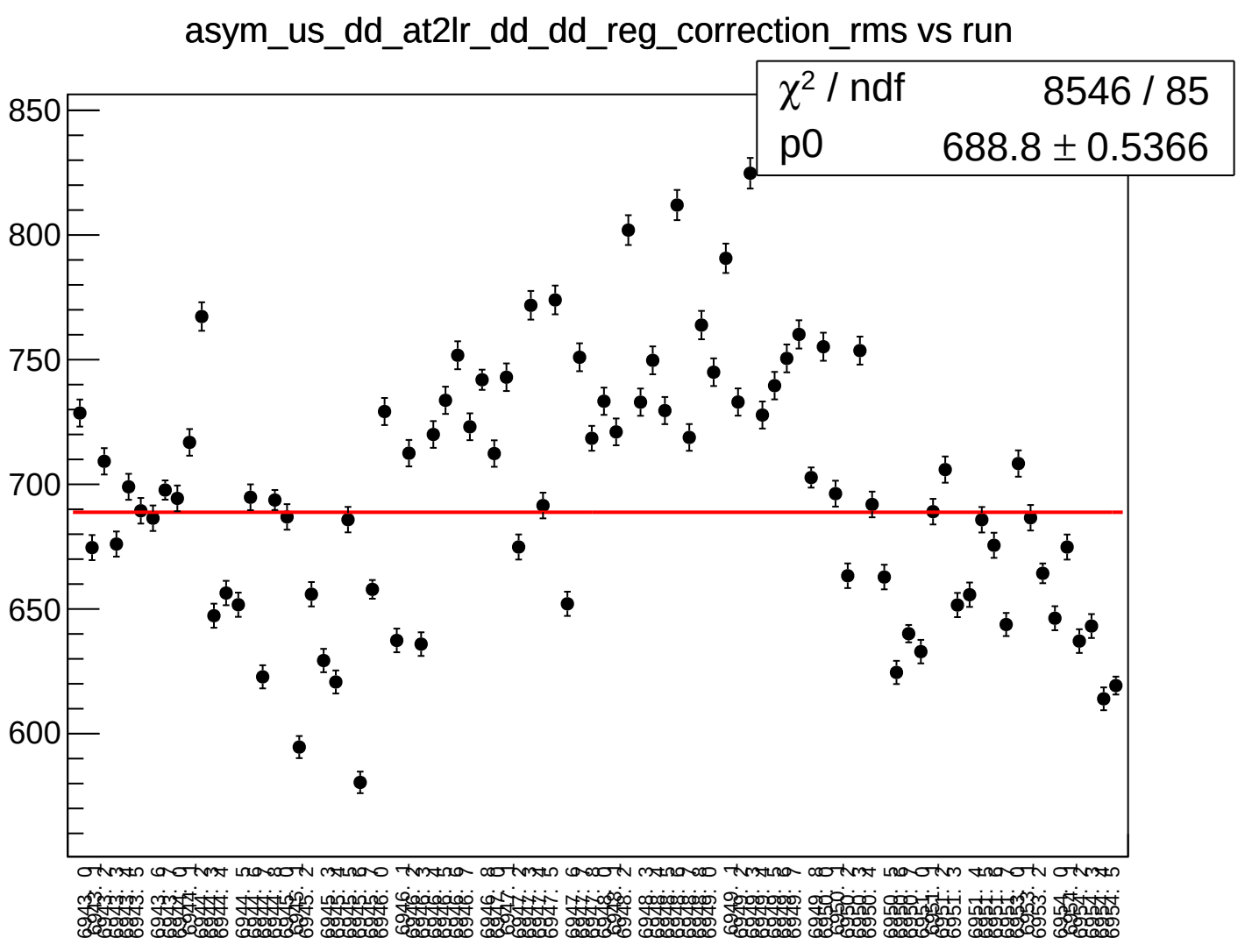

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 94.48 / 85
p0 −538.5 ± 1732
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −165.9
Std Dev 0
2
1
0
−1
−2

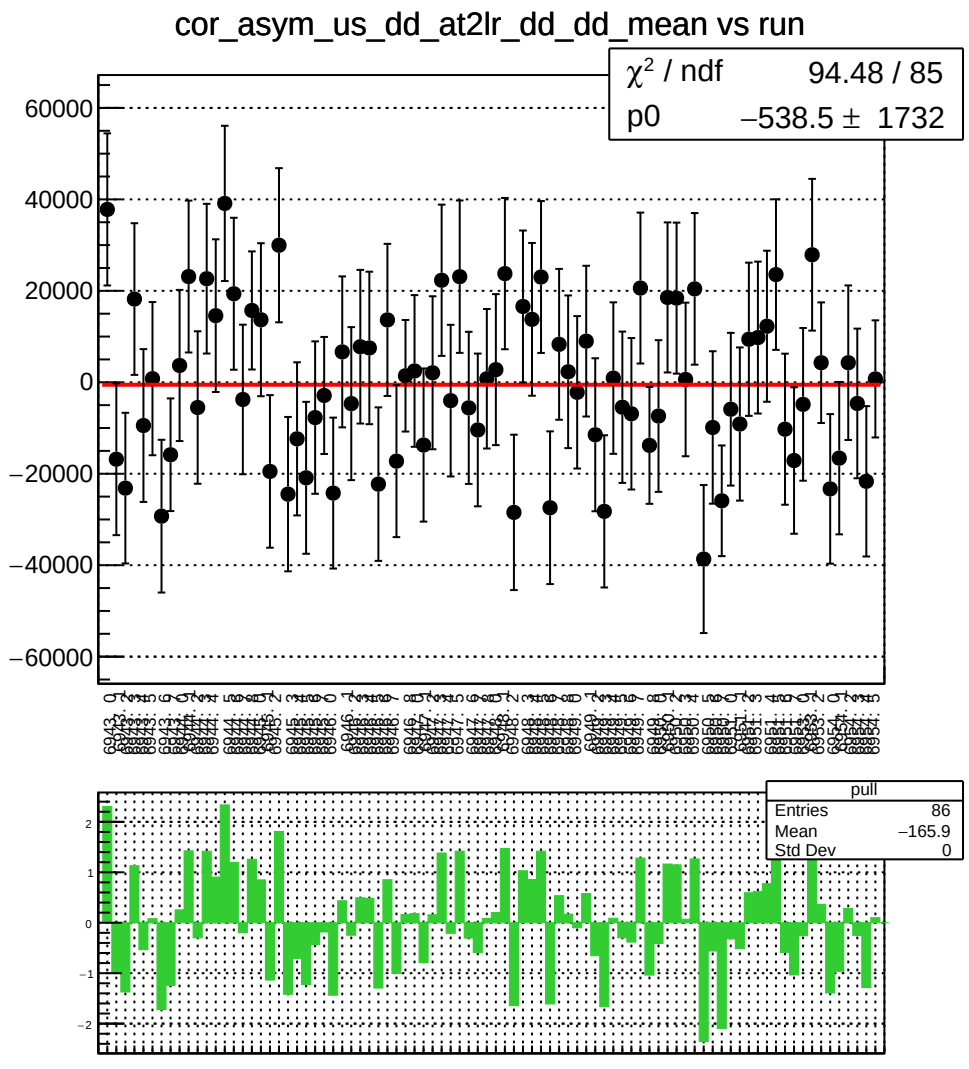

pull1D
Entries 86
Mean 0.01256
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

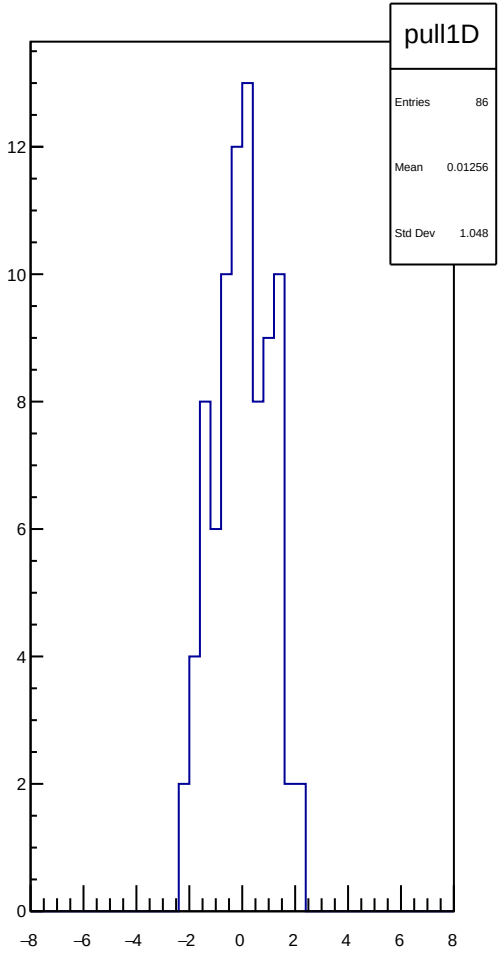

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 111.9 / 85
p0 1576 ± 1.225
1620
1600
1580
1560
1540
1520

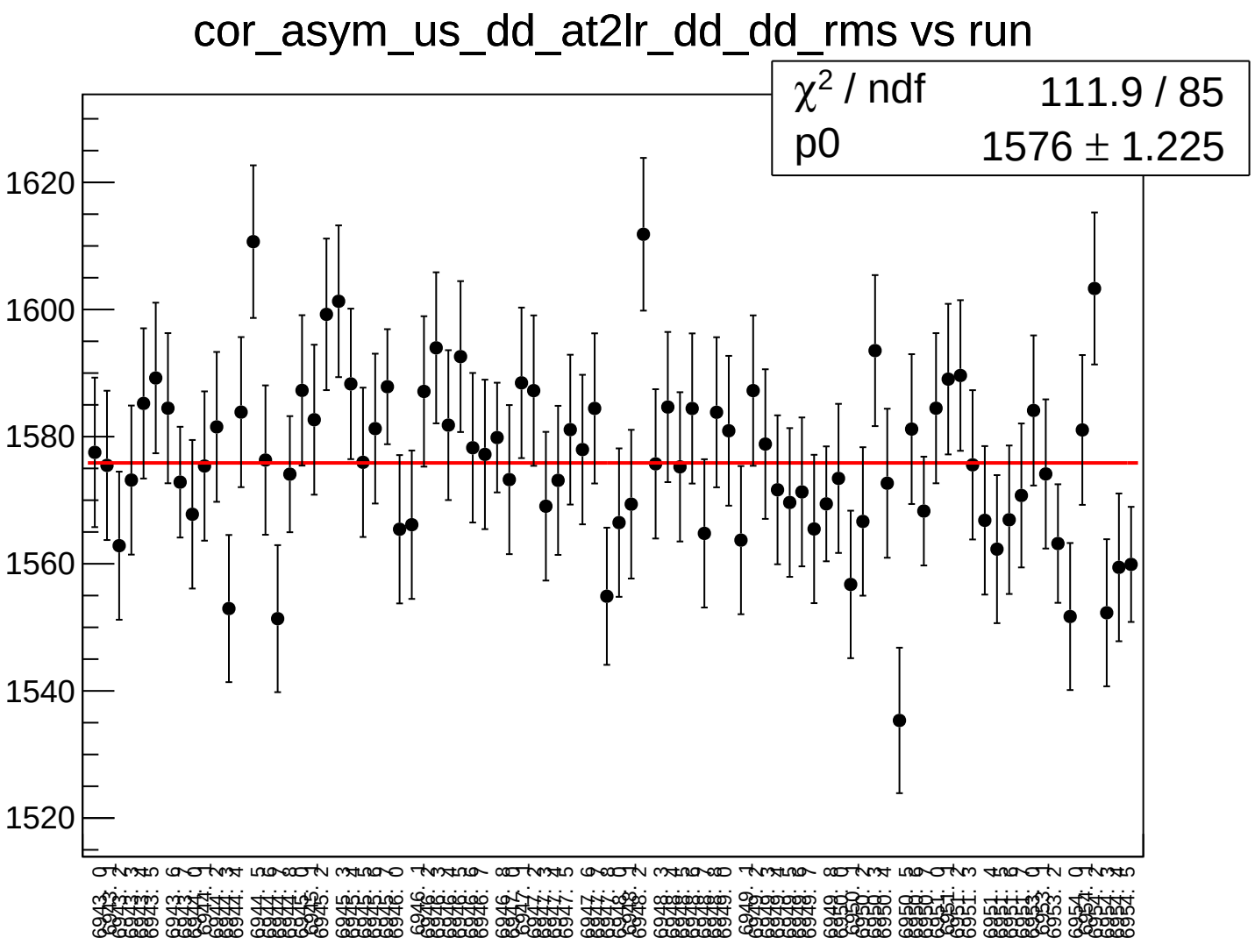

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 88.85 / 85
p0 1122 ± 758.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 112.3
Std Dev 0
2
1
0
−1
−2

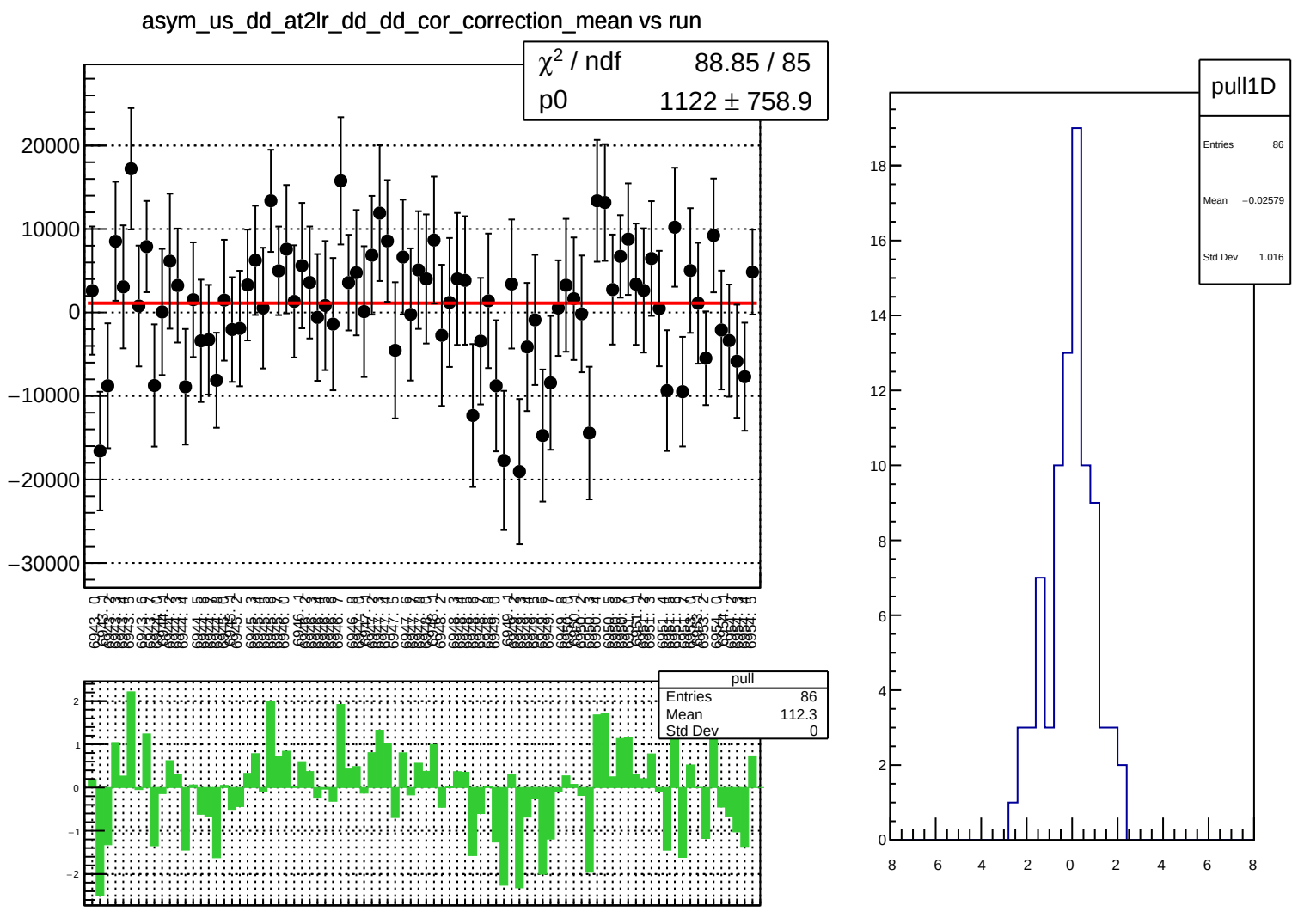

pull1D
Entries 86
Mean −0.02579
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

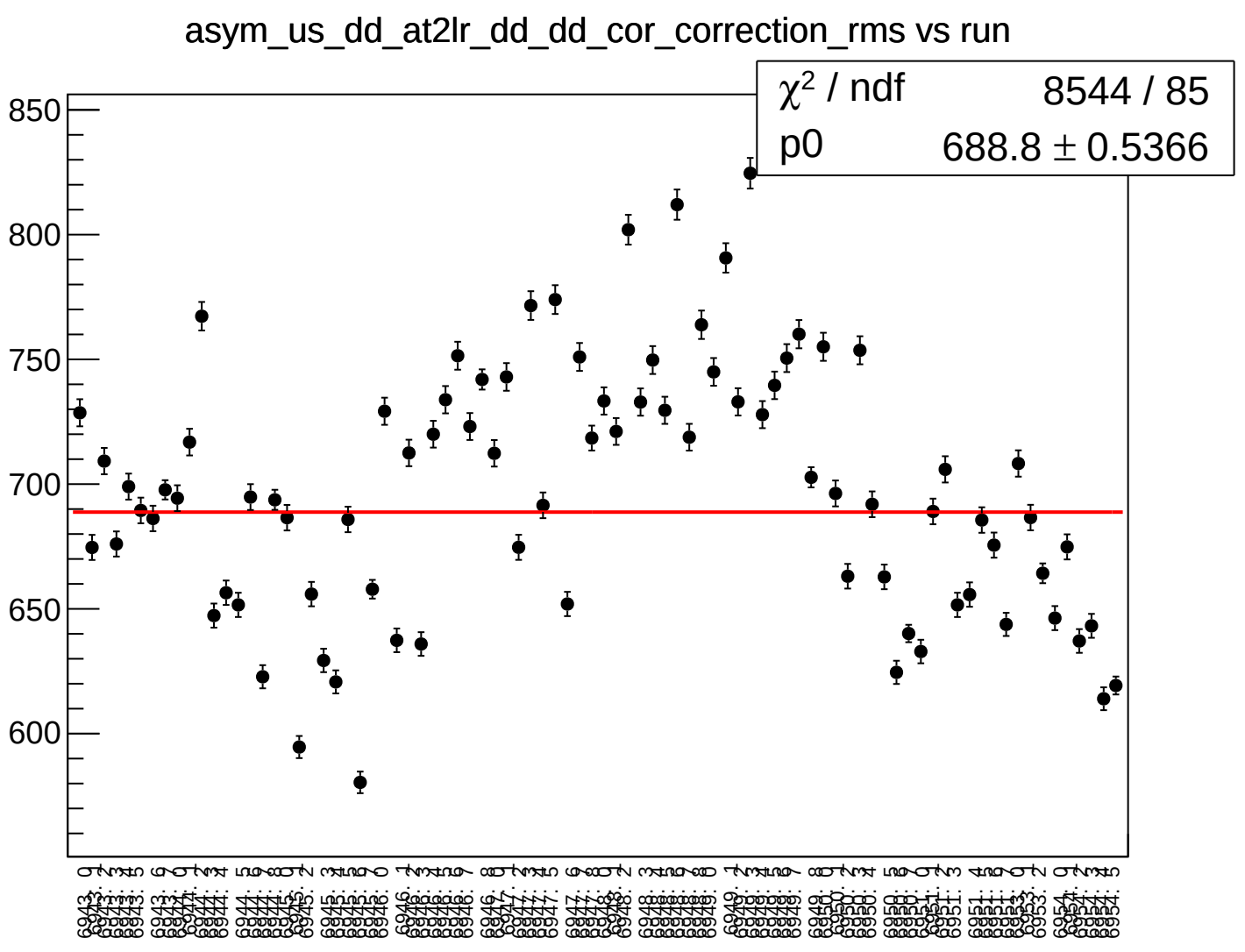

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 8546 / 85
p0 688.8 ± 0.5366
850
800
750
700
650
600

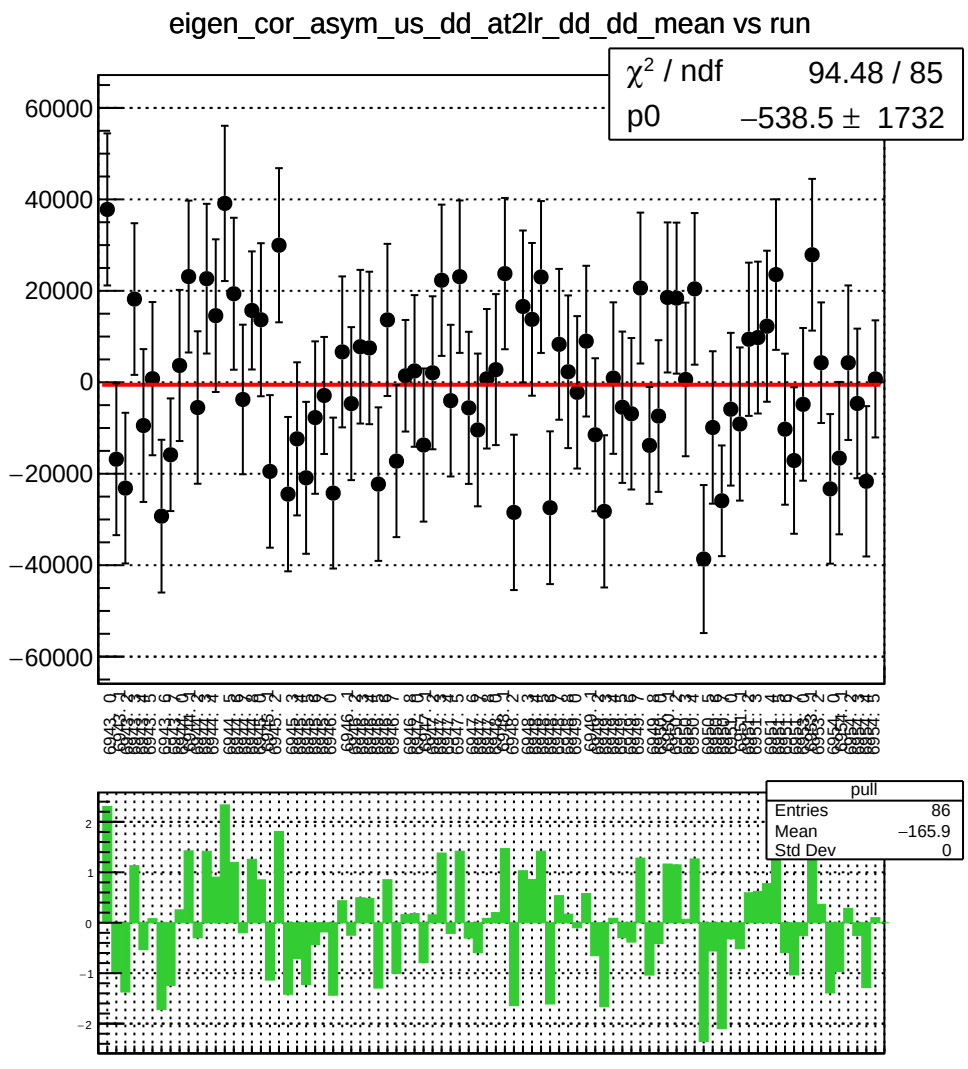

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 94.48 / 85
p0 −538.5 ± 1732
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −165.9
Std Dev 0
2
1
0
−1
−2

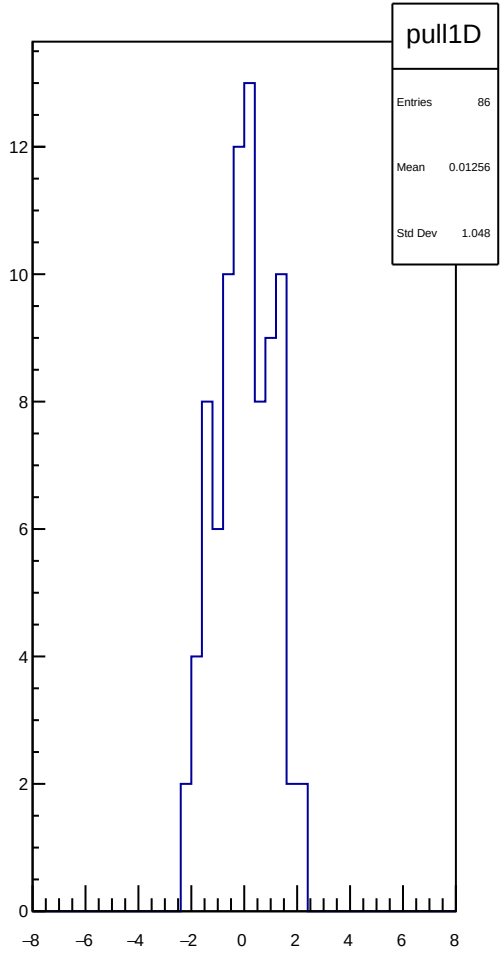

pull1D
Entries 86
Mean 0.01256
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

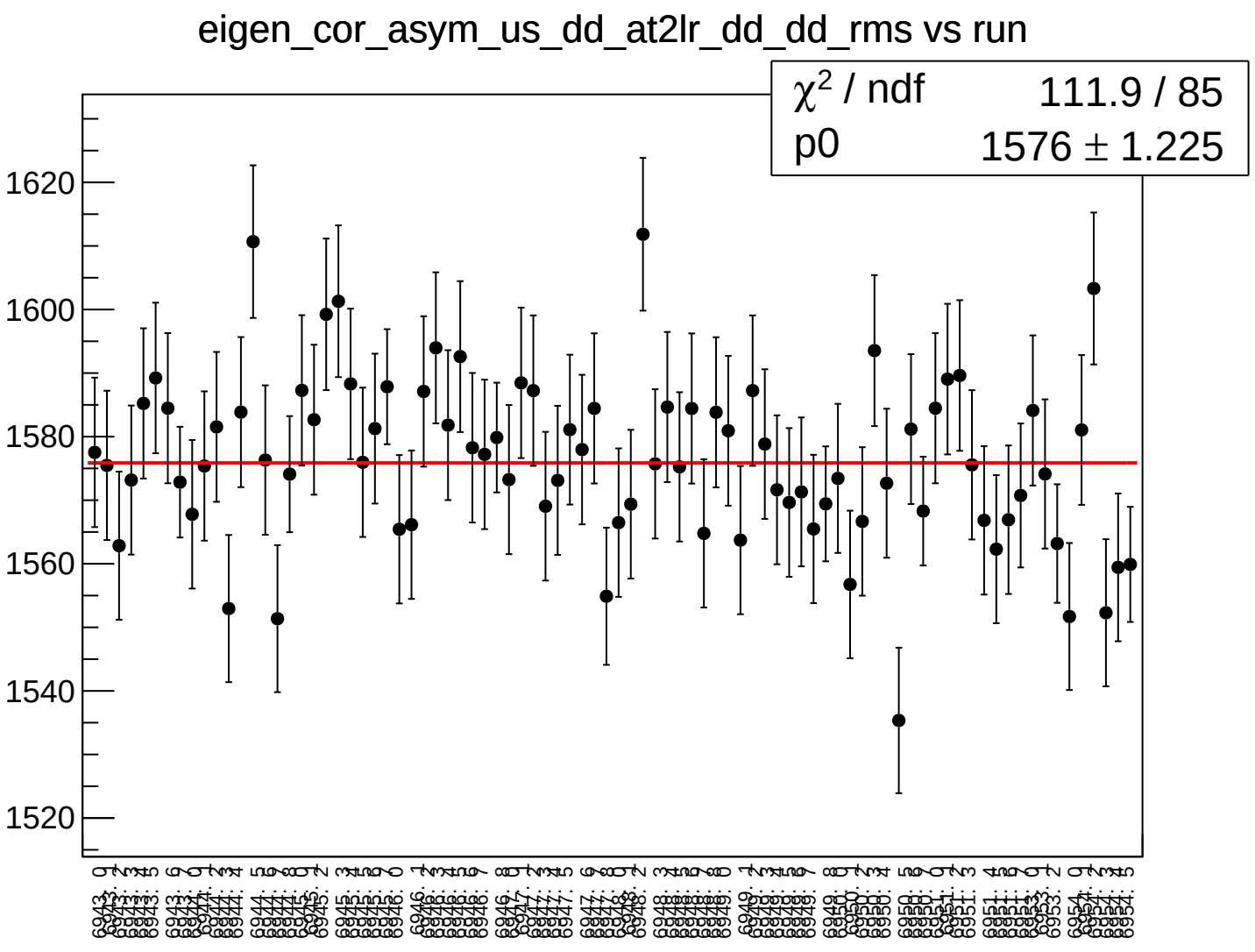

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 111.9 / 85
p0 1576 ± 1.225
1620
1600
1580
1560
1540
1520

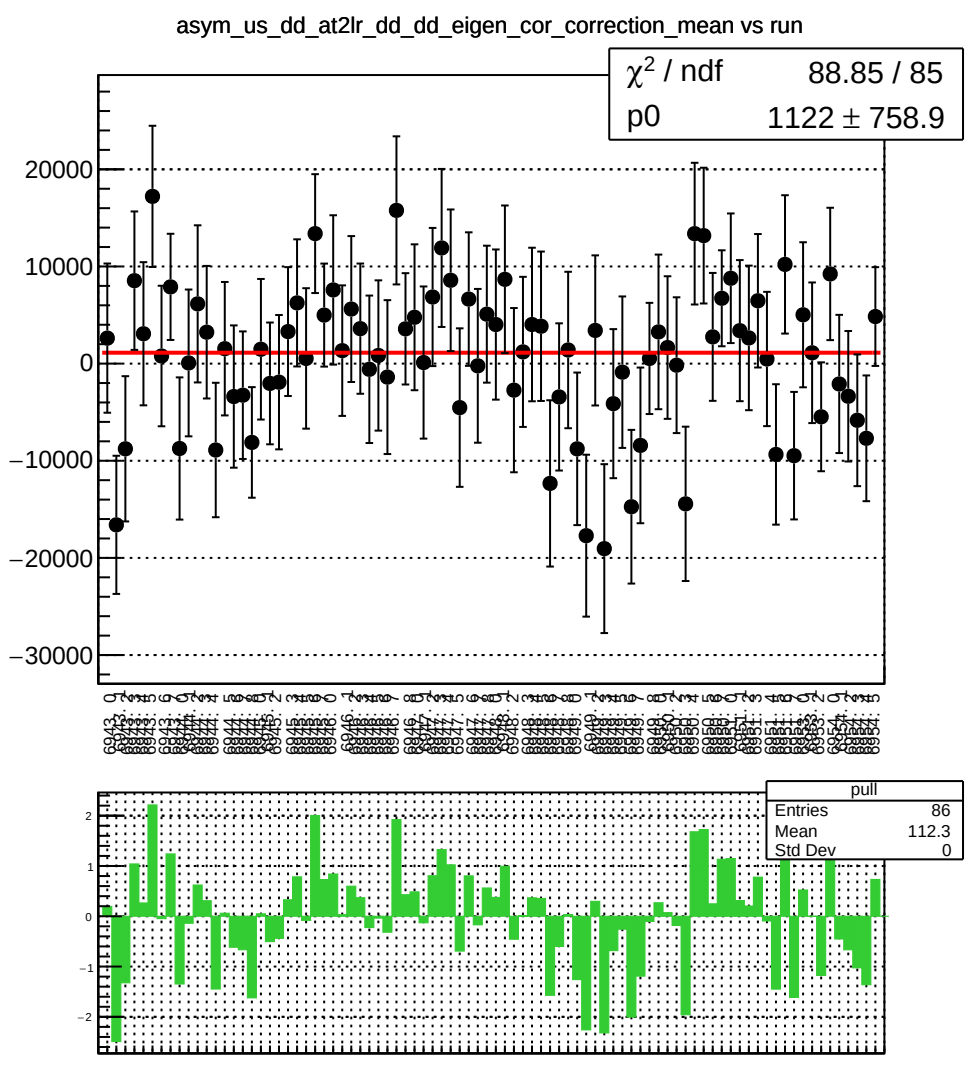

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 88.85 / 85
p0 1122 ± 758.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 112.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02579
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

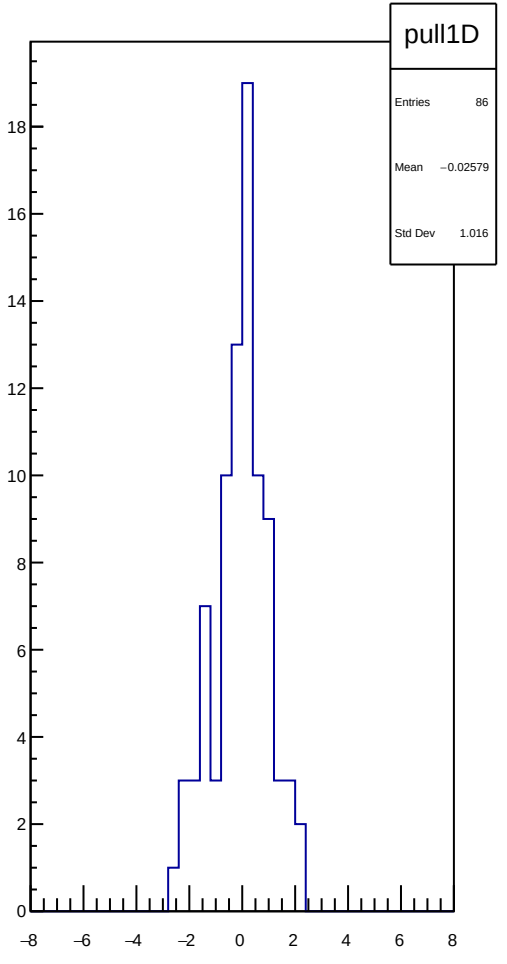

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 8544 / 85
p0 688.8 ± 0.5366
850
800
750
700
650
600

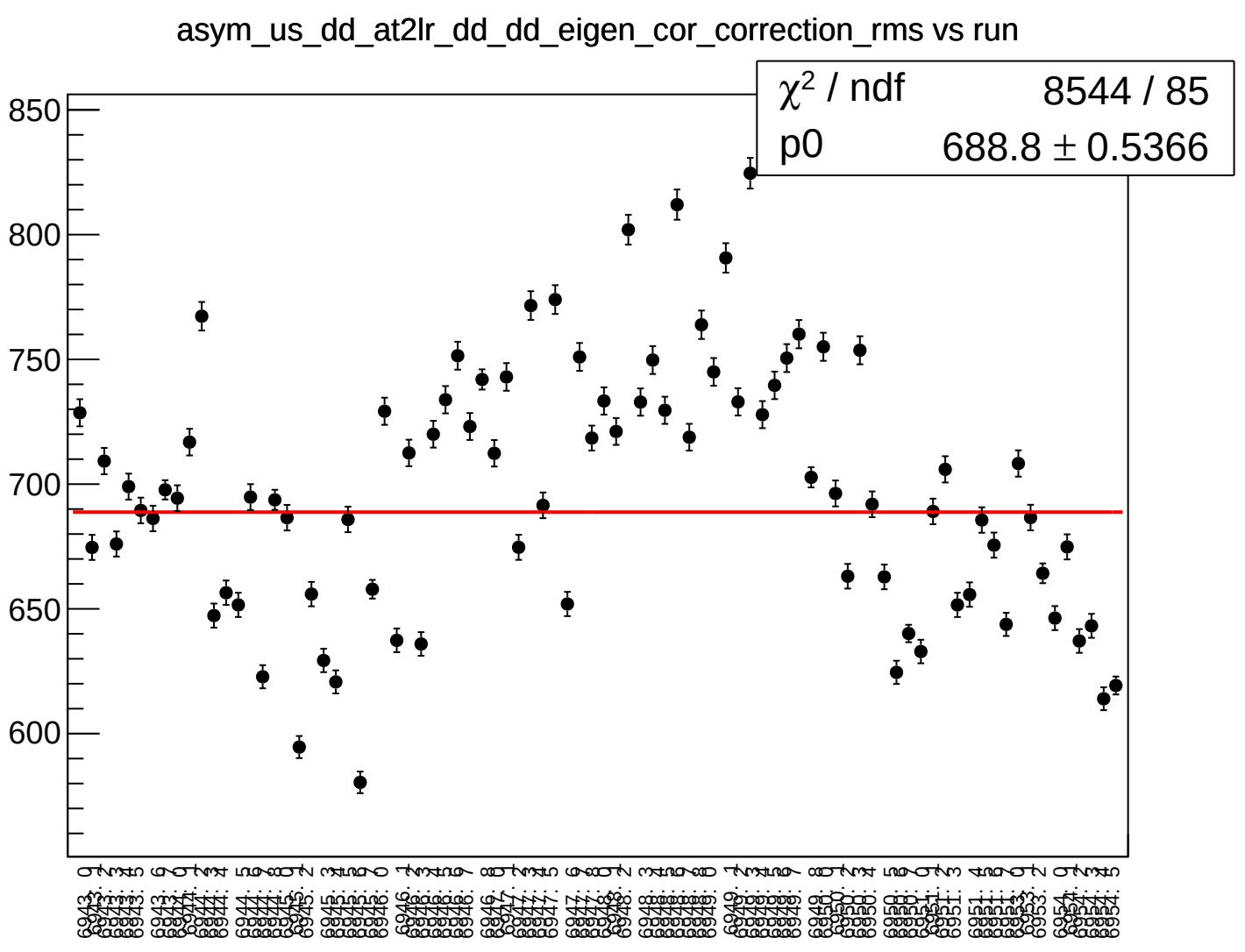

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 94.48 / 85
p0 −538.5 ± 1732
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −165.9
Std Dev 0
2
1
0
−1
−2

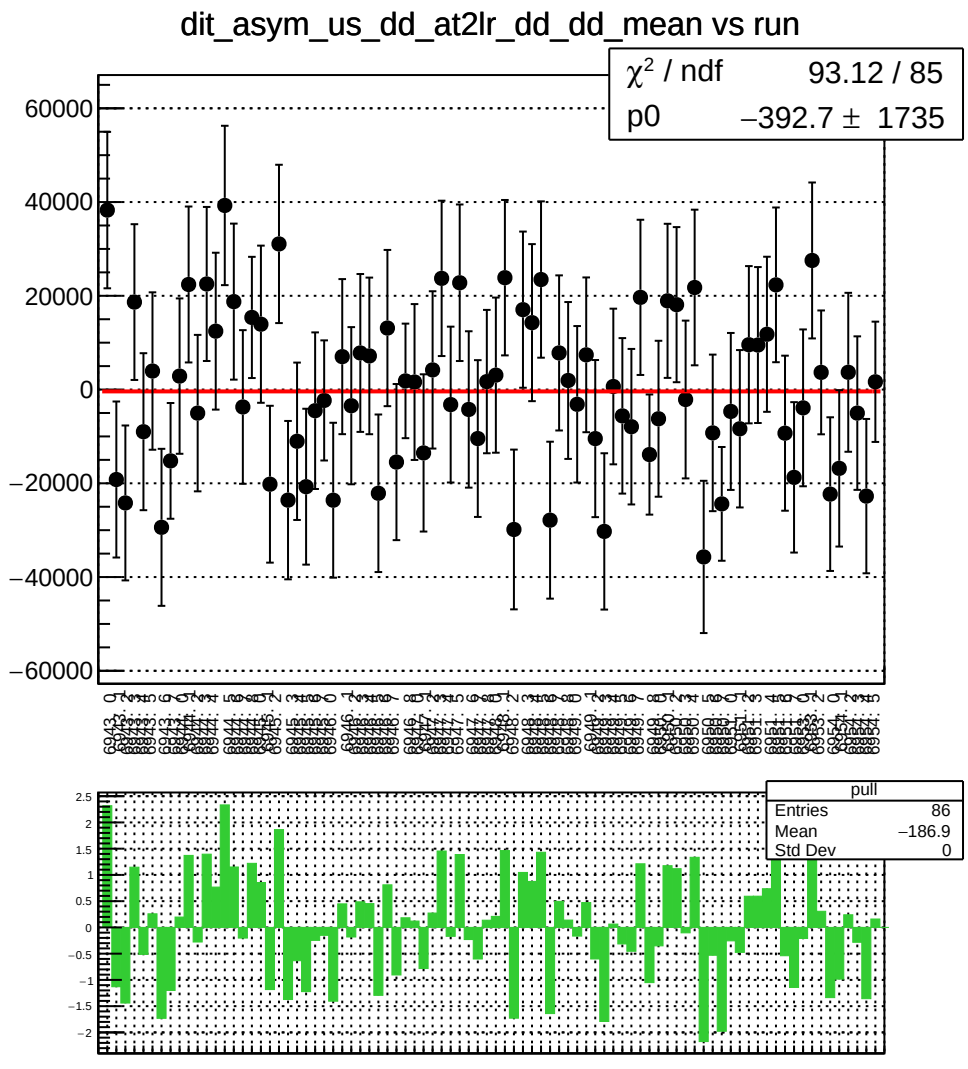

pull1D
Entries 86
Mean 0.01256
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

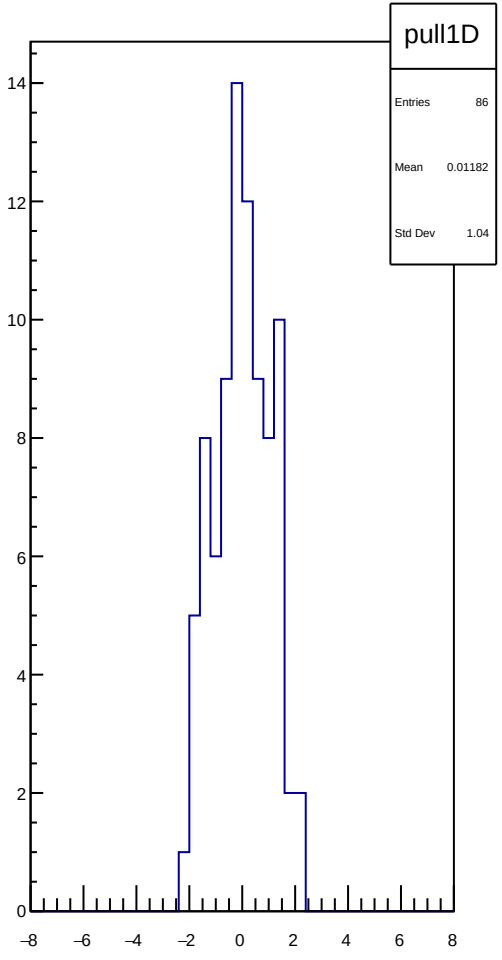

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 111.9 / 85
p0 1576 ± 1.225
1620
1600
1580
1560
1540
1520

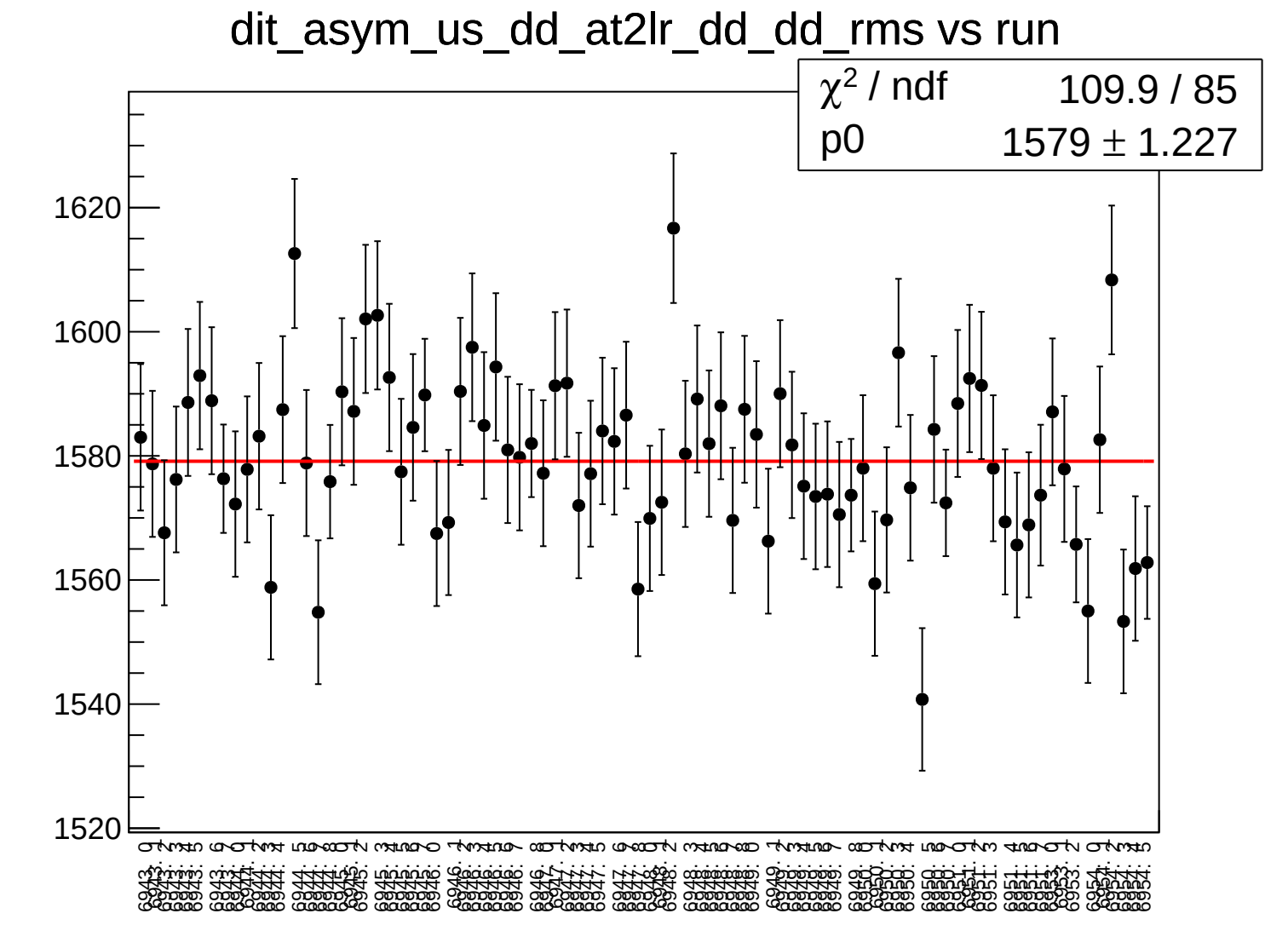

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 88.85 / 85
p0 1122 ± 758.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 112.3
Std Dev 0
2
1
0
−1
−2

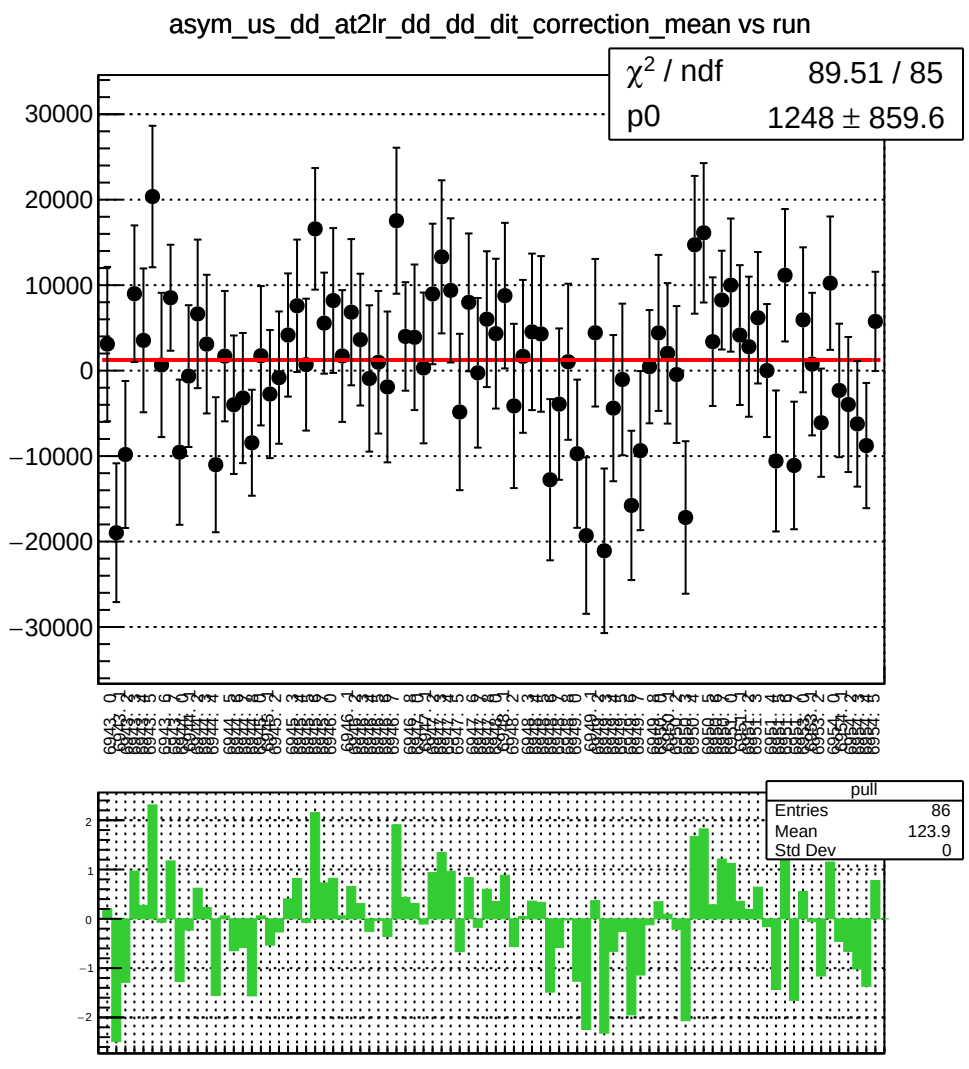

pull1D
Entries 86
Mean −0.02579
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

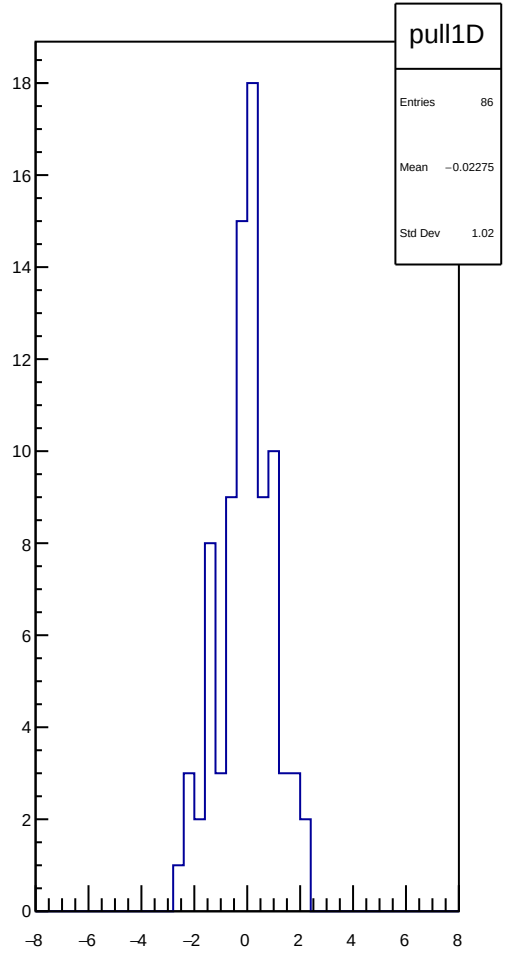

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8544 / 85
p0 688.8 ± 0.5366
850
800
750
700
650
600

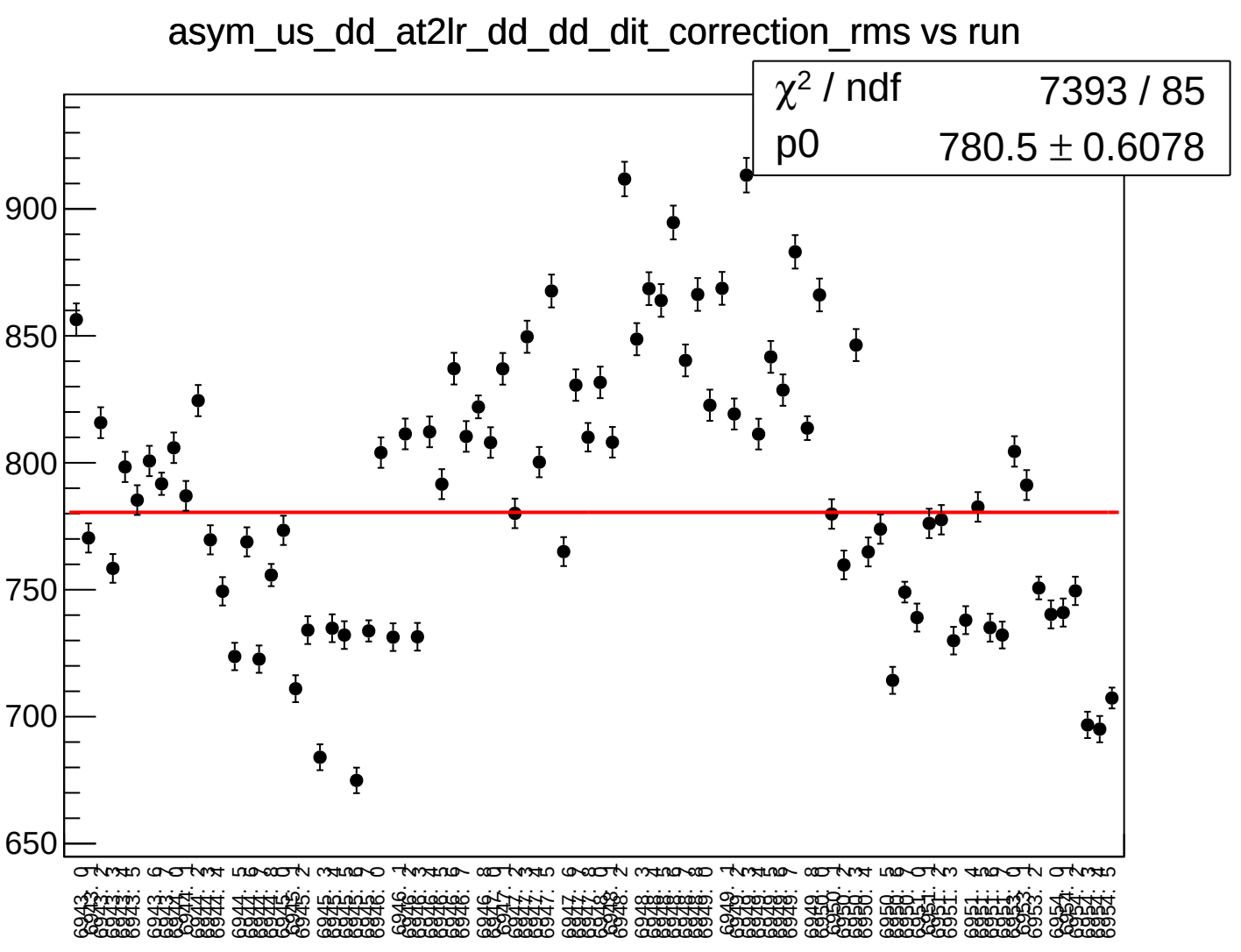

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 93.12 / 85
p0 −392.7 ± 1735
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −186.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

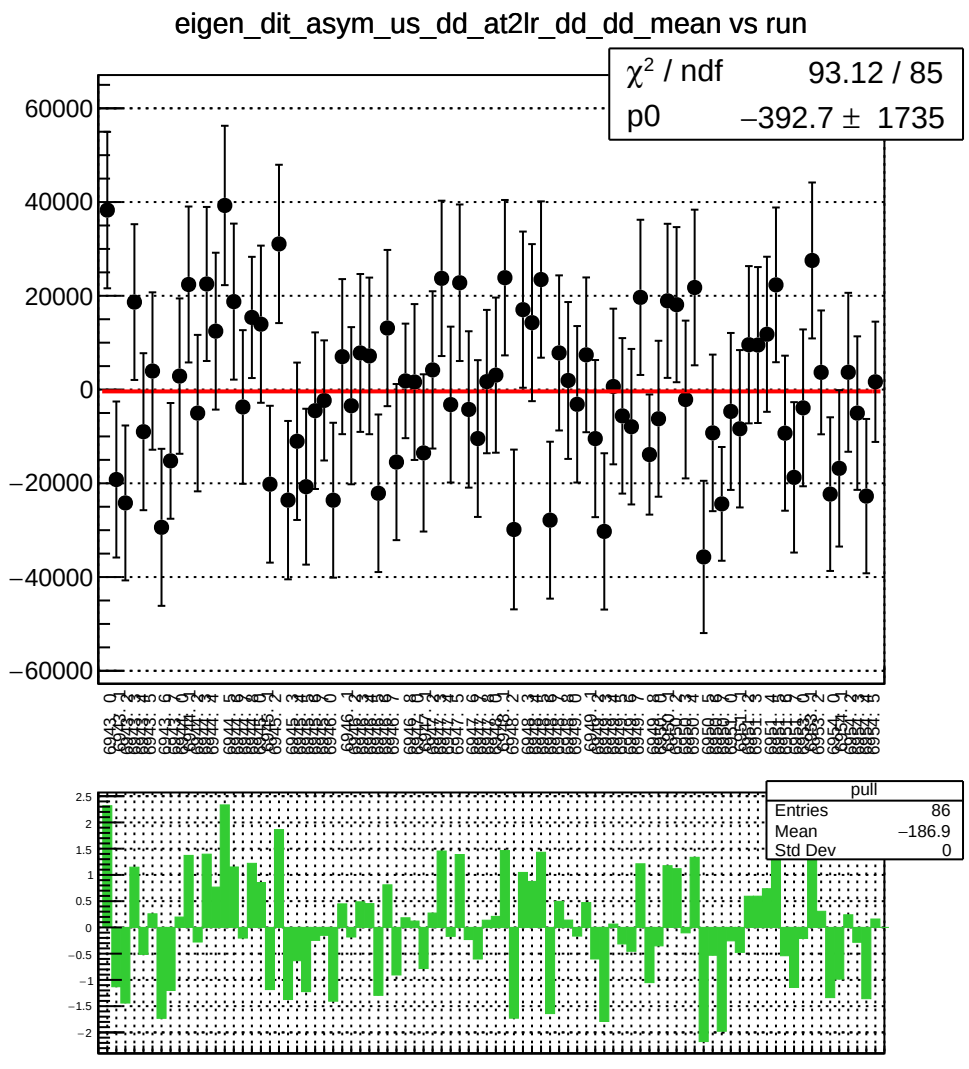

pull1D
Entries 86
Mean 0.01182
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

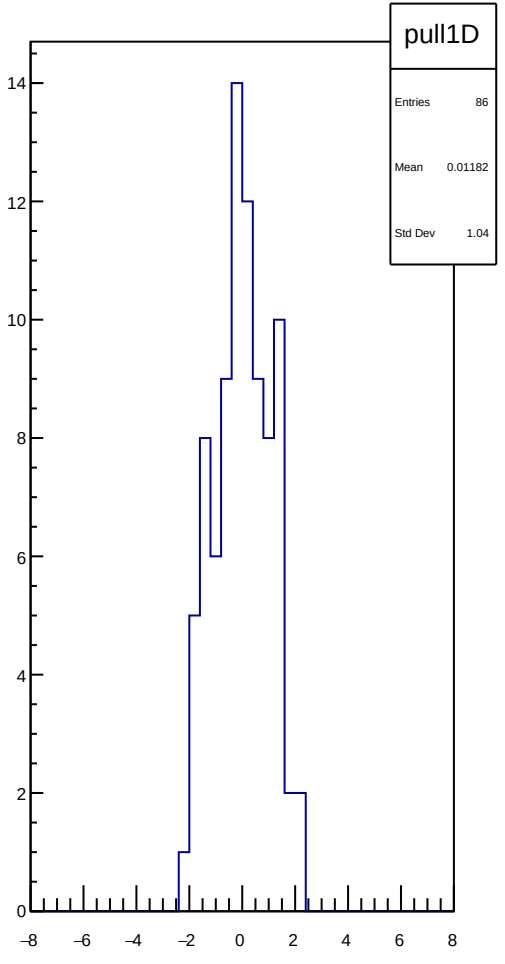

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 109.9 / 85
p0 1579 ± 1.227
1620
1600
1580
1560
1540
1520

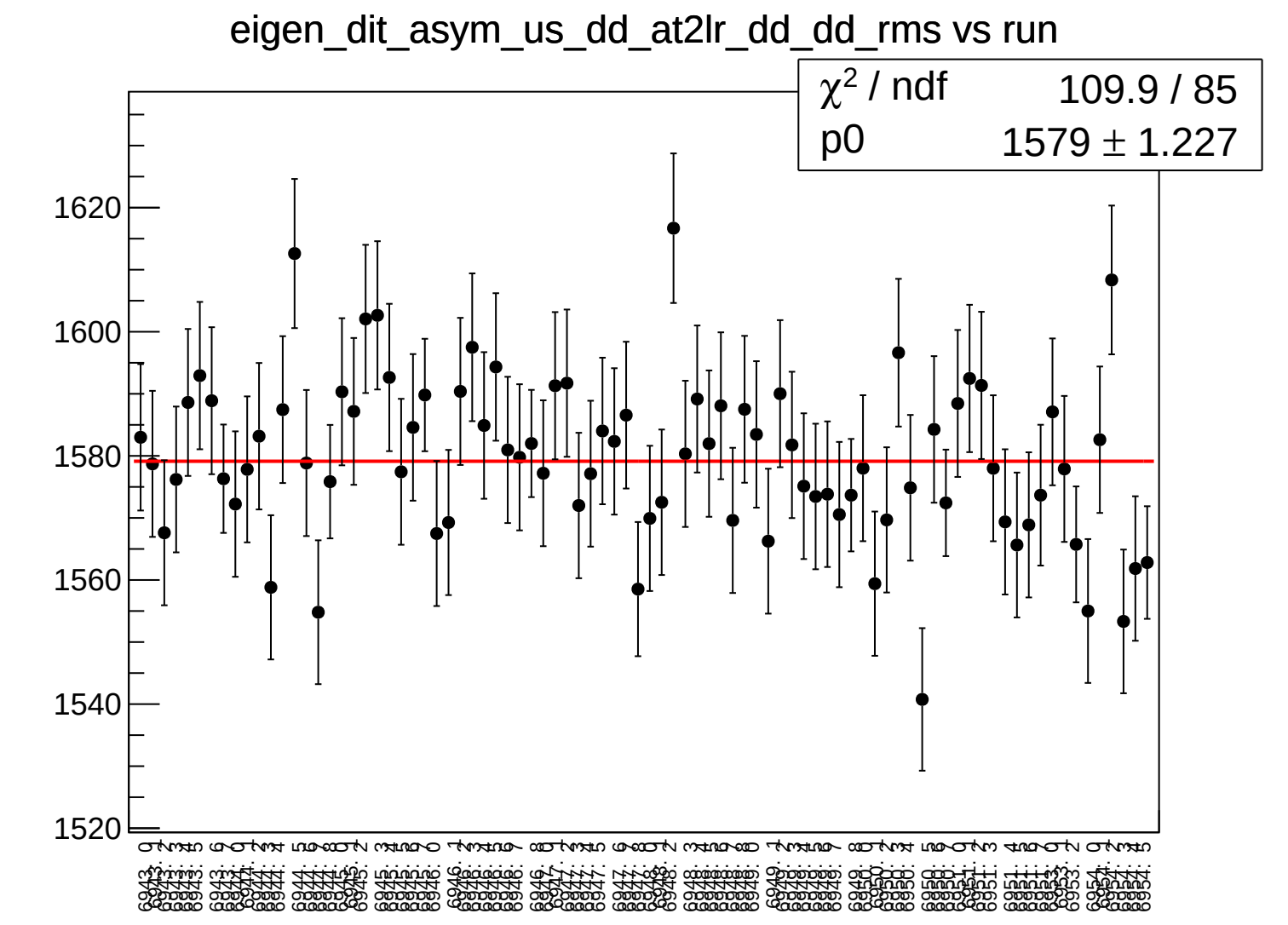

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 89.51 / 85
p0 1248 ± 859.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 123.9
Std Dev 0
2
1
0
−1
−2

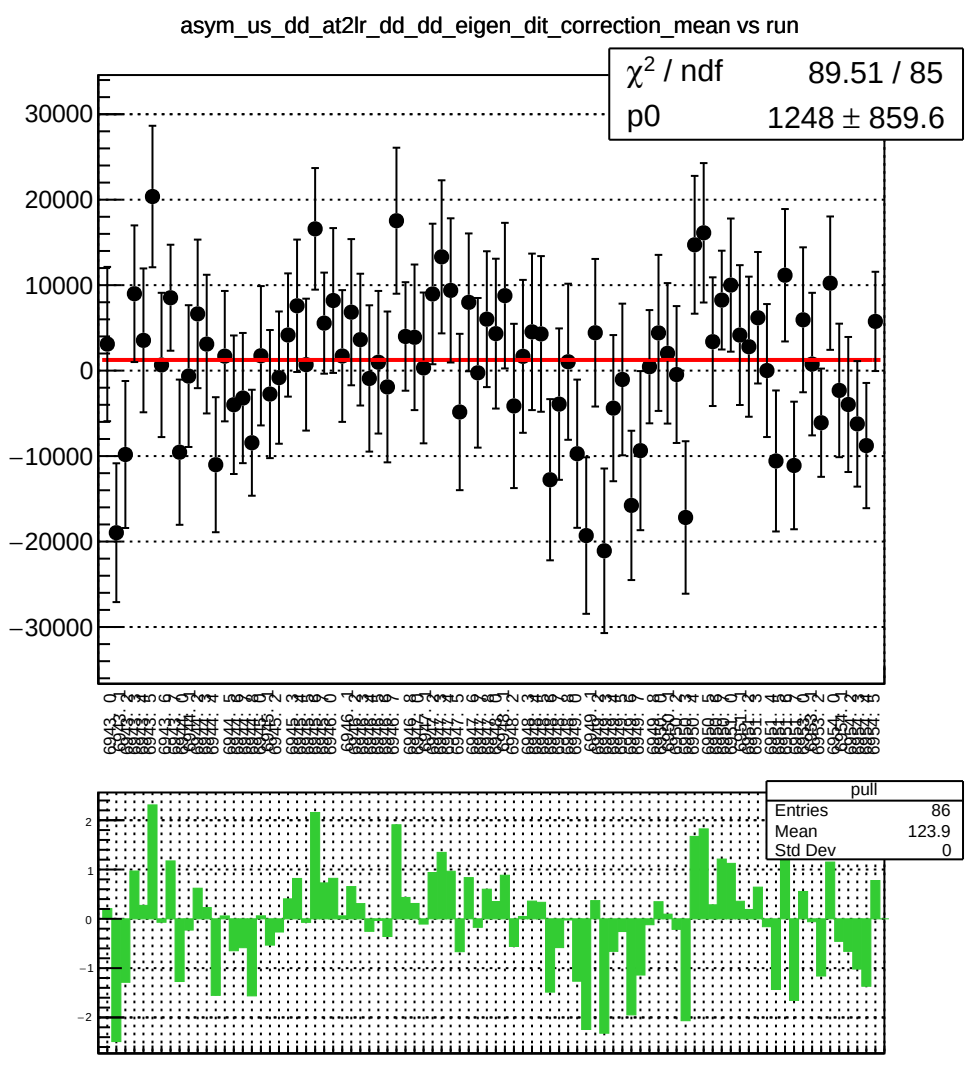

pull1D
Entries 86
Mean −0.02275
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

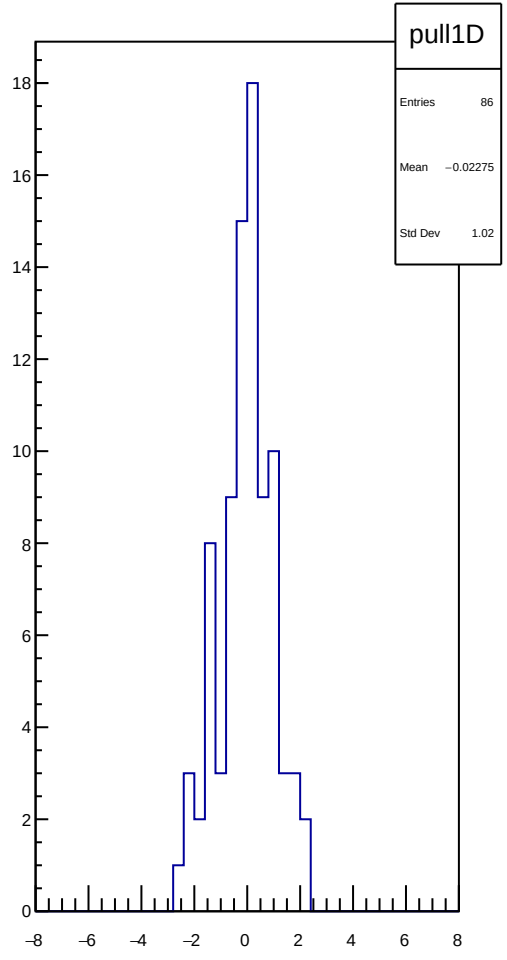

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 7393 / 85
p0 780.5 ± 0.6078
900
850
800
750
700
650

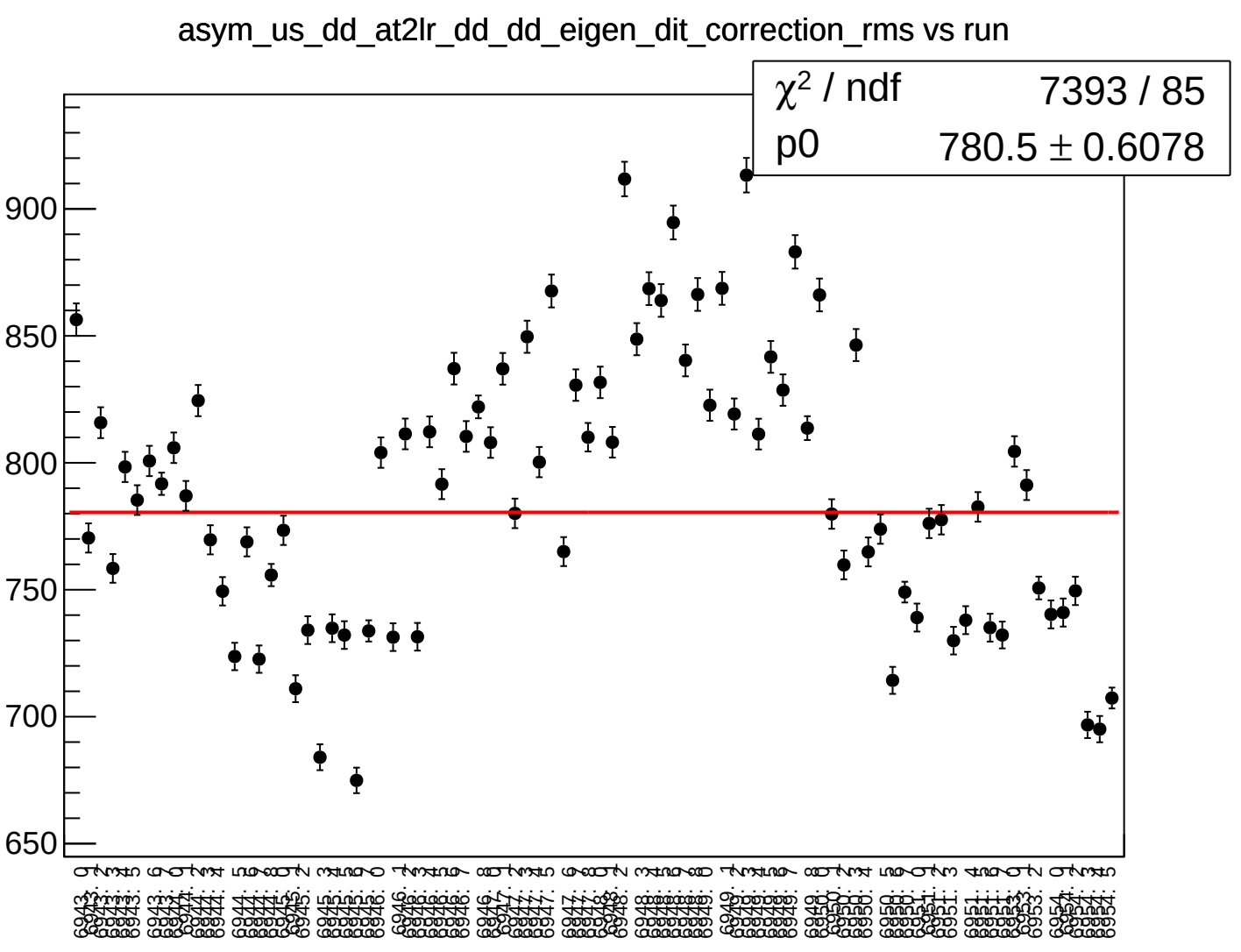

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 93.12 / 85
p0 −392.7 ± 1735
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −186.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

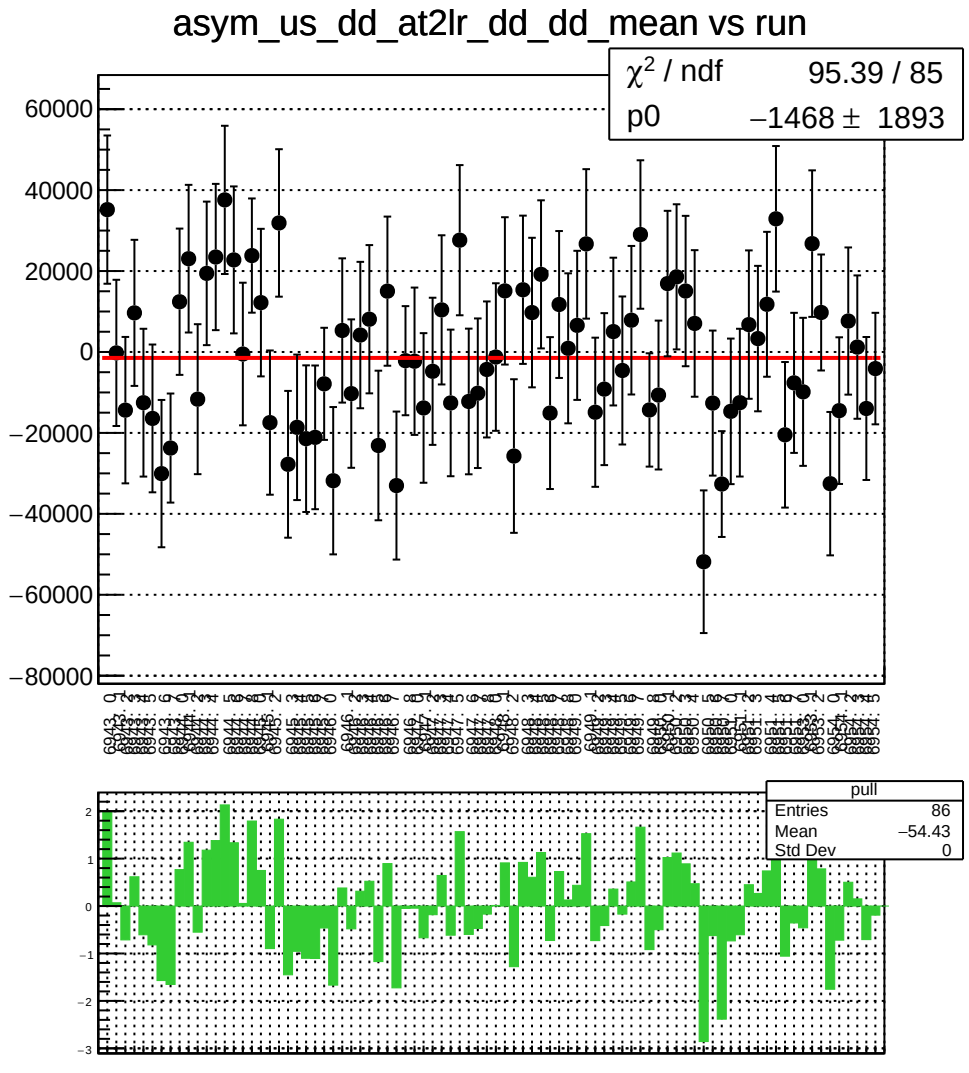

pull1D
Entries 86
Mean 0.01182
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

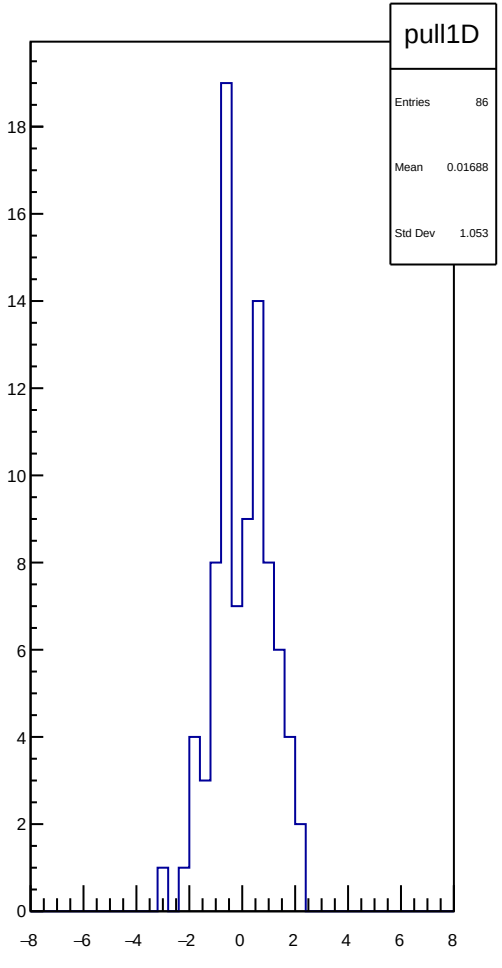

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 109.9 / 85
p0 1579 ± 1.227
1620
1600
1580
1560
1540
1520

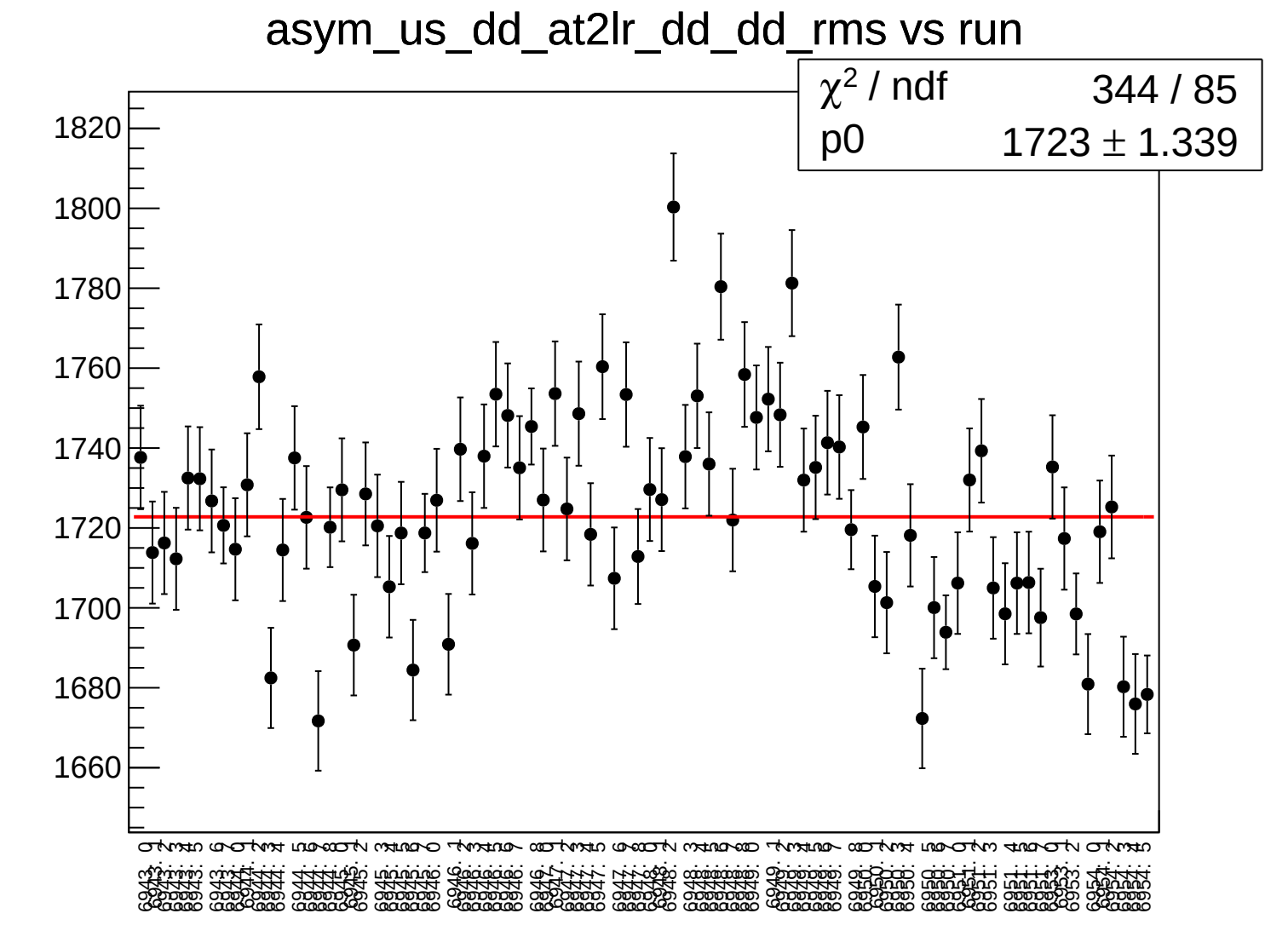

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 89.51 / 85
p0 1248 ± 859.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 123.9
Std Dev 0
2
1
0
−1
−2

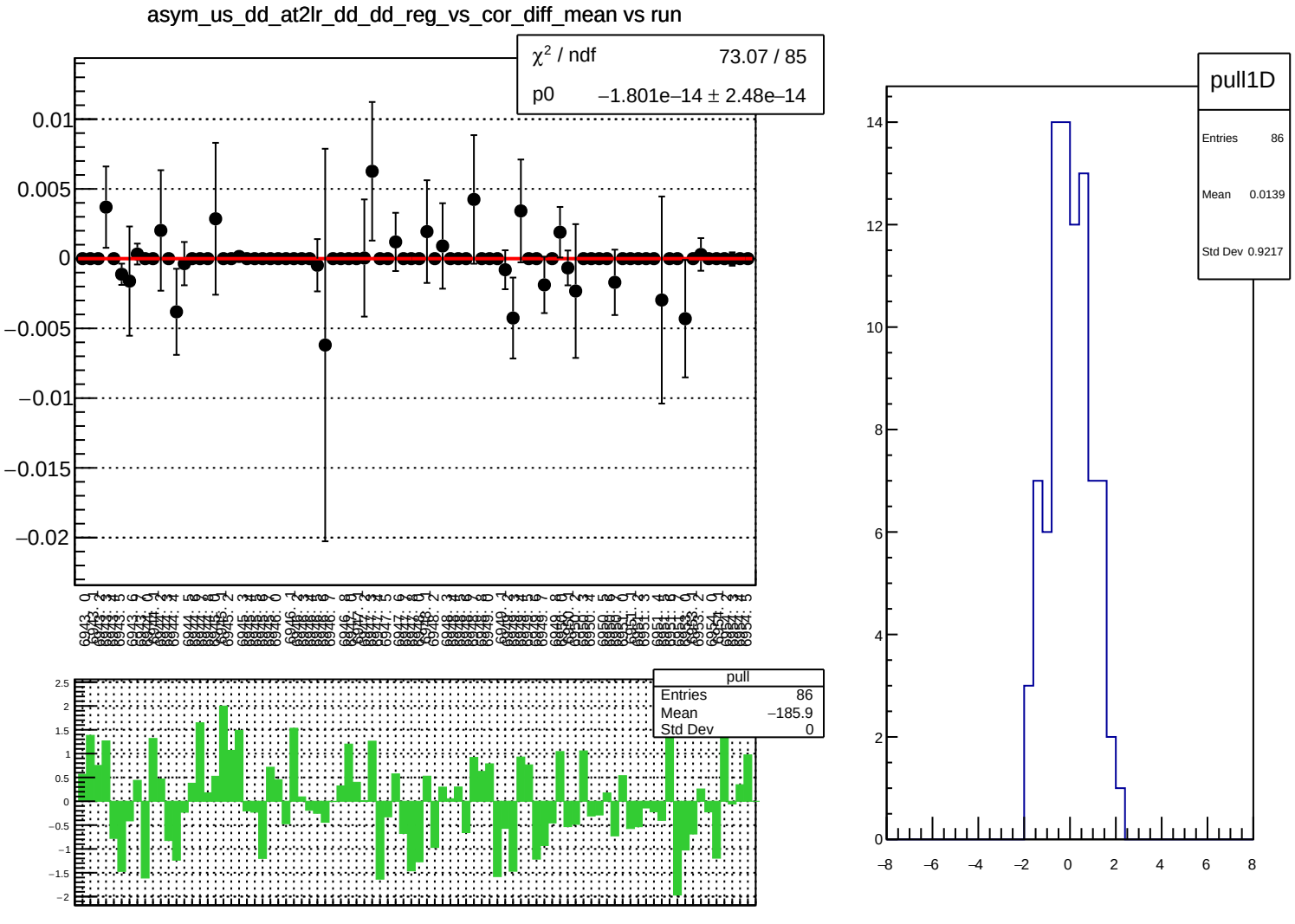

pull1D
Entries 86
Mean −0.02275
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

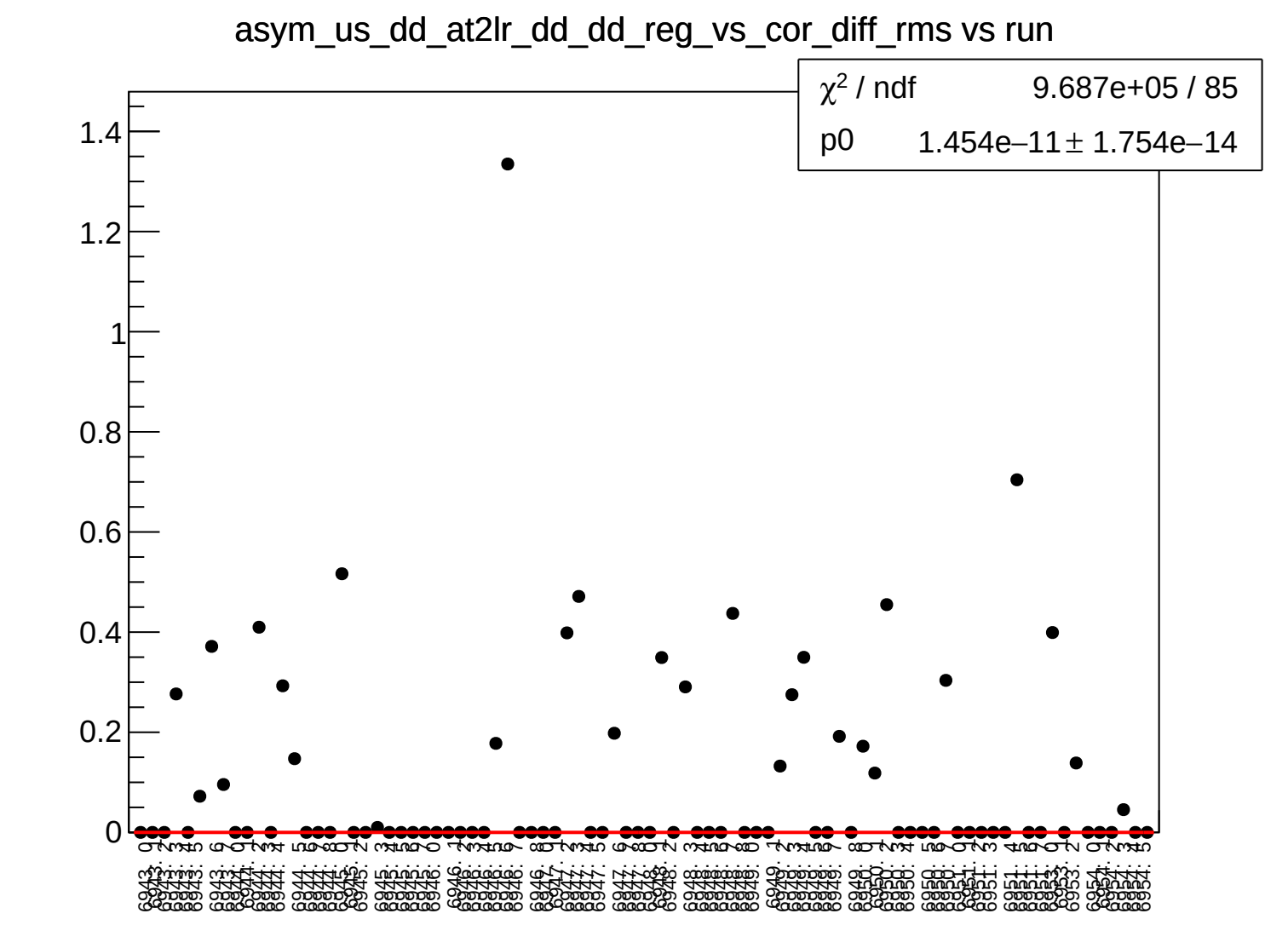

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7393 / 85
p0 780.5 ± 0.6078
900
850
800
750
700
650

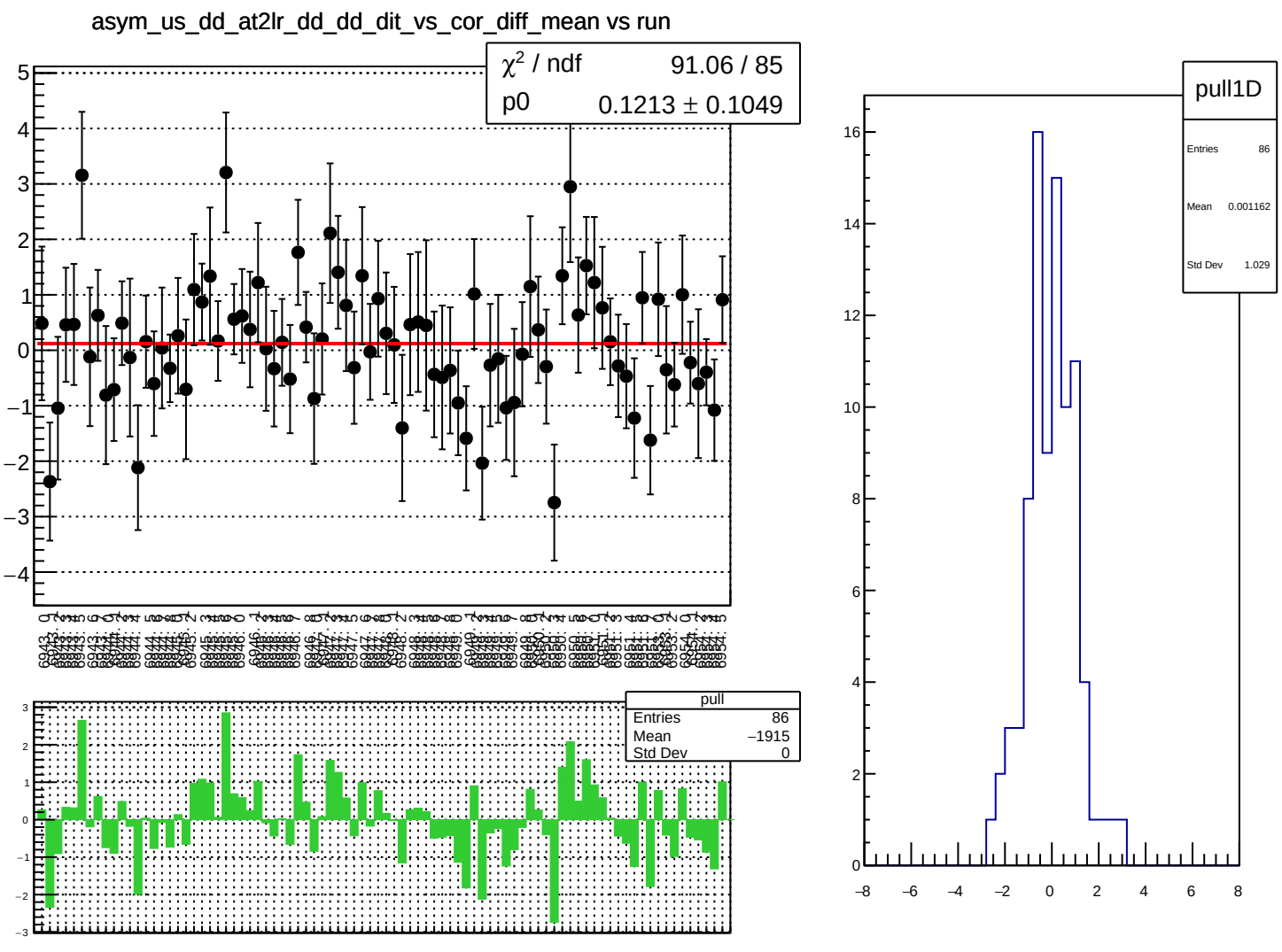

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 95.39 / 85
p0 −1468 ± 1893
pull
Entries 86
Mean −54.43
Std Dev 0

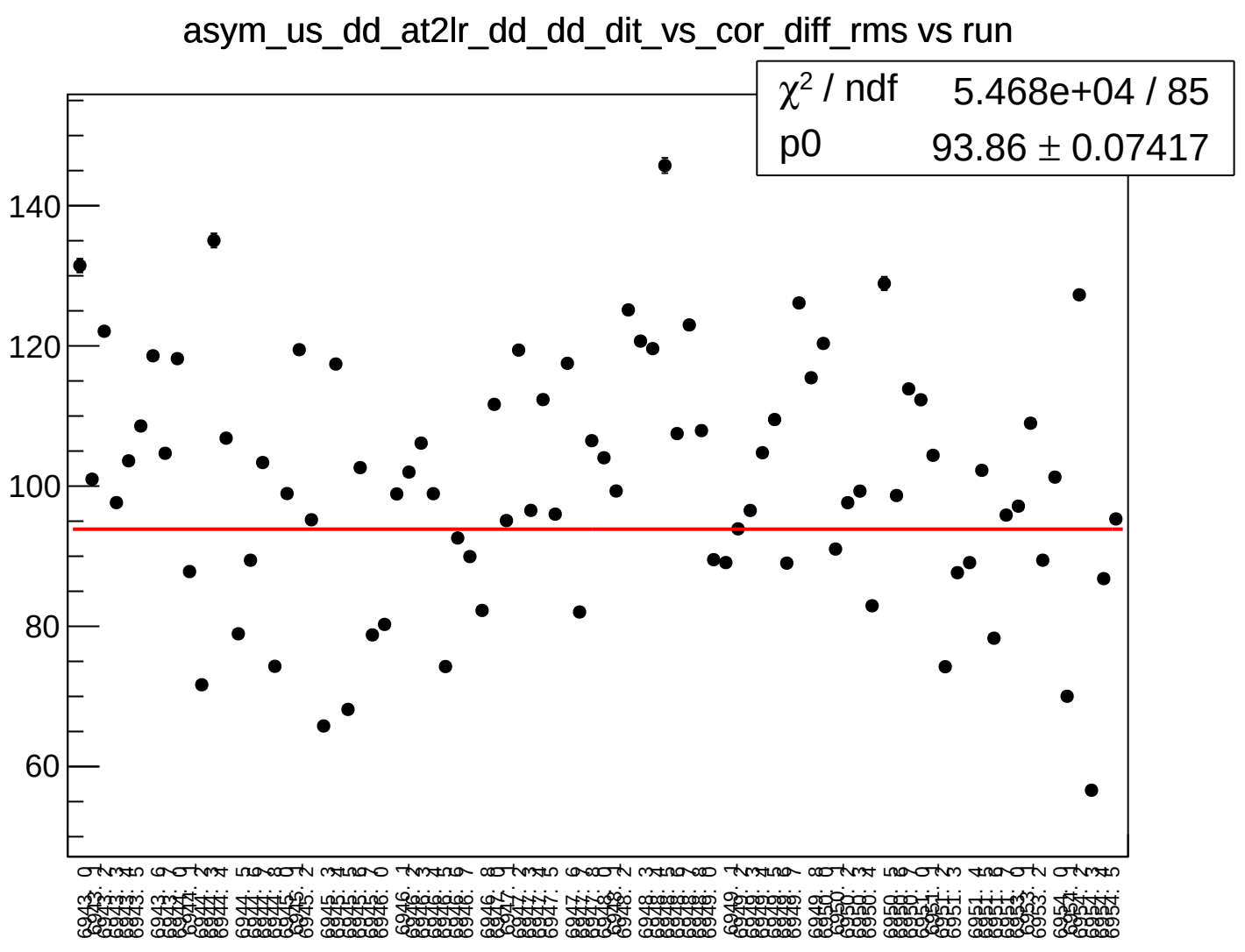

pull1D
Entries 86
Mean 0.01688
Std Dev 1.053

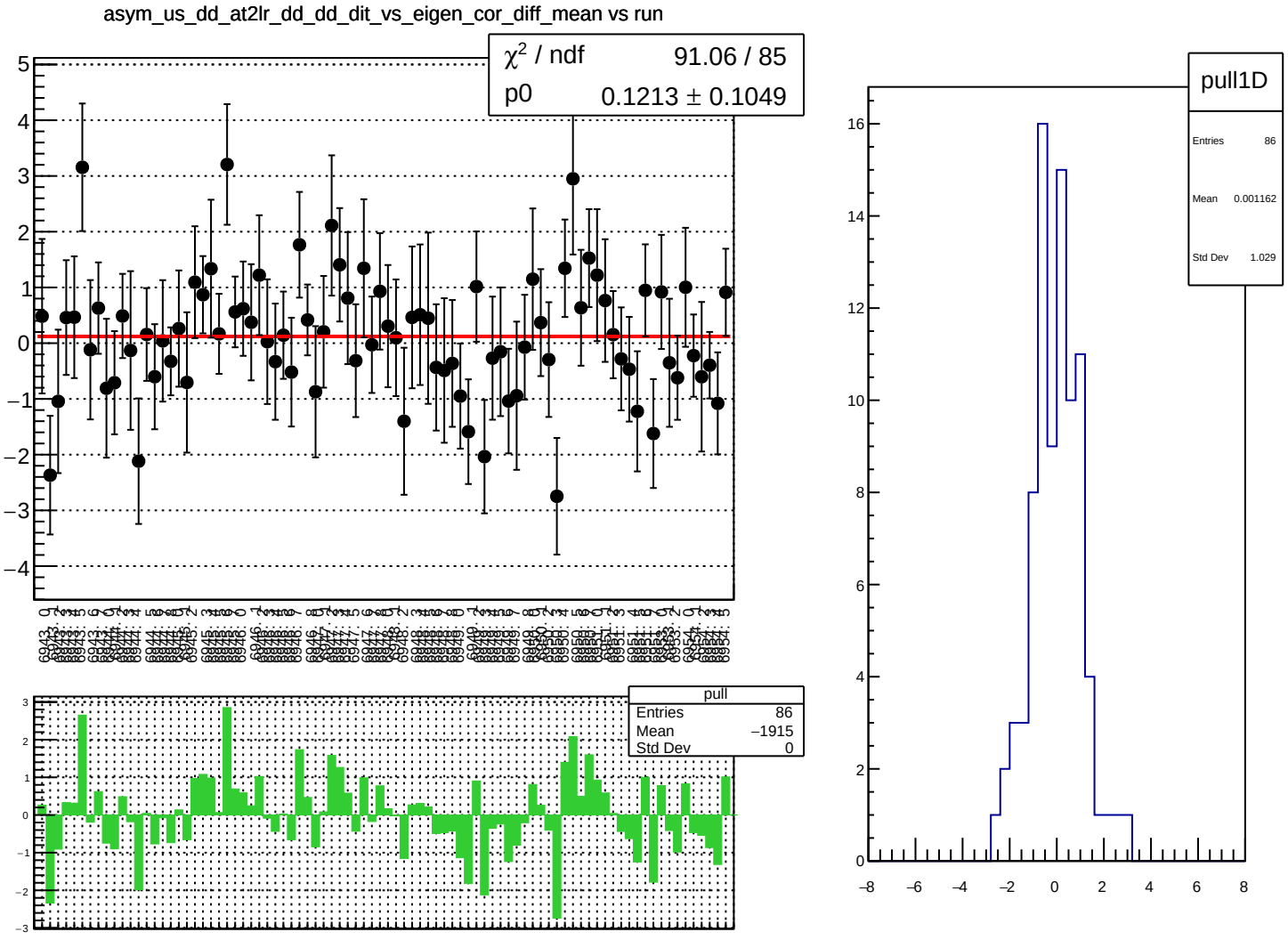

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 344 / 85
p0 1723 ± 1.339
1820
1800
1780
1760
1740
1720
1700
1680
1660

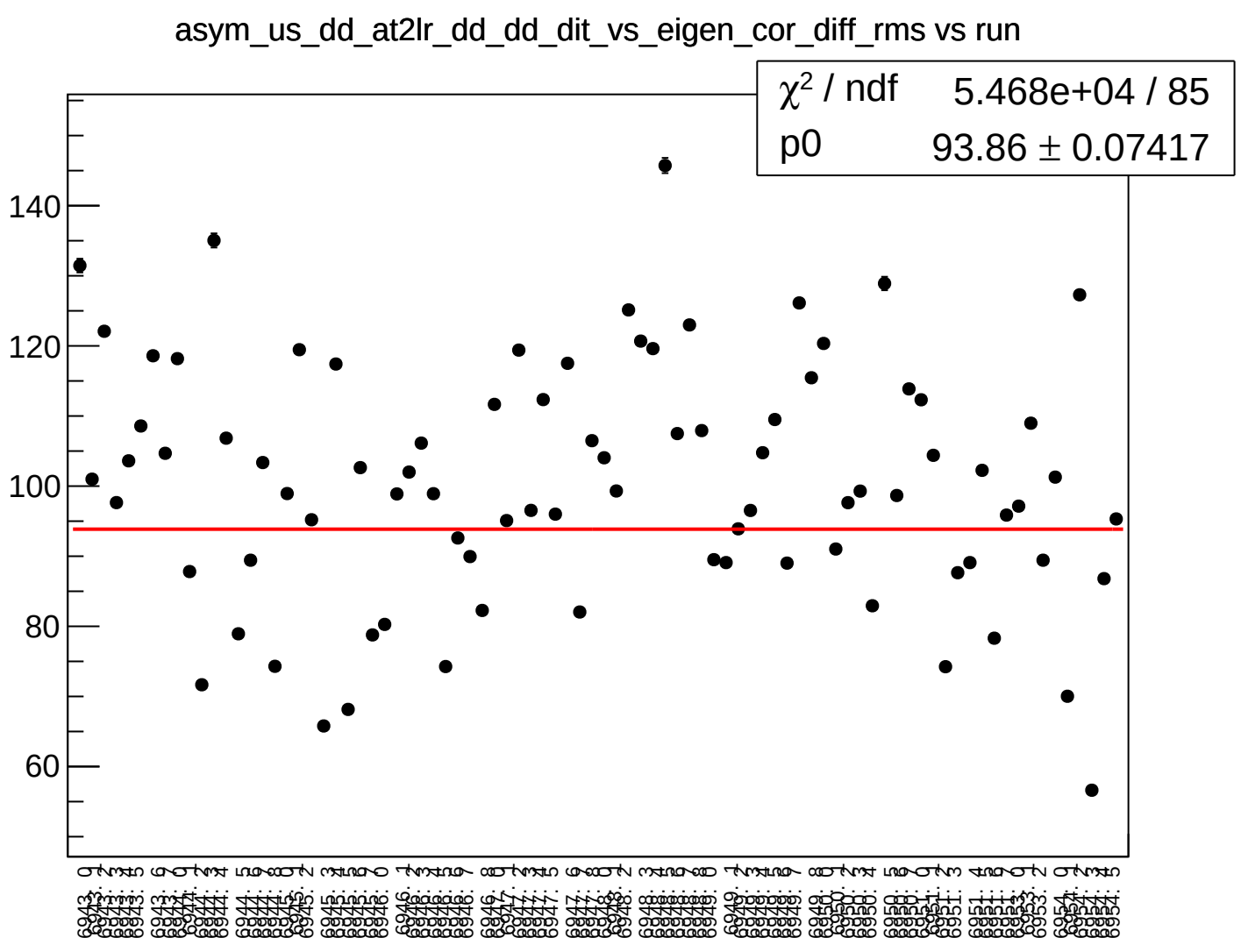

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 73.07 / 85
p0 −1.801e−14 ± 2.48e−14
pull
Entries 86
Mean −185.9
Std Dev 0
pull1D
Entries 86
Mean 0.0139
Std Dev 0.9217

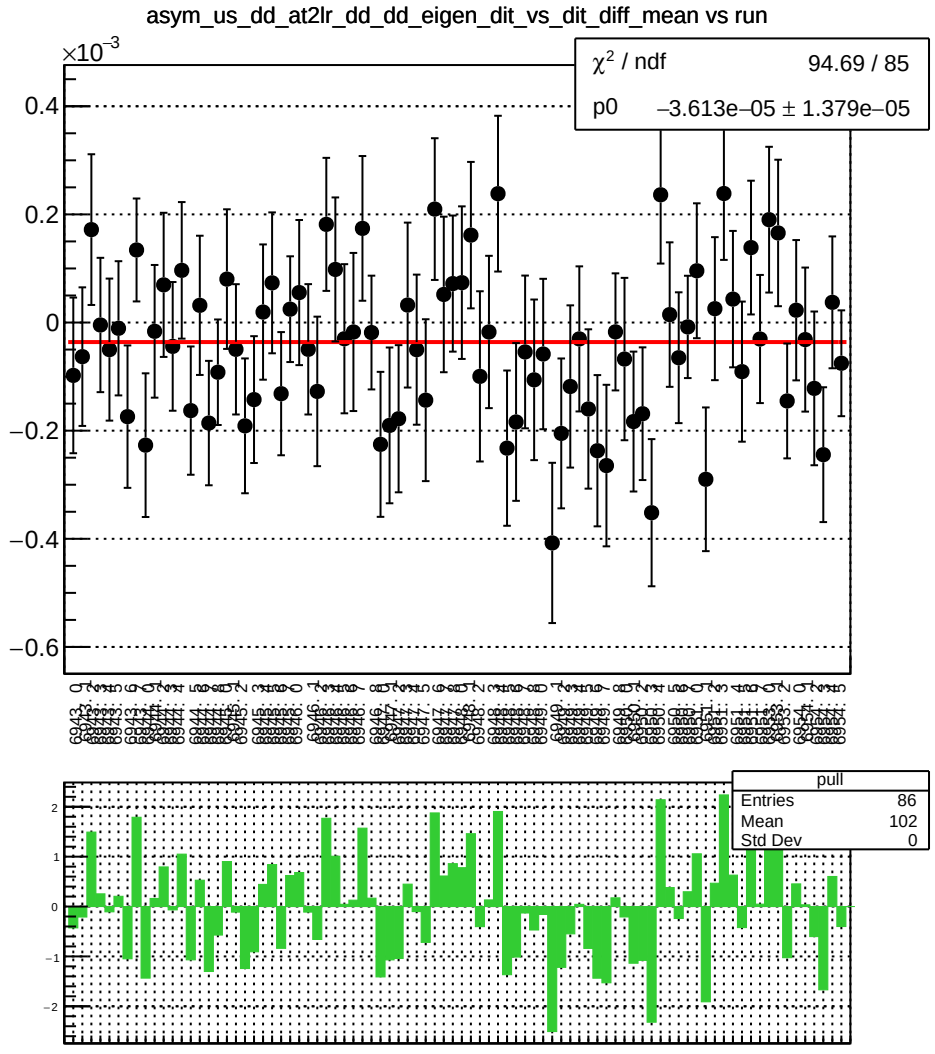

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.687e+05 / 85
p0 1.454e−11 ± 1.754e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

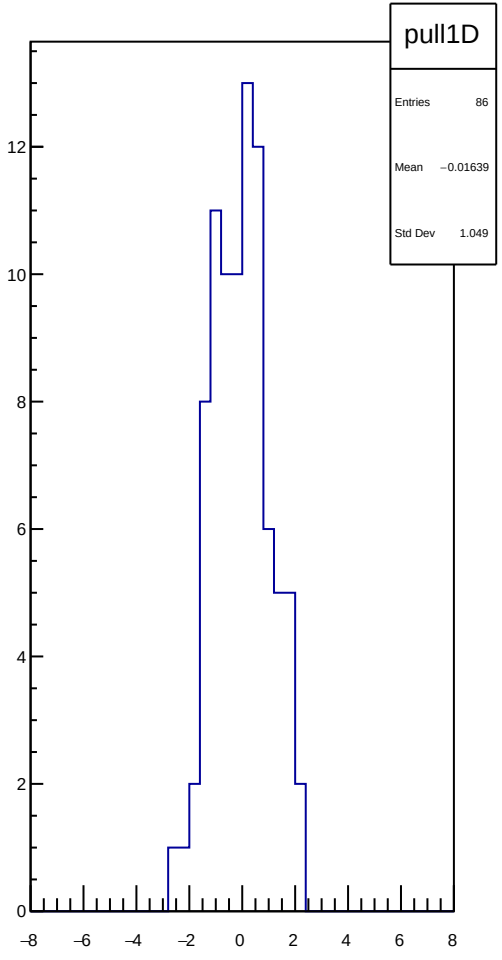

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.06 / 85
p0 0.1213 ± 0.1049
pull
Entries 86
Mean −1915
Std Dev 0
pull1D
Entries 86
Mean 0.001162
Std Dev 1.029

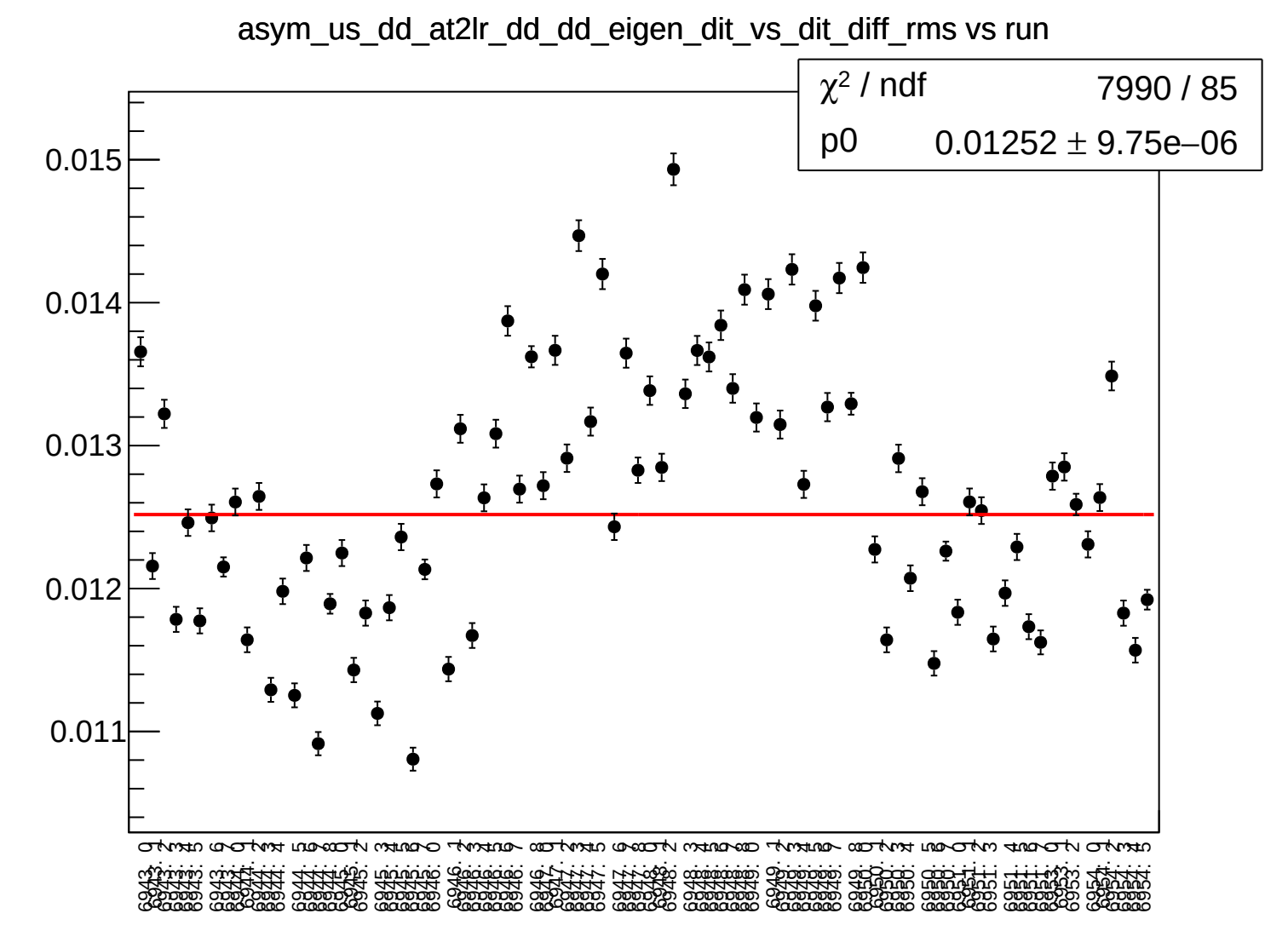

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.468e+04 / 85
p0 93.86 ± 0.07417
140
120
100
80
60

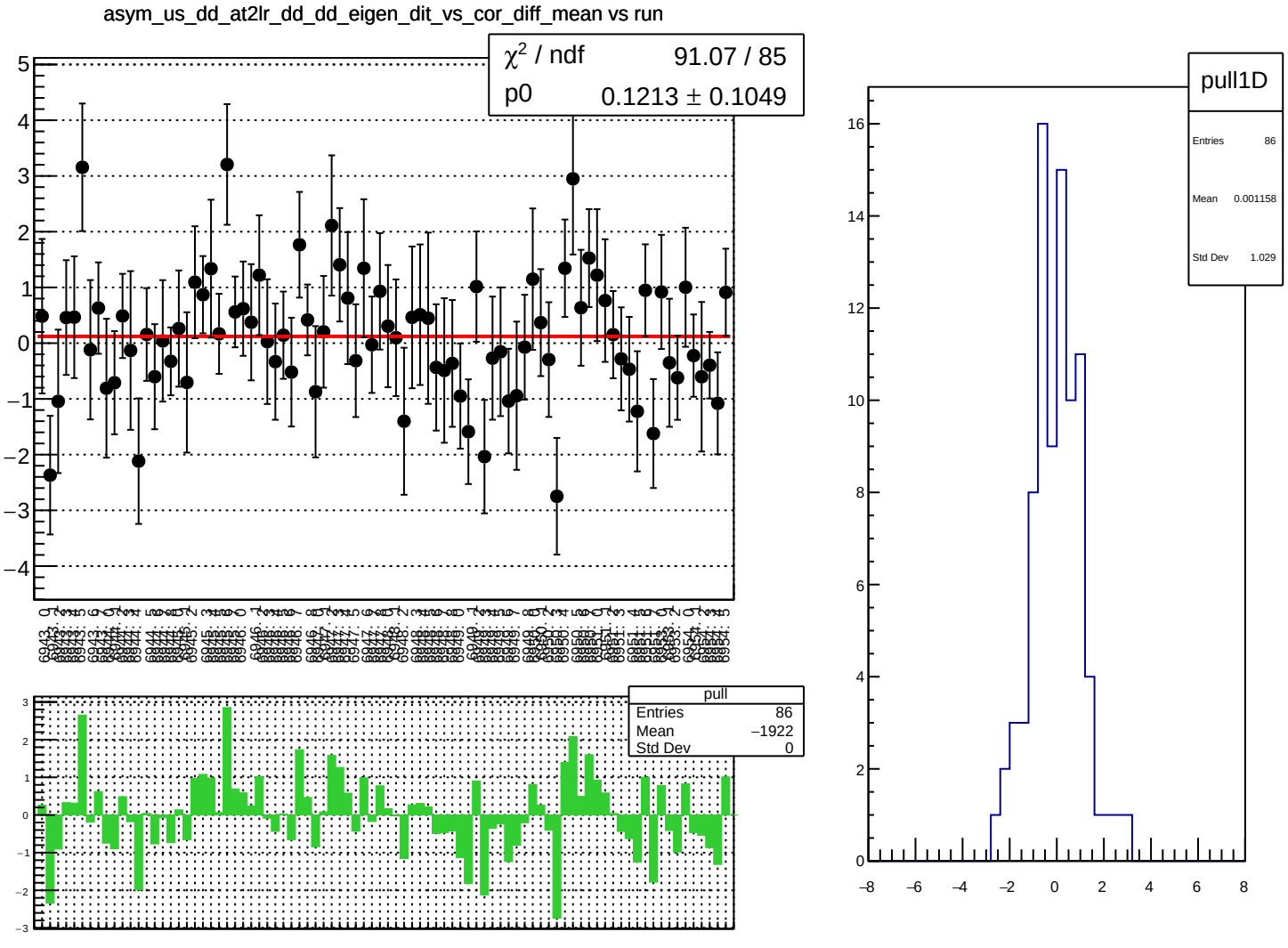

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.06 / 85
p0 0.1213 ± 0.1049
pull
Entries 86
Mean −1915
Std Dev 0
pull1D
Entries 86
Mean 0.001162
Std Dev 1.029

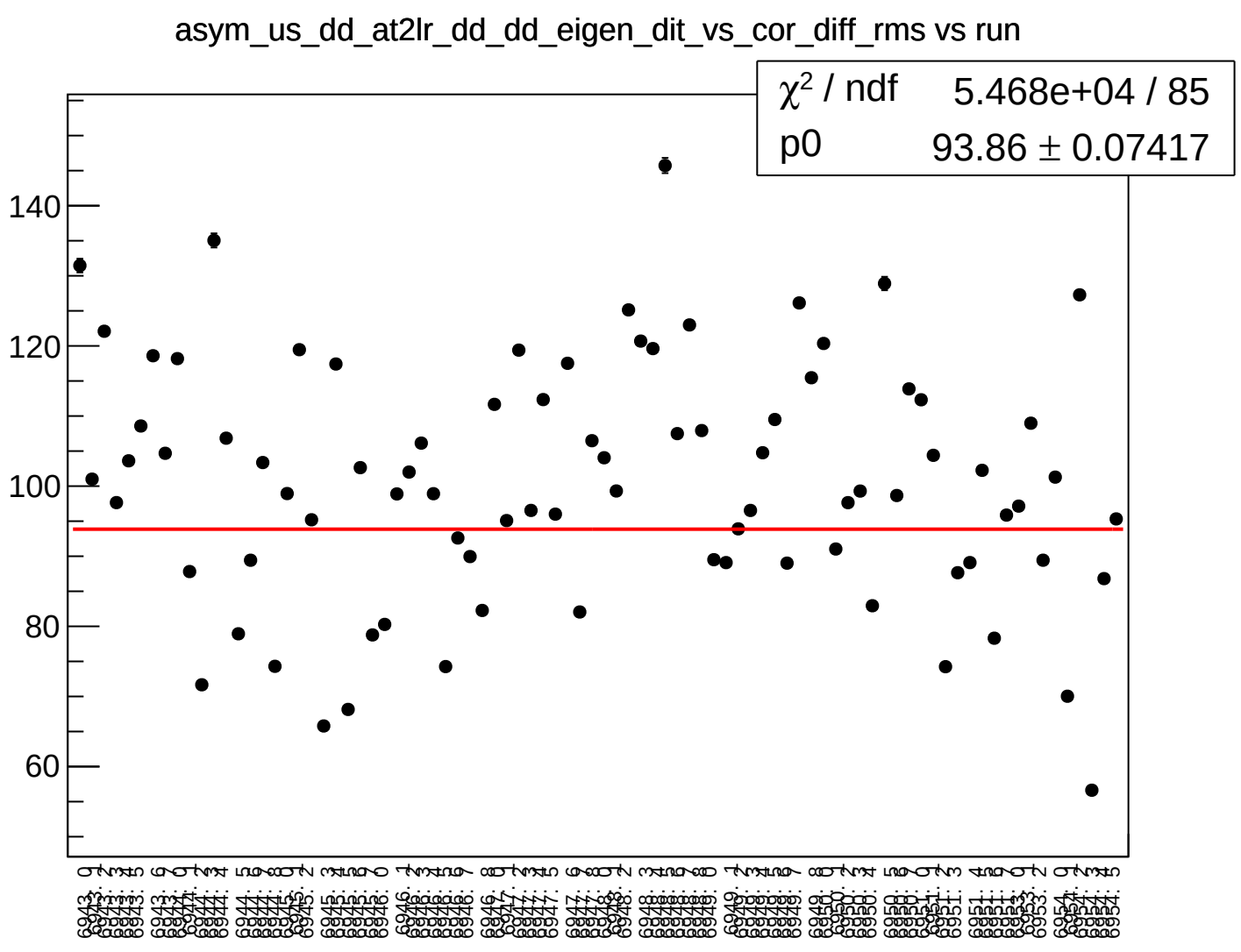

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.468e+04 / 85
p0 93.86 ± 0.07417
140
120
100
80
60

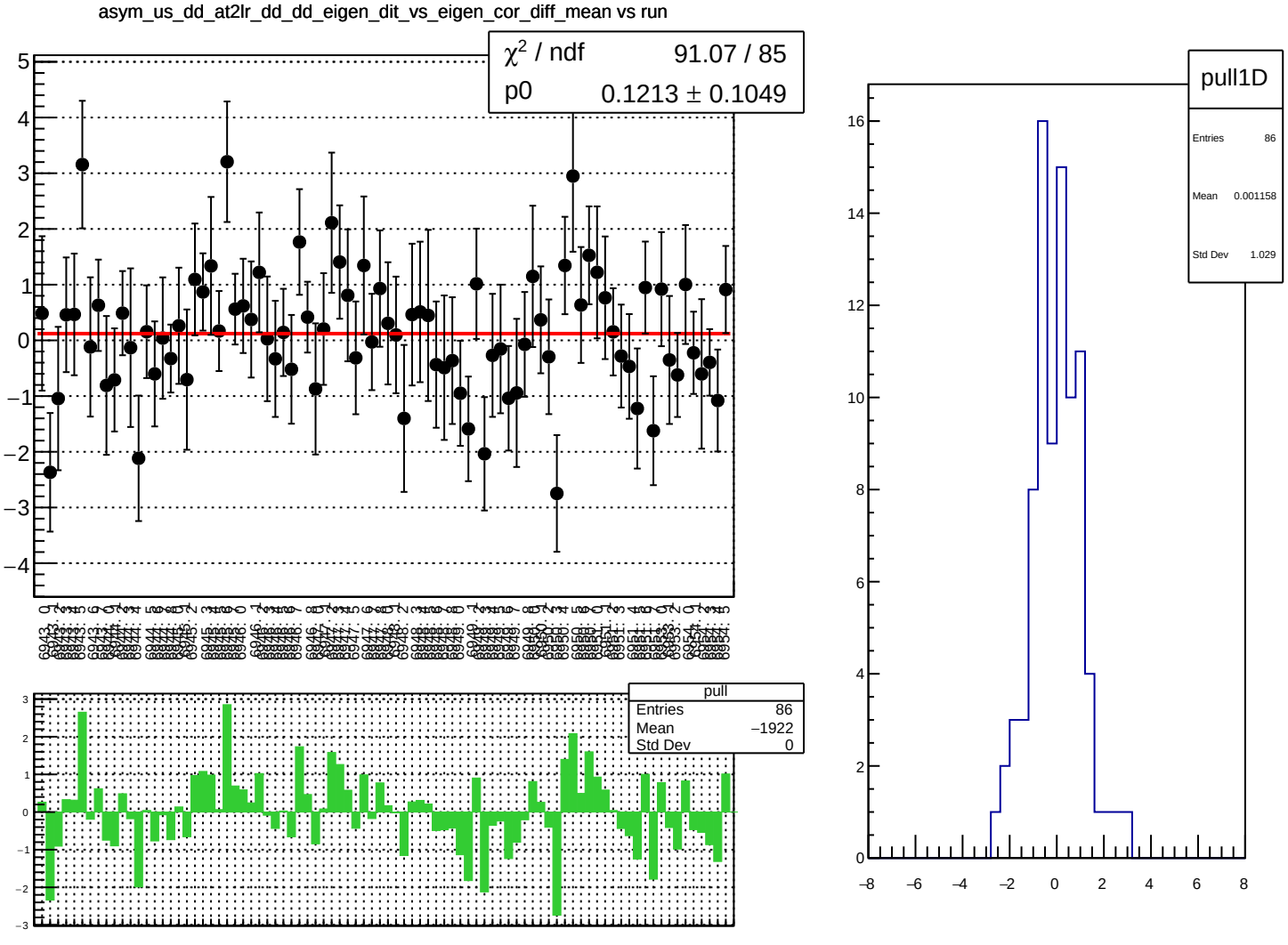

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.69 / 85
p0 −3.613e−05 ± 1.379e−05
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 86
Mean 102
Std Dev 0
2
1
0
−1
−2

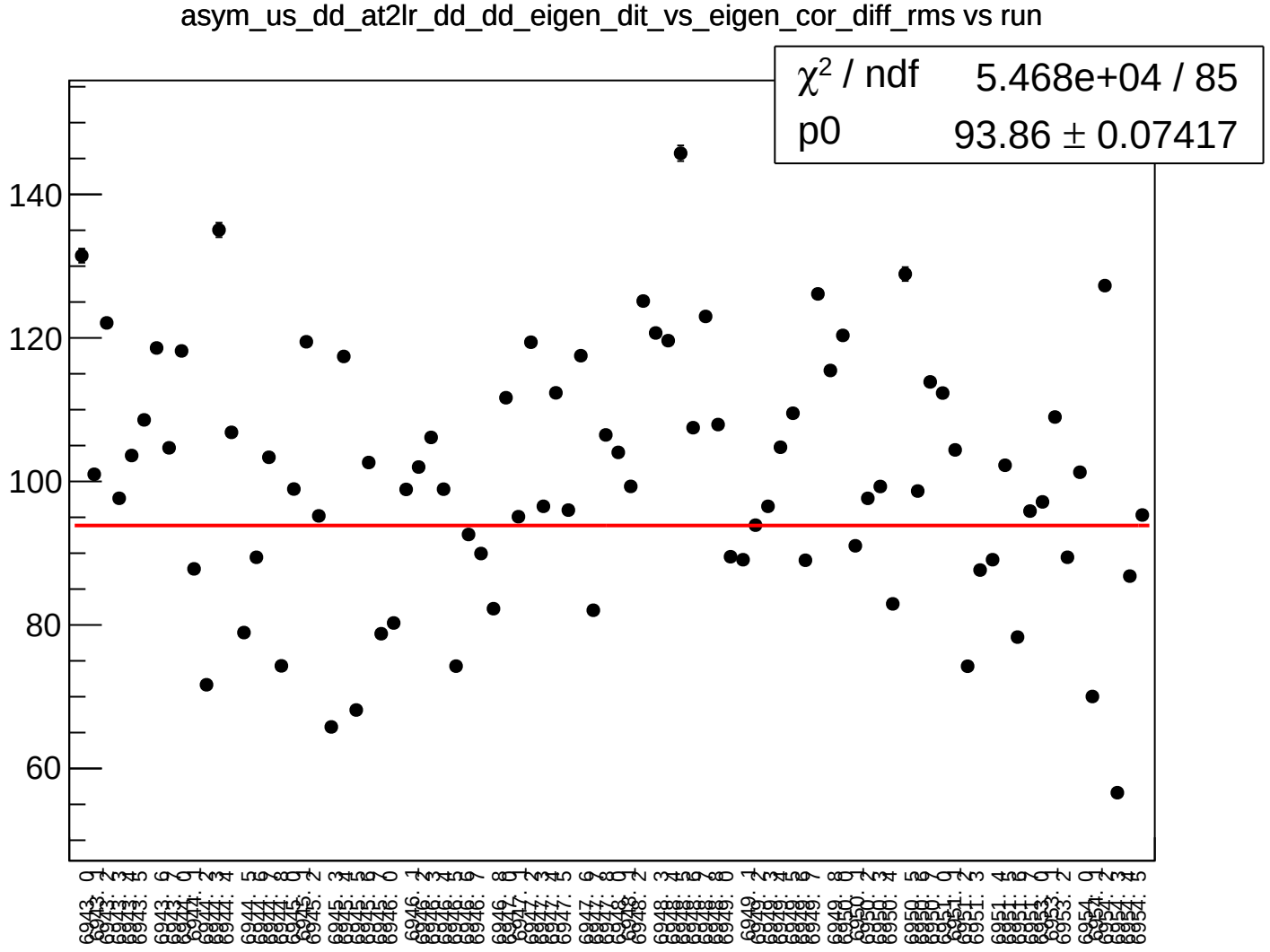

pull1D
Entries 86
Mean −0.01639
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

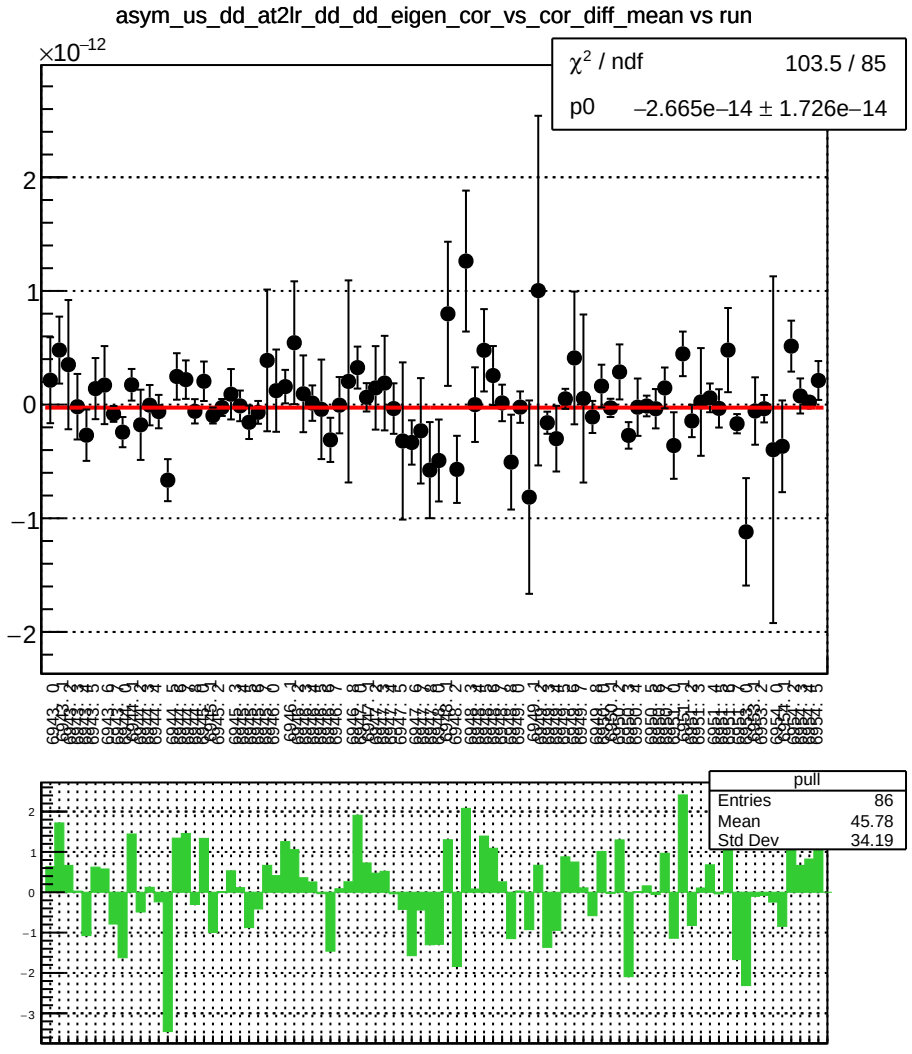

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7990 / 85
p0 0.01252 ± 9.75e−06
0.015
0.014
0.013
0.012
0.011

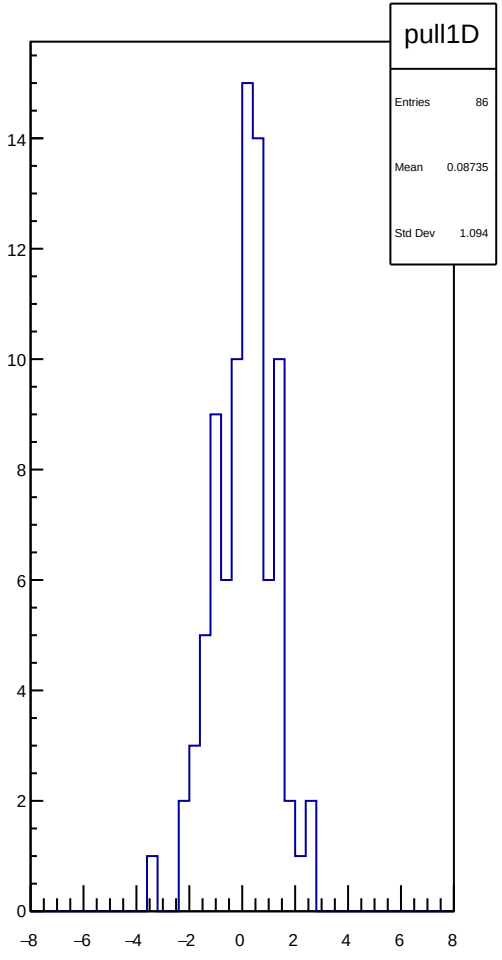

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.07 / 85
p0 0.1213 ± 0.1049
pull
Entries 86
Mean −1922
Std Dev 0
pull1D
Entries 86
Mean 0.001158
Std Dev 1.029

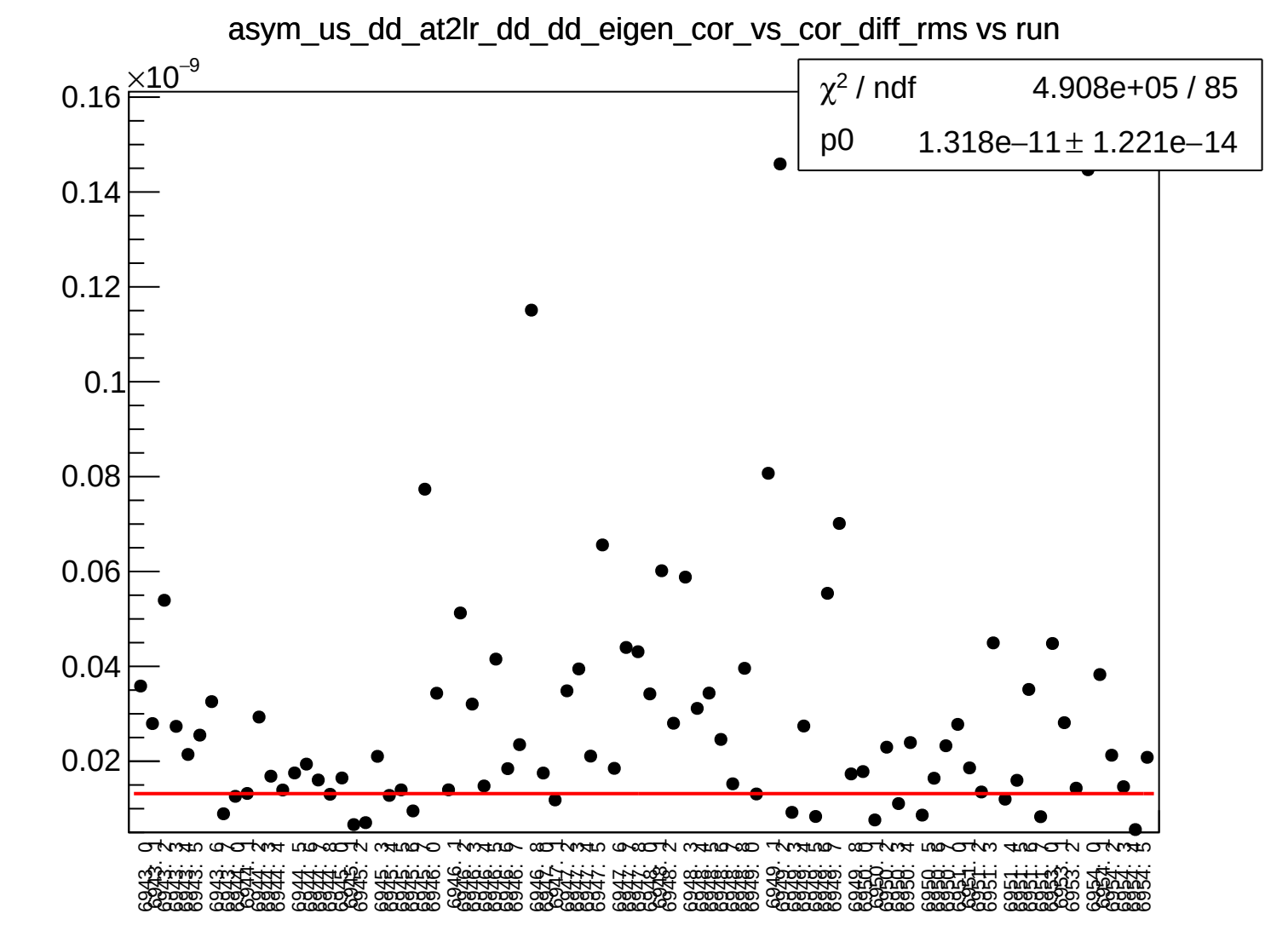

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.468e+04 / 85
p0 93.86 ± 0.07417
140
120
100
80
60

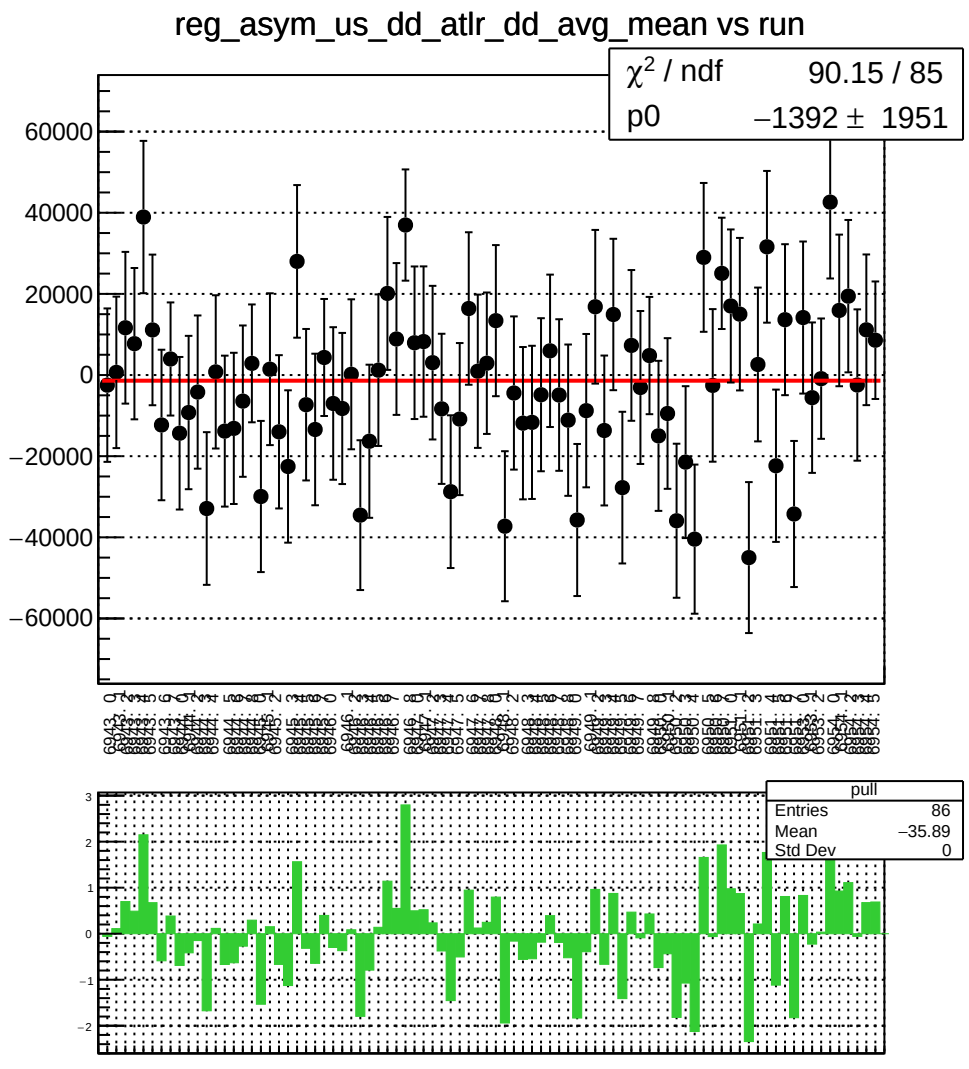

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.07 / 85
p0 0.1213 ± 0.1049
pull
Entries 86
Mean −1922
Std Dev 0
pull1D
Entries 86
Mean 0.001158
Std Dev 1.029

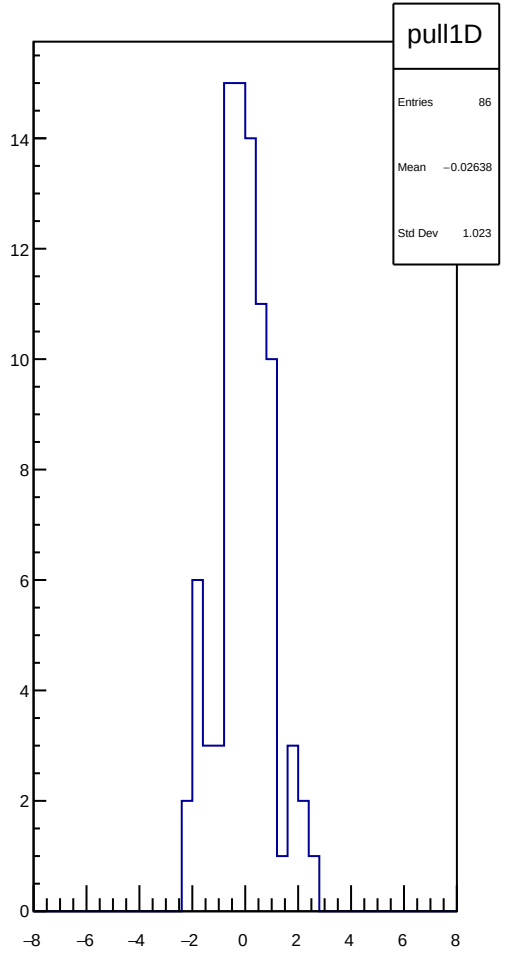

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.468e+04 / 85
p0 93.86 ± 0.07417
140
120
100
80
60

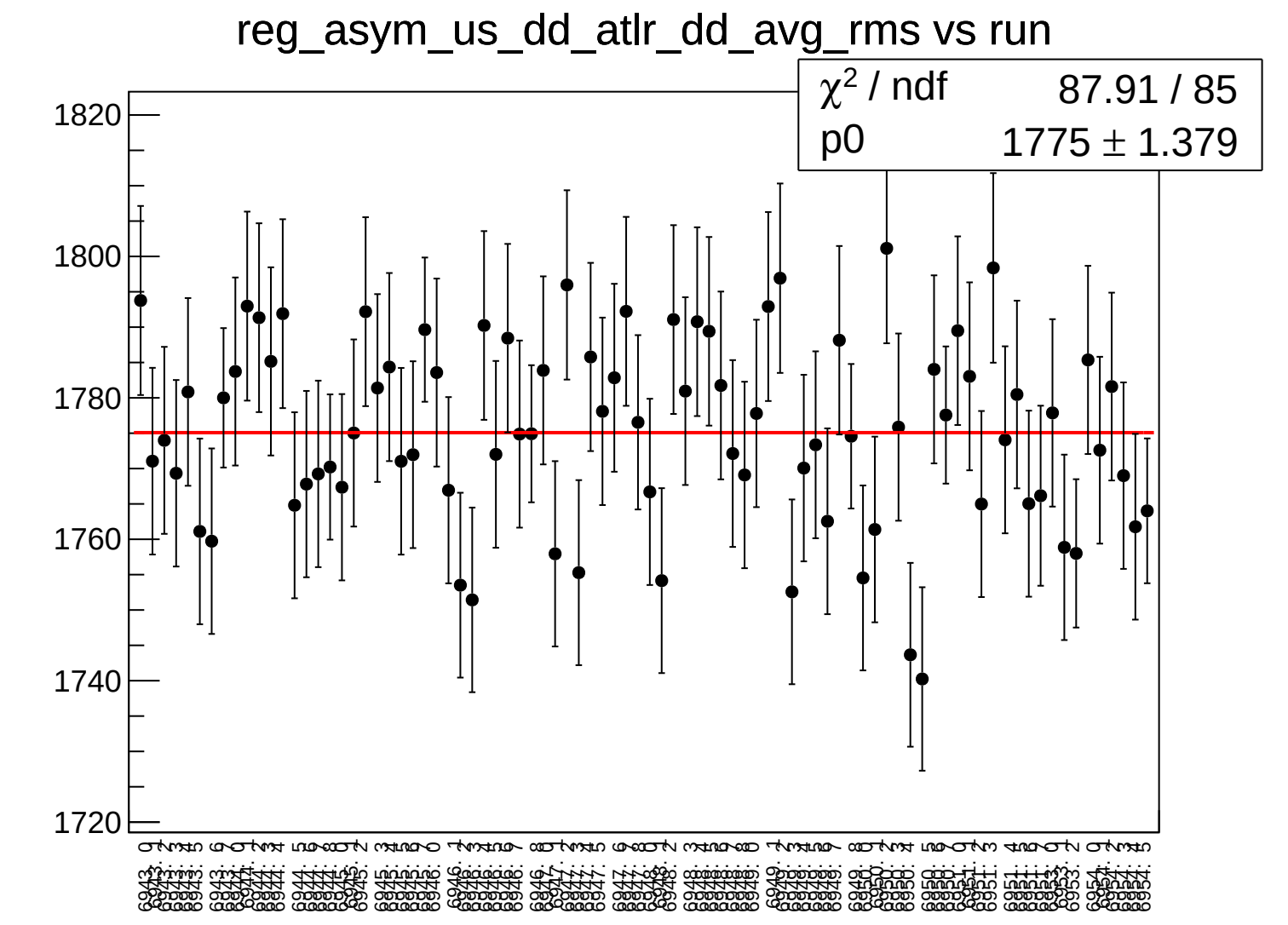

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.5 / 85
p0 −2.665e−14 ± 1.726e−14
pull
Entries 86
Mean 45.78
Std Dev 34.19

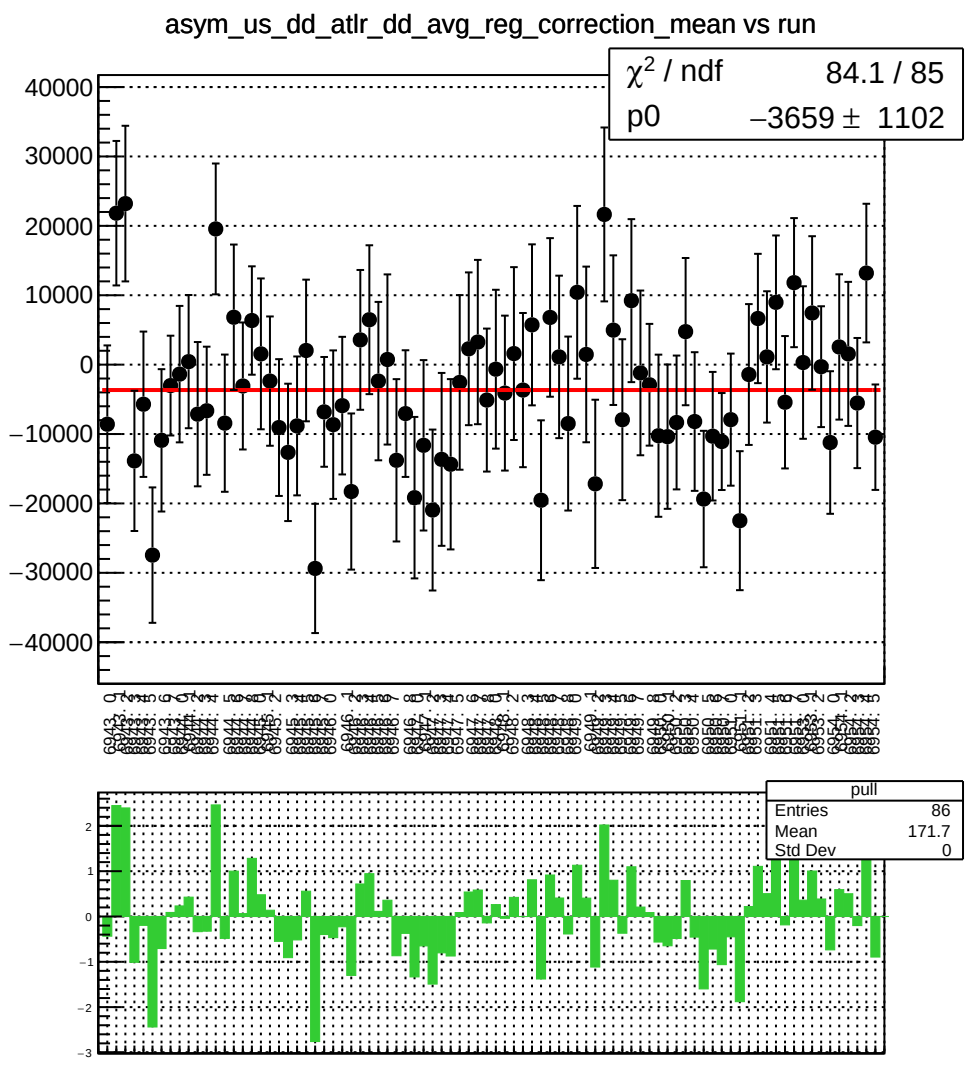

pull1D
Entries 86
Mean 0.08735
Std Dev 1.094

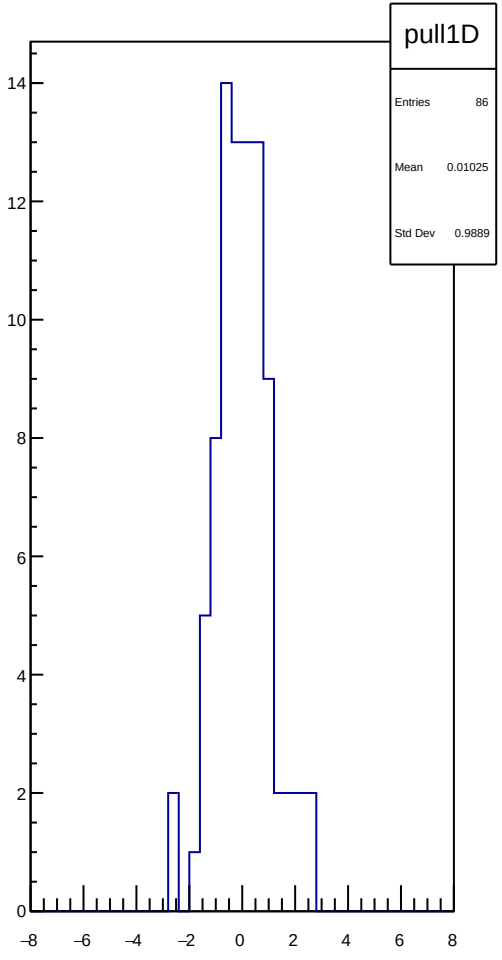

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.908e+05 / 85
p0 1.318e−11 ± 1.221e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

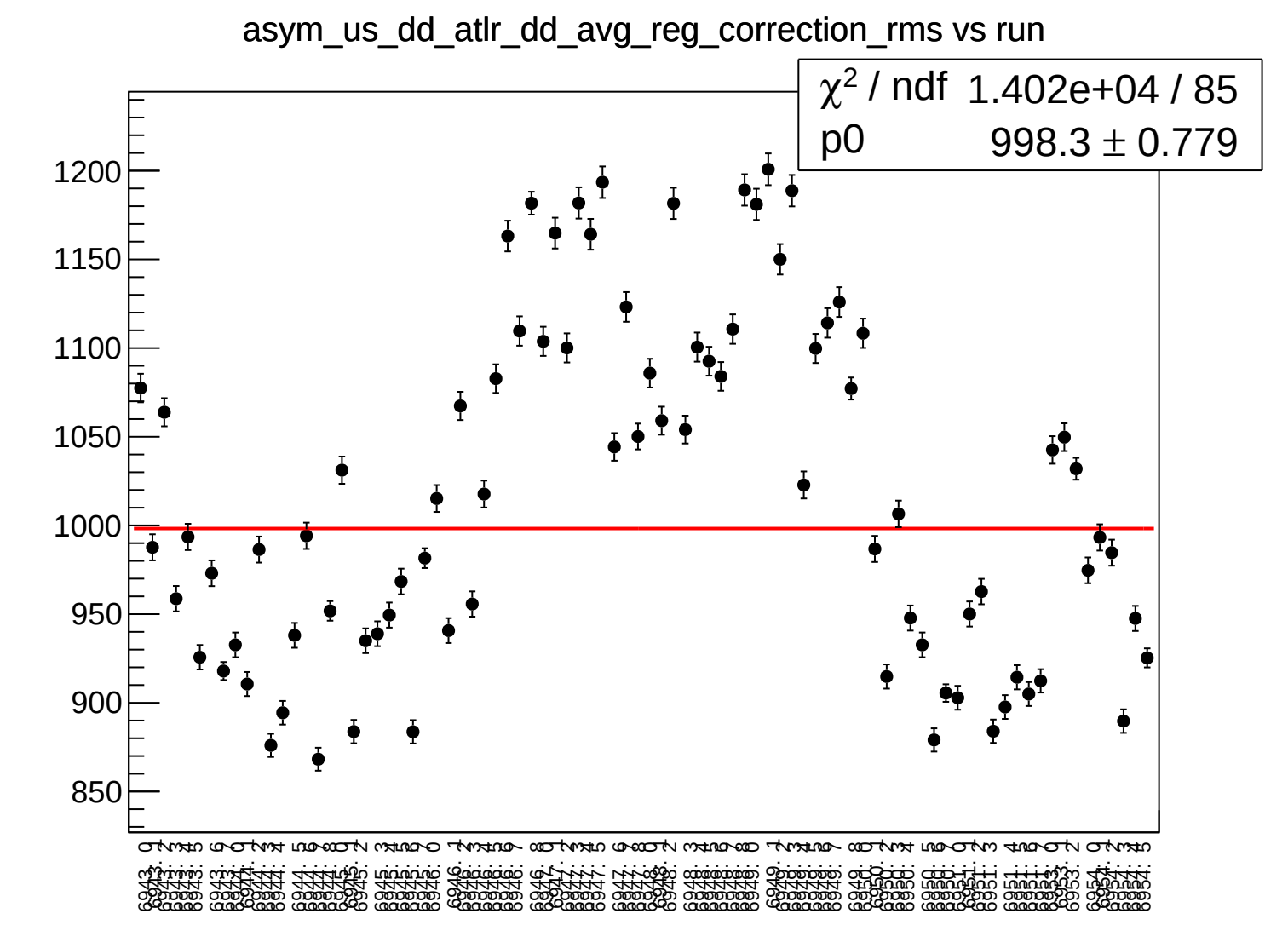

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 90.15 / 85
p0 −1392 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −35.89
Std Dev 0
3
2
1
0
−1
−2

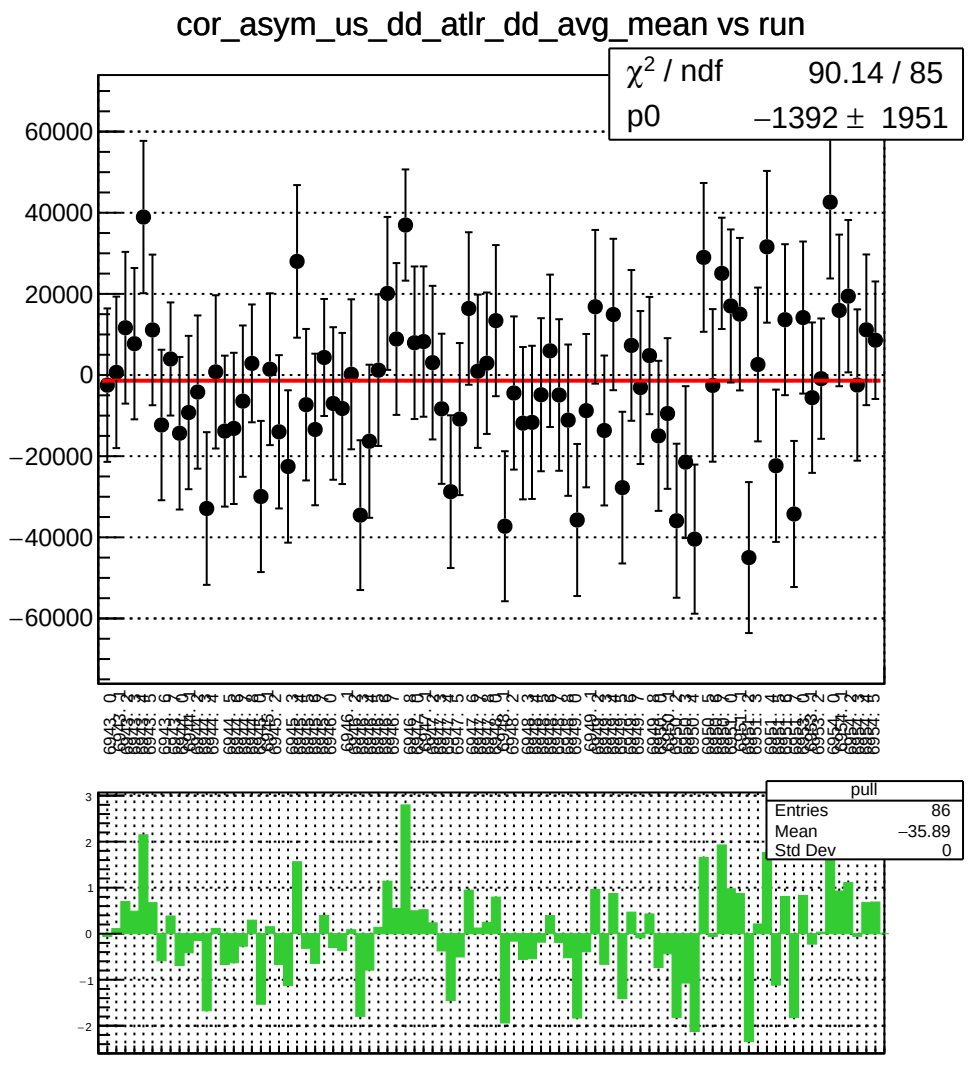

pull1D
Entries 86
Mean −0.02638
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

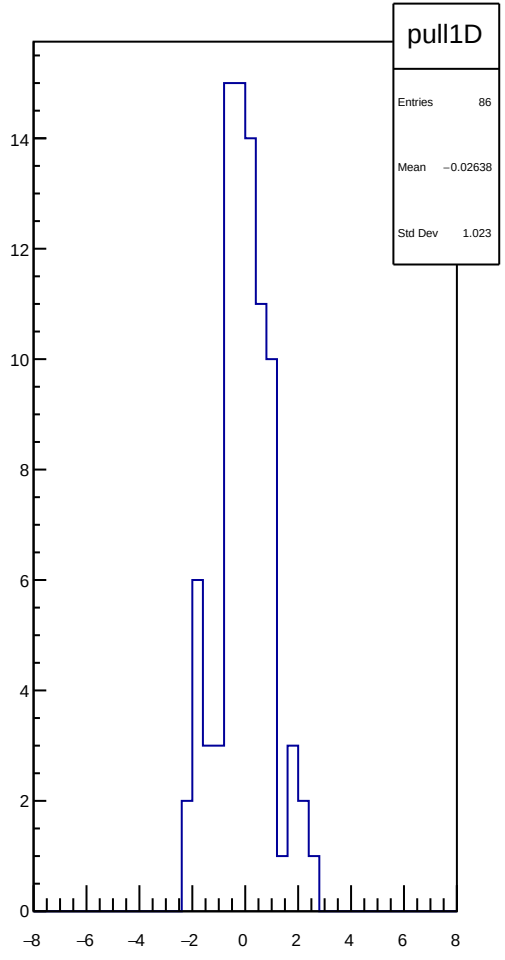

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ^2 / ndf 87.91 / 85
p0 1775 ± 1.379
1820
1800
1780
1760
1740
1720

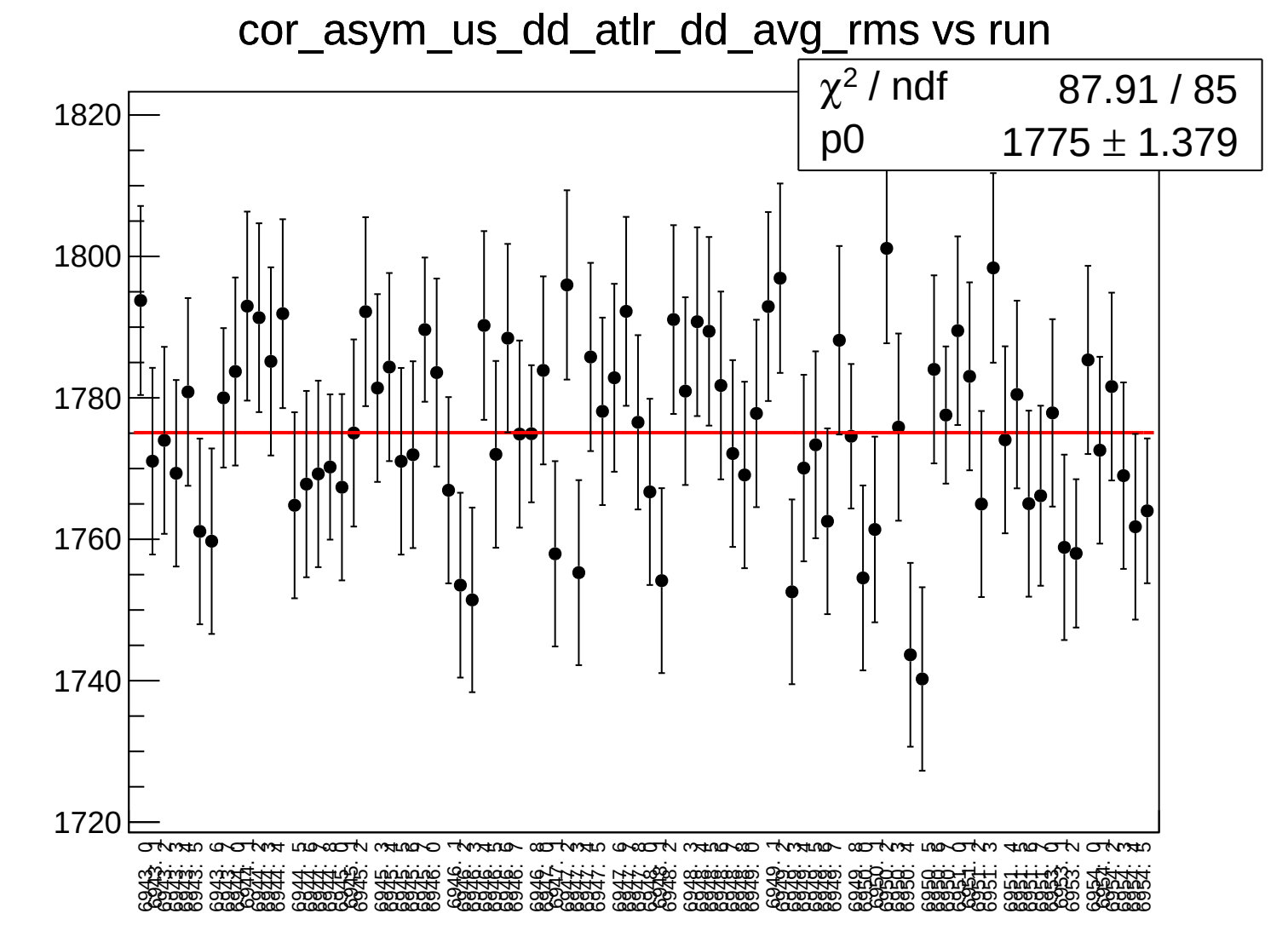

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 84.1 / 85
p0 −3659 ± 1102
pull
Entries 86
Mean 171.7
Std Dev 0

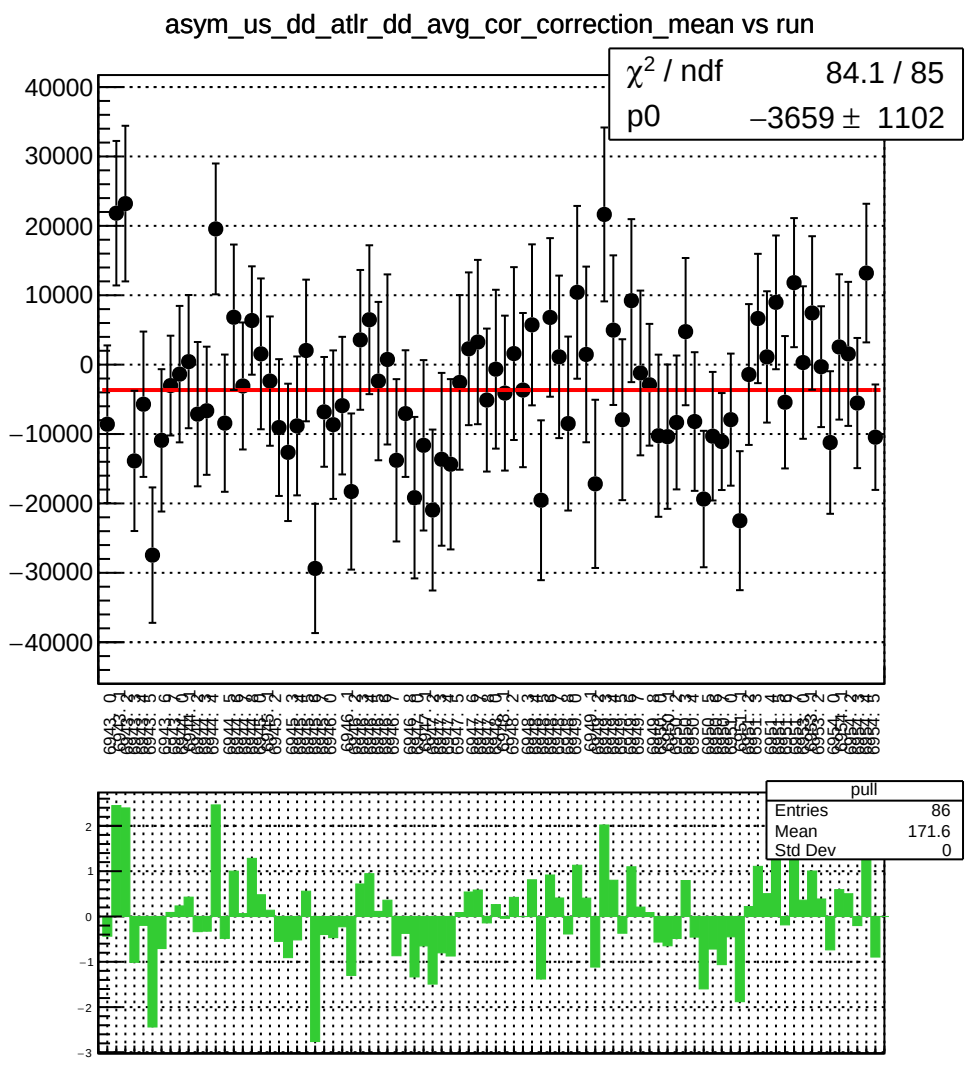

pull1D
Entries 86
Mean 0.01025
Std Dev 0.9889

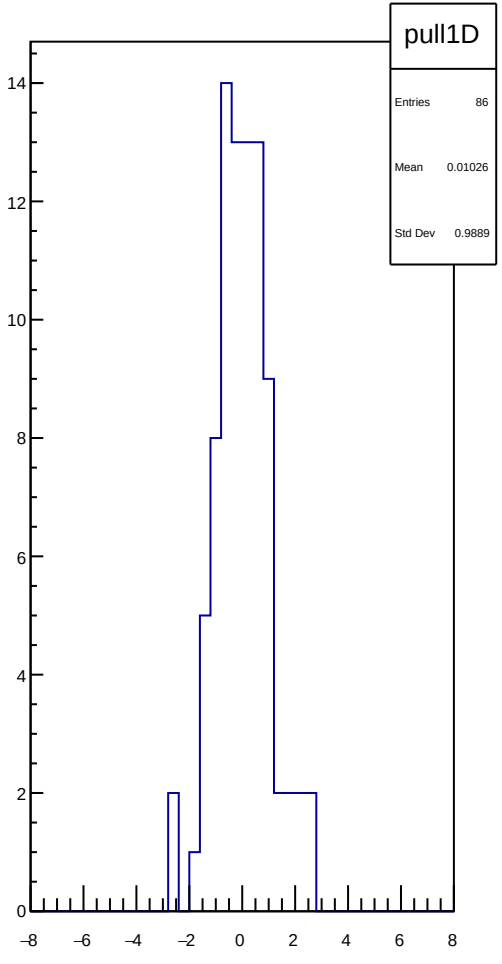

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.402e+04 / 85
p0 998.3 ± 0.779
1200
1150
1100
1050
1000
950
900
850

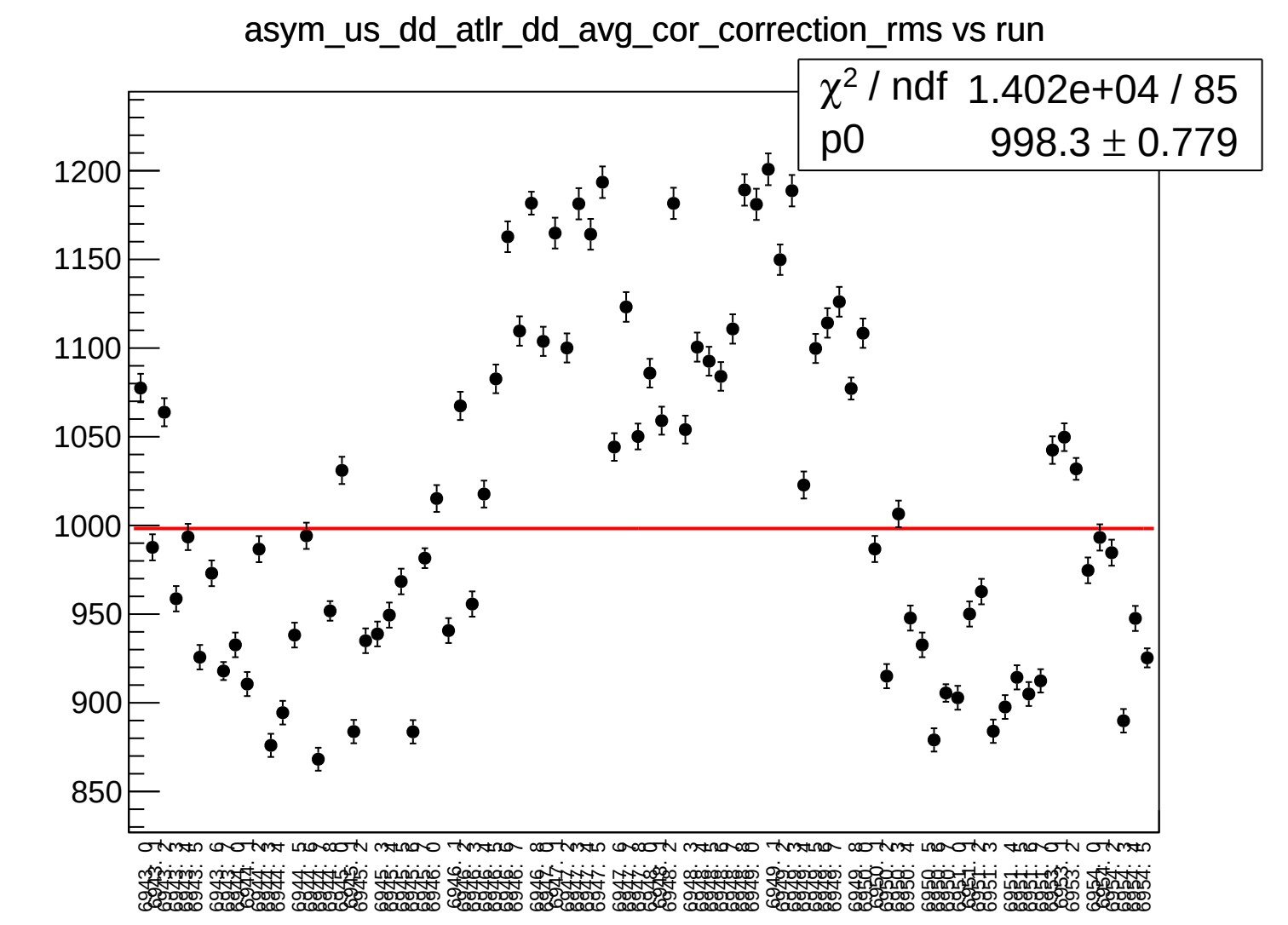

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 90.14 / 85
p0 −1392 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −35.89
Std Dev 0
3
2
1
0
−1
−2

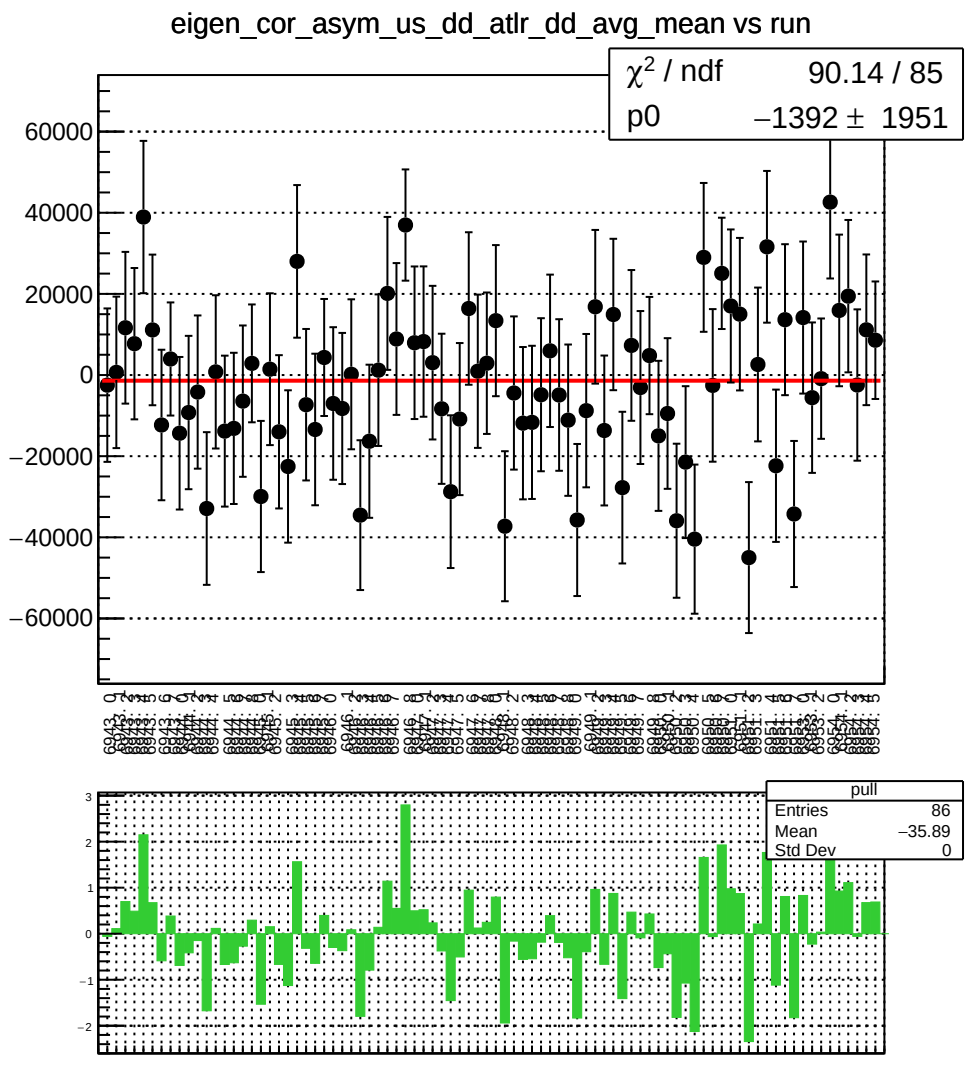

pull1D
Entries 86
Mean −0.02638
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

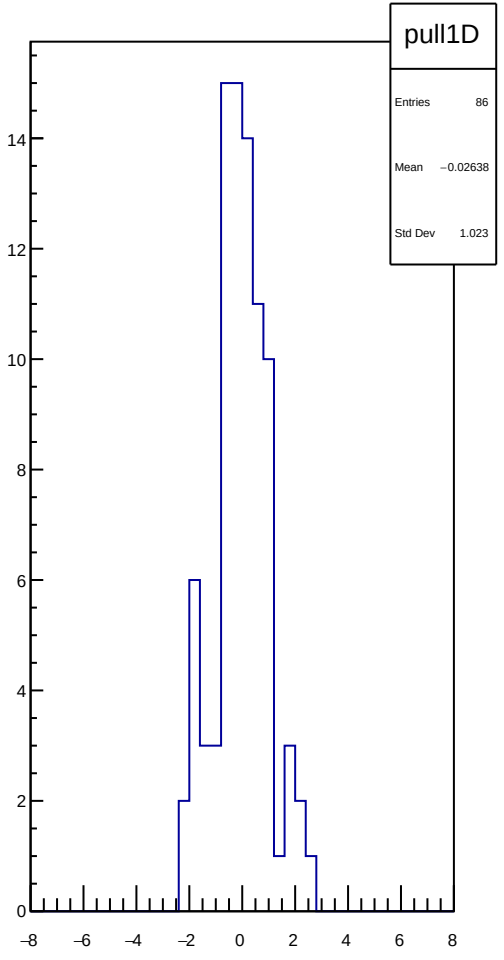

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 87.91 / 85
p0 1775 ± 1.379
1820
1800
1780
1760
1740
1720

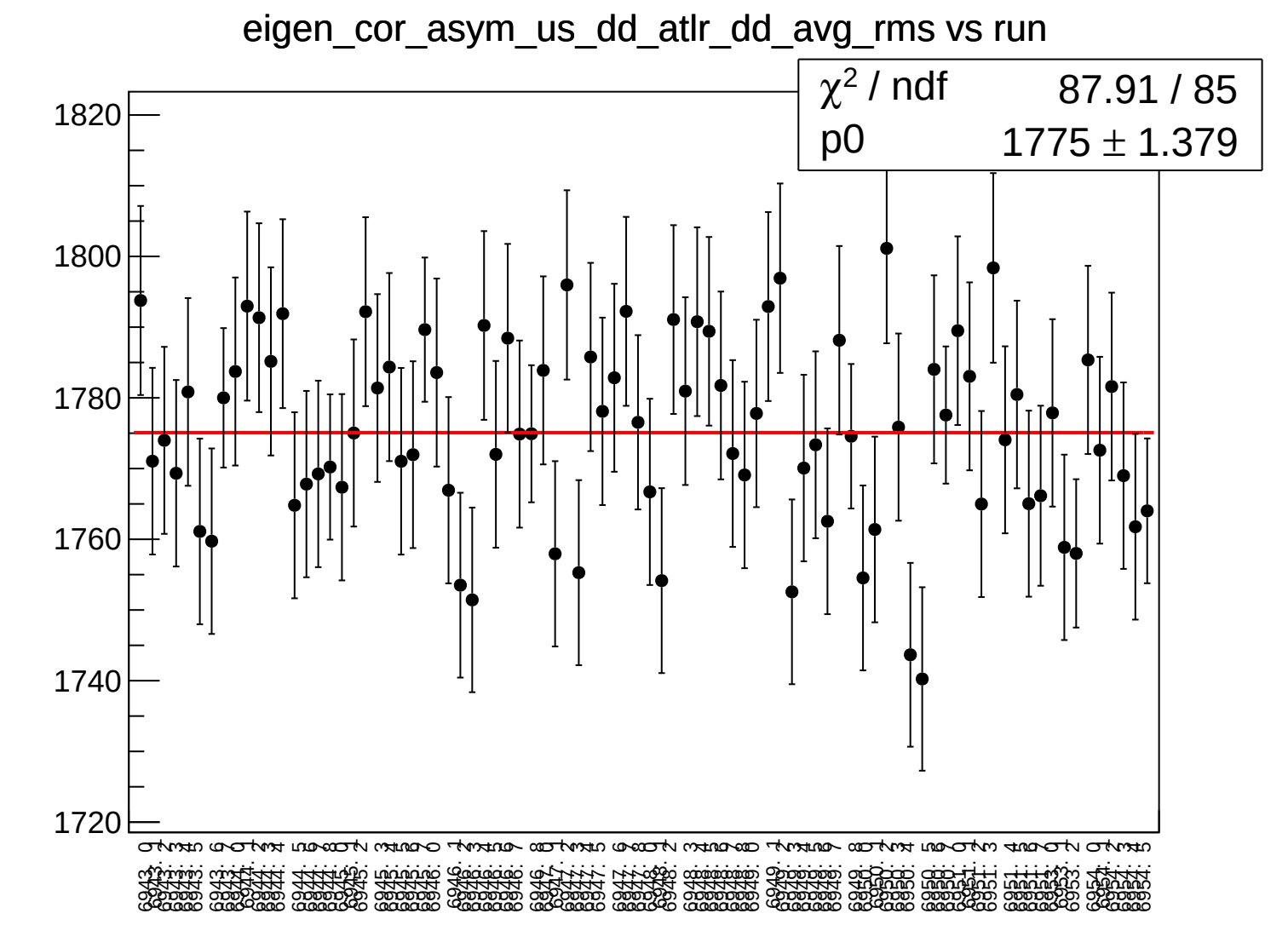

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 84.1 / 85
p0 −3659 ± 1102
pull
Entries 86
Mean 171.6
Std Dev 0

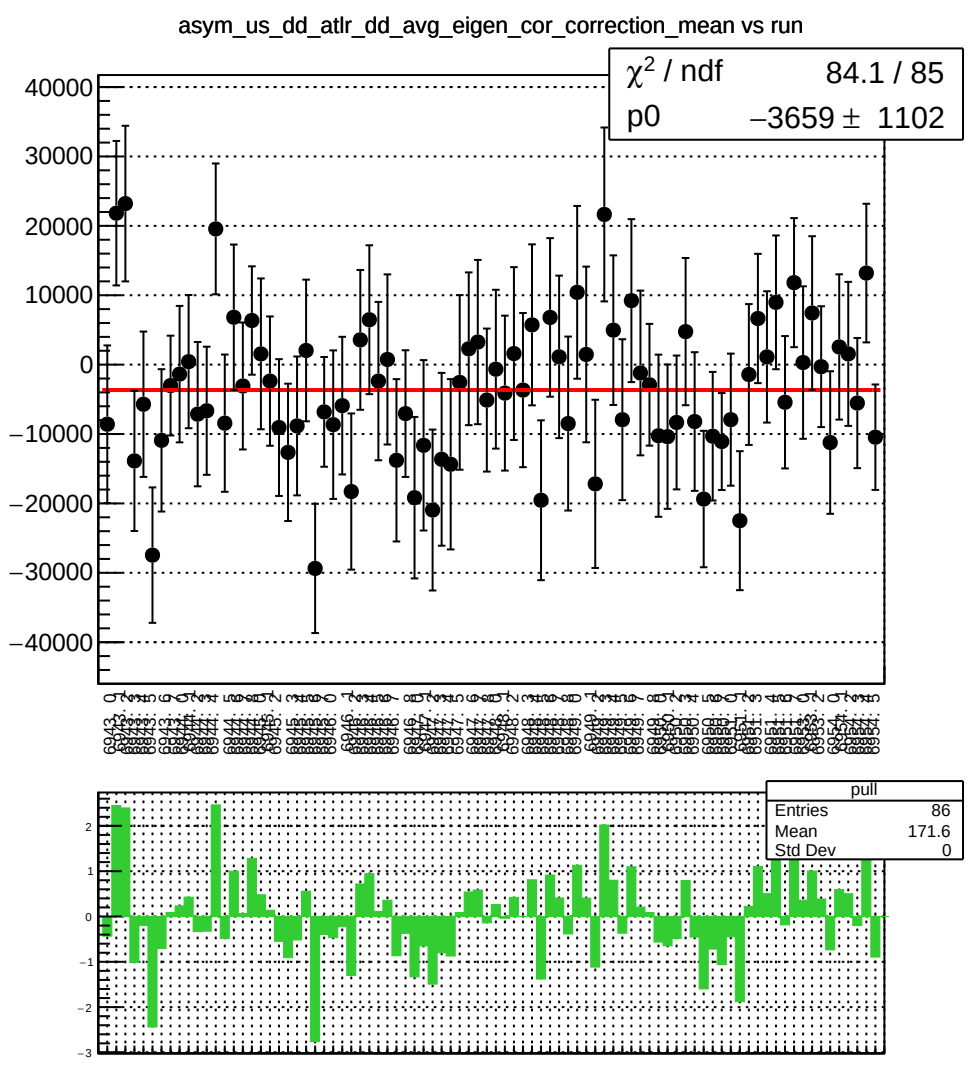

pull1D
Entries 86
Mean 0.01026
Std Dev 0.9889

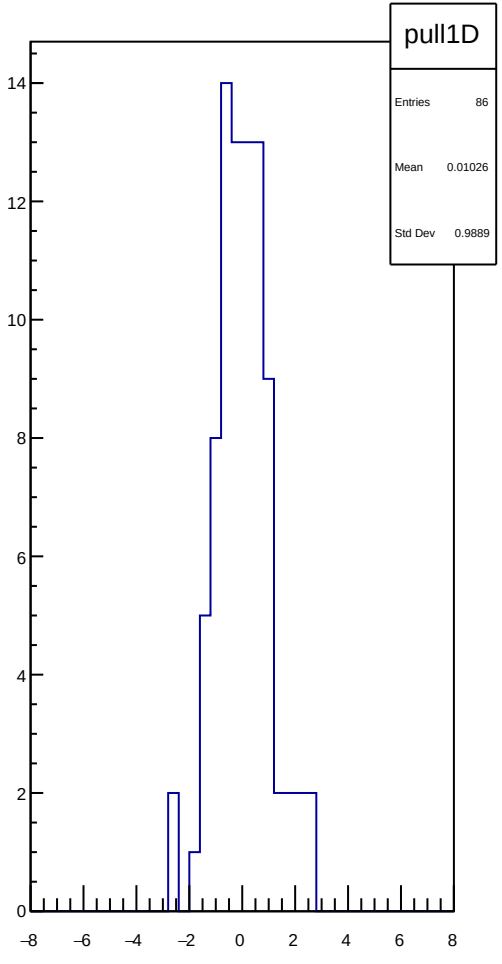

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.402e+04 / 85
p0 998.3 ± 0.779
1200
1150
1100
1050
1000
950
900
850

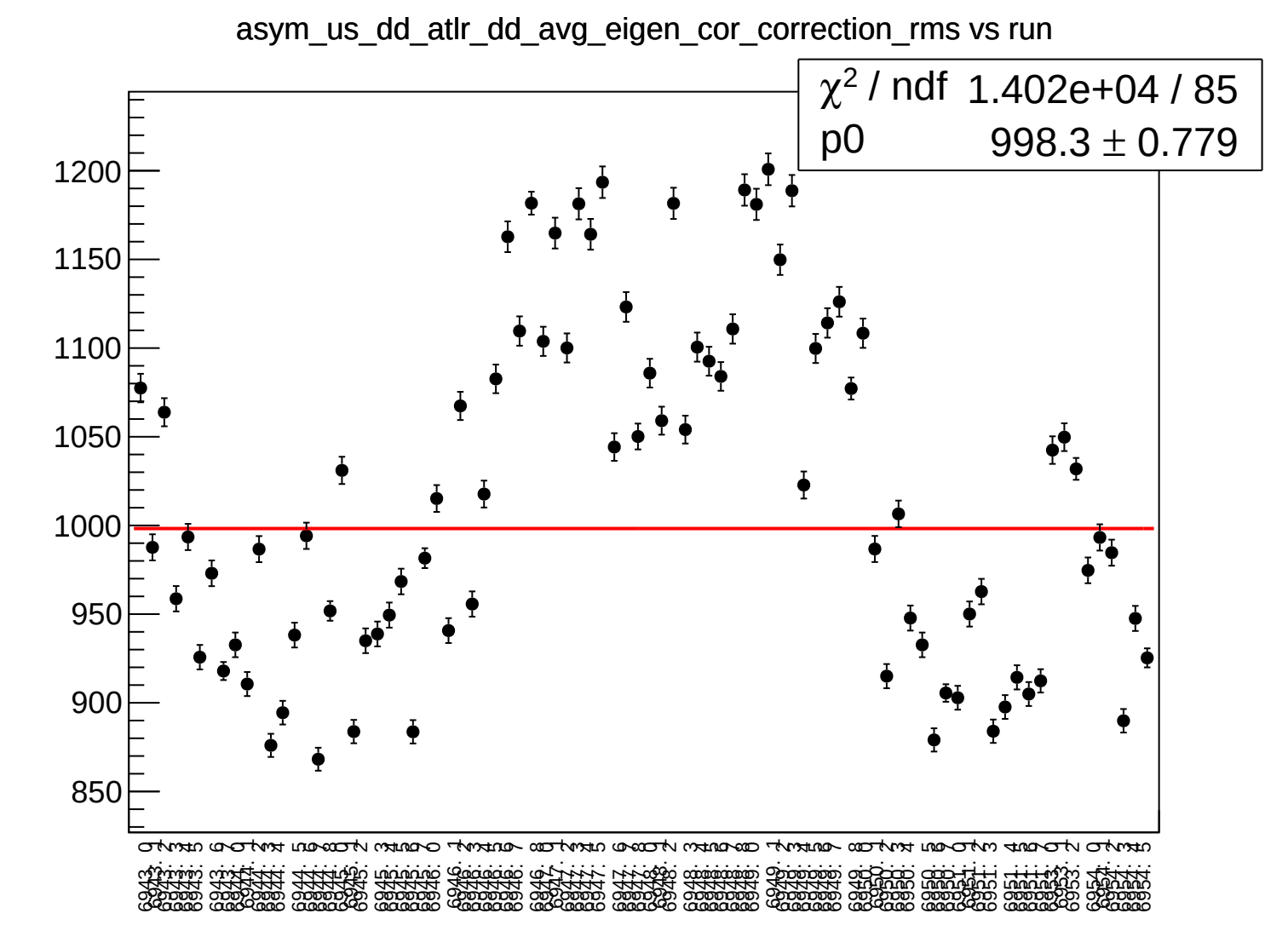

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 90.14 / 85
p0 −1392 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −35.89
Std Dev 0
3
2
1
0
−1
−2

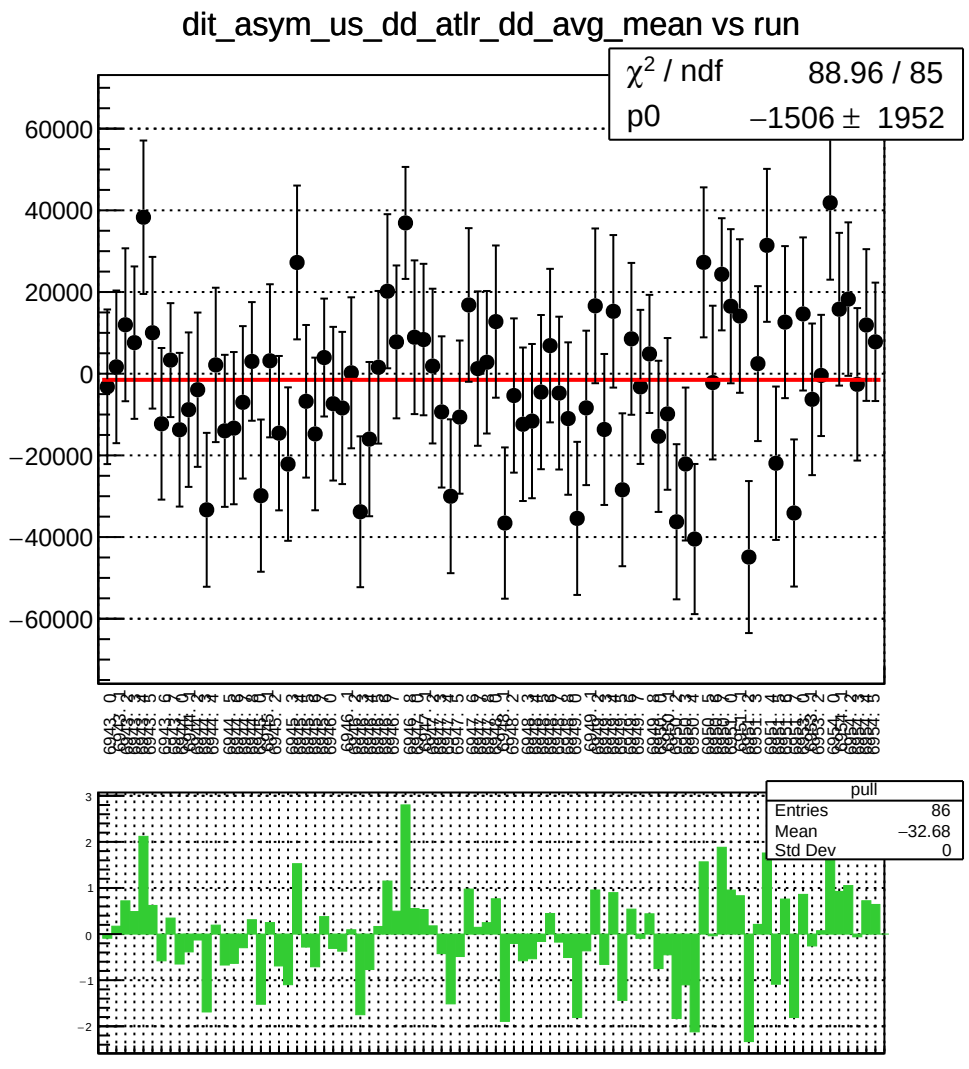

pull1D
Entries 86
Mean −0.02638
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

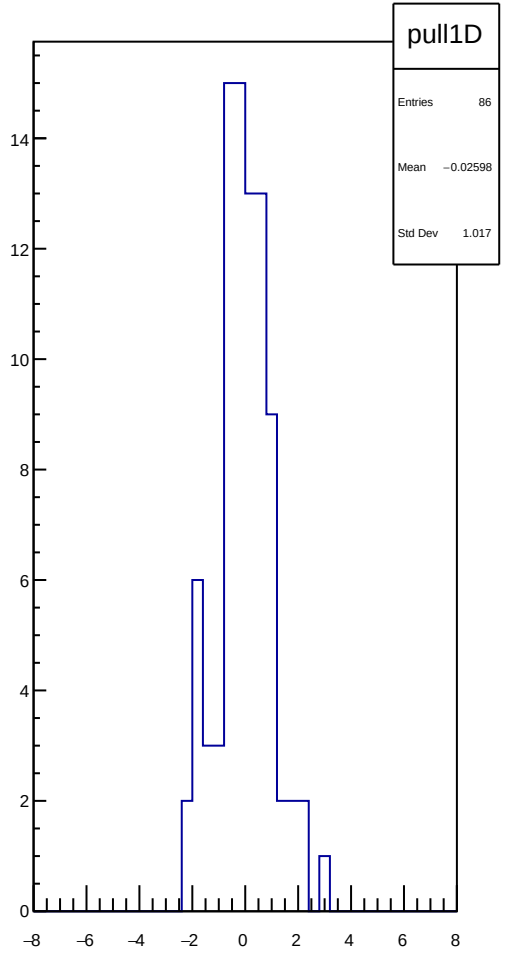

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 87.91 / 85
p0 1775 ± 1.379
1820
1800
1780
1760
1740
1720

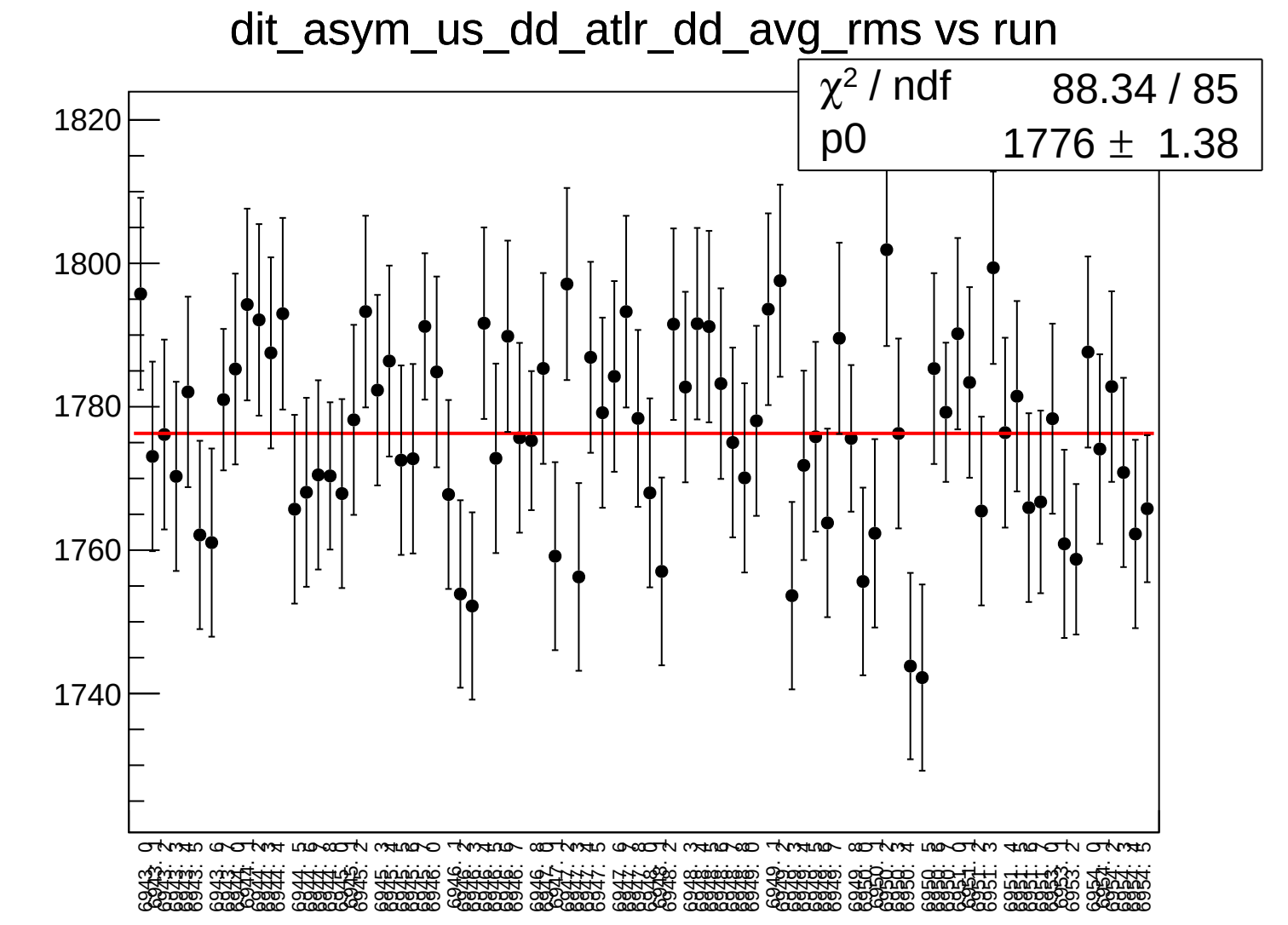

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.1 / 85
p0 −3659 ± 1102
pull
Entries 86
Mean 171.6
Std Dev 0

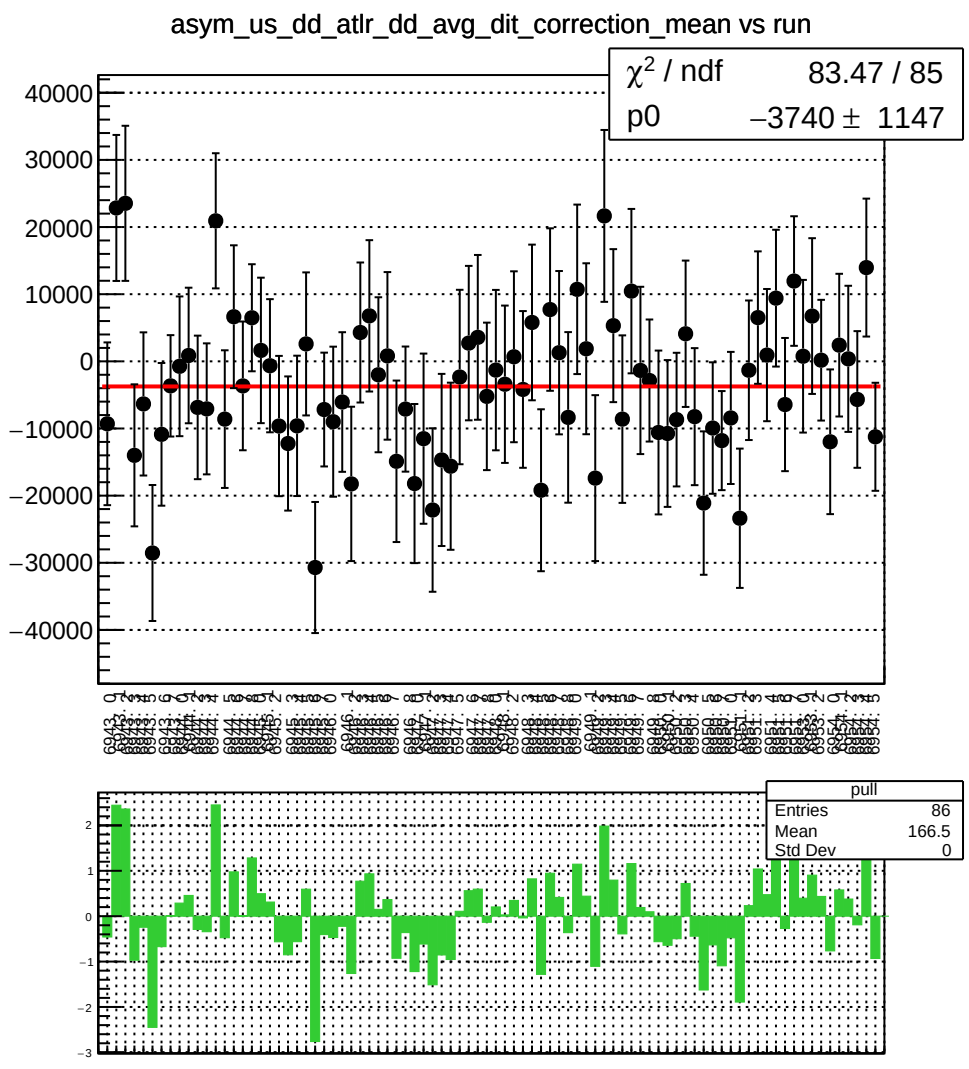

pull1D
Entries 86
Mean 0.01026
Std Dev 0.9889

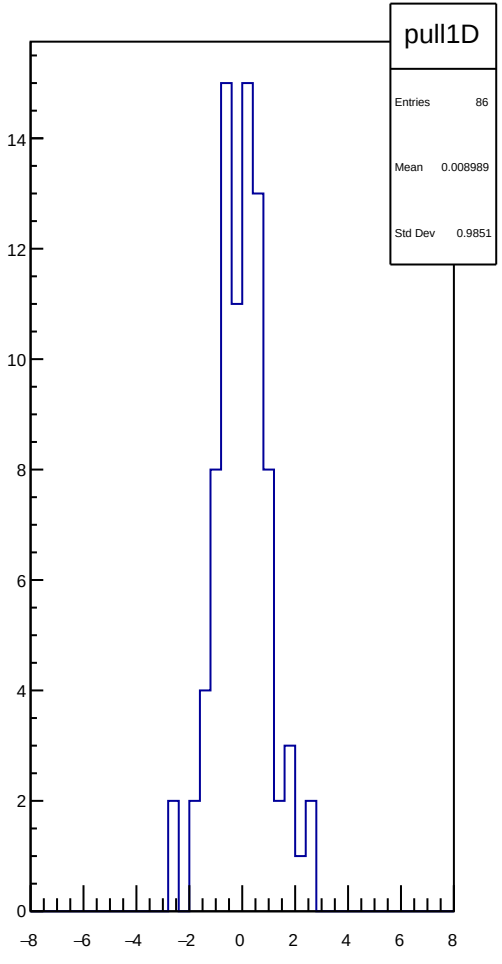

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.402e+04 / 85
p0 998.3 ± 0.779
1200
1150
1100
1050
1000
950
900
850

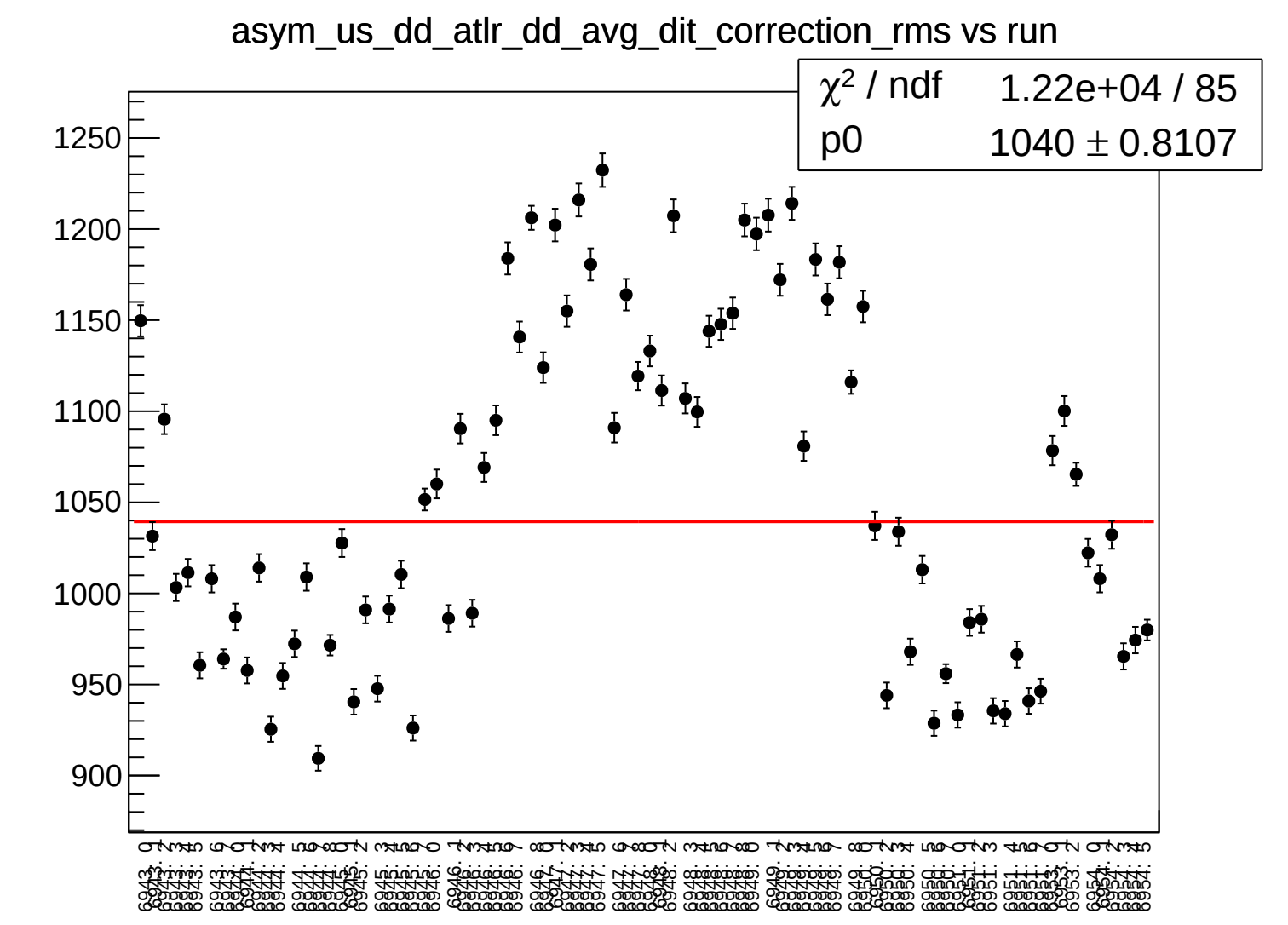

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 88.96 / 85
p0 −1506 ± 1952
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −32.68
Std Dev 0
3
2
1
0
−1
−2

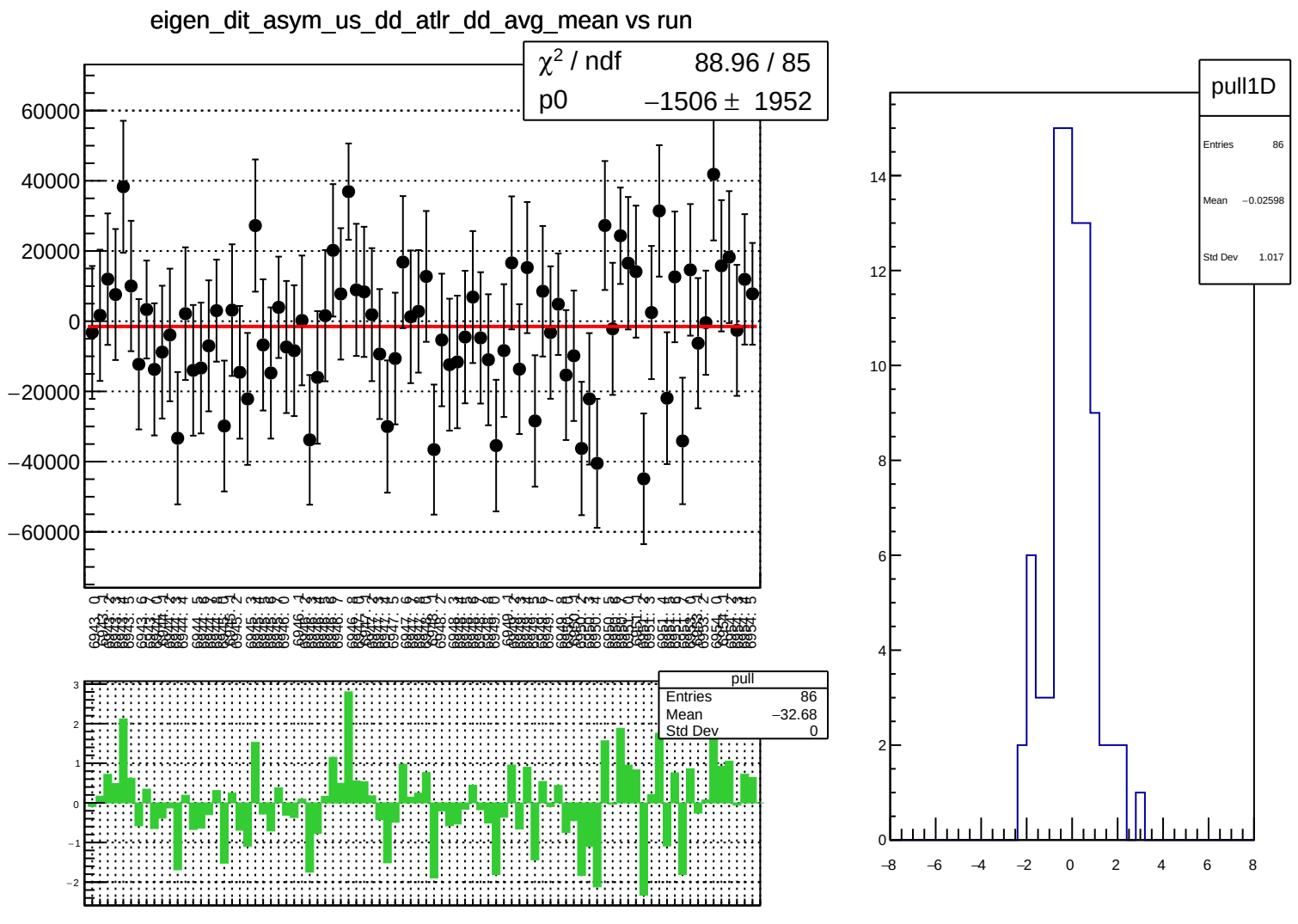

pull1D
Entries 86
Mean −0.02598
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

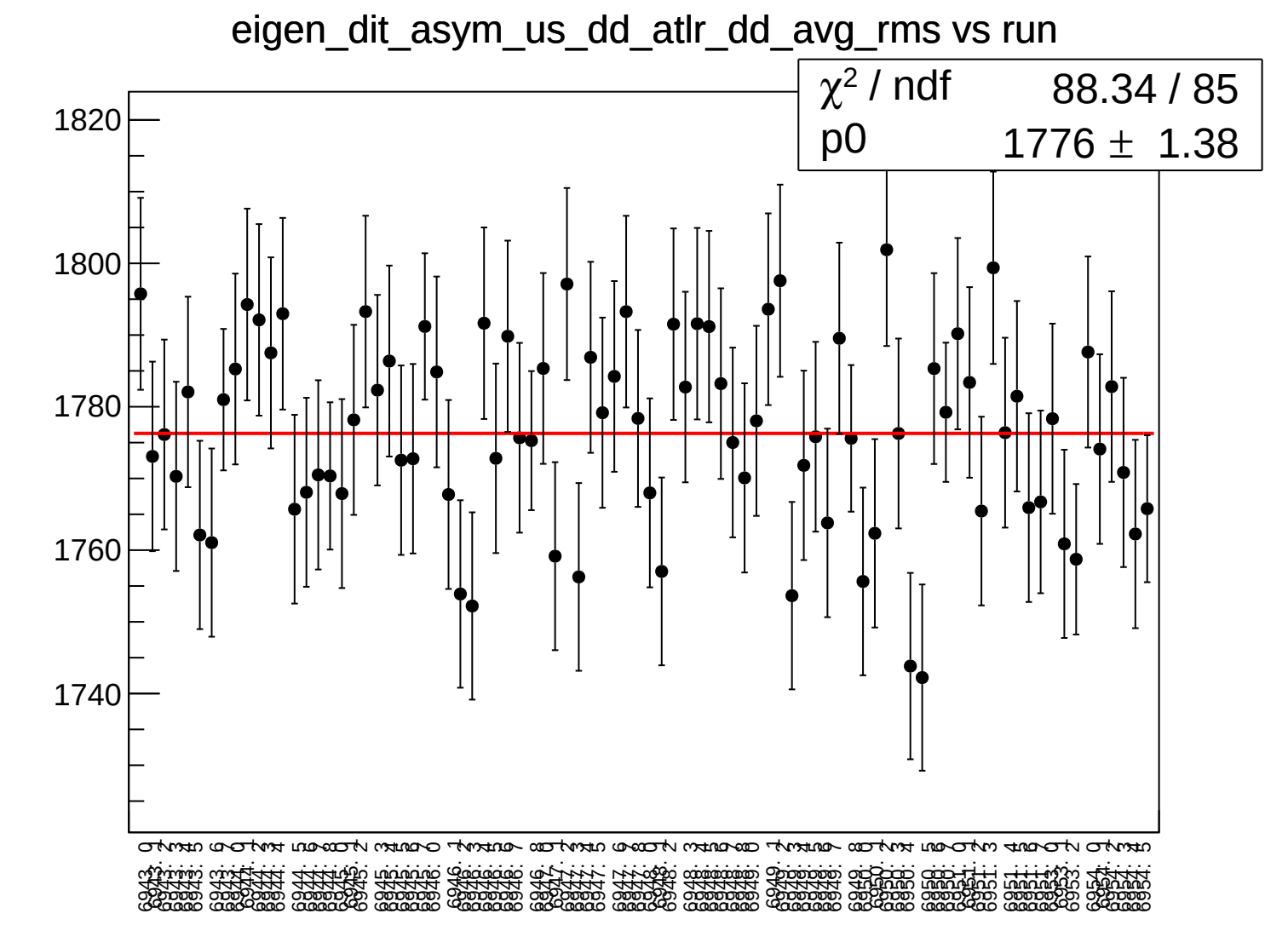

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 88.34 / 85
p0 1776 ± 1.38
1820
1800
1780
1760
1740

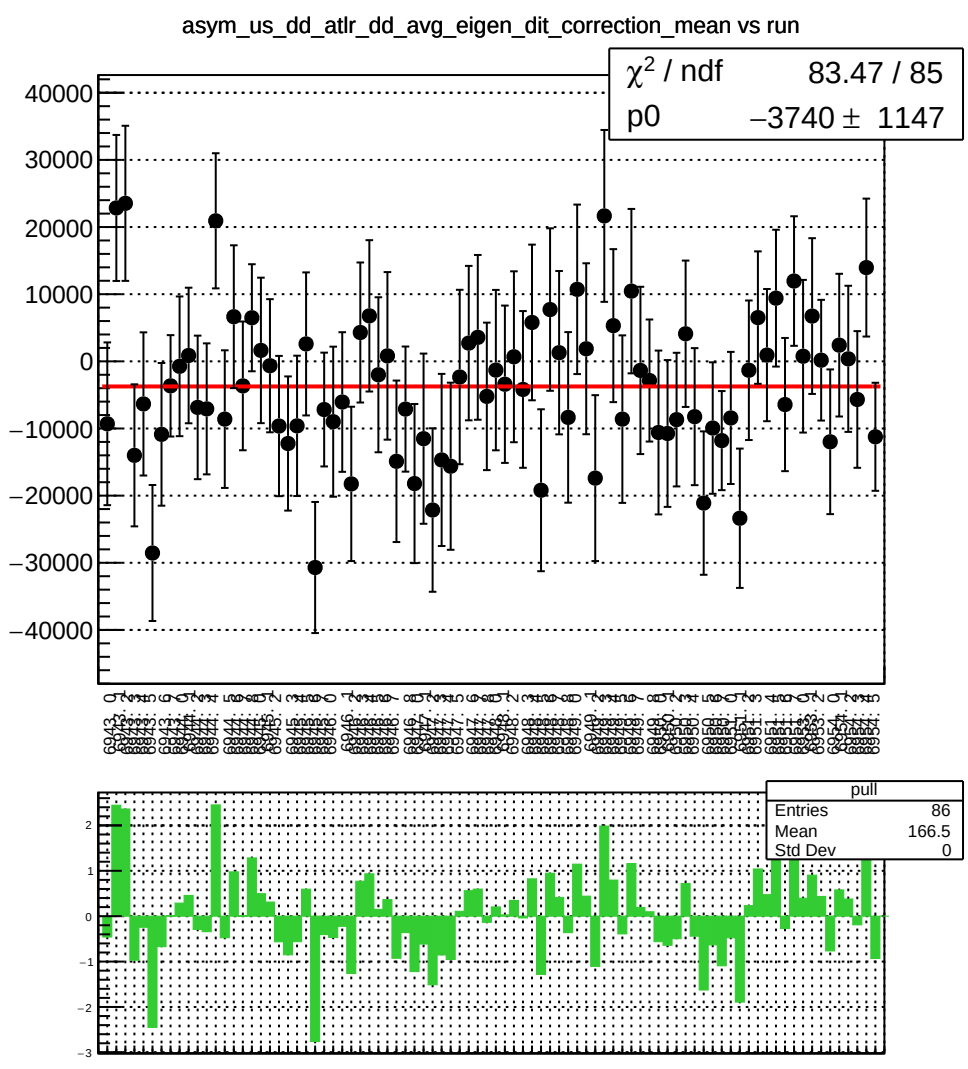

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 83.47 / 85
p0 −3740 ± 1147
pull
Entries 86
Mean 166.5
Std Dev 0

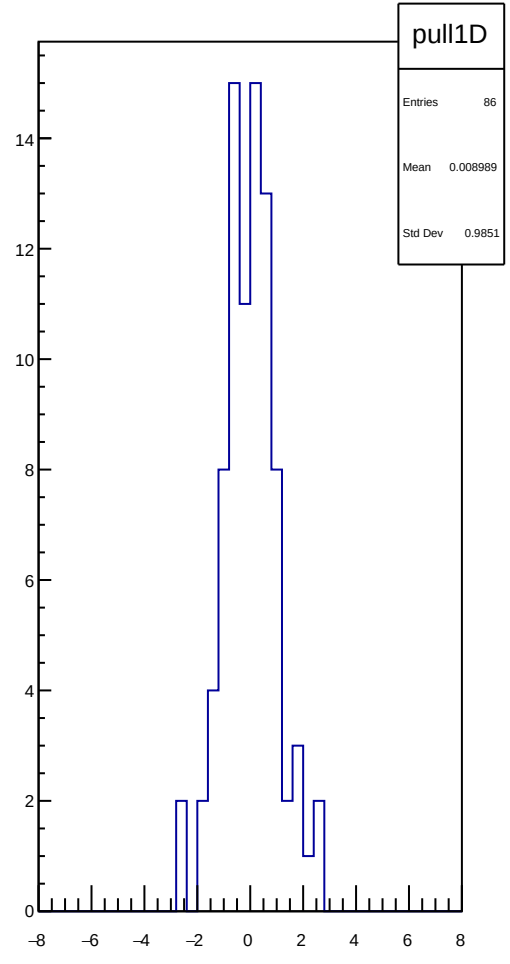

pull1D
Entries 86
Mean 0.008989
Std Dev 0.9851

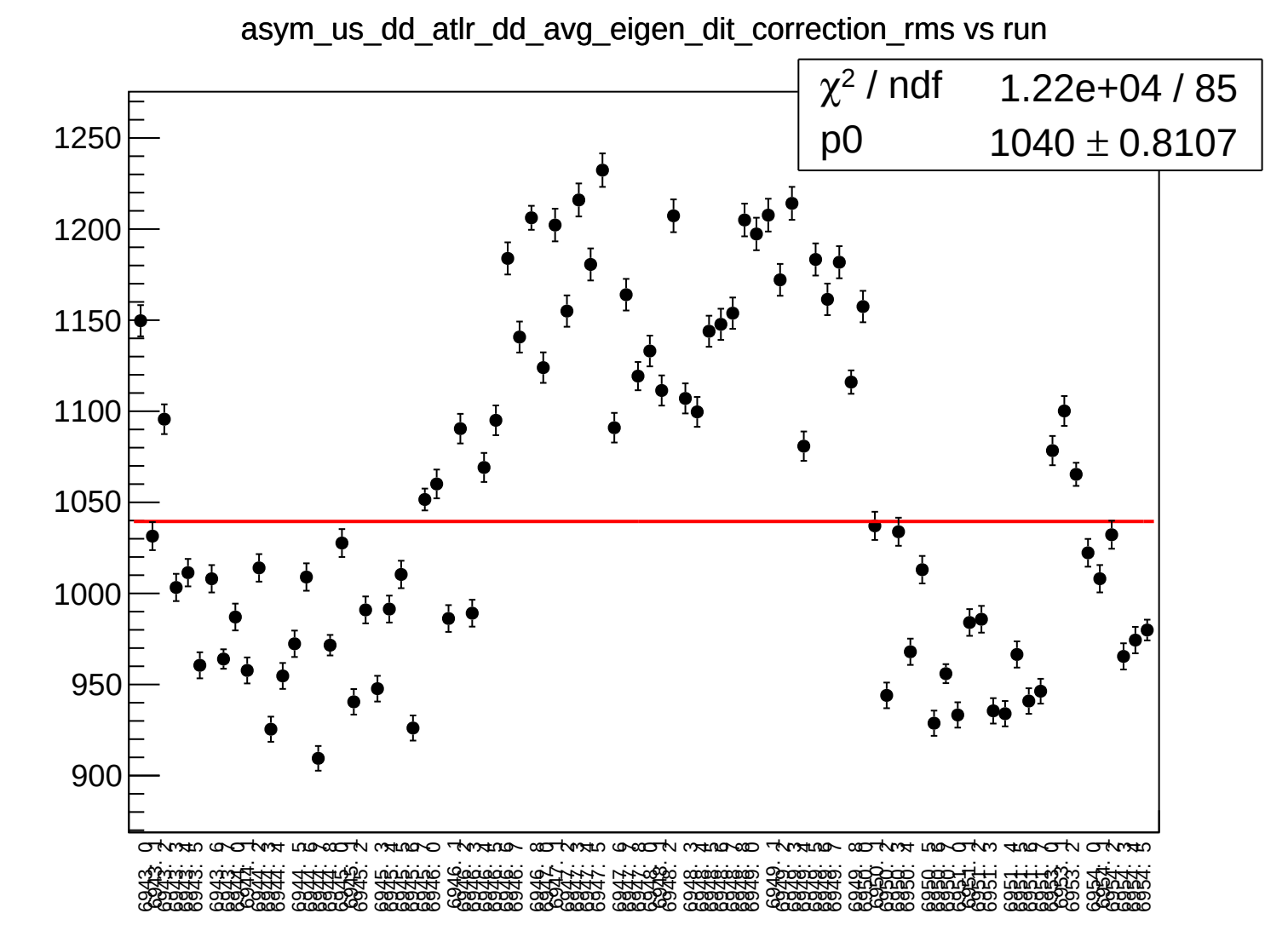

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.22e+04 / 85
p0 1040 ± 0.8107
1250
1200
1150
1100
1050
1000
950
900

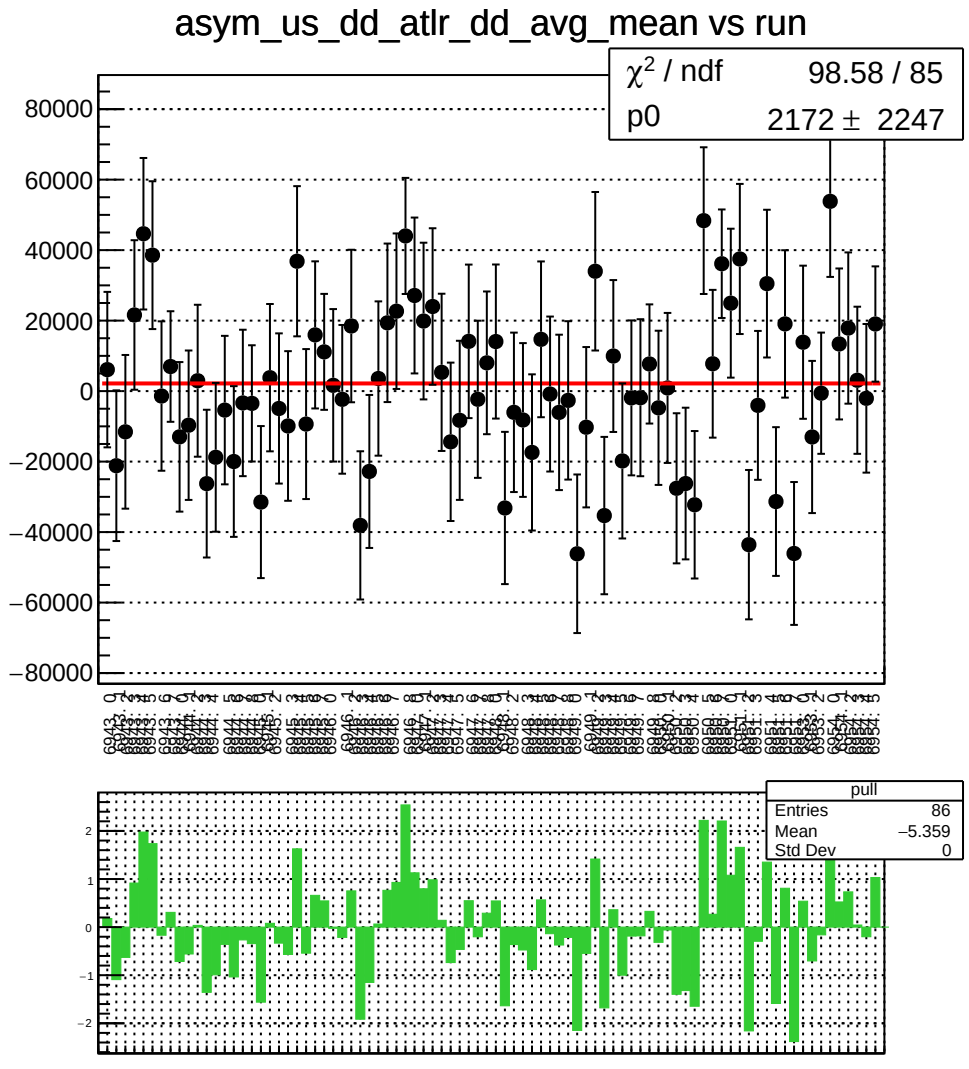

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 88.96 / 85
p0 −1506 ± 1952
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −32.68
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02598
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

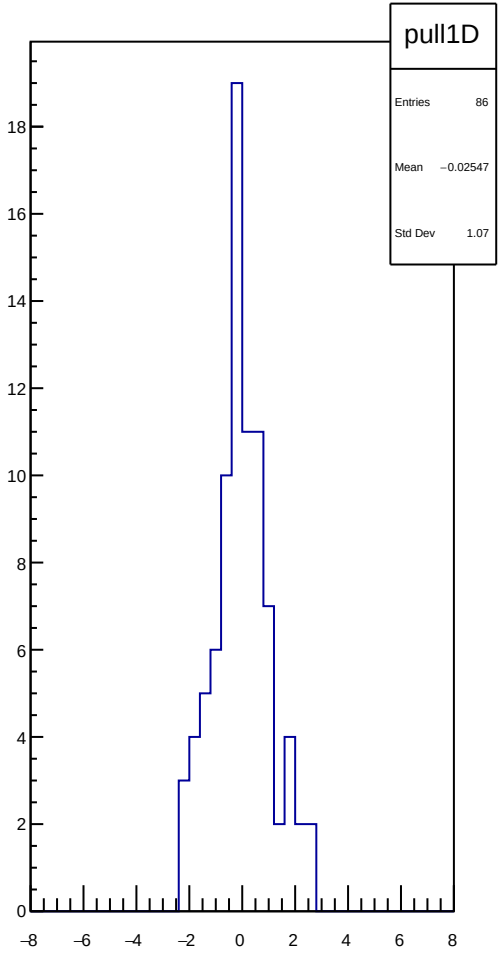

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 88.34 / 85
p0 1776 ± 1.38
1820
1800
1780
1760
1740

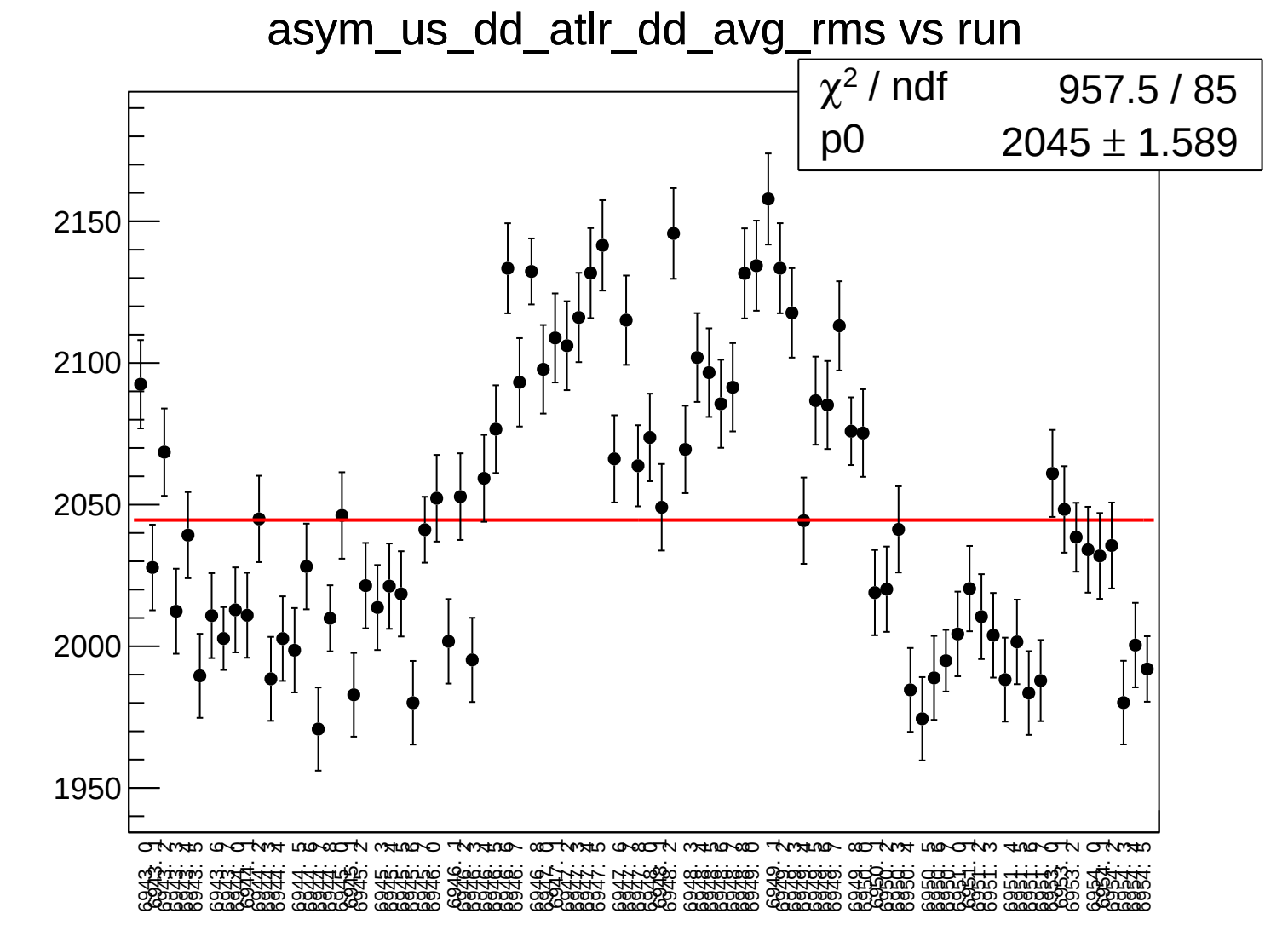

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.47 / 85
p0 −3740 ± 1147
pull
Entries 86
Mean 166.5
Std Dev 0

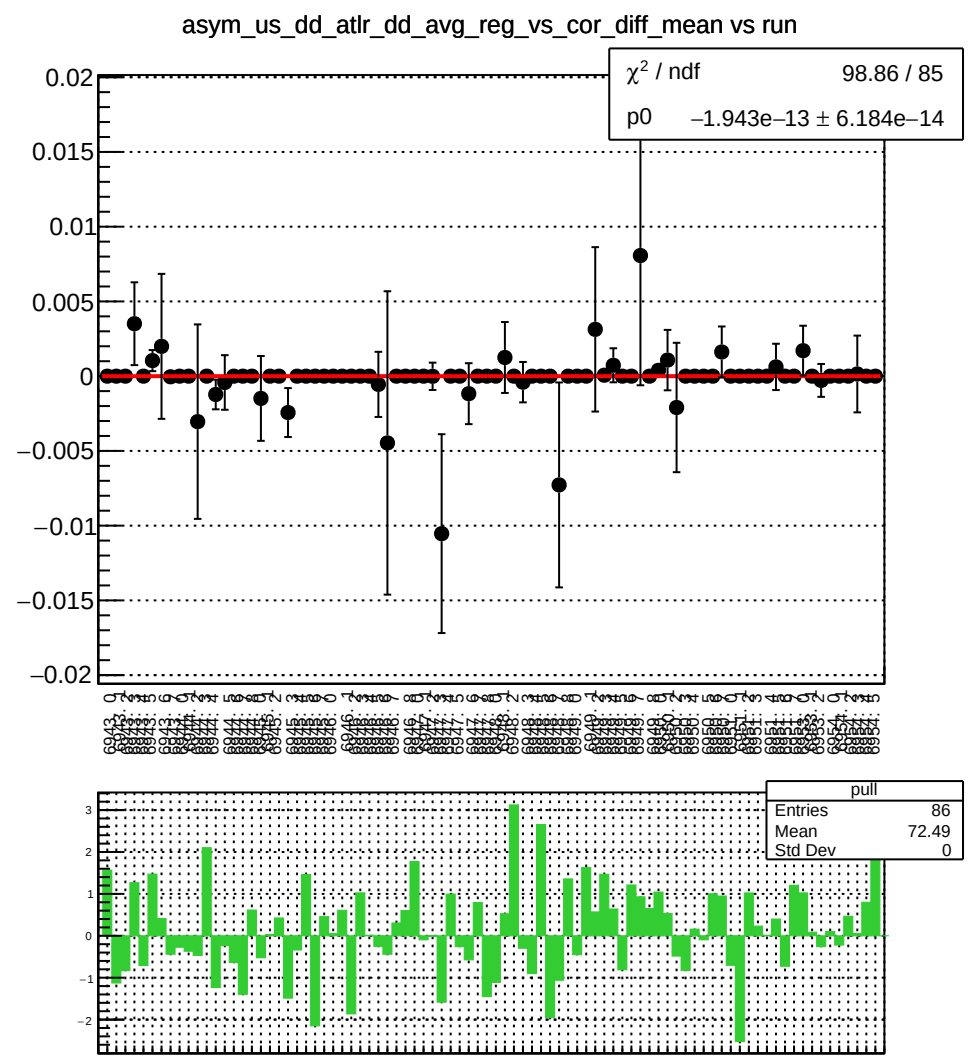

pull1D
Entries 86
Mean 0.008989
Std Dev 0.9851

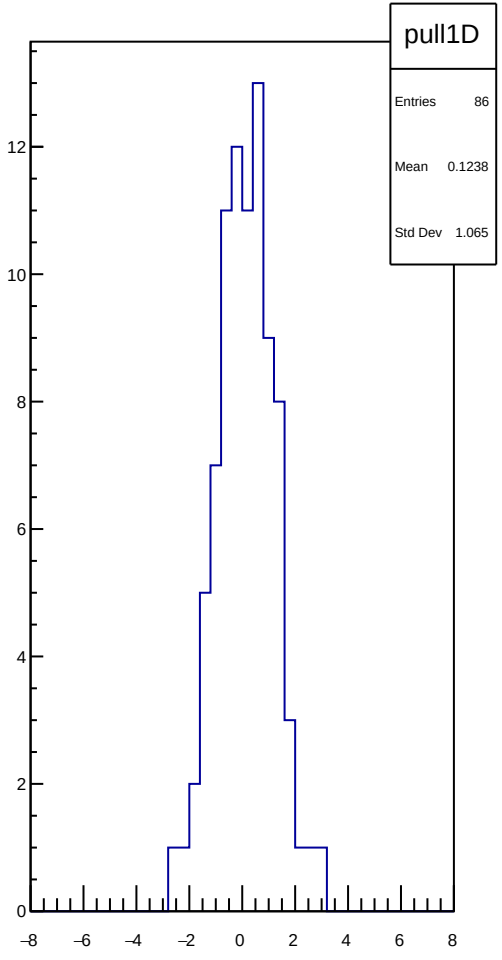

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.22e+04 / 85
p0 1040 ± 0.8107
1250
1200
1150
1100
1050
1000
950
900

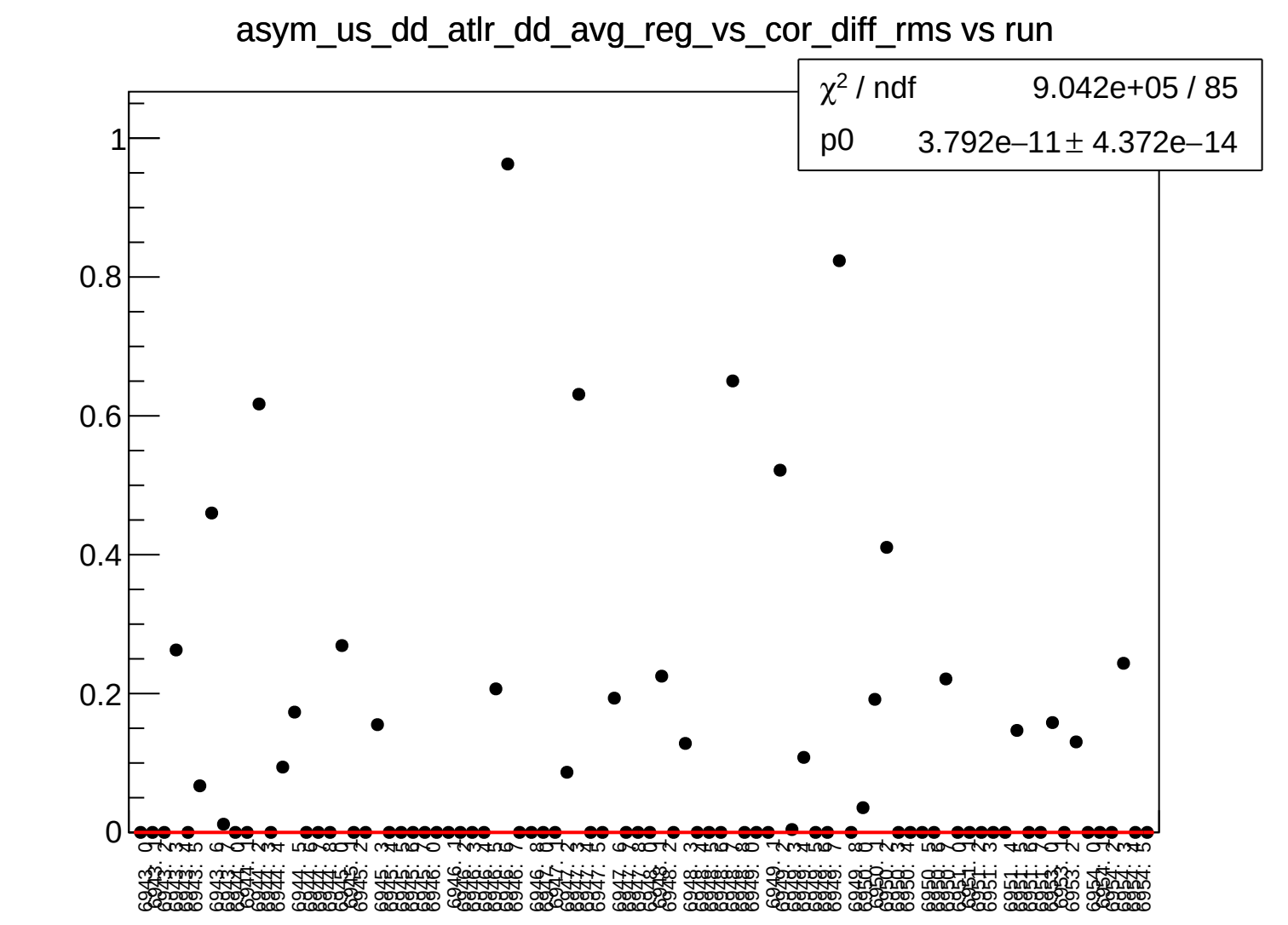

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 98.58 / 85
p0 2172 ± 2247
pull
Entries 86
Mean −5.359
Std Dev 0

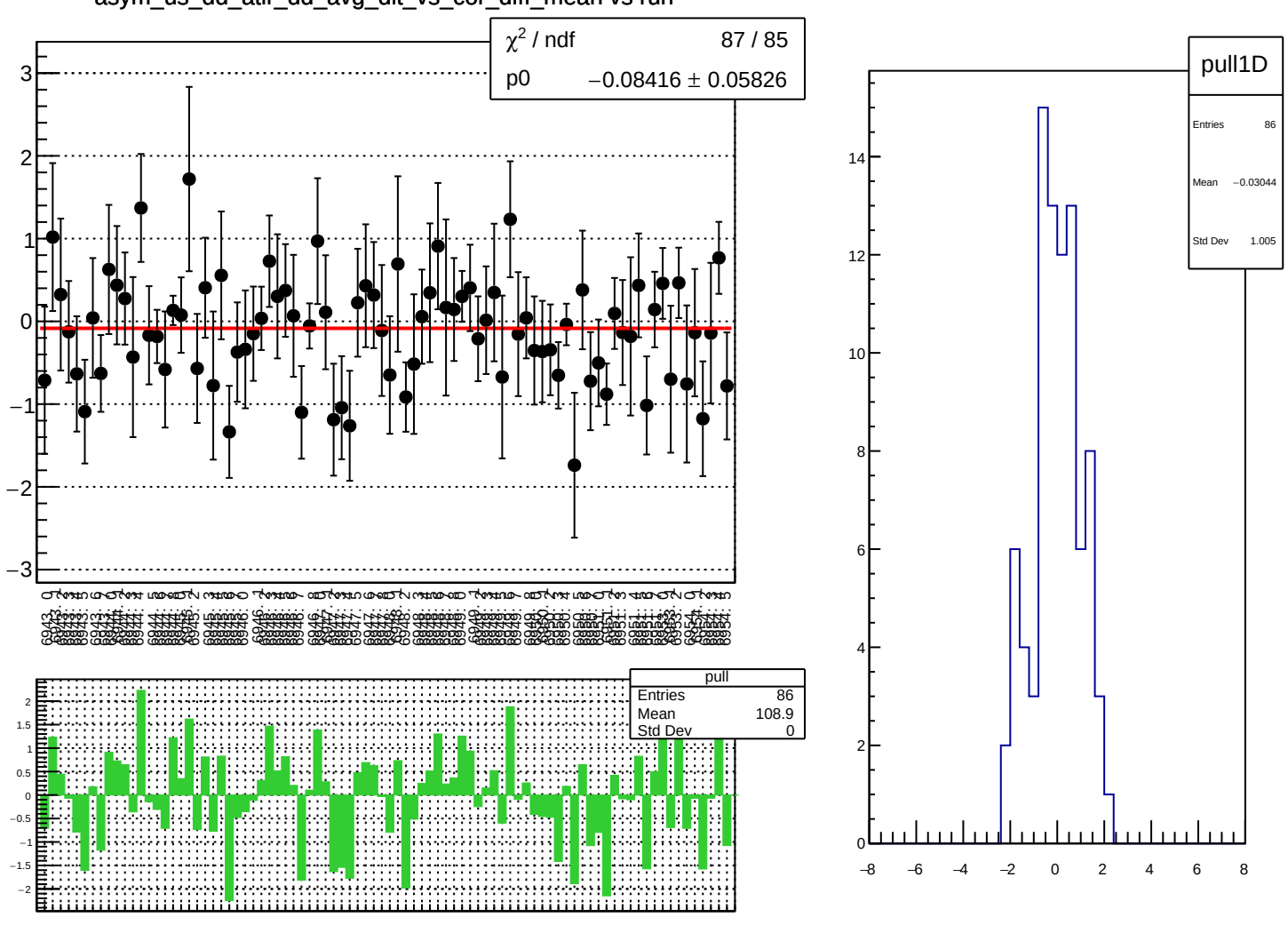

pull1D
Entries 86
Mean −0.02547
Std Dev 1.07

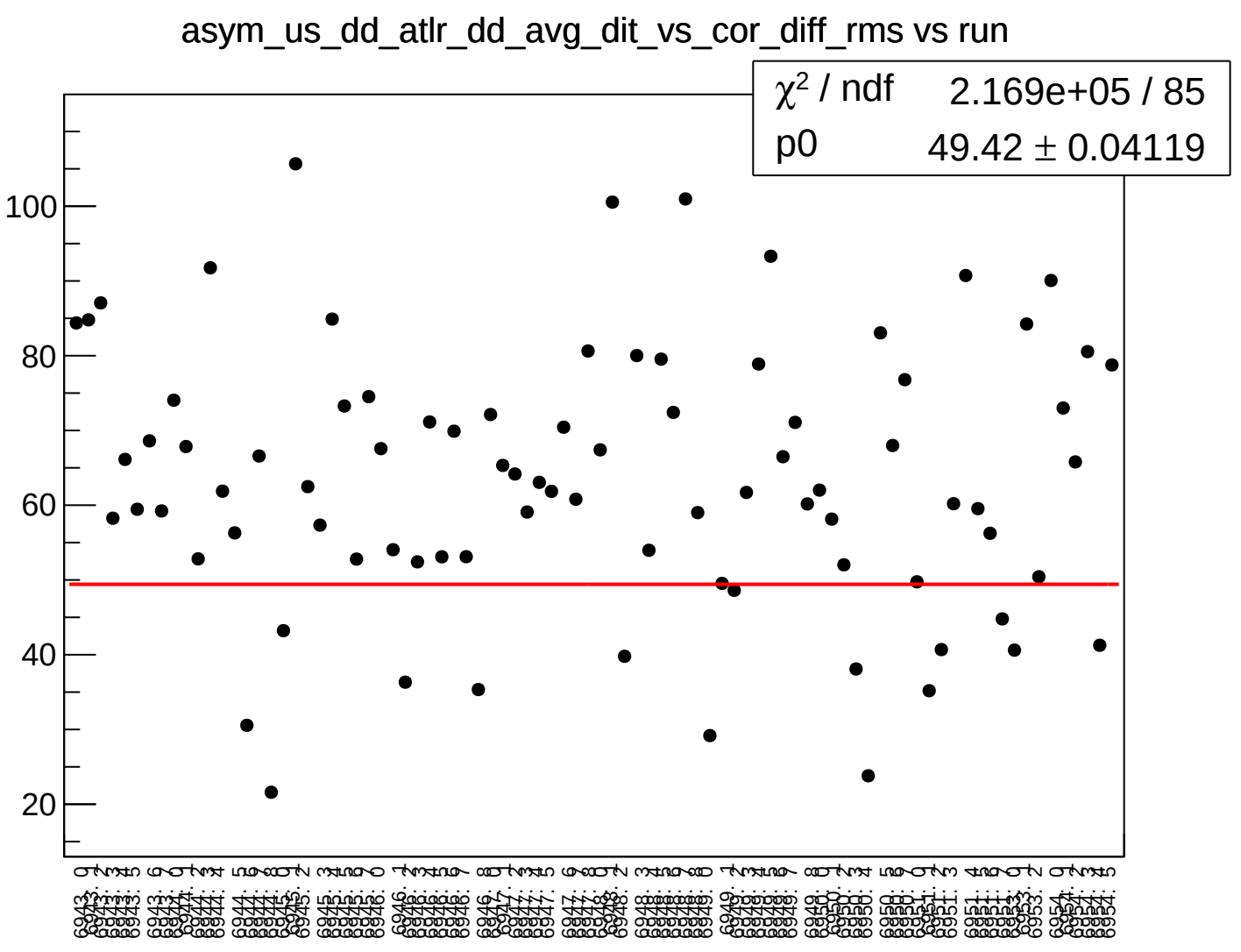

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 957.5 / 85
p0 2045 ± 1.589
2150
2100
2050
2000
1950

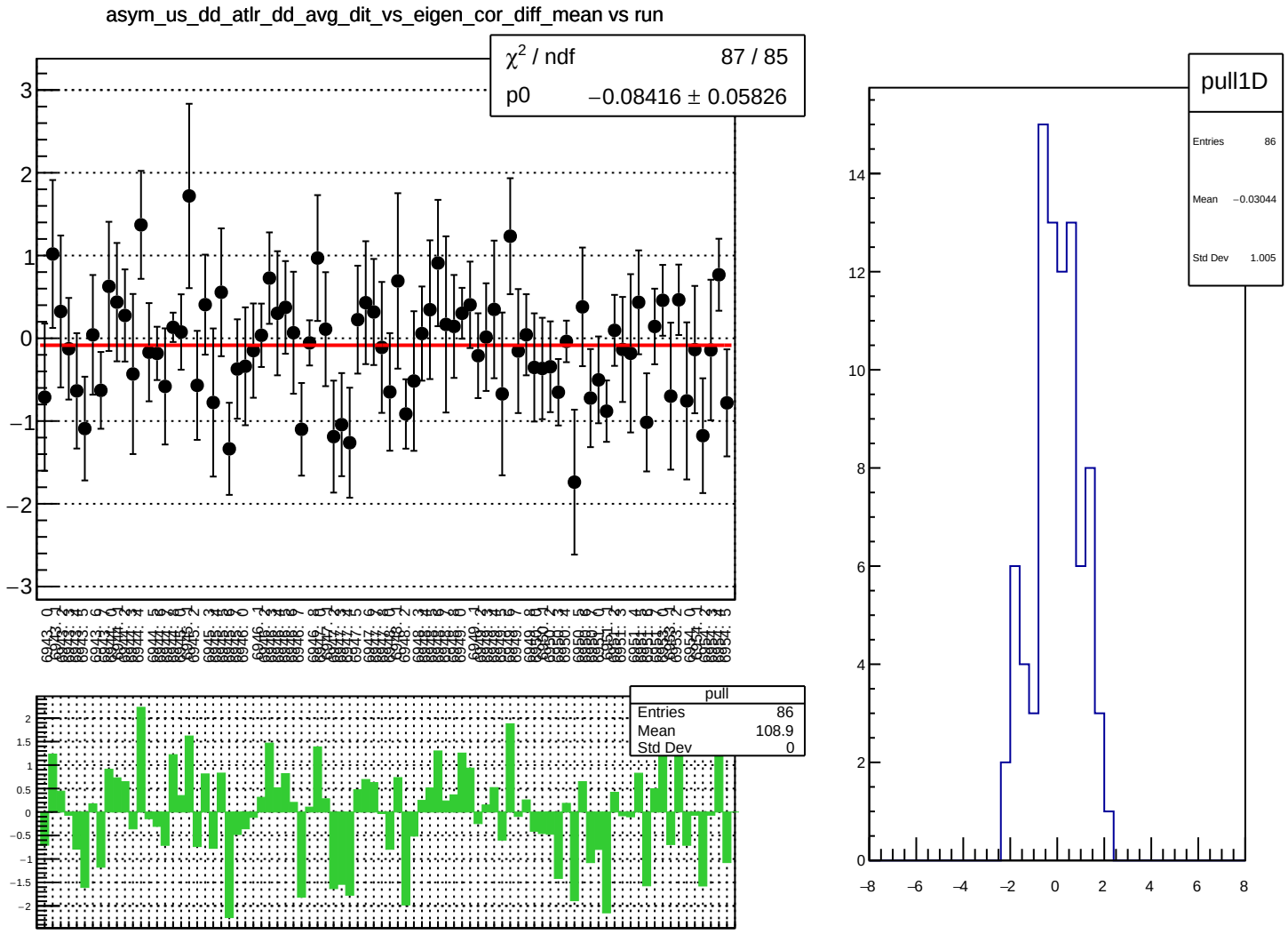

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 98.86 / 85
p0 −1.943e−13 ± 6.184e−14
pull
Entries 86
Mean 72.49
Std Dev 0

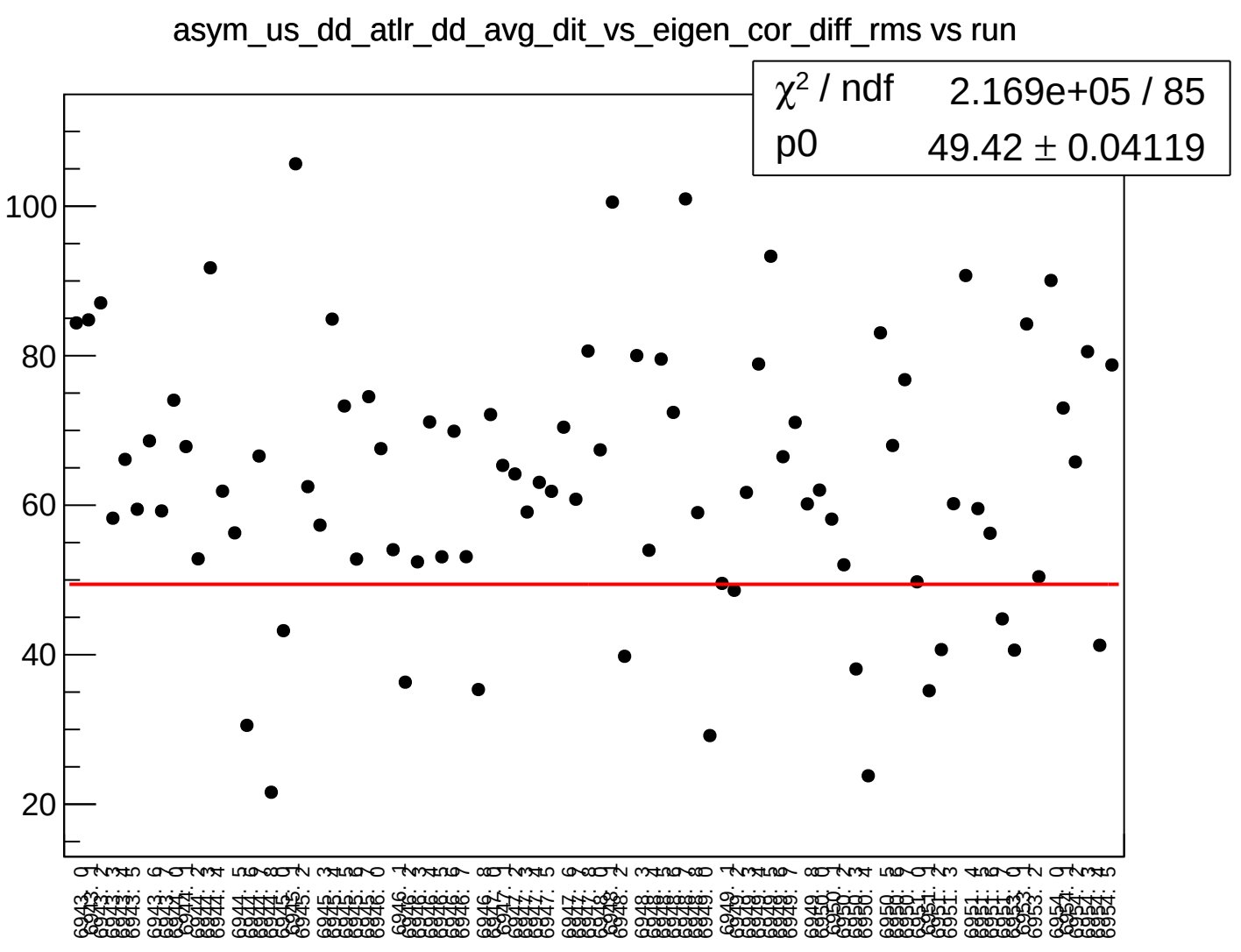

pull1D
Entries 86
Mean 0.1238
Std Dev 1.065

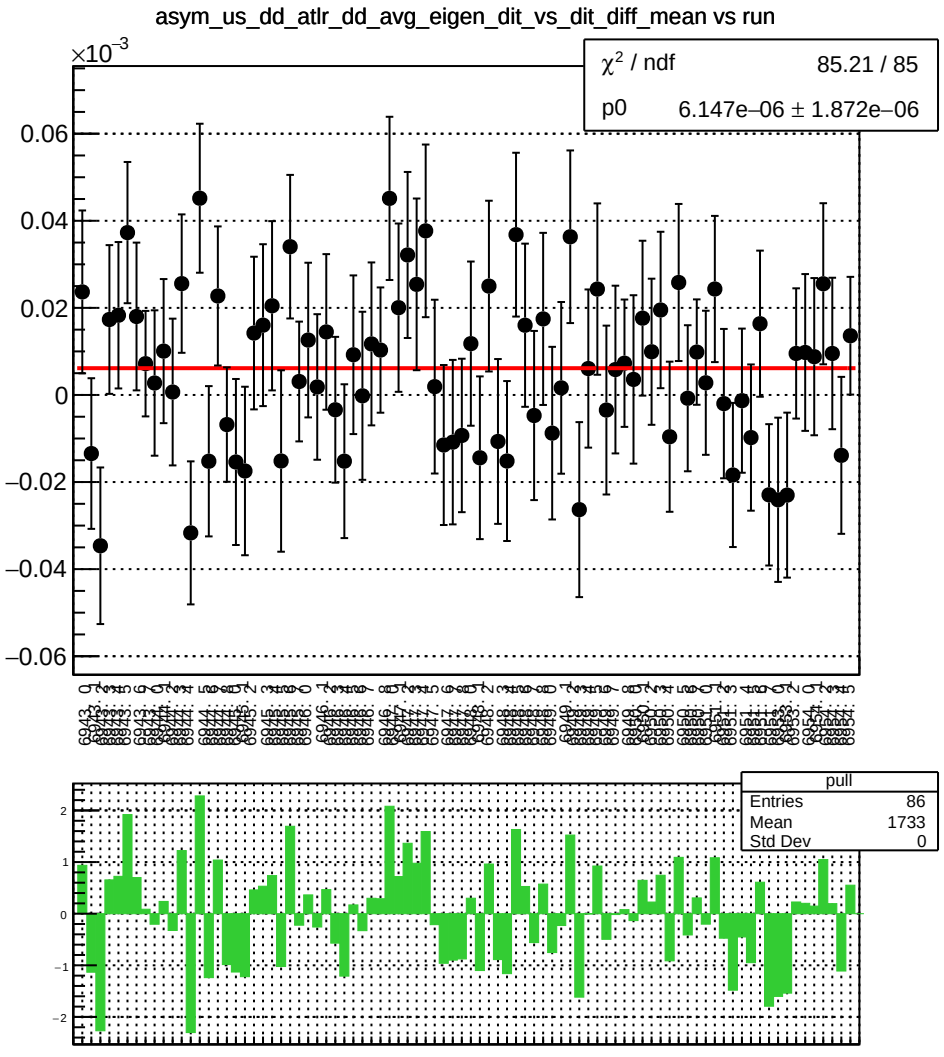

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.042e+05 / 85
p0 3.792e−11 ± 4.372e−14
1
0.8
0.6
0.4
0.2
0

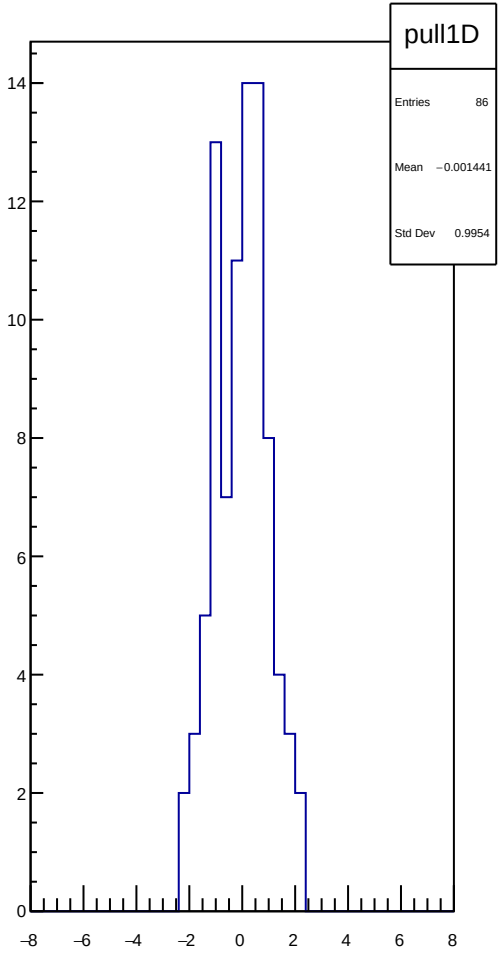

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87 / 85
p0 −0.08416 ± 0.05826
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.03044
Std Dev 1.005

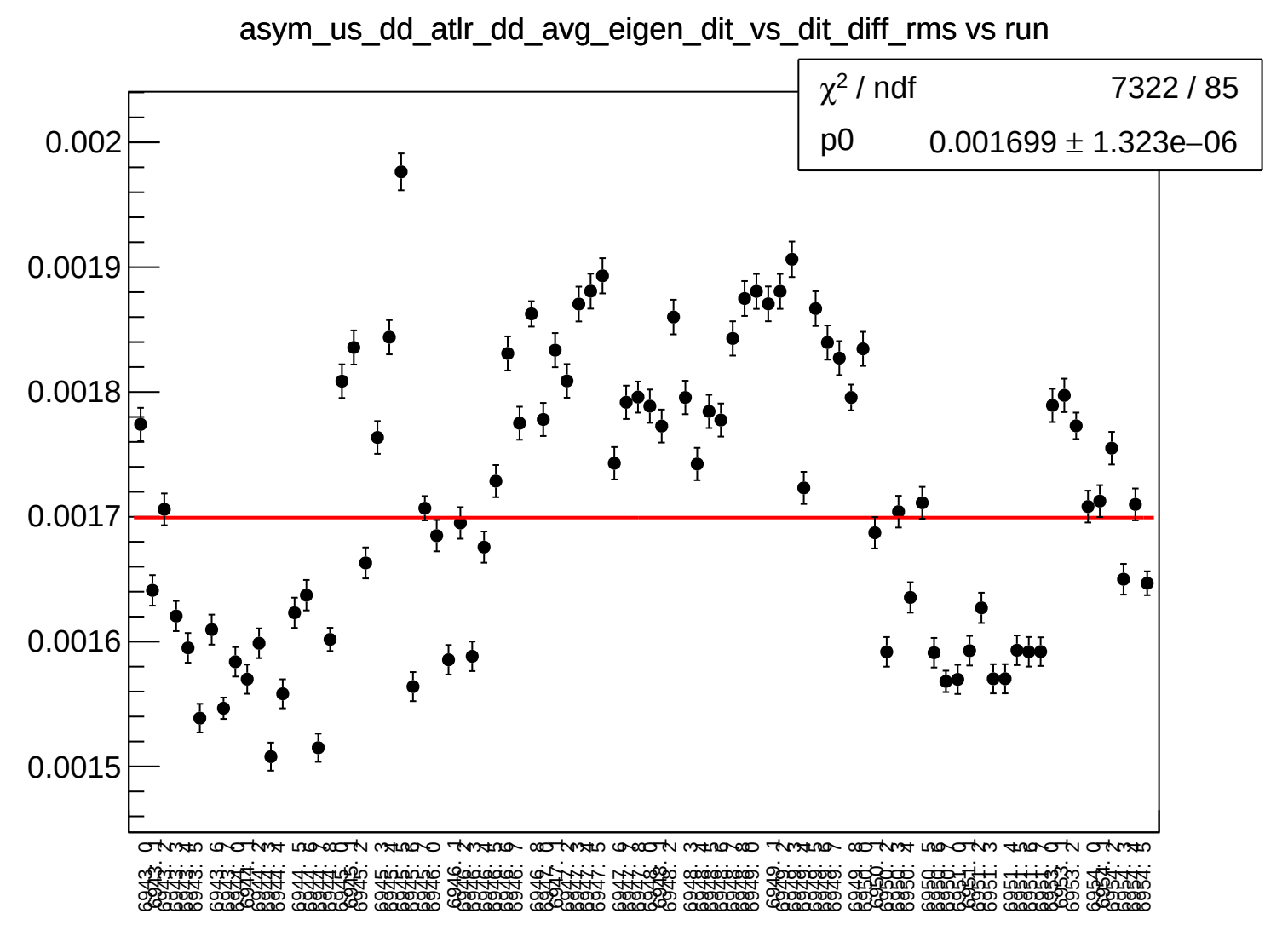

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.169e+05 / 85
p0 49.42 ± 0.04119
100
80
60
40
20

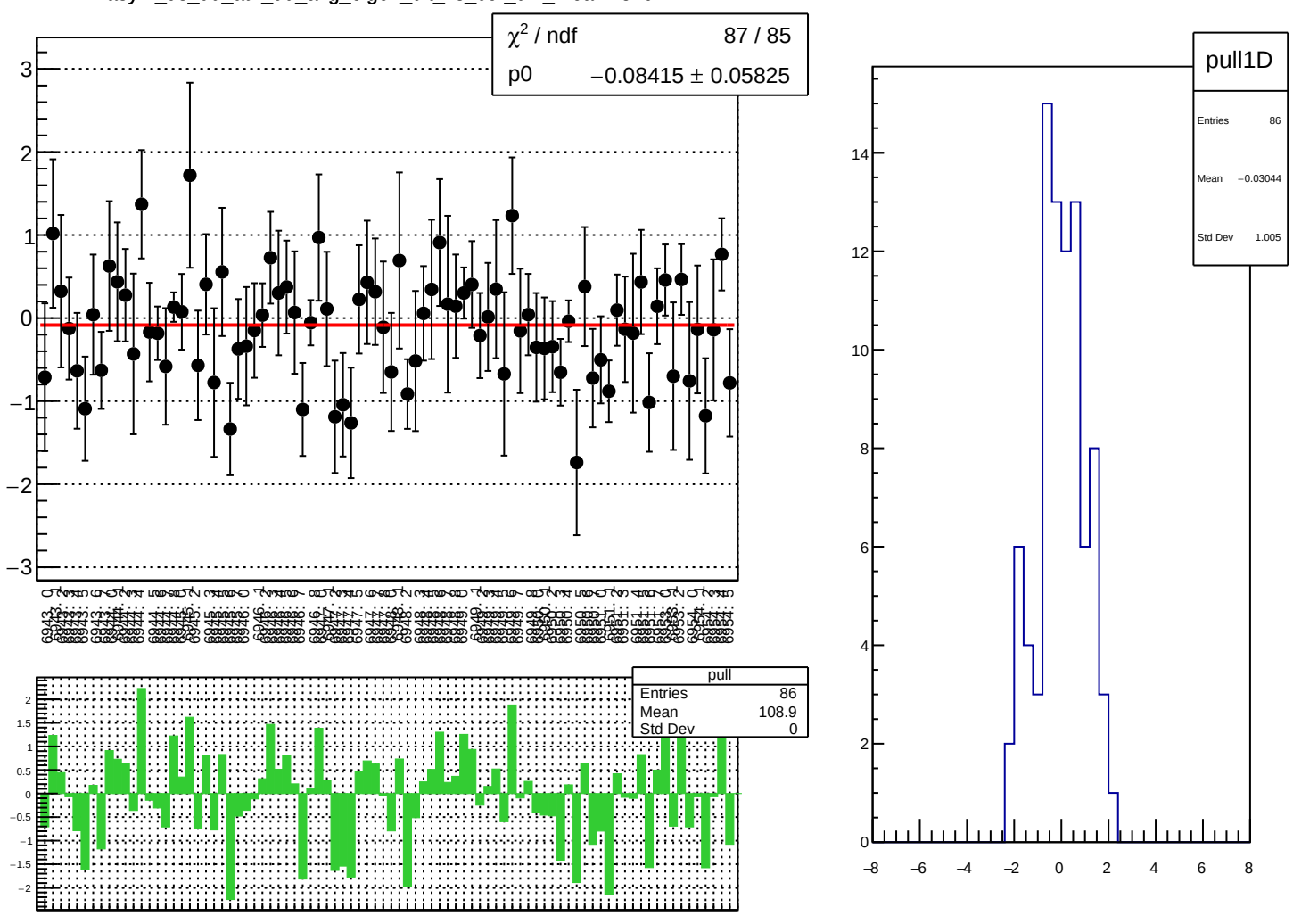

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87 / 85
p0 −0.08416 ± 0.05826
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.03044
Std Dev 1.005

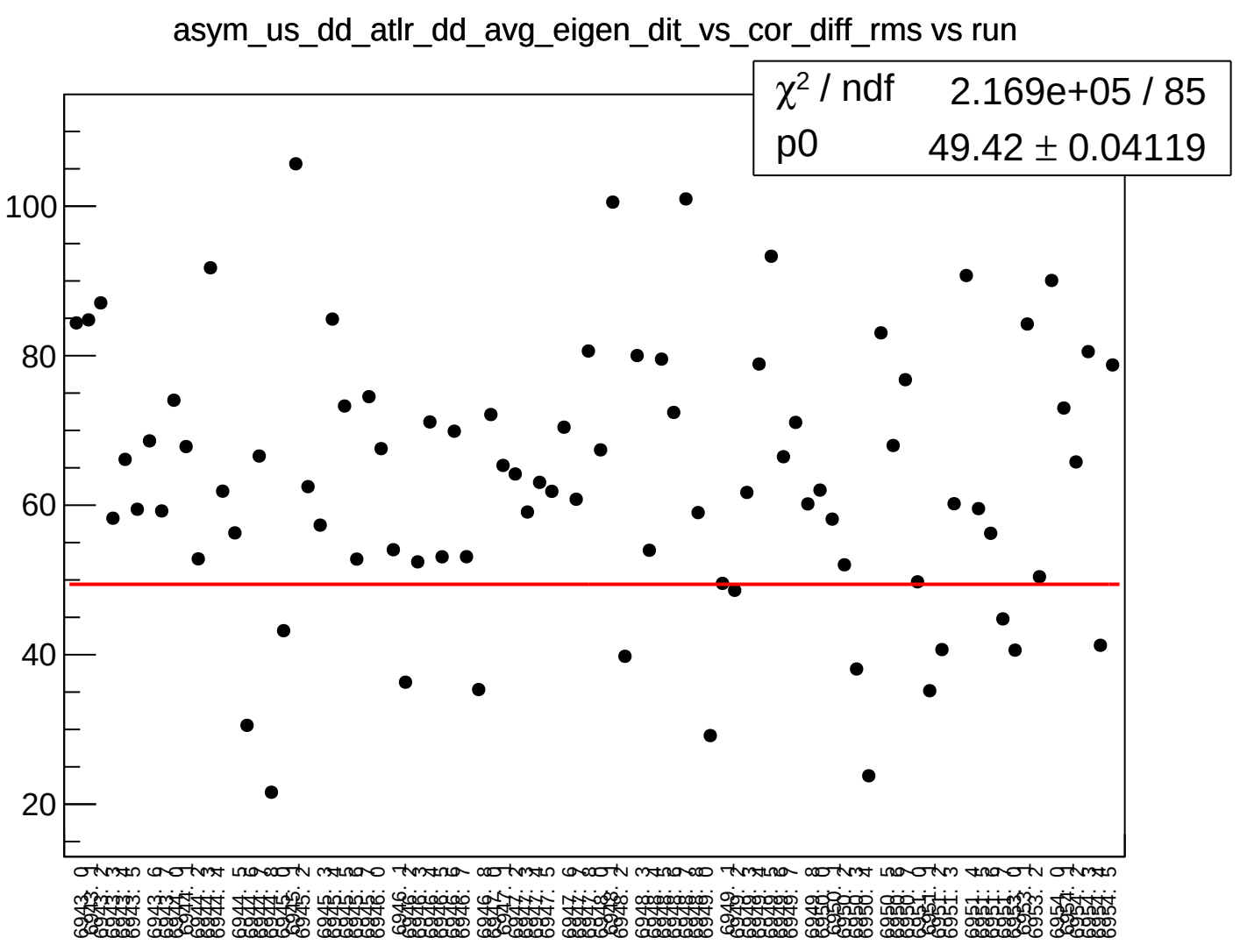

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.169e+05 / 85
p0 49.42 ± 0.04119
100
80
60
40
20

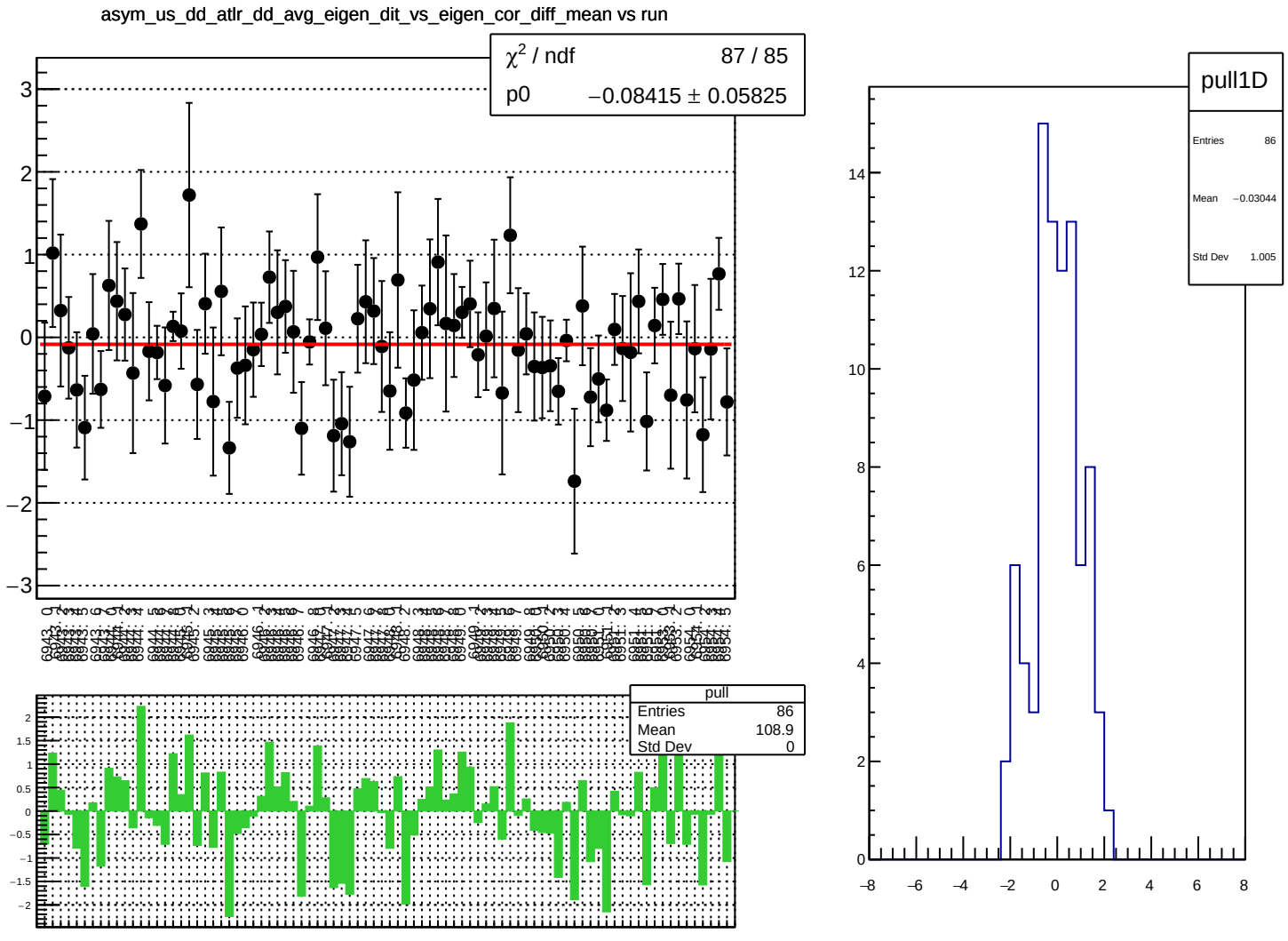

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.21 / 85
p0 6.147e−06 ± 1.872e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 1733
Std Dev 0
2
1
0
−1
−2

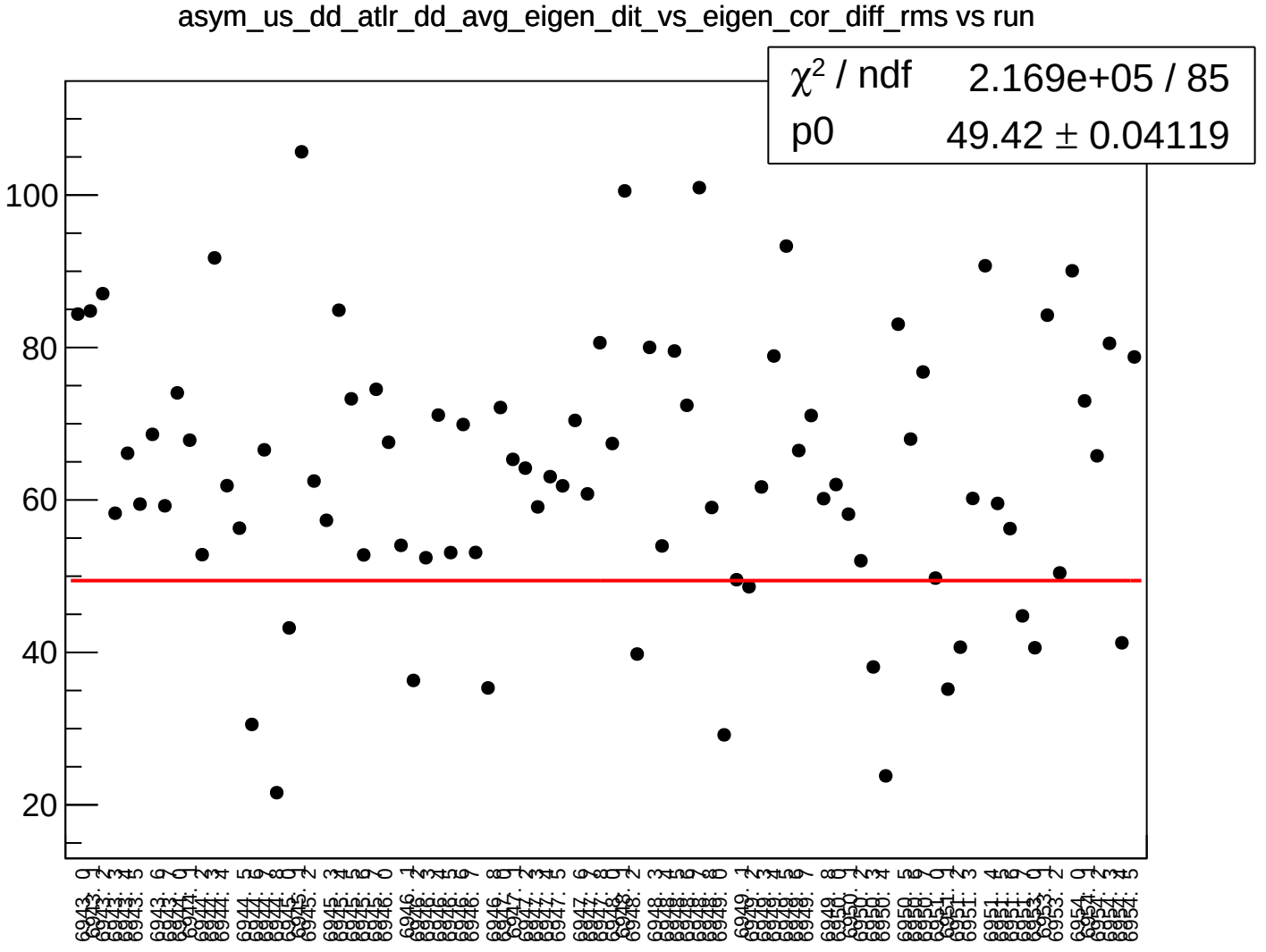

pull1D
Entries 86
Mean −0.001441
Std Dev 0.9954
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

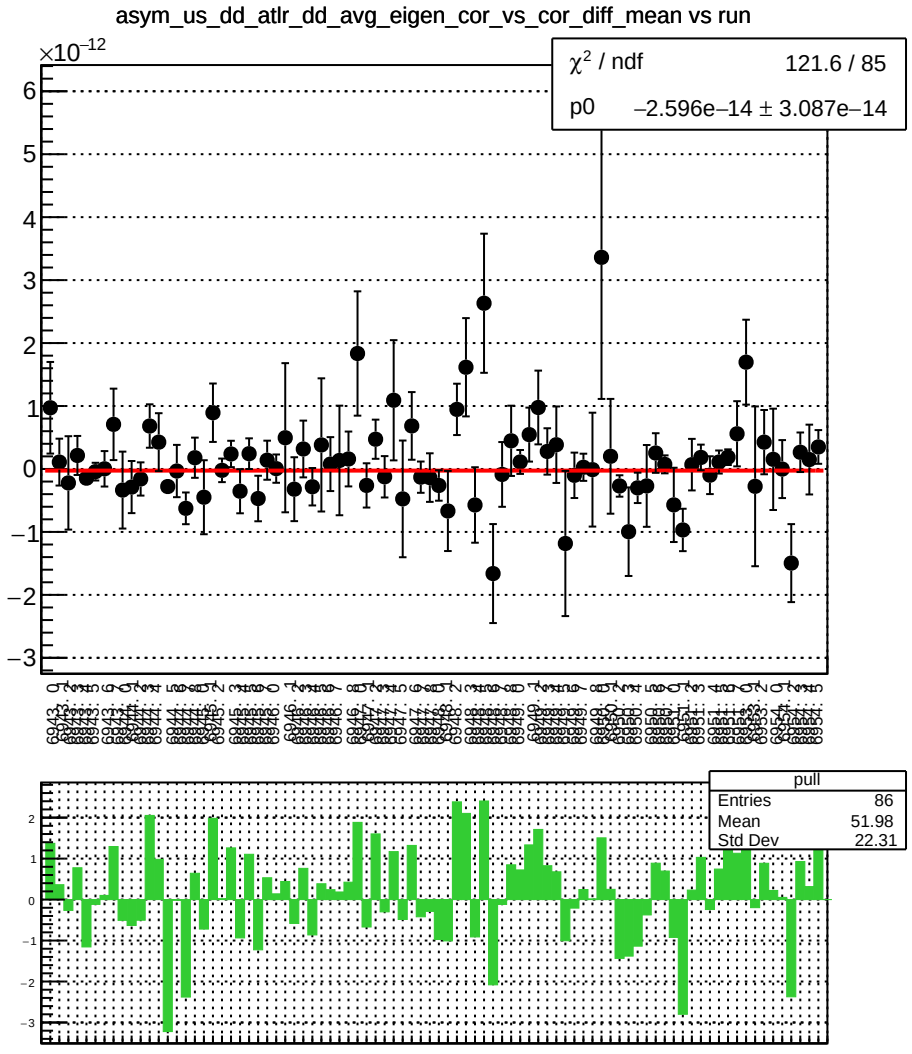

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7322 / 85
p0 0.001699 ± 1.323e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

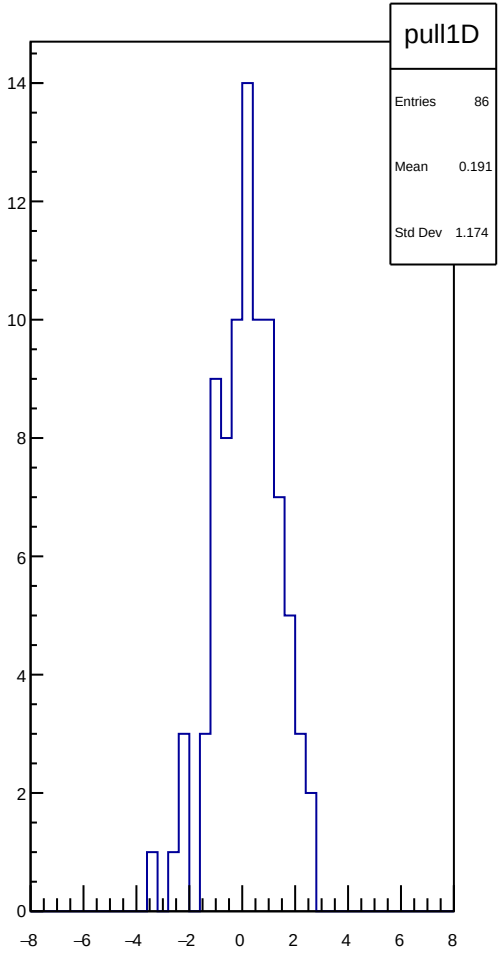

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87 / 85
p0 −0.08415 ± 0.05825
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.03044
Std Dev 1.005

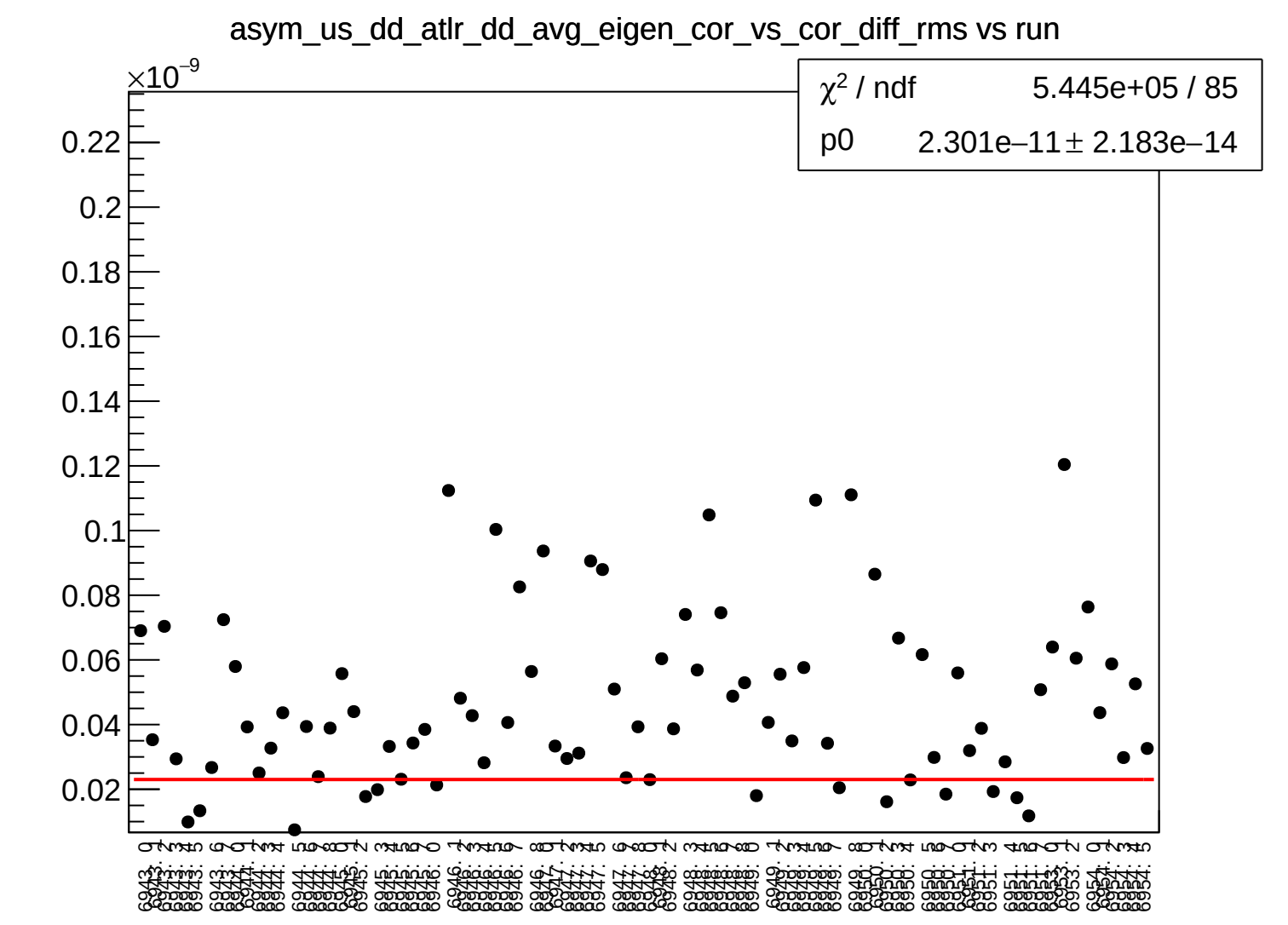

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.169e+05 / 85
p0 49.42 ± 0.04119
100
80
60
40
20

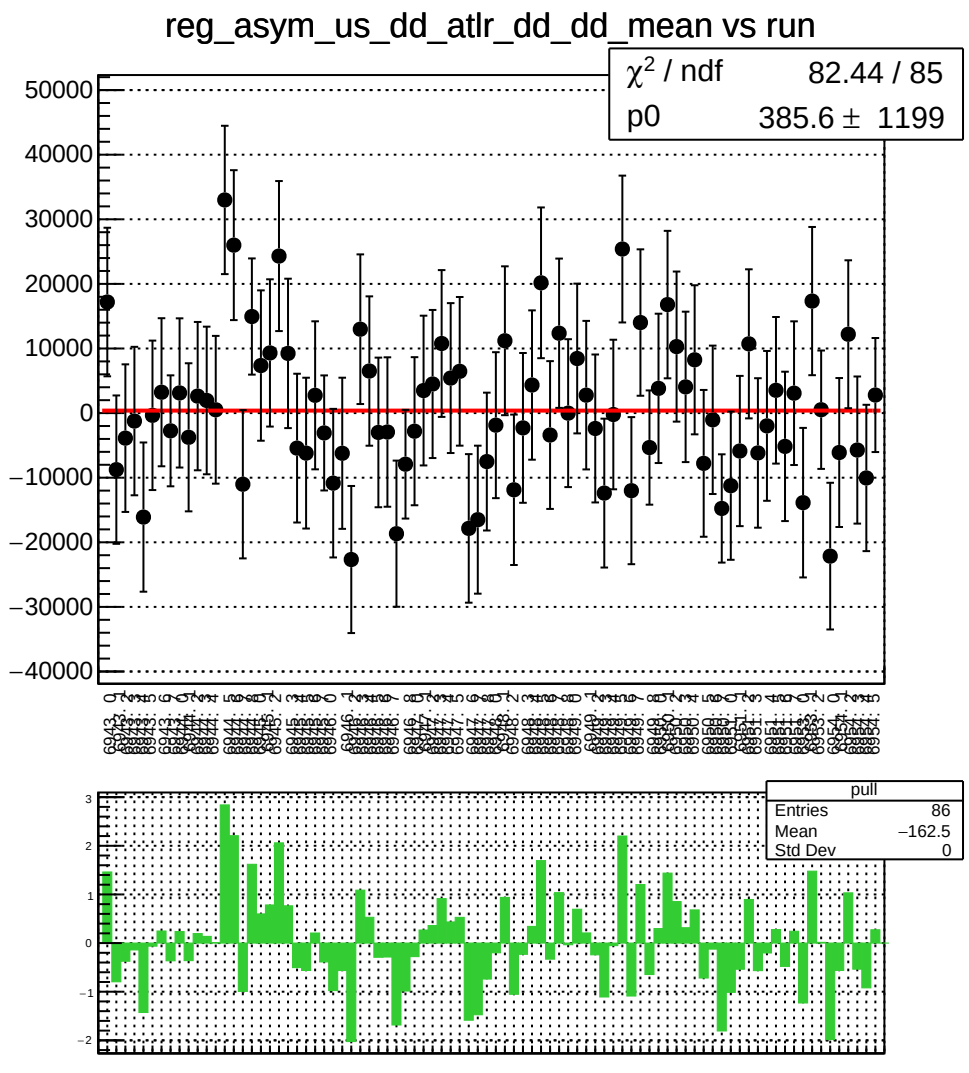

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87 / 85
p0 −0.08415 ± 0.05825
pull
Entries 86
Mean 108.9
Std Dev 0
pull1D
Entries 86
Mean −0.03044
Std Dev 1.005

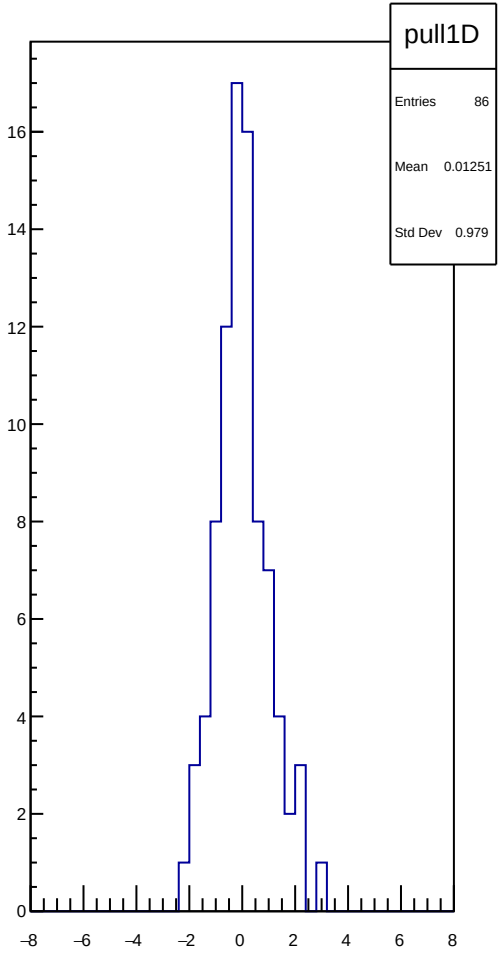

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.169e+05 / 85
p0 49.42 ± 0.04119
100
80
60
40
20

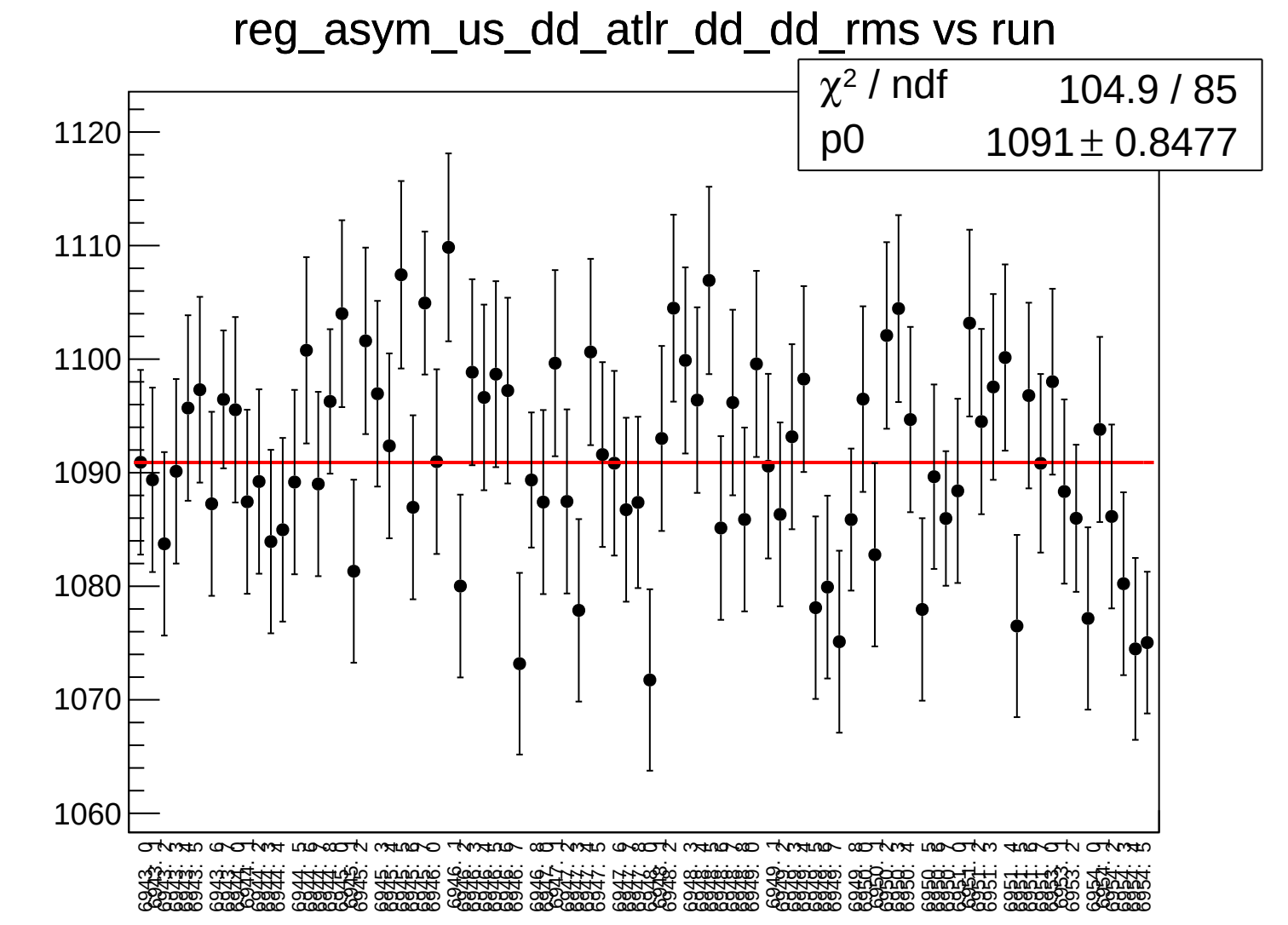

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 121.6 / 85
p0 −2.596e−14 ± 3.087e−14
pull
Entries 86
Mean 51.98
Std Dev 22.31

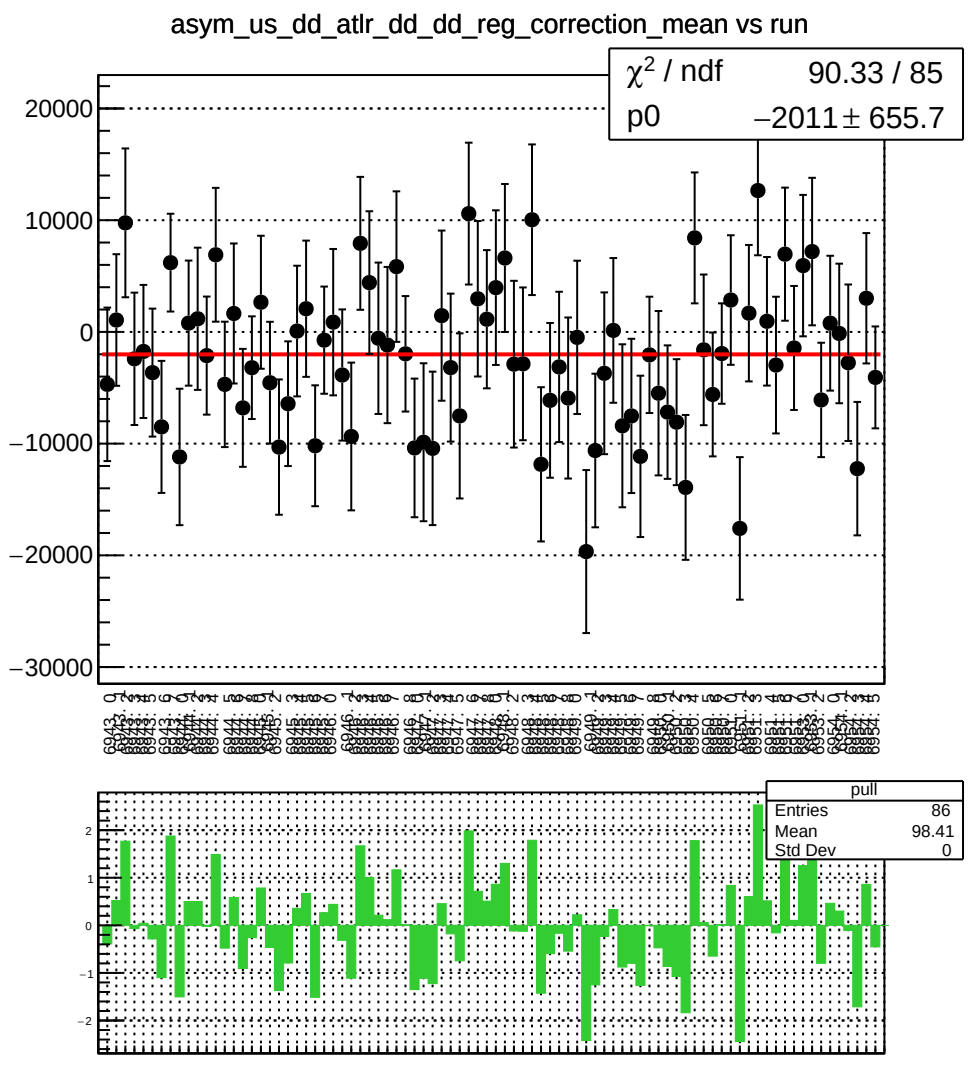

pull1D
Entries 86
Mean 0.191
Std Dev 1.174

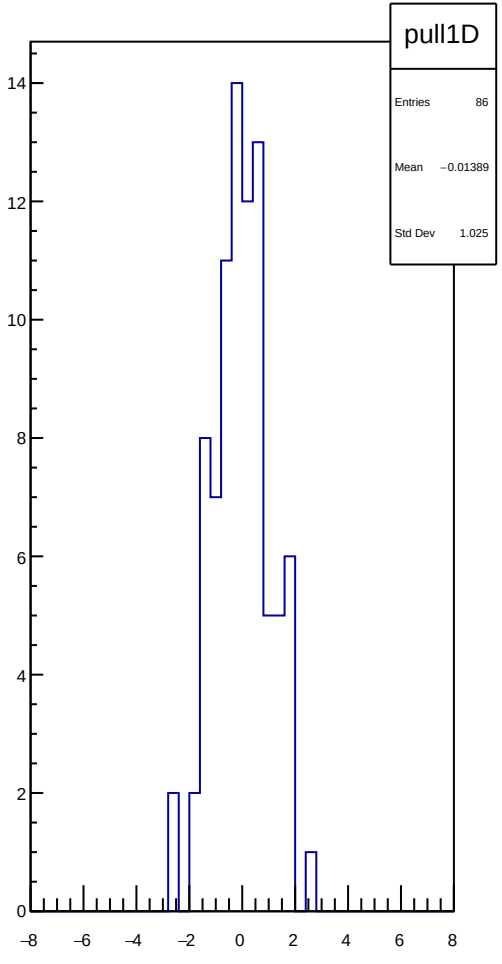

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.445e+05 / 85
p0 2.301e−11 ± 2.183e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

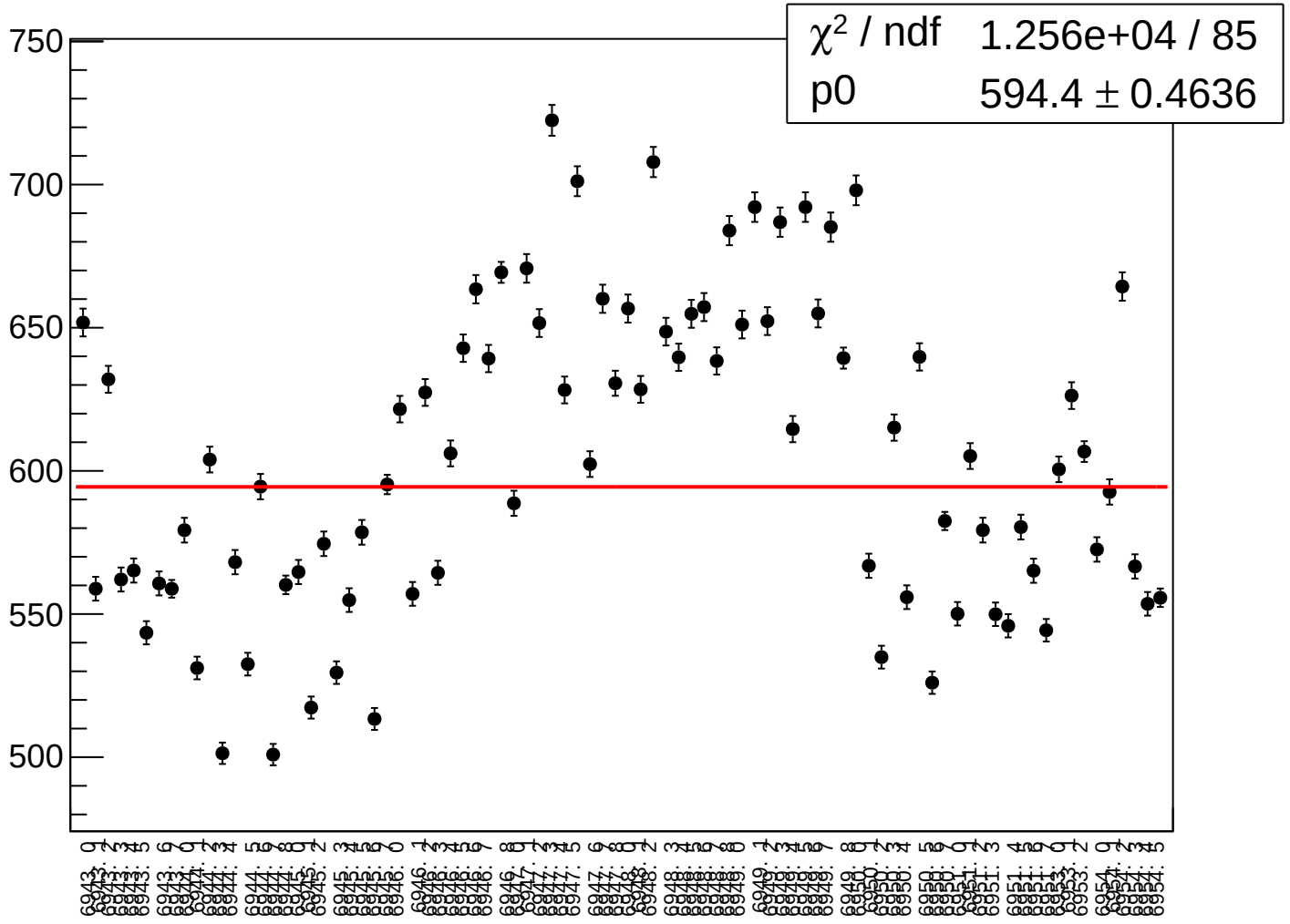

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 82.44 / 85
p0 385.6 ± 1199
pull
Entries 86
Mean −162.5
Std Dev 0

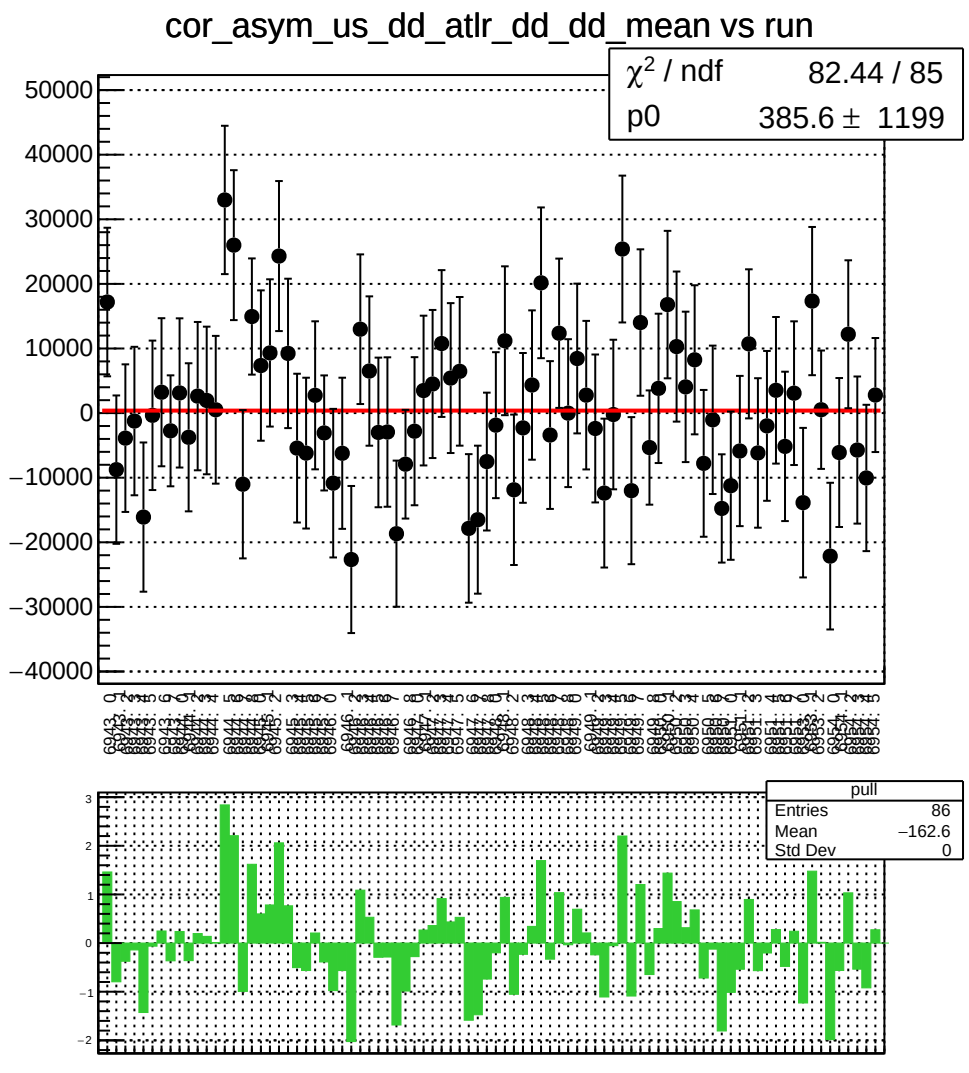

pull1D
Entries 86
Mean 0.01251
Std Dev 0.979

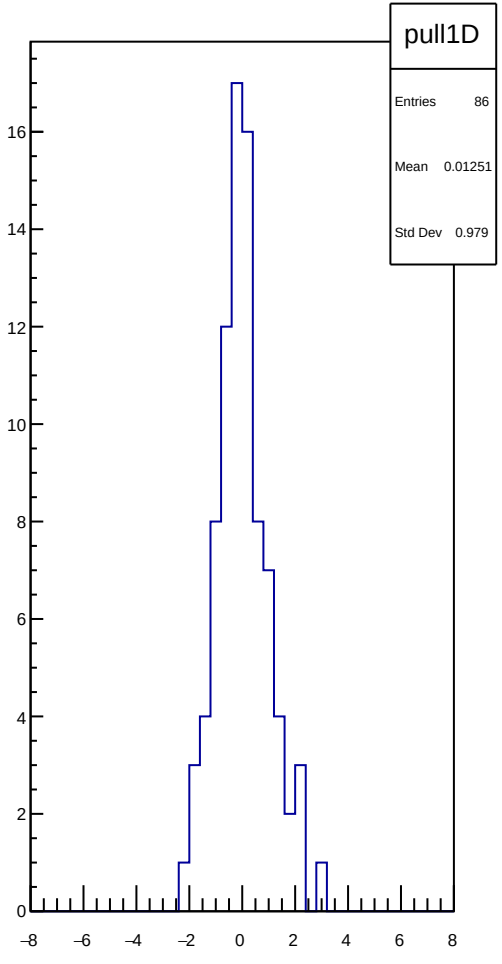

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 104.9 / 85
p0 1091 ± 0.8477
1120
1110
1100
1090
1080
1070
1060

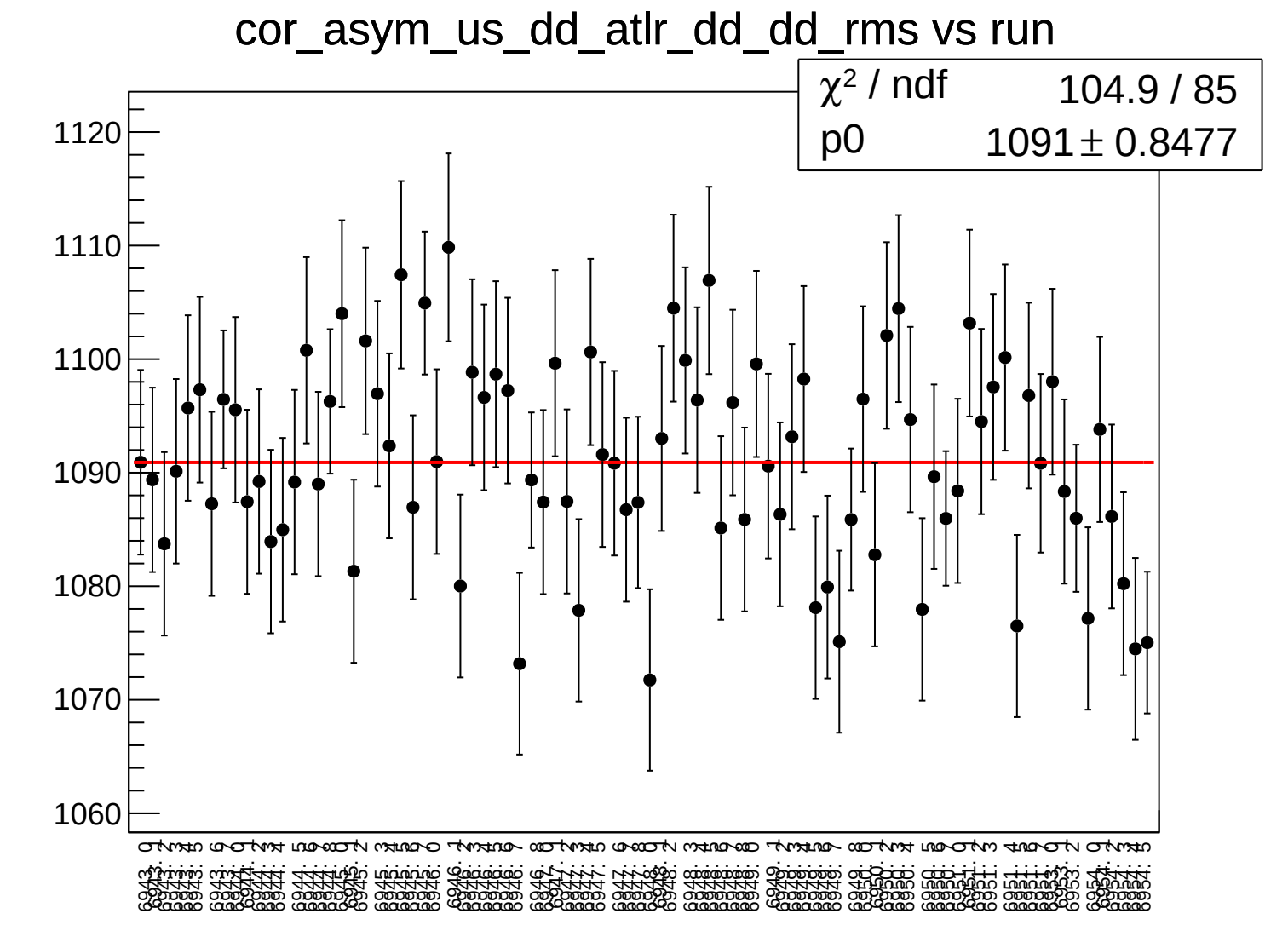

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 90.33 / 85
p0 −2011 ± 655.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 98.41
Std Dev 0
2
1
0
−1
−2

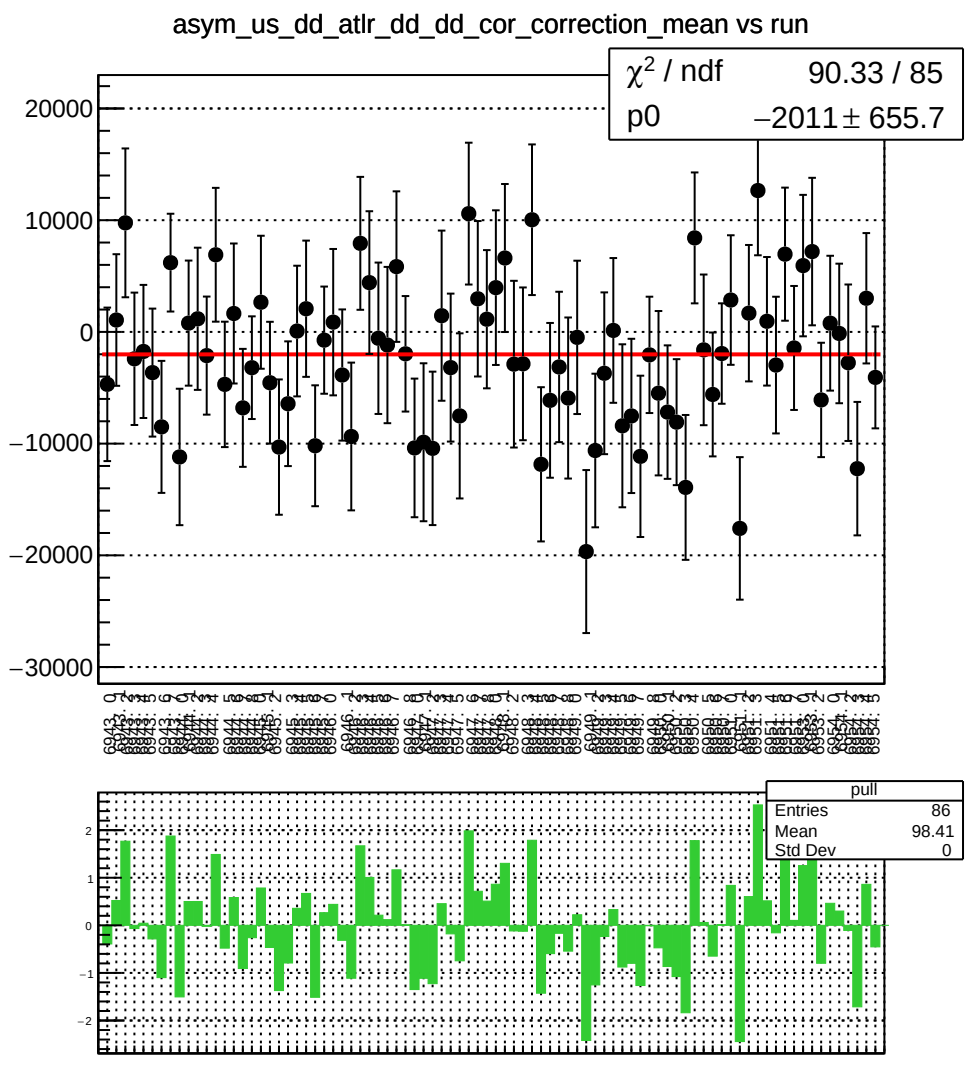

pull1D
Entries 86
Mean −0.01389
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

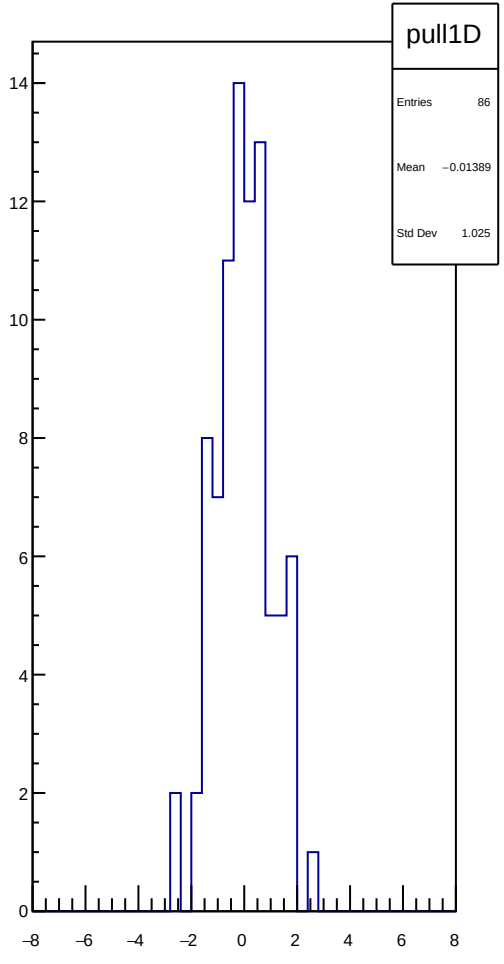

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 594.4 ± 0.4636
750
700
650
600
550
500

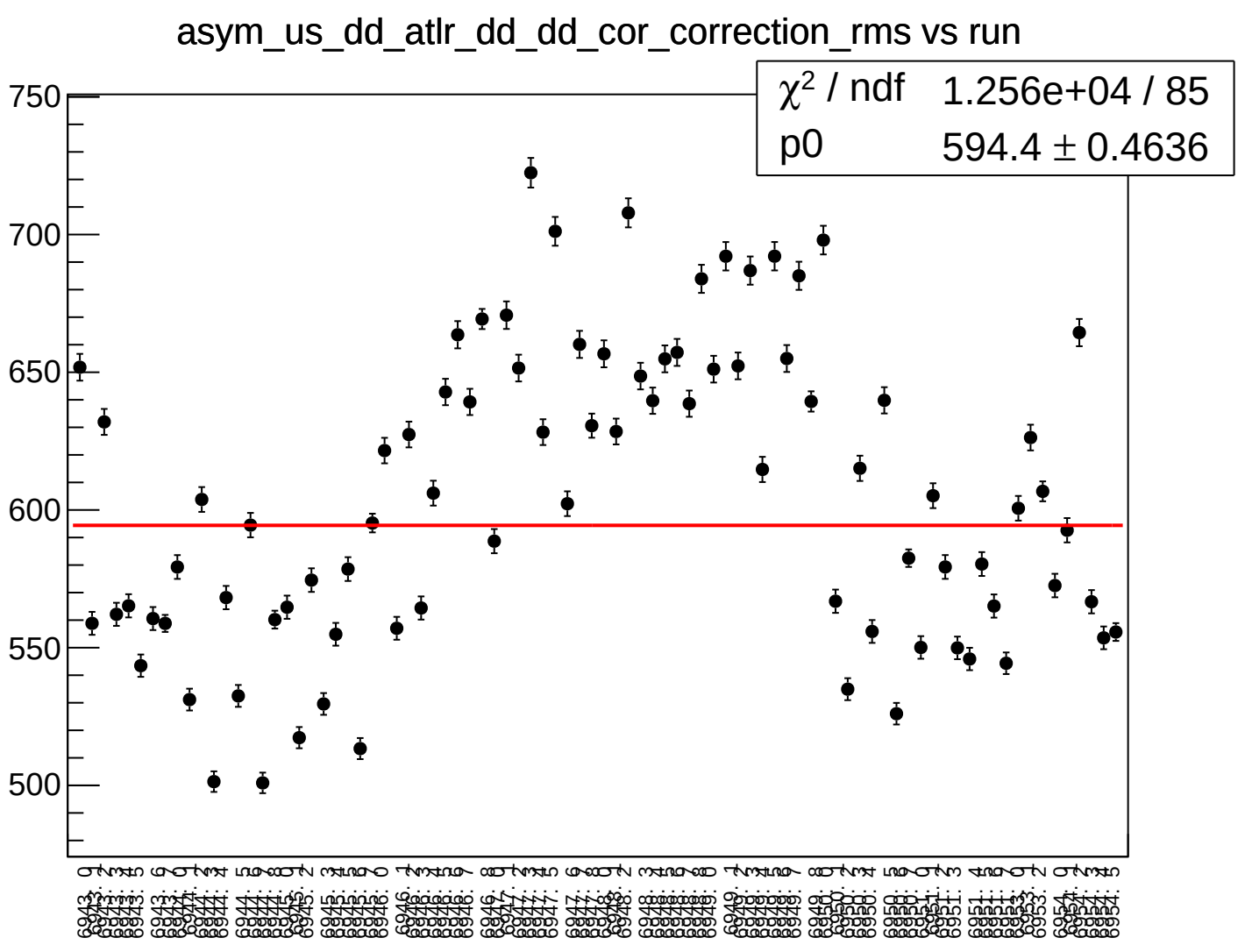

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 82.44 / 85
p0 385.6 ± 1199
pull
Entries 86
Mean −162.6
Std Dev 0

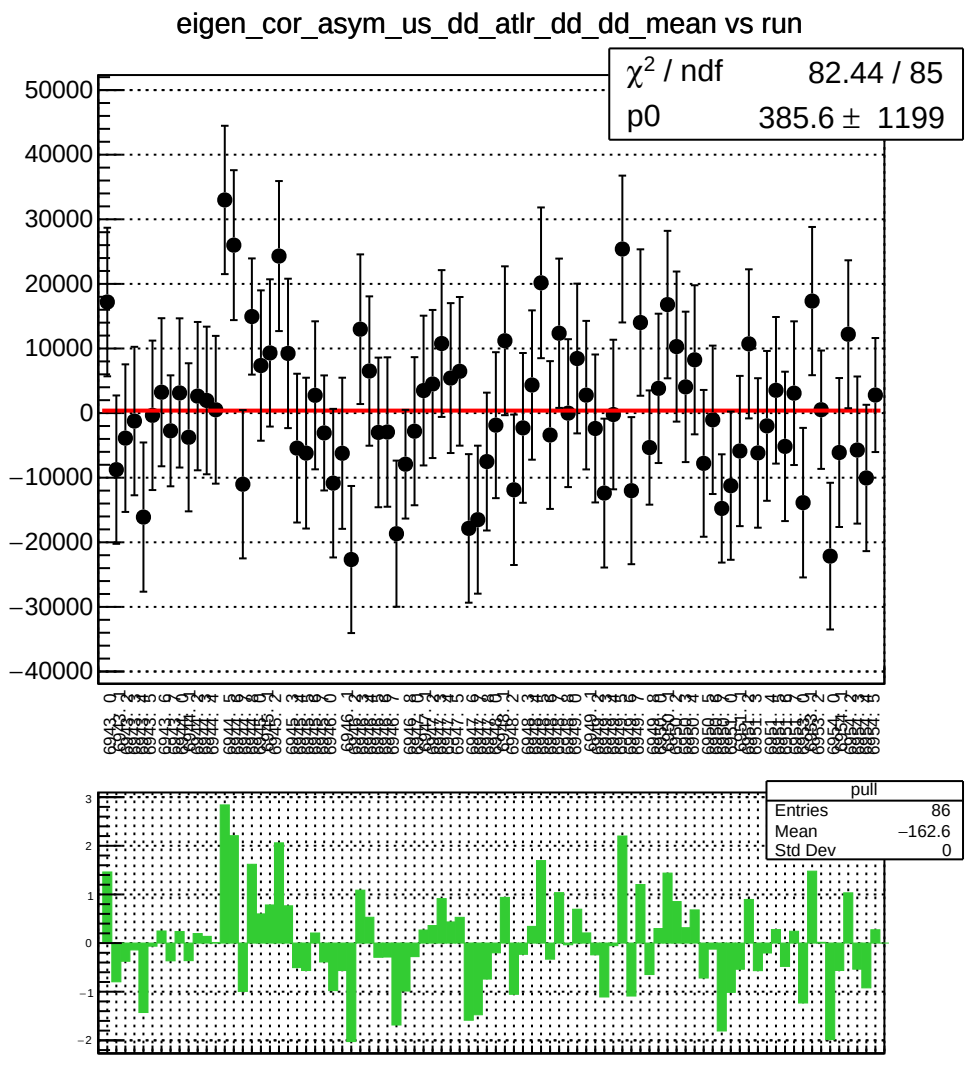

pull1D
Entries 86
Mean 0.01251
Std Dev 0.979

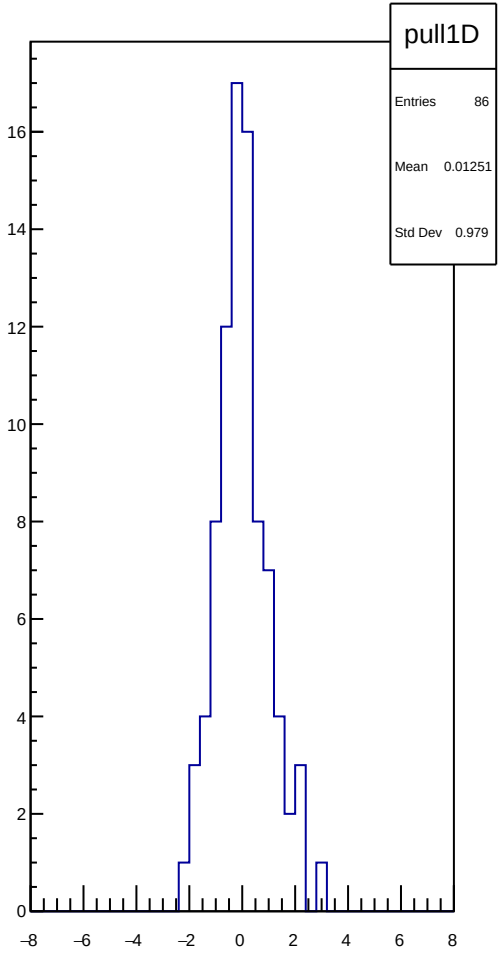

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 104.9 / 85
p0 1091 ± 0.8477
1120
1110
1100
1090
1080
1070
1060

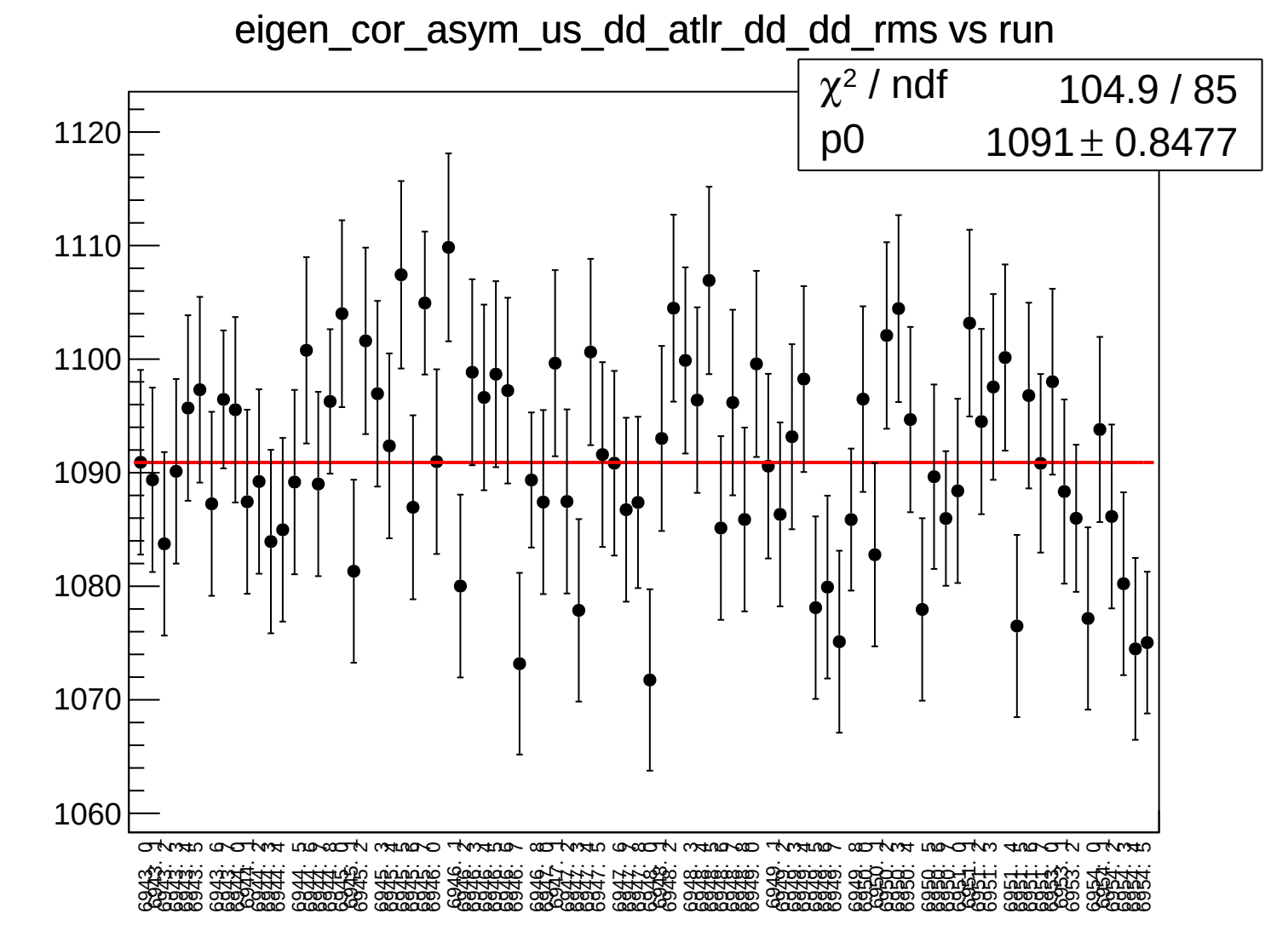

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 90.33 / 85
p0 −2011 ± 655.7
pull
Entries 86
Mean 98.41
Std Dev 0

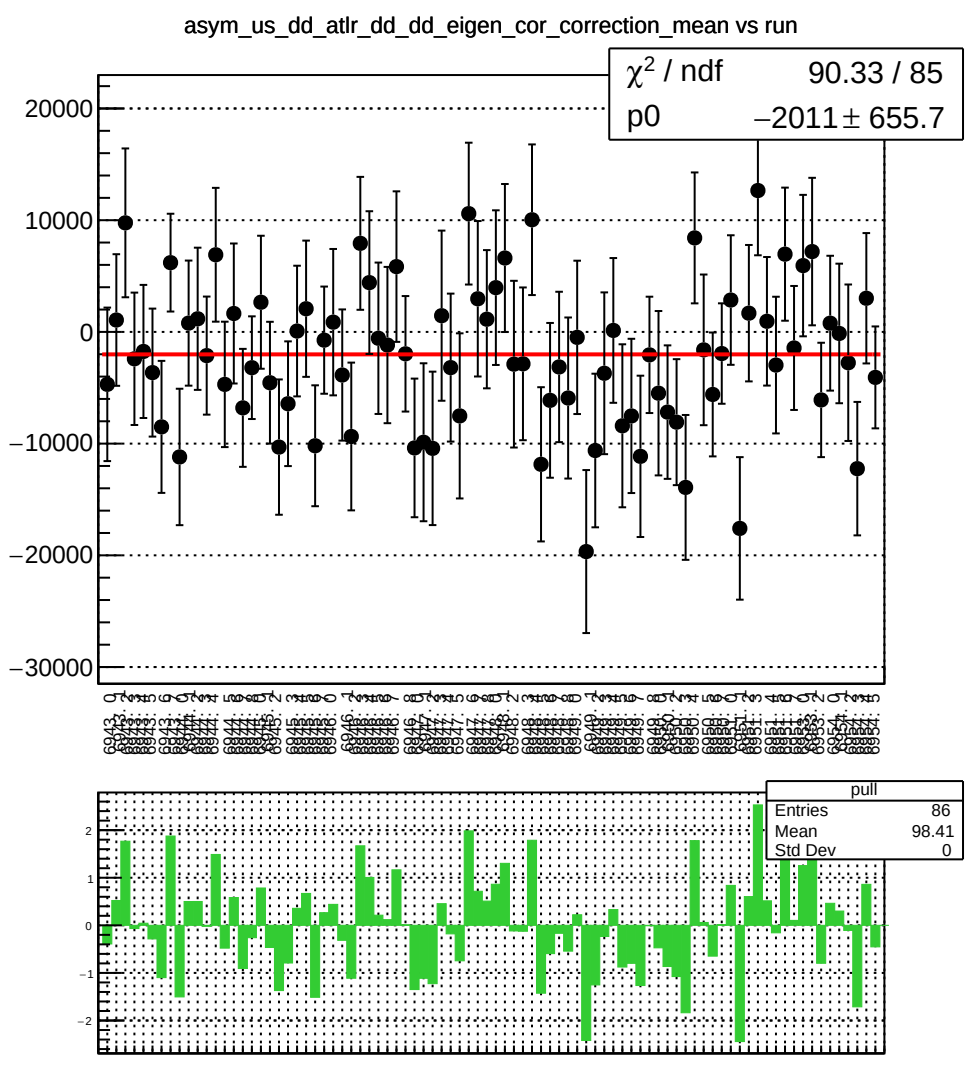

pull1D
Entries 86
Mean −0.01389
Std Dev 1.025

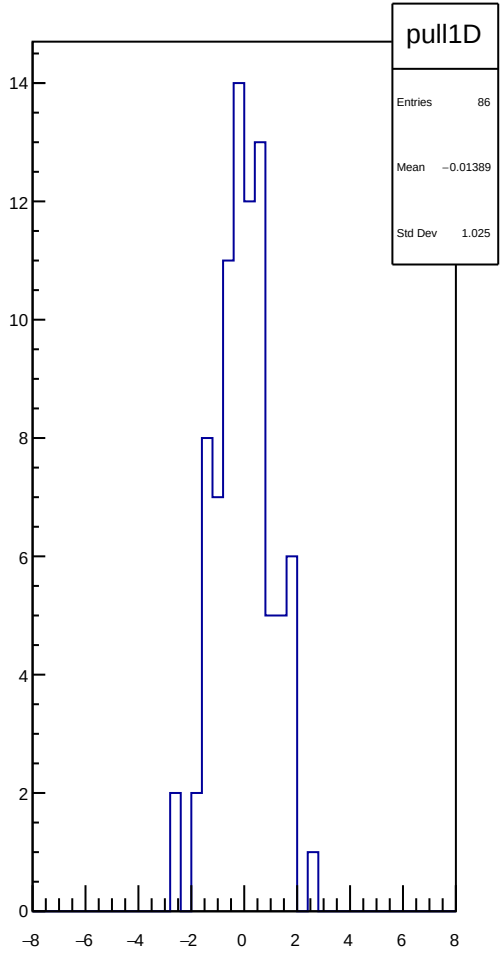

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 594.4 ± 0.4636
750
700
650
600
550
500

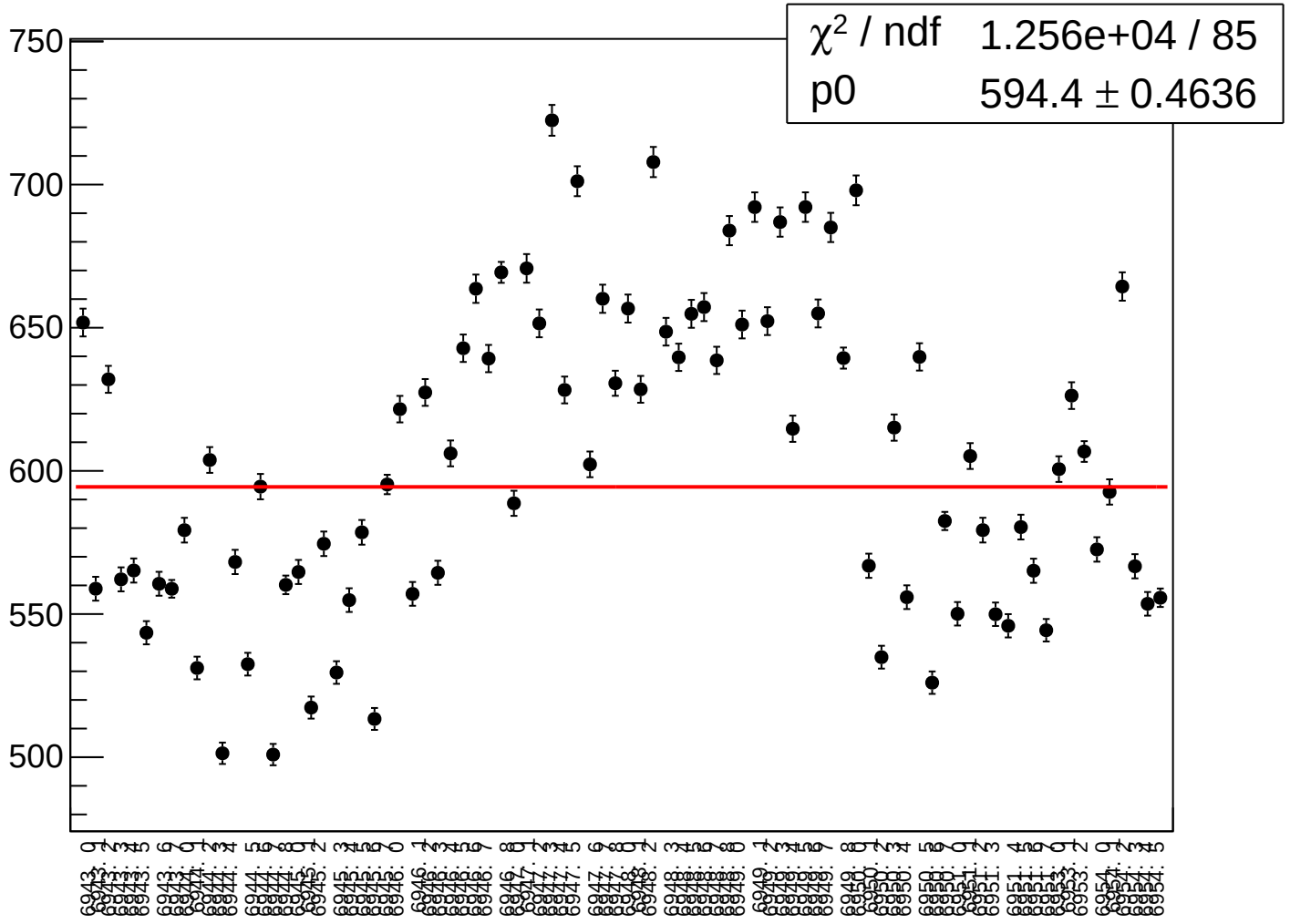

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 82.44 / 85
p0 385.6 ± 1199
pull
Entries 86
Mean −162.6
Std Dev 0

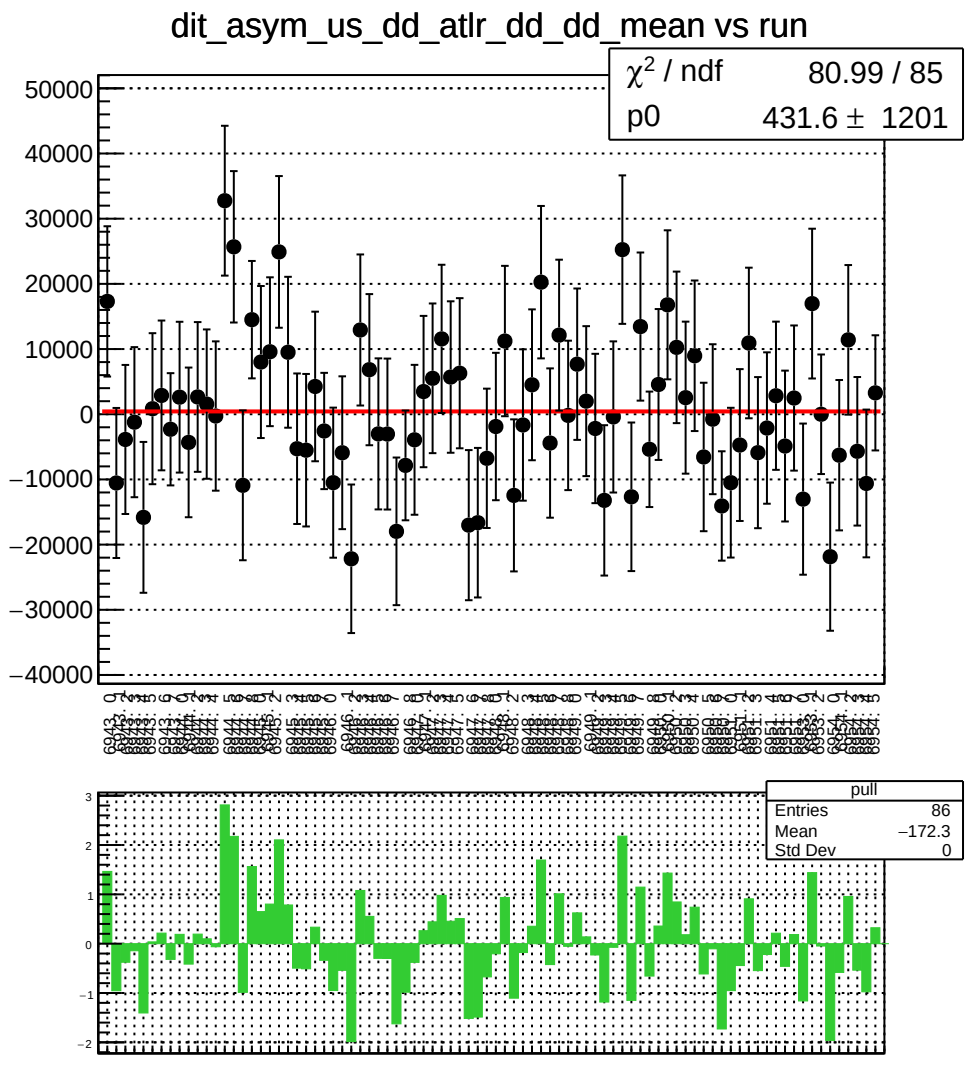

pull1D
Entries 86
Mean 0.01251
Std Dev 0.979

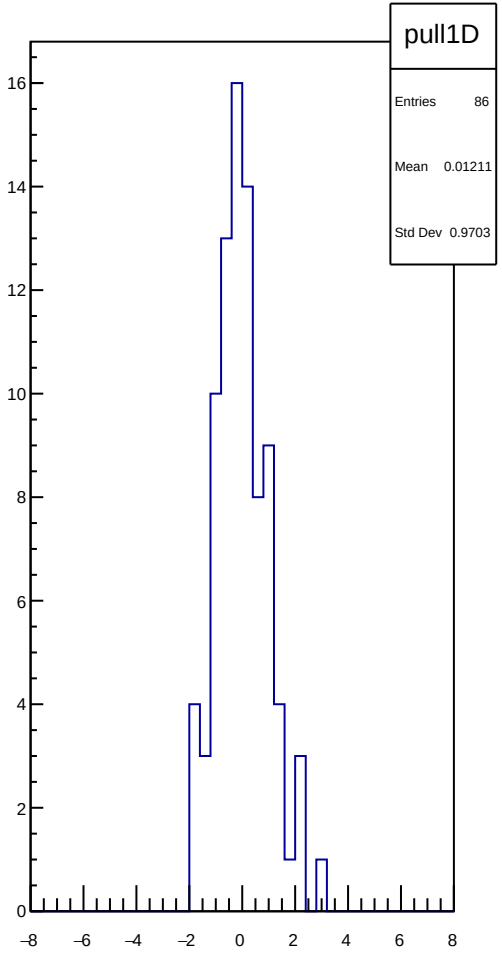

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 104.9 / 85
p0 1091 ± 0.8477
1120
1110
1100
1090
1080
1070
1060

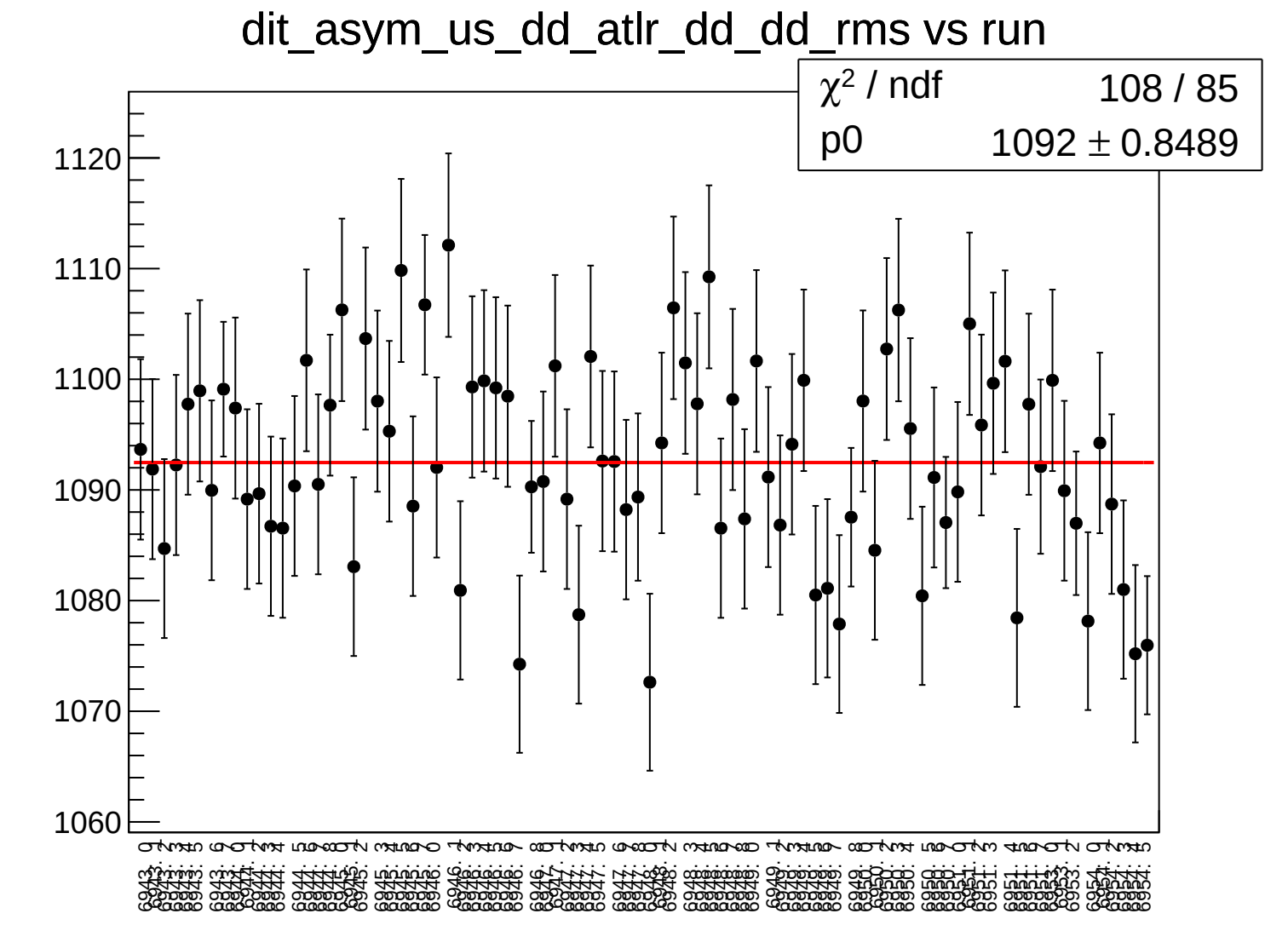

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 90.33 / 85
p0 −2011 ± 655.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 98.41
Std Dev 0
2
1
0
−1
−2

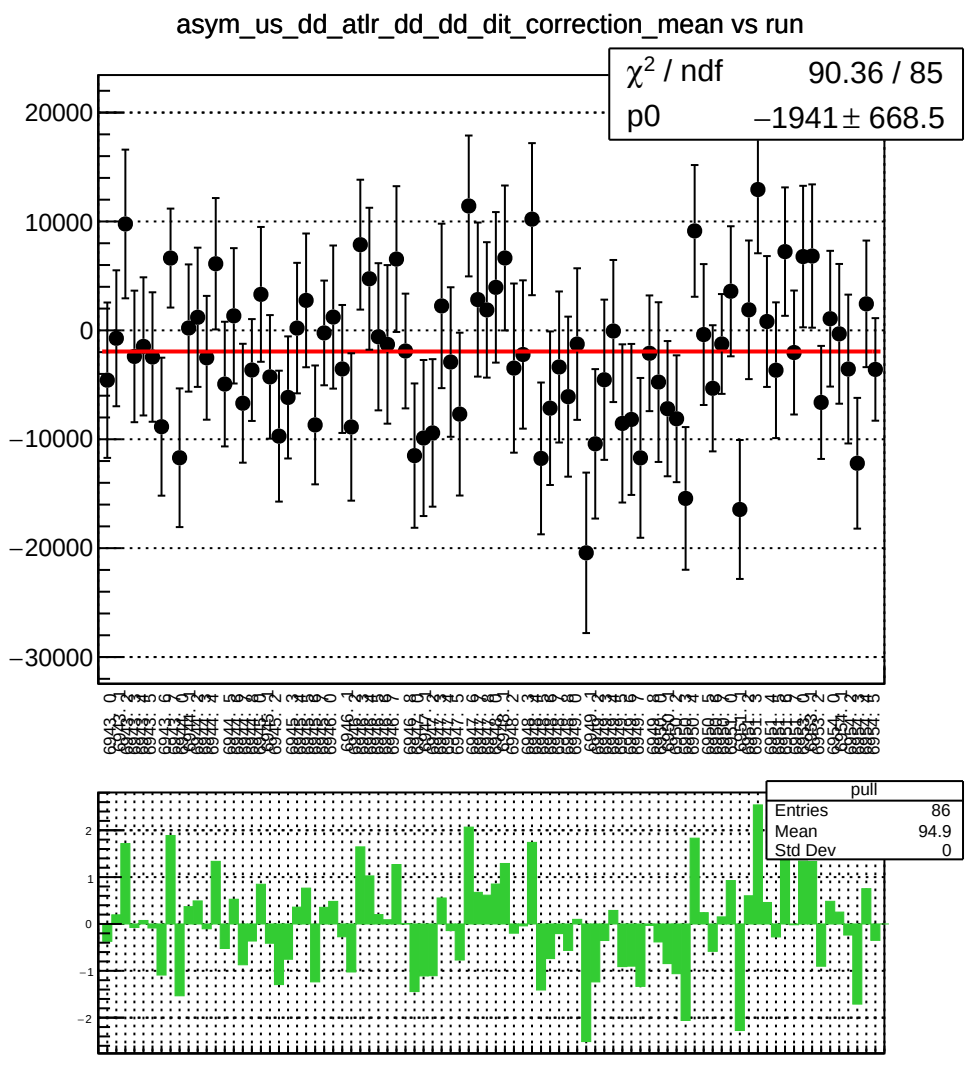

pull1D
Entries 86
Mean −0.01389
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

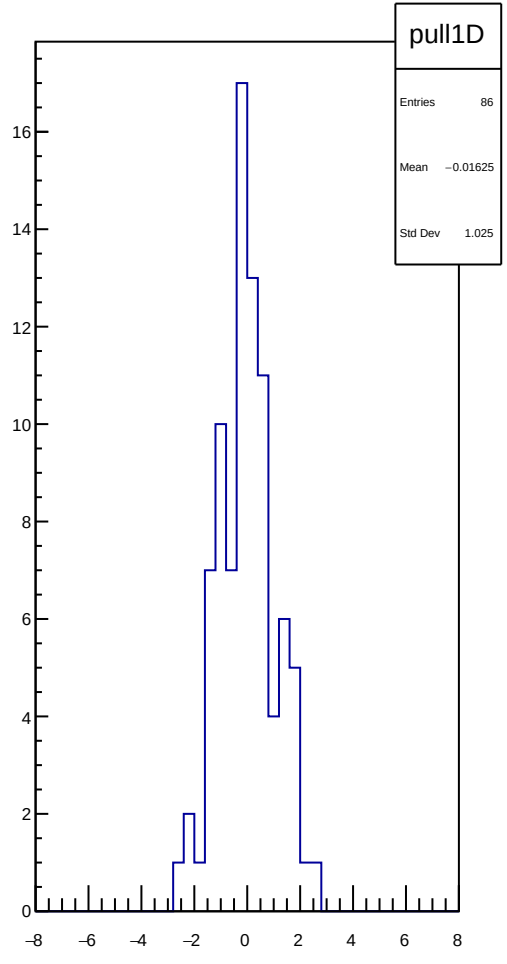

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 594.4 ± 0.4636
750
700
650
600
550
500

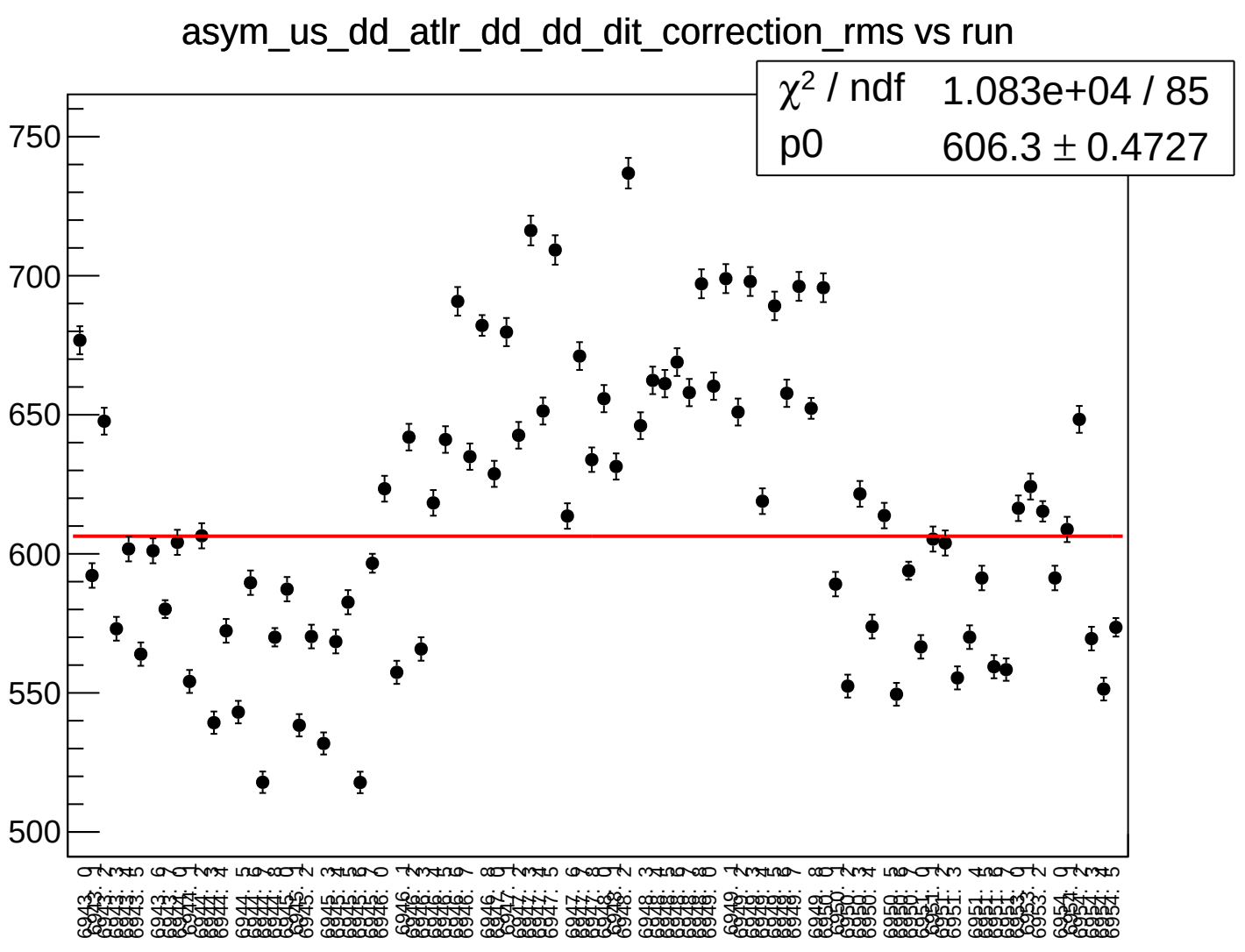

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 80.99 / 85
p0 431.6 ± 1201
pull
Entries 86
Mean −172.3
Std Dev 0

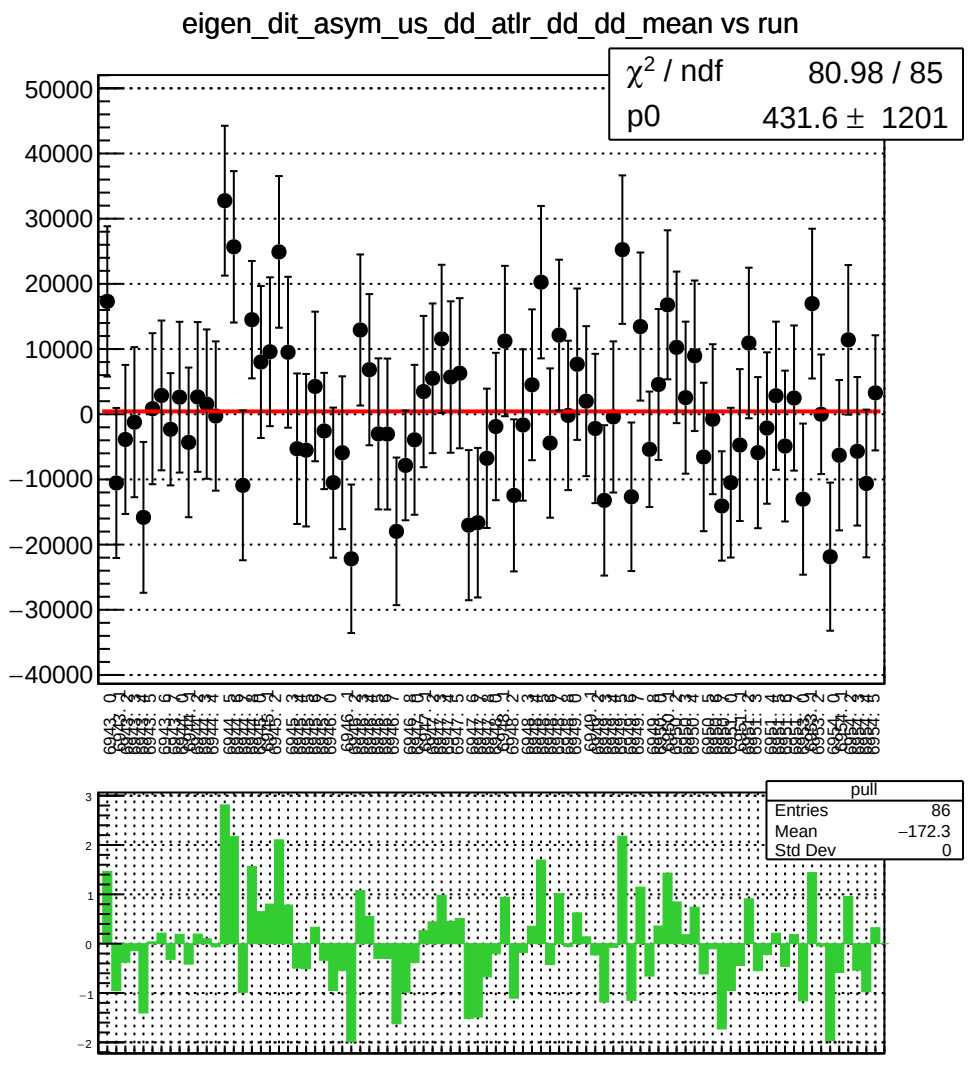

pull1D
Entries 86
Mean 0.01211
Std Dev 0.9703

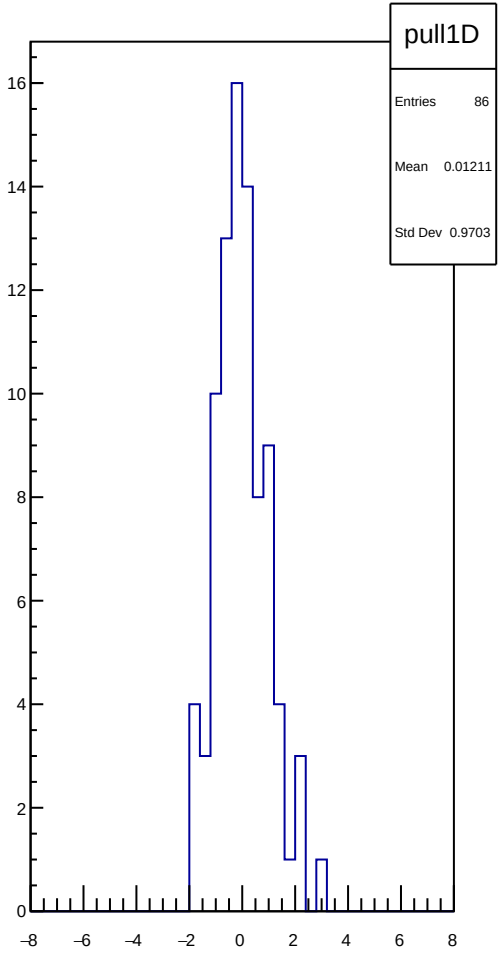

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 108 / 85
p0 1092 ± 0.8489
1120
1110
1100
1090
1080
1070
1060

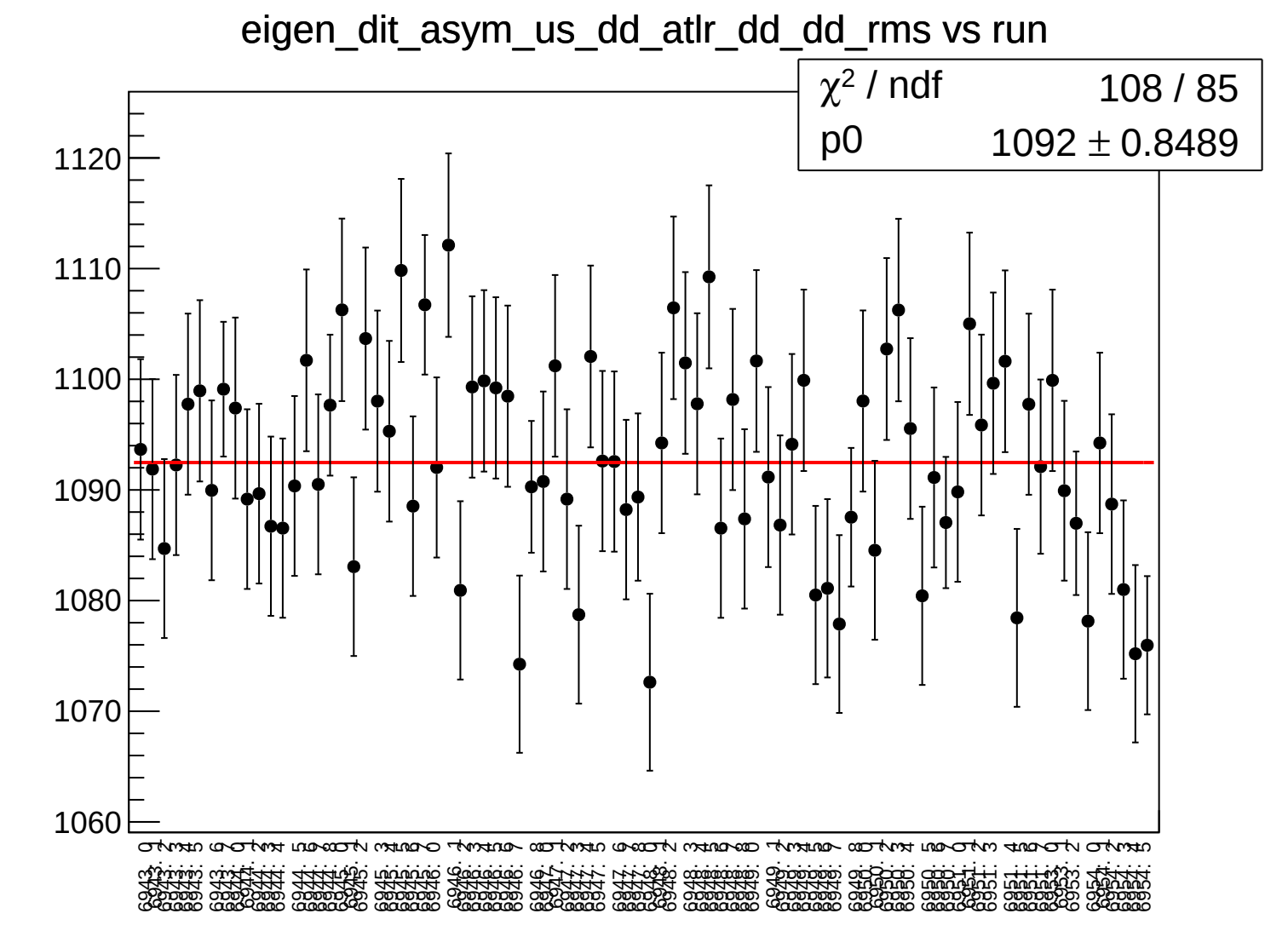

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 90.36 / 85
p0 −1941 ± 668.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 94.9
Std Dev 0
2
1
0
−1
−2

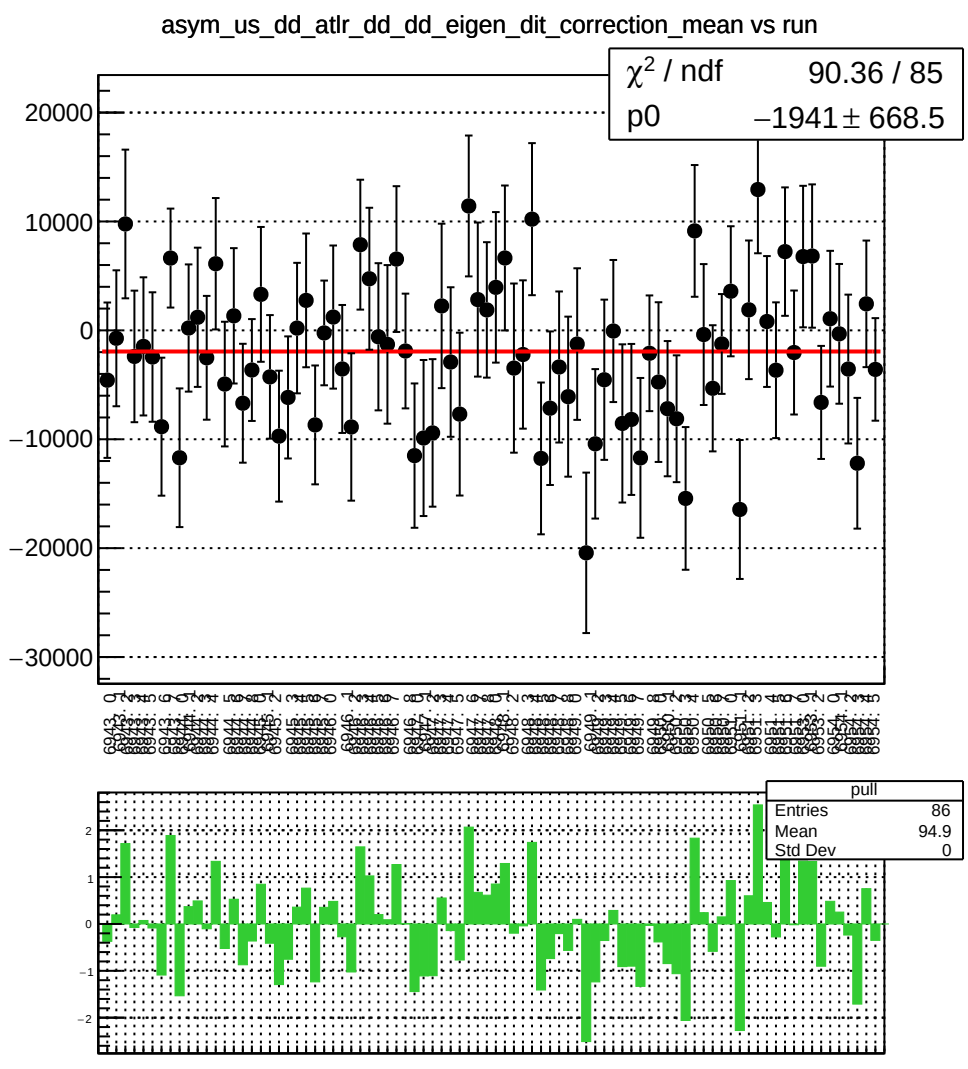

pull1D
Entries 86
Mean −0.01625
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

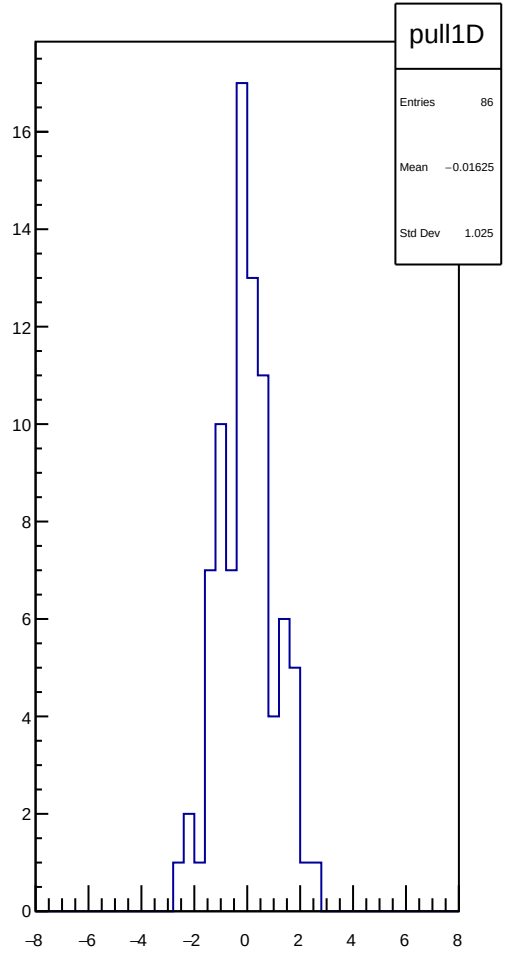

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.083e+04 / 85
p0 606.3 ± 0.4727
750
700
650
600
550
500

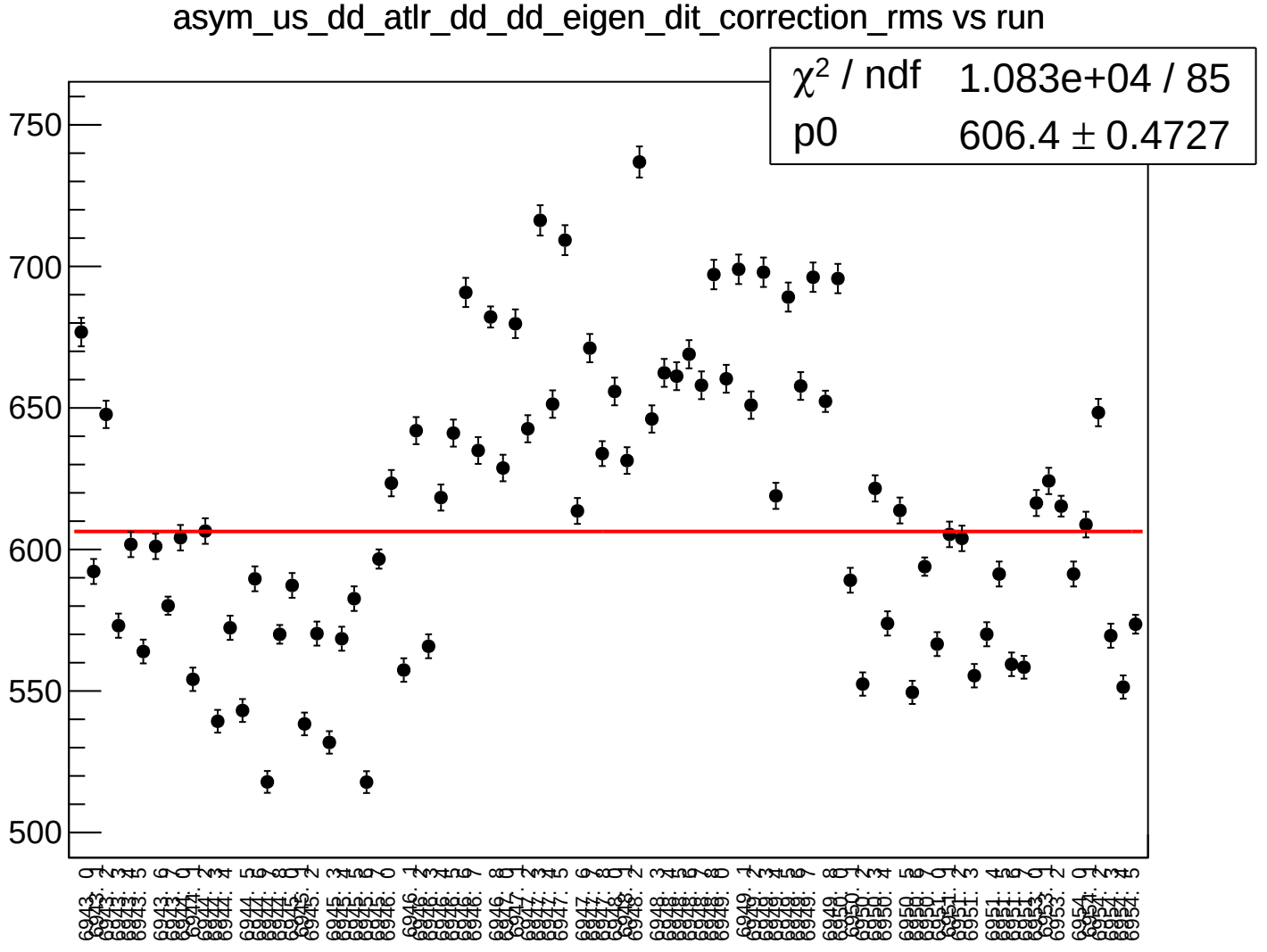

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 80.98 / 85
p0 431.6 ± 1201
pull
Entries 86
Mean −172.3
Std Dev 0

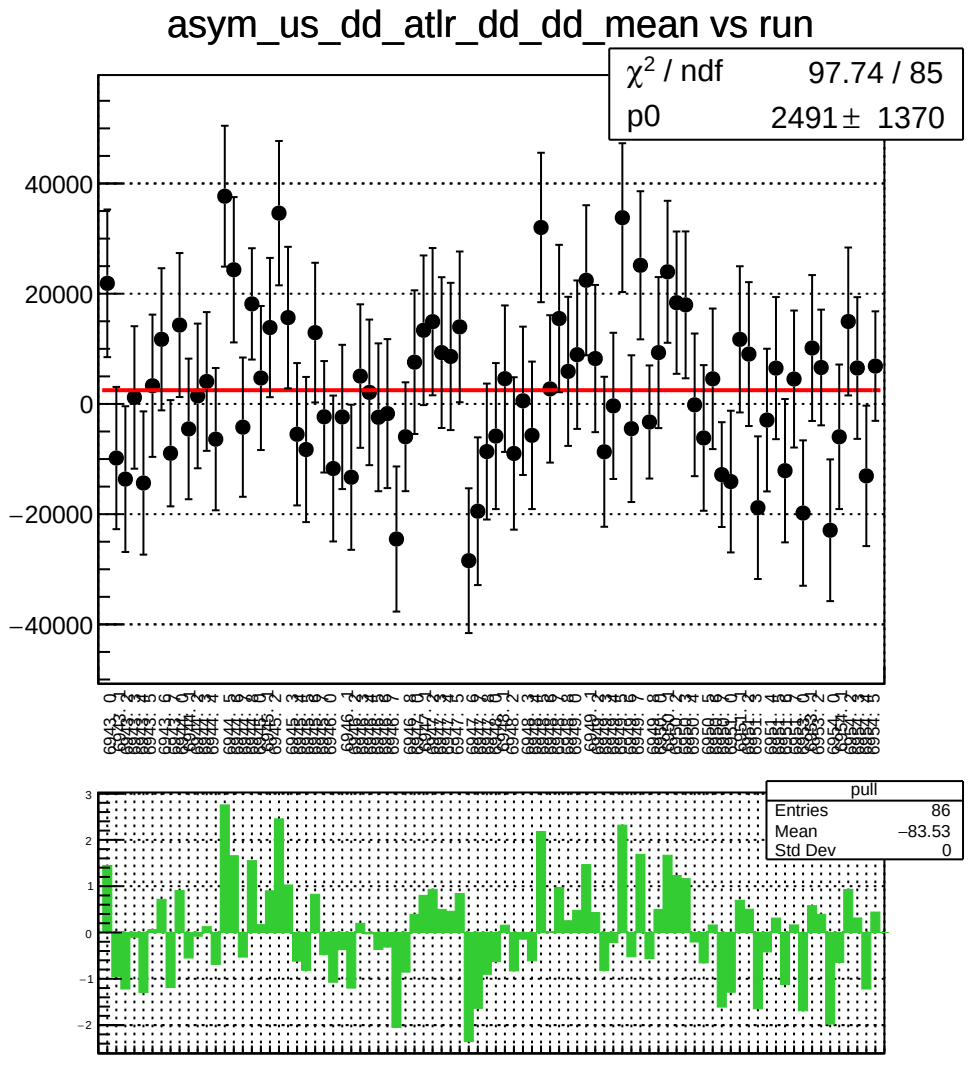

pull1D
Entries 86
Mean 0.01211
Std Dev 0.9703

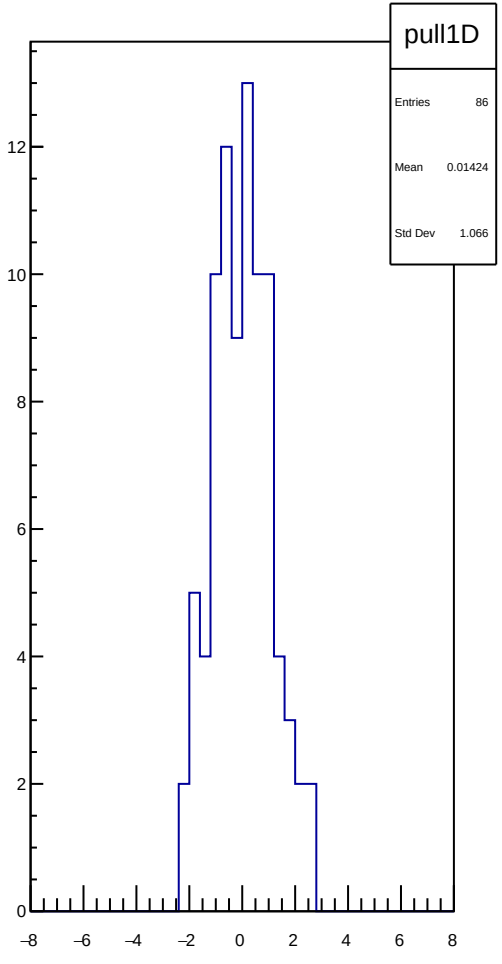

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 108 / 85
p0 1092 ± 0.8489
1120
1110
1100
1090
1080
1070
1060

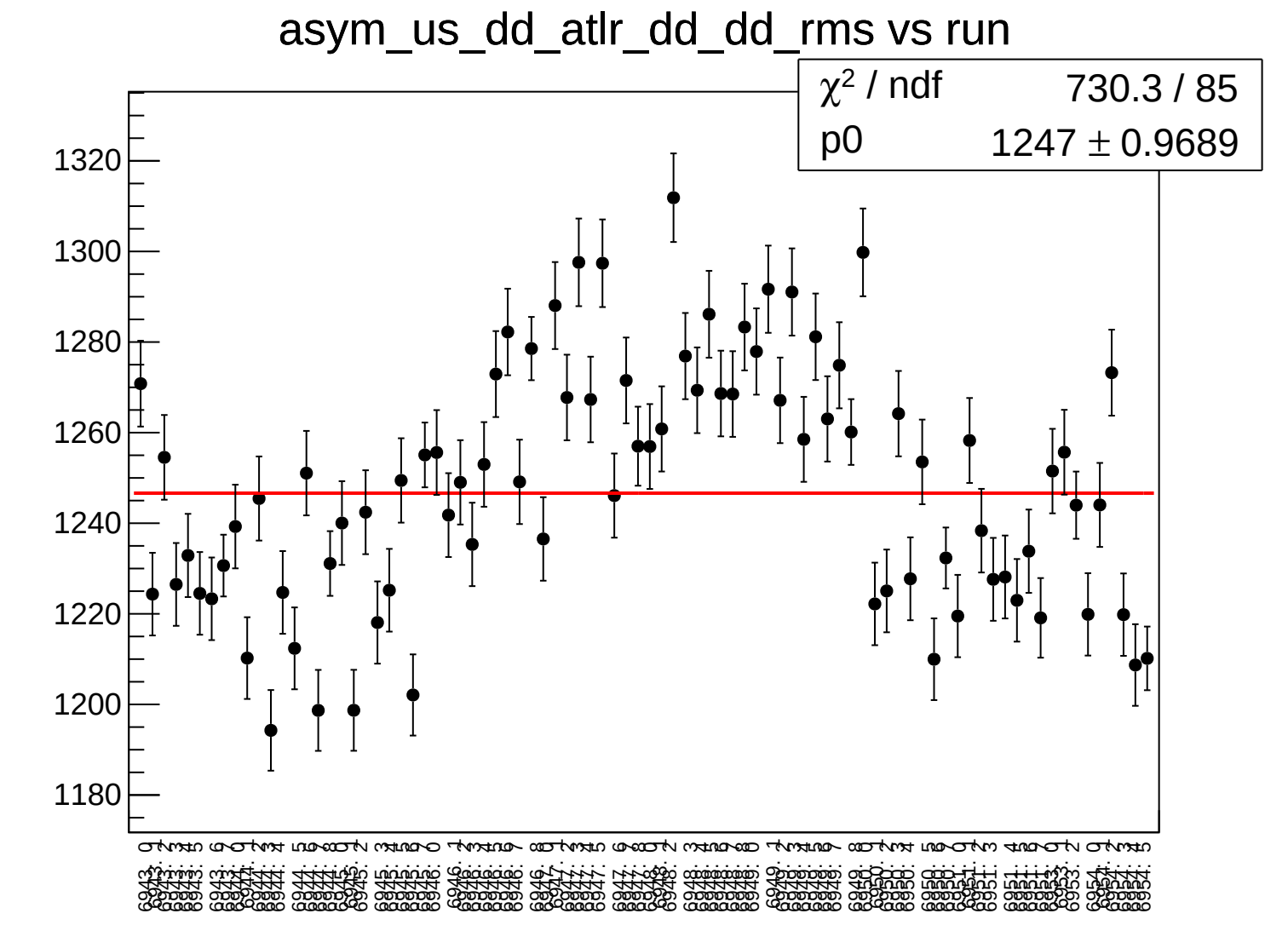

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 90.36 / 85
p0 −1941 ± 668.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 94.9
Std Dev 0
2
1
0
−1
−2

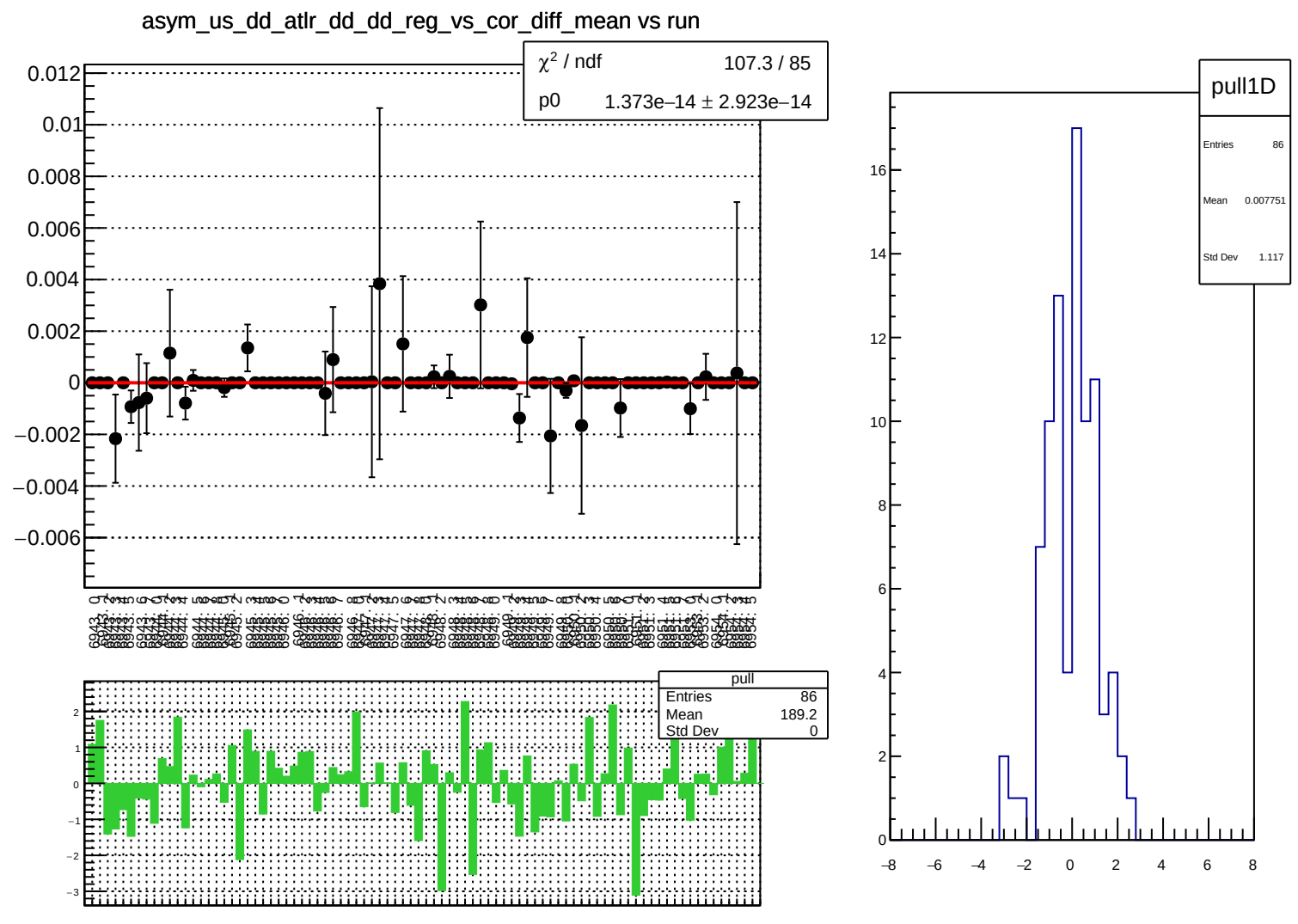

pull1D
Entries 86
Mean −0.01625
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

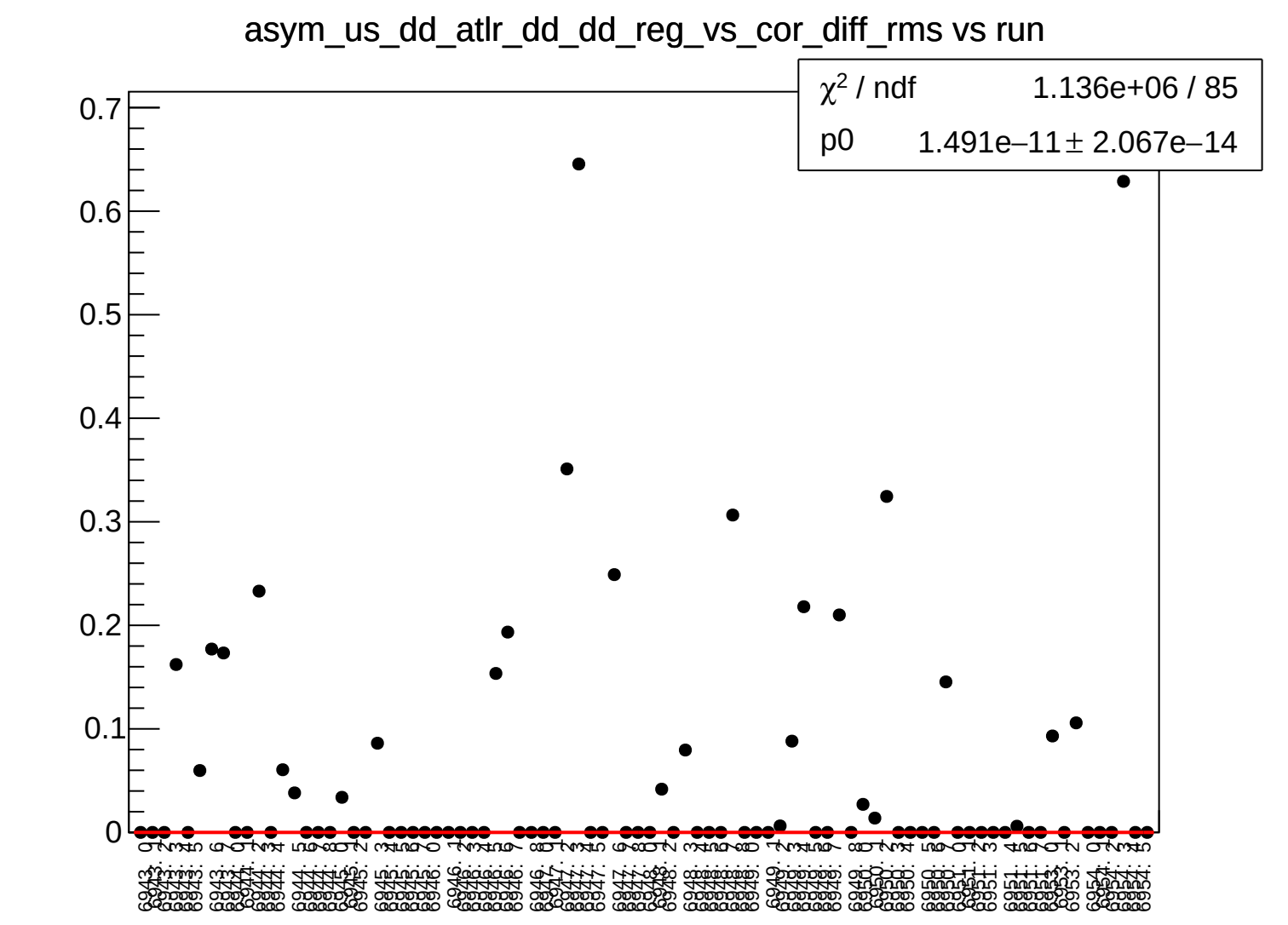

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.083e+04 / 85
p0 606.4 ± 0.4727
750
700
650
600
550
500

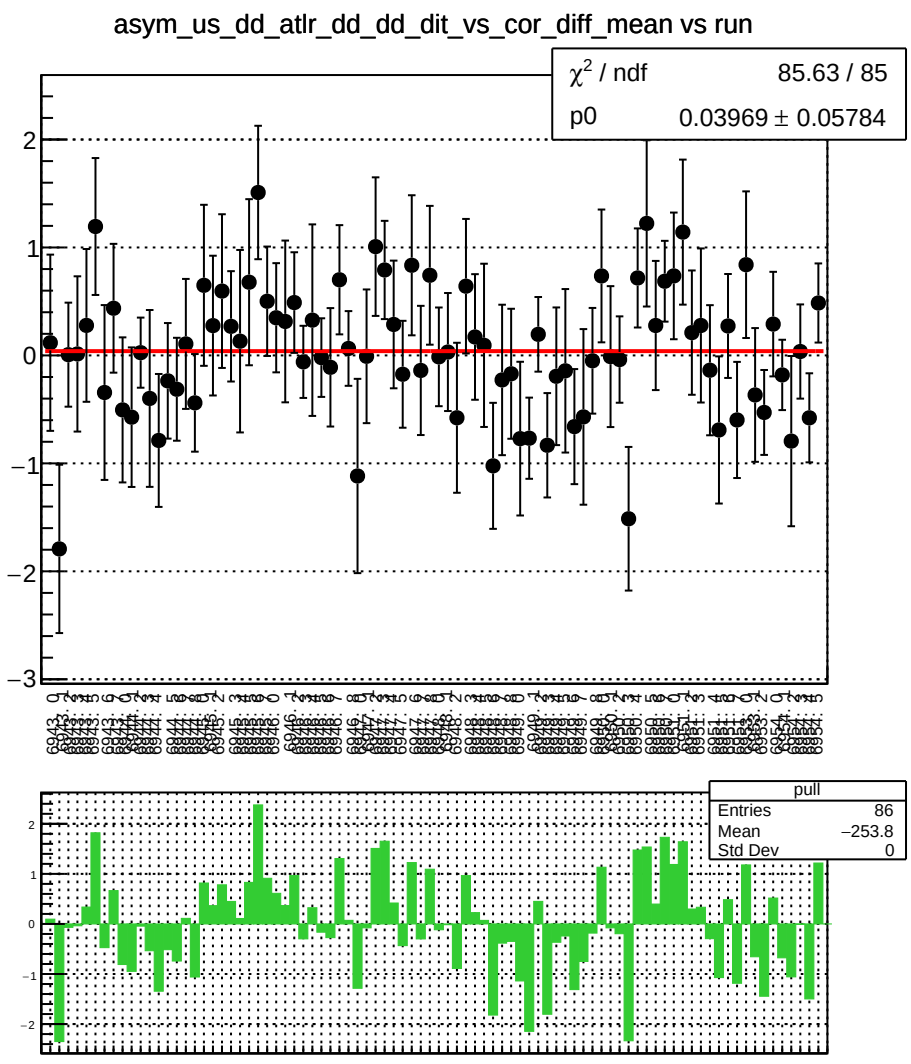

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 97.74 / 85
p0 2491 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −83.53
Std Dev 0
3
2
1
0
−1
−2

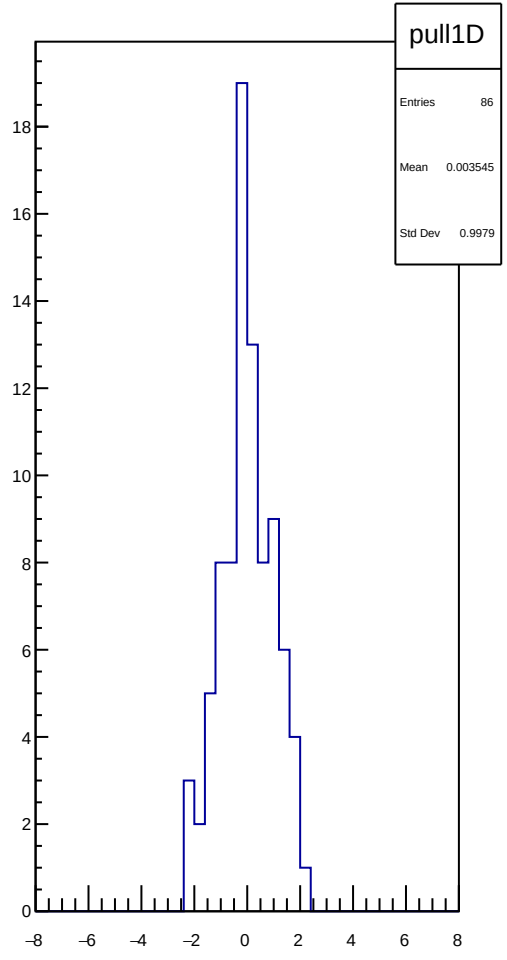

pull1D
Entries 86
Mean 0.01424
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

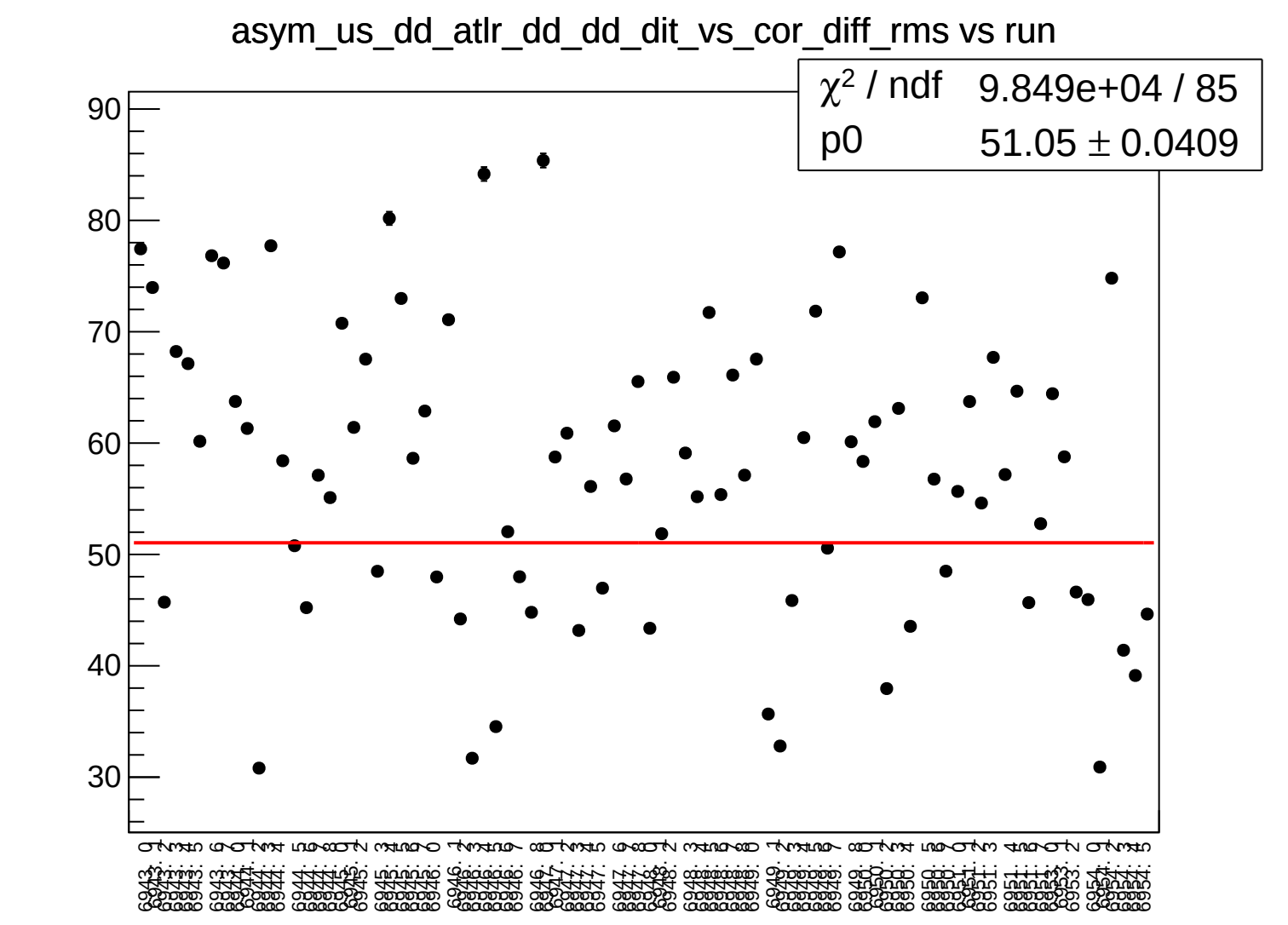

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 730.3 / 85
p0 1247 ± 0.9689
1320
1300
1280
1260
1240
1220
1200
1180

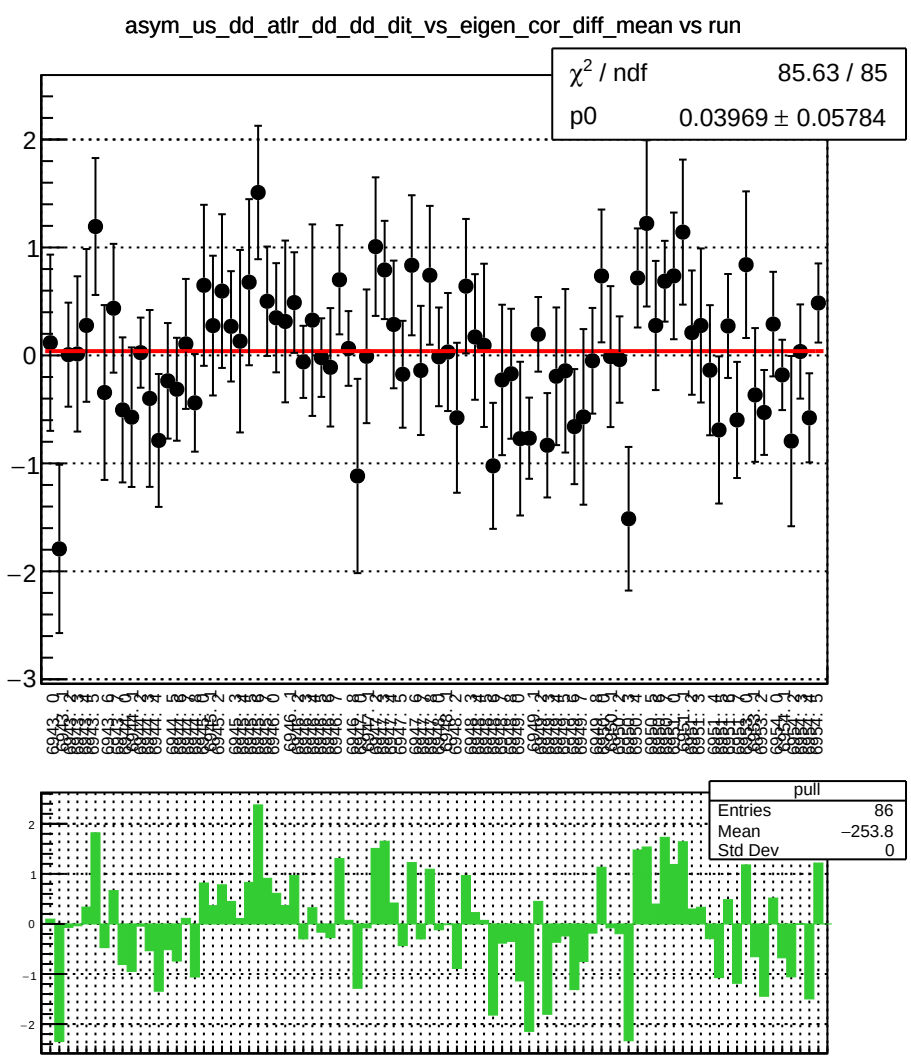

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 107.3 / 85
p0 1.373e−14 ± 2.923e−14
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 86
Mean 189.2
Std Dev 0
pull1D
Entries 86
Mean 0.007751
Std Dev 1.117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

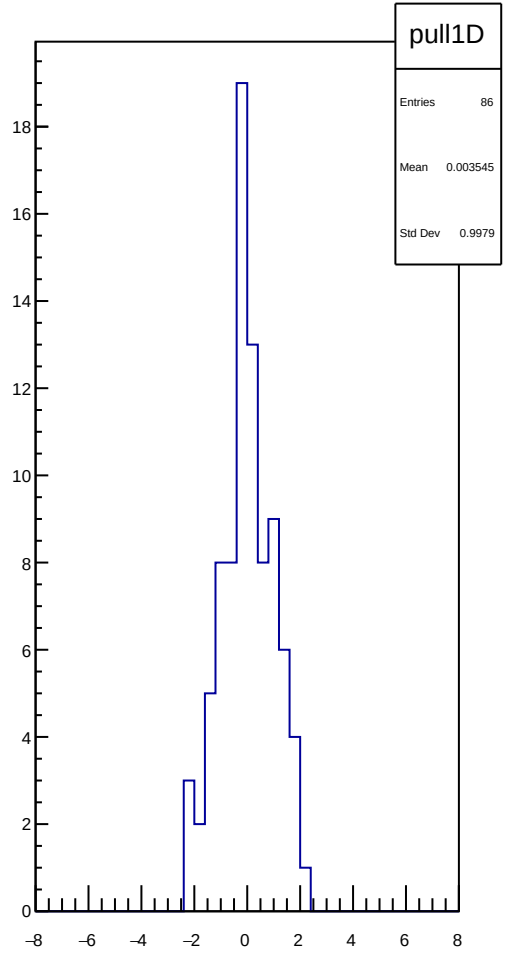

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.136e+06 / 85
p0 1.491e−11 ± 2.067e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

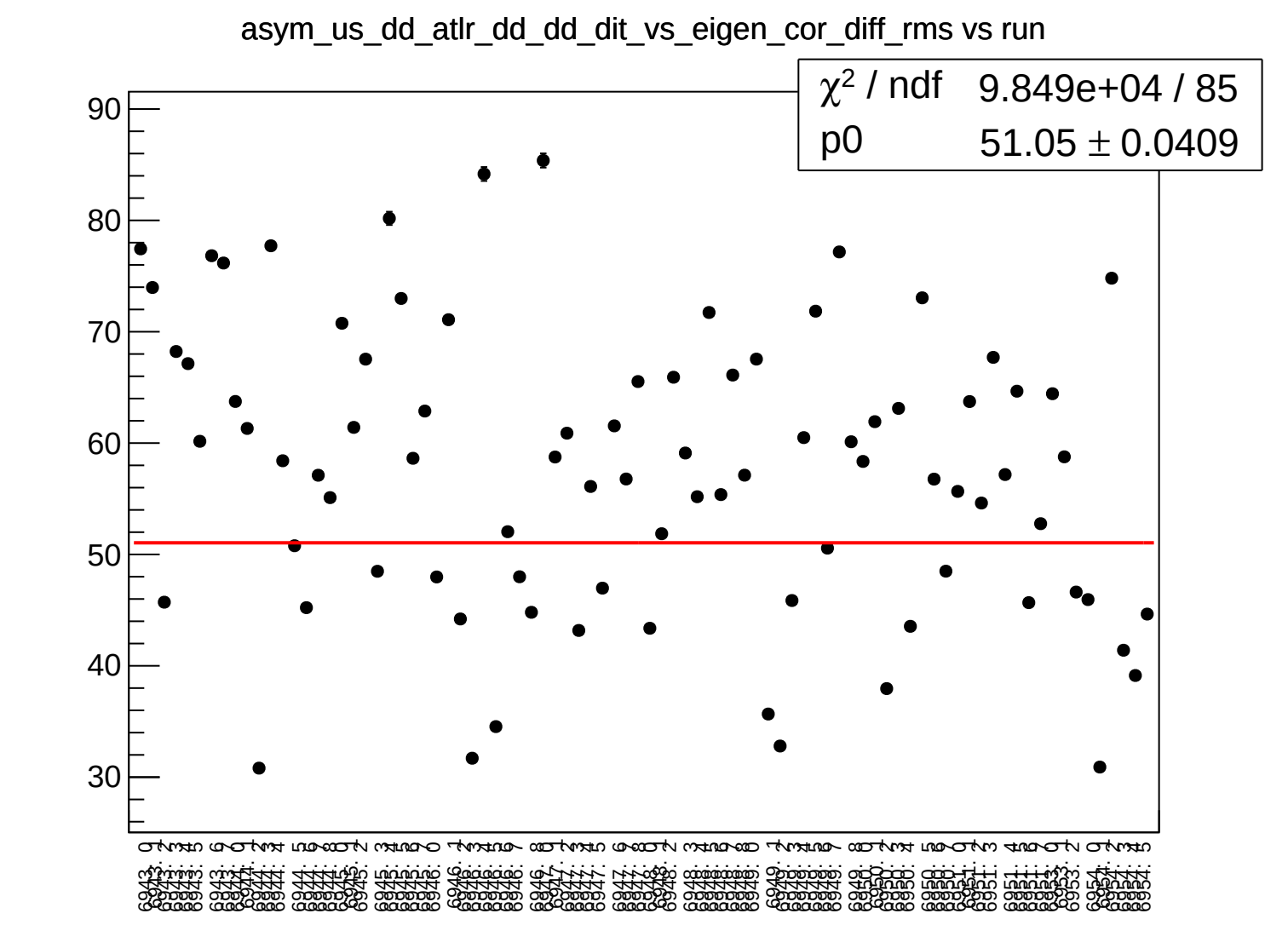

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.63 / 85
p0 0.03969 ± 0.05784
pull
Entries 86
Mean −253.8
Std Dev 0

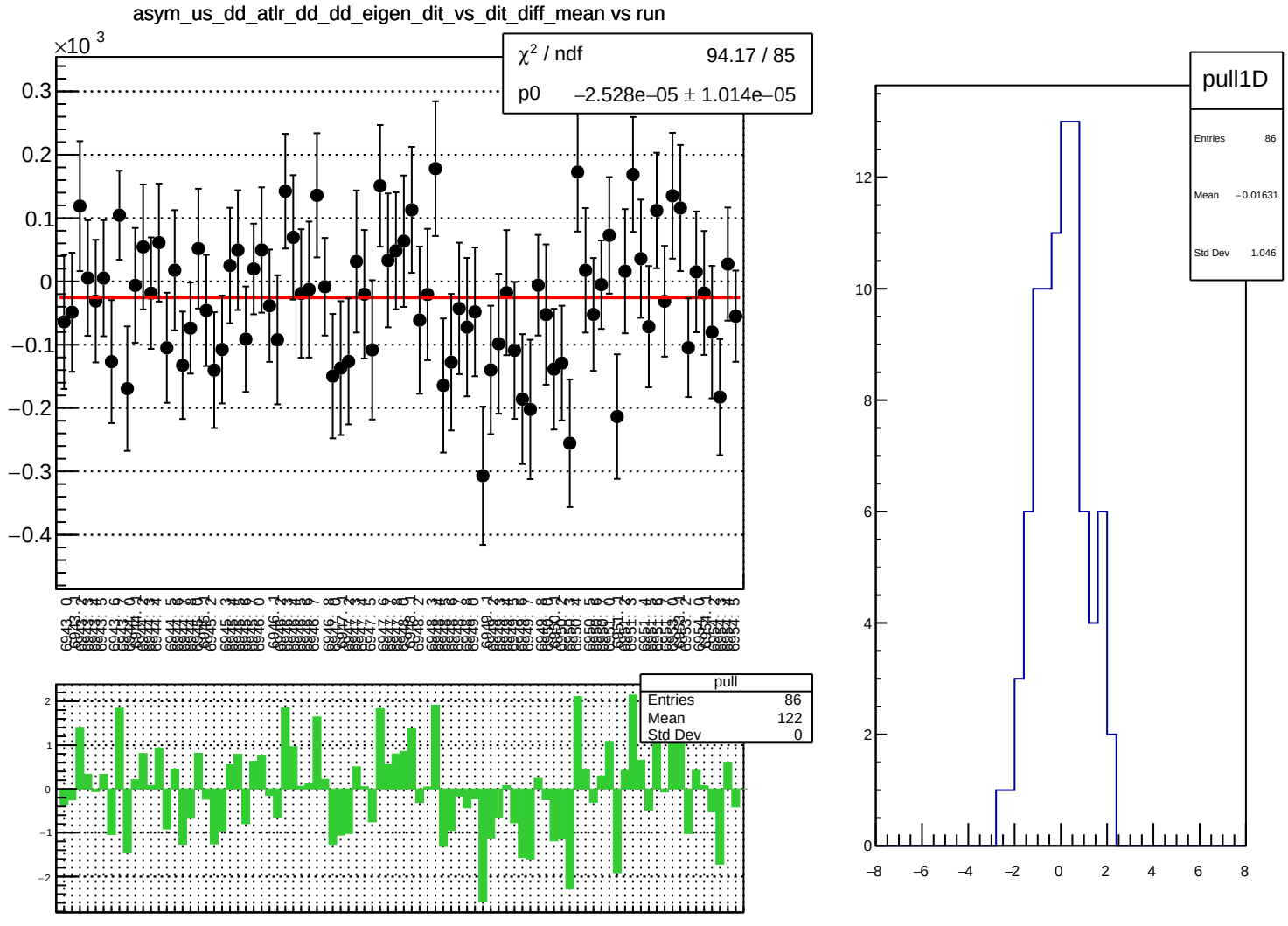

pull1D
Entries 86
Mean 0.003545
Std Dev 0.9979

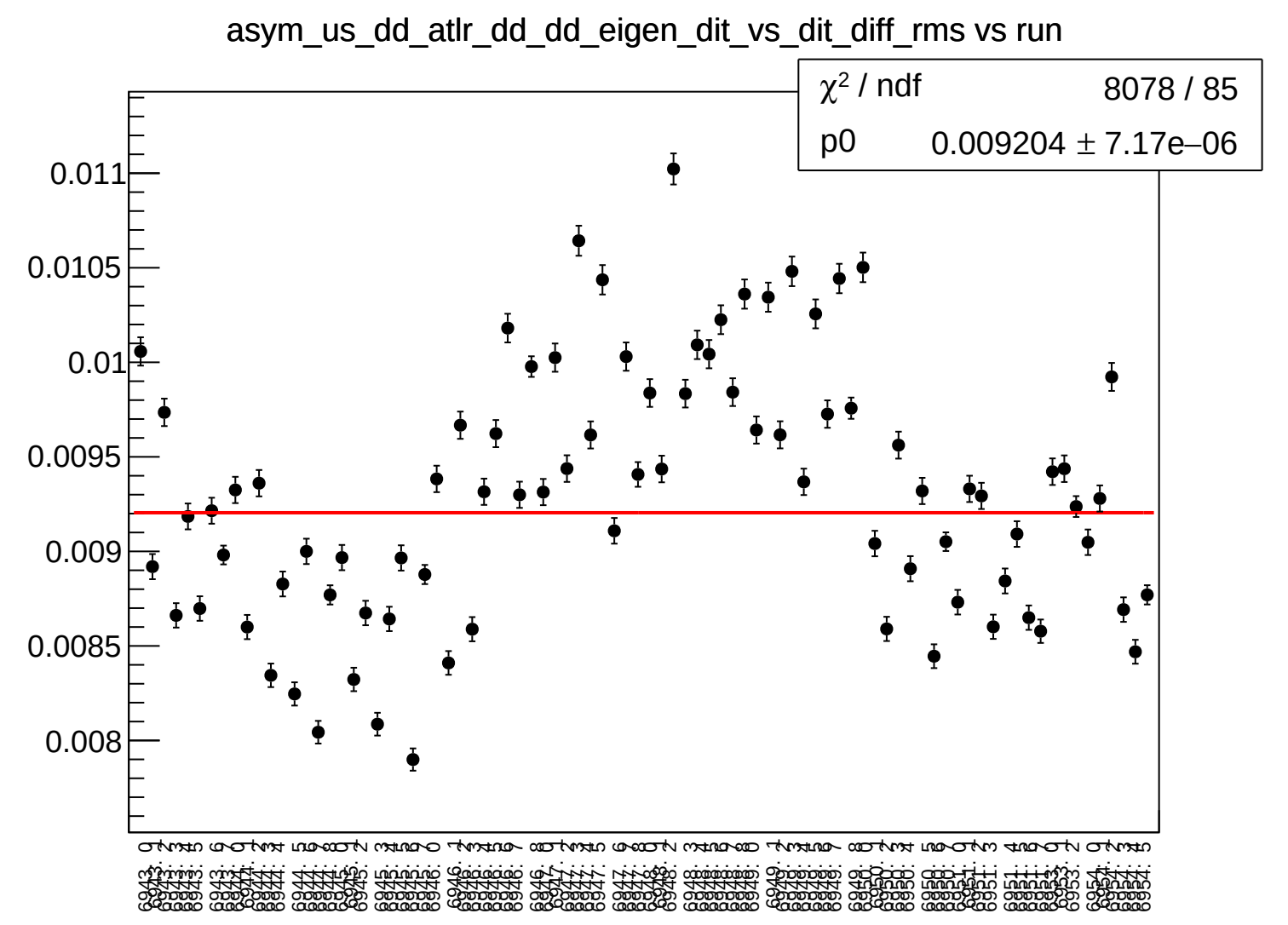

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.849e+04 / 85
p0 51.05 ± 0.0409
90
80
70
60
50
40
30

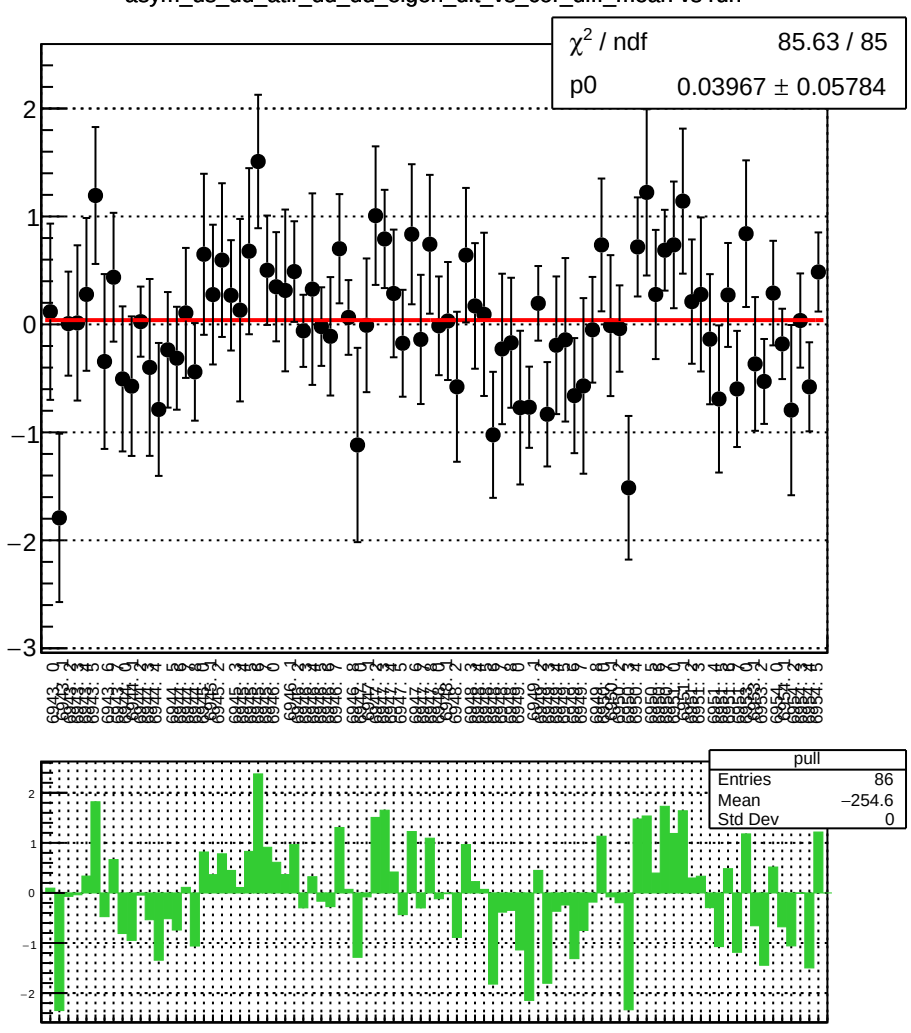

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.63 / 85
p0 0.03969 ± 0.05784
pull
Entries 86
Mean −253.8
Std Dev 0

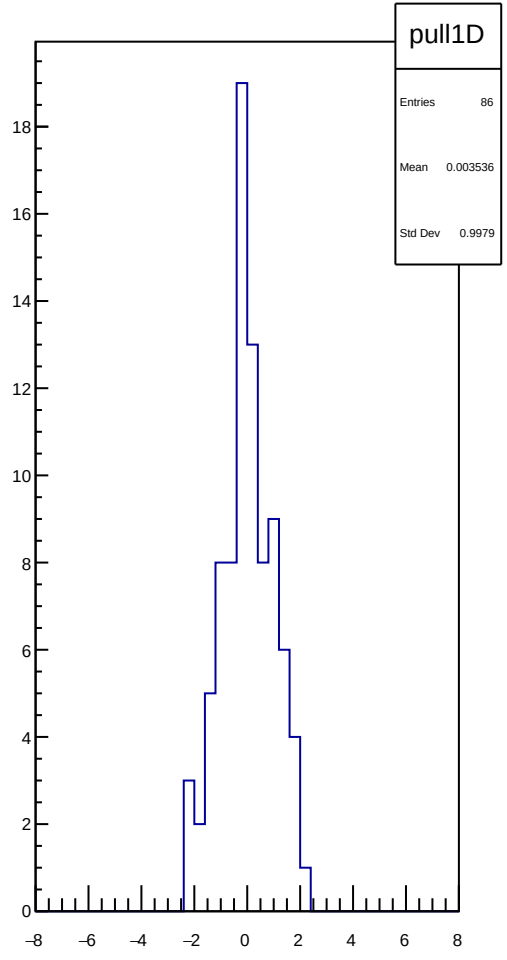

pull1D
Entries 86
Mean 0.003545
Std Dev 0.9979

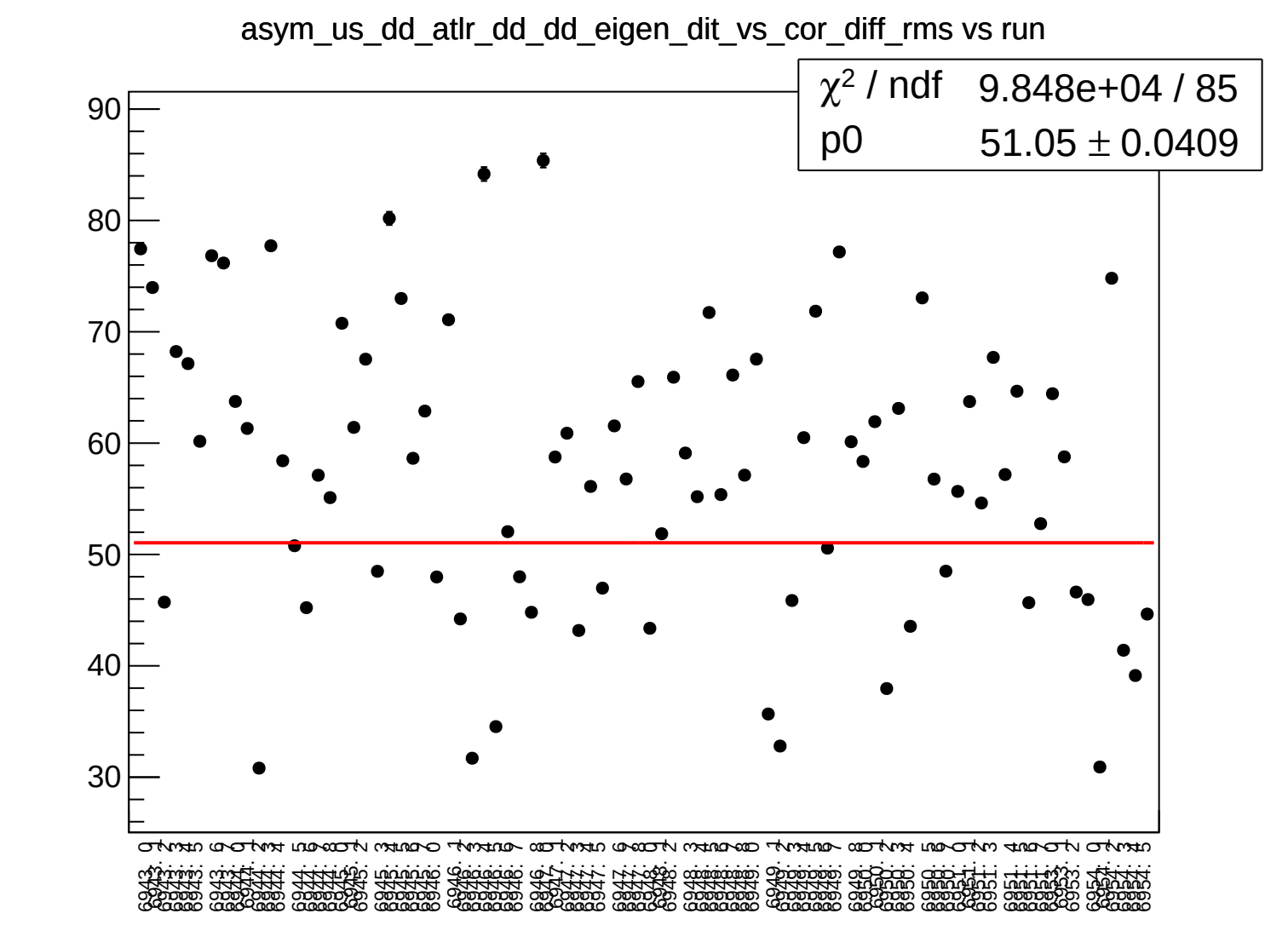

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.849e+04 / 85
p0 51.05 ± 0.0409
90
80
70
60
50
40
30

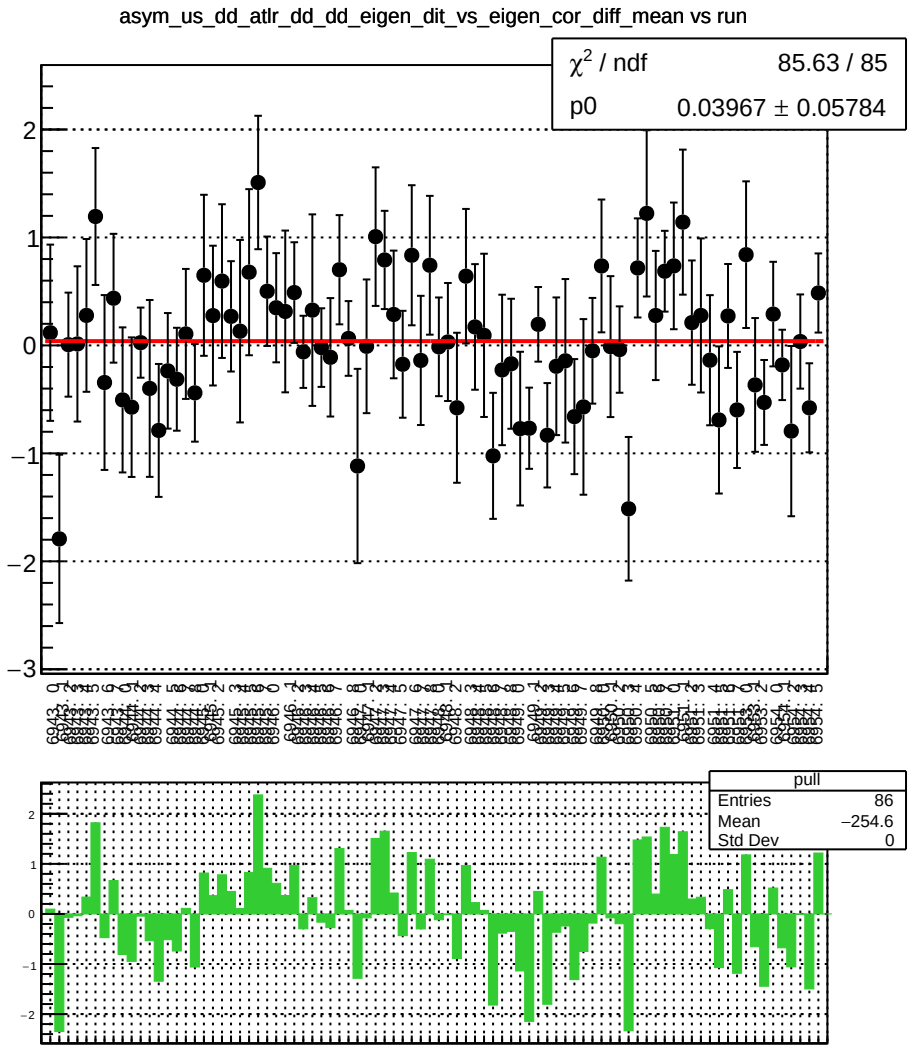

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.17 / 85
p0 −2.528e−05 ± 1.014e−05
pull
Entries 86
Mean 122
Std Dev 0
pull1D
Entries 86
Mean −0.01631
Std Dev 1.046

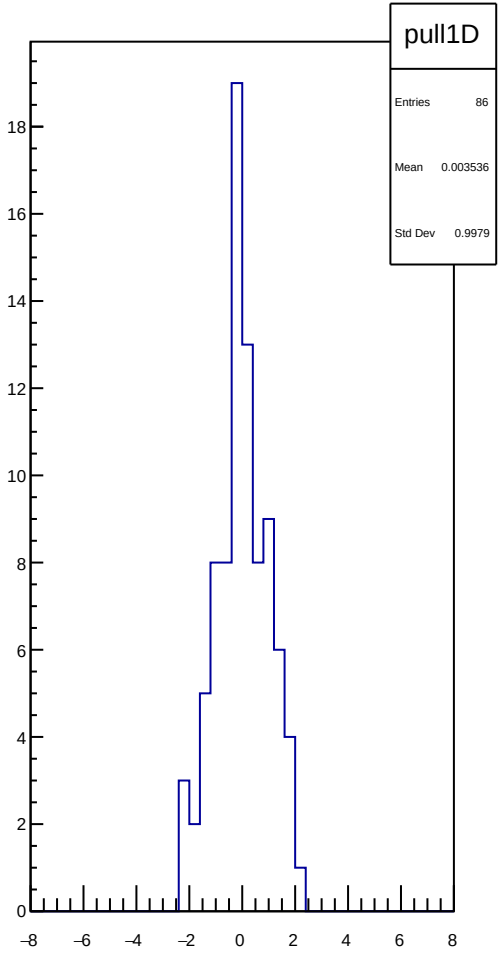

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8078 / 85
p0 0.009204 ± 7.17e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

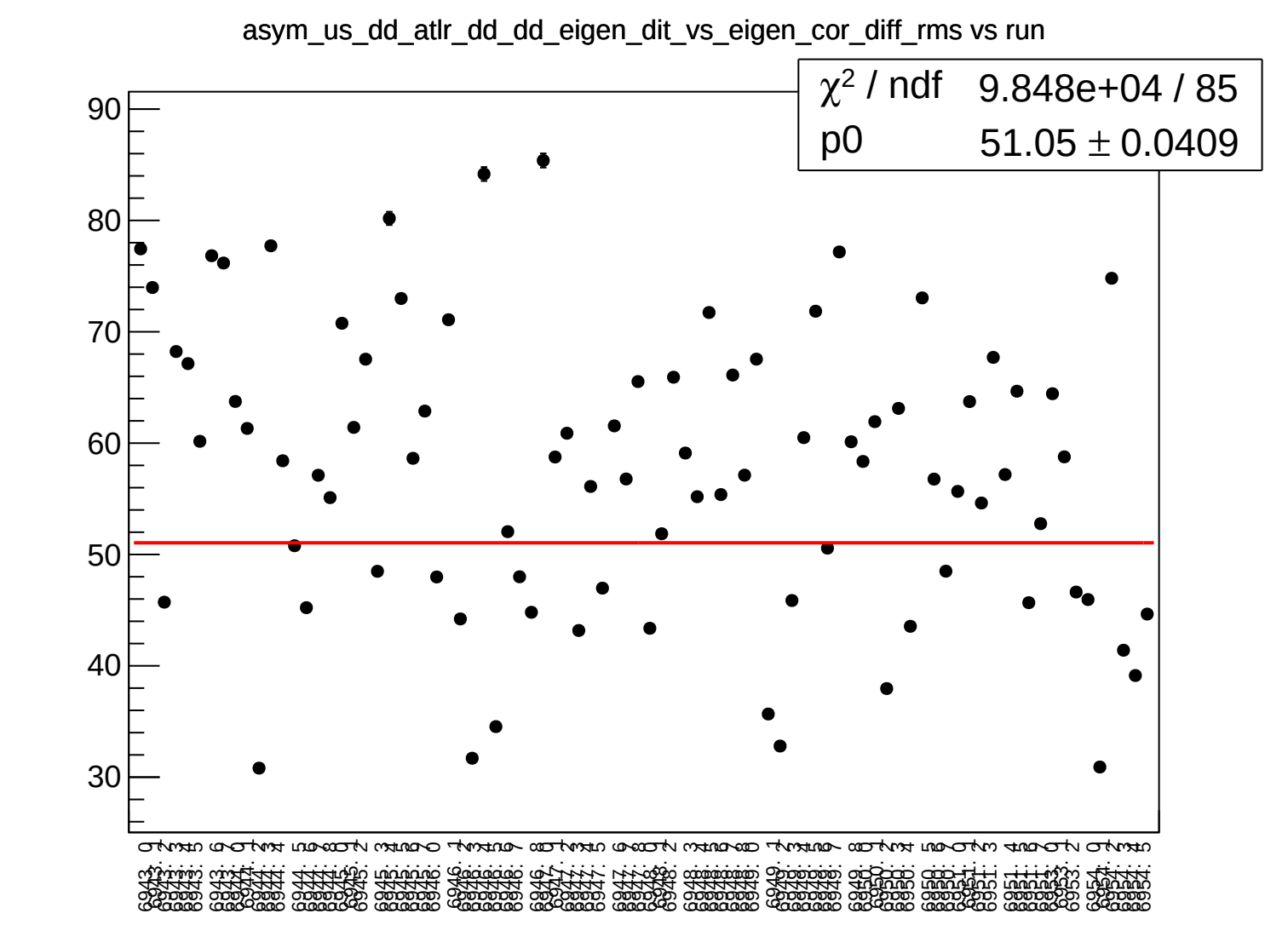

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.63 / 85
p0 0.03967 ± 0.05784
pull
Entries 86
Mean −254.6
Std Dev 0

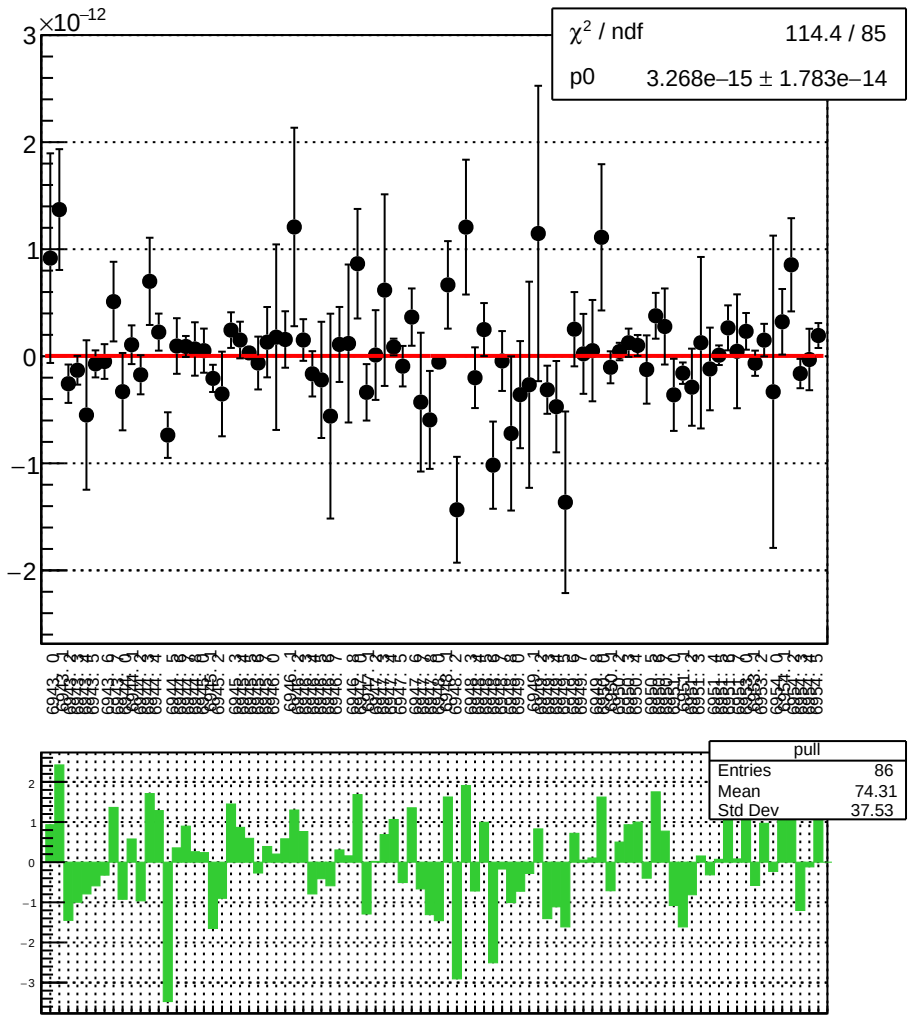

pull1D
Entries 86
Mean 0.003536
Std Dev 0.9979

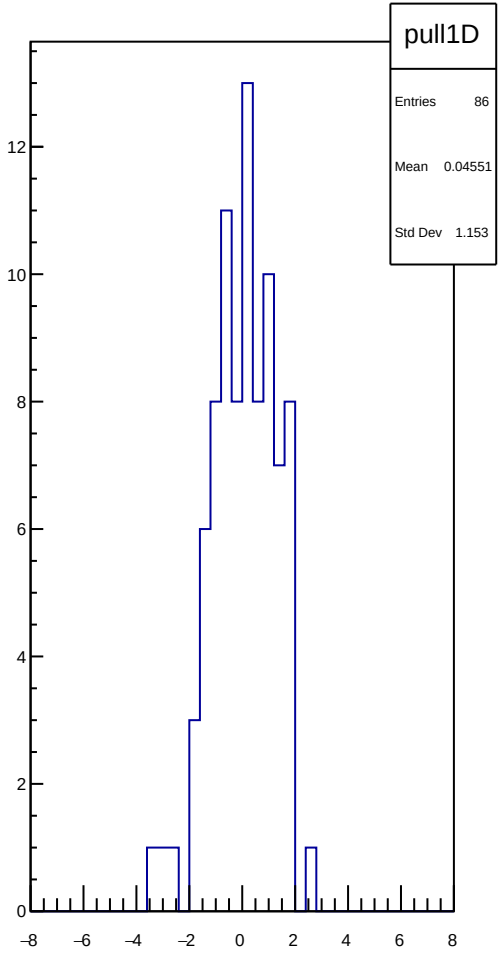

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.848e+04 / 85
p0 51.05 ± 0.0409
90
80
70
60
50
40
30

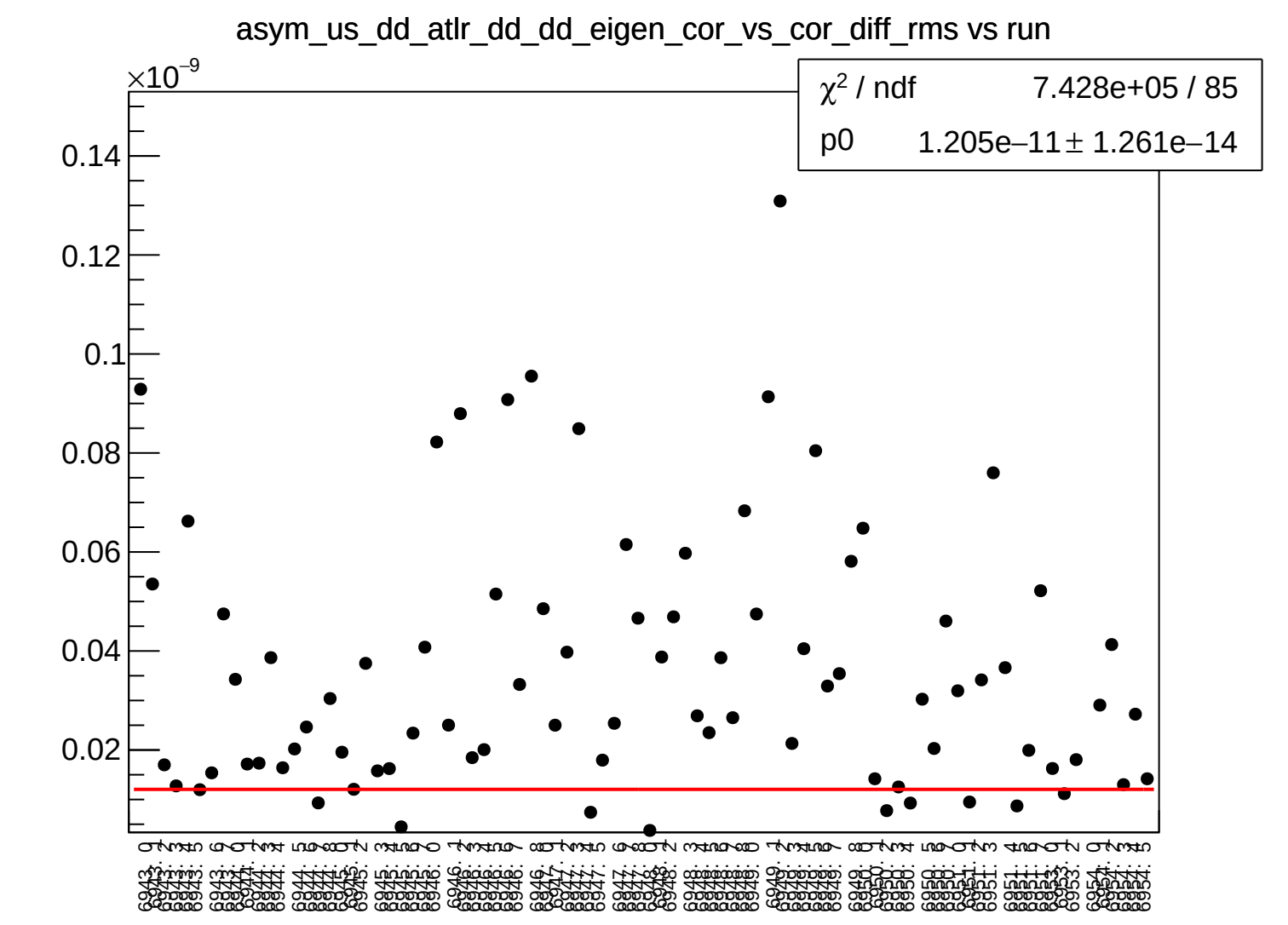

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.63 / 85
p0 0.03967 ± 0.05784
pull
Entries 86
Mean −254.6
Std Dev 0

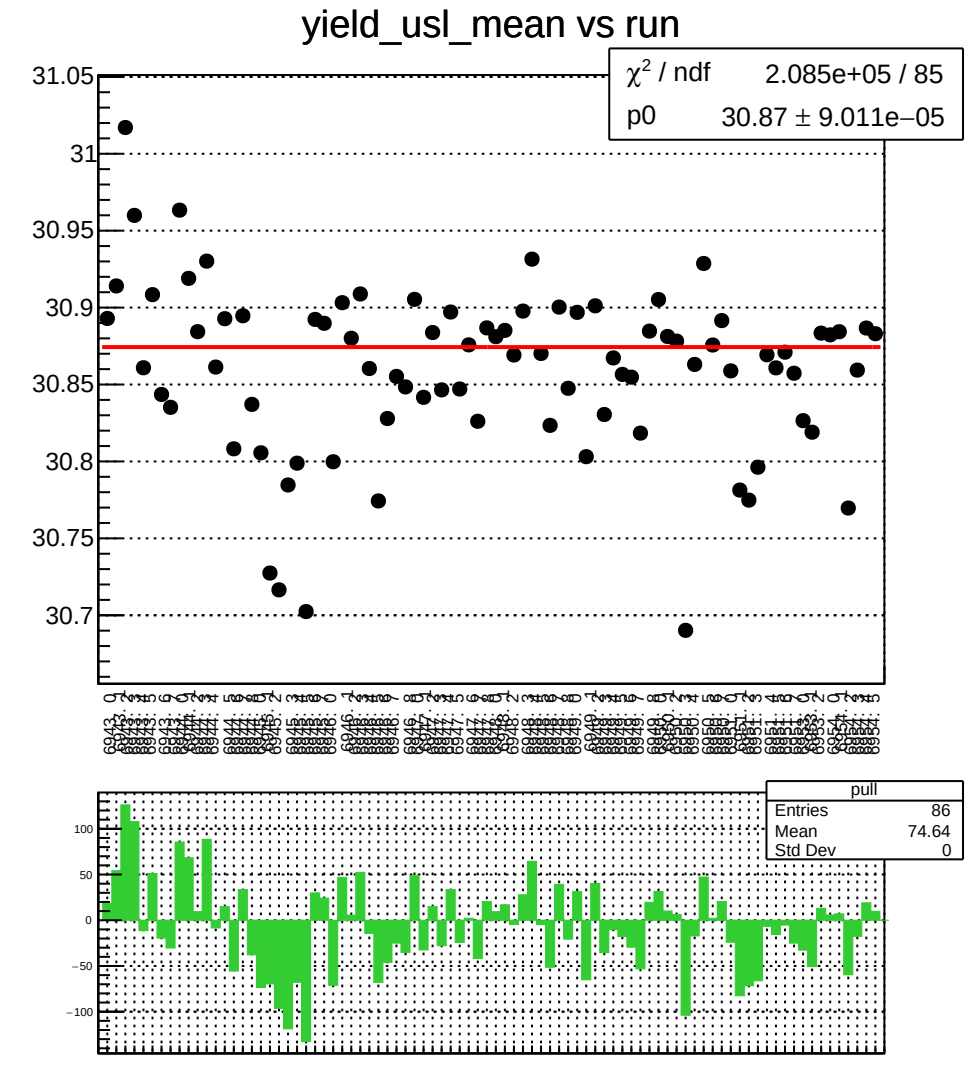

pull1D
Entries 86
Mean 0.003536
Std Dev 0.9979

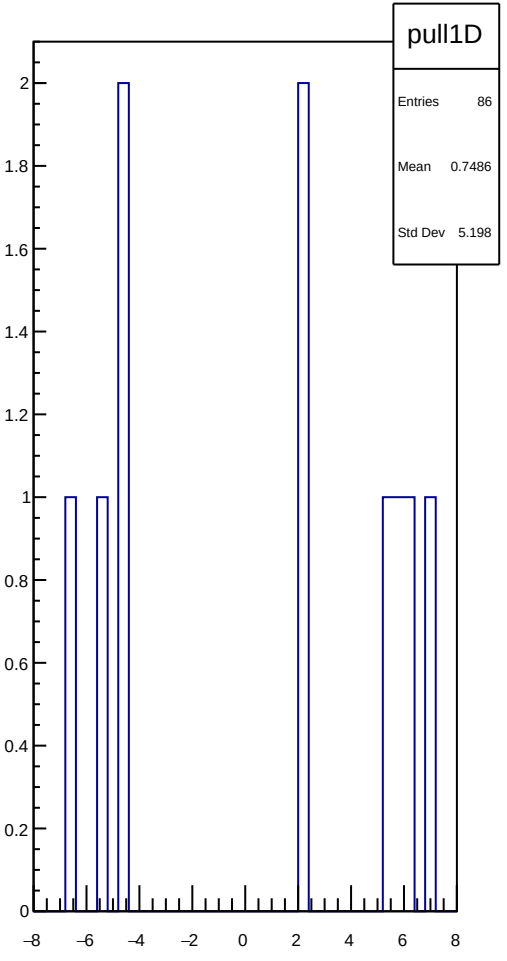

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.848e+04 / 85
p0 51.05 ± 0.0409
90
80
70
60
50
40
30

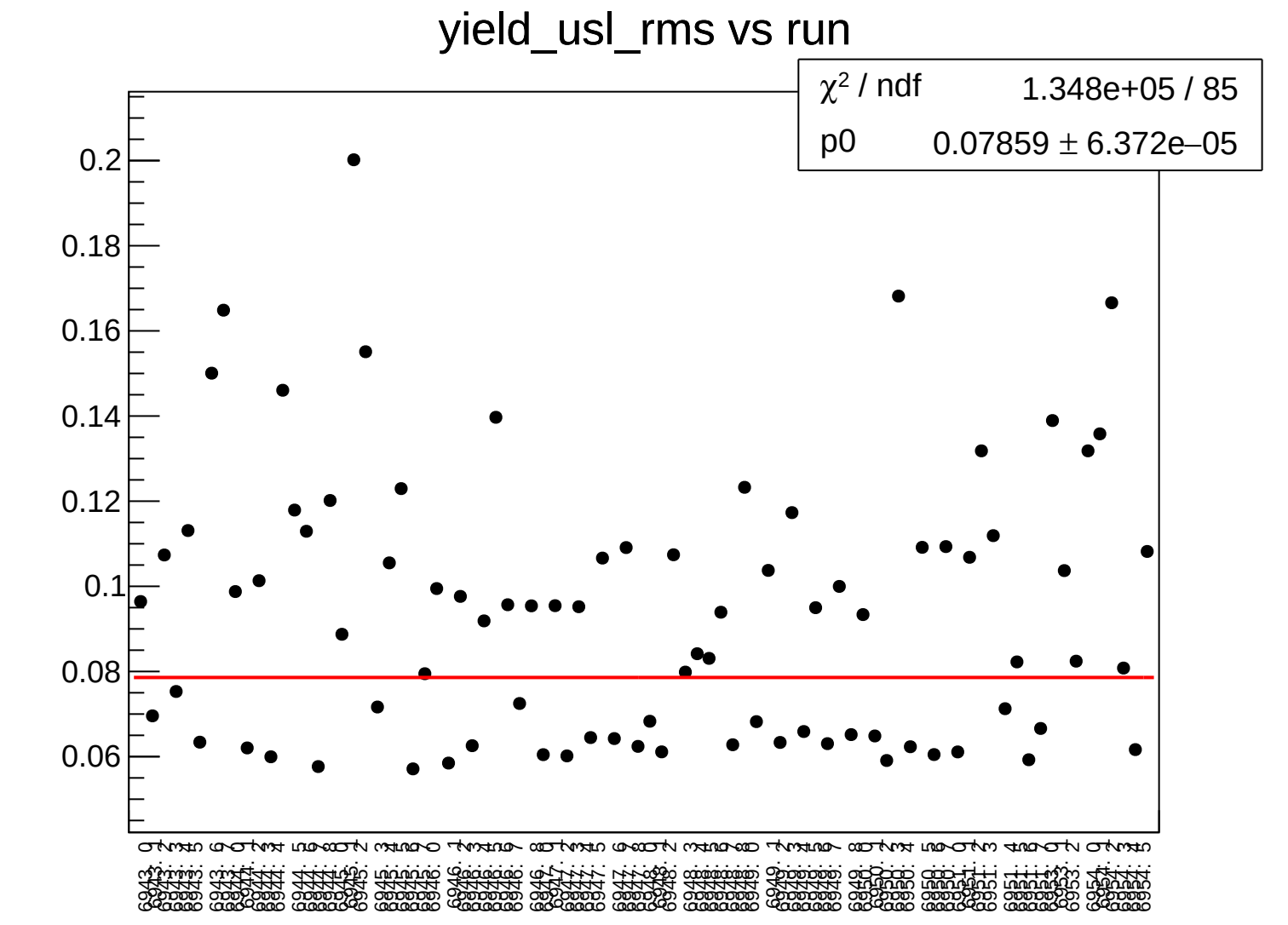

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 114.4 / 85
p0 3.268e−15 ± 1.783e−14
pull
Entries 86
Mean 74.31
Std Dev 37.53

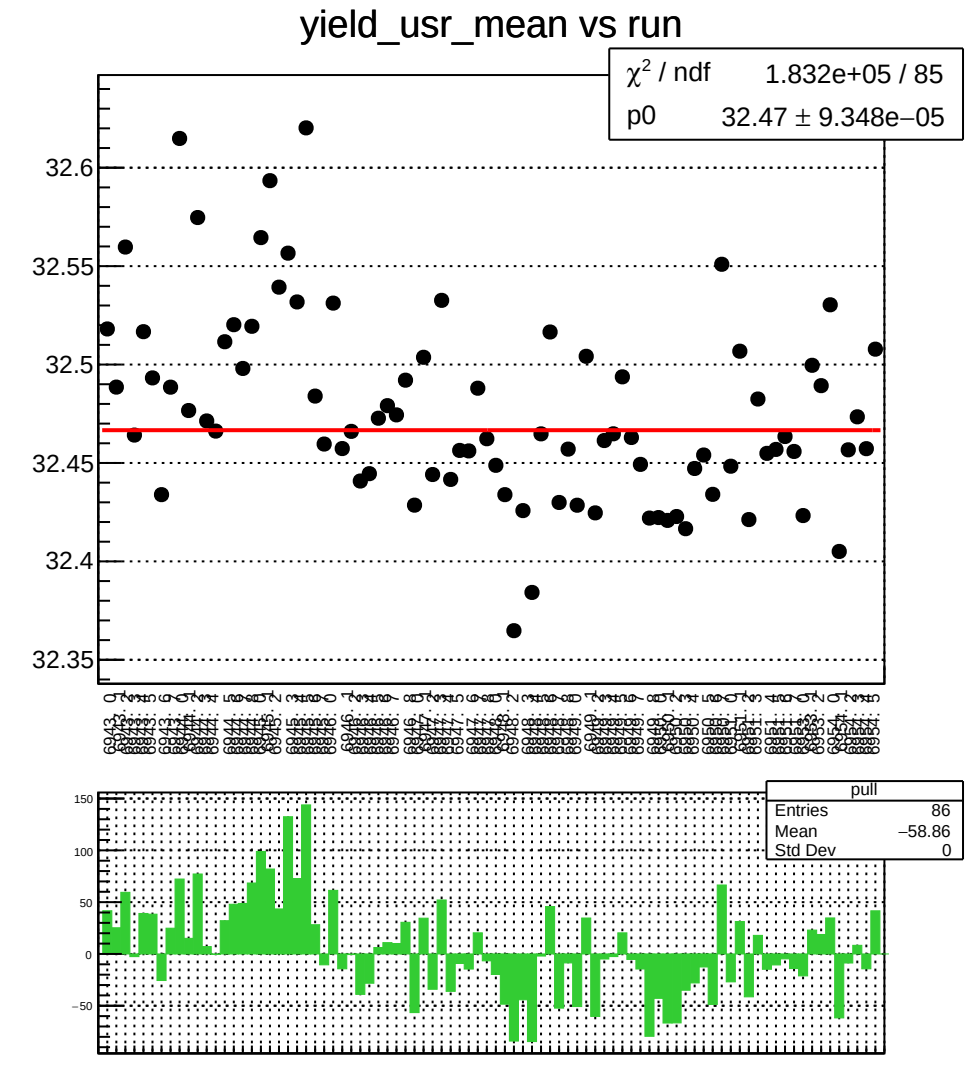

pull1D
Entries 86
Mean 0.04551
Std Dev 1.153

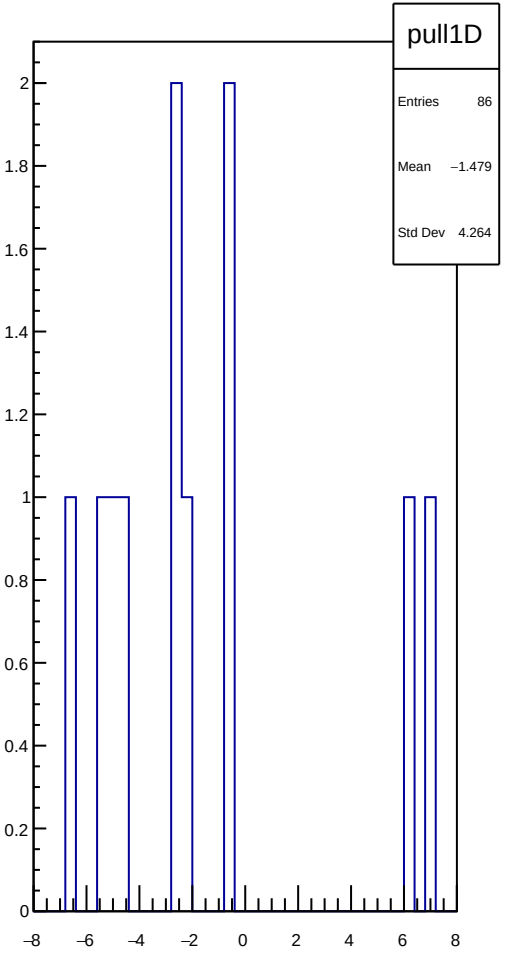

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.428e+05 / 85
p0 1.205e−11 ± 1.261e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

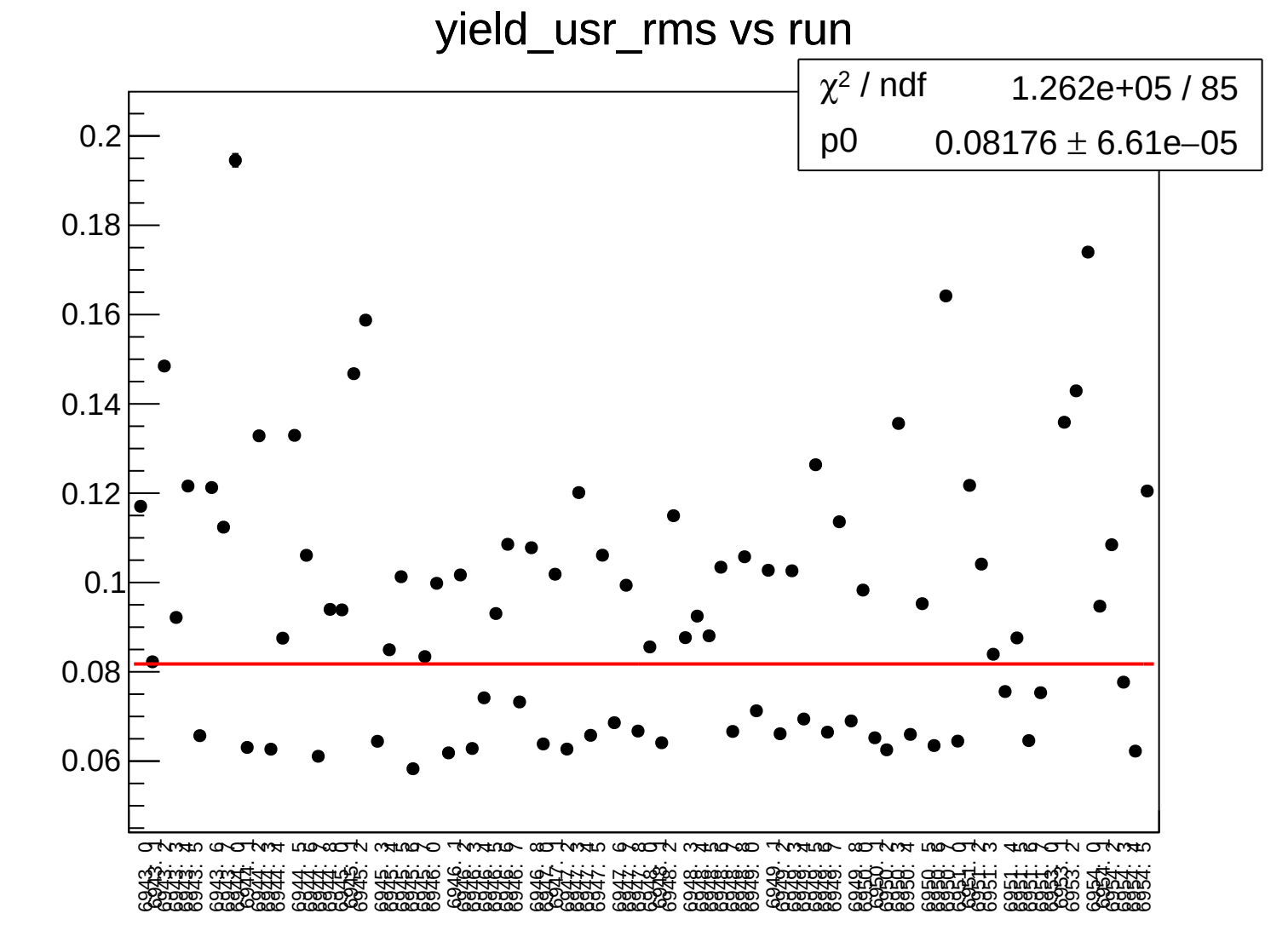

yield_usl_mean vs run
χ² / ndf 2.085e+05 / 85
p0 30.87 ± 9.011e−05
31.05
31
30.95
30.9
30.85
30.8
30.75
30.7
pull
Entries 86
Mean 74.64
Std Dev 0
100
50
0
−50
−100

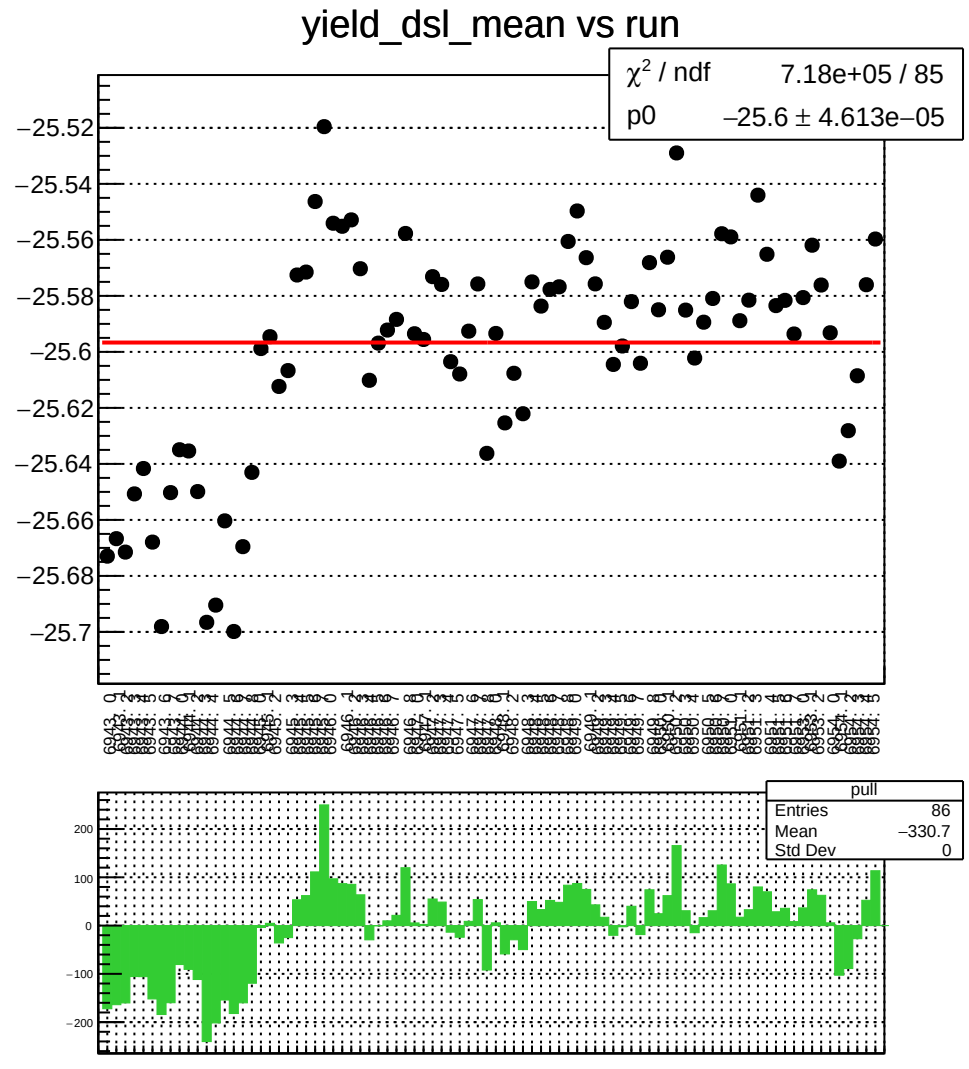

pull1D
Entries 86
Mean 0.7486
Std Dev 5.198
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

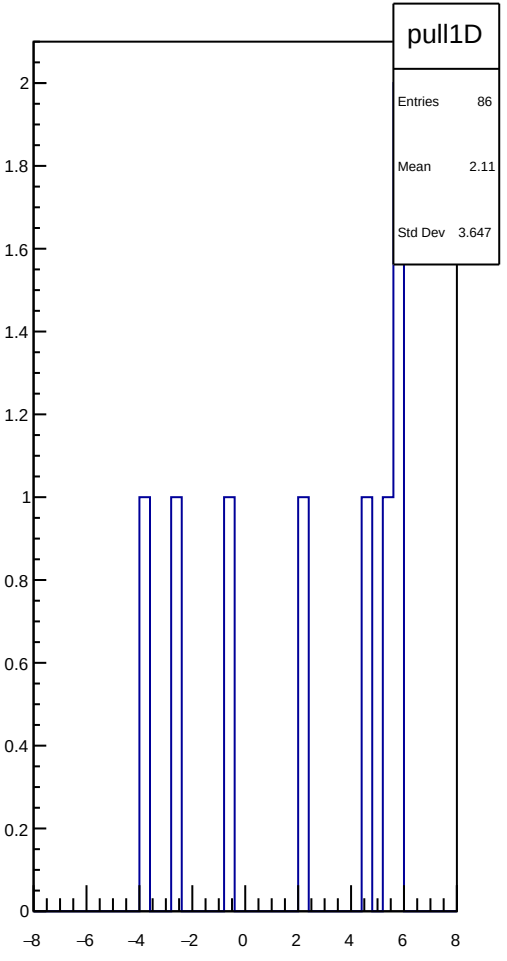

yield_usl_rms vs run
χ² / ndf 1.348e+05 / 85
p0 0.07859 ± 6.372e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

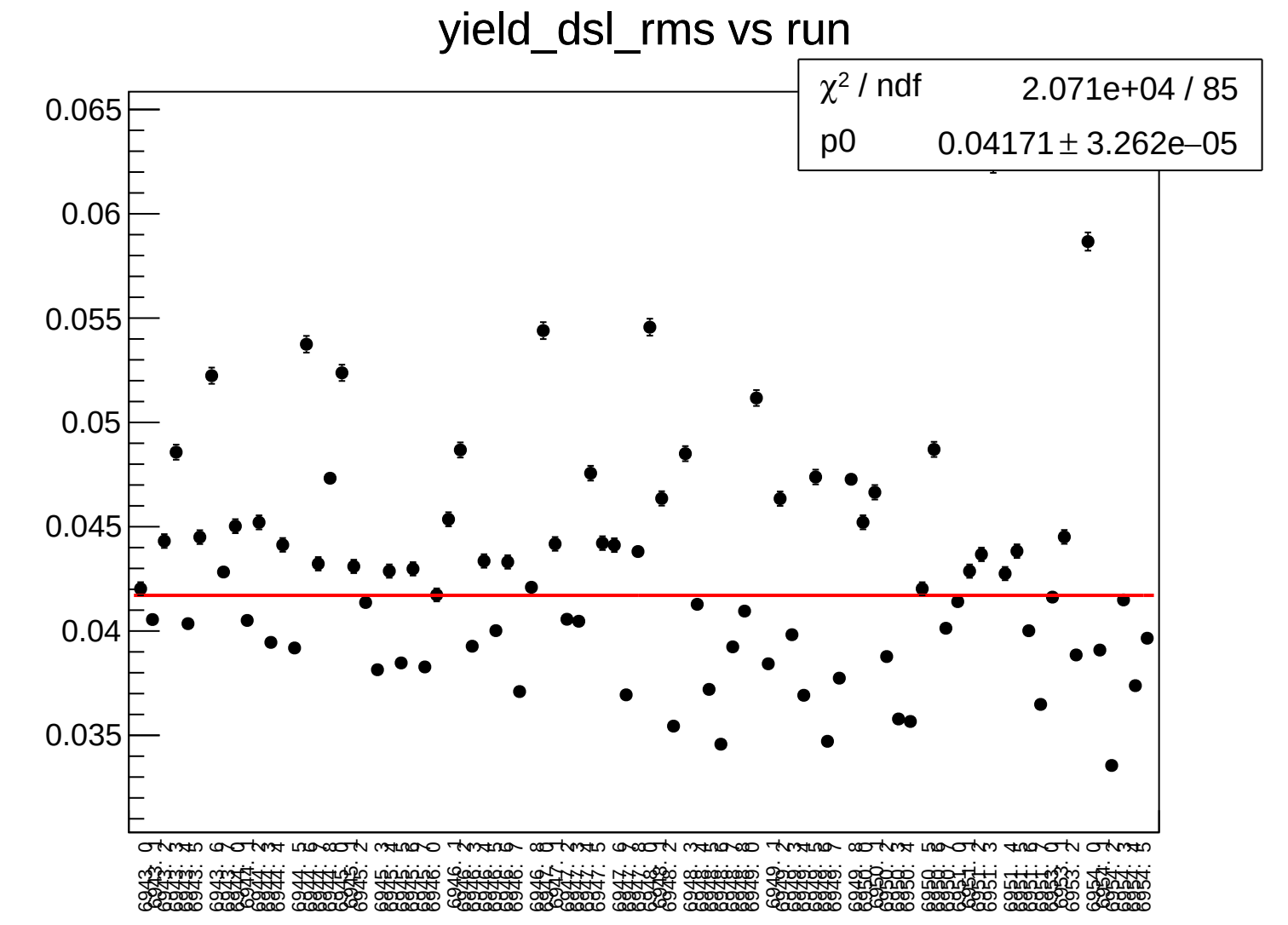

yield_usr_mean vs run
χ² / ndf 1.832e+05 / 85
p0 32.47 ± 9.348e−05
32.6
32.55
32.5
32.45
32.4
32.35
pull
Entries 86
Mean −58.86
Std Dev 0
150
100
50
0
−50

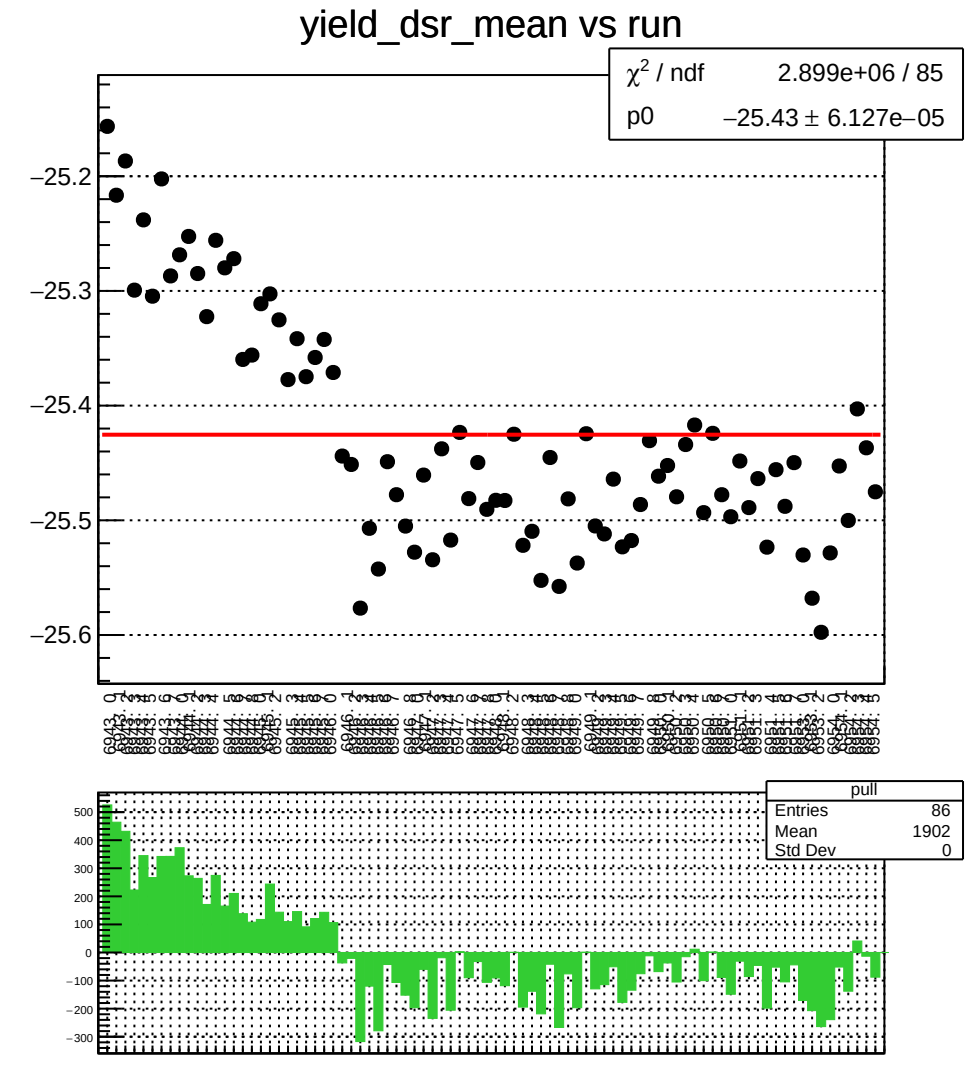

pull1D
Entries 86
Mean −1.479
Std Dev 4.264
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

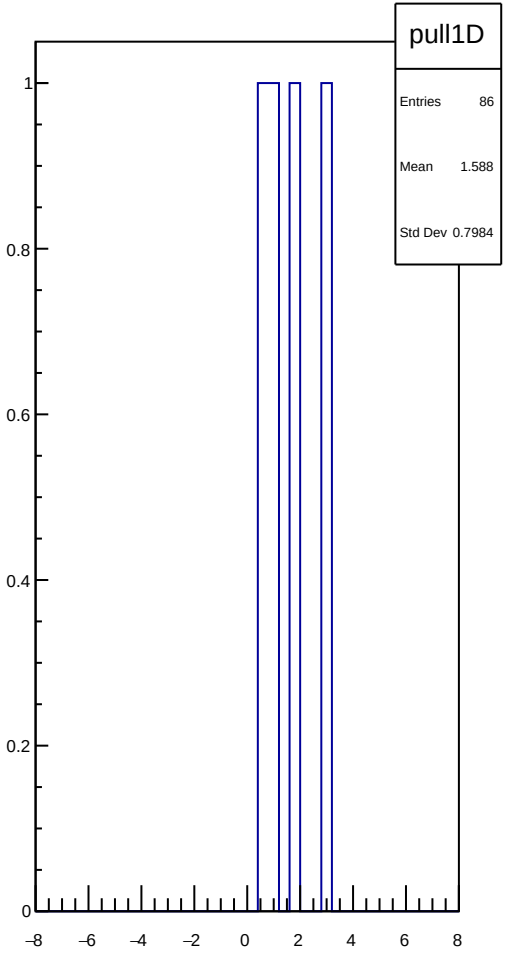

yield_usr_rms vs run
χ² / ndf 1.262e+05 / 85
p0 0.08176 ± 6.61e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

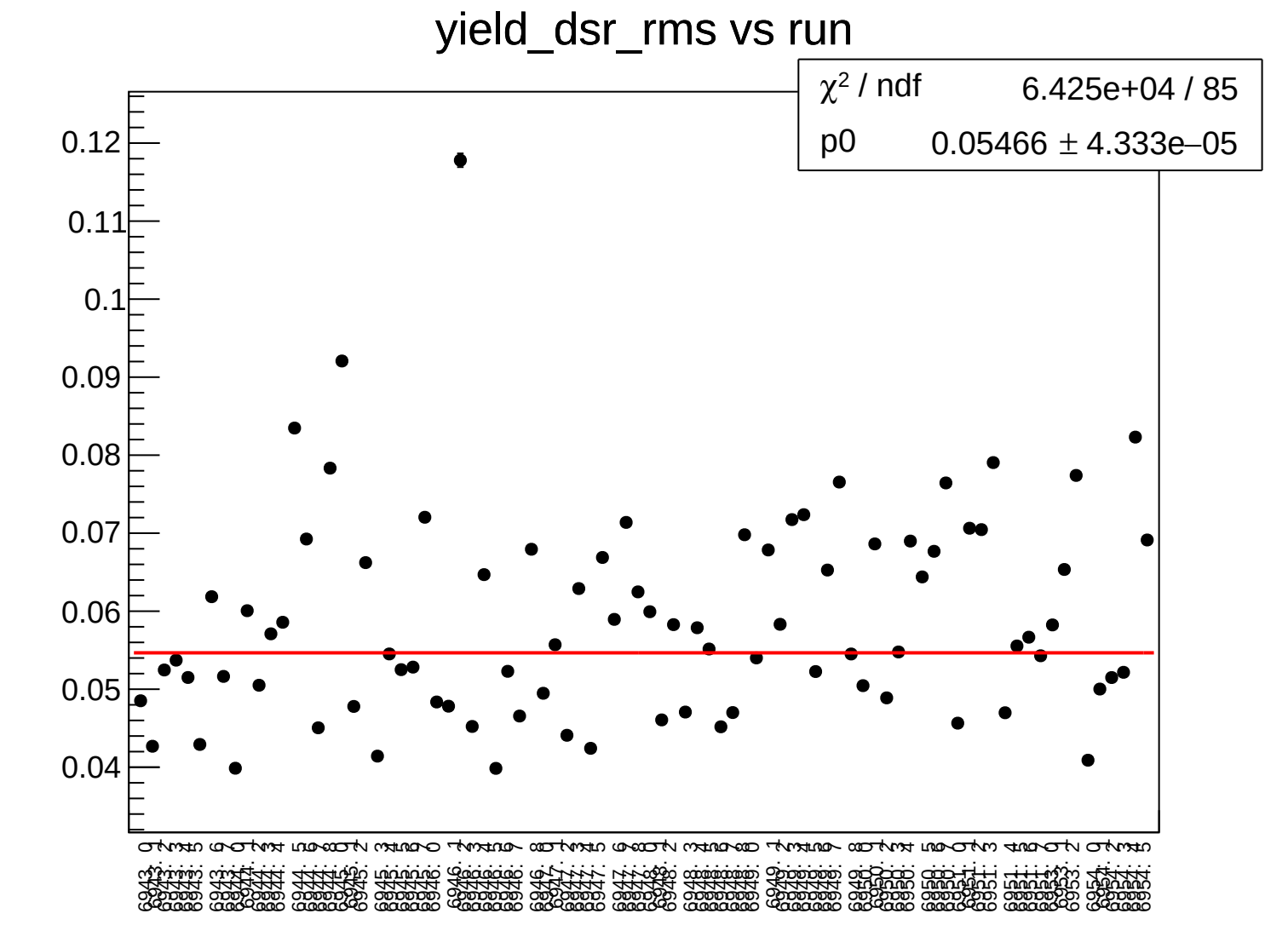

yield_dsl_mean vs run
χ² / ndf 7.18e+05 / 85
p0 −25.6 ± 4.613e−05
−25.52
−25.54
−25.56
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
−25.7
pull
Entries 86
Mean −330.7
Std Dev 0
200
100
0
−100
−200

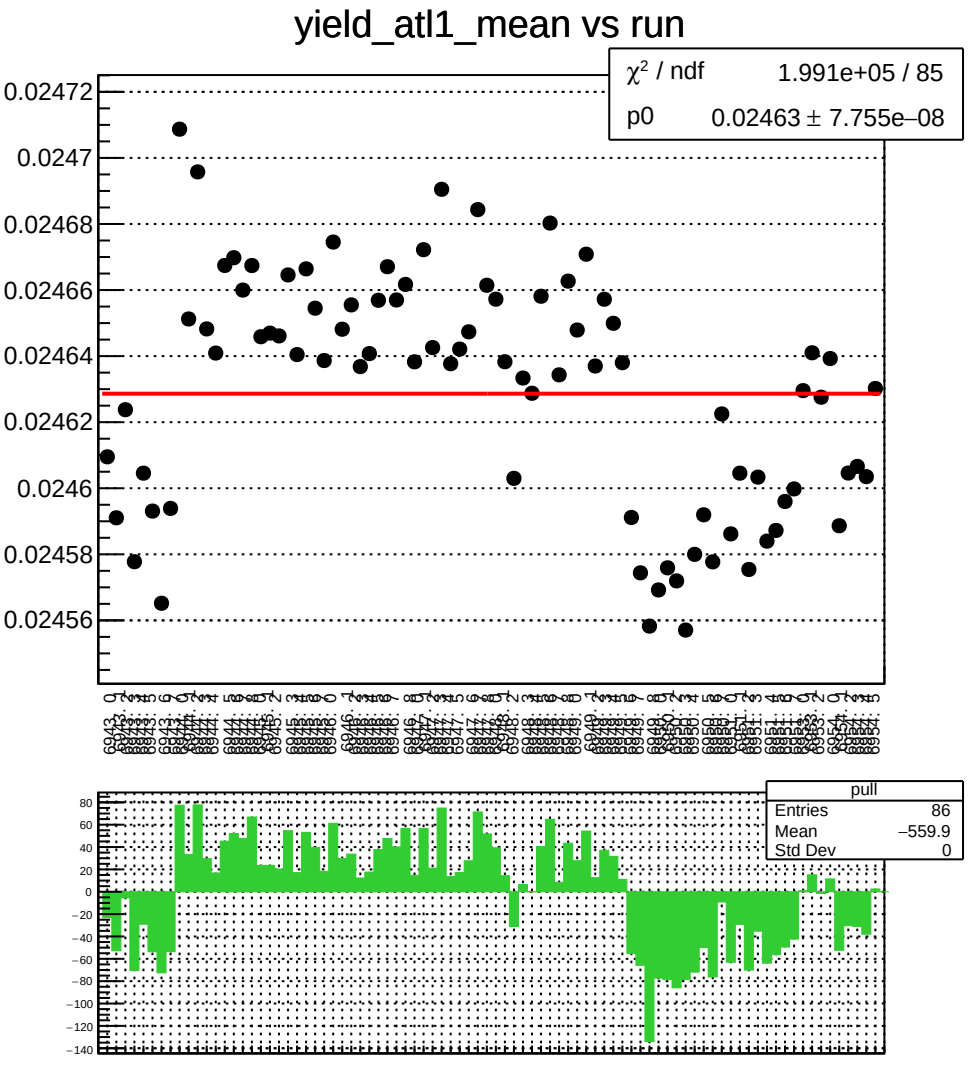

pull1D
Entries 86
Mean 2.11
Std Dev 3.647
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

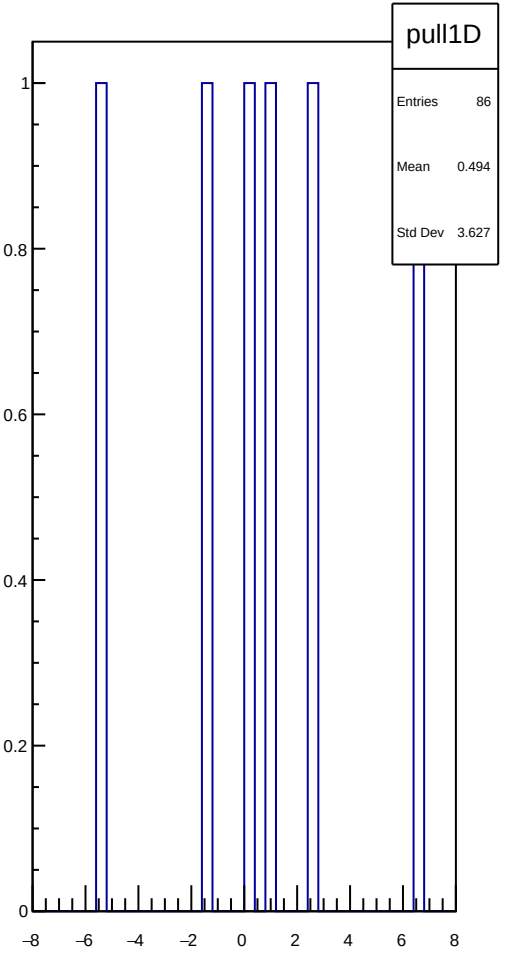

yield_dsl_rms vs run
χ² / ndf 2.071e+04 / 85
p0 0.04171 ± 3.262e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035

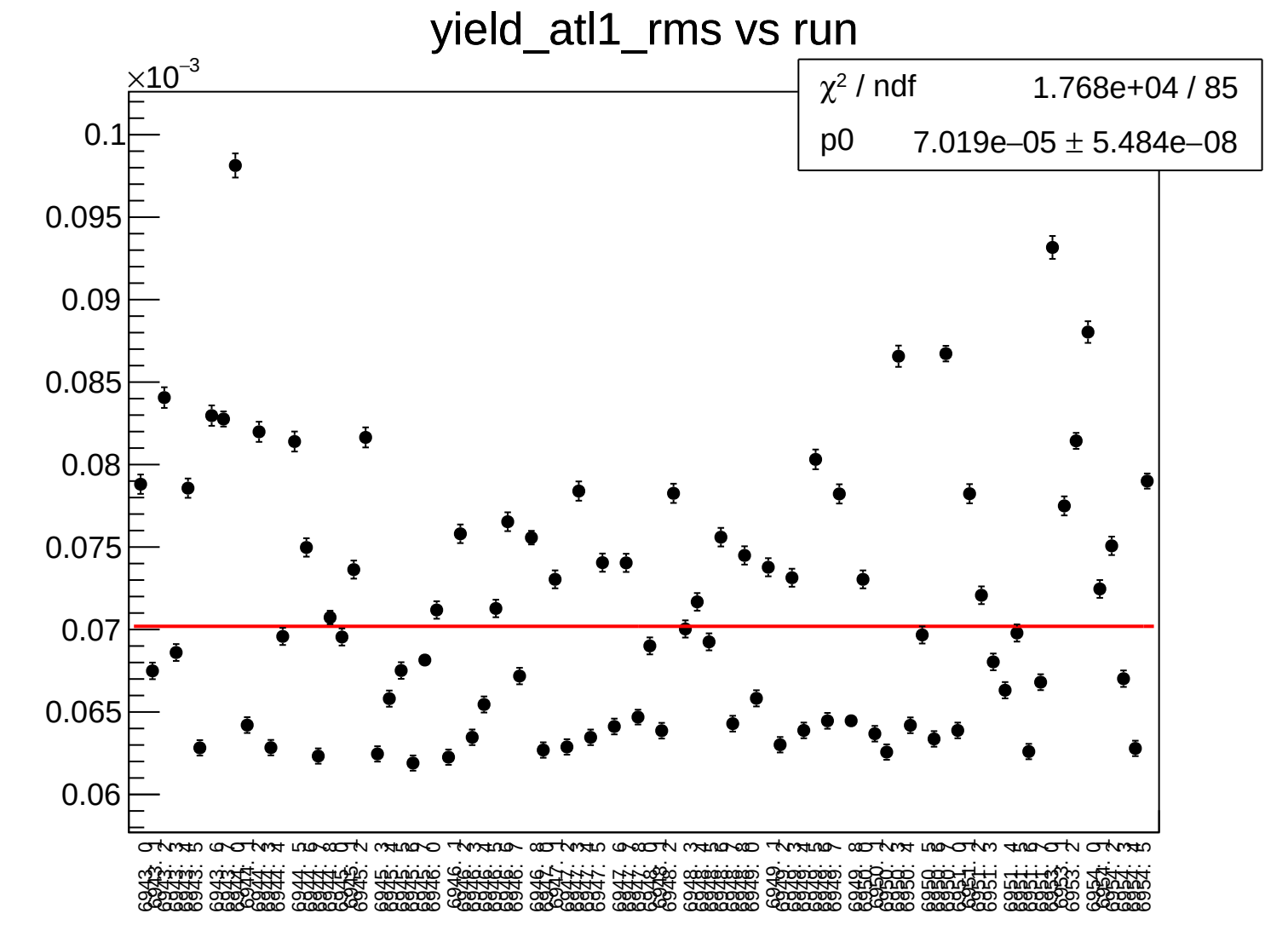

yield_dsr_mean vs run
χ² / ndf 2.899e+06 / 85
p0 −25.43 ± 6.127e−05
−25.2
−25.3
−25.4
−25.5
−25.6
pull
Entries 86
Mean 1902
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

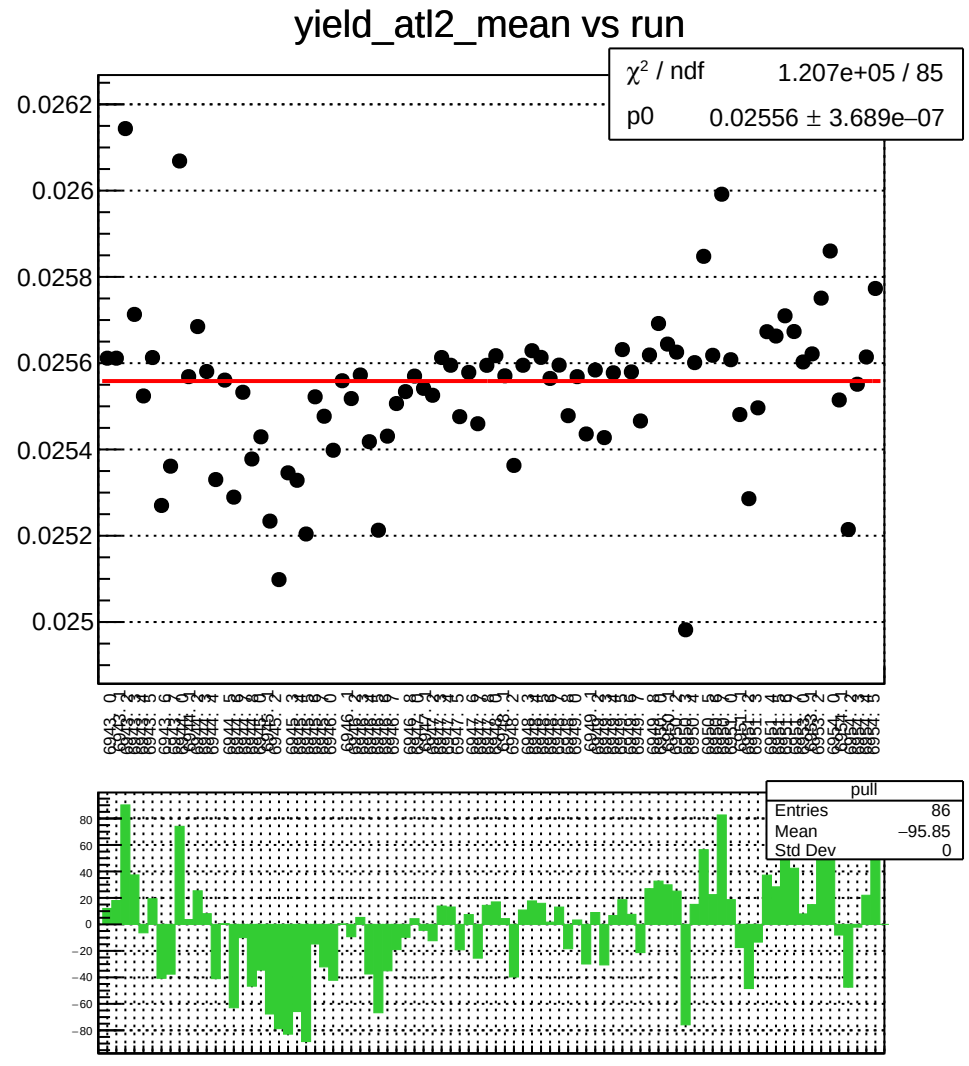

pull1D
Entries 86
Mean 1.588
Std Dev 0.7984
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

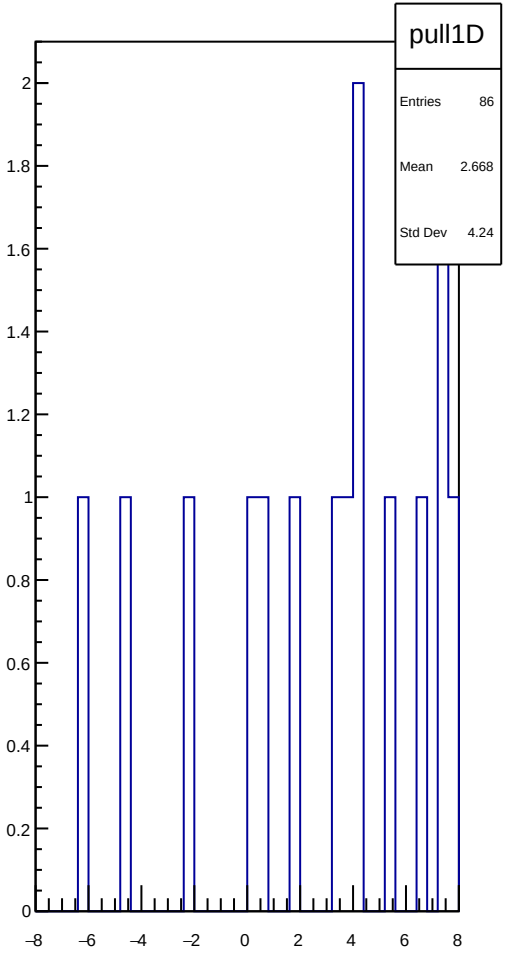

yield_dsr_rms vs run
χ² / ndf 6.425e+04 / 85
p0 0.05466 ± 4.333e−05
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

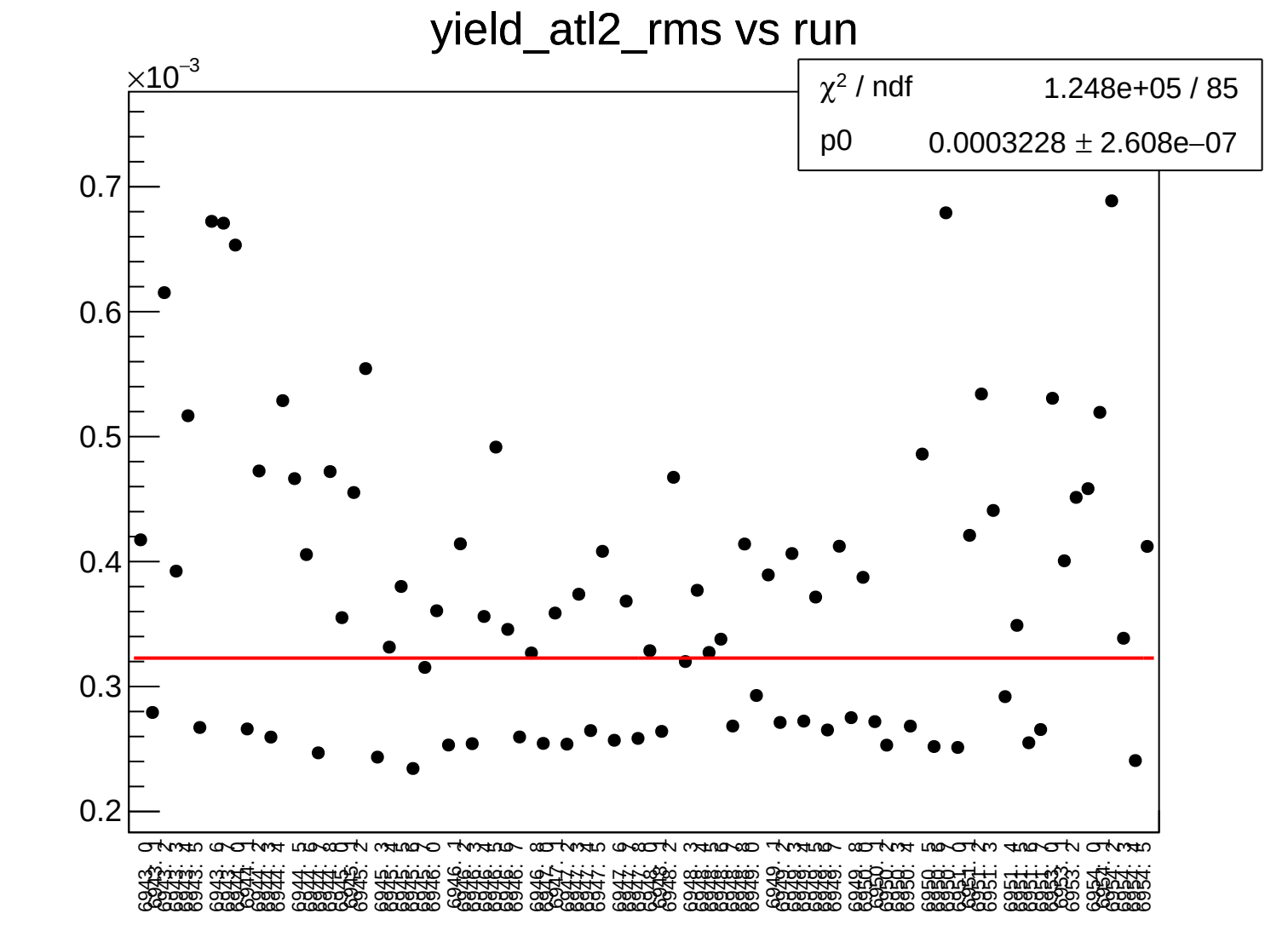

yield_atl1_mean vs run
χ² / ndf 1.991e+05 / 85
p0 0.02463 ± 7.755e−08
0.02472
0.0247
0.02468
0.02466
0.02464
0.02462
0.0246
0.02458
0.02456
pull
Entries 86
Mean −559.9
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

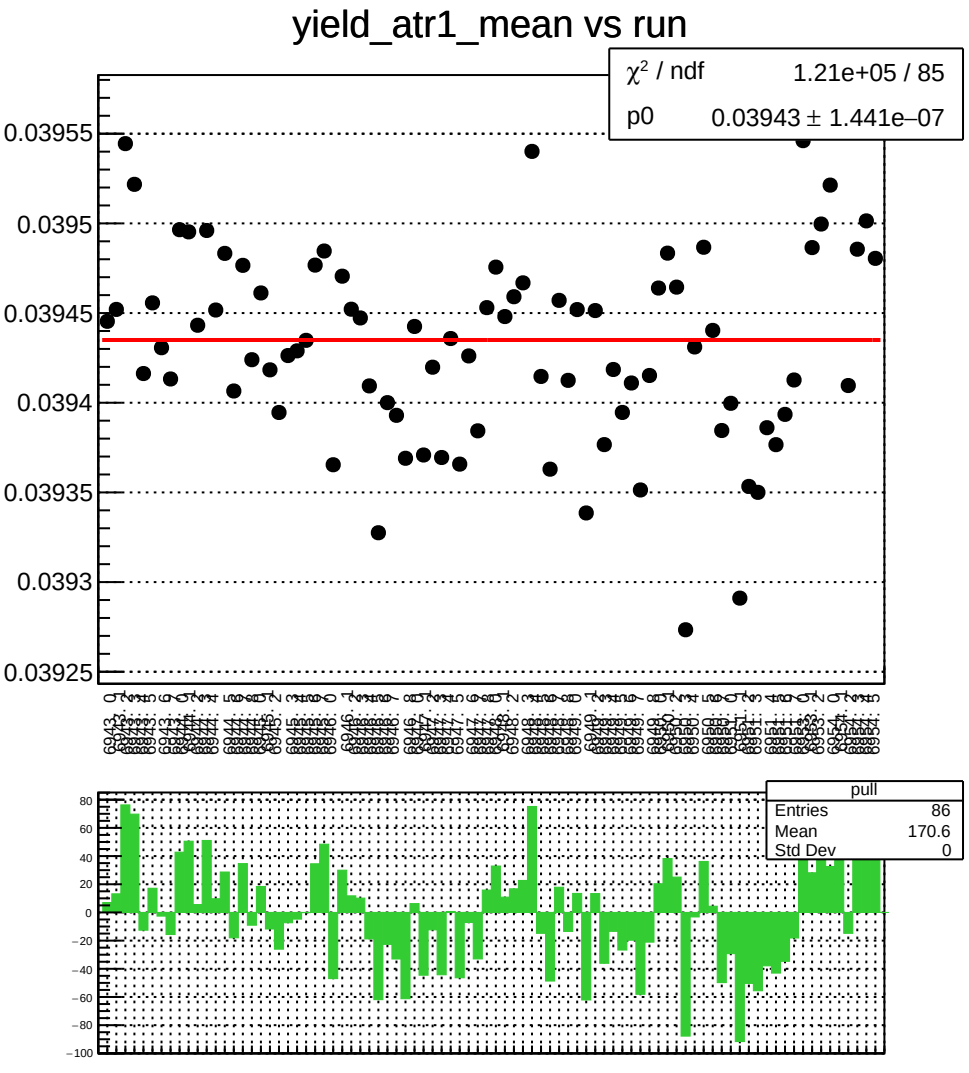

pull1D
Entries 86
Mean 0.494
Std Dev 3.627
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

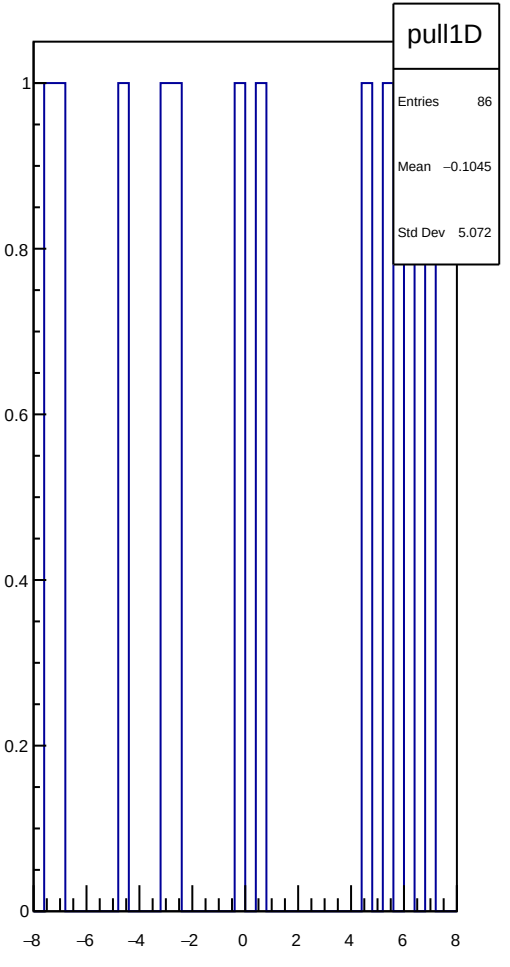

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.768e+04 / 85
p0 7.019e−05 ± 5.484e−08
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06

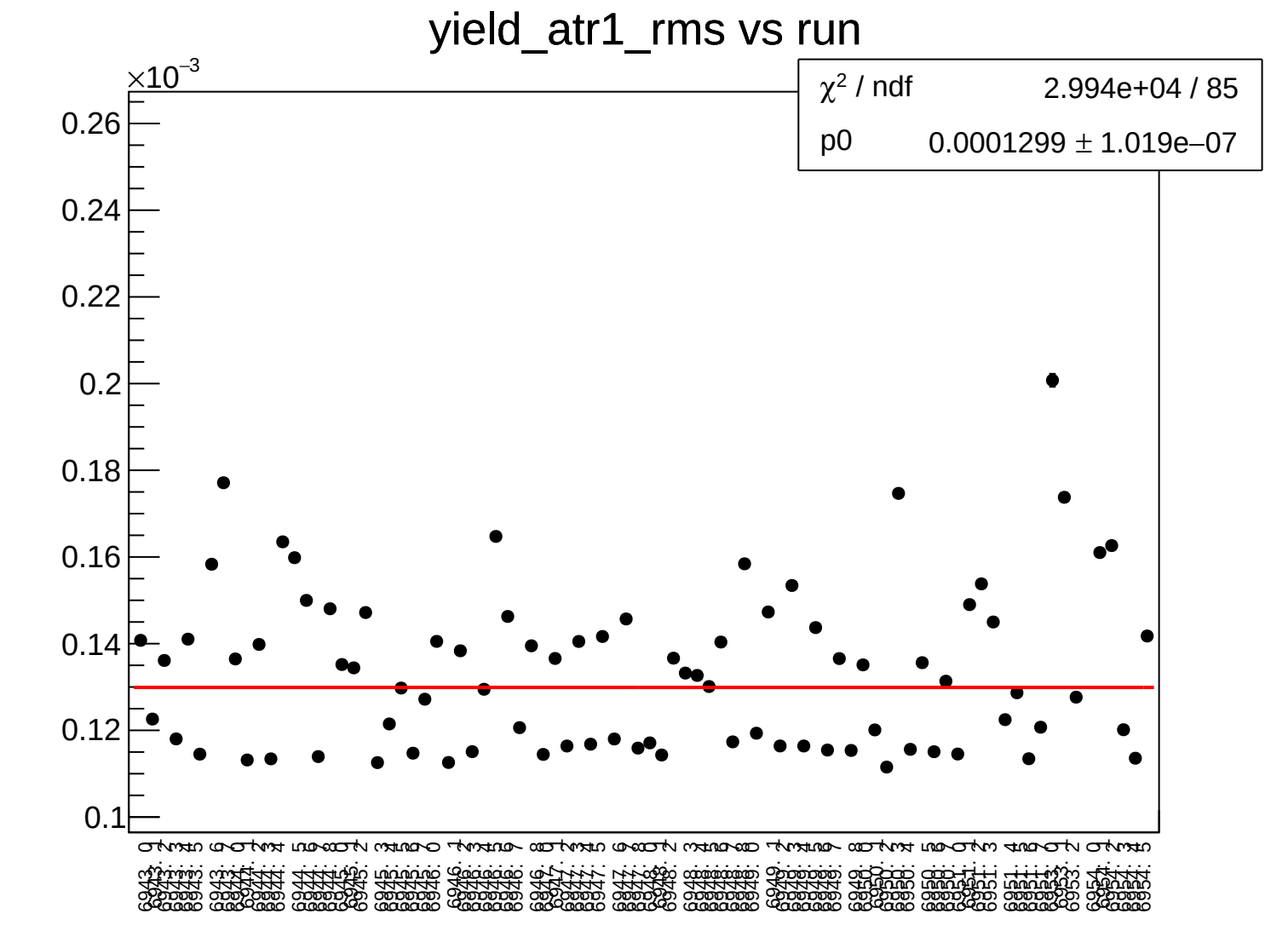

yield_atl2_mean vs run
χ² / ndf 1.207e+05 / 85
p0 0.02556 ± 3.689e–07
0.0262
0.026
0.0258
0.0256
0.0254
0.0252
0.025
pull
Entries 86
Mean –95.85
Std Dev 0
80
60
40
20
0
–20
–40
–60
–80

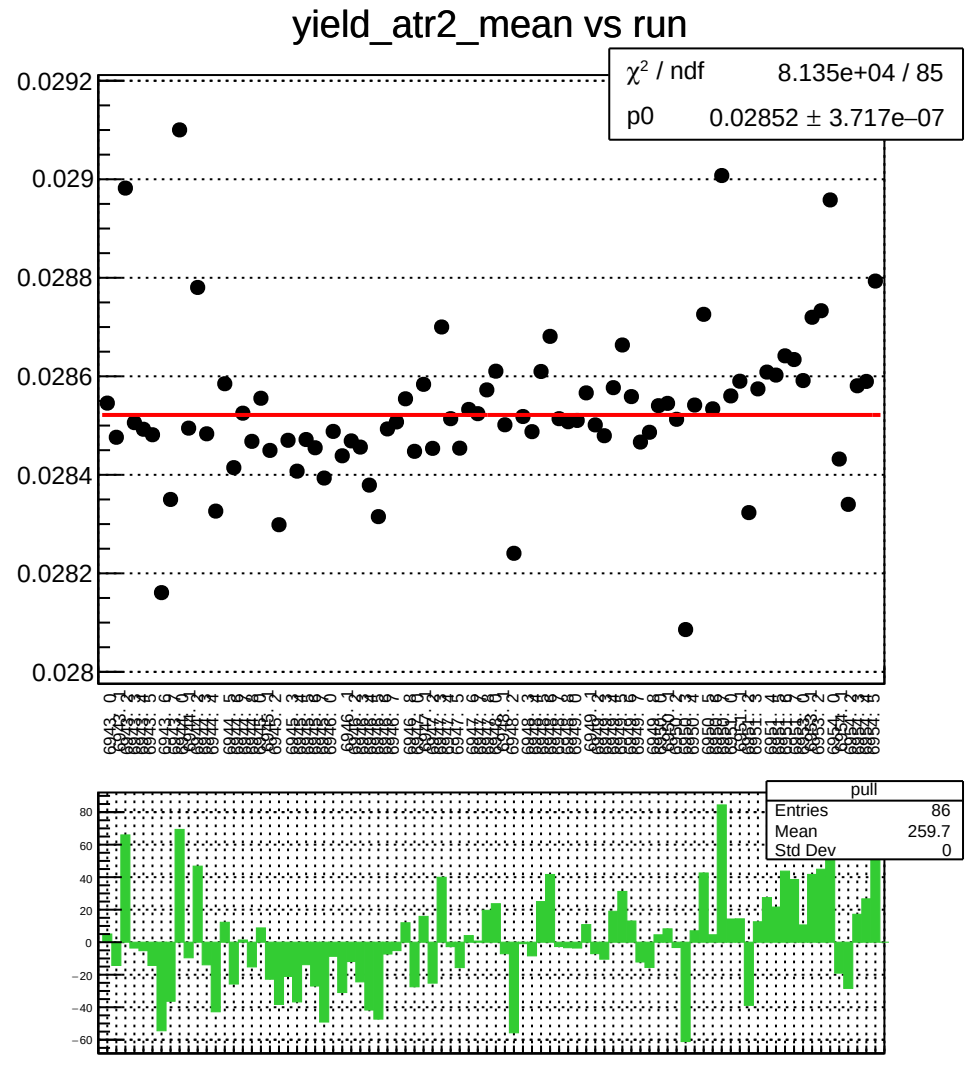

pull1D
Entries 86
Mean 2.668
Std Dev 4.24
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

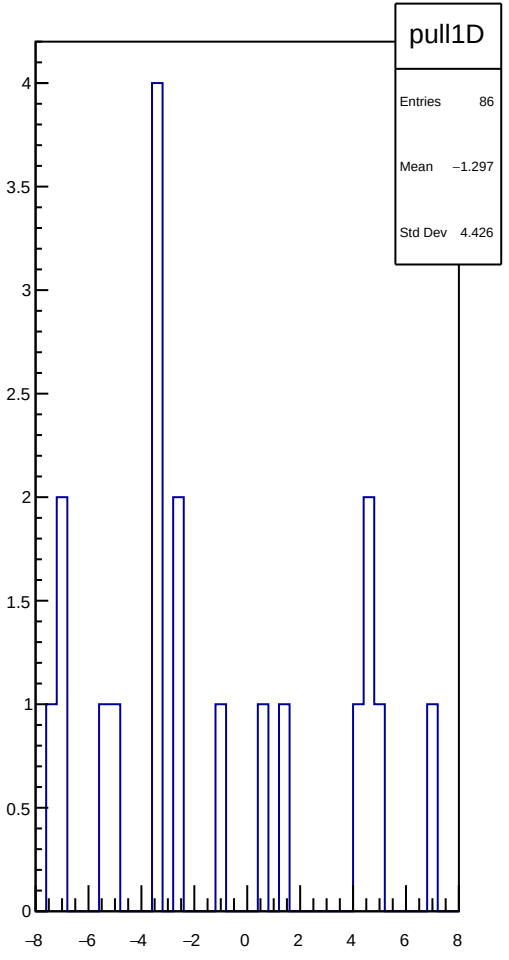

yield_atl2_rms vs run
×10⁻³
χ² / ndf 1.248e+05 / 85
p0 0.0003228 ± 2.608e−07
0.7
0.6
0.5
0.4
0.3
0.2

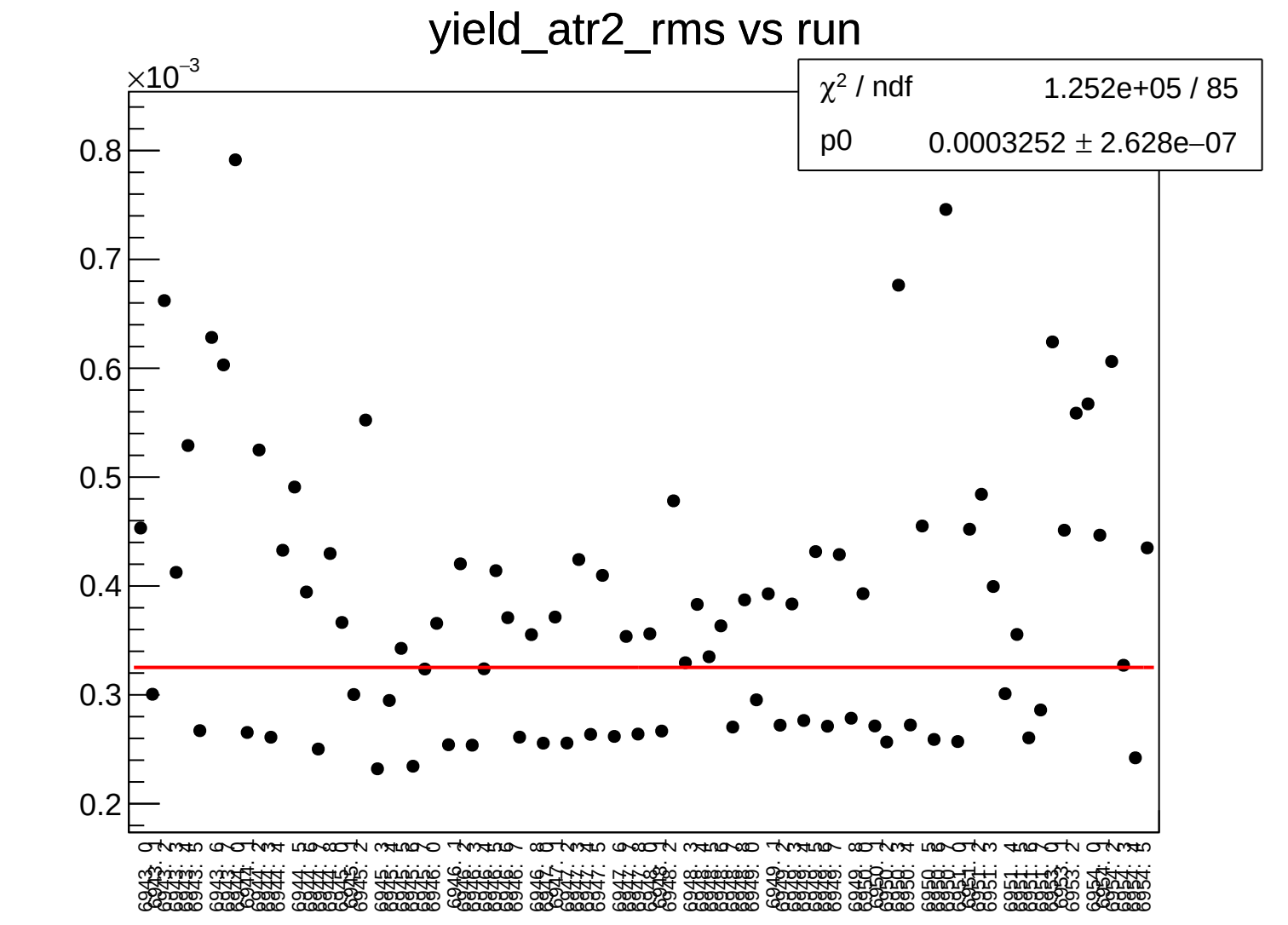

yield_atr1_mean vs run
χ² / ndf 1.21e+05 / 85
p0 0.03943 ± 1.441e−07
0.03955
0.0395
0.03945
0.0394
0.03935
0.0393
0.03925
pull
Entries 86
Mean 170.6
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

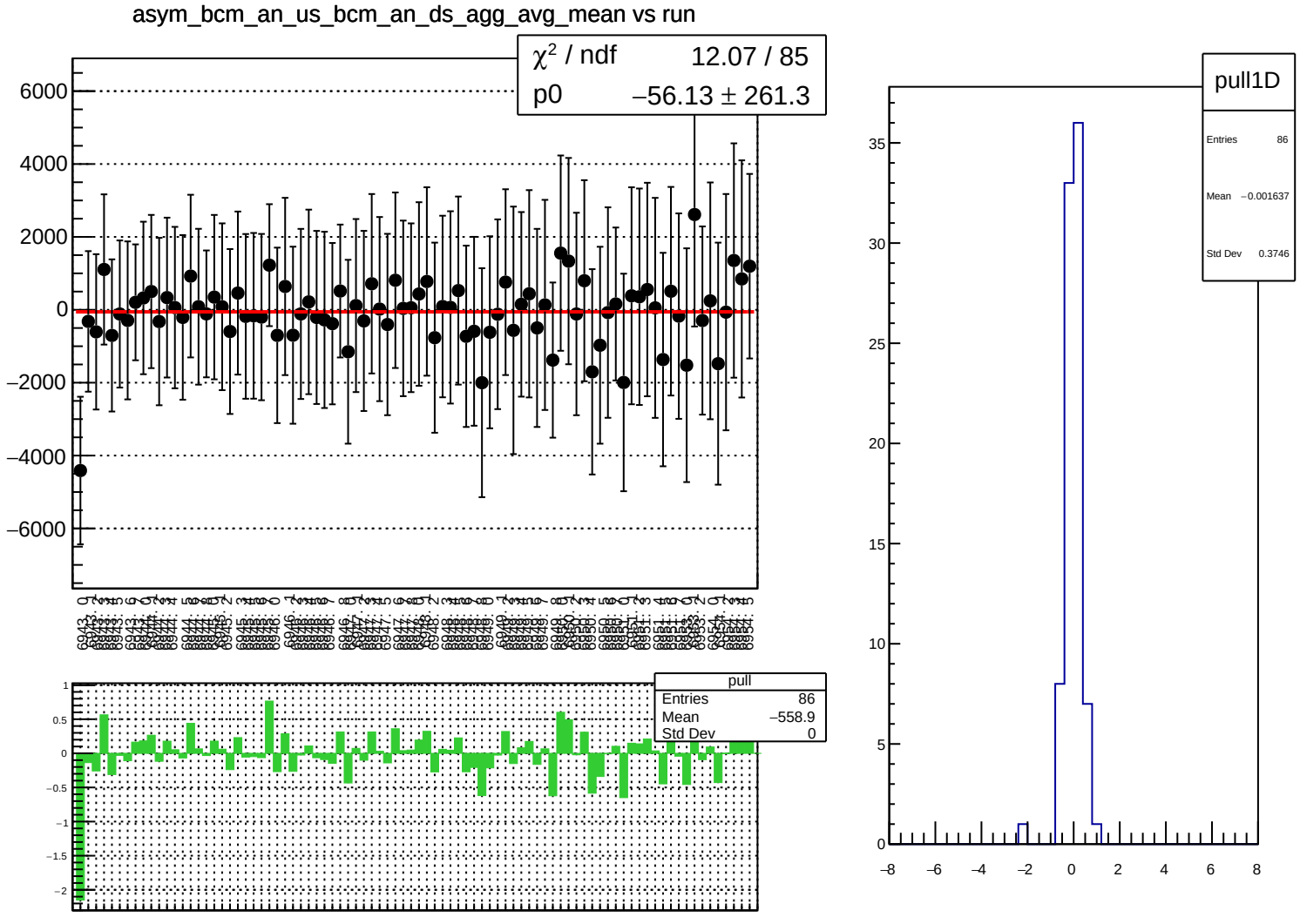

pull1D
Entries 86
Mean −0.1045
Std Dev 5.072
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

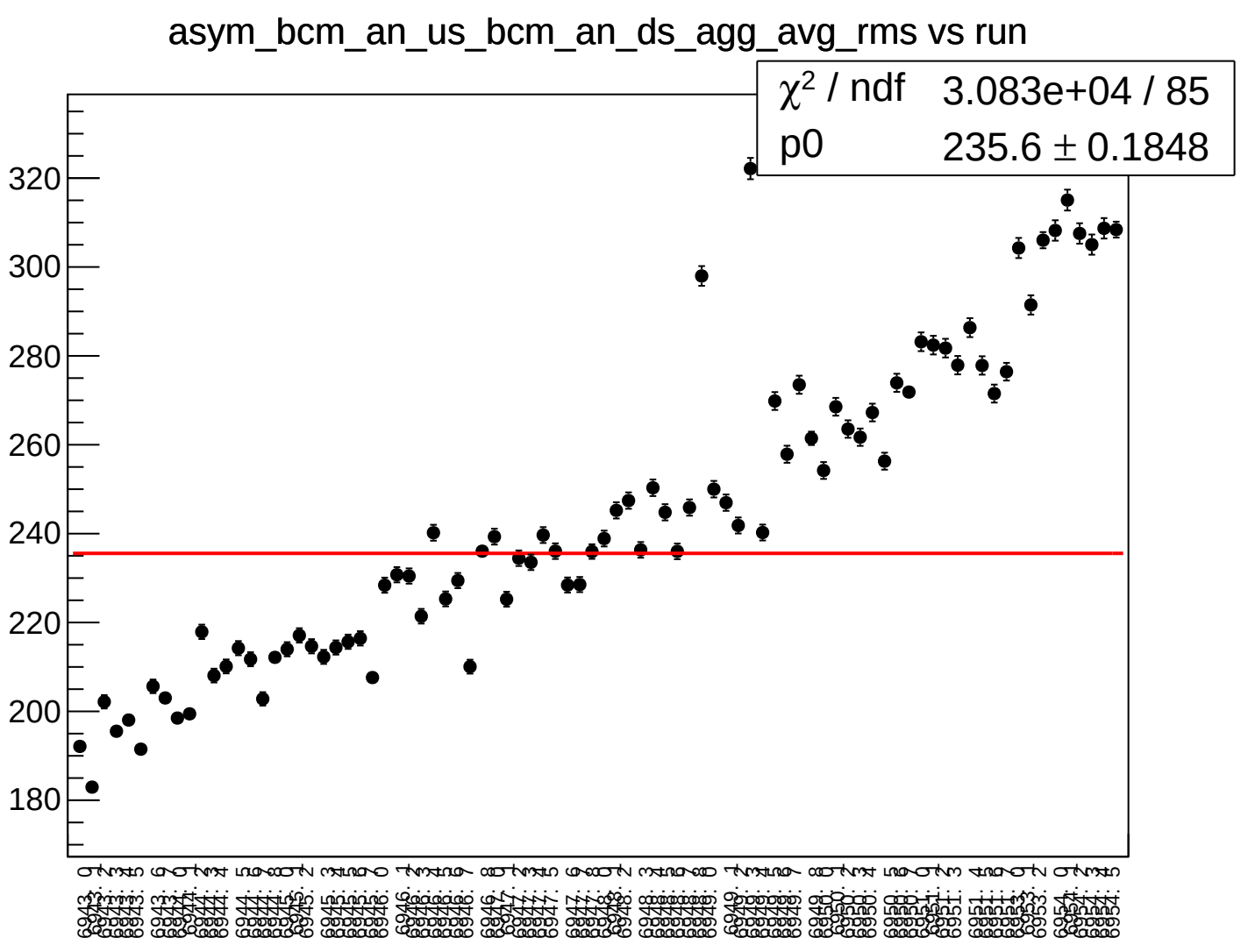

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.994e+04 / 85
p0 0.0001299 ± 1.019e−07
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1

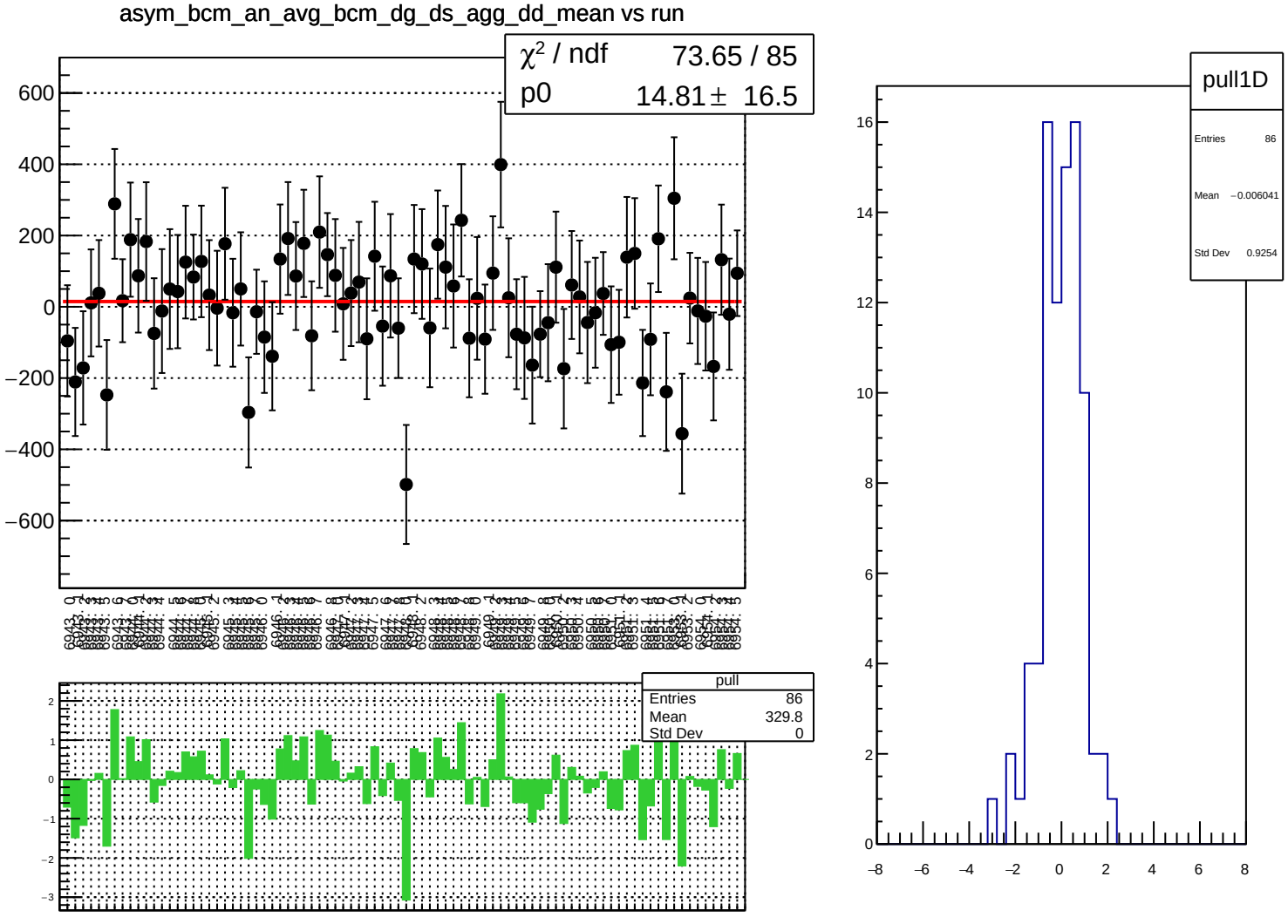

yield_atr2_mean vs run
χ² / ndf 8.135e+04 / 85
p0 0.02852 ± 3.717e−07
0.0292
0.029
0.0288
0.0286
0.0284
0.0282
0.028
pull
Entries 86
Mean 259.7
Std Dev 0
80
60
40
20
0
−20
−40
−60

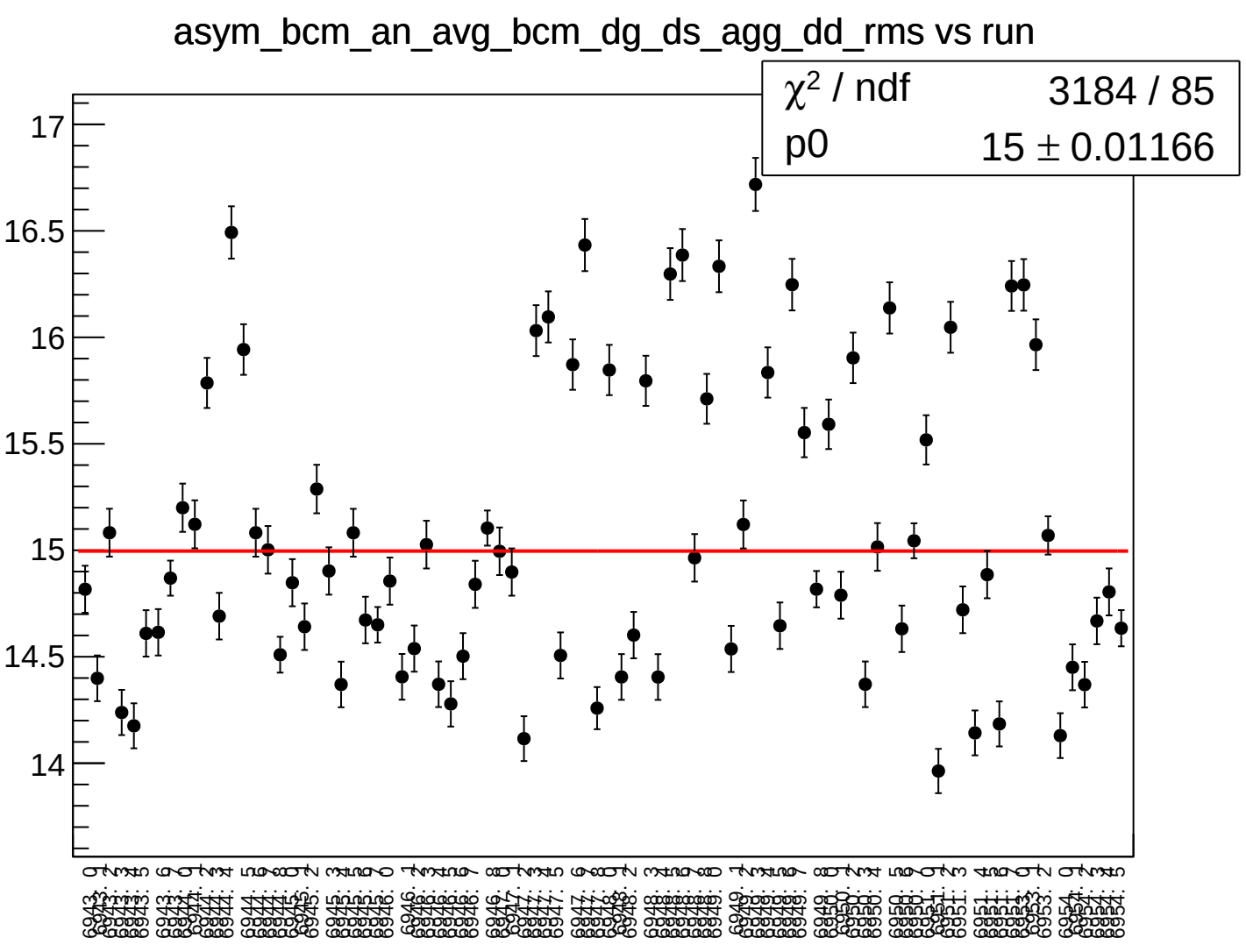

pull1D
Entries 86
Mean −1.297
Std Dev 4.426
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

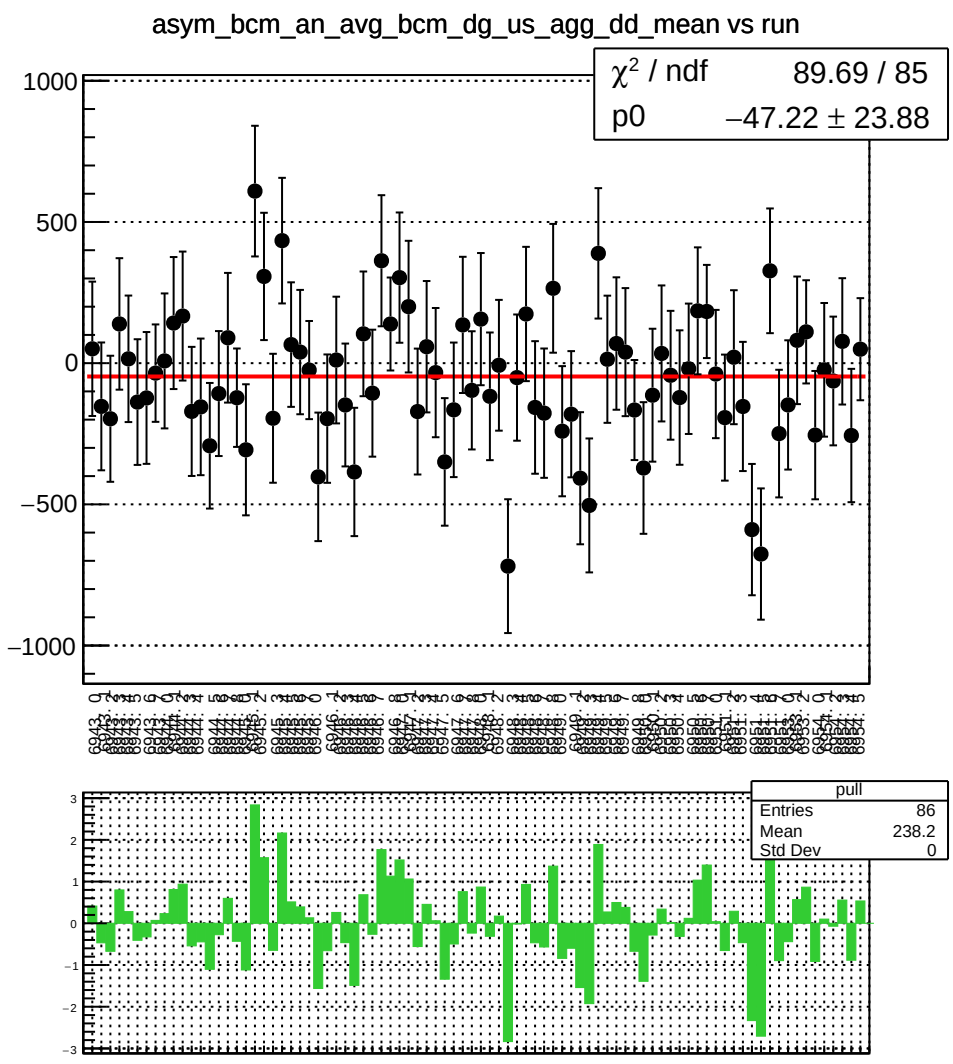

yield_atr2_rms vs run
×10⁻³
χ² / ndf 1.252e+05 / 85
p0 0.0003252 ± 2.628e−07
0.8
0.7
0.6
0.5
0.4
0.3
0.2

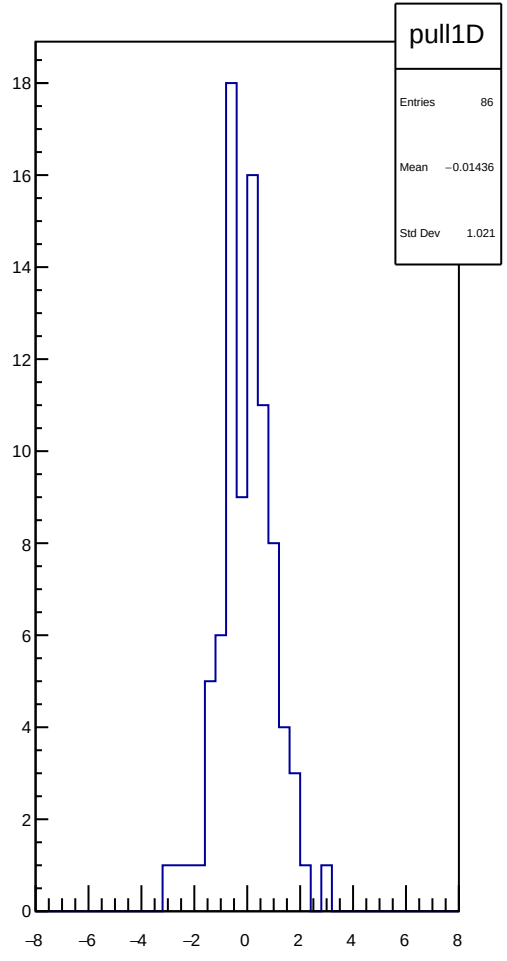

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.07 / 85
p0 −56.13 ± 261.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −558.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.001637
Std Dev 0.3746
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

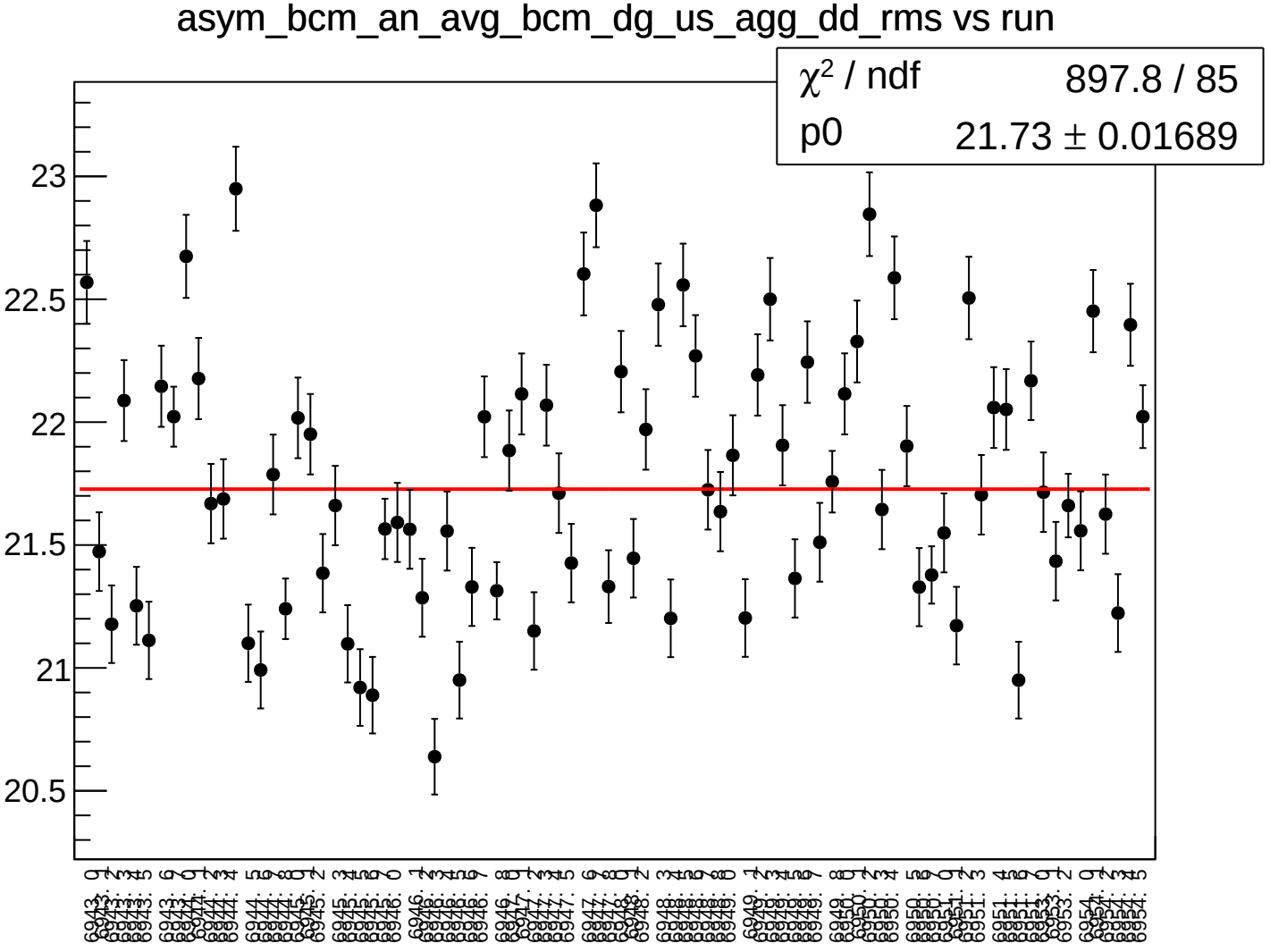

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.083e+04 / 85
p0 235.6 ± 0.1848
320
300
280
260
240
220
200
180

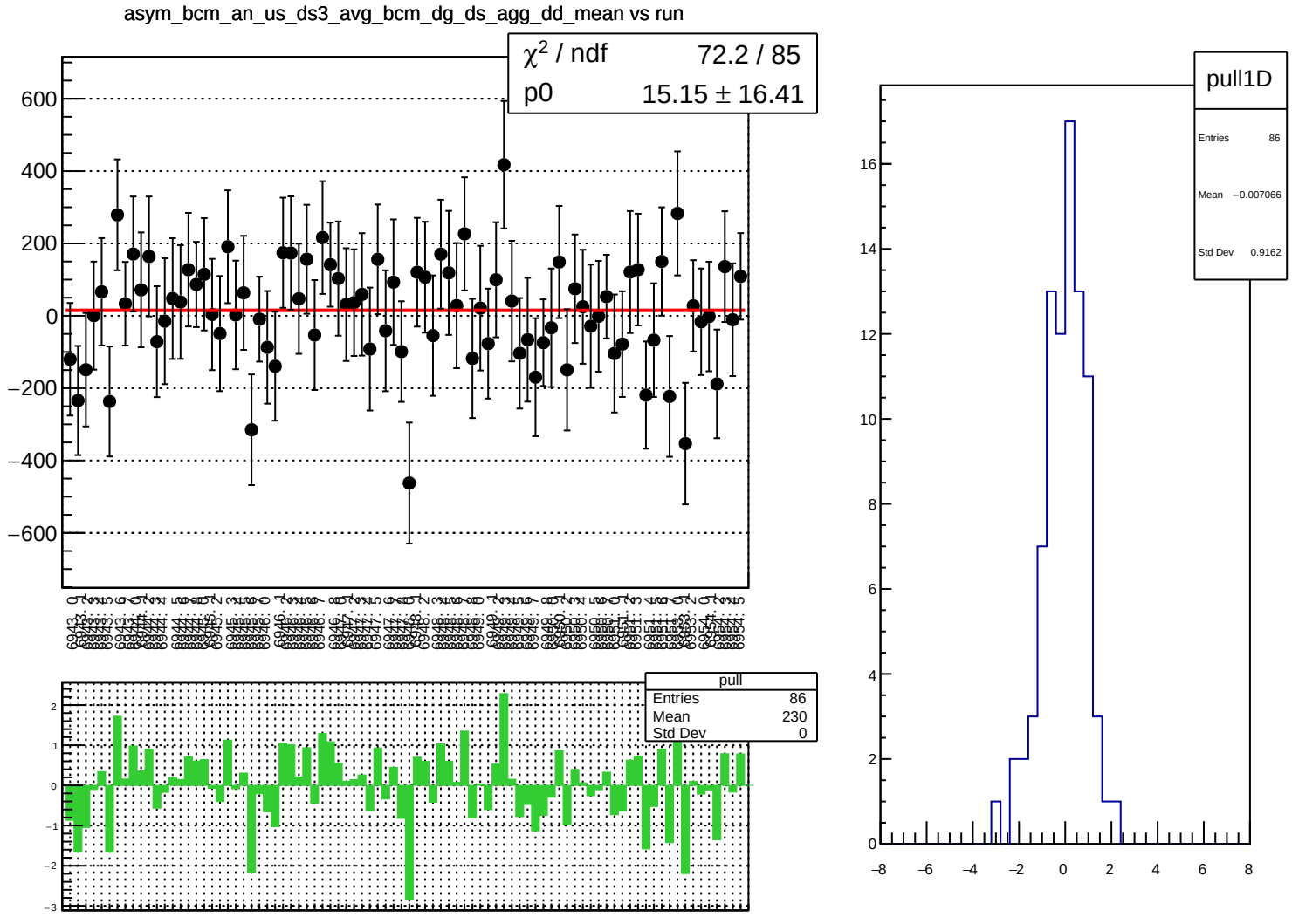

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 73.65 / 85
p0 14.81 ± 16.5
pull
Entries 86
Mean 329.8
Std Dev 0
pull1D
Entries 86
Mean −0.006041
Std Dev 0.9254

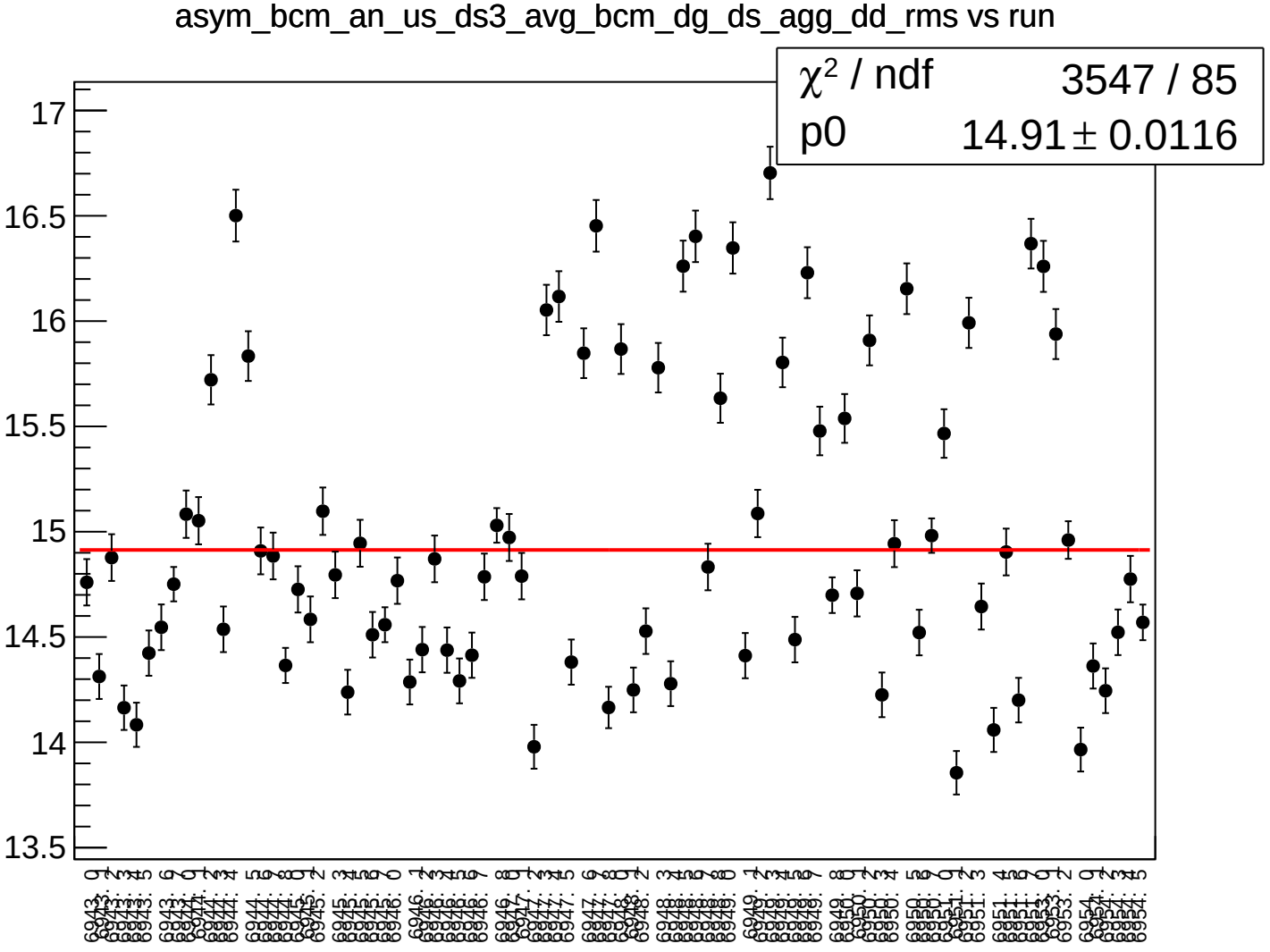

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3184 / 85
p0 15 ± 0.01166
17
16.5
16
15.5
15
14.5
14

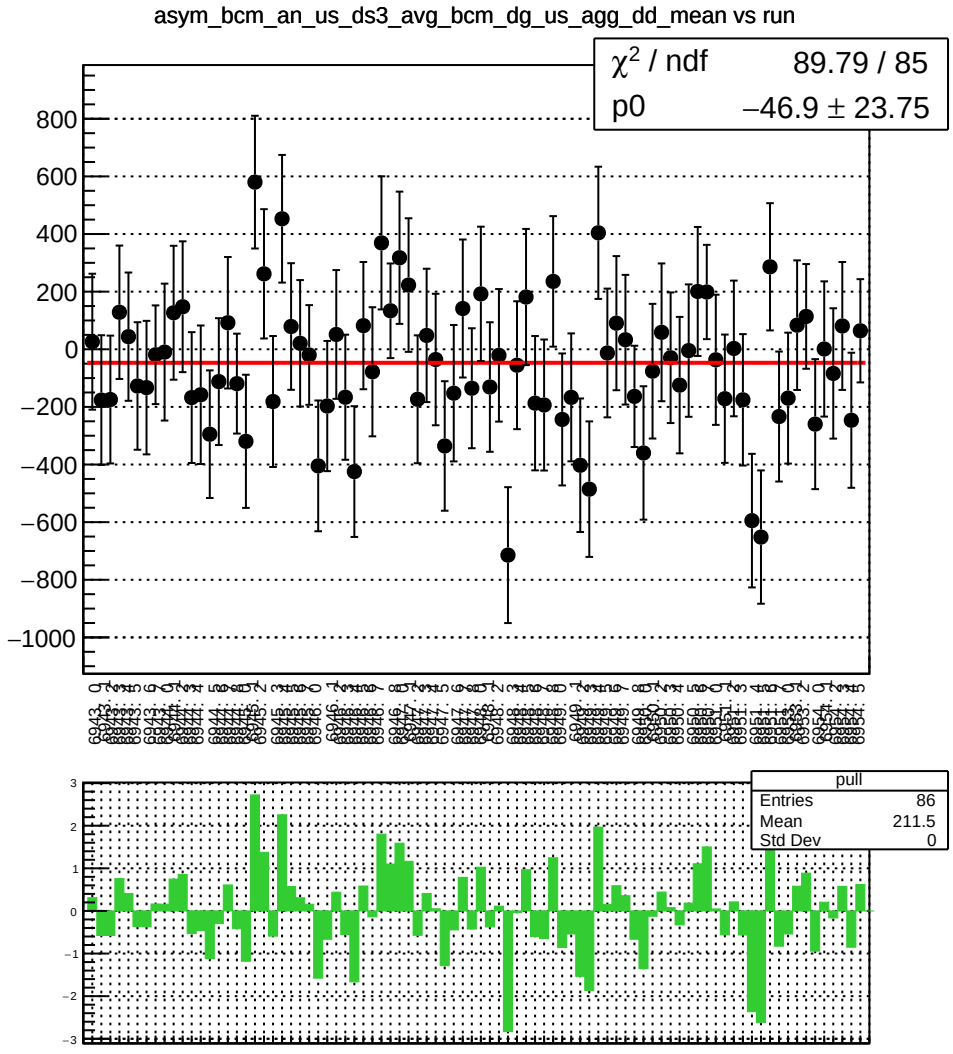

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 89.69 / 85
p0 −47.22 ± 23.88
1000
500
0
−500
−1000
pull
Entries 86
Mean 238.2
Std Dev 0
3
2
1
0
−1
−2
−3

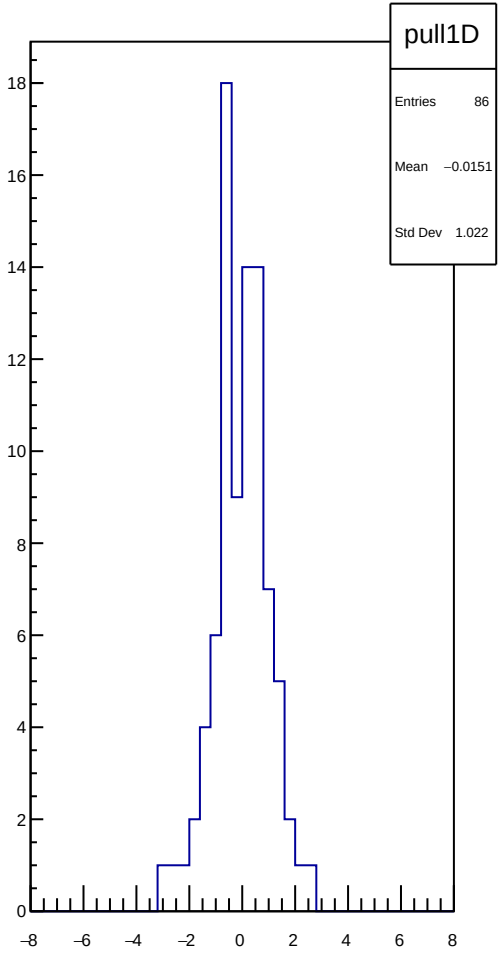

pull1D
Entries 86
Mean −0.01436
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

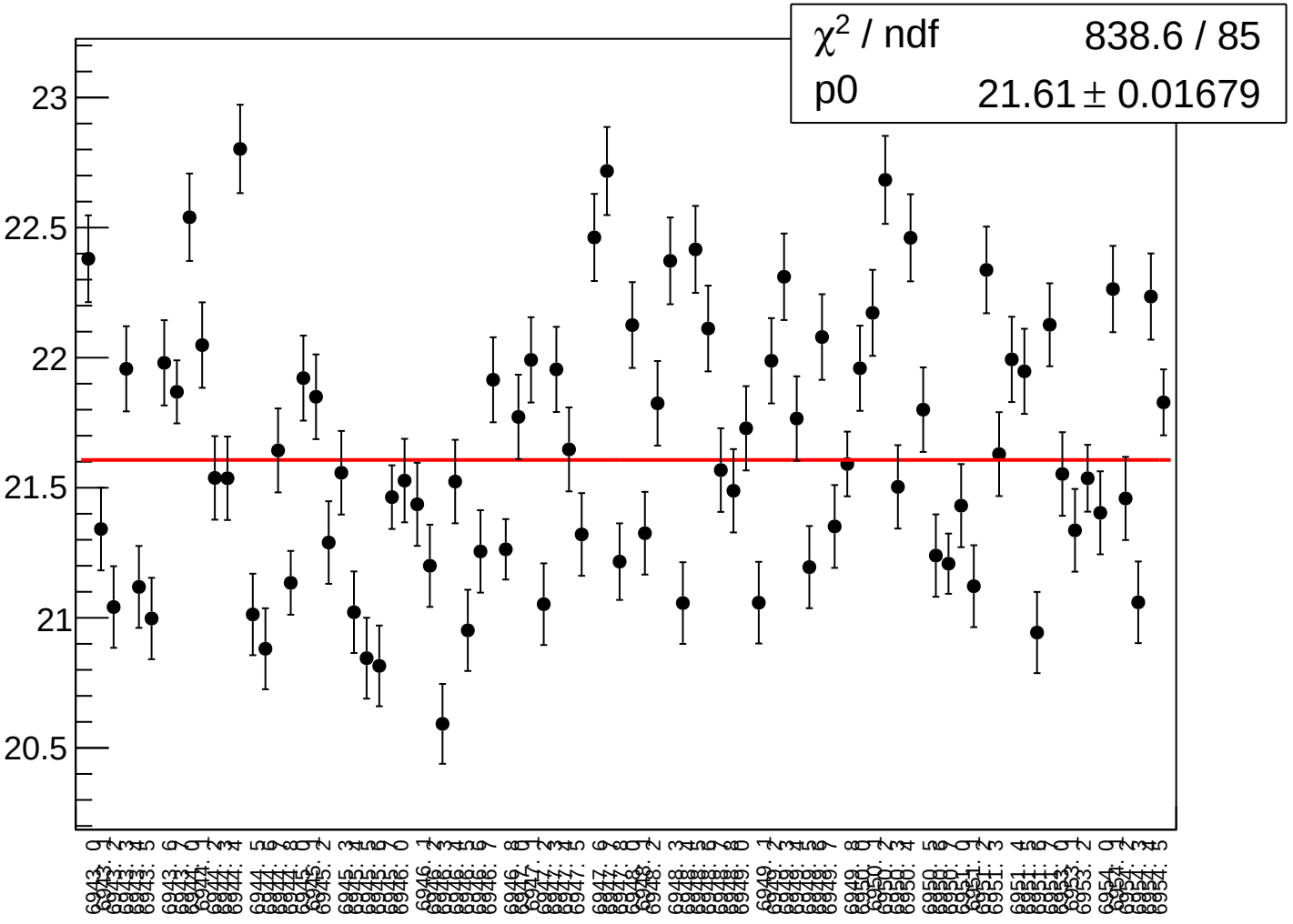

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 897.8 / 85
p0 21.73 ± 0.01689
23
22.5
22
21.5
21
20.5

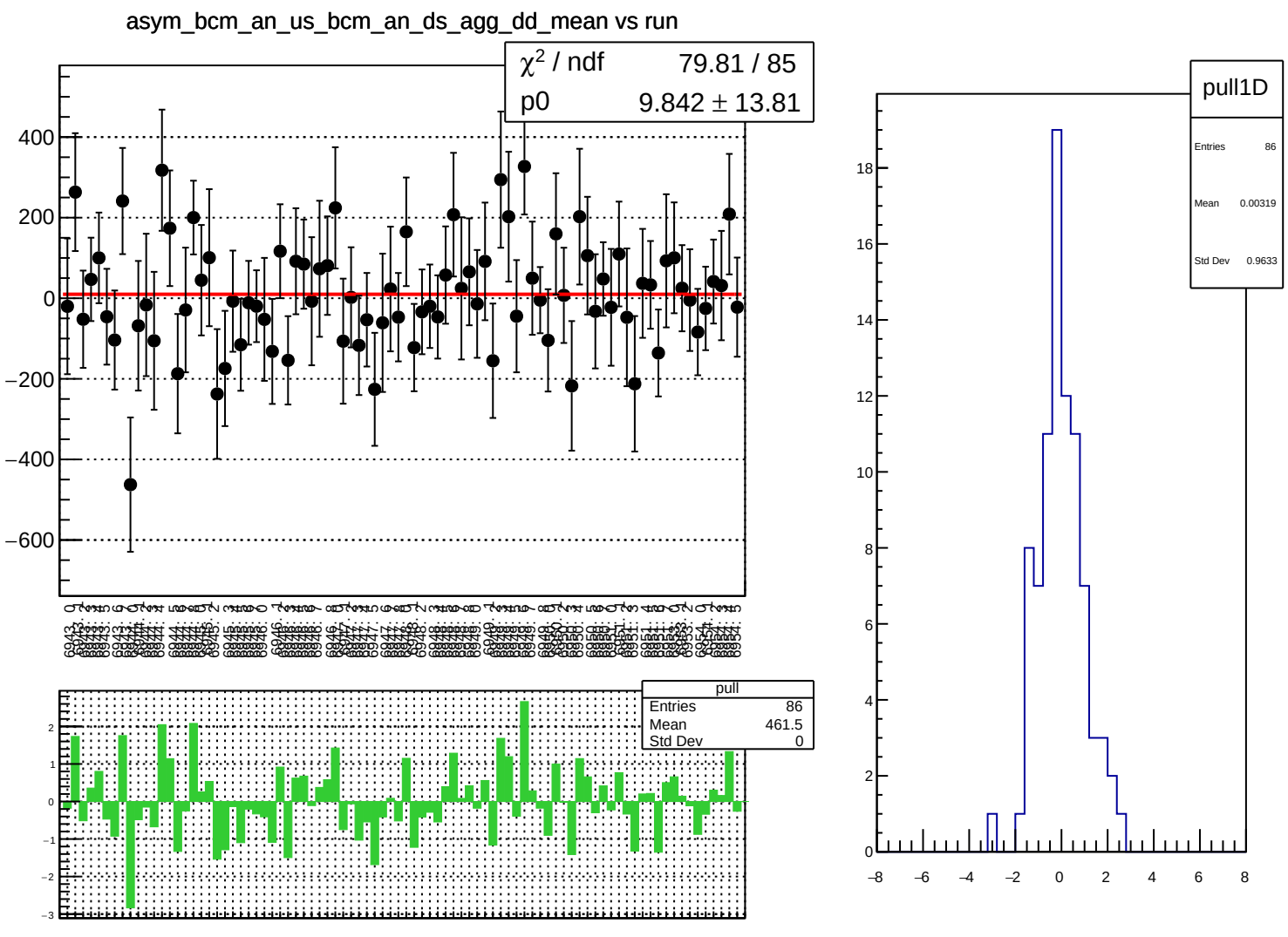

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 72.2 / 85
p0 15.15 ± 16.41
pull
Entries 86
Mean 230
Std Dev 0
pull1D
Entries 86
Mean −0.007066
Std Dev 0.9162

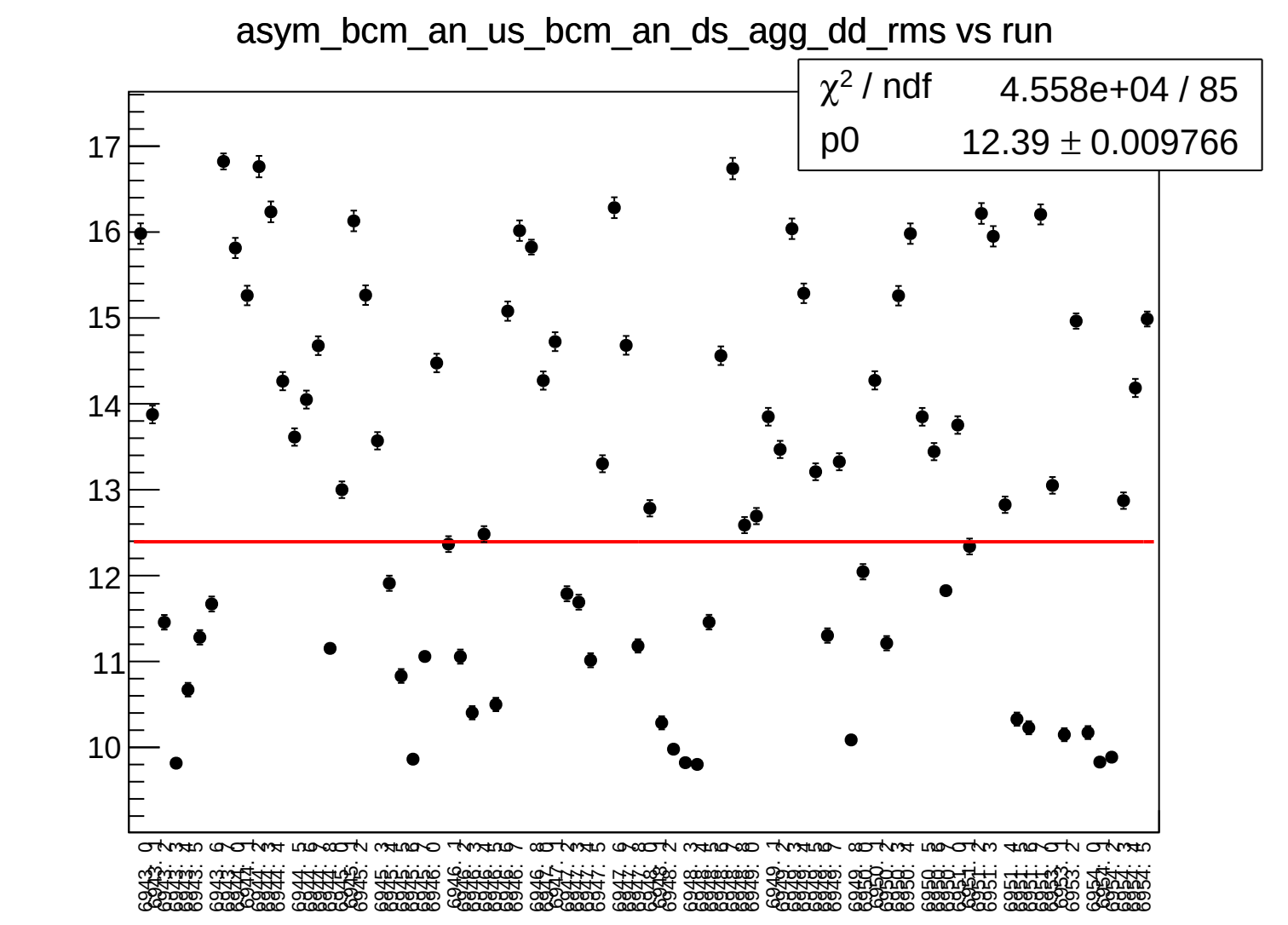

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3547 / 85
p0 14.91 ± 0.0116
17
16.5
16
15.5
15
14.5
14
13.5

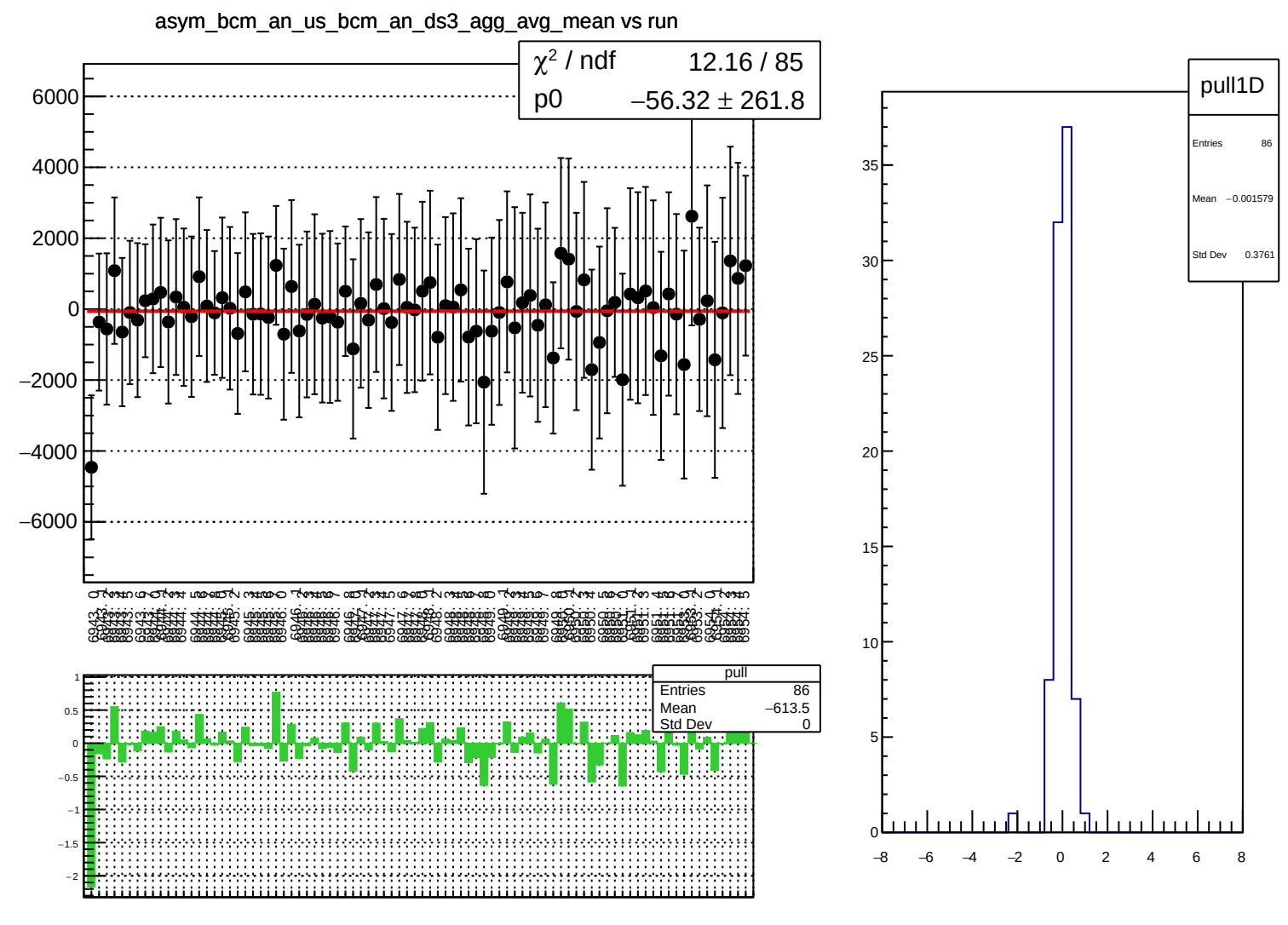

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 89.79 / 85
p0 −46.9 ± 23.75
pull
Entries 86
Mean 211.5
Std Dev 0

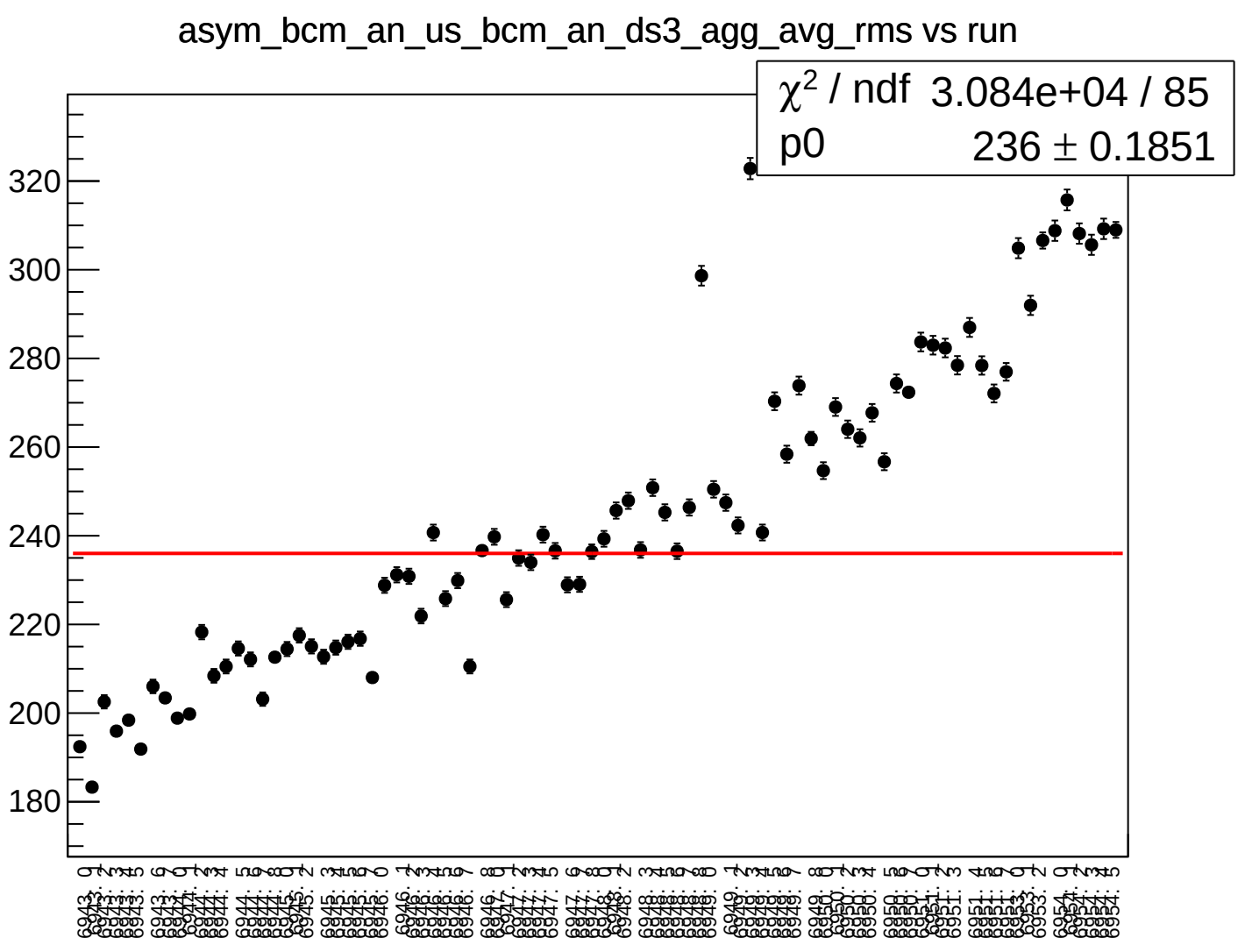

pull1D
Entries 86
Mean −0.0151
Std Dev 1.022

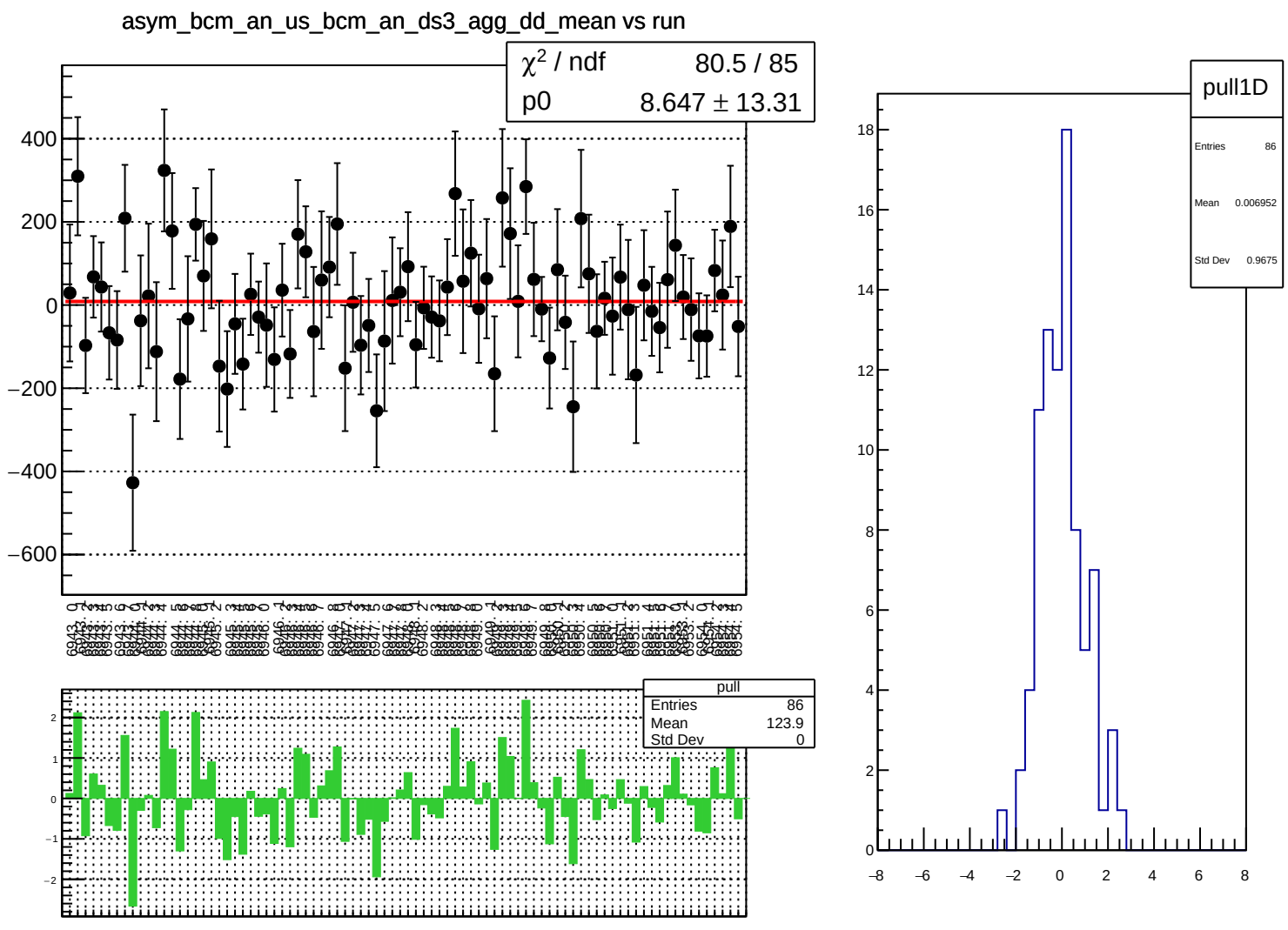

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 838.6 / 85
p0 21.61 ± 0.01679
23
22.5
22
21.5
21
20.5

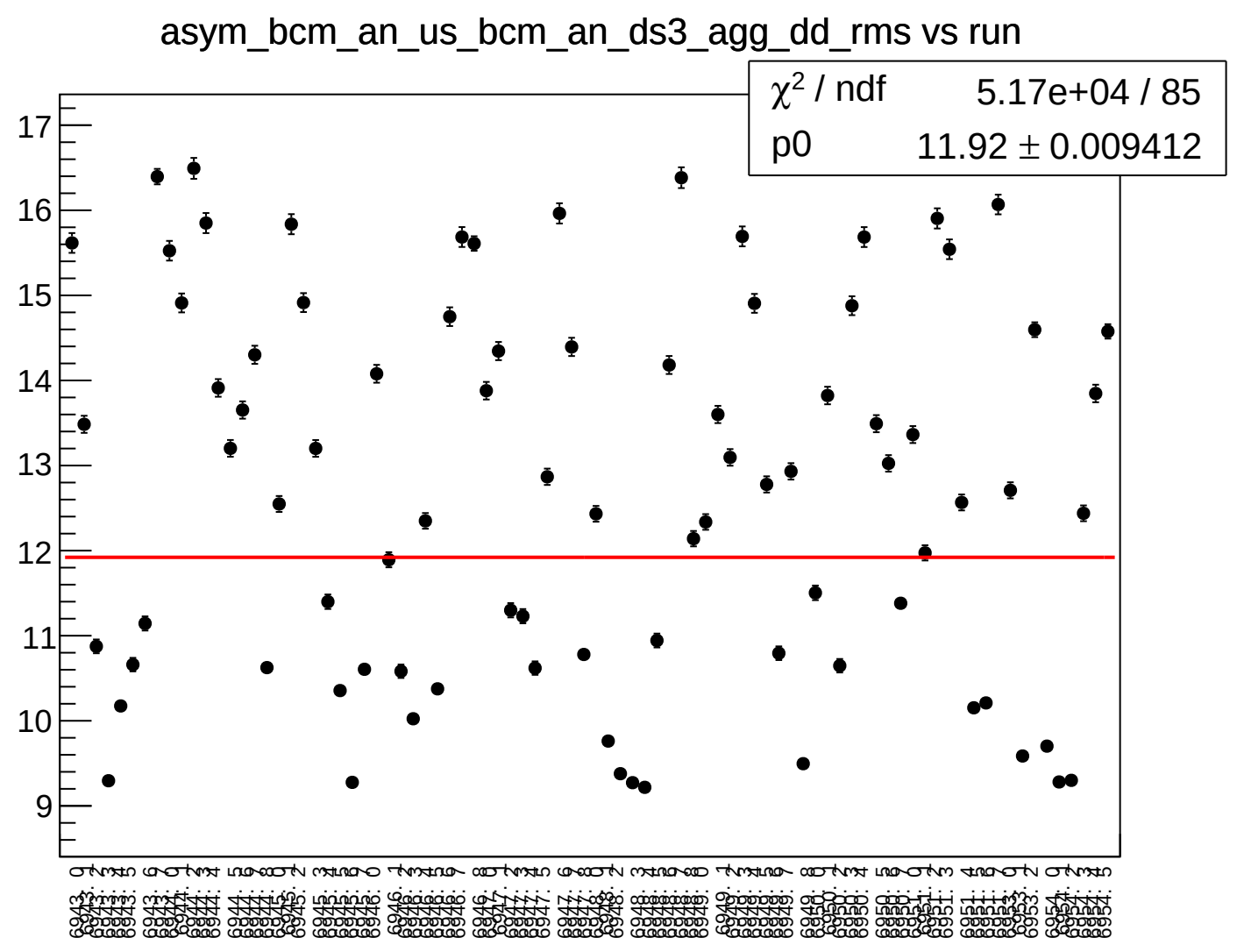

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 79.81 / 85
p0 9.842 ± 13.81
pull
Entries 86
Mean 461.5
Std Dev 0
pull1D
Entries 86
Mean 0.00319
Std Dev 0.9633

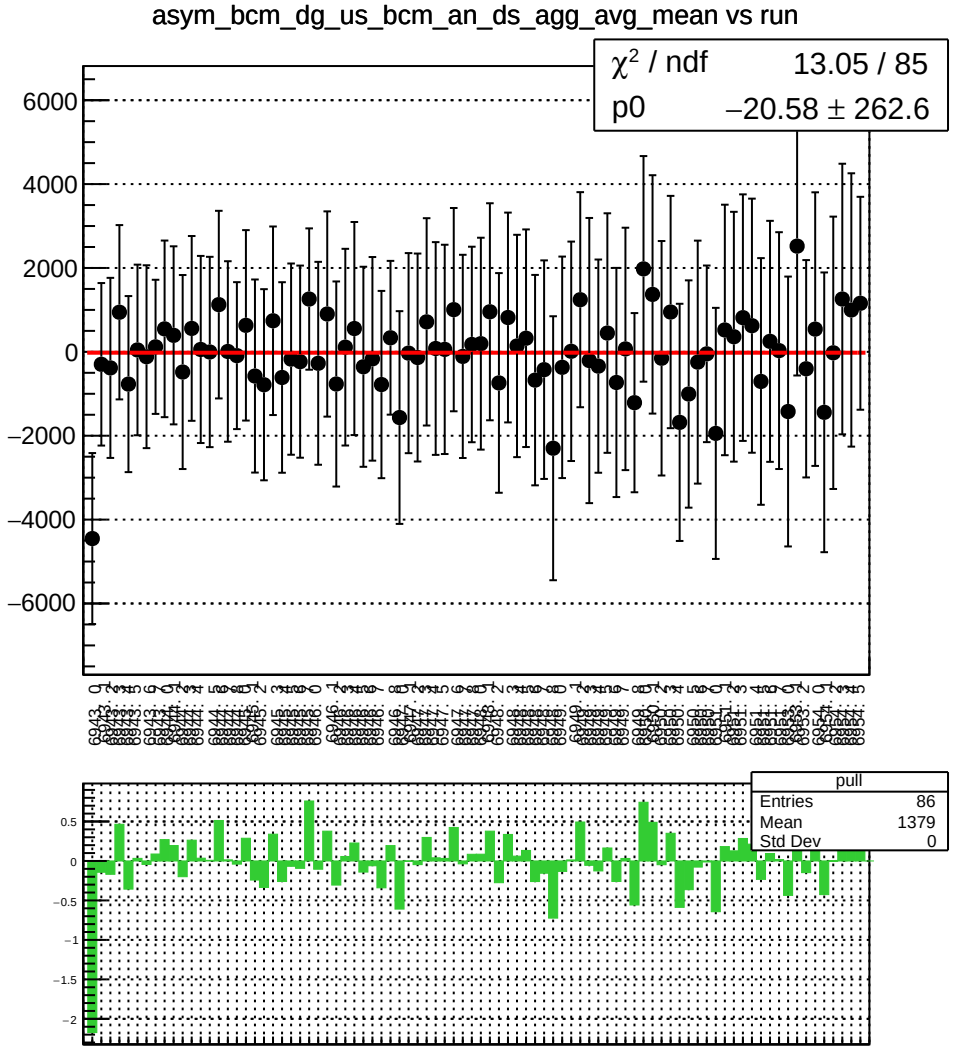

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4.558e+04 / 85
p0 12.39 ± 0.009766
17
16
15
14
13
12
11
10

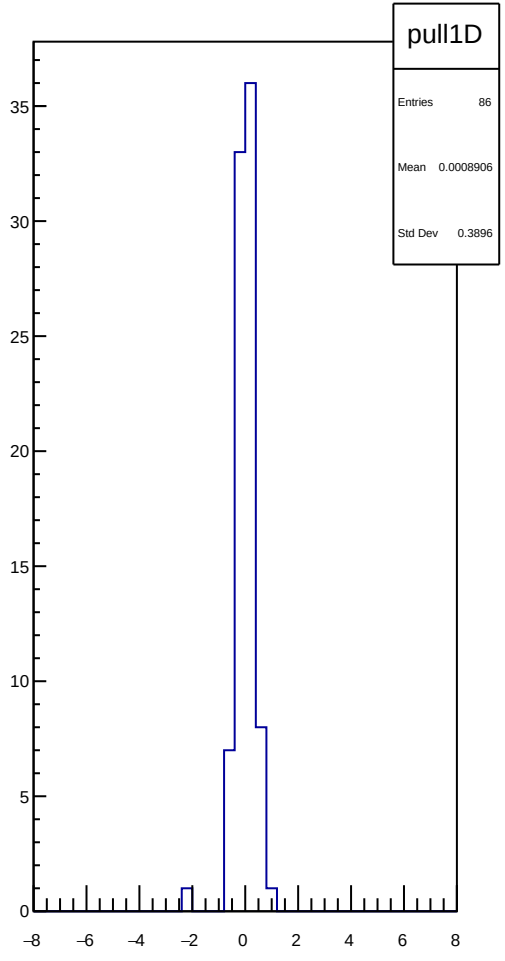

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 12.16 / 85
p0 −56.32 ± 261.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −613.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.001579
Std Dev 0.3761
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

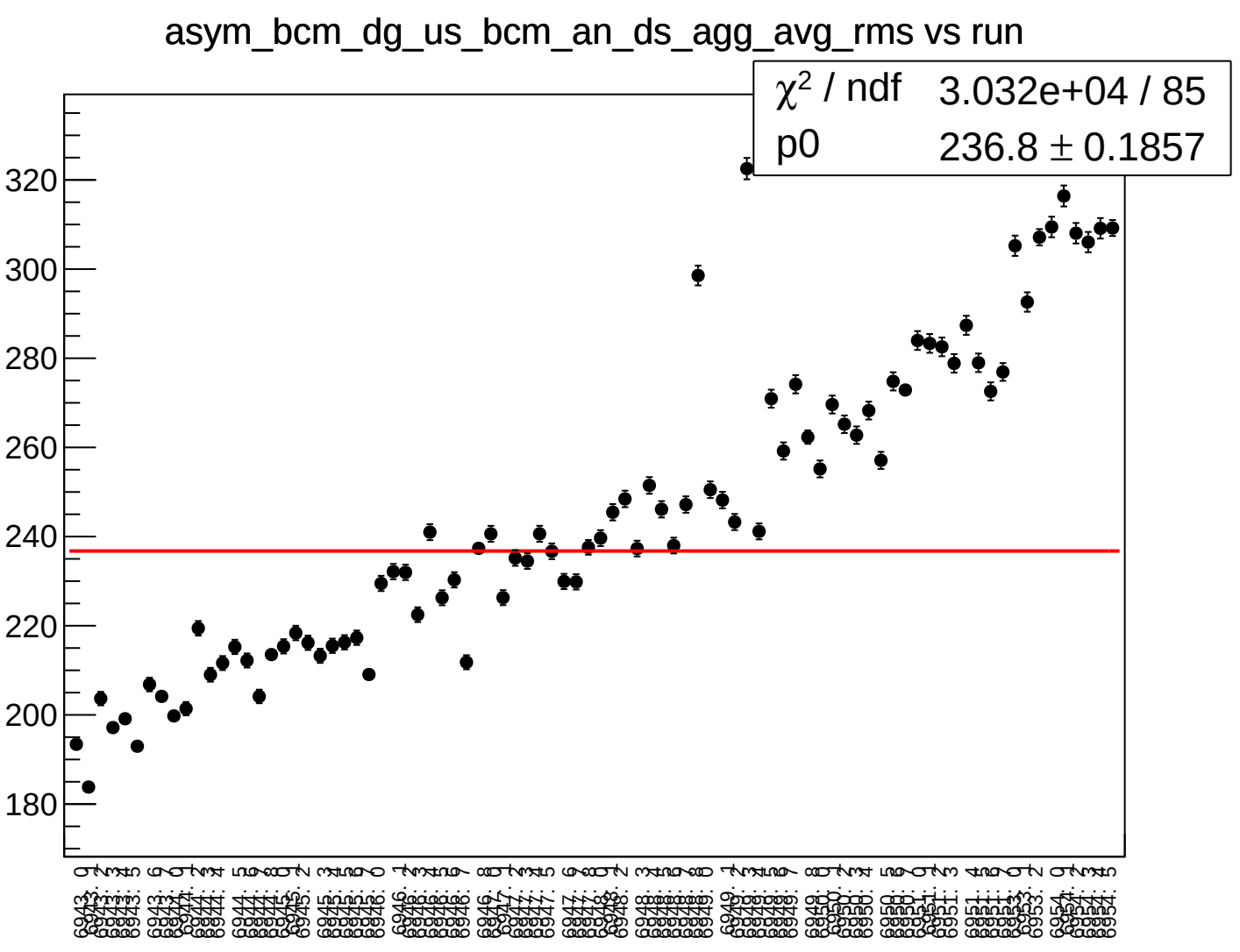

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.084e+04 / 85
p0 236 ± 0.1851
320
300
280
260
240
220
200
180

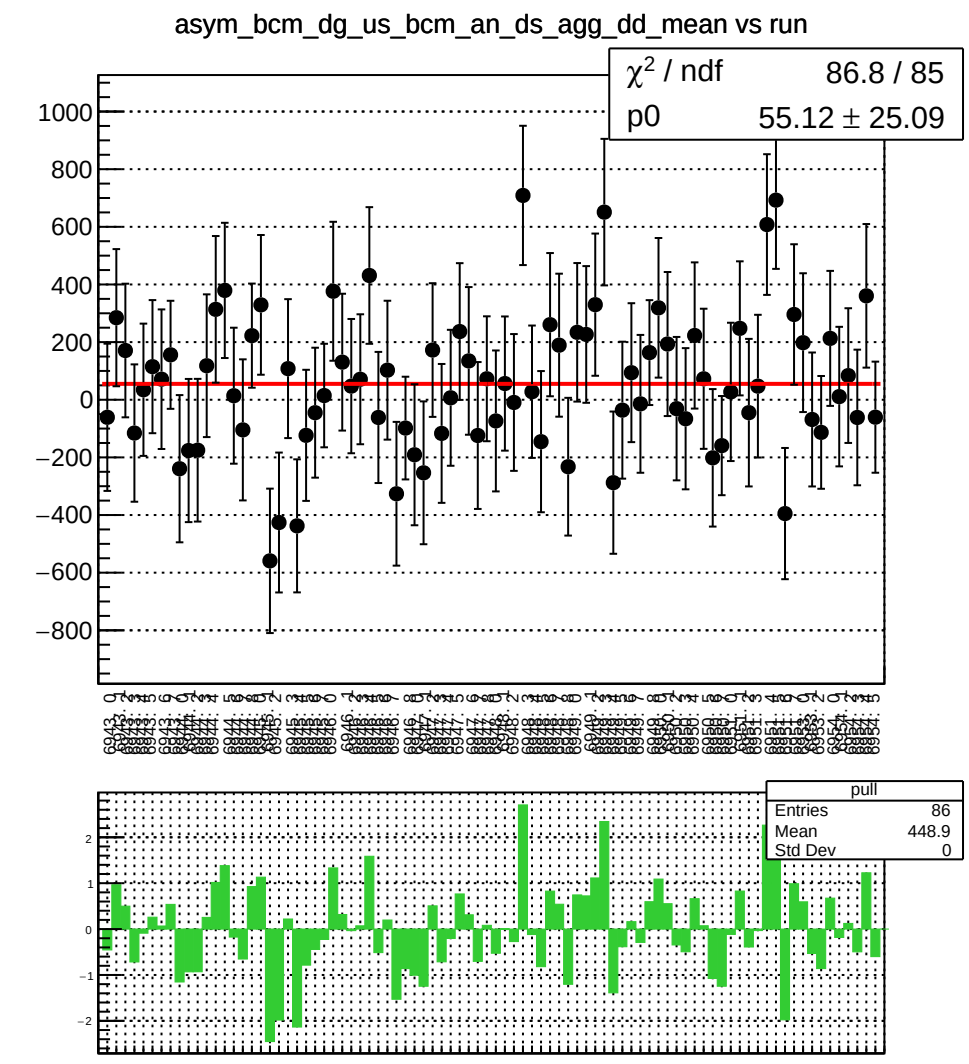

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 80.5 / 85
p0 8.647 ± 13.31
400
200
0
−200
−400
−600
pull
Entries 86
Mean 123.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.006952
Std Dev 0.9675
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

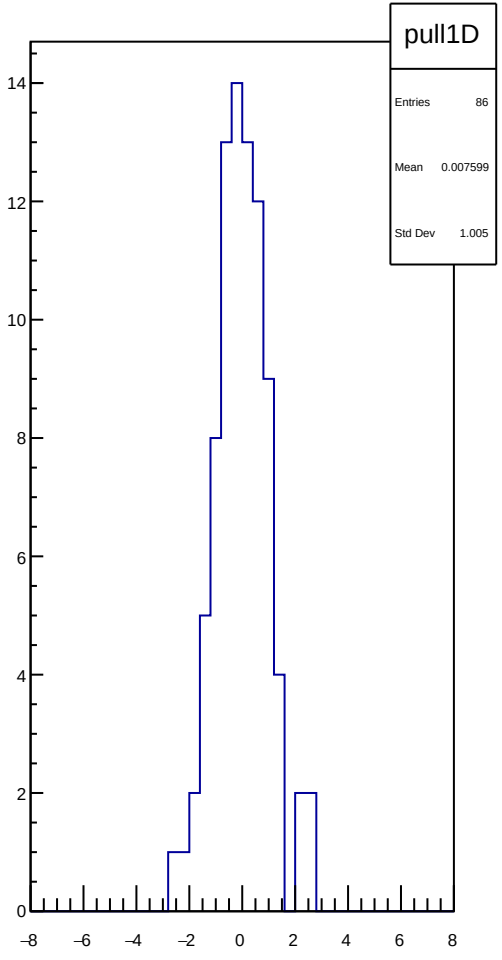

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 5.17e+04 / 85
p0 11.92 ± 0.009412
17
16
15
14
13
12
11
10
9

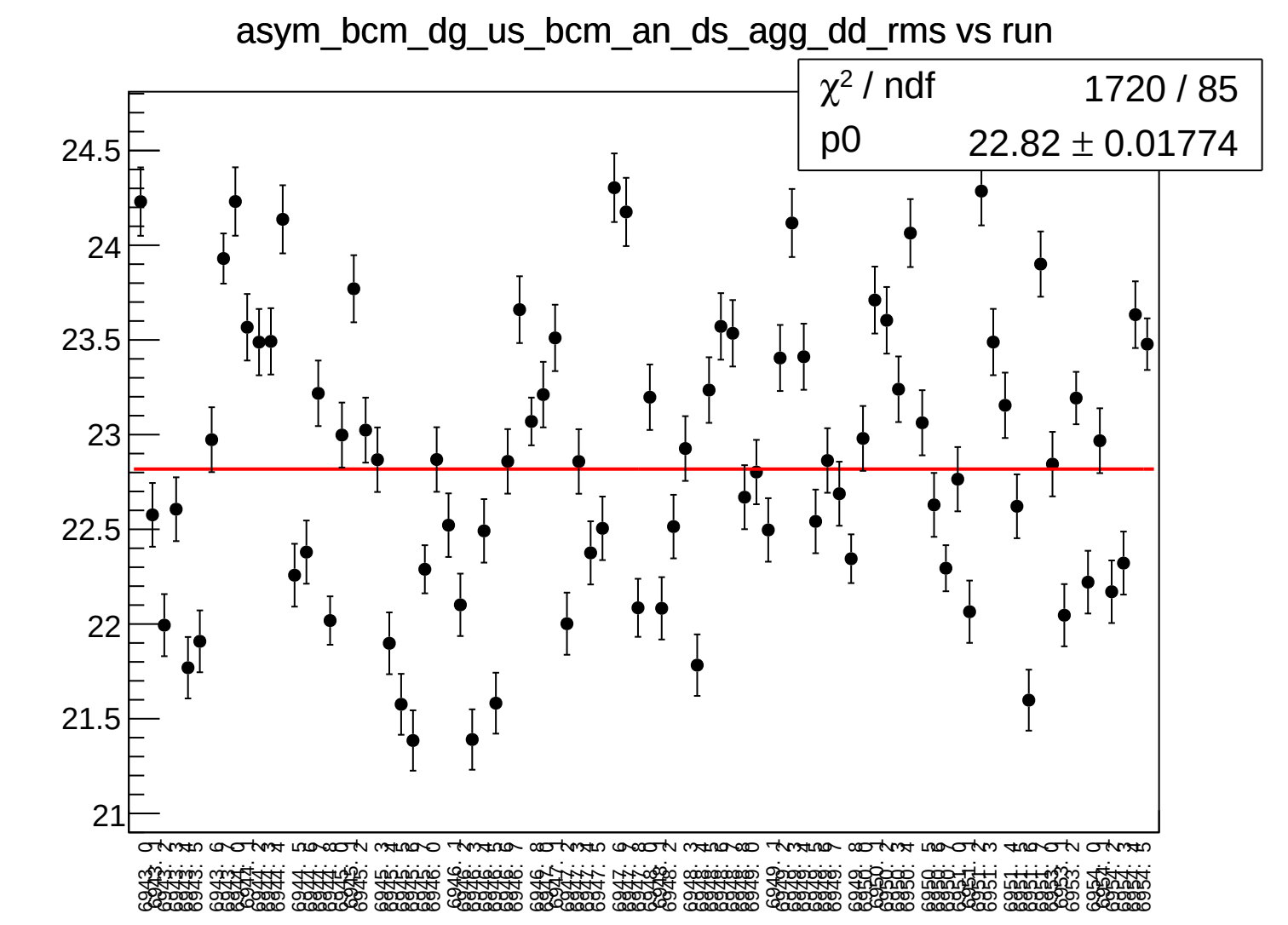

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.05 / 85
p0 −20.58 ± 262.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 1379
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2

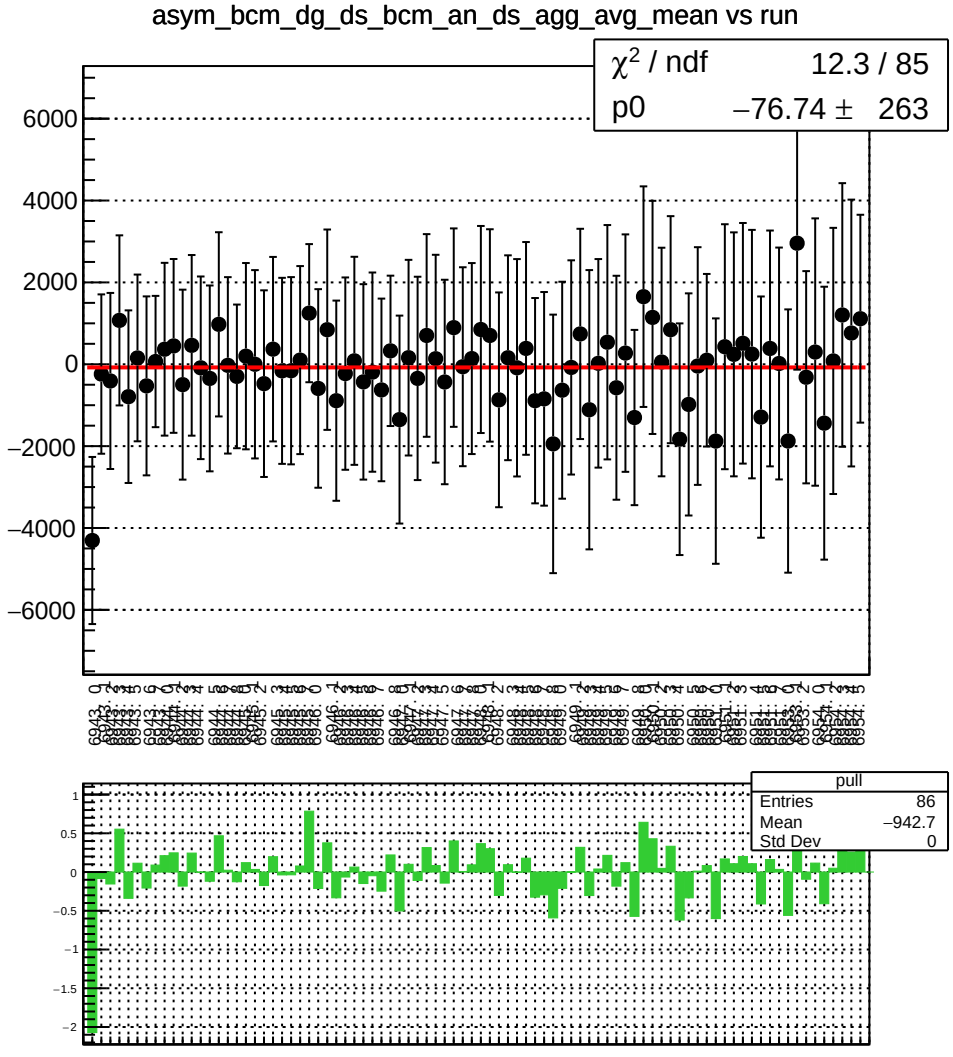

pull1D
Entries 86
Mean 0.0008906
Std Dev 0.3896
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

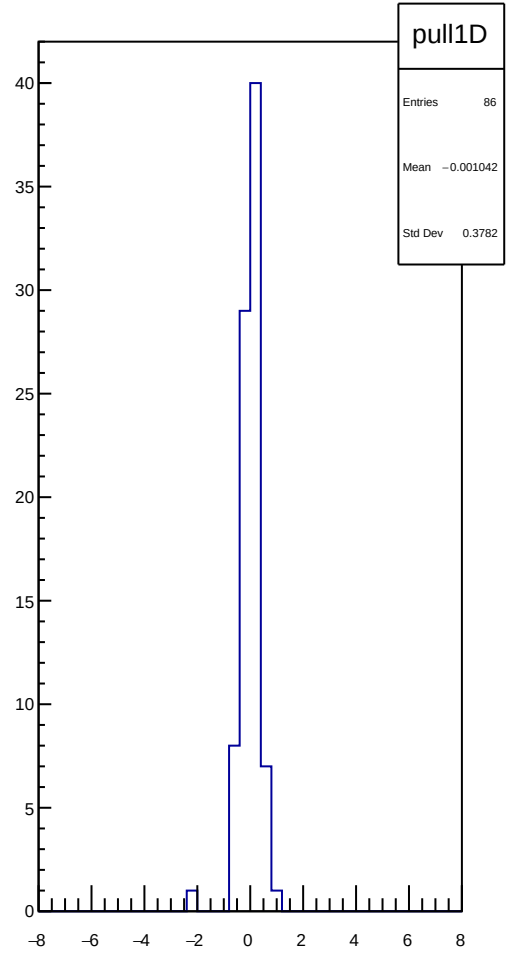

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.032e+04 / 85
p0 236.8 ± 0.1857
320
300
280
260
240
220
200
180

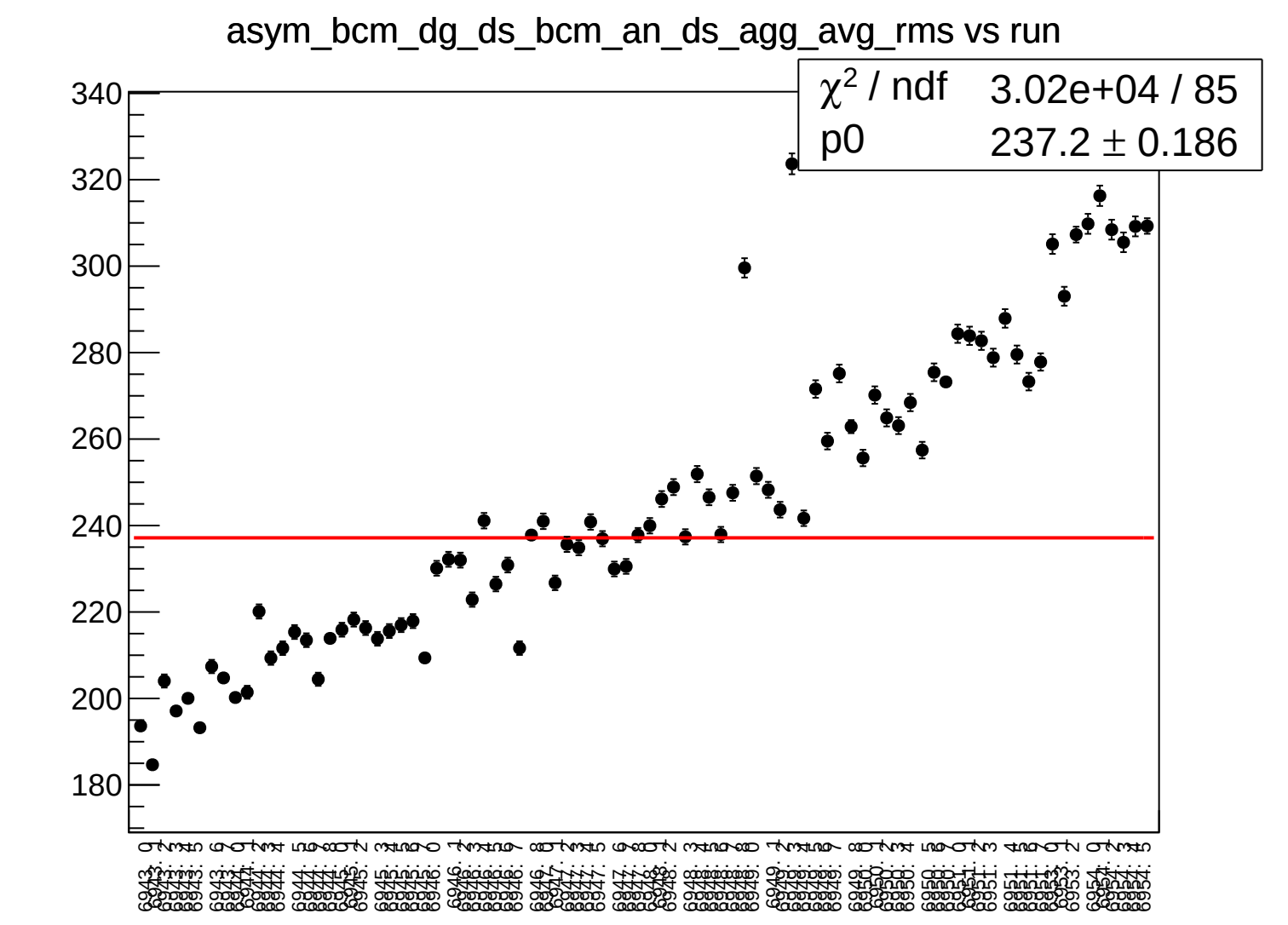

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 86.8 / 85
p0 55.12 ± 25.09
pull
Entries 86
Mean 448.9
Std Dev 0

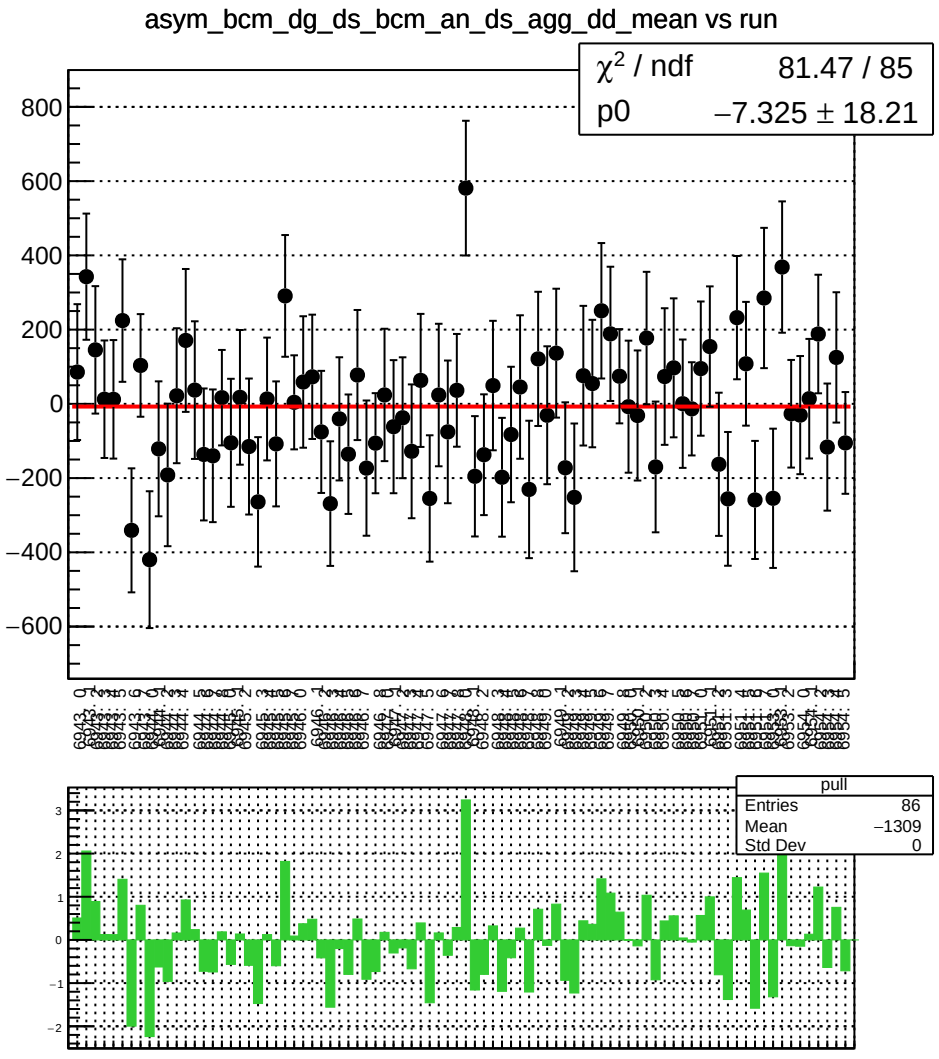

pull1D
Entries 86
Mean 0.007599
Std Dev 1.005

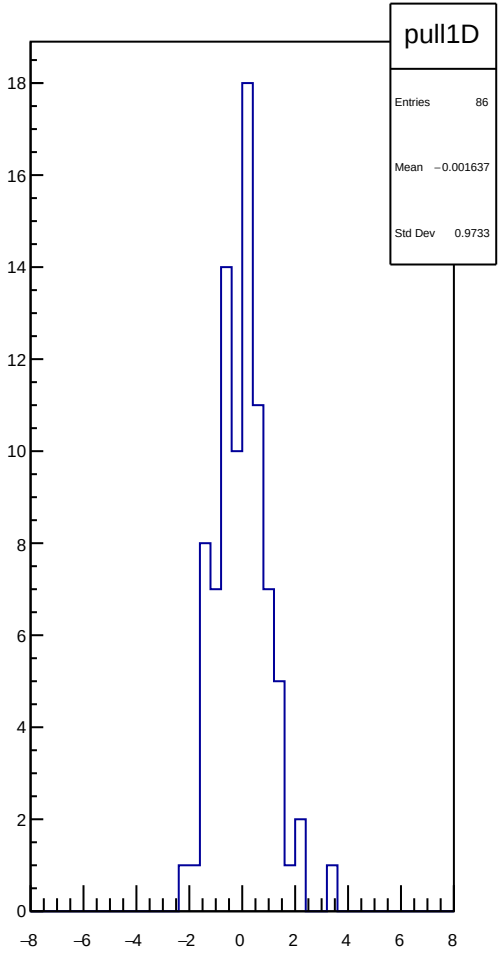

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1720 / 85
p0 22.82 ± 0.01774
24.5
24
23.5
23
22.5
22
21.5
21

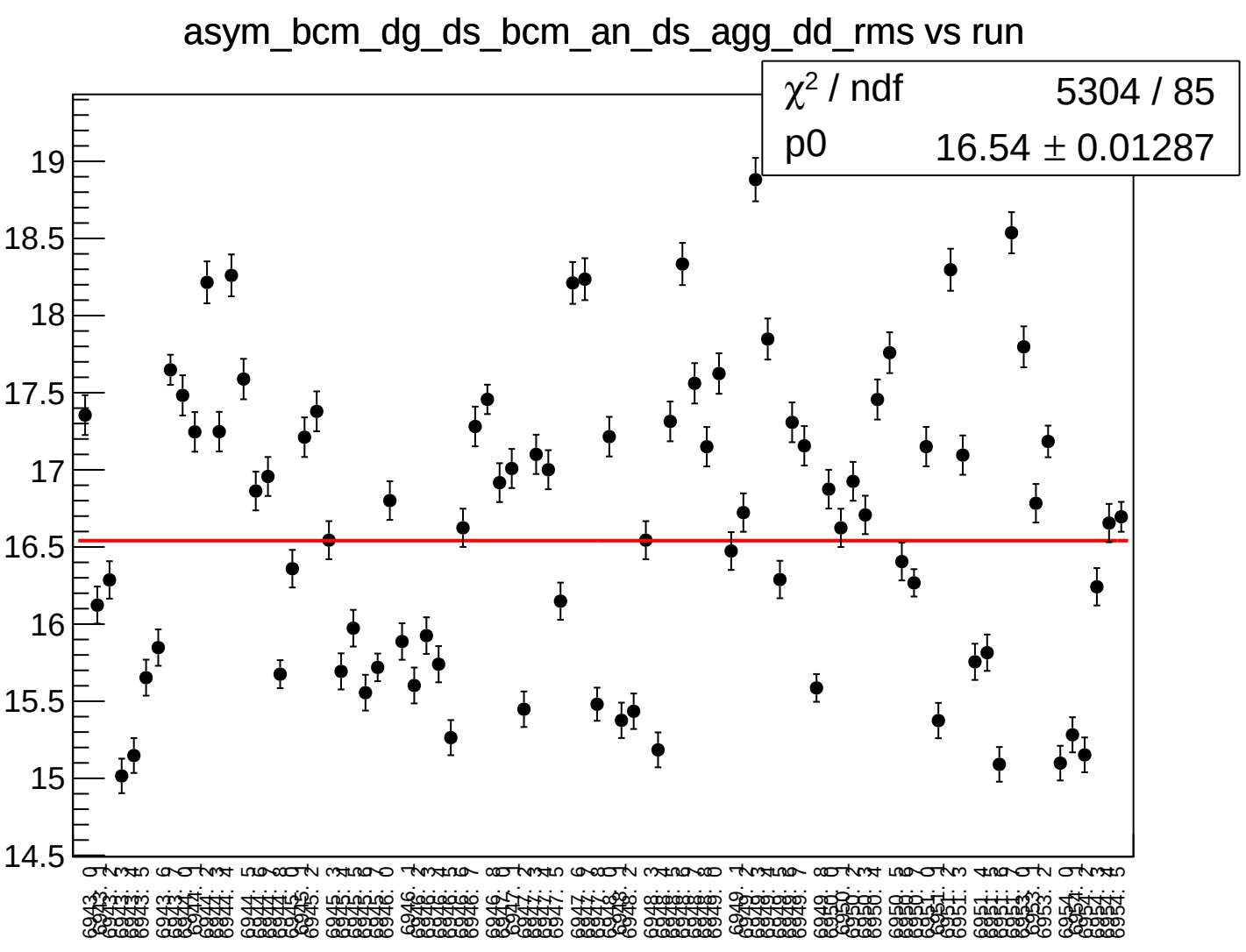

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.3 / 85
p0 −76.74 ± 263
pull
Entries 86
Mean −942.7
Std Dev 0

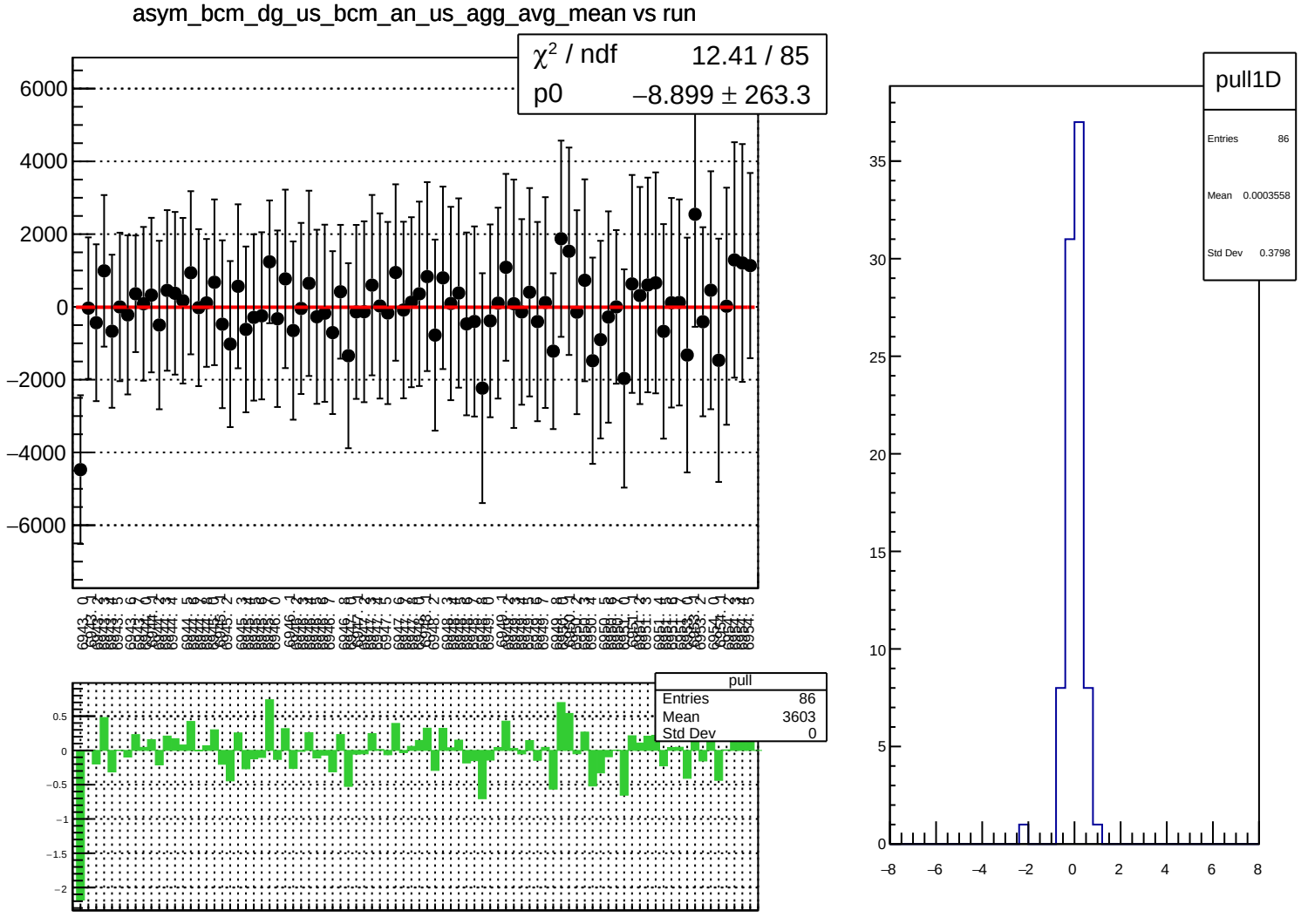

pull1D
Entries 86
Mean −0.001042
Std Dev 0.3782

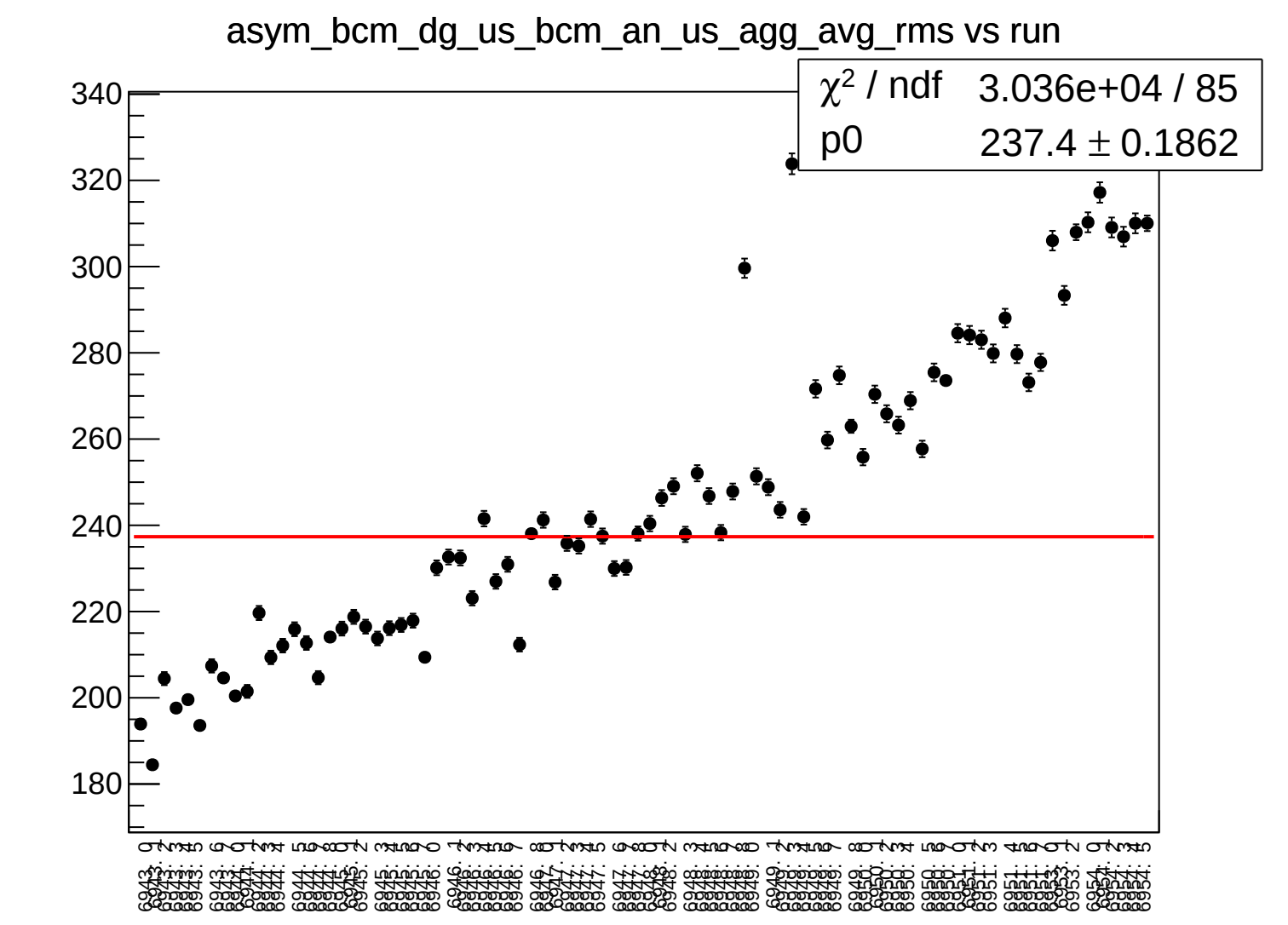

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.02e+04 / 85
p0 237.2 ± 0.186
340
320
300
280
260
240
220
200
180

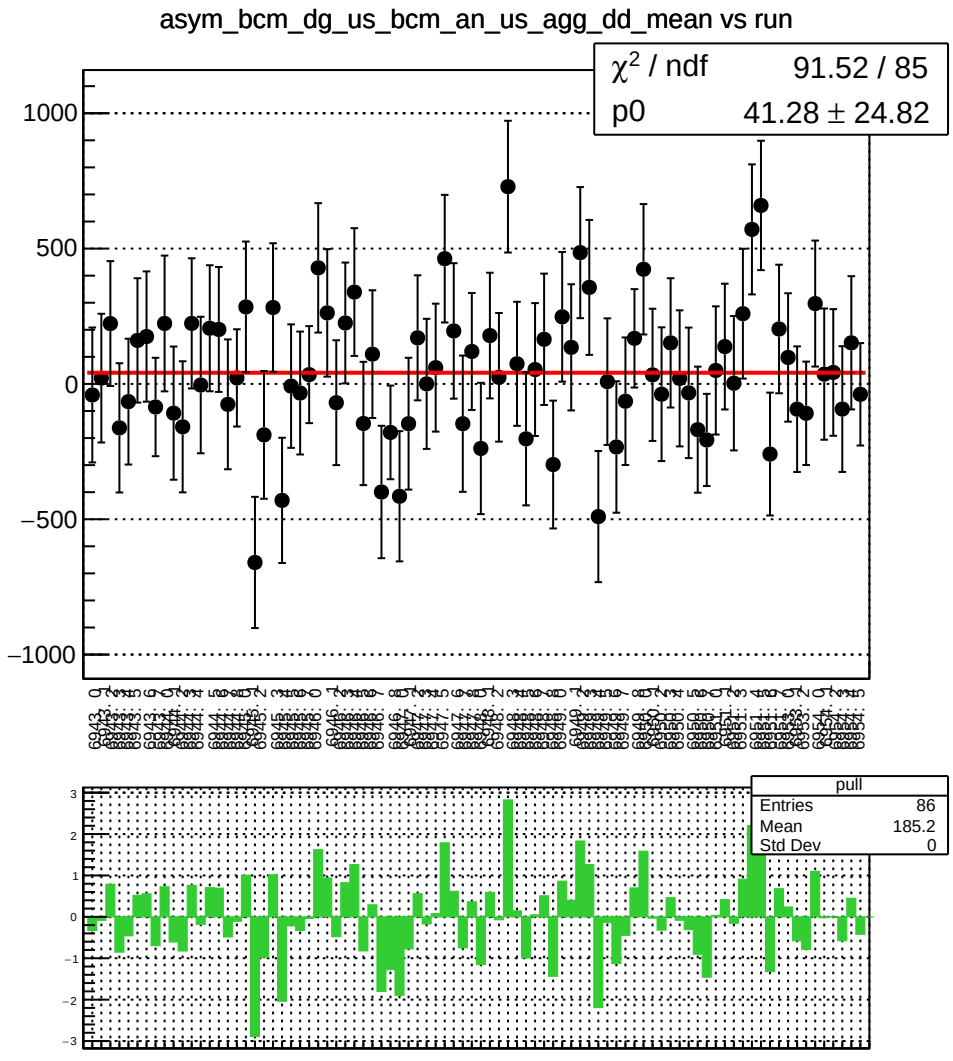

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 81.47 / 85
p0 −7.325 ± 18.21
pull
Entries 86
Mean −1309
Std Dev 0

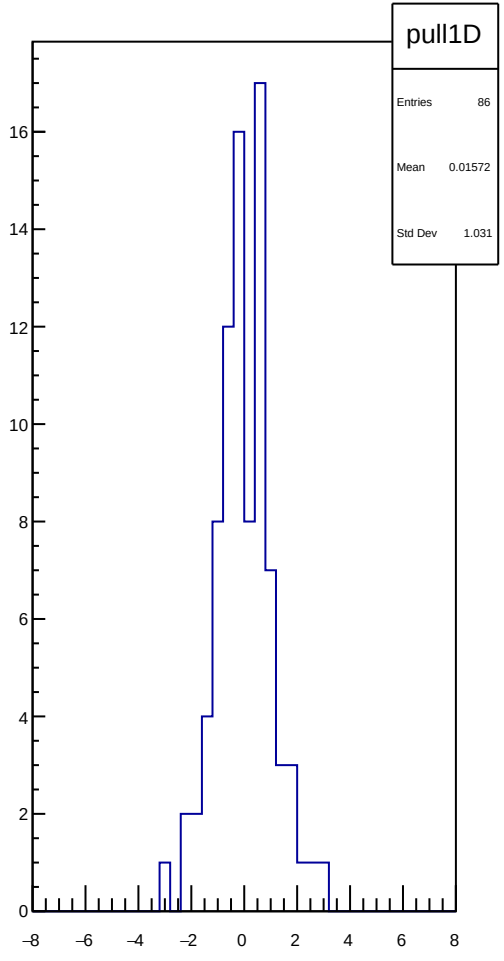

pull1D
Entries 86
Mean −0.001637
Std Dev 0.9733

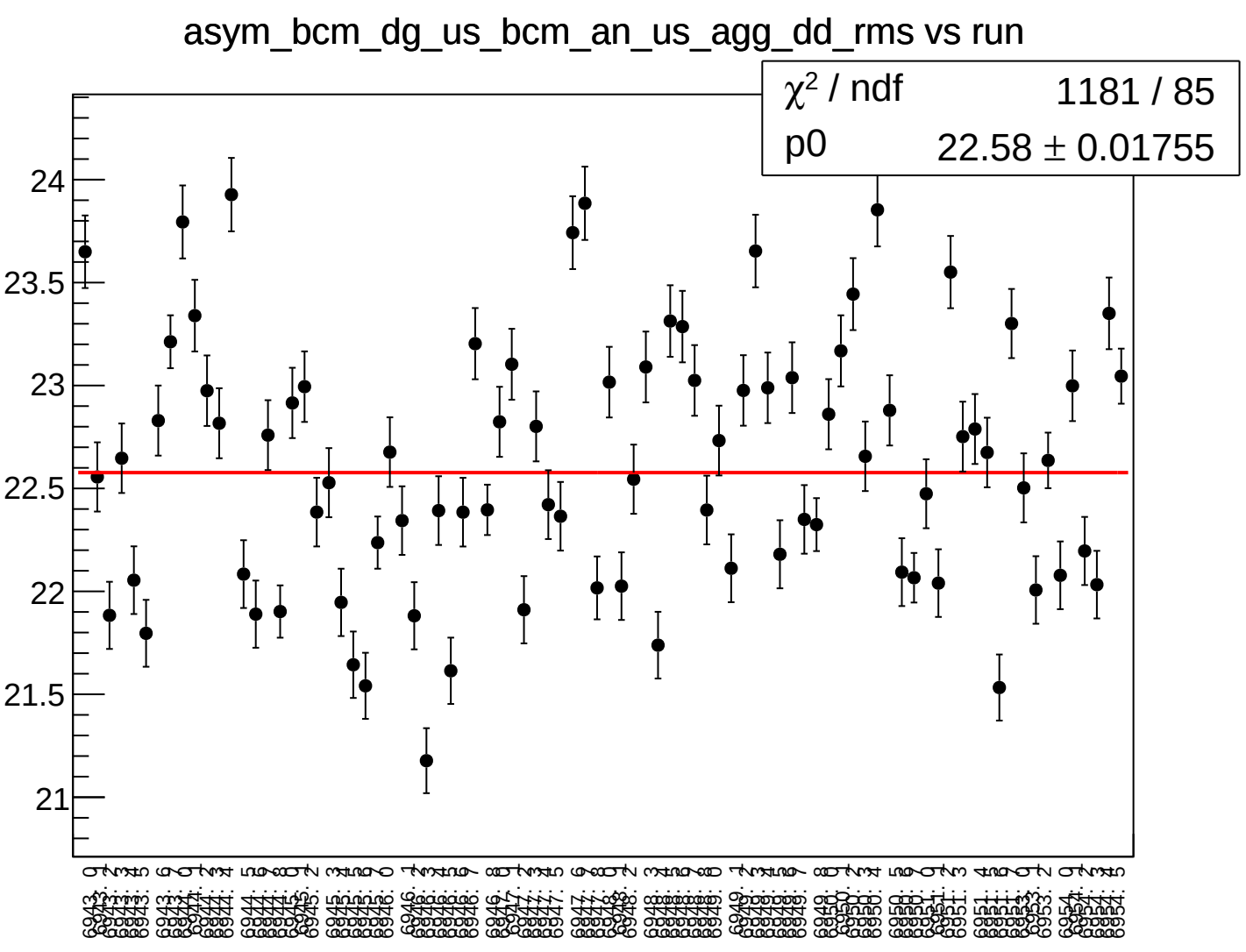

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 5304 / 85
p0 16.54 ± 0.01287
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5

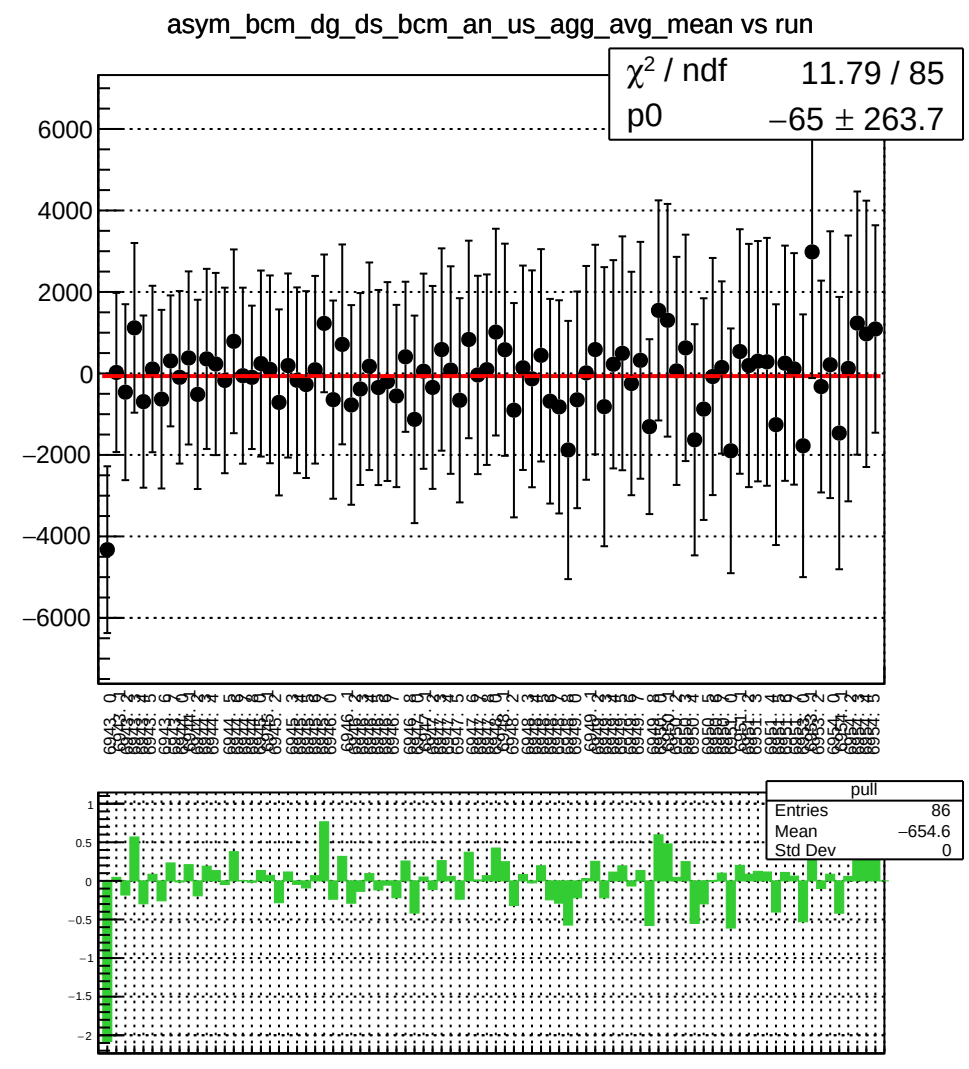

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.41 / 85
p0 −8.899 ± 263.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 3603
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.0003558
Std Dev 0.3798
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

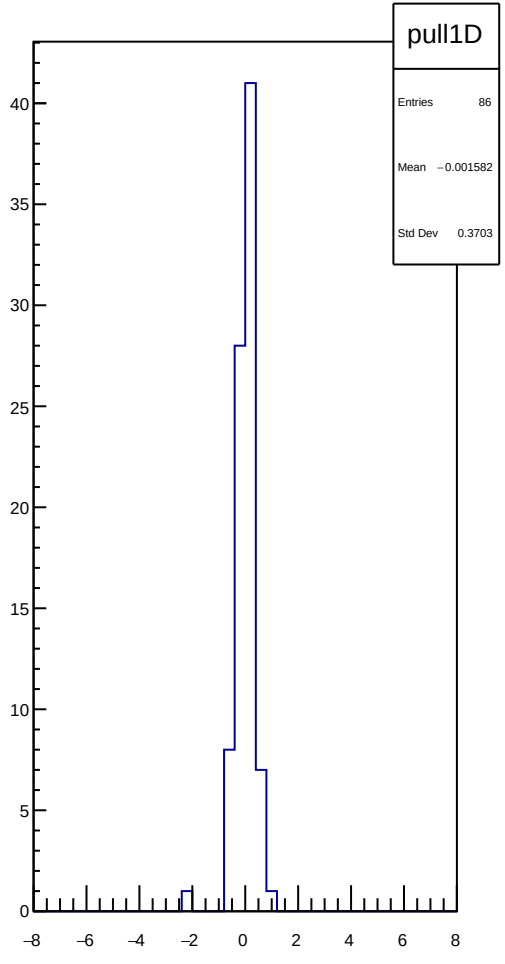

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.036e+04 / 85
p0 237.4 ± 0.1862
340
320
300
280
260
240
220
200
180

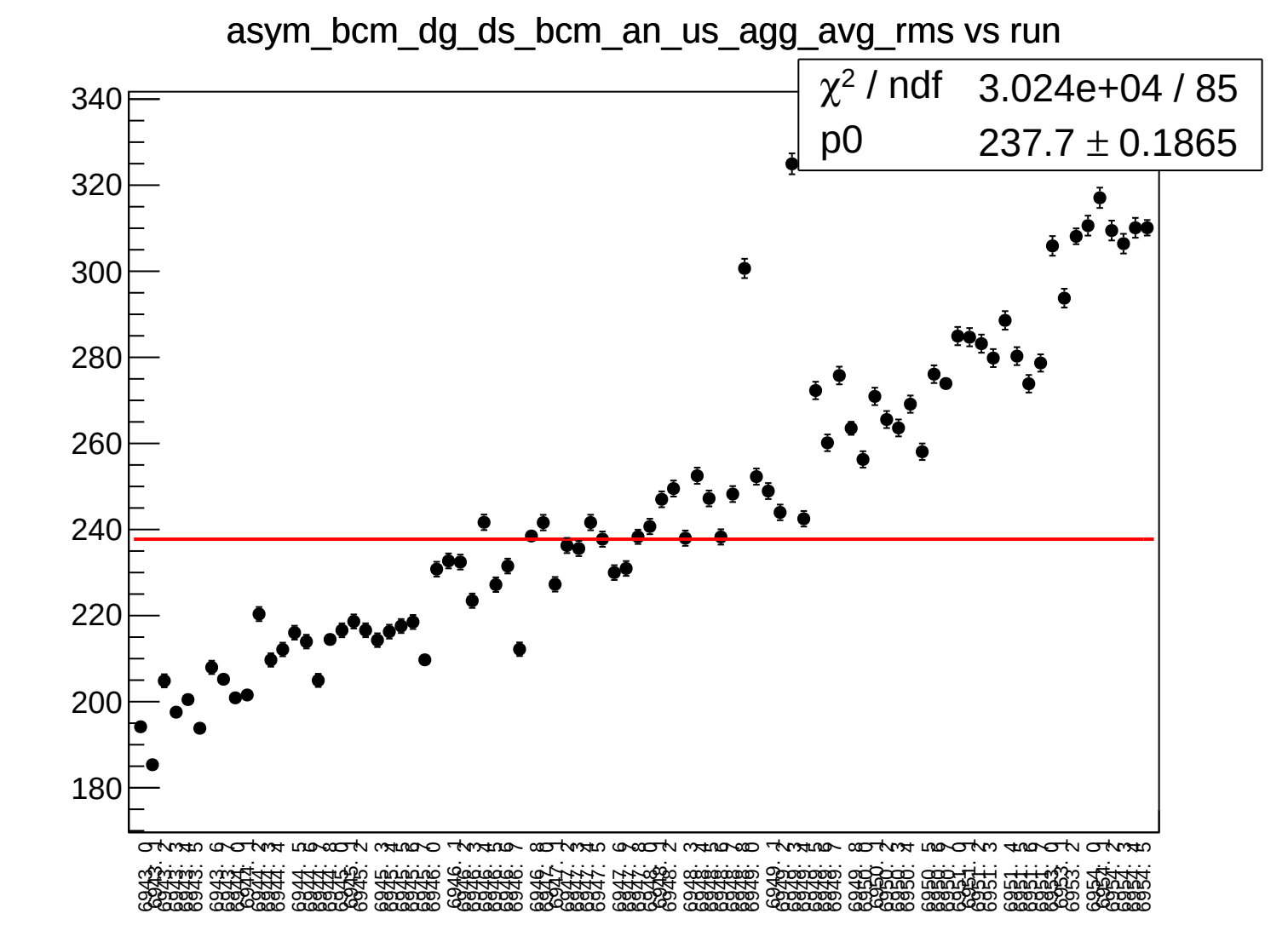

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 91.52 / 85
p0 41.28 ± 24.82
1000
500
0
−500
−1000
pull
Entries 86
Mean 185.2
Std Dev 0
3
2
1
0
−1
−2
−3

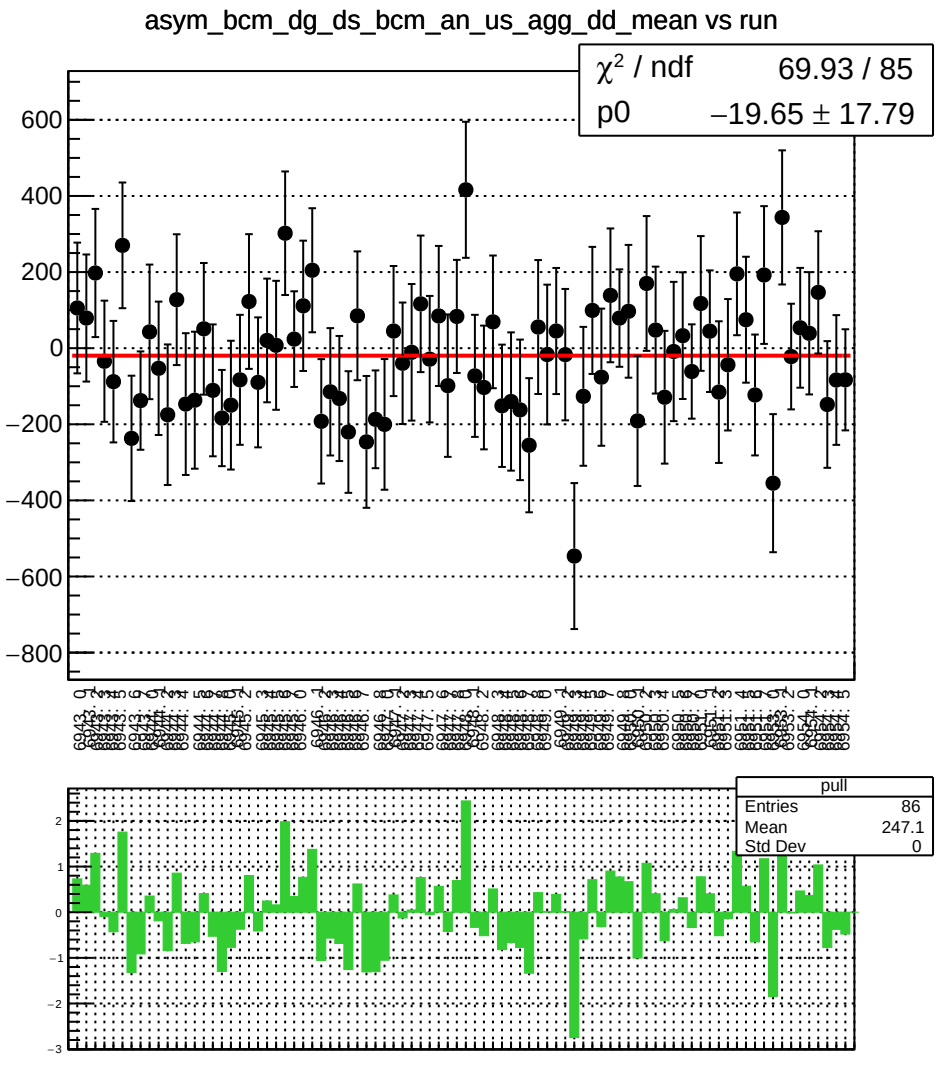

pull1D
Entries 86
Mean 0.01572
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

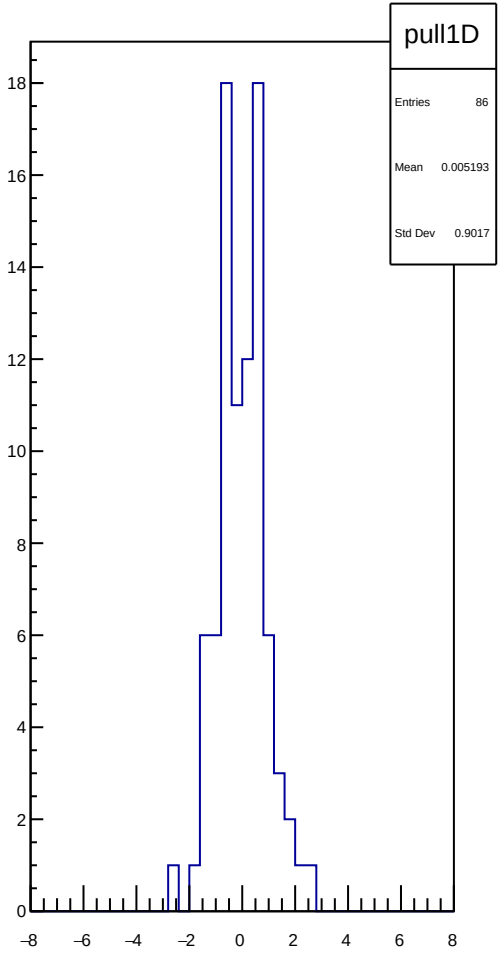

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1181 / 85
p0 22.58 ± 0.01755
24
23.5
23
22.5
22
21.5
21

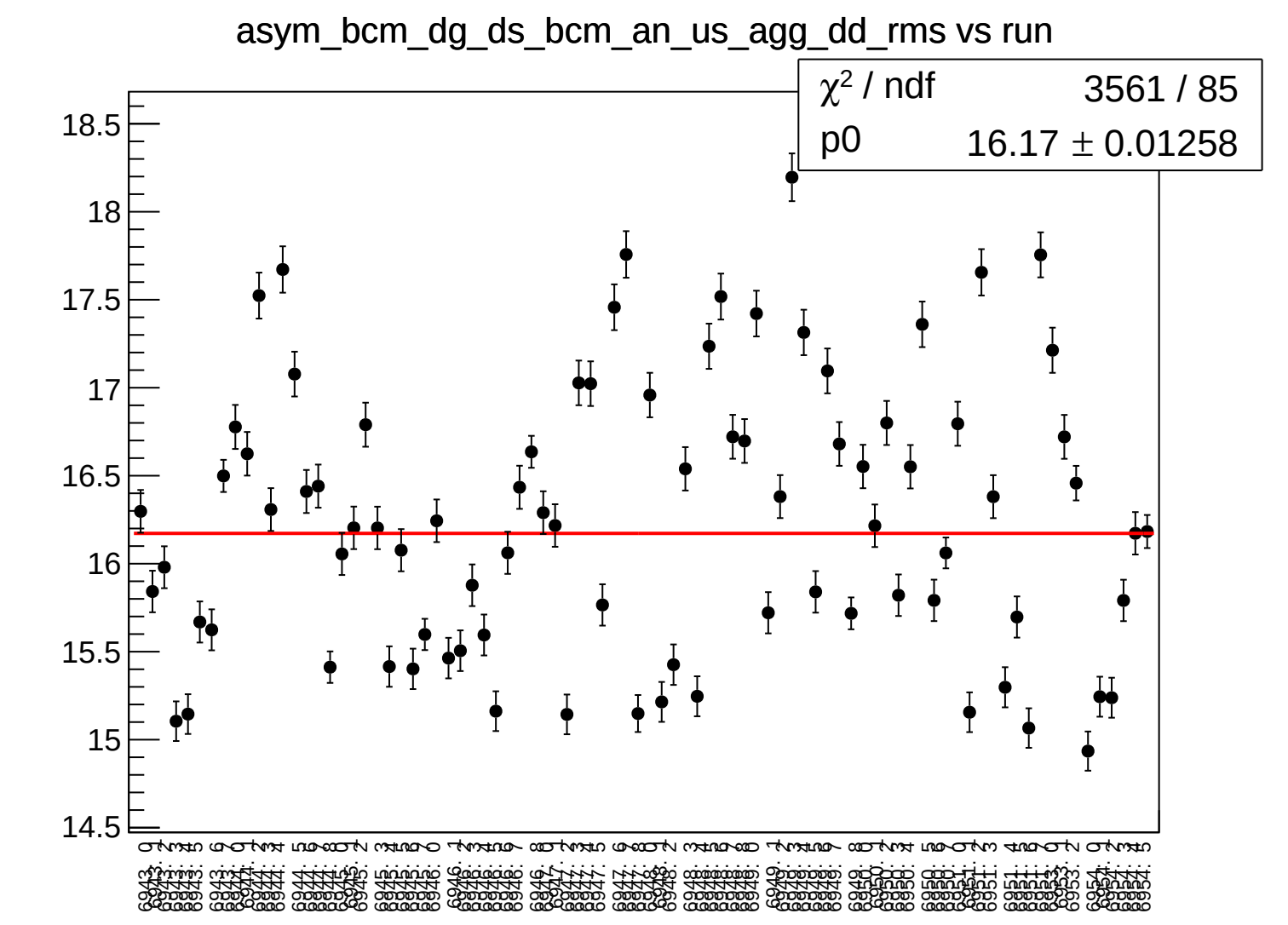

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.79 / 85
p0 −65 ± 263.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −654.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

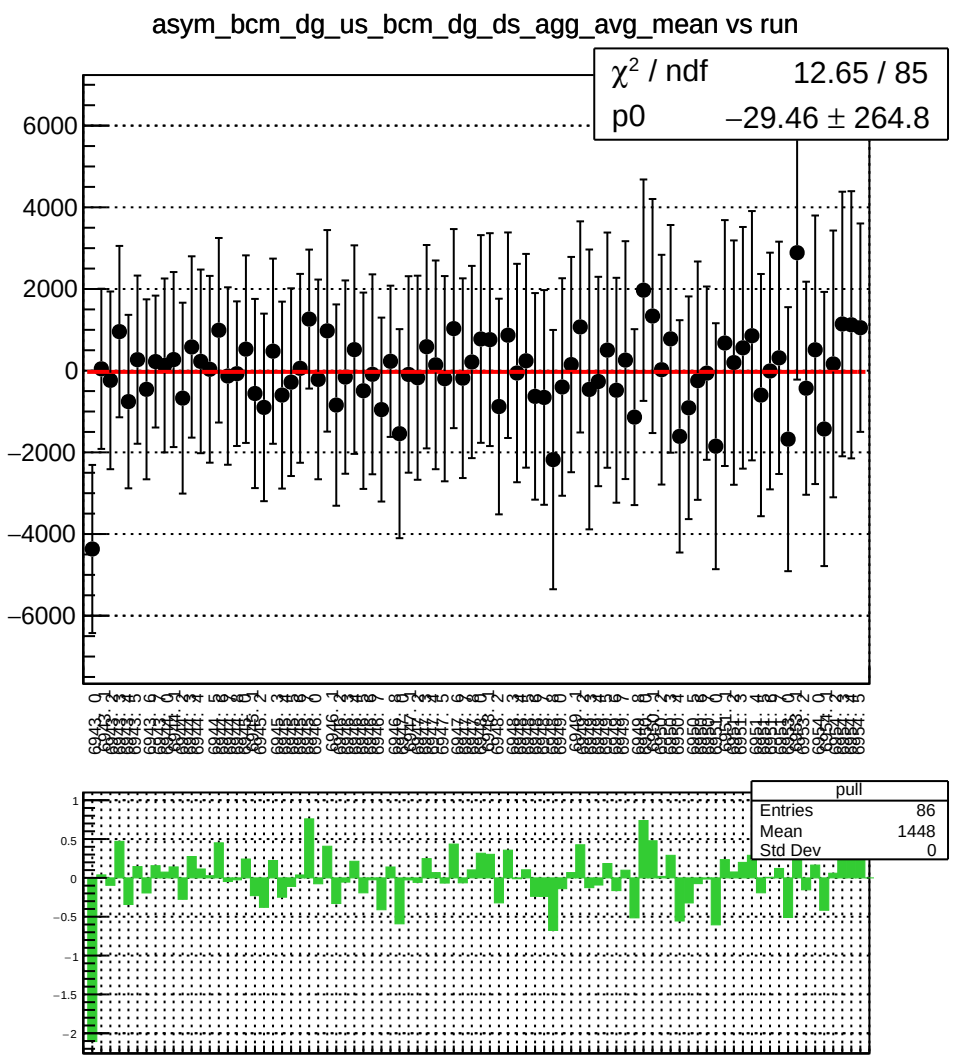

pull1D
Entries 86
Mean −0.001582
Std Dev 0.3703
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

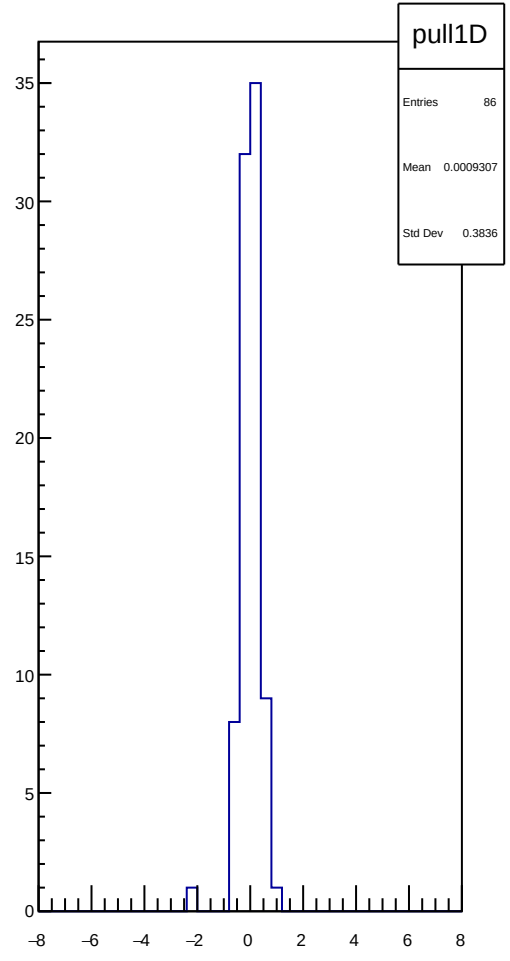

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.024e+04 / 85
p0 237.7 ± 0.1865
340
320
300
280
260
240
220
200
180

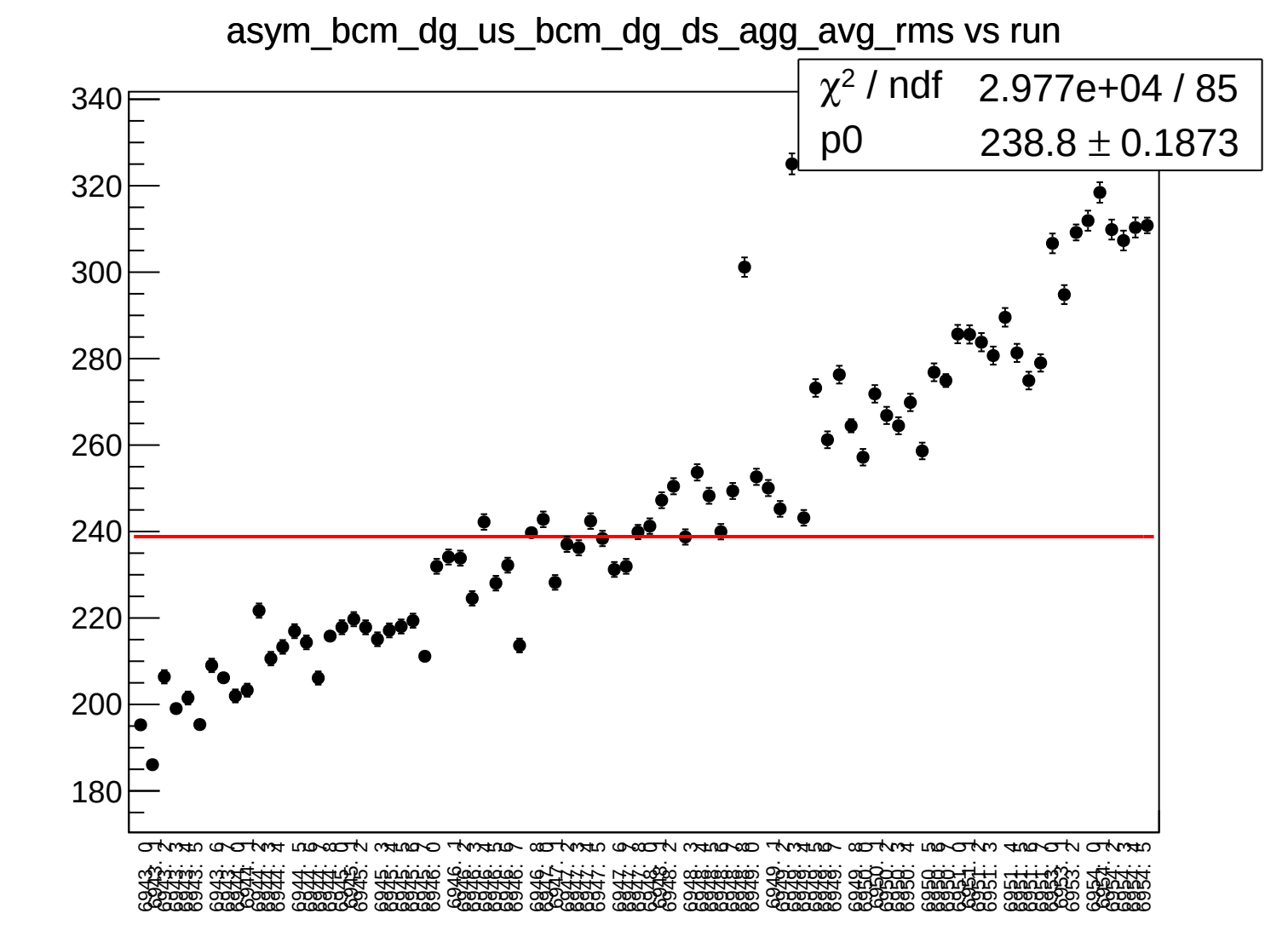

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 69.93 / 85
p0 −19.65 ± 17.79
pull
Entries 86
Mean 247.1
Std Dev 0

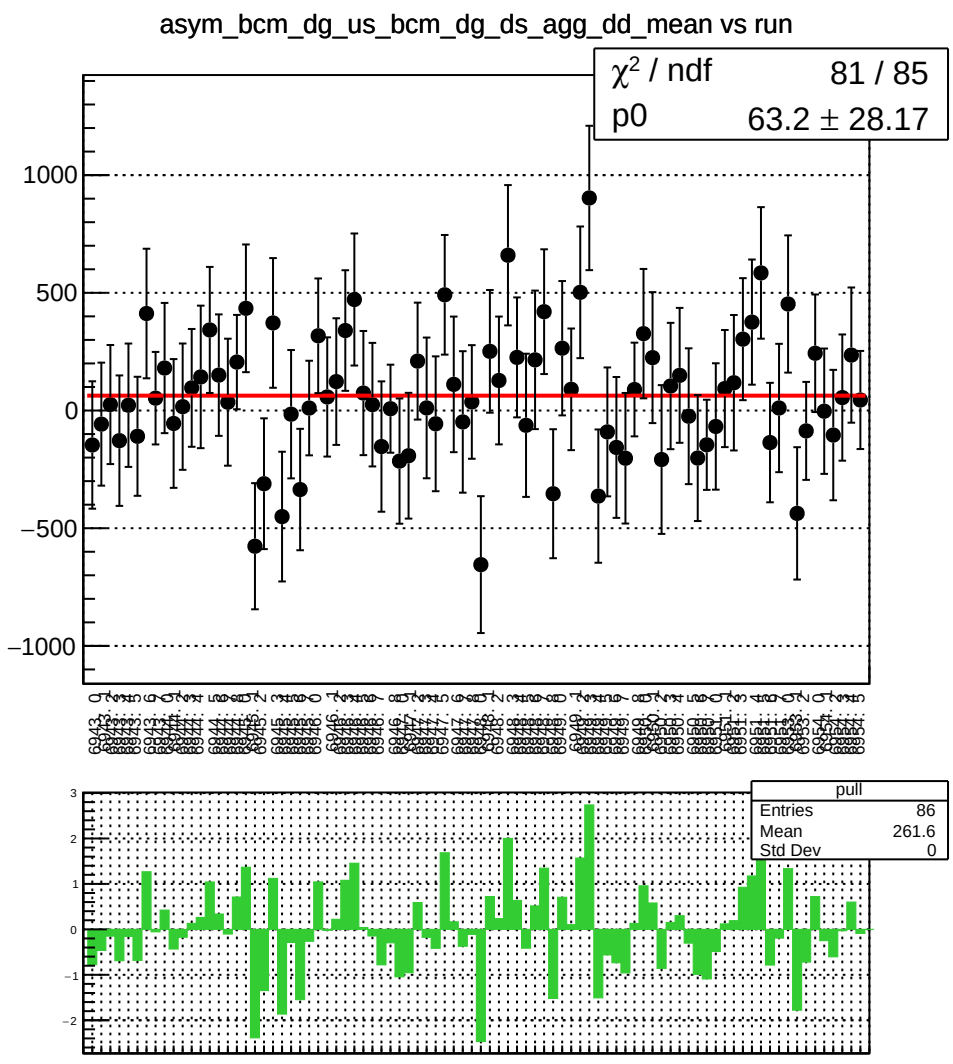

pull1D
Entries 86
Mean 0.005193
Std Dev 0.9017

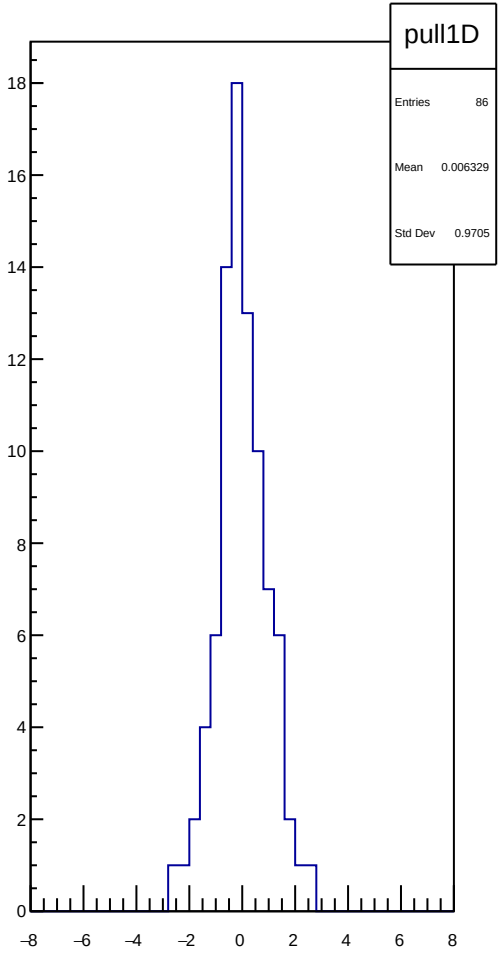

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3561 / 85
p0 16.17 ± 0.01258
18.5
18
17.5
17
16.5
16
15.5
15
14.5

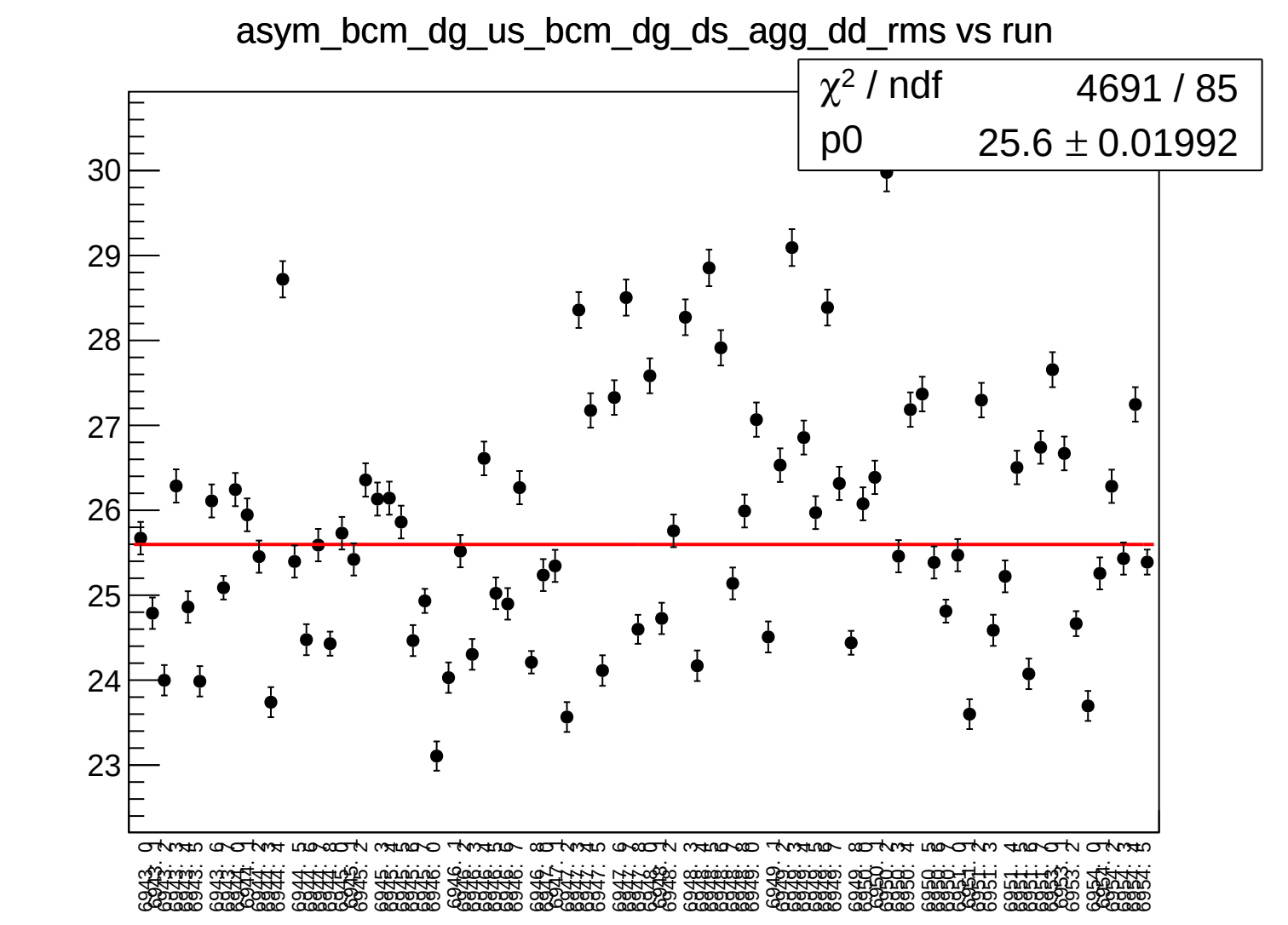

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.65 / 85
p0 −29.46 ± 264.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 1448
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

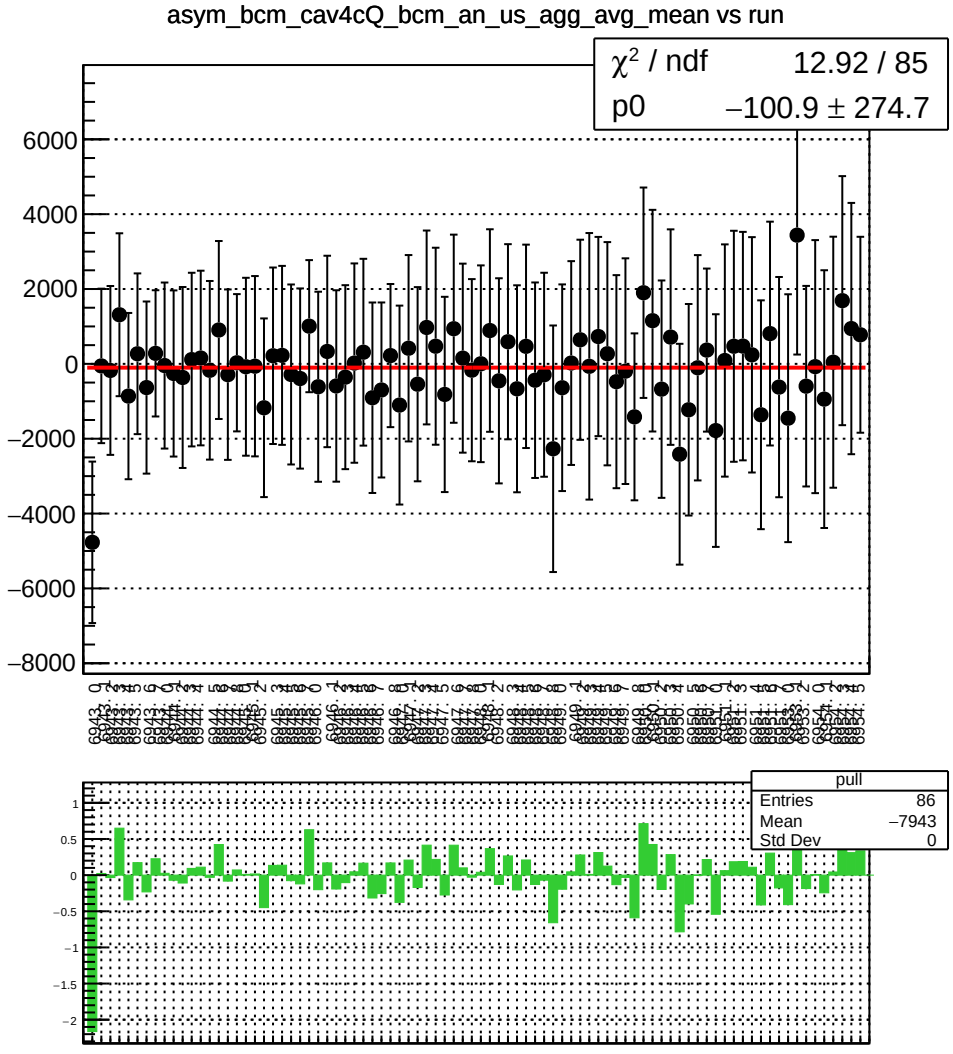

pull1D
Entries 86
Mean 0.0009307
Std Dev 0.3836
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

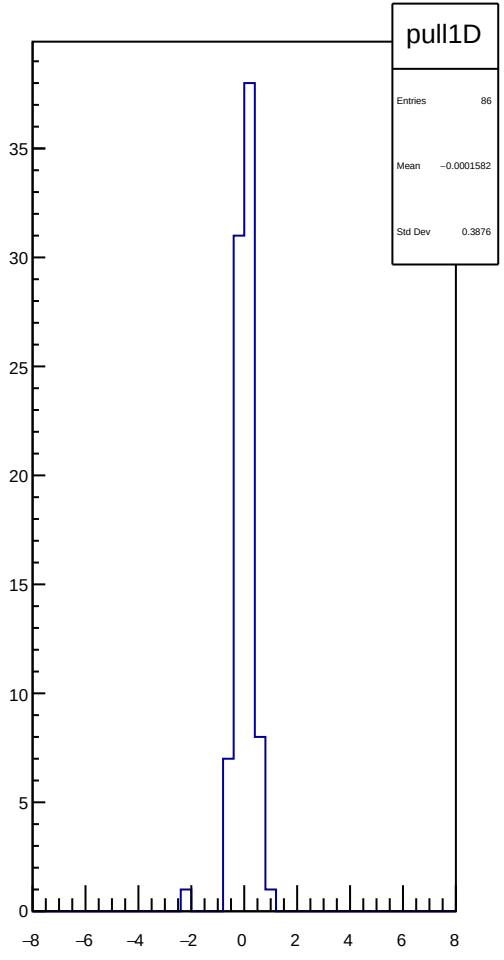

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.977e+04 / 85
p0 238.8 ± 0.1873
340
320
300
280
260
240
220
200
180

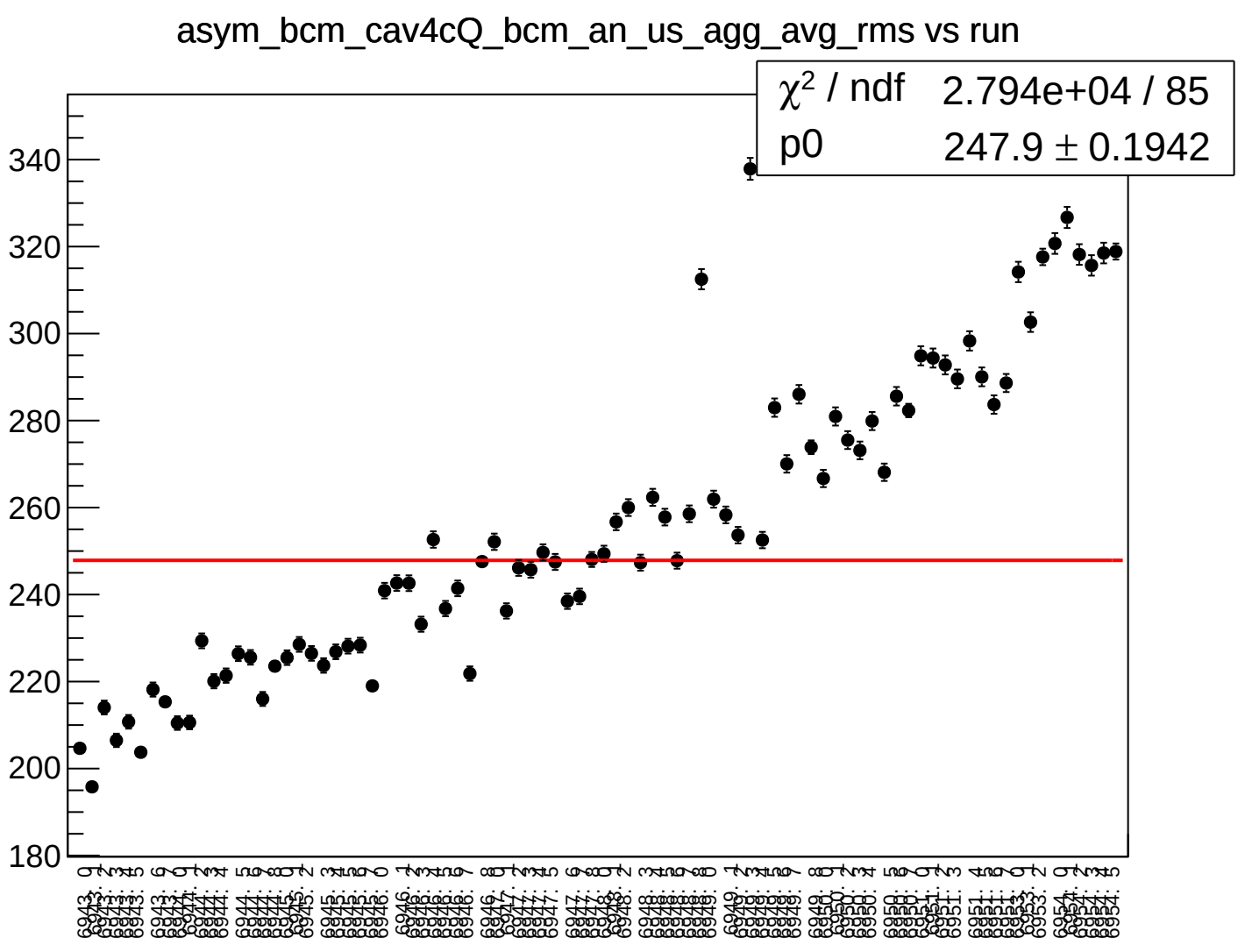

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 81 / 85
p0 63.2 ± 28.17
1000
500
0
−500
−1000
pull
Entries 86
Mean 261.6
Std Dev 0
3
2
1
0
−1
−2

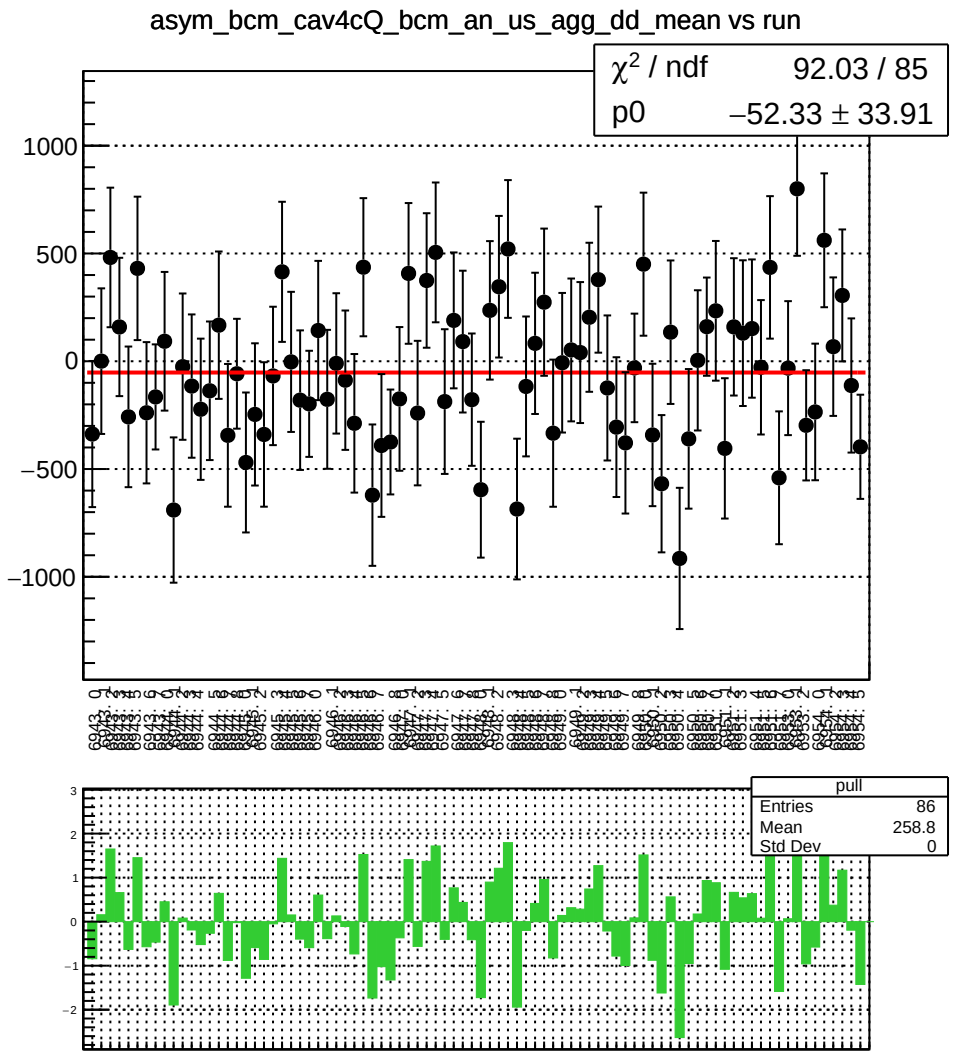

pull1D
Entries 86
Mean 0.006329
Std Dev 0.9705
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

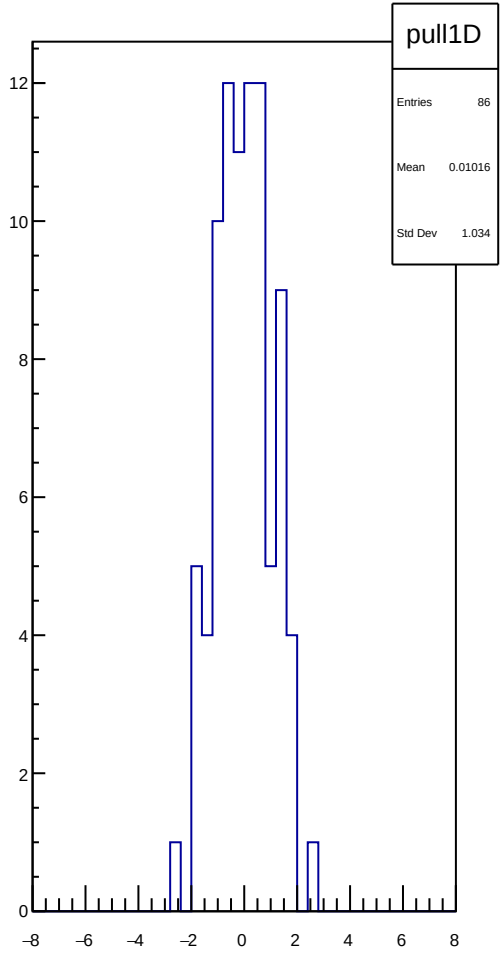

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 4691 / 85
p0 25.6 ± 0.01992
30
29
28
27
26
25
24
23

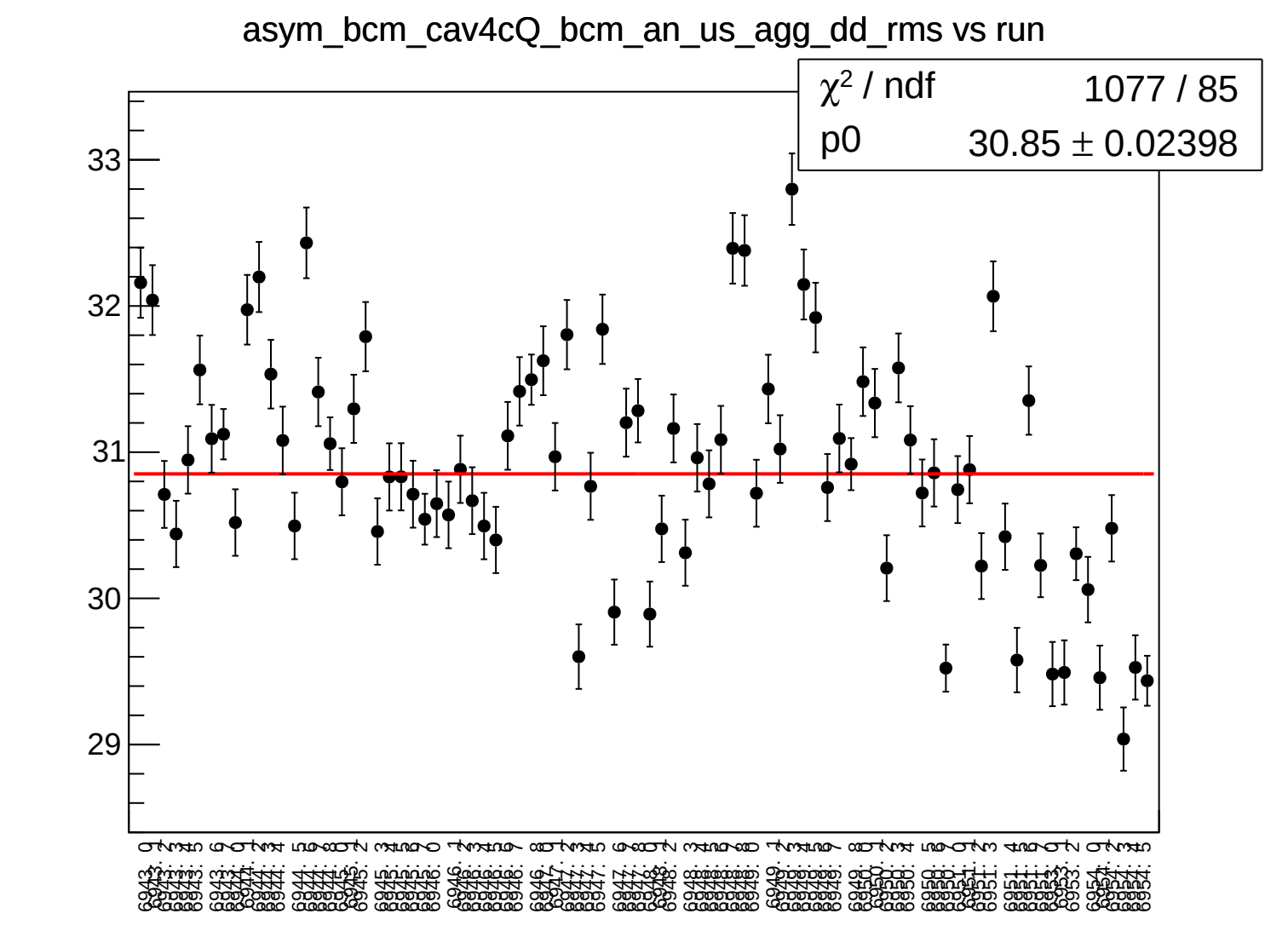

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.92 / 85
p0 −100.9 ± 274.7
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean −7943
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

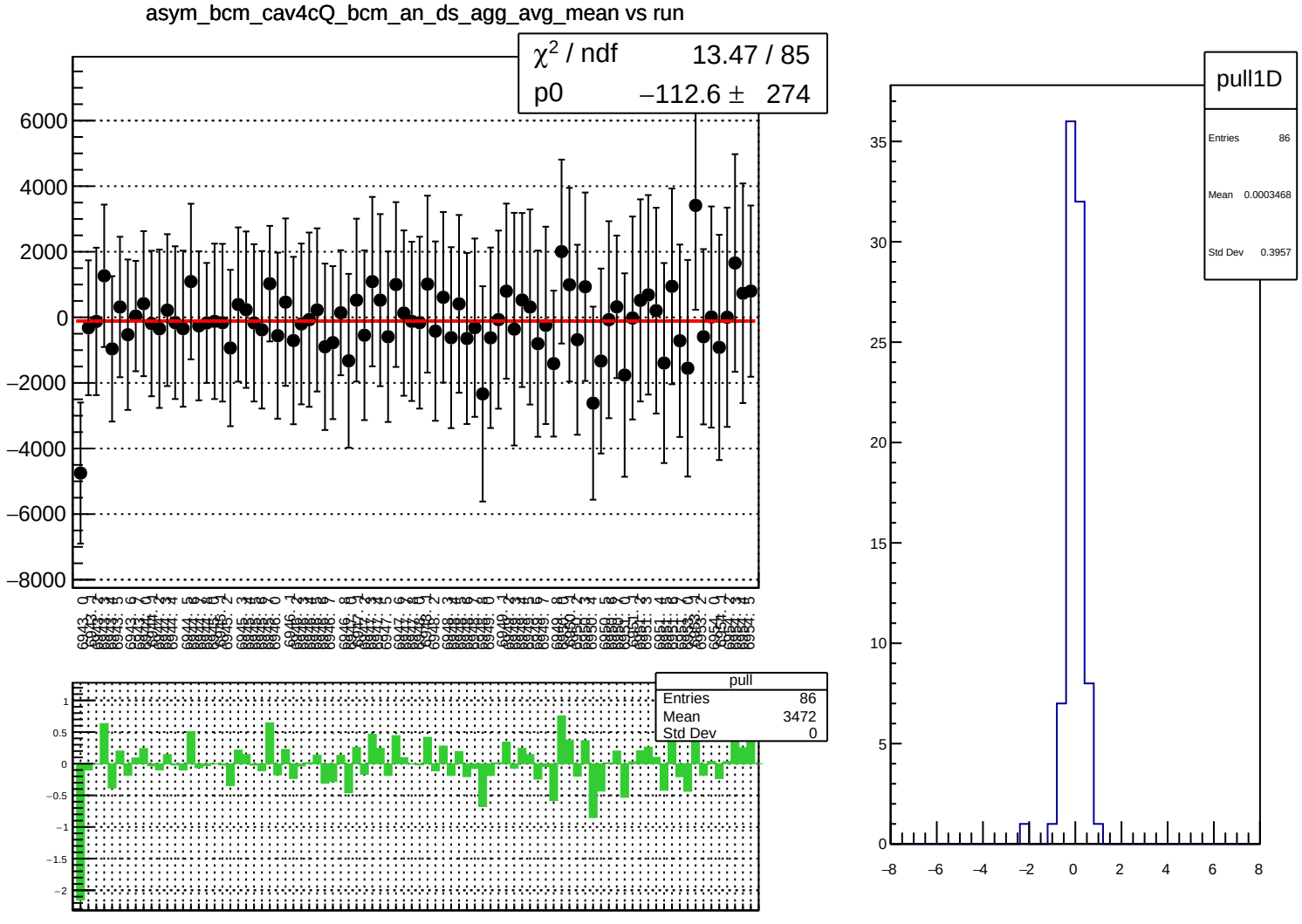

pull1D
Entries 86
Mean −0.0001582
Std Dev 0.3876
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

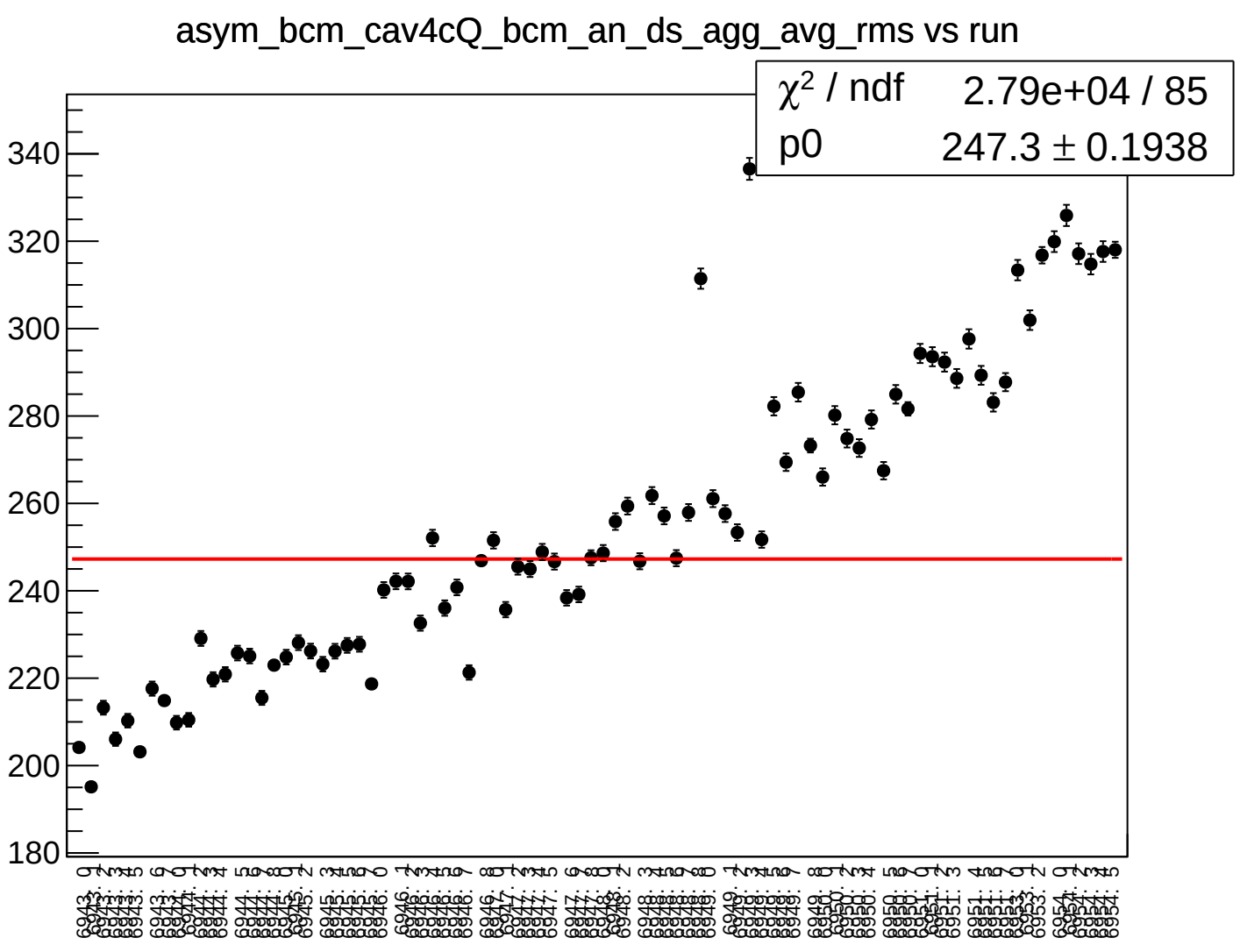

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.794e+04 / 85
p0 247.9 ± 0.1942
340
320
300
280
260
240
220
200
180

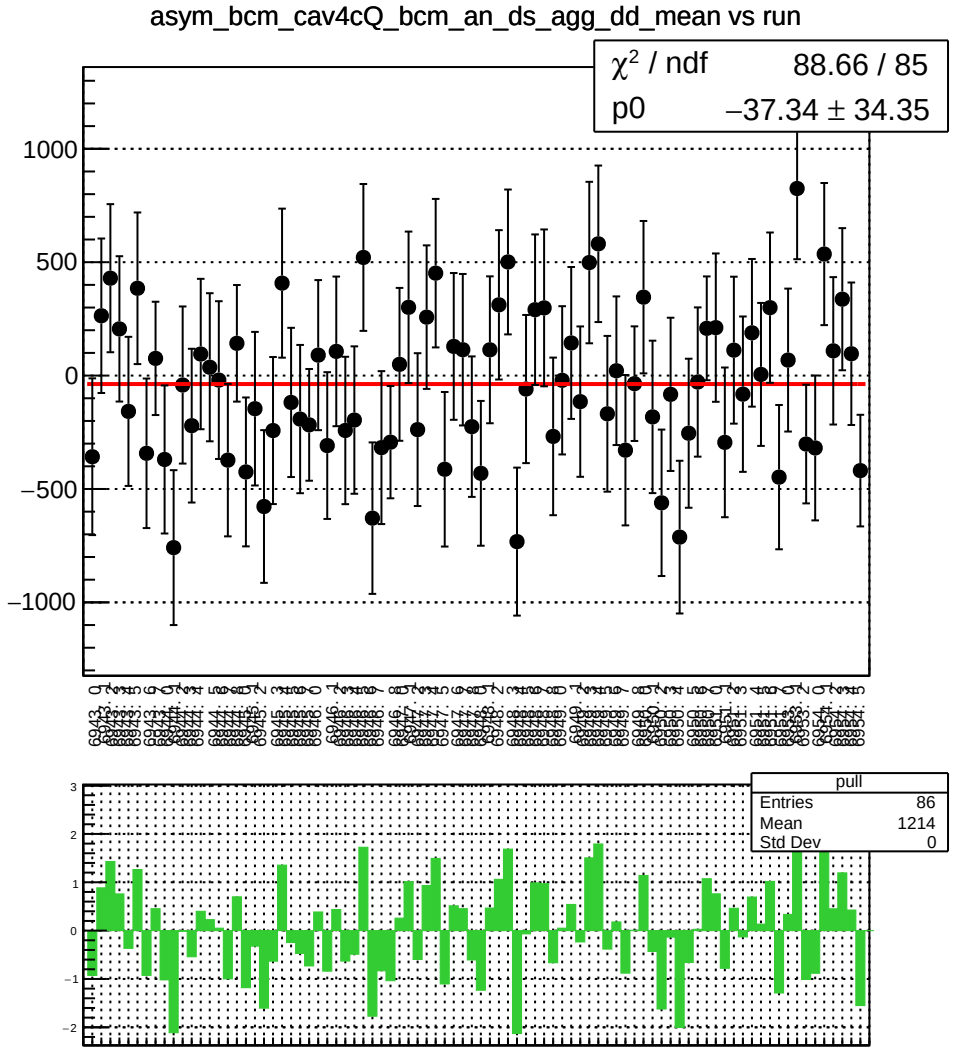

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 92.03 / 85
p0 −52.33 ± 33.91
1000
500
0
−500
−1000
pull
Entries 86
Mean 258.8
Std Dev 0
3
2
1
0
−1
−2

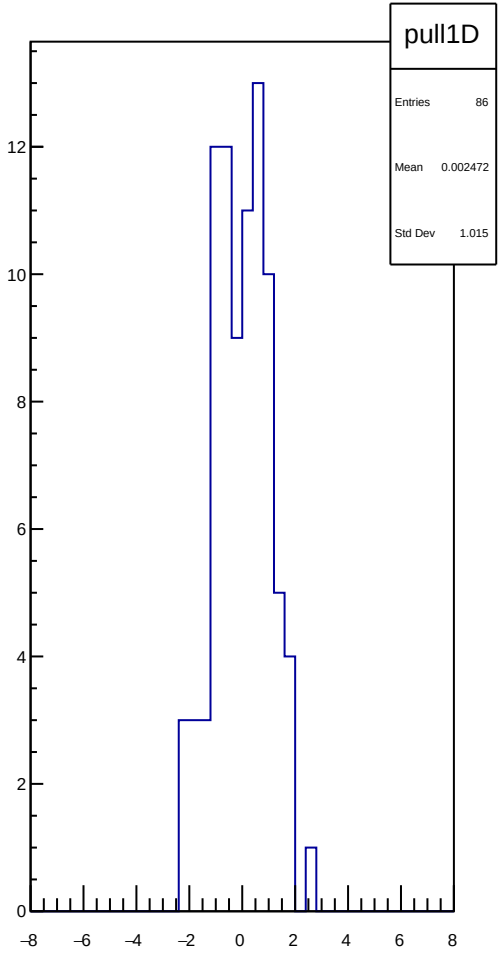

pull1D
Entries 86
Mean 0.01016
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

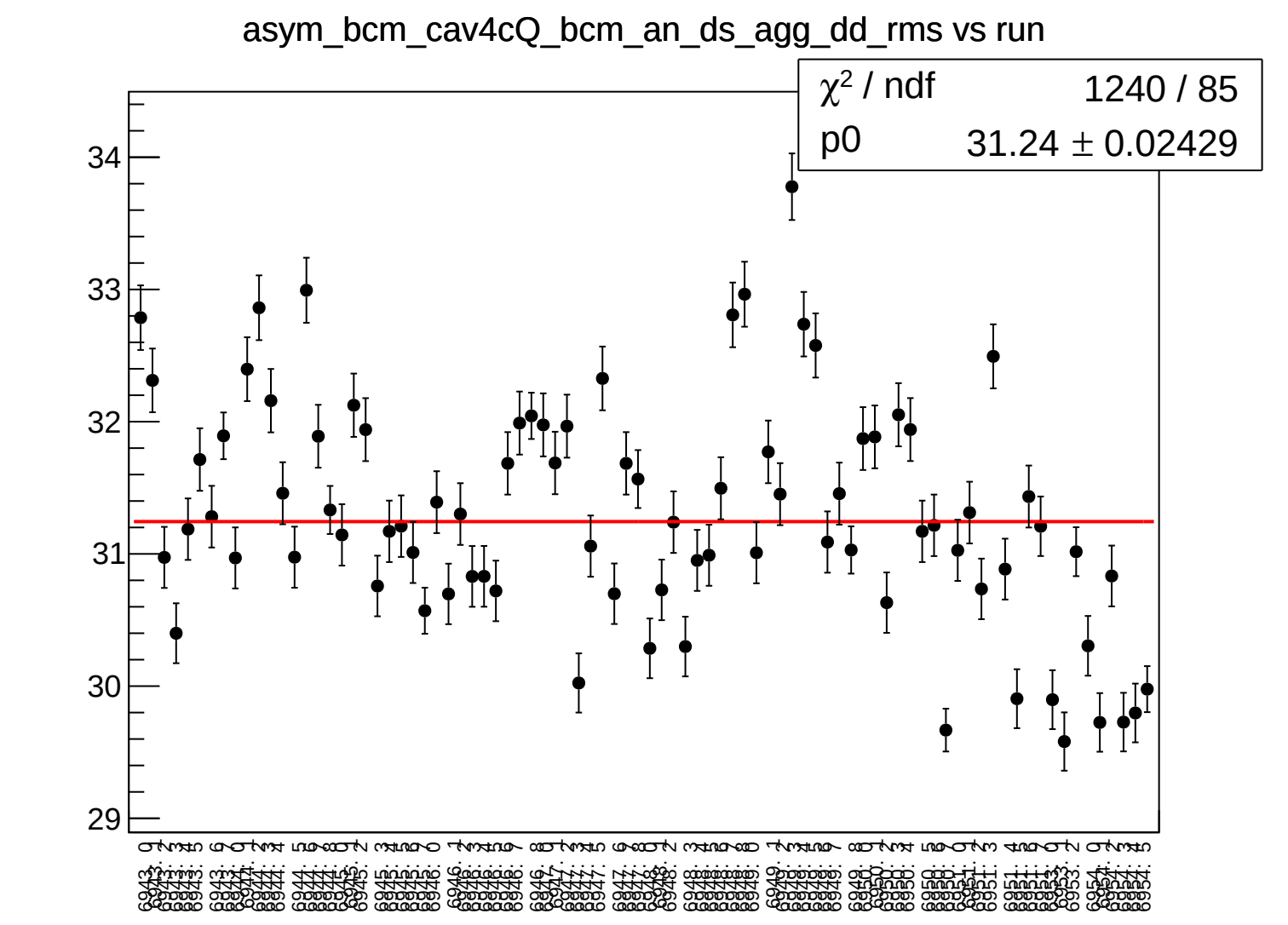

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1077 / 85
p0 30.85 ± 0.02398
33
32
31
30
29

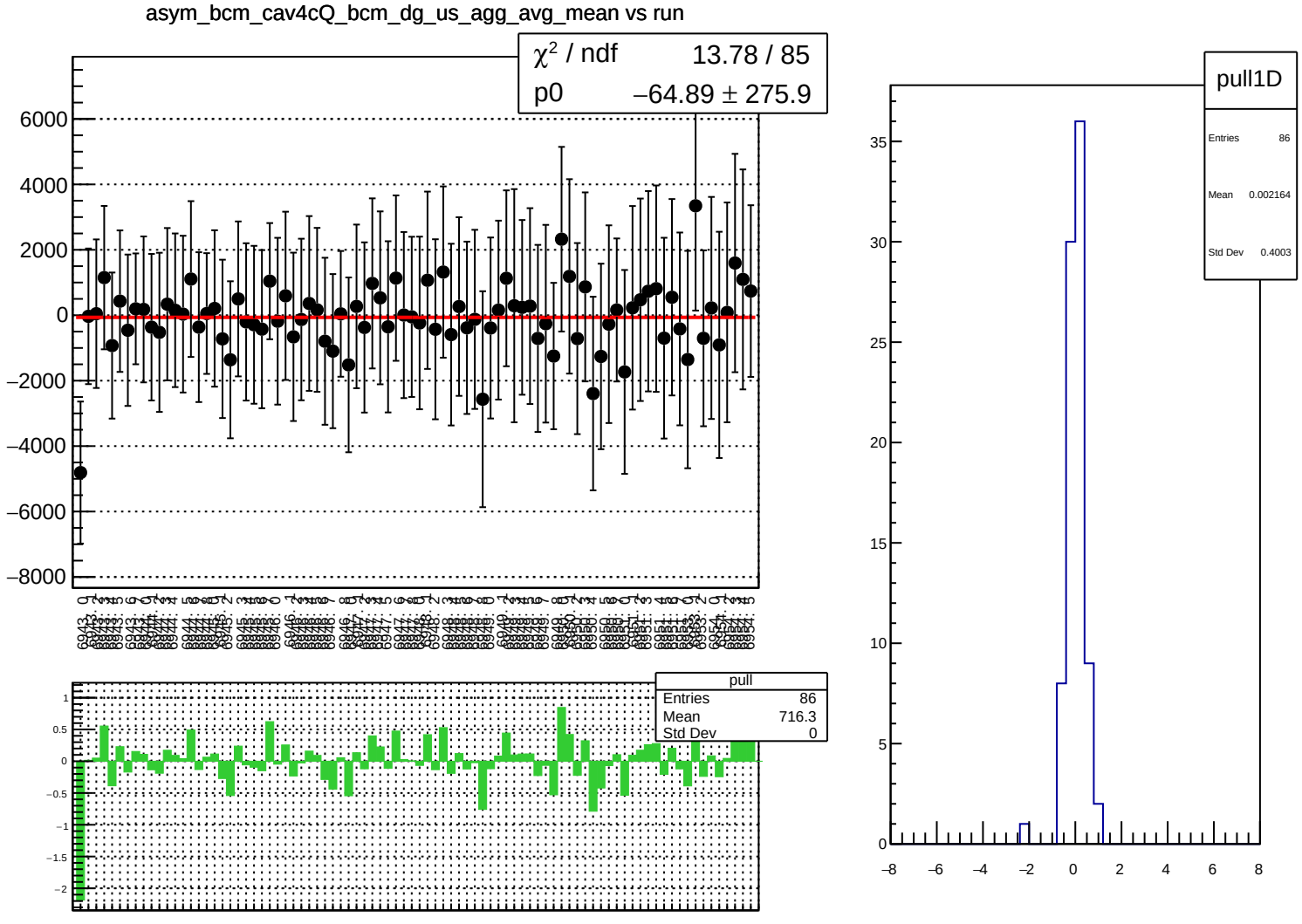

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.47 / 85
p0 −112.6 ± 274
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 3472
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.0003468
Std Dev 0.3957
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

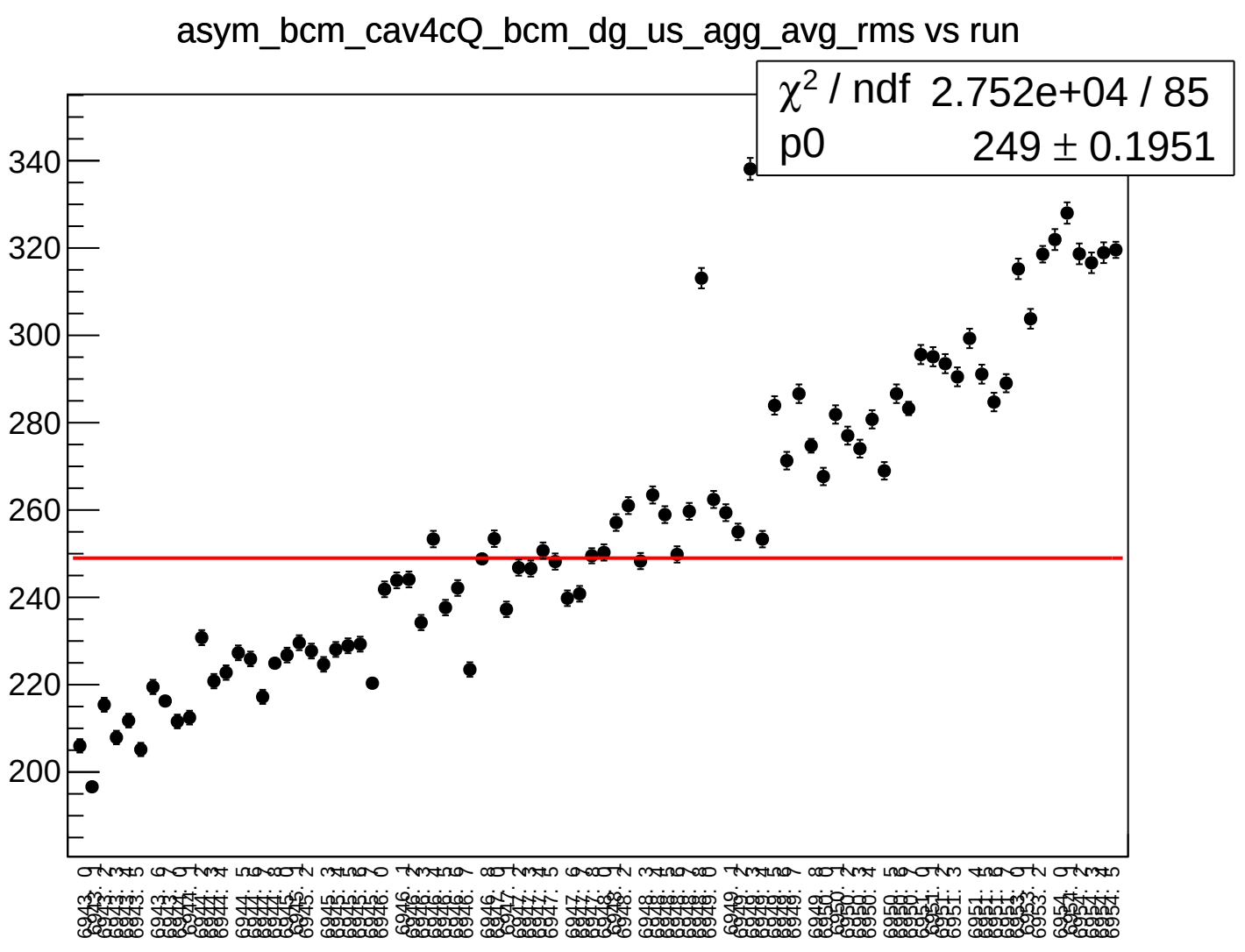

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.79e+04 / 85
p0 247.3 ± 0.1938
340
320
300
280
260
240
220
200
180

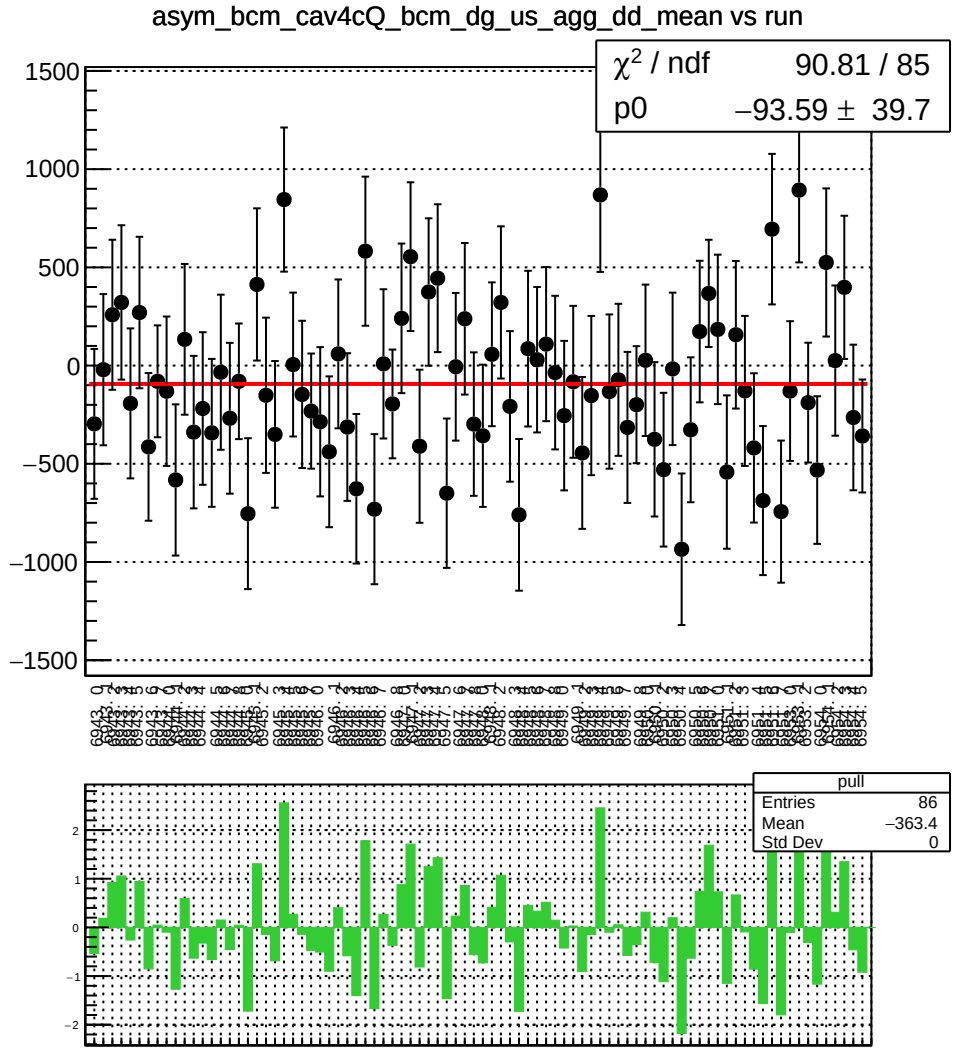

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 88.66 / 85
p0 −37.34 ± 34.35
1000
500
0
−500
−1000
pull
Entries 86
Mean 1214
Std Dev 0
3
2
1
0
−1
−2

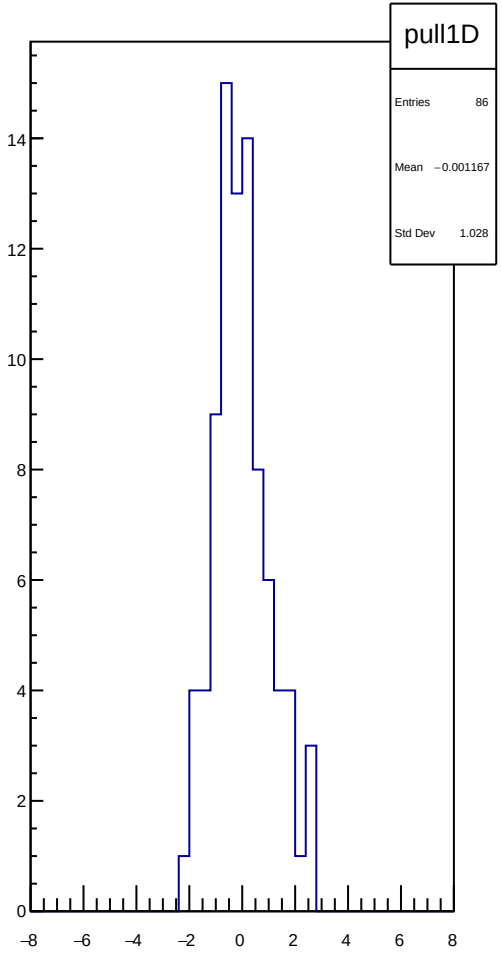

pull1D
Entries 86
Mean 0.002472
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

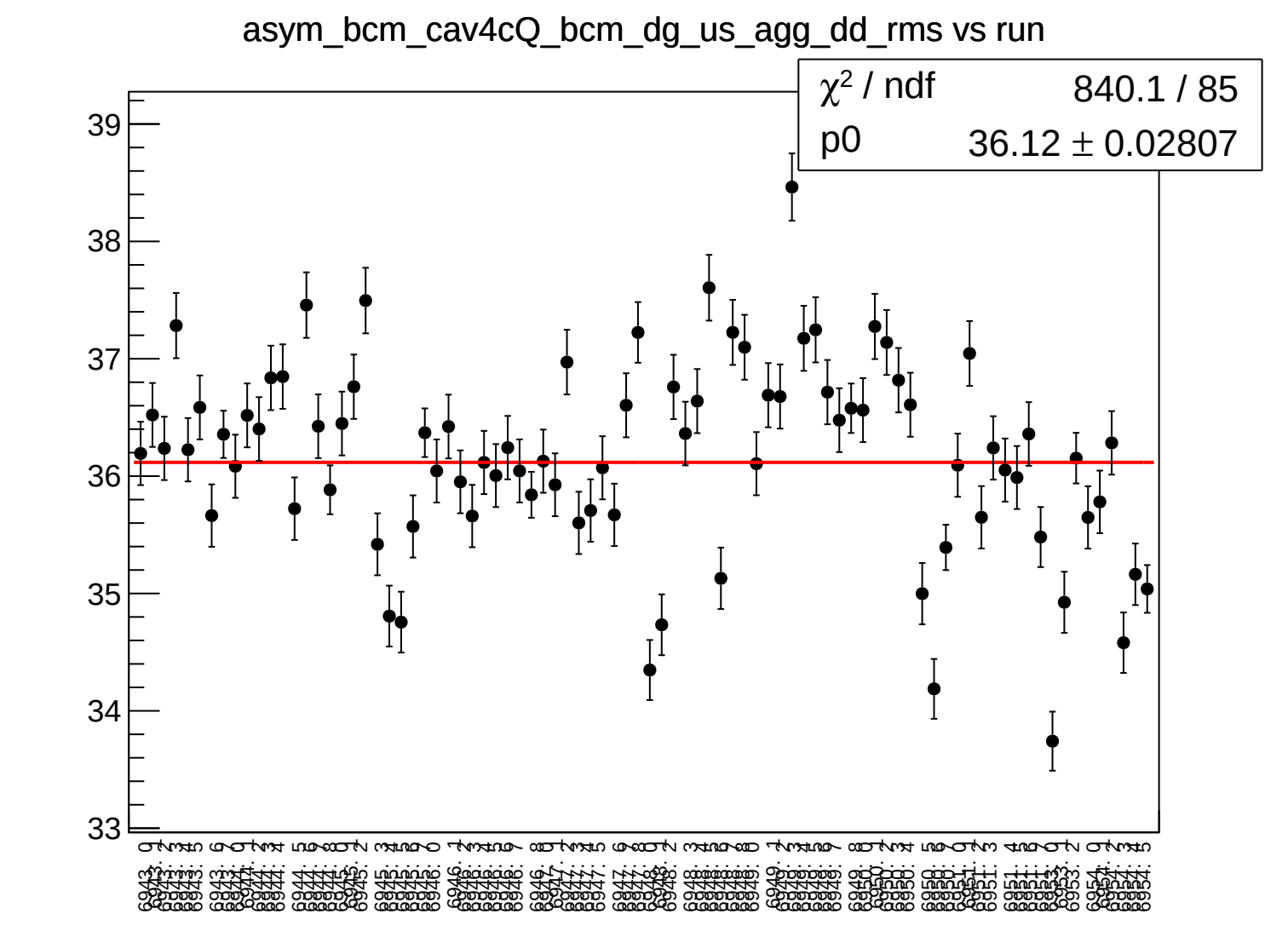

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1240 / 85
p0 31.24 ± 0.02429
34
33
32
31
30
29

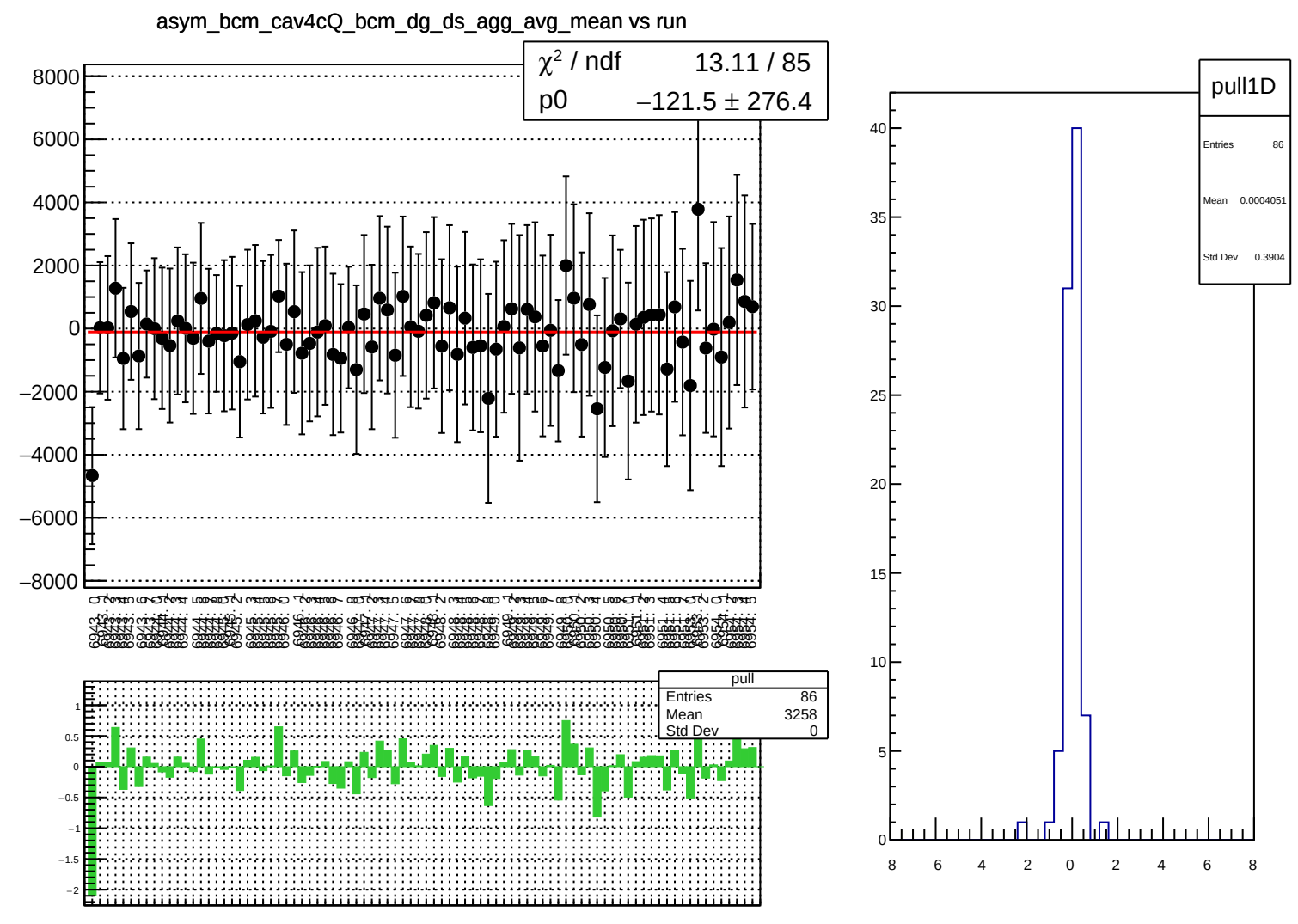

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 13.78 / 85
p0 −64.89 ± 275.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 716.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.002164
Std Dev 0.4003
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

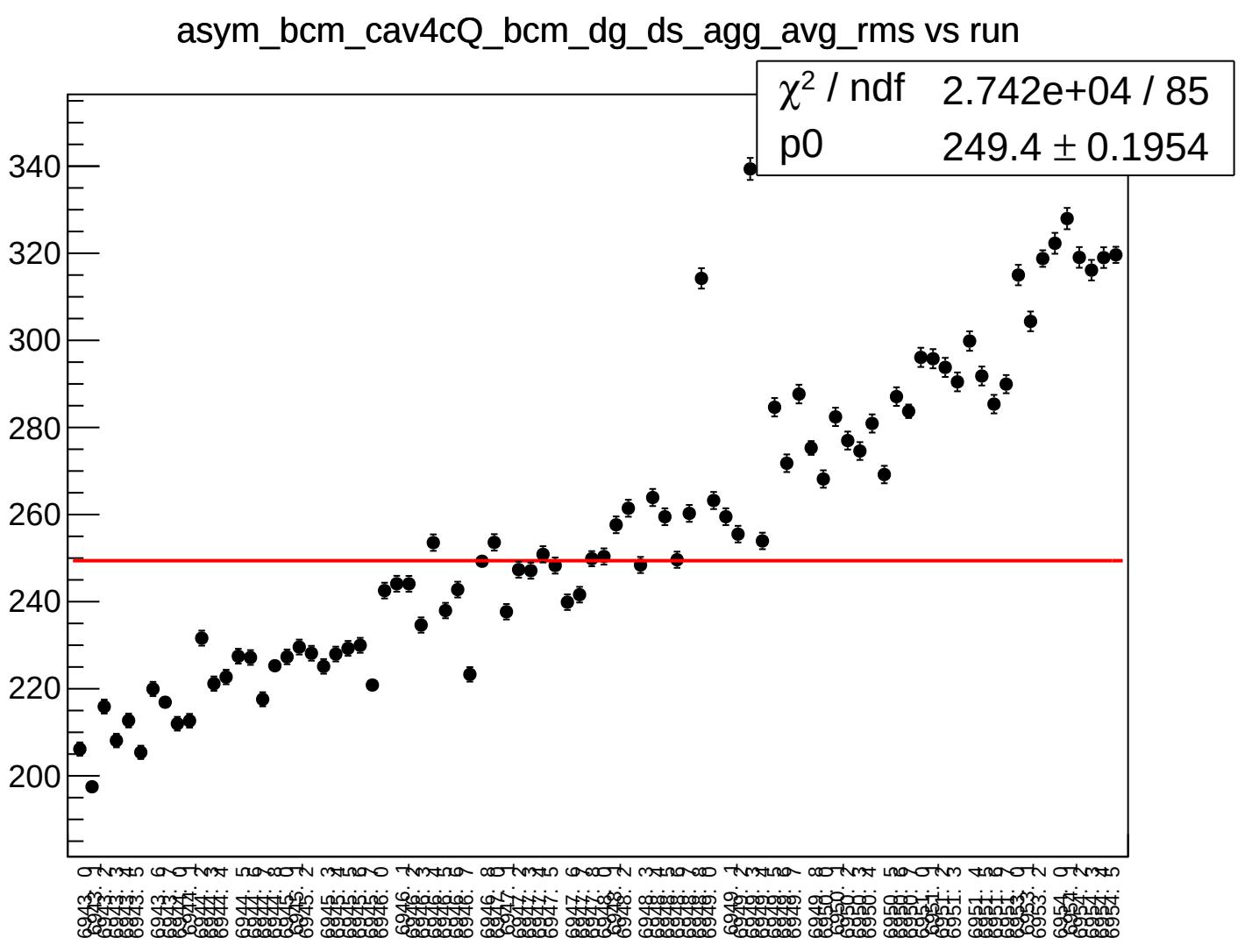

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 2.752e+04 / 85
p0 249 ± 0.1951
340
320
300
280
260
240
220
200

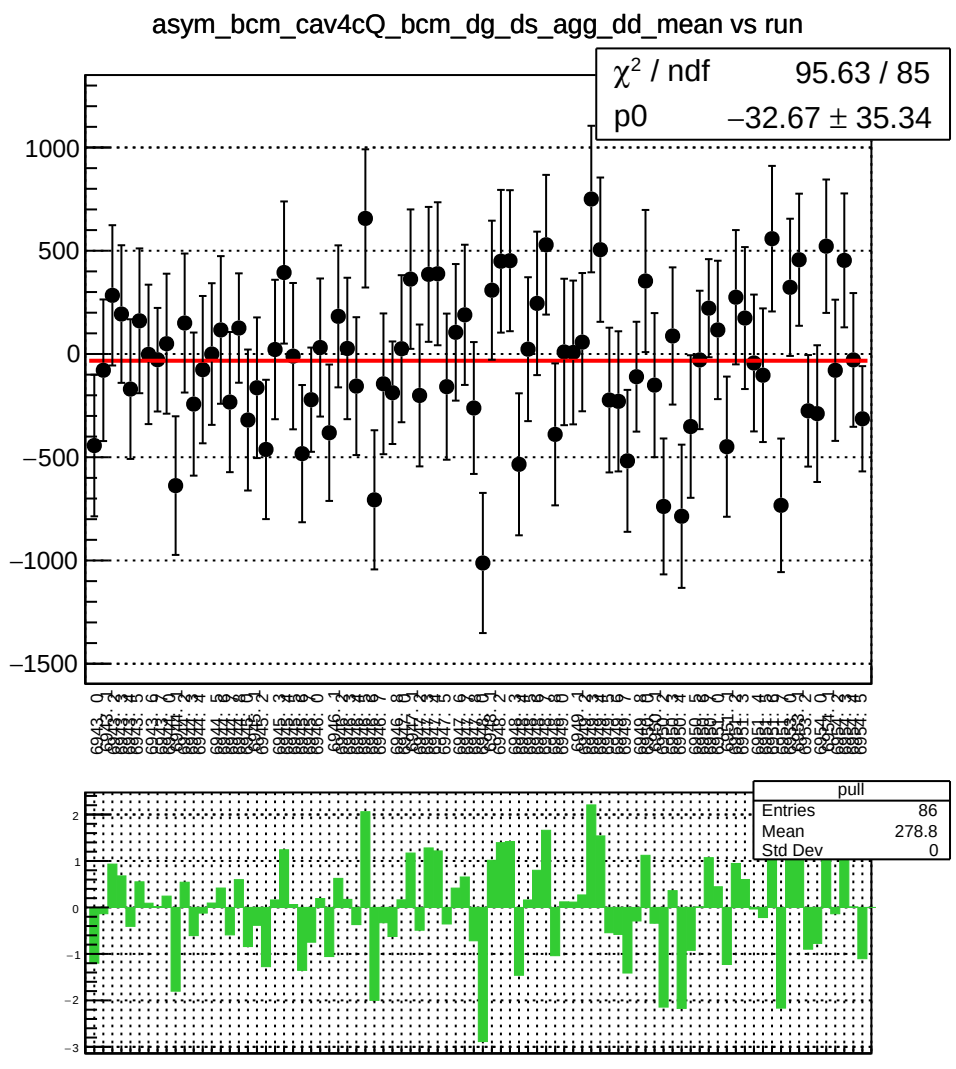

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 90.81 / 85
p0 −93.59 ± 39.7
pull
Entries 86
Mean −363.4
Std Dev 0

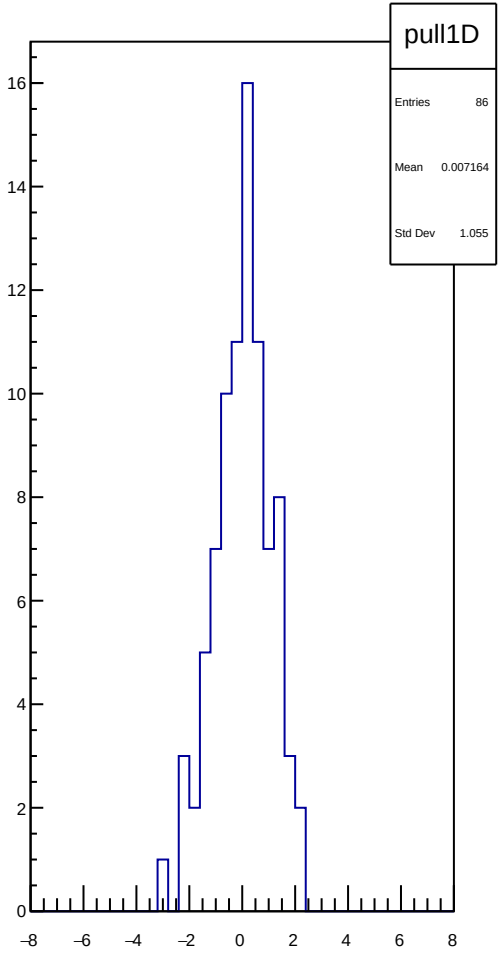

pull1D
Entries 86
Mean −0.001167
Std Dev 1.028

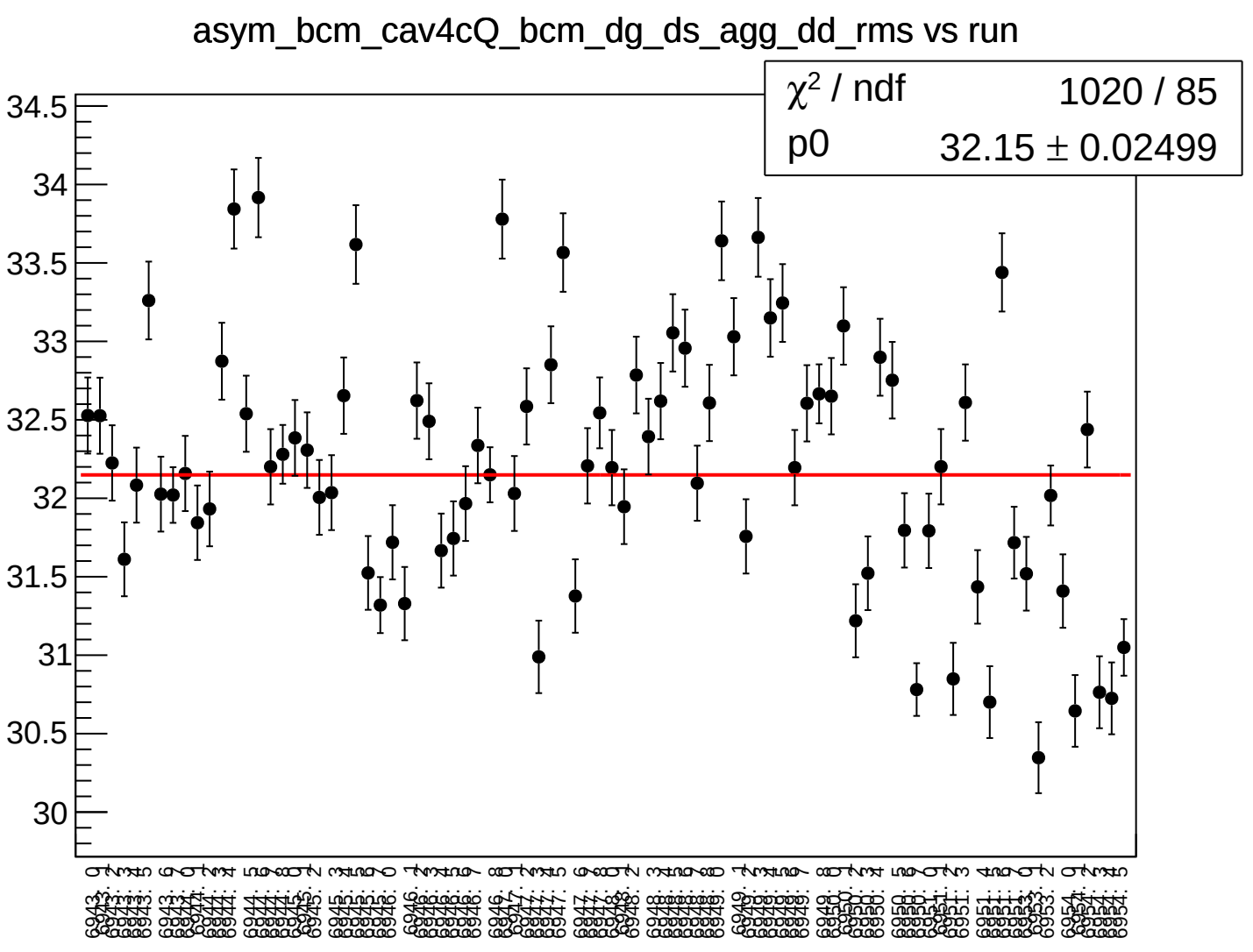

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 840.1 / 85
p0 36.12 ± 0.02807
39
38
37
36
35
34
33

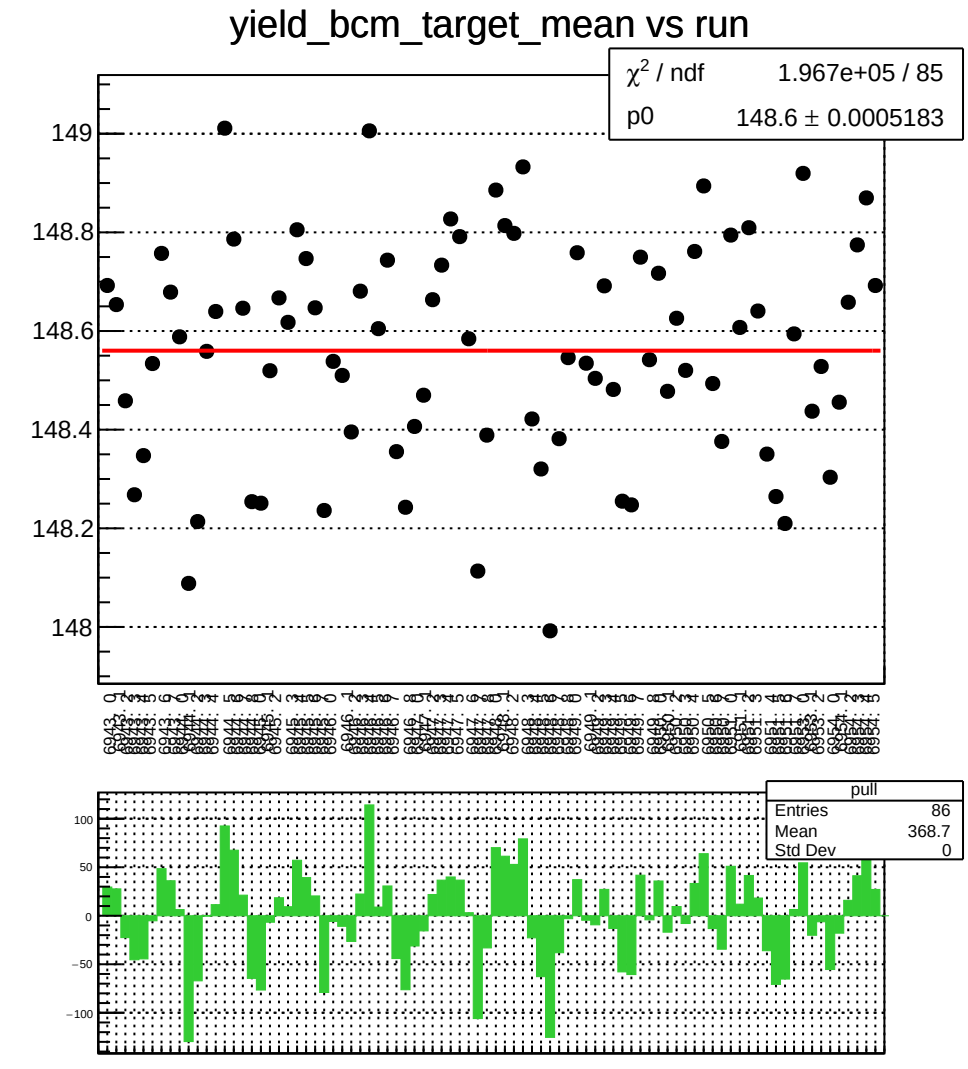

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.11 / 85
p0 −121.5 ± 276.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 3258
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.0004051
Std Dev 0.3904
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

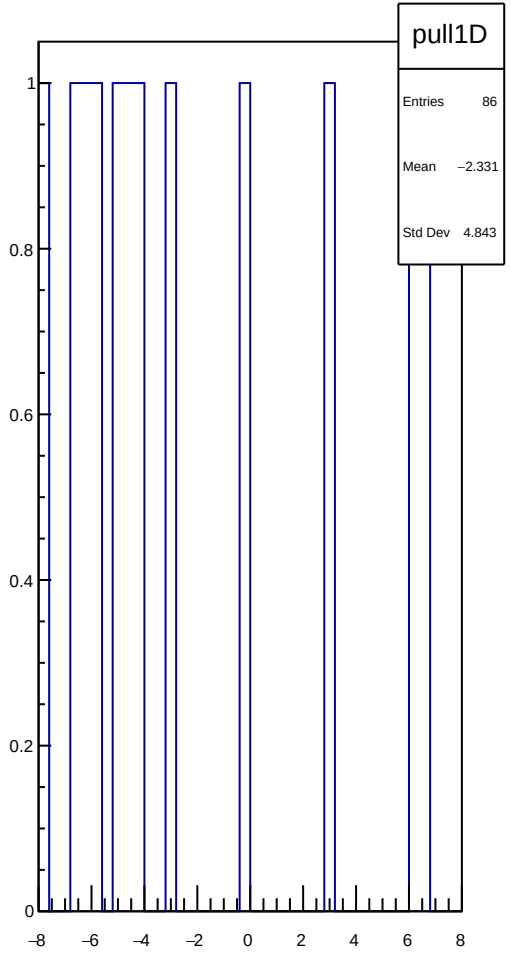

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.742e+04 / 85
p0 249.4 ± 0.1954
340
320
300
280
260
240
220
200

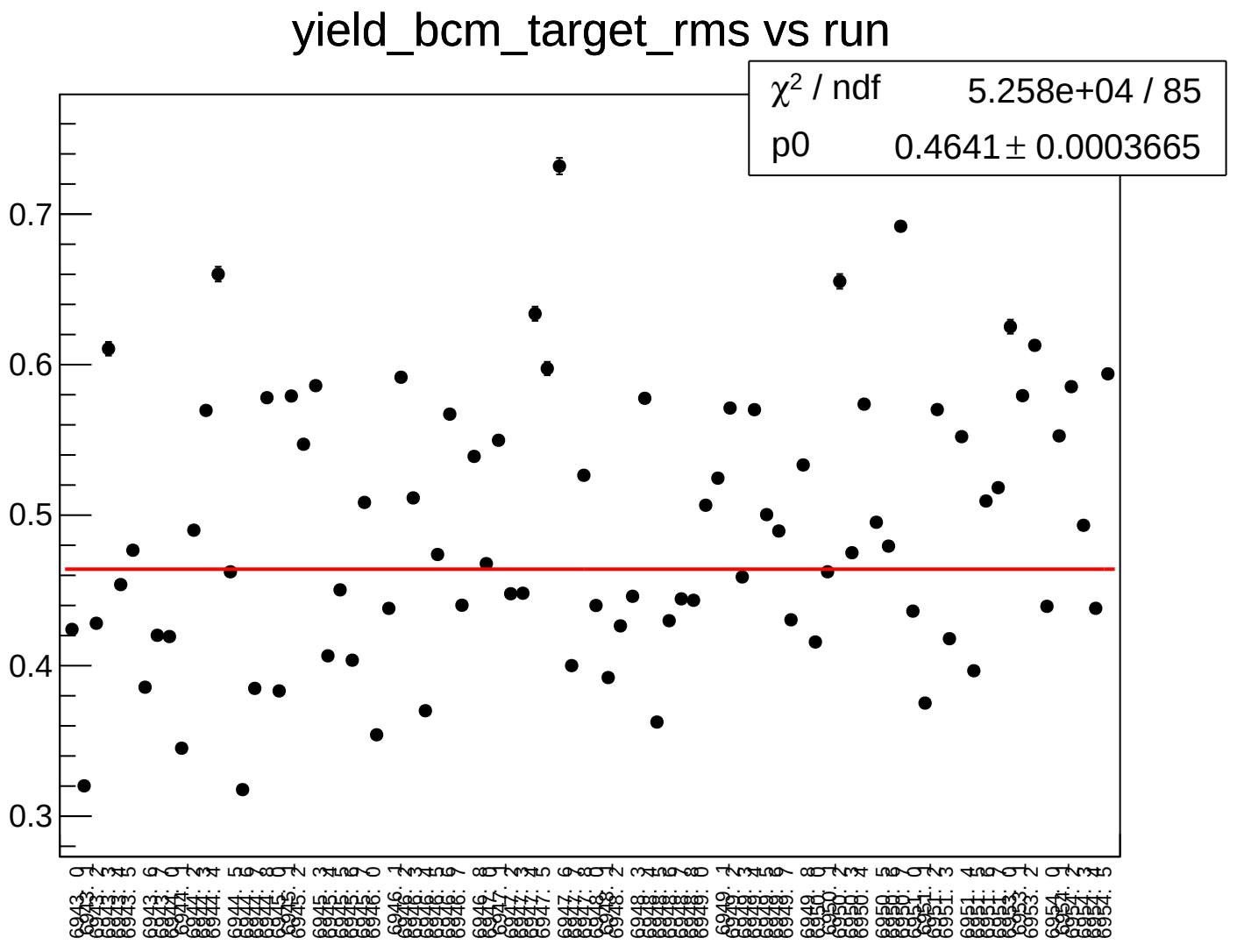

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 95.63 / 85
p0 −32.67 ± 35.34
1000
500
0
−500
−1000
−1500
pull
Entries 86
Mean 278.8
Std Dev 0
2
1
0
−1
−2
−3

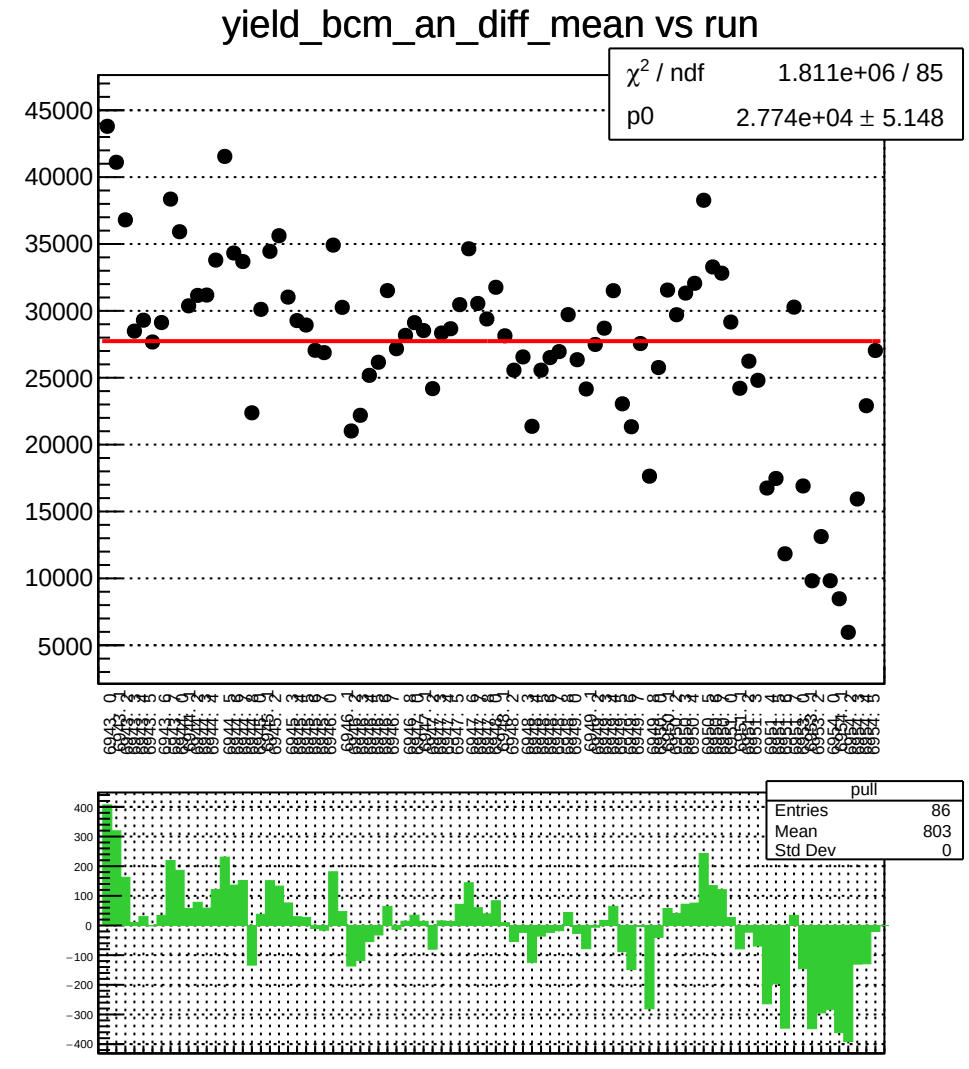

pull1D
Entries 86
Mean 0.007164
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

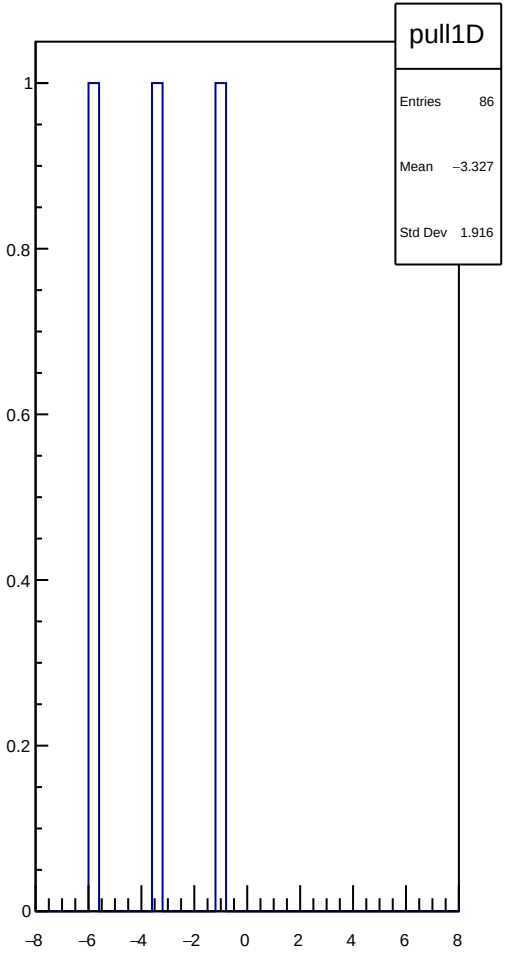

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1020 / 85
p0 32.15 ± 0.02499
34.5
34
33.5
33
32.5
32
31.5
31
30.5
30

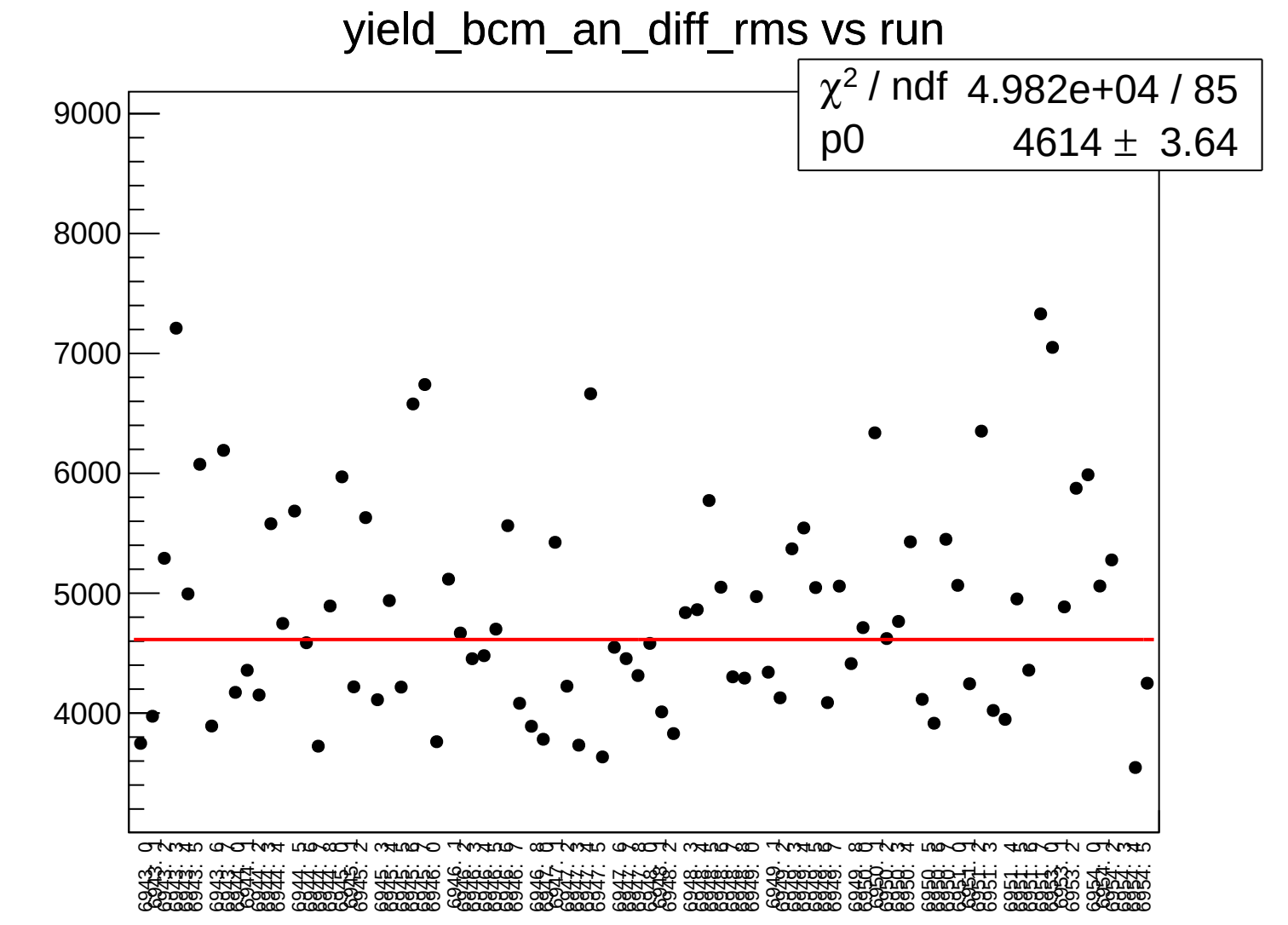

yield_bcm_target_mean vs run
χ² / ndf 1.967e+05 / 85
p0 148.6 ± 0.0005183
149
148.8
148.6
148.4
148.2
148
pull
Entries 86
Mean 368.7
Std Dev 0
100
50
0
−50
−100

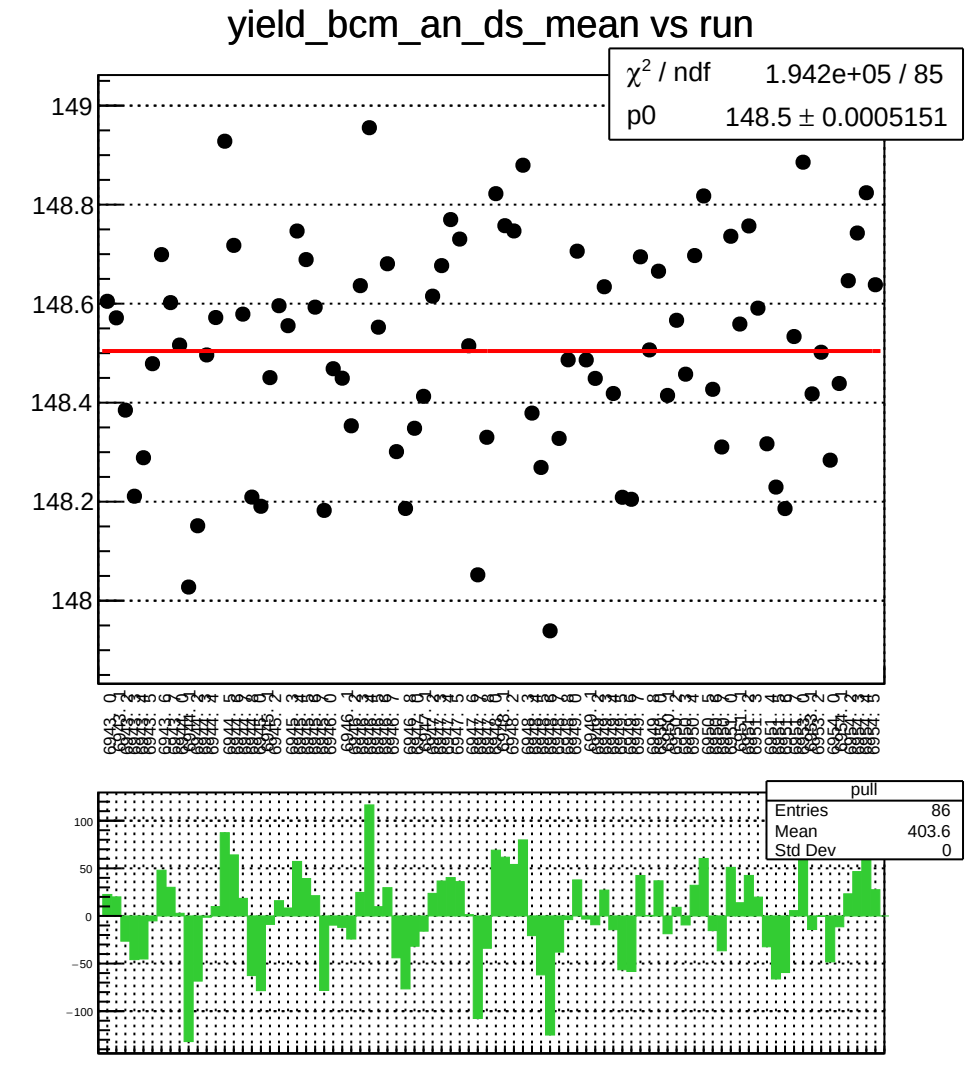

pull1D
Entries 86
Mean −2.331
Std Dev 4.843
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

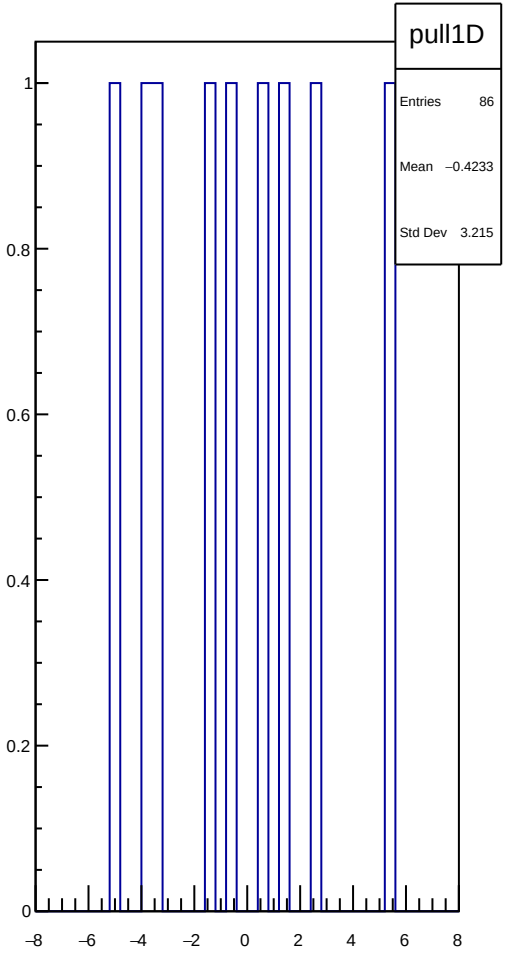

yield_bcm_target_rms vs run
χ² / ndf 5.258e+04 / 85
p0 0.4641 ± 0.0003665
0.7
0.6
0.5
0.4
0.3

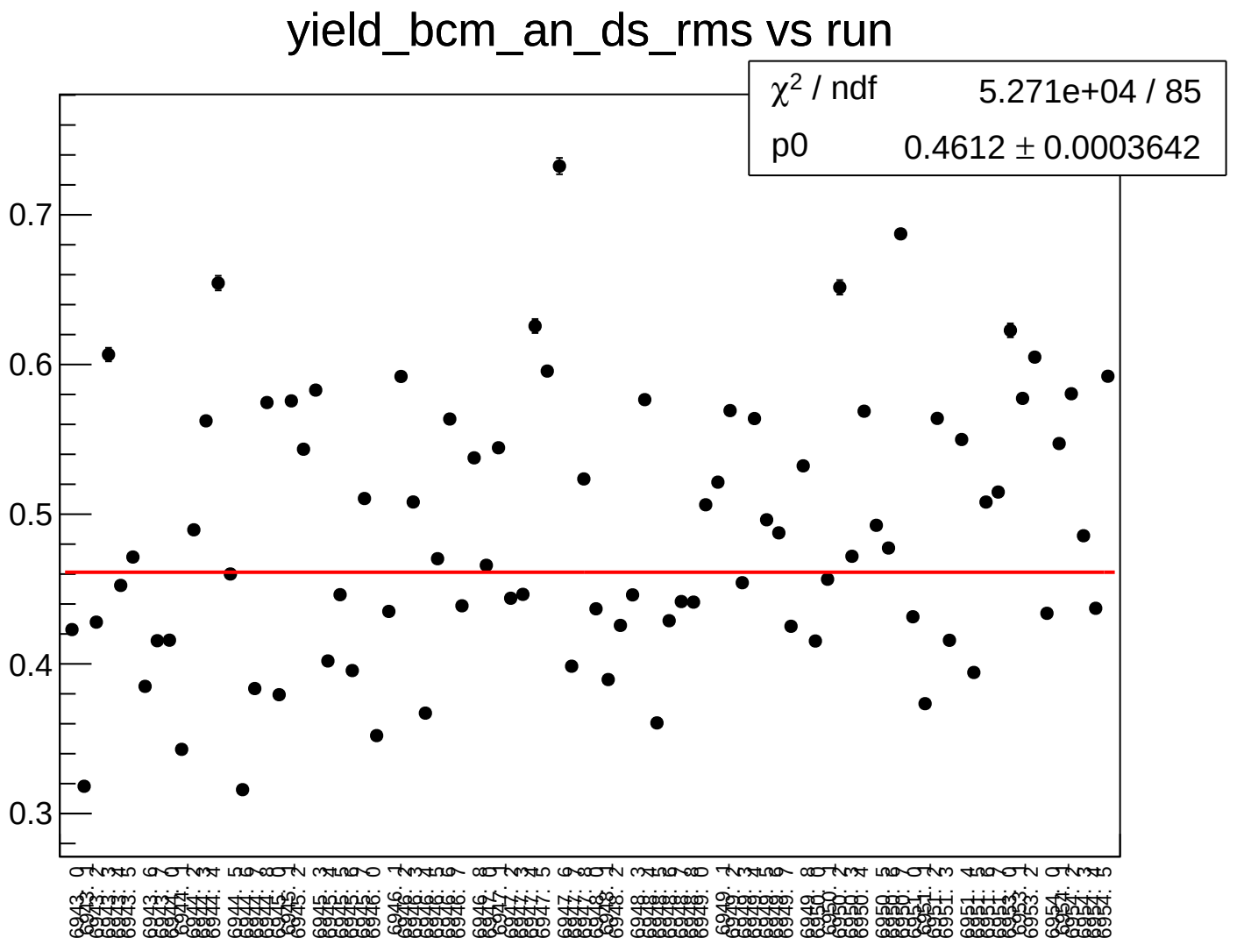

yield_bcm_an_diff_mean vs run
χ² / ndf 1.811e+06 / 85
p0 2.774e+04 ± 5.148
45000
40000
35000
30000
25000
20000
15000
10000
5000
pull
Entries 86
Mean 803
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

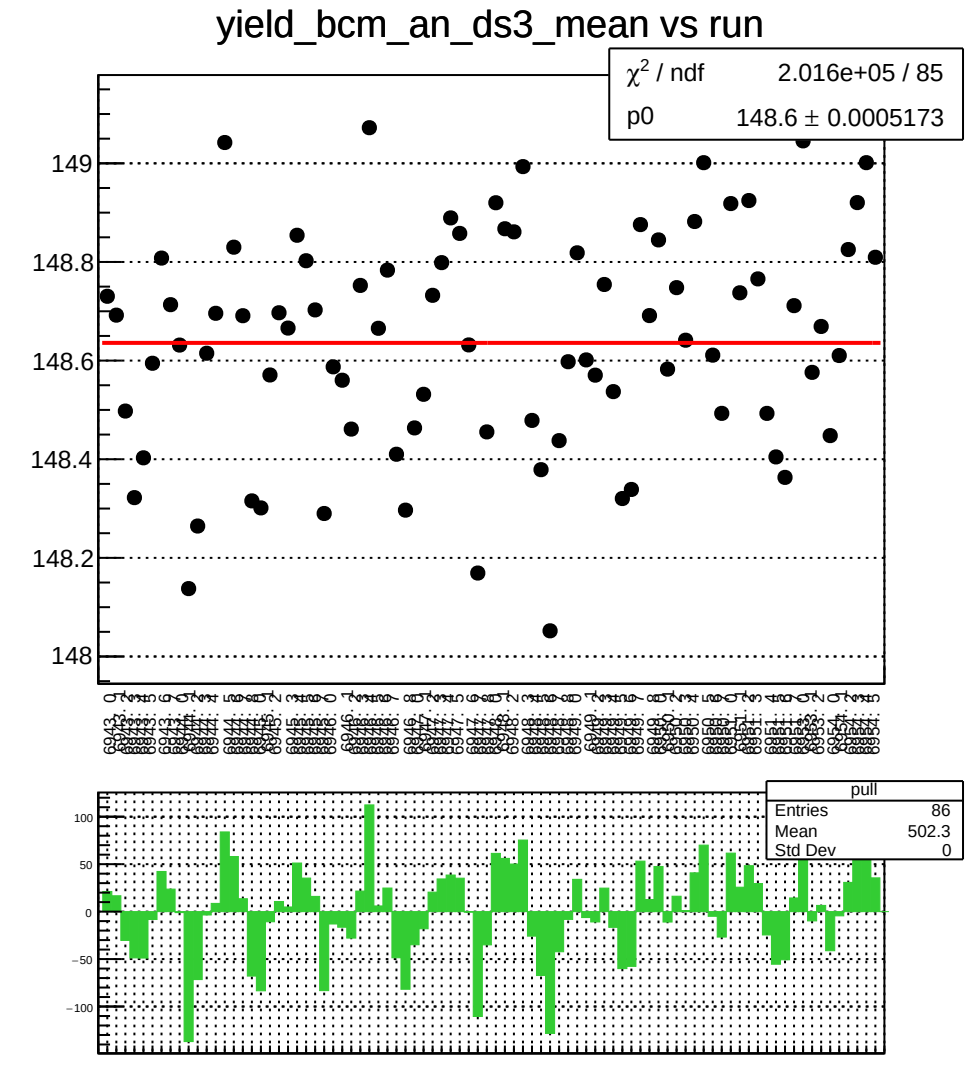

pull1D
Entries 86
Mean −3.327
Std Dev 1.916
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

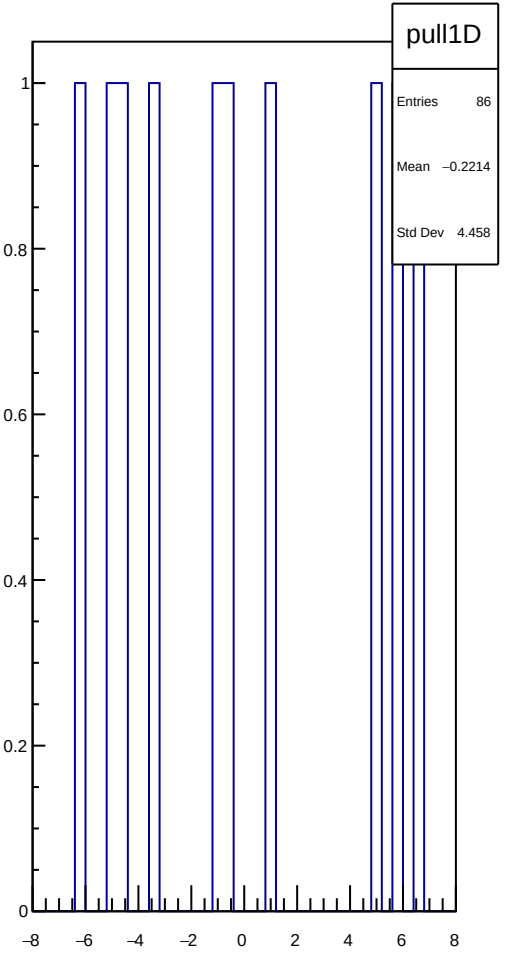

yield_bcm_an_diff_rms vs run
χ² / ndf 4.982e+04 / 85
p0 4614 ± 3.64
9000
8000
7000
6000
5000
4000

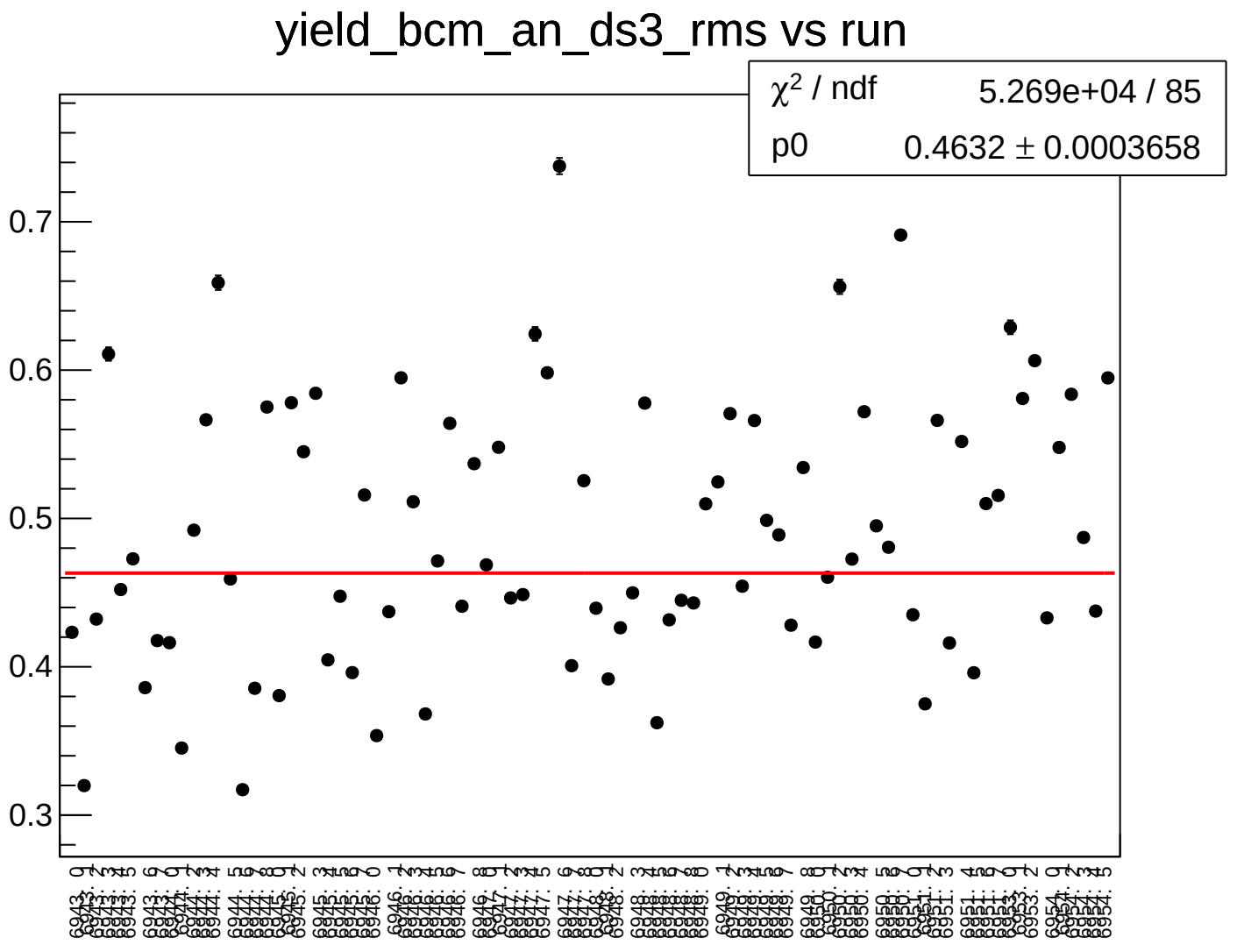

yield_bcm_an_ds_mean vs run
χ² / ndf 1.942e+05 / 85
p0 148.5 ± 0.0005151
149
148.8
148.6
148.4
148.2
148
pull
Entries 86
Mean 403.6
Std Dev 0
100
50
0
−50
−100

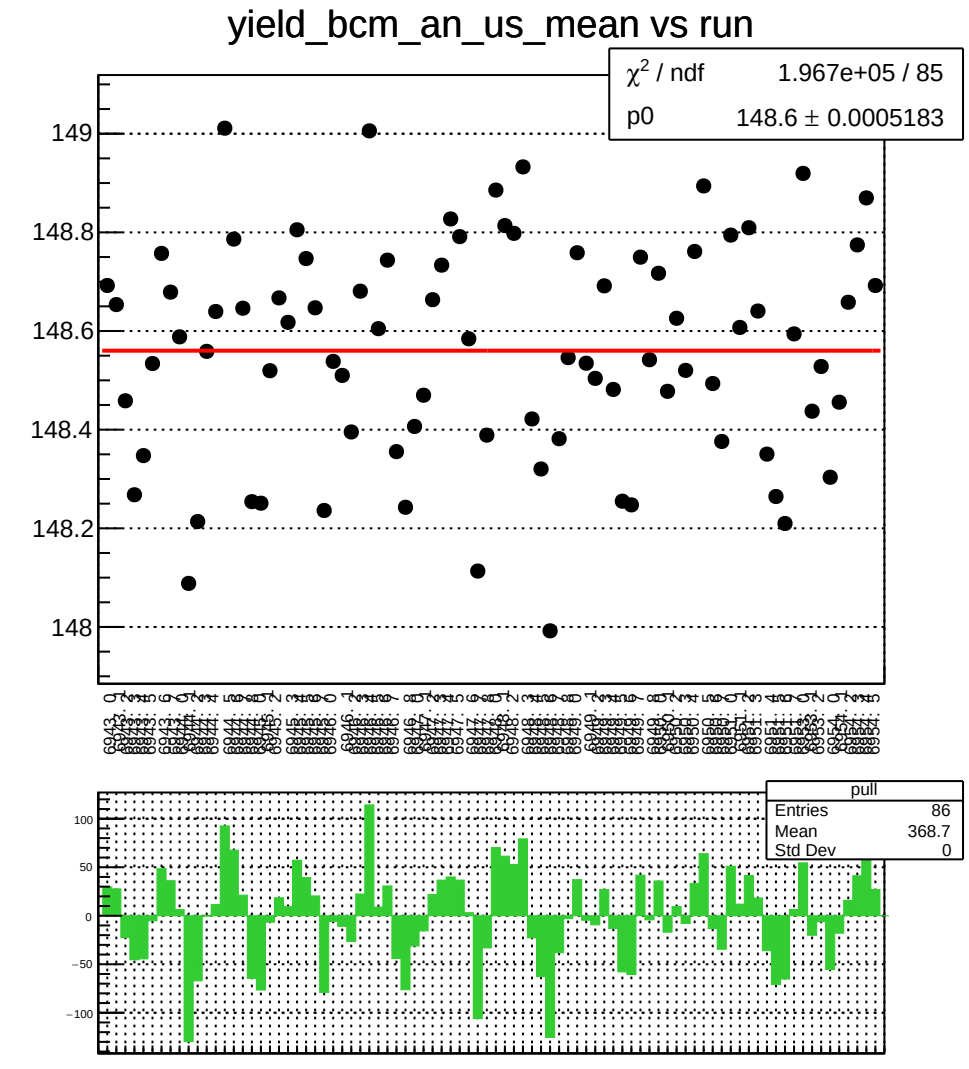

pull1D
Entries 86
Mean −0.4233
Std Dev 3.215
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

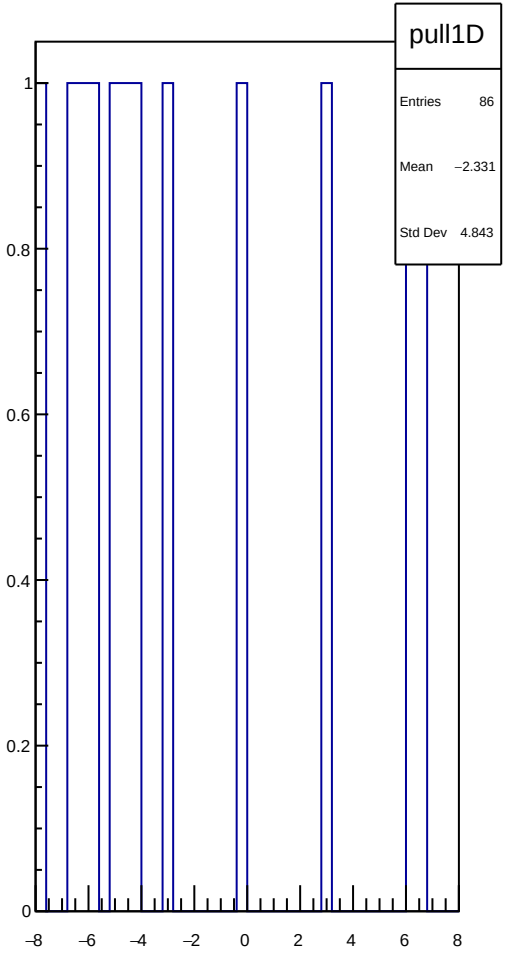

yield_bcm_an_ds_rms vs run
χ² / ndf 5.271e+04 / 85
p0 0.4612 ± 0.0003642
0.7
0.6
0.5
0.4
0.3

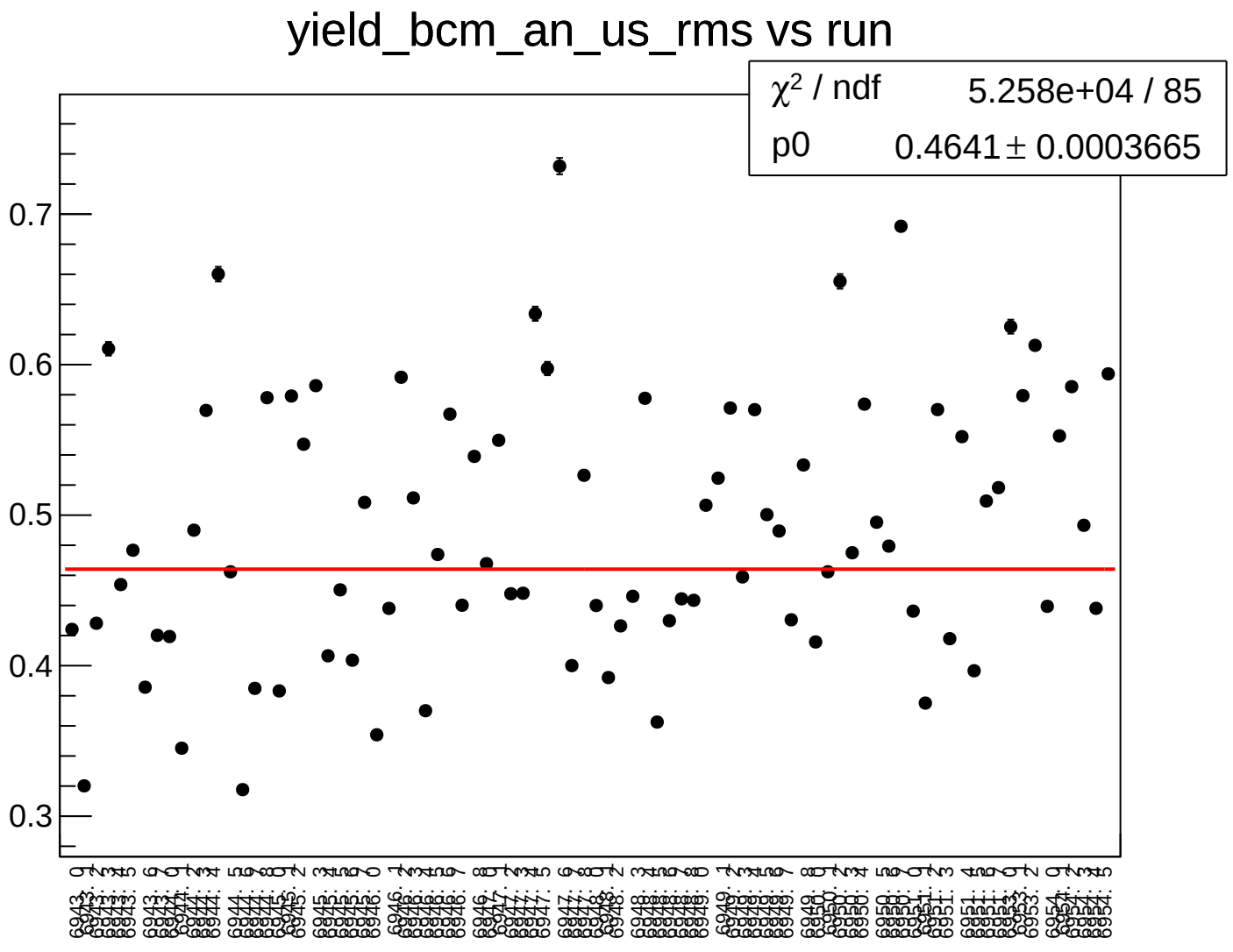

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.016e+05 / 85
p0 148.6 ± 0.0005173
149
148.8
148.6
148.4
148.2
148
pull
Entries 86
Mean 502.3
Std Dev 0
100
50
0
−50
−100

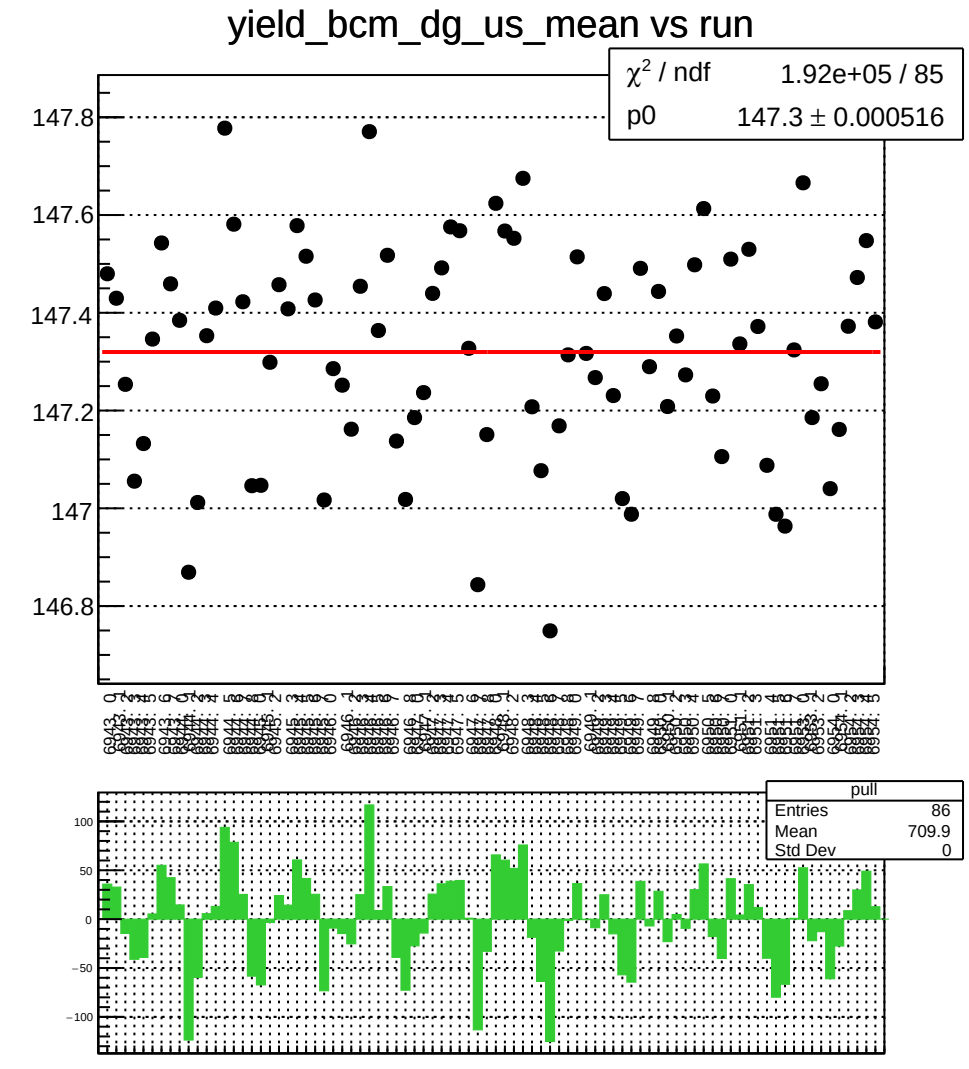

pull1D
Entries 86
Mean −0.2214
Std Dev 4.458
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

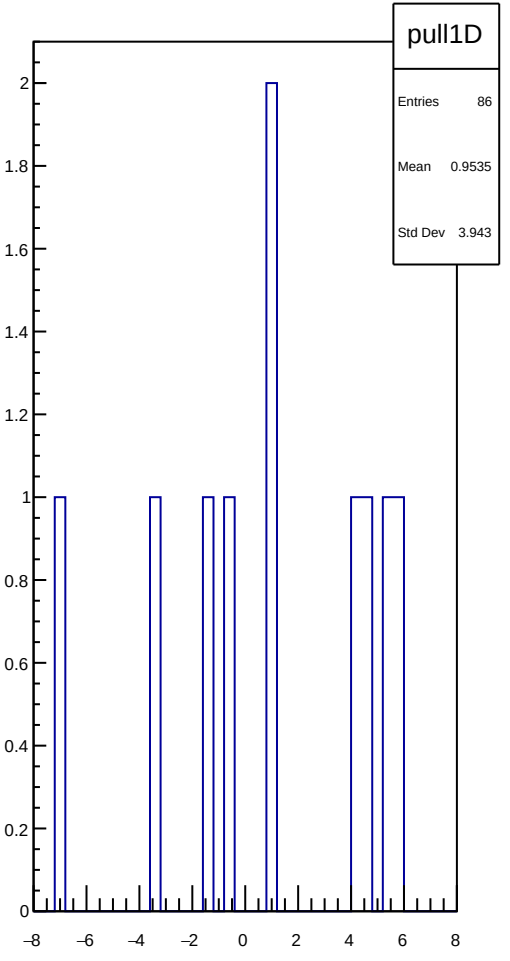

yield_bcm_an_ds3_rms vs run
χ^2 / ndf 5.269e+04 / 85
p0 0.4632 ± 0.0003658
0.7
0.6
0.5
0.4
0.3

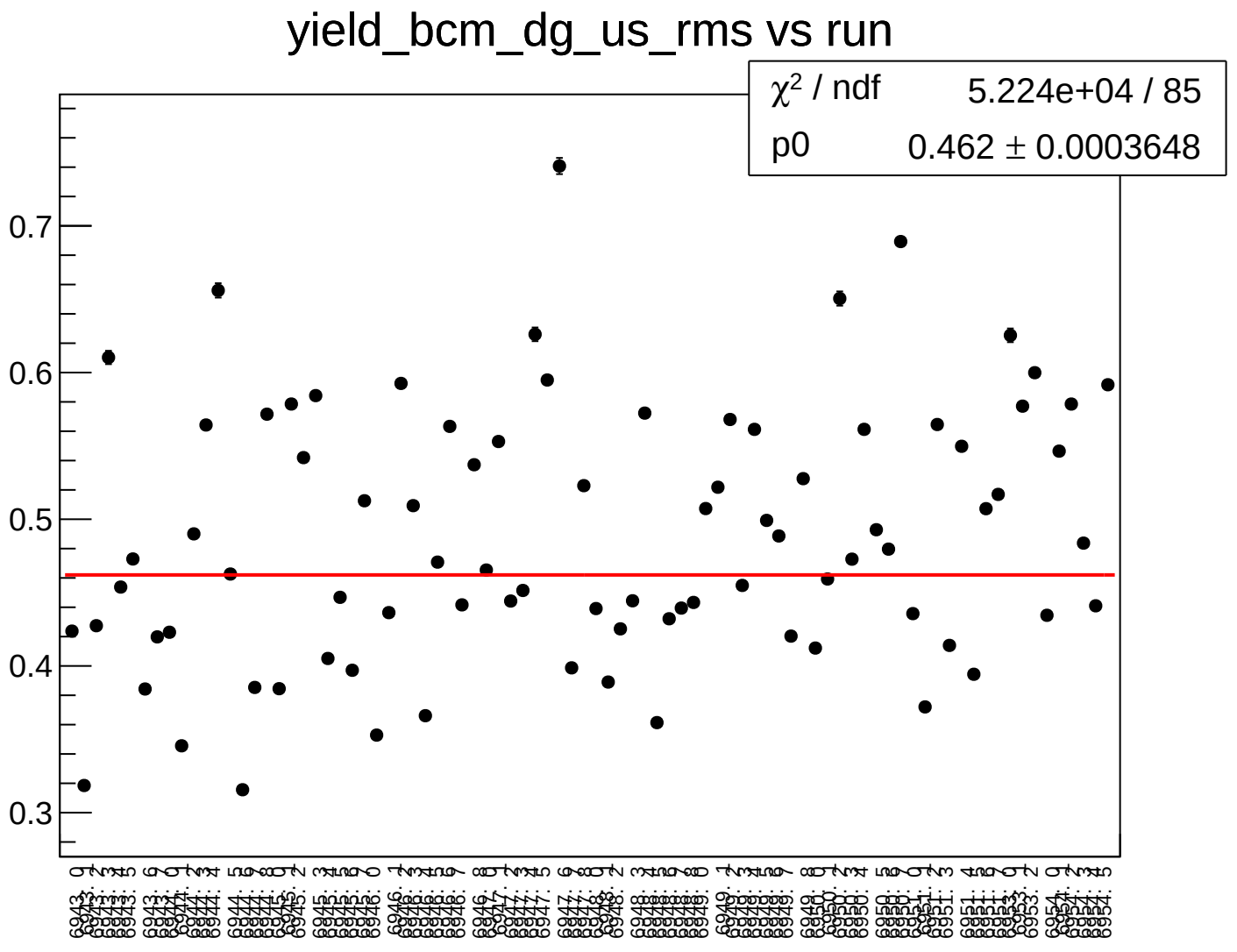

yield_bcm_an_us_mean vs run
χ² / ndf 1.967e+05 / 85
p0 148.6 ± 0.0005183
149
148.8
148.6
148.4
148.2
148
pull
Entries 86
Mean 368.7
Std Dev 0
100
50
0
−50
−100

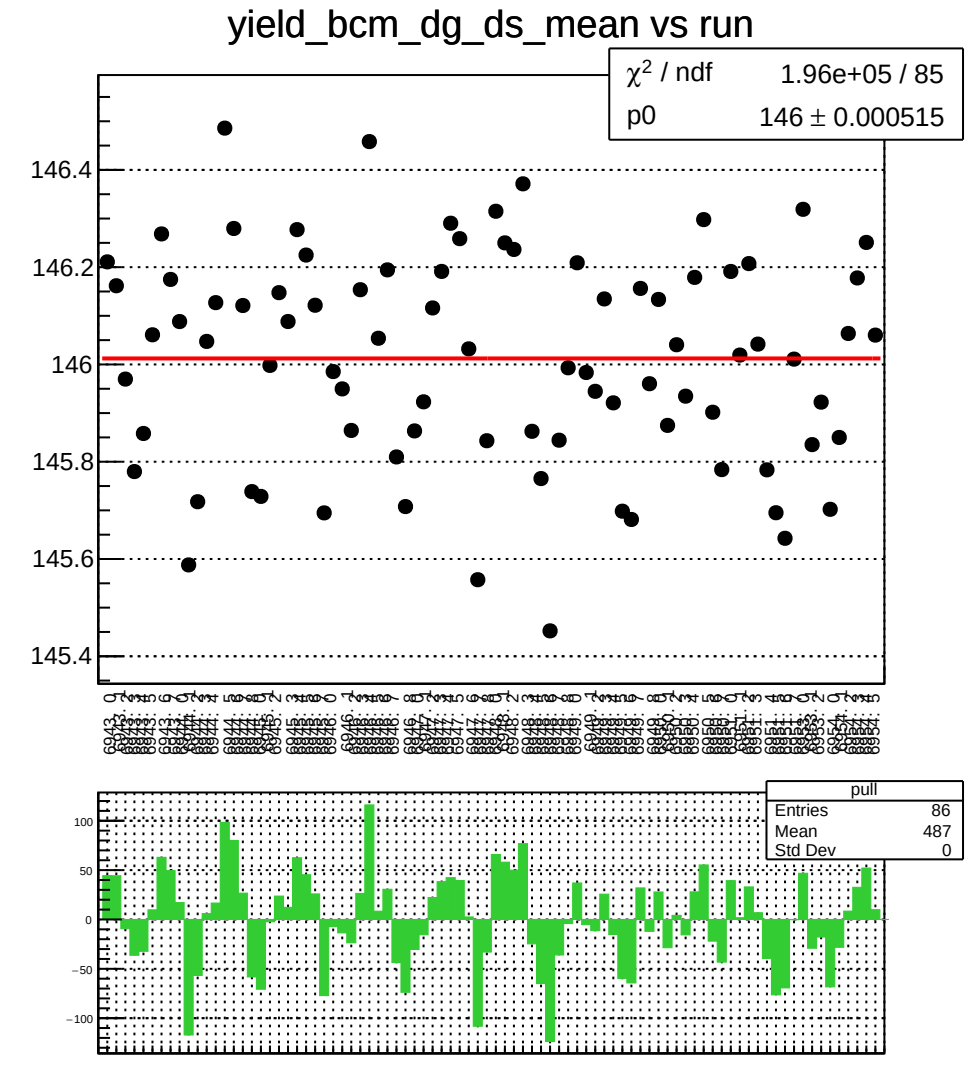

pull1D
Entries 86
Mean −2.331
Std Dev 4.843
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

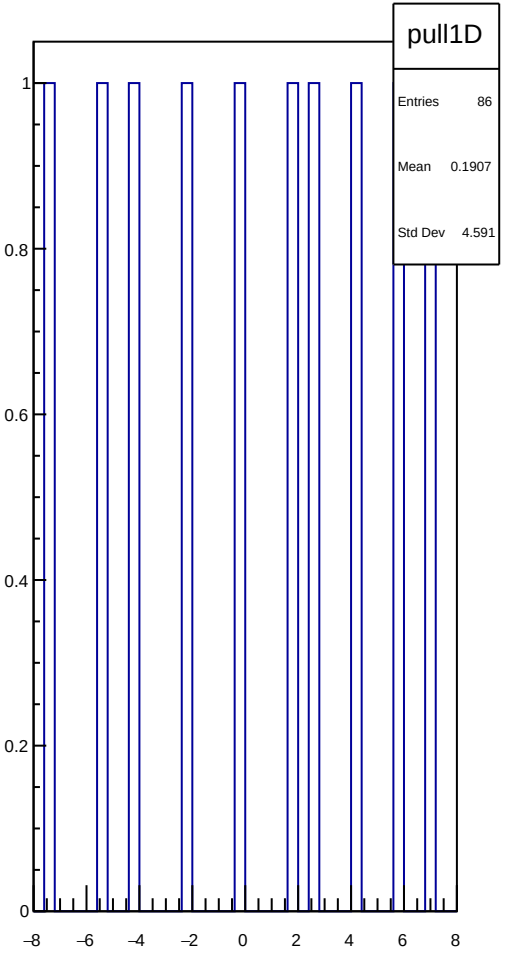

yield_bcm_an_us_rms vs run
χ² / ndf 5.258e+04 / 85
p0 0.4641 ± 0.0003665
0.7
0.6
0.5
0.4
0.3

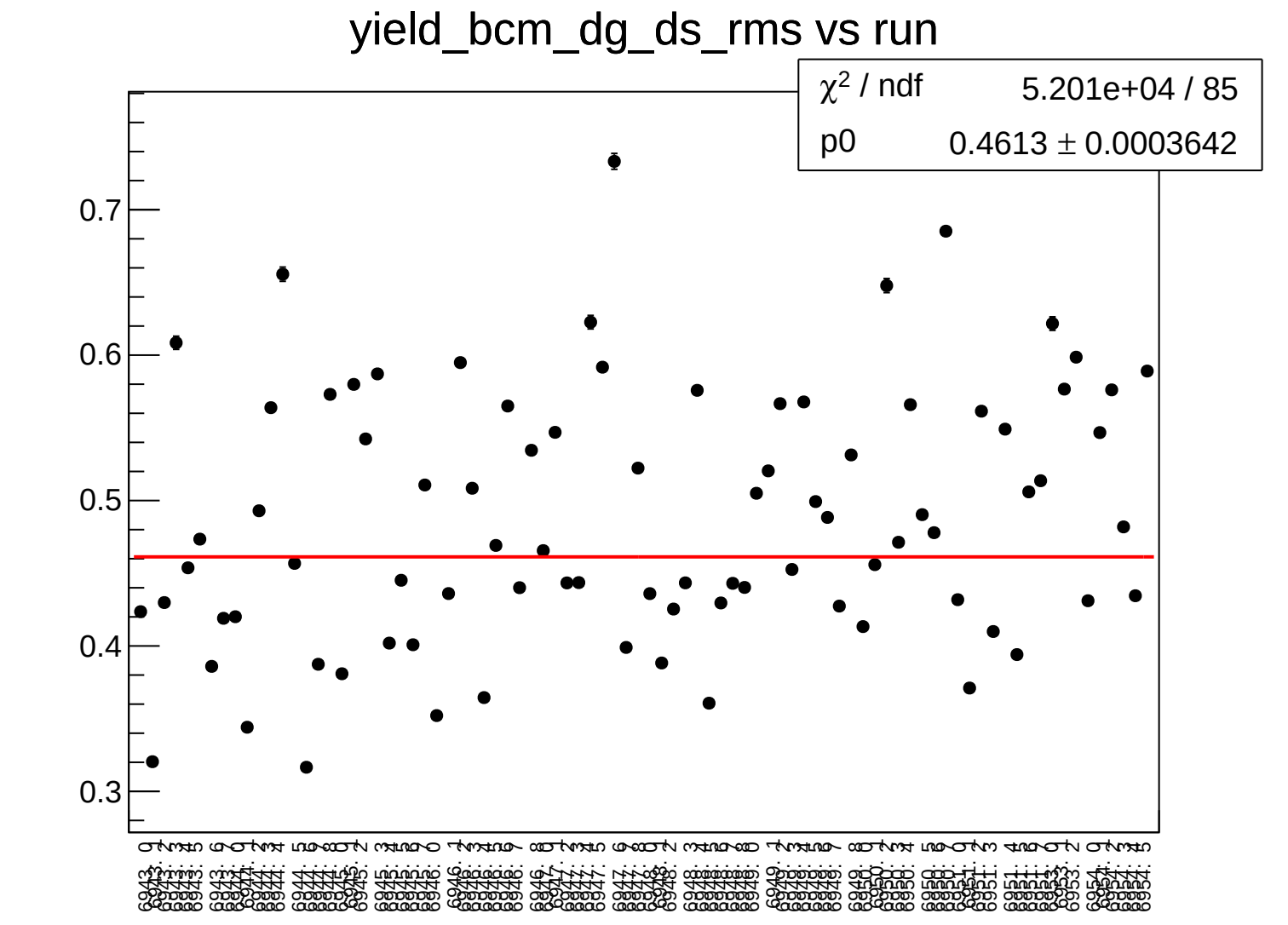

yield_bcm_dg_us_mean vs run
χ² / ndf 1.92e+05 / 85
p0 147.3 ± 0.000516
147.8
147.6
147.4
147.2
147
146.8
pull
Entries 86
Mean 709.9
Std Dev 0
100
50
0
−50
−100

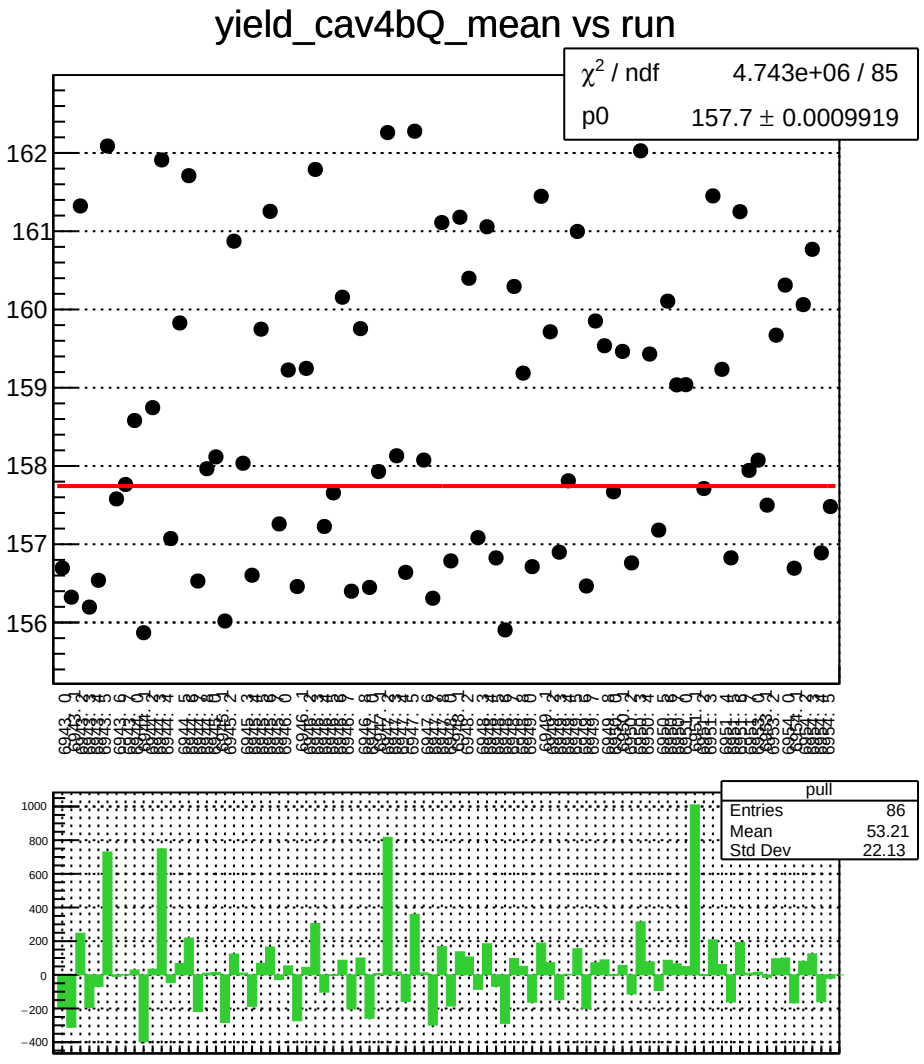

pull1D
Entries 86
Mean 0.9535
Std Dev 3.943
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

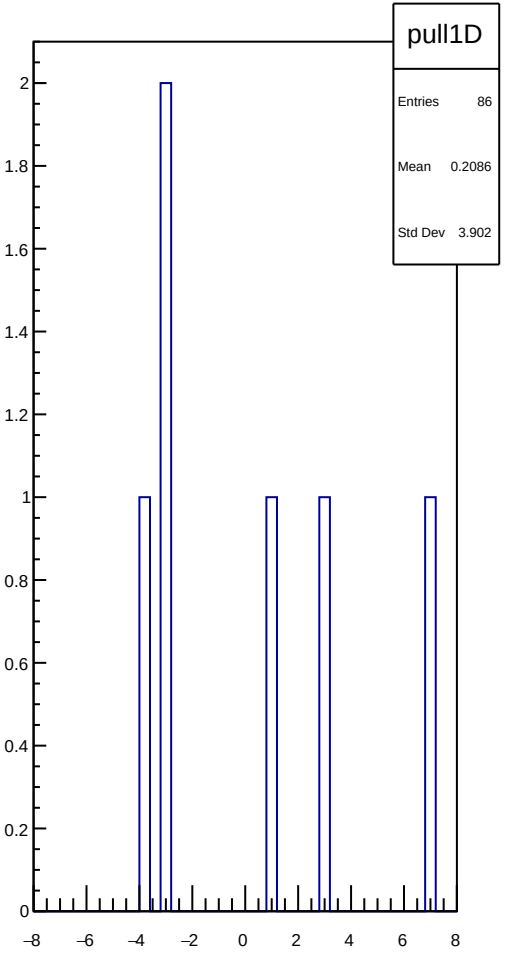

yield_bcm_dg_us_rms vs run
χ² / ndf 5.224e+04 / 85
p0 0.462 ± 0.0003648
0.7
0.6
0.5
0.4
0.3

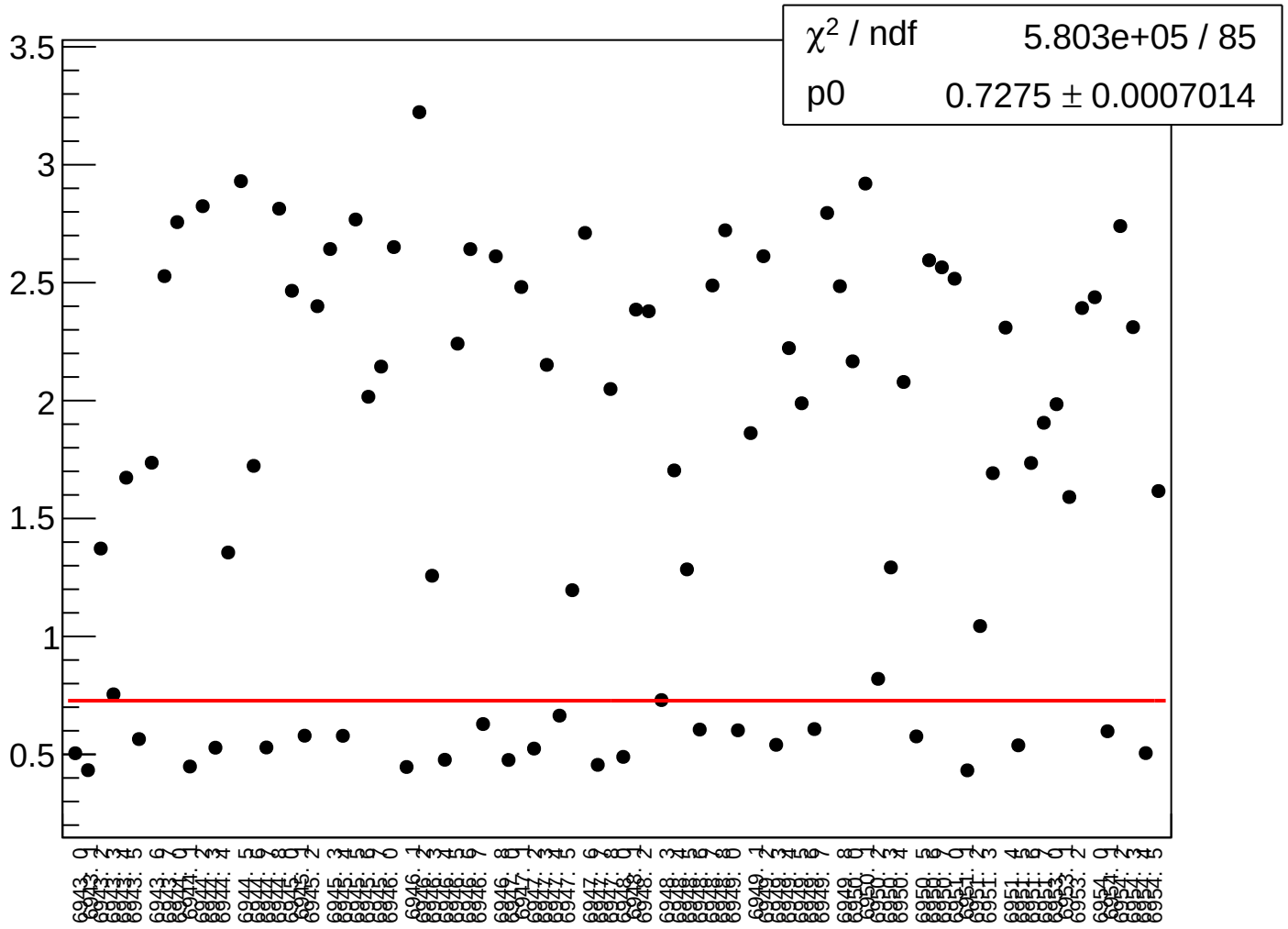

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.96e+05 / 85
p0 146 ± 0.000515
146.4
146.2
146
145.8
145.6
145.4
pull
Entries 86
Mean 487
Std Dev 0
100
50
0
−50
−100

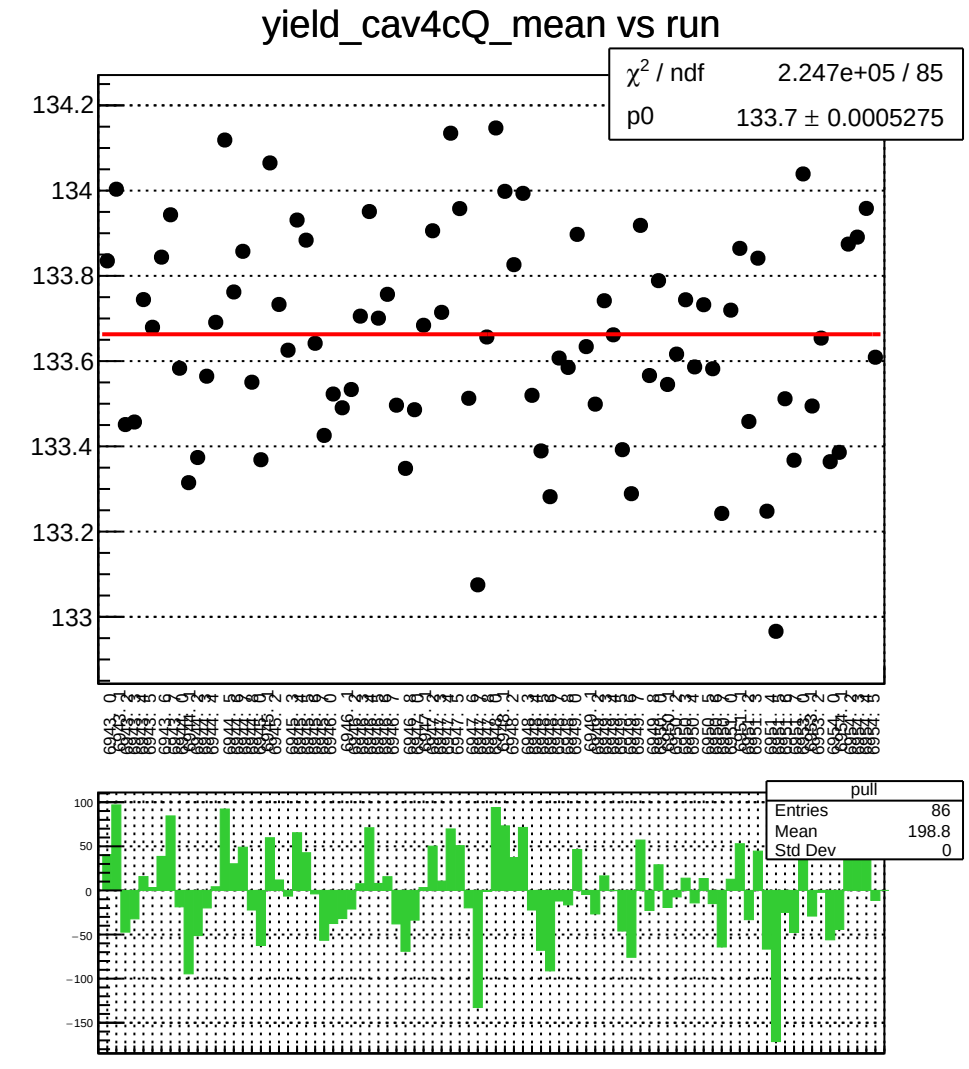

pull1D
Entries 86
Mean 0.1907
Std Dev 4.591
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

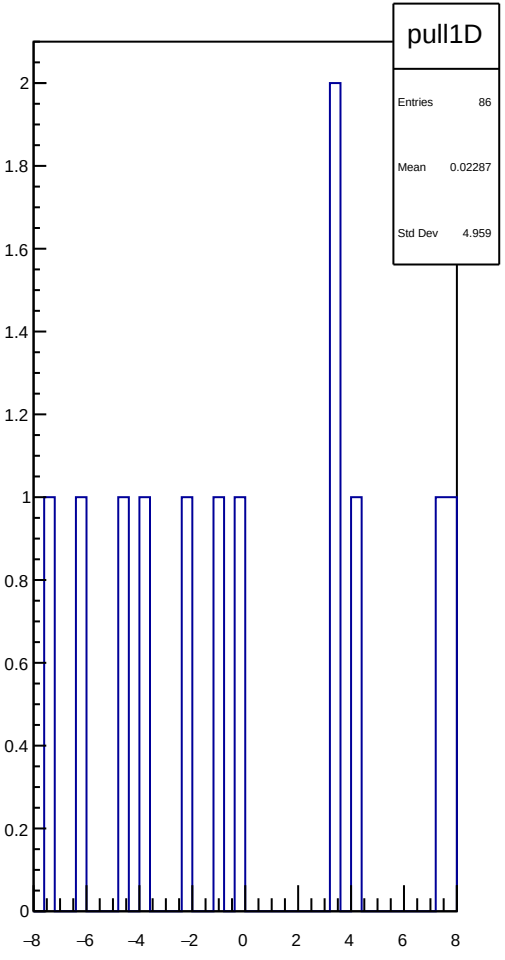

yield_bcm_dg_ds_rms vs run
χ² / ndf 5.201e+04 / 85
p0 0.4613 ± 0.0003642
0.7
0.6
0.5
0.4
0.3

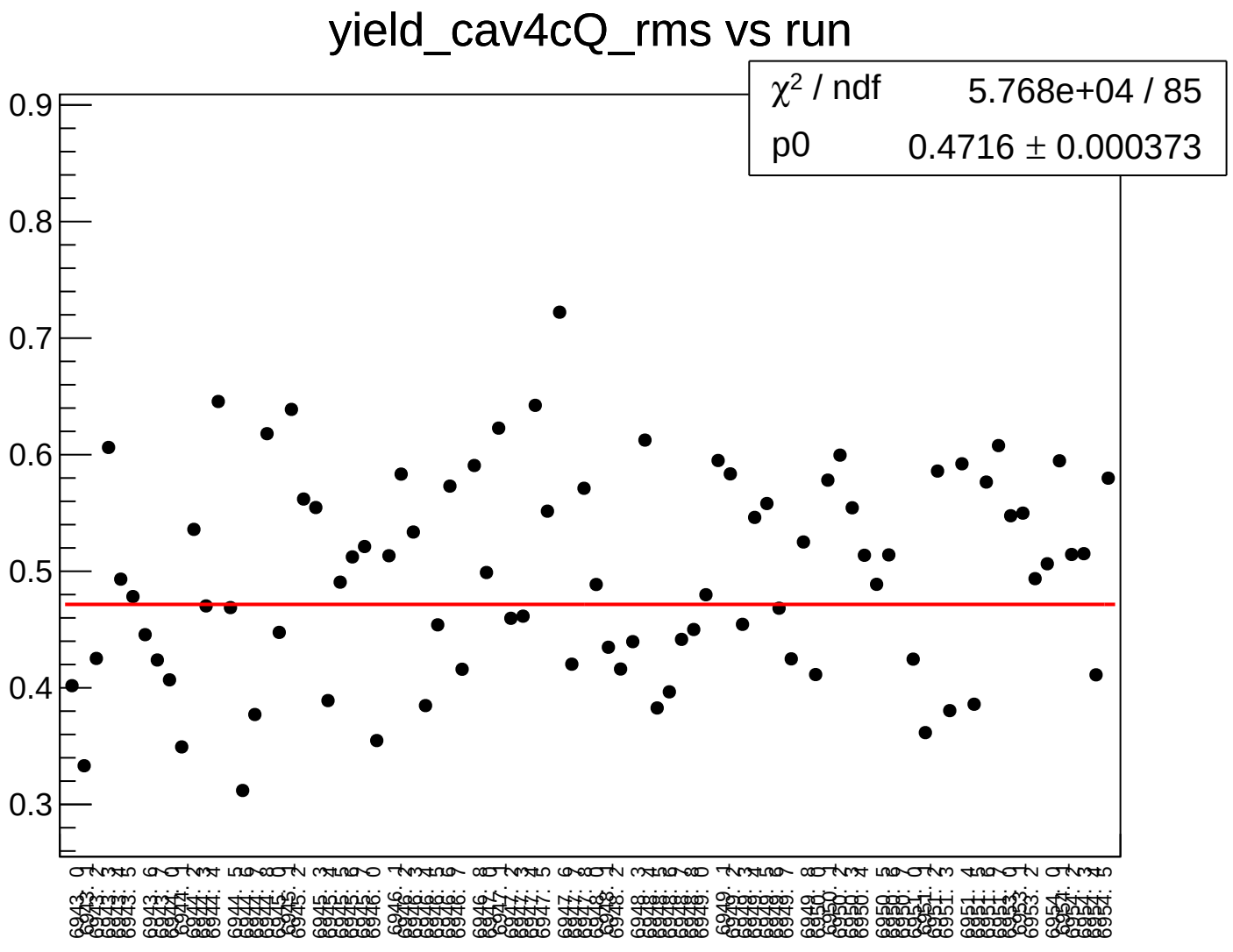

yield_cav4bQ_mean vs run
χ² / ndf 4.743e+06 / 85
p0 157.7 ± 0.0009919
162
161
160
159
158
157
156
pull
Entries 86
Mean 53.21
Std Dev 22.13
1000
800
600
400
200
0
−200
−400

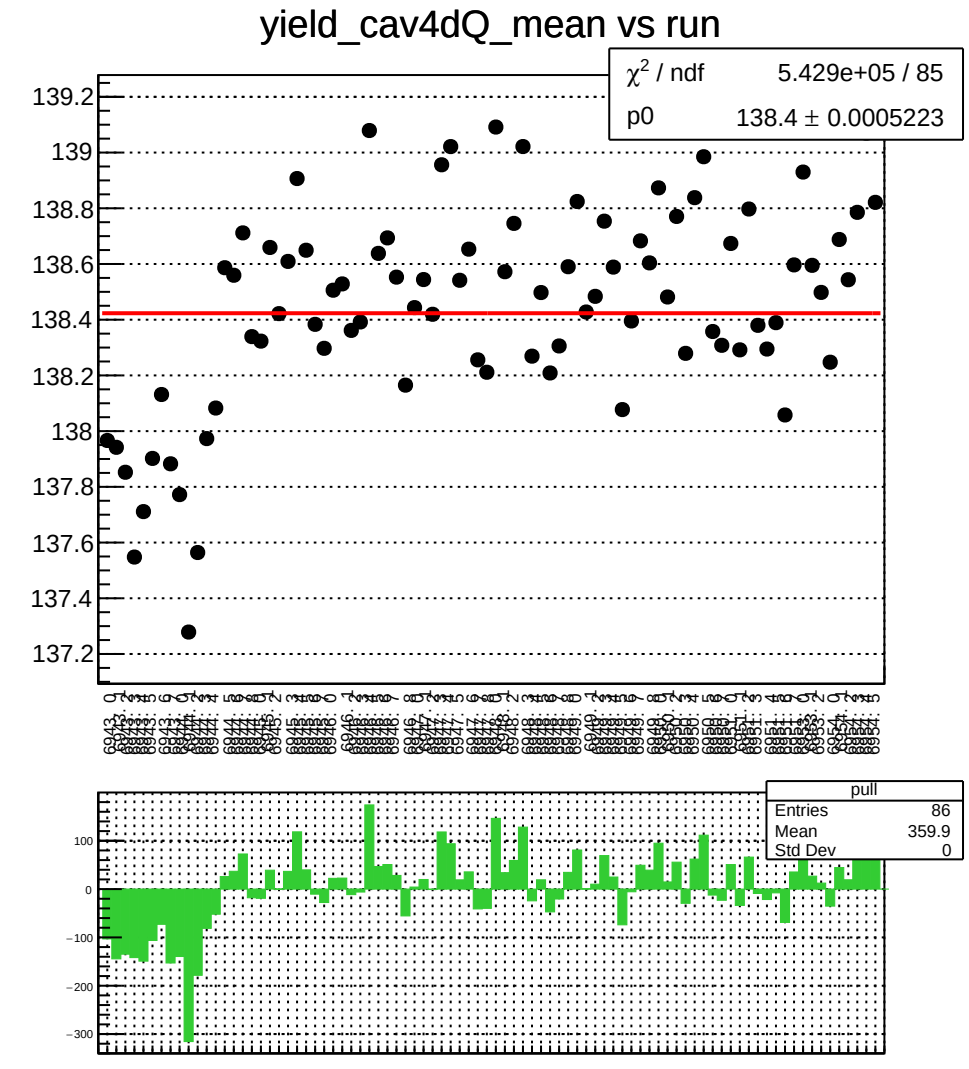

pull1D
Entries 86
Mean 0.2086
Std Dev 3.902
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

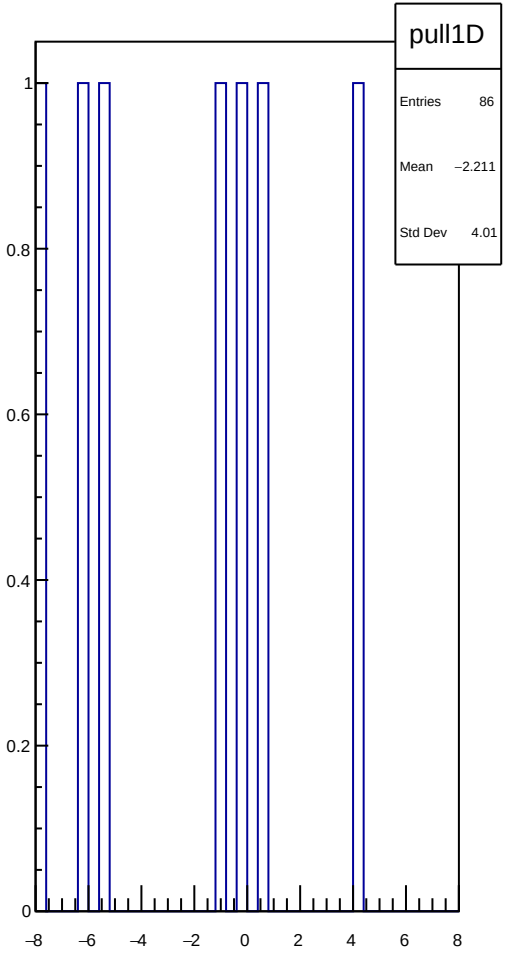

yield_cav4bQ_rms vs run
χ² / ndf 5.803e+05 / 85
p0 0.7275 ± 0.0007014
3.5
3
2.5
2
1.5
1
0.5

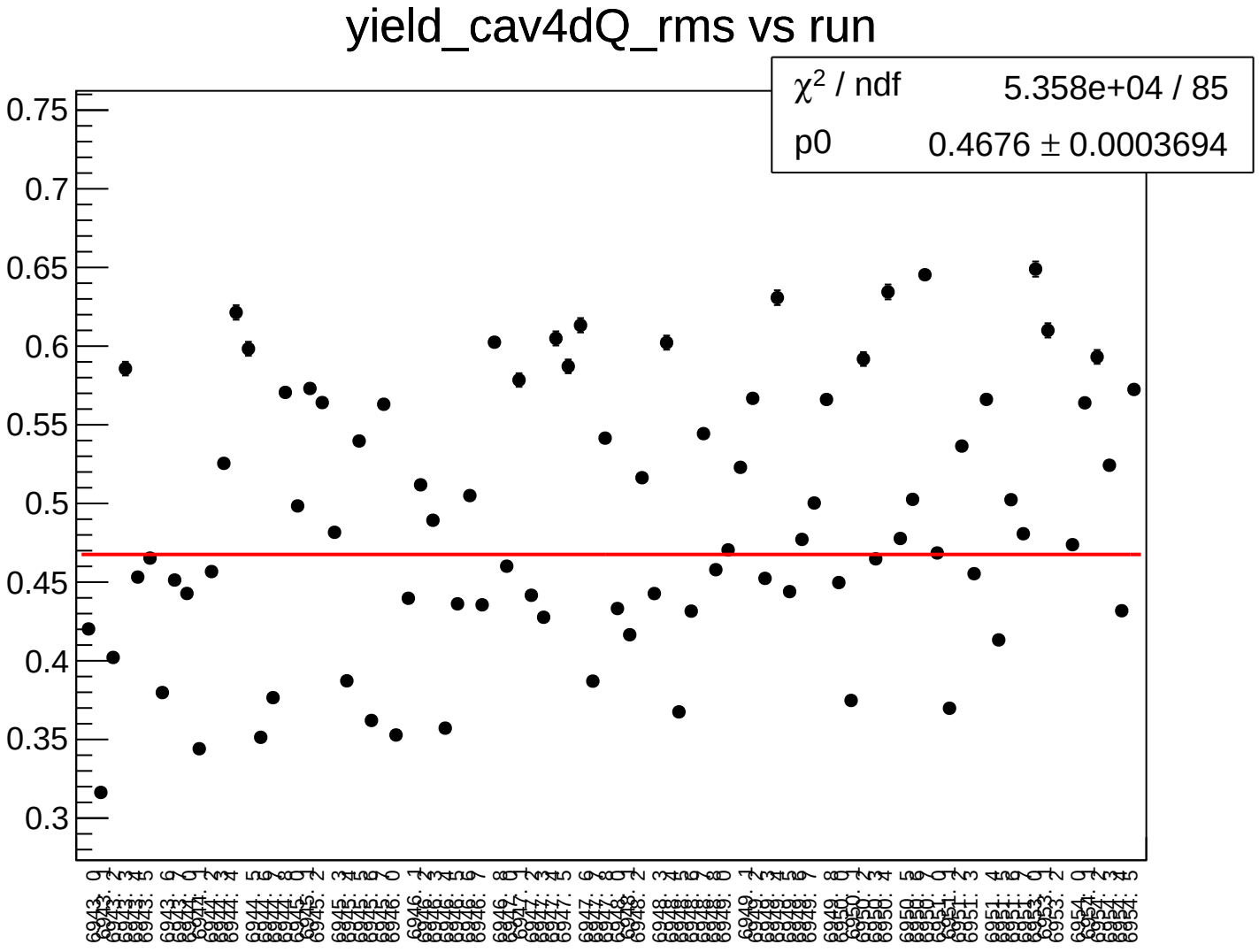

yield_cav4cQ_mean vs run
χ² / ndf 2.247e+05 / 85
p0 133.7 ± 0.0005275
134.2
134
133.8
133.6
133.4
133.2
133
pull
Entries 86
Mean 198.8
Std Dev 0
100
50
0
−50
−100
−150

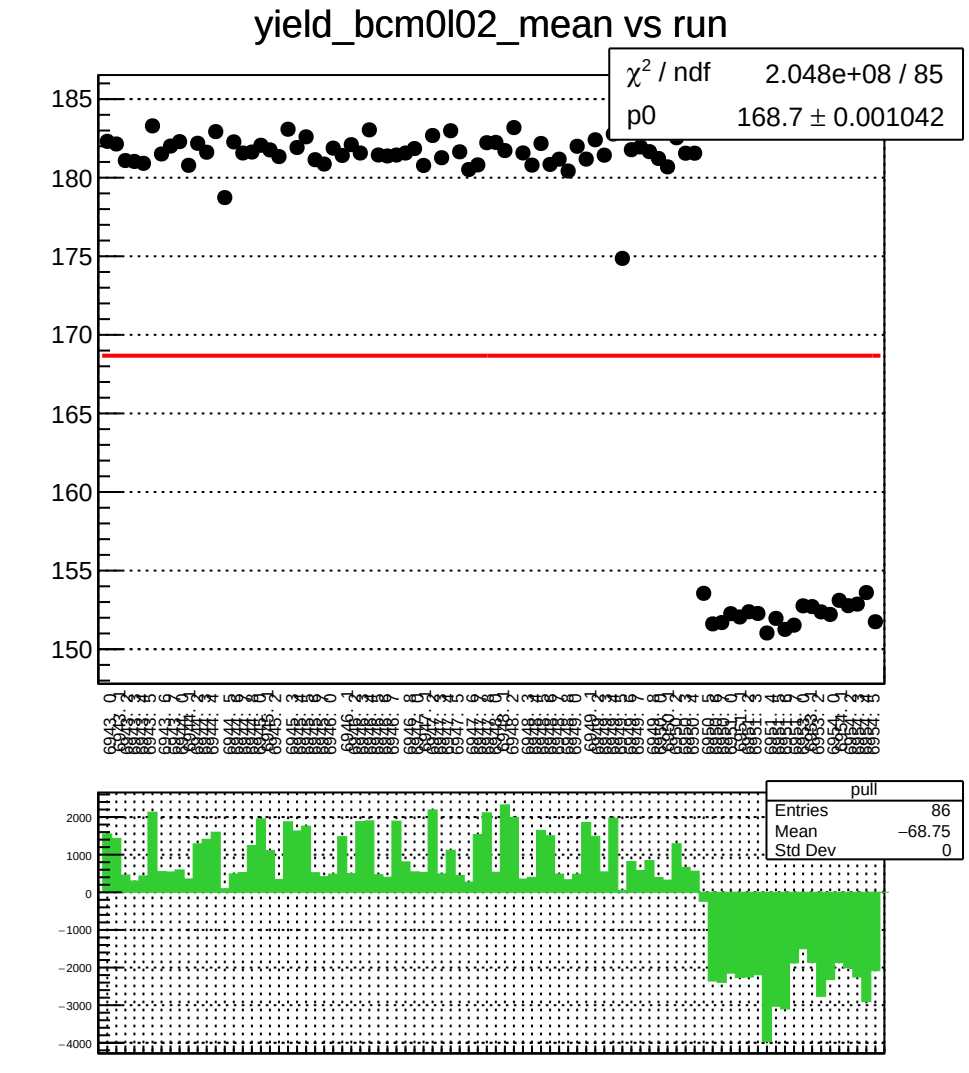

pull1D
Entries 86
Mean 0.02287
Std Dev 4.959
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

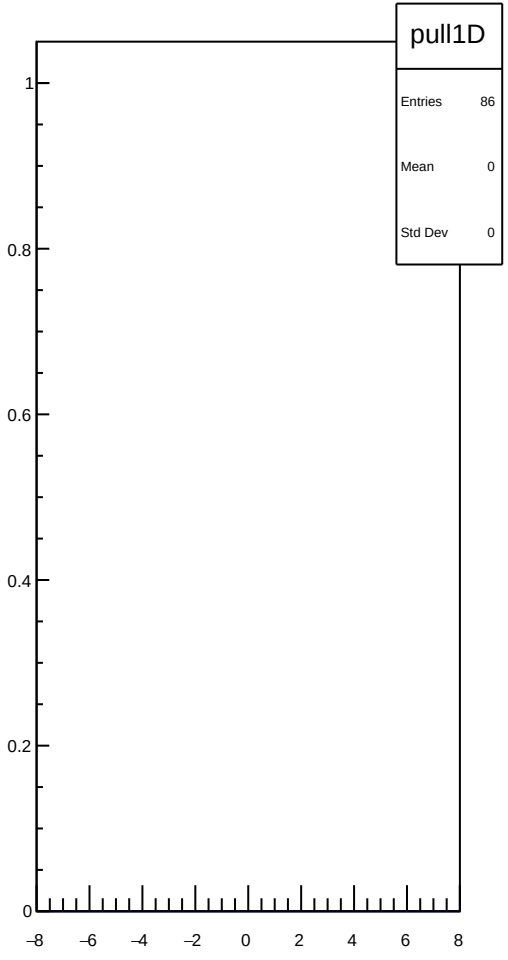

yield_cav4cQ_rms vs run
χ² / ndf 5.768e+04 / 85
p0 0.4716 ± 0.000373
0.9
0.8
0.7
0.6
0.5
0.4
0.3

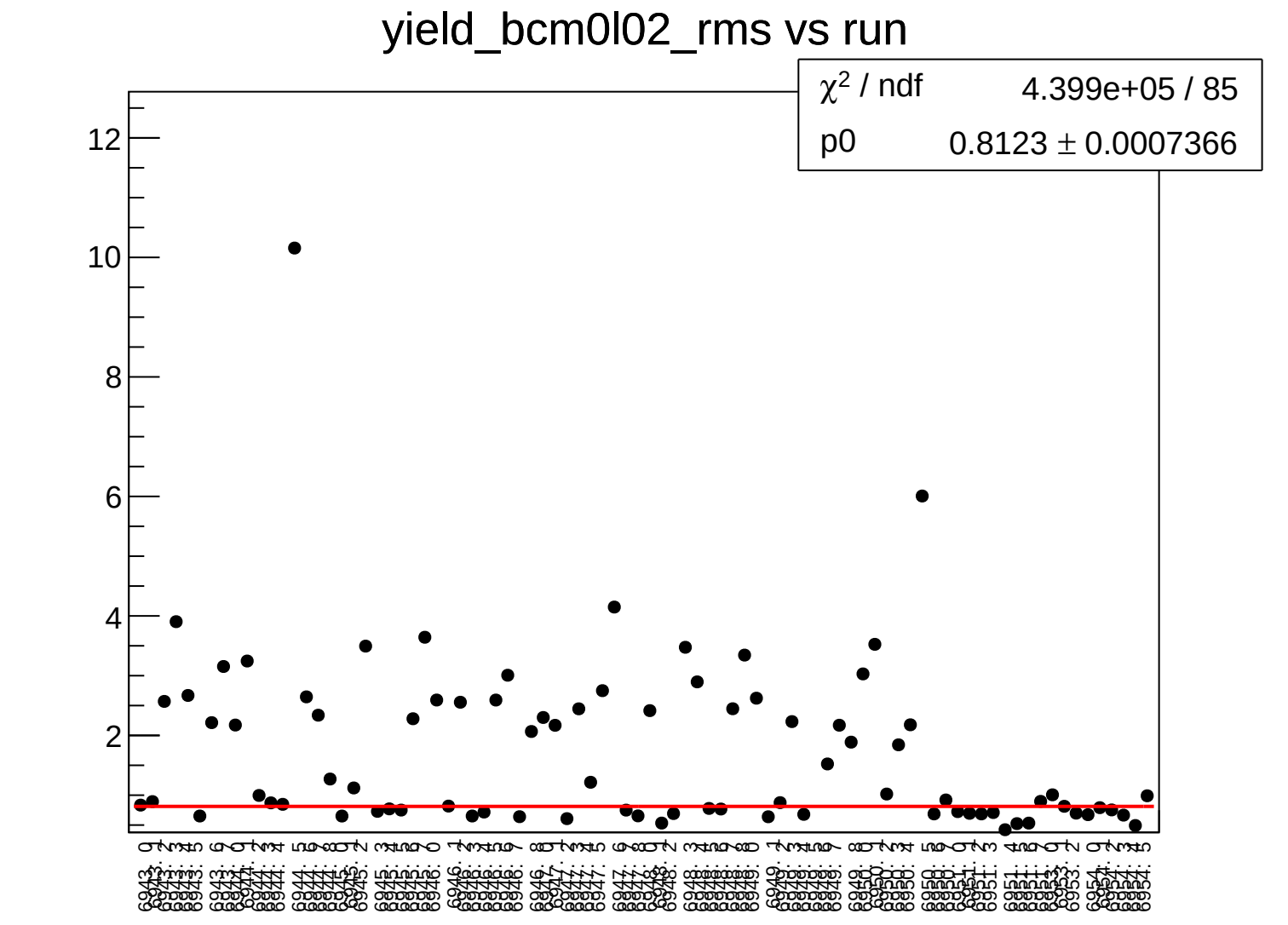

yield_cav4dQ_mean vs run
χ² / ndf 5.429e+05 / 85
p0 138.4 ± 0.0005223
pull
Entries 86
Mean 359.9
Std Dev 0

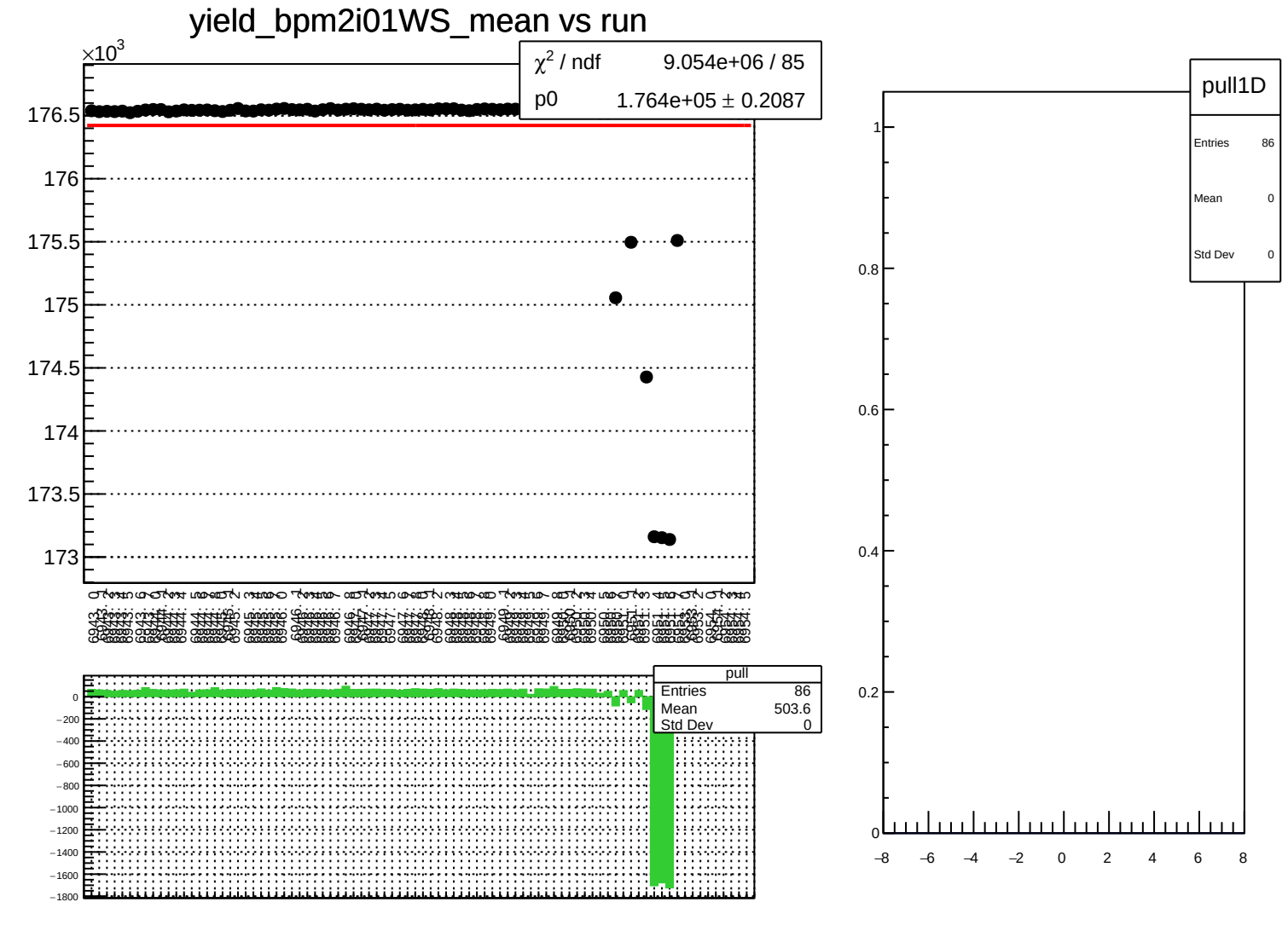

pull1D
Entries 86
Mean −2.211
Std Dev 4.01

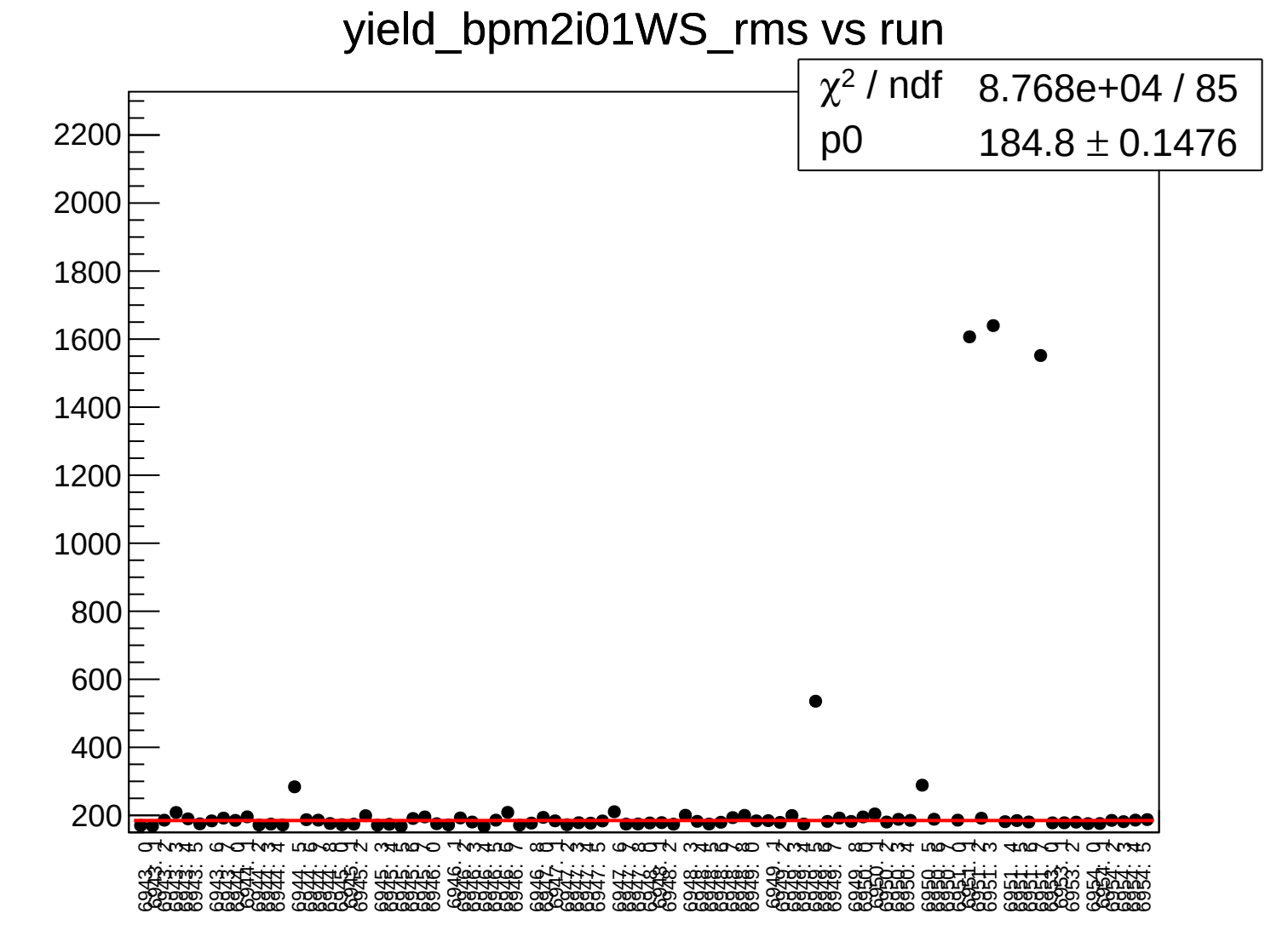

yield_cav4dQ_rms vs run
χ² / ndf 5.358e+04 / 85
p0 0.4676 ± 0.0003694
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3

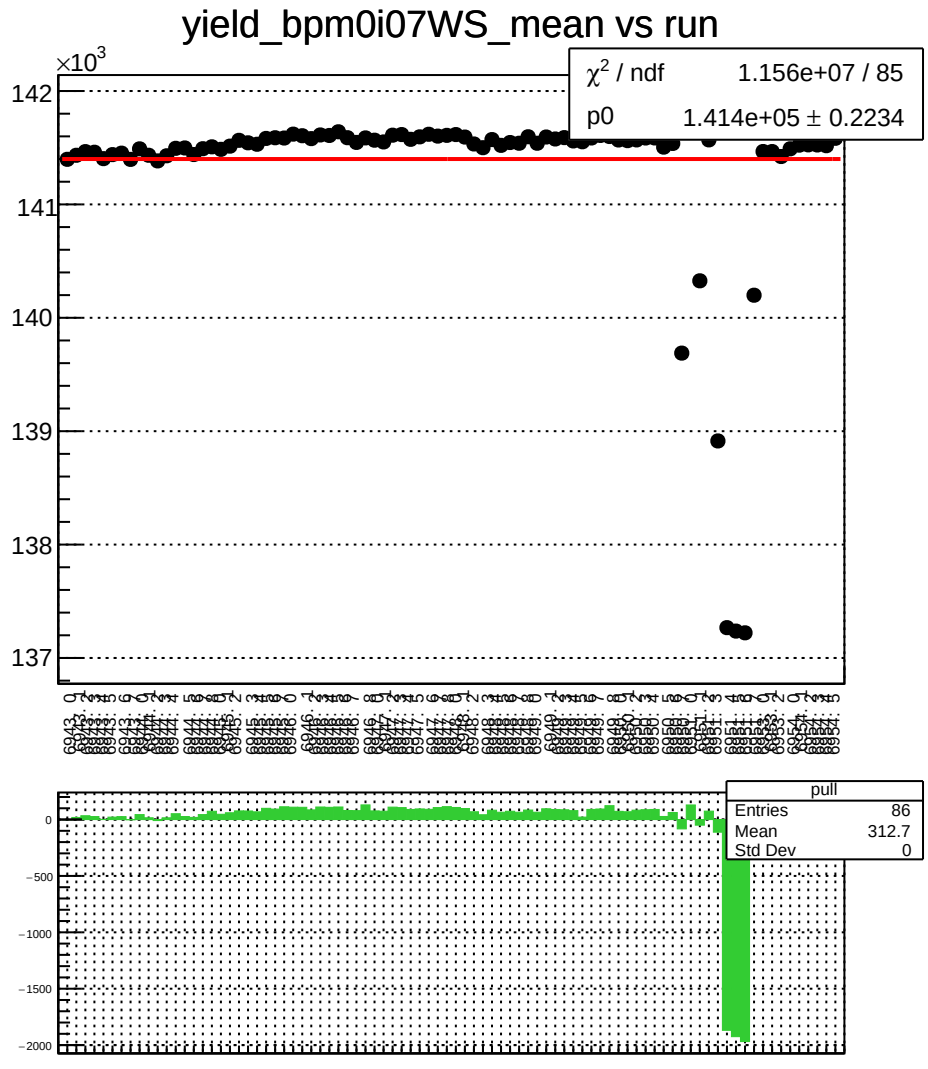

yield_bcm0l02_mean vs run
χ² / ndf 2.048e+08 / 85
p0 168.7 ± 0.001042
185
180
175
170
165
160
155
150
pull
Entries 86
Mean −68.75
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000

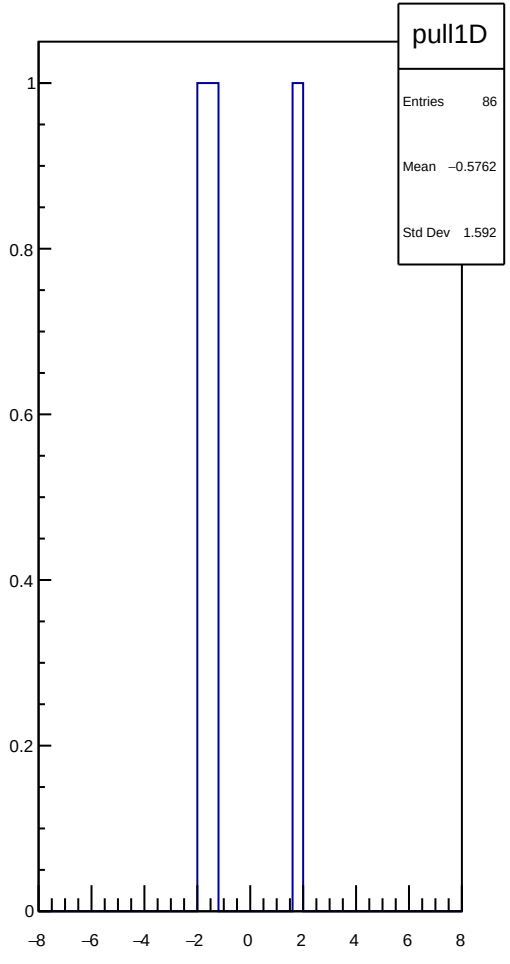

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

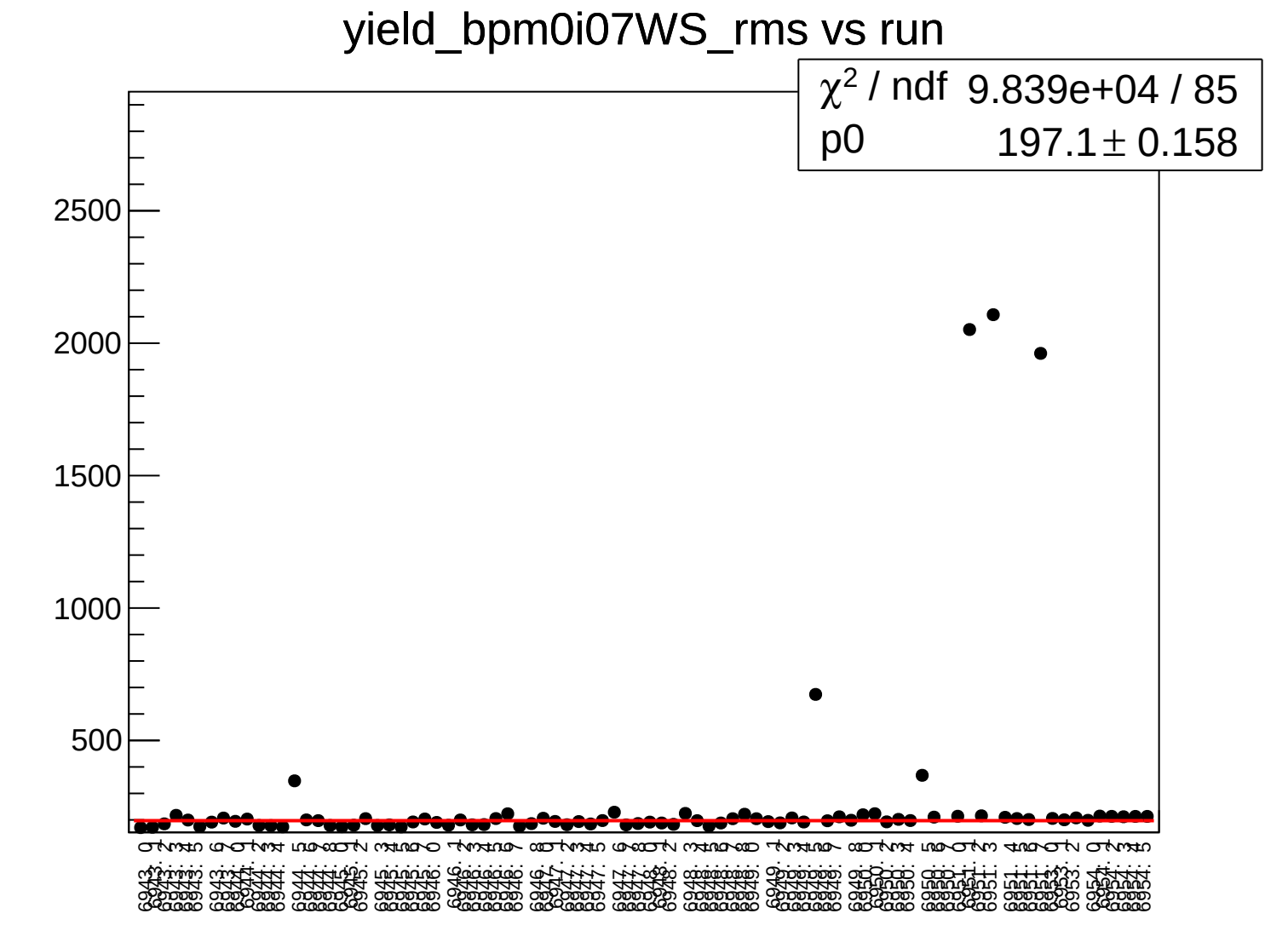

yield_bcm0l02_rms vs run
χ² / ndf 4.399e+05 / 85
p0 0.8123 ± 0.0007366
12
10
8
6
4
2

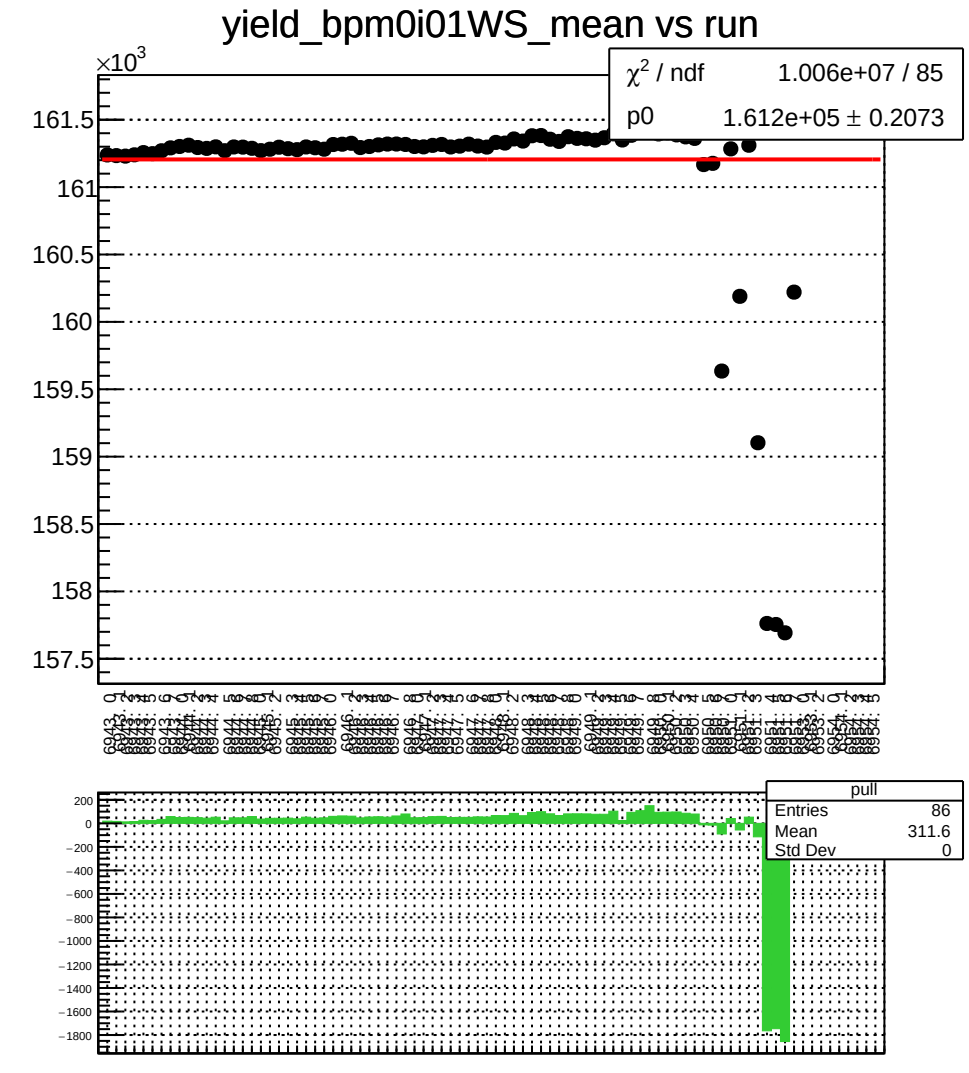

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 9.054e+06 / 85
p0 1.764e+05 ± 0.2087
176.5
176
175.5
175
174.5
174
173.5
173
pull
Entries 86
Mean 503.6
Std Dev 0
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

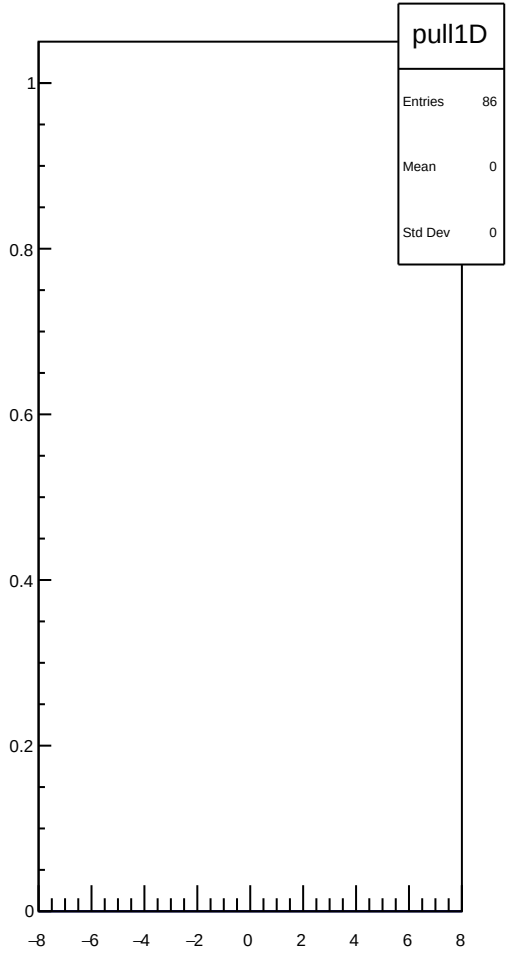

yield_bpm2i01WS_rms vs run
χ² / ndf 8.768e+04 / 85
p0 184.8 ± 0.1476
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

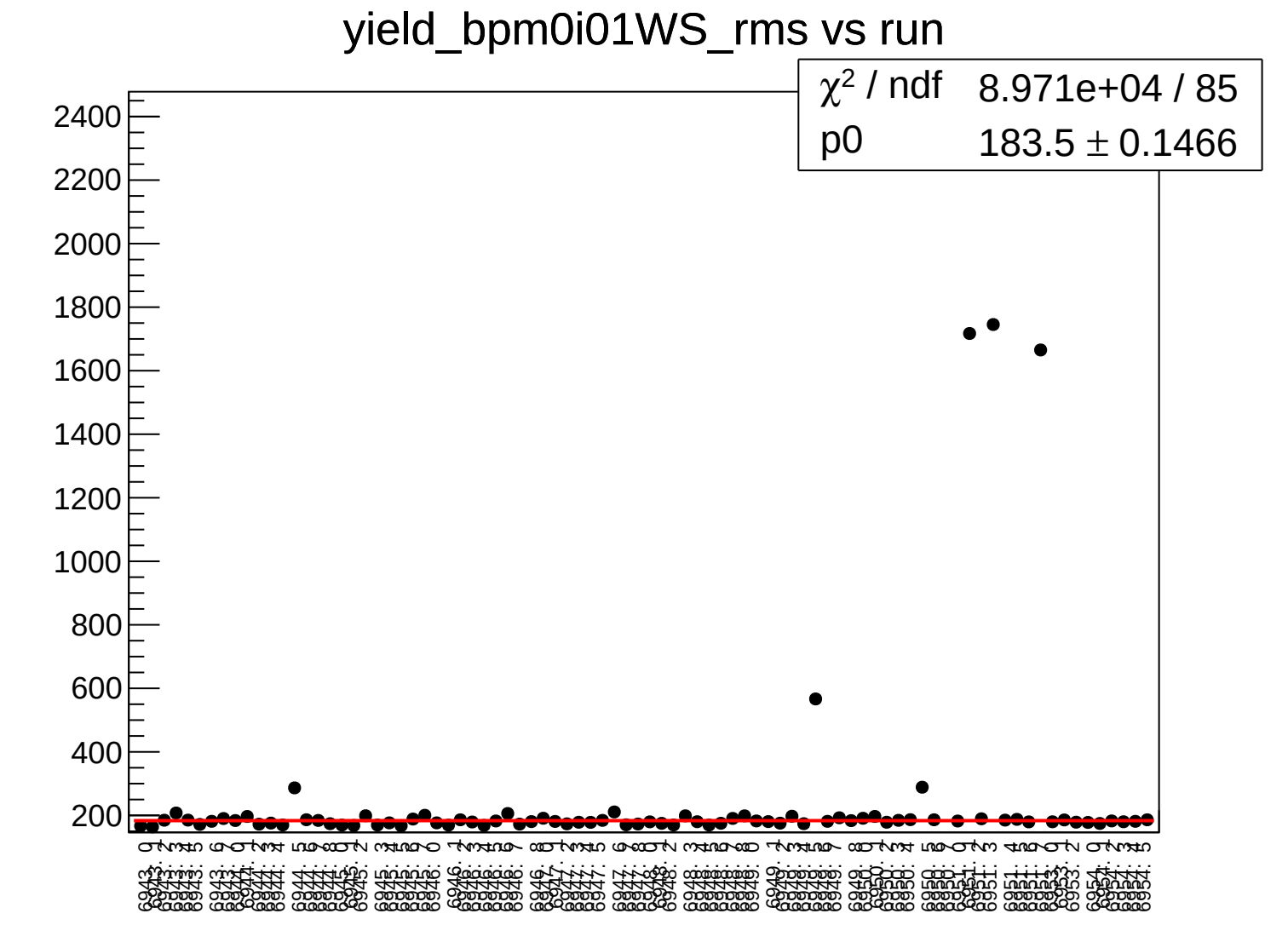

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.156e+07 / 85
p0 1.414e+05 ± 0.2234
142
141
140
139
138
137
pull
Entries 86
Mean 312.7
Std Dev 0
0
−500
−1000
−1500
−2000

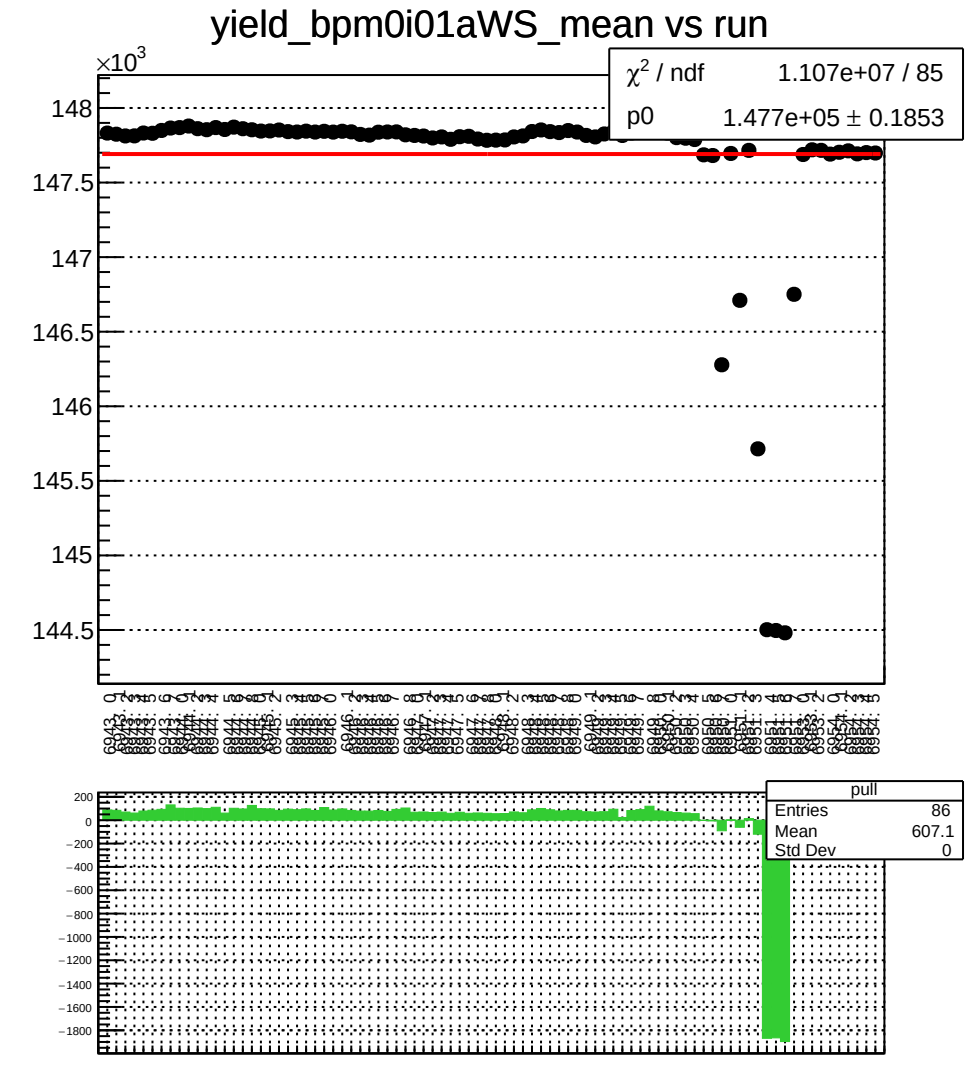

pull1D
Entries 86
Mean −0.5762
Std Dev 1.592
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

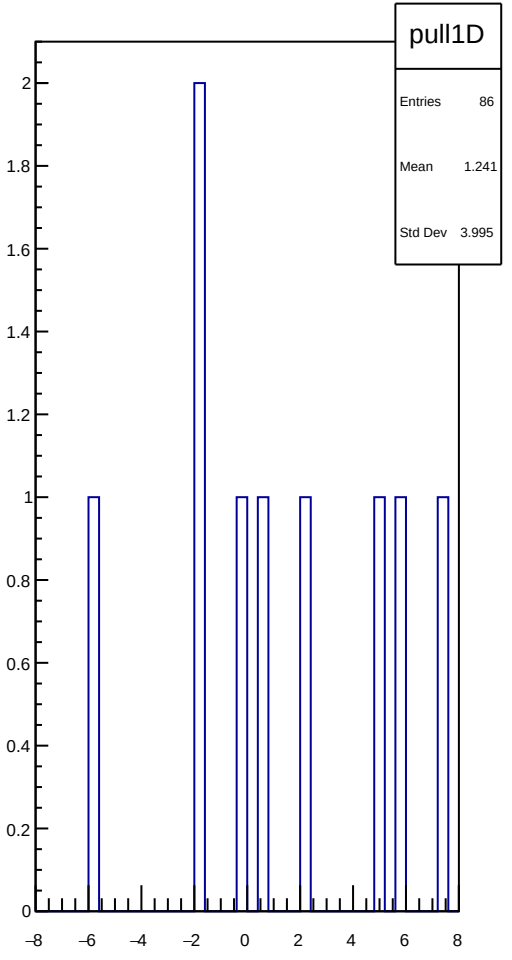

yield_bpm0i07WS_rms vs run
χ² / ndf 9.839e+04 / 85
p0 197.1 ± 0.158
2500
2000
1500
1000
500

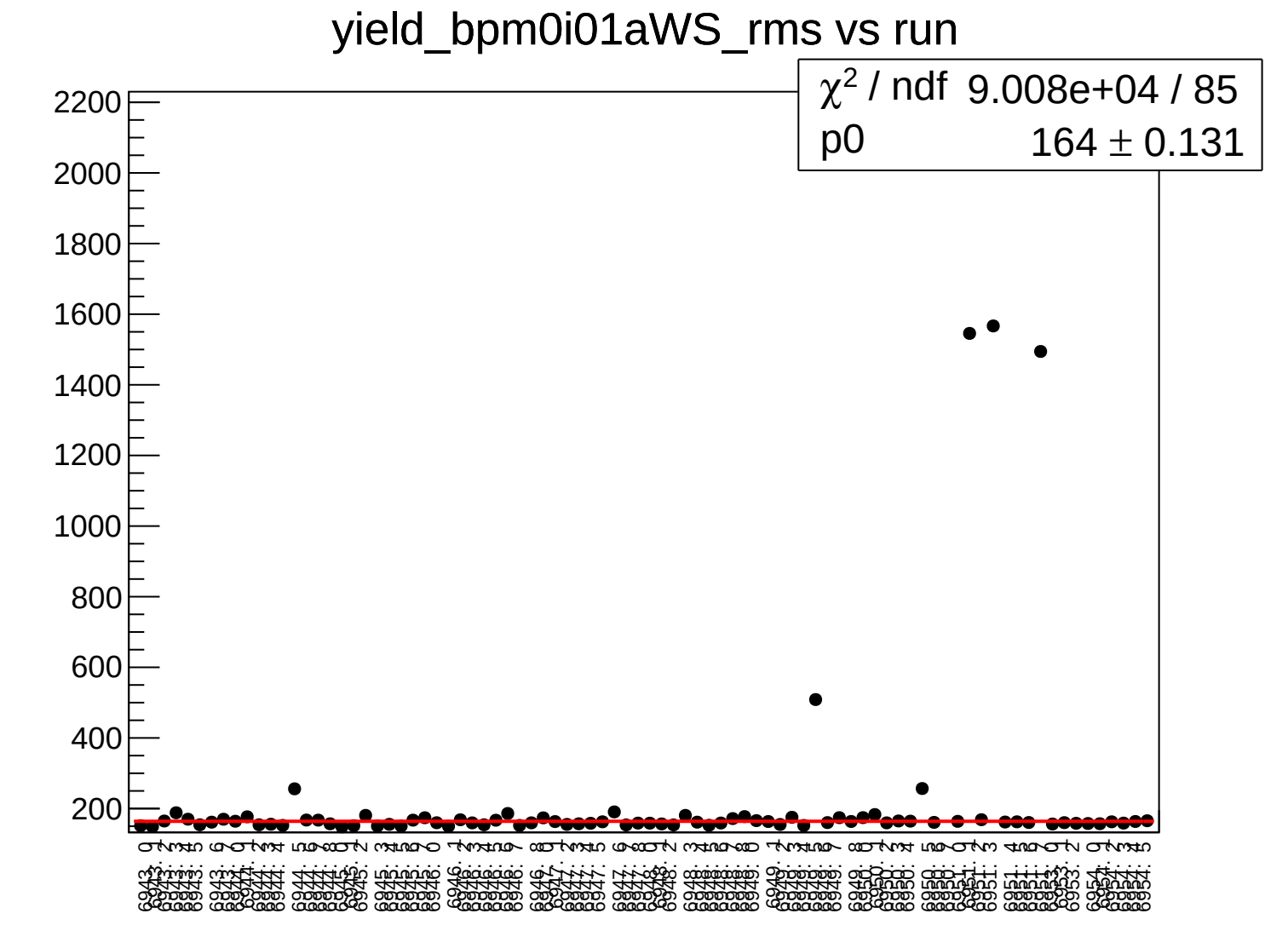

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.006e+07 / 85
p0 1.612e+05 ± 0.2073
161.5
161
160.5
160
159.5
159
158.5
158
157.5
pull
Entries 86
Mean 311.6
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

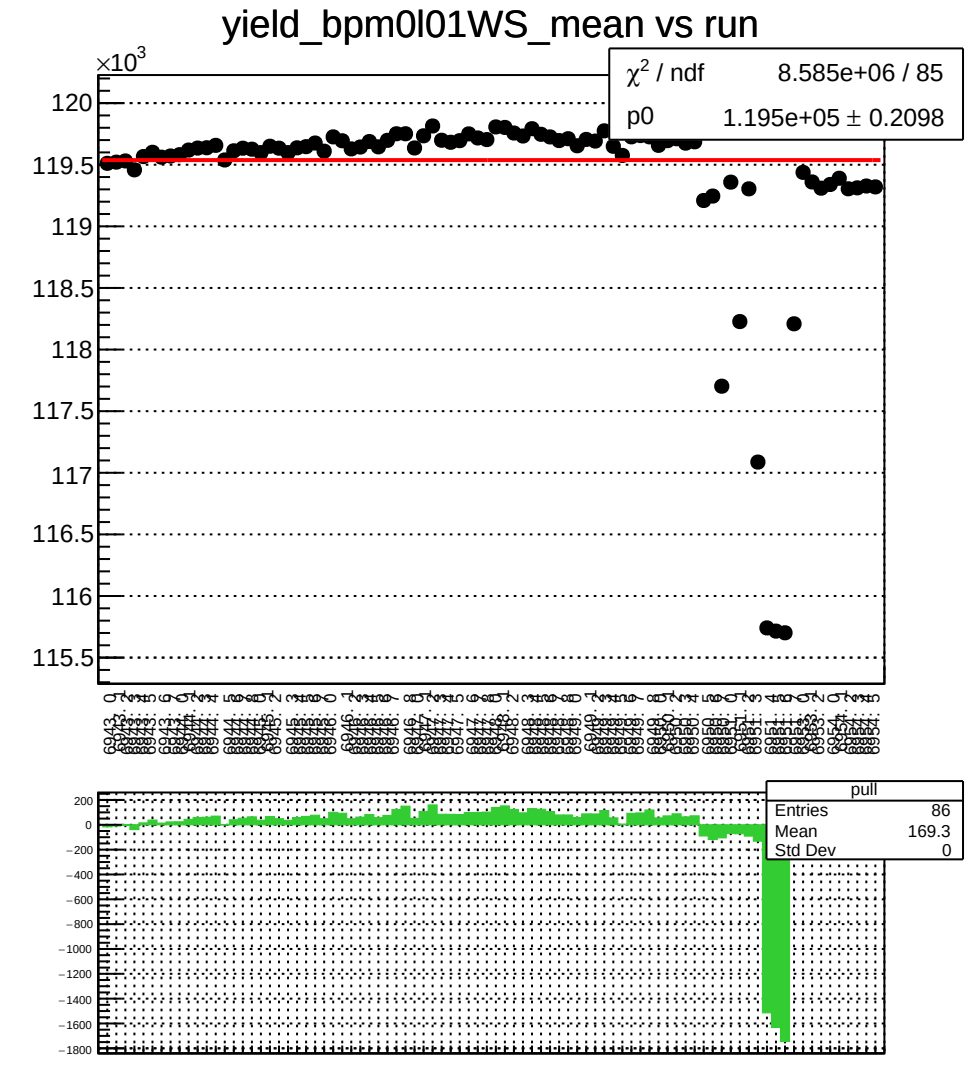

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

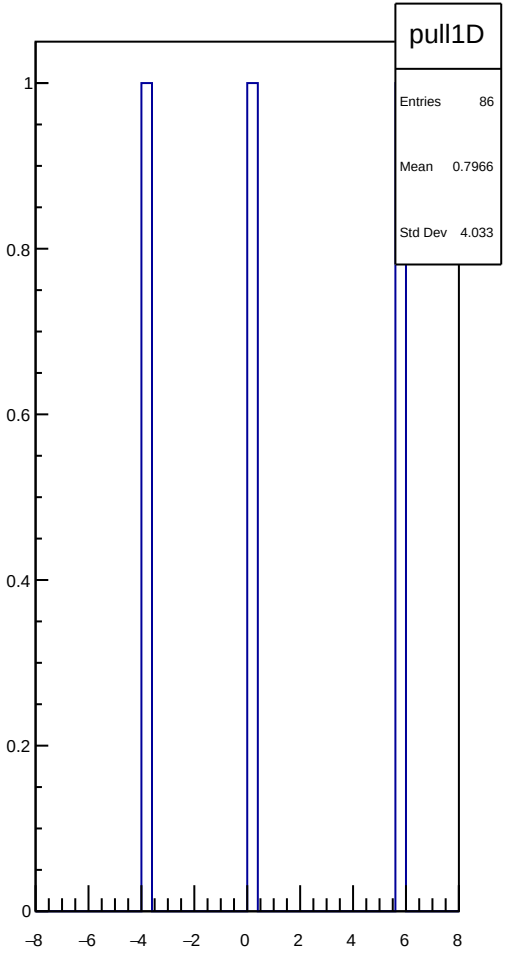

yield_bpm0i01WS_rms vs run
χ² / ndf 8.971e+04 / 85
p0 183.5 ± 0.1466
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

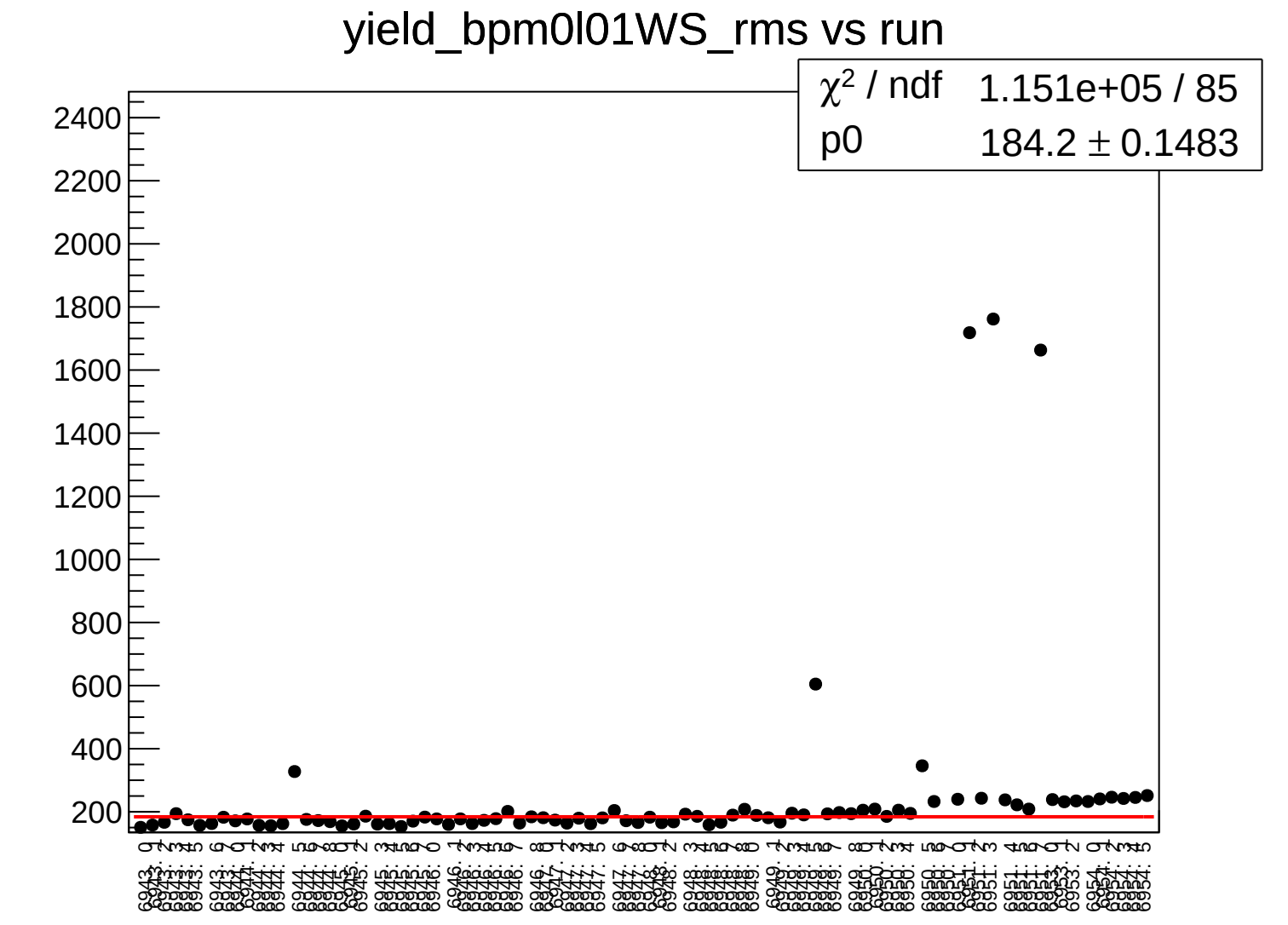

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.107e+07 / 85
p0 1.477e+05 ± 0.1853
148
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 86
Mean 607.1
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

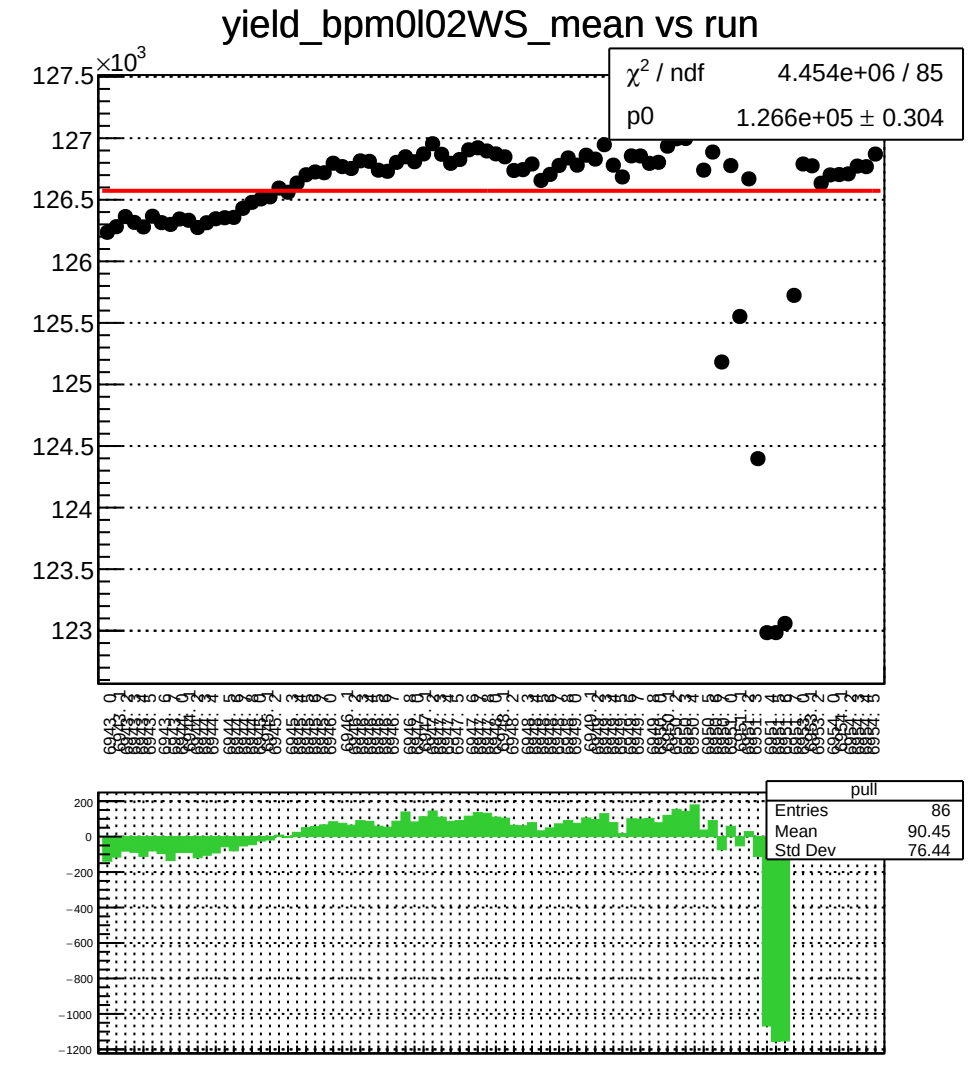

pull1D
Entries 86
Mean 1.241
Std Dev 3.995
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

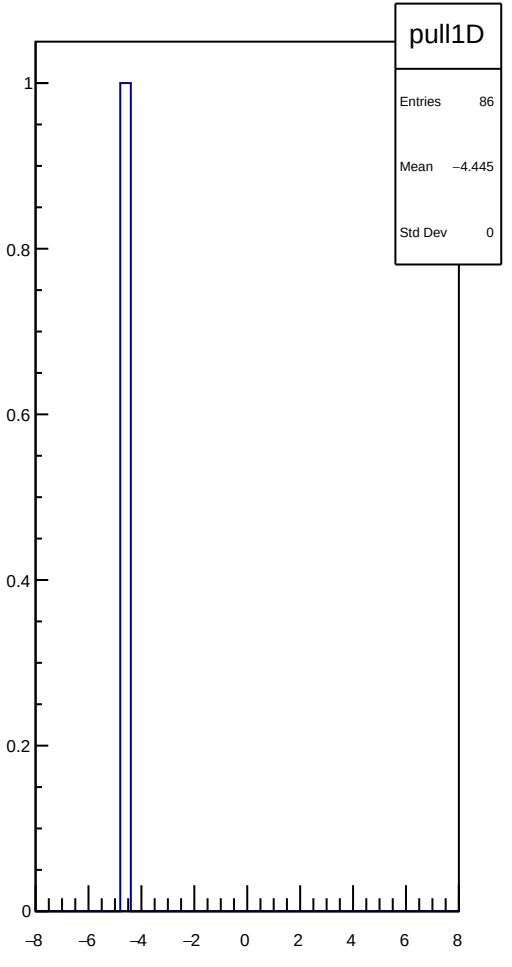

yield_bpm0i01aWS_rms vs run
χ² / ndf 9.008e+04 / 85
p0 164 ± 0.131
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

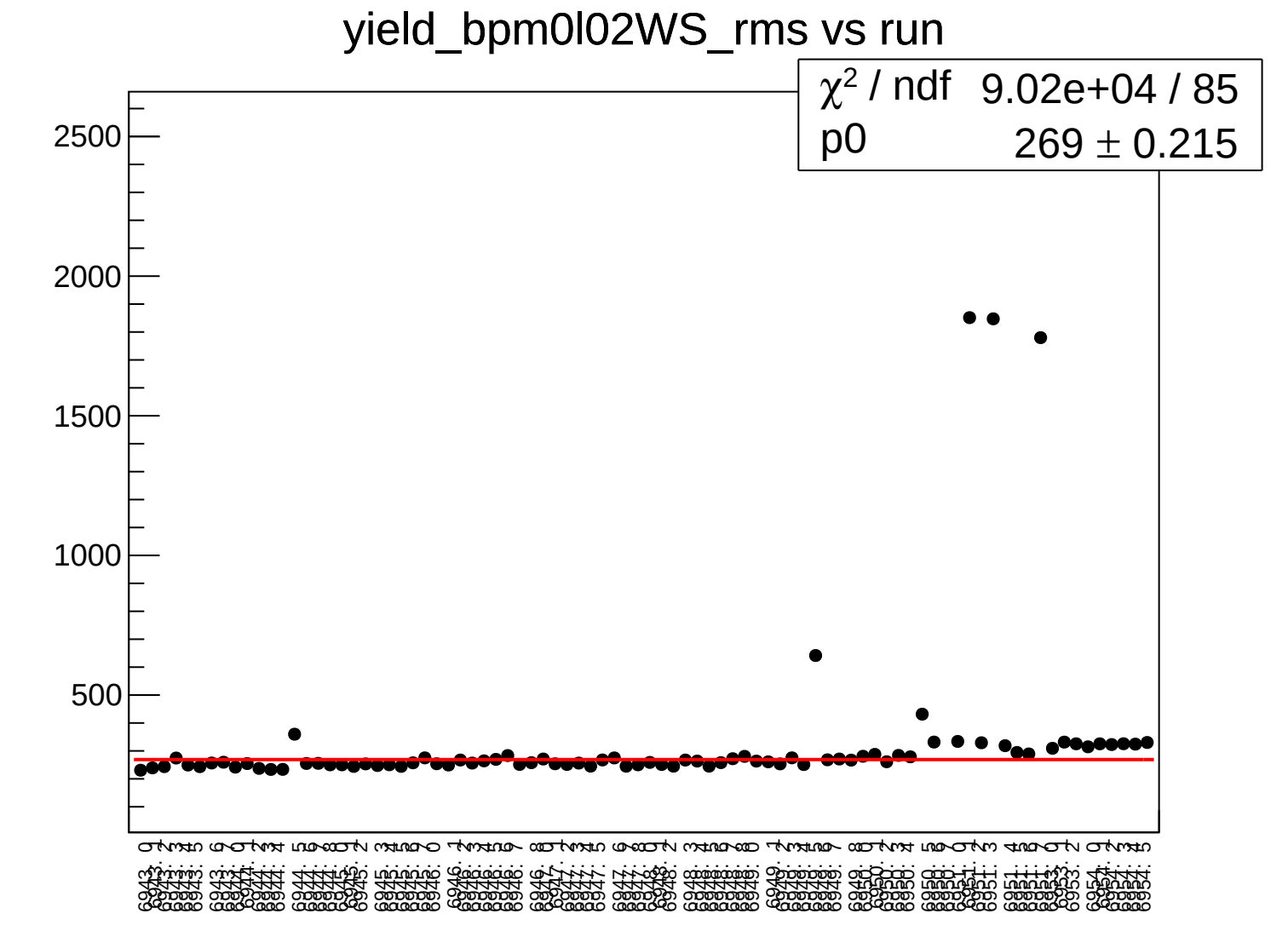

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 8.585e+06 / 85
p0 1.195e+05 ± 0.2098
120
119.5
119
118.5
118
117.5
117
116.5
116
115.5
pull
Entries 86
Mean 169.3
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

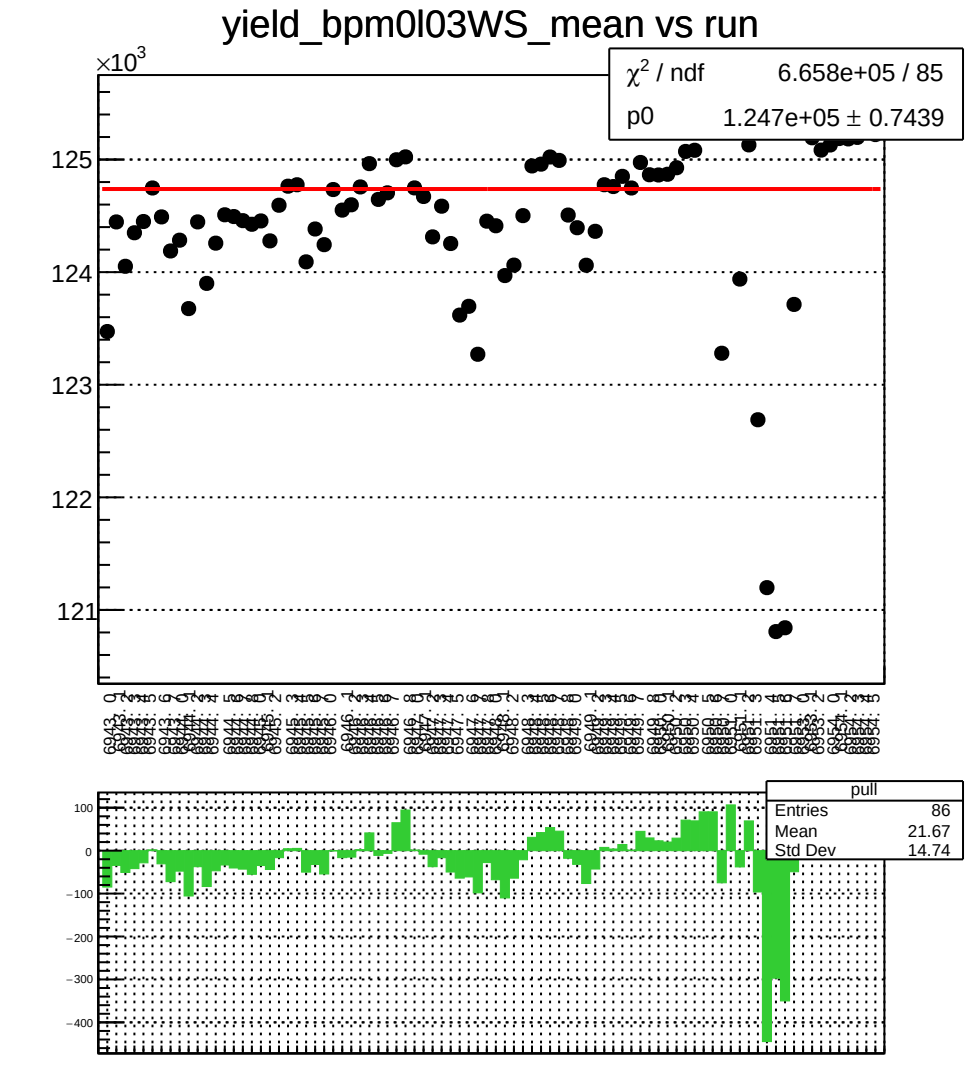

pull1D
Entries 86
Mean 0.7966
Std Dev 4.033
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

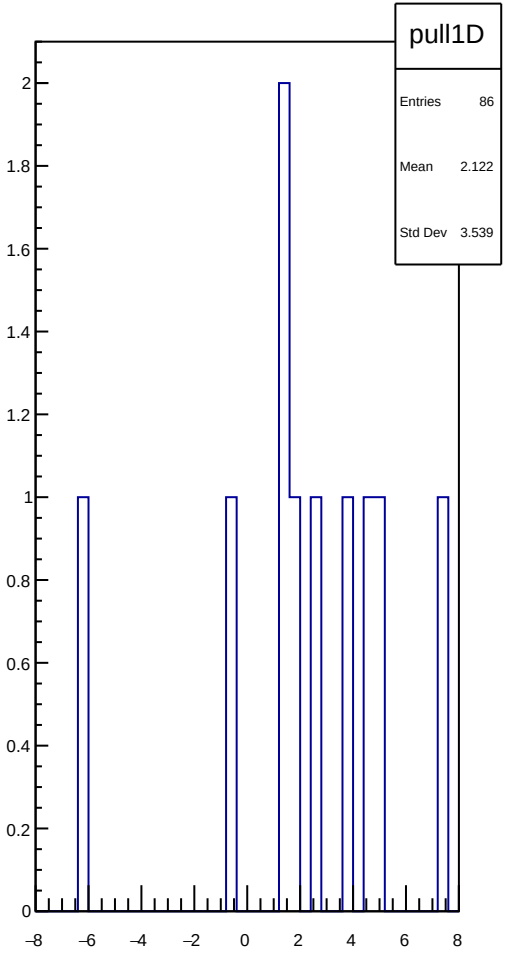

yield_bpm0l01WS_rms vs run
χ² / ndf 1.151e+05 / 85
p0 184.2 ± 0.1483
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

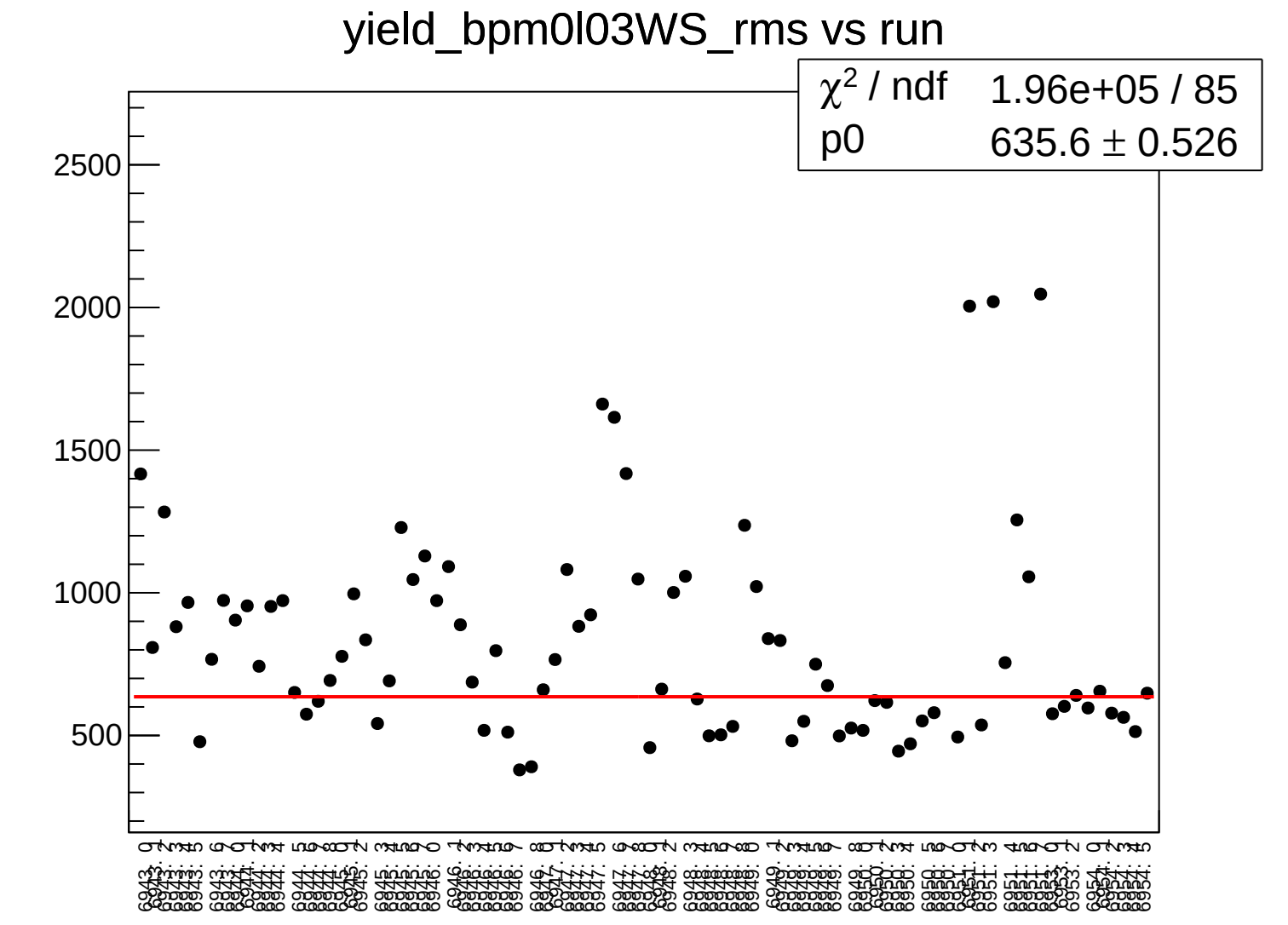

yield_bpm0l02WS_mean vs run
χ² / ndf 4.454e+06 / 85
p0 1.266e+05 ± 0.304
×10³
127.5
127
126.5
126
125.5
125
124.5
124
123.5
123
pull
Entries 86
Mean 90.45
Std Dev 76.44
200
0
−200
−400
−600
−800
−1000
−1200

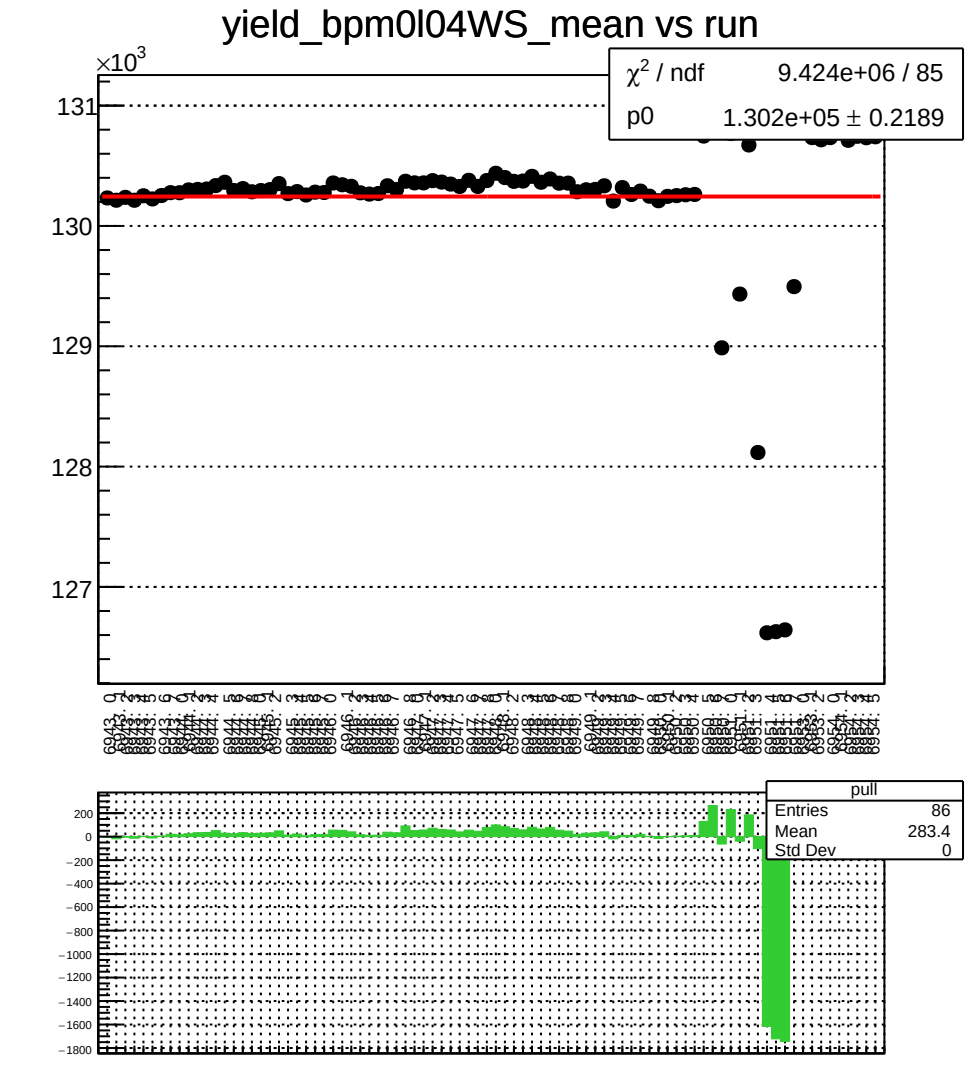

pull1D
Entries 86
Mean −4.445
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

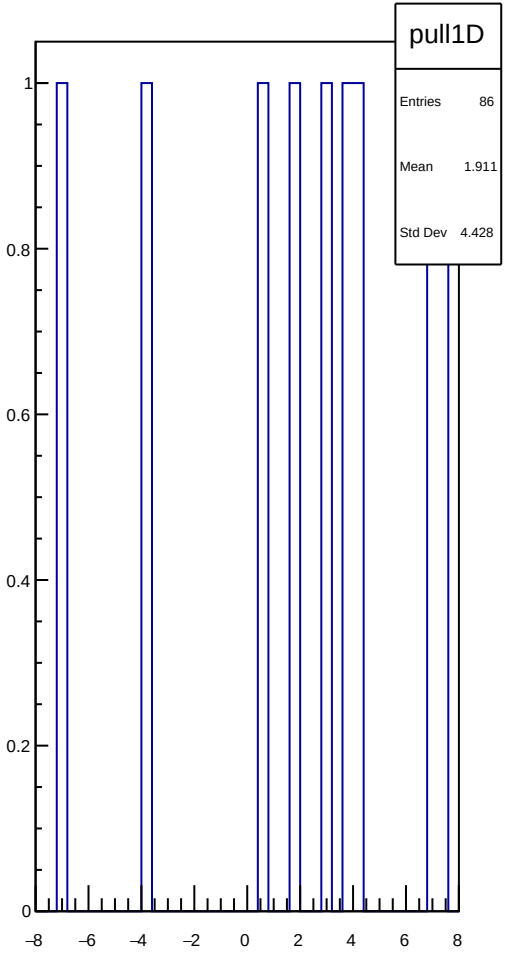

yield_bpm0l02WS_rms vs run
χ² / ndf 9.02e+04 / 85
p0 269 ± 0.215
2500
2000
1500
1000
500

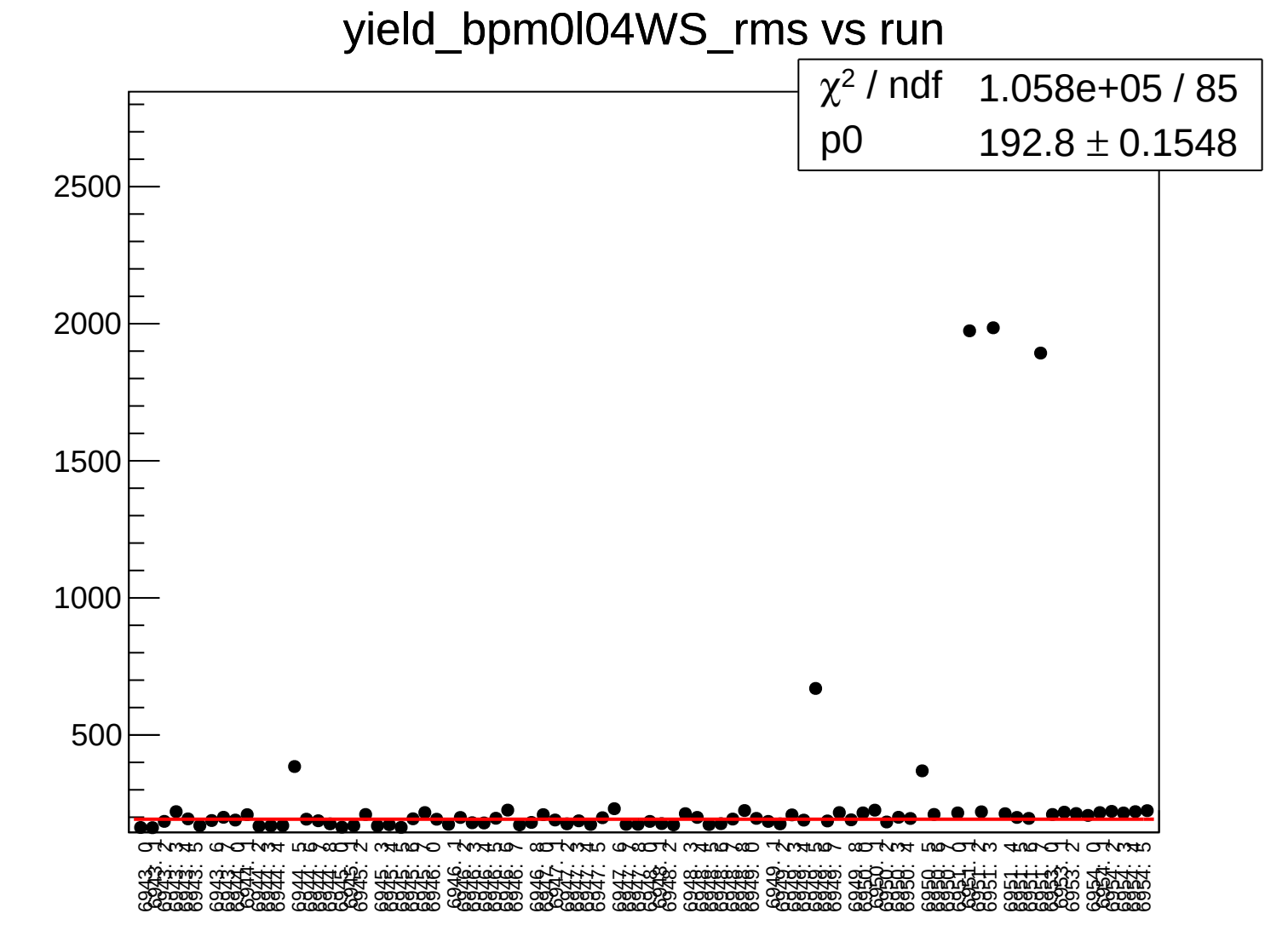

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 6.658e+05 / 85
p0 1.247e+05 ± 0.7439
125
124
123
122
121
pull
Entries 86
Mean 21.67
Std Dev 14.74
100
0
−100
−200
−300
−400

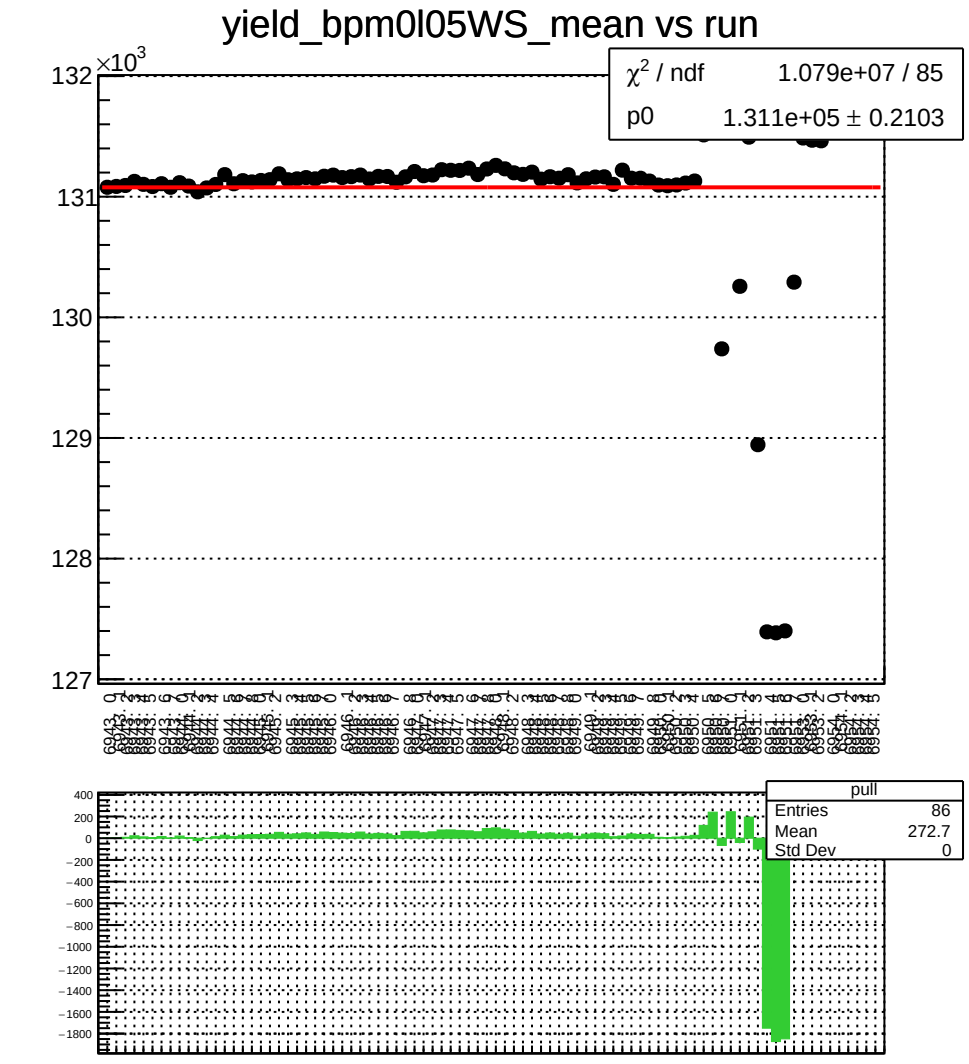

pull1D
Entries 86
Mean 2.122
Std Dev 3.539
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

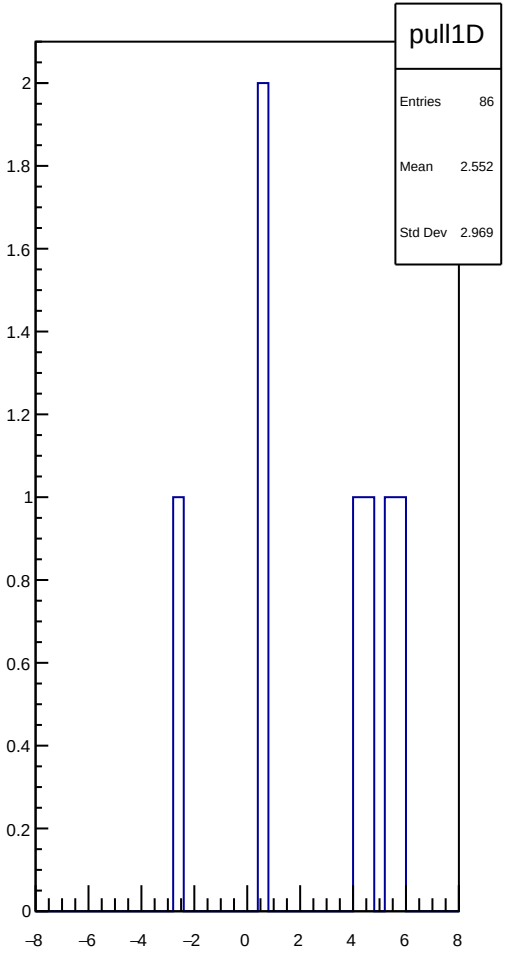

yield_bpm0l03WS_rms vs run
χ² / ndf 1.96e+05 / 85
p0 635.6 ± 0.526
2500
2000
1500
1000
500

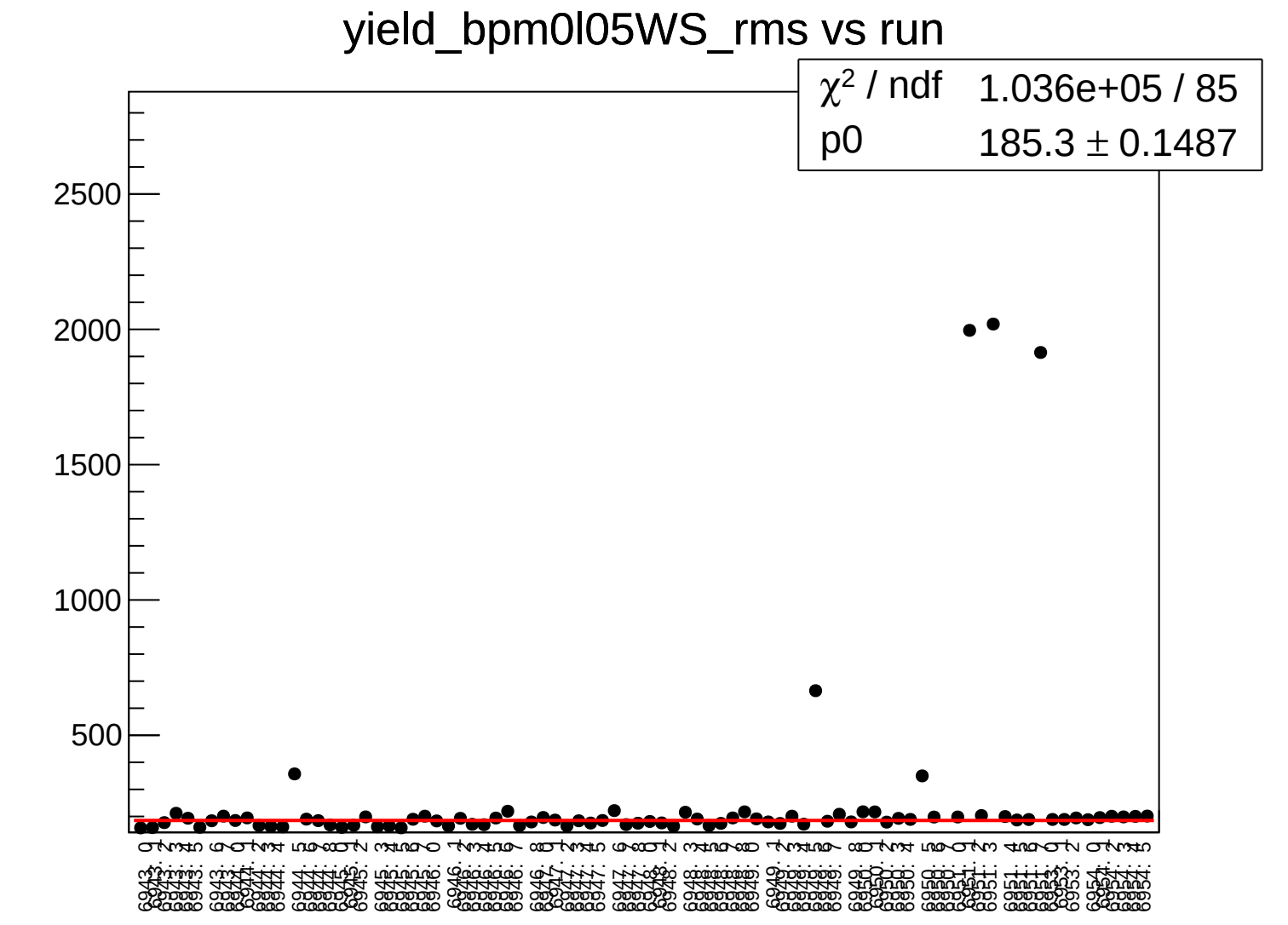

yield_bpm0l04WS_mean vs run
×10^3
131
130
129
128
127
χ² / ndf 9.424e+06 / 85
p0 1.302e+05 ± 0.2189
pull
Entries 86
Mean 283.4
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

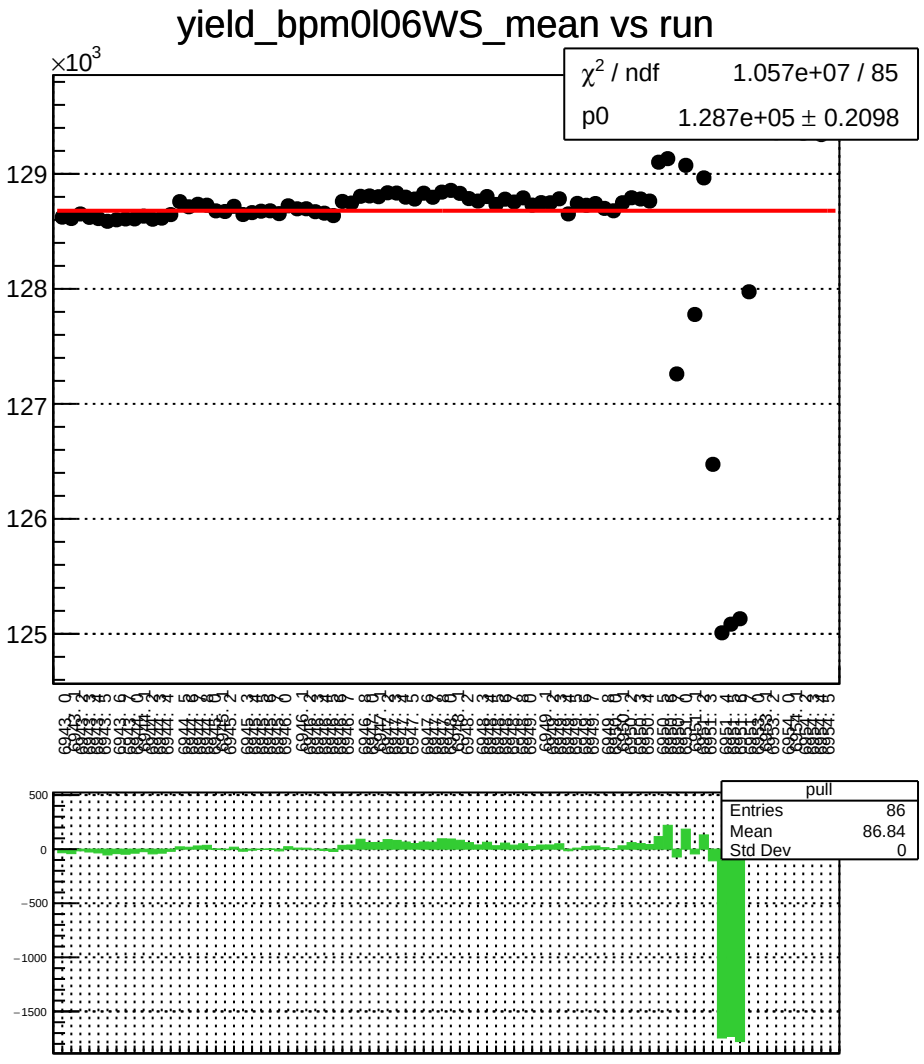

pull1D
Entries 86
Mean 1.911
Std Dev 4.428
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

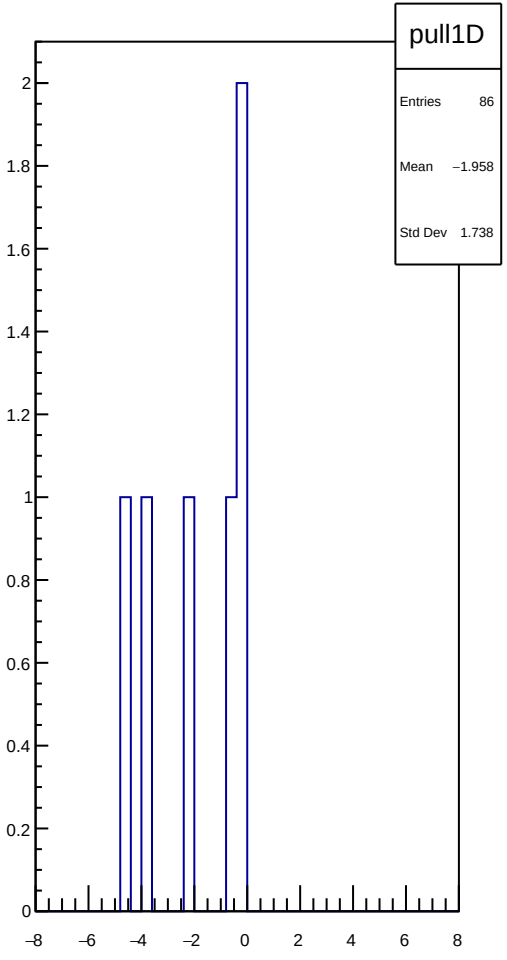

yield_bpm0l04WS_rms vs run
χ² / ndf 1.058e+05 / 85
p0 192.8 ± 0.1548
2500
2000
1500
1000
500

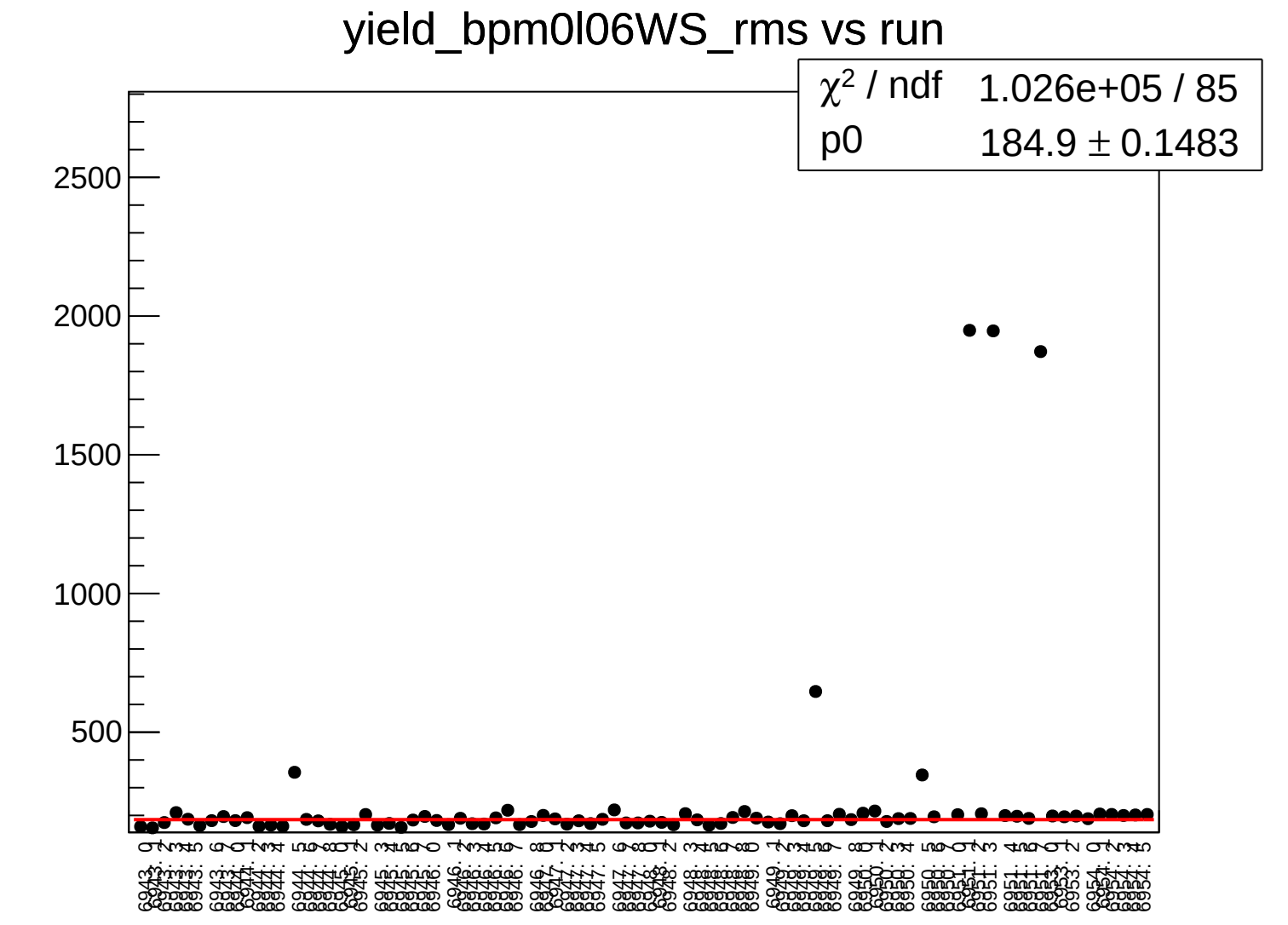

yield_bpm0l05WS_mean vs run
χ² / ndf 1.079e+07 / 85
p0 1.311e+05 ± 0.2103
×10³
132
131
130
129
128
127
pull
Entries 86
Mean 272.7
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

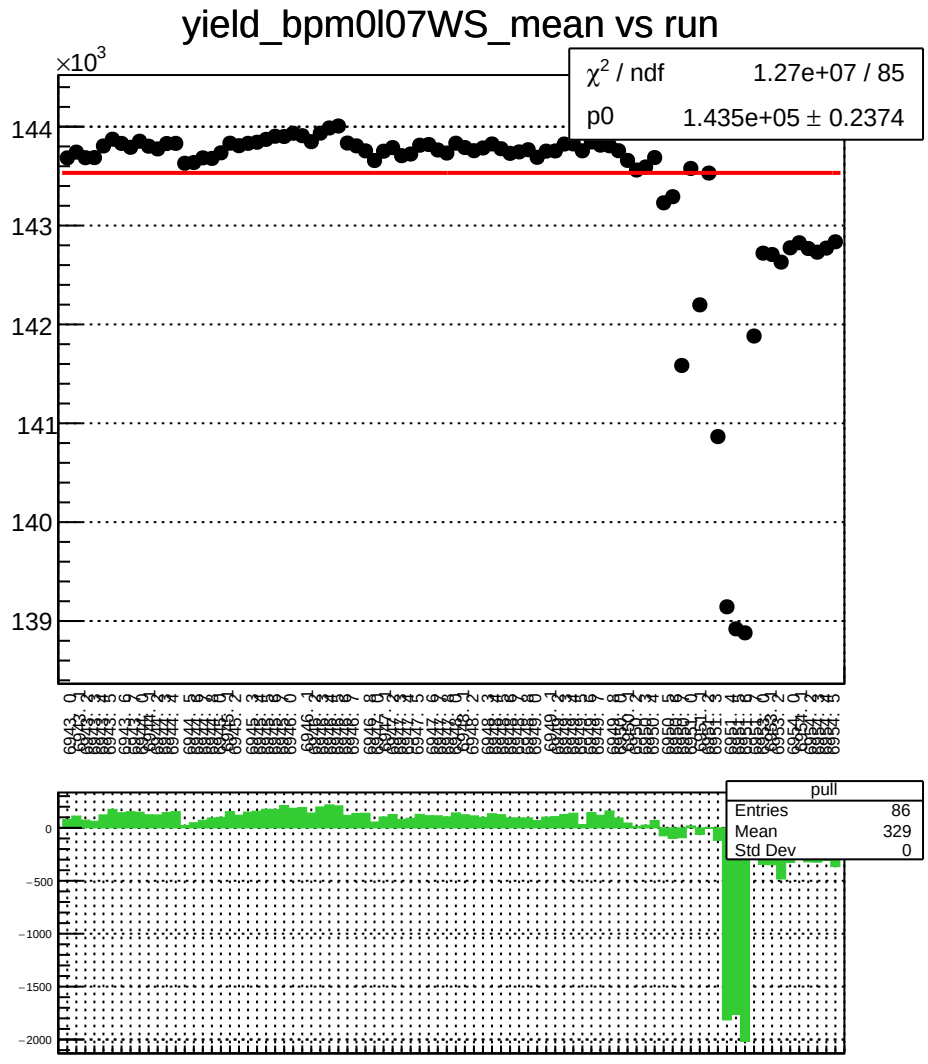

pull1D
Entries 86
Mean 2.552
Std Dev 2.969
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

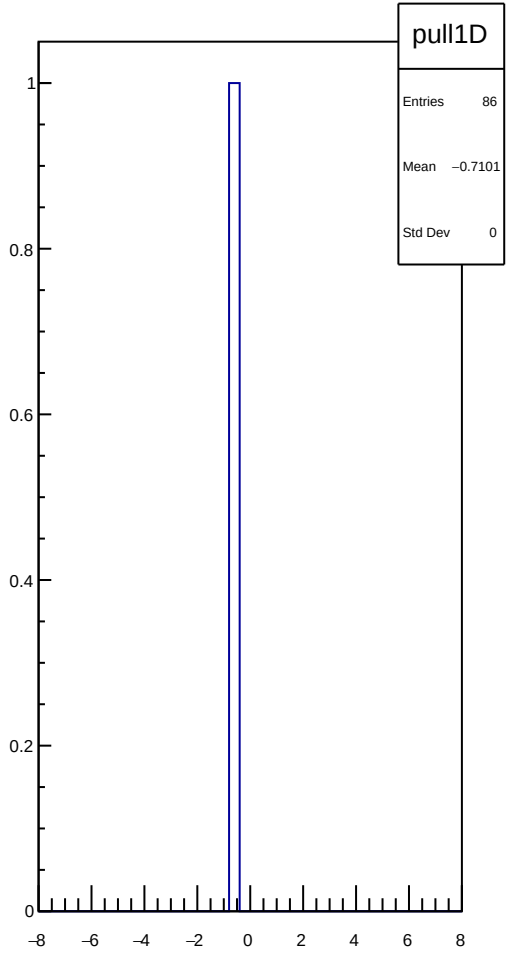

yield_bpm0l05WS_rms vs run
χ² / ndf 1.036e+05 / 85
p0 185.3 ± 0.1487
2500
2000
1500
1000
500

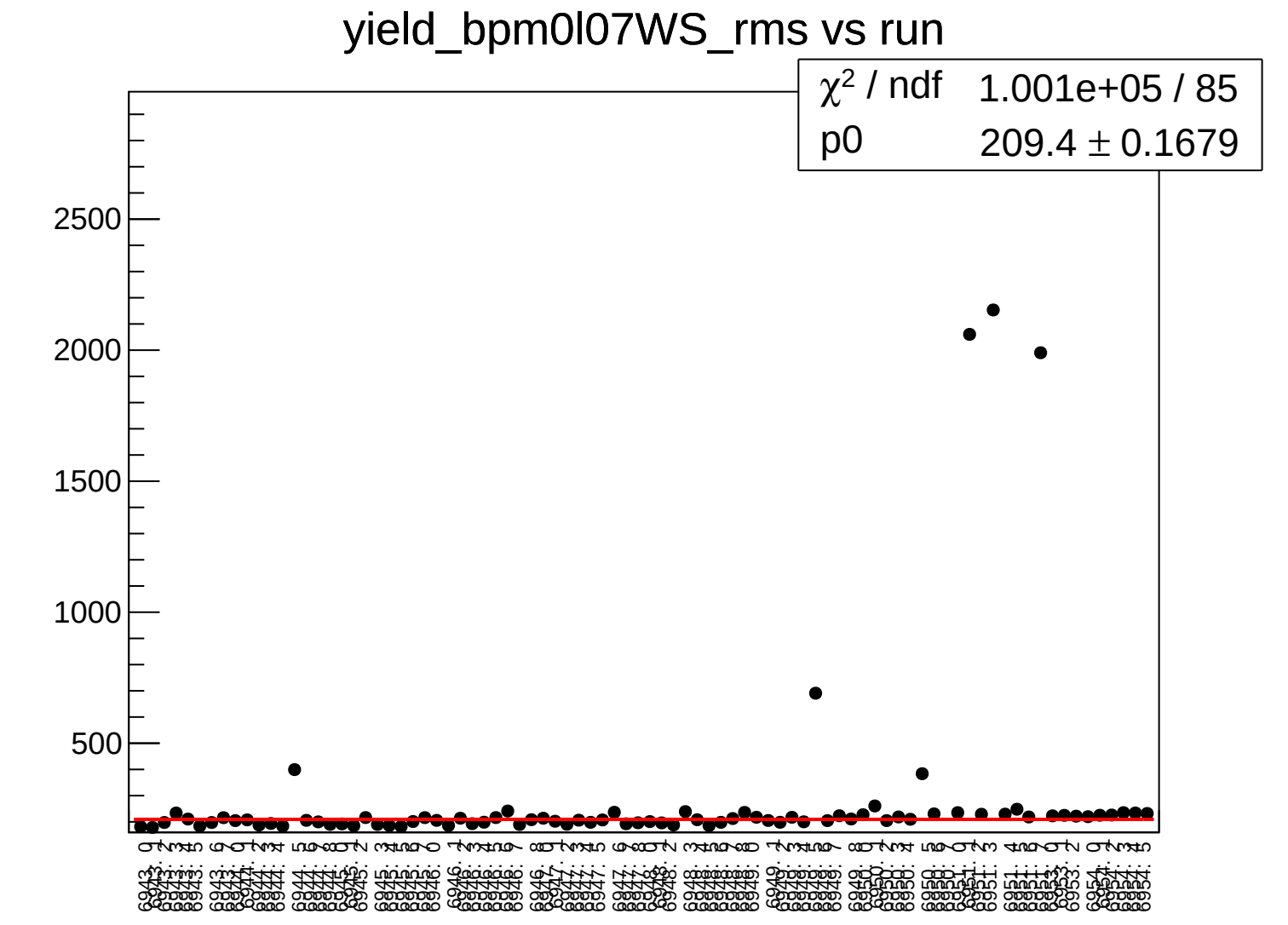

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 1.057e+07 / 85
p0 1.287e+05 ± 0.2098
129
128
127
126
125
pull
Entries 86
Mean 86.84
Std Dev 0
500
0
−500
−1000
−1500

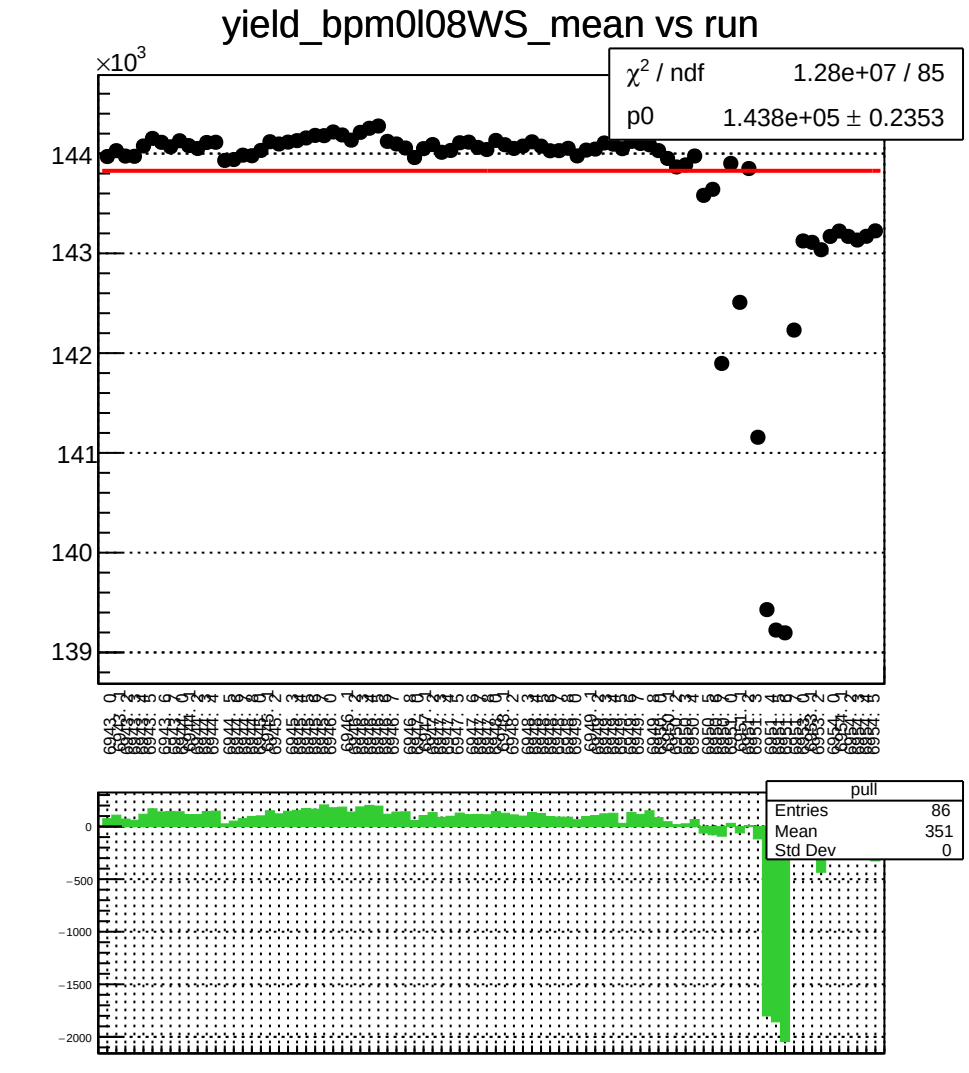

pull1D
Entries 86
Mean −1.958
Std Dev 1.738
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

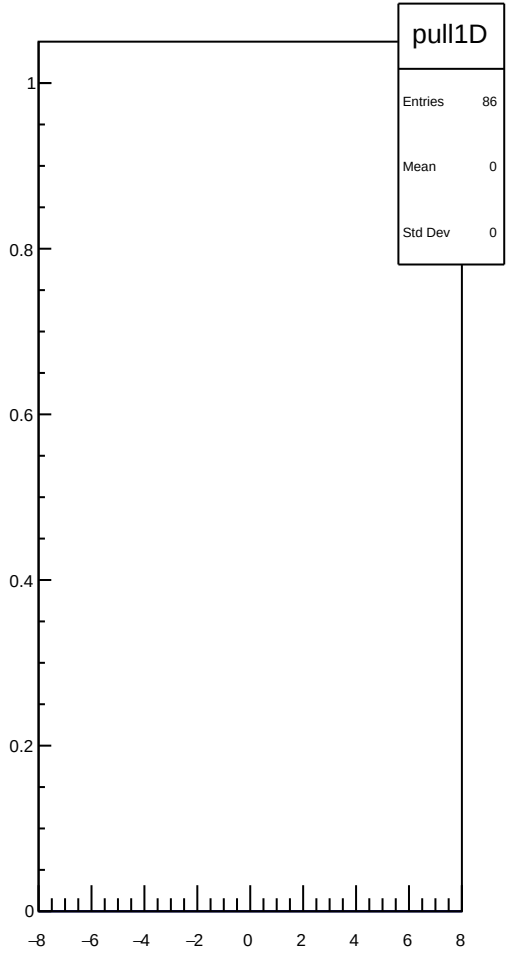

yield_bpm0l06WS_rms vs run
χ² / ndf 1.026e+05 / 85
p0 184.9 ± 0.1483
2500
2000
1500
1000
500

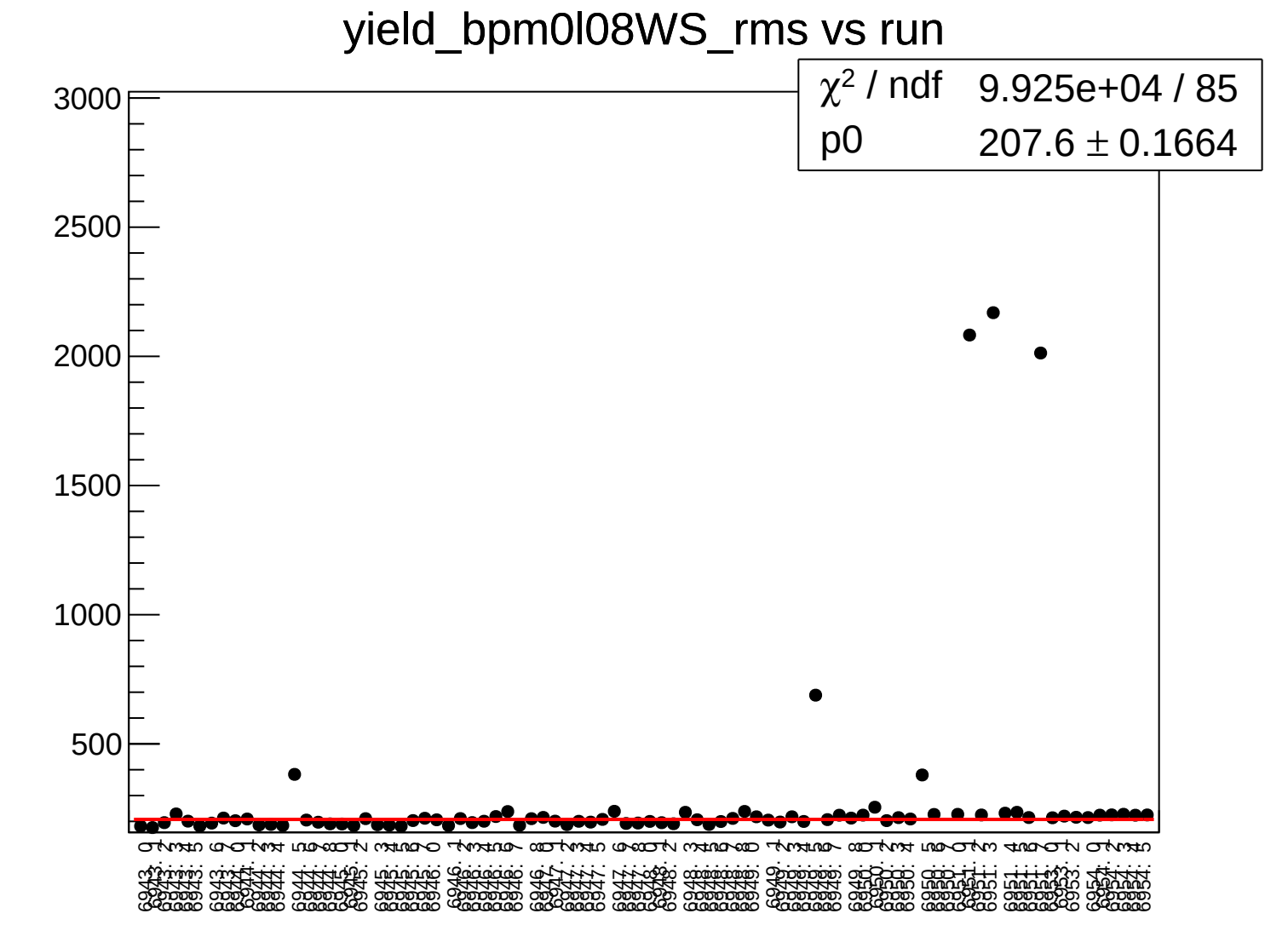

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.27e+07 / 85
p0 1.435e+05 ± 0.2374
144
143
142
141
140
139
pull
Entries 86
Mean 329
Std Dev 0
0
−500
−1000
−1500
−2000

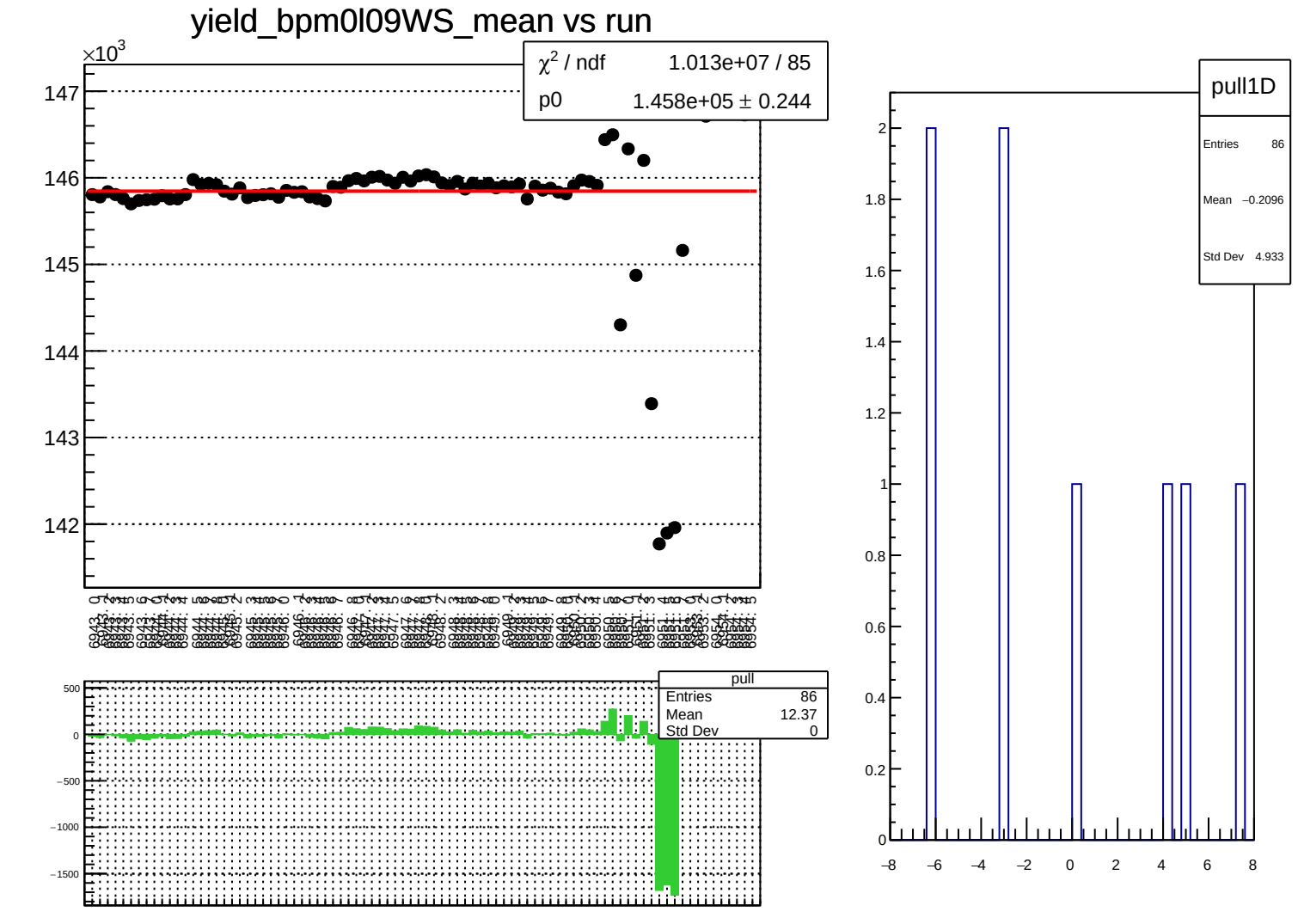

pull1D
Entries 86
Mean −0.7101
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

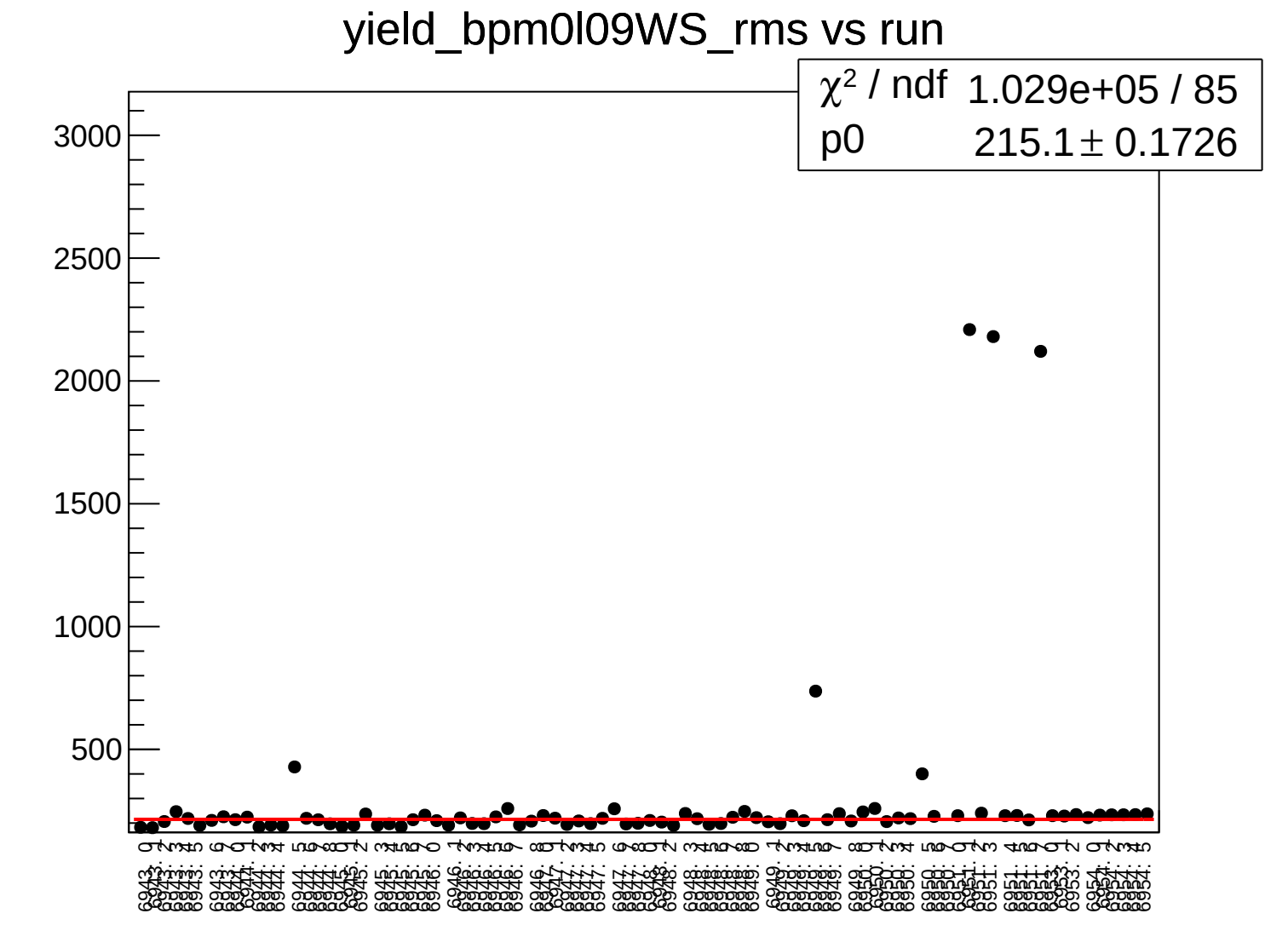

yield_bpm0l07WS_rms vs run
χ² / ndf 1.001e+05 / 85
p0 209.4 ± 0.1679
2500
2000
1500
1000
500

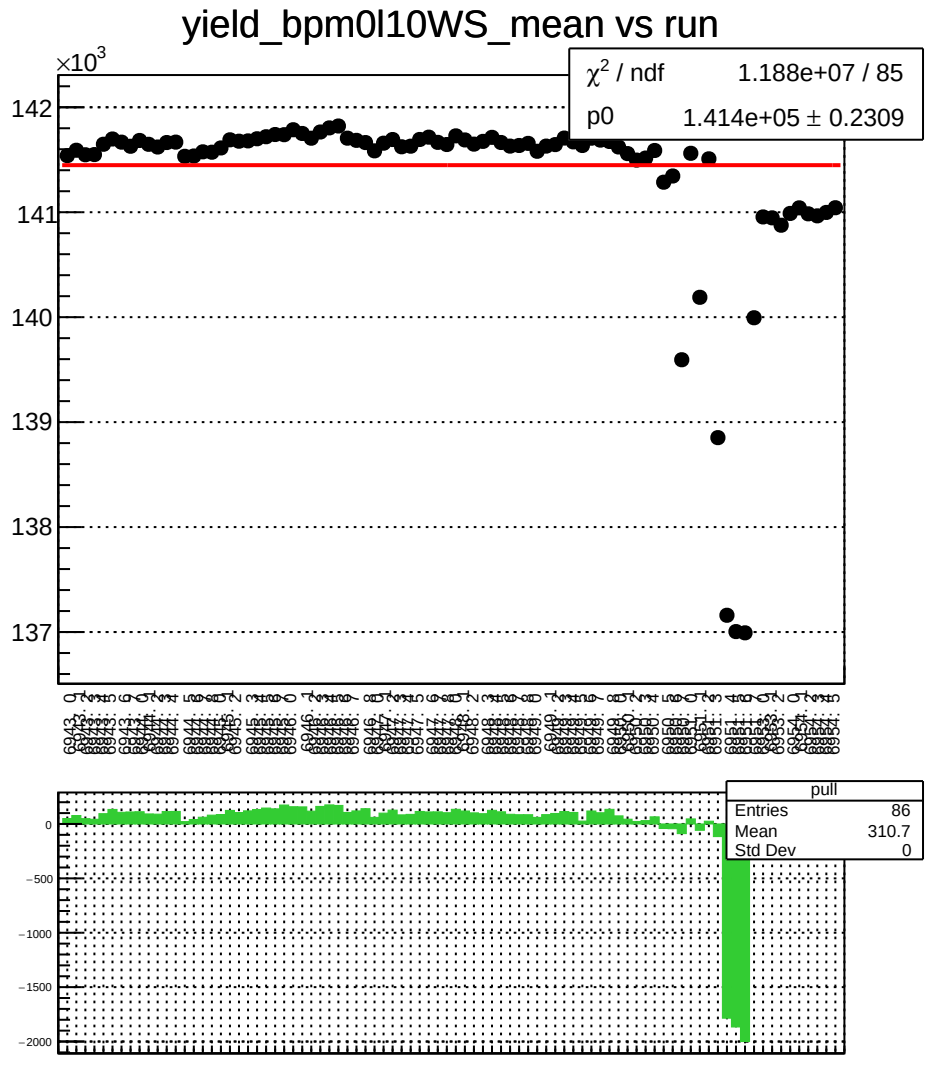

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.28e+07 / 85
p0 1.438e+05 ± 0.2353
144
143
142
141
140
139
pull
Entries 86
Mean 351
Std Dev 0
0
−500
−1000
−1500
−2000

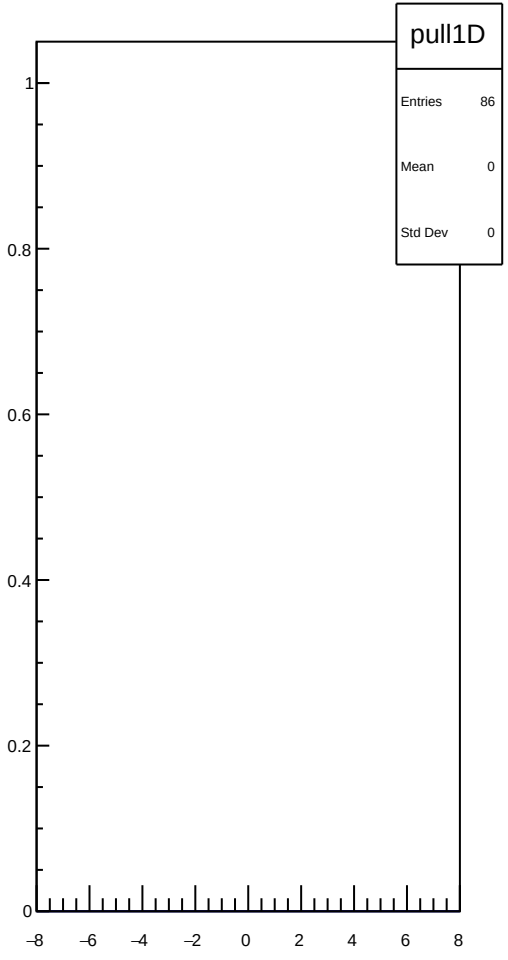

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

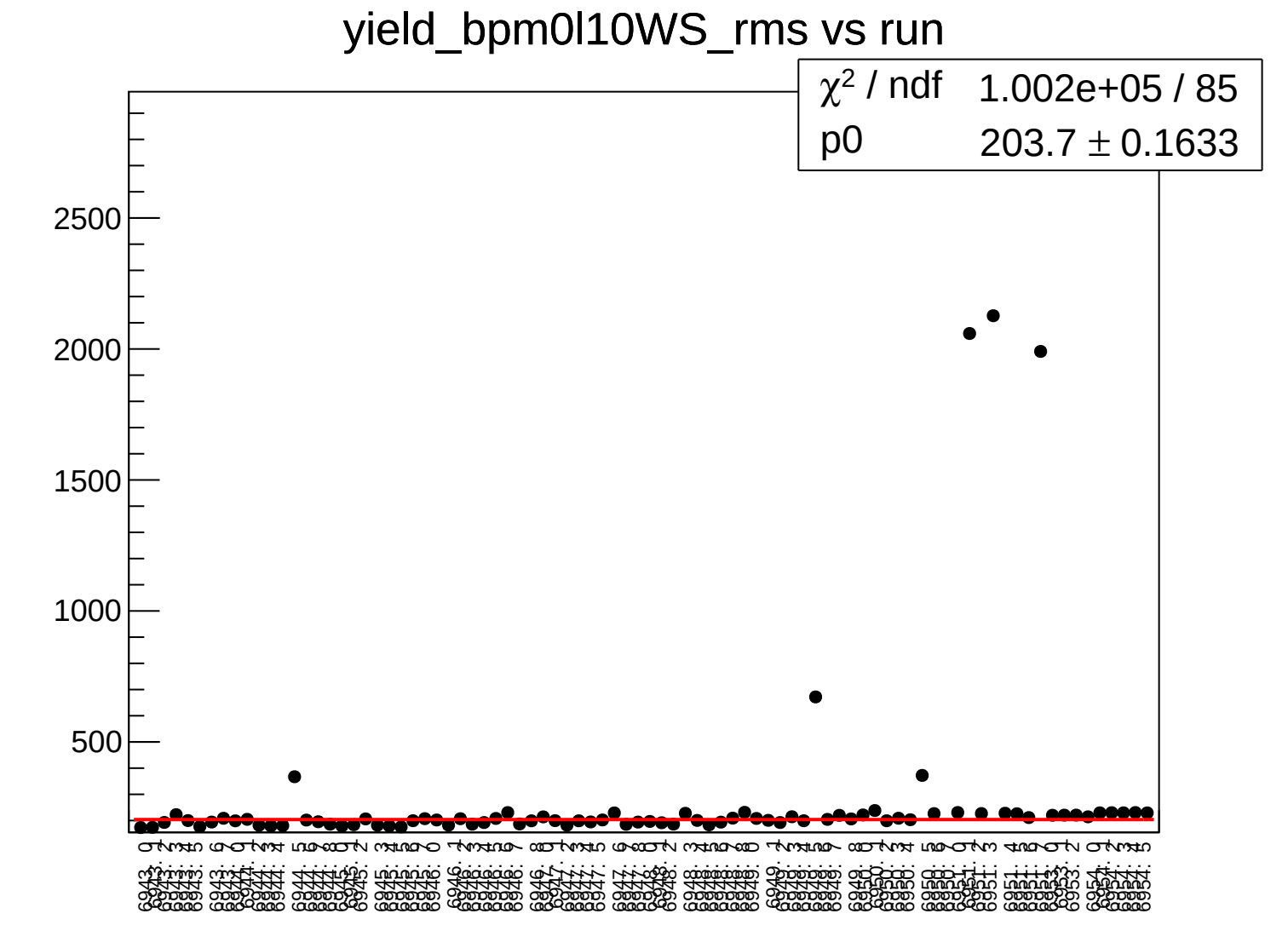

yield_bpm0l08WS_rms vs run
χ² / ndf 9.925e+04 / 85
p0 207.6 ± 0.1664
3000
2500
2000
1500
1000
500

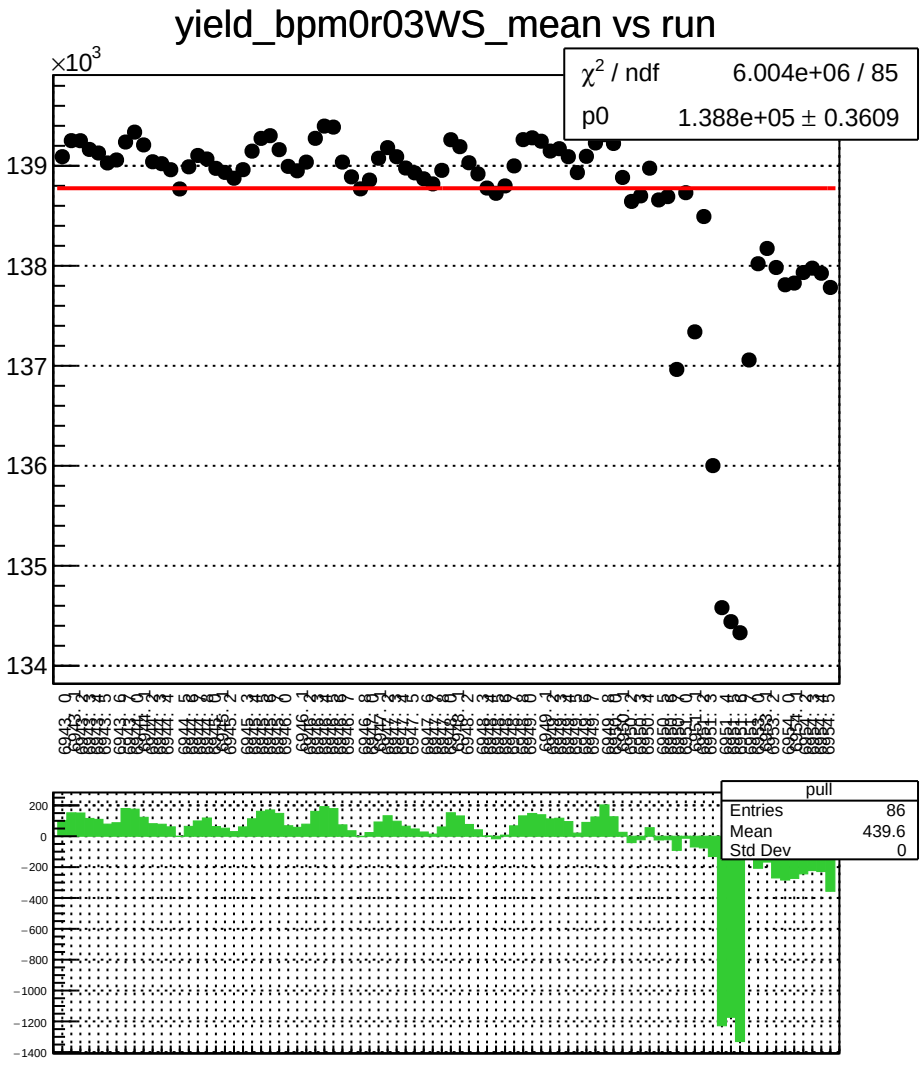

yield_bpm0l09WS_mean vs run
×10^3
147
146
145
144
143
142
χ² / ndf 1.013e+07 / 85
p0 1.458e+05 ± 0.244
pull
Entries 86
Mean 12.37
Std Dev 0
500
0
−500
−1000
−1500
pull1D
Entries 86
Mean −0.2096
Std Dev 4.933
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

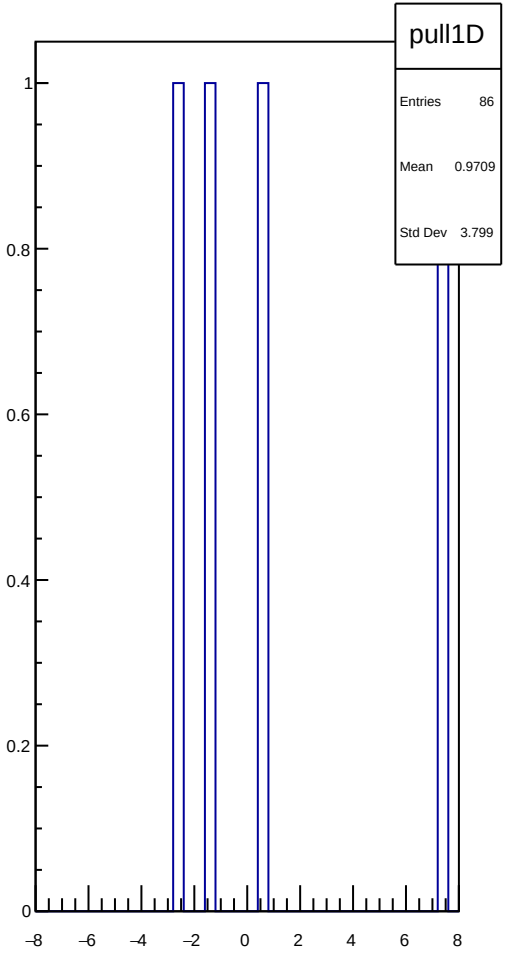

yield_bpm0l09WS_rms vs run
χ² / ndf 1.029e+05 / 85
p0 215.1 ± 0.1726
3000
2500
2000
1500
1000
500

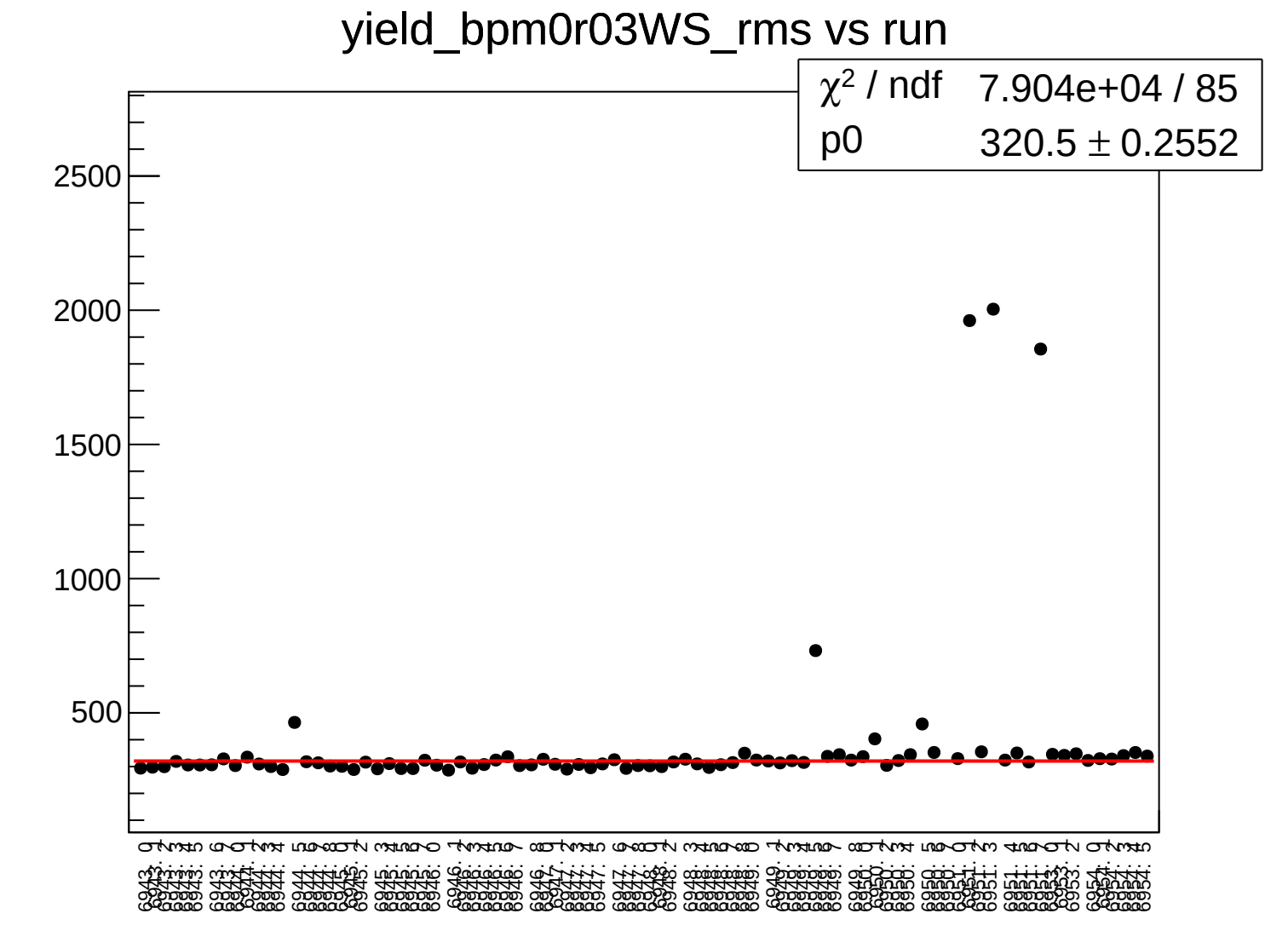

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.188e+07 / 85
p0 1.414e+05 ± 0.2309
142
141
140
139
138
137
pull
Entries 86
Mean 310.7
Std Dev 0
0
−500
−1000
−1500
−2000

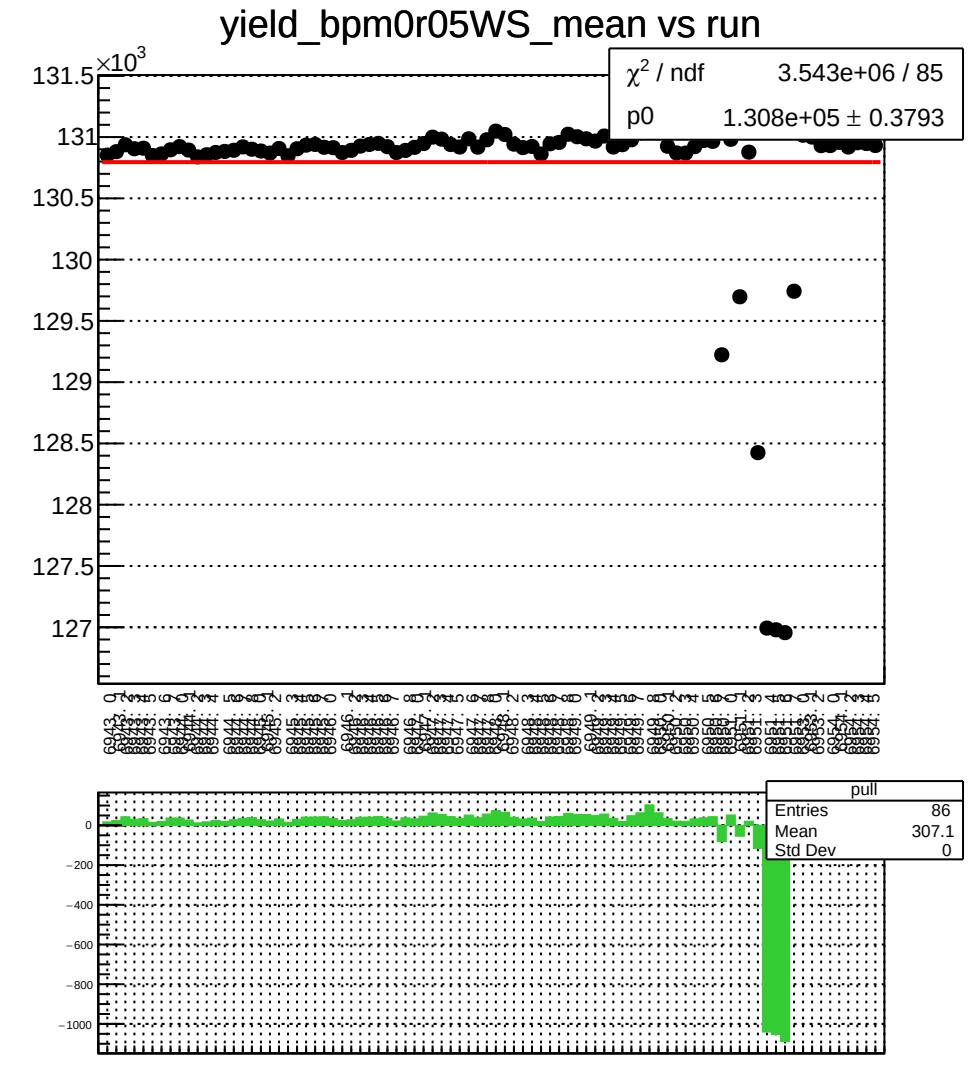

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

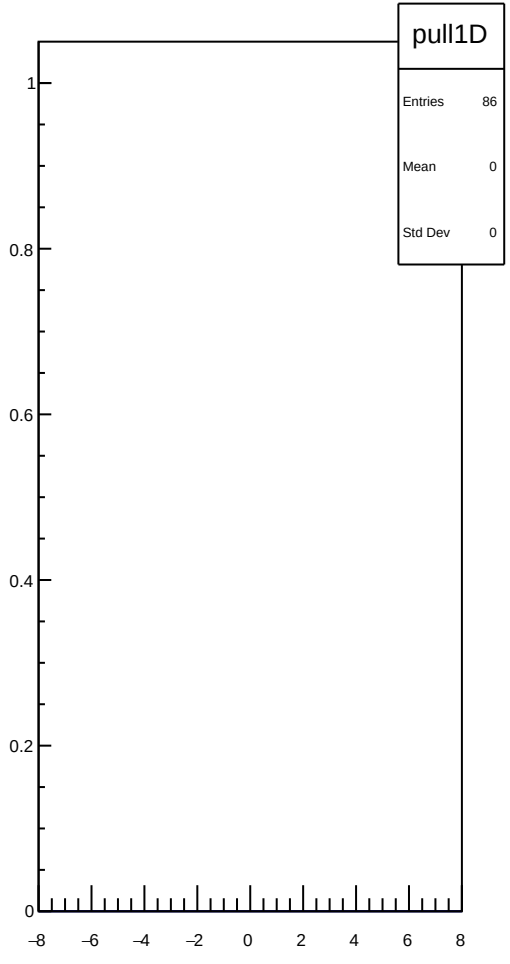

yield_bpm0l10WS_rms vs run
χ² / ndf 1.002e+05 / 85
p0 203.7 ± 0.1633
2500
2000
1500
1000
500

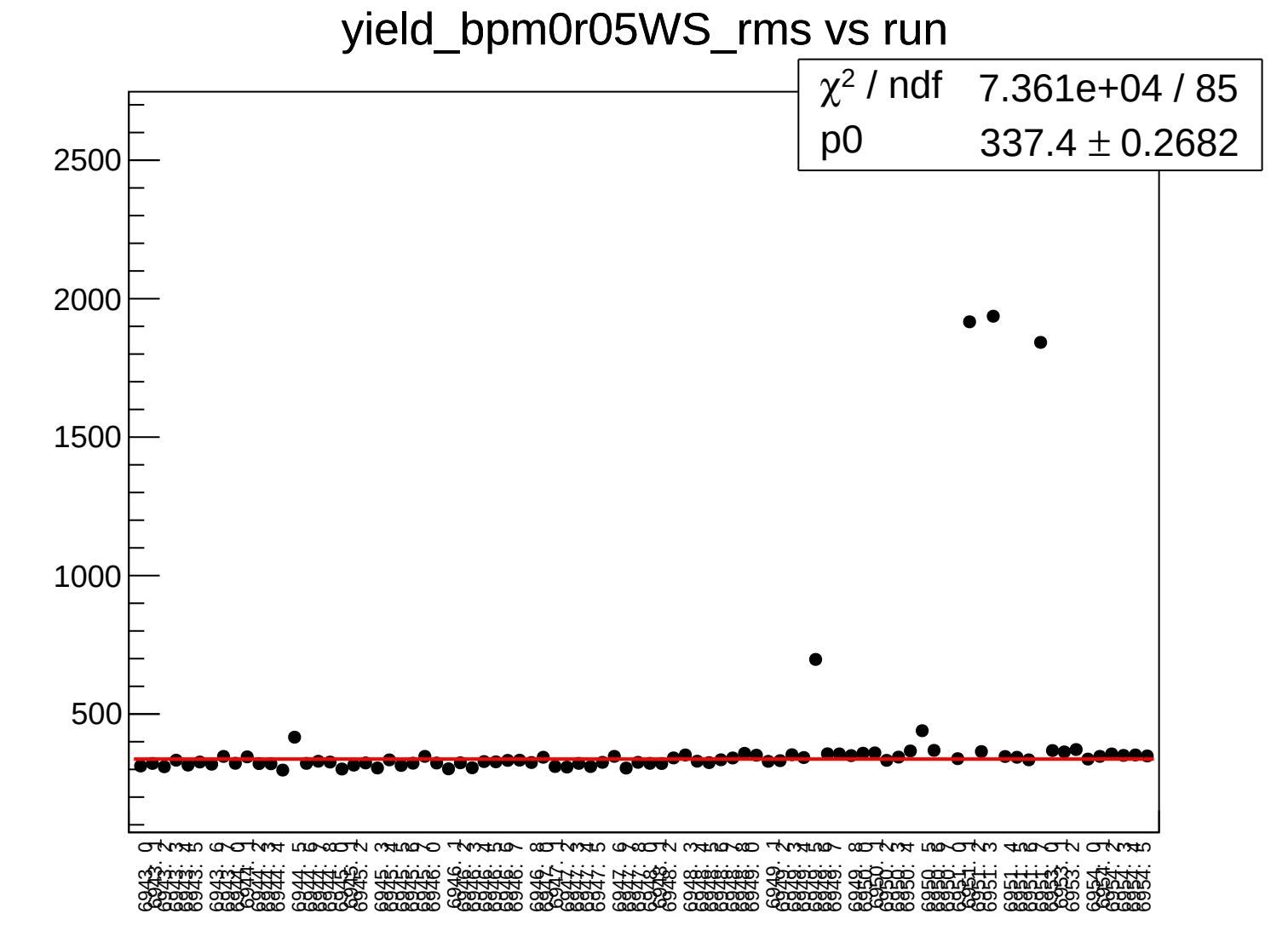

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 6.004e+06 / 85
p0 1.388e+05 ± 0.3609
139
138
137
136
135
134
pull
Entries 86
Mean 439.6
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400

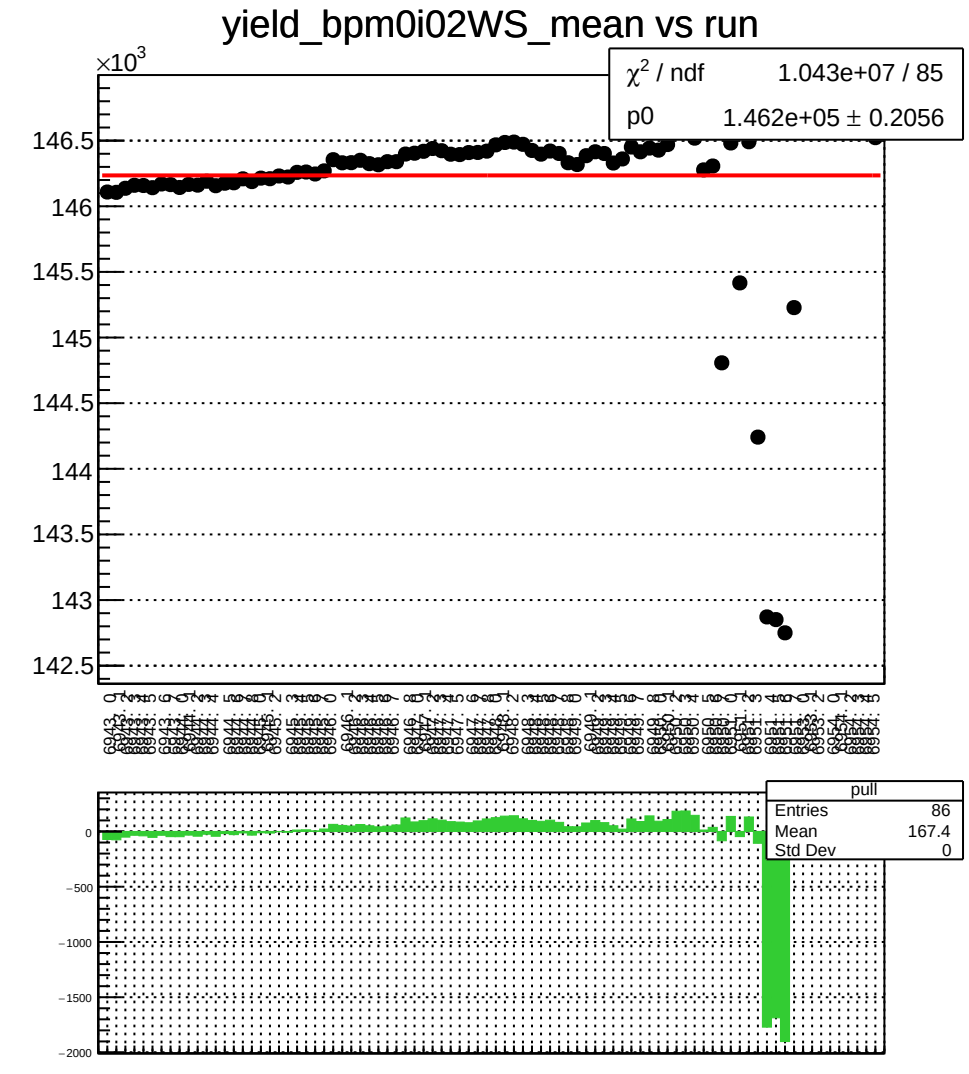

pull1D
Entries 86
Mean 0.9709
Std Dev 3.799
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

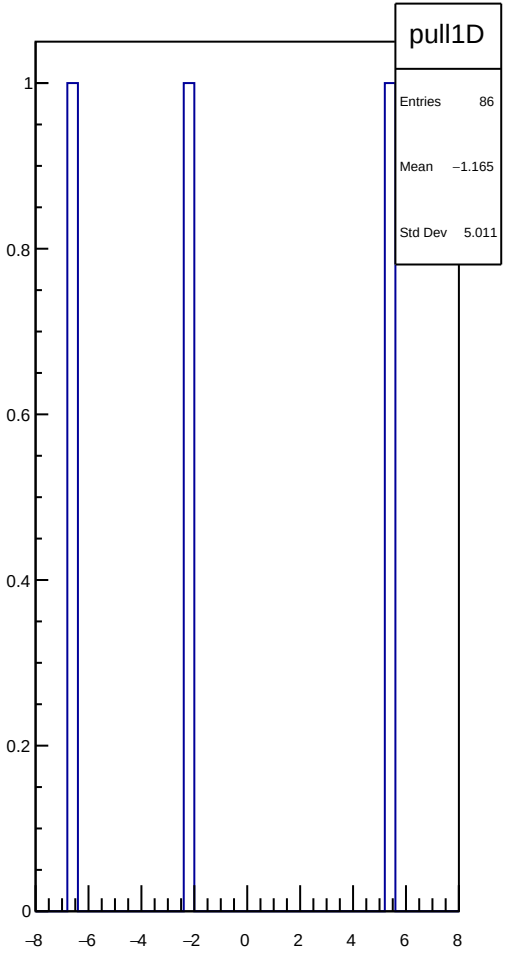

yield_bpm0r03WS_rms vs run
χ² / ndf 7.904e+04 / 85
p0 320.5 ± 0.2552
2500
2000
1500
1000
500

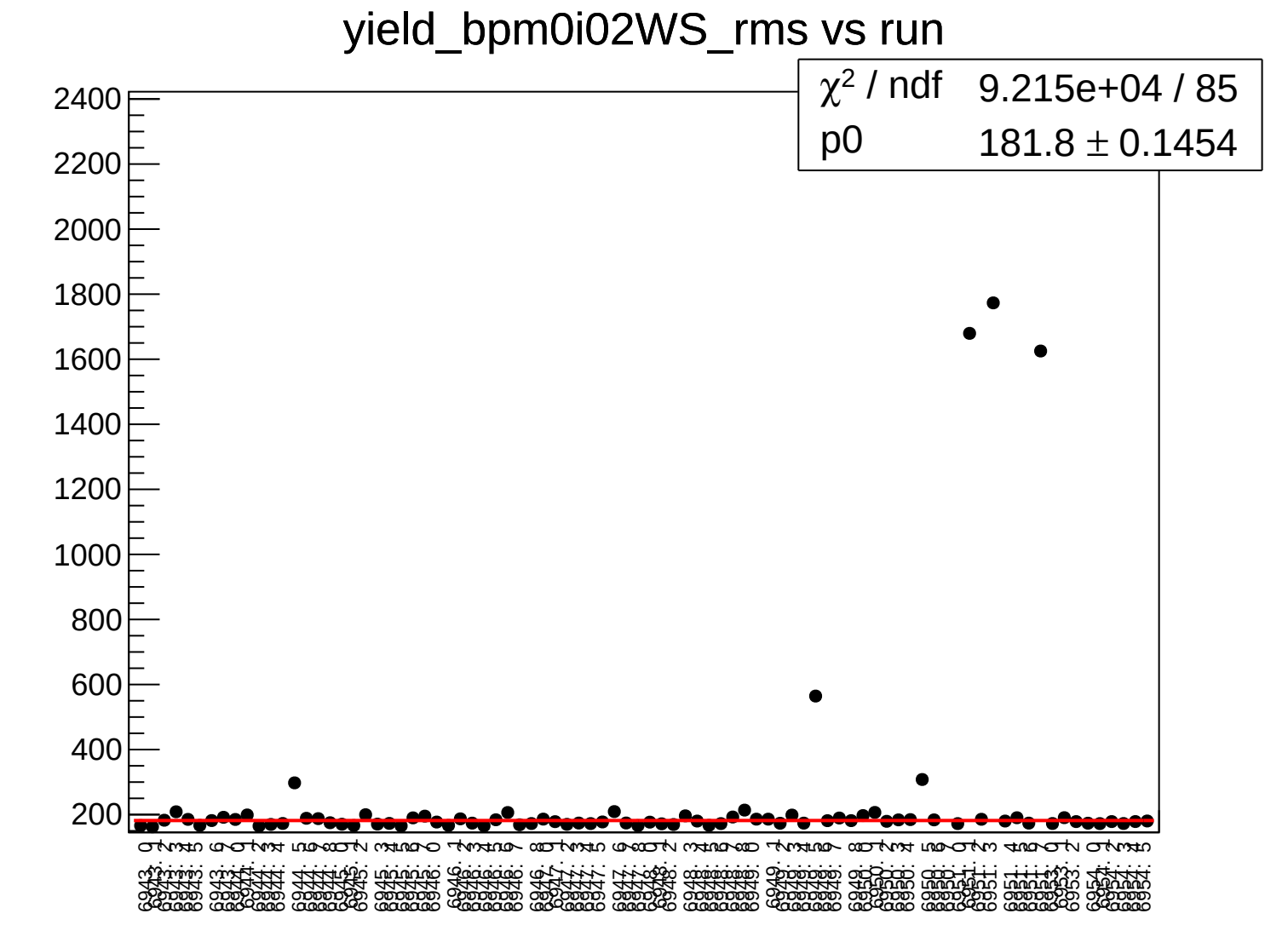

yield_bpm0r05WS_mean vs run
×10^3
131.5
131
130.5
130
129.5
129
128.5
128
127.5
127
χ² / ndf 3.543e+06 / 85
p0 1.308e+05 ± 0.3793
pull
Entries 86
Mean 307.1
Std Dev 0
0
−200
−400
−600
−800
−1000

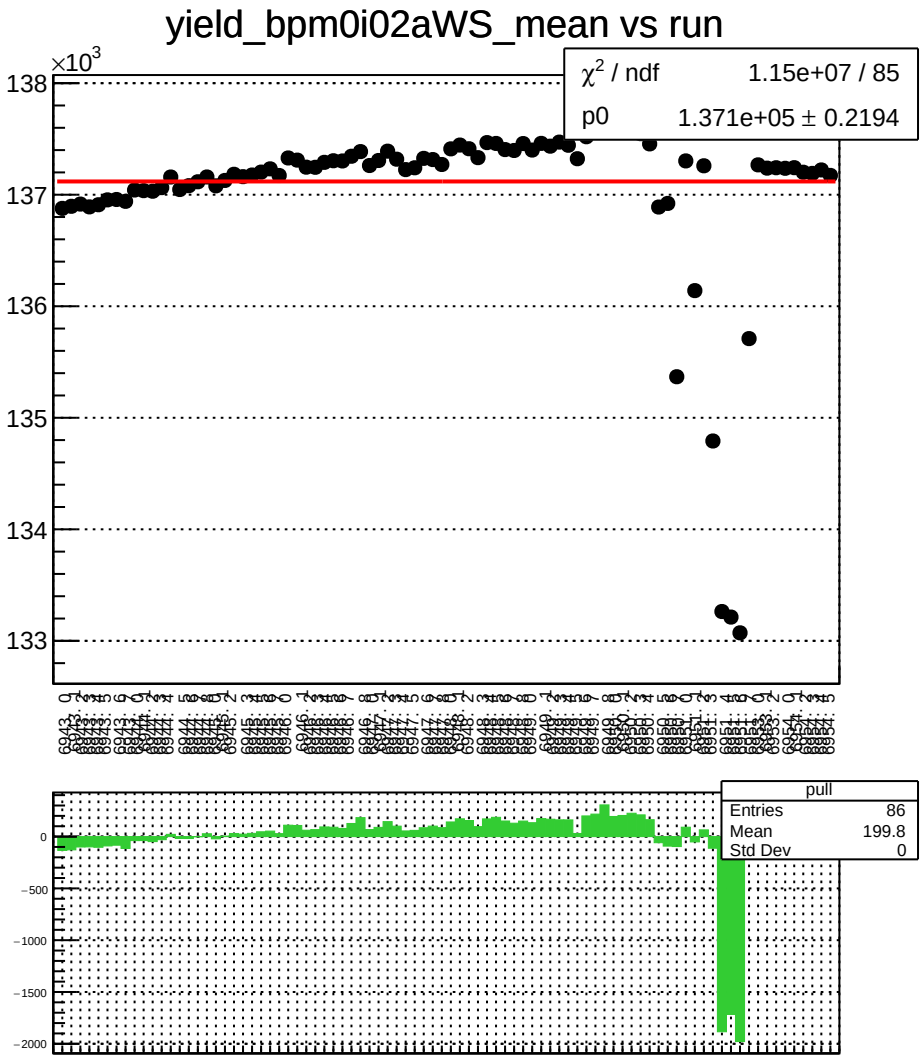

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

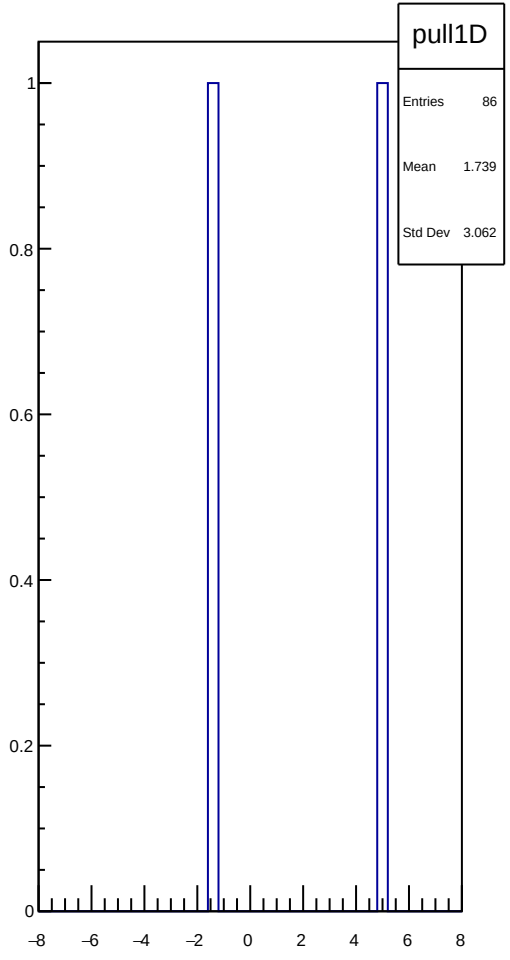

yield_bpm0r05WS_rms vs run
χ² / ndf 7.361e+04 / 85
p0 337.4 ± 0.2682
2500
2000
1500
1000
500

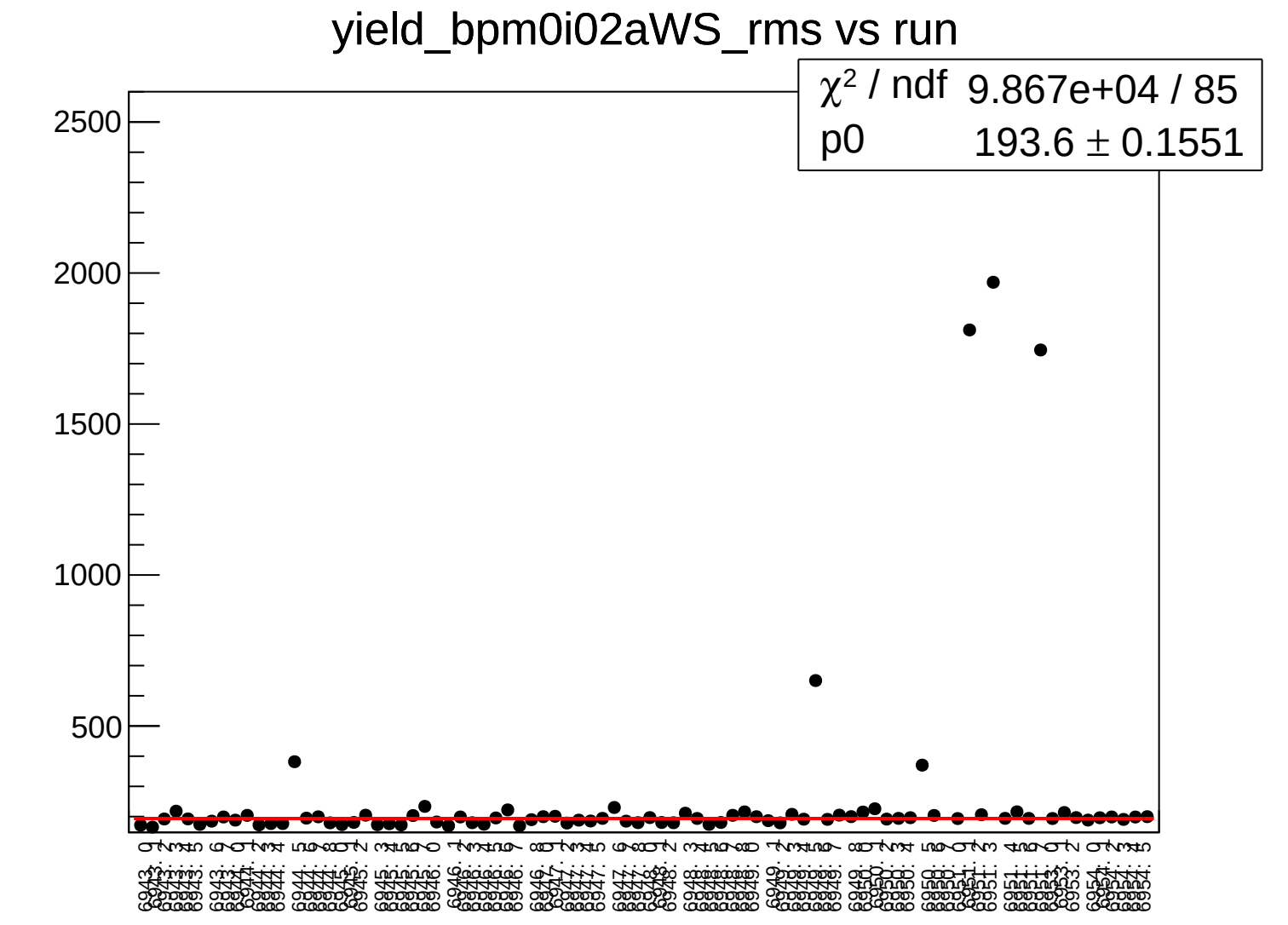

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.043e+07 / 85
p0 1.462e+05 ± 0.2056
146.5
146
145.5
145
144.5
144
143.5
143
142.5
pull
Entries 86
Mean 167.4
Std Dev 0
0
−500
−1000
−1500
−2000

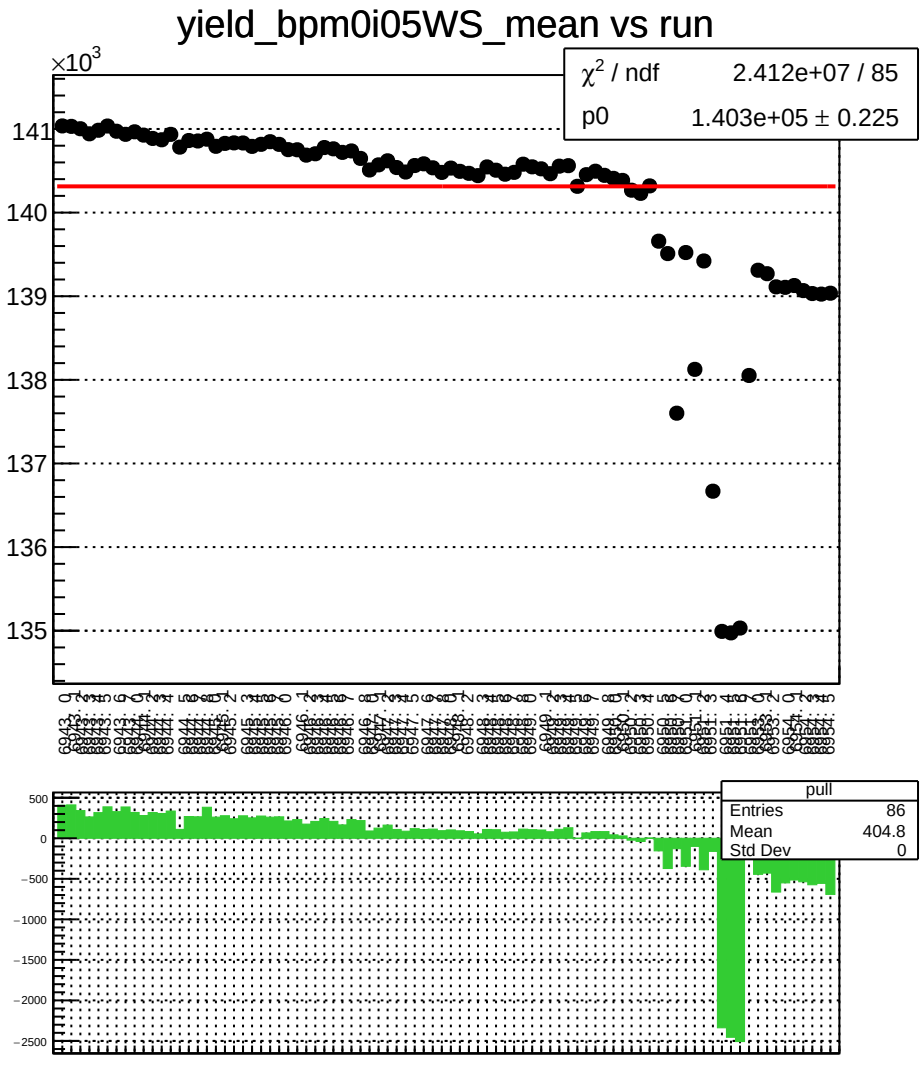

pull1D
Entries 86
Mean −1.165
Std Dev 5.011
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

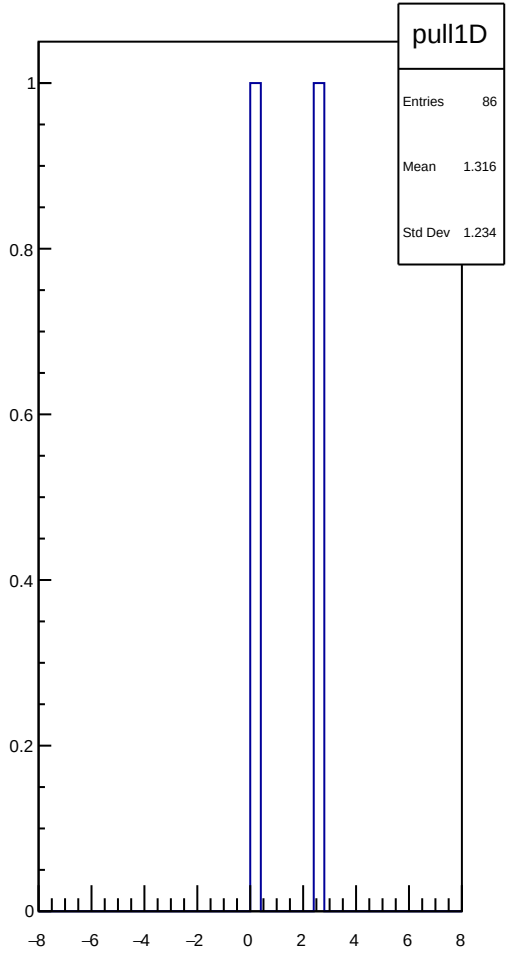

yield_bpm0i02WS_rms vs run
χ² / ndf 9.215e+04 / 85
p0 181.8 ± 0.1454
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

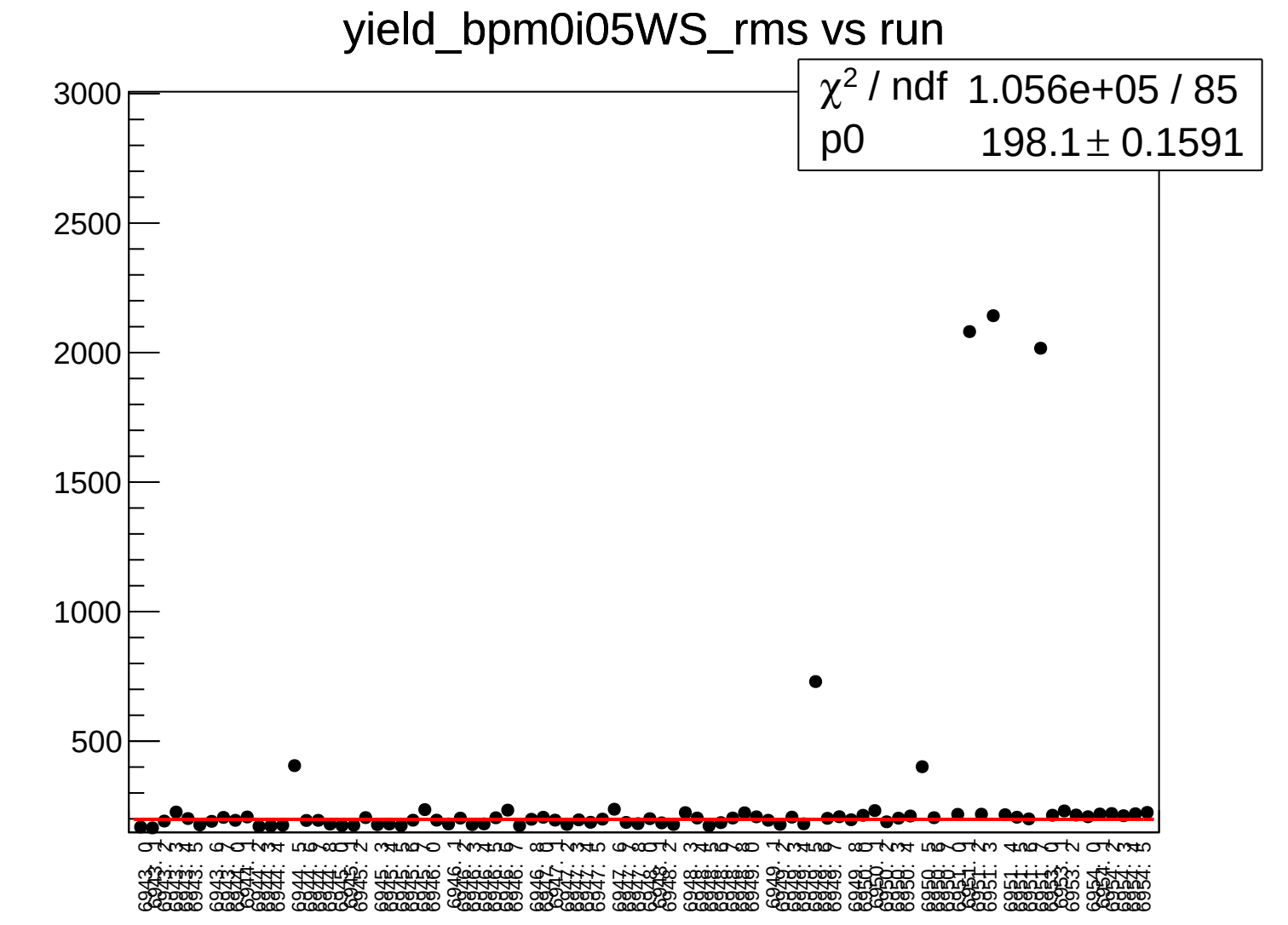

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 1.15e+07 / 85
p0 1.371e+05 ± 0.2194
138
137
136
135
134
133
pull
Entries 86
Mean 199.8
Std Dev 0
0
−500
−1000
−1500
−2000

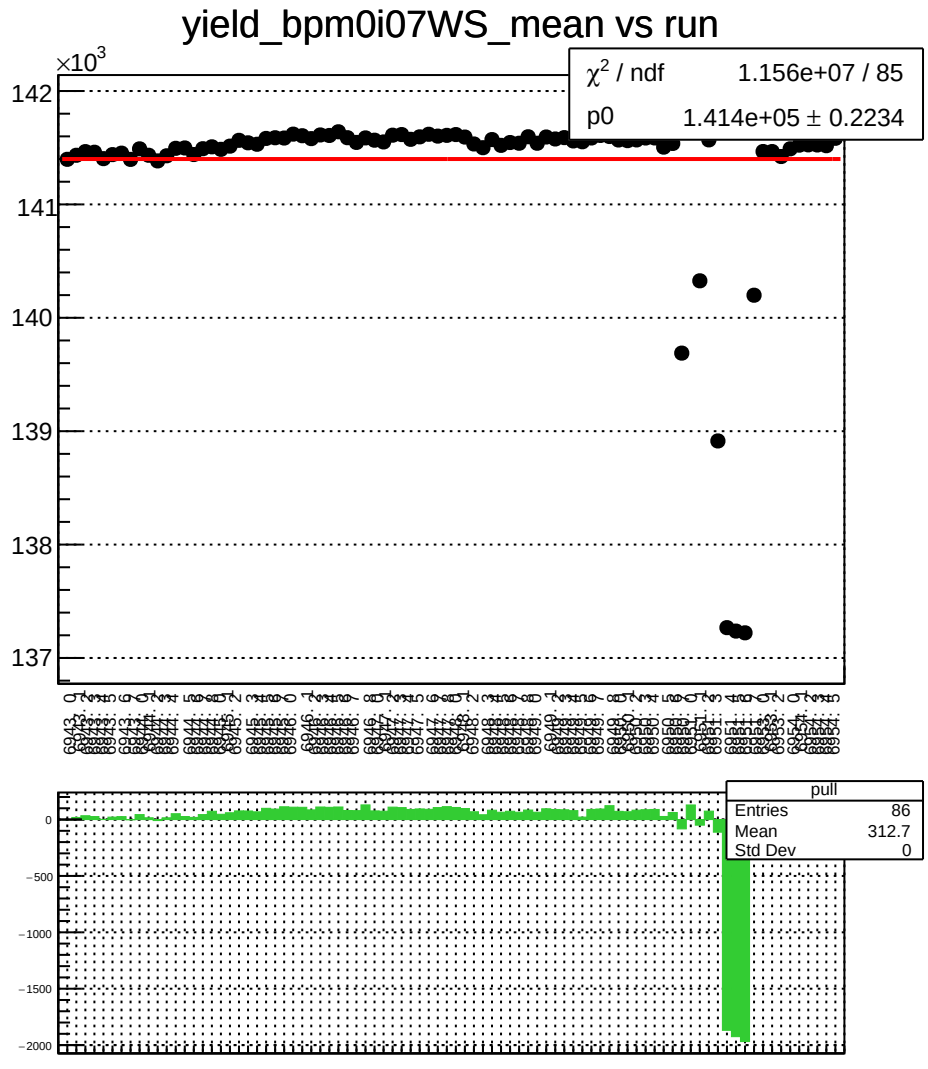

pull1D
Entries 86
Mean 1.739
Std Dev 3.062
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

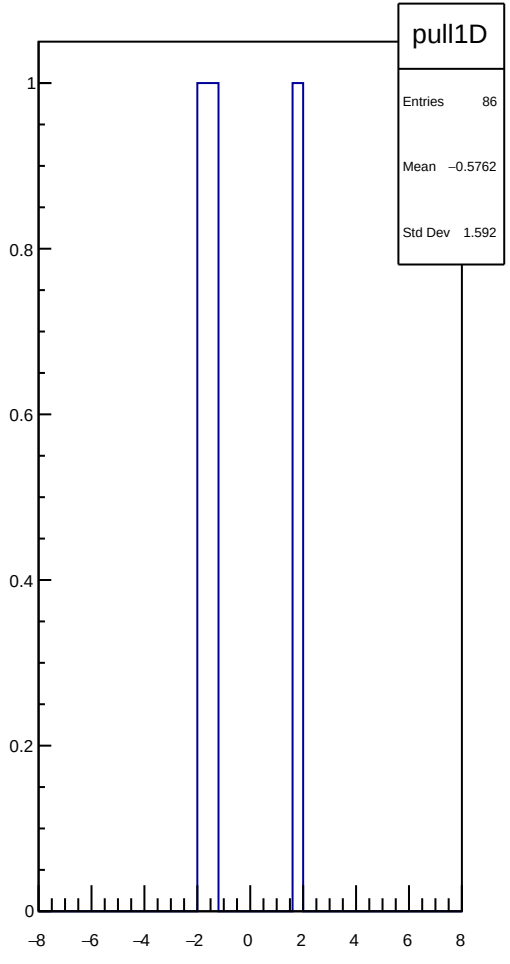

yield_bpm0i02aWS_rms vs run
χ² / ndf 9.867e+04 / 85
p0 193.6 ± 0.1551
2500
2000
1500
1000
500

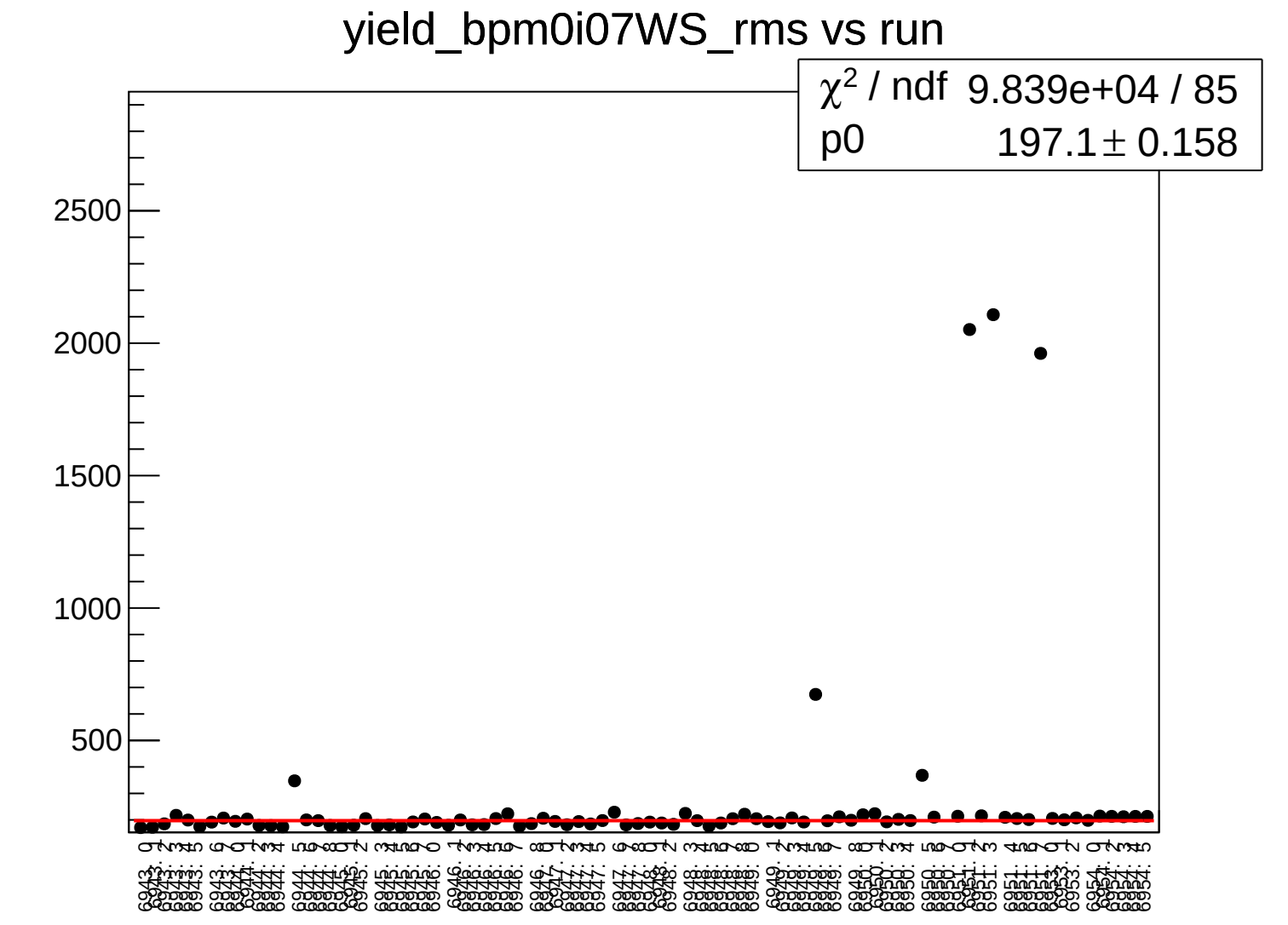

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 2.412e+07 / 85
p0 1.403e+05 ± 0.225
141
140
139
138
137
136
135
pull
Entries 86
Mean 404.8
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

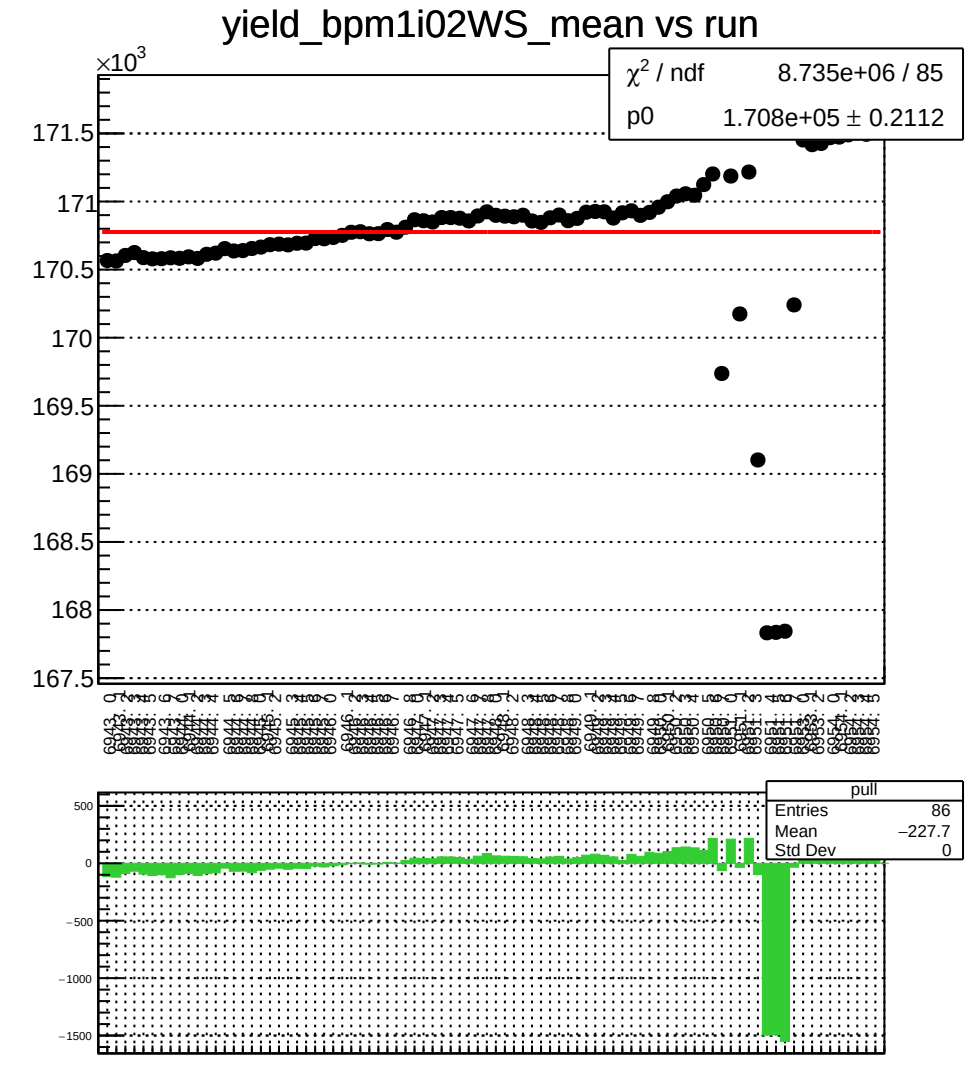

pull1D
Entries 86
Mean 1.316
Std Dev 1.234
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

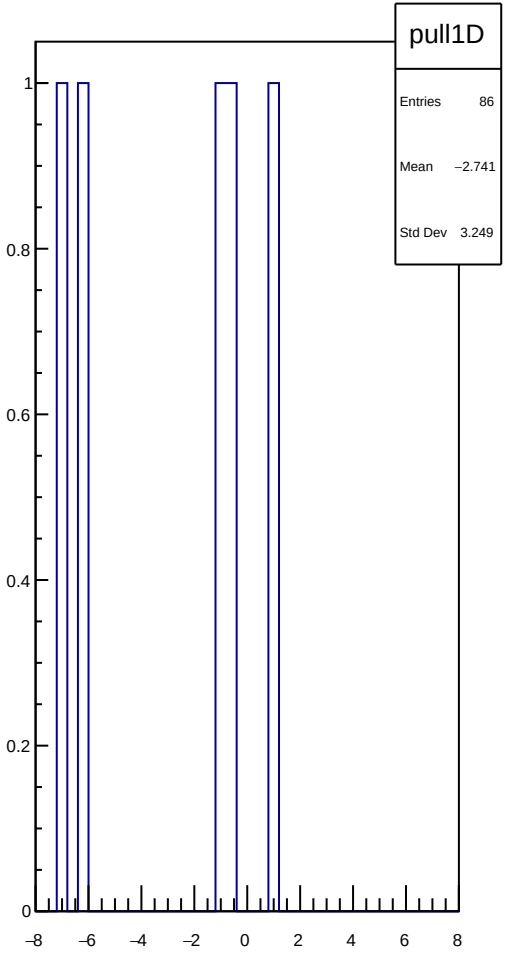

yield_bpm0i05WS_rms vs run
χ² / ndf 1.056e+05 / 85
p0 198.1 ± 0.1591
3000
2500
2000
1500
1000
500

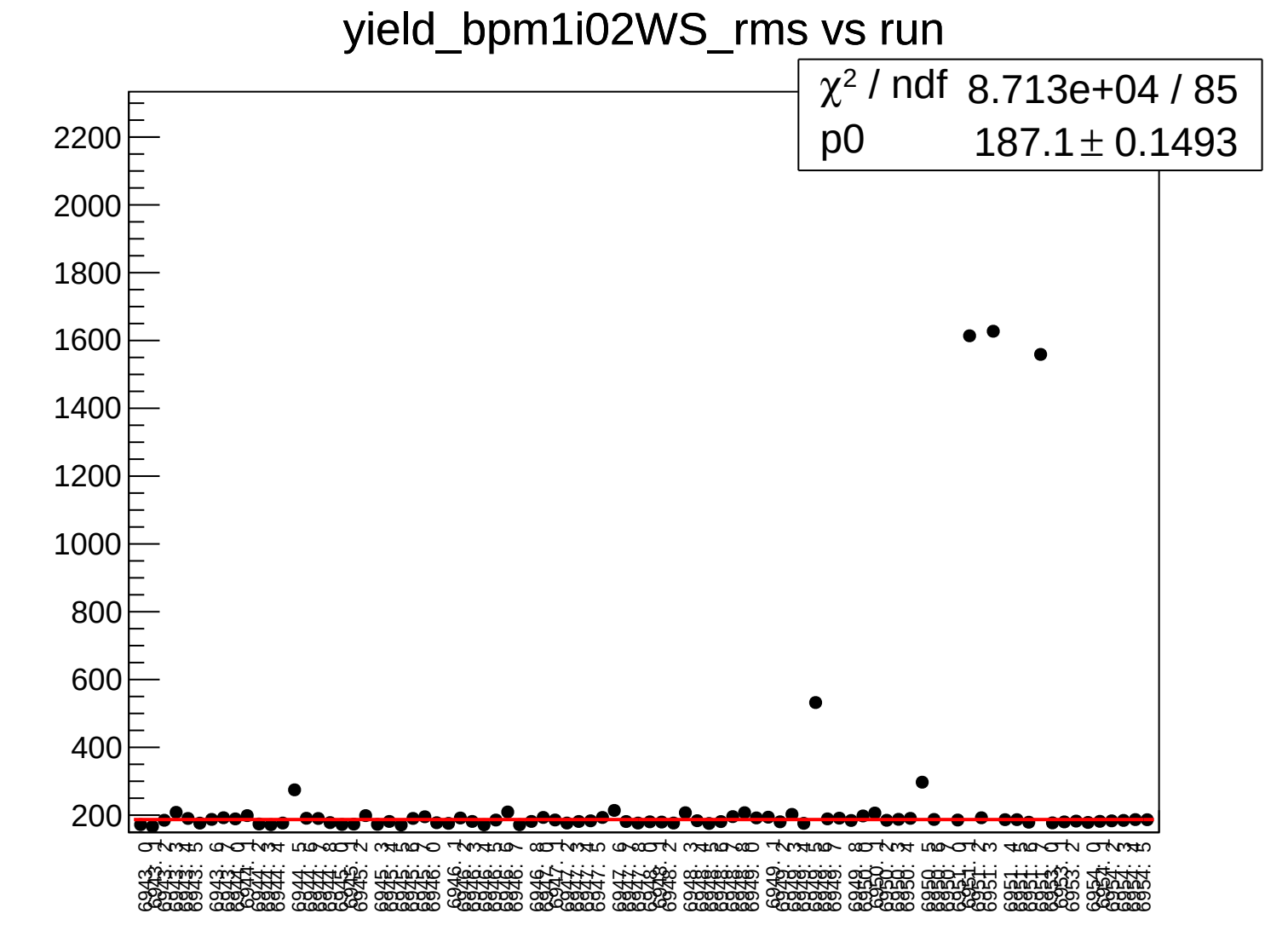

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.156e+07 / 85
p0 1.414e+05 ± 0.2234
142
141
140
139
138
137
pull
Entries 86
Mean 312.7
Std Dev 0
0
−500
−1000
−1500
−2000

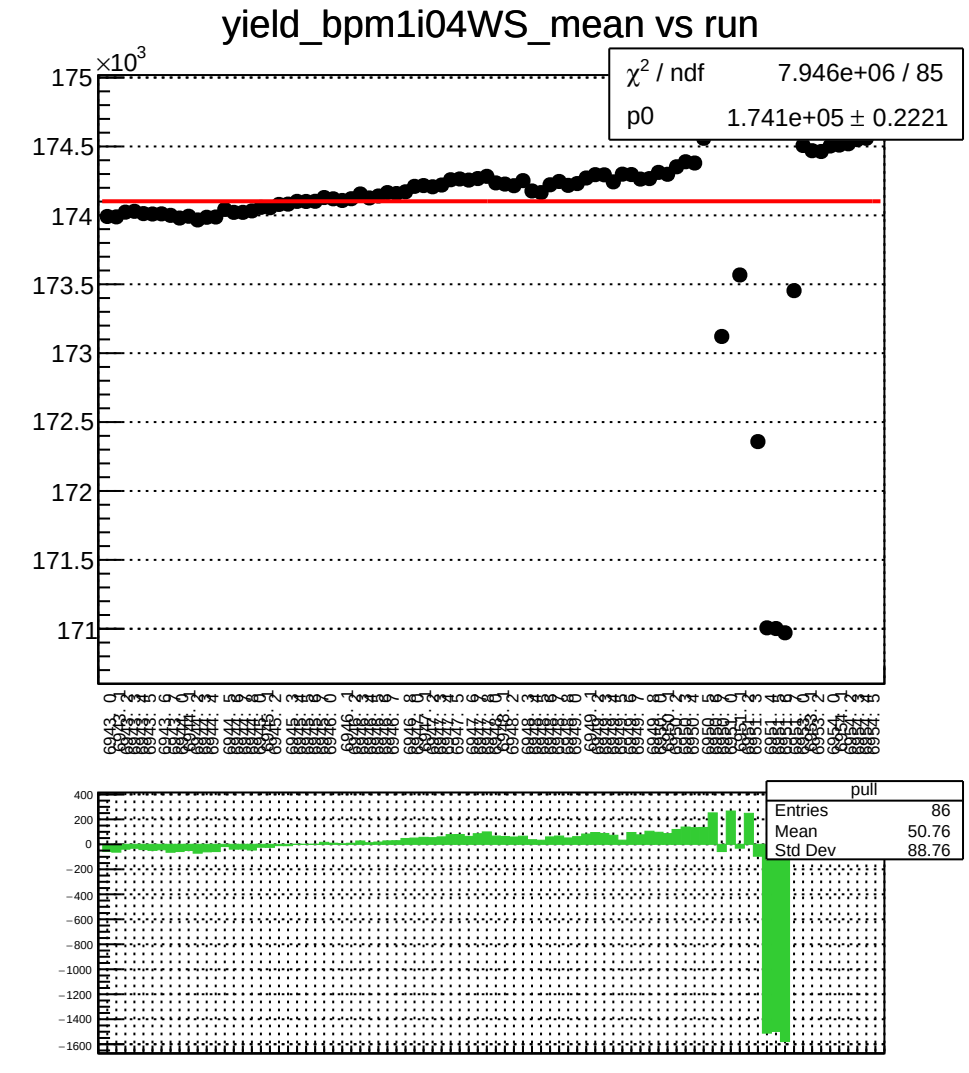

pull1D
Entries 86
Mean −0.5762
Std Dev 1.592
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

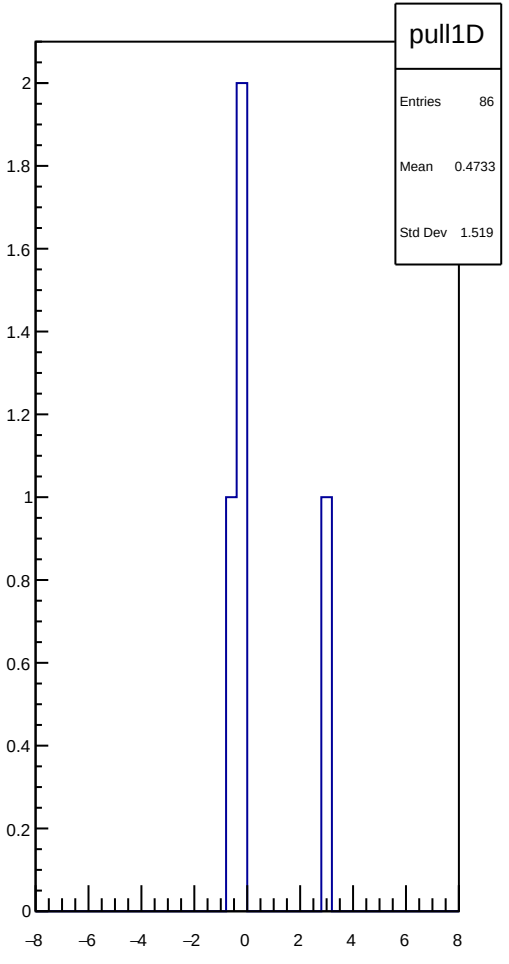

yield_bpm0i07WS_rms vs run
χ² / ndf 9.839e+04 / 85
p0 197.1 ± 0.158
2500
2000
1500
1000
500

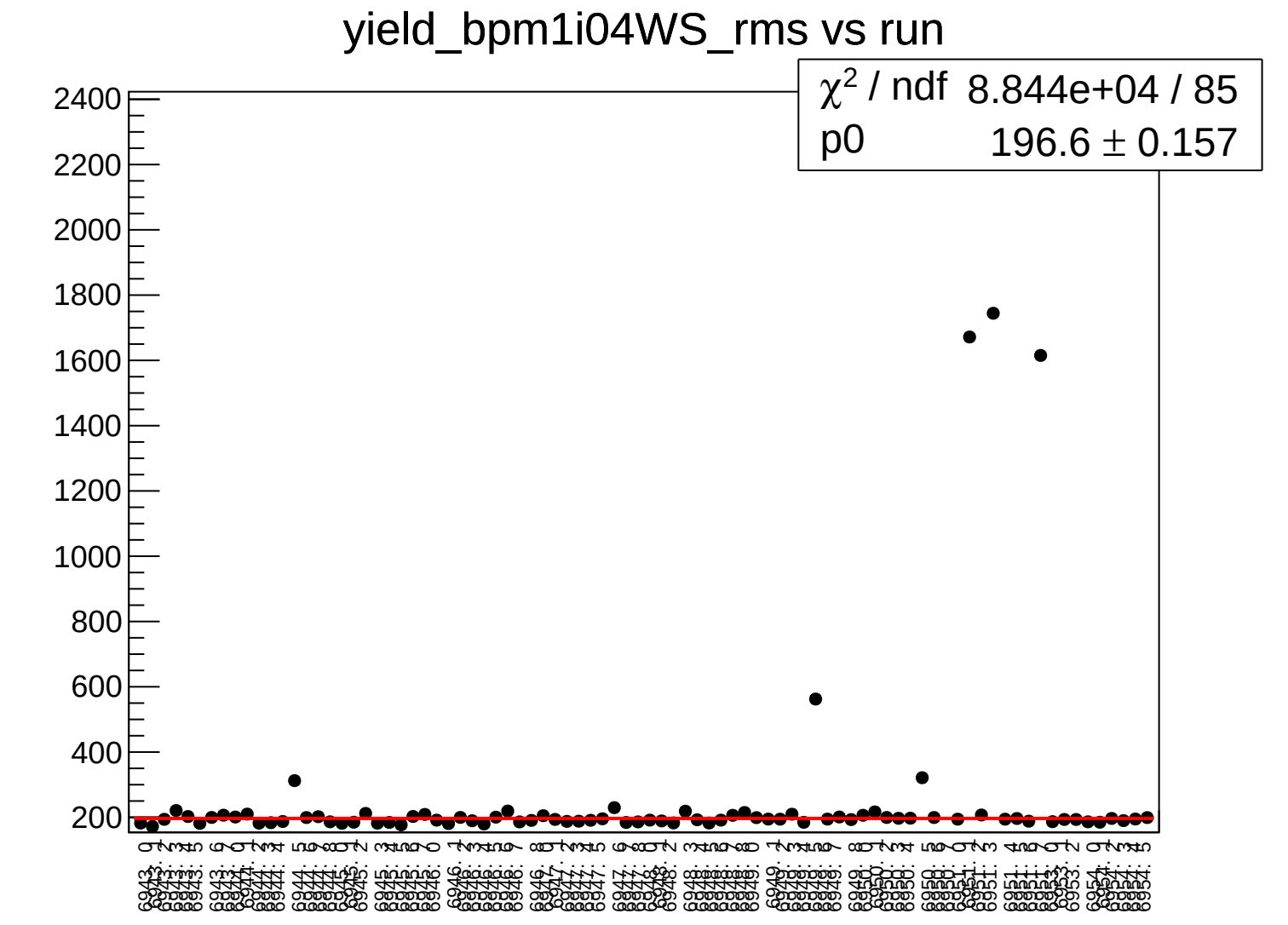

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 8.735e+06 / 85
p0 1.708e+05 ± 0.2112
171.5
171
170.5
170
169.5
169
168.5
168
167.5
pull
Entries 86
Mean −227.7
Std Dev 0
500
0
−500
−1000
−1500

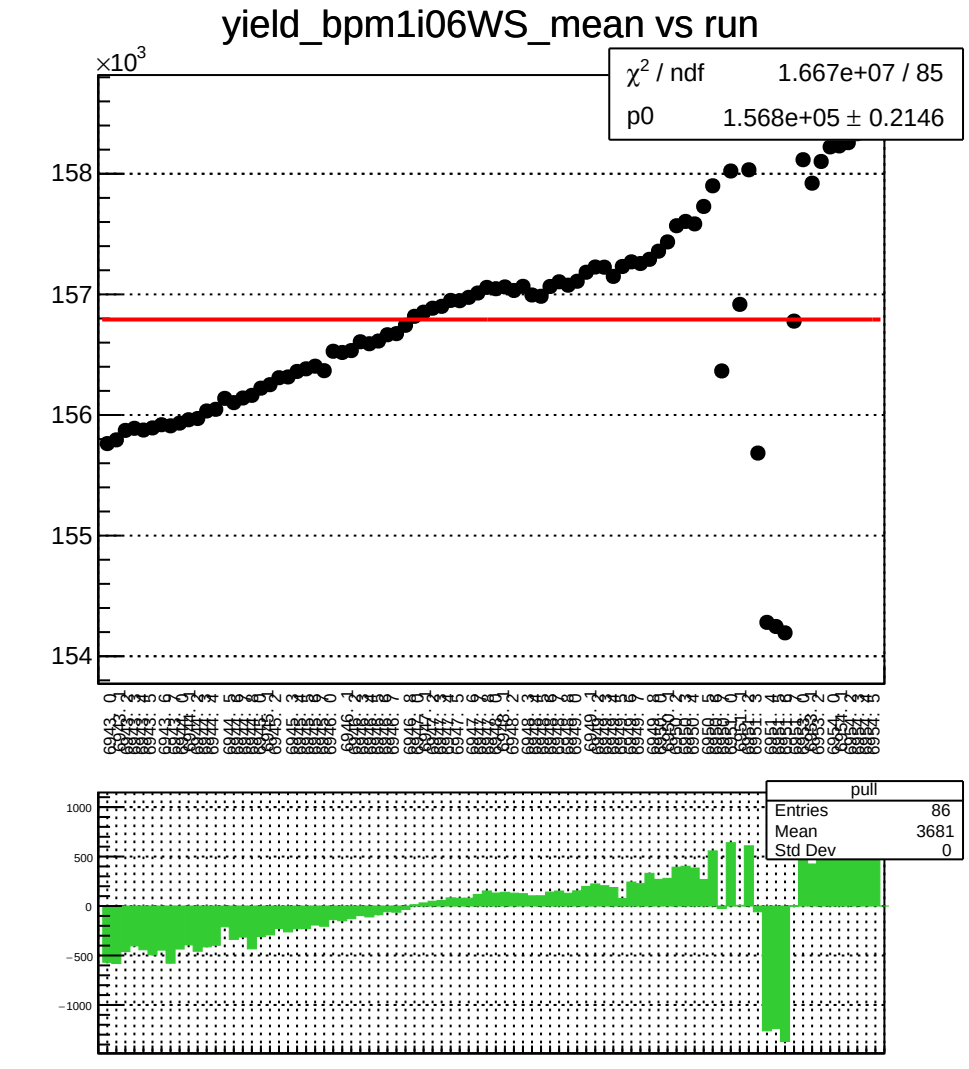

pull1D
Entries 86
Mean −2.741
Std Dev 3.249
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

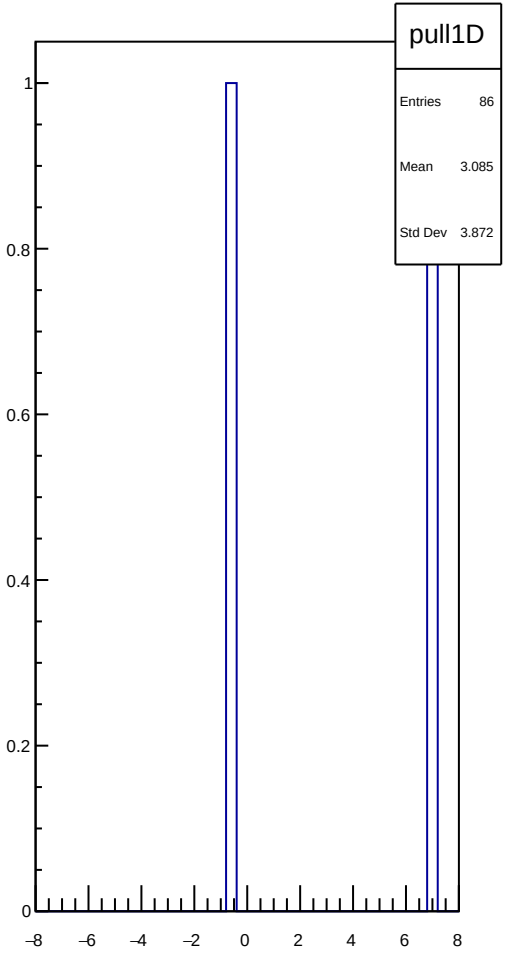

yield_bpm1i02WS_rms vs run
χ² / ndf 8.713e+04 / 85
p0 187.1 ± 0.1493
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

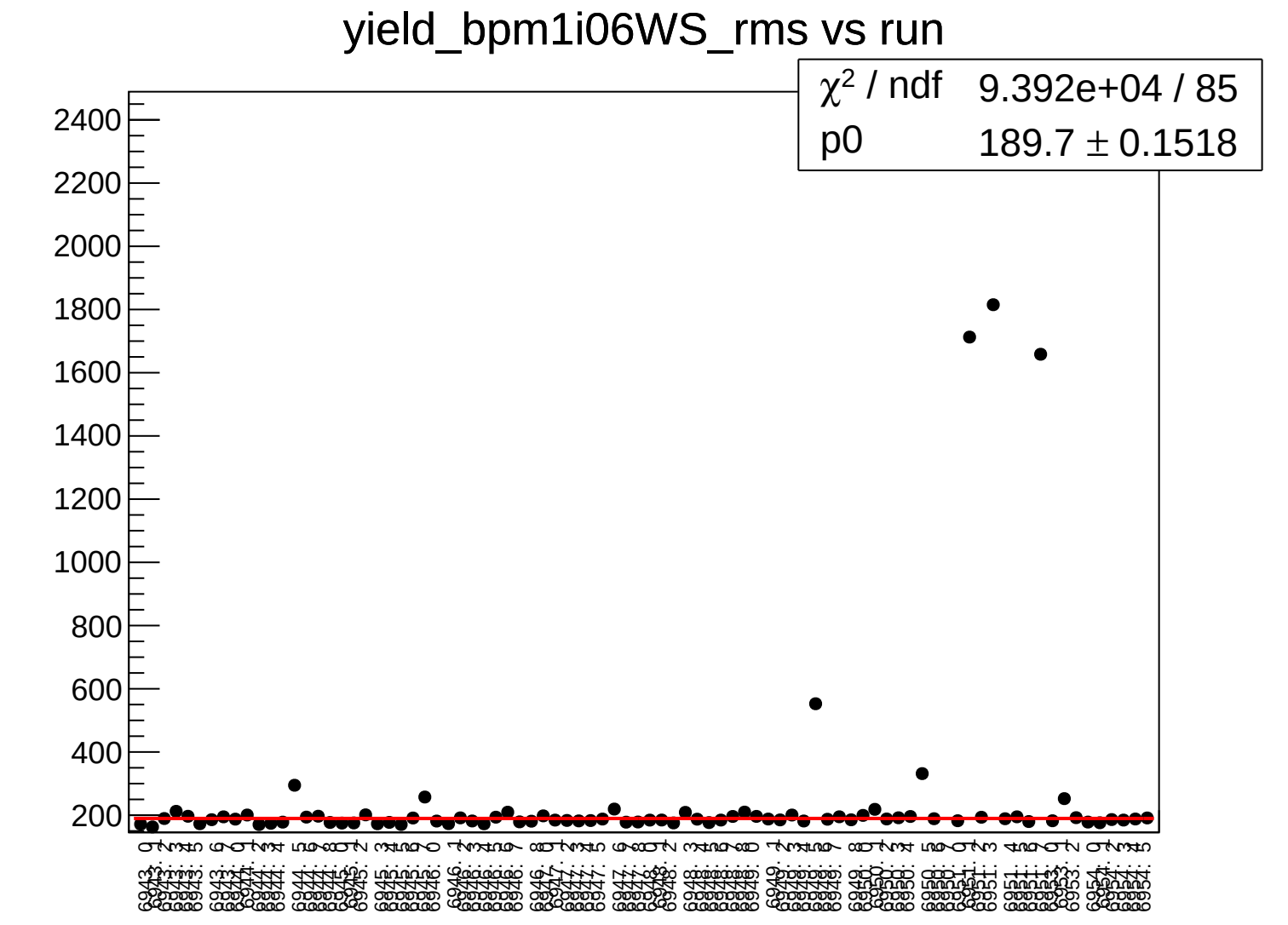

yield_bpm1i04WS_mean vs run
×10^3
175
174.5
174
173.5
173
172.5
172
171.5
171
χ² / ndf 7.946e+06 / 85
p0 1.741e+05 ± 0.2221
pull
Entries 86
Mean 50.76
Std Dev 88.76
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

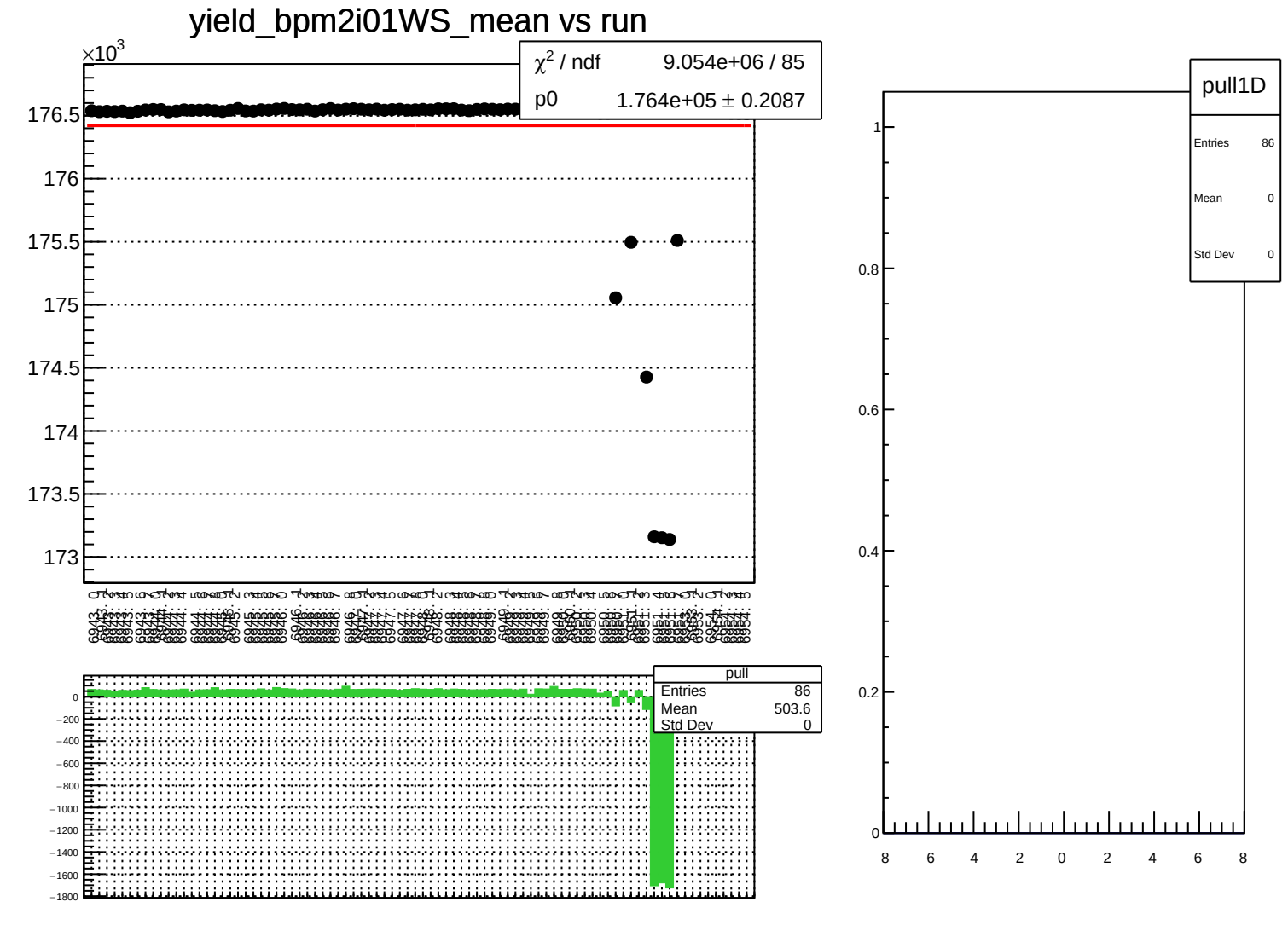

pull1D
Entries 86
Mean 0.4733
Std Dev 1.519
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

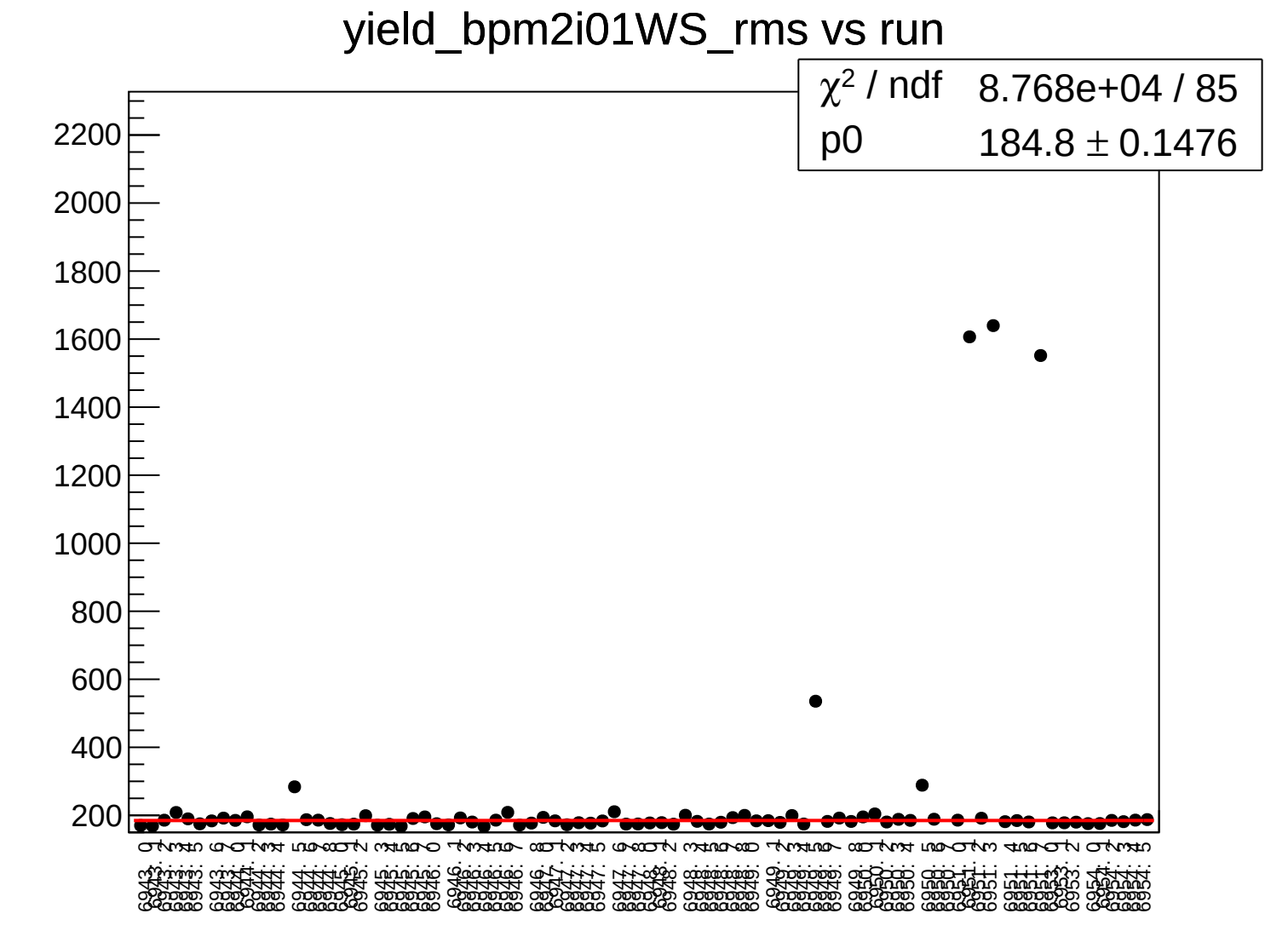

yield_bpm1i04WS_rms vs run
χ² / ndf 8.844e+04 / 85
p0 196.6 ± 0.157
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

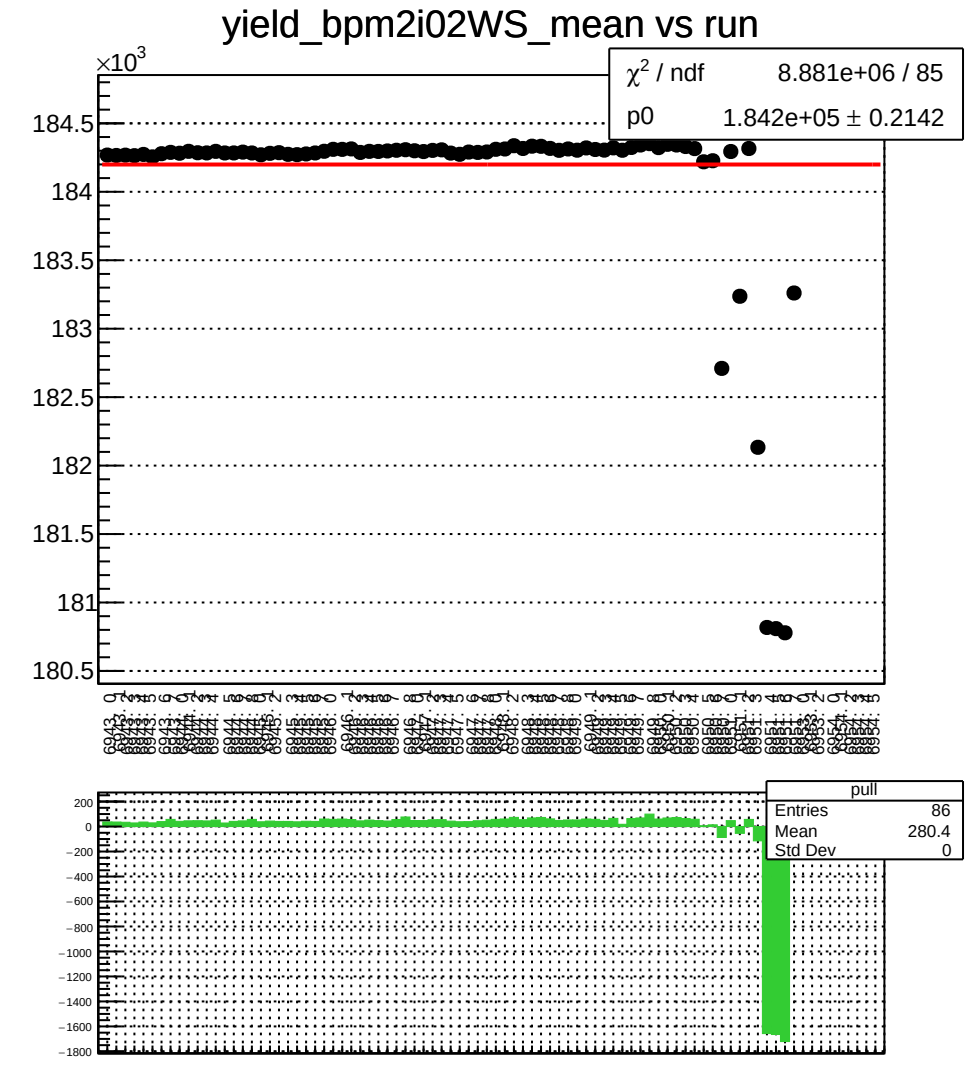

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 1.667e+07 / 85
p0 1.568e+05 ± 0.2146
158
157
156
155
154
pull
Entries 86
Mean 3681
Std Dev 0
1000
500
0
−500
−1000

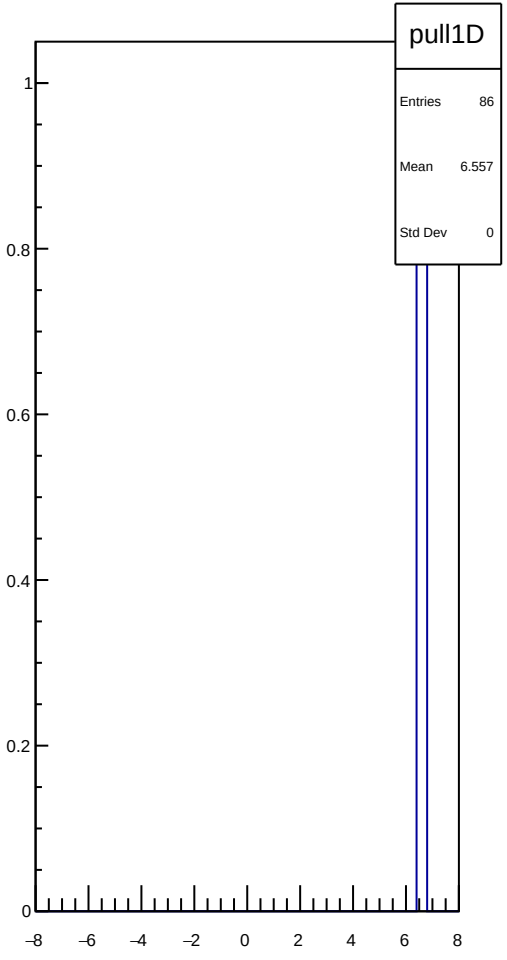

pull1D
Entries 86
Mean 3.085
Std Dev 3.872
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

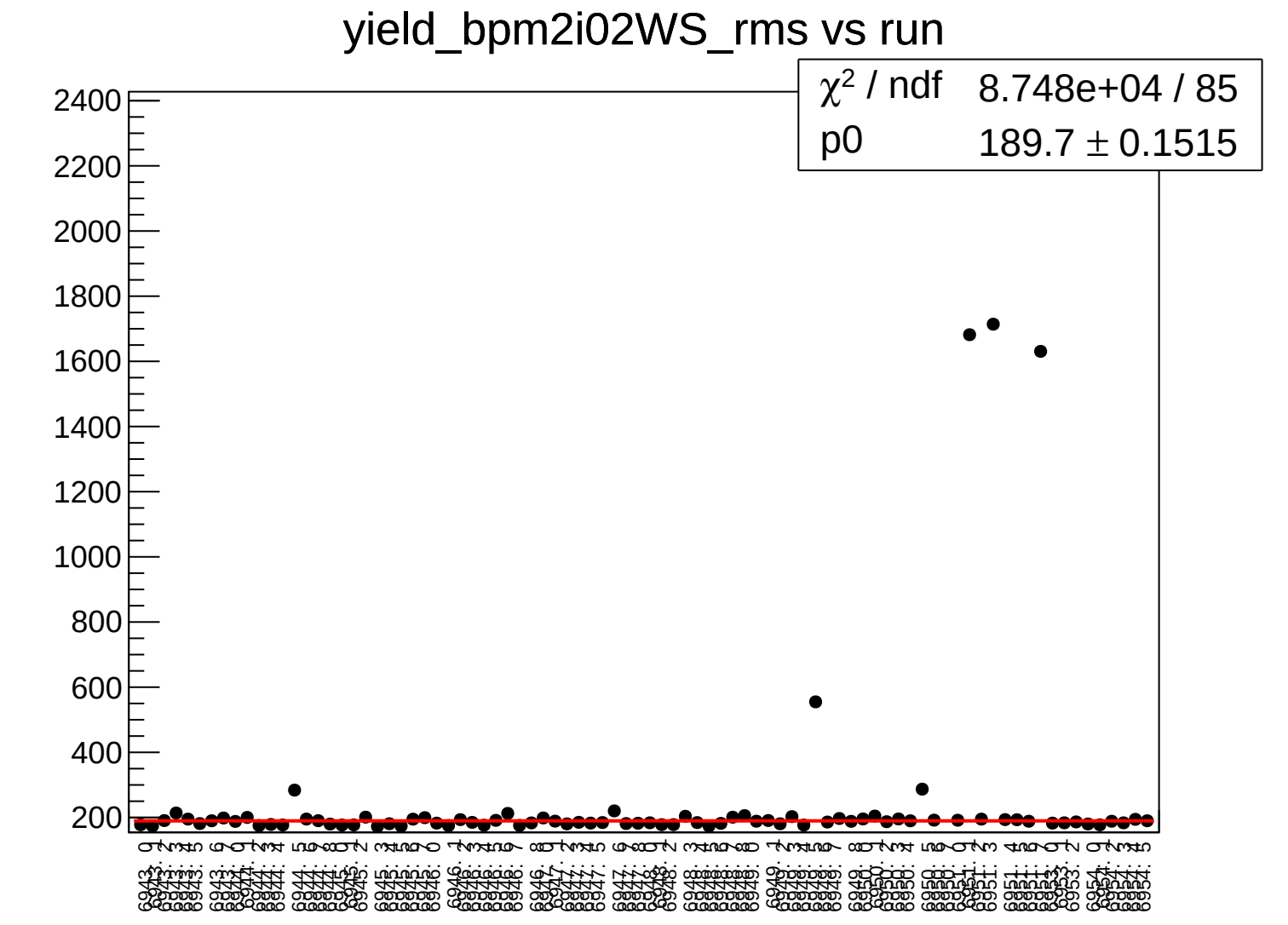

yield_bpm1i06WS_rms vs run
χ² / ndf 9.392e+04 / 85
p0 189.7 ± 0.1518
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

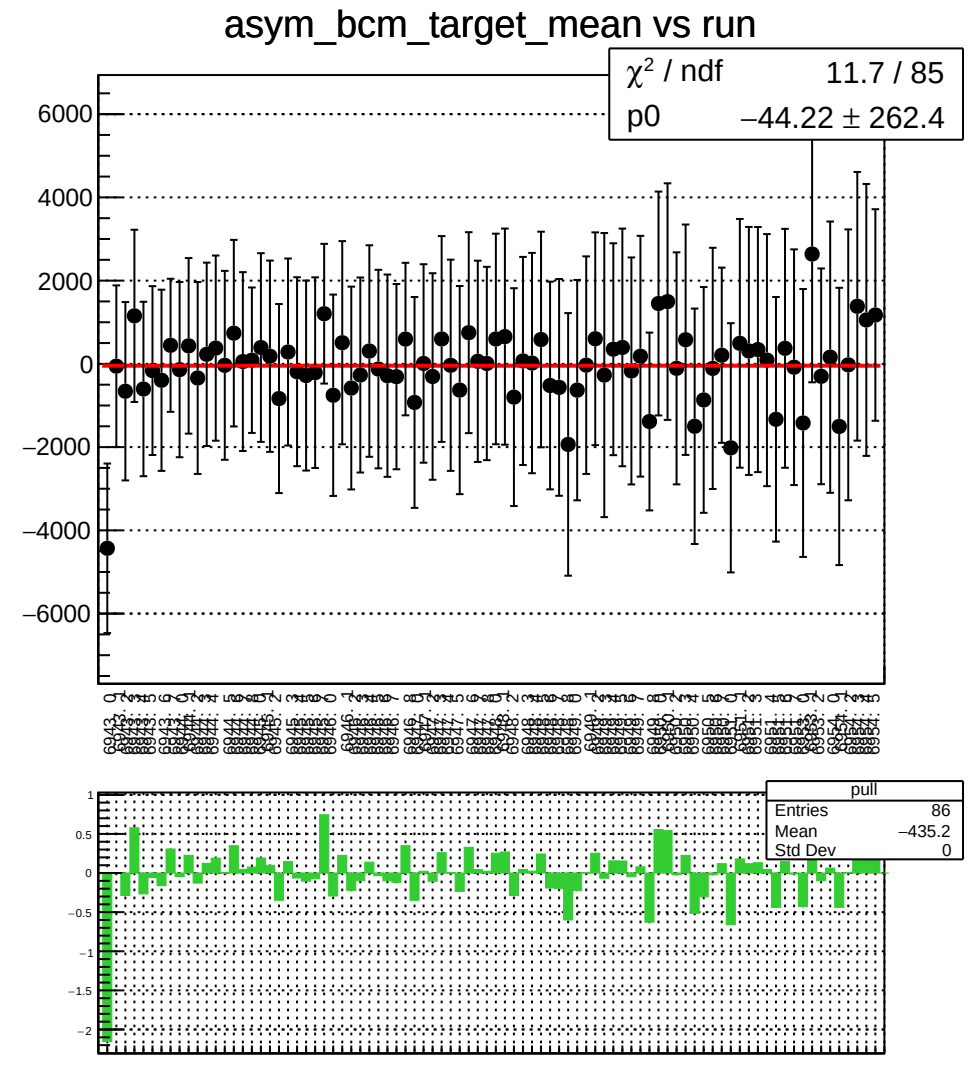

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 9.054e+06 / 85
p0 1.764e+05 ± 0.2087
176.5
176
175.5
175
174.5
174
173.5
173
pull
Entries 86
Mean 503.6
Std Dev 0
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

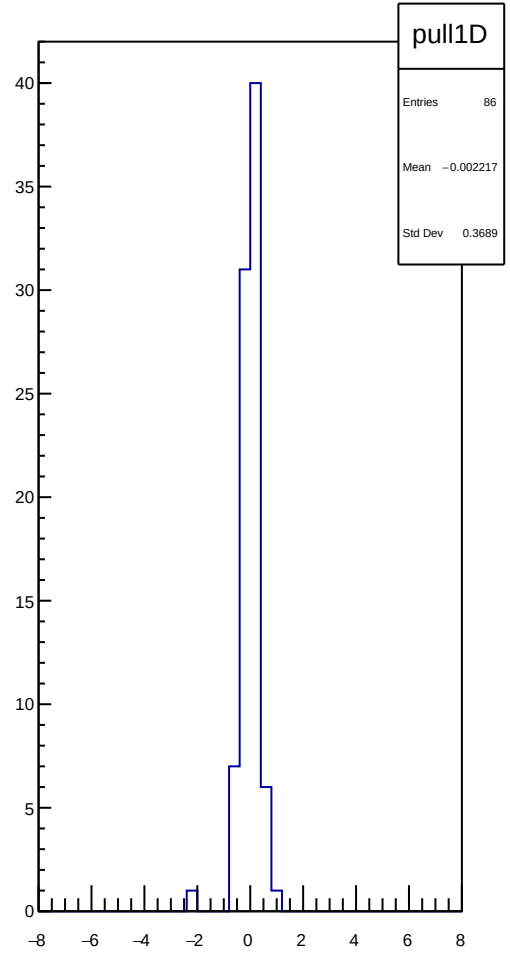

yield_bpm2i01WS_rms vs run
χ² / ndf 8.768e+04 / 85
p0 184.8 ± 0.1476
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

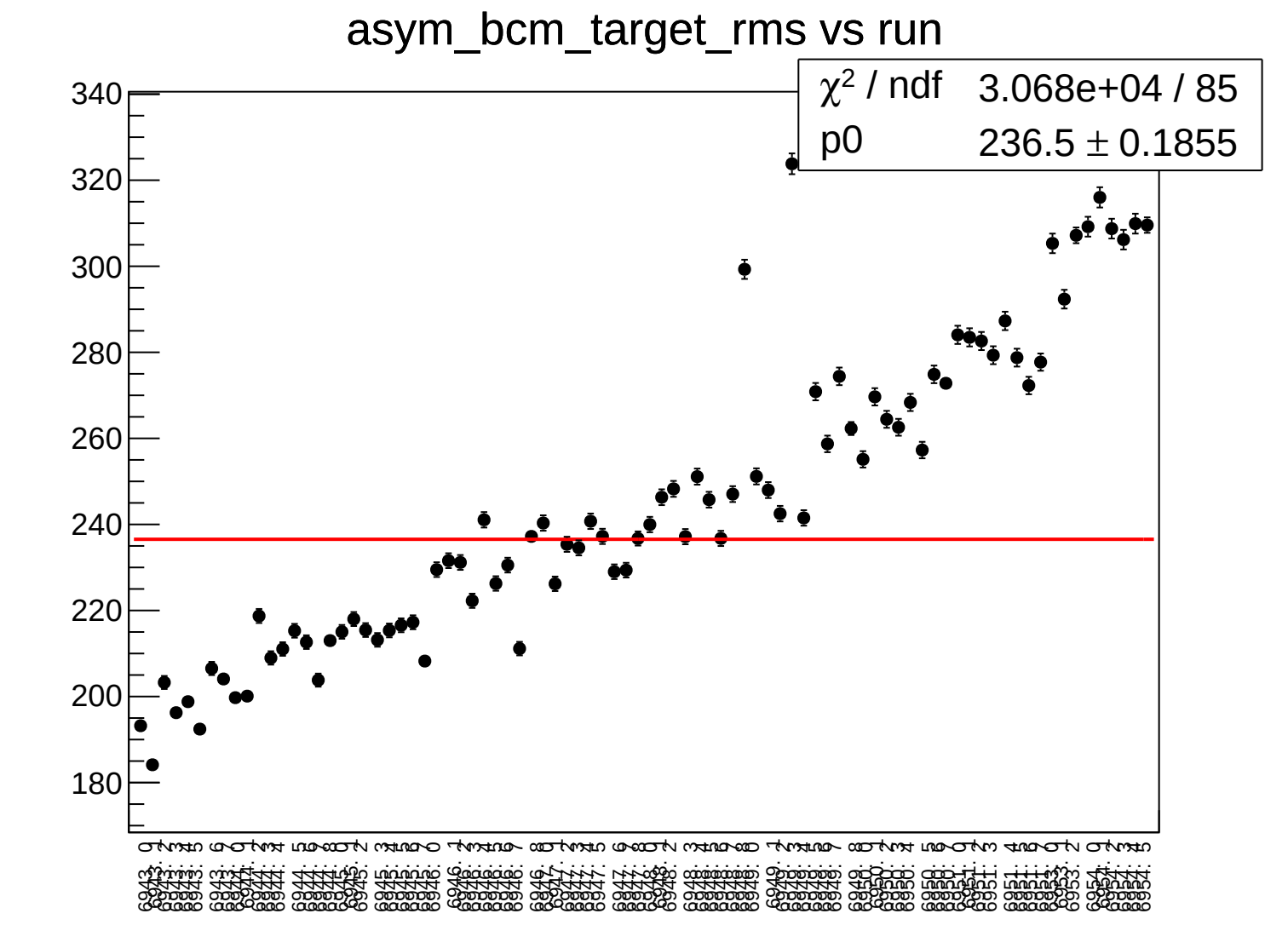

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 8.881e+06 / 85
p0 1.842e+05 ± 0.2142
184.5
184
183.5
183
182.5
182
181.5
181
180.5
pull
Entries 86
Mean 280.4
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

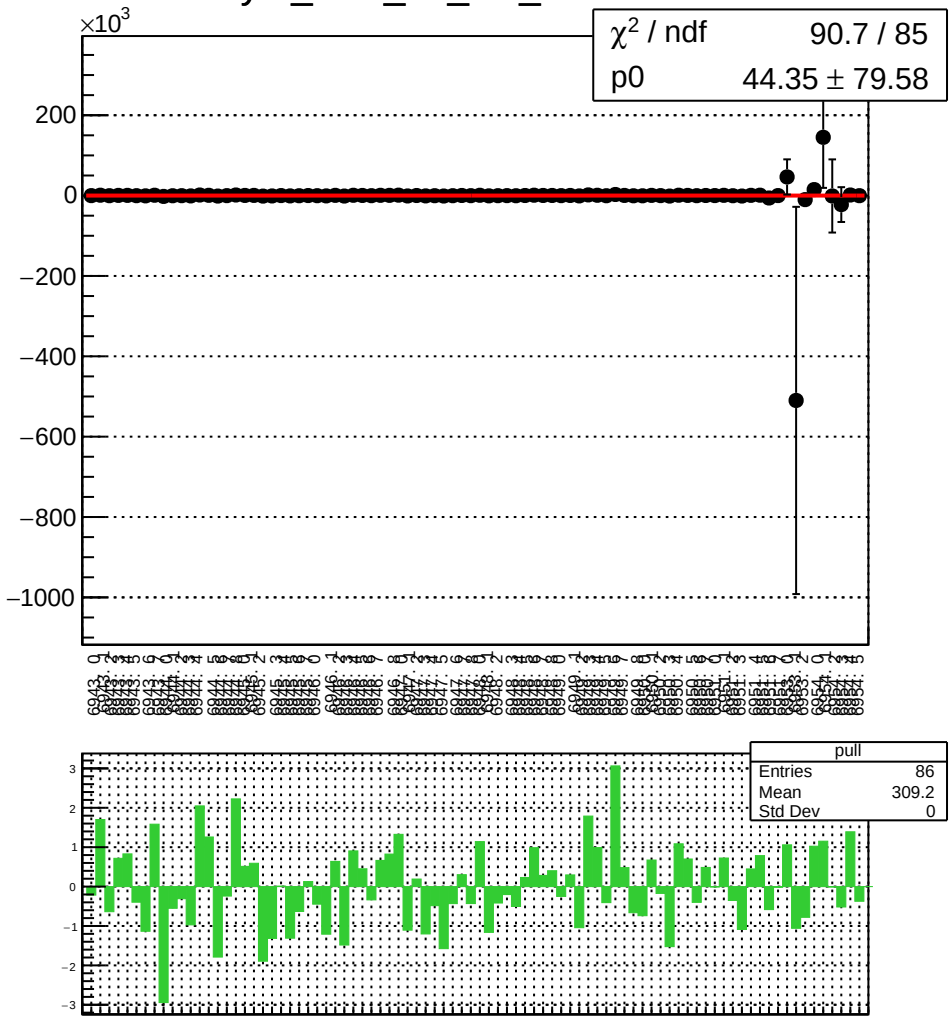

pull1D
Entries 86
Mean 6.557
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

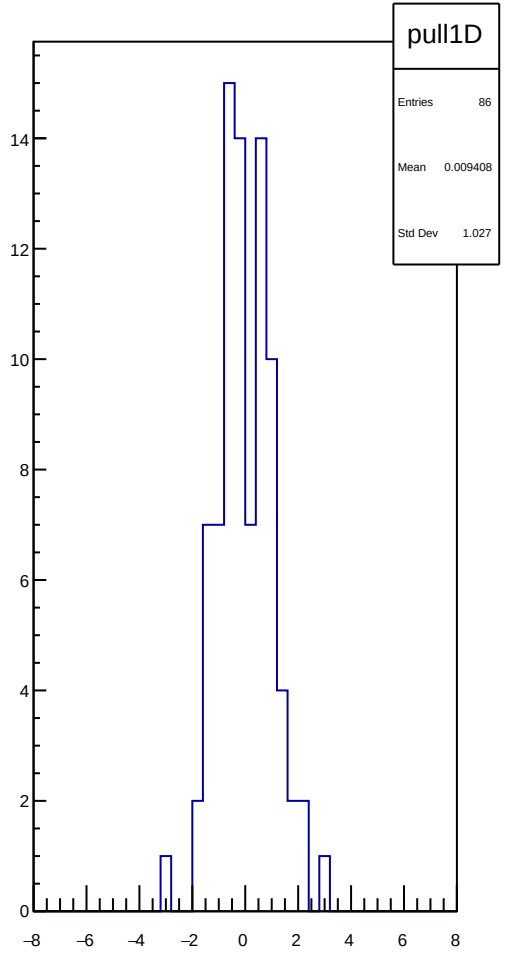

yield_bpm2i02WS_rms vs run
χ² / ndf 8.748e+04 / 85
p0 189.7 ± 0.1515
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

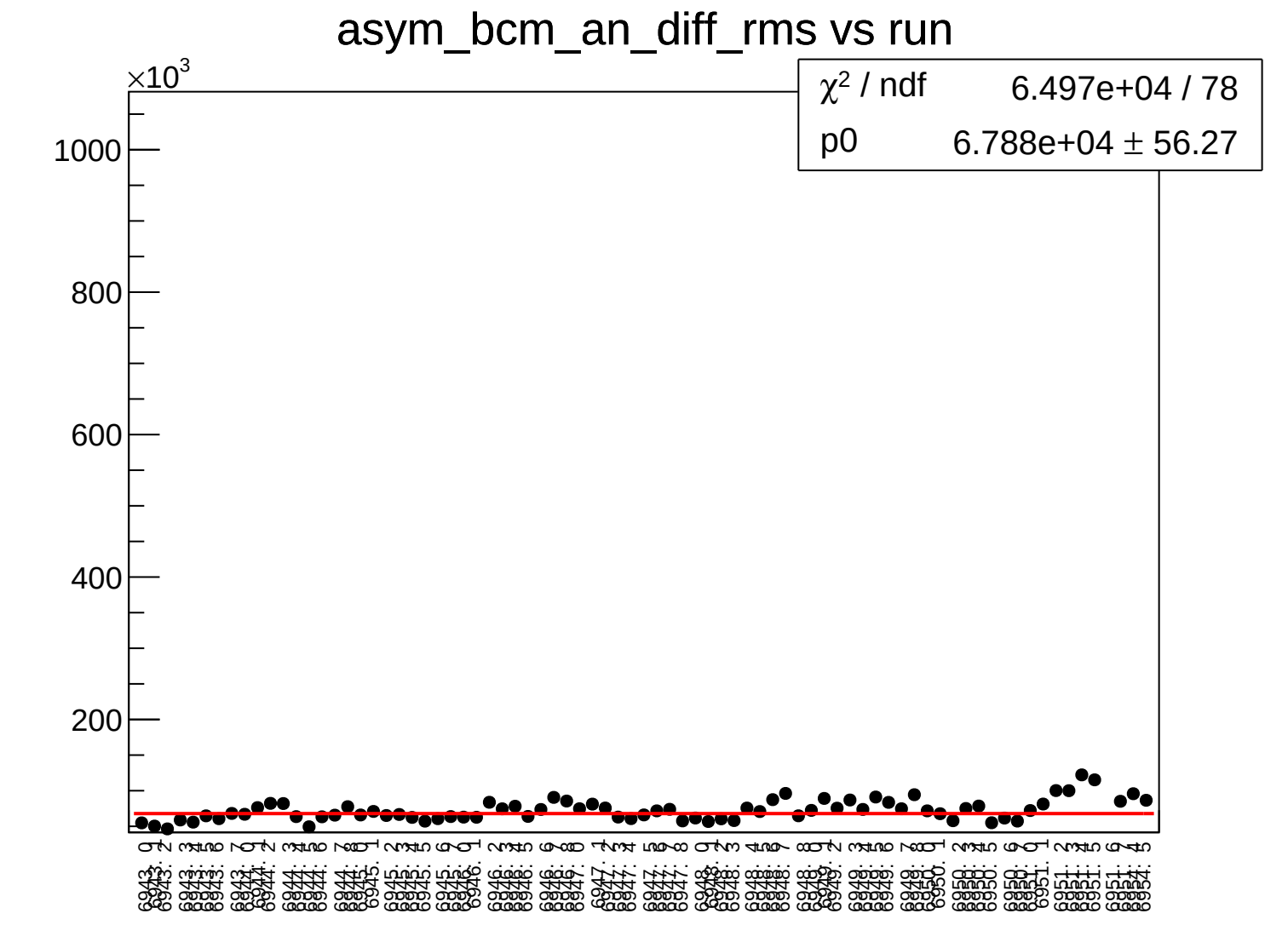

asym_bcm_target_mean vs run
χ² / ndf 11.7 / 85
p0 −44.22 ± 262.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −435.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

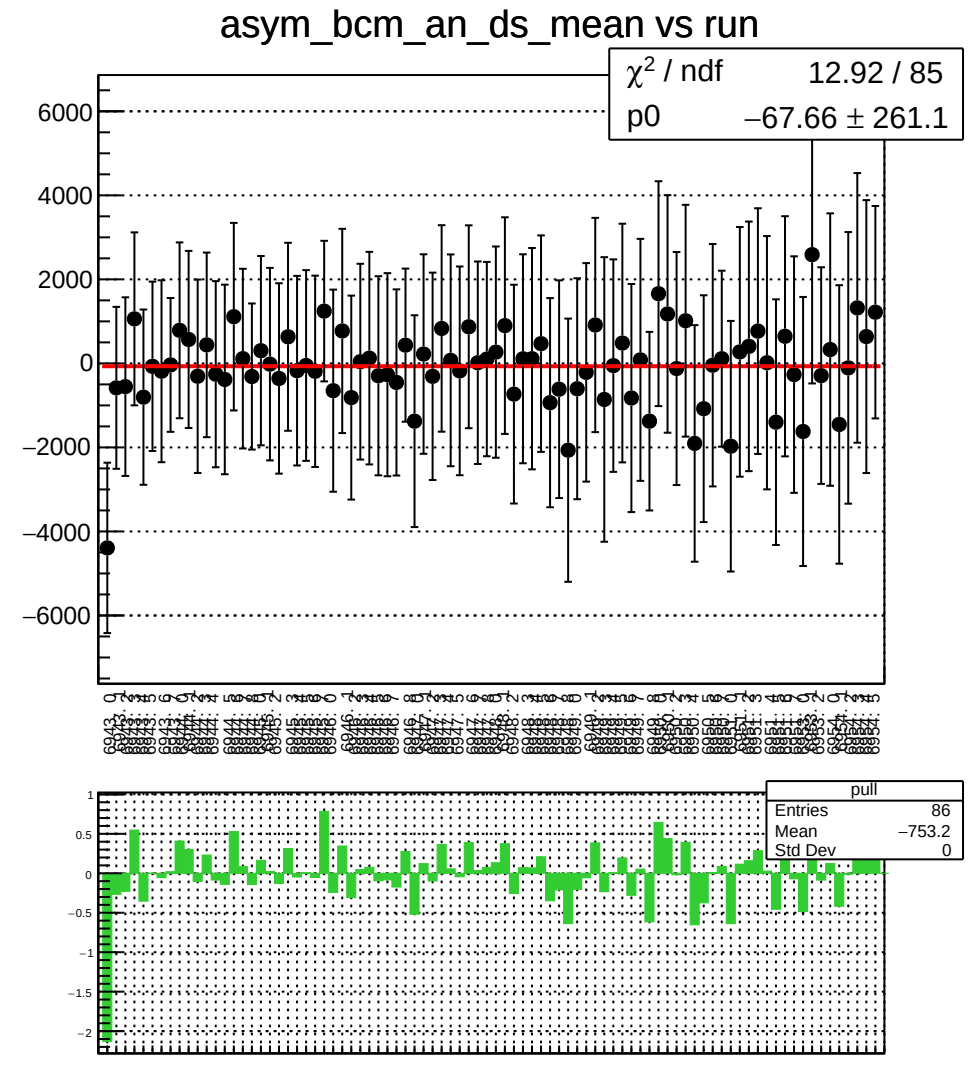

pull1D
Entries 86
Mean −0.002217
Std Dev 0.3689
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

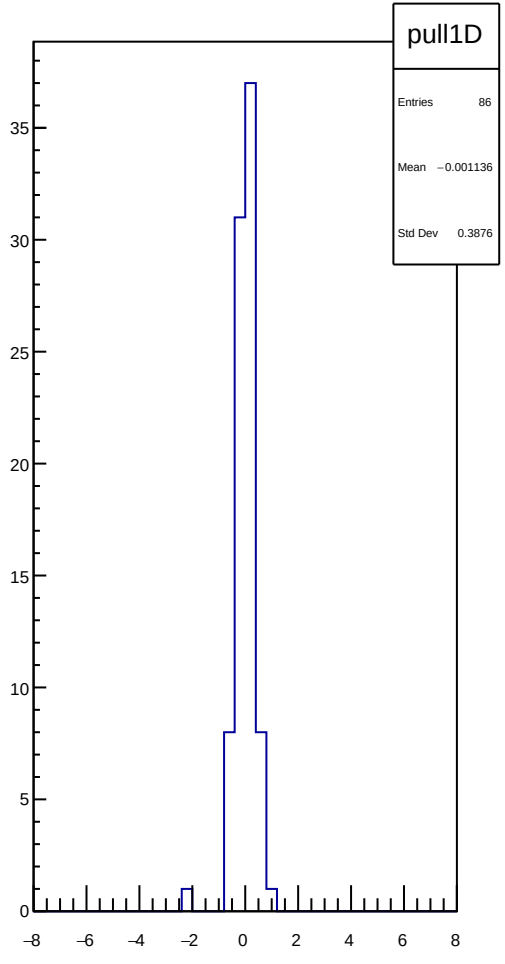

asym_bcm_target_rms vs run
χ² / ndf 3.068e+04 / 85
p0 236.5 ± 0.1855
340
320
300
280
260
240
220
200
180

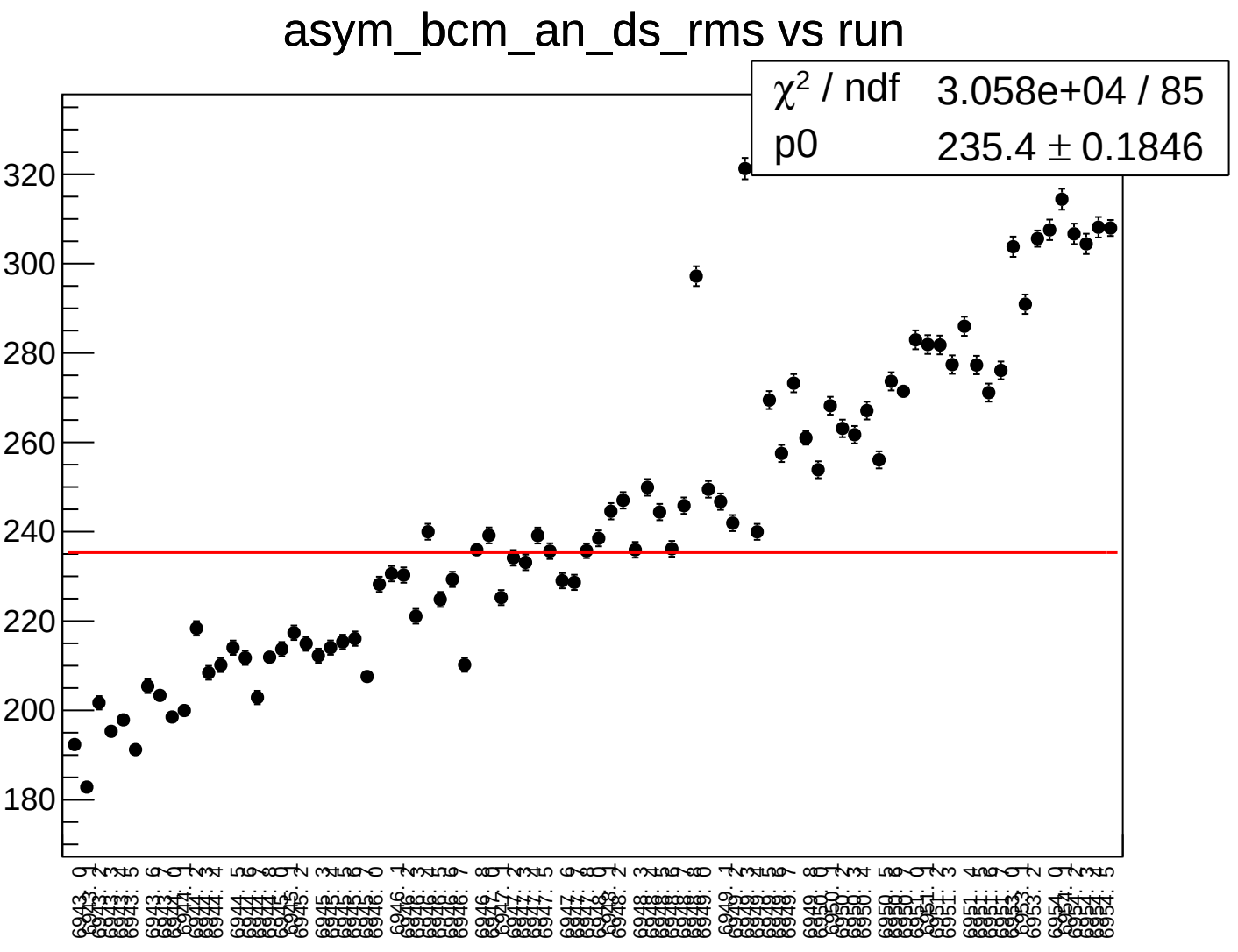

asym_bcm_an_diff_mean vs run
χ² / ndf 90.7 / 85
p0 44.35 ± 79.58
×10³
pull
Entries 86
Mean 309.2
Std Dev 0

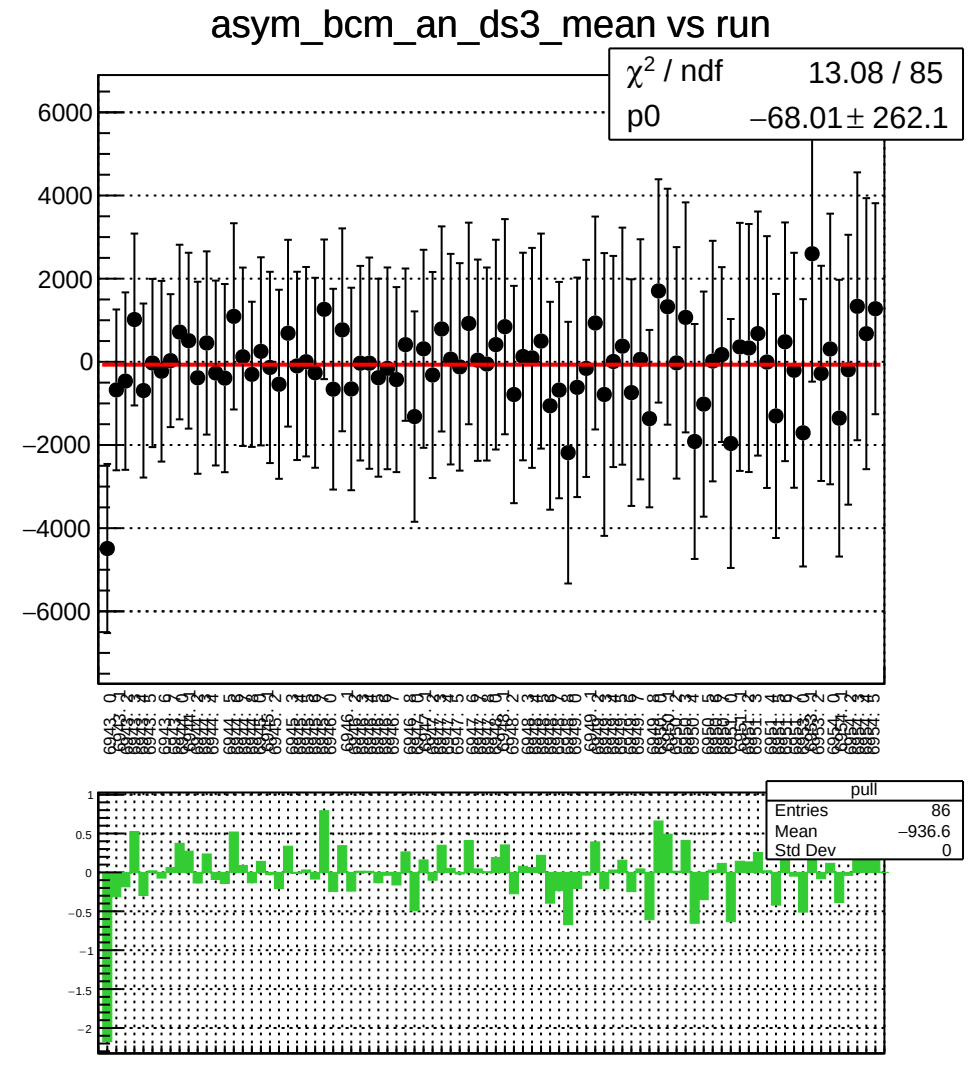

pull1D
Entries 86
Mean 0.009408
Std Dev 1.027

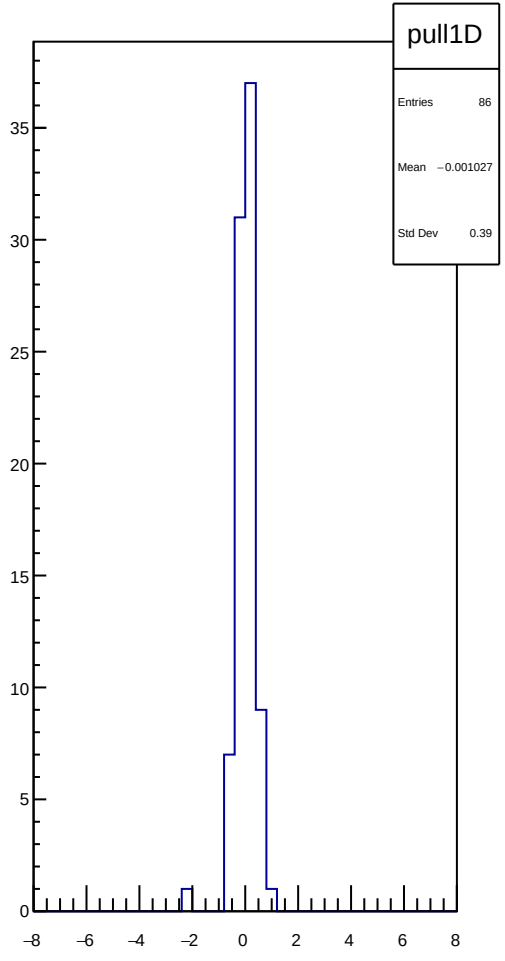

asym_bcm_an_diff_rms vs run
×10^3
1000
800
600
400
200
χ² / ndf 6.497e+04 / 78
p0 6.788e+04 ± 56.27

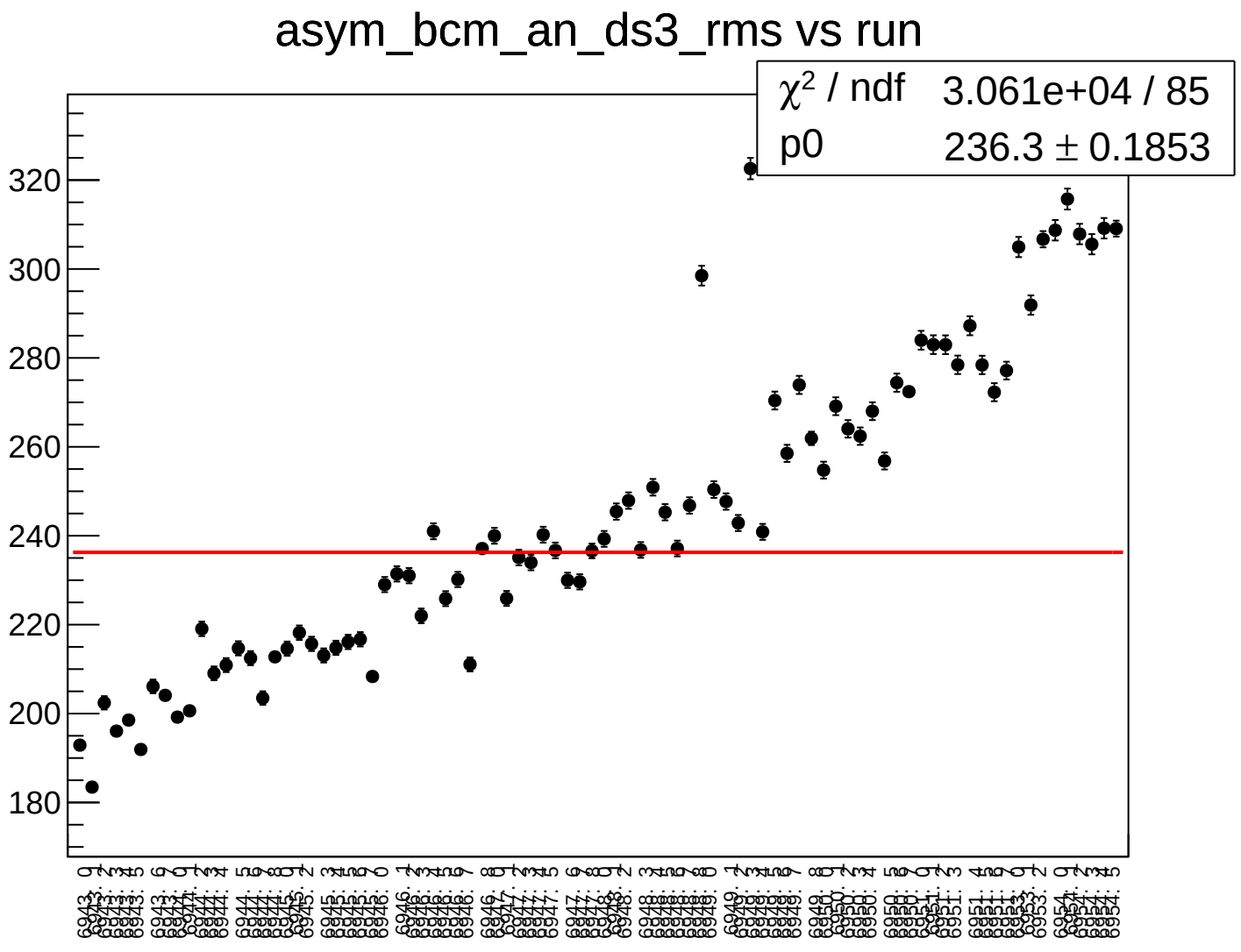

asym_bcm_an_ds_mean vs run
χ² / ndf 12.92 / 85
p0 −67.66 ± 261.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −753.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

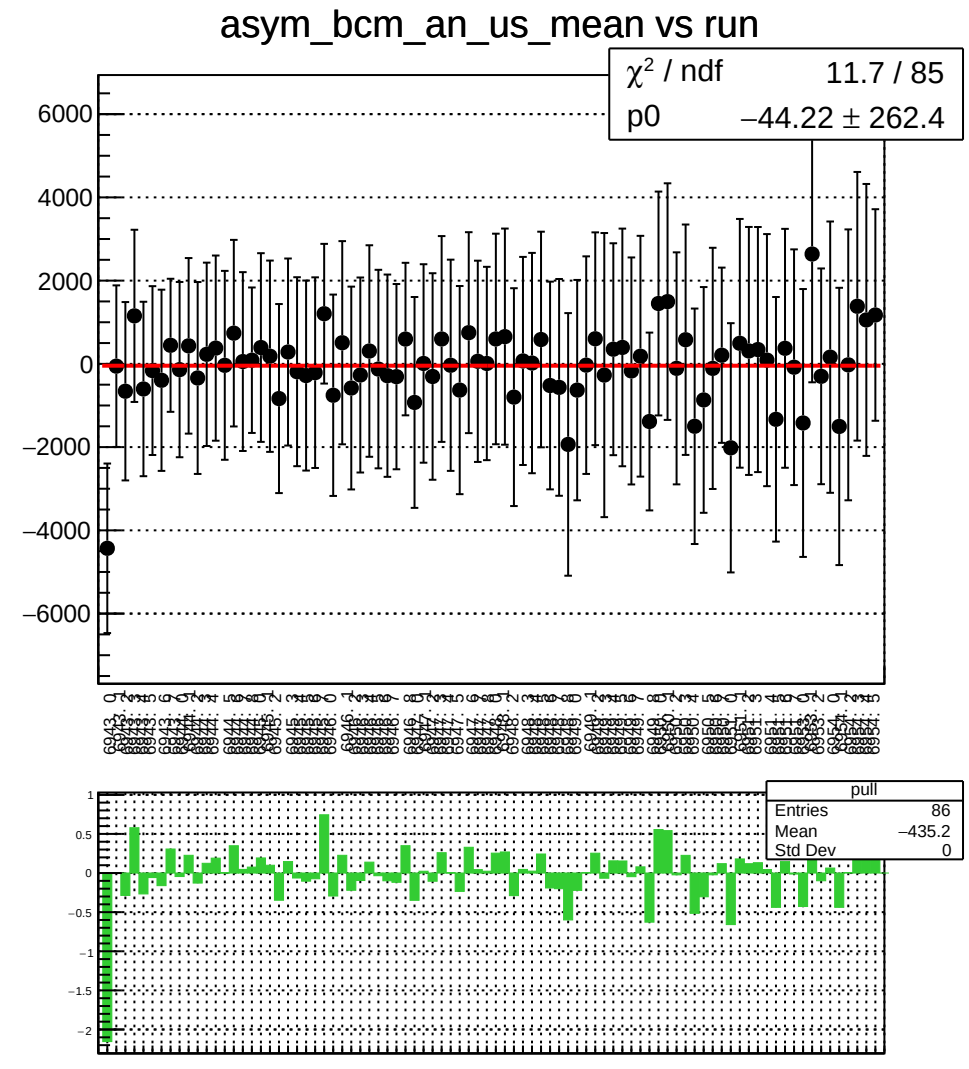

pull1D
Entries 86
Mean −0.001136
Std Dev 0.3876
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

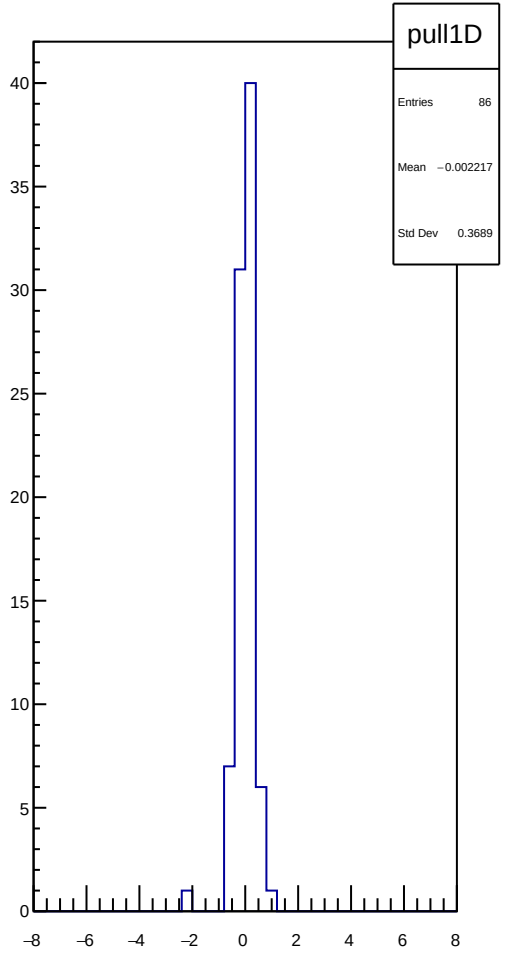

asym_bcm_an_ds_rms vs run
χ² / ndf 3.058e+04 / 85
p0 235.4 ± 0.1846
320
300
280
260
240
220
200
180

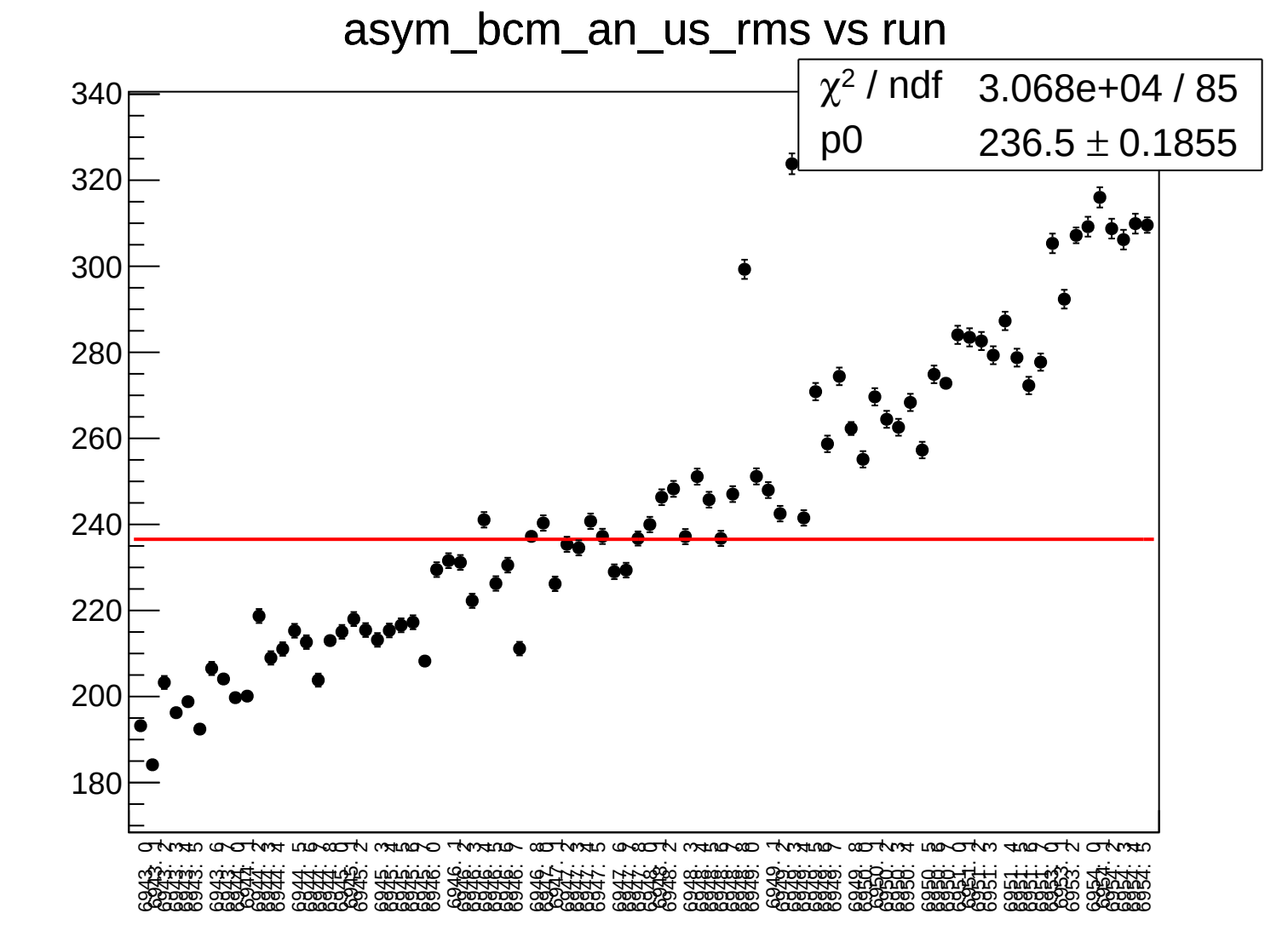

asym_bcm_an_ds3_mean vs run
χ² / ndf 13.08 / 85
p0 −68.01 ± 262.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −936.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

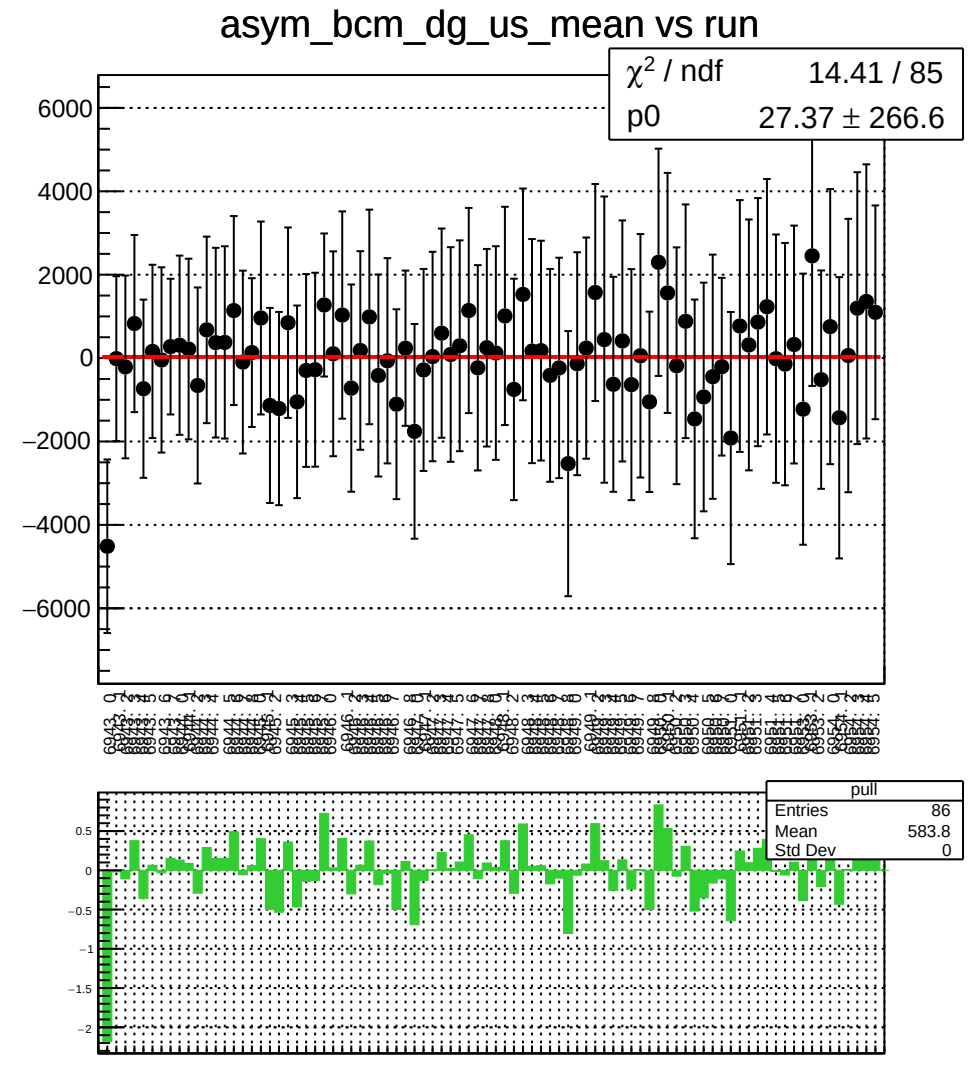

pull1D
Entries 86
Mean −0.001027
Std Dev 0.39
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

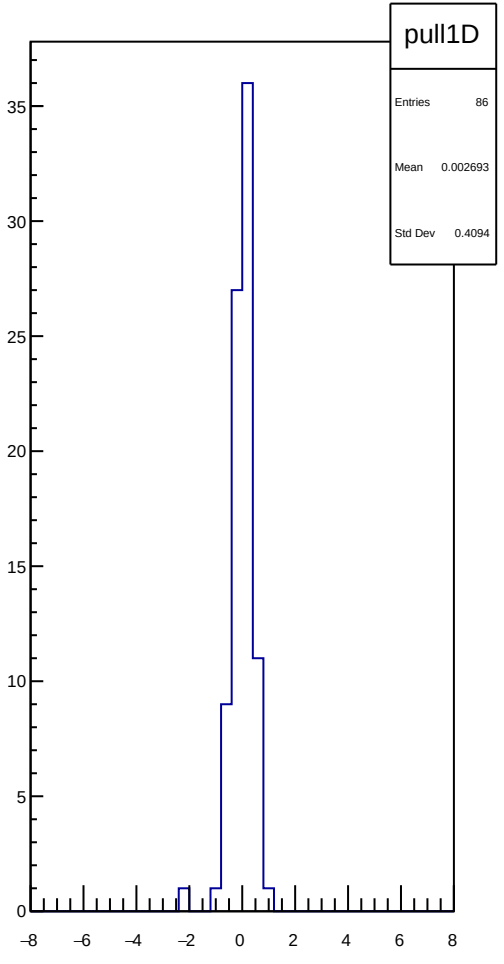

asym_bcm_an_ds3_rms vs run
χ² / ndf 3.061e+04 / 85
p0 236.3 ± 0.1853
320
300
280
260
240
220
200
180

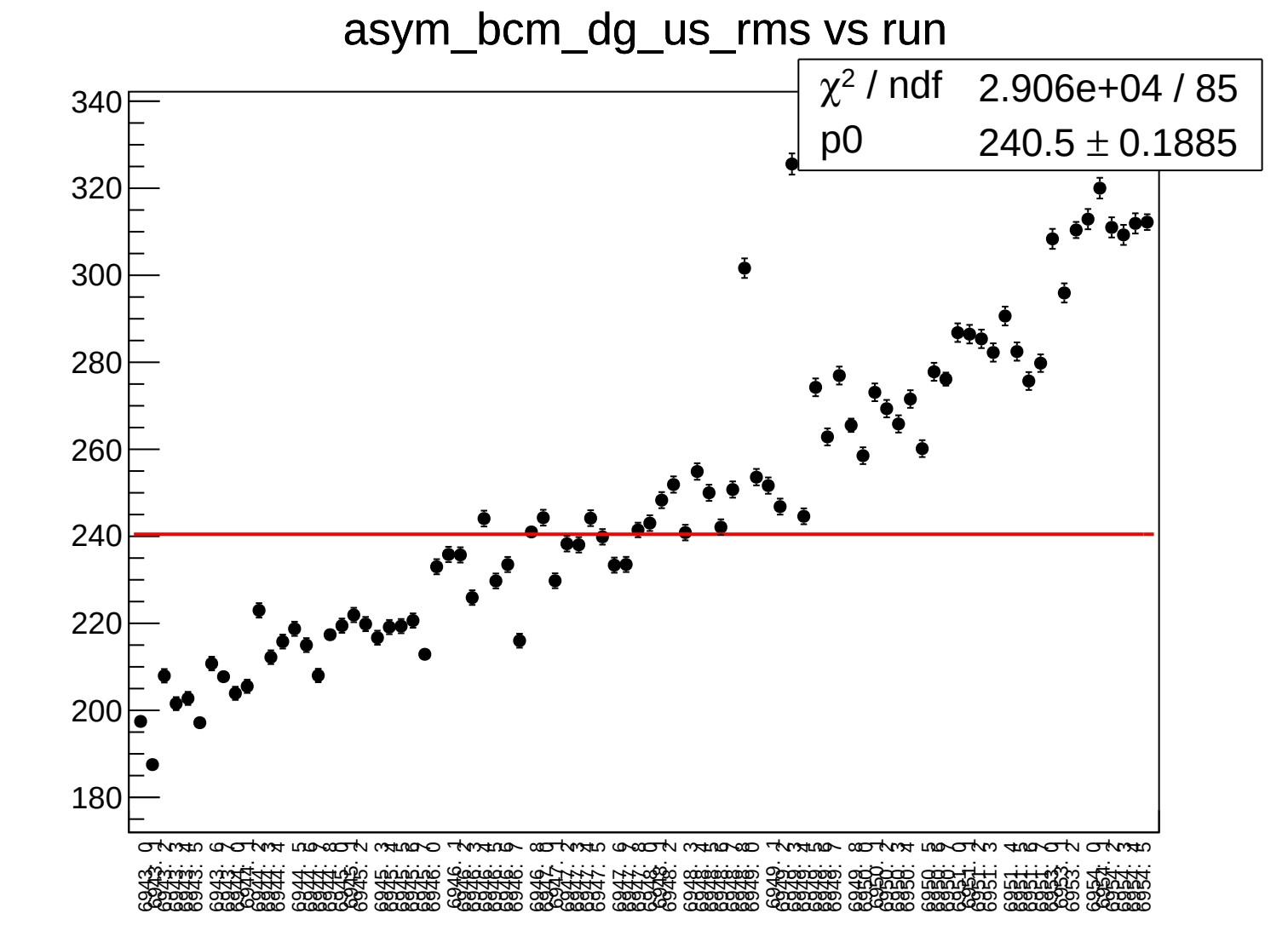

asym_bcm_an_us_mean vs run
χ² / ndf 11.7 / 85
p0 −44.22 ± 262.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −435.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

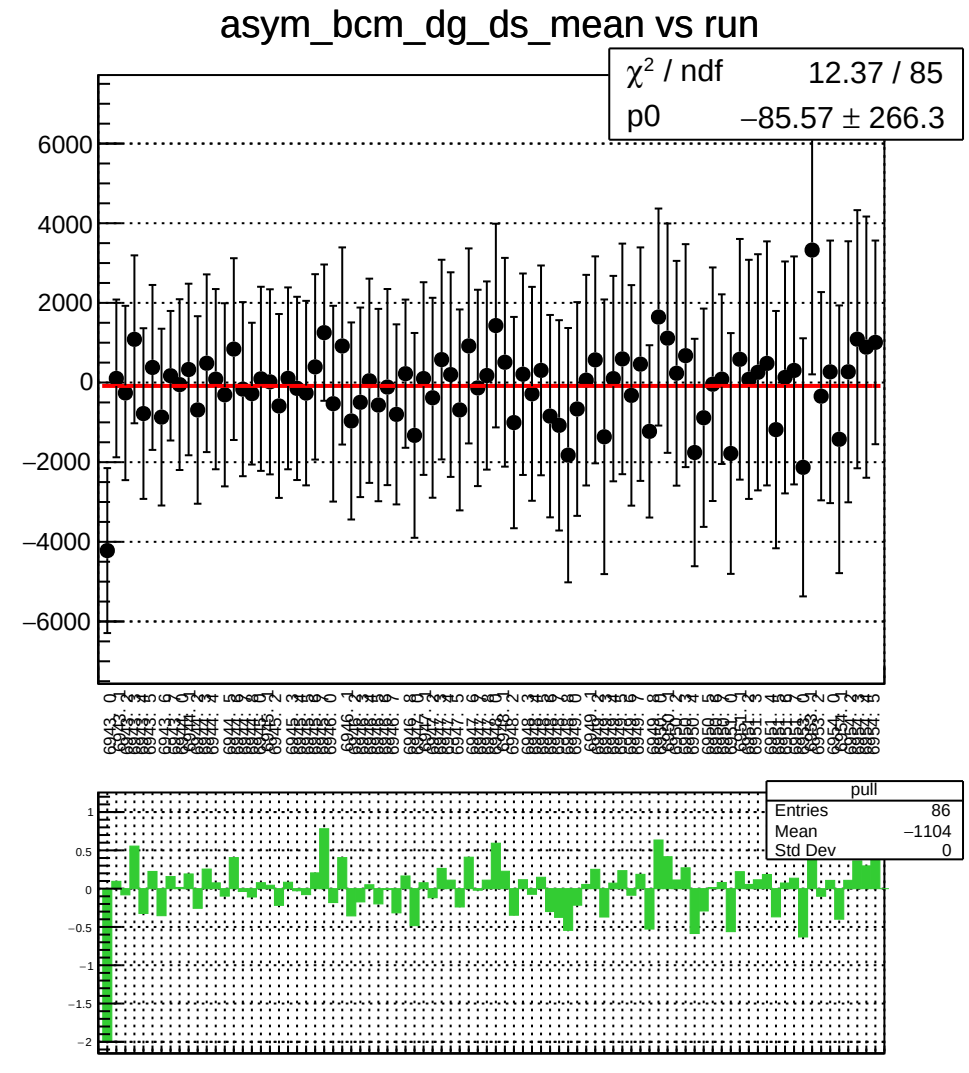

pull1D
Entries 86
Mean −0.002217
Std Dev 0.3689
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

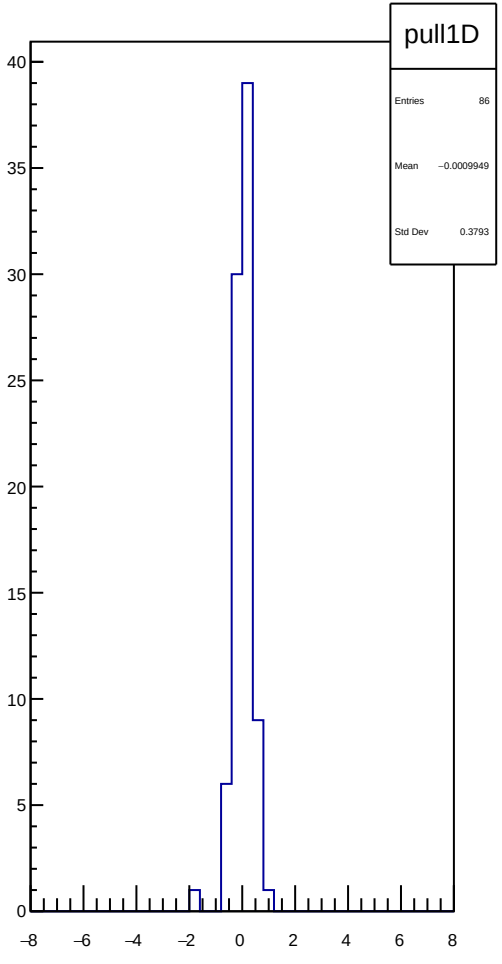

asym_bcm_an_us_rms vs run
χ² / ndf 3.068e+04 / 85
p0 236.5 ± 0.1855
340
320
300
280
260
240
220
200
180

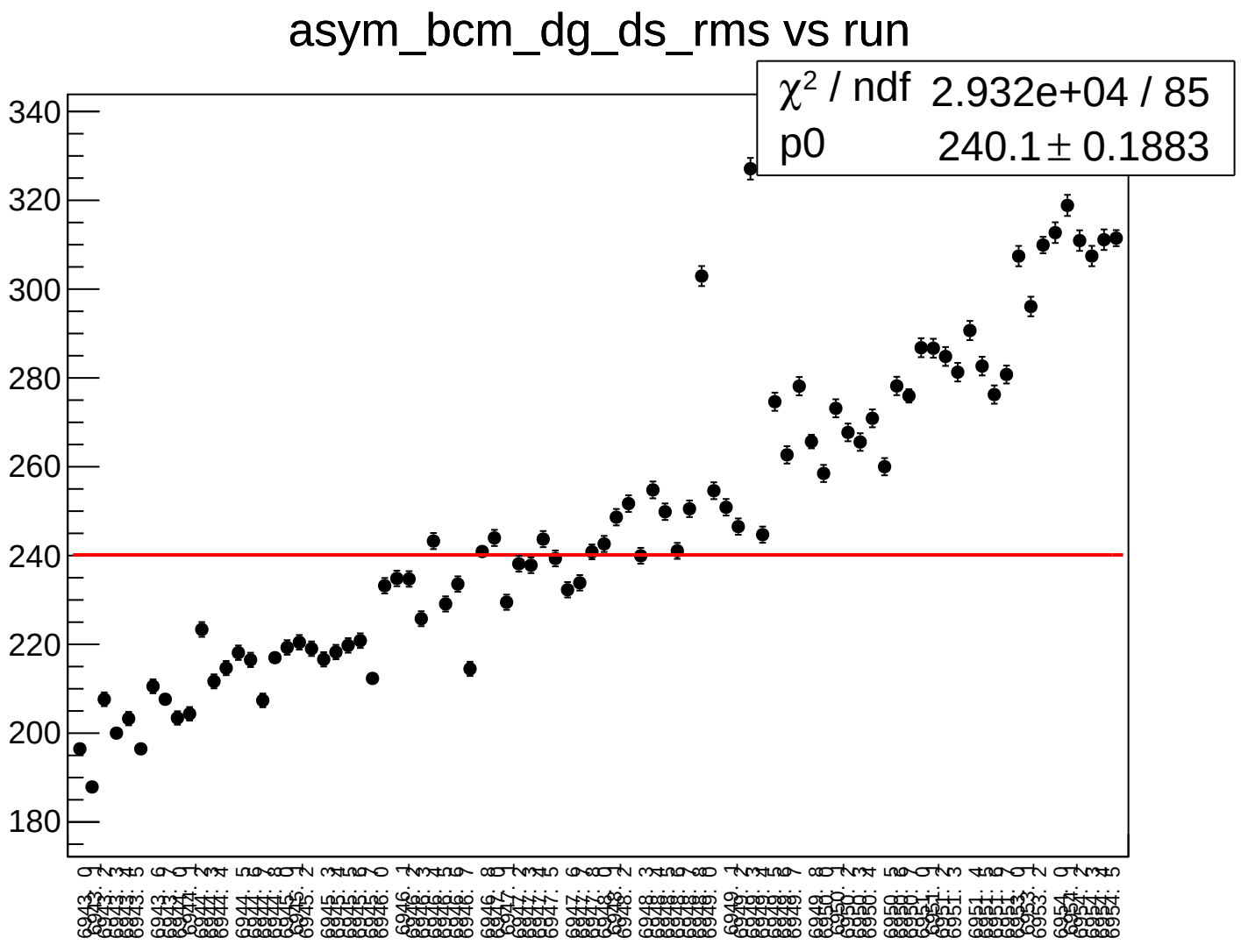

asym_bcm_dg_us_mean vs run
χ² / ndf 14.41 / 85
p0 27.37 ± 266.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 583.8
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2

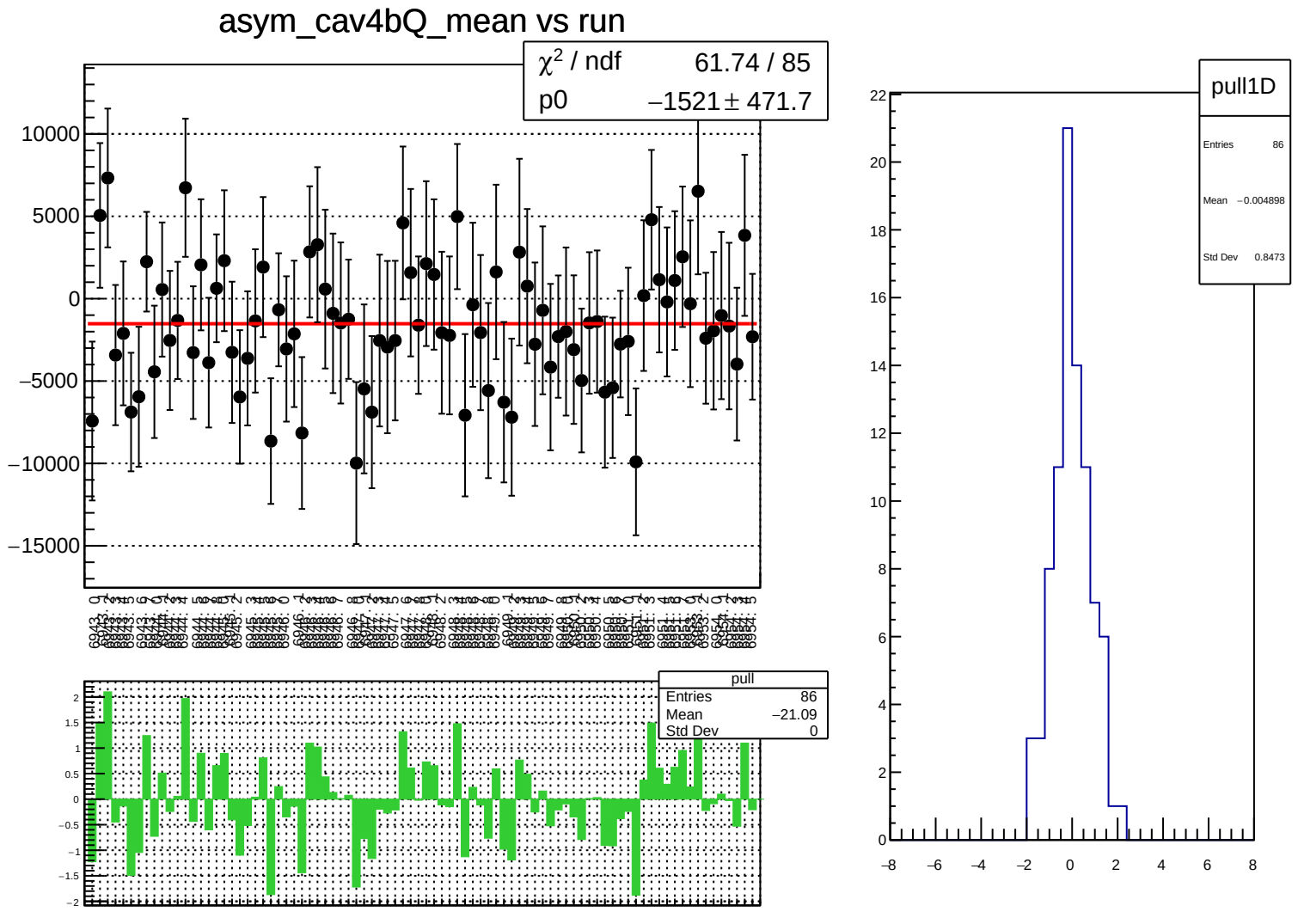

pull1D
Entries 86
Mean 0.002693
Std Dev 0.4094
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

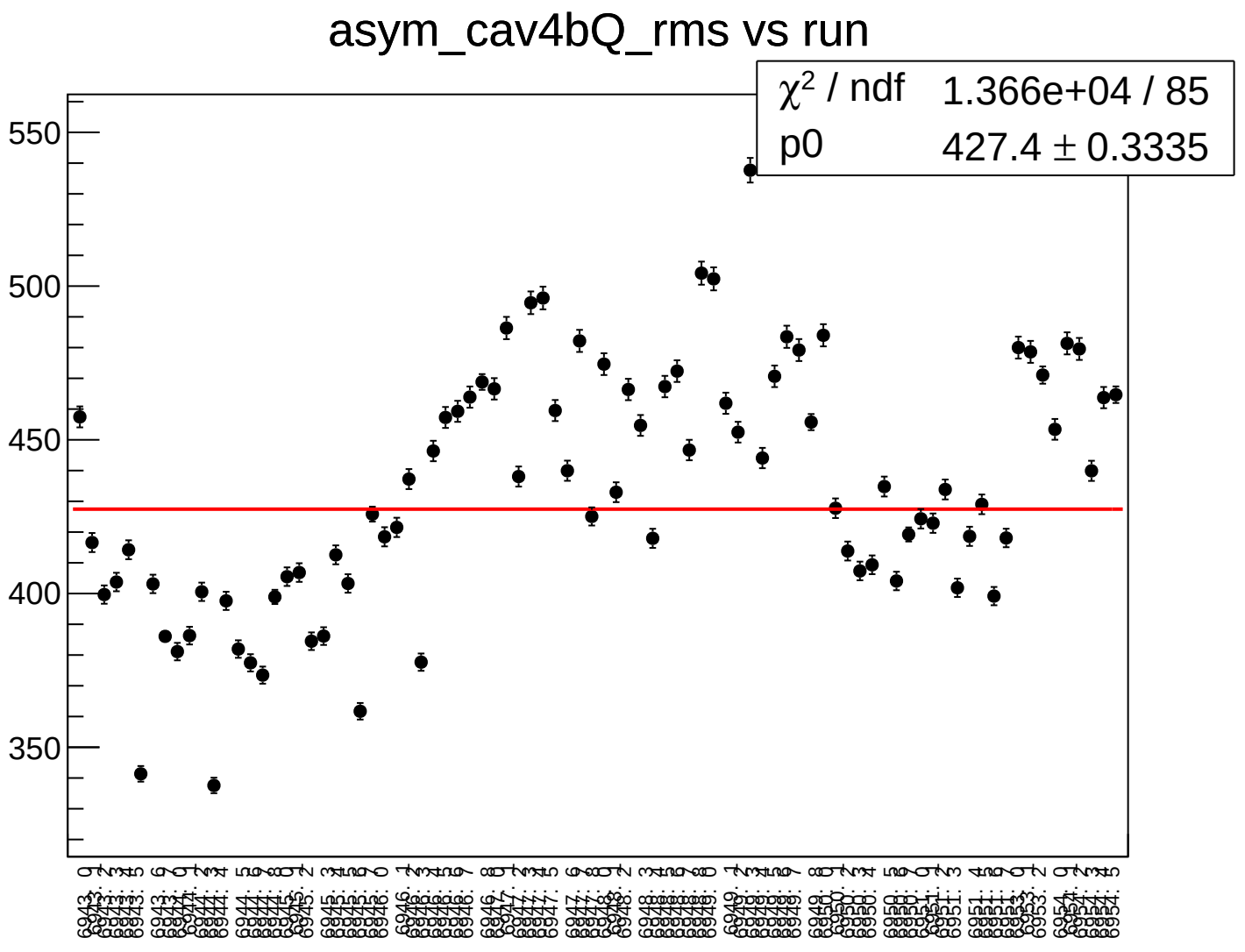

asym_bcm_dg_us_rms vs run
χ² / ndf 2.906e+04 / 85
p0 240.5 ± 0.1885
340
320
300
280
260
240
220
200
180

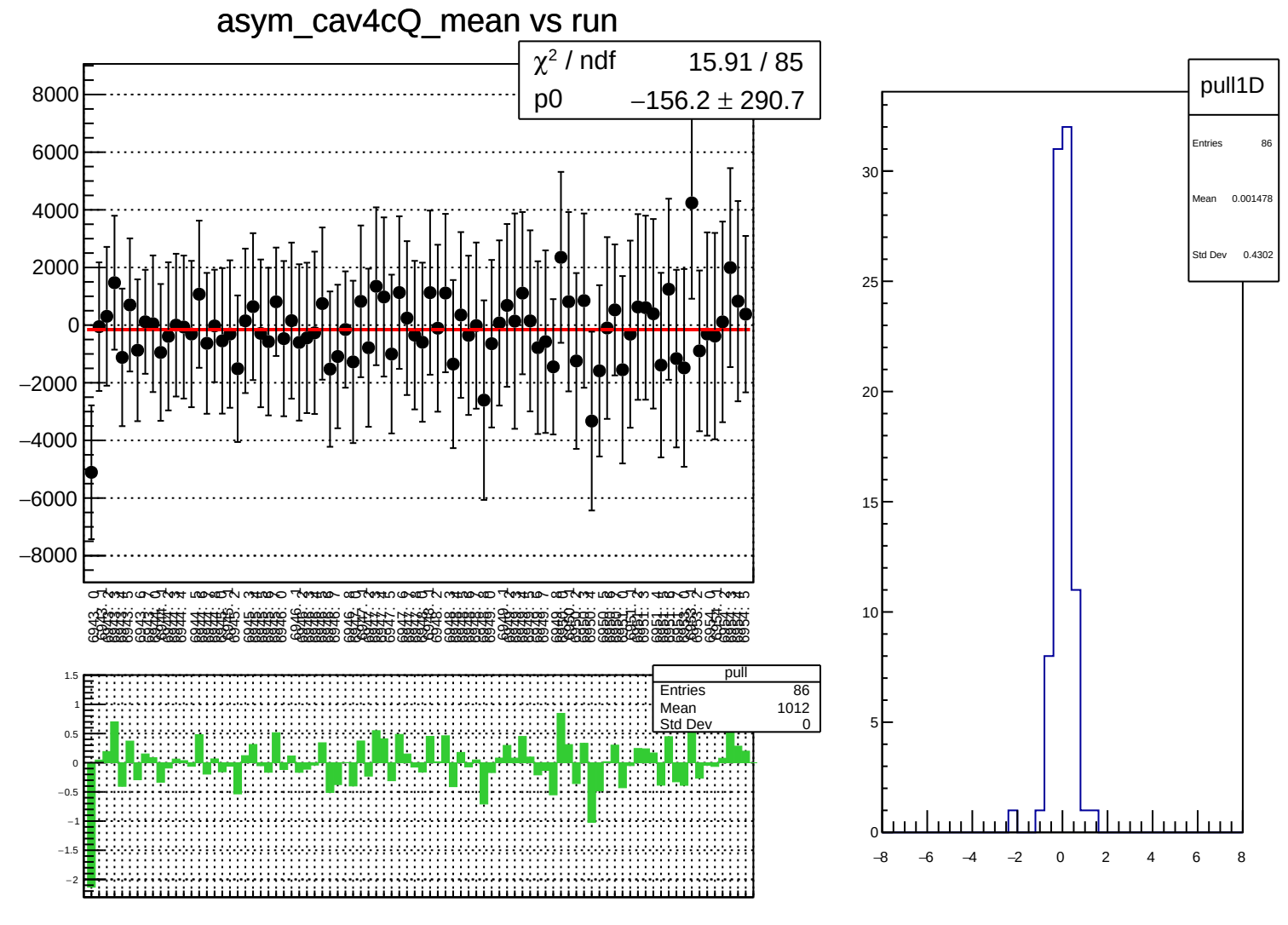

asym_bcm_dg_ds_mean vs run
χ² / ndf 12.37 / 85
p0 −85.57 ± 266.3
pull
Entries 86
Mean −1104
Std Dev 0

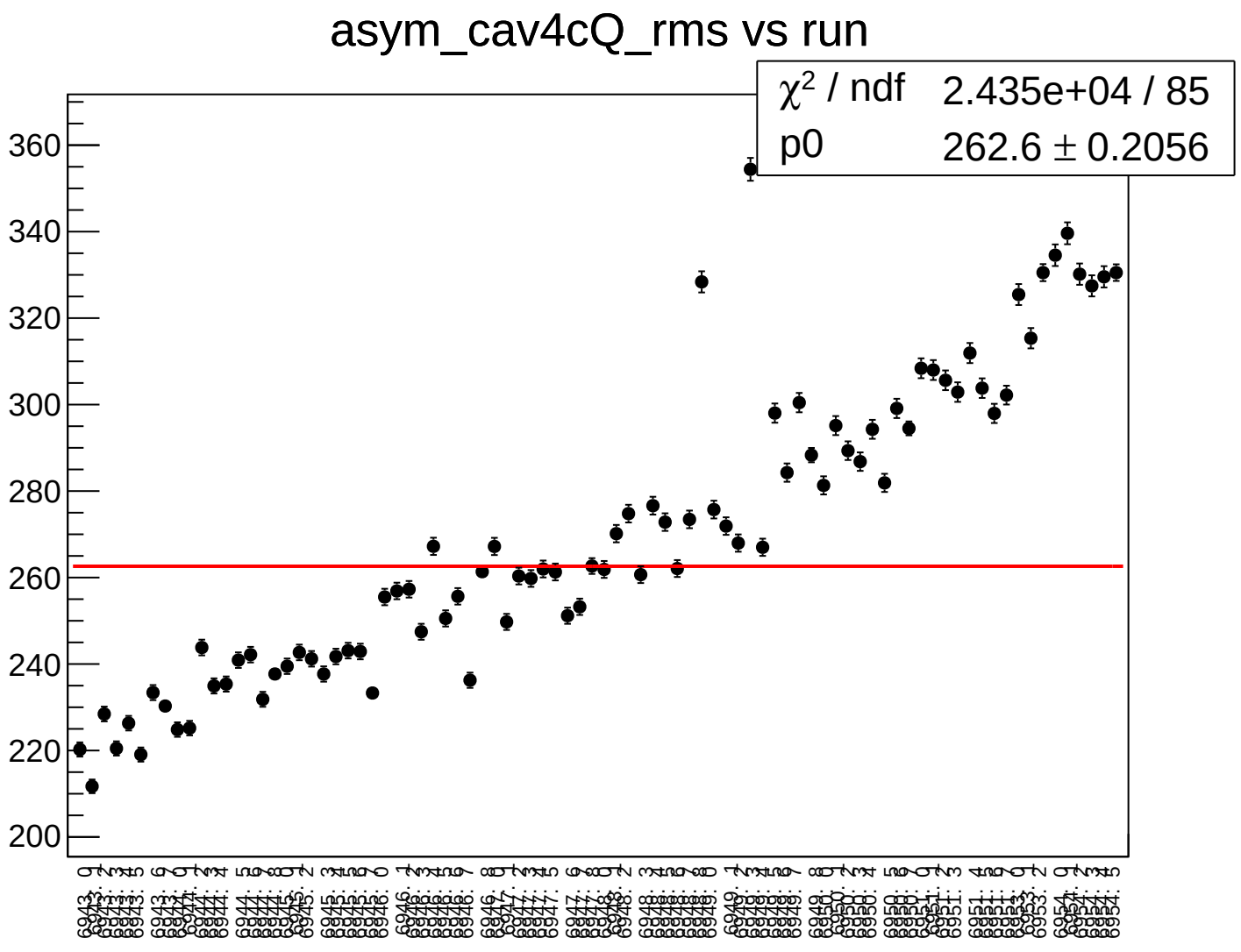

pull1D
Entries 86
Mean −0.0009949
Std Dev 0.3793

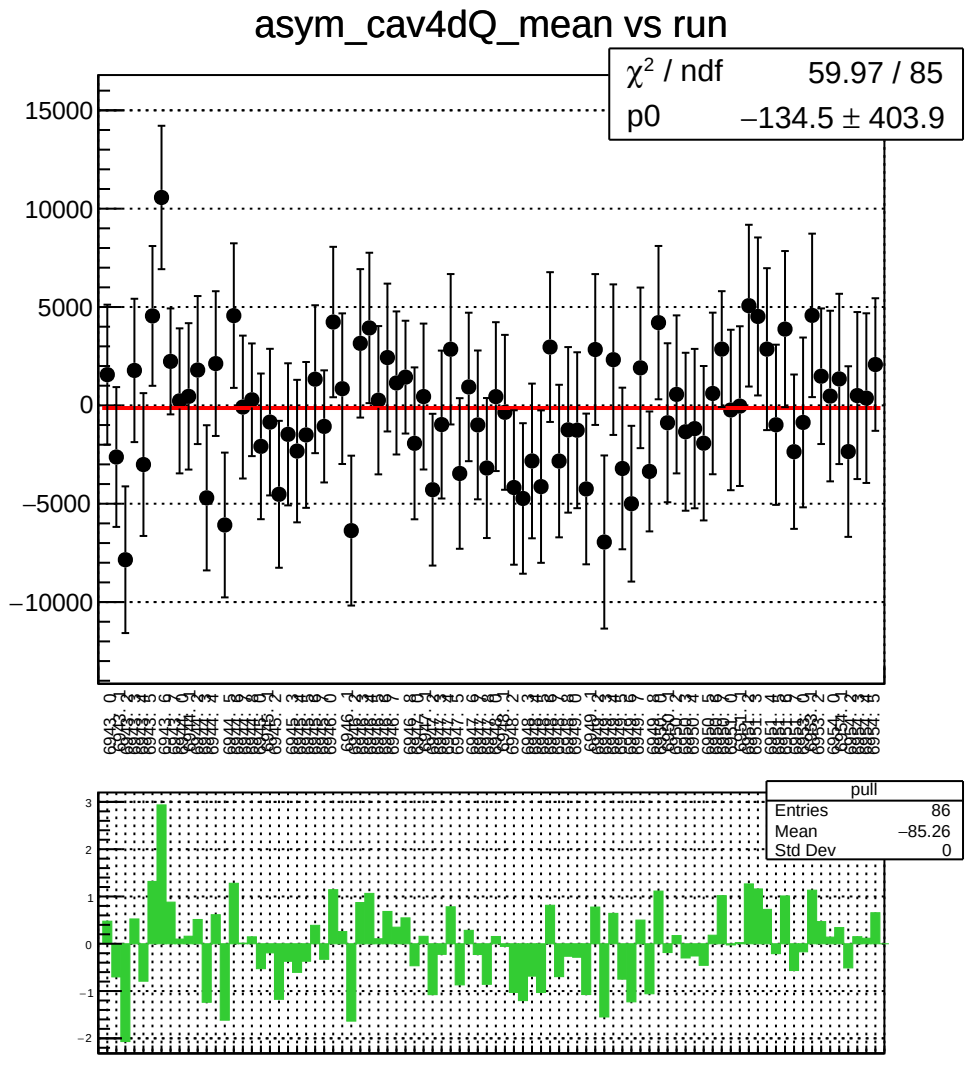

asym_bcm_dg_ds_rms vs run
χ² / ndf 2.932e+04 / 85
p0 240.1 ± 0.1883
340
320
300
280
260
240
220
200
180

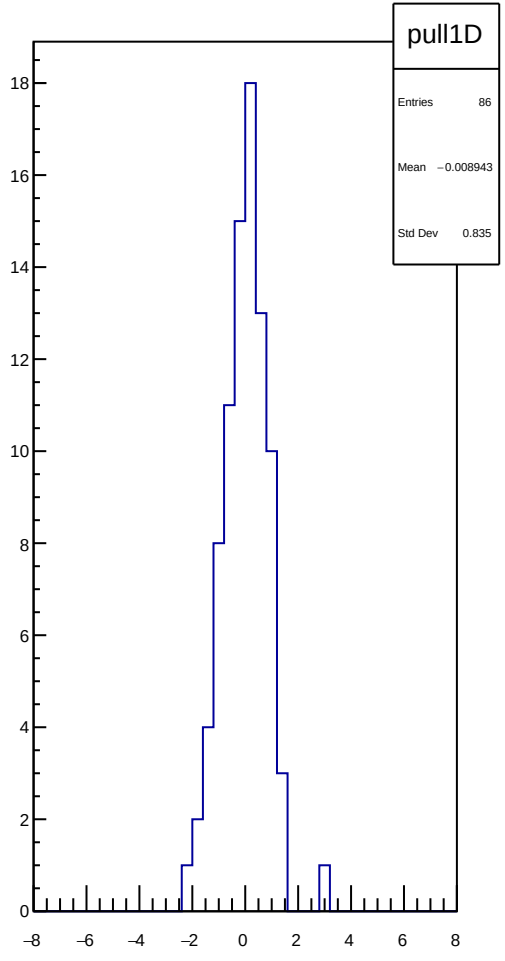

asym_cav4bQ_mean vs run
χ² / ndf 61.74 / 85
p0 −1521 ± 471.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −21.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.004898
Std Dev 0.8473
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

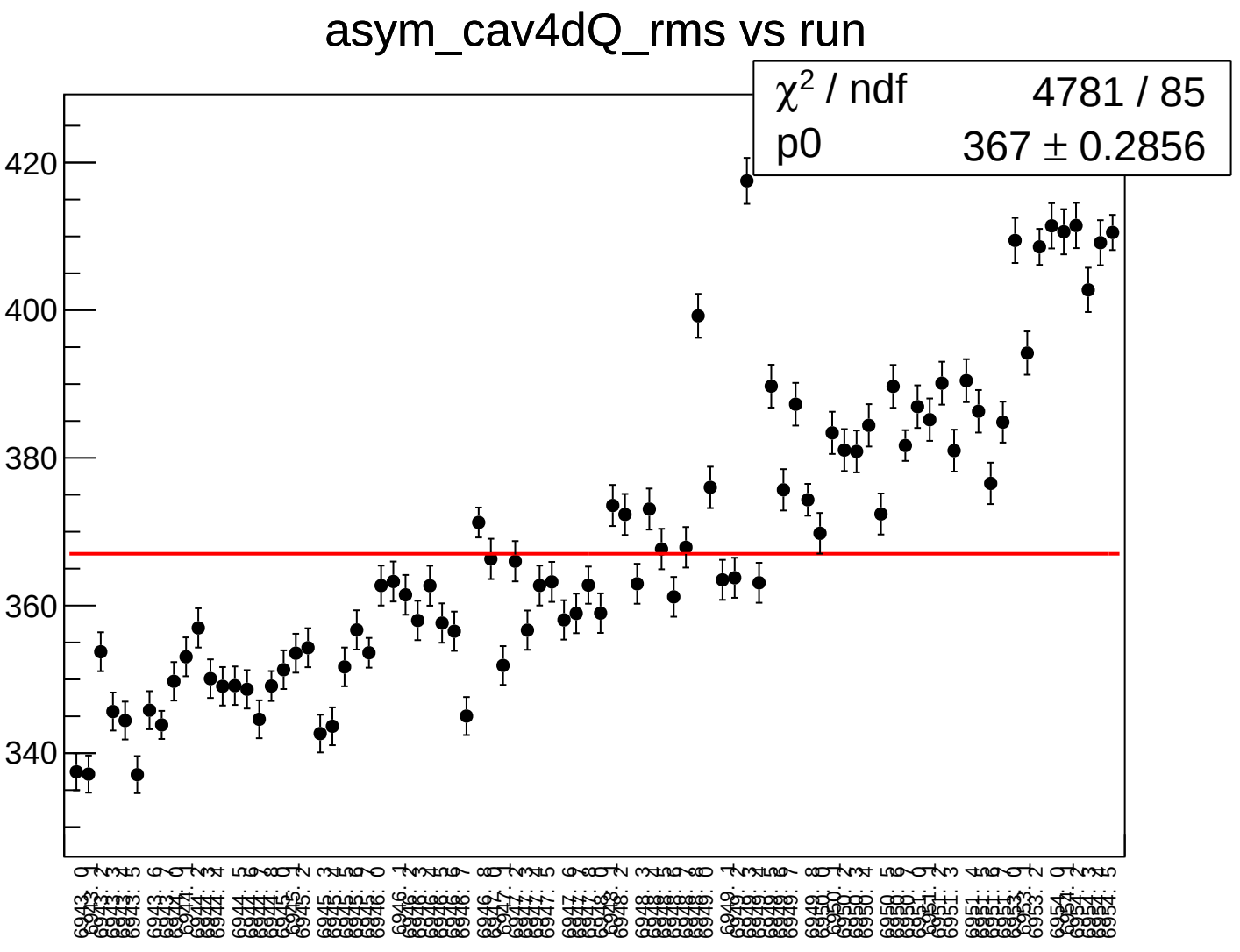

asym_cav4bQ_rms vs run
χ² / ndf 1.366e+04 / 85
p0 427.4 ± 0.3335
550
500
450
400
350

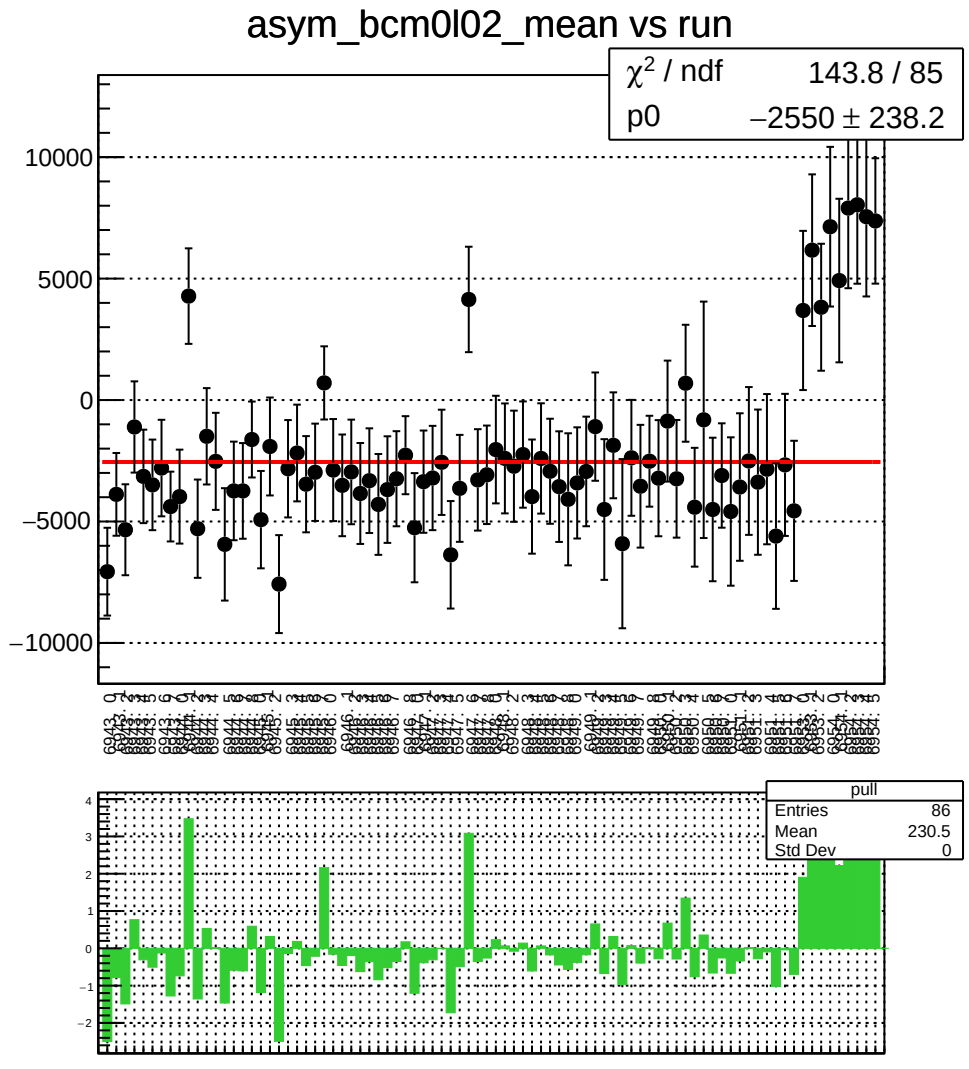

asym_cav4cQ_mean vs run
χ² / ndf 15.91 / 85
p0 −156.2 ± 290.7
pull
Entries 86
Mean 1012
Std Dev 0
pull1D
Entries 86
Mean 0.001478
Std Dev 0.4302

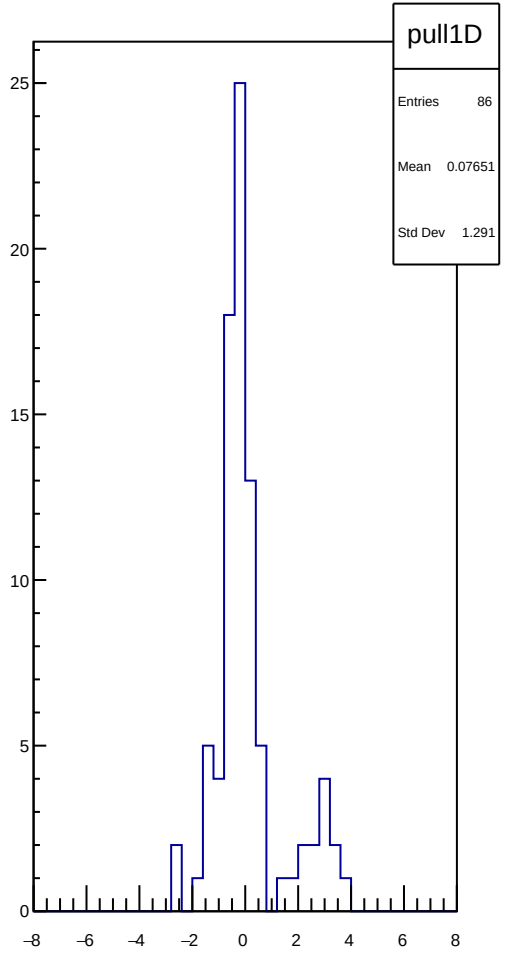

asym_cav4cQ_rms vs run
χ² / ndf 2.435e+04 / 85
p0 262.6 ± 0.2056
360
340
320
300
280
260
240
220
200

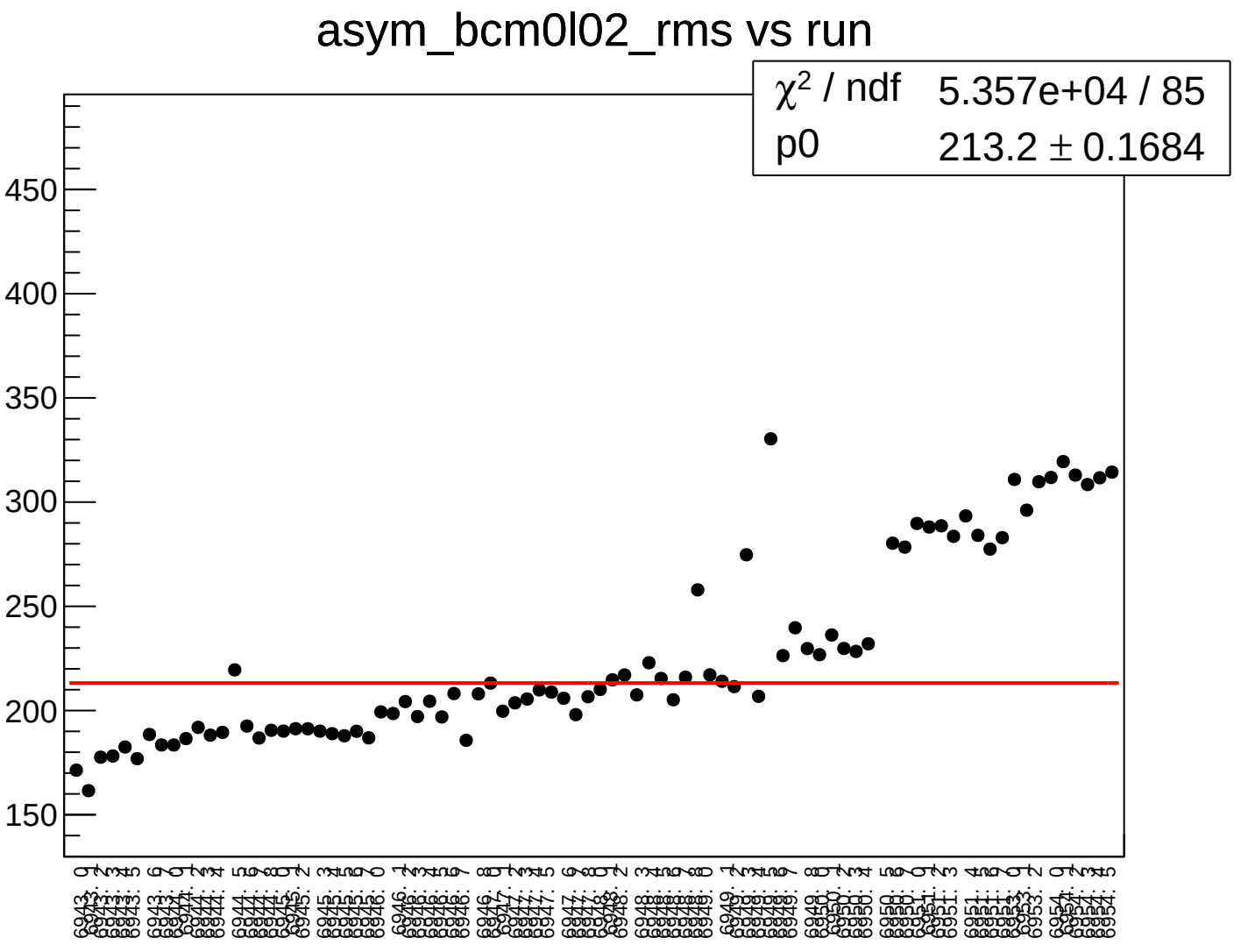

asym_cav4dQ_mean vs run
χ² / ndf 59.97 / 85
p0 −134.5 ± 403.9
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −85.26
Std Dev 0
3
2
1
0
−1
−2

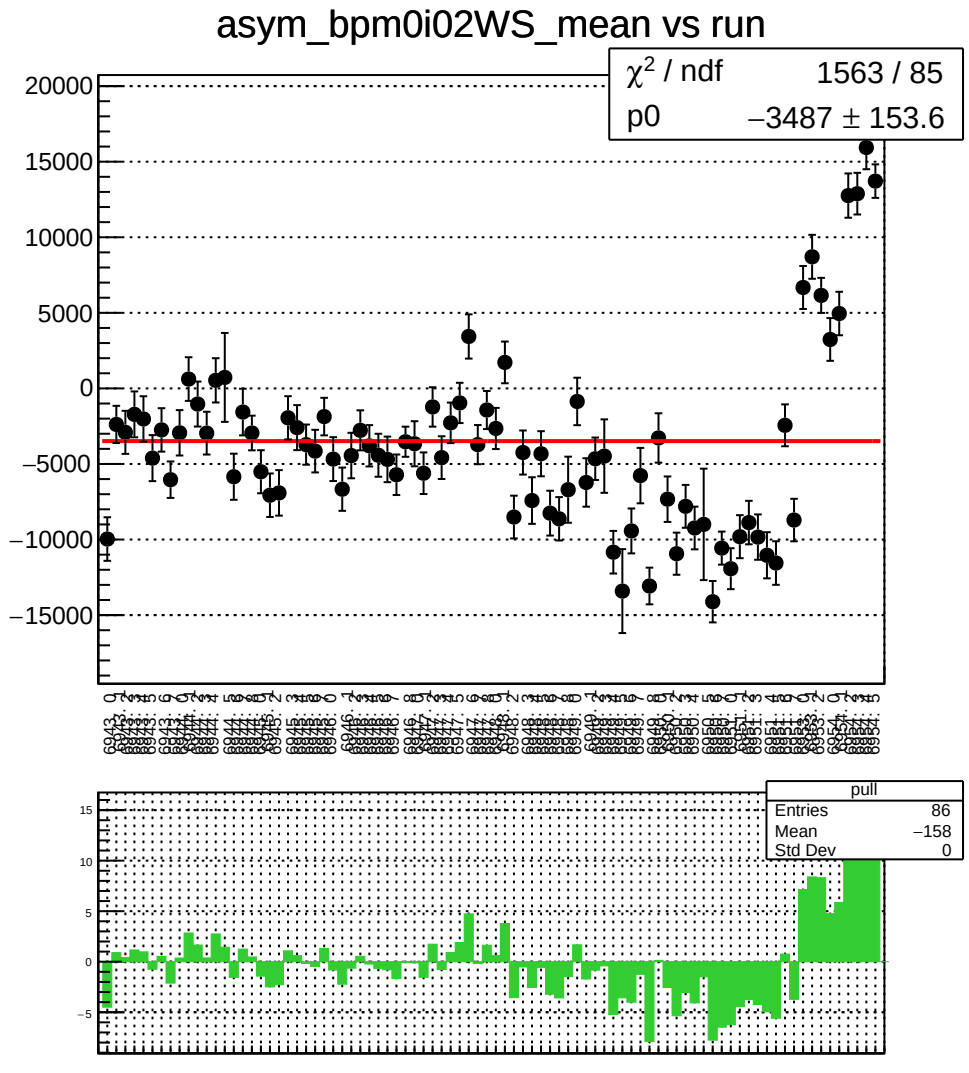

pull1D
Entries 86
Mean −0.008943
Std Dev 0.835
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

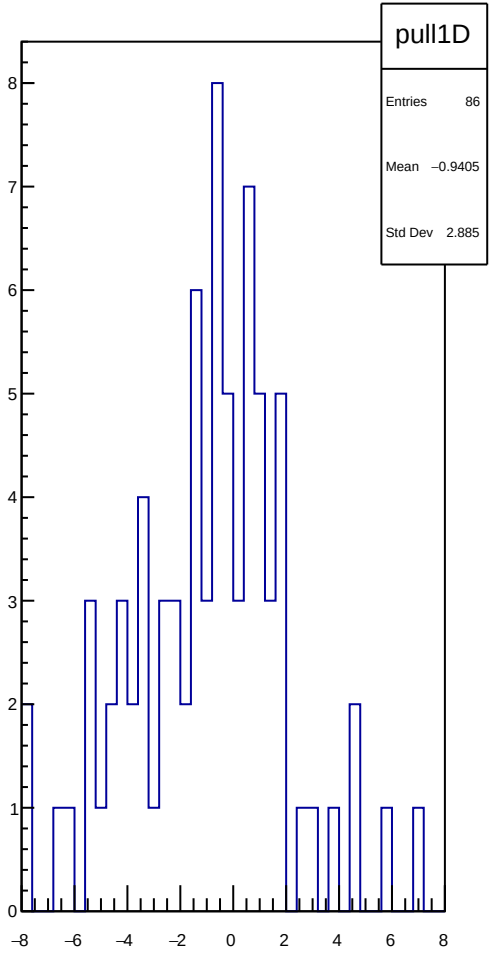

asym_cav4dQ_rms vs run
χ^2 / ndf 4781 / 85
p0 367 ± 0.2856
420
400
380
360
340

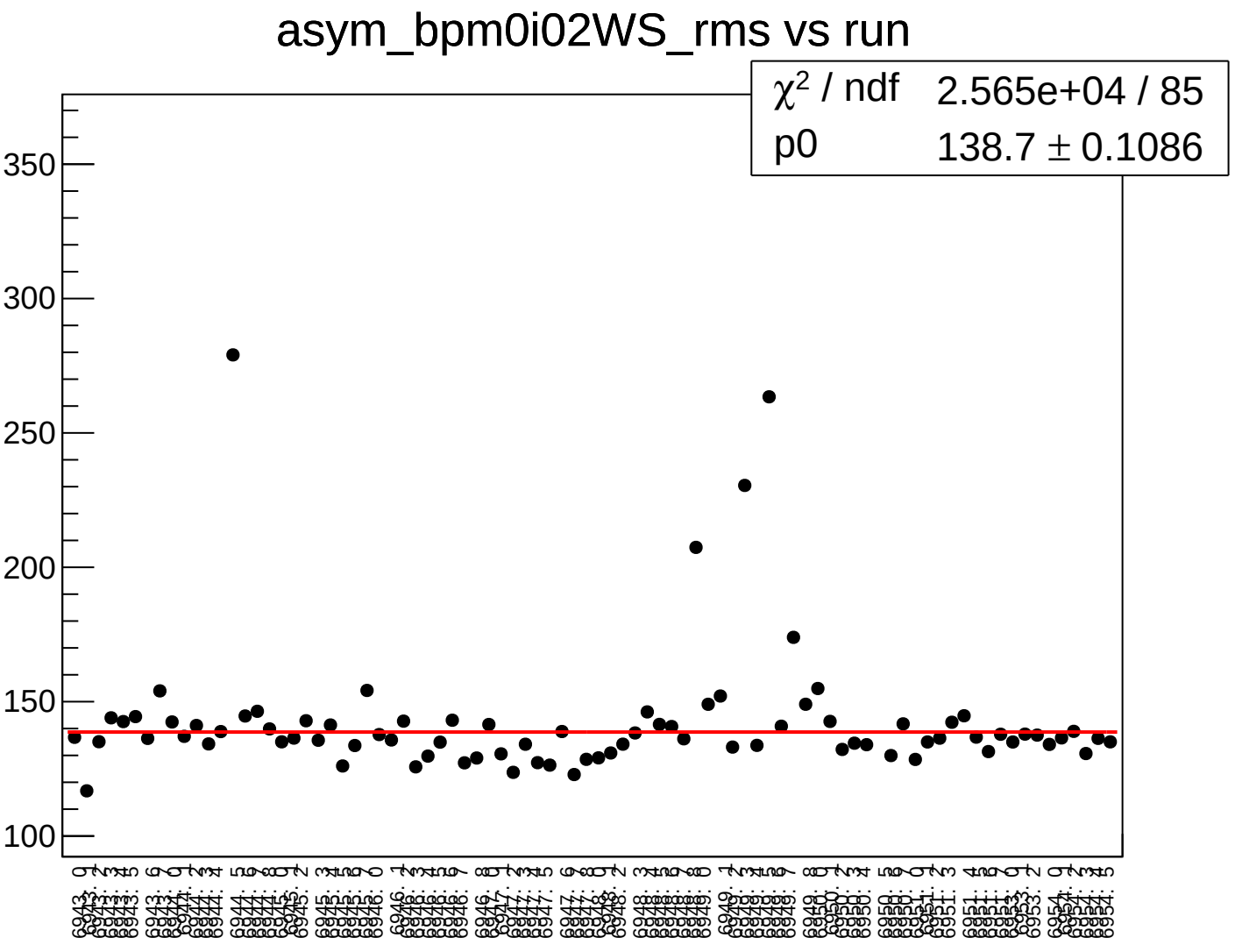

asym_bcm0l02_mean vs run
χ² / ndf 143.8 / 85
p0 −2550 ± 238.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 230.5
Std Dev 0
4
3
2
1
0
−1
−2

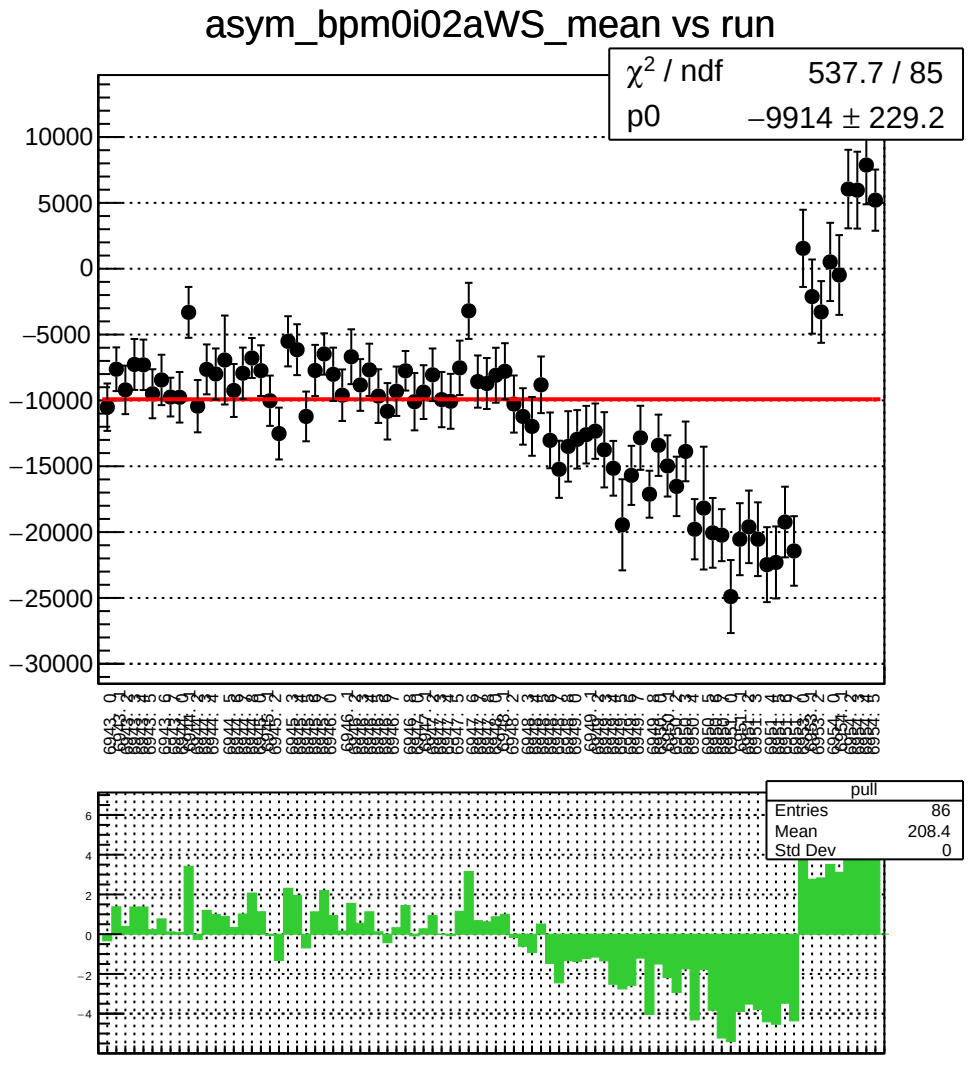

pull1D
Entries 86
Mean 0.07651
Std Dev 1.291
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

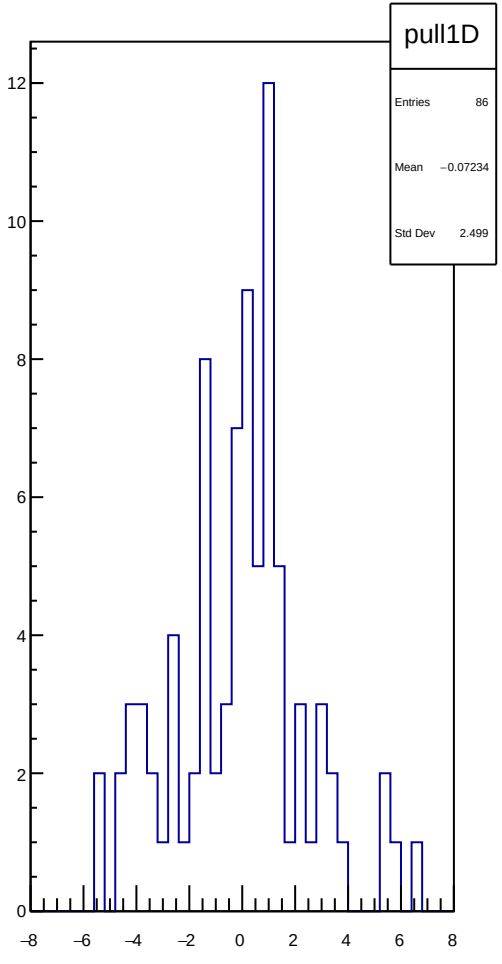

asym_bcm0l02_rms vs run
χ^2 / ndf 5.357e+04 / 85
p0 213.2 ± 0.1684
450
400
350
300
250
200
150

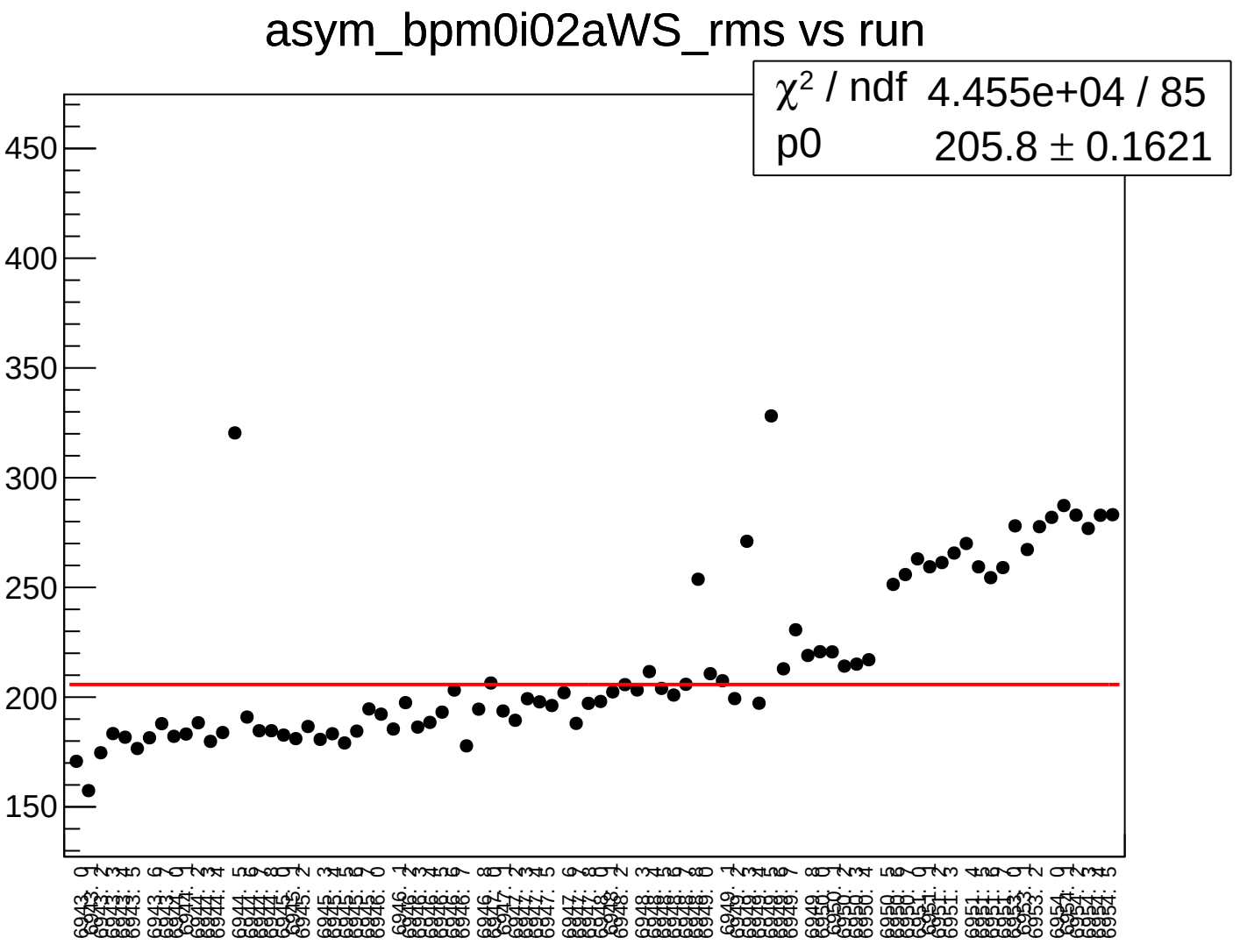

asym_bpm0i02WS_mean vs run
χ² / ndf 1563 / 85
p0 −3487 ± 153.6
pull
Entries 86
Mean −158
Std Dev 0

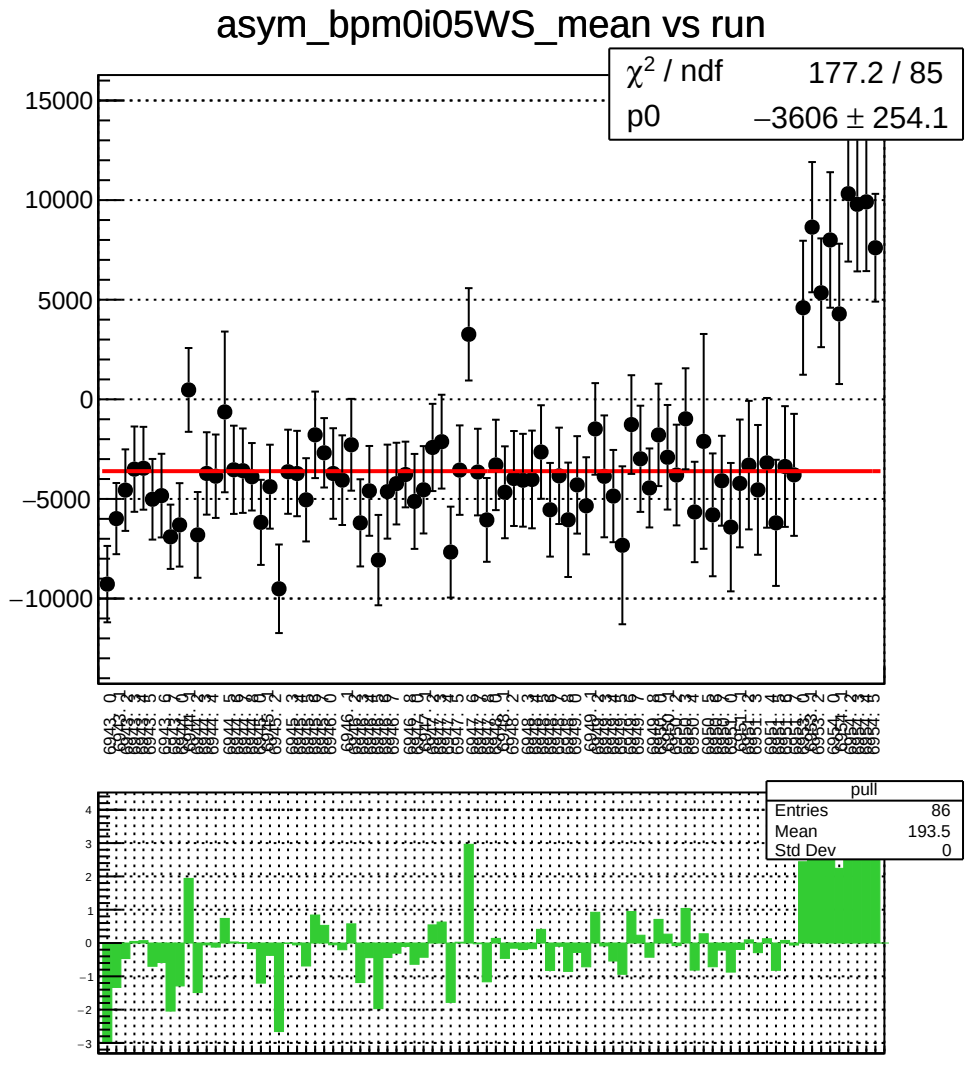

pull1D
Entries 86
Mean −0.9405
Std Dev 2.885

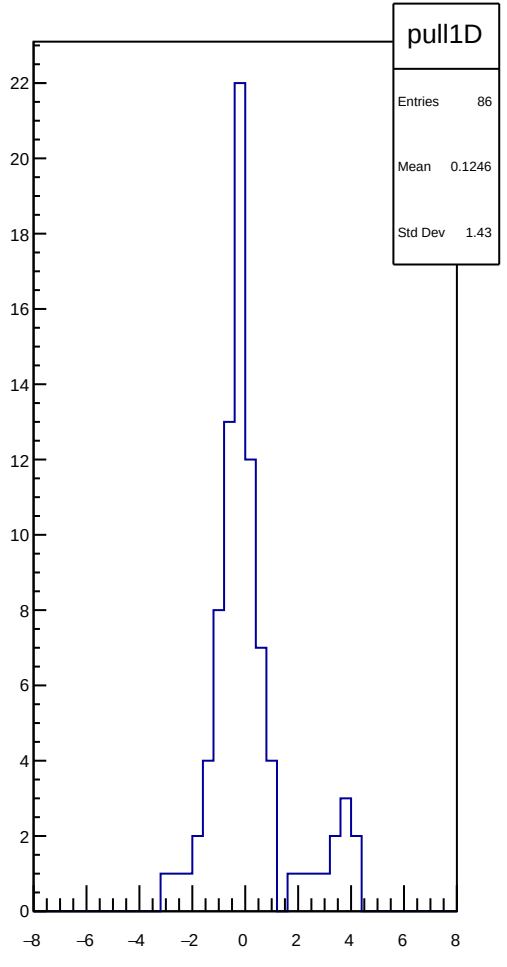

asym_bpm0i02WS_rms vs run
χ^2 / ndf 2.565e+04 / 85
p0 138.7 ± 0.1086
350
300
250
200
150
100

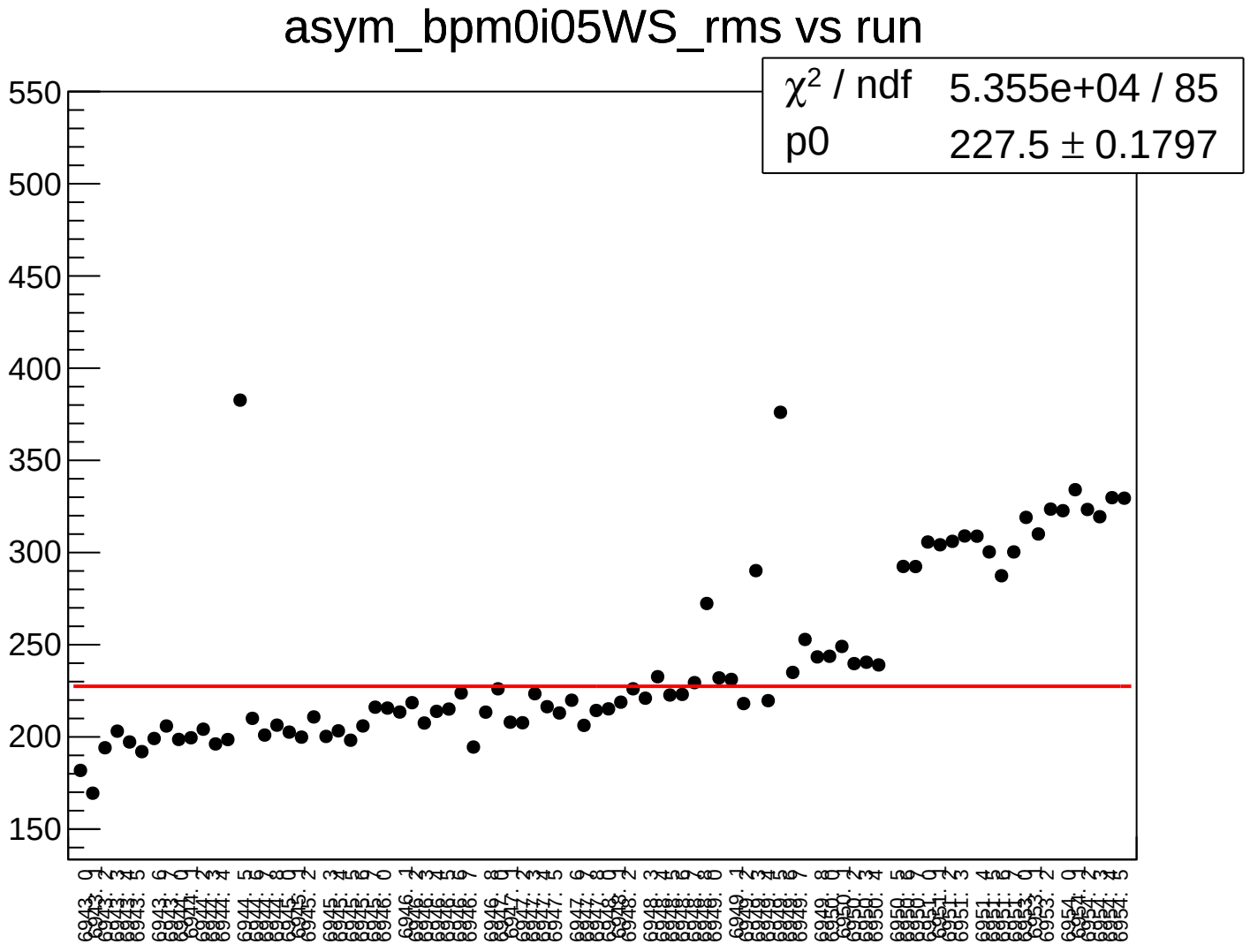

asym_bpm0i02aWS_mean vs run
χ² / ndf 537.7 / 85
p0 −9914 ± 229.2
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 86
Mean 208.4
Std Dev 0
6
4
2
0
−2
−4

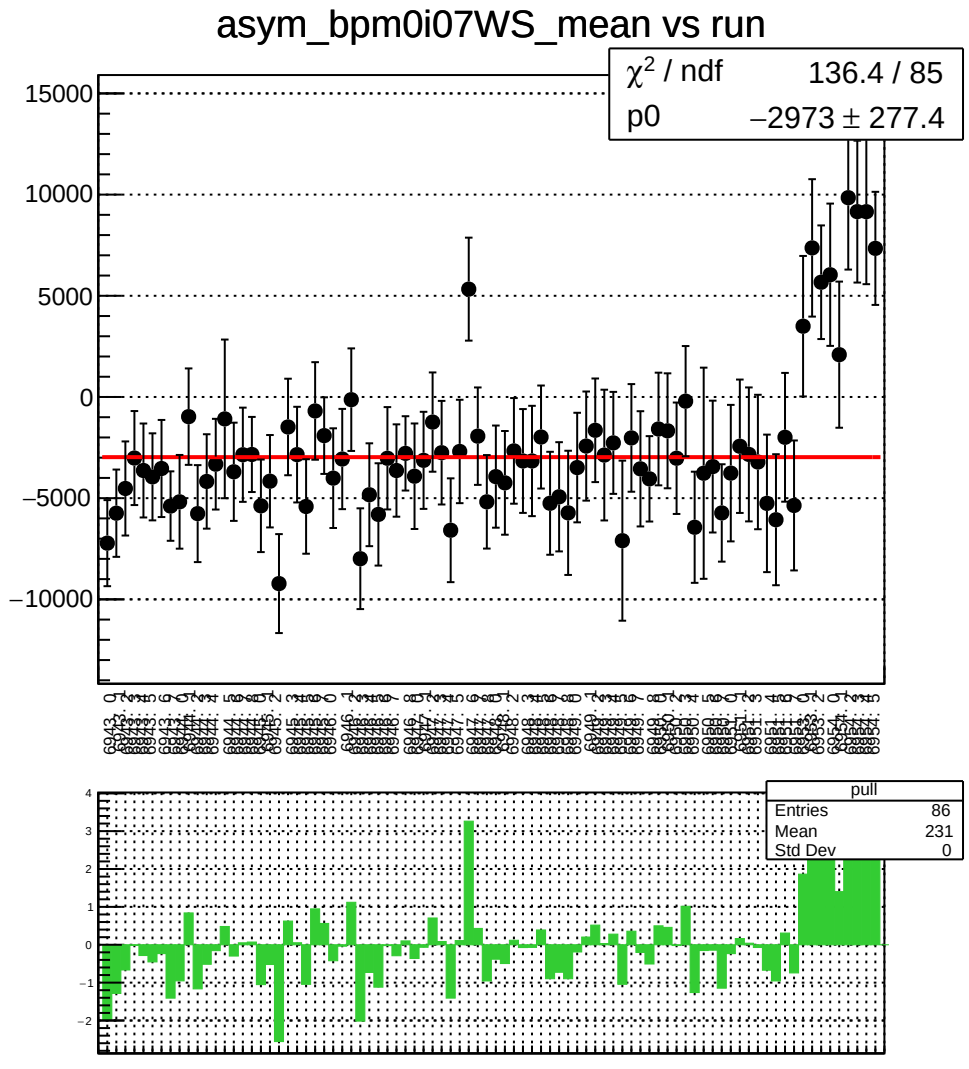

pull1D
Entries 86
Mean −0.07234
Std Dev 2.499
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

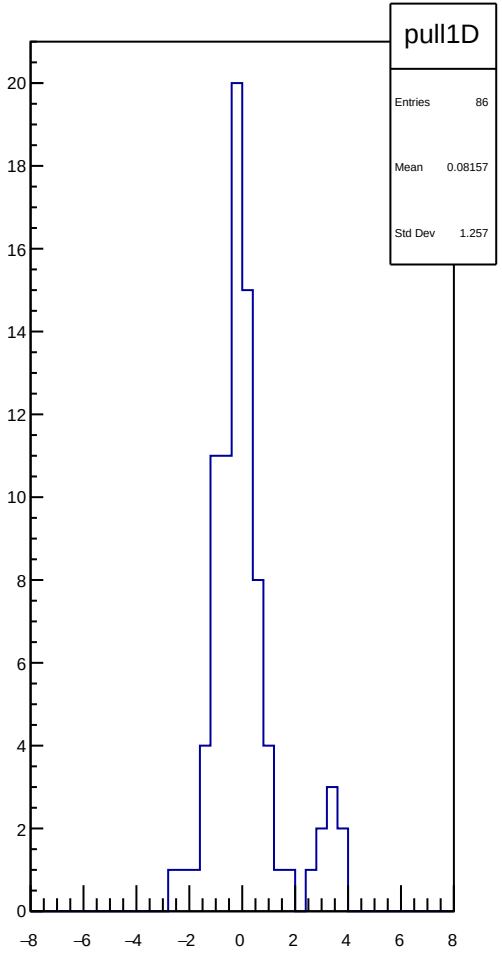

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.455e+04 / 85
p0 205.8 ± 0.1621
450
400
350
300
250
200
150

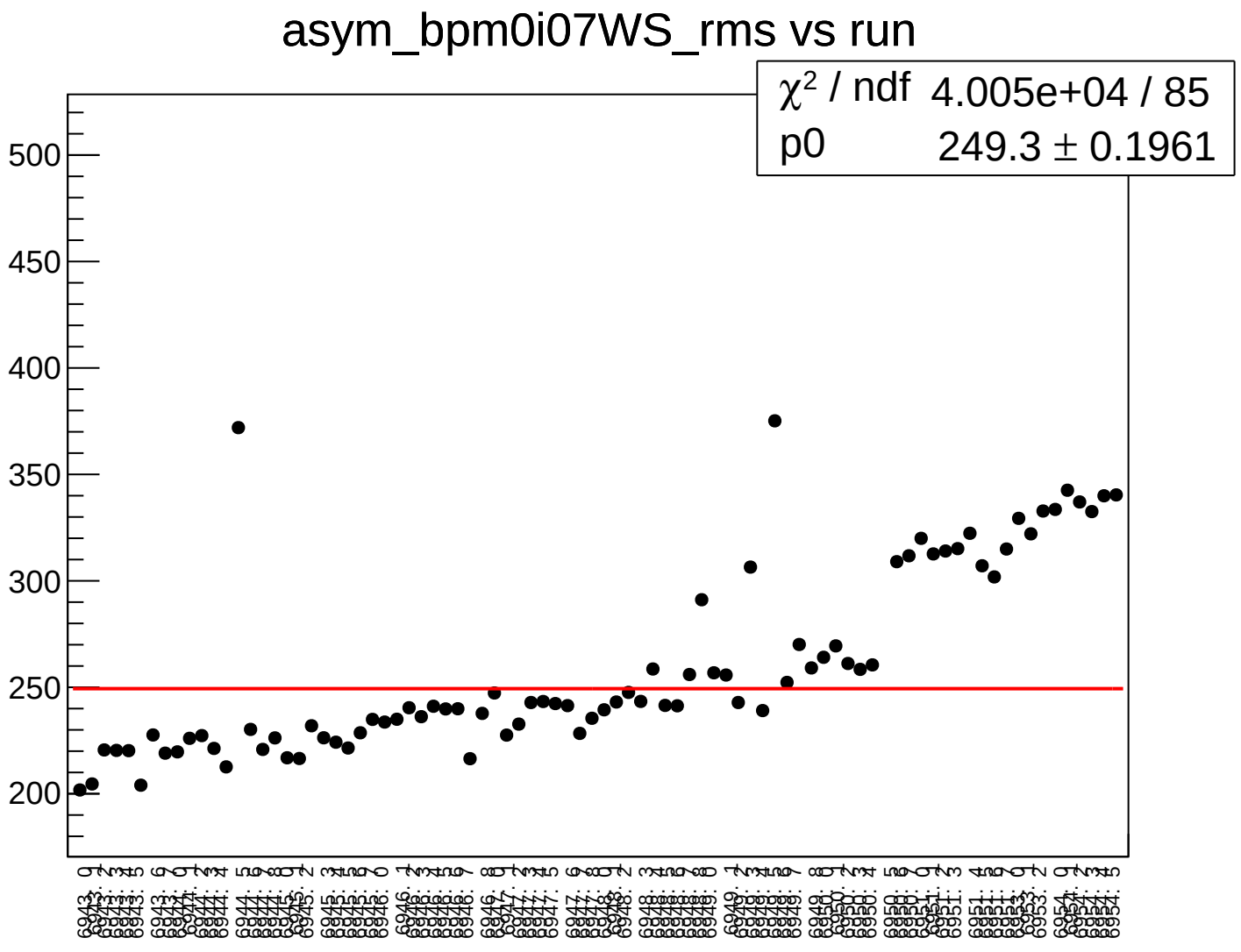

asym_bpm0i05WS_mean vs run
χ² / ndf 177.2 / 85
p0 −3606 ± 254.1
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 193.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

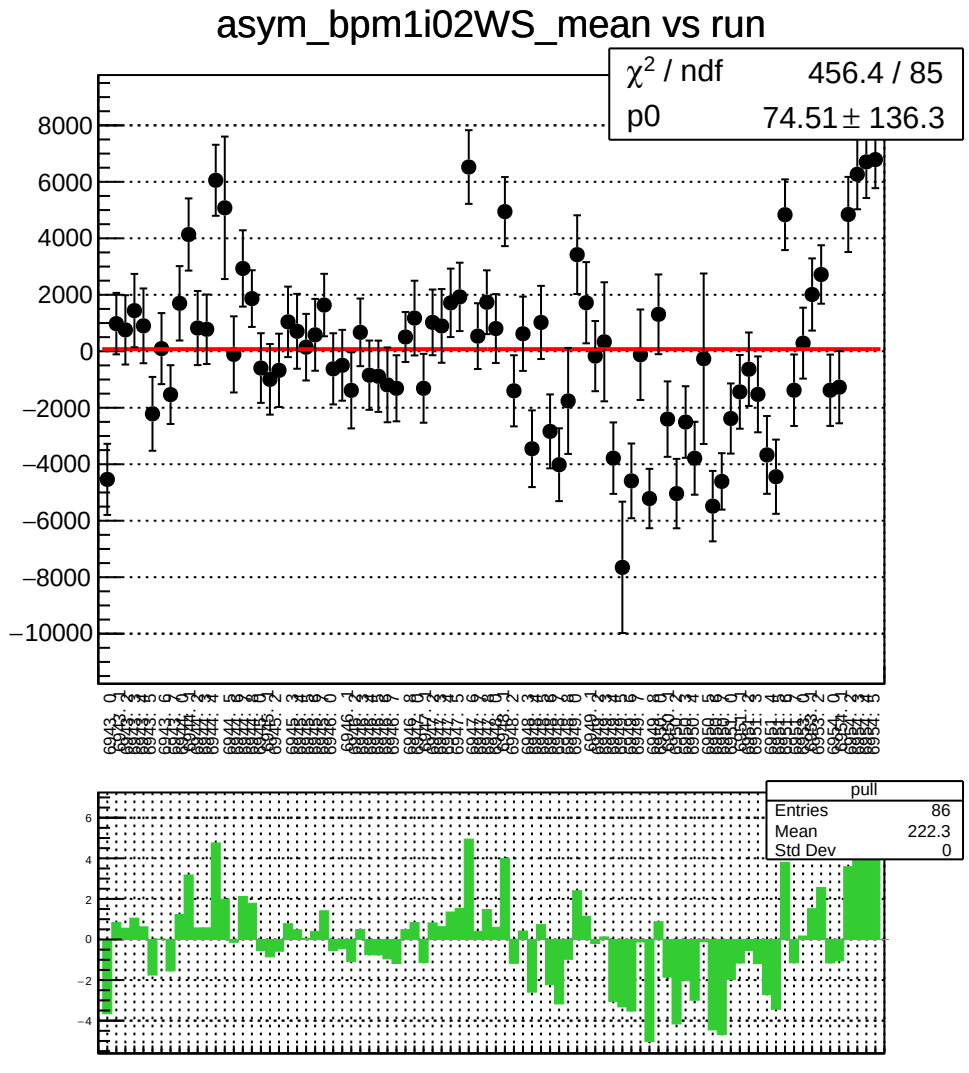

pull1D
Entries 86
Mean 0.1246
Std Dev 1.43
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

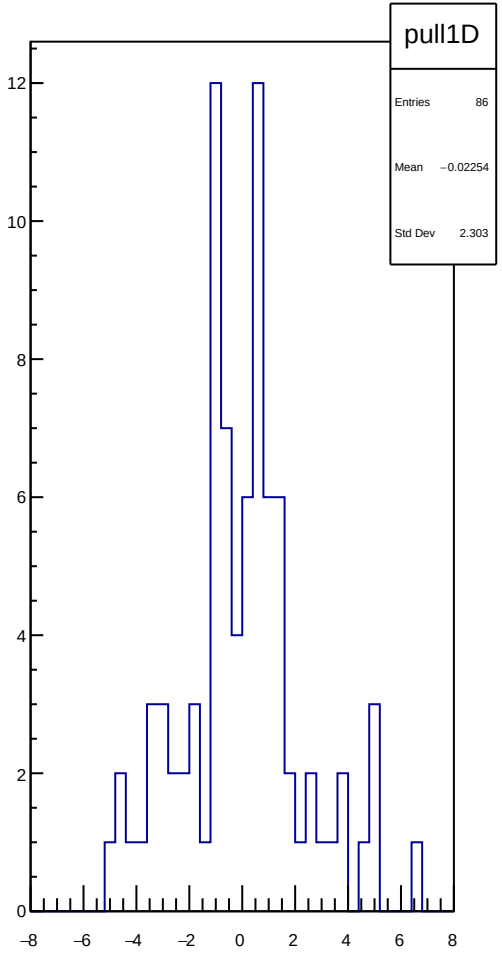

asym_bpm0i05WS_rms vs run
χ^2 / ndf 5.355e+04 / 85
p0 227.5 ± 0.1797
550
500
450
400
350
300
250
200
150

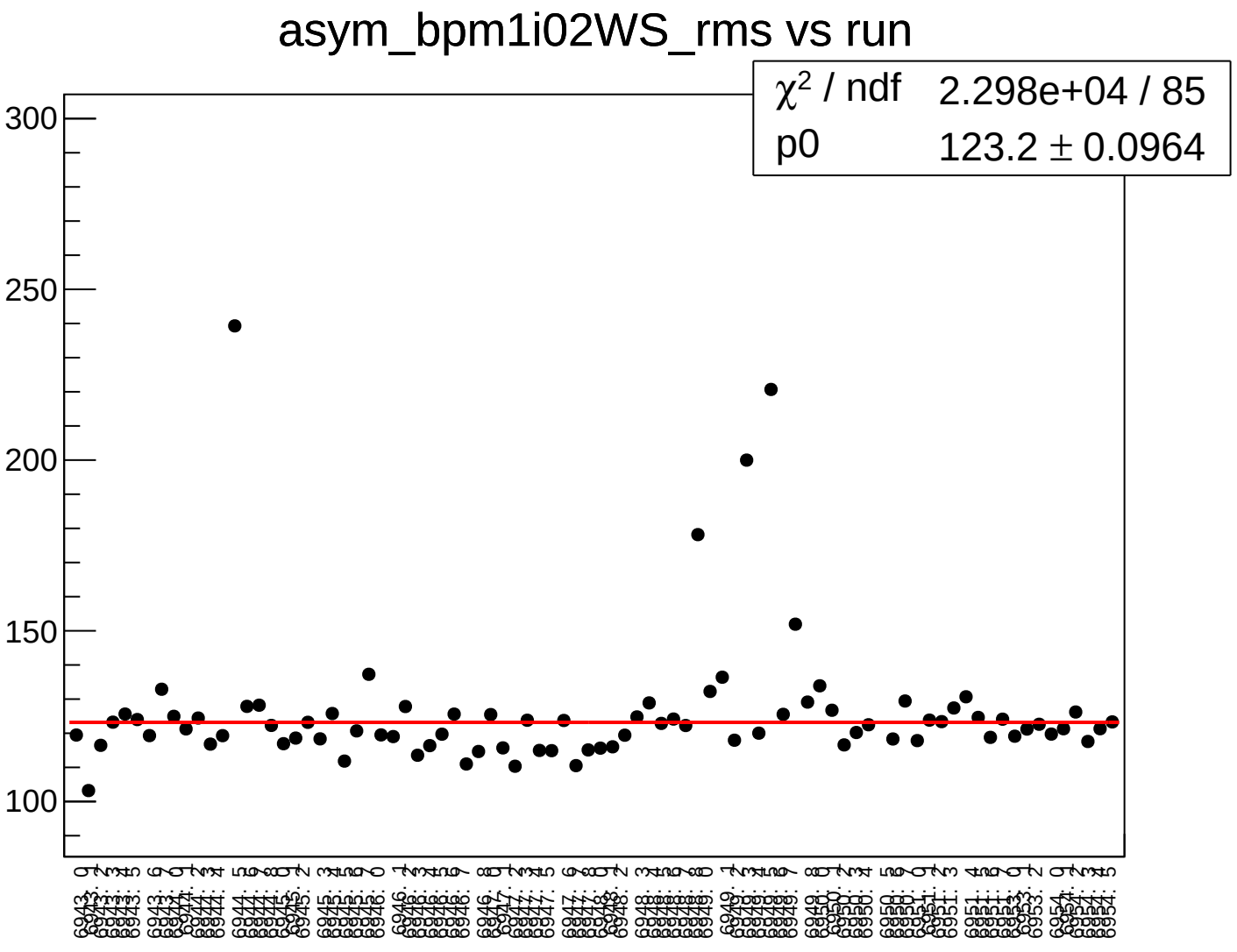

asym_bpm0i07WS_mean vs run
χ² / ndf 136.4 / 85
p0 −2973 ± 277.4
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 231
Std Dev 0
4
3
2
1
0
−1
−2

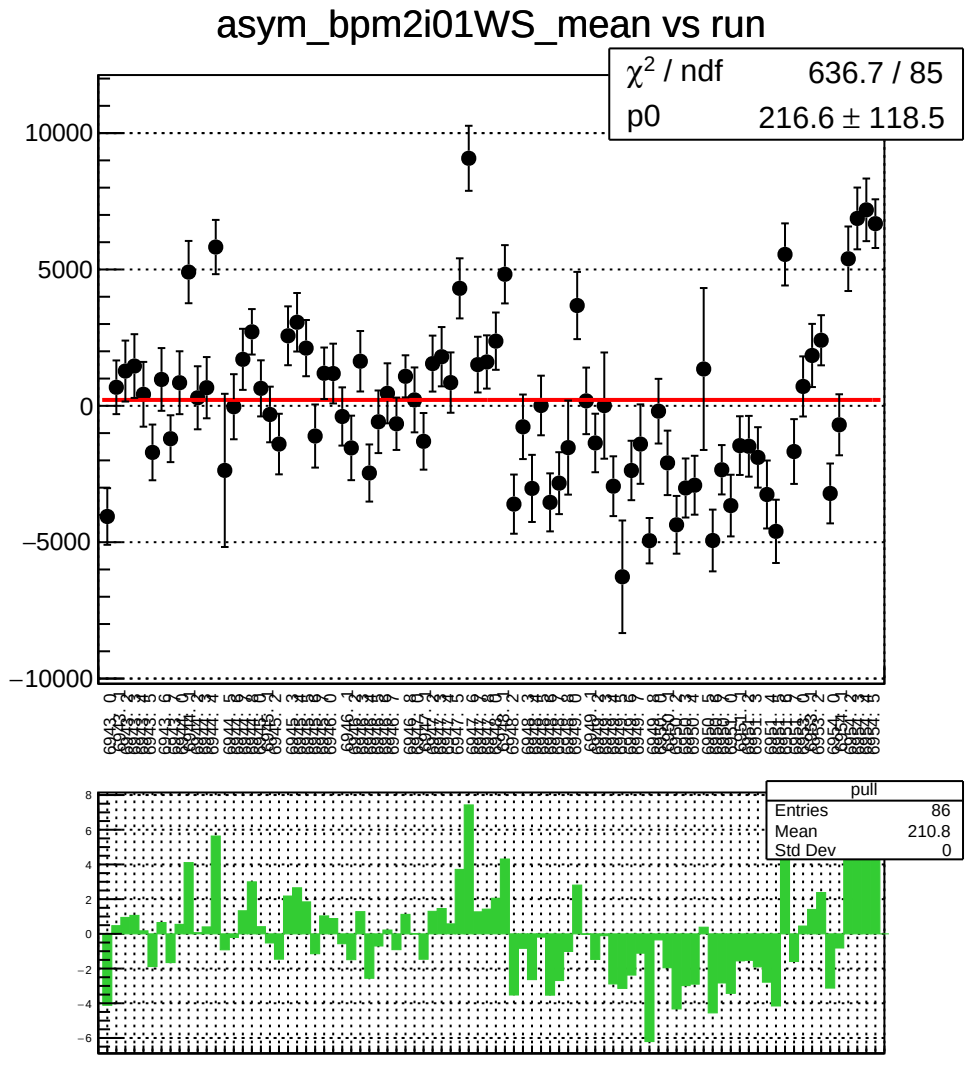

pull1D
Entries 86
Mean 0.08157
Std Dev 1.257
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

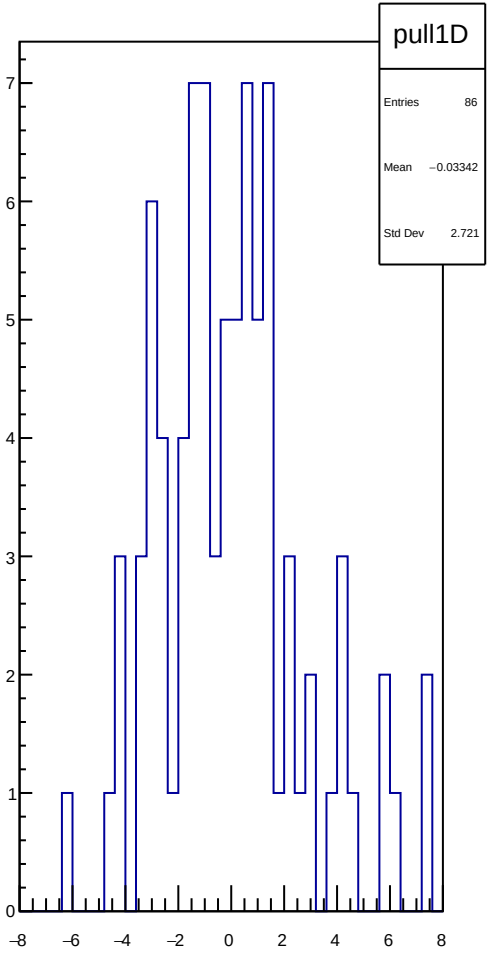

asym_bpm0i07WS_rms vs run
χ² / ndf 4.005e+04 / 85
p0 249.3 ± 0.1961
500
450
400
350
300
250
200

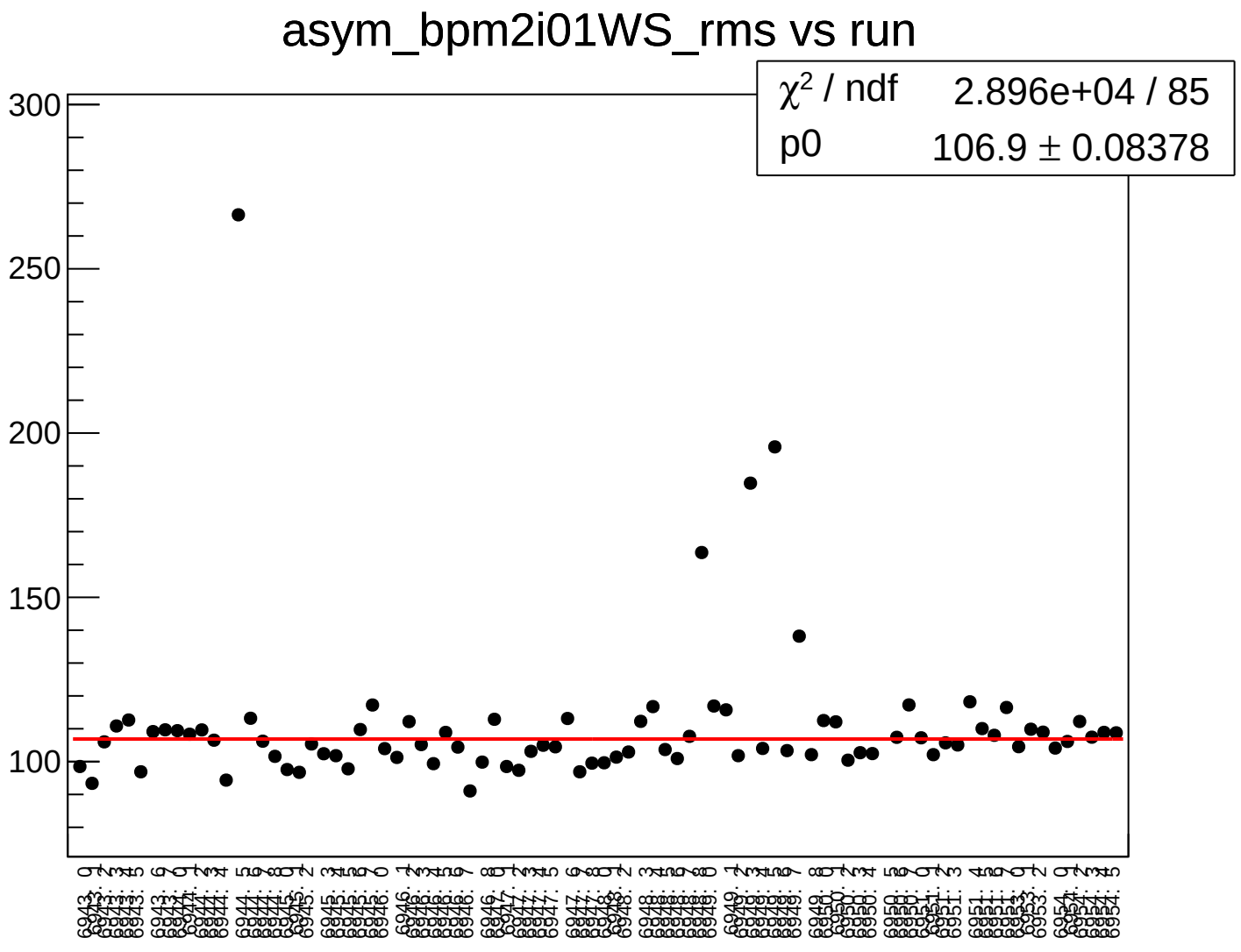

asym_bpm1i02WS_mean vs run
χ² / ndf 456.4 / 85
p0 74.51 ± 136.3
pull
Entries 86
Mean 222.3
Std Dev 0

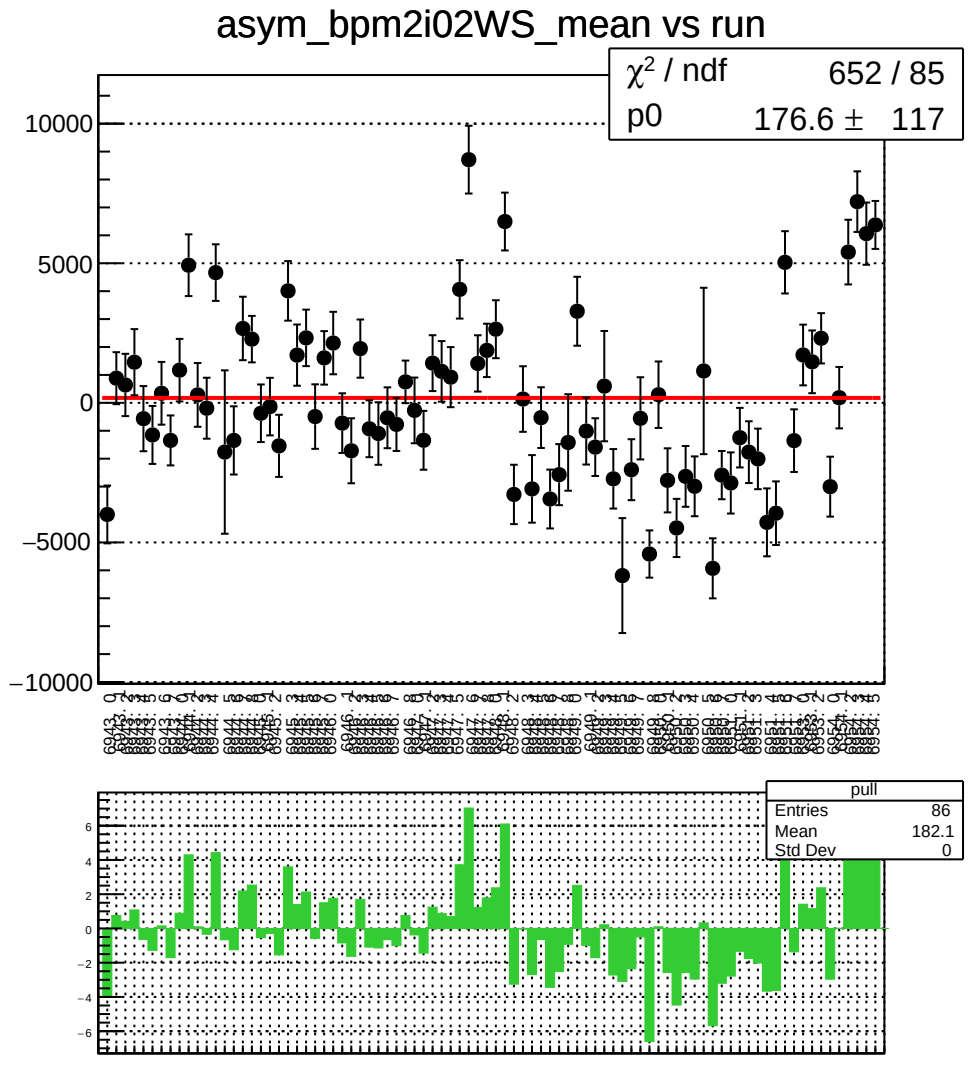

pull1D
Entries 86
Mean −0.02254
Std Dev 2.303

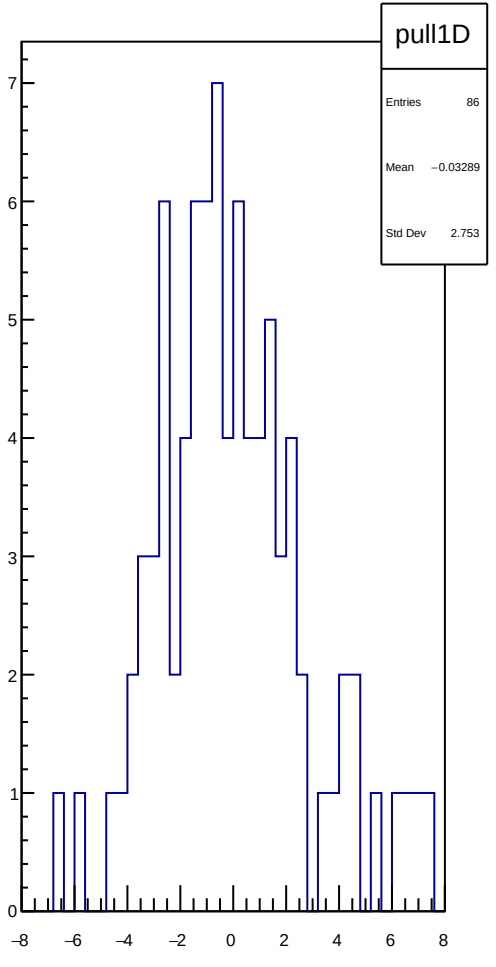

asym_bpm1i02WS_rms vs run
χ² / ndf 2.298e+04 / 85
p0 123.2 ± 0.0964
300
250
200
150
100

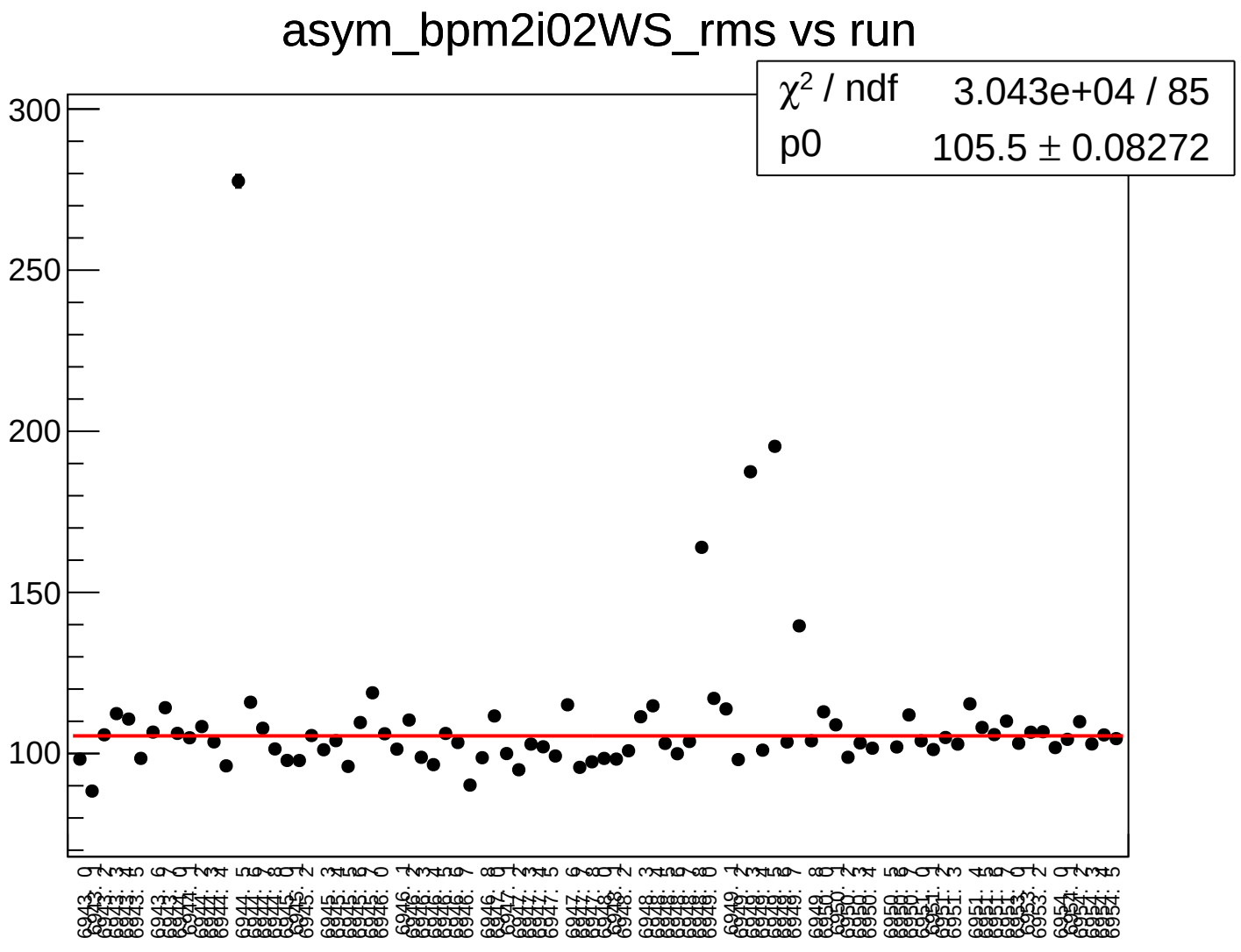

asym_bpm2i01WS_mean vs run
χ² / ndf 636.7 / 85
p0 216.6 ± 118.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 210.8
Std Dev 0
8
6
4
2
0
−2
−4
−6

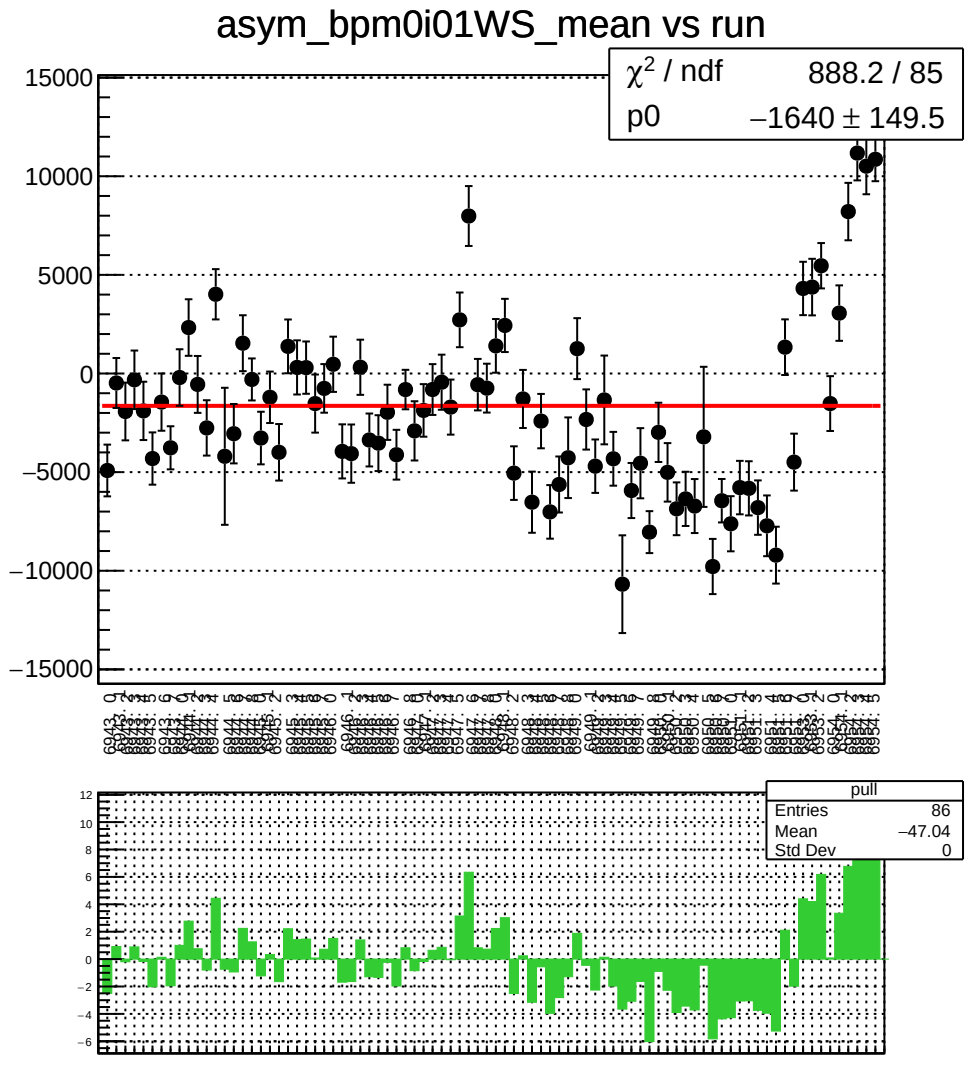

pull1D
Entries 86
Mean −0.03342
Std Dev 2.721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

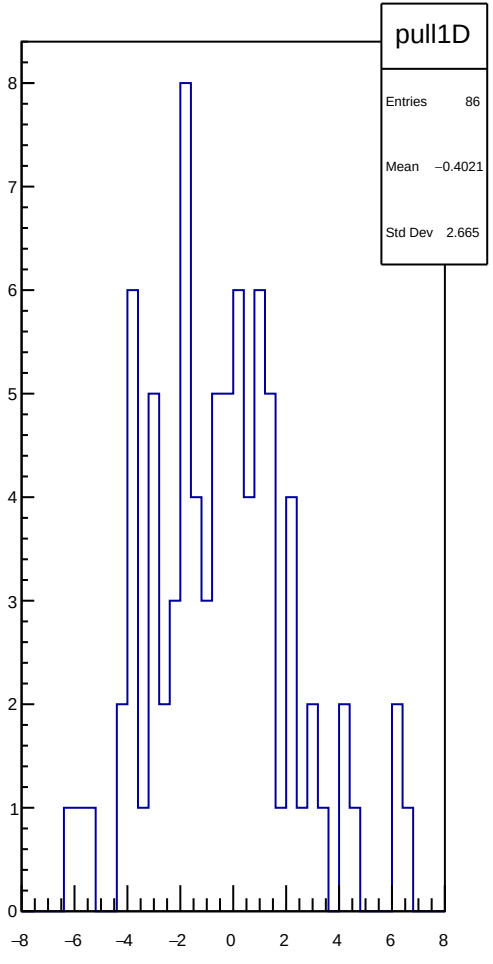

asym_bpm2i01WS_rms vs run
χ² / ndf 2.896e+04 / 85
p0 106.9 ± 0.08378
300
250
200
150
100

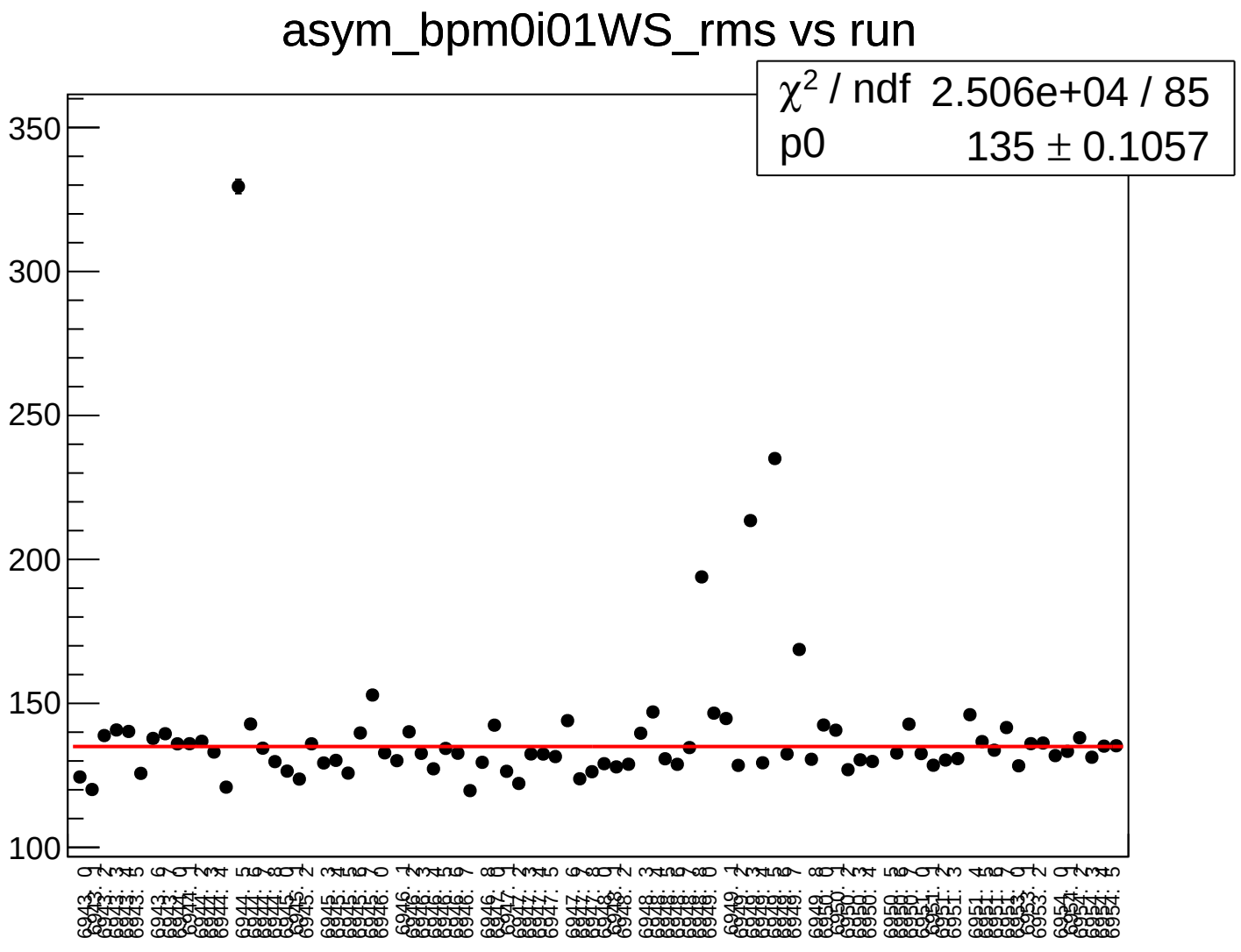

asym_bpm2i02WS_mean vs run
χ² / ndf 652 / 85
p0 176.6 ± 117
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 182.1
Std Dev 0
6
4
2
0
−2
−4
−6

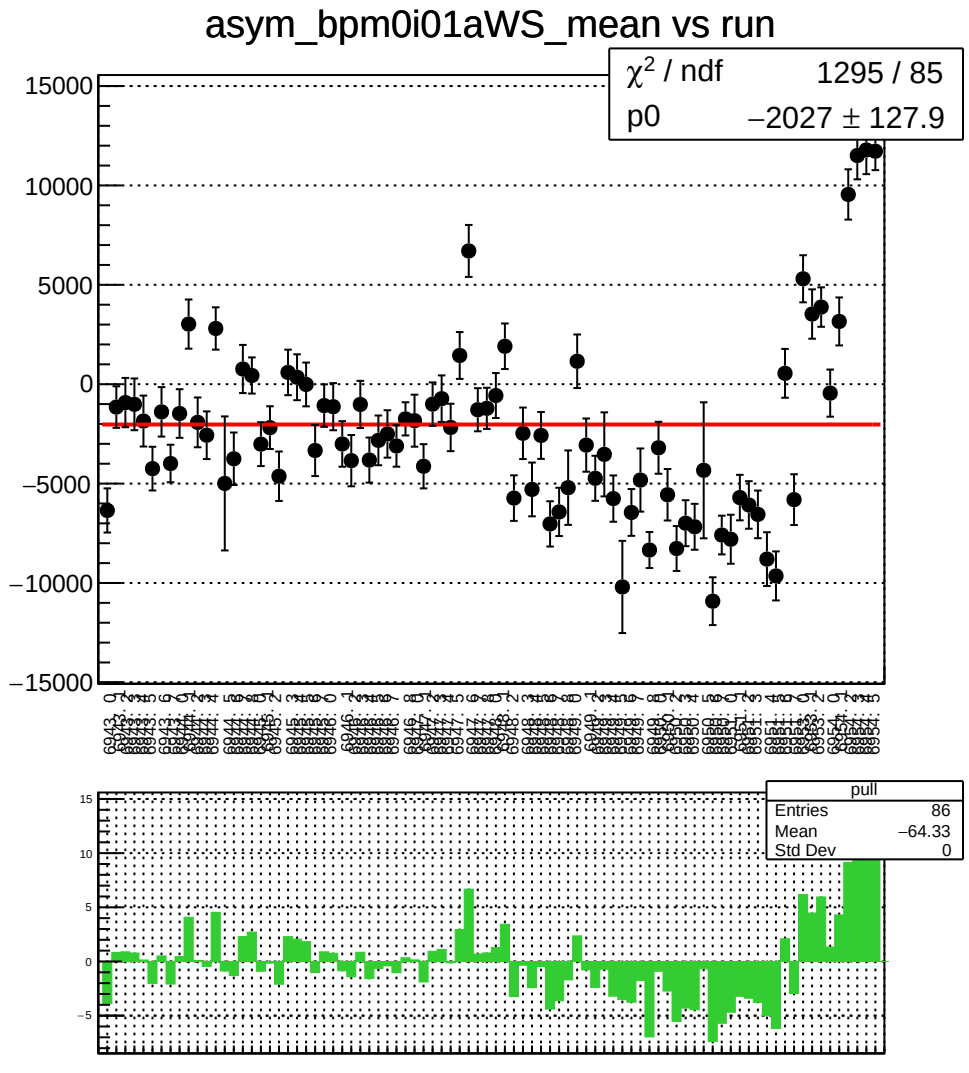

pull1D
Entries 86
Mean −0.03289
Std Dev 2.753
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

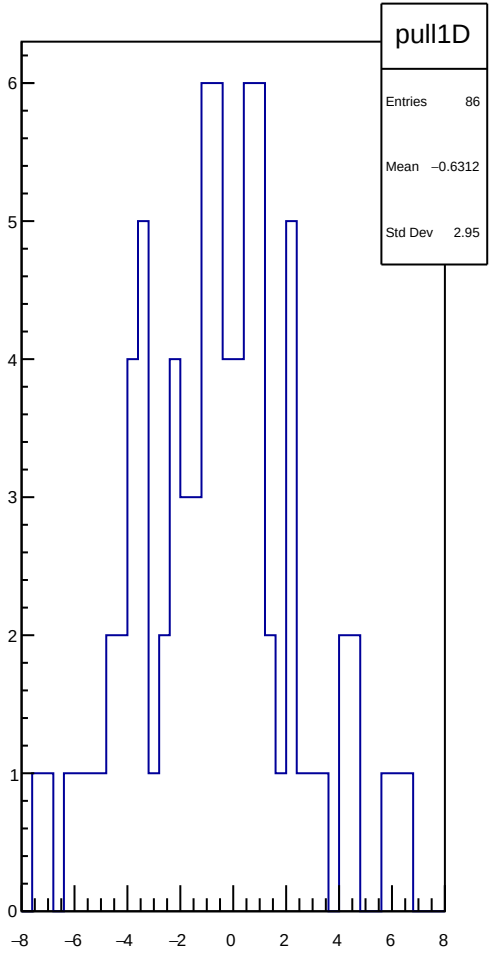

asym_bpm2i02WS_rms vs run
χ² / ndf 3.043e+04 / 85
p0 105.5 ± 0.08272
300
250
200
150
100

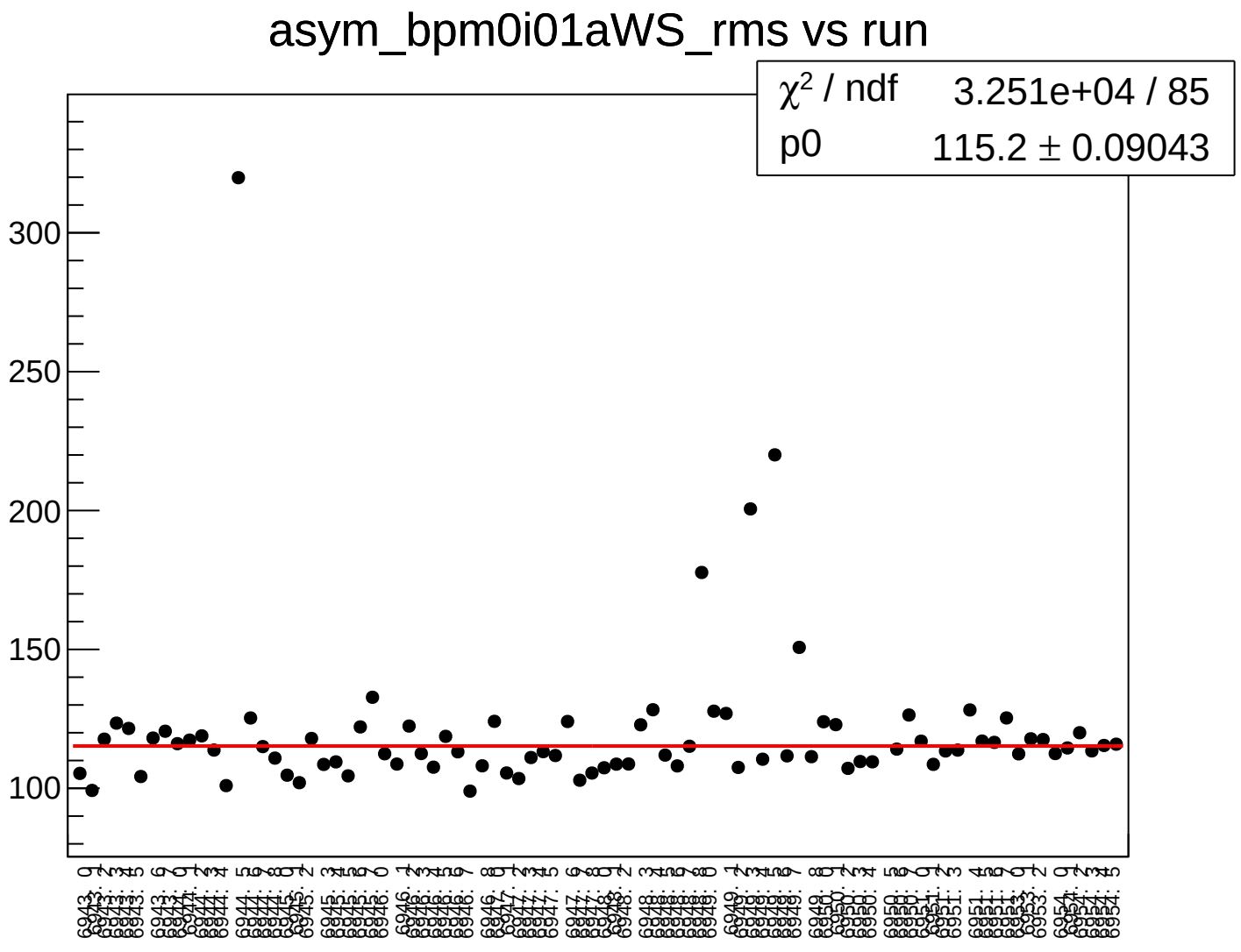

asym_bpm0i01WS_mean vs run
χ² / ndf 888.2 / 85
p0 −1640 ± 149.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −47.04
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6

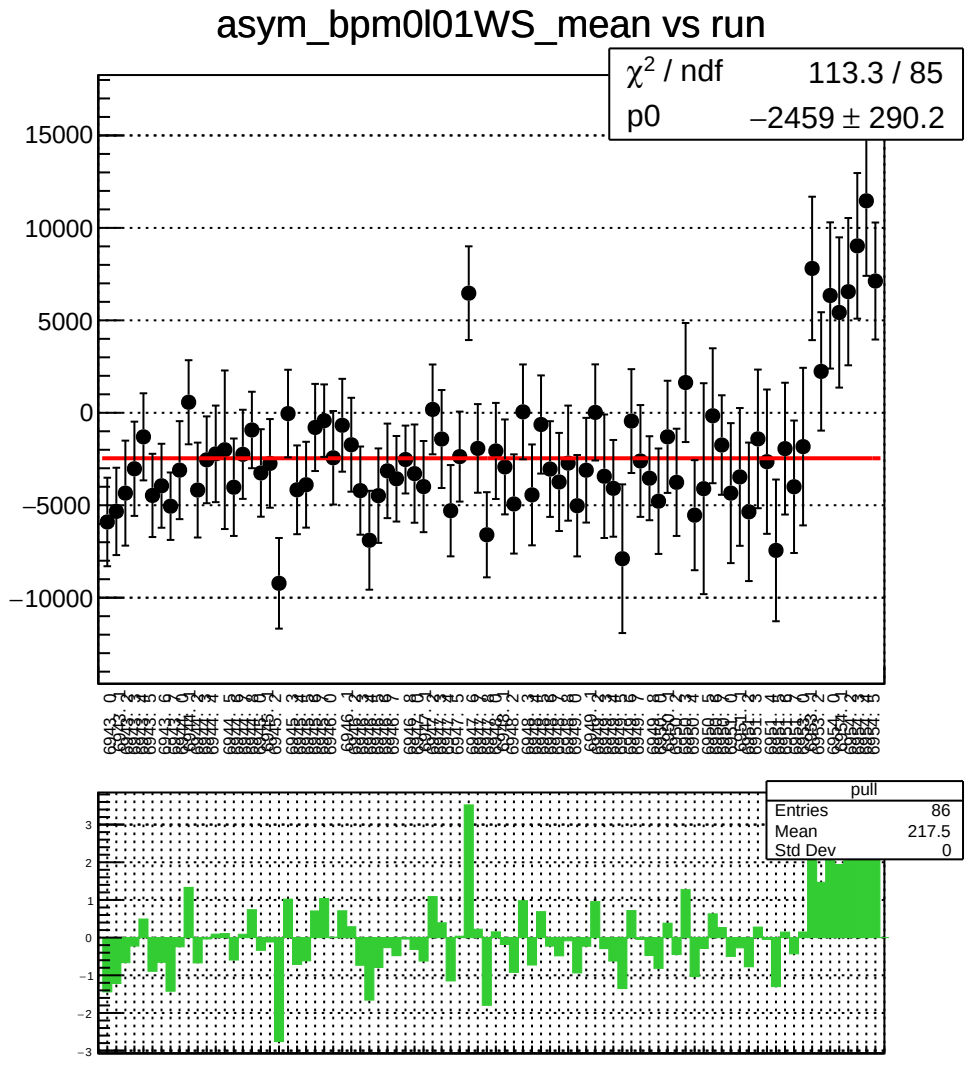

pull1D
Entries 86
Mean −0.4021
Std Dev 2.665
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

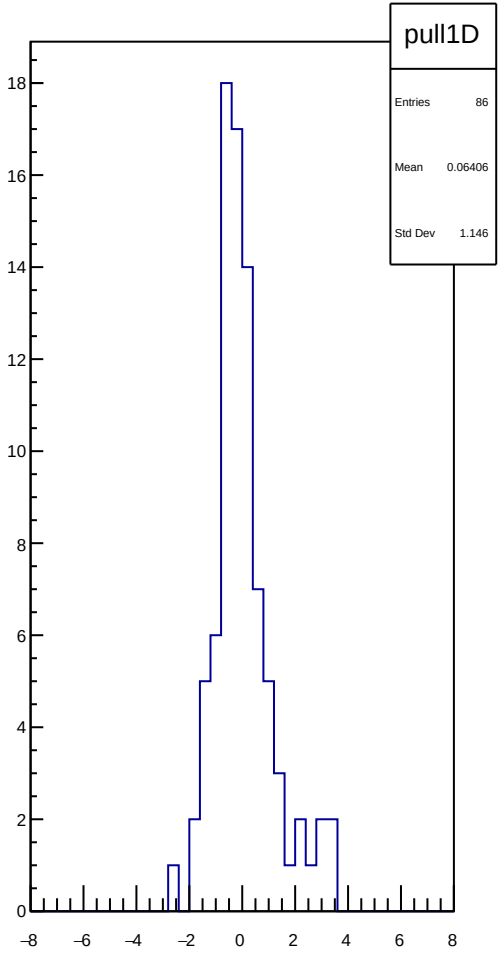

asym_bpm0i01WS_rms vs run
χ^2 / ndf 2.506e+04 / 85
p0 135 ± 0.1057
350
300
250
200
150
100

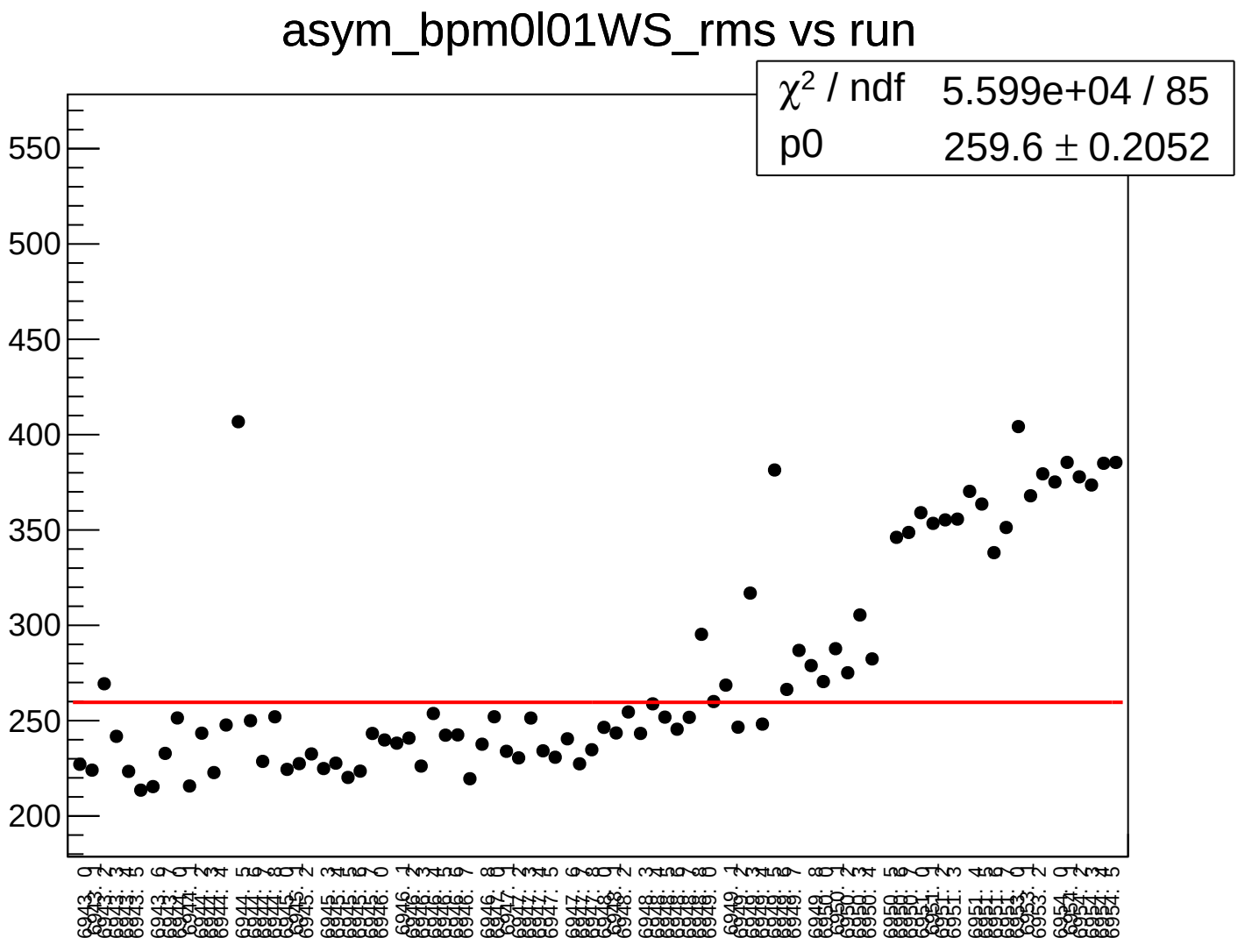

asym_bpm0i01aWS_mean vs run
χ² / ndf 1295 / 85
p0 −2027 ± 127.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −64.33
Std Dev 0
15
10
5
0
−5

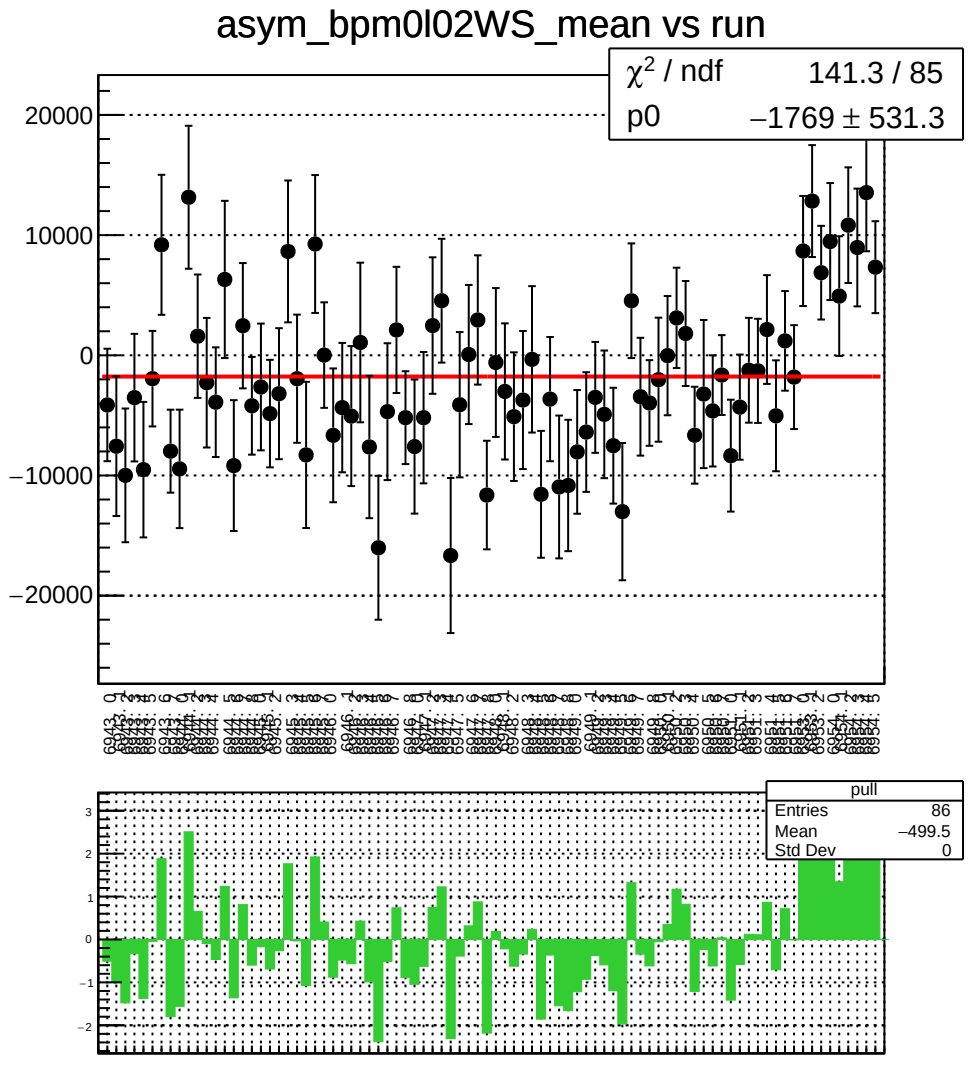

pull1D
Entries 86
Mean −0.6312
Std Dev 2.95
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

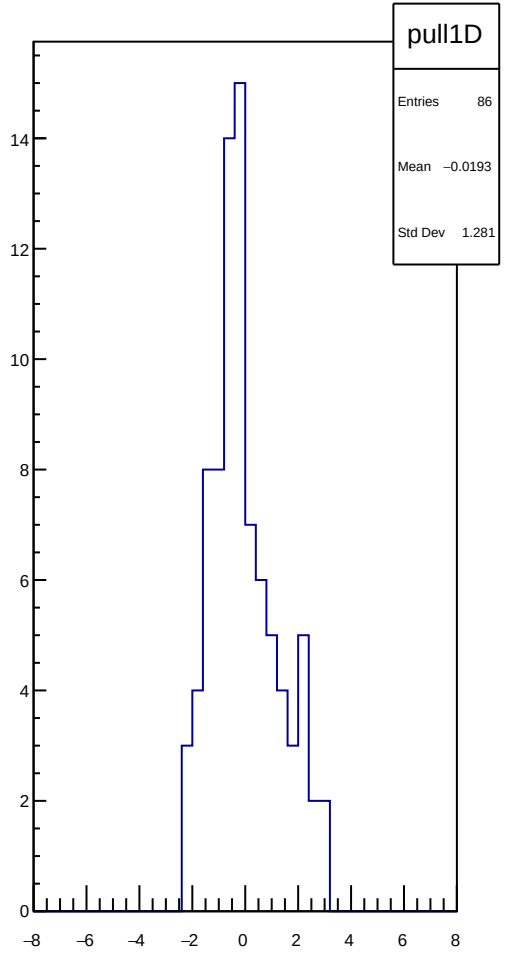

asym_bpm0i01aWS_rms vs run
χ² / ndf 3.251e+04 / 85
p0 115.2 ± 0.09043
300
250
200
150
100

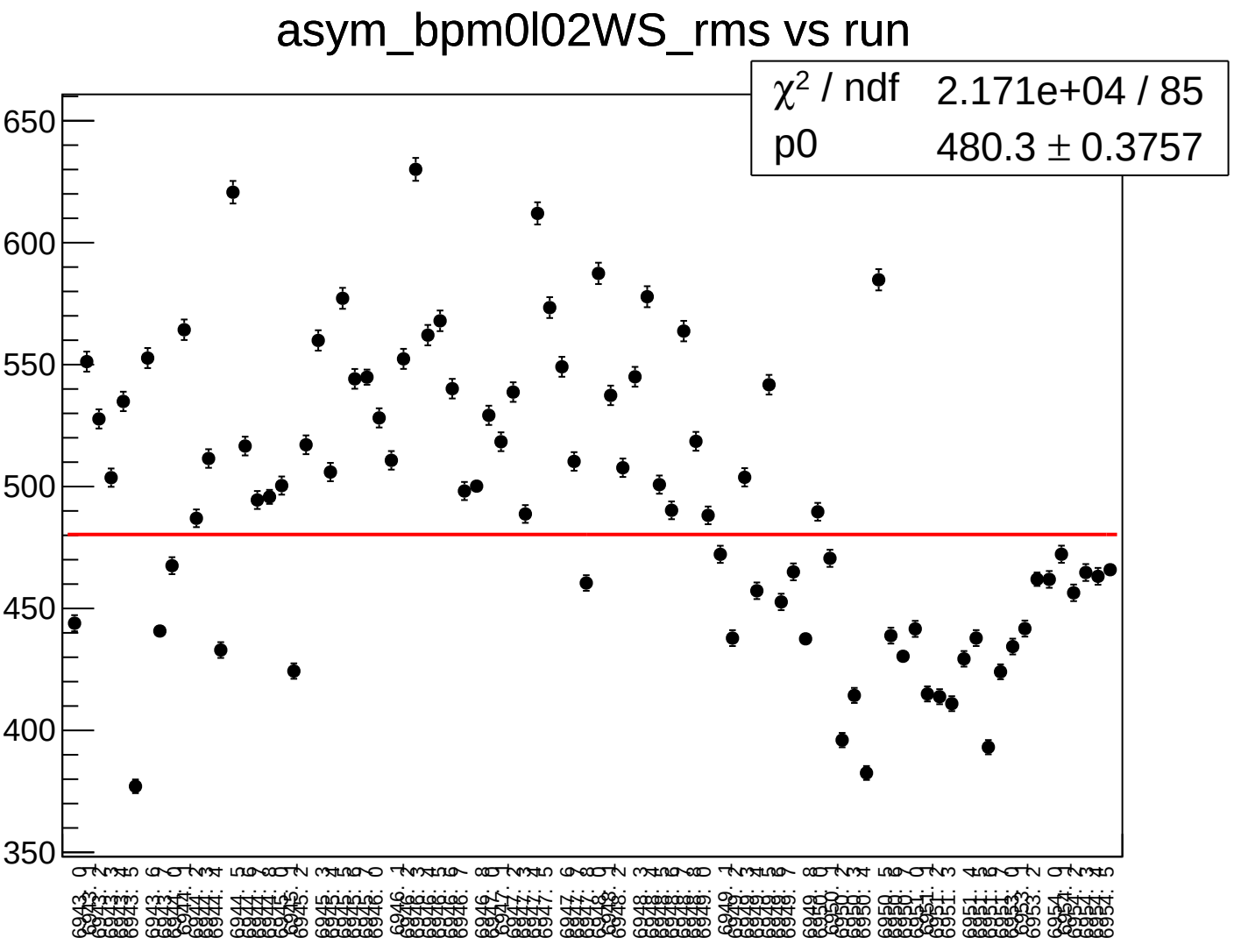

asym_bpm0l01WS_mean vs run
χ² / ndf 113.3 / 85
p0 −2459 ± 290.2
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 217.5
Std Dev 0
3
2
1
0
−1
−2
−3

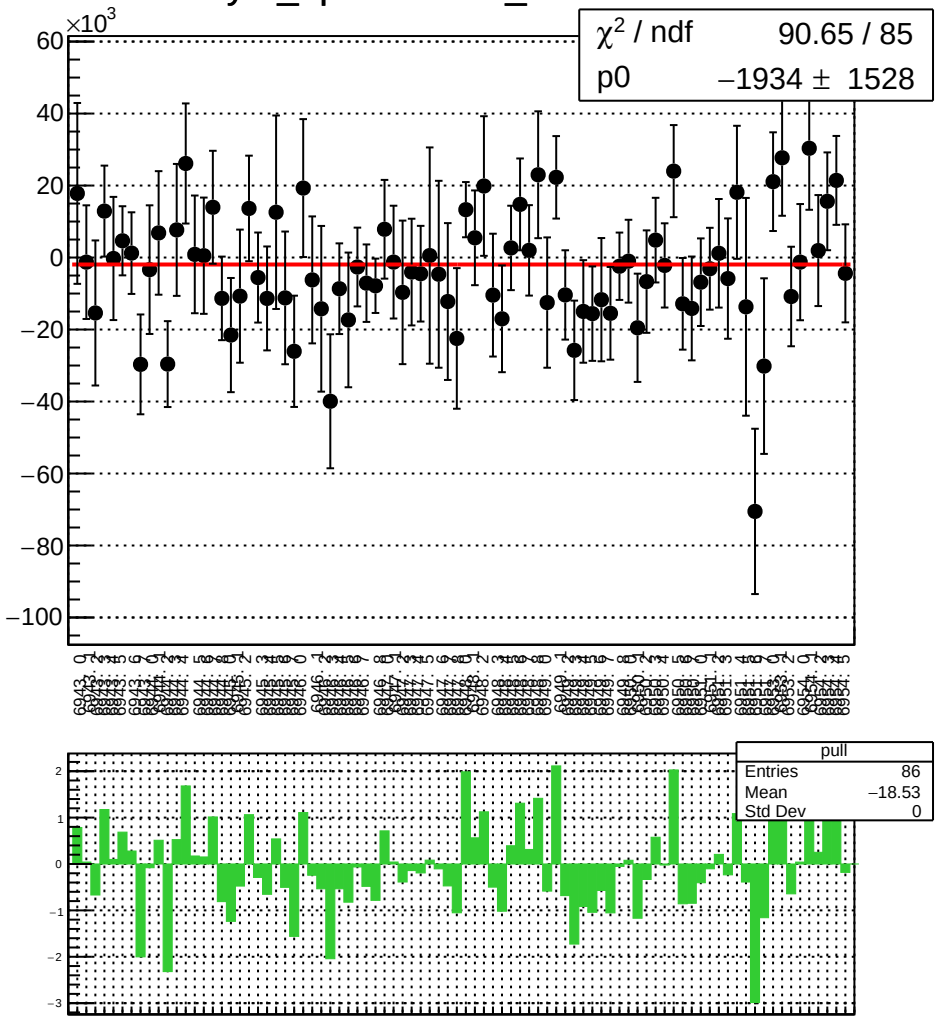

pull1D
Entries 86
Mean 0.06406
Std Dev 1.146
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

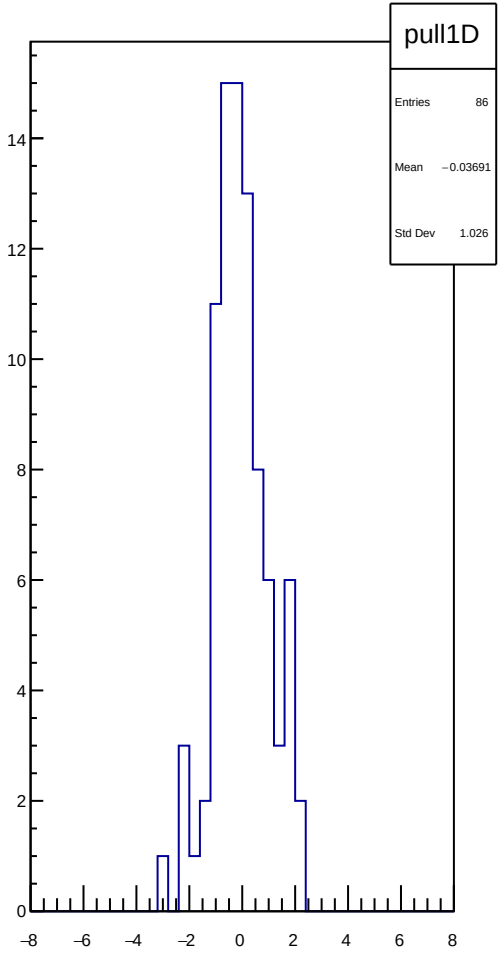

asym_bpm0l01WS_rms vs run
χ² / ndf 5.599e+04 / 85
p0 259.6 ± 0.2052
550
500
450
400
350
300
250
200

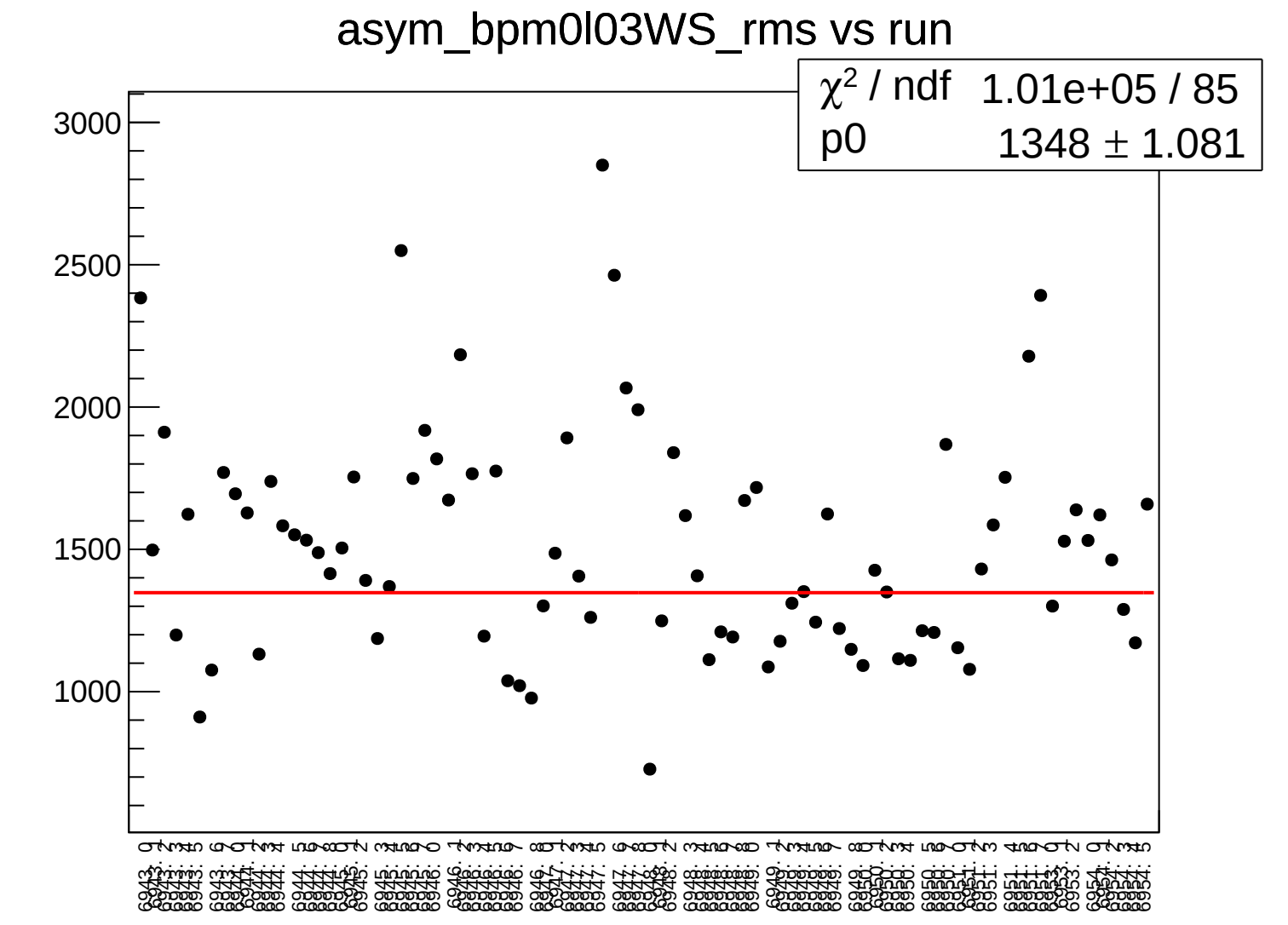

asym_bpm0l02WS_mean vs run
χ² / ndf 141.3 / 85
p0 −1769 ± 531.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −499.5
Std Dev 0
3
2
1
0
−1
−2

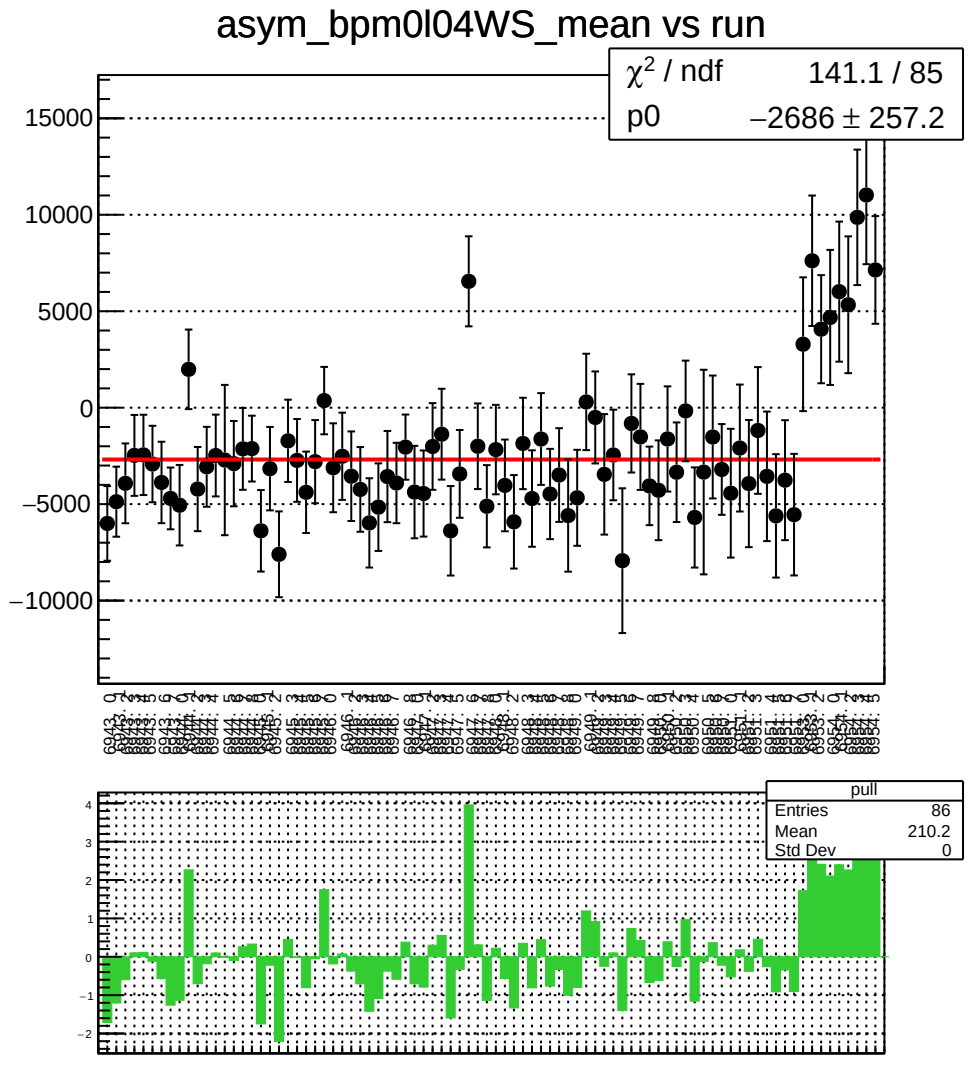

pull1D
Entries 86
Mean −0.0193
Std Dev 1.281
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

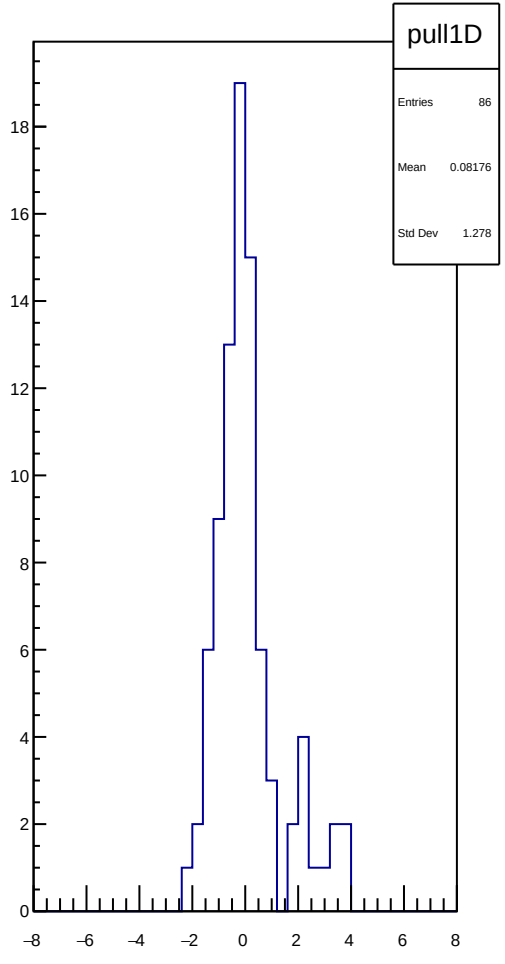

asym_bpm0l02WS_rms vs run
χ² / ndf 2.171e+04 / 85
p0 480.3 ± 0.3757
650
600
550
500
450
400
350

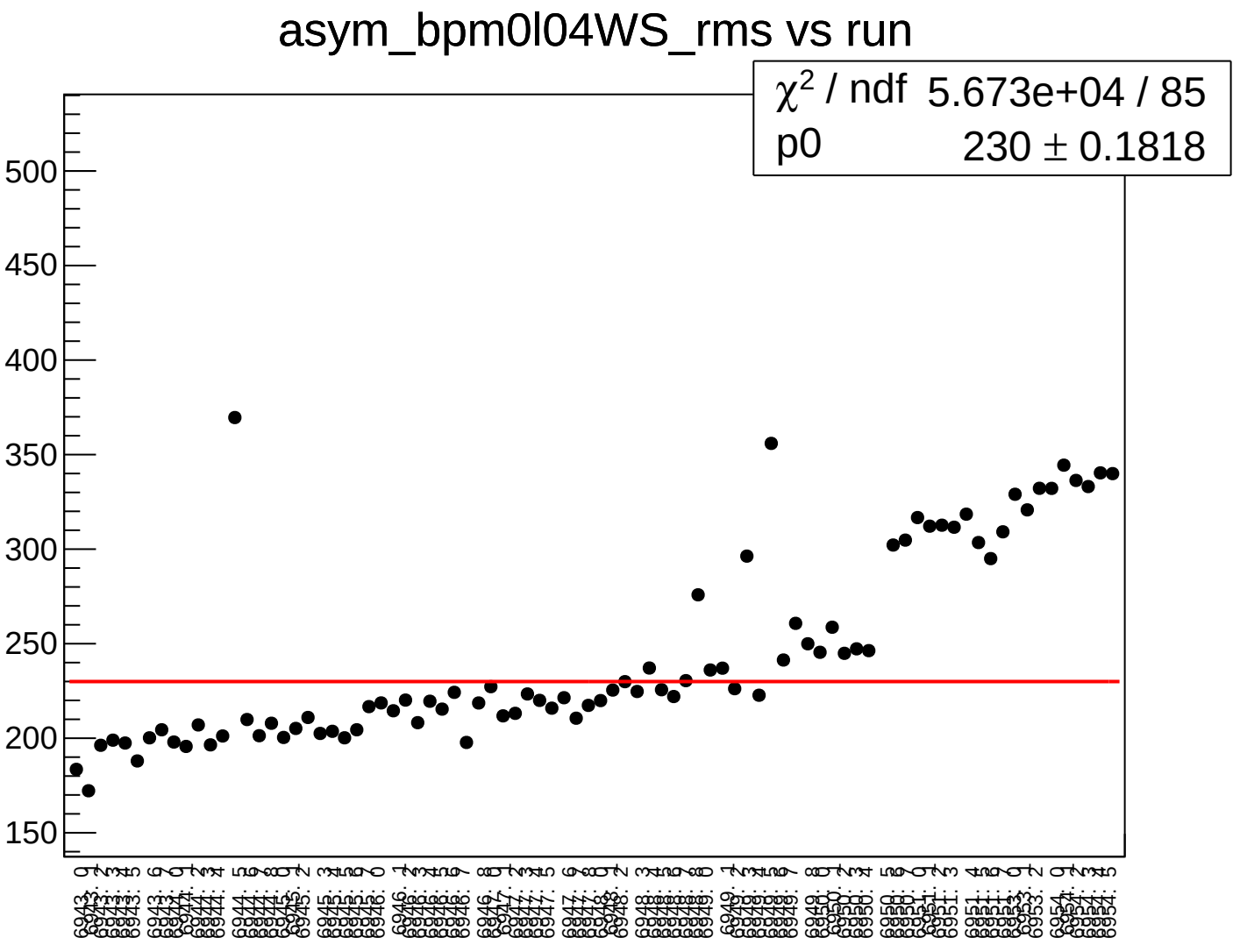

asym_bpm0l03WS_mean vs run
×10^3
χ² / ndf 90.65 / 85
p0 −1934 ± 1528
pull
Entries 86
Mean −18.53
Std Dev 0

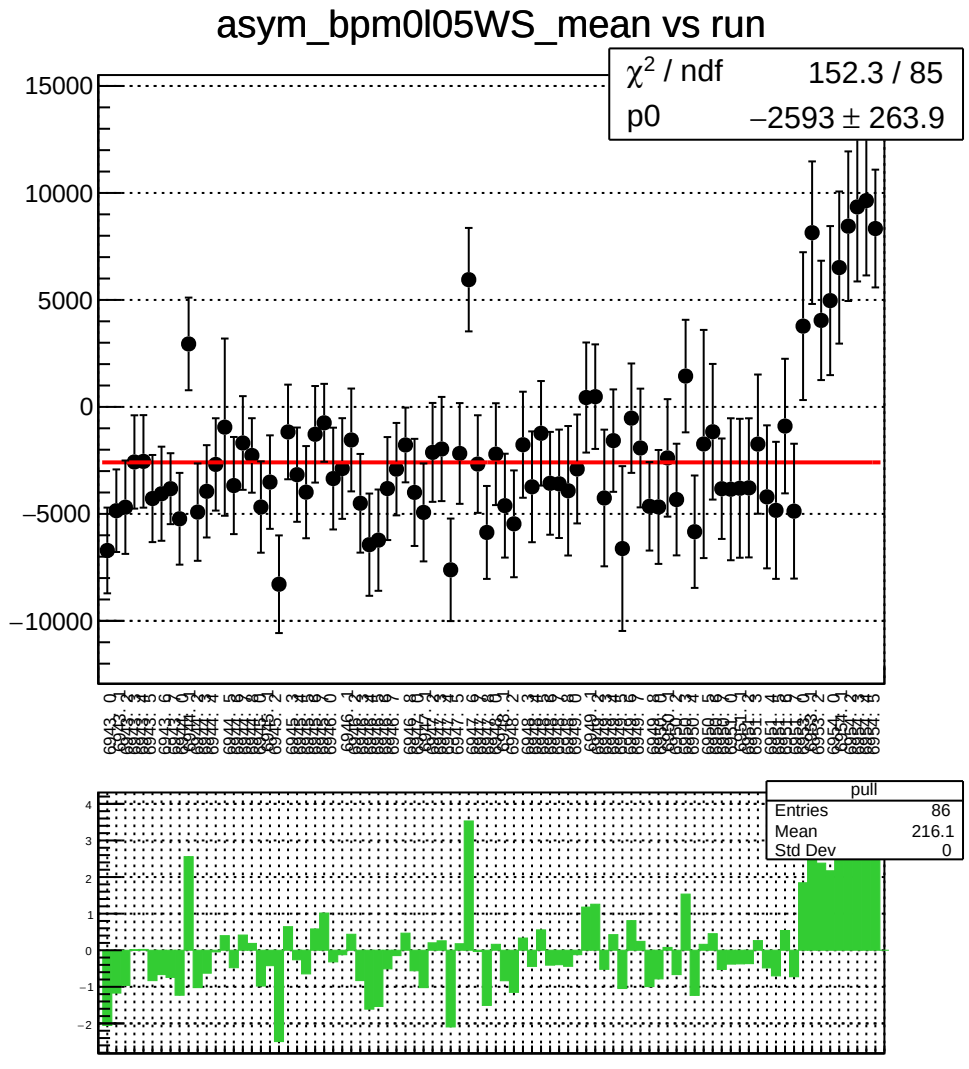

pull1D
Entries 86
Mean −0.03691
Std Dev 1.026

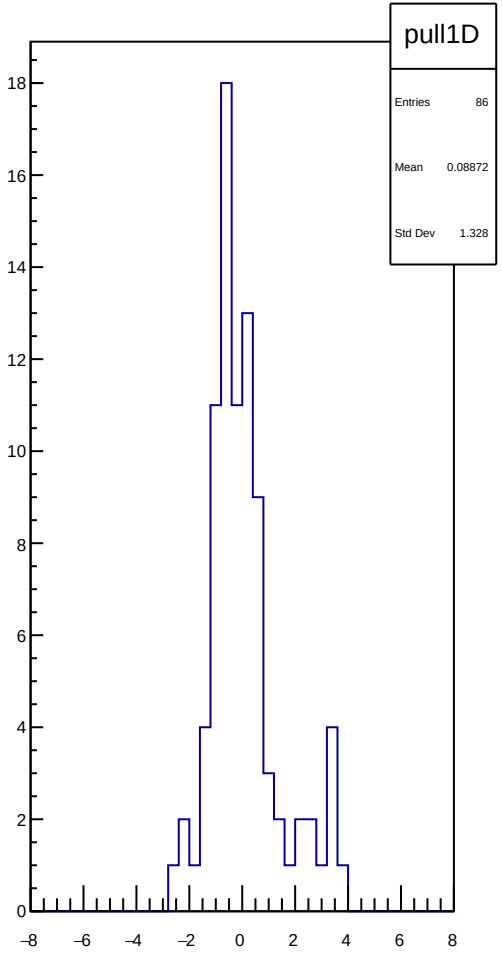

asym_bpm0l03WS_rms vs run
χ² / ndf 1.01e+05 / 85
p0 1348 ± 1.081
3000
2500
2000
1500
1000

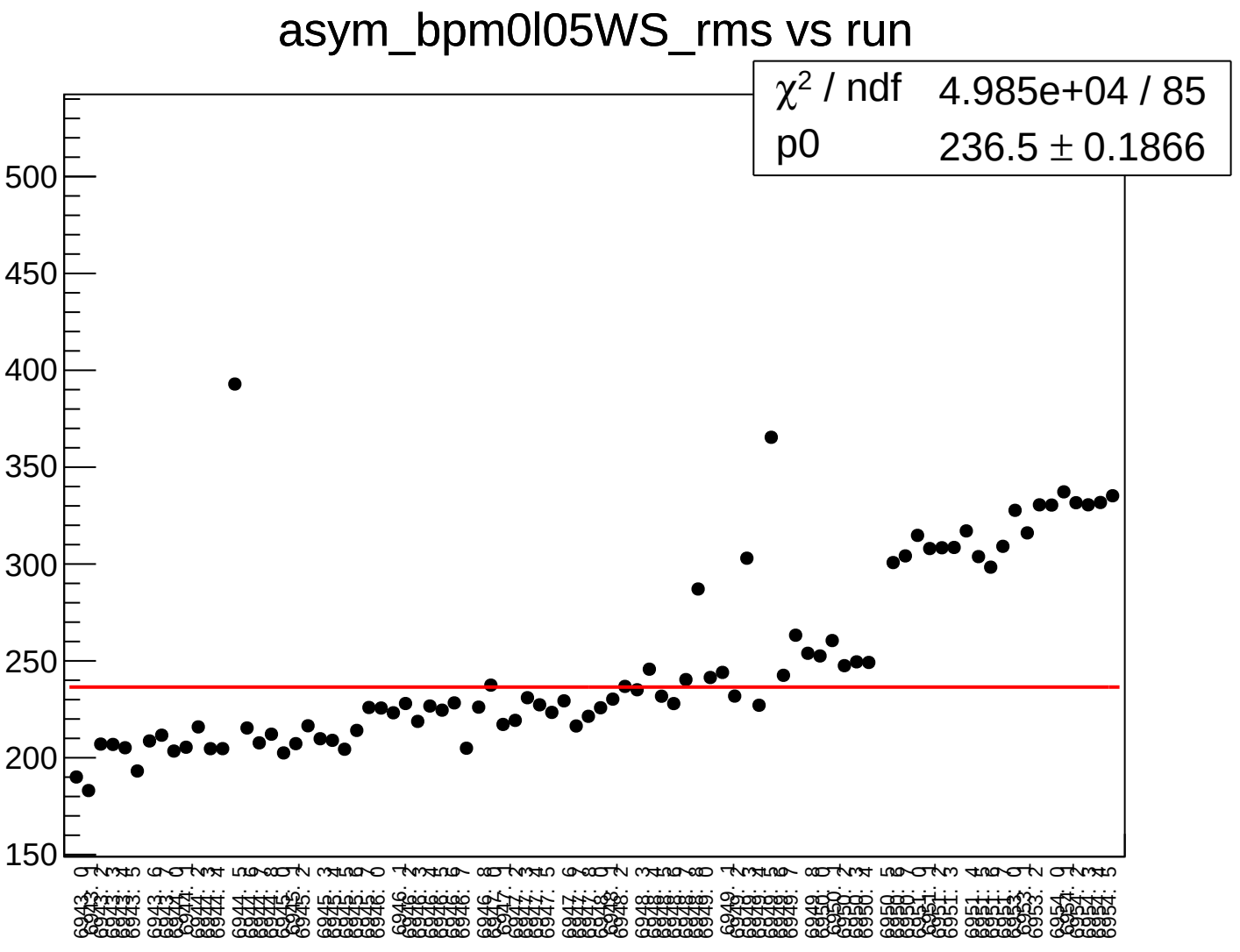

asym_bpm0l04WS_mean vs run
χ² / ndf 141.1 / 85
p0 −2686 ± 257.2
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 210.2
Std Dev 0
4
3
2
1
0
−1
−2

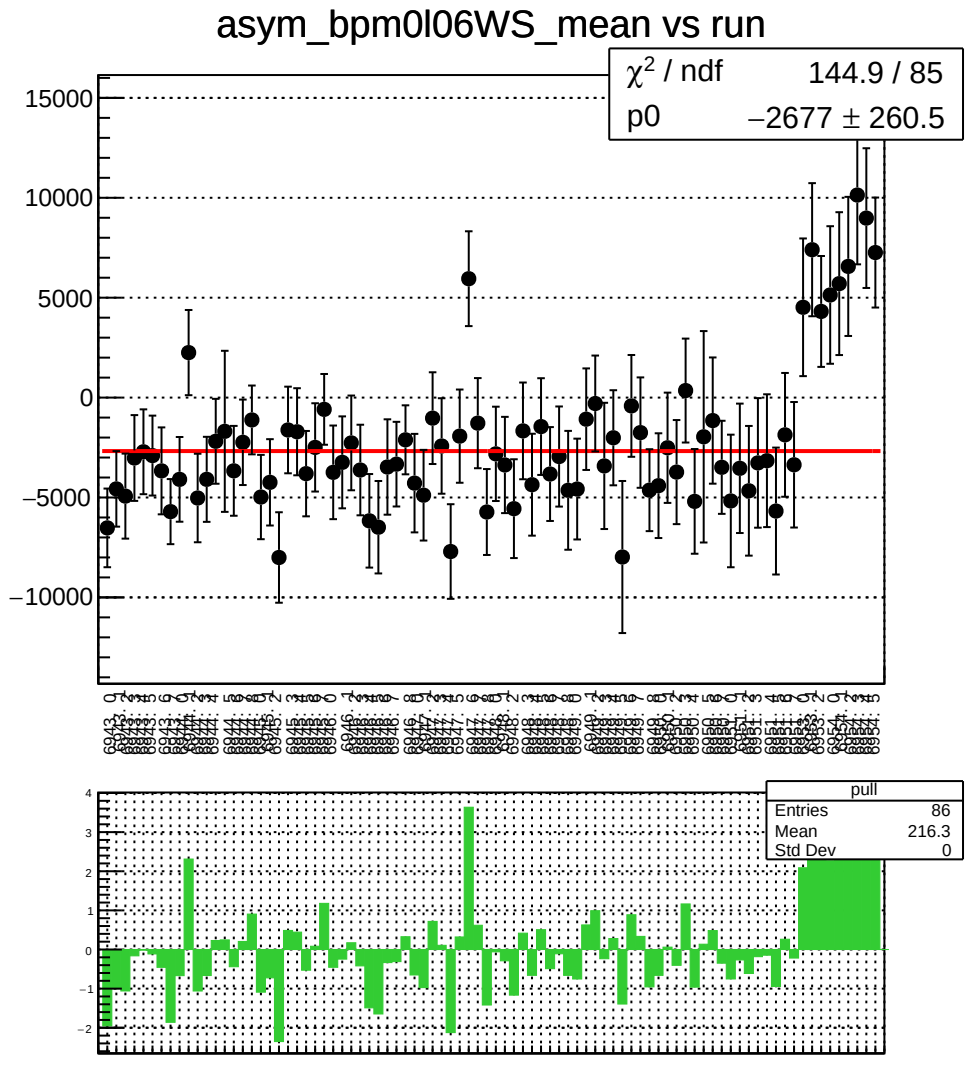

pull1D
Entries 86
Mean 0.08176
Std Dev 1.278
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

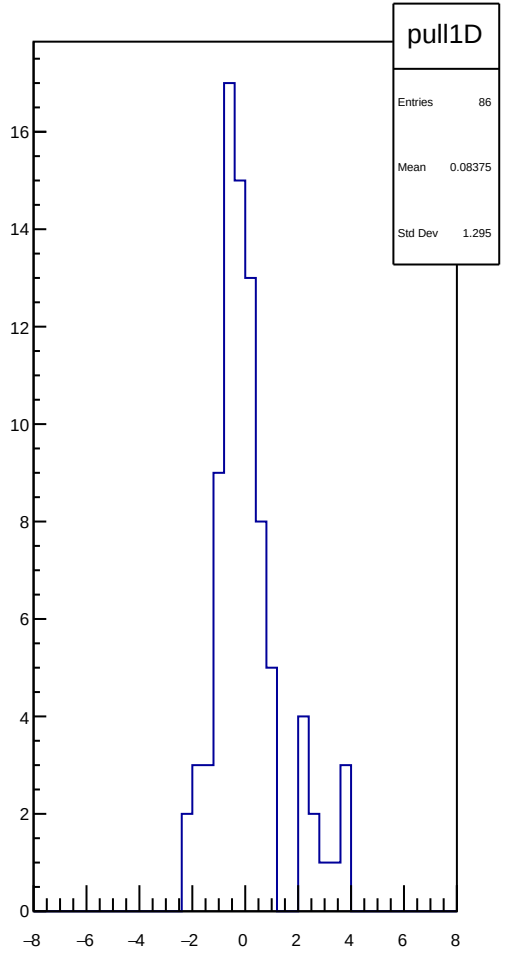

asym_bpm0l04WS_rms vs run
χ² / ndf 5.673e+04 / 85
p0 230 ± 0.1818
500
450
400
350
300
250
200
150

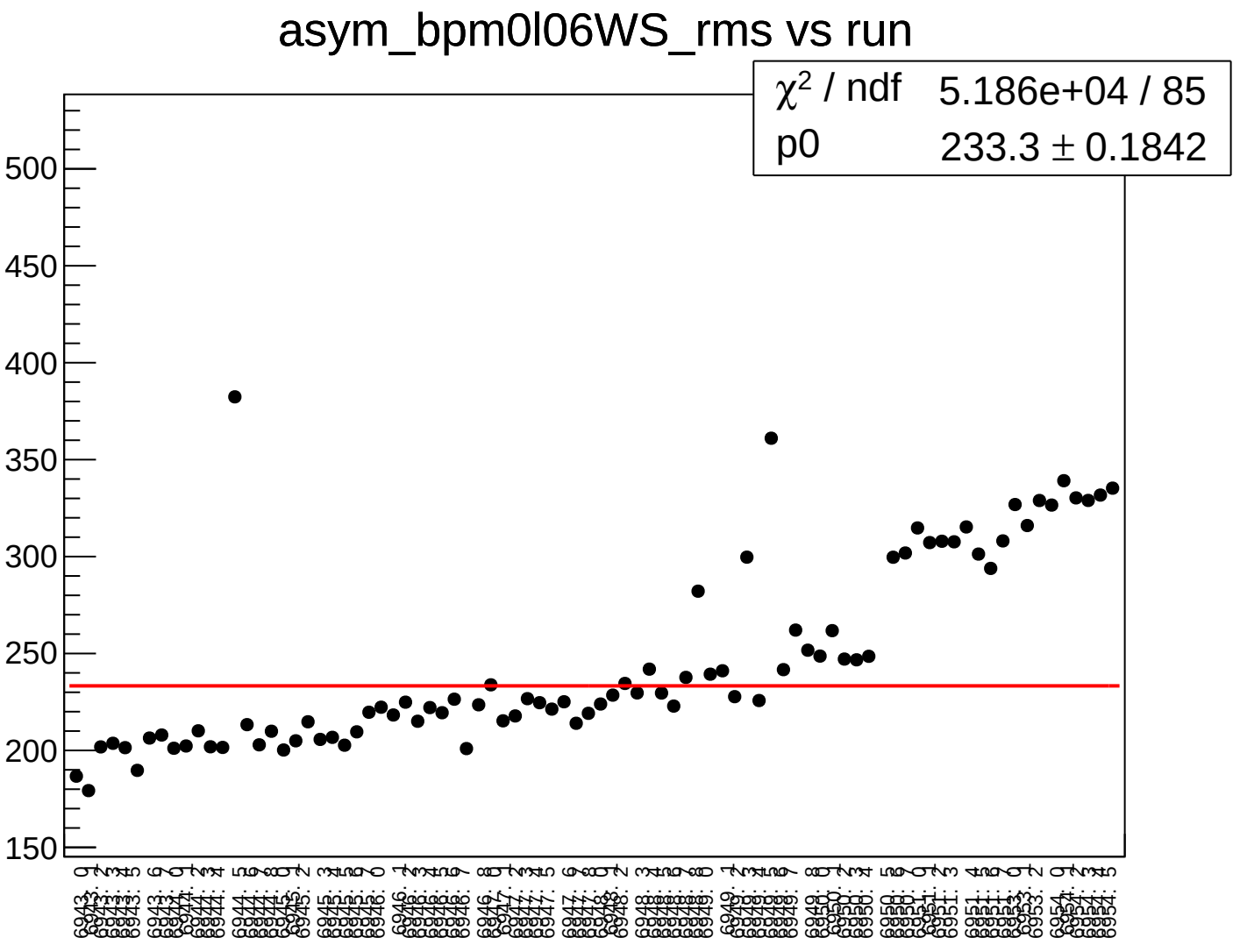

asym_bpm0l05WS_mean vs run
χ² / ndf 152.3 / 85
p0 −2593 ± 263.9
pull
Entries 86
Mean 216.1
Std Dev 0

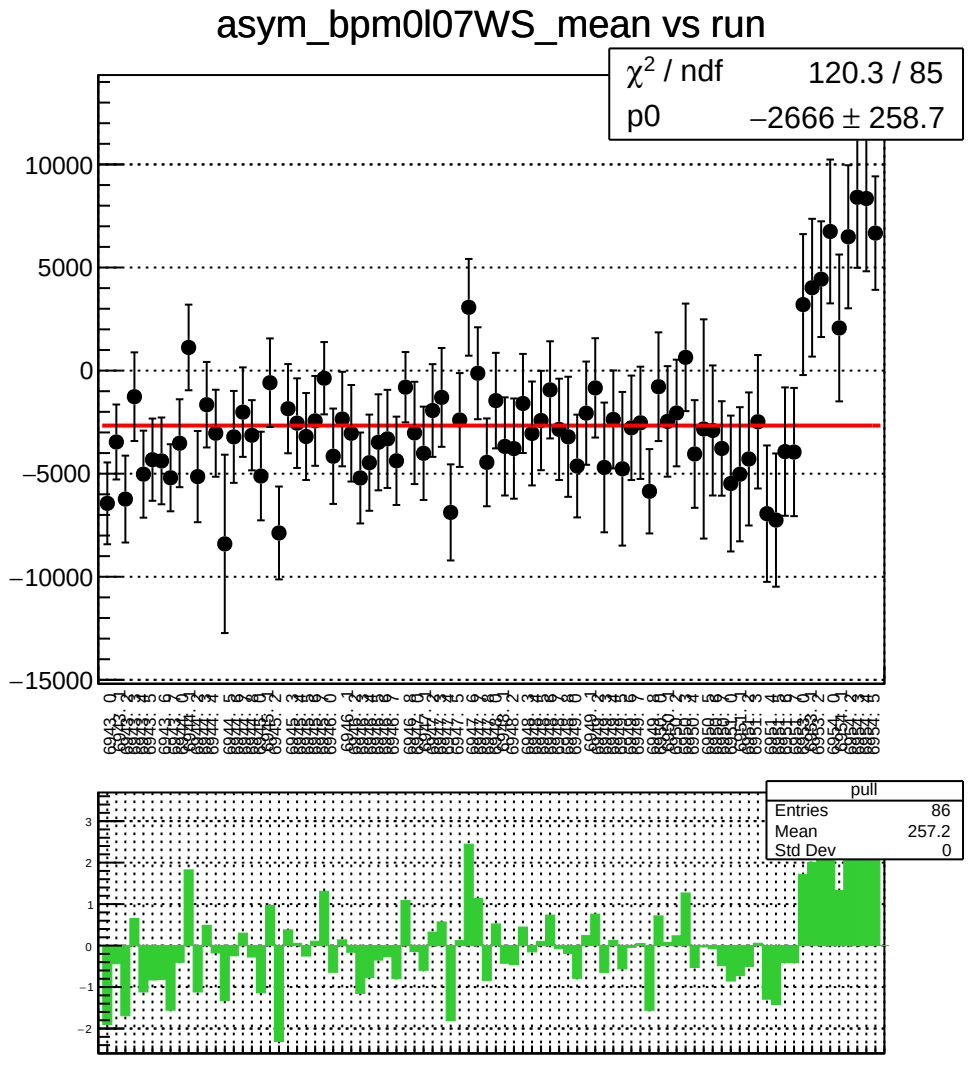

pull1D
Entries 86
Mean 0.08872
Std Dev 1.328

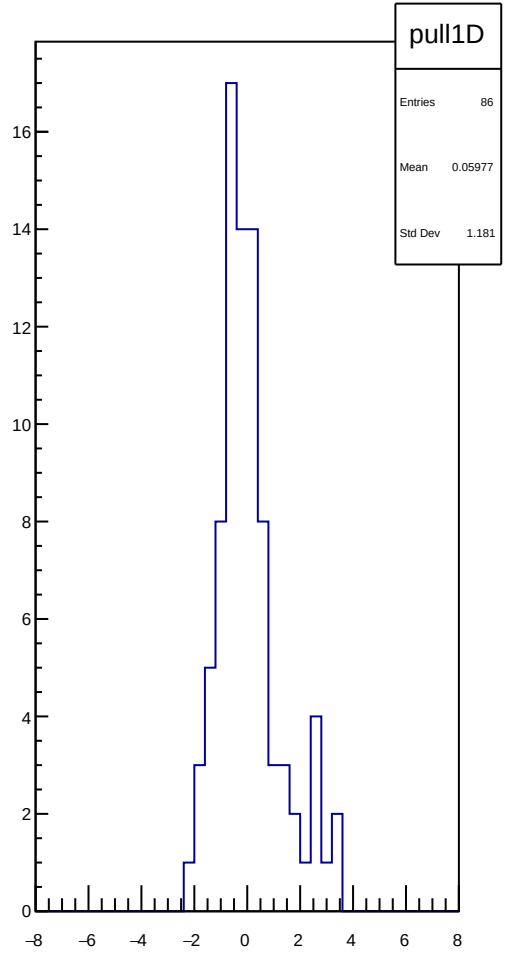

asym_bpm0l05WS_rms vs run
χ² / ndf 4.985e+04 / 85
p0 236.5 ± 0.1866
500
450
400
350
300
250
200
150

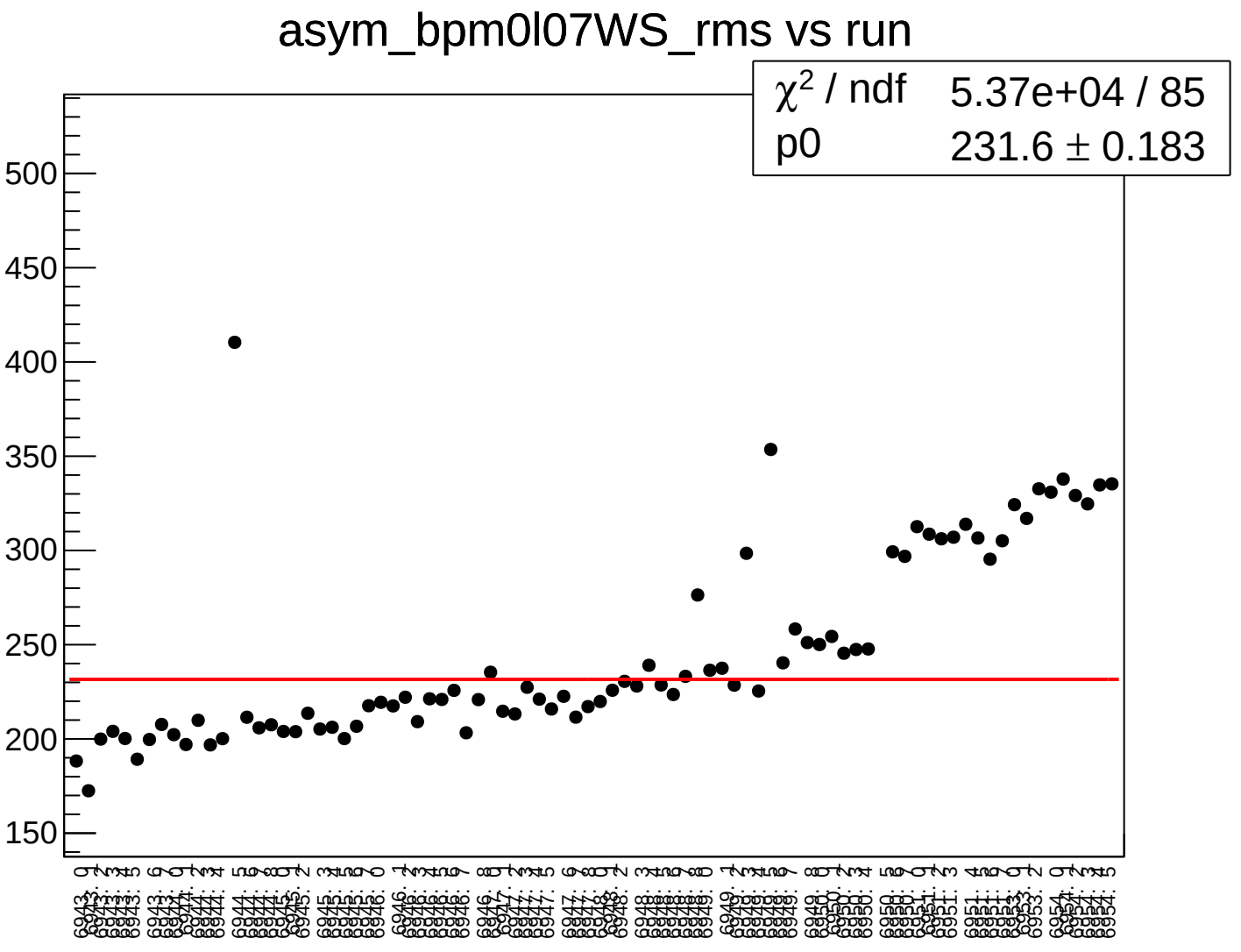

asym_bpm0l06WS_mean vs run
χ² / ndf 144.9 / 85
p0 −2677 ± 260.5
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 216.3
Std Dev 0
4
3
2
1
0
−1
−2

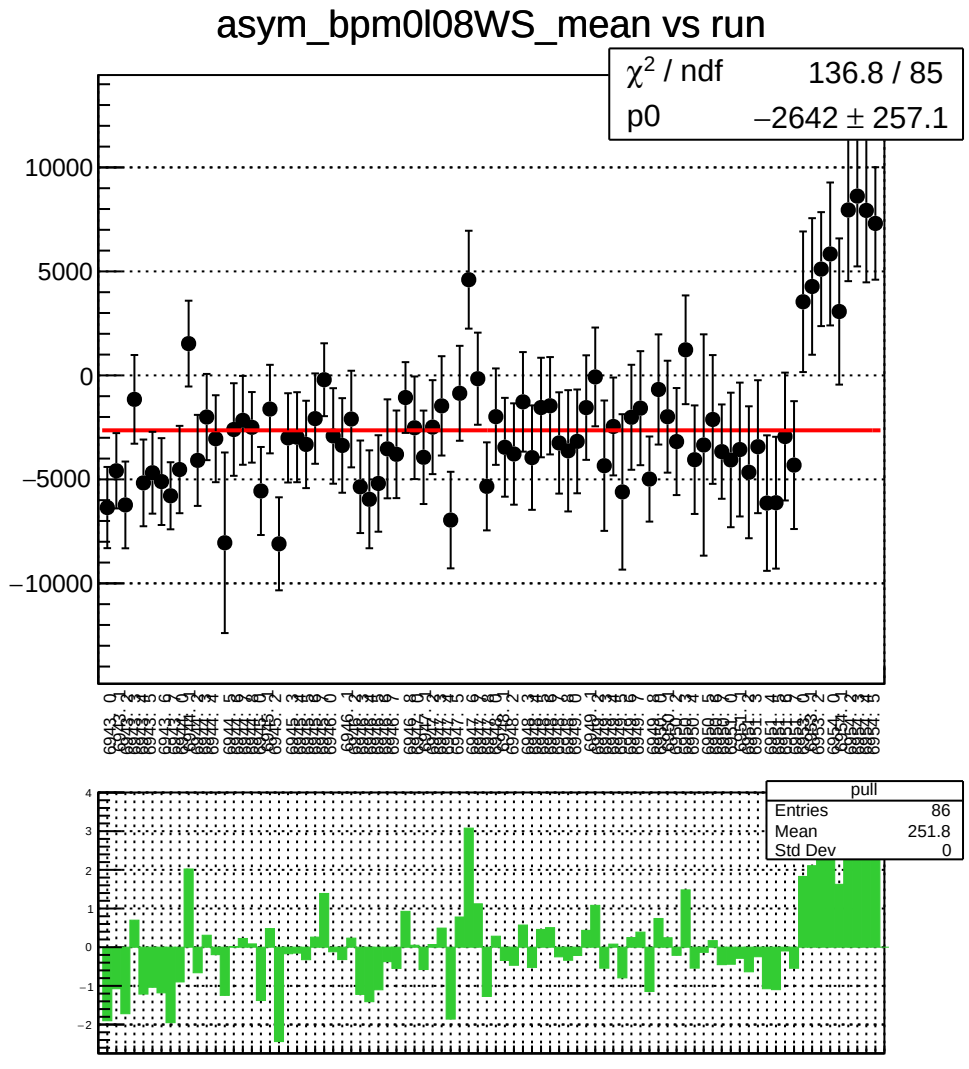

pull1D
Entries 86
Mean 0.08375
Std Dev 1.295
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

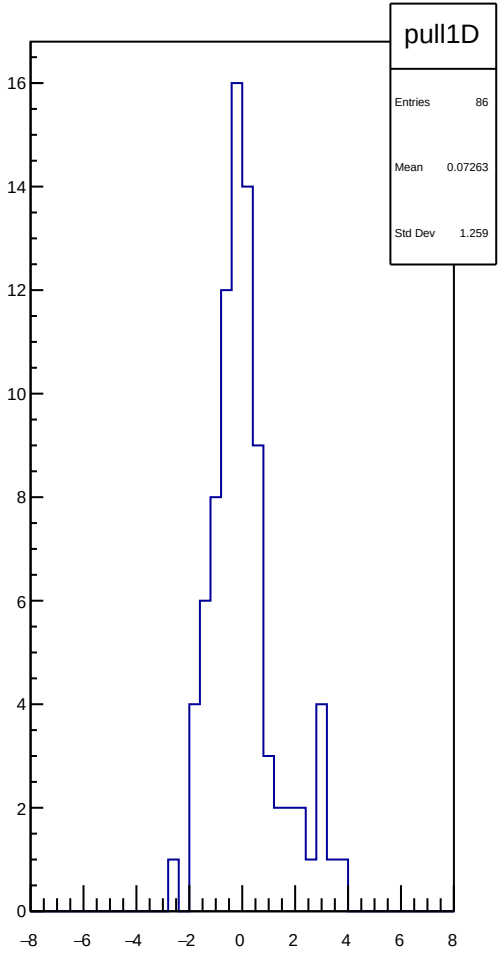

asym_bpm0l06WS_rms vs run
χ^2 / ndf 5.186e+04 / 85
p0 233.3 ± 0.1842
500
450
400
350
300
250
200
150

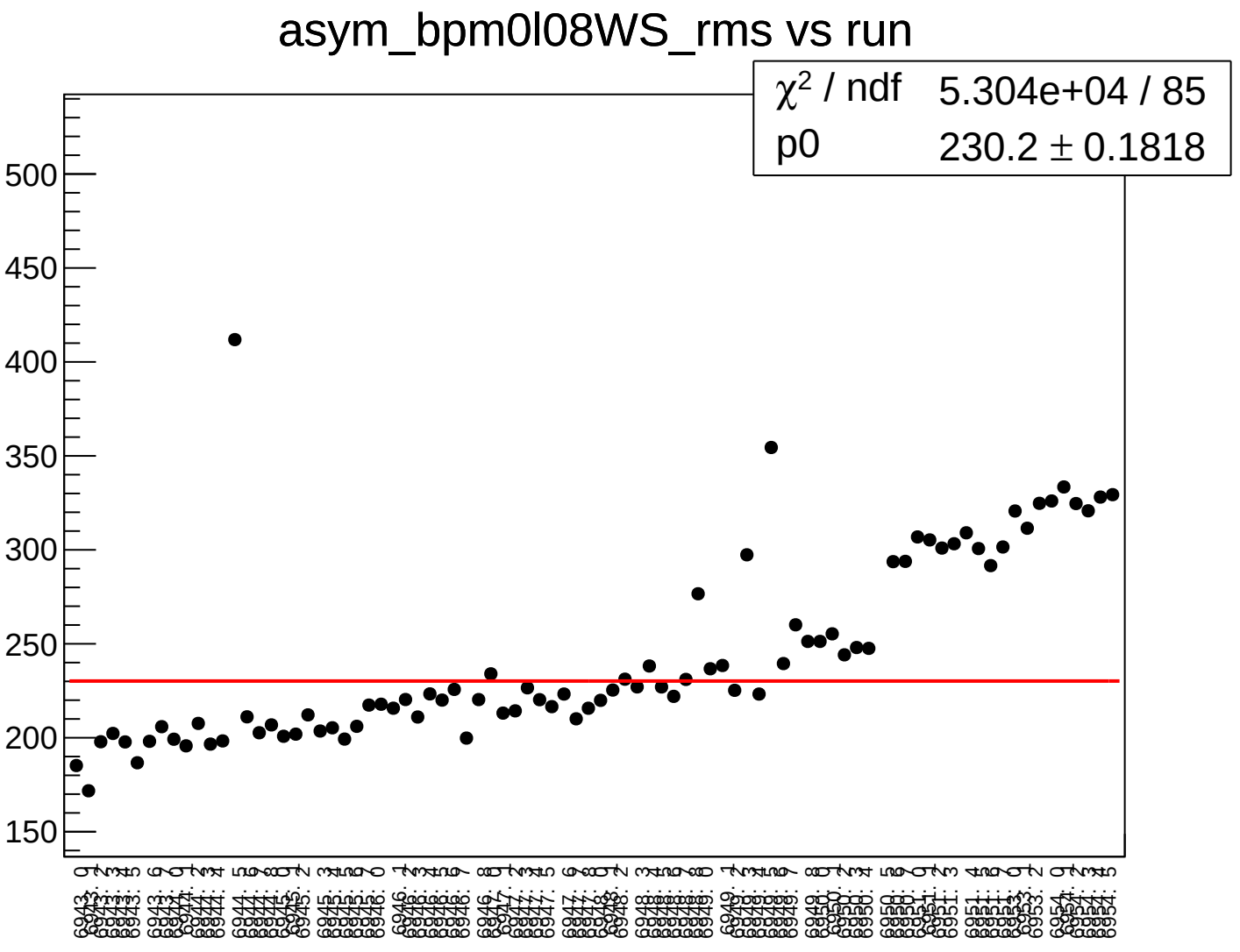

asym_bpm0l07WS_mean vs run
χ² / ndf 120.3 / 85
p0 −2666 ± 258.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 257.2
Std Dev 0
3
2
1
0
−1
−2

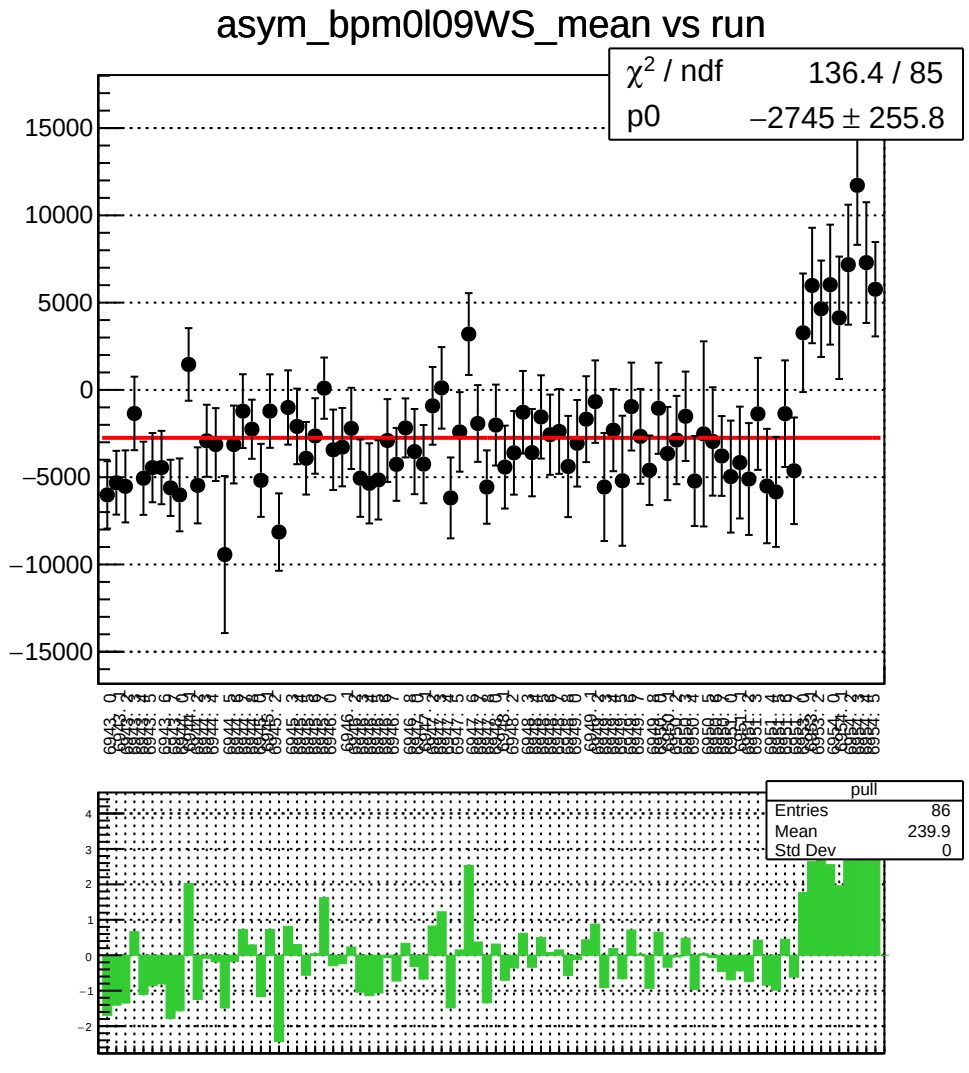

pull1D
Entries 86
Mean 0.05977
Std Dev 1.181
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

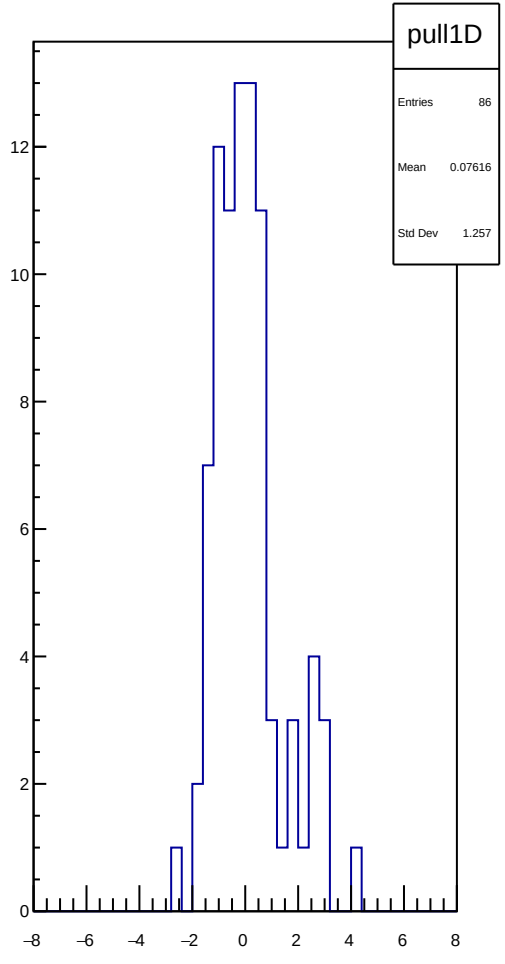

asym_bpm0l07WS_rms vs run
χ² / ndf 5.37e+04 / 85
p0 231.6 ± 0.183
500
450
400
350
300
250
200
150

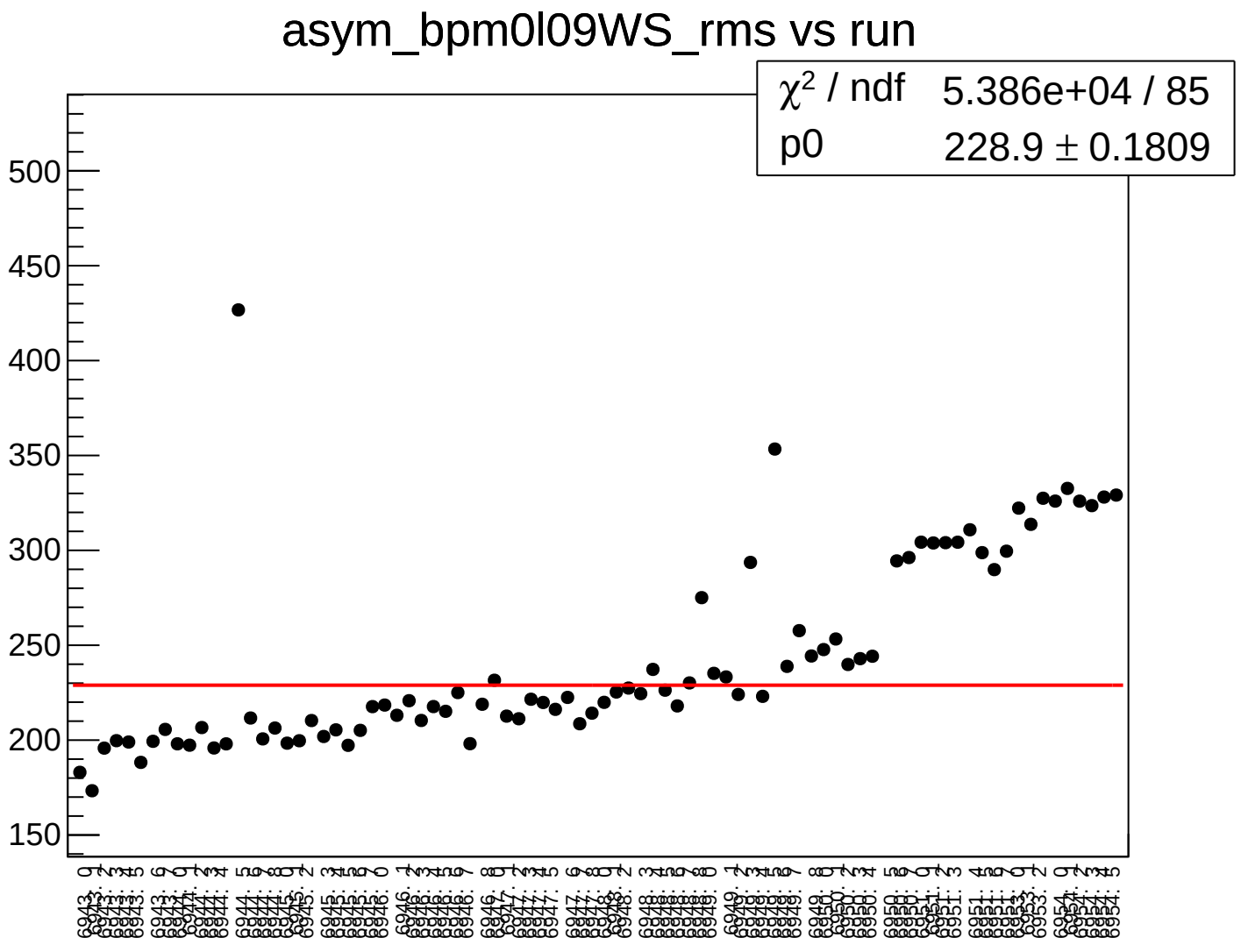

asym_bpm0l08WS_mean vs run
χ² / ndf 136.8 / 85
p0 −2642 ± 257.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 251.8
Std Dev 0
4
3
2
1
0
−1
−2

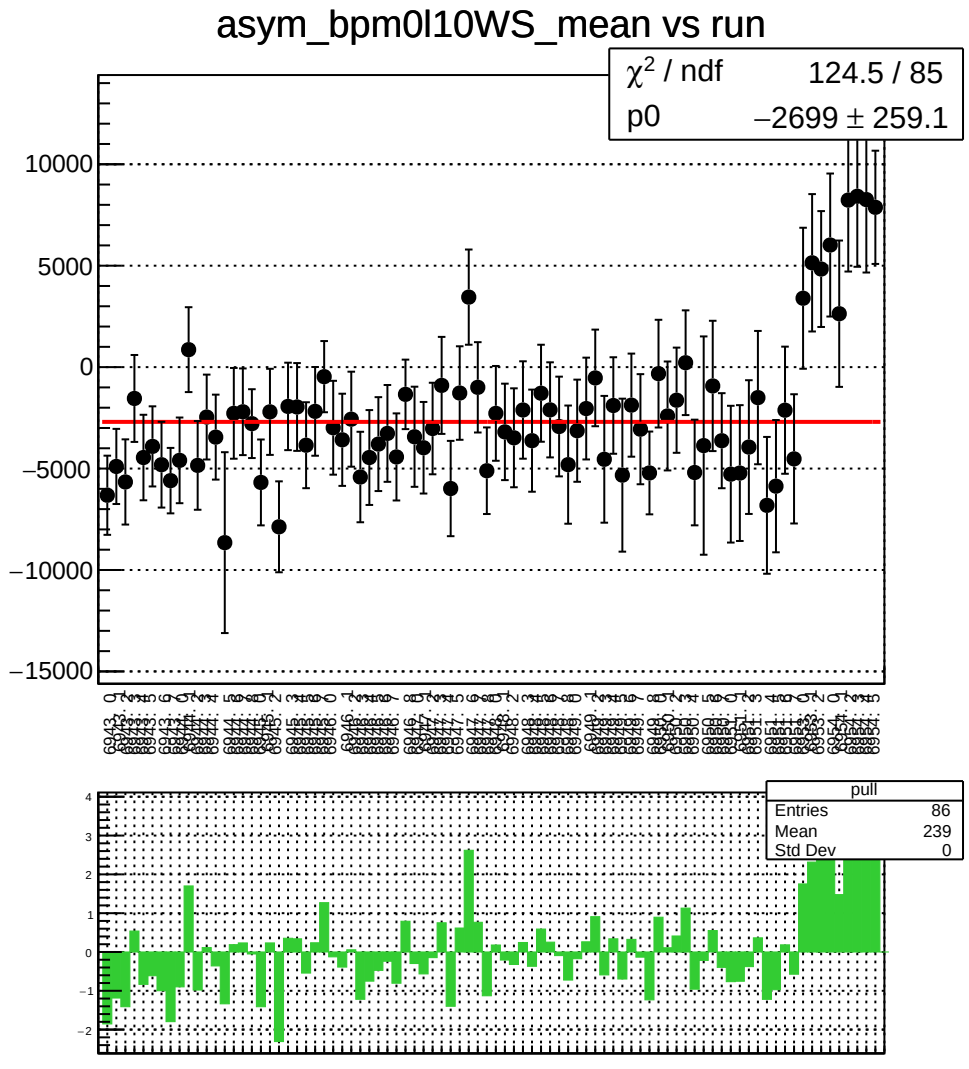

pull1D
Entries 86
Mean 0.07263
Std Dev 1.259
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

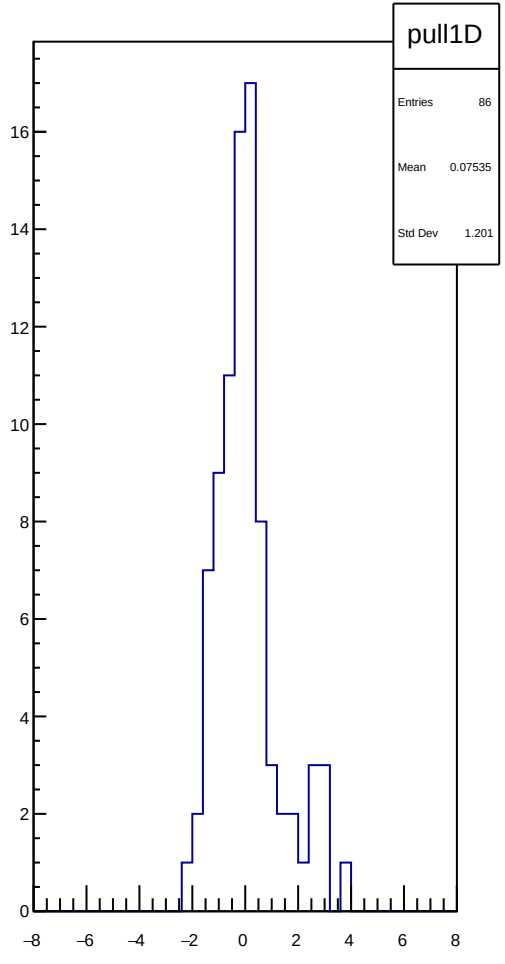

asym_bpm0l08WS_rms vs run
χ² / ndf 5.304e+04 / 85
p0 230.2 ± 0.1818
500
450
400
350
300
250
200
150

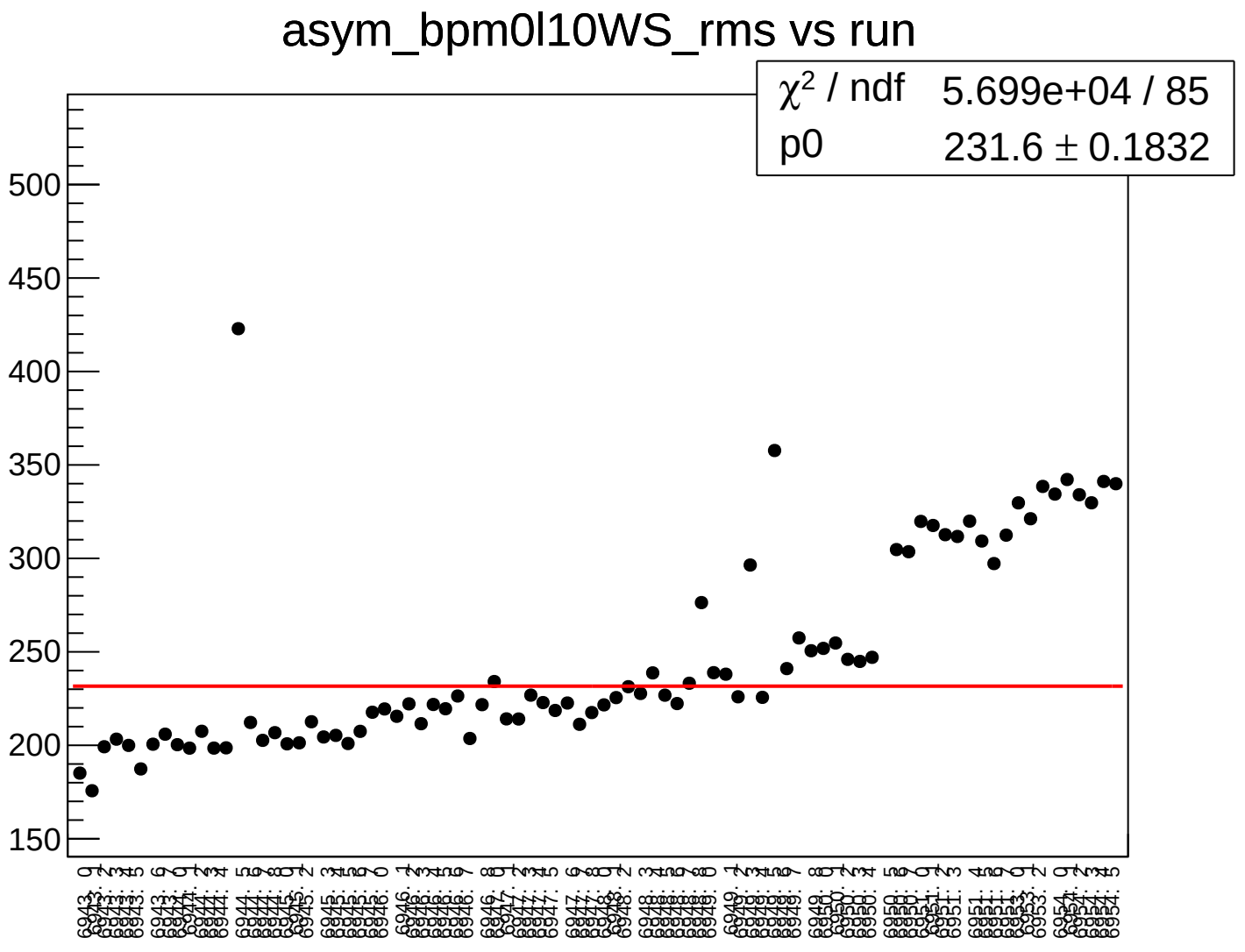

asym_bpm0l09WS_mean vs run
χ² / ndf 136.4 / 85
p0 −2745 ± 255.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 239.9
Std Dev 0
4
3
2
1
0
−1
−2

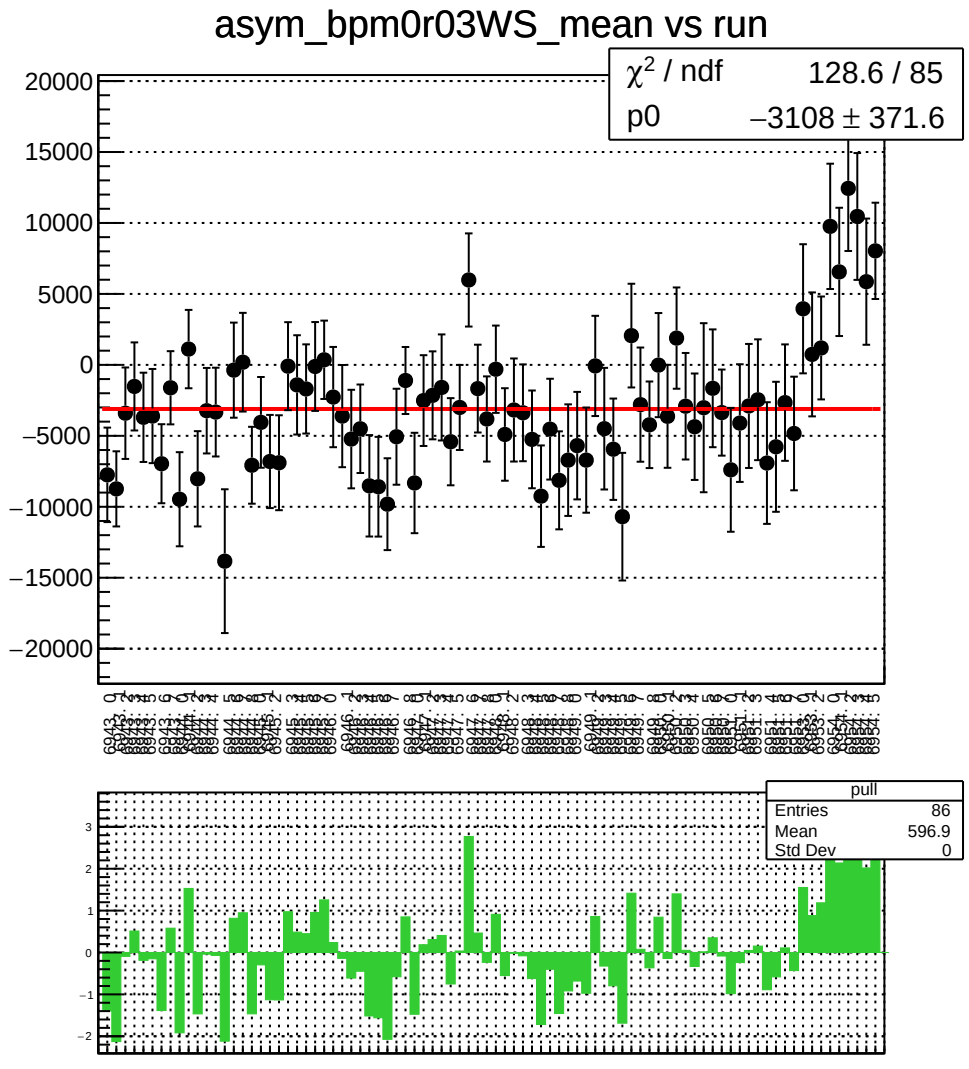

pull1D
Entries 86
Mean 0.07616
Std Dev 1.257
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

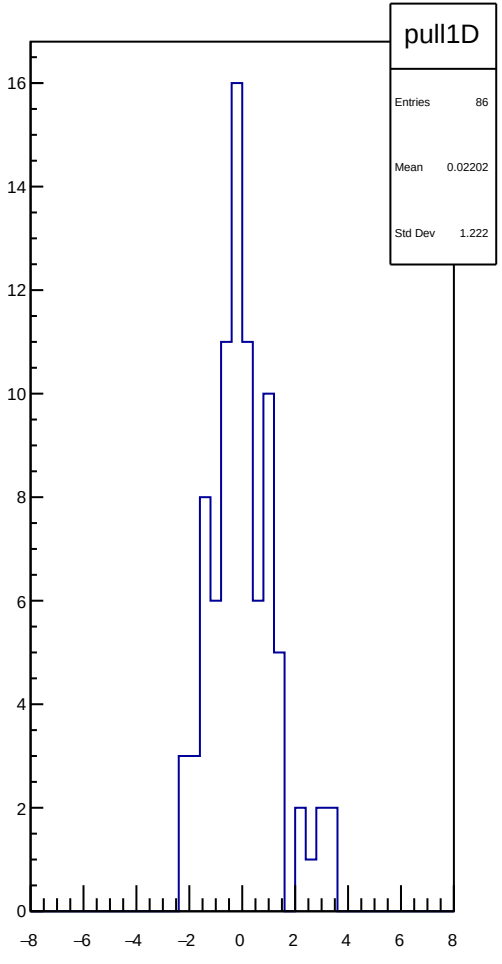

asym_bpm0l09WS_rms vs run
χ² / ndf 5.386e+04 / 85
p0 228.9 ± 0.1809
500
450
400
350
300
250
200
150

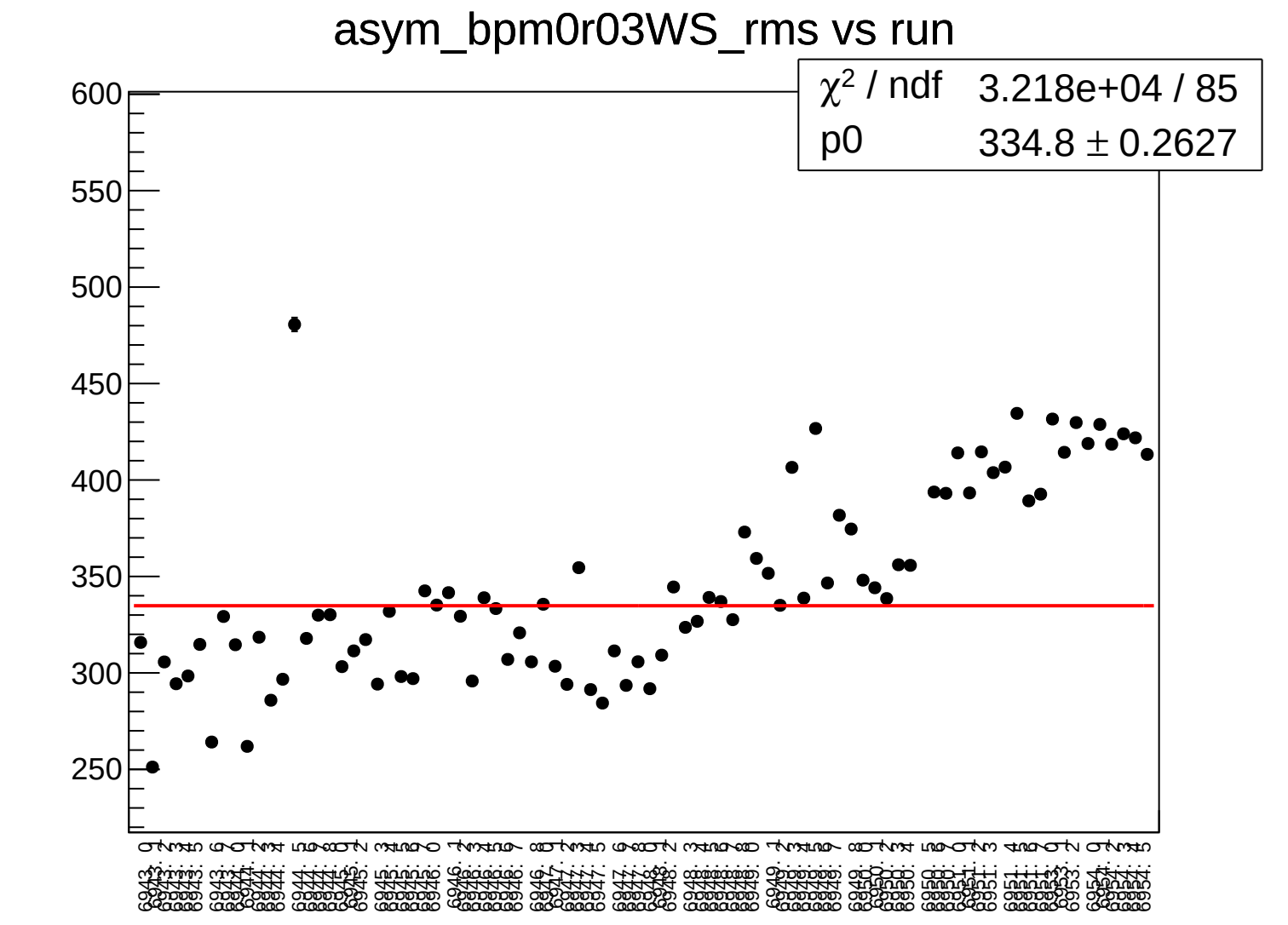

asym_bpm0l10WS_mean vs run
χ² / ndf 124.5 / 85
p0 −2699 ± 259.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 239
Std Dev 0
4
3
2
1
0
−1
−2

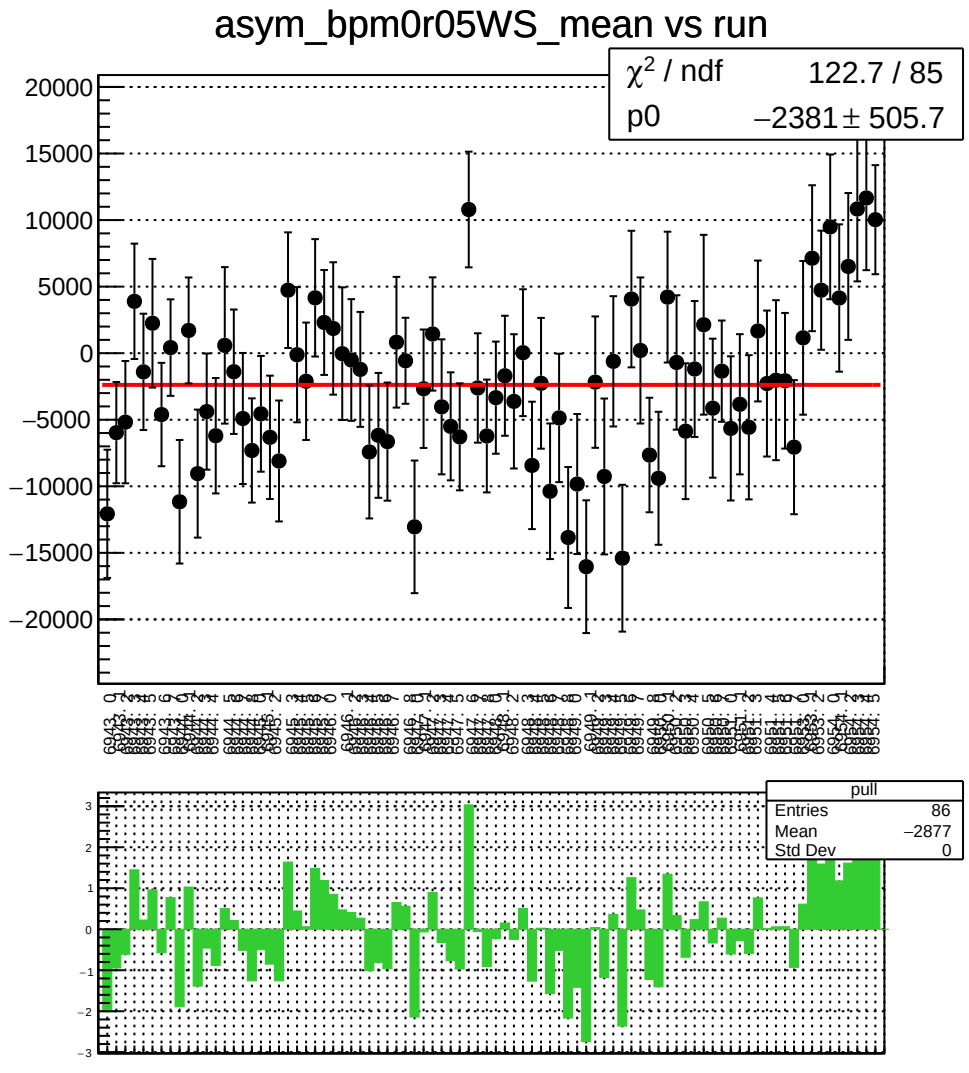

pull1D
Entries 86
Mean 0.07535
Std Dev 1.201
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

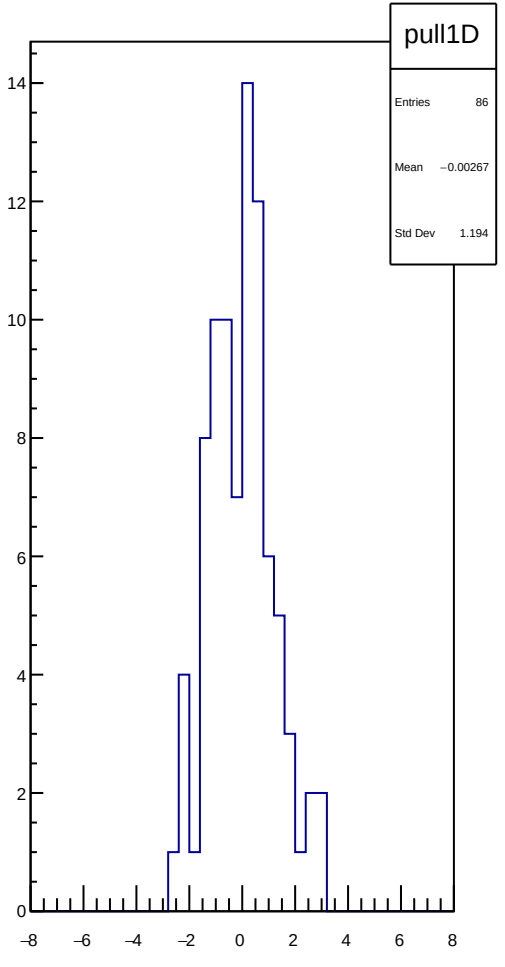

asym_bpm0l10WS_rms vs run
χ² / ndf 5.699e+04 / 85
p0 231.6 ± 0.1832
500
450
400
350
300
250
200
150

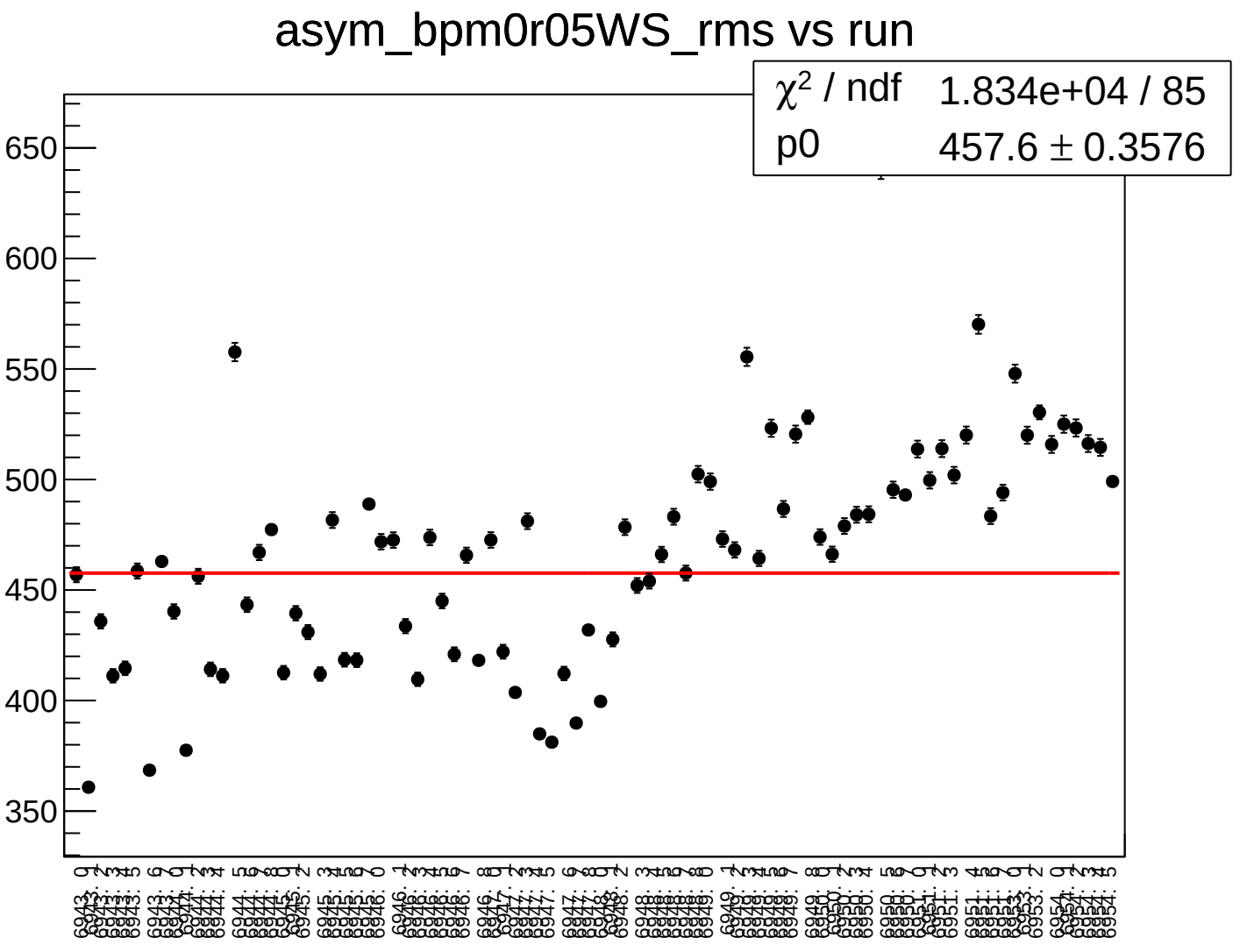

asym_bpm0r03WS_mean vs run
χ² / ndf 128.6 / 85
p0 −3108 ± 371.6
pull
Entries 86
Mean 596.9
Std Dev 0

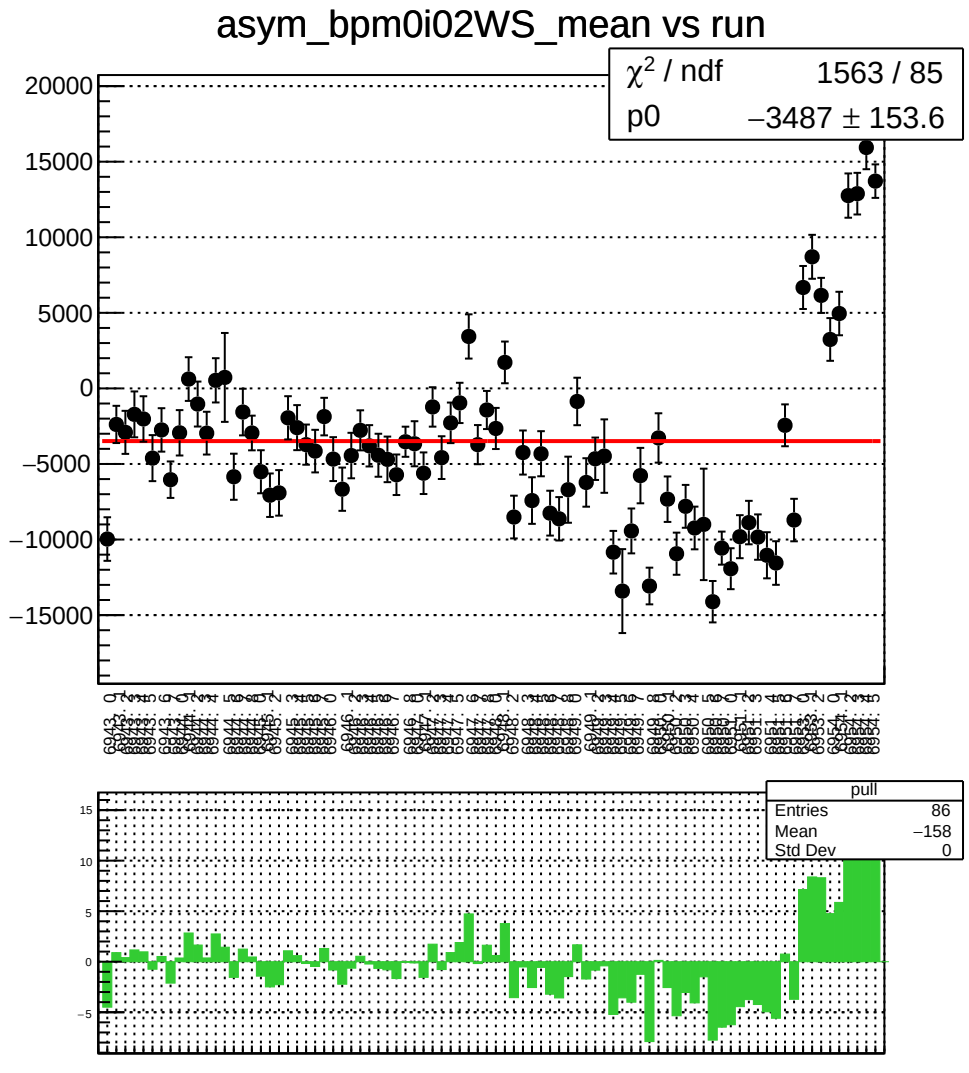

pull1D
Entries 86
Mean 0.02202
Std Dev 1.222

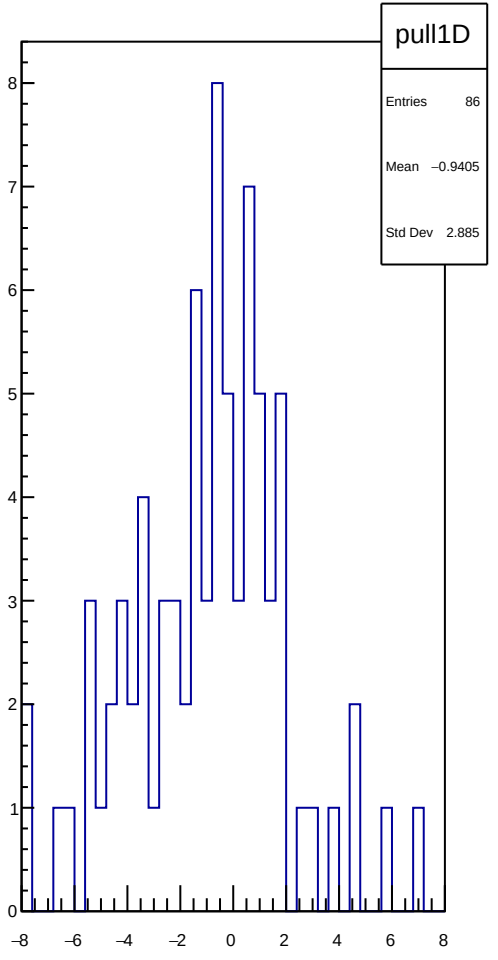

asym_bpm0r03WS_rms vs run
χ^2 / ndf 3.218e+04 / 85
p0 334.8 ± 0.2627
600
550
500
450
400
350
300
250

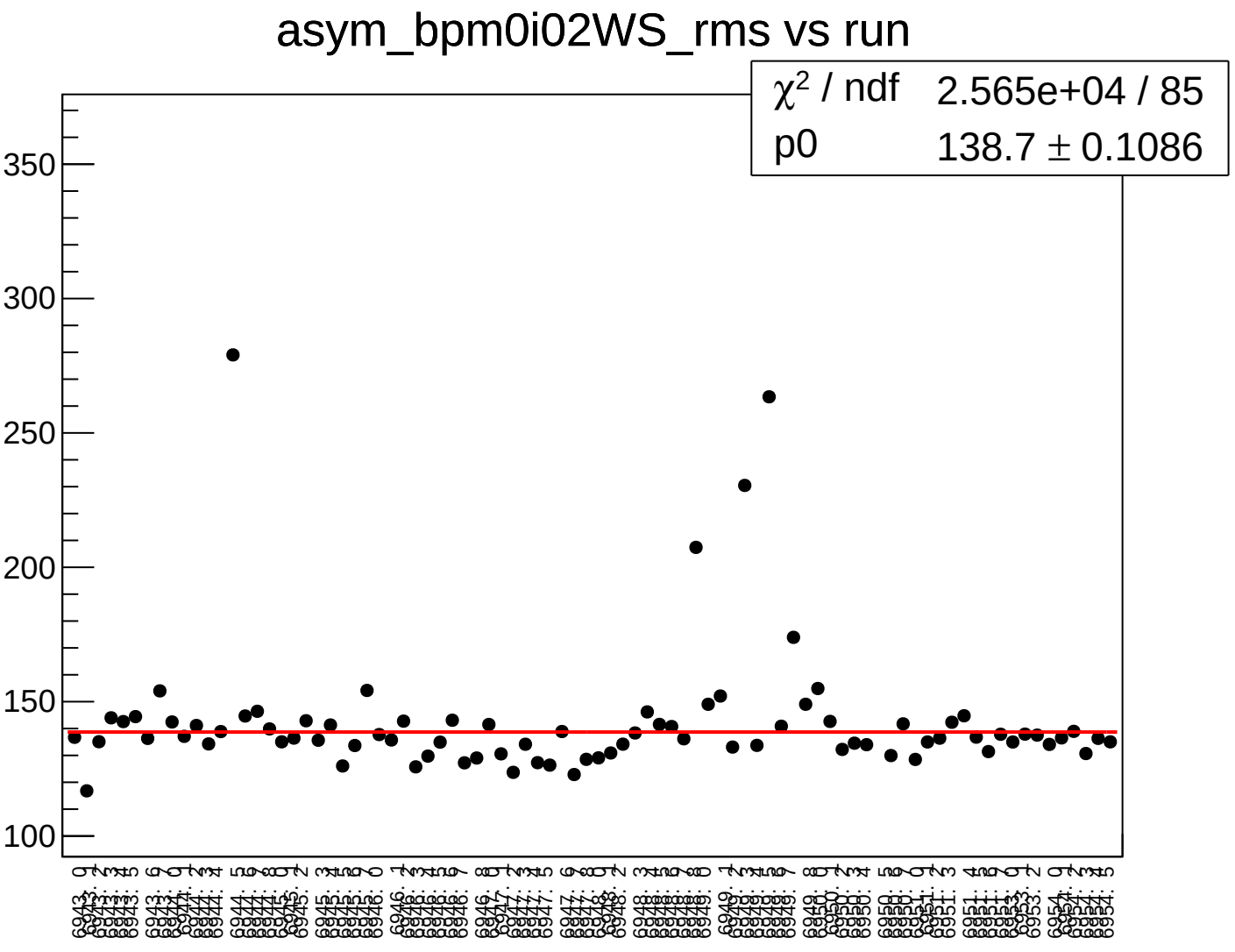

asym_bpm0r05WS_mean vs run
χ² / ndf 122.7 / 85
p0 −2381 ± 505.7
pull
Entries 86
Mean −2877
Std Dev 0

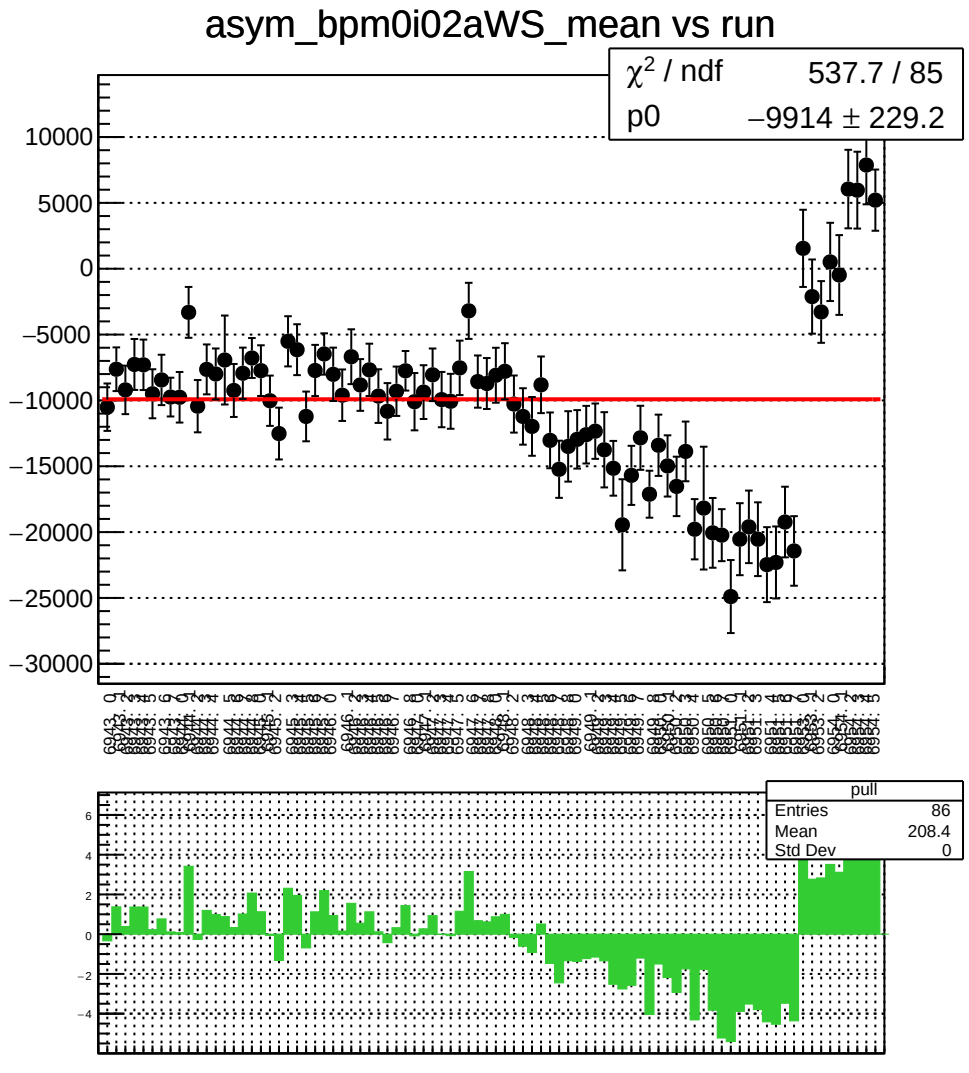

pull1D
Entries 86
Mean −0.00267
Std Dev 1.194

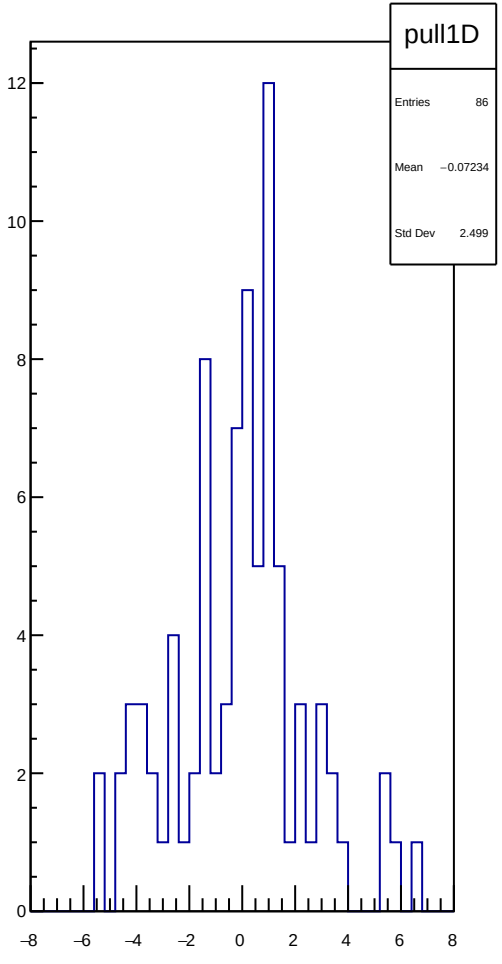

asym_bpm0r05WS_rms vs run
χ² / ndf 1.834e+04 / 85
p0 457.6 ± 0.3576
650
600
550
500
450
400
350

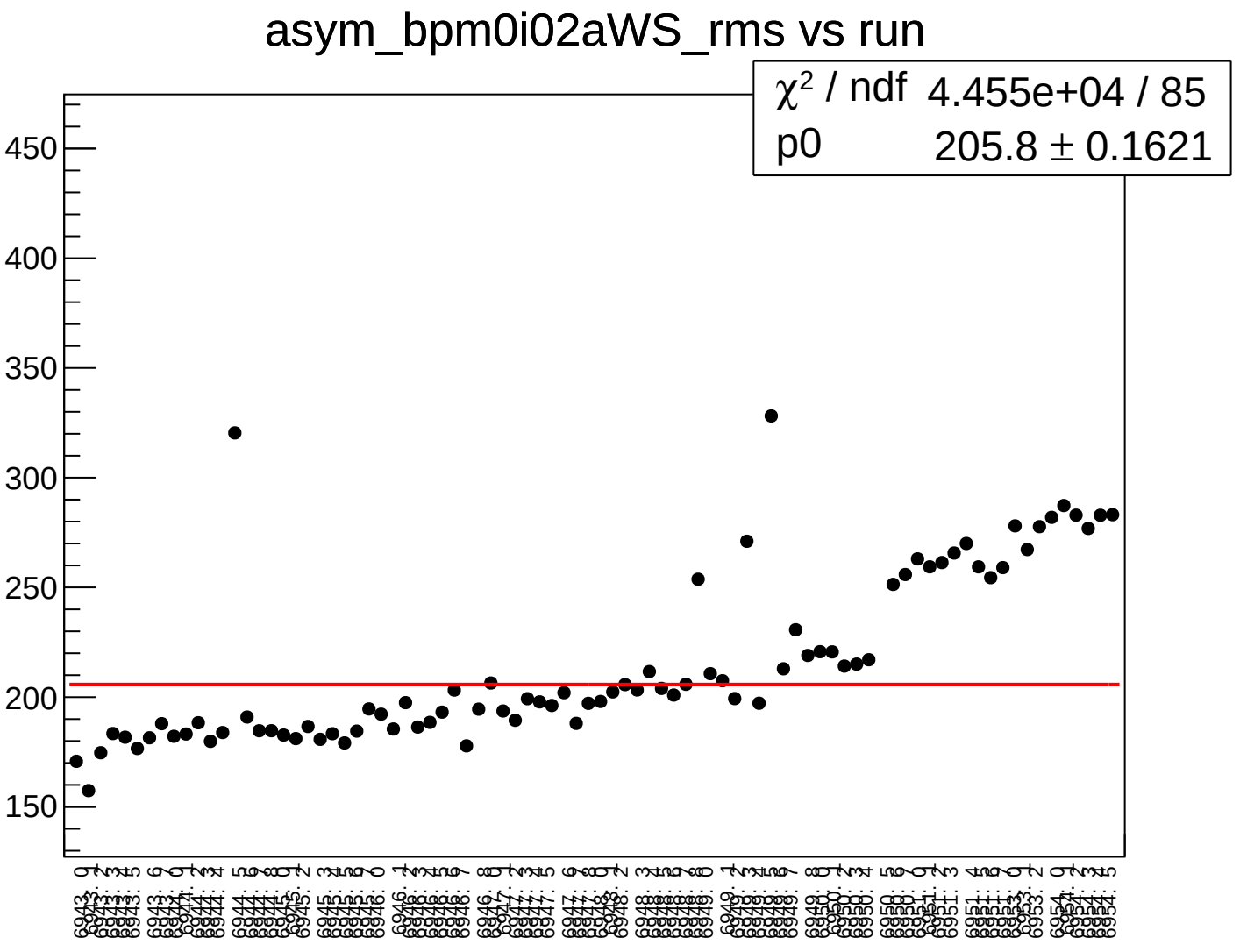

asym_bpm0i02WS_mean vs run
χ² / ndf 1563 / 85
p0 −3487 ± 153.6
pull
Entries 86
Mean −158
Std Dev 0

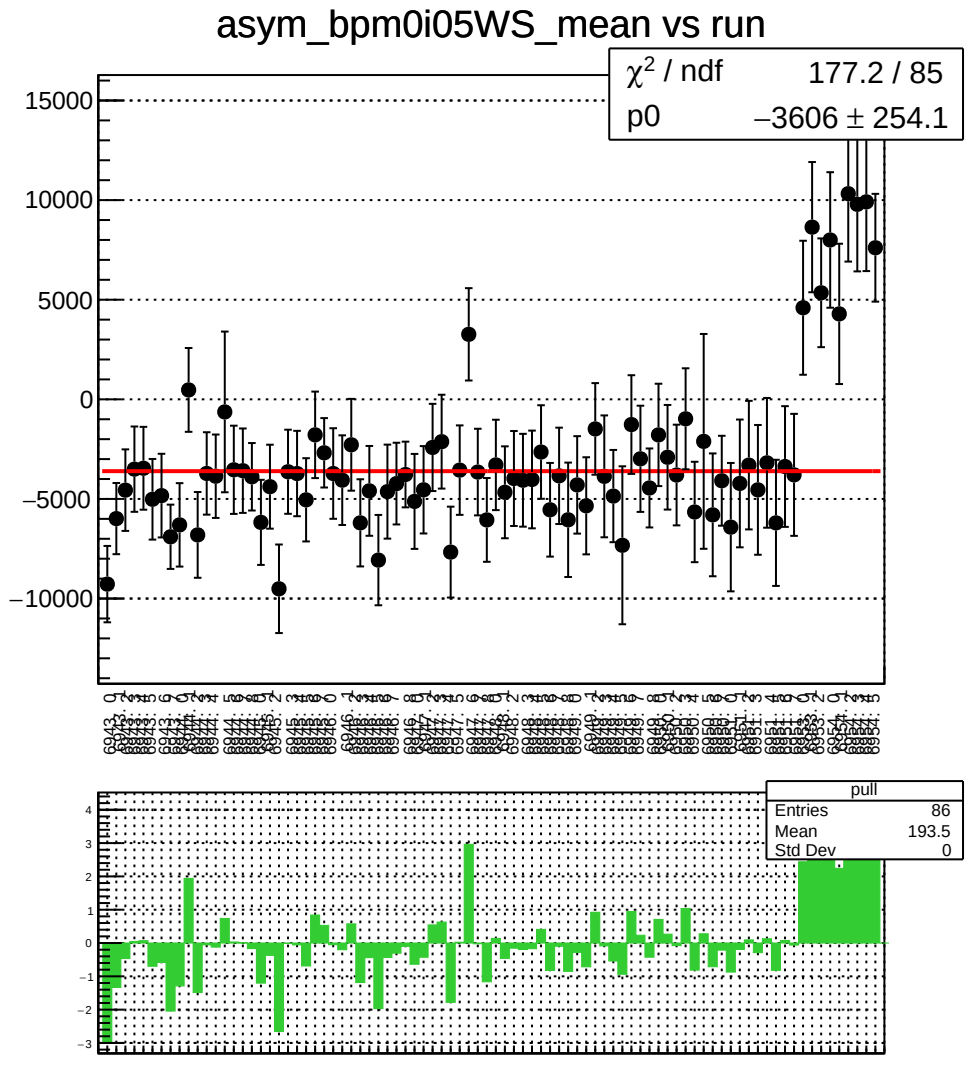

pull1D
Entries 86
Mean −0.9405
Std Dev 2.885

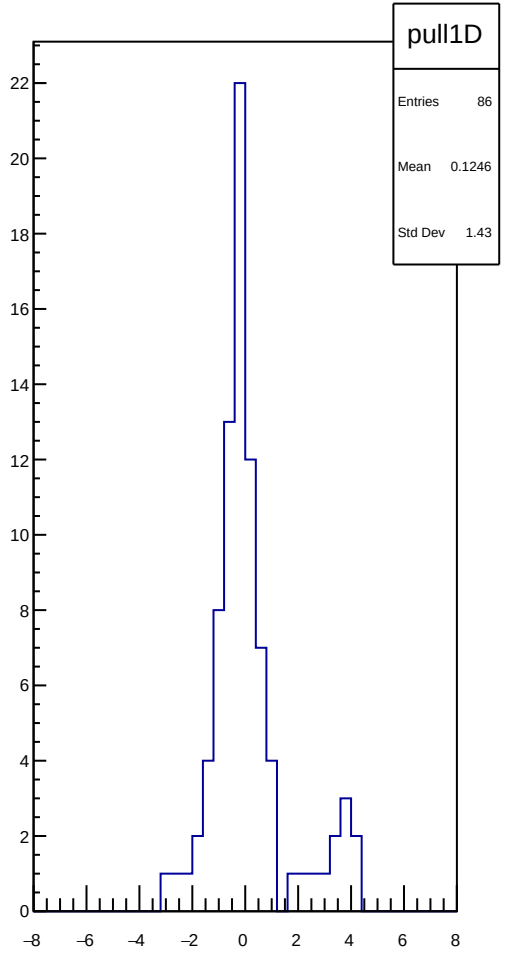

asym_bpm0i02WS_rms vs run
χ^2 / ndf 2.565e+04 / 85
p0 138.7 ± 0.1086
350
300
250
200
150
100

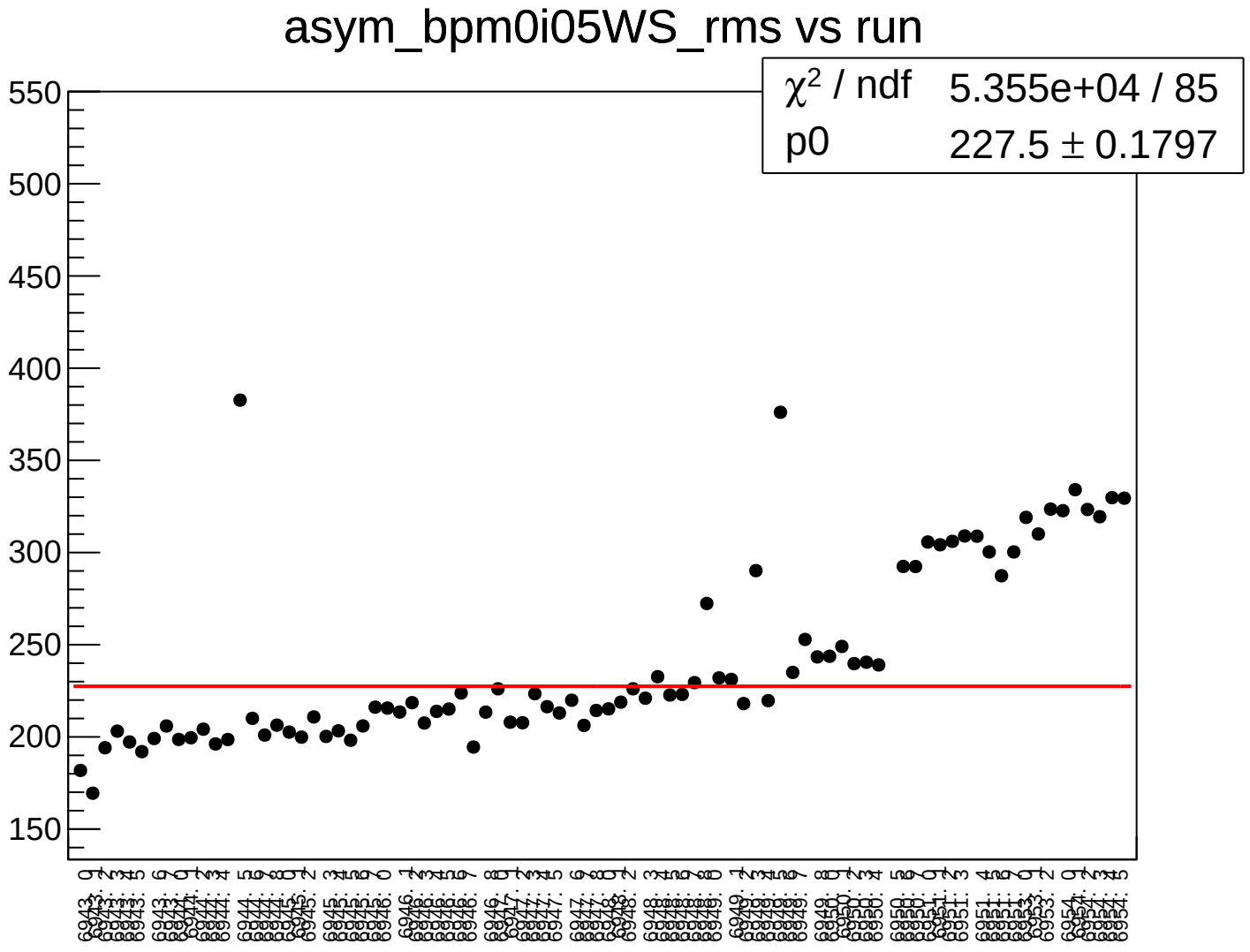

asym_bpm0i02aWS_mean vs run
χ² / ndf 537.7 / 85
p0 −9914 ± 229.2
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 86
Mean 208.4
Std Dev 0
6
4
2
0
−2
−4

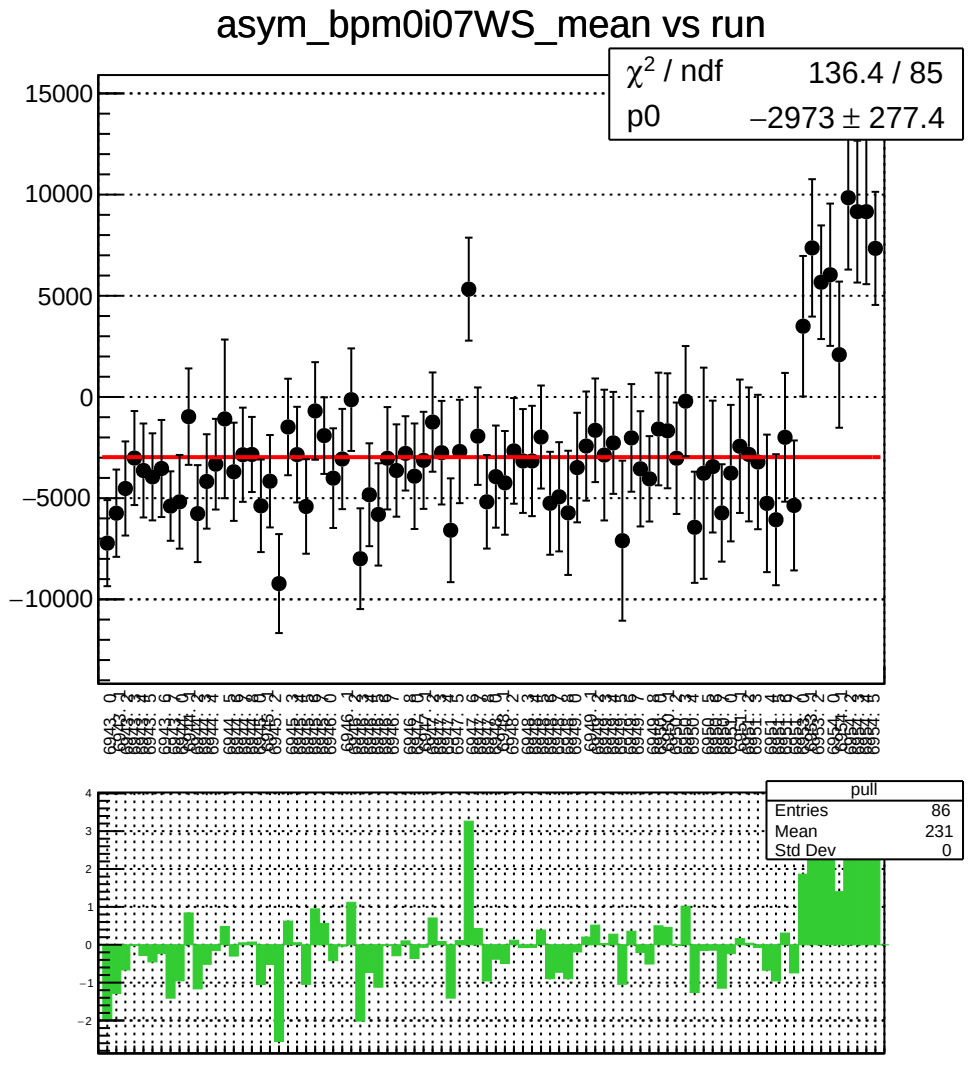

pull1D
Entries 86
Mean −0.07234
Std Dev 2.499
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

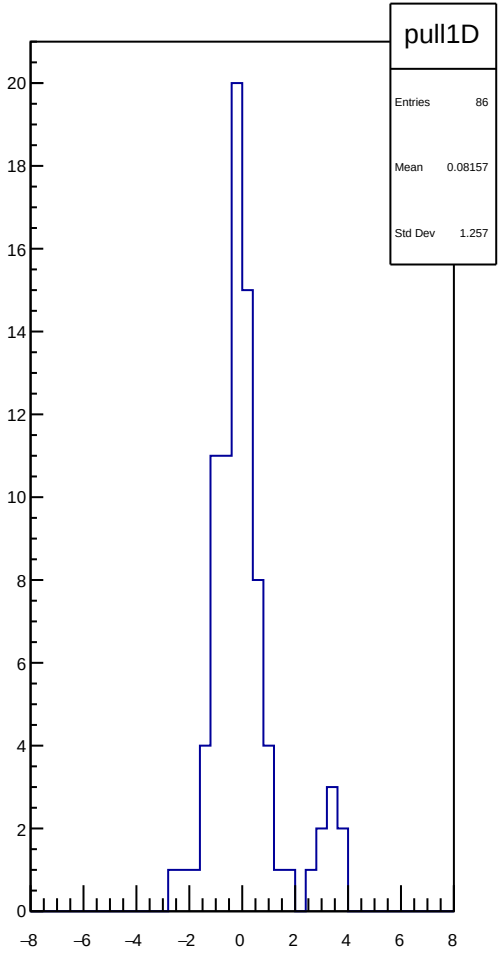

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.455e+04 / 85
p0 205.8 ± 0.1621
450
400
350
300
250
200
150

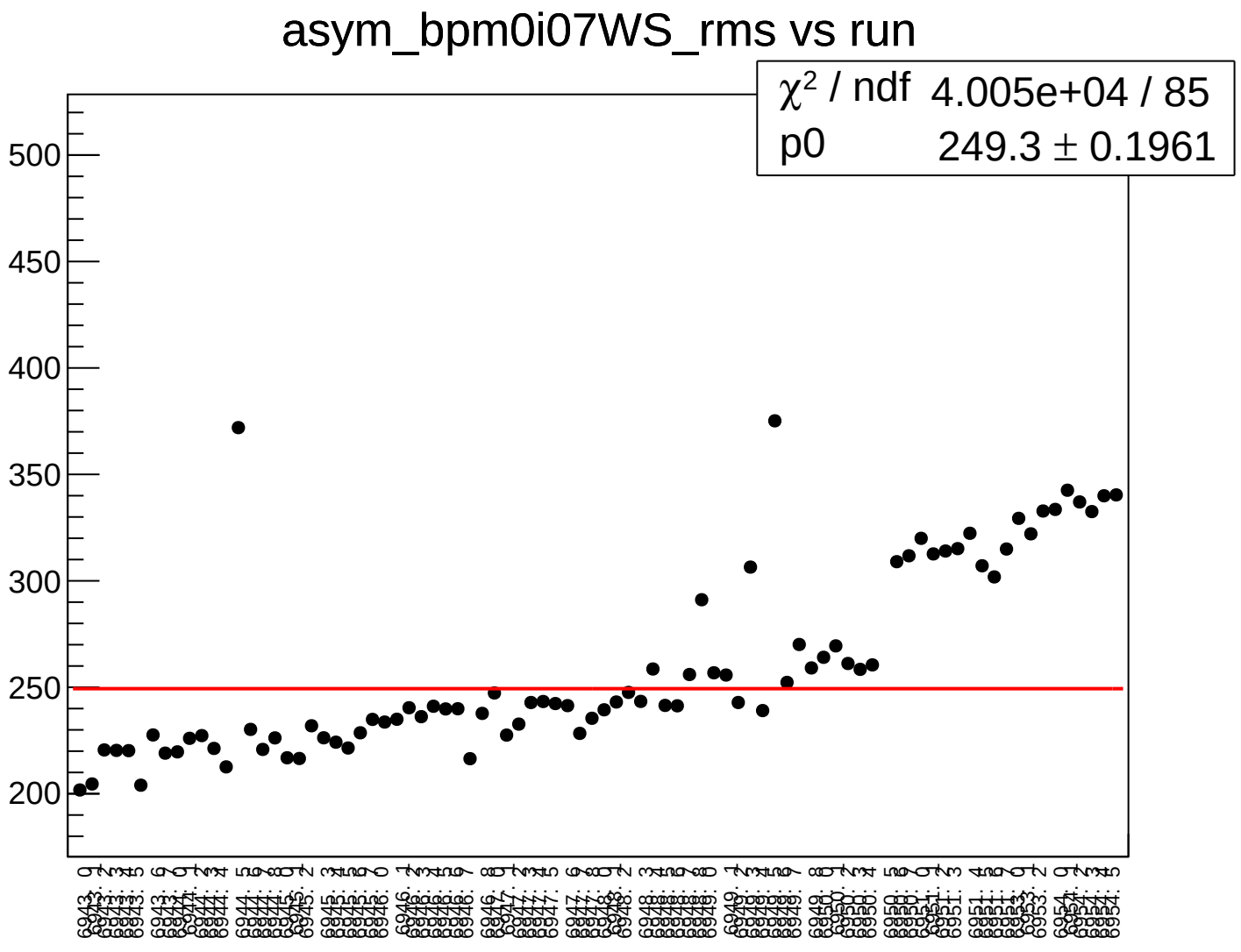

asym_bpm0i05WS_mean vs run
χ² / ndf 177.2 / 85
p0 −3606 ± 254.1
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 193.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

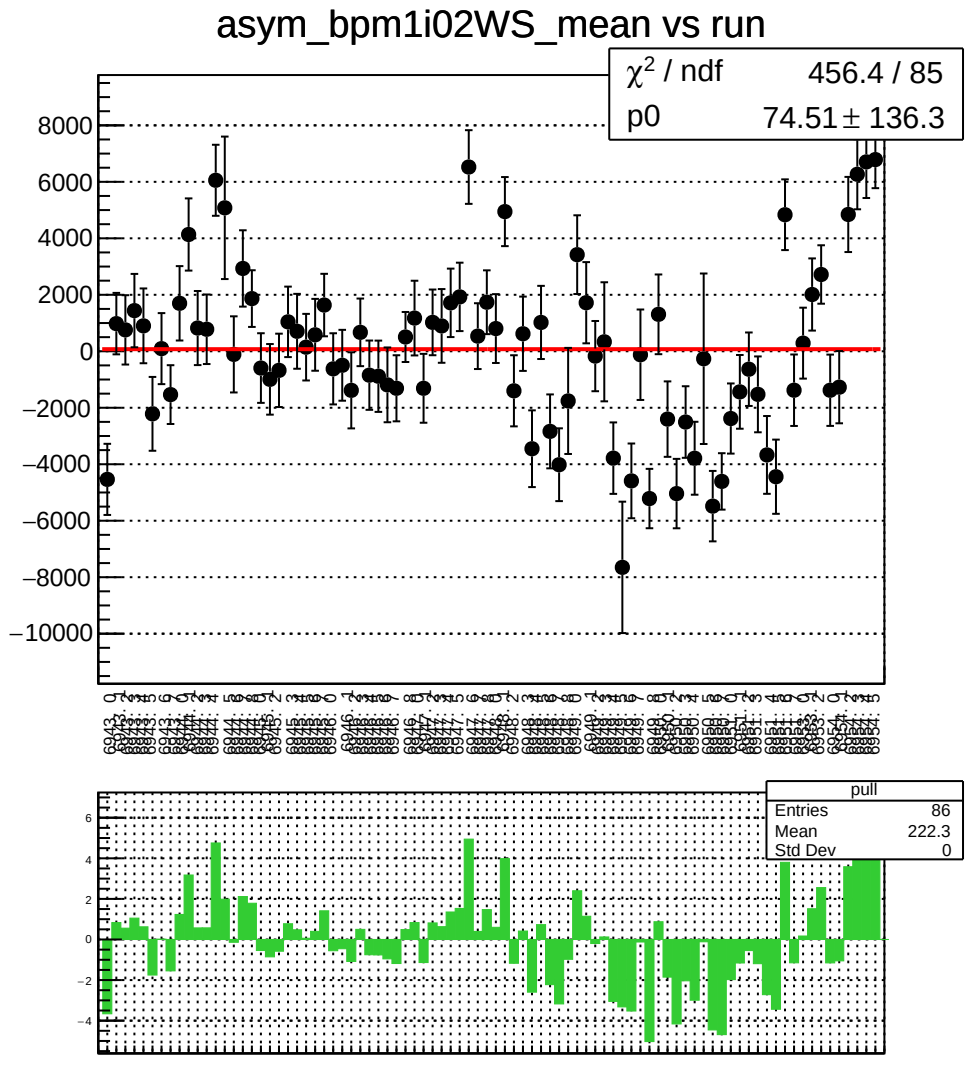

pull1D
Entries 86
Mean 0.1246
Std Dev 1.43
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

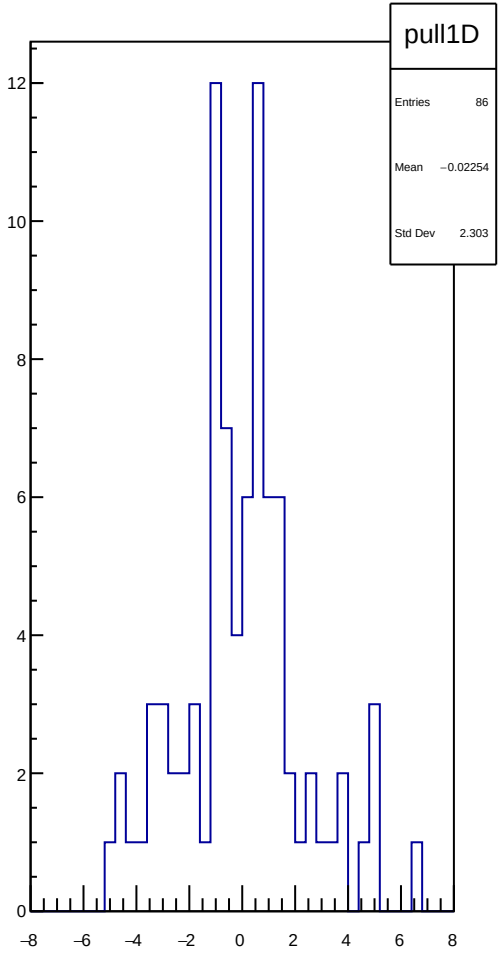

asym_bpm0i05WS_rms vs run
χ^2 / ndf 5.355e+04 / 85
p0 227.5 ± 0.1797
550
500
450
400
350
300
250
200
150

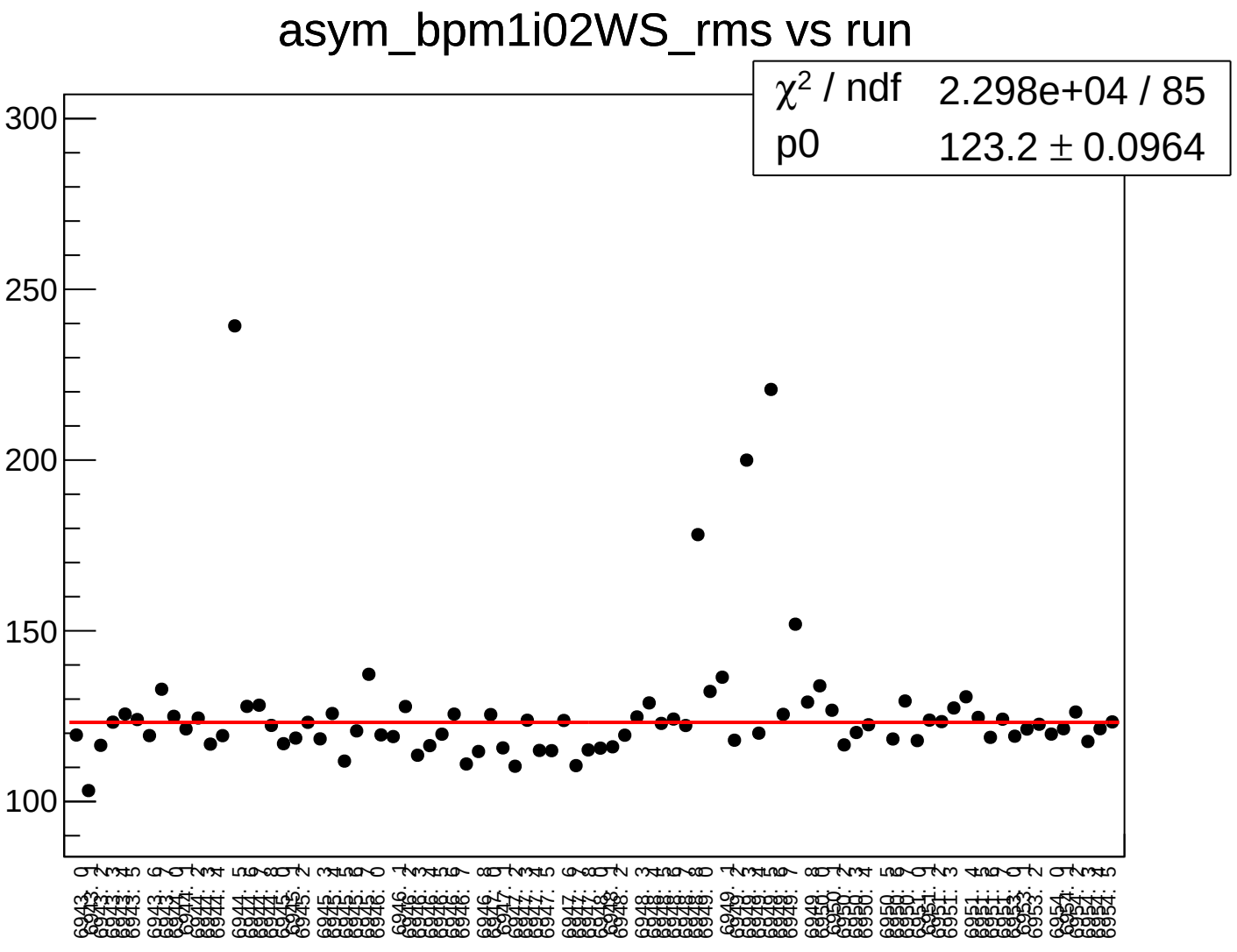

asym_bpm0i07WS_mean vs run
χ² / ndf 136.4 / 85
p0 −2973 ± 277.4
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 231
Std Dev 0
4
3
2
1
0
−1
−2

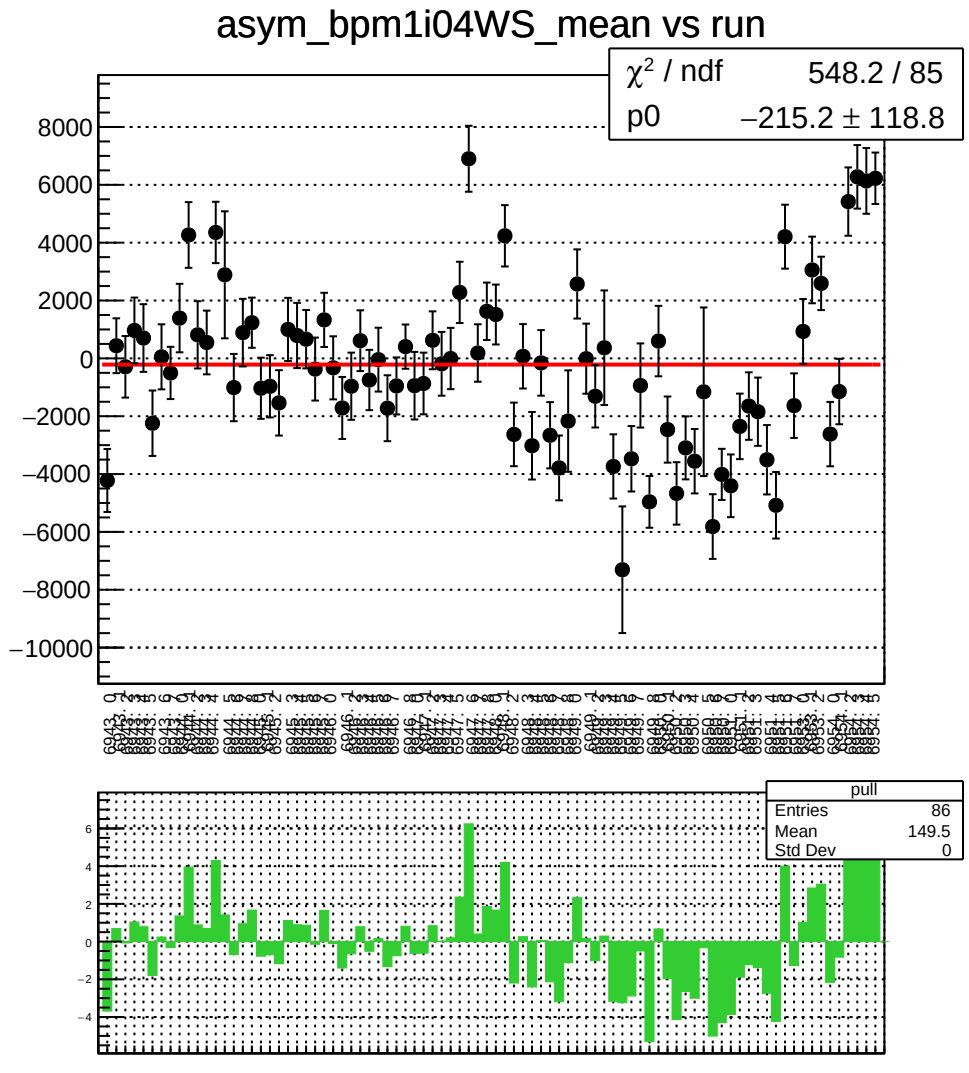

pull1D
Entries 86
Mean 0.08157
Std Dev 1.257
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

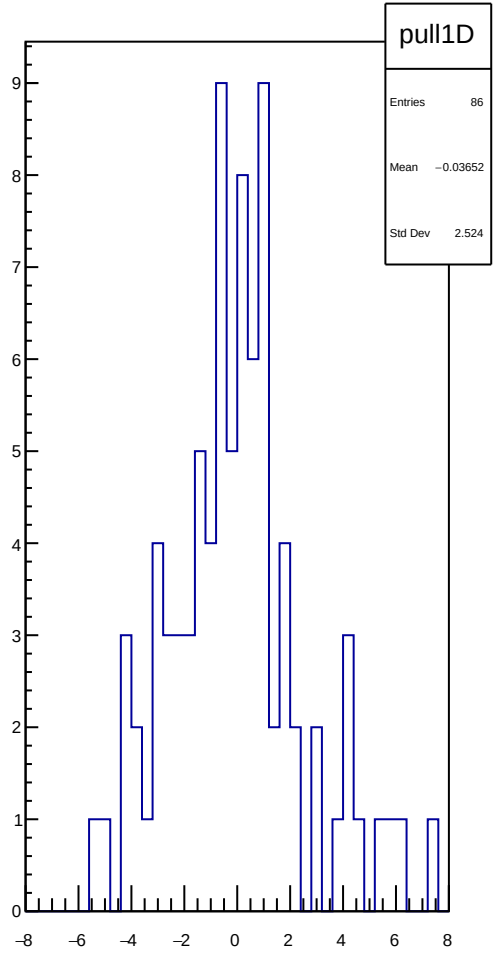

asym_bpm0i07WS_rms vs run
χ² / ndf 4.005e+04 / 85
p0 249.3 ± 0.1961
500
450
400
350
300
250
200

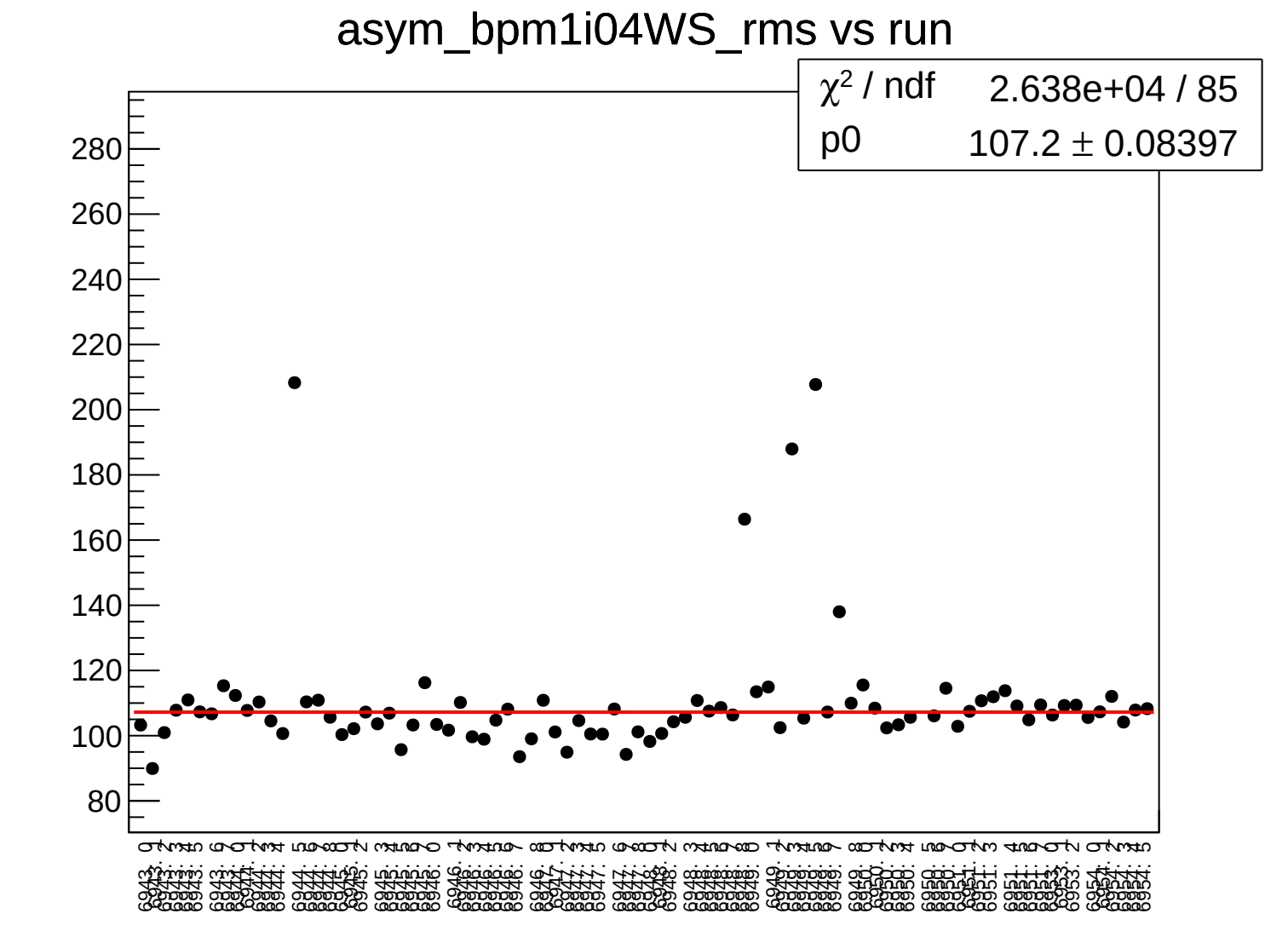

asym_bpm1i02WS_mean vs run
χ² / ndf 456.4 / 85
p0 74.51 ± 136.3
pull
Entries 86
Mean 222.3
Std Dev 0

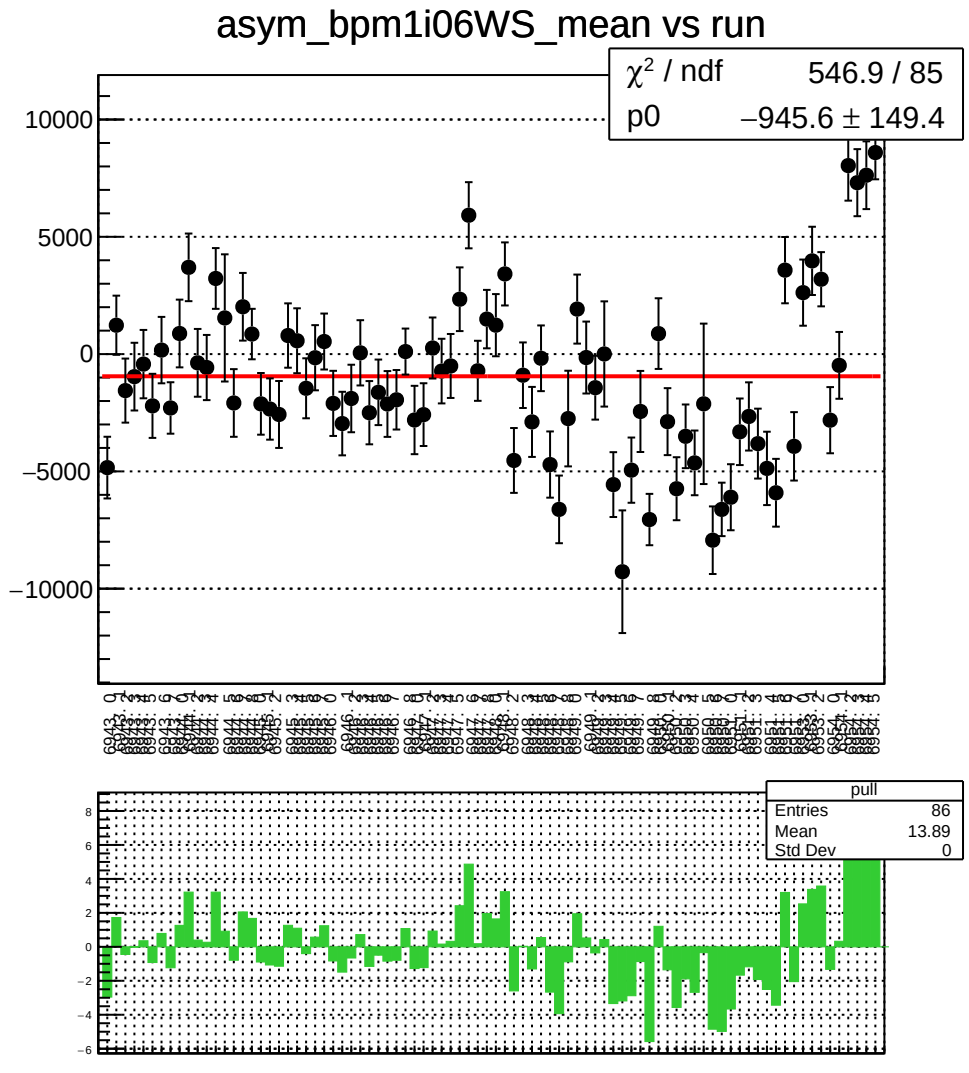

pull1D
Entries 86
Mean −0.02254
Std Dev 2.303

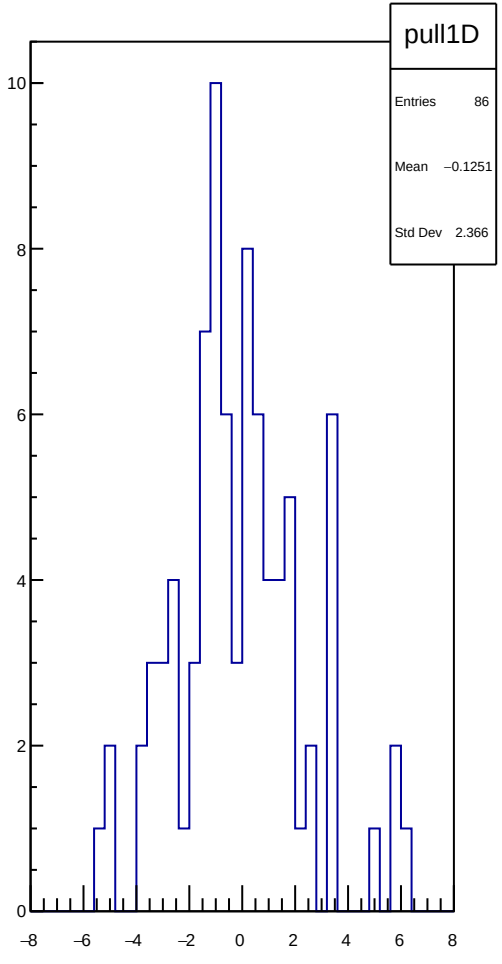

asym_bpm1i02WS_rms vs run
χ² / ndf 2.298e+04 / 85
p0 123.2 ± 0.0964
300
250
200
150
100

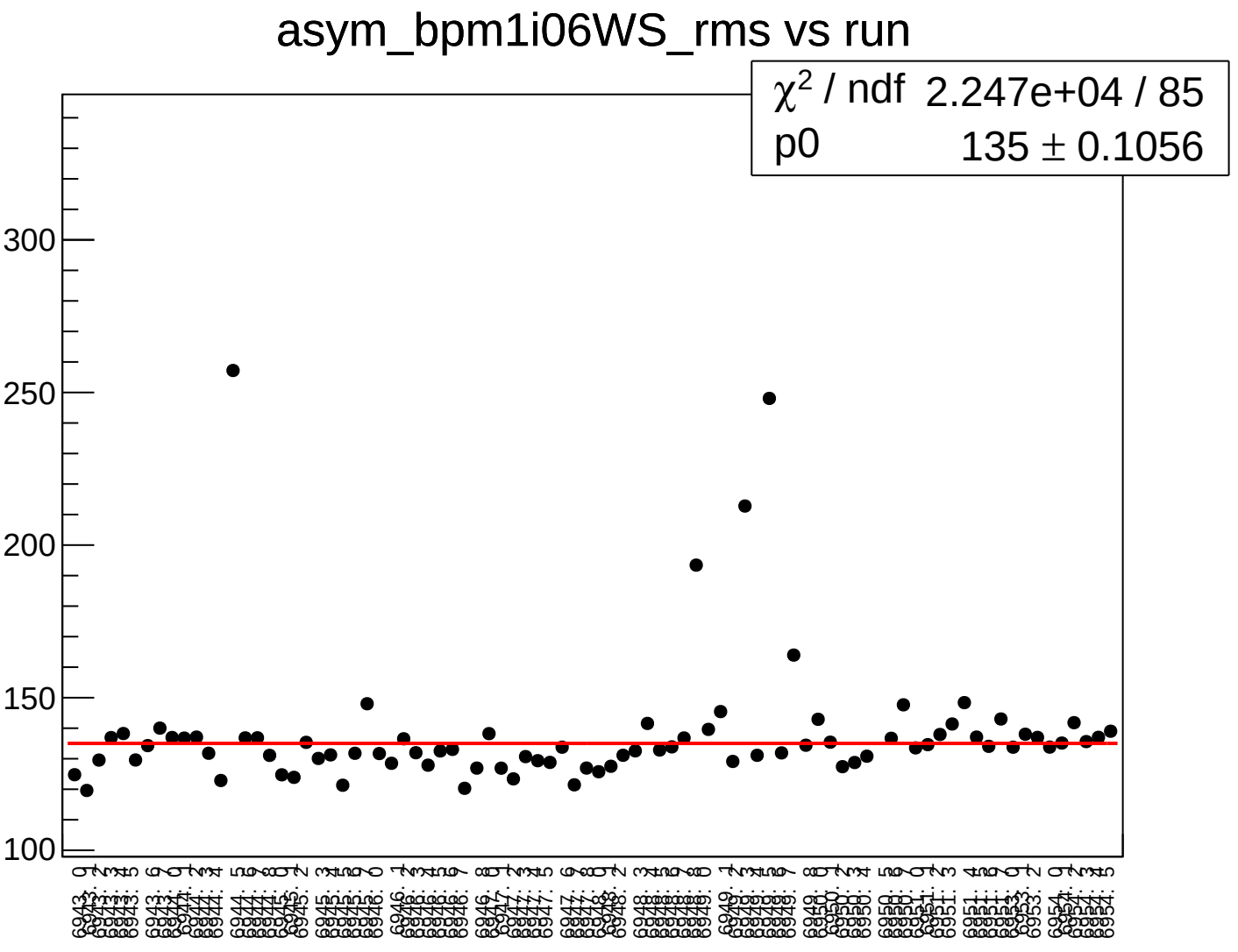

asym_bpm1i04WS_mean vs run
χ² / ndf 548.2 / 85
p0 −215.2 ± 118.8
pull
Entries 86
Mean 149.5
Std Dev 0

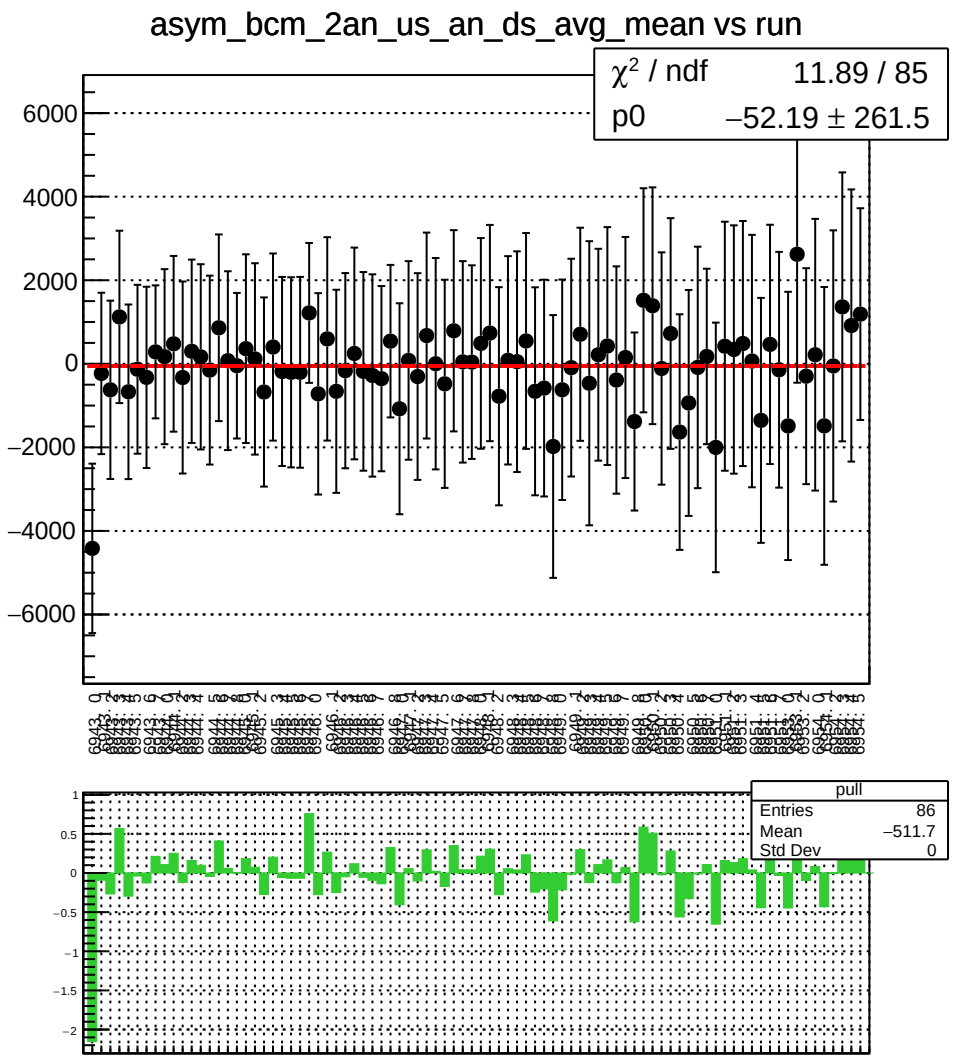

pull1D
Entries 86
Mean −0.03652
Std Dev 2.524

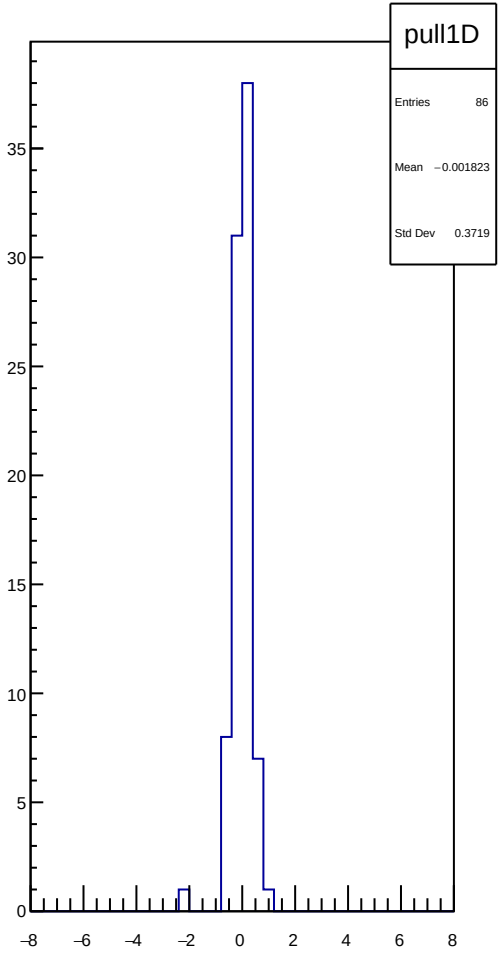

asym_bpm1i04WS_rms vs run
χ^2 / ndf 2.638e+04 / 85
p0 107.2 ± 0.08397
280
260
240
220
200
180
160
140
120
100
80

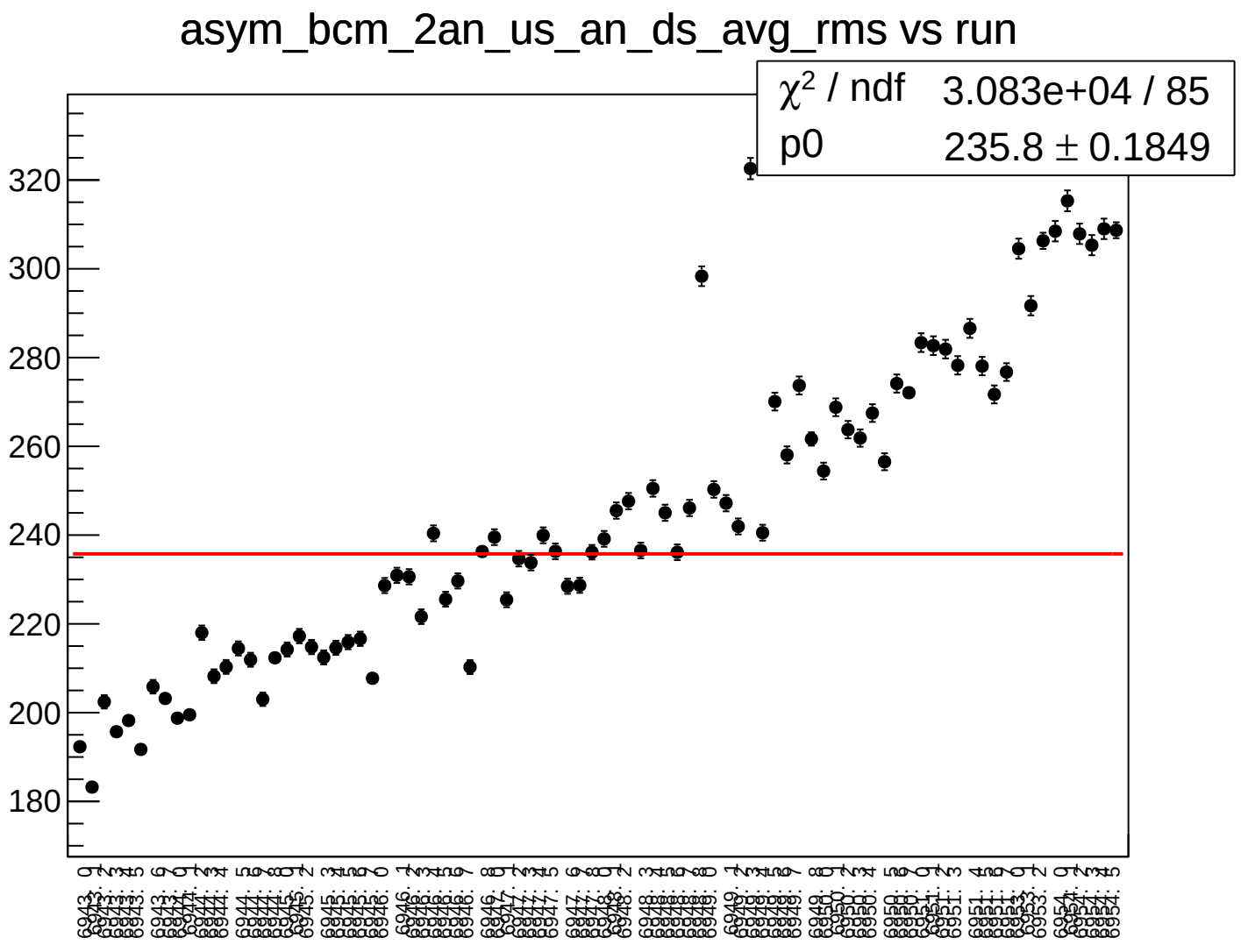

asym_bpm1i06WS_mean vs run
χ² / ndf 546.9 / 85
p0 −945.6 ± 149.4
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 13.89
Std Dev 0
8
6
4
2
0
−2
−4
−6

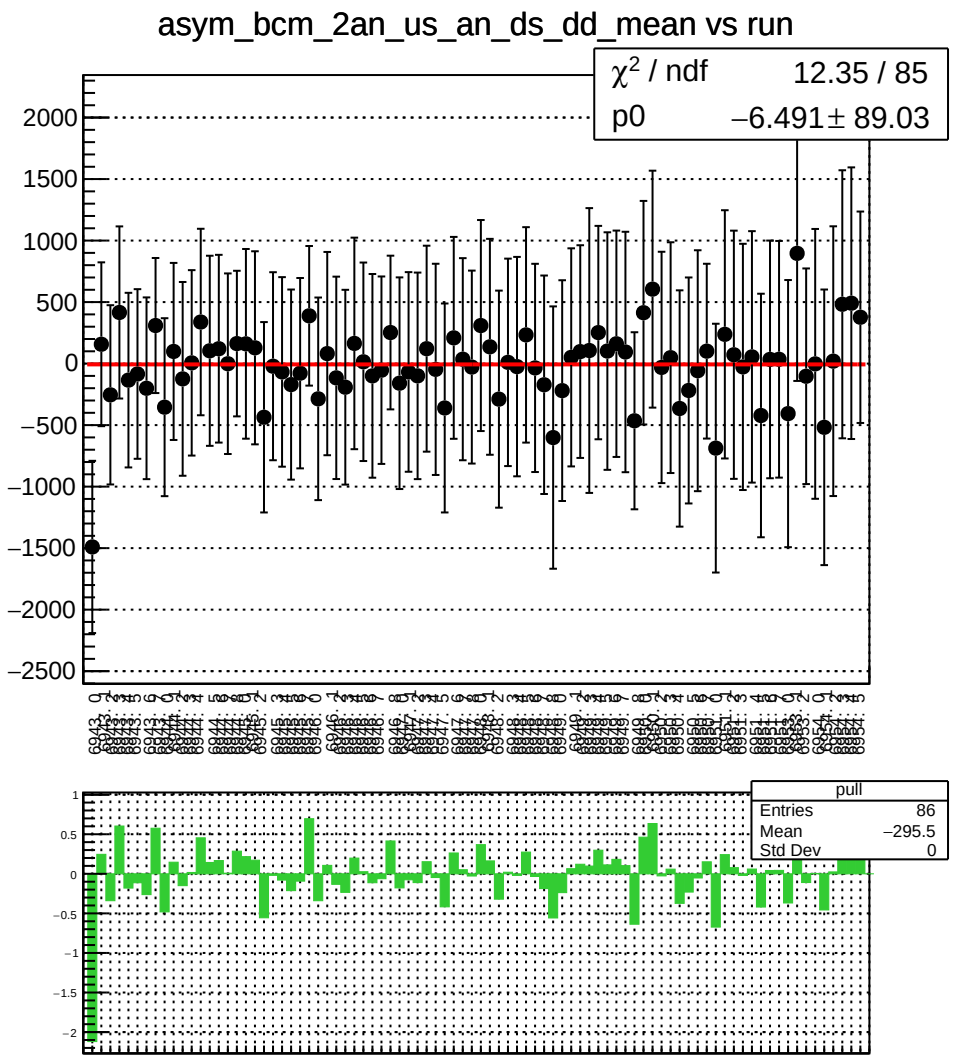

pull1D
Entries 86
Mean −0.1251
Std Dev 2.366
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

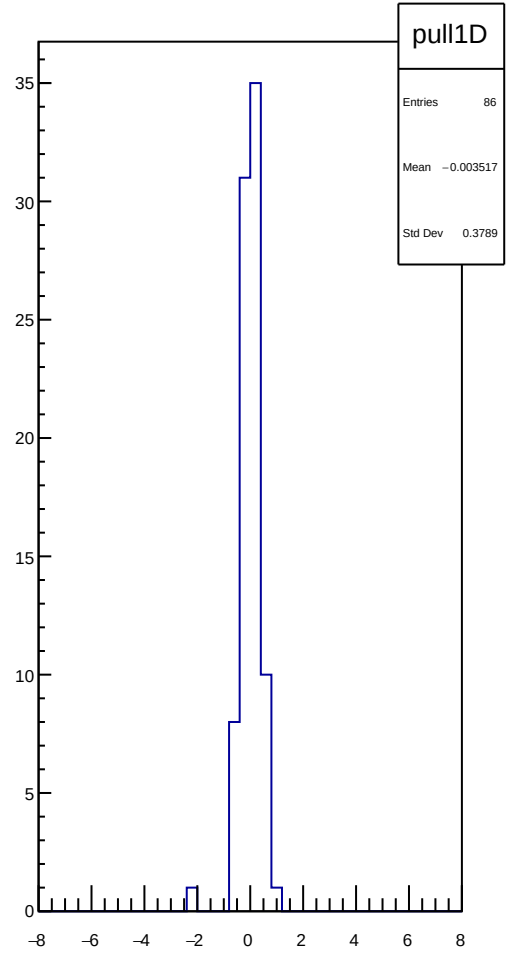

asym_bpm1i06WS_rms vs run
χ^2 / ndf 2.247e+04 / 85
p0 135 ± 0.1056
300
250
200
150
100

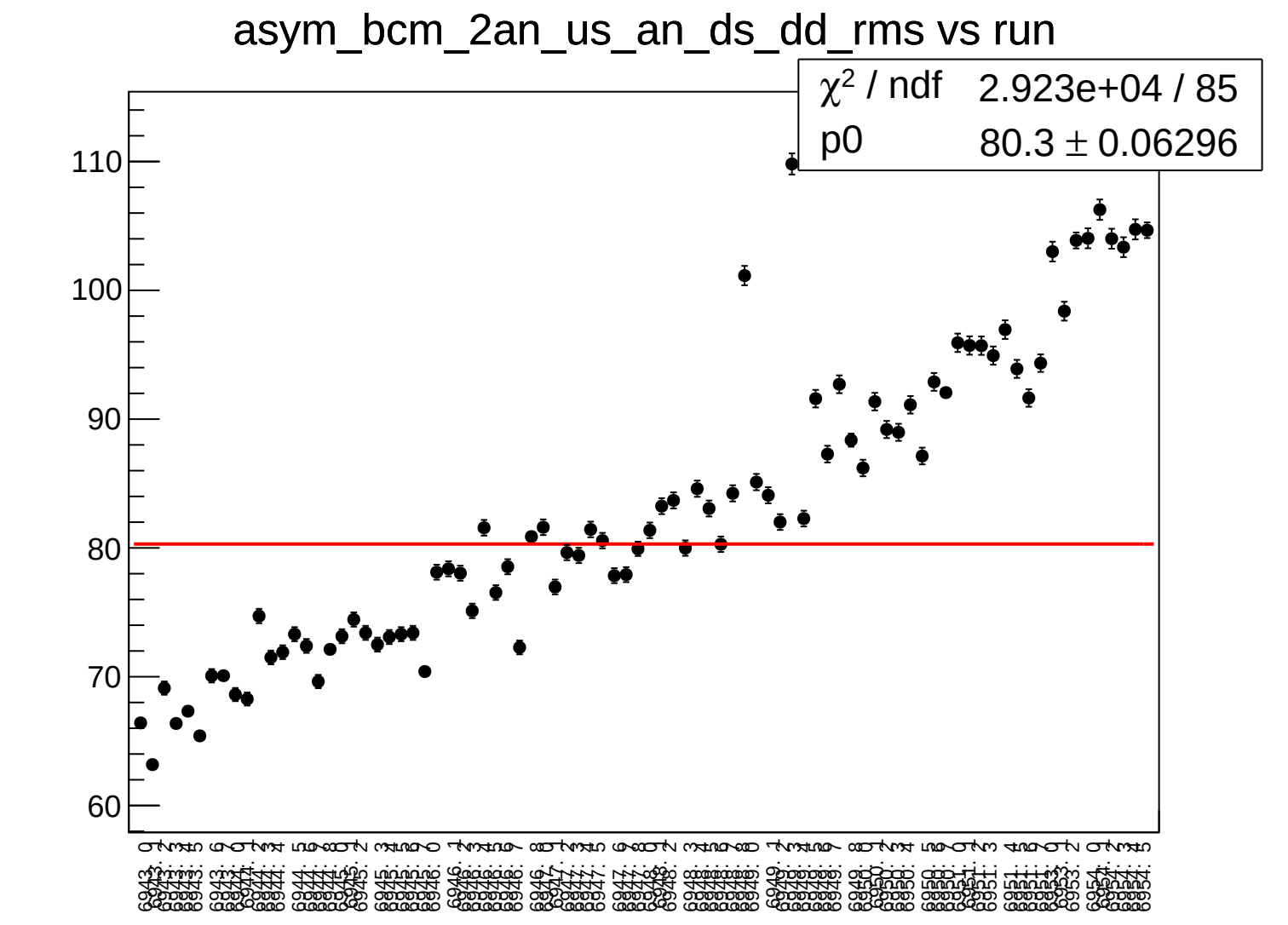

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 11.89 / 85
p0 −52.19 ± 261.5
pull
Entries 86
Mean −511.7
Std Dev 0

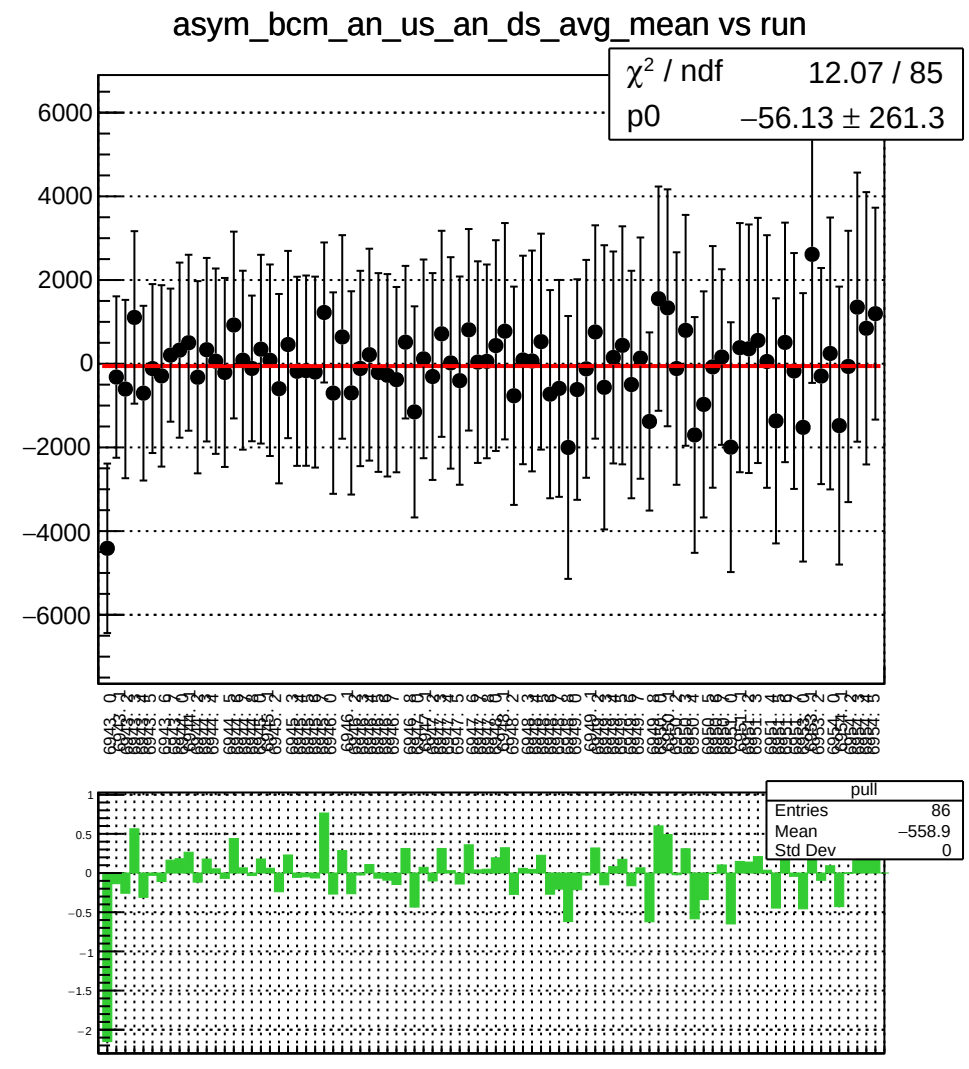

pull1D
Entries 86
Mean −0.001823
Std Dev 0.3719

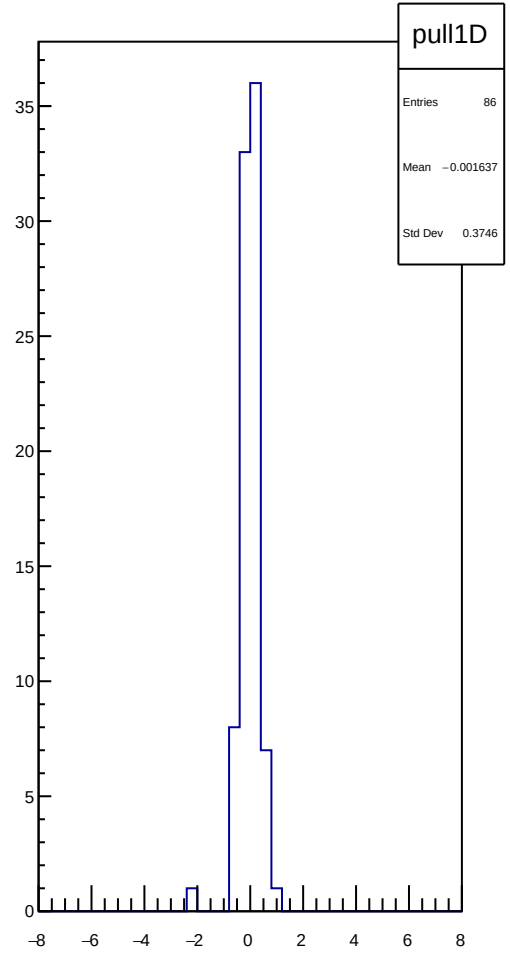

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.083e+04 / 85
p0 235.8 ± 0.1849
320
300
280
260
240
220
200
180

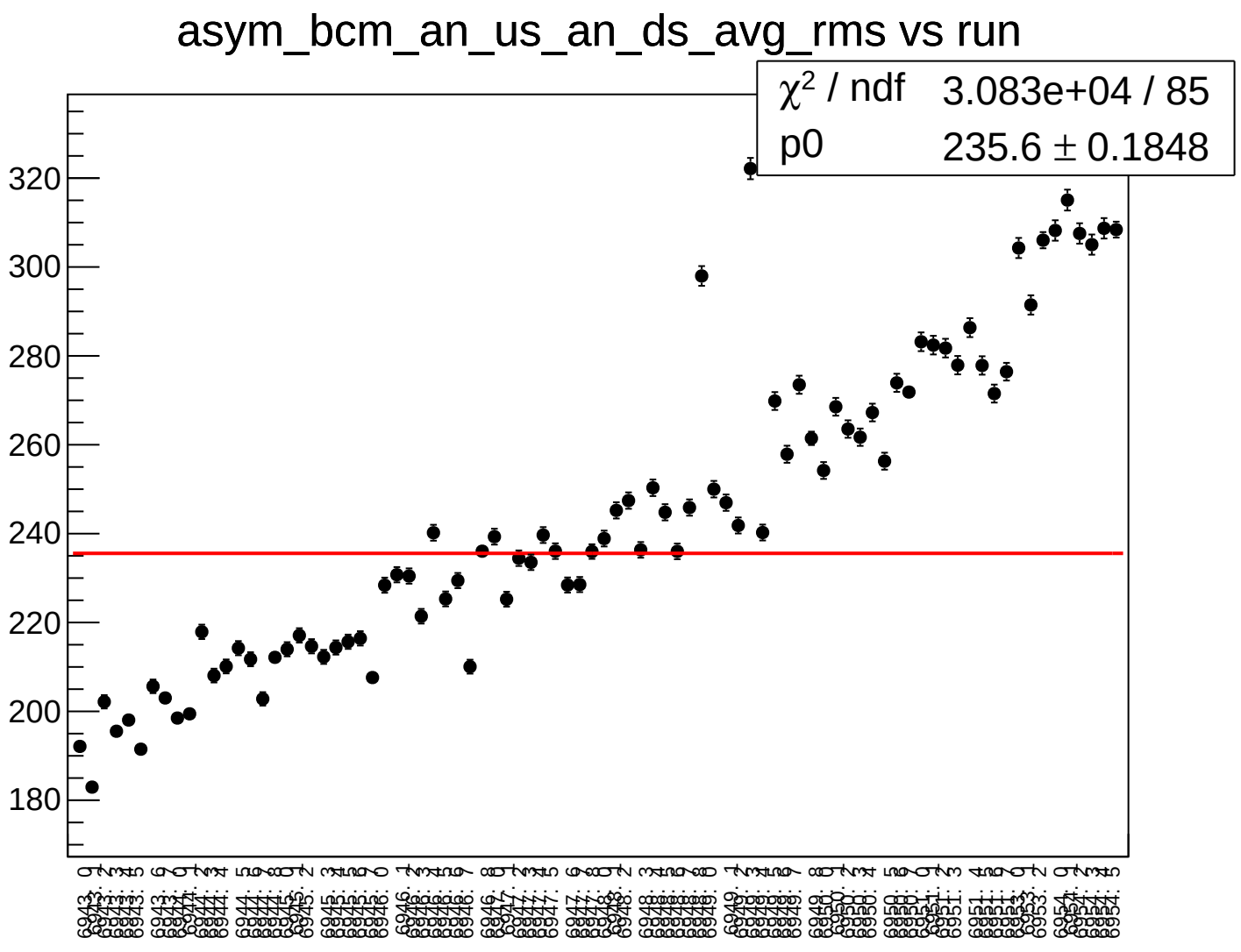

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 12.35 / 85
p0 −6.491 ± 89.03
pull
Entries 86
Mean −295.5
Std Dev 0

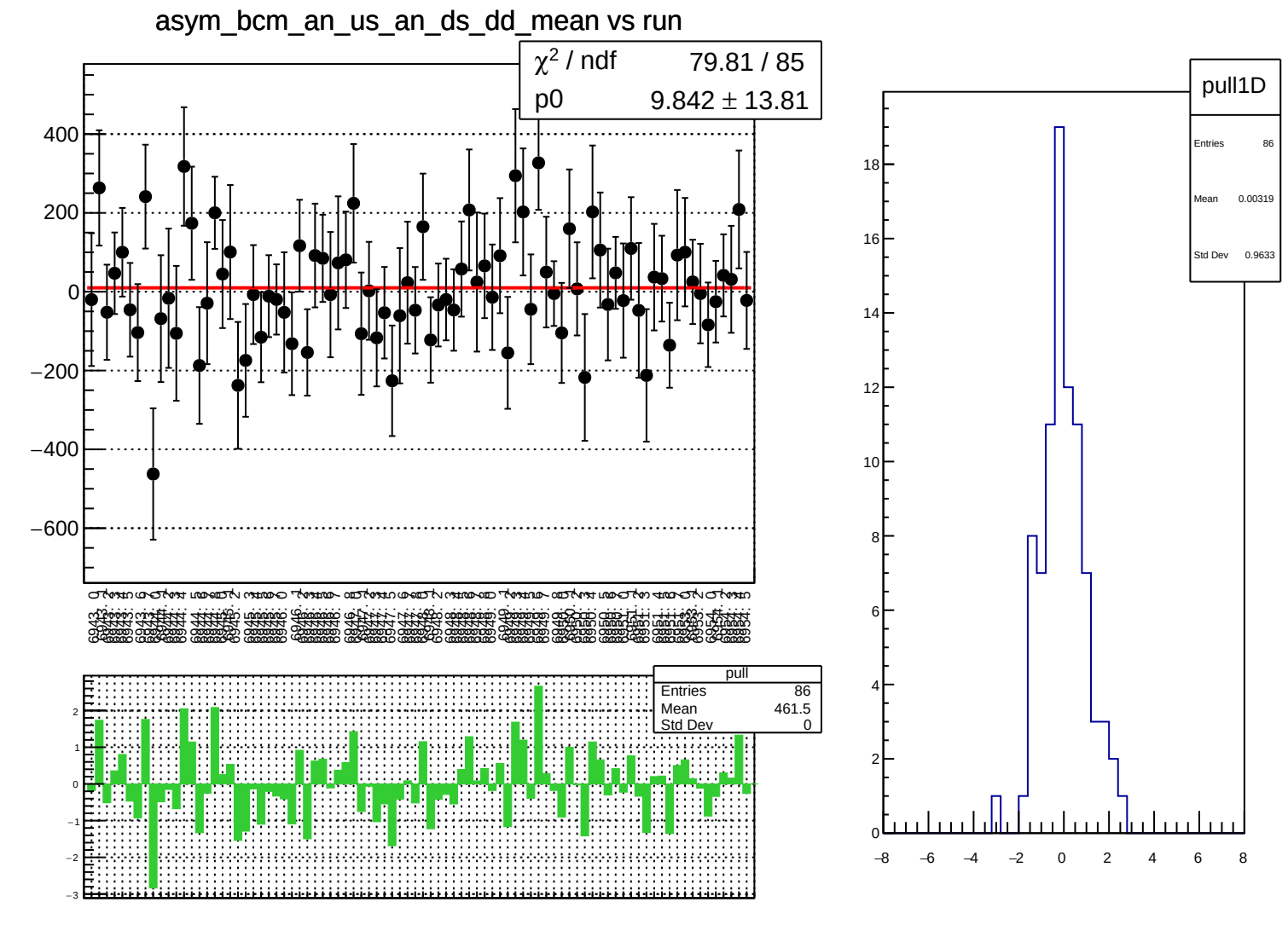

pull1D
Entries 86
Mean −0.003517
Std Dev 0.3789

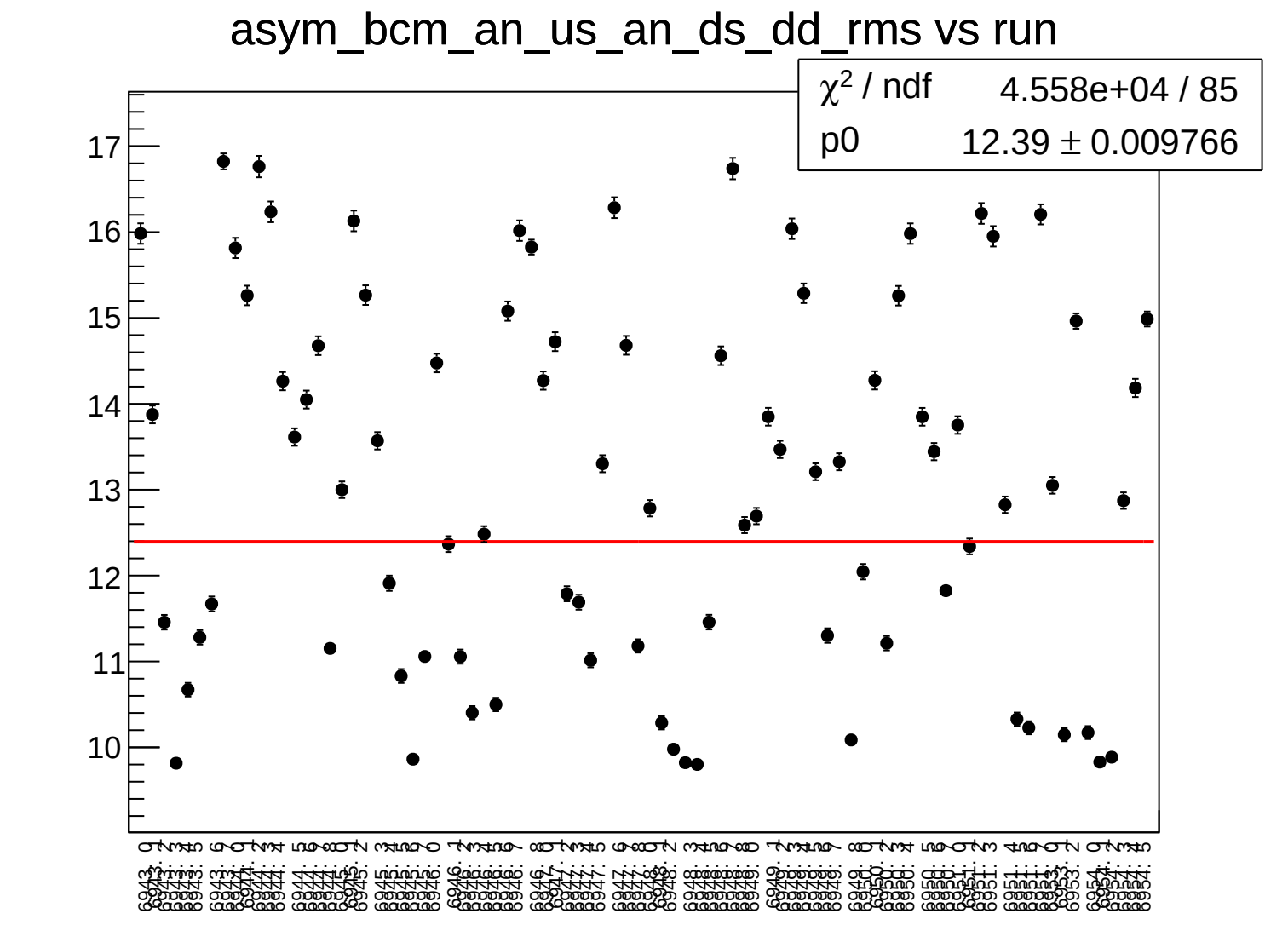

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2.923e+04 / 85
p0 80.3 ± 0.06296
110
100
90
80
70
60

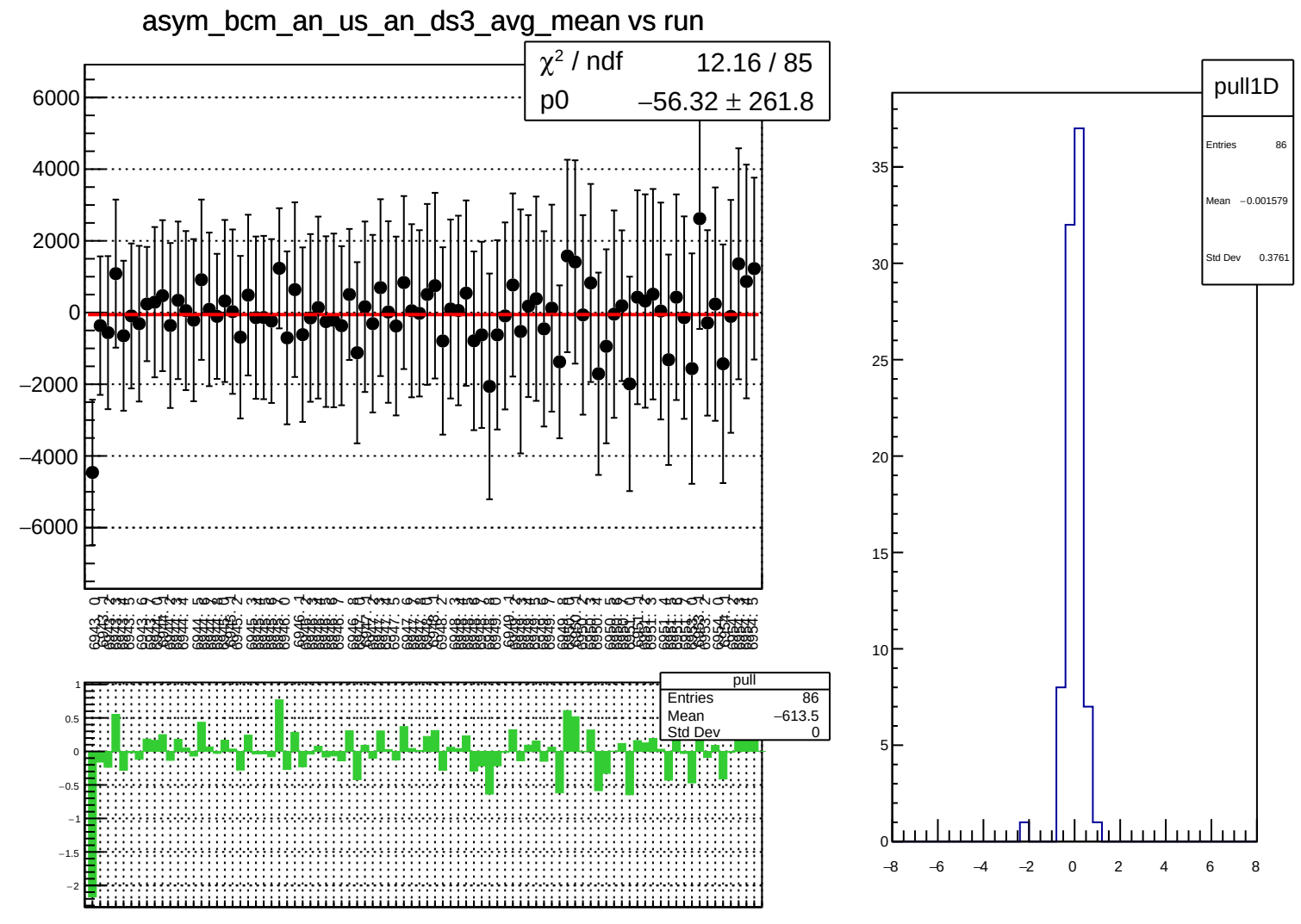

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 12.07 / 85
p0 −56.13 ± 261.3
pull
Entries 86
Mean −558.9
Std Dev 0

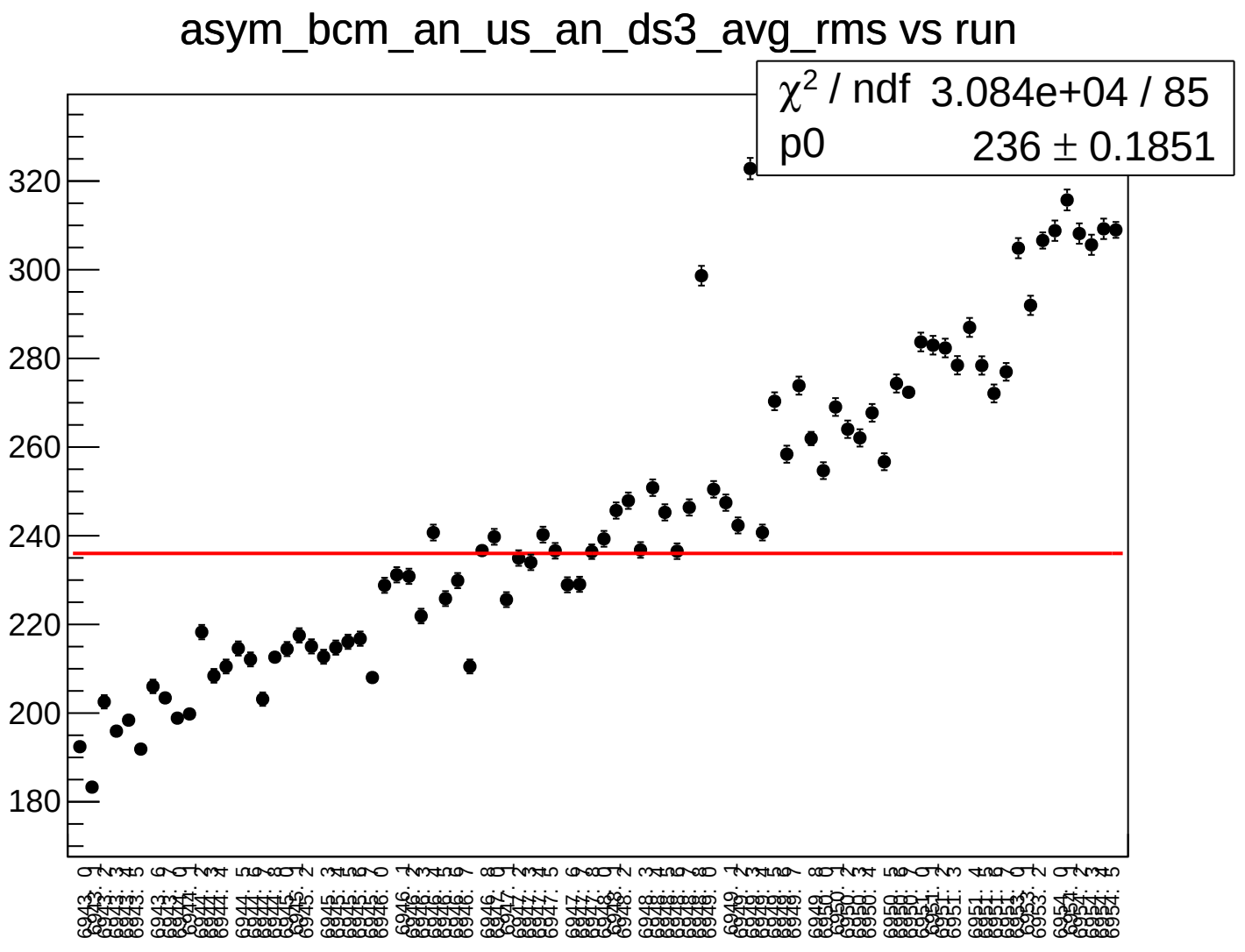

pull1D
Entries 86
Mean −0.001637
Std Dev 0.3746

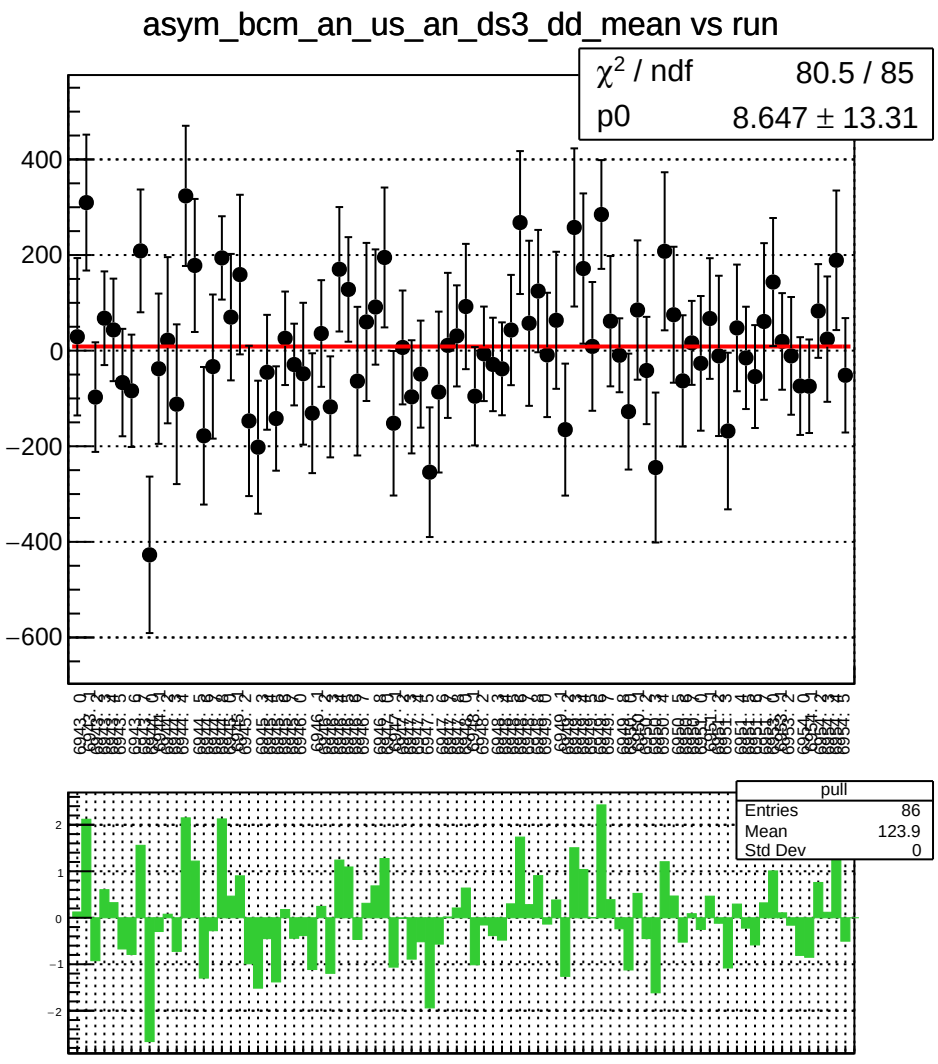

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.083e+04 / 85
p0 235.6 ± 0.1848
320
300
280
260
240
220
200
180

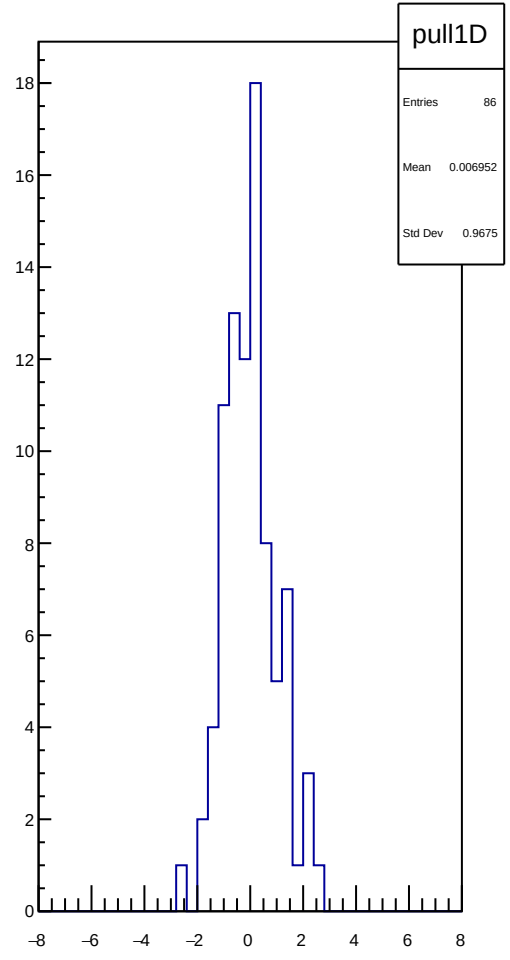

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 79.81 / 85
p0 9.842 ± 13.81
400
200
0
−200
−400
−600
pull
Entries 86
Mean 461.5
Std Dev 0
pull1D
Entries 86
Mean 0.00319
Std Dev 0.9633

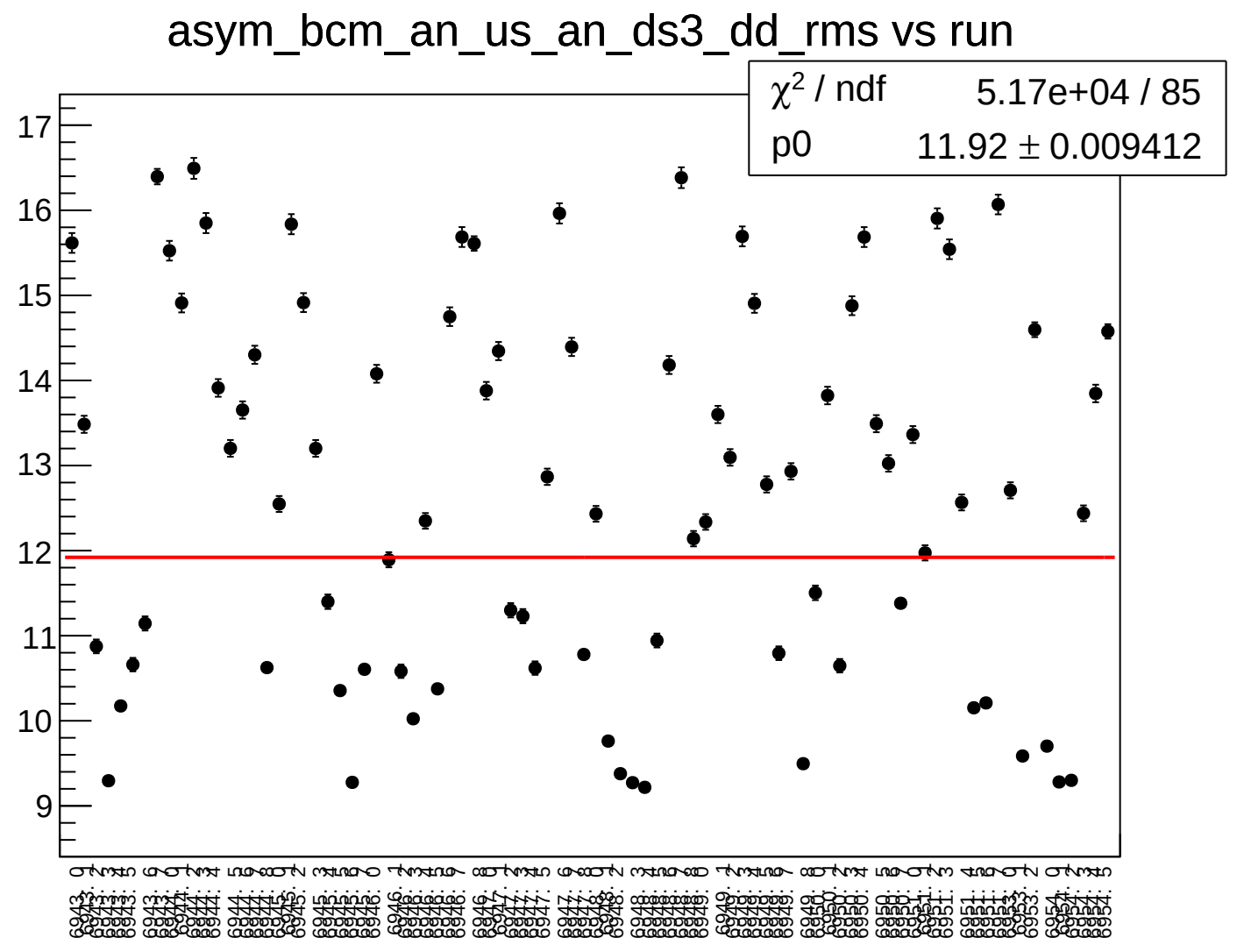

asym_bcm_an_us_an_ds_dd_rms vs run
χ^2 / ndf 4.558e+04 / 85
p0 12.39 ± 0.009766
17
16
15
14
13
12
11
10

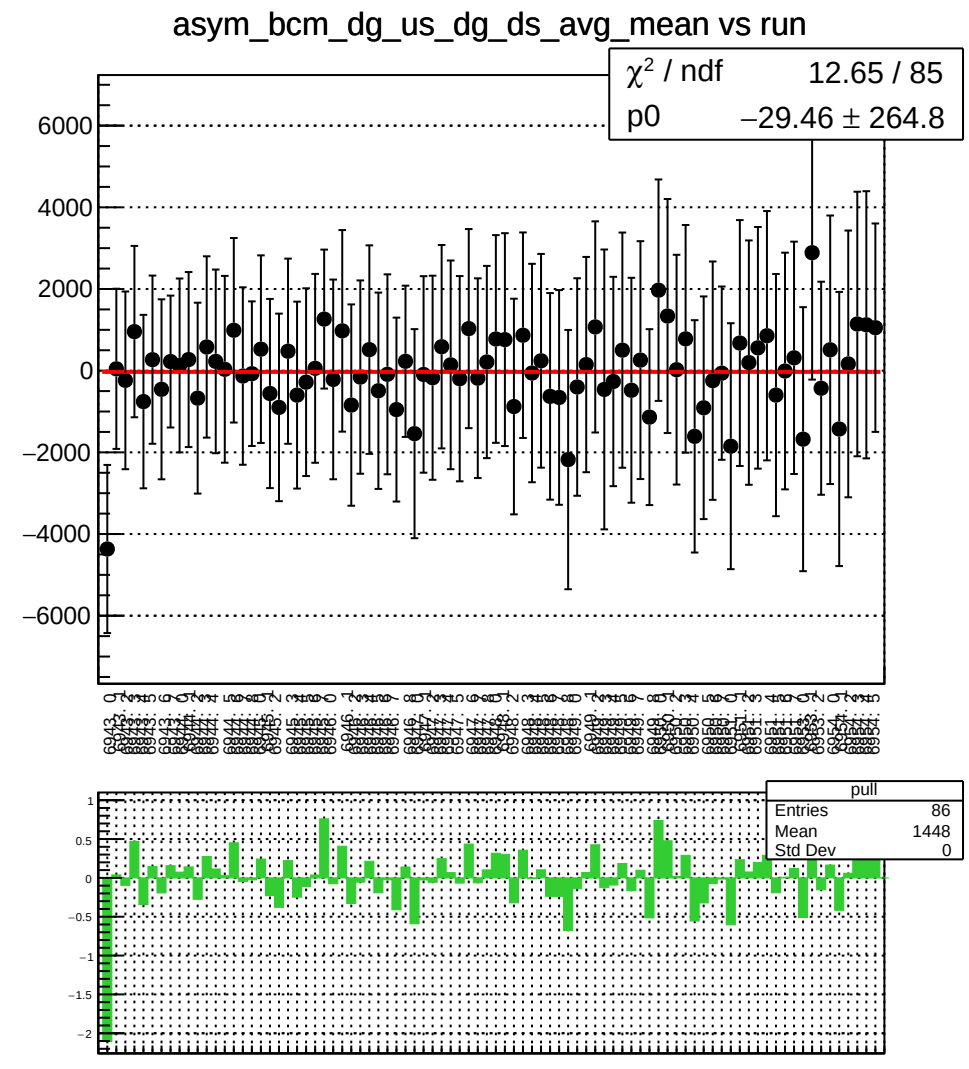

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 12.16 / 85
p0 −56.32 ± 261.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −613.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.001579
Std Dev 0.3761
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

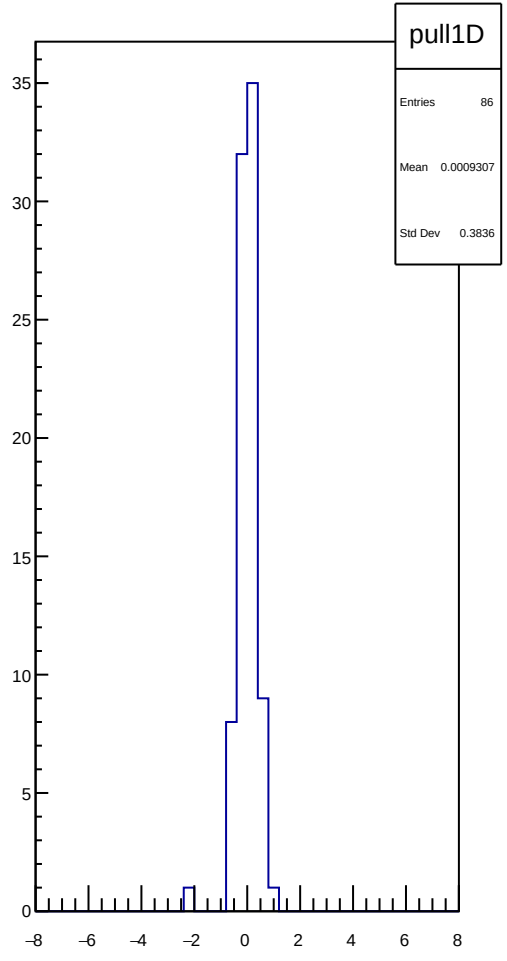

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.084e+04 / 85
p0 236 ± 0.1851
320
300
280
260
240
220
200
180

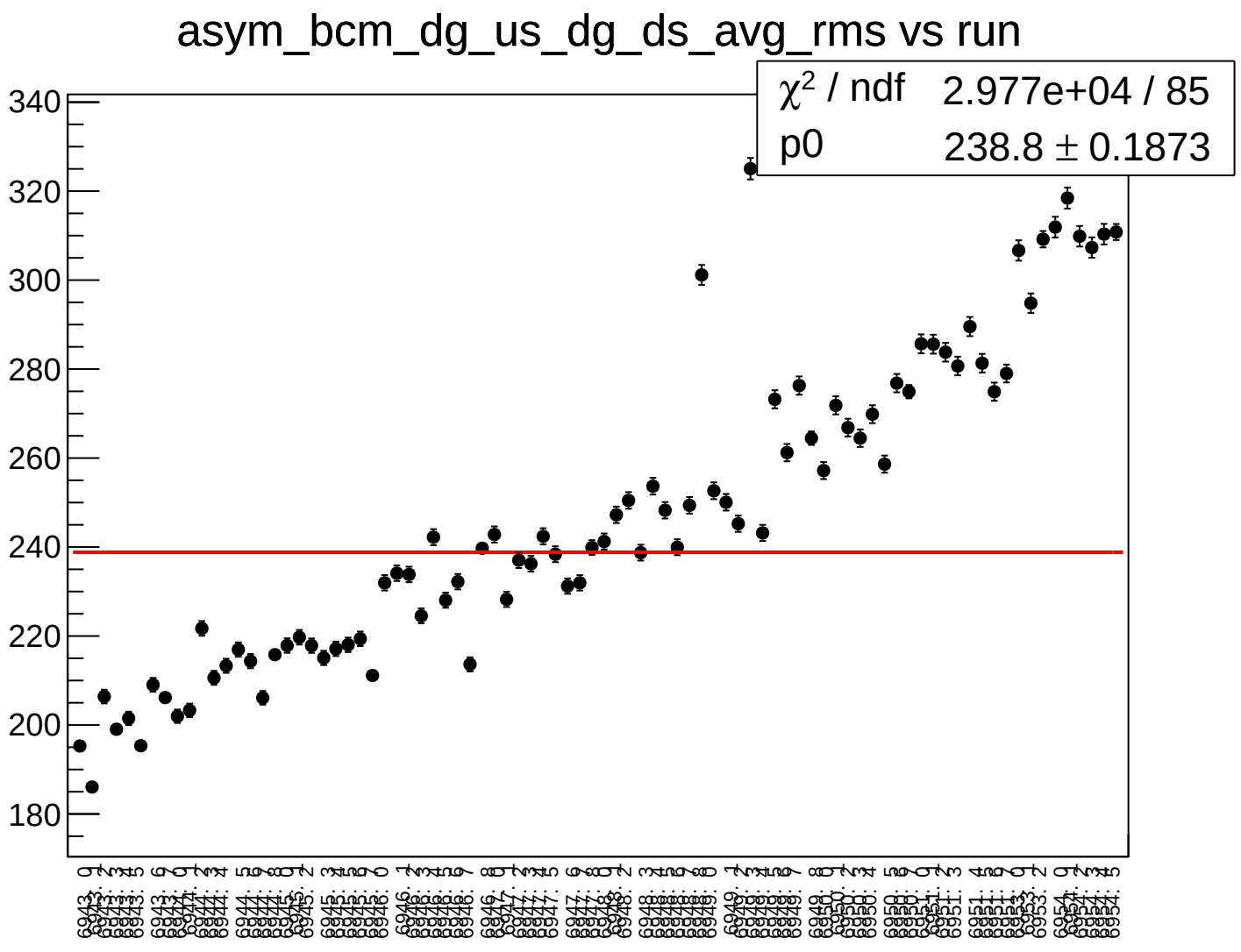

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 80.5 / 85
p0 8.647 ± 13.31
400
200
0
−200
−400
−600
pull
Entries 86
Mean 123.9
Std Dev 0
2
1
0
−1
−2

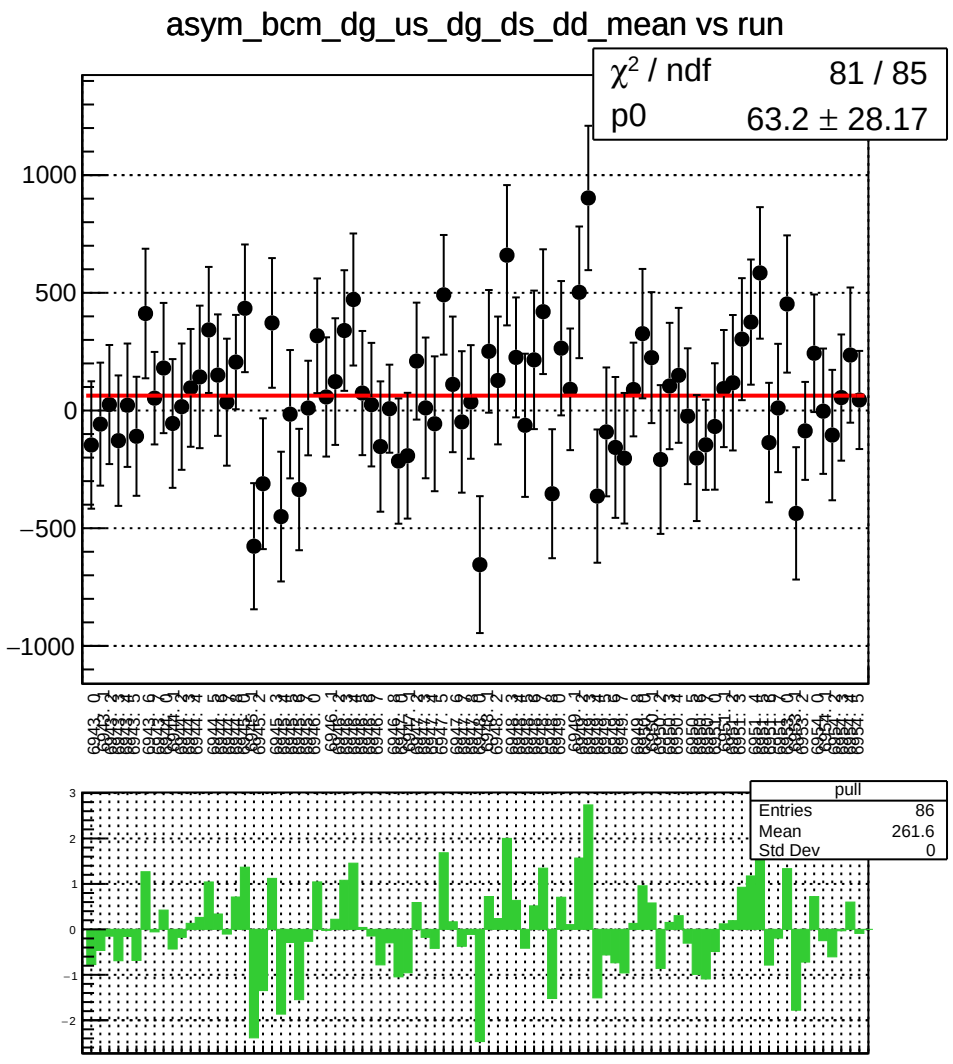

pull1D
Entries 86
Mean 0.006952
Std Dev 0.9675
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

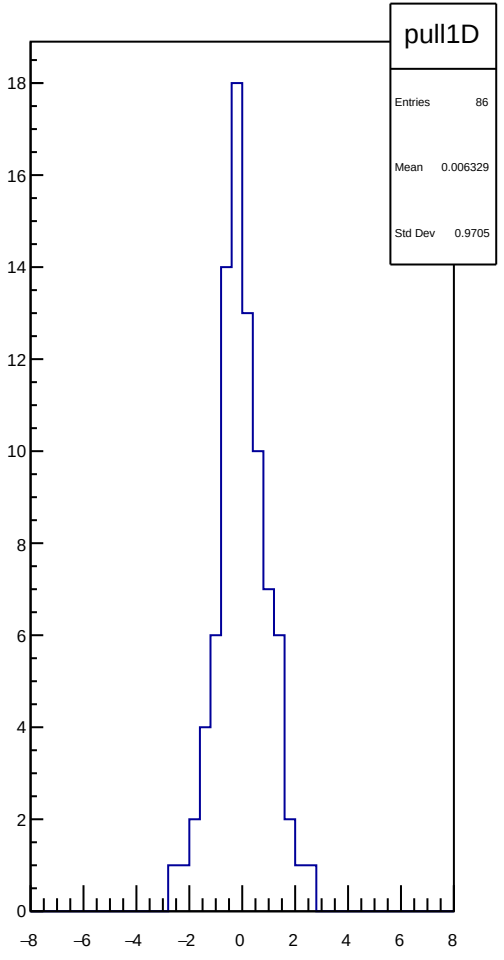

asym_bcm_an_us_an_ds3_dd_rms vs run
χ^2 / ndf 5.17e+04 / 85
p0 11.92 ± 0.009412
17
16
15
14
13
12
11
10
9

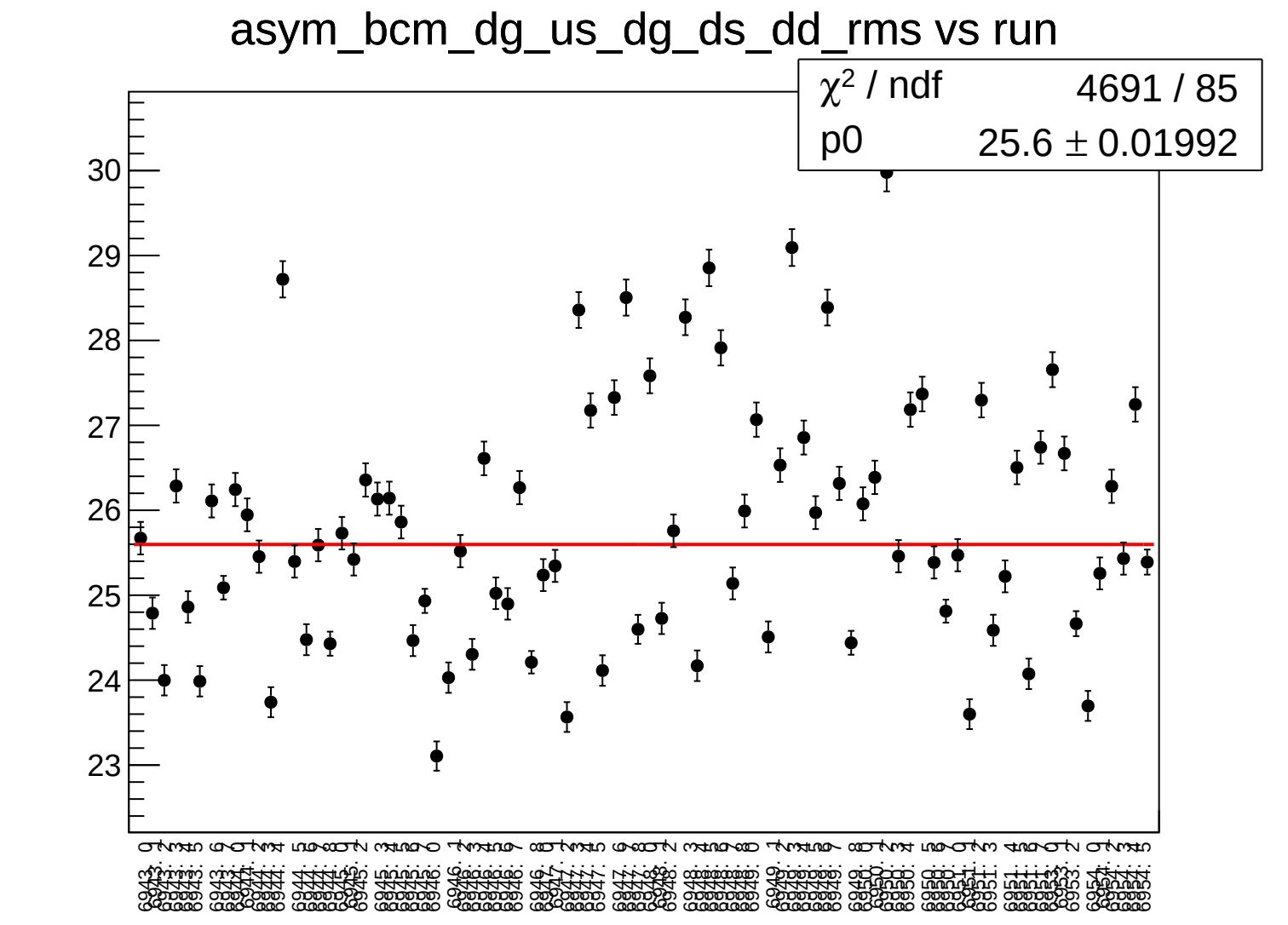

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 12.65 / 85
p0 −29.46 ± 264.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 1448
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

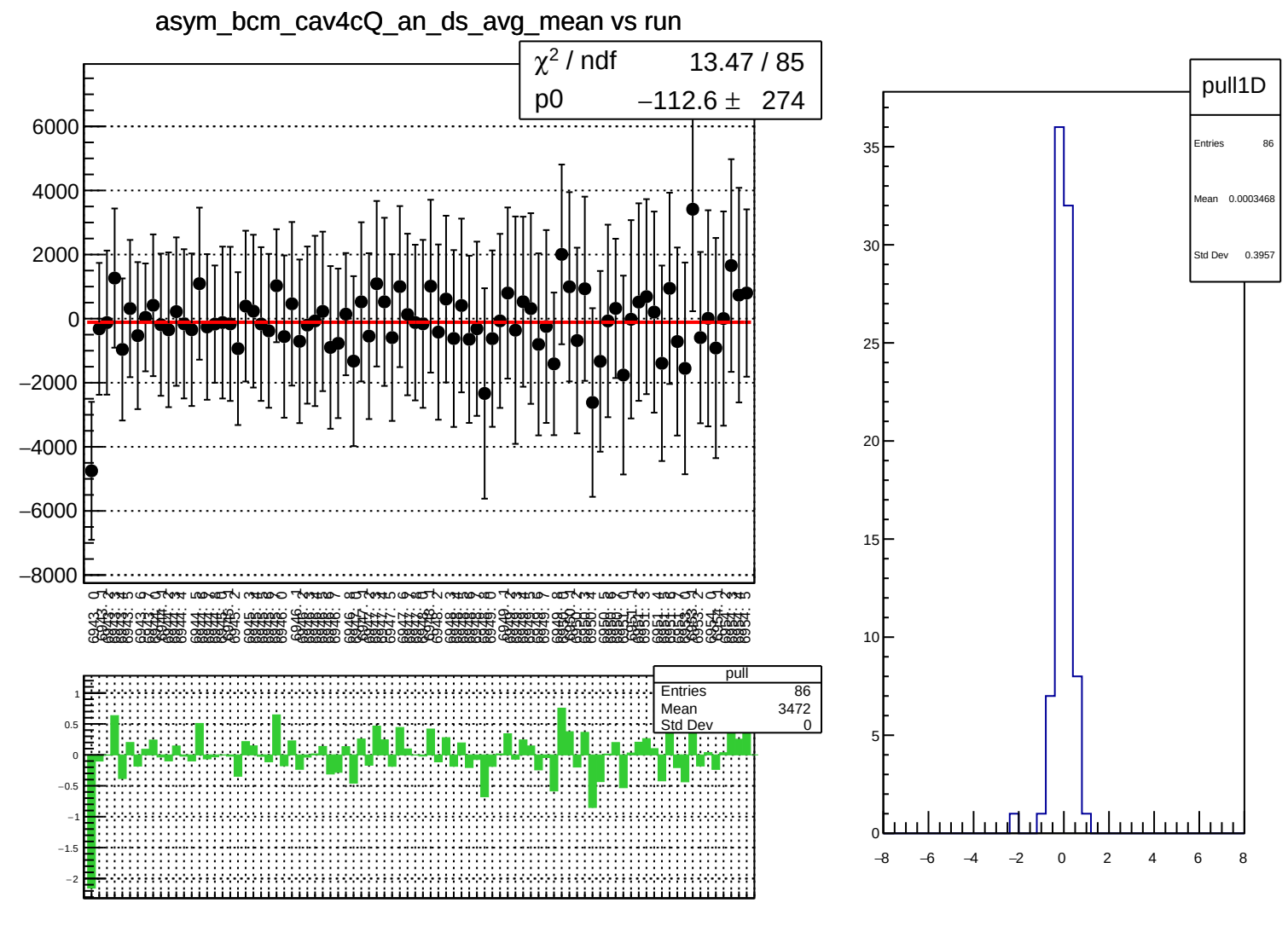

pull1D
Entries 86
Mean 0.0009307
Std Dev 0.3836
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

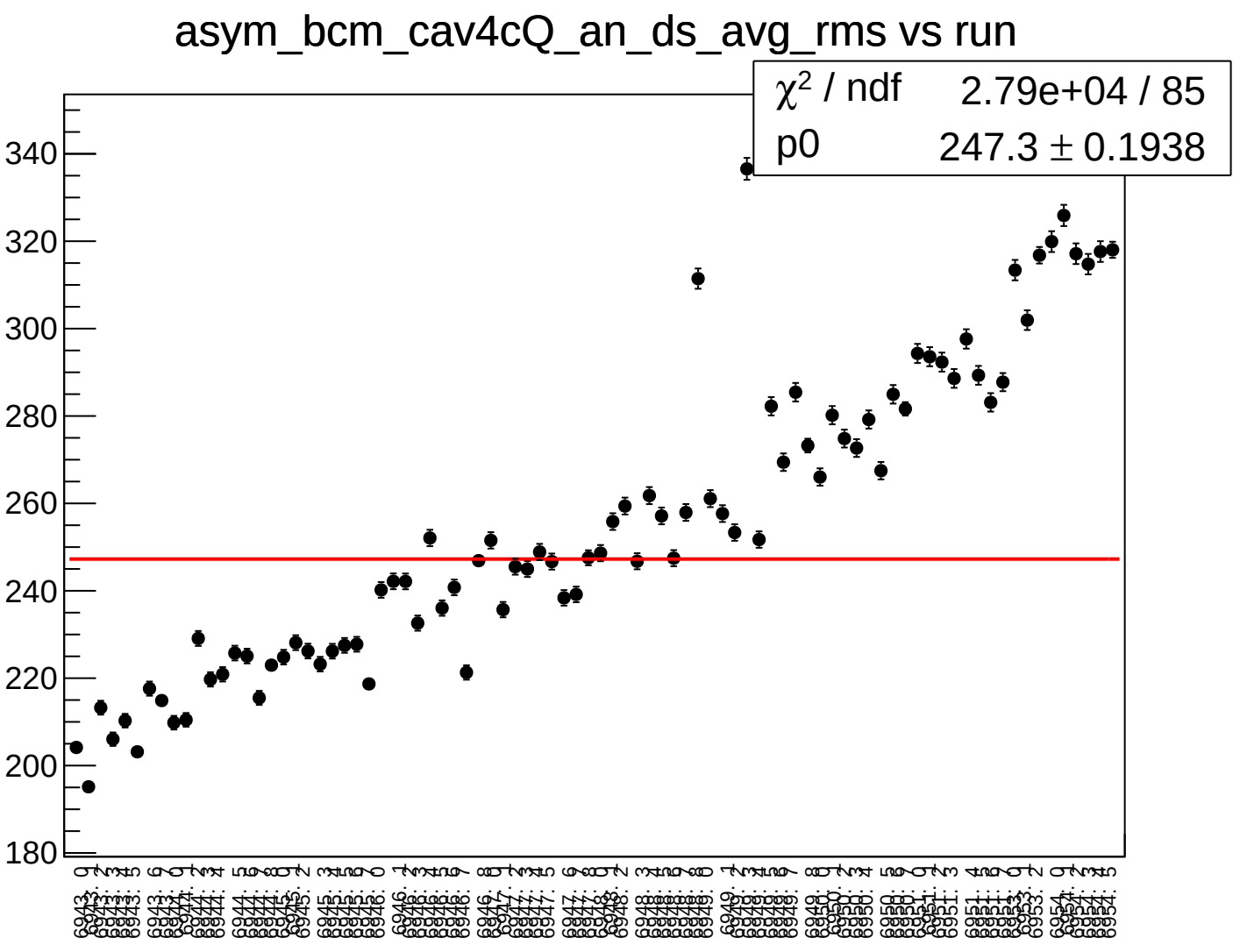

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2.977e+04 / 85
p0 238.8 ± 0.1873
340
320
300
280
260
240
220
200
180

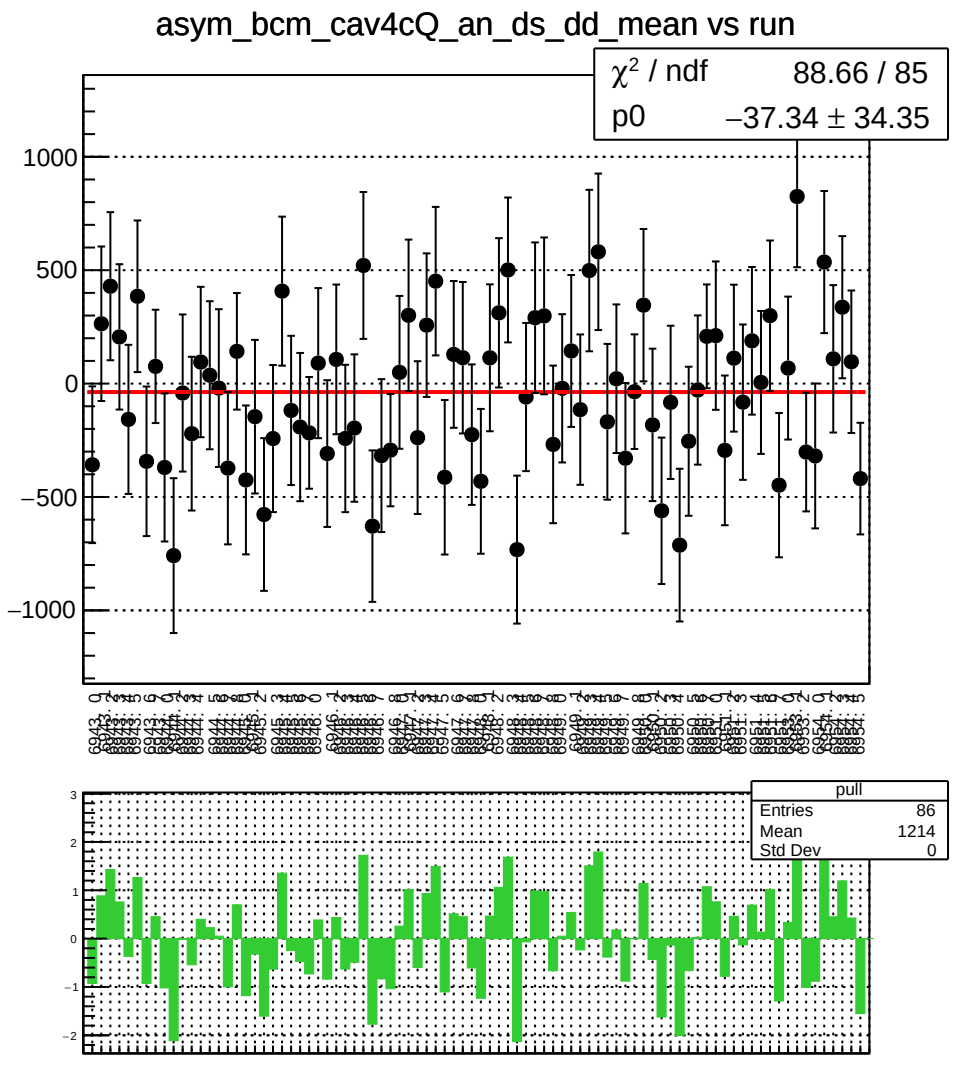

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 81 / 85
p0 63.2 ± 28.17
1000
500
0
−500
−1000
pull
Entries 86
Mean 261.6
Std Dev 0
3
2
1
0
−1
−2

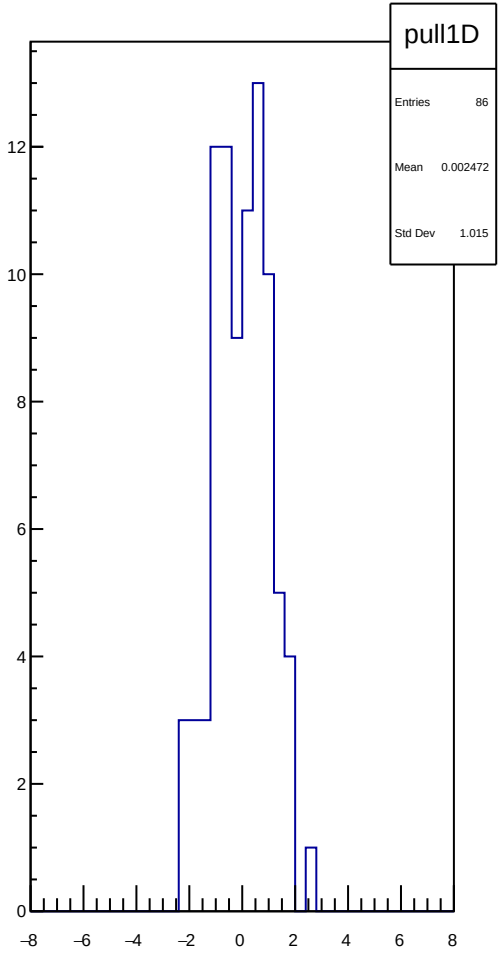

pull1D
Entries 86
Mean 0.006329
Std Dev 0.9705
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

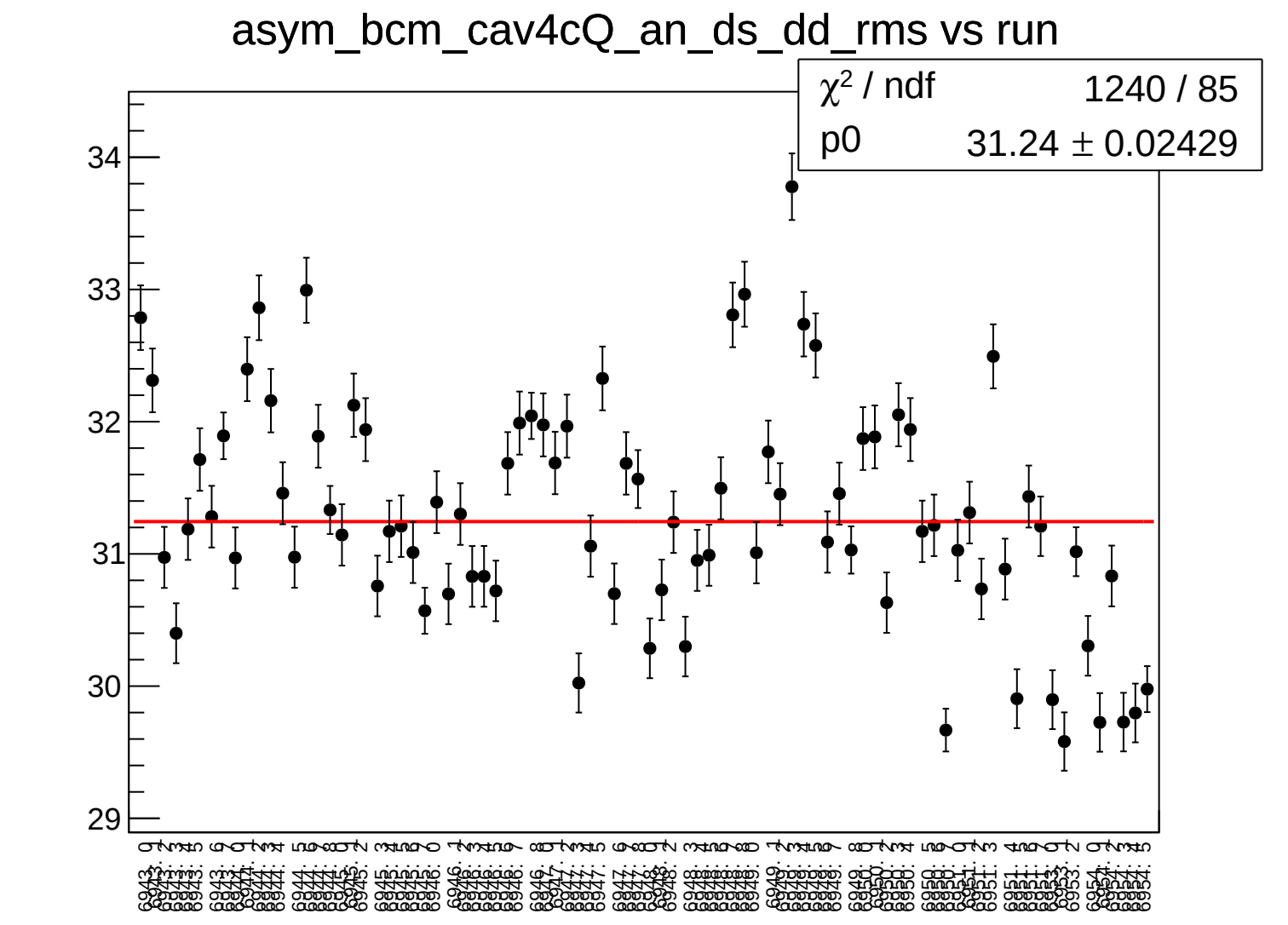

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 4691 / 85
p0 25.6 ± 0.01992
30
29
28
27
26
25
24
23

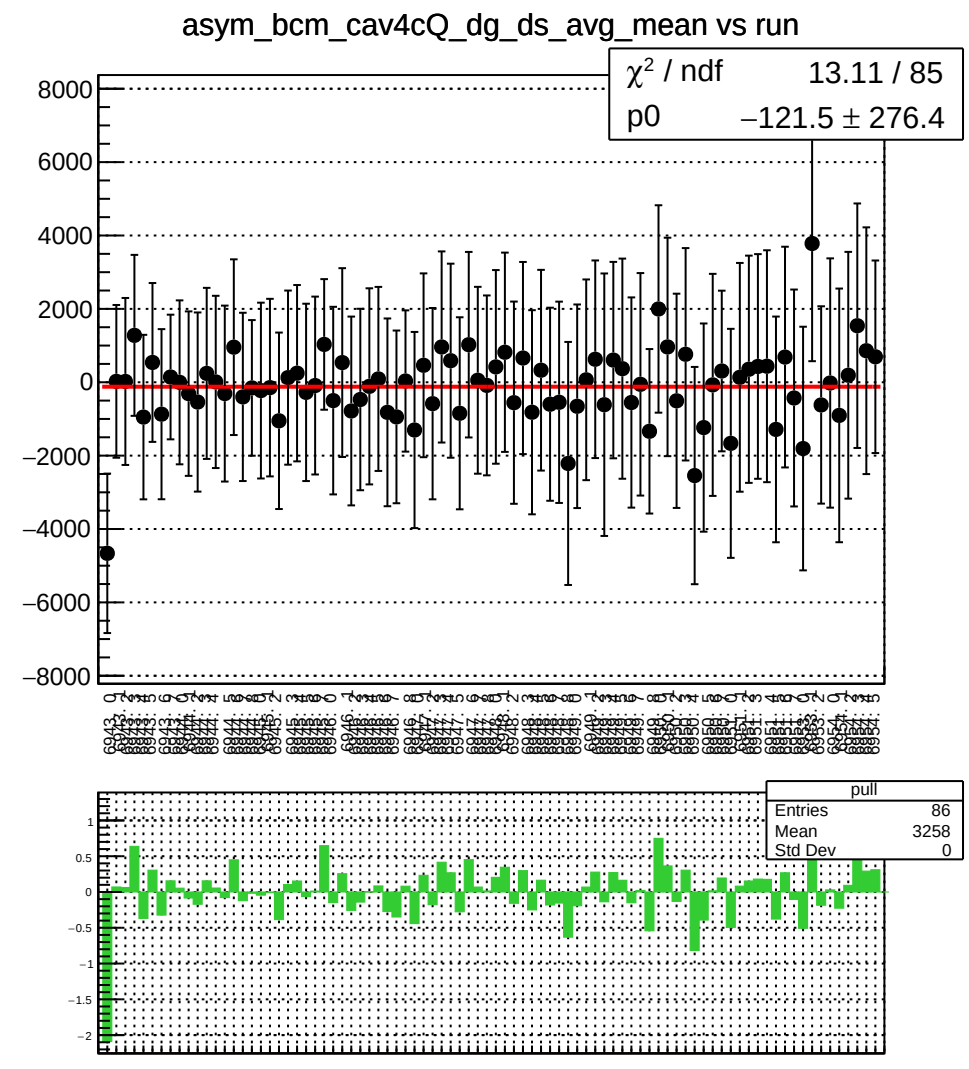

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 13.47 / 85
p0 −112.6 ± 274
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 3472
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.0003468
Std Dev 0.3957
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

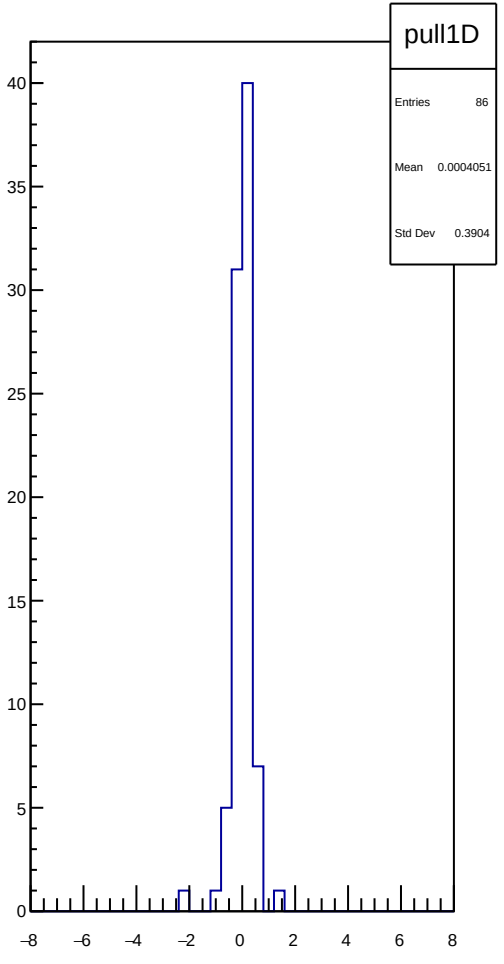

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 2.79e+04 / 85
p0 247.3 ± 0.1938
340
320
300
280
260
240
220
200
180


asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 88.66 / 85
p0 −37.34 ± 34.35
1000
500
0
−500
−1000
pull
Entries 86
Mean 1214
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.002472
Std Dev 1.015
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 1240 / 85
p0 31.24 ± 0.02429
34
33
32
31
30
29


asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 13.11 / 85
p0 −121.5 ± 276.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 3258
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 86
Mean 0.0004051
Std Dev 0.3904
40
35
30
25
20
15
10
5
0
−8
−6
−4
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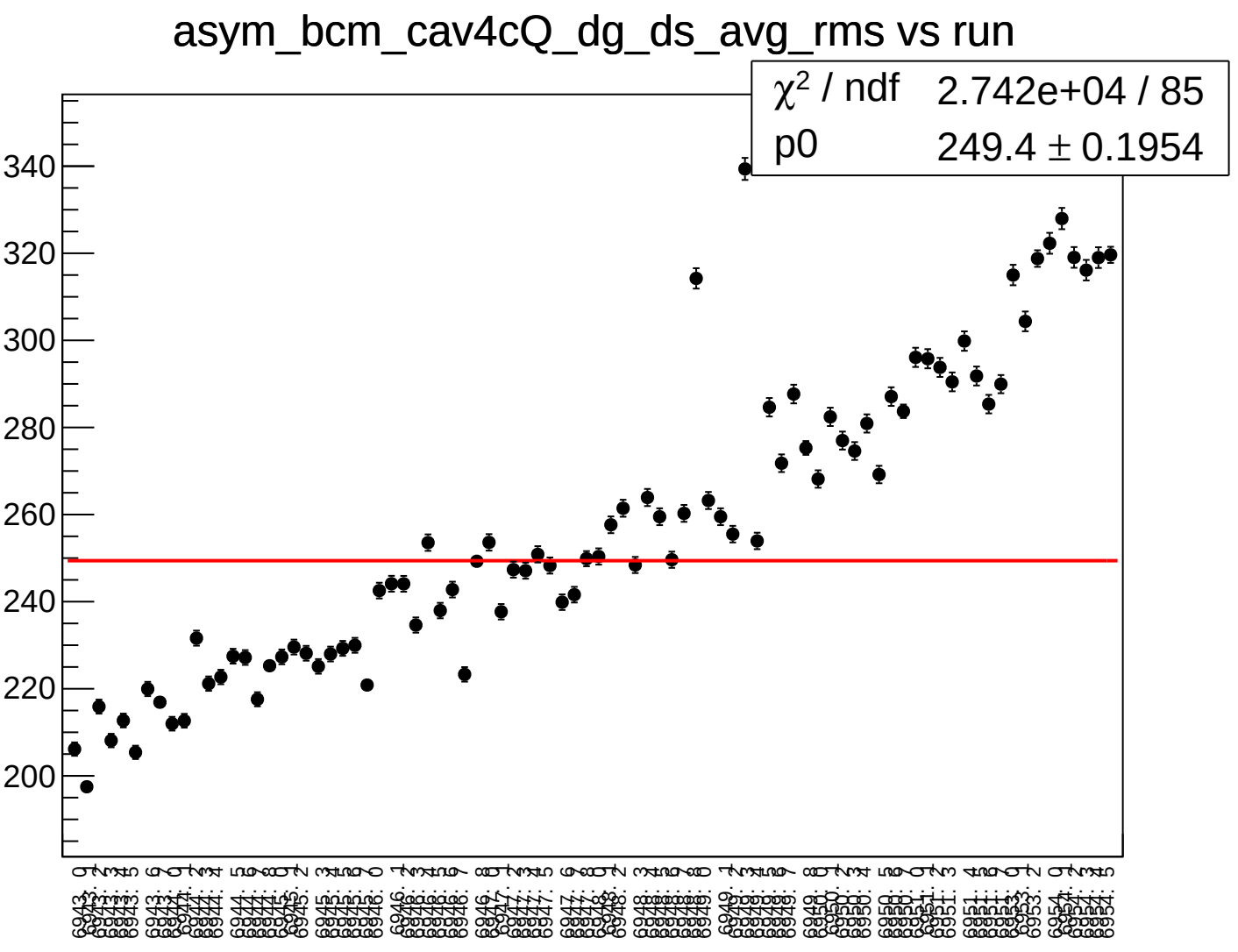
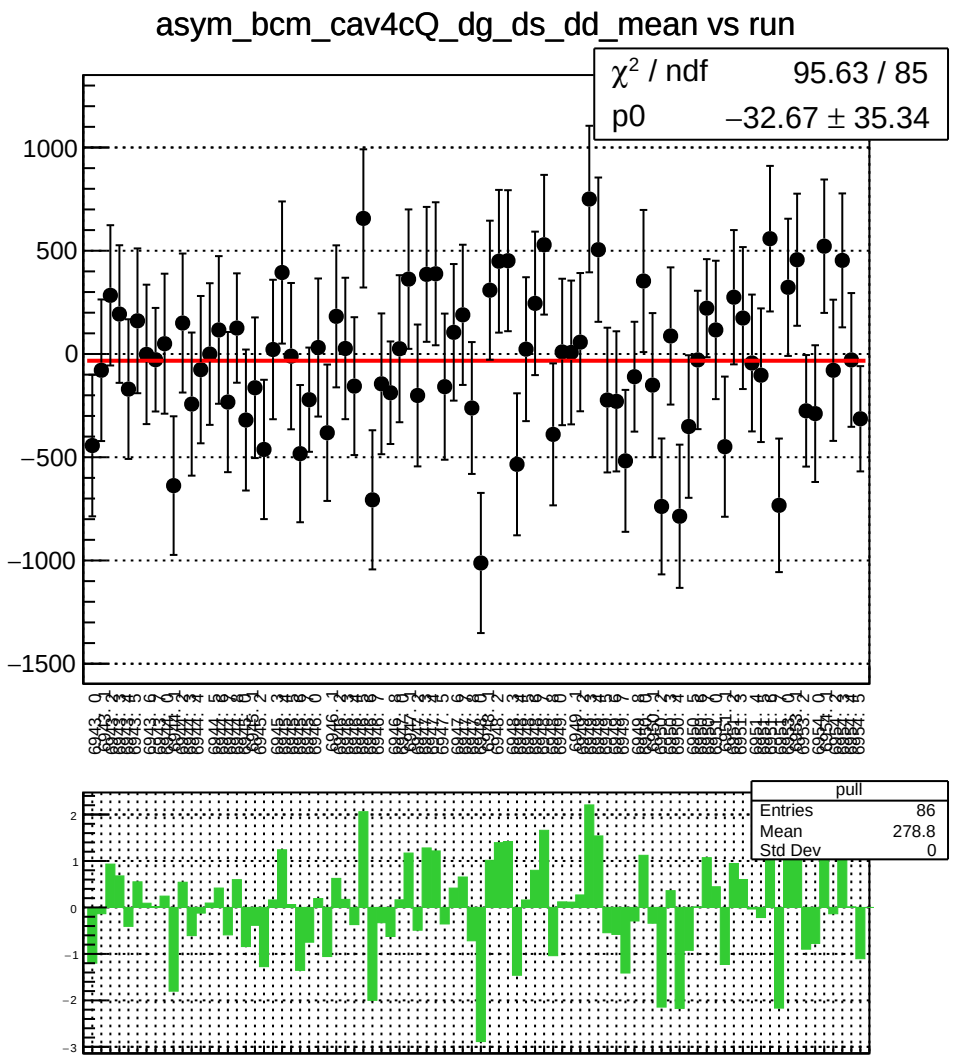
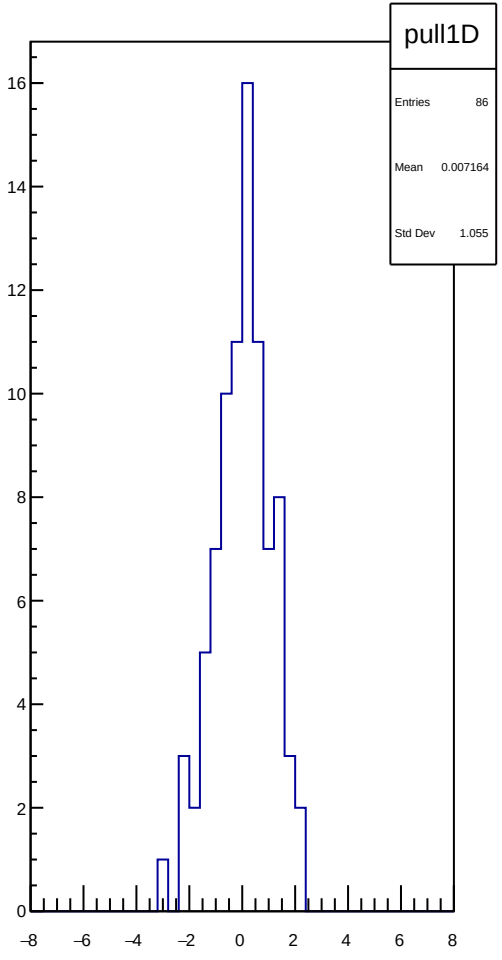
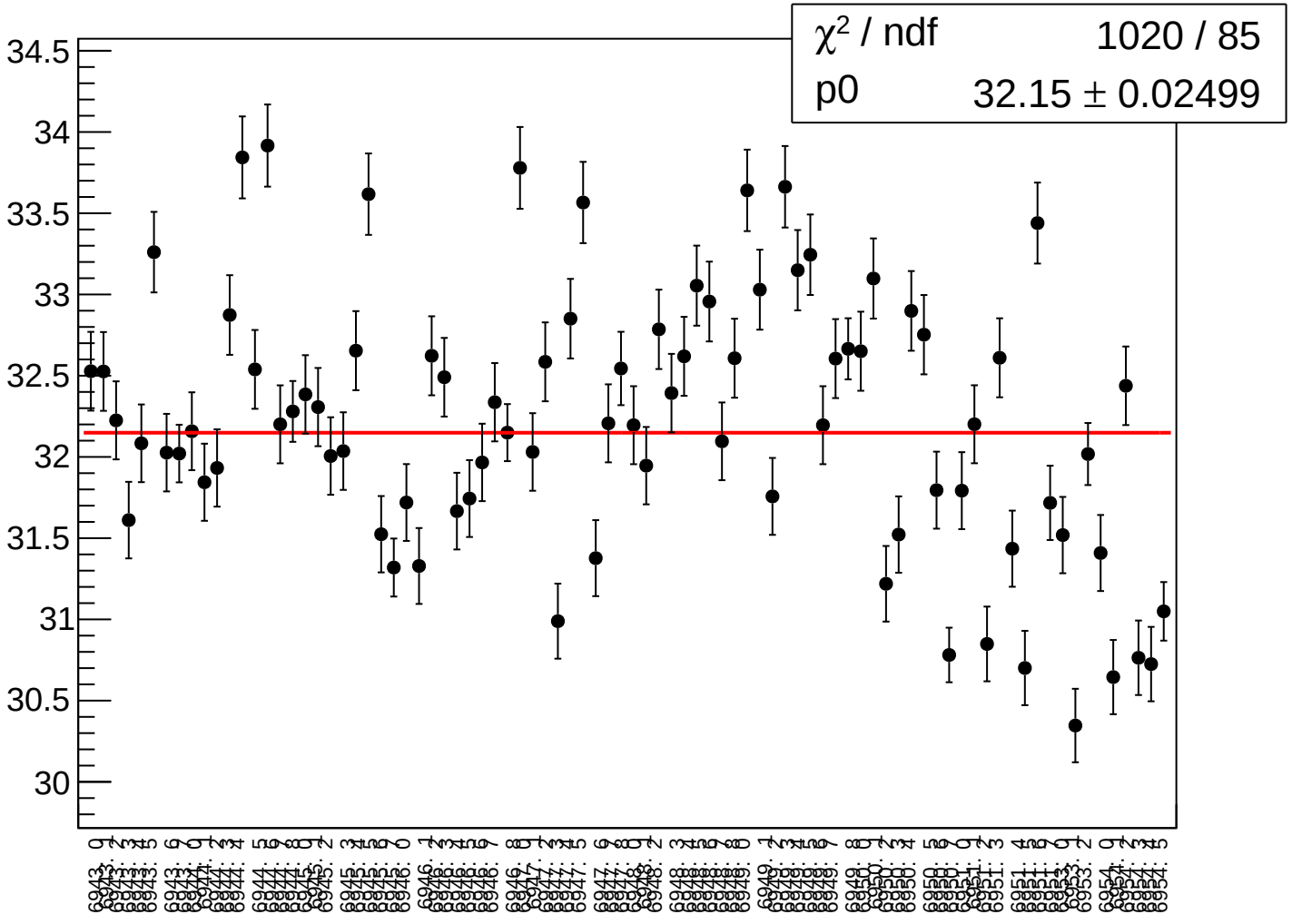
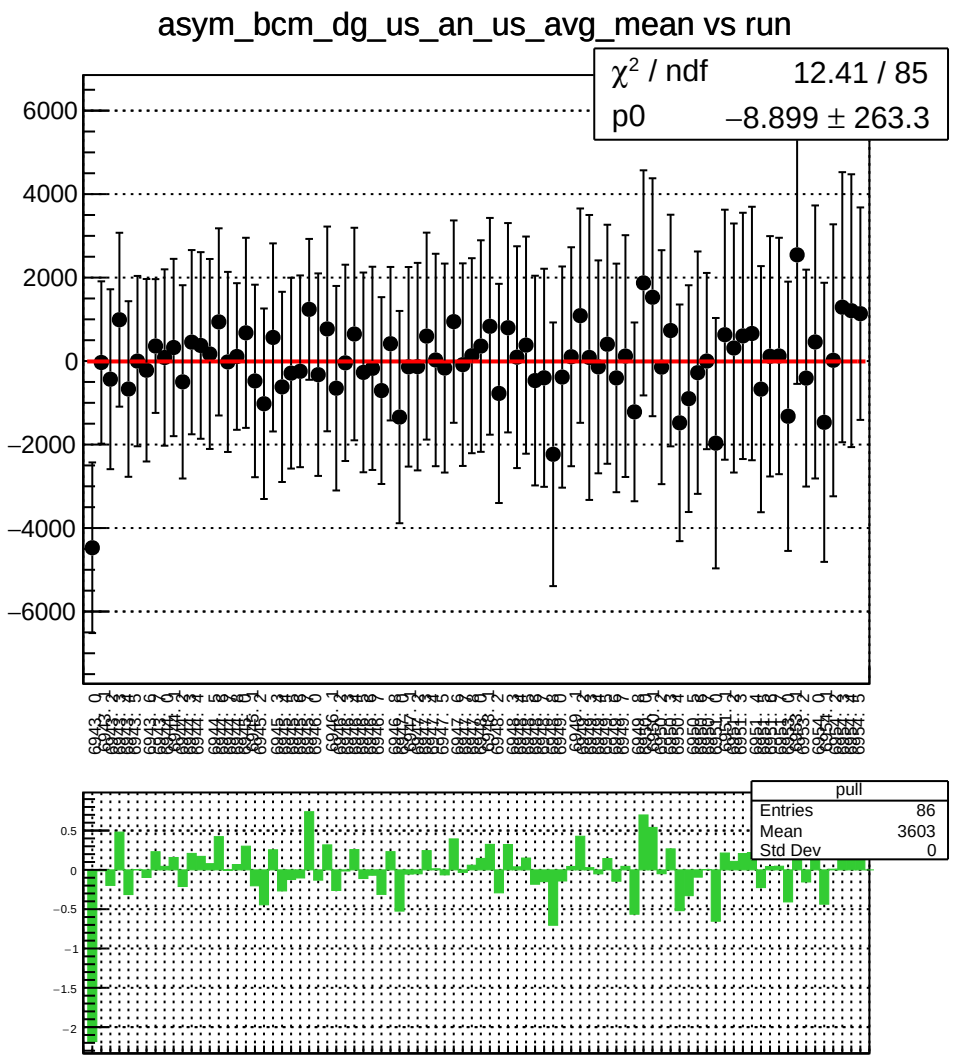
0
2
4
6
8

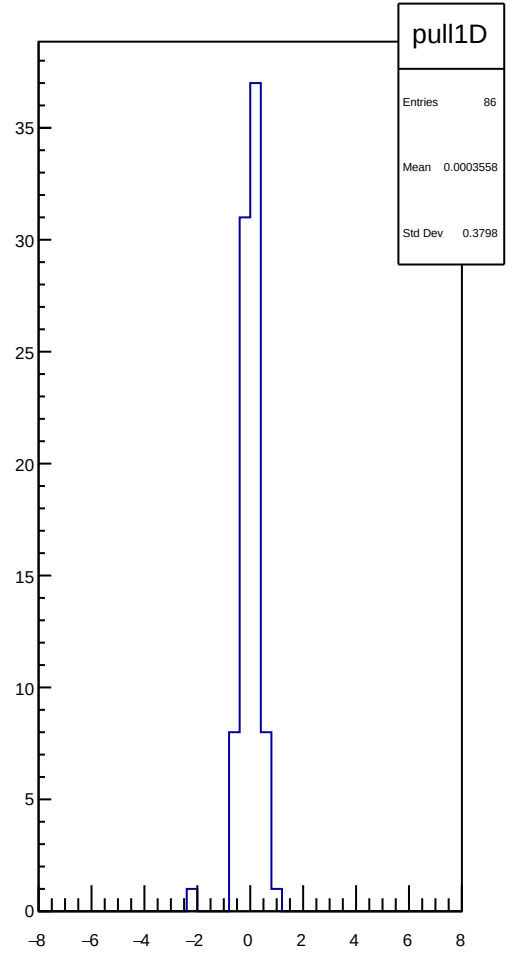

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 2.742e+04 / 85
p0 249.4 ± 0.1954
340
320
300
280
260
240
220
200

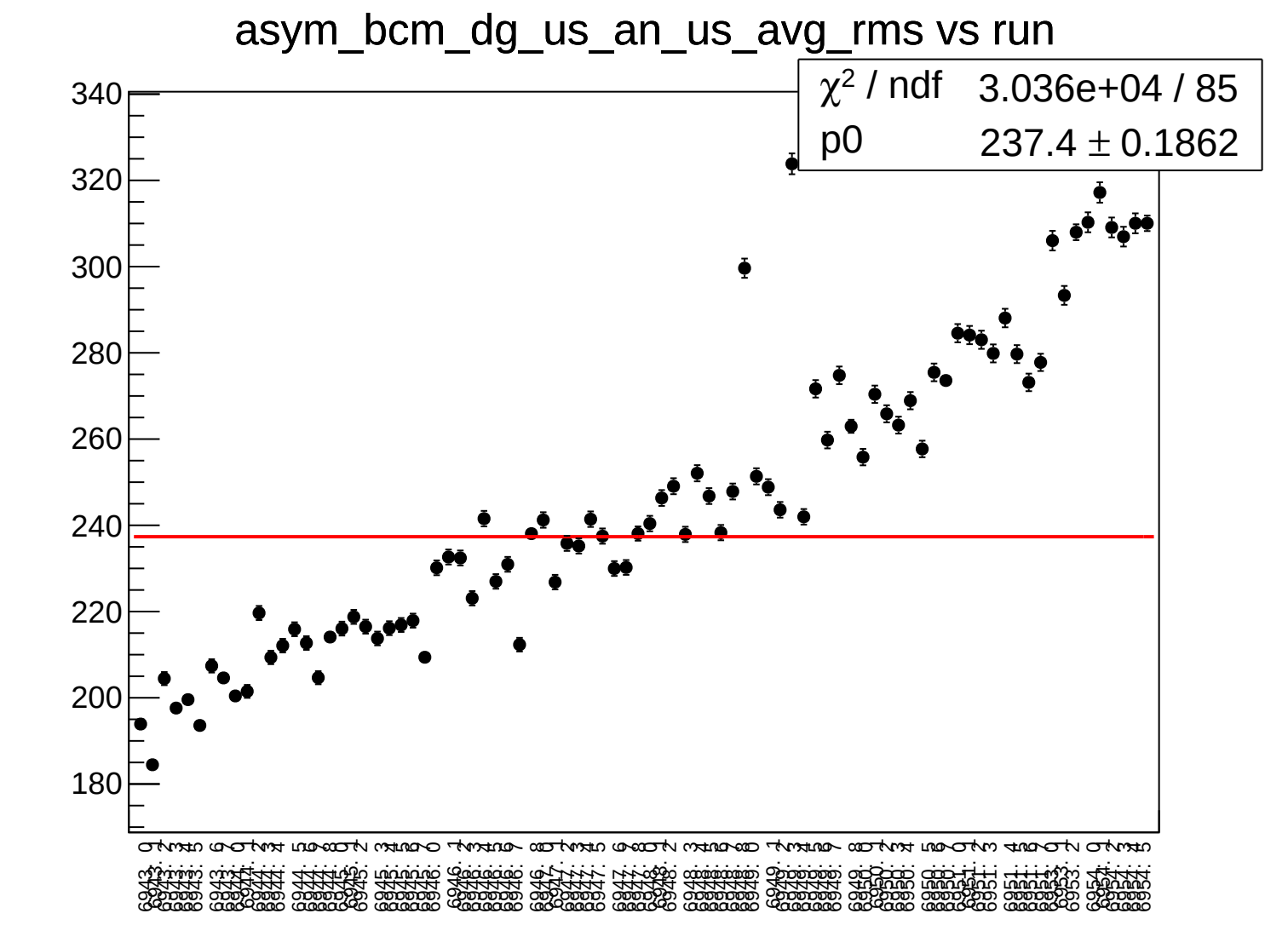

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 95.63 / 85
p0 −32.67 ± 35.34
pull
Entries 86
Mean 278.8
Std Dev 0

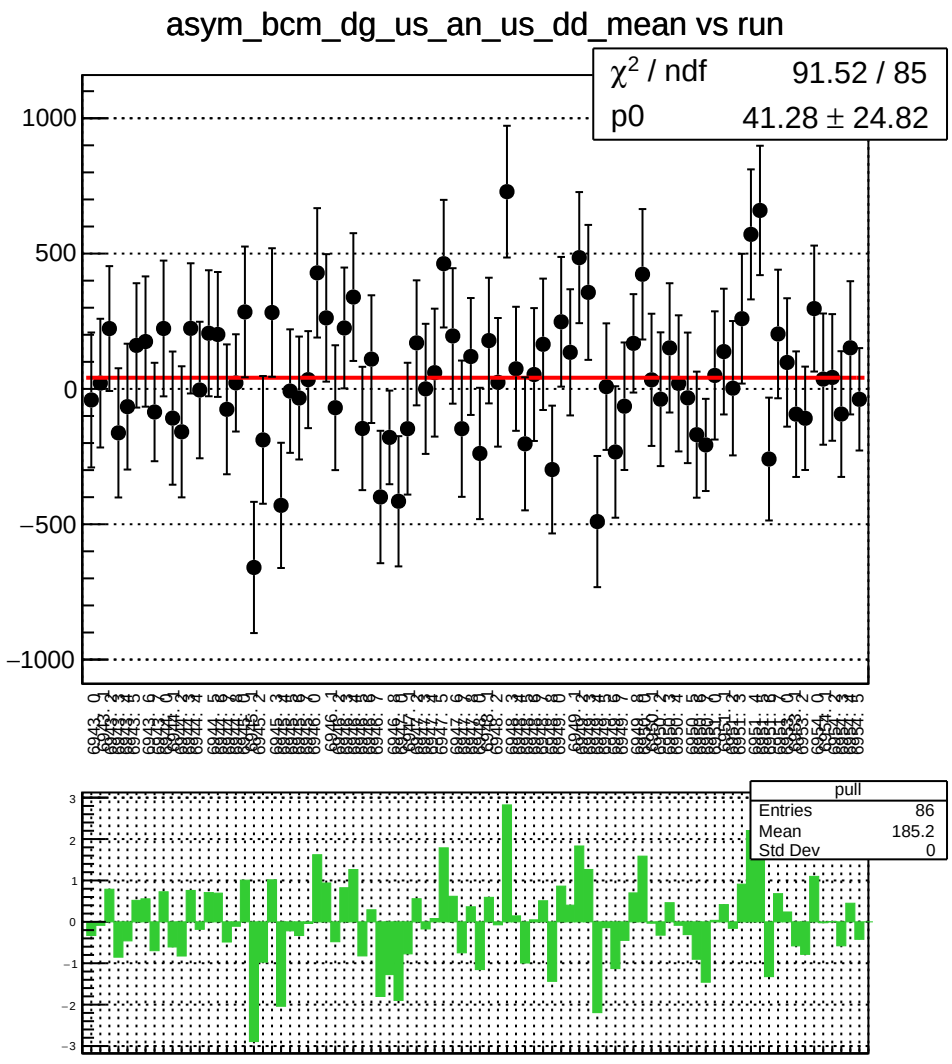

pull1D
Entries 86
Mean 0.007164
Std Dev 1.055

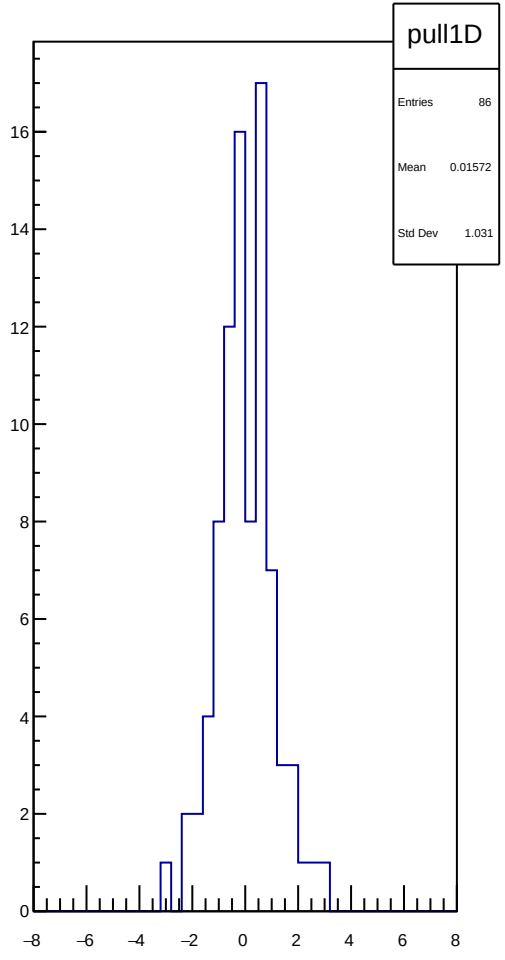

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1020 / 85
p0 32.15 ± 0.02499
34.5
34
33.5
33
32.5
32
31.5
31
30.5
30

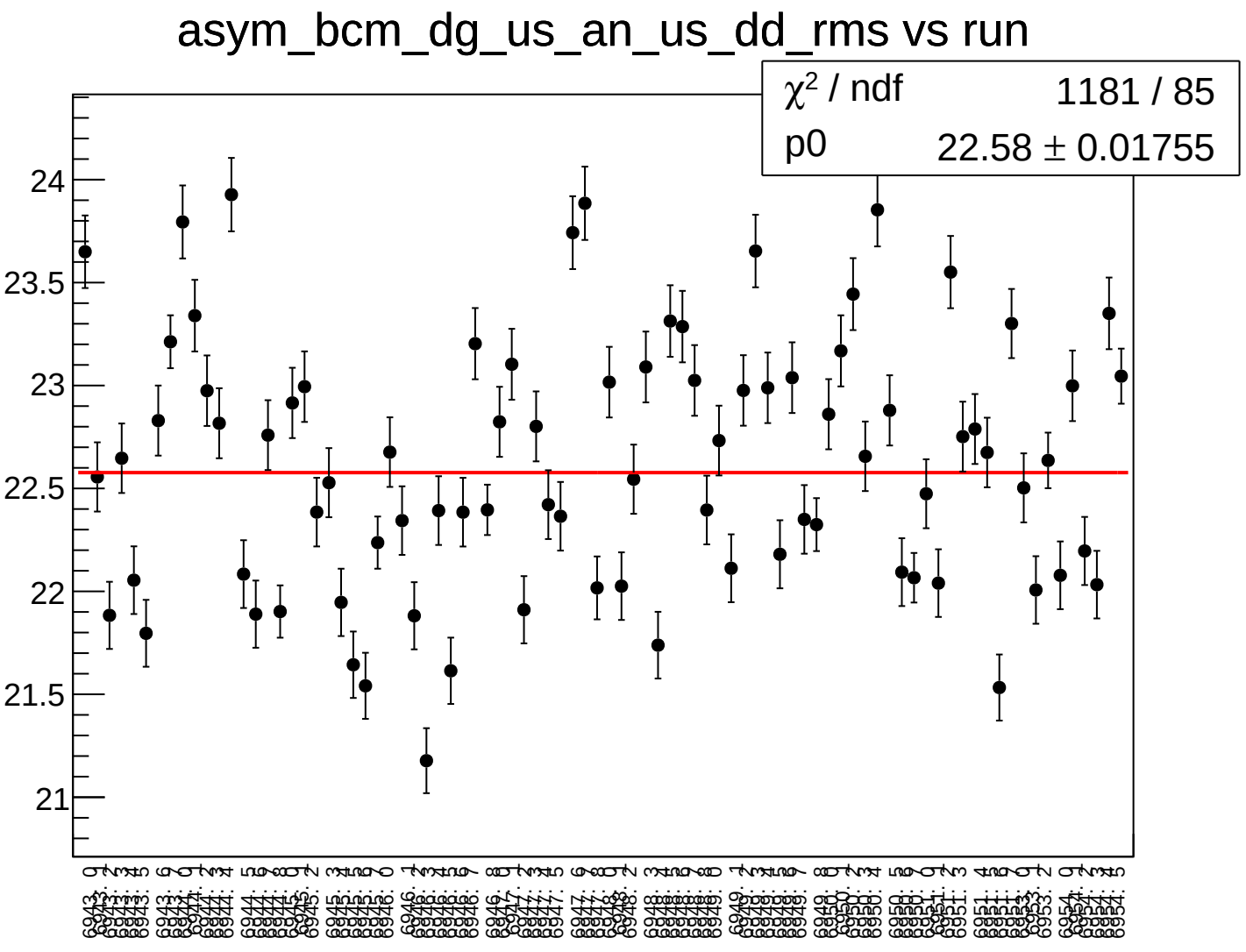

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 12.41 / 85
p0 −8.899 ± 263.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 3603
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2

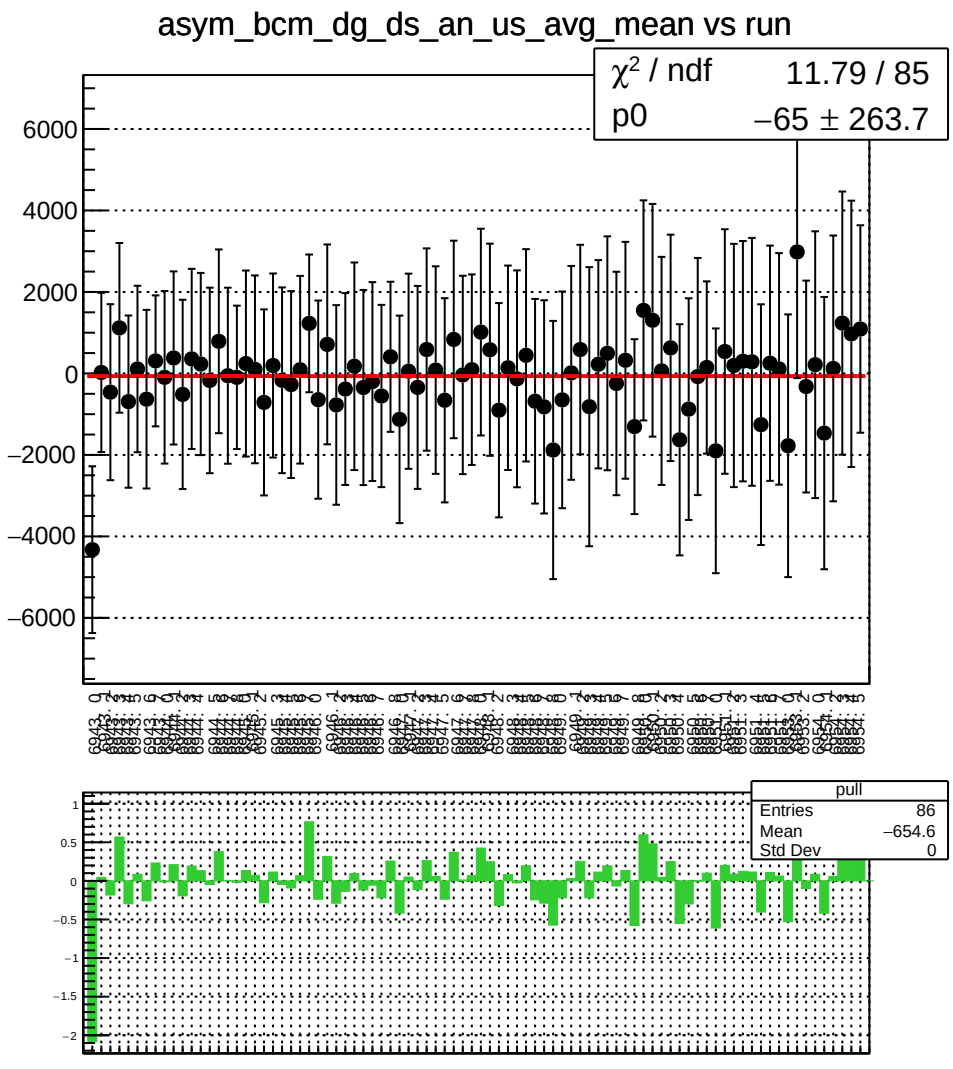

pull1D
Entries 86
Mean 0.0003558
Std Dev 0.3798
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

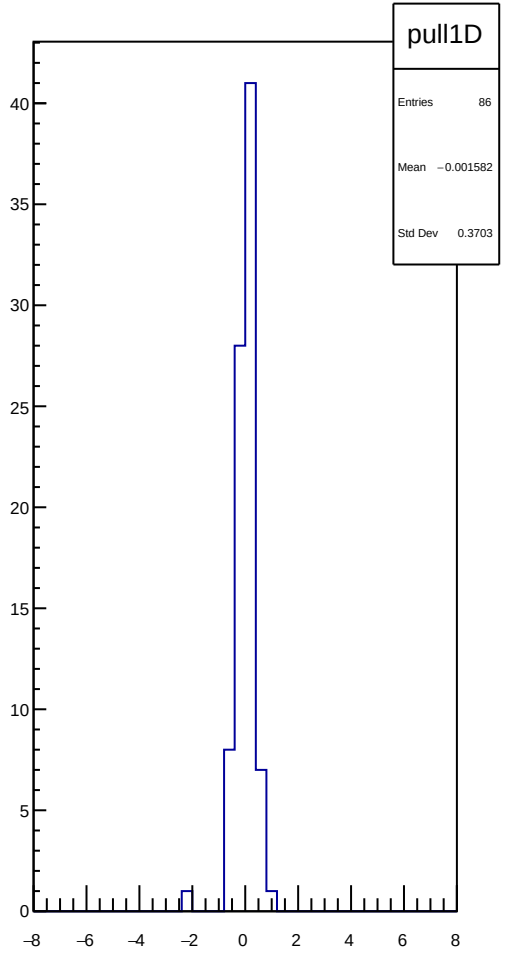

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.036e+04 / 85
p0 237.4 ± 0.1862
340
320
300
280
260
240
220
200
180

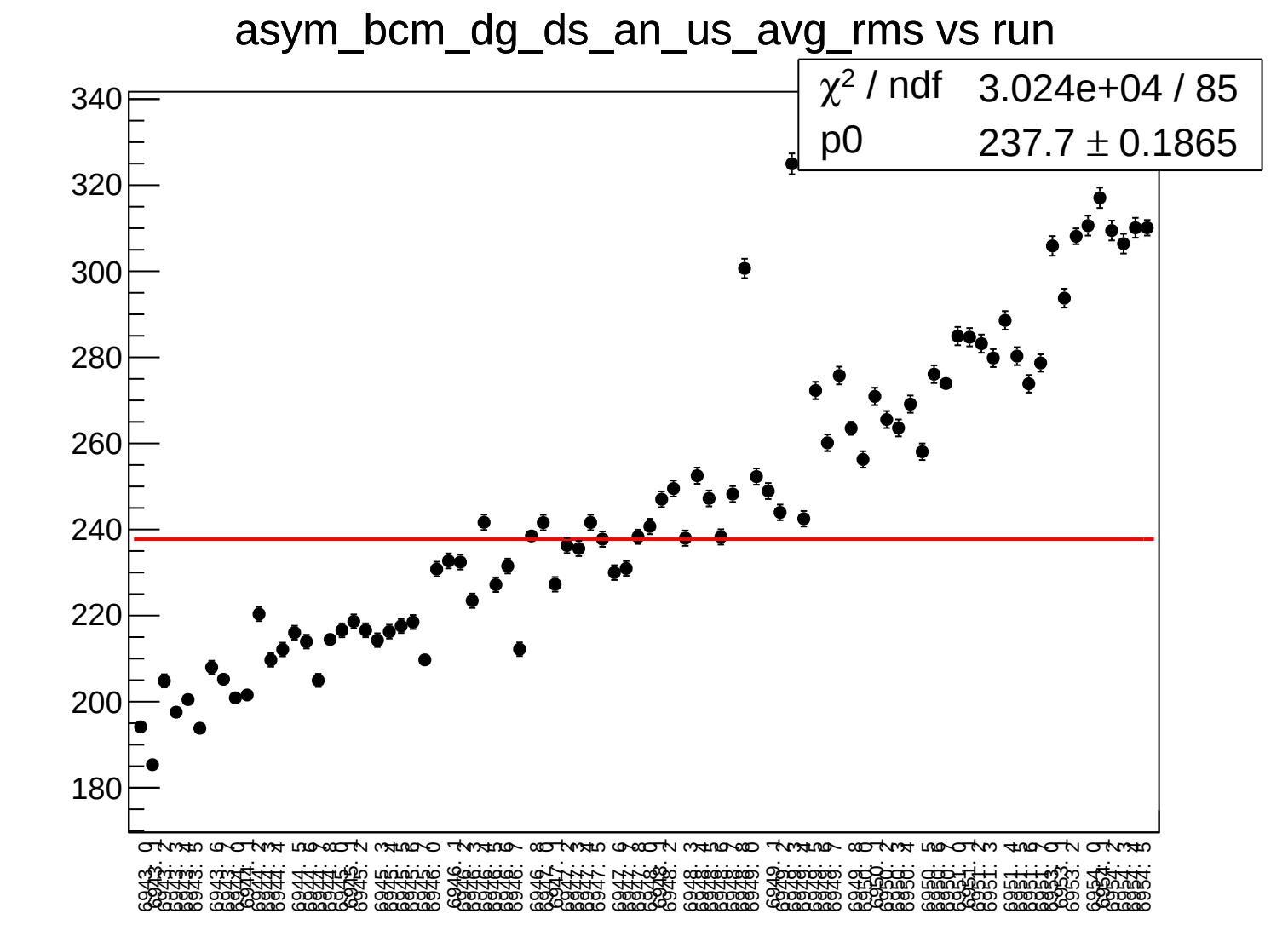

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 91.52 / 85
p0 41.28 ± 24.82
1000
500
0
−500
−1000
pull
Entries 86
Mean 185.2
Std Dev 0
3
2
1
0
−1
−2
−3

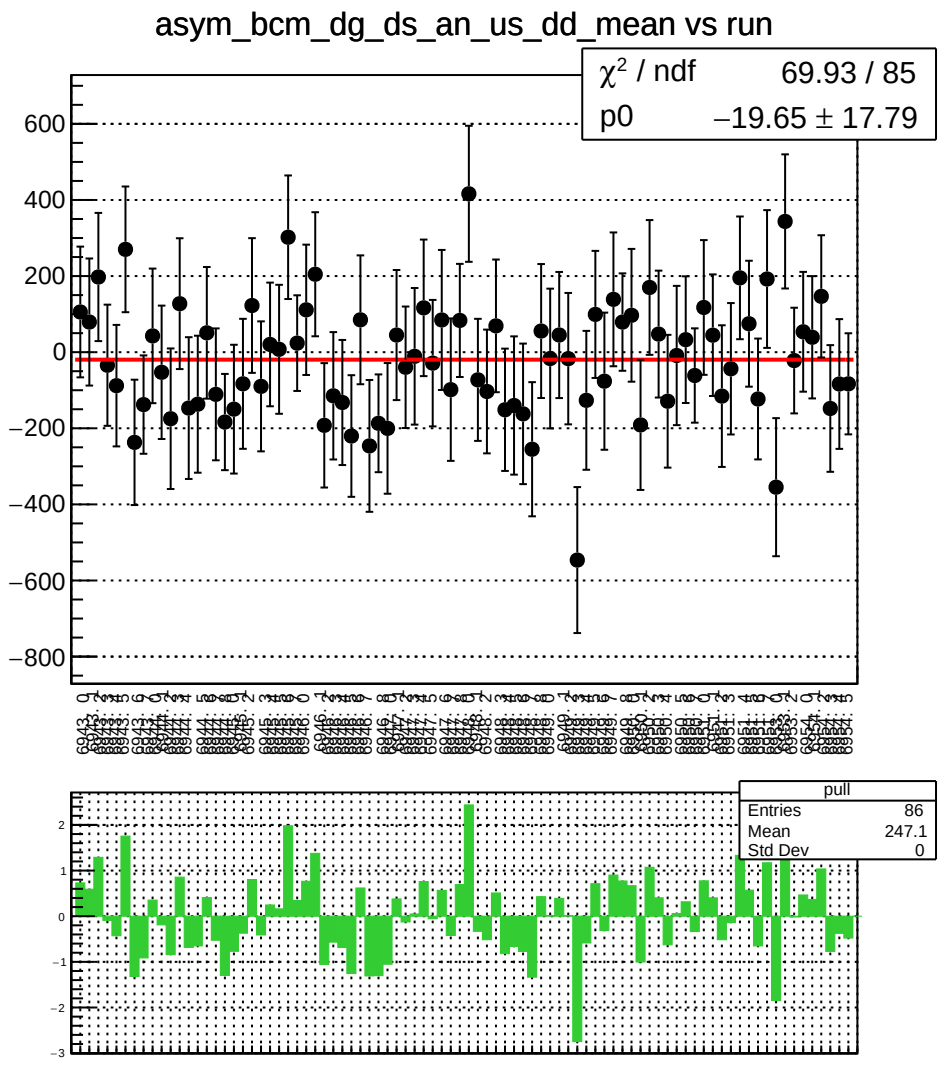

pull1D
Entries 86
Mean 0.01572
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

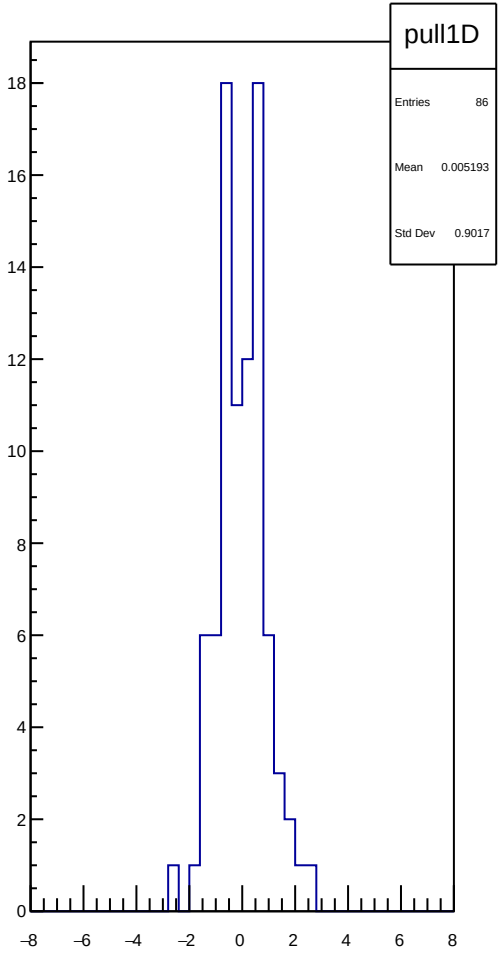

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1181 / 85
p0 22.58 ± 0.01755
24
23.5
23
22.5
22
21.5
21

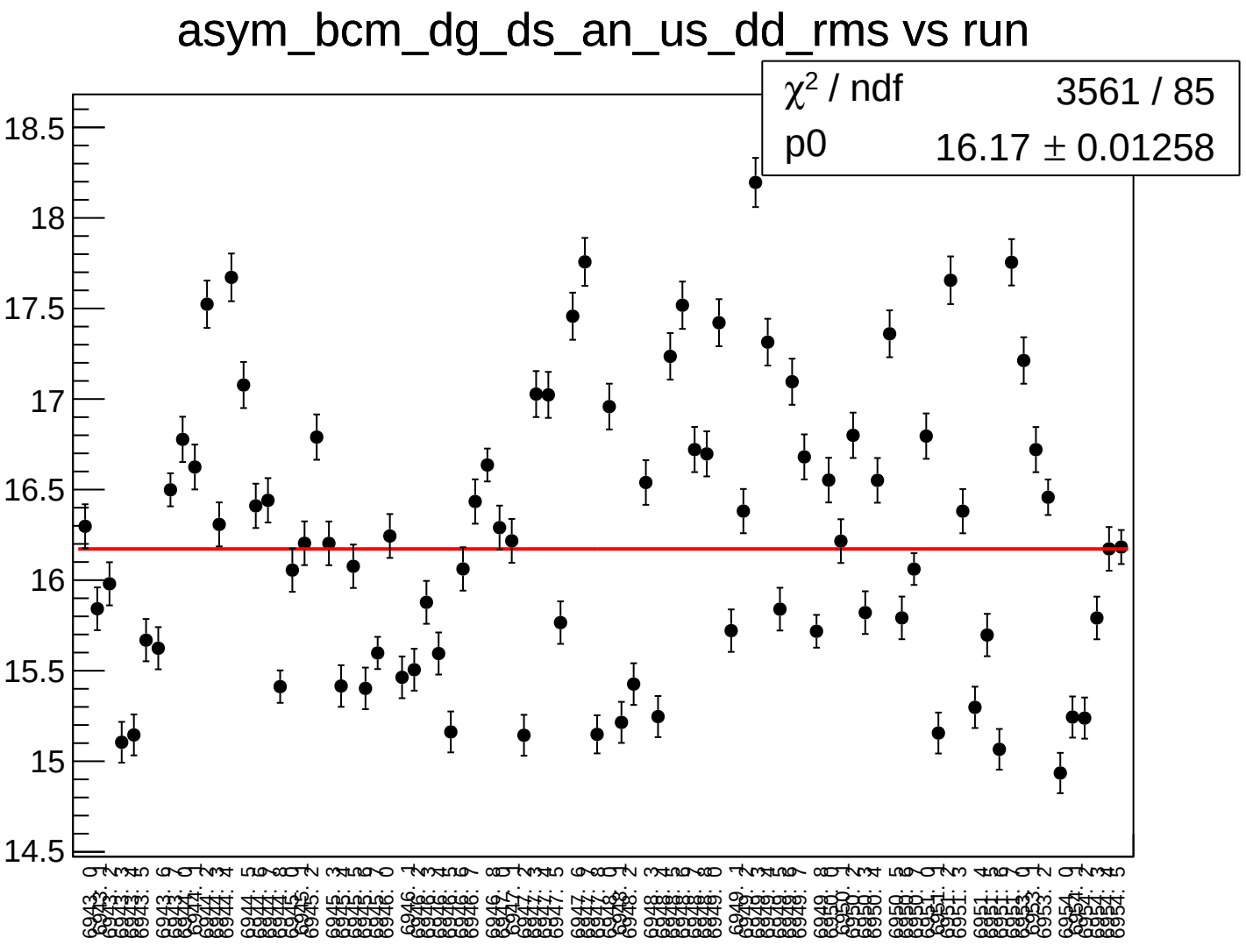

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 11.79 / 85
p0 −65 ± 263.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −654.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

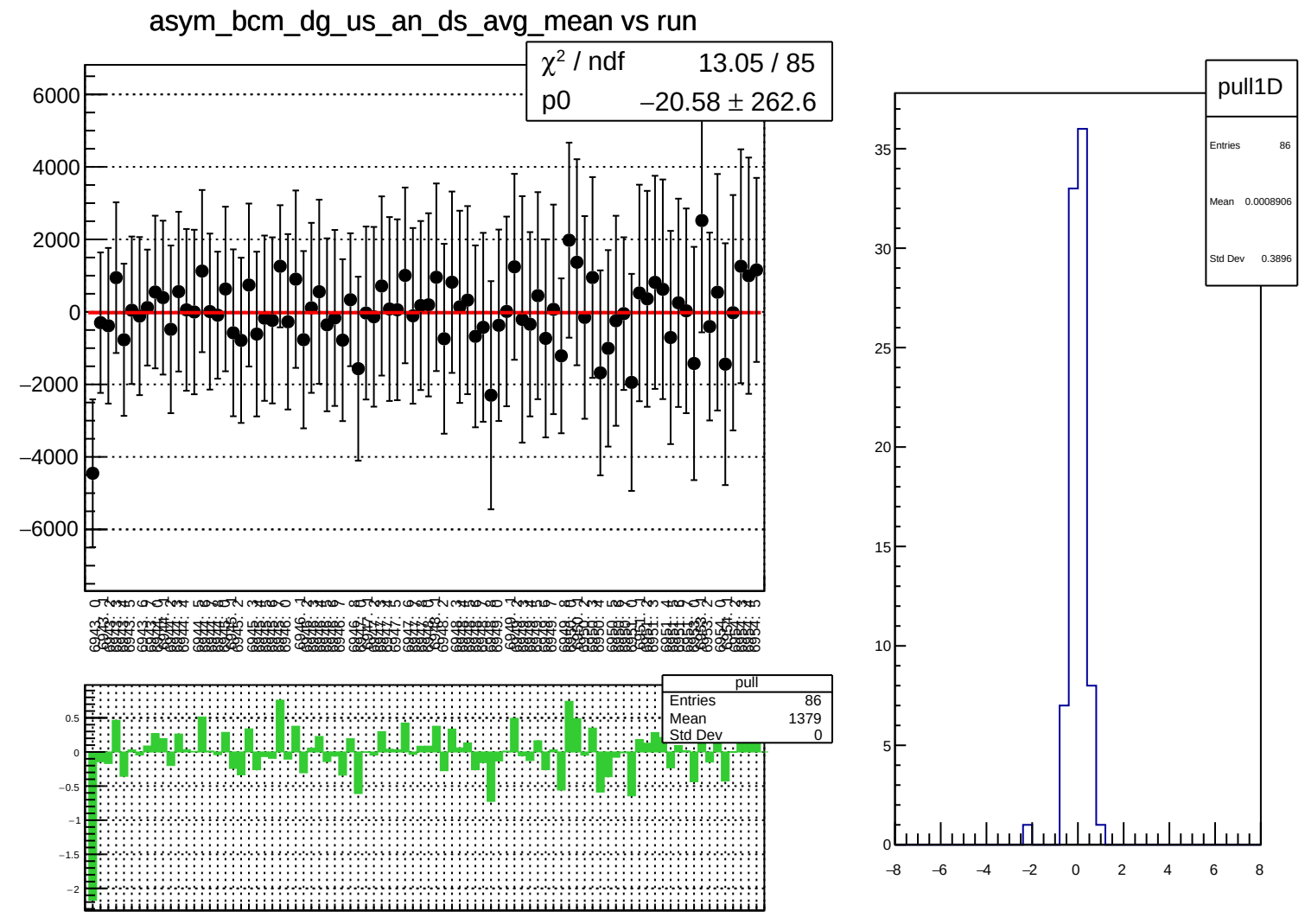

pull1D
Entries 86
Mean −0.001582
Std Dev 0.3703
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

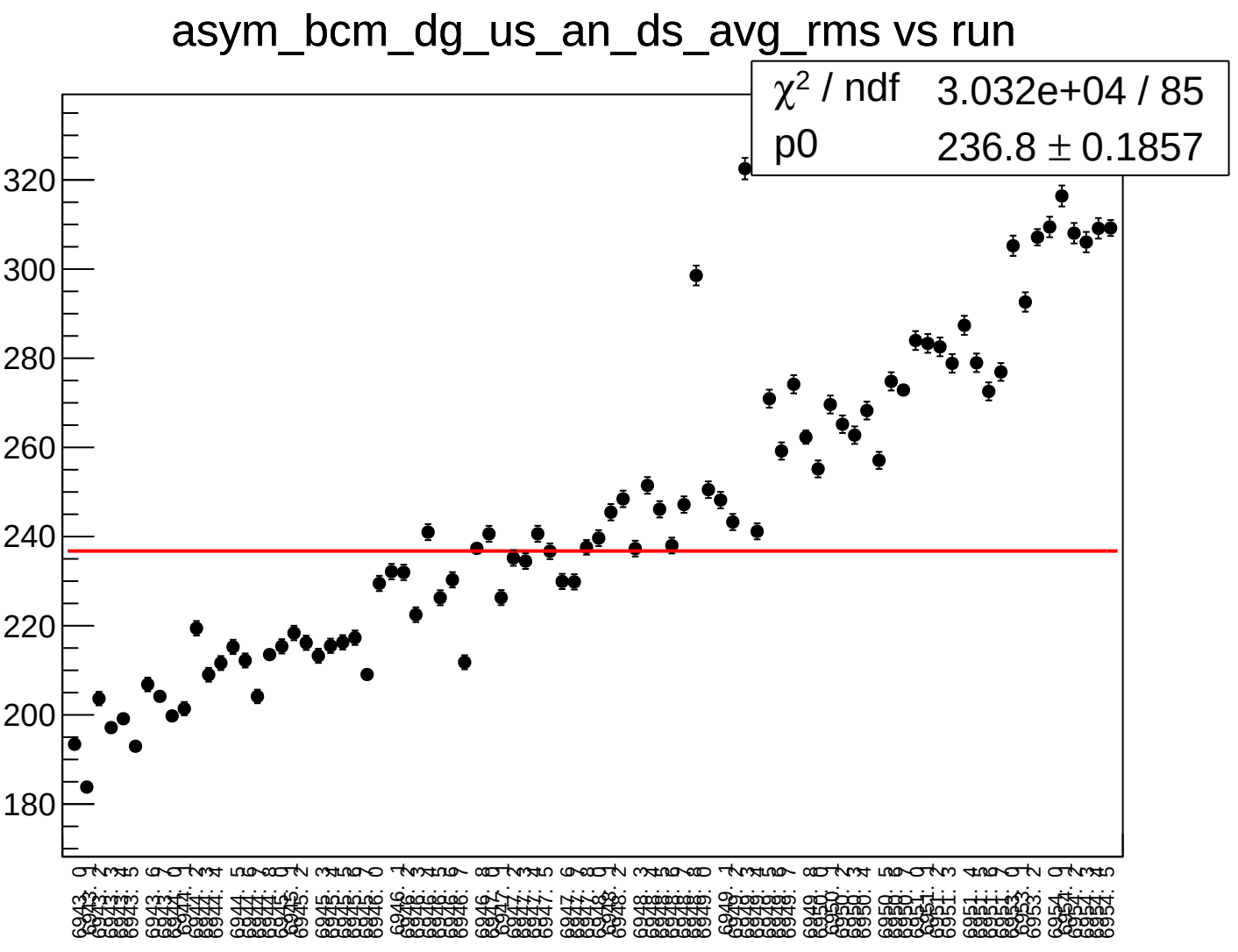

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.024e+04 / 85
p0 237.7 ± 0.1865
340
320
300
280
260
240
220
200
180

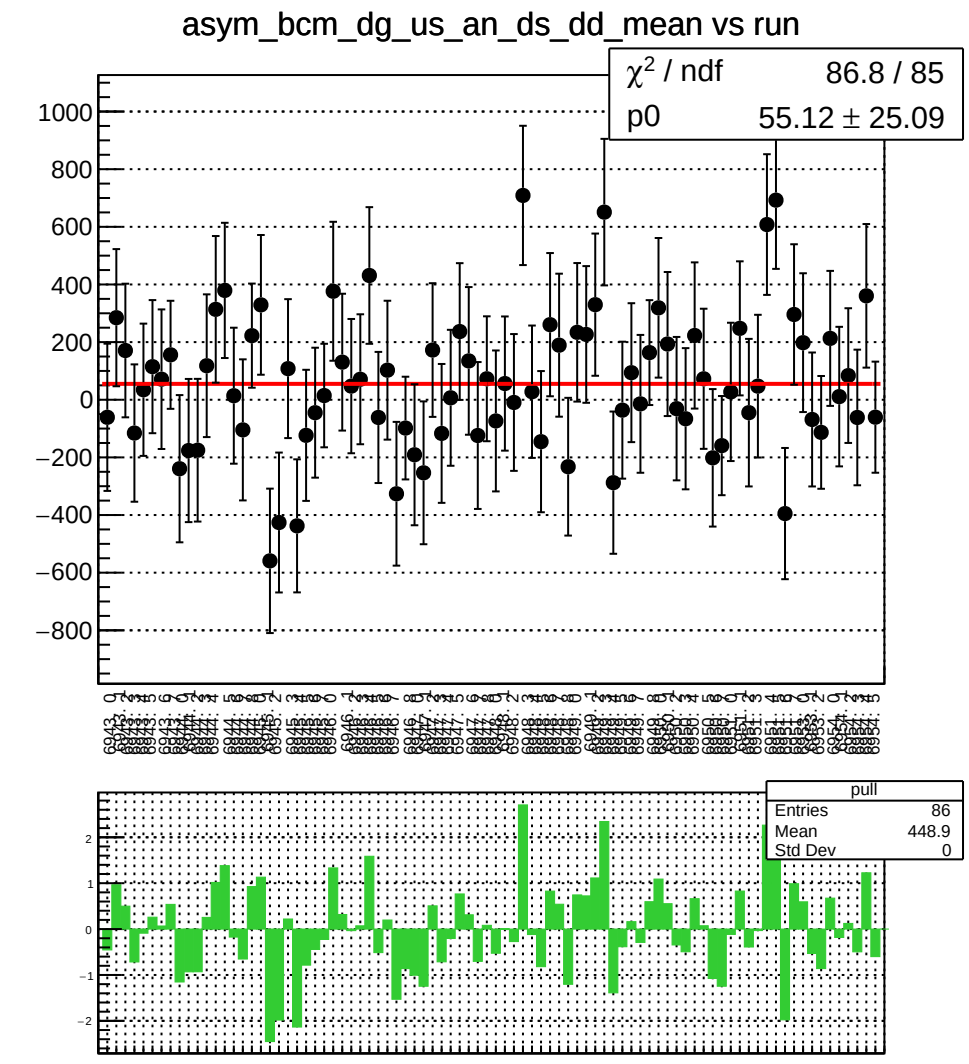

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 69.93 / 85
p0 −19.65 ± 17.79
pull
Entries 86
Mean 247.1
Std Dev 0

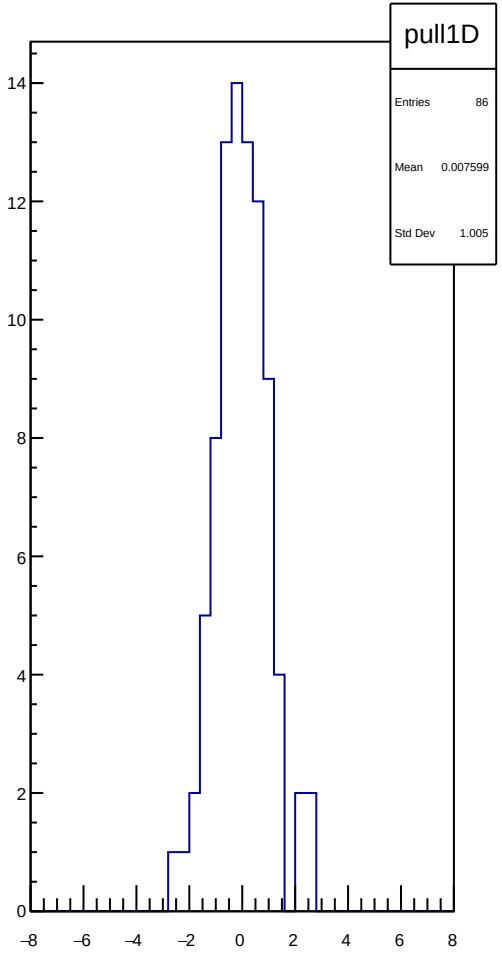

pull1D
Entries 86
Mean 0.005193
Std Dev 0.9017

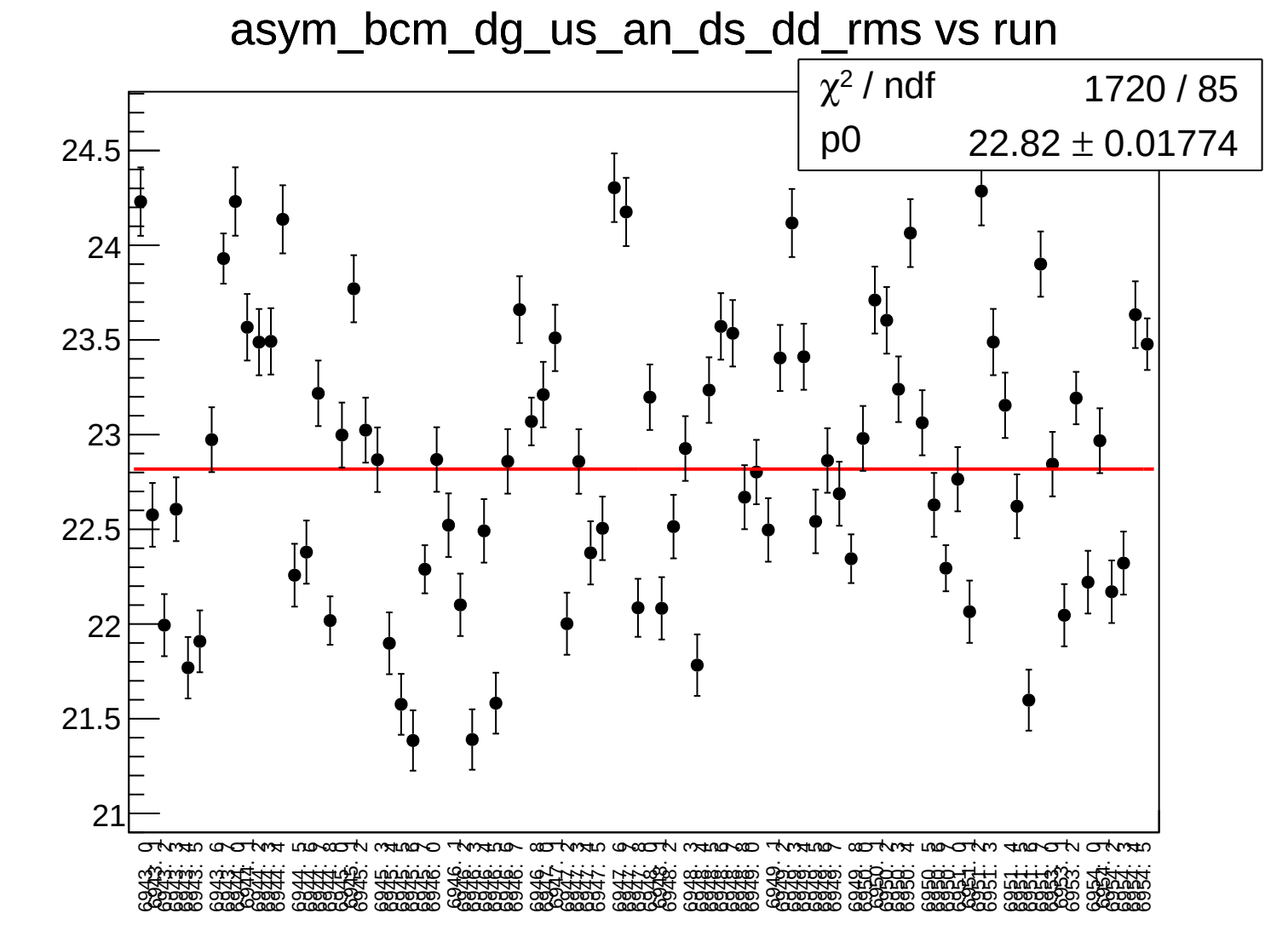

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 3561 / 85
p0 16.17 ± 0.01258
18.5
18
17.5
17
16.5
16
15.5
15
14.5

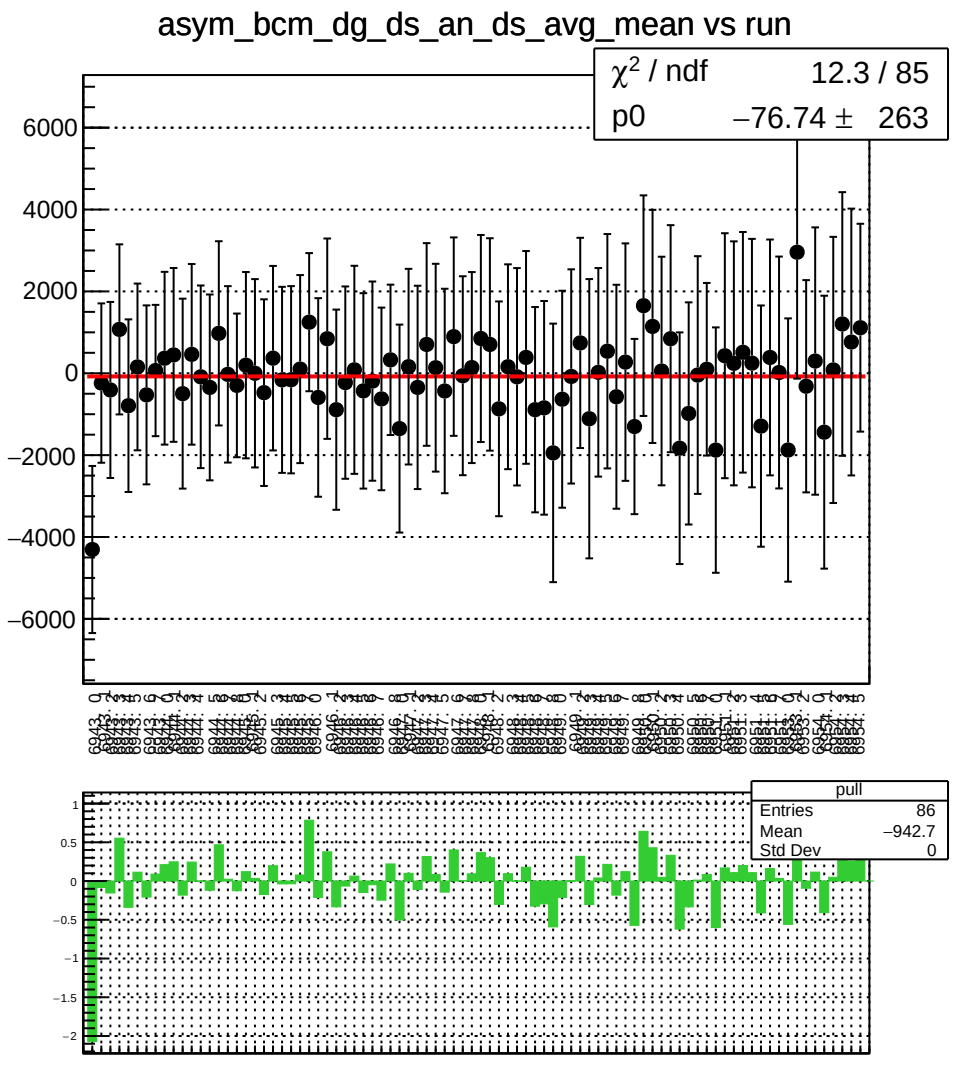

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 13.05 / 85
p0 −20.58 ± 262.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 1379
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.0008906
Std Dev 0.3896
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

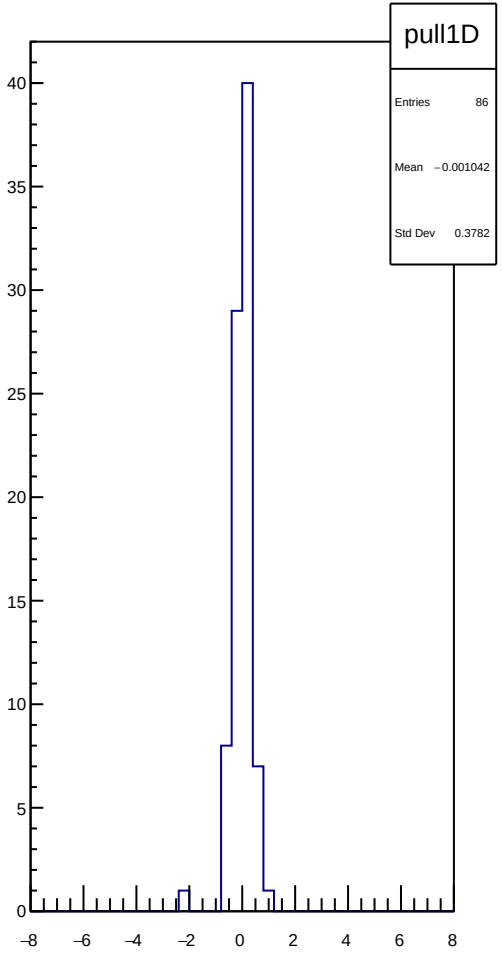

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.032e+04 / 85
p0 236.8 ± 0.1857
320
300
280
260
240
220
200
180

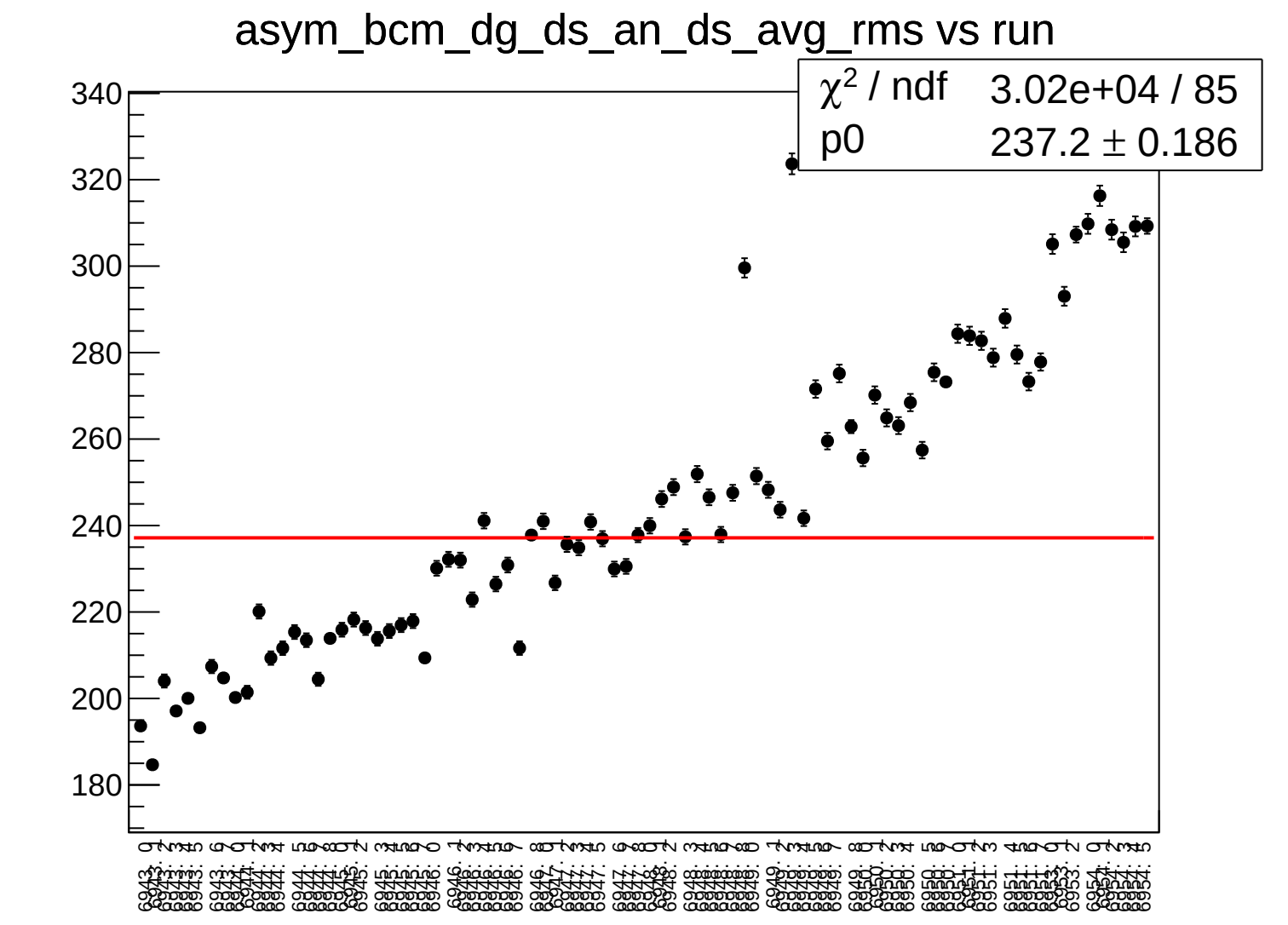

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 86.8 / 85
p0 55.12 ± 25.09
pull
Entries 86
Mean 448.9
Std Dev 0

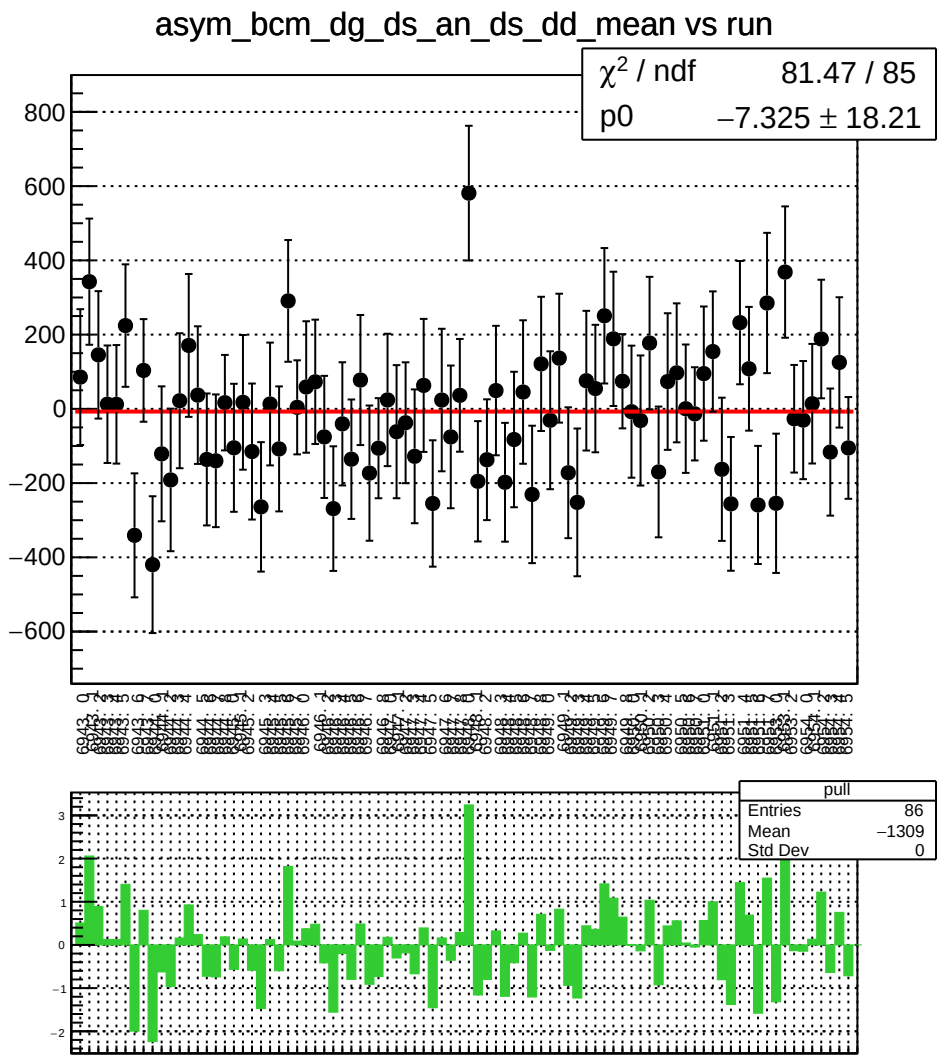

pull1D
Entries 86
Mean 0.007599
Std Dev 1.005

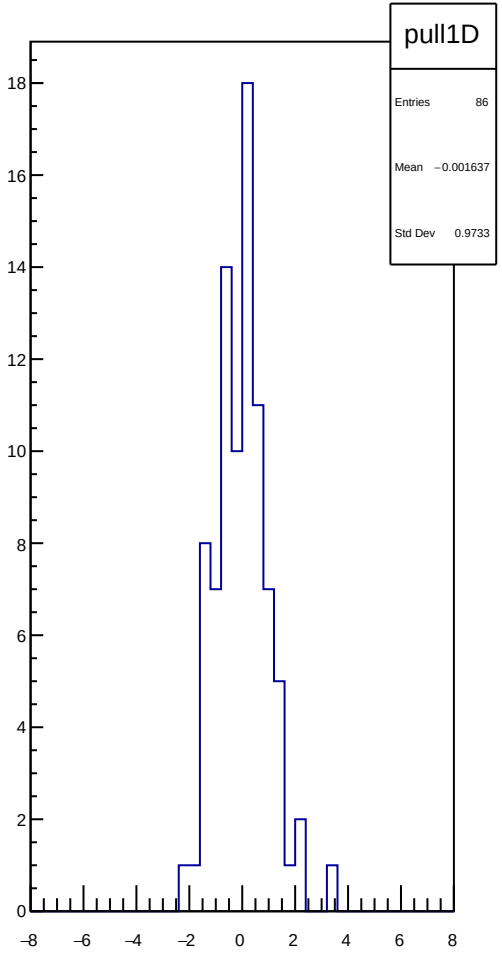

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 1720 / 85
p0 22.82 ± 0.01774
24.5
24
23.5
23
22.5
22
21.5
21

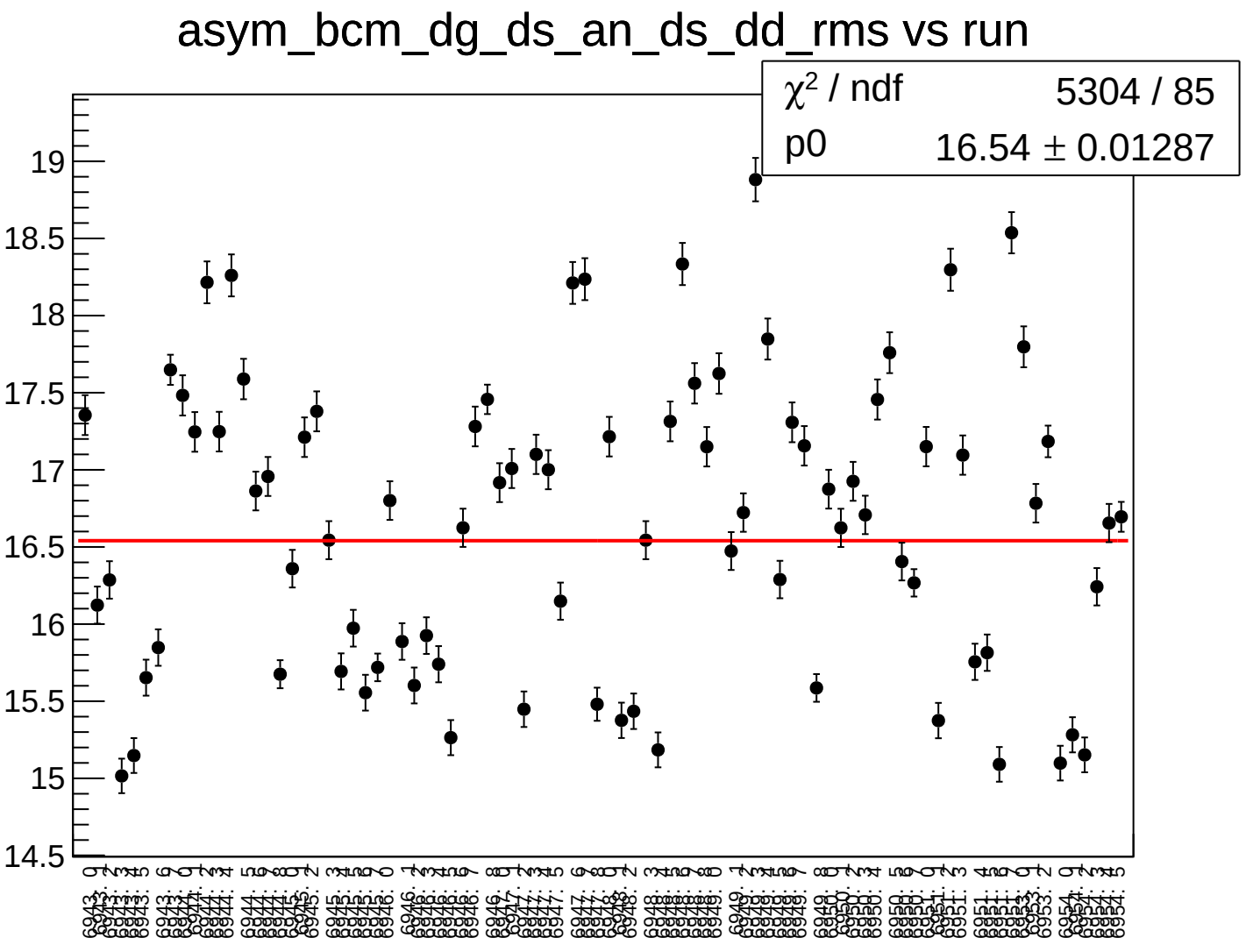

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 12.3 / 85
p0 −76.74 ± 263
pull
Entries 86
Mean −942.7
Std Dev 0

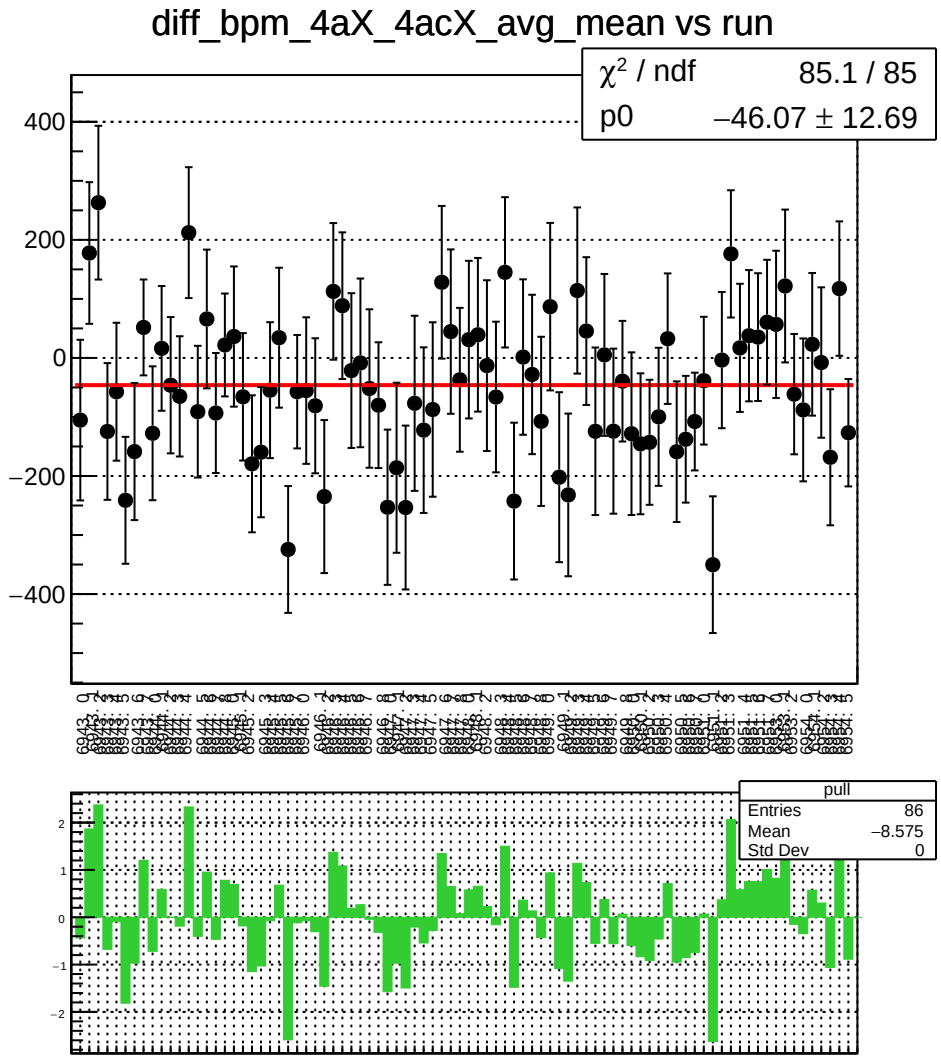

pull1D
Entries 86
Mean −0.001042
Std Dev 0.3782

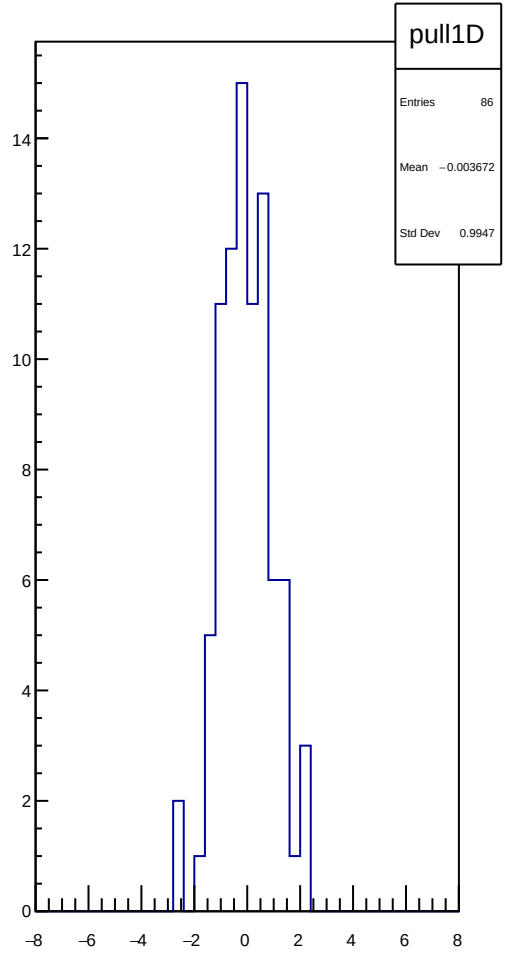

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.02e+04 / 85
p0 237.2 ± 0.186
340
320
300
280
260
240
220
200
180

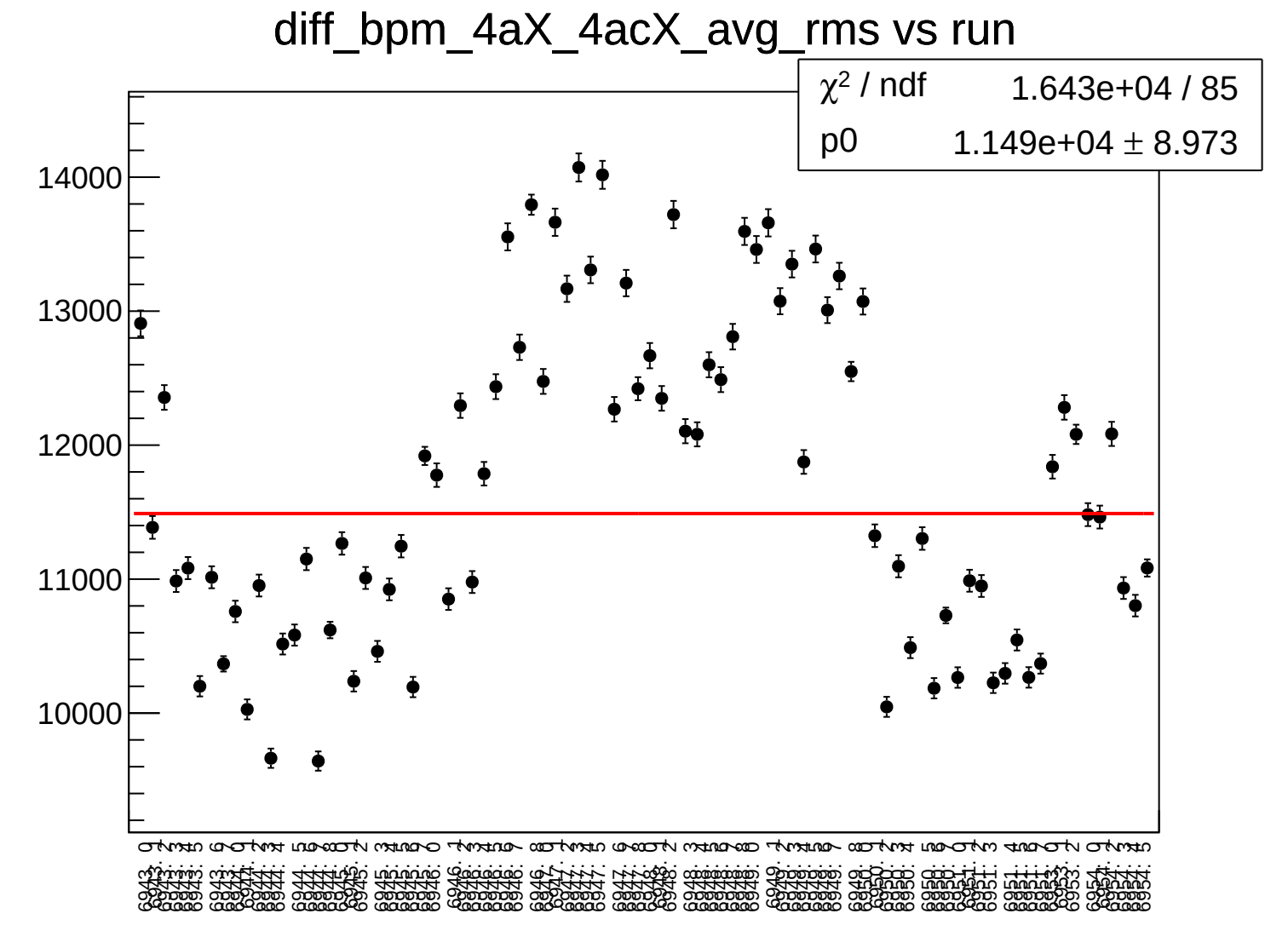

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 81.47 / 85
p0 −7.325 ± 18.21
pull
Entries 86
Mean −1309
Std Dev 0

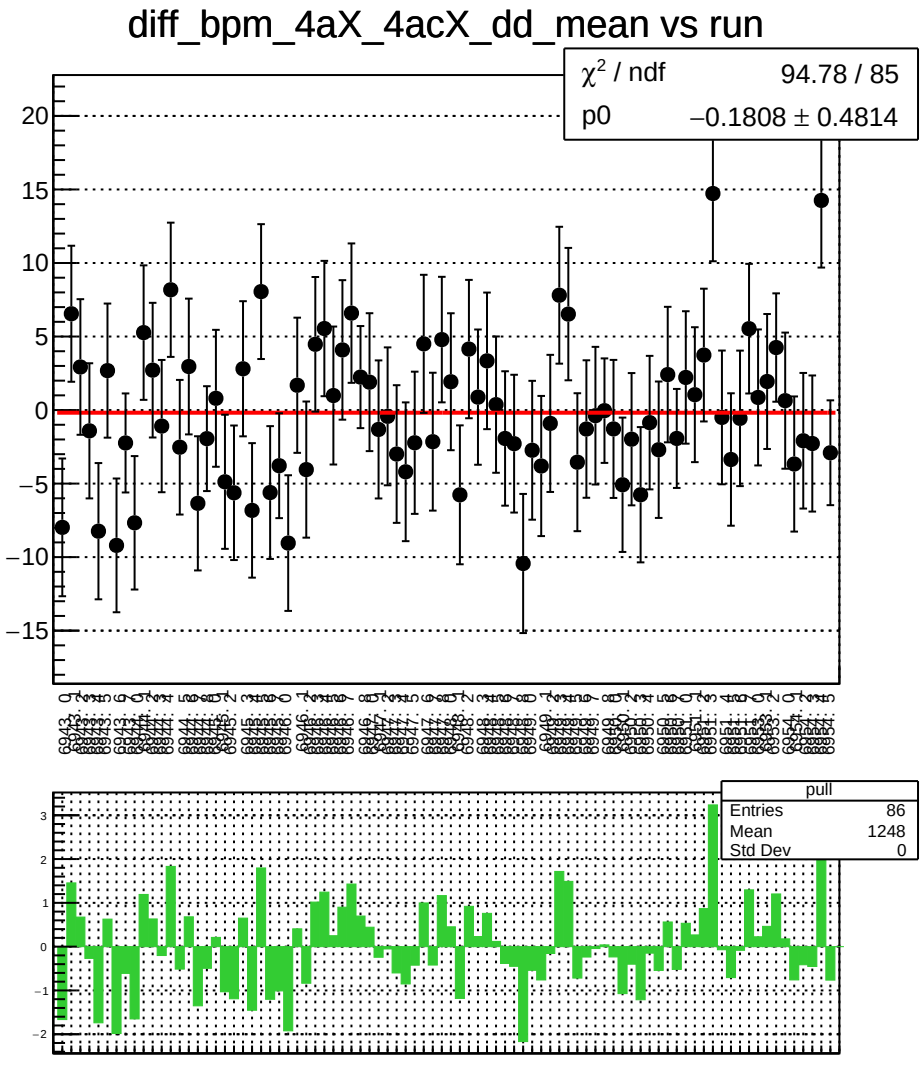

pull1D
Entries 86
Mean −0.001637
Std Dev 0.9733

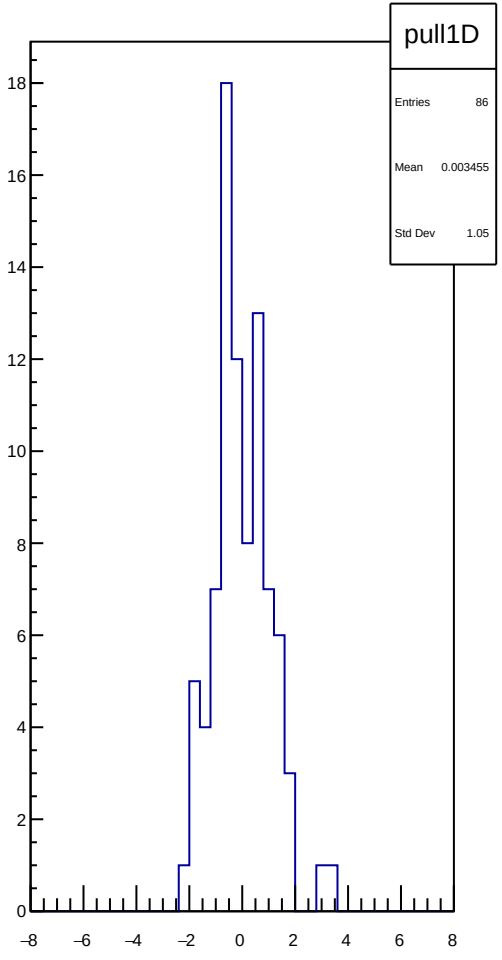

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 5304 / 85
p0 16.54 ± 0.01287
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5

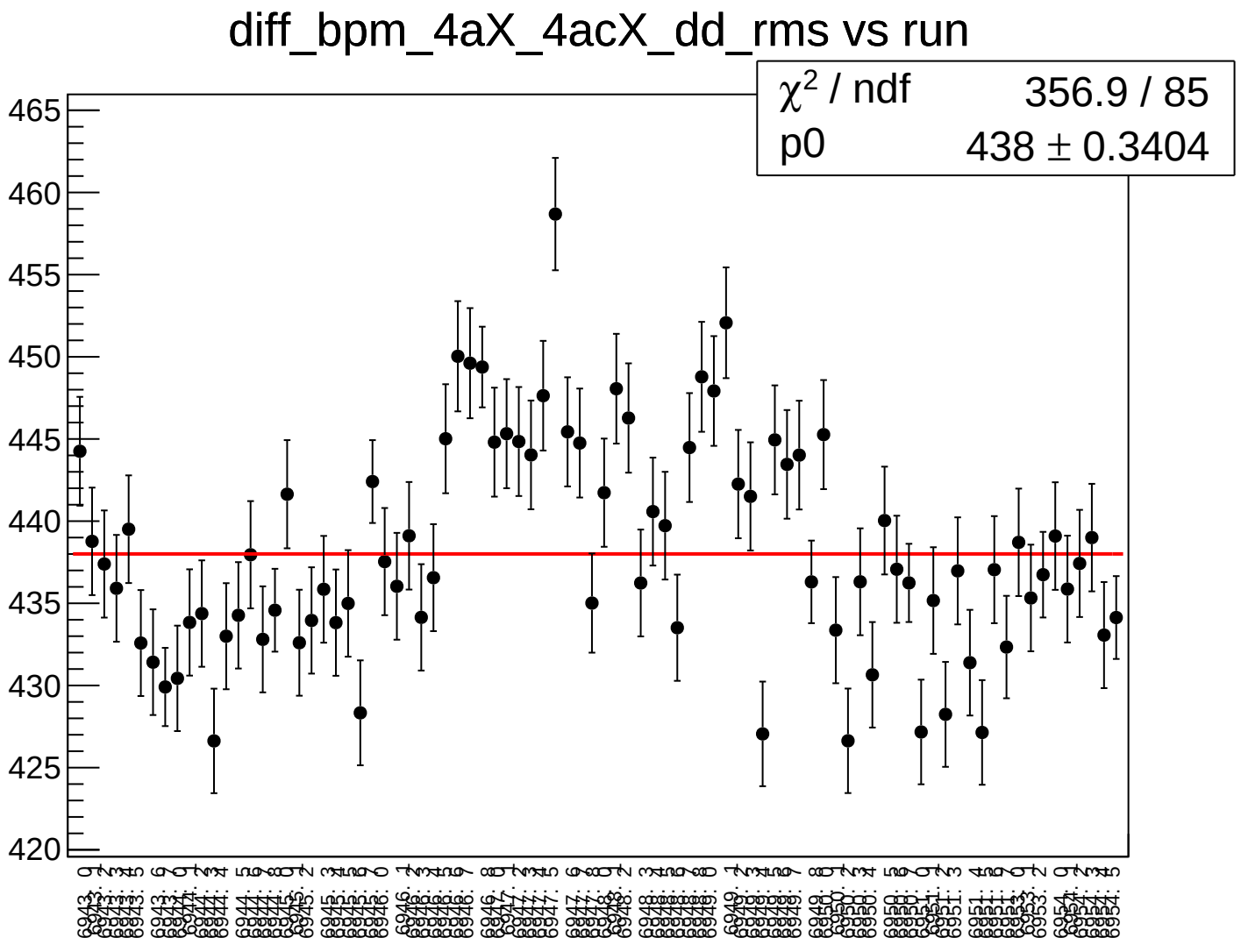

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 85.1 / 85
p0 −46.07 ± 12.69
400
200
0
−200
−400
pull
Entries 86
Mean −8.575
Std Dev 0
2
1
0
−1
−2

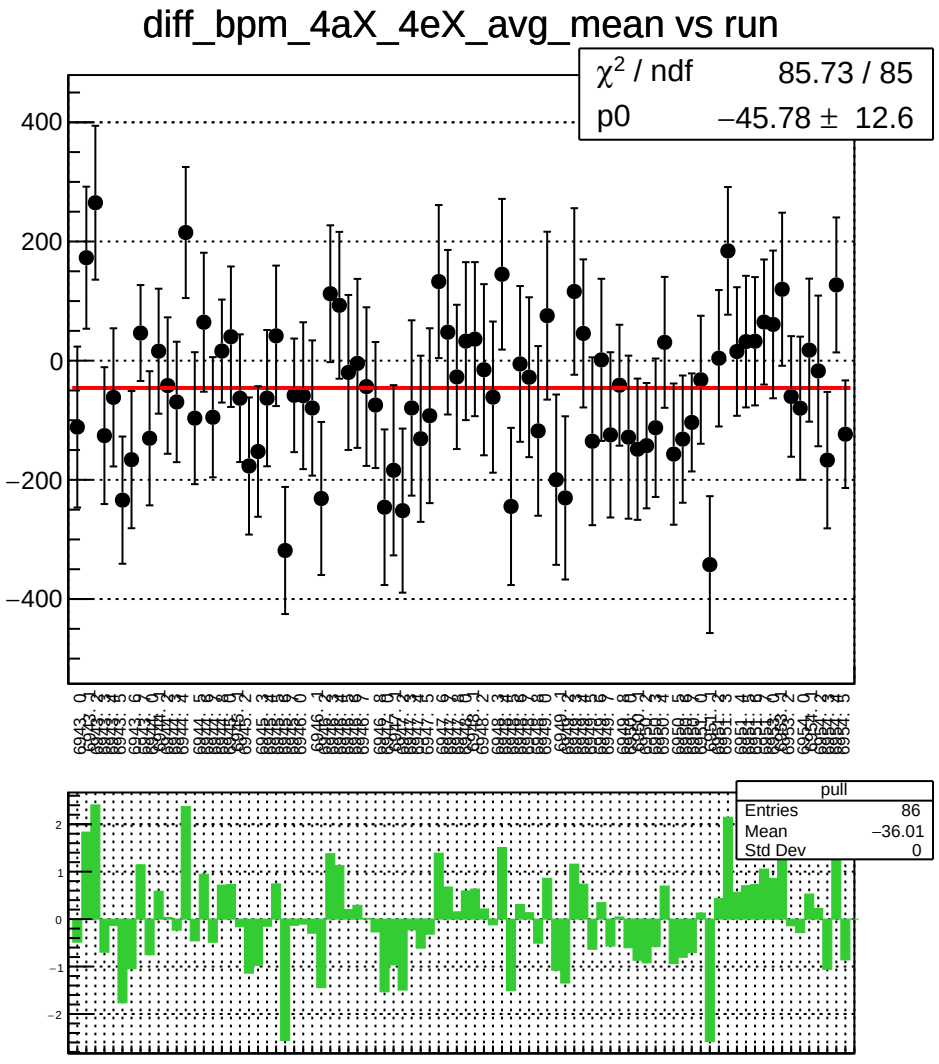

pull1D
Entries 86
Mean −0.003672
Std Dev 0.9947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

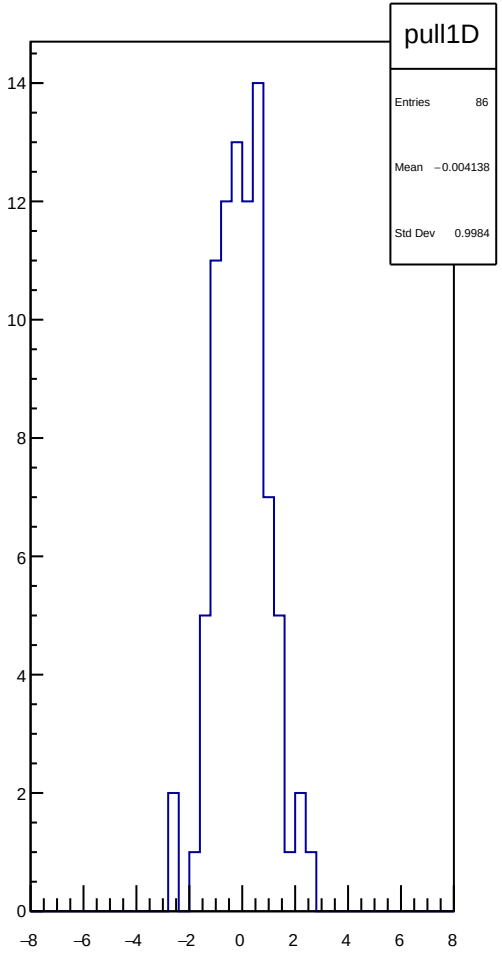

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 1.643e+04 / 85
p0 1.149e+04 ± 8.973
14000
13000
12000
11000
10000

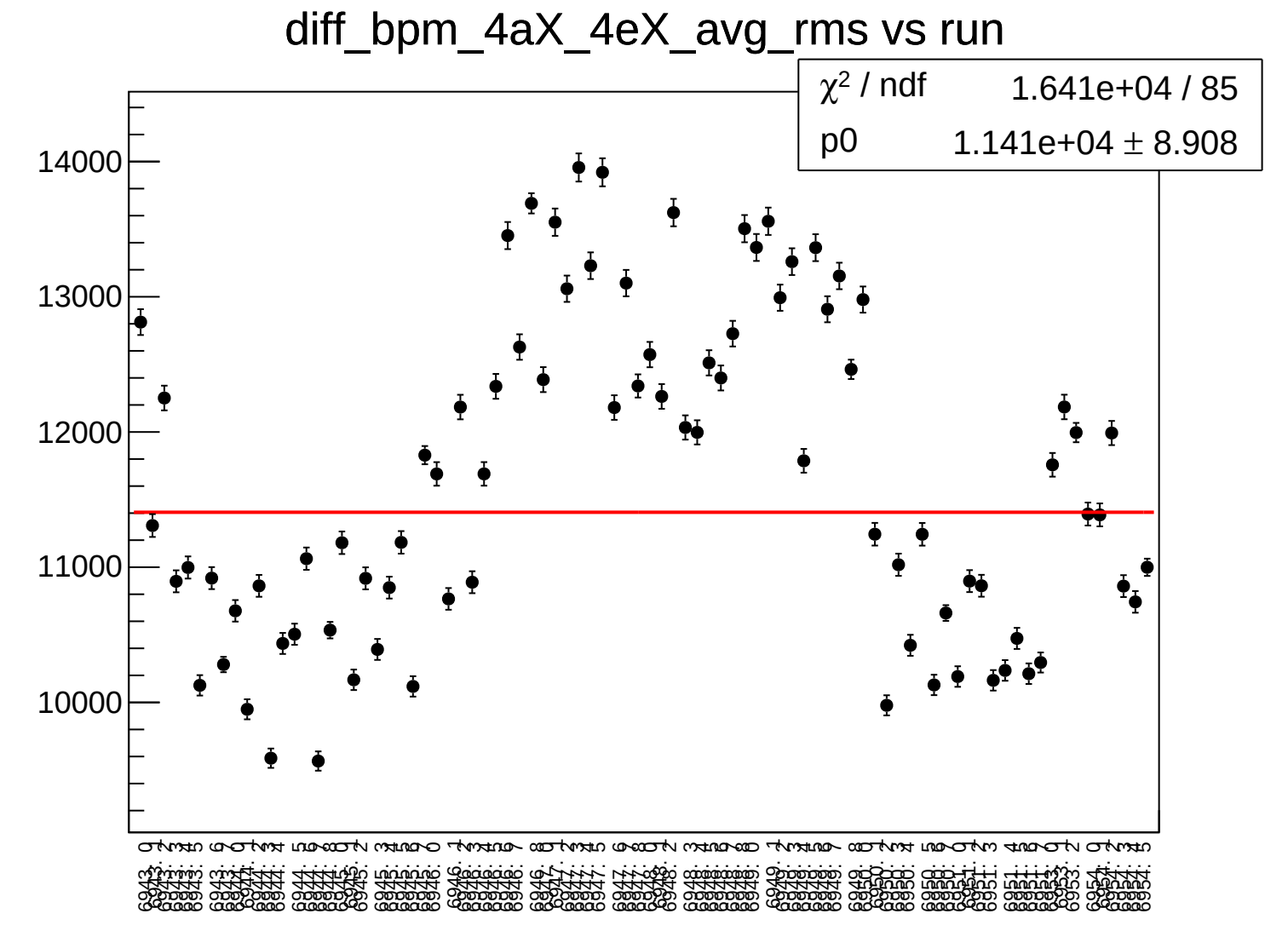

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 94.78 / 85
p0 −0.1808 ± 0.4814
pull
Entries 86
Mean 1248
Std Dev 0

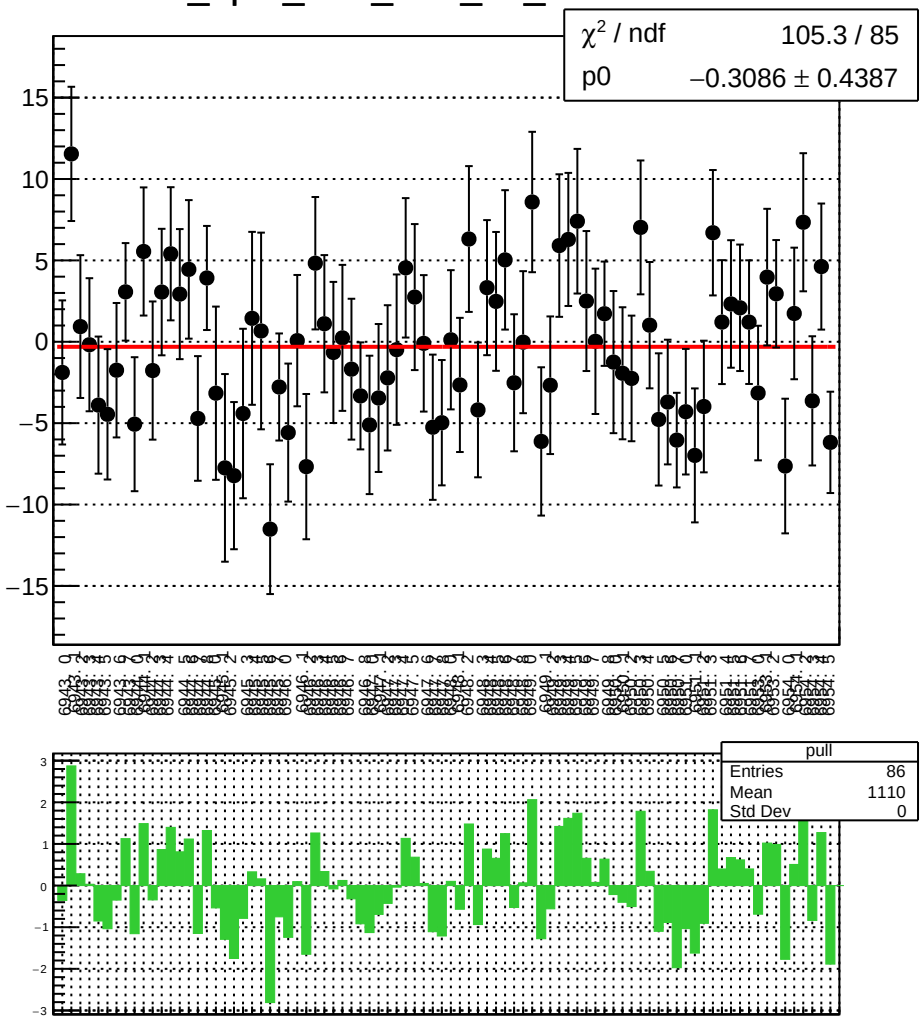

pull1D
Entries 86
Mean 0.003455
Std Dev 1.05

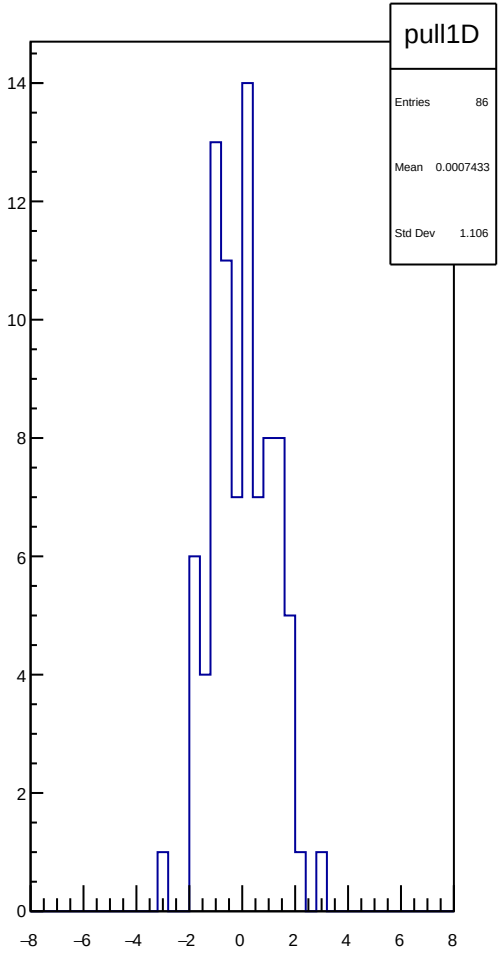

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 356.9 / 85
p0 438 ± 0.3404
465
460
455
450
445
440
435
430
425
420

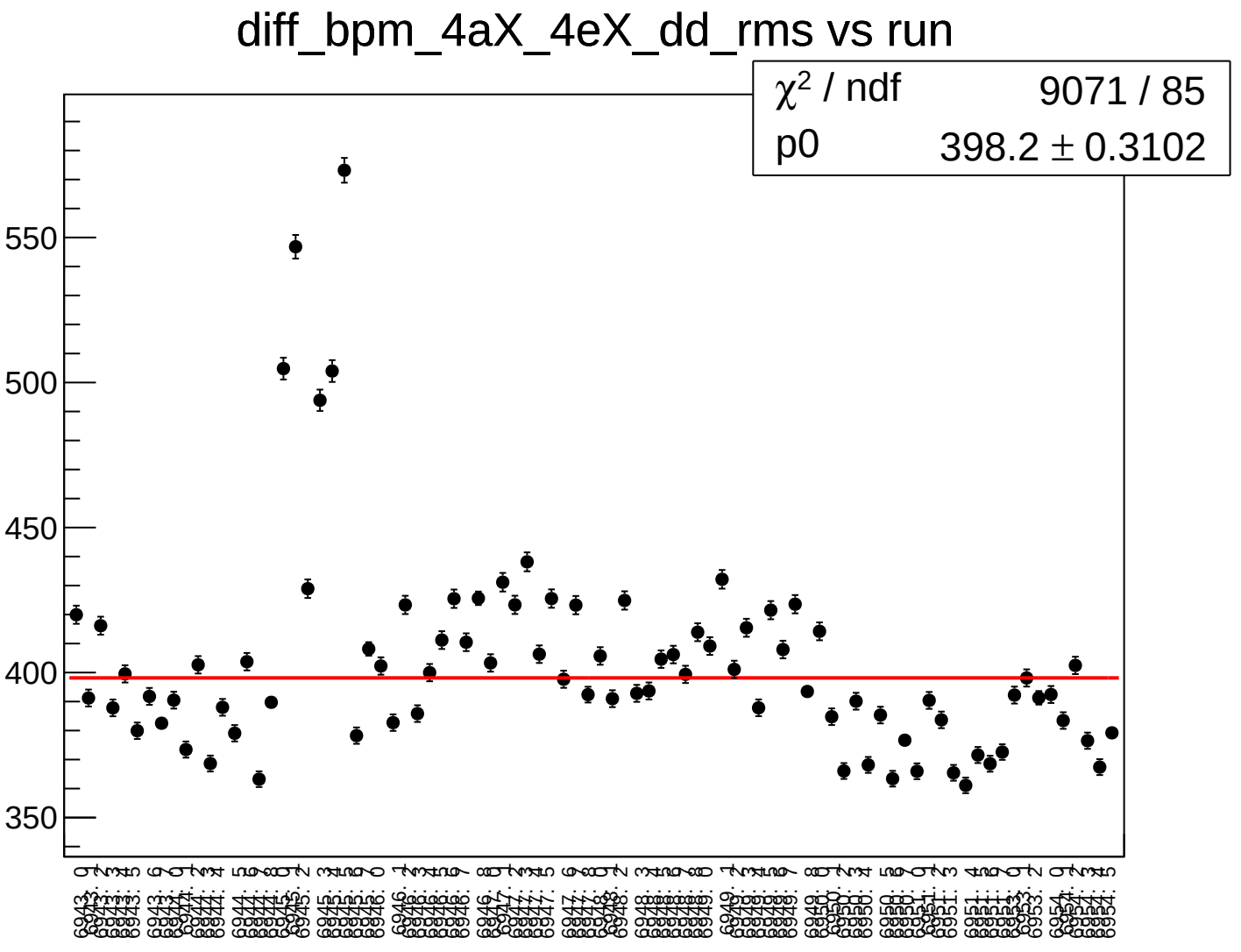

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 85.73 / 85
p0 −45.78 ± 12.6
400
200
0
−200
−400
pull
Entries 86
Mean −36.01
Std Dev 0
2
1
0
−1
−2

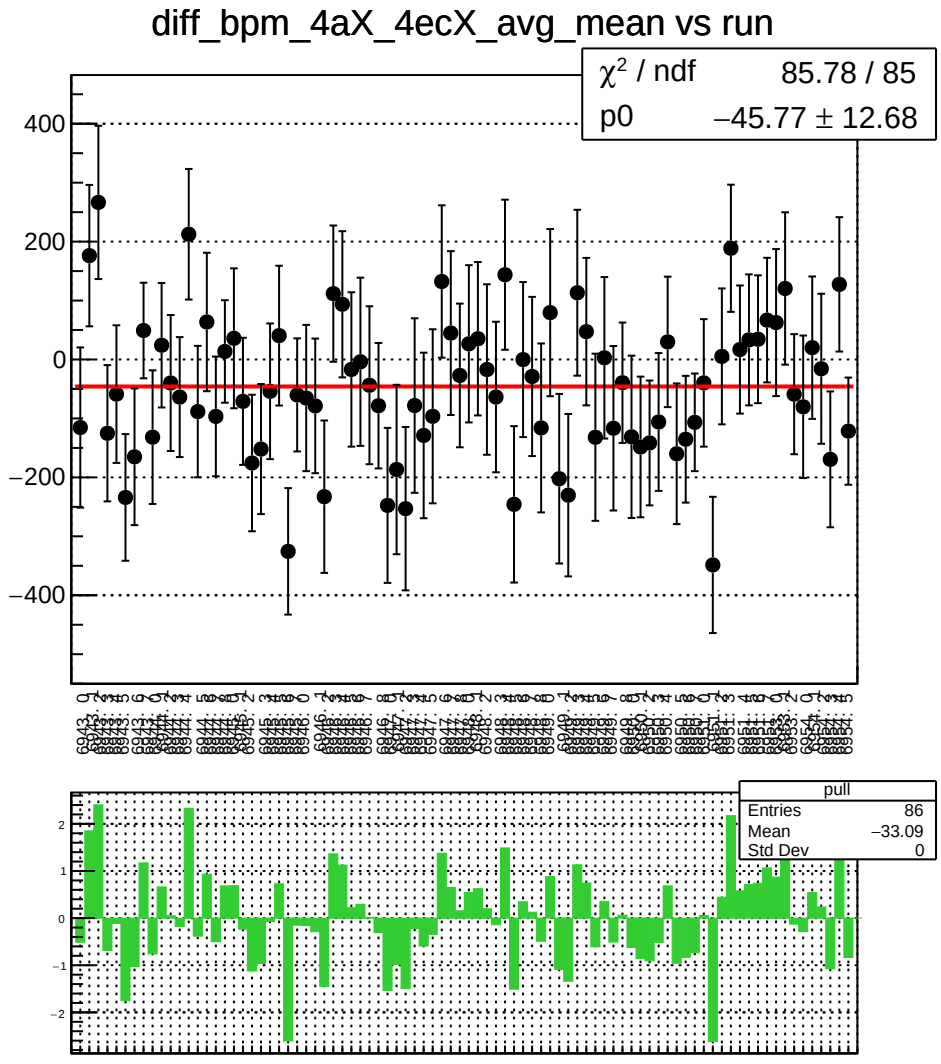

pull1D
Entries 86
Mean −0.004138
Std Dev 0.9984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

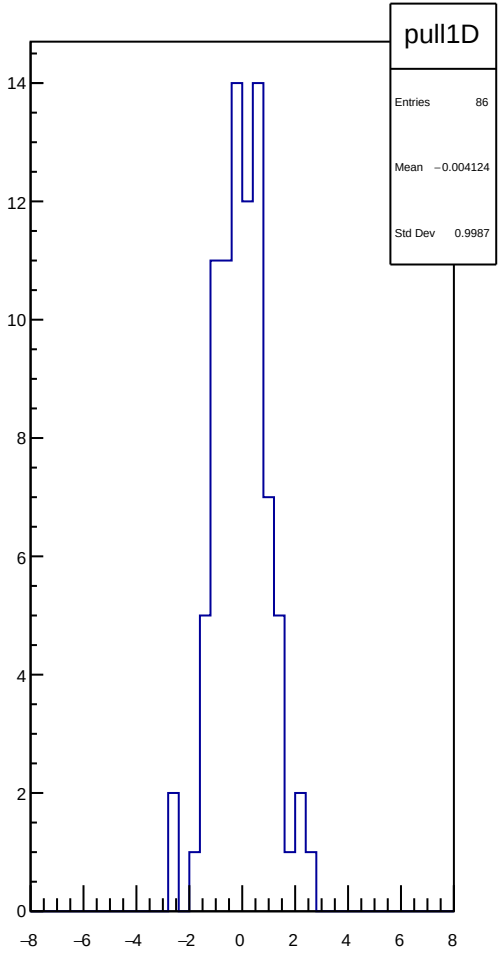

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 1.641e+04 / 85
p0 1.141e+04 ± 8.908
14000
13000
12000
11000
10000

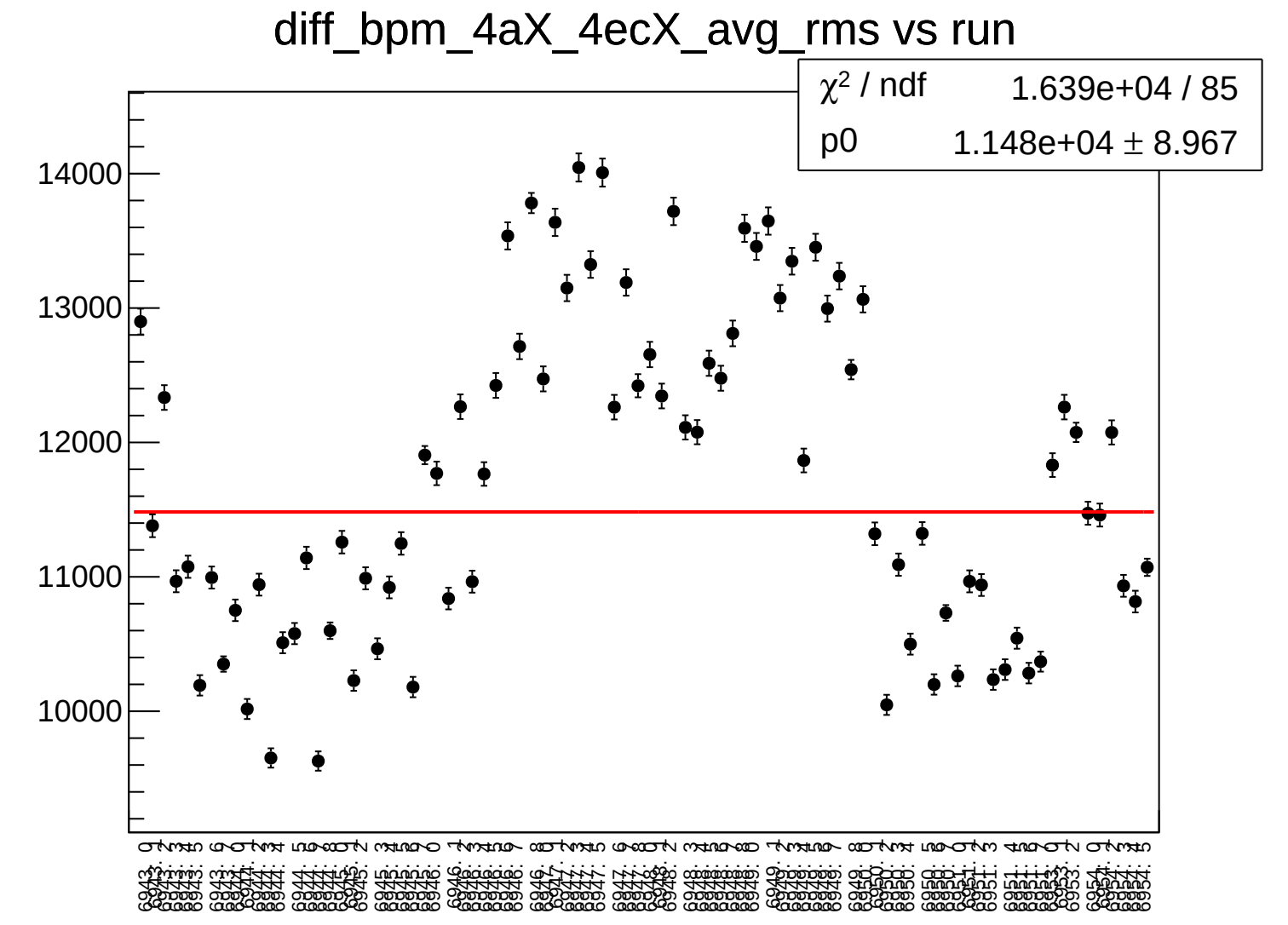

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 105.3 / 85
p0 −0.3086 ± 0.4387
pull
Entries 86
Mean 1110
Std Dev 0

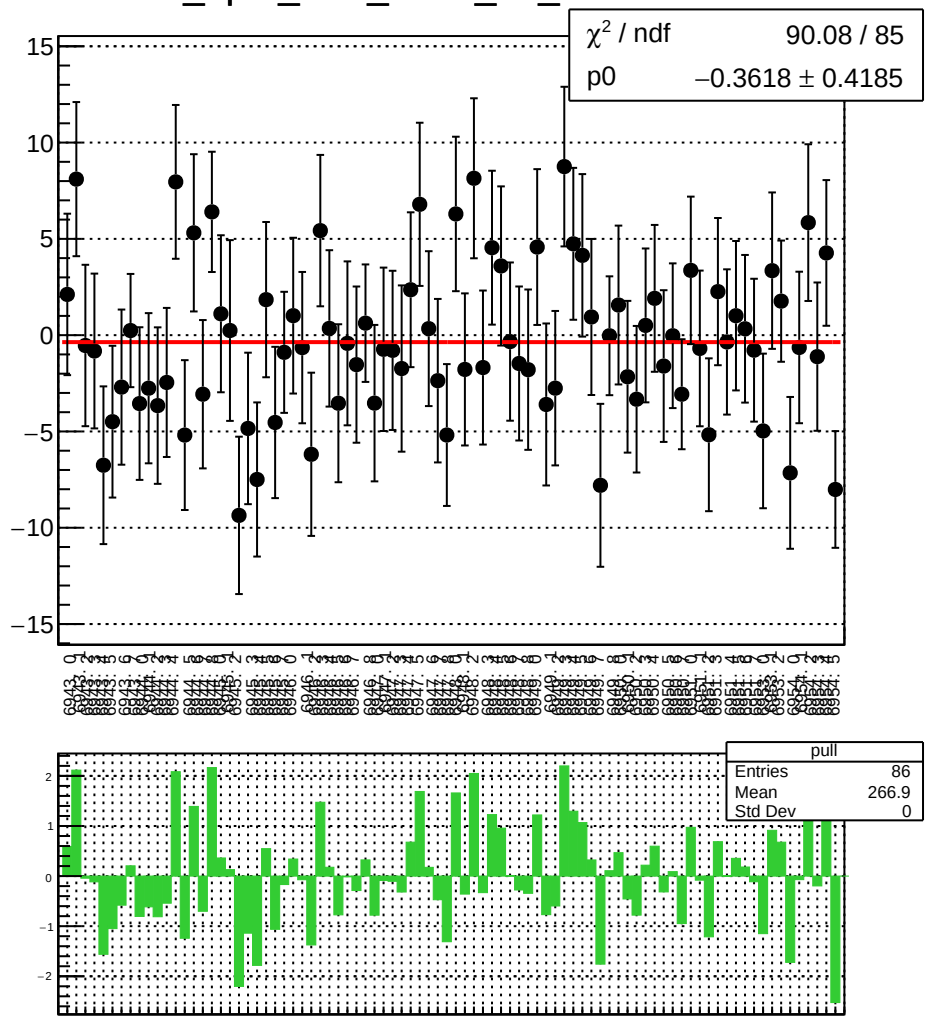

pull1D
Entries 86
Mean 0.0007433
Std Dev 1.106

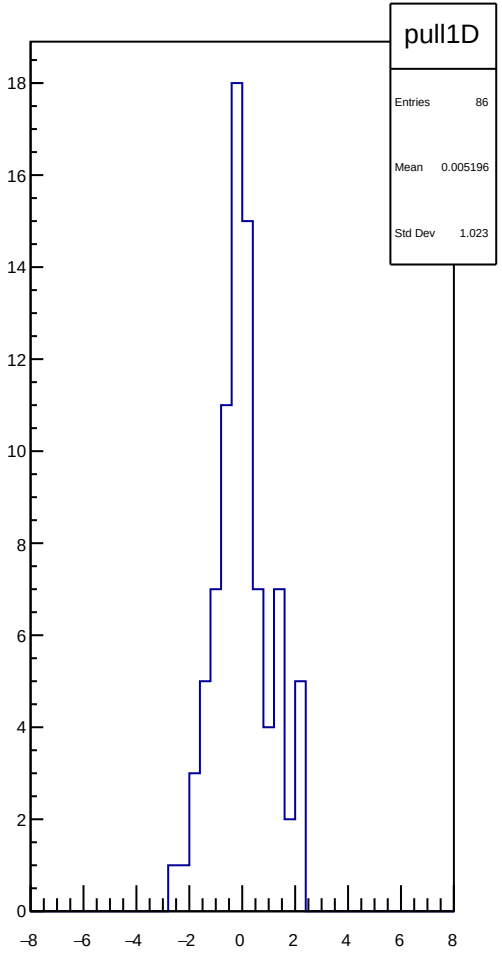

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 9071 / 85
p0 398.2 ± 0.3102
550
500
450
400
350

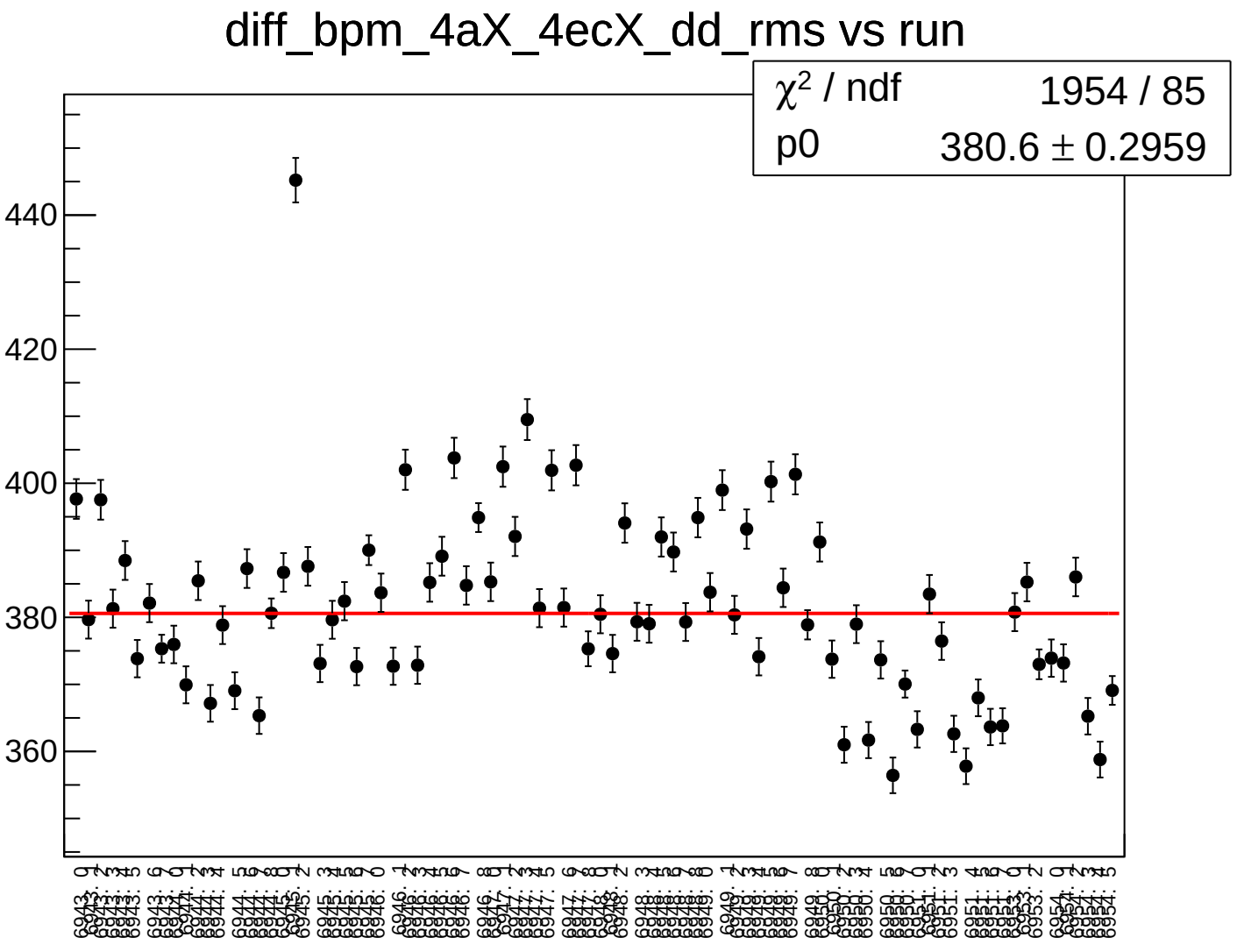

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 85.78 / 85
p0 −45.77 ± 12.68
400
200
0
−200
−400
pull
Entries 86
Mean −33.09
Std Dev 0
2
1
0
−1
−2

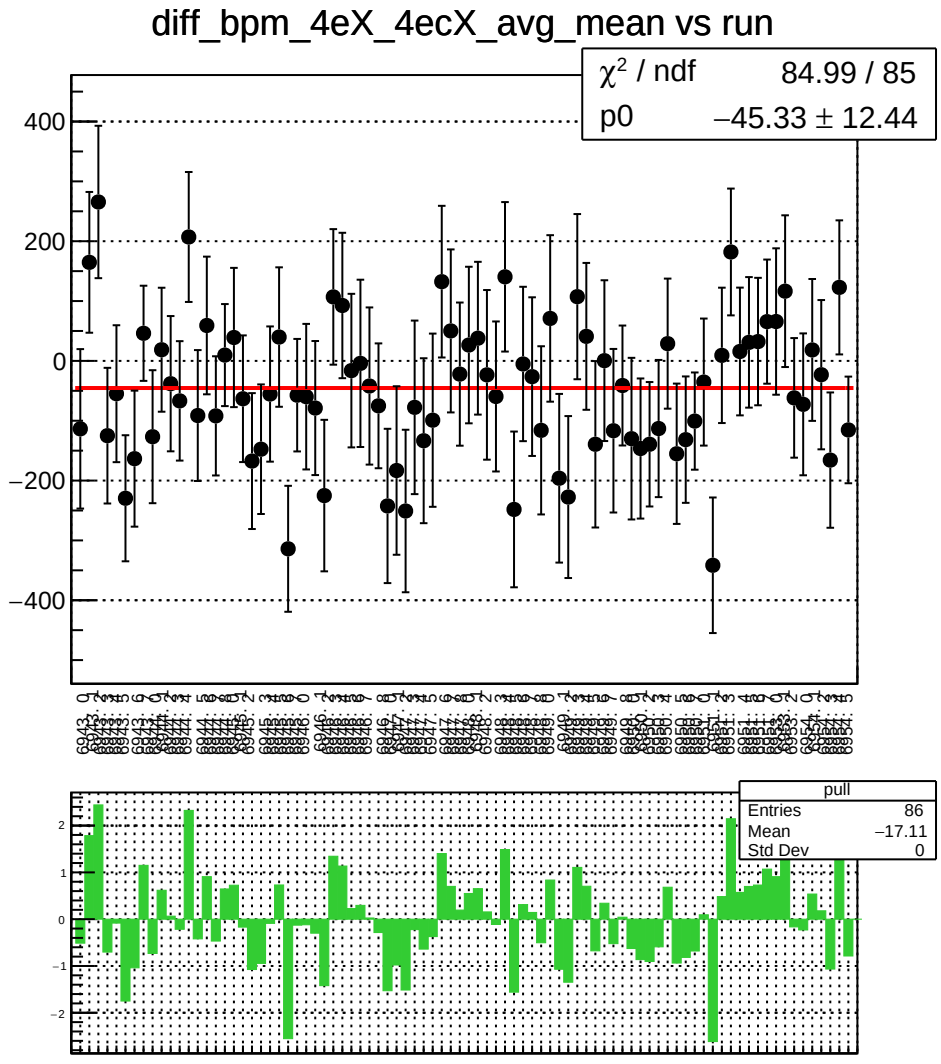

pull1D
Entries 86
Mean −0.004124
Std Dev 0.9987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

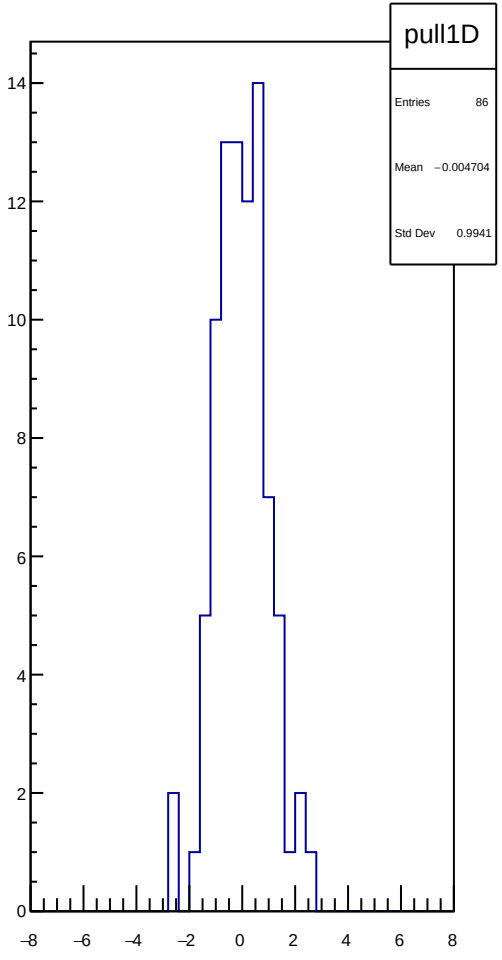

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 1.639e+04 / 85
p0 1.148e+04 ± 8.967
14000
13000
12000
11000
10000

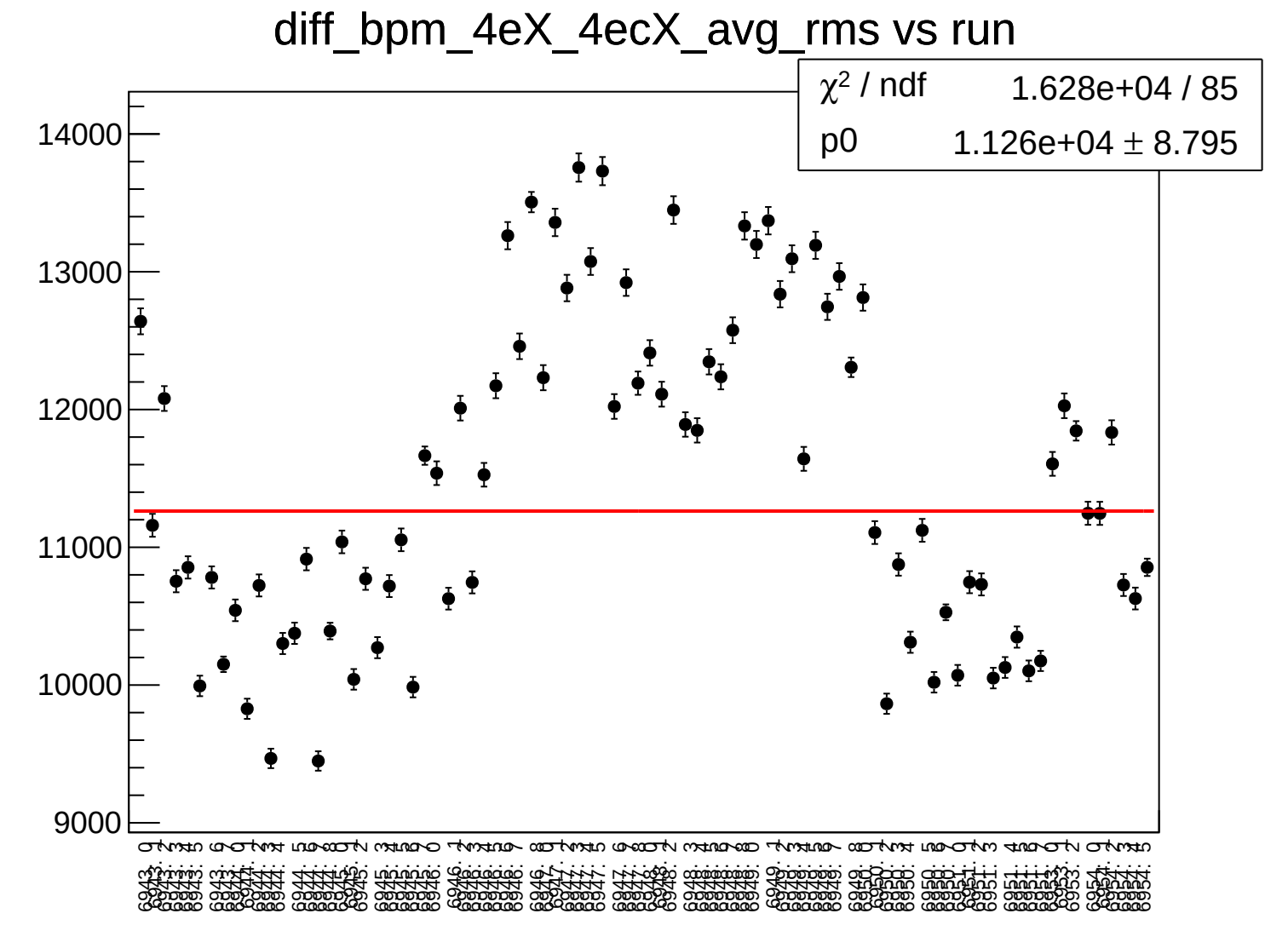

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 90.08 / 85
p0 −0.3618 ± 0.4185
pull
Entries 86
Mean 266.9
Std Dev 0

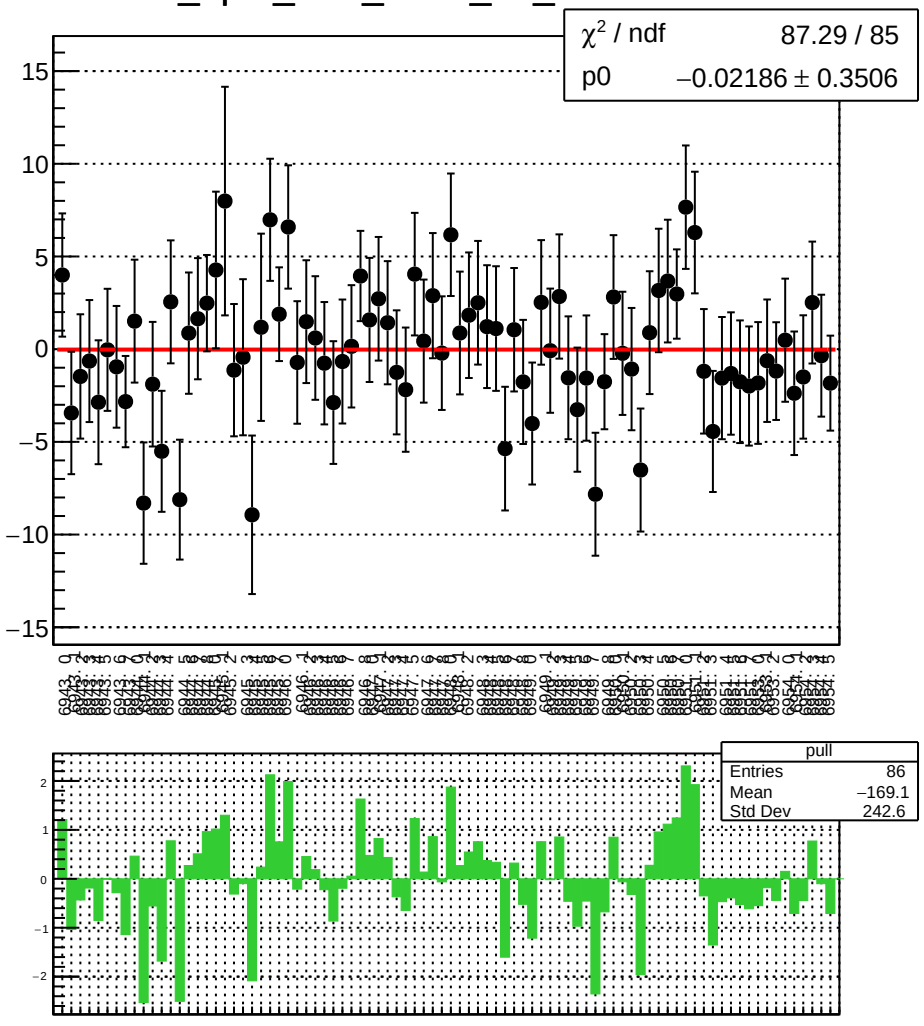

pull1D
Entries 86
Mean 0.005196
Std Dev 1.023

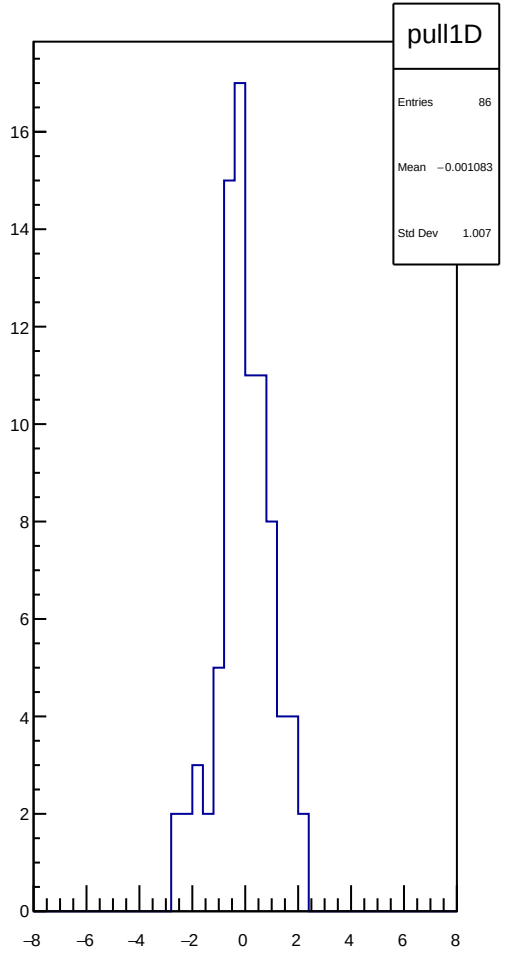

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 1954 / 85
p0 380.6 ± 0.2959
440
420
400
380
360

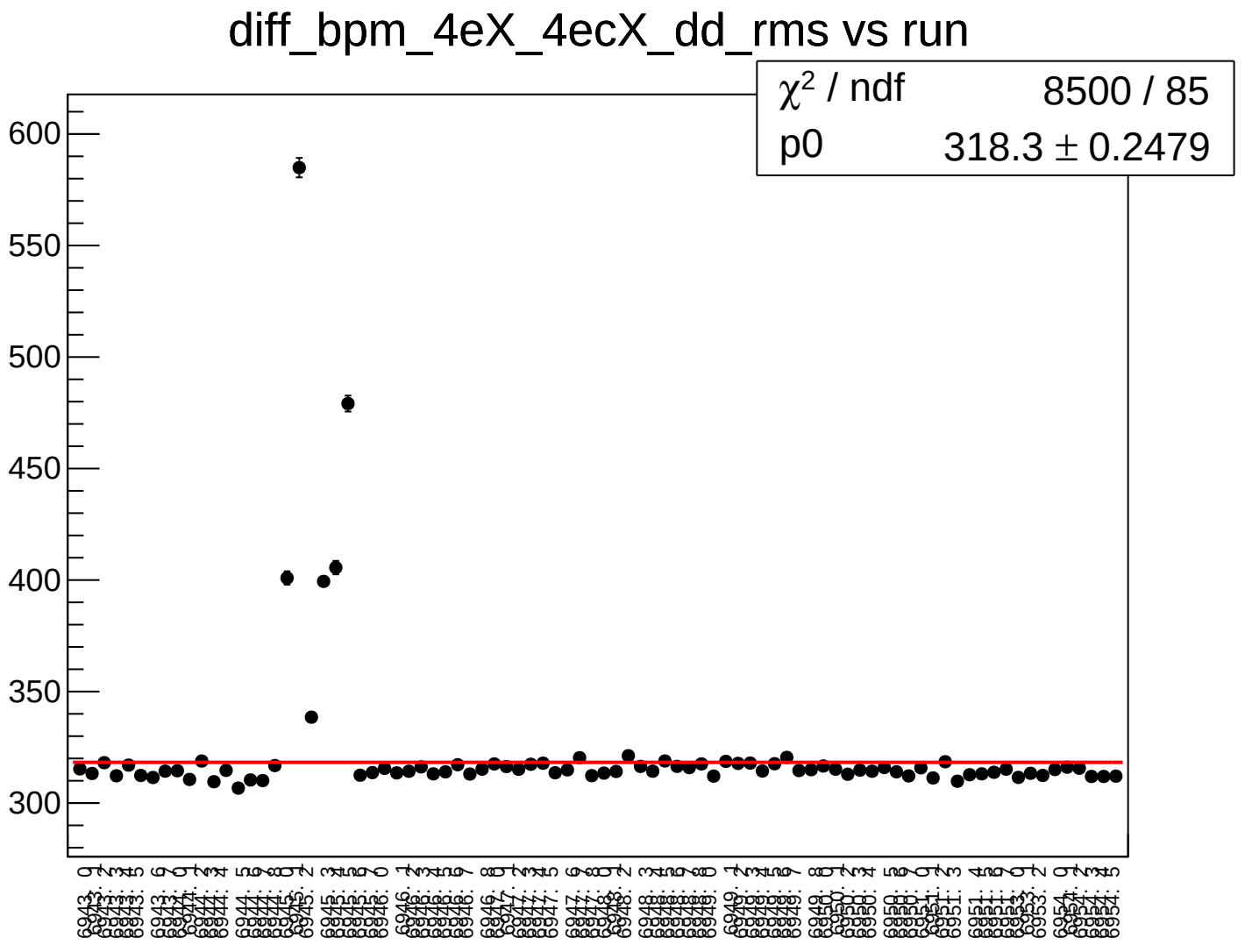

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 84.99 / 85
p0 −45.33 ± 12.44
400
200
0
−200
−400
pull
Entries 86
Mean −17.11
Std Dev 0
2
1
0
−1
−2

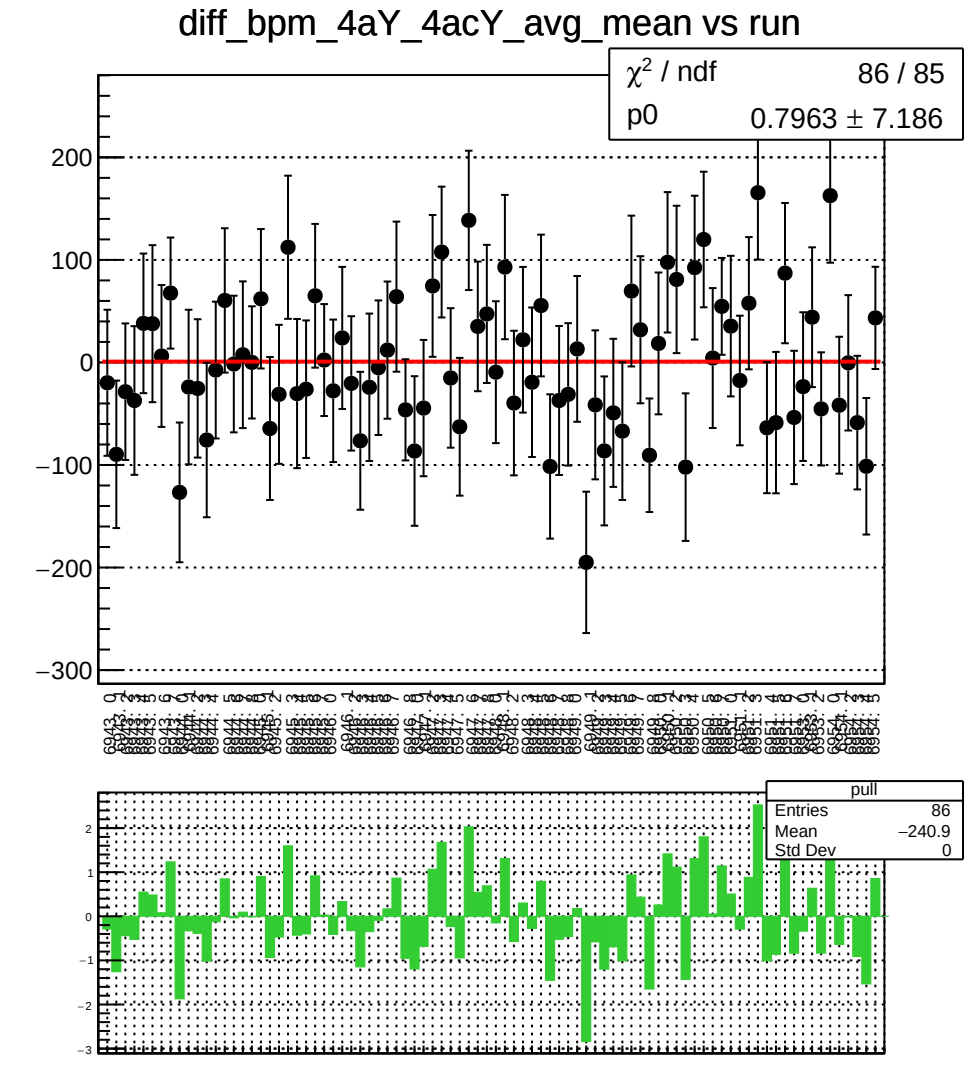

pull1D
Entries 86
Mean −0.004704
Std Dev 0.9941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

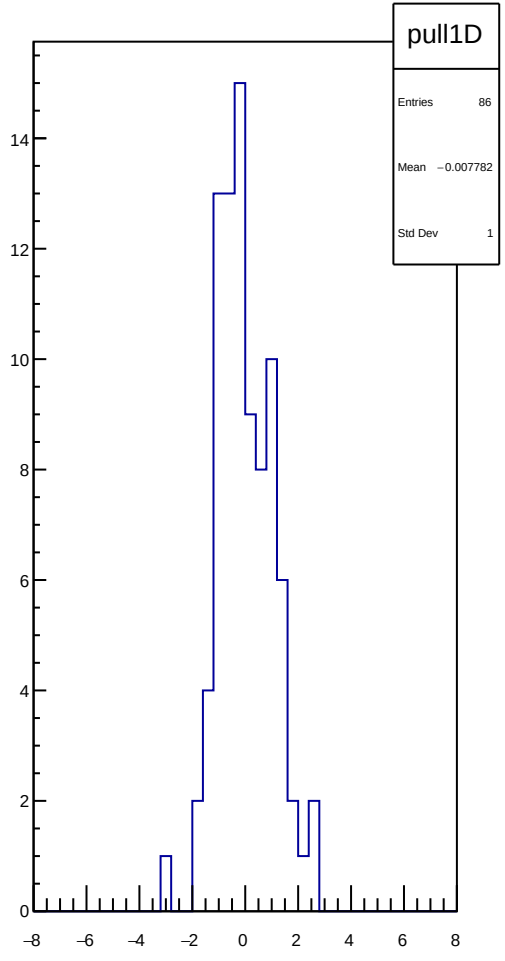

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 1.628e+04 / 85
p0 1.126e+04 ± 8.795
14000
13000
12000
11000
10000
9000

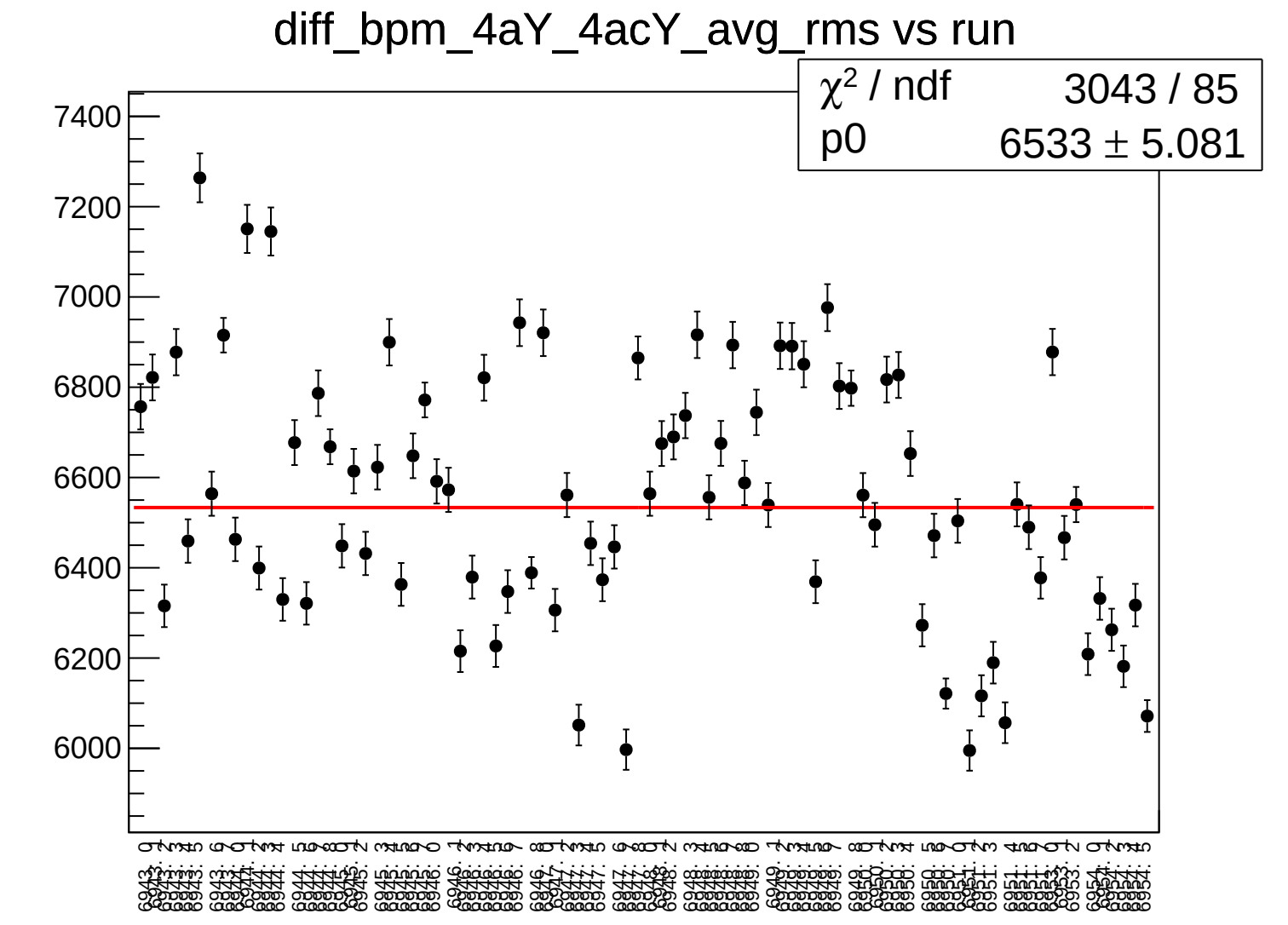

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 87.29 / 85
p0 −0.02186 ± 0.3506
pull
Entries 86
Mean −169.1
Std Dev 242.6

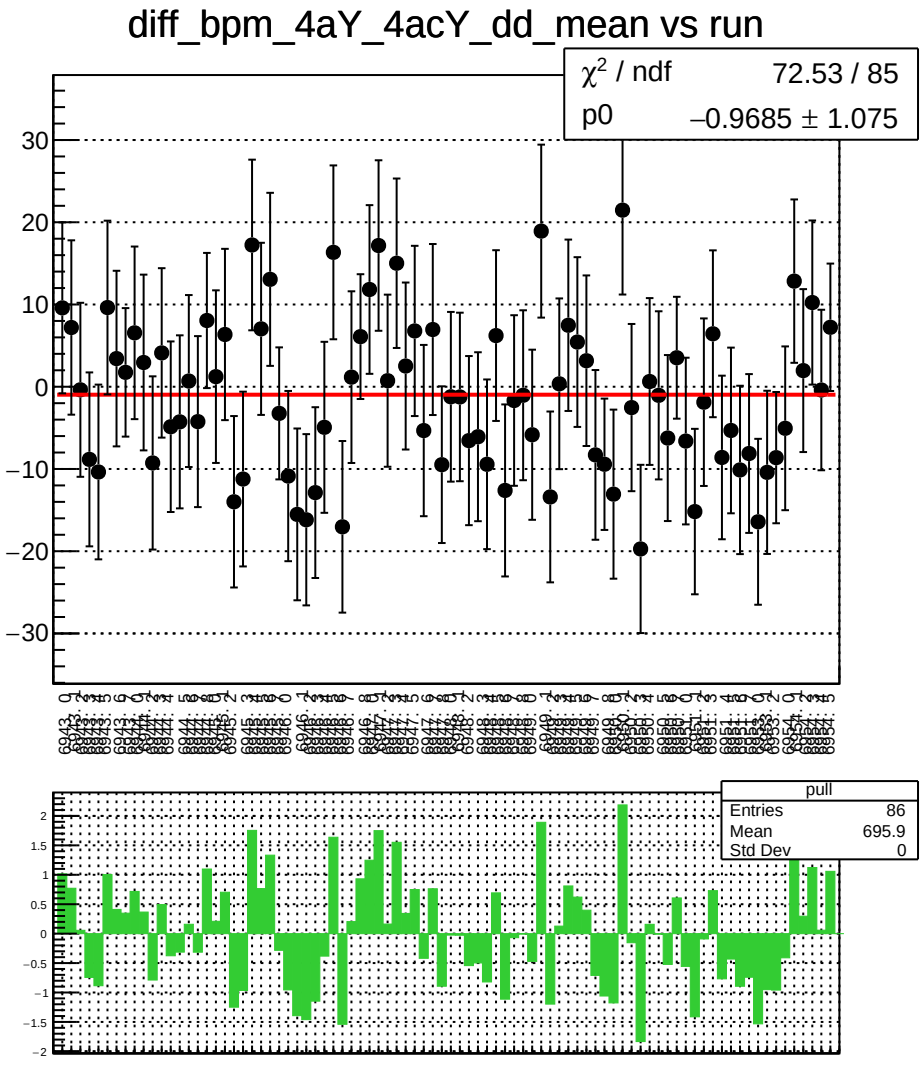

pull1D
Entries 86
Mean −0.001083
Std Dev 1.007

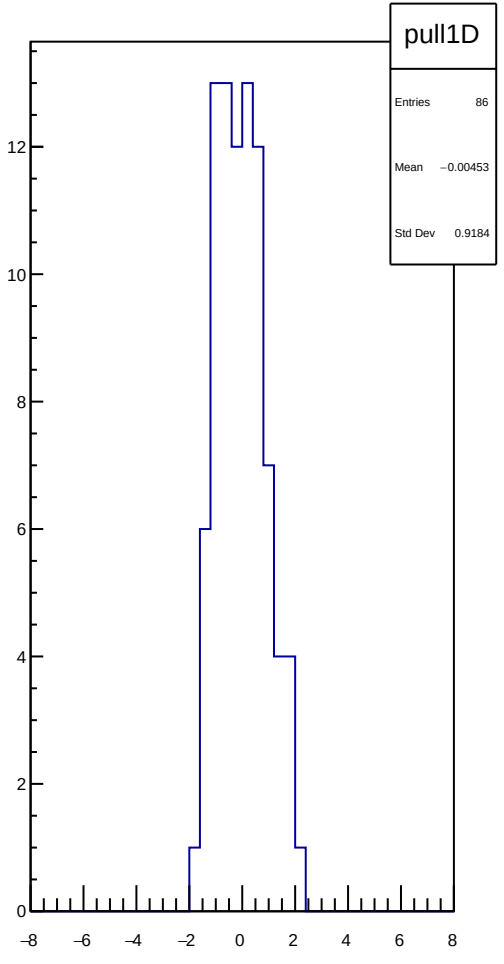

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 8500 / 85
p0 318.3 ± 0.2479
600
550
500
450
400
350
300

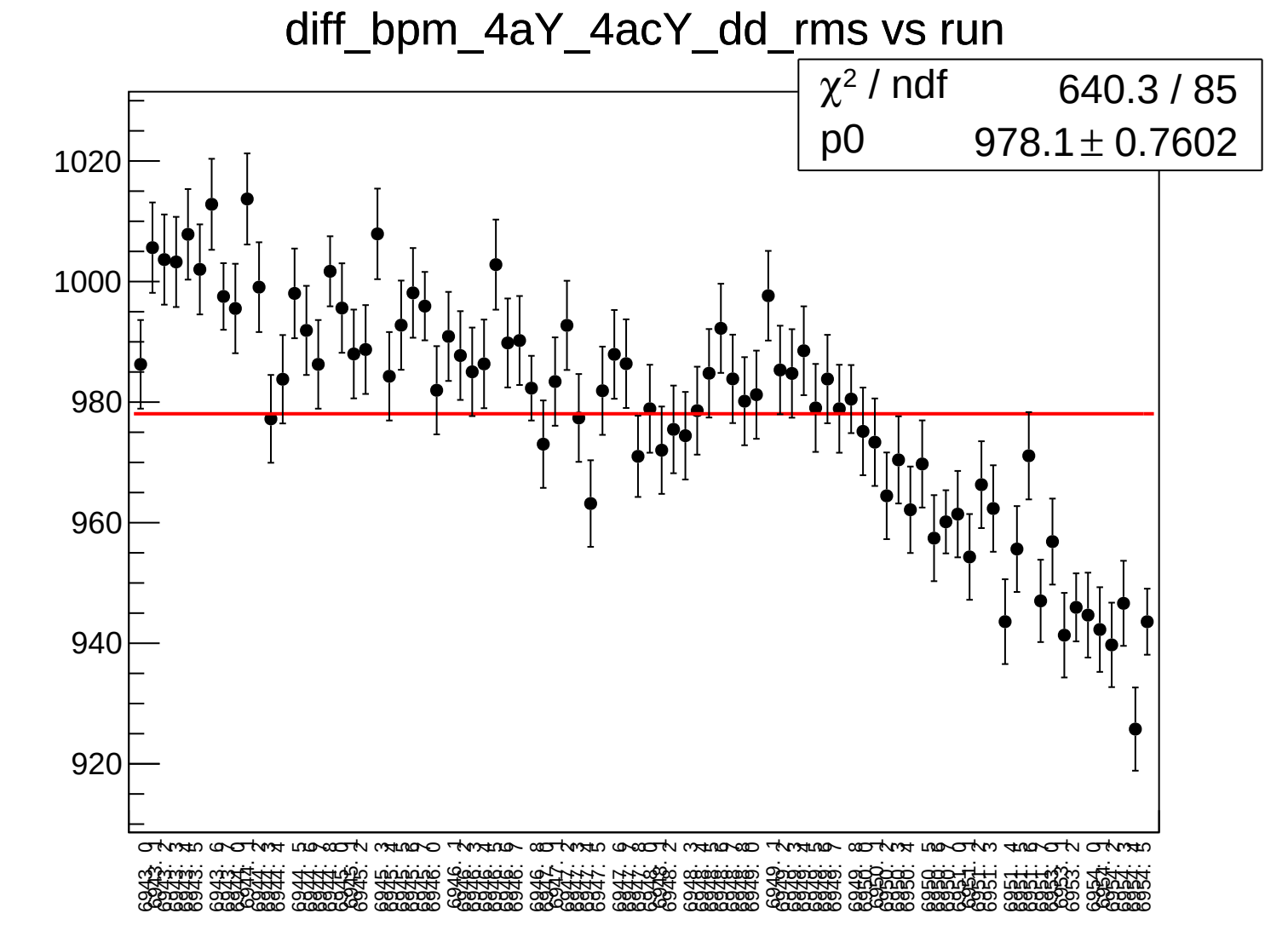

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 86 / 85
p0 0.7963 ± 7.186
pull
Entries 86
Mean −240.9
Std Dev 0

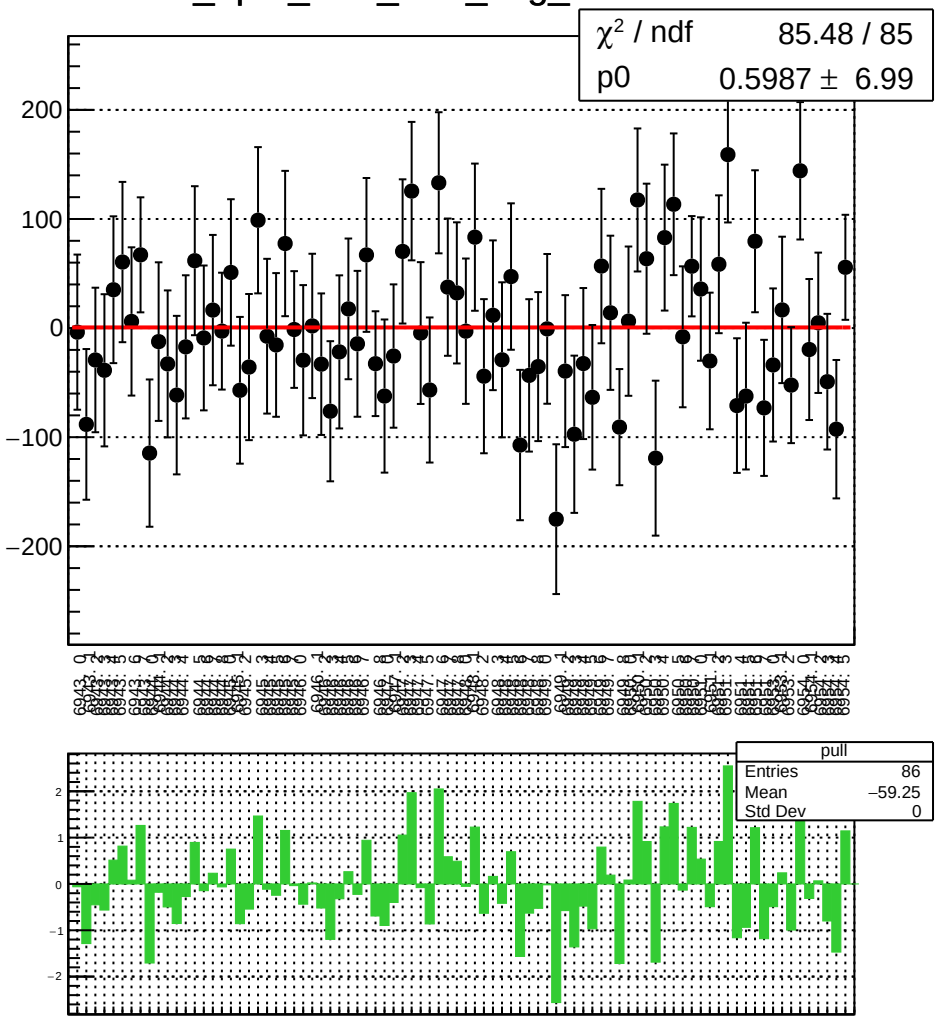

pull1D
Entries 86
Mean −0.007782
Std Dev 1

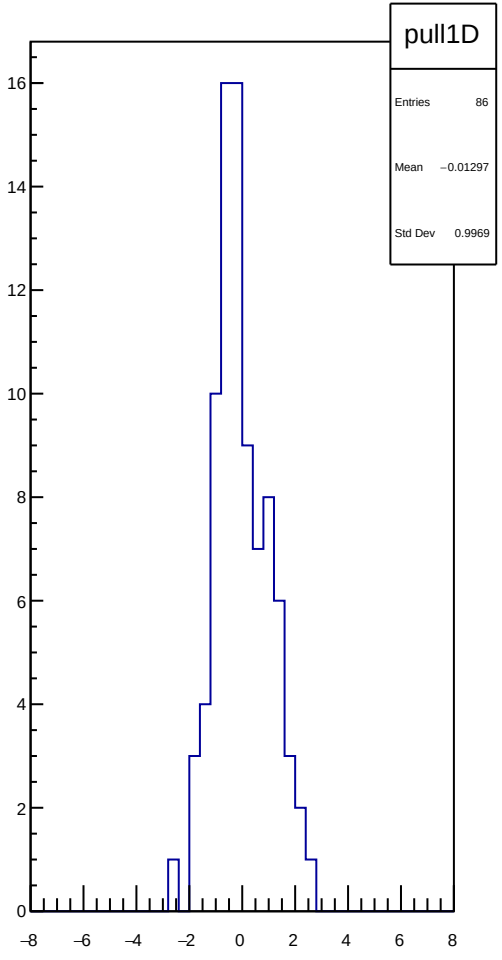

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3043 / 85
p0 6533 ± 5.081
7400
7200
7000
6800
6600
6400
6200
6000

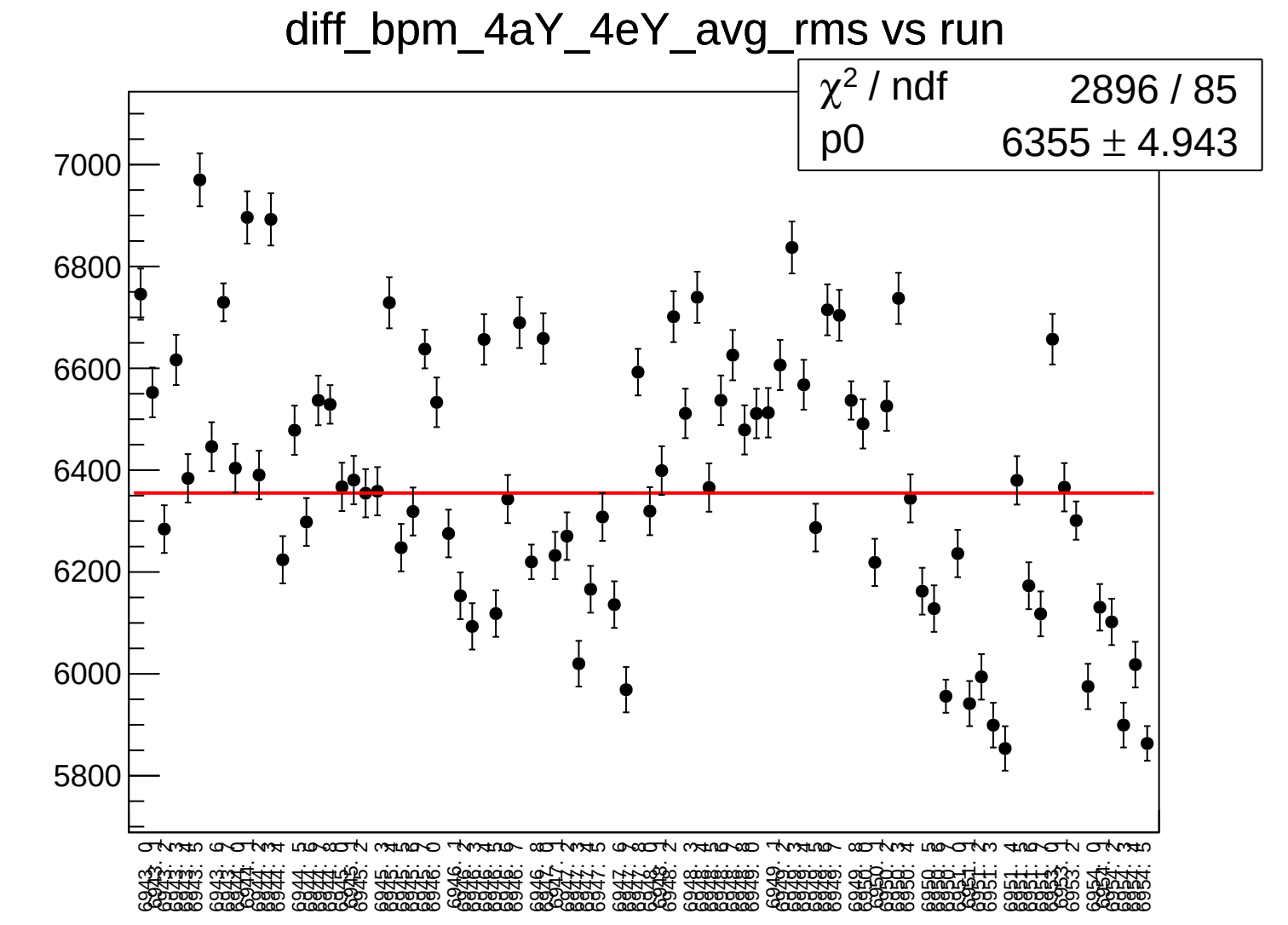

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 72.53 / 85
p0 −0.9685 ± 1.075
pull
Entries 86
Mean 695.9
Std Dev 0

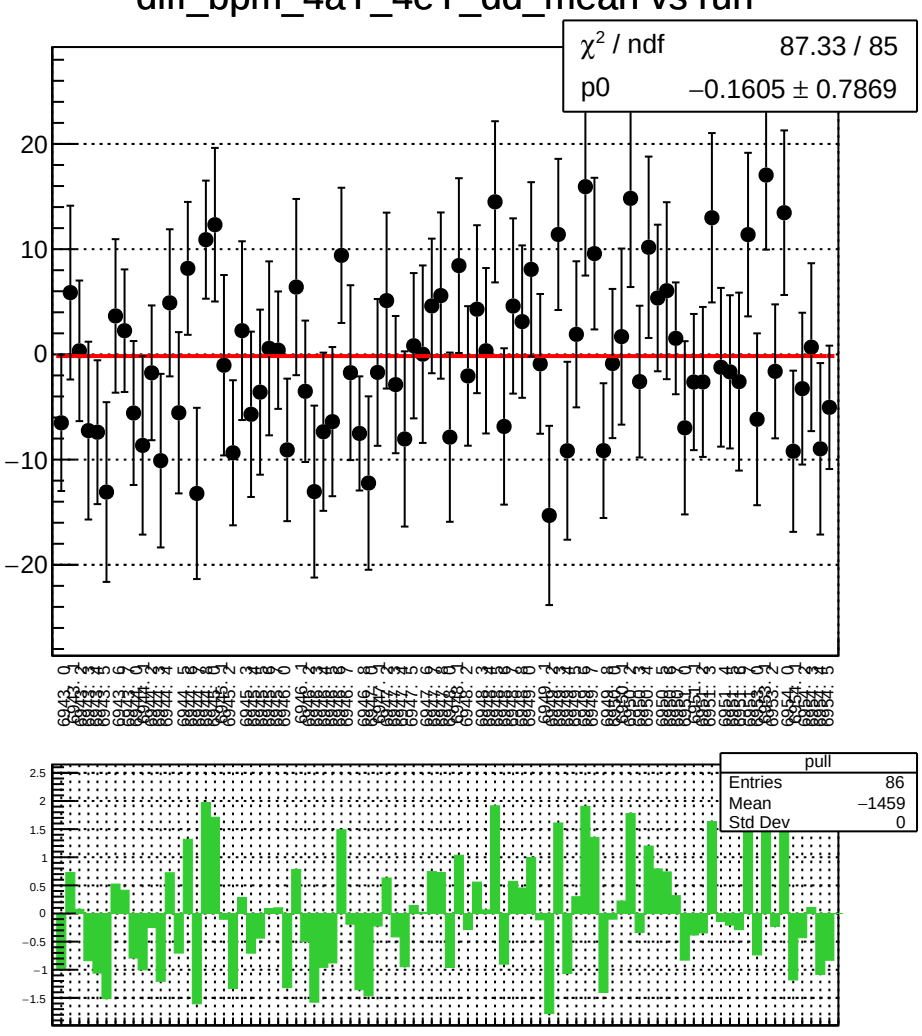

pull1D
Entries 86
Mean −0.00453
Std Dev 0.9184

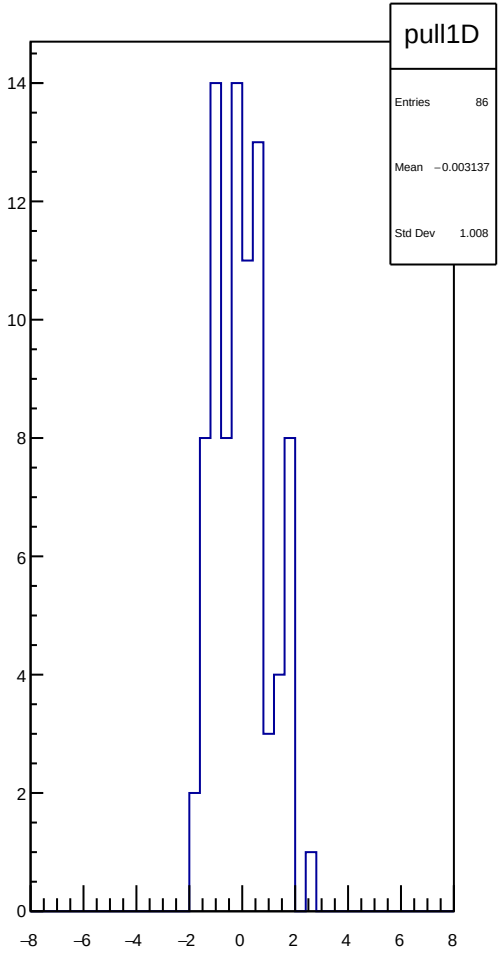

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 640.3 / 85
p0 978.1 ± 0.7602
1020
1000
980
960
940
920

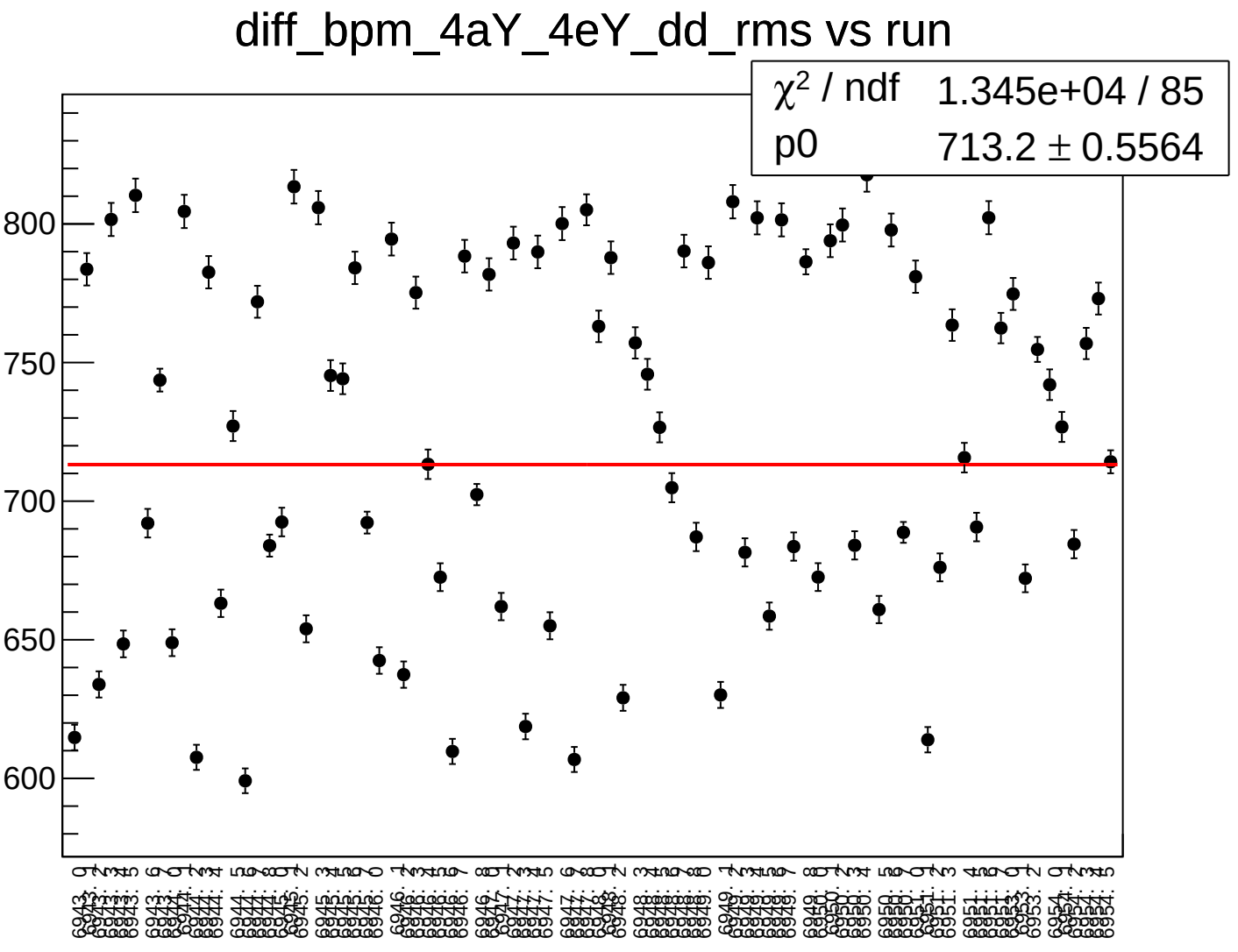

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 85.48 / 85
p0 0.5987 ± 6.99
200
100
0
−100
−200
pull
Entries 86
Mean −59.25
Std Dev 0
2
1
0
−1
−2

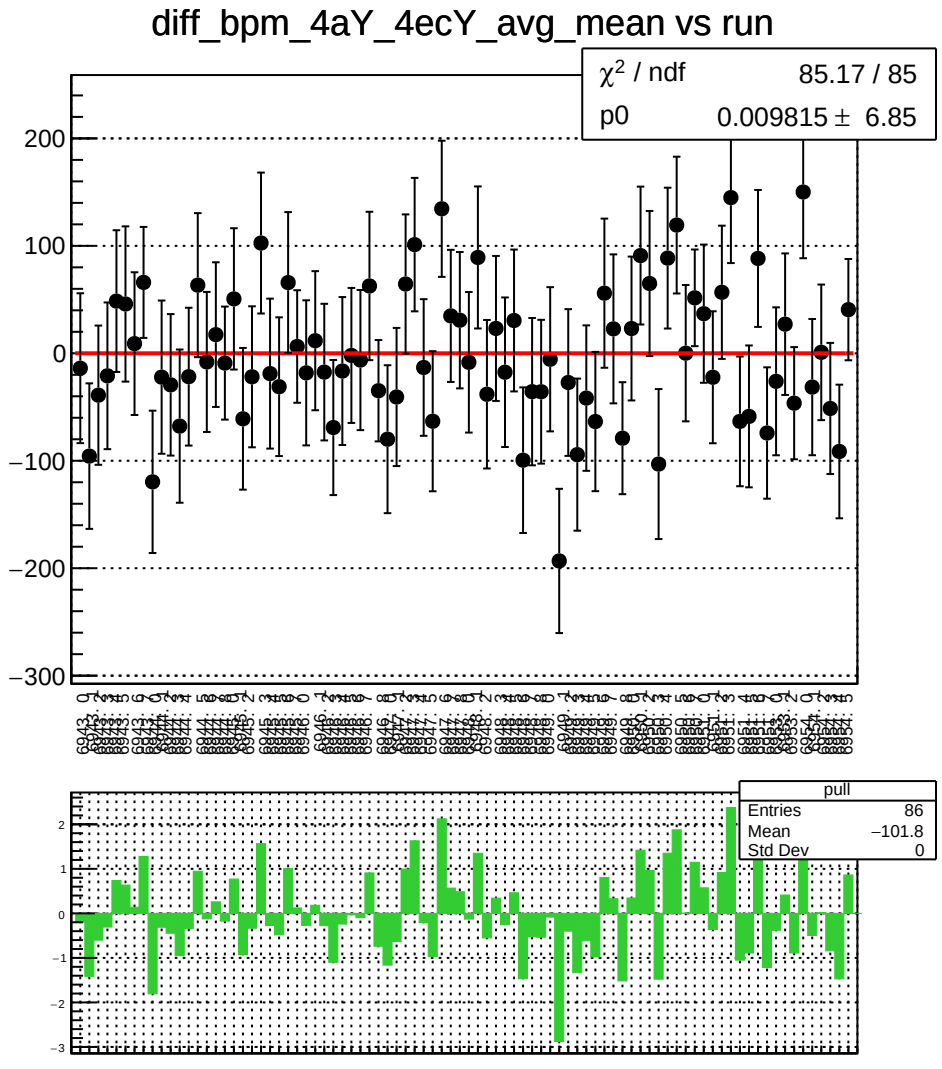

pull1D
Entries 86
Mean −0.01297
Std Dev 0.9969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

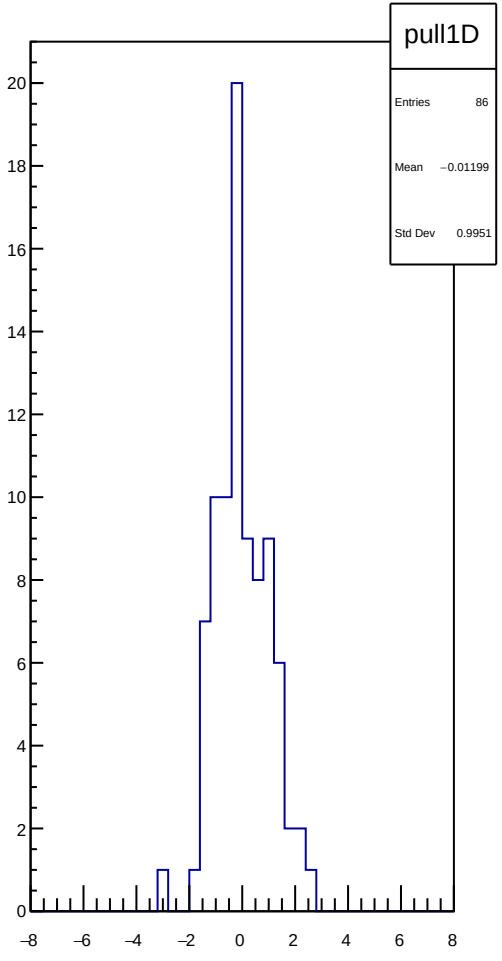

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2896 / 85
p0 6355 ± 4.943
7000
6800
6600
6400
6200
6000
5800

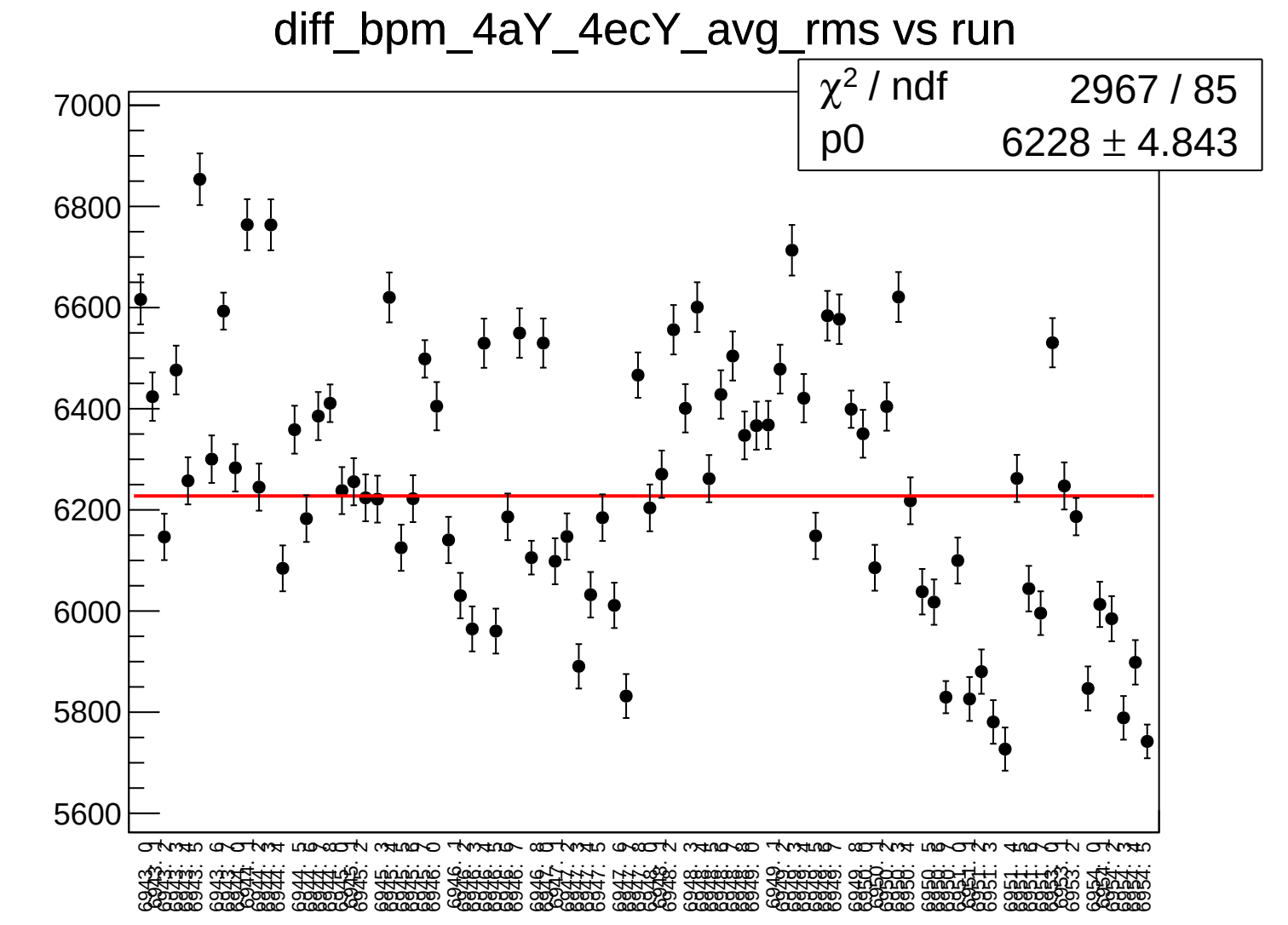

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 87.33 / 85
p0 −0.1605 ± 0.7869
pull
Entries 86
Mean −1459
Std Dev 0

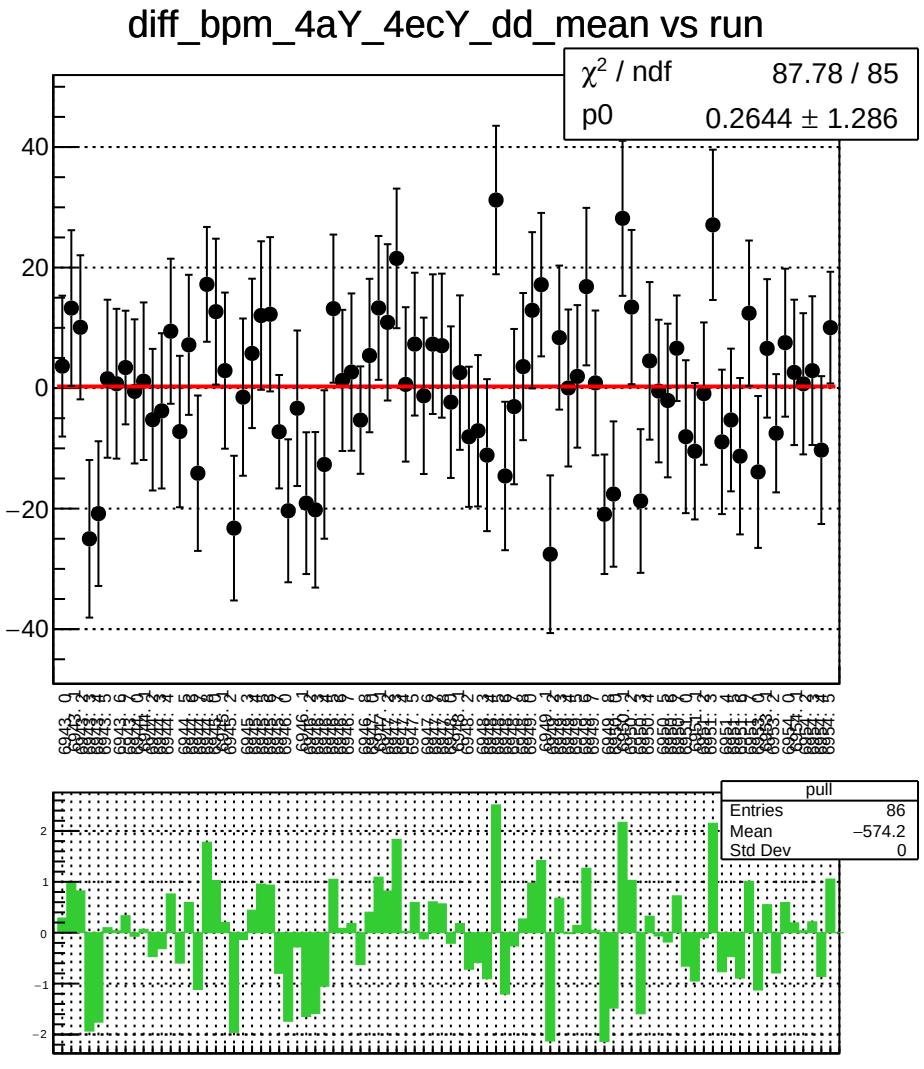

pull1D
Entries 86
Mean −0.003137
Std Dev 1.008

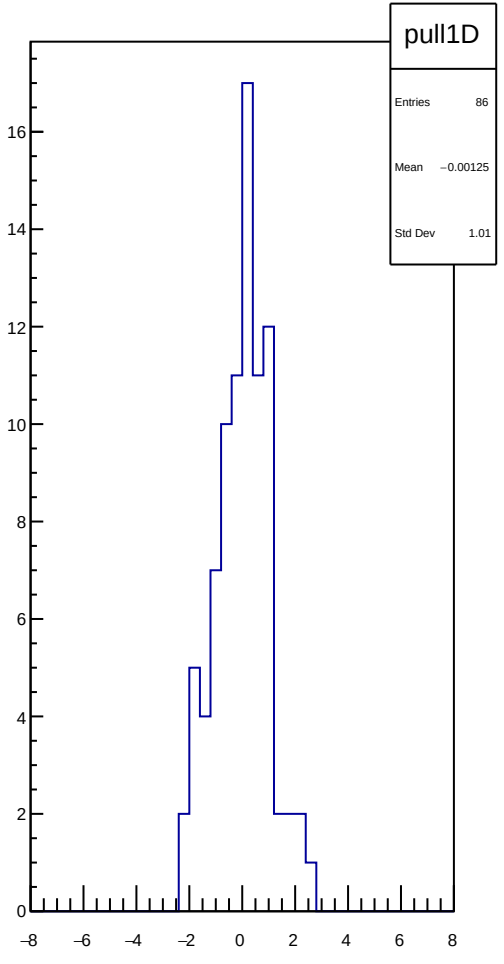

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 1.345e+04 / 85
p0 713.2 ± 0.5564
800
750
700
650
600

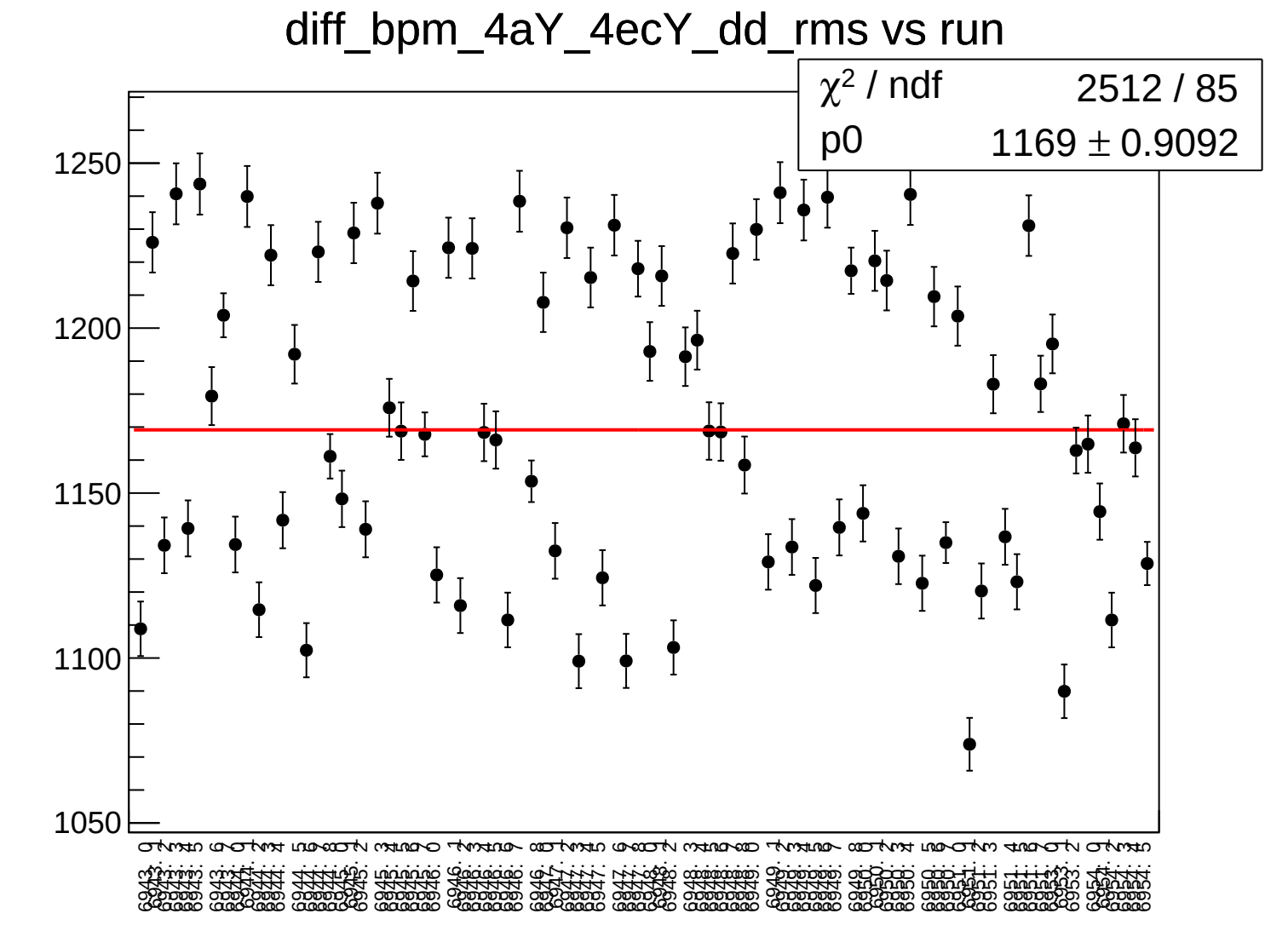

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 85.17 / 85
p0 0.009815 ± 6.85
pull
Entries 86
Mean −101.8
Std Dev 0

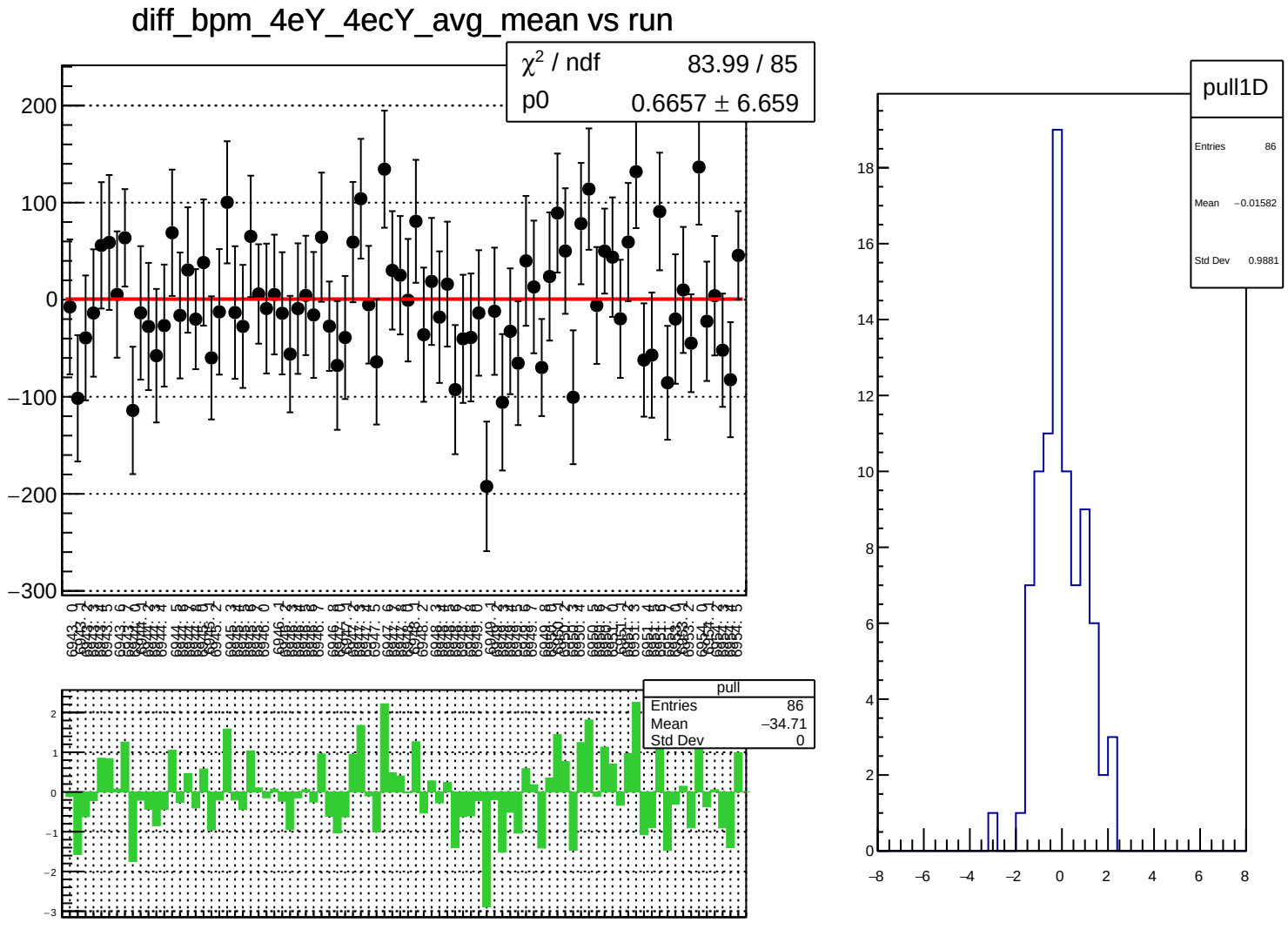

pull1D
Entries 86
Mean −0.01199
Std Dev 0.9951

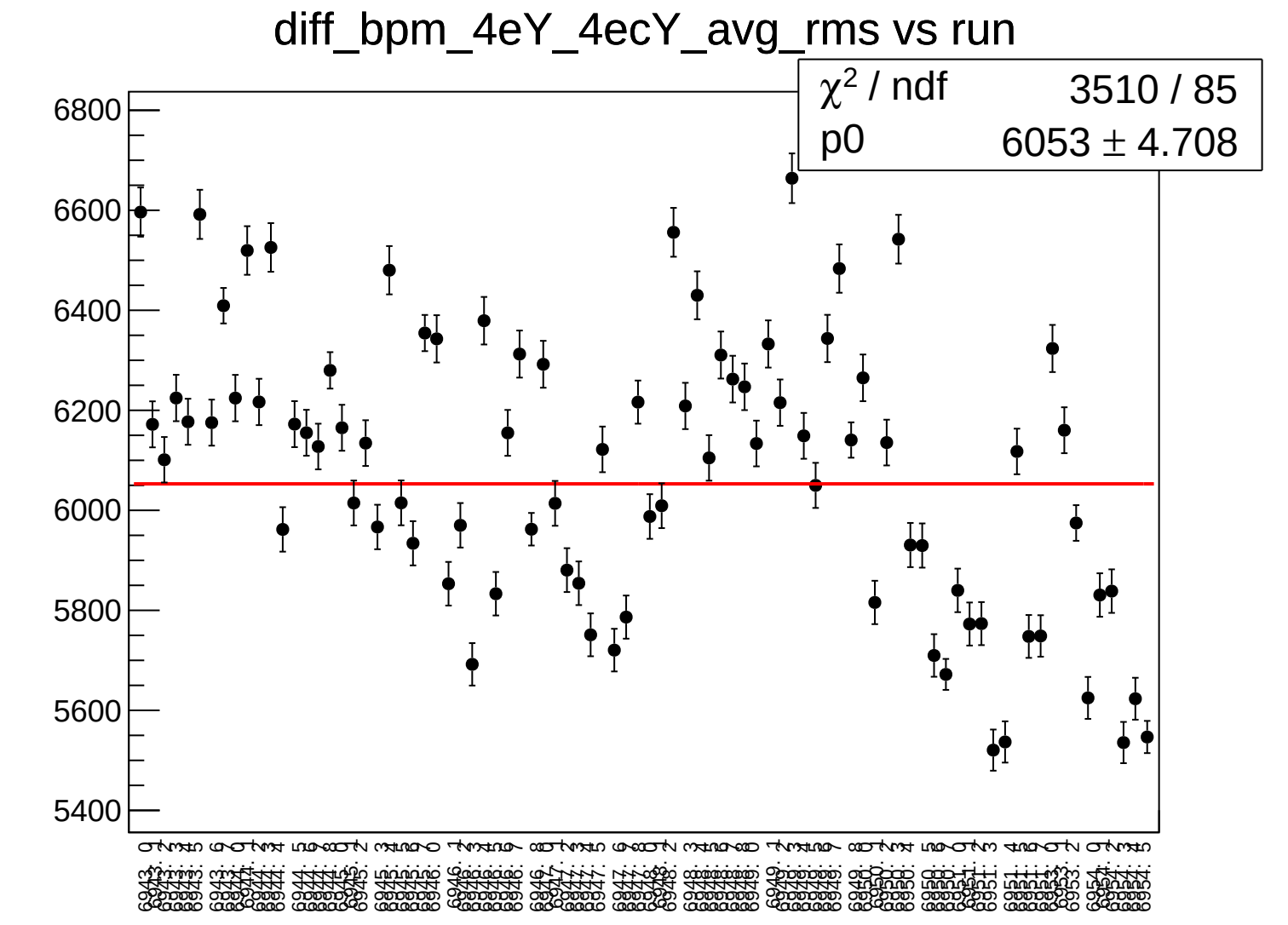

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2967 / 85
p0 6228 ± 4.843
7000
6800
6600
6400
6200
6000
5800
5600

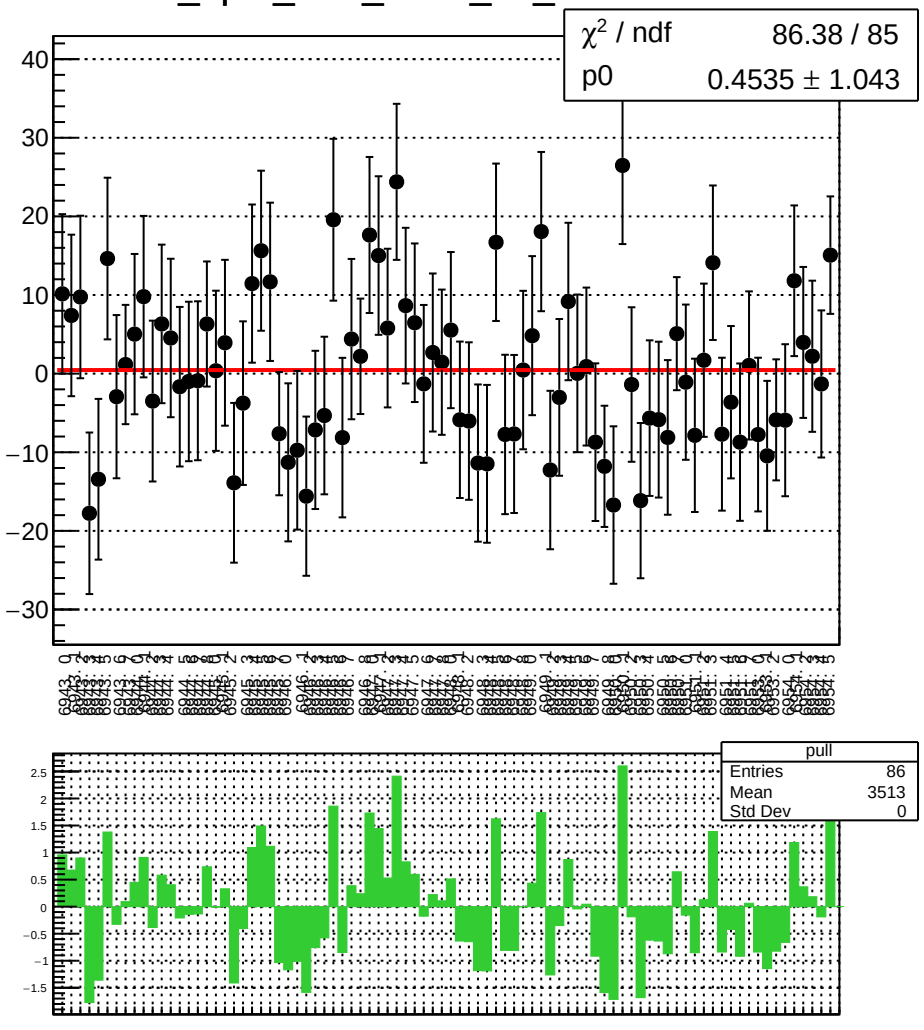

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 87.78 / 85
p0 0.2644 ± 1.286
pull
Entries 86
Mean −574.2
Std Dev 0

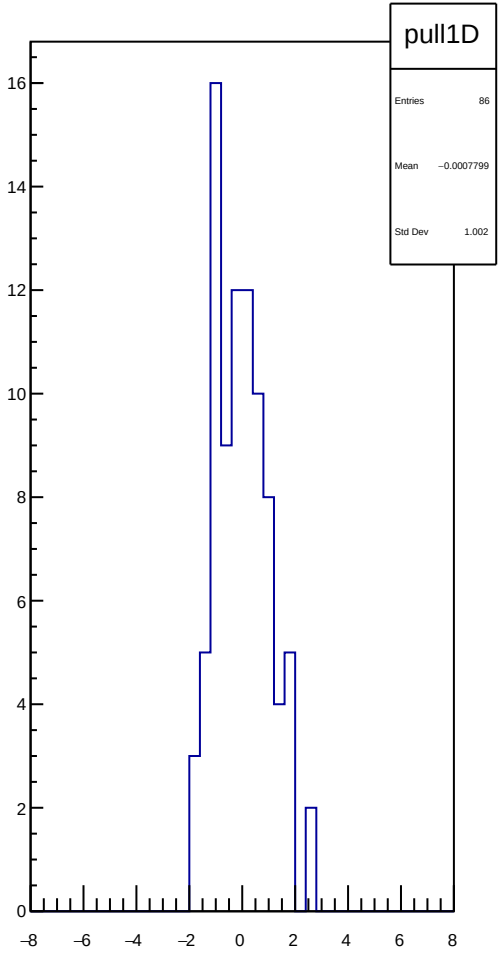

pull1D
Entries 86
Mean −0.00125
Std Dev 1.01

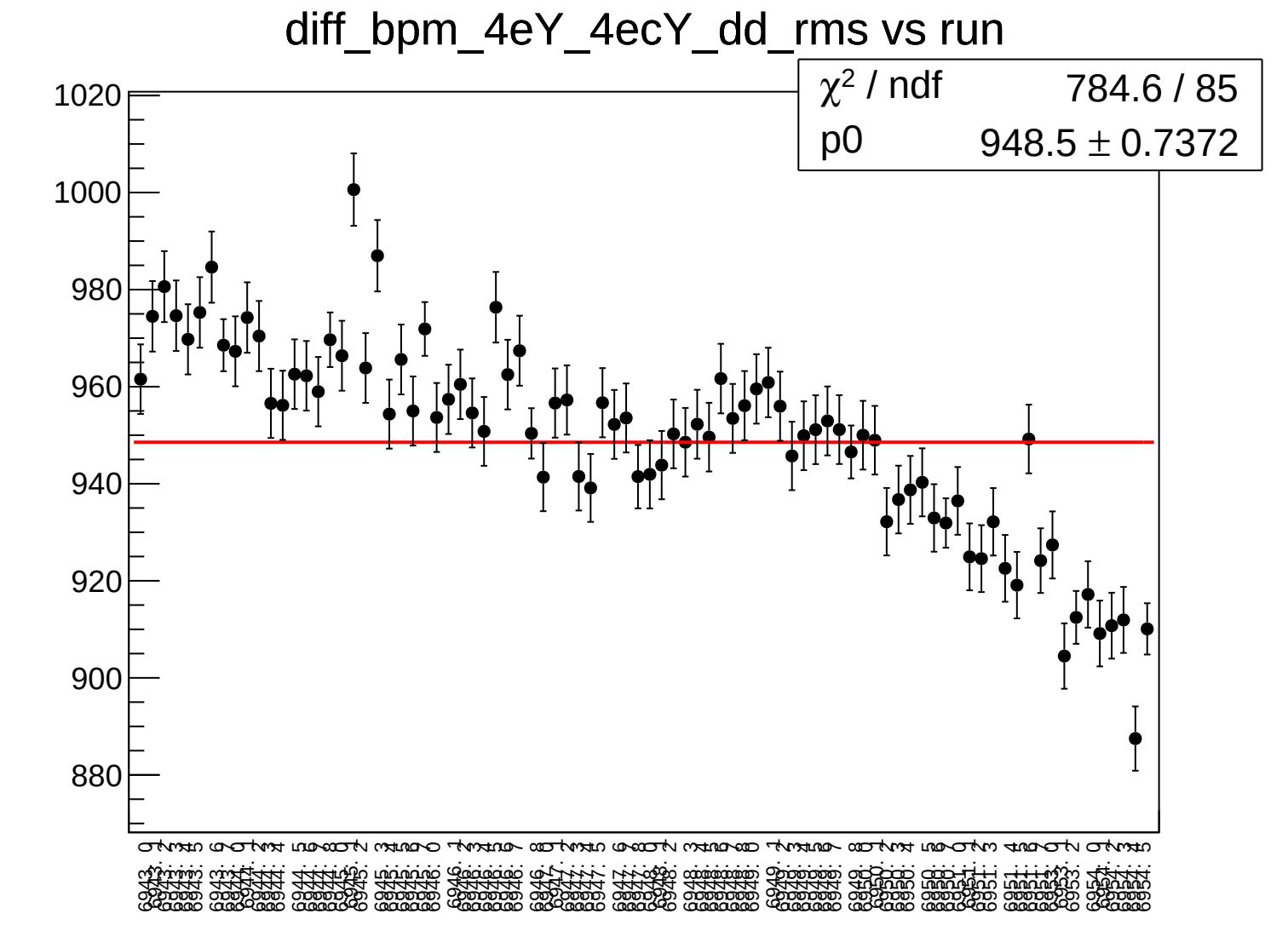

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 2512 / 85
p0 1169 ± 0.9092
1250
1200
1150
1100
1050

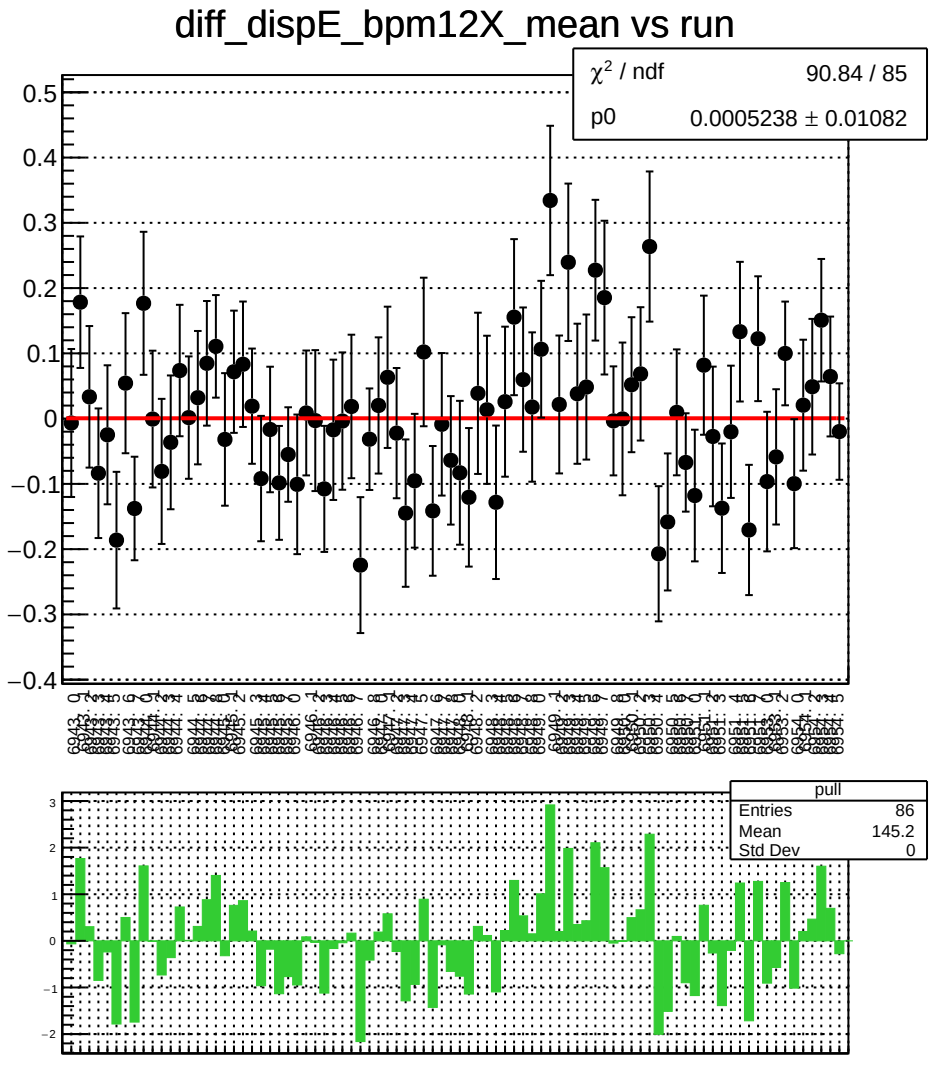

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 83.99 / 85
p0 0.6657 ± 6.659
pull
Entries 86
Mean −34.71
Std Dev 0
pull1D
Entries 86
Mean −0.01582
Std Dev 0.9881

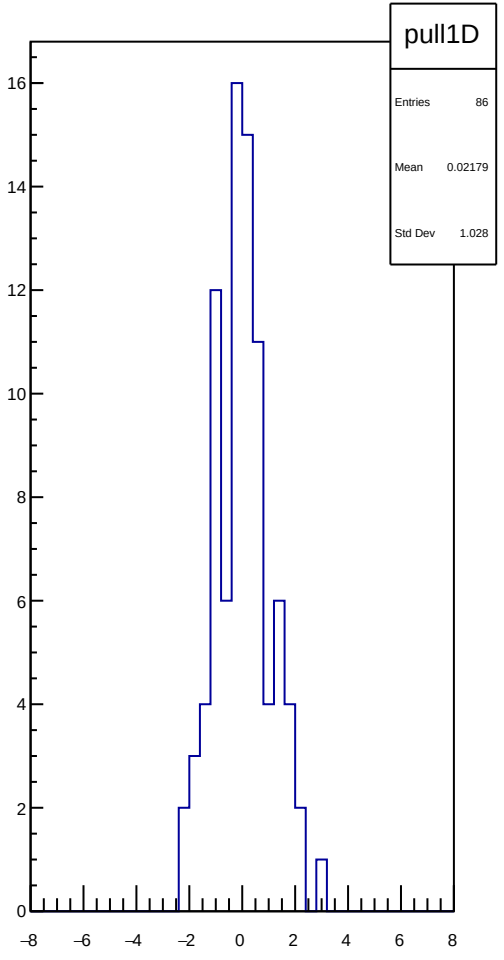

diff_bpm_4eY_4ecY_avg_rms vs run
χ^2 / ndf 3510 / 85
p0 6053 ± 4.708
6800
6600
6400
6200
6000
5800
5600
5400

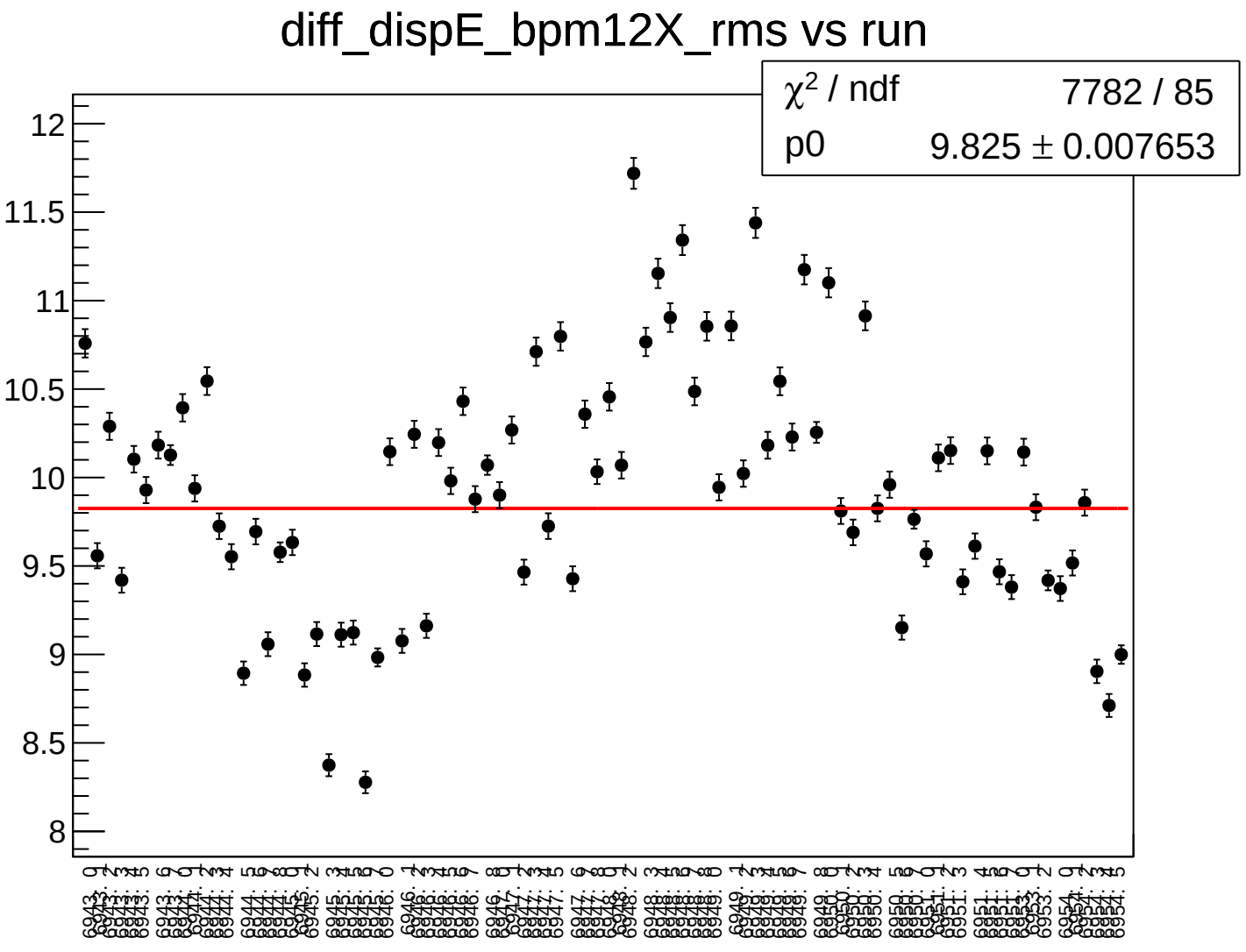

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 86.38 / 85
p0 0.4535 ± 1.043
pull
Entries 86
Mean 3513
Std Dev 0

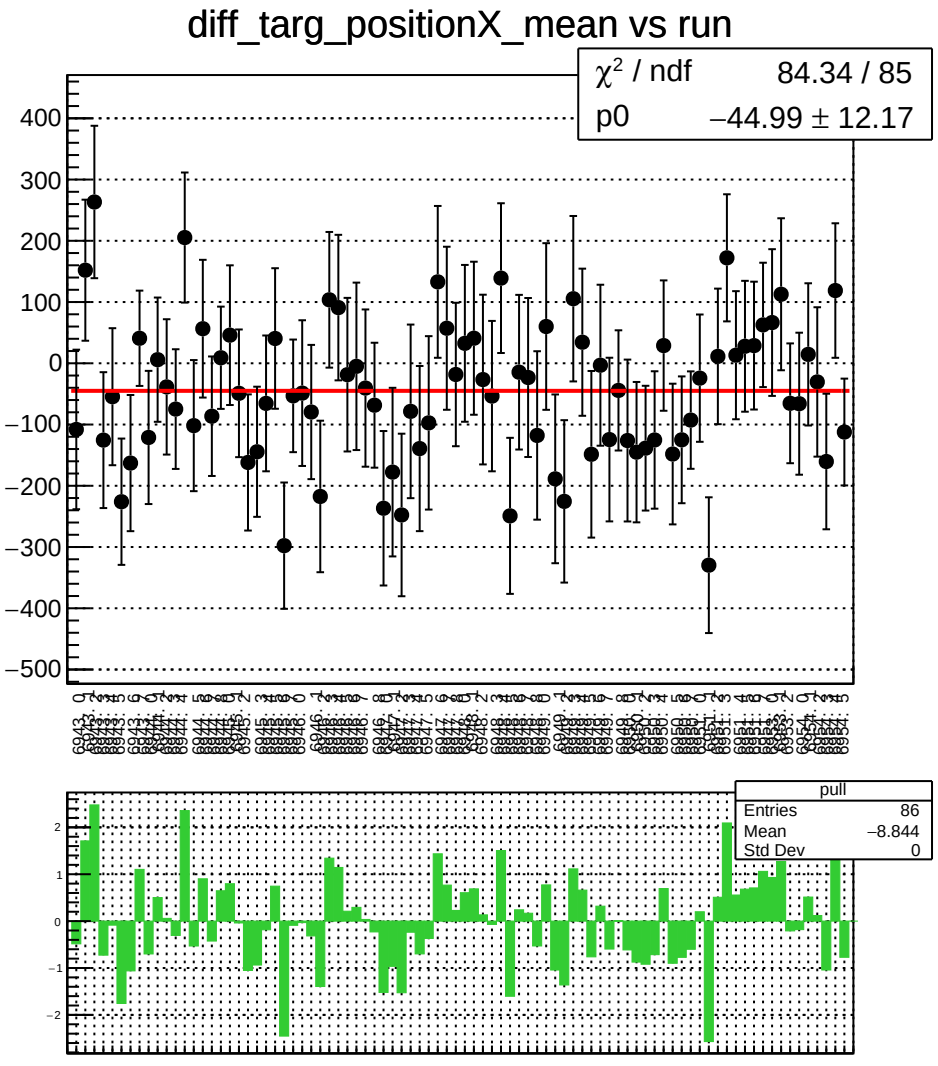

pull1D
Entries 86
Mean −0.0007799
Std Dev 1.002

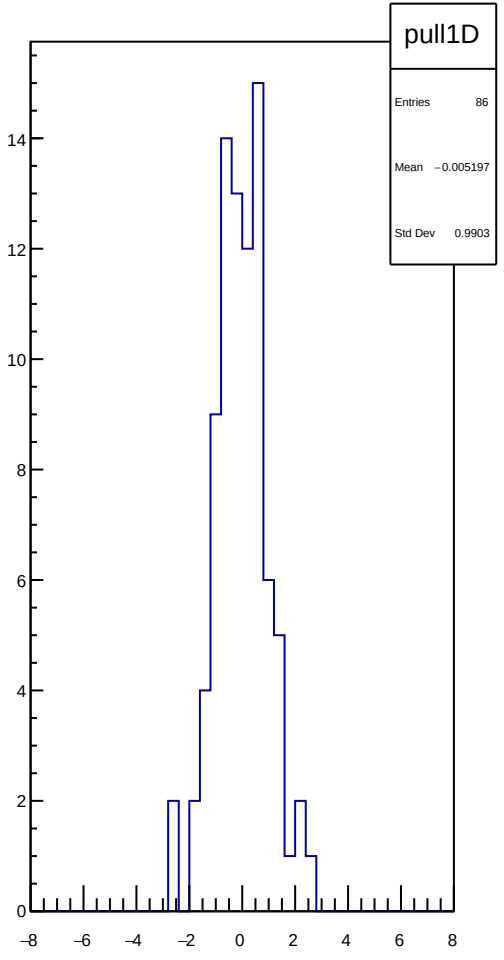

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 784.6 / 85
p0 948.5 ± 0.7372
1020
1000
980
960
940
920
900
880

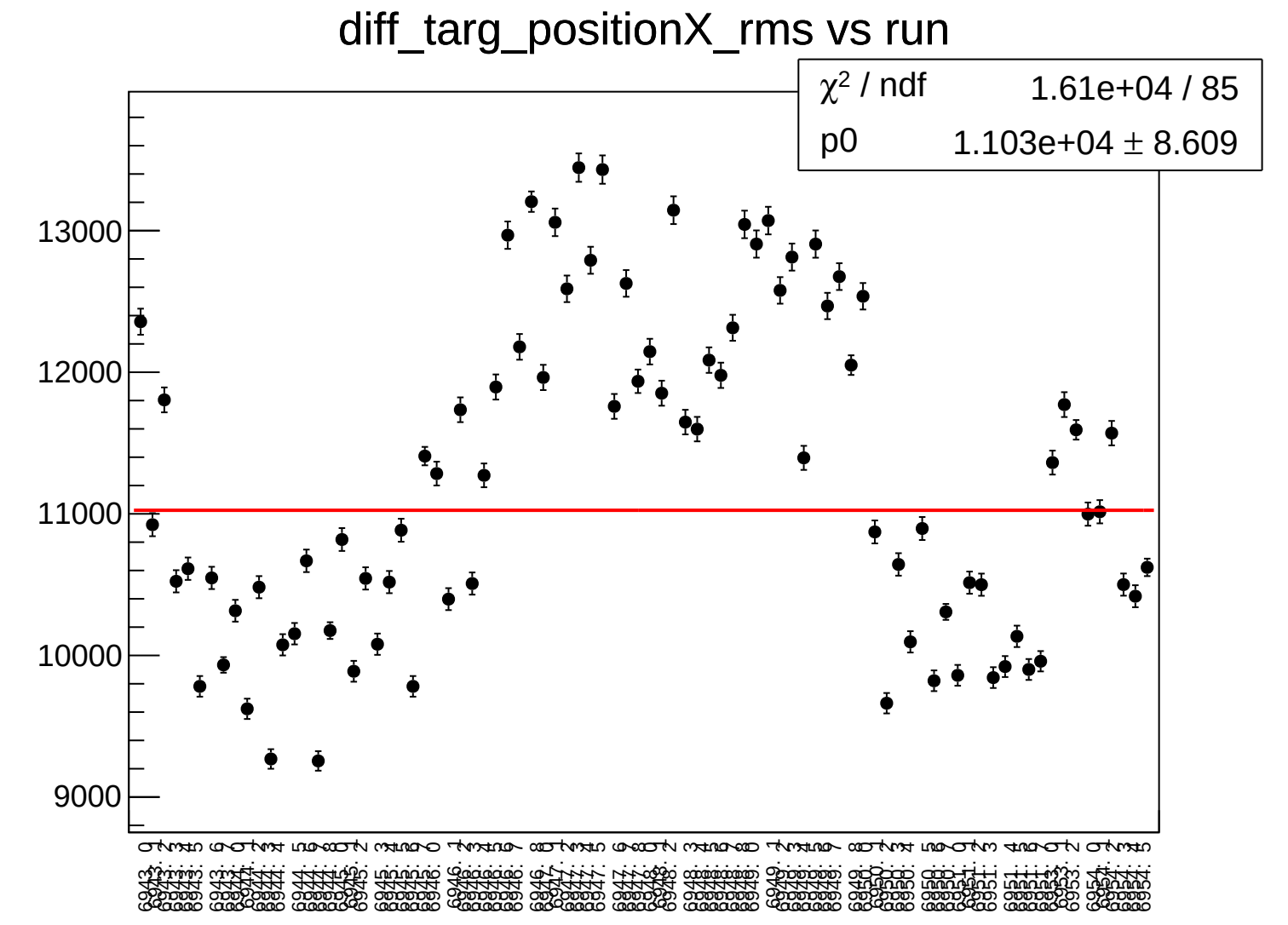

diff_dispE_bpm12X_mean vs run
χ² / ndf 90.84 / 85
p0 0.0005238 ± 0.01082
pull
Entries 86
Mean 145.2
Std Dev 0

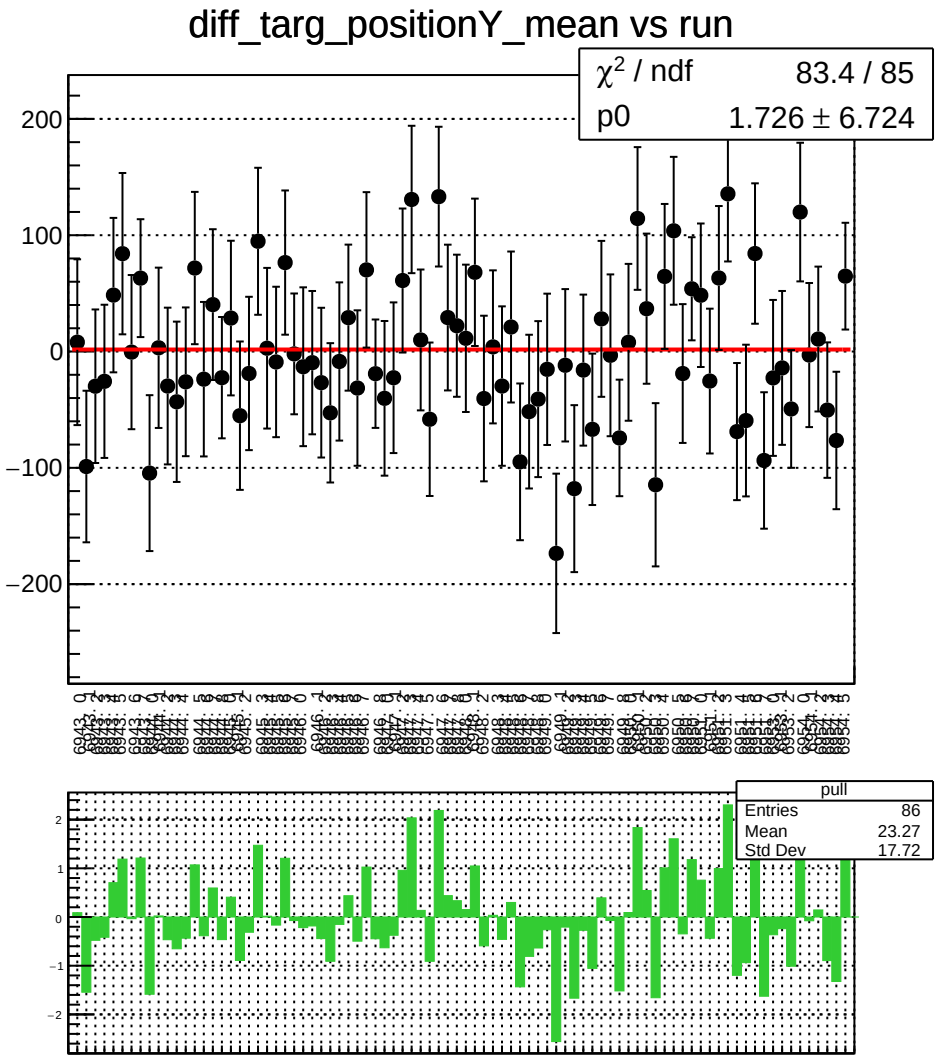

pull1D
Entries 86
Mean 0.02179
Std Dev 1.028

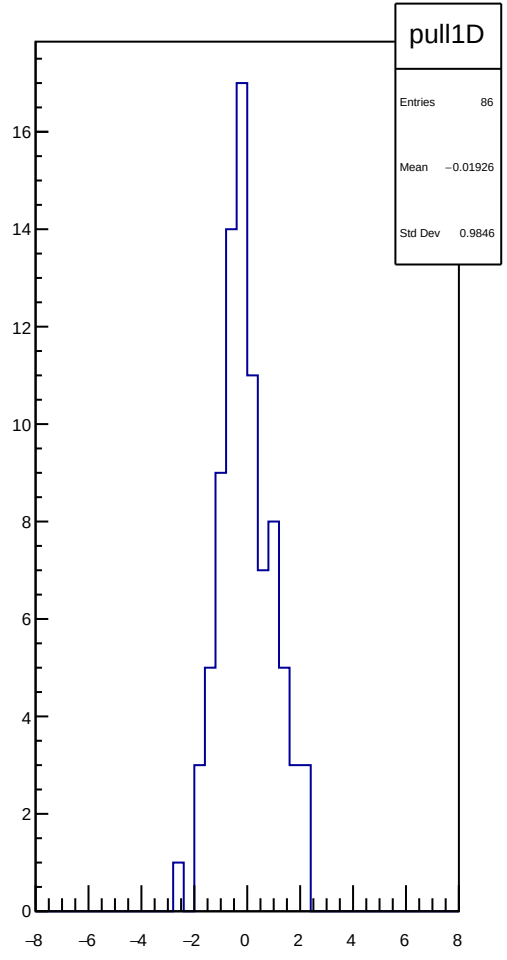

diff_dispE_bpm12X_rms vs run
χ^2 / ndf 7782 / 85
p0 9.825 ± 0.007653
12
11.5
11
10.5
10
9.5
9
8.5
8

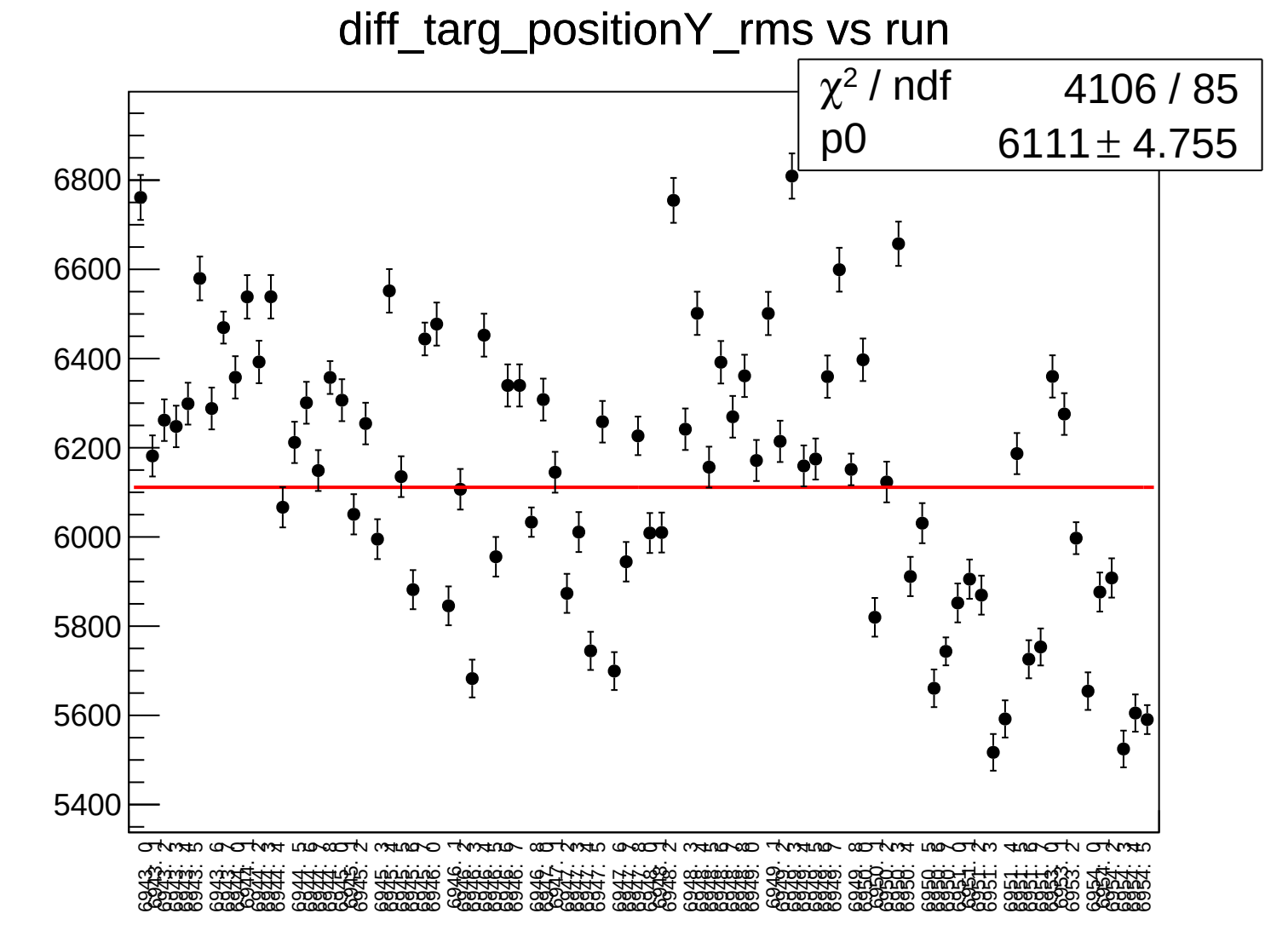

diff_targ_positionX_mean vs run
χ² / ndf 84.34 / 85
p0 −44.99 ± 12.17
pull
Entries 86
Mean −8.844
Std Dev 0

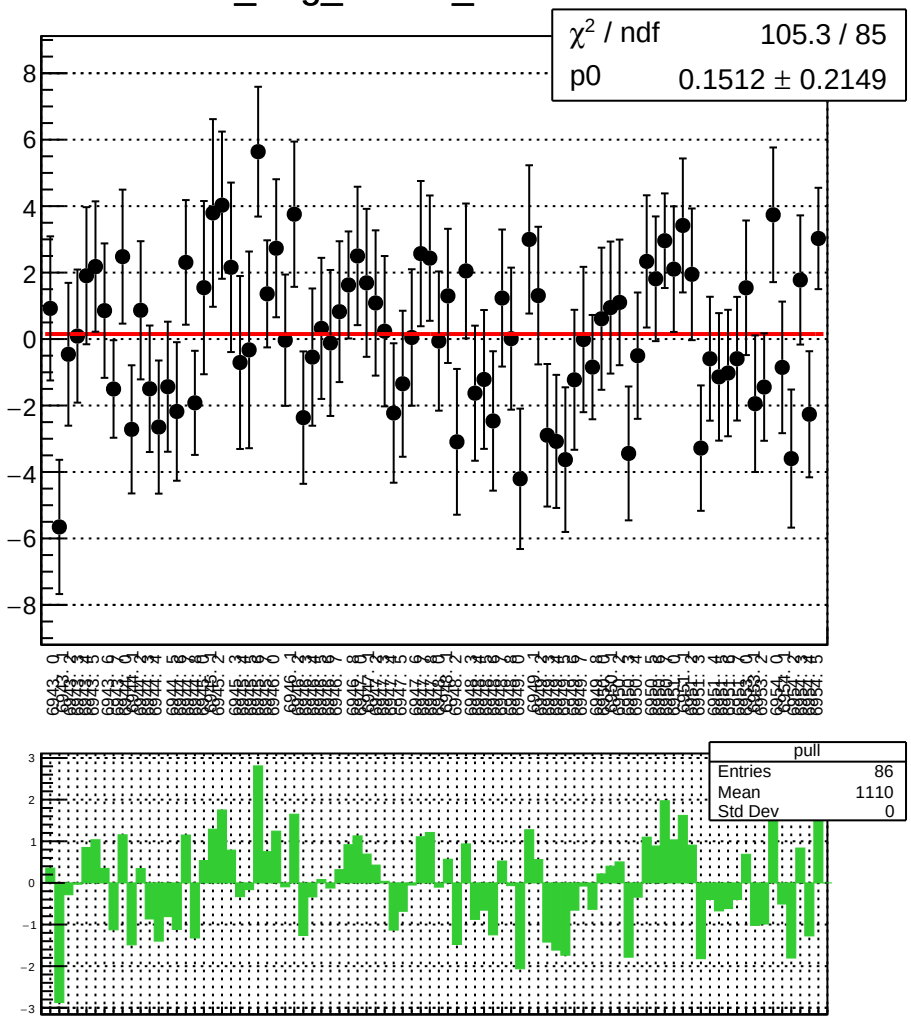

pull1D
Entries 86
Mean −0.005197
Std Dev 0.9903

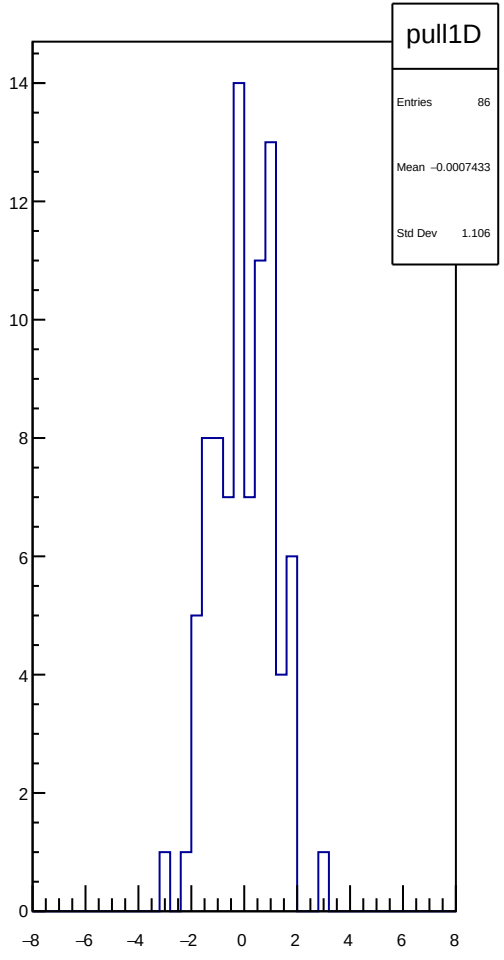

diff_targ_positionX_rms vs run
χ² / ndf 1.61e+04 / 85
p0 1.103e+04 ± 8.609
13000
12000
11000
10000
9000

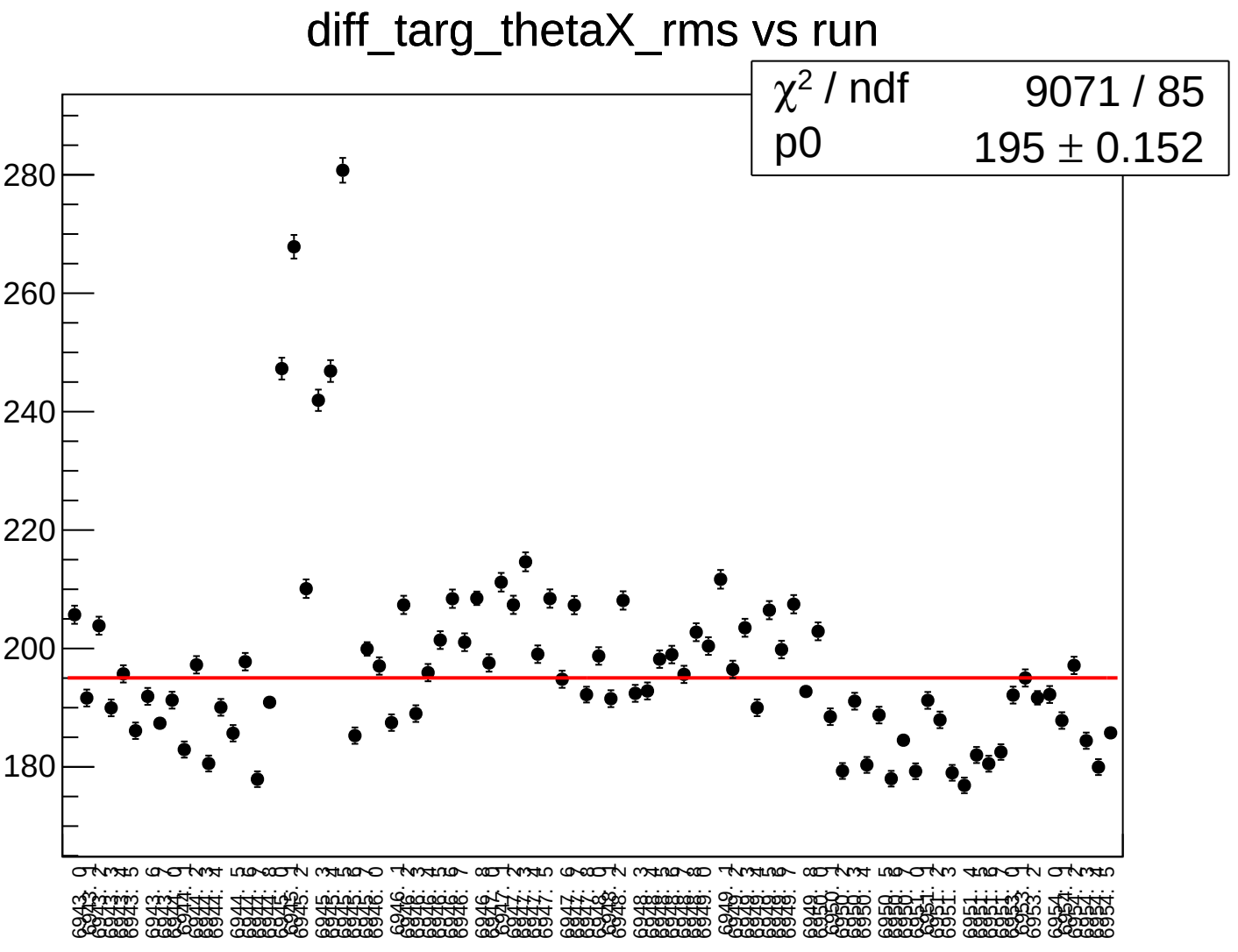

diff_targ_positionY_mean vs run
χ^2 / ndf 83.4 / 85
p0 1.726 ± 6.724
200
100
0
−100
−200
pull
Entries 86
Mean 23.27
Std Dev 17.72
2
1
0
−1
−2

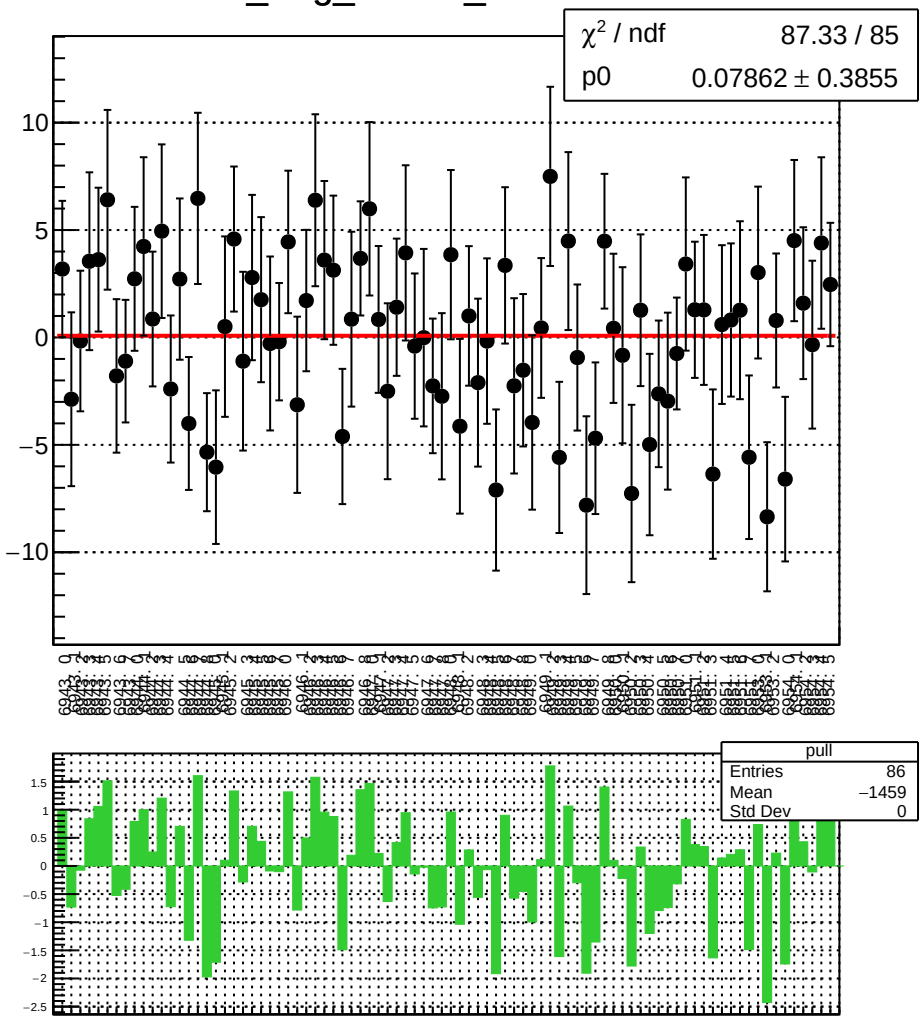

pull1D
Entries 86
Mean −0.01926
Std Dev 0.9846
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

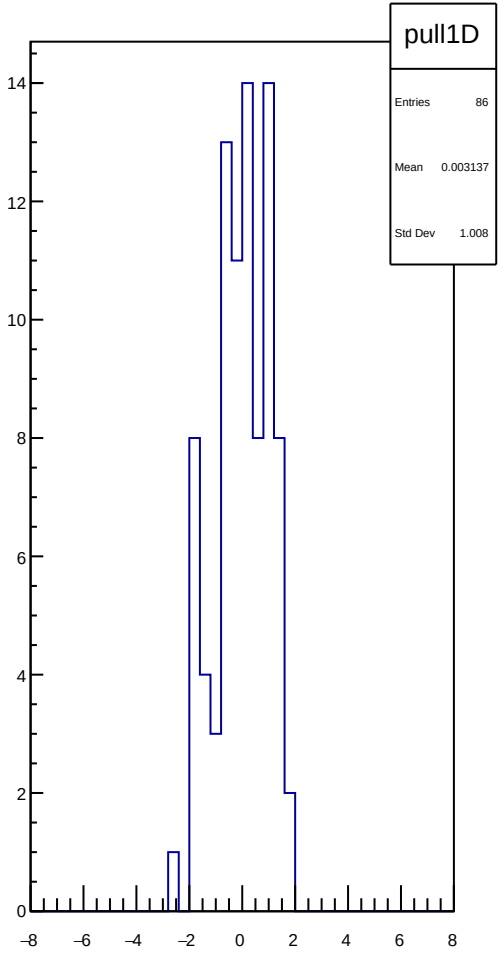

diff_targ_positionY_rms vs run
χ² / ndf 4106 / 85
p0 6111 ± 4.755
6800
6600
6400
6200
6000
5800
5600
5400

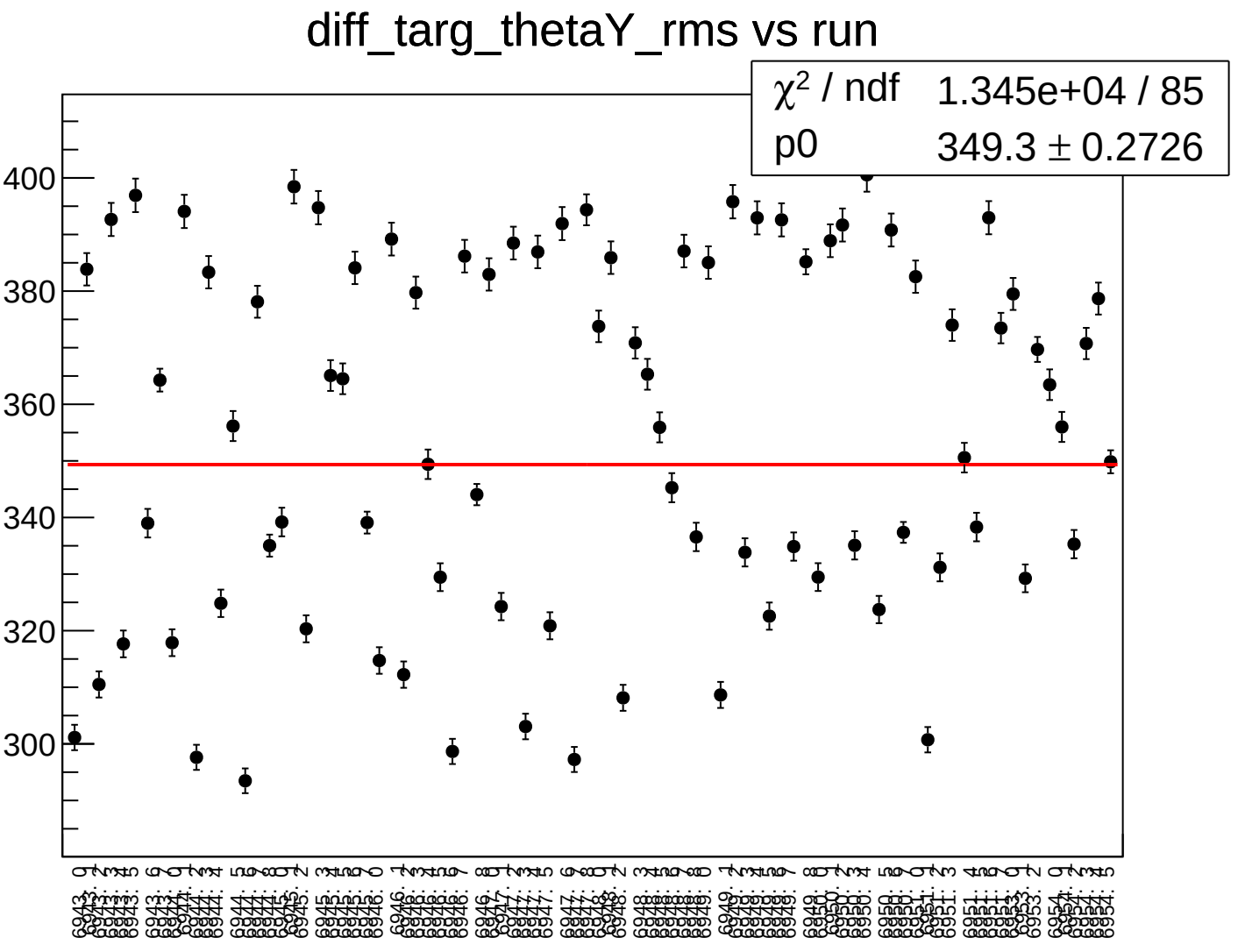

diff_targ_thetaX_mean vs run
χ² / ndf 105.3 / 85
p0 0.1512 ± 0.2149
pull
Entries 86
Mean 1110
Std Dev 0

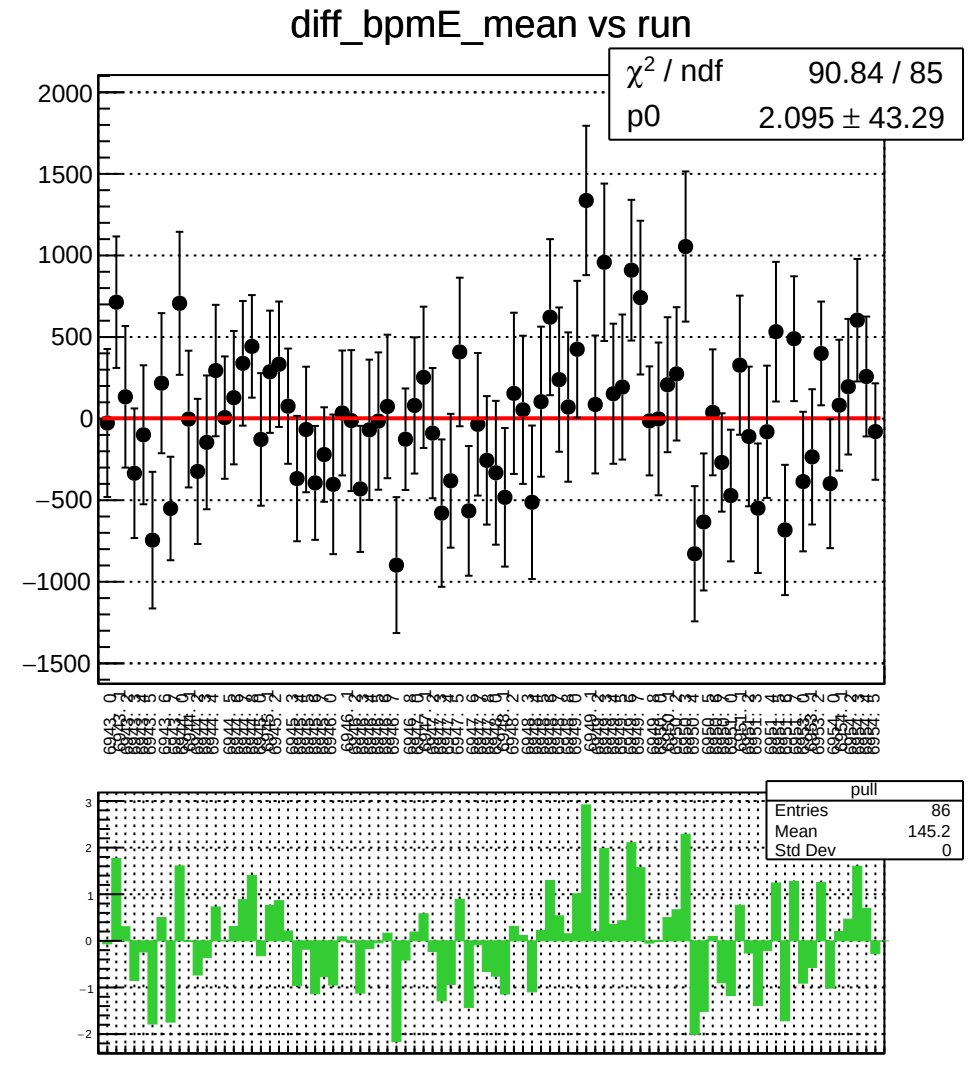

pull1D
Entries 86
Mean −0.0007433
Std Dev 1.106

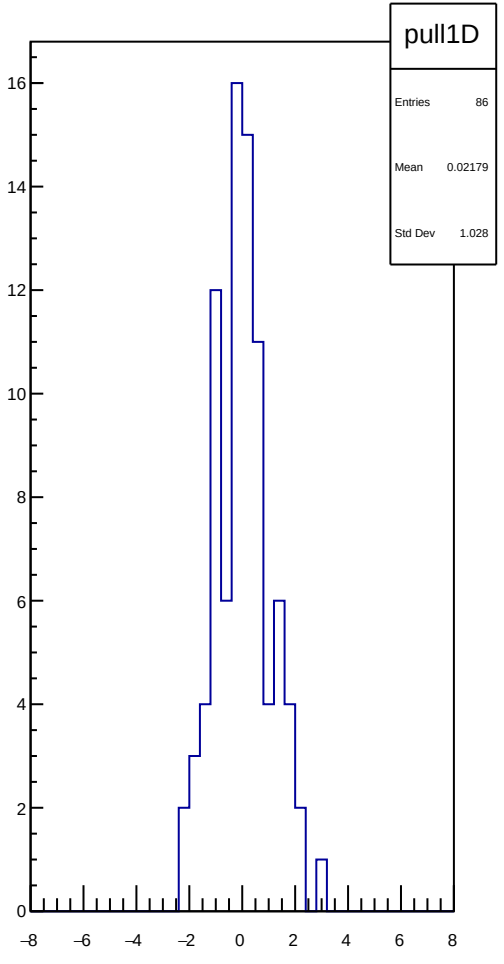

diff_targ_thetaX_rms vs run
χ^2 / ndf 9071 / 85
p0 195 ± 0.152
280
260
240
220
200
180

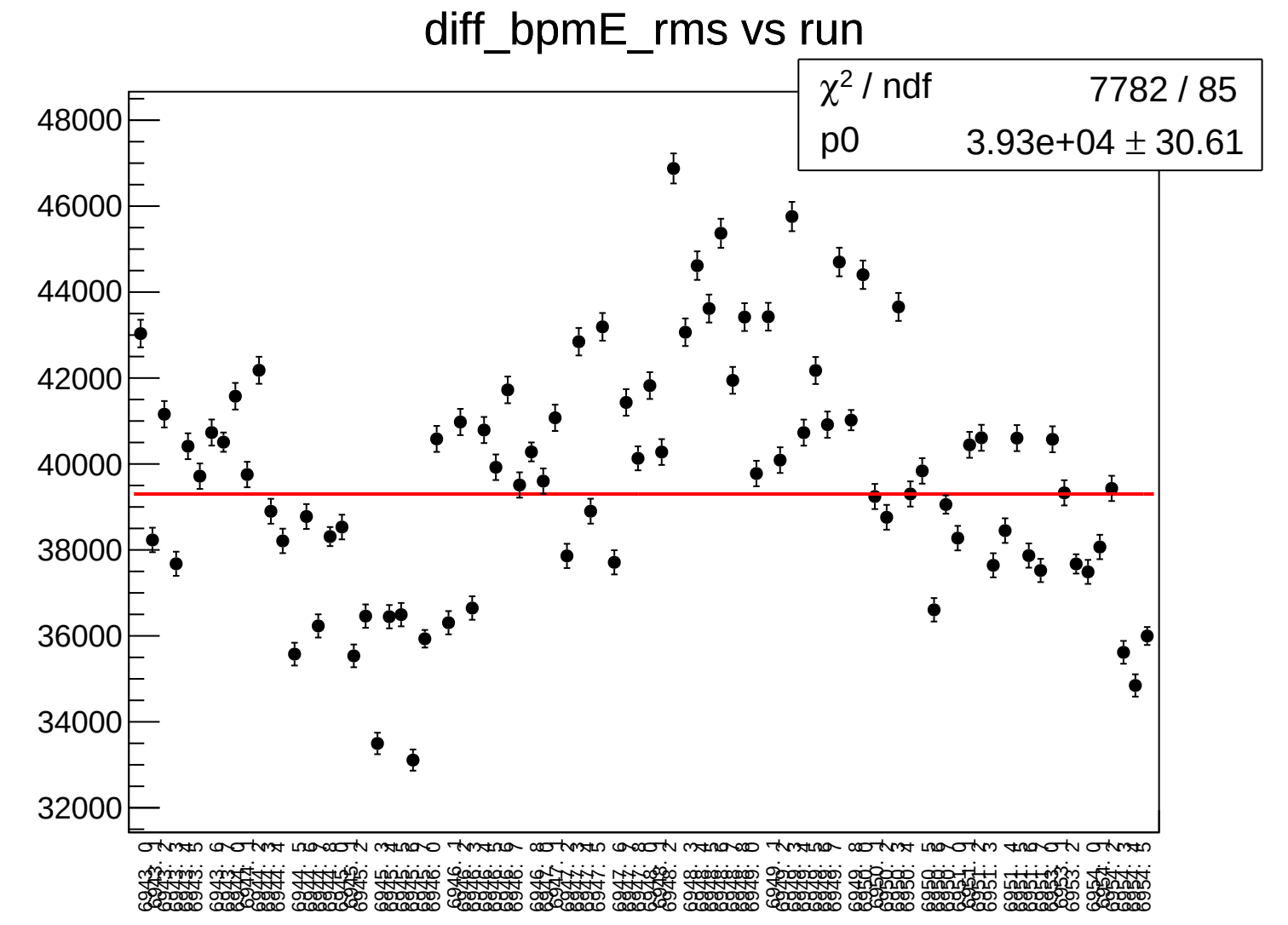

diff_targ_thetaY_mean vs run
χ² / ndf 87.33 / 85
p0 0.07862 ± 0.3855
pull
Entries 86
Mean −1459
Std Dev 0

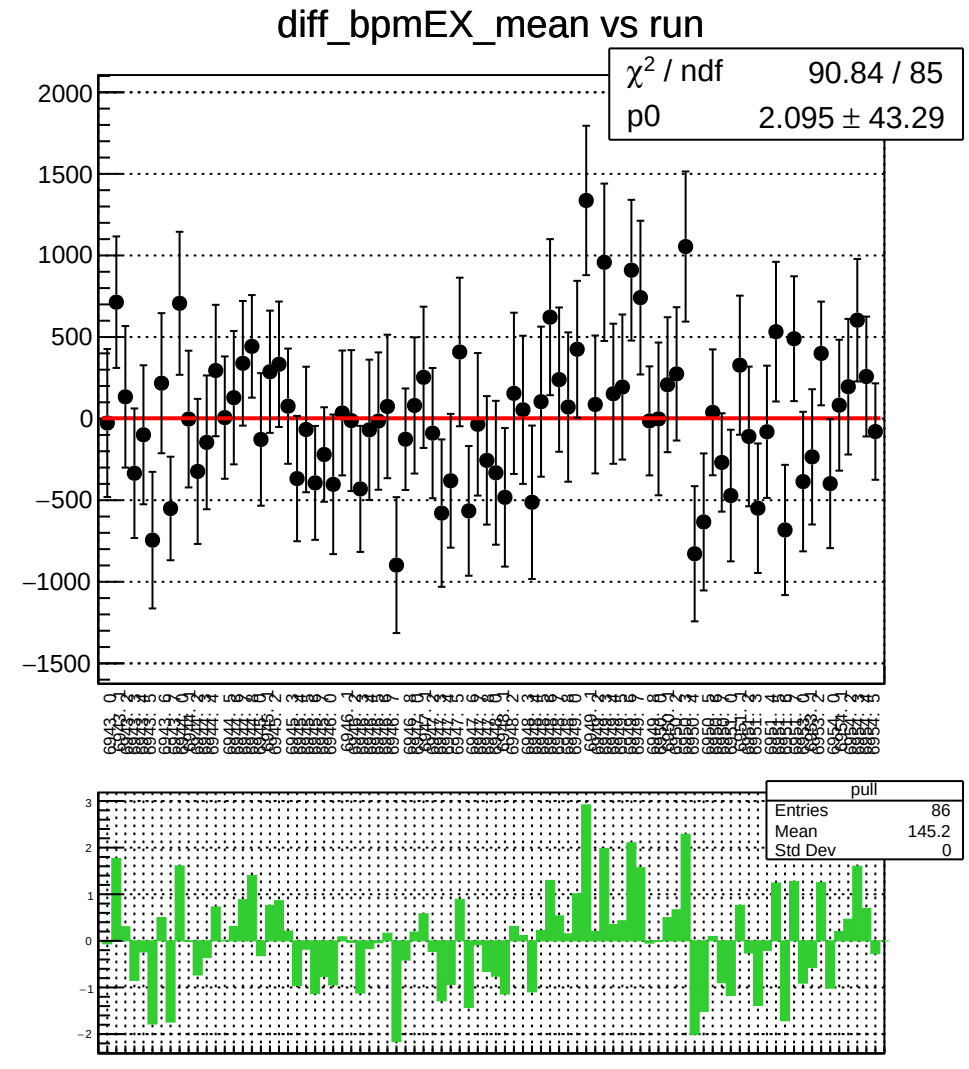

pull1D
Entries 86
Mean 0.003137
Std Dev 1.008

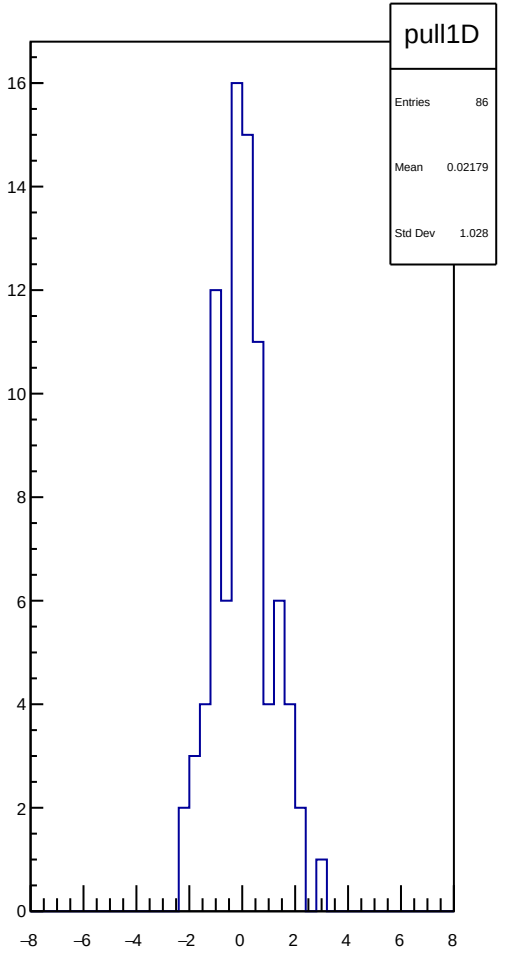

diff_targ_thetaY_rms vs run
χ² / ndf 1.345e+04 / 85
p0 349.3 ± 0.2726
400
380
360
340
320
300

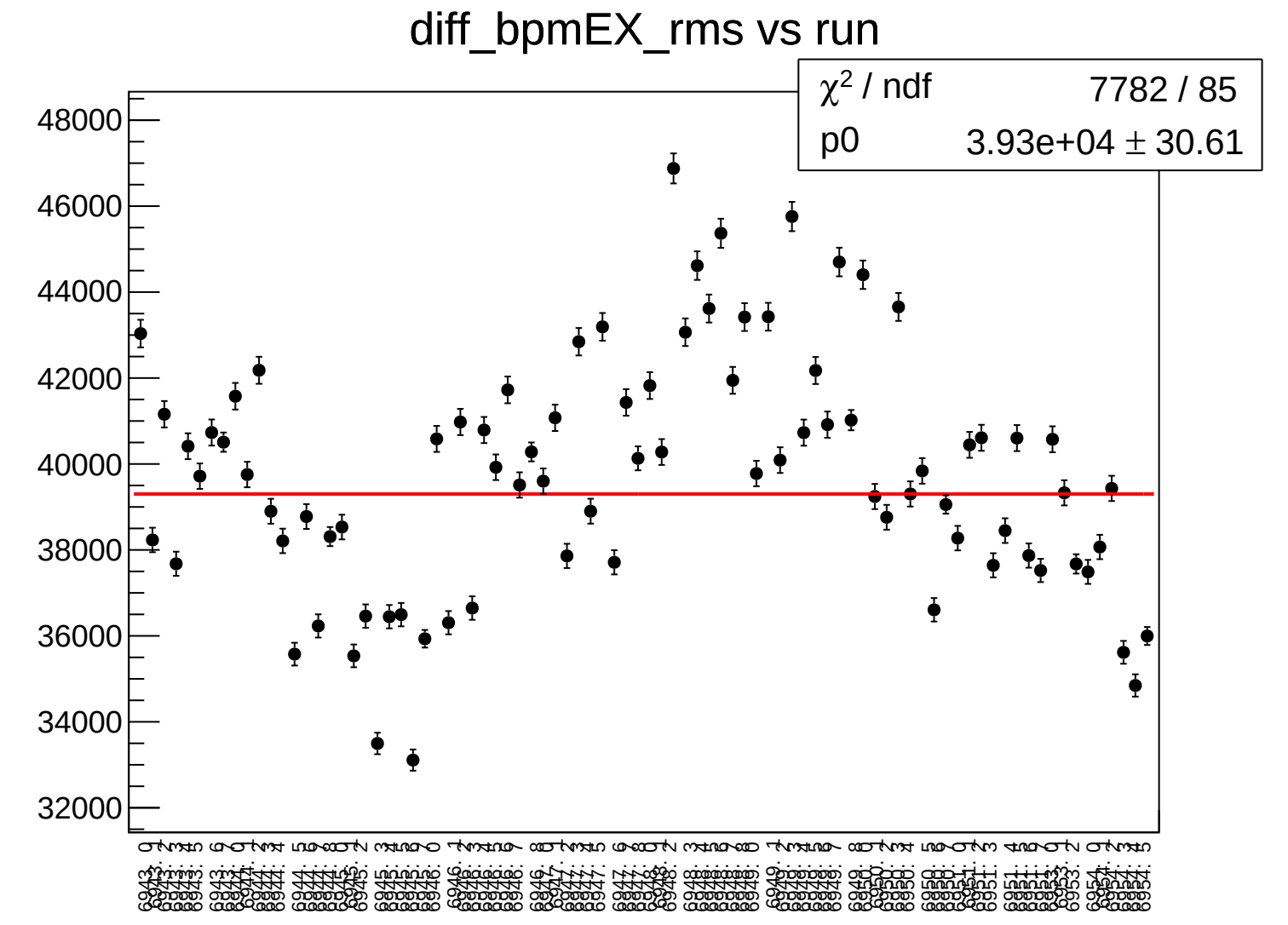

diff_bpmE_mean vs run
χ^2 / ndf 90.84 / 85
p0 2.095 ± 43.29
pull
Entries 86
Mean 145.2
Std Dev 0

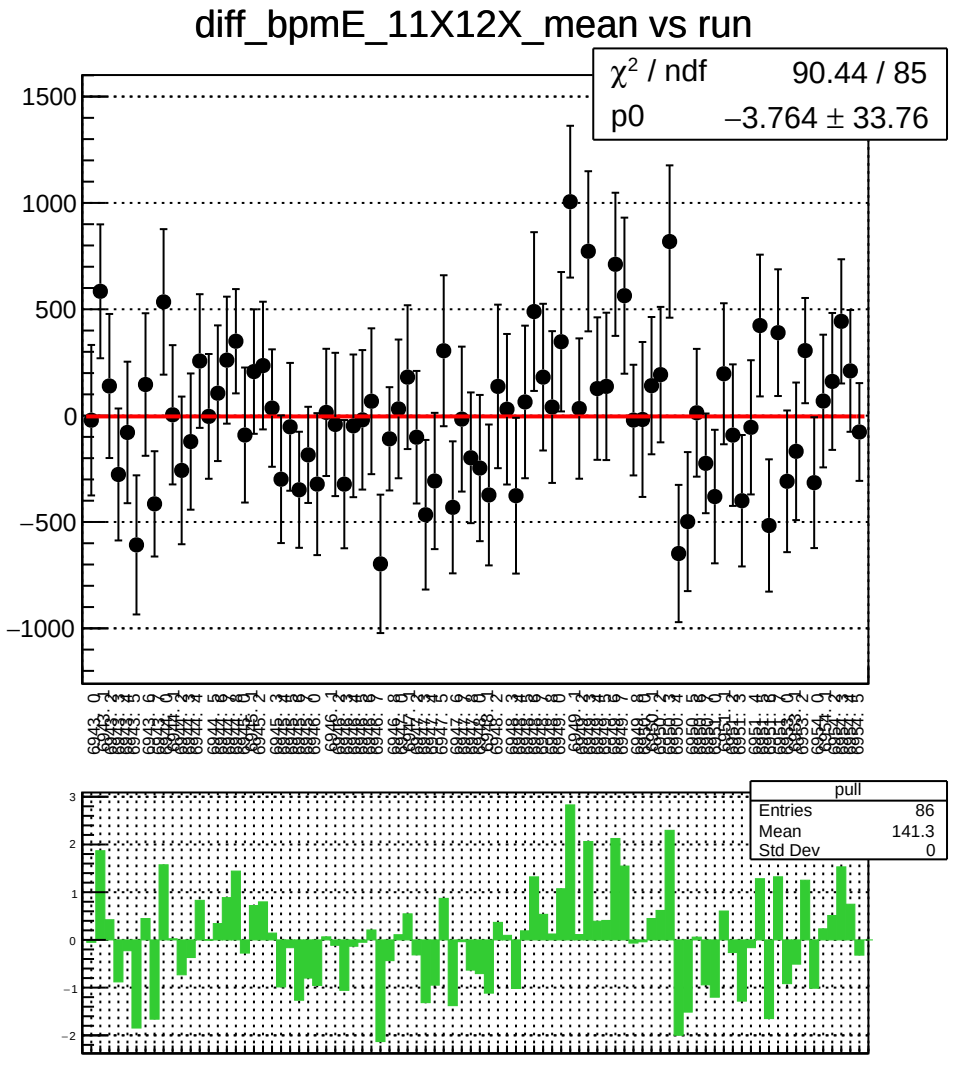

pull1D
Entries 86
Mean 0.02179
Std Dev 1.028

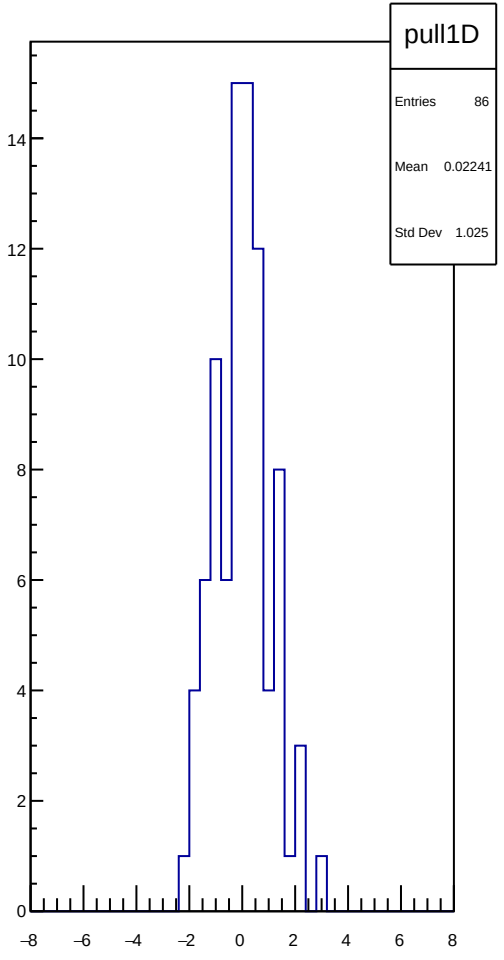

diff_bpmE_rms vs run
χ² / ndf 7782 / 85
p0 3.93e+04 ± 30.61
48000
46000
44000
42000
40000
38000
36000
34000
32000


diff_bpmEX_mean vs run
χ^2 / ndf 90.84 / 85
p0 2.095 ± 43.29
pull
Entries 86
Mean 145.2
Std Dev 0

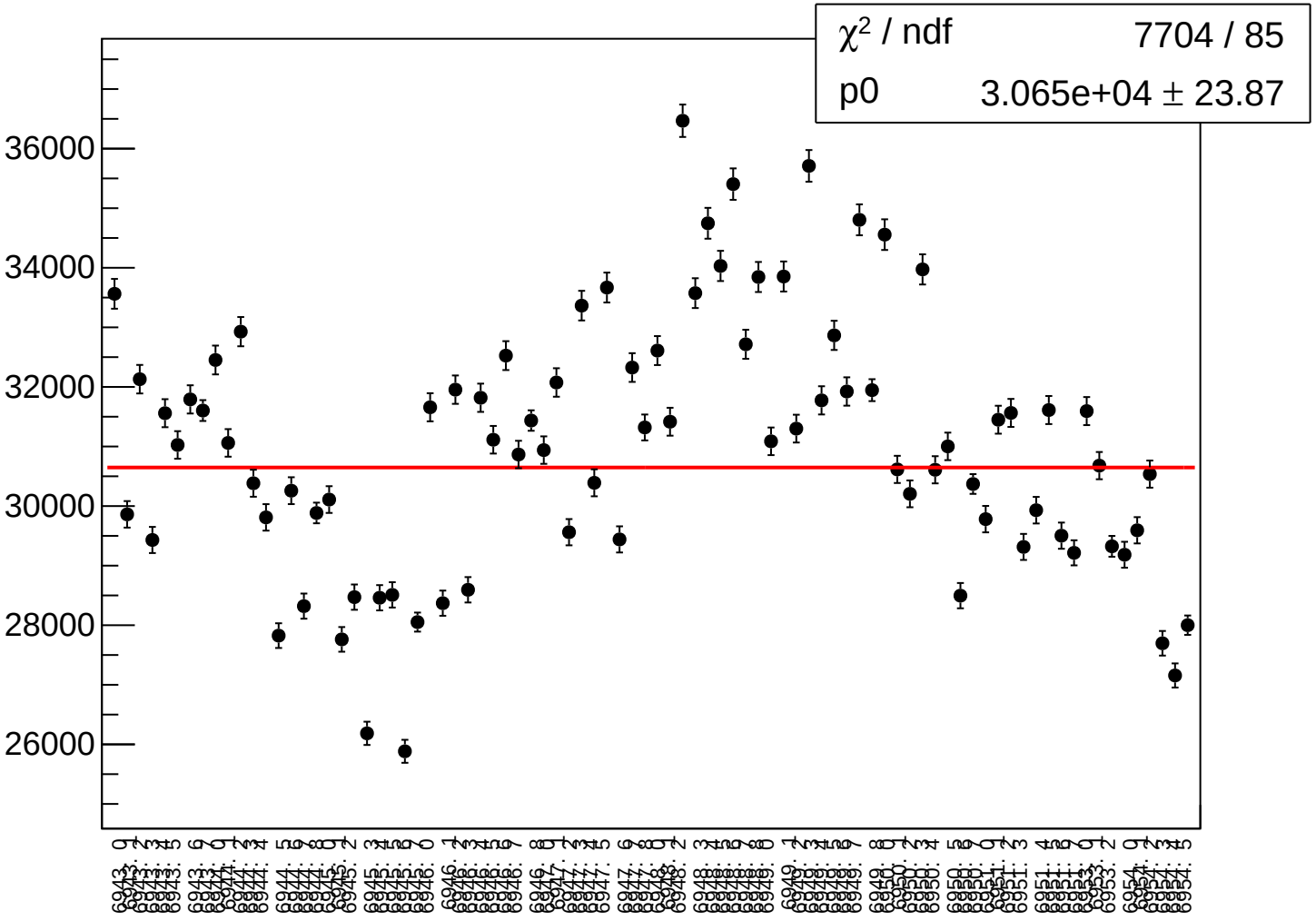

pull1D
Entries 86
Mean 0.02179
Std Dev 1.028

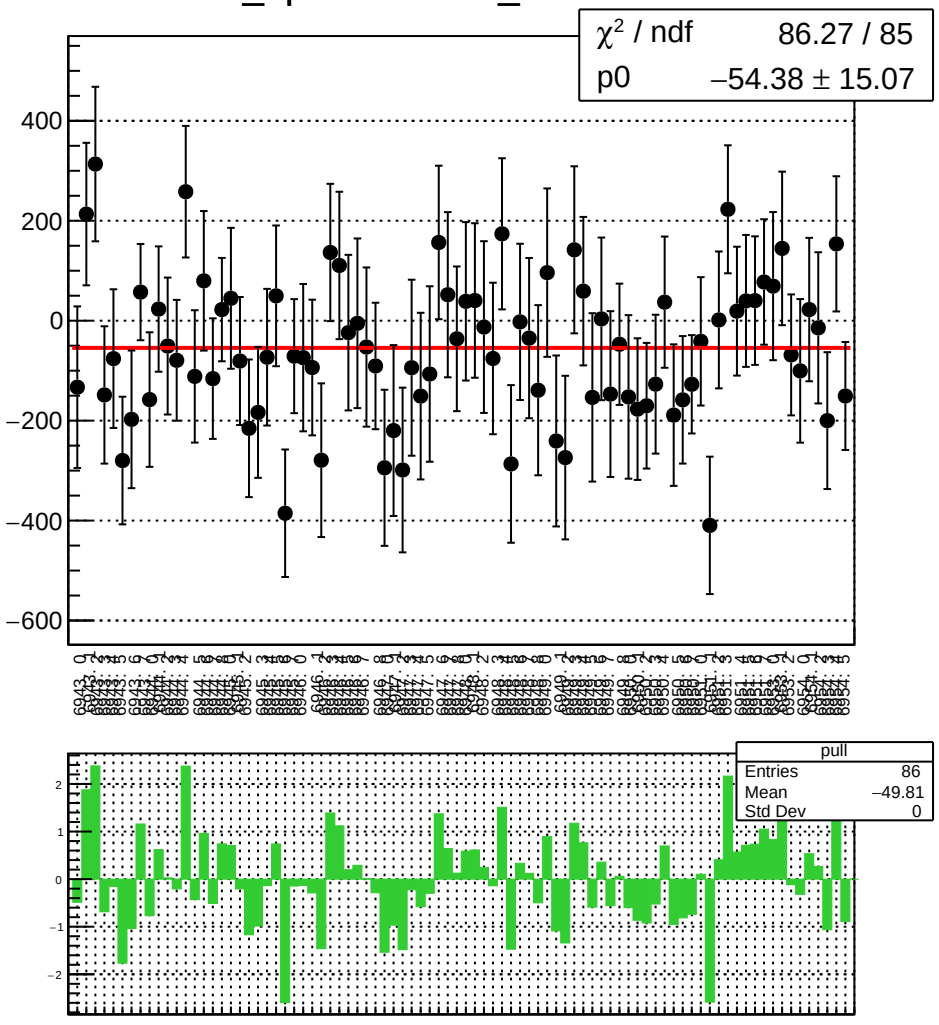

diff_bpmEX_rms vs run
χ² / ndf 7782 / 85
p0 3.93e+04 ± 30.61
48000
46000
44000
42000
40000
38000
36000
34000
32000

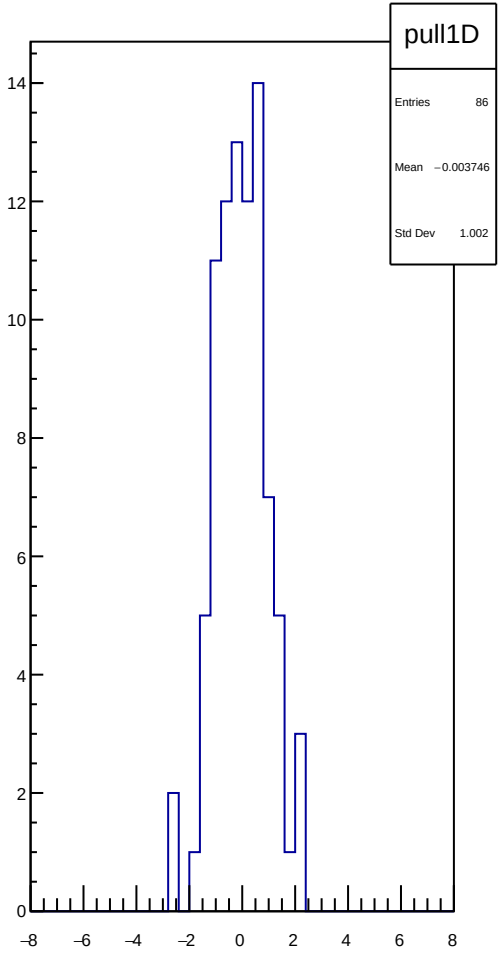

diff_bpmE_11X12X_mean vs run
χ² / ndf 90.44 / 85
p0 −3.764 ± 33.76
pull
Entries 86
Mean 141.3
Std Dev 0

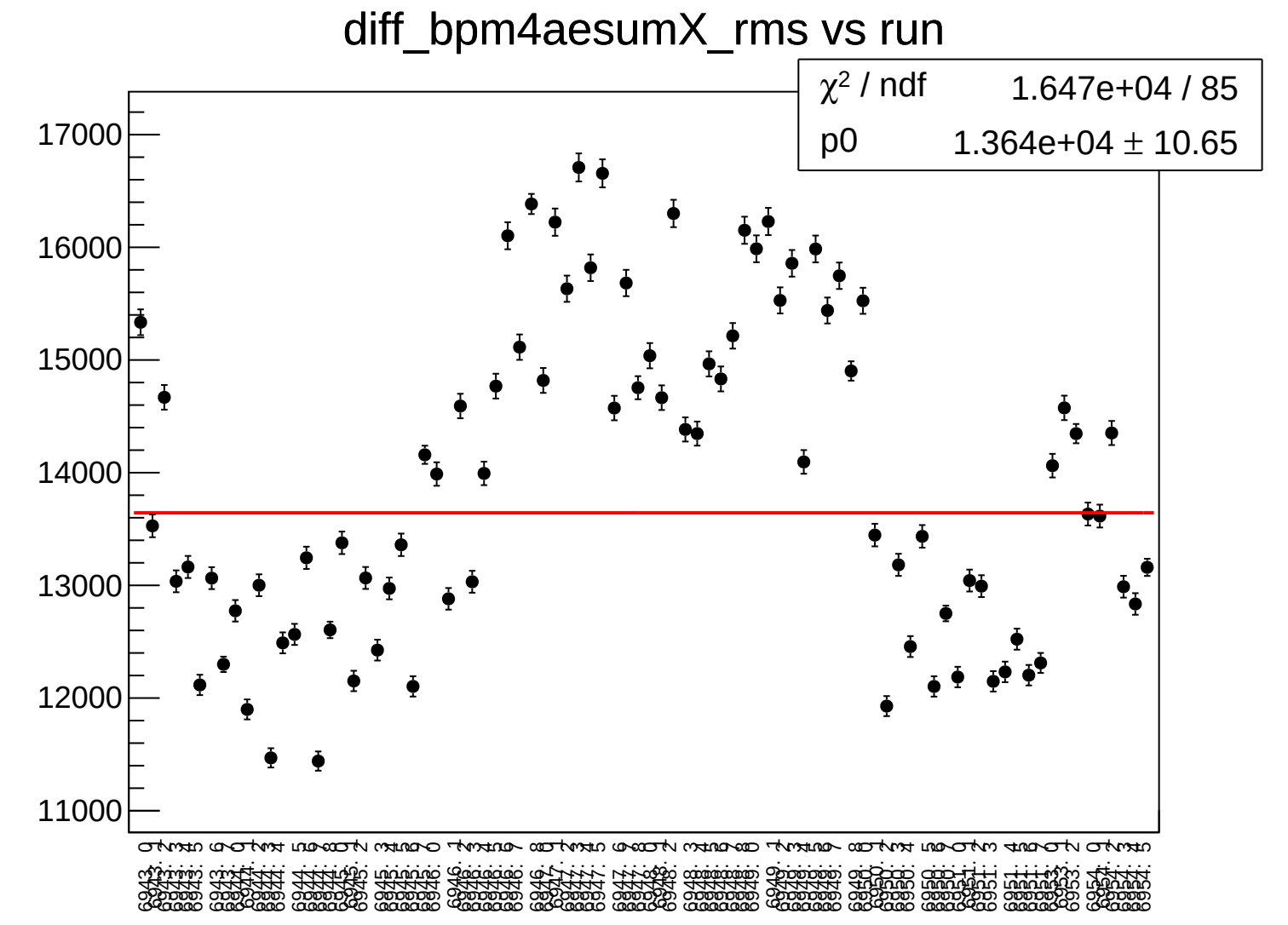

pull1D
Entries 86
Mean 0.02241
Std Dev 1.025

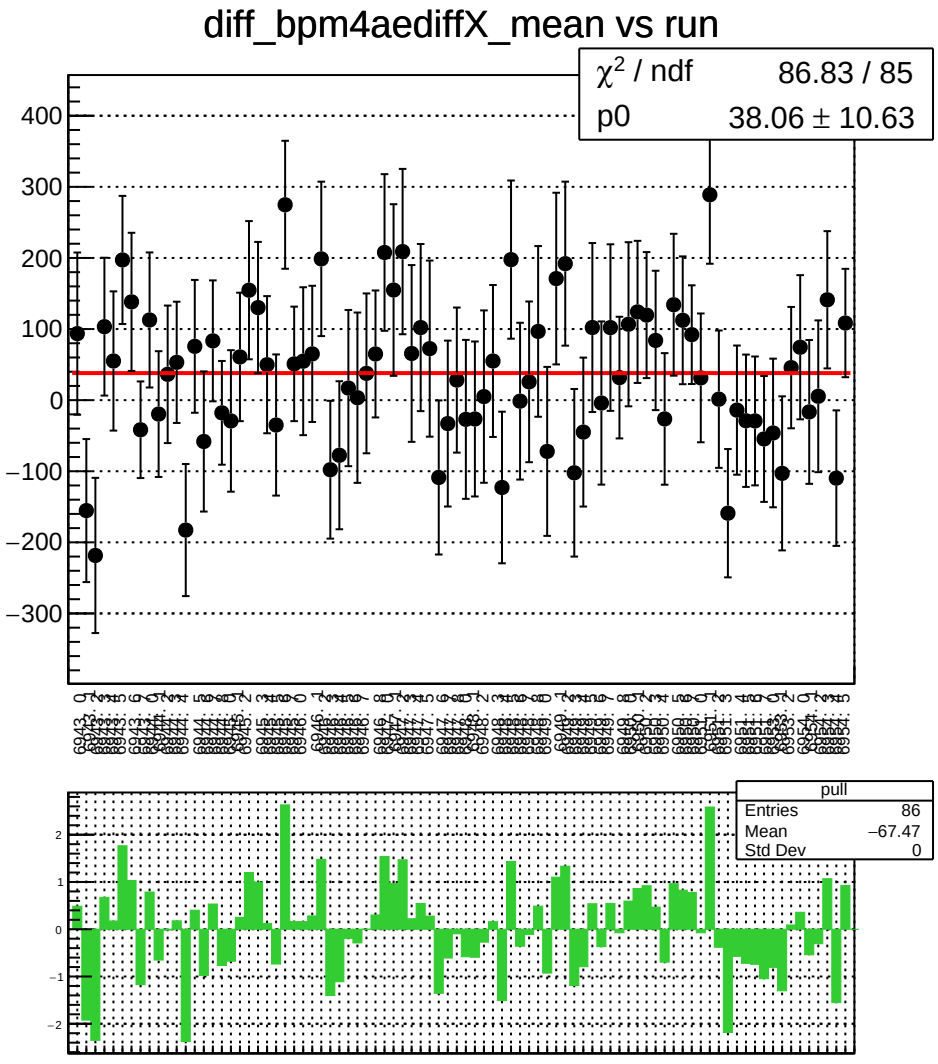
diff_bpmE_11X12X_rms vs run

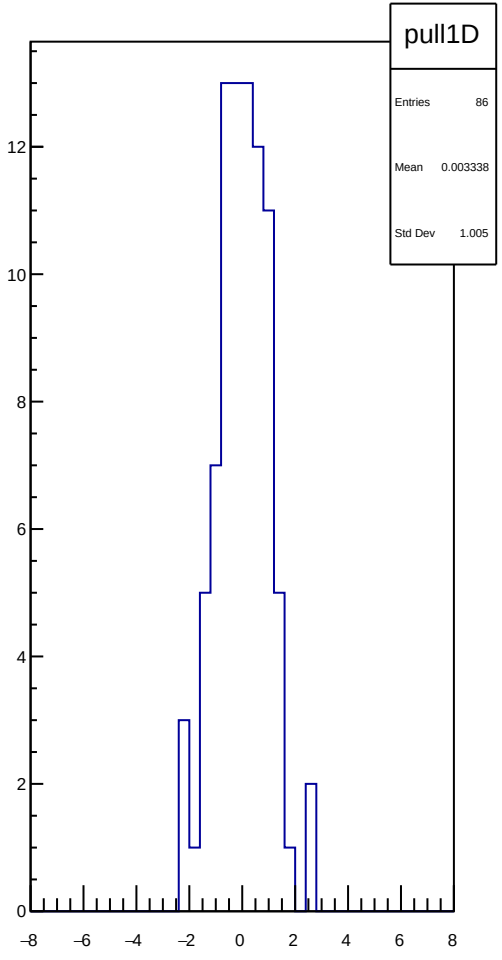


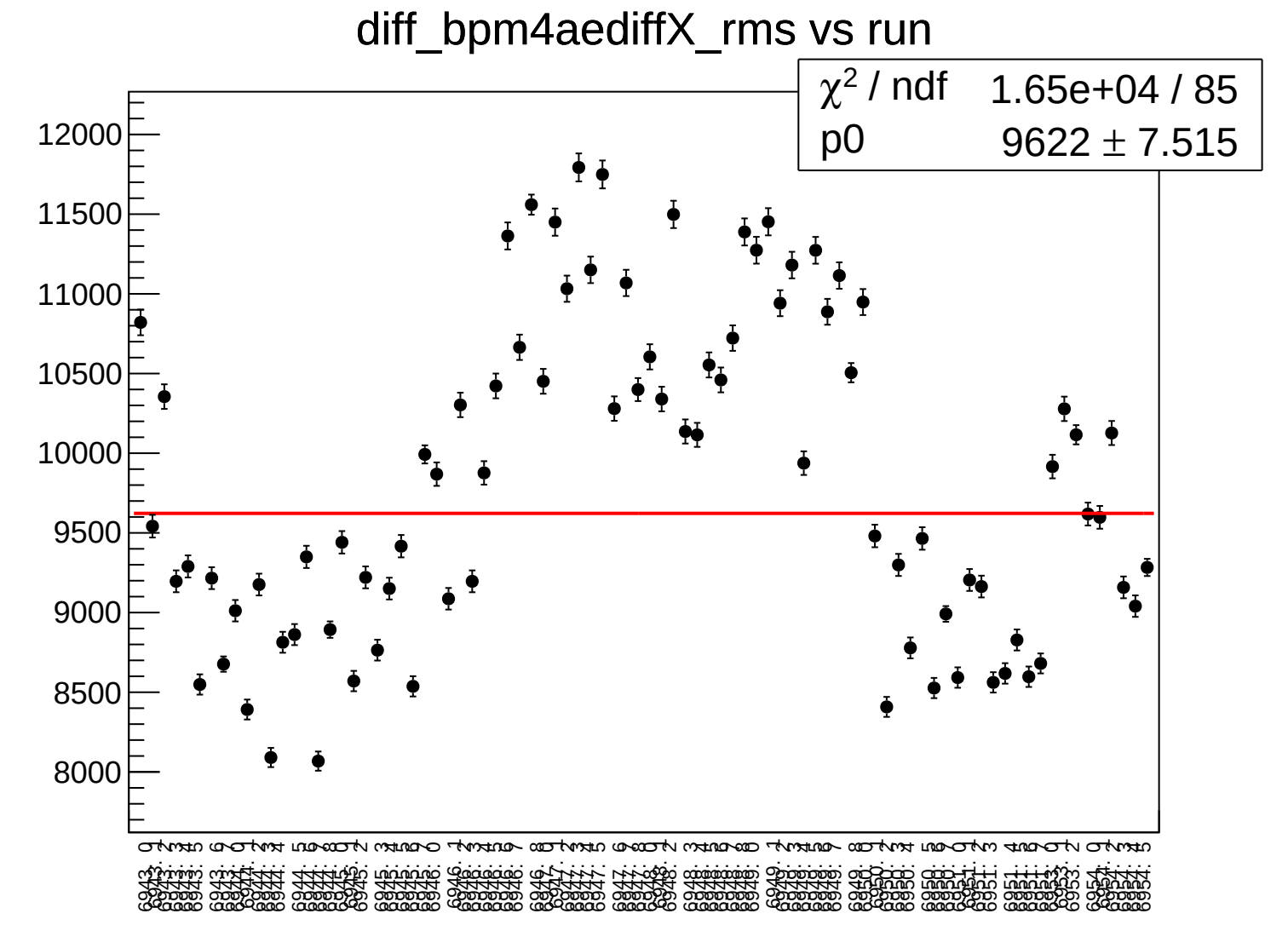

diff_bpm4aesumX_mean vs run
χ² / ndf 86.27 / 85
p0 −54.38 ± 15.07
pull
Entries 86
Mean −49.81
Std Dev 0

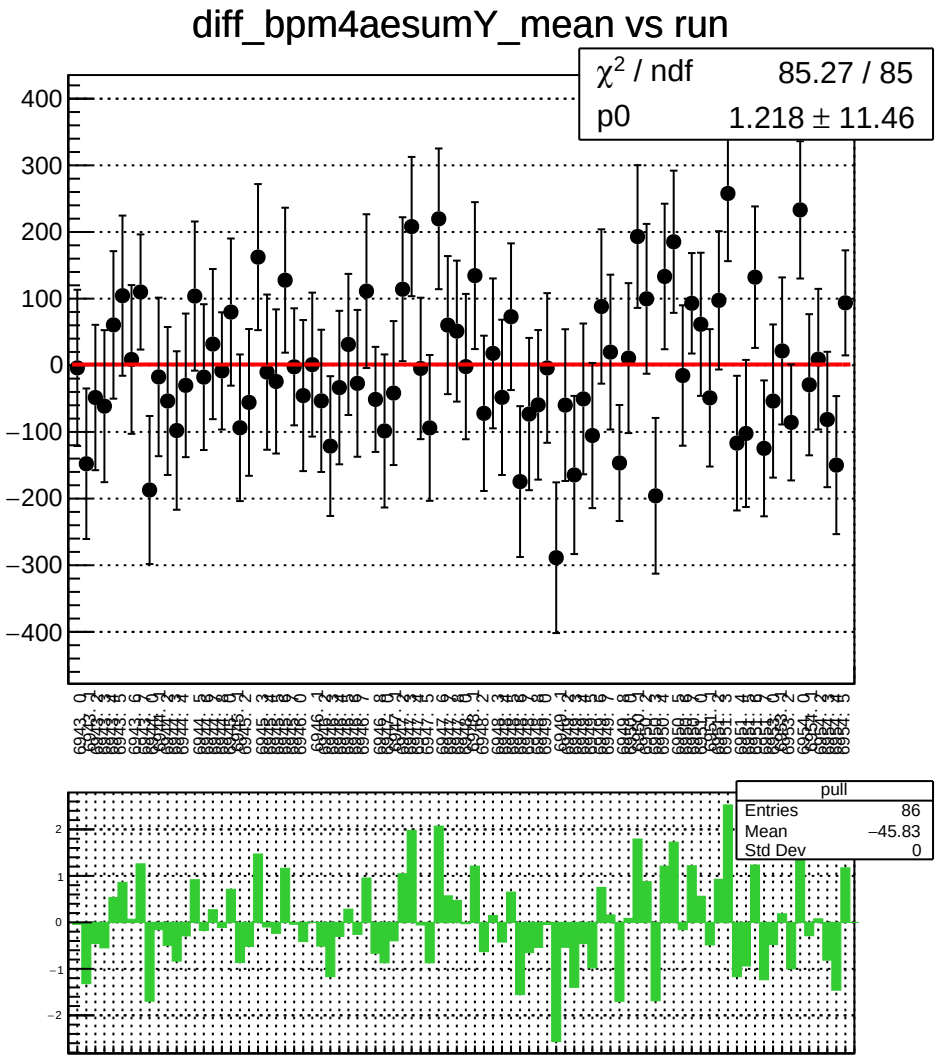

pull1D
Entries 86
Mean −0.003746
Std Dev 1.002

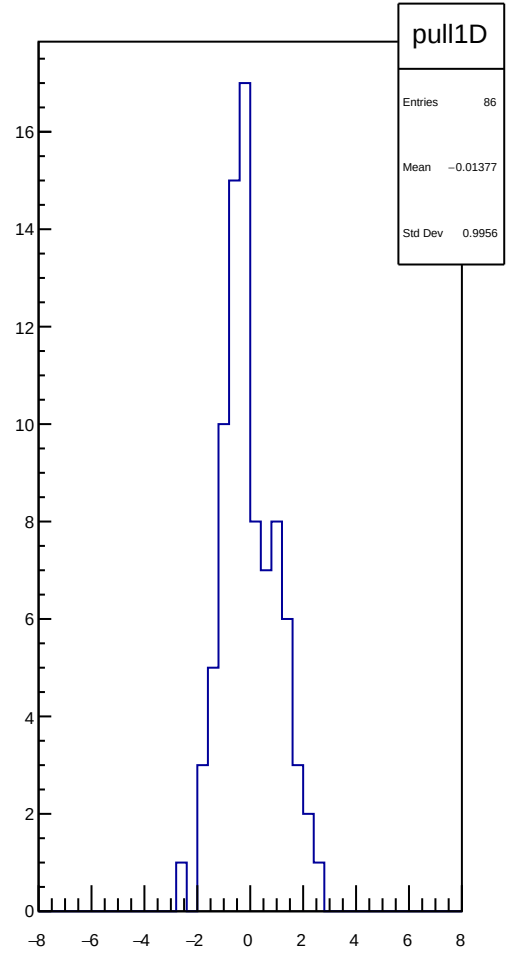

diff_bpm4aesumX_rms vs run
χ² / ndf 1.647e+04 / 85
p0 1.364e+04 ± 10.65
17000
16000
15000
14000
13000
12000
11000

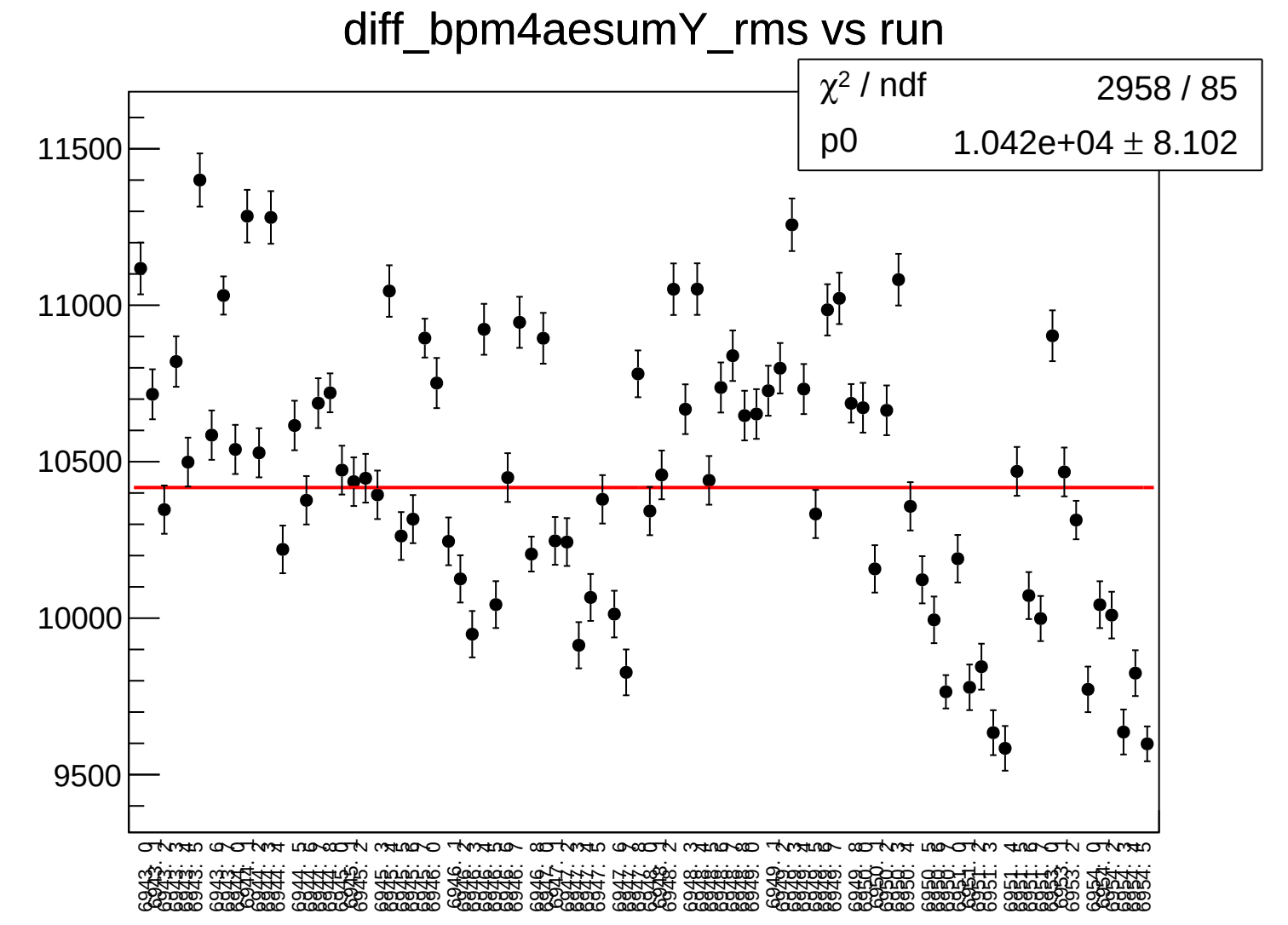

diff_bpm4aediffX_mean vs run
χ² / ndf 86.83 / 85
p0 38.06 ± 10.63
pull
Entries 86
Mean −67.47
Std Dev 0

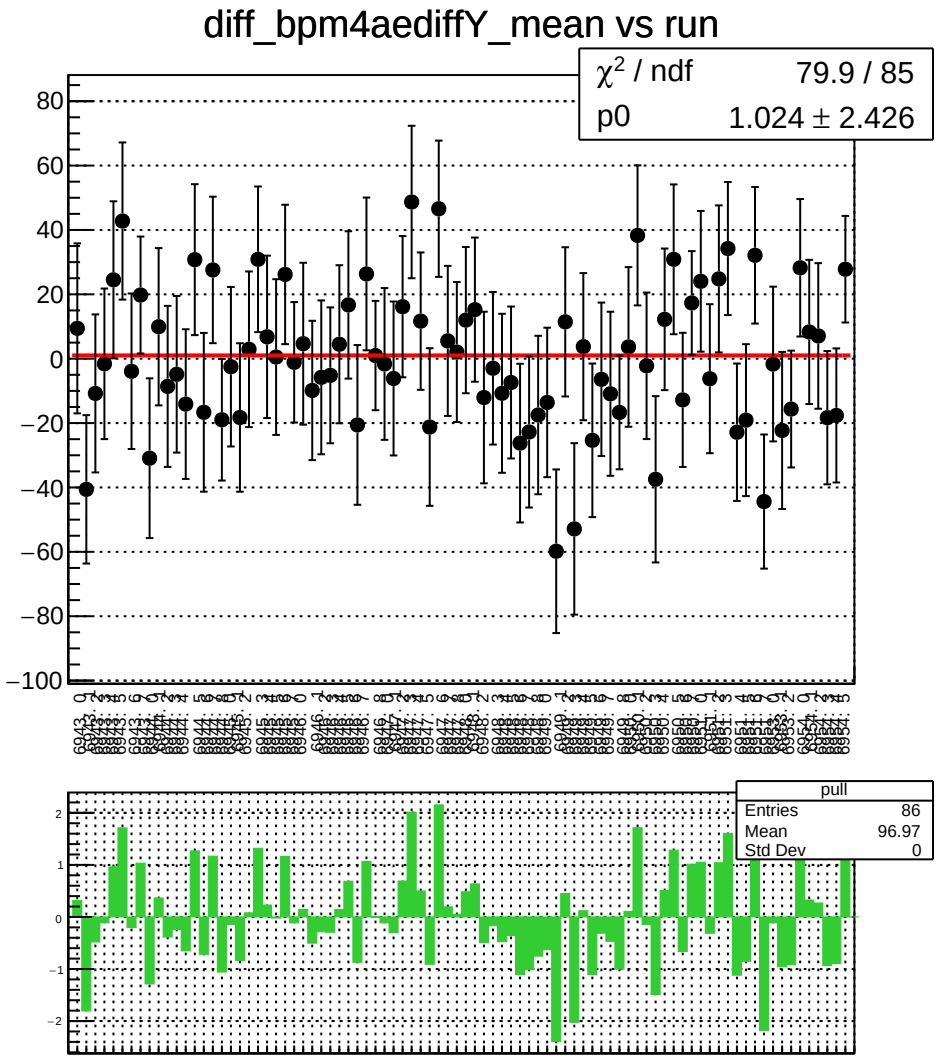

pull1D
Entries 86
Mean 0.003338
Std Dev 1.005

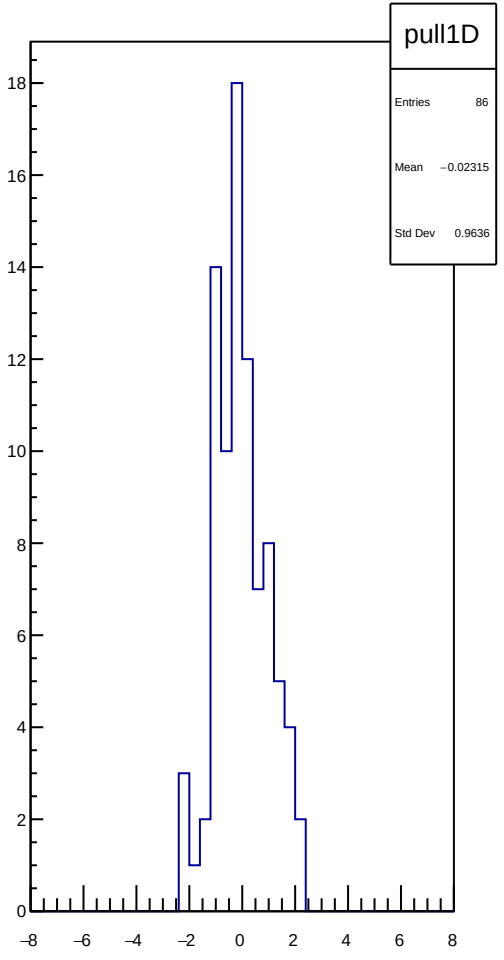

diff_bpm4aediffX_rms vs run
χ² / ndf 1.65e+04 / 85
p0 9622 ± 7.515
12000
11500
11000
10500
10000
9500
9000
8500
8000

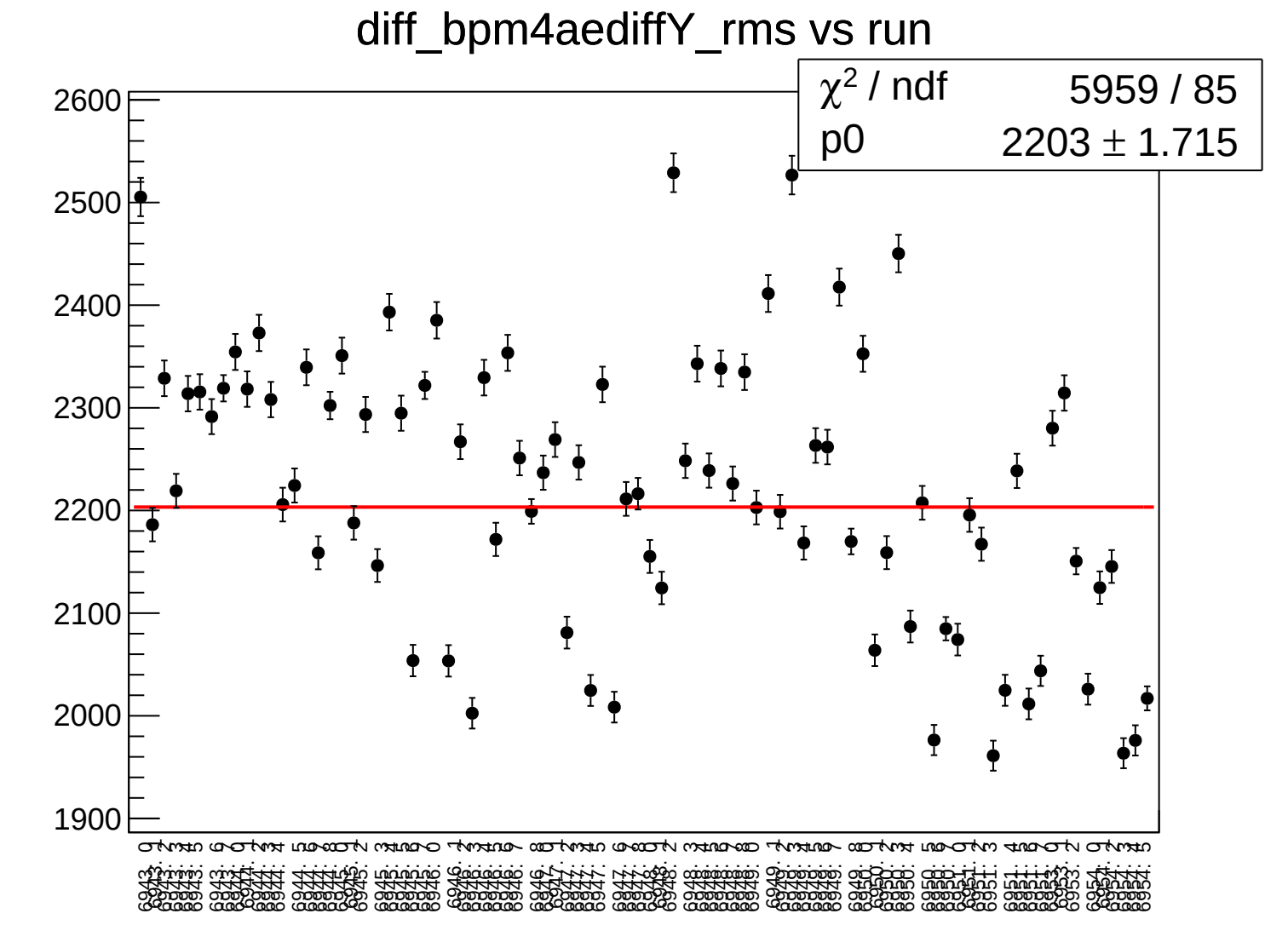

diff_bpm4aesumY_mean vs run
χ² / ndf 85.27 / 85
p0 1.218 ± 11.46
pull
Entries 86
Mean −45.83
Std Dev 0

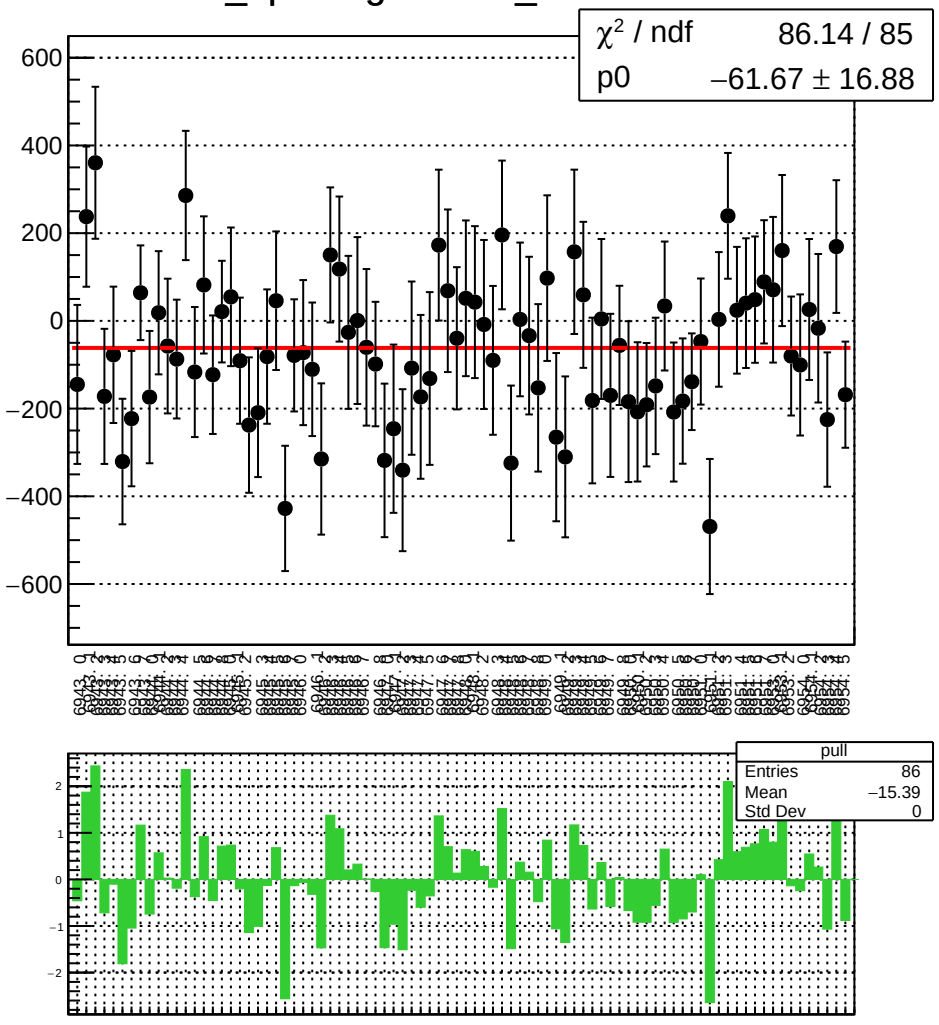

pull1D
Entries 86
Mean −0.01377
Std Dev 0.9956

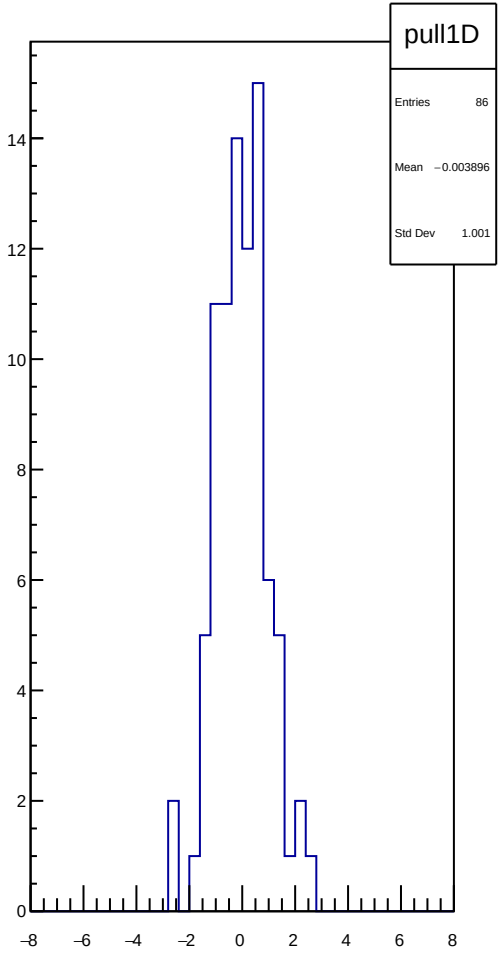

diff_bpm4aesumY_rms vs run
χ² / ndf 2958 / 85
p0 1.042e+04 ± 8.102
11500
11000
10500
10000
9500

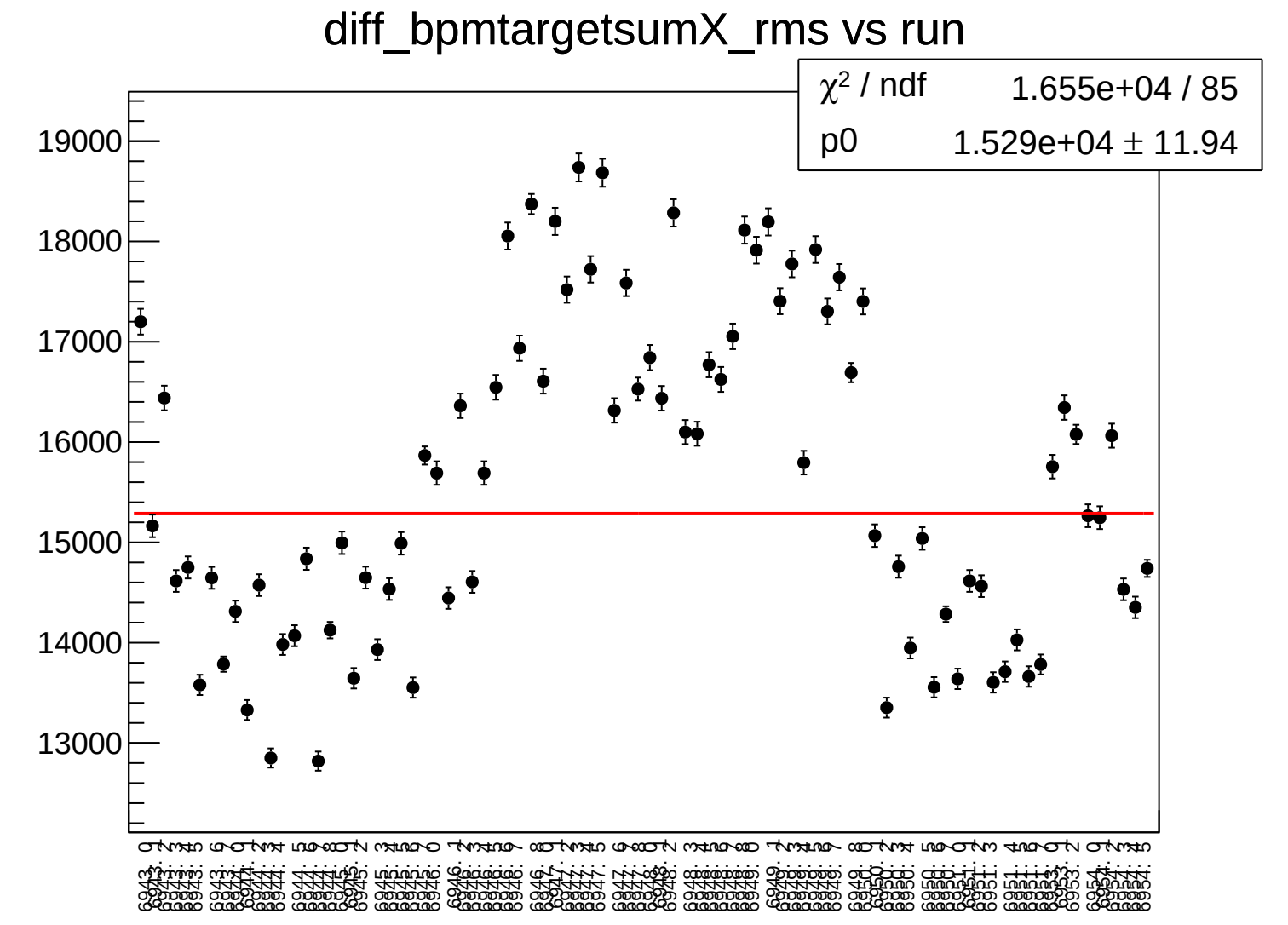

diff_bpm4aediffY_mean vs run
χ² / ndf 79.9 / 85
p0 1.024 ± 2.426
pull
Entries 86
Mean 96.97
Std Dev 0

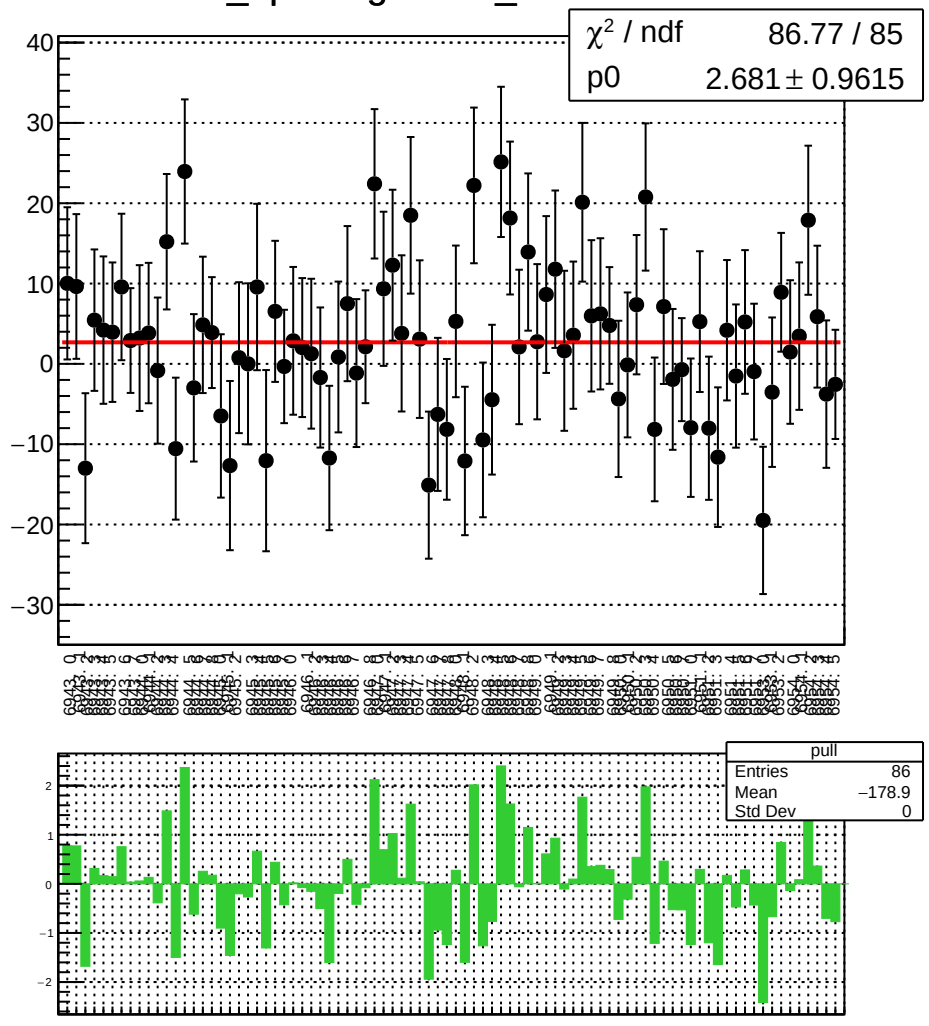

pull1D
Entries 86
Mean −0.02315
Std Dev 0.9636

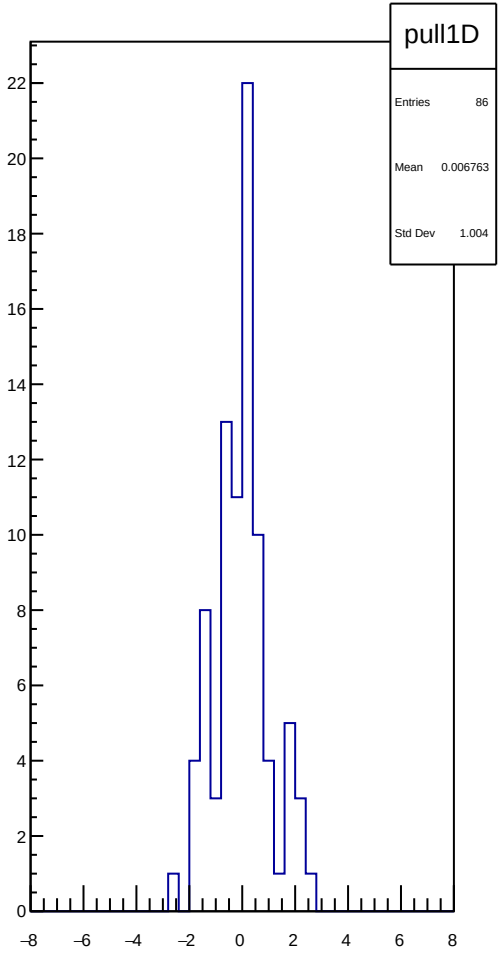

diff_bpm4aediffY_rms vs run
χ² / ndf 5959 / 85
p0 2203 ± 1.715
2600
2500
2400
2300
2200
2100
2000
1900

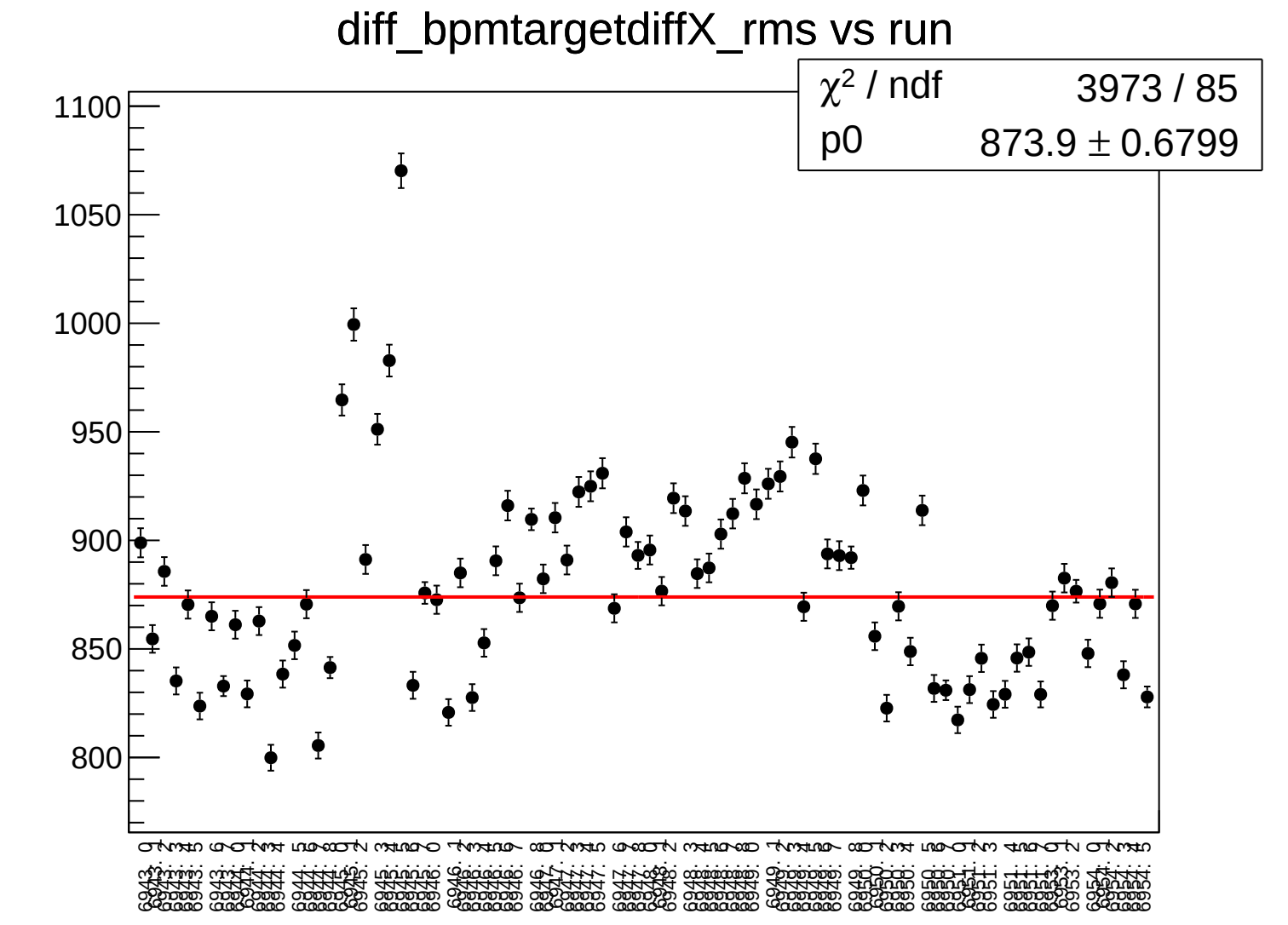

diff_bpmtargetsumX_mean vs run
χ² / ndf 86.14 / 85
p0 −61.67 ± 16.88
pull
Entries 86
Mean −15.39
Std Dev 0

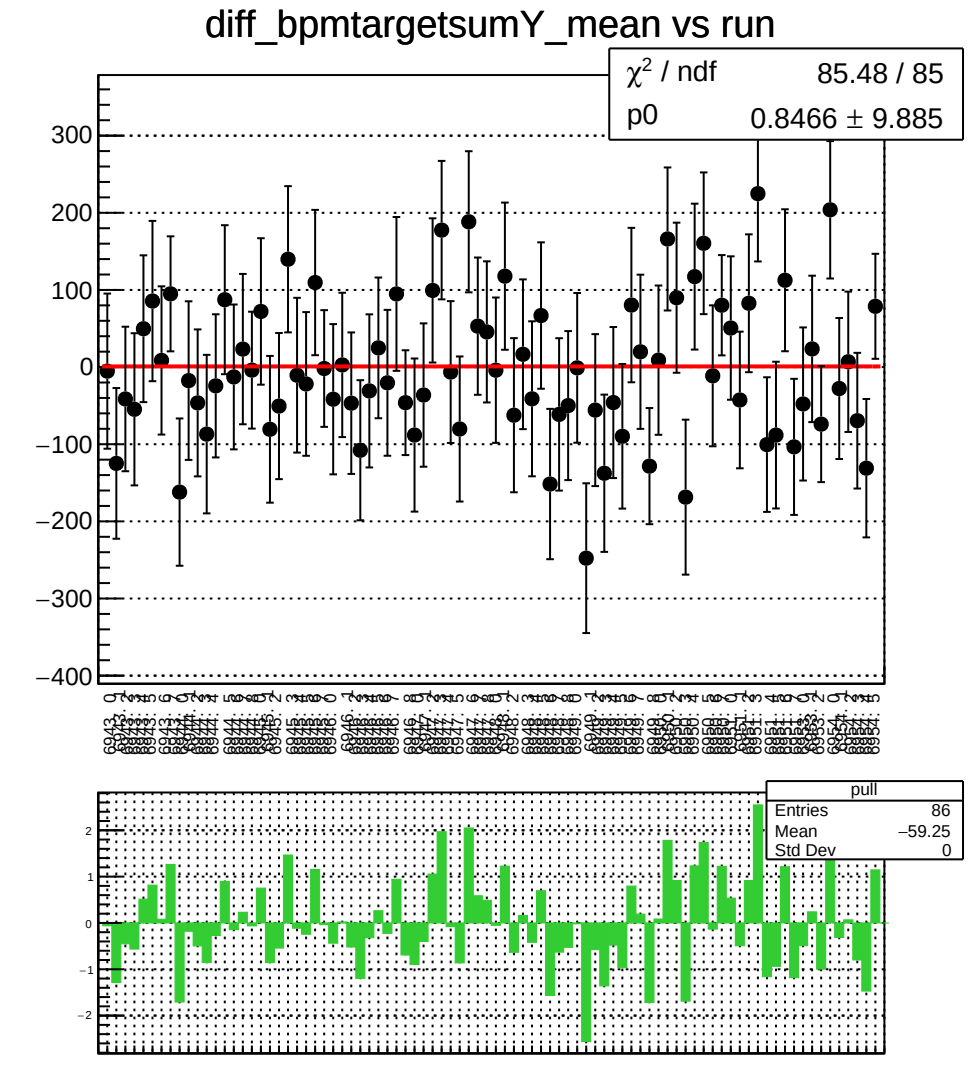

pull1D
Entries 86
Mean −0.003896
Std Dev 1.001

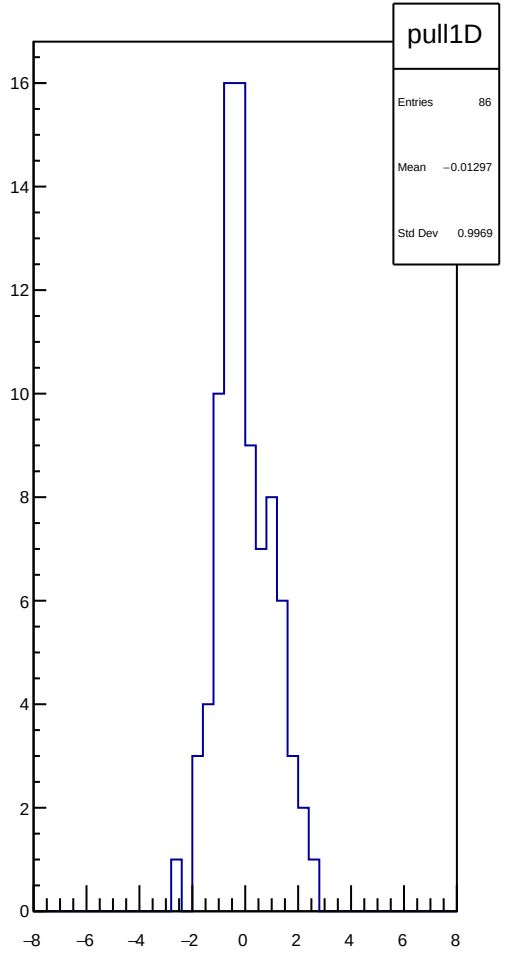

diff_bpmtargetsumX_rms vs run
χ^2 / ndf 1.655e+04 / 85
p0 1.529e+04 ± 11.94
19000
18000
17000
16000
15000
14000
13000

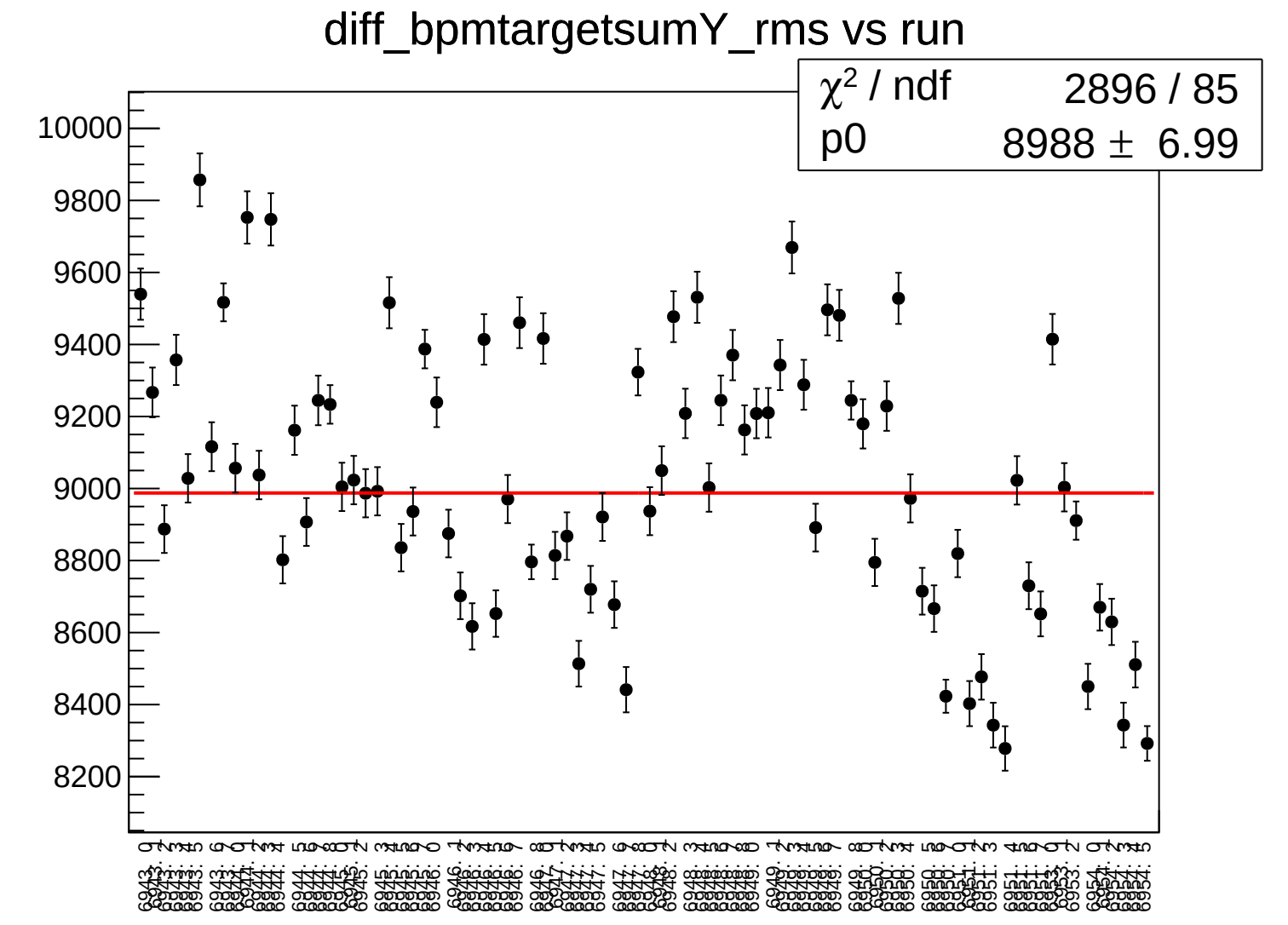

diff_bpmtargetdiffX_mean vs run
χ² / ndf 86.77 / 85
p0 2.681 ± 0.9615
pull
Entries 86
Mean −178.9
Std Dev 0

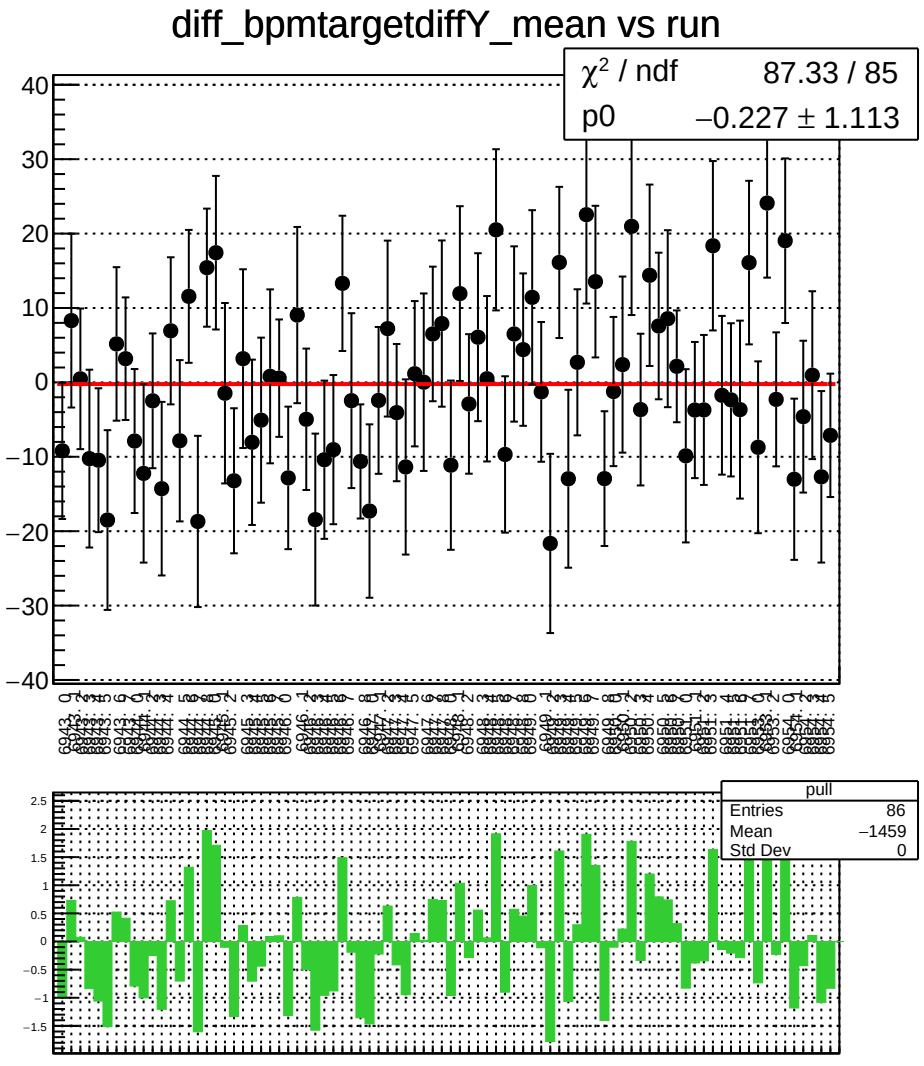

pull1D
Entries 86
Mean 0.006763
Std Dev 1.004

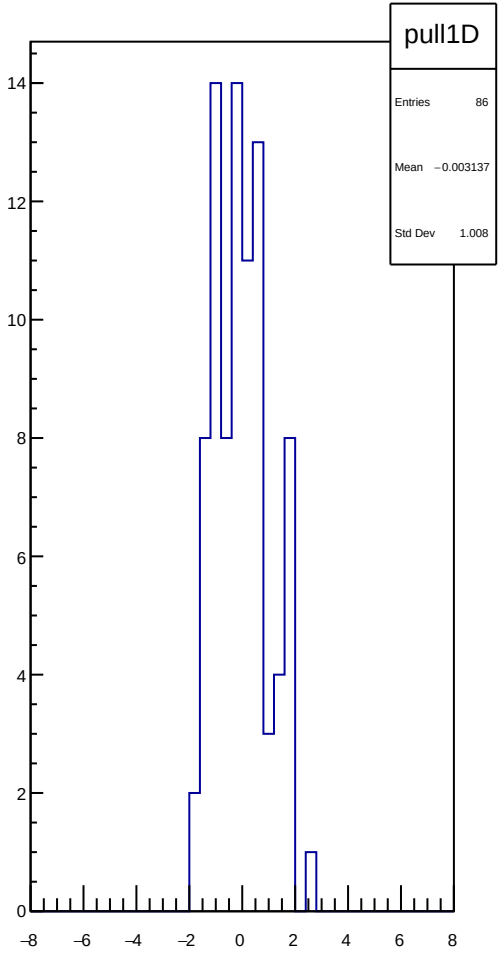

diff_bpmtargetdiffX_rms vs run
χ² / ndf 3973 / 85
p0 873.9 ± 0.6799
1100
1050
1000
950
900
850
800

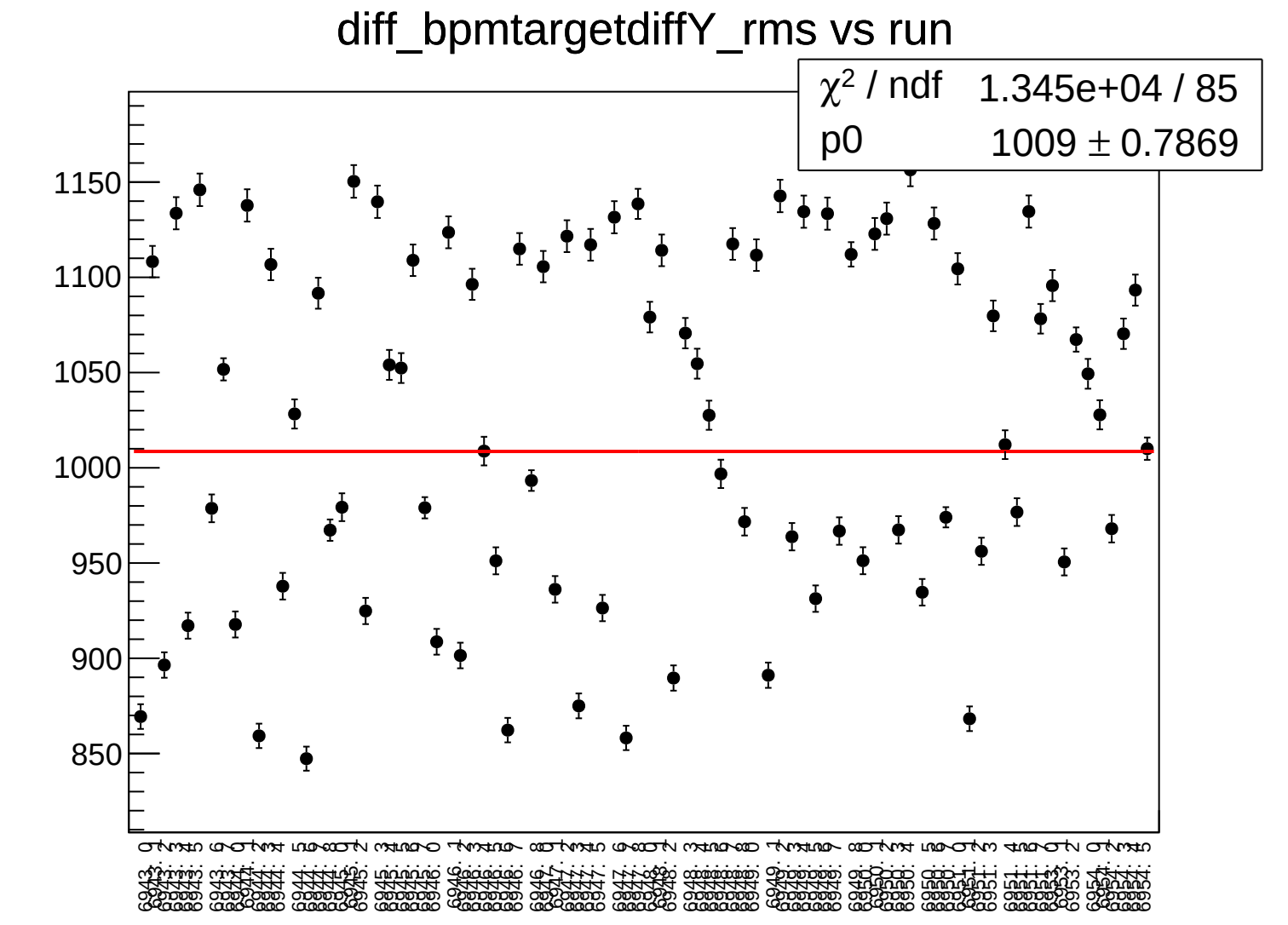

diff_bpmtargetsumY_mean vs run
χ² / ndf 85.48 / 85
p0 0.8466 ± 9.885
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −59.25
Std Dev 0
2
1
0
−1
−2

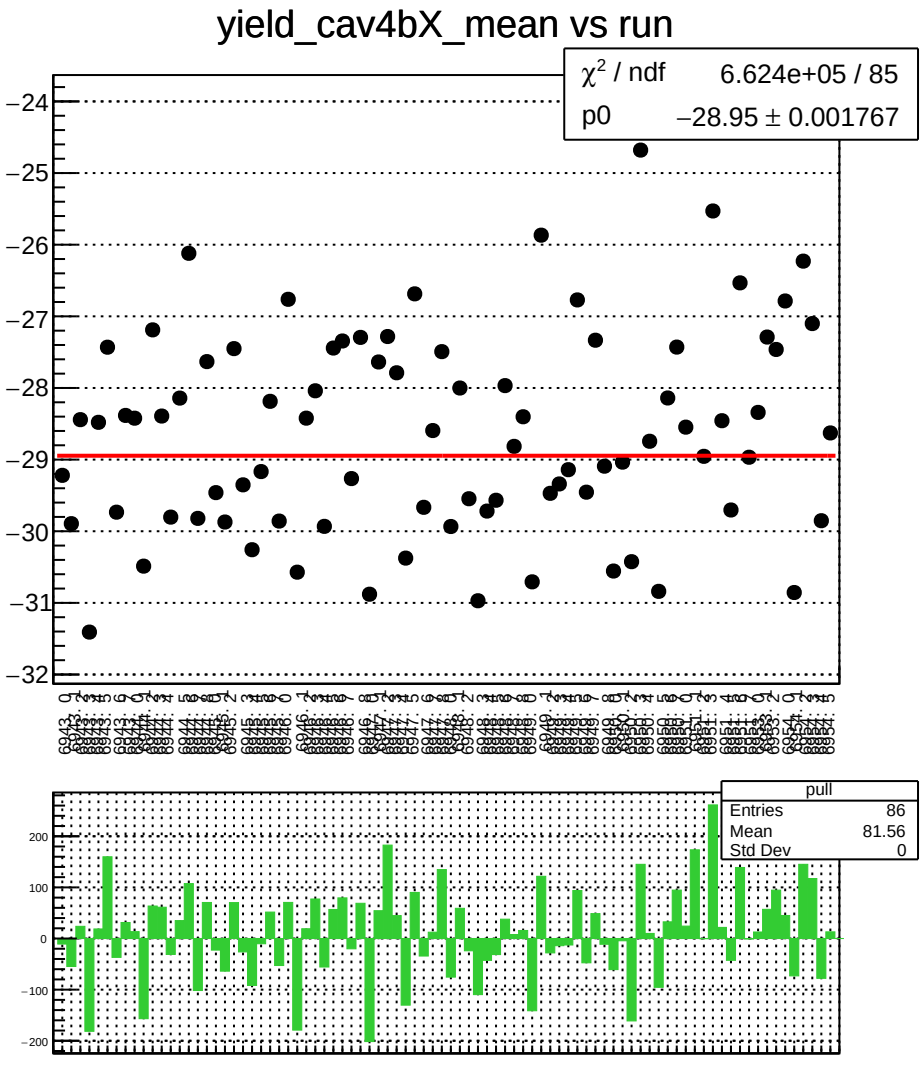

pull1D
Entries 86
Mean −0.01297
Std Dev 0.9969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

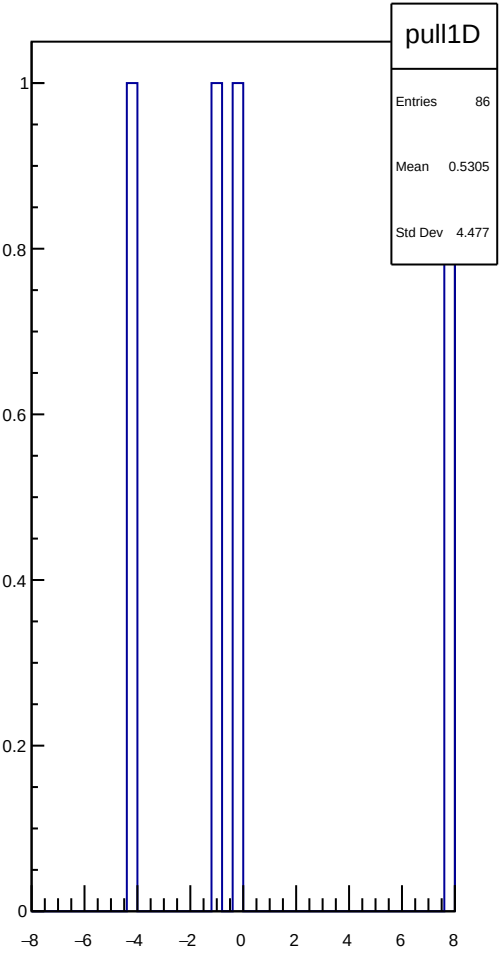

diff_bpmtargetsumY_rms vs run
χ² / ndf 2896 / 85
p0 8988 ± 6.99
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

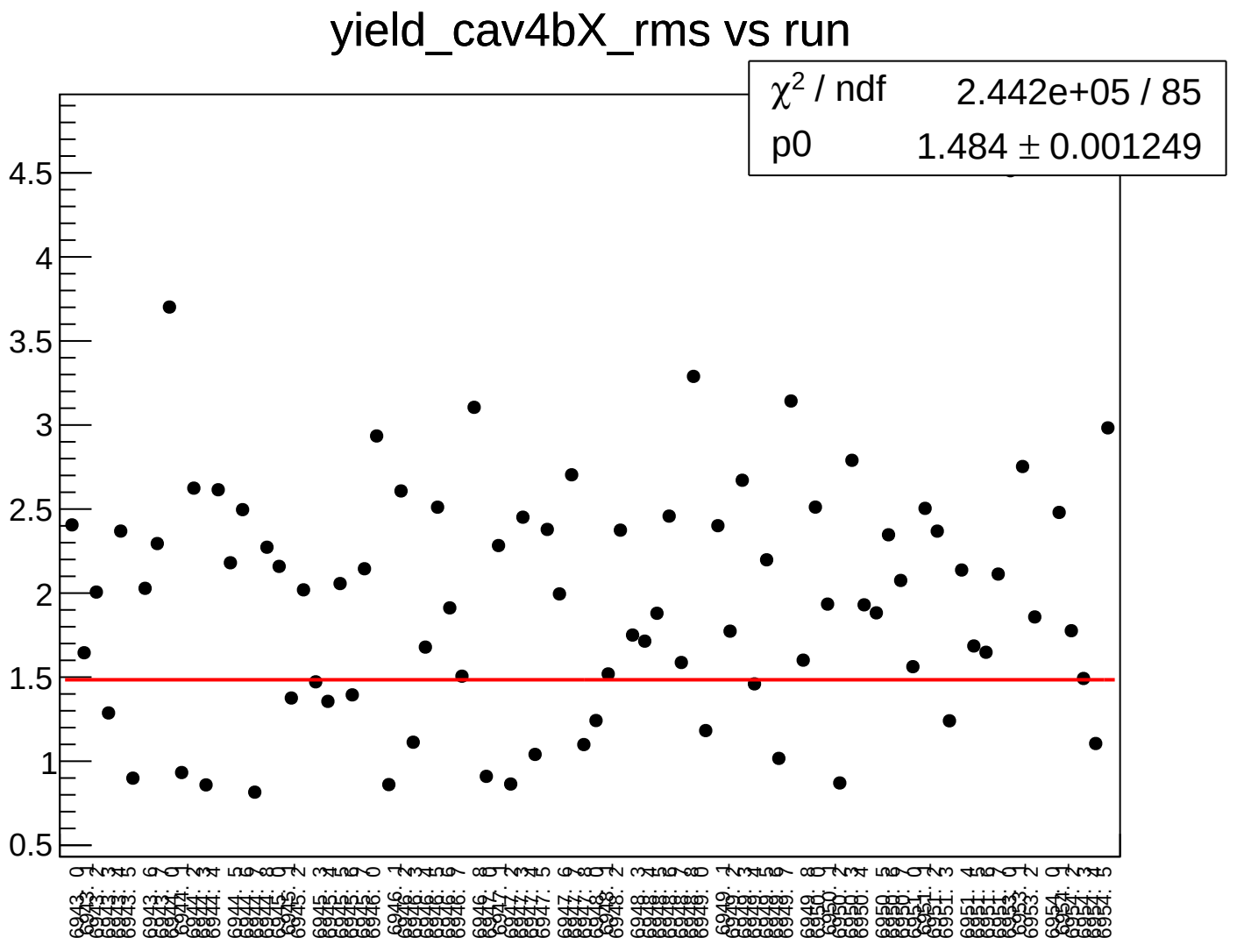

diff_bpmtargetdiffY_mean vs run
χ² / ndf 87.33 / 85
p0 −0.227 ± 1.113
pull
Entries 86
Mean −1459
Std Dev 0

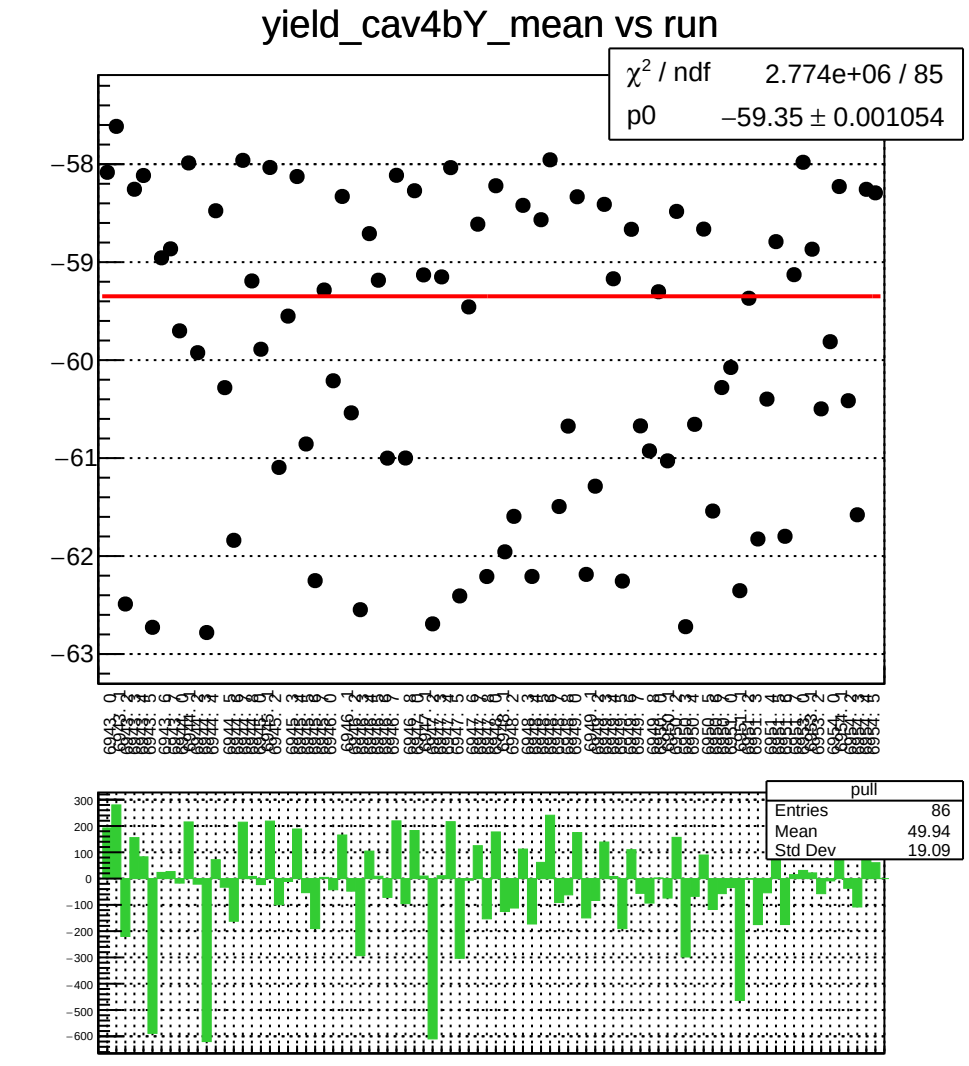

pull1D
Entries 86
Mean −0.003137
Std Dev 1.008

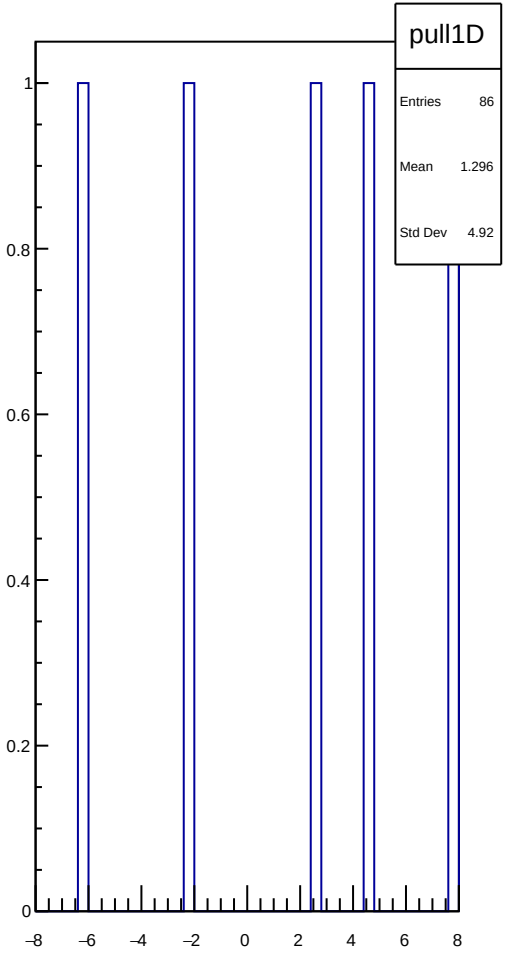

diff_bpmtargetdiffY_rms vs run
χ² / ndf 1.345e+04 / 85
p0 1009 ± 0.7869
1150
1100
1050
1000
950
900
850

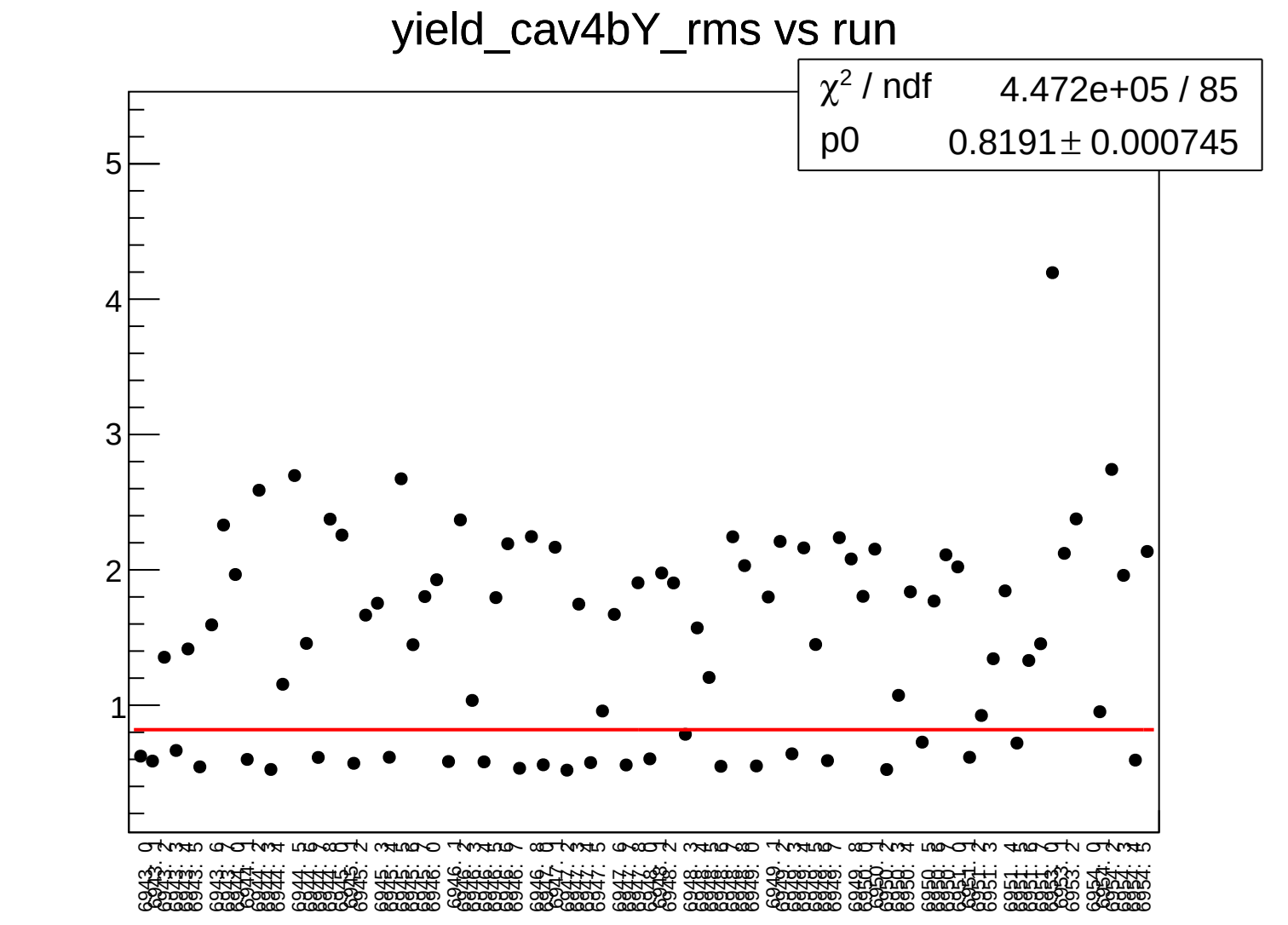

yield_cav4bX_mean vs run
χ² / ndf 6.624e+05 / 85
p0 −28.95 ± 0.001767
pull
Entries 86
Mean 81.56
Std Dev 0

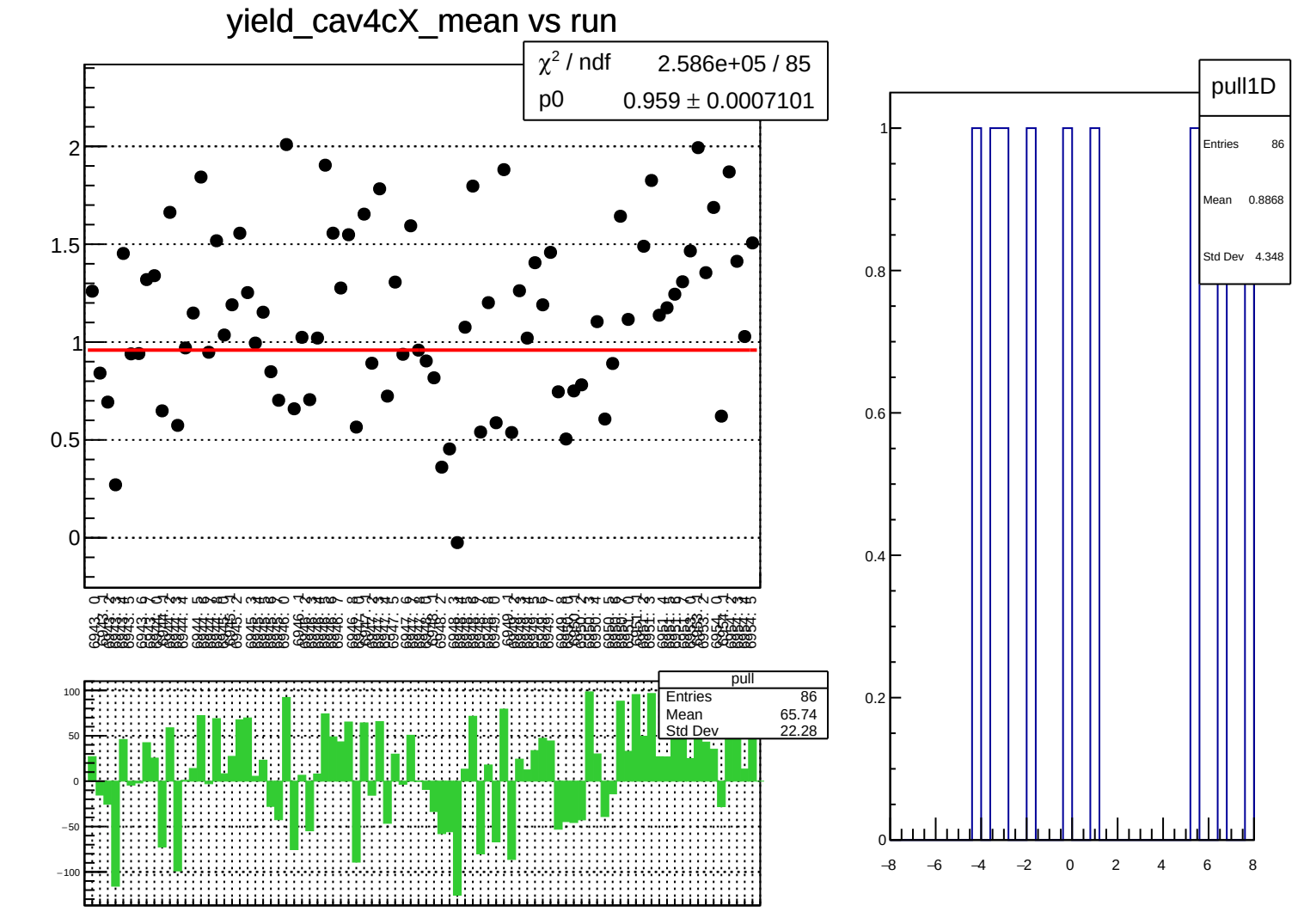

pull1D
Entries 86
Mean 0.5305
Std Dev 4.477

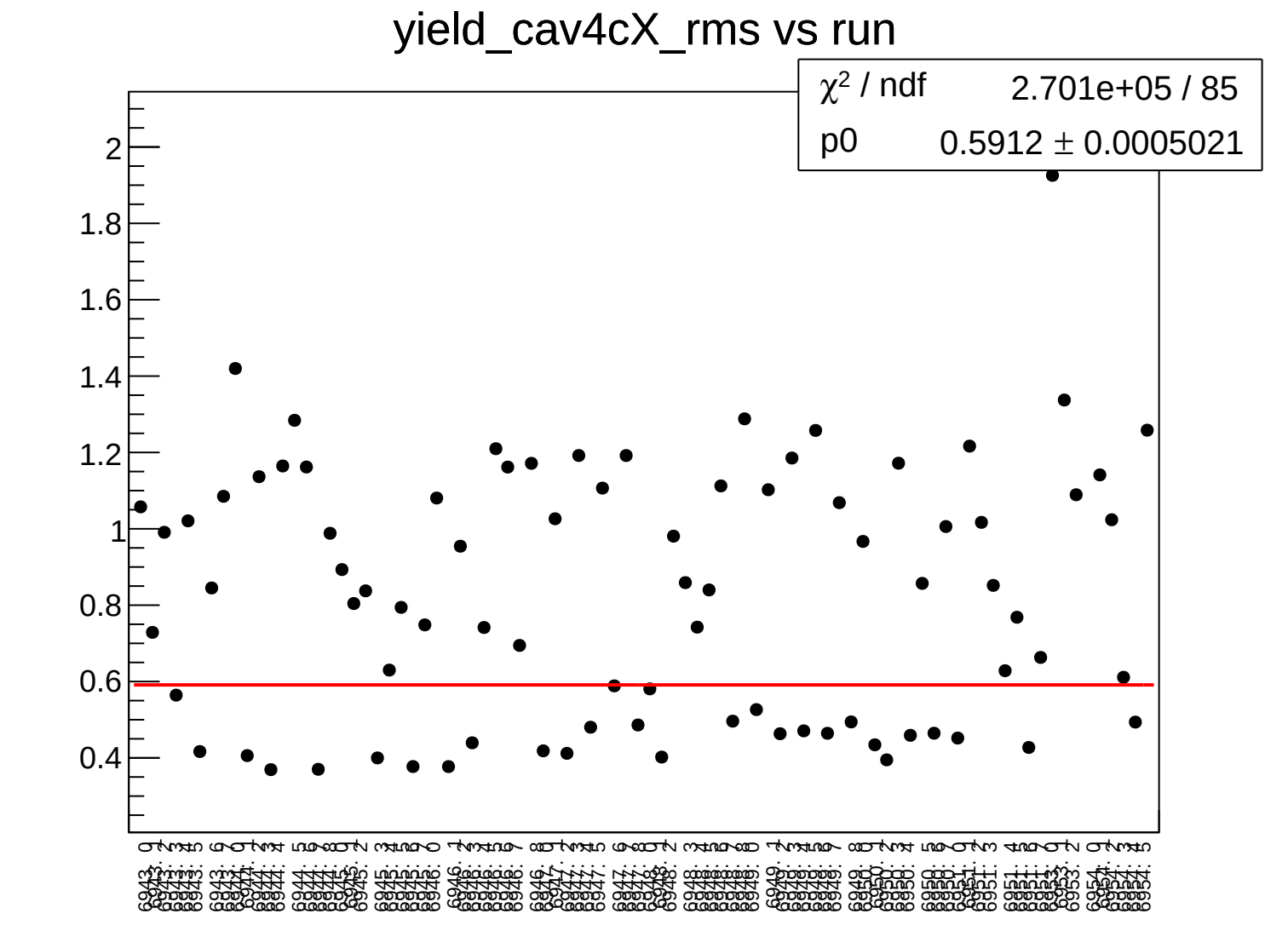

yield_cav4bX_rms vs run
χ^2 / ndf 2.442e+05 / 85
p0 1.484 ± 0.001249
4.5
4
3.5
3
2.5
2
1.5
1
0.5

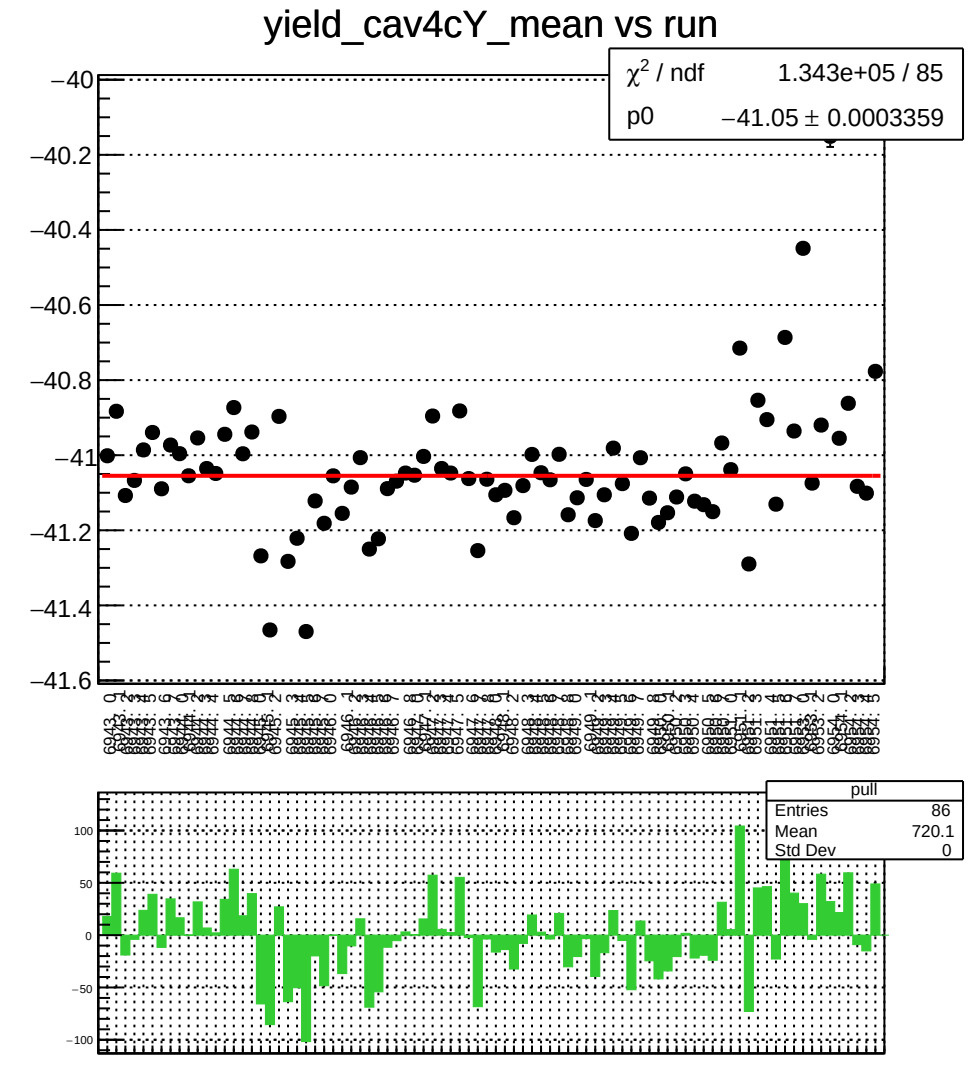

yield_cav4bY_mean vs run
χ² / ndf 2.774e+06 / 85
p0 −59.35 ± 0.001054
−58
−59
−60
−61
−62
−63
pull
Entries 86
Mean 49.94
Std Dev 19.09
300
200
100
0
−100
−200
−300
−400
−500
−600

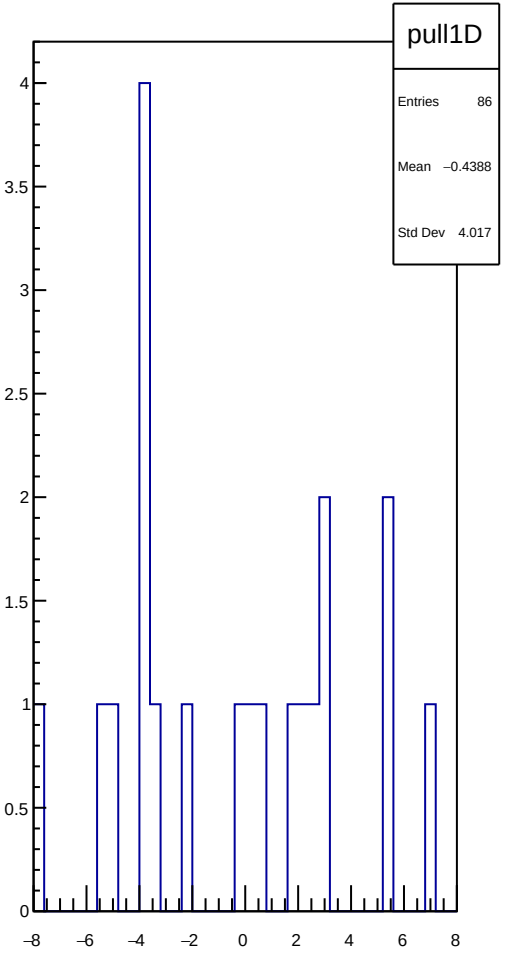

pull1D
Entries 86
Mean 1.296
Std Dev 4.92
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

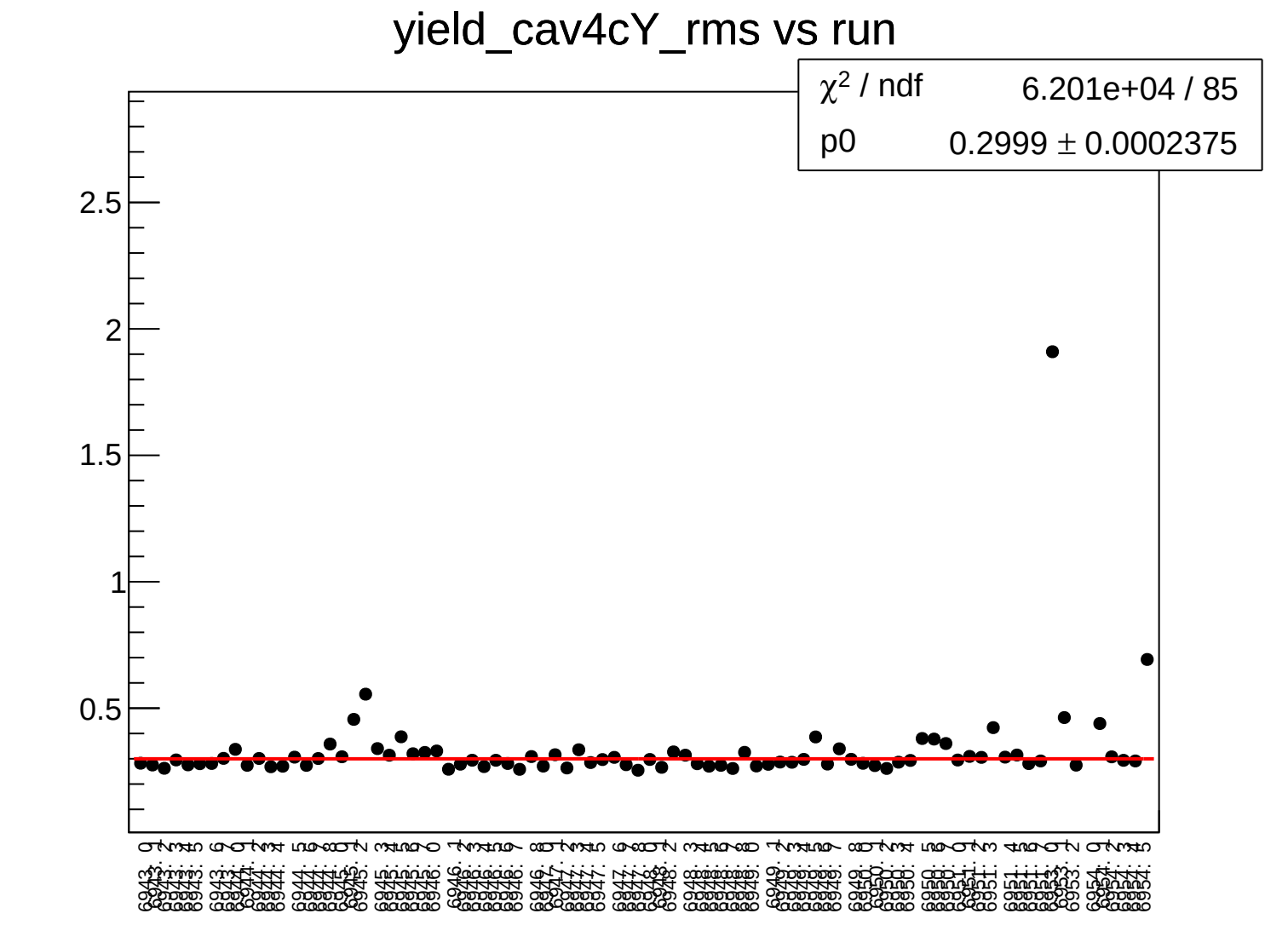

yield_cav4bY_rms vs run
χ^2 / ndf 4.472e+05 / 85
p0 0.8191 ± 0.000745
5
4
3
2
1

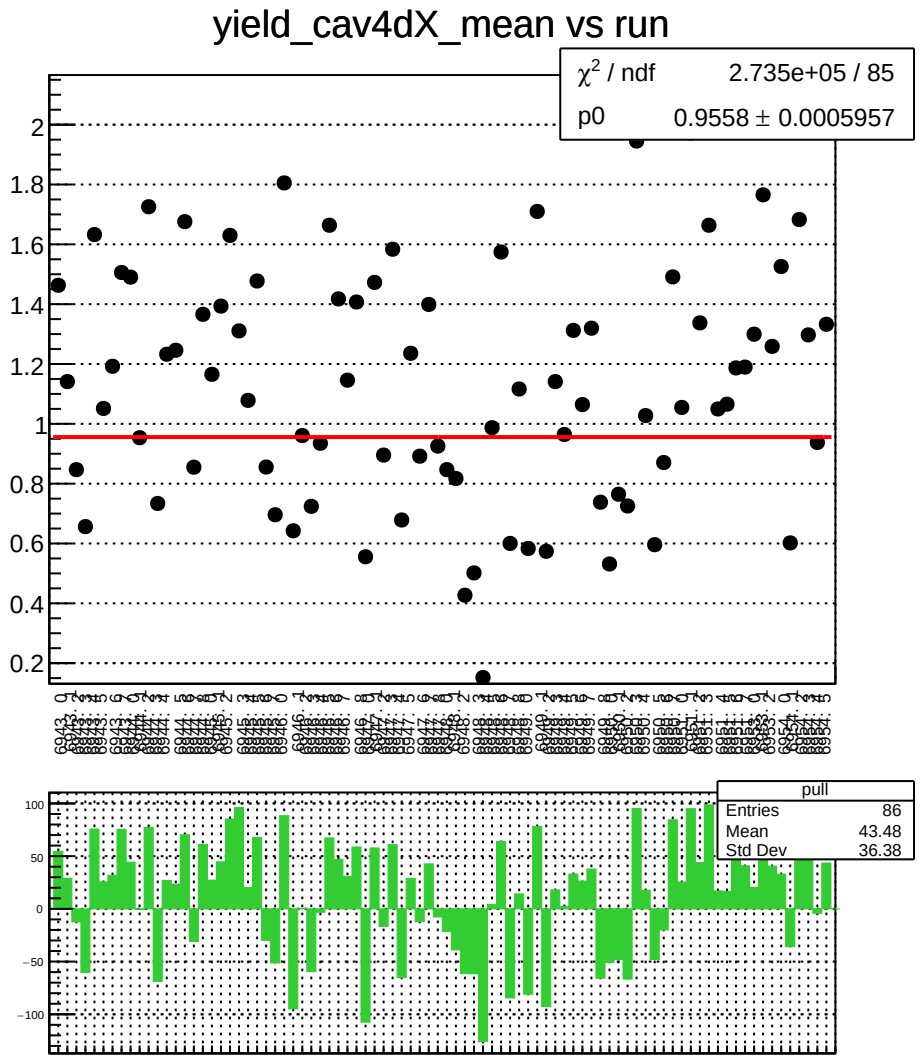

yield_cav4cX_mean vs run
χ² / ndf 2.586e+05 / 85
p0 0.959 ± 0.0007101
pull
Entries 86
Mean 65.74
Std Dev 22.28
pull1D
Entries 86
Mean 0.8868
Std Dev 4.348

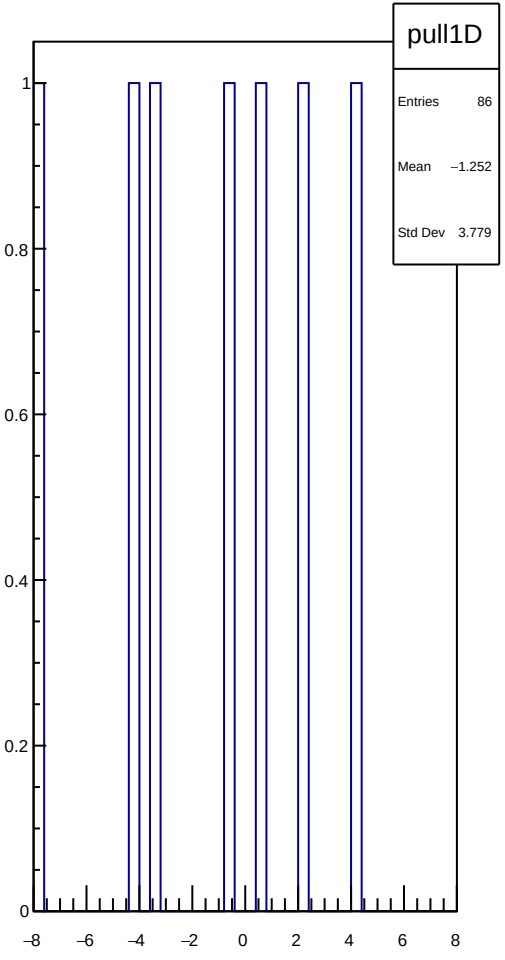

yield_cav4cX_rms vs run
χ² / ndf 2.701e+05 / 85
p0 0.5912 ± 0.0005021
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

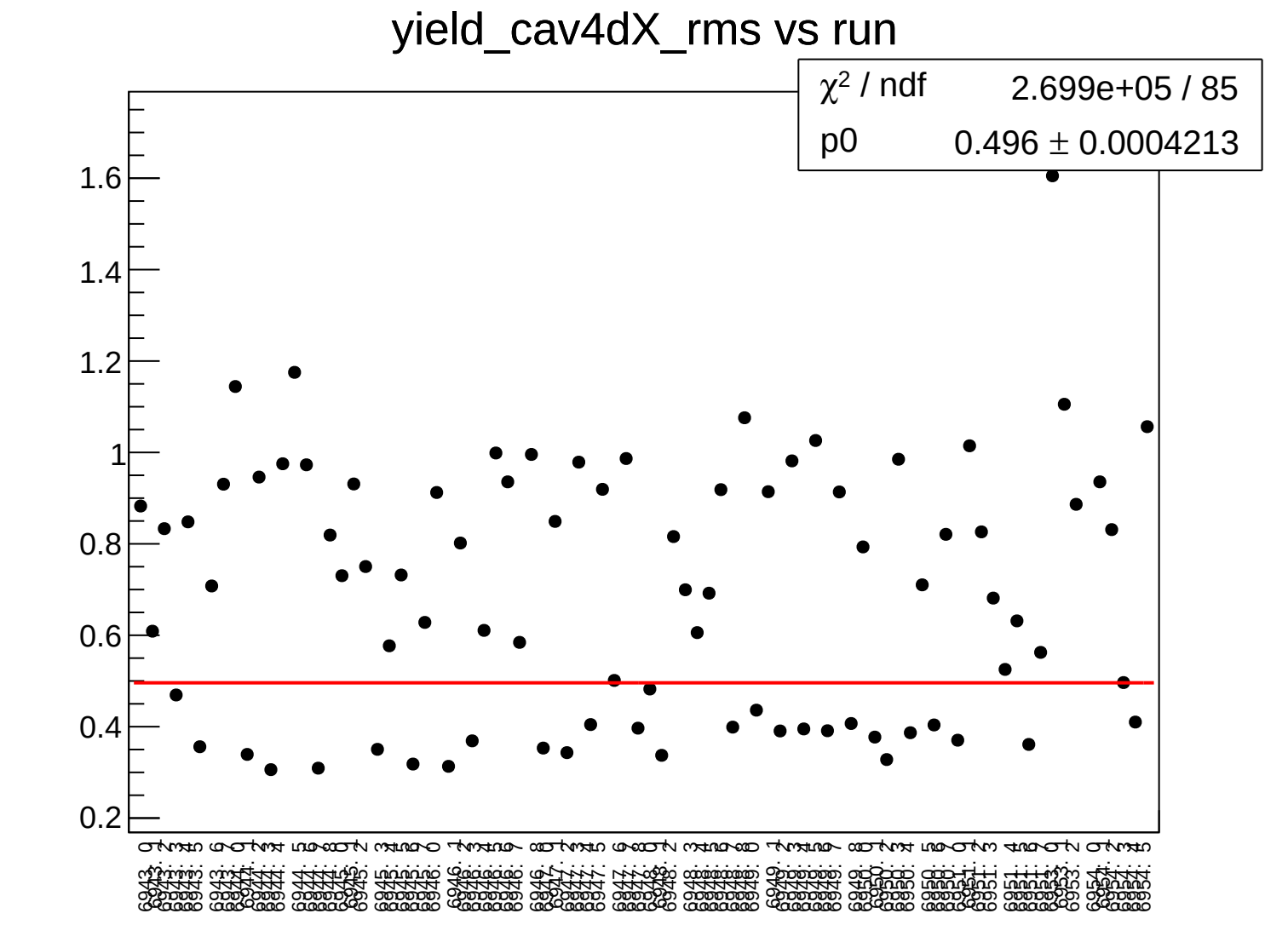

yield_cav4cY_mean vs run
χ² / ndf 1.343e+05 / 85
p0 −41.05 ± 0.0003359
−40
−40.2
−40.4
−40.6
−40.8
−41
−41.2
−41.4
−41.6
pull
Entries 86
Mean 720.1
Std Dev 0
100
50
0
−50
−100

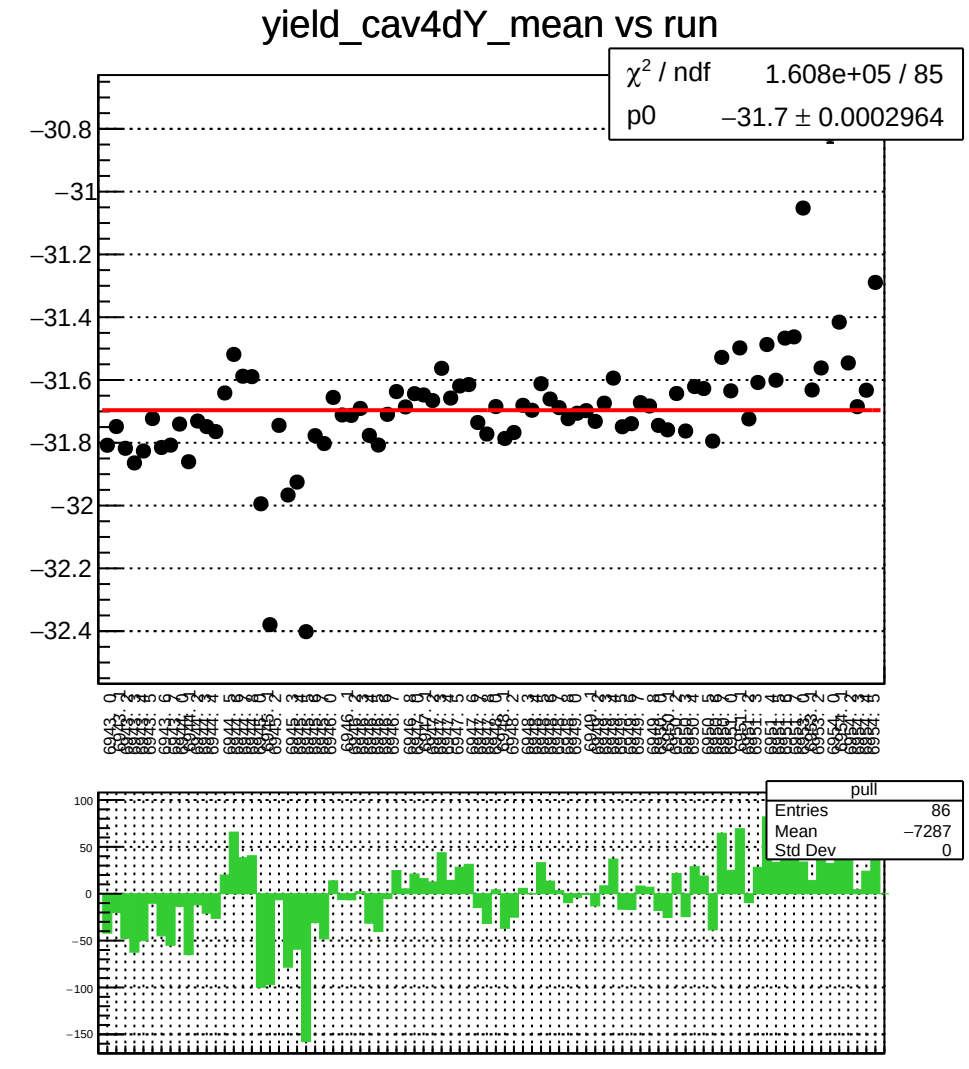

pull1D
Entries 86
Mean −0.4388
Std Dev 4.017
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

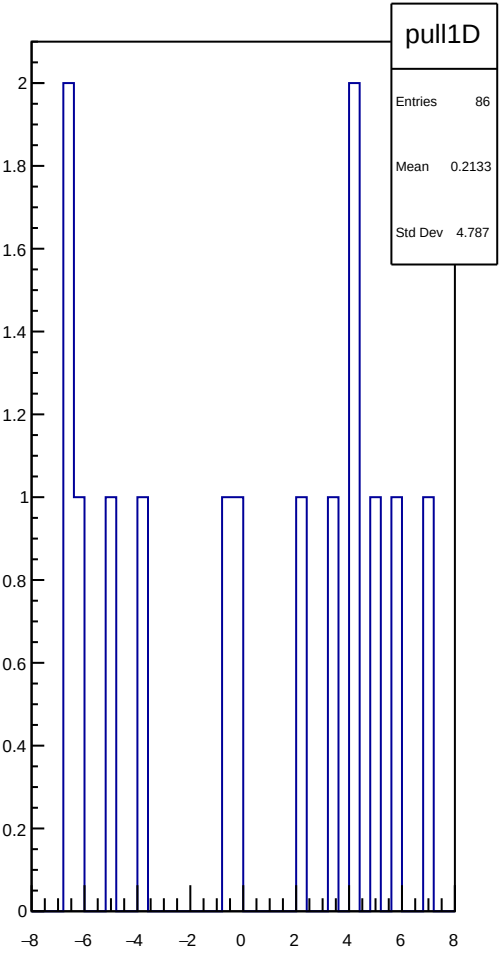

yield_cav4cY_rms vs run
χ² / ndf 6.201e+04 / 85
p0 0.2999 ± 0.0002375
2.5
2
1.5
1
0.5

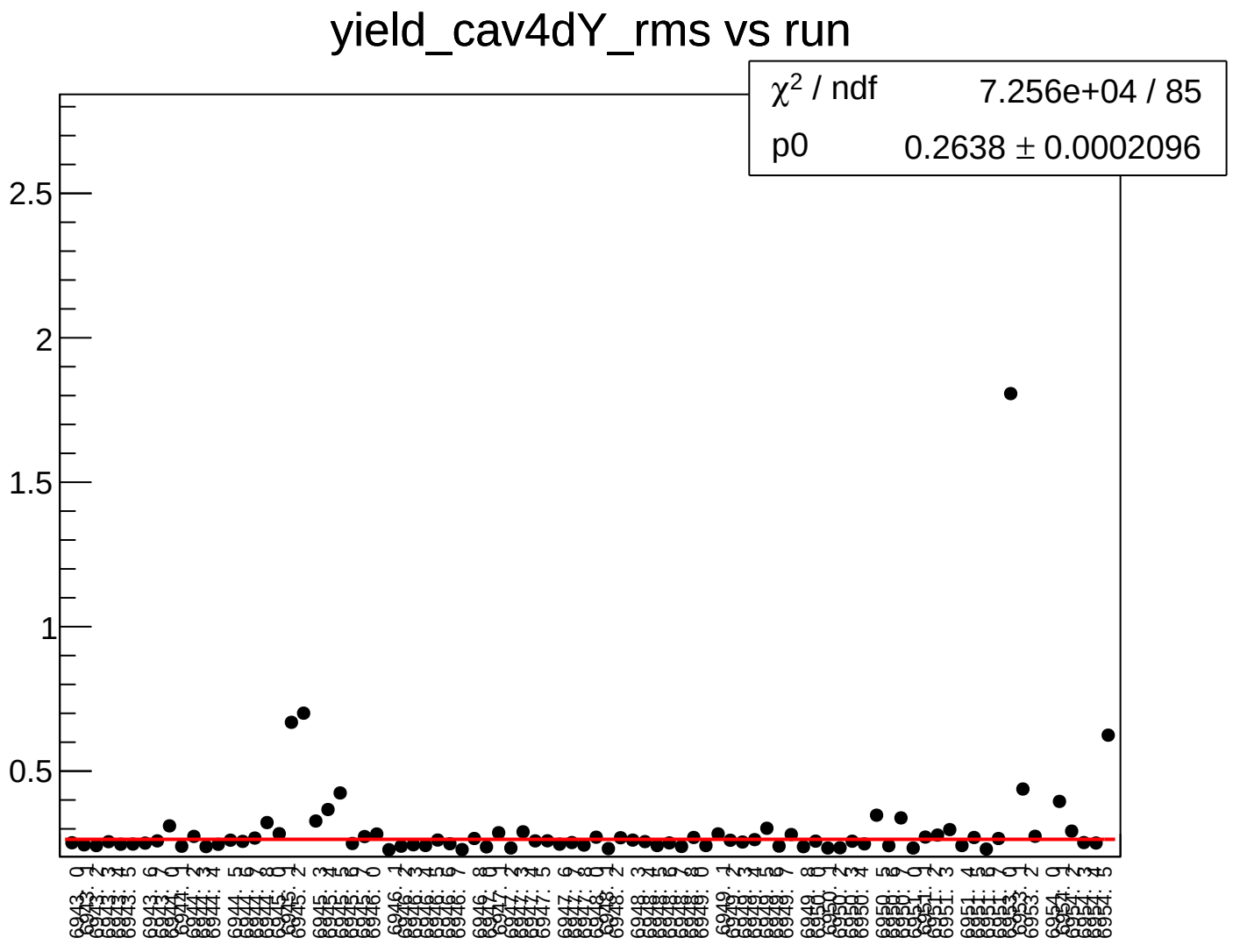

yield_cav4dX_mean vs run
χ² / ndf 2.735e+05 / 85
p0 0.9558 ± 0.0005957
pull
Entries 86
Mean 43.48
Std Dev 36.38

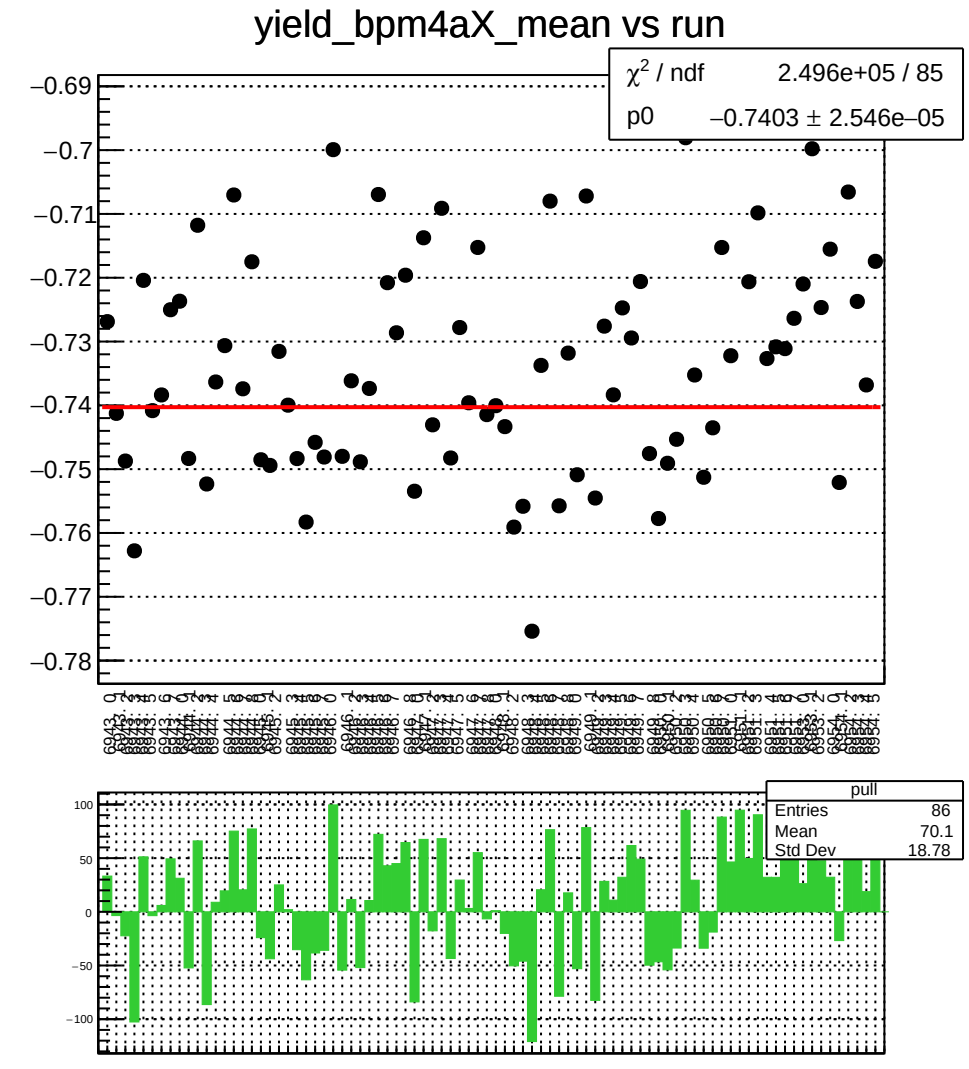

pull1D
Entries 86
Mean −1.252
Std Dev 3.779

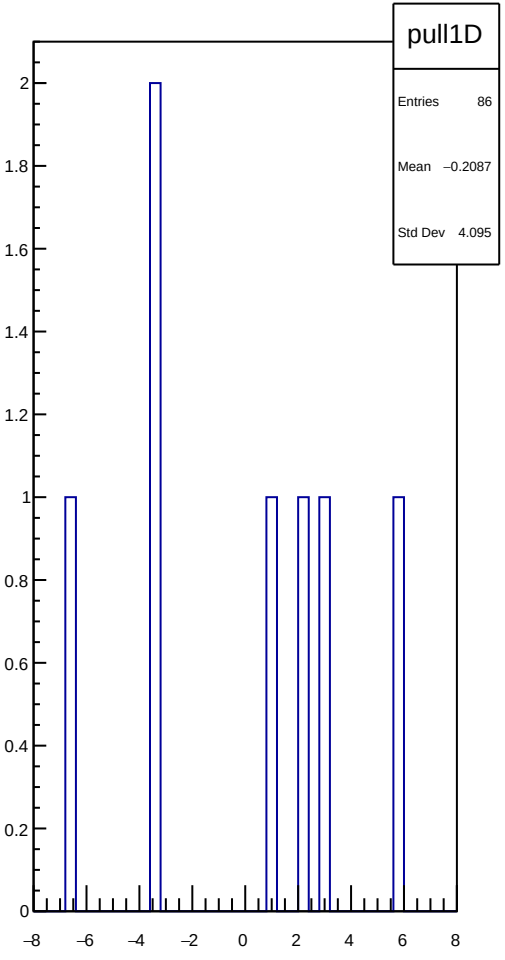

yield_cav4dX_rms vs run
χ² / ndf 2.699e+05 / 85
p0 0.496 ± 0.0004213
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

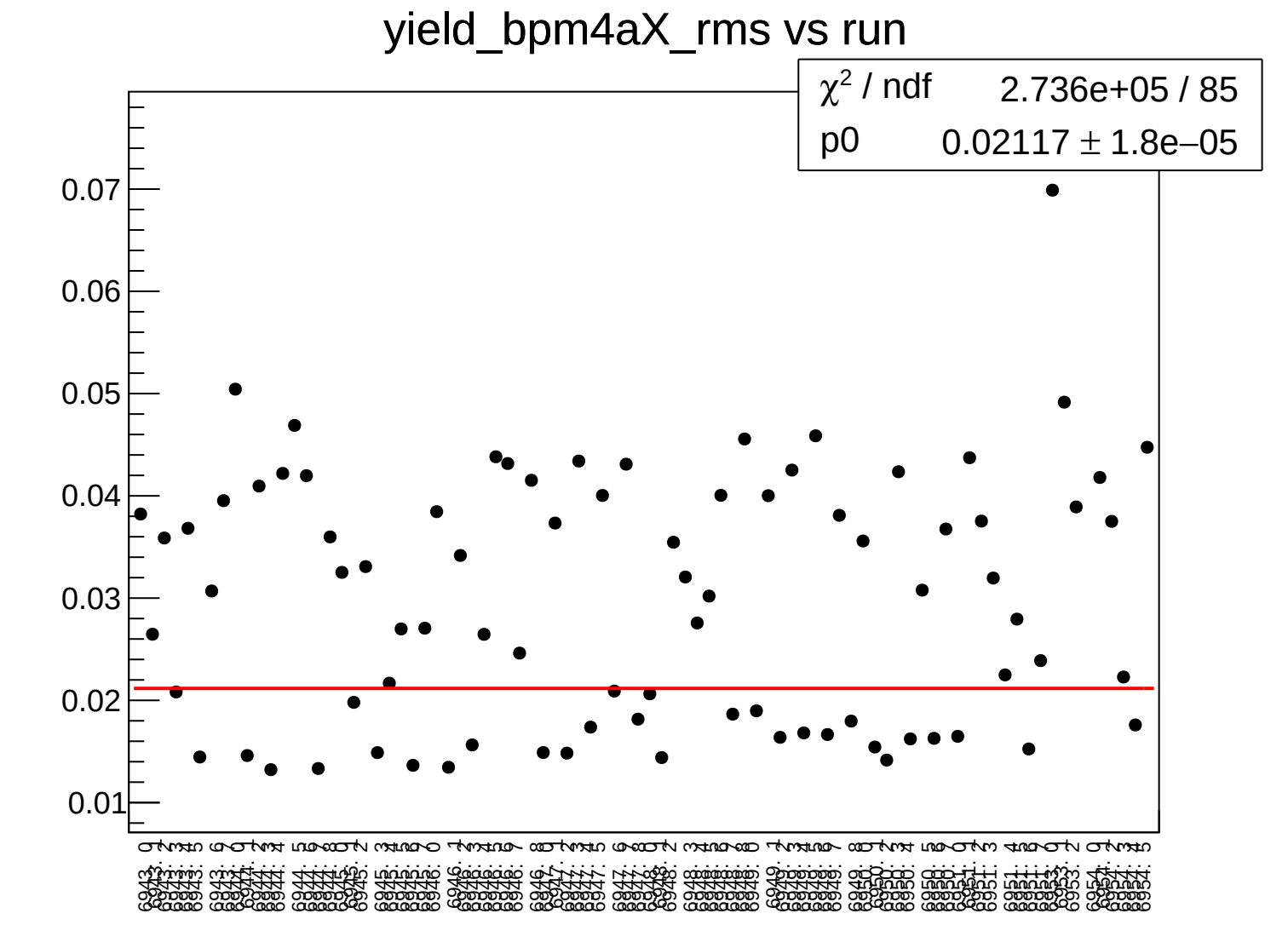

yield_cav4dY_mean vs run
χ² / ndf 1.608e+05 / 85
p0 −31.7 ± 0.0002964
pull
Entries 86
Mean −7287
Std Dev 0

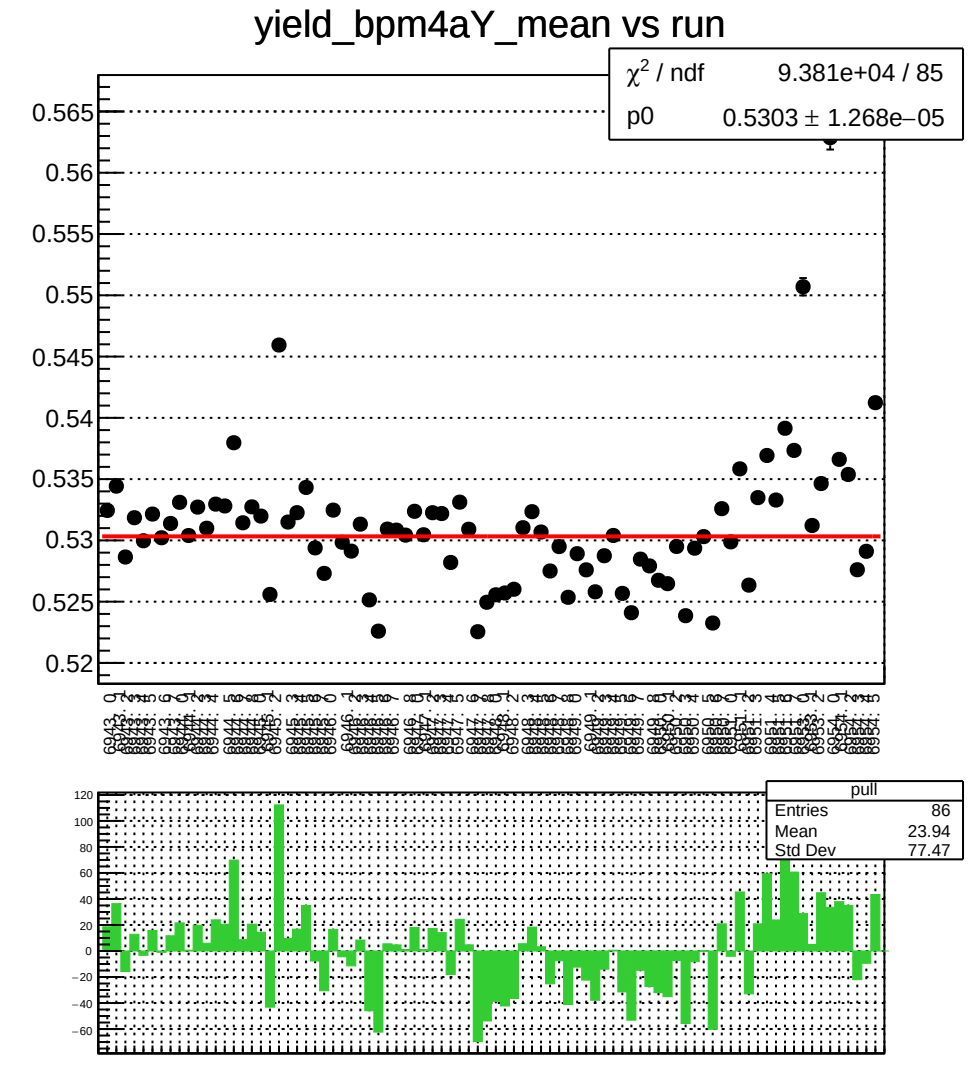

pull1D
Entries 86
Mean 0.2133
Std Dev 4.787

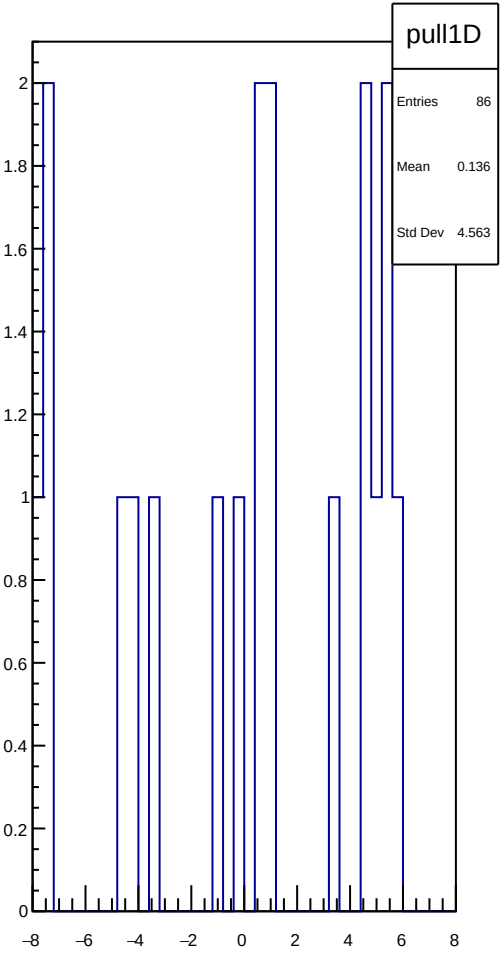

yield_cav4dY_rms vs run
χ² / ndf 7.256e+04 / 85
p0 0.2638 ± 0.0002096
2.5
2
1.5
1
0.5

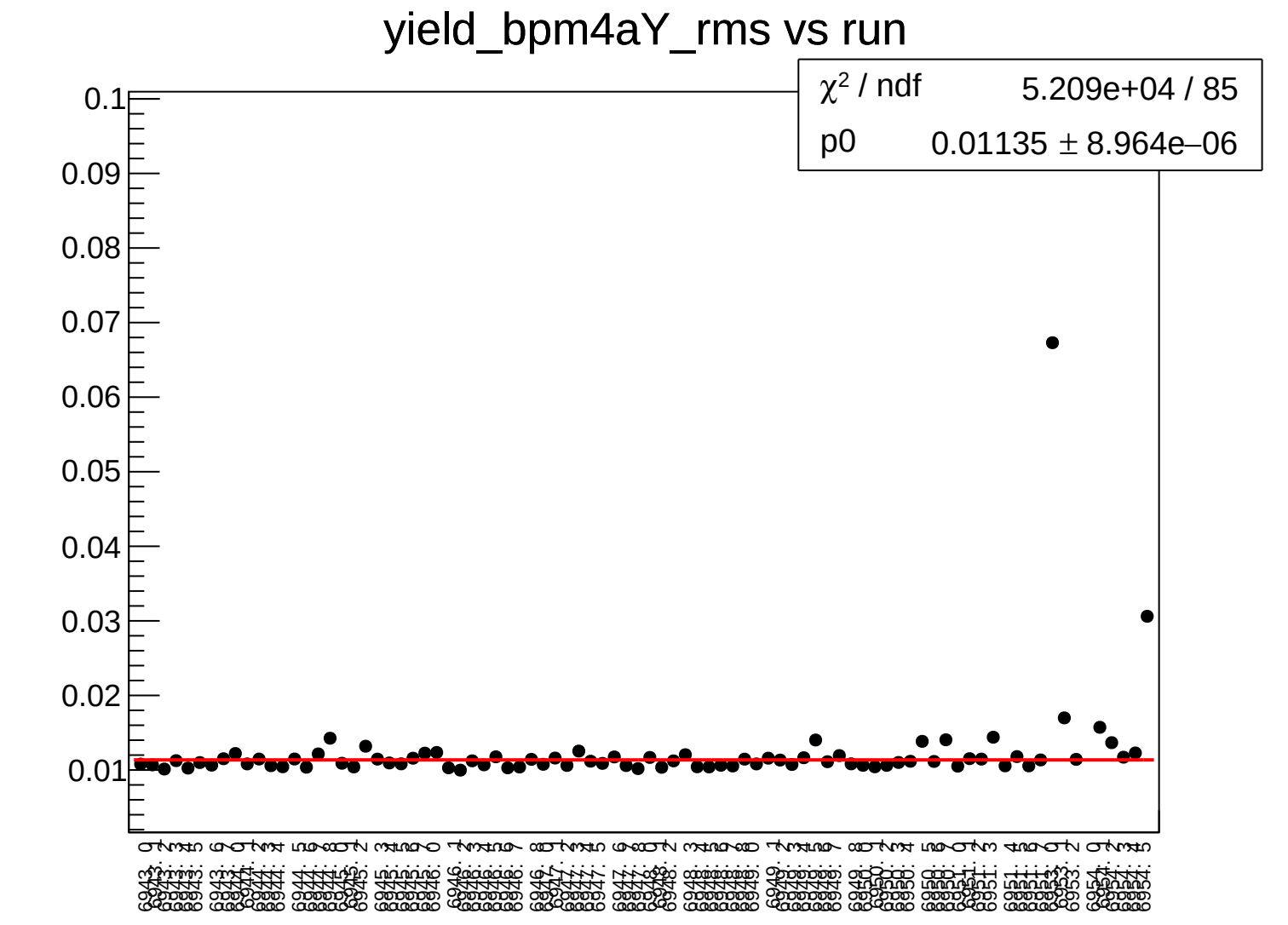

yield_bpm4aX_mean vs run
χ² / ndf 2.496e+05 / 85
p0 −0.7403 ± 2.546e−05
pull
Entries 86
Mean 70.1
Std Dev 18.78

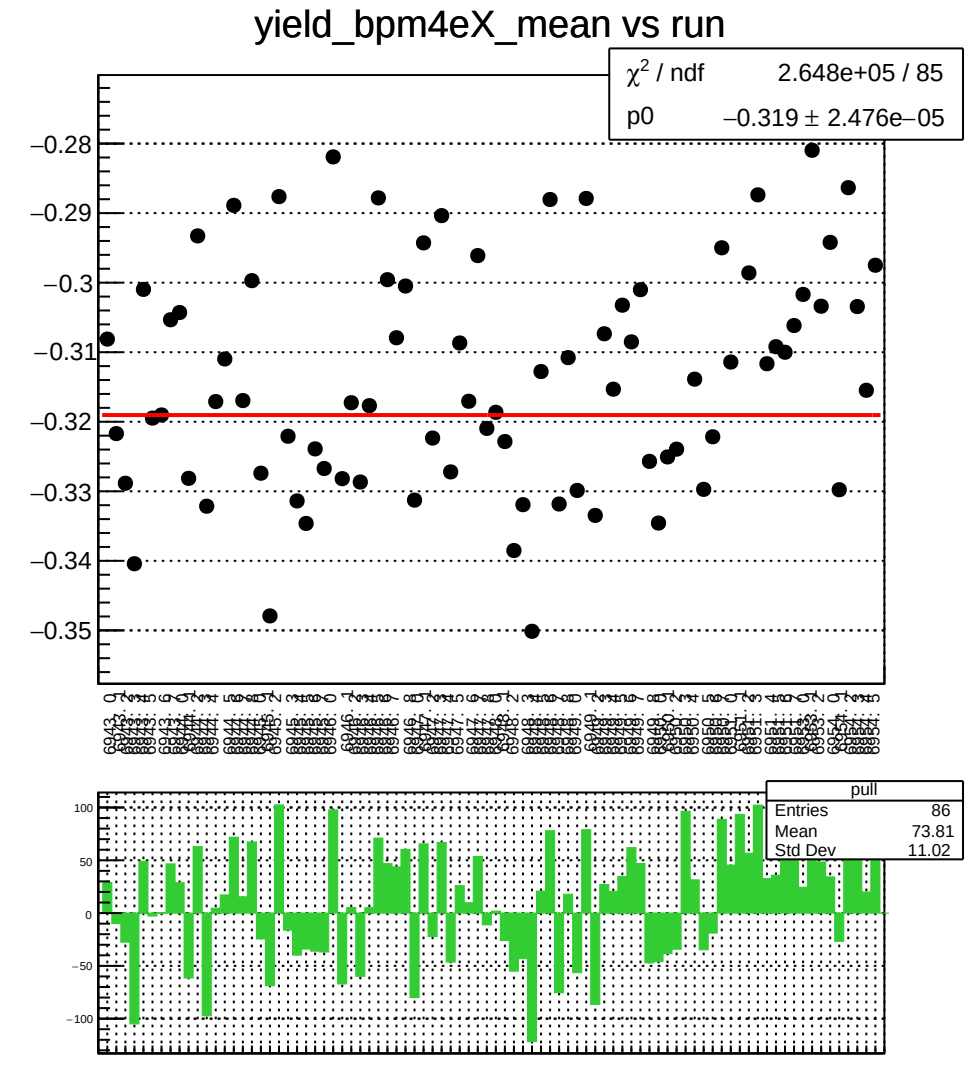

pull1D
Entries 86
Mean −0.2087
Std Dev 4.095

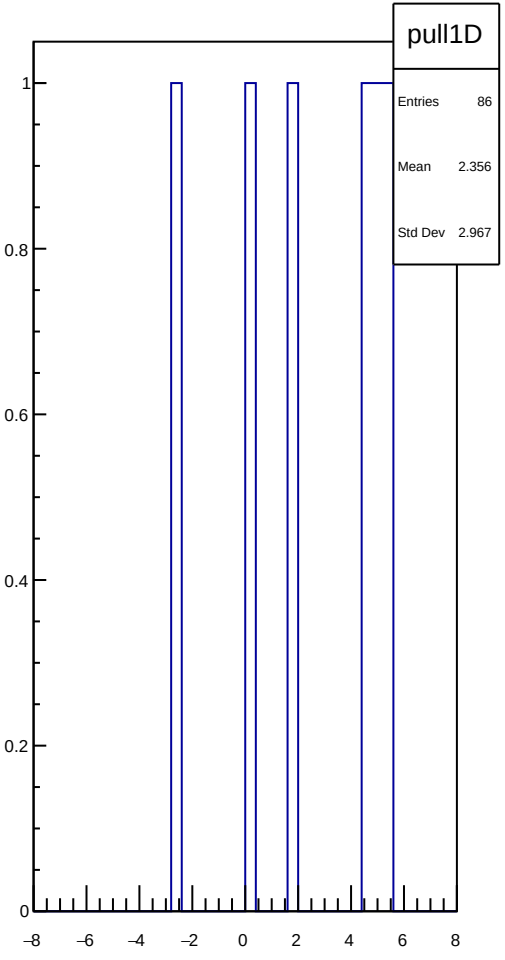

yield_bpm4aX_rms vs run
χ^2 / ndf 2.736e+05 / 85
p0 0.02117 ± 1.8e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

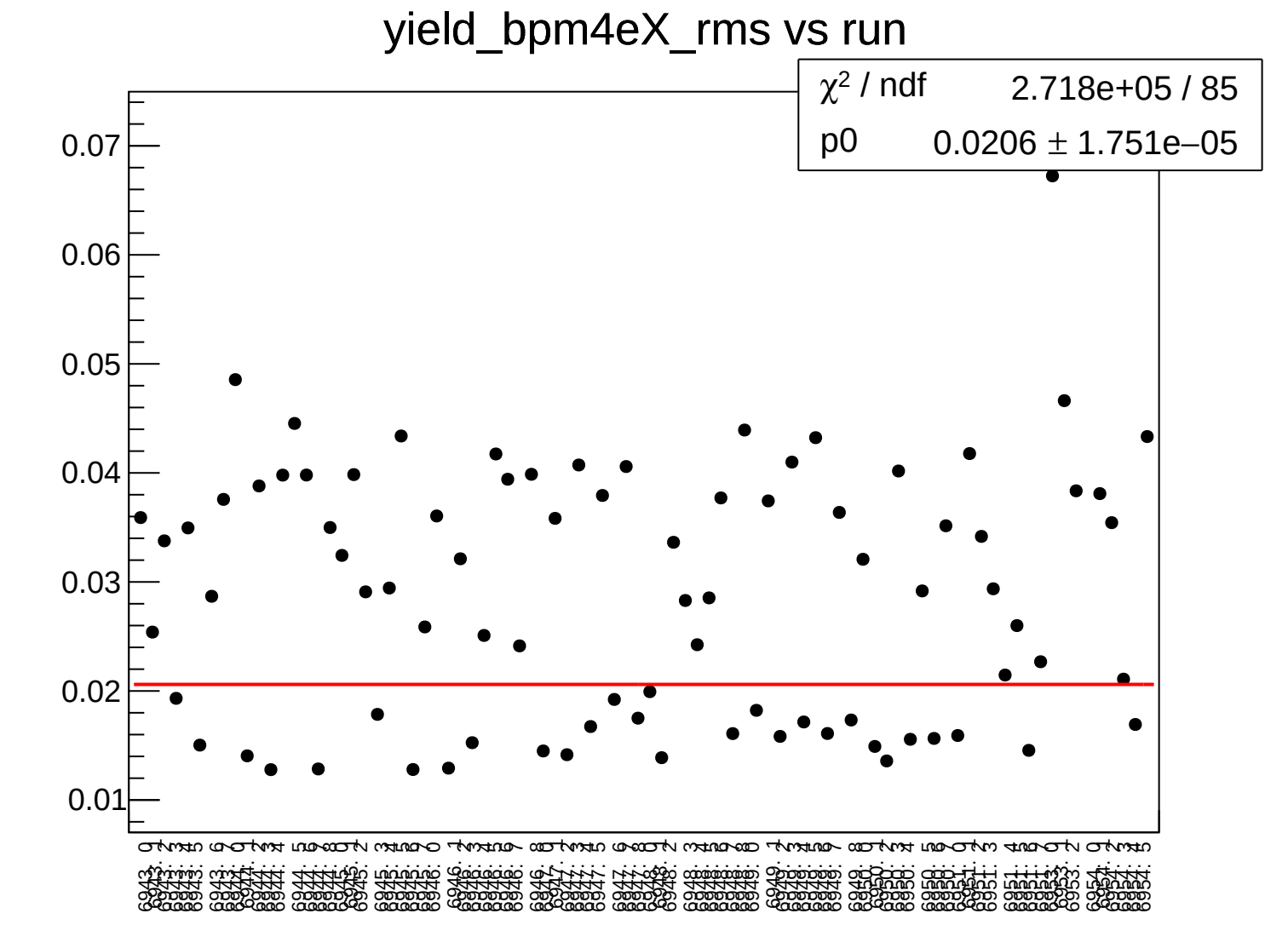

yield_bpm4aY_mean vs run
χ² / ndf 9.381e+04 / 85
p0 0.5303 ± 1.268e−05
pull
Entries 86
Mean 23.94
Std Dev 77.47

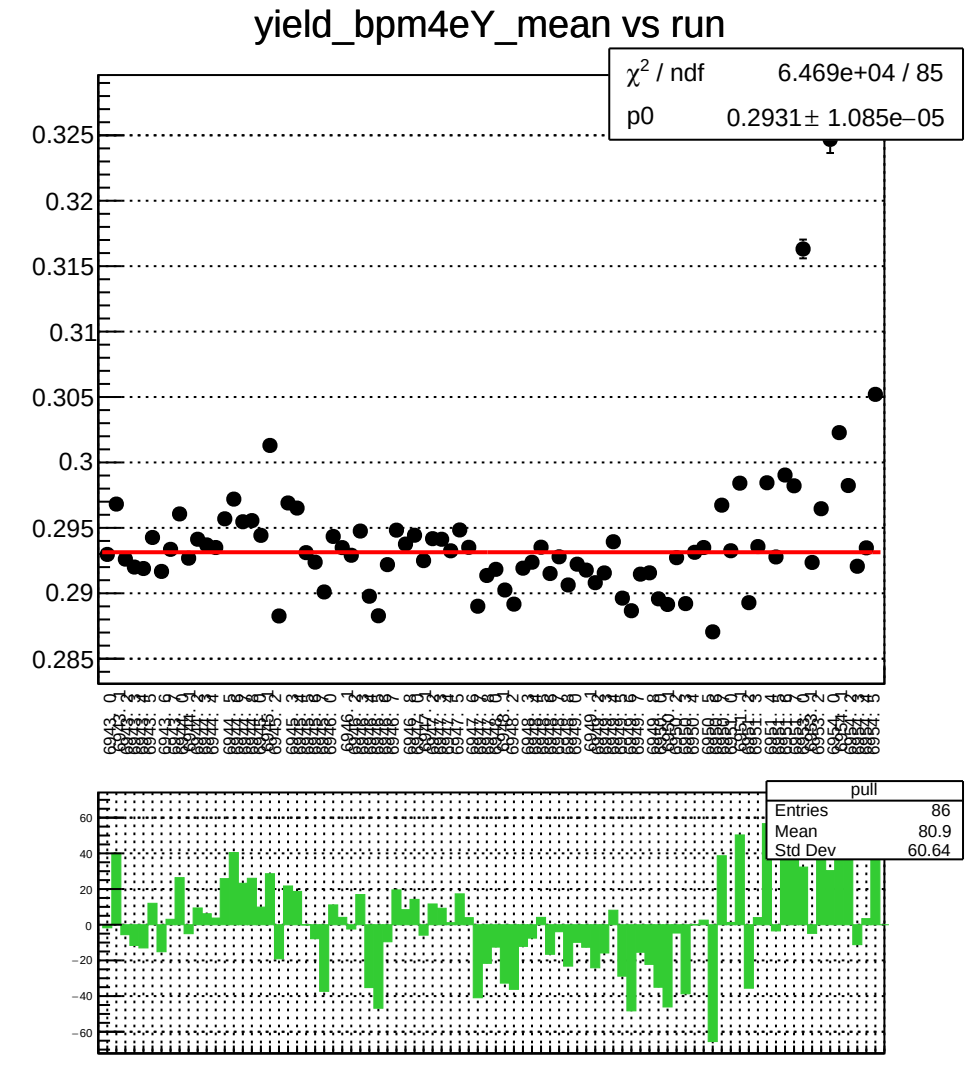

pull1D
Entries 86
Mean 0.136
Std Dev 4.563

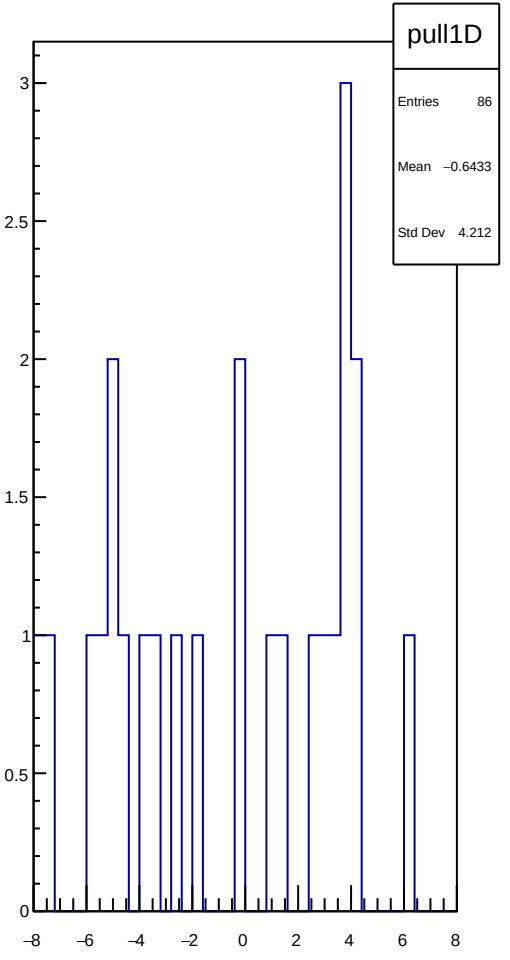

yield_bpm4aY_rms vs run
χ² / ndf 5.209e+04 / 85
p0 0.01135 ± 8.964e–06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

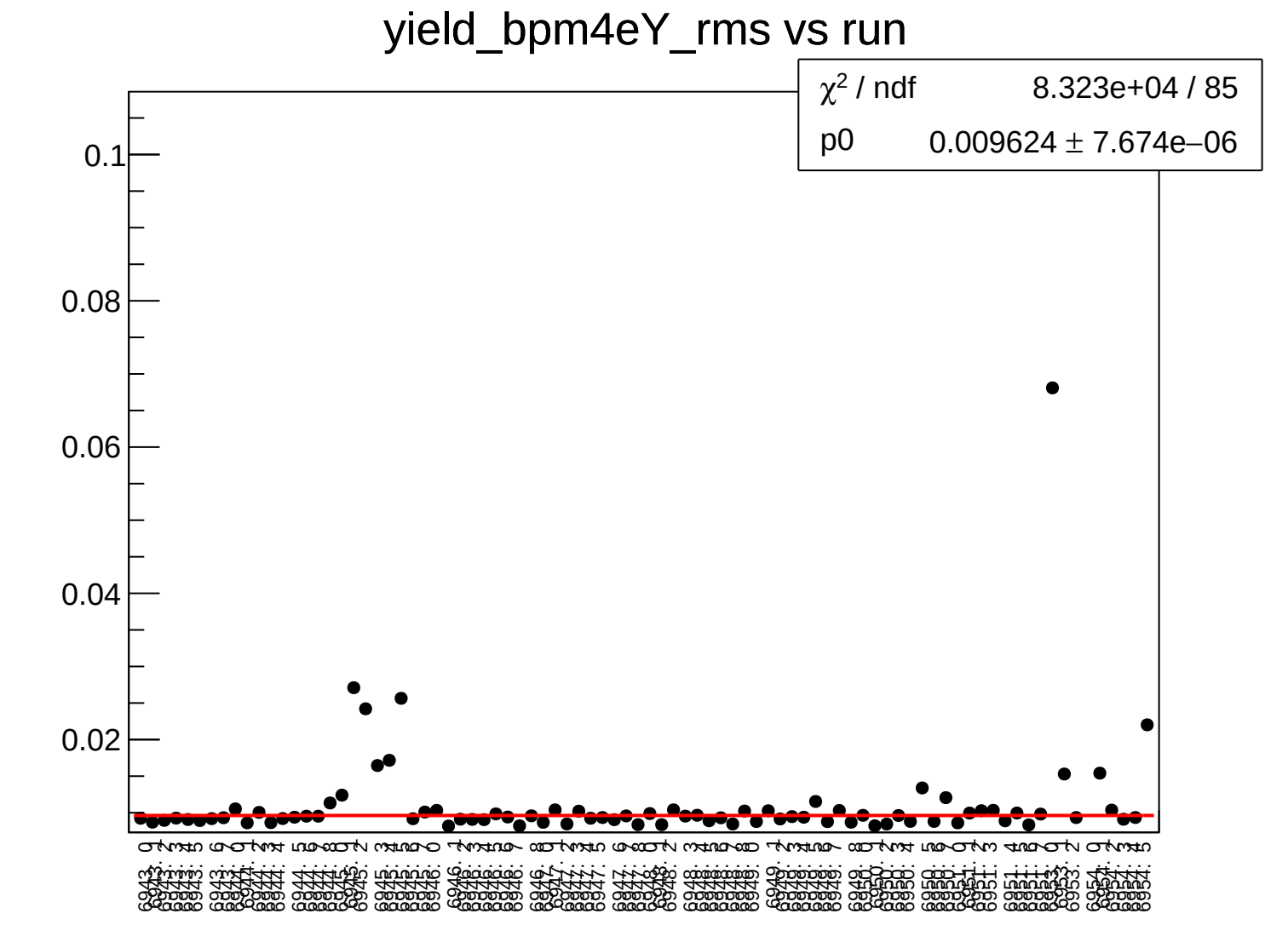

yield_bpm4eX_mean vs run
χ² / ndf 2.648e+05 / 85
p0 −0.319 ± 2.476e−05
−0.28
−0.29
−0.3
−0.31
−0.32
−0.33
−0.34
−0.35
pull
Entries 86
Mean 73.81
Std Dev 11.02
100
50
0
−50
−100

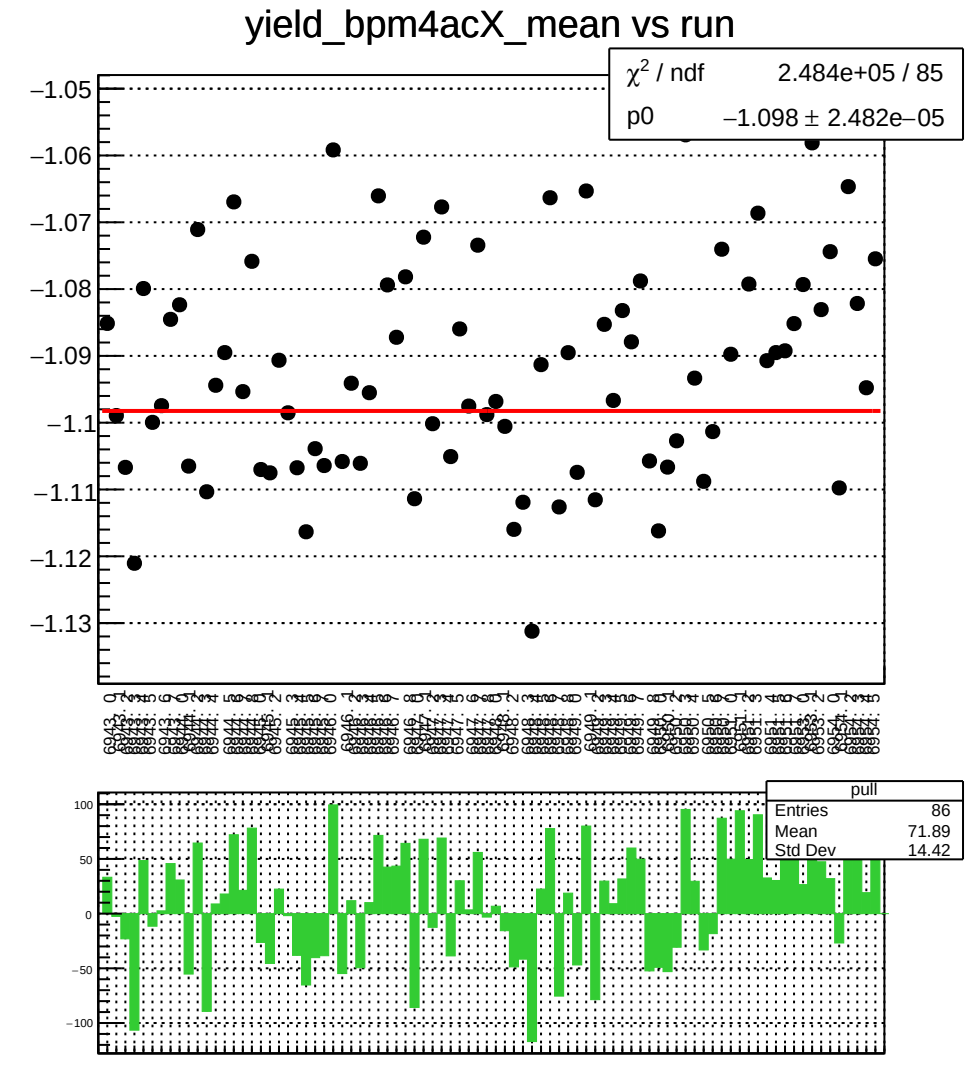

pull1D
Entries 86
Mean 2.356
Std Dev 2.967
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

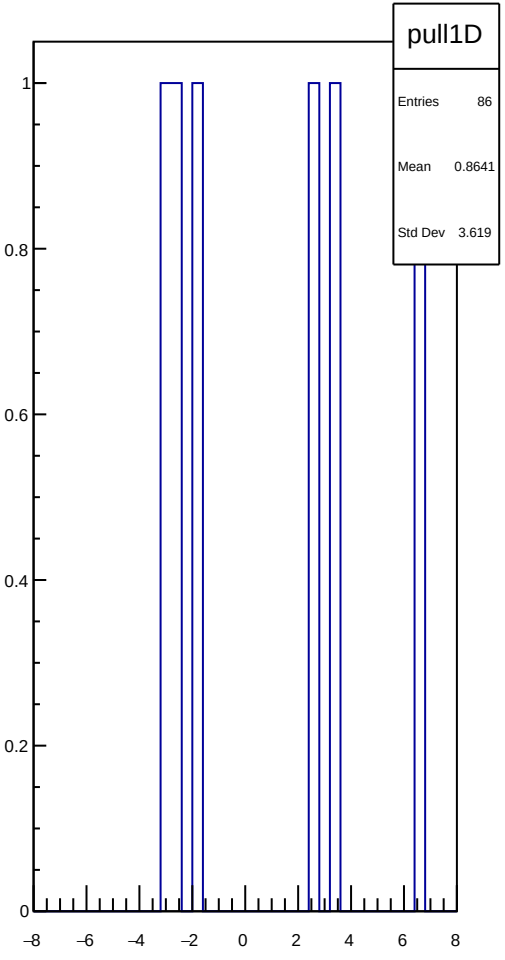

yield_bpm4eX_rms vs run
χ² / ndf 2.718e+05 / 85
p0 0.0206 ± 1.751e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

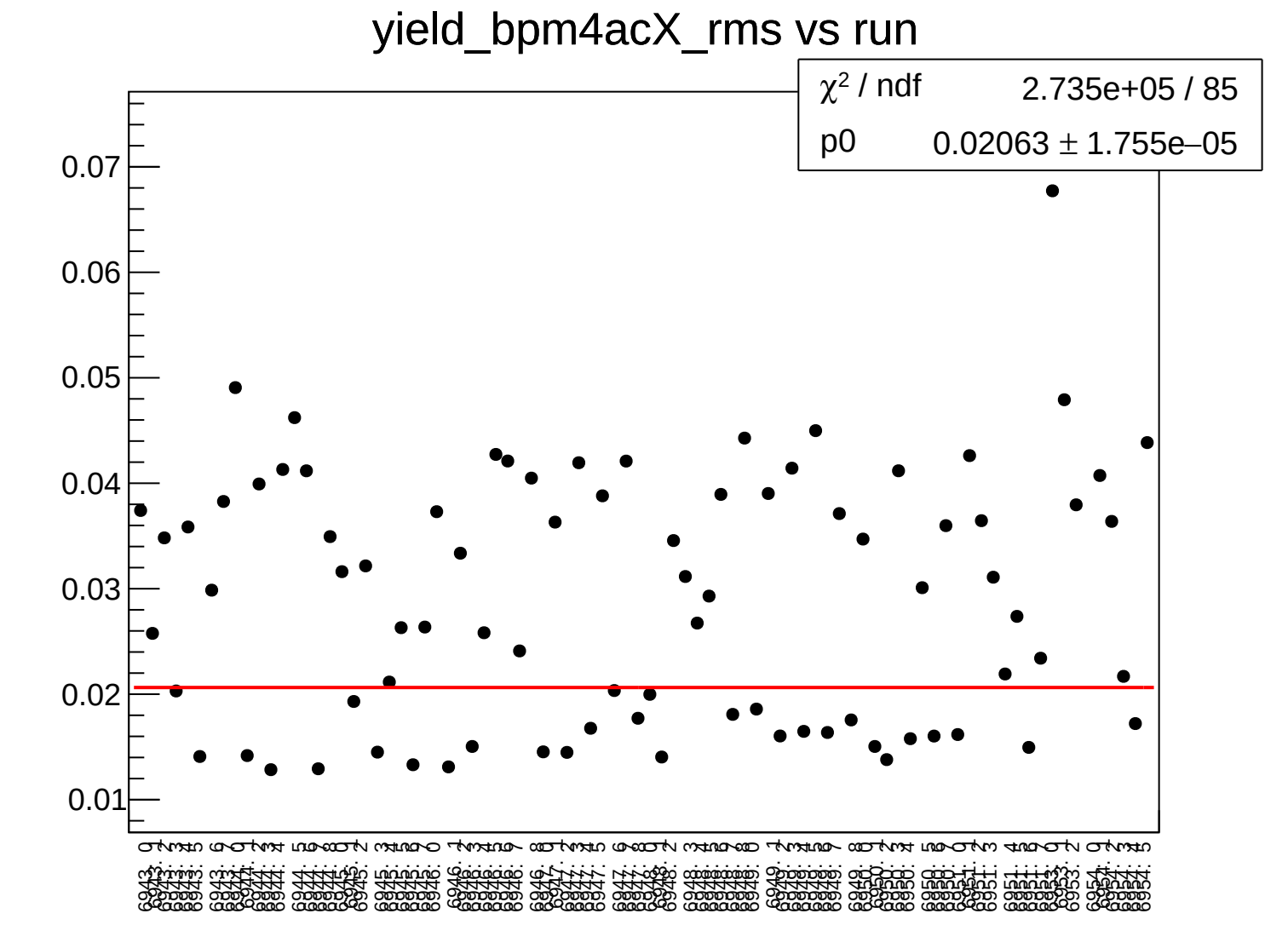

yield_bpm4eY_mean vs run
χ² / ndf 6.469e+04 / 85
p0 0.2931 ± 1.085e−05
0.325
0.32
0.315
0.31
0.305
0.3
0.295
0.29
0.285
pull
Entries 86
Mean 80.9
Std Dev 60.64
60
40
20
0
−20
−40
−60

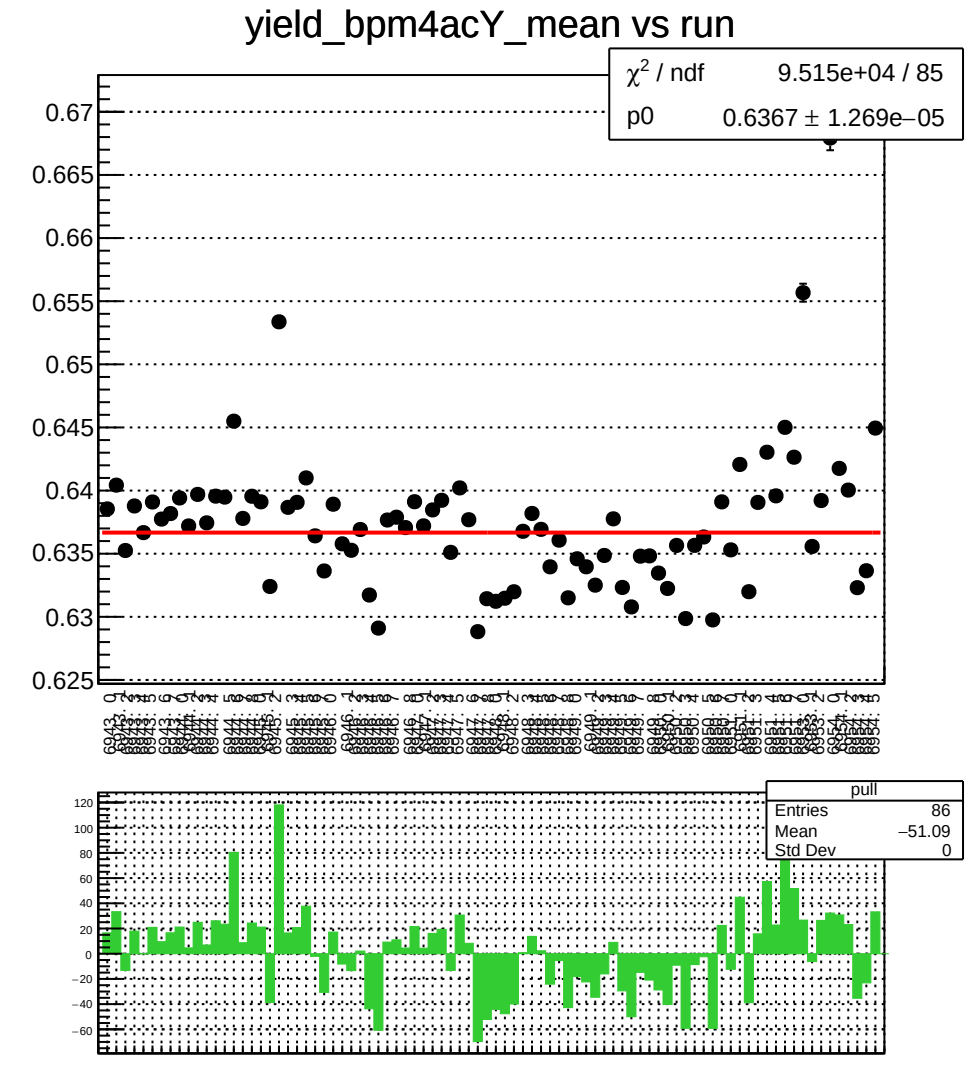

pull1D
Entries 86
Mean −0.6433
Std Dev 4.212
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

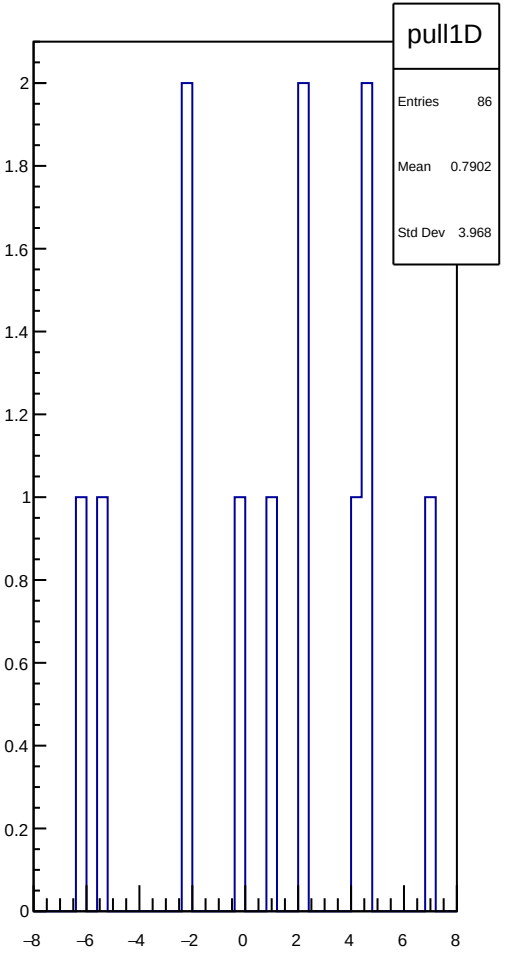

yield_bpm4eY_rms vs run
χ² / ndf 8.323e+04 / 85
p0 0.009624 ± 7.674e−06
0.1
0.08
0.06
0.04
0.02

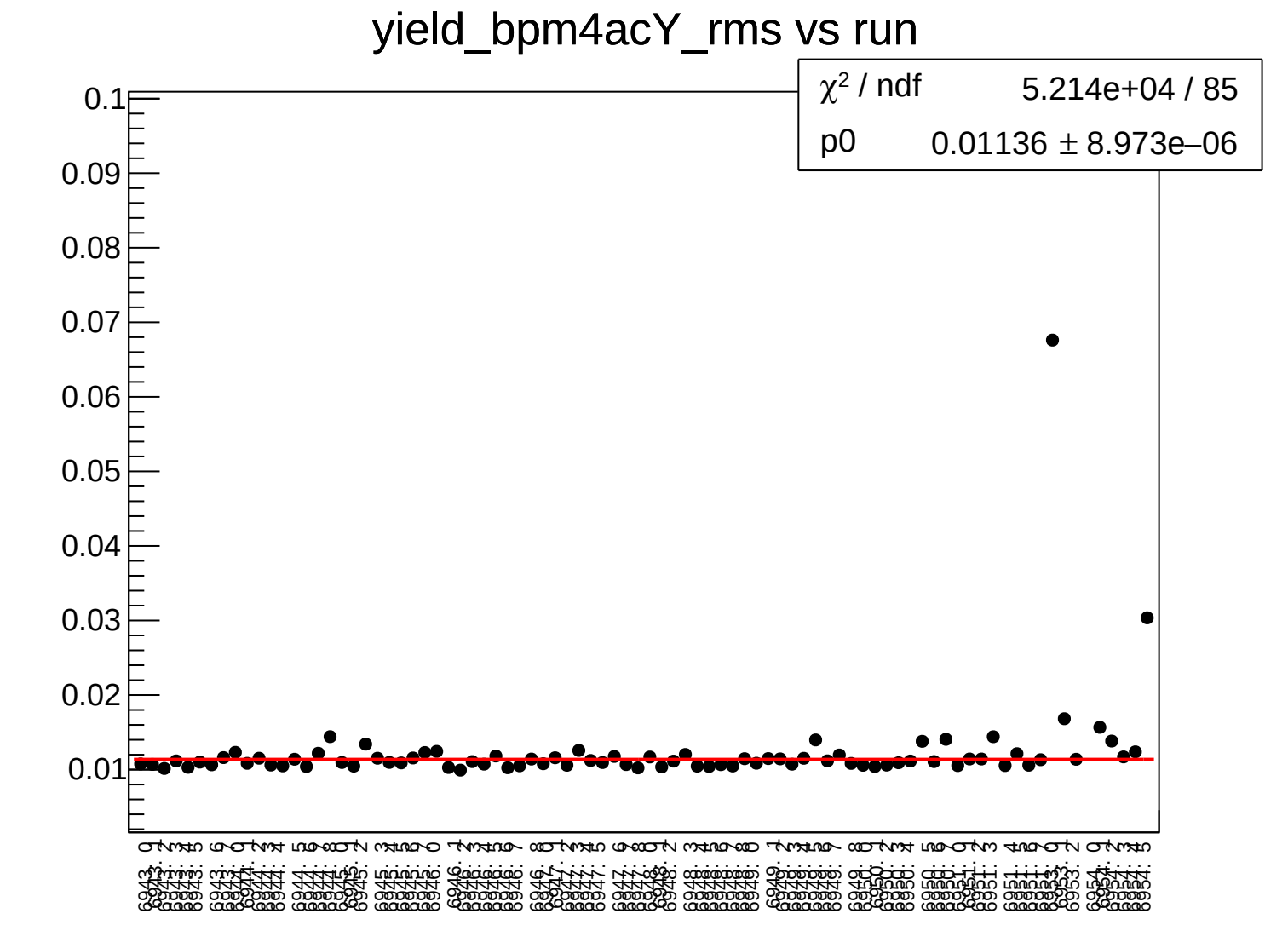

yield_bpm4acX_mean vs run
χ² / ndf 2.484e+05 / 85
p0 −1.098 ± 2.482e−05
−1.05
−1.06
−1.07
−1.08
−1.09
−1.1
−1.11
−1.12
−1.13
pull
Entries 86
Mean 71.89
Std Dev 14.42
100
50
0
−50
−100

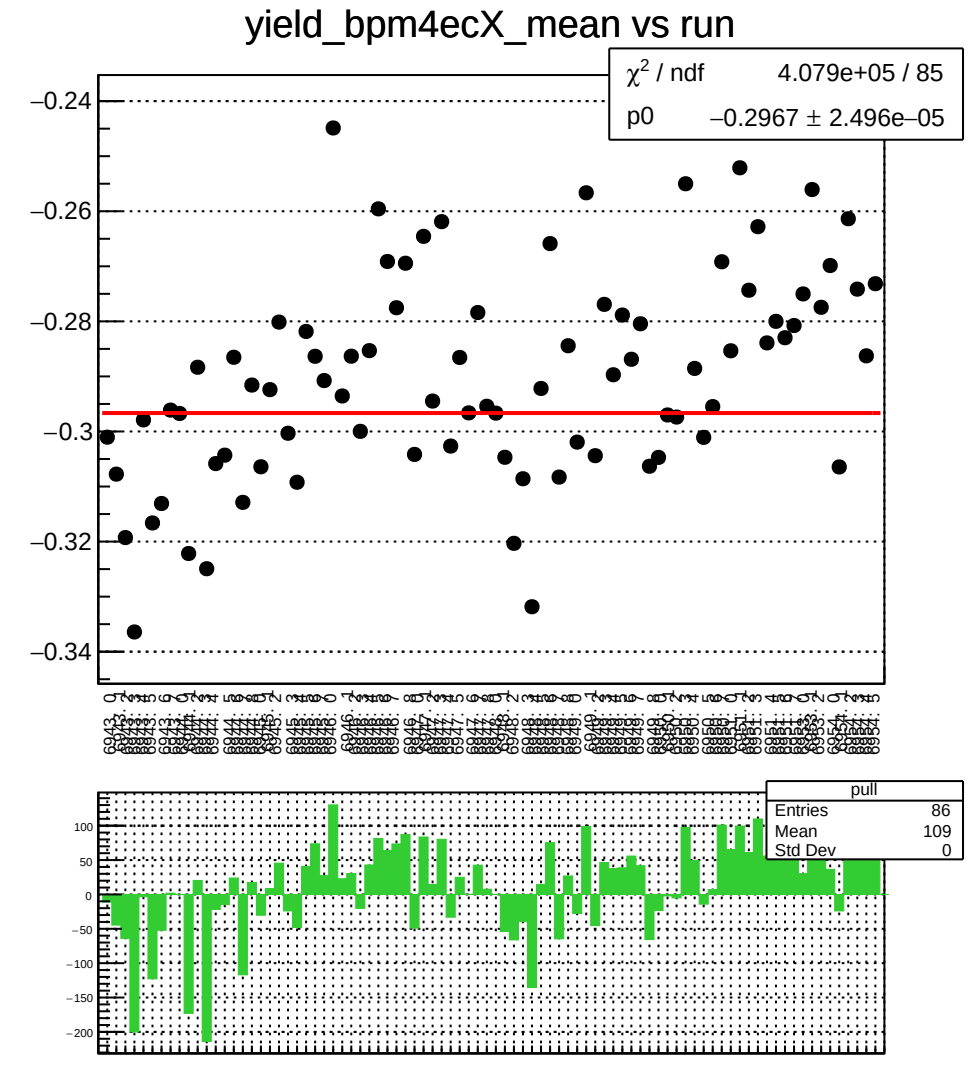

pull1D
Entries 86
Mean 0.8641
Std Dev 3.619
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

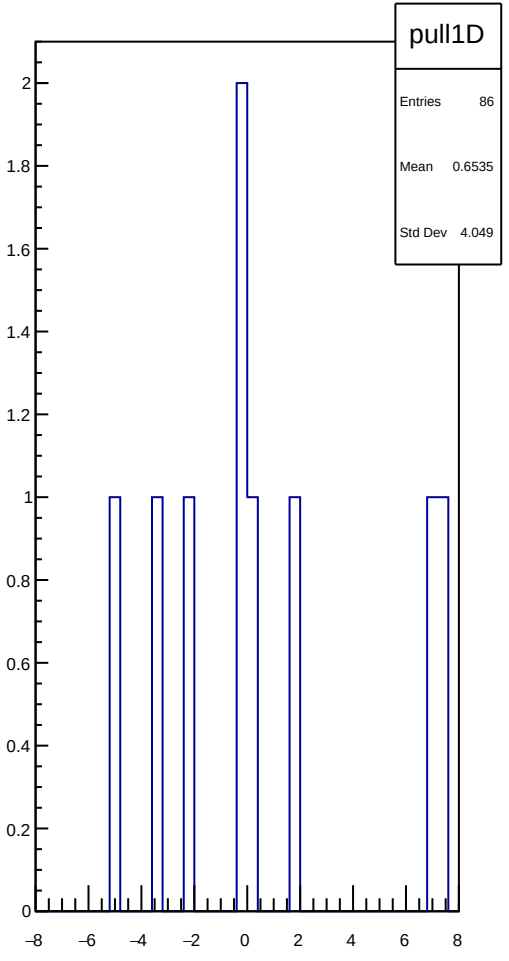

yield_bpm4acX_rms vs run
χ² / ndf 2.735e+05 / 85
p0 0.02063 ± 1.755e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

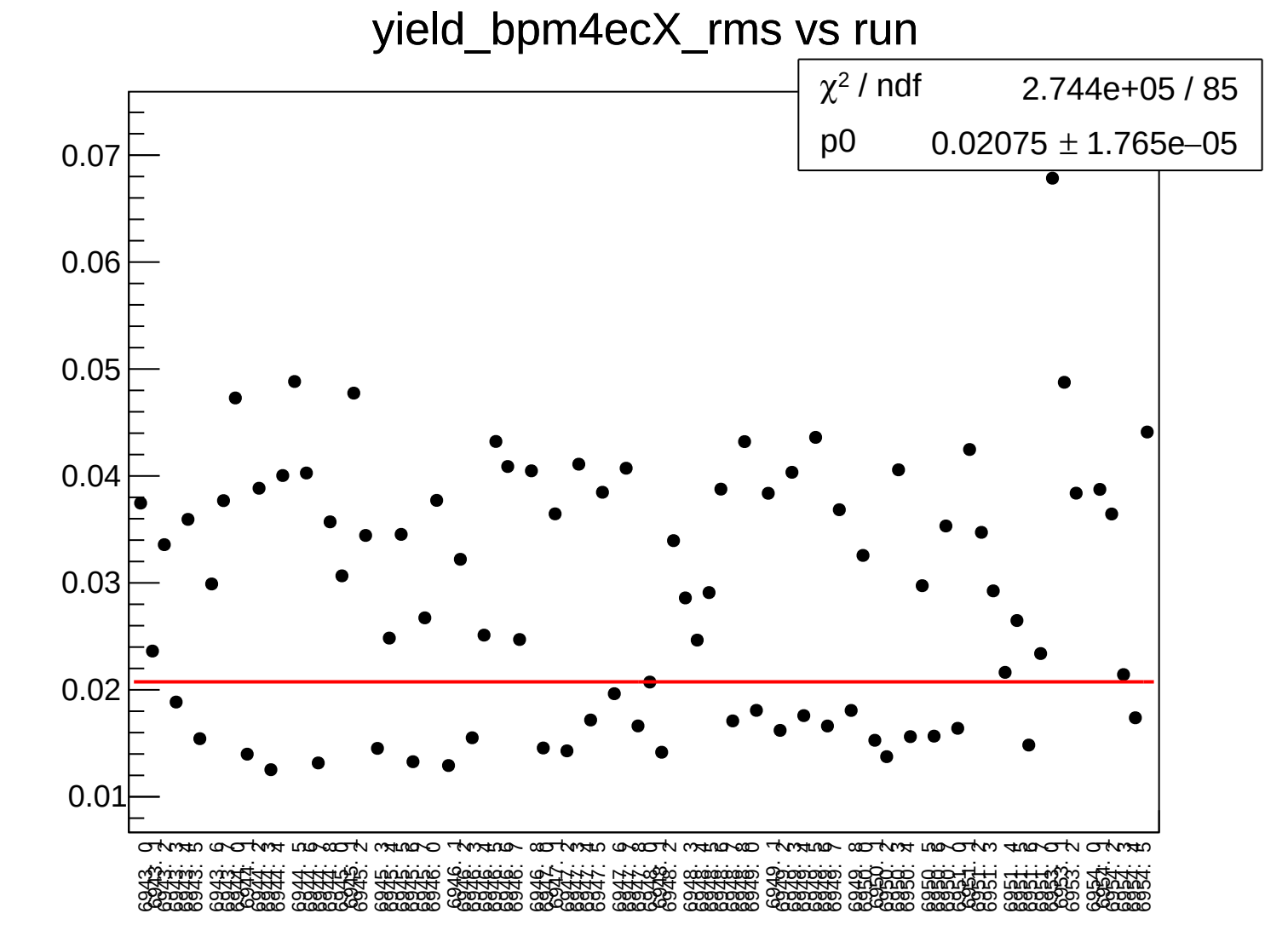

yield_bpm4acY_mean vs run
χ² / ndf 9.515e+04 / 85
p0 0.6367 ± 1.269e−05
pull
Entries 86
Mean −51.09
Std Dev 0

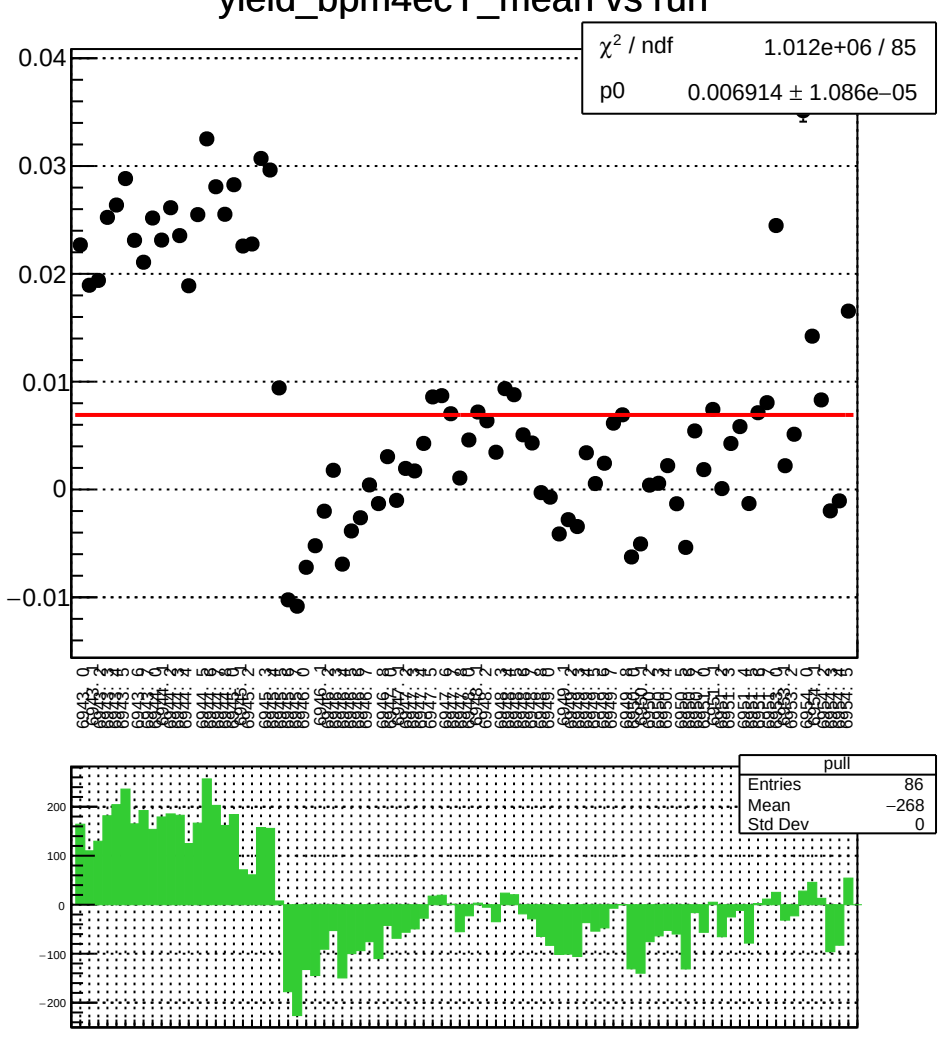

pull1D
Entries 86
Mean 0.7902
Std Dev 3.968

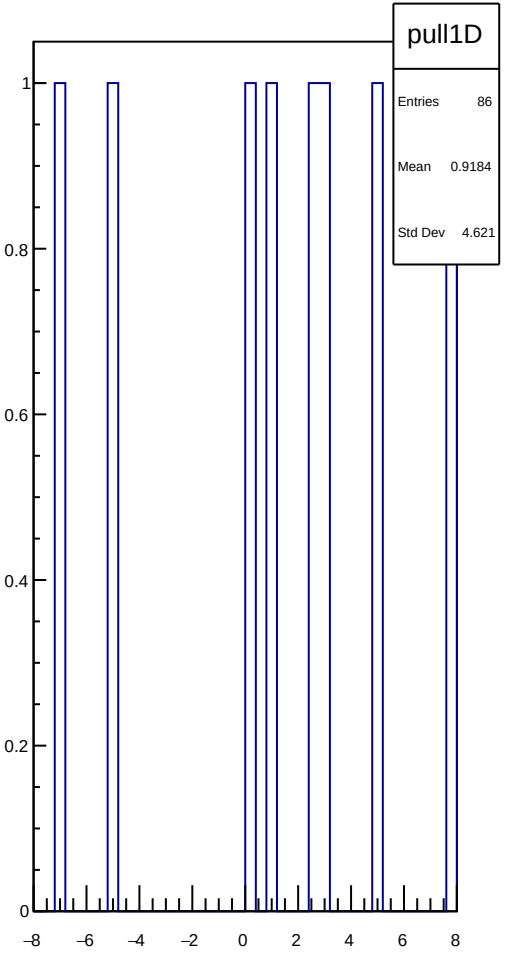

yield_bpm4acY_rms vs run
χ² / ndf 5.214e+04 / 85
p0 0.01136 ± 8.973e–06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

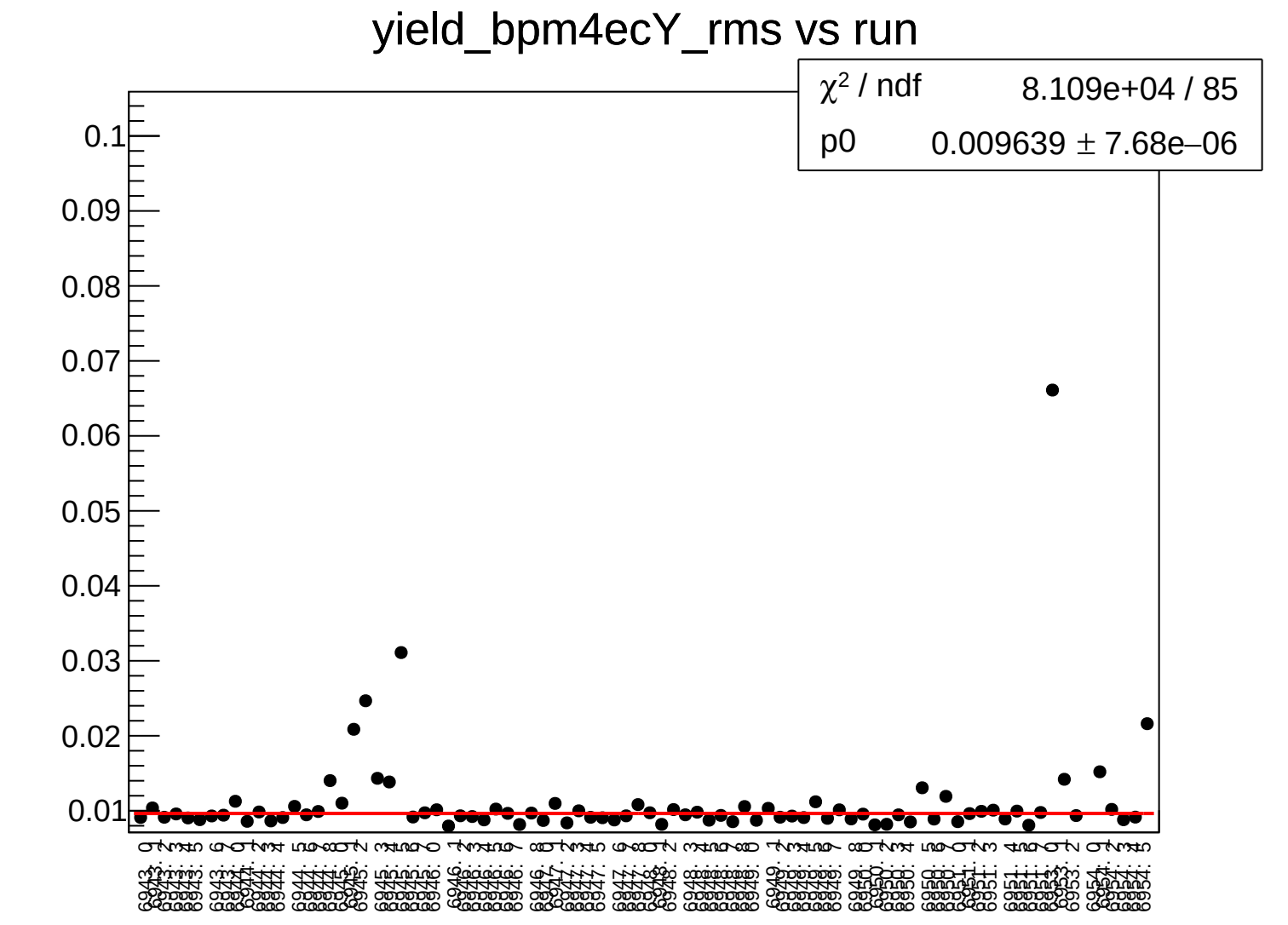

yield_bpm4ecX_mean vs run
χ² / ndf 4.079e+05 / 85
p0 −0.2967 ± 2.496e−05
−0.24
−0.26
−0.28
−0.3
−0.32
−0.34
pull
Entries 86
Mean 109
Std Dev 0
100
50
0
−50
−100
−150
−200

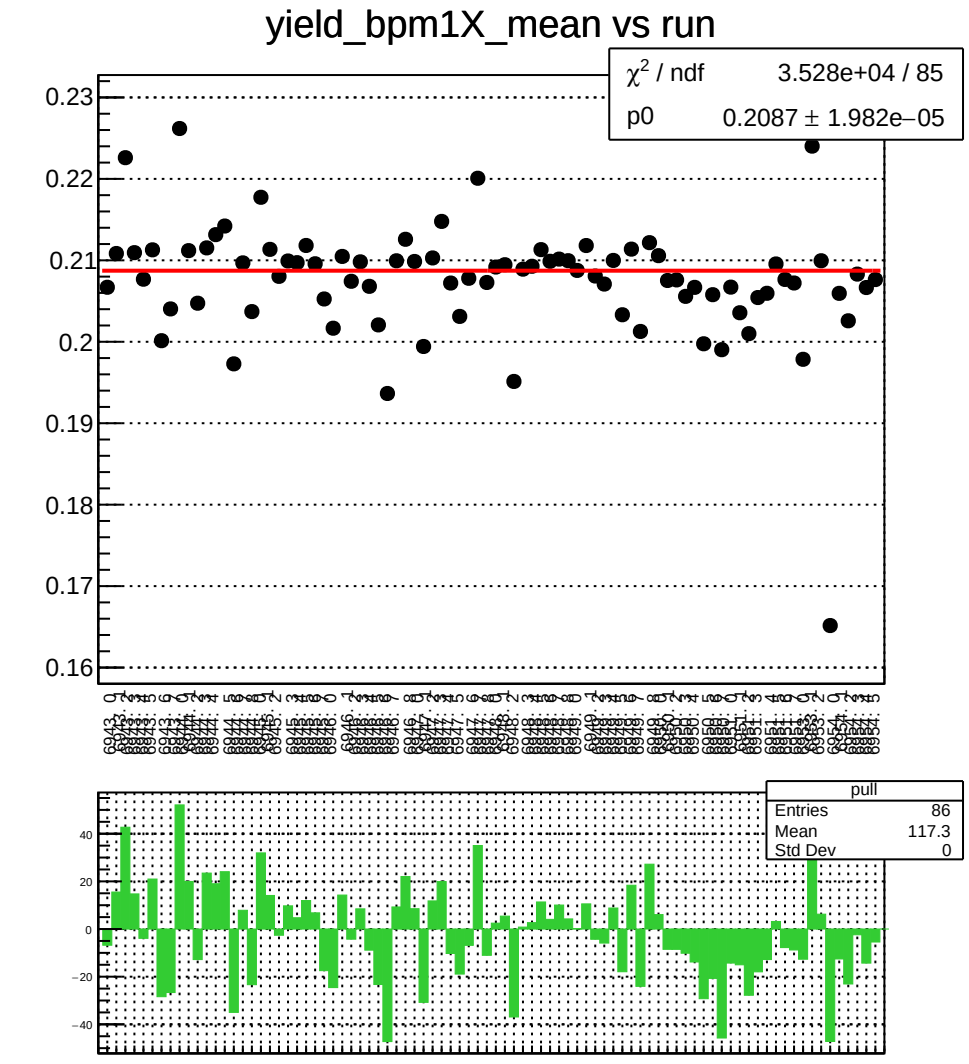

pull1D
Entries 86
Mean 0.6535
Std Dev 4.049
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

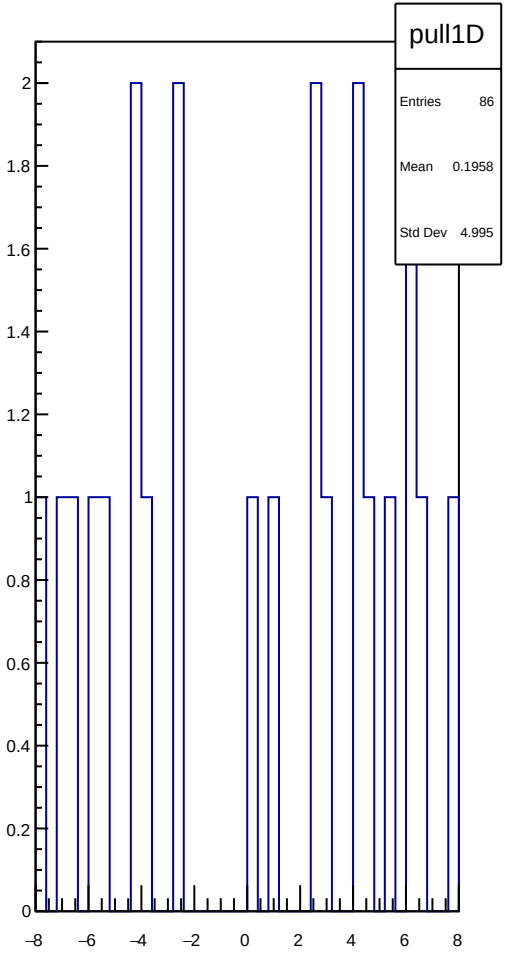

yield_bpm4ecX_rms vs run
χ² / ndf 2.744e+05 / 85
p0 0.02075 ± 1.765e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

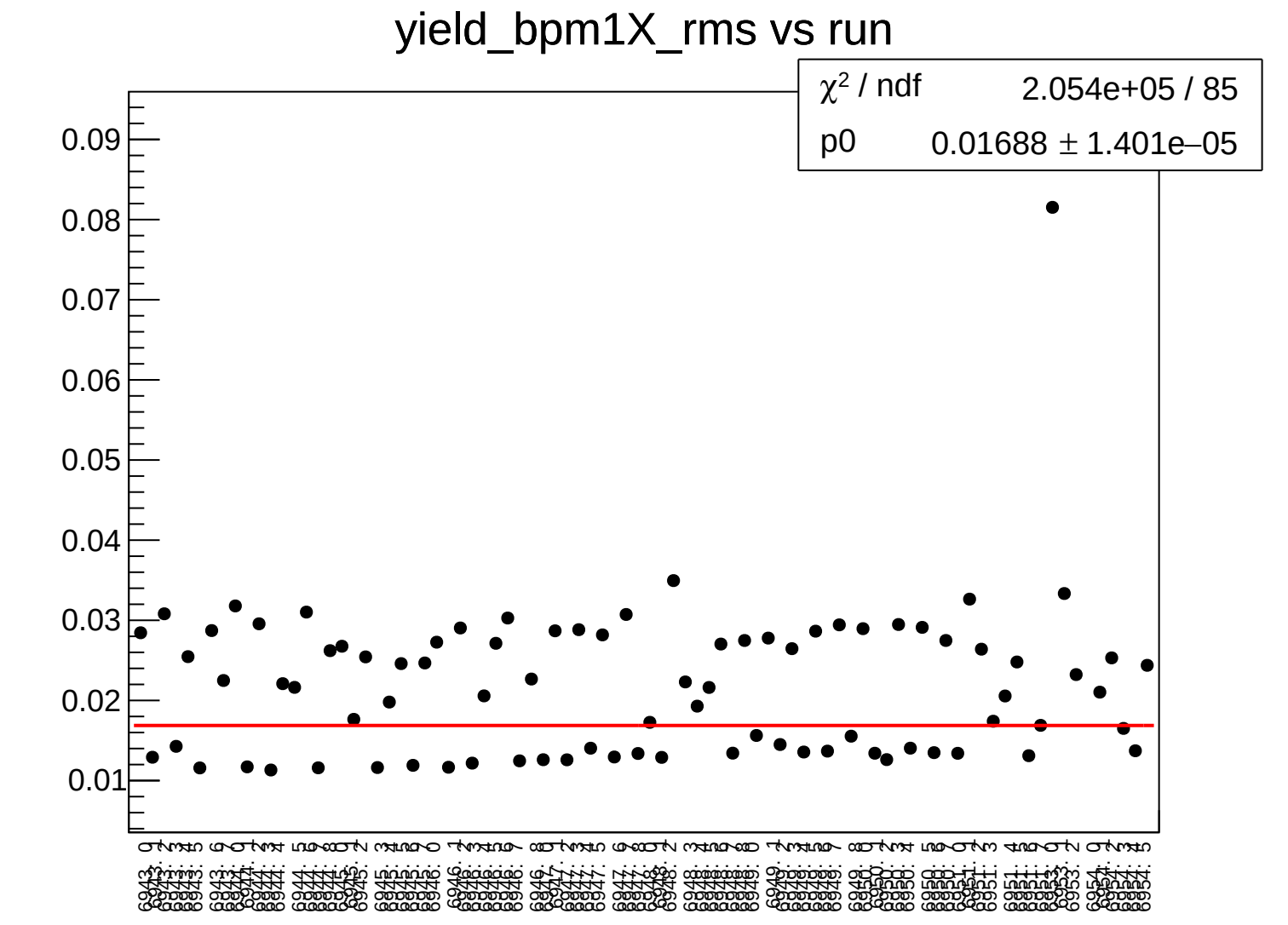

yield_bpm4ecY_mean vs run
χ² / ndf 1.012e+06 / 85
p0 0.006914 ± 1.086e−05
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 86
Mean −268
Std Dev 0
200
100
0
−100
−200

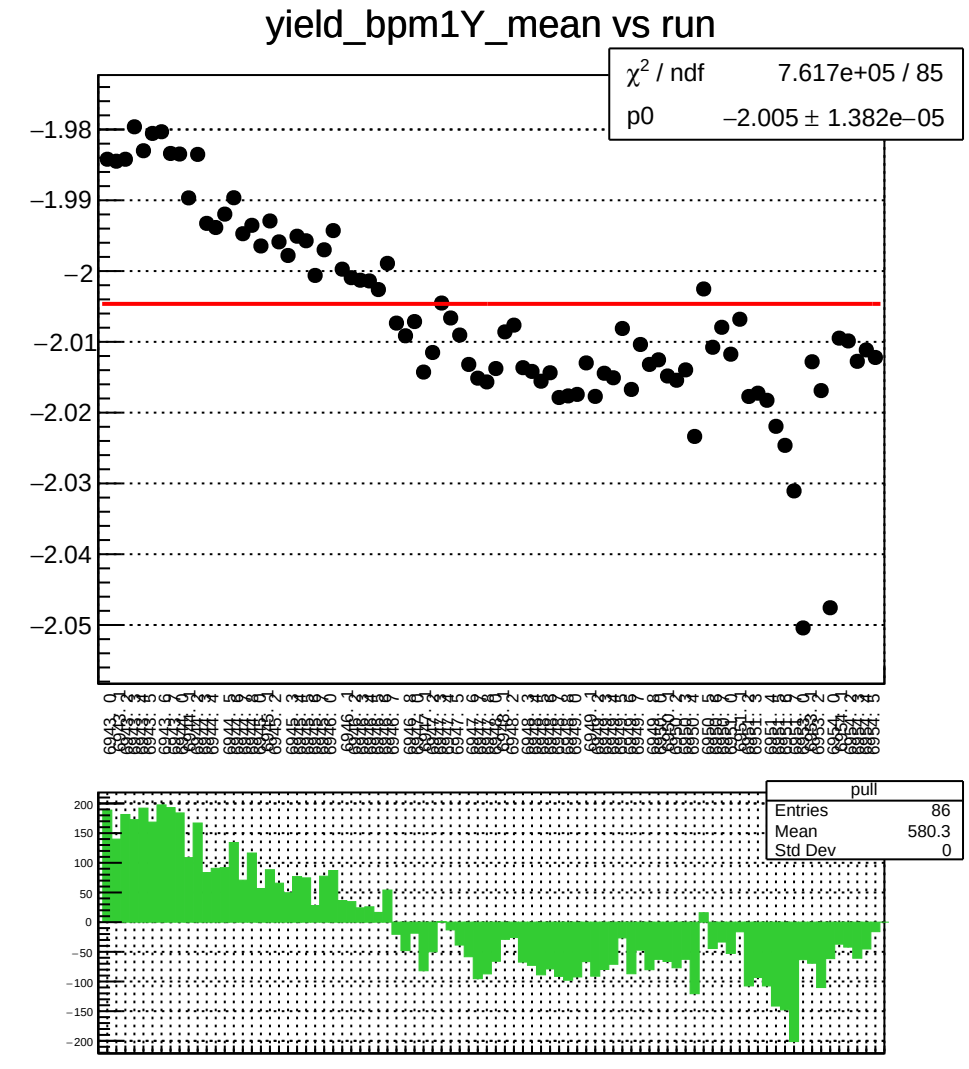

pull1D
Entries 86
Mean 0.9184
Std Dev 4.621
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

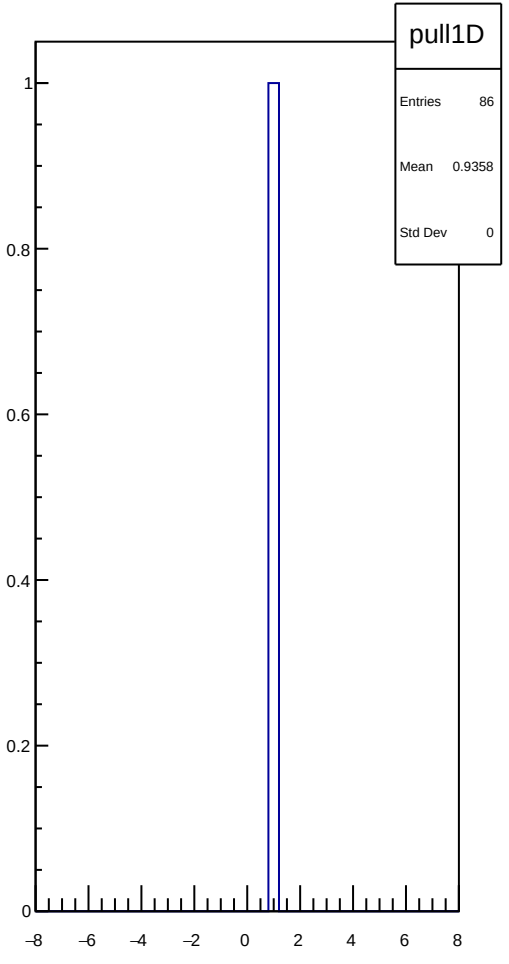

yield_bpm4ecY_rms vs run
χ² / ndf 8.109e+04 / 85
p0 0.009639 ± 7.68e–06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

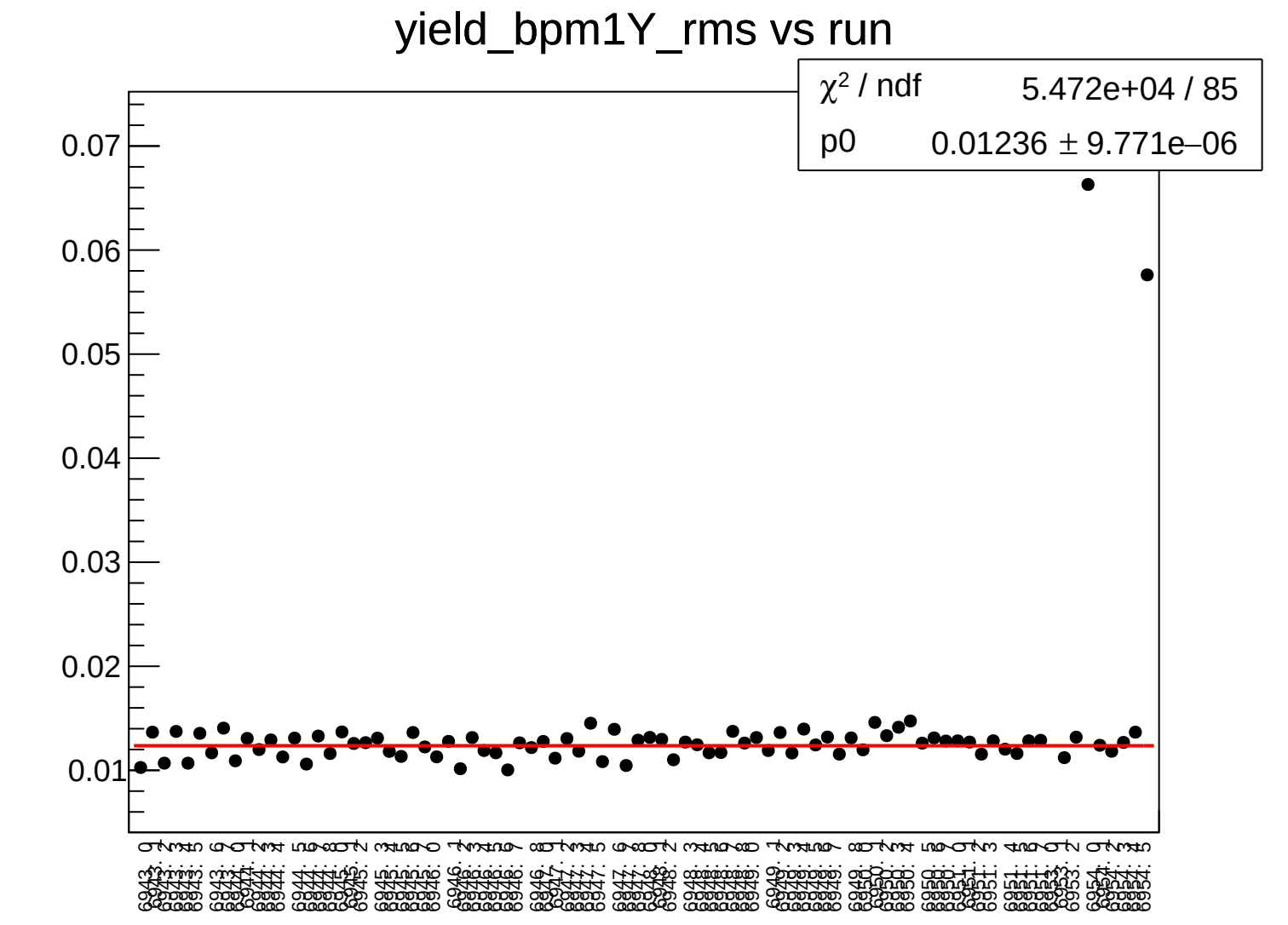

yield_bpm1X_mean vs run
χ² / ndf 3.528e+04 / 85
p0 0.2087 ± 1.982e−05
0.23
0.22
0.21
0.2
0.19
0.18
0.17
0.16
pull
Entries 86
Mean 117.3
Std Dev 0
40
20
0
−20
−40

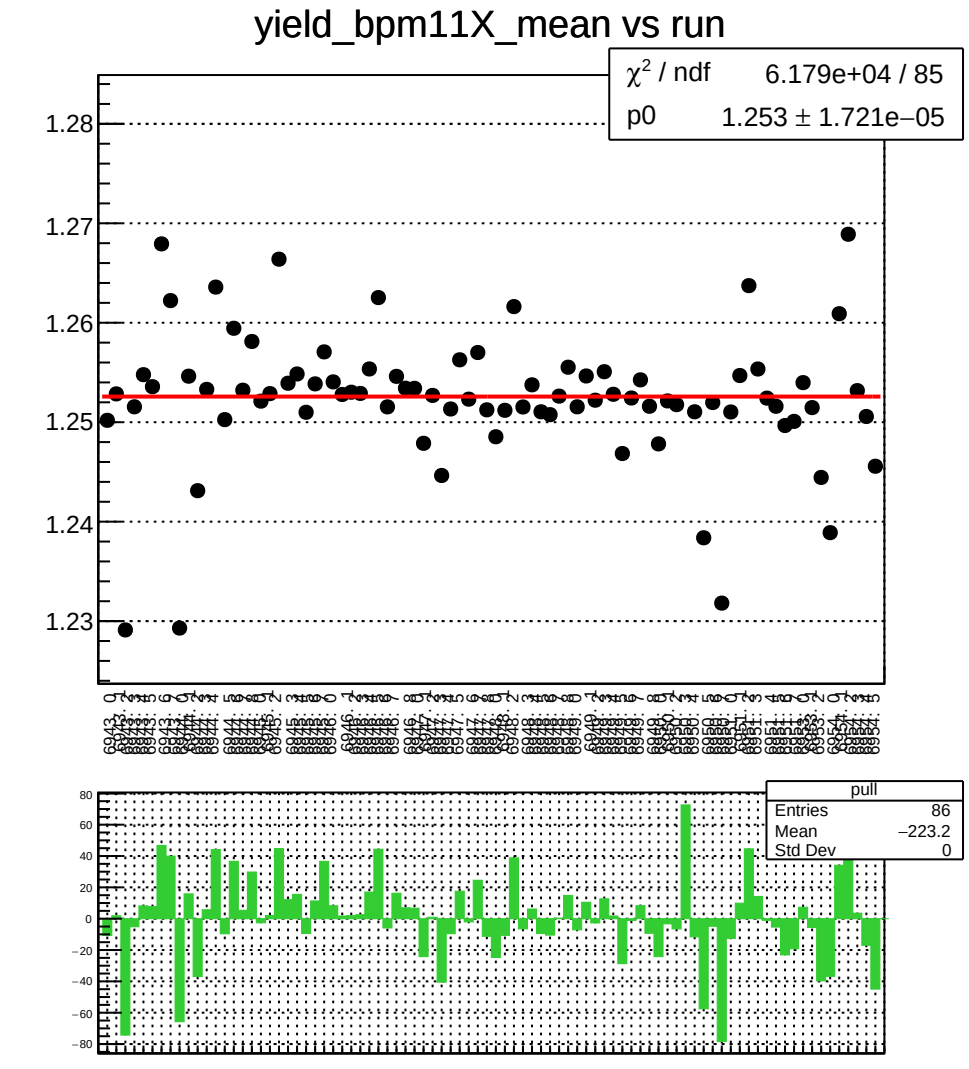

pull1D
Entries 86
Mean 0.1958
Std Dev 4.995
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

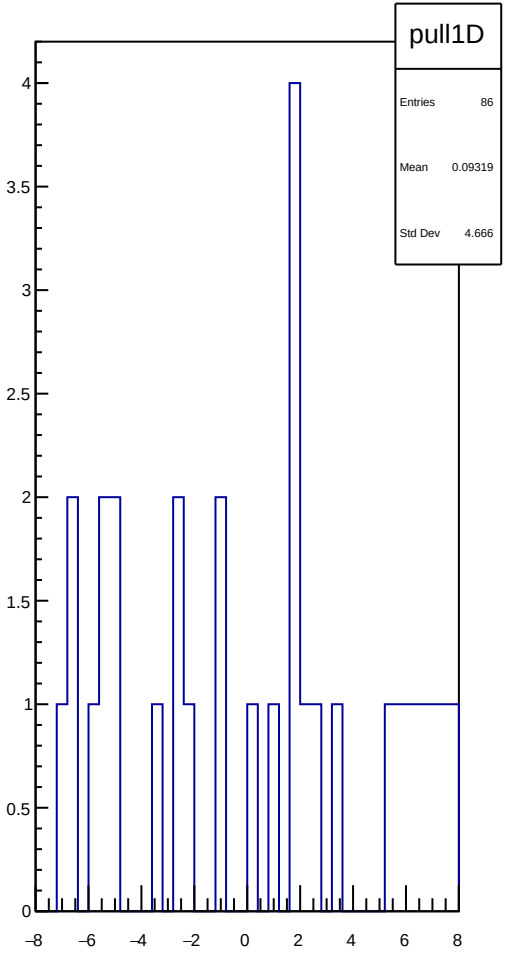

yield_bpm1X_rms vs run
χ² / ndf 2.054e+05 / 85
p0 0.01688 ± 1.401e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

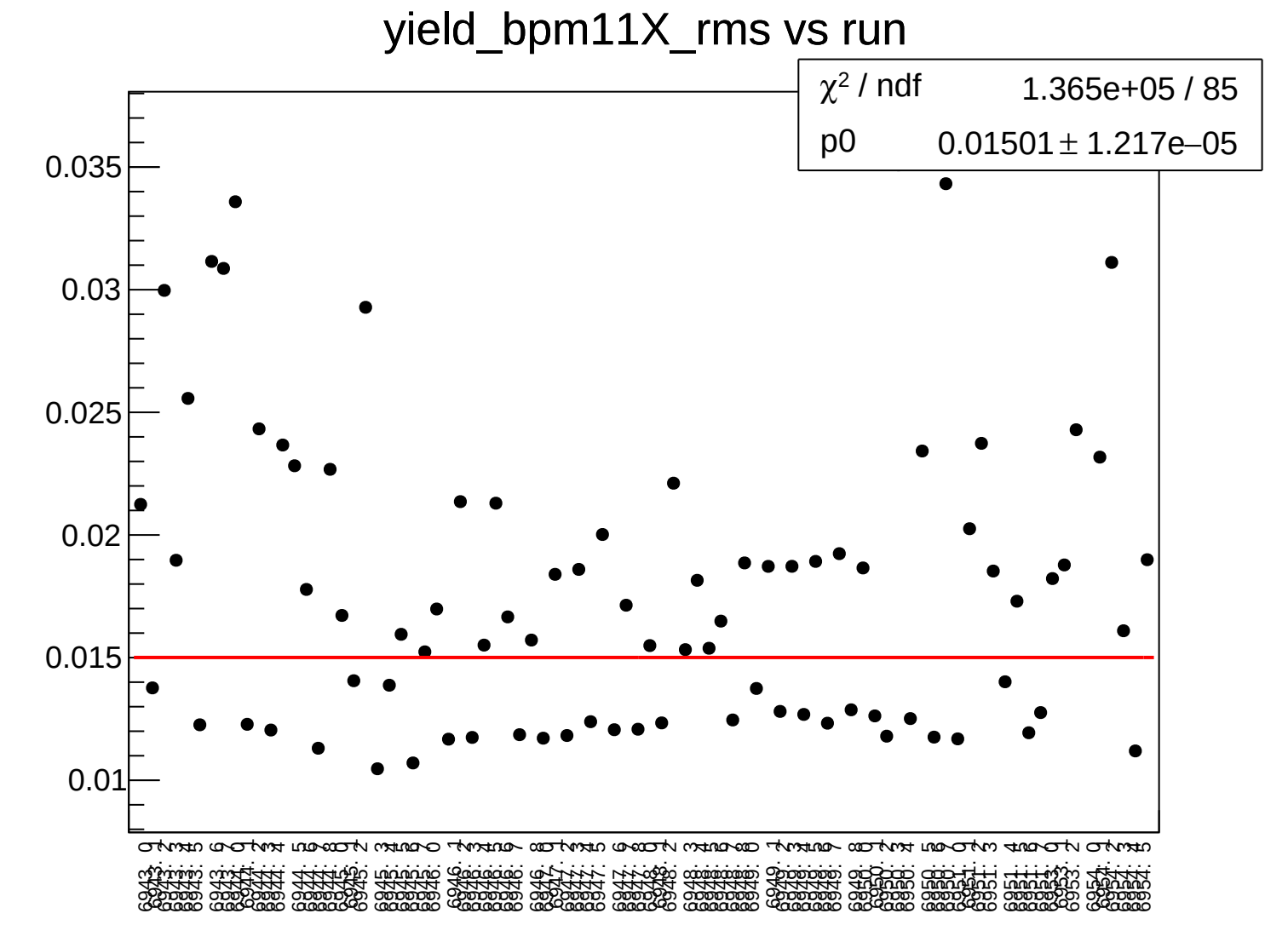

yield_bpm1Y_mean vs run
χ² / ndf 7.617e+05 / 85
p0 −2.005 ± 1.382e−05
−1.98
−1.99
−2
−2.01
−2.02
−2.03
−2.04
−2.05
pull
Entries 86
Mean 580.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

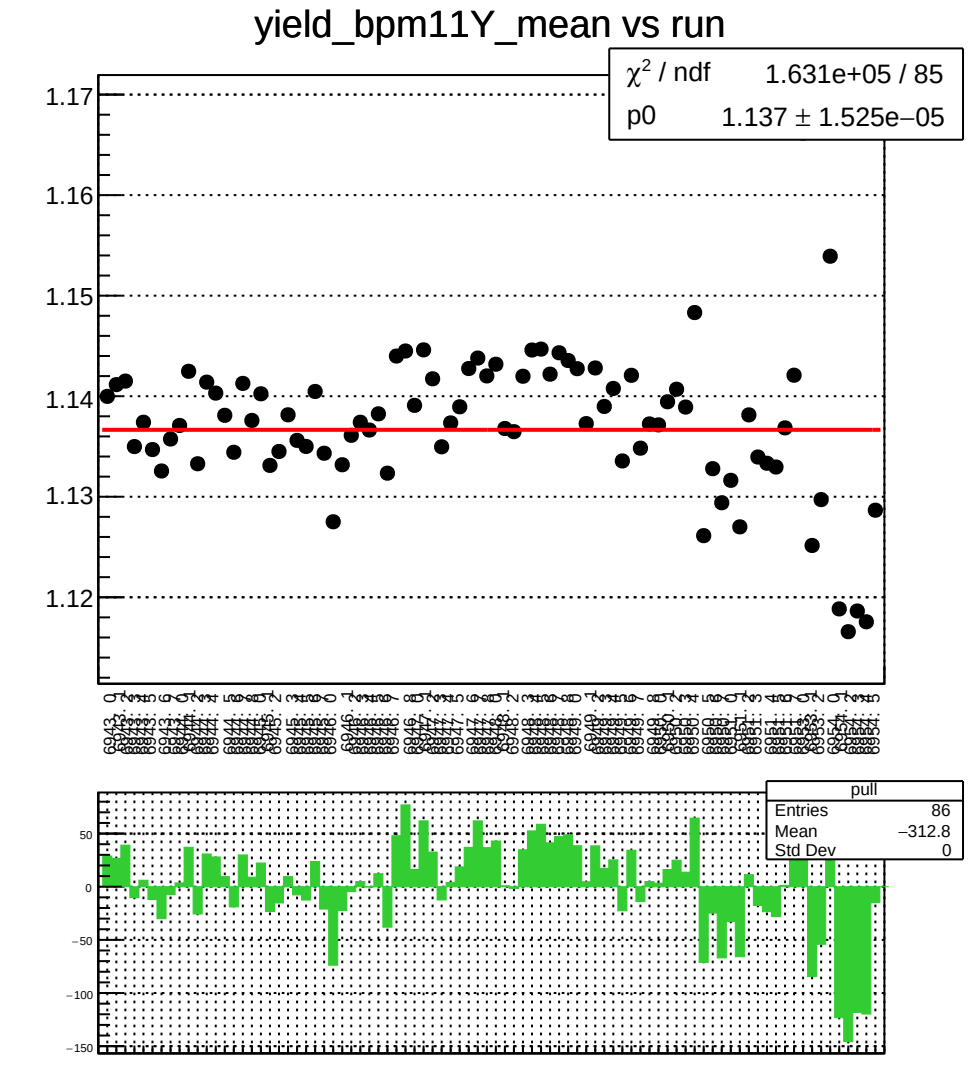

pull1D
Entries 86
Mean 0.9358
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

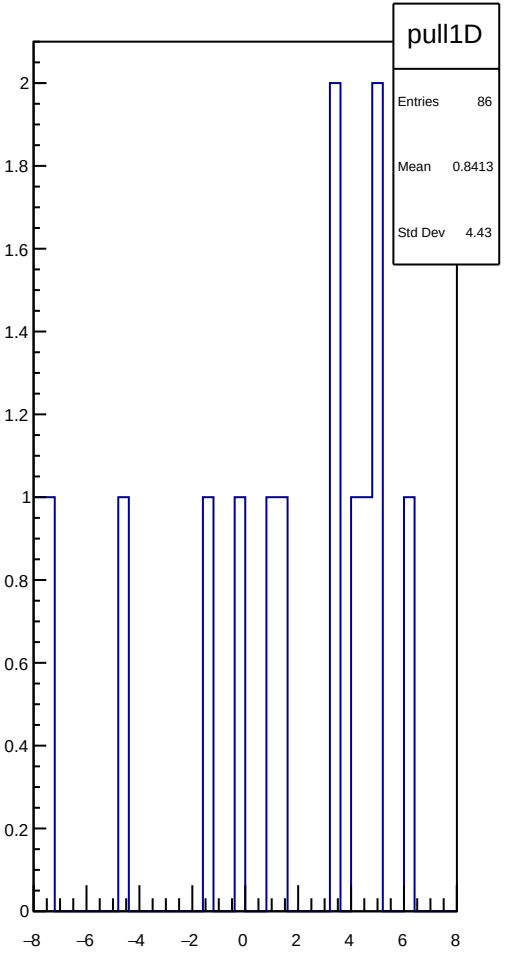

yield_bpm1Y_rms vs run
χ² / ndf 5.472e+04 / 85
p0 0.01236 ± 9.771e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

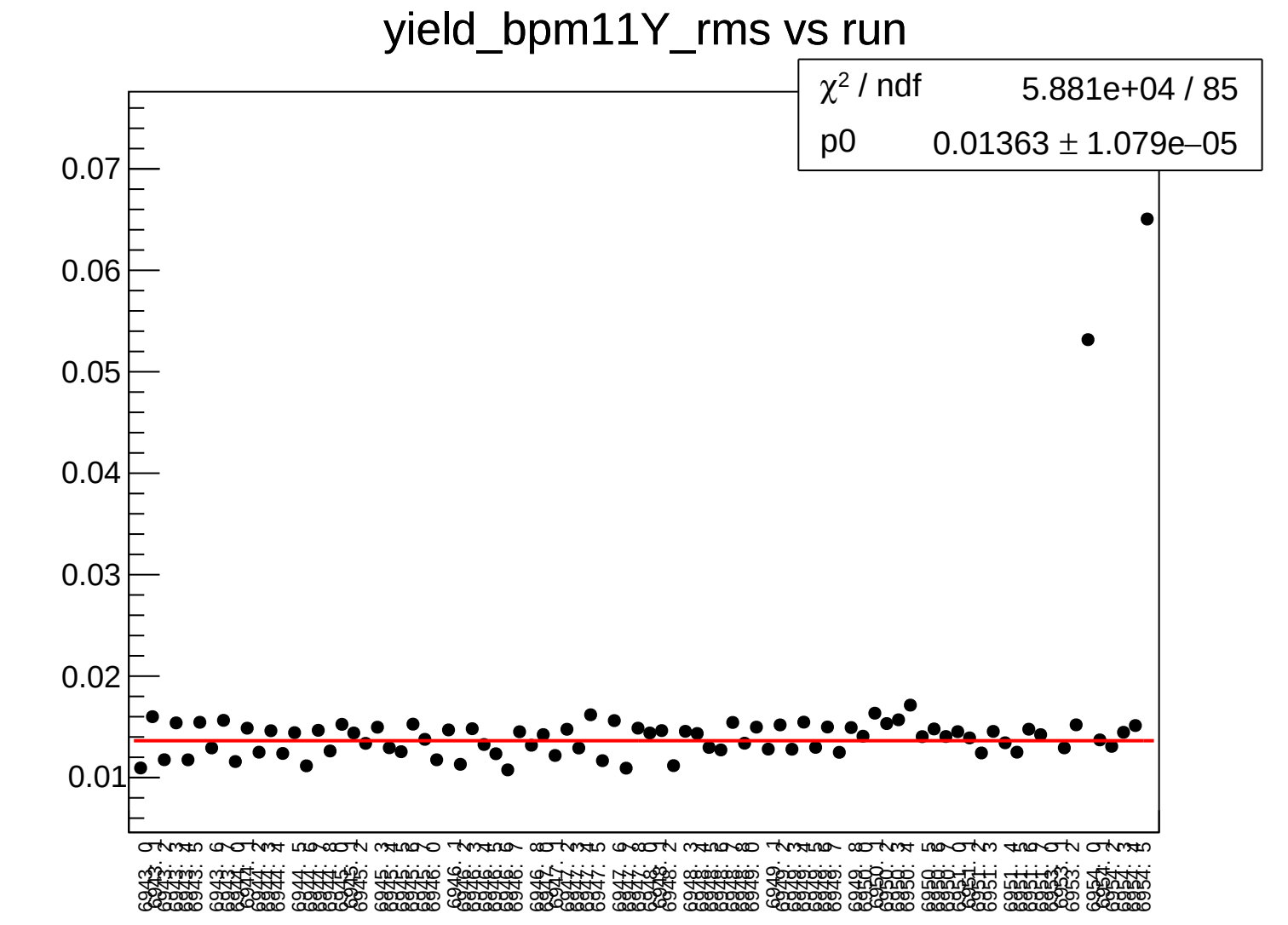

yield_bpm11X_mean vs run
χ² / ndf 6.179e+04 / 85
p0 1.253 ± 1.721e−05
1.28
1.27
1.26
1.25
1.24
1.23
pull
Entries 86
Mean −223.2
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

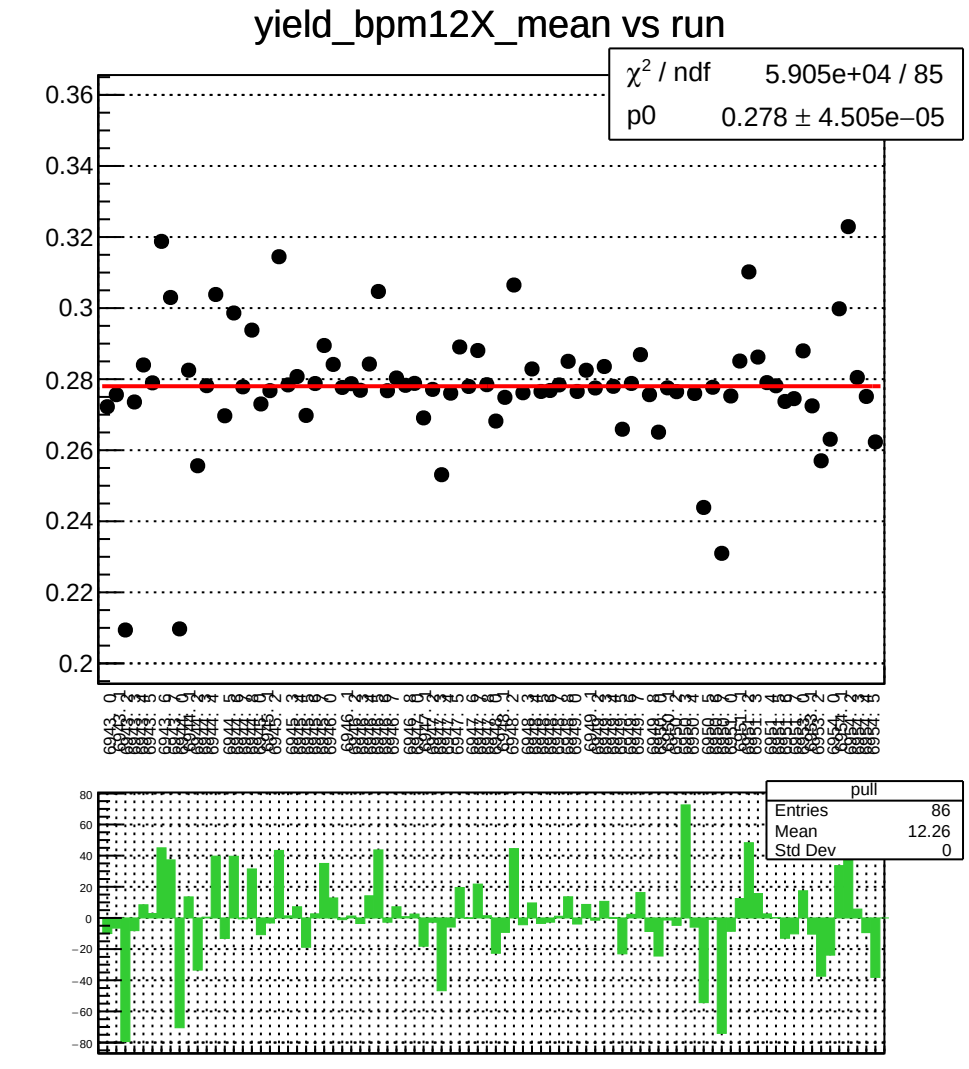

pull1D
Entries 86
Mean 0.09319
Std Dev 4.666
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

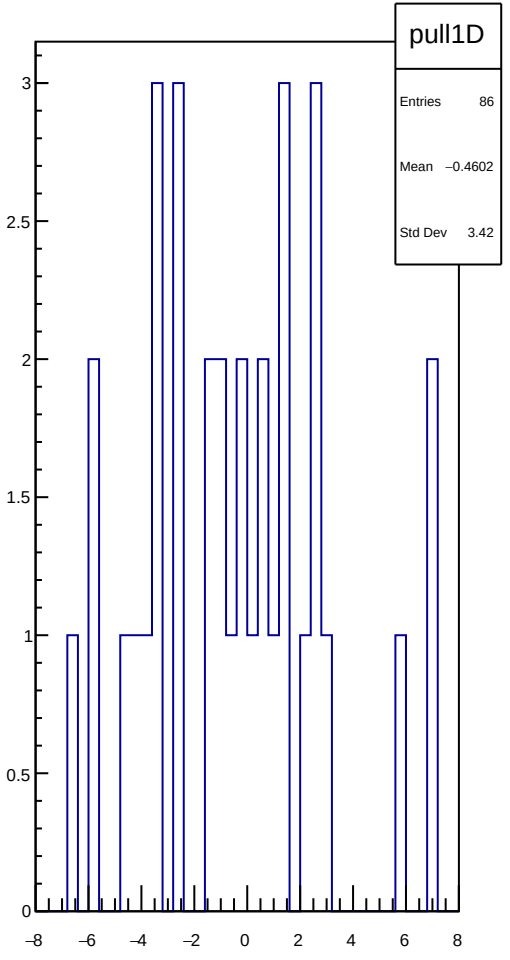

yield_bpm11X_rms vs run
χ² / ndf 1.365e+05 / 85
p0 0.01501 ± 1.217e–05
0.035
0.03
0.025
0.02
0.015
0.01

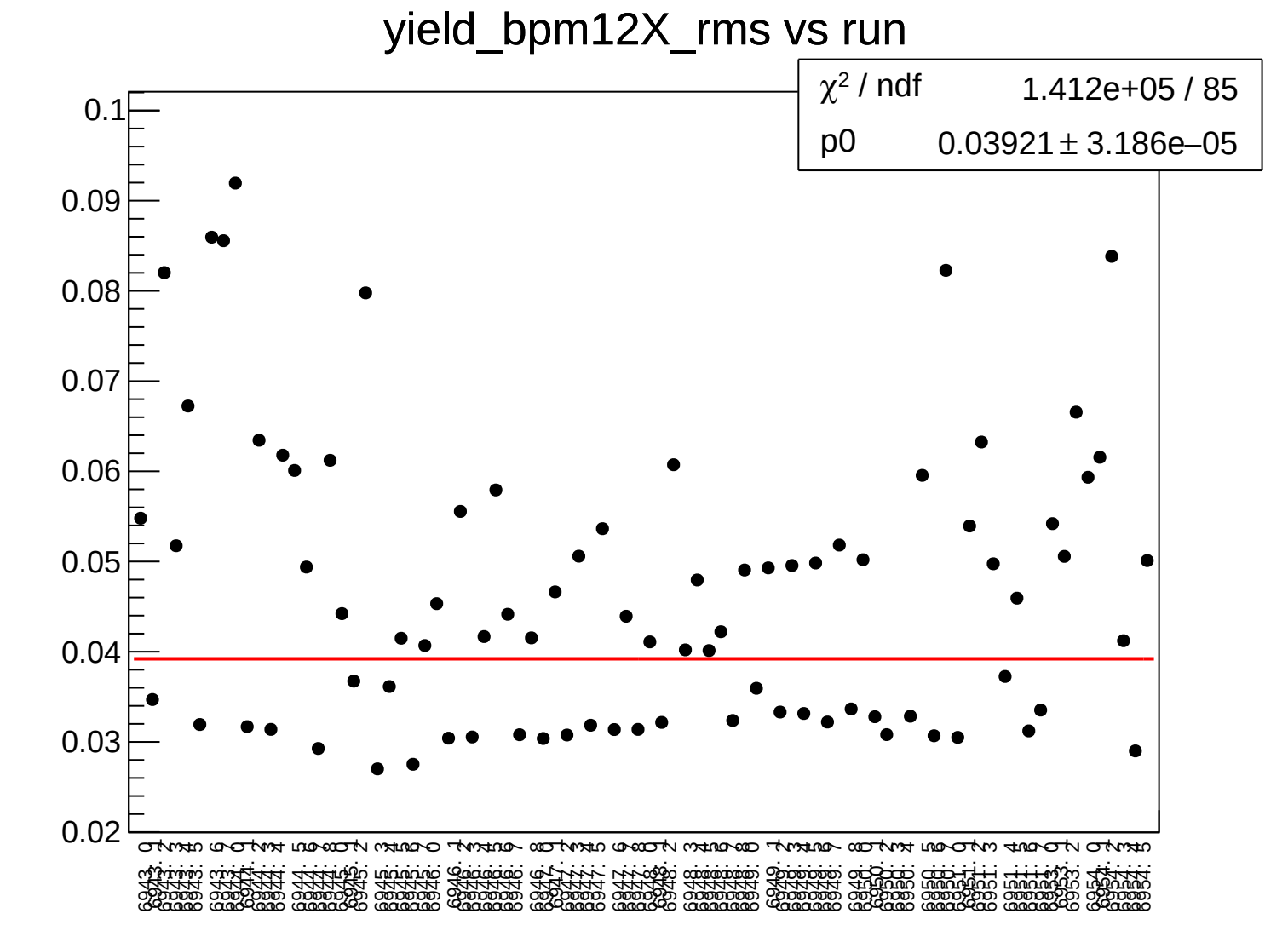

yield_bpm11Y_mean vs run
χ² / ndf 1.631e+05 / 85
p0 1.137 ± 1.525e−05
1.17
1.16
1.15
1.14
1.13
1.12
pull
Entries 86
Mean −312.8
Std Dev 0
50
0
−50
−100
−150

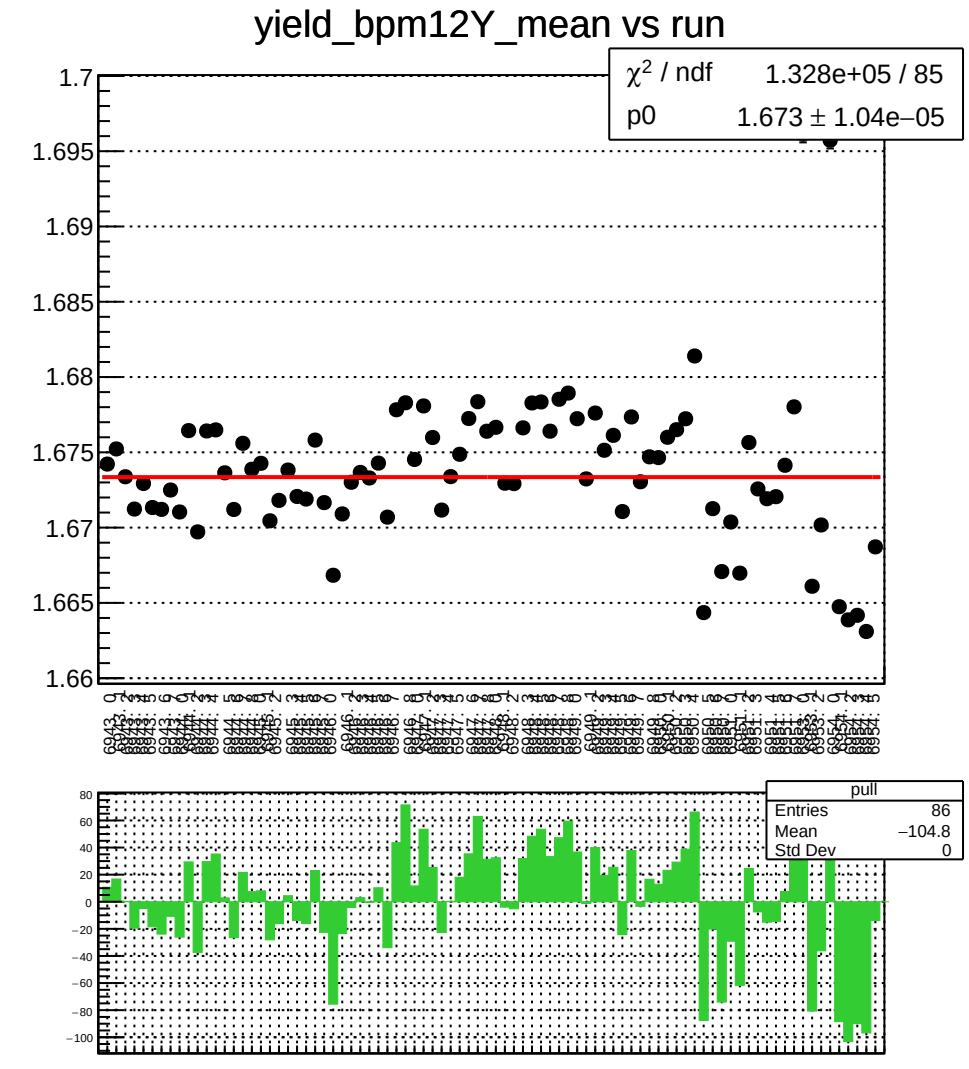

pull1D
Entries 86
Mean 0.8413
Std Dev 4.43
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

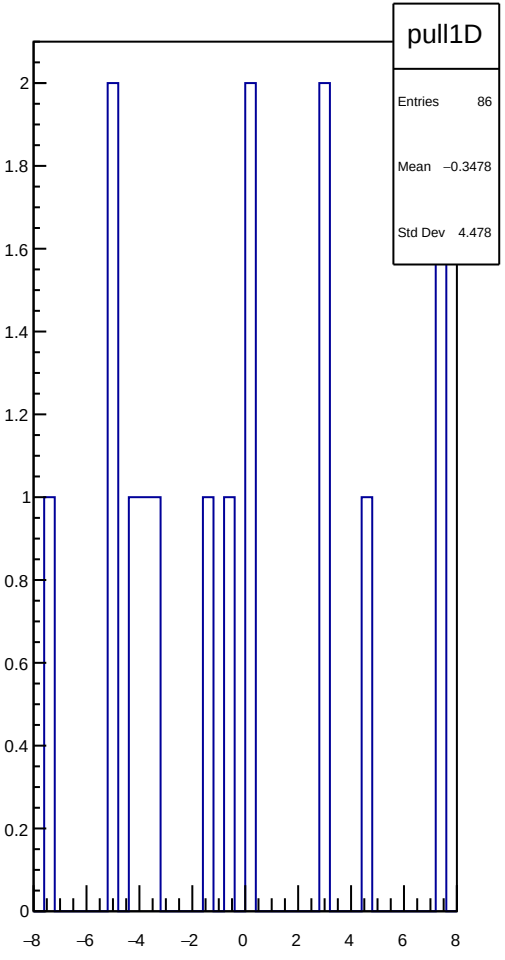

yield_bpm11Y_rms vs run
χ² / ndf 5.881e+04 / 85
p0 0.01363 ± 1.079e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

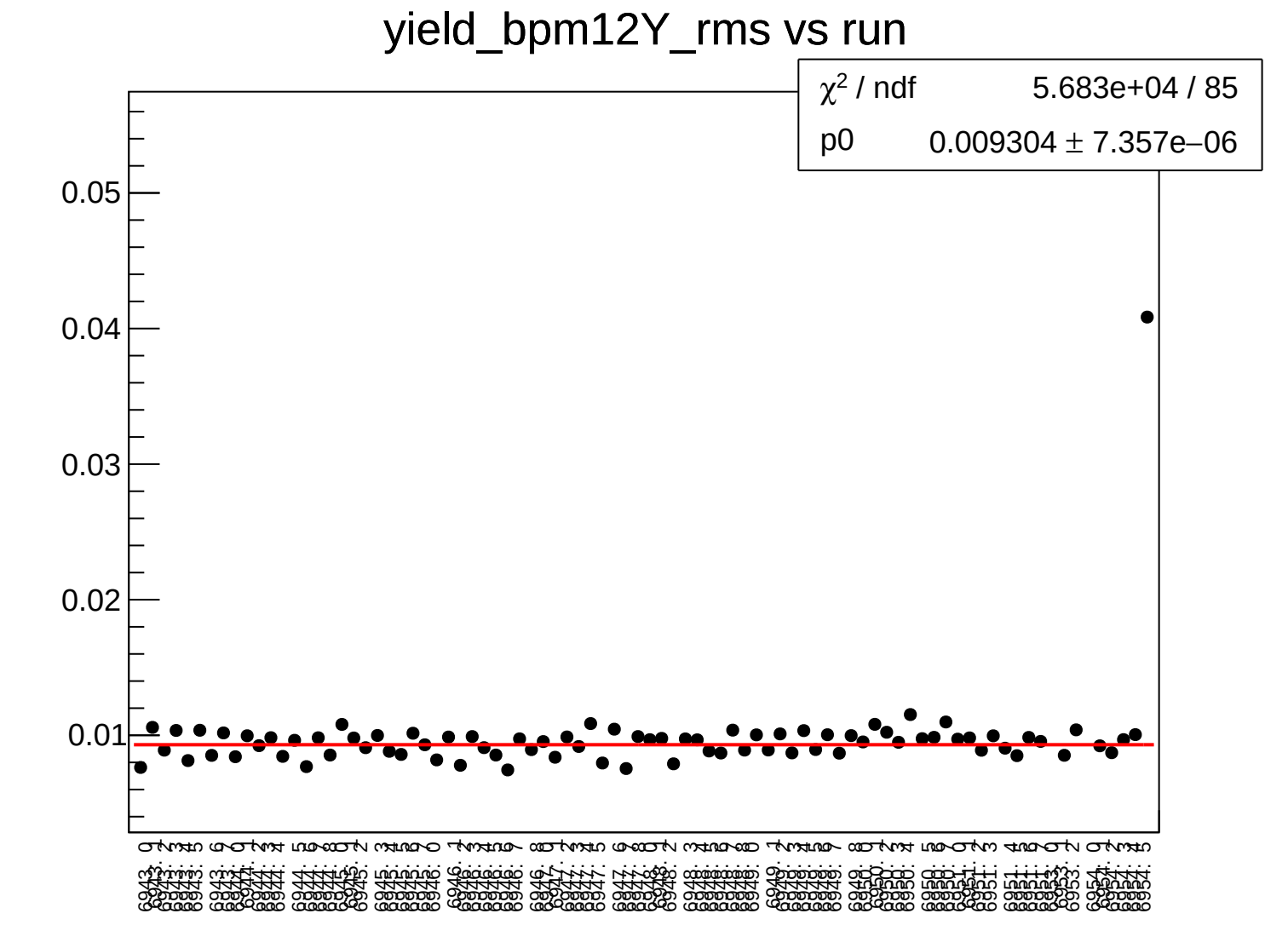

yield_bpm12X_mean vs run
χ² / ndf 5.905e+04 / 85
p0 0.278 ± 4.505e−05
pull
Entries 86
Mean 12.26
Std Dev 0

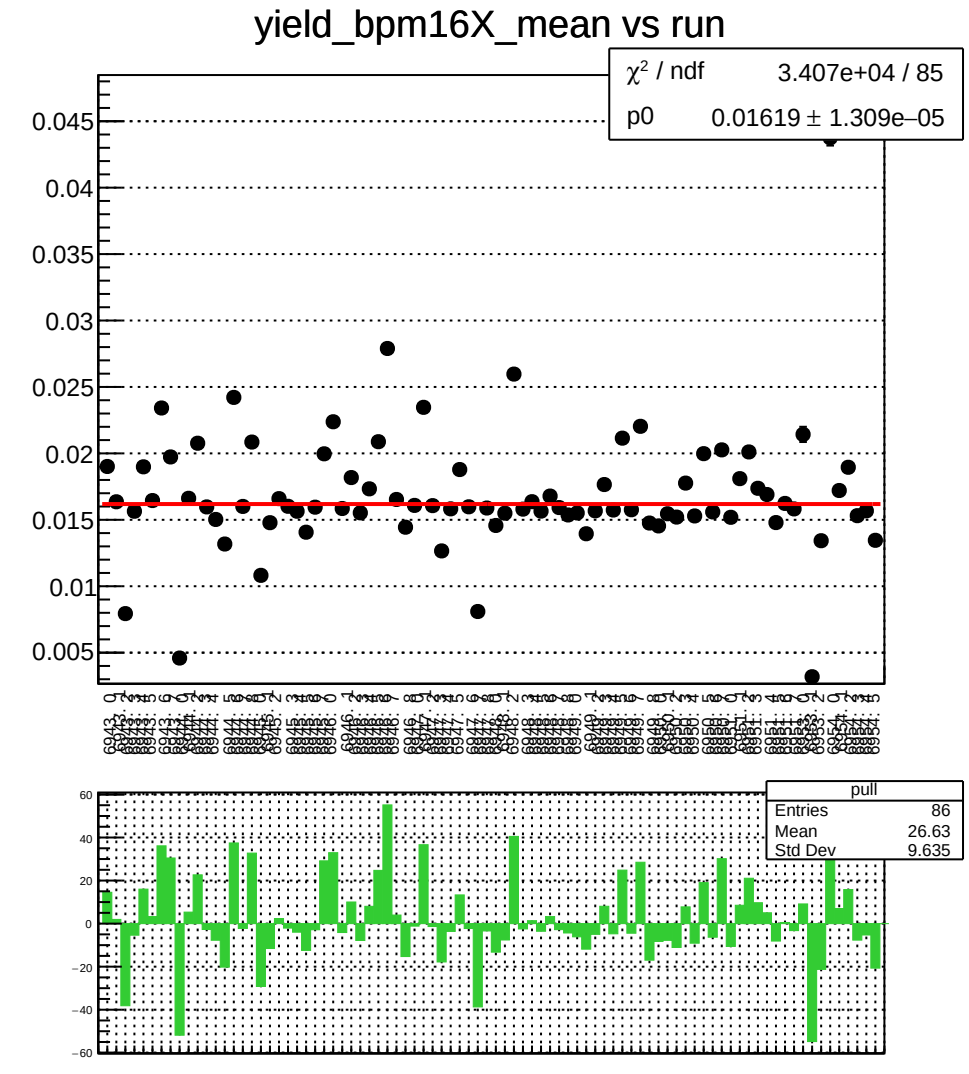

pull1D
Entries 86
Mean −0.4602
Std Dev 3.42

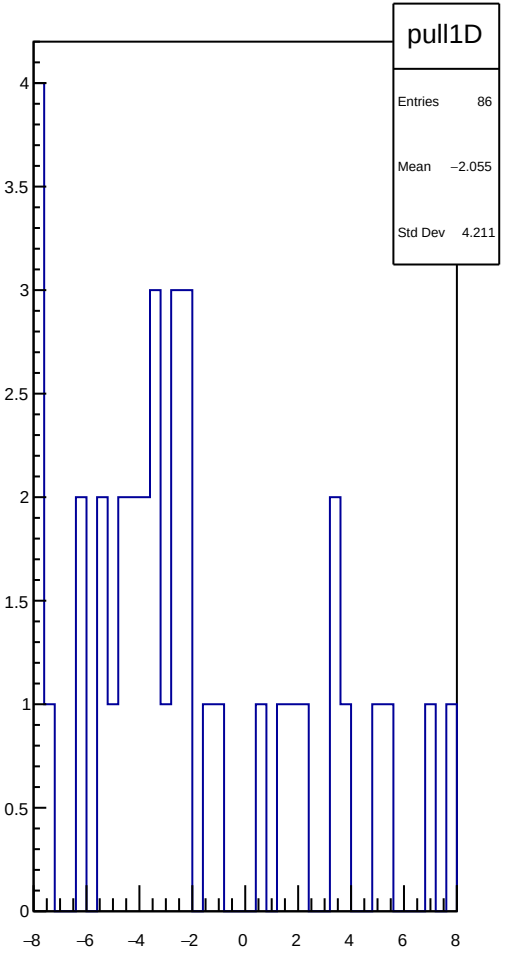

yield_bpm12X_rms vs run
χ² / ndf 1.412e+05 / 85
p0 0.03921 ± 3.186e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

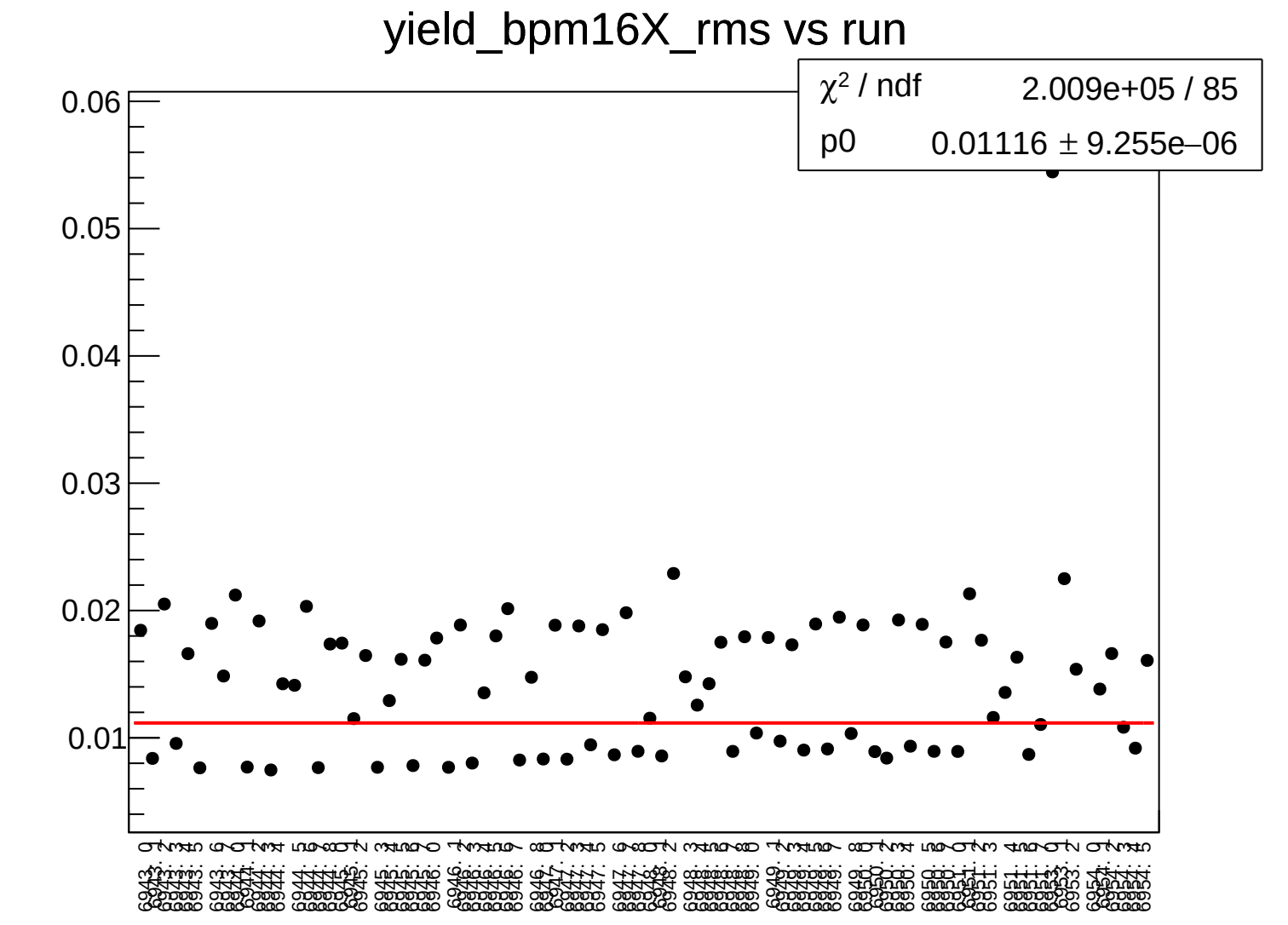

yield_bpm12Y_mean vs run
χ² / ndf 1.328e+05 / 85
p0 1.673 ± 1.04e−05
pull
Entries 86
Mean −104.8
Std Dev 0

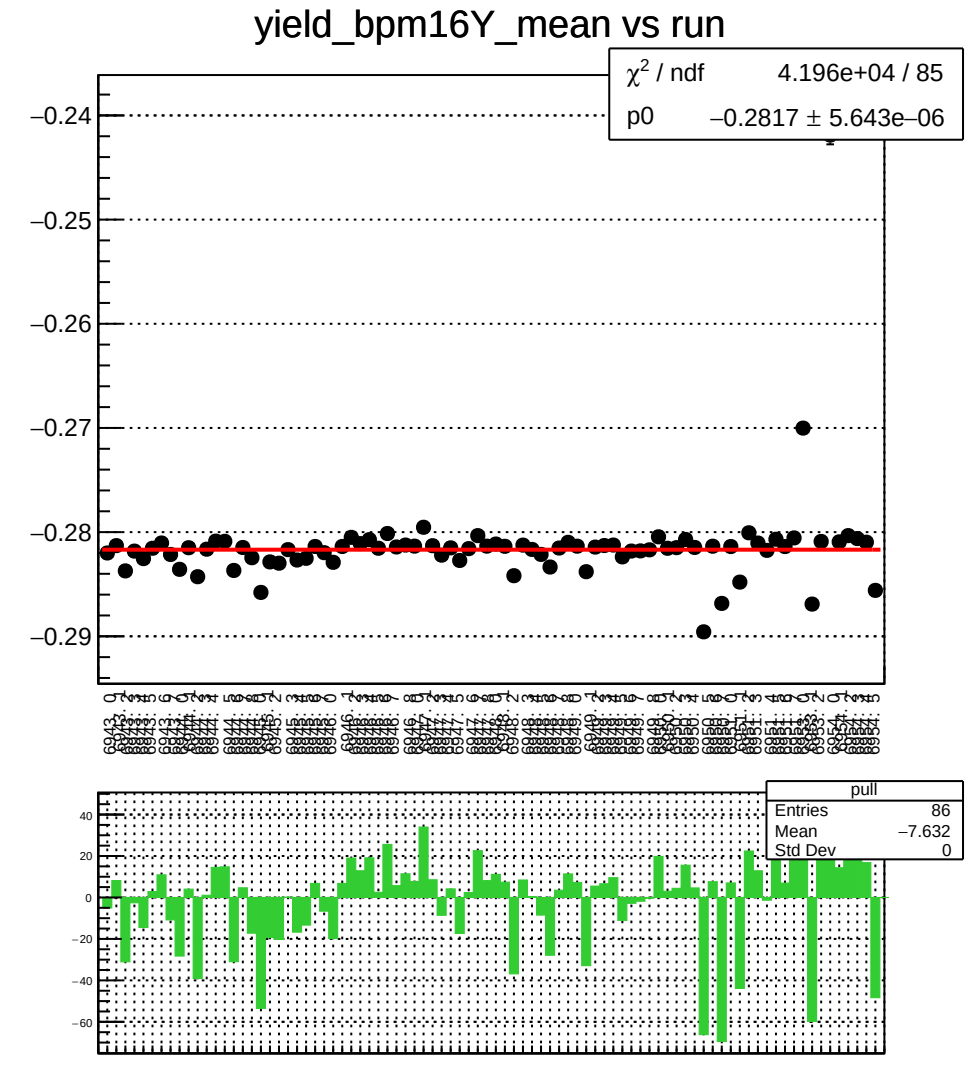

pull1D
Entries 86
Mean −0.3478
Std Dev 4.478

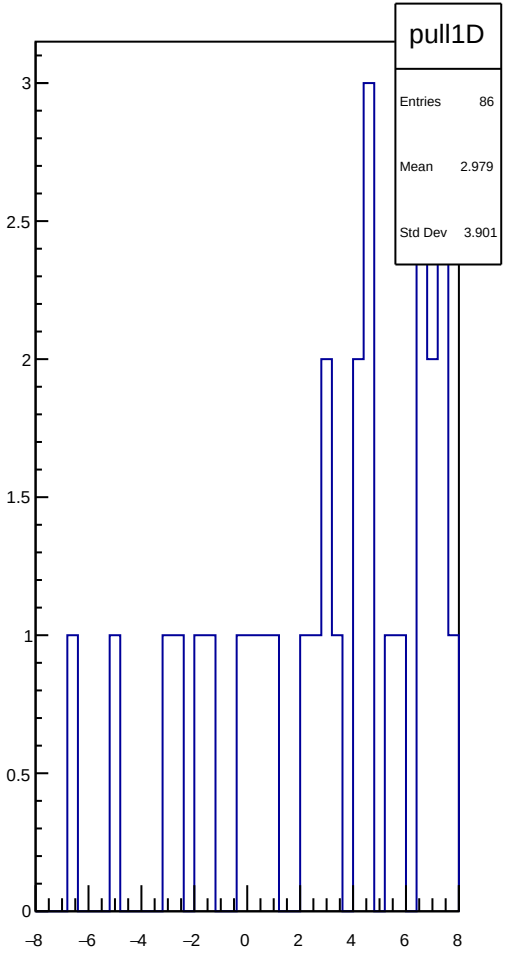

yield_bpm12Y_rms vs run
χ² / ndf 5.683e+04 / 85
p0 0.009304 ± 7.357e−06
0.05
0.04
0.03
0.02
0.01

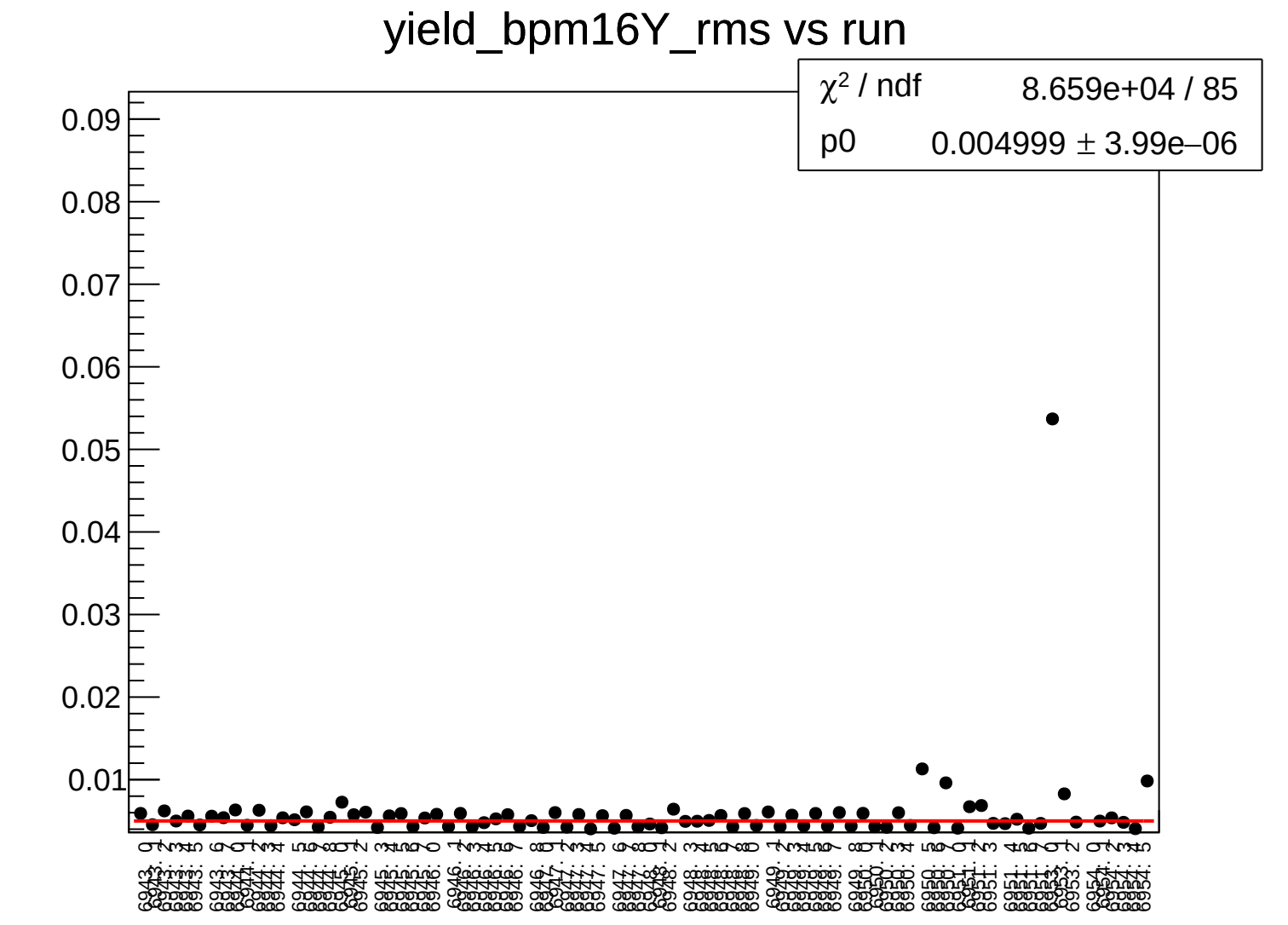

yield_bpm16X_mean vs run
χ² / ndf 3.407e+04 / 85
p0 0.01619 ± 1.309e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
pull
Entries 86
Mean 26.63
Std Dev 9.635
60
40
20
0
−20
−40
−60

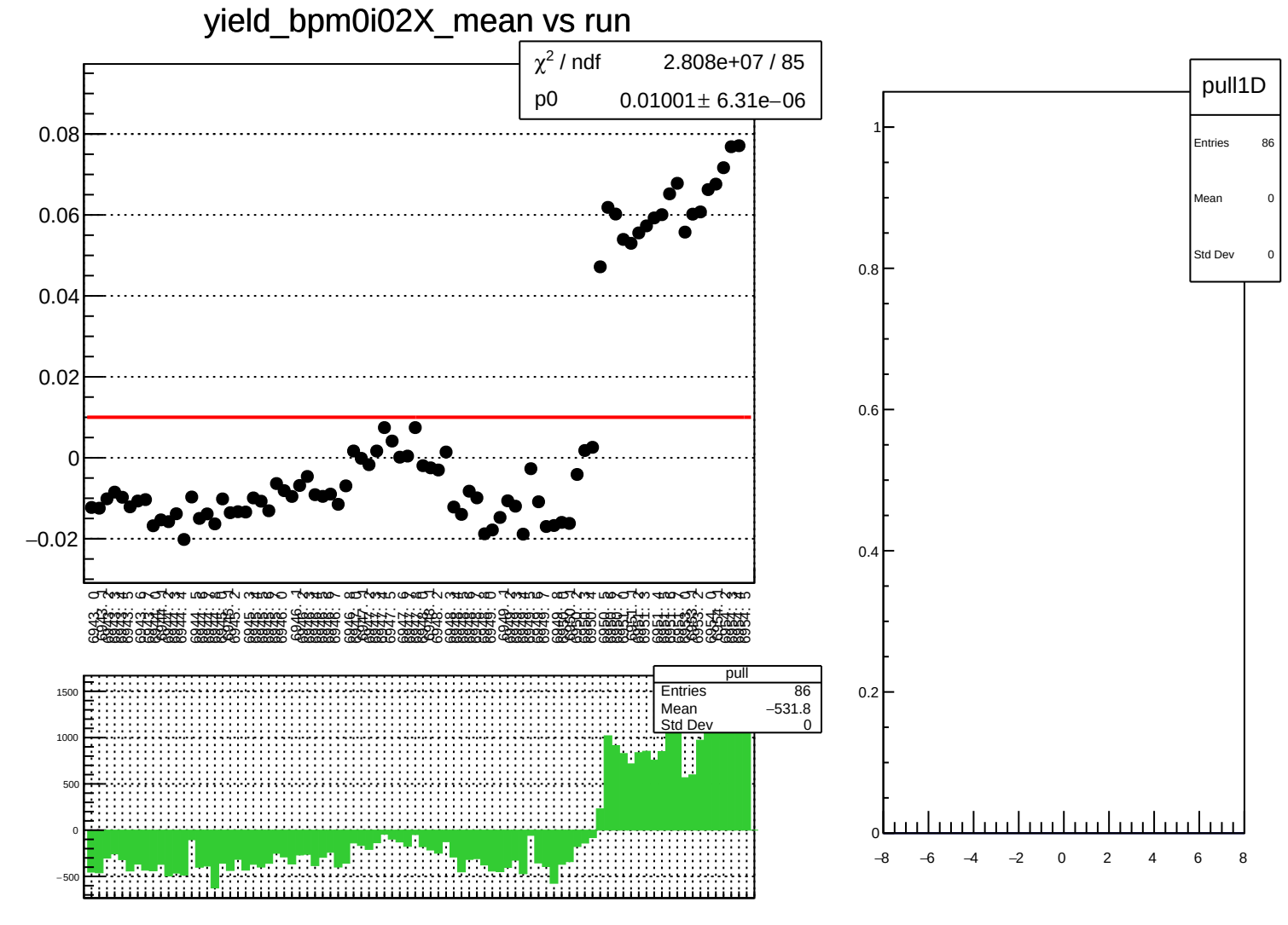

pull1D
Entries 86
Mean −2.055
Std Dev 4.211
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

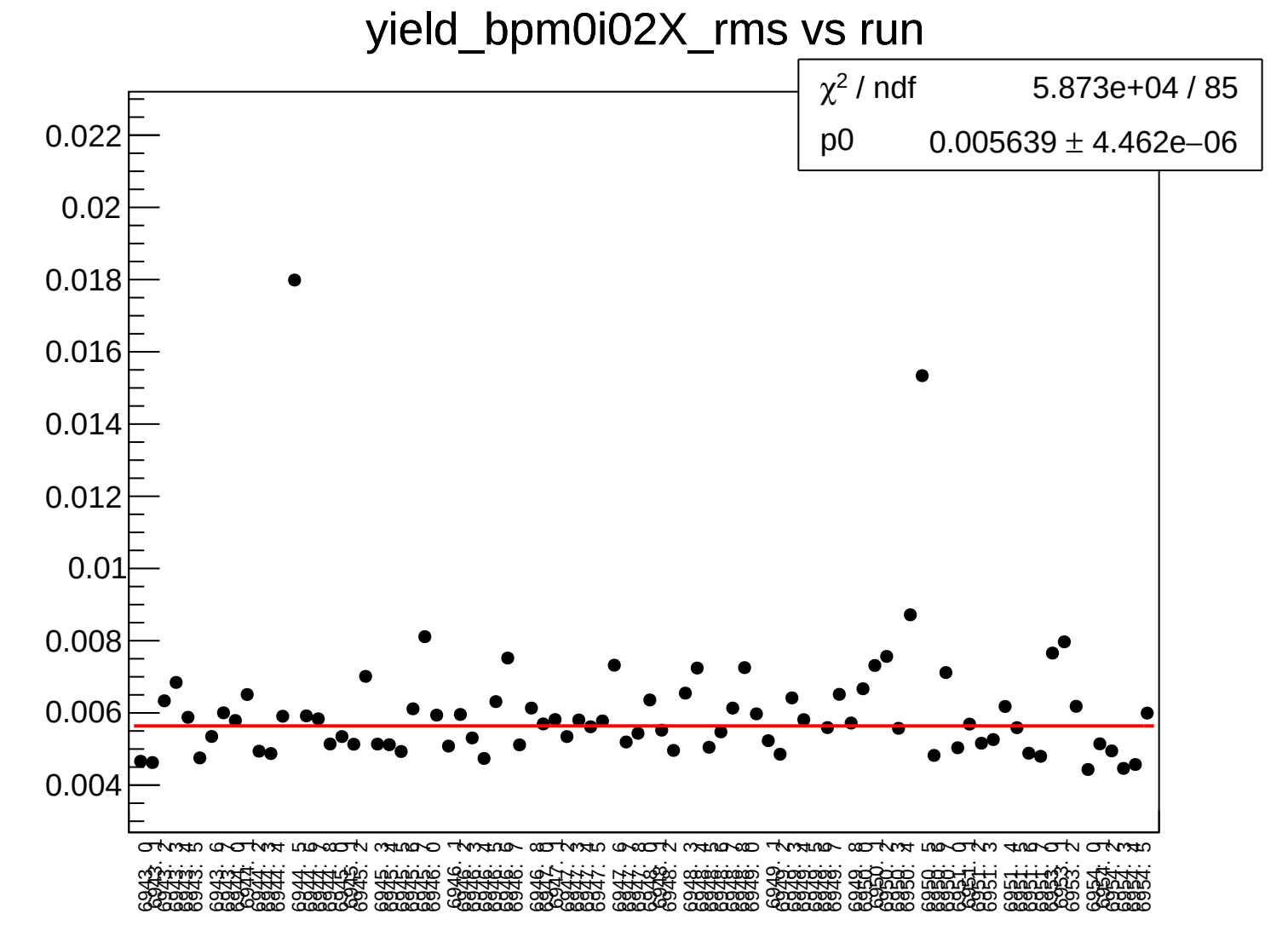

yield_bpm16X_rms vs run
χ² / ndf 2.009e+05 / 85
p0 0.01116 ± 9.255e−06
0.06
0.05
0.04
0.03
0.02
0.01

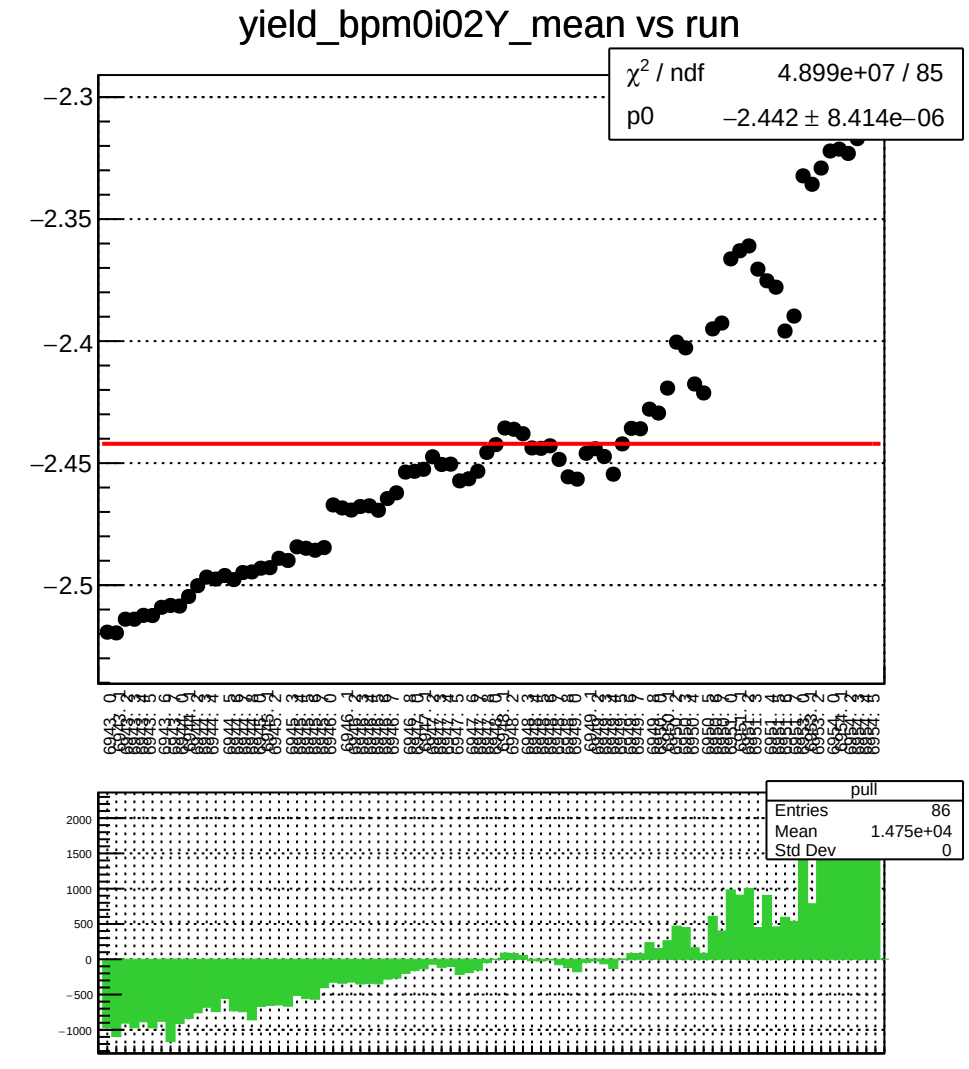

yield_bpm16Y_mean vs run
χ² / ndf 4.196e+04 / 85
p0 −0.2817 ± 5.643e−06
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
pull
Entries 86
Mean −7.632
Std Dev 0
40
20
0
−20
−40
−60

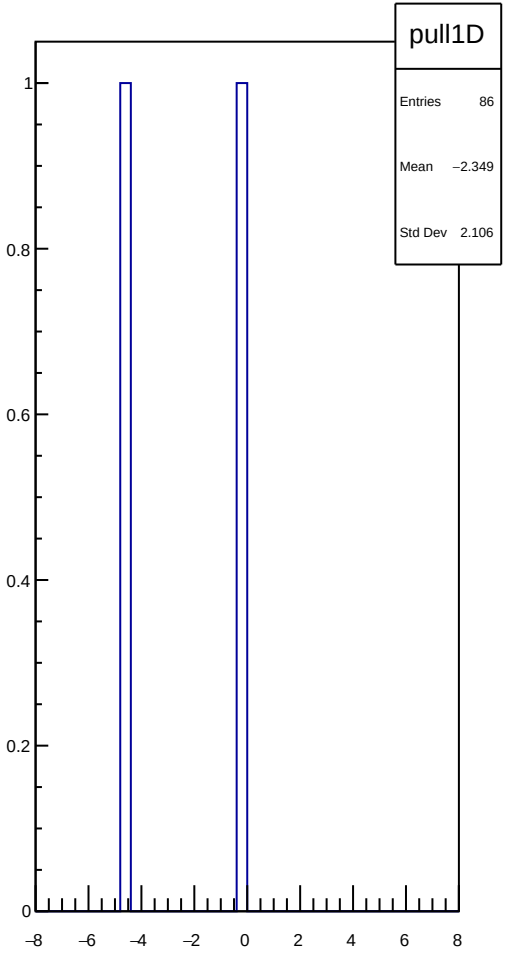

pull1D
Entries 86
Mean 2.979
Std Dev 3.901
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

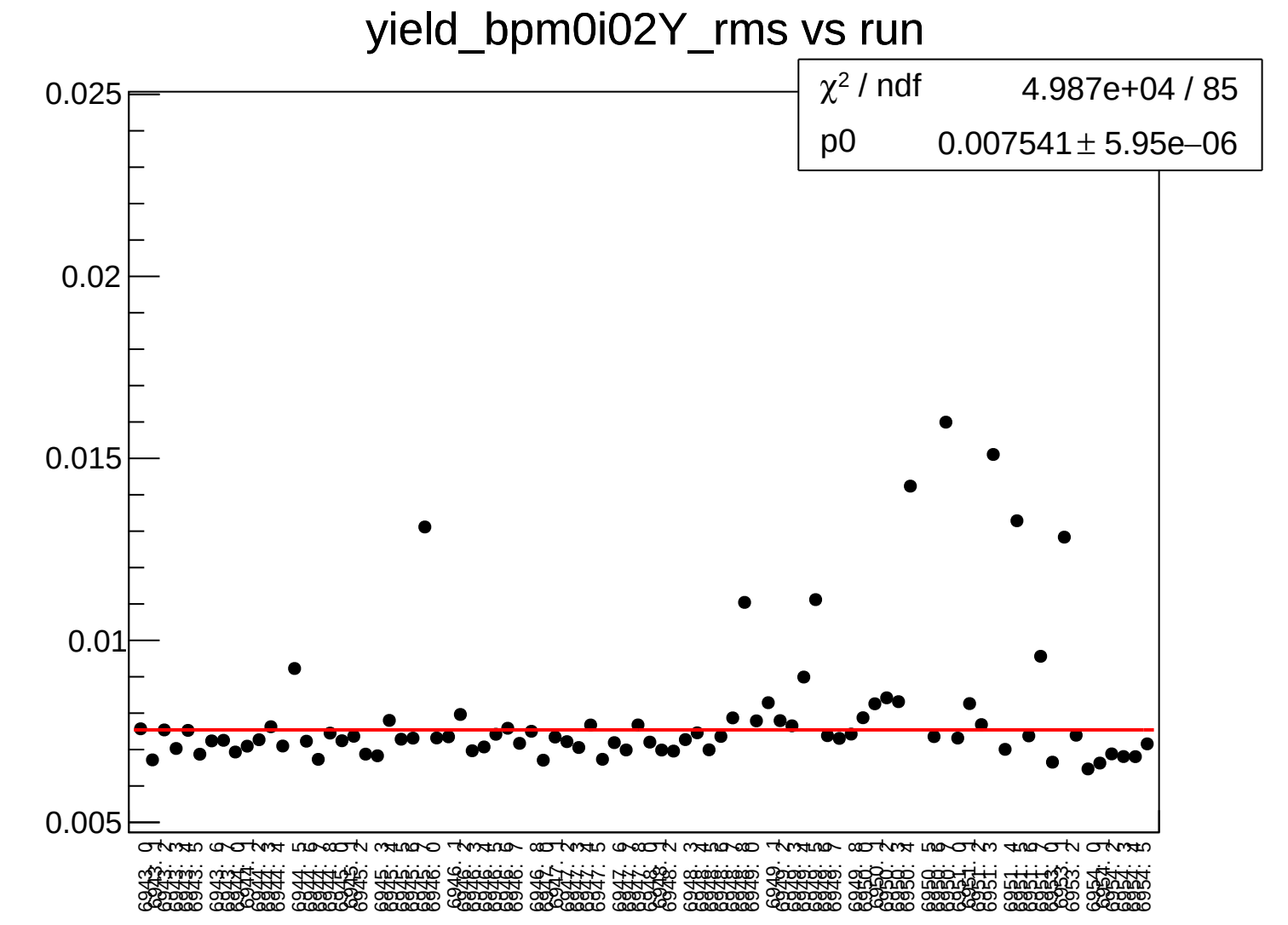

yield_bpm16Y_rms vs run
χ² / ndf 8.659e+04 / 85
p0 0.004999 ± 3.99e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

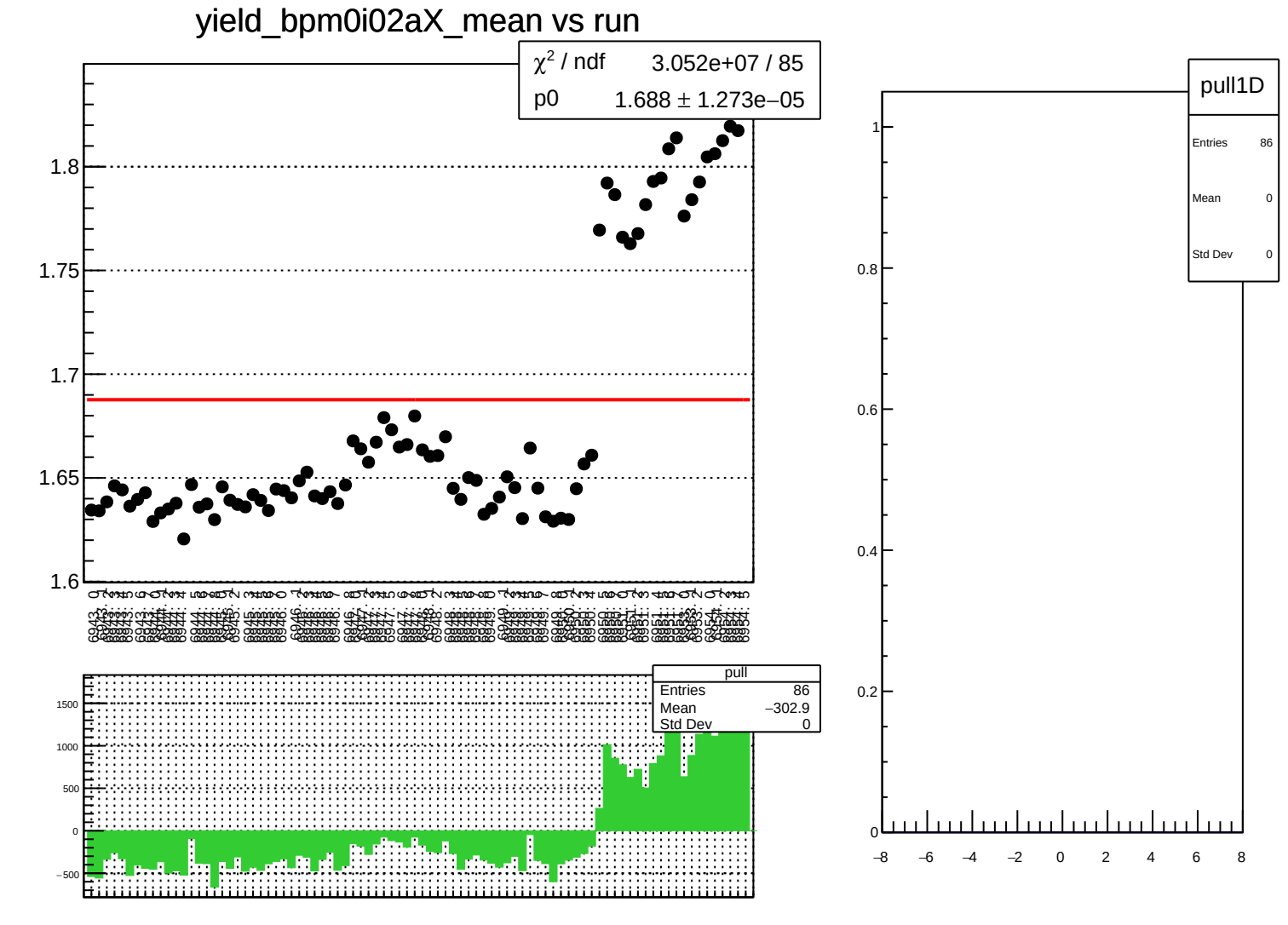

yield_bpm0i02X_mean vs run
χ² / ndf 2.808e+07 / 85
p0 0.01001± 6.31e−06
0.08
0.06
0.04
0.02
0
−0.02
pull
Entries 86
Mean −531.8
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

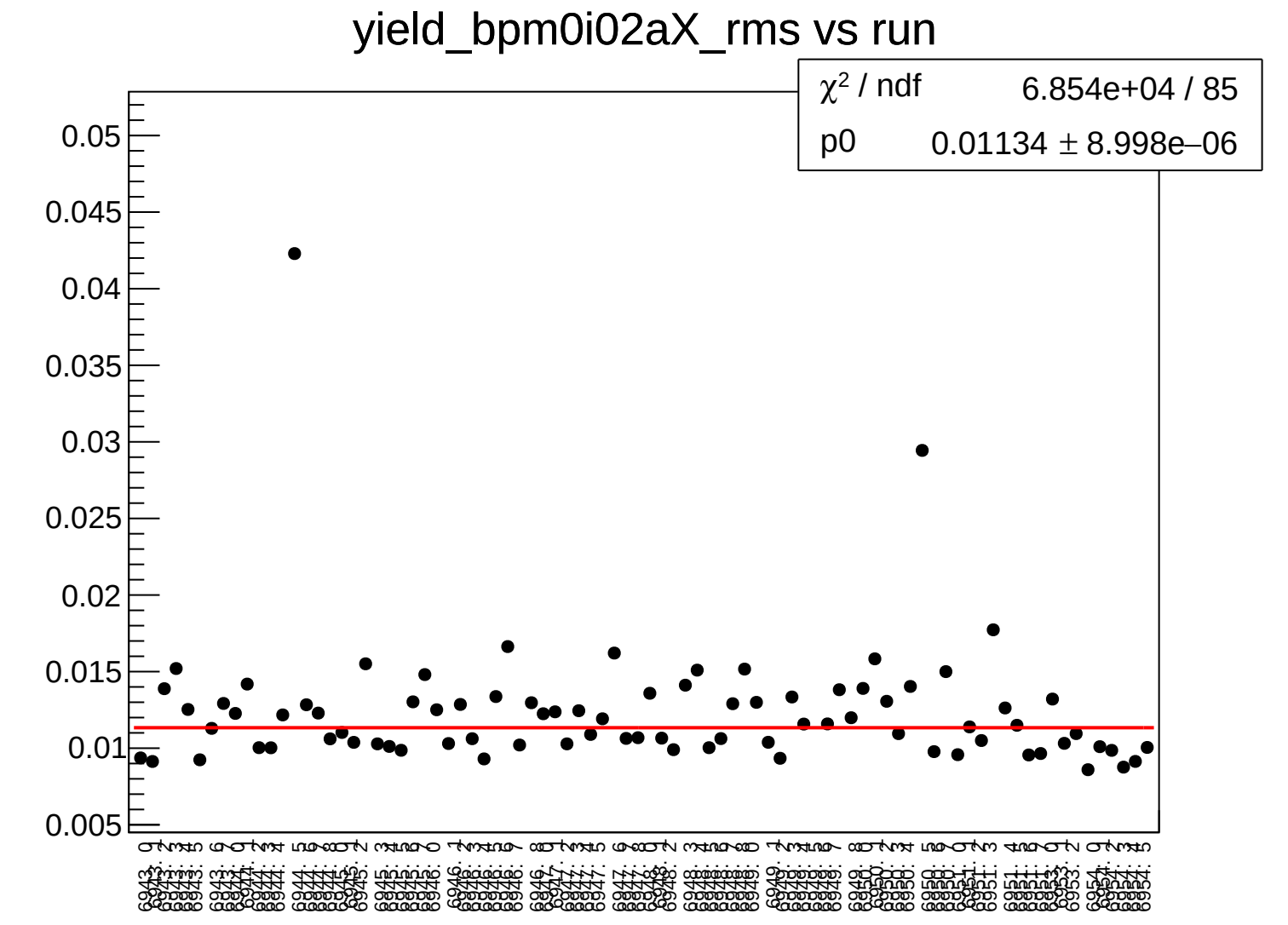

yield_bpm0i02X_rms vs run
χ² / ndf 5.873e+04 / 85
p0 0.005639 ± 4.462e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

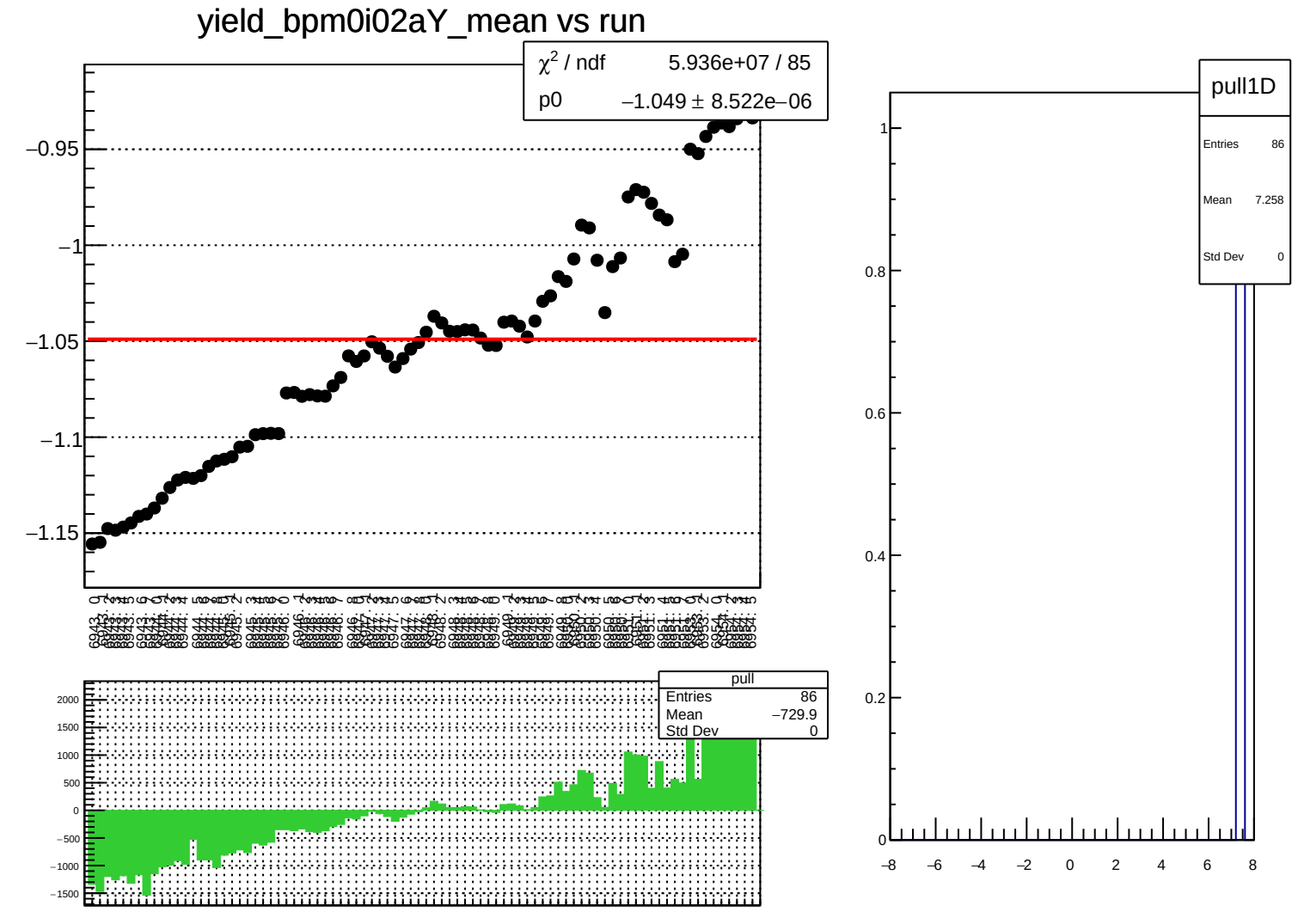

yield_bpm0i02Y_mean vs run
χ² / ndf 4.899e+07 / 85
p0 −2.442 ± 8.414e−06
−2.3
−2.35
−2.4
−2.45
−2.5
pull
Entries 86
Mean 1.475e+04
Std Dev 0
2000
1500
1000
500
0
−500
−1000

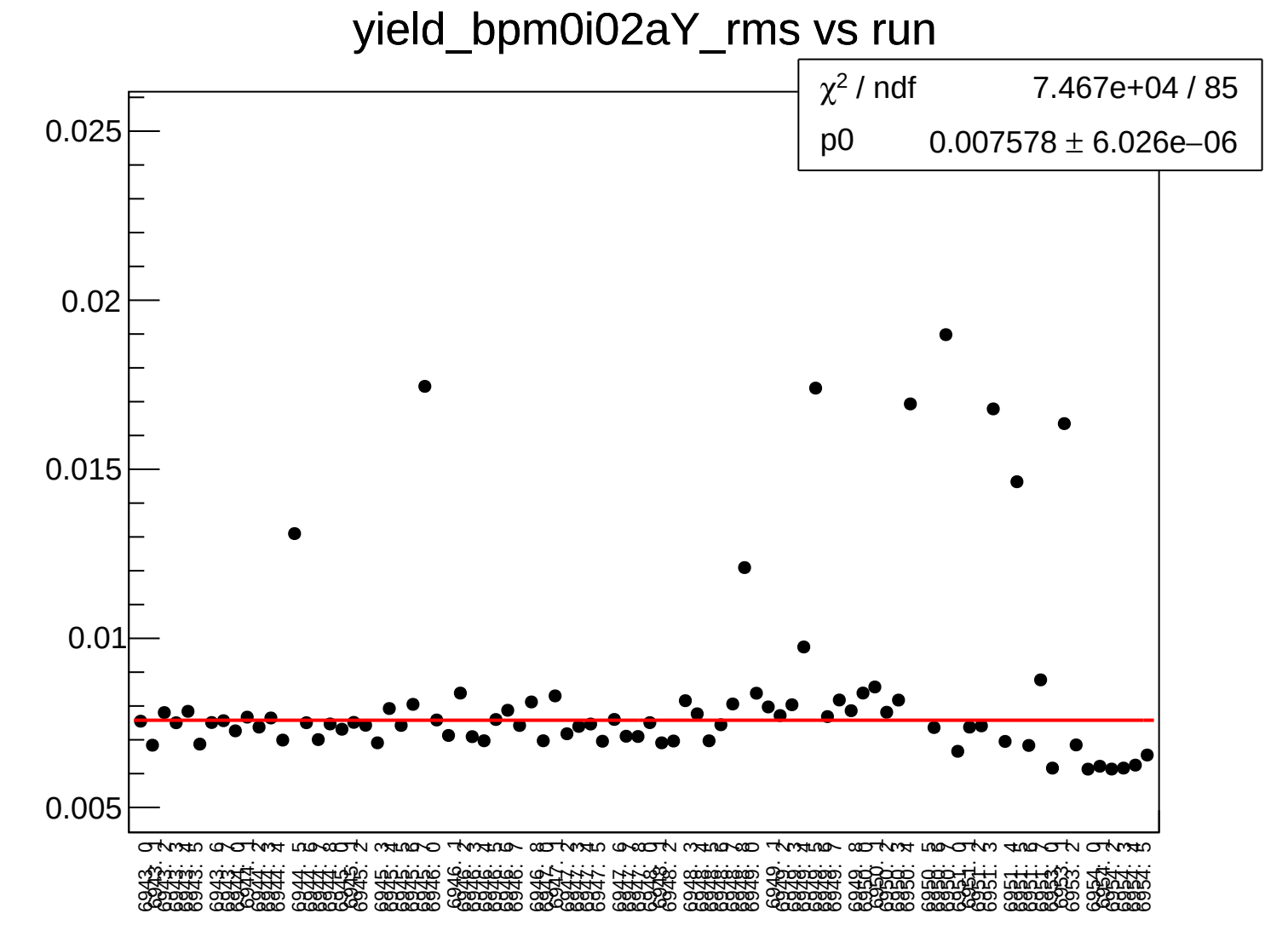

pull1D
Entries 86
Mean −2.349
Std Dev 2.106
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

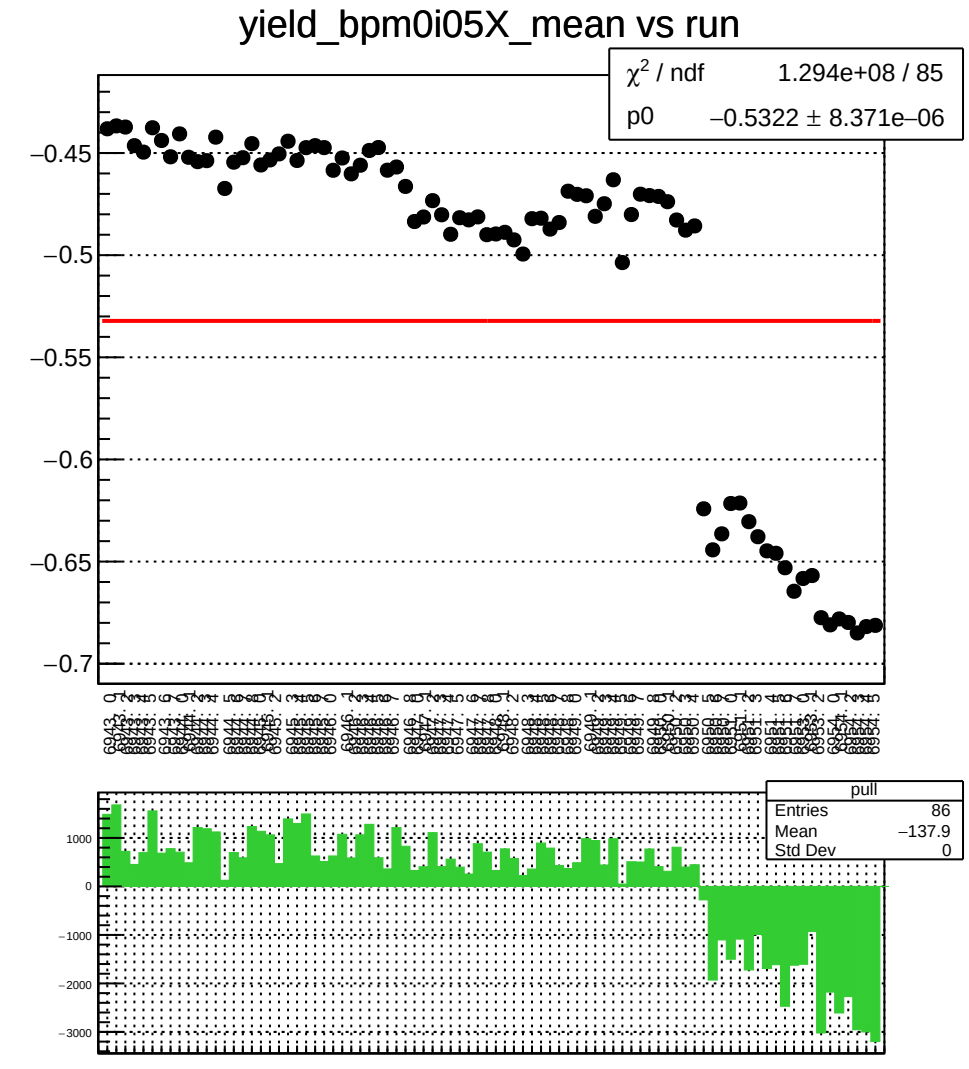

yield_bpm0i02Y_rms vs run
χ² / ndf 4.987e+04 / 85
p0 0.007541 ± 5.95e–06
0.025
0.02
0.015
0.01
0.005

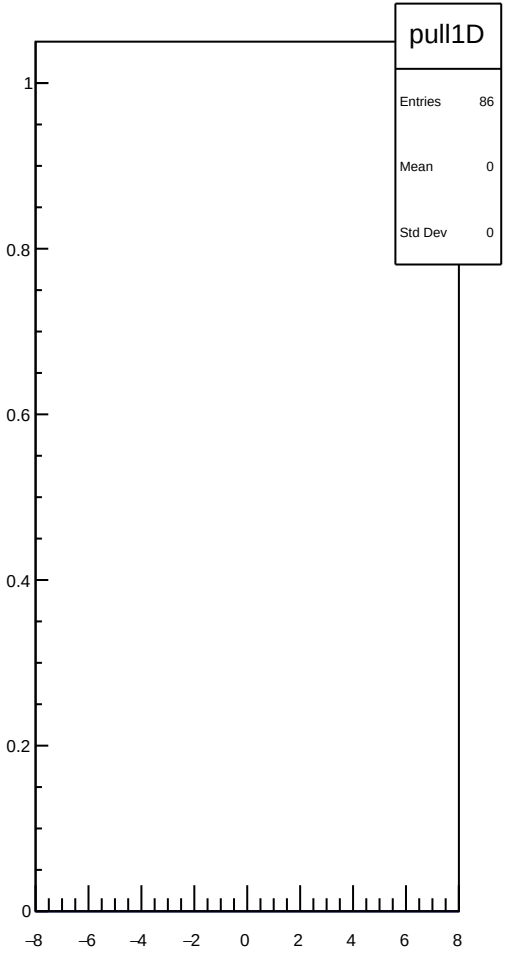

yield_bpm0i02aX_mean vs run
χ² / ndf 3.052e+07 / 85
p0 1.688 ± 1.273e−05
1.8
1.75
1.7
1.65
1.6
pull
Entries 86
Mean −302.9
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

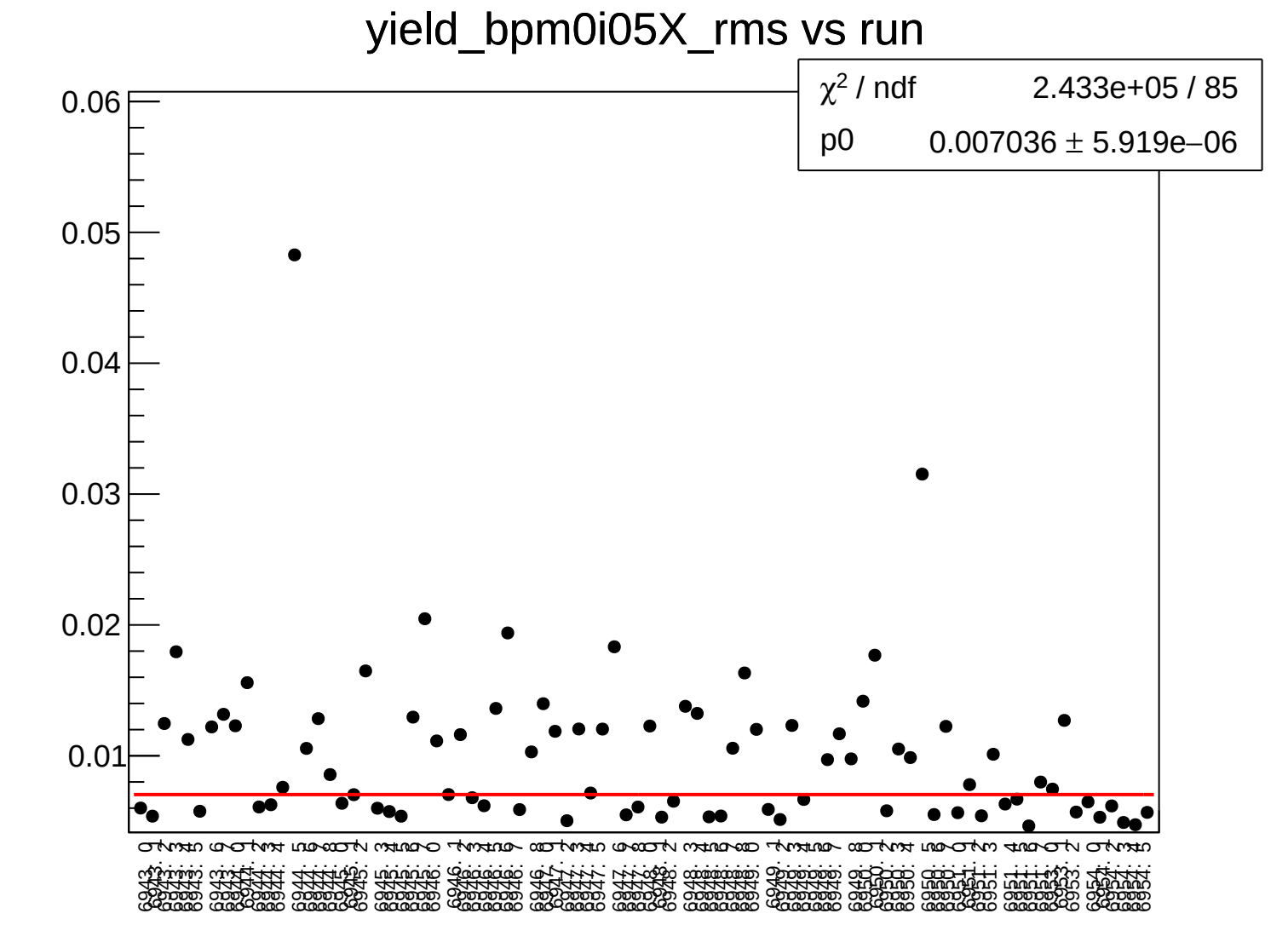

yield_bpm0i02aX_rms vs run
χ² / ndf 6.854e+04 / 85
p0 0.01134 ± 8.998e–06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

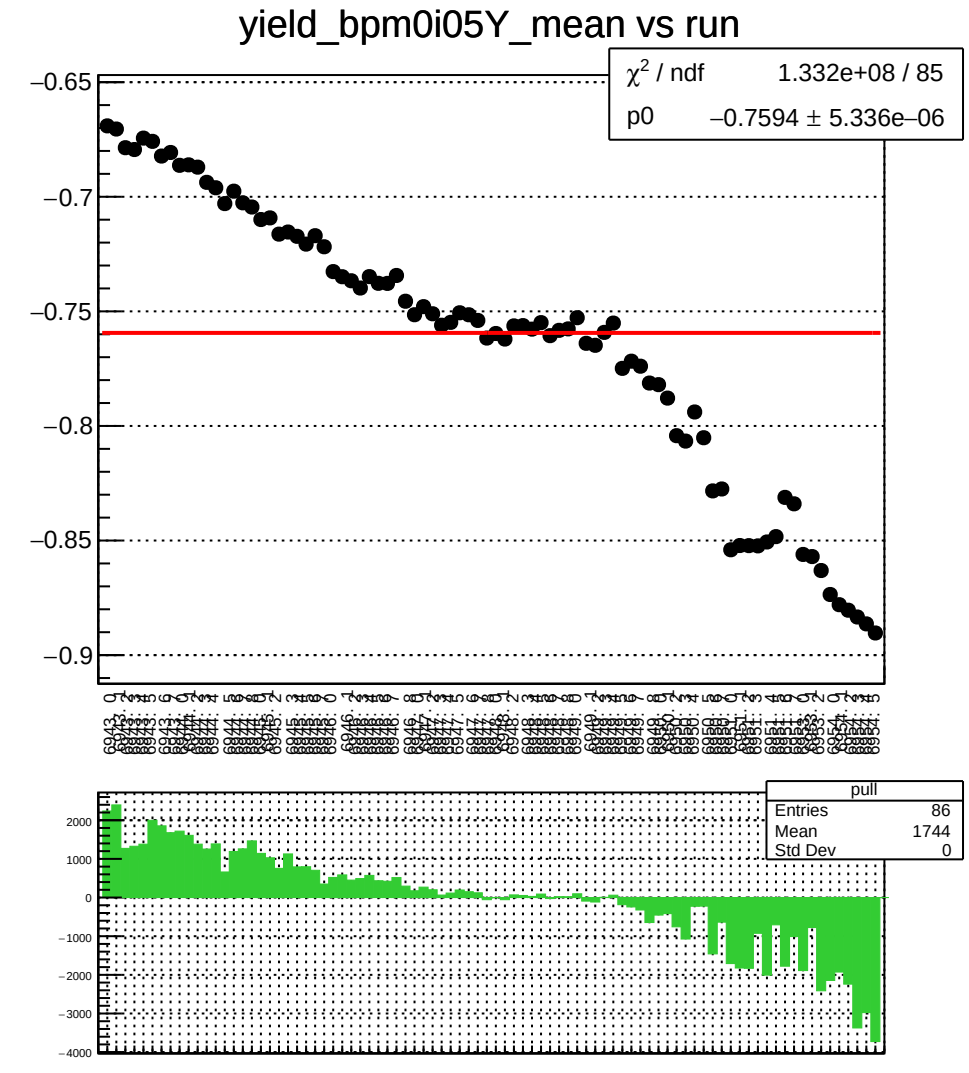

yield_bpm0i02aY_mean vs run
χ² / ndf 5.936e+07 / 85
p0 −1.049 ± 8.522e−06
−0.95
−1
−1.05
−1.1
−1.15
pull
Entries 86
Mean −729.9
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 86
Mean 7.258
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

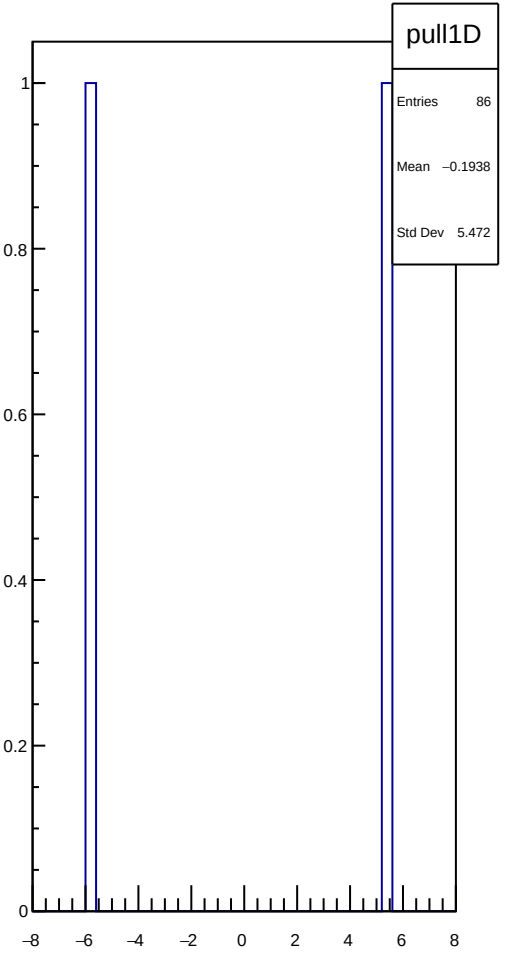

yield_bpm0i02aY_rms vs run
χ² / ndf 7.467e+04 / 85
p0 0.007578 ± 6.026e−06
0.025
0.02
0.015
0.01
0.005

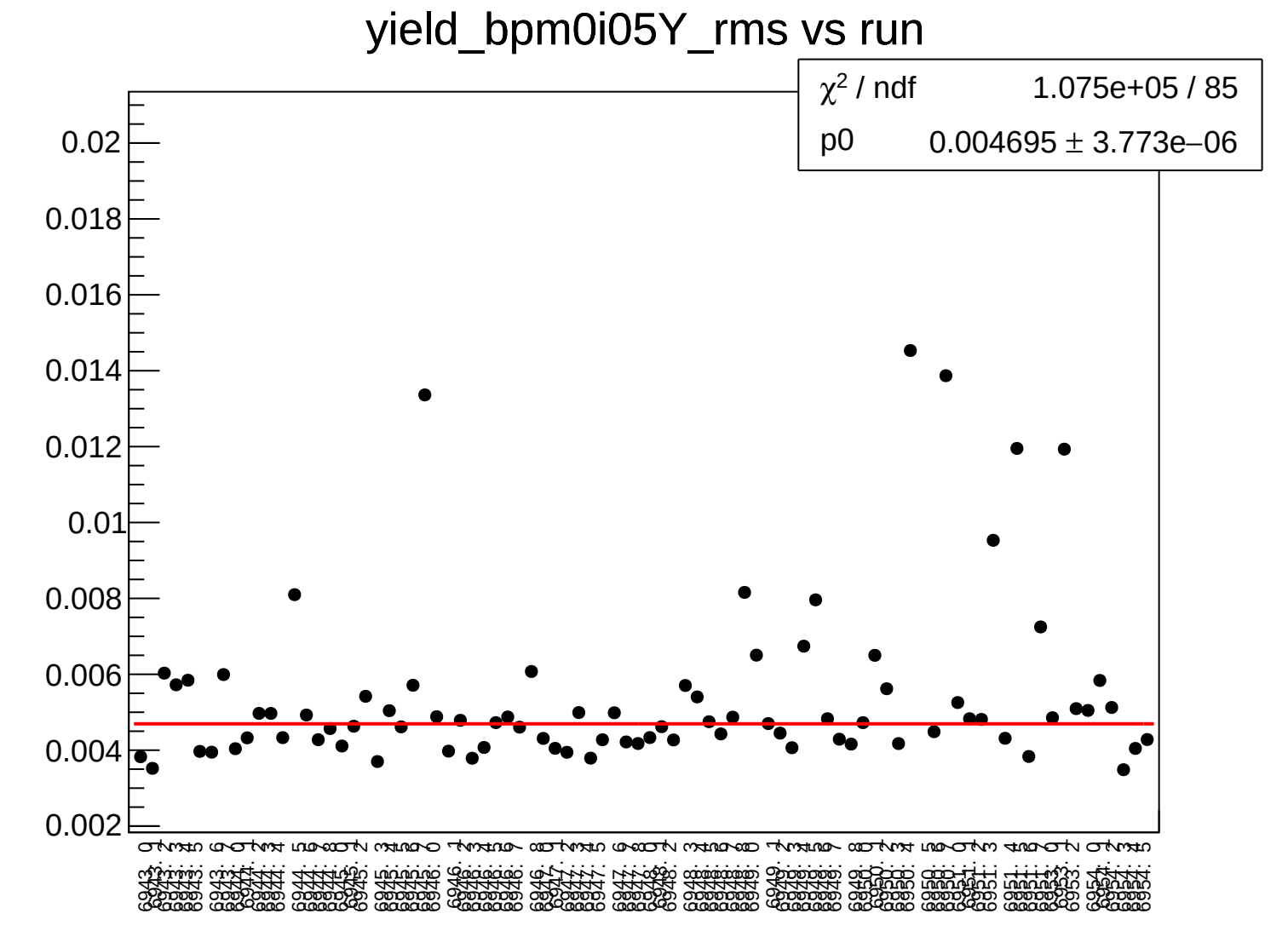

yield_bpm0i05X_mean vs run
χ² / ndf 1.294e+08 / 85
p0 −0.5322 ± 8.371e−06
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
pull
Entries 86
Mean −137.9
Std Dev 0
1000
0
−1000
−2000
−3000

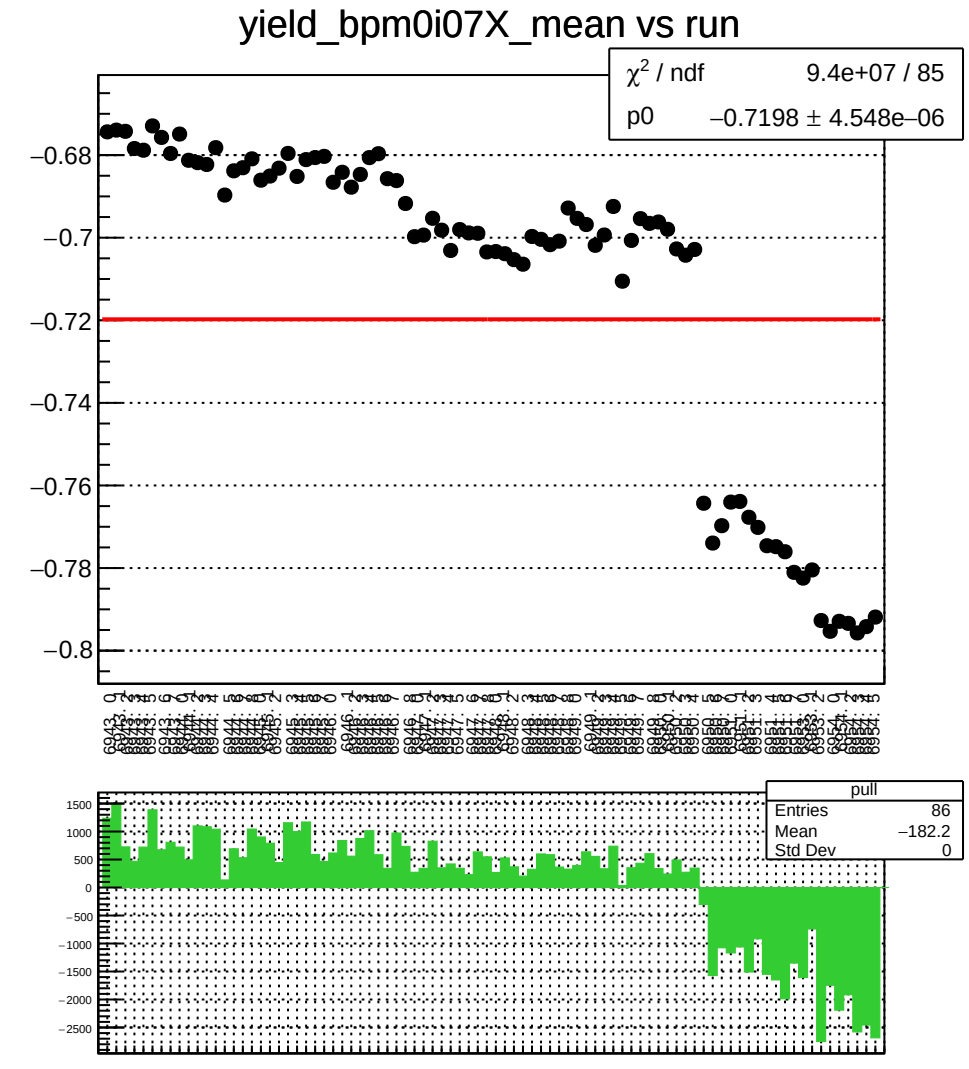

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

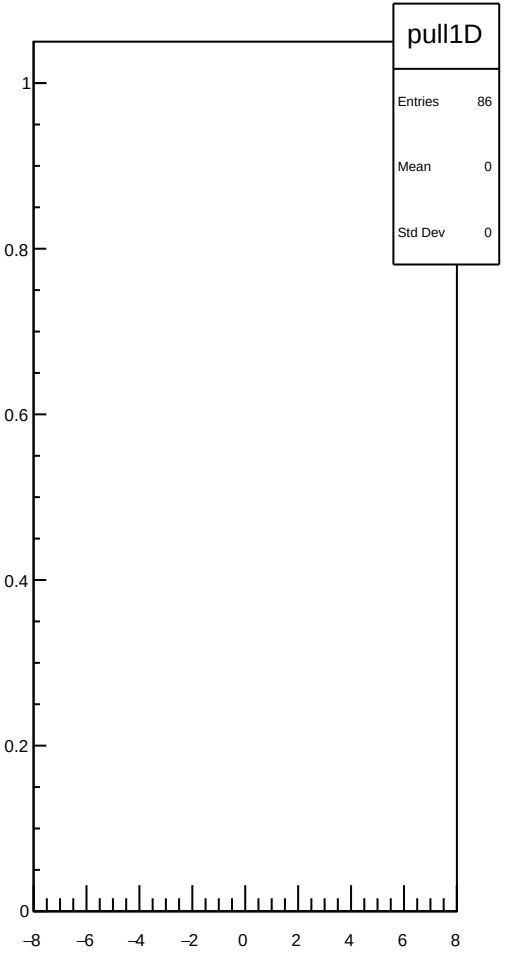

yield_bpm0i05X_rms vs run
χ² / ndf 2.433e+05 / 85
p0 0.007036 ± 5.919e−06
0.06
0.05
0.04
0.03
0.02
0.01

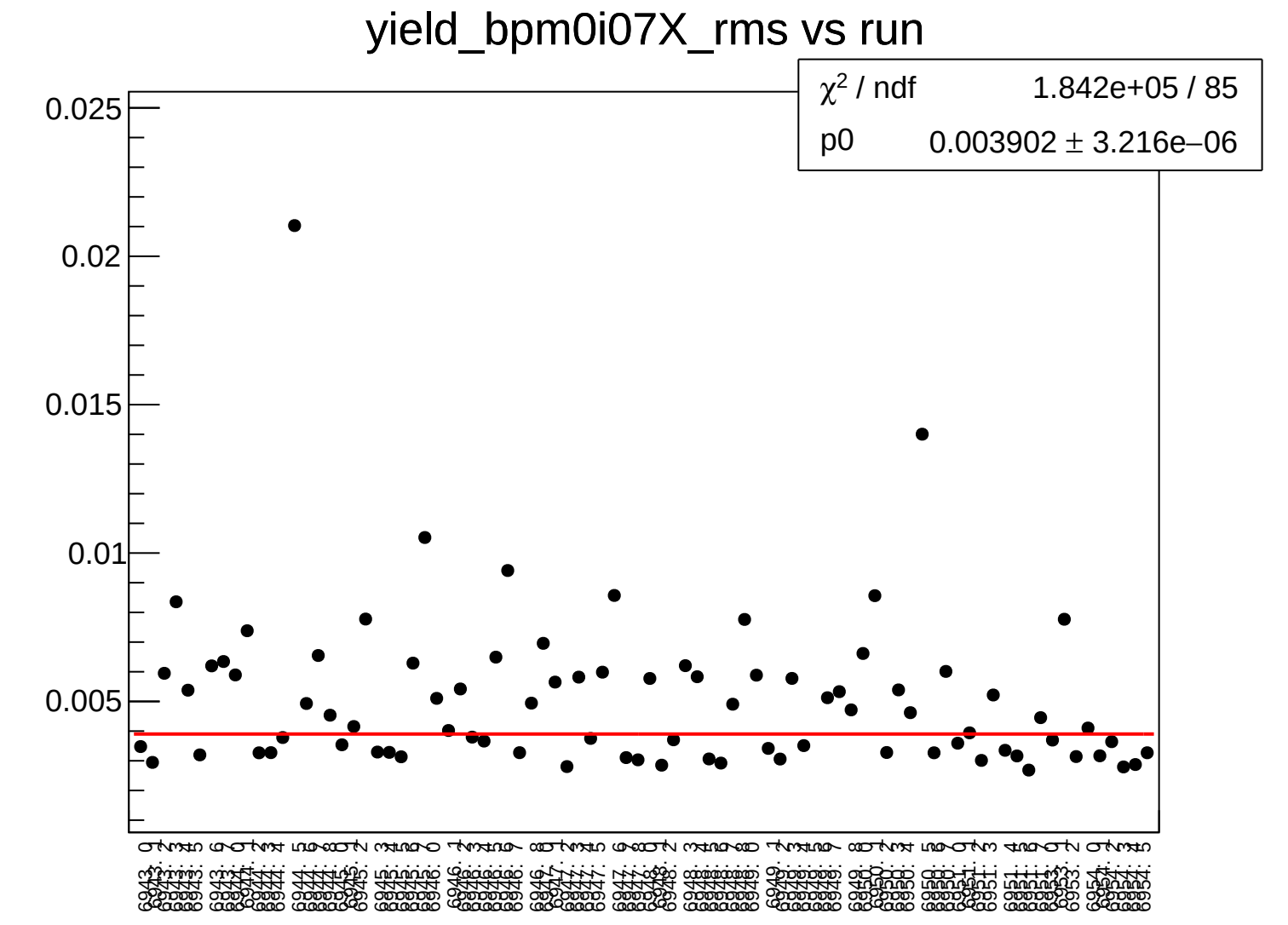

yield_bpm0i05Y_mean vs run
χ² / ndf 1.332e+08 / 85
p0 −0.7594 ± 5.336e−06
−0.65
−0.7
−0.75
−0.8
−0.85
−0.9
pull
Entries 86
Mean 1744
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000

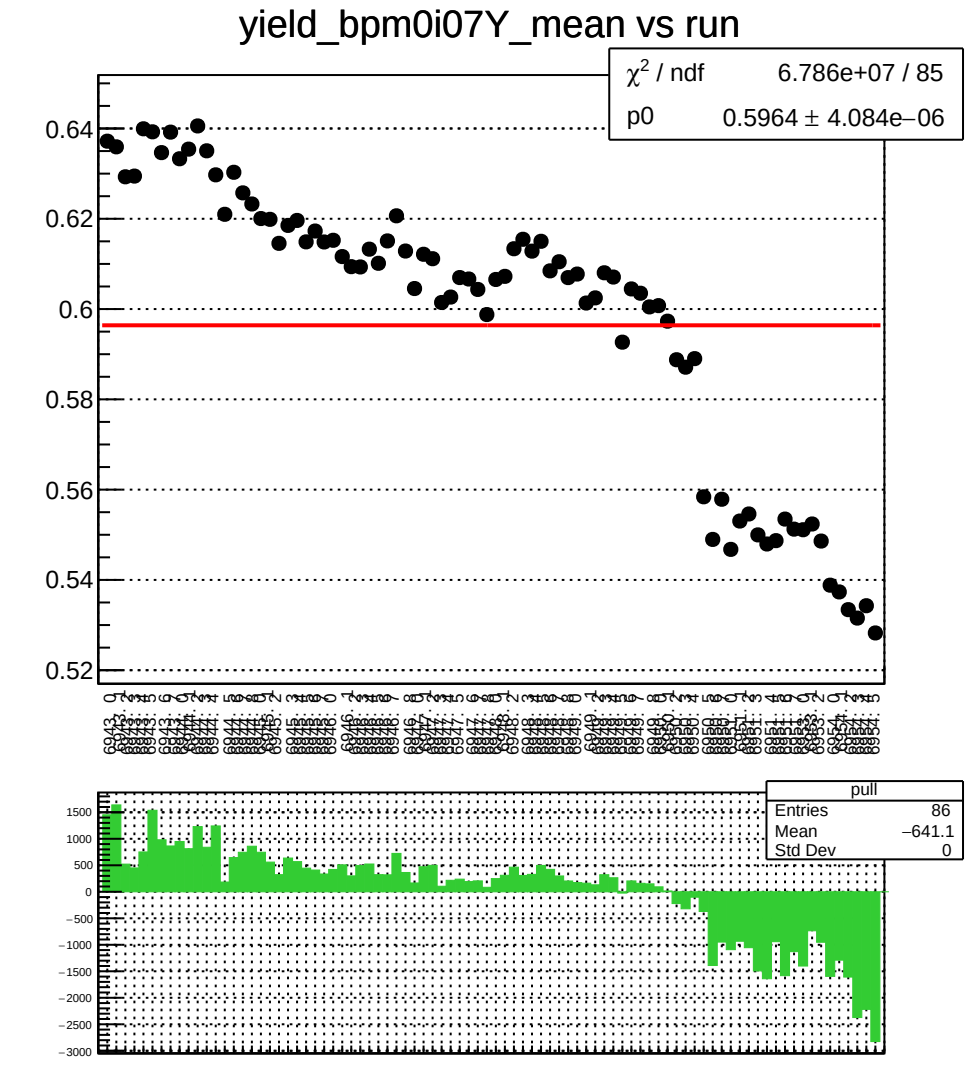

pull1D
Entries 86
Mean −0.1938
Std Dev 5.472
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

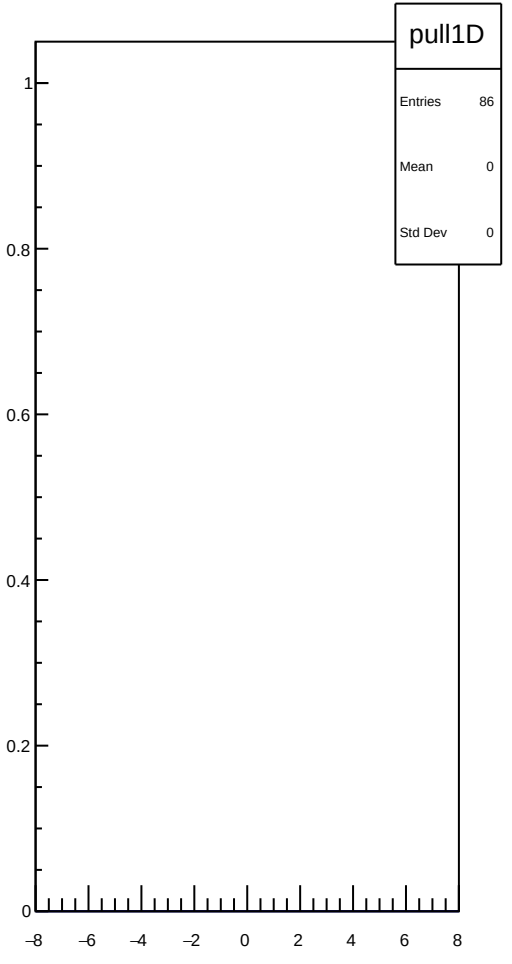

yield_bpm0i05Y_rms vs run
χ^2 / ndf 1.075e+05 / 85
p0 0.004695 ± 3.773e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

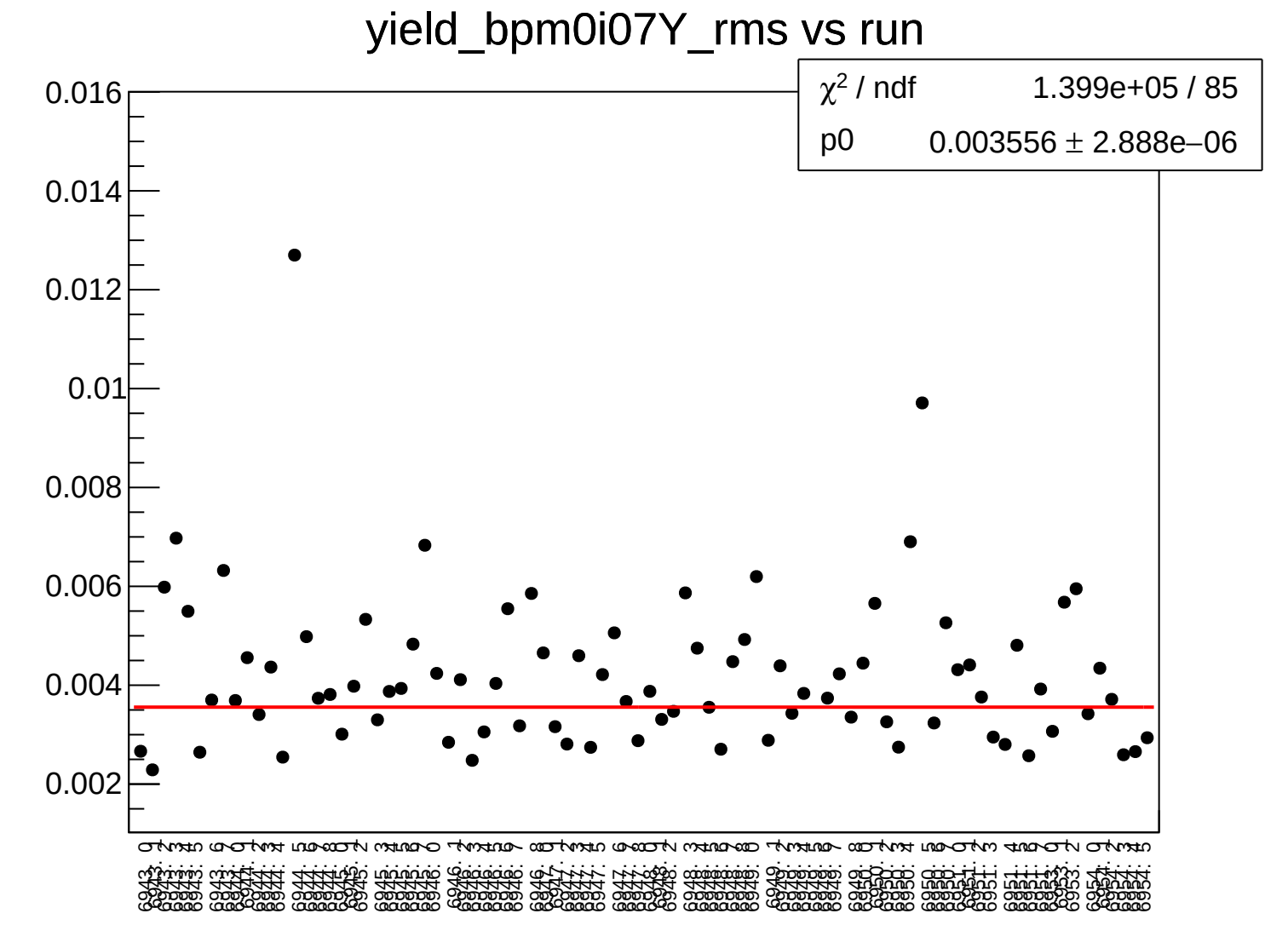

yield_bpm0i07X_mean vs run
χ² / ndf 9.4e+07 / 85
p0 −0.7198 ± 4.548e−06
−0.68
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
pull
Entries 86
Mean −182.2
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

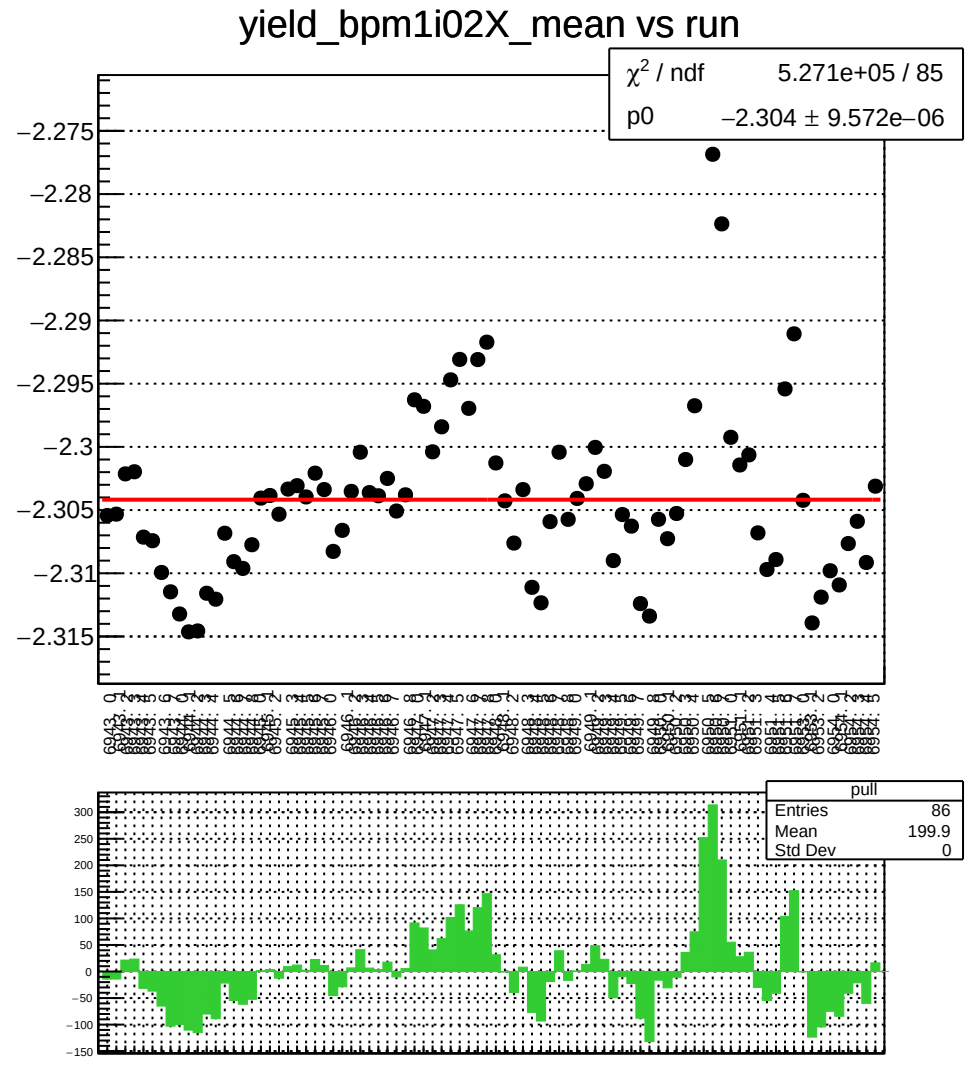

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

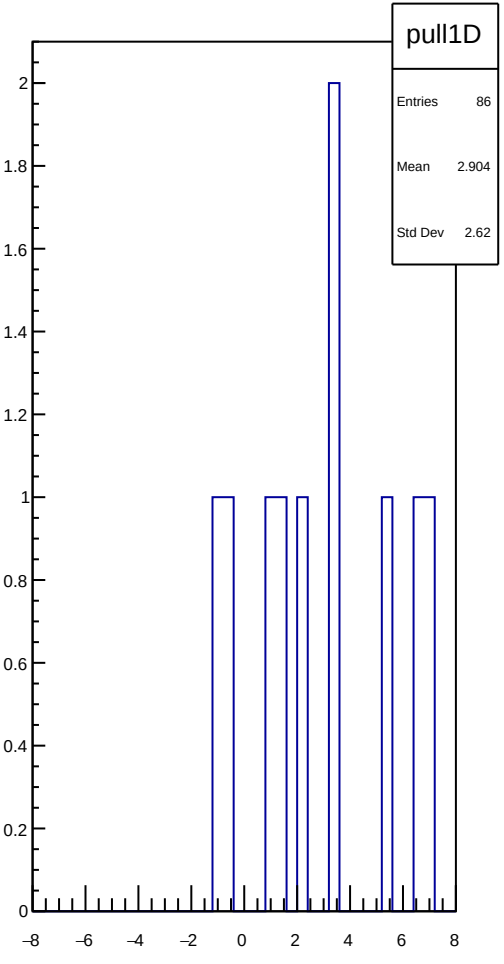

yield_bpm0i07X_rms vs run
χ² / ndf 1.842e+05 / 85
p0 0.003902 ± 3.216e−06
0.025
0.02
0.015
0.01
0.005

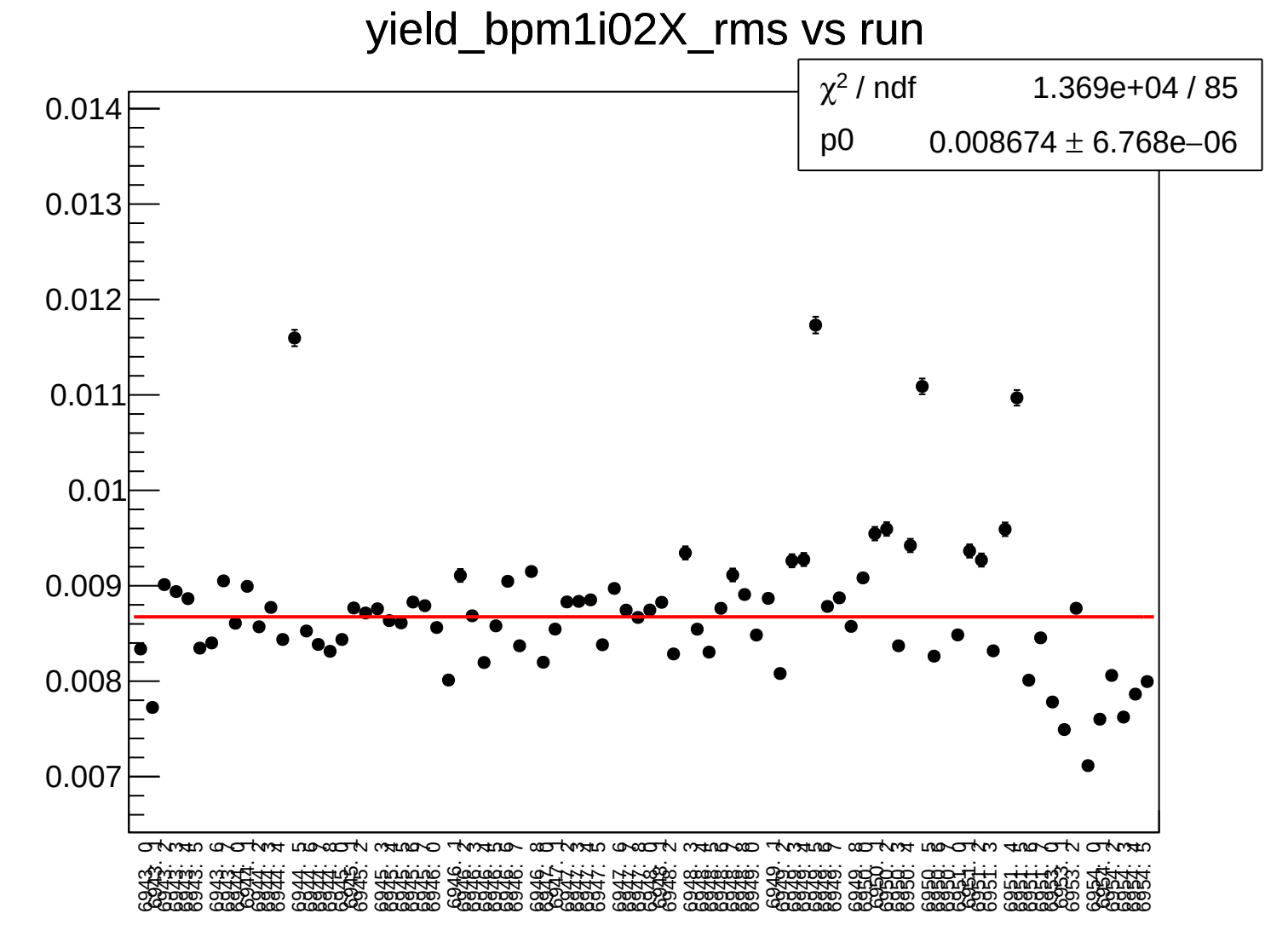

yield_bpm0i07Y_mean vs run
χ² / ndf 6.786e+07 / 85
p0 0.5964 ± 4.084e−06
0.64
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 86
Mean −641.1
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000

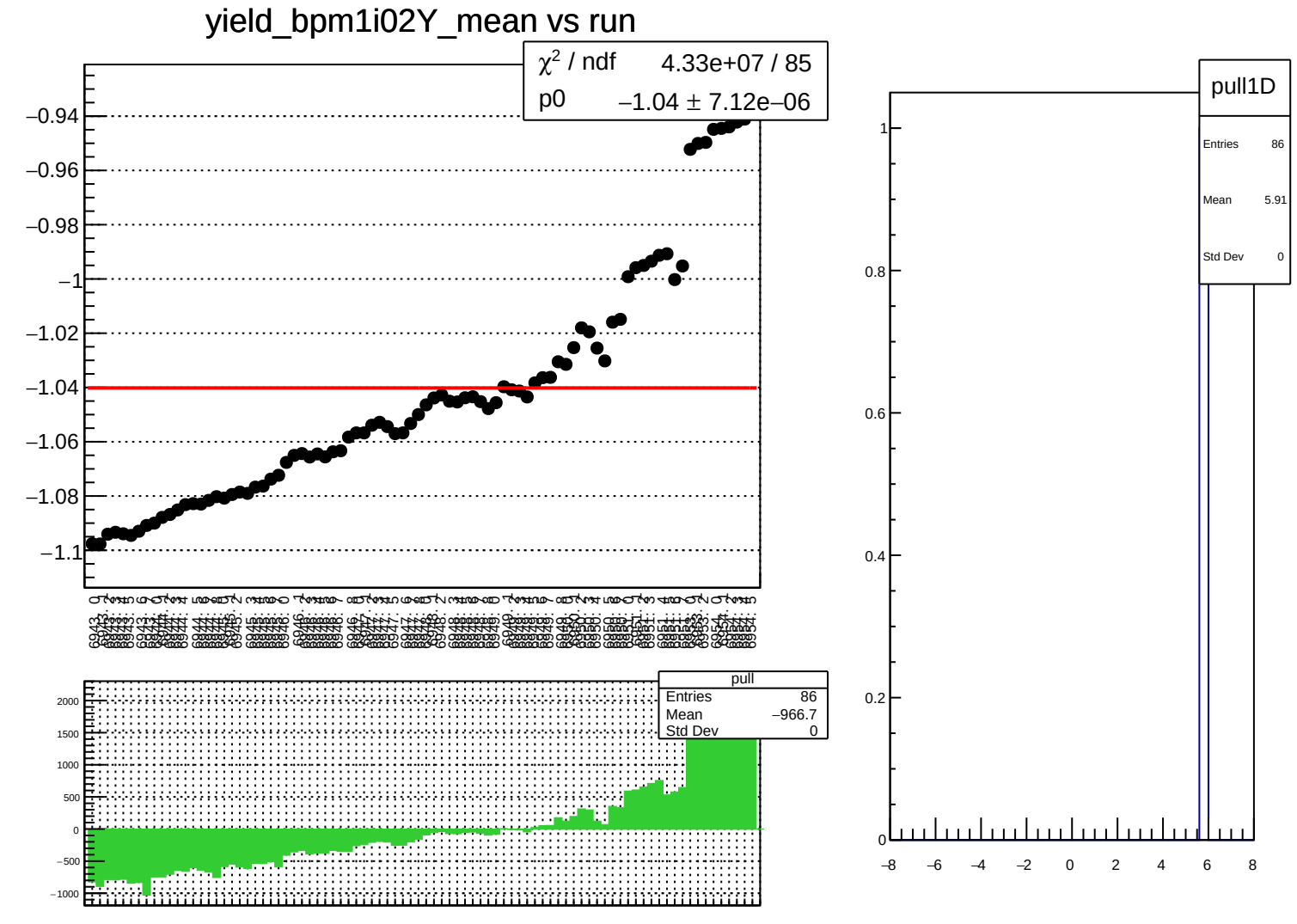

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

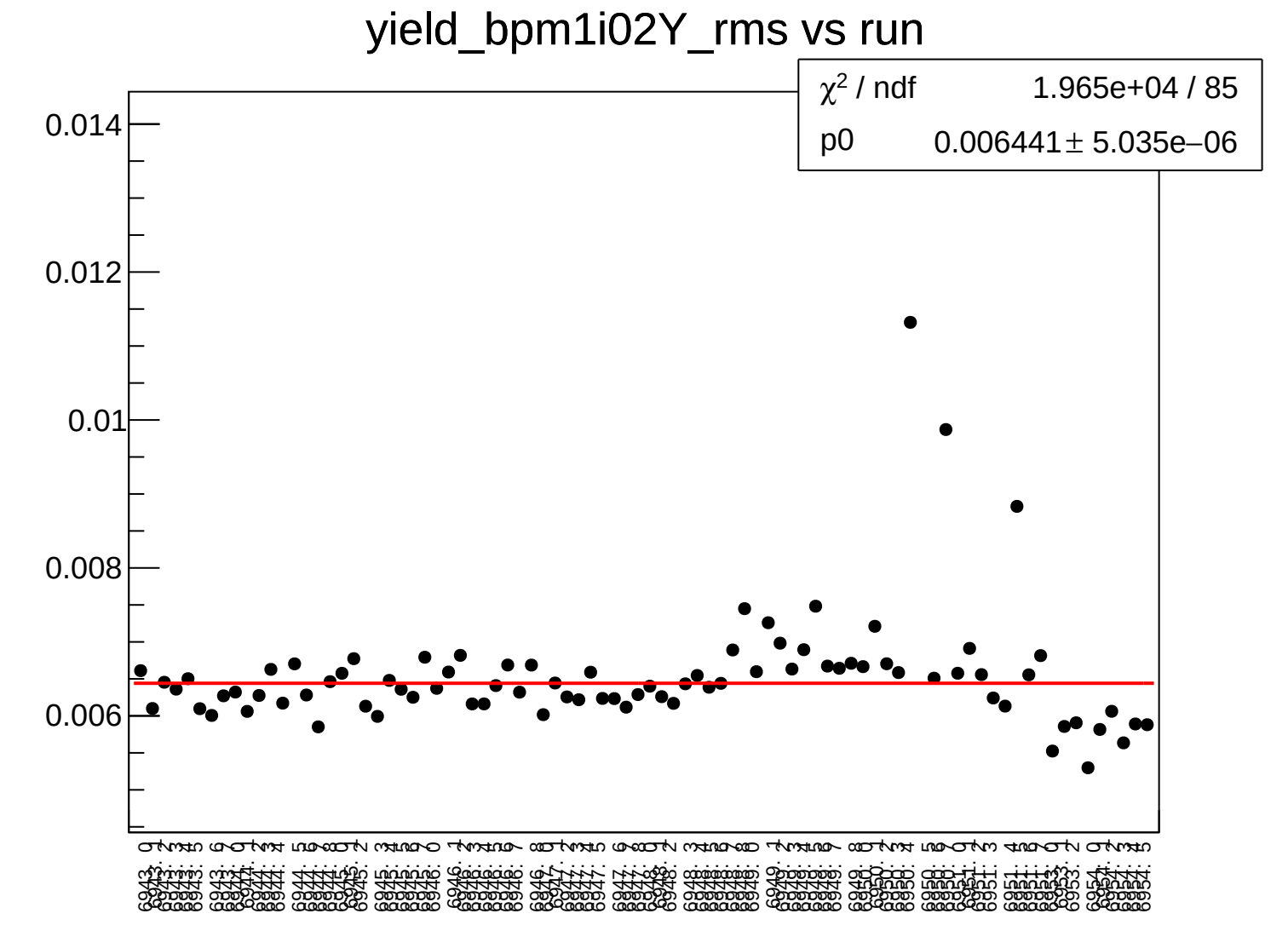

yield_bpm0i07Y_rms vs run
χ² / ndf 1.399e+05 / 85
p0 0.003556 ± 2.888e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

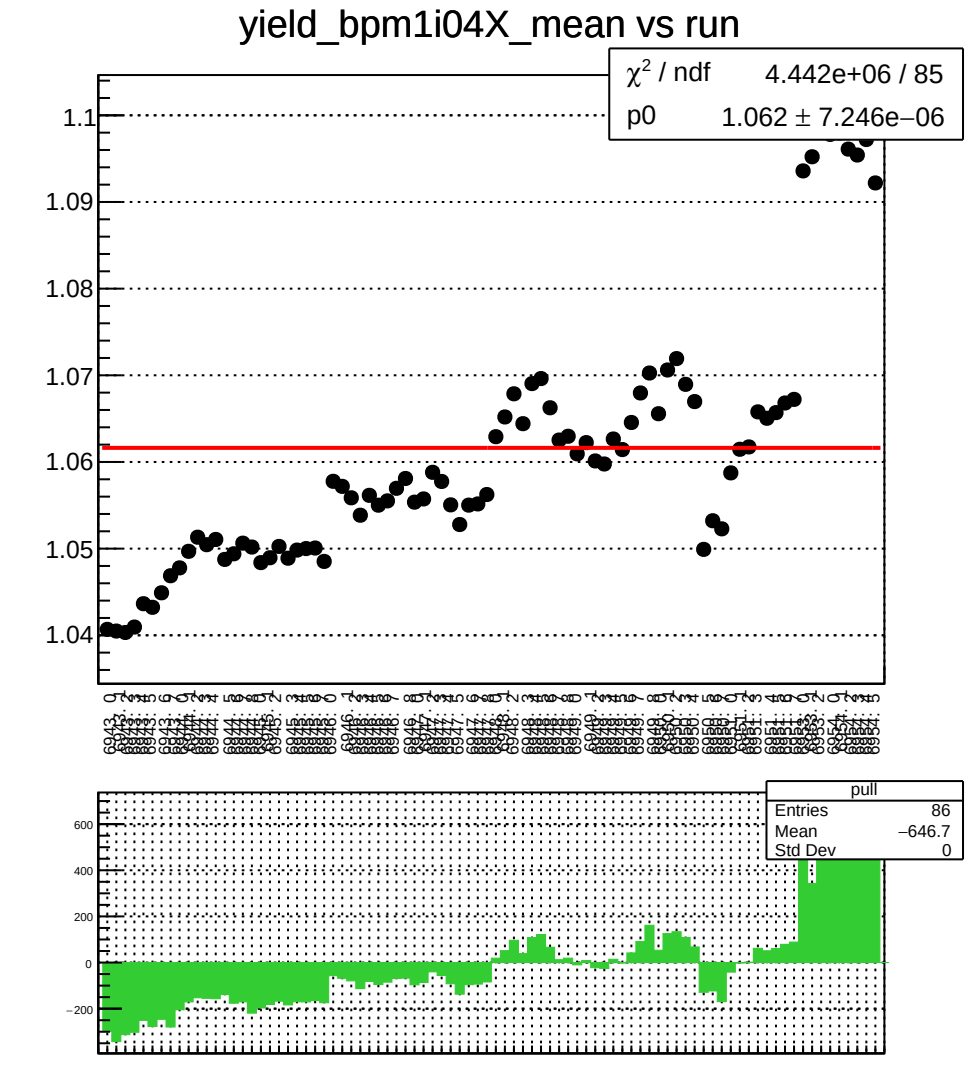

yield_bpm1i02X_mean vs run
χ² / ndf 5.271e+05 / 85
p0 −2.304 ± 9.572e−06
−2.275
−2.28
−2.285
−2.29
−2.295
−2.3
−2.305
−2.31
−2.315
pull
Entries 86
Mean 199.9
Std Dev 0
300
250
200
150
100
50
0
−50
−100
−150

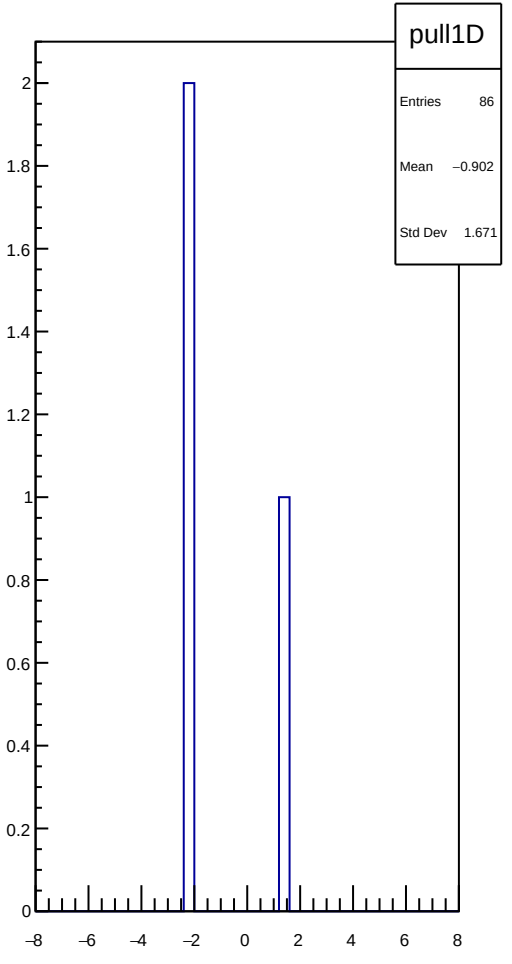

pull1D
Entries 86
Mean 2.904
Std Dev 2.62
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

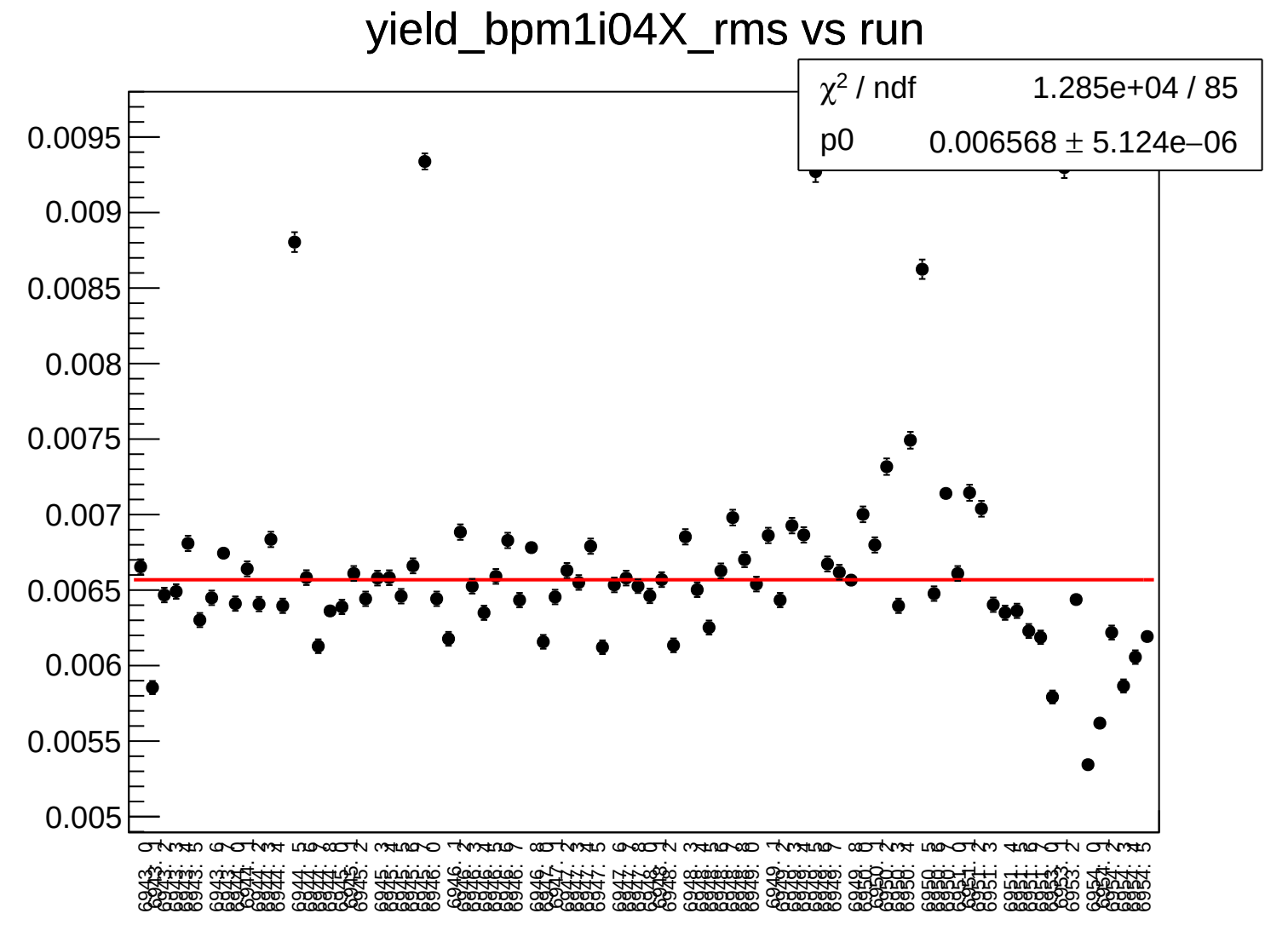

yield_bpm1i02X_rms vs run
χ^2 / ndf 1.369e+04 / 85
p0 0.008674 ± 6.768e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

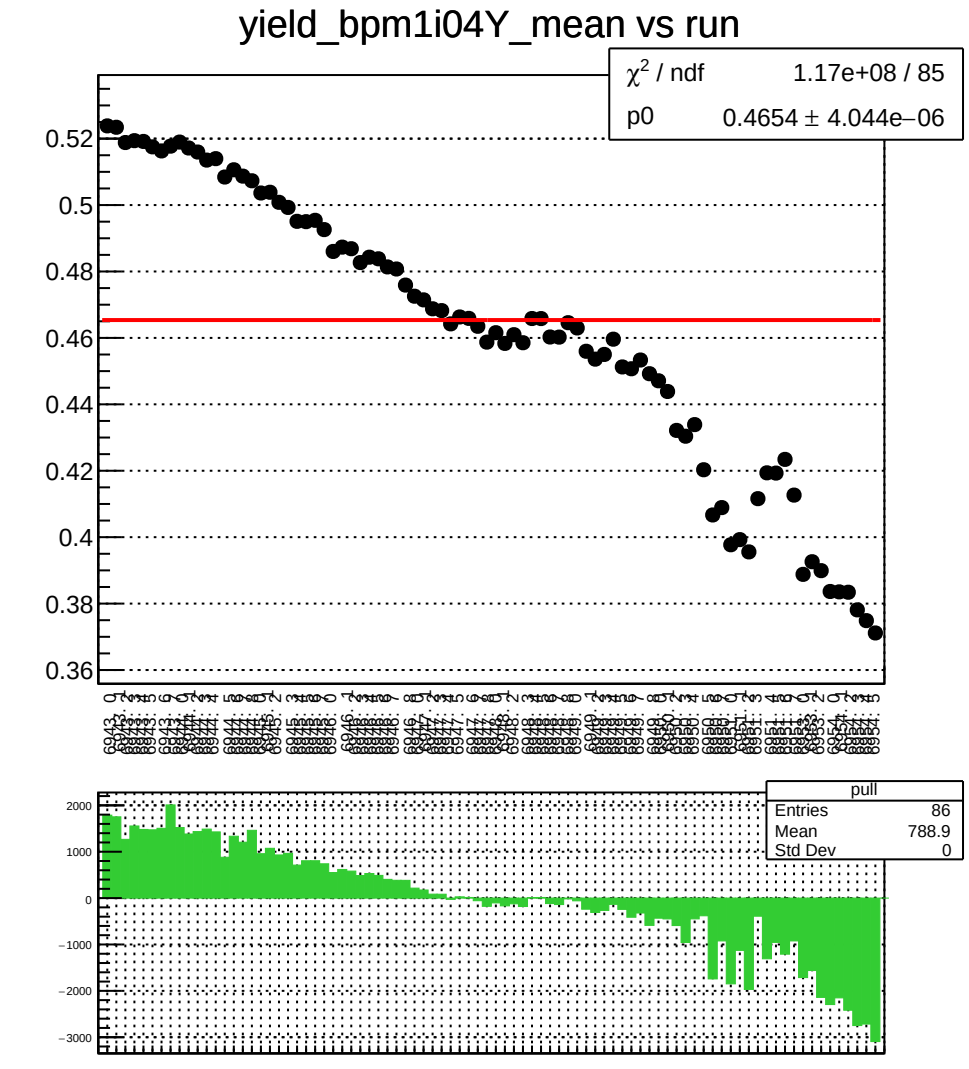

yield_bpm1i02Y_mean vs run
χ² / ndf 4.33e+07 / 85
p0 −1.04 ± 7.12e−06
−0.94
−0.96
−0.98
−1
−1.02
−1.04
−1.06
−1.08
−1.1
pull
Entries 86
Mean −966.7
Std Dev 0
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 86
Mean 5.91
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

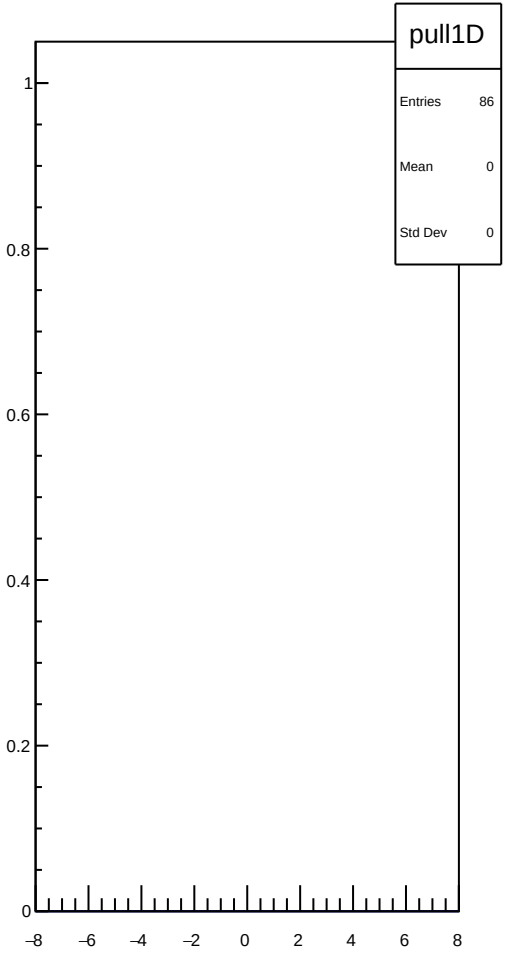

yield_bpm1i02Y_rms vs run
χ² / ndf 1.965e+04 / 85
p0 0.006441 ± 5.035e−06
0.014
0.012
0.01
0.008
0.006

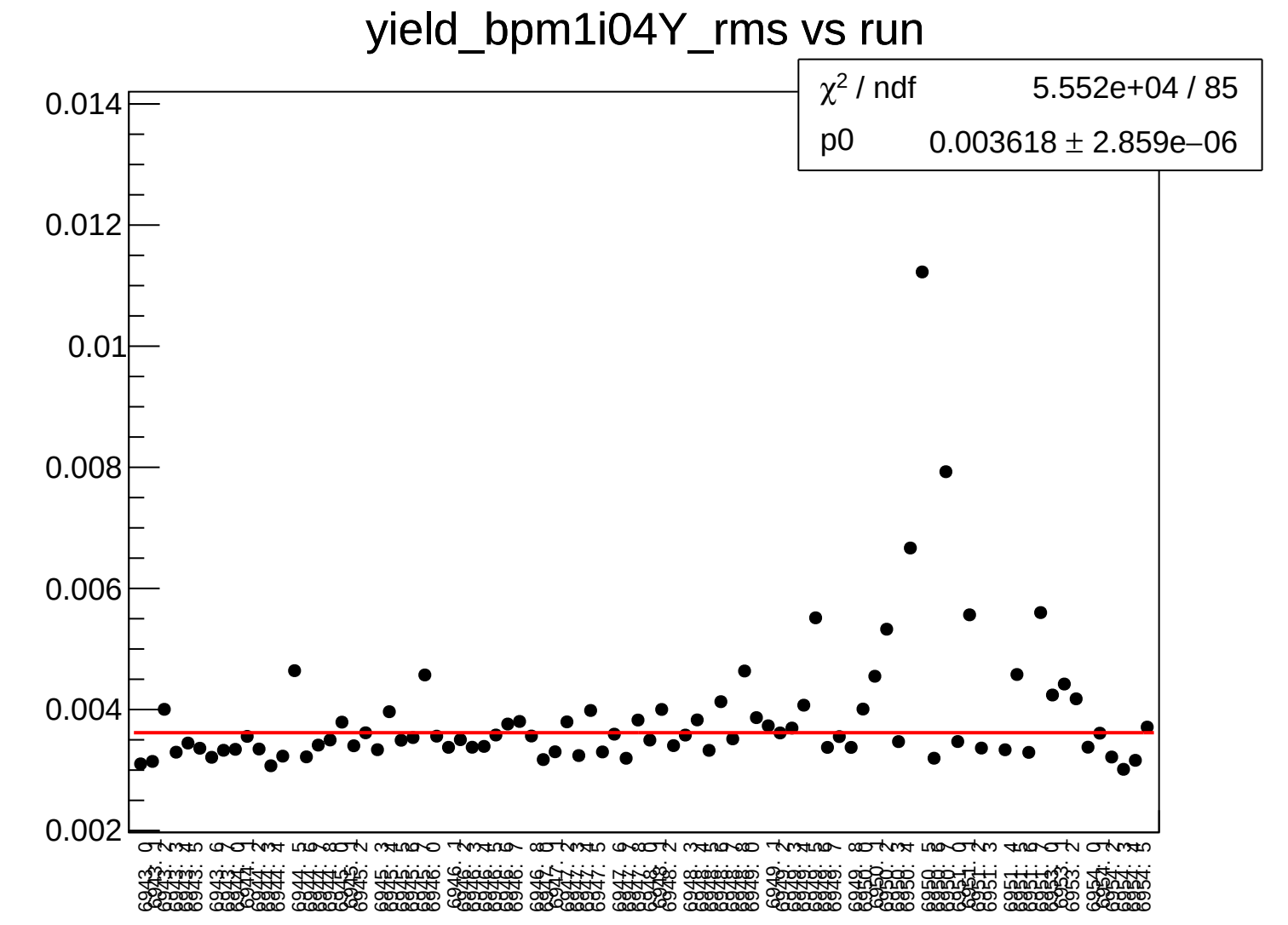

yield_bpm1i04X_mean vs run
χ² / ndf 4.442e+06 / 85
p0 1.062 ± 7.246e−06
1.1
1.09
1.08
1.07
1.06
1.05
1.04
pull
Entries 86
Mean −646.7
Std Dev 0
600
400
200
0
−200

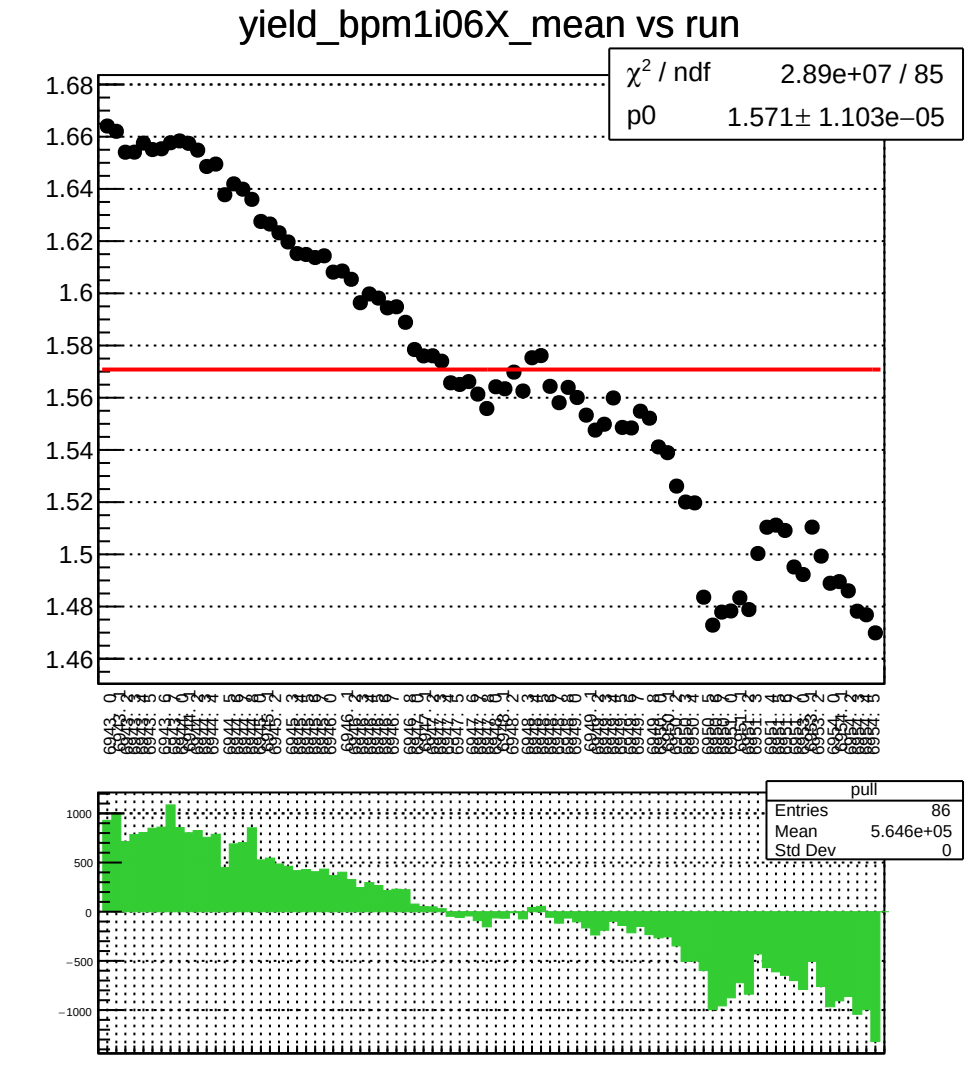

pull1D
Entries 86
Mean −0.902
Std Dev 1.671
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

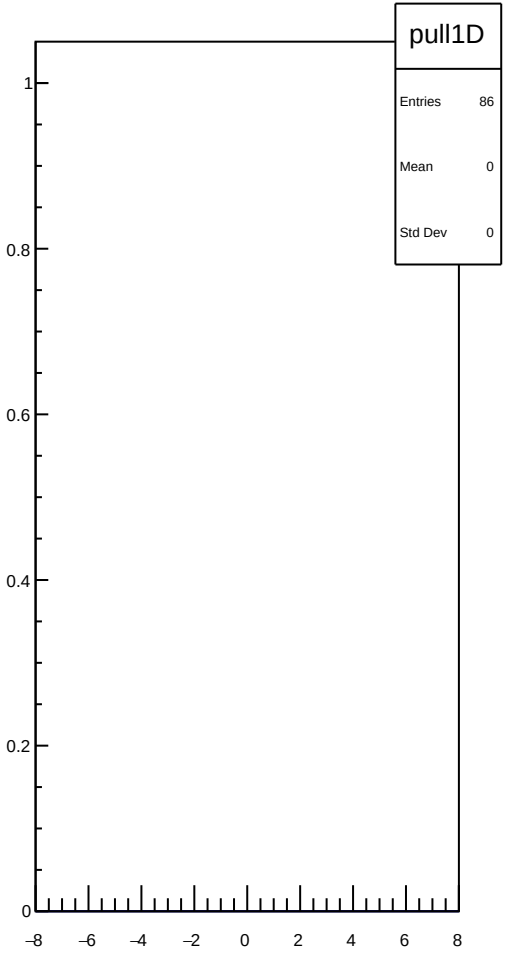

yield_bpm1i04X_rms vs run
χ² / ndf 1.285e+04 / 85
p0 0.006568 ± 5.124e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005

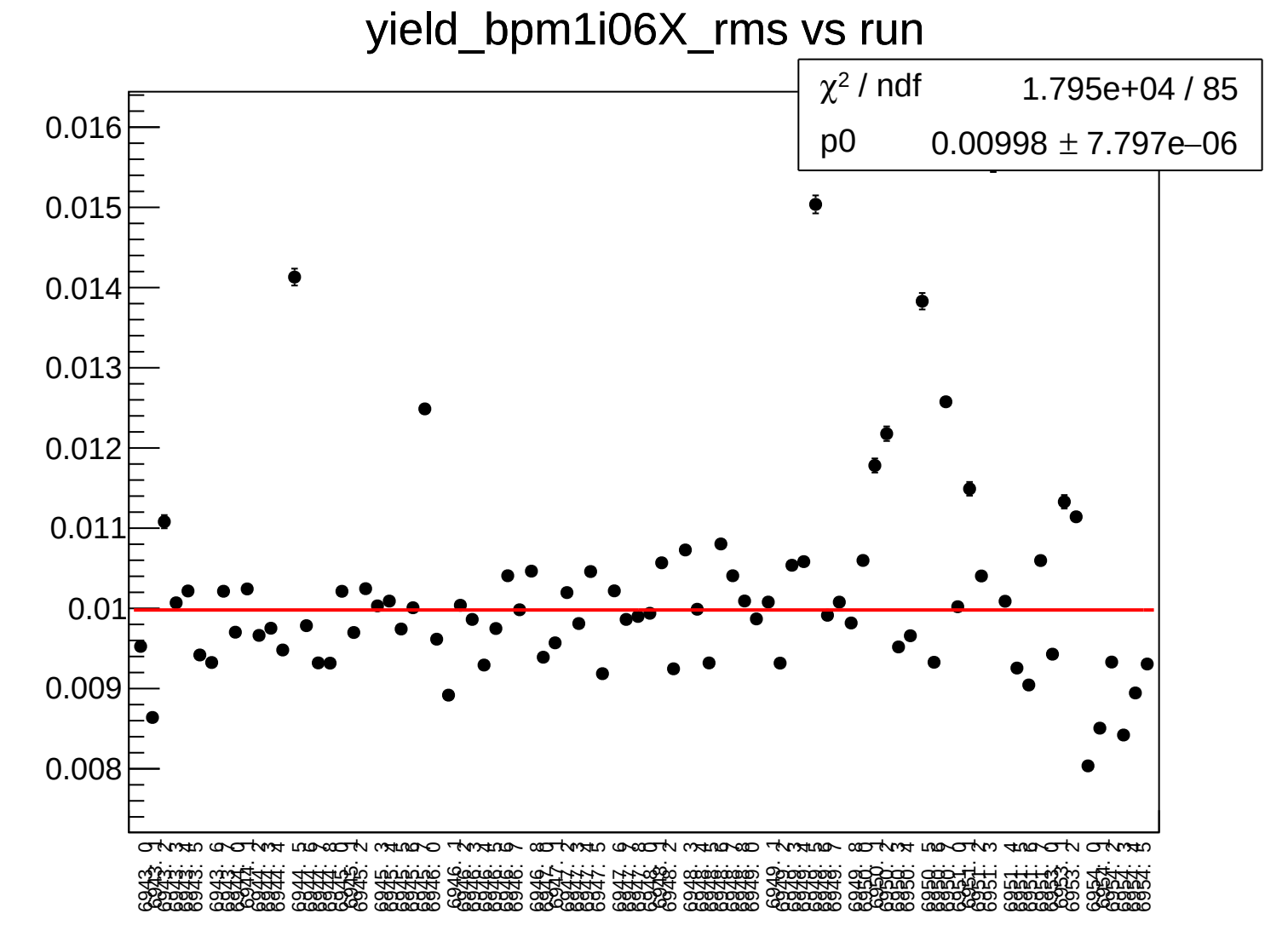

yield_bpm1i04Y_mean vs run
χ² / ndf 1.17e+08 / 85
p0 0.4654 ± 4.044e−06
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 86
Mean 788.9
Std Dev 0
2000
1000
0
−1000
−2000
−3000

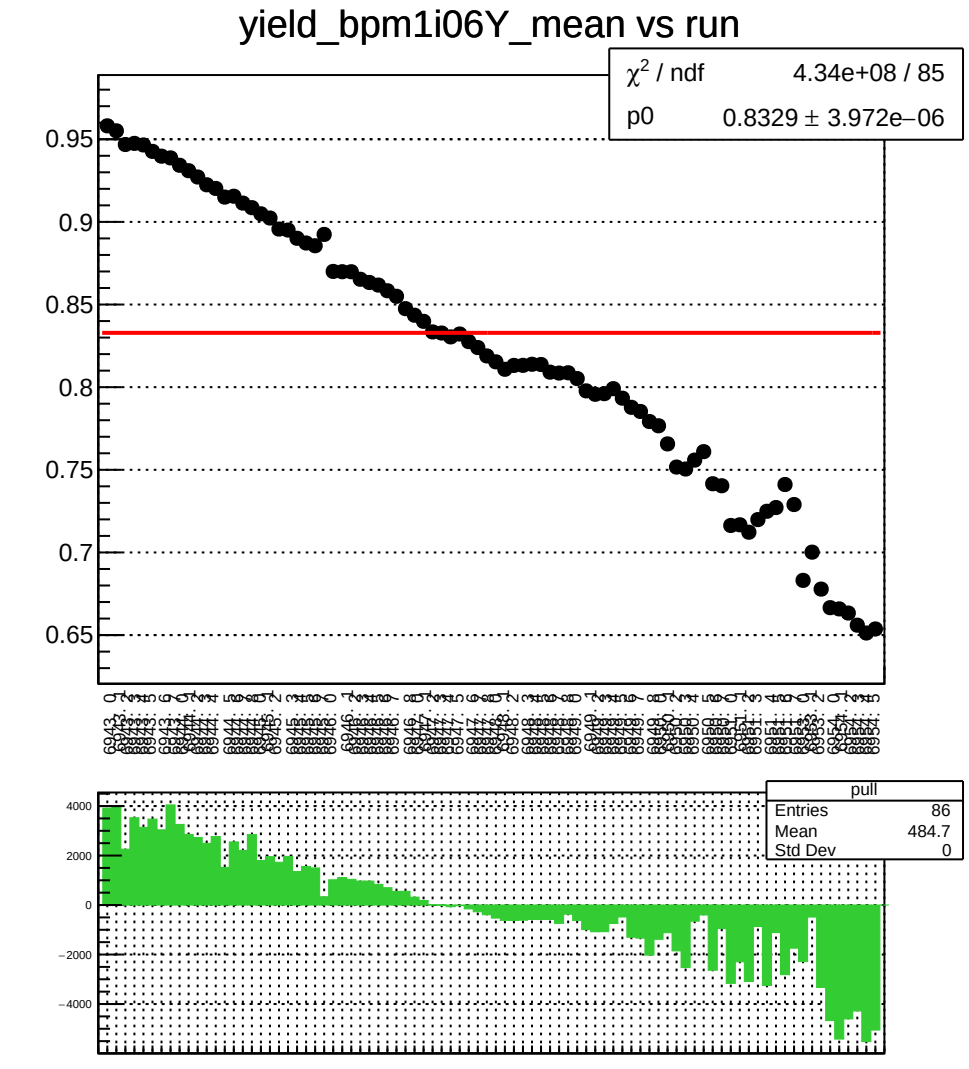

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

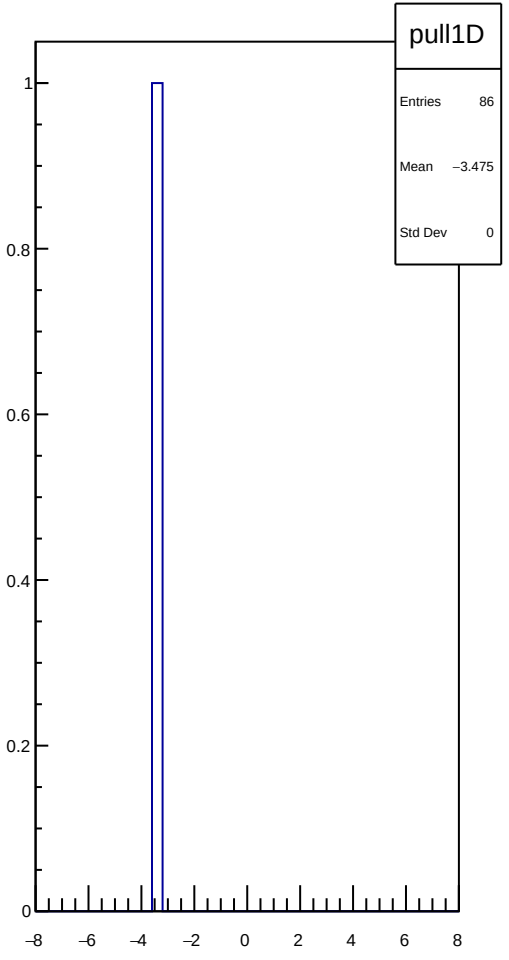

yield_bpm1i04Y_rms vs run
χ^2 / ndf 5.552e+04 / 85
p0 0.003618 ± 2.859e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

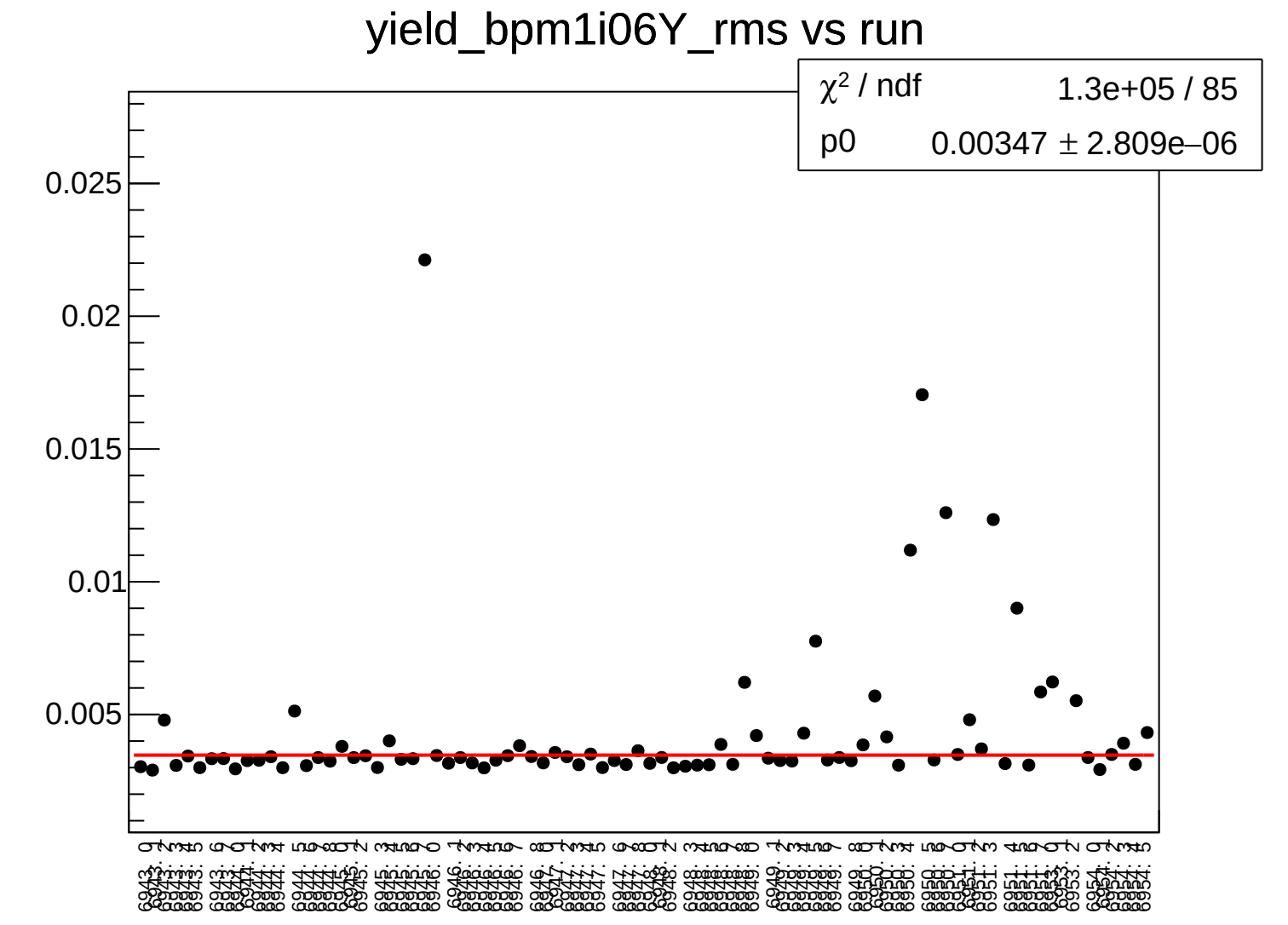

yield_bpm1i06X_mean vs run
χ² / ndf 2.89e+07 / 85
p0 1.571± 1.103e−05
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
pull
Entries 86
Mean 5.646e+05
Std Dev 0
1000
500
0
−500
−1000

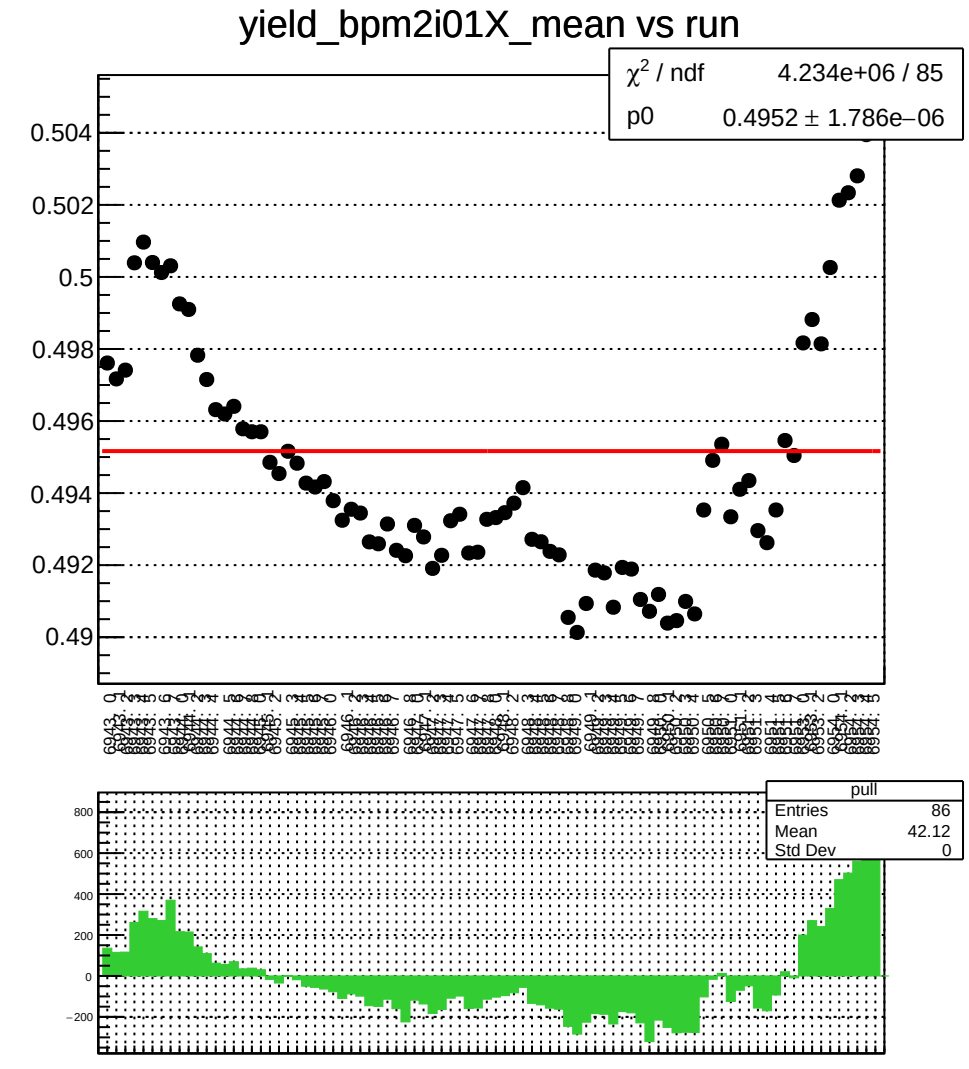

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

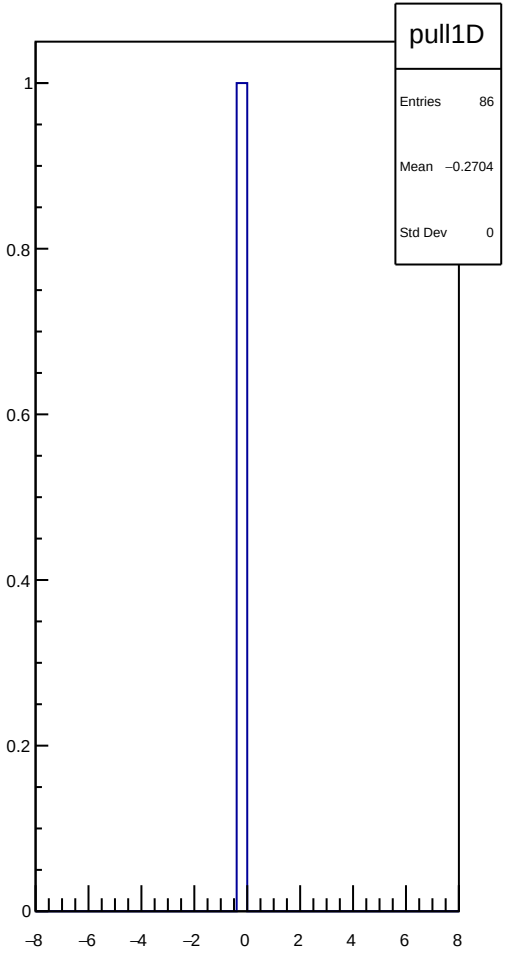

yield_bpm1i06X_rms vs run
χ² / ndf 1.795e+04 / 85
p0 0.00998 ± 7.797e–06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

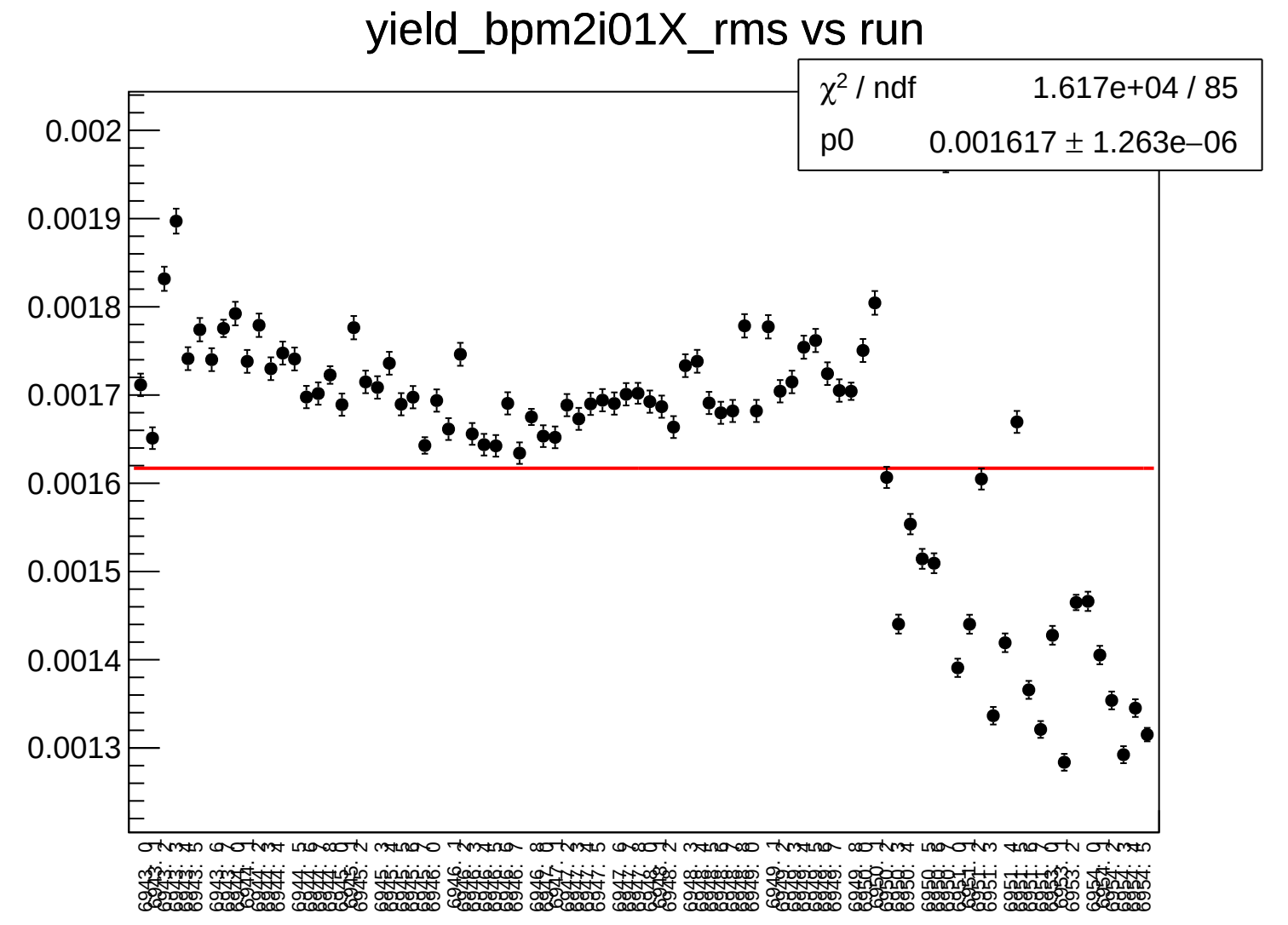

yield_bpm1i06Y_mean vs run
χ² / ndf 4.34e+08 / 85
p0 0.8329 ± 3.972e−06
0.95
0.9
0.85
0.8
0.75
0.7
0.65
pull
Entries 86
Mean 484.7
Std Dev 0
4000
2000
0
−2000
−4000

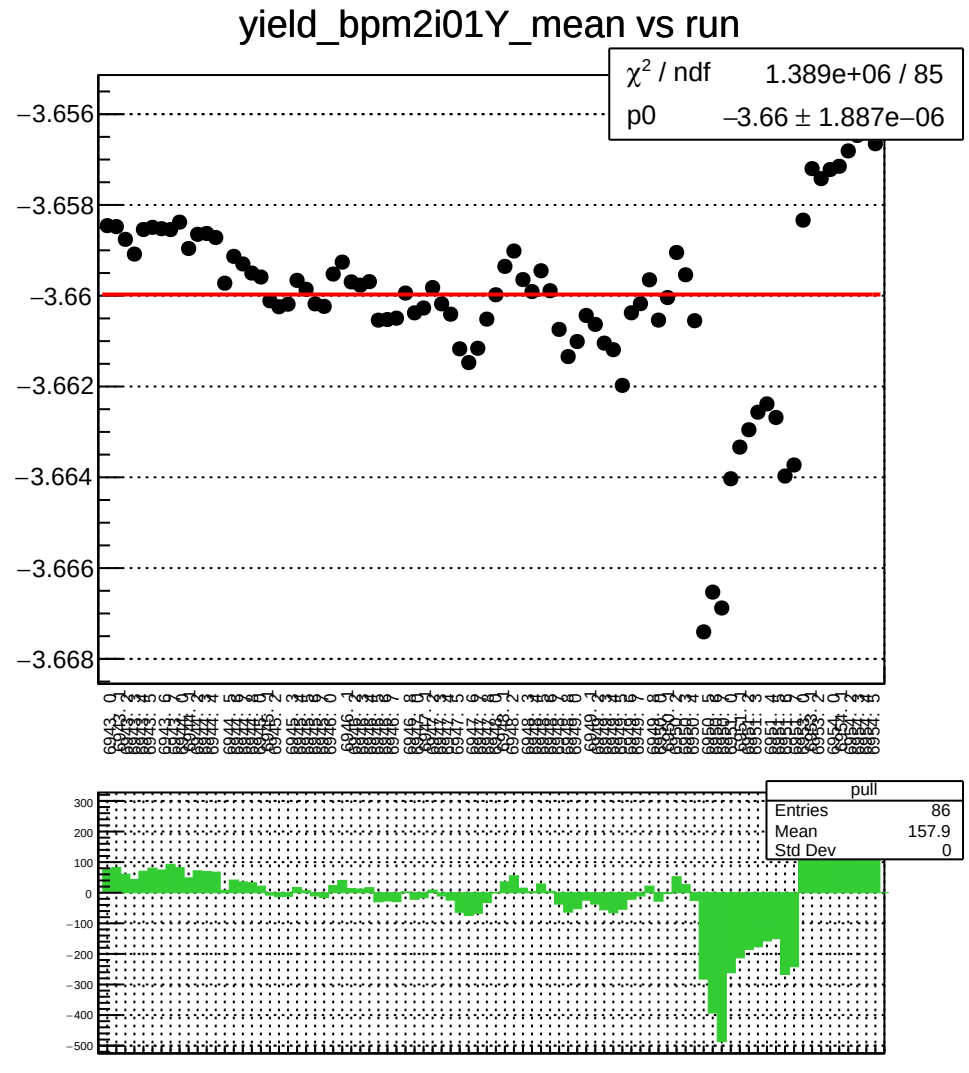

pull1D
Entries 86
Mean −3.475
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

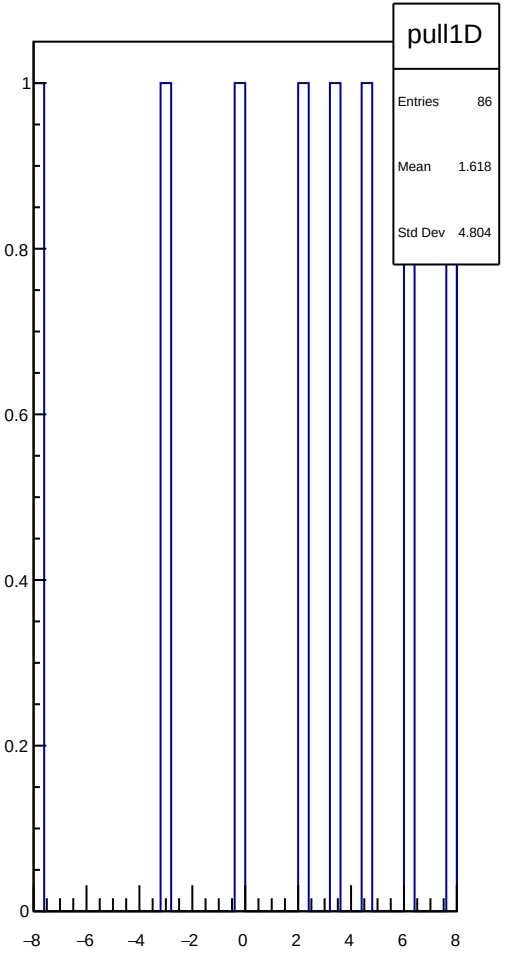

yield_bpm1i06Y_rms vs run
χ² / ndf 1.3e+05 / 85
p0 0.00347 ± 2.809e–06
0.025
0.02
0.015
0.01
0.005

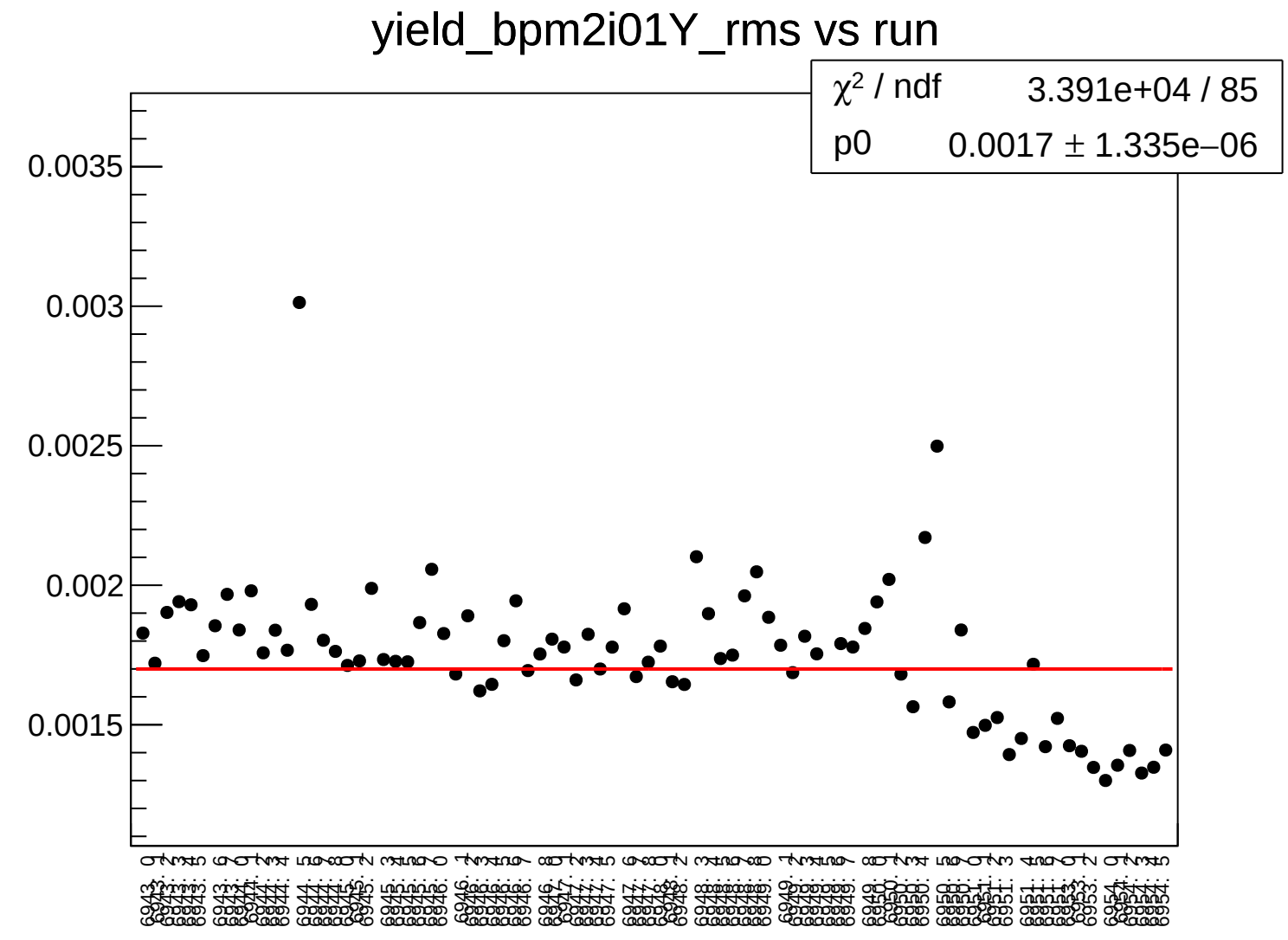

yield_bpm2i01X_mean vs run
χ² / ndf 4.234e+06 / 85
p0 0.4952 ± 1.786e−06
0.504
0.502
0.5
0.498
0.496
0.494
0.492
0.49
pull
Entries 86
Mean 42.12
Std Dev 0
800
600
400
200
0
−200

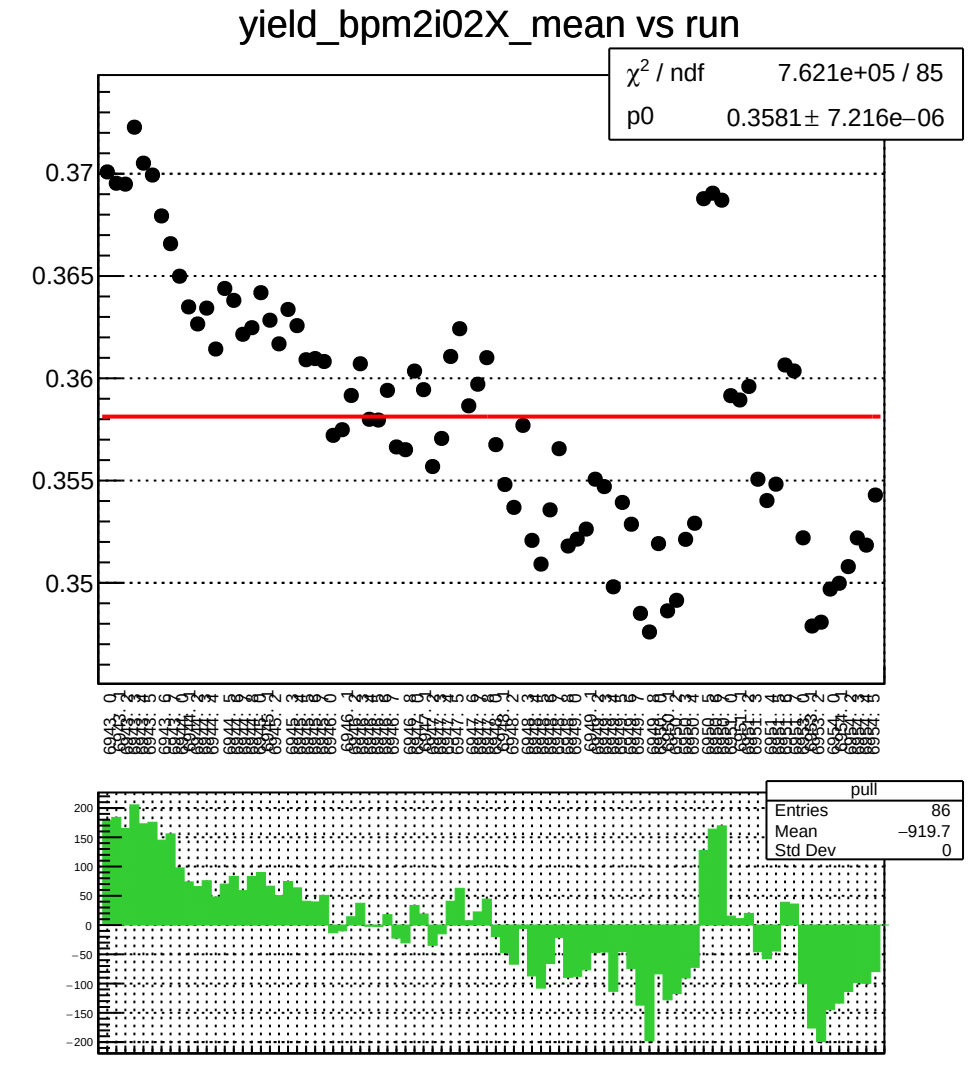

pull1D
Entries 86
Mean −0.2704
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

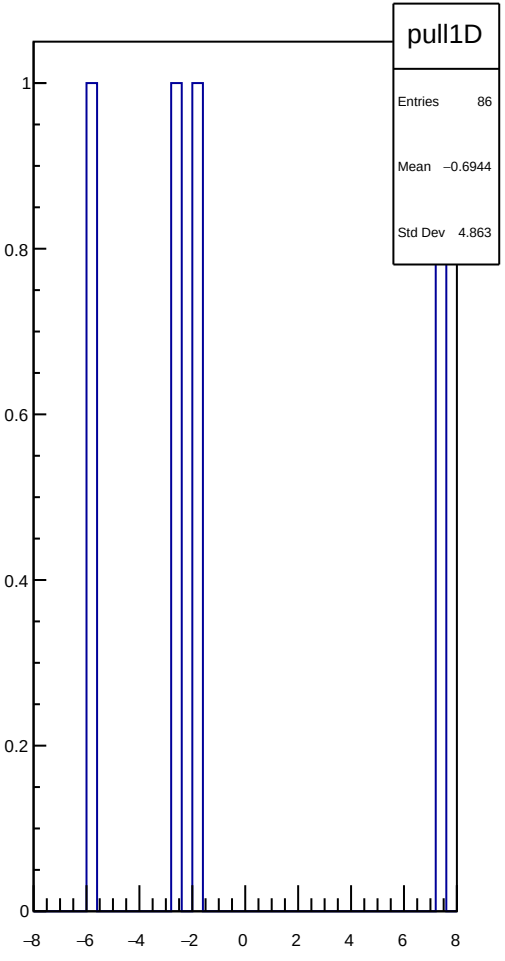

yield_bpm2i01X_rms vs run
χ² / ndf 1.617e+04 / 85
p0 0.001617 ± 1.263e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

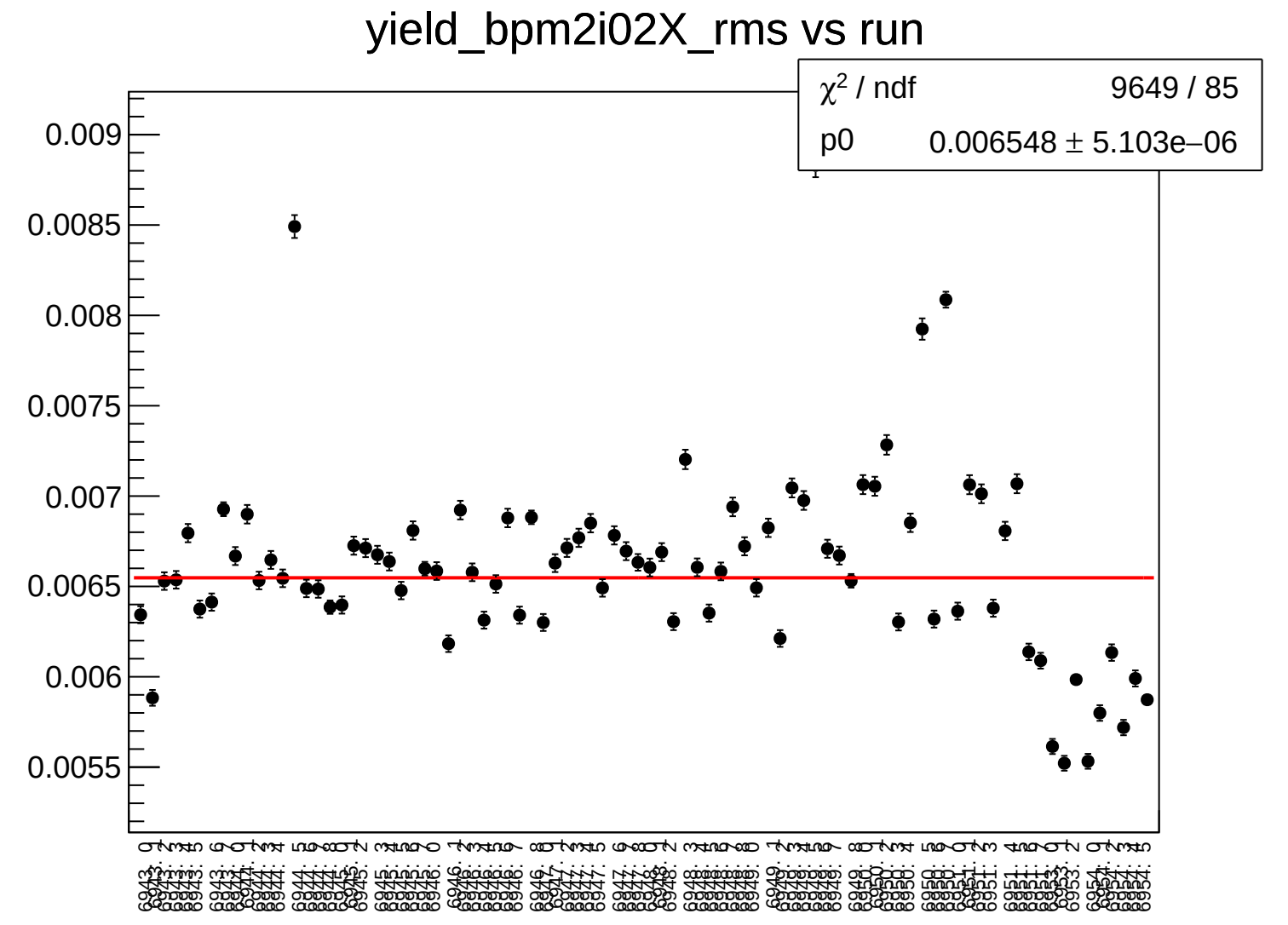

yield_bpm2i01Y_mean vs run
χ² / ndf 1.389e+06 / 85
p0 −3.66 ± 1.887e−06
−3.656
−3.658
−3.66
−3.662
−3.664
−3.666
−3.668
pull
Entries 86
Mean 157.9
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

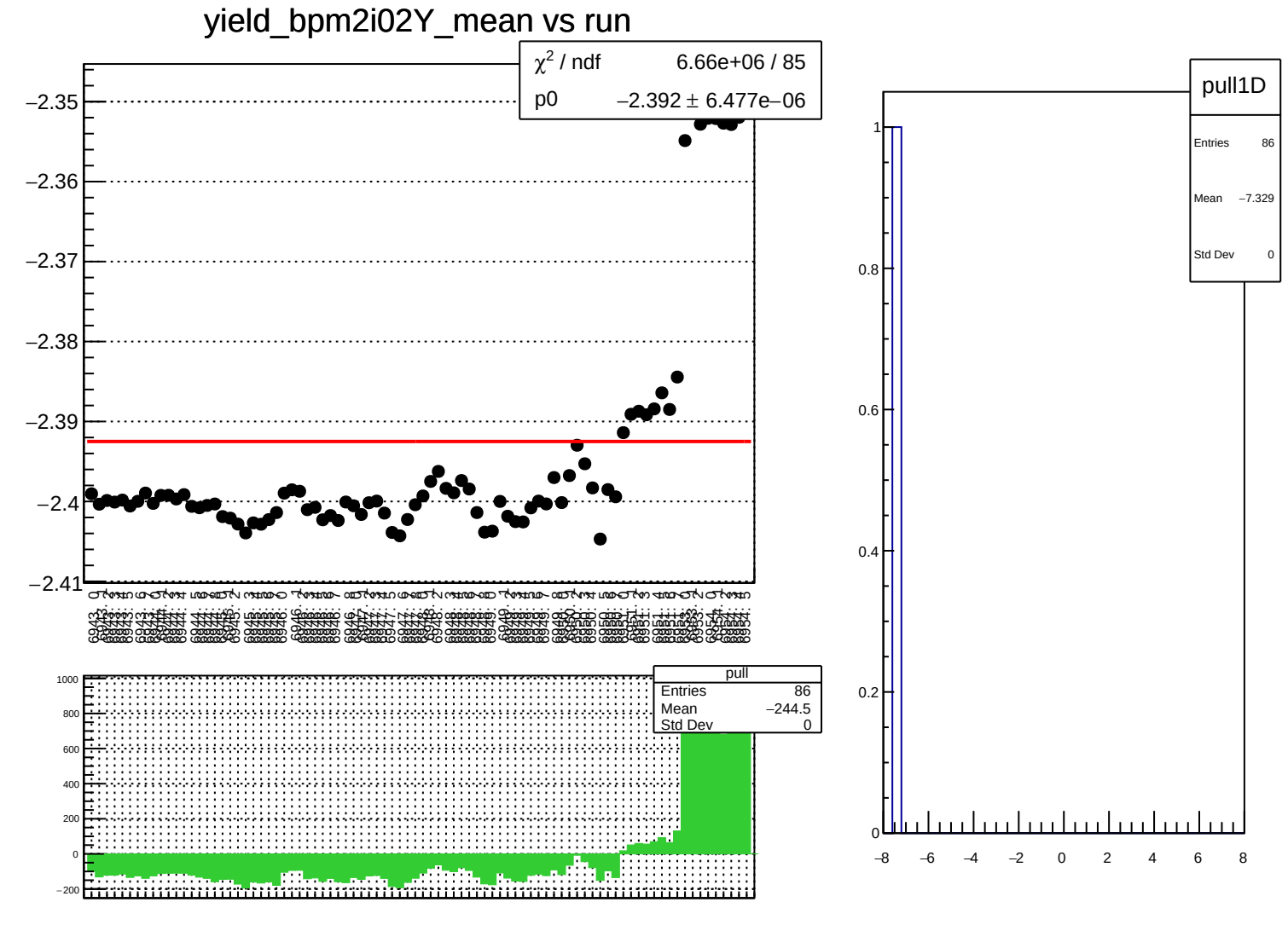

pull1D
Entries 86
Mean 1.618
Std Dev 4.804
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

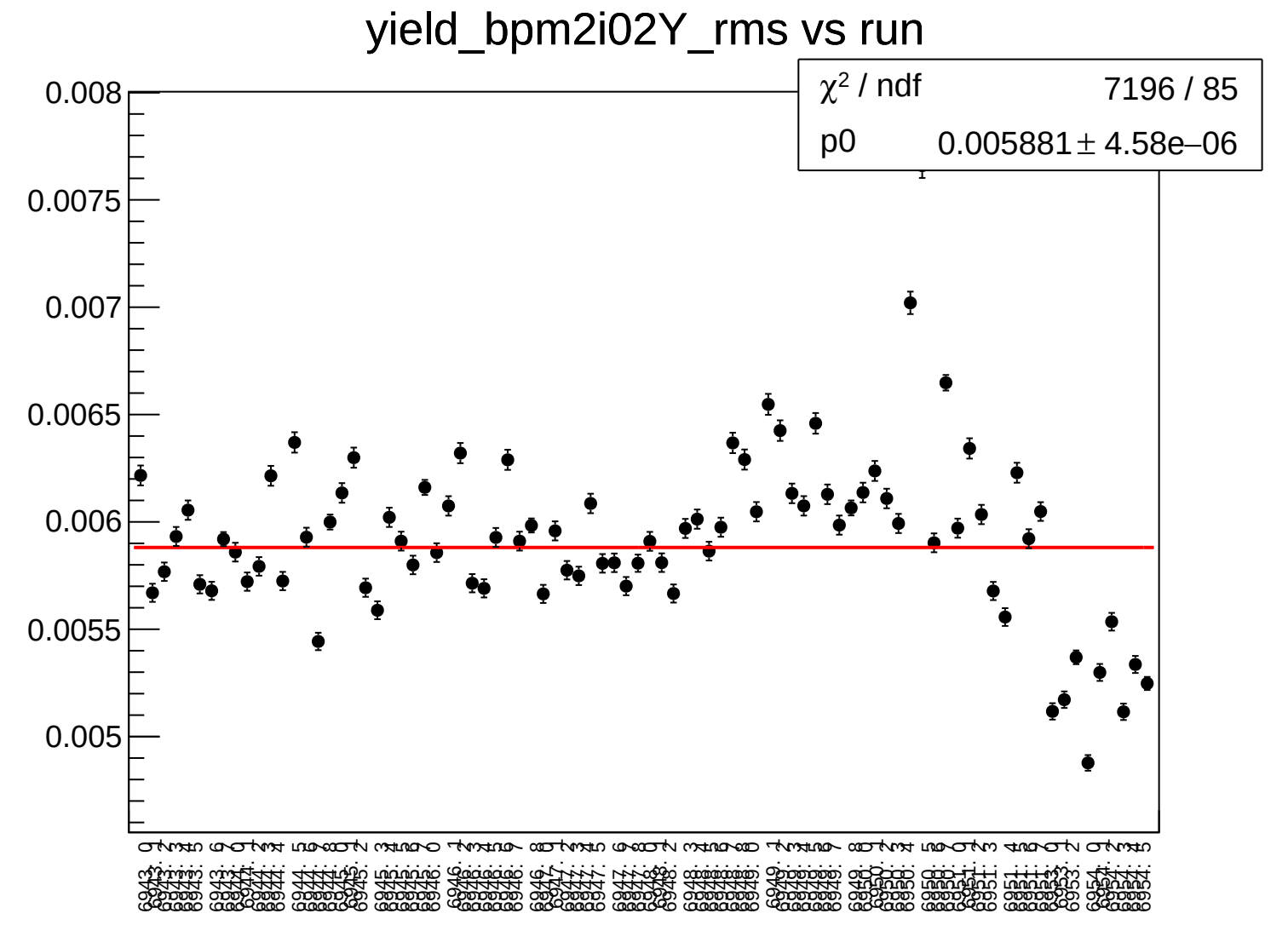

yield_bpm2i01Y_rms vs run
χ² / ndf 3.391e+04 / 85
p0 0.0017 ± 1.335e−06
0.0035
0.003
0.0025
0.002
0.0015

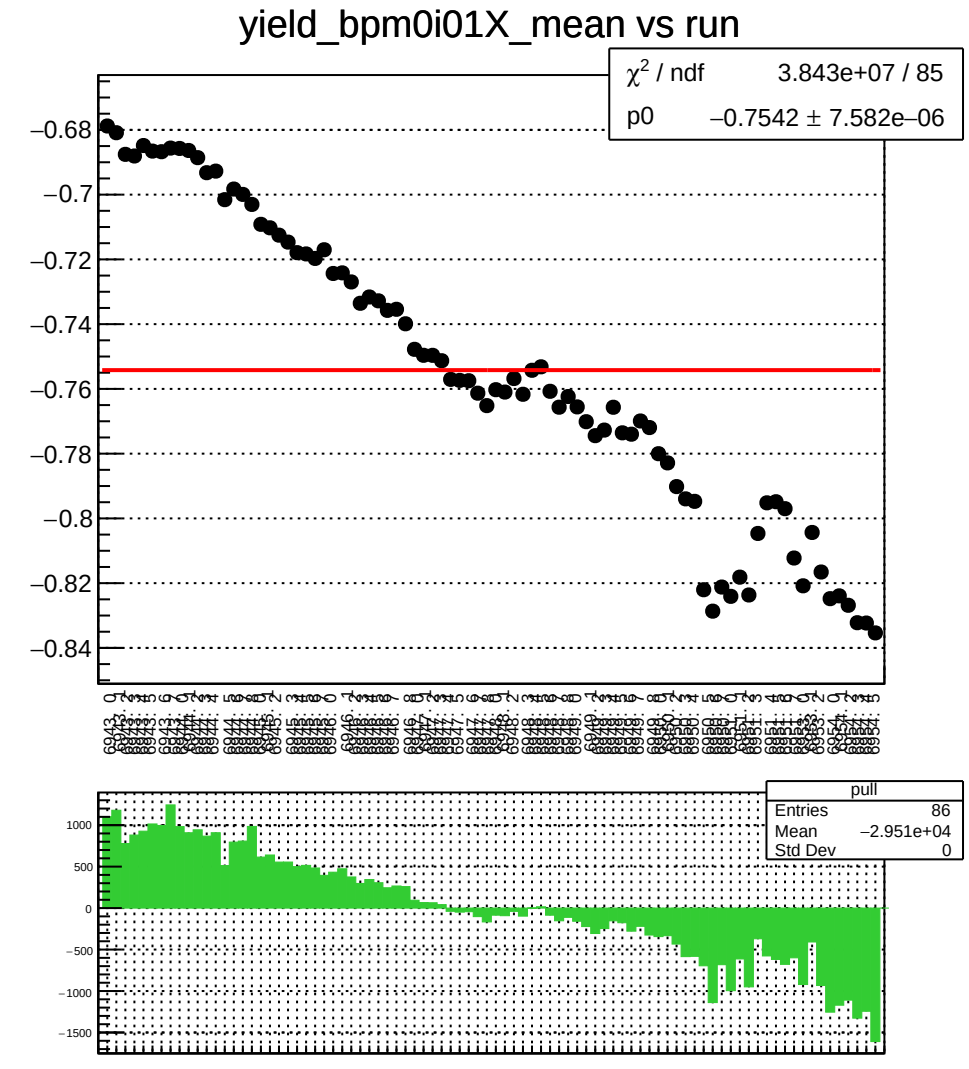

yield_bpm2i02X_mean vs run
χ² / ndf 7.621e+05 / 85
p0 0.3581 ± 7.216e−06
0.37
0.365
0.36
0.355
0.35
pull
Entries 86
Mean −919.7
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

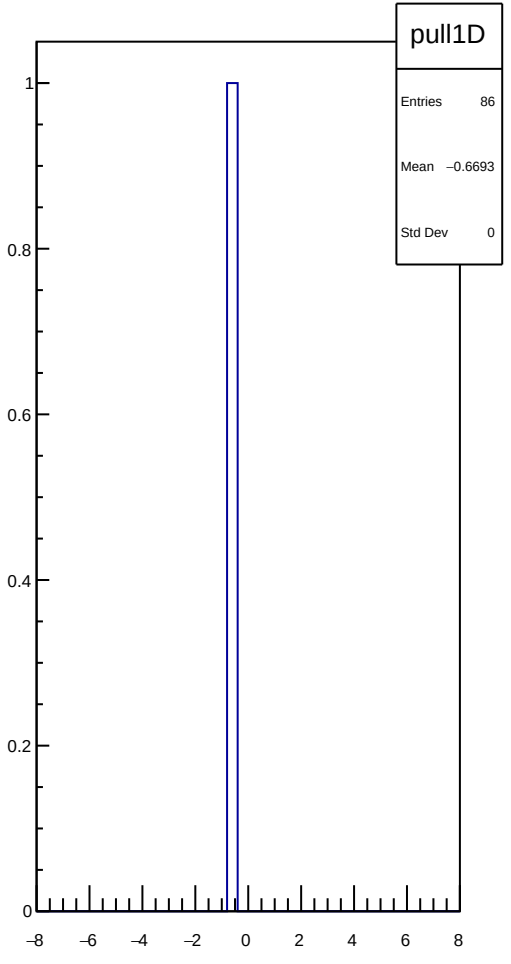

pull1D
Entries 86
Mean −0.6944
Std Dev 4.863
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

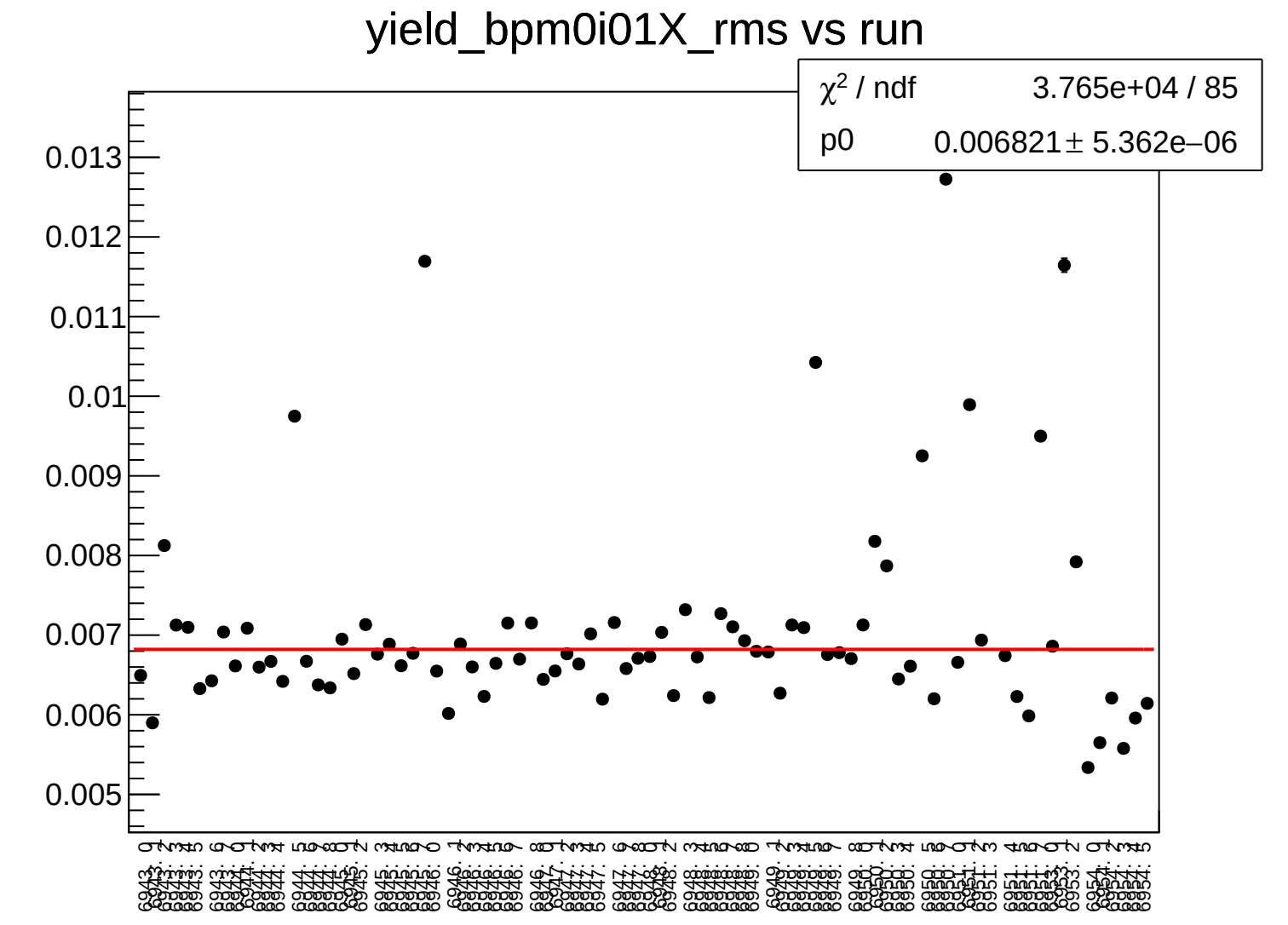

yield_bpm2i02X_rms vs run
χ² / ndf 9649 / 85
p0 0.006548 ± 5.103e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

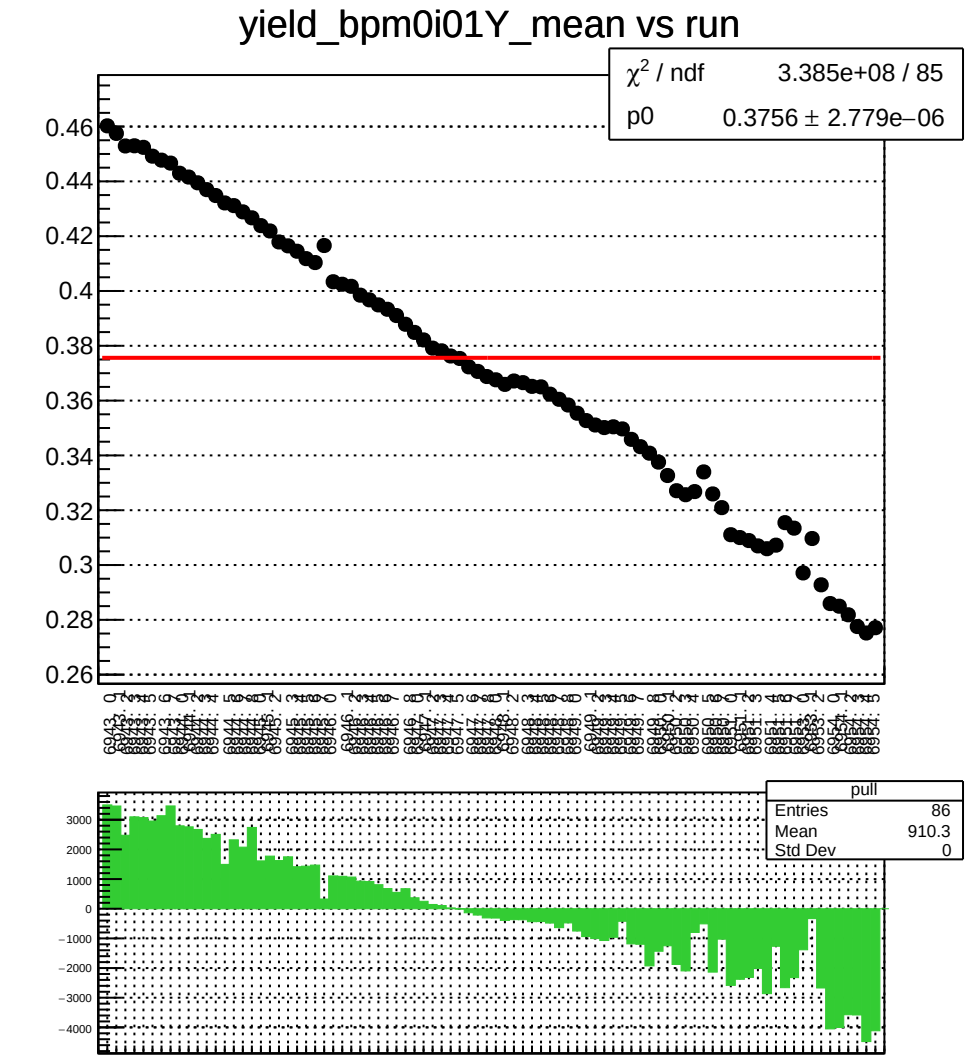

yield_bpm2i02Y_mean vs run
χ² / ndf 6.66e+06 / 85
p0 −2.392 ± 6.477e−06
−2.35
−2.36
−2.37
−2.38
−2.39
−2.4
−2.41
pull
Entries 86
Mean −244.5
Std Dev 0
1000
800
600
400
200
0
−200
pull1D
Entries 86
Mean −7.329
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

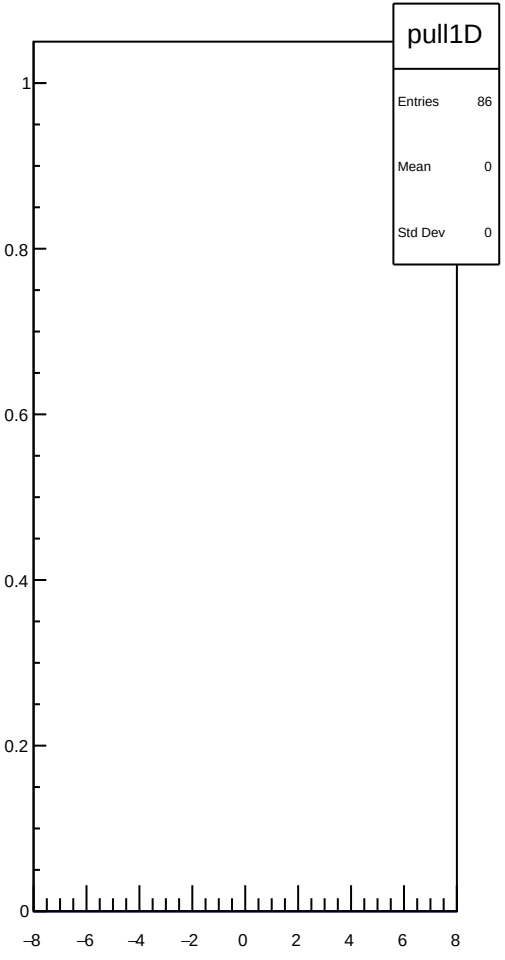

yield_bpm2i02Y_rms vs run
χ² / ndf 7196 / 85
p0 0.005881 ± 4.58e–06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005

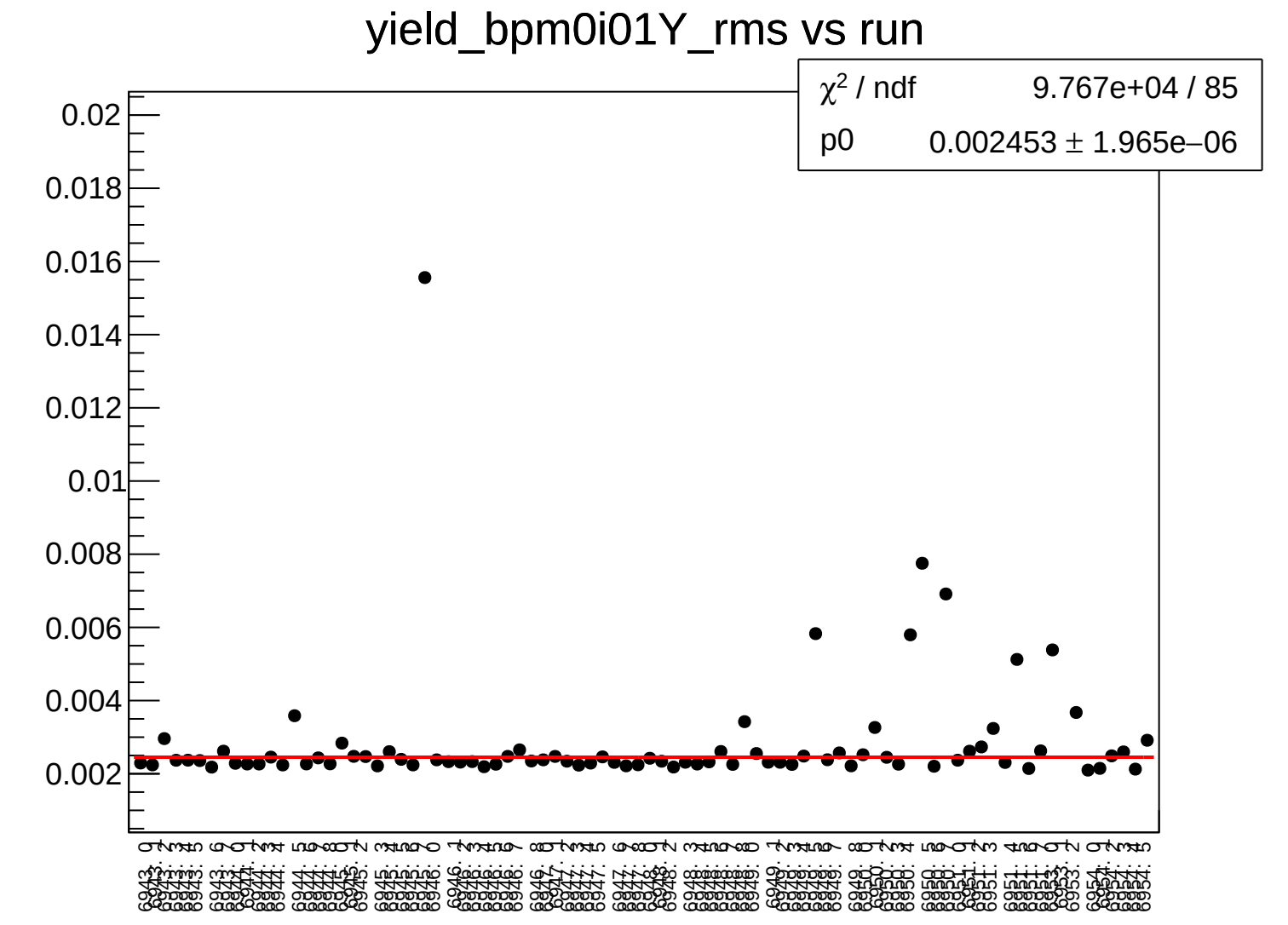

yield_bpm0i01X_mean vs run
χ² / ndf 3.843e+07 / 85
p0 −0.7542 ± 7.582e−06
pull
Entries 86
Mean −2.951e+04
Std Dev 0

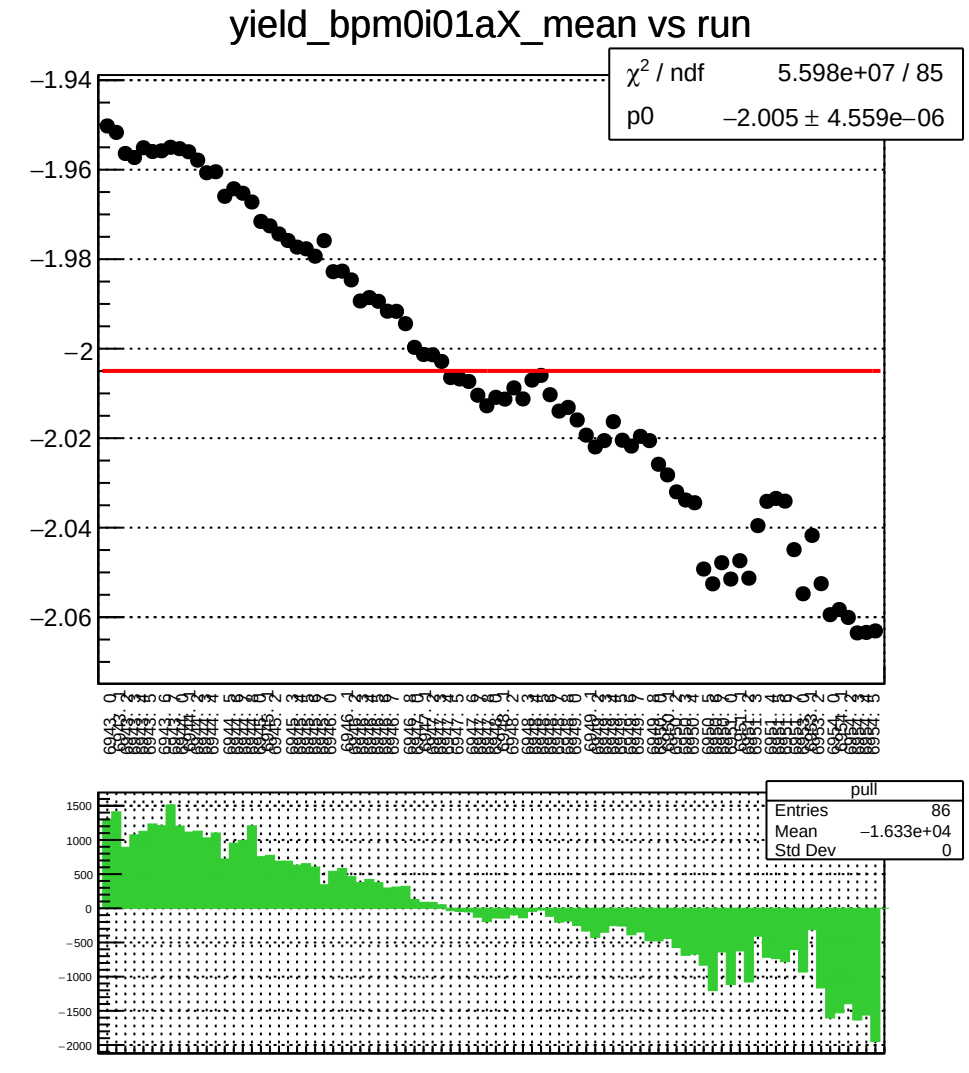

pull1D
Entries 86
Mean −0.6693
Std Dev 0

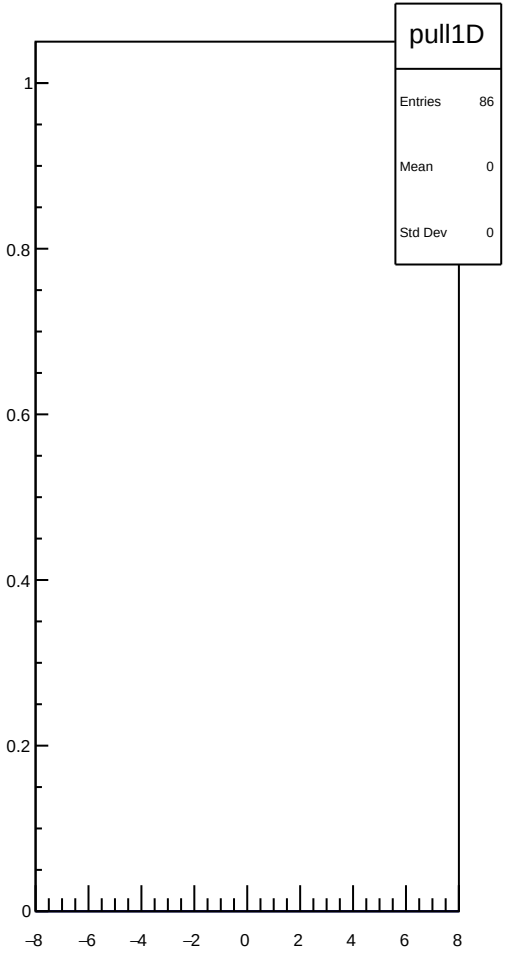

yield_bpm0i01X_rms vs run
χ² / ndf 3.765e+04 / 85
p0 0.006821 ± 5.362e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

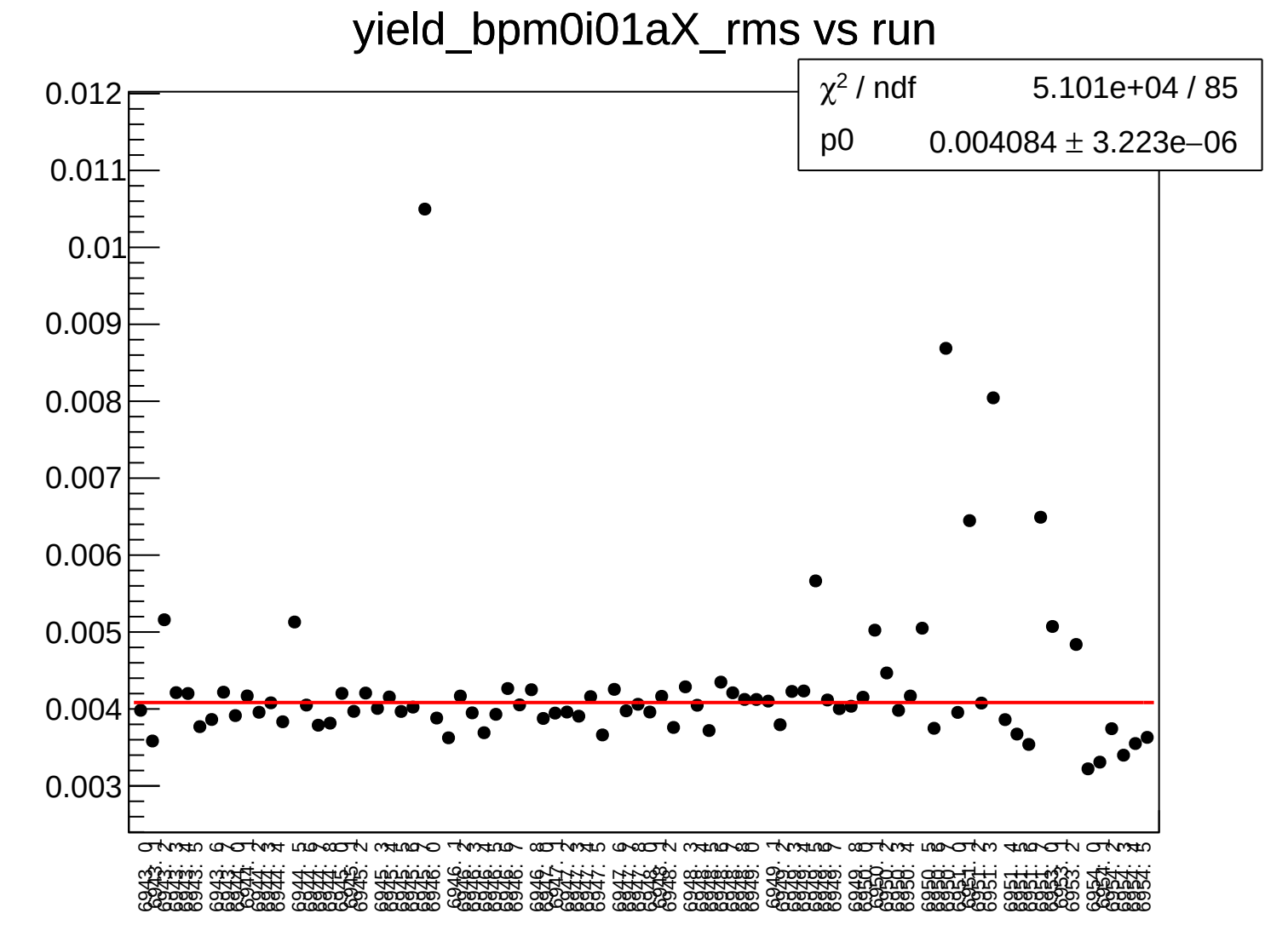

yield_bpm0i01Y_mean vs run
χ² / ndf 3.385e+08 / 85
p0 0.3756 ± 2.779e−06
pull
Entries 86
Mean 910.3
Std Dev 0

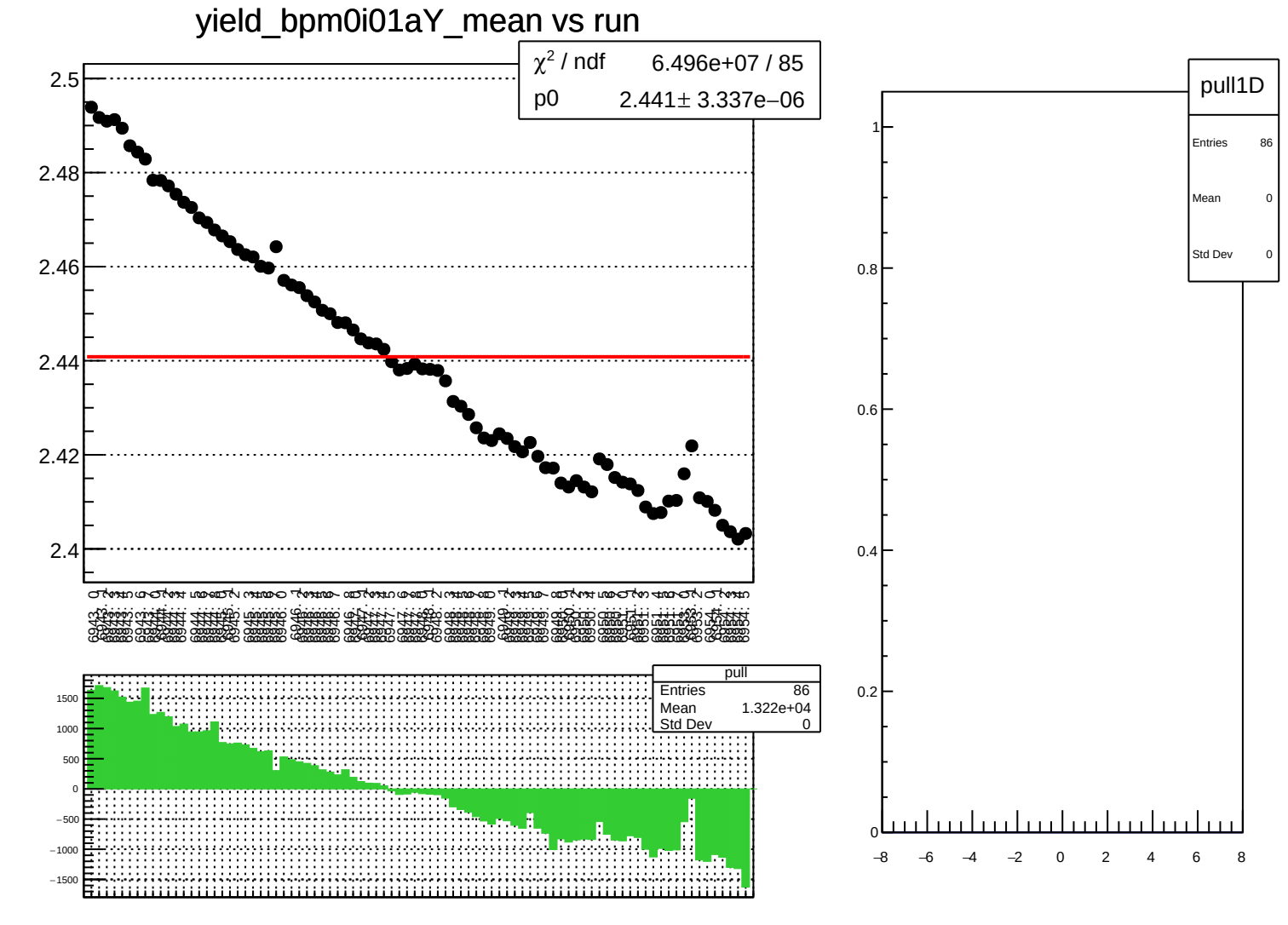

pull1D
Entries 86
Mean 0
Std Dev 0

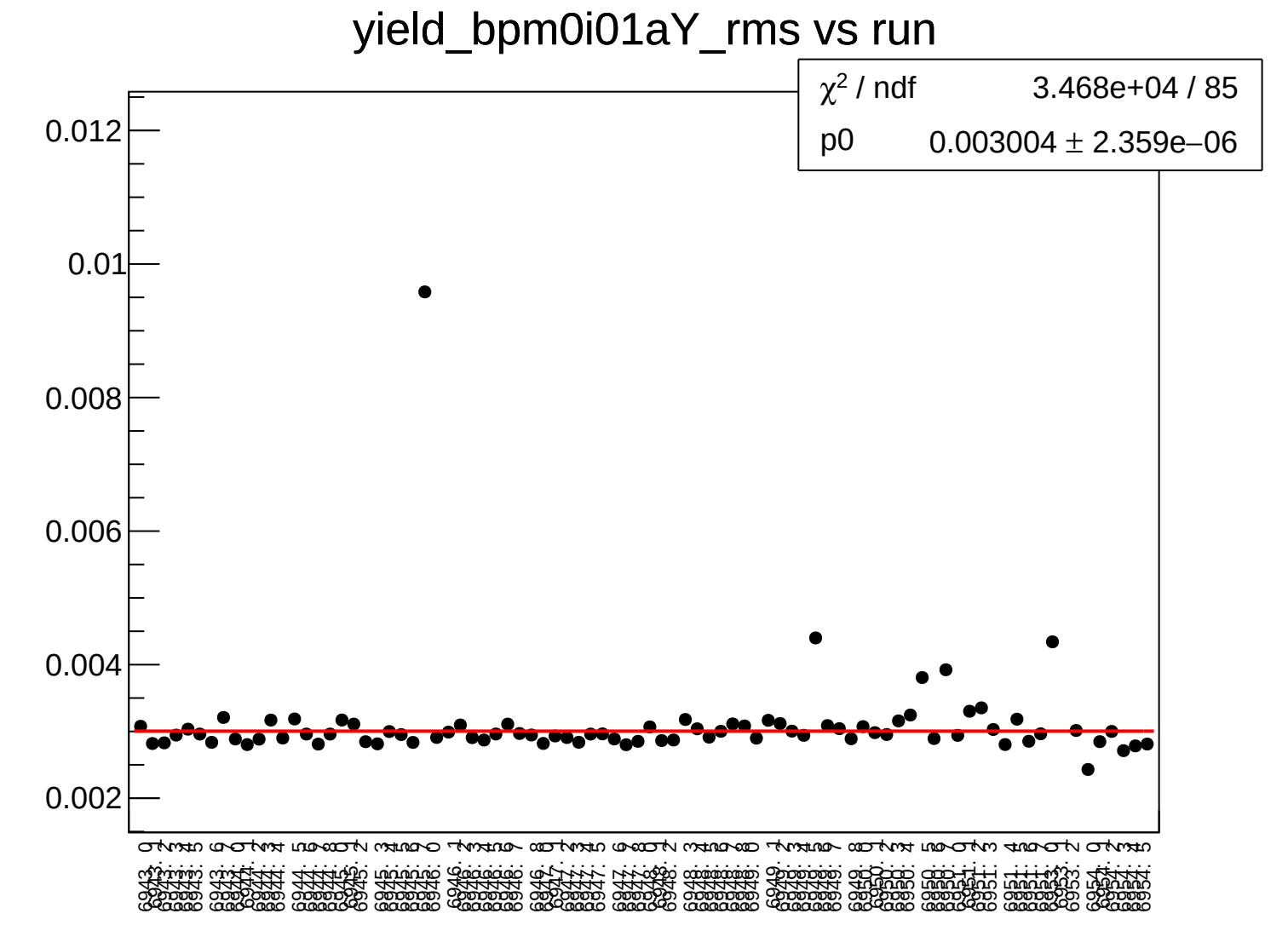

yield_bpm0i01Y_rms vs run
χ^2 / ndf 9.767e+04 / 85
p0 0.002453 ± 1.965e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

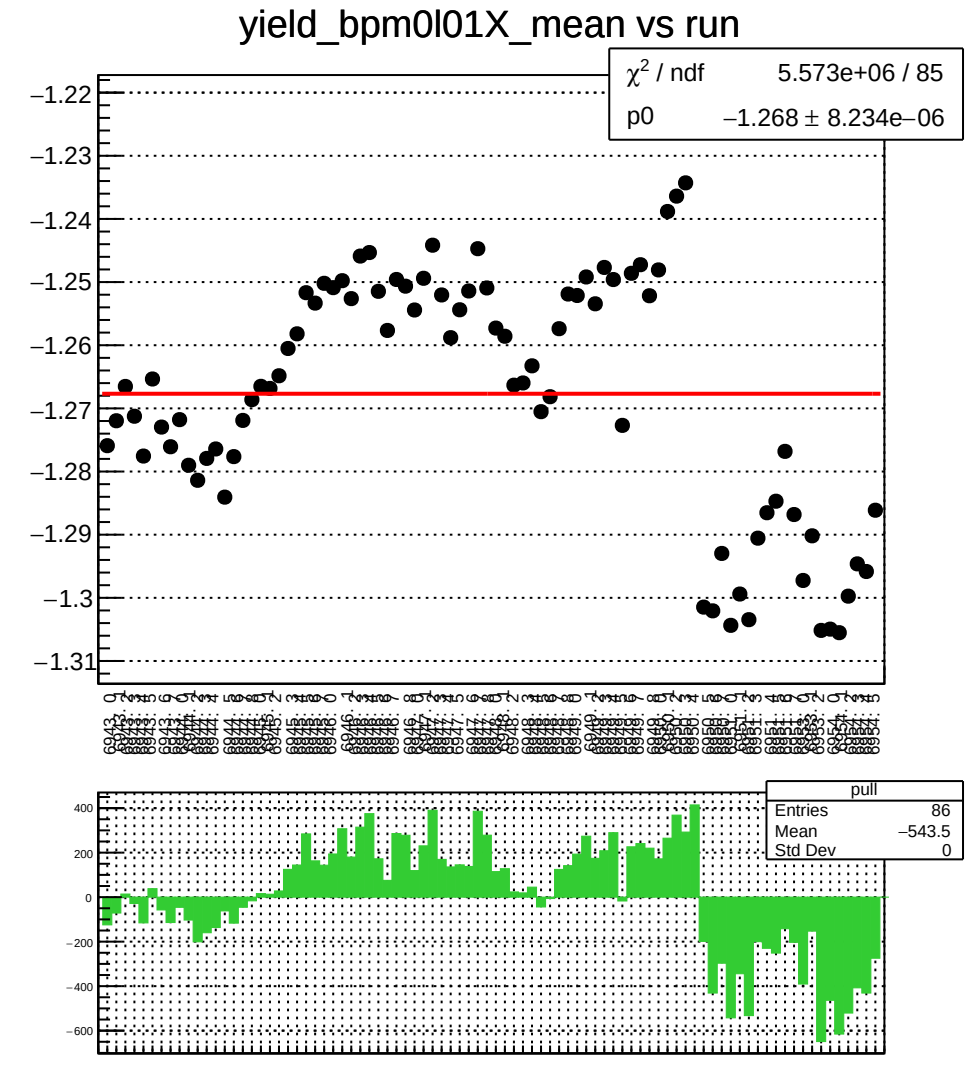

yield_bpm0i01aX_mean vs run
χ² / ndf 5.598e+07 / 85
p0 −2.005 ± 4.559e−06
−1.94
−1.96
−1.98
−2
−2.02
−2.04
−2.06
pull
Entries 86
Mean −1.633e+04
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000

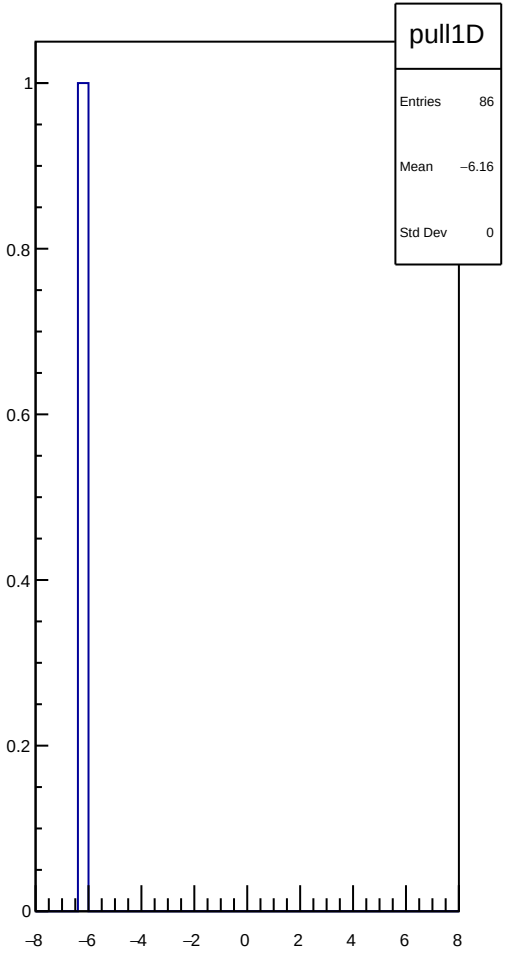

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

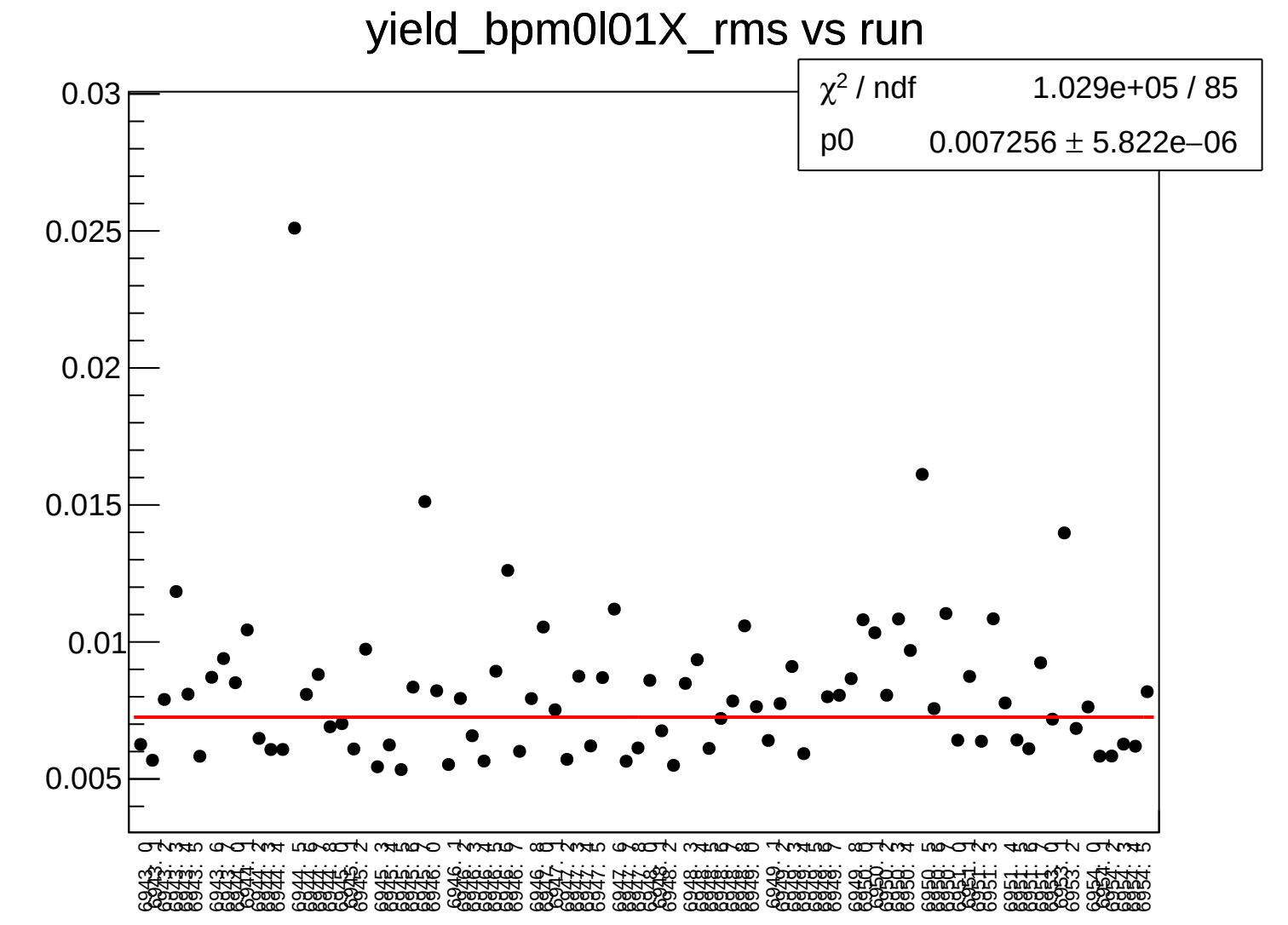

yield_bpm0i01aX_rms vs run
χ² / ndf 5.101e+04 / 85
p0 0.004084 ± 3.223e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

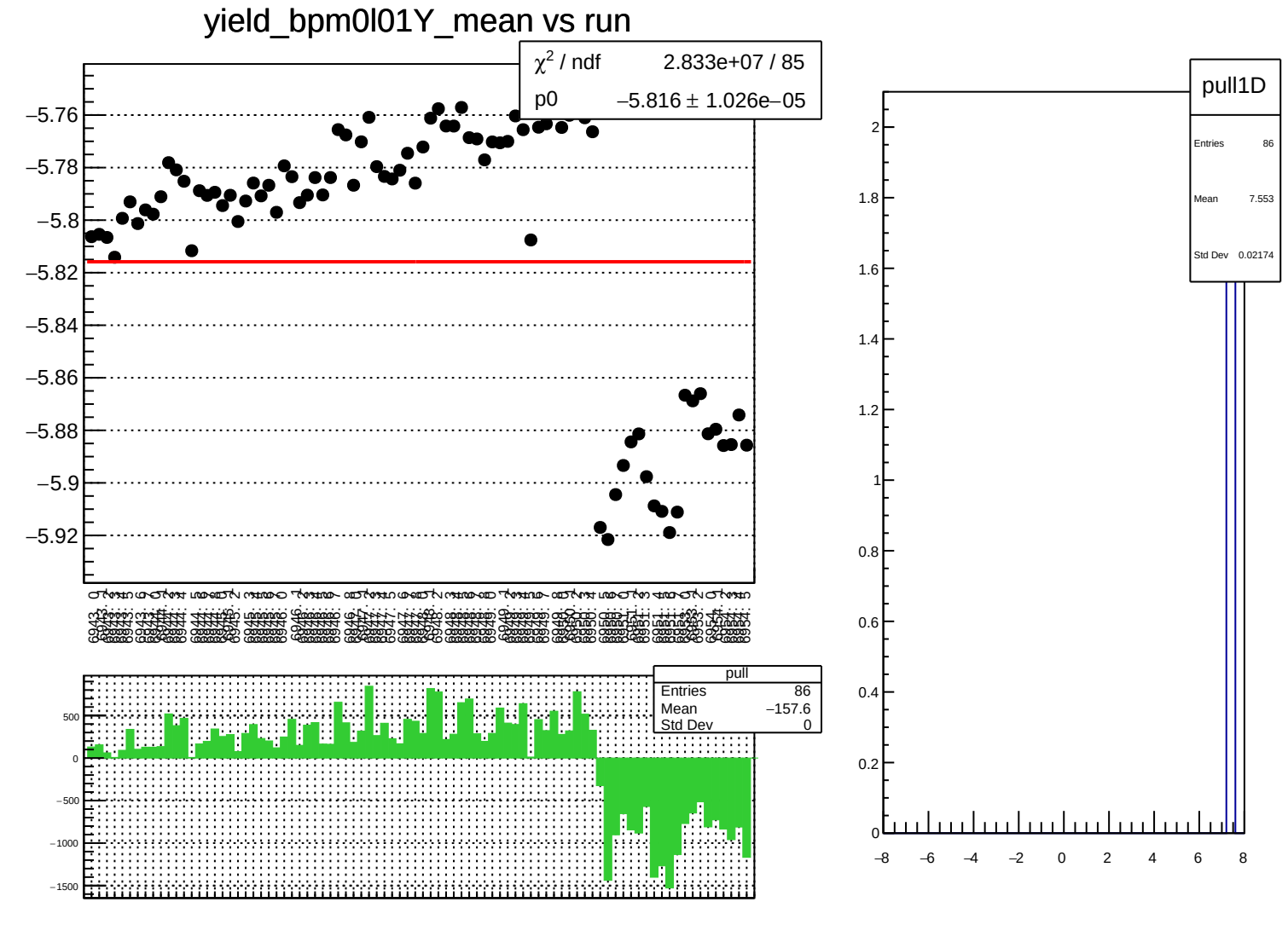

yield_bpm0i01aY_mean vs run
χ² / ndf 6.496e+07 / 85
p0 2.441± 3.337e−06
2.5
2.48
2.46
2.44
2.42
2.4
pull
Entries 86
Mean 1.322e+04
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

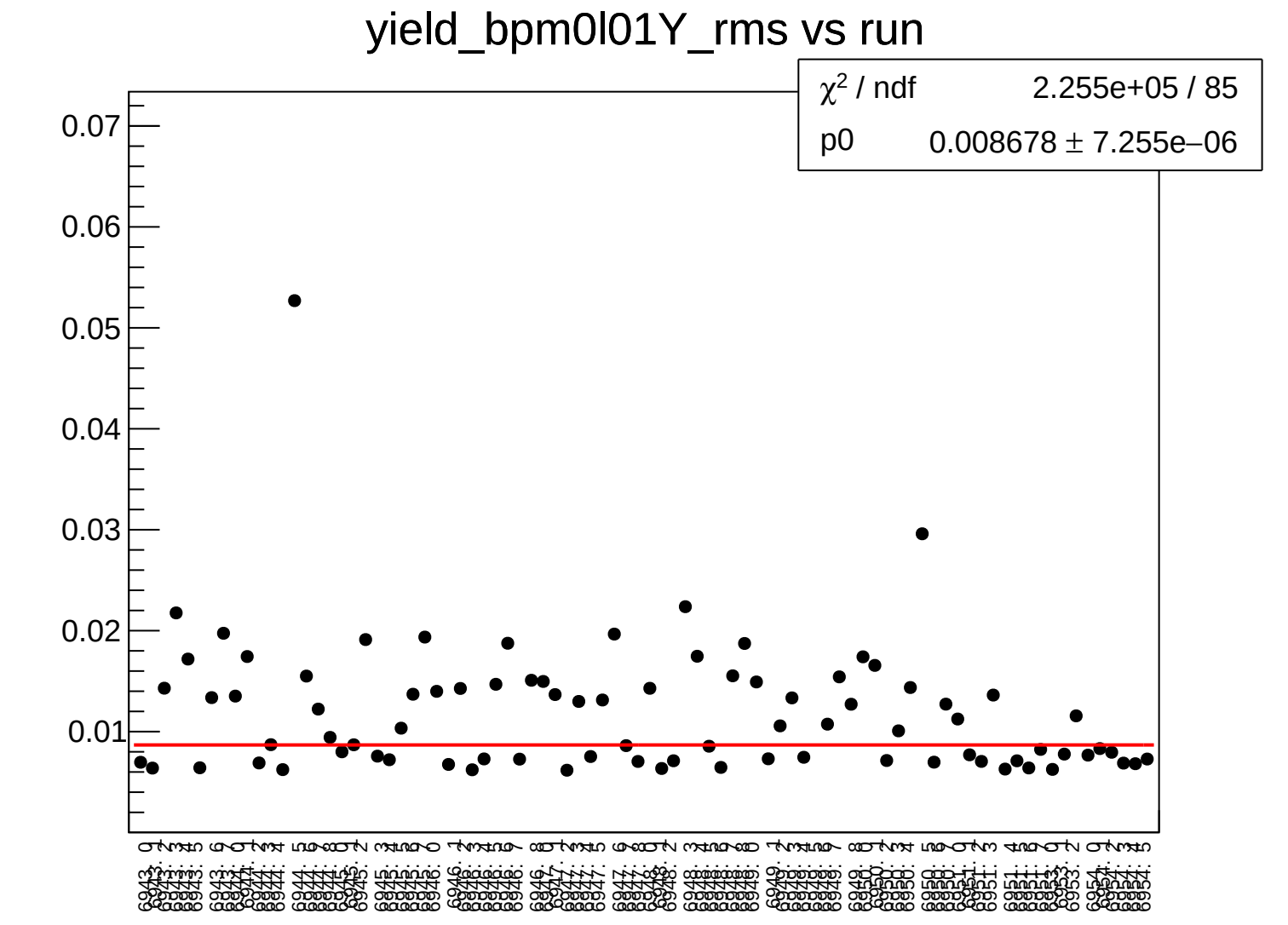

yield_bpm0i01aY_rms vs run
χ² / ndf 3.468e+04 / 85
p0 0.003004 ± 2.359e−06
0.012
0.01
0.008
0.006
0.004
0.002

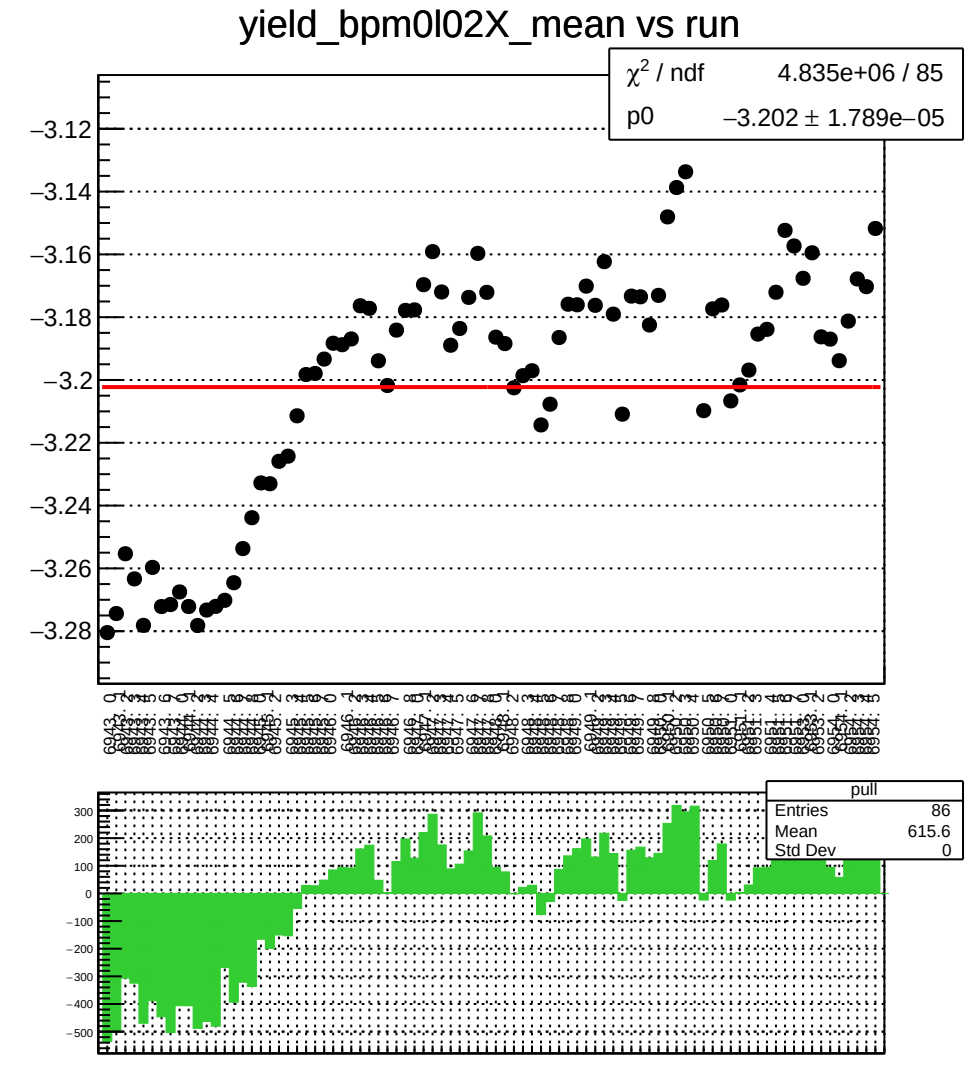

yield_bpm0l01X_mean vs run
χ² / ndf 5.573e+06 / 85
p0 −1.268 ± 8.234e−06
−1.22
−1.23
−1.24
−1.25
−1.26
−1.27
−1.28
−1.29
−1.3
−1.31
pull
Entries 86
Mean −543.5
Std Dev 0
400
200
0
−200
−400
−600

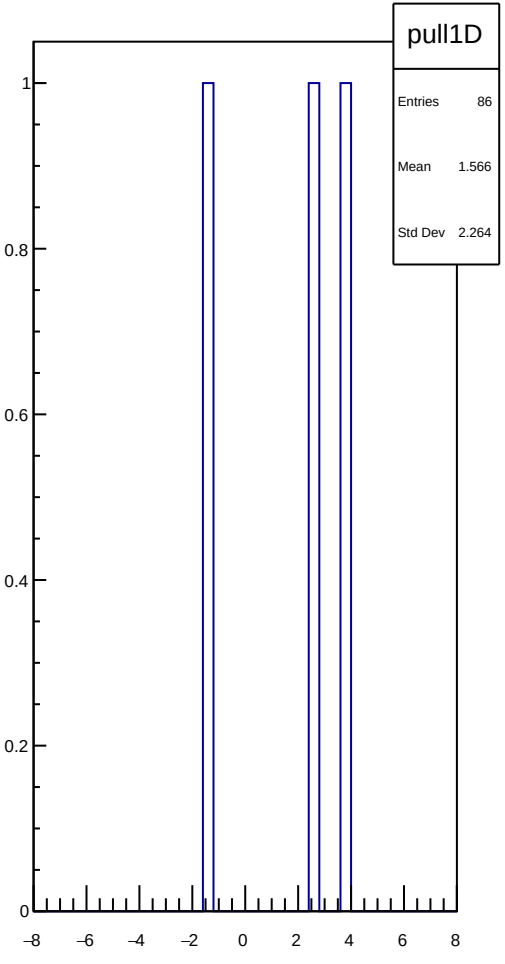

pull1D
Entries 86
Mean −6.16
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

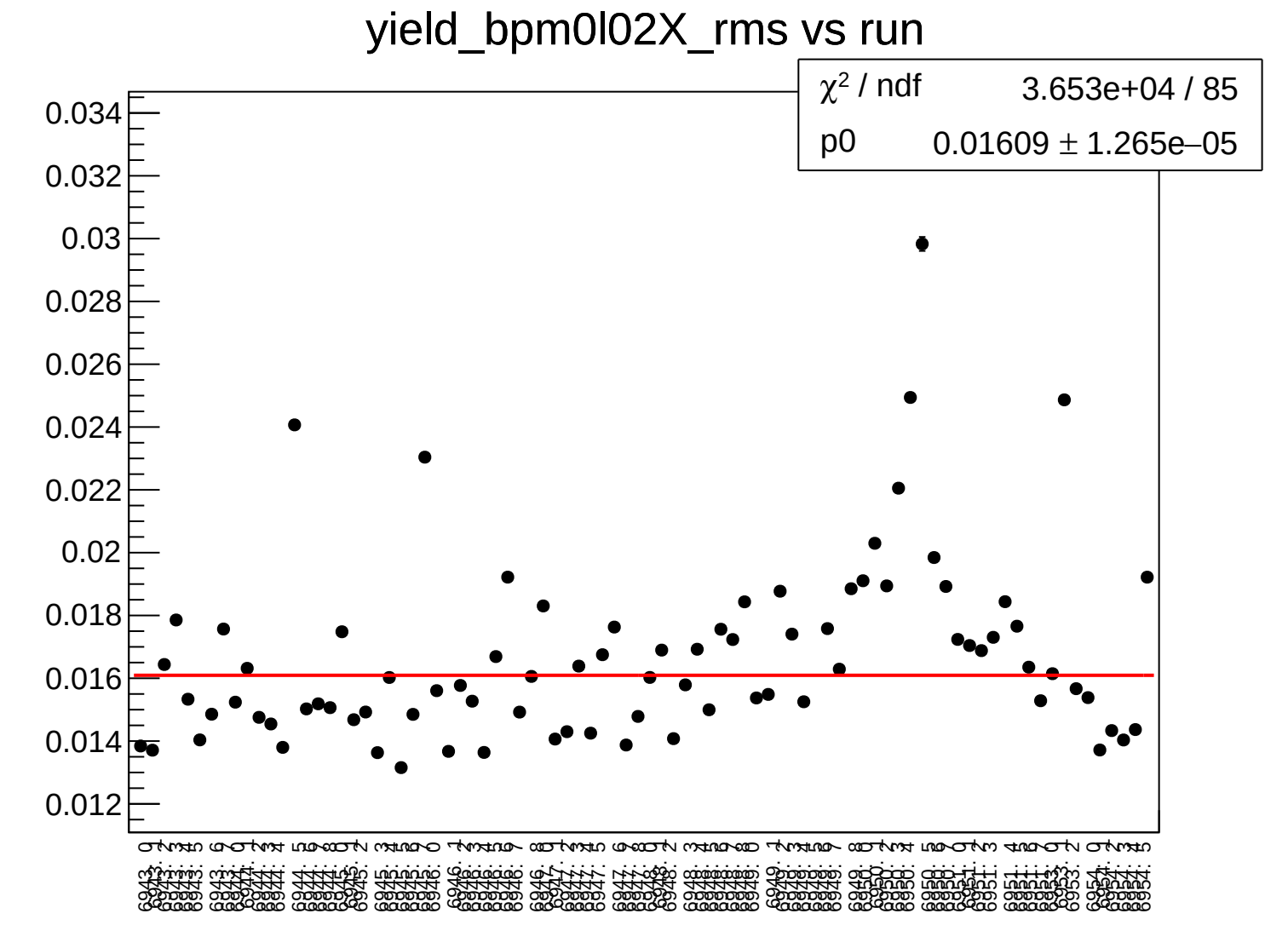

yield_bpm0l01X_rms vs run
χ^2 / ndf 1.029e+05 / 85
p0 0.007256 ± 5.822e−06
0.03
0.025
0.02
0.015
0.01
0.005

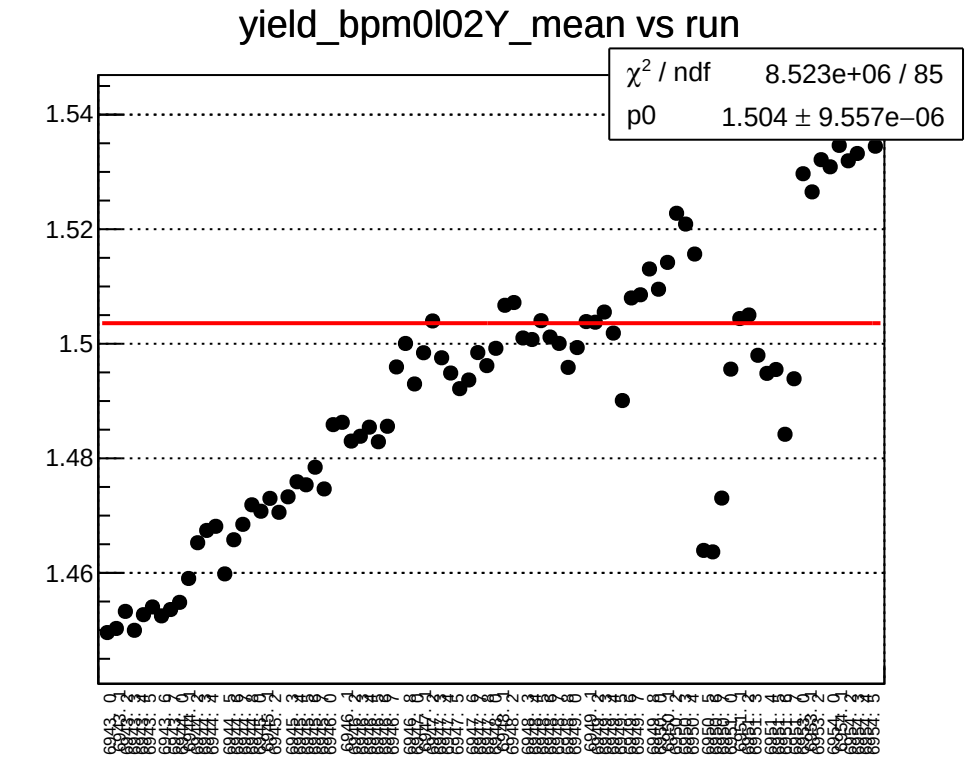

yield_bpm0l01Y_mean vs run
χ² / ndf 2.833e+07 / 85
p0 −5.816 ± 1.026e−05
−5.76
−5.78
−5.8
−5.82
−5.84
−5.86
−5.88
−5.9
−5.92
pull
Entries 86
Mean −157.6
Std Dev 0
500
0
−500
−1000
−1500
pull1D
Entries 86
Mean 7.553
Std Dev 0.02174
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

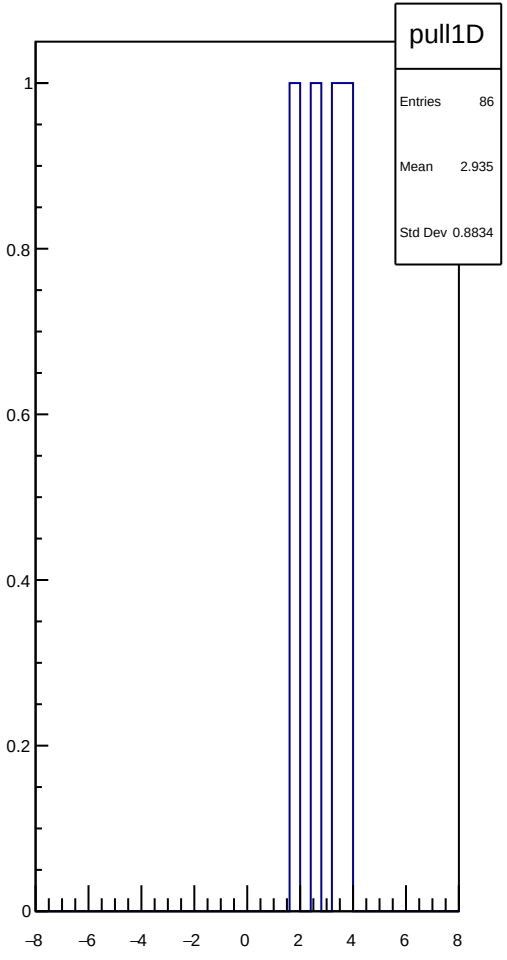

yield_bpm0l01Y_rms vs run
χ² / ndf 2.255e+05 / 85
p0 0.008678 ± 7.255e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

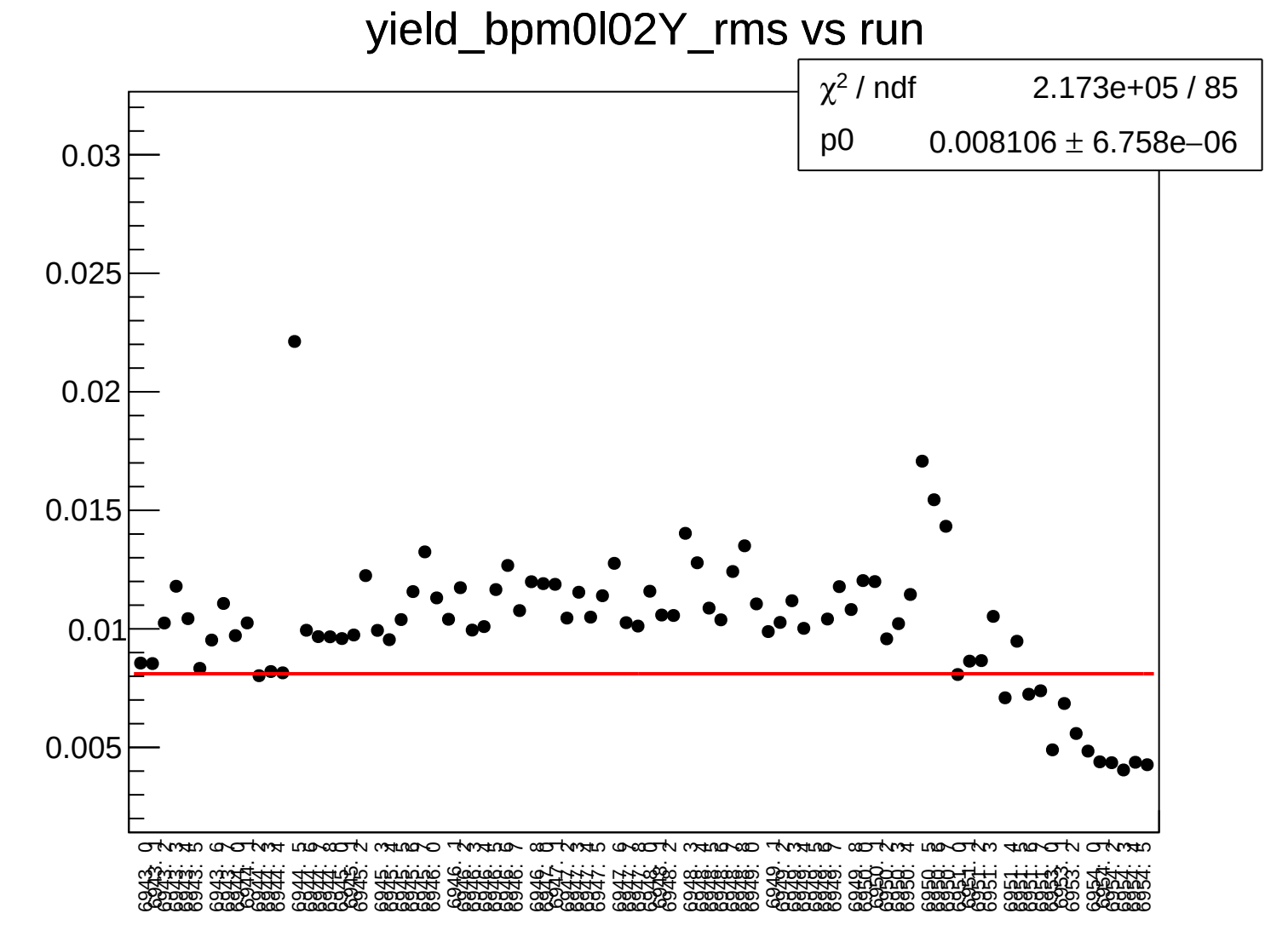

yield_bpm0l02X_mean vs run
χ² / ndf 4.835e+06 / 85
p0 −3.202 ± 1.789e−05
−3.12
−3.14
−3.16
−3.18
−3.2
−3.22
−3.24
−3.26
−3.28
pull
Entries 86
Mean 615.6
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

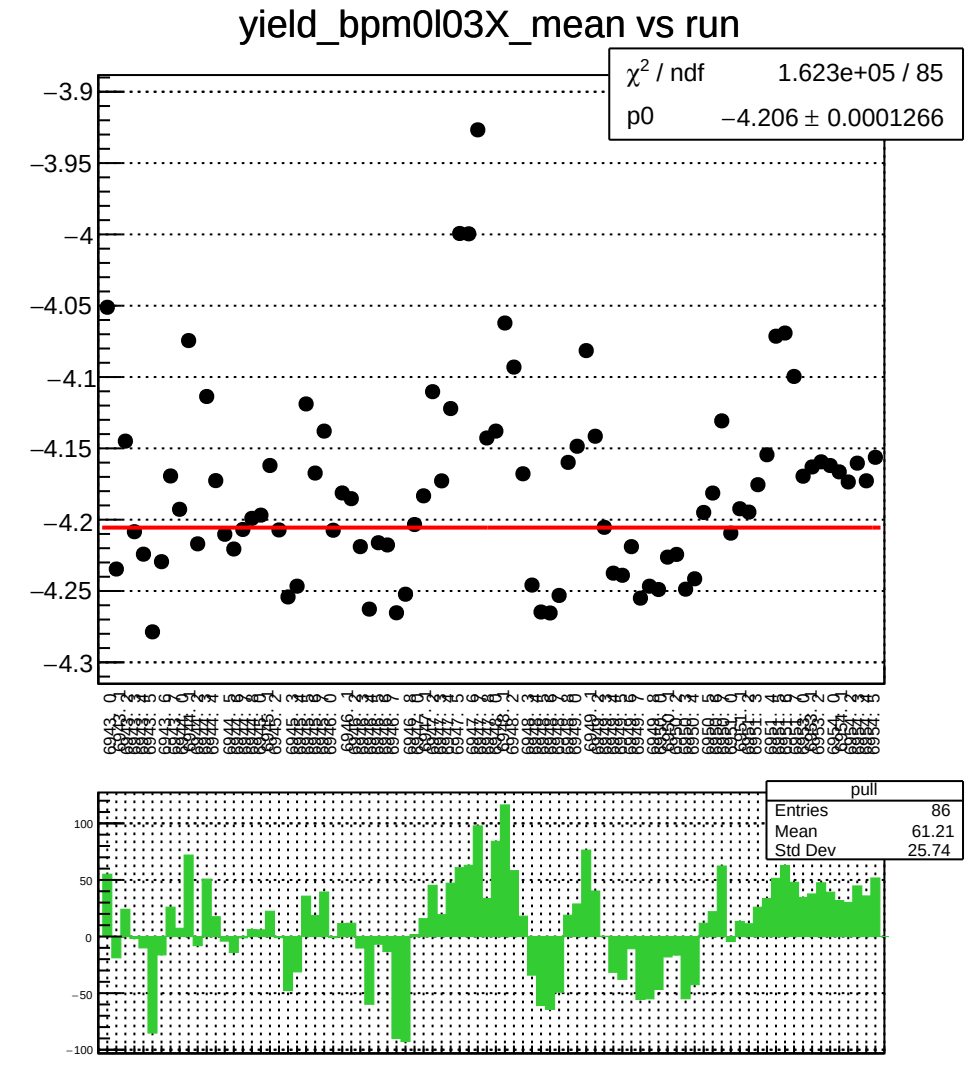

pull1D
Entries 86
Mean 1.566
Std Dev 2.264
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

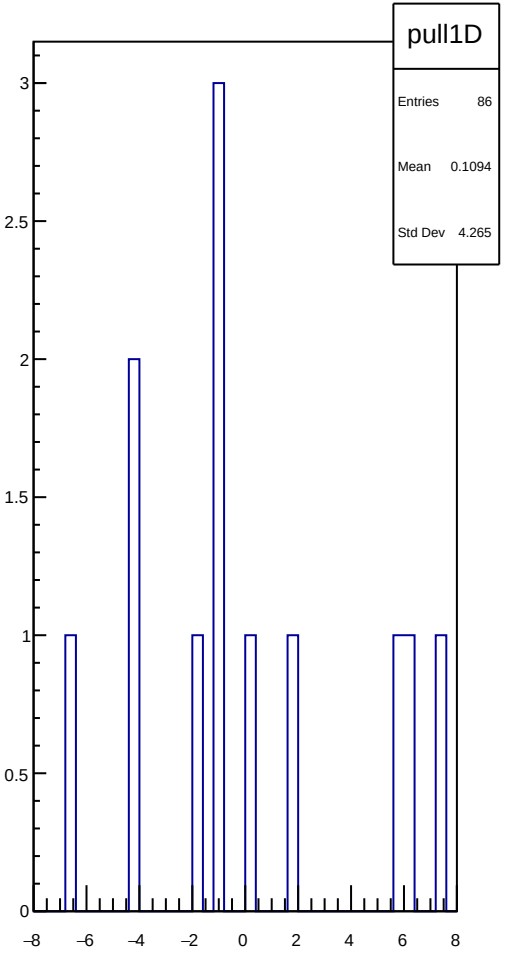

yield_bpm0l02X_rms vs run
χ² / ndf 3.653e+04 / 85
p0 0.01609 ± 1.265e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

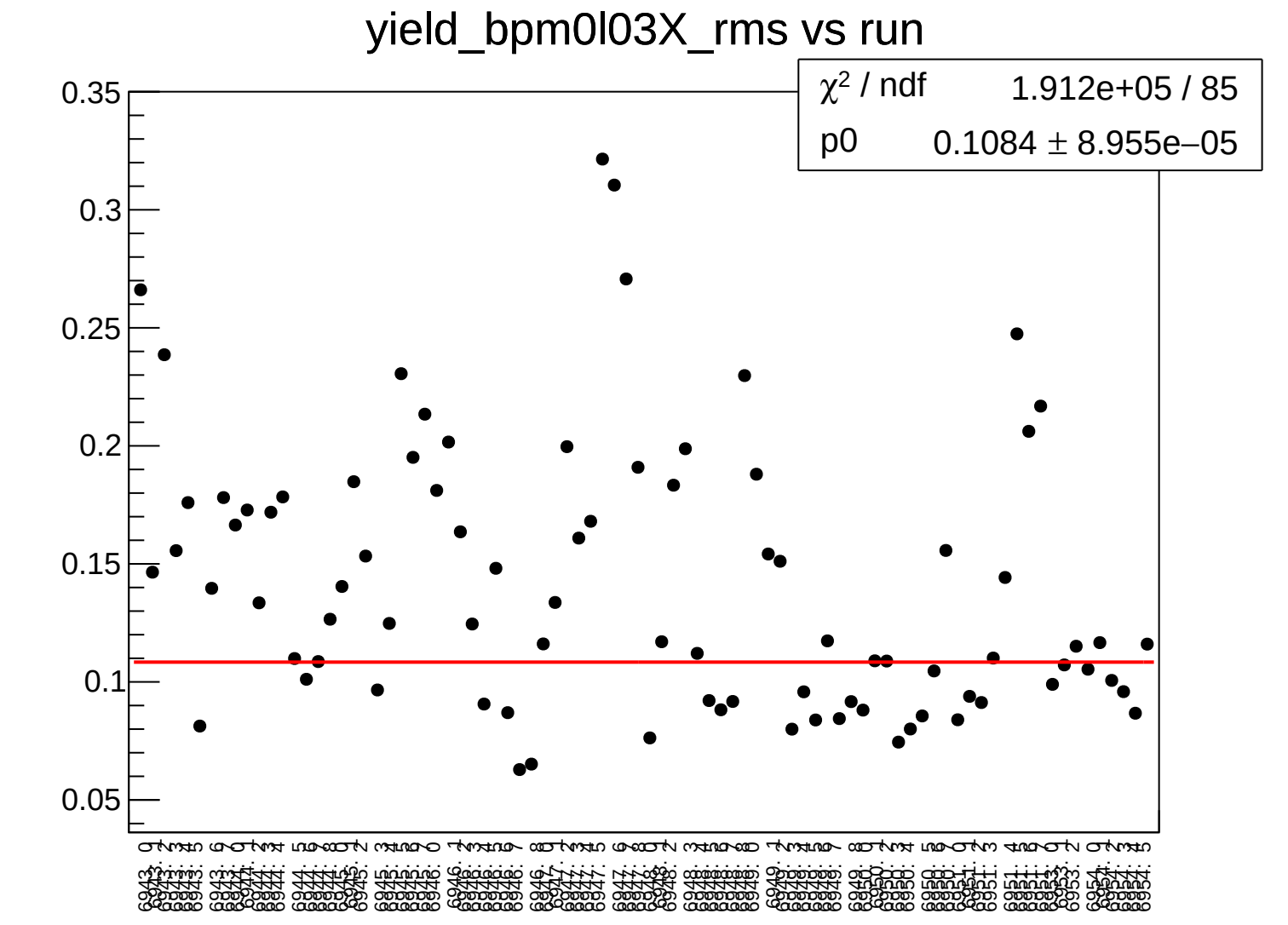

yield_bpm0l02Y_mean vs run
χ² / ndf 8.523e+06 / 85
p0 1.504 ± 9.557e−06
1.54
1.52
1.5
1.48
1.46
pull
Entries 86
Mean −33.61
Std Dev 0
800
600
400
200
0
−200
−400
−600

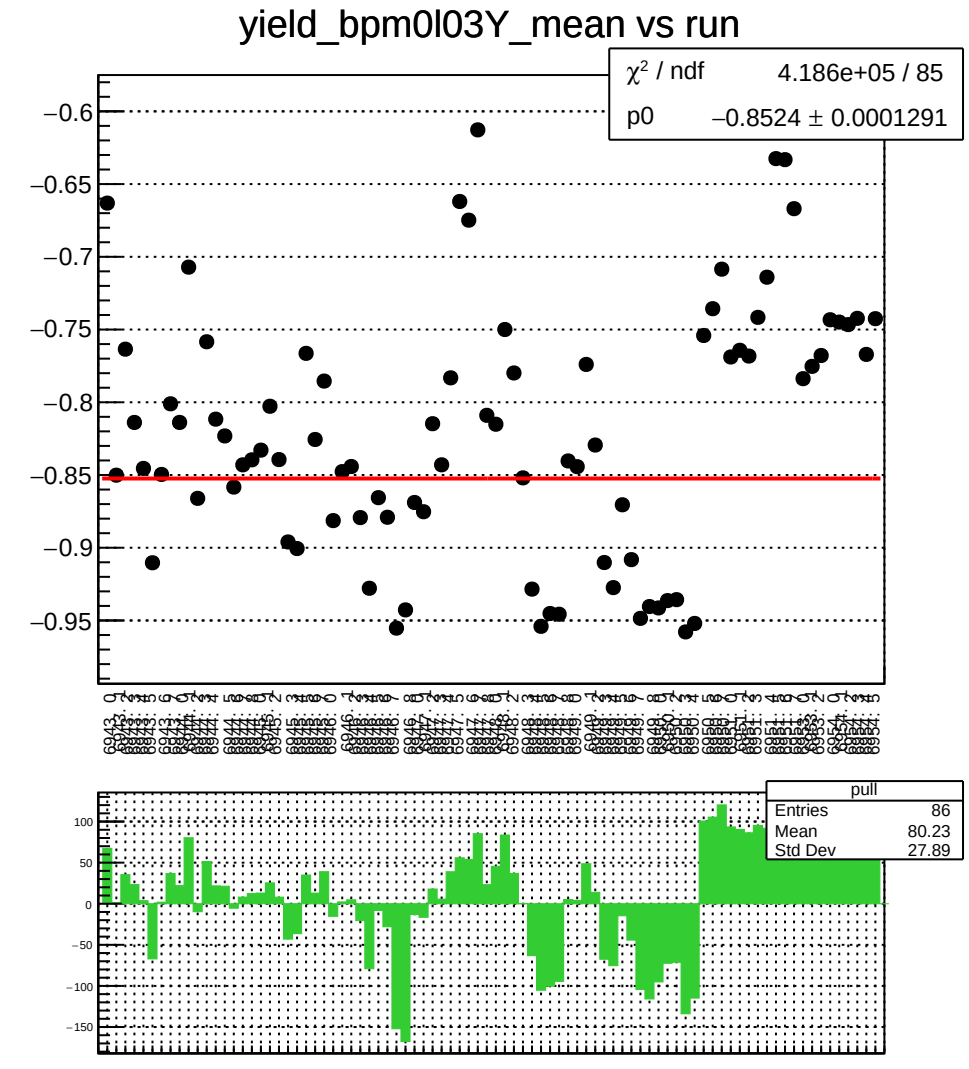

pull1D
Entries 86
Mean 2.935
Std Dev 0.8834
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

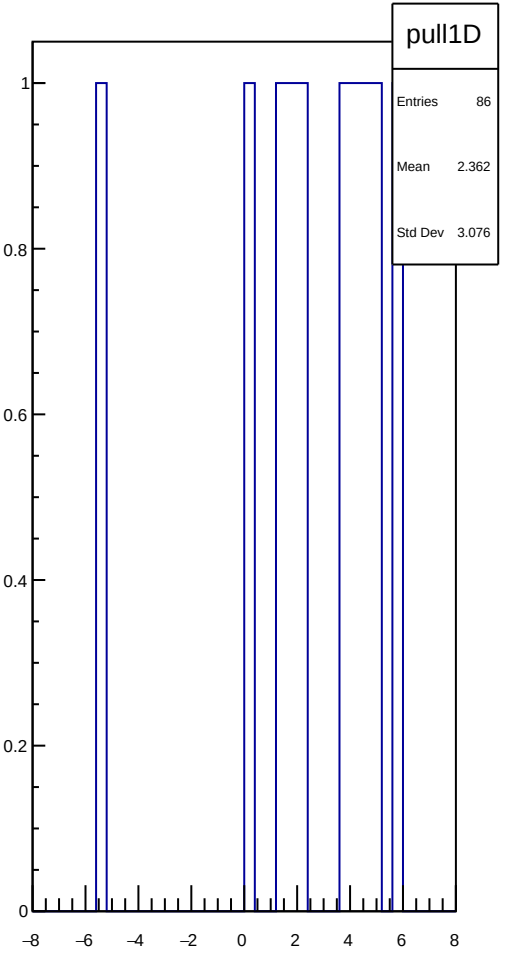

yield_bpm0l02Y_rms vs run
χ^2 / ndf 2.173e+05 / 85
p0 0.008106 ± 6.758e−06
0.03
0.025
0.02
0.015
0.01
0.005

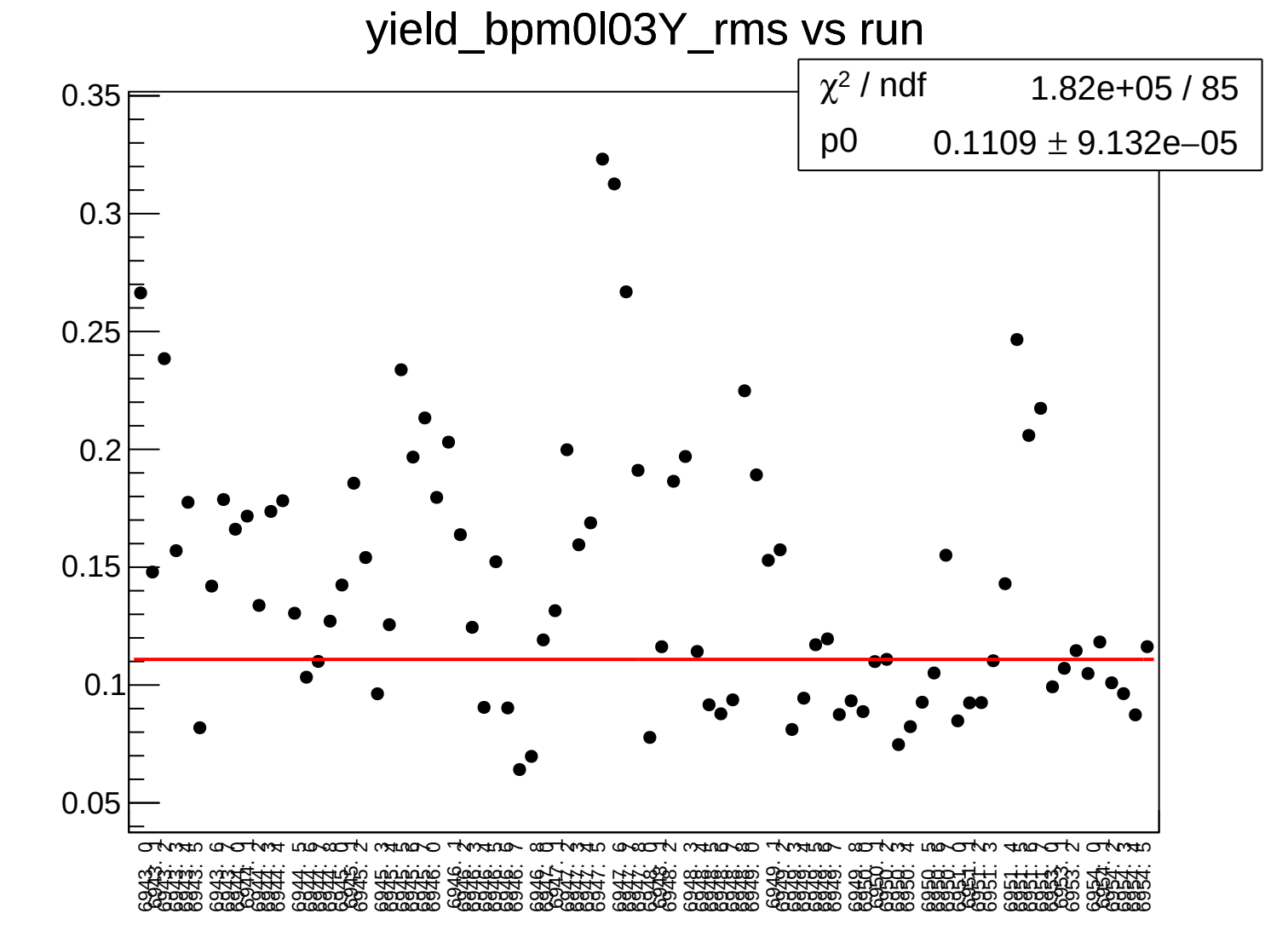

yield_bpm0l03X_mean vs run
χ² / ndf 1.623e+05 / 85
p0 −4.206 ± 0.0001266
−3.9
−3.95
−4
−4.05
−4.1
−4.15
−4.2
−4.25
−4.3
pull
Entries 86
Mean 61.21
Std Dev 25.74
100
50
0
−50
−100

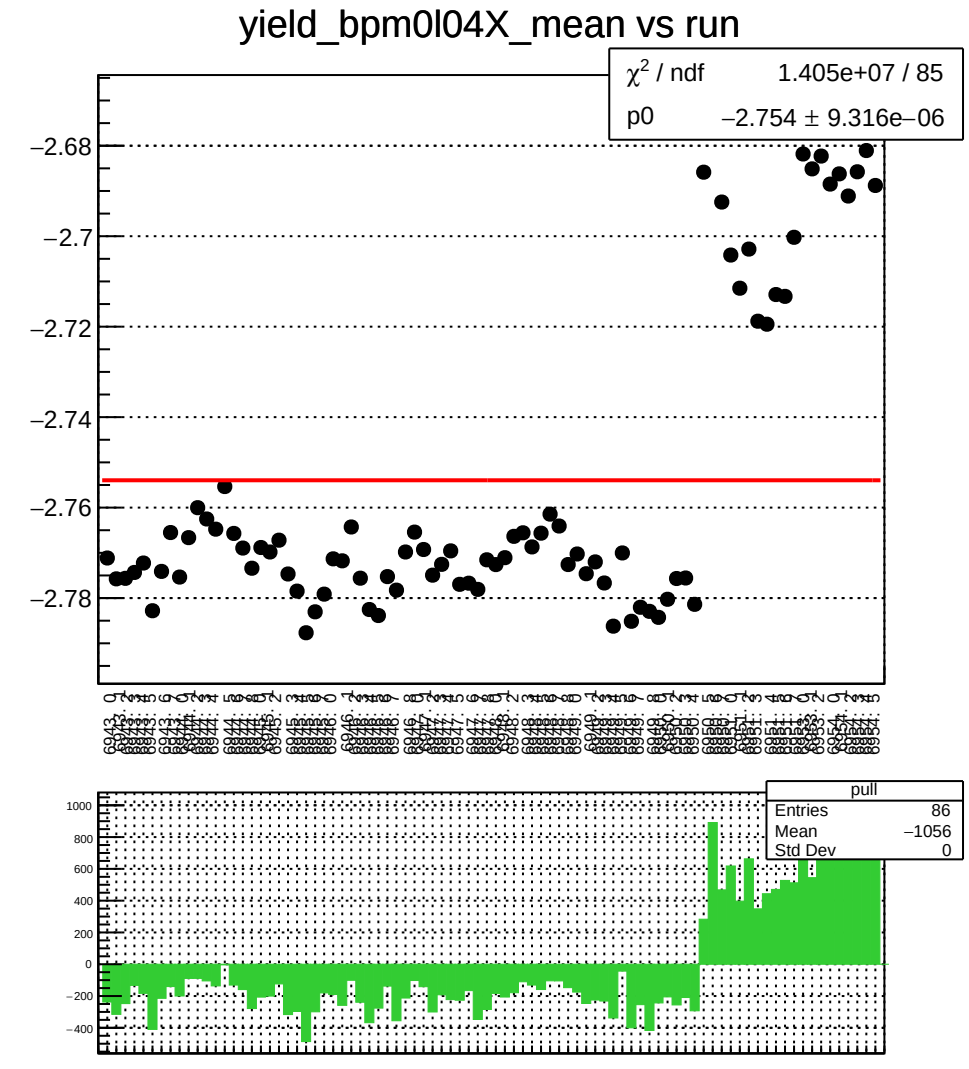

pull1D
Entries 86
Mean 0.1094
Std Dev 4.265
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

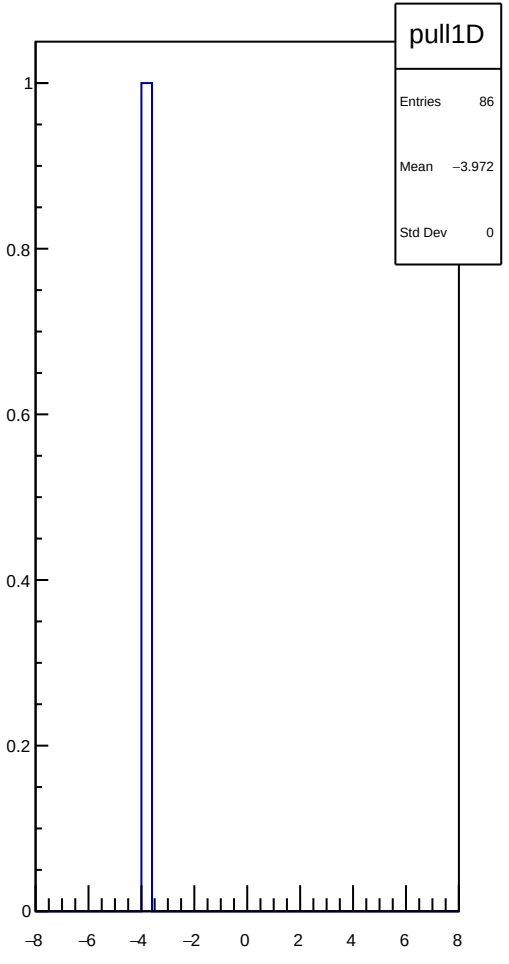

yield_bpm0l03X_rms vs run
χ² / ndf 1.912e+05 / 85
p0 0.1084 ± 8.955e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

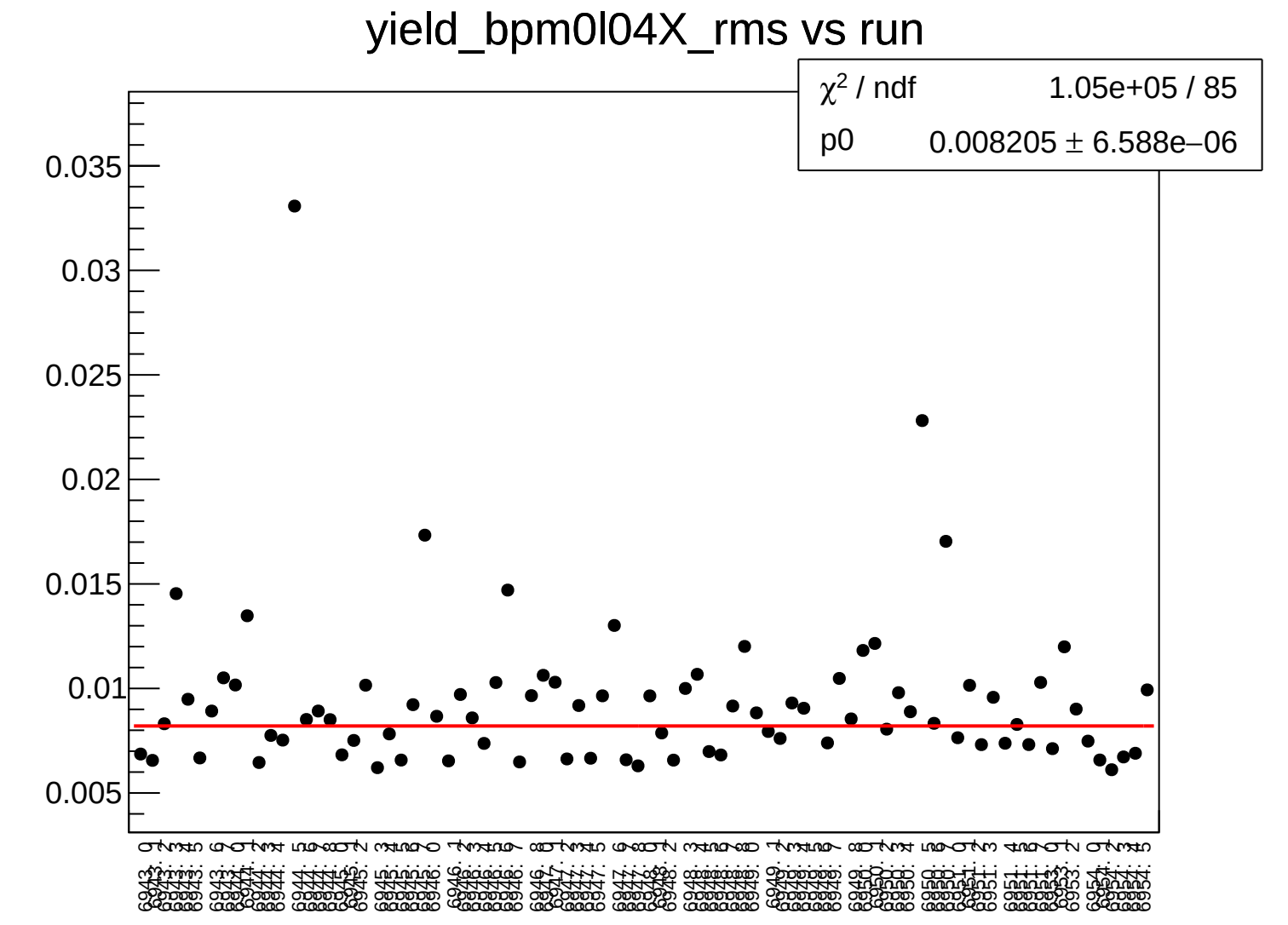

yield_bpm0l03Y_mean vs run
χ² / ndf 4.186e+05 / 85
p0 −0.8524 ± 0.0001291
−0.6
−0.65
−0.7
−0.75
−0.8
−0.85
−0.9
−0.95
pull
Entries 86
Mean 80.23
Std Dev 27.89
100
50
0
−50
−100
−150

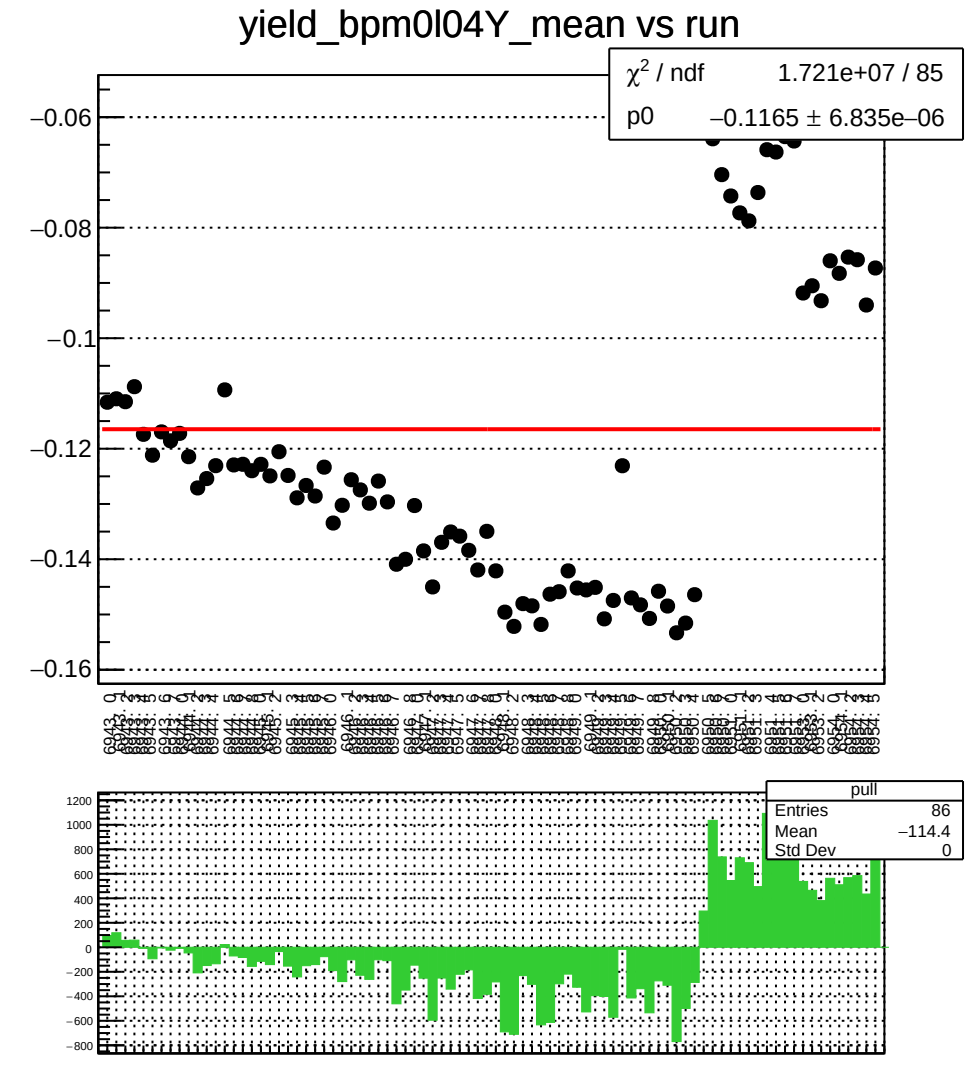

pull1D
Entries 86
Mean 2.362
Std Dev 3.076
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

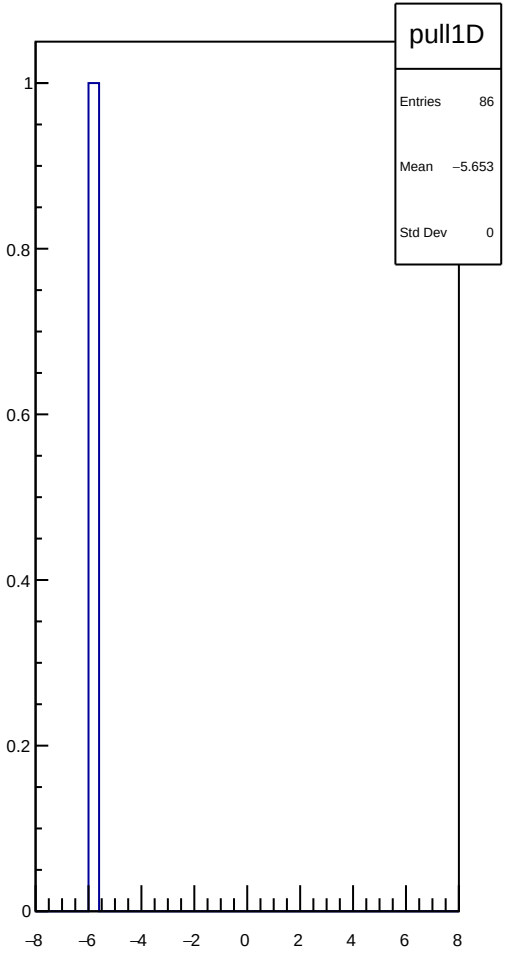

yield_bpm0l03Y_rms vs run
χ² / ndf 1.82e+05 / 85
p0 0.1109 ± 9.132e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

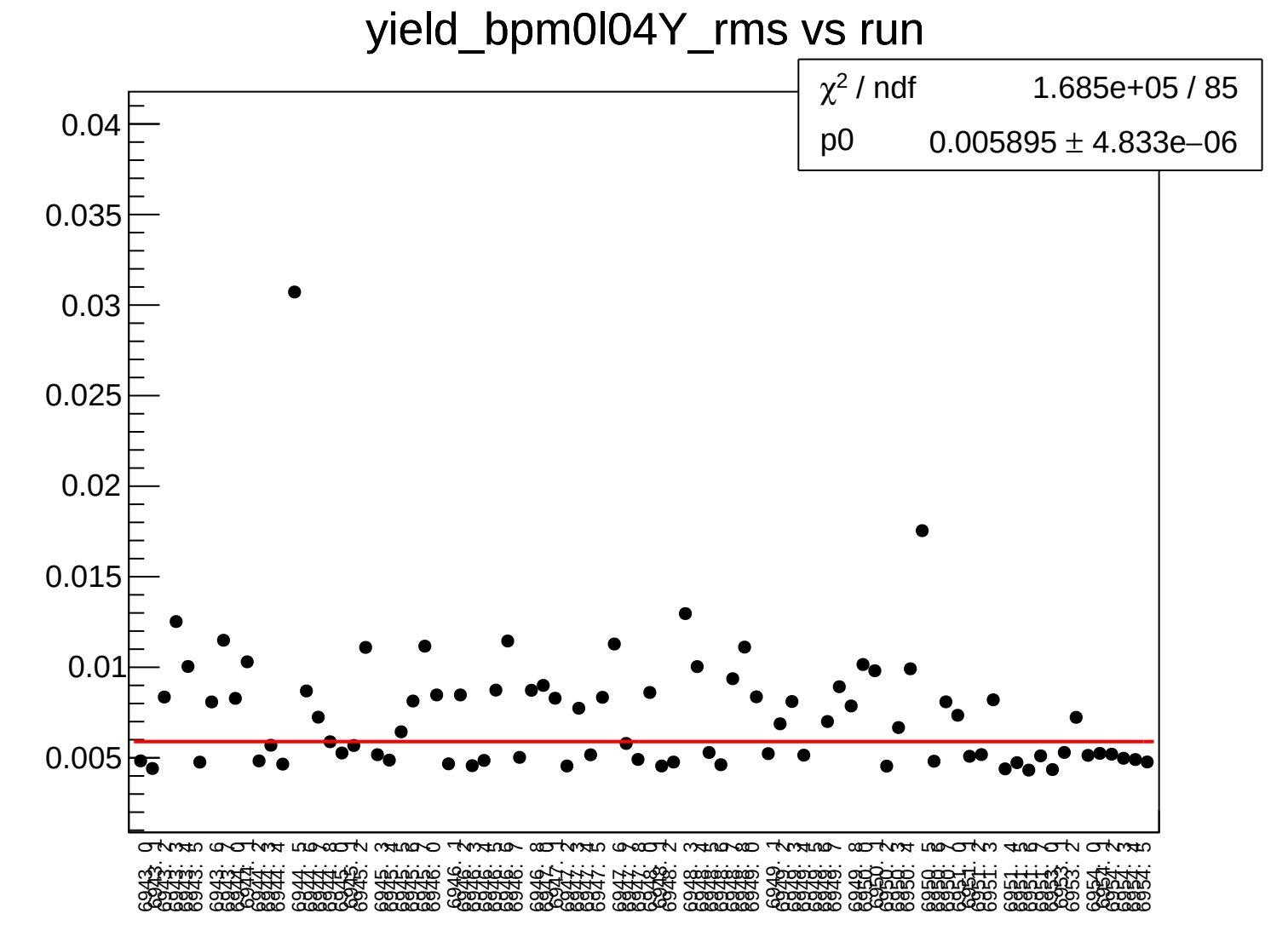

yield_bpm0l04X_mean vs run
χ² / ndf 1.405e+07 / 85
p0 −2.754 ± 9.316e−06
−2.68
−2.7
−2.72
−2.74
−2.76
−2.78
pull
Entries 86
Mean −1056
Std Dev 0
1000
800
600
400
200
0
−200
−400

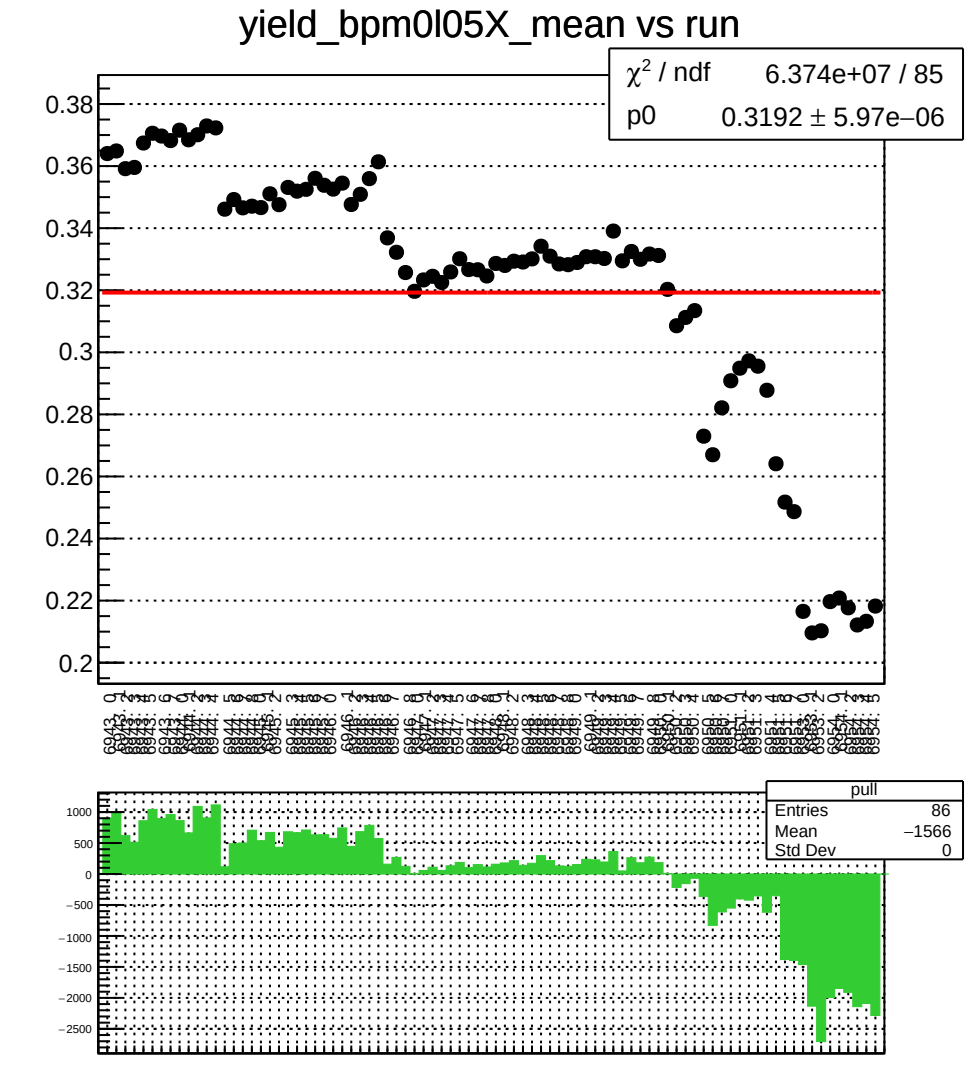

pull1D
Entries 86
Mean −3.972
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

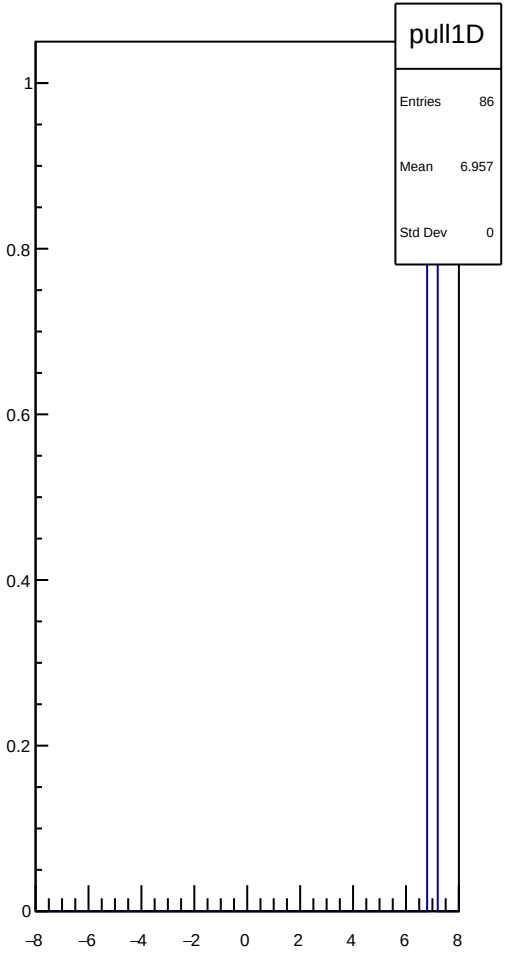

yield_bpm0l04X_rms vs run
χ² / ndf 1.05e+05 / 85
p0 0.008205 ± 6.588e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

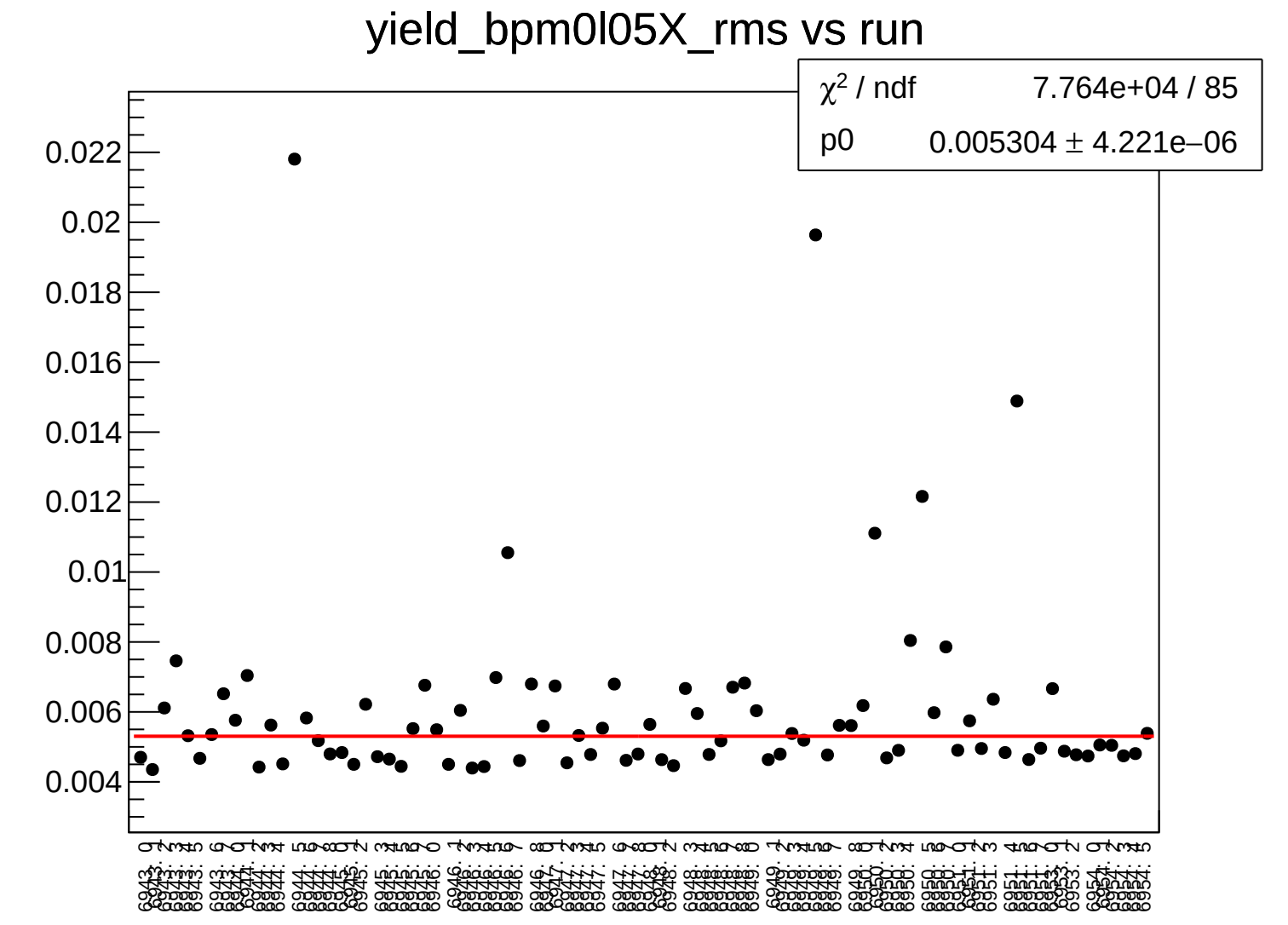

yield_bpm0l04Y_mean vs run
χ² / ndf 1.721e+07 / 85
p0 −0.1165 ± 6.835e−06
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 86
Mean −114.4
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600
−800

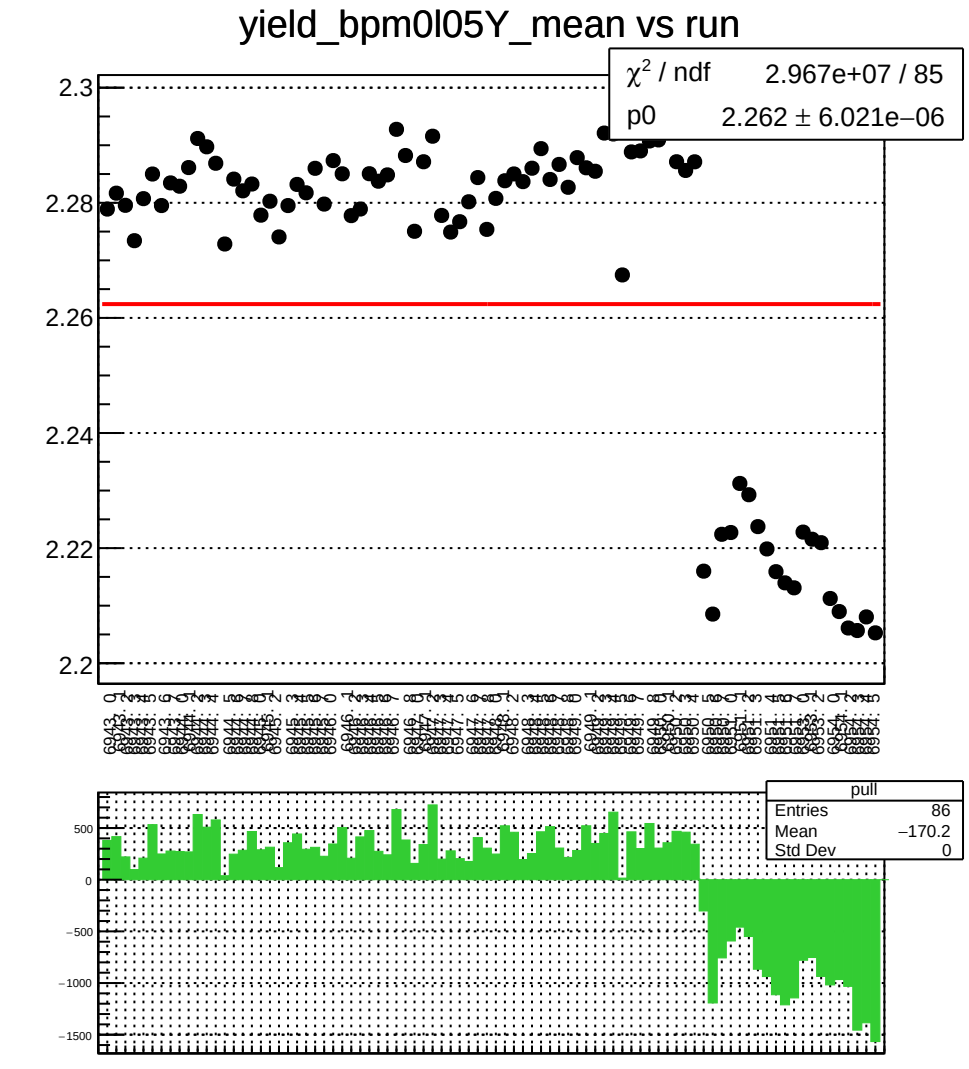

pull1D
Entries 86
Mean −5.653
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

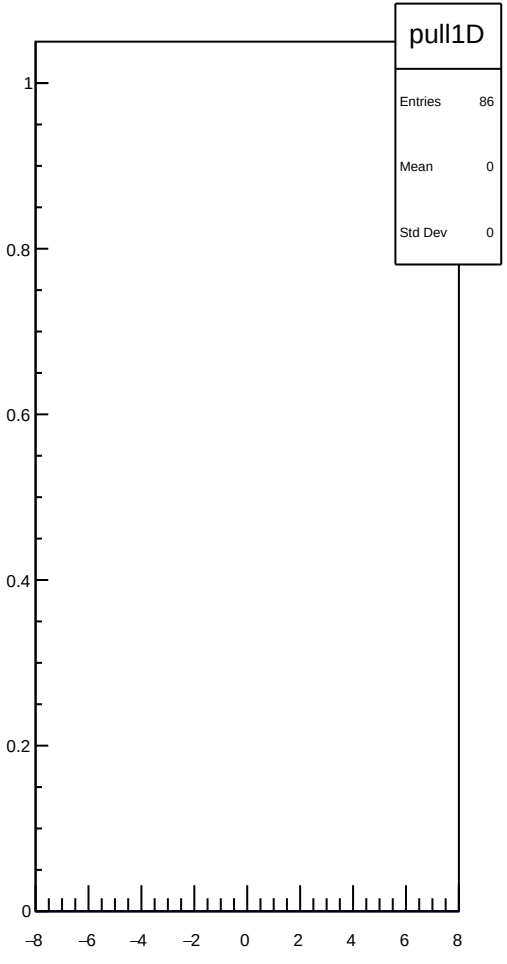

yield_bpm0l04Y_rms vs run
χ² / ndf 1.685e+05 / 85
p0 0.005895 ± 4.833e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005


yield_bpm0l05X_mean vs run
χ² / ndf 6.374e+07 / 85
p0 0.3192 ± 5.97e−06
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
pull
Entries 86
Mean −1566
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500

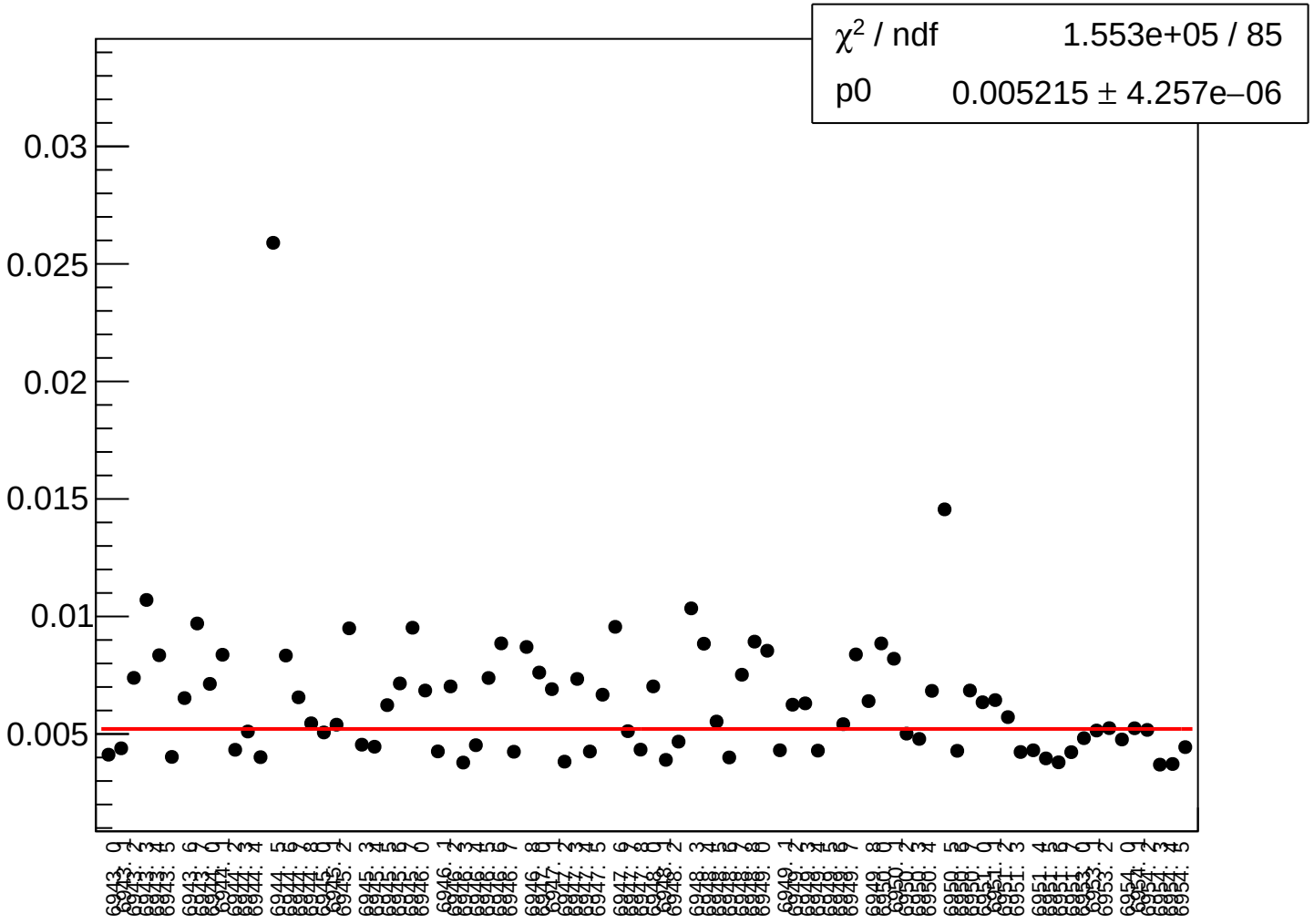

pull1D
Entries 86
Mean 6.957
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

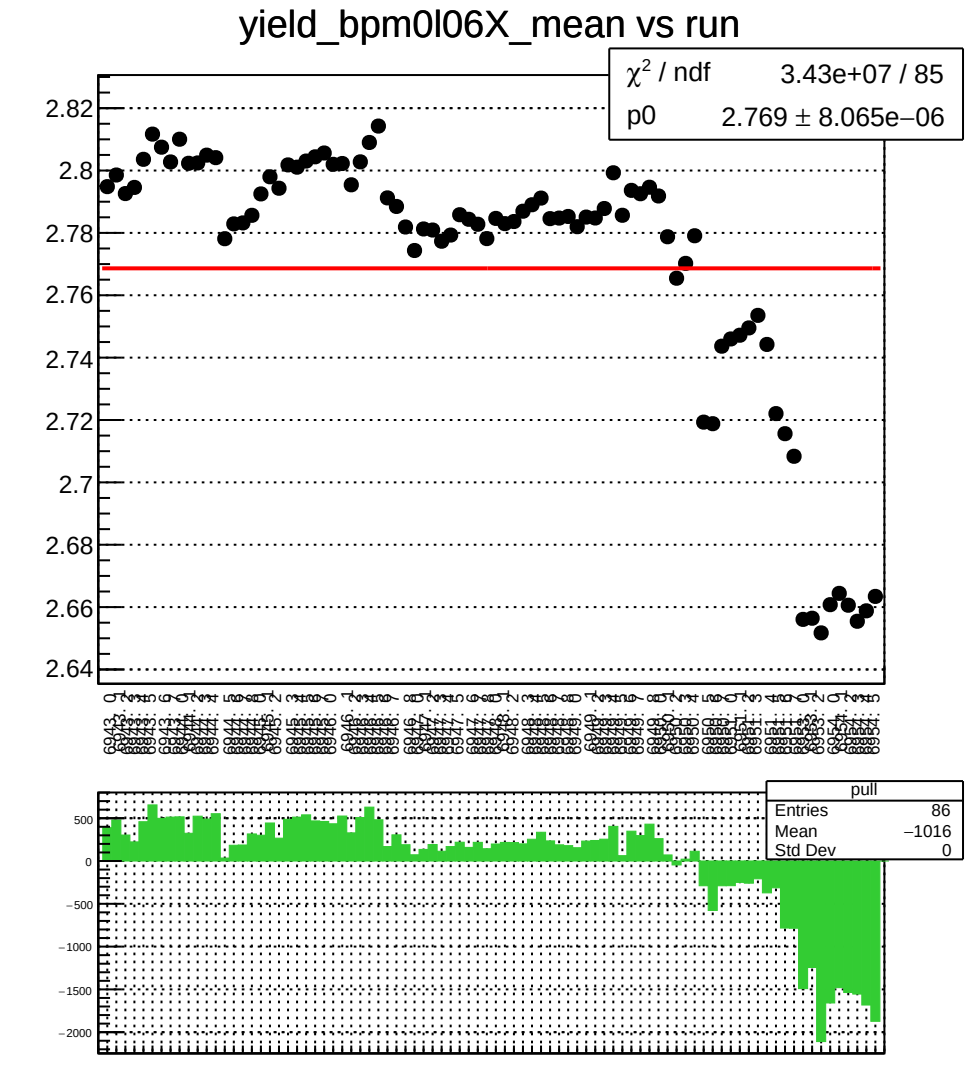

yield_bpm0l05X_rms vs run
χ² / ndf 7.764e+04 / 85
p0 0.005304 ± 4.221e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

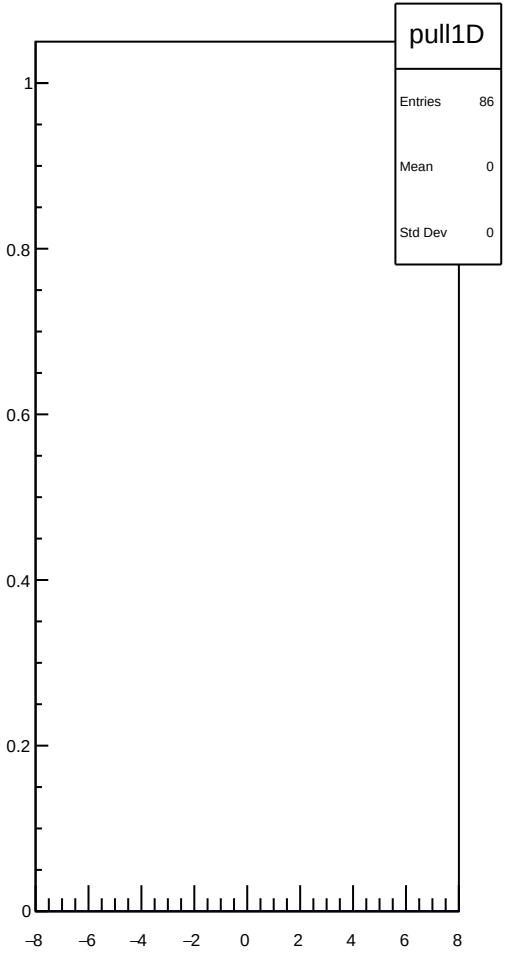

yield_bpm0l05Y_mean vs run
χ² / ndf 2.967e+07 / 85
p0 2.262 ± 6.021e−06
2.3
2.28
2.26
2.24
2.22
2.2
pull
Entries 86
Mean −170.2
Std Dev 0
500
0
−500
−1000
−1500

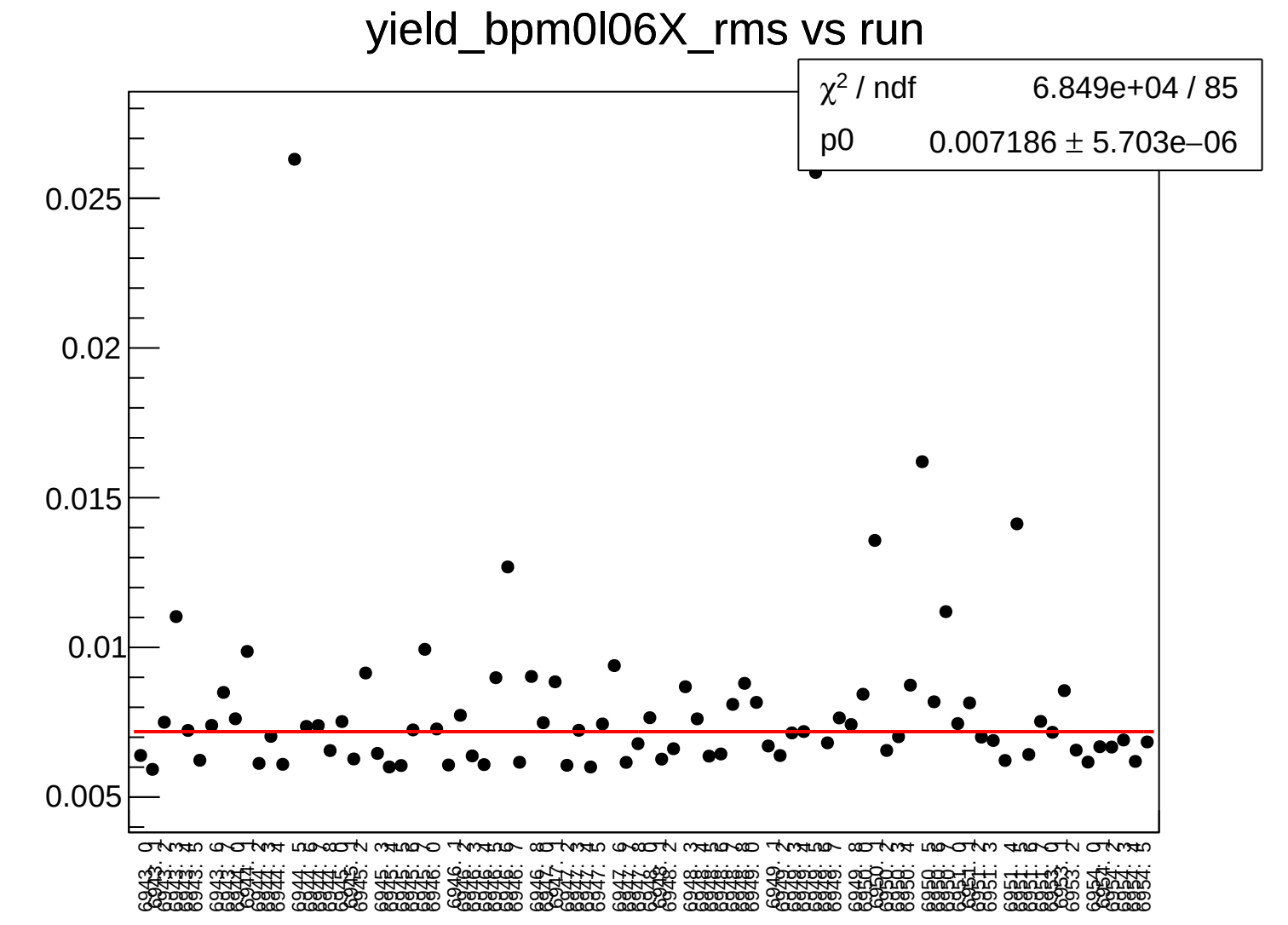

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

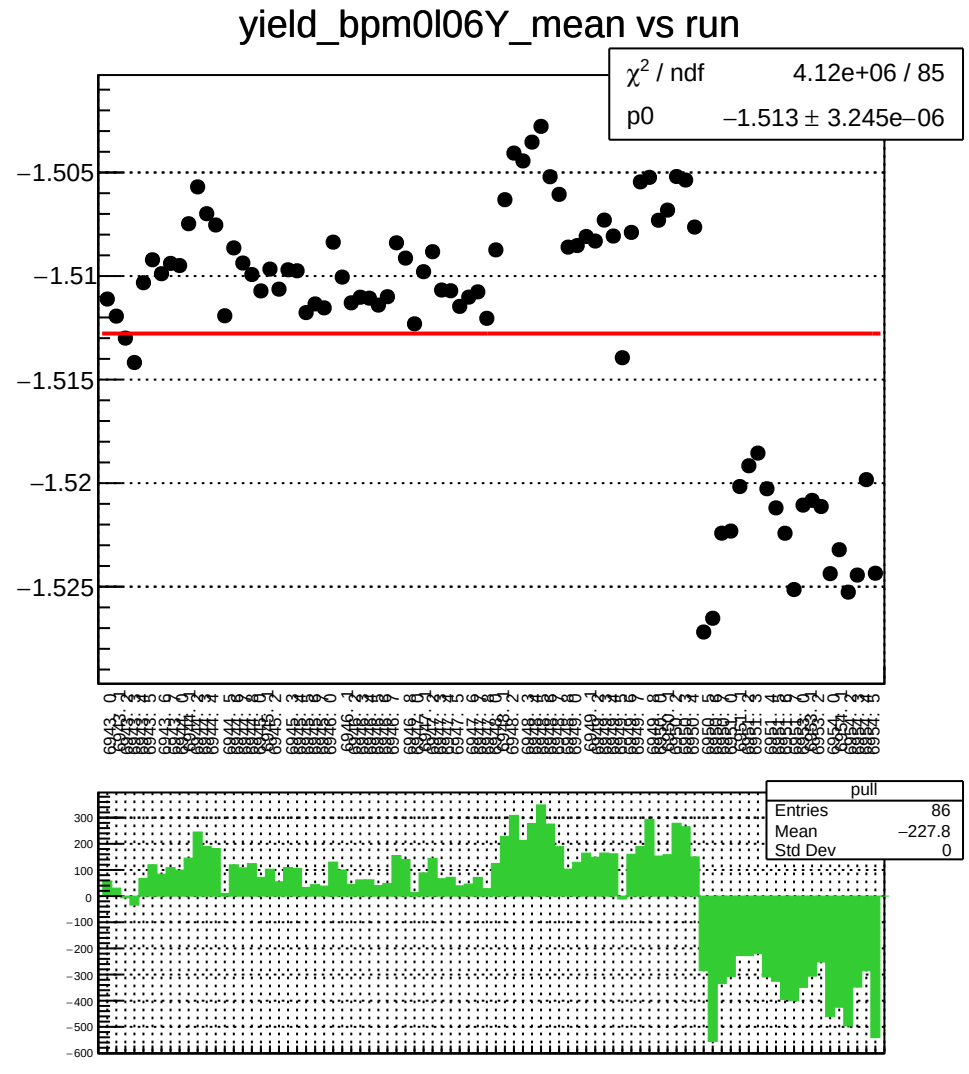
yield_bpm0l05Y_rms vs run

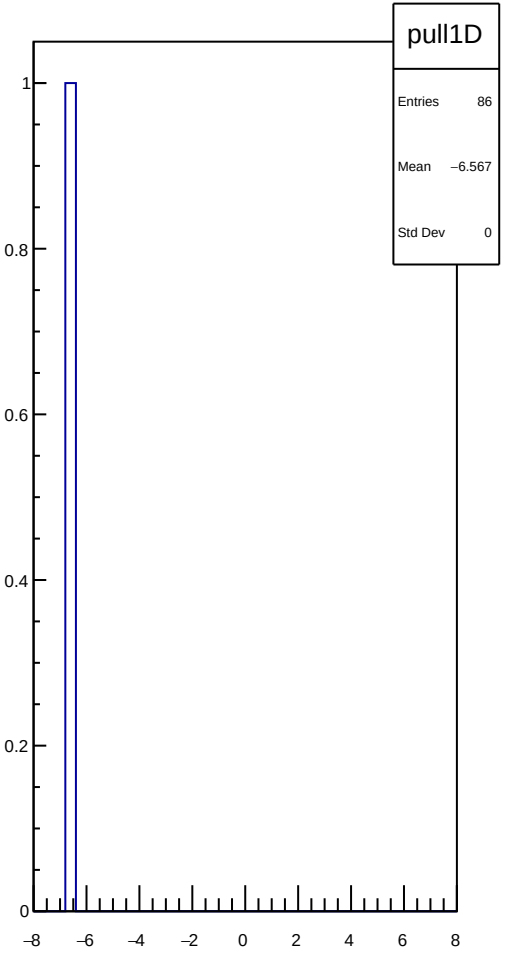



yield_bpm0l06X_mean vs run
χ² / ndf 3.43e+07 / 85
p0 2.769 ± 8.065e−06
2.82
2.8
2.78
2.76
2.74
2.72
2.7
2.68
2.66
2.64
pull
Entries 86
Mean −1016
Std Dev 0
500
0
−500
−1000
−1500
−2000

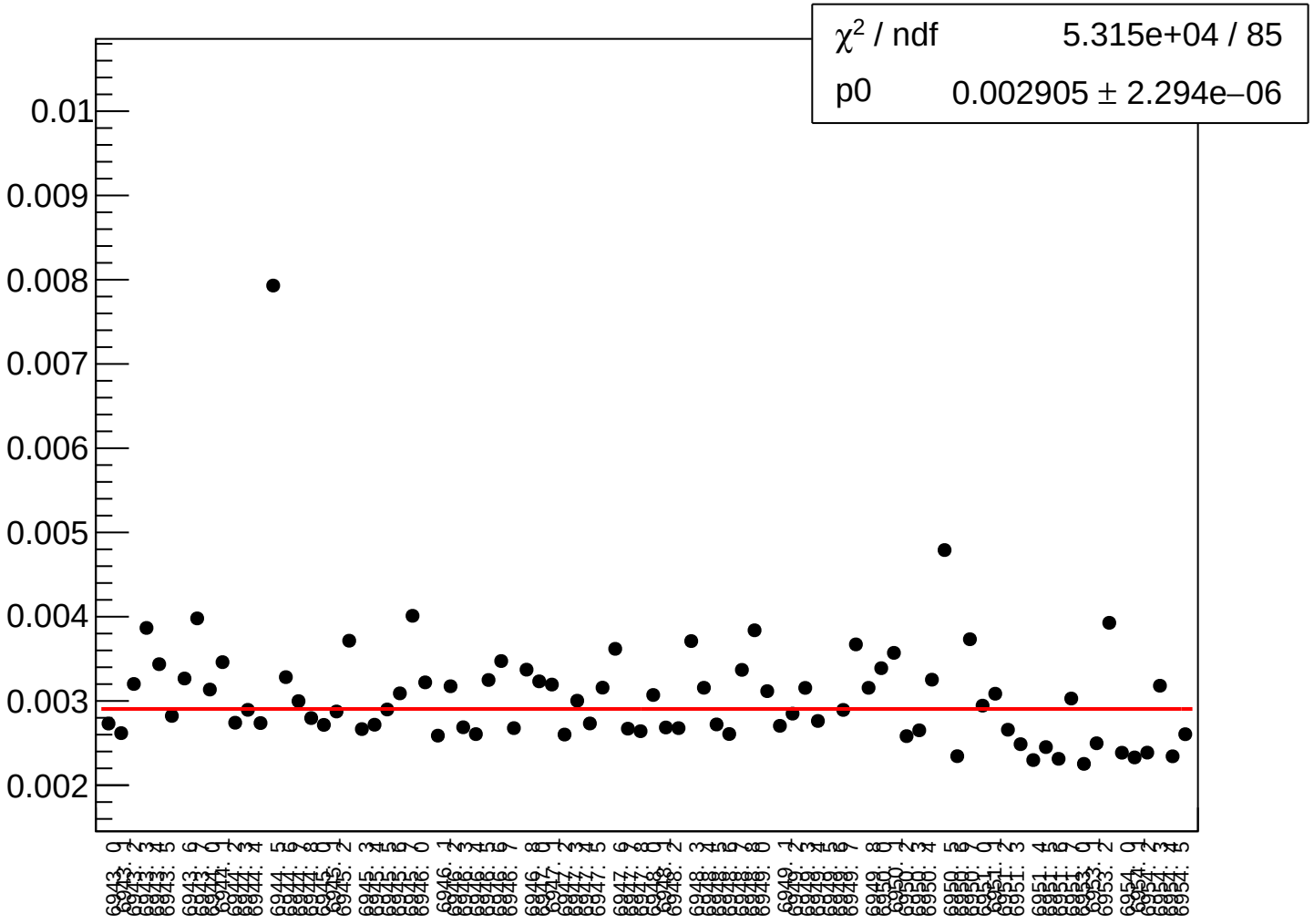

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

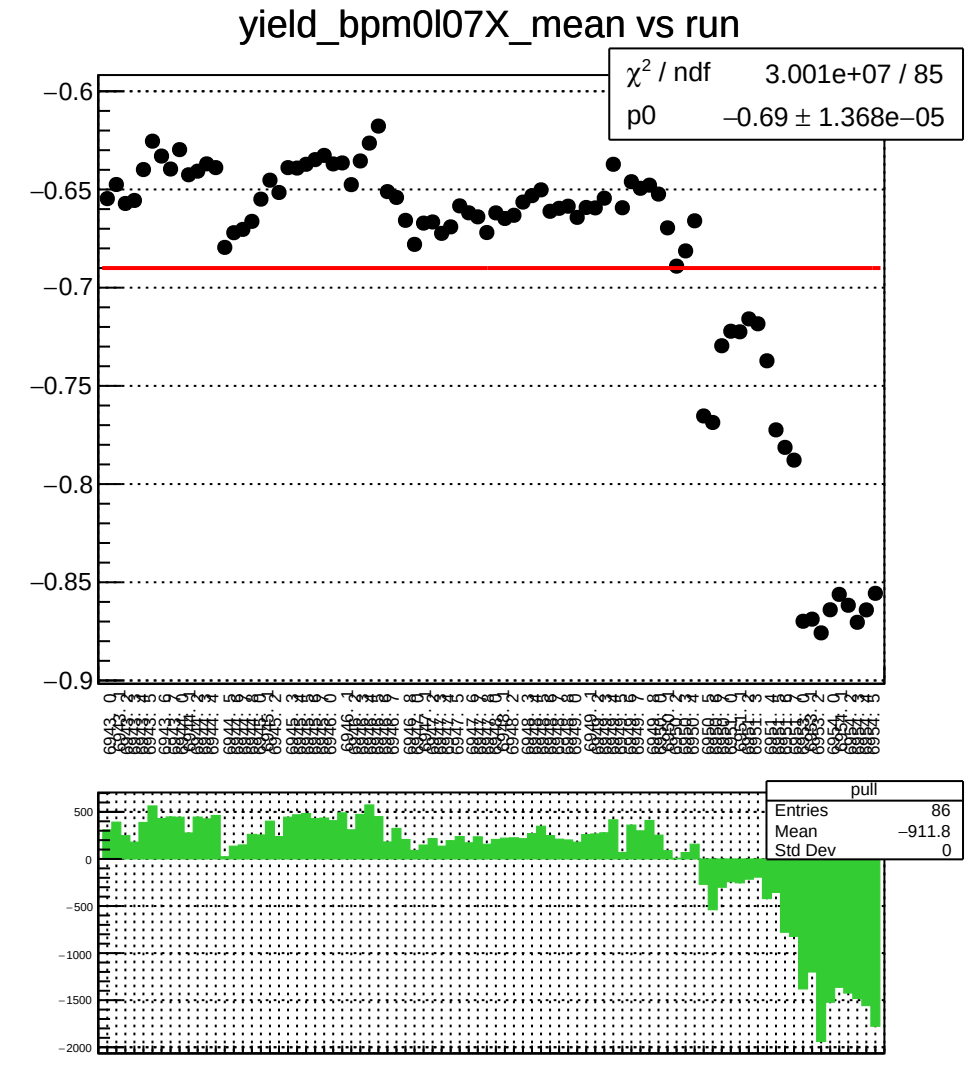

yield_bpm0l06X_rms vs run
χ² / ndf 6.849e+04 / 85
p0 0.007186 ± 5.703e−06
0.025
0.02
0.015
0.01
0.005

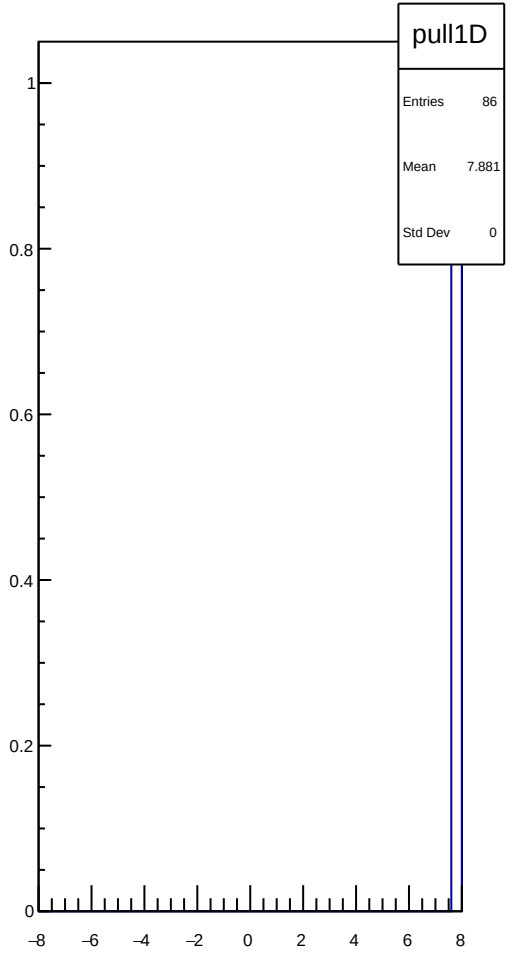

yield_bpm0l06Y_mean vs run
χ² / ndf 4.12e+06 / 85
p0 −1.513 ± 3.245e−06
−1.505
−1.51
−1.515
−1.52
−1.525
pull
Entries 86
Mean −227.8
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

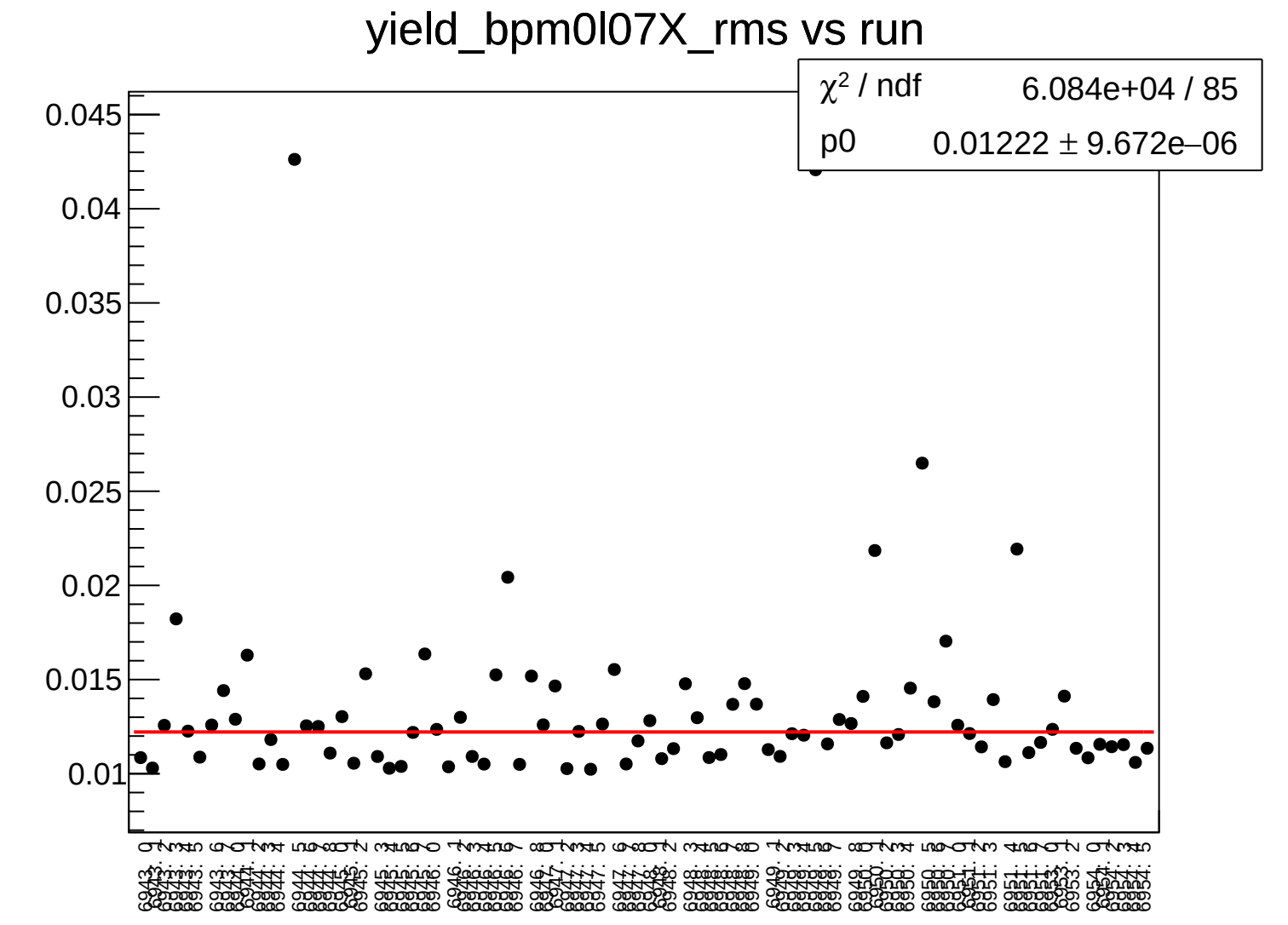

pull1D
Entries 86
Mean −6.567
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

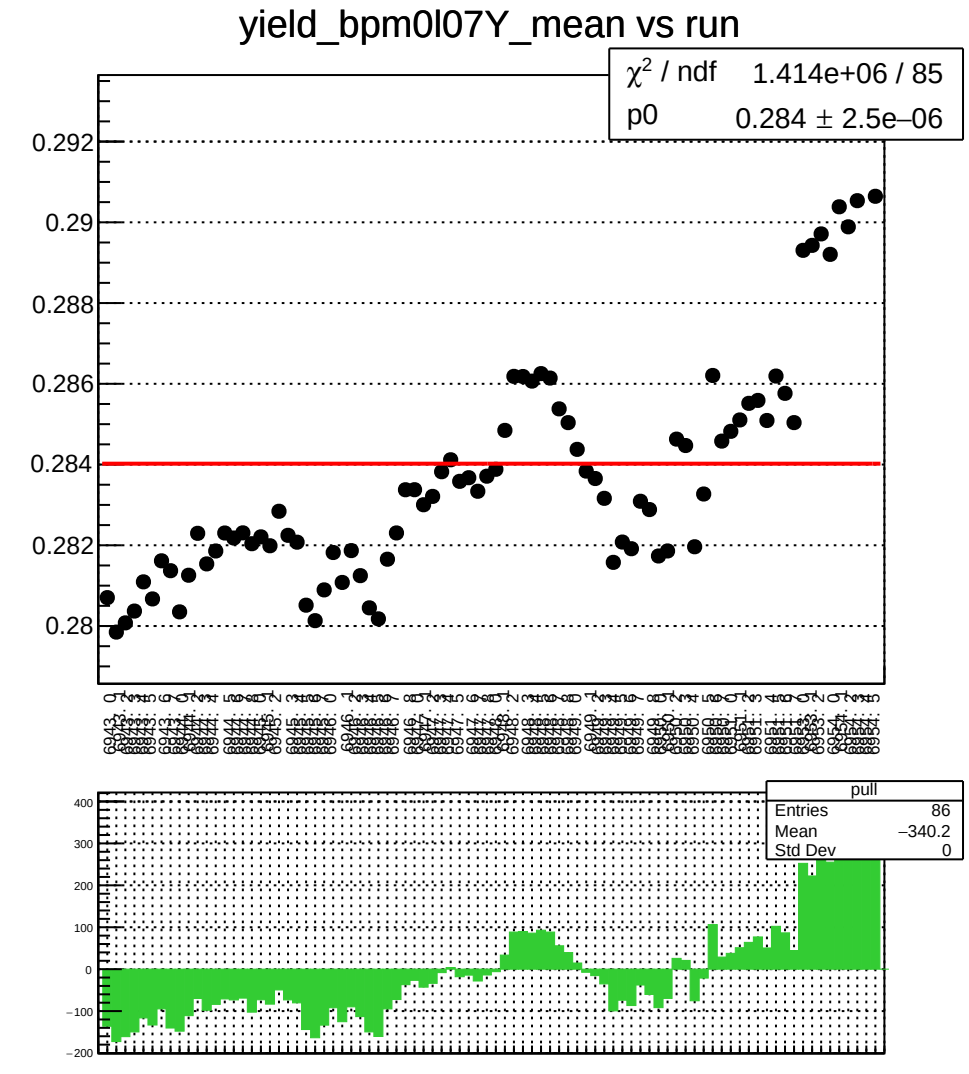
yield_bpm0l06Y_rms vs run

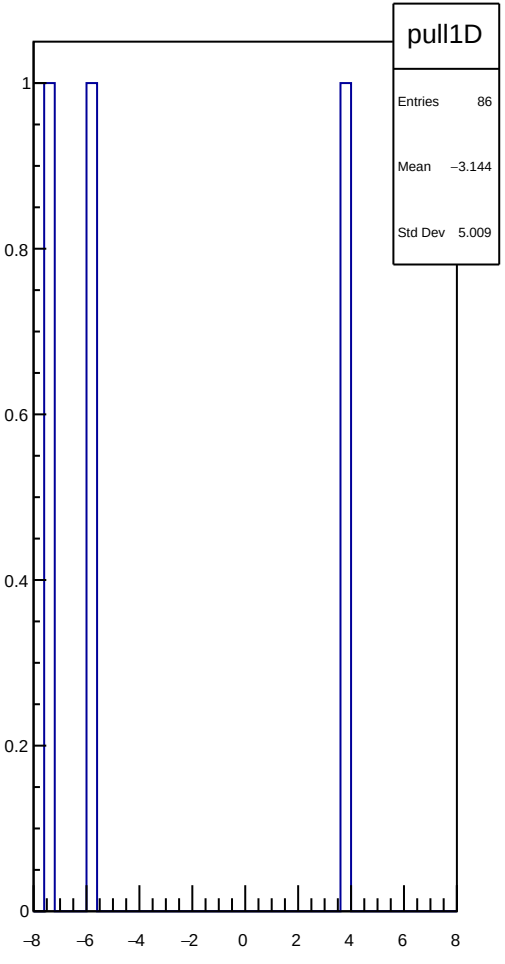


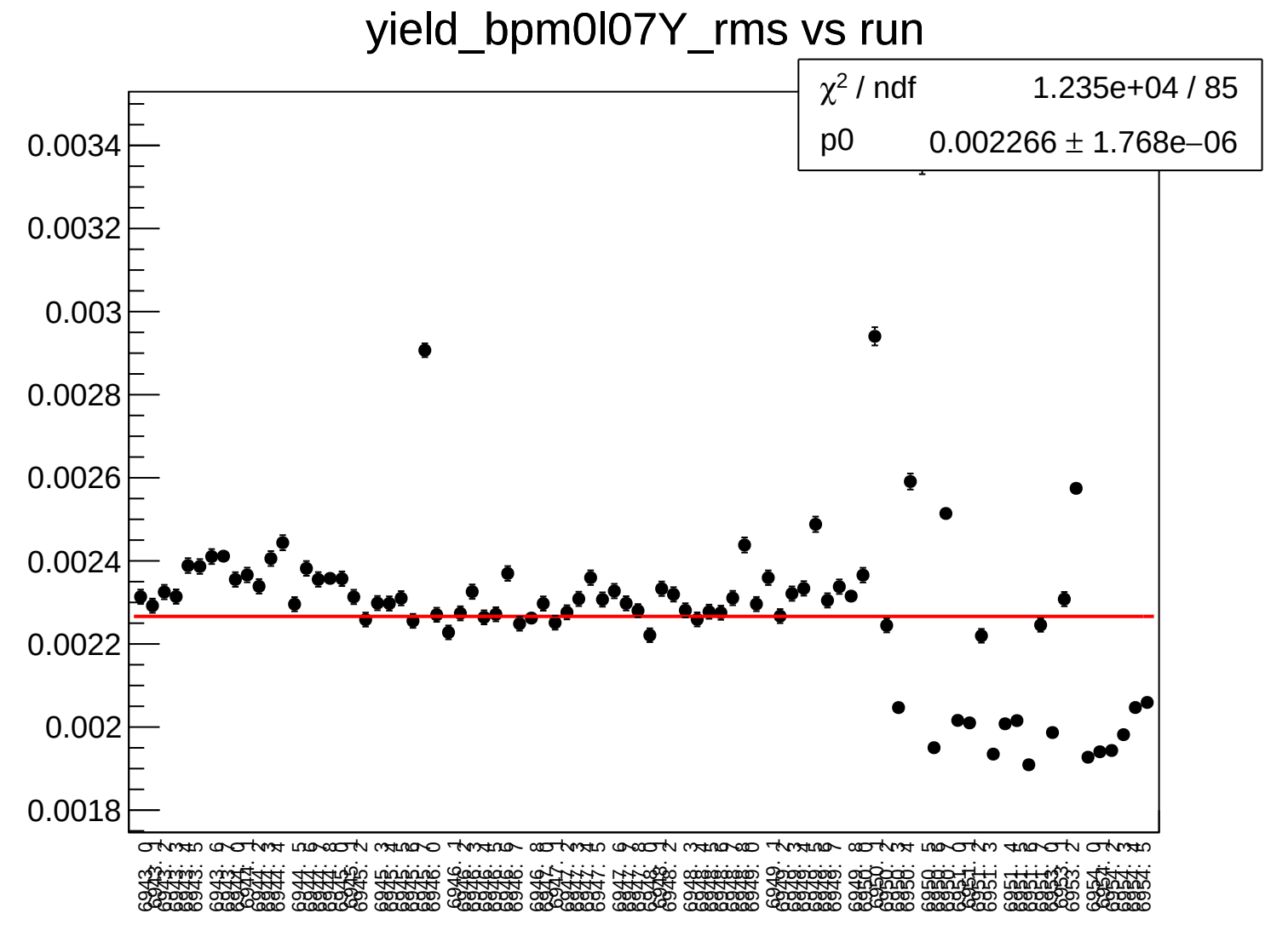

yield_bpm0l07X_mean vs run
χ² / ndf 3.001e+07 / 85
p0 −0.69 ± 1.368e−05
−0.6
−0.65
−0.7
−0.75
−0.8
−0.85
−0.9
pull
Entries 86
Mean −911.8
Std Dev 0
500
0
−500
−1000
−1500
−2000

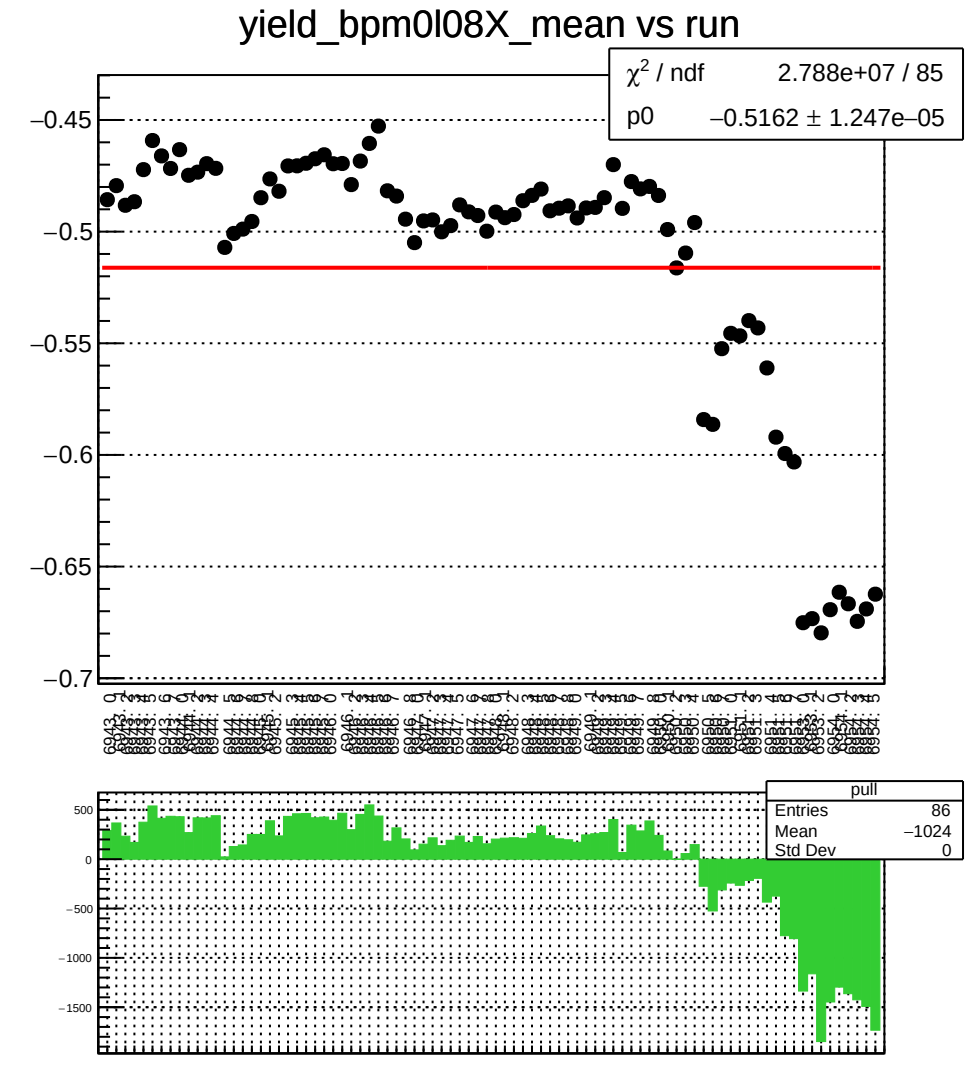

pull1D
Entries 86
Mean 7.881
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

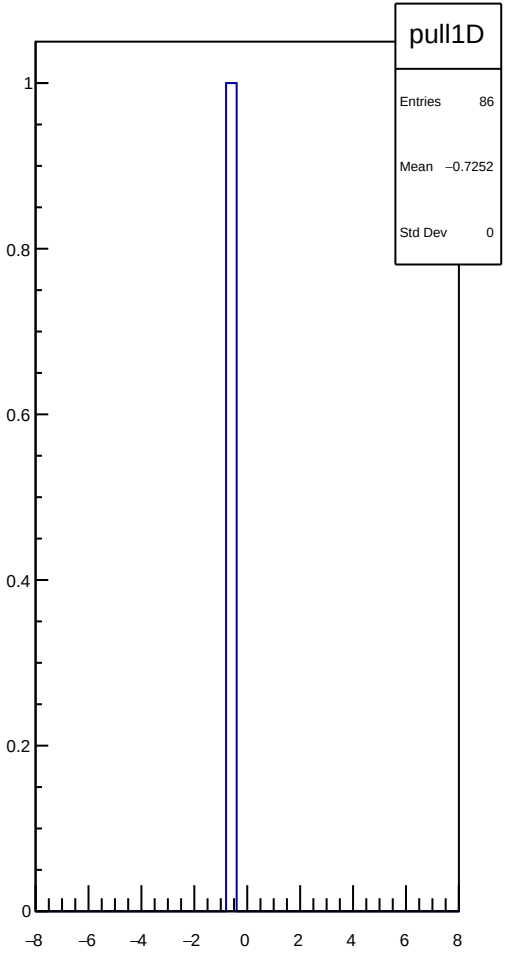

yield_bpm0l07X_rms vs run
χ² / ndf 6.084e+04 / 85
p0 0.01222 ± 9.672e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

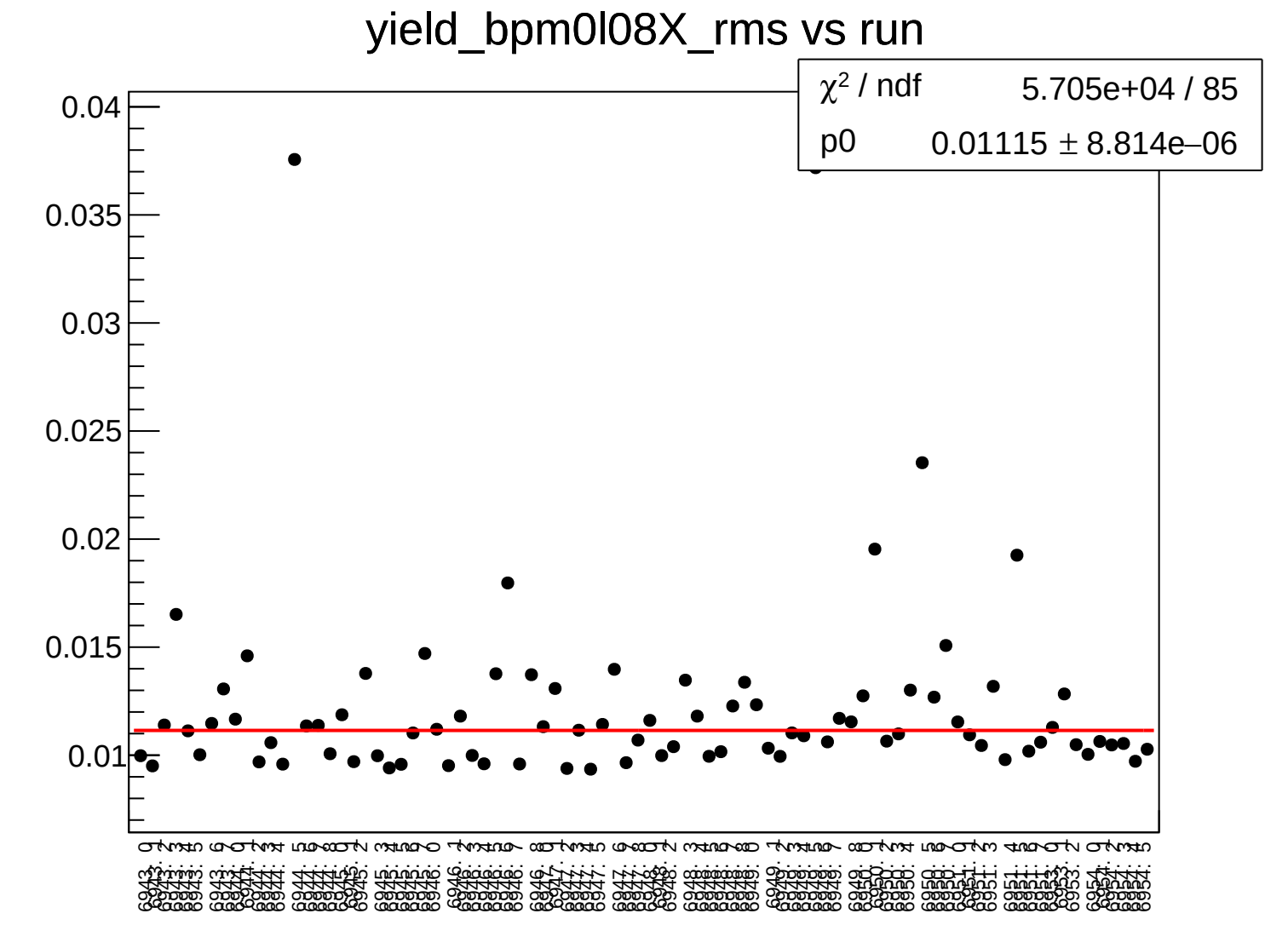

yield_bpm0l07Y_mean vs run
χ² / ndf 1.414e+06 / 85
p0 0.284 ± 2.5e–06
0.292
0.29
0.288
0.286
0.284
0.282
0.28
pull
Entries 86
Mean –340.2
Std Dev 0
400
300
200
100
0
–100
–200

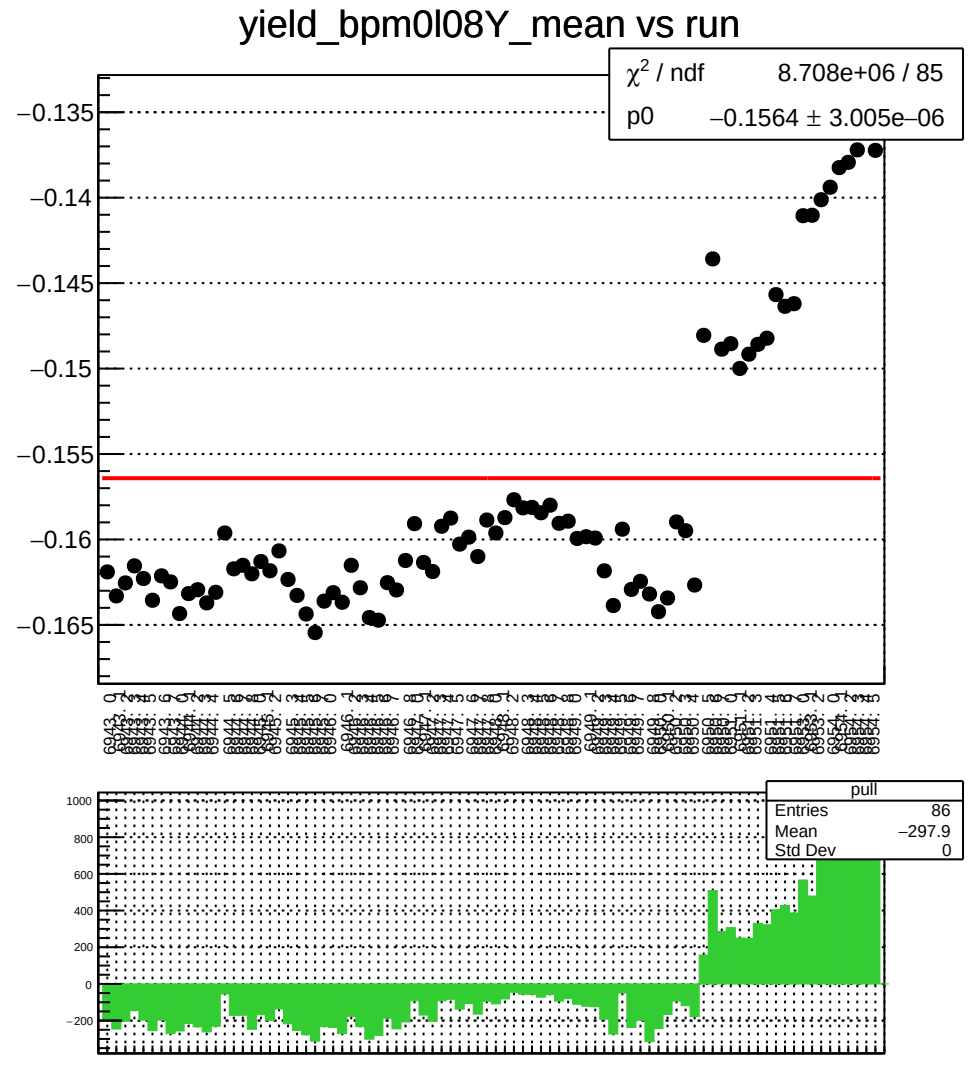

pull1D
Entries 86
Mean –3.144
Std Dev 5.009
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

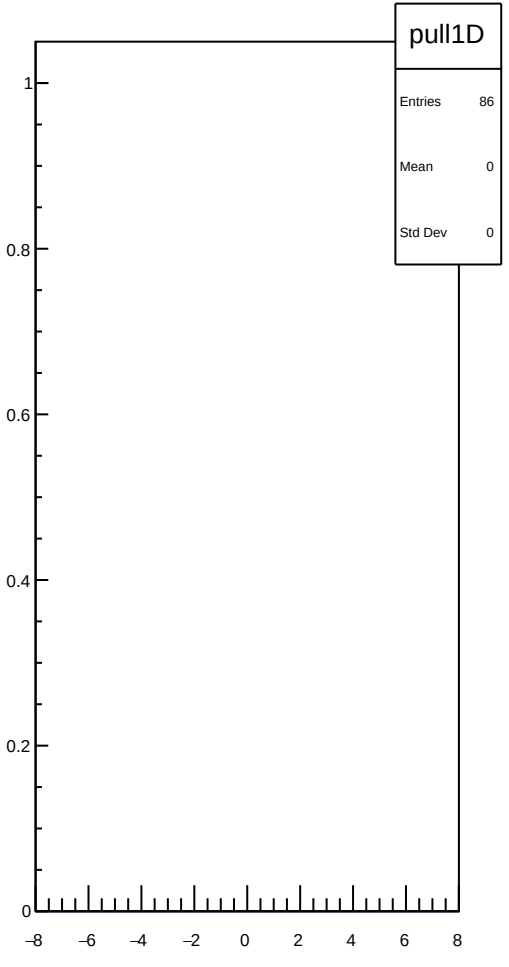

yield_bpm0l07Y_rms vs run
χ² / ndf 1.235e+04 / 85
p0 0.002266 ± 1.768e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

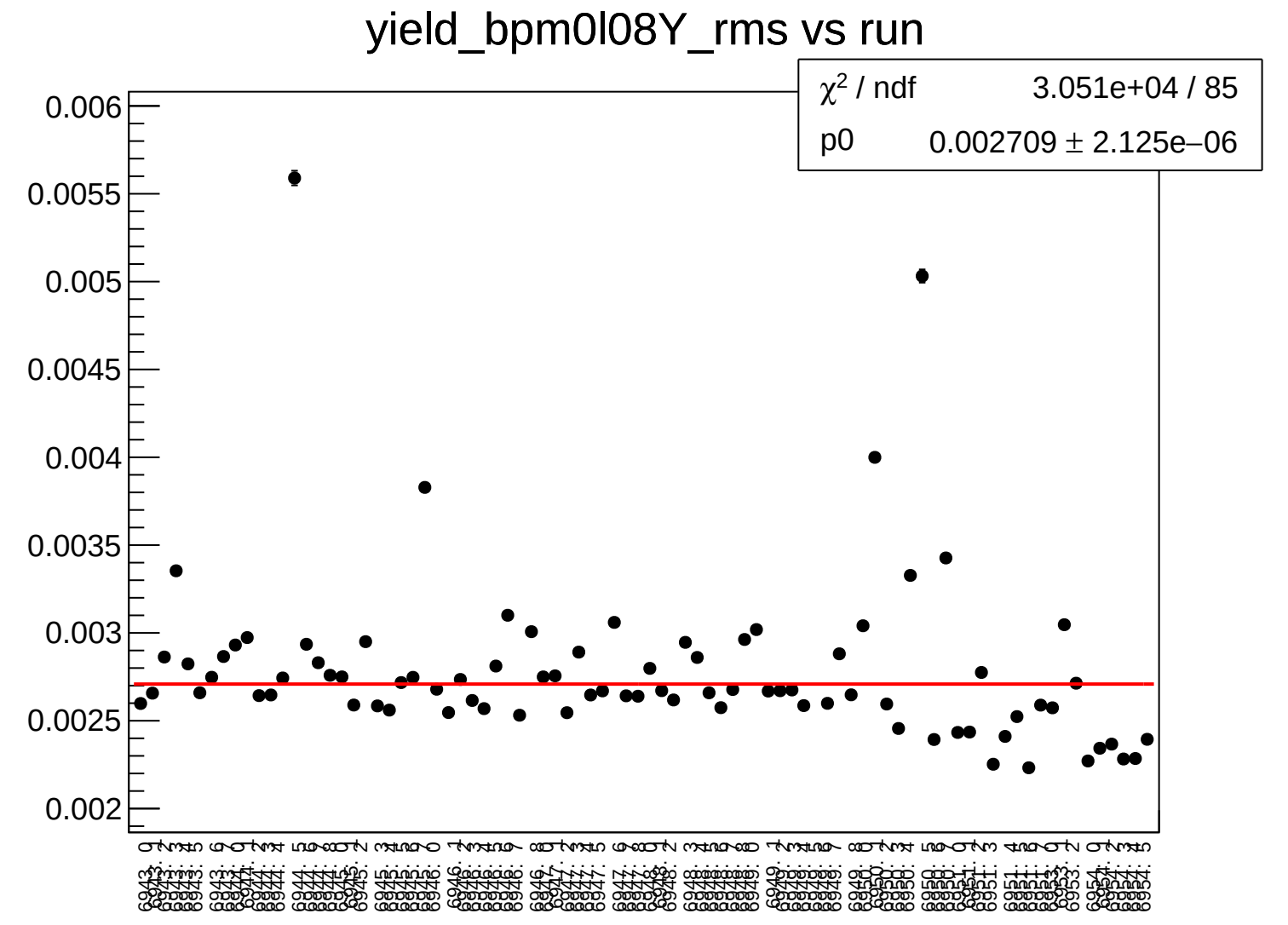

yield_bpm0l08X_mean vs run
χ² / ndf 2.788e+07 / 85
p0 −0.5162 ± 1.247e−05
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
pull
Entries 86
Mean −1024
Std Dev 0
500
0
−500
−1000
−1500

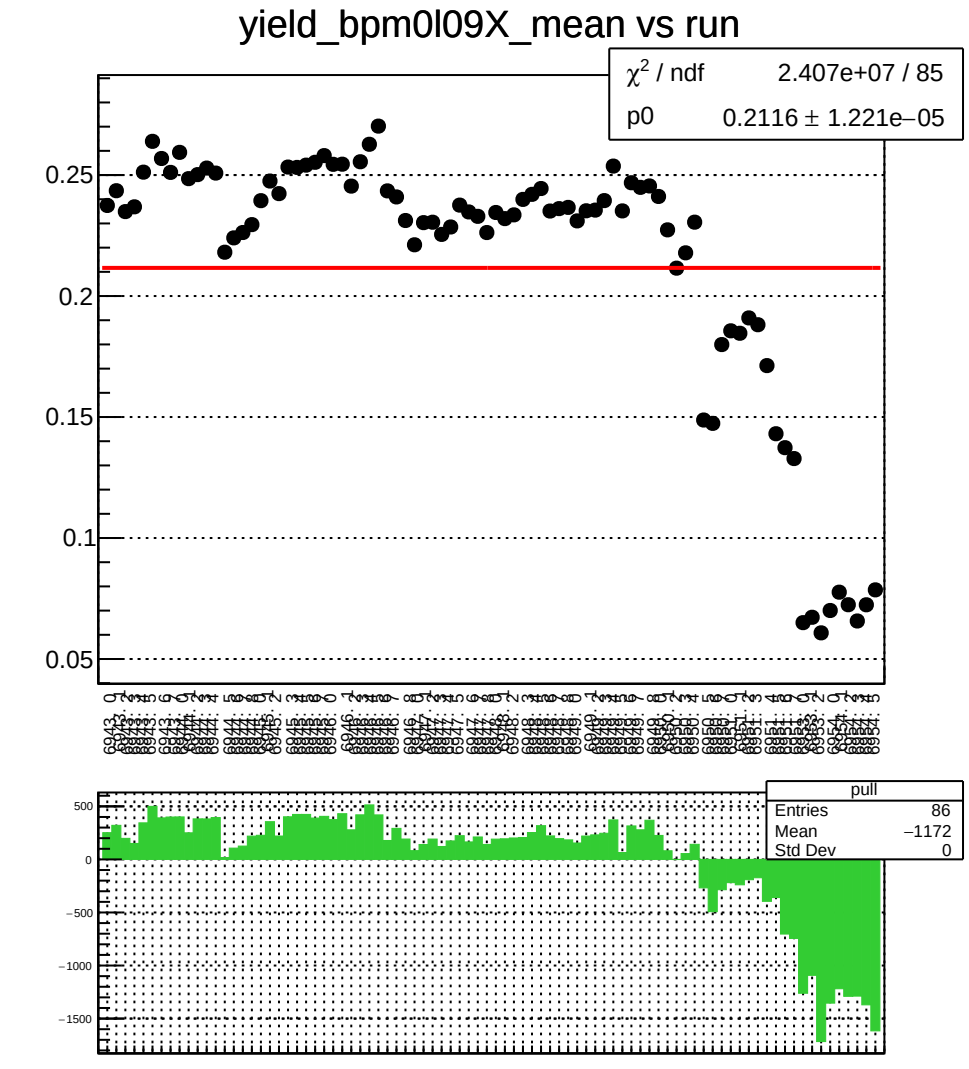

pull1D
Entries 86
Mean −0.7252
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

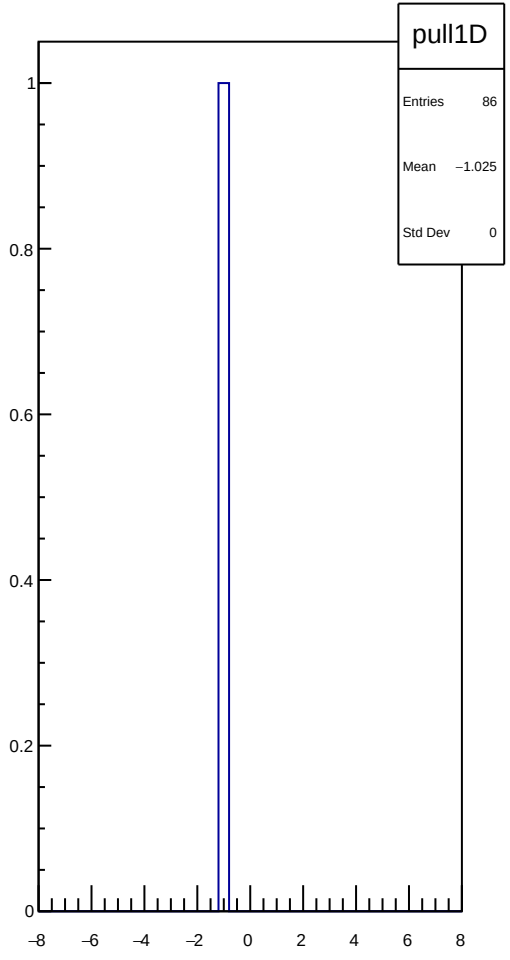

yield_bpm0l08X_rms vs run
χ² / ndf 5.705e+04 / 85
p0 0.01115 ± 8.814e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01

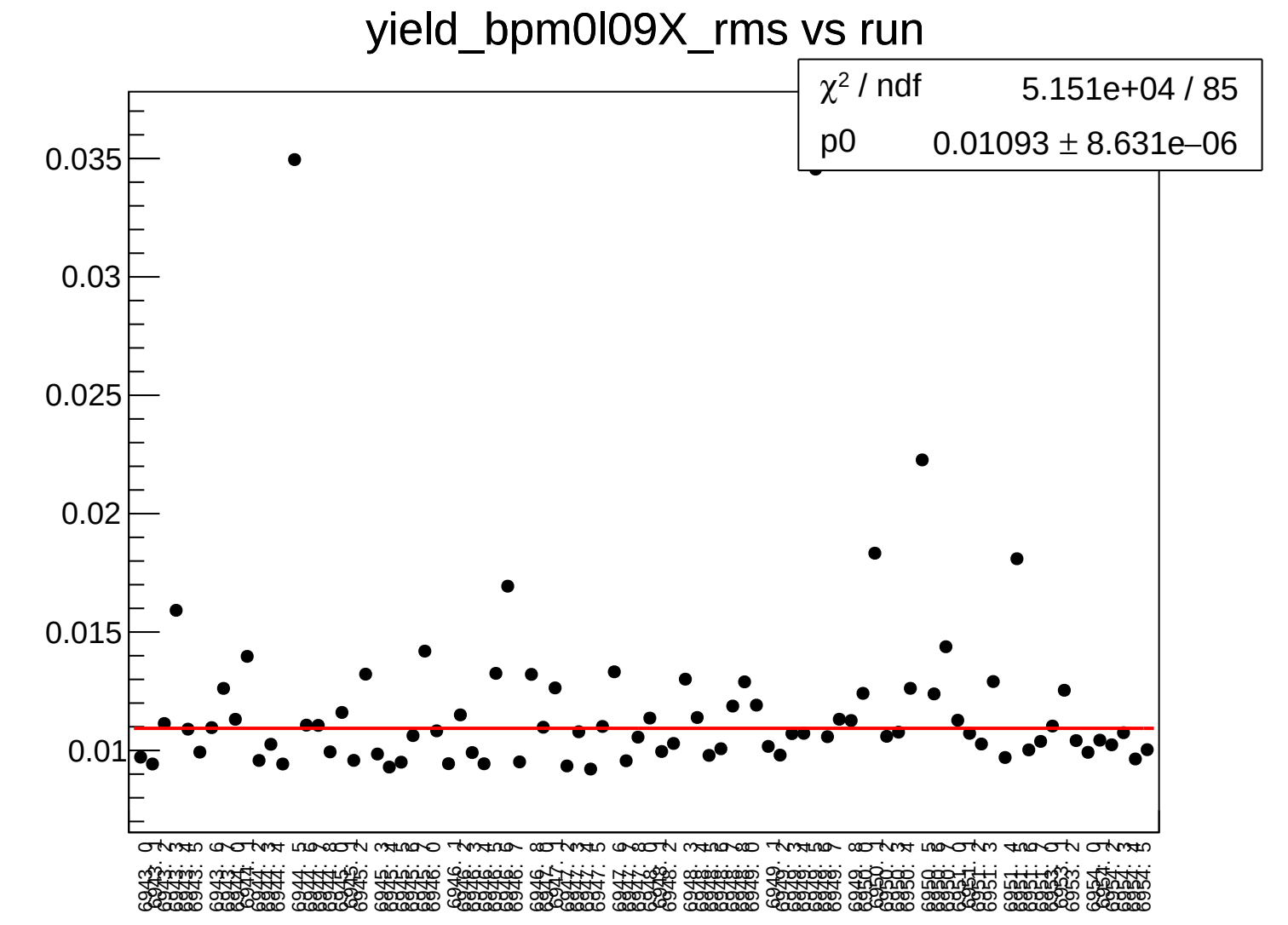

yield_bpm0l08Y_mean vs run
χ² / ndf 8.708e+06 / 85
p0 −0.1564 ± 3.005e−06
−0.135
−0.14
−0.145
−0.15
−0.155
−0.16
−0.165
pull
Entries 86
Mean −297.9
Std Dev 0
1000
800
600
400
200
0
−200

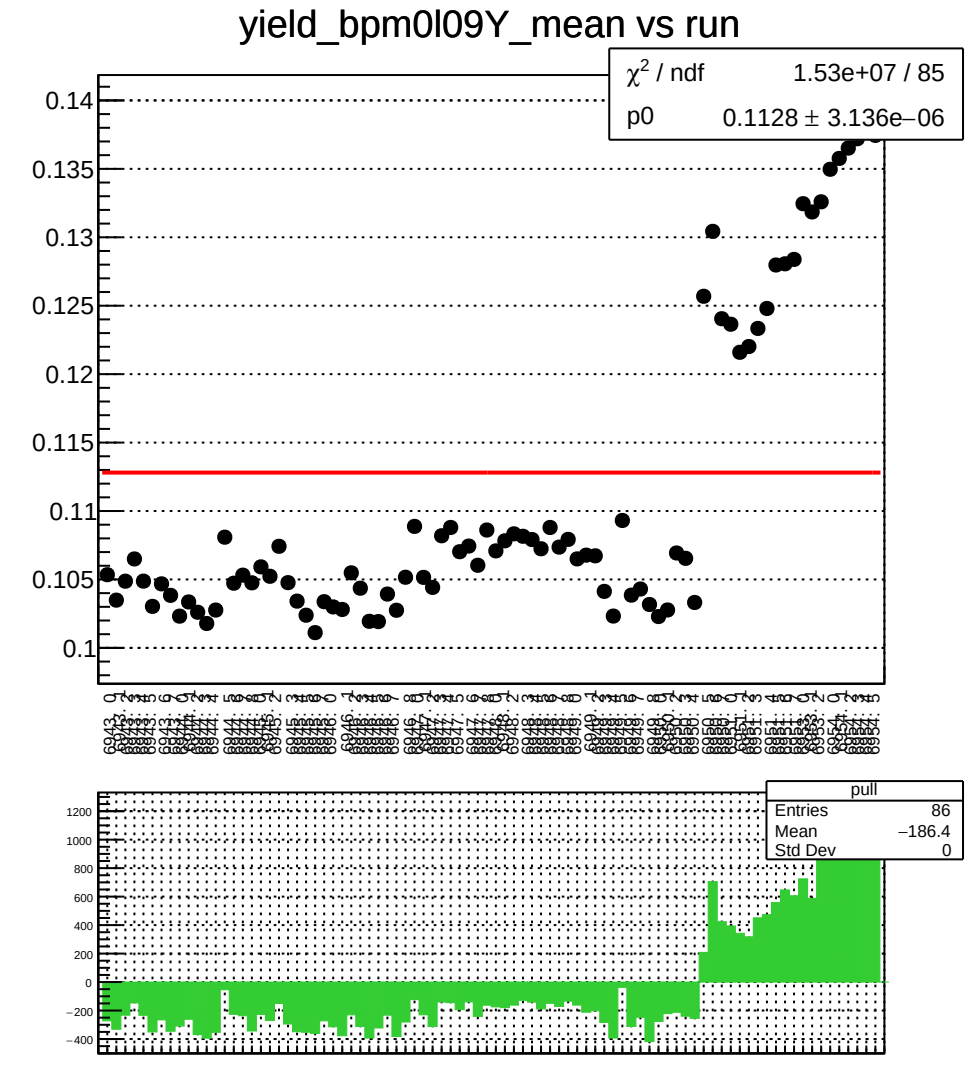

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

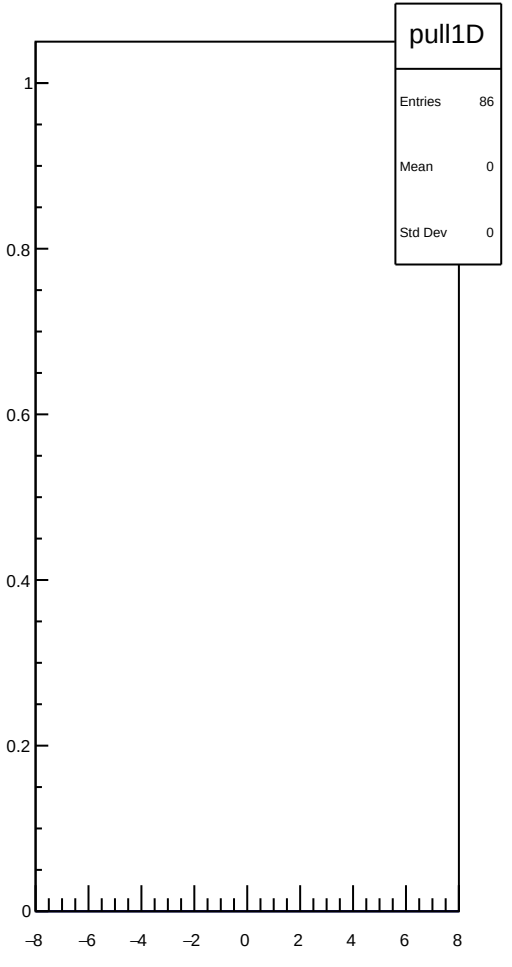

yield_bpm0l08Y_rms vs run
χ² / ndf 3.051e+04 / 85
p0 0.002709 ± 2.125e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

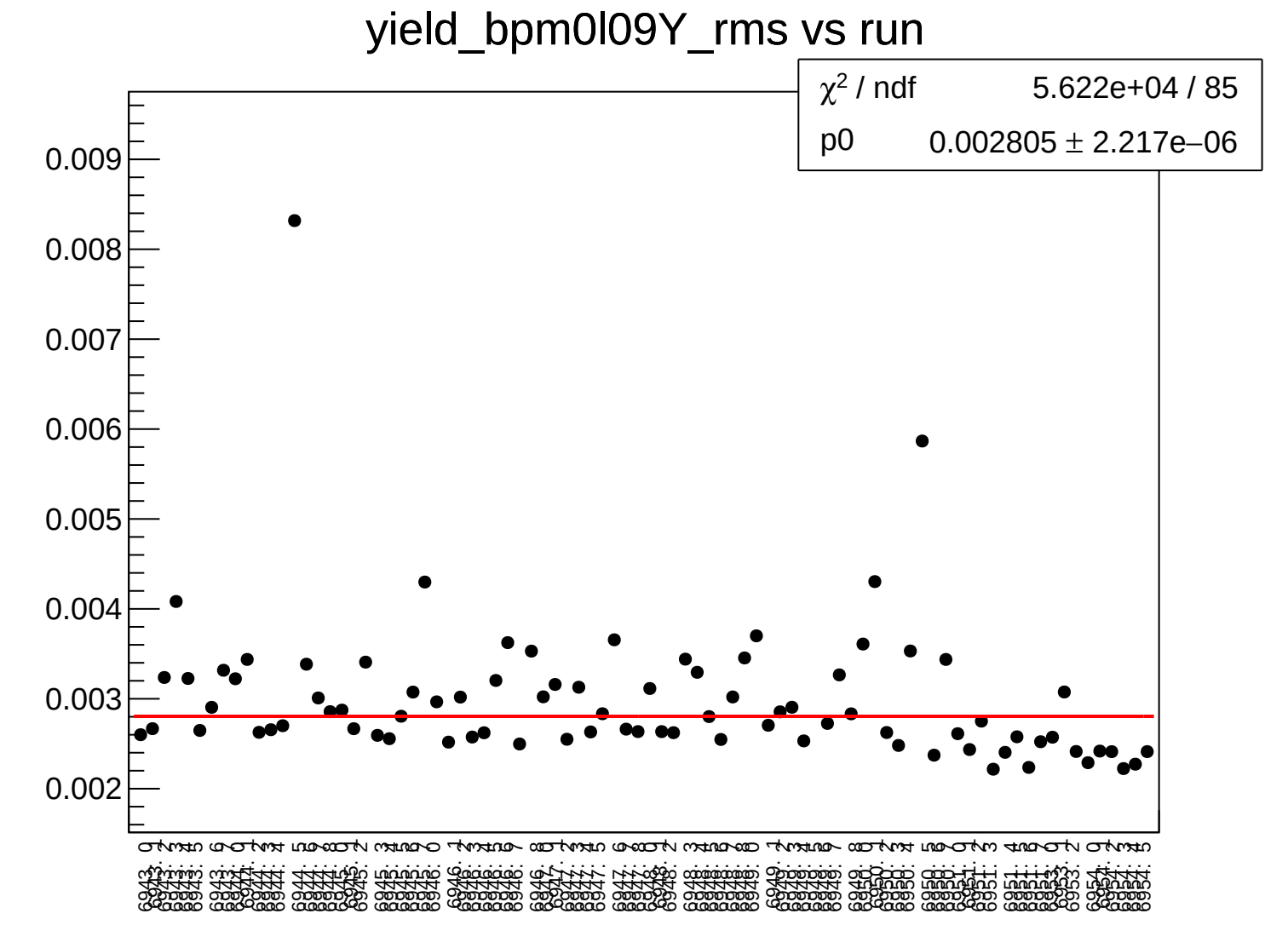

yield_bpm0l09X_mean vs run
χ² / ndf 2.407e+07 / 85
p0 0.2116 ± 1.221e−05
0.25
0.2
0.15
0.1
0.05
pull
Entries 86
Mean −1172
Std Dev 0
500
0
−500
−1000
−1500

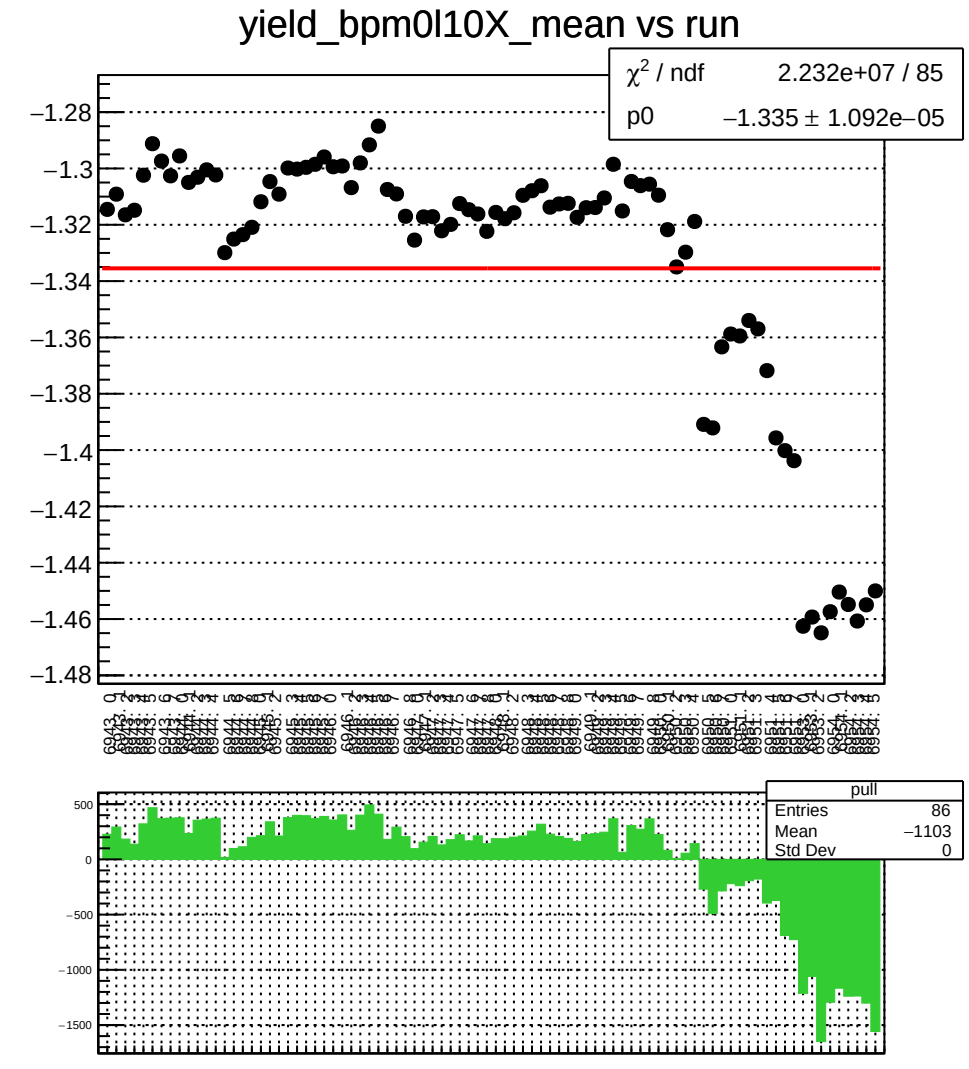

pull1D
Entries 86
Mean −1.025
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

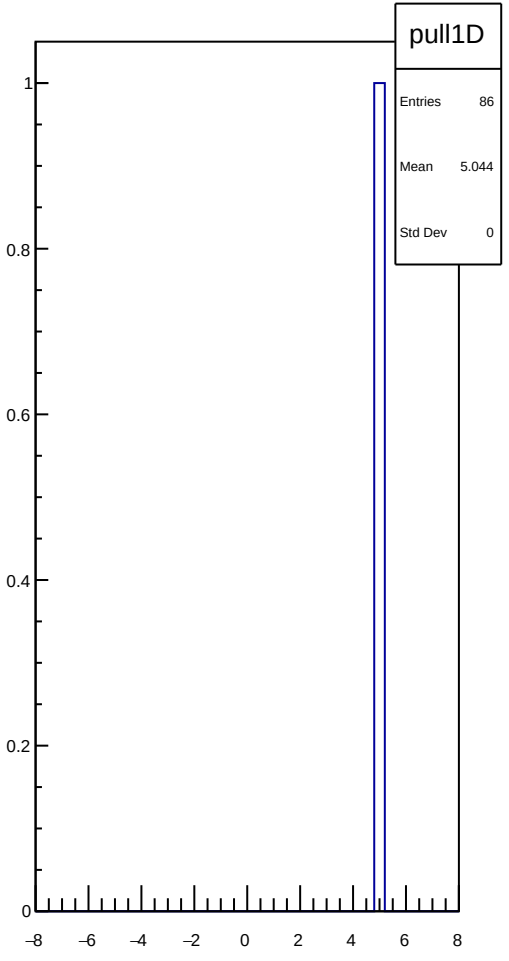

yield_bpm0l09X_rms vs run
χ² / ndf 5.151e+04 / 85
p0 0.01093 ± 8.631e–06
0.035
0.03
0.025
0.02
0.015
0.01

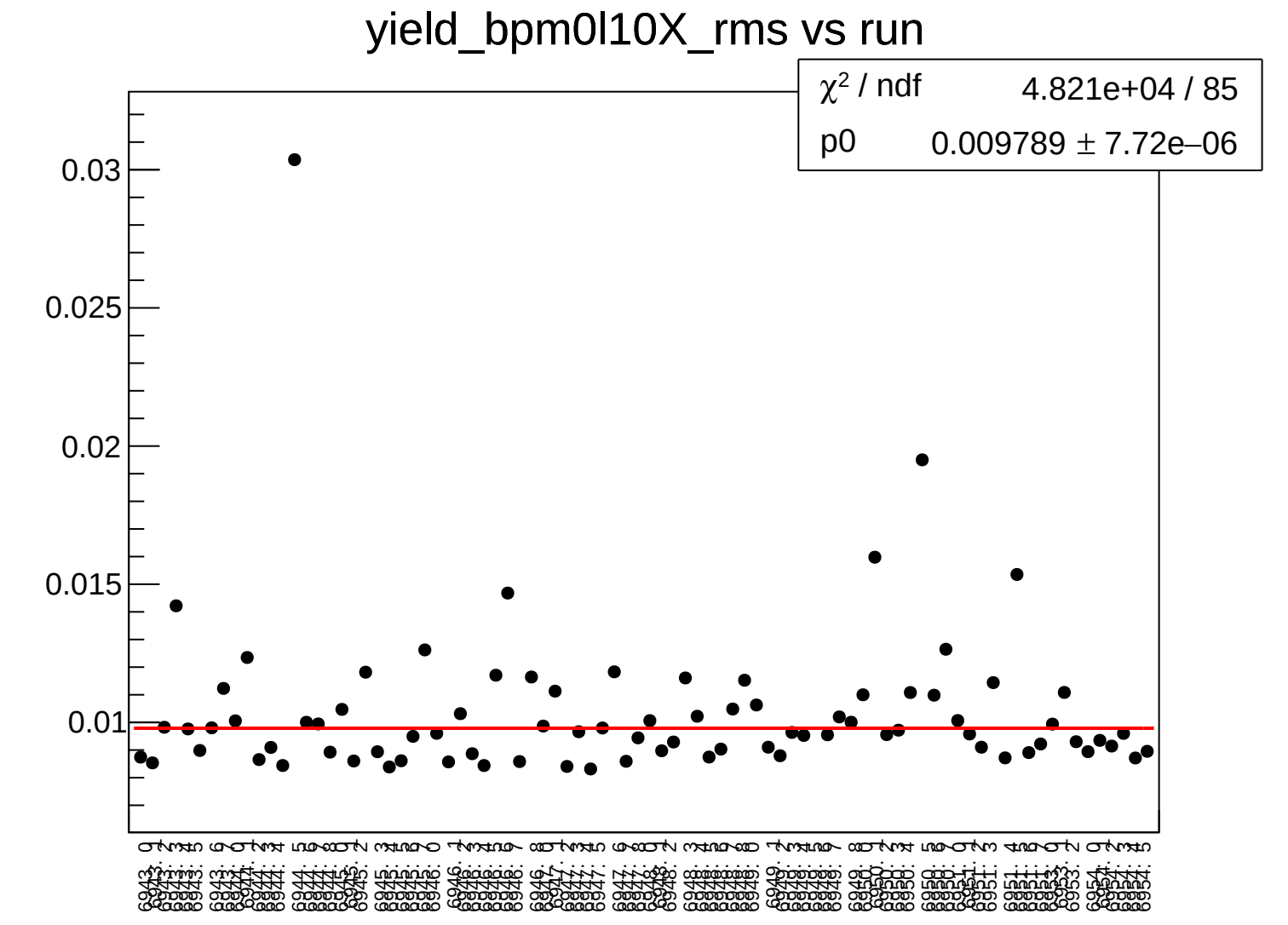

yield_bpm0l09Y_mean vs run
χ² / ndf 1.53e+07 / 85
p0 0.1128 ± 3.136e−06
0.14
0.135
0.13
0.125
0.12
0.115
0.11
0.105
0.1
pull
Entries 86
Mean −186.4
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

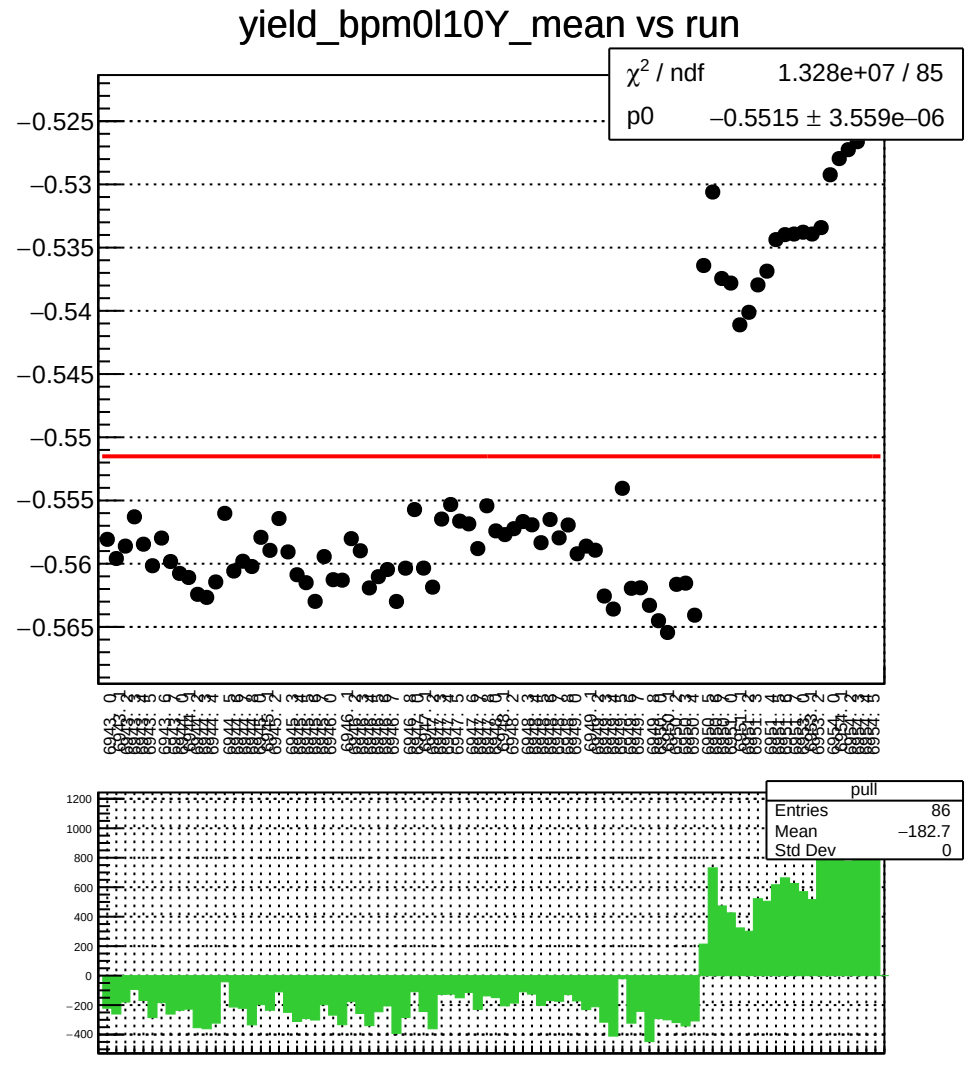

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

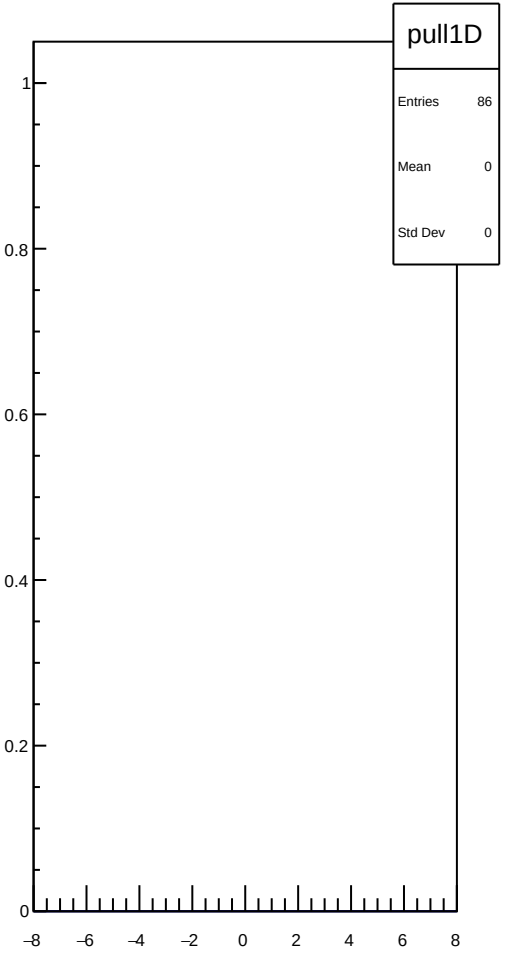

yield_bpm0l09Y_rms vs run
χ² / ndf 5.622e+04 / 85
p0 0.002805 ± 2.217e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

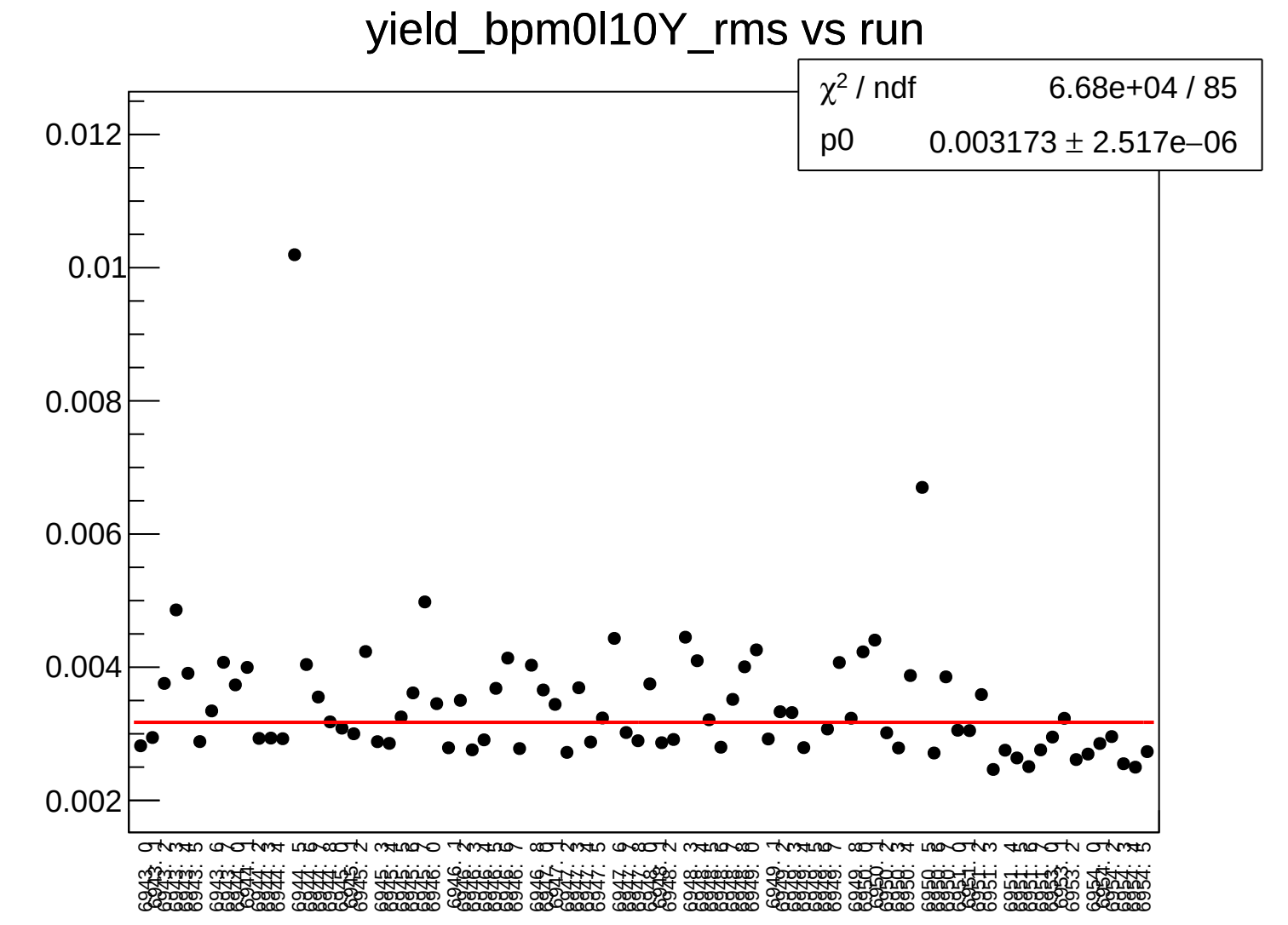

yield_bpm0l10X_mean vs run
χ² / ndf 2.232e+07 / 85
p0 −1.335 ± 1.092e−05
−1.28
−1.3
−1.32
−1.34
−1.36
−1.38
−1.4
−1.42
−1.44
−1.46
−1.48
pull
Entries 86
Mean −1103
Std Dev 0
500
0
−500
−1000
−1500

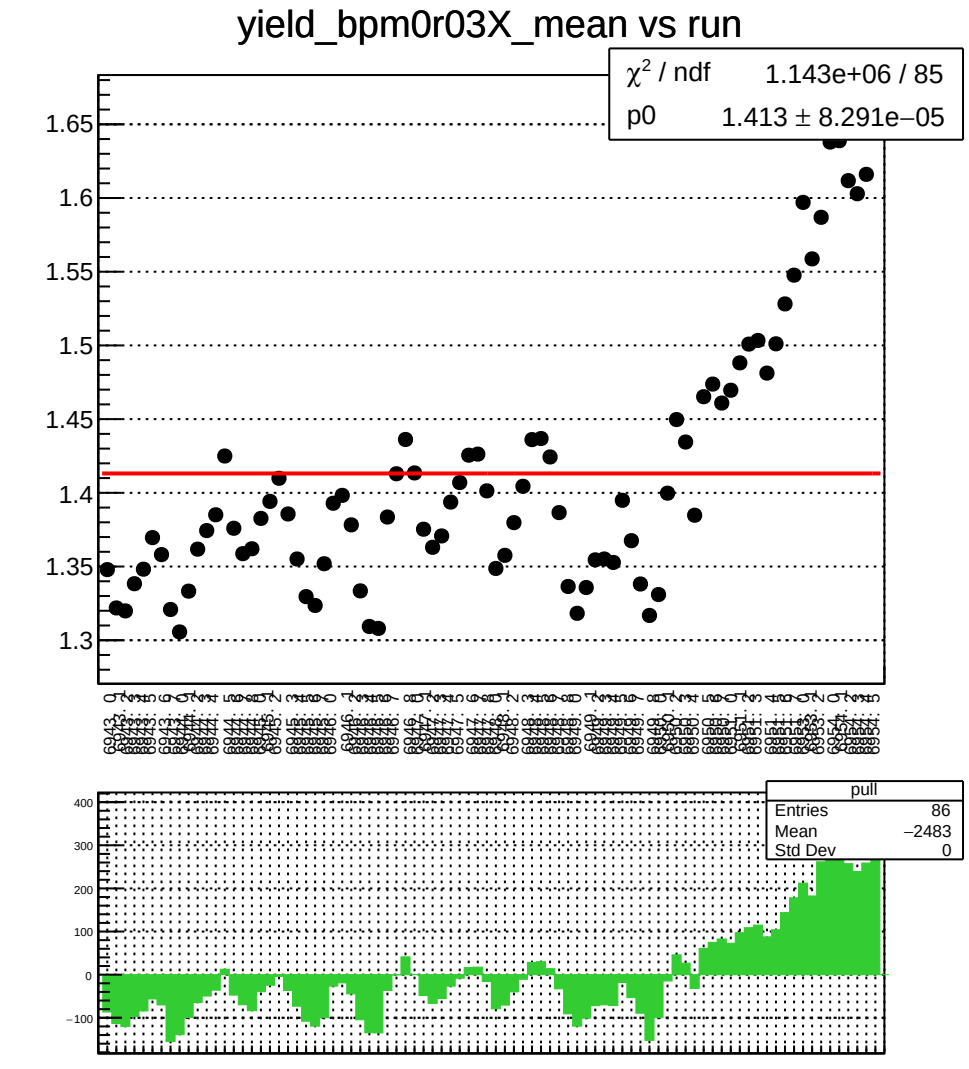

pull1D
Entries 86
Mean 5.044
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

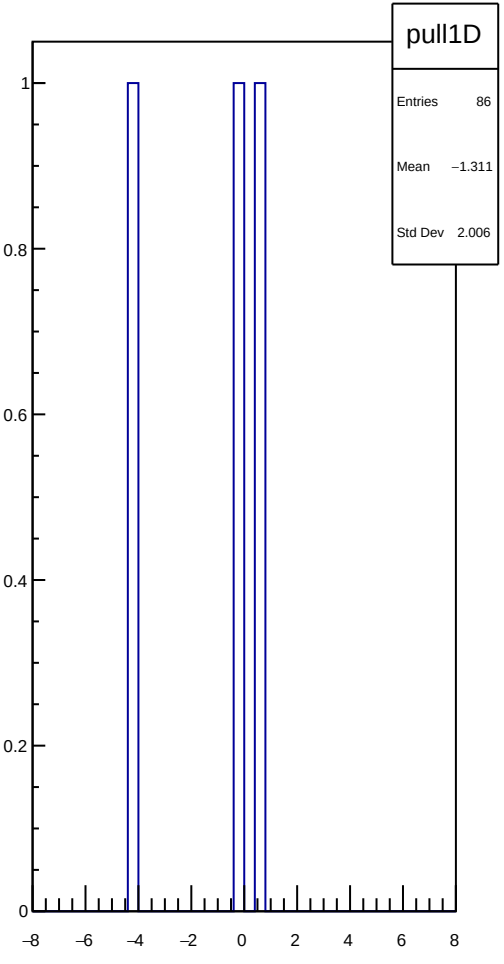

yield_bpm0l10X_rms vs run
χ² / ndf 4.821e+04 / 85
p0 0.009789 ± 7.72e–06
0.03
0.025
0.02
0.015
0.01

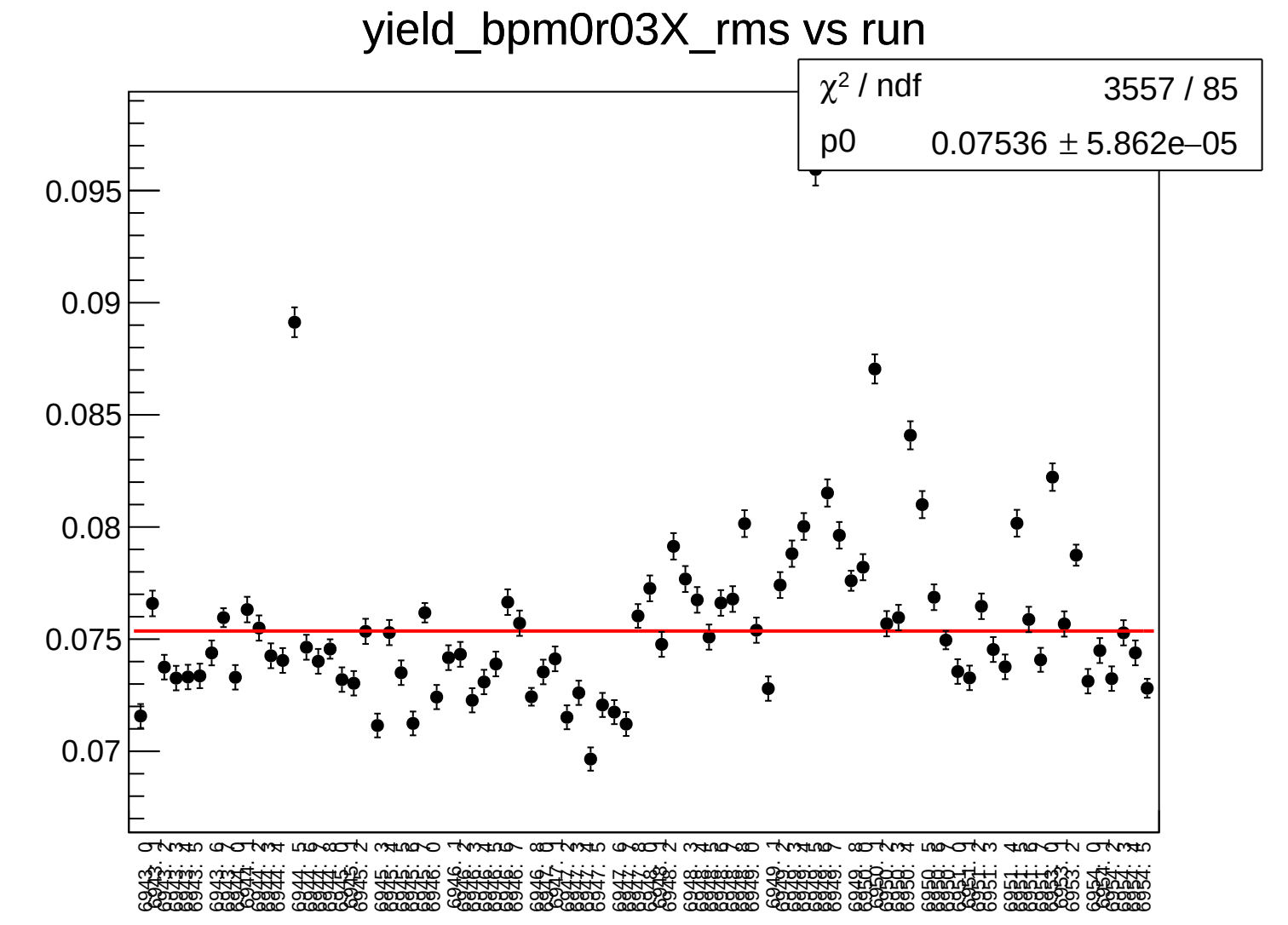

yield_bpm0l10Y_mean vs run
χ² / ndf 1.328e+07 / 85
p0 −0.5515 ± 3.559e−06
−0.525
−0.53
−0.535
−0.54
−0.545
−0.55
−0.555
−0.56
−0.565
pull
Entries 86
Mean −182.7
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

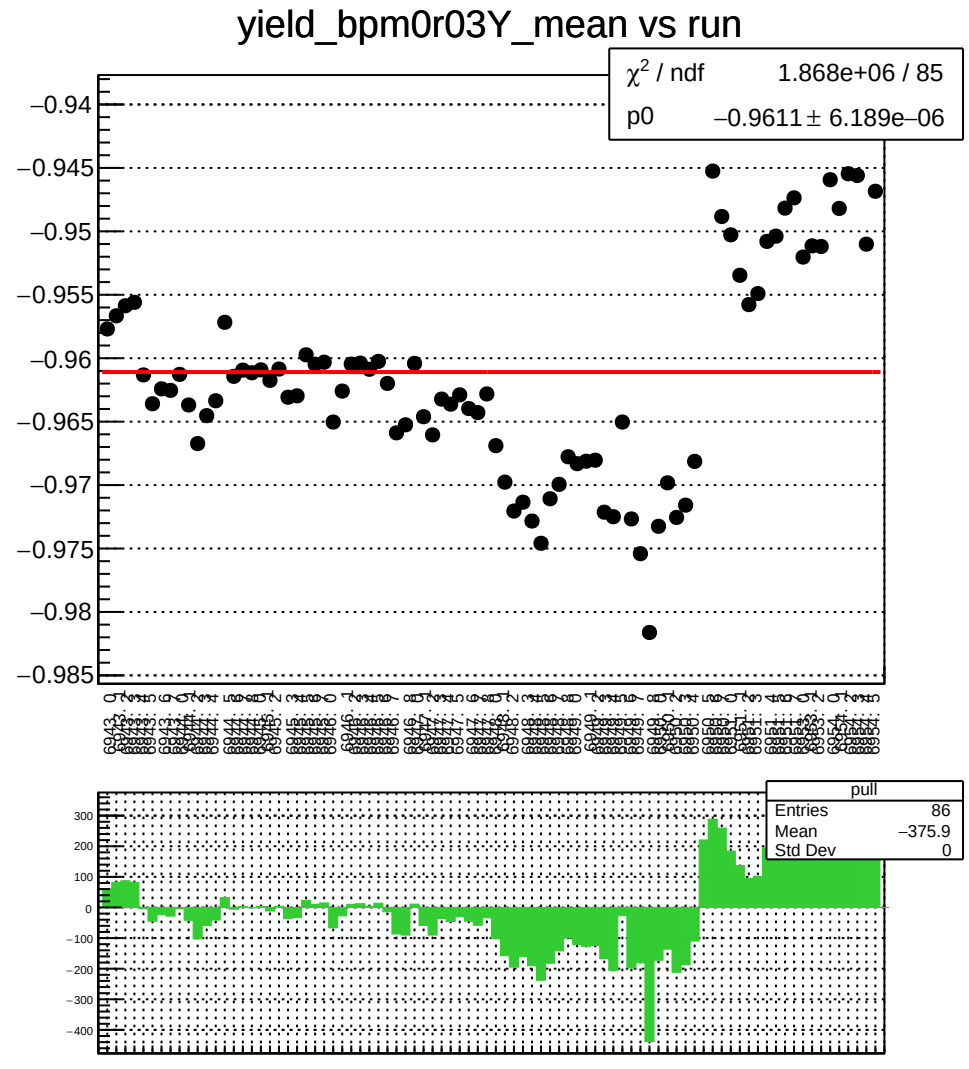

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

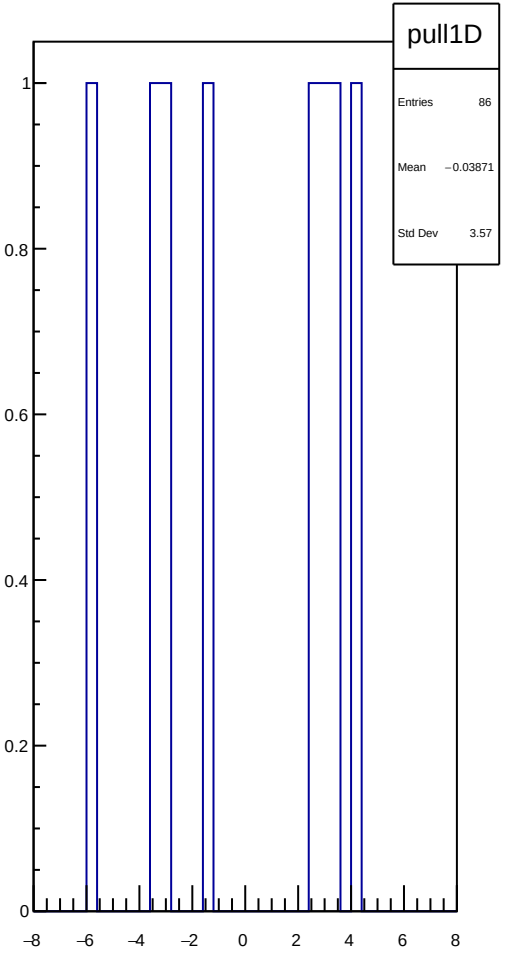

yield_bpm0l10Y_rms vs run
χ² / ndf 6.68e+04 / 85
p0 0.003173 ± 2.517e−06
0.012
0.01
0.008
0.006
0.004
0.002

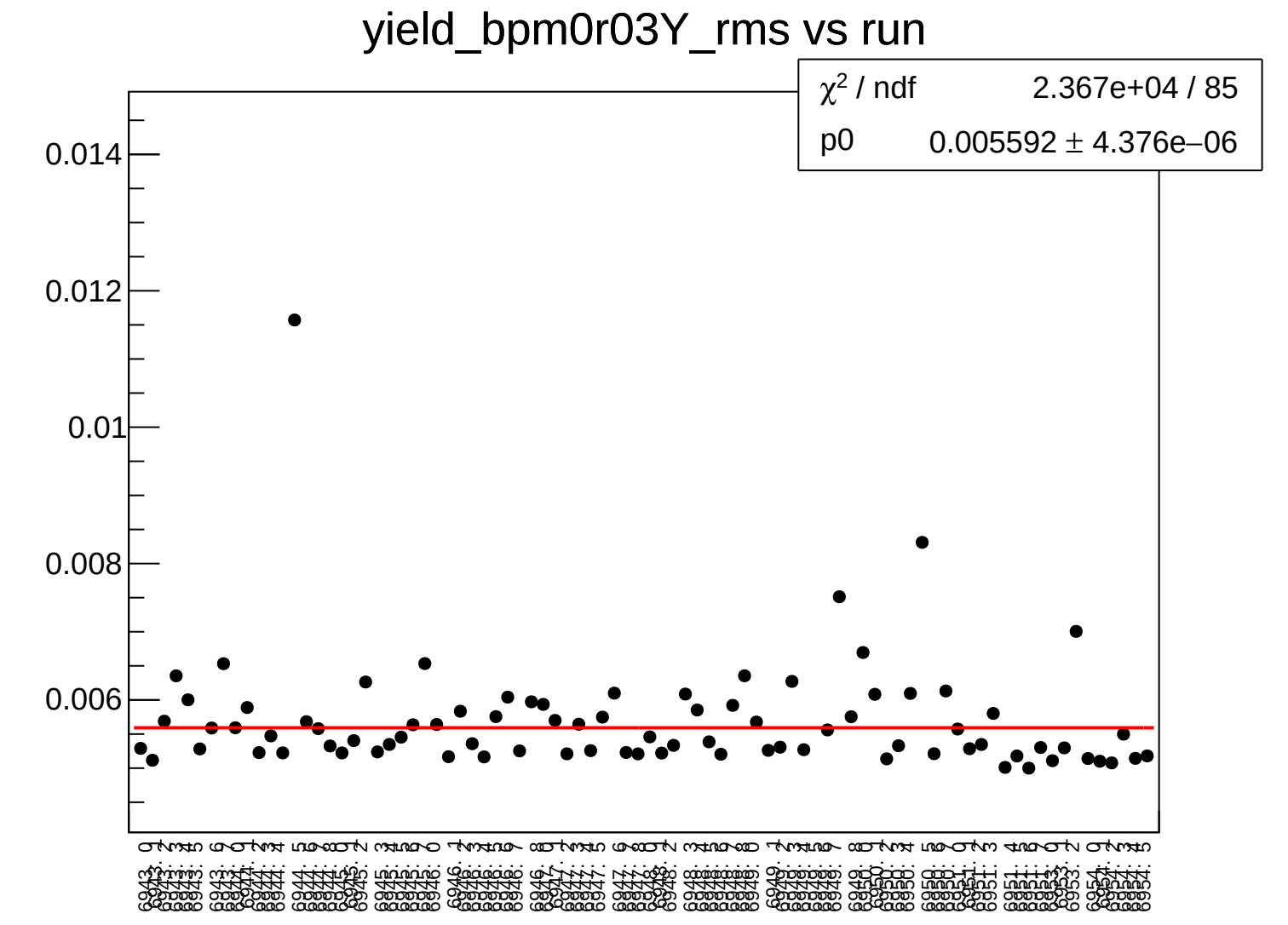

yield_bpm0r03X_mean vs run
χ² / ndf 1.143e+06 / 85
p0 1.413 ± 8.291e−05
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 86
Mean −2483
Std Dev 0
400
300
200
100
0
−100

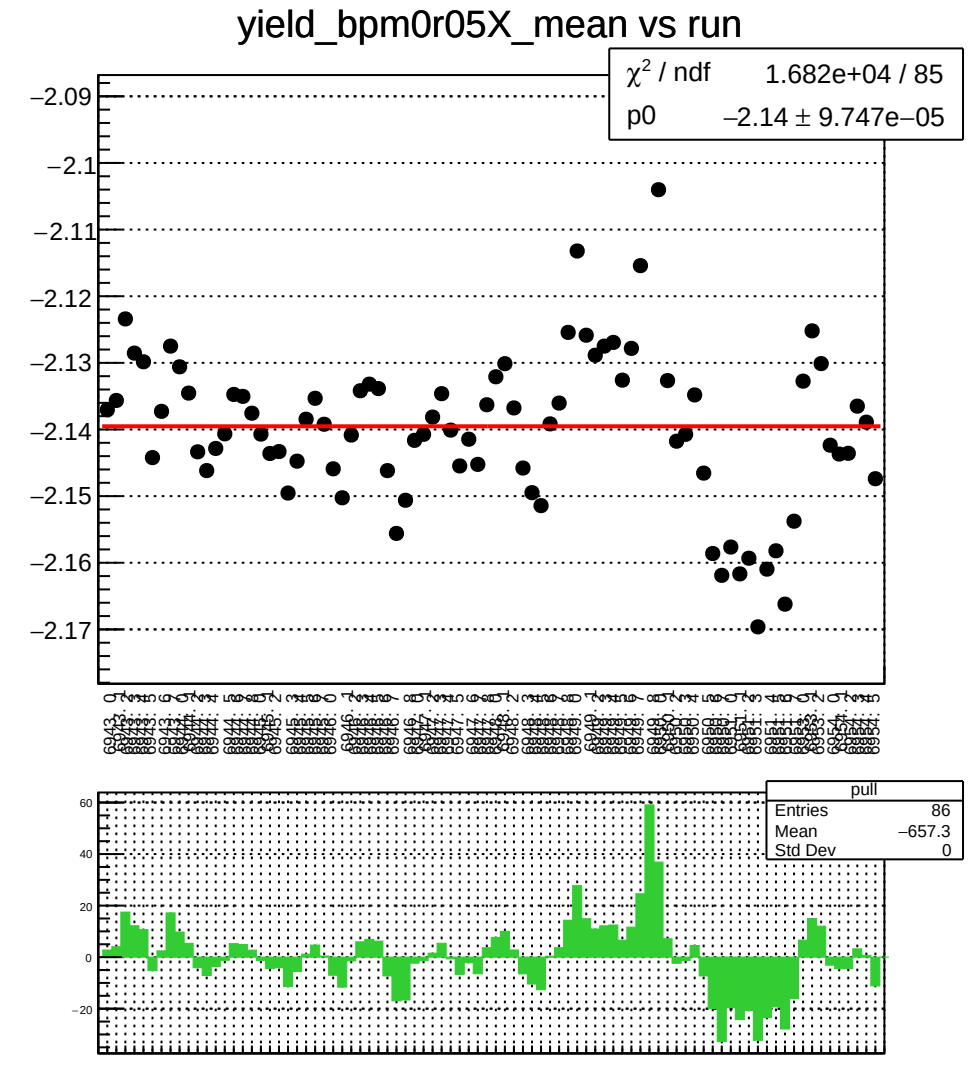

pull1D
Entries 86
Mean −1.311
Std Dev 2.006
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

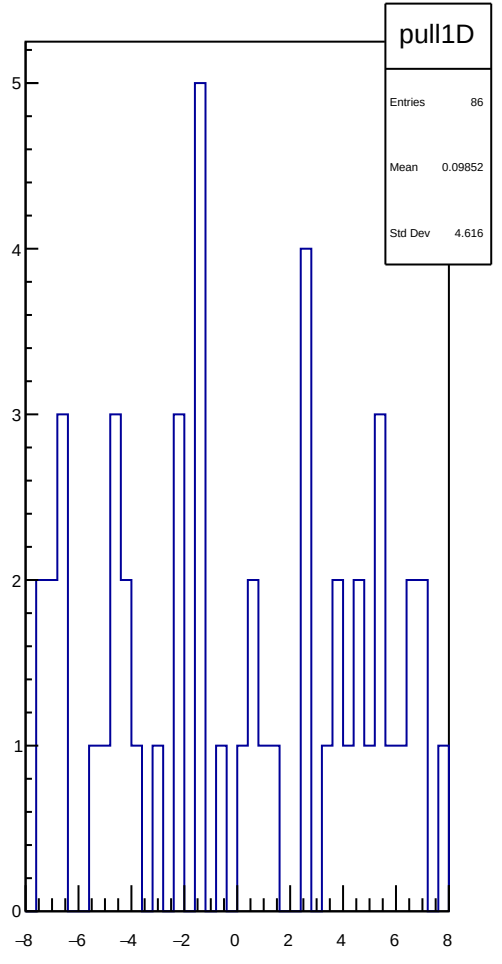

yield_bpm0r03X_rms vs run
χ² / ndf 3557 / 85
p0 0.07536 ± 5.862e−05
0.095
0.09
0.085
0.08
0.075
0.07

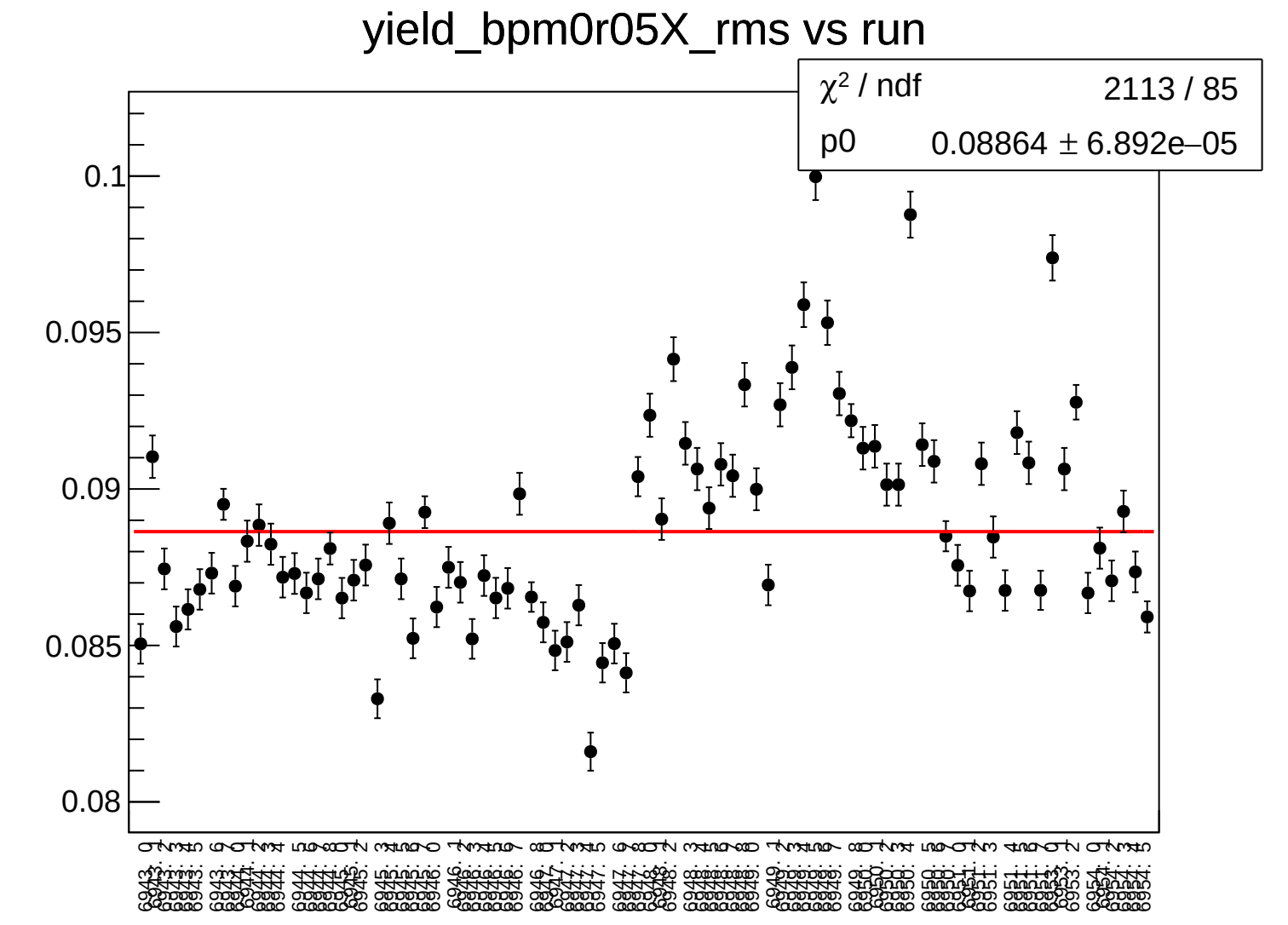

yield_bpm0r03Y_mean vs run
χ² / ndf 1.868e+06 / 85
p0 −0.9611 ± 6.189e−06
−0.94
−0.945
−0.95
−0.955
−0.96
−0.965
−0.97
−0.975
−0.98
−0.985
pull
Entries 86
Mean −375.9
Std Dev 0
300
200
100
0
−100
−200
−300
−400

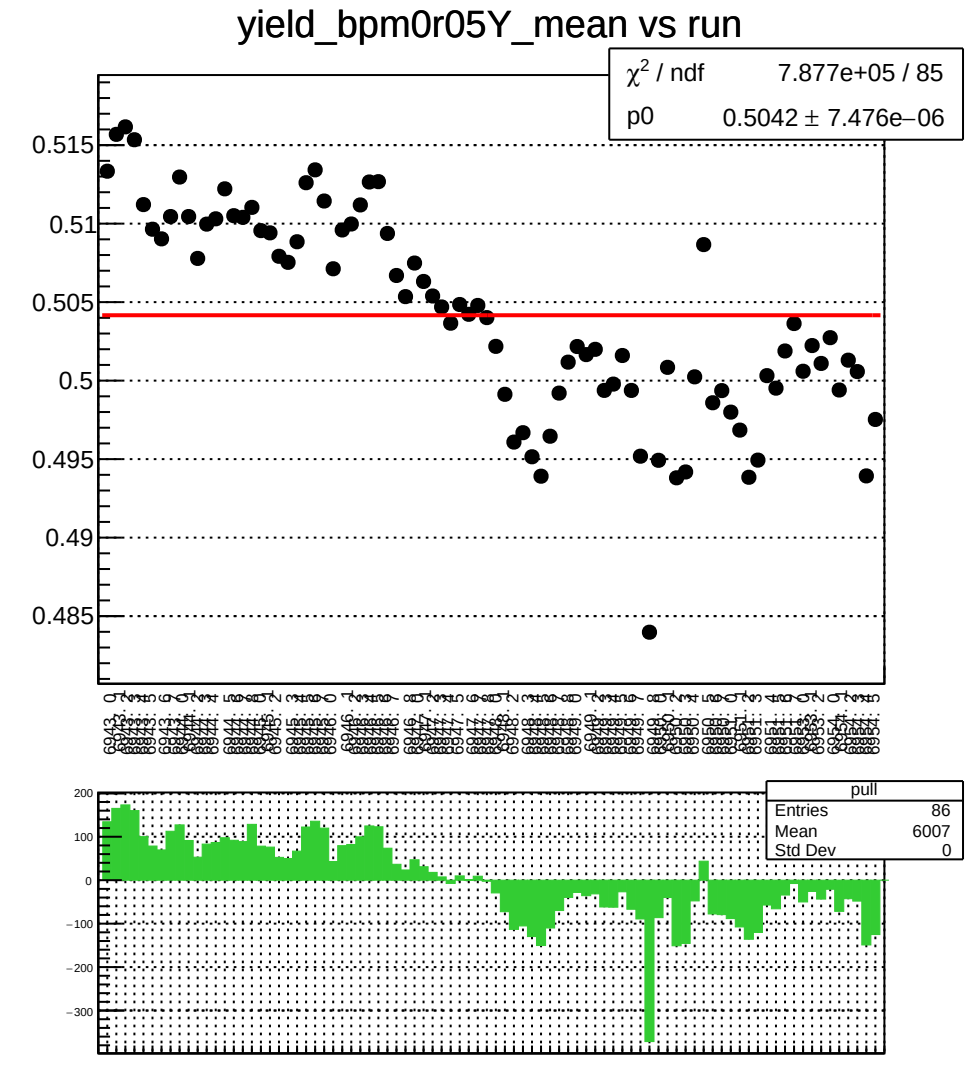

pull1D
Entries 86
Mean −0.03871
Std Dev 3.57
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

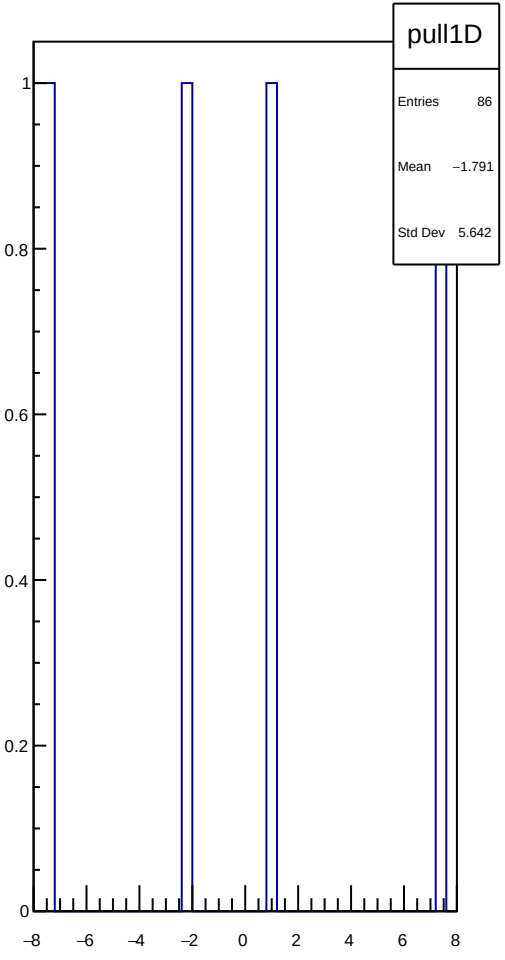

yield_bpm0r03Y_rms vs run
χ² / ndf 2.367e+04 / 85
p0 0.005592 ± 4.376e−06
0.014
0.012
0.01
0.008
0.006

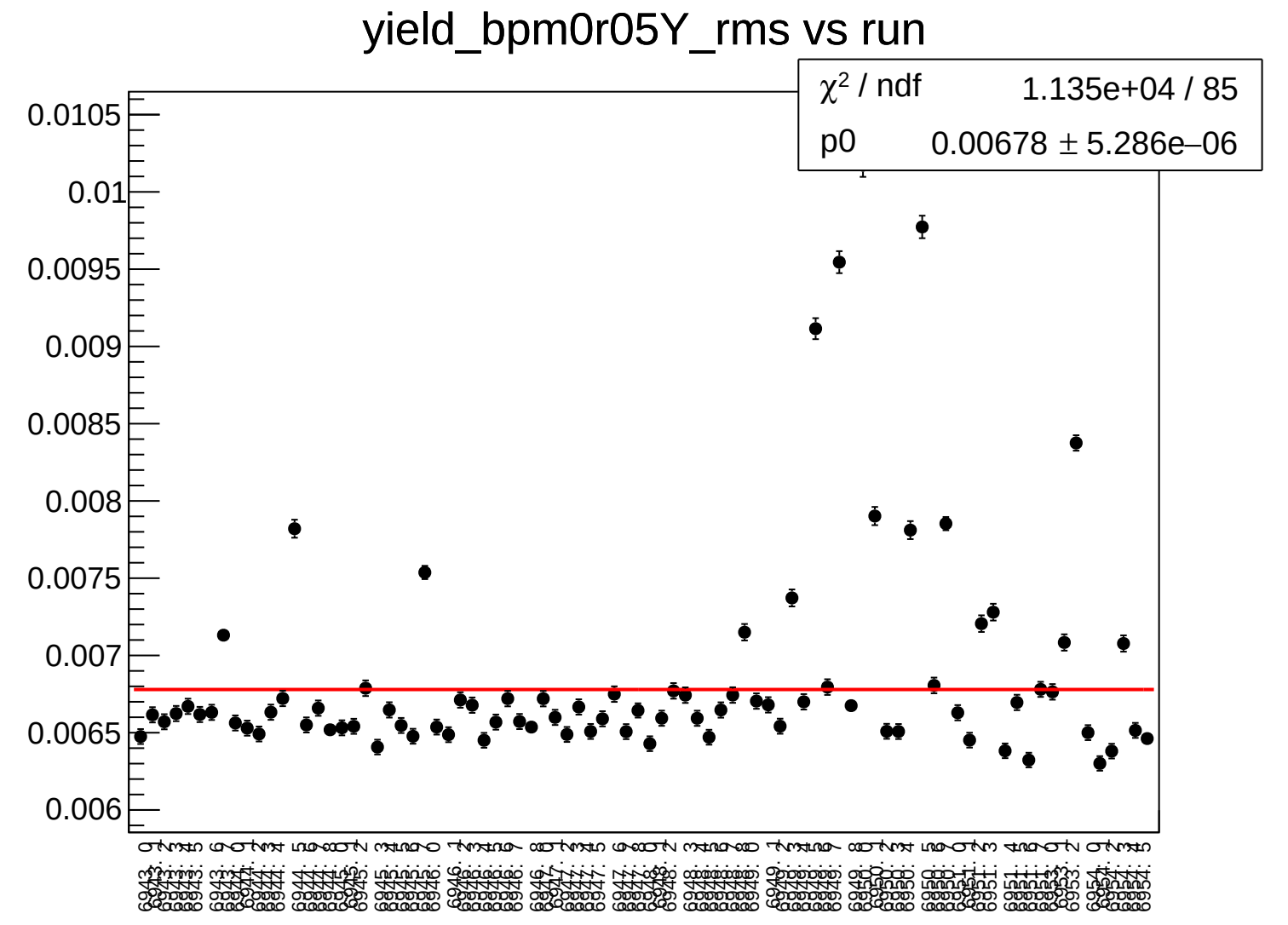

yield_bpm0r05X_mean vs run
χ² / ndf 1.682e+04 / 85
p0 −2.14 ± 9.747e−05
−2.09
−2.1
−2.11
−2.12
−2.13
−2.14
−2.15
−2.16
−2.17
pull
Entries 86
Mean −657.3
Std Dev 0
60
40
20
0
−20

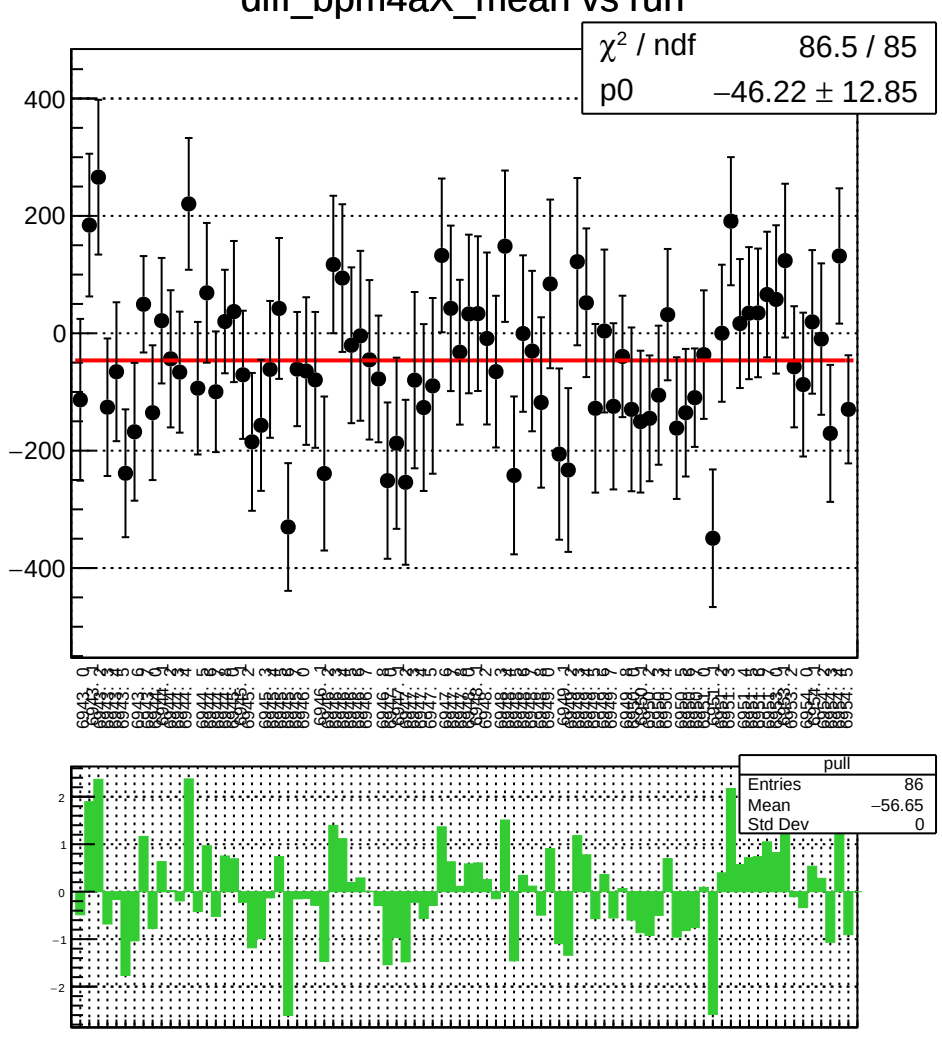

pull1D
Entries 86
Mean 0.09852
Std Dev 4.616
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

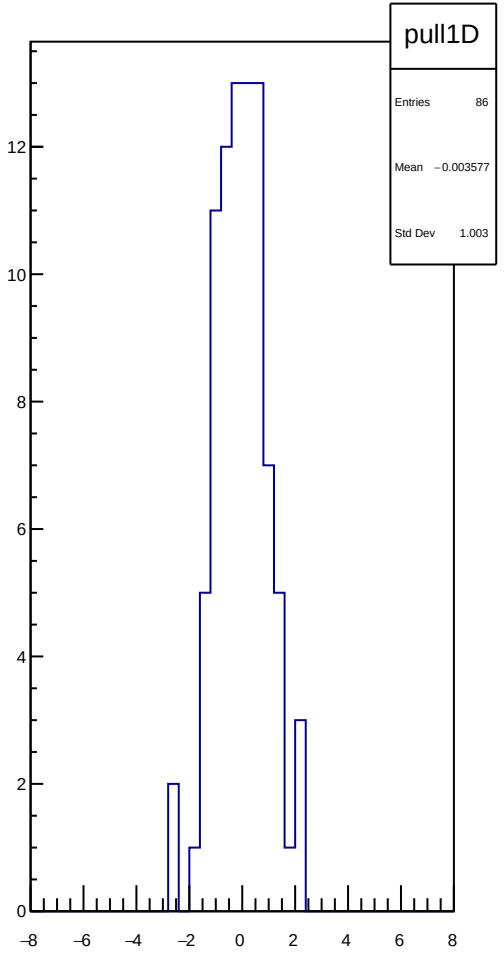

yield_bpm0r05X_rms vs run
χ² / ndf 2113 / 85
p0 0.08864 ± 6.892e−05
0.1
0.095
0.09
0.085
0.08

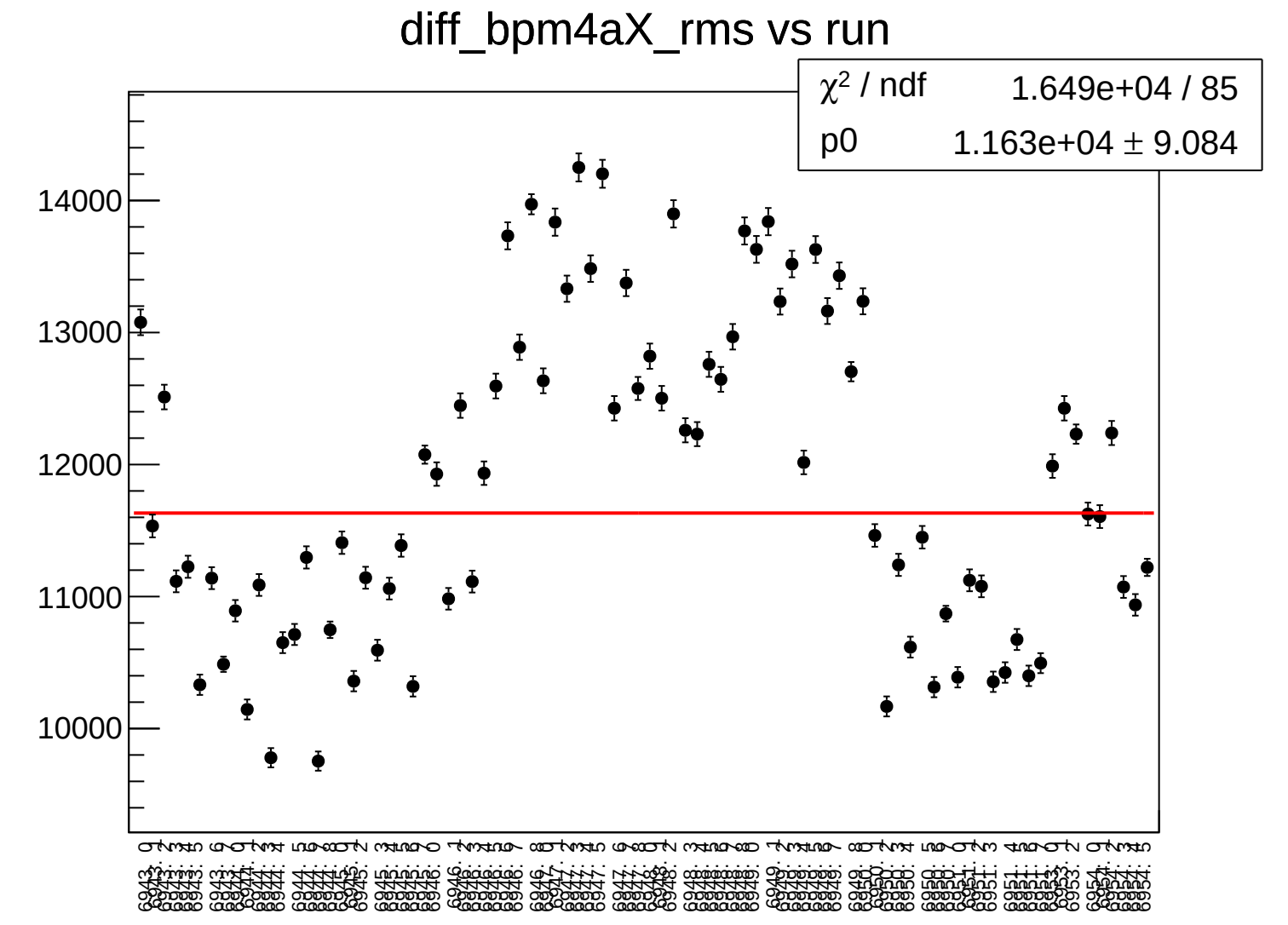

yield_bpm0r05Y_mean vs run
χ² / ndf 7.877e+05 / 85
p0 0.5042 ± 7.476e−06
0.515
0.51
0.505
0.5
0.495
0.49
0.485
pull
Entries 86
Mean 6007
Std Dev 0
200
100
0
−100
−200
−300

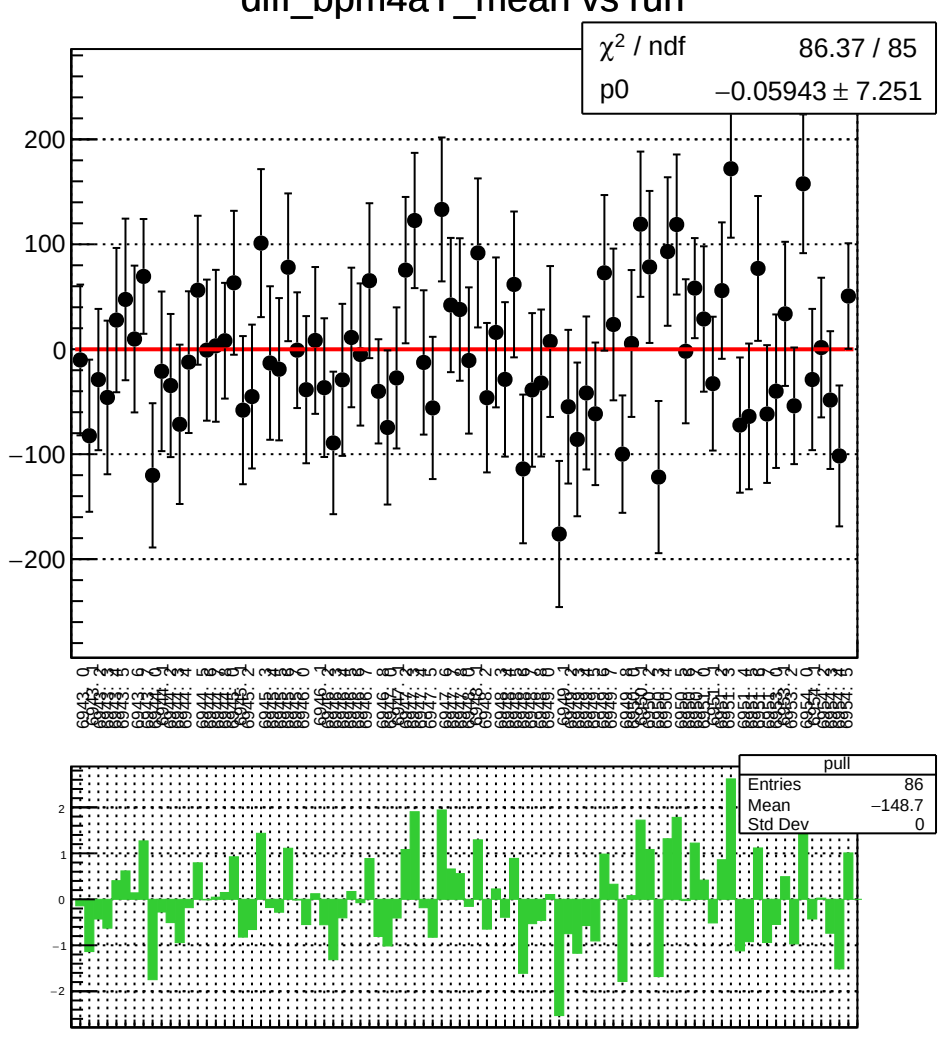

pull1D
Entries 86
Mean −1.791
Std Dev 5.642
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

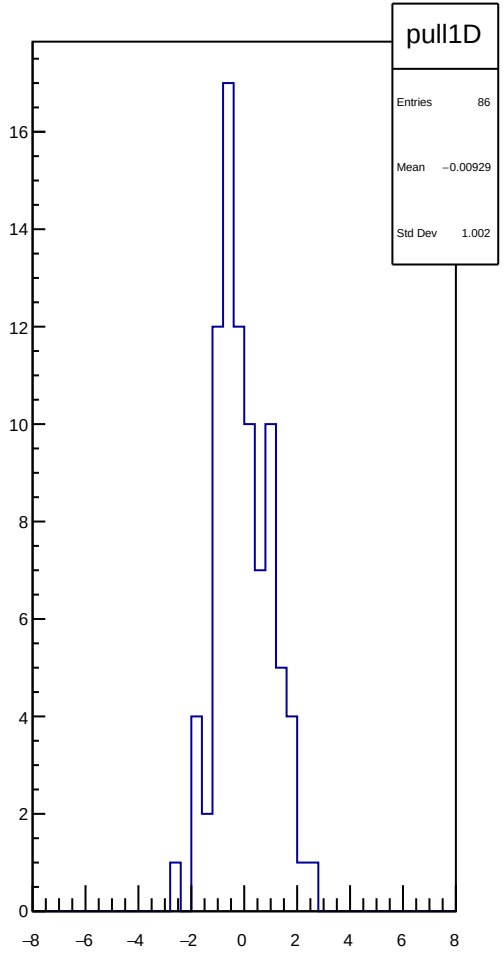

yield_bpm0r05Y_rms vs run
χ² / ndf 1.135e+04 / 85
p0 0.00678 ± 5.286e–06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006

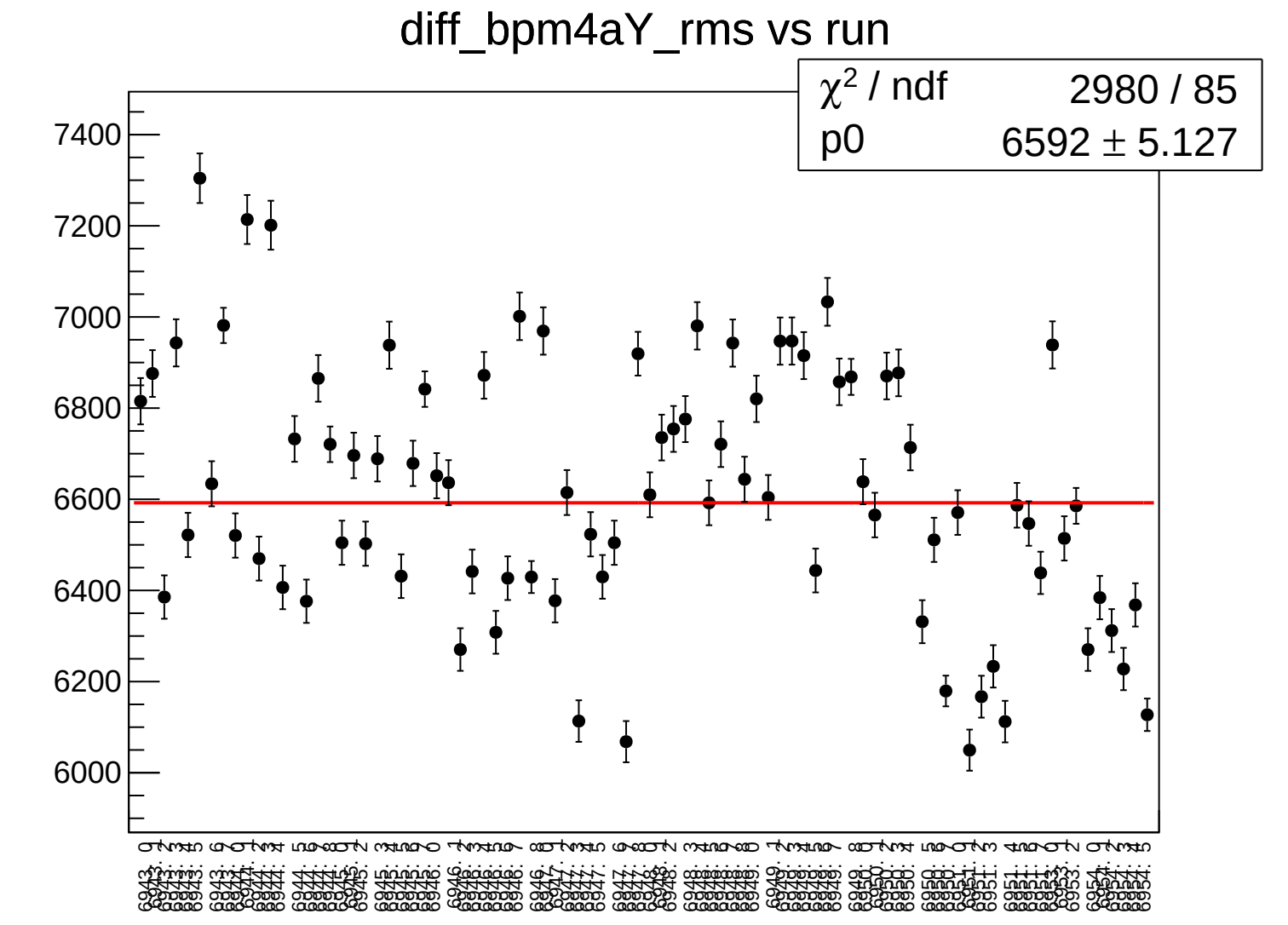

diff_bpm4aX_mean vs run
χ² / ndf 86.5 / 85
p0 −46.22 ± 12.85
400
200
0
−200
−400
pull
Entries 86
Mean −56.65
Std Dev 0
2
1
0
−1
−2

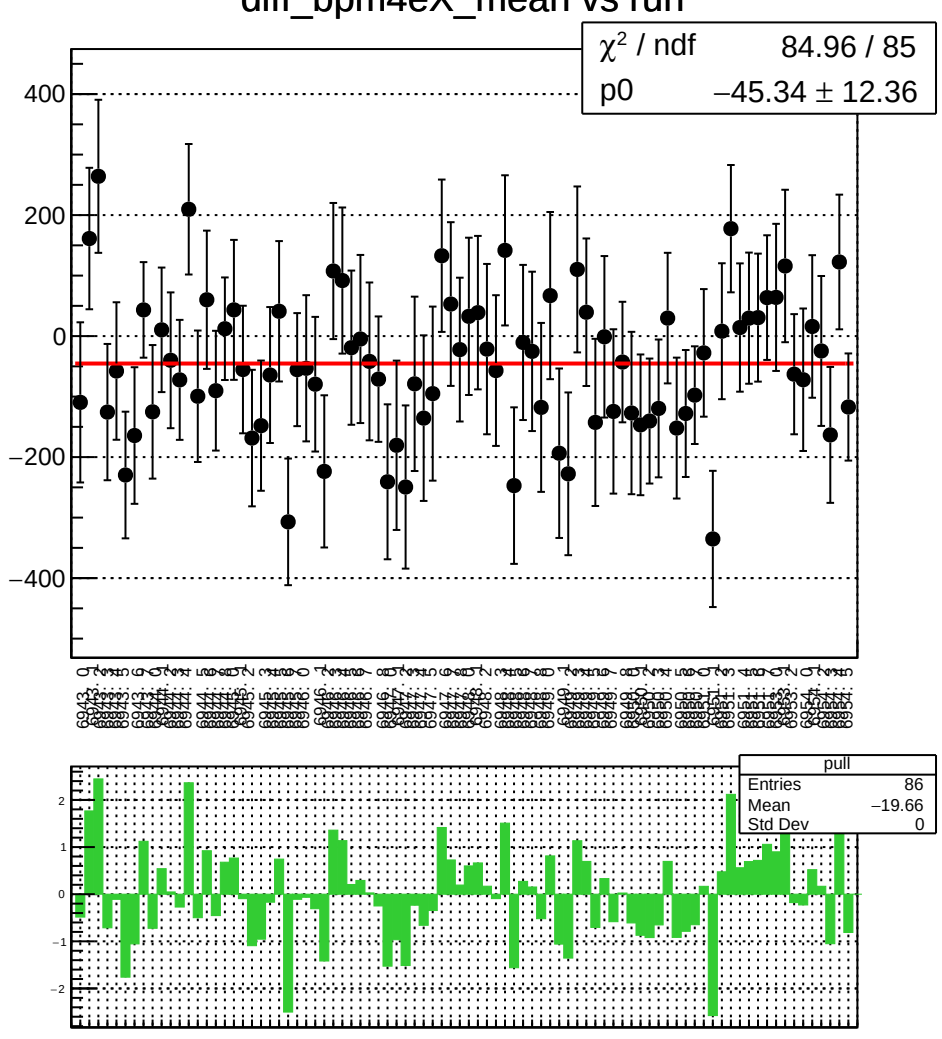

pull1D
Entries 86
Mean −0.003577
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

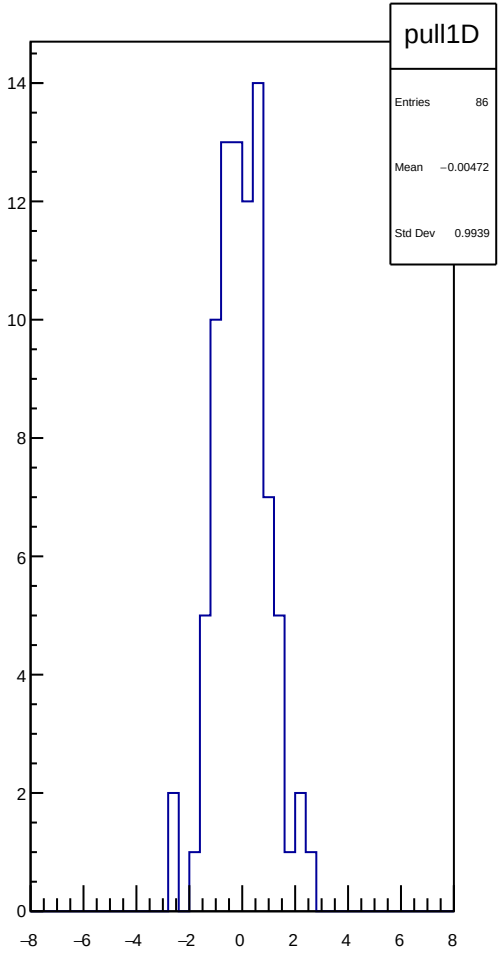

diff_bpm4aX_rms vs run
χ² / ndf 1.649e+04 / 85
p0 1.163e+04 ± 9.084
14000
13000
12000
11000
10000

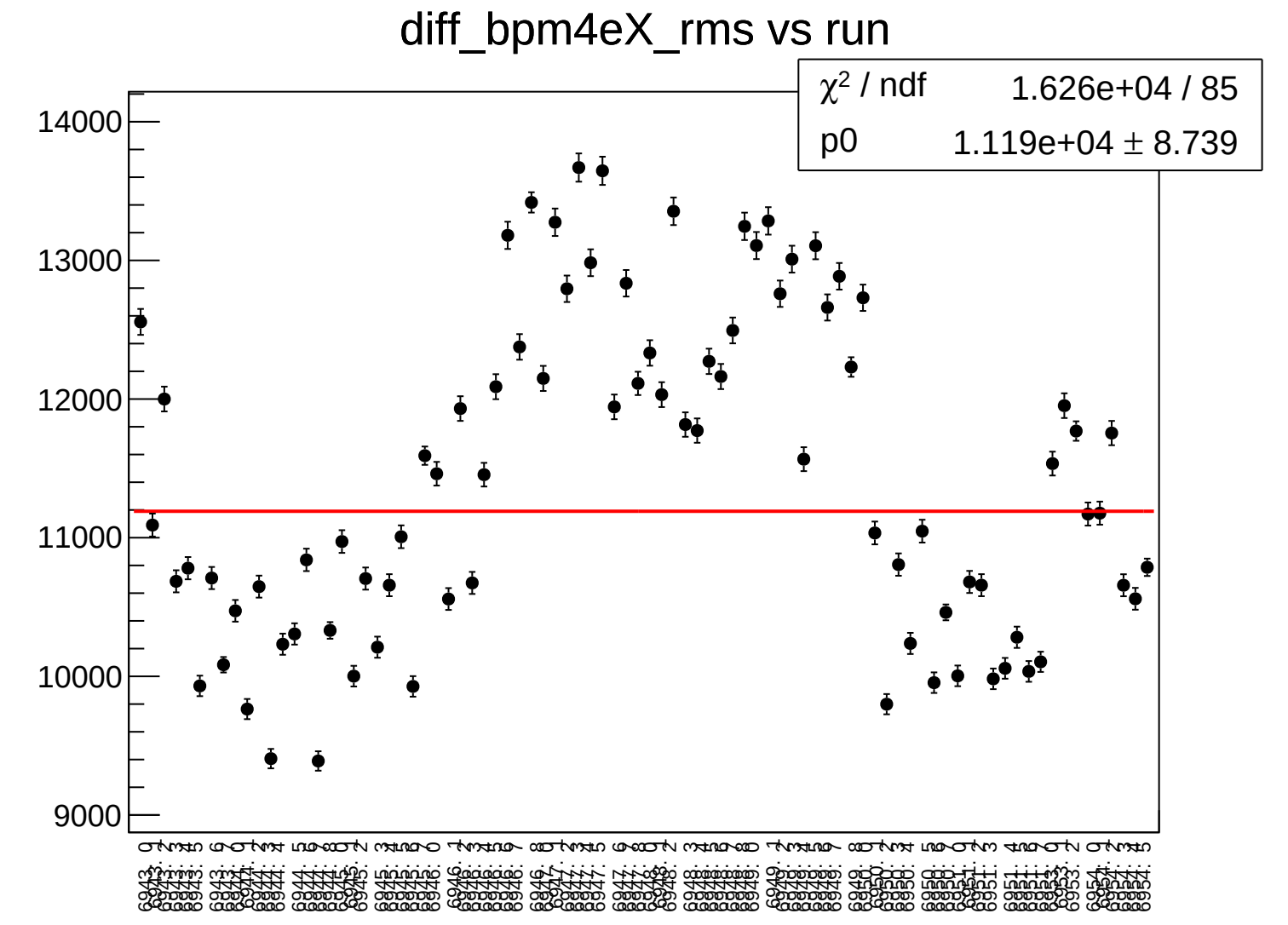

diff_bpm4aY_mean vs run
χ² / ndf 86.37 / 85
p0 −0.05943 ± 7.251
200
100
0
−100
−200
pull
Entries 86
Mean −148.7
Std Dev 0
2
1
0
−1
−2

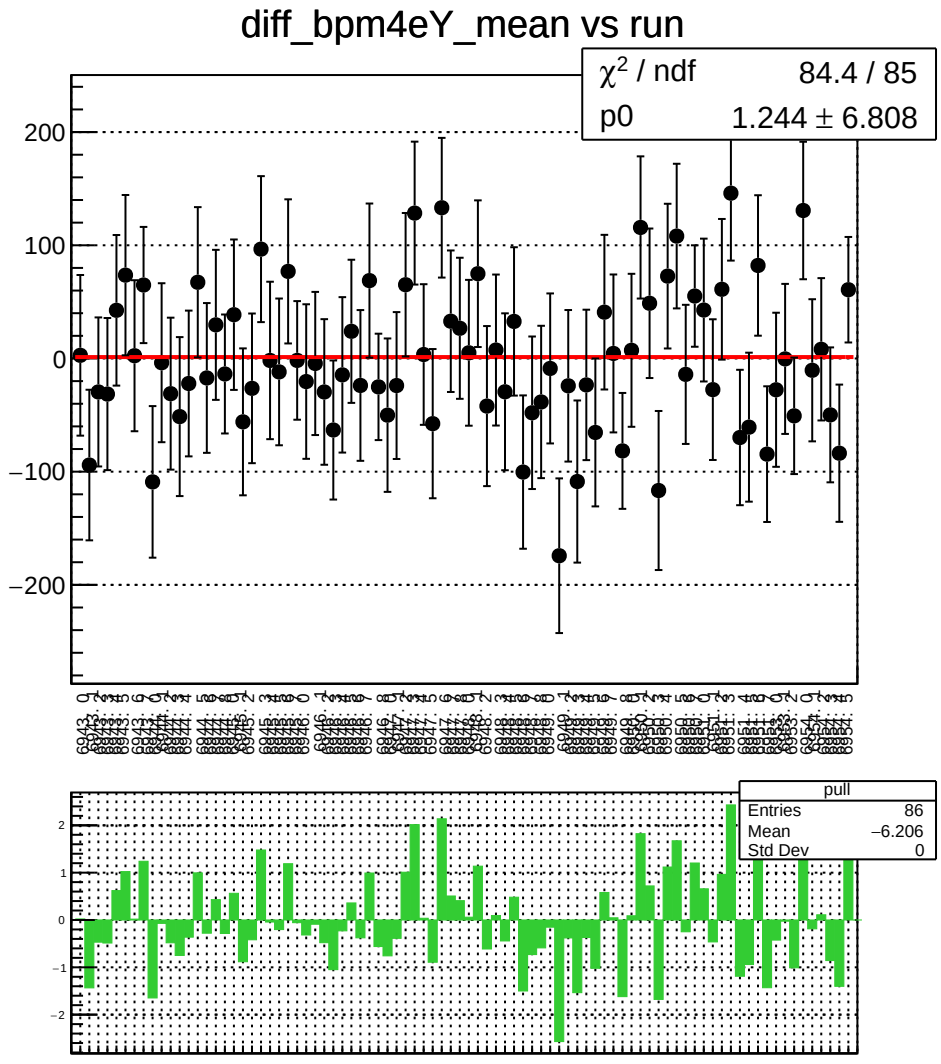

pull1D
Entries 86
Mean −0.00929
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

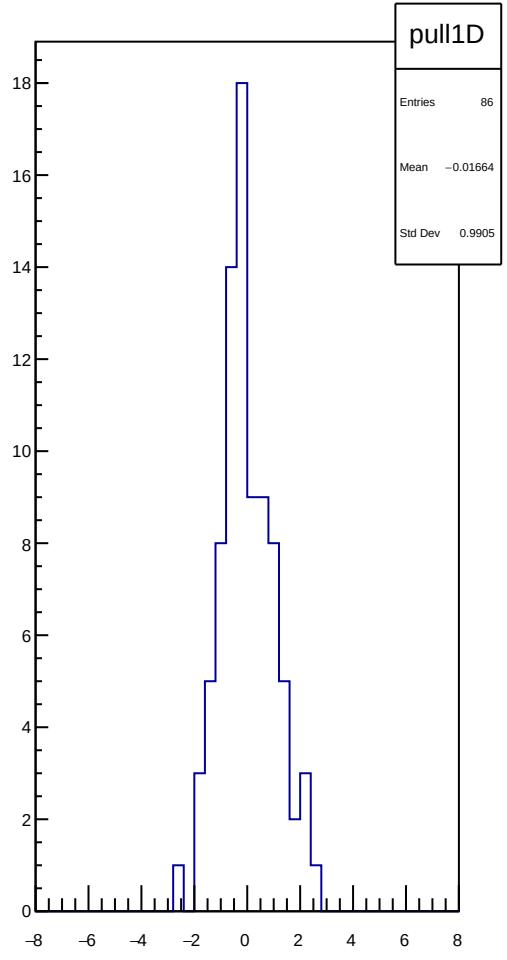

diff_bpm4aY_rms vs run
χ² / ndf 2980 / 85
p0 6592 ± 5.127
7400
7200
7000
6800
6600
6400
6200
6000

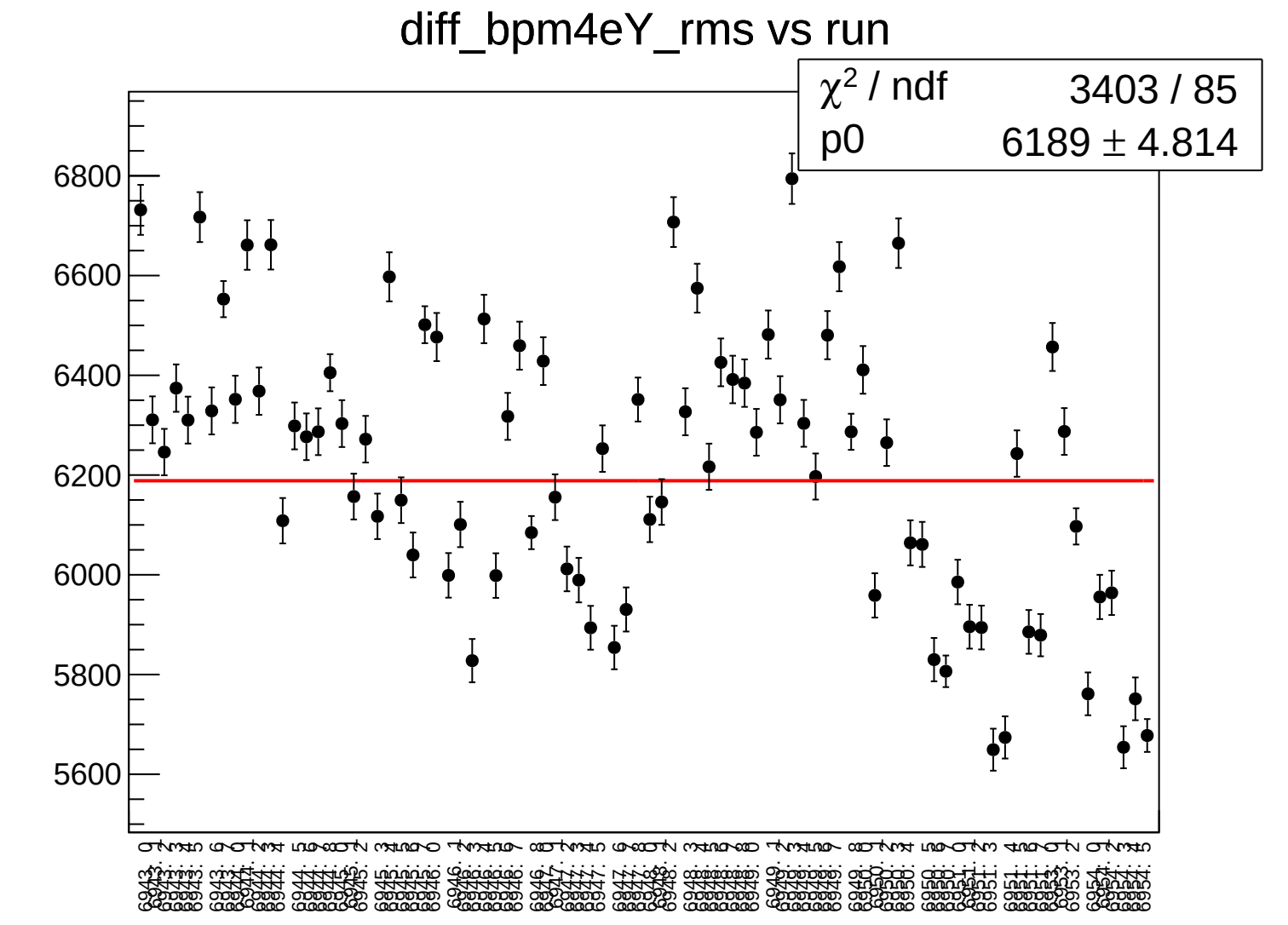

diff_bpm4eX_mean vs run
χ² / ndf 84.96 / 85
p0 −45.34 ± 12.36
400
200
0
−200
−400
pull
Entries 86
Mean −19.66
Std Dev 0
2
1
0
−1
−2

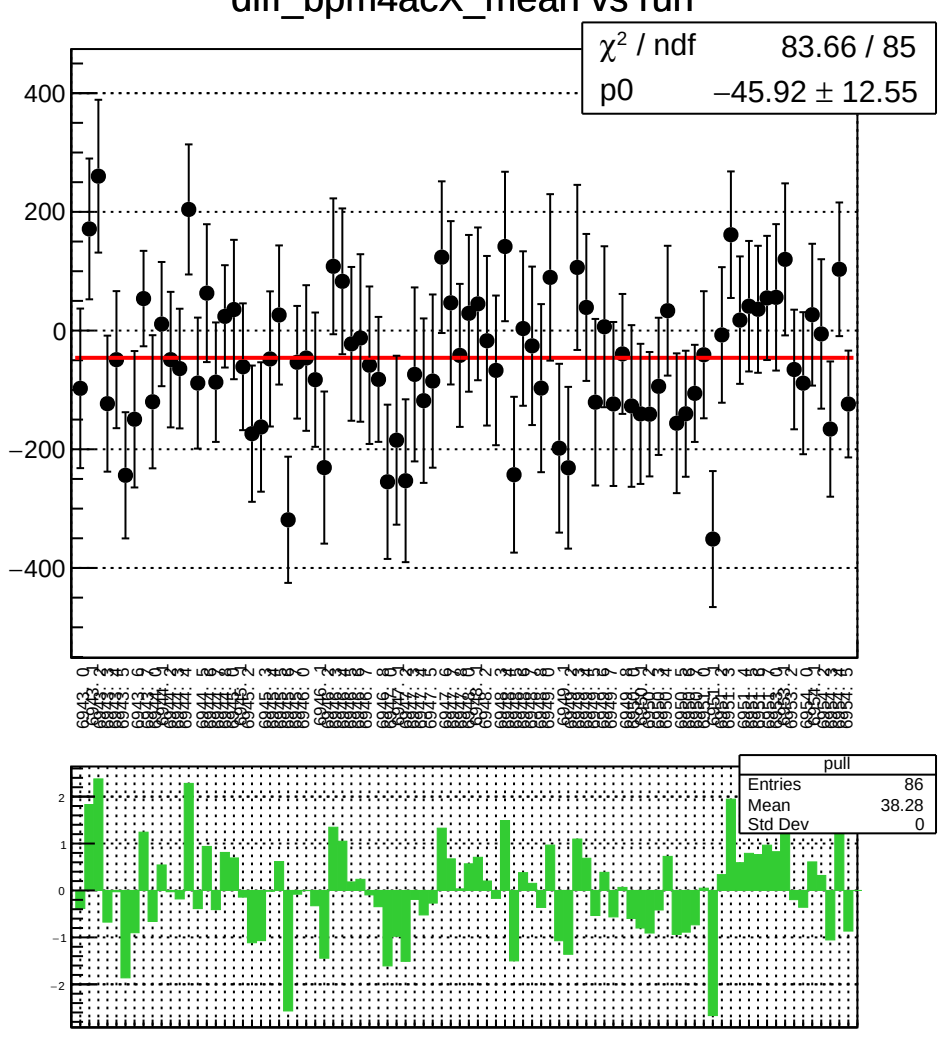

pull1D
Entries 86
Mean −0.00472
Std Dev 0.9939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

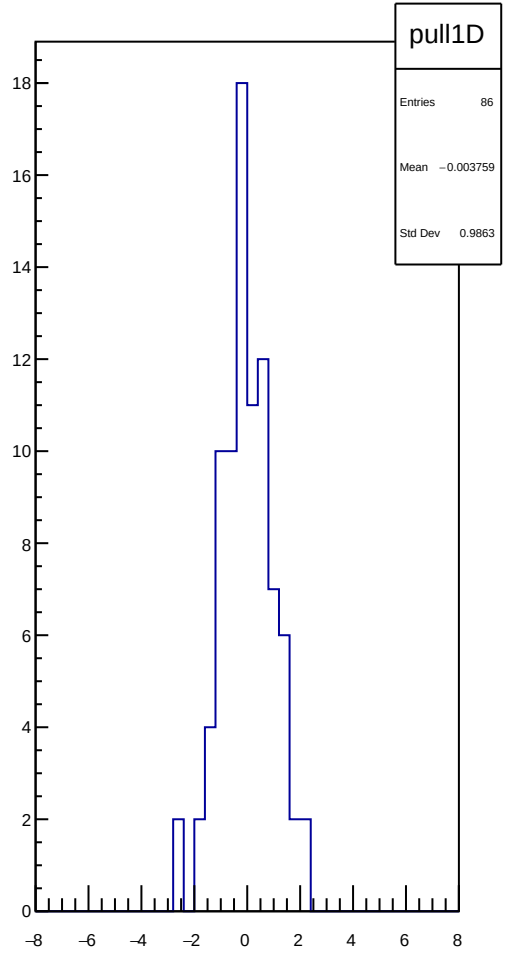

diff_bpm4eX_rms vs run
χ² / ndf 1.626e+04 / 85
p0 1.119e+04 ± 8.739
14000
13000
12000
11000
10000
9000

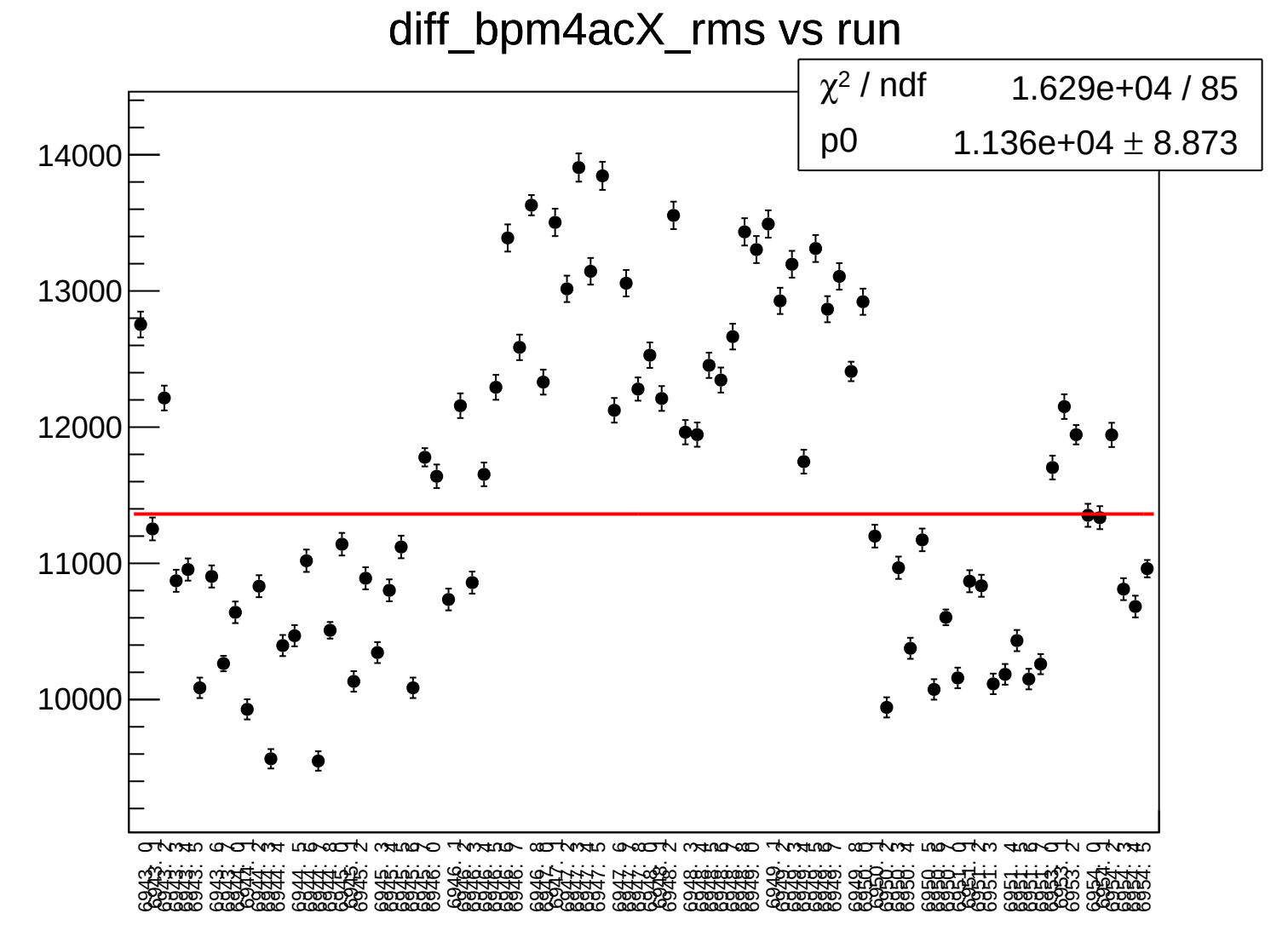

diff_bpm4eY_mean vs run
χ² / ndf 84.4 / 85
p0 1.244 ± 6.808
200
100
0
−100
−200
pull
Entries 86
Mean −6.206
Std Dev 0
2
1
0
−1
−2

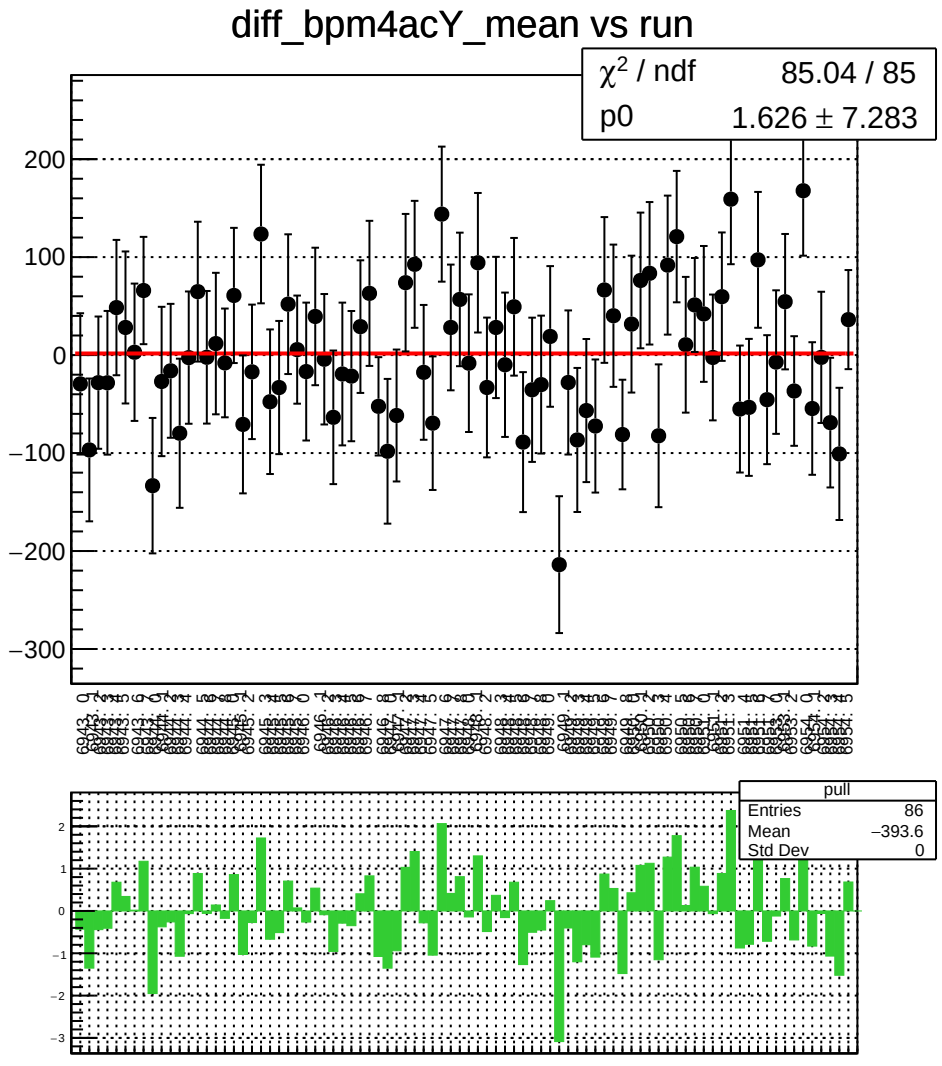

pull1D
Entries 86
Mean −0.01664
Std Dev 0.9905
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

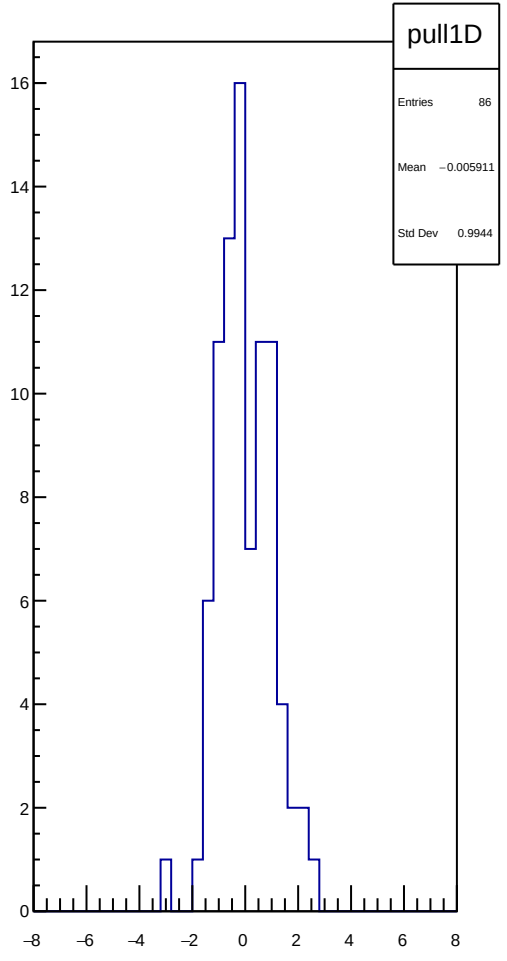

diff_bpm4eY_rms vs run
χ^2 / ndf 3403 / 85
p0 6189 ± 4.814
6800
6600
6400
6200
6000
5800
5600

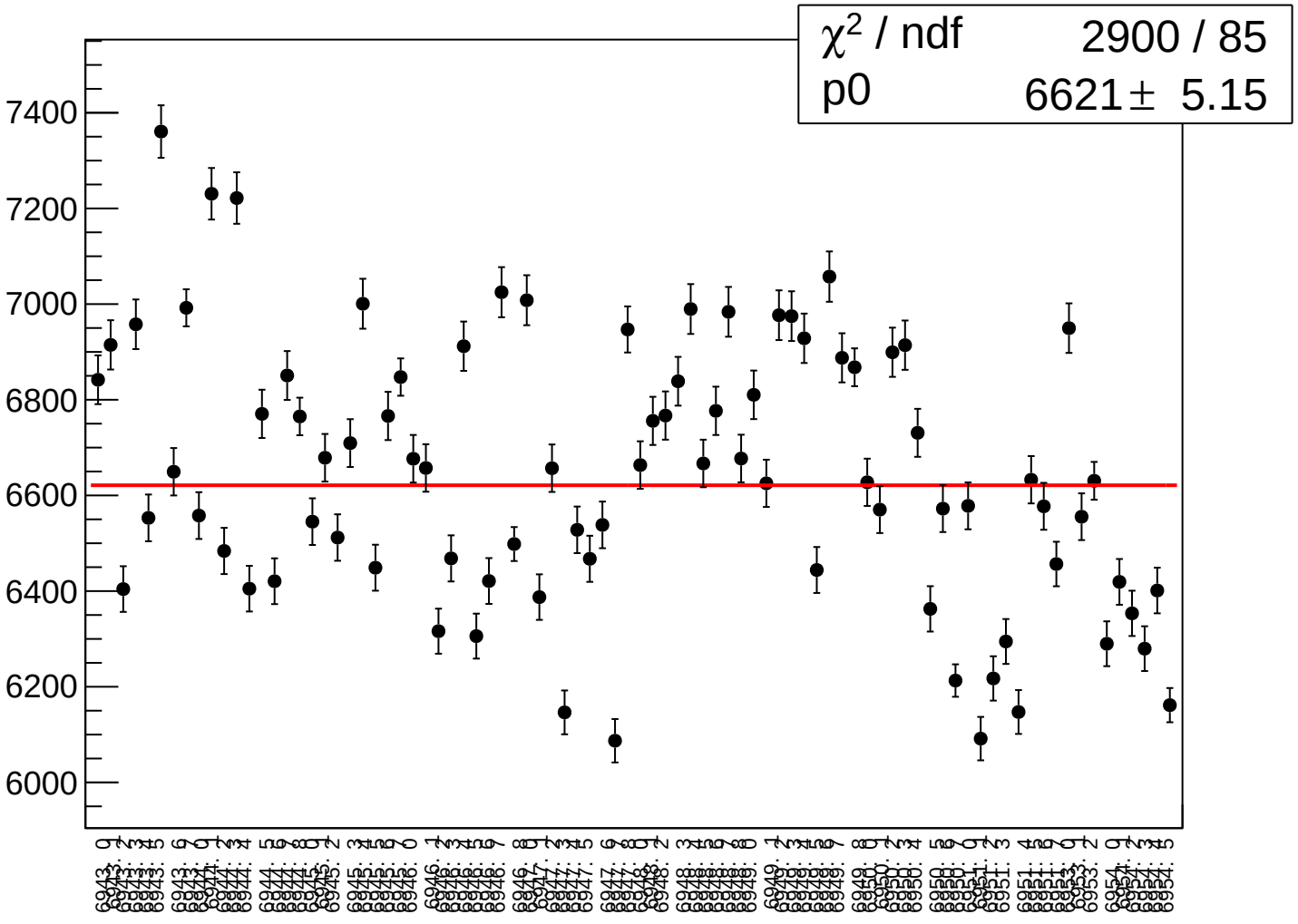

diff_bpm4acX_mean vs run
χ² / ndf 83.66 / 85
p0 −45.92 ± 12.55
400
200
0
−200
−400
pull
Entries 86
Mean 38.28
Std Dev 0
2
1
0
−1
−2

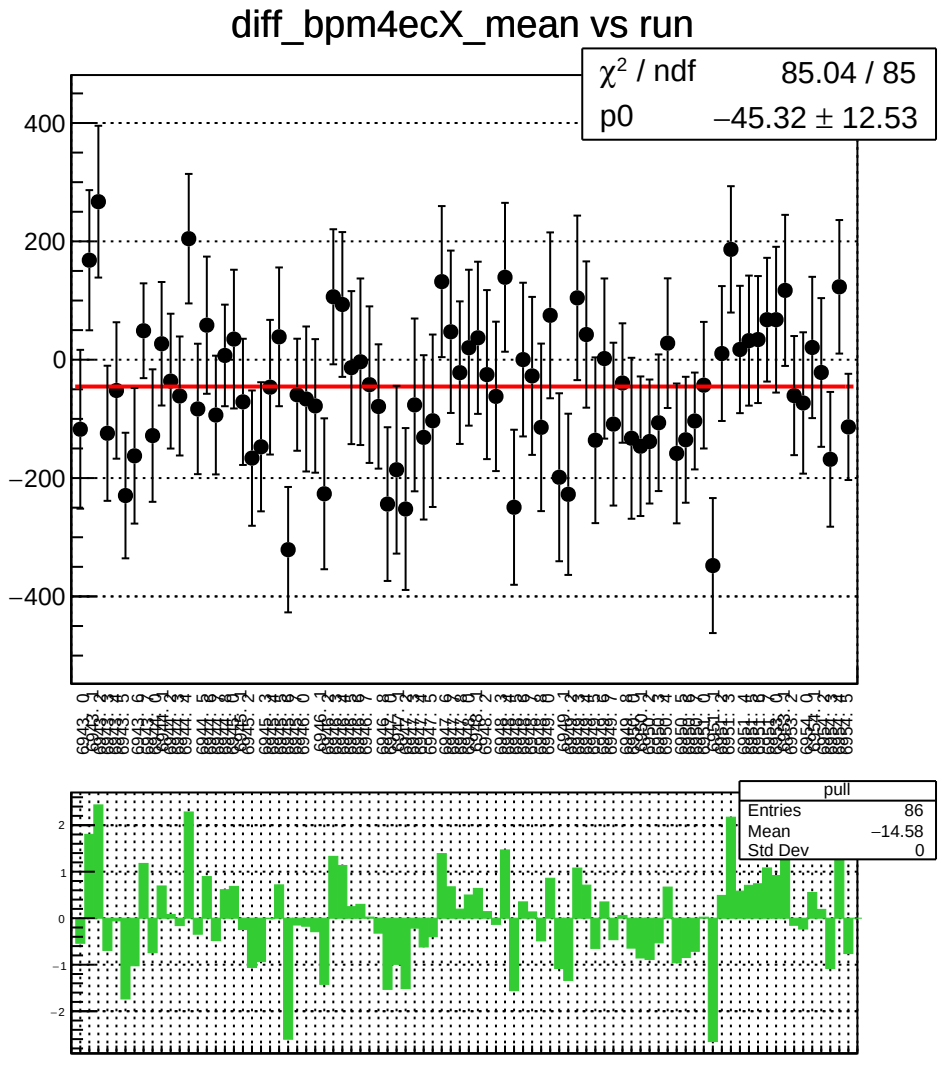

pull1D
Entries 86
Mean −0.003759
Std Dev 0.9863
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

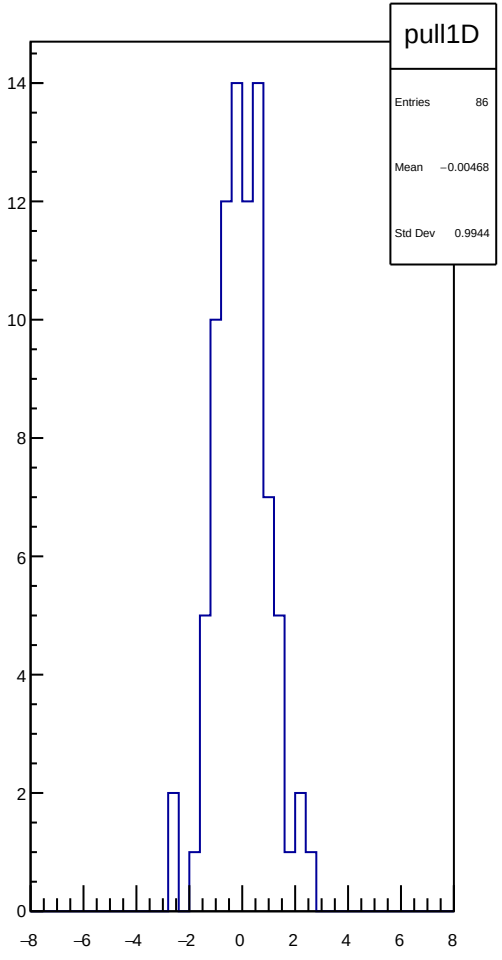

diff_bpm4acX_rms vs run
χ² / ndf 1.629e+04 / 85
p0 1.136e+04 ± 8.873
14000
13000
12000
11000
10000

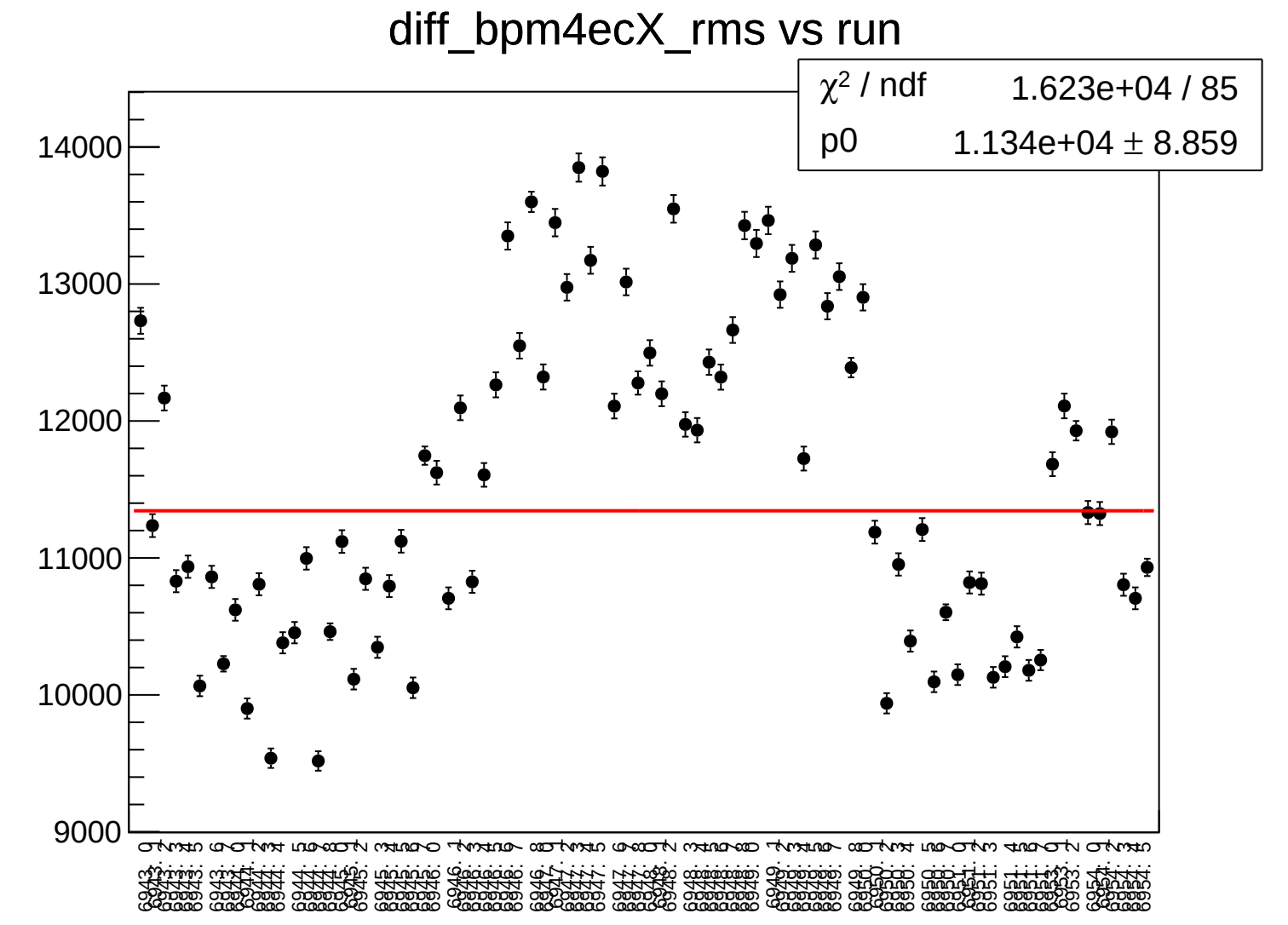

diff_bpm4acY_mean vs run
χ² / ndf 85.04 / 85
p0 1.626 ± 7.283
200
100
0
−100
−200
−300
pull
Entries 86
Mean −393.6
Std Dev 0
2
1
0
−1
−2
−3

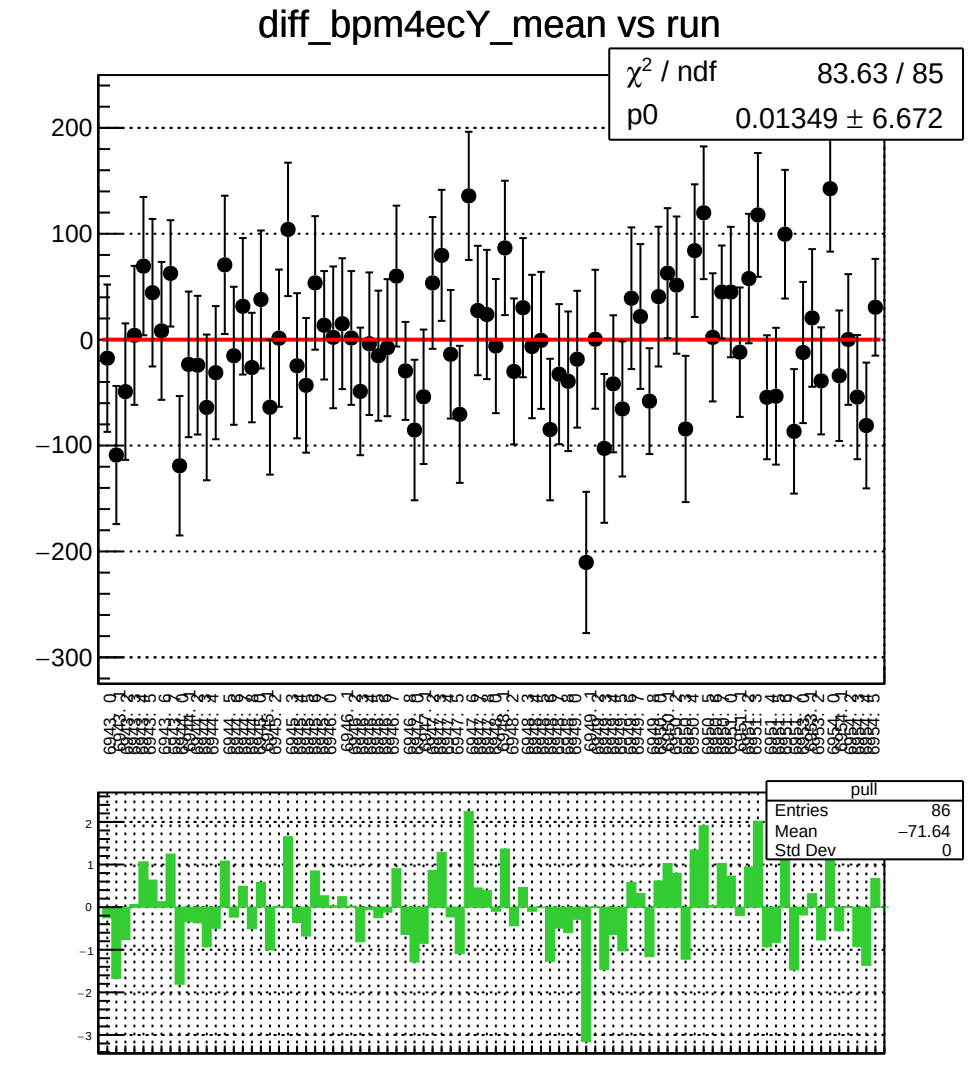

pull1D
Entries 86
Mean −0.005911
Std Dev 0.9944
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

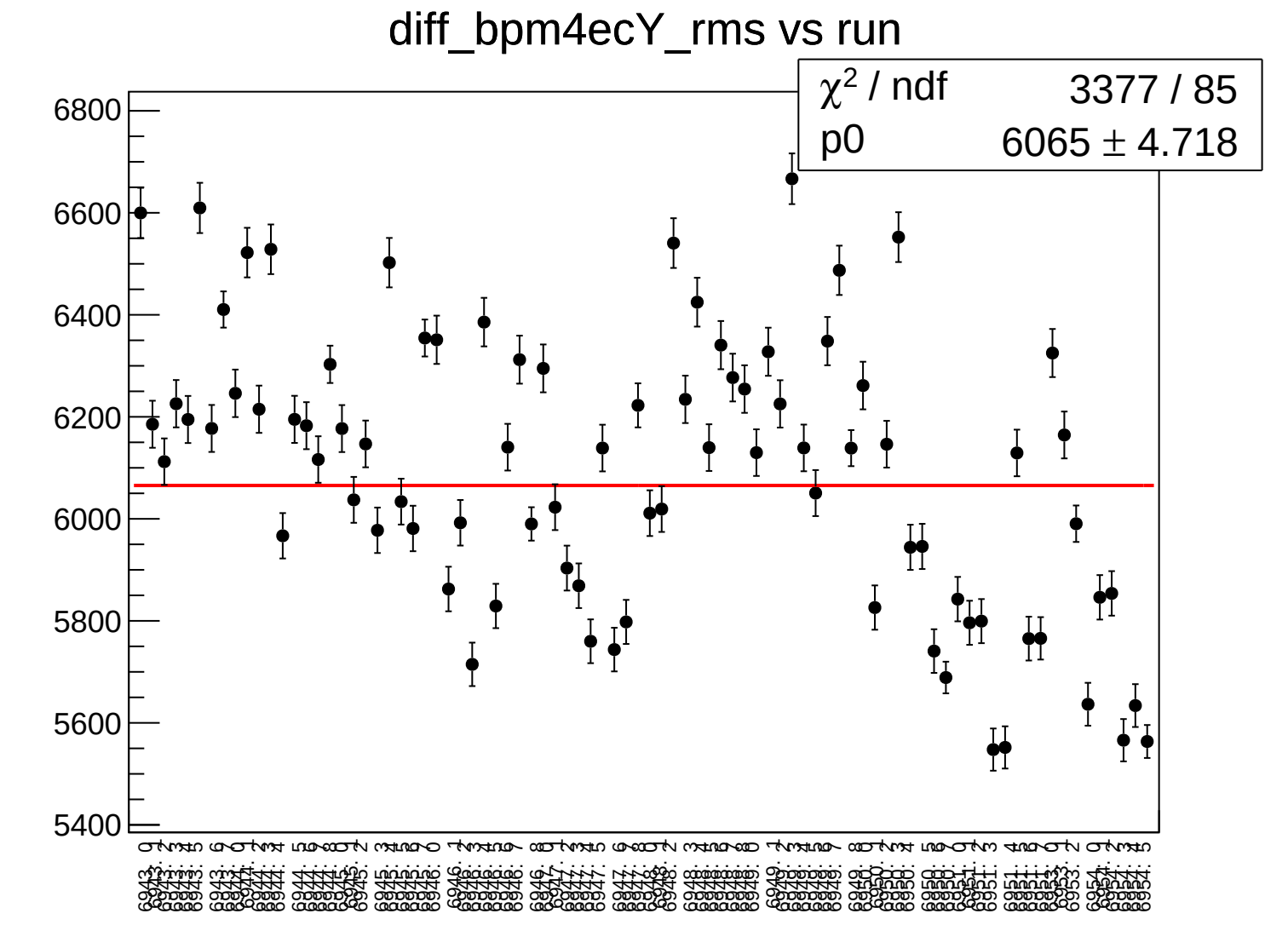

diff_bpm4acY_rms vs run
χ² / ndf 2900 / 85
p0 6621 ± 5.15
7400
7200
7000
6800
6600
6400
6200
6000

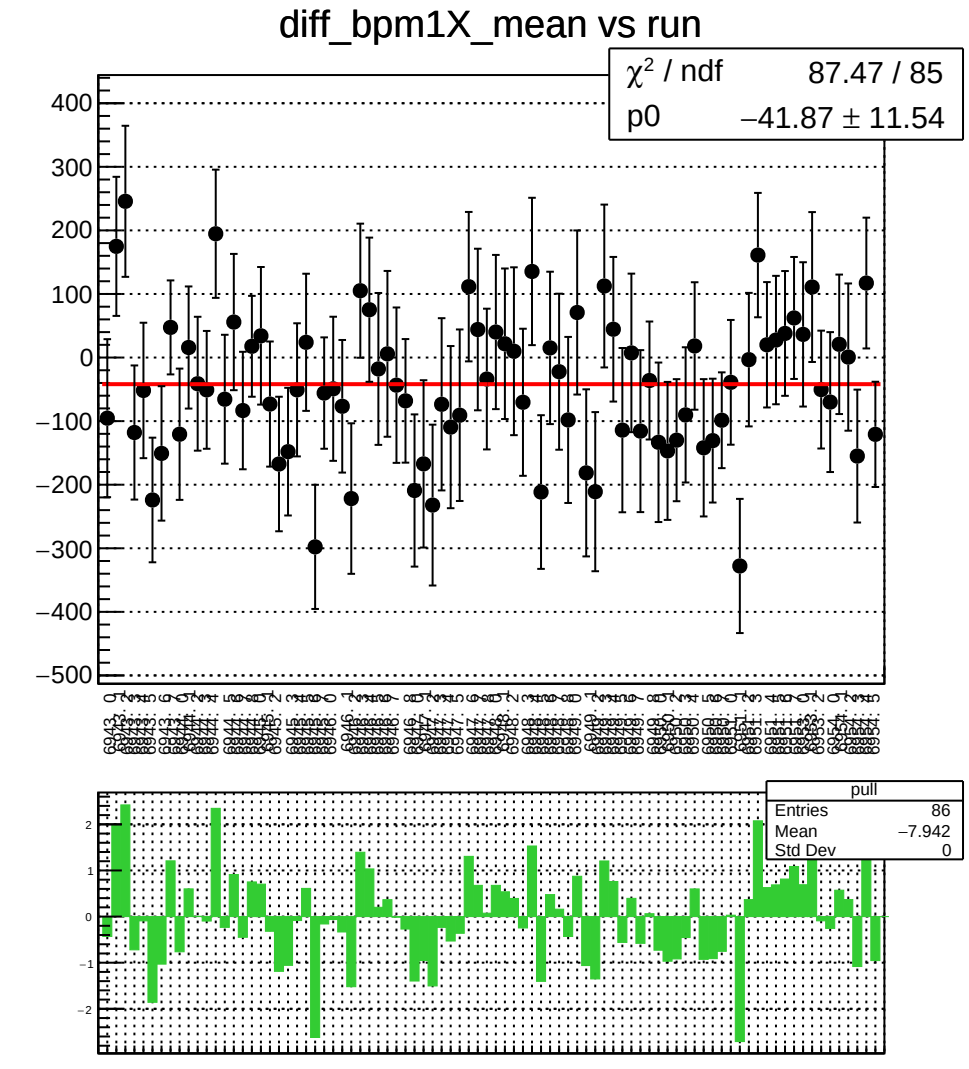

diff_bpm4ecX_mean vs run
χ^2 / ndf 85.04 / 85
p0 −45.32 ± 12.53
400
200
0
−200
−400
pull
Entries 86
Mean −14.58
Std Dev 0
2
1
0
−1
−2

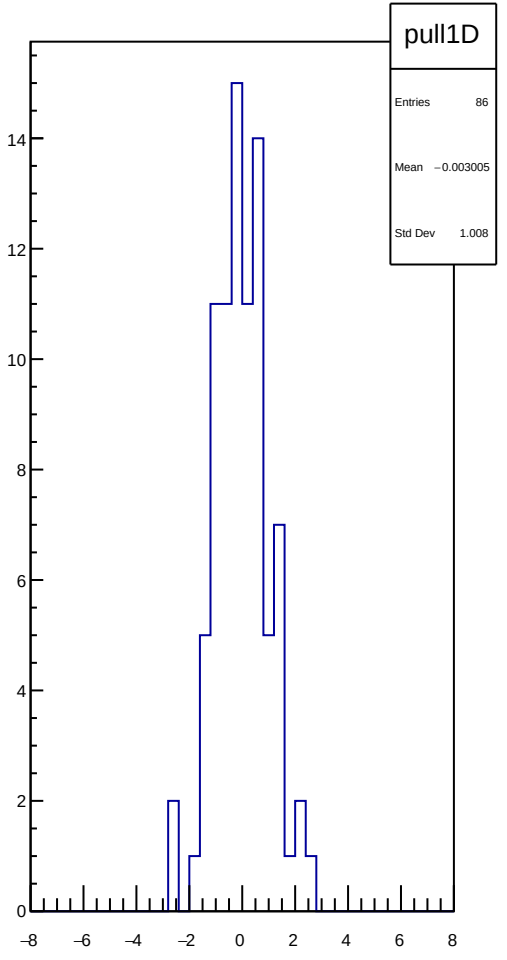

pull1D
Entries 86
Mean −0.00468
Std Dev 0.9944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

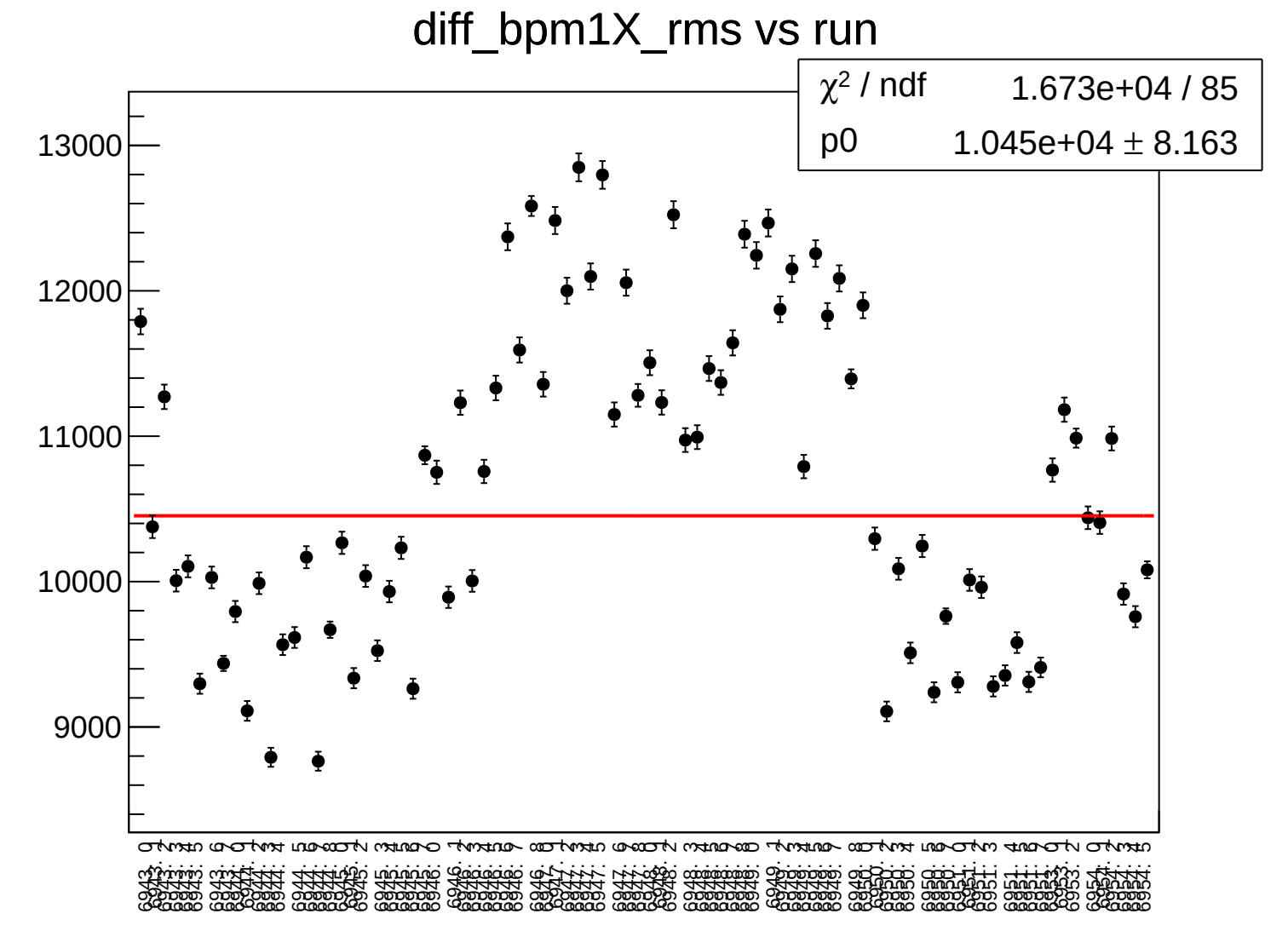

diff_bpm4ecX_rms vs run
χ² / ndf 1.623e+04 / 85
p0 1.134e+04 ± 8.859
14000
13000
12000
11000
10000
9000

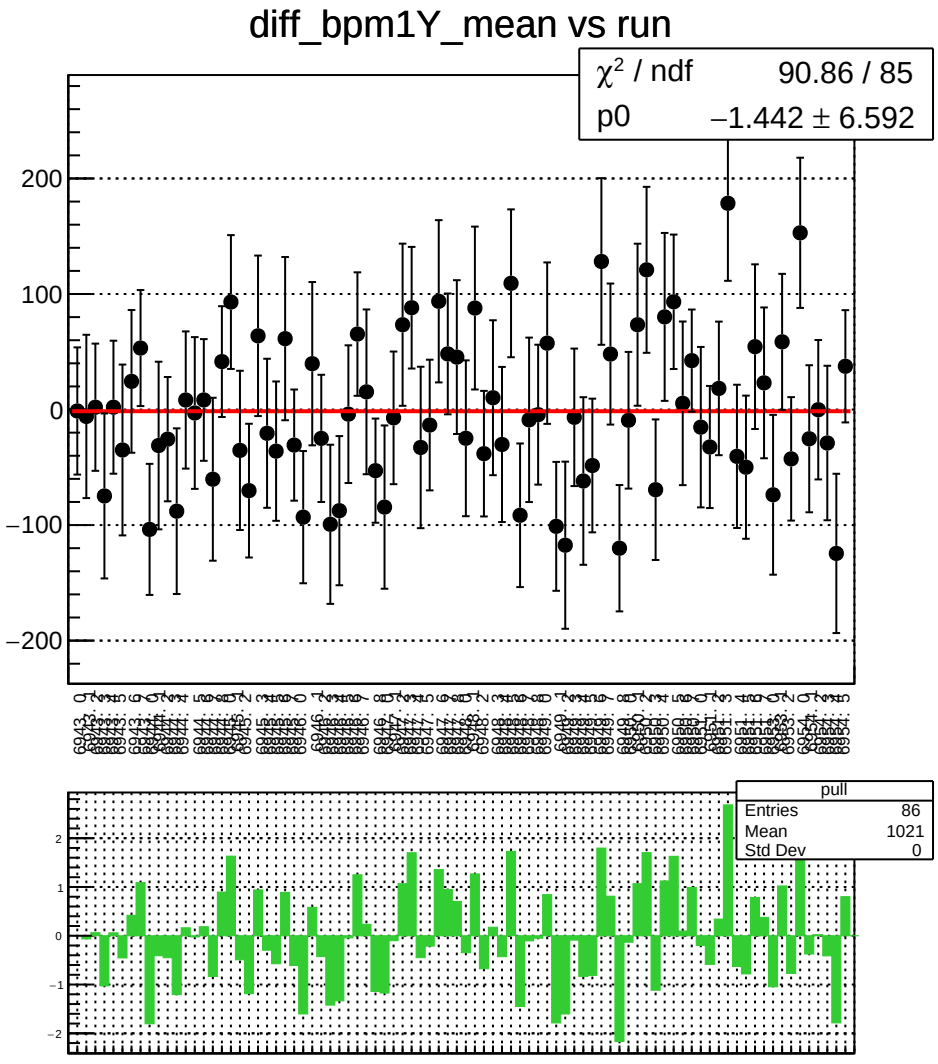

diff_bpm4ecY_mean vs run
χ² / ndf 83.63 / 85
p0 0.01349 ± 6.672
pull
Entries 86
Mean −71.64
Std Dev 0
pull1D
Entries 86
Mean −0.01402
Std Dev 0.986

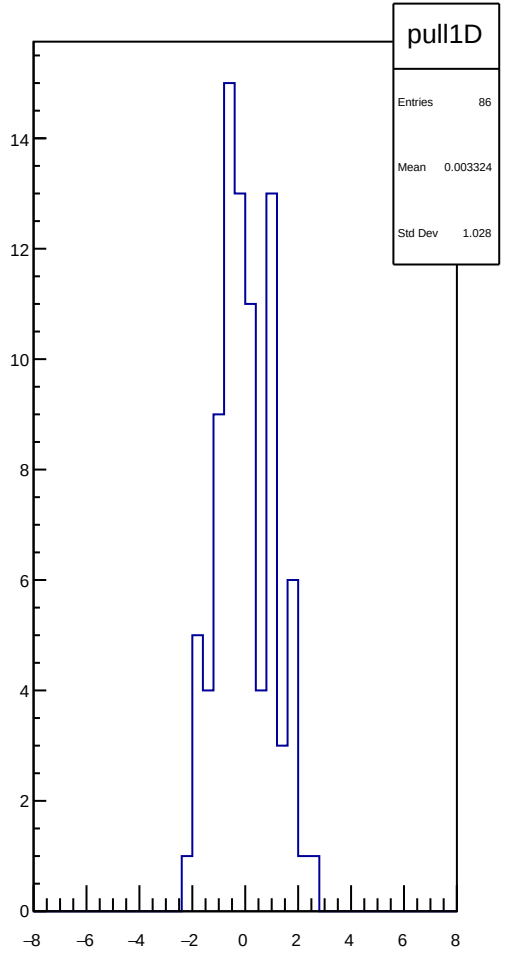

diff_bpm4ecY_rms vs run
χ² / ndf 3377 / 85
p0 6065 ± 4.718
6800
6600
6400
6200
6000
5800
5600
5400

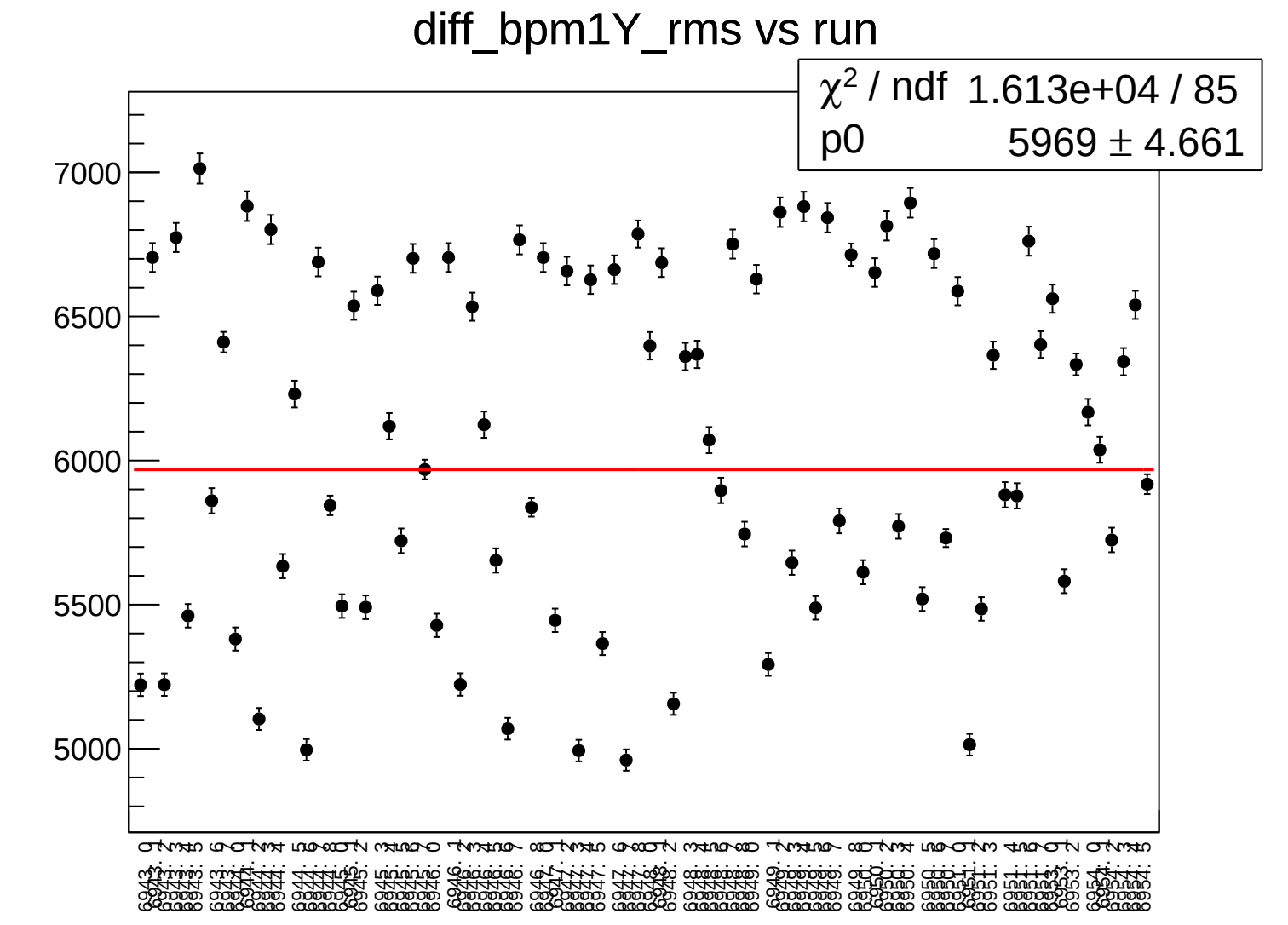

diff_bpm1X_mean vs run
χ² / ndf 87.47 / 85
p0 −41.87 ± 11.54
pull
Entries 86
Mean −7.942
Std Dev 0

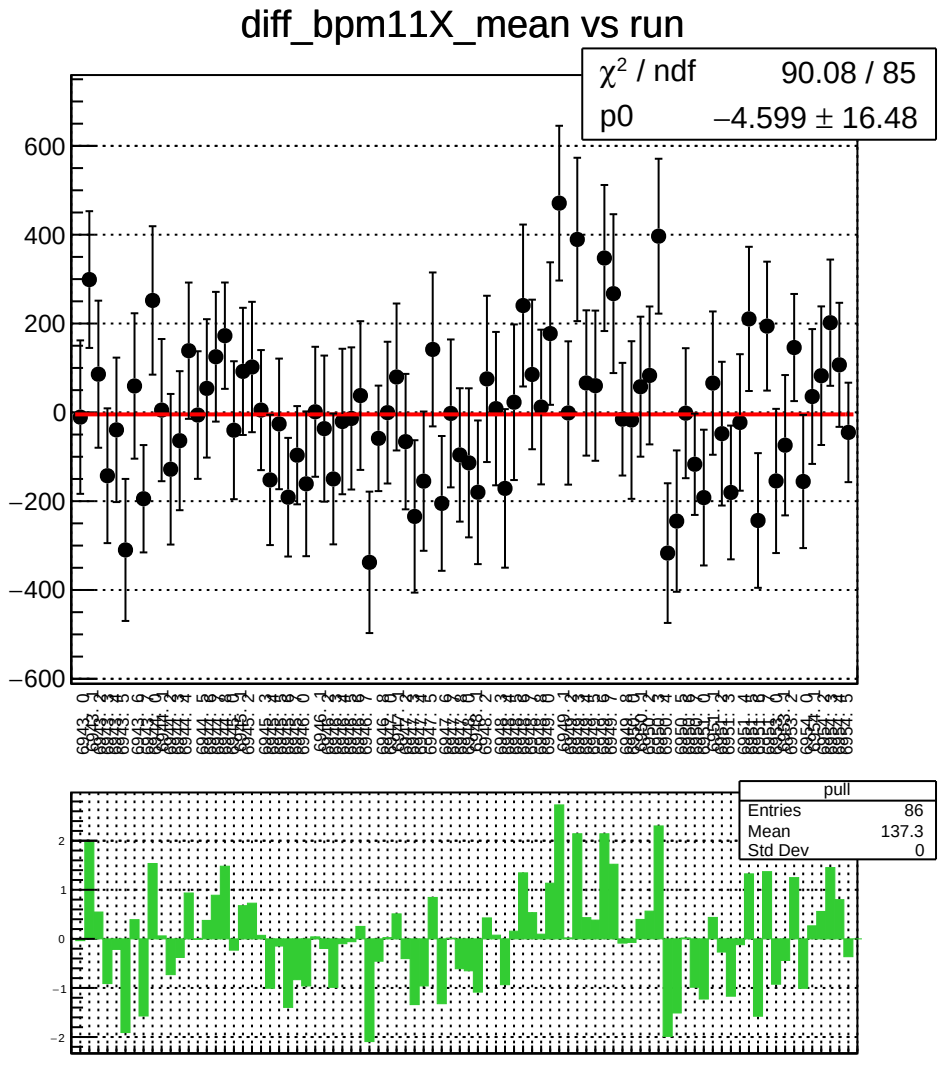

pull1D
Entries 86
Mean −0.003005
Std Dev 1.008

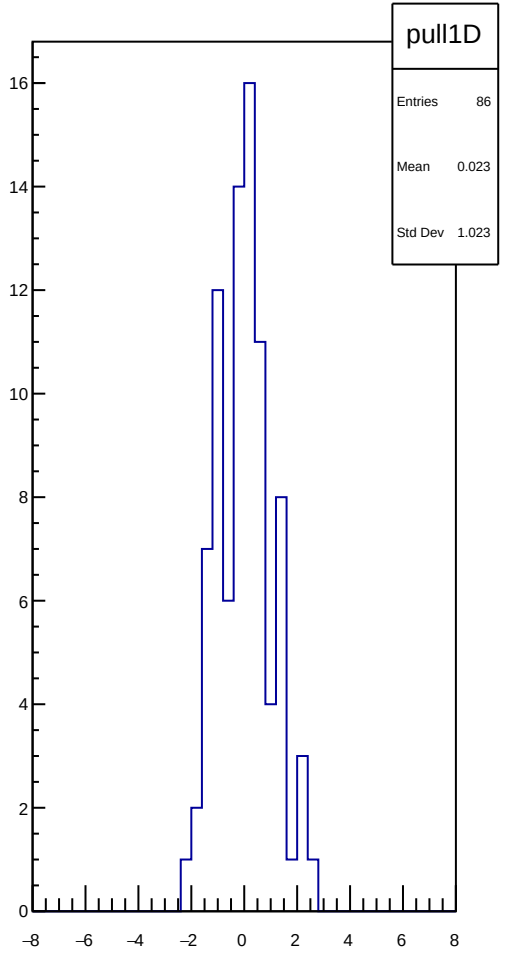

diff_bpm1X_rms vs run
χ² / ndf 1.673e+04 / 85
p0 1.045e+04 ± 8.163
13000
12000
11000
10000
9000

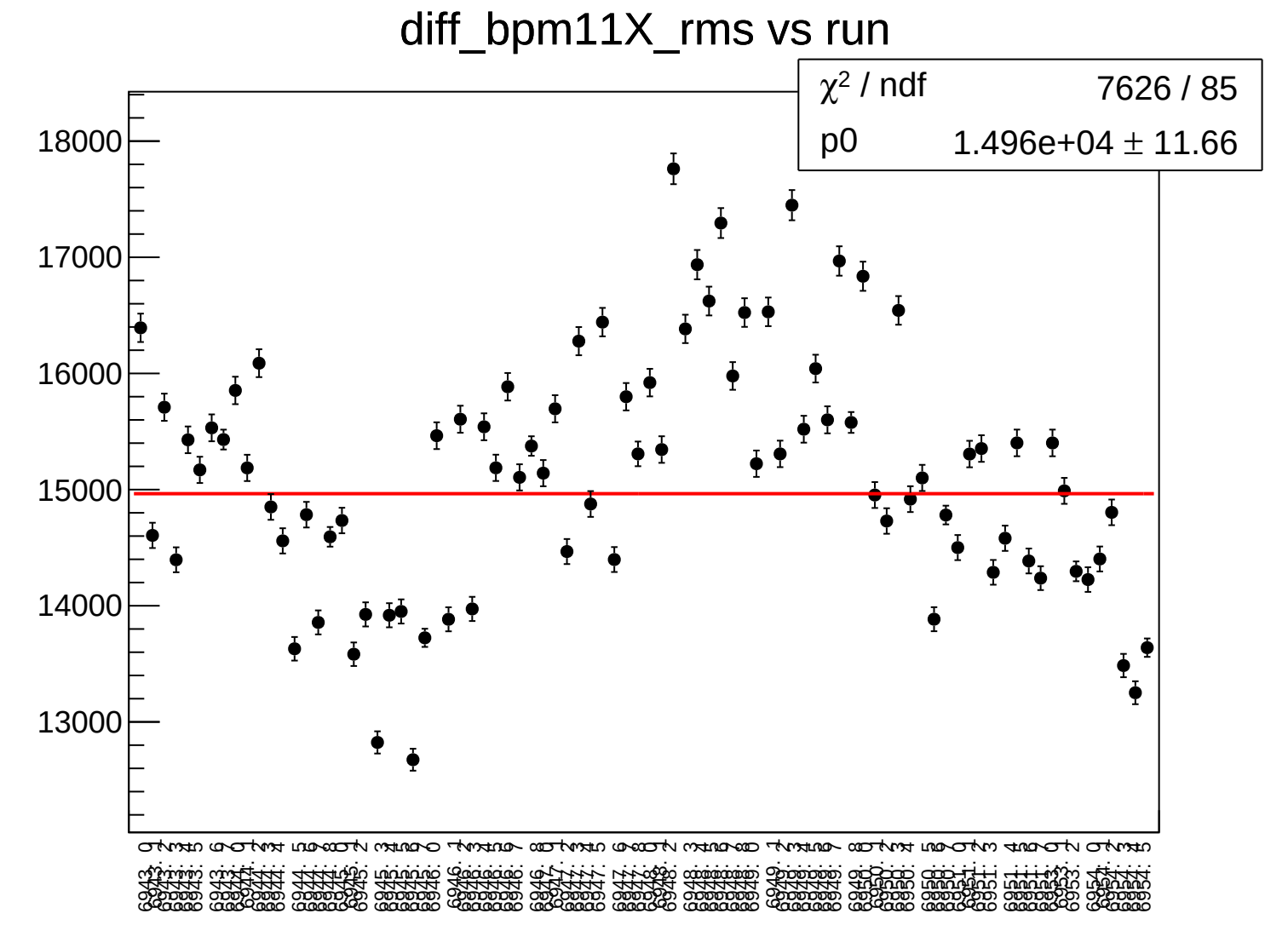

diff_bpm1Y_mean vs run
χ² / ndf 90.86 / 85
p0 −1.442 ± 6.592
200
100
0
−100
−200
pull
Entries 86
Mean 1021
Std Dev 0
2
1
0
−1
−2

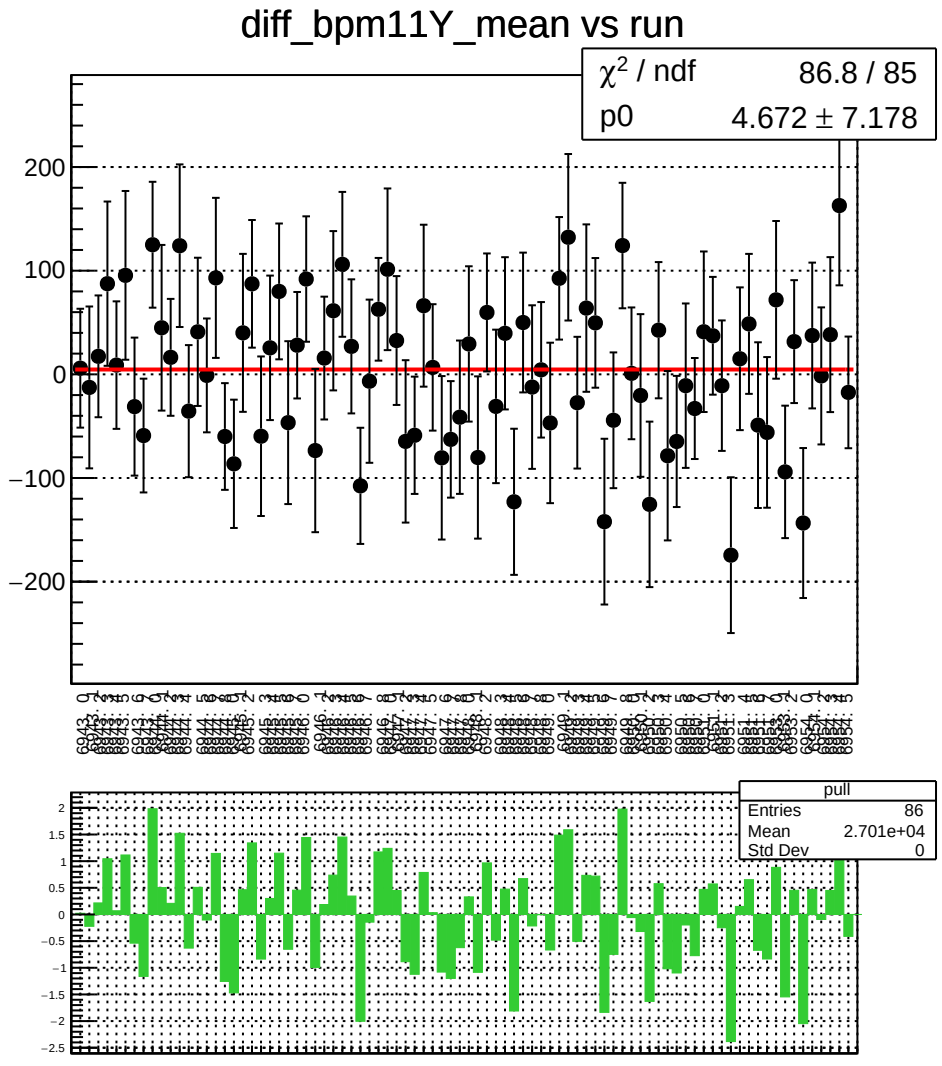

pull1D
Entries 86
Mean 0.003324
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

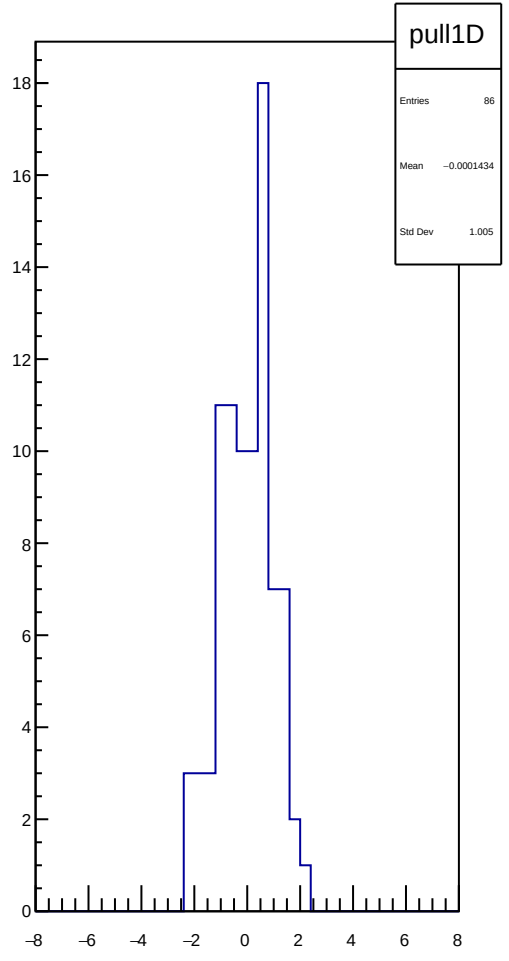

diff_bpm1Y_rms vs run
χ^2 / ndf 1.613e+04 / 85
p0 5969 ± 4.661
7000
6500
6000
5500
5000

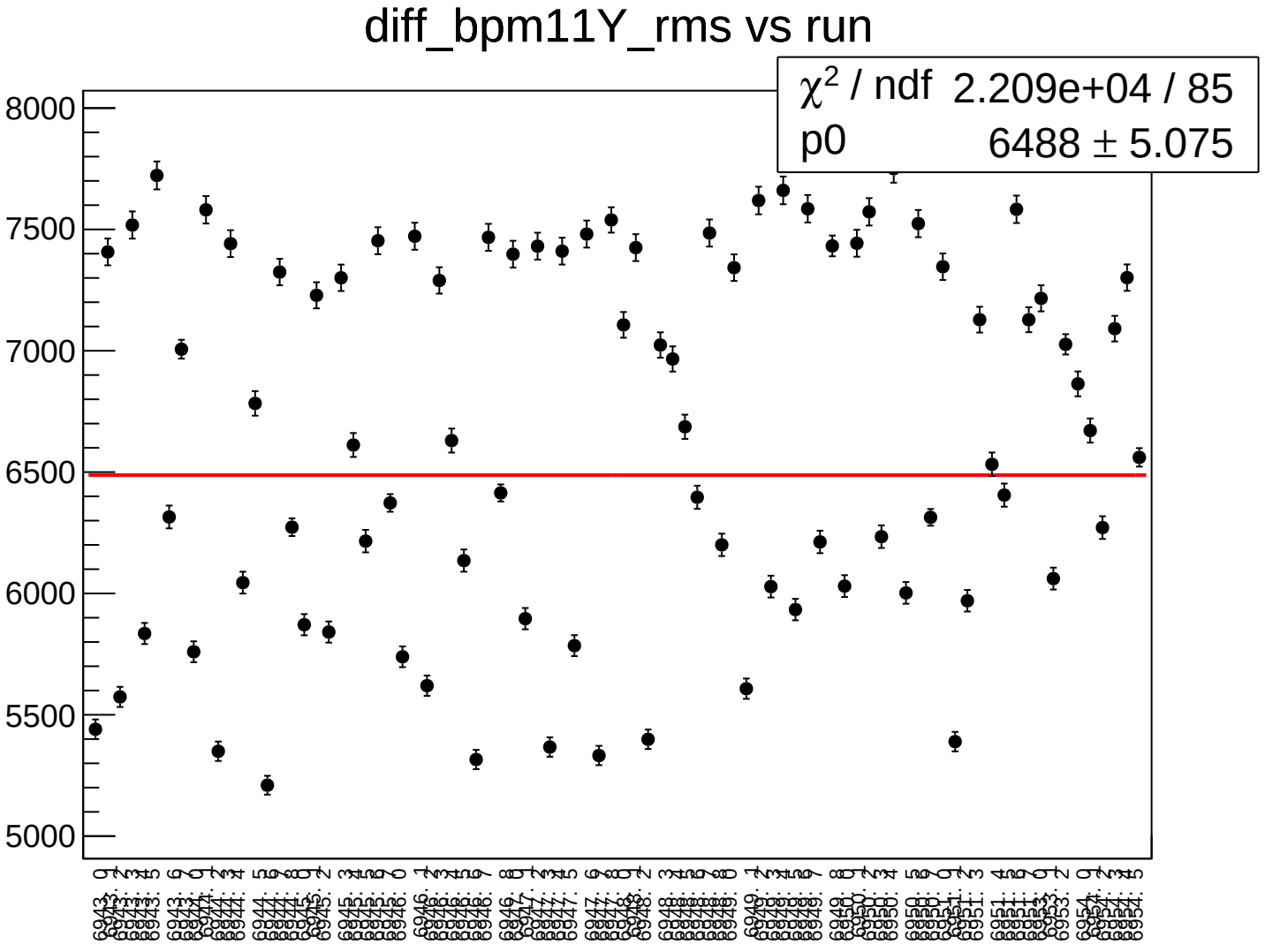

diff_bpm11X_mean vs run
χ^2 / ndf 90.08 / 85
p0 −4.599 ± 16.48
600
400
200
0
−200
−400
−600
pull
Entries 86
Mean 137.3
Std Dev 0
2
1
0
−1
−2

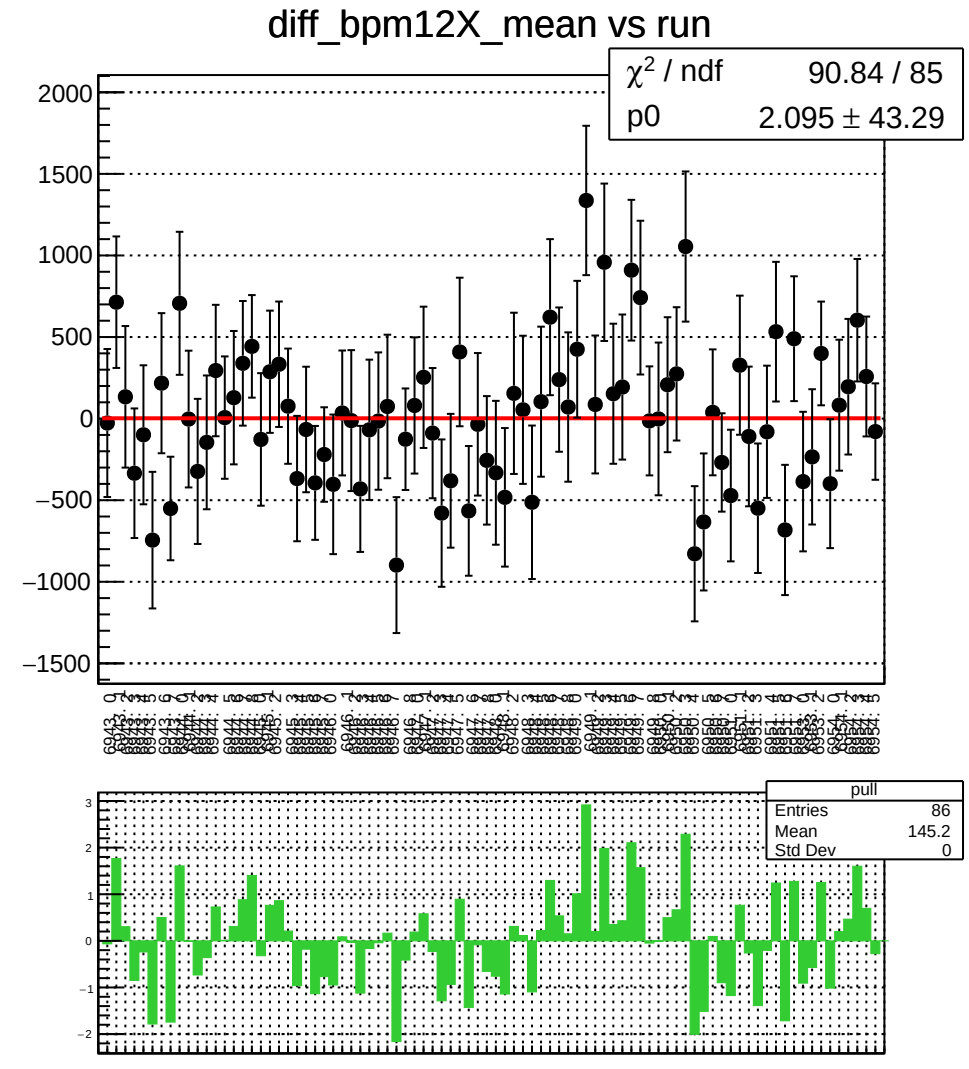

pull1D
Entries 86
Mean 0.023
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

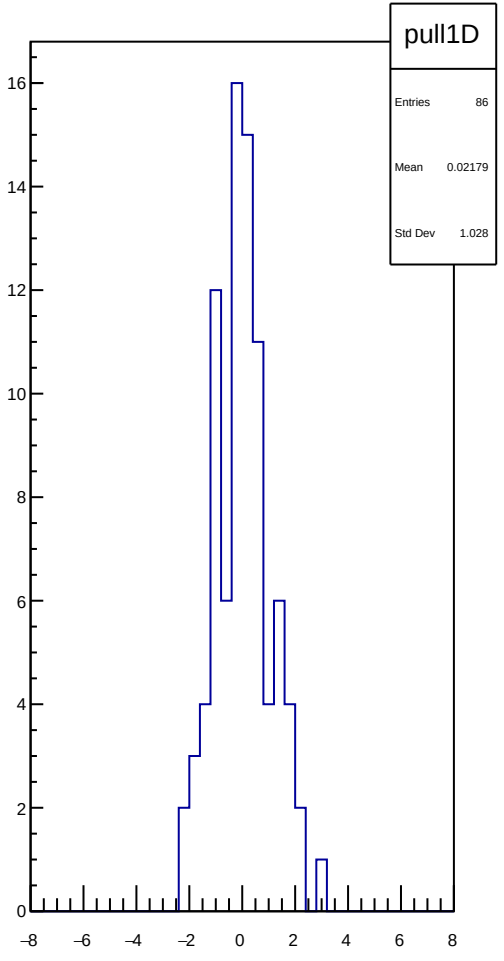

diff_bpm11X_rms vs run
χ² / ndf 7626 / 85
p0 1.496e+04 ± 11.66
18000
17000
16000
15000
14000
13000

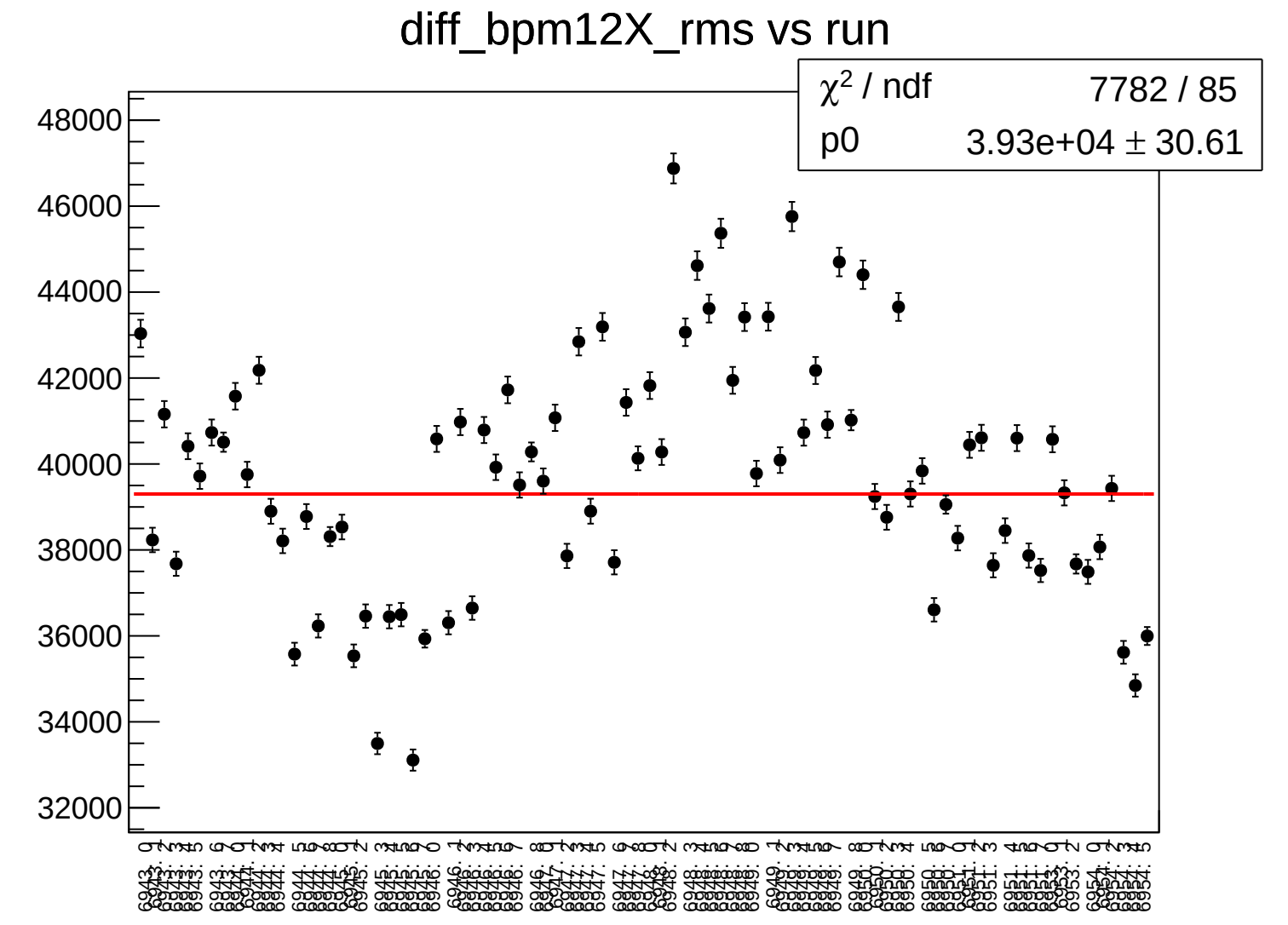

diff_bpm11Y_mean vs run
χ² / ndf 86.8 / 85
p0 4.672 ± 7.178
200
100
0
−100
−200
pull
Entries 86
Mean 2.701e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

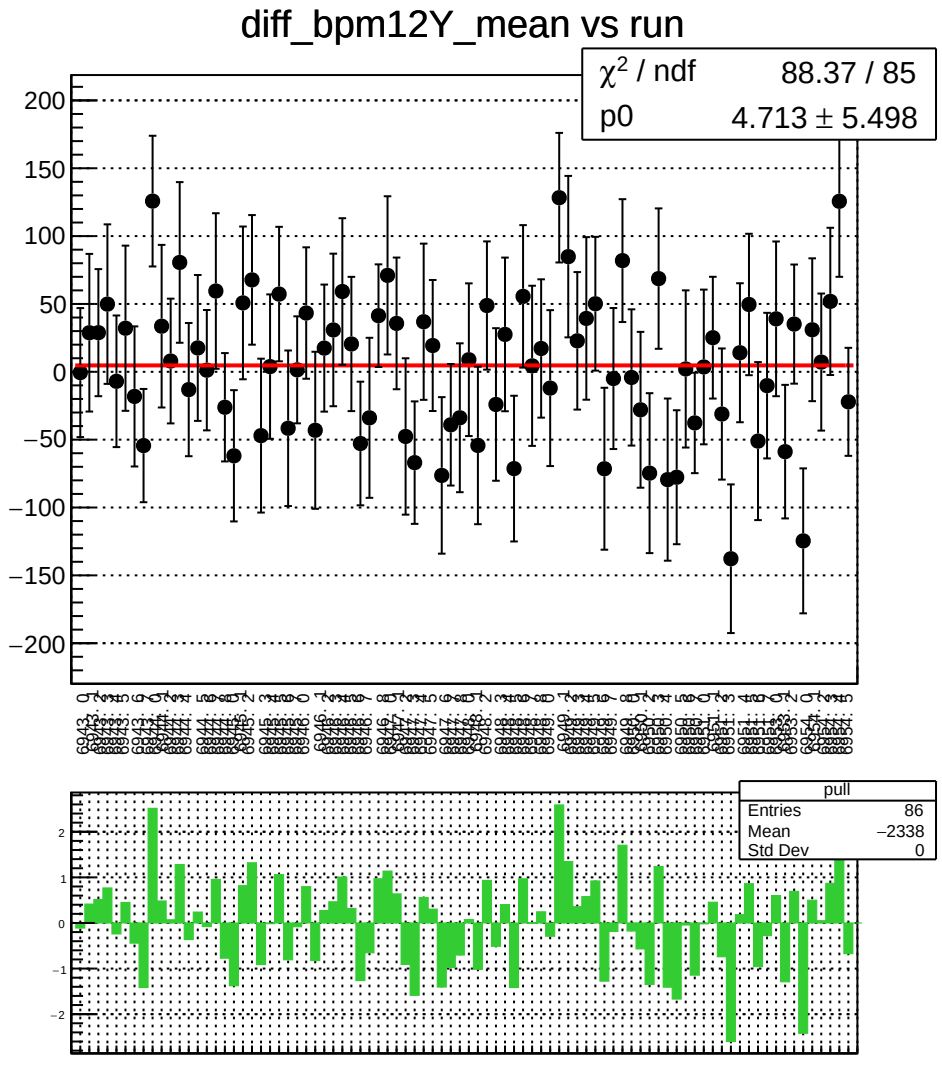

pull1D
Entries 86
Mean −0.0001434
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

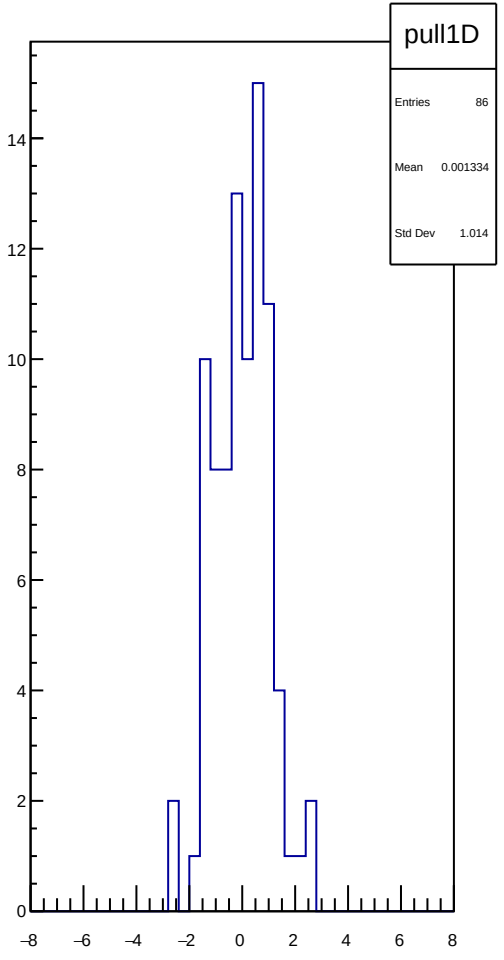

diff_bpm11Y_rms vs run
χ² / ndf 2.209e+04 / 85
p0 6488 ± 5.075
8000
7500
7000
6500
6000
5500
5000

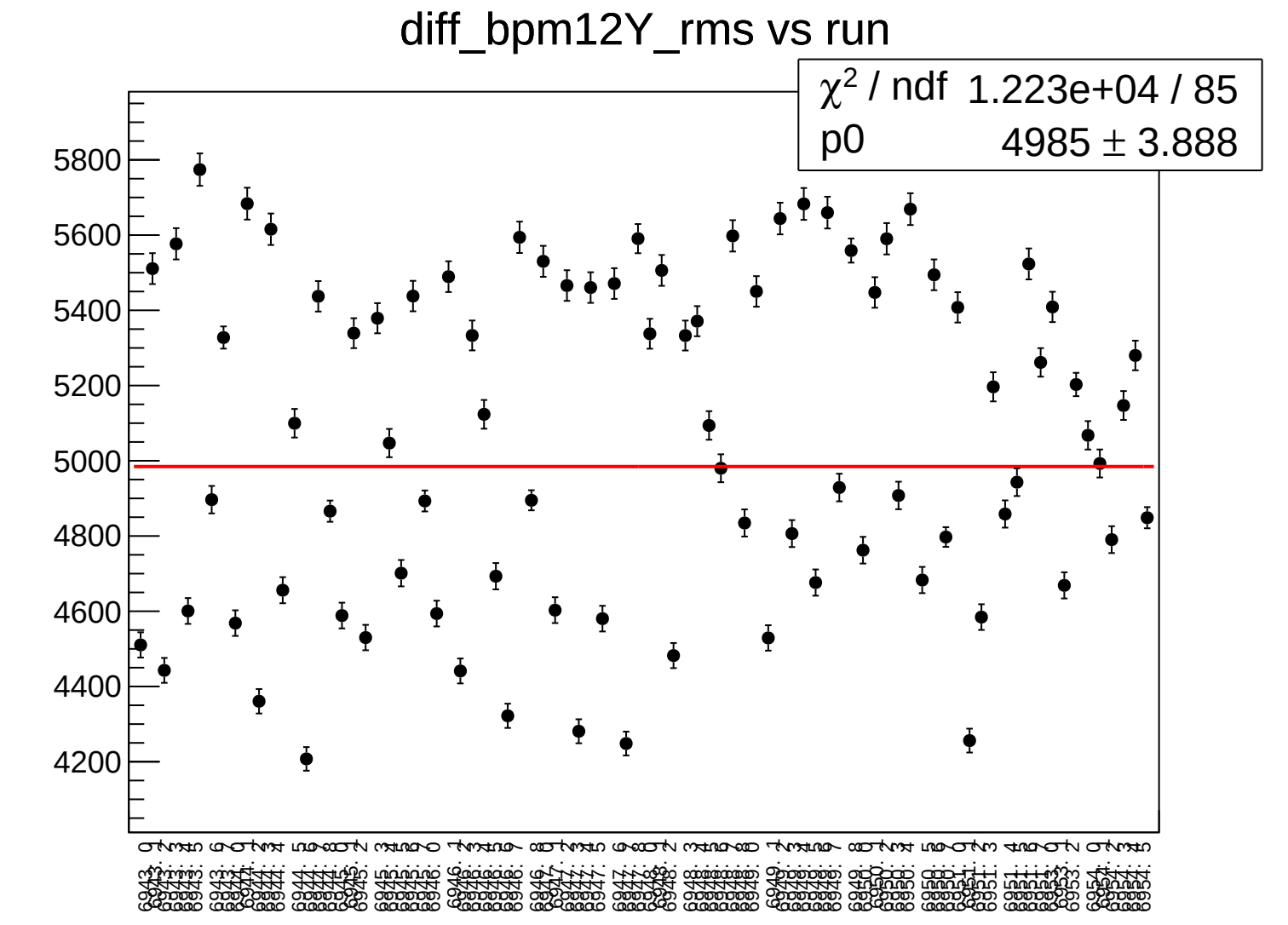

diff_bpm12X_mean vs run
χ^2 / ndf 90.84 / 85
p0 2.095 ± 43.29
pull
Entries 86
Mean 145.2
Std Dev 0

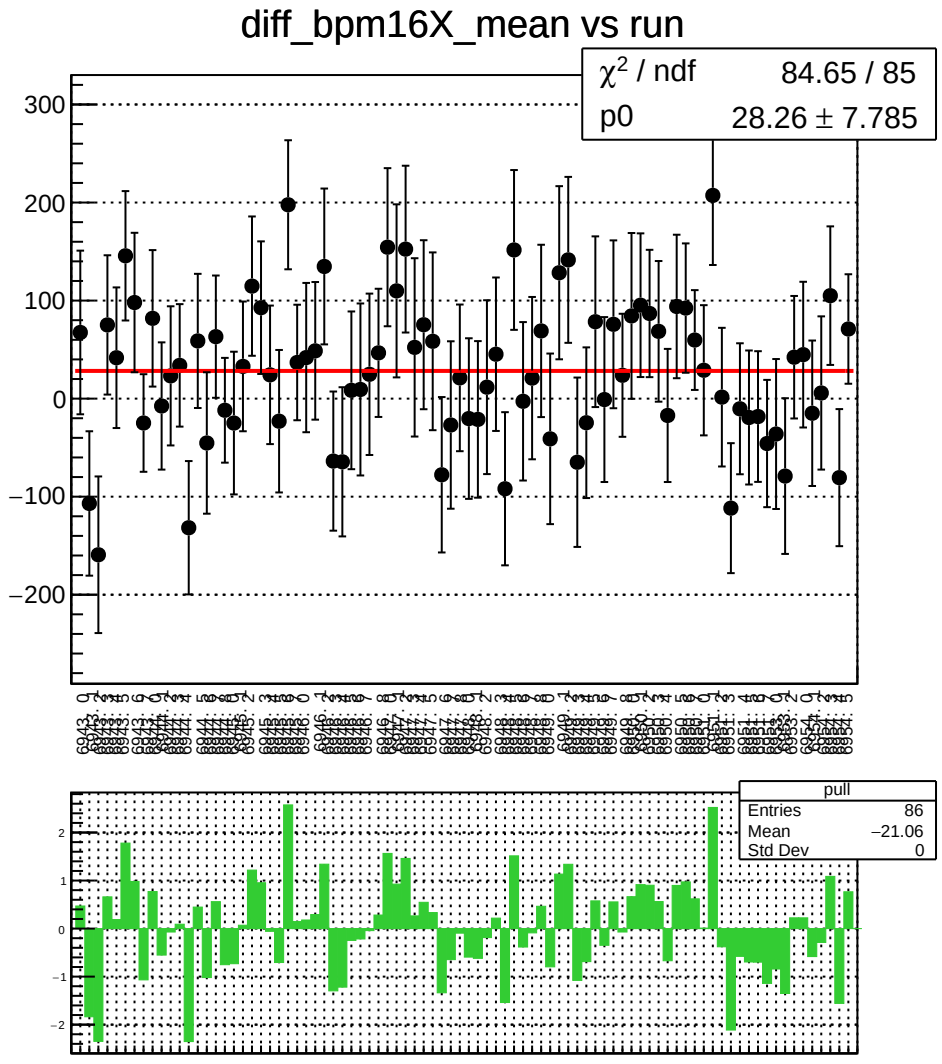

pull1D
Entries 86
Mean 0.02179
Std Dev 1.028

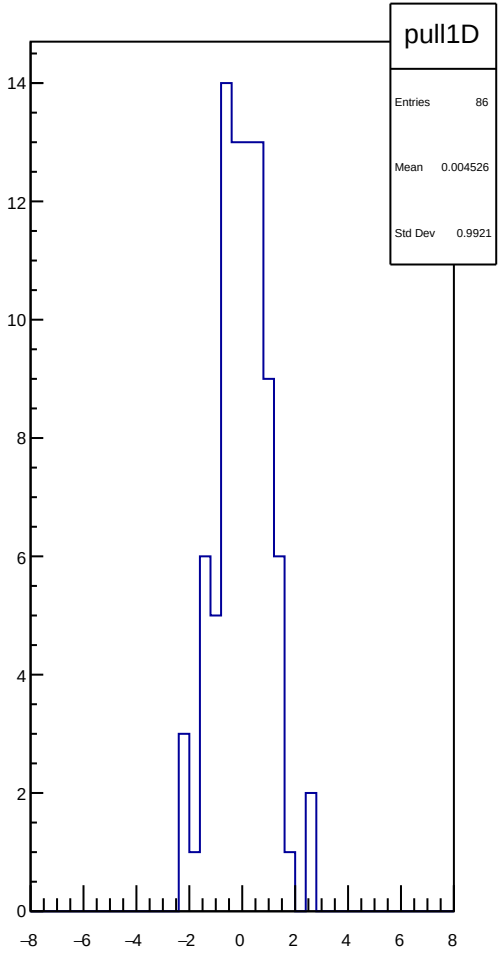

diff_bpm12X_rms vs run
χ^2 / ndf 7782 / 85
p0 3.93e+04 ± 30.61
48000
46000
44000
42000
40000
38000
36000
34000
32000

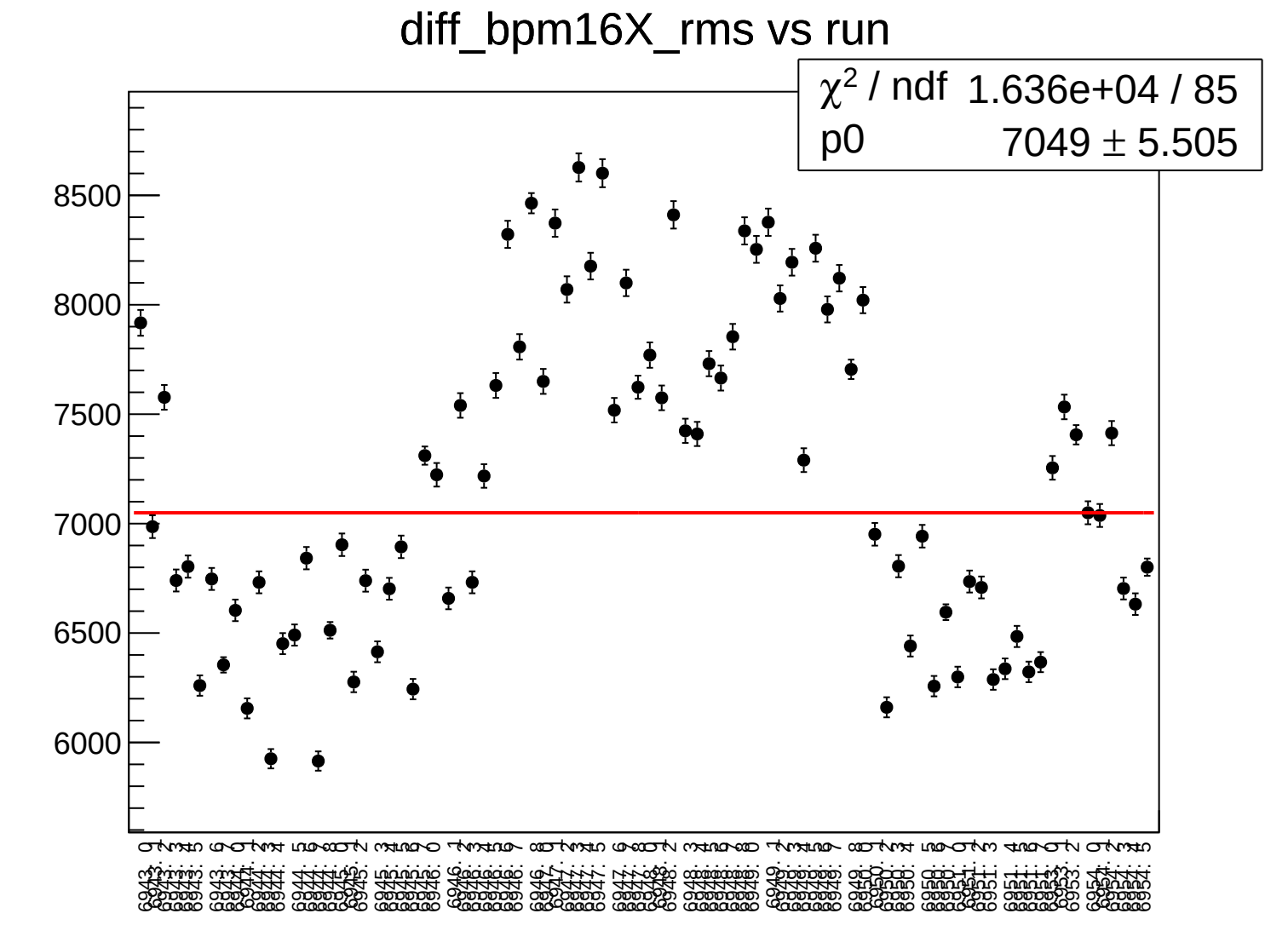

diff_bpm12Y_mean vs run
χ^2 / ndf 88.37 / 85
p0 4.713 ± 5.498
pull
Entries 86
Mean −2338
Std Dev 0

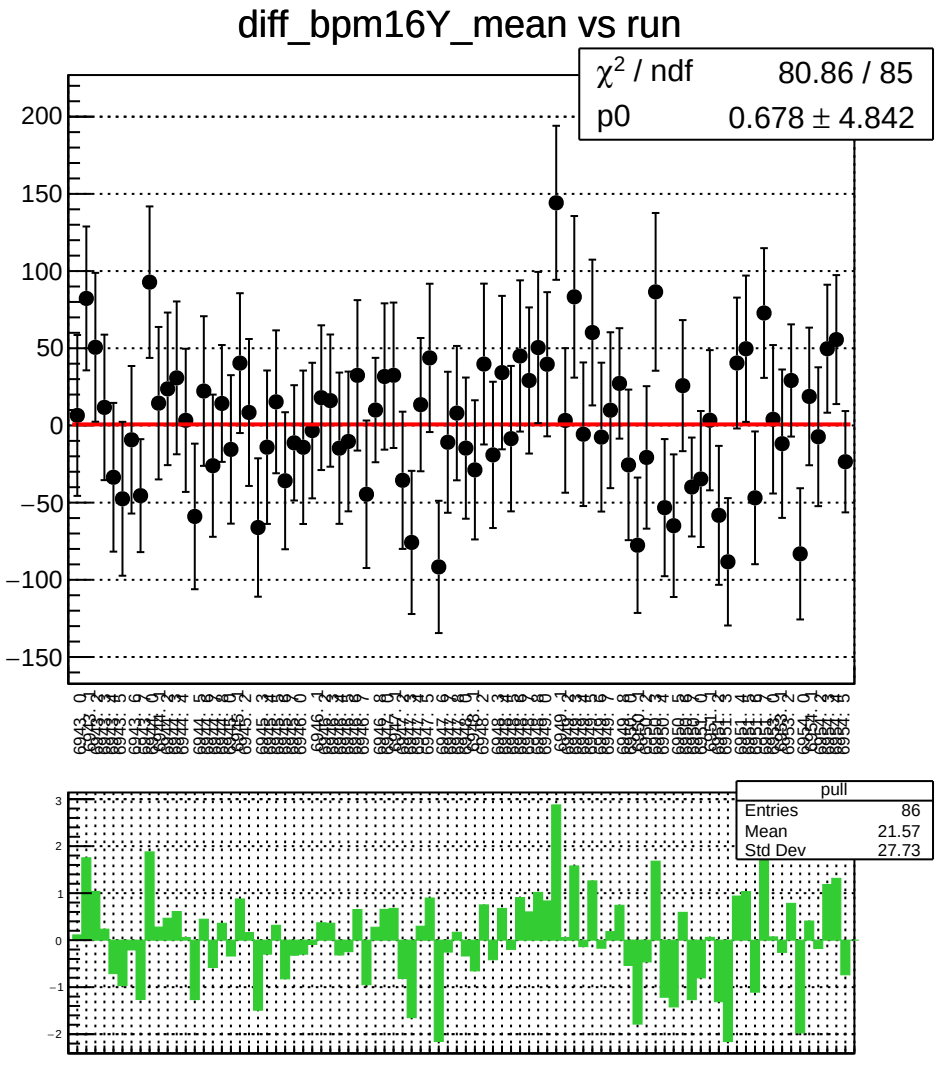

pull1D
Entries 86
Mean 0.001334
Std Dev 1.014

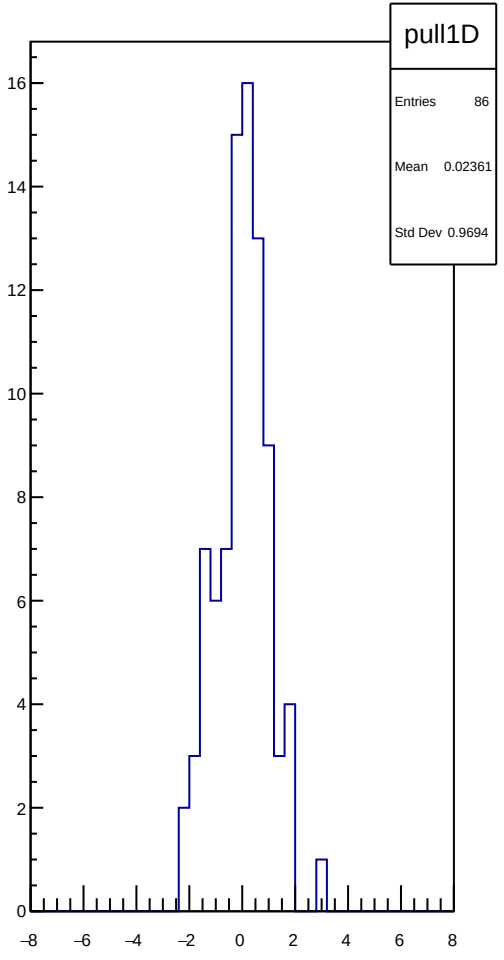

diff_bpm12Y_rms vs run
χ^2 / ndf 1.223e+04 / 85
p0 4985 ± 3.888
5800
5600
5400
5200
5000
4800
4600
4400
4200

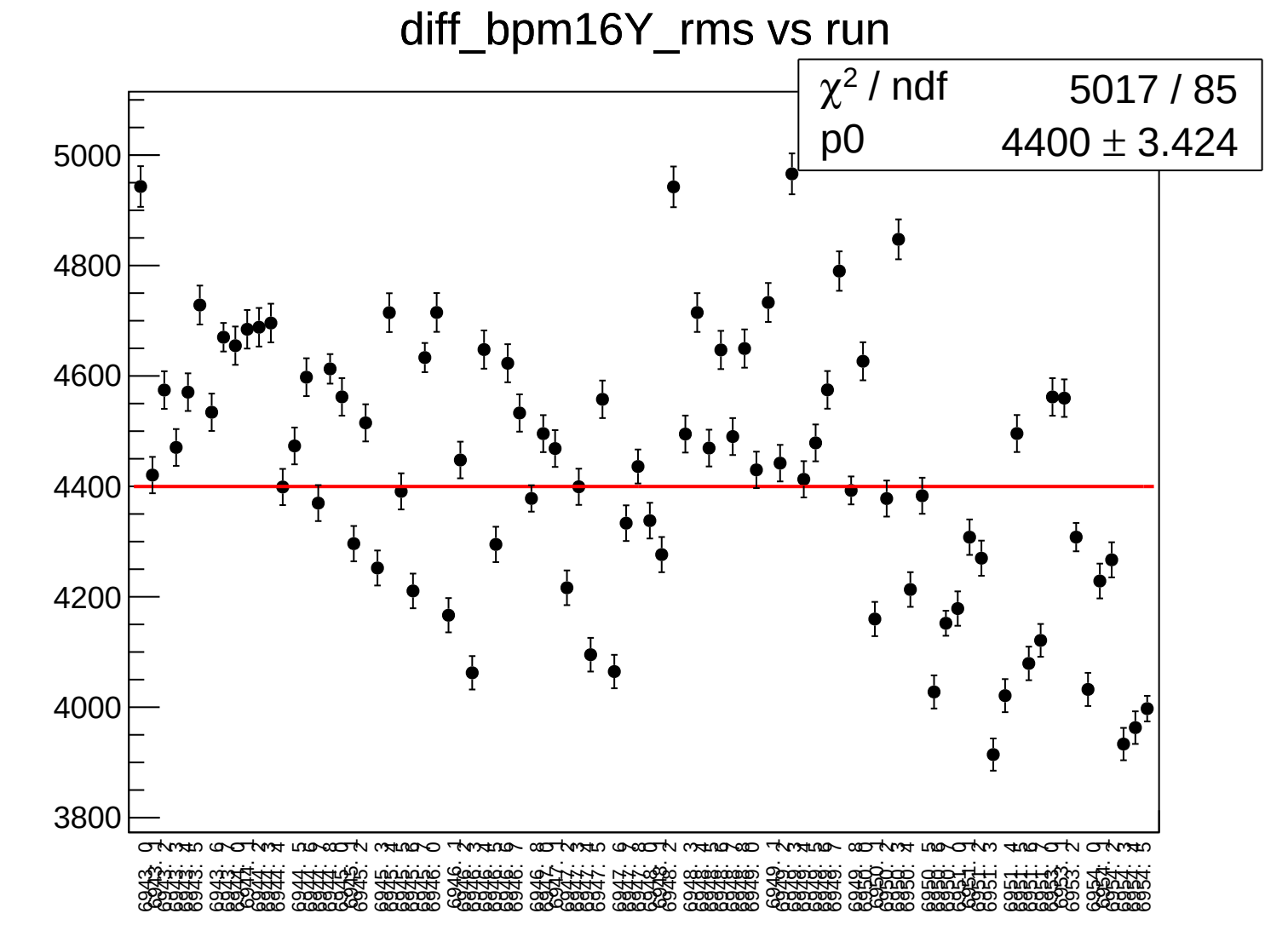

diff_bpm16X_mean vs run
χ² / ndf 84.65 / 85
p0 28.26 ± 7.785
300
200
100
0
−100
−200
pull
Entries 86
Mean −21.06
Std Dev 0
2
1
0
−1
−2

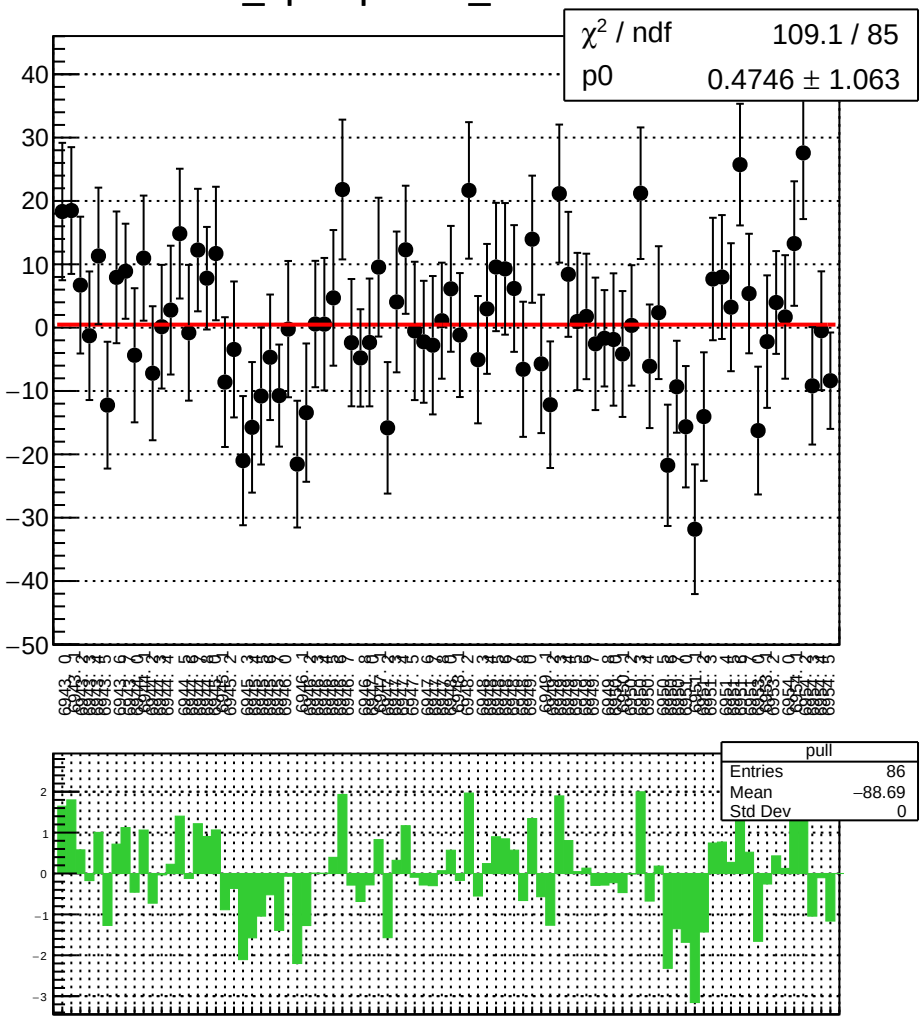

pull1D
Entries 86
Mean 0.004526
Std Dev 0.9921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

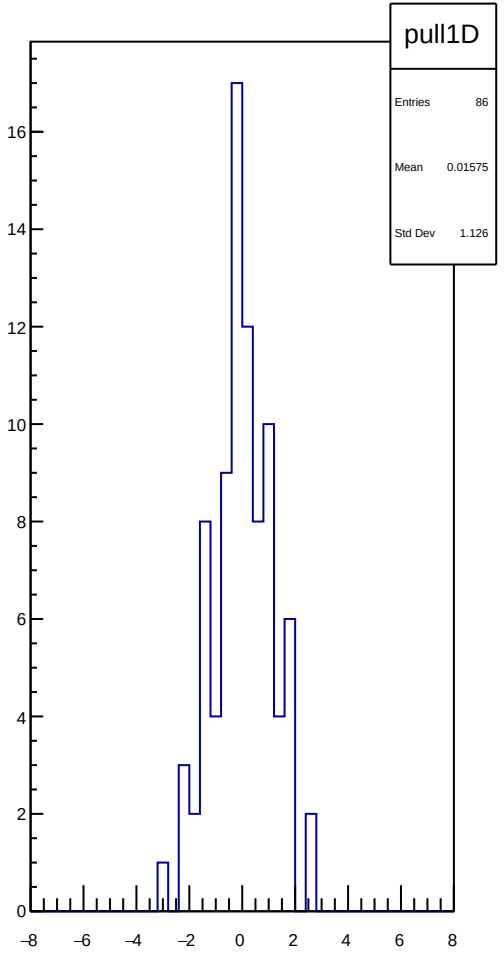

diff_bpm16X_rms vs run
χ^2 / ndf 1.636e+04 / 85
p0 7049 ± 5.505
8500
8000
7500
7000
6500
6000

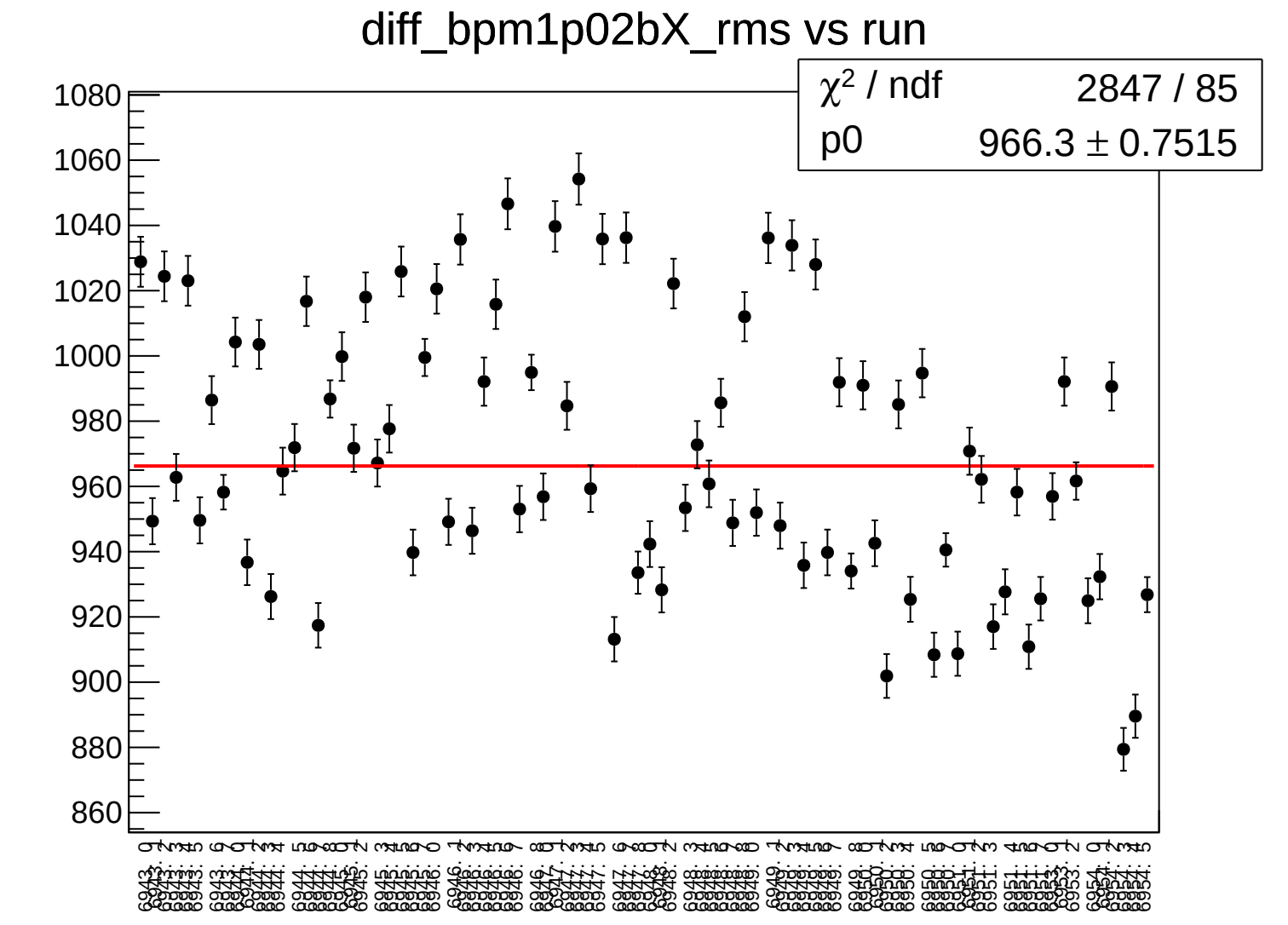

diff_bpm16Y_mean vs run
χ^2 / ndf 80.86 / 85
p0 0.678 ± 4.842
pull
Entries 86
Mean 21.57
Std Dev 27.73

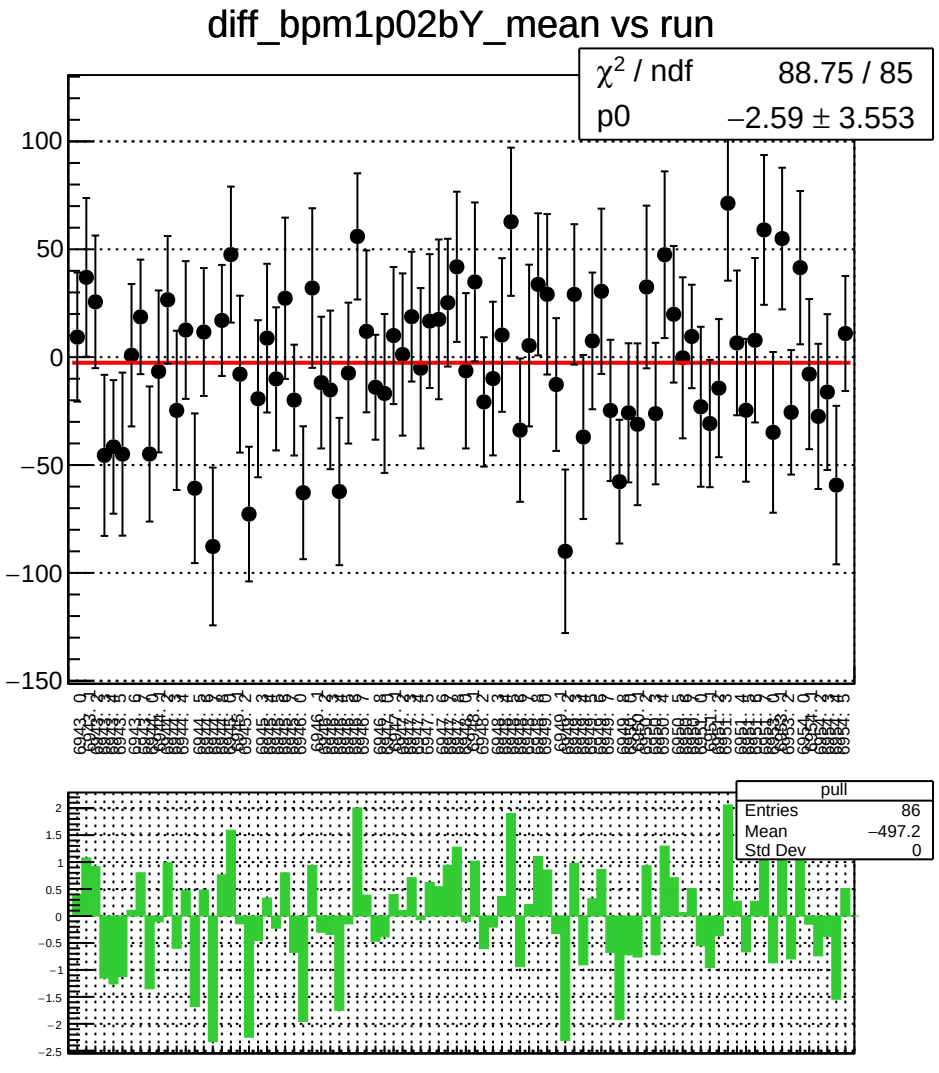

pull1D
Entries 86
Mean 0.02361
Std Dev 0.9694

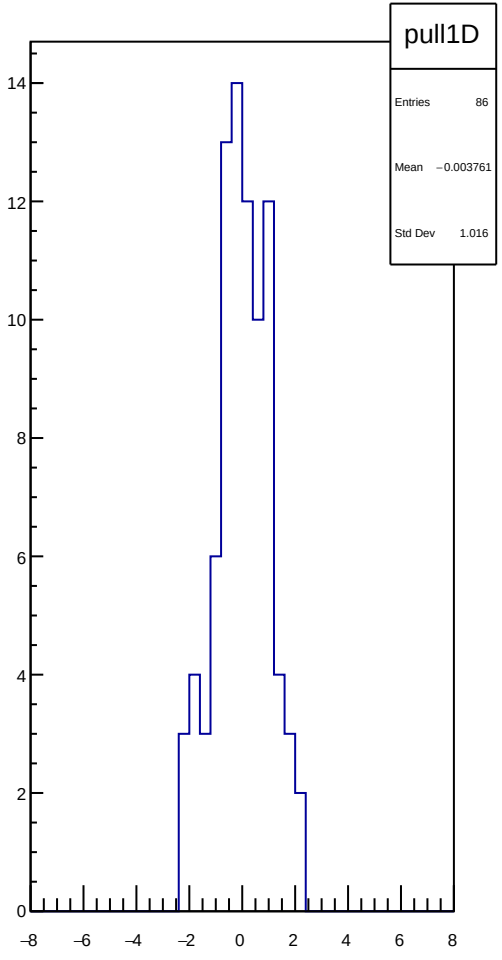

diff_bpm16Y_rms vs run
χ^2 / ndf 5017 / 85
p0 4400 ± 3.424
5000
4800
4600
4400
4200
4000
3800

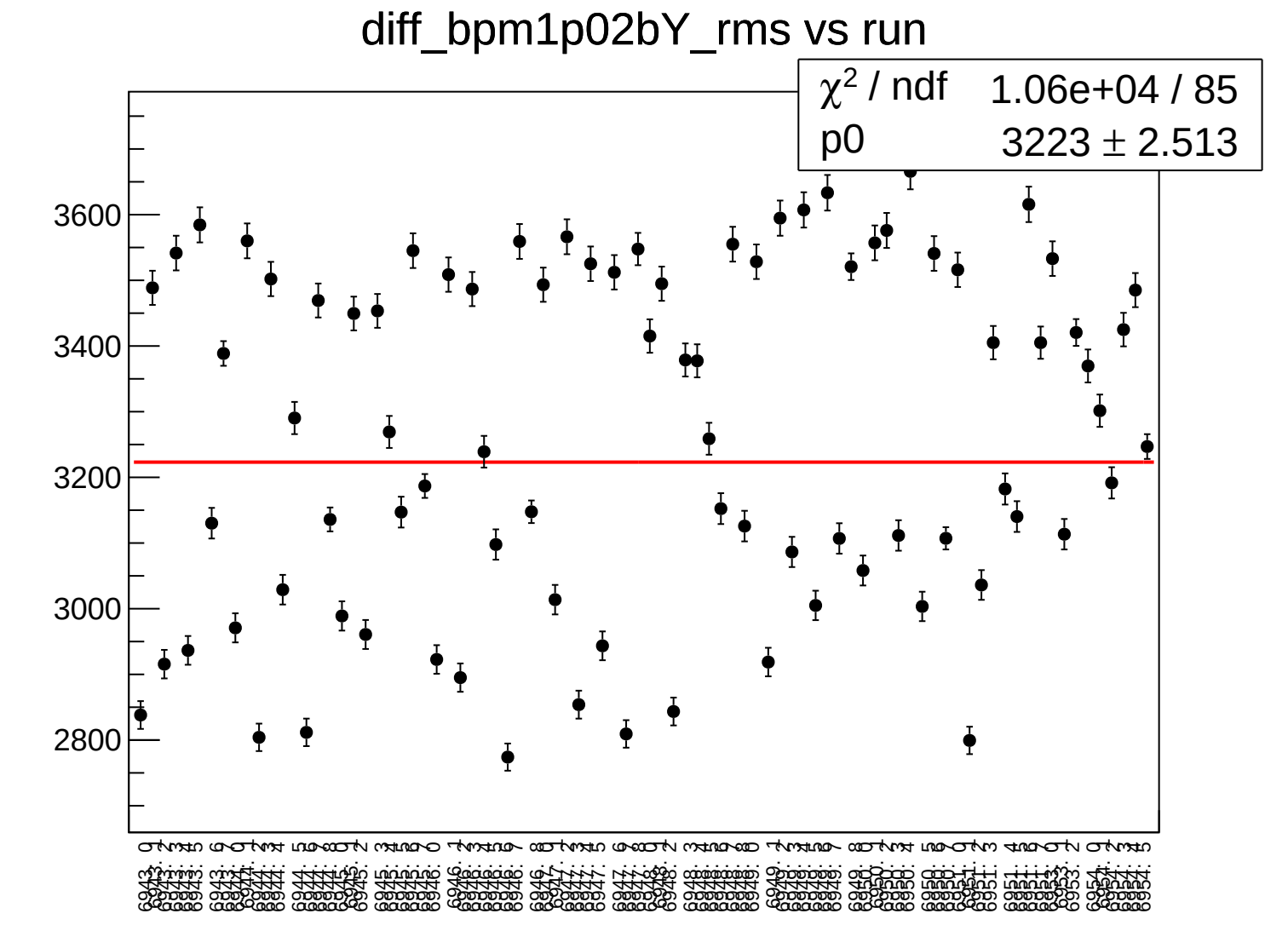

diff_bpm1p02bX_mean vs run
χ² / ndf 109.1 / 85
p0 0.4746 ± 1.063
pull
Entries 86
Mean −88.69
Std Dev 0

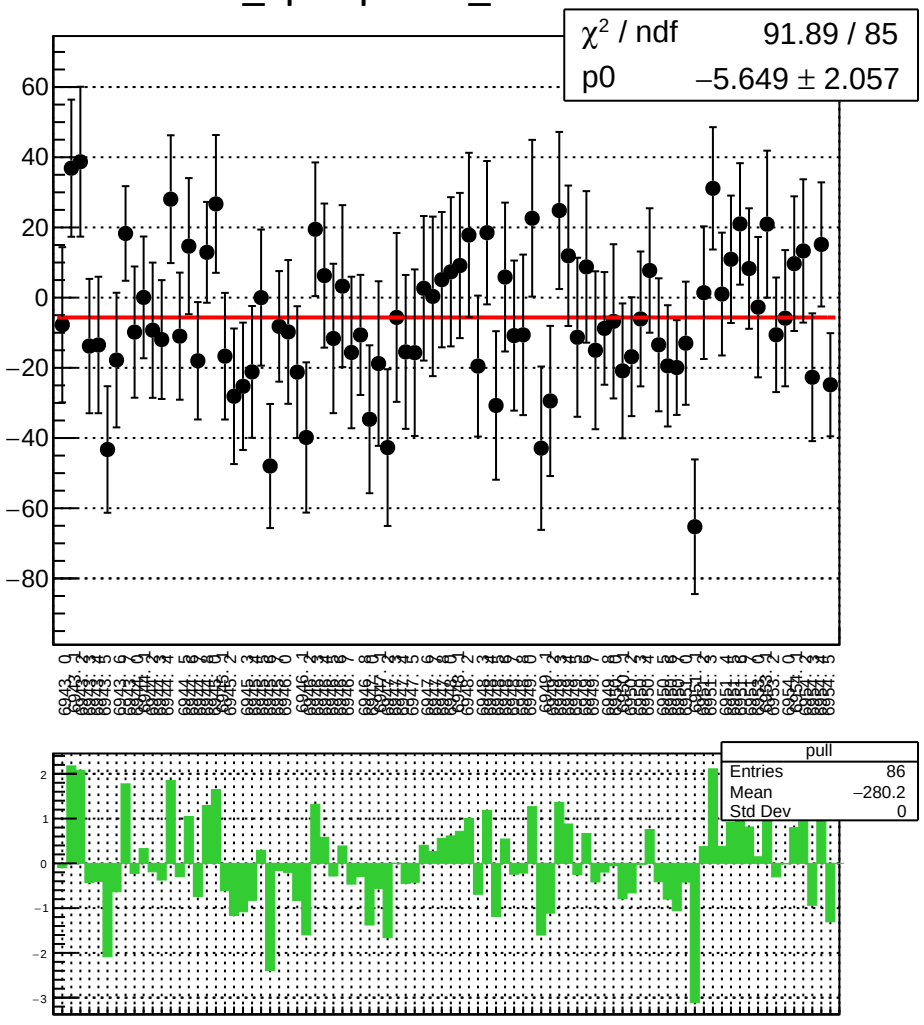

pull1D
Entries 86
Mean 0.01575
Std Dev 1.126

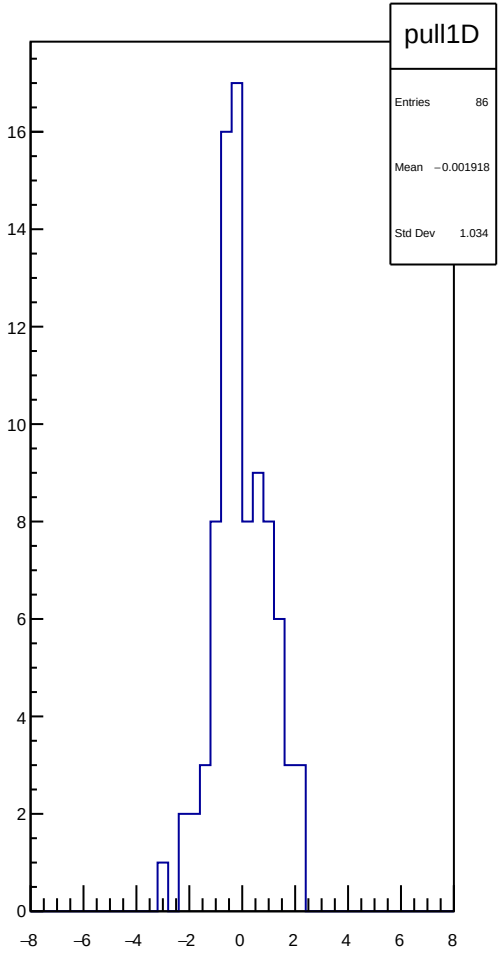

diff_bpm1p02bX_rms vs run
χ² / ndf 2847 / 85
p0 966.3 ± 0.7515
1080
1060
1040
1020
1000
980
960
940
920
900
880
860

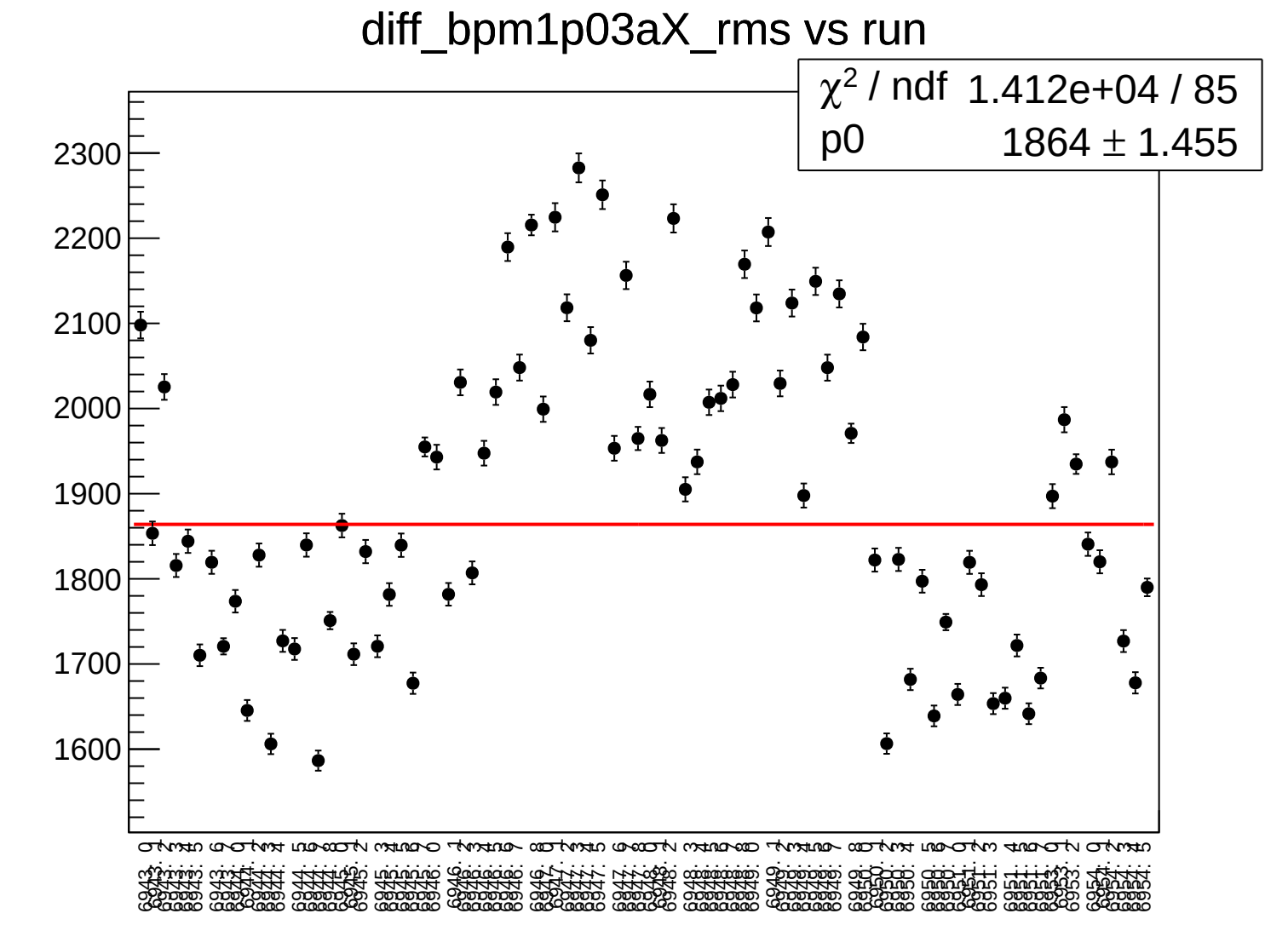

diff_bpm1p02bY_mean vs run
χ^2 / ndf 88.75 / 85
p0 −2.59 ± 3.553
pull
Entries 86
Mean −497.2
Std Dev 0

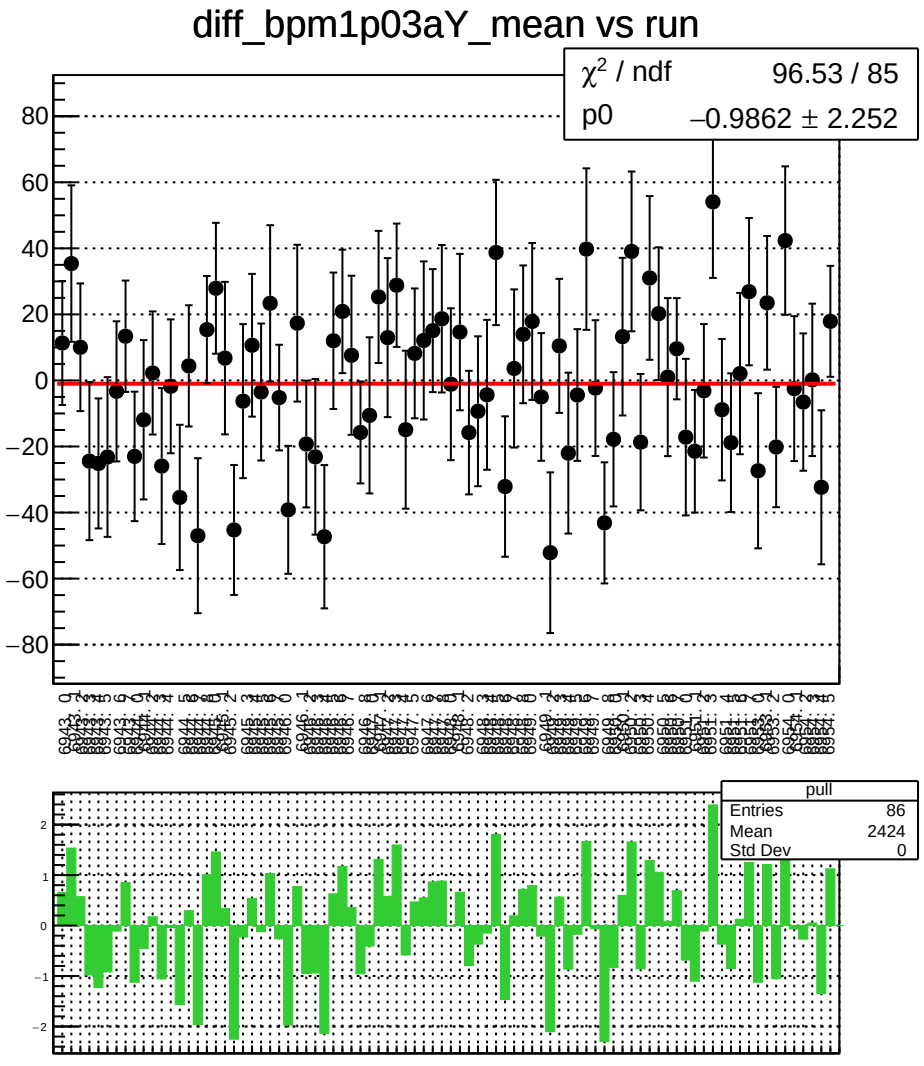

pull1D
Entries 86
Mean −0.003761
Std Dev 1.016

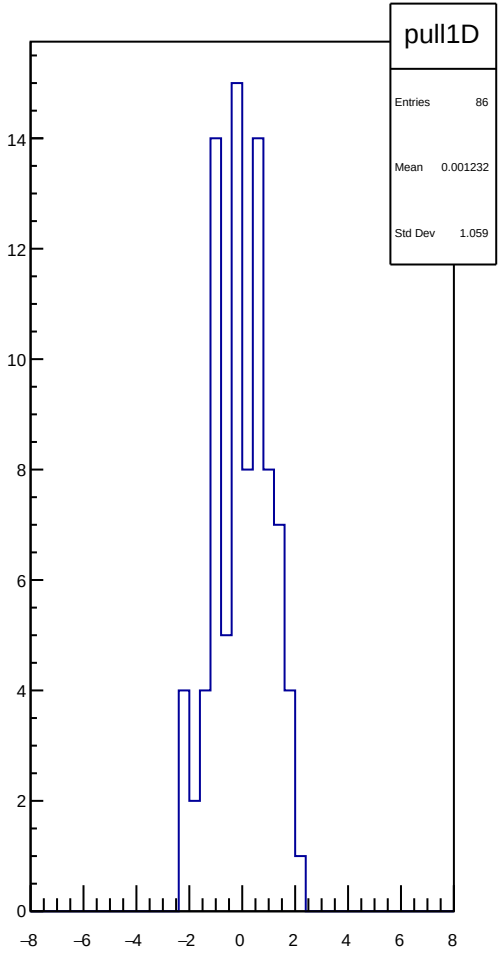

diff_bpm1p02bY_rms vs run
χ² / ndf 1.06e+04 / 85
p0 3223 ± 2.513
3600
3400
3200
3000
2800

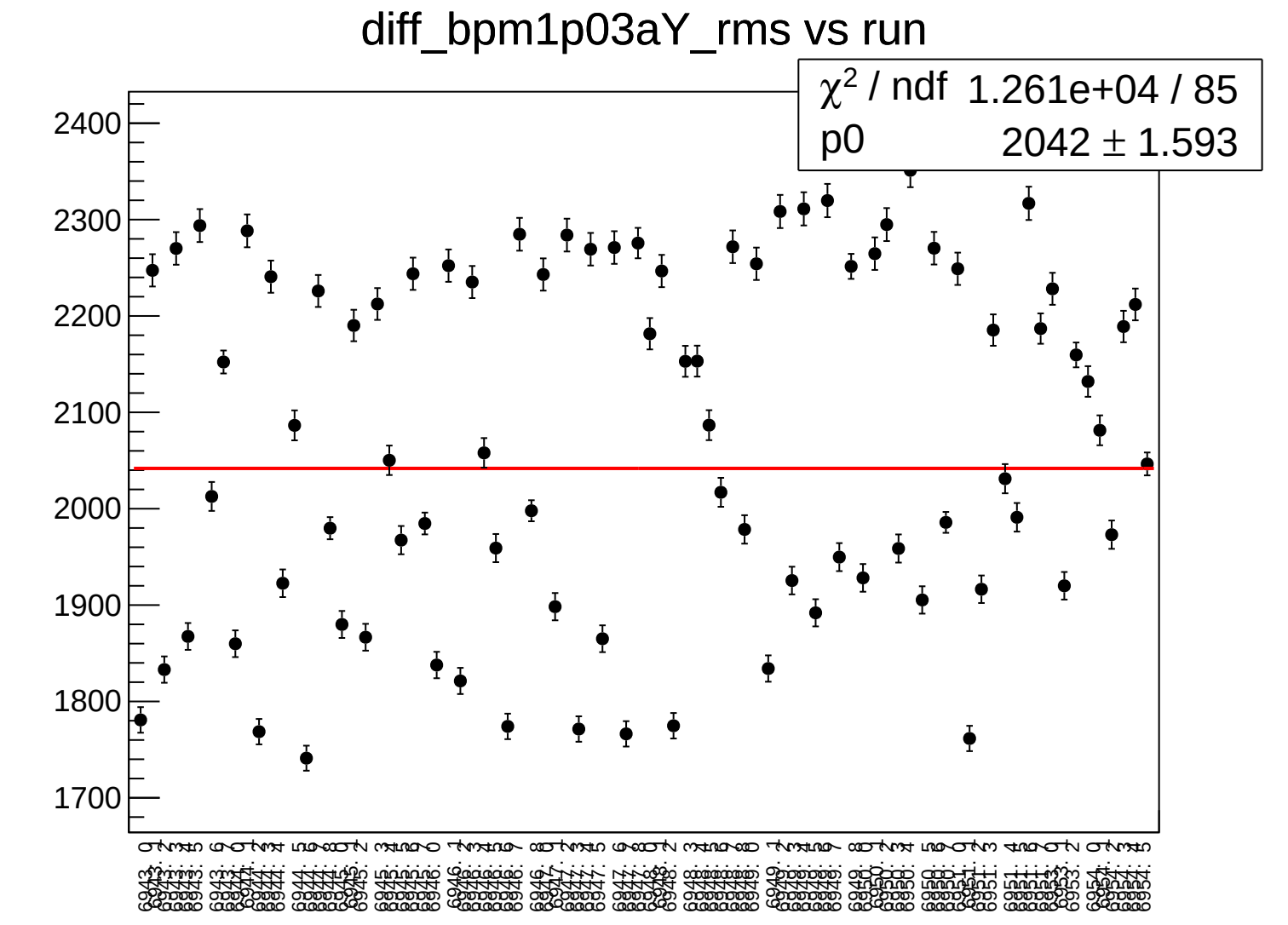

diff_bpm1p03aX_mean vs run
χ² / ndf 91.89 / 85
p0 −5.649 ± 2.057
pull
Entries 86
Mean −280.2
Std Dev 0

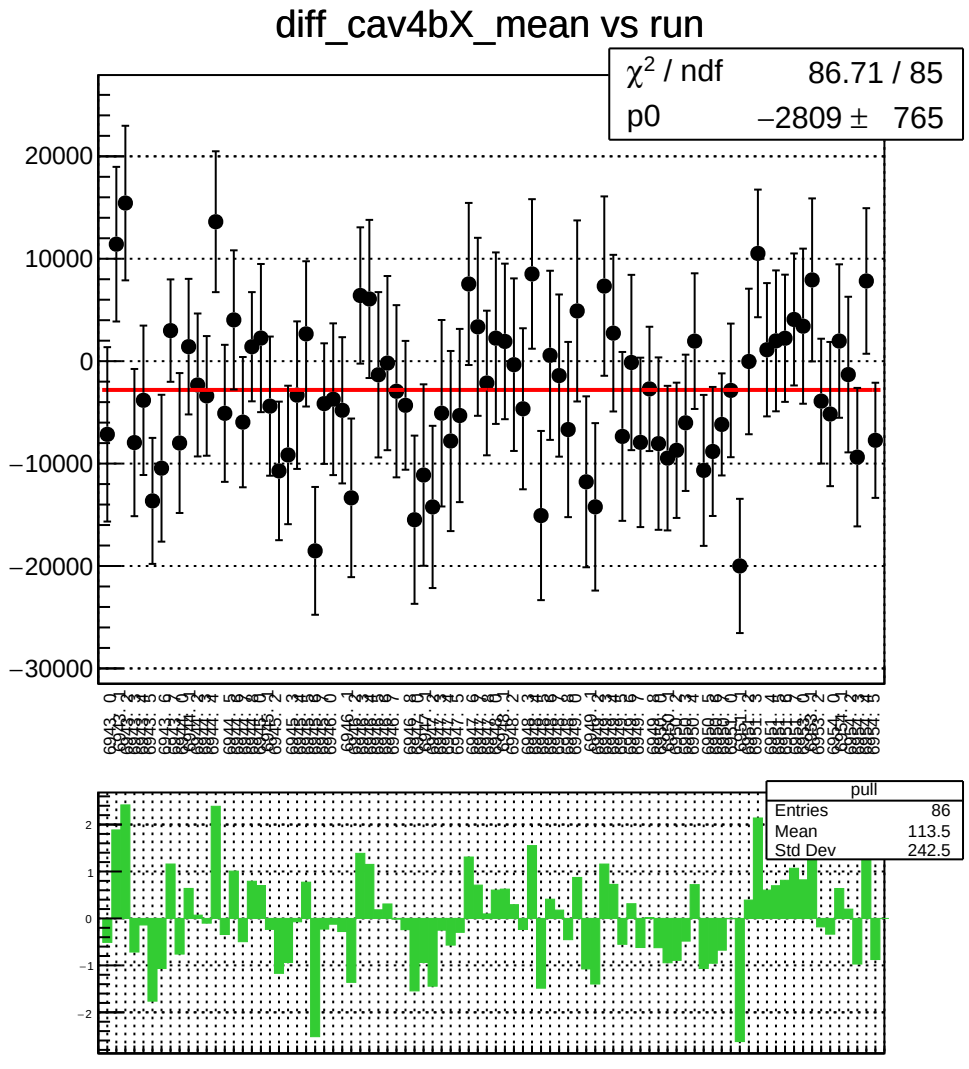

pull1D
Entries 86
Mean −0.001918
Std Dev 1.034

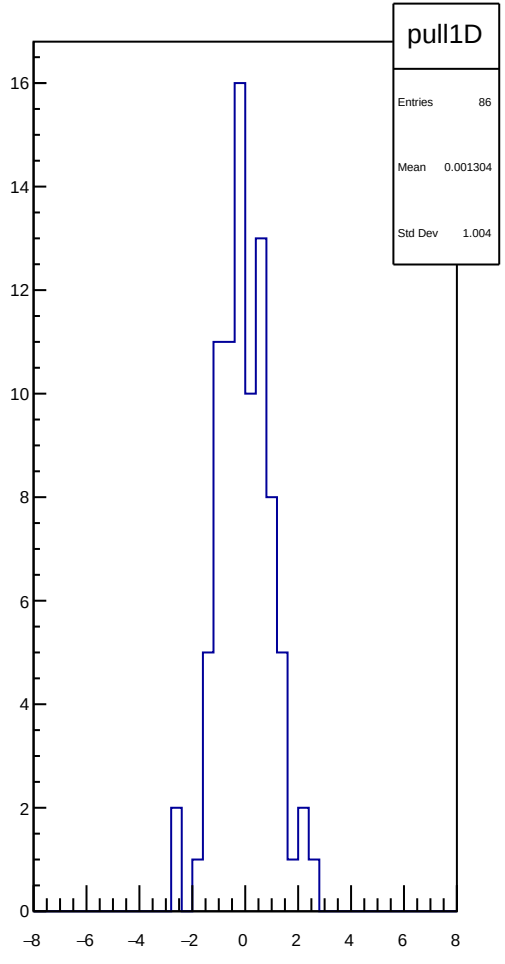

diff_bpm1p03aX_rms vs run
χ² / ndf 1.412e+04 / 85
p0 1864 ± 1.455
2300
2200
2100
2000
1900
1800
1700
1600

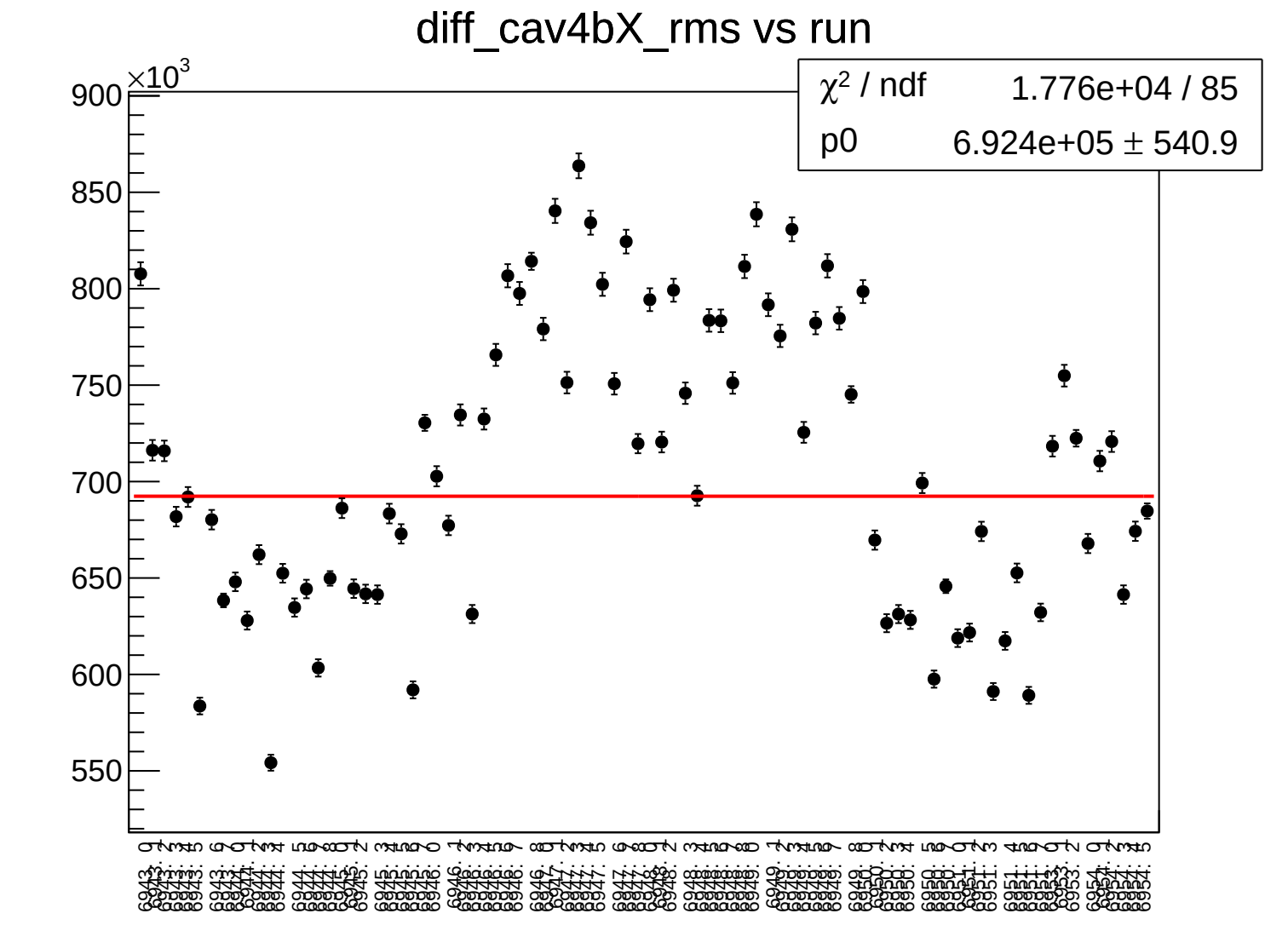

diff_bpm1p03aY_mean vs run
χ² / ndf 96.53 / 85
p0 −0.9862 ± 2.252
pull
Entries 86
Mean 2424
Std Dev 0

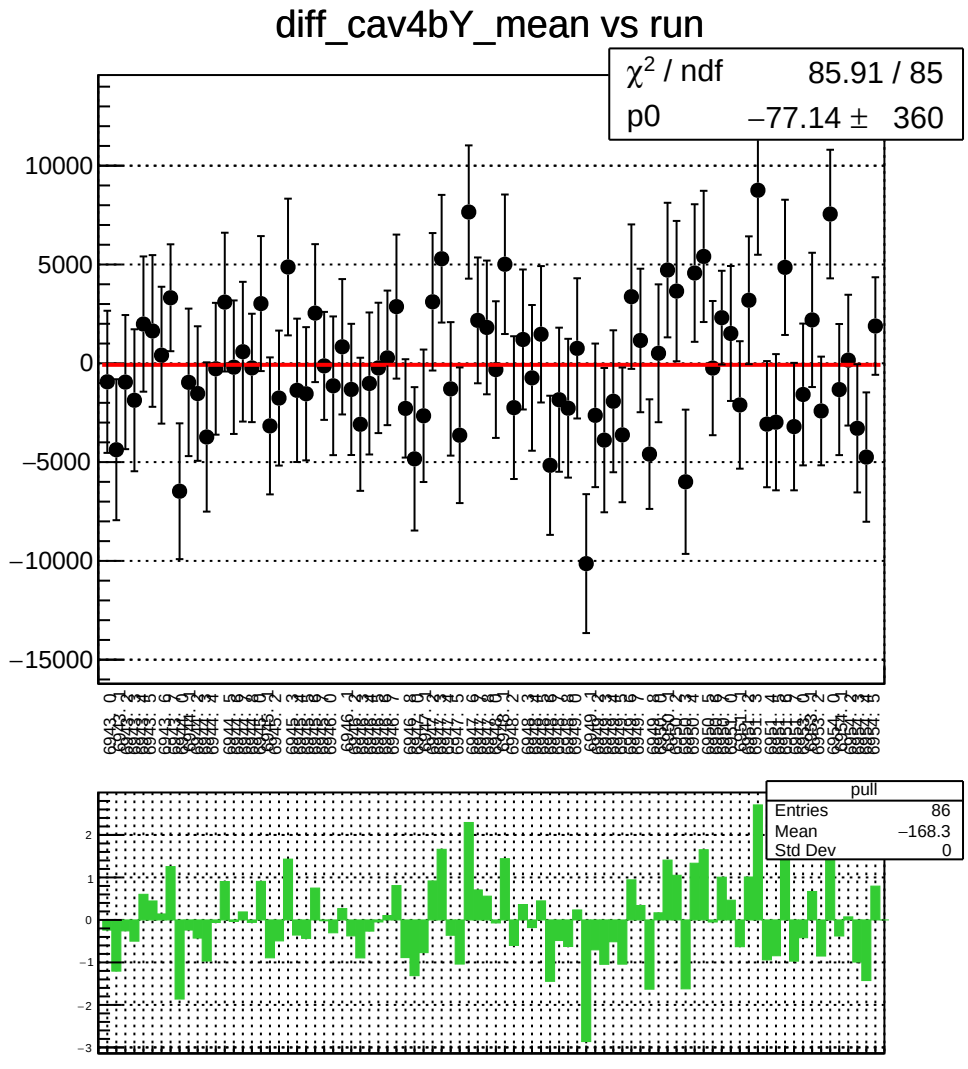

pull1D
Entries 86
Mean 0.001232
Std Dev 1.059

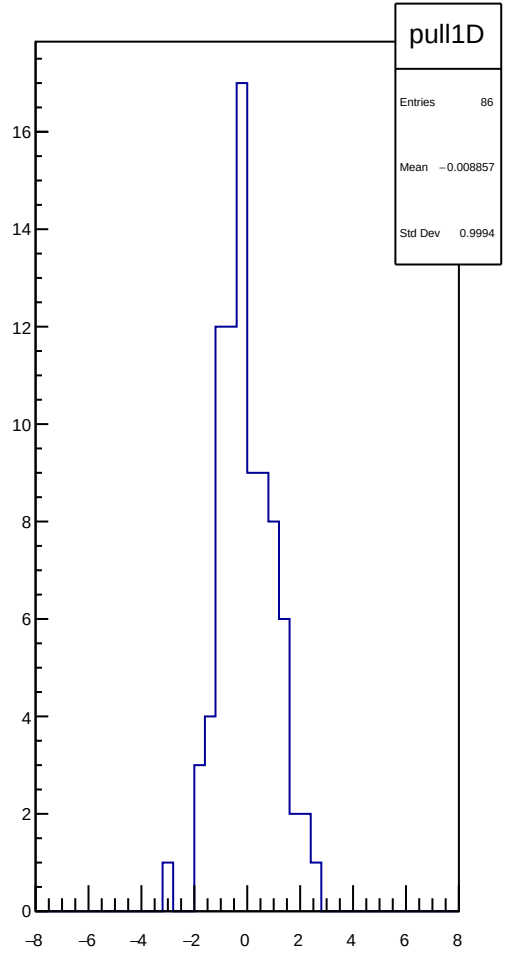

diff_bpm1p03aY_rms vs run
χ² / ndf 1.261e+04 / 85
p0 2042 ± 1.593
2400
2300
2200
2100
2000
1900
1800
1700

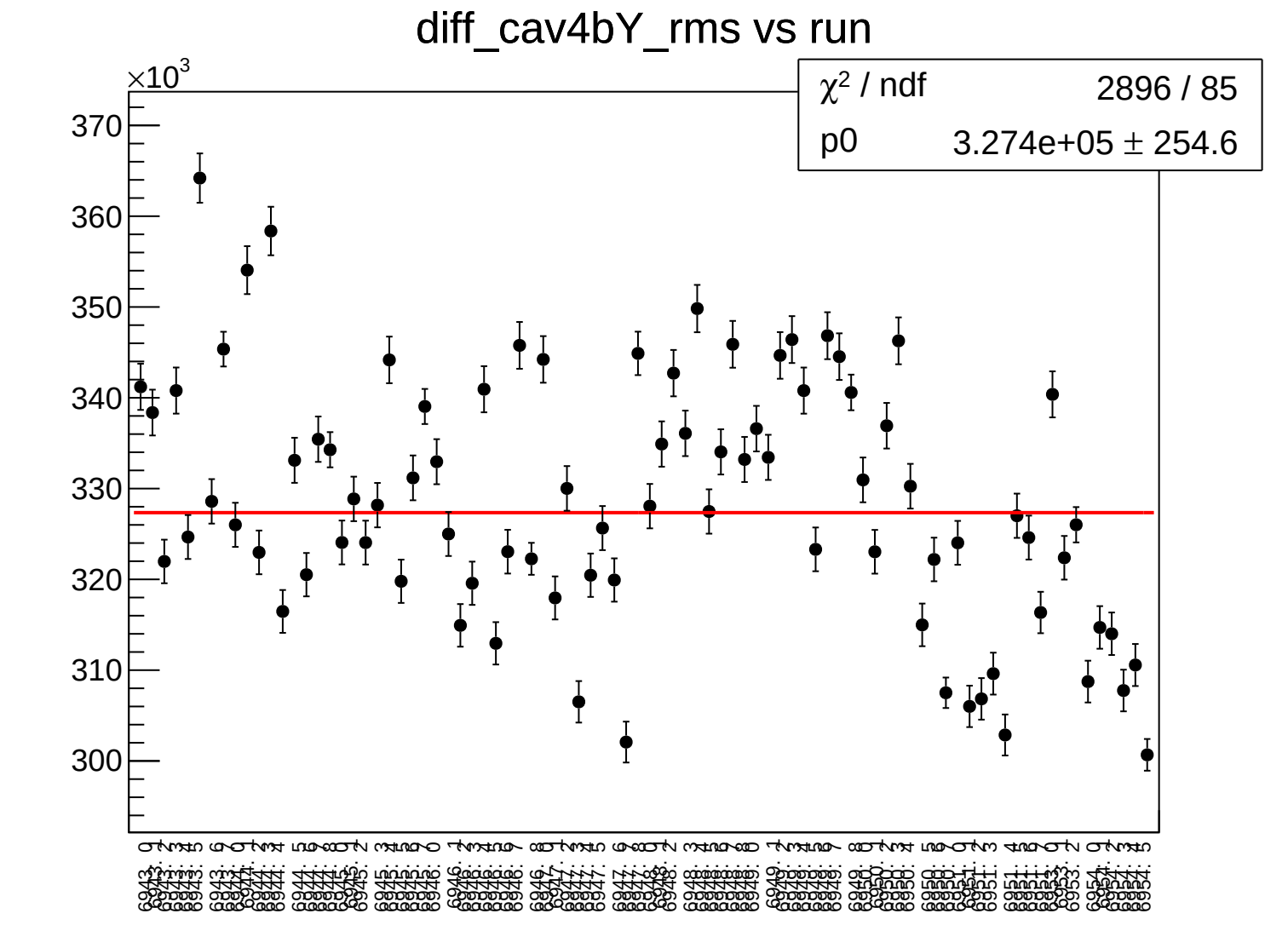

diff_cav4bX_mean vs run
χ² / ndf 86.71 / 85
p0 −2809 ± 765
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 113.5
Std Dev 242.5
2
1
0
−1
−2

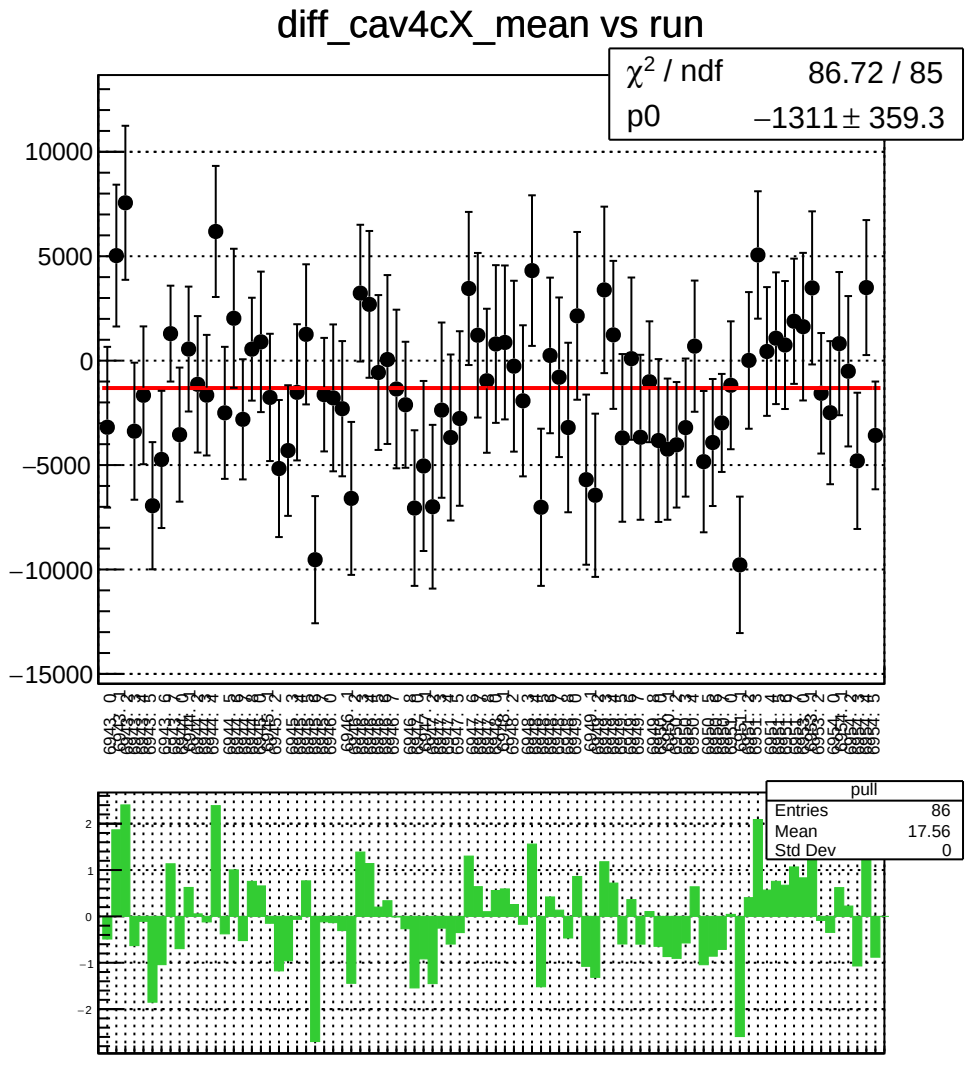

pull1D
Entries 86
Mean 0.001304
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

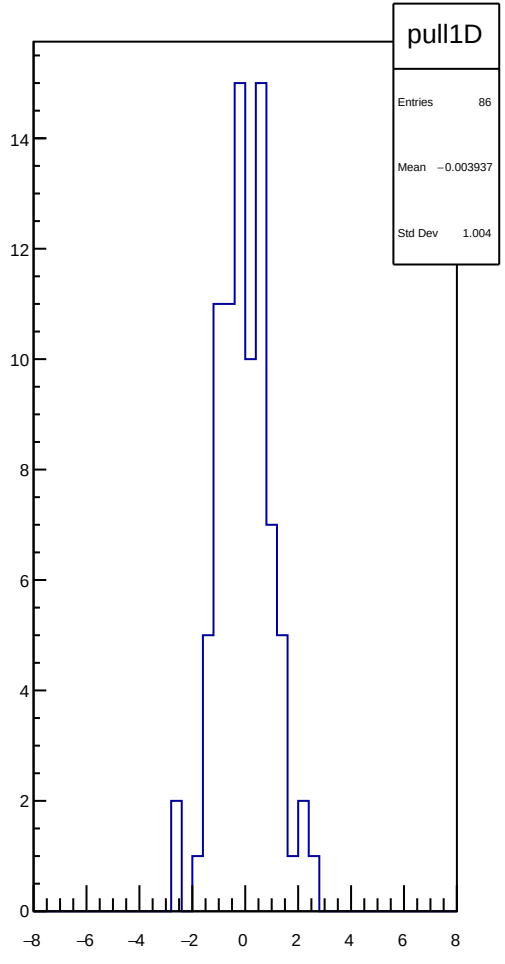

diff_cav4bX_rms vs run
×10^3
900
850
800
750
700
650
600
550
χ² / ndf 1.776e+04 / 85
p0 6.924e+05 ± 540.9

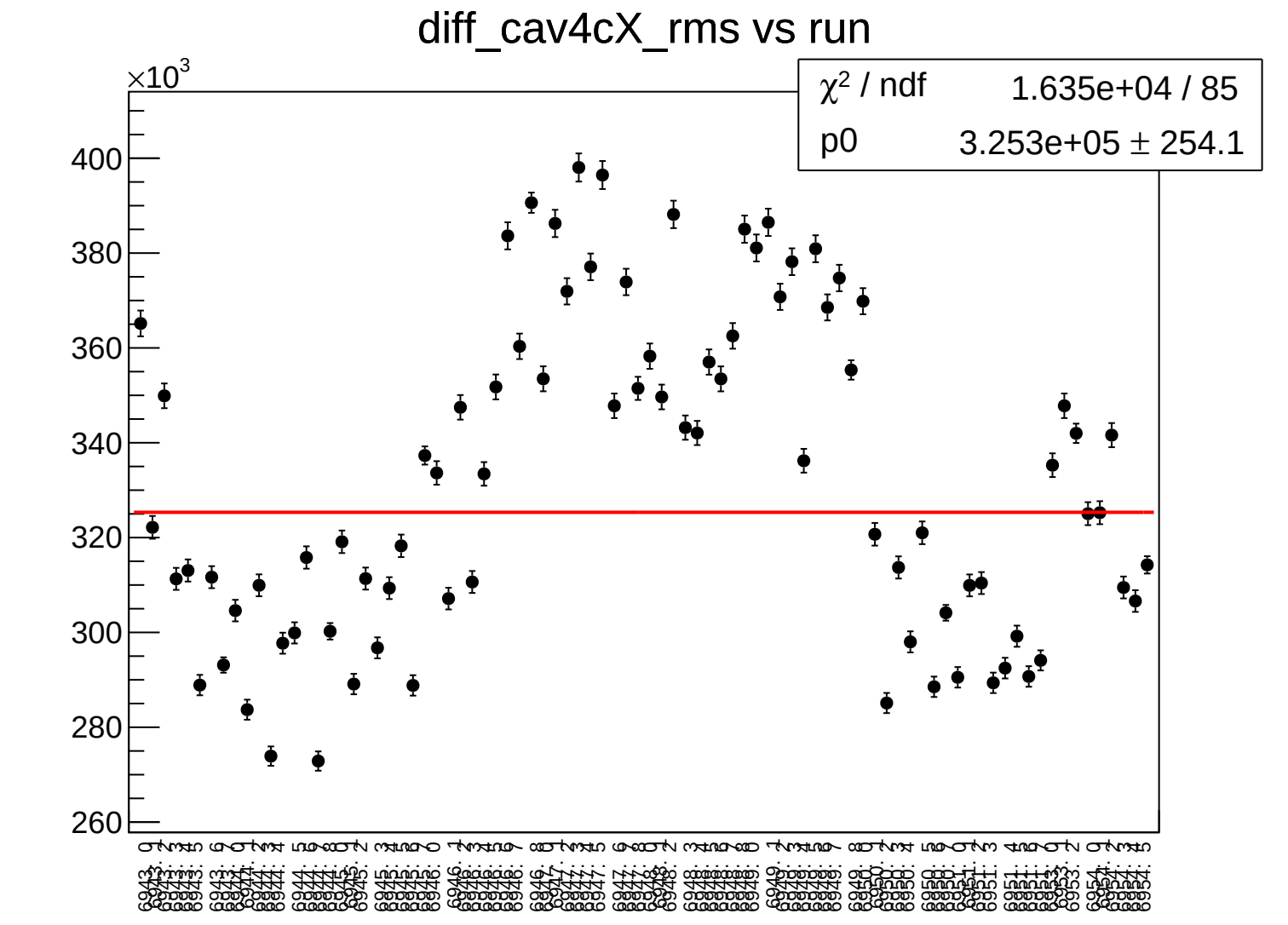

diff_cav4bY_mean vs run
χ² / ndf 85.91 / 85
p0 −77.14 ± 360
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −168.3
Std Dev 0
2
1
0
−1
−2
−3

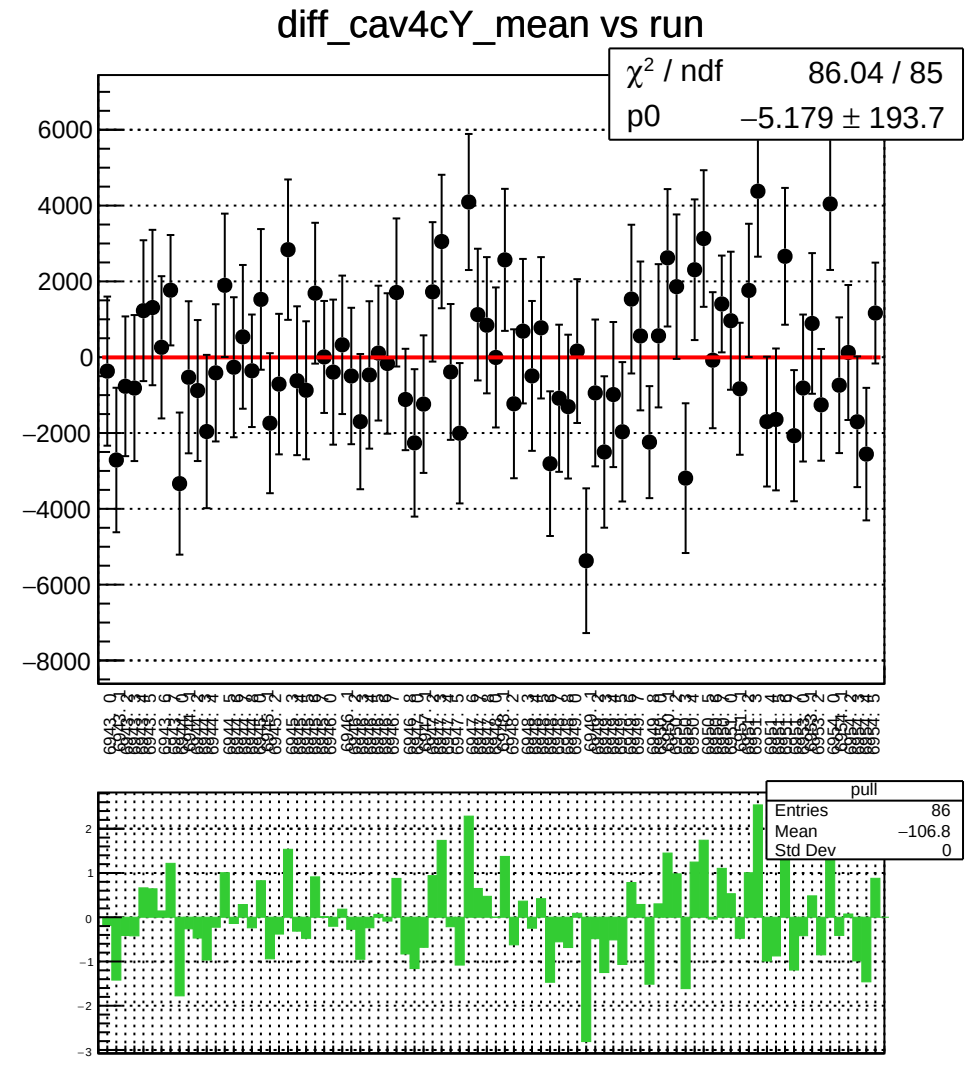

pull1D
Entries 86
Mean −0.008857
Std Dev 0.9994
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

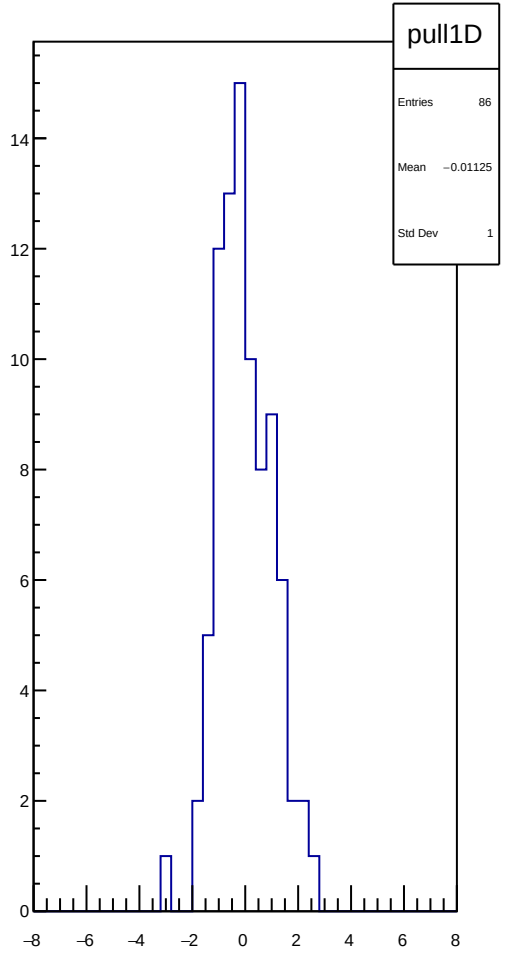

diff_cav4bY_rms vs run
×10^3
χ² / ndf 2896 / 85
p0 3.274e+05 ± 254.6
370
360
350
340
330
320
310
300

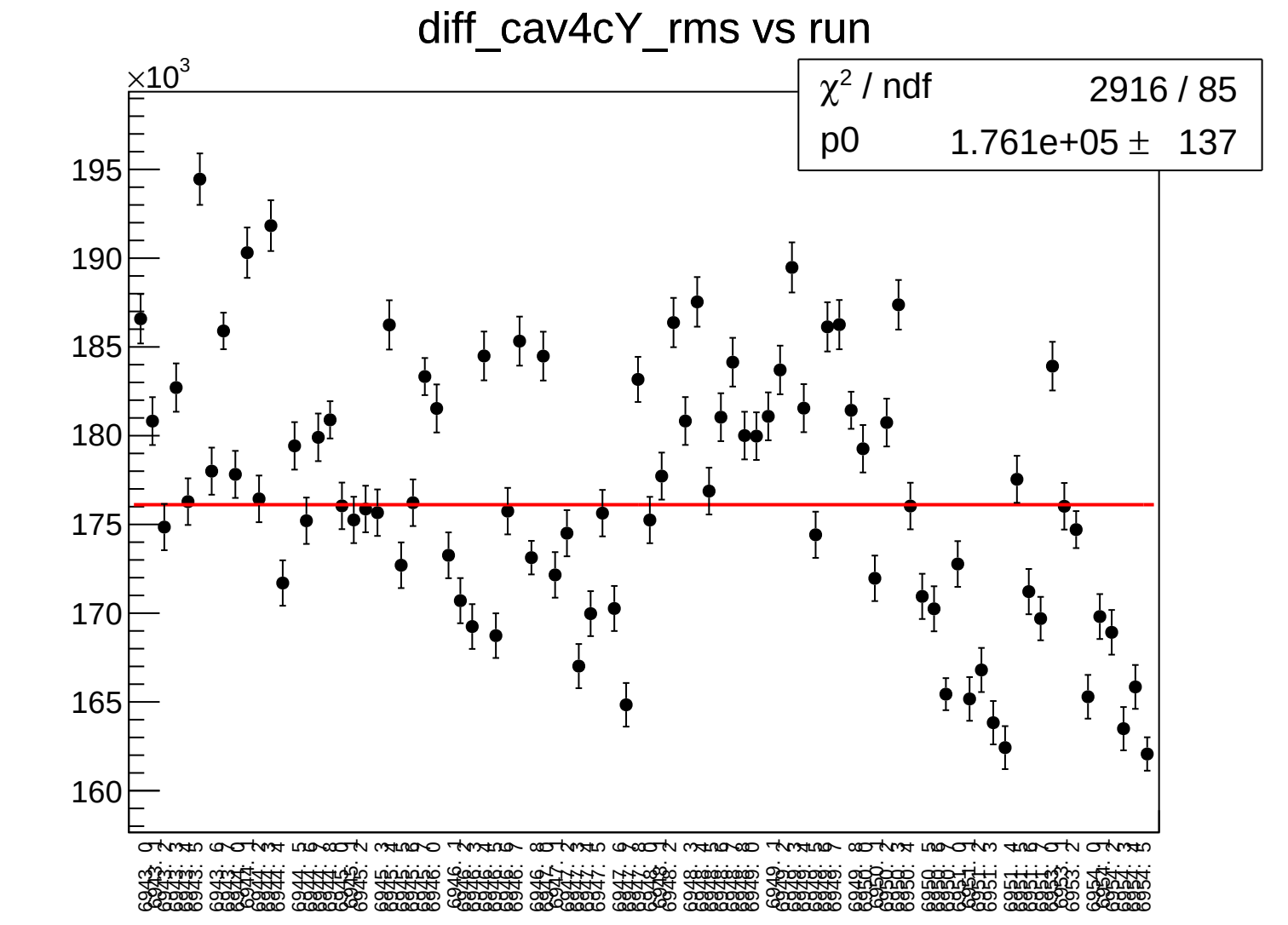

diff_cav4cX_mean vs run
χ² / ndf 86.72 / 85
p0 −1311 ± 359.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.56
Std Dev 0
2
1
0
−1
−2

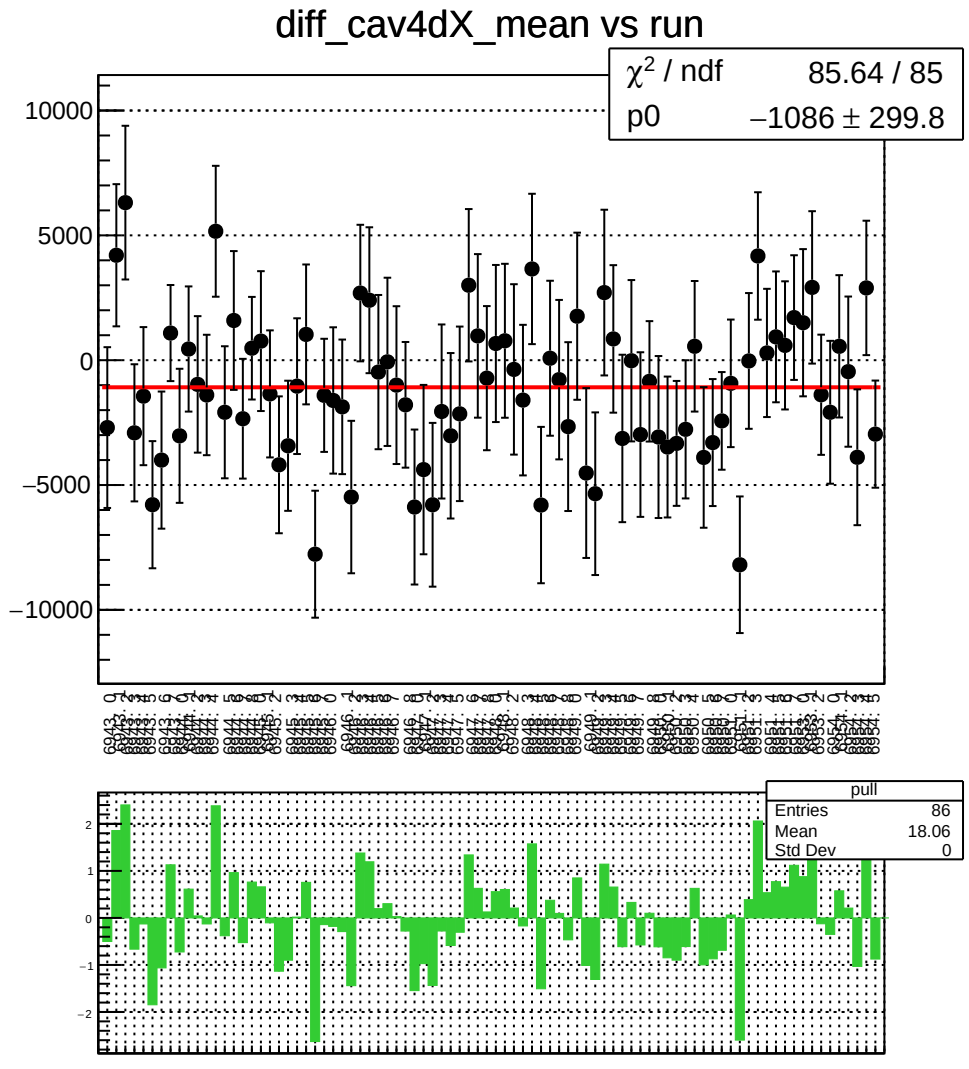

pull1D
Entries 86
Mean −0.003937
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

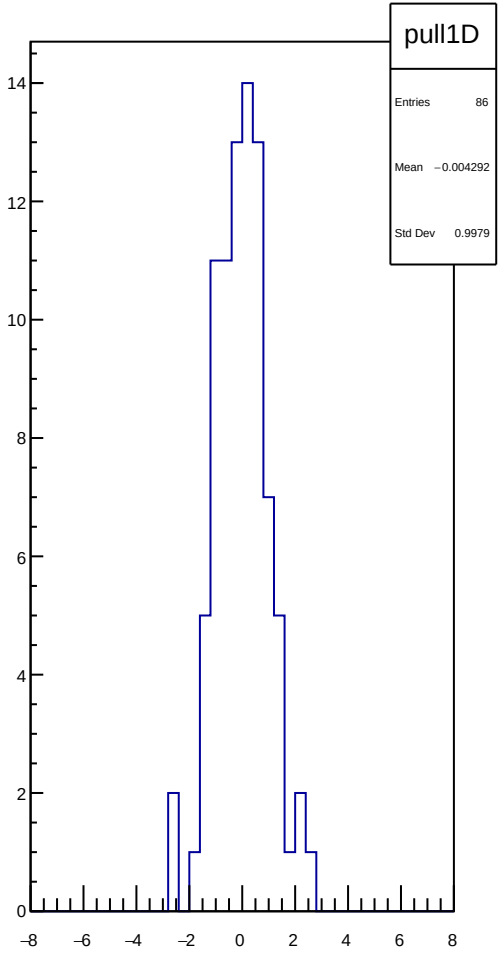

diff_cav4cX_rms vs run
×10^3
χ² / ndf 1.635e+04 / 85
p0 3.253e+05 ± 254.1
400
380
360
340
320
300
280
260

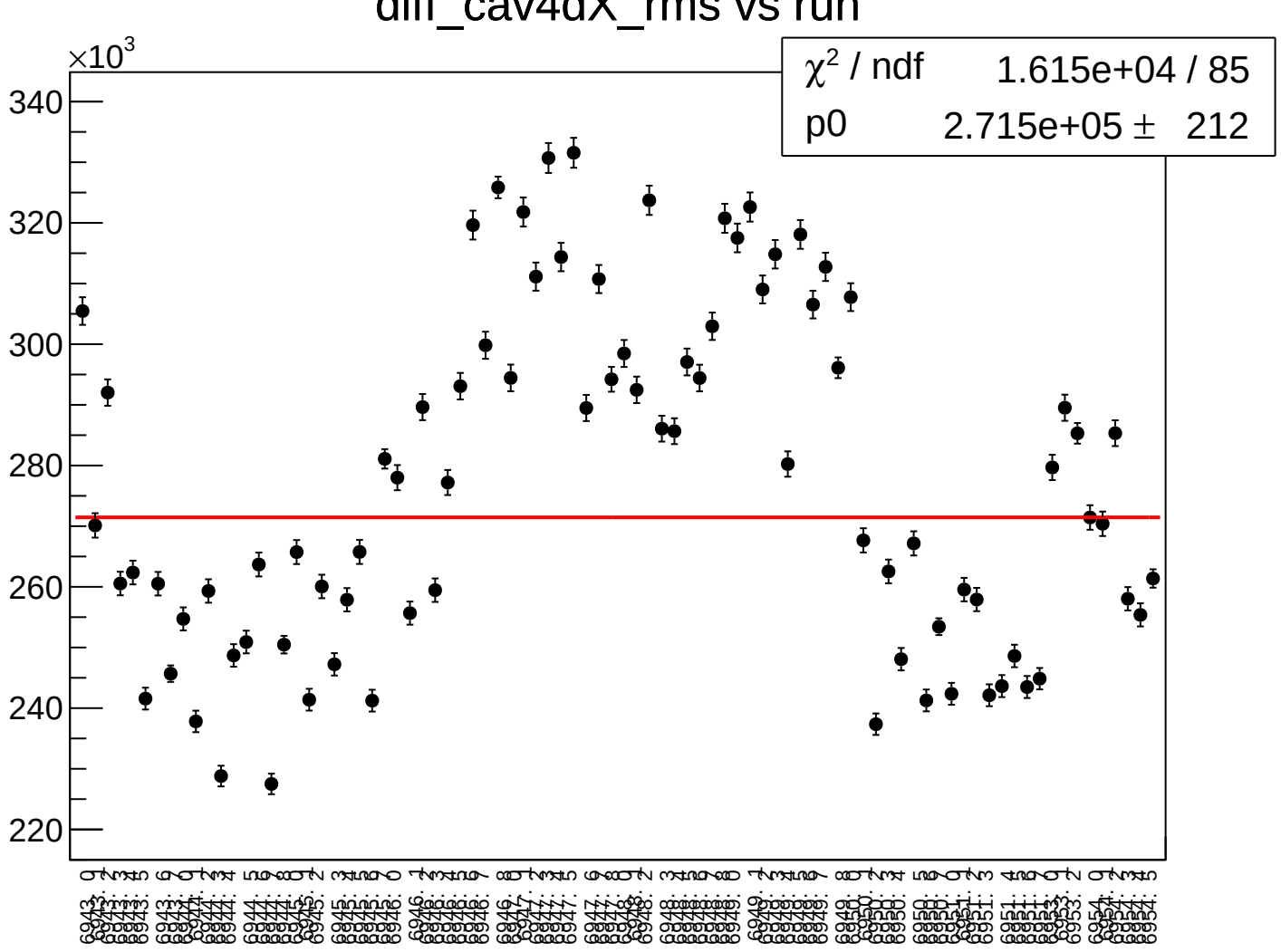

diff_cav4cY_mean vs run
χ² / ndf 86.04 / 85
p0 −5.179 ± 193.7
pull
Entries 86
Mean −106.8
Std Dev 0

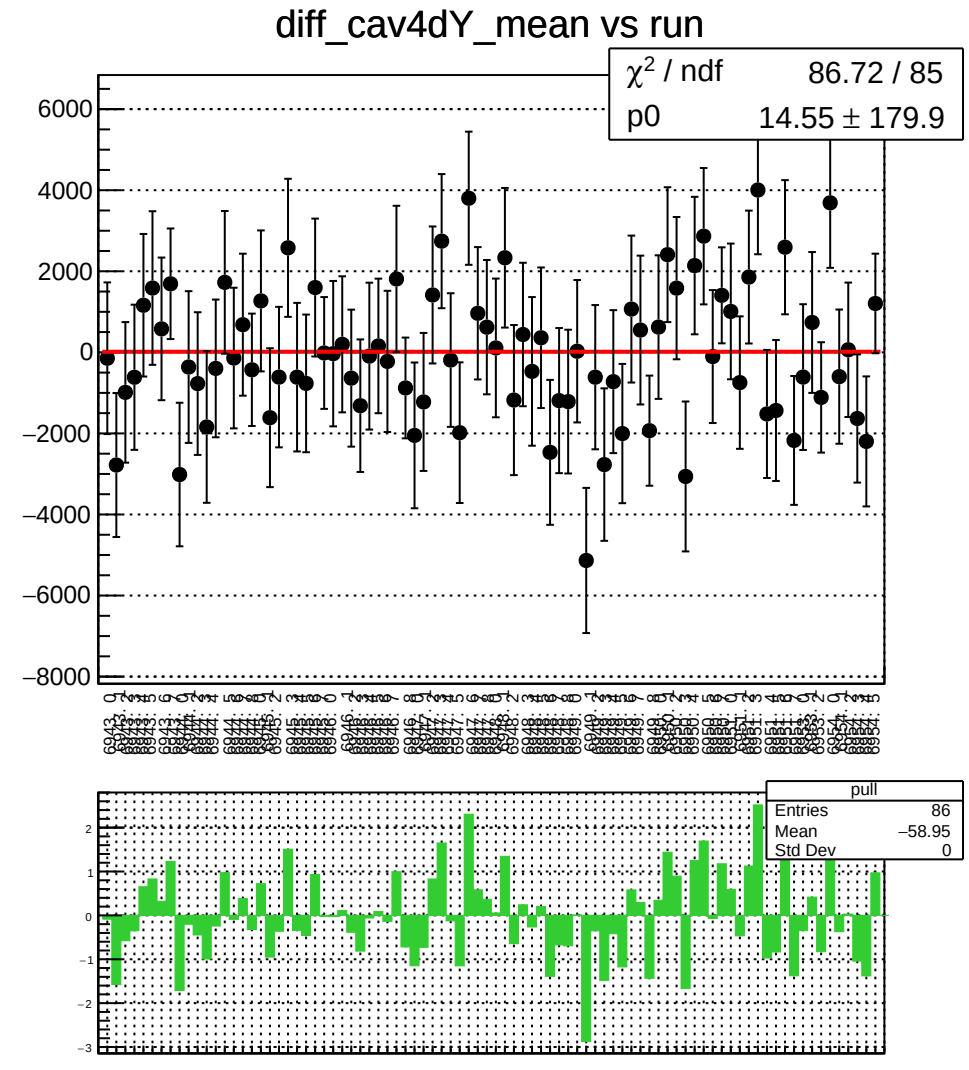

pull1D
Entries 86
Mean −0.01125
Std Dev 1

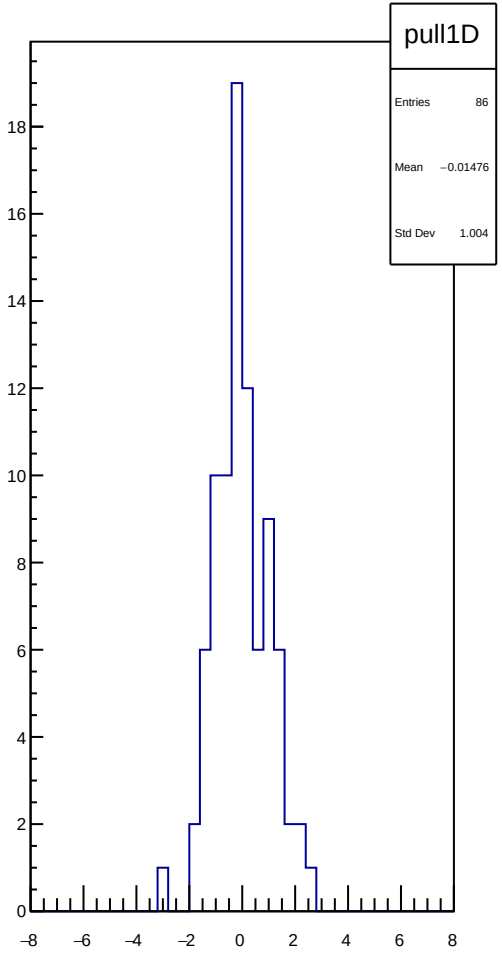

diff_cav4cY_rms vs run
×10^3
χ² / ndf 2916 / 85
p0 1.761e+05 ± 137
195
190
185
180
175
170
165
160

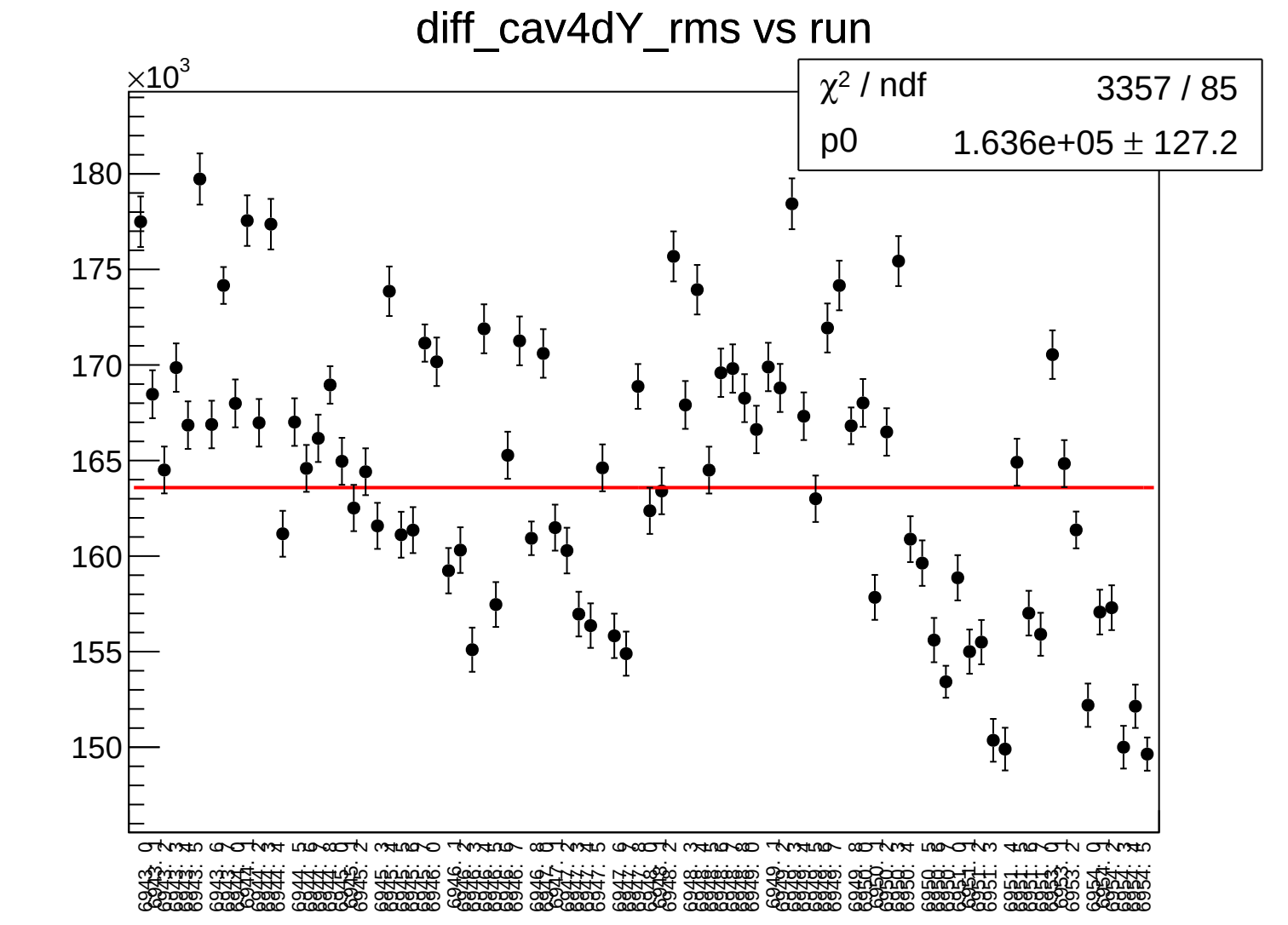

diff_cav4dX_mean vs run
χ^2 / ndf 85.64 / 85
p0 −1086 ± 299.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 18.06
Std Dev 0
2
1
0
−1
−2

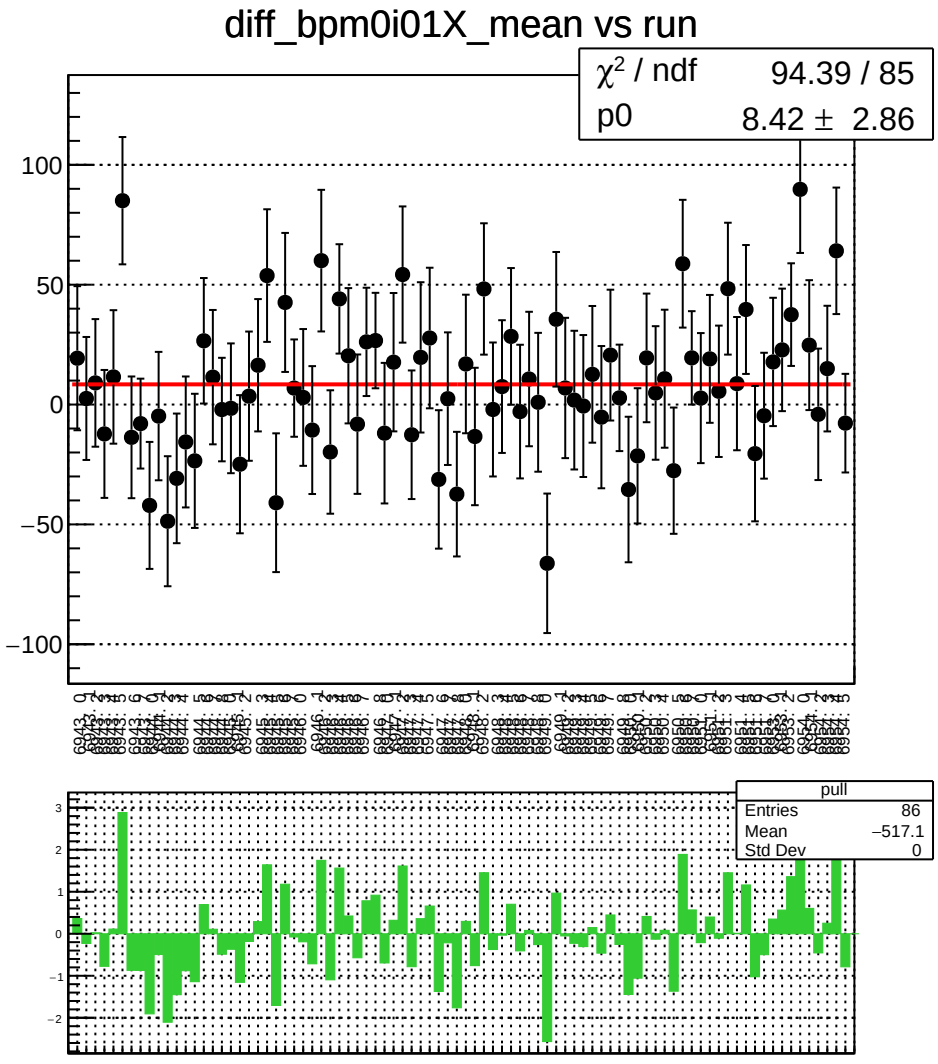

pull1D
Entries 86
Mean −0.004292
Std Dev 0.9979
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

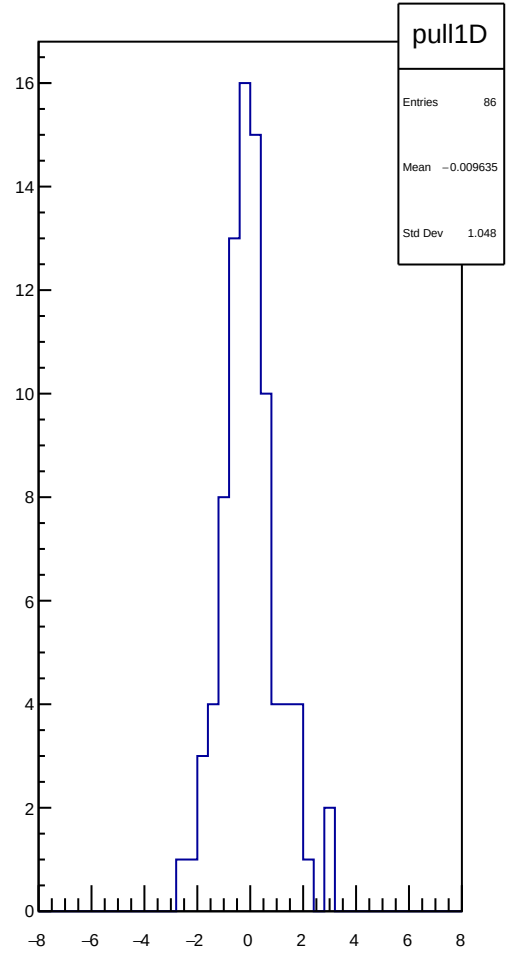

diff_cav4dX_rms vs run
×10^3
340
320
300
280
260
240
220
χ² / ndf 1.615e+04 / 85
p0 2.715e+05 ± 212

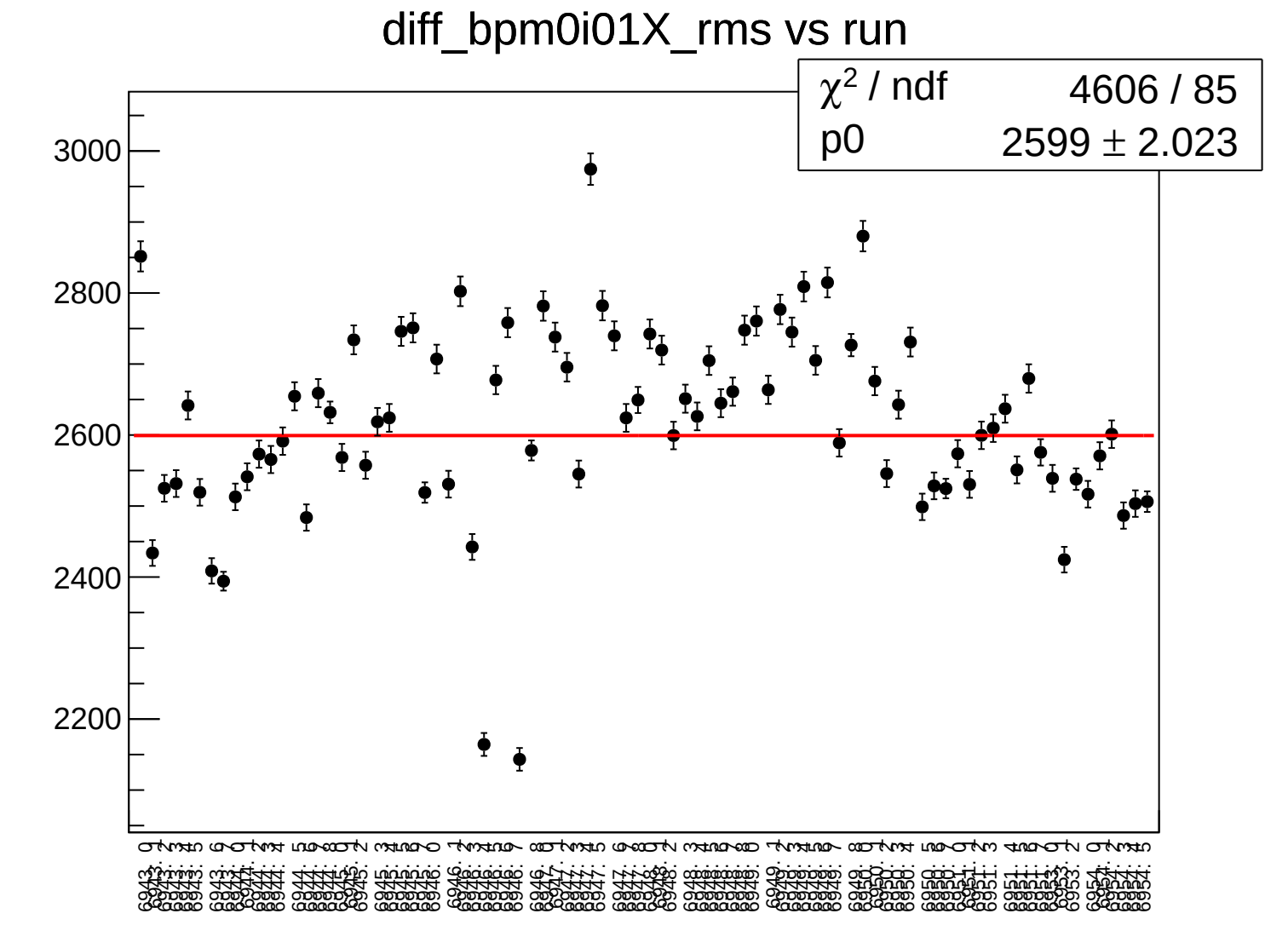

diff_cav4dY_mean vs run
χ^2 / ndf 86.72 / 85
p0 14.55 ± 179.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean −58.95
Std Dev 0
2
1
0
−1
−2
−3

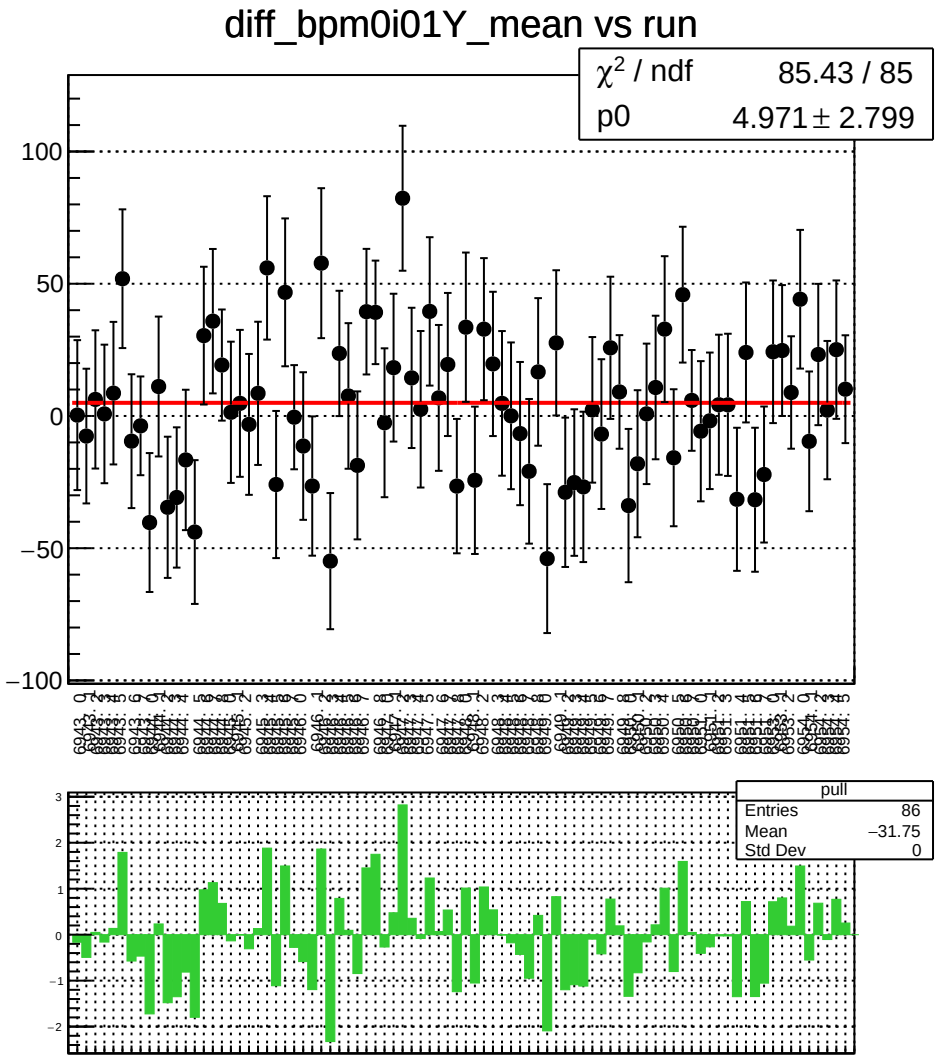

pull1D
Entries 86
Mean −0.01476
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

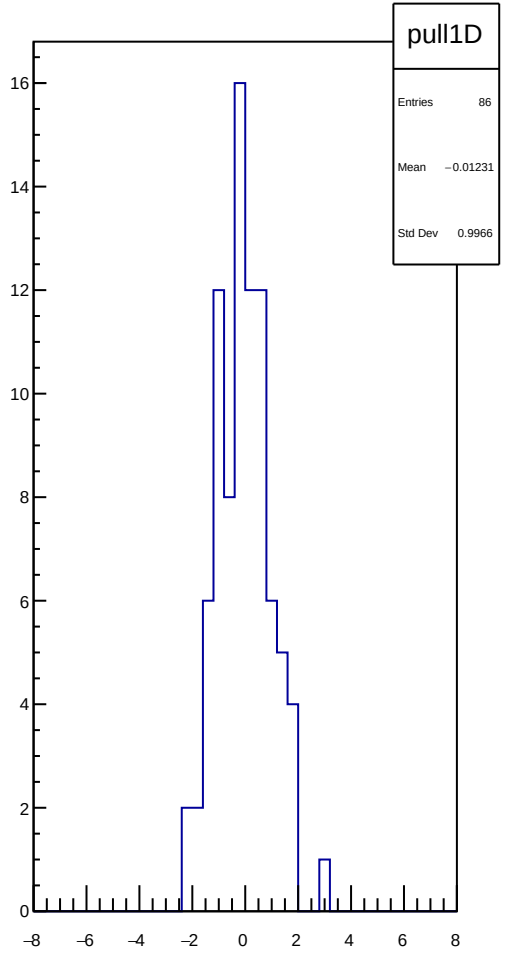

diff_cav4dY_rms vs run
×10^3
χ² / ndf 3357 / 85
p0 1.636e+05 ± 127.2
180
175
170
165
160
155
150

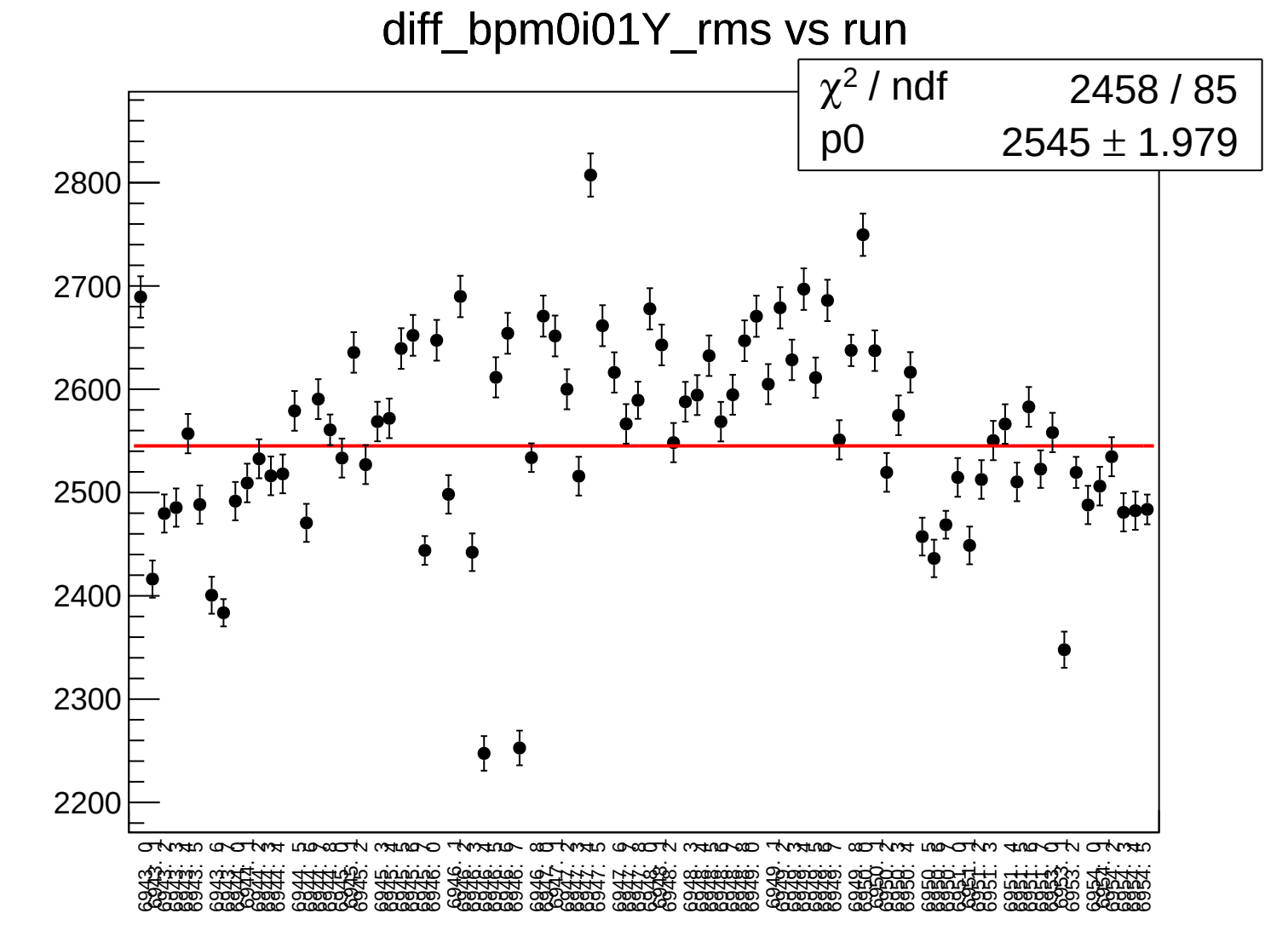

diff_bpm0i01X_mean vs run
χ² / ndf 94.39 / 85
p0 8.42 ± 2.86
100
50
0
−50
−100
pull
Entries 86
Mean −517.1
Std Dev 0
3
2
1
0
−1
−2

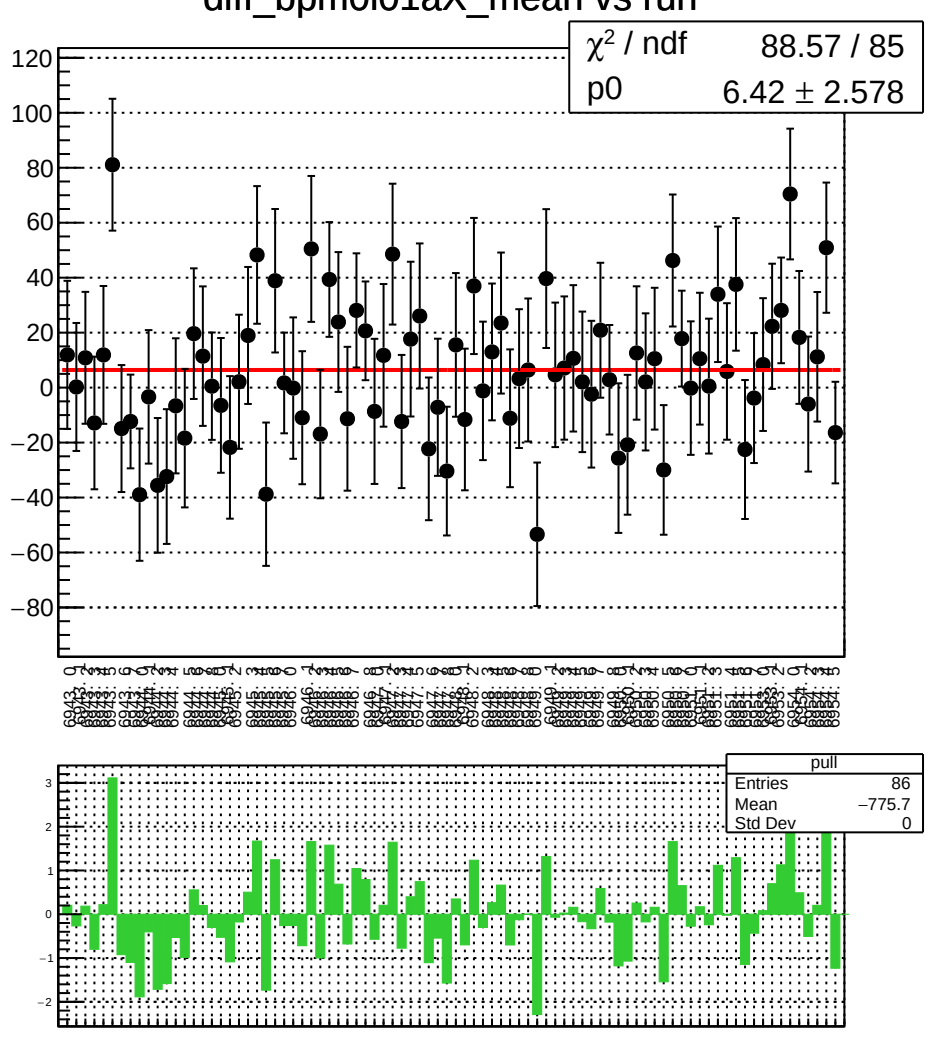

pull1D
Entries 86
Mean −0.009635
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

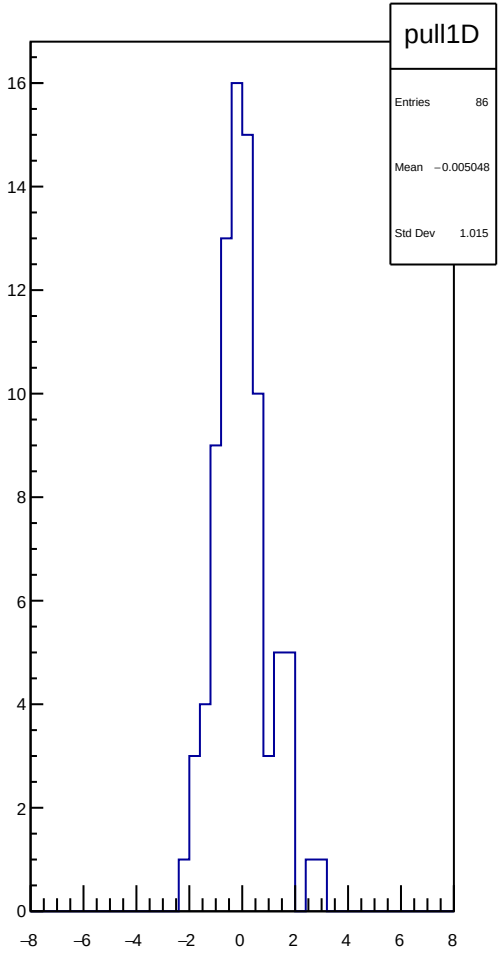

diff_bpm0i01X_rms vs run
χ² / ndf 4606 / 85
p0 2599 ± 2.023
3000
2800
2600
2400
2200

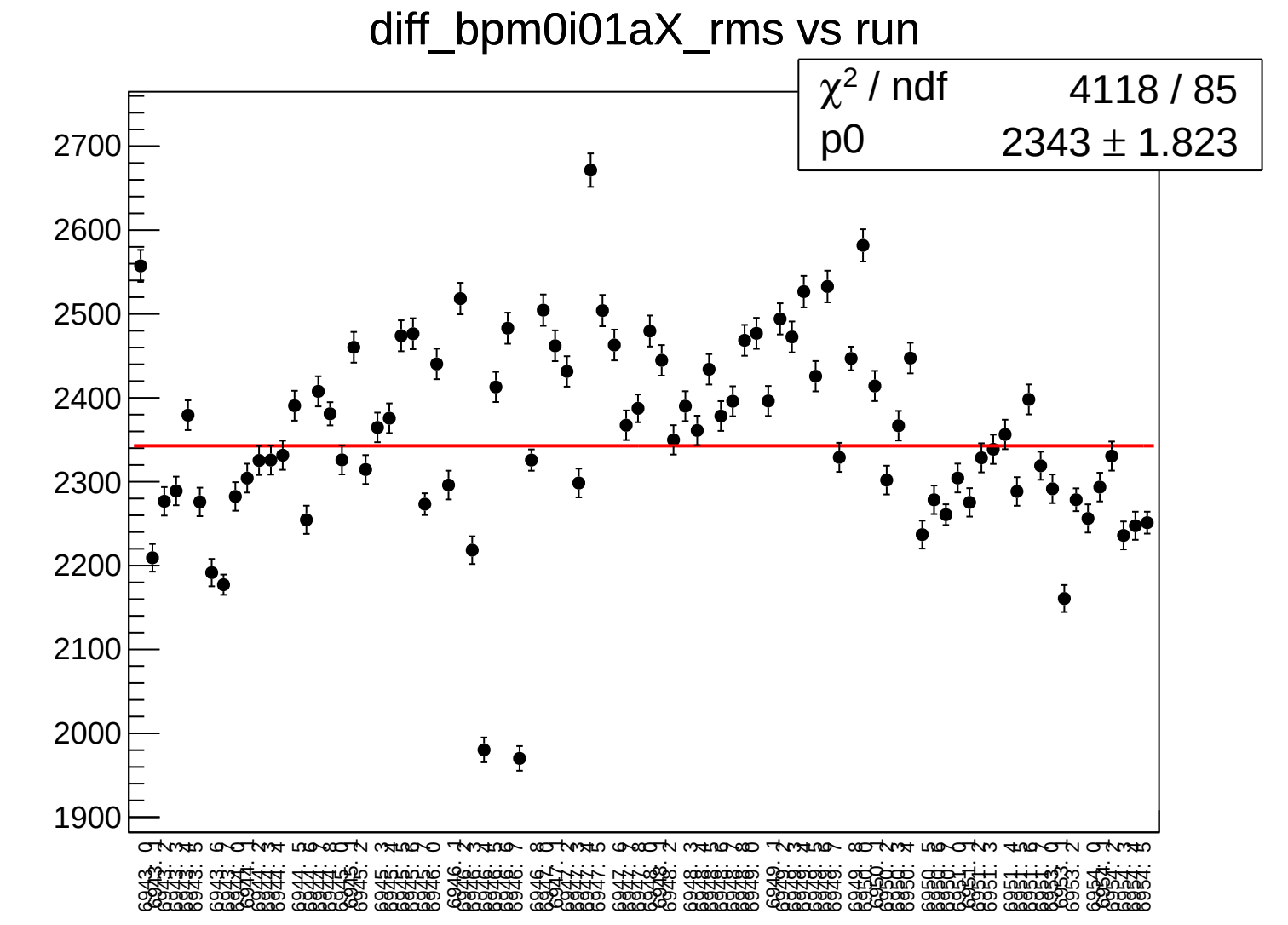

diff_bpm0i01Y_mean vs run
χ² / ndf 85.43 / 85
p0 4.971 ± 2.799
100
50
0
−50
−100
pull
Entries 86
Mean −31.75
Std Dev 0
3
2
1
0
−1
−2

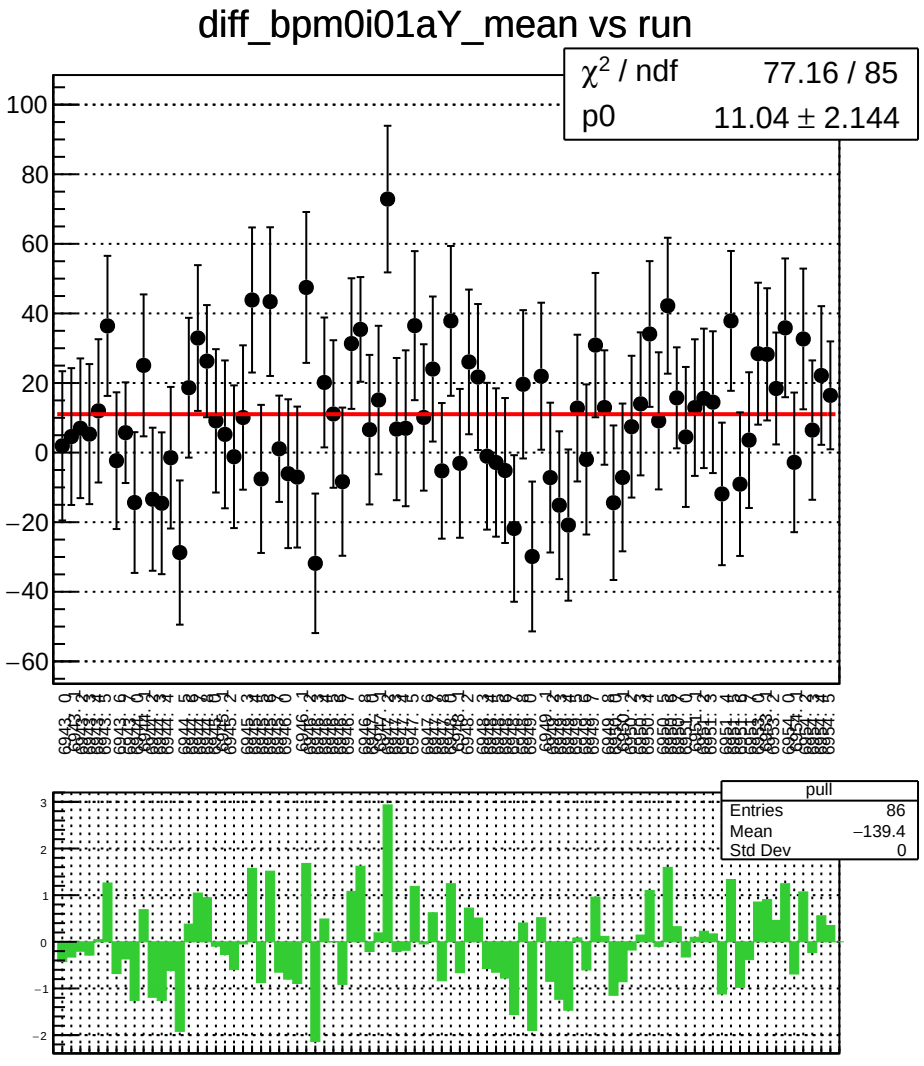

pull1D
Entries 86
Mean −0.01231
Std Dev 0.9966
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

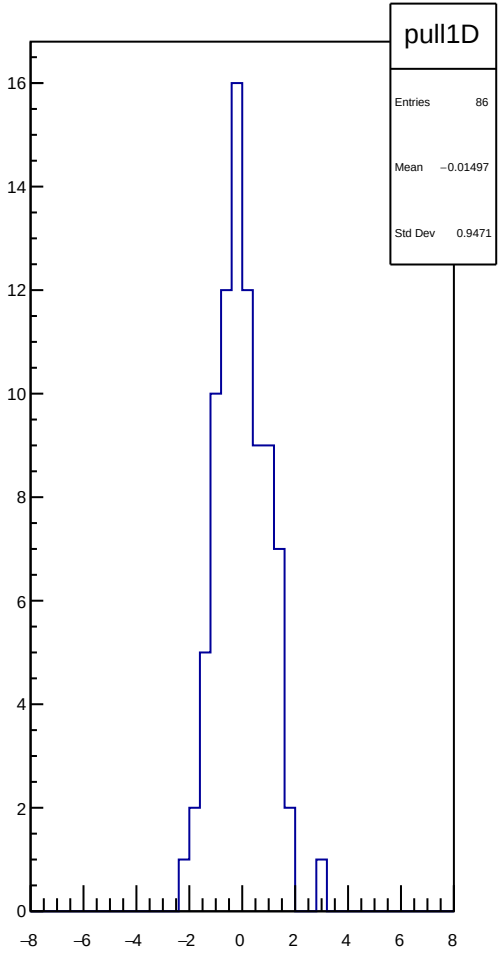

diff_bpm0i01Y_rms vs run
χ² / ndf 2458 / 85
p0 2545 ± 1.979
2800
2700
2600
2500
2400
2300
2200

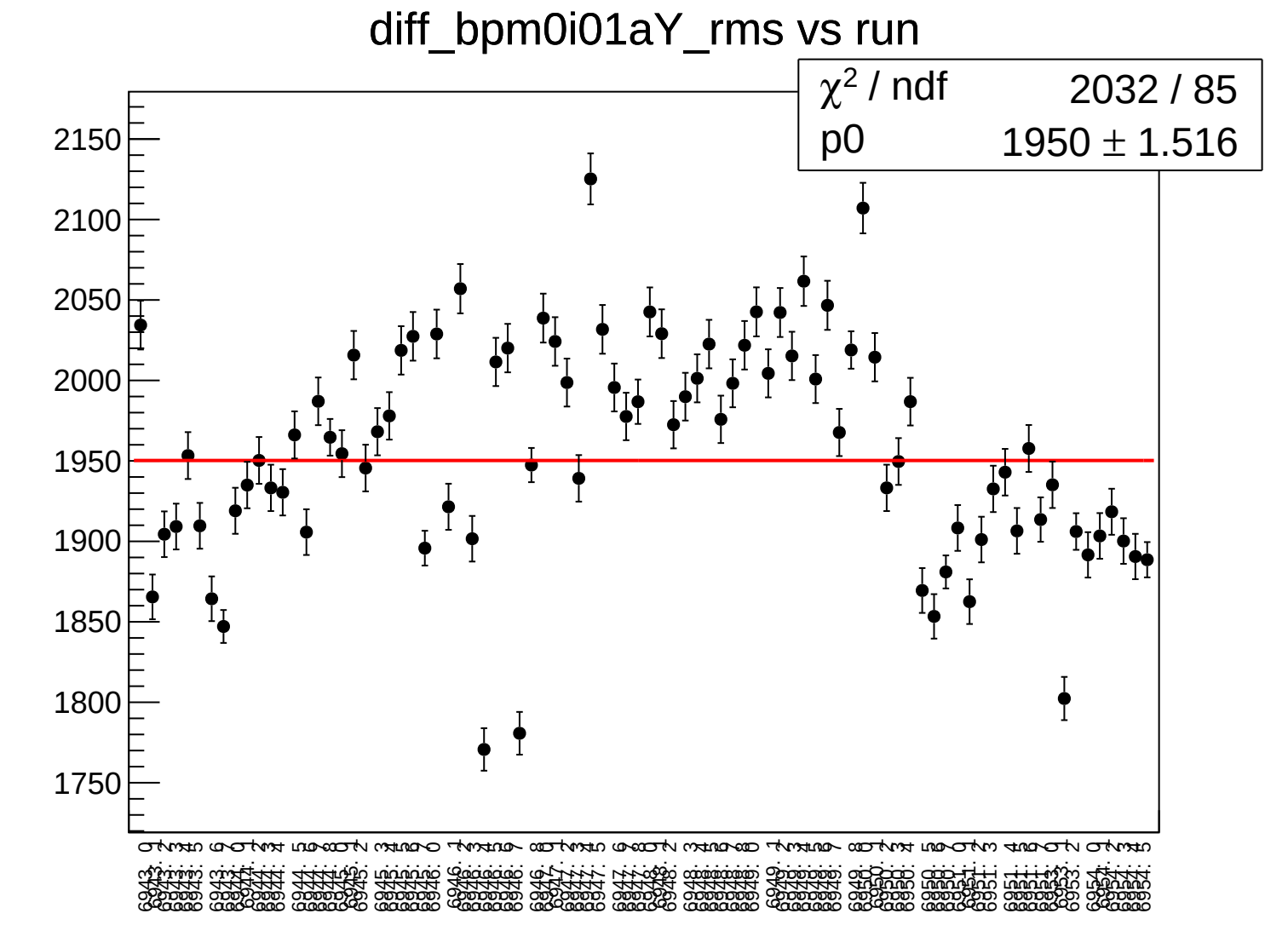

diff_bpm0i01aX_mean vs run
χ² / ndf 88.57 / 85
p0 6.42 ± 2.578
pull
Entries 86
Mean −775.7
Std Dev 0

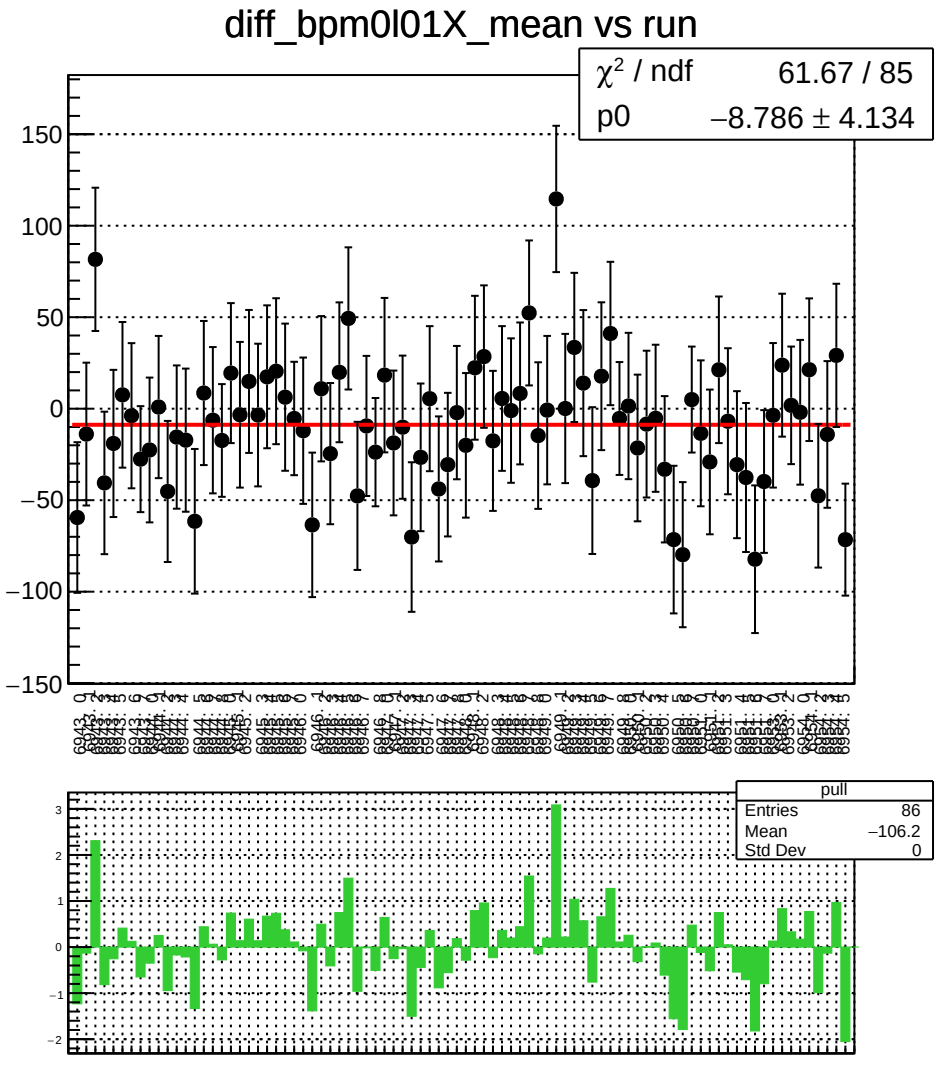

pull1D
Entries 86
Mean −0.005048
Std Dev 1.015

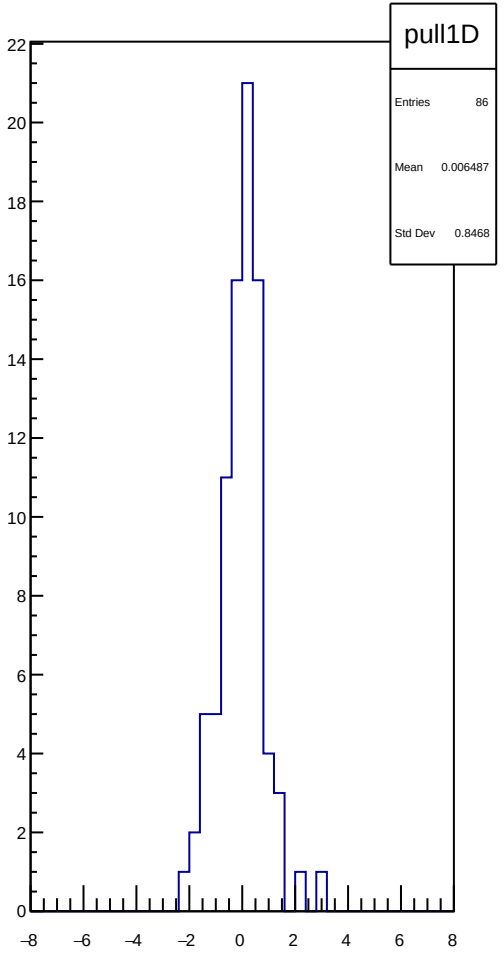

diff_bpm0i01aX_rms vs run
χ² / ndf 4118 / 85
p0 2343 ± 1.823
2700
2600
2500
2400
2300
2200
2100
2000
1900

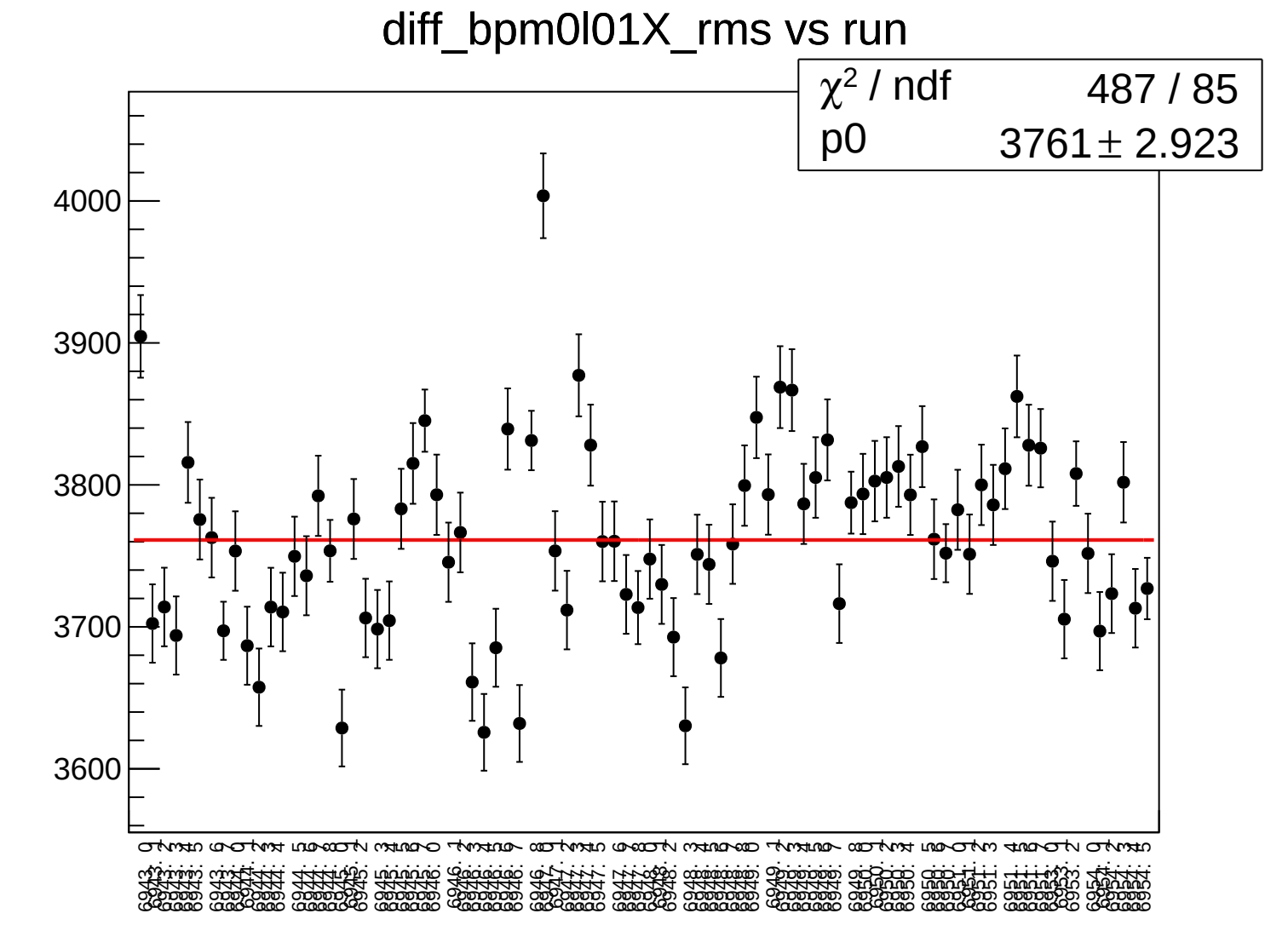

diff_bpm0i01aY_mean vs run
χ² / ndf 77.16 / 85
p0 11.04 ± 2.144
pull
Entries 86
Mean −139.4
Std Dev 0

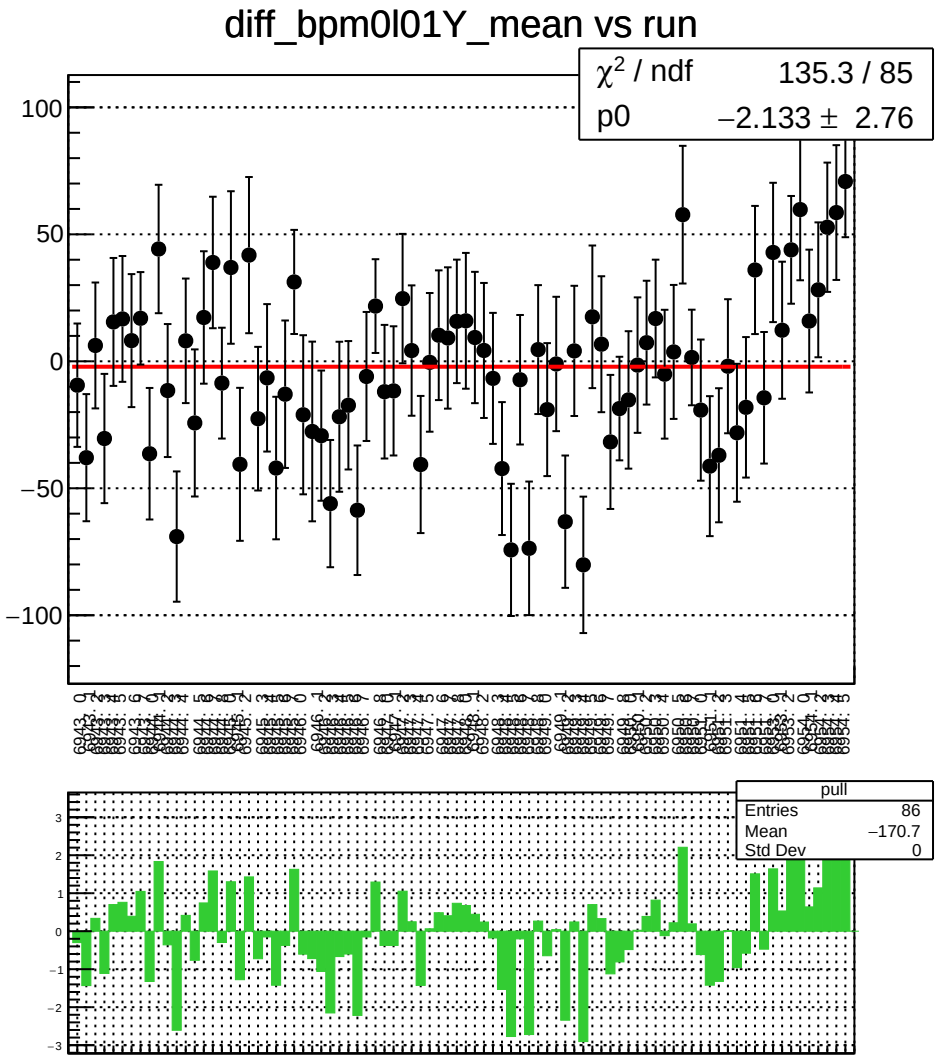

pull1D
Entries 86
Mean −0.01497
Std Dev 0.9471

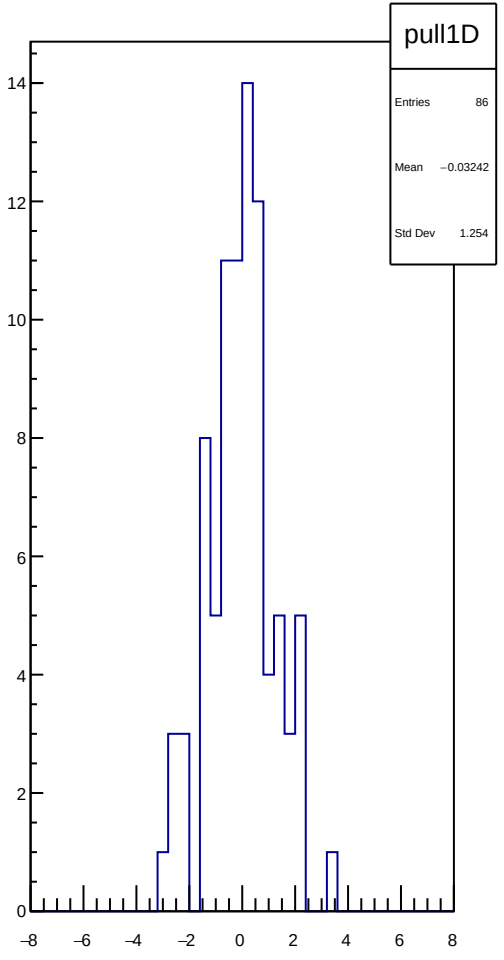

diff_bpm0i01aY_rms vs run
χ² / ndf 2032 / 85
p0 1950 ± 1.516
2150
2100
2050
2000
1950
1900
1850
1800
1750

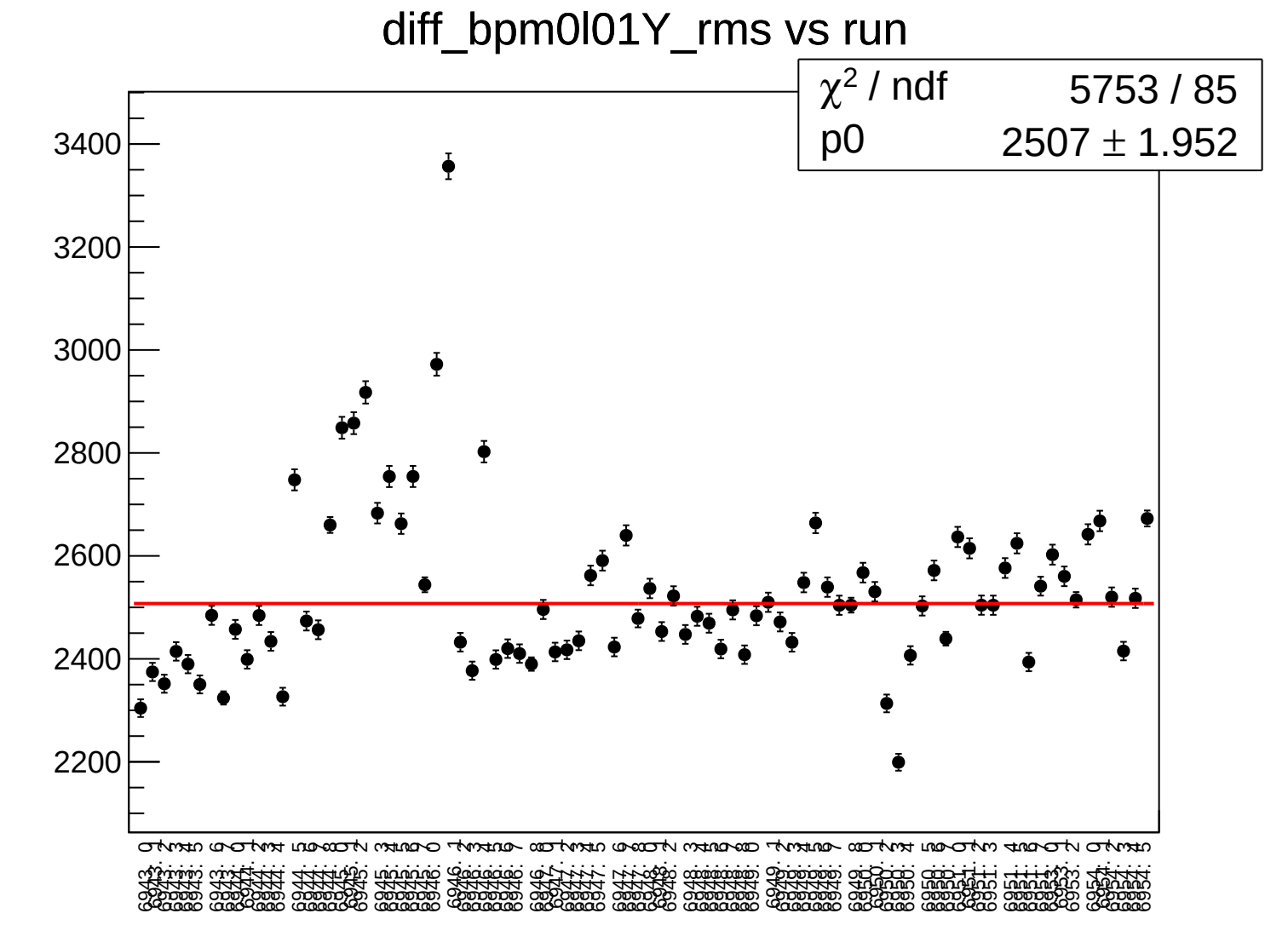

diff_bpm0l01X_mean vs run
χ^2 / ndf 61.67 / 85
p0 −8.786 ± 4.134
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −106.2
Std Dev 0
3
2
1
0
−1
−2

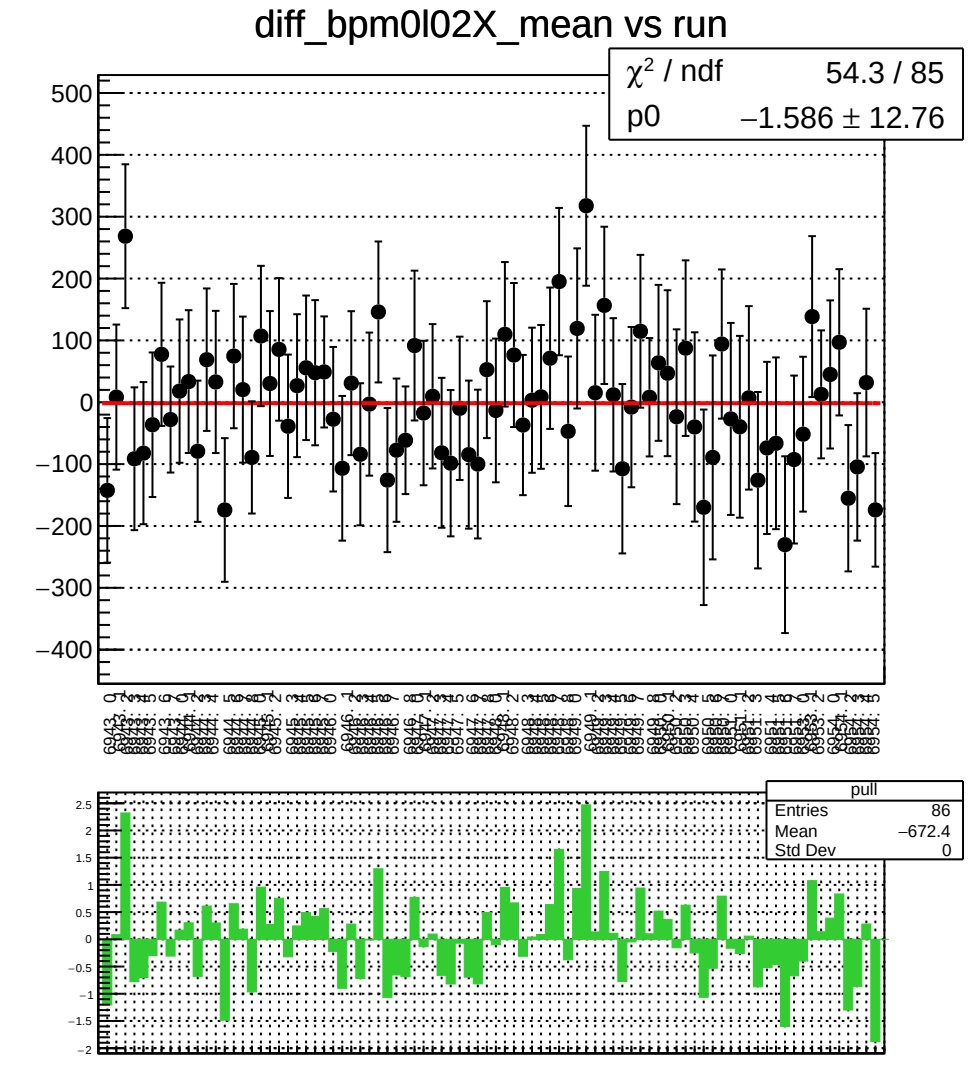

pull1D
Entries 86
Mean 0.006487
Std Dev 0.8468
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

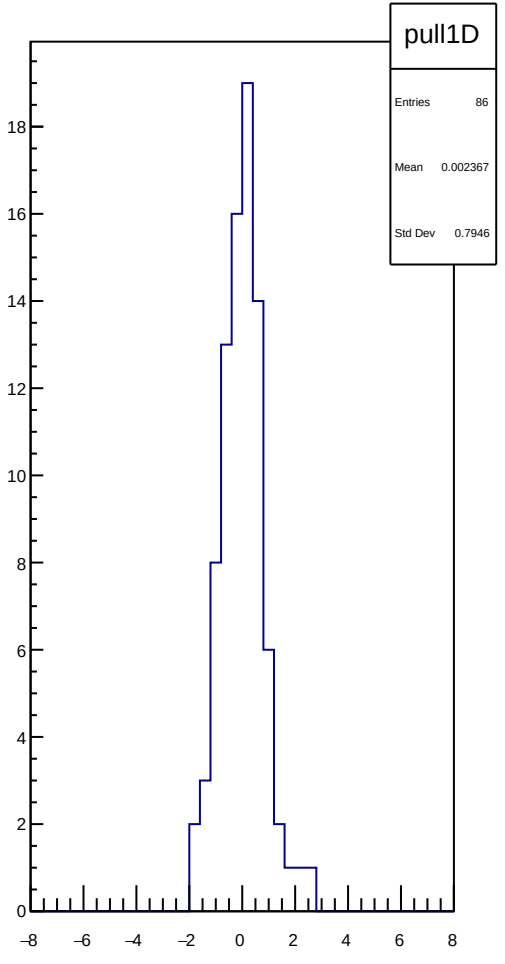

diff_bpm0l01X_rms vs run
χ² / ndf 487 / 85
p0 3761 ± 2.923
4000
3900
3800
3700
3600


diff_bpm0l01Y_mean vs run
χ² / ndf 135.3 / 85
p0 −2.133 ± 2.76
100
50
0
−50
−100
pull
Entries 86
Mean −170.7
Std Dev 0
3
2
1
0
−1
−2
−3

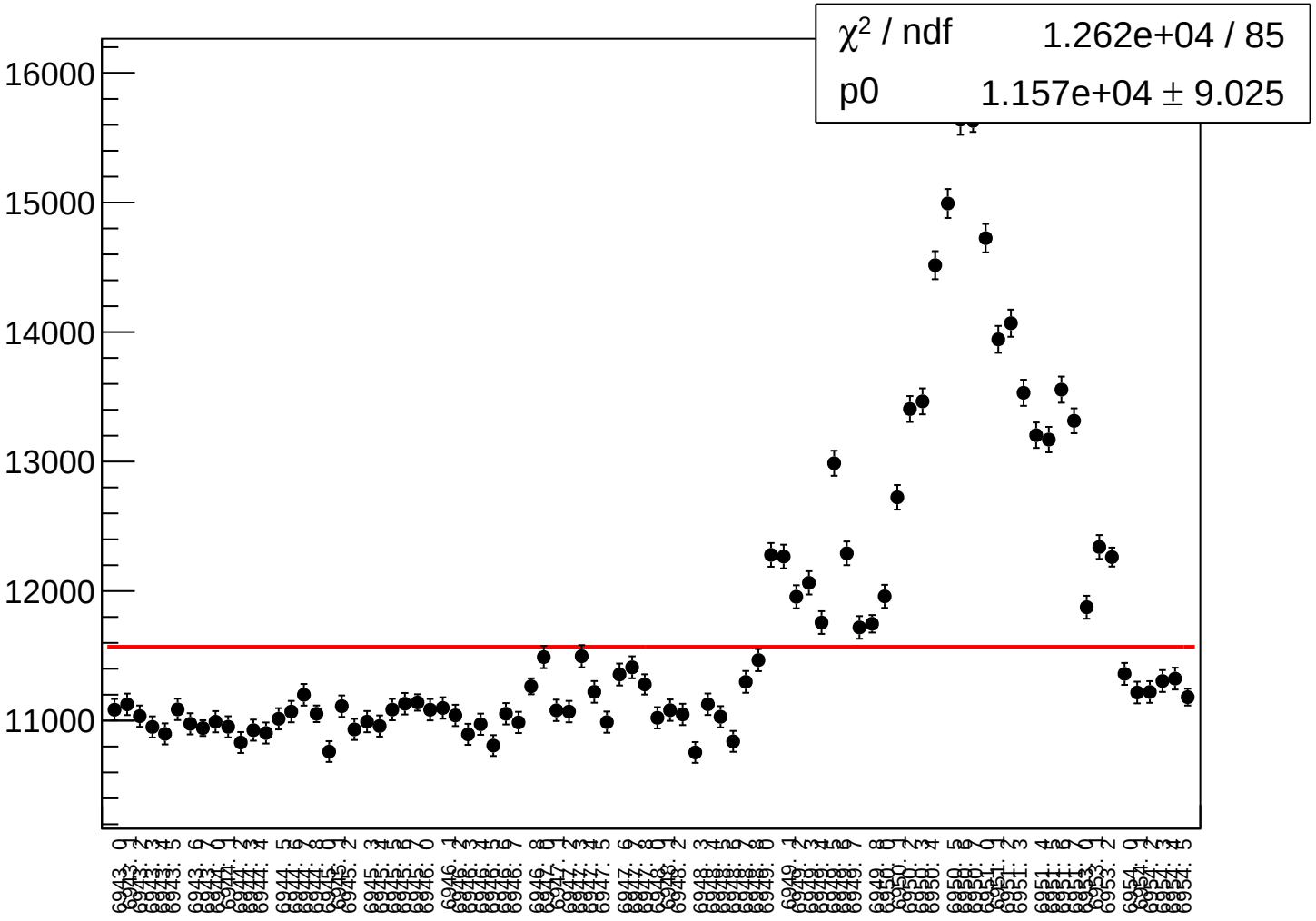

pull1D
Entries 86
Mean −0.03242
Std Dev 1.254
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

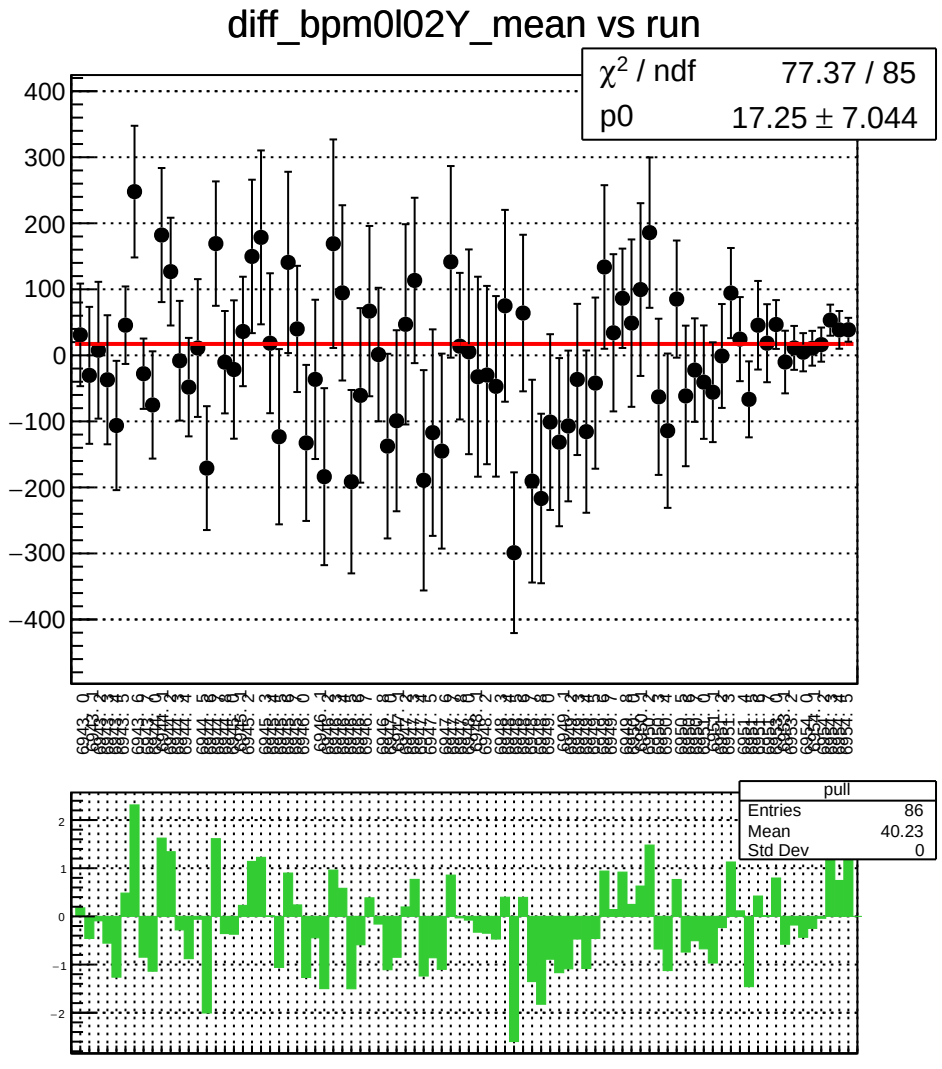

diff_bpm0l01Y_rms vs run
χ² / ndf 5753 / 85
p0 2507 ± 1.952
3400
3200
3000
2800
2600
2400
2200

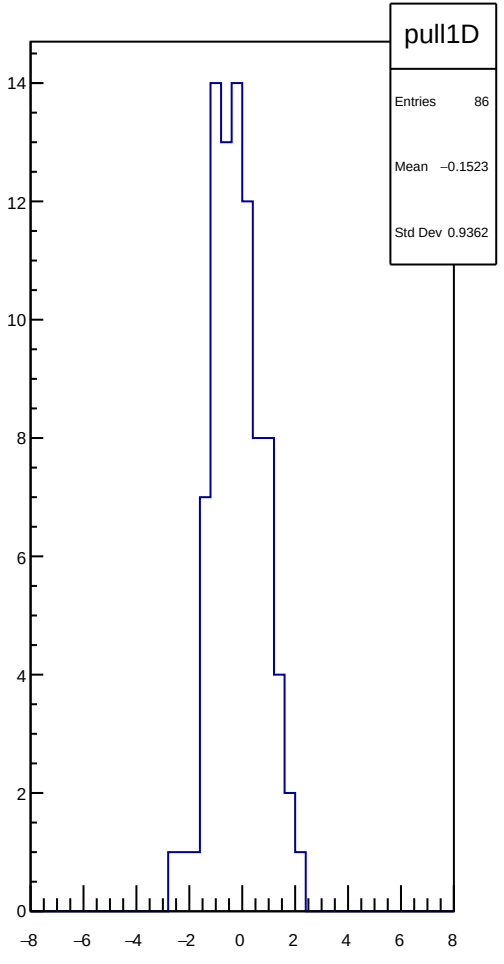

diff_bpm0l02X_mean vs run
χ² / ndf 54.3 / 85
p0 −1.586 ± 12.76
pull
Entries 86
Mean −672.4
Std Dev 0

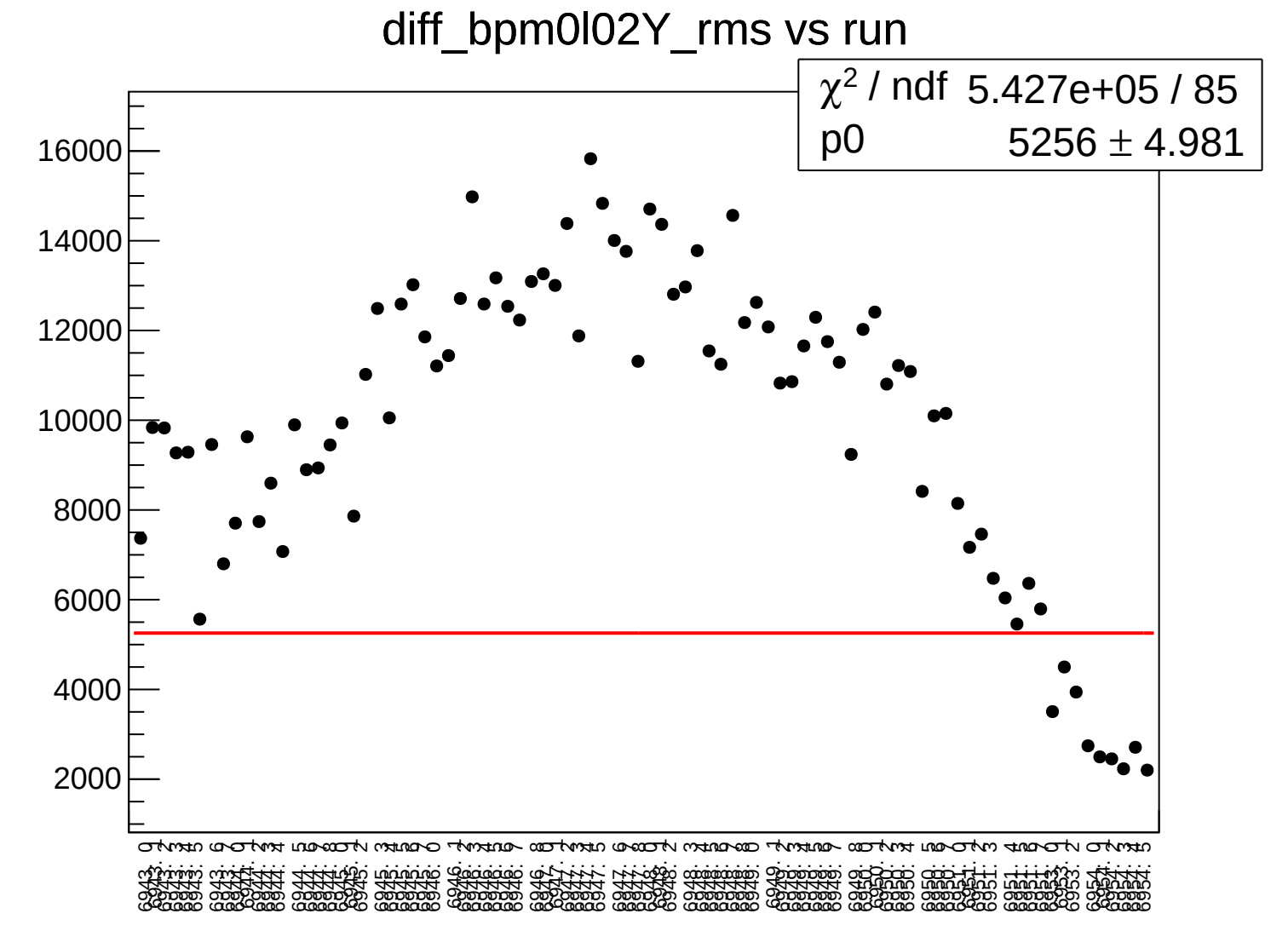

pull1D
Entries 86
Mean 0.002367
Std Dev 0.7946

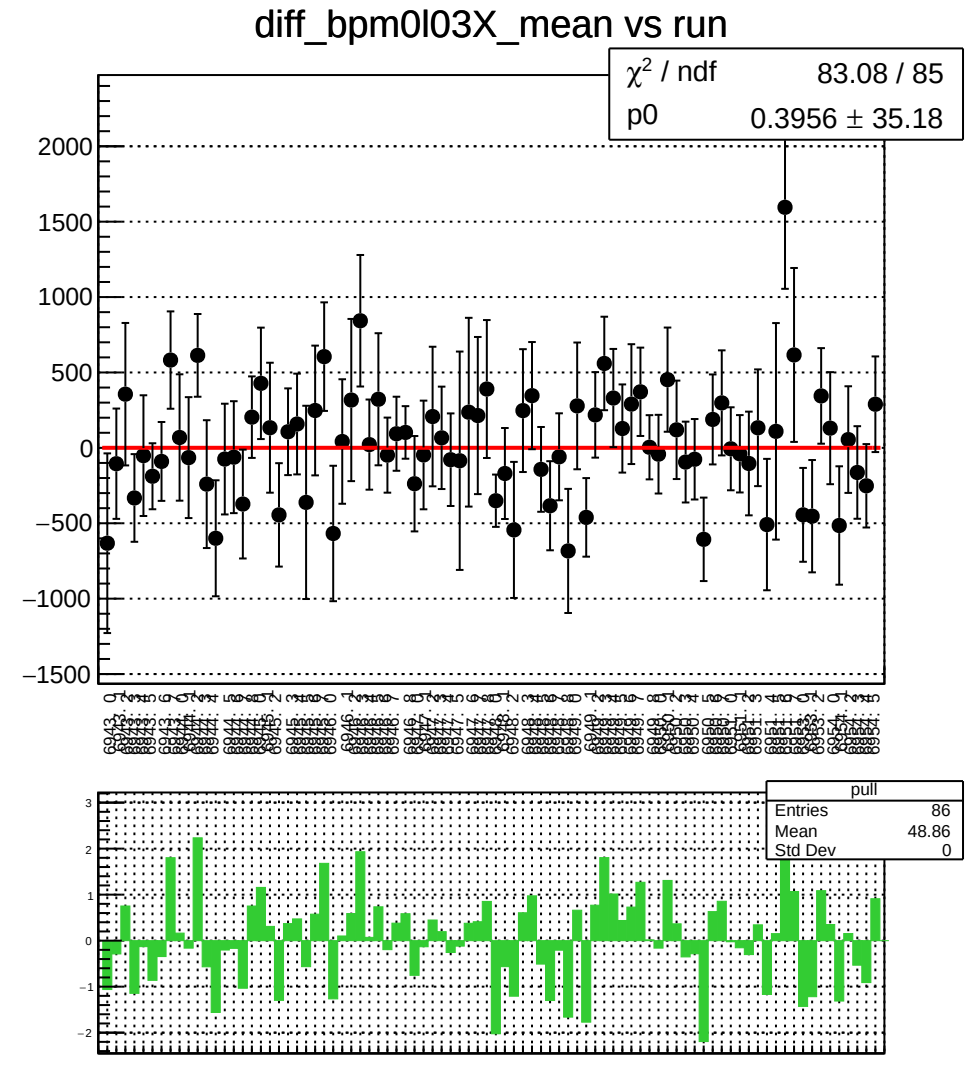
diff_bpm0l02X_rms vs run

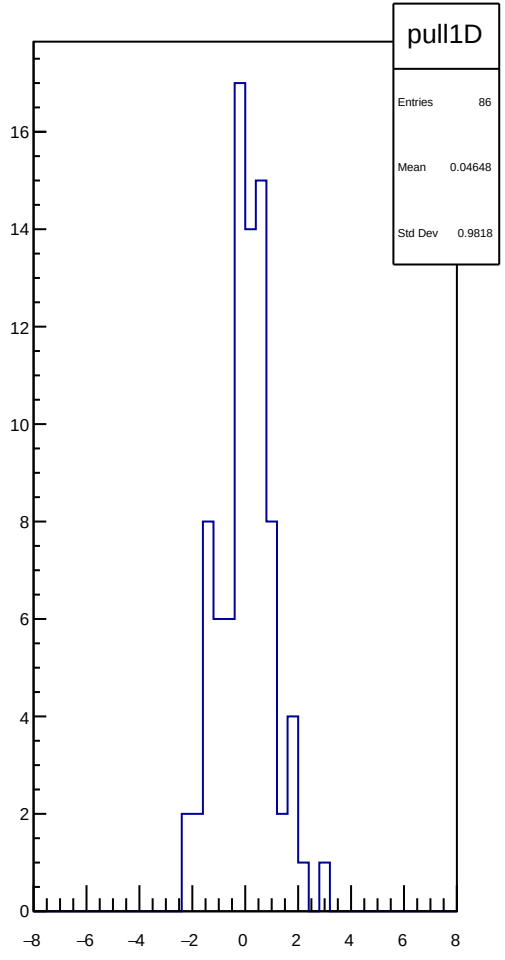


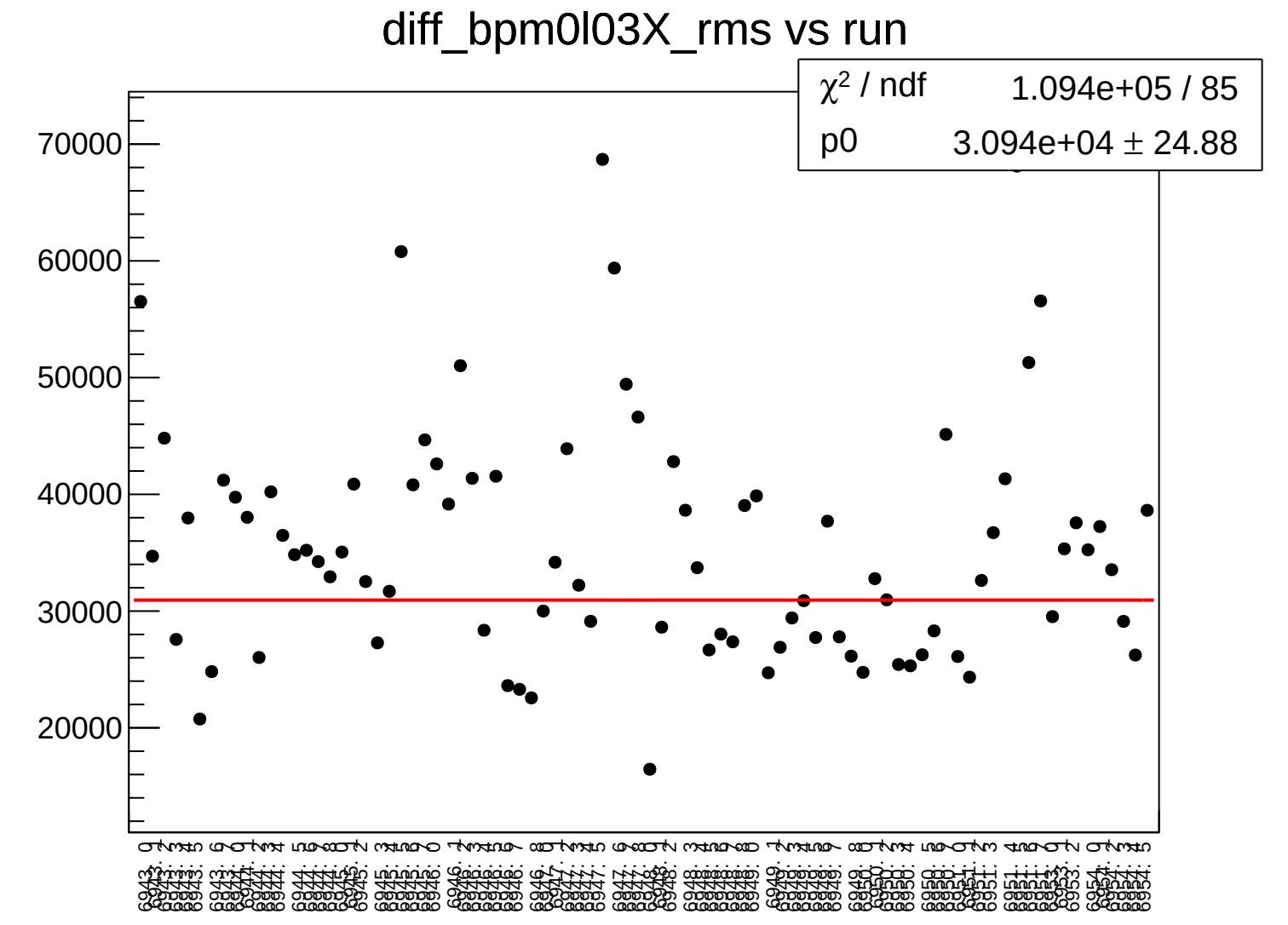

diff_bpm0l02Y_mean vs run
χ² / ndf 77.37 / 85
p0 17.25 ± 7.044
pull
Entries 86
Mean 40.23
Std Dev 0

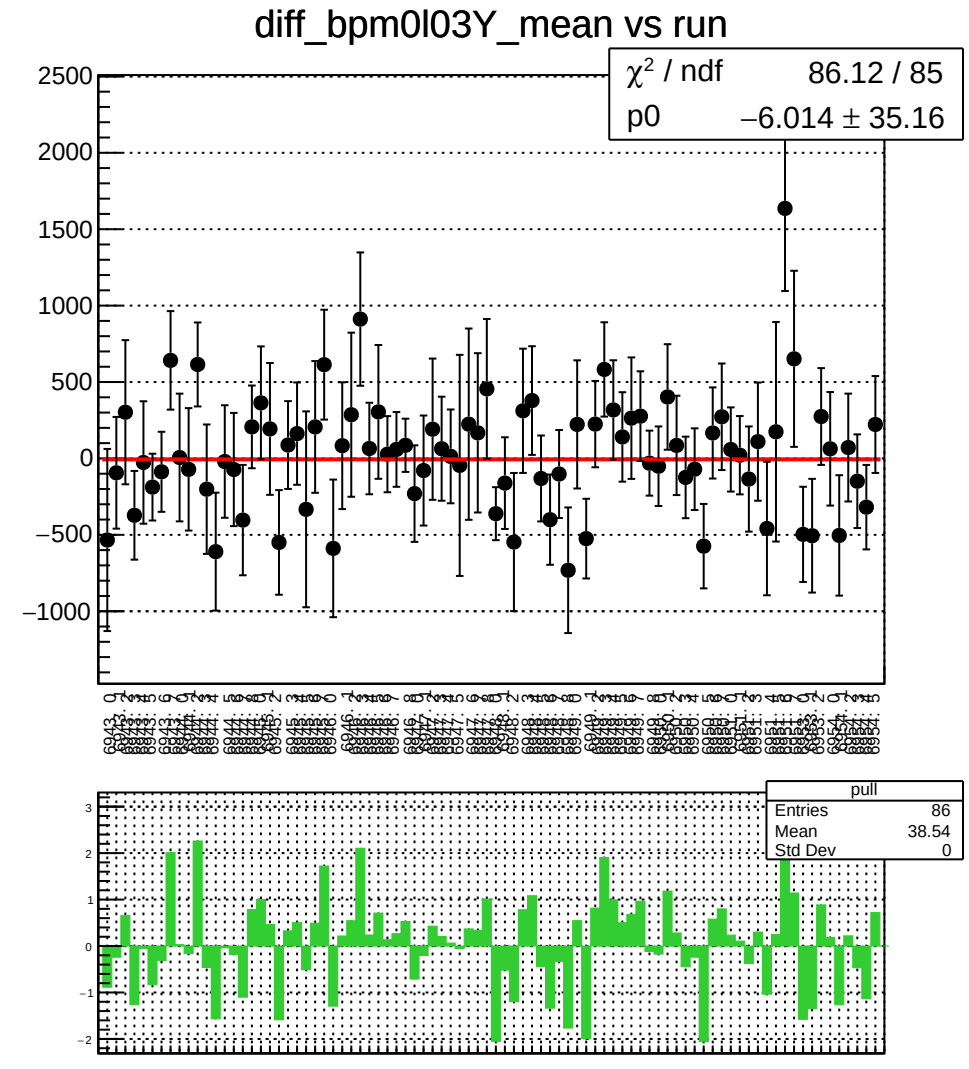

pull1D
Entries 86
Mean −0.1523
Std Dev 0.9362

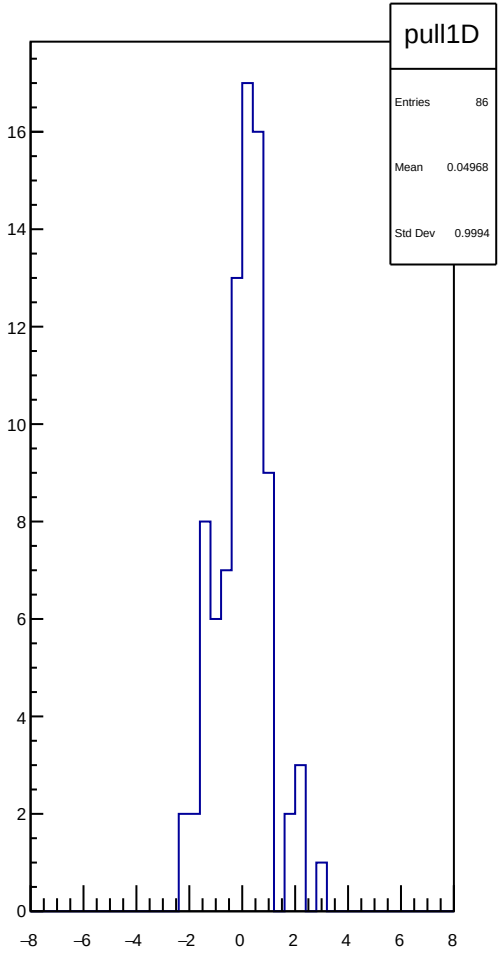

diff_bpm0l02Y_rms vs run
χ² / ndf 5.427e+05 / 85
p0 5256 ± 4.981
16000
14000
12000
10000
8000
6000
4000
2000

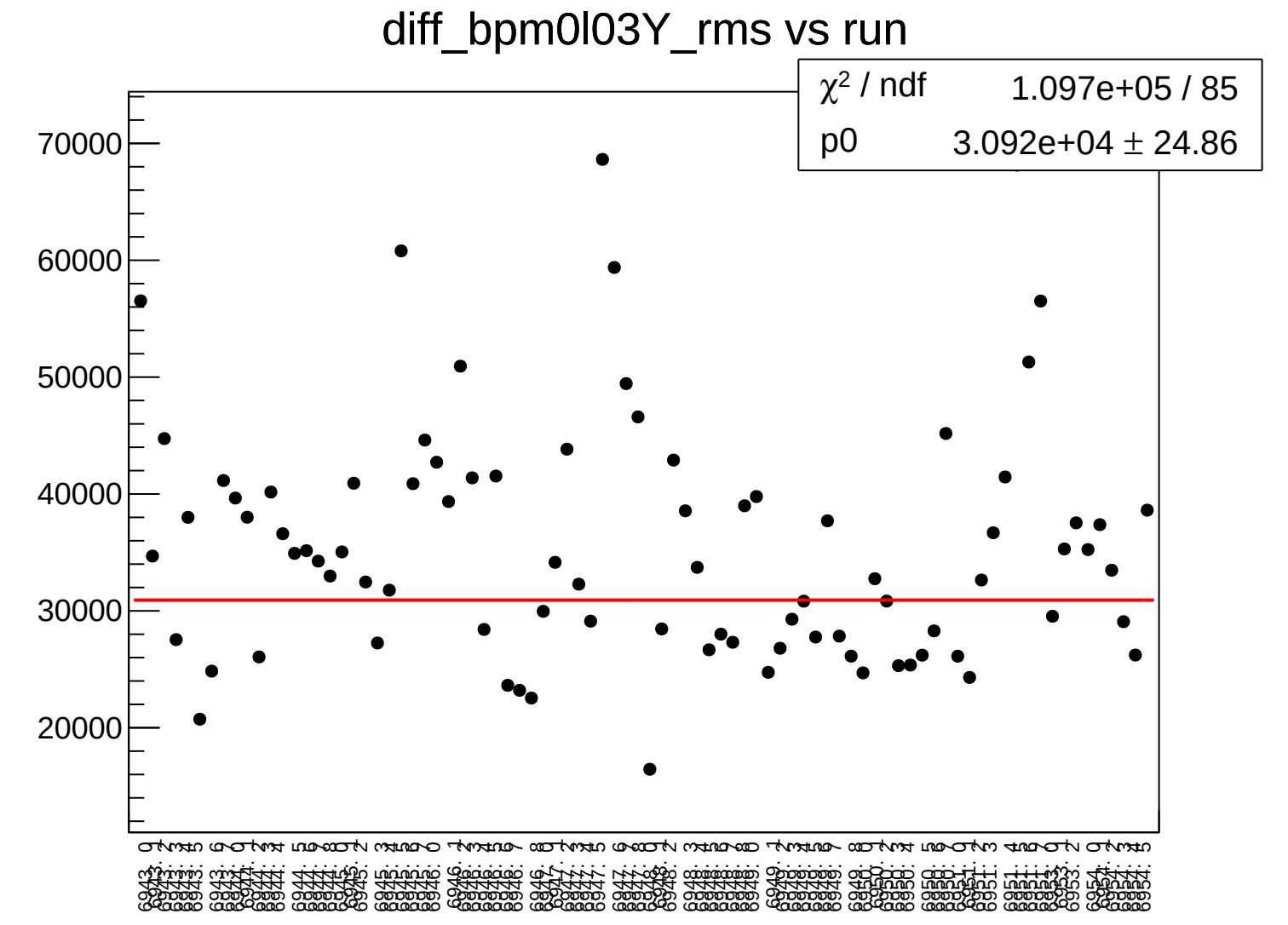

diff_bpm0l03X_mean vs run
χ² / ndf 83.08 / 85
p0 0.3956 ± 35.18
pull
Entries 86
Mean 48.86
Std Dev 0

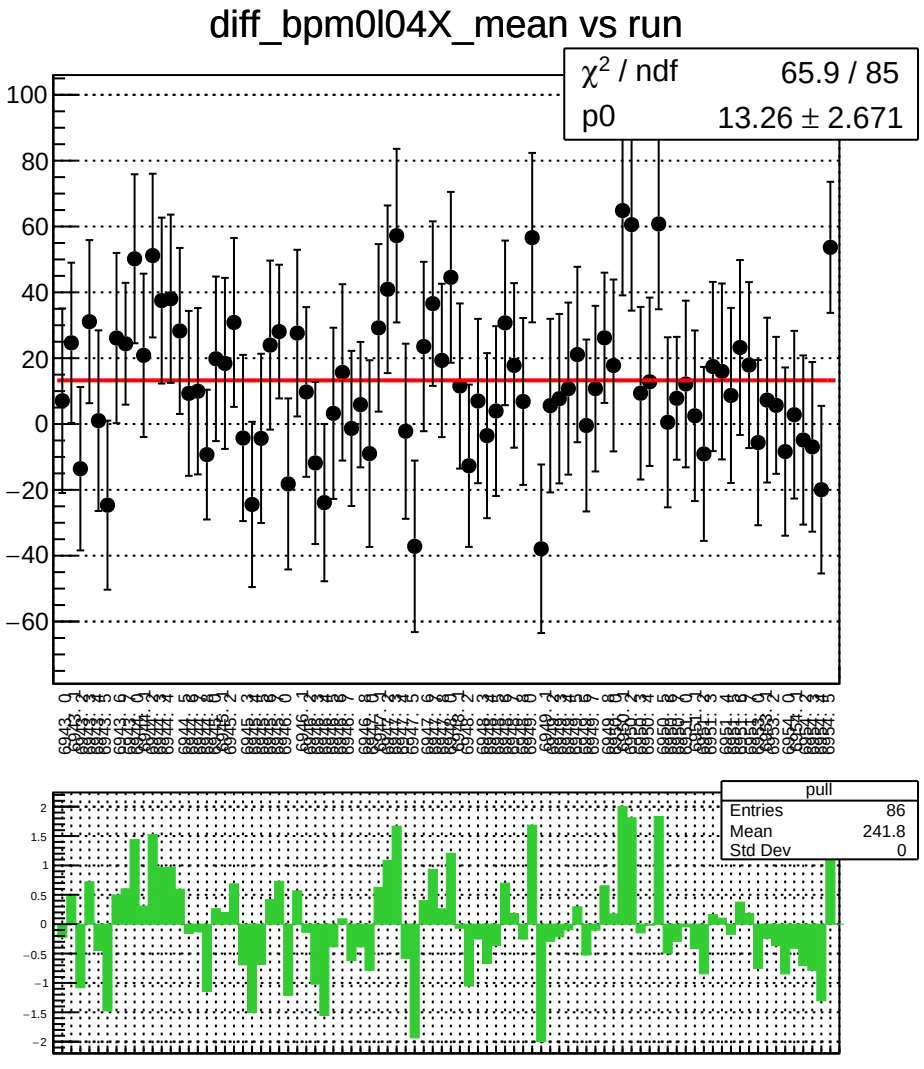

pull1D
Entries 86
Mean 0.04648
Std Dev 0.9818

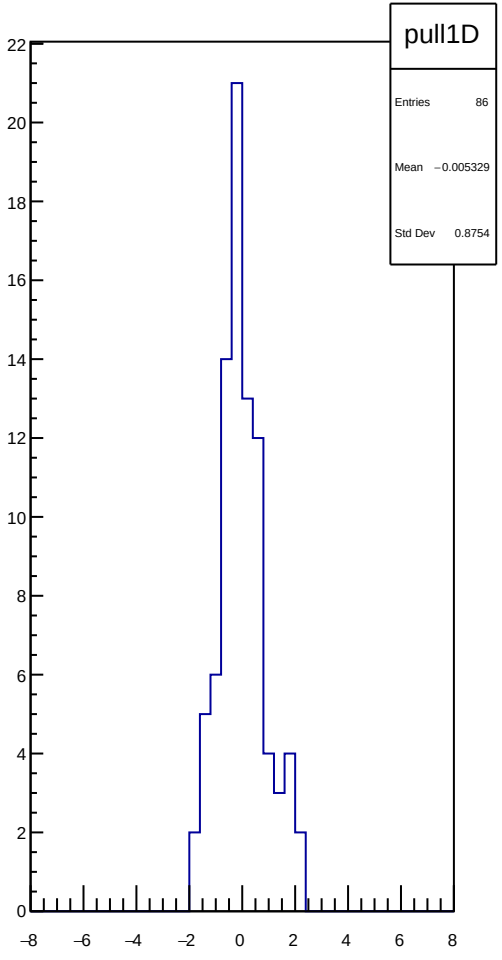

diff_bpm0l03X_rms vs run
χ² / ndf 1.094e+05 / 85
p0 3.094e+04 ± 24.88
70000
60000
50000
40000
30000
20000

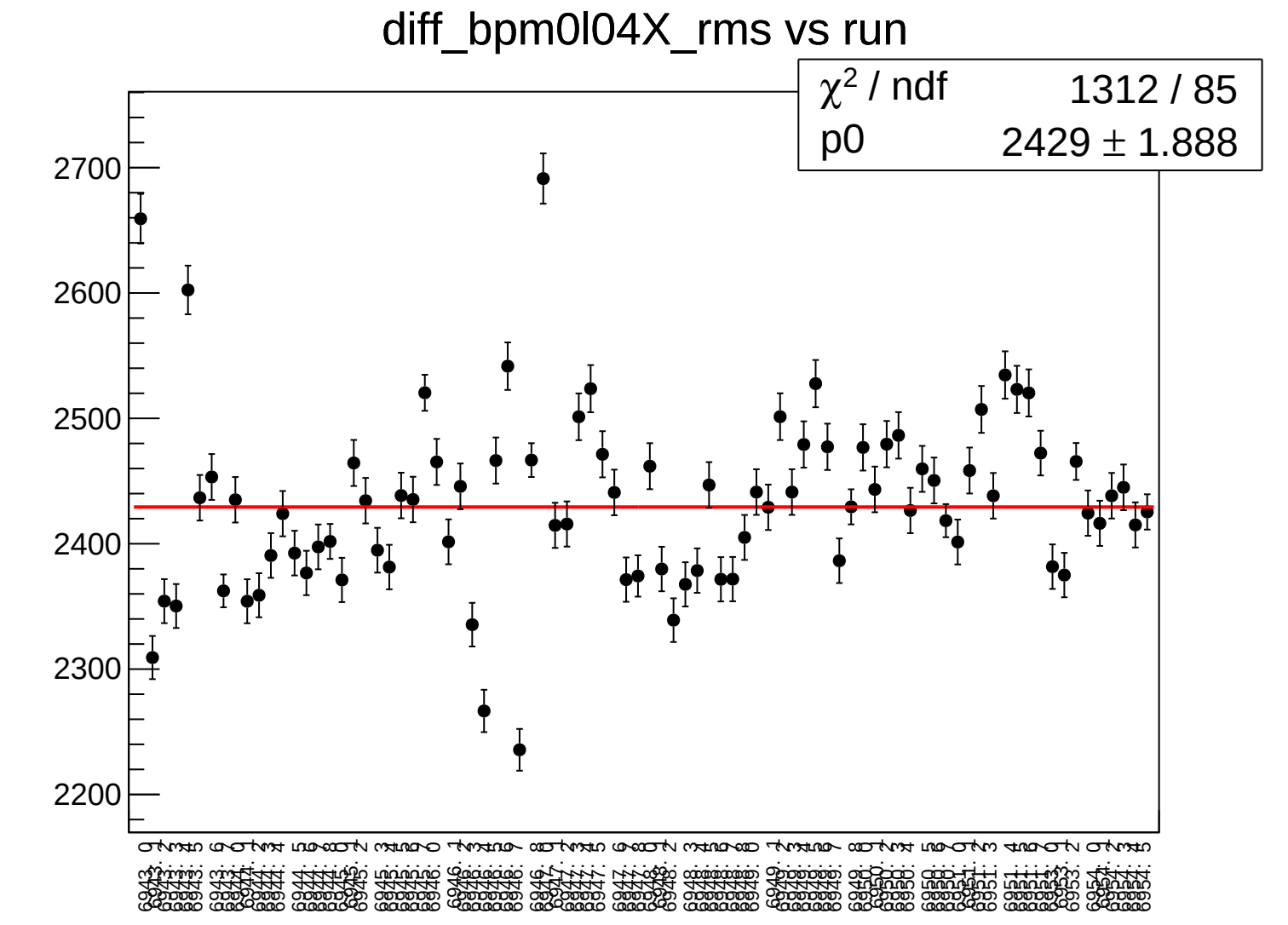

diff_bpm0l03Y_mean vs run
χ² / ndf 86.12 / 85
p0 −6.014 ± 35.16
pull
Entries 86
Mean 38.54
Std Dev 0

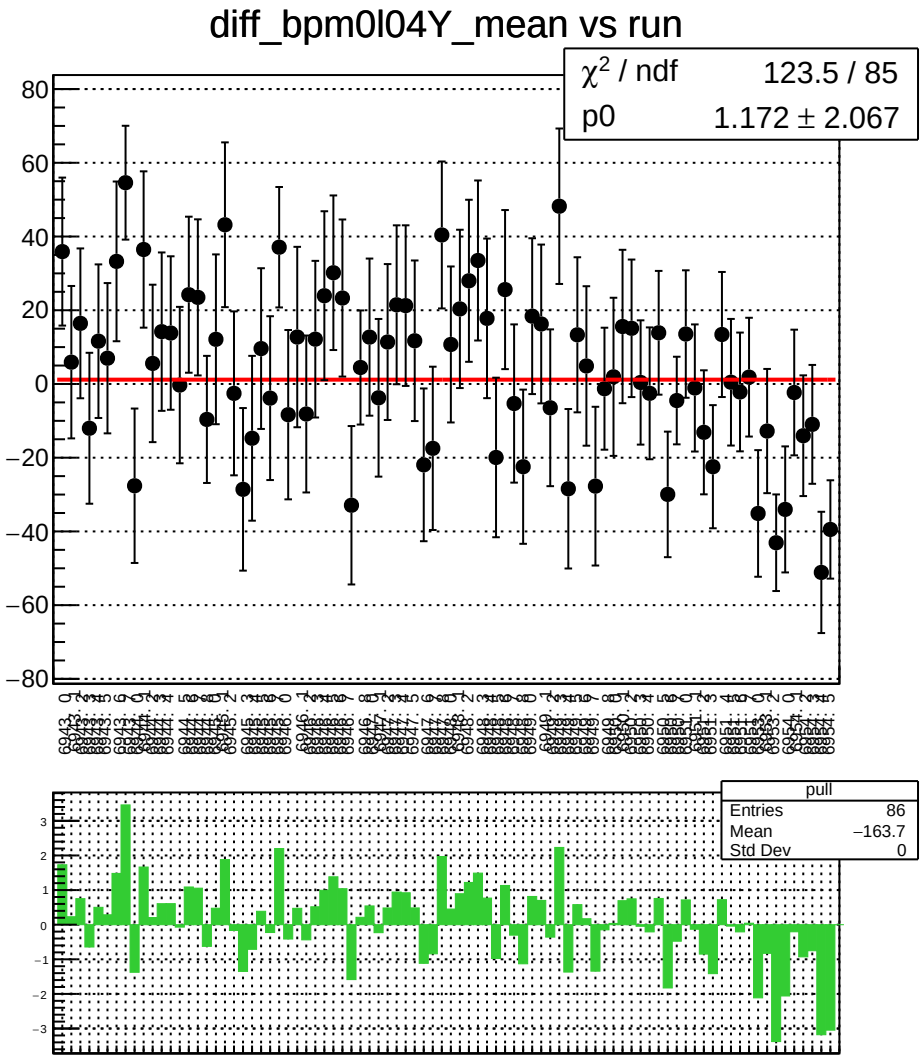

pull1D
Entries 86
Mean 0.04968
Std Dev 0.9994

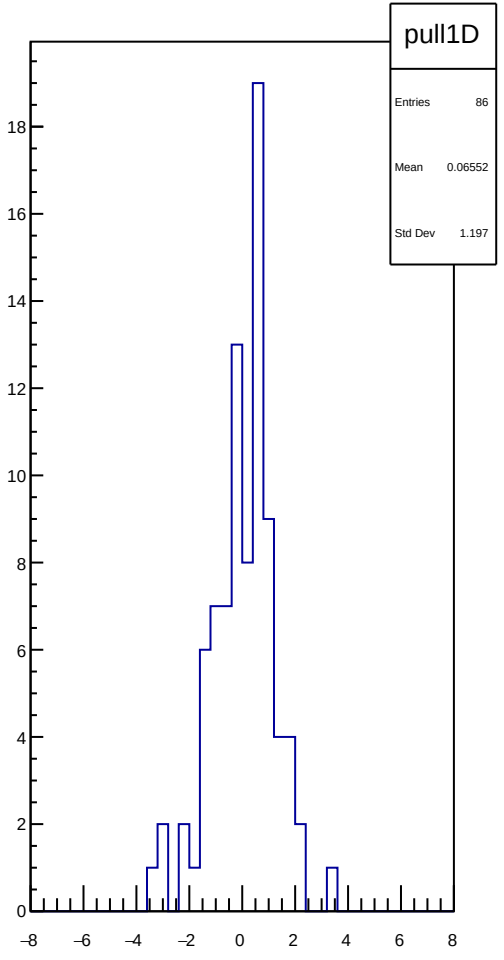

diff_bpm0l03Y_rms vs run
χ² / ndf 1.097e+05 / 85
p0 3.092e+04 ± 24.86
70000
60000
50000
40000
30000
20000

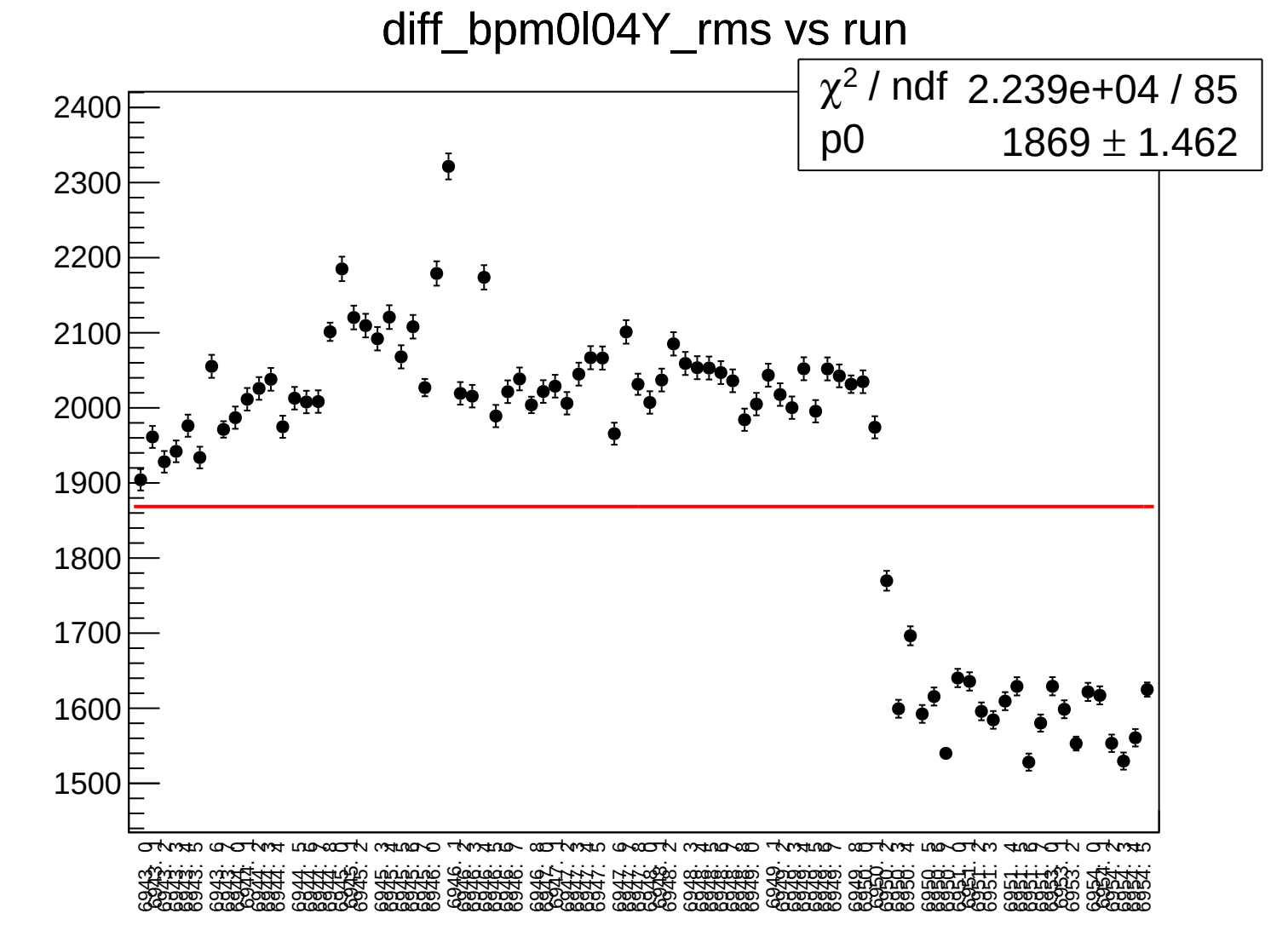

diff_bpm0l04X_mean vs run
χ^2 / ndf 65.9 / 85
p0 13.26 ± 2.671
pull
Entries 86
Mean 241.8
Std Dev 0

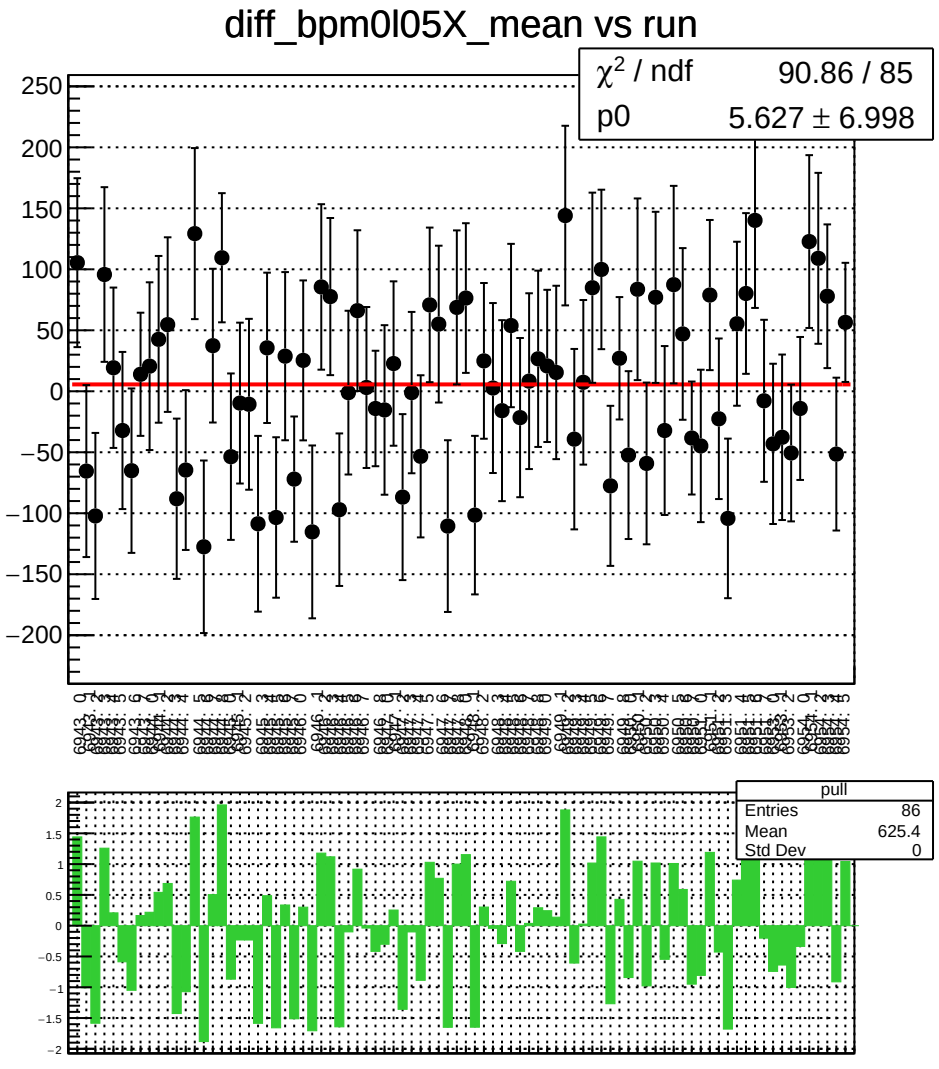

pull1D
Entries 86
Mean −0.005329
Std Dev 0.8754

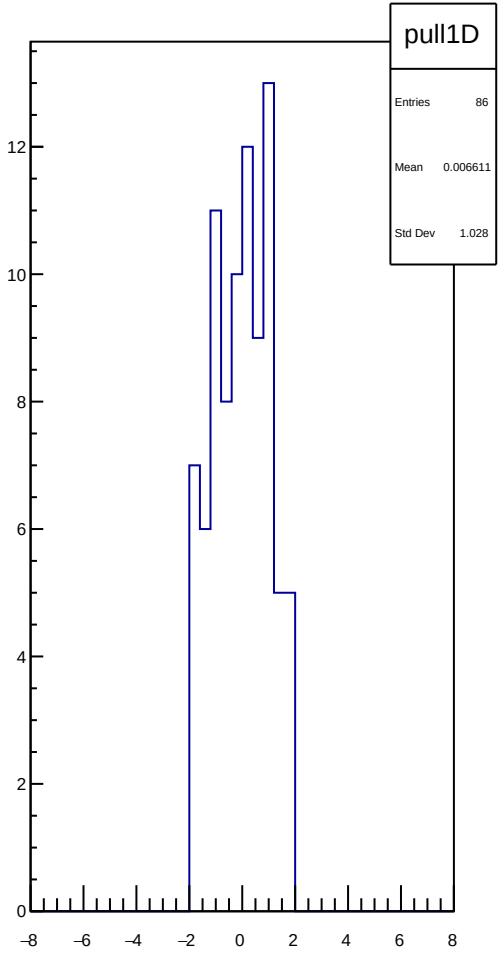

diff_bpm0l04X_rms vs run
χ² / ndf 1312 / 85
p0 2429 ± 1.888
2700
2600
2500
2400
2300
2200

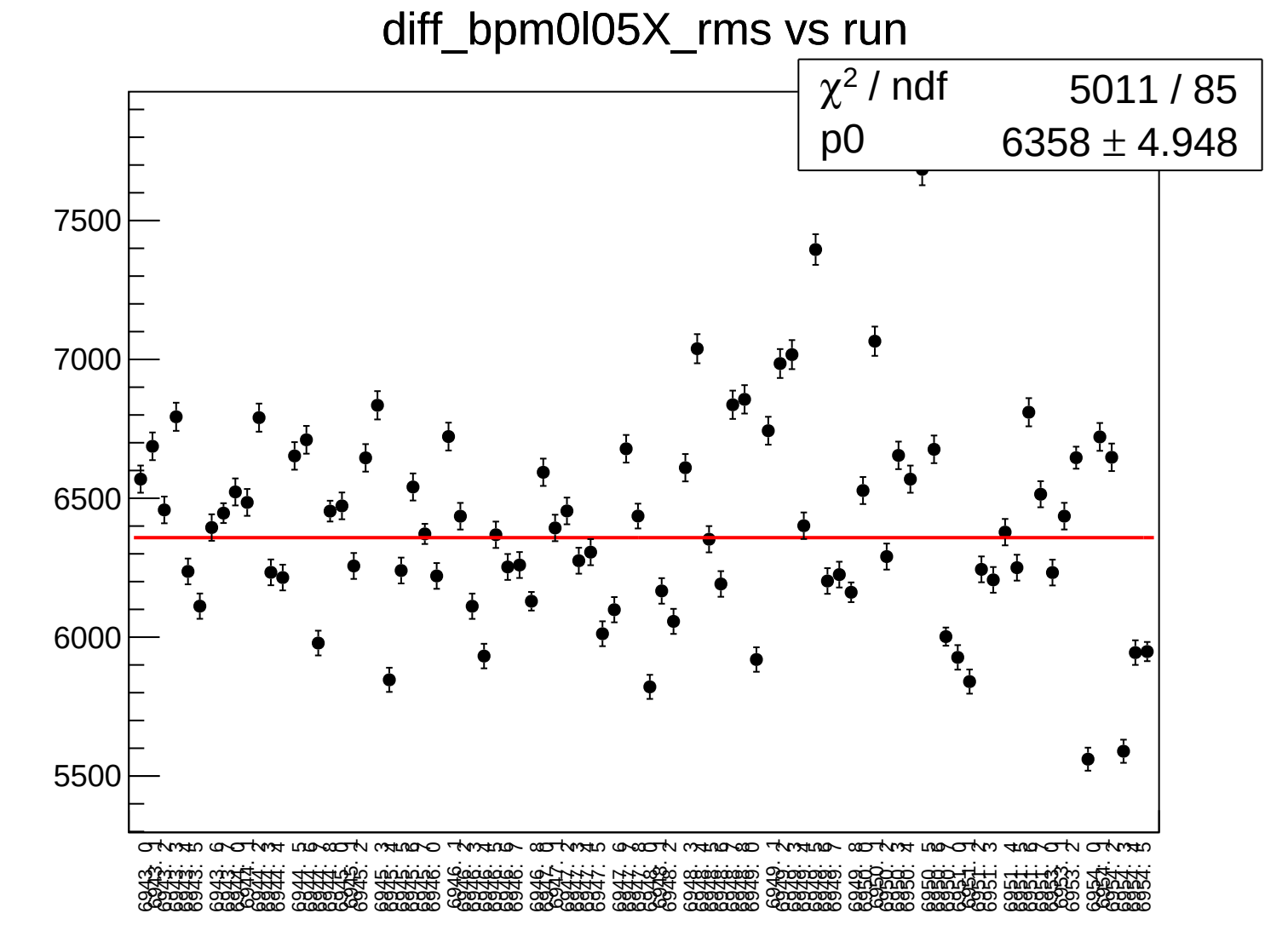

diff_bpm0l04Y_mean vs run
χ^2 / ndf 123.5 / 85
p0 1.172 ± 2.067
pull
Entries 86
Mean −163.7
Std Dev 0

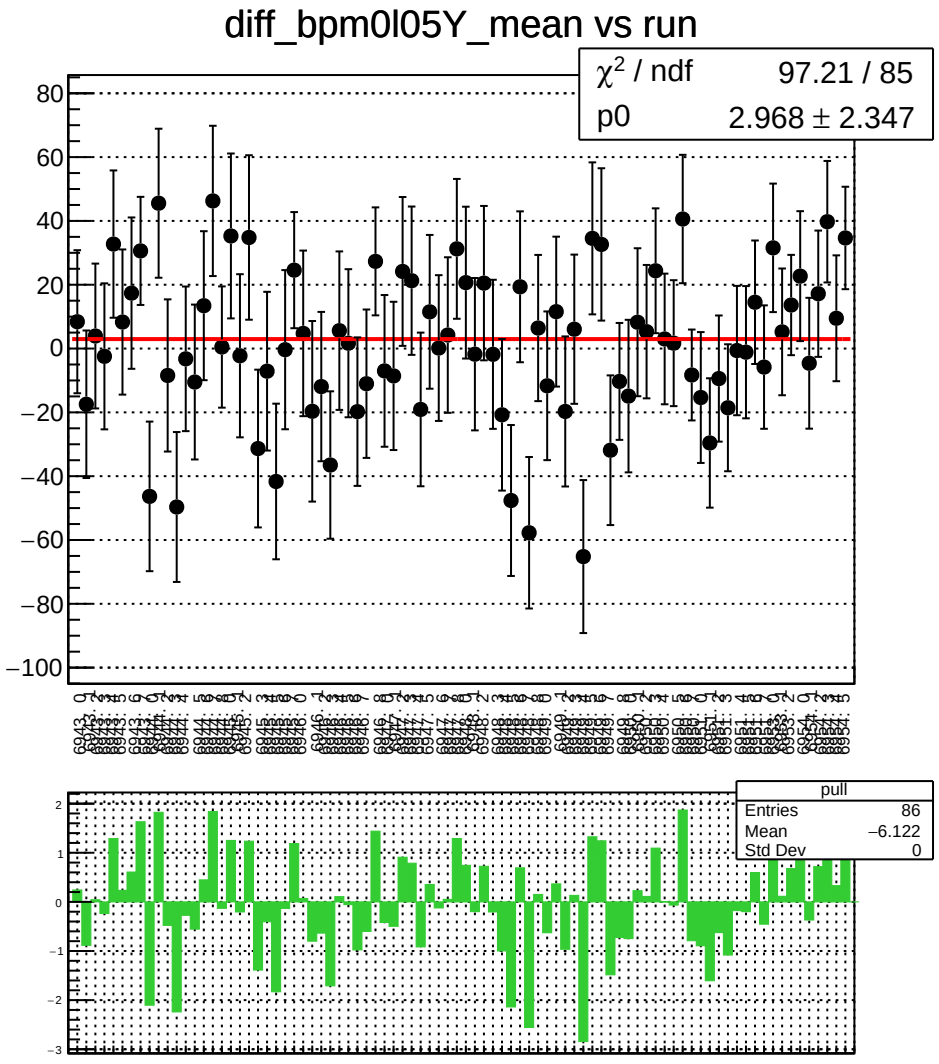

pull1D
Entries 86
Mean 0.06552
Std Dev 1.197

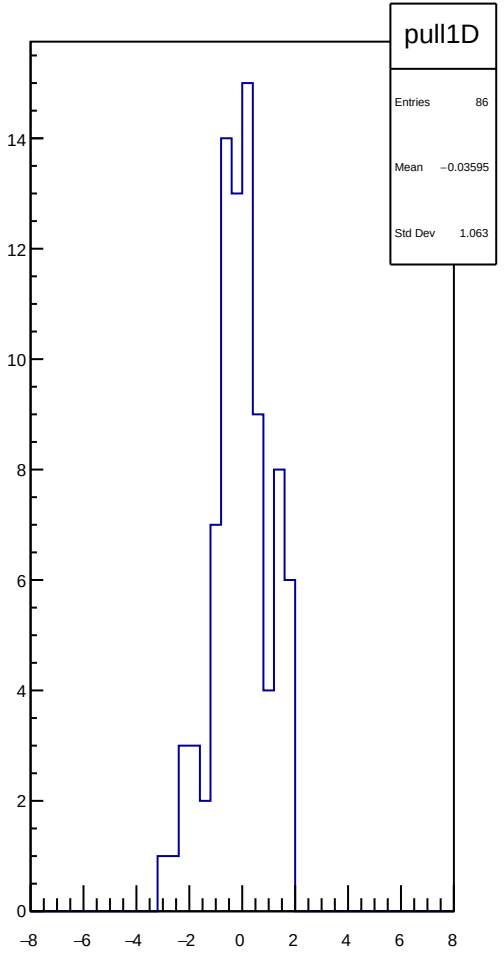

diff_bpm0l04Y_rms vs run
χ² / ndf 2.239e+04 / 85
p0 1869 ± 1.462
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

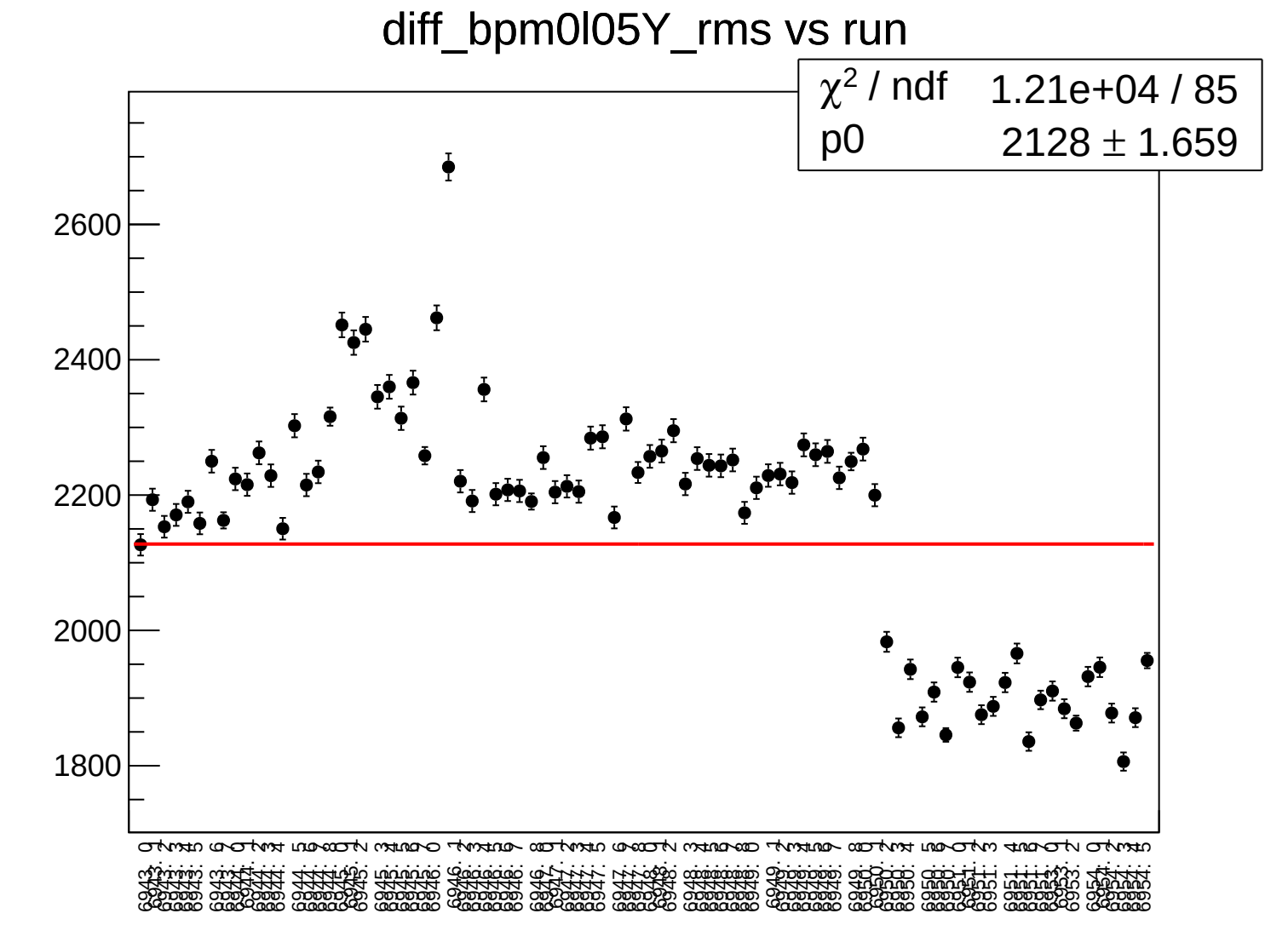

diff_bpm0l05X_mean vs run
χ^2 / ndf 90.86 / 85
p0 5.627 ± 6.998
pull
Entries 86
Mean 625.4
Std Dev 0

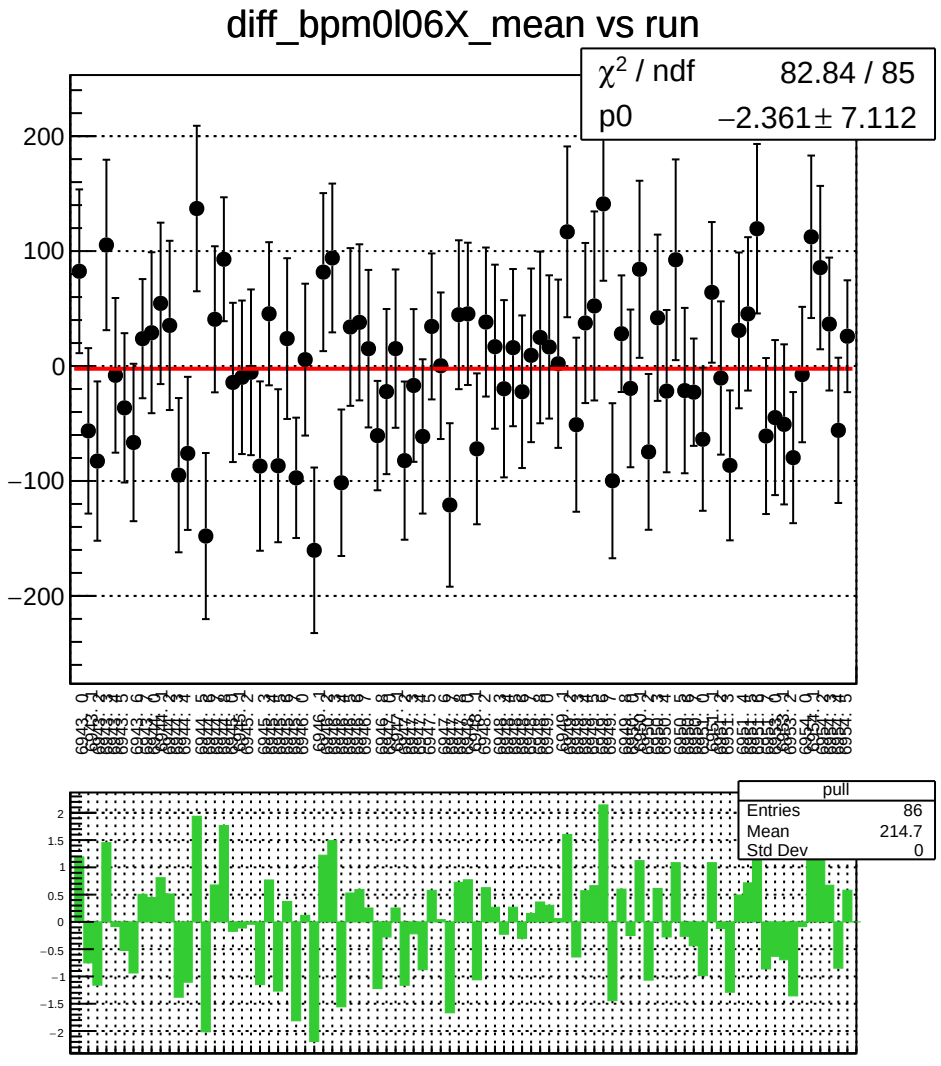

pull1D
Entries 86
Mean 0.006611
Std Dev 1.028

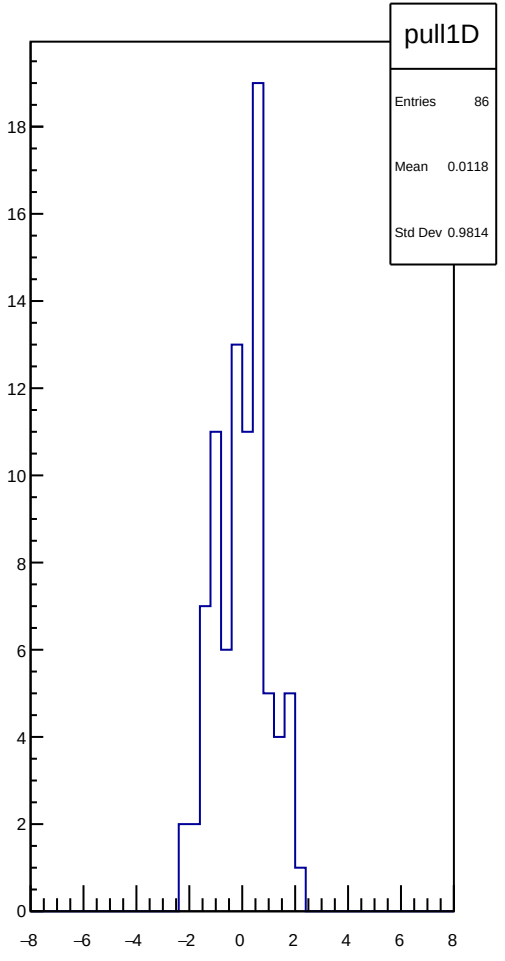

diff_bpm0l05X_rms vs run
χ^2 / ndf 5011 / 85
p0 6358 ± 4.948
7500
7000
6500
6000
5500

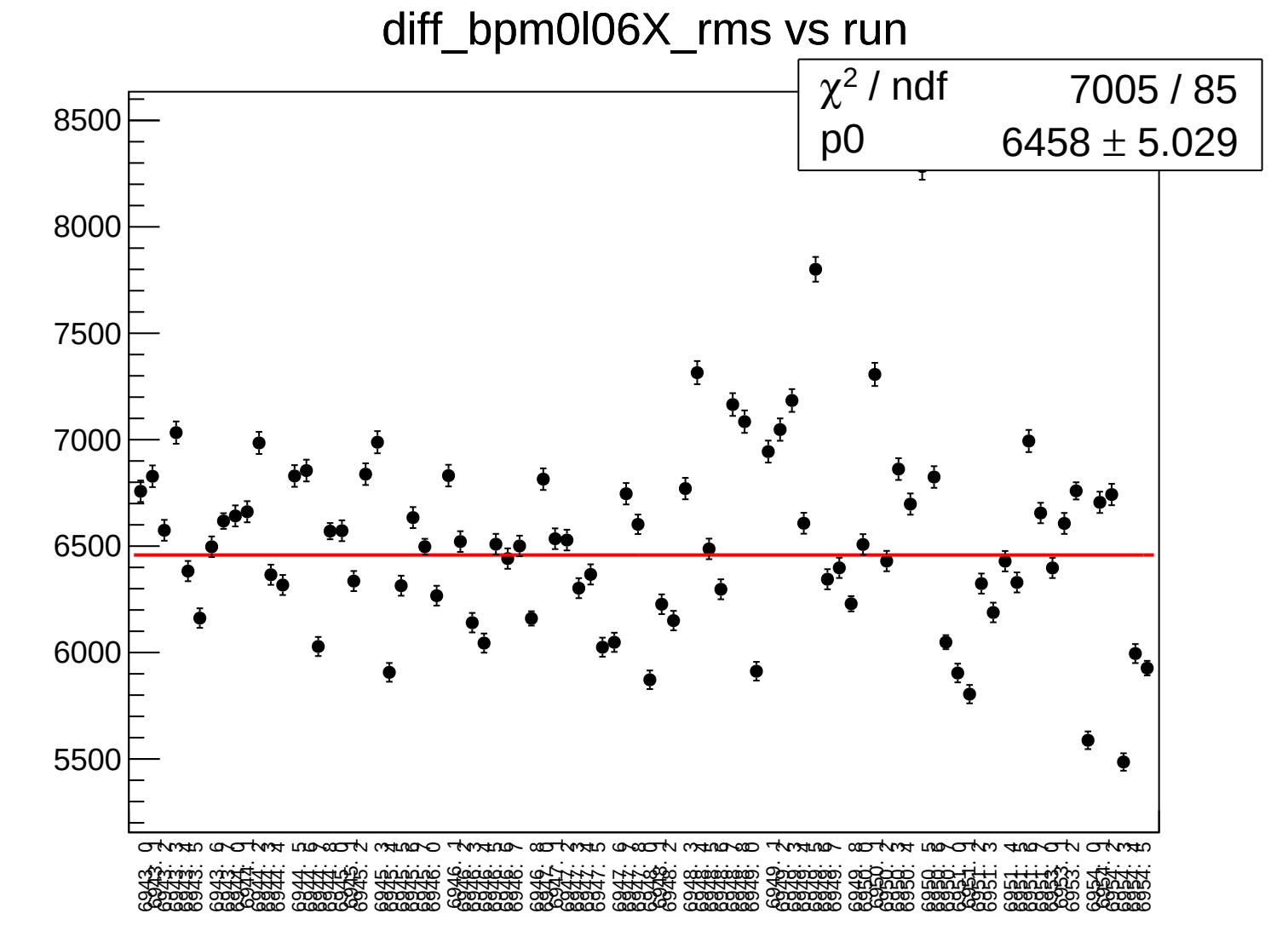

diff_bpm0l05Y_mean vs run
χ² / ndf 97.21 / 85
p0 2.968 ± 2.347
pull
Entries 86
Mean −6.122
Std Dev 0

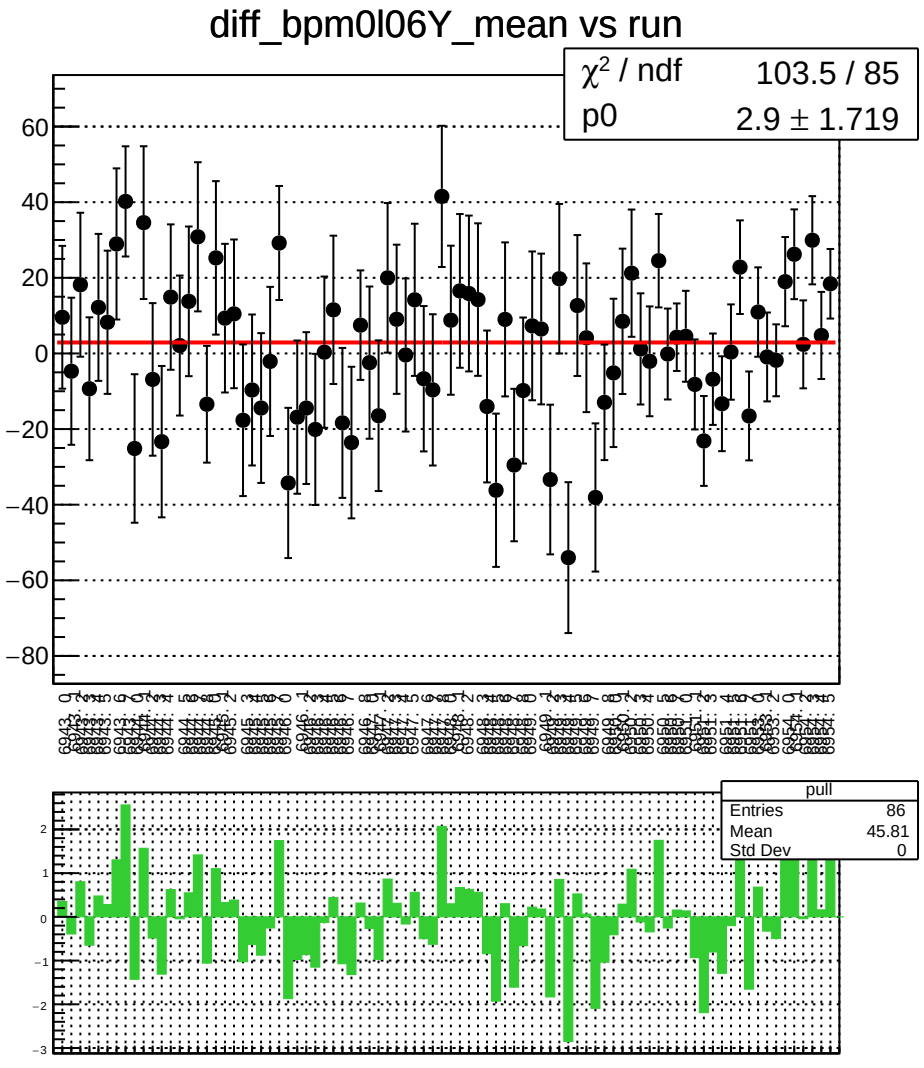

pull1D
Entries 86
Mean −0.03595
Std Dev 1.063

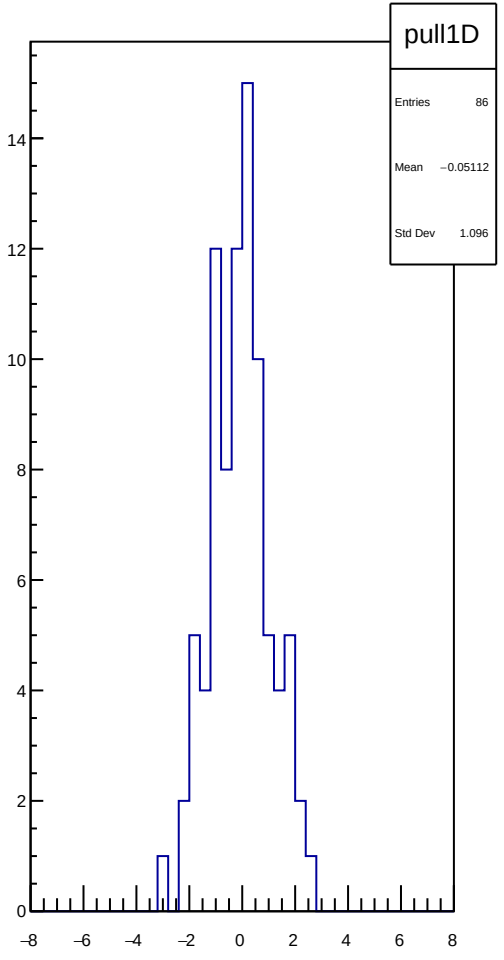

diff_bpm0l05Y_rms vs run
χ² / ndf 1.21e+04 / 85
p0 2128 ± 1.659
2600
2400
2200
2000
1800

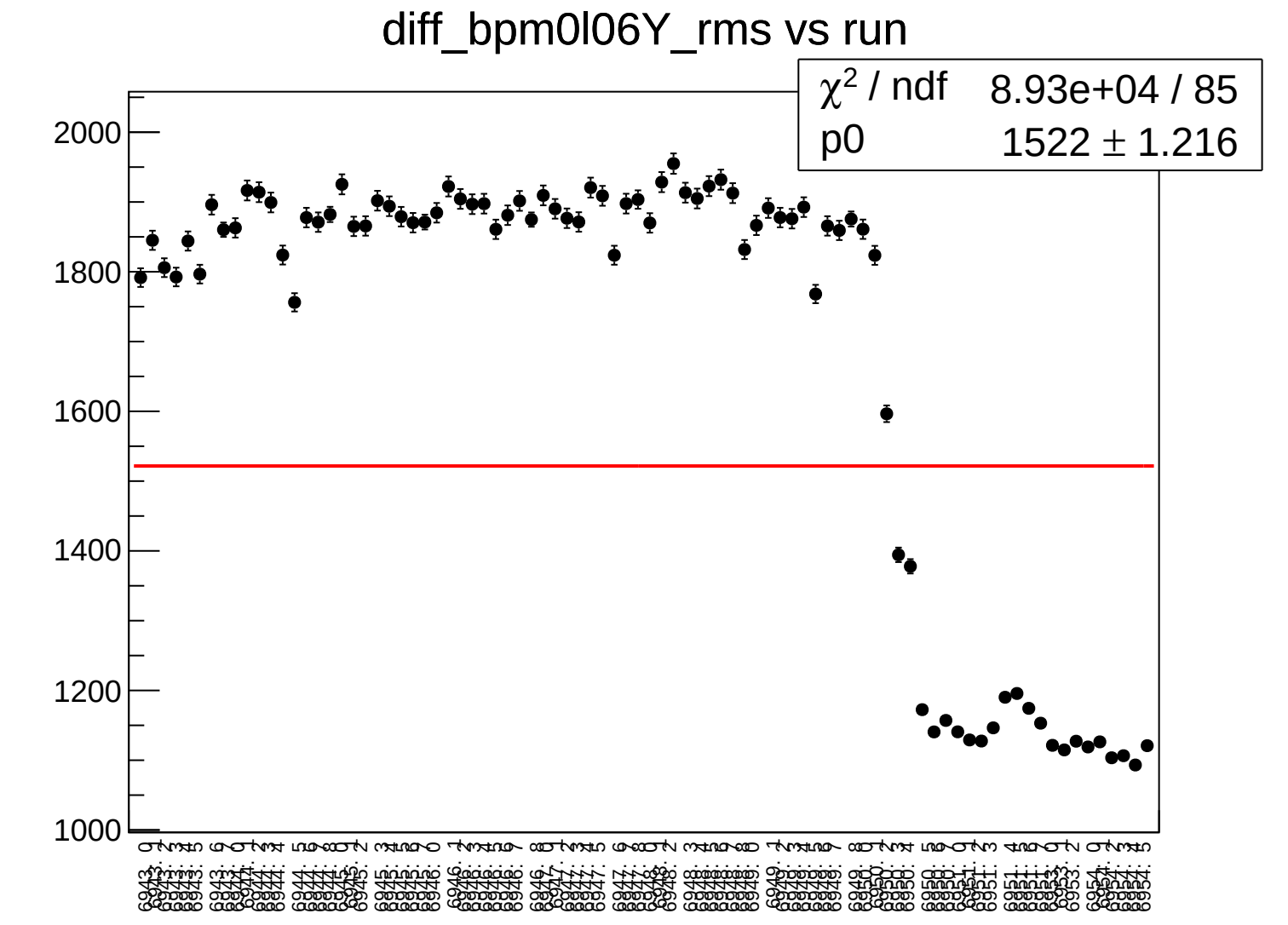

diff_bpm0l06X_mean vs run
χ² / ndf 82.84 / 85
p0 −2.361 ± 7.112
200
100
0
−100
−200
pull
Entries 86
Mean 214.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

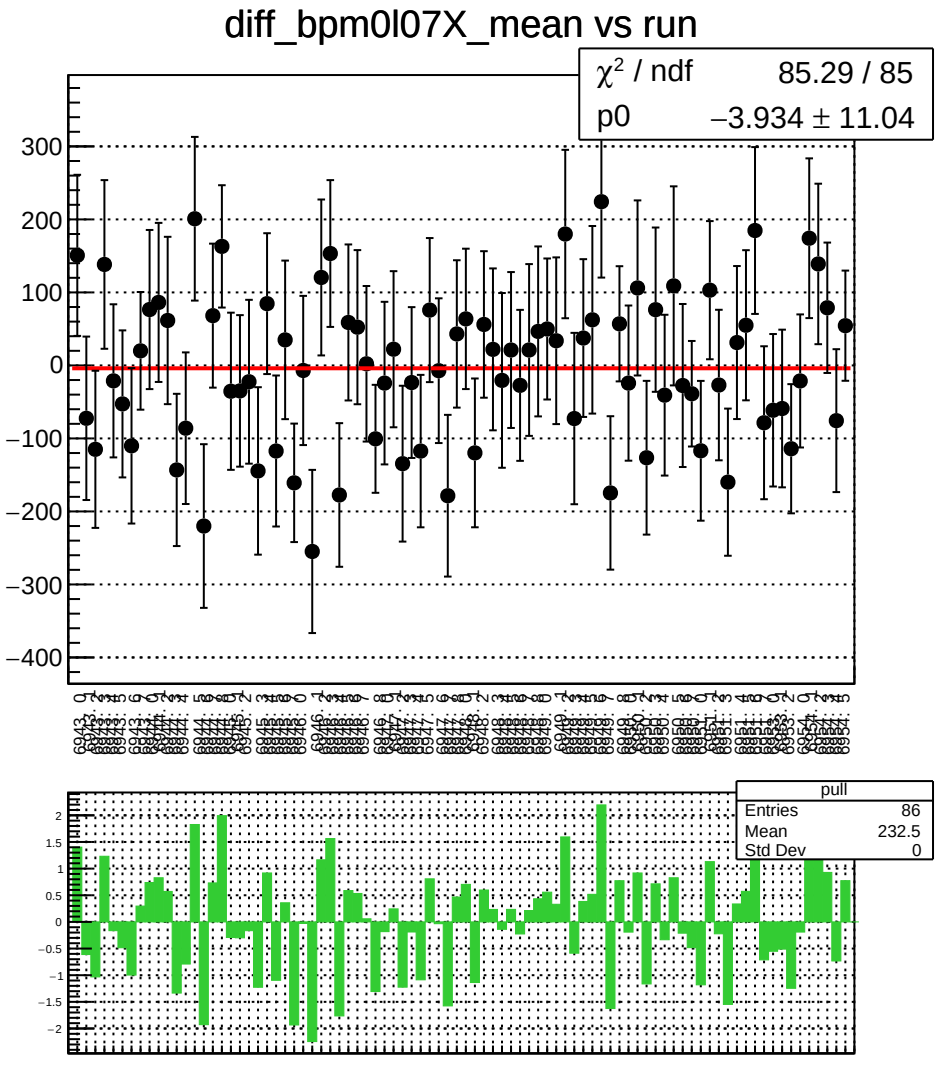

pull1D
Entries 86
Mean 0.0118
Std Dev 0.9814
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

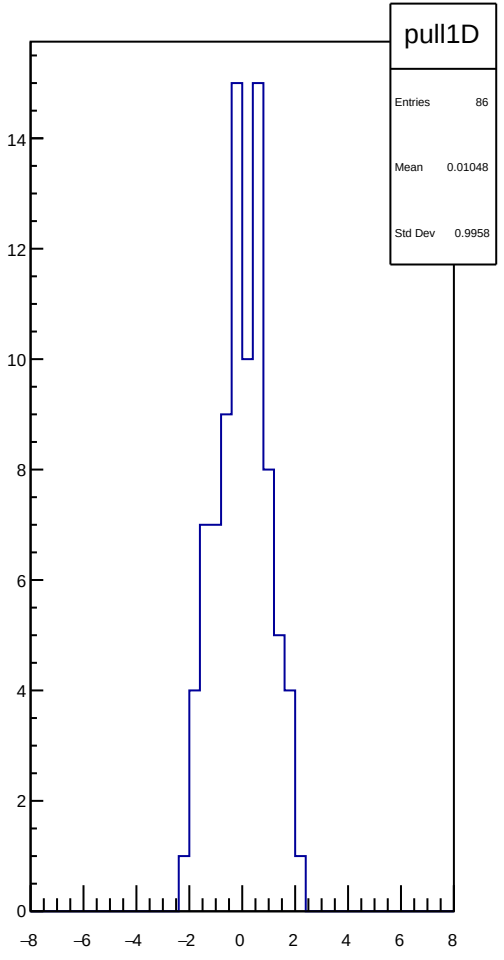

diff_bpm0l06X_rms vs run
χ² / ndf 7005 / 85
p0 6458 ± 5.029
8500
8000
7500
7000
6500
6000
5500

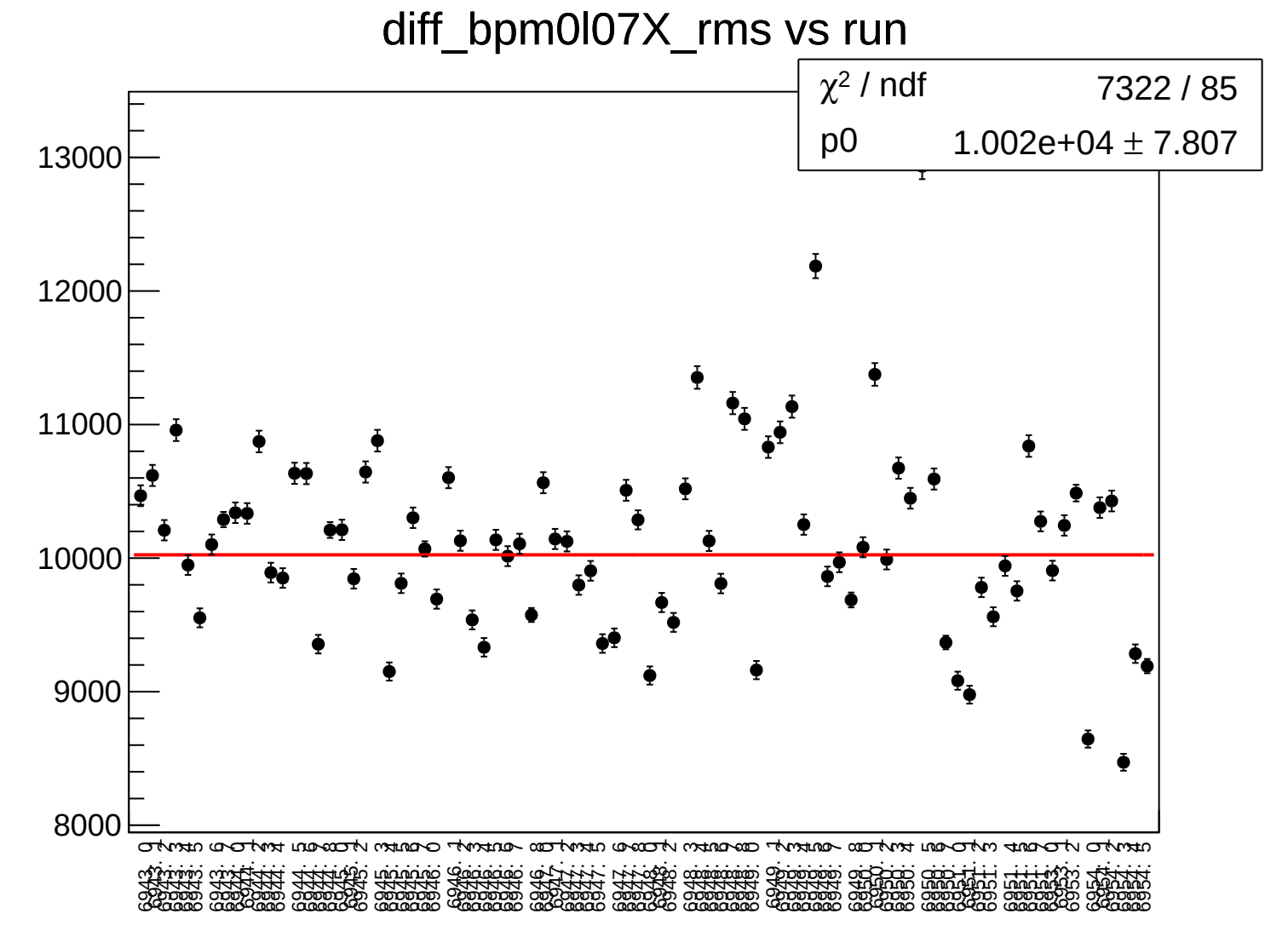

diff_bpm0l06Y_mean vs run
χ^2 / ndf 103.5 / 85
p0 2.9 ± 1.719
pull
Entries 86
Mean 45.81
Std Dev 0

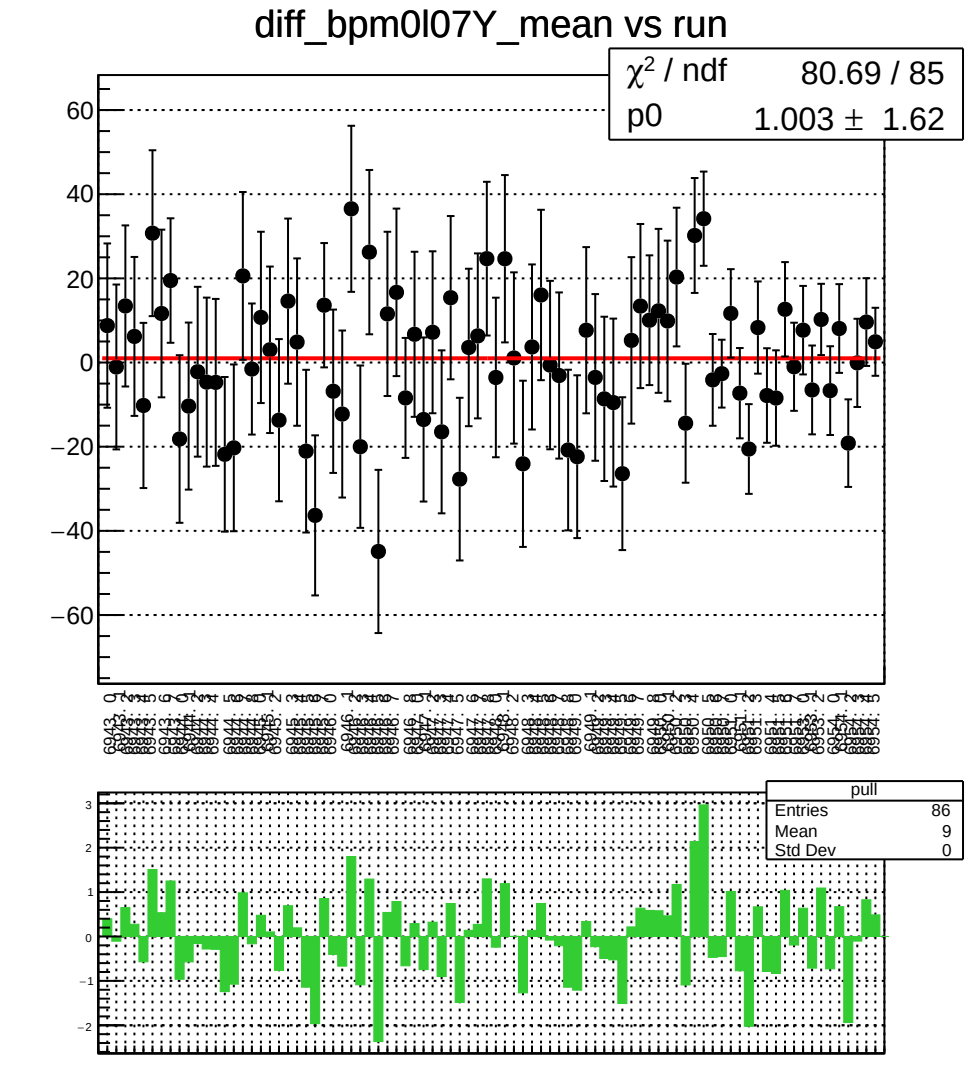

pull1D
Entries 86
Mean −0.05112
Std Dev 1.096

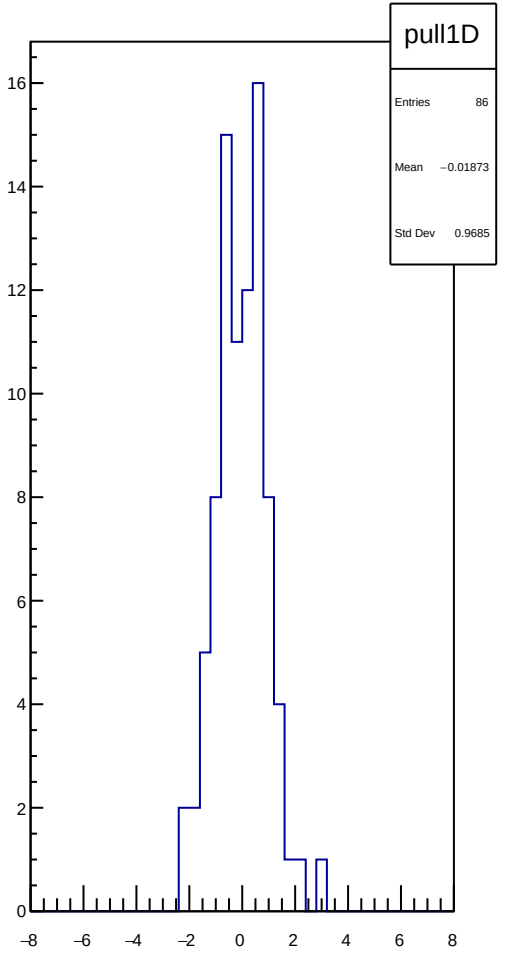

diff_bpm0l06Y_rms vs run
χ² / ndf 8.93e+04 / 85
p0 1522 ± 1.216
2000
1800
1600
1400
1200
1000

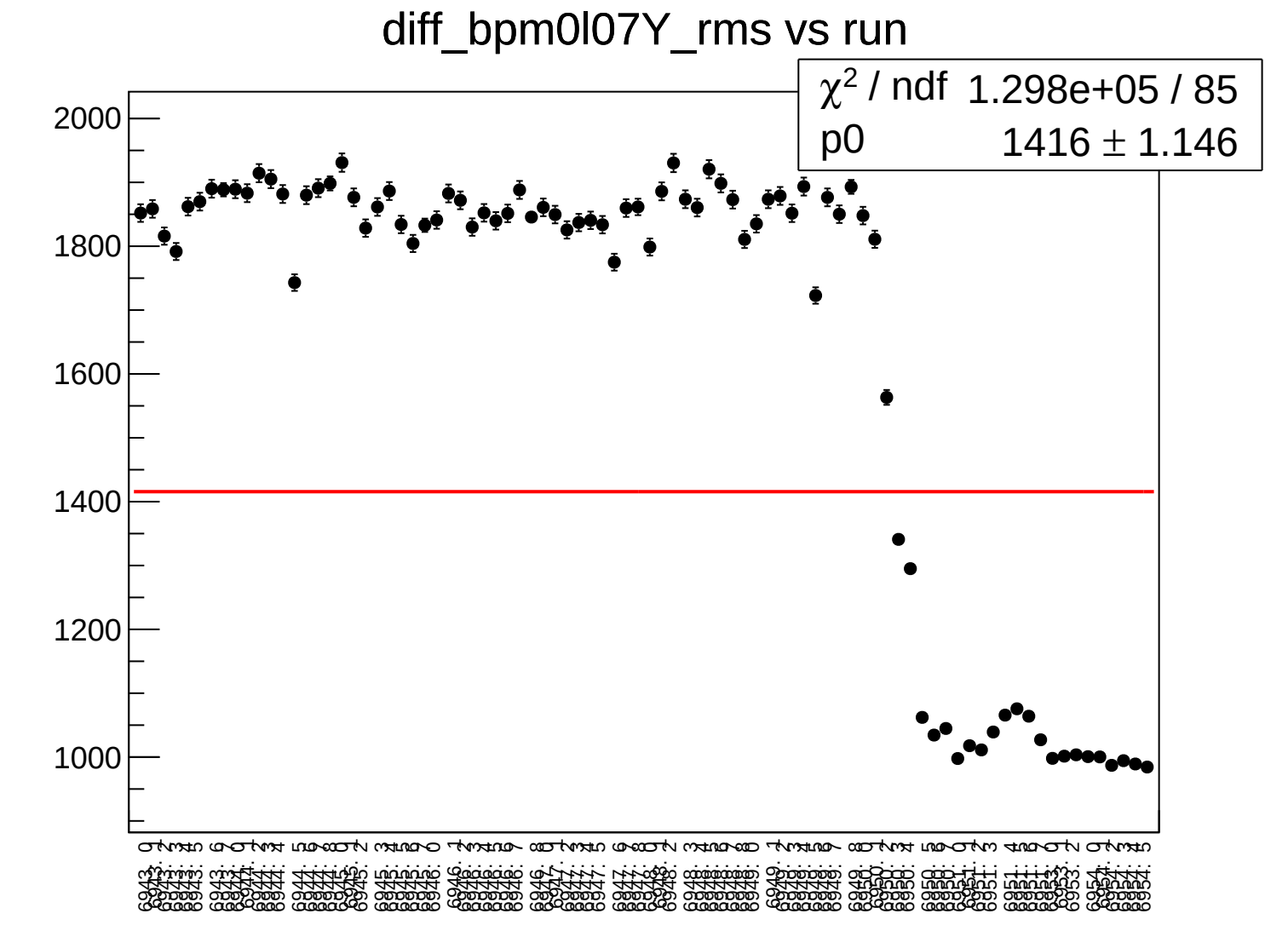

diff_bpm0l07X_mean vs run
χ² / ndf 85.29 / 85
p0 −3.934 ± 11.04
pull
Entries 86
Mean 232.5
Std Dev 0

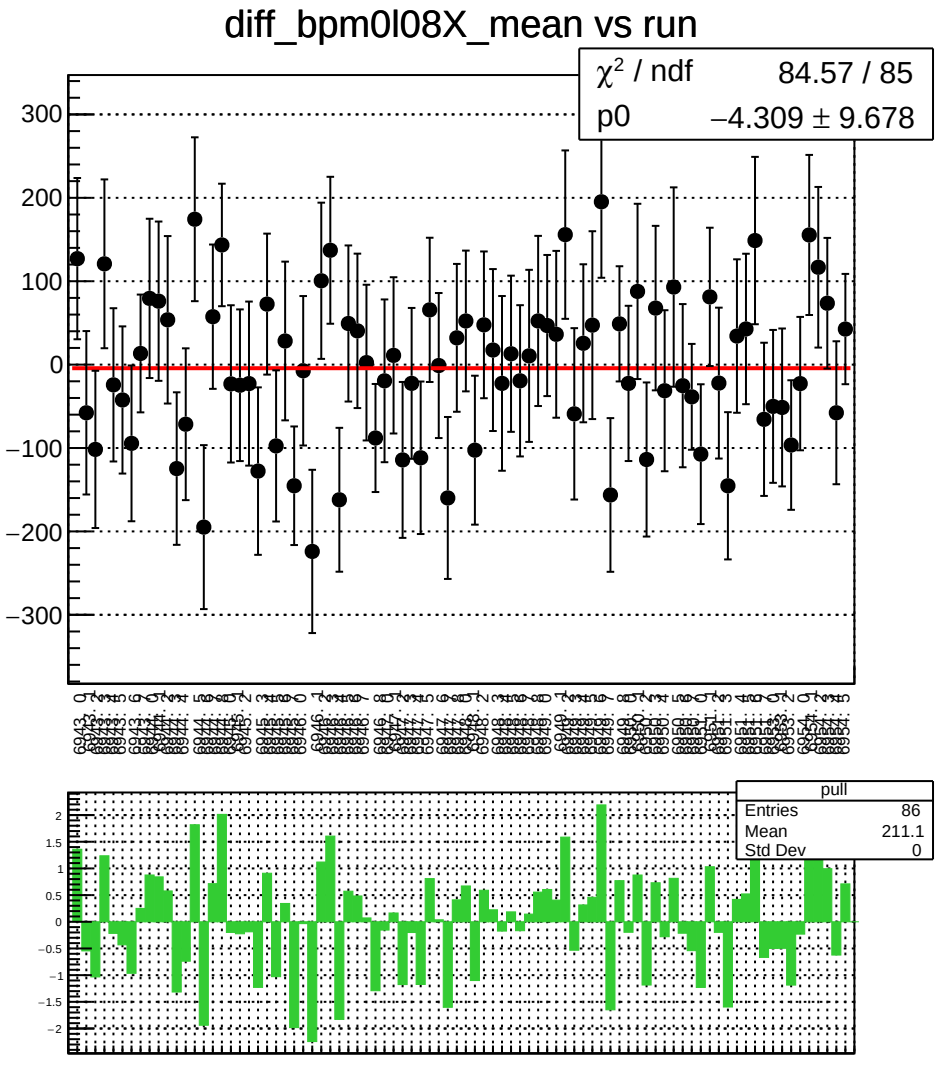

pull1D
Entries 86
Mean 0.01048
Std Dev 0.9958

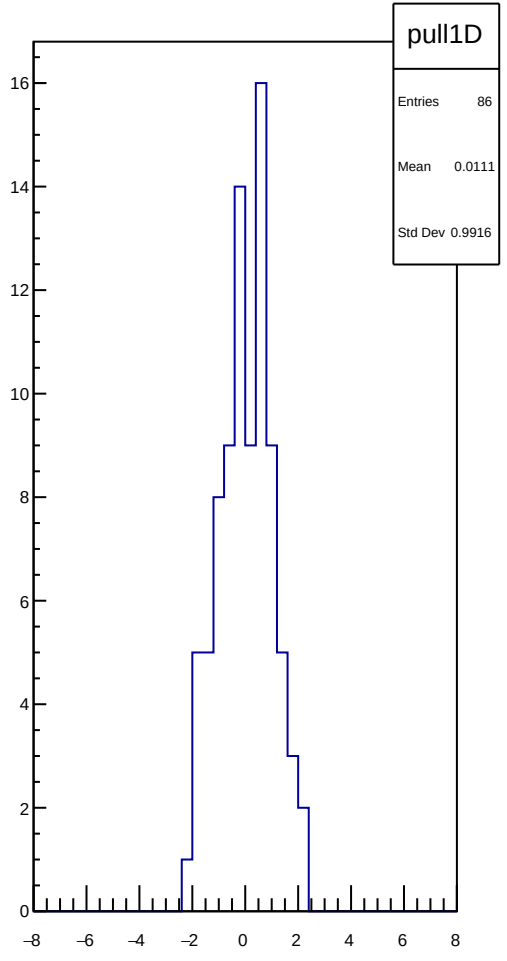

diff_bpm0l07X_rms vs run
χ² / ndf 7322 / 85
p0 1.002e+04 ± 7.807
13000
12000
11000
10000
9000
8000

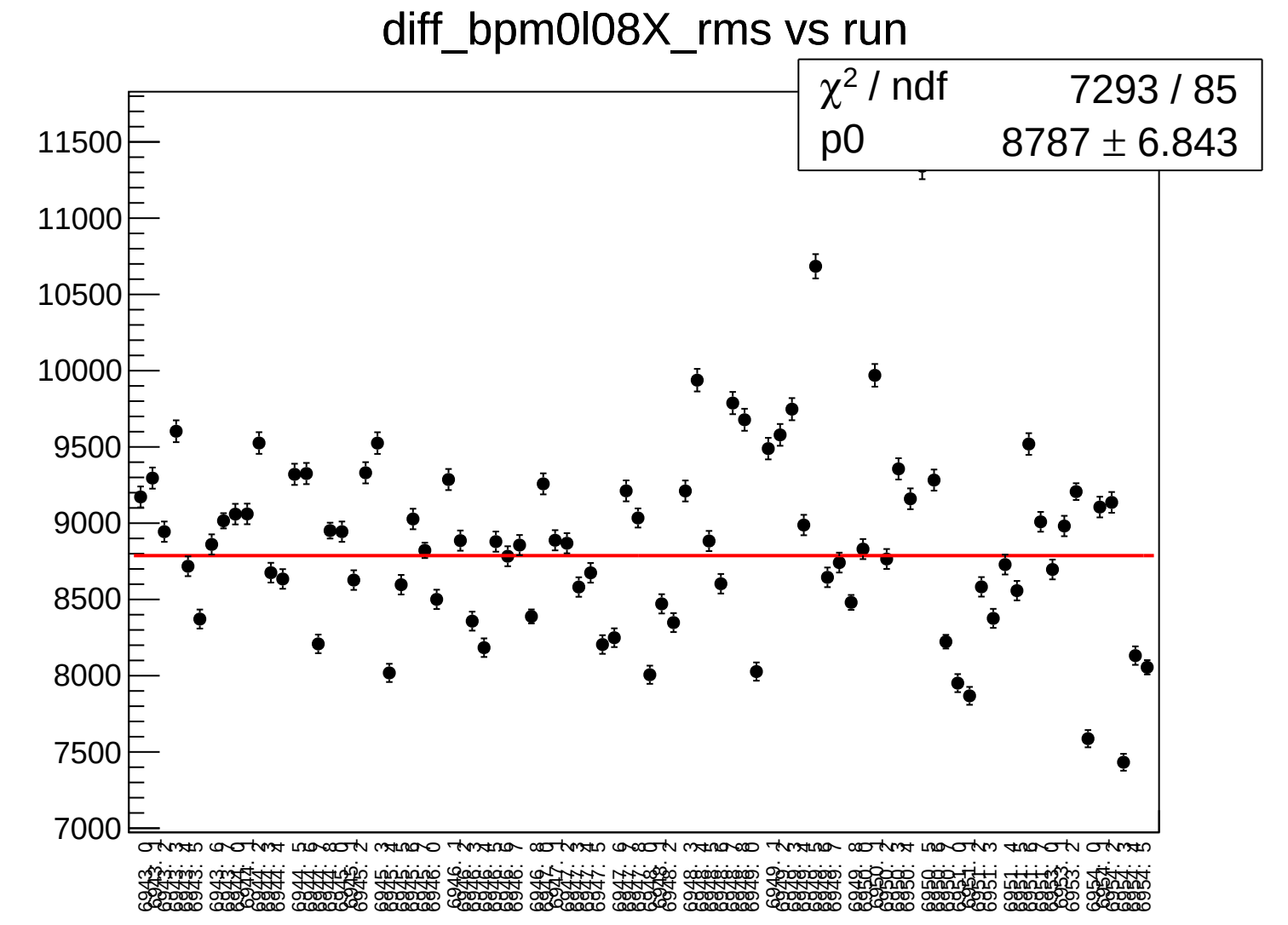

diff_bpm0l07Y_mean vs run
χ² / ndf 80.69 / 85
p0 1.003 ± 1.62
pull
Entries 86
Mean 9
Std Dev 0

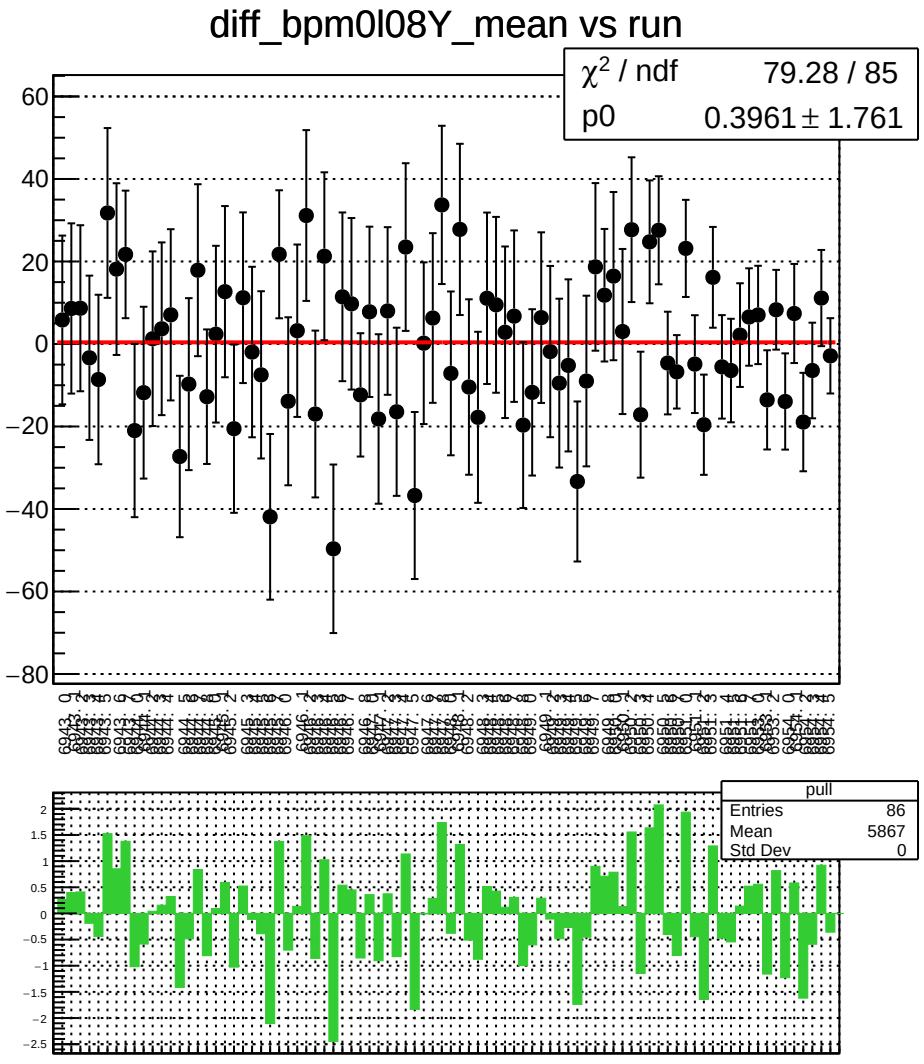

pull1D
Entries 86
Mean −0.01873
Std Dev 0.9685

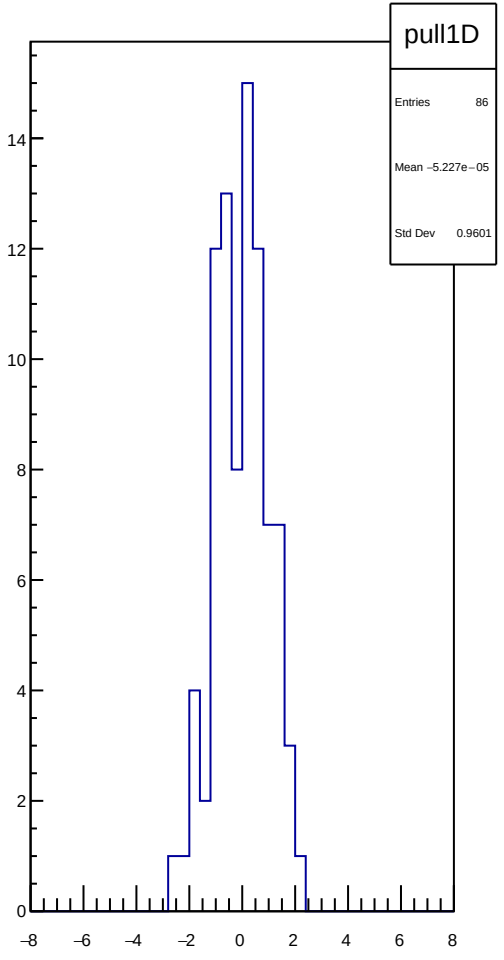

diff_bpm0l07Y_rms vs run
χ² / ndf 1.298e+05 / 85
p0 1416 ± 1.146
2000
1800
1600
1400
1200
1000

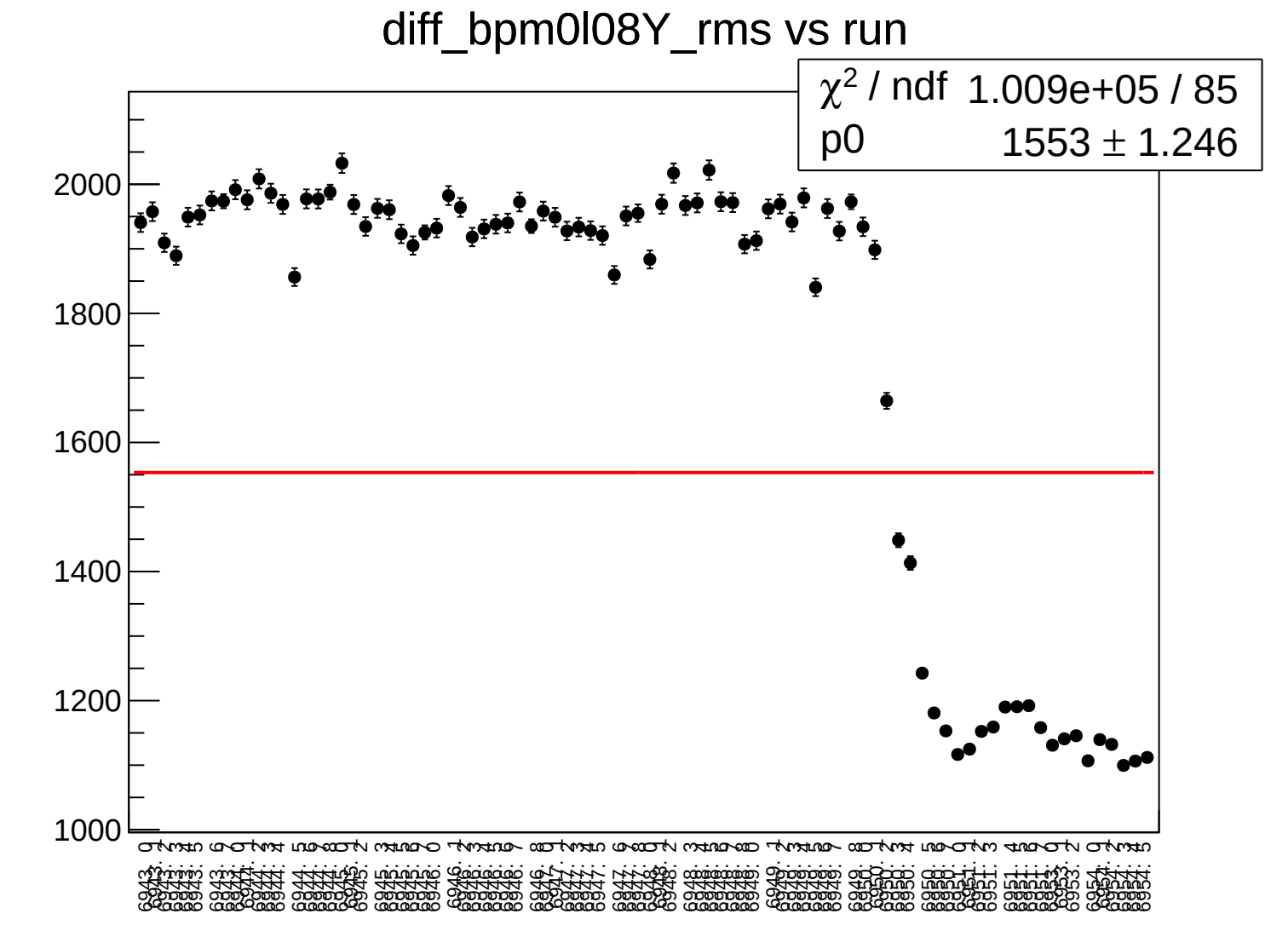

diff_bpm0l08X_mean vs run
χ² / ndf 84.57 / 85
p0 −4.309 ± 9.678
pull
Entries 86
Mean 211.1
Std Dev 0

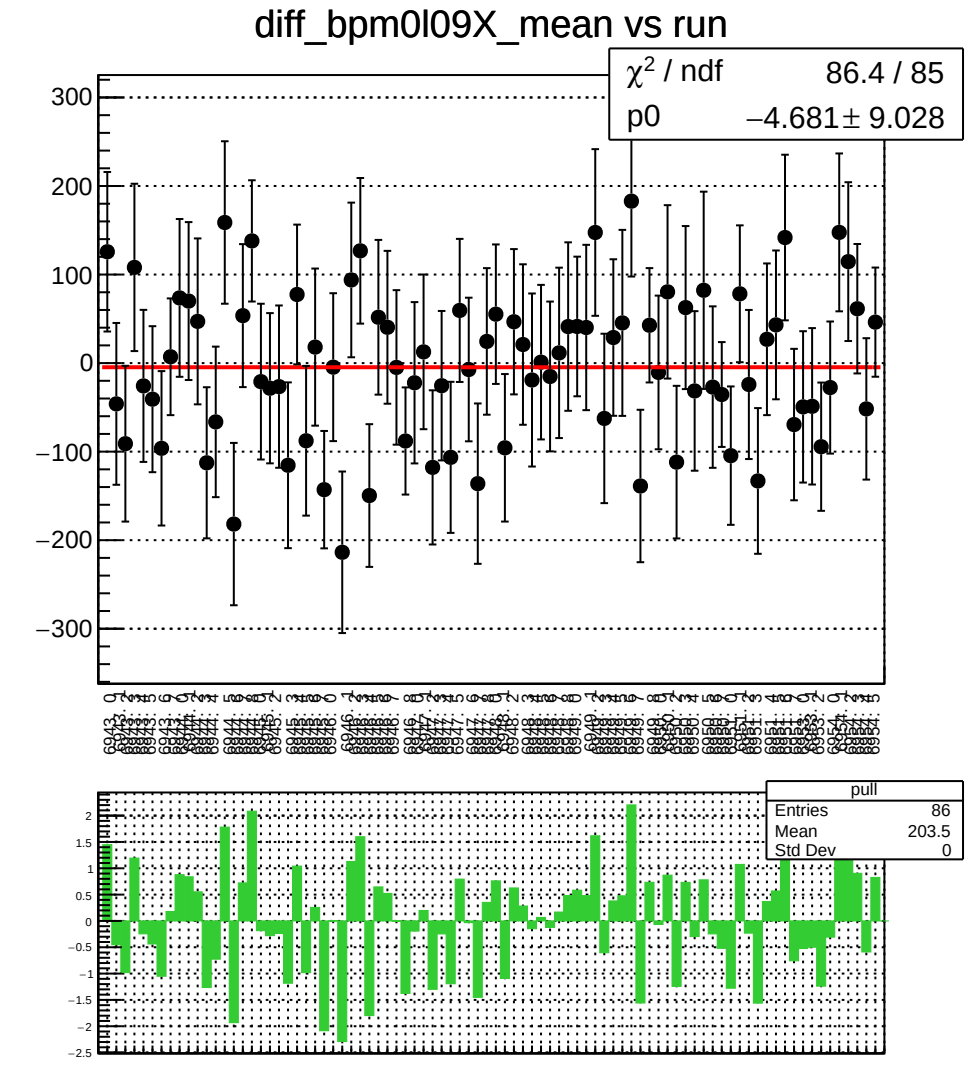

pull1D
Entries 86
Mean 0.0111
Std Dev 0.9916

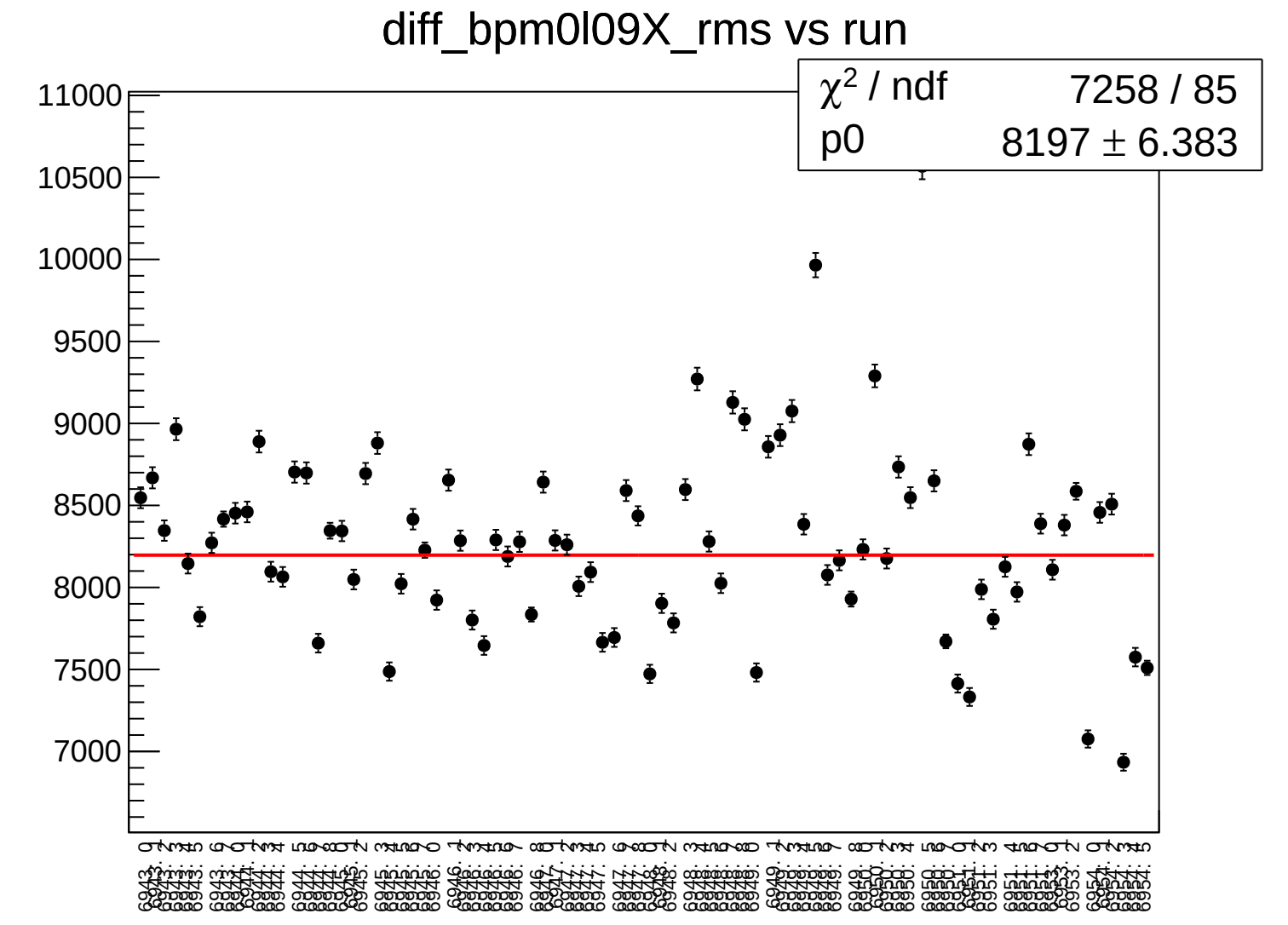

diff_bpm0l08X_rms vs run
χ^2 / ndf 7293 / 85
p0 8787 ± 6.843
11500
11000
10500
10000
9500
9000
8500
8000
7500
7000

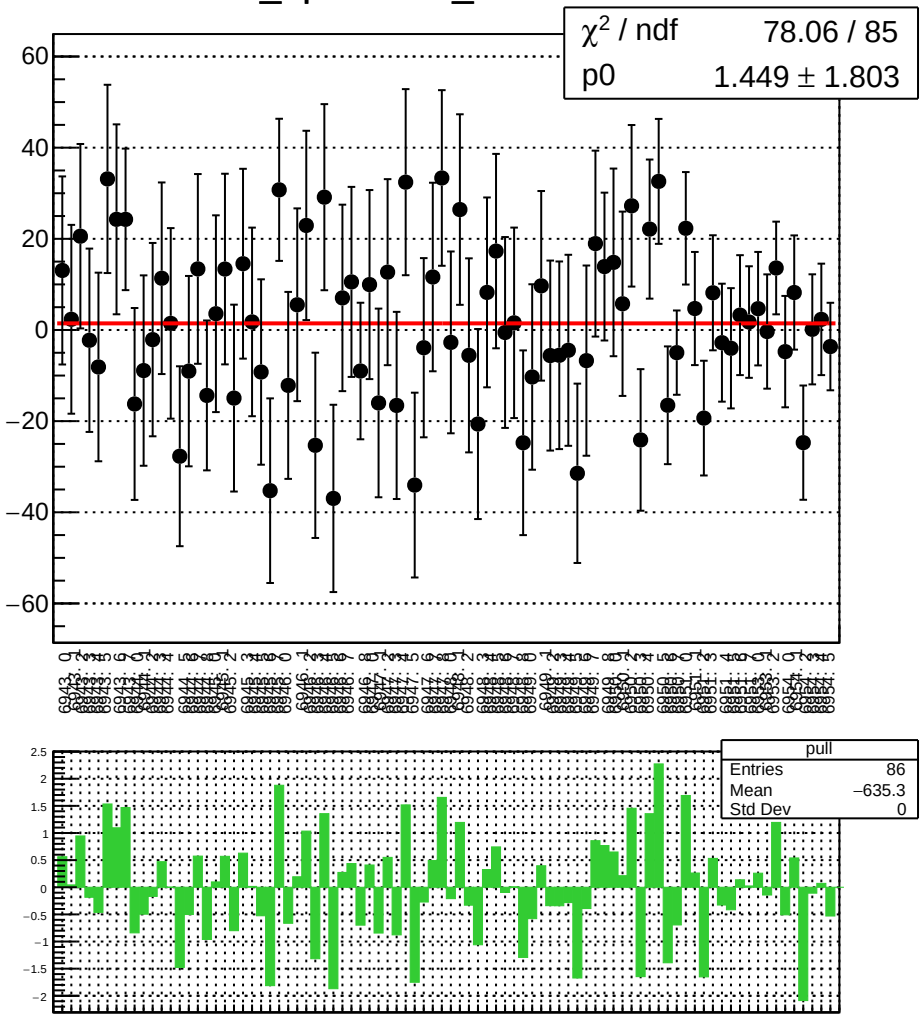

diff_bpm0l08Y_mean vs run
χ^2 / ndf 79.28 / 85
p0 0.3961 ± 1.761
pull
Entries 86
Mean 5867
Std Dev 0

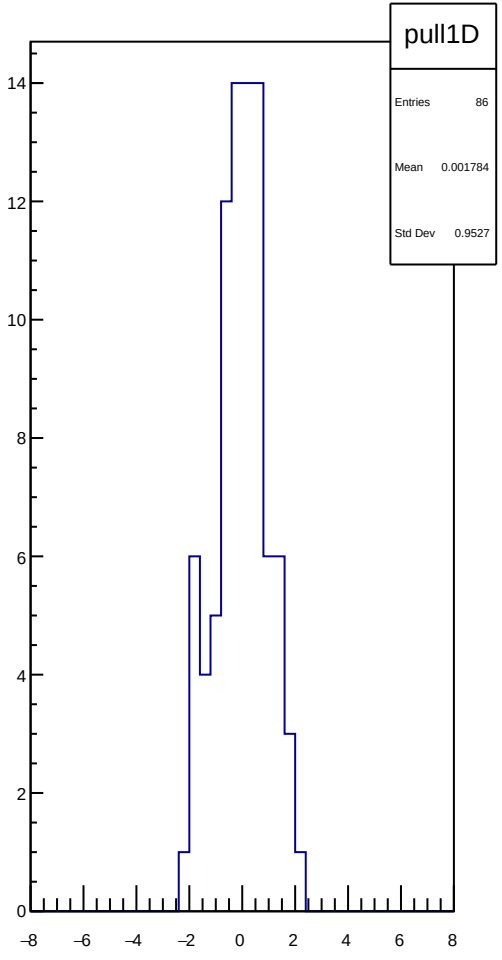

pull1D
Entries 86
Mean −5.227e−05
Std Dev 0.9601

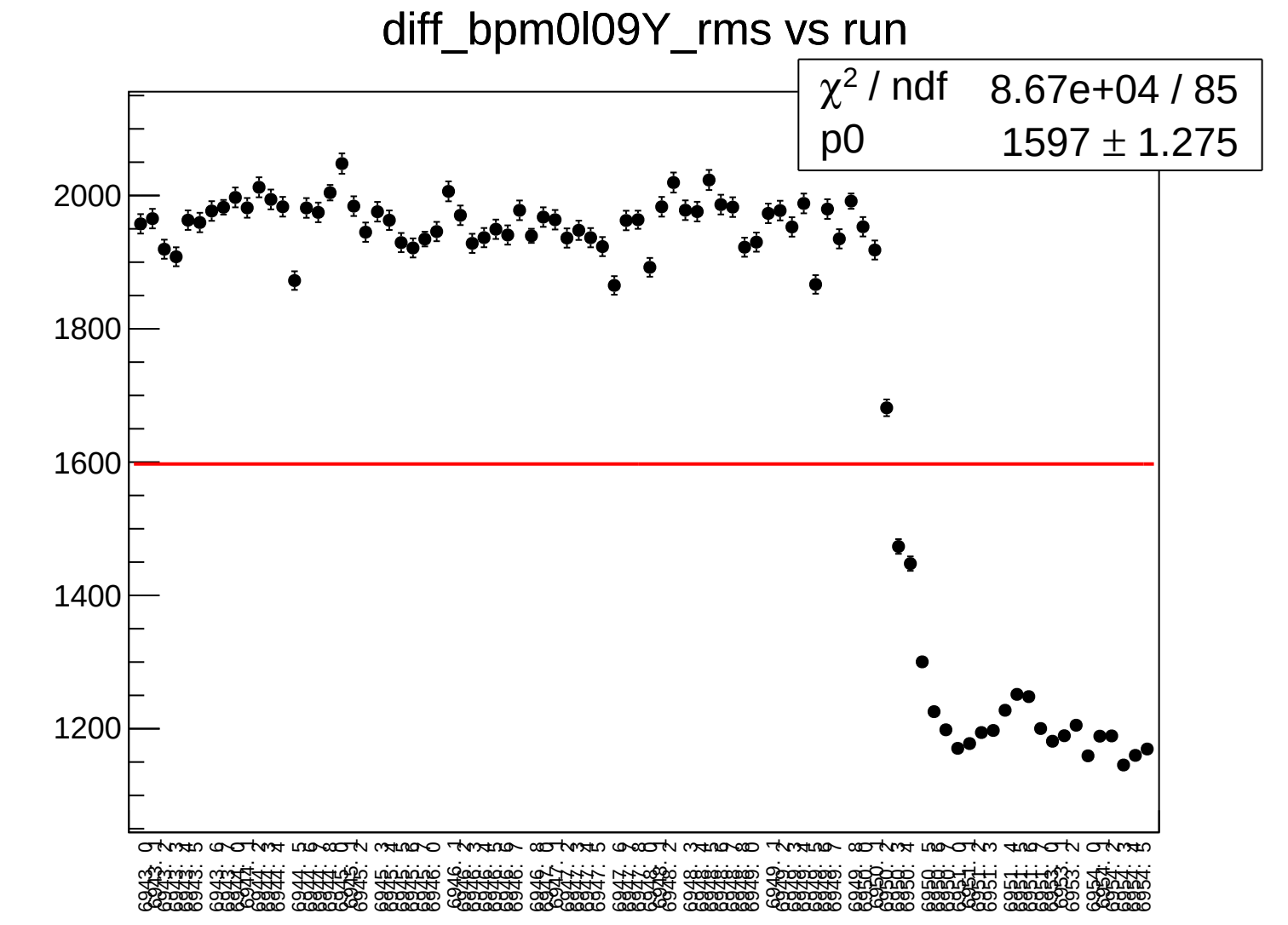

diff_bpm0l08Y_rms vs run
χ² / ndf 1.009e+05 / 85
p0 1553 ± 1.246
2000
1800
1600
1400
1200
1000

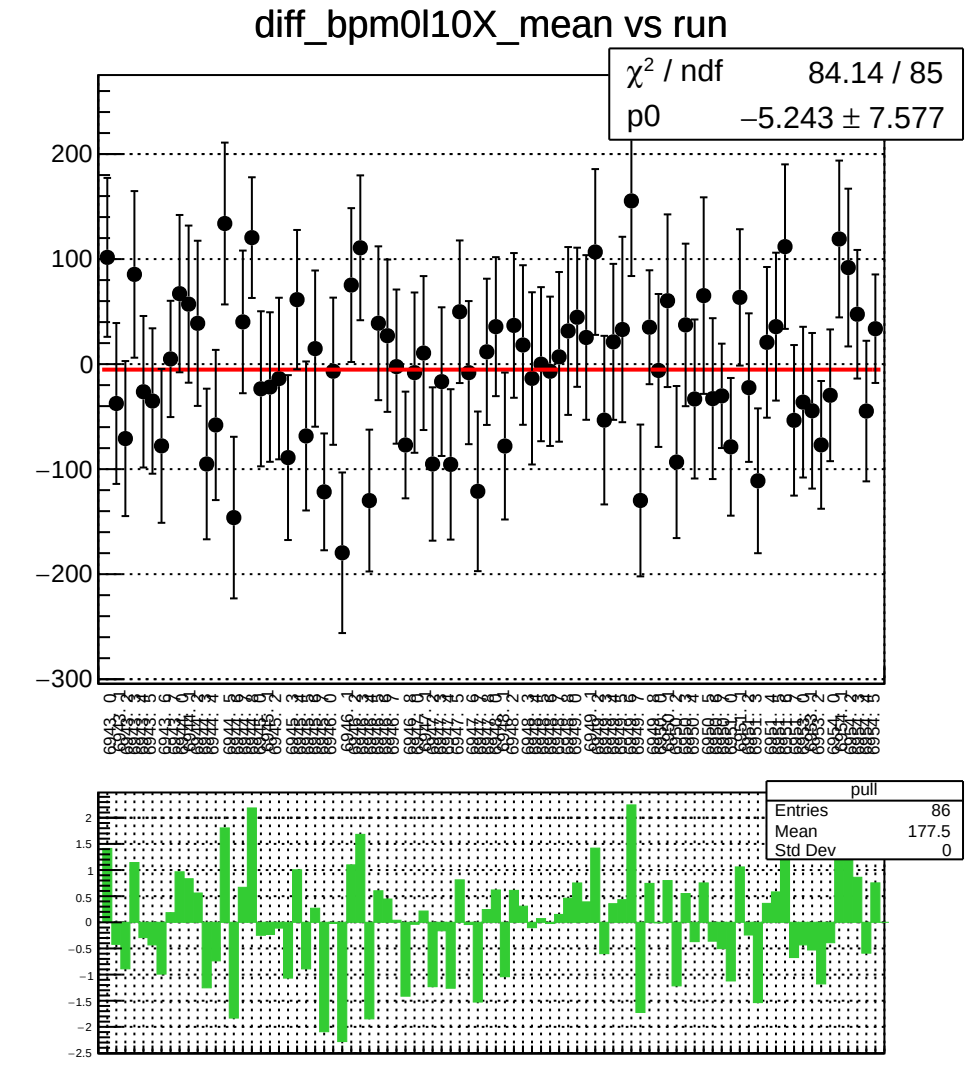

diff_bpm0l09X_mean vs run
χ² / ndf 86.4 / 85
p0 −4.681 ± 9.028
pull
Entries 86
Mean 203.5
Std Dev 0
pull1D
Entries 86
Mean 0.01163
Std Dev 1.002

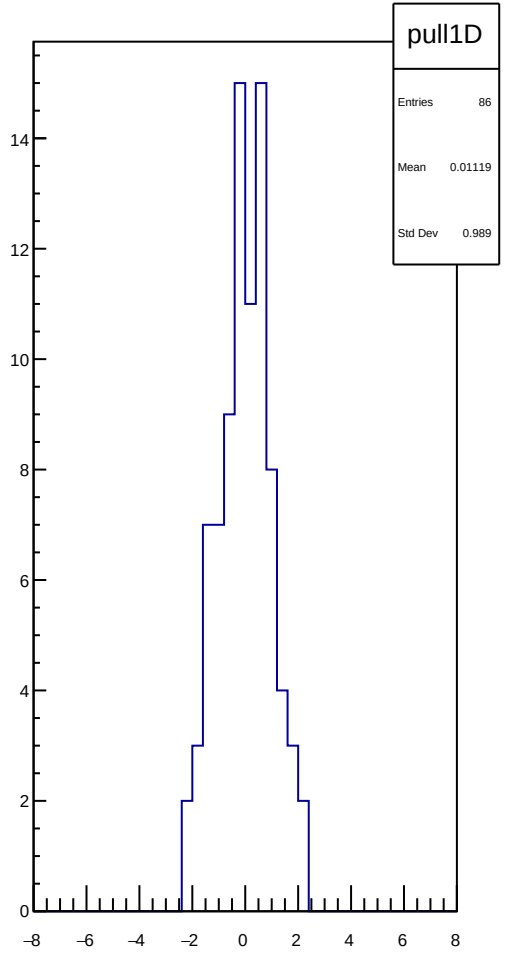

diff_bpm0l09X_rms vs run
χ^2 / ndf 7258 / 85
p0 8197 ± 6.383
11000
10500
10000
9500
9000
8500
8000
7500
7000

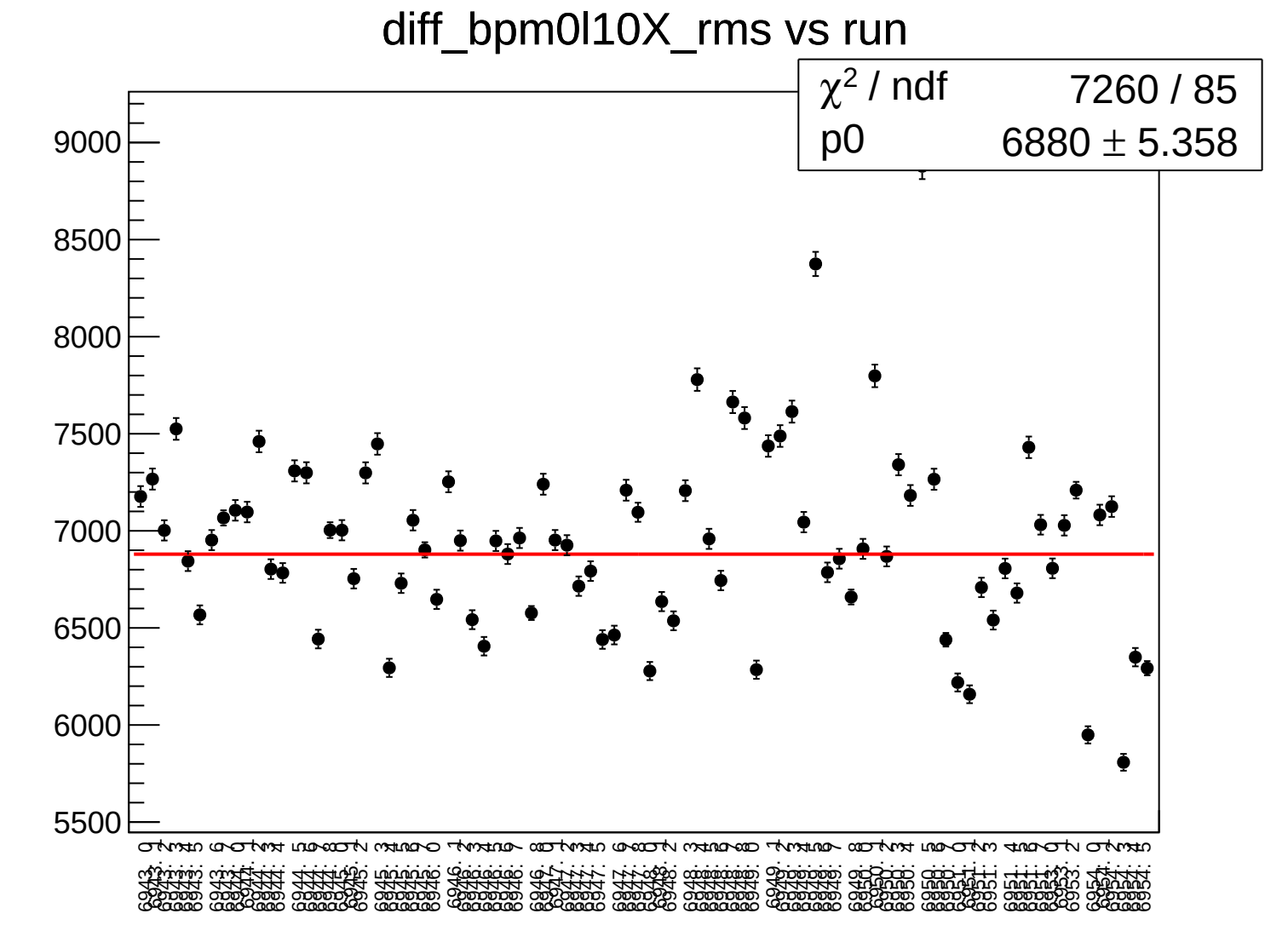

diff_bpm0l09Y_mean vs run
χ² / ndf 78.06 / 85
p0 1.449 ± 1.803
pull
Entries 86
Mean −635.3
Std Dev 0

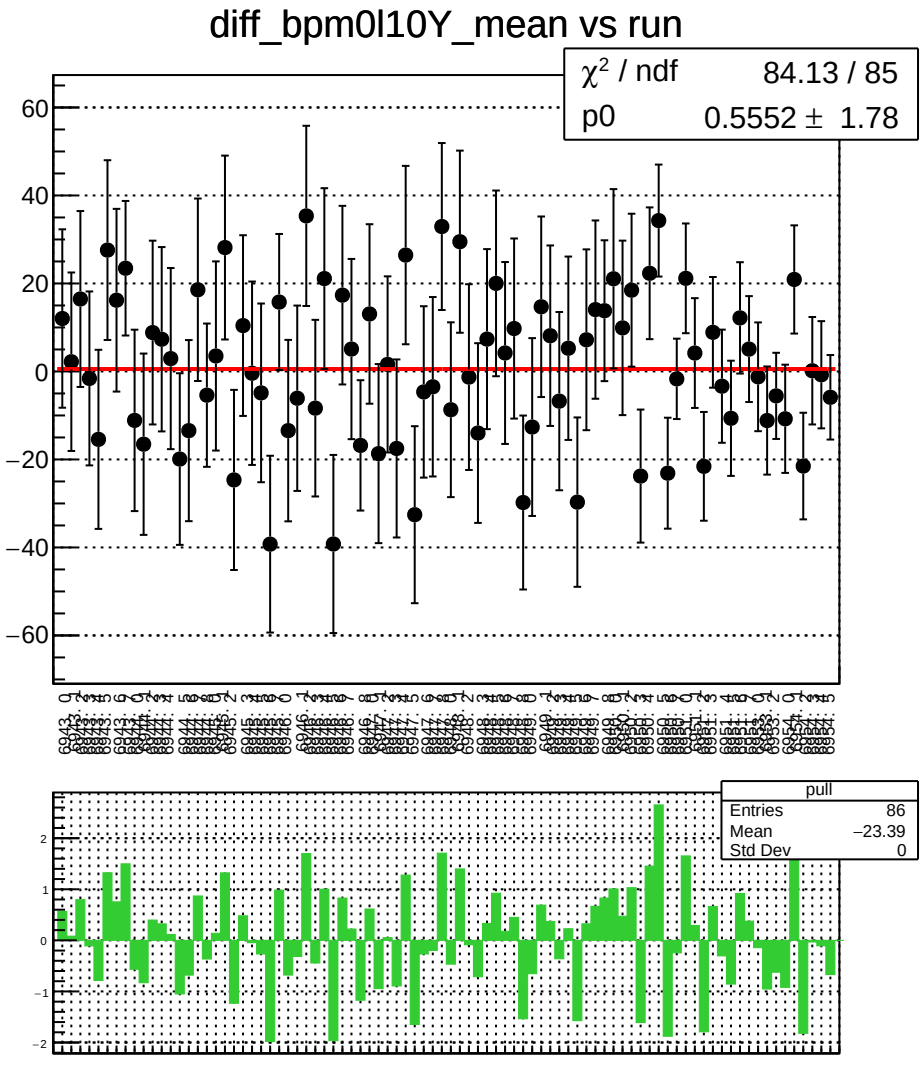

pull1D
Entries 86
Mean 0.001784
Std Dev 0.9527

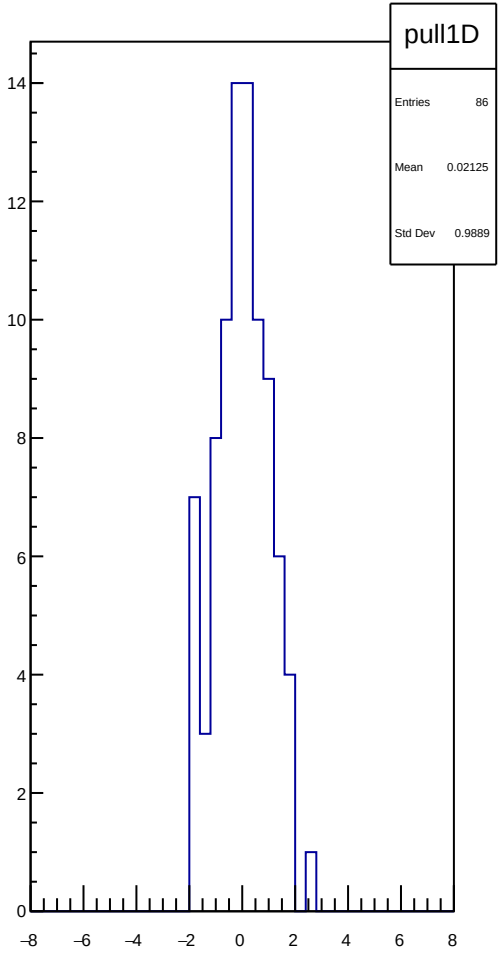

diff_bpm0l09Y_rms vs run
χ² / ndf 8.67e+04 / 85
p0 1597 ± 1.275
2000
1800
1600
1400
1200

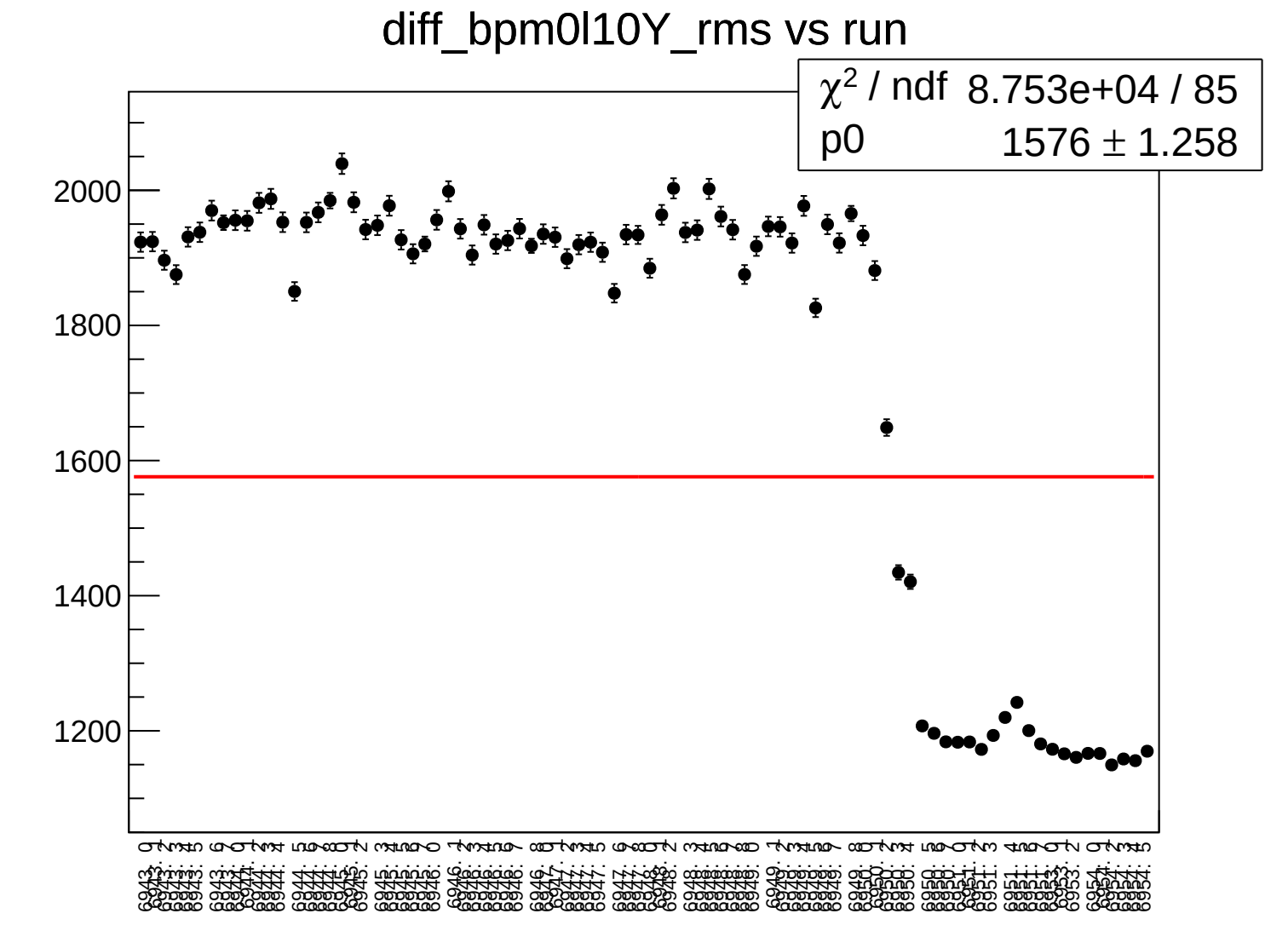

diff_bpm0l10X_mean vs run
χ² / ndf 84.14 / 85
p0 −5.243 ± 7.577
pull
Entries 86
Mean 177.5
Std Dev 0

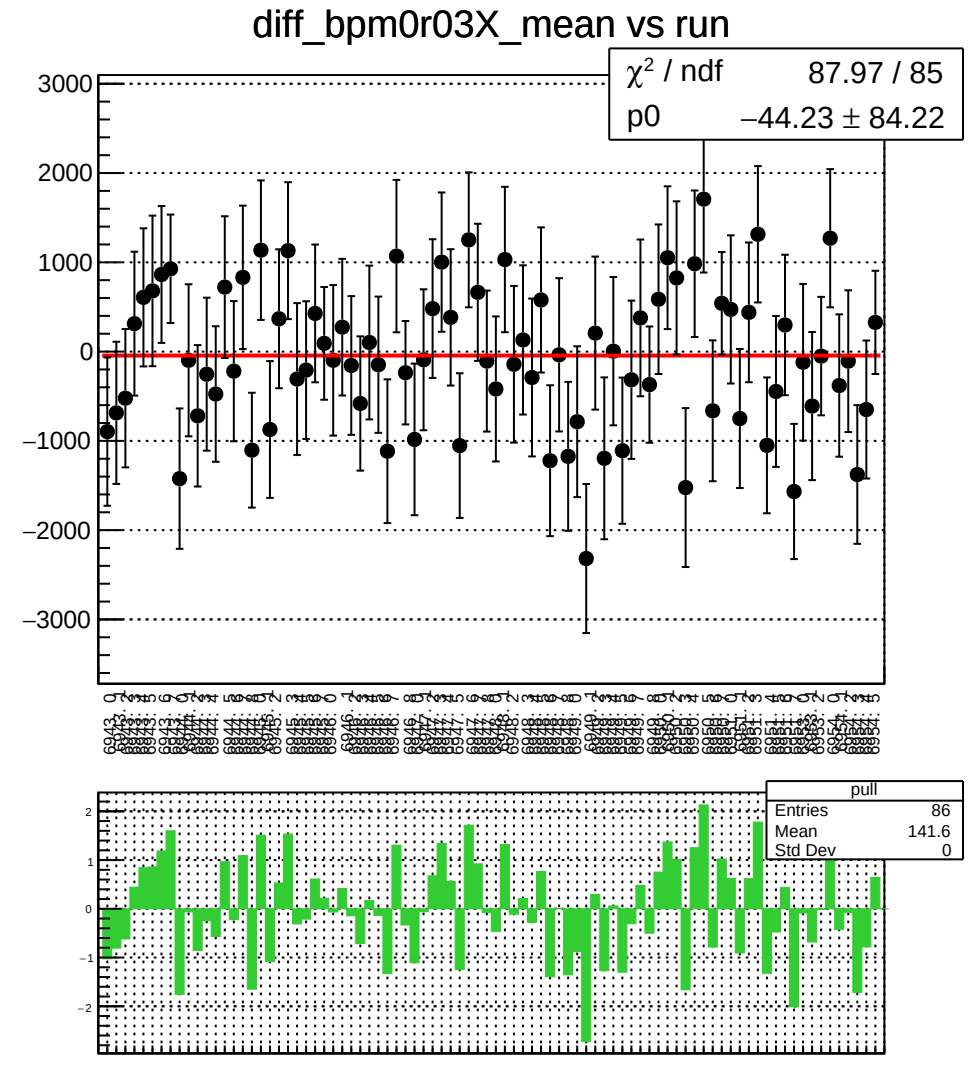

pull1D
Entries 86
Mean 0.01119
Std Dev 0.989

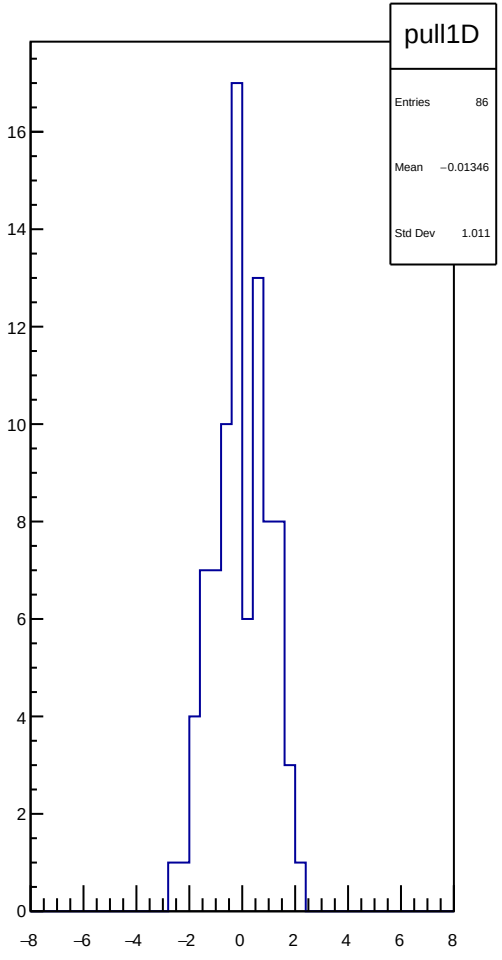

diff_bpm0l10X_rms vs run
χ^2 / ndf 7260 / 85
p0 6880 ± 5.358
9000
8500
8000
7500
7000
6500
6000
5500

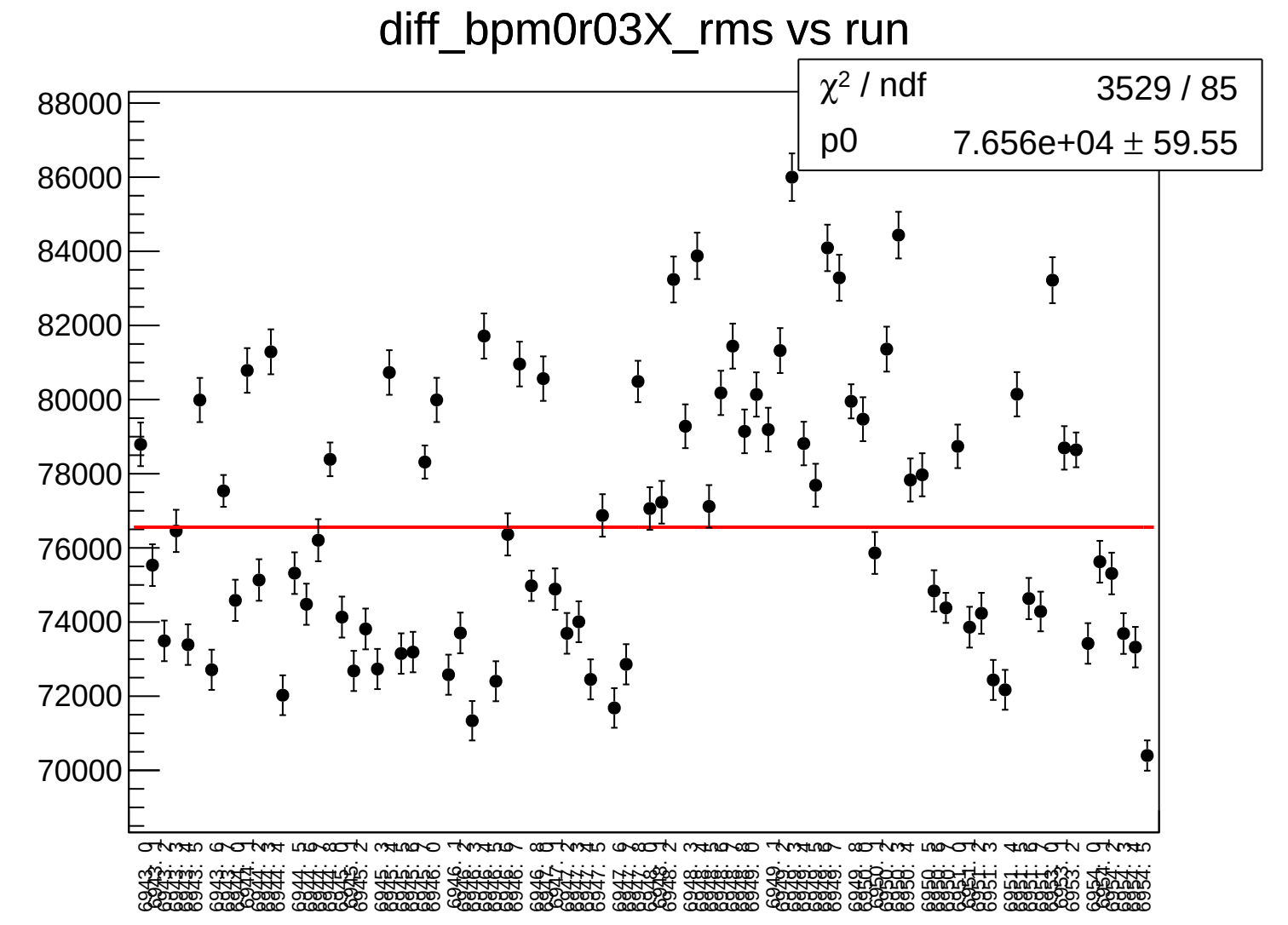

diff_bpm0l10Y_mean vs run
χ² / ndf 84.13 / 85
p0 0.5552 ± 1.78
pull
Entries 86
Mean −23.39
Std Dev 0

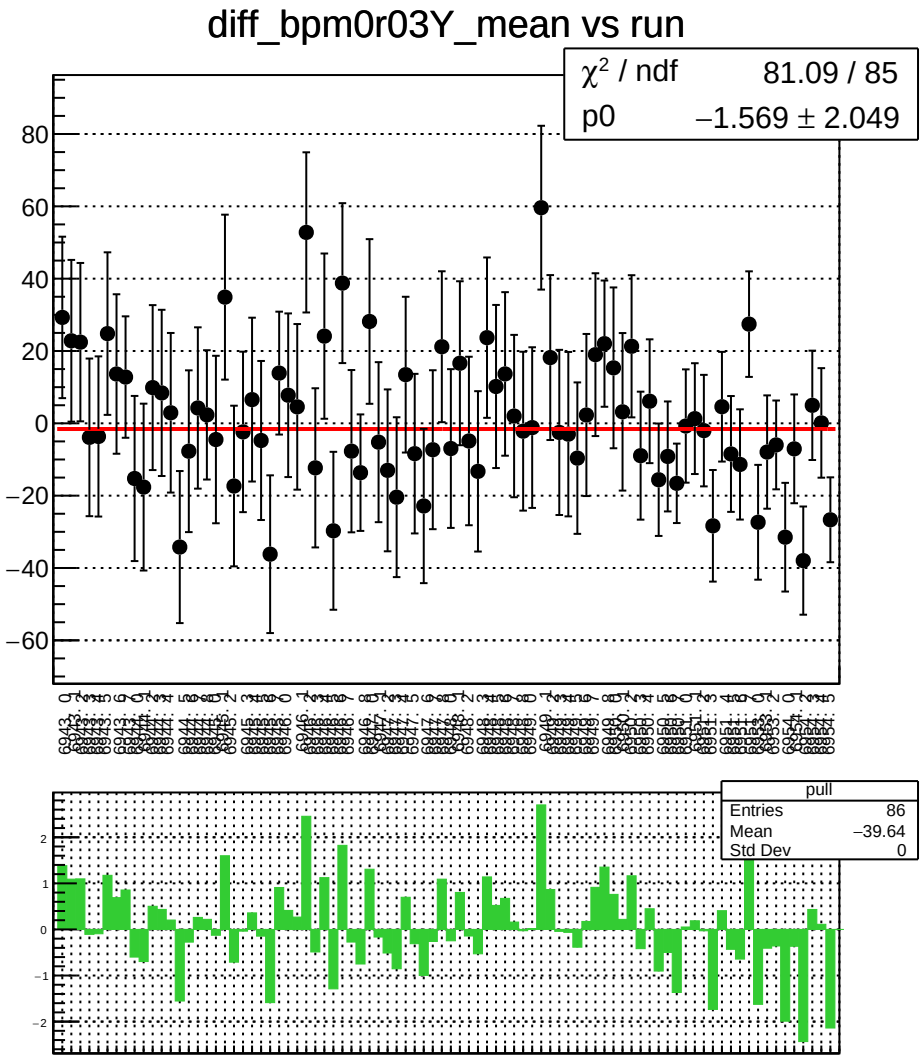

pull1D
Entries 86
Mean 0.02125
Std Dev 0.9889

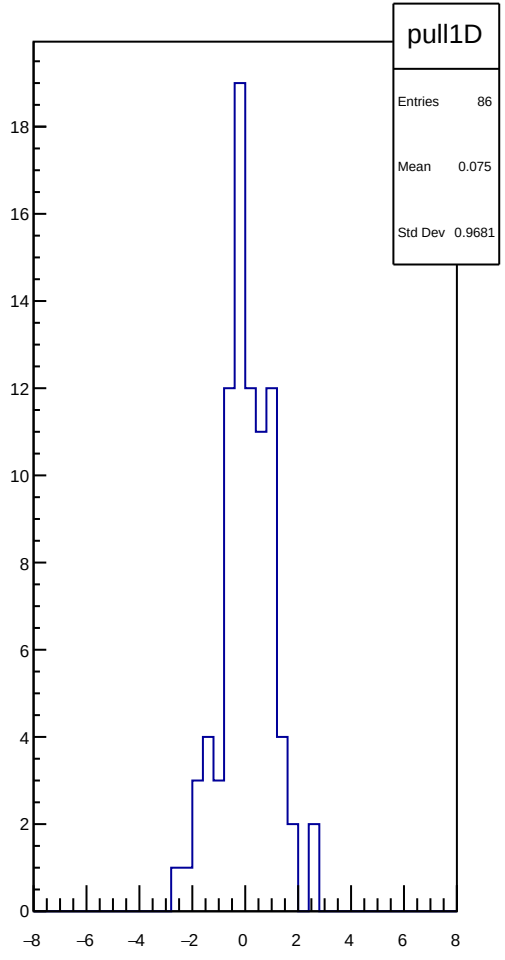

diff_bpm0l10Y_rms vs run
χ² / ndf 8.753e+04 / 85
p0 1576 ± 1.258
2000
1800
1600
1400
1200

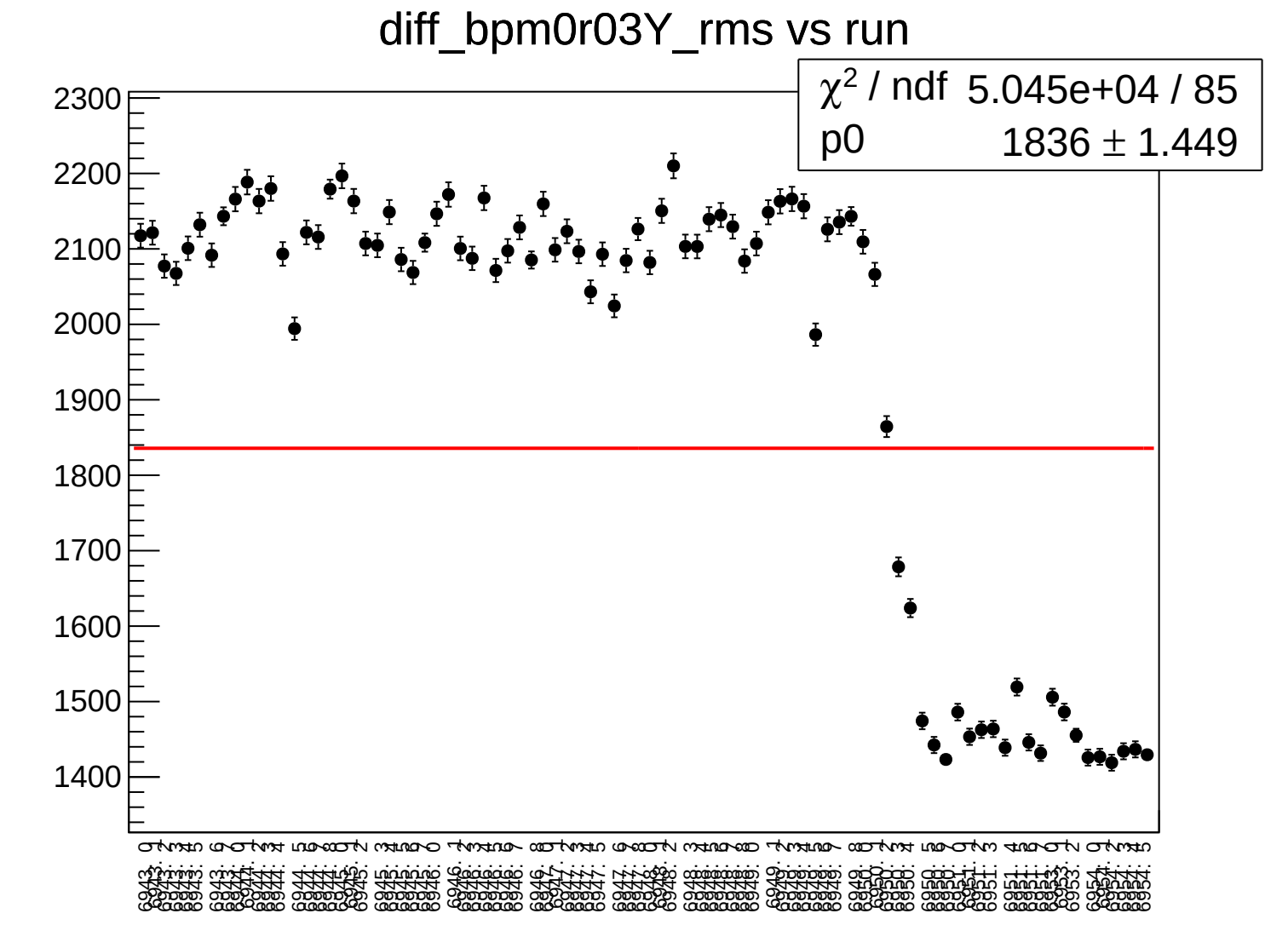

diff_bpm0r03X_mean vs run
χ² / ndf 87.97 / 85
p0 −44.23 ± 84.22
pull
Entries 86
Mean 141.6
Std Dev 0

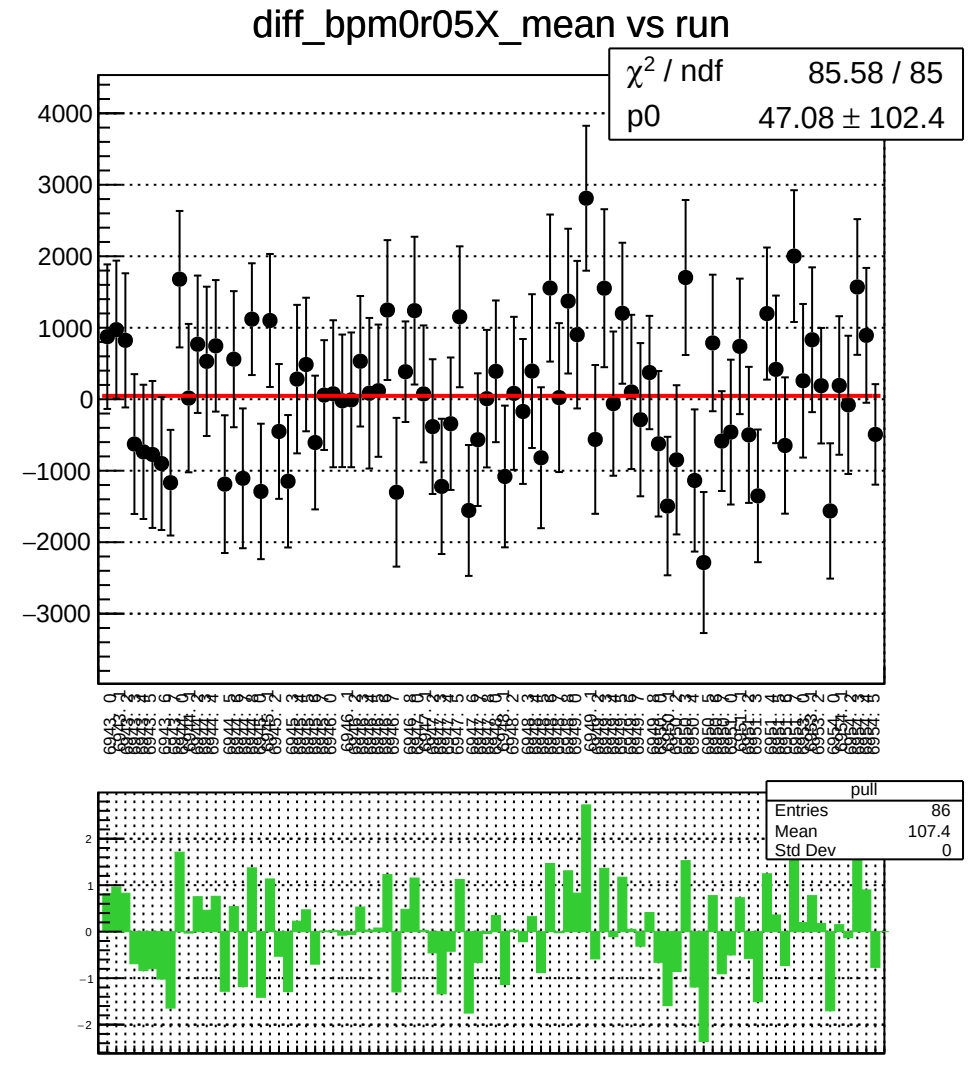

pull1D
Entries 86
Mean −0.01346
Std Dev 1.011

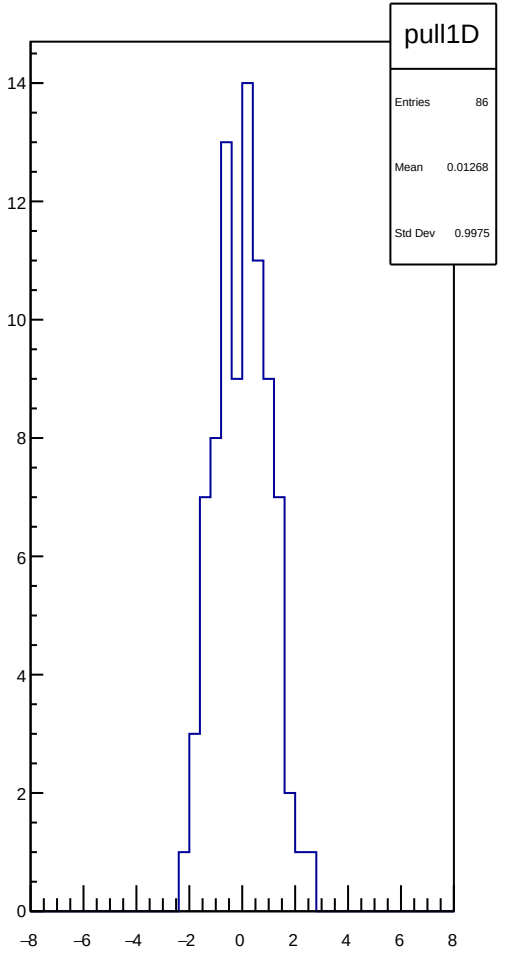

diff_bpm0r03X_rms vs run
χ² / ndf 3529 / 85
p0 7.656e+04 ± 59.55
88000
86000
84000
82000
80000
78000
76000
74000
72000
70000

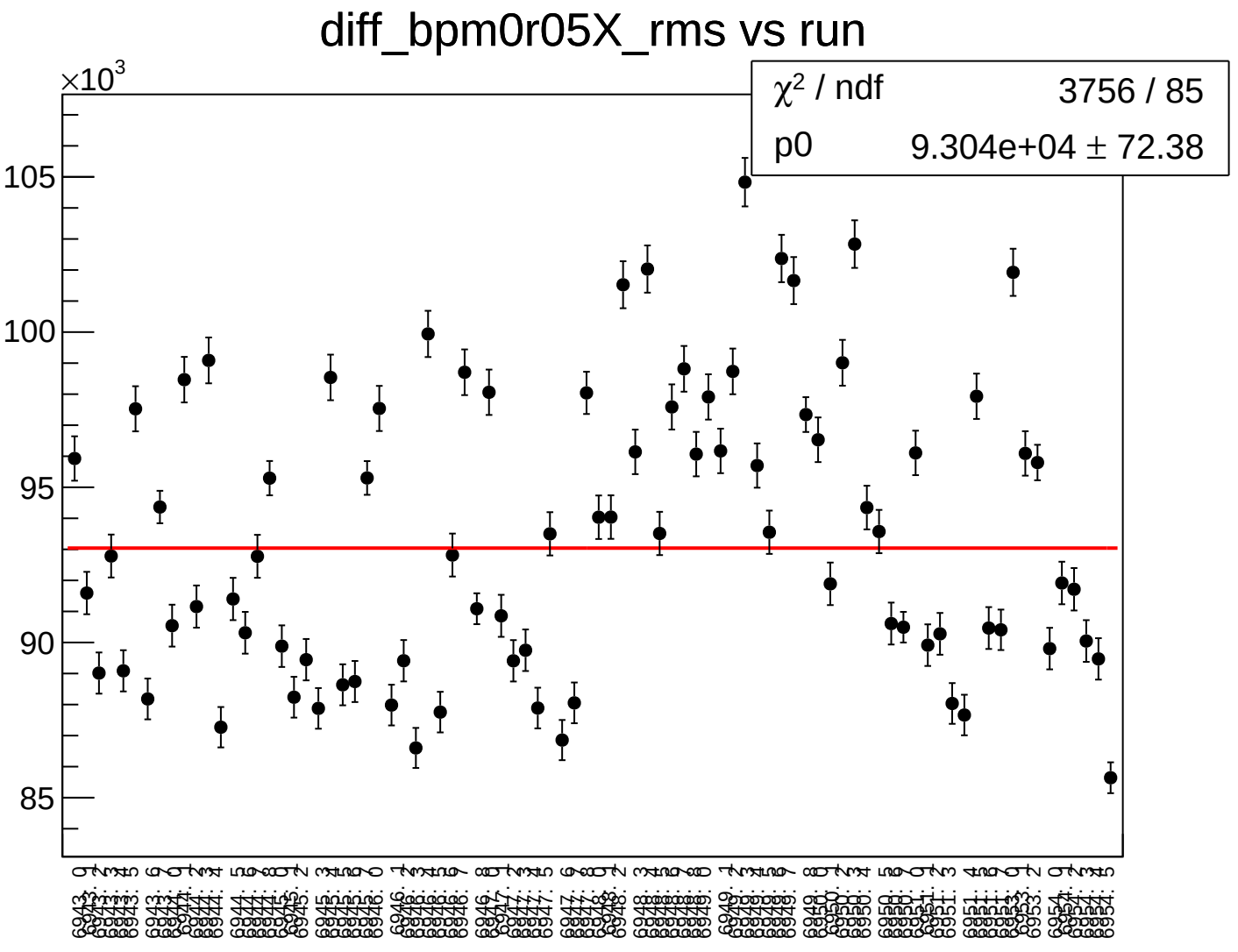

diff_bpm0r03Y_mean vs run
χ² / ndf 81.09 / 85
p0 −1.569 ± 2.049
pull
Entries 86
Mean −39.64
Std Dev 0

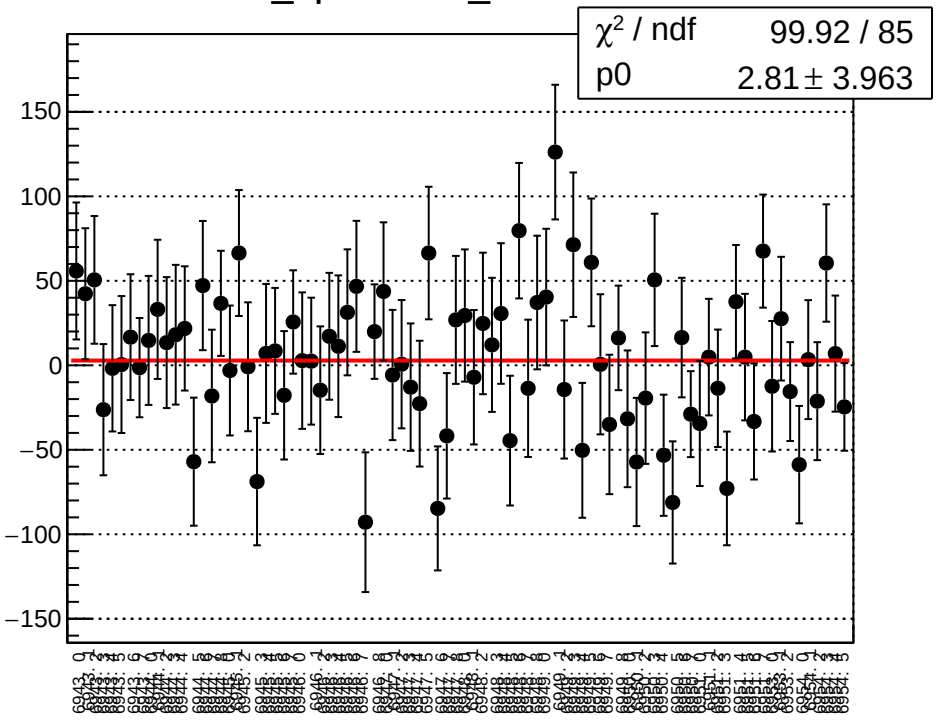

pull1D
Entries 86
Mean 0.075
Std Dev 0.9681

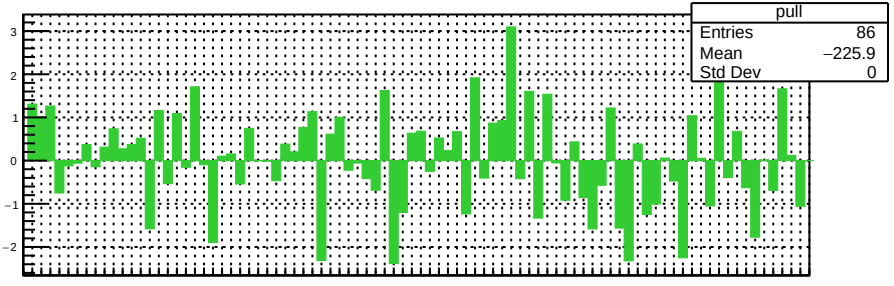

diff_bpm0r03Y_rms vs run
χ² / ndf 5.045e+04 / 85
p0 1836 ± 1.449
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

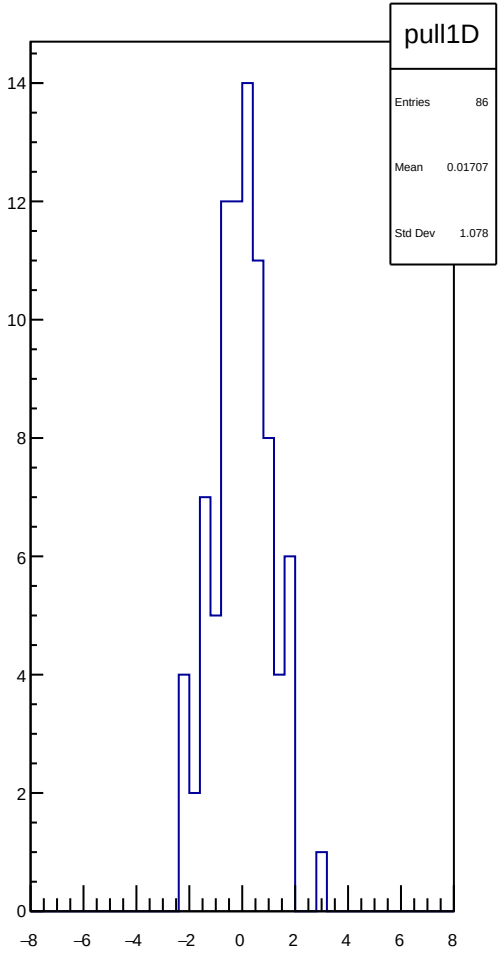

diff_bpm0r05X_mean vs run
χ^2 / ndf 85.58 / 85
p0 47.08 ± 102.4
pull
Entries 86
Mean 107.4
Std Dev 0

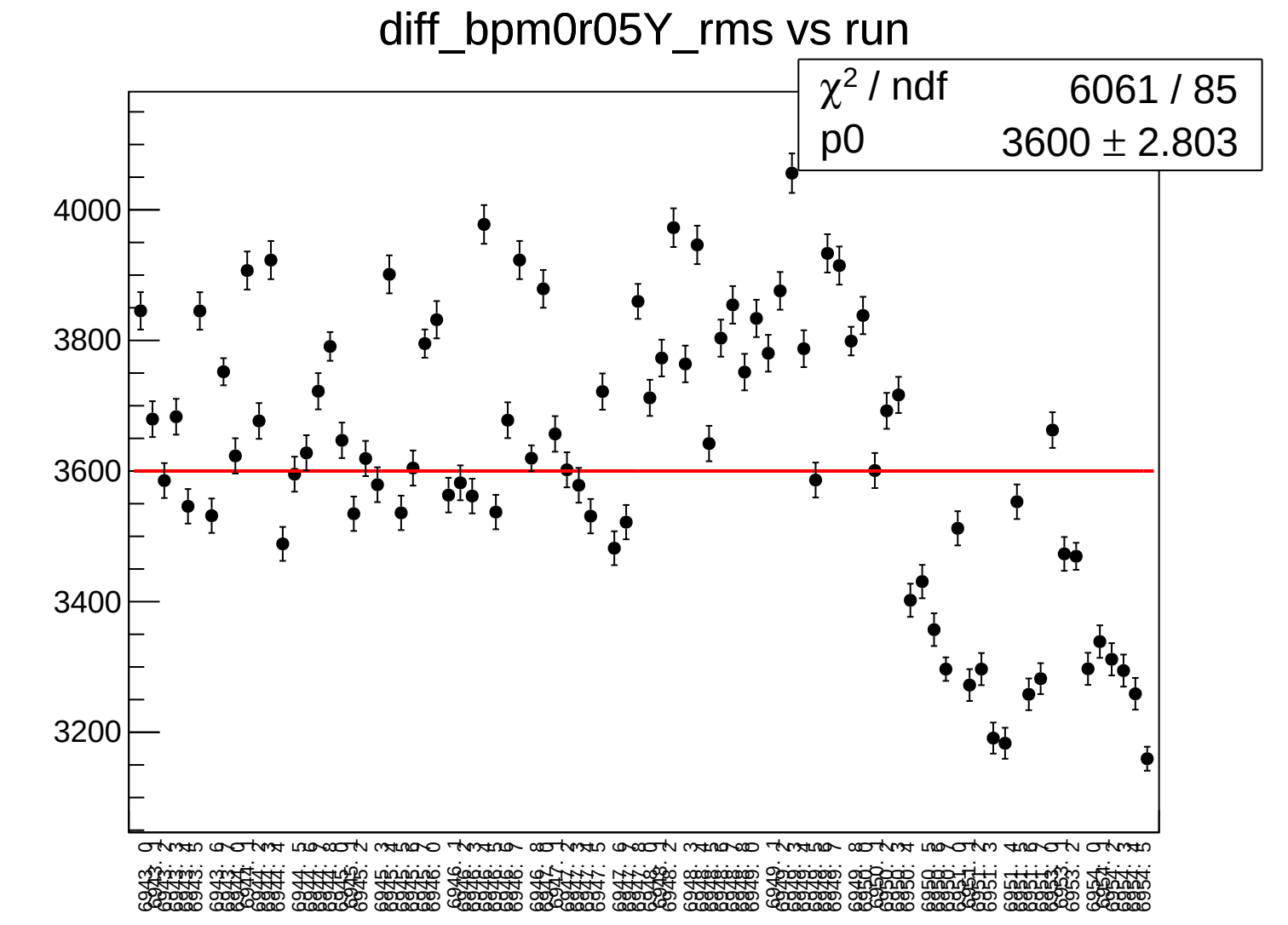

pull1D
Entries 86
Mean 0.01268
Std Dev 0.9975

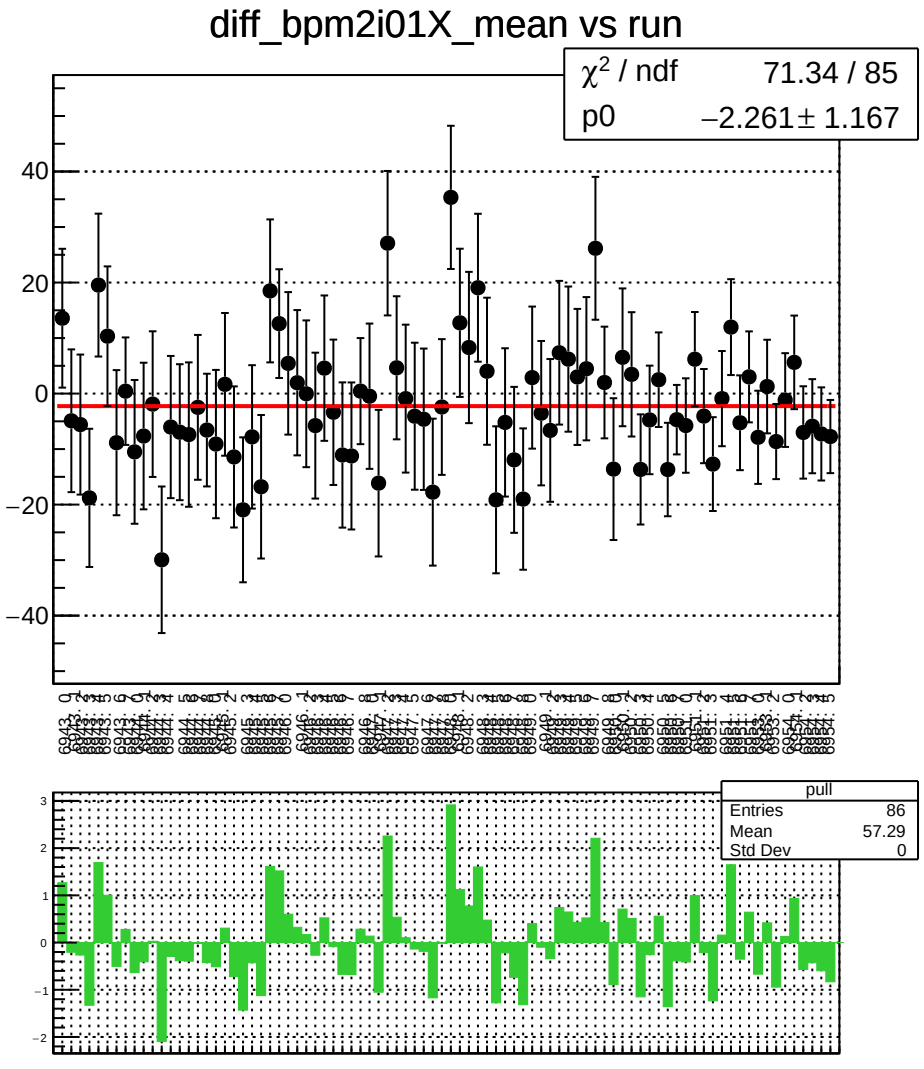

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 3756 / 85
p0 9.304e+04 ± 72.38
105
100
95
90
85

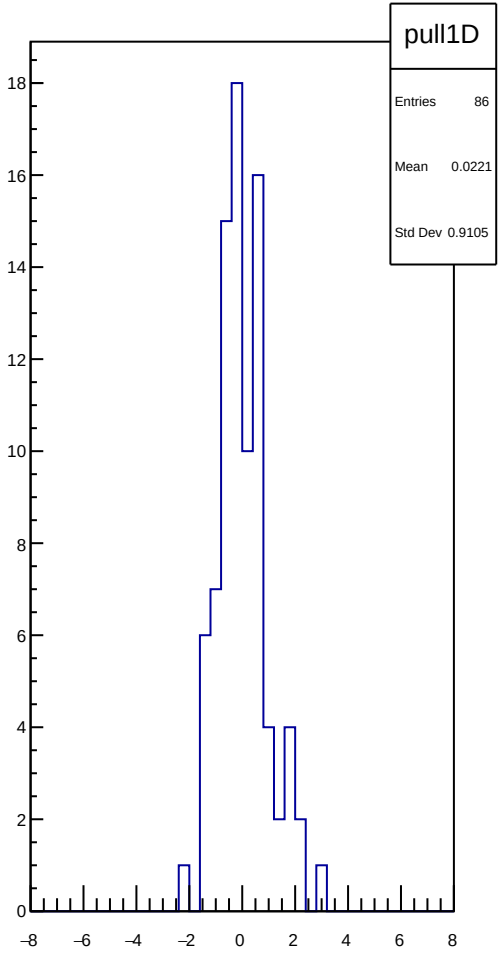

diff_bpm0r05Y_mean vs run
χ² / ndf 99.92 / 85
p0 2.81 ± 3.963

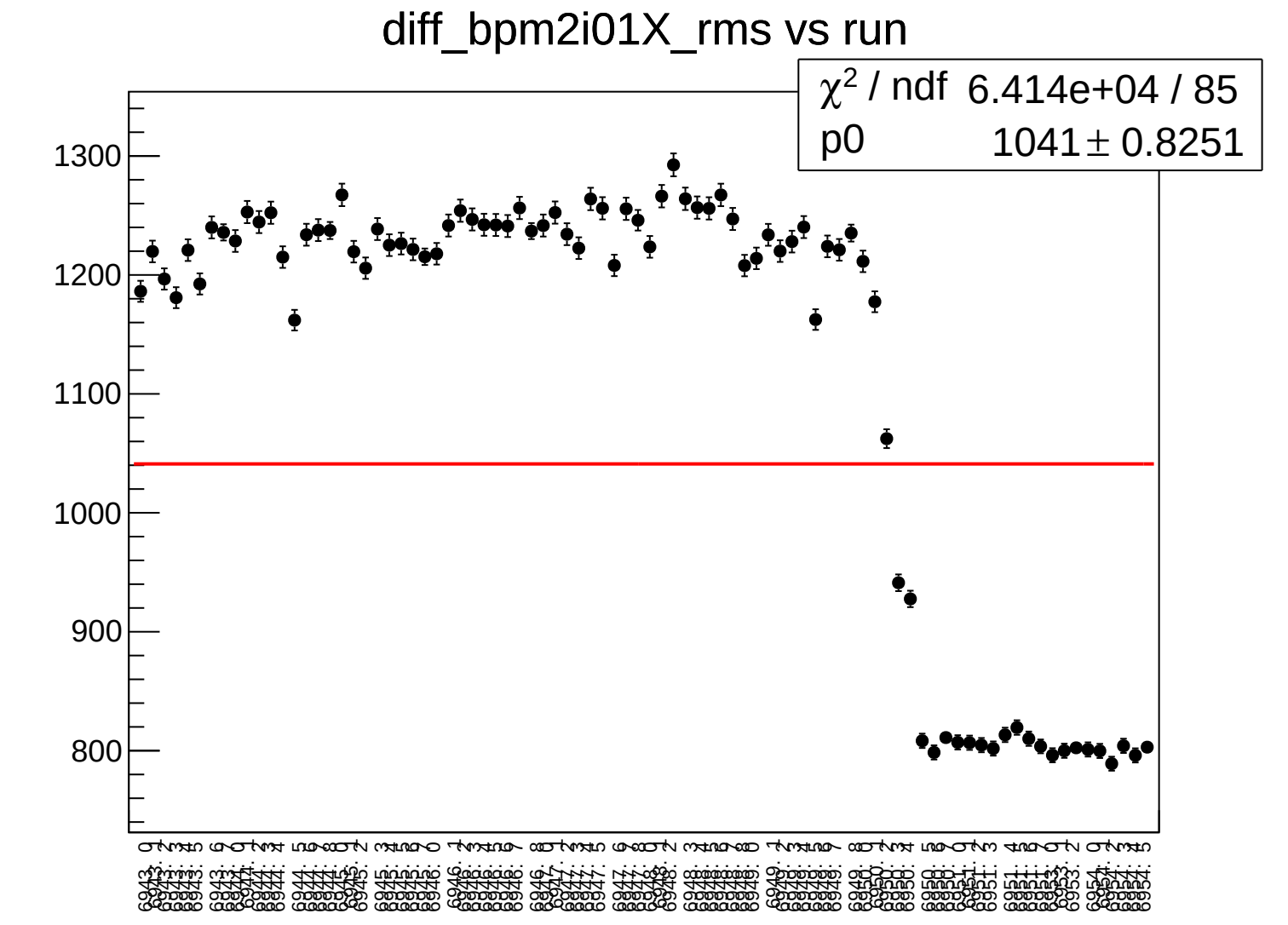

pull
Entries 86
Mean −225.9
Std Dev 0

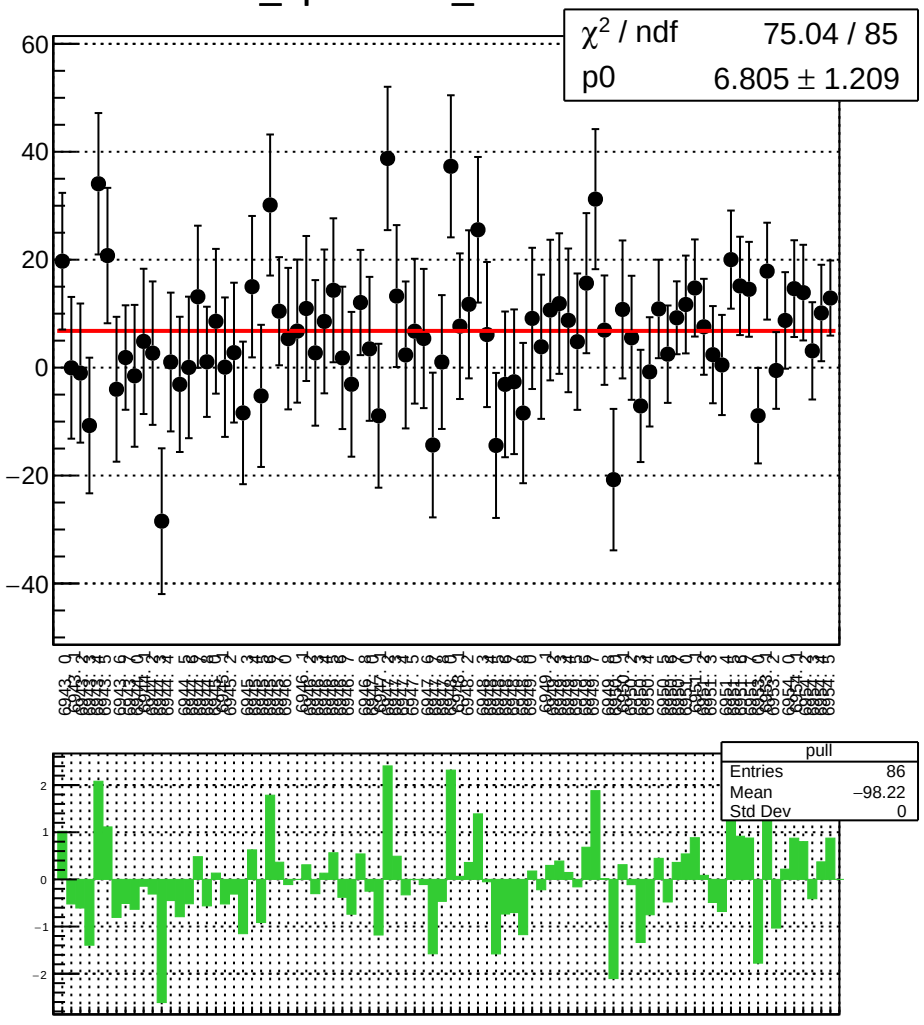

pull1D
Entries 86
Mean 0.01707
Std Dev 1.078

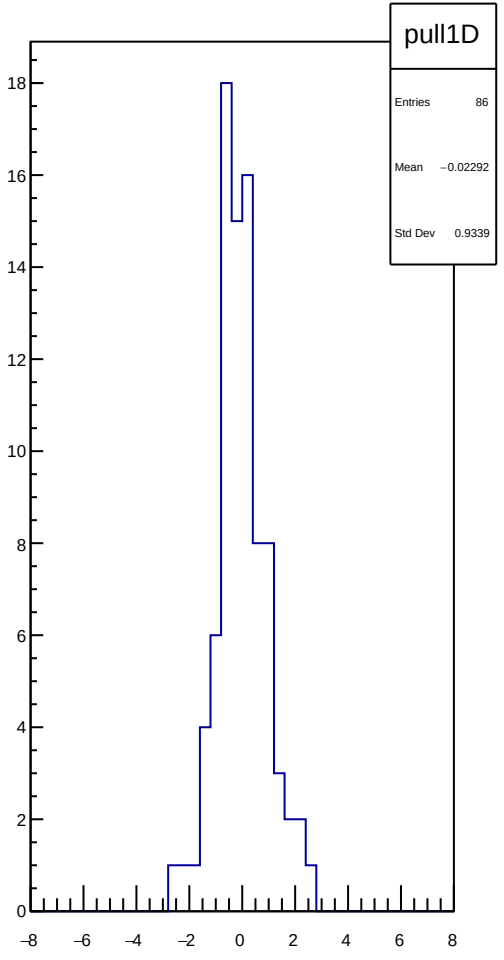

diff_bpm0r05Y_rms vs run
χ^2 / ndf 6061 / 85
p0 3600 ± 2.803
4000
3800
3600
3400
3200

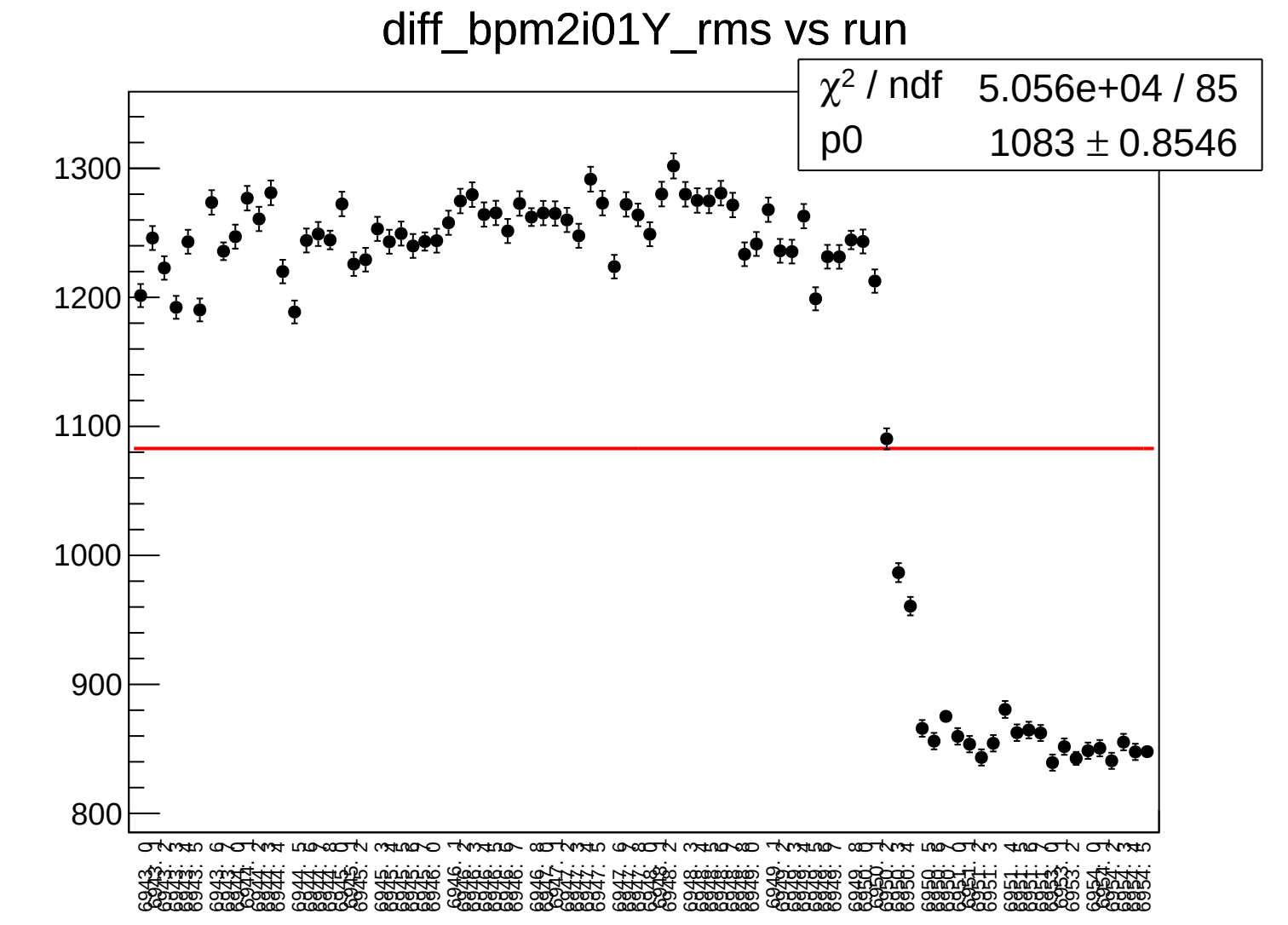

diff_bpm2i01X_mean vs run
χ² / ndf 71.34 / 85
p0 −2.261± 1.167
pull
Entries 86
Mean 57.29
Std Dev 0

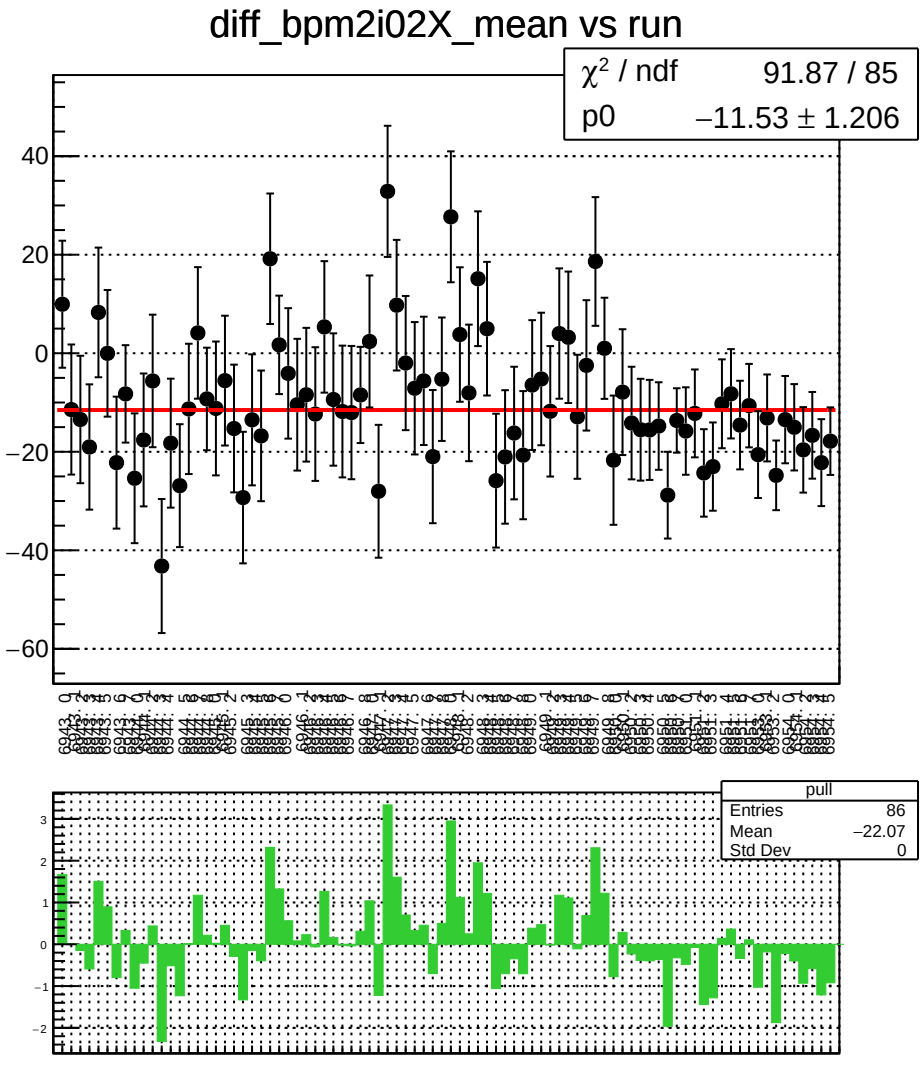

pull1D
Entries 86
Mean 0.0221
Std Dev 0.9105

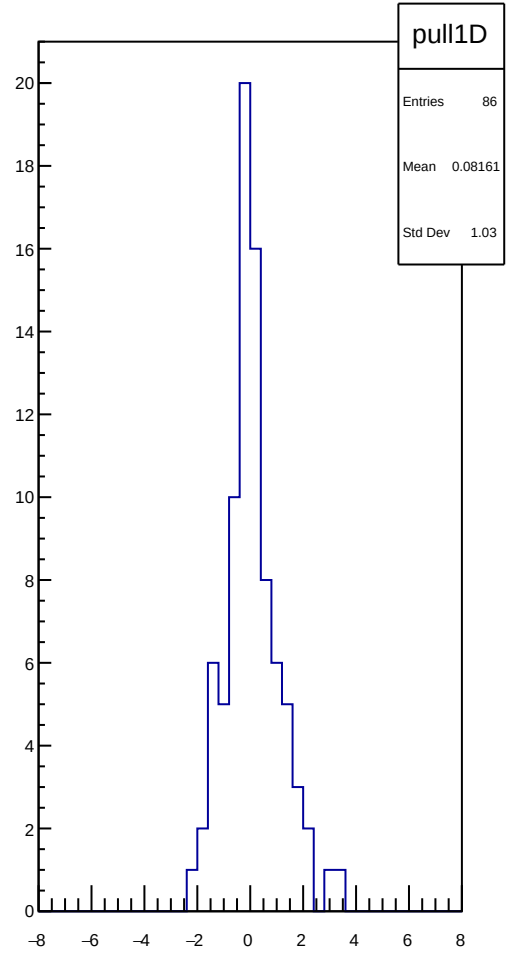

diff_bpm2i01X_rms vs run
χ² / ndf 6.414e+04 / 85
p0 1041 ± 0.8251
1300
1200
1100
1000
900
800

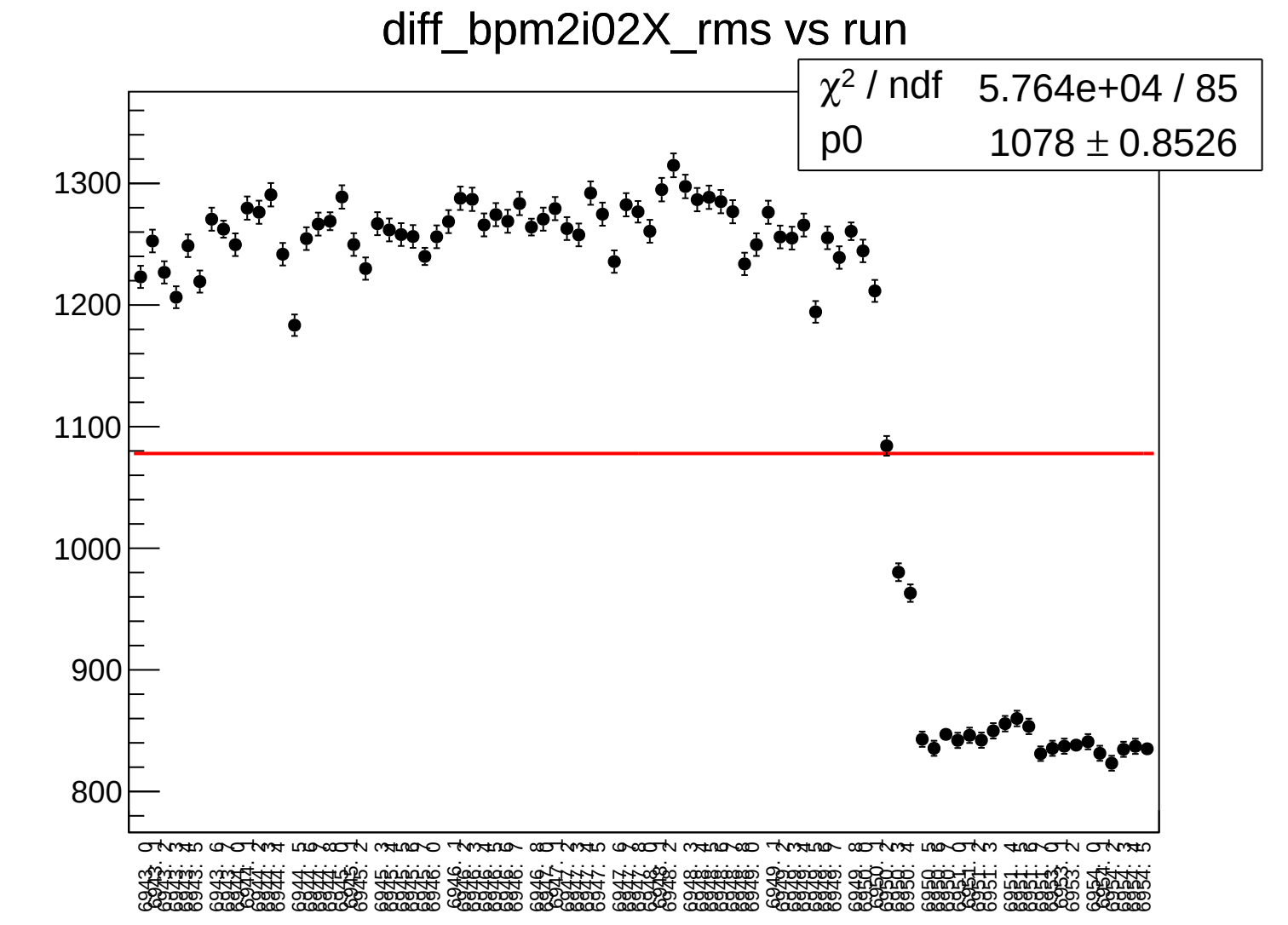

diff_bpm2i01Y_mean vs run
χ² / ndf 75.04 / 85
p0 6.805 ± 1.209
pull
Entries 86
Mean −98.22
Std Dev 0

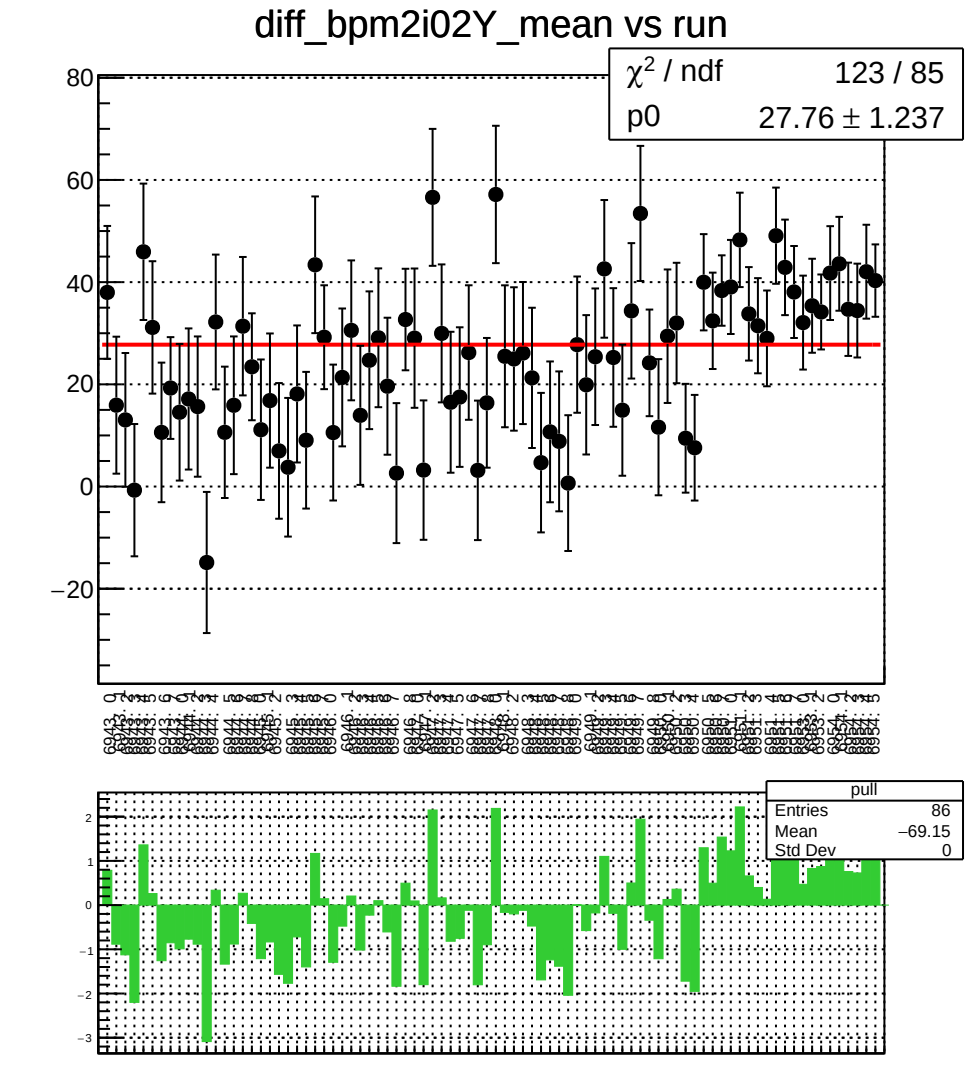

pull1D
Entries 86
Mean −0.02292
Std Dev 0.9339

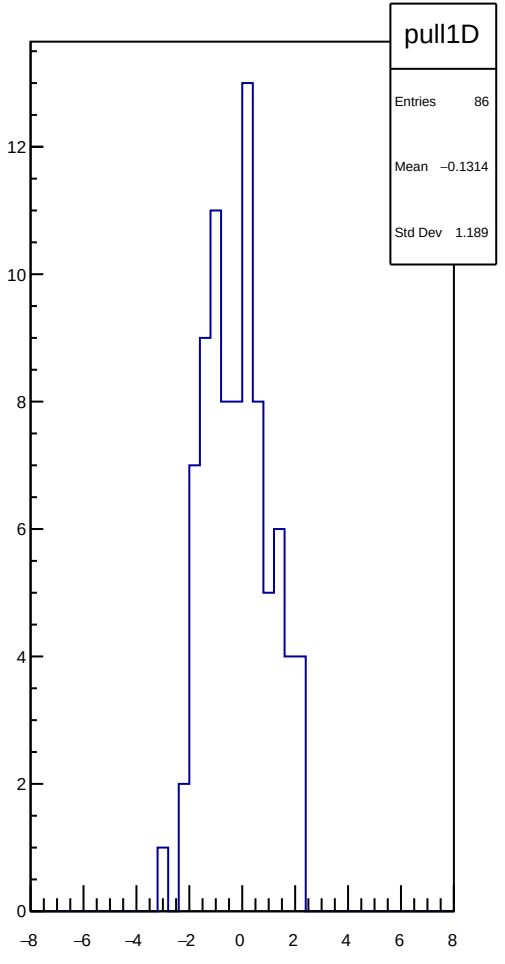

diff_bpm2i01Y_rms vs run
χ² / ndf 5.056e+04 / 85
p0 1083 ± 0.8546
1300
1200
1100
1000
900
800

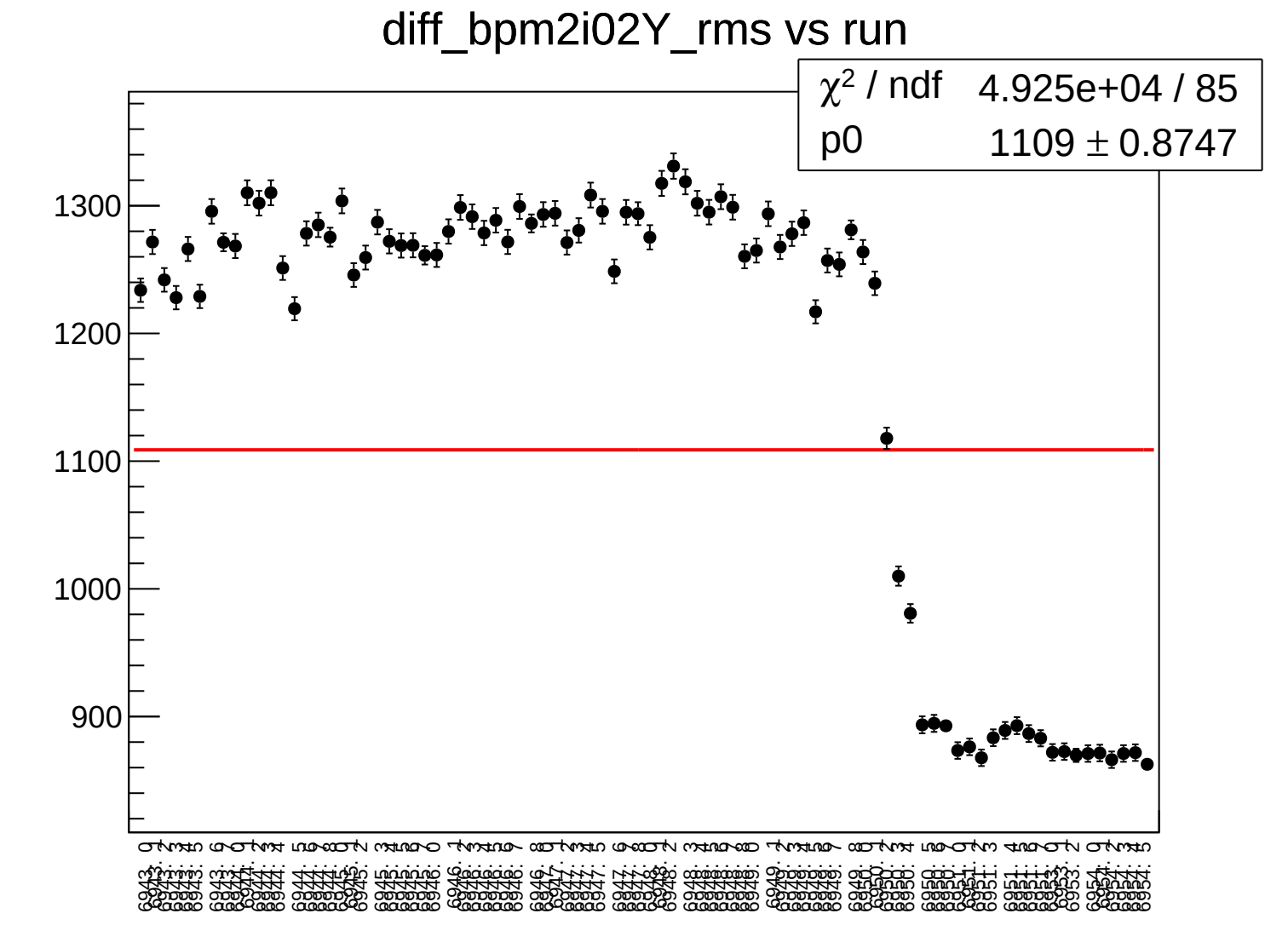

diff_bpm2i02X_mean vs run
χ² / ndf 91.87 / 85
p0 −11.53 ± 1.206
pull
Entries 86
Mean −22.07
Std Dev 0

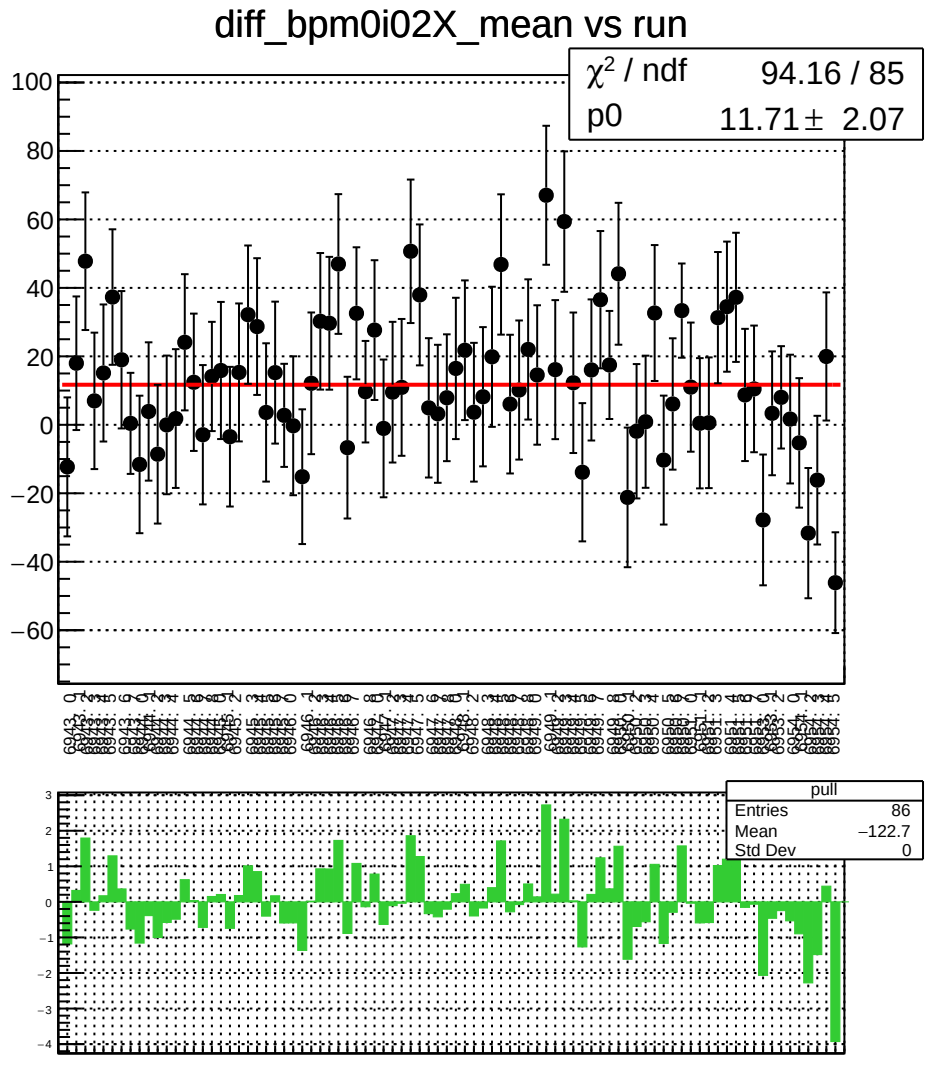

pull1D
Entries 86
Mean 0.08161
Std Dev 1.03

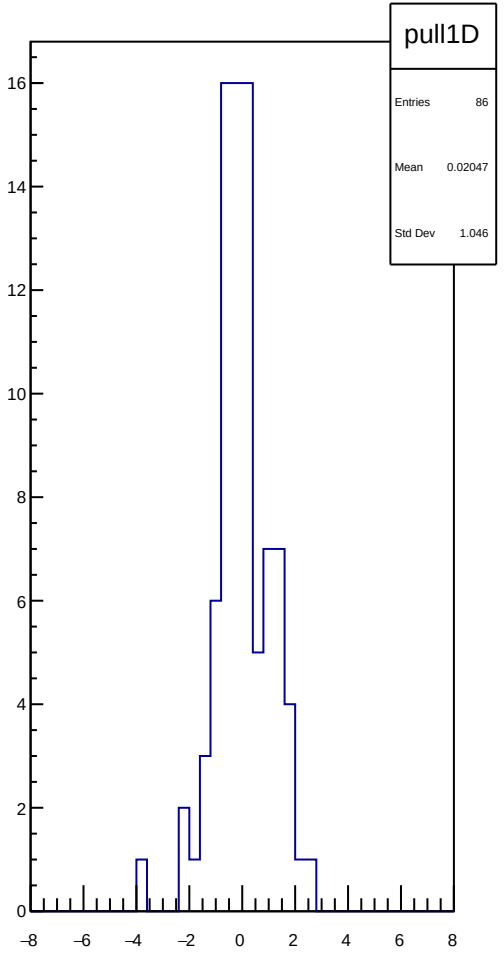

diff_bpm2i02X_rms vs run
χ² / ndf 5.764e+04 / 85
p0 1078 ± 0.8526
1300
1200
1100
1000
900
800

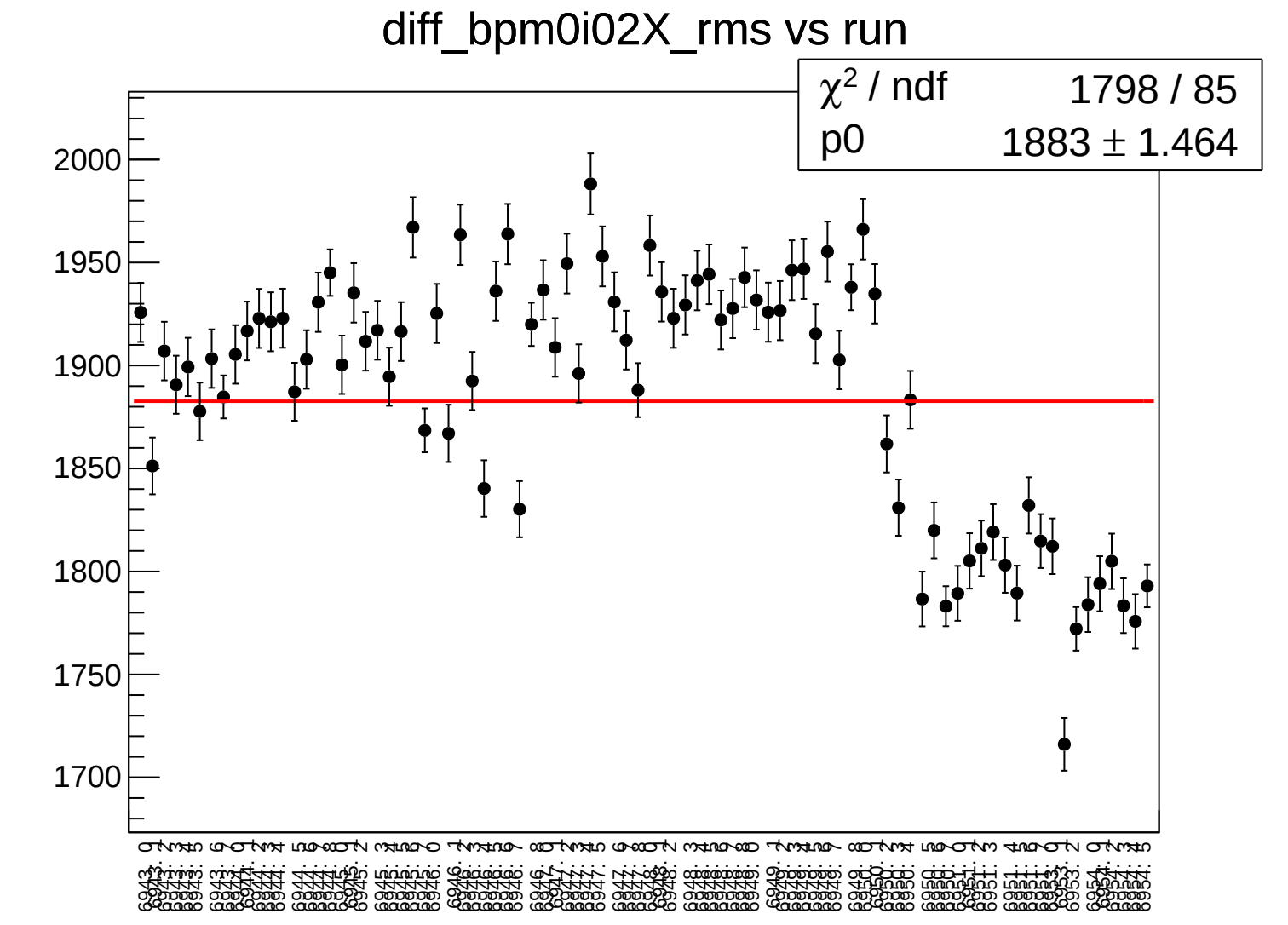

diff_bpm2i02Y_mean vs run
χ^2 / ndf 123 / 85
p0 27.76 ± 1.237
pull
Entries 86
Mean −69.15
Std Dev 0

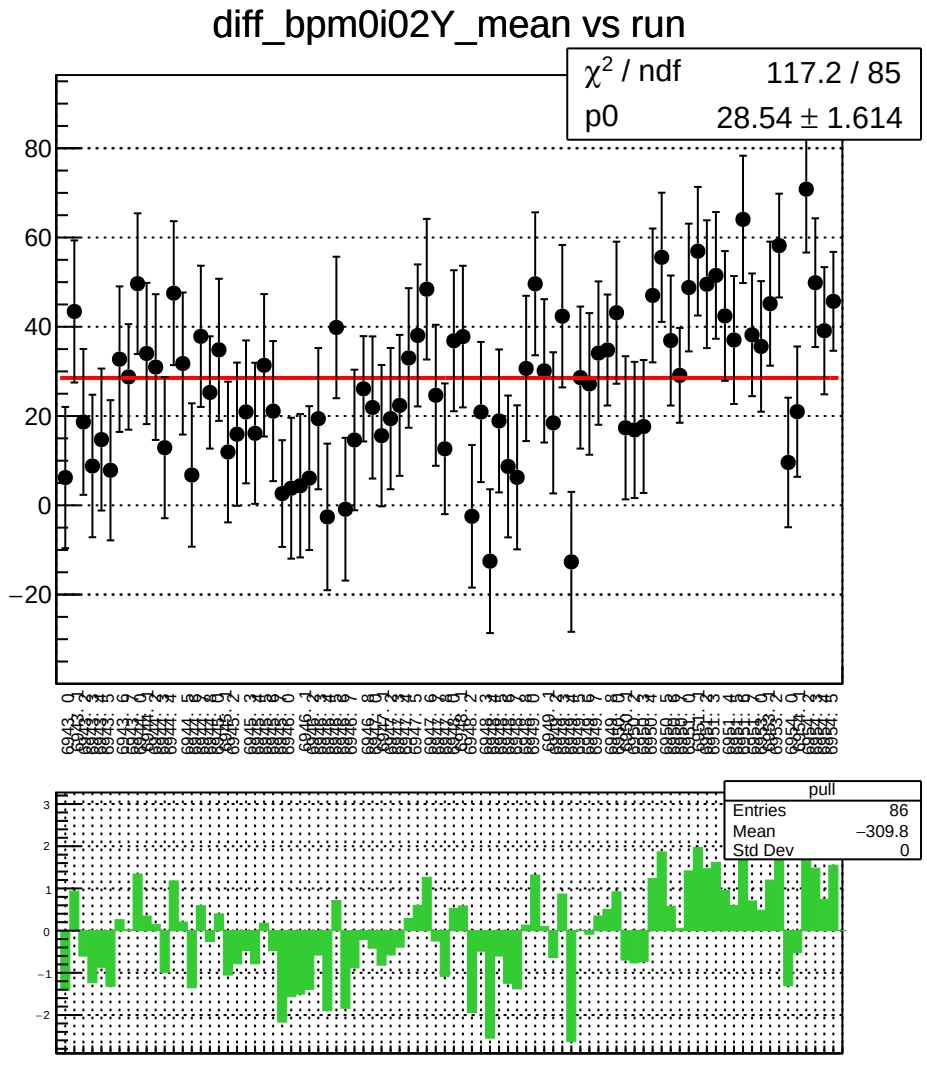

pull1D
Entries 86
Mean −0.1314
Std Dev 1.189

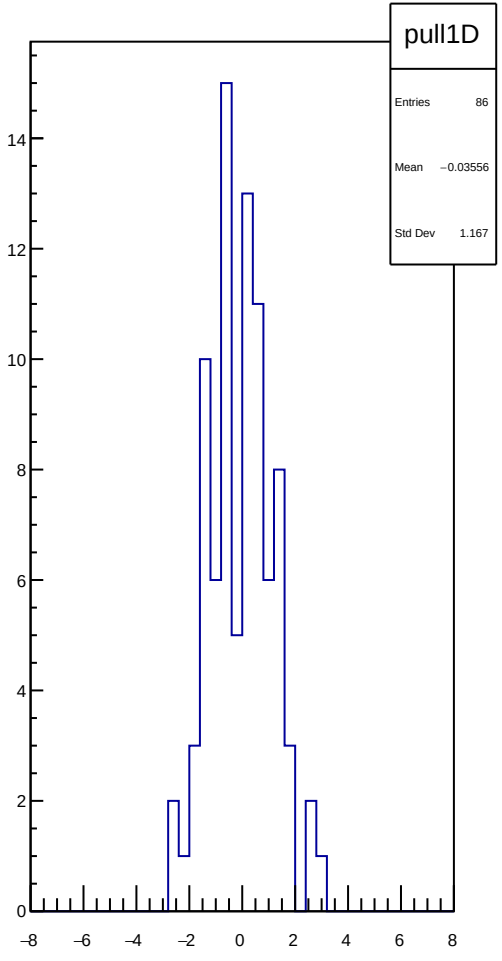

diff_bpm2i02Y_rms vs run
χ² / ndf 4.925e+04 / 85
p0 1109 ± 0.8747
1300
1200
1100
1000
900

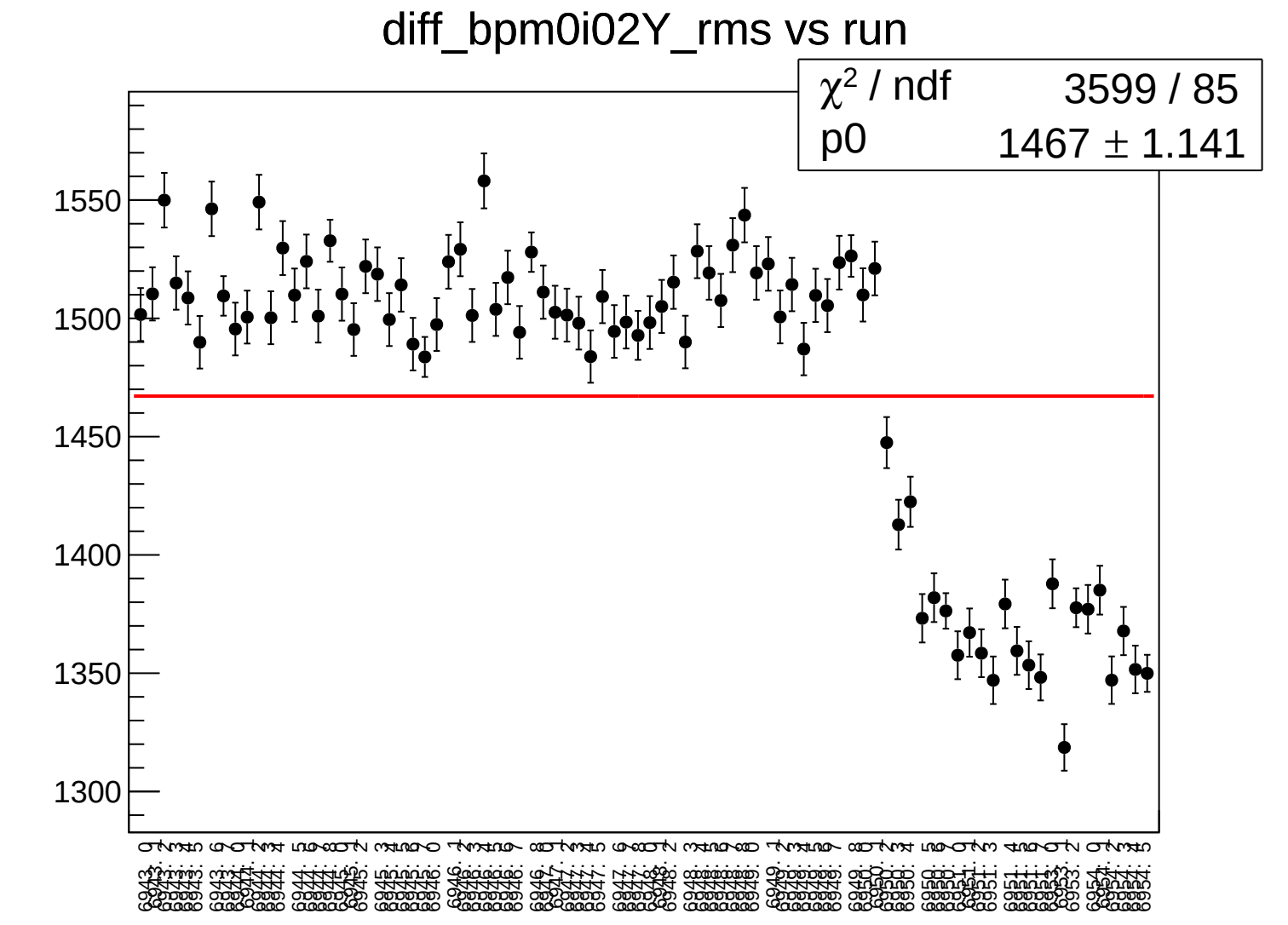

diff_bpm0i02X_mean vs run
χ² / ndf 94.16 / 85
p0 11.71 ± 2.07
pull
Entries 86
Mean −122.7
Std Dev 0

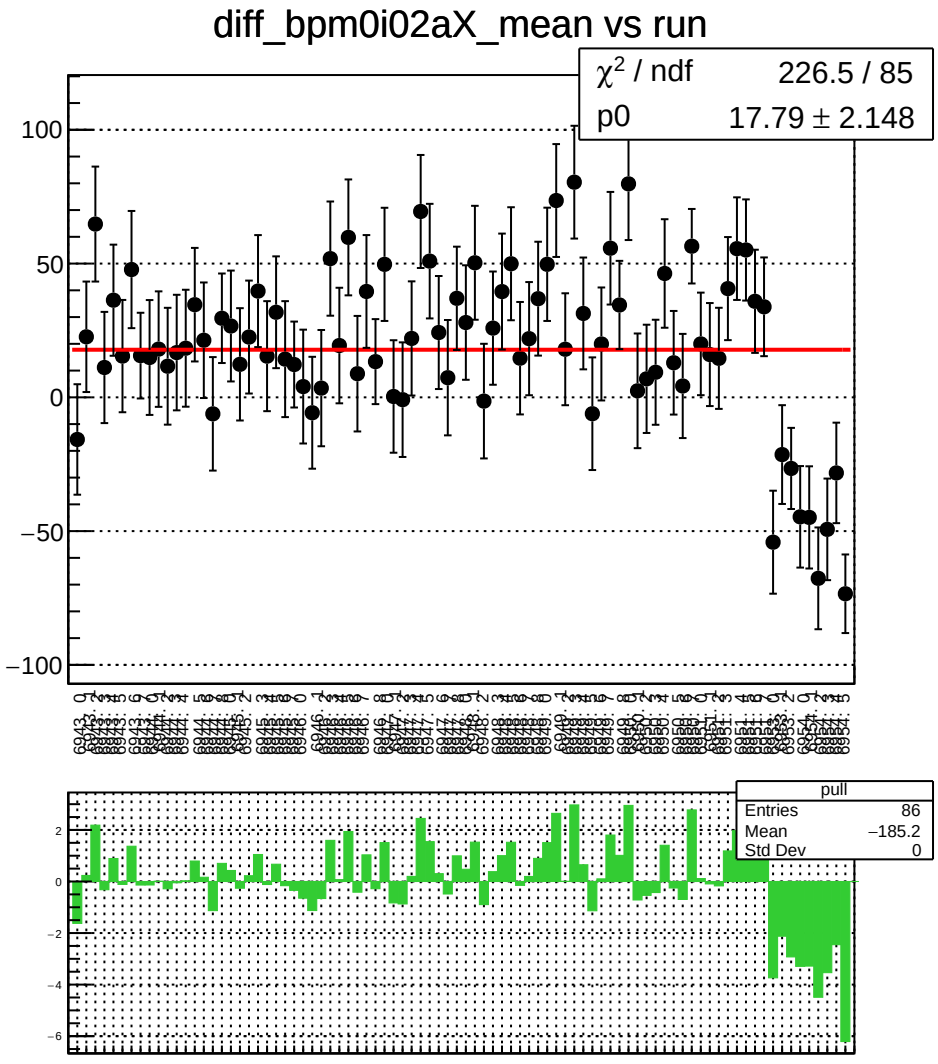

pull1D
Entries 86
Mean 0.02047
Std Dev 1.046

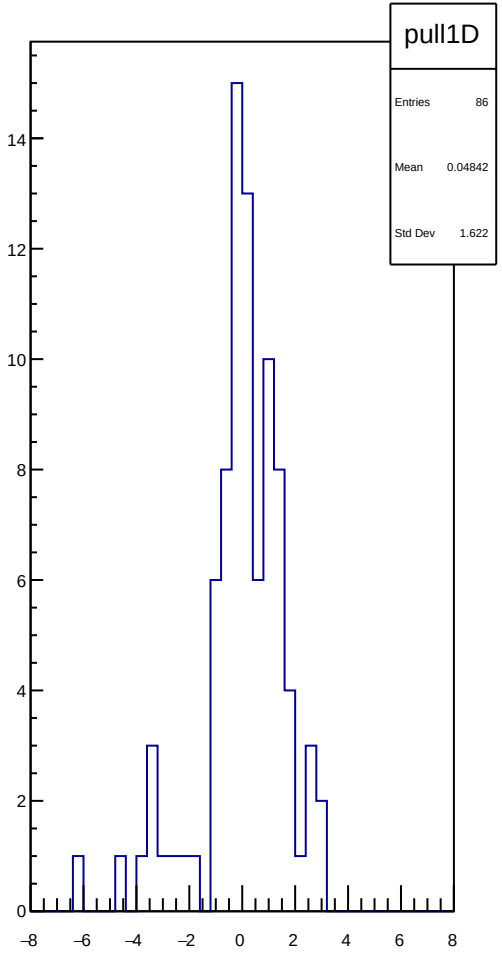

diff_bpm0i02X_rms vs run
χ² / ndf 1798 / 85
p0 1883 ± 1.464
2000
1950
1900
1850
1800
1750
1700

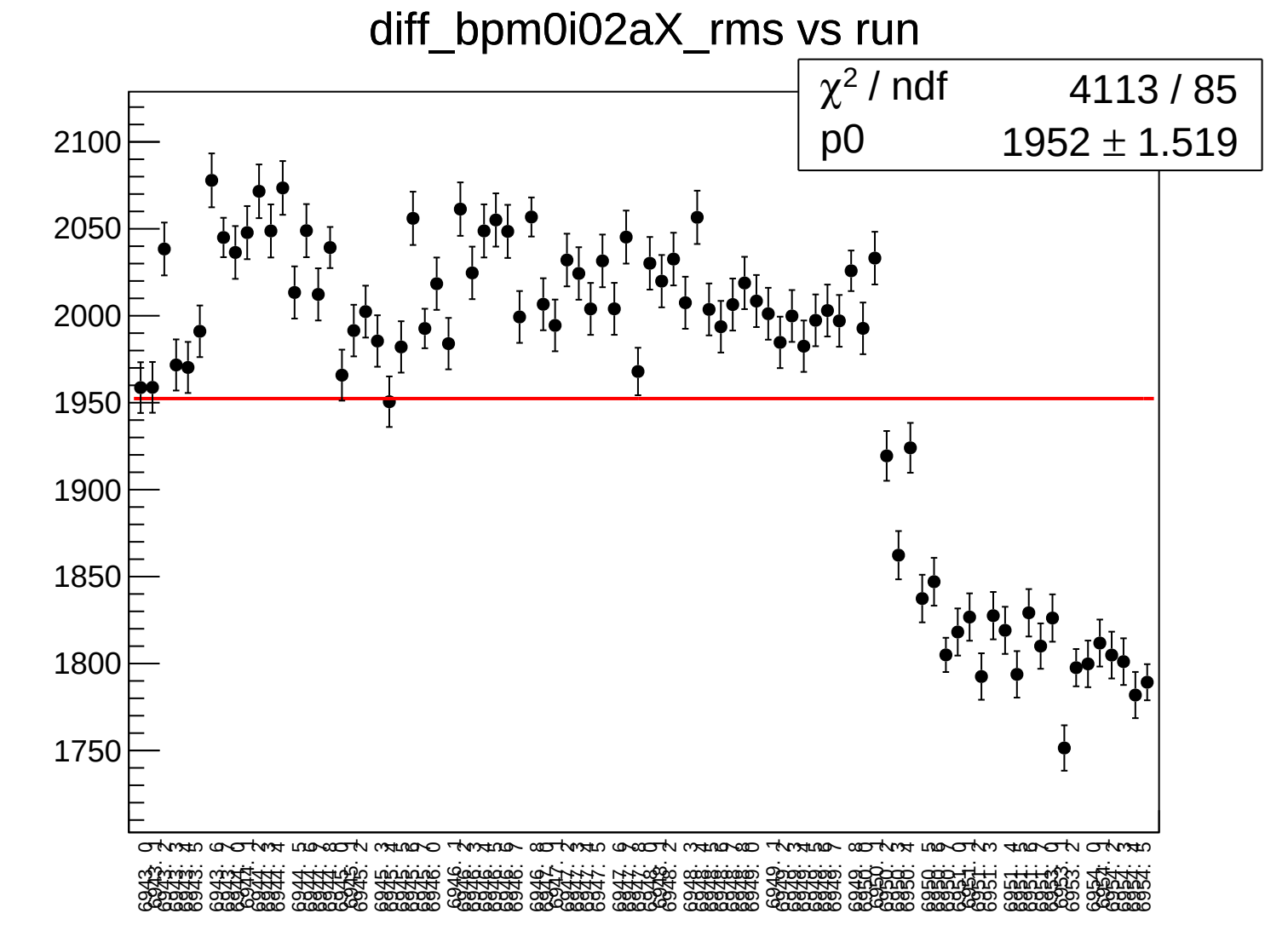

diff_bpm0i02Y_mean vs run
χ^2 / ndf 117.2 / 85
p0 28.54 ± 1.614
pull
Entries 86
Mean −309.8
Std Dev 0

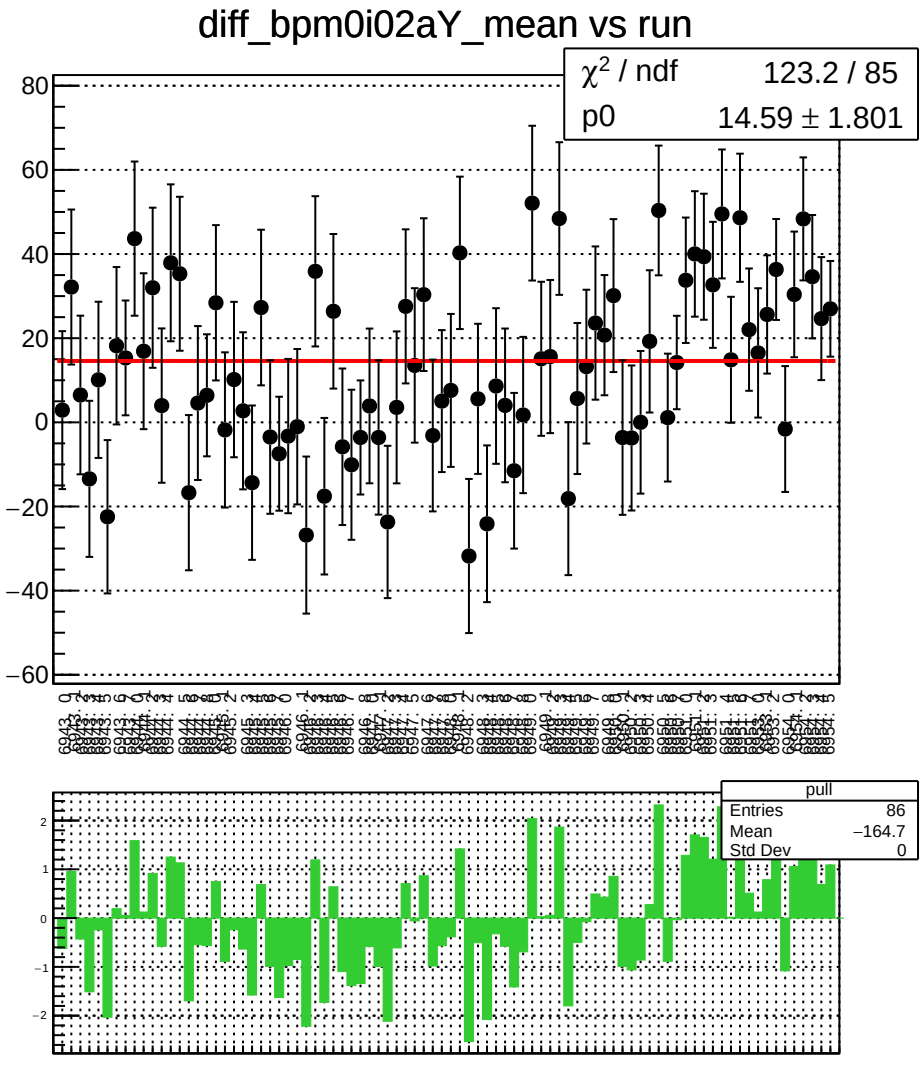

pull1D
Entries 86
Mean −0.03556
Std Dev 1.167

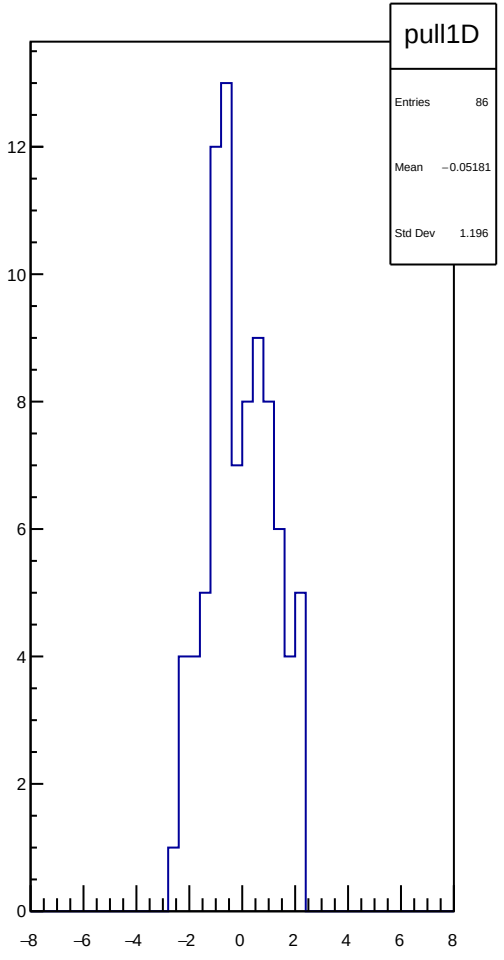

diff_bpm0i02Y_rms vs run
χ^2 / ndf 3599 / 85
p0 1467 ± 1.141
1550
1500
1450
1400
1350
1300

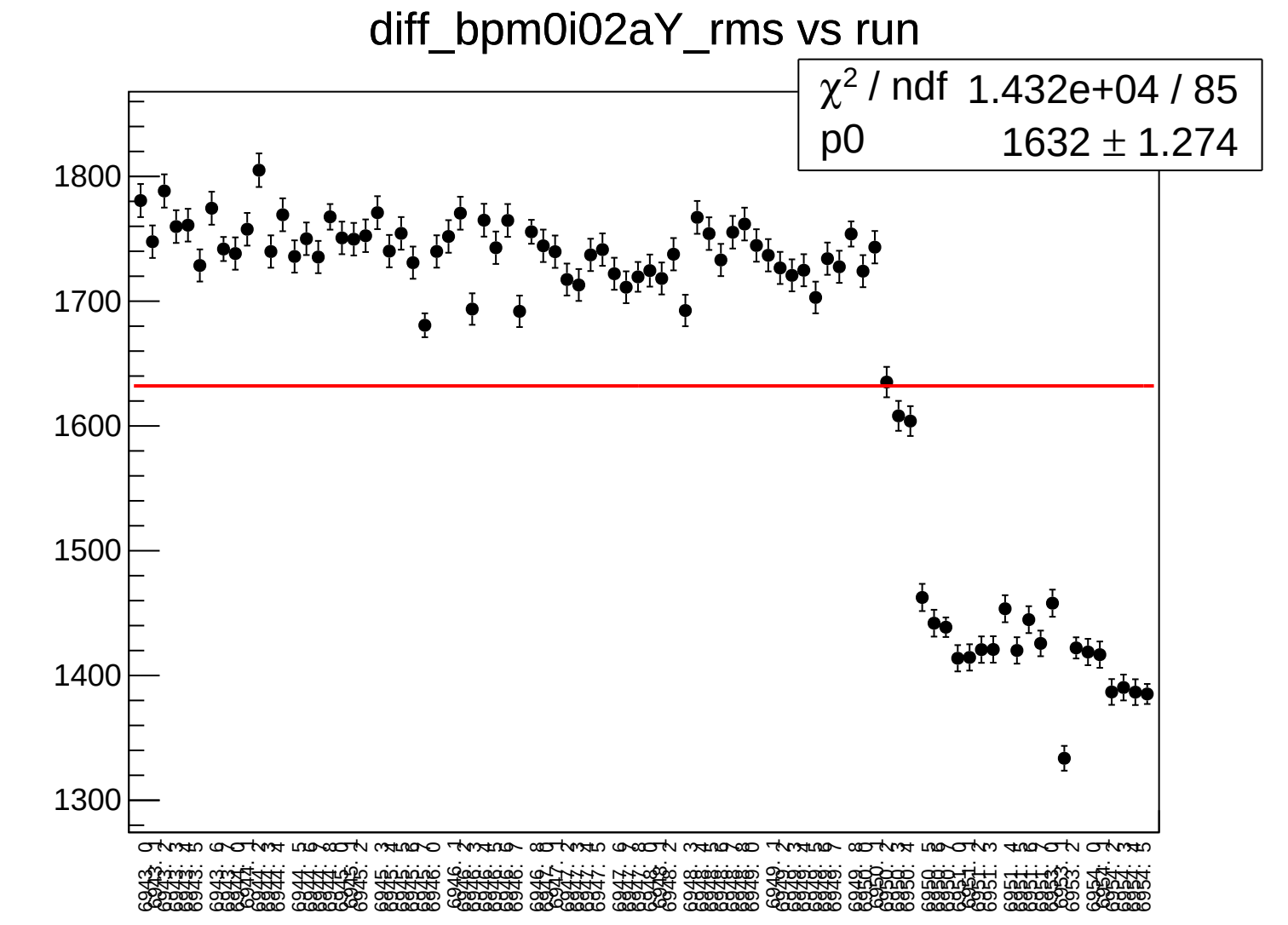

diff_bpm0i02aX_mean vs run
χ² / ndf 226.5 / 85
p0 17.79 ± 2.148
pull
Entries 86
Mean −185.2
Std Dev 0

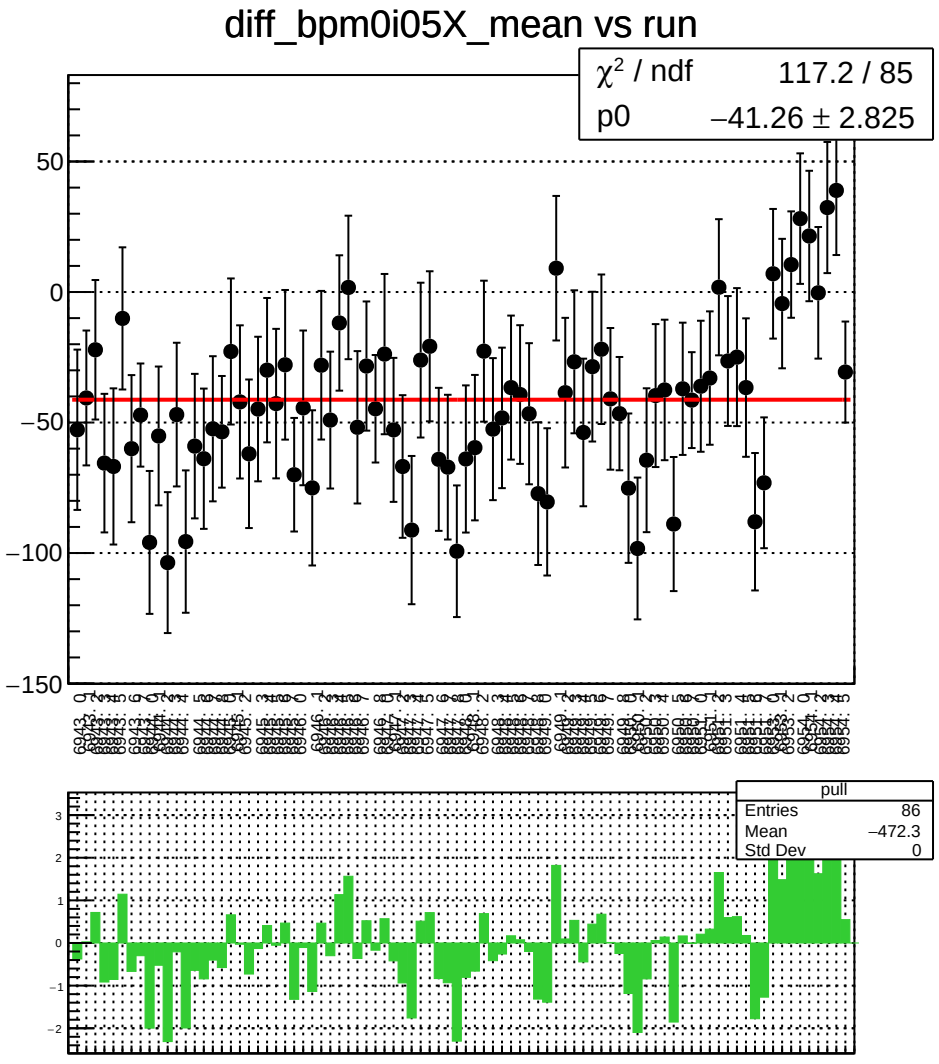

pull1D
Entries 86
Mean 0.04842
Std Dev 1.622

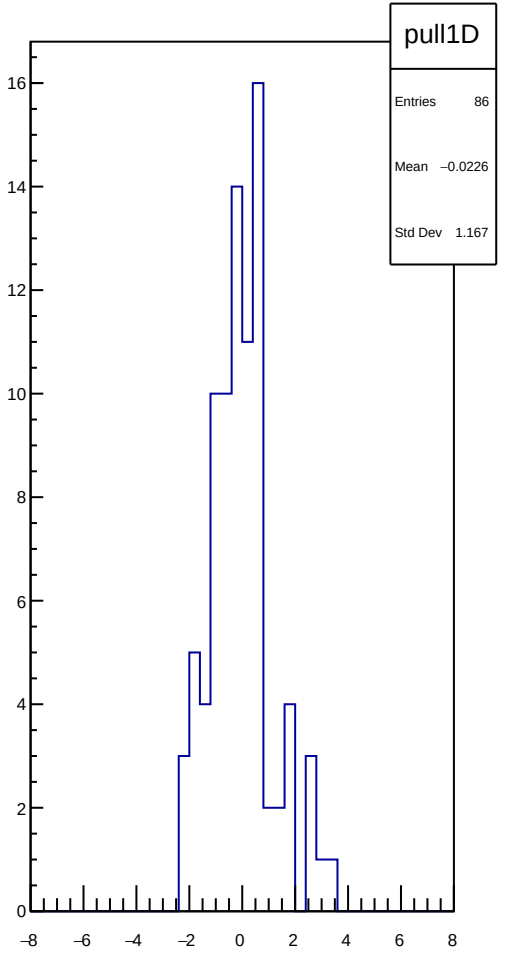

diff_bpm0i02aX_rms vs run
χ^2 / ndf 4113 / 85
p0 1952 ± 1.519
2100
2050
2000
1950
1900
1850
1800
1750

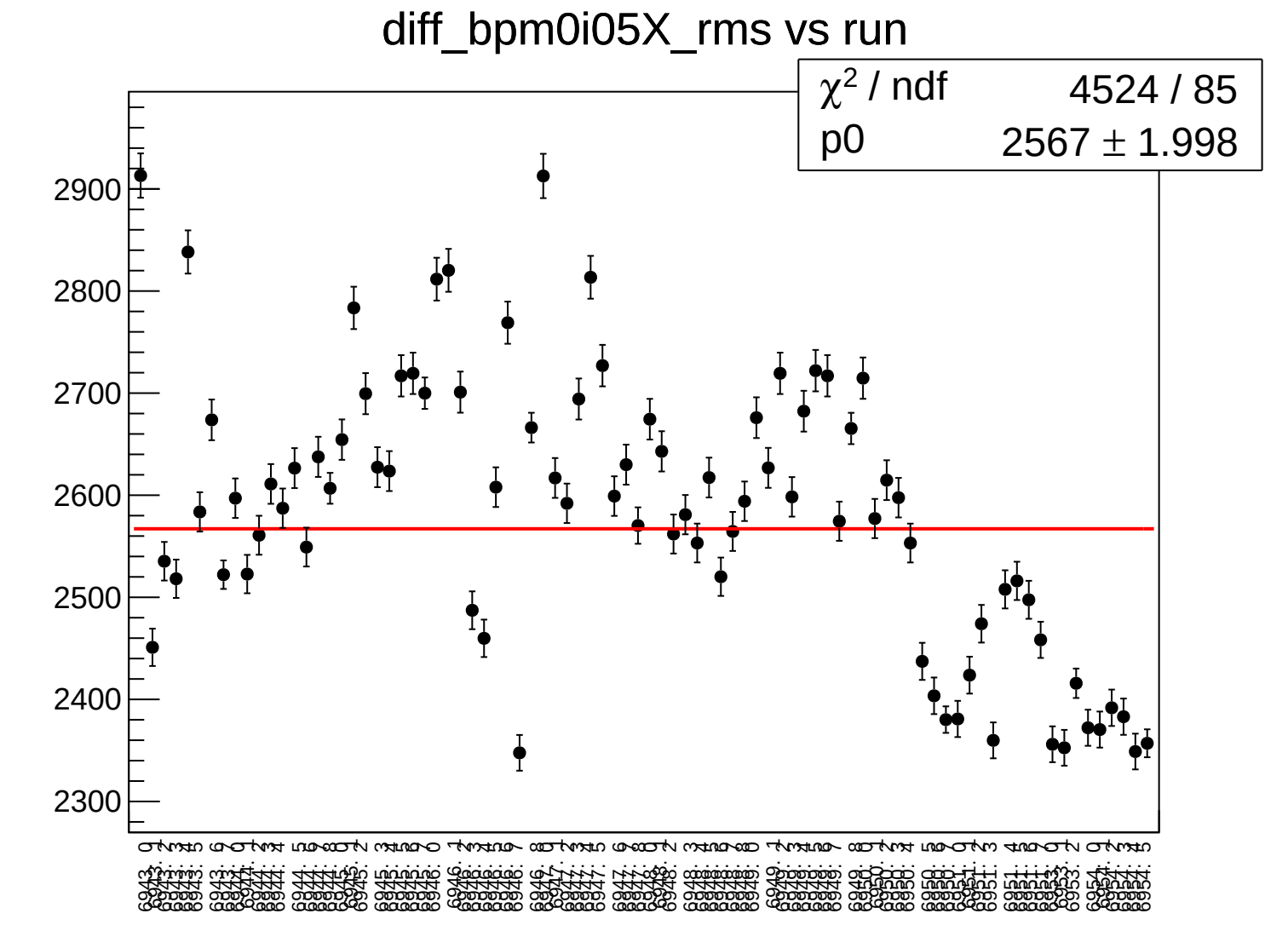

diff_bpm0i02aY_mean vs run
χ² / ndf 123.2 / 85
p0 14.59 ± 1.801
pull
Entries 86
Mean −164.7
Std Dev 0

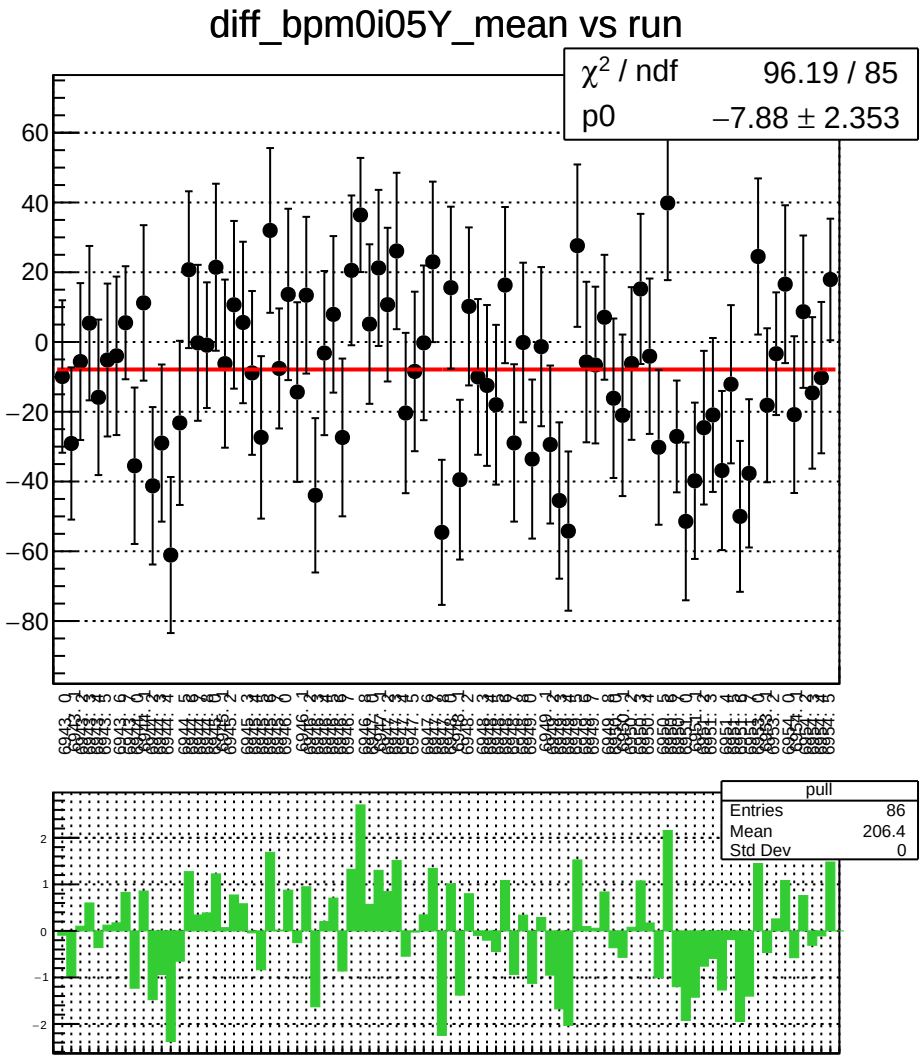

pull1D
Entries 86
Mean −0.05181
Std Dev 1.196

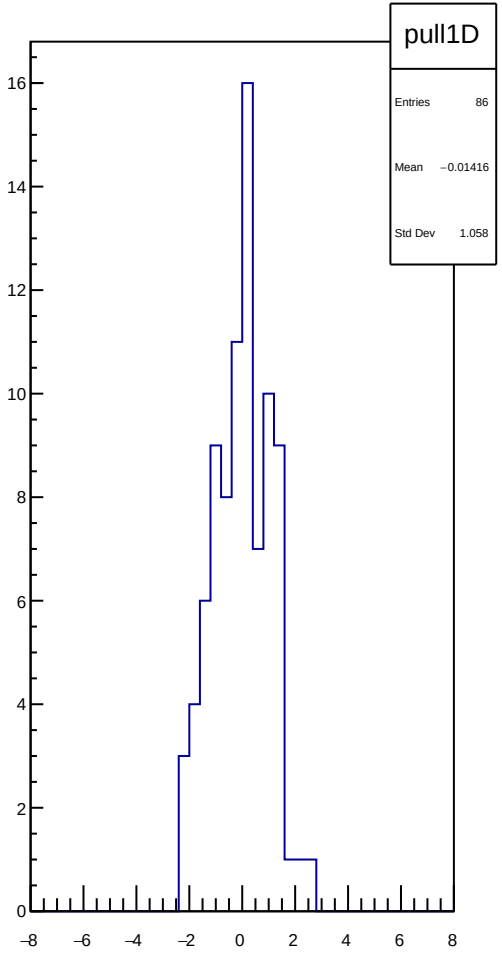

diff_bpm0i02aY_rms vs run
χ² / ndf 1.432e+04 / 85
p0 1632 ± 1.274
1800
1700
1600
1500
1400
1300

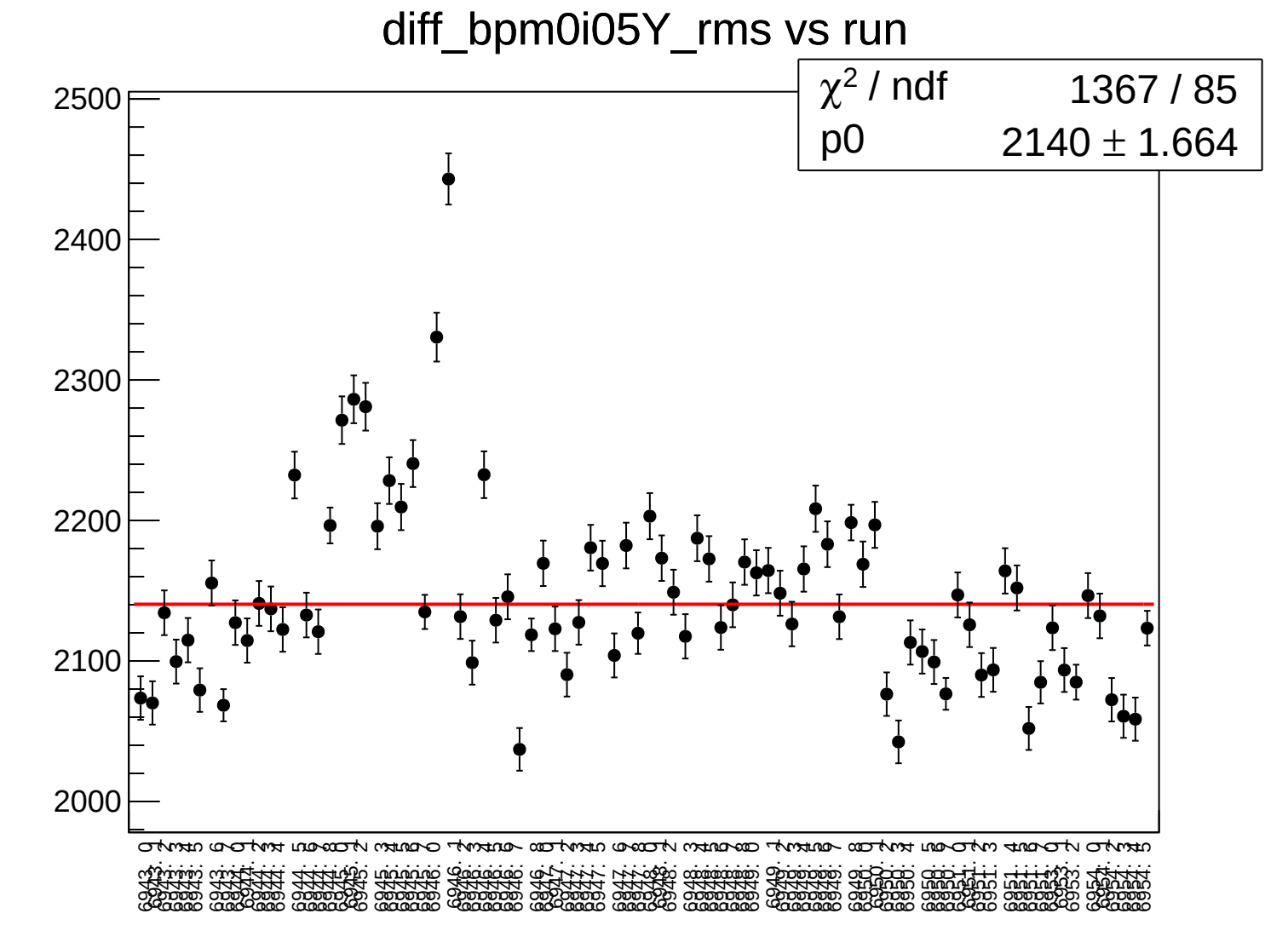

diff_bpm0i05X_mean vs run
χ² / ndf 117.2 / 85
p0 −41.26 ± 2.825
50
0
−50
−100
−150
pull
Entries 86
Mean −472.3
Std Dev 0
3
2
1
0
−1
−2

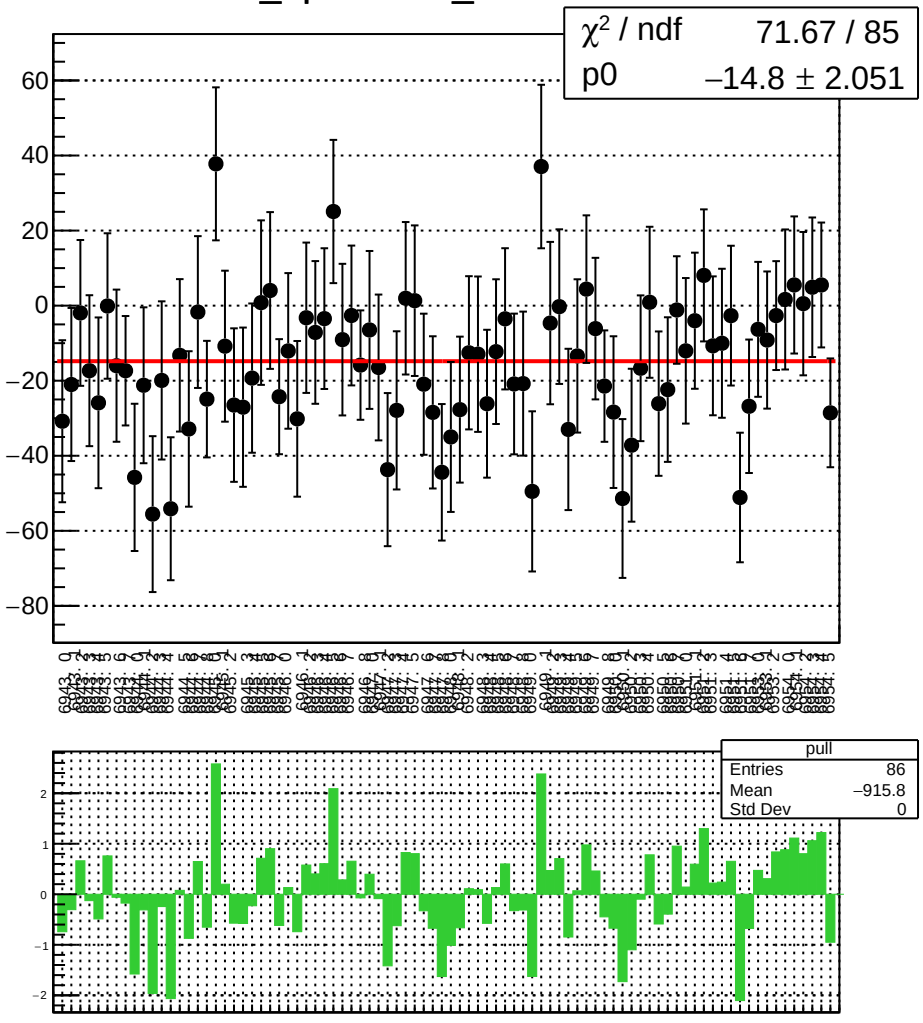

pull1D
Entries 86
Mean −0.0226
Std Dev 1.167
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

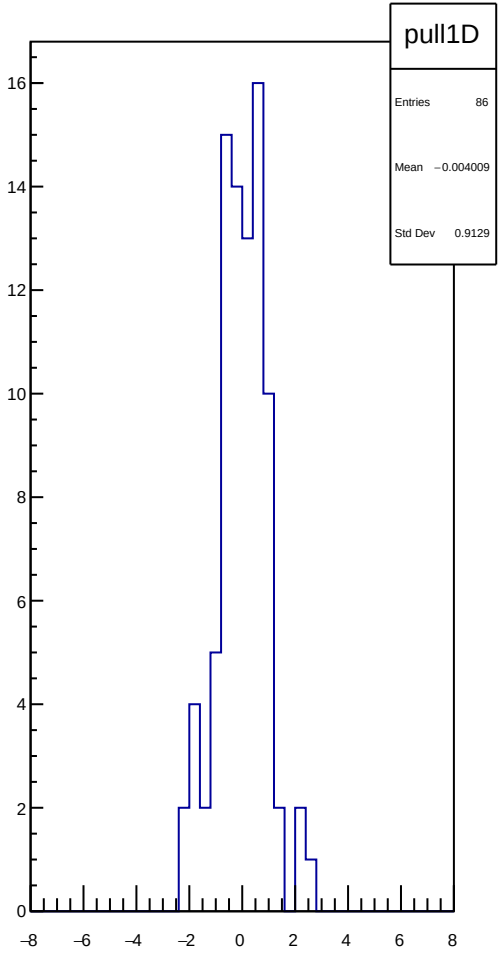

diff_bpm0i05X_rms vs run
χ² / ndf 4524 / 85
p0 2567 ± 1.998
2900
2800
2700
2600
2500
2400
2300

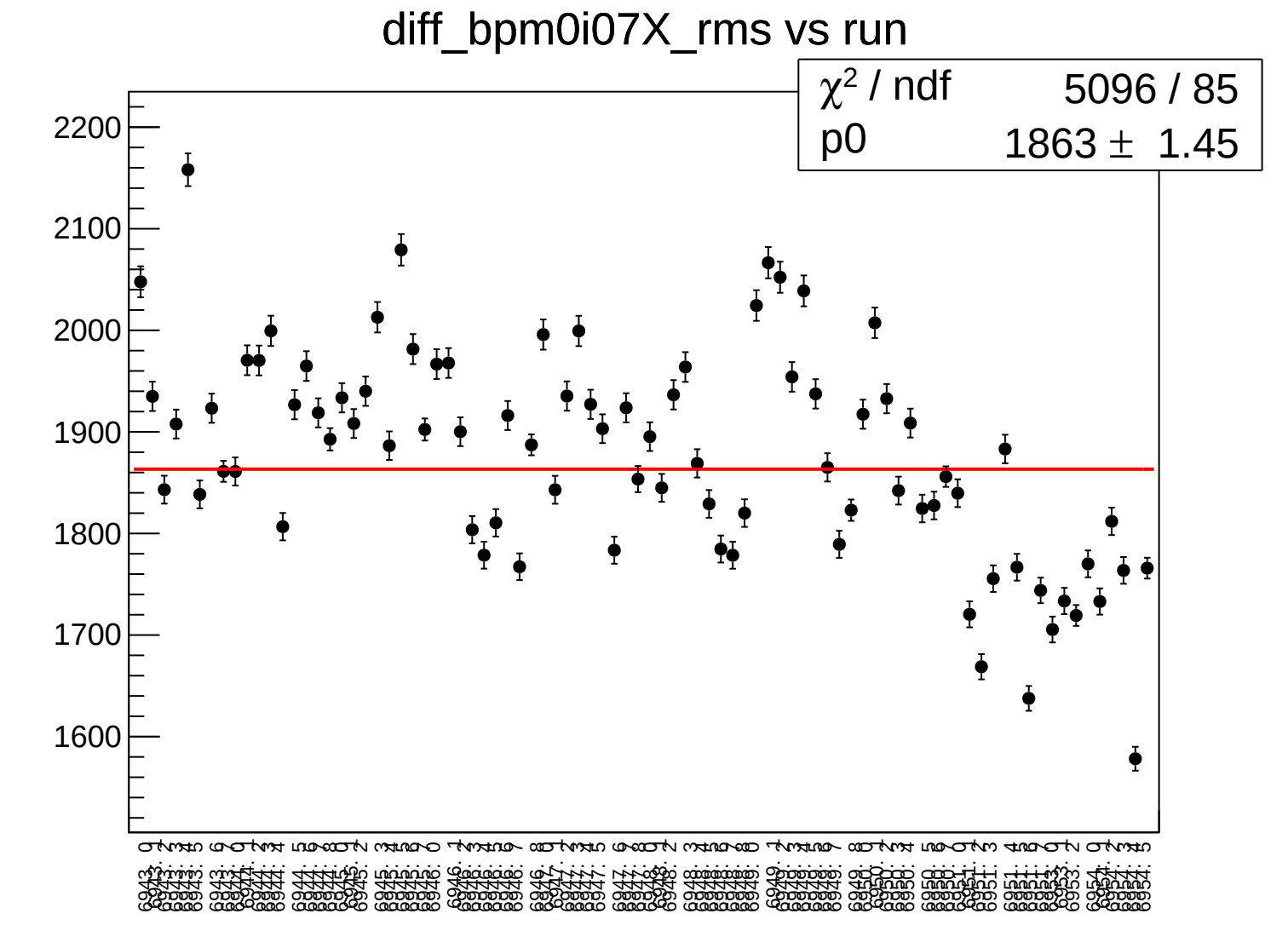

diff_bpm0i05Y_mean vs run
χ² / ndf 96.19 / 85
p0 −7.88 ± 2.353
pull
Entries 86
Mean 206.4
Std Dev 0

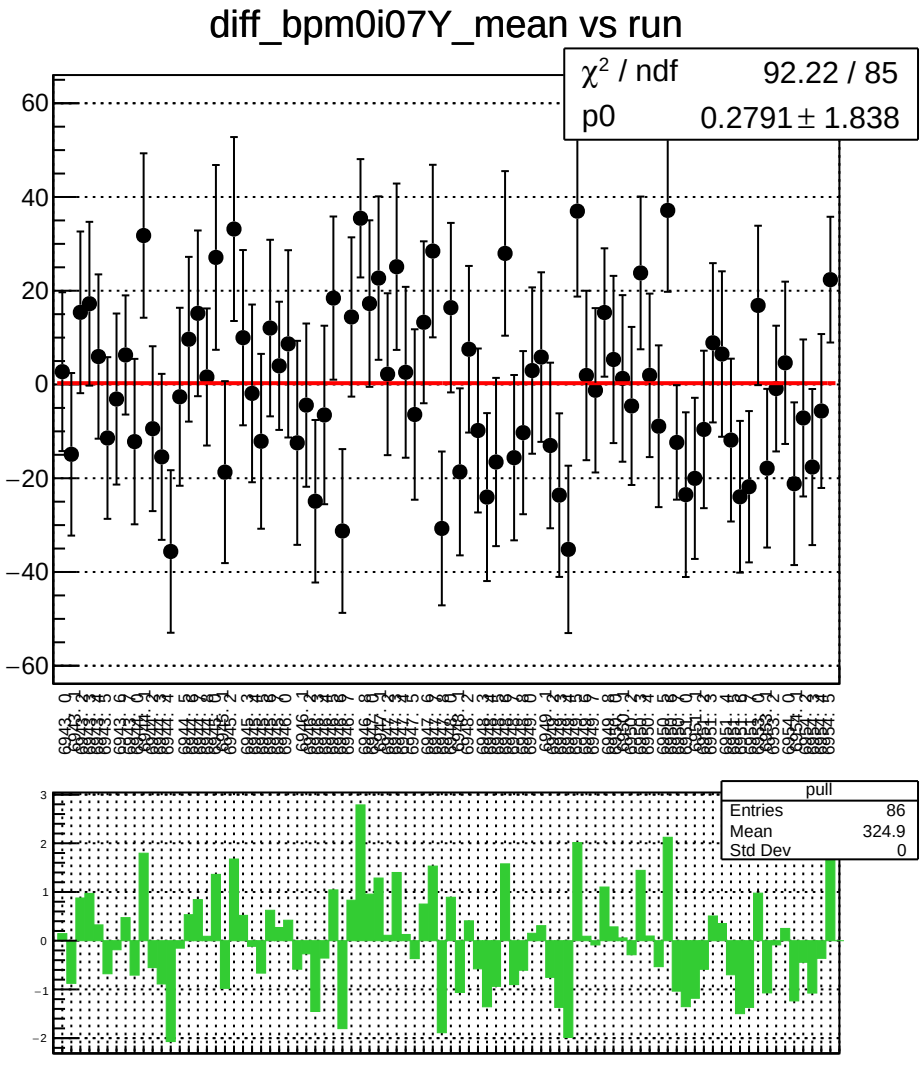

pull1D
Entries 86
Mean −0.01416
Std Dev 1.058

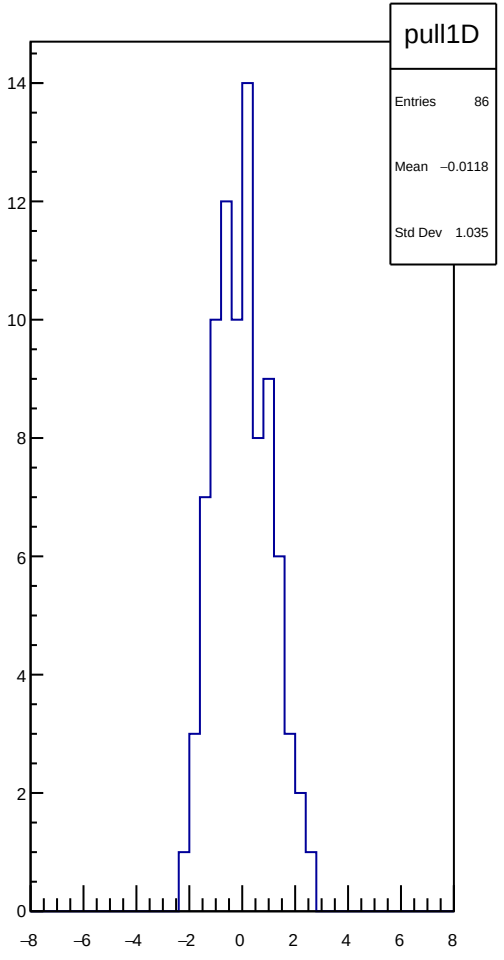

diff_bpm0i05Y_rms vs run
χ² / ndf 1367 / 85
p0 2140 ± 1.664
2500
2400
2300
2200
2100
2000

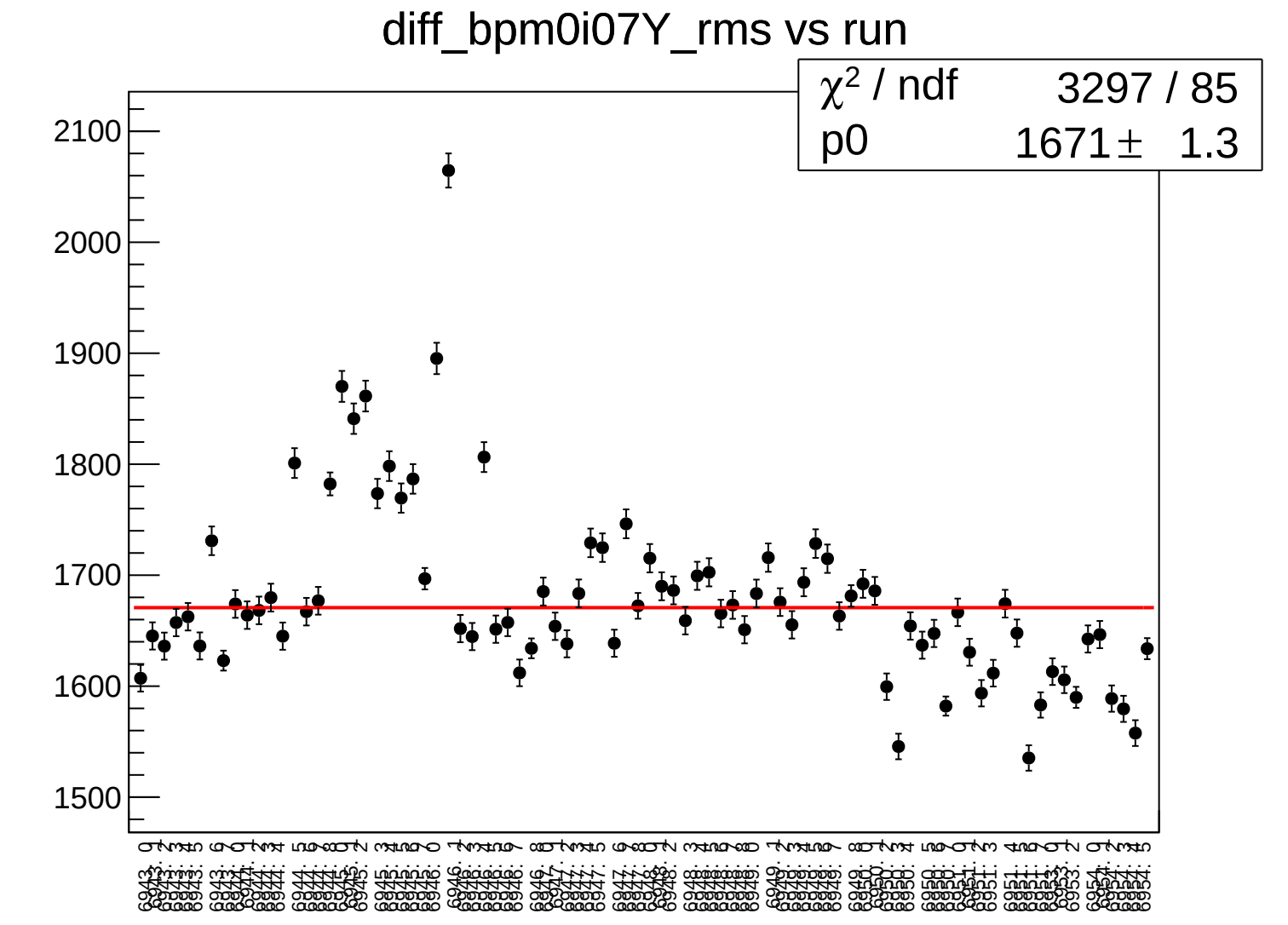

diff_bpm0i07X_mean vs run
χ² / ndf 71.67 / 85
p0 −14.8 ± 2.051
pull
Entries 86
Mean −915.8
Std Dev 0

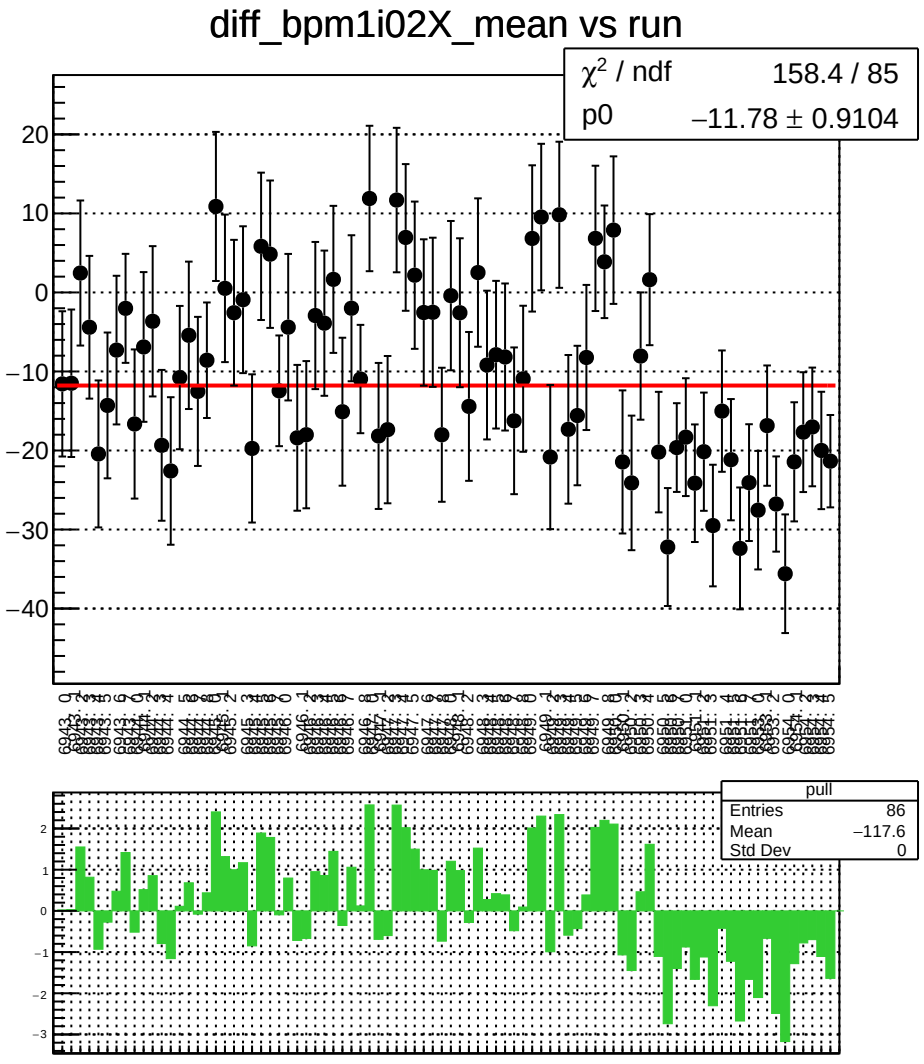

pull1D
Entries 86
Mean −0.004009
Std Dev 0.9129

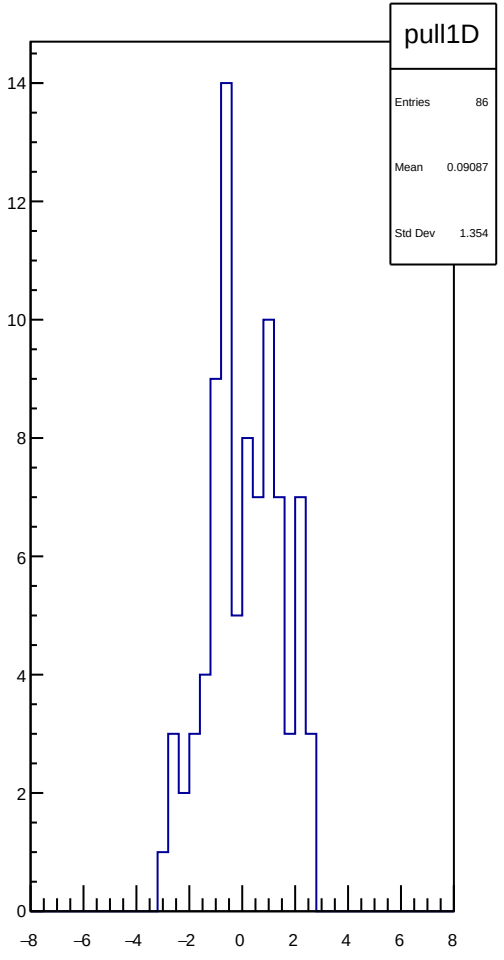

diff_bpm0i07X_rms vs run
χ² / ndf 5096 / 85
p0 1863 ± 1.45
2200
2100
2000
1900
1800
1700
1600

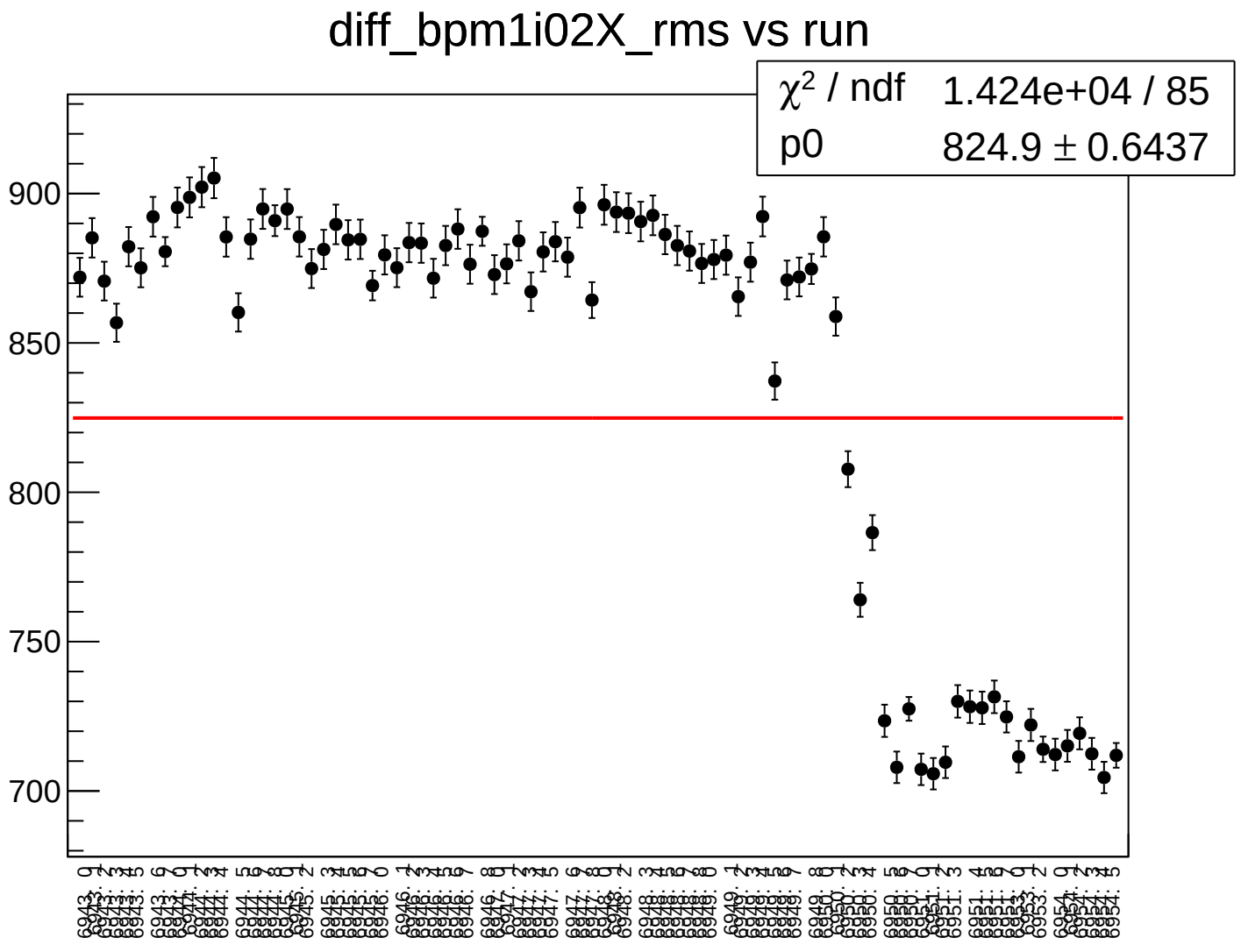

diff_bpm0i07Y_mean vs run
χ² / ndf 92.22 / 85
p0 0.2791 ± 1.838
pull
Entries 86
Mean 324.9
Std Dev 0

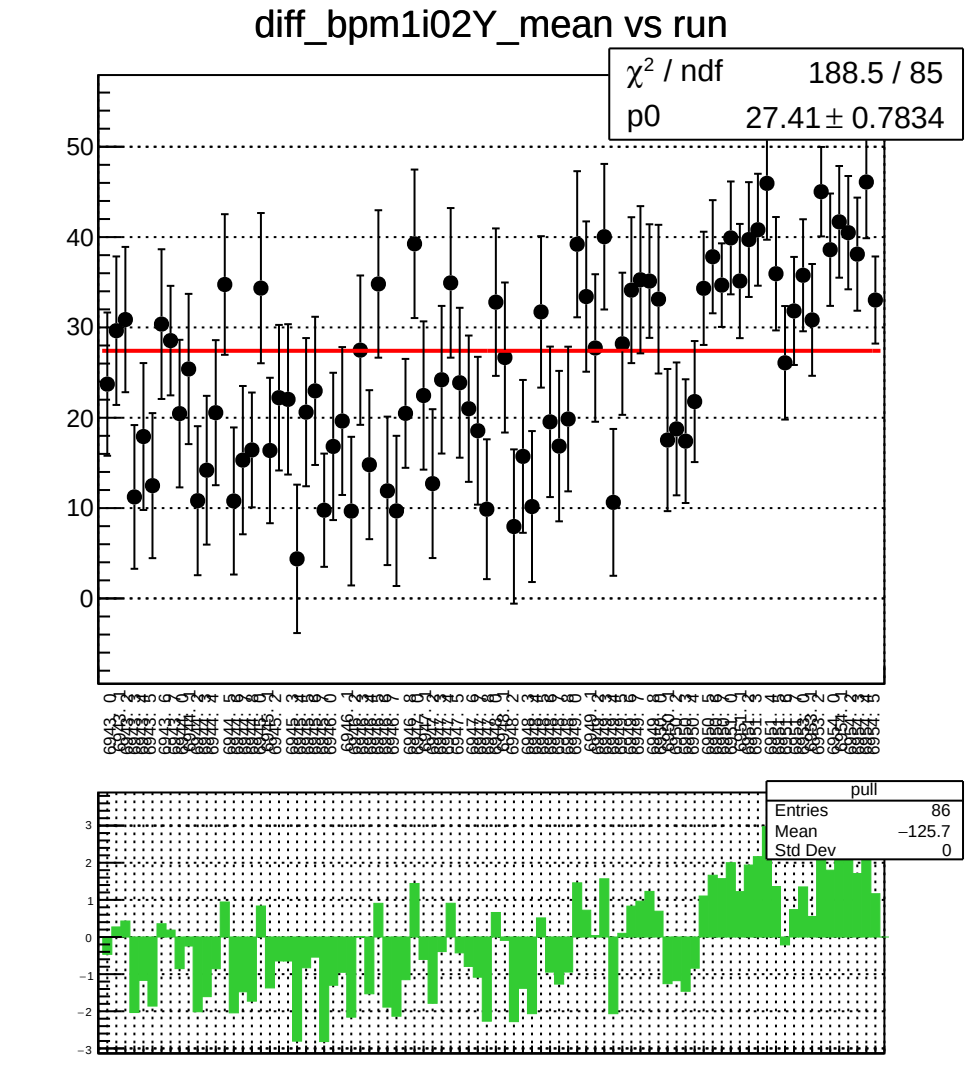

pull1D
Entries 86
Mean −0.0118
Std Dev 1.035

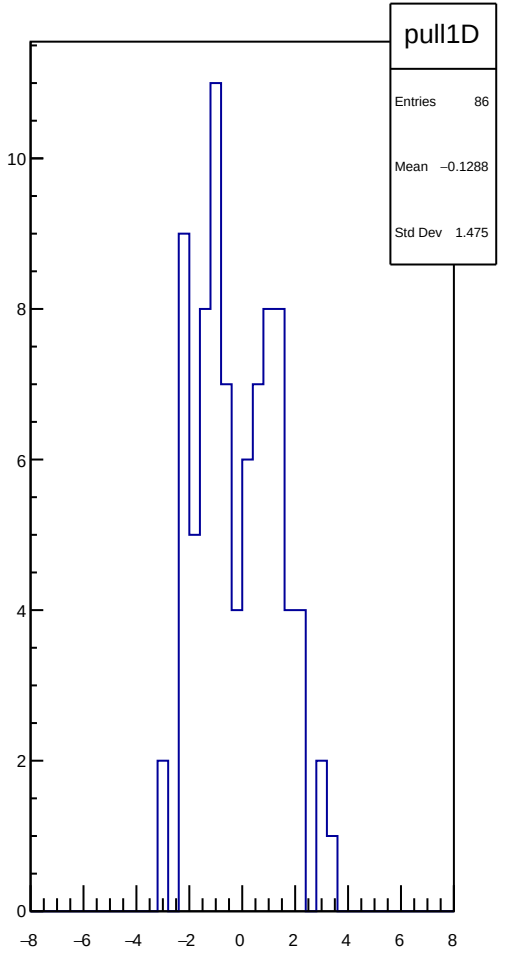

diff_bpm0i07Y_rms vs run
χ² / ndf 3297 / 85
p0 1671 ± 1.3
2100
2000
1900
1800
1700
1600
1500

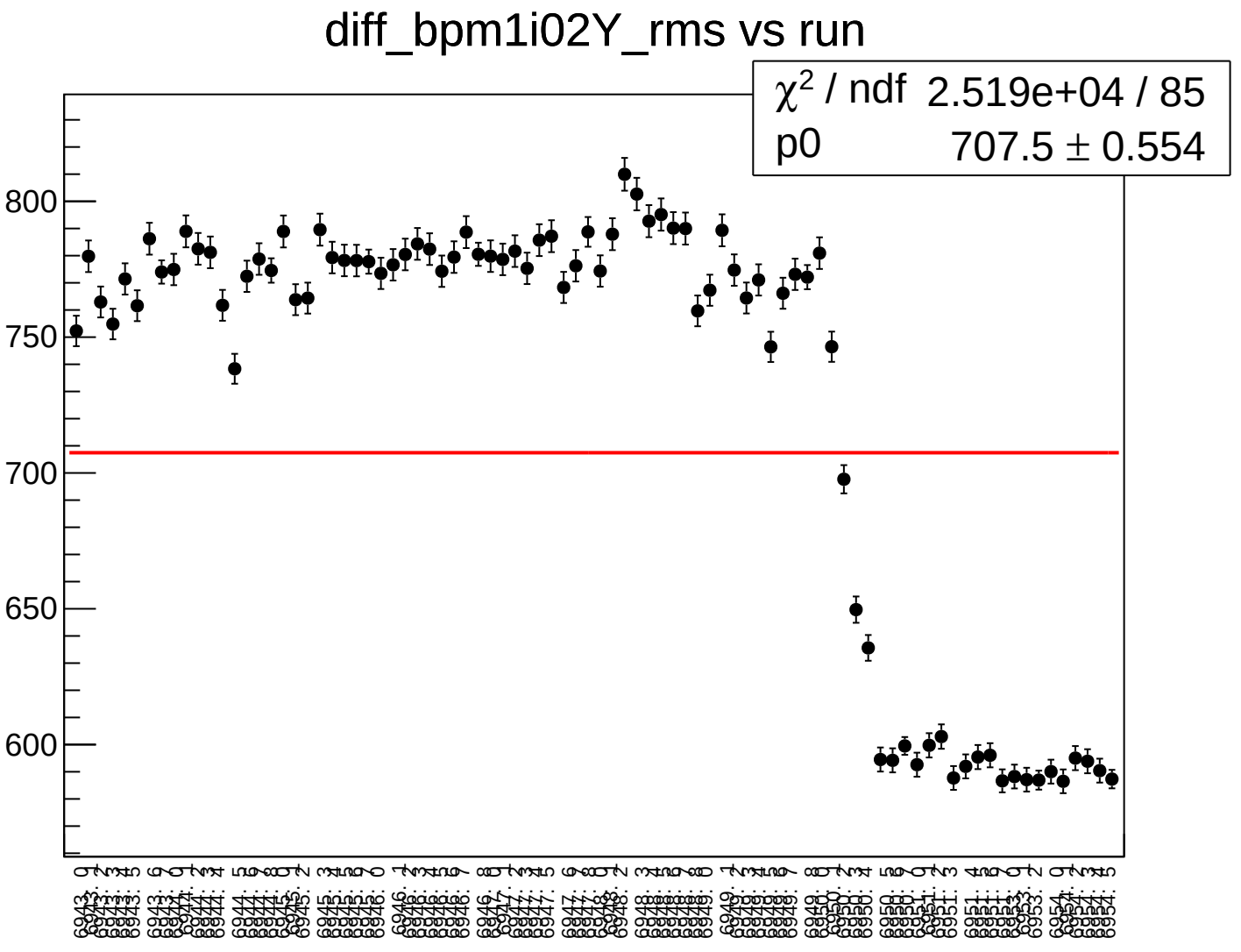

diff_bpm1i02X_mean vs run
χ² / ndf 158.4 / 85
p0 −11.78 ± 0.9104
pull
Entries 86
Mean −117.6
Std Dev 0

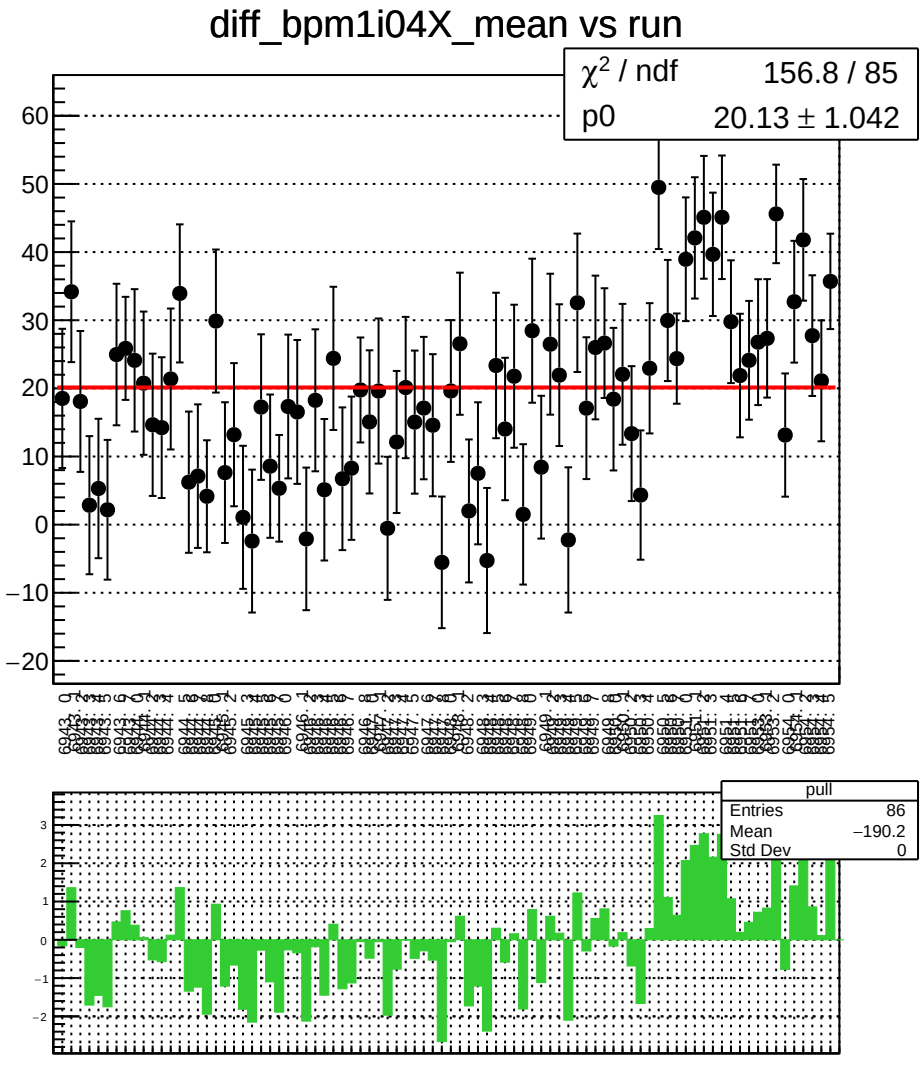

pull1D
Entries 86
Mean 0.09087
Std Dev 1.354

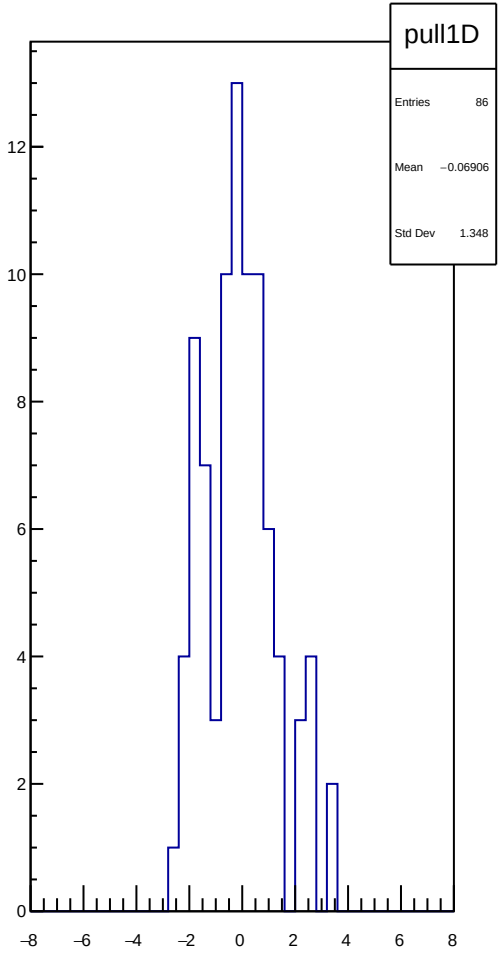

diff_bpm1i02X_rms vs run
χ² / ndf 1.424e+04 / 85
p0 824.9 ± 0.6437
900
850
800
750
700

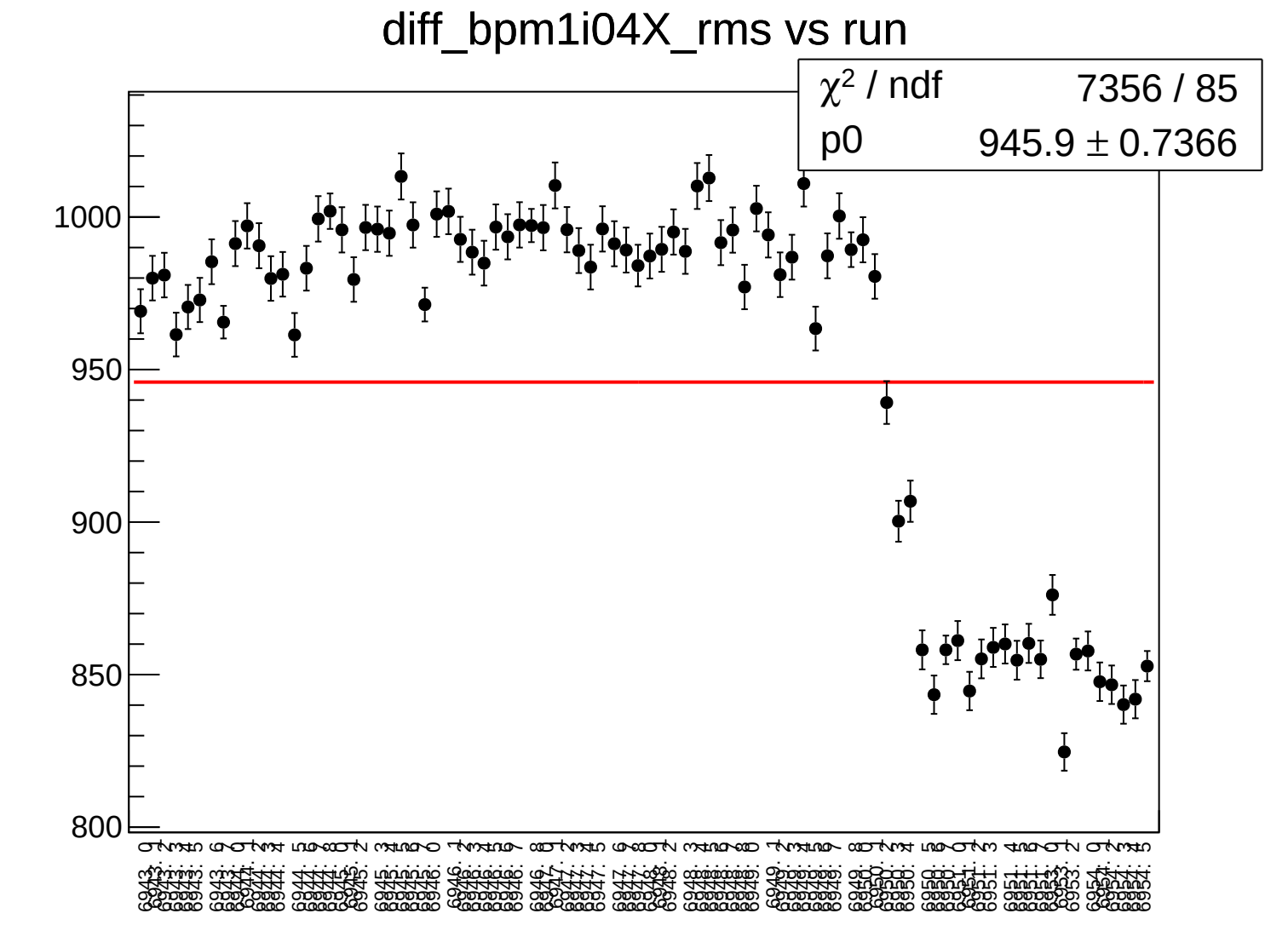

diff_bpm1i02Y_mean vs run
χ² / ndf 188.5 / 85
p0 27.41 ± 0.7834
pull
Entries 86
Mean −125.7
Std Dev 0

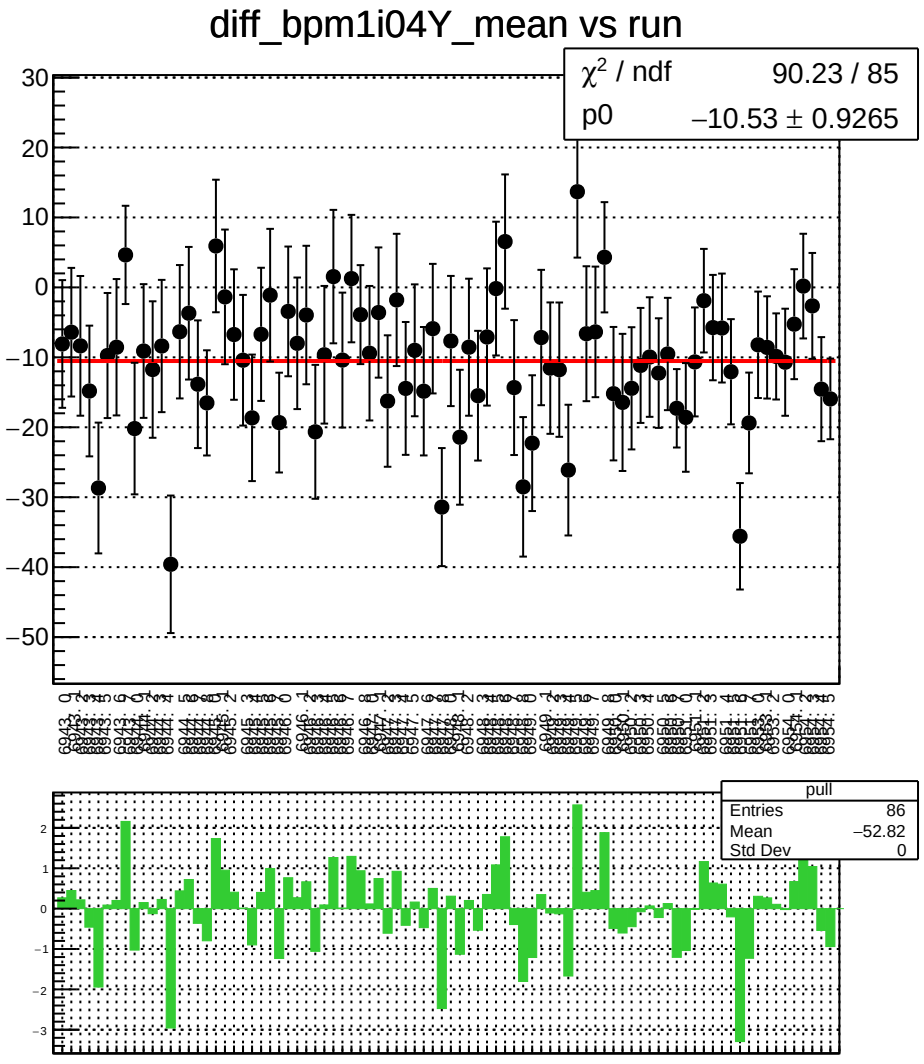

pull1D
Entries 86
Mean −0.1288
Std Dev 1.475

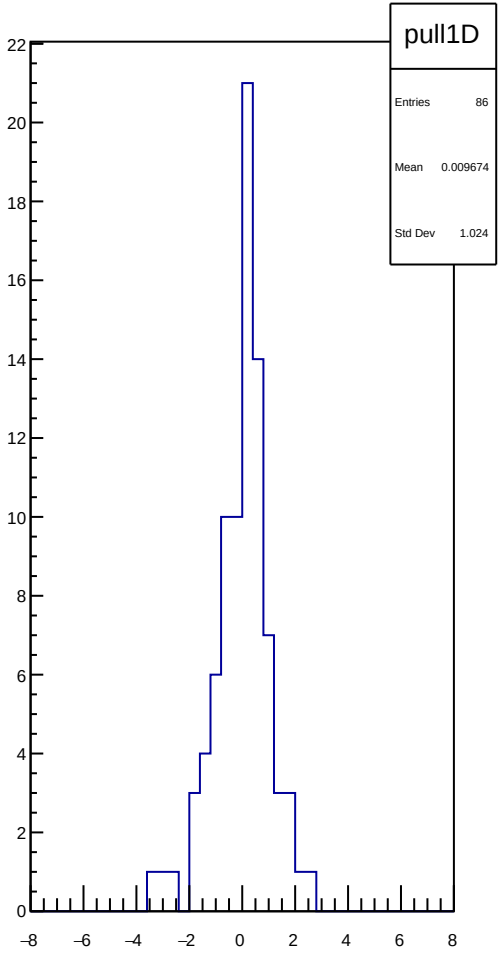

diff_bpm1i02Y_rms vs run
χ² / ndf 2.519e+04 / 85
p0 707.5 ± 0.554
800
750
700
650
600

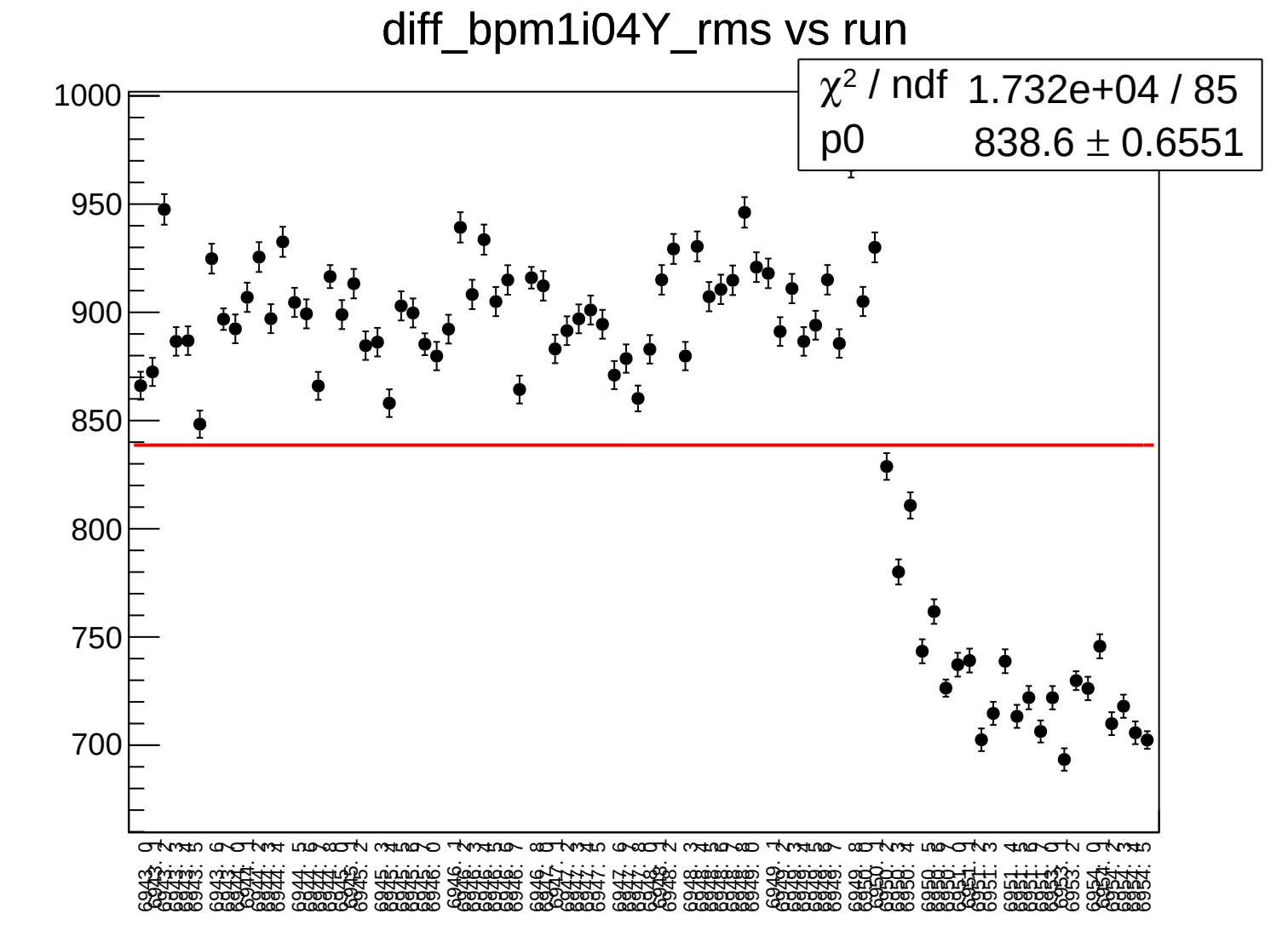

diff_bpm1i04X_mean vs run
χ² / ndf 156.8 / 85
p0 20.13 ± 1.042
pull
Entries 86
Mean −190.2
Std Dev 0

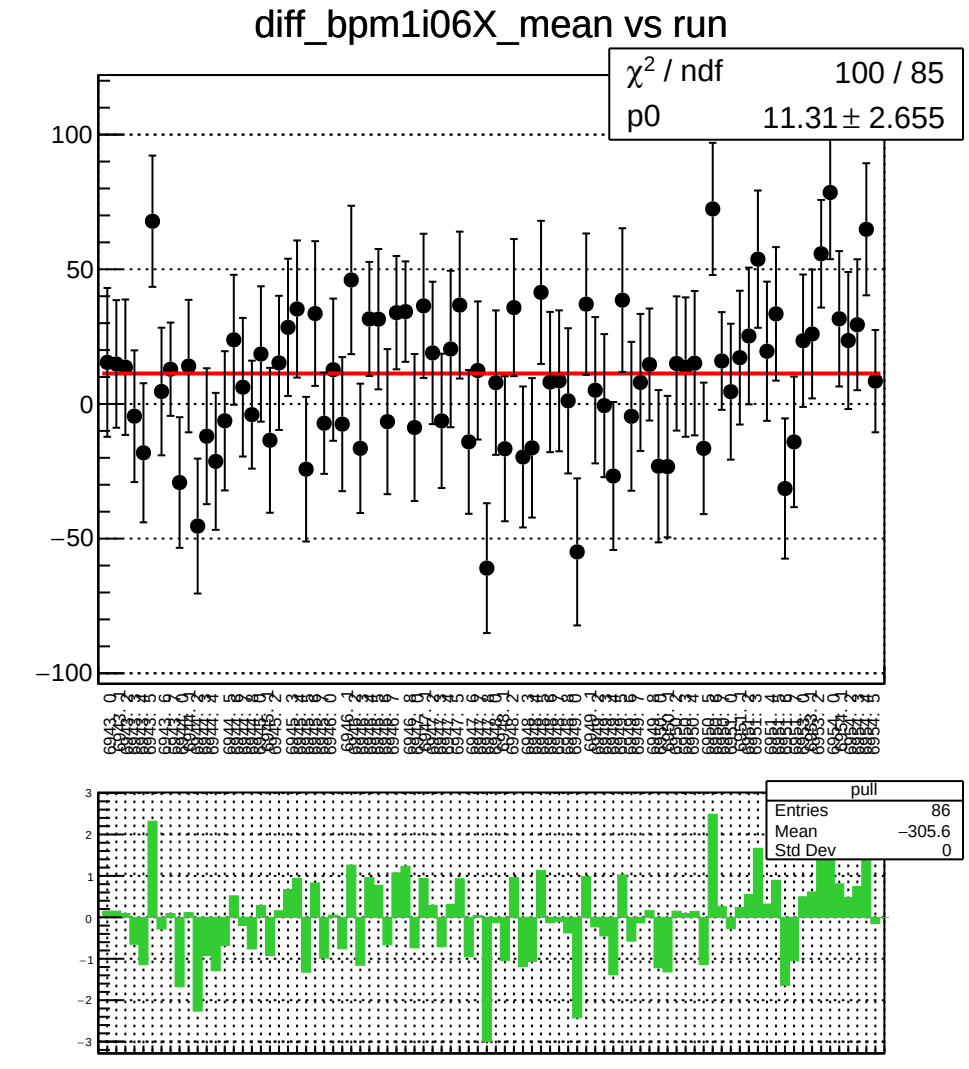

pull1D
Entries 86
Mean −0.06906
Std Dev 1.348

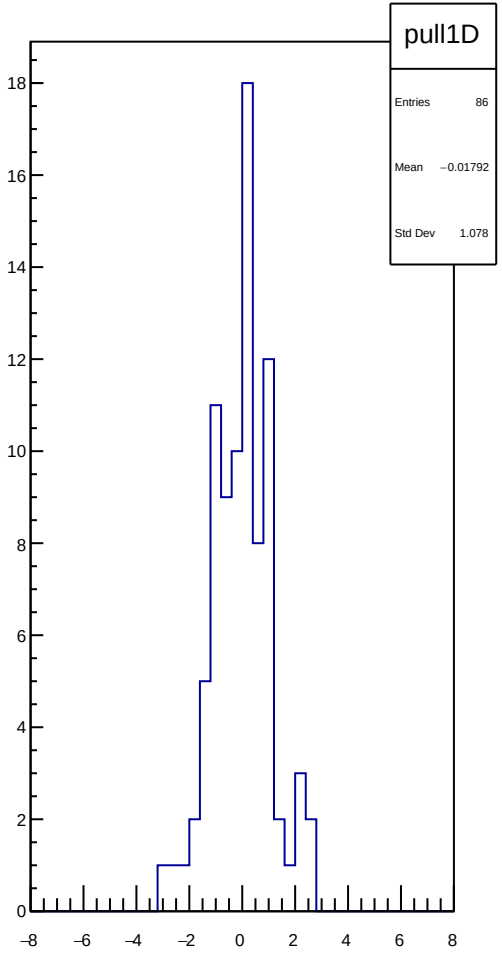

diff_bpm1i04X_rms vs run
χ² / ndf 7356 / 85
p0 945.9 ± 0.7366
1000
950
900
850
800

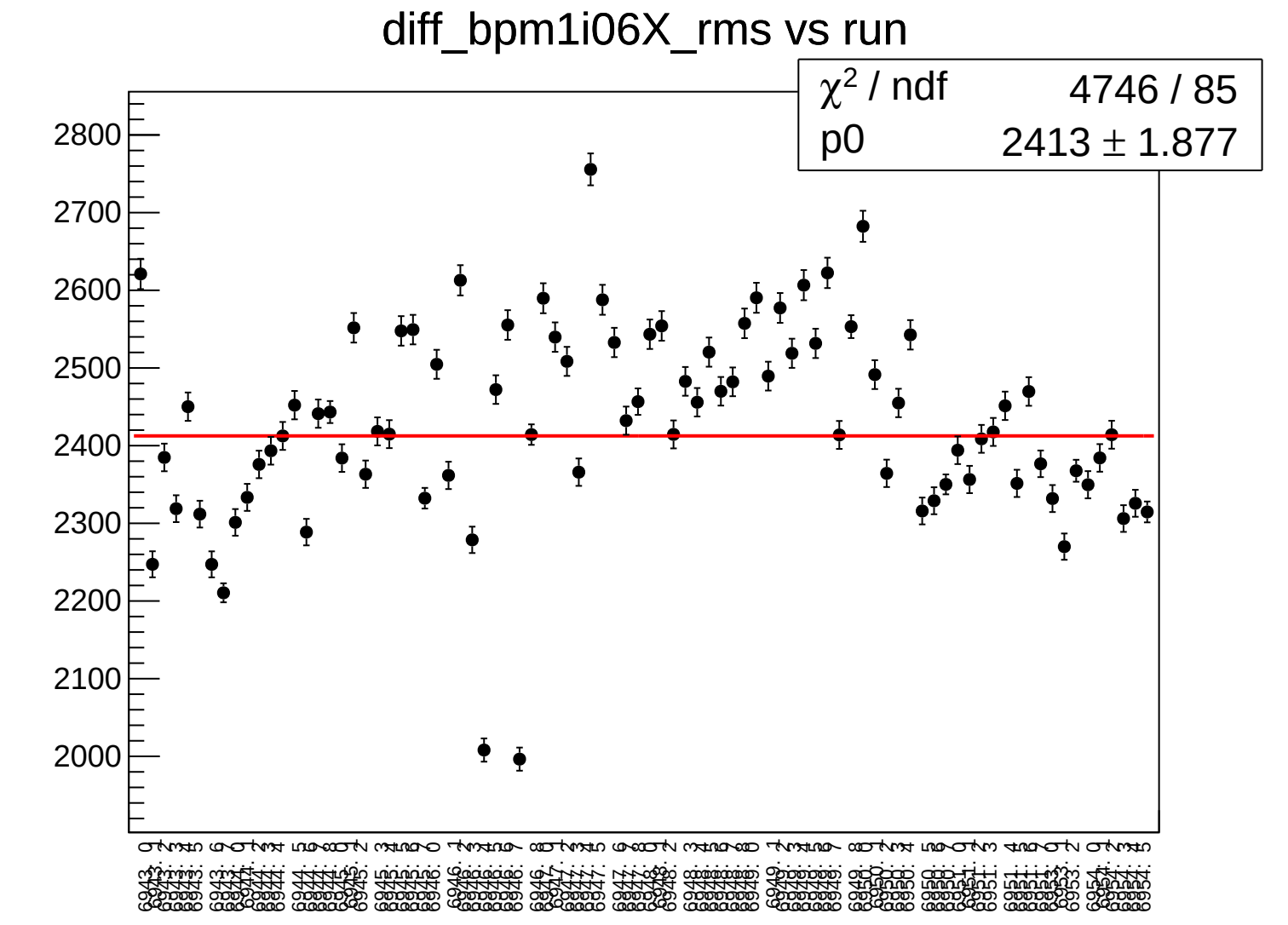

diff_bpm1i04Y_mean vs run
χ² / ndf 90.23 / 85
p0 −10.53 ± 0.9265
pull
Entries 86
Mean −52.82
Std Dev 0

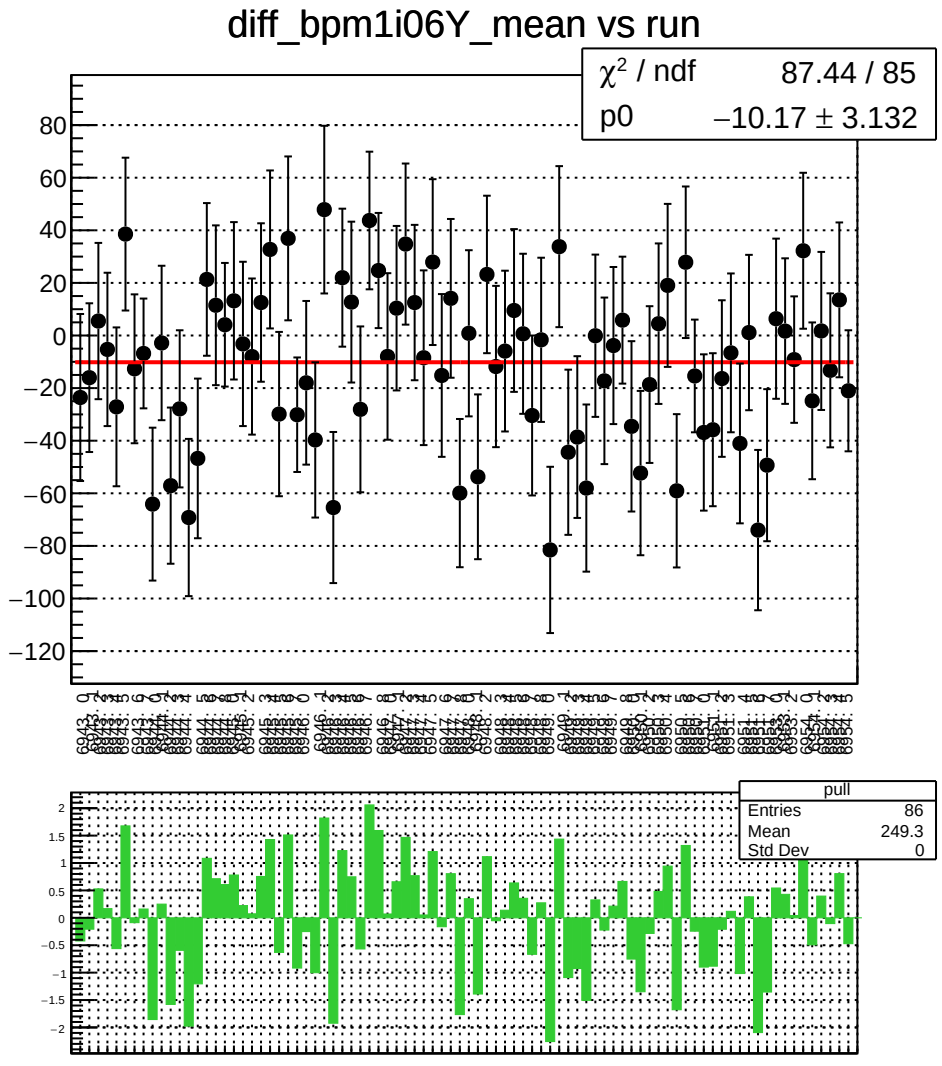

pull1D
Entries 86
Mean 0.009674
Std Dev 1.024

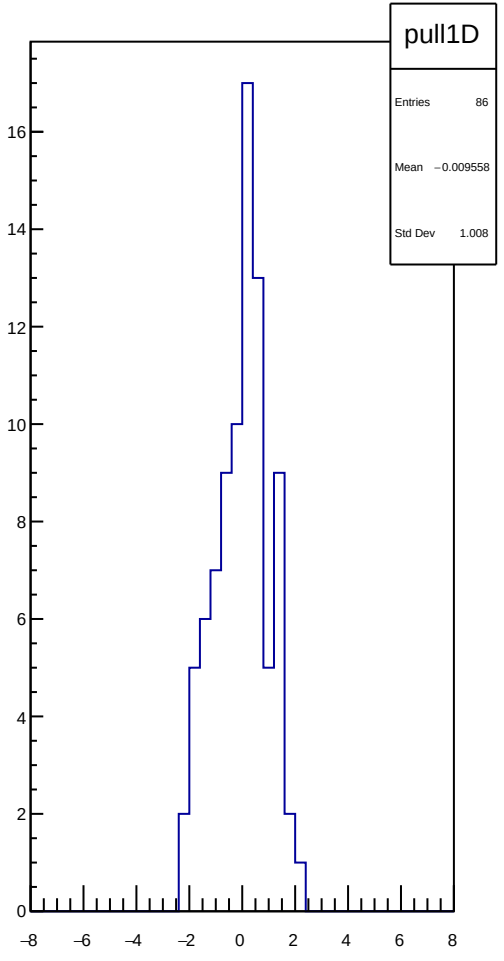

diff_bpm1i04Y_rms vs run
χ² / ndf 1.732e+04 / 85
p0 838.6 ± 0.6551
1000
950
900
850
800
750
700

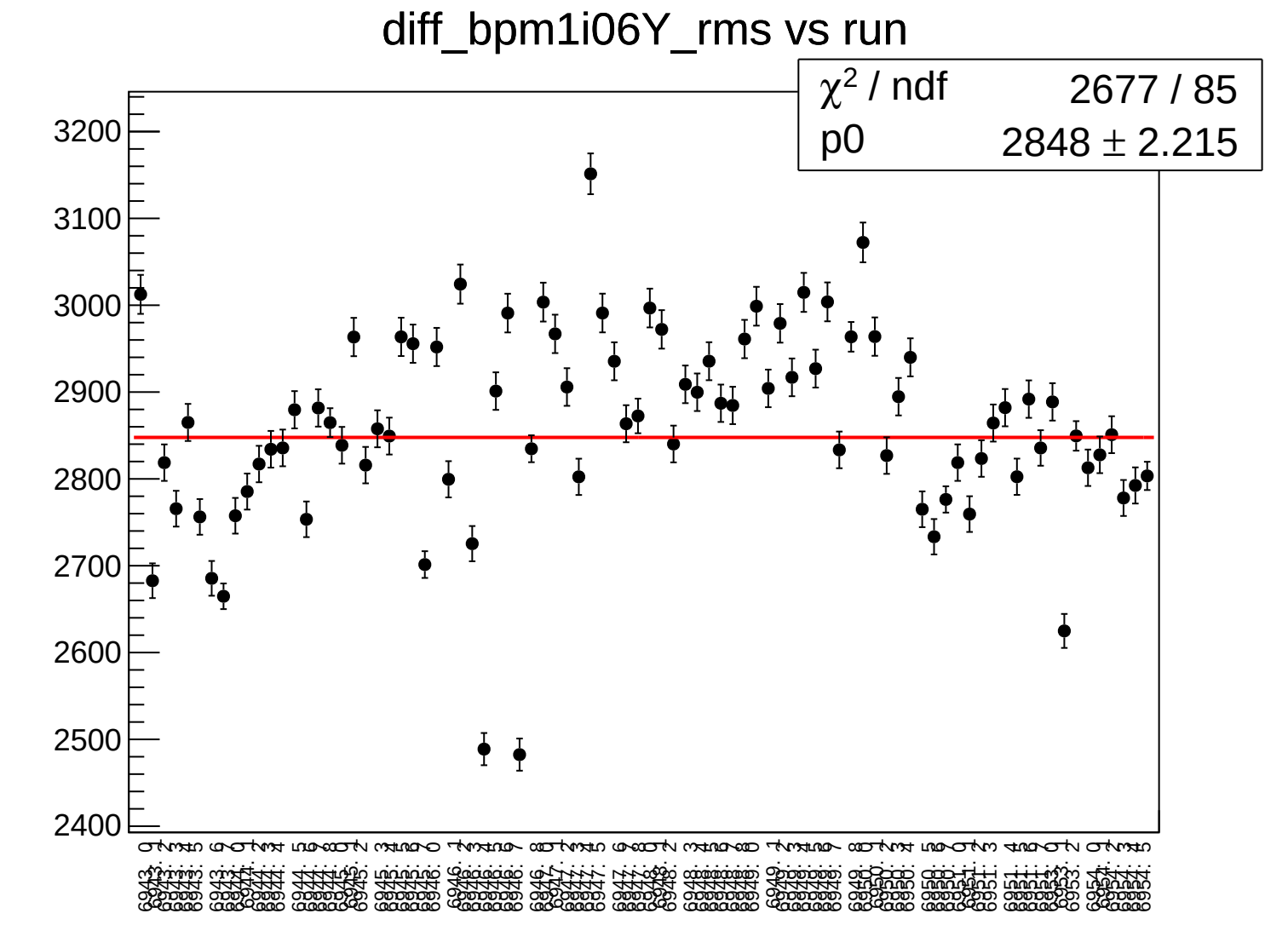

diff_bpm1i06X_mean vs run
χ^2 / ndf 100 / 85
p0 11.31 ± 2.655
pull
Entries 86
Mean −305.6
Std Dev 0

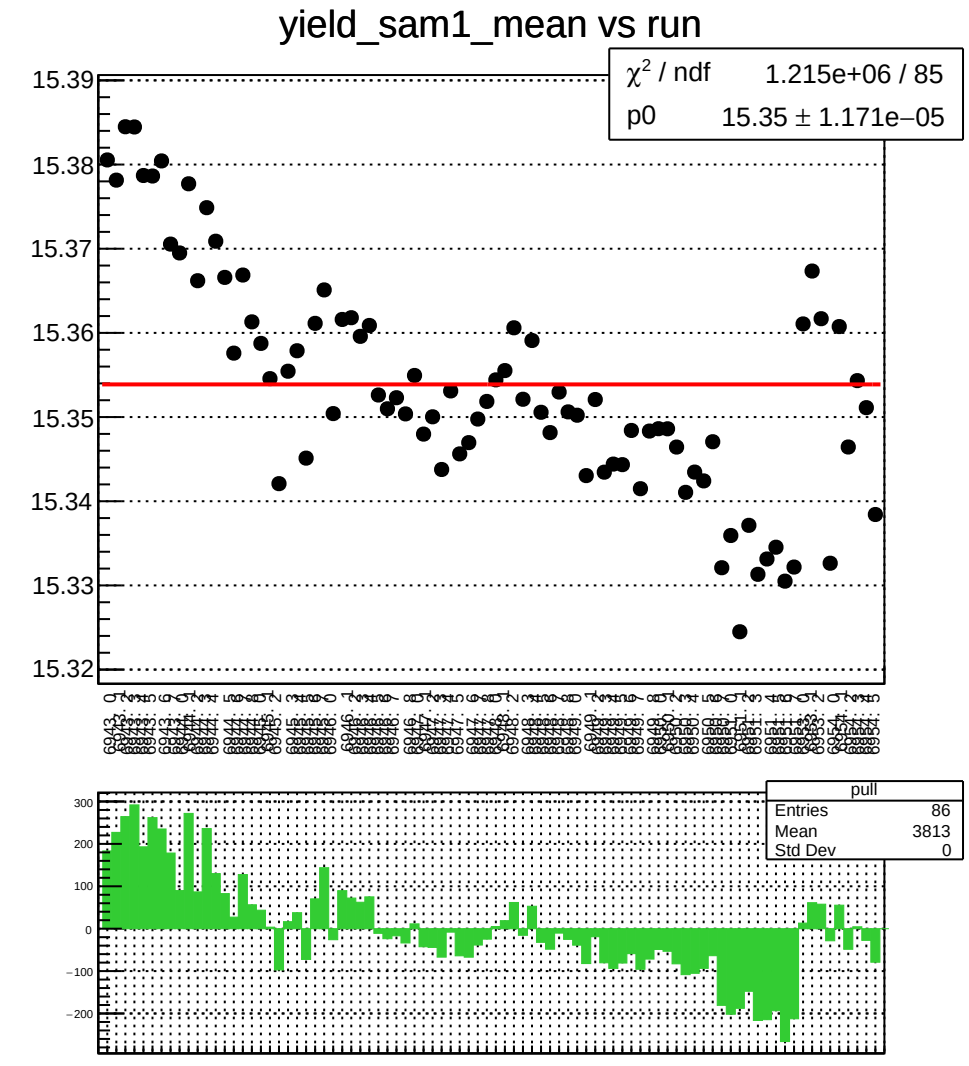

pull1D
Entries 86
Mean −0.01792
Std Dev 1.078

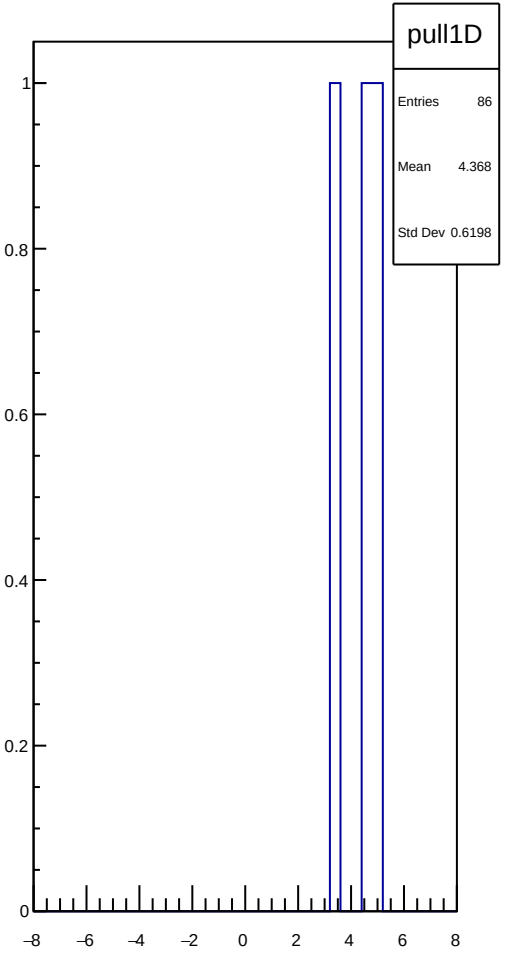

diff_bpm1i06X_rms vs run
χ² / ndf 4746 / 85
p0 2413 ± 1.877
2800
2700
2600
2500
2400
2300
2200
2100
2000

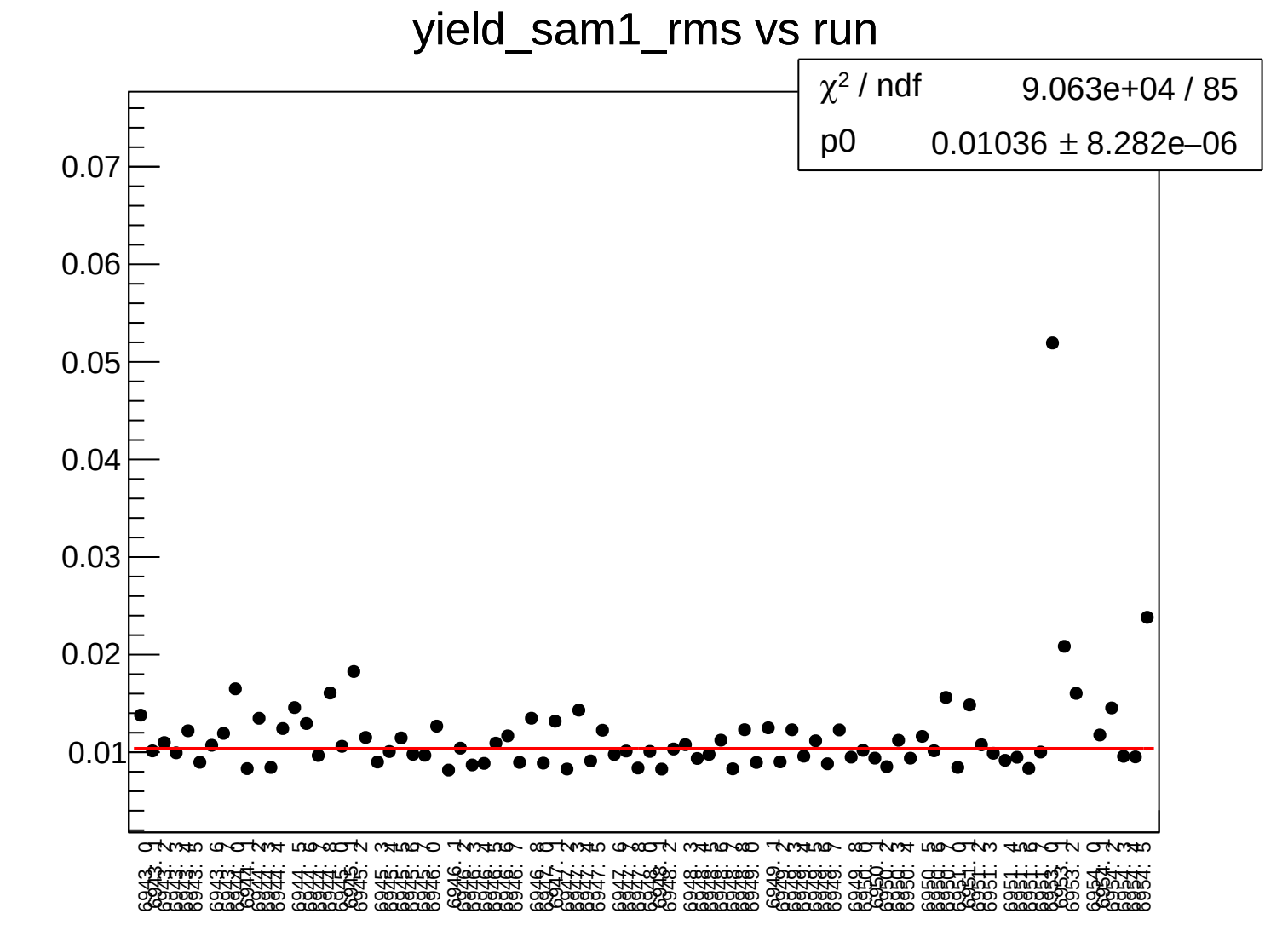

diff_bpm1i06Y_mean vs run
χ² / ndf 87.44 / 85
p0 −10.17 ± 3.132
pull
Entries 86
Mean 249.3
Std Dev 0

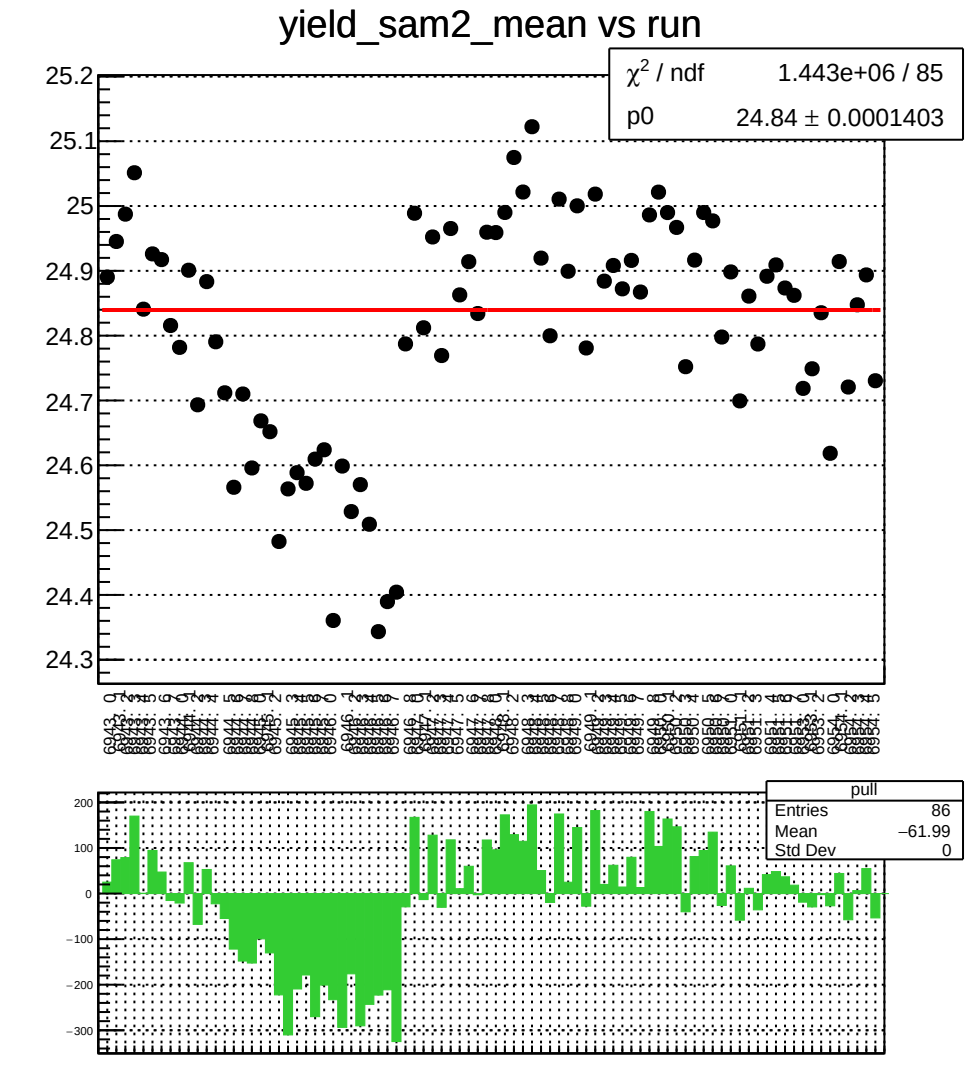

pull1D
Entries 86
Mean −0.009558
Std Dev 1.008

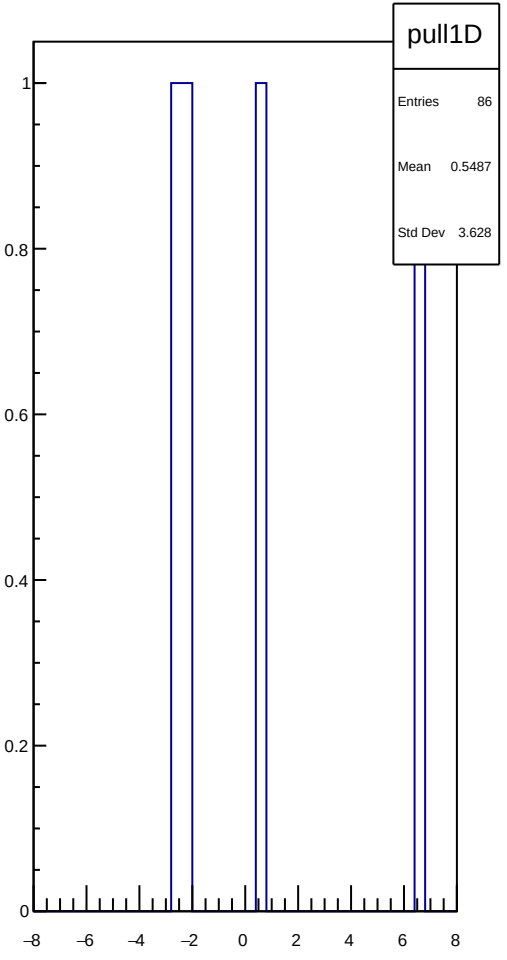

diff_bpm1i06Y_rms vs run
χ² / ndf 2677 / 85
p0 2848 ± 2.215
3200
3100
3000
2900
2800
2700
2600
2500
2400

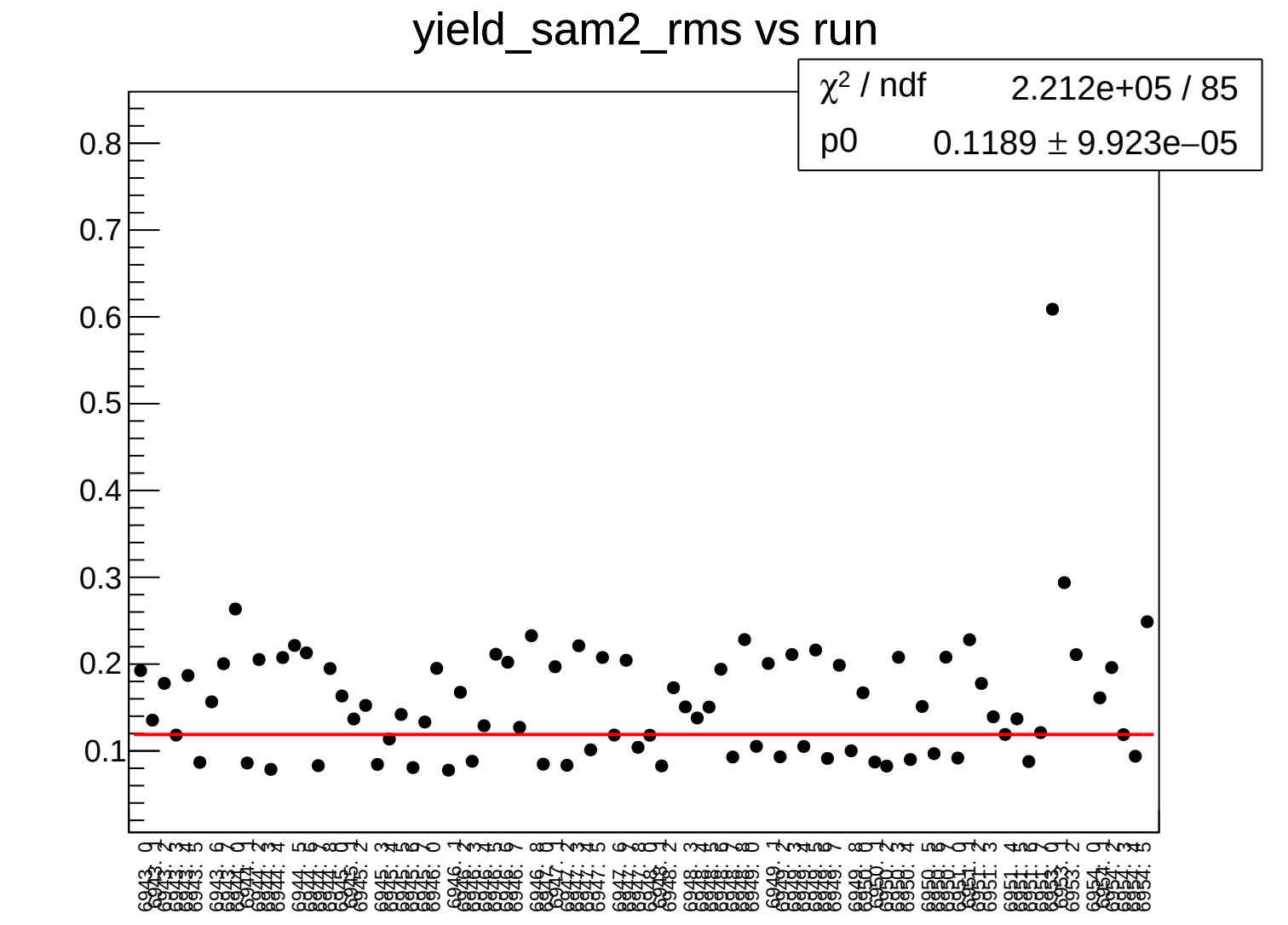

yield_sam1_mean vs run
χ² / ndf 1.215e+06 / 85
p0 15.35 ± 1.171e−05
15.39
15.38
15.37
15.36
15.35
15.34
15.33
15.32
pull
Entries 86
Mean 3813
Std Dev 0
300
200
100
0
−100
−200

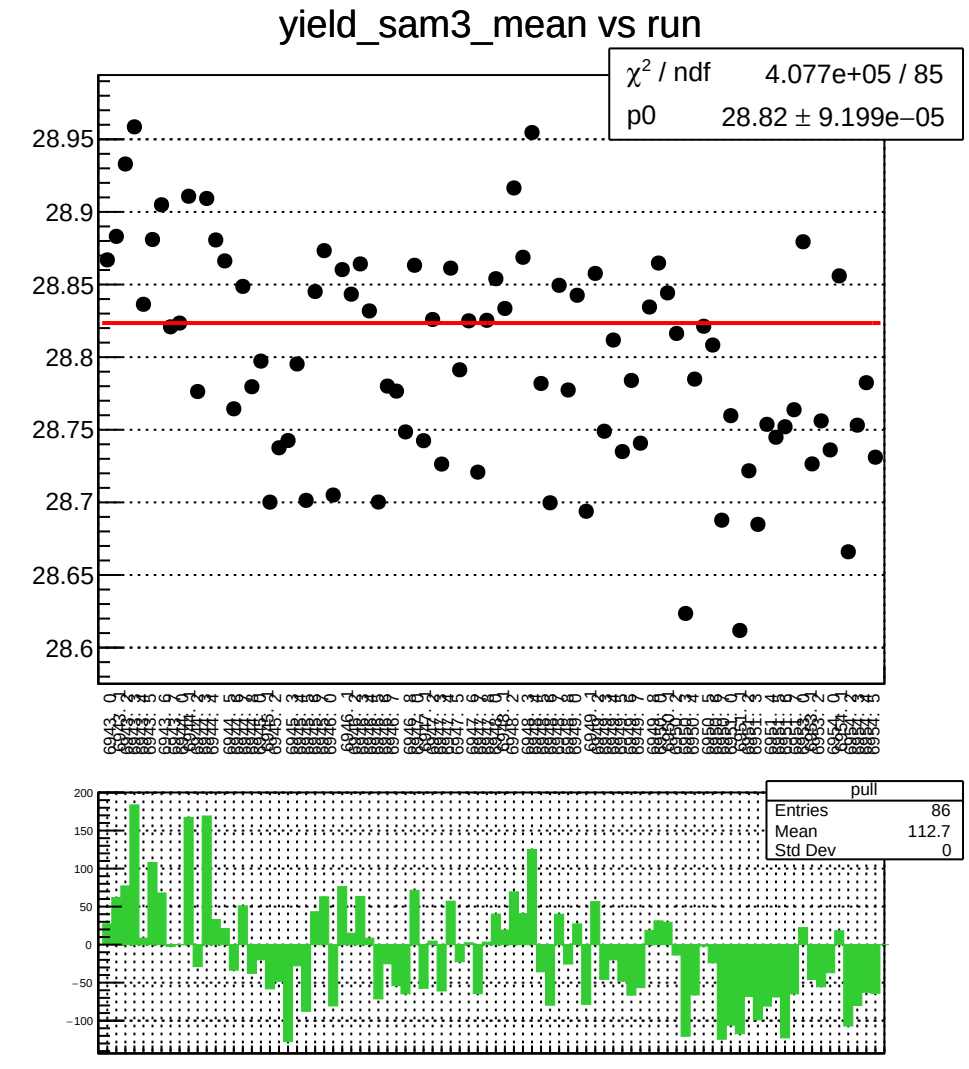

pull1D
Entries 86
Mean 4.368
Std Dev 0.6198
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

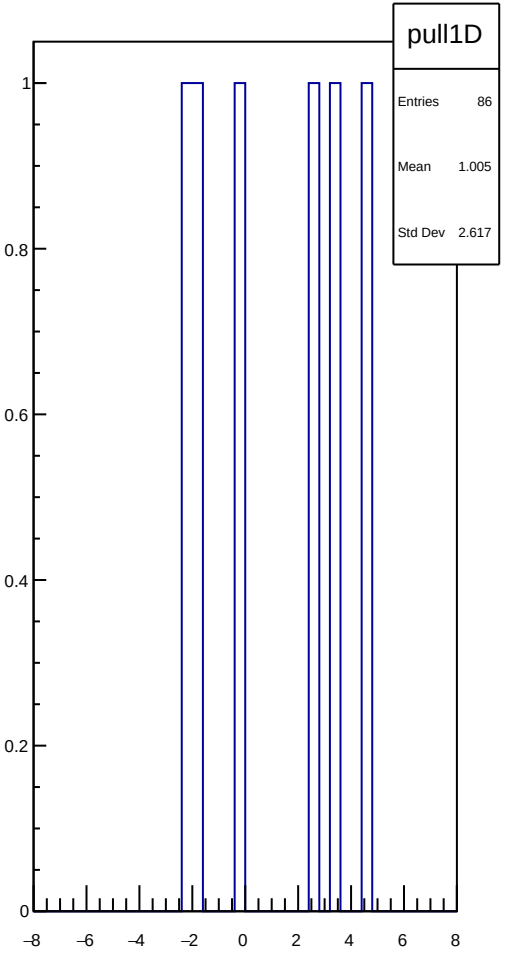

yield_sam1_rms vs run
χ² / ndf 9.063e+04 / 85
p0 0.01036 ± 8.282e–06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

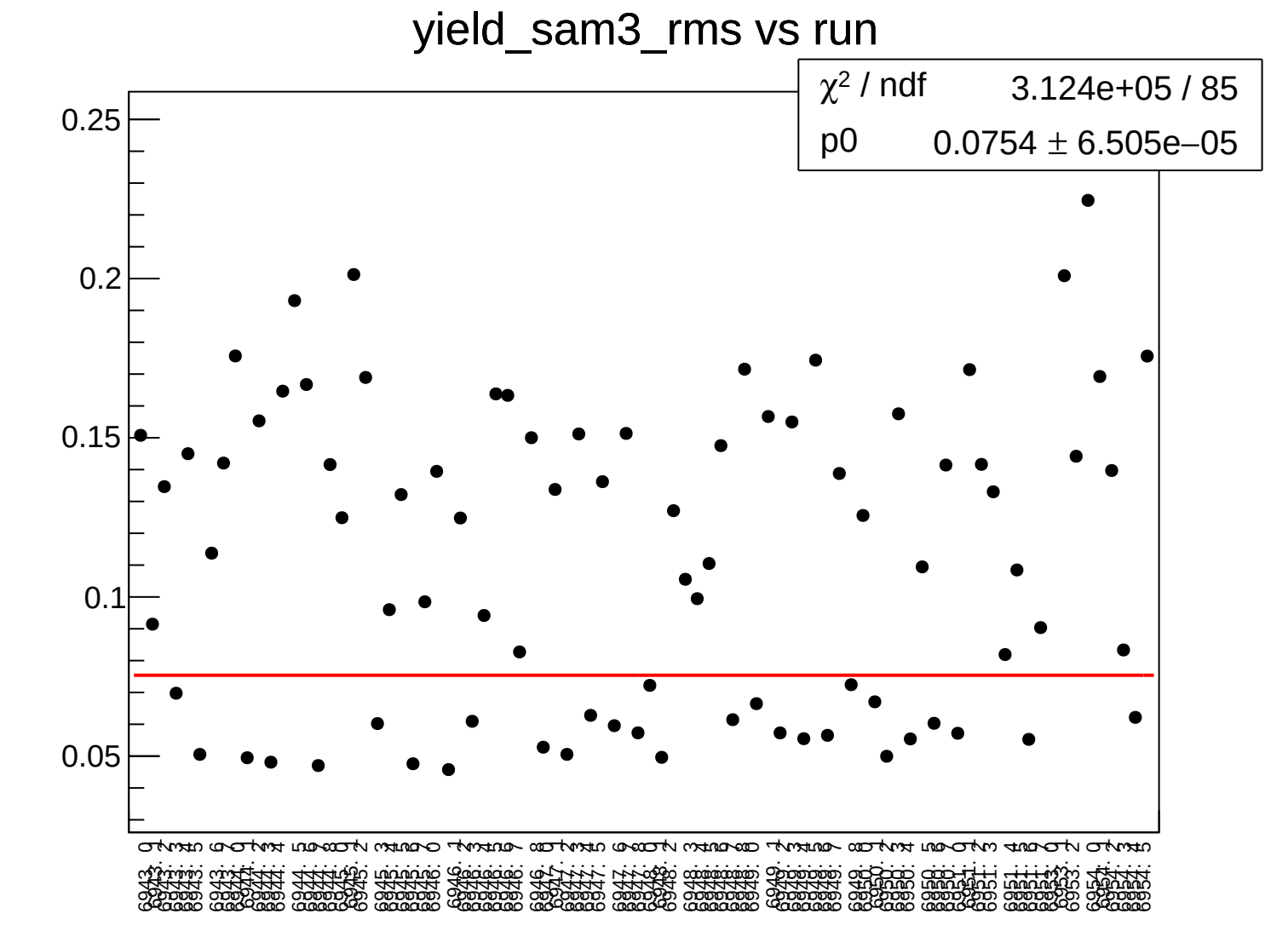

yield_sam2_mean vs run
χ² / ndf 1.443e+06 / 85
p0 24.84 ± 0.0001403
25.2
25.1
25
24.9
24.8
24.7
24.6
24.5
24.4
24.3
pull
Entries 86
Mean −61.99
Std Dev 0
200
100
0
−100
−200
−300

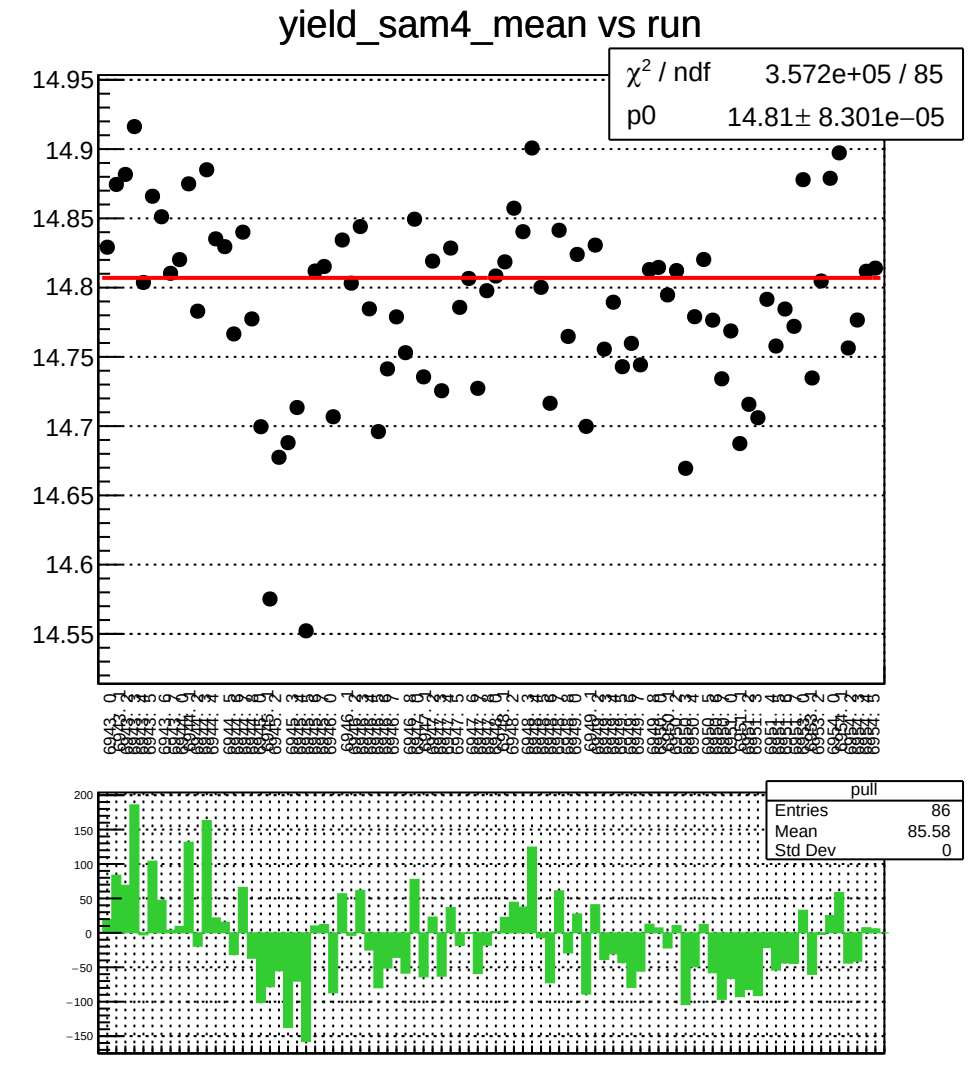

pull1D
Entries 86
Mean 0.5487
Std Dev 3.628
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

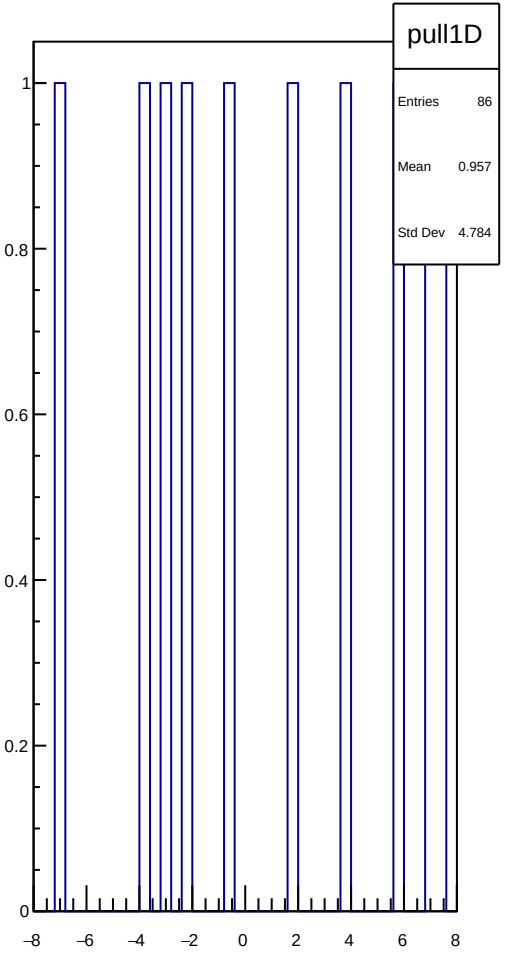

yield_sam2_rms vs run
χ² / ndf 2.212e+05 / 85
p0 0.1189 ± 9.923e−05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

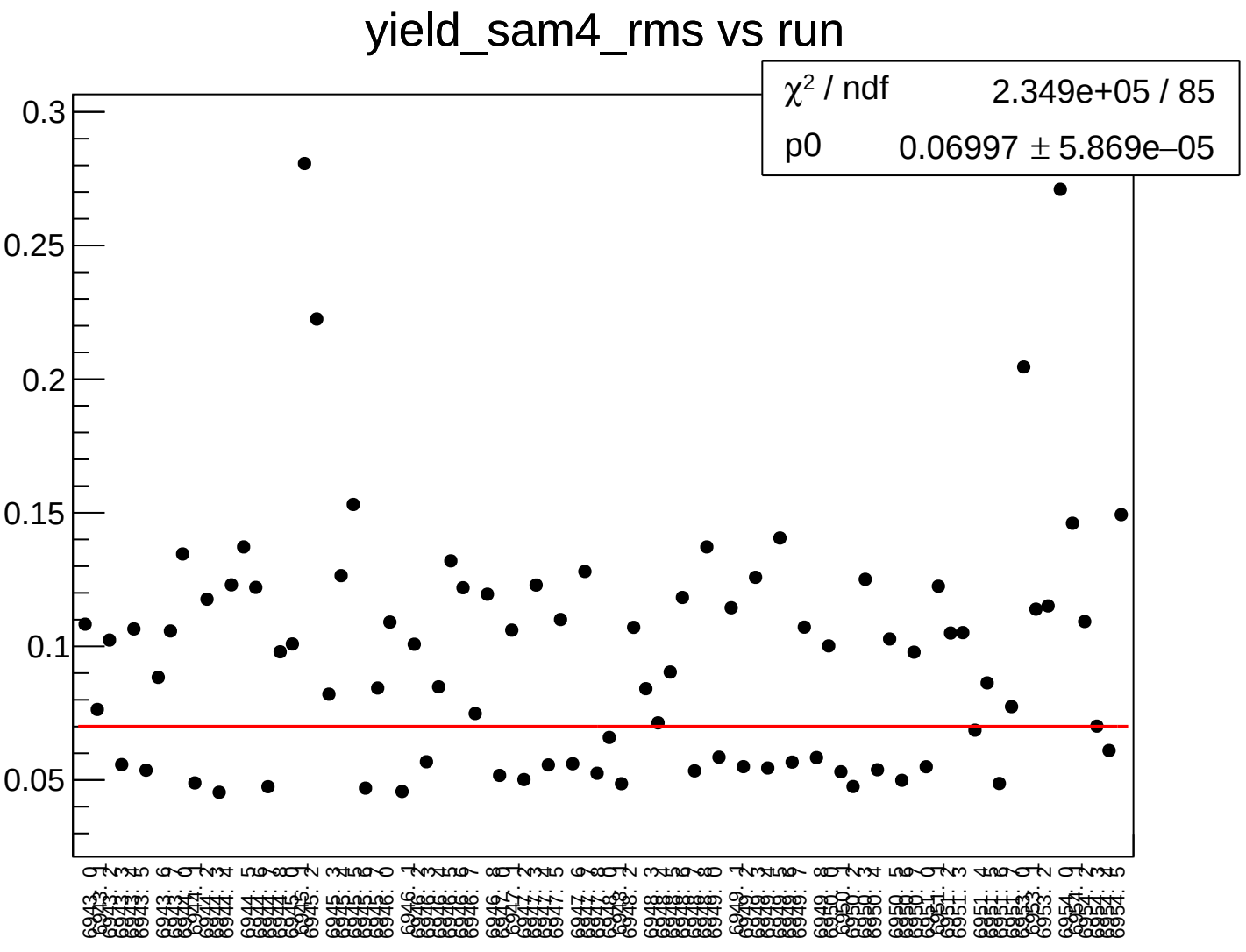

yield_sam3_mean vs run
χ² / ndf 4.077e+05 / 85
p0 28.82 ± 9.199e−05
28.95
28.9
28.85
28.8
28.75
28.7
28.65
28.6
pull
Entries 86
Mean 112.7
Std Dev 0
200
150
100
50
0
−50
−100

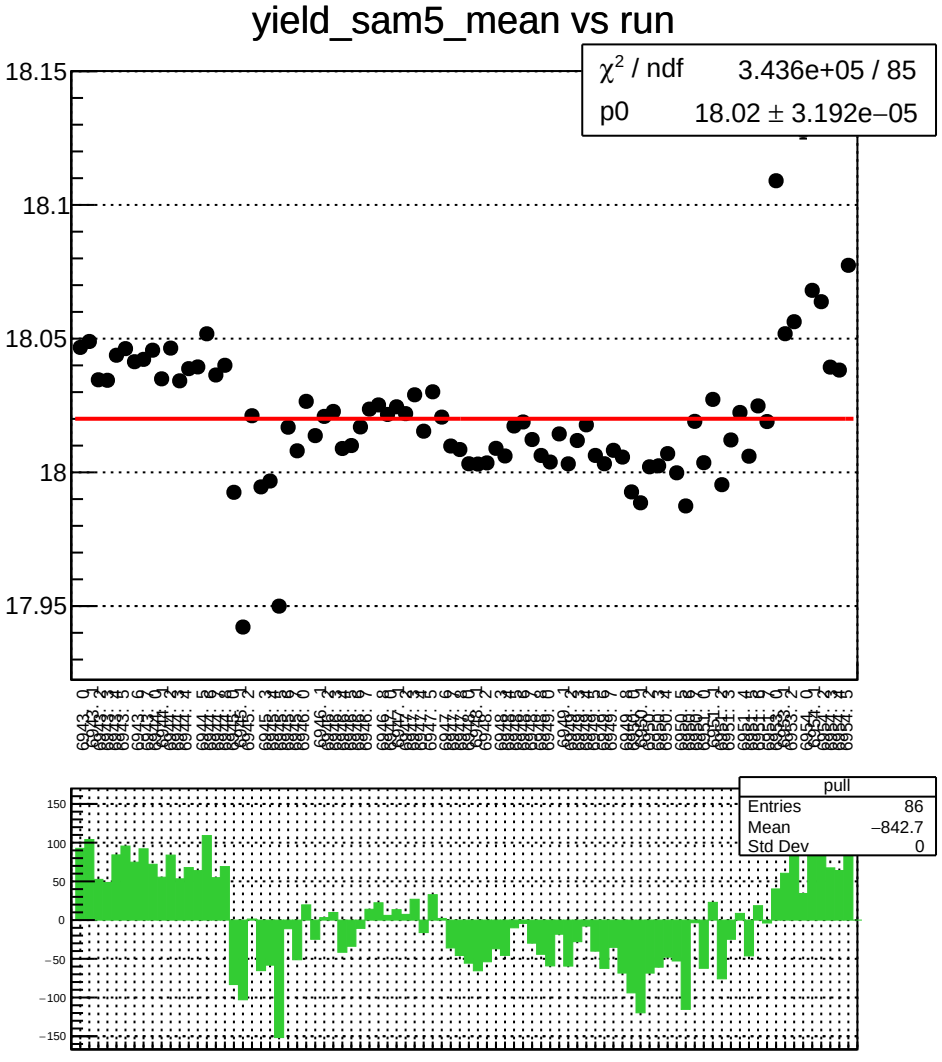

pull1D
Entries 86
Mean 1.005
Std Dev 2.617
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

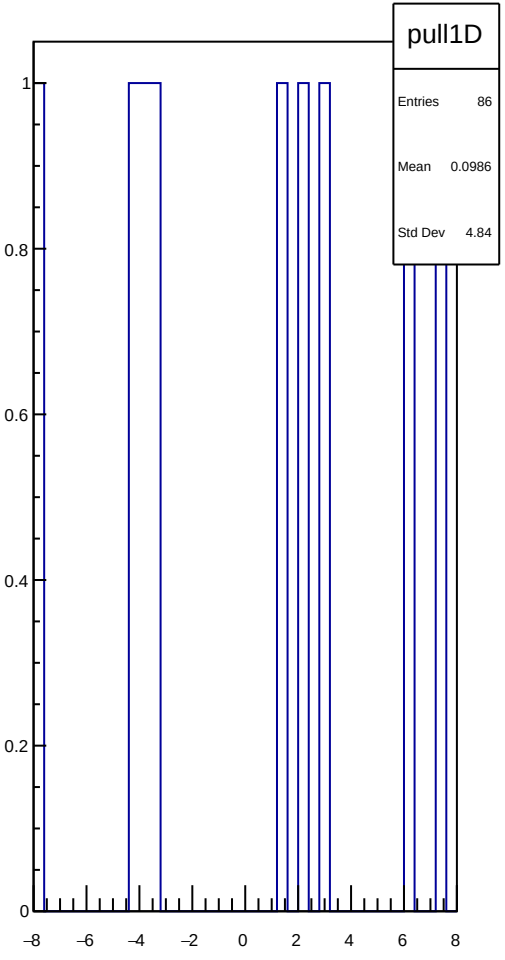

yield_sam3_rms vs run
χ² / ndf 3.124e+05 / 85
p0 0.0754 ± 6.505e−05
0.25
0.2
0.15
0.1
0.05

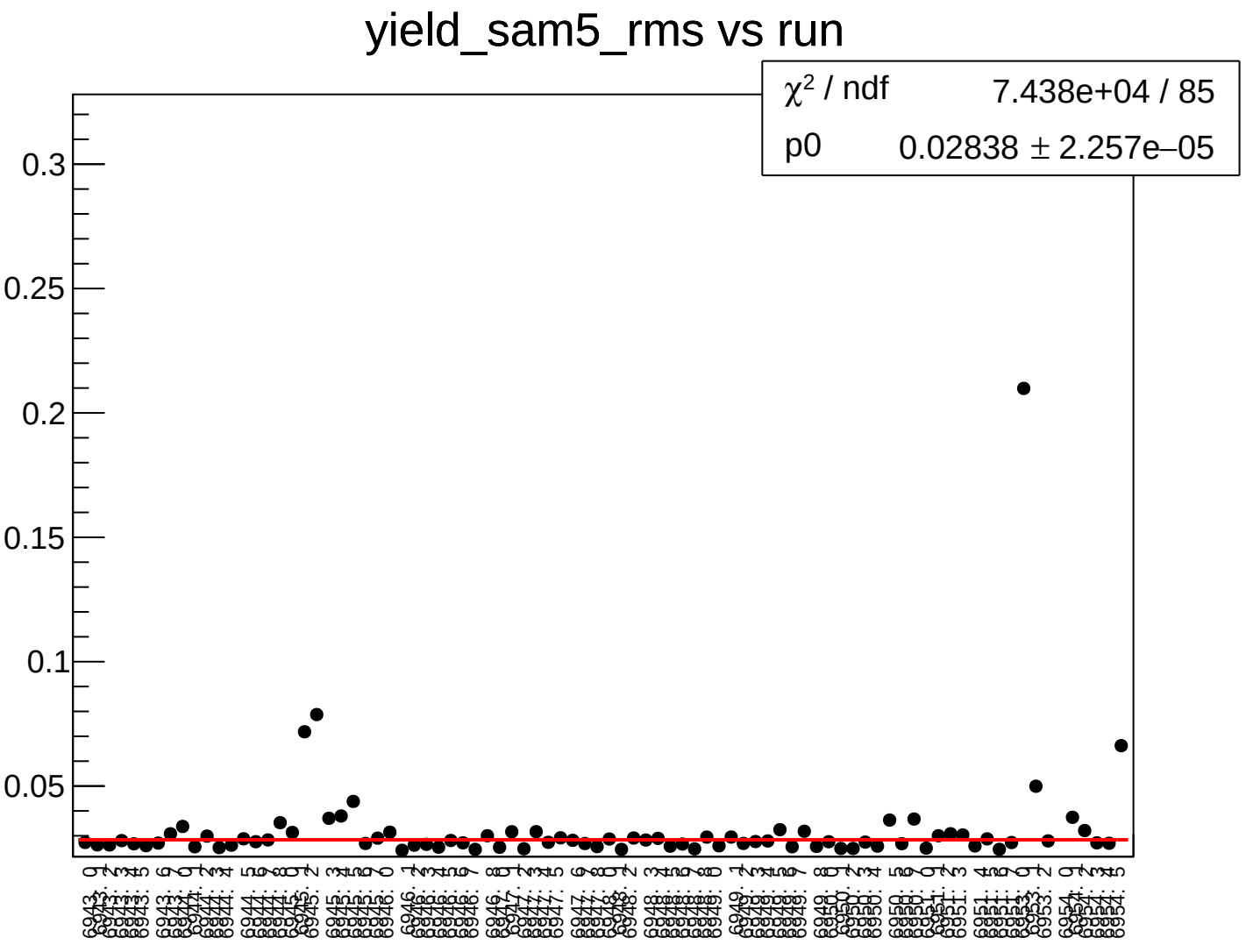

yield_sam4_mean vs run
χ² / ndf 3.572e+05 / 85
p0 14.81± 8.301e−05
14.95
14.9
14.85
14.8
14.75
14.7
14.65
14.6
14.55
pull
Entries 86
Mean 85.58
Std Dev 0
200
150
100
50
0
−50
−100
−150

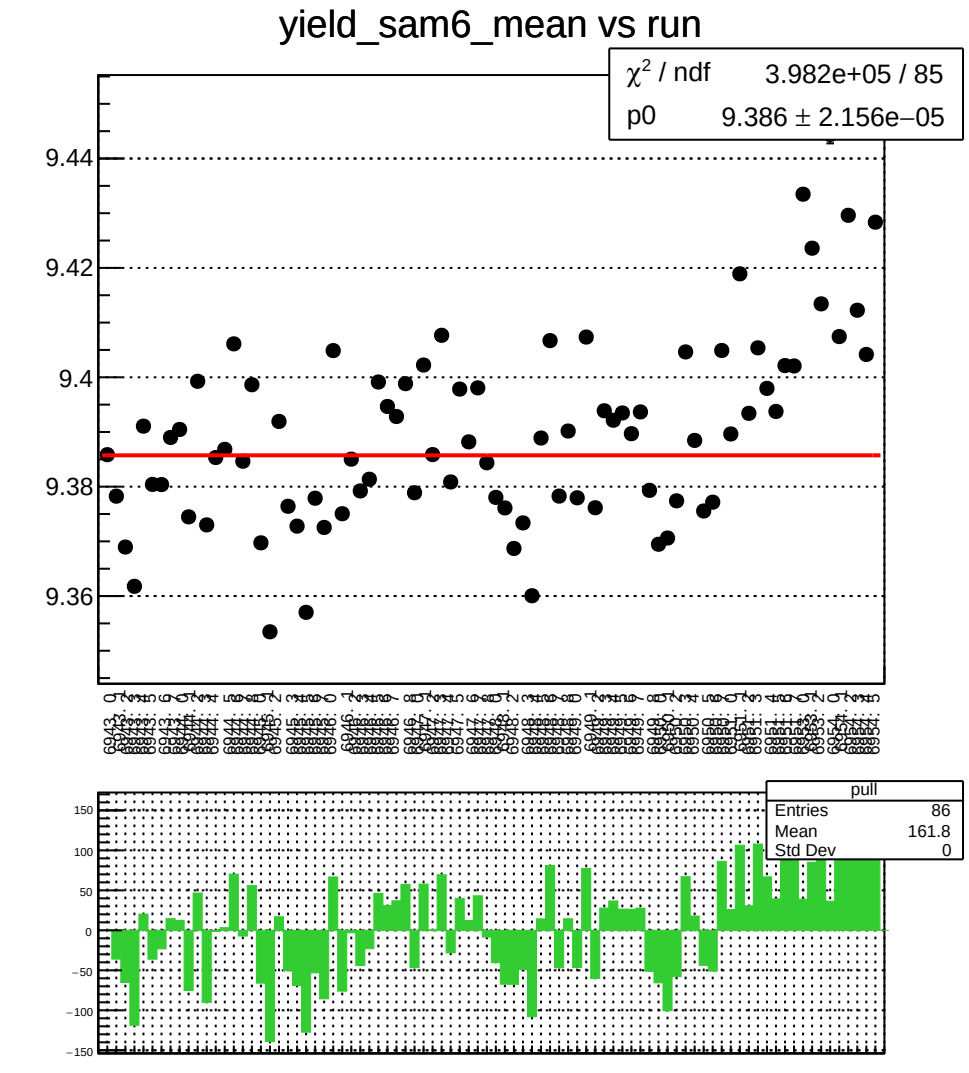

pull1D
Entries 86
Mean 0.957
Std Dev 4.784
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

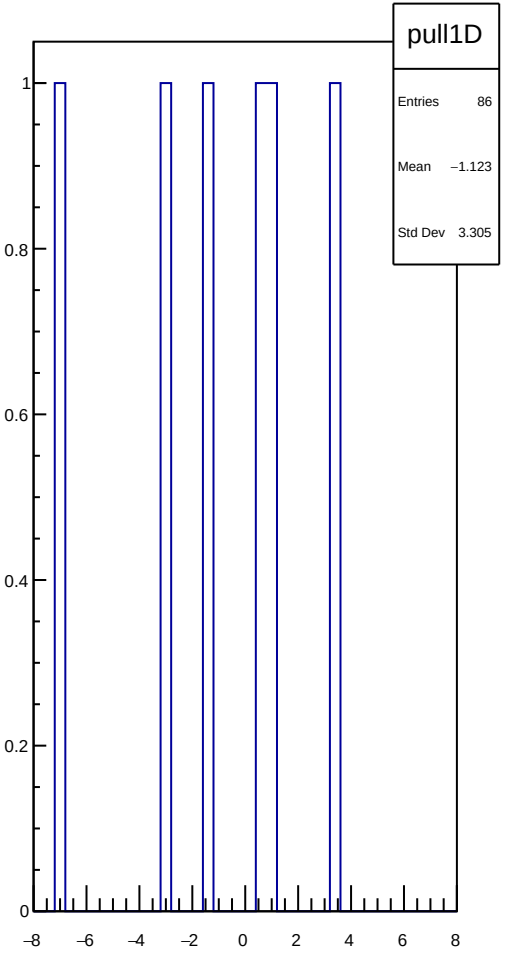

yield_sam4_rms vs run
χ² / ndf 2.349e+05 / 85
p0 0.06997 ± 5.869e–05
0.3
0.25
0.2
0.15
0.1
0.05

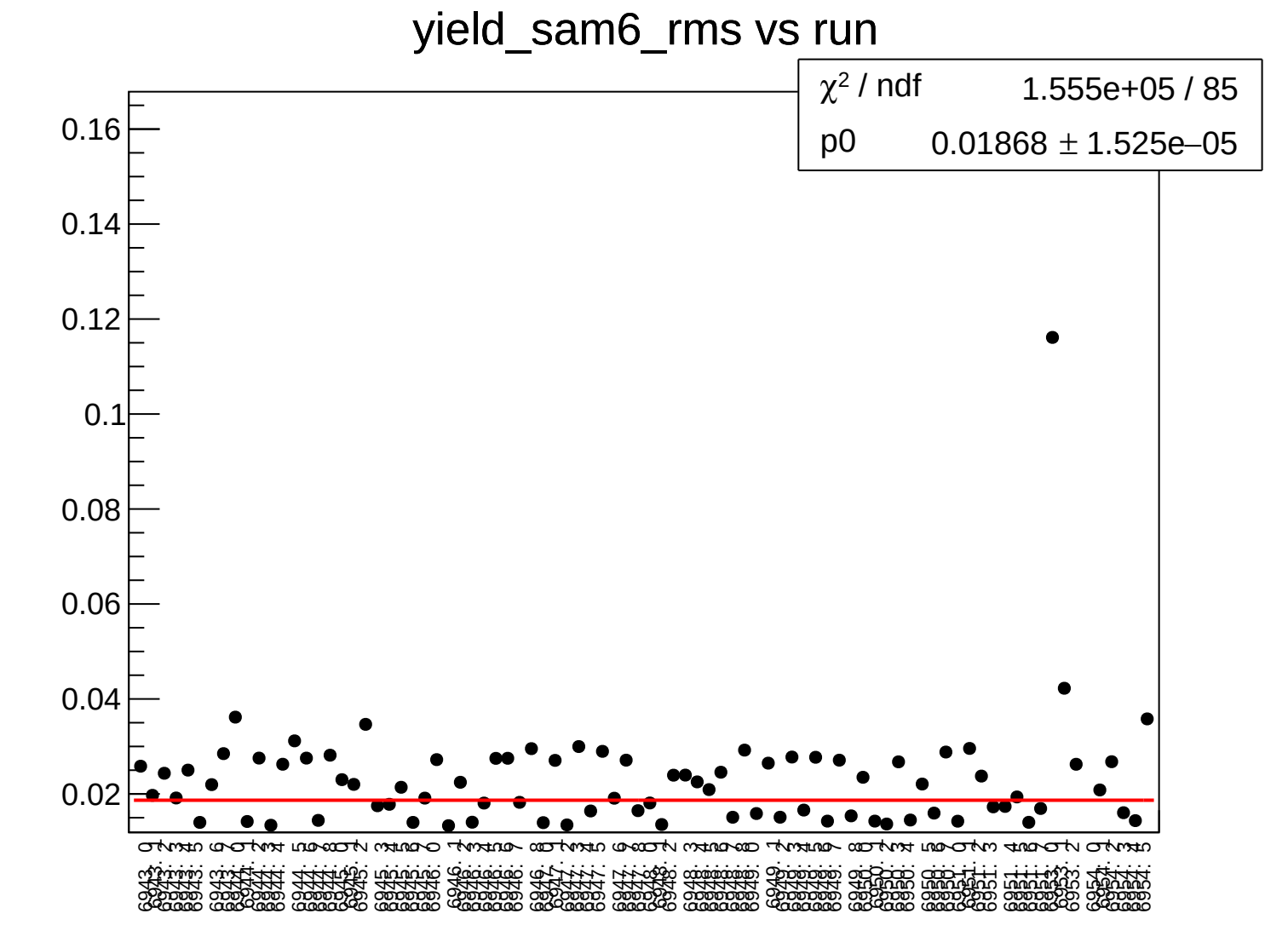

yield_sam5_mean vs run
χ² / ndf 3.436e+05 / 85
p0 18.02 ± 3.192e−05
18.15
18.1
18.05
18
17.95
pull
Entries 86
Mean −842.7
Std Dev 0
150
100
50
0
−50
−100
−150

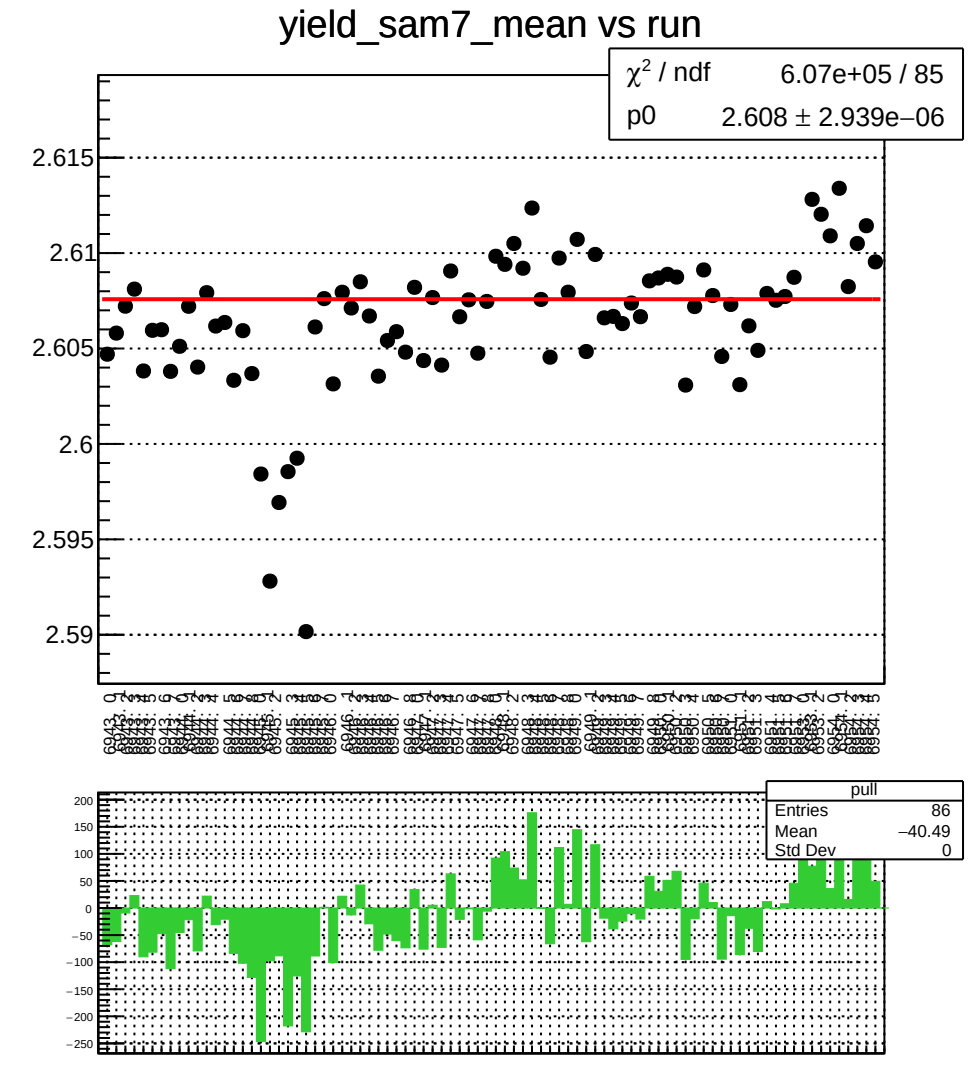

pull1D
Entries 86
Mean 0.0986
Std Dev 4.84
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

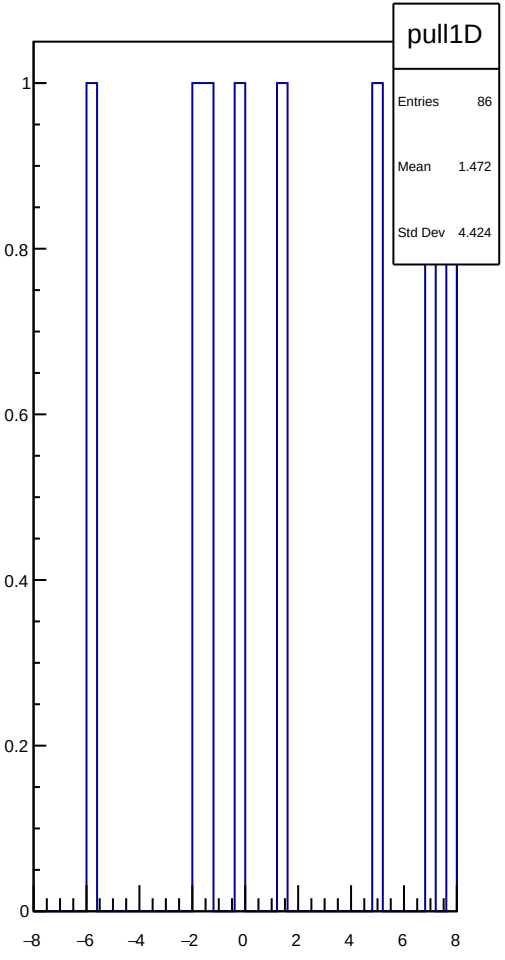

yield_sam5_rms vs run
χ² / ndf 7.438e+04 / 85
p0 0.02838 ± 2.257e–05
0.3
0.25
0.2
0.15
0.1
0.05

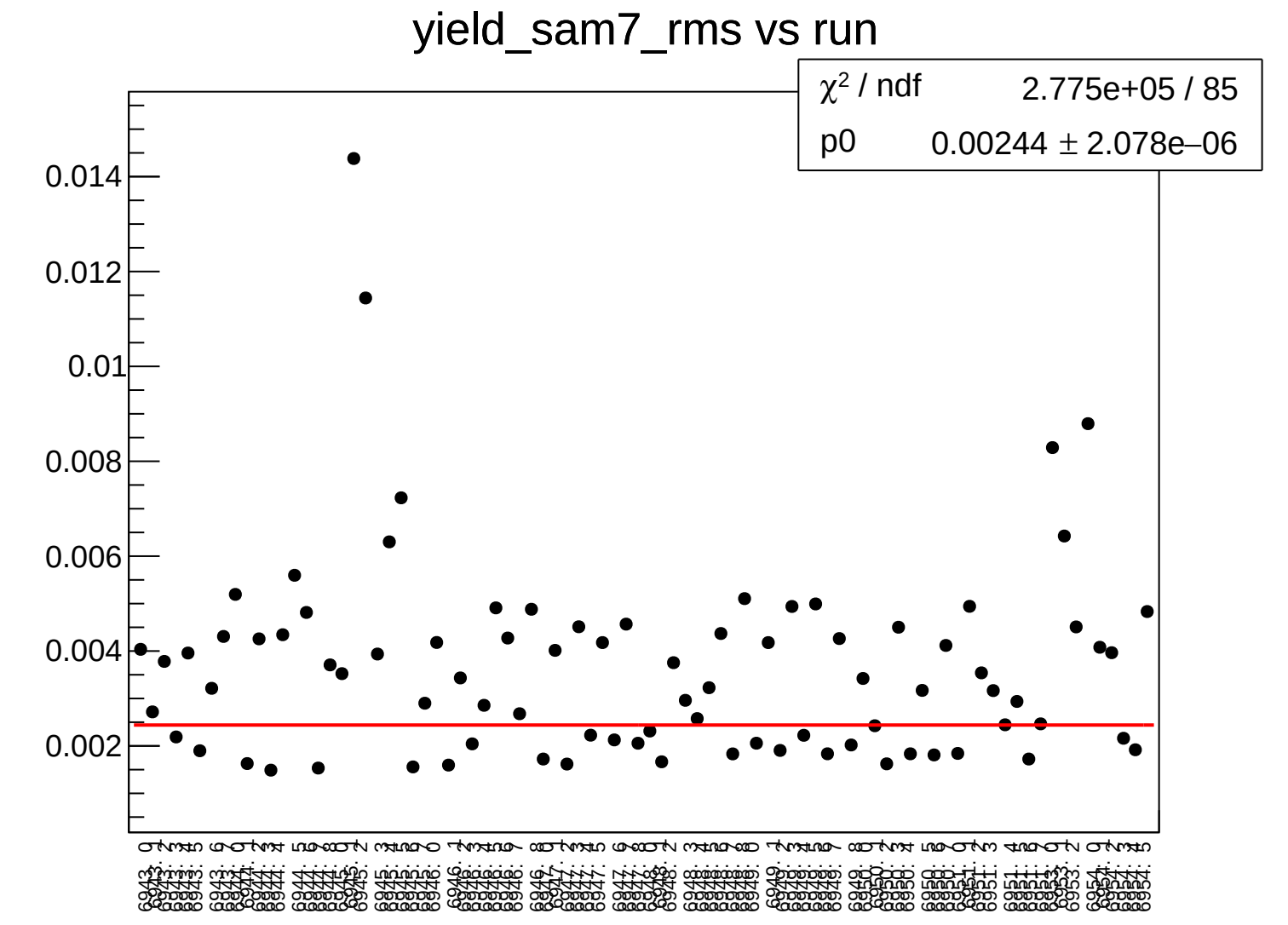

yield_sam6_mean vs run
χ² / ndf 3.982e+05 / 85
p0 9.386 ± 2.156e−05
9.44
9.42
9.4
9.38
9.36
pull
Entries 86
Mean 161.8
Std Dev 0
150
100
50
0
−50
−100
−150

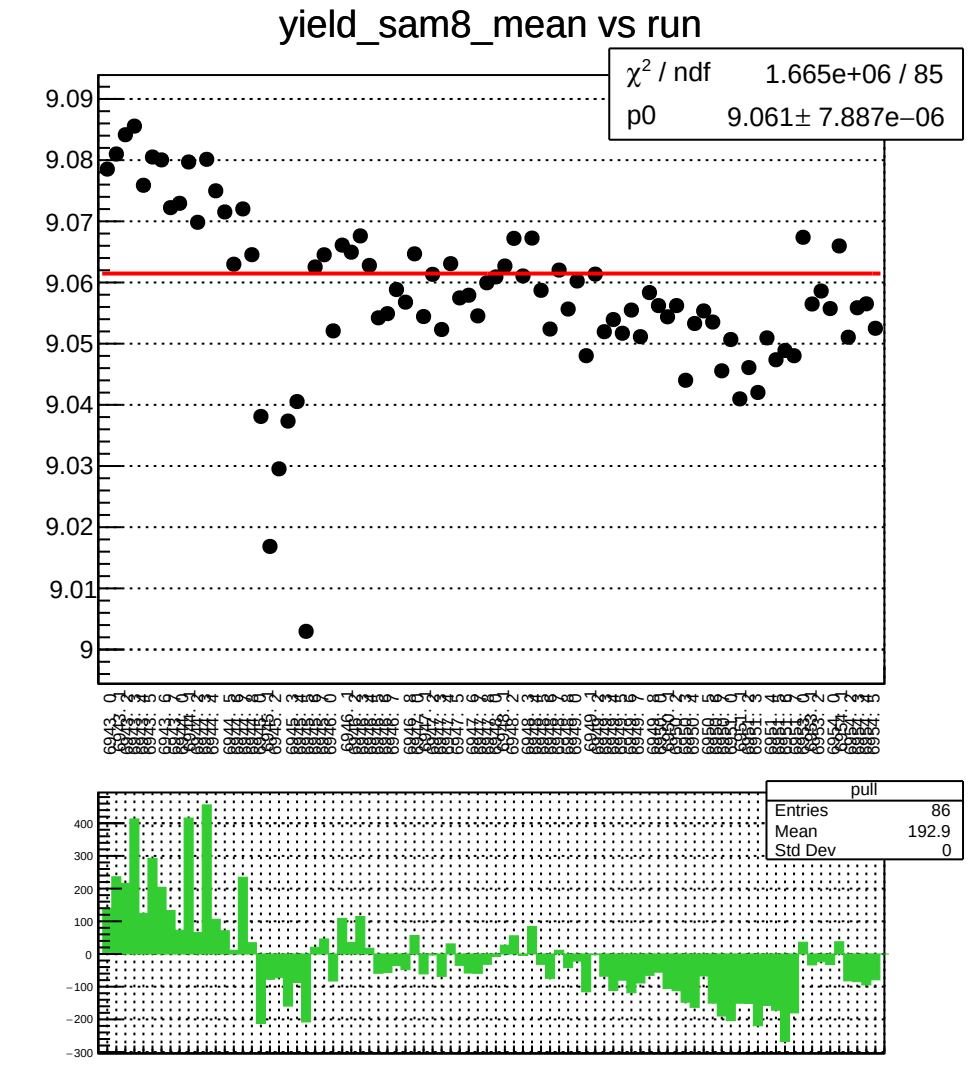

pull1D
Entries 86
Mean −1.123
Std Dev 3.305
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

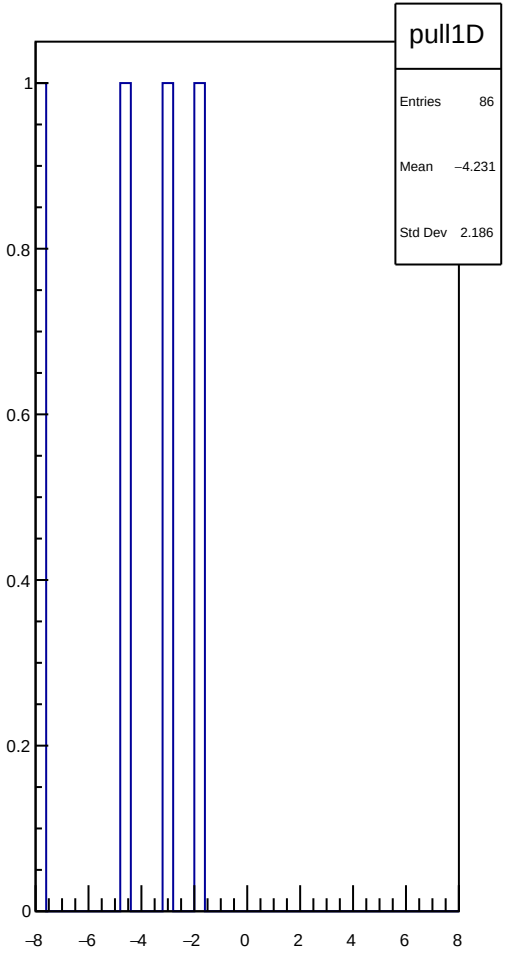

yield_sam6_rms vs run
χ² / ndf 1.555e+05 / 85
p0 0.01868 ± 1.525e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

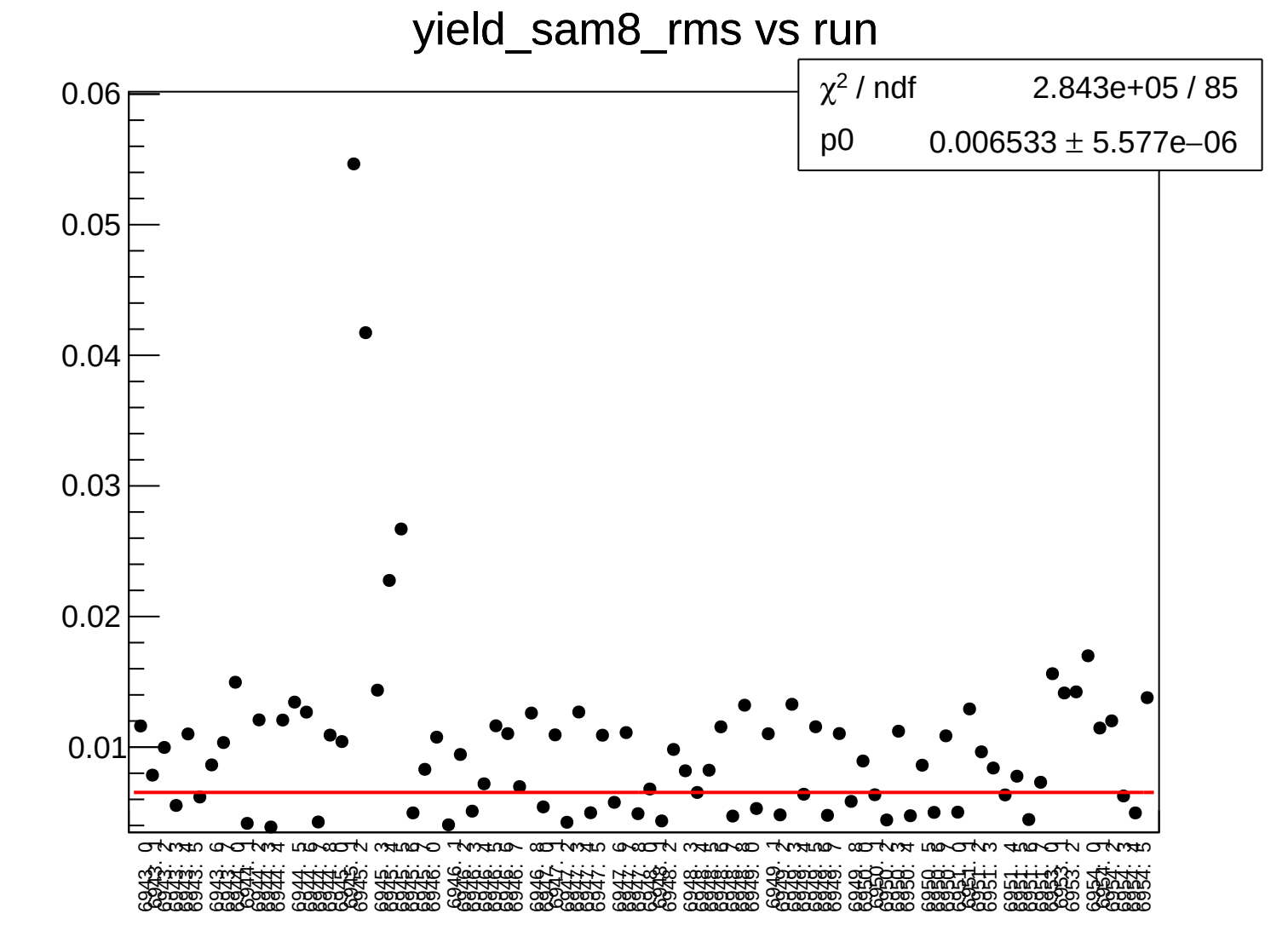

yield_sam7_mean vs run
χ² / ndf 6.07e+05 / 85
p0 2.608 ± 2.939e−06
2.615
2.61
2.605
2.6
2.595
2.59
pull
Entries 86
Mean −40.49
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

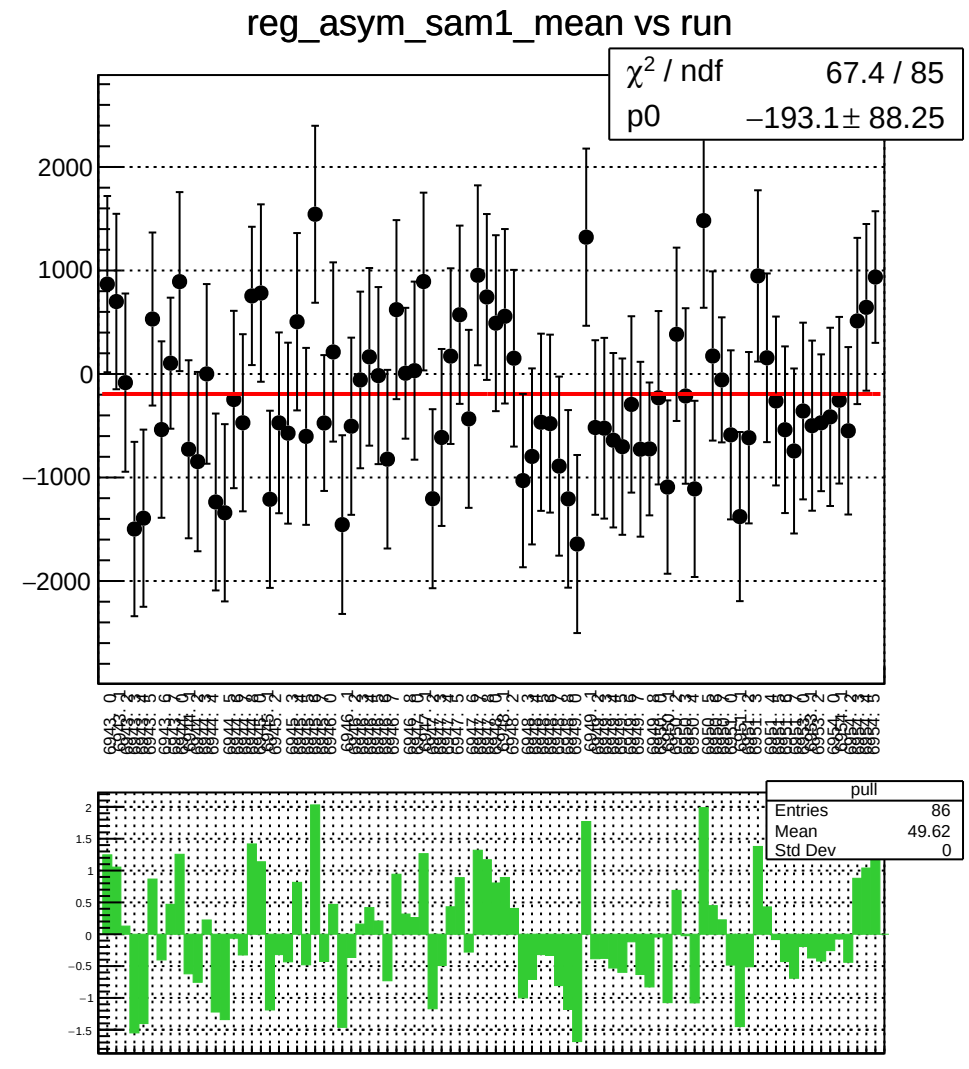

pull1D
Entries 86
Mean 1.472
Std Dev 4.424
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

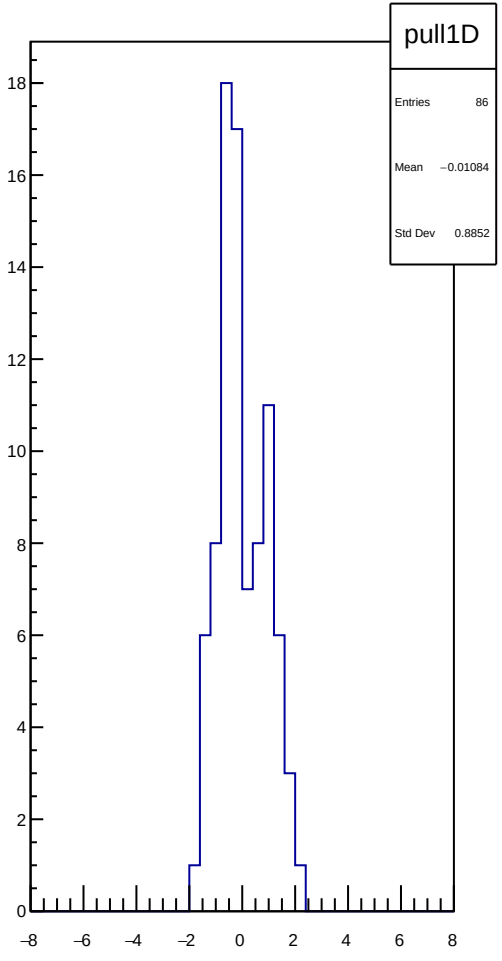

yield_sam7_rms vs run
χ² / ndf 2.775e+05 / 85
p0 0.00244 ± 2.078e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

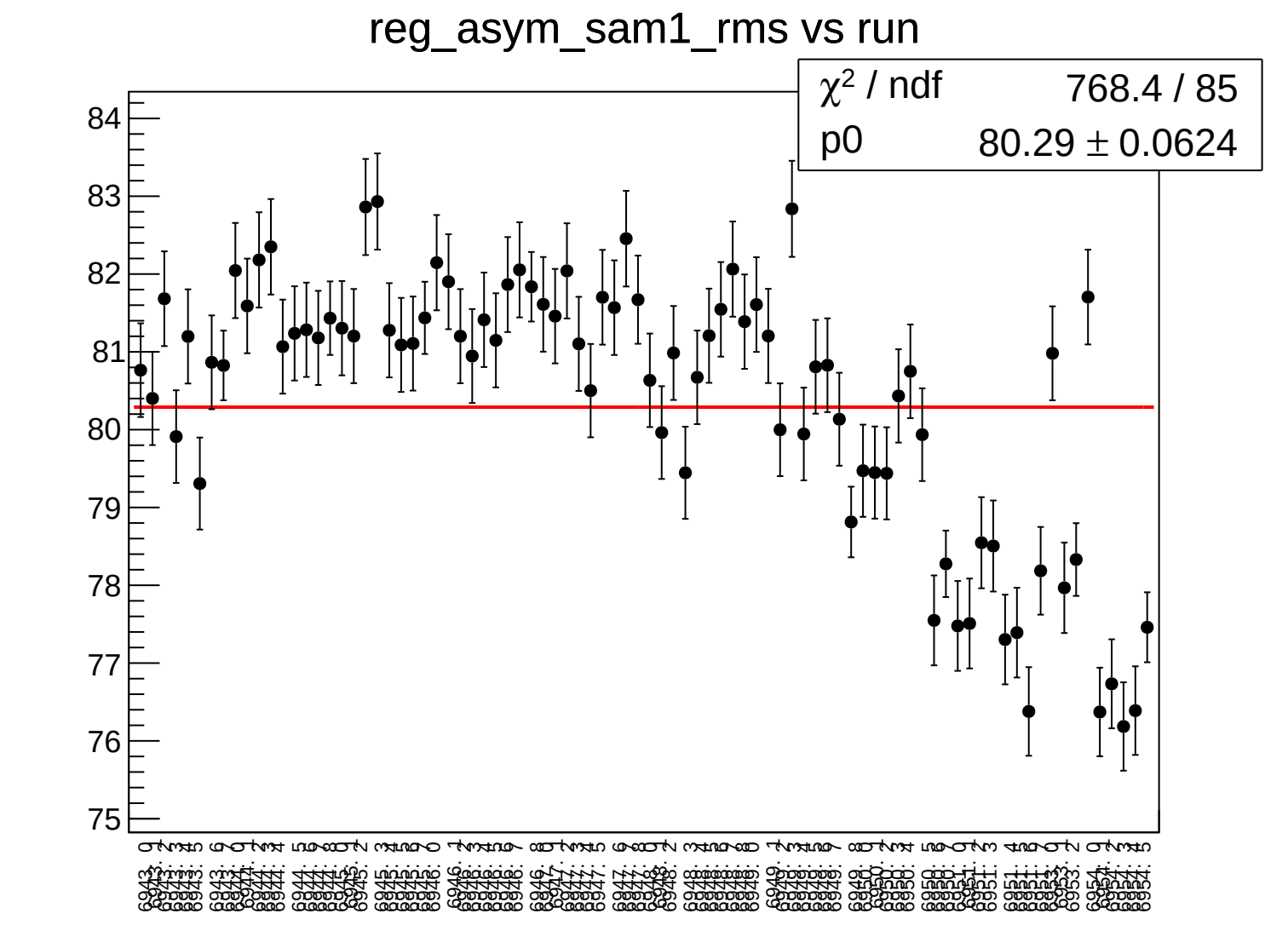

yield_sam8_mean vs run
χ² / ndf 1.665e+06 / 85
p0 9.061± 7.887e−06
9.09
9.08
9.07
9.06
9.05
9.04
9.03
9.02
9.01
9
pull
Entries 86
Mean 192.9
Std Dev 0
400
300
200
100
0
−100
−200
−300

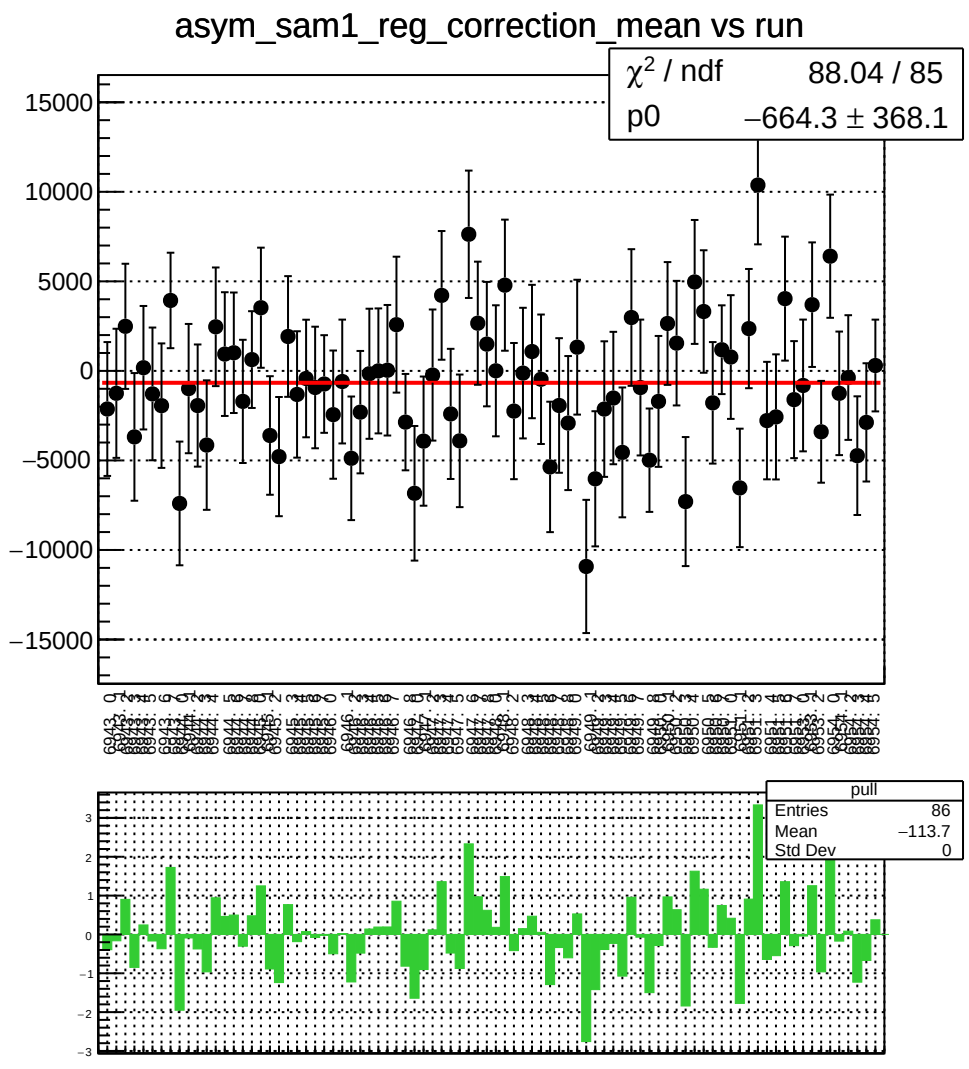

pull1D
Entries 86
Mean −4.231
Std Dev 2.186
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

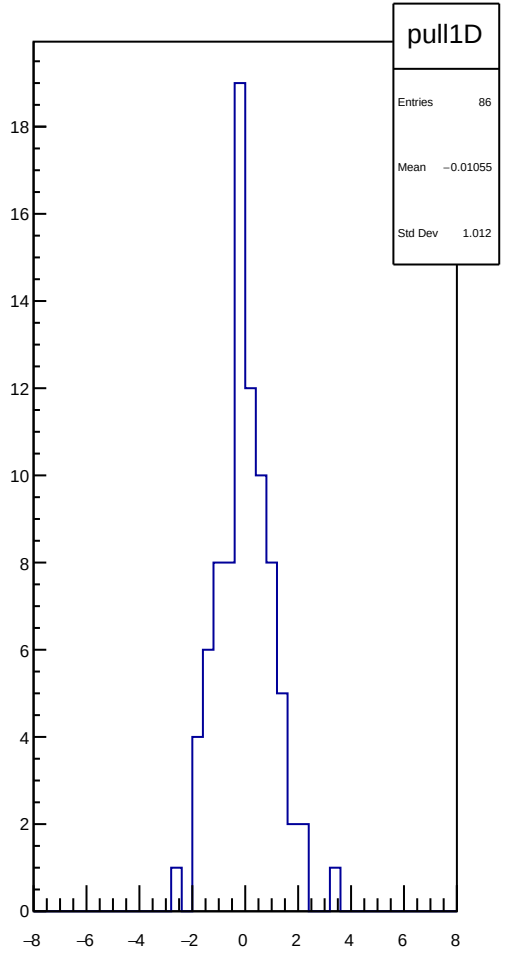

yield_sam8_rms vs run
χ² / ndf 2.843e+05 / 85
p0 0.006533 ± 5.577e−06
0.06
0.05
0.04
0.03
0.02
0.01

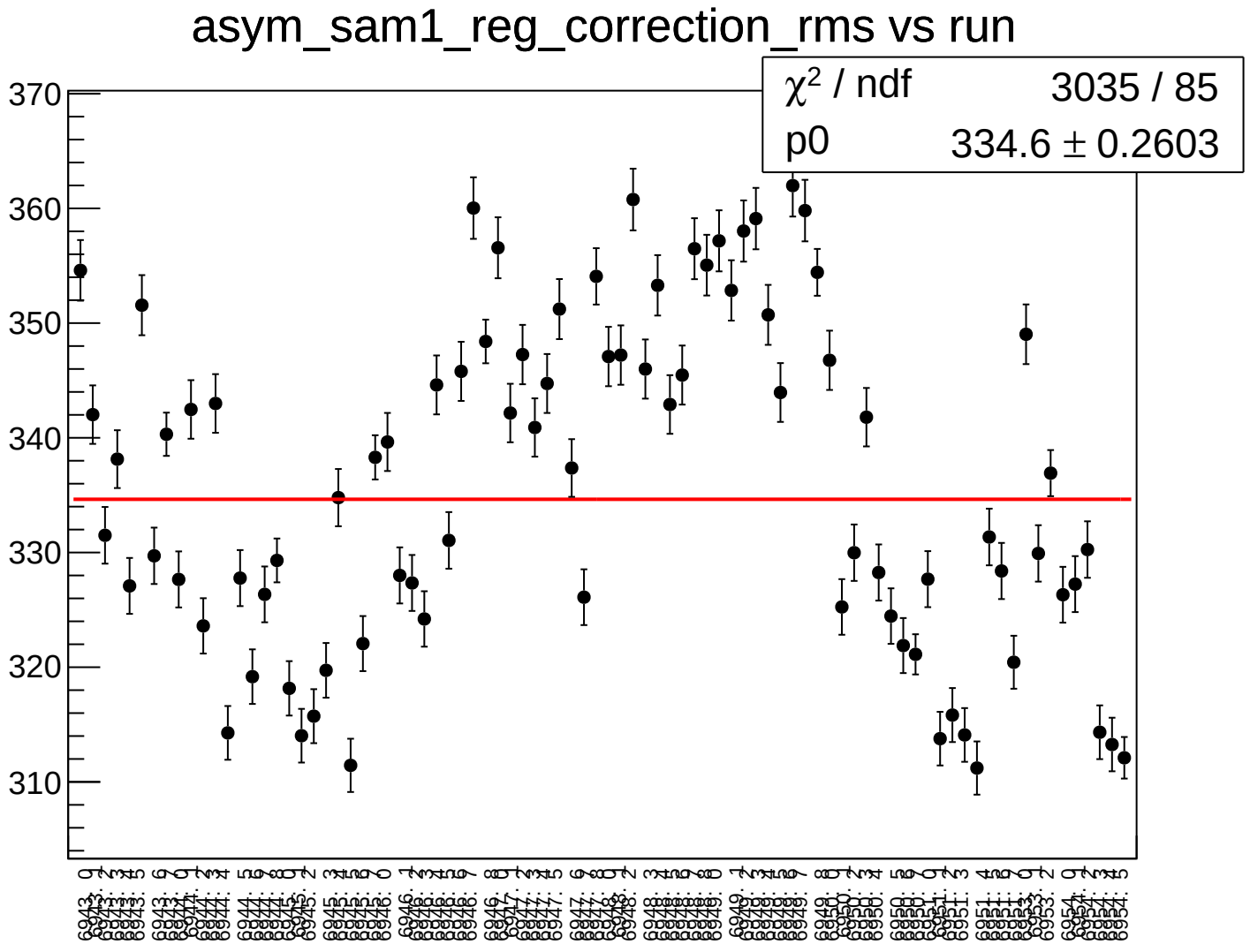

reg_asym_sam1_mean vs run
χ² / ndf 67.4 / 85
p0 −193.1± 88.25
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 49.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

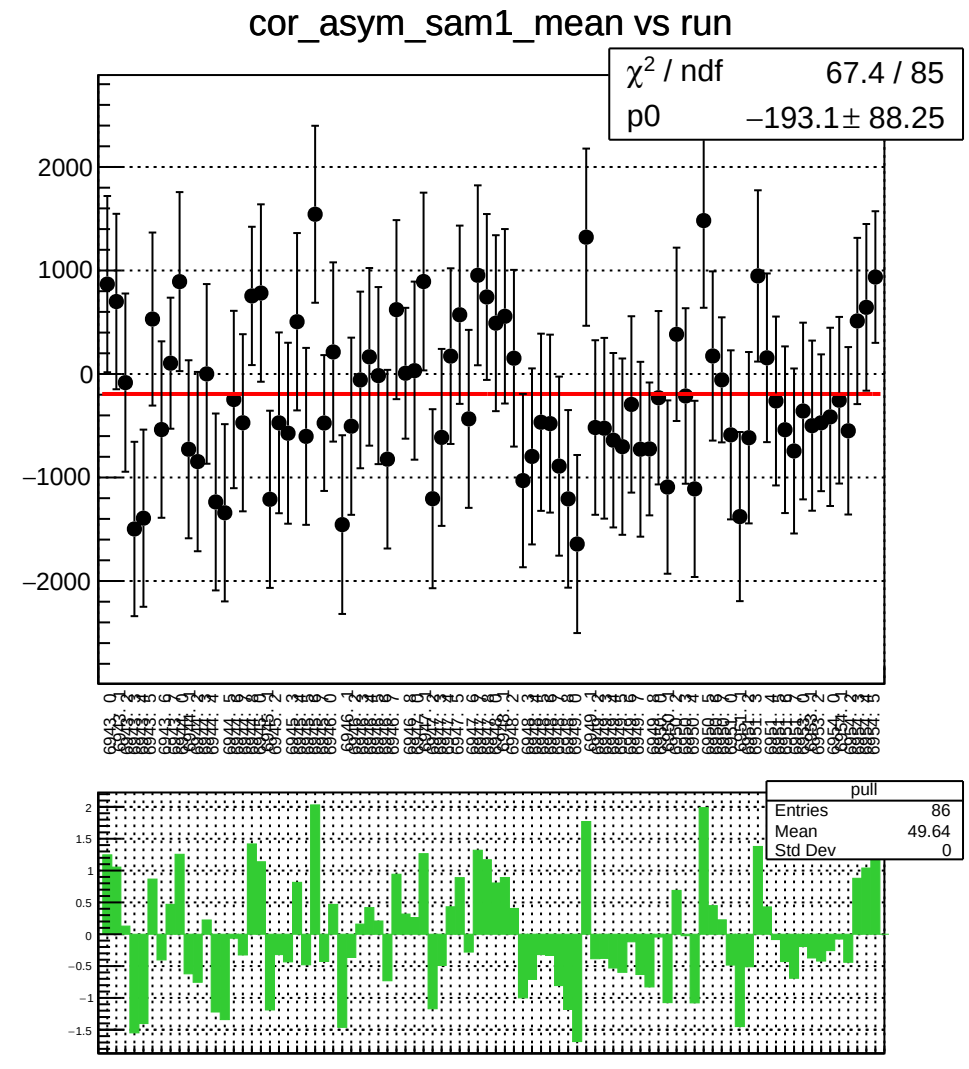

pull1D
Entries 86
Mean −0.01084
Std Dev 0.8852
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

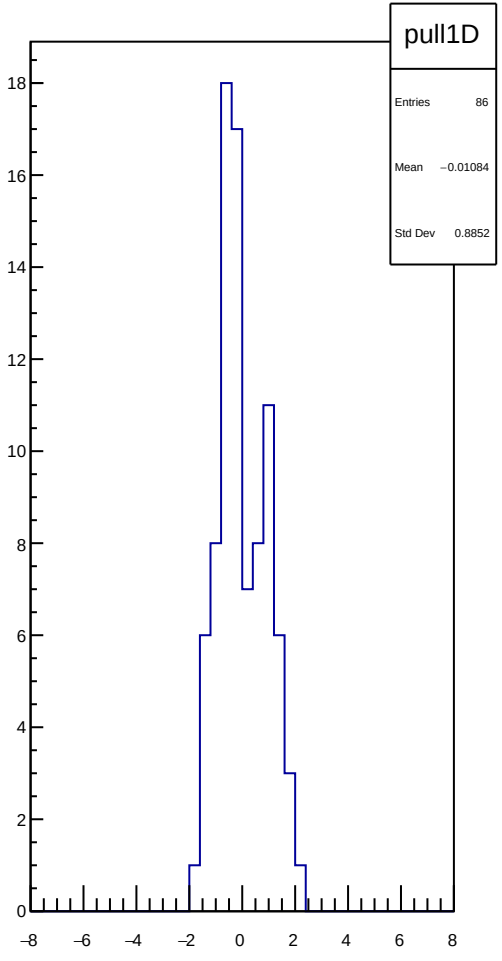

reg_asym_sam1_rms vs run
χ² / ndf 768.4 / 85
p0 80.29 ± 0.0624
84
83
82
81
80
79
78
77
76
75

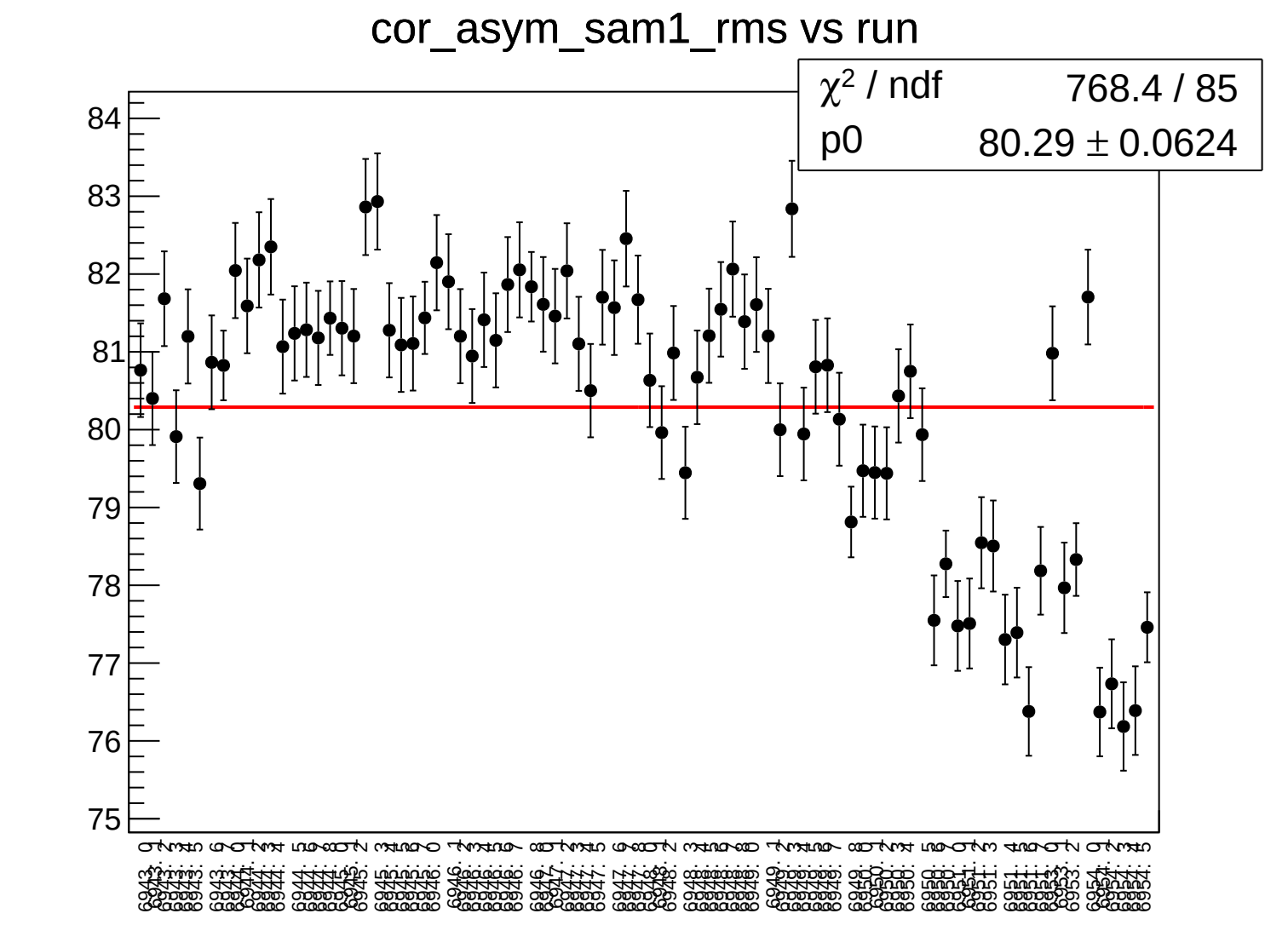

asym_sam1_reg_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −664.3 ± 368.1
pull
Entries 86
Mean −113.7
Std Dev 0

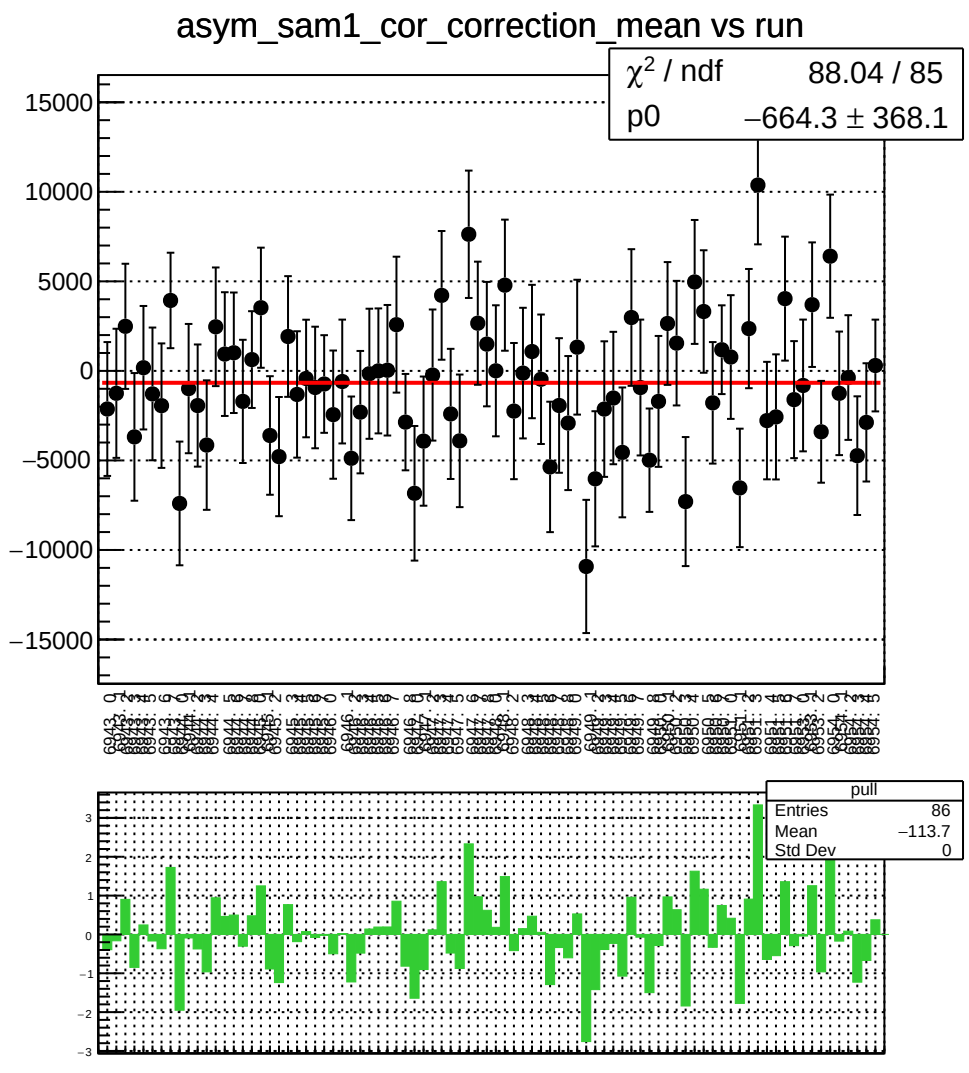

pull1D
Entries 86
Mean −0.01055
Std Dev 1.012

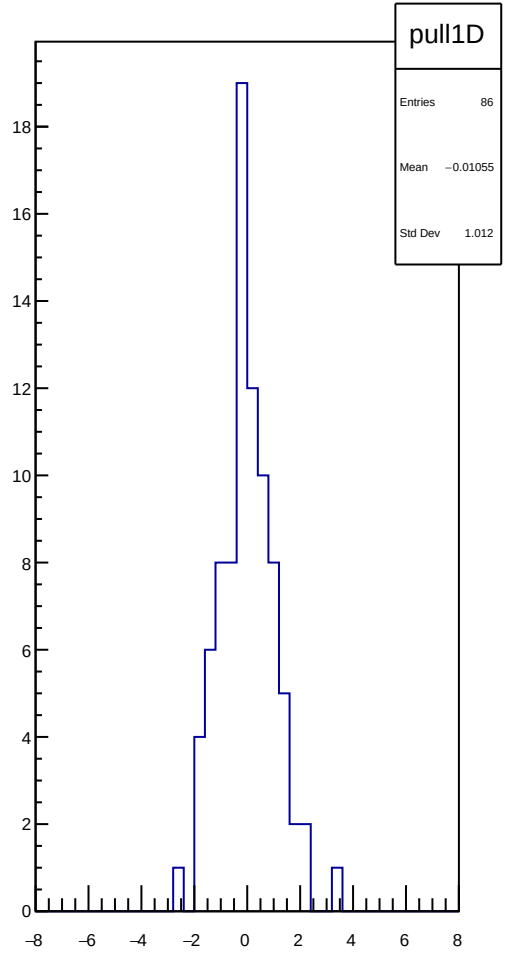

asym_sam1_reg_correction_rms vs run
χ² / ndf 3035 / 85
p0 334.6 ± 0.2603
370
360
350
340
330
320
310

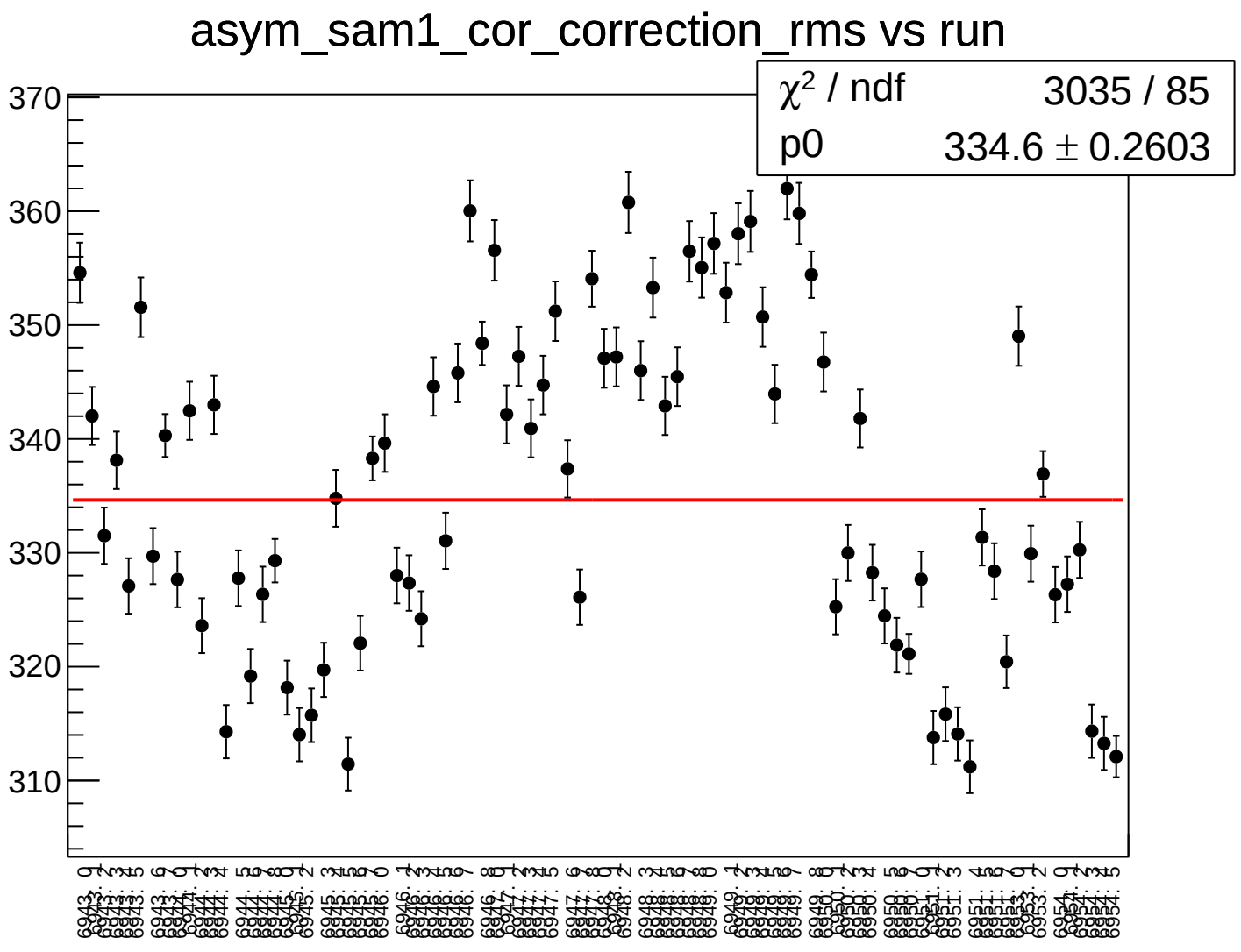

cor_asym_sam1_mean vs run
χ² / ndf 67.4 / 85
p0 −193.1± 88.25
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 49.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

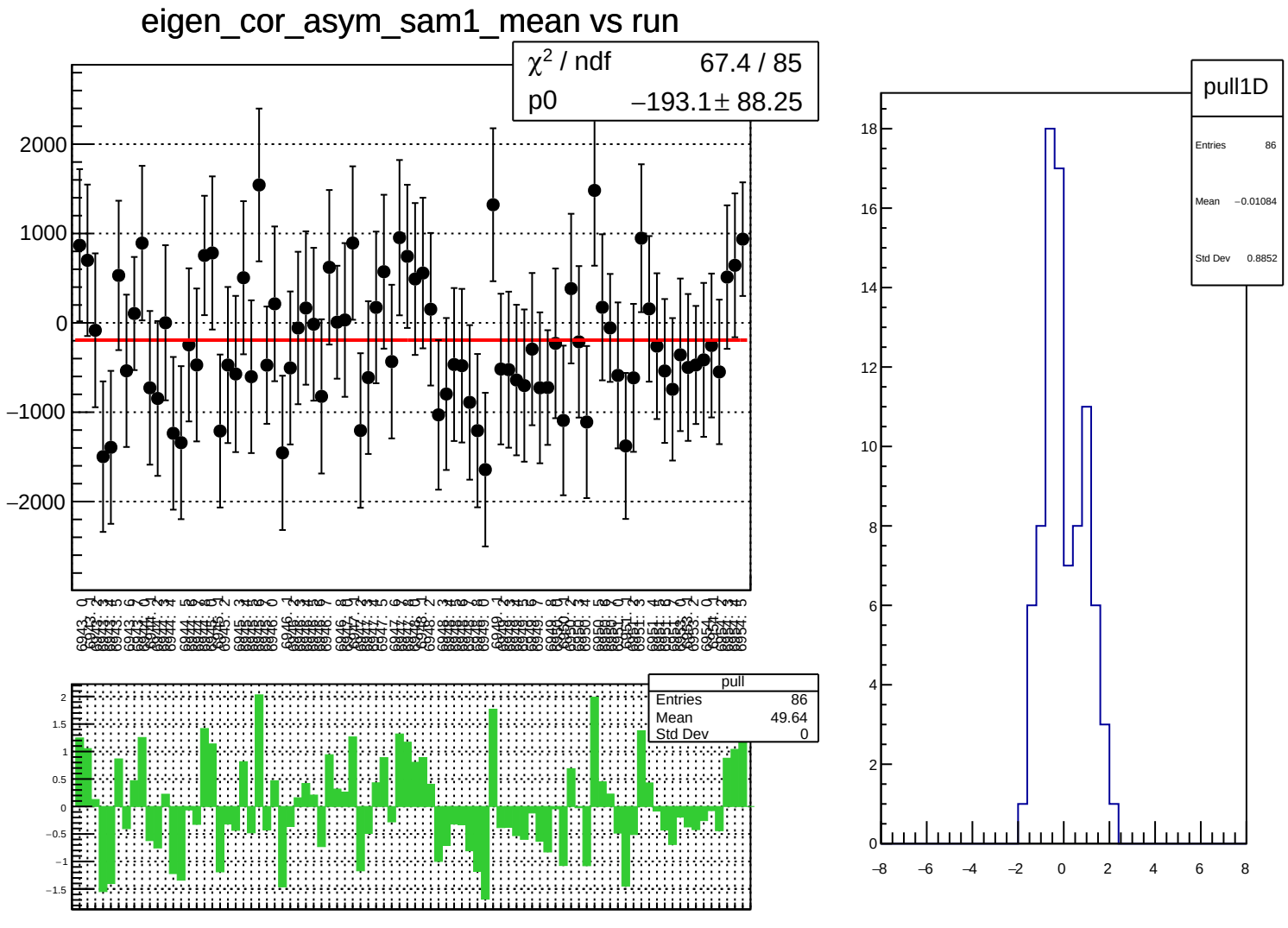

pull1D
Entries 86
Mean −0.01084
Std Dev 0.8852
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

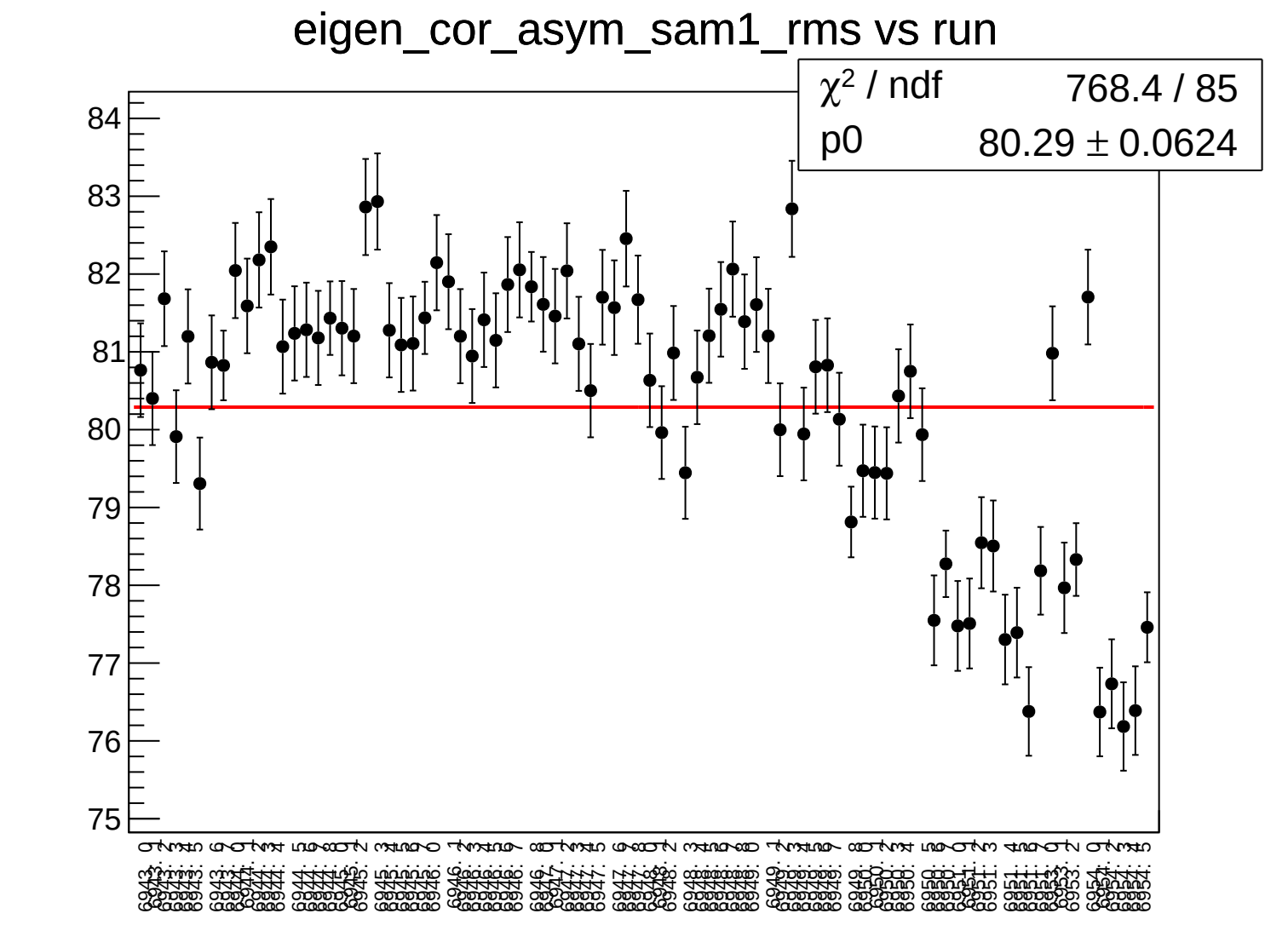

cor_asym_sam1_rms vs run
χ² / ndf 768.4 / 85
p0 80.29 ± 0.0624
84
83
82
81
80
79
78
77
76
75

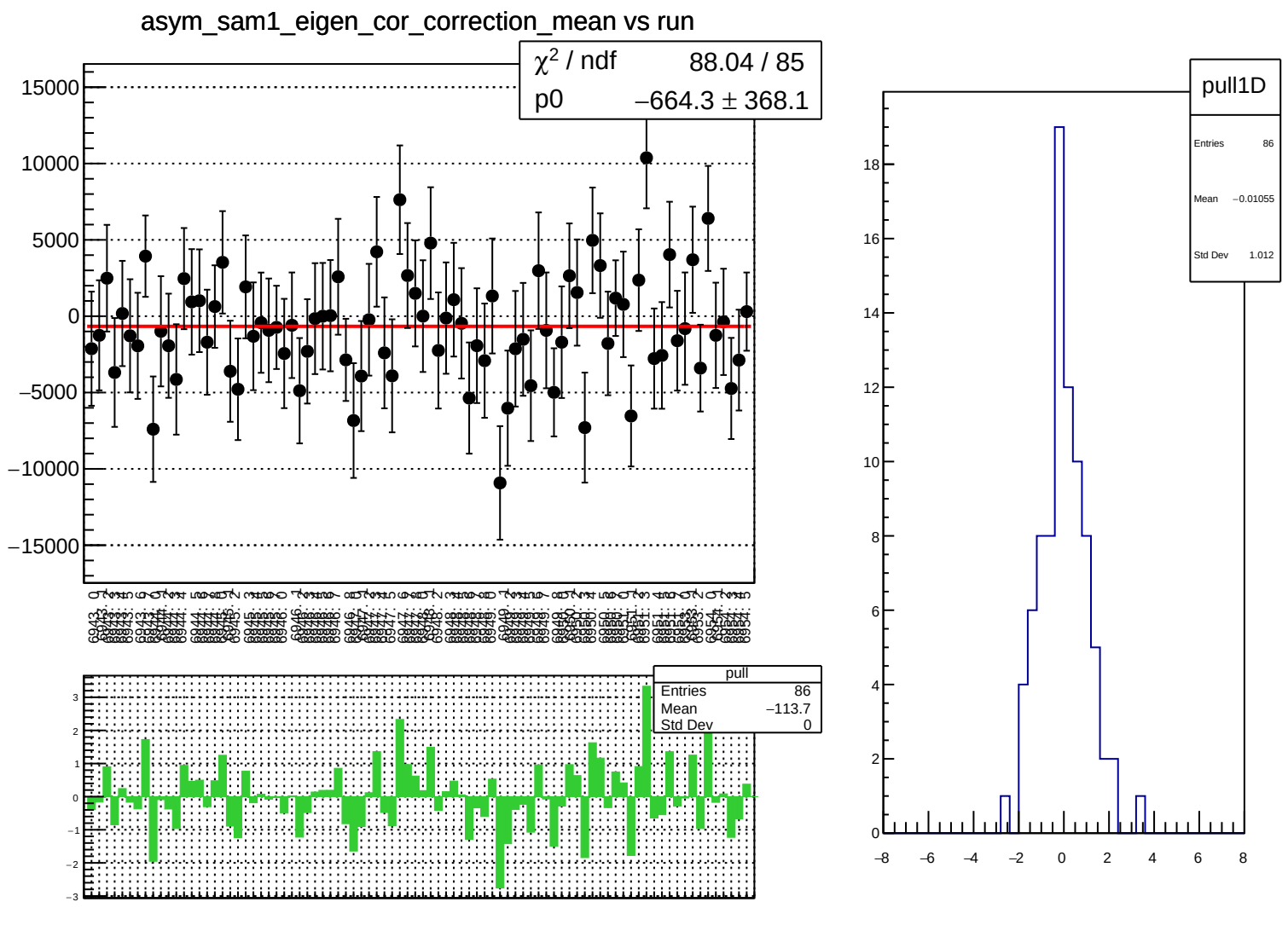

asym_sam1_cor_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −664.3 ± 368.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −113.7
Std Dev 0
3
2
1
0
−1
−2
−3

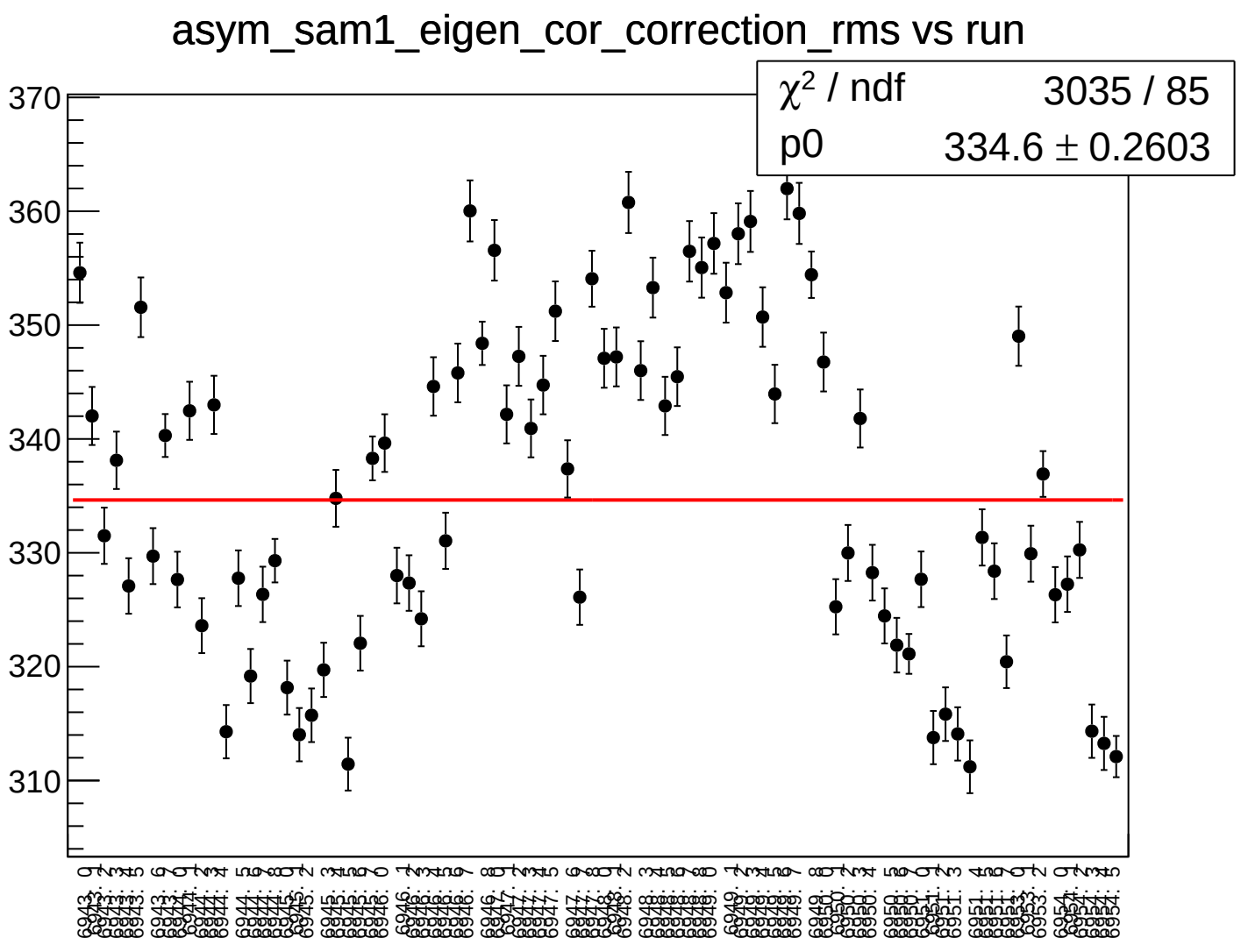

pull1D
Entries 86
Mean −0.01055
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

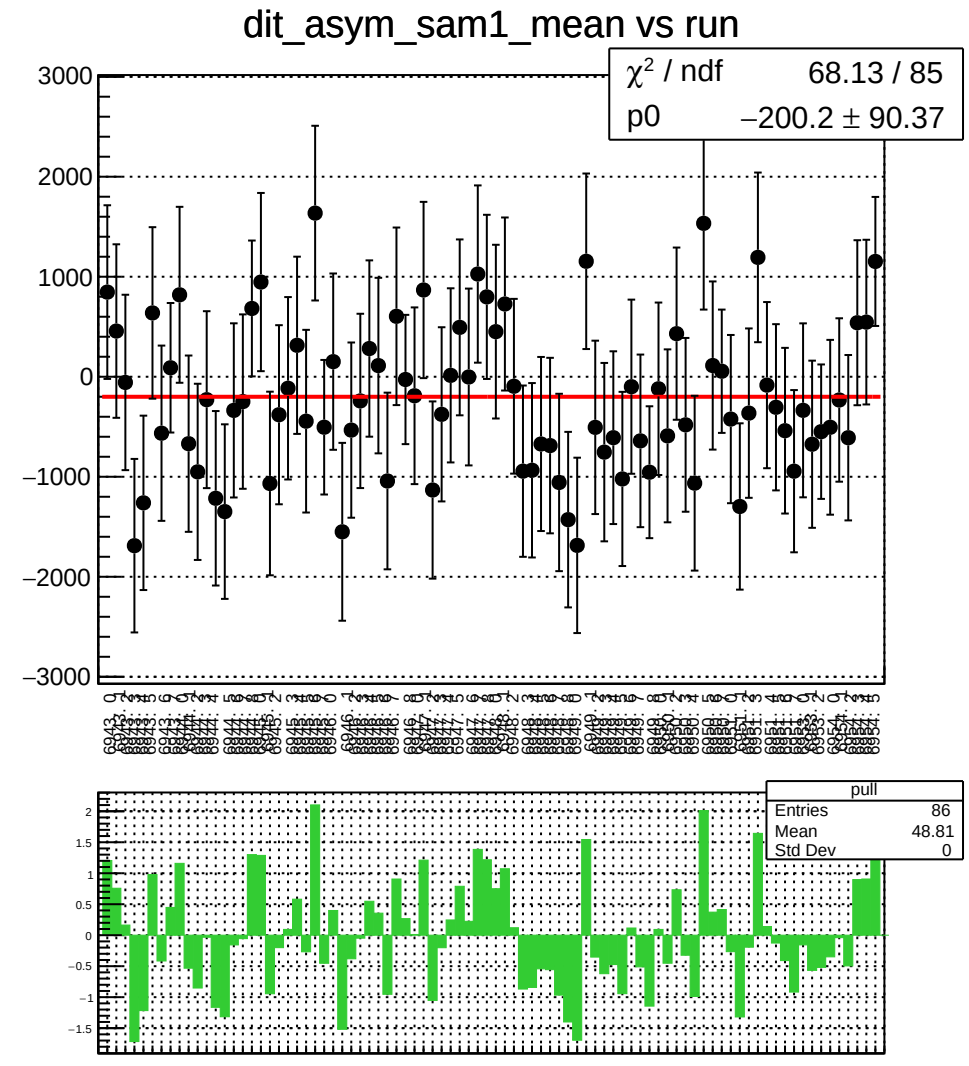

asym_sam1_cor_correction_rms vs run
χ² / ndf 3035 / 85
p0 334.6 ± 0.2603
370
360
350
340
330
320
310

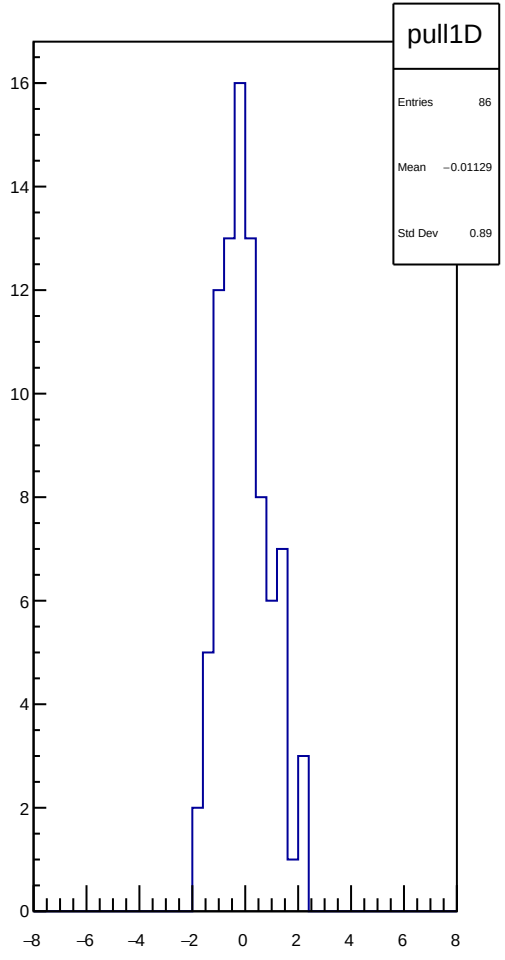

eigen_cor_asym_sam1_mean vs run
χ² / ndf 67.4 / 85
p0 −193.1± 88.25
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 49.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.01084
Std Dev 0.8852
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

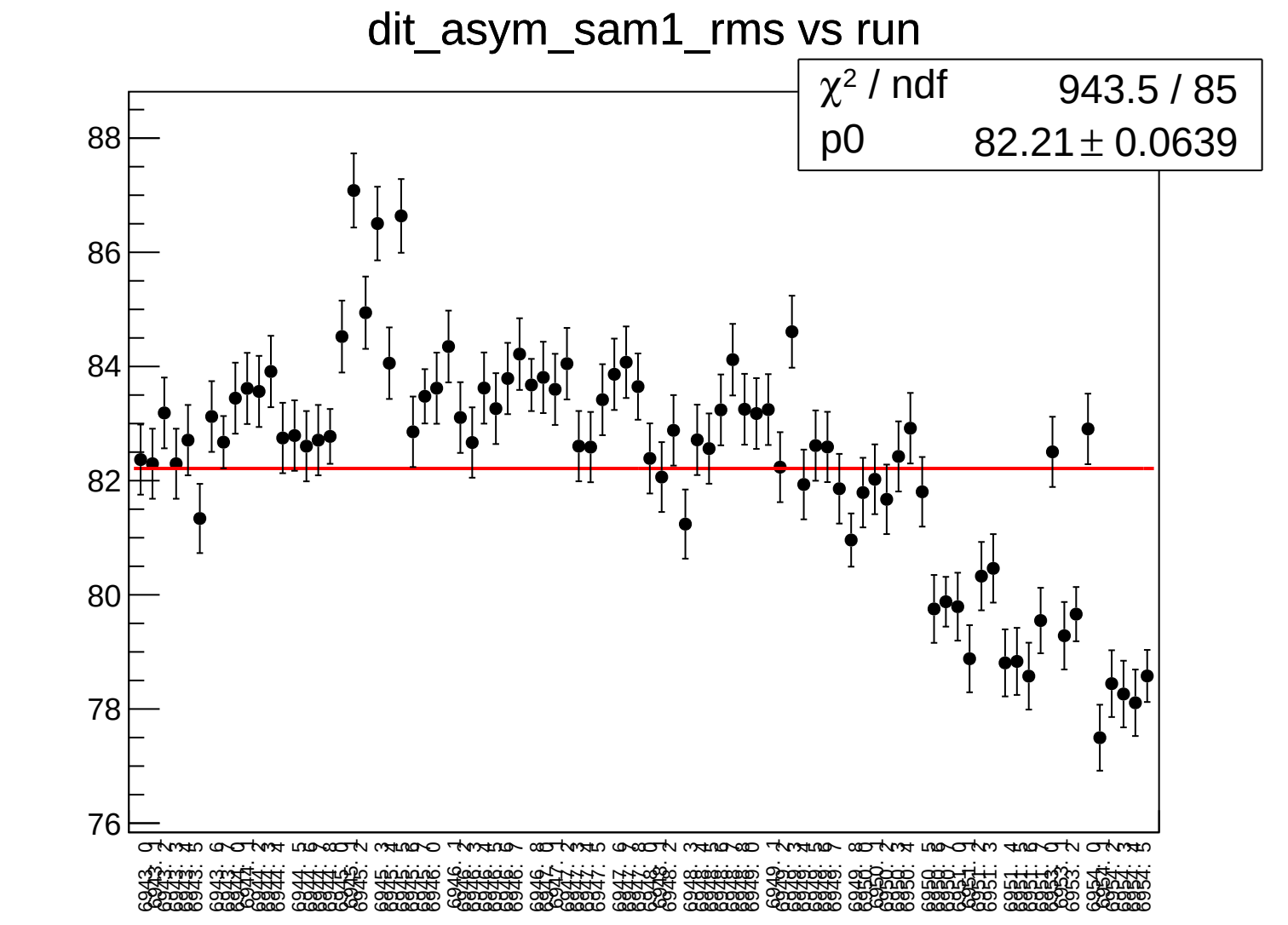

eigen_cor_asym_sam1_rms vs run
χ² / ndf 768.4 / 85
p0 80.29 ± 0.0624
84
83
82
81
80
79
78
77
76
75

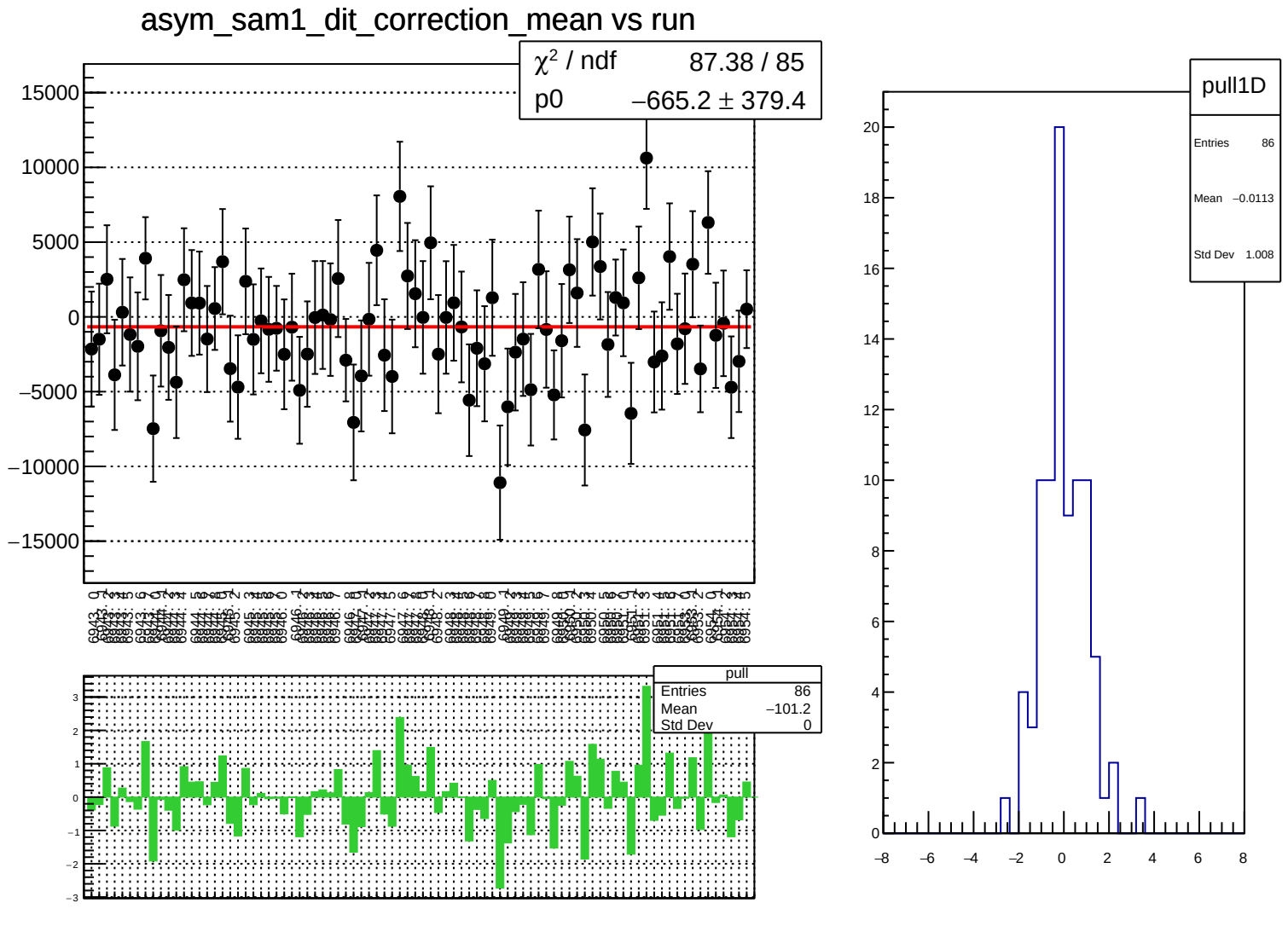

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 88.04 / 85
p0 −664.3 ± 368.1
pull
Entries 86
Mean −113.7
Std Dev 0
pull1D
Entries 86
Mean −0.01055
Std Dev 1.012

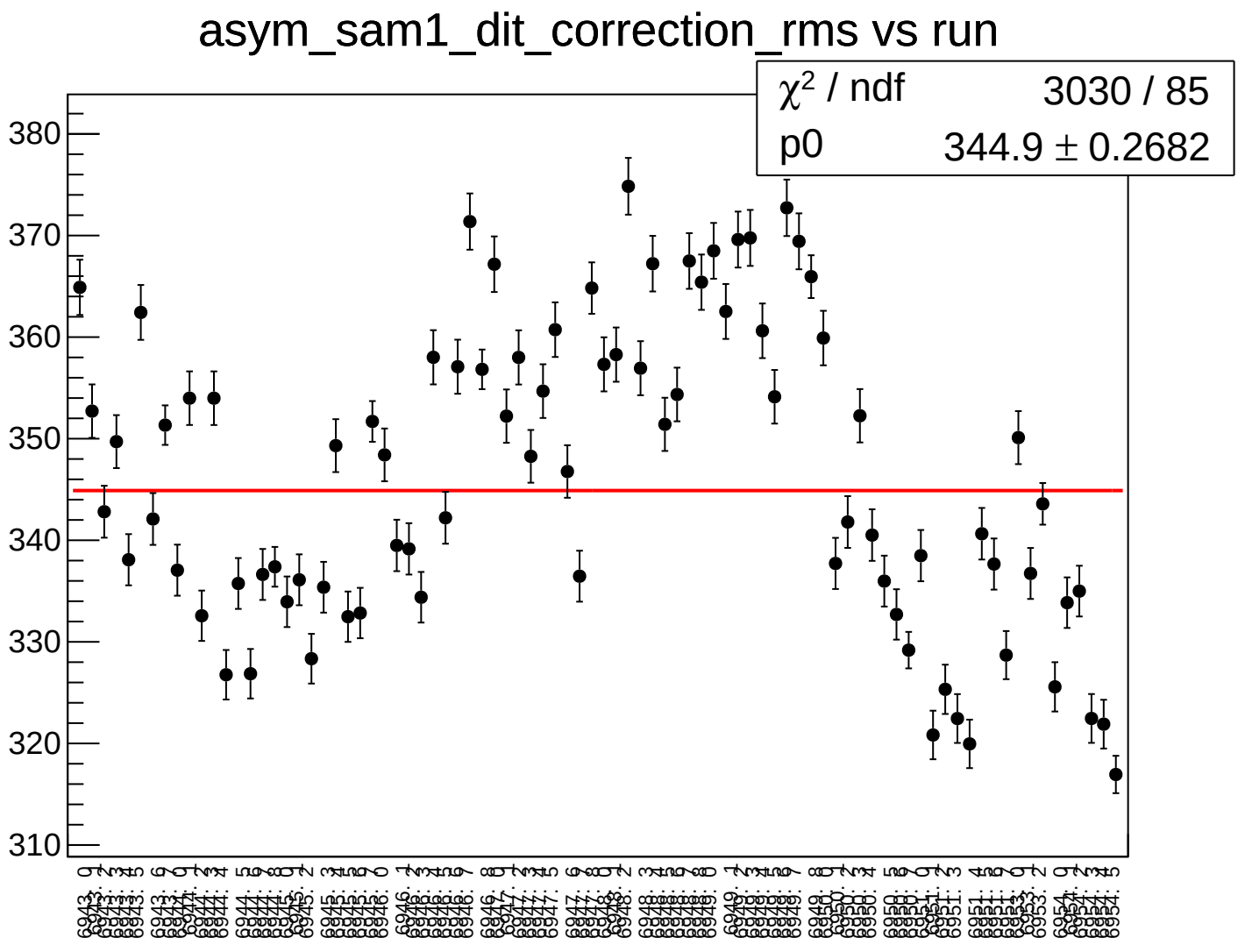

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 3035 / 85
p0 334.6 ± 0.2603
370
360
350
340
330
320
310

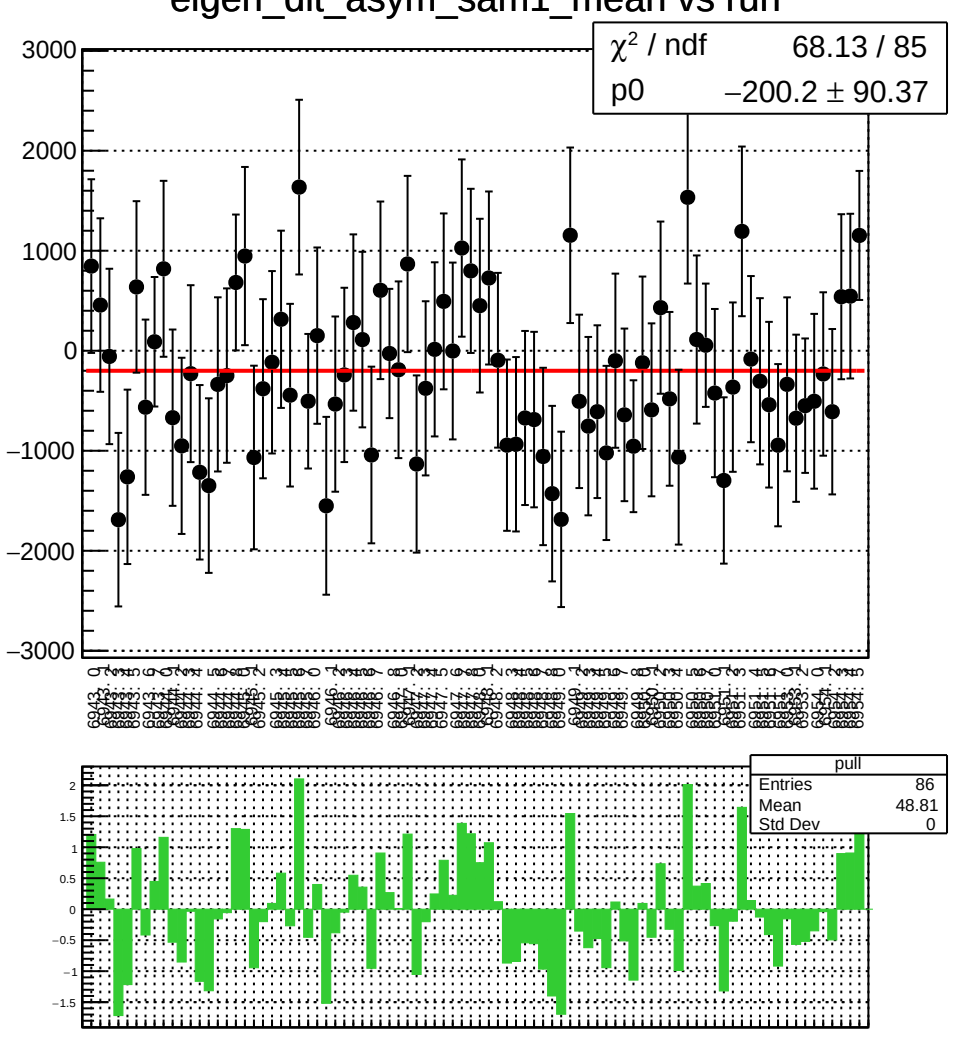

dit_asym_sam1_mean vs run
χ² / ndf 68.13 / 85
p0 −200.2 ± 90.37
pull
Entries 86
Mean 48.81
Std Dev 0

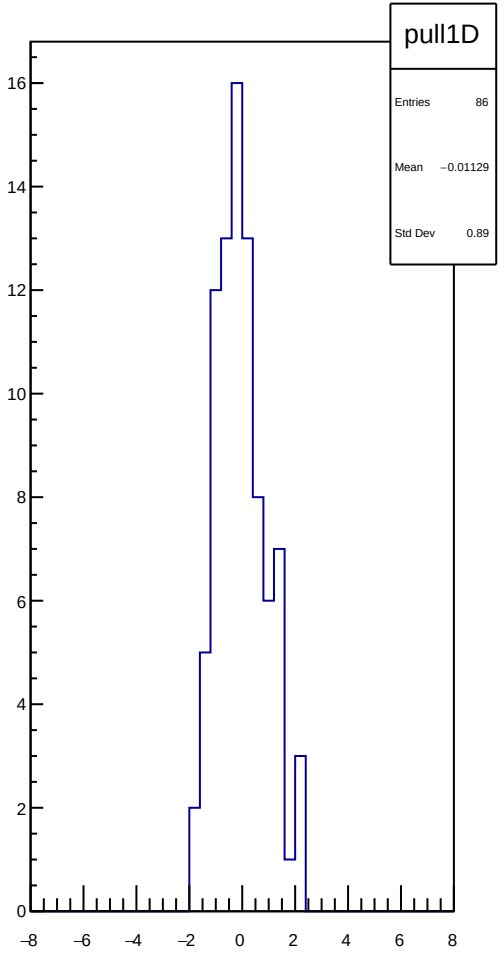

pull1D
Entries 86
Mean −0.01129
Std Dev 0.89

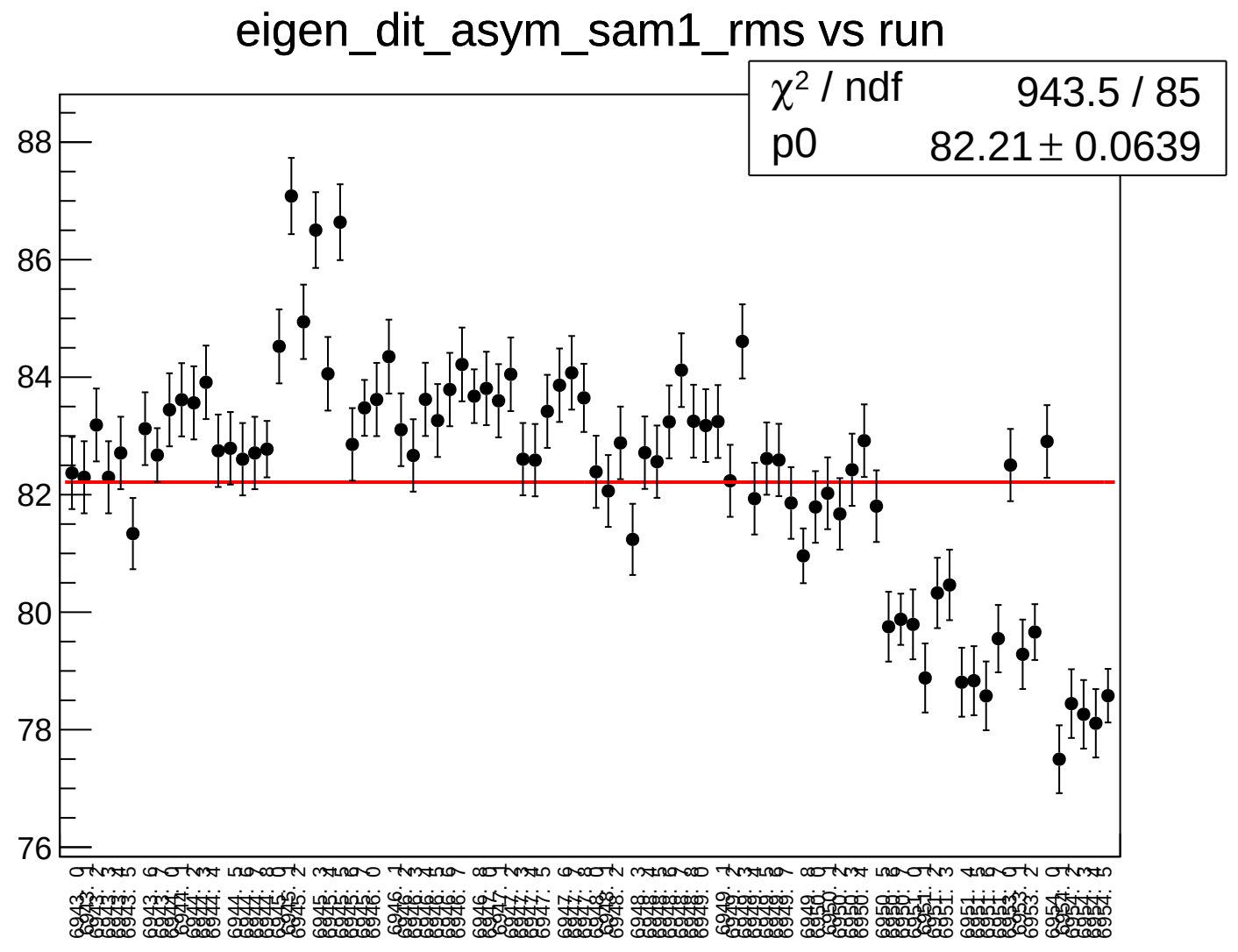

dit_asym_sam1_rms vs run
χ² / ndf 943.5 / 85
p0 82.21 ± 0.0639
88
86
84
82
80
78
76

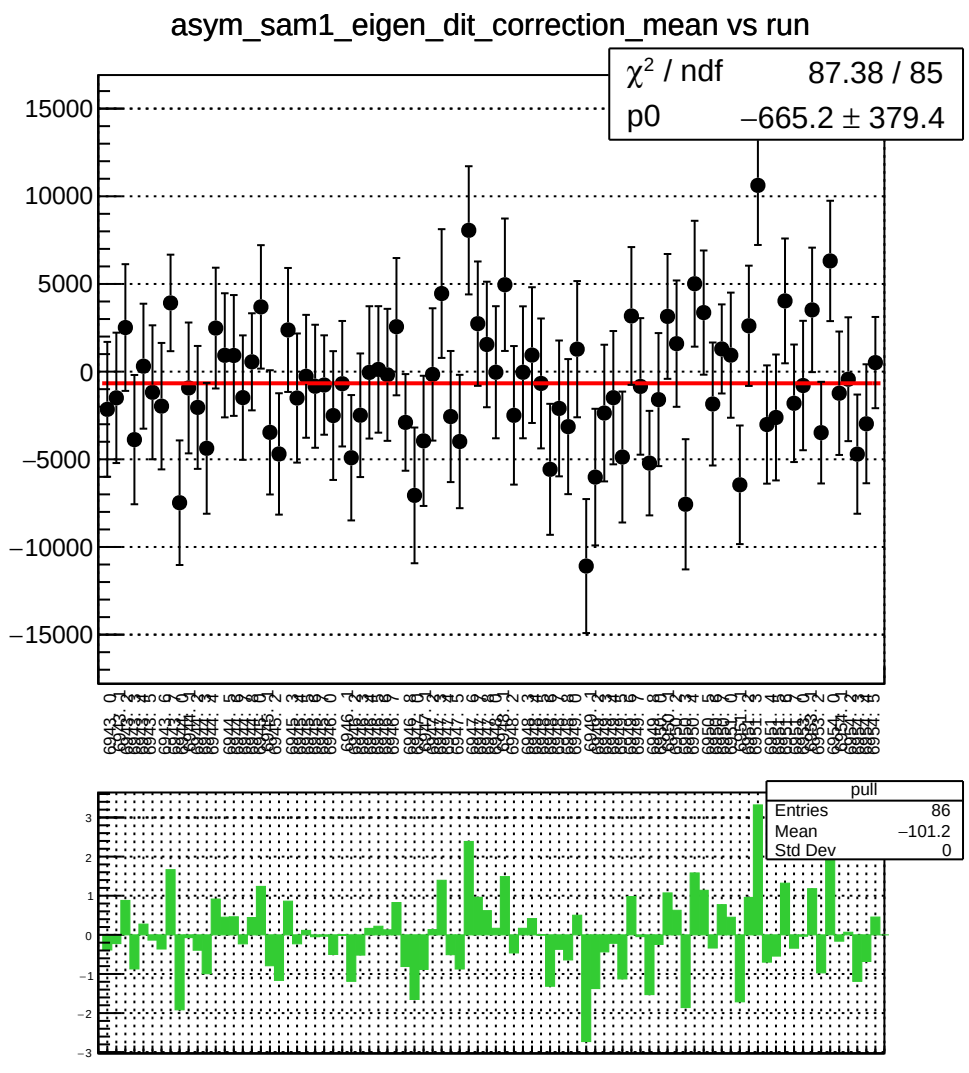

asym_sam1_dit_correction_mean vs run
χ² / ndf 87.38 / 85
p0 −665.2 ± 379.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −101.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.0113
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

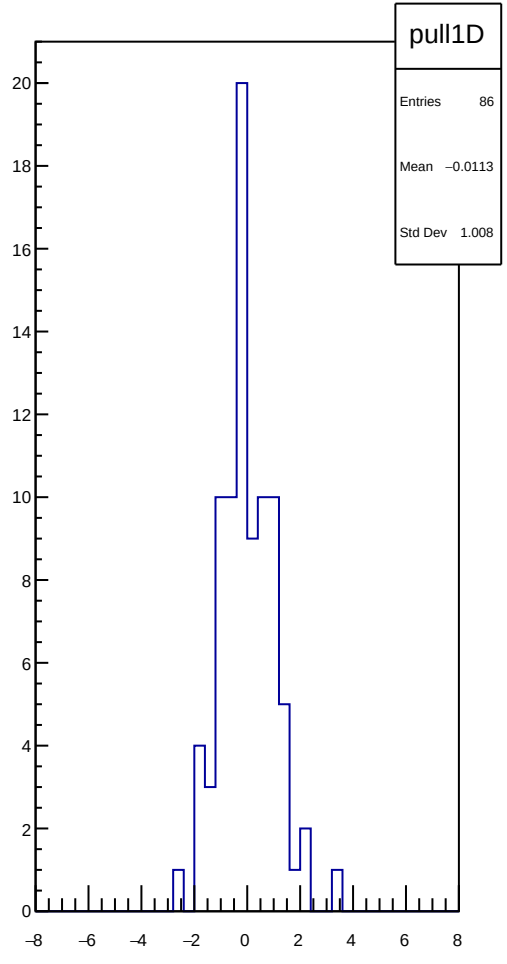

asym_sam1_dit_correction_rms vs run
χ² / ndf 3030 / 85
p0 344.9 ± 0.2682
380
370
360
350
340
330
320
310

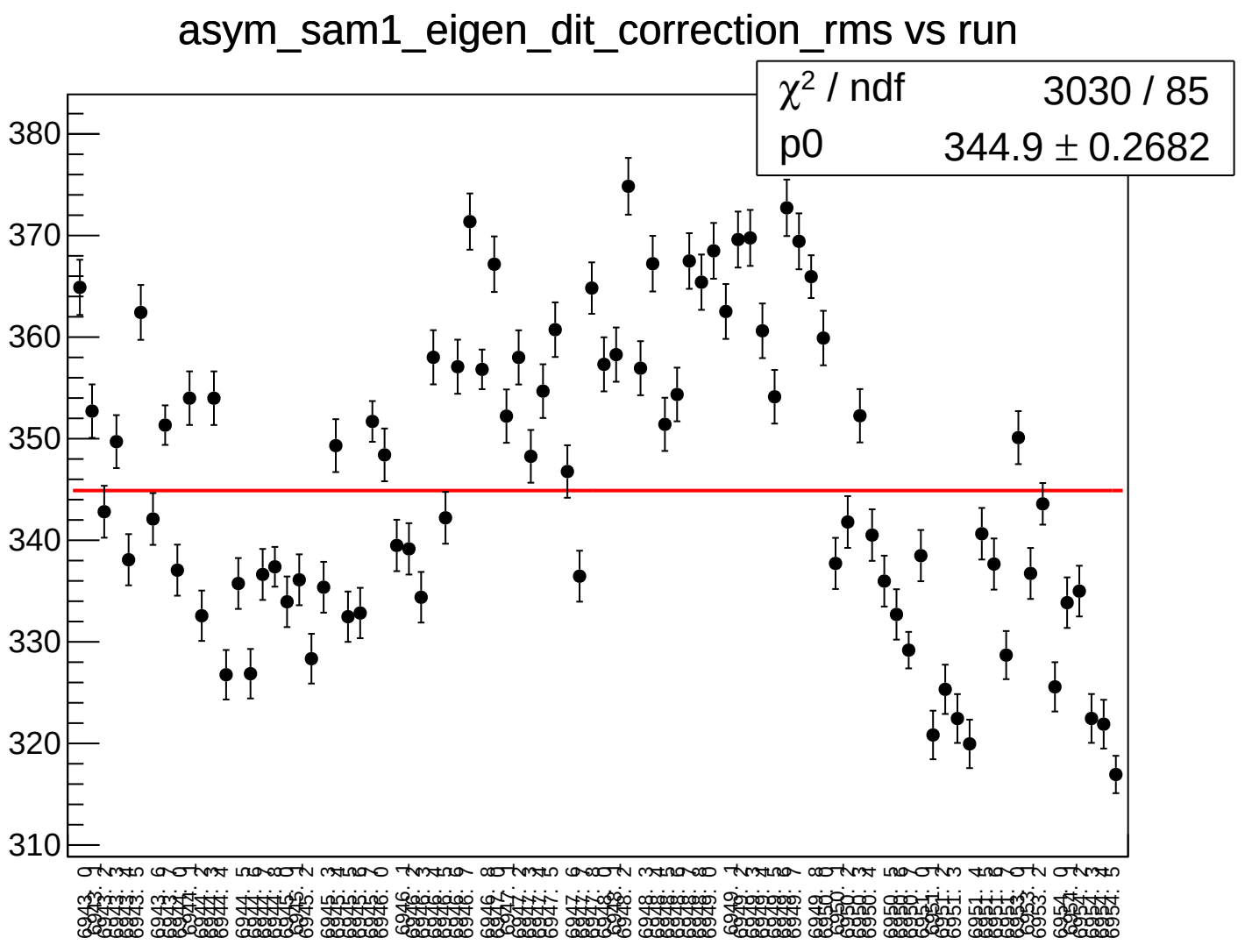

eigen_dit_asym_sam1_mean vs run
χ² / ndf 68.13 / 85
p0 −200.2 ± 90.37
pull
Entries 86
Mean 48.81
Std Dev 0

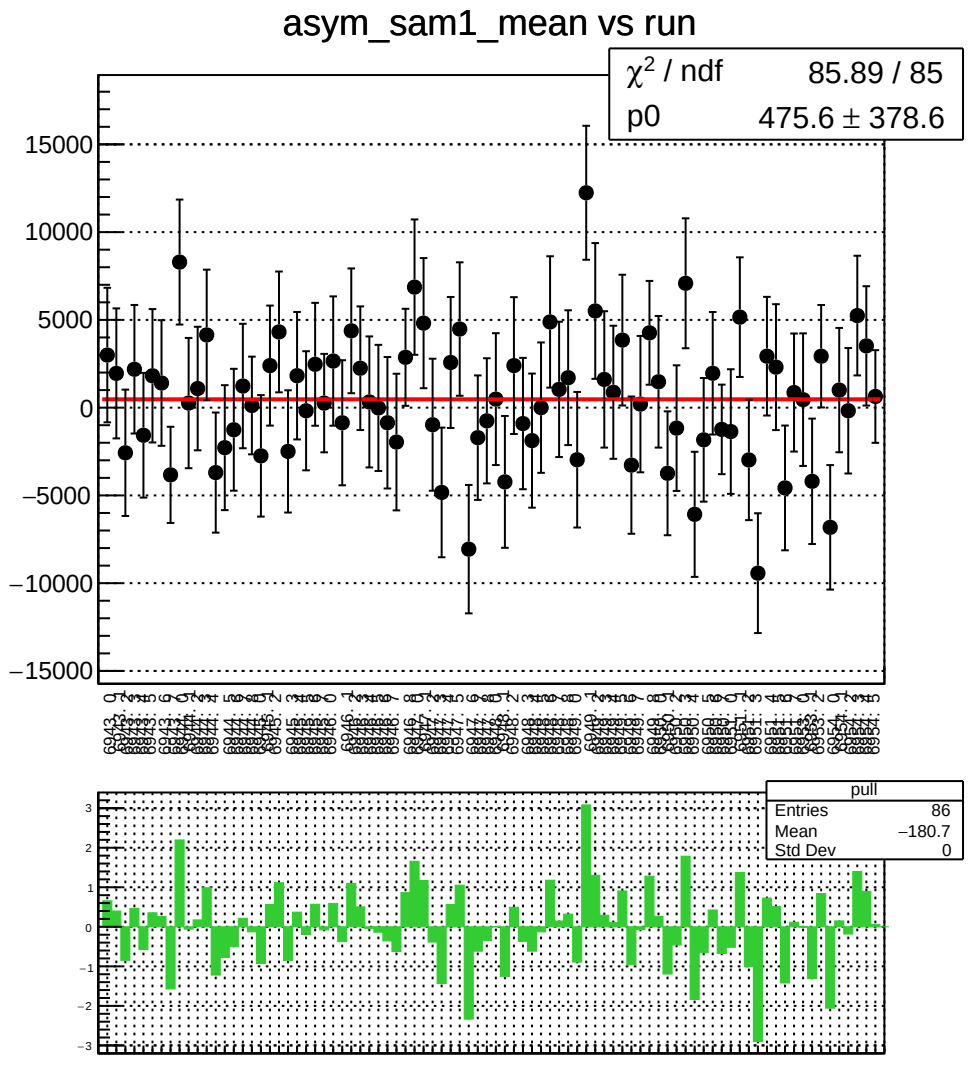

pull1D
Entries 86
Mean −0.01129
Std Dev 0.89

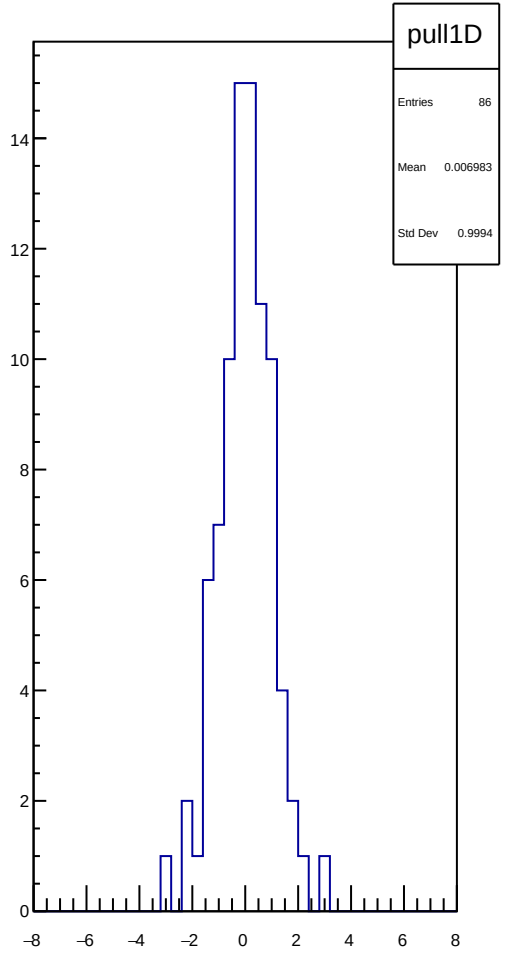

eigen_dit_asym_sam1_rms vs run
χ² / ndf 943.5 / 85
p0 82.21 ± 0.0639
88
86
84
82
80
78
76

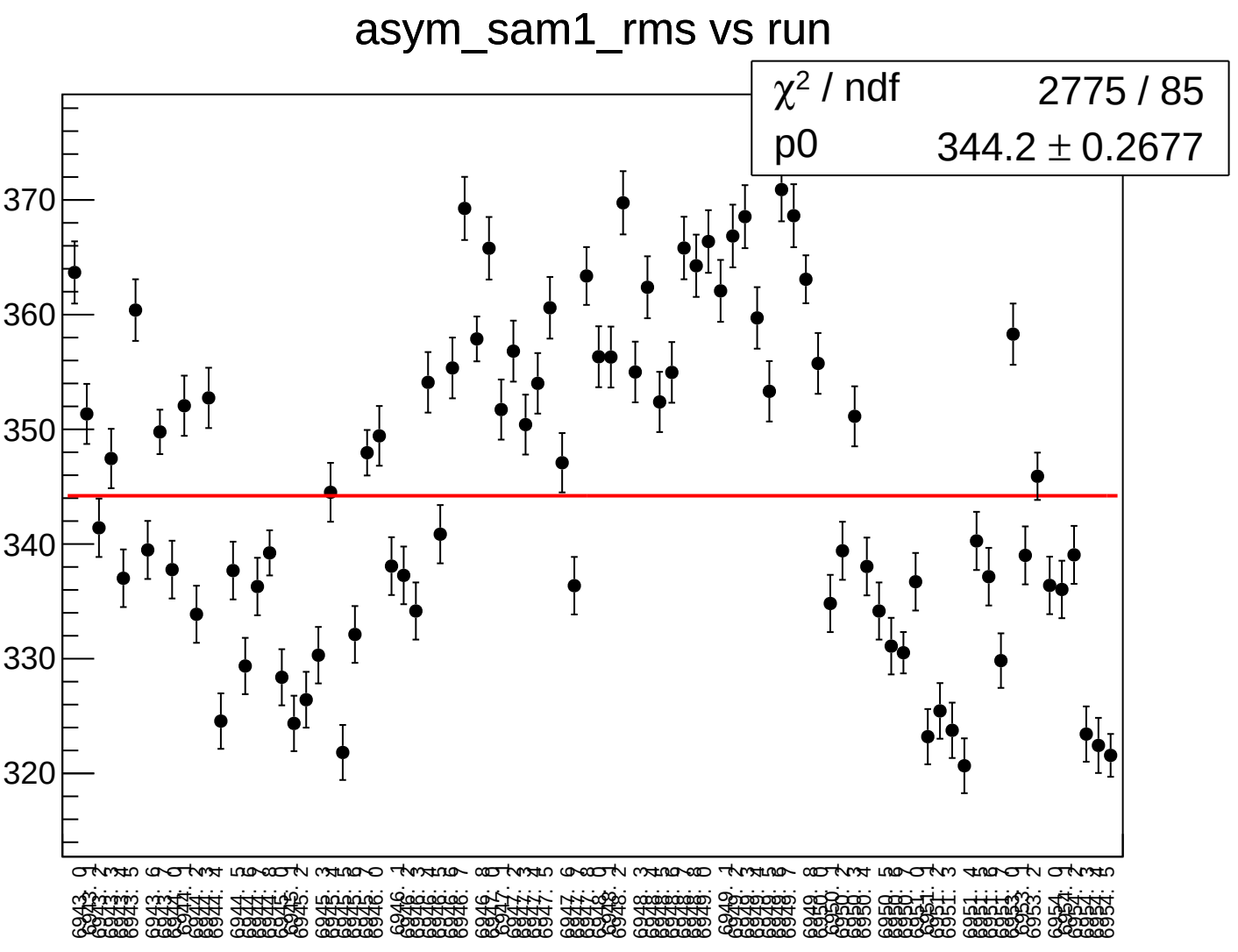

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 87.38 / 85
p0 −665.2 ± 379.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −101.2
Std Dev 0
3
2
1
0
−1
−2
−3

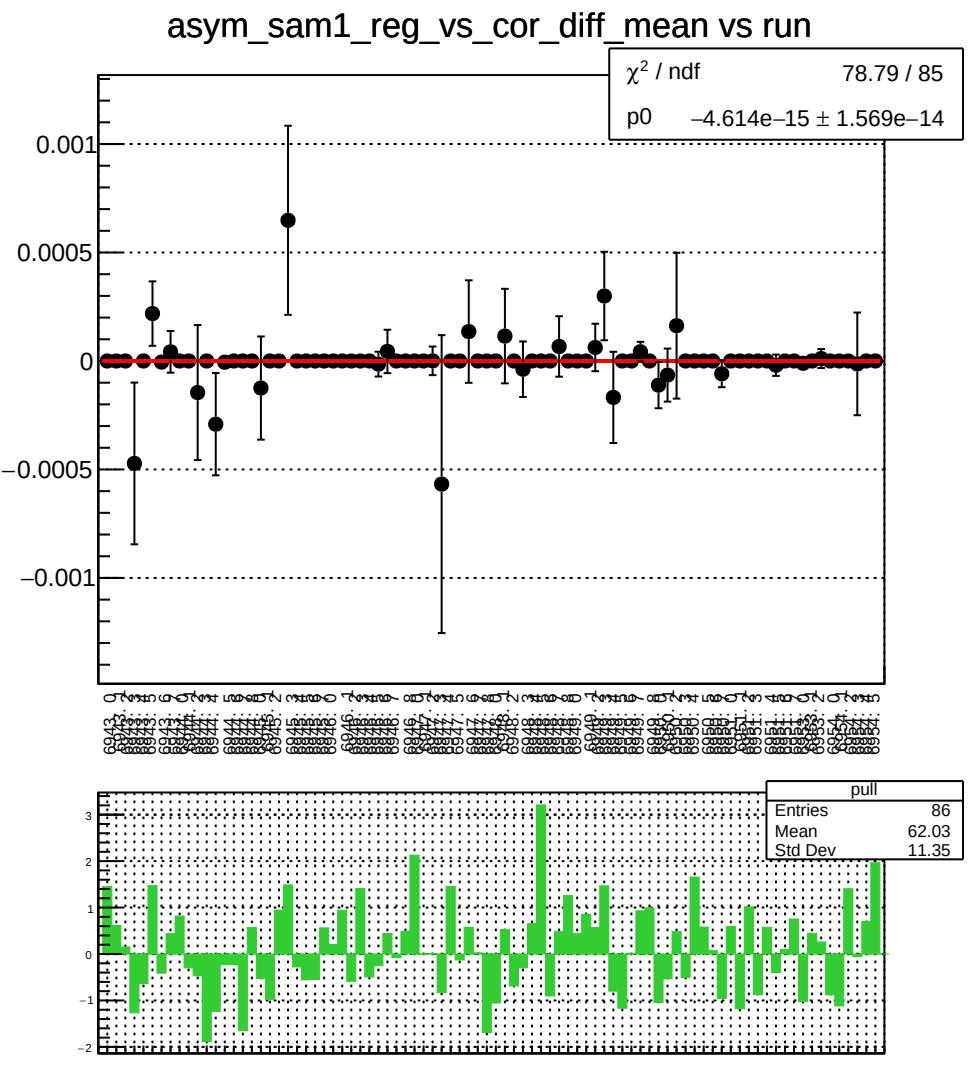

pull1D
Entries 86
Mean −0.0113
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

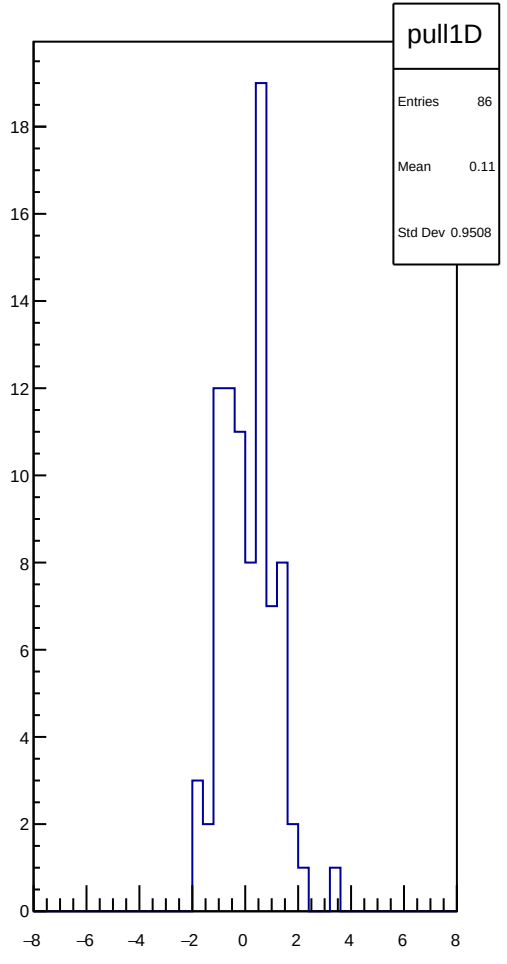

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 3030 / 85
p0 344.9 ± 0.2682
380
370
360
350
340
330
320
310

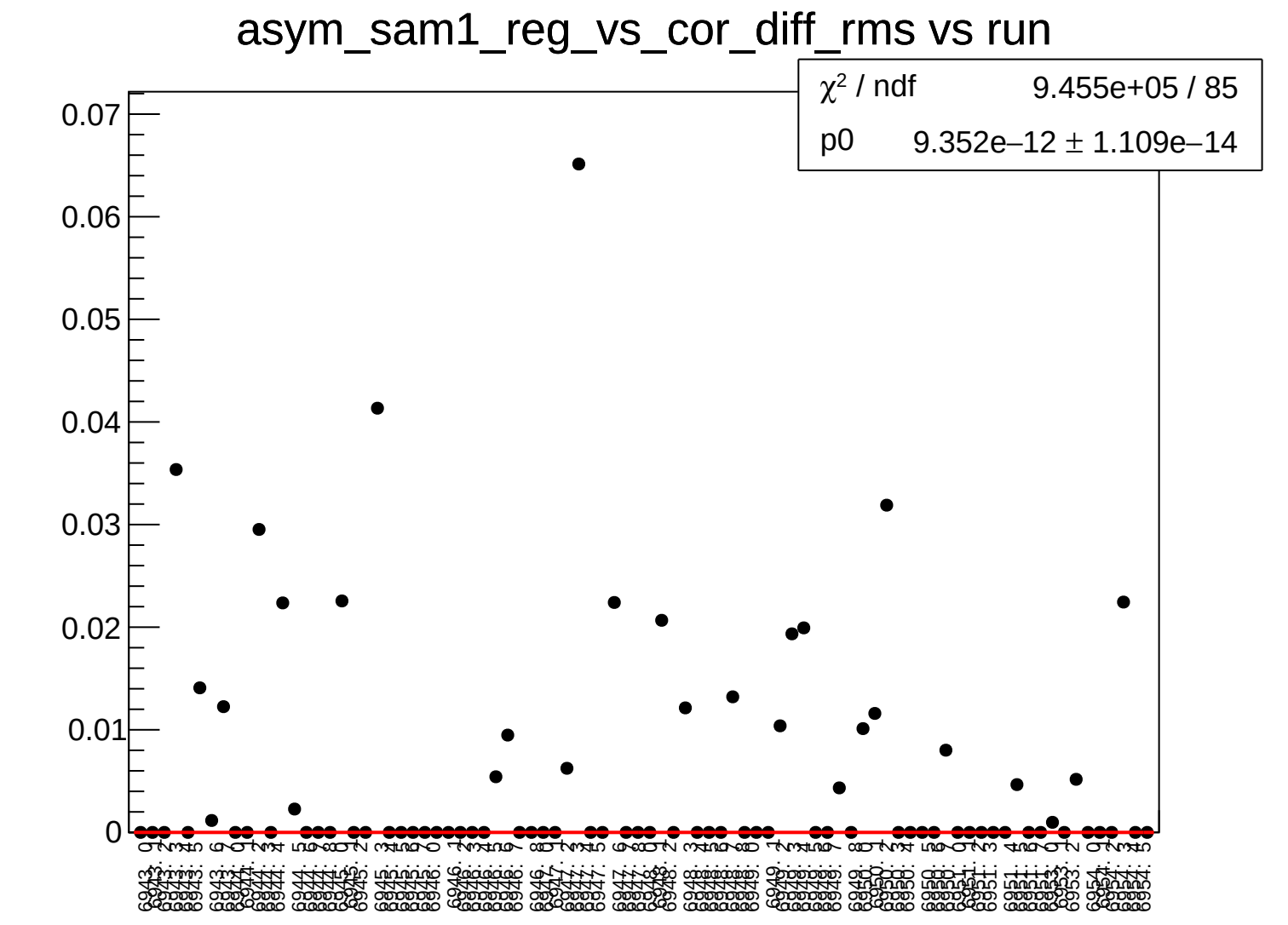

asym_sam1_mean vs run
χ² / ndf 85.89 / 85
p0 475.6 ± 378.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −180.7
Std Dev 0
3
2
1
0
−1
−2
−3

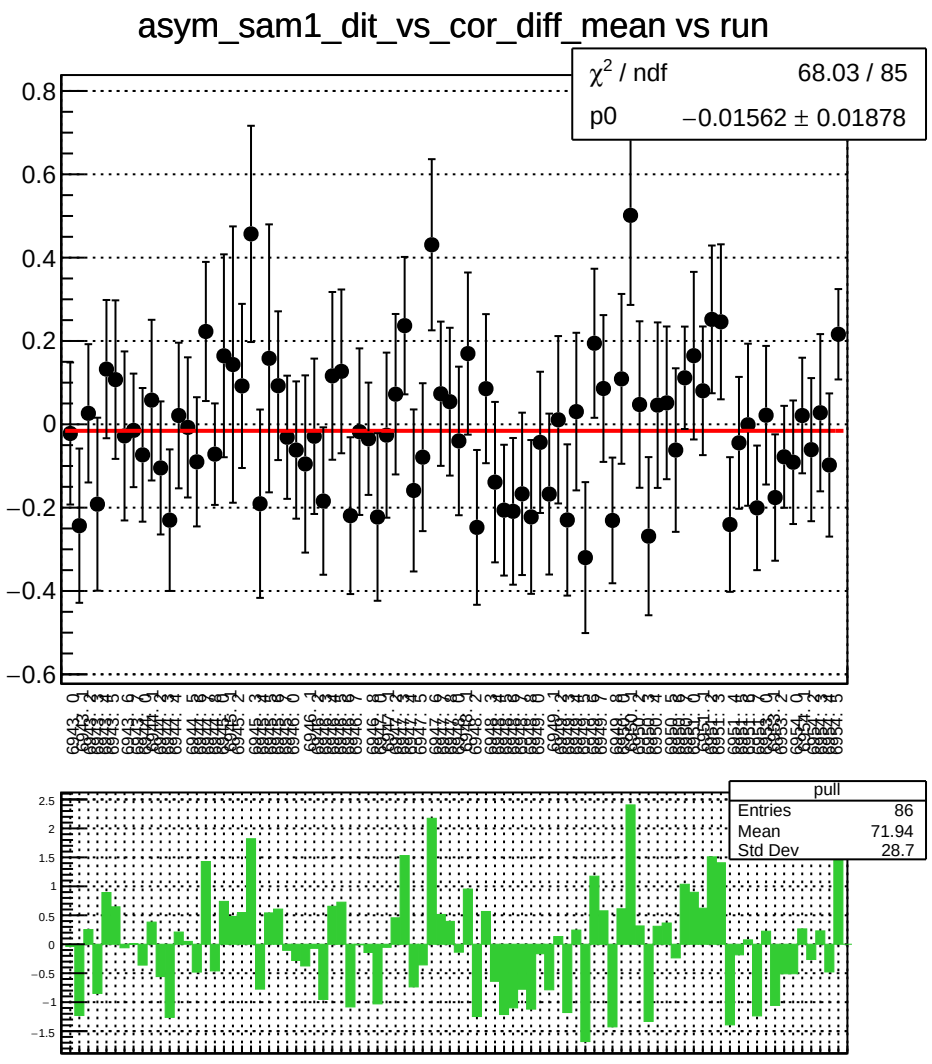

pull1D
Entries 86
Mean 0.006983
Std Dev 0.9994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

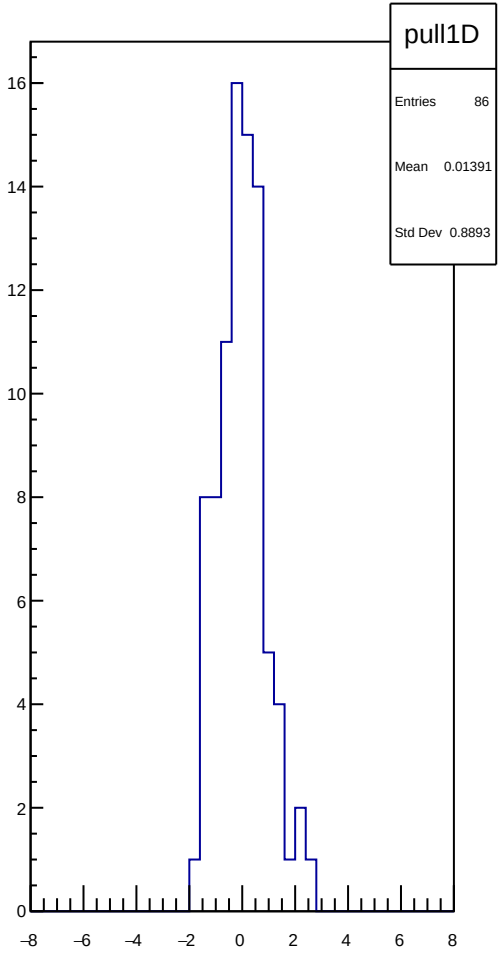

asym_sam1_rms vs run
χ² / ndf 2775 / 85
p0 344.2 ± 0.2677
370
360
350
340
330
320

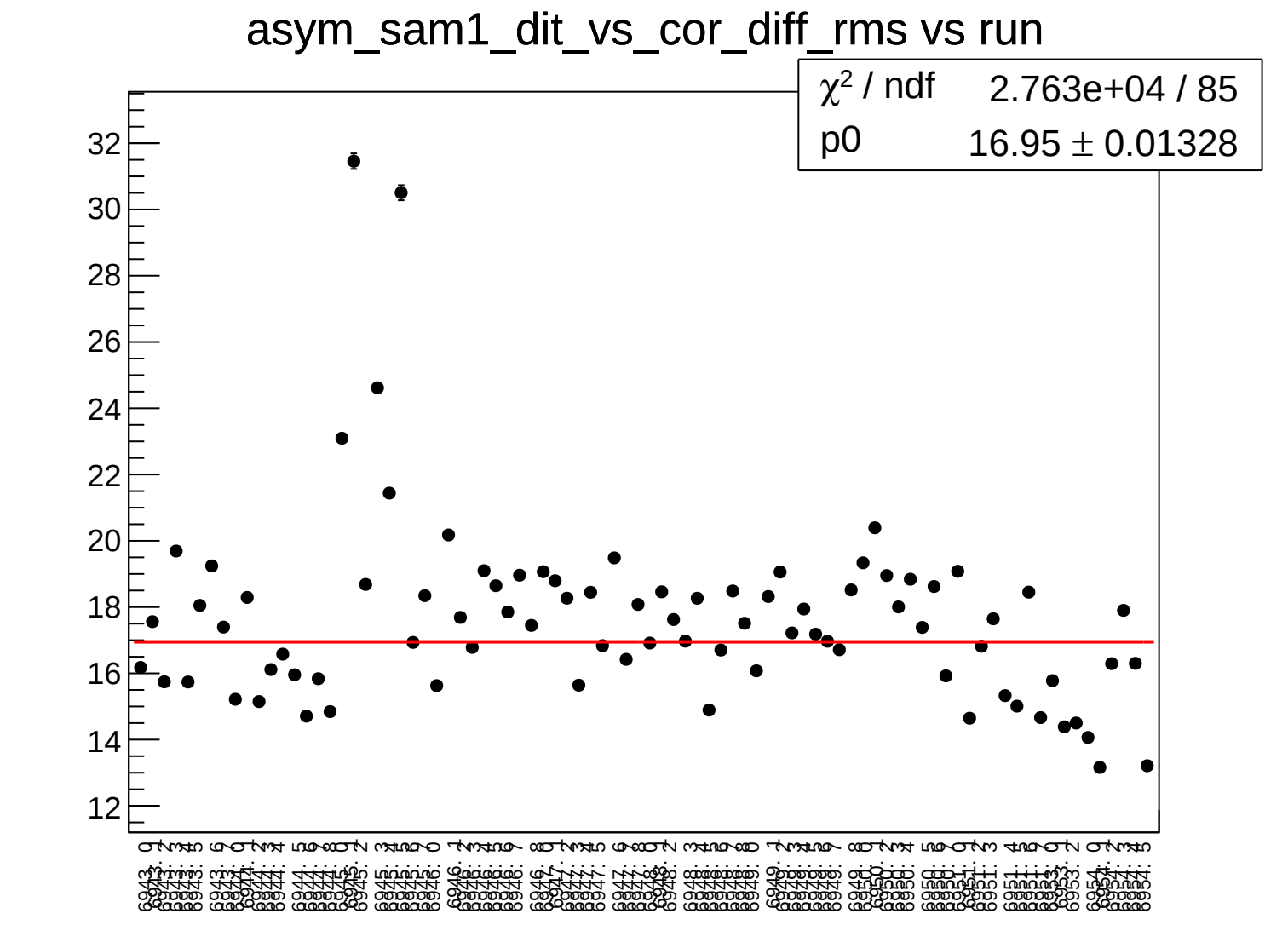

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 78.79 / 85
p0 −4.614e−15 ± 1.569e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 62.03
Std Dev 11.35
3
2
1
0
−1
−2

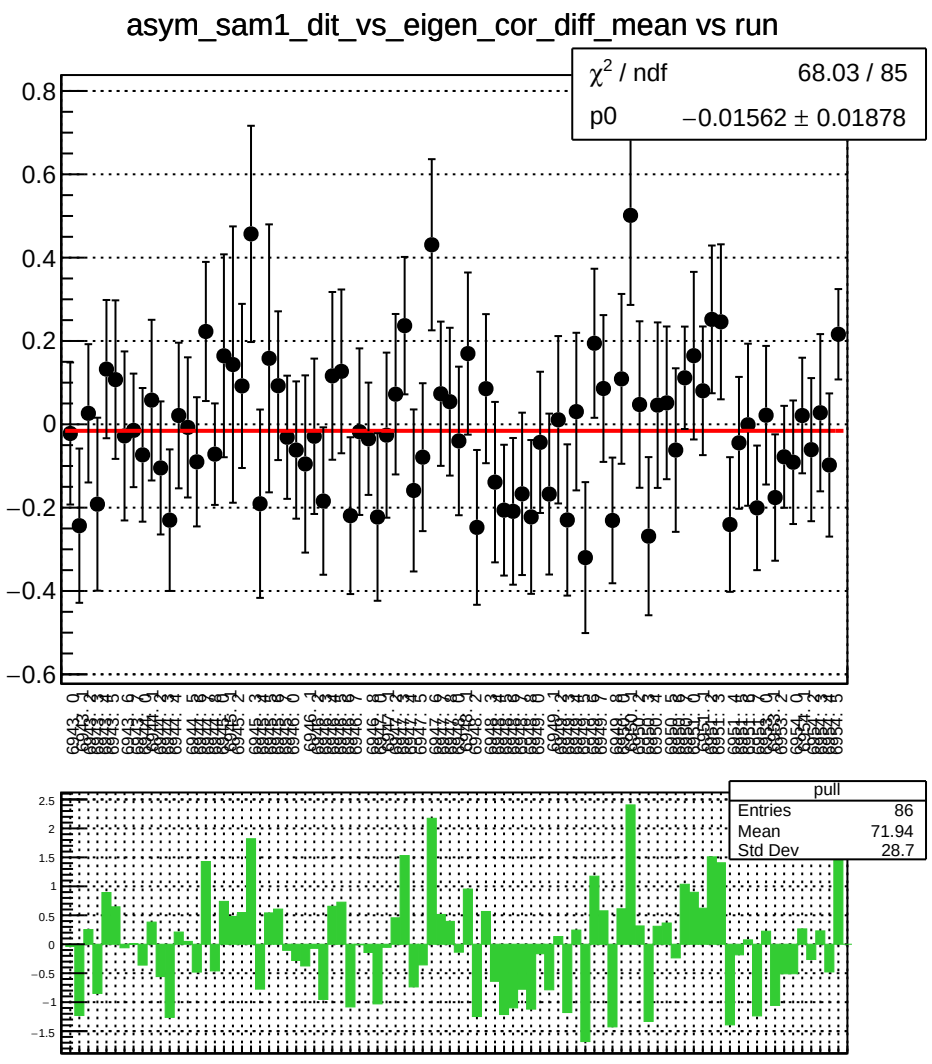

pull1D
Entries 86
Mean 0.11
Std Dev 0.9508
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

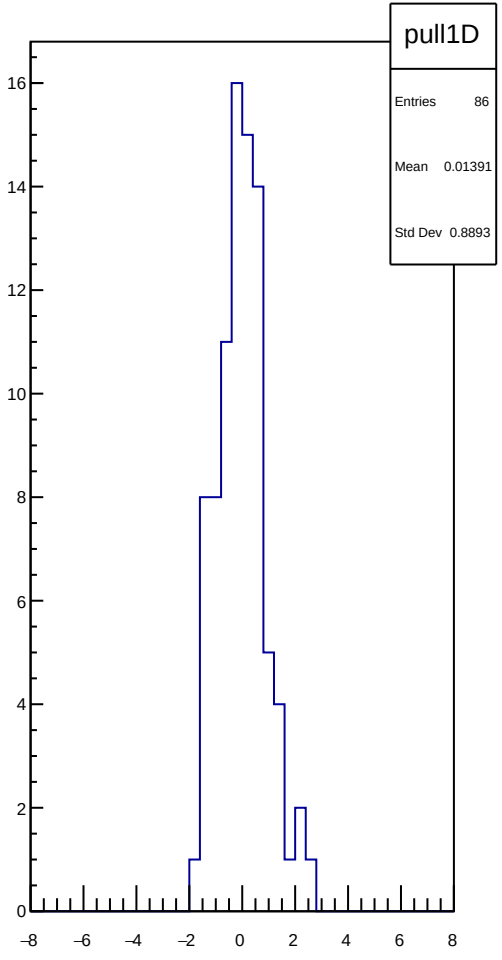

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.455e+05 / 85
p0 9.352e−12 ± 1.109e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

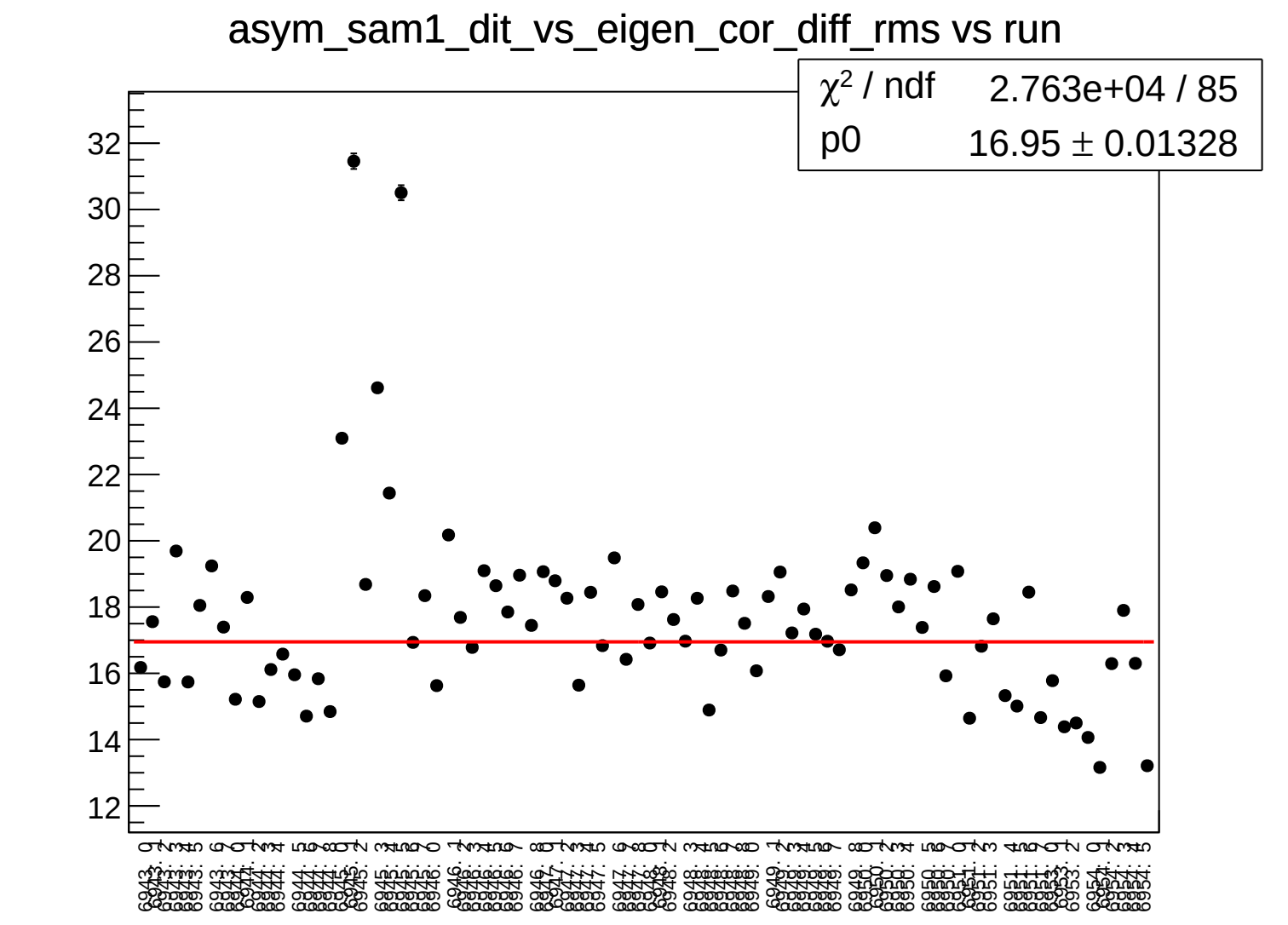

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 68.03 / 85
p0 −0.01562 ± 0.01878
pull
Entries 86
Mean 71.94
Std Dev 28.7

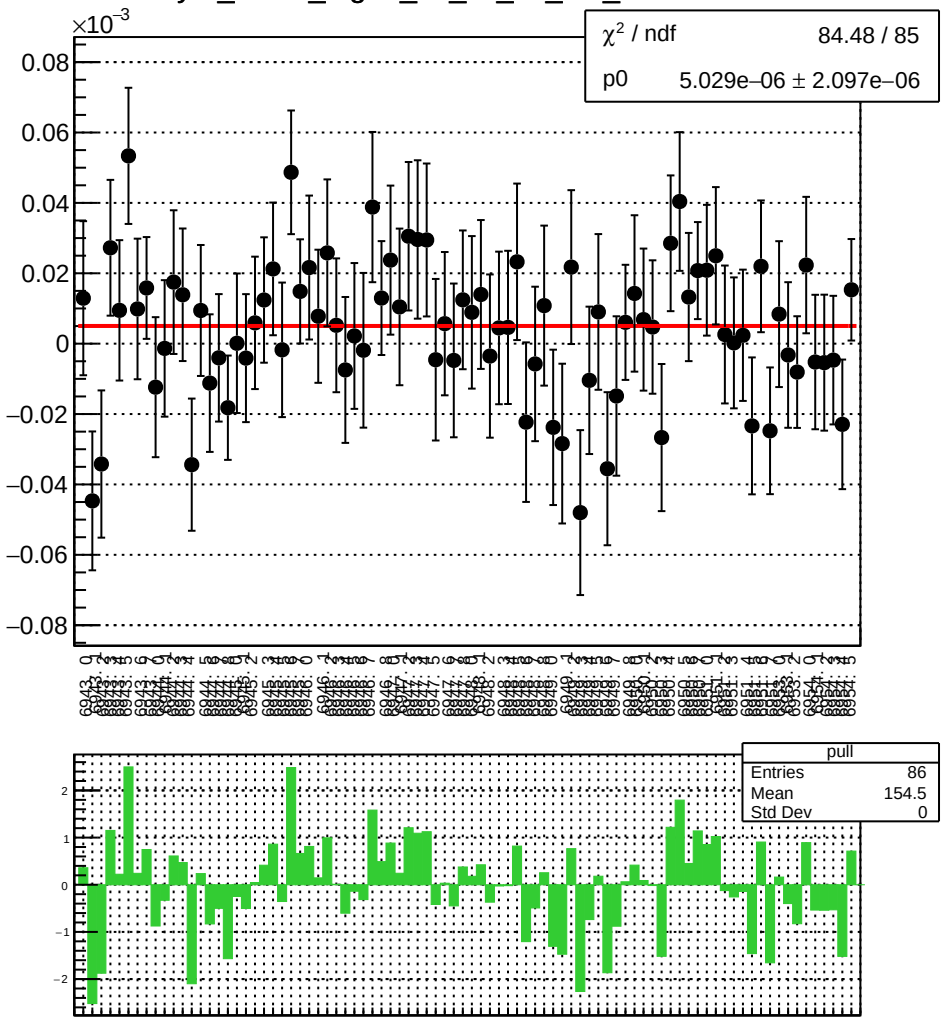

pull1D
Entries 86
Mean 0.01391
Std Dev 0.8893

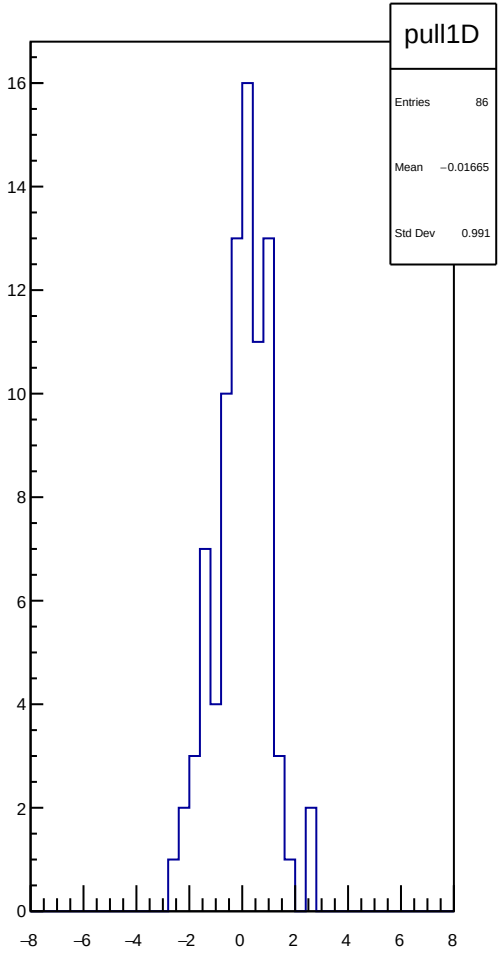

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.763e+04 / 85
p0 16.95 ± 0.01328
32
30
28
26
24
22
20
18
16
14
12

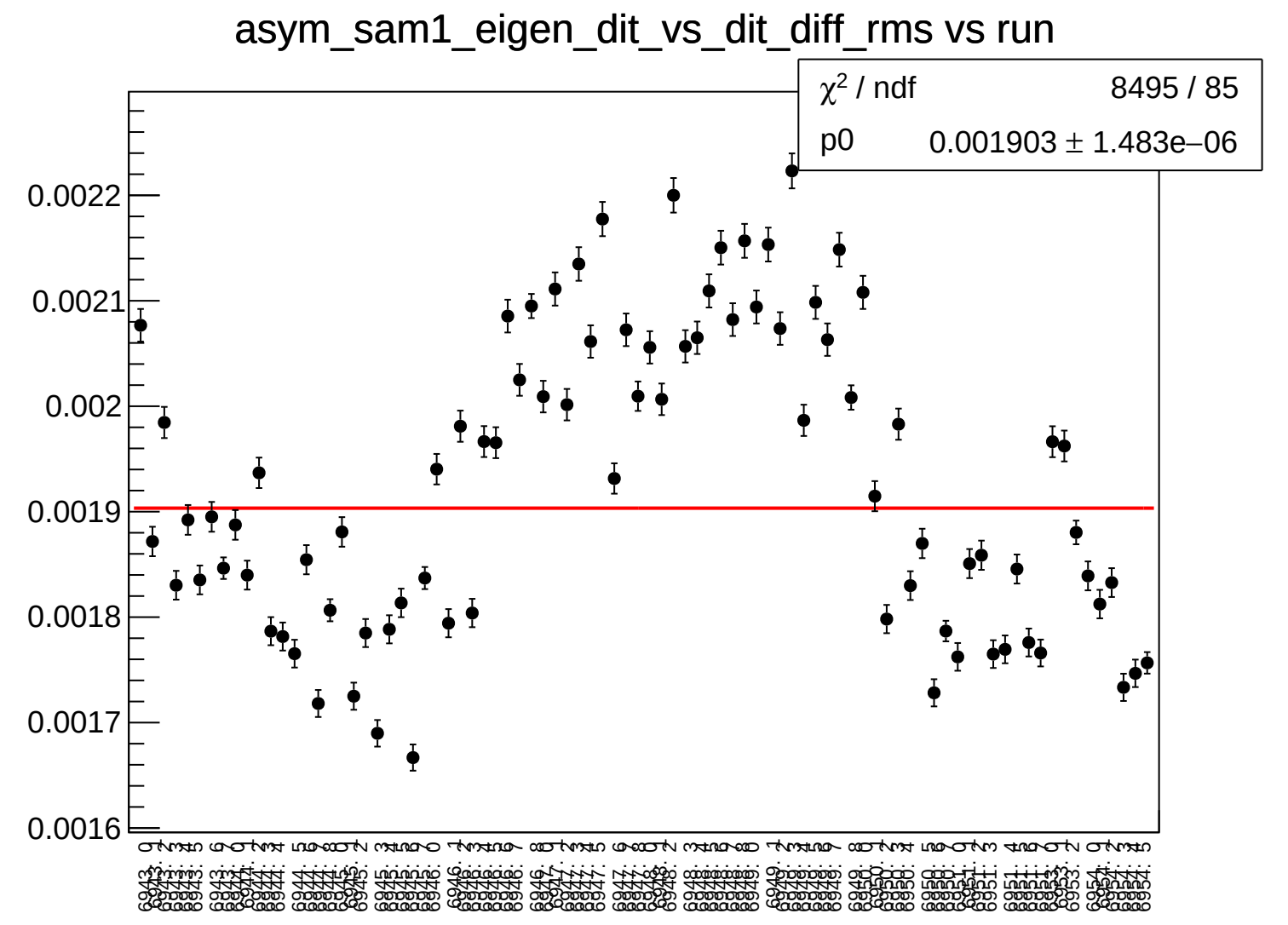

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.03 / 85
p0 −0.01562 ± 0.01878
pull
Entries 86
Mean 71.94
Std Dev 28.7

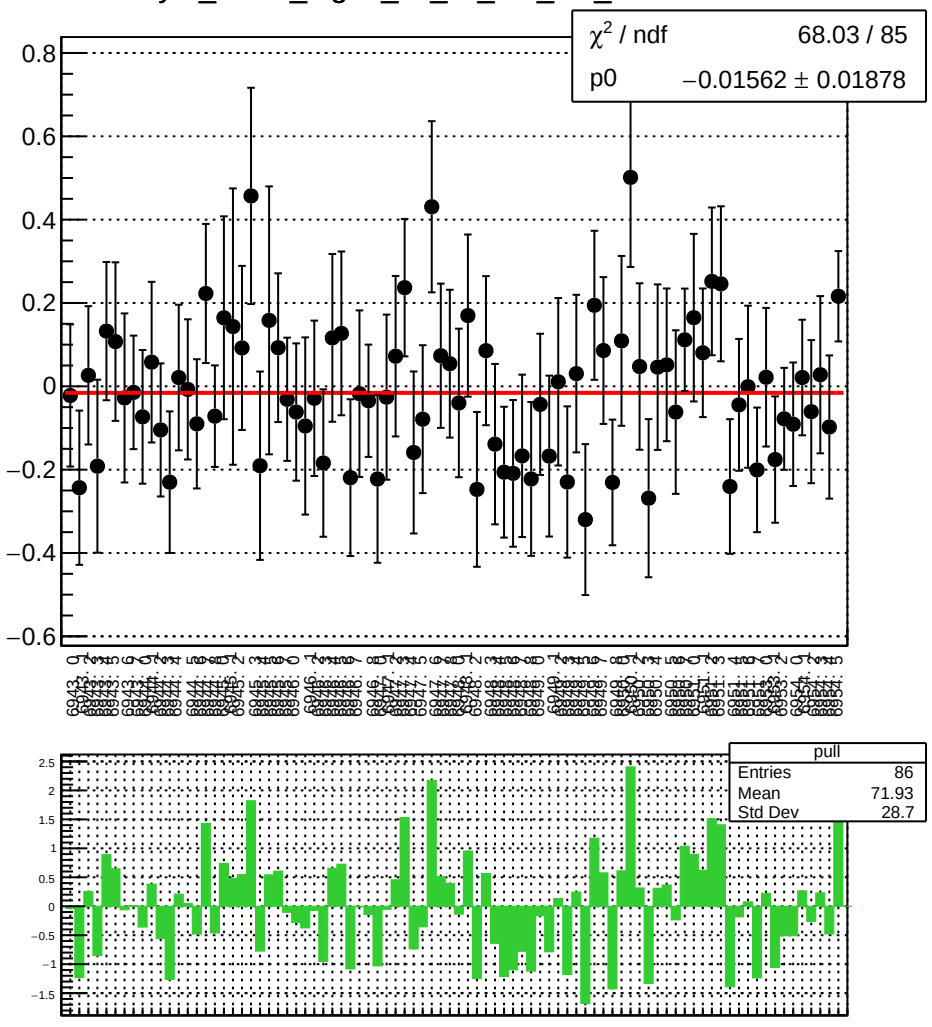

pull1D
Entries 86
Mean 0.01391
Std Dev 0.8893

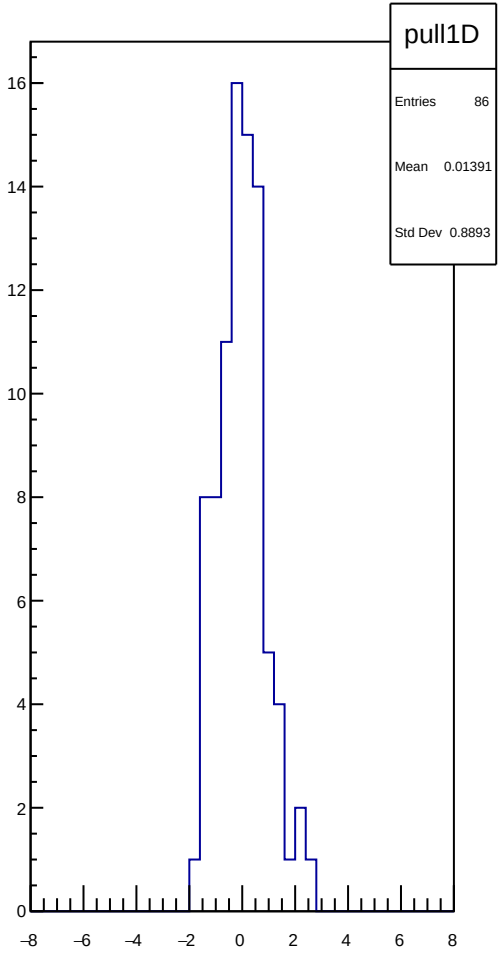

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.763e+04 / 85
p0 16.95 ± 0.01328
32
30
28
26
24
22
20
18
16
14
12

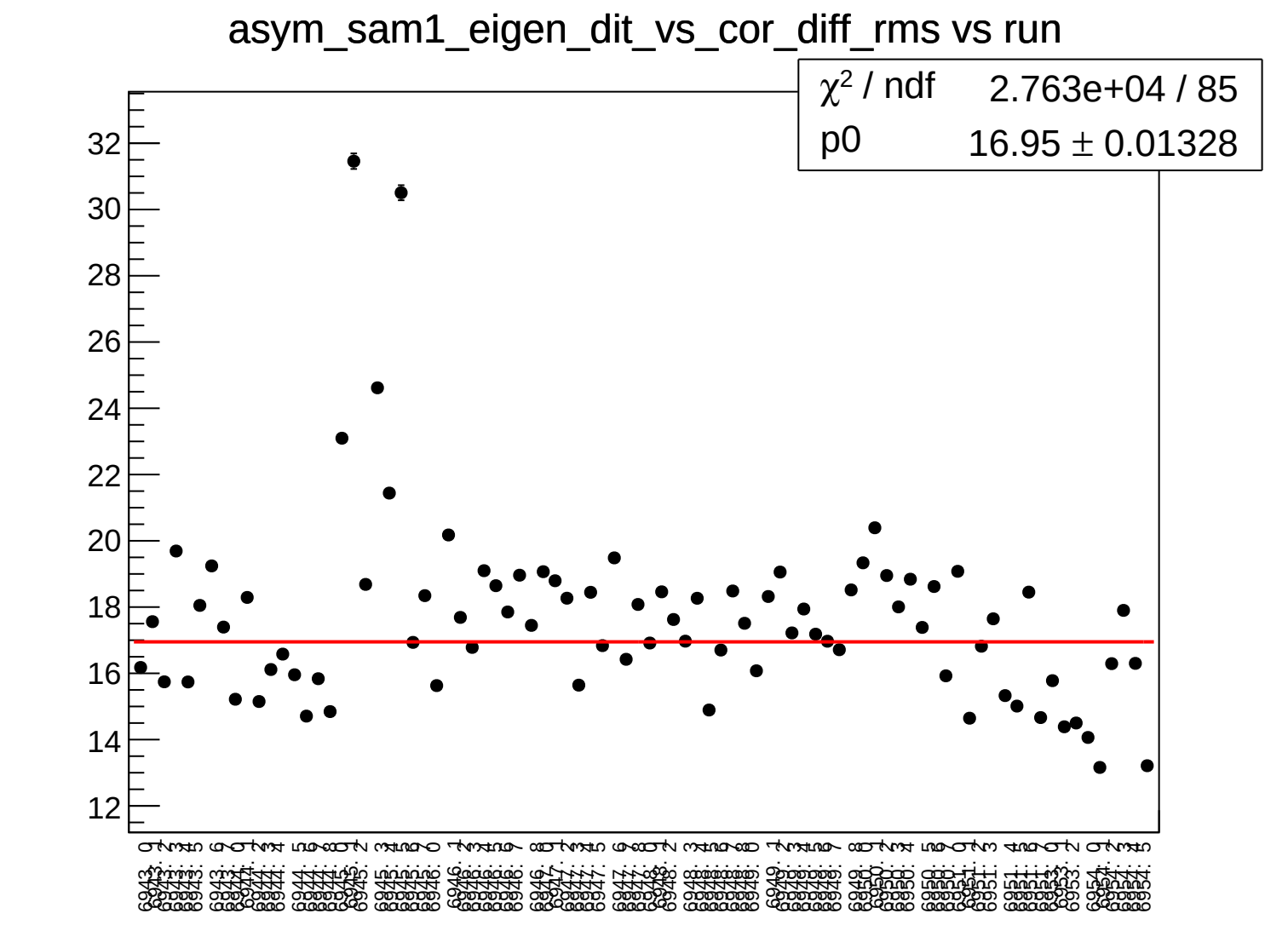

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.48 / 85
p0 5.029e−06 ± 2.097e−06
pull
Entries 86
Mean 154.5
Std Dev 0

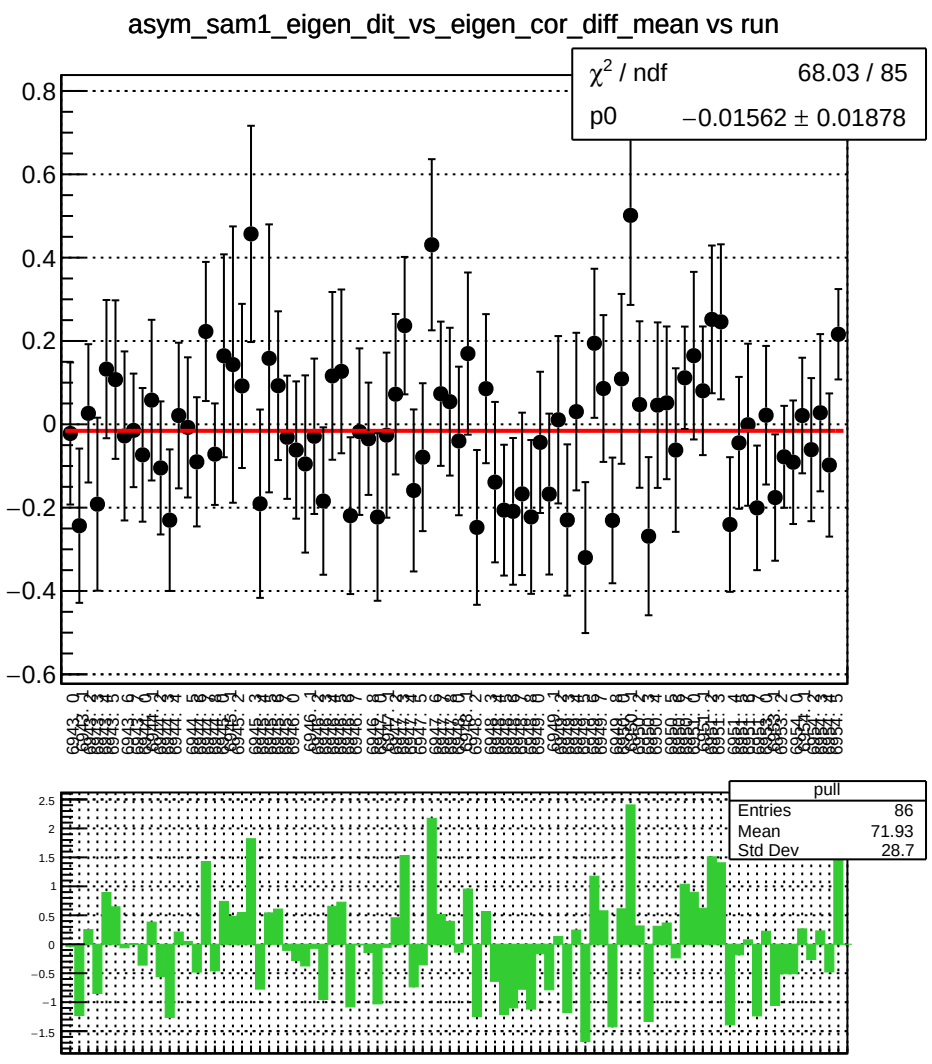

pull1D
Entries 86
Mean −0.01665
Std Dev 0.991

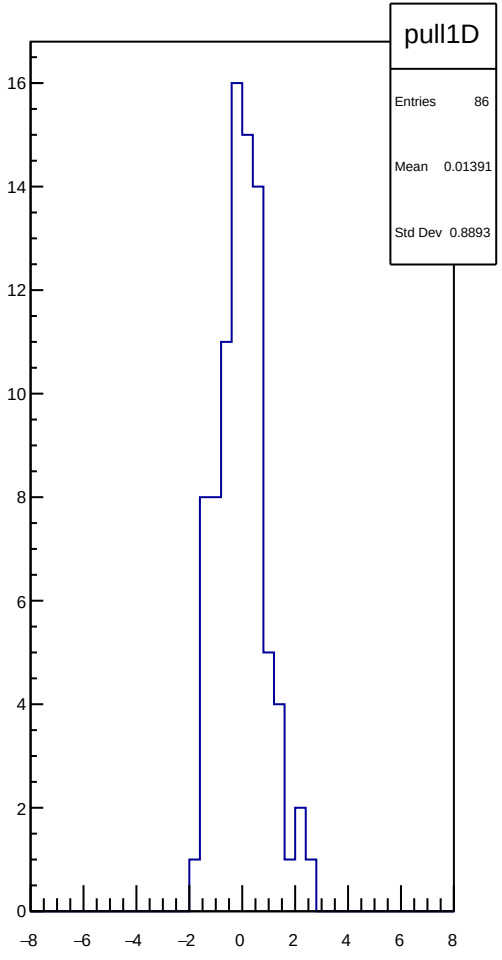

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8495 / 85
p0 0.001903 ± 1.483e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

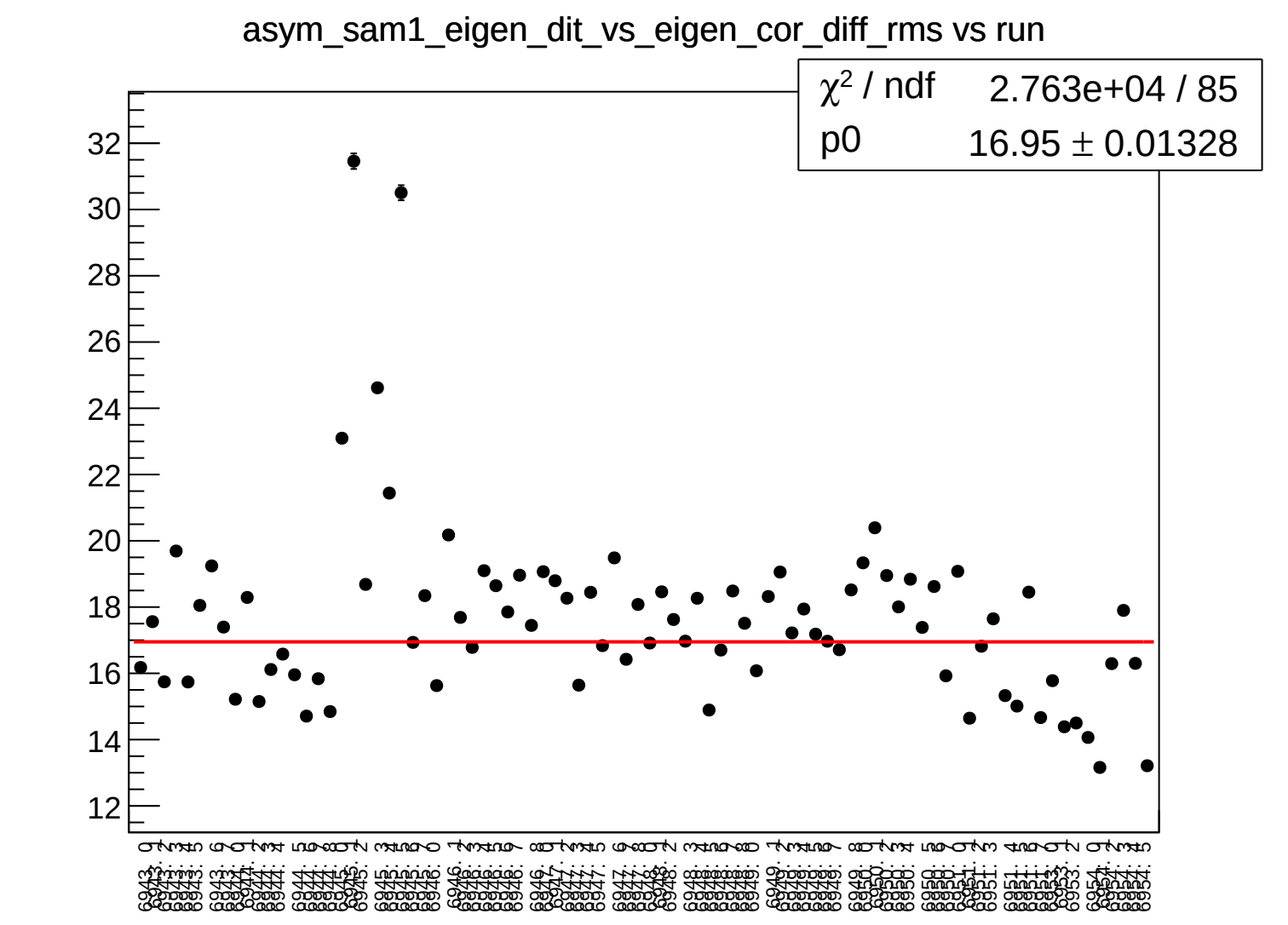

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.03 / 85
p0 −0.01562 ± 0.01878
pull
Entries 86
Mean 71.93
Std Dev 28.7

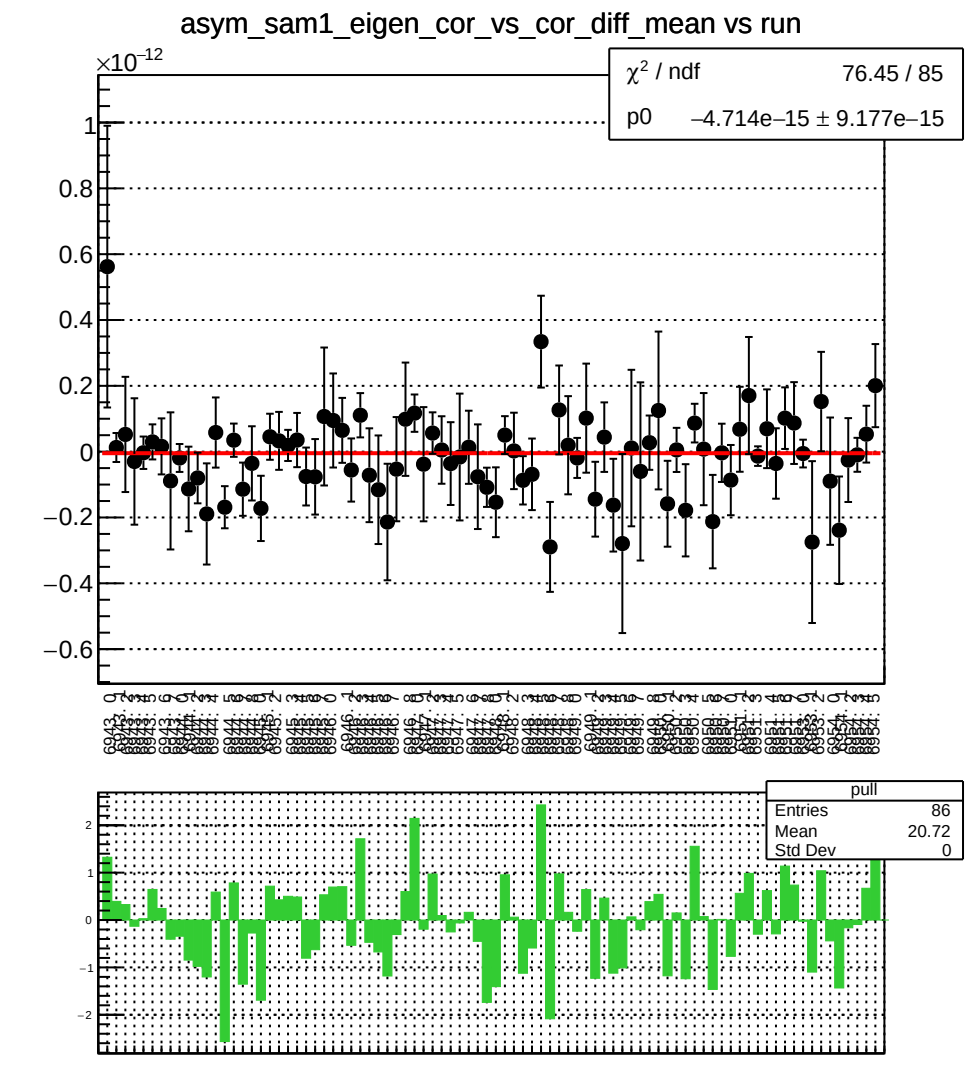

pull1D
Entries 86
Mean 0.01391
Std Dev 0.8893

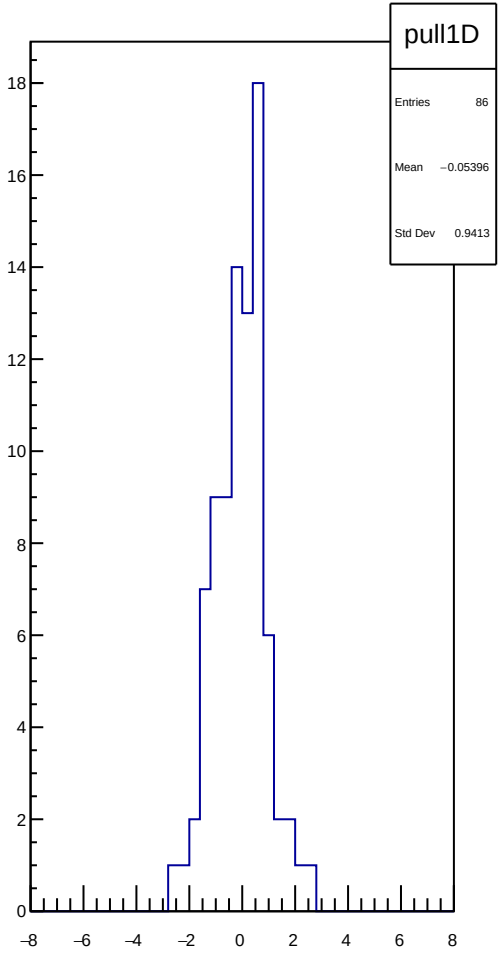

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.763e+04 / 85
p0 16.95 ± 0.01328
32
30
28
26
24
22
20
18
16
14
12

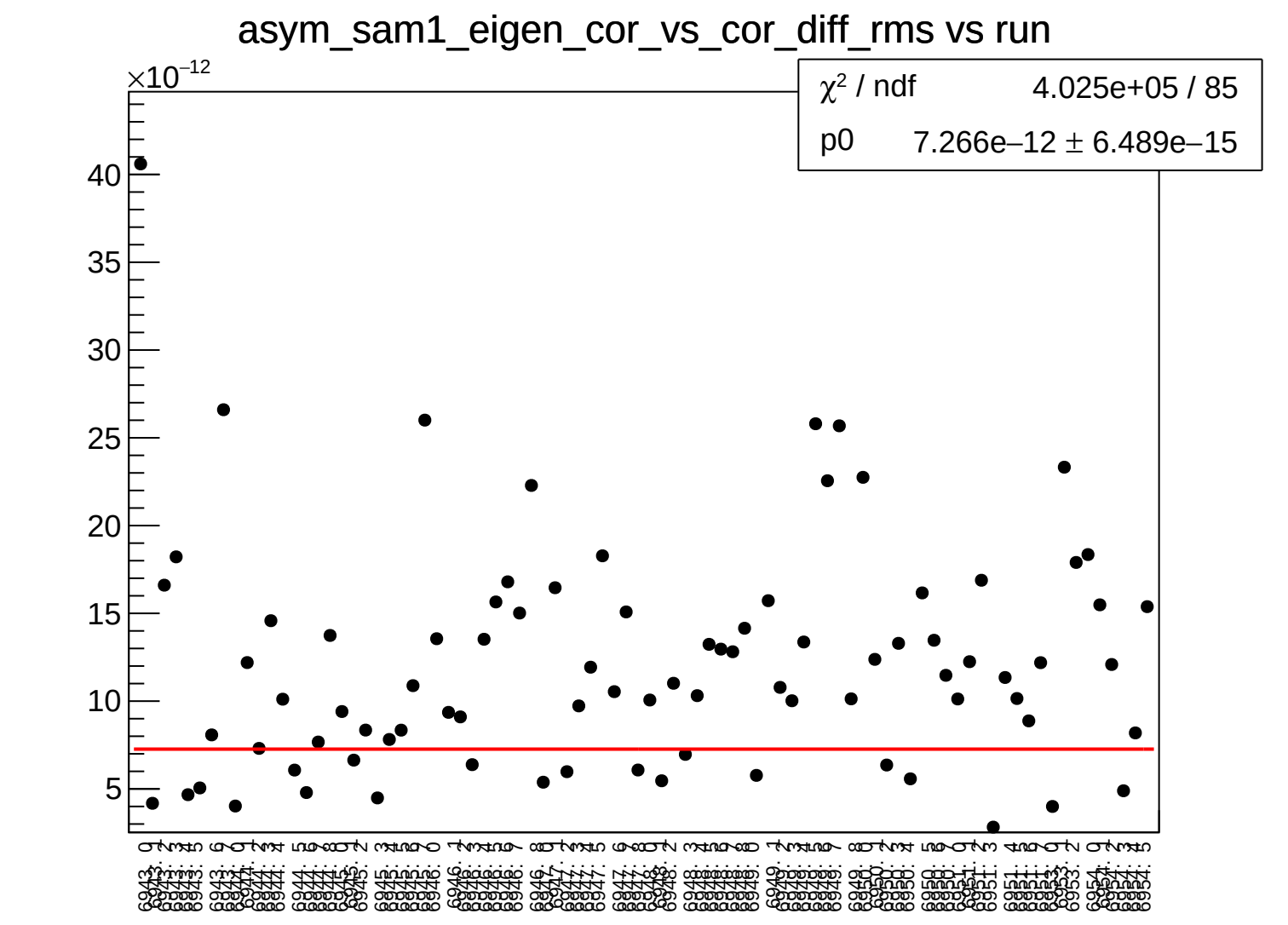

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.03 / 85
p0 −0.01562 ± 0.01878
pull
Entries 86
Mean 71.93
Std Dev 28.7

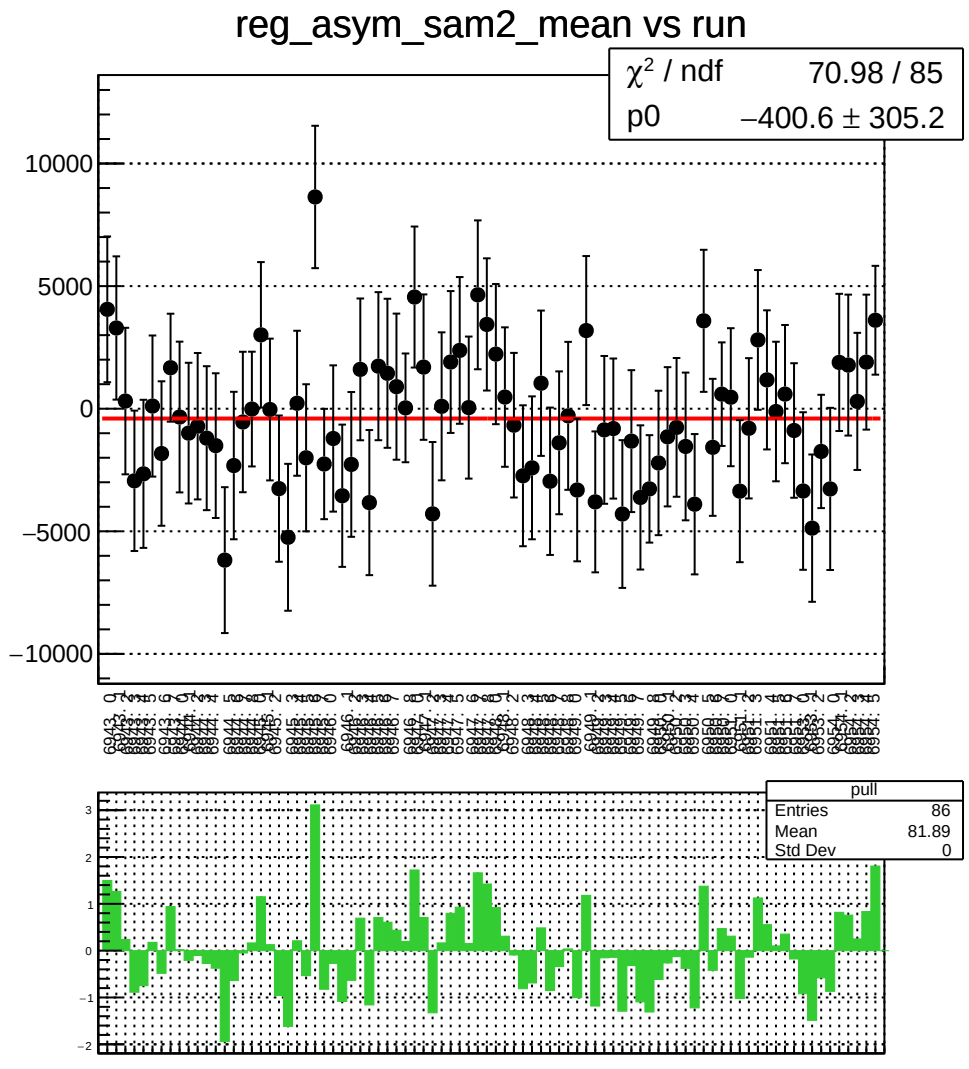

pull1D
Entries 86
Mean 0.01391
Std Dev 0.8893

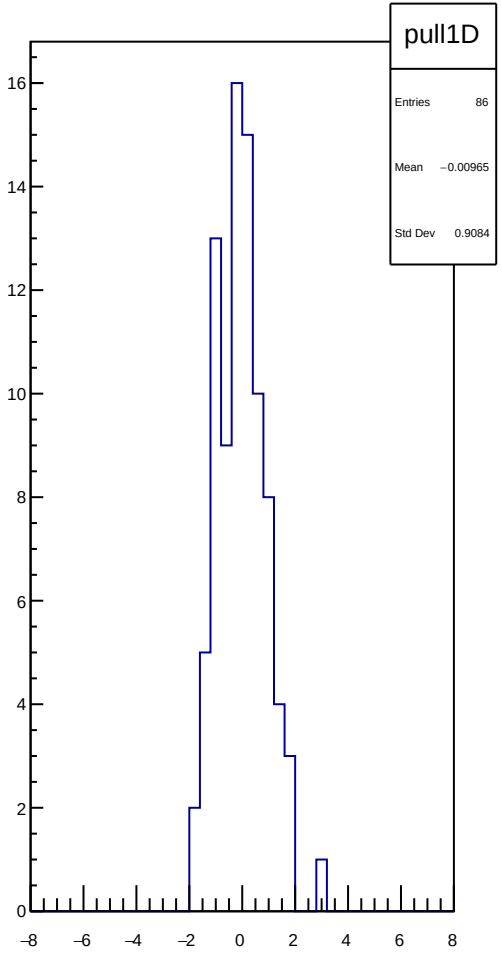

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.763e+04 / 85
p0 16.95 ± 0.01328
32
30
28
26
24
22
20
18
16
14
12


asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.45 / 85
p0 −4.714e−15 ± 9.177e−15
pull
Entries 86
Mean 20.72
Std Dev 0


pull1D
Entries 86
Mean −0.05396
Std Dev 0.9413


asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.025e+05 / 85
p0 7.266e−12 ± 6.489e−15
40
35
30
25
20
15
10
5


reg_asym_sam2_mean vs run
χ² / ndf 70.98 / 85
p0 −400.6 ± 305.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 81.89
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.00965
Std Dev 0.9084
16
14
12
10
8
6
4
2
0
−8
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−4
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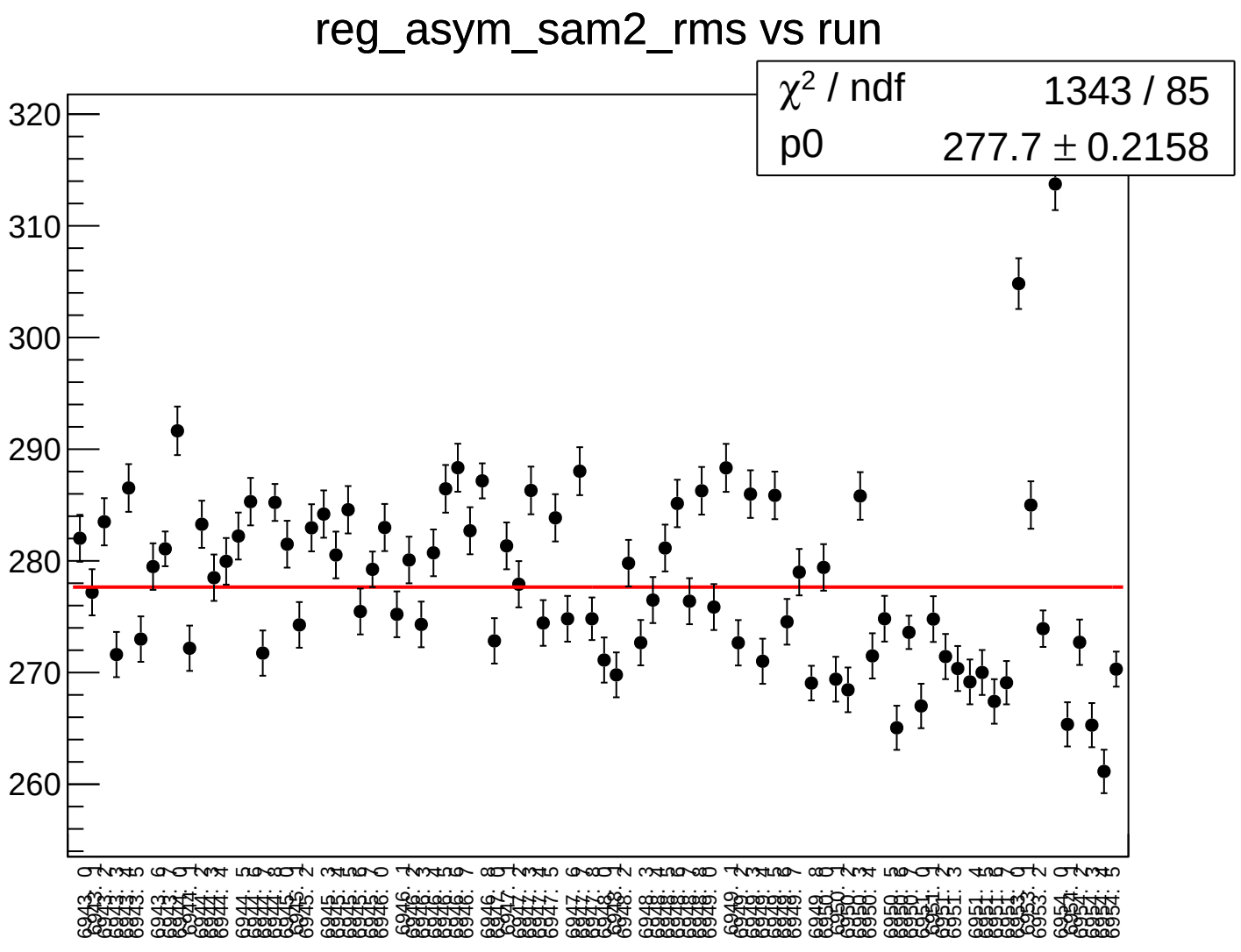
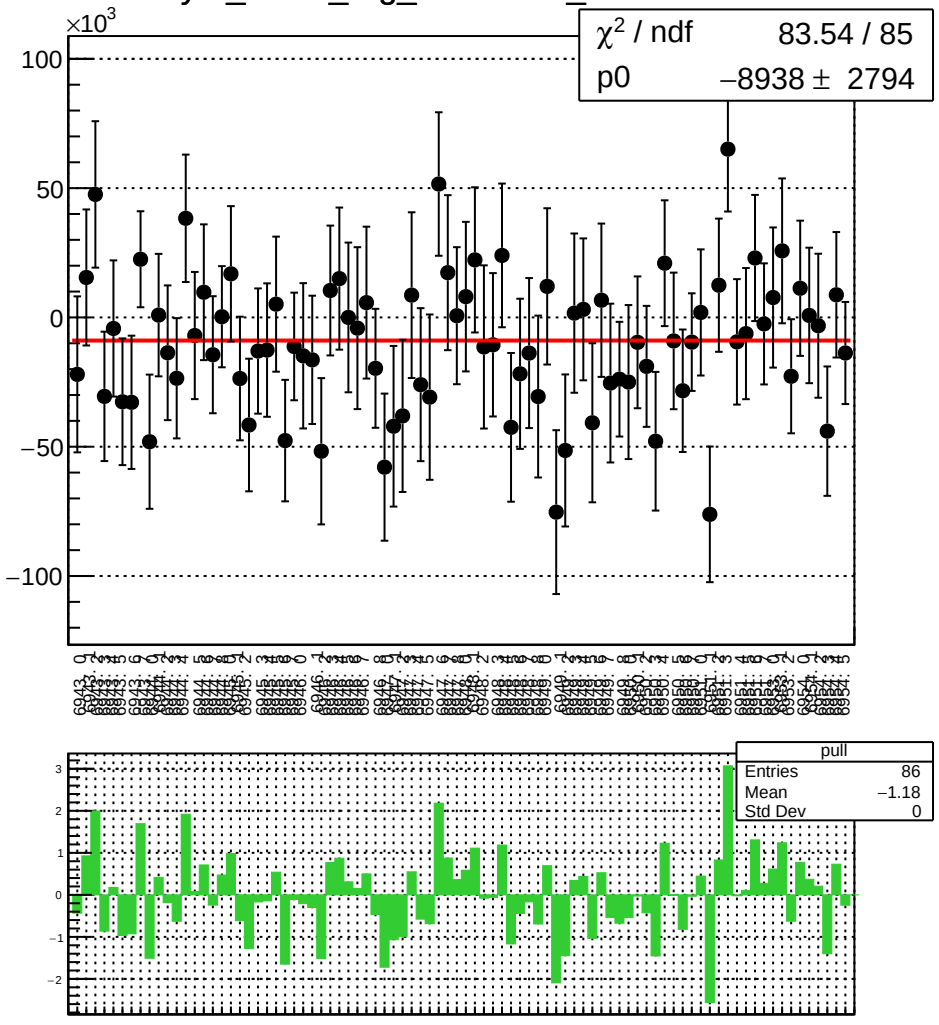
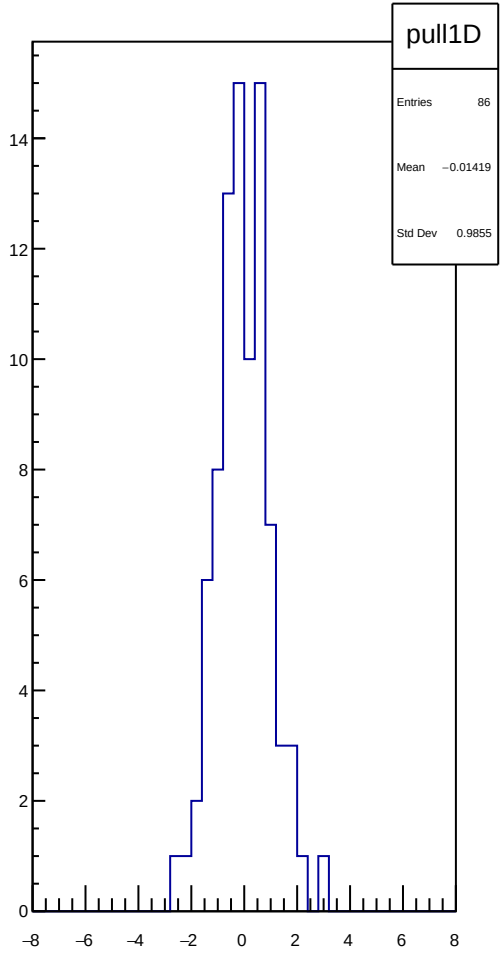
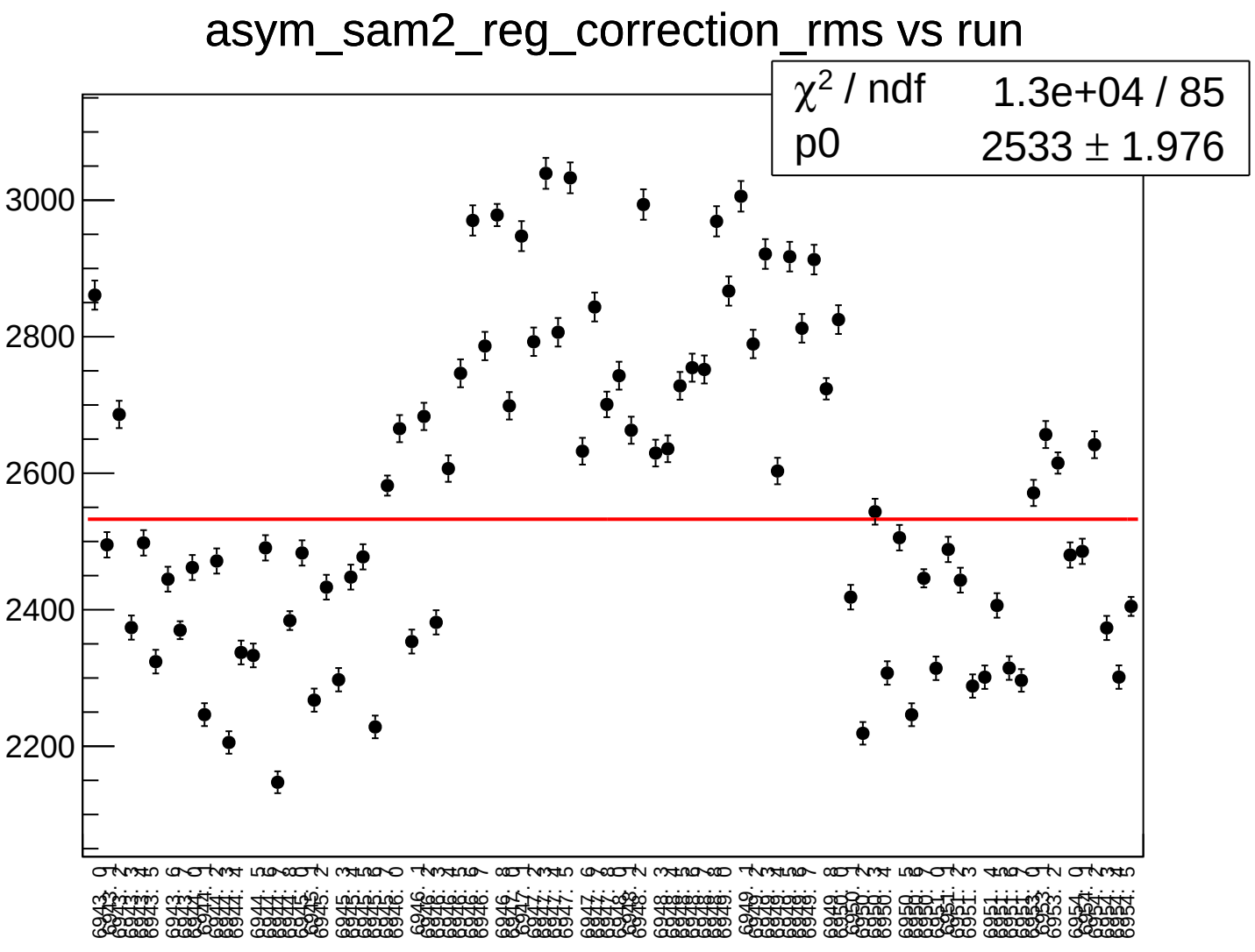
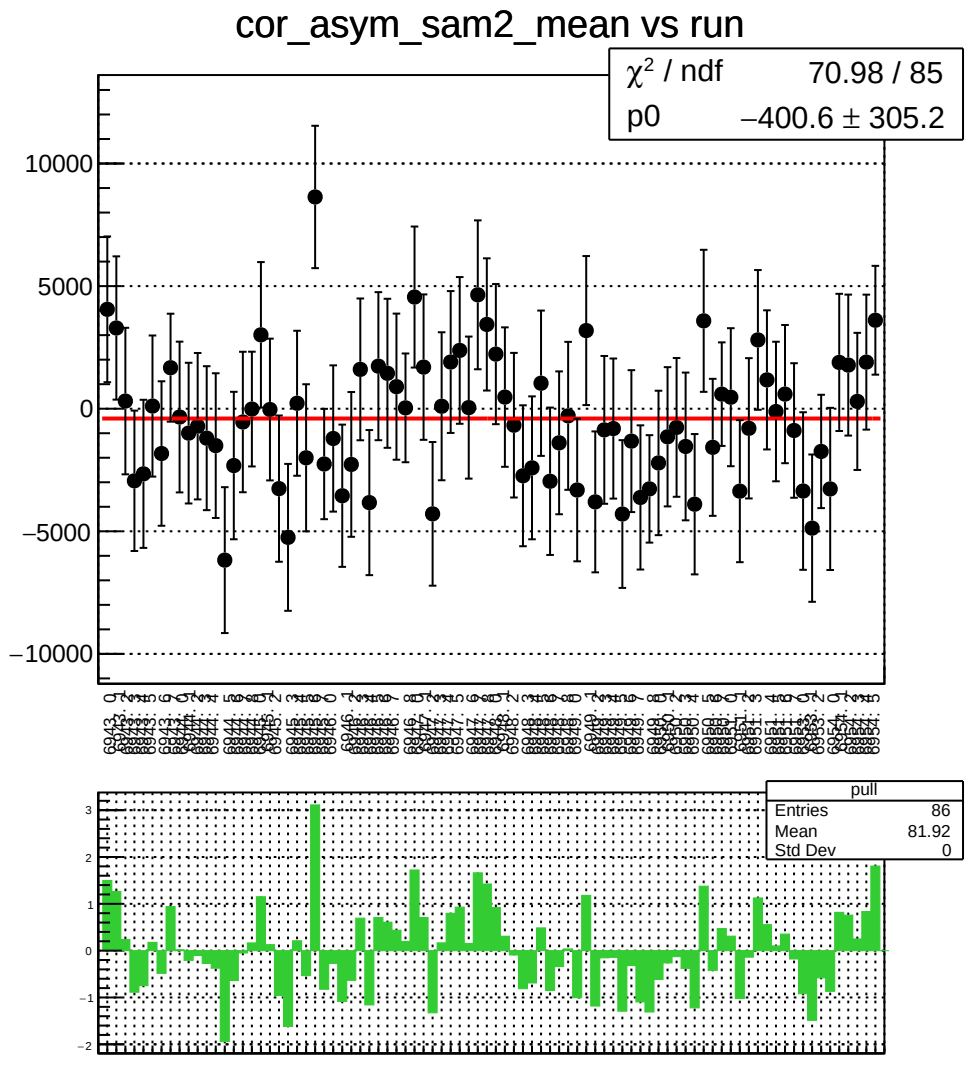
0
2
4
6
8

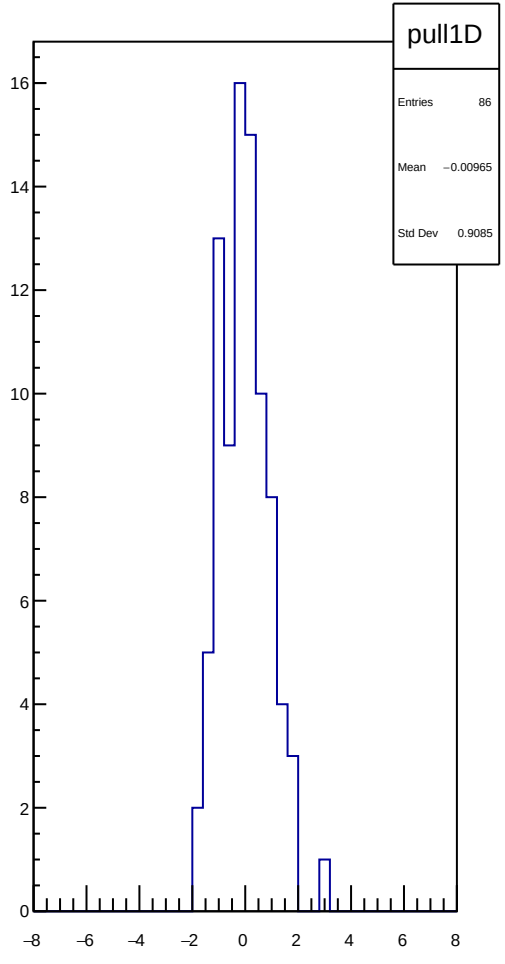

reg_asym_sam2_rms vs run
χ² / ndf 1343 / 85
p0 277.7 ± 0.2158
320
310
300
290
280
270
260

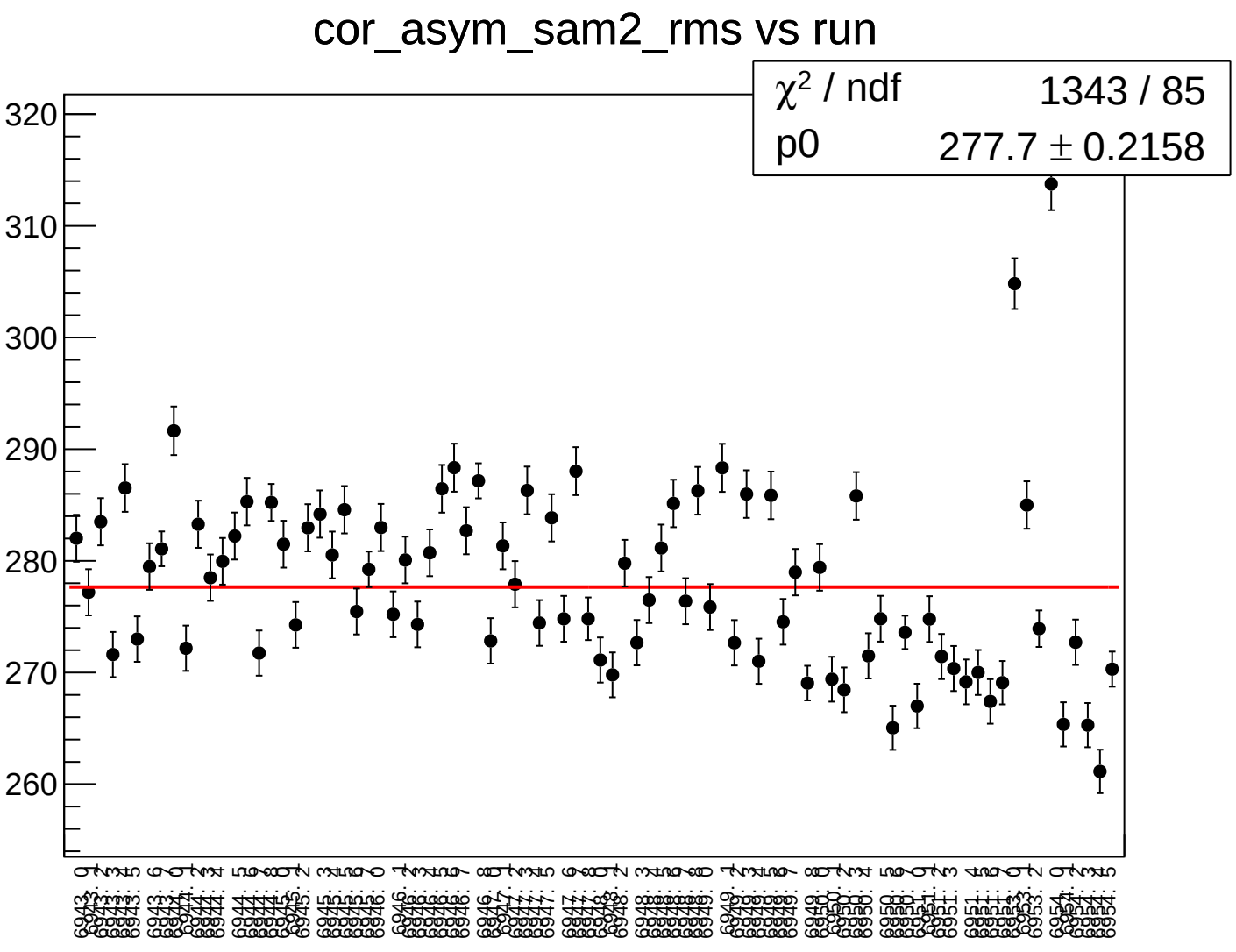

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 83.54 / 85
p0 −8938 ± 2794
100
50
0
−50
−100
pull
Entries 86
Mean −1.18
Std Dev 0
3
2
1
0
−1
−2

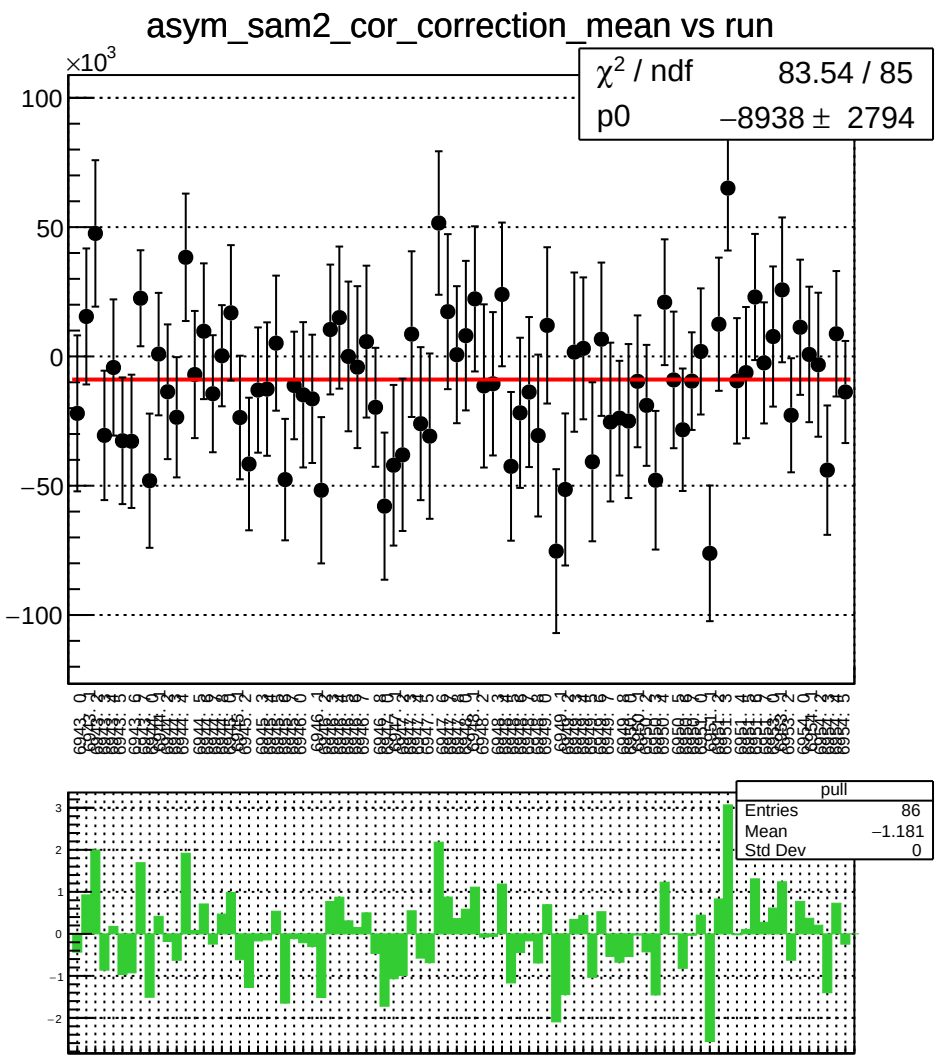

pull1D
Entries 86
Mean −0.01419
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

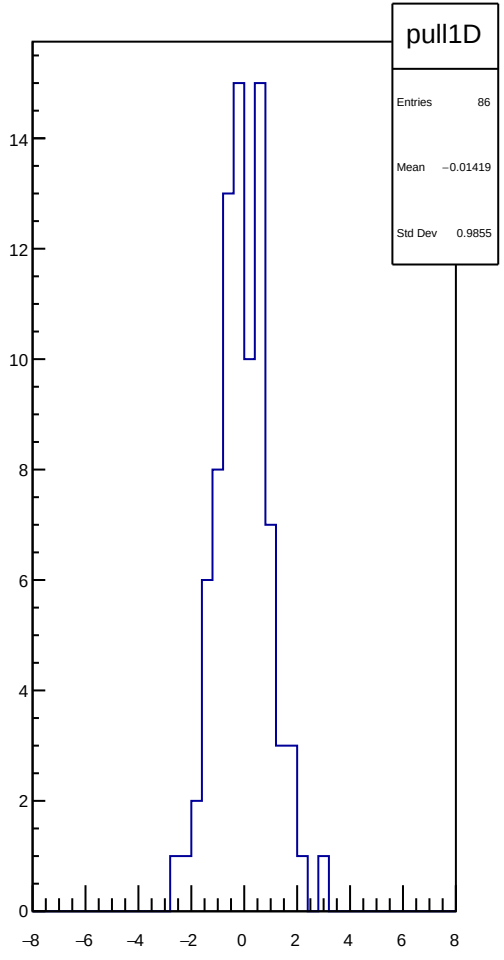

asym_sam2_reg_correction_rms vs run
χ² / ndf 1.3e+04 / 85
p0 2533 ± 1.976
3000
2800
2600
2400
2200

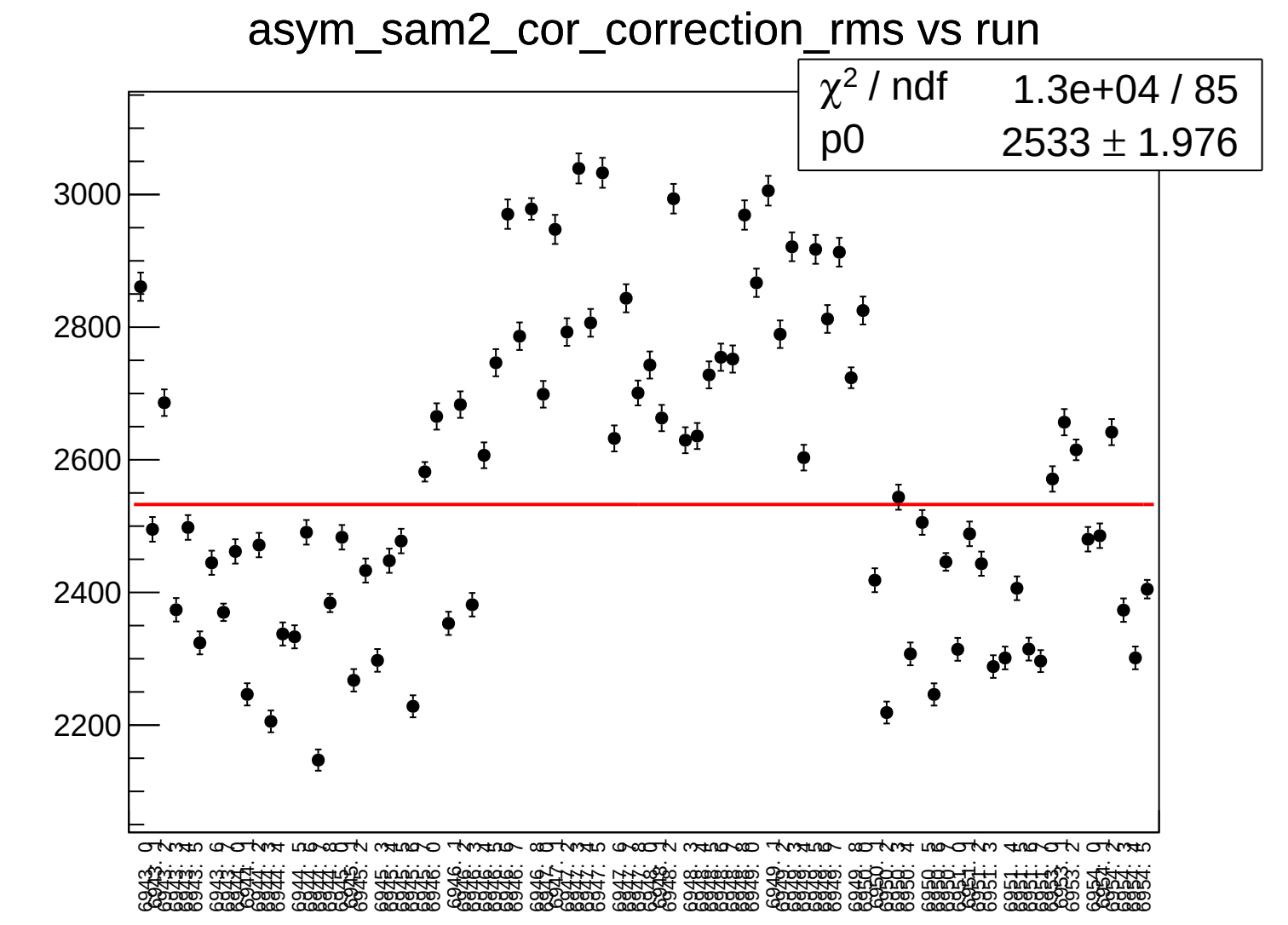

cor_asym_sam2_mean vs run
χ² / ndf 70.98 / 85
p0 −400.6 ± 305.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 81.92
Std Dev 0
3
2
1
0
−1
−2

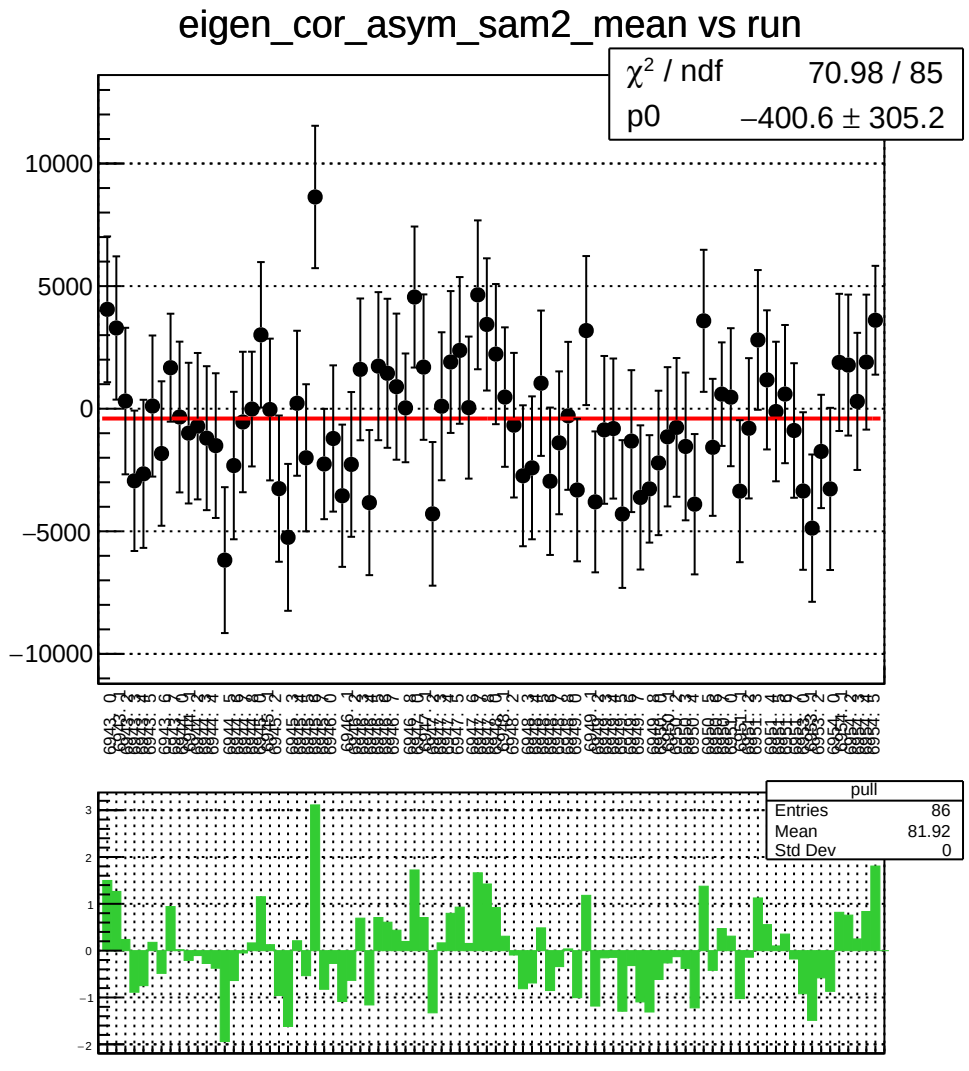

pull1D
Entries 86
Mean −0.00965
Std Dev 0.9085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

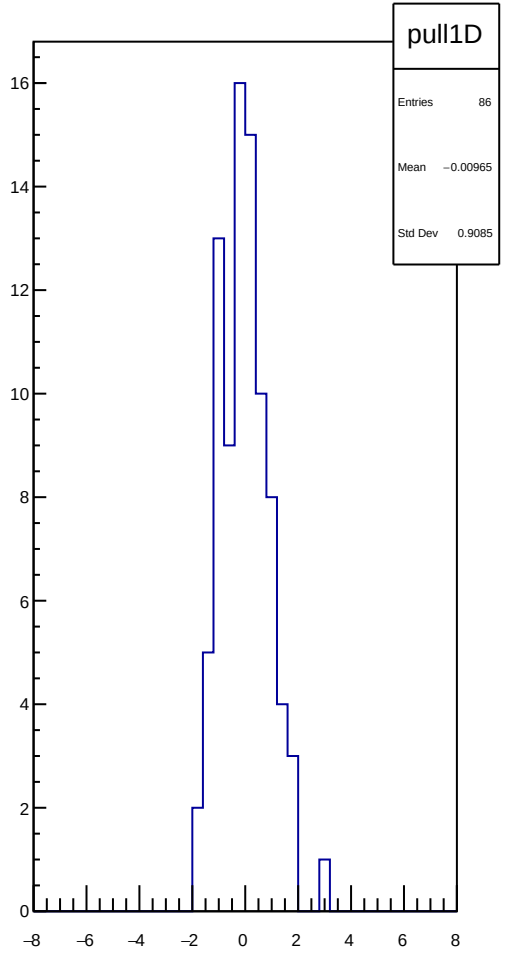

cor_asym_sam2_rms vs run
χ² / ndf 1343 / 85
p0 277.7 ± 0.2158
320
310
300
290
280
270
260

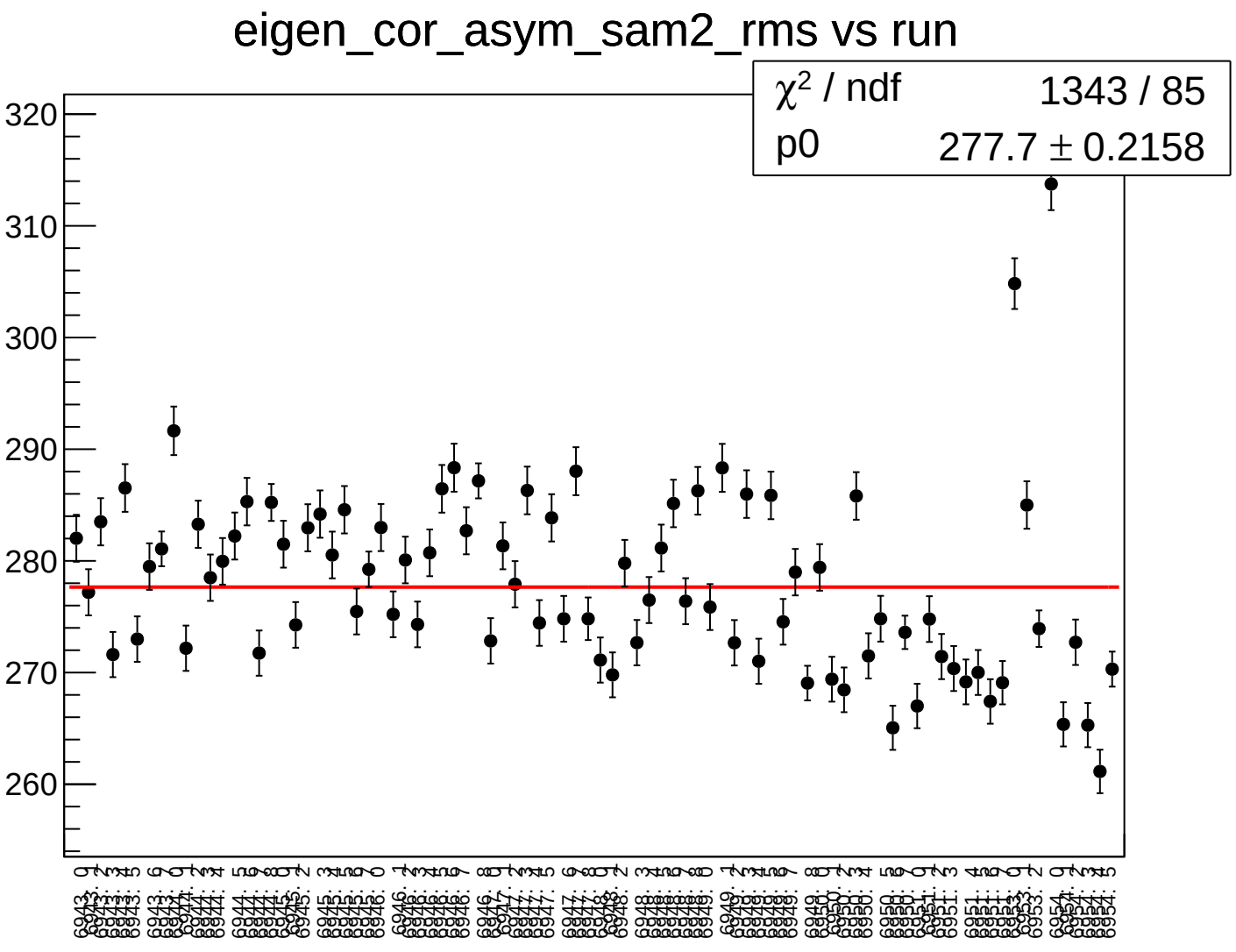

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 83.54 / 85
p0 −8938 ± 2794
100
50
0
−50
−100
pull
Entries 86
Mean −1.181
Std Dev 0
3
2
1
0
−1
−2

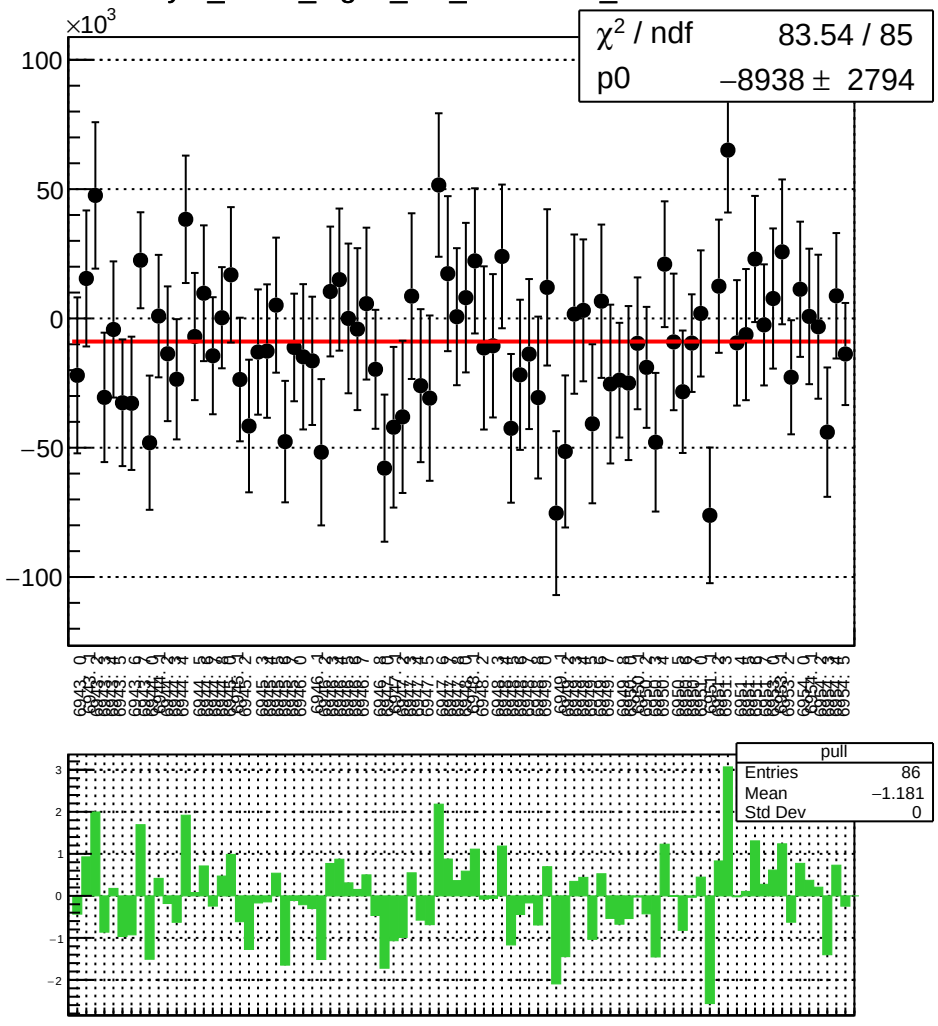

pull1D
Entries 86
Mean −0.01419
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

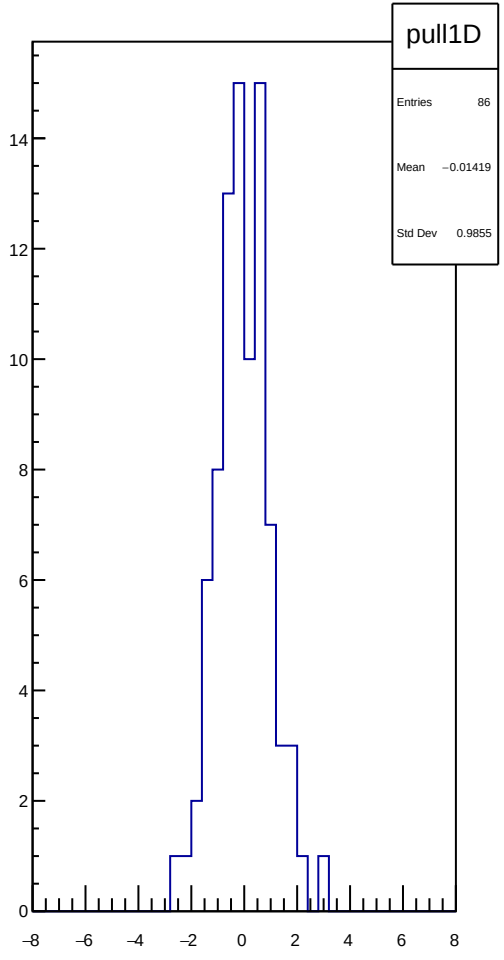

asym_sam2_cor_correction_rms vs run
χ² / ndf 1.3e+04 / 85
p0 2533 ± 1.976
3000
2800
2600
2400
2200


eigen_cor_asym_sam2_mean vs run
χ² / ndf 70.98 / 85
p0 −400.6 ± 305.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 81.92
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.00965
Std Dev 0.9085
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 1343 / 85
p0 277.7 ± 0.2158
320
310
300
290
280
270
260


asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 83.54 / 85
p0 −8938 ± 2794
100
50
0
−50
−100
pull
Entries 86
Mean −1.181
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01419
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
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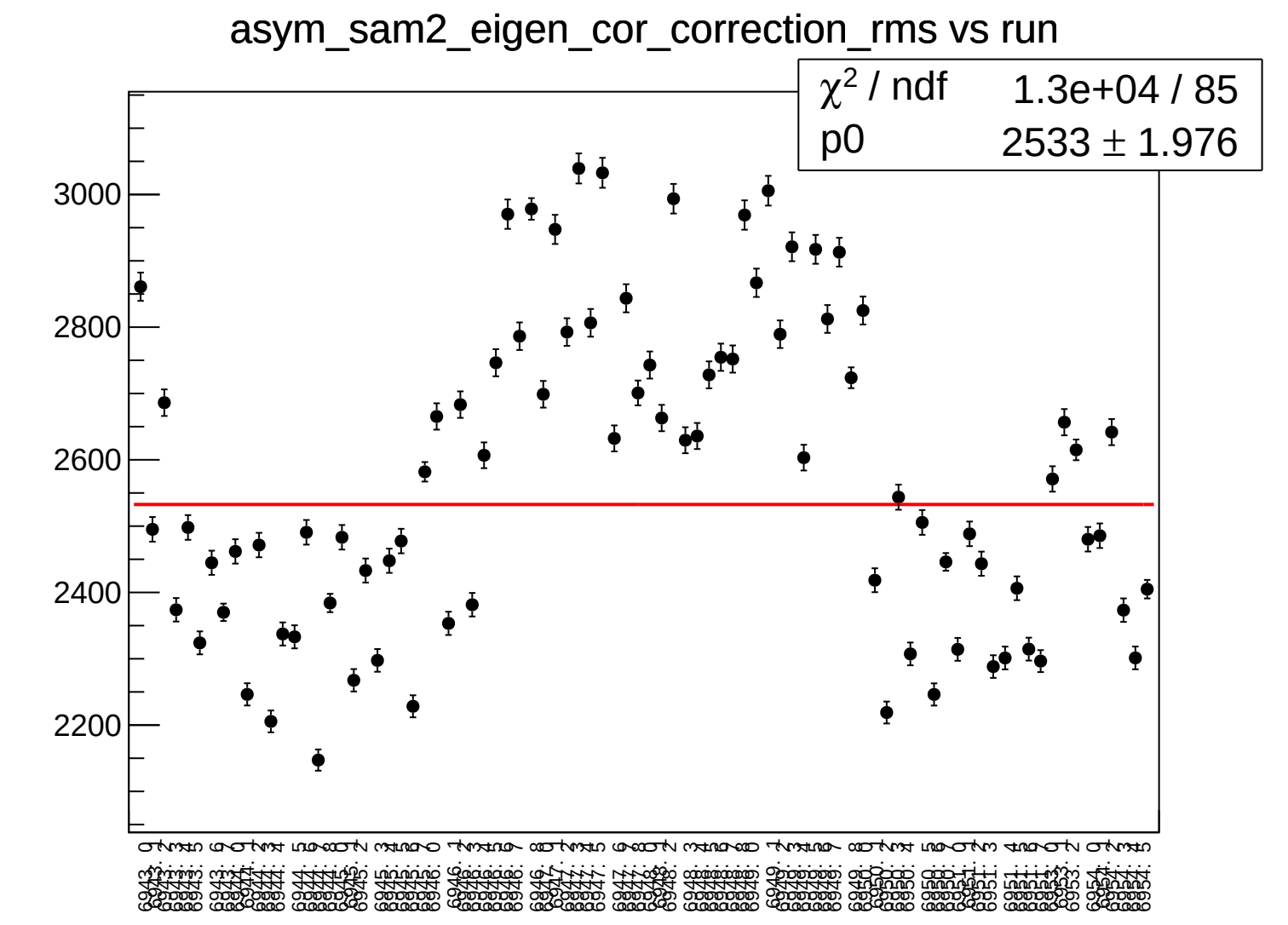
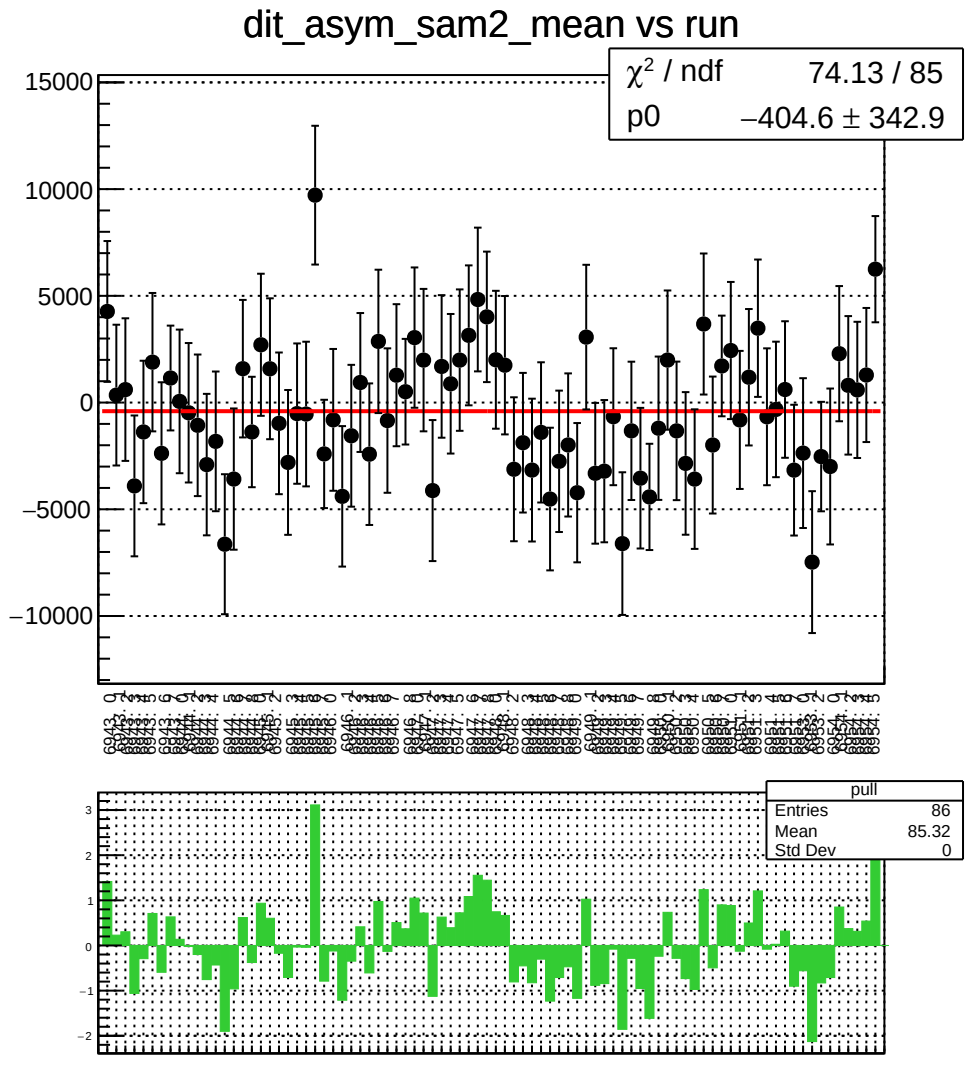
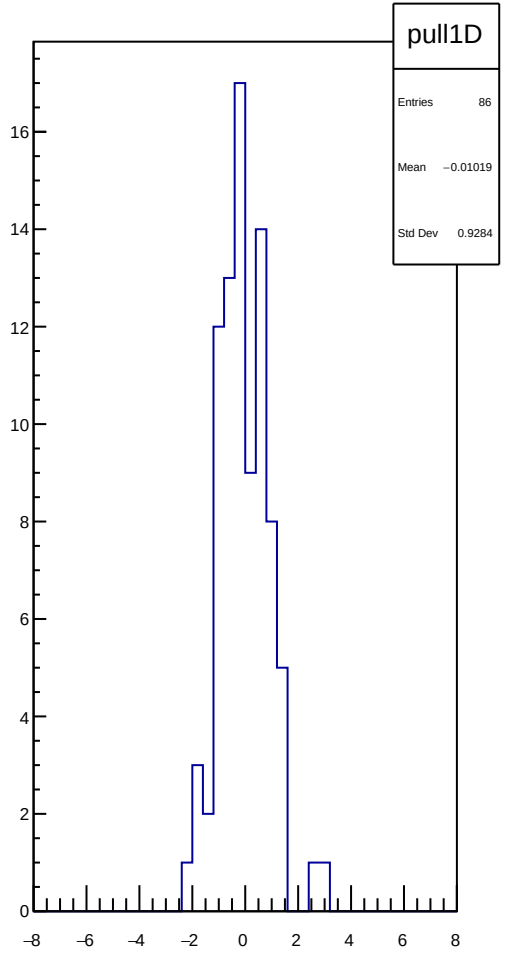
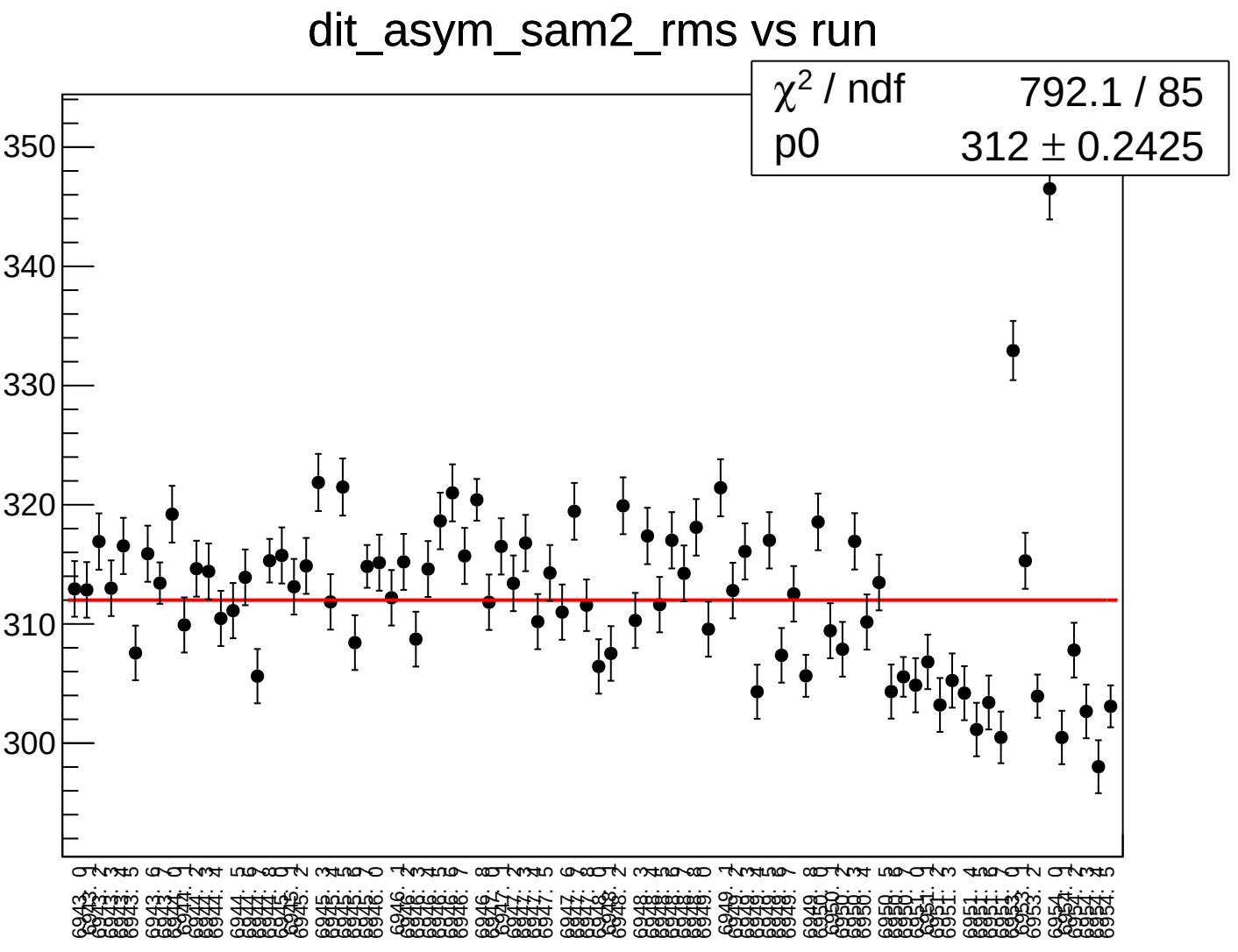
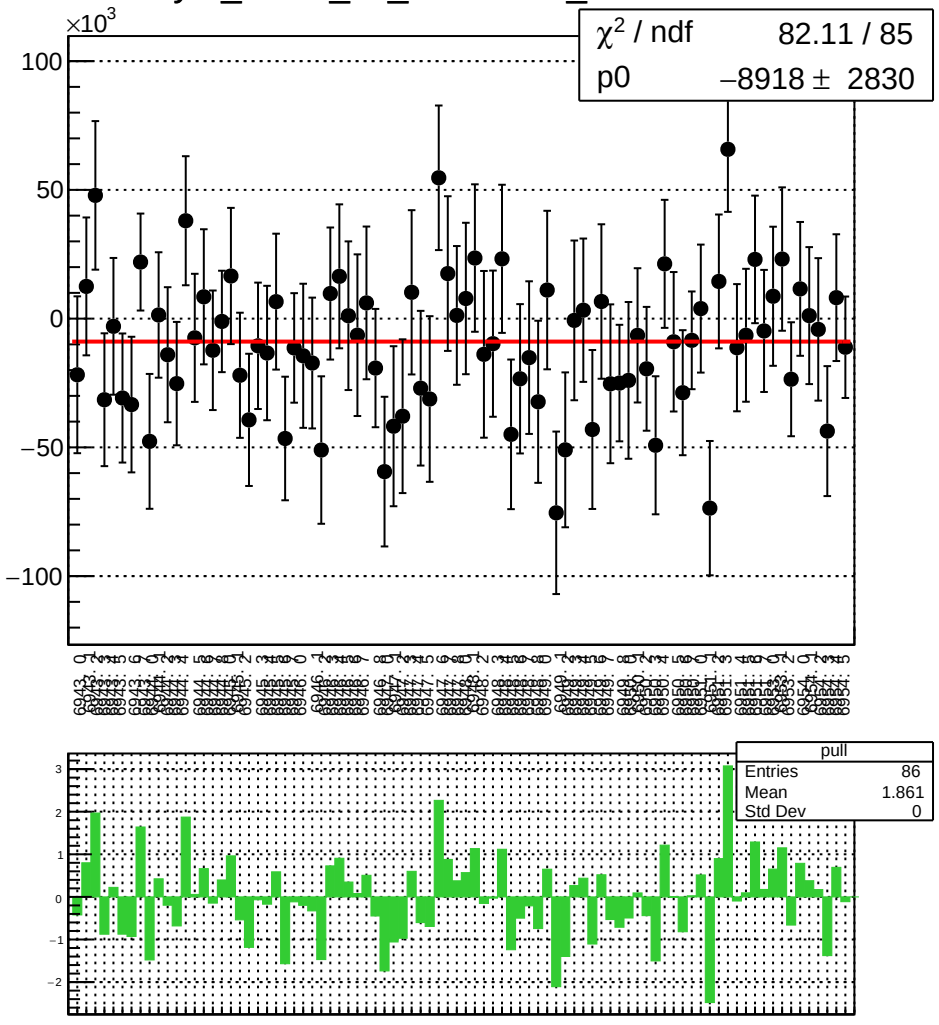
0
2
4
6
8

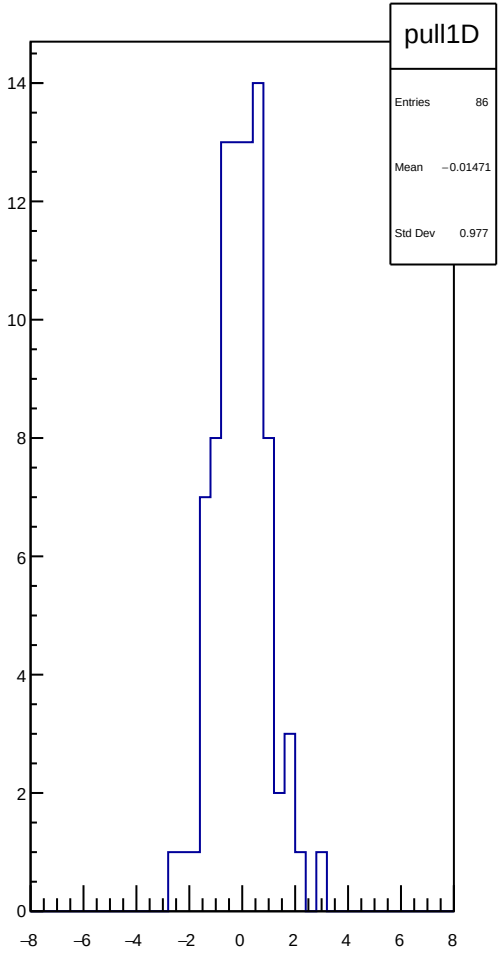

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1.3e+04 / 85
p0 2533 ± 1.976
3000
2800
2600
2400
2200

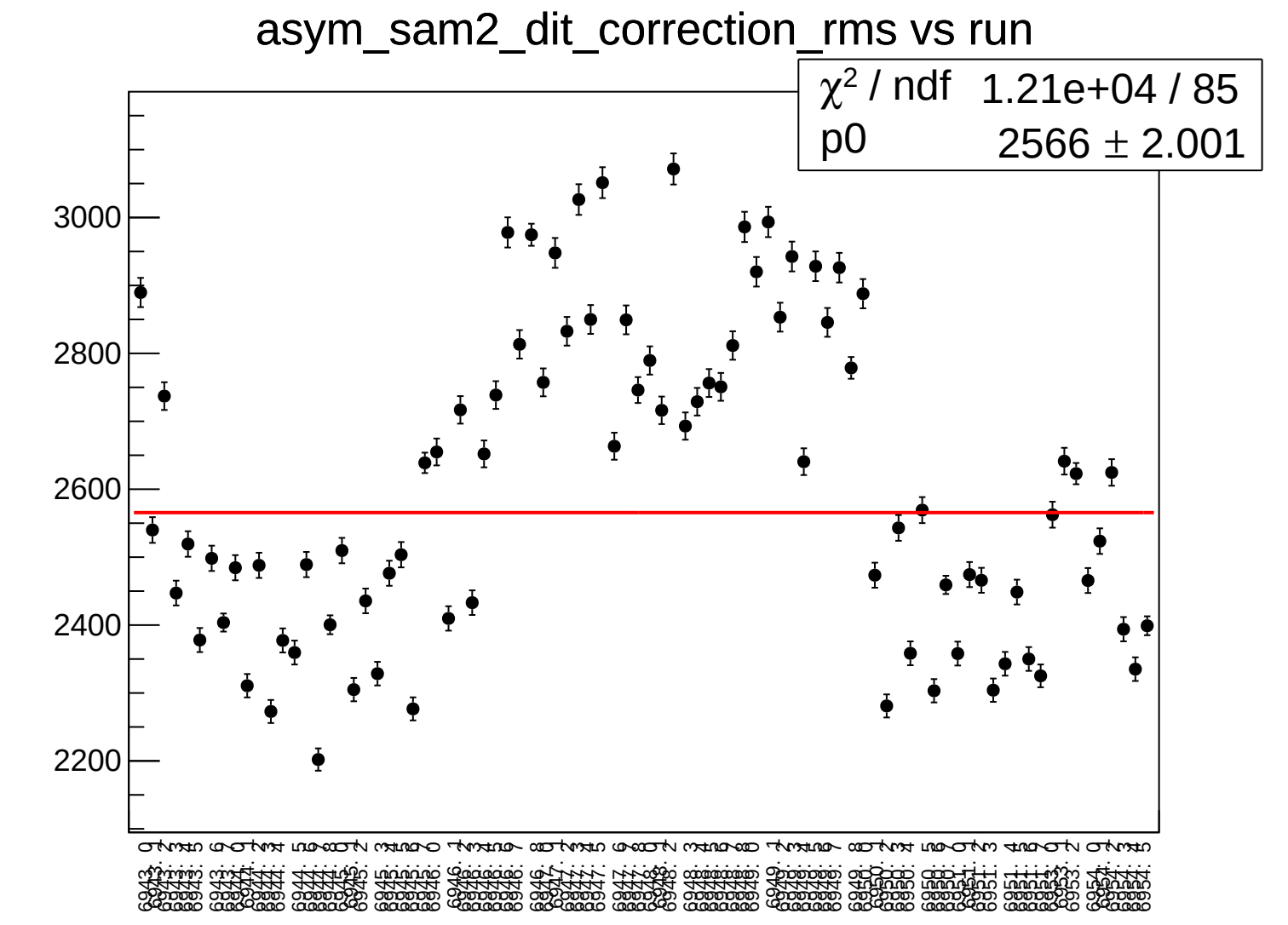

dit_asym_sam2_mean vs run
χ² / ndf 74.13 / 85
p0 −404.6 ± 342.9
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 85.32
Std Dev 0
3
2
1
0
−1
−2

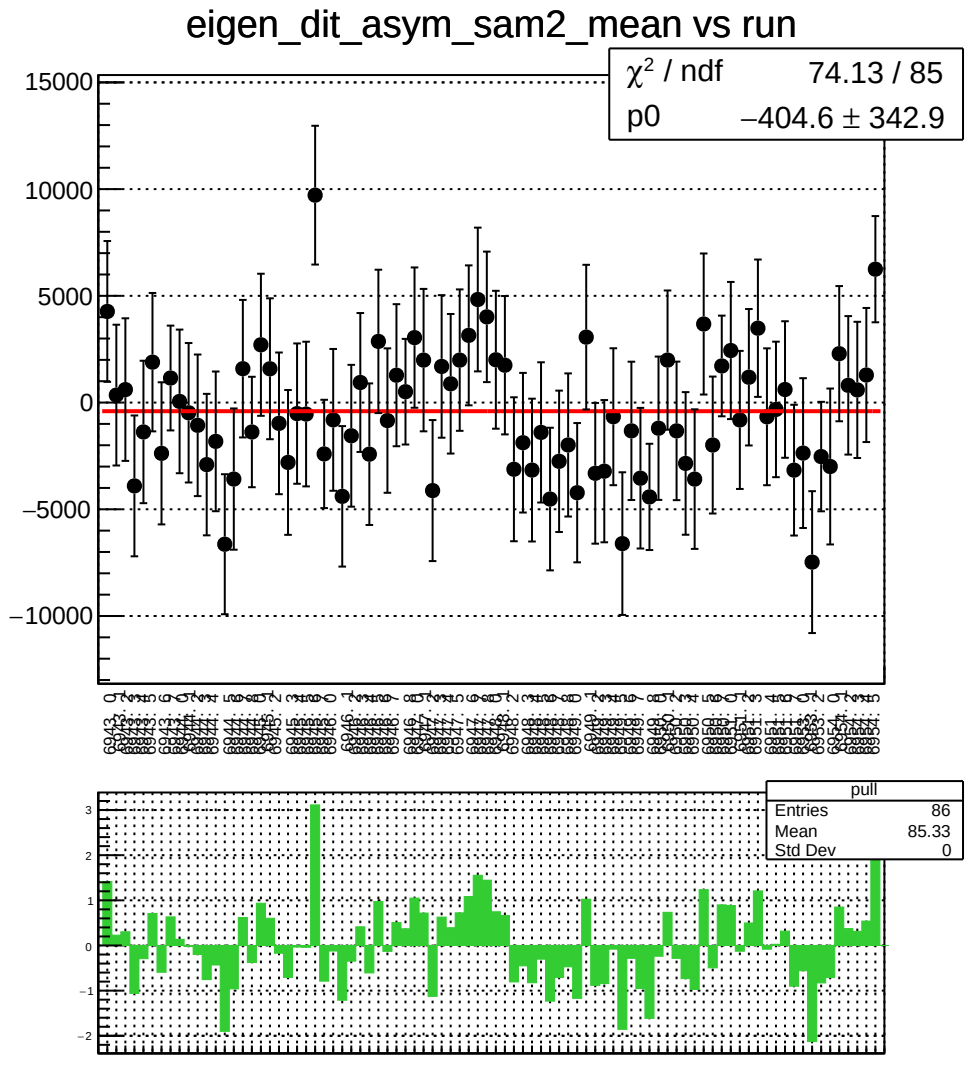

pull1D
Entries 86
Mean −0.01019
Std Dev 0.9284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

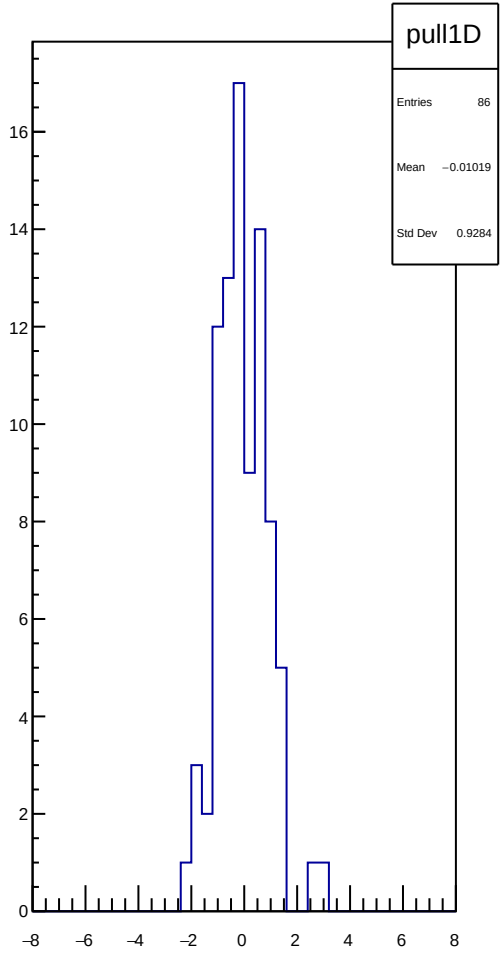

dit_asym_sam2_rms vs run
χ² / ndf 792.1 / 85
p0 312 ± 0.2425
350
340
330
320
310
300

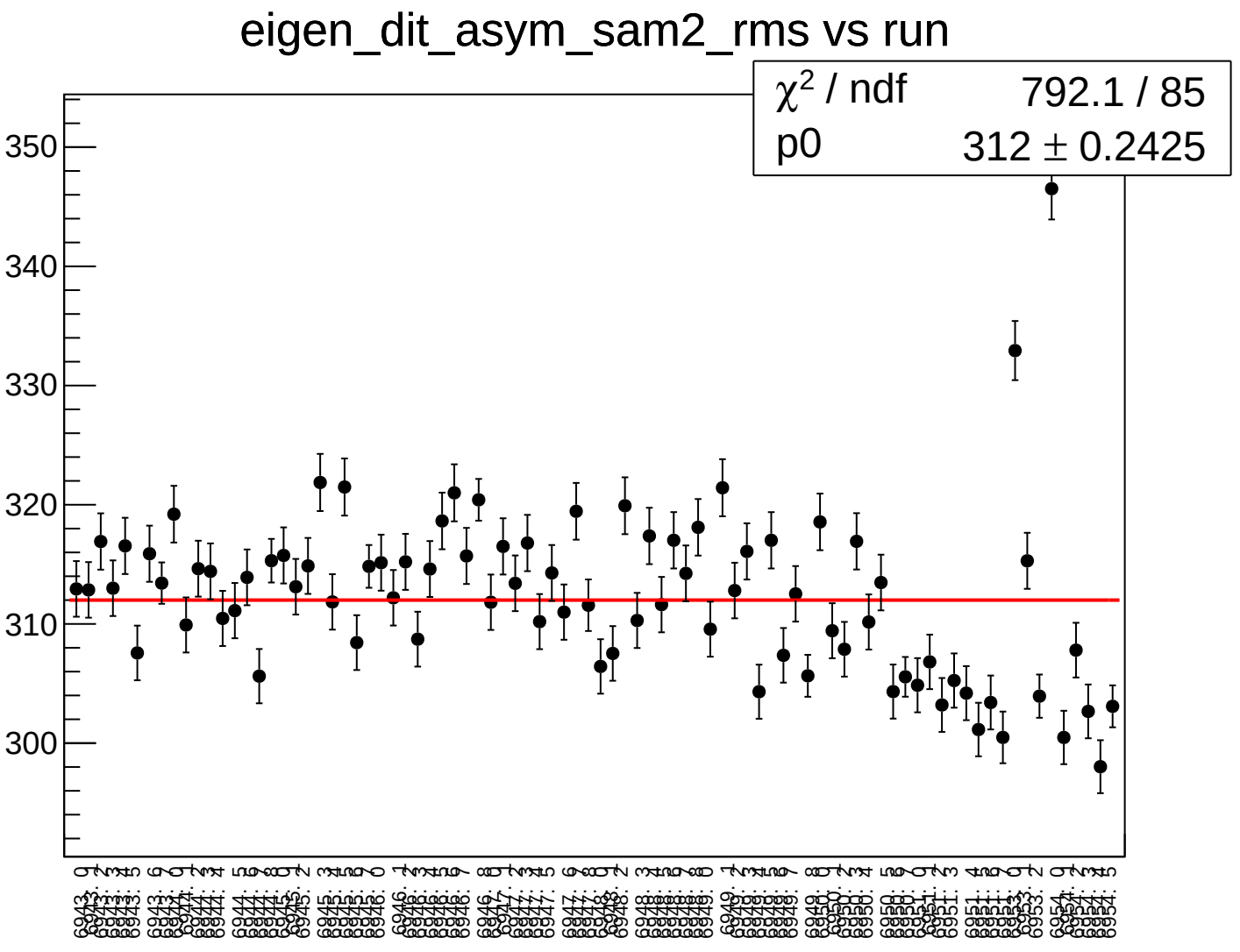

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 82.11 / 85
p0 −8918 ± 2830
100
50
0
−50
−100
pull
Entries 86
Mean 1.861
Std Dev 0
3
2
1
0
−1
−2

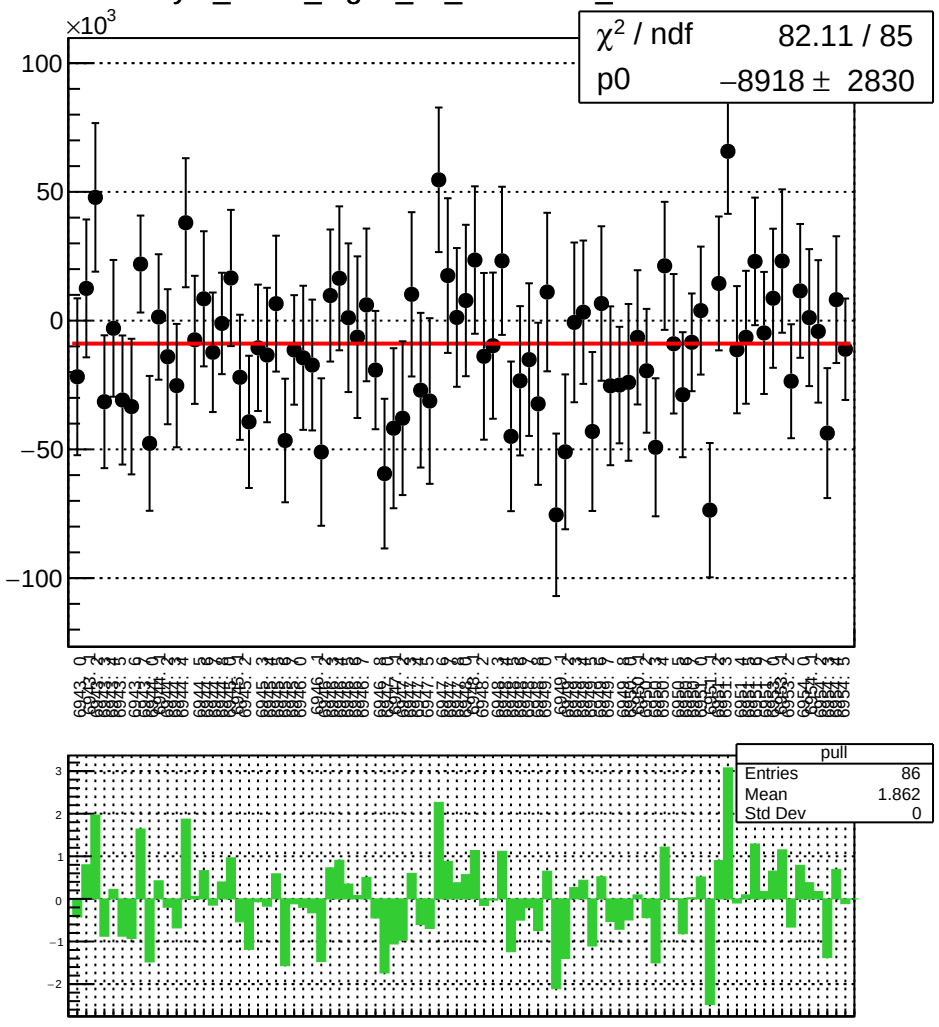

pull1D
Entries 86
Mean −0.01471
Std Dev 0.977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

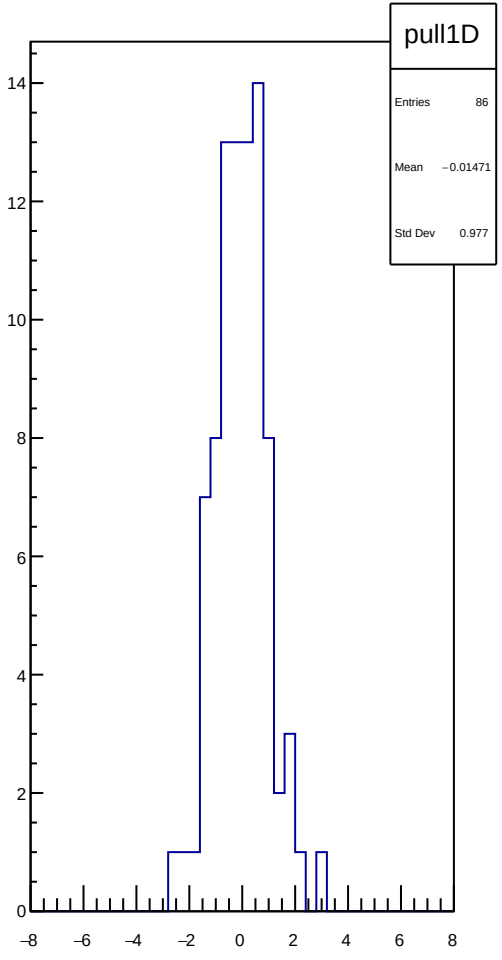

asym_sam2_dit_correction_rms vs run
χ² / ndf 1.21e+04 / 85
p0 2566 ± 2.001
3000
2800
2600
2400
2200

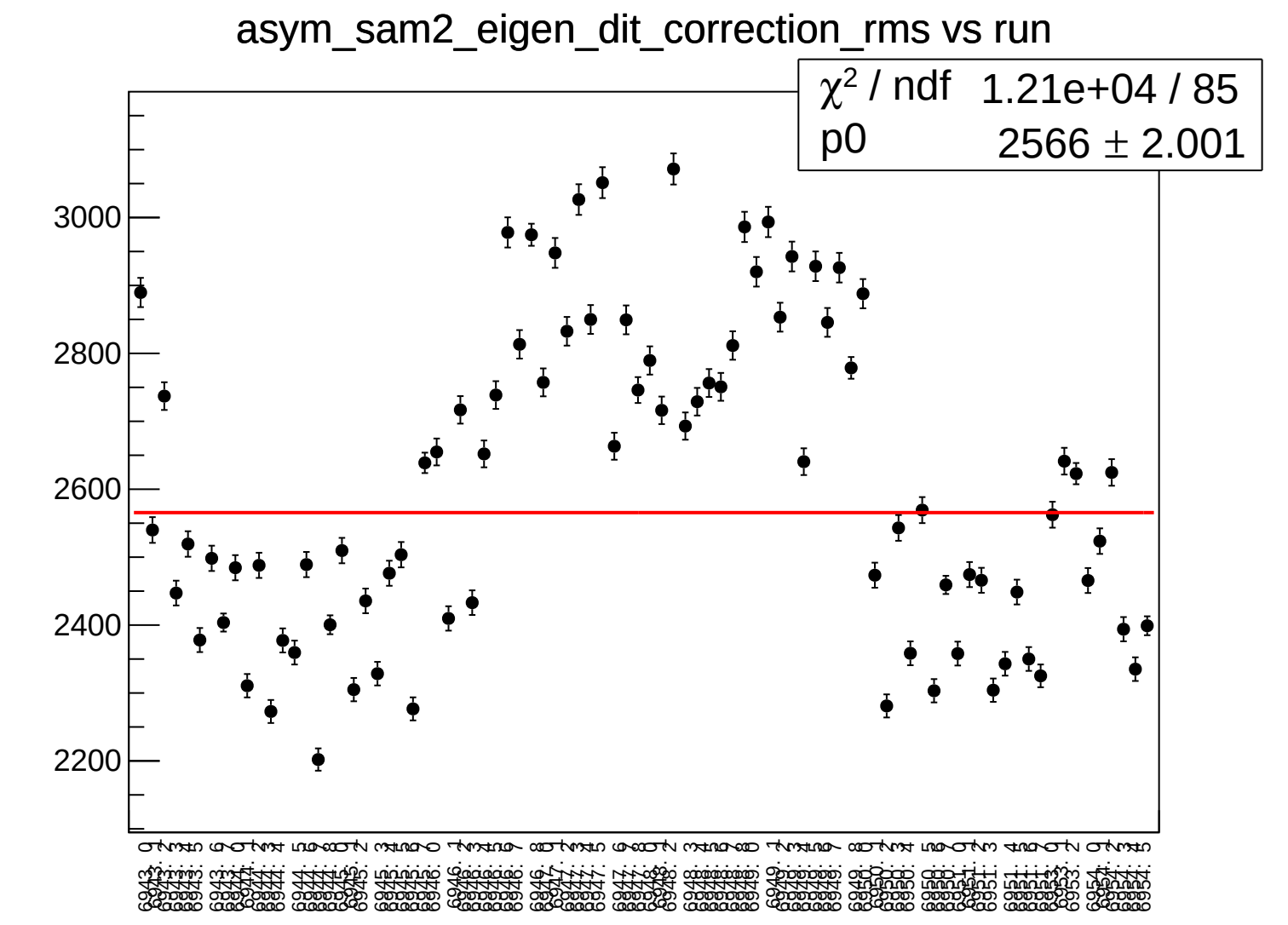

eigen_dit_asym_sam2_mean vs run
χ² / ndf 74.13 / 85
p0 −404.6 ± 342.9
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 85.33
Std Dev 0
3
2
1
0
−1
−2

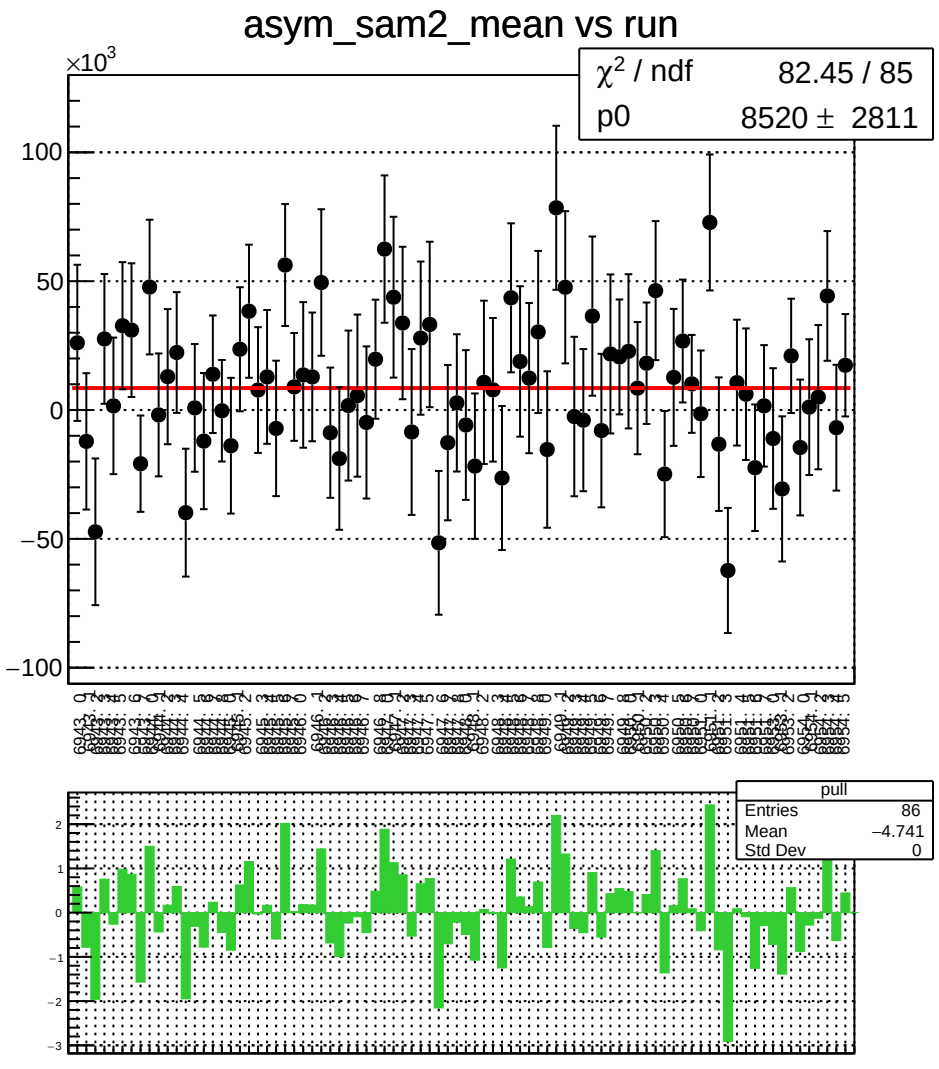

pull1D
Entries 86
Mean −0.01019
Std Dev 0.9284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

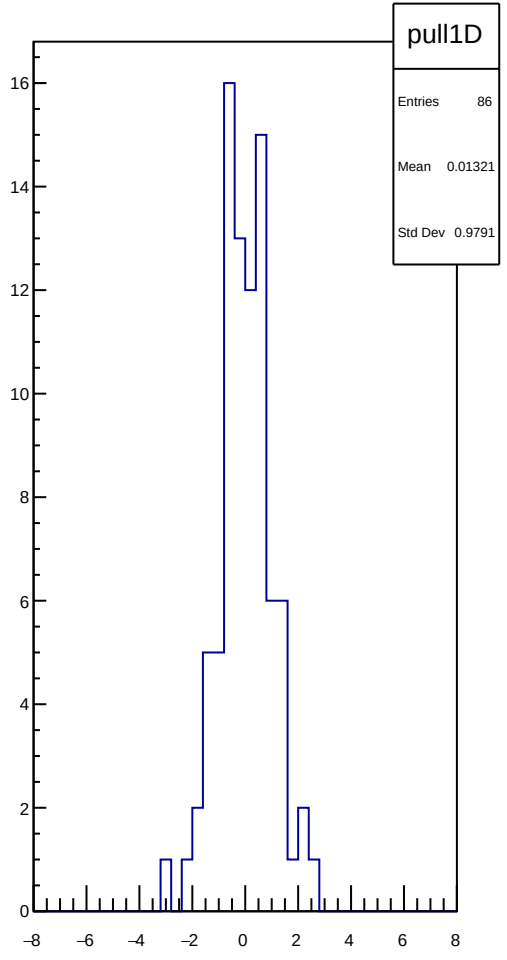

eigen_dit_asym_sam2_rms vs run
χ² / ndf 792.1 / 85
p0 312 ± 0.2425
350
340
330
320
310
300

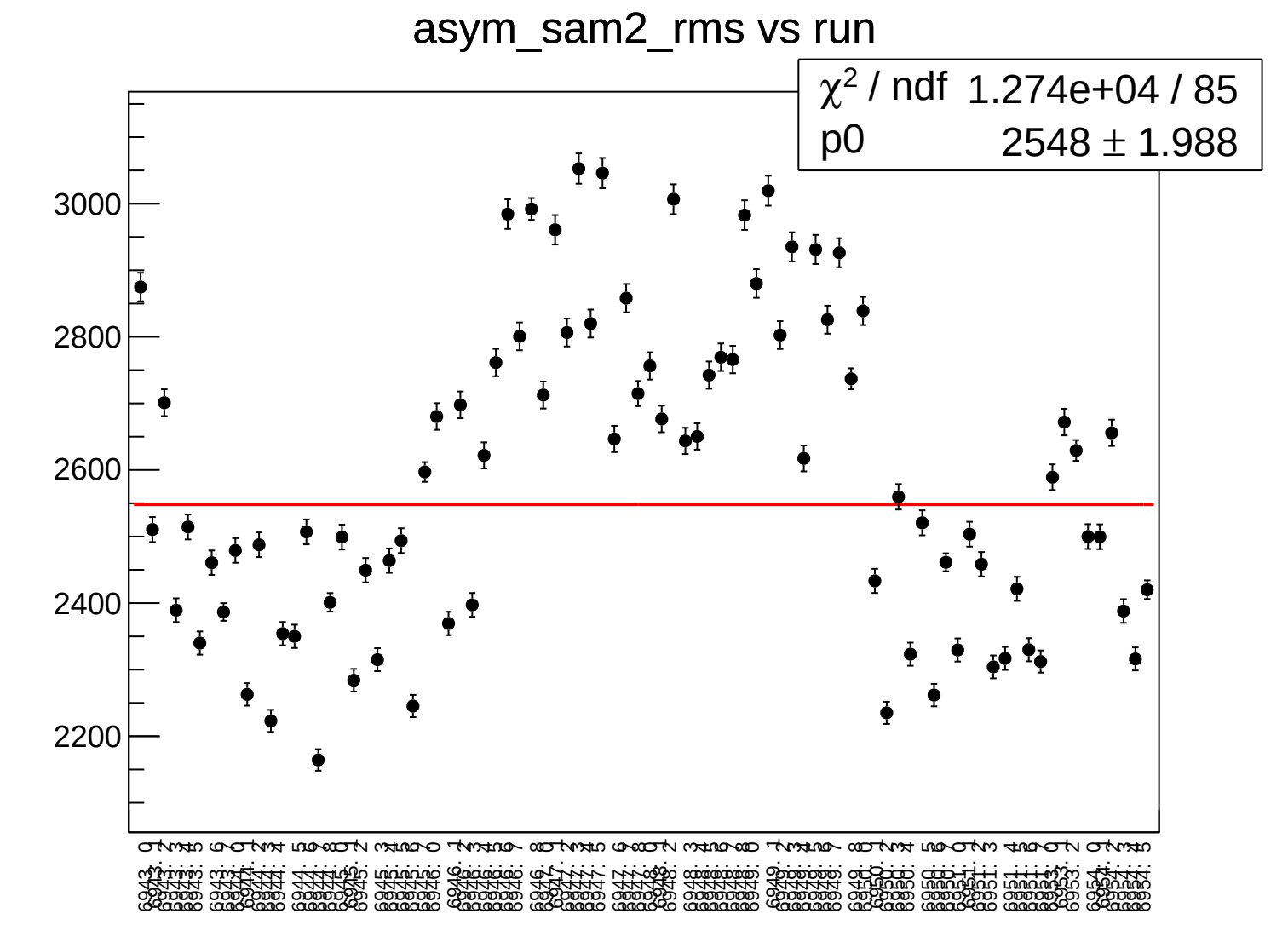

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.11 / 85
p0 −8918 ± 2830
100
50
0
−50
−100
pull
Entries 86
Mean 1.862
Std Dev 0
3
2
1
0
−1
−2

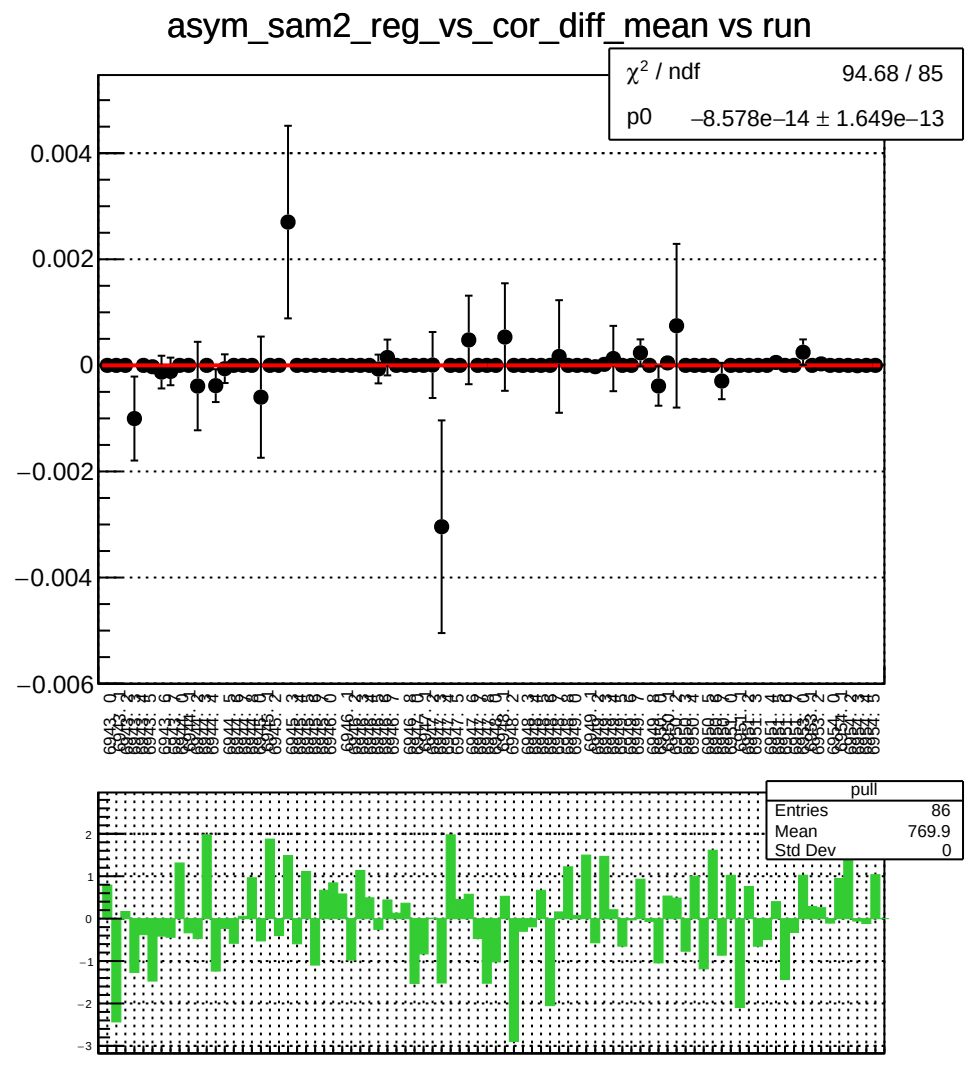

pull1D
Entries 86
Mean −0.01471
Std Dev 0.977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

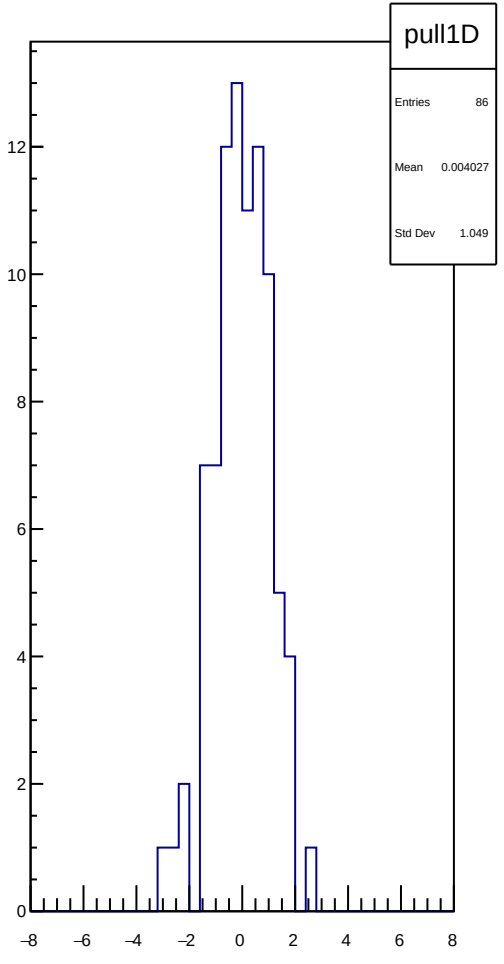

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 1.21e+04 / 85
p0 2566 ± 2.001
3000
2800
2600
2400
2200

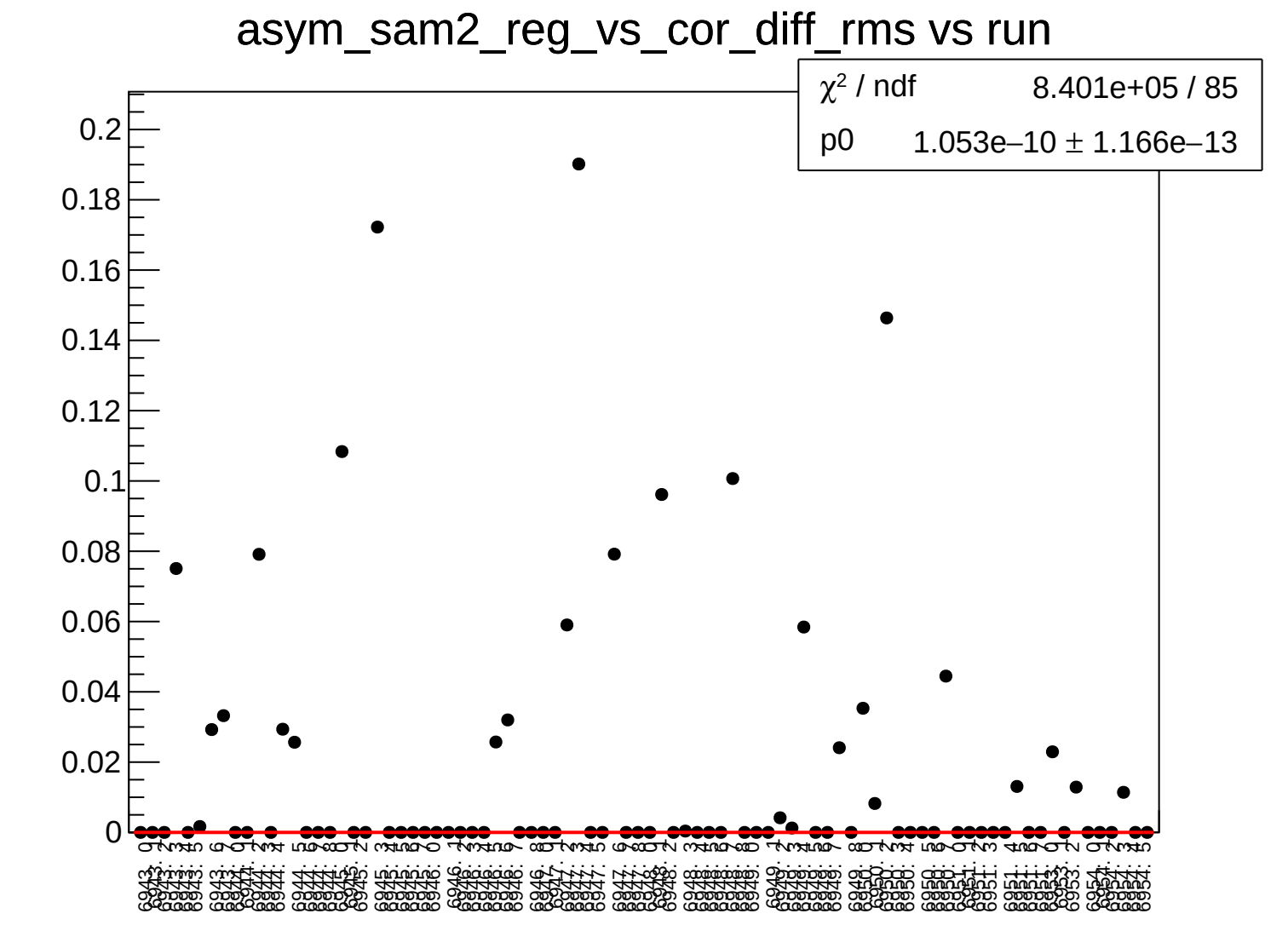

asym_sam2_mean vs run
×10^3
χ² / ndf 82.45 / 85
p0 8520 ± 2811
100
50
0
−50
−100
pull
Entries 86
Mean −4.741
Std Dev 0
2
1
0
−1
−2
−3

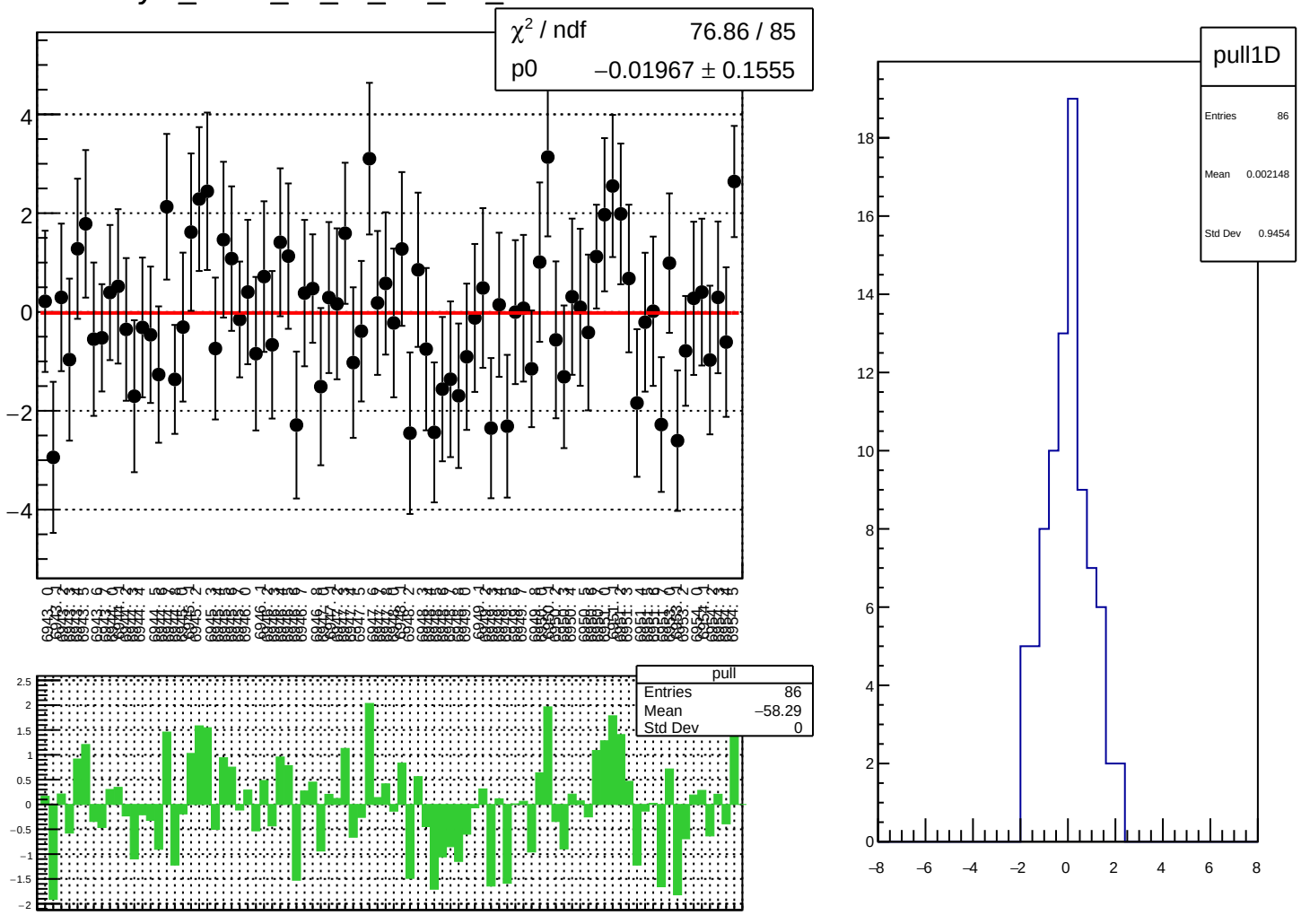

pull1D
Entries 86
Mean 0.01321
Std Dev 0.9791
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

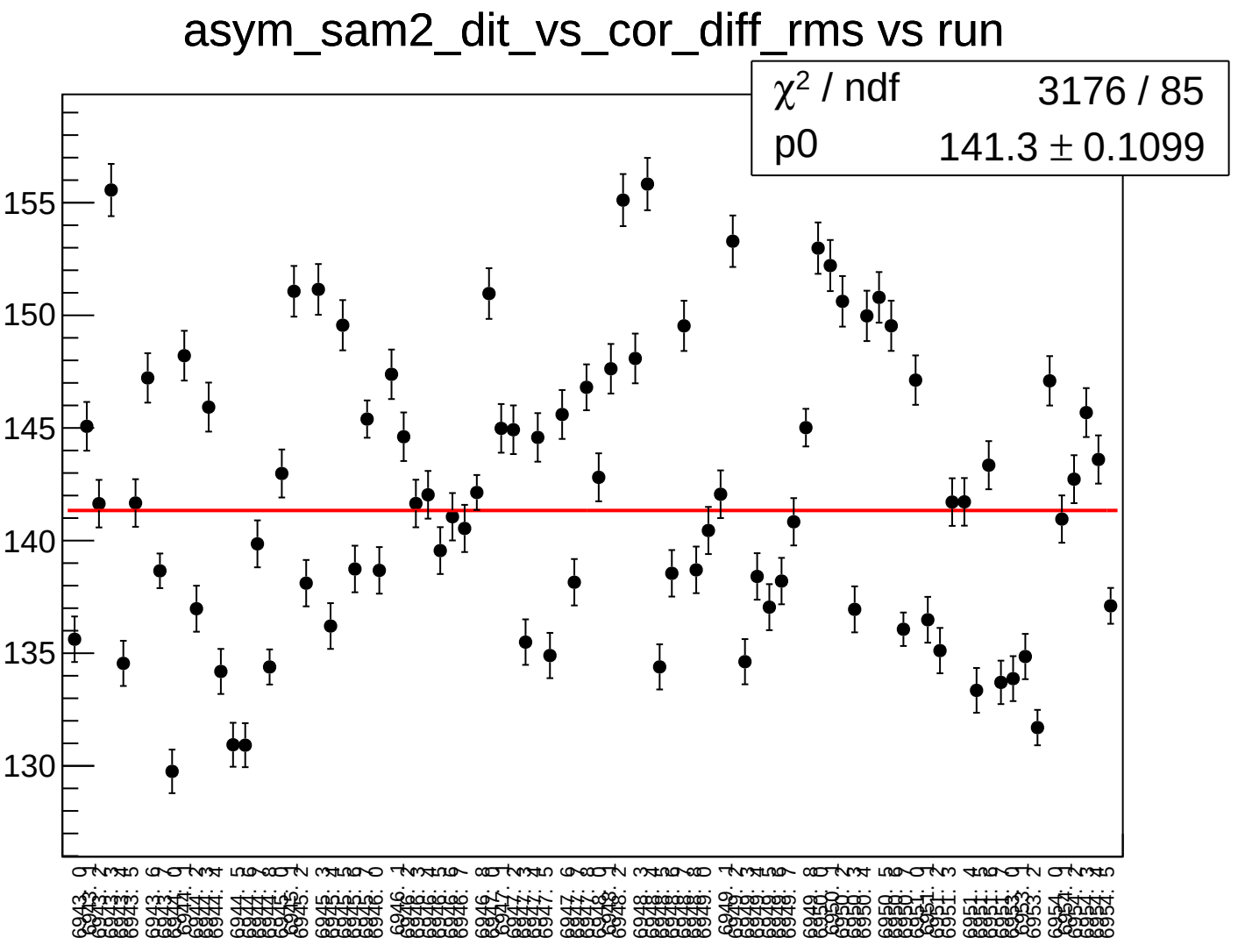

asym_sam2_rms vs run
χ² / ndf 1.274e+04 / 85
p0 2548 ± 1.988
3000
2800
2600
2400
2200

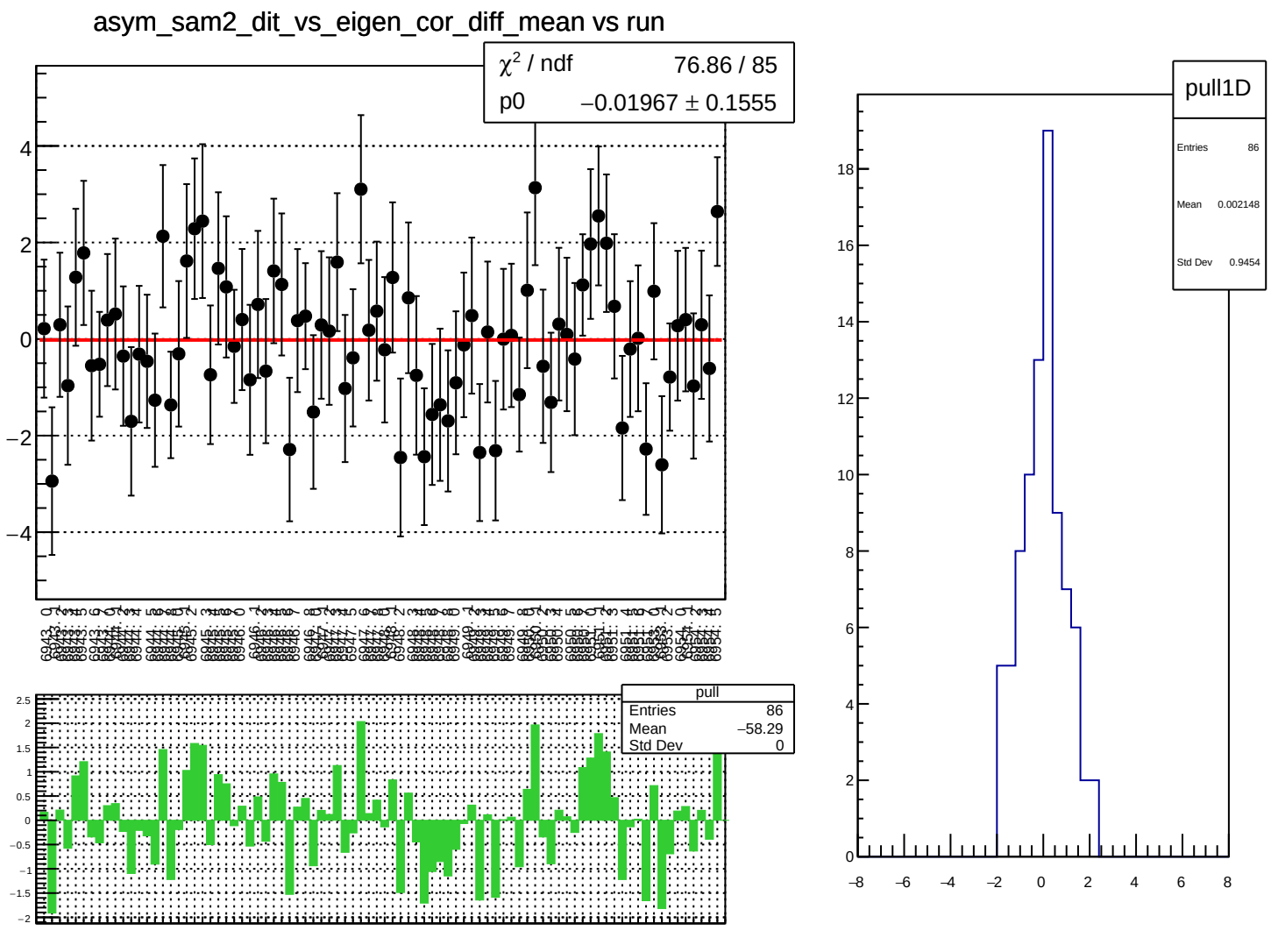

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 94.68 / 85
p0 −8.578e−14 ± 1.649e−13
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 86
Mean 769.9
Std Dev 0
2
1
0
−1
−2
−3

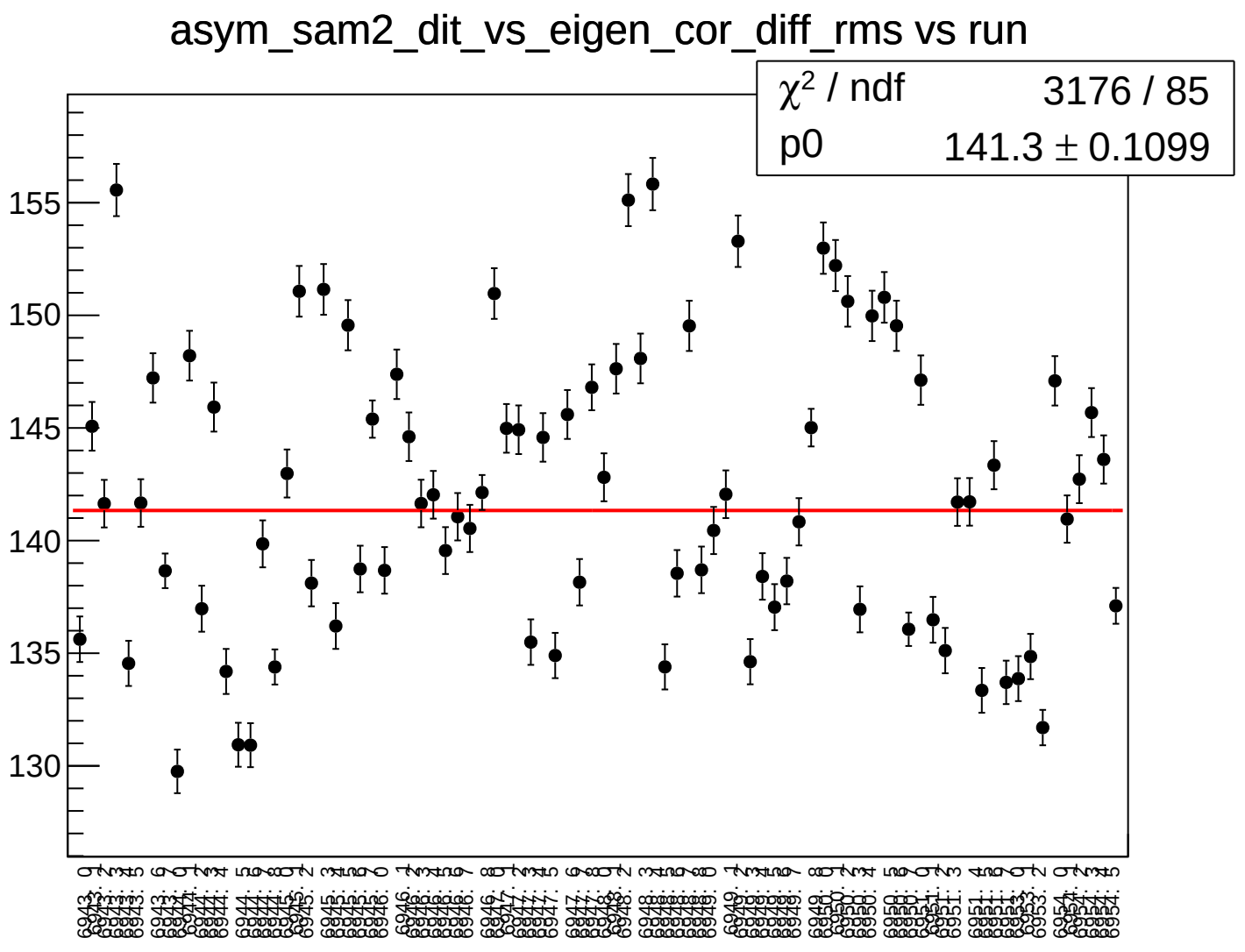

pull1D
Entries 86
Mean 0.004027
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

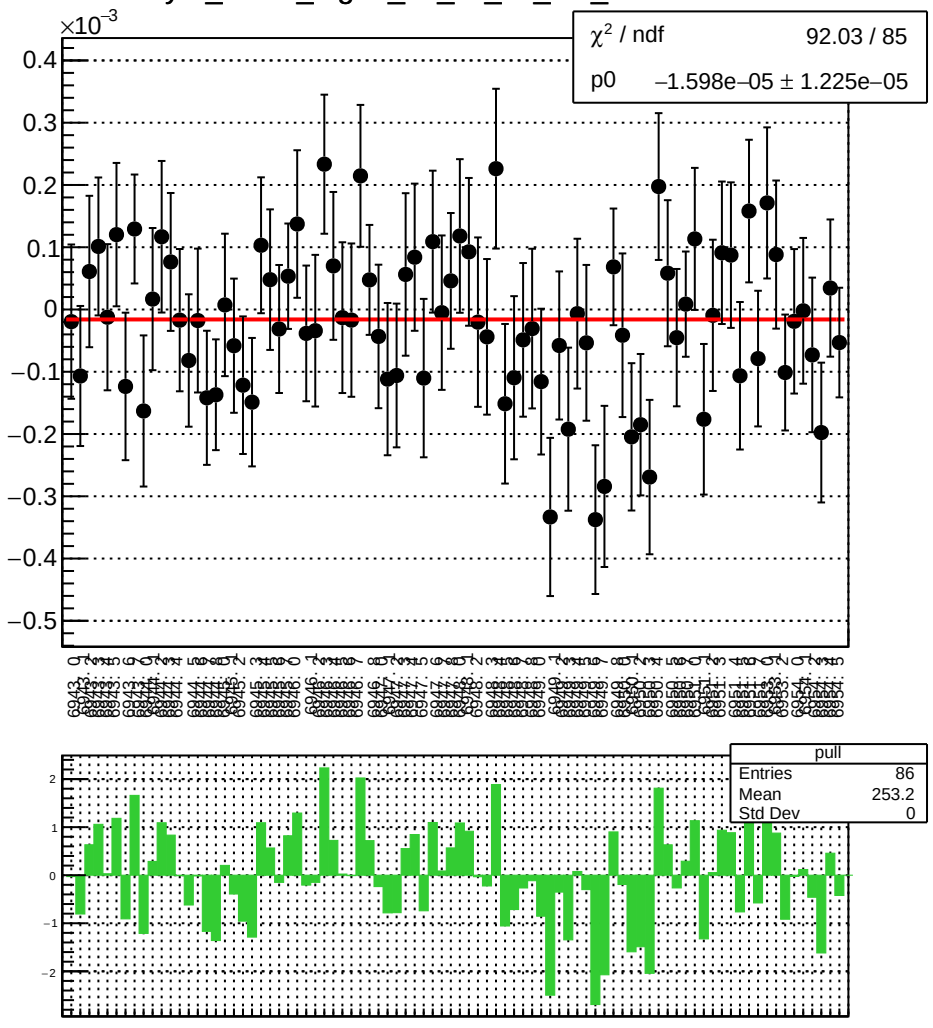

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.401e+05 / 85
p0 1.053e−10 ± 1.166e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

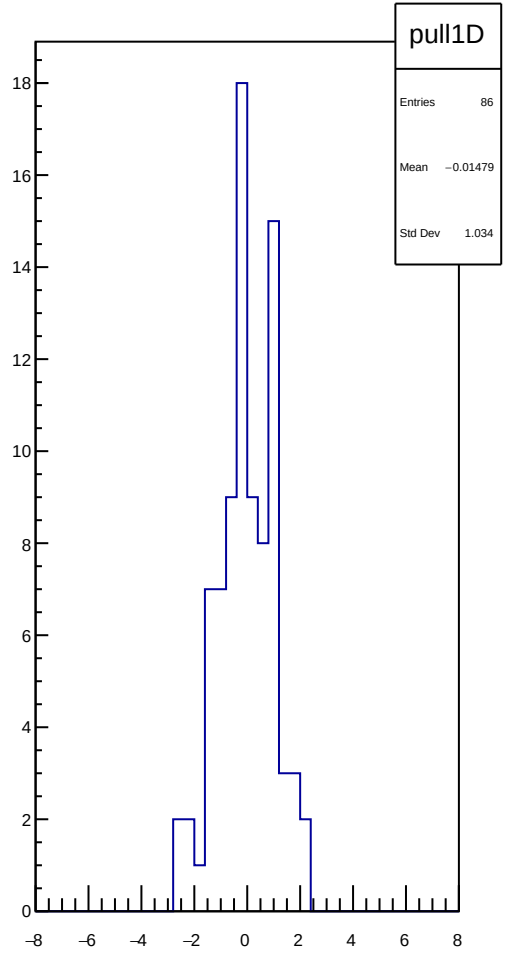

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 76.86 / 85
p0 −0.01967 ± 0.1555
pull
Entries 86
Mean −58.29
Std Dev 0
pull1D
Entries 86
Mean 0.002148
Std Dev 0.9454

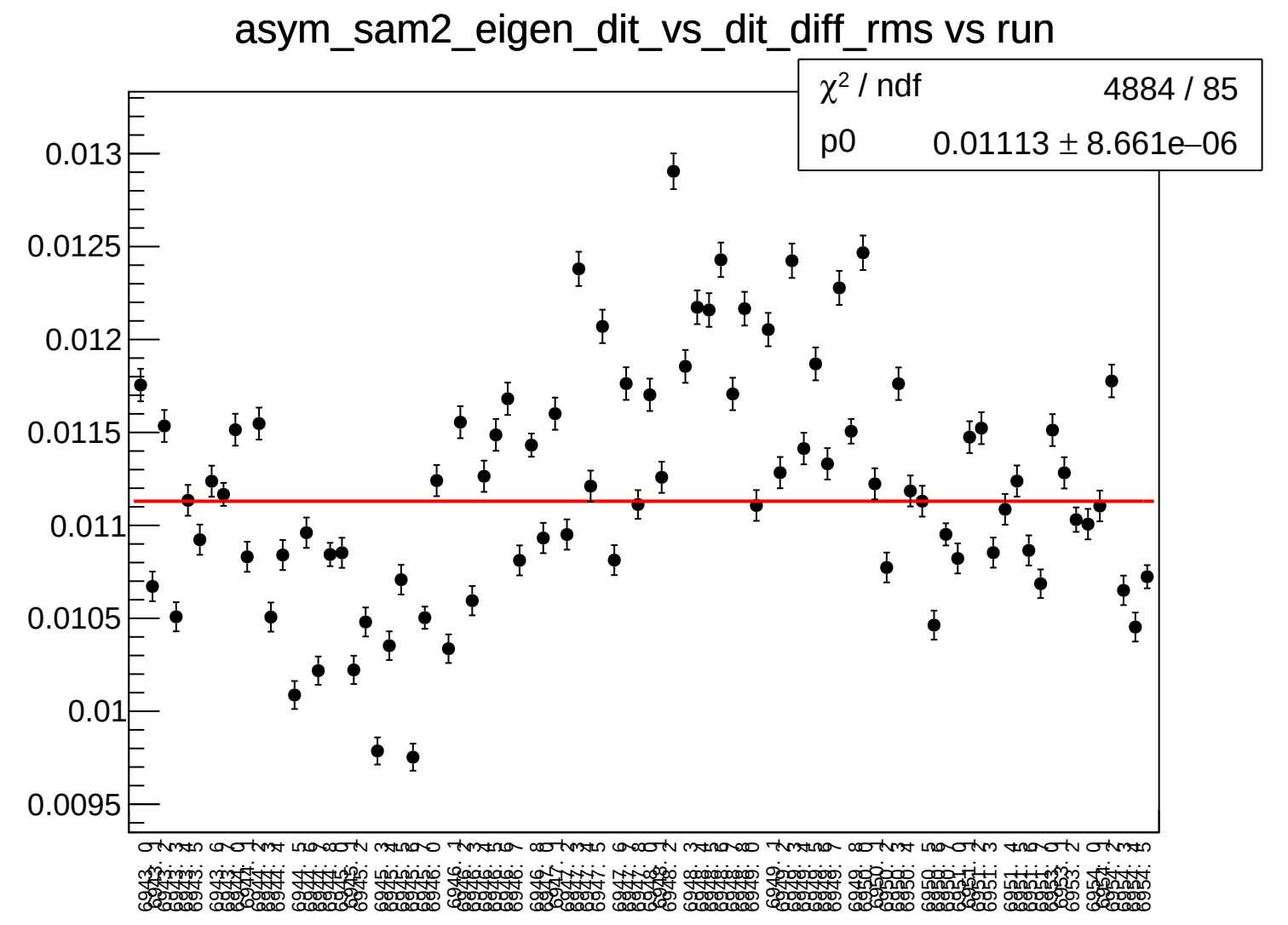

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 3176 / 85
p0 141.3 ± 0.1099
155
150
145
140
135
130

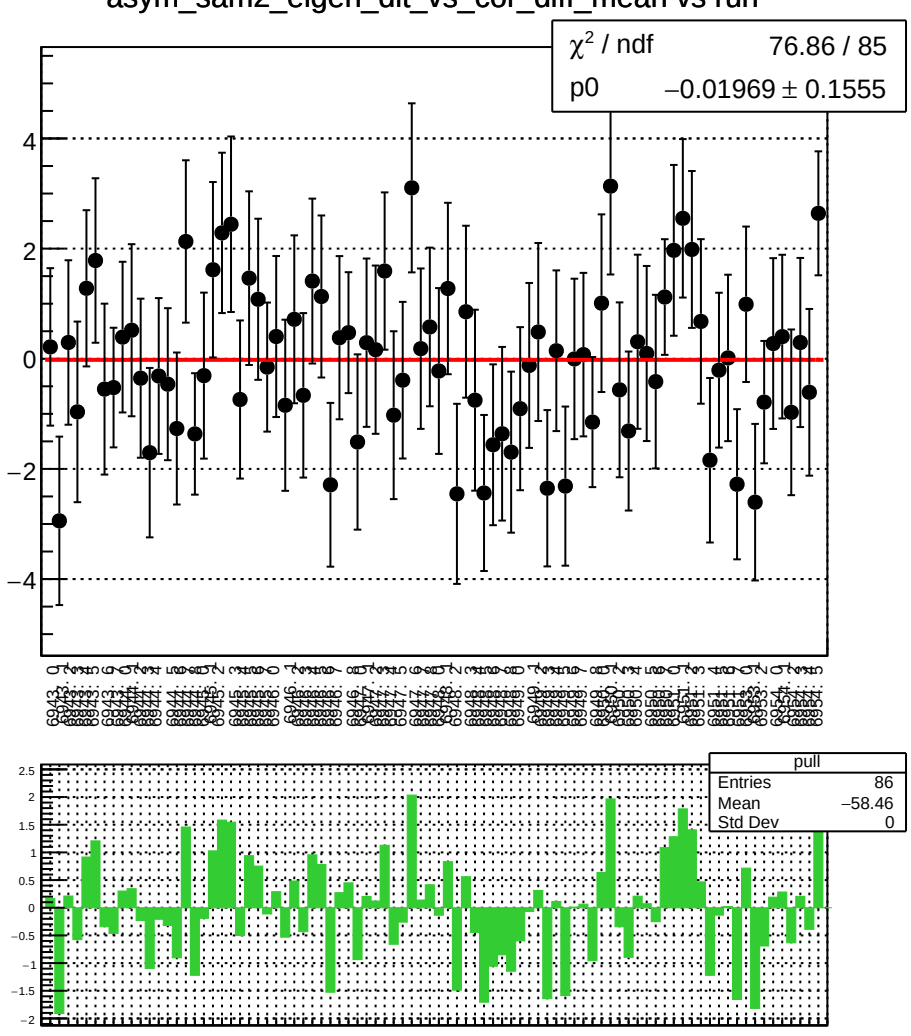

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.86 / 85
p0 −0.01967 ± 0.1555
pull
Entries 86
Mean −58.29
Std Dev 0
pull1D
Entries 86
Mean 0.002148
Std Dev 0.9454

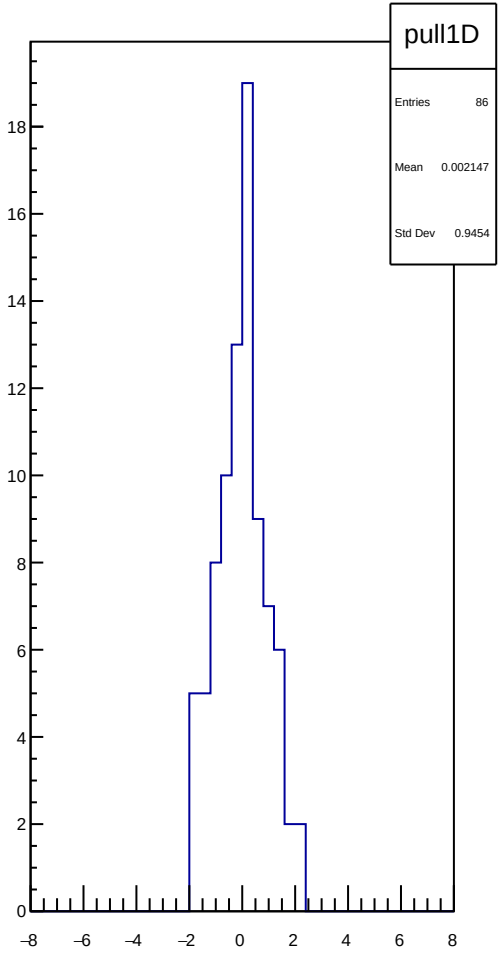

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3176 / 85
p0 141.3 ± 0.1099
155
150
145
140
135
130

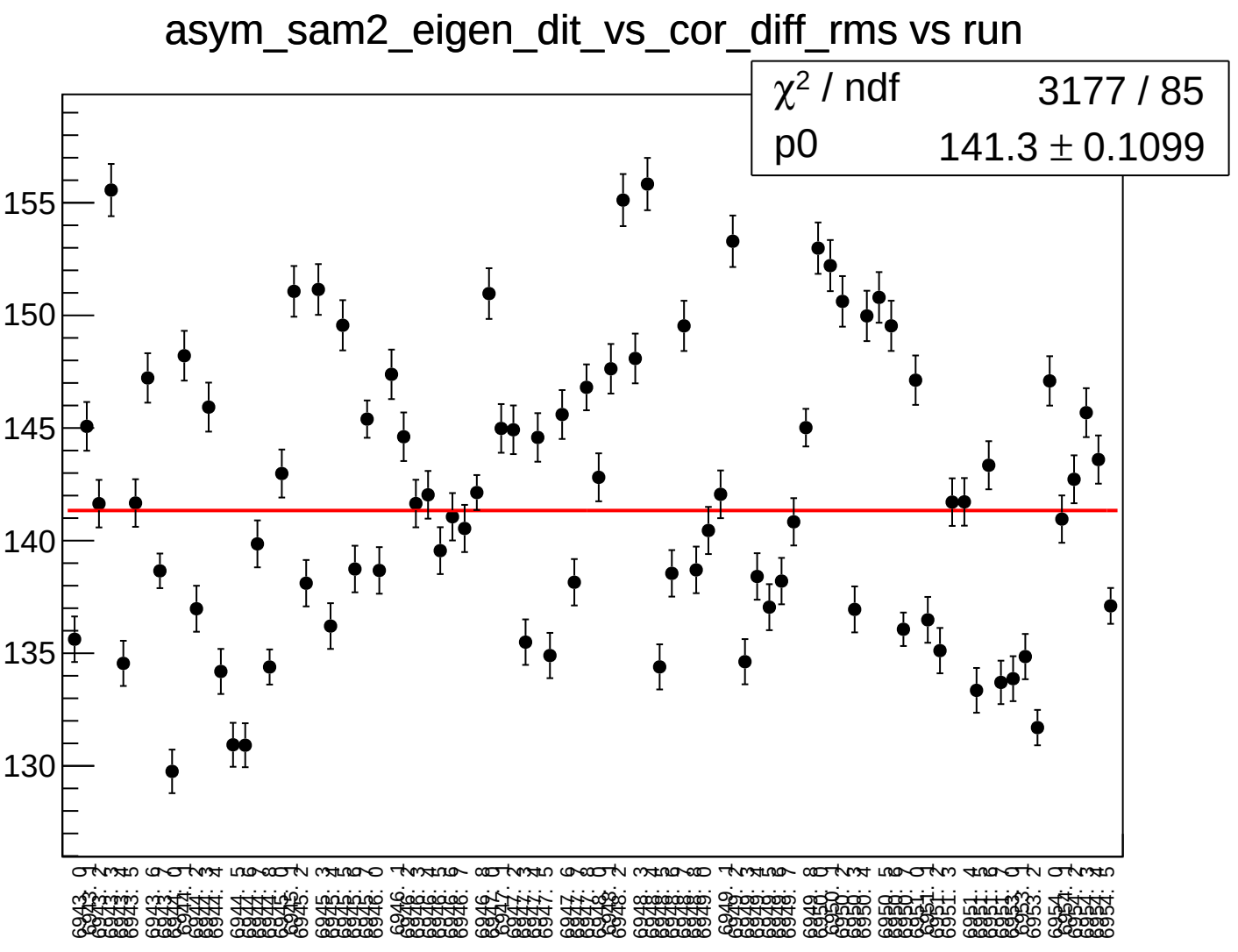

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.03 / 85
p0 −1.598e−05 ± 1.225e−05
pull
Entries 86
Mean 253.2
Std Dev 0

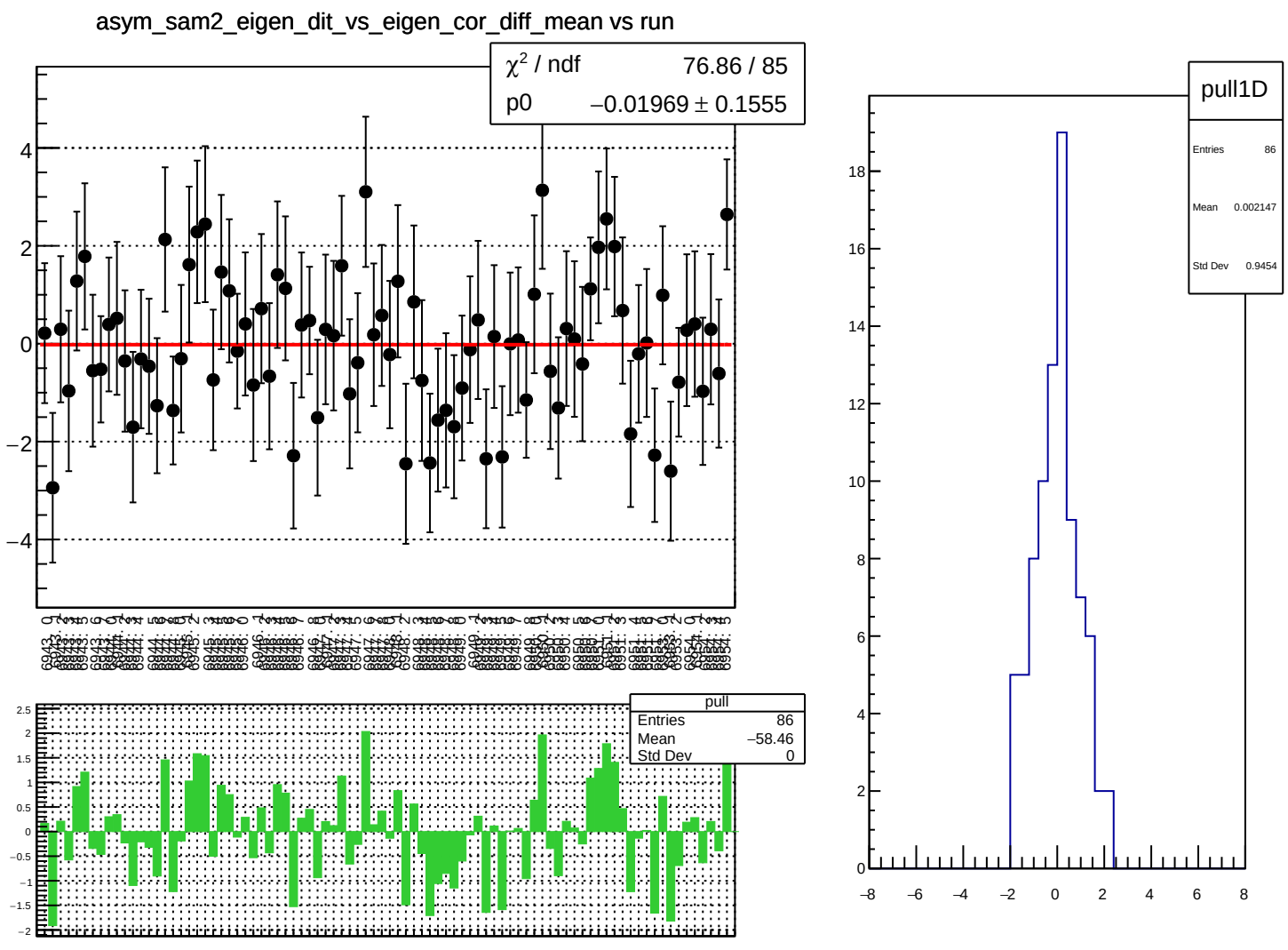

pull1D
Entries 86
Mean −0.01479
Std Dev 1.034

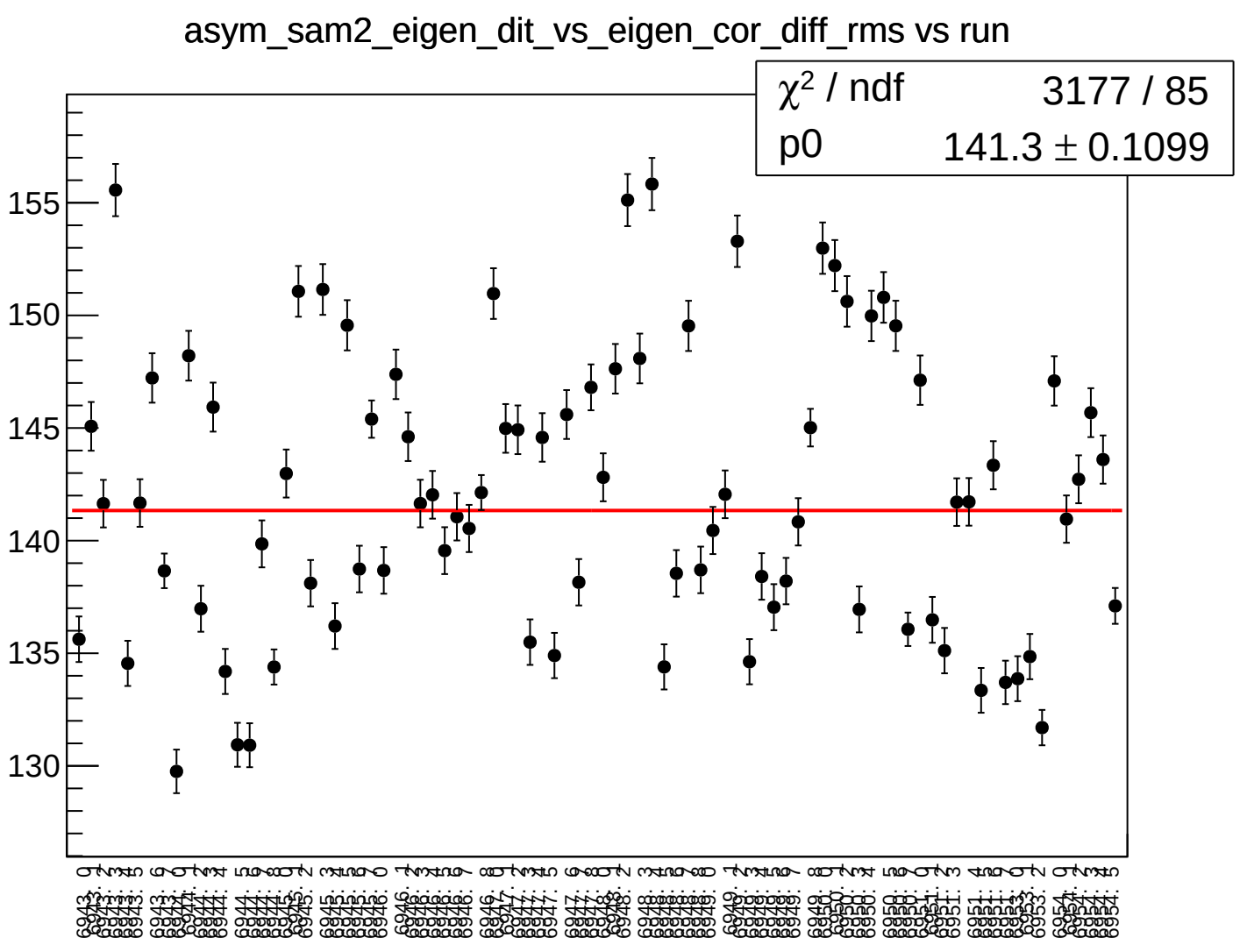

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4884 / 85
p0 0.01113 ± 8.661e−06
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

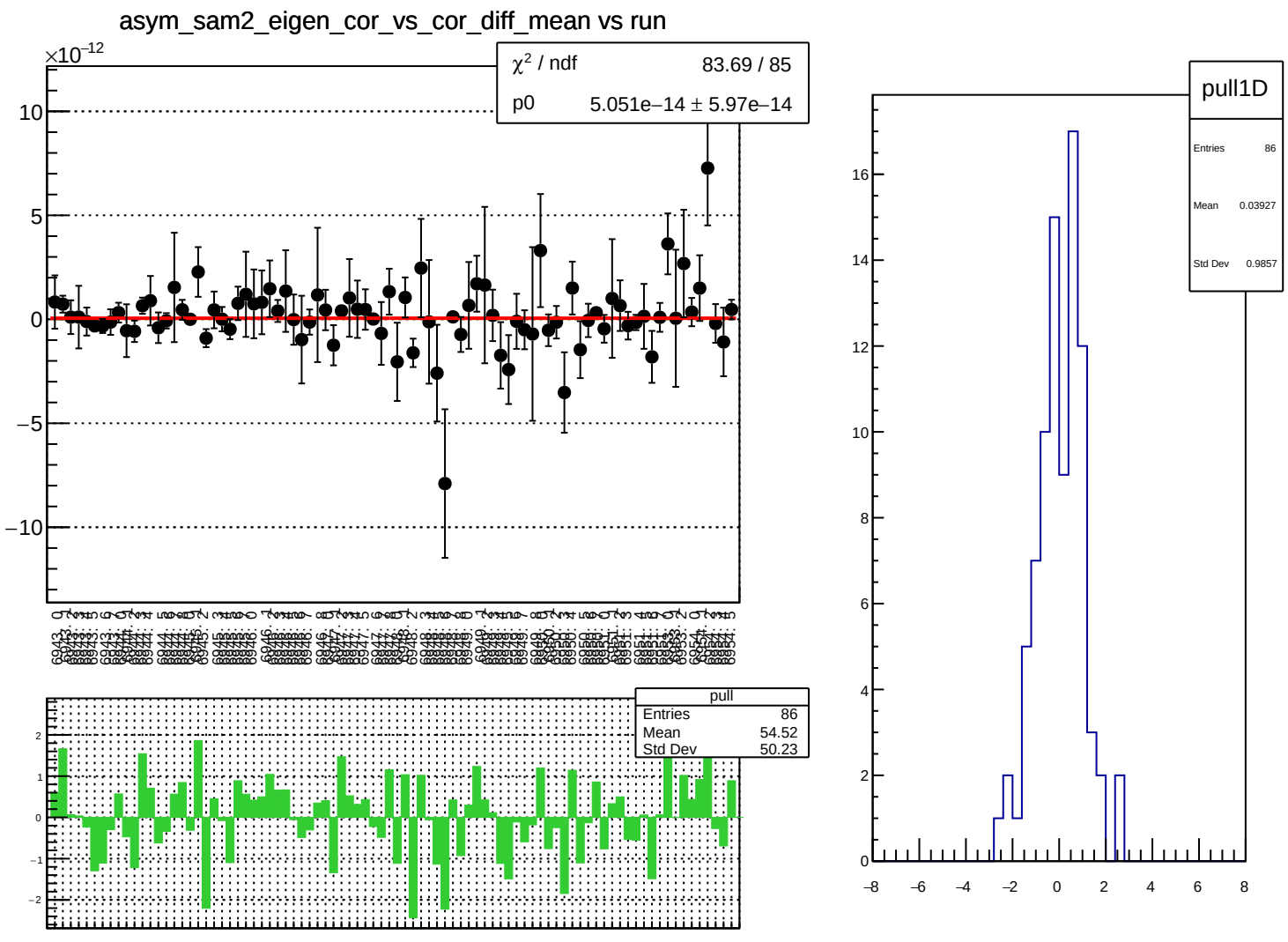

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.86 / 85
p0 −0.01969 ± 0.1555
pull
Entries 86
Mean −58.46
Std Dev 0

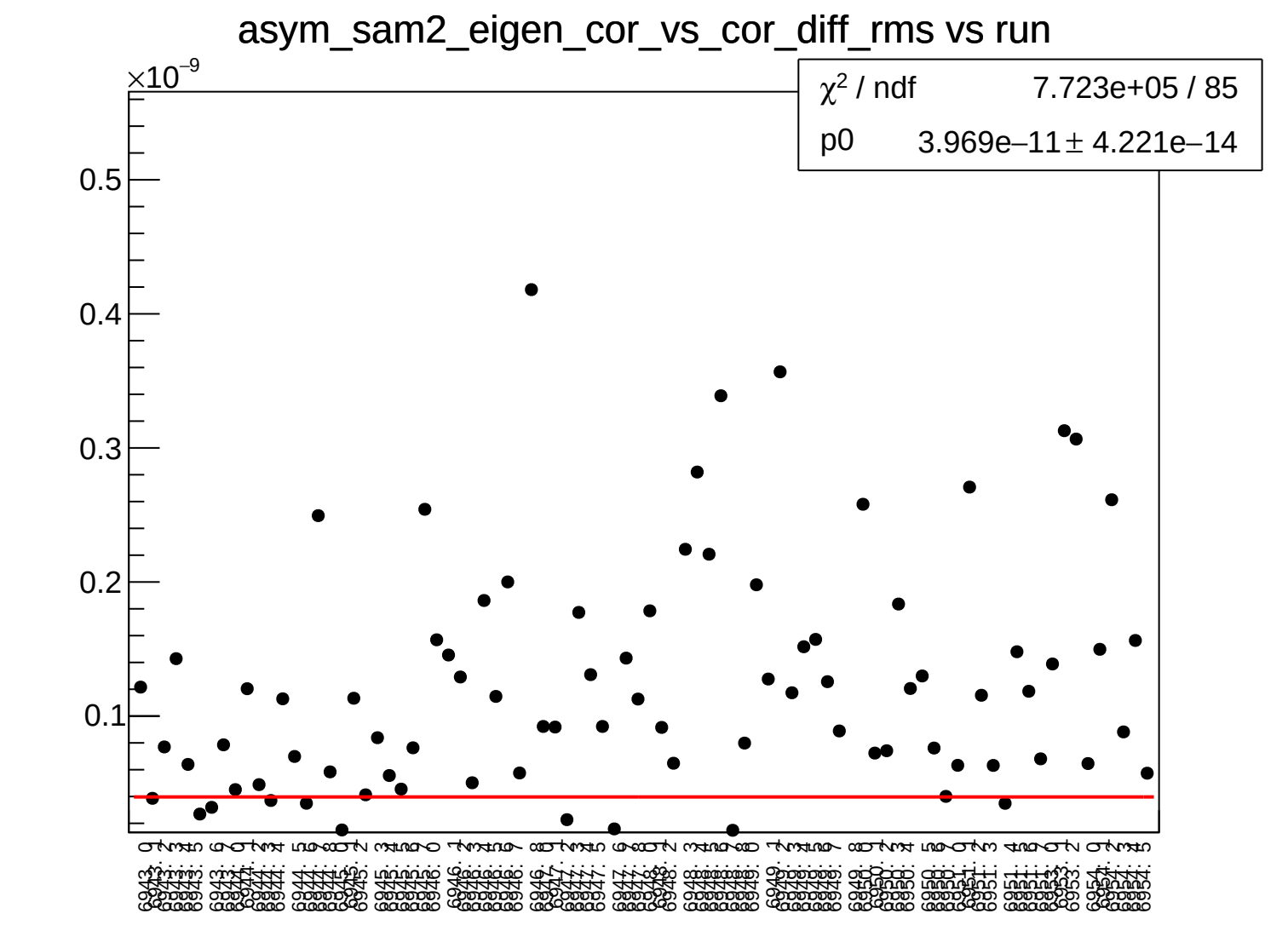

pull1D
Entries 86
Mean 0.002147
Std Dev 0.9454

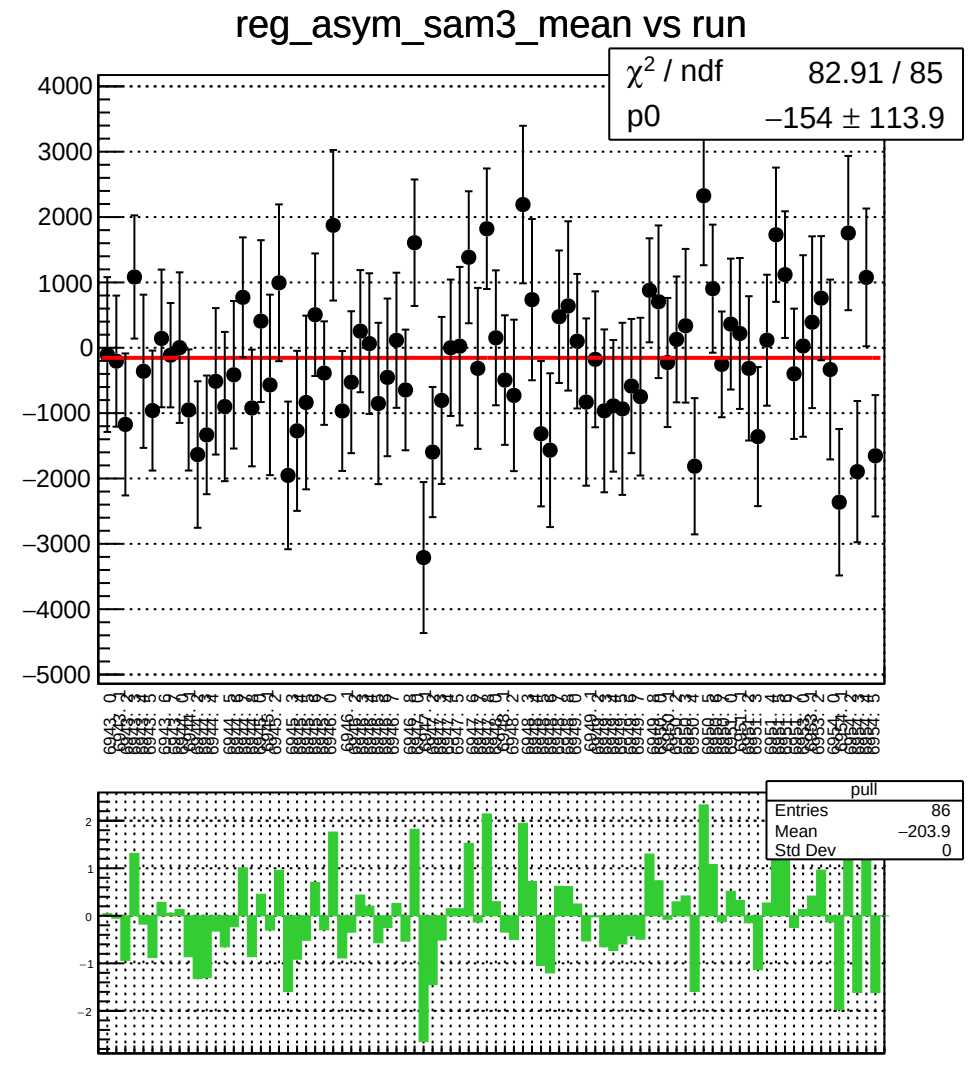

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3177 / 85
p0 141.3 ± 0.1099
155
150
145
140
135
130

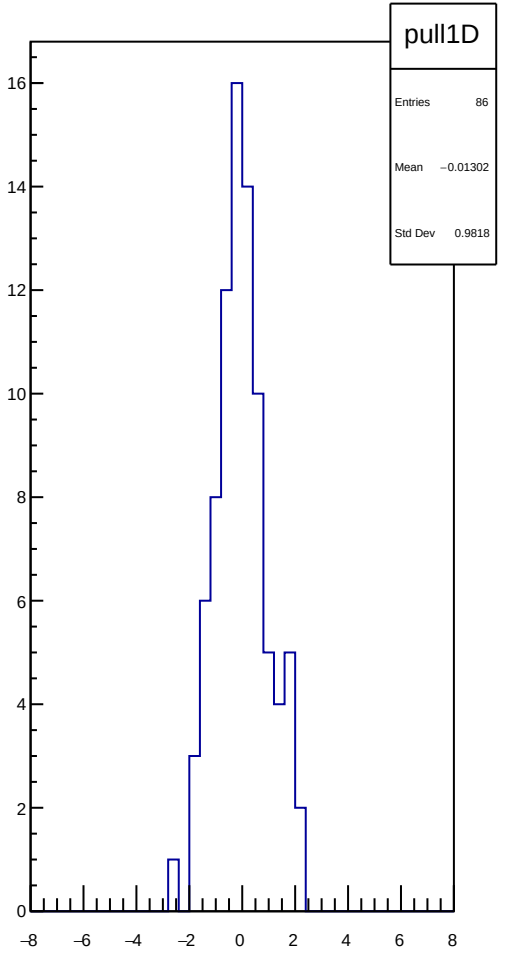

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.86 / 85
p0 −0.01969 ± 0.1555
pull
Entries 86
Mean −58.46
Std Dev 0
pull1D
Entries 86
Mean 0.002147
Std Dev 0.9454

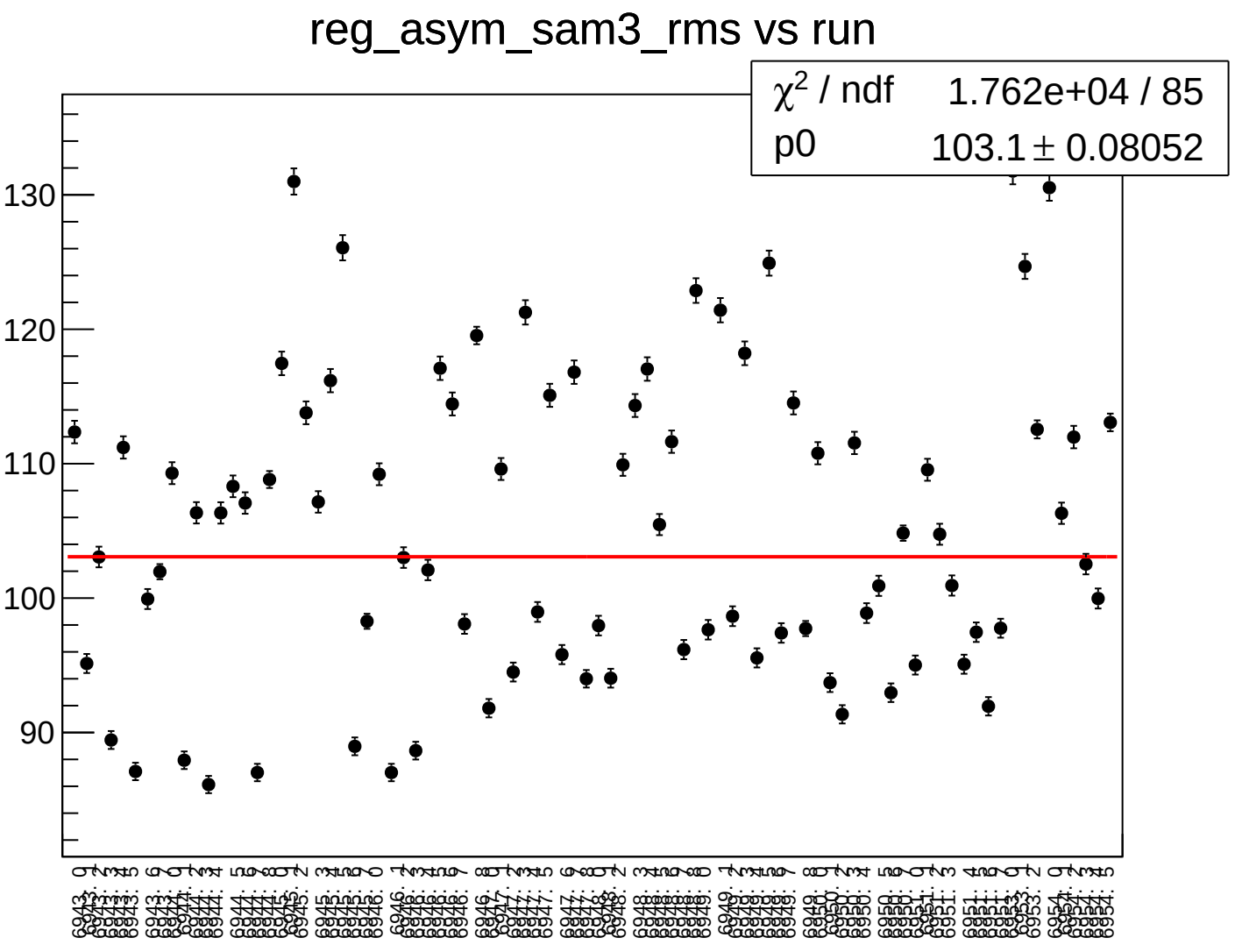

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3177 / 85
p0 141.3 ± 0.1099
155
150
145
140
135
130

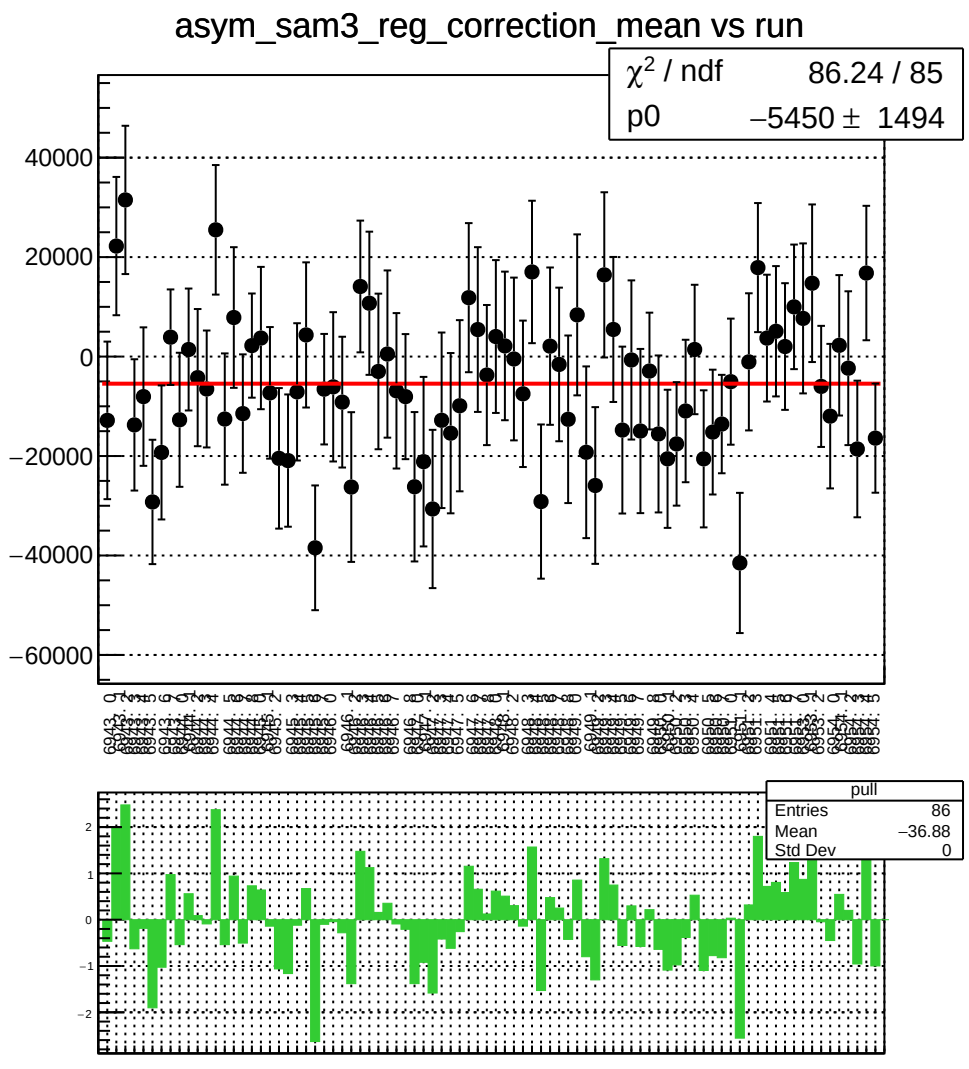

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.69 / 85
p0 5.051e−14 ± 5.97e−14
pull
Entries 86
Mean 54.52
Std Dev 50.23
pull1D
Entries 86
Mean 0.03927
Std Dev 0.9857

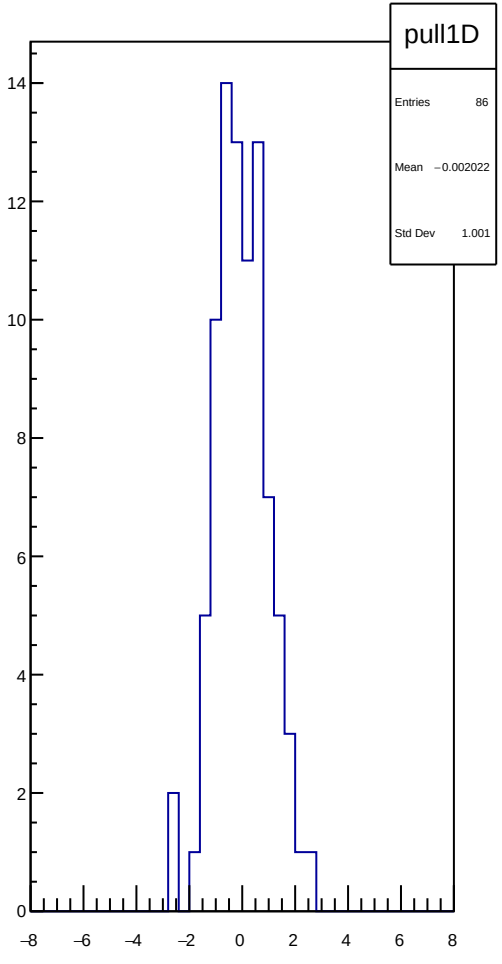

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.723e+05 / 85
p0 3.969e−11 ± 4.221e−14
0.5
0.4
0.3
0.2
0.1

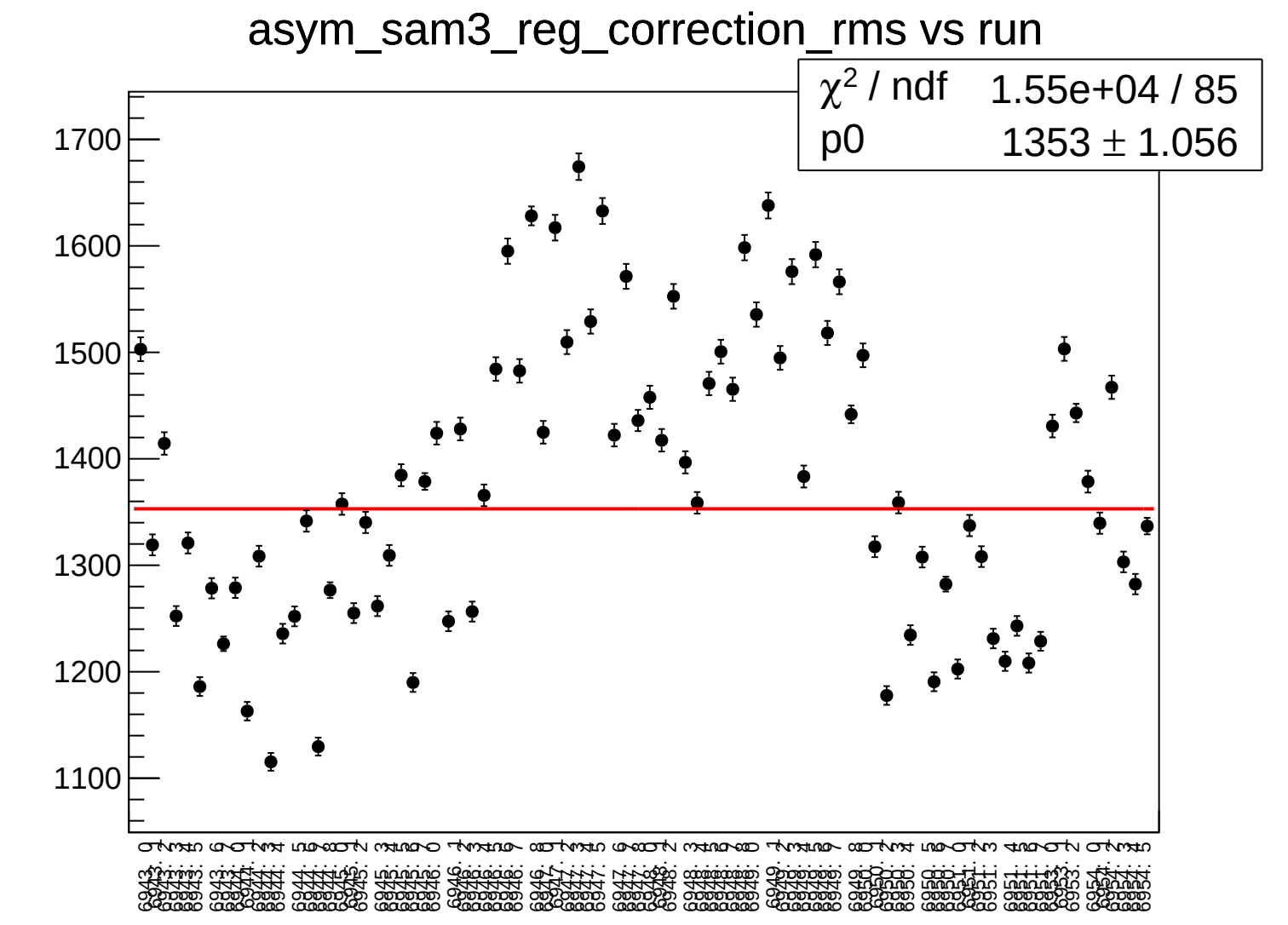

reg_asym_sam3_mean vs run
χ² / ndf 82.91 / 85
p0 −154 ± 113.9
pull
Entries 86
Mean −203.9
Std Dev 0

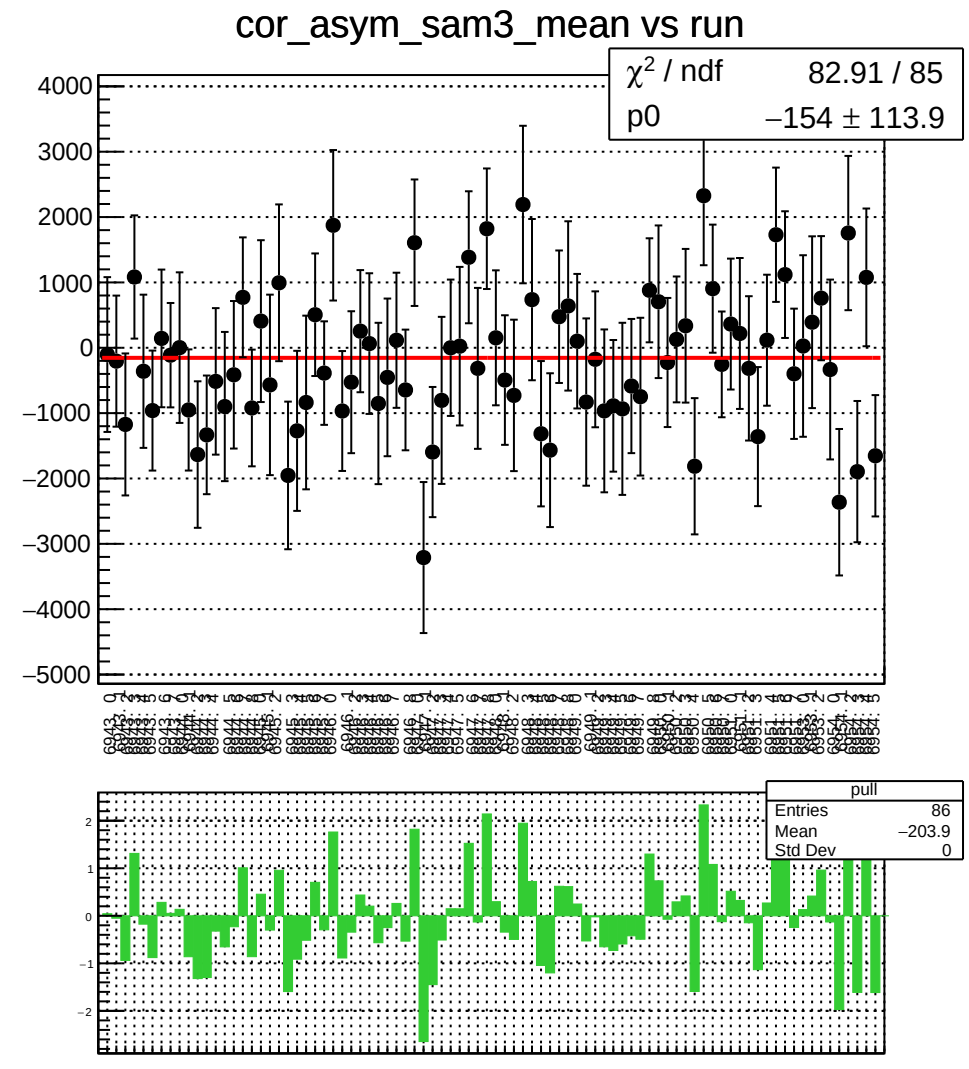

pull1D
Entries 86
Mean −0.01302
Std Dev 0.9818

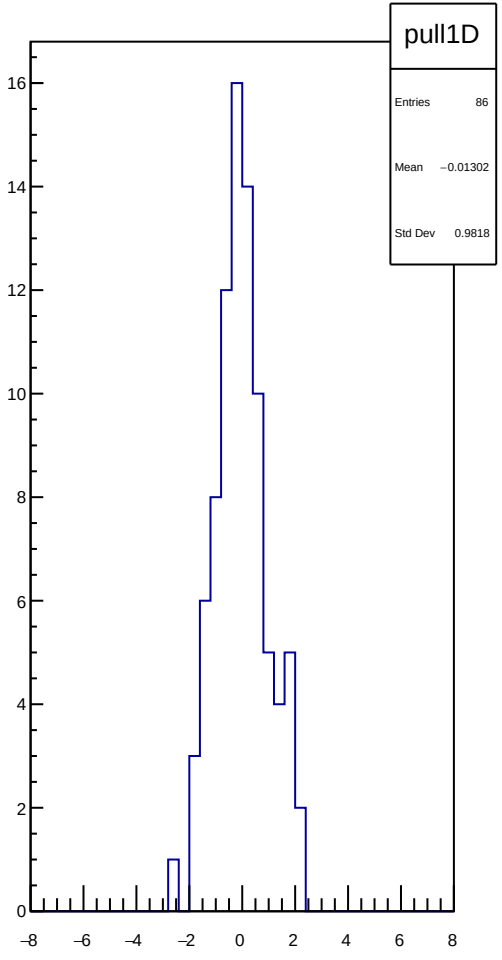

reg_asym_sam3_rms vs run
χ^2 / ndf 1.762e+04 / 85
p0 103.1 ± 0.08052
130
120
110
100
90

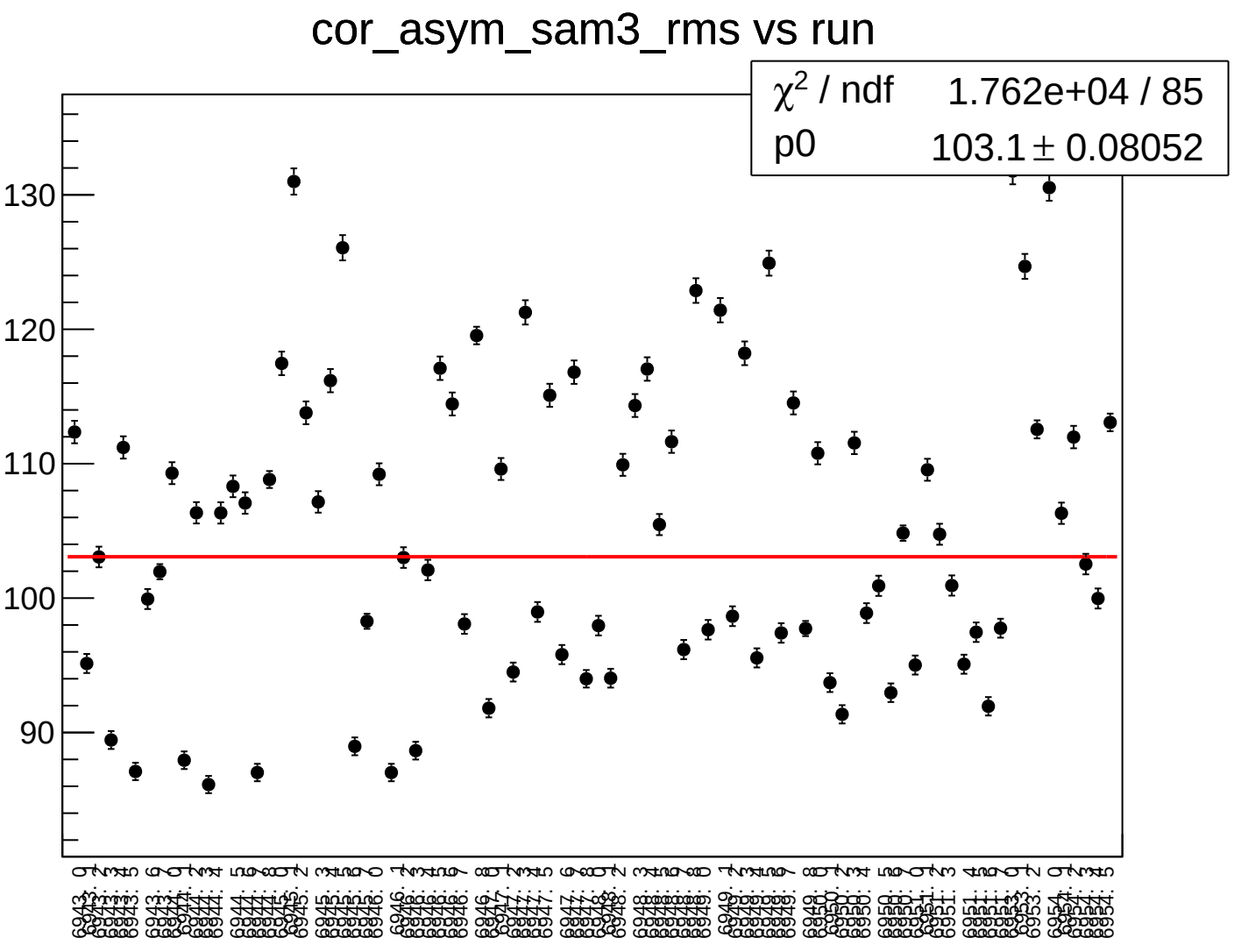

asym_sam3_reg_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −5450 ± 1494
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −36.88
Std Dev 0
2
1
0
−1
−2

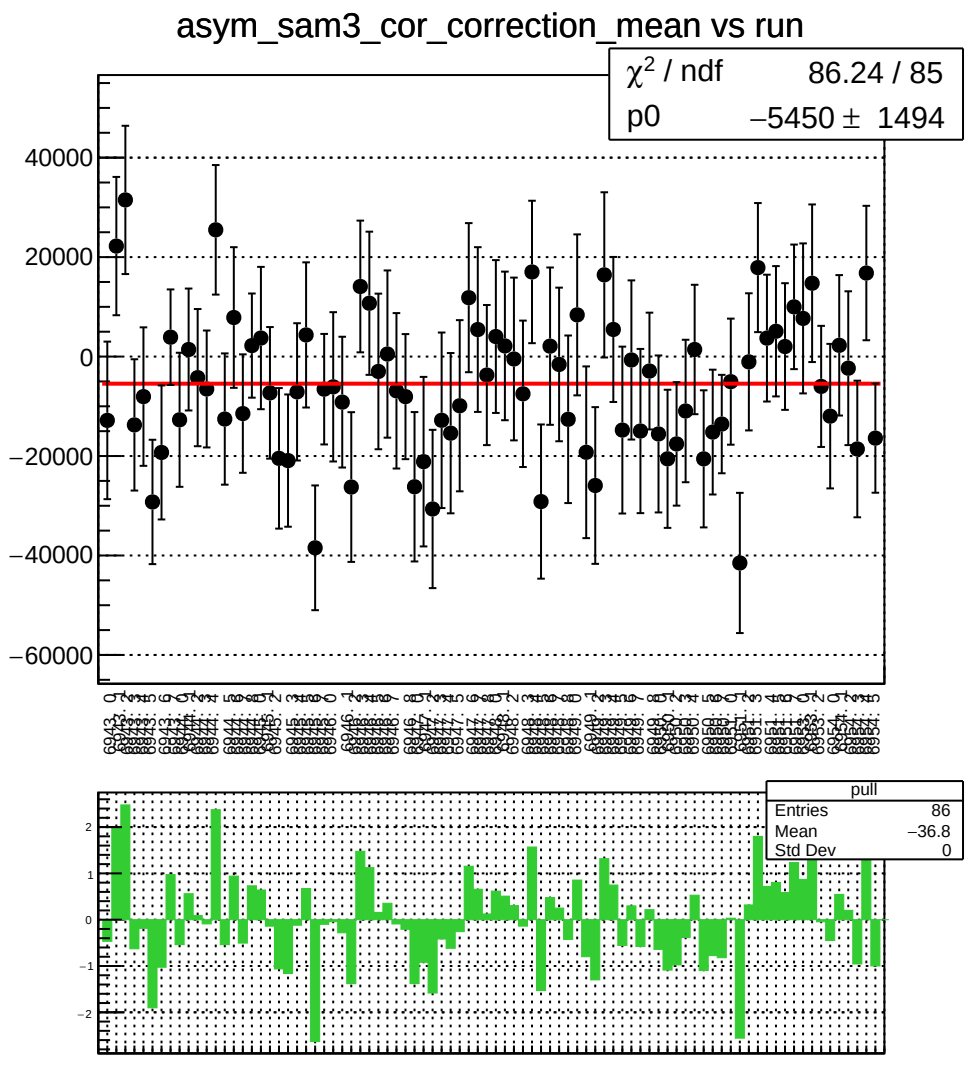

pull1D
Entries 86
Mean −0.002022
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

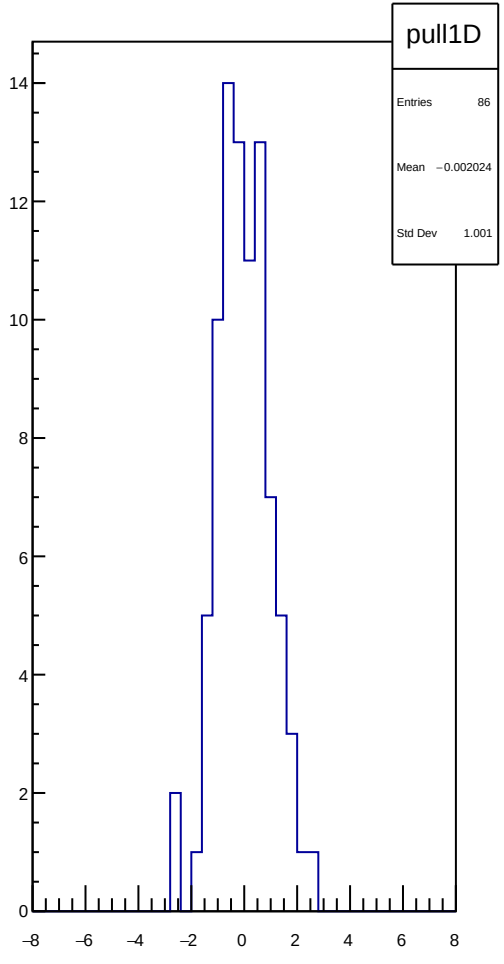

asym_sam3_reg_correction_rms vs run
χ² / ndf 1.55e+04 / 85
p0 1353 ± 1.056
1700
1600
1500
1400
1300
1200
1100

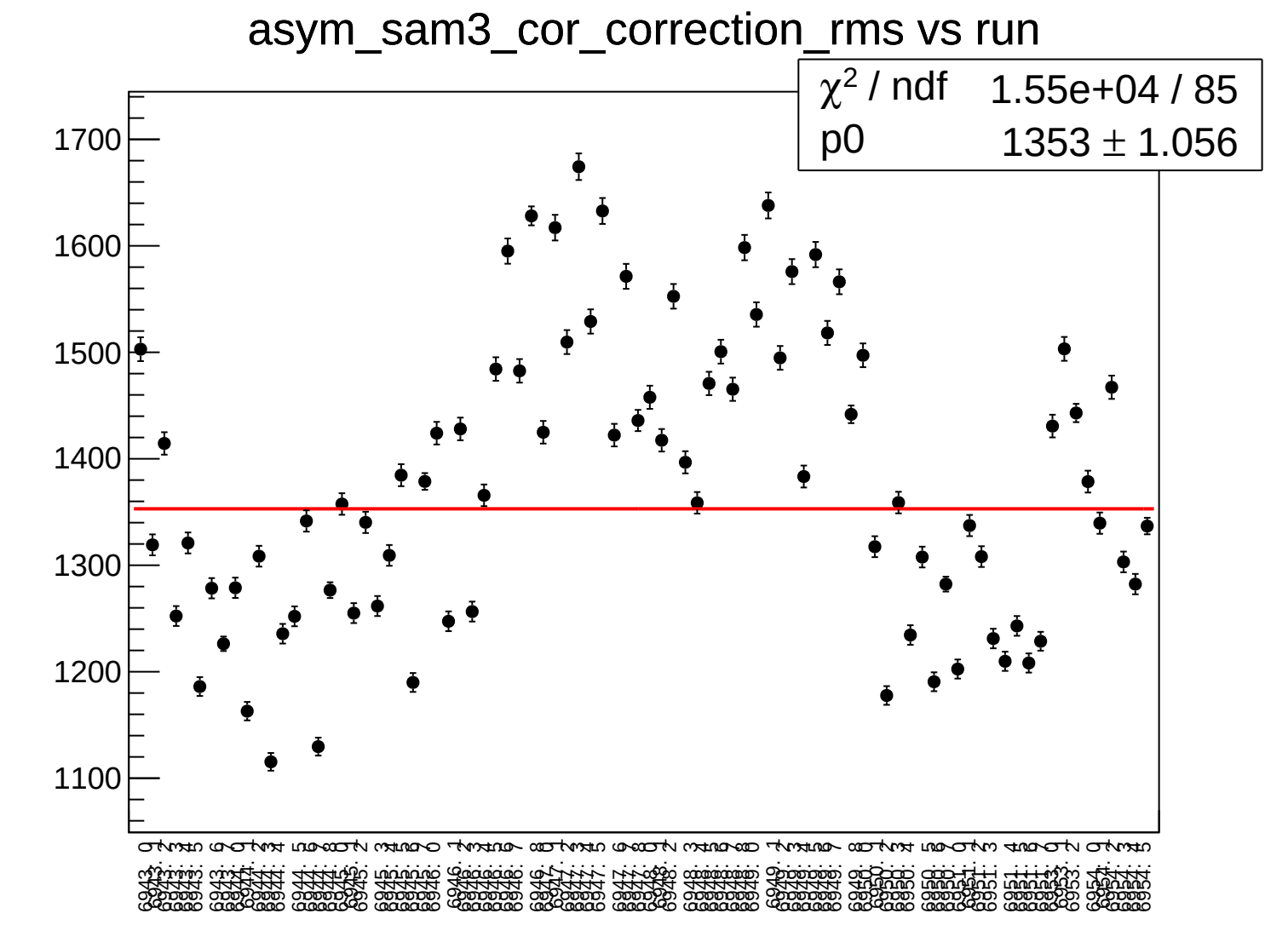

cor_asym_sam3_mean vs run
χ² / ndf 82.91 / 85
p0 −154 ± 113.9
pull
Entries 86
Mean −203.9
Std Dev 0

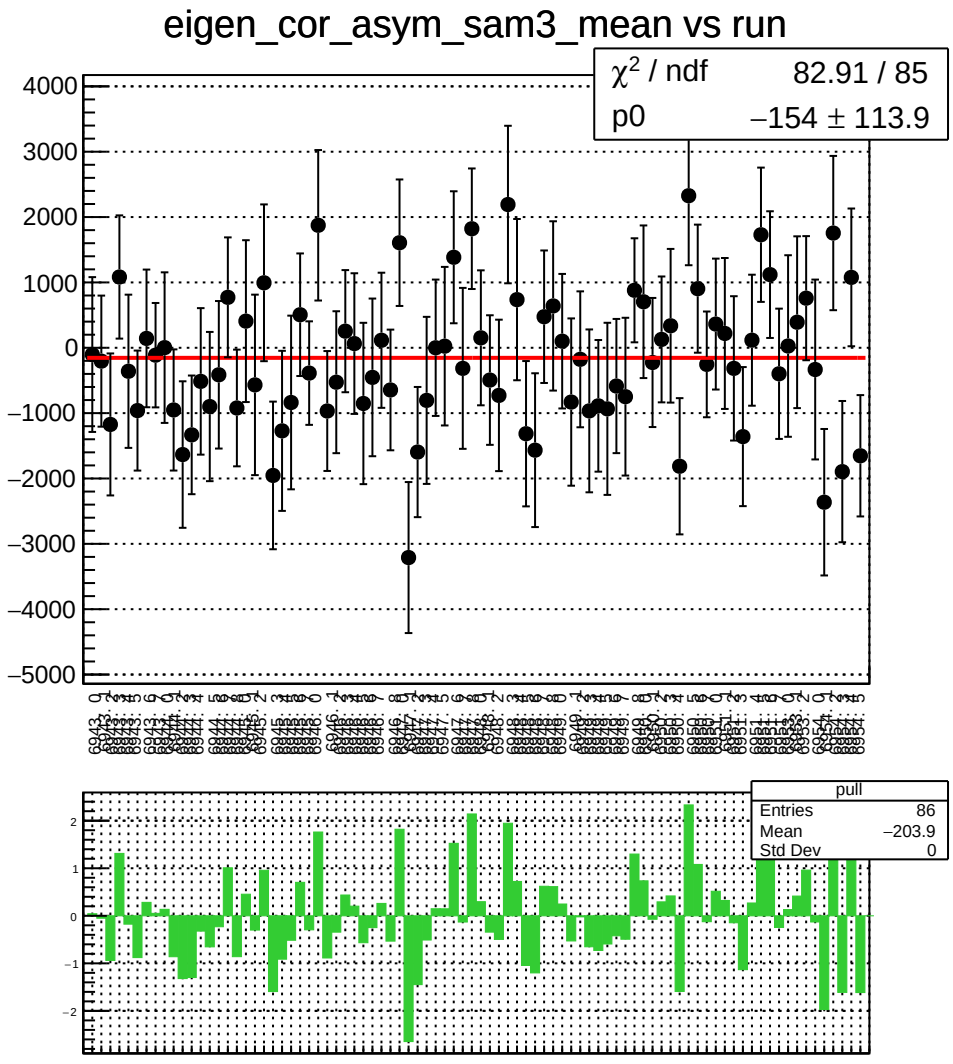

pull1D
Entries 86
Mean −0.01302
Std Dev 0.9818

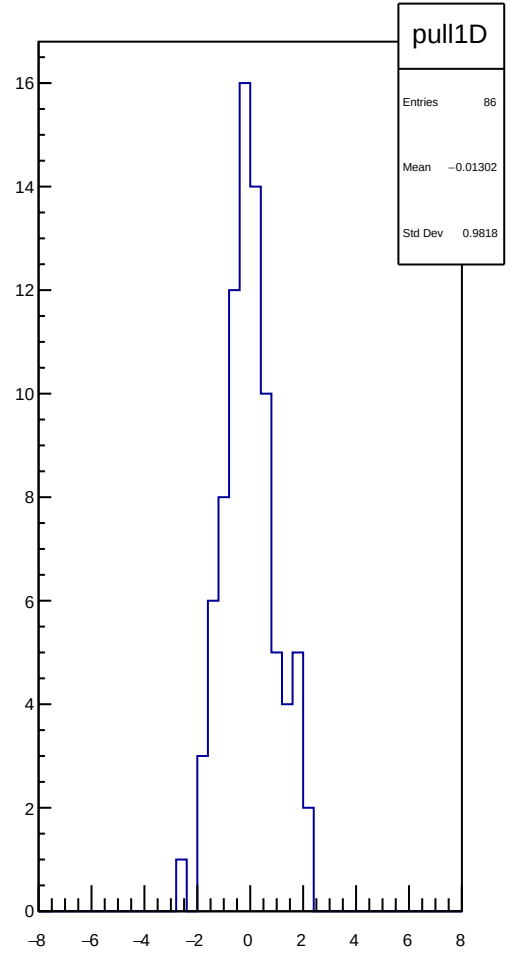

cor_asym_sam3_rms vs run
χ^2 / ndf 1.762e+04 / 85
p0 103.1 ± 0.08052
130
120
110
100
90

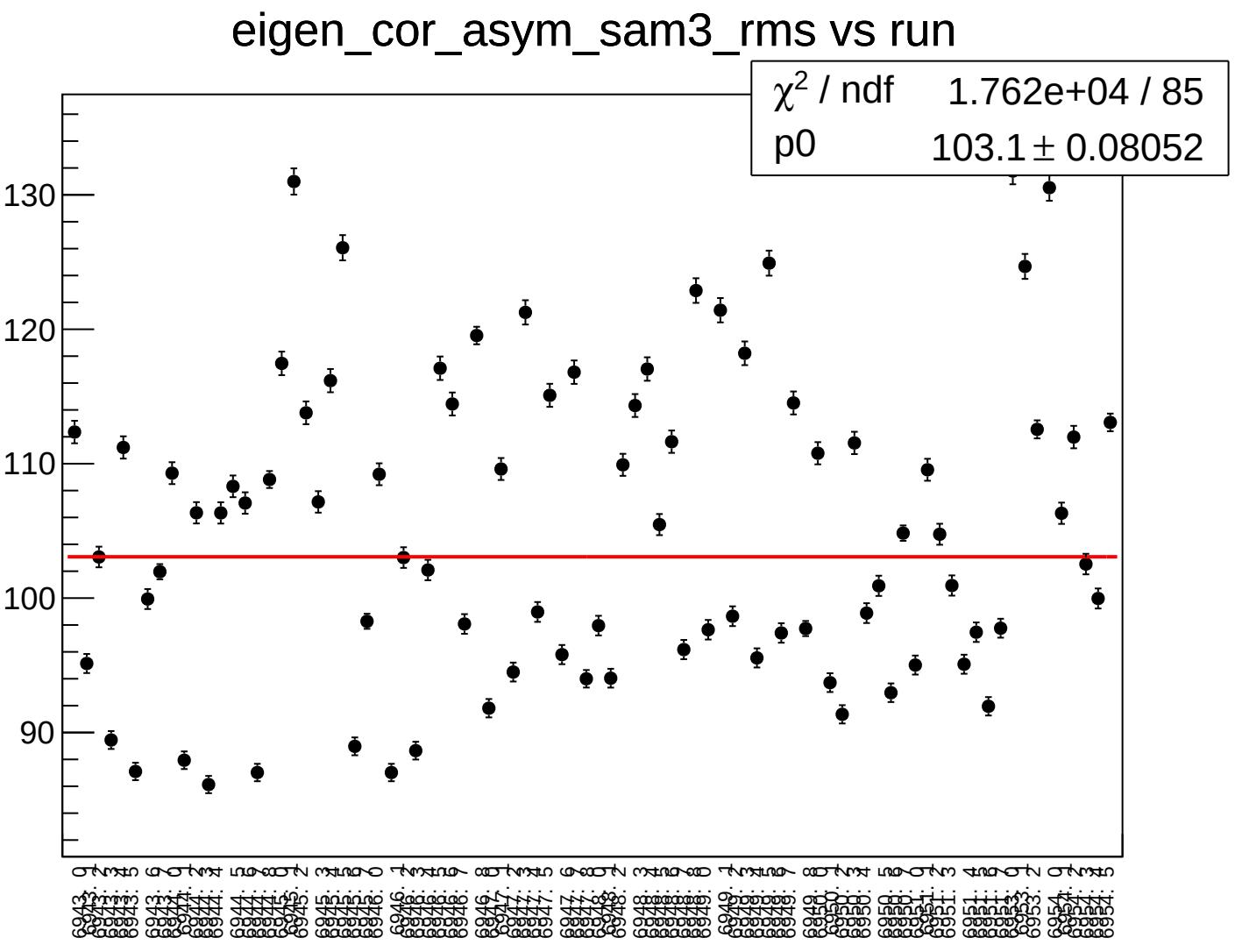

asym_sam3_cor_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −5450 ± 1494
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −36.8
Std Dev 0
2
1
0
−1
−2

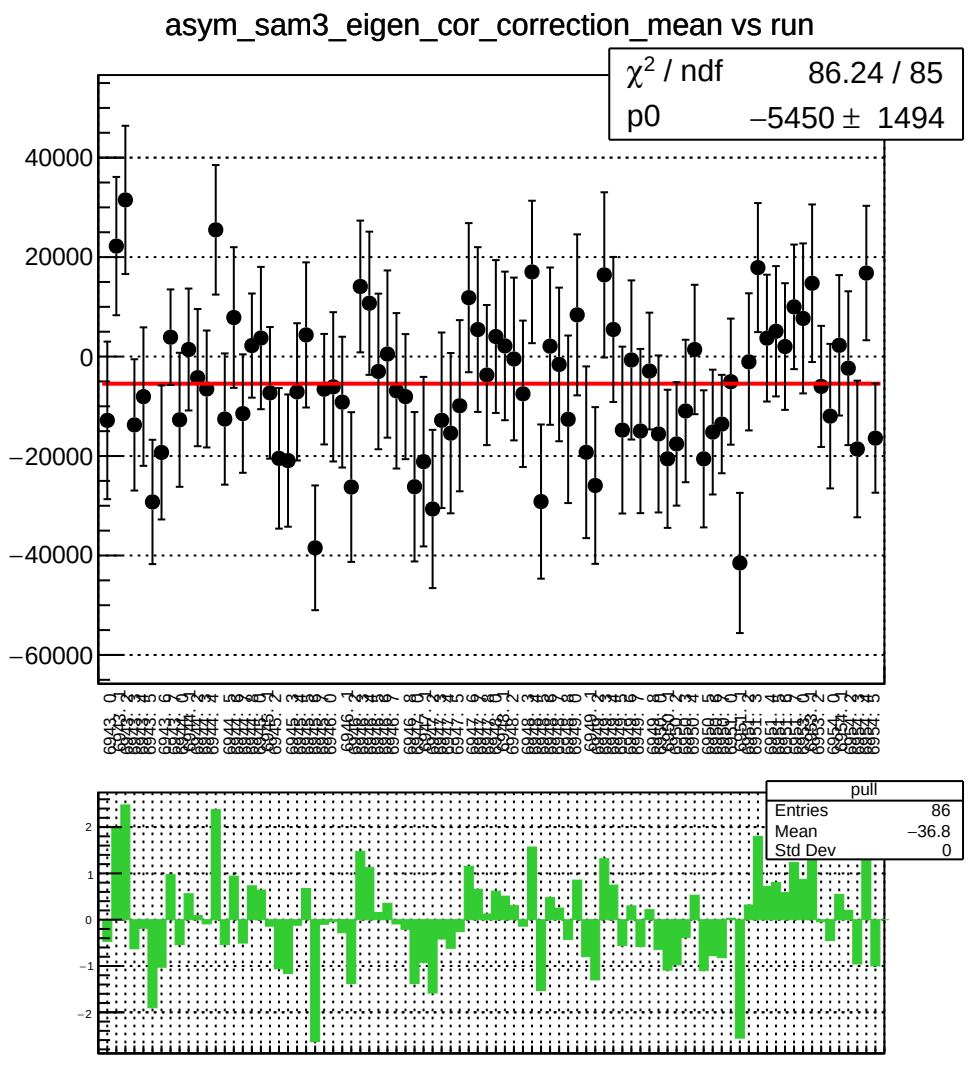

pull1D
Entries 86
Mean −0.002024
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

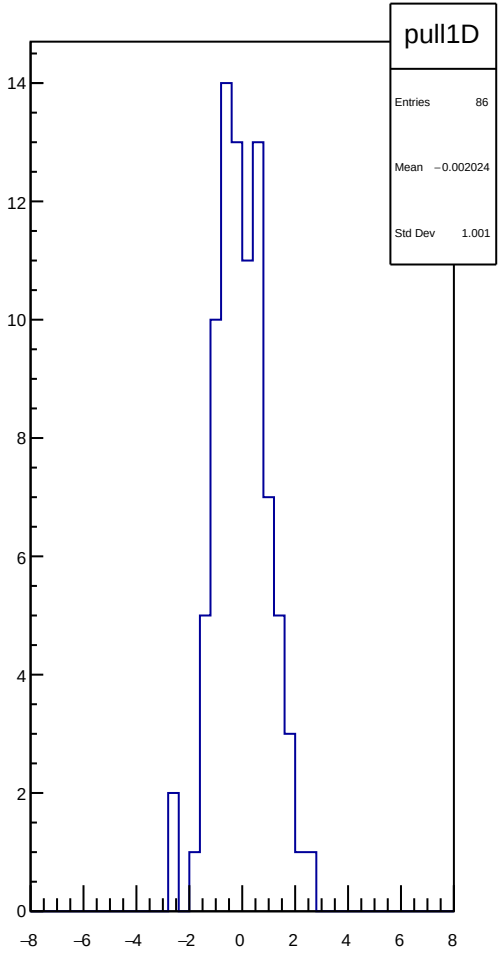

asym_sam3_cor_correction_rms vs run
χ² / ndf 1.55e+04 / 85
p0 1353 ± 1.056
1700
1600
1500
1400
1300
1200
1100

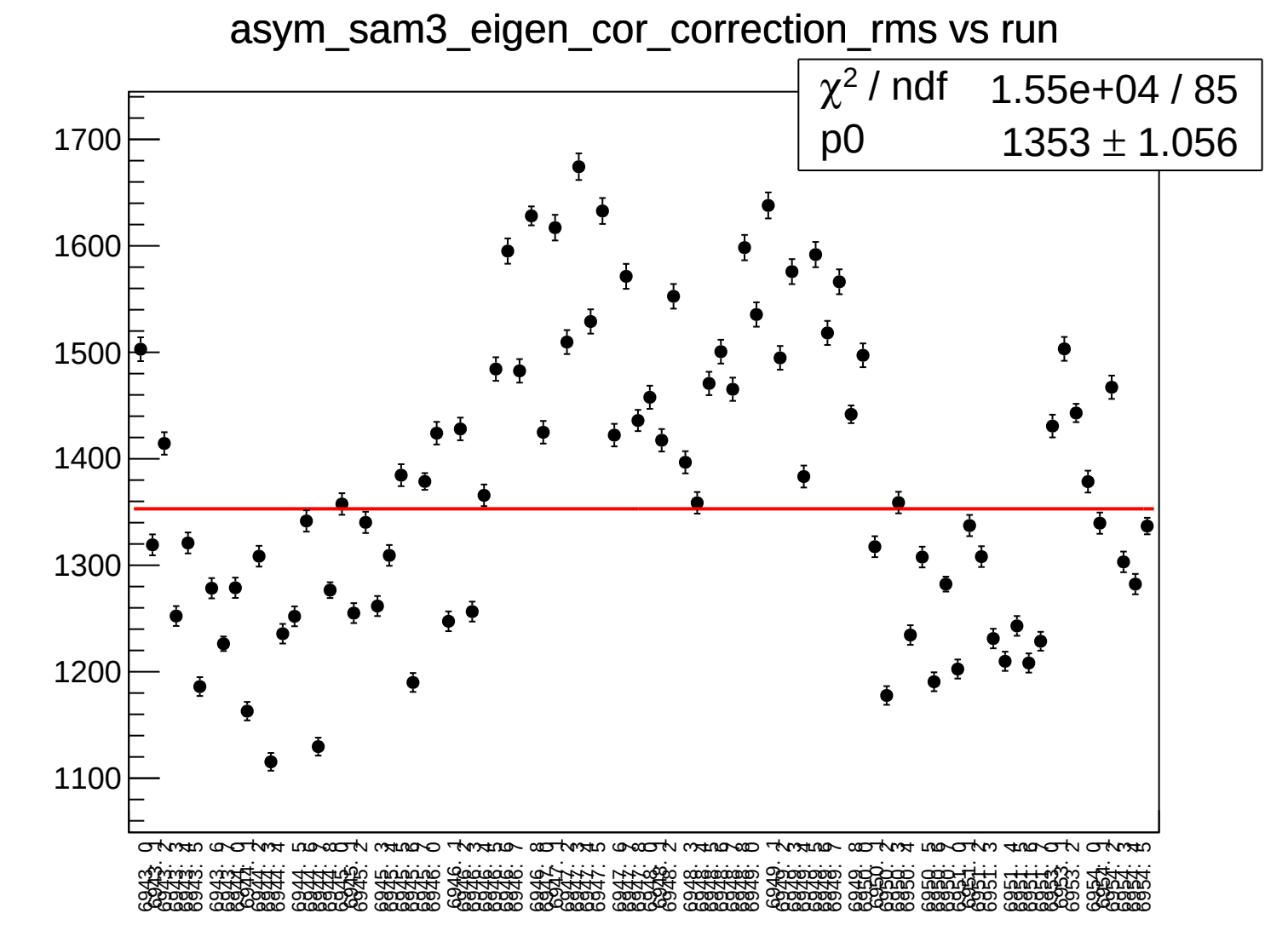

eigen_cor_asym_sam3_mean vs run
χ² / ndf 82.91 / 85
p0 −154 ± 113.9
pull
Entries 86
Mean −203.9
Std Dev 0

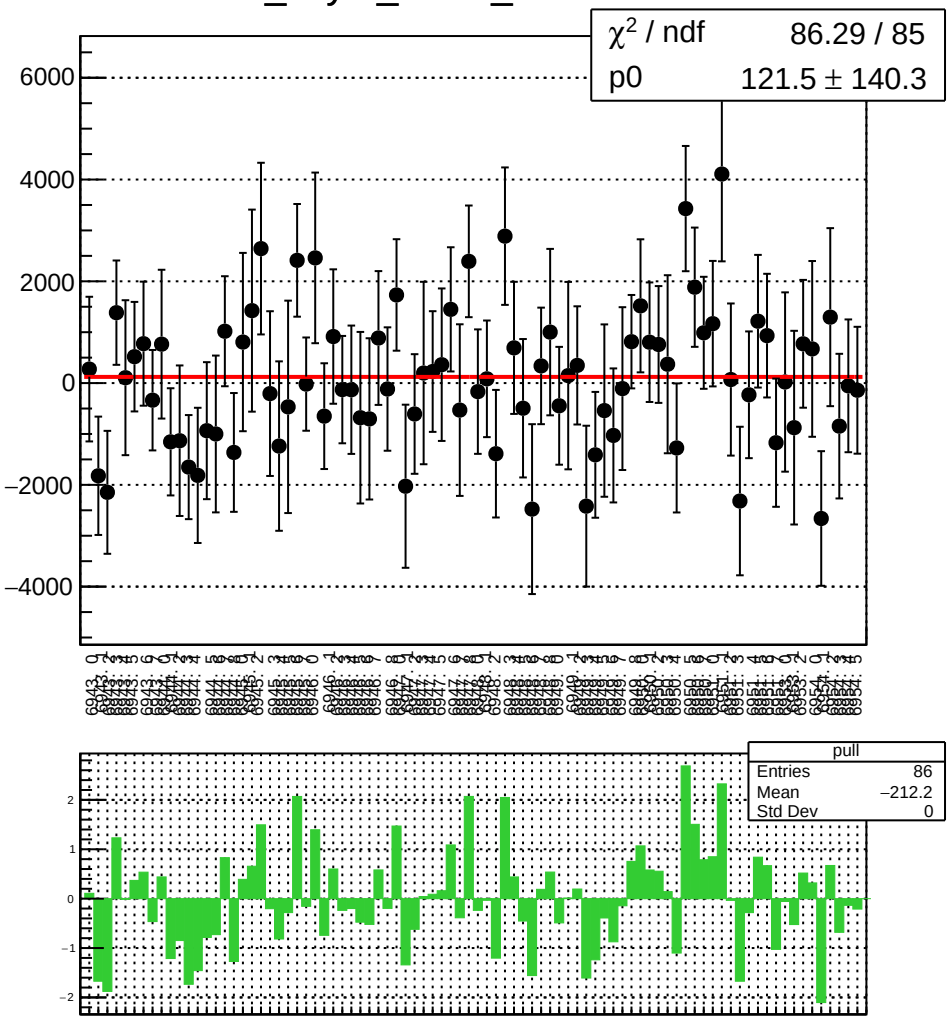

pull1D
Entries 86
Mean −0.01302
Std Dev 0.9818

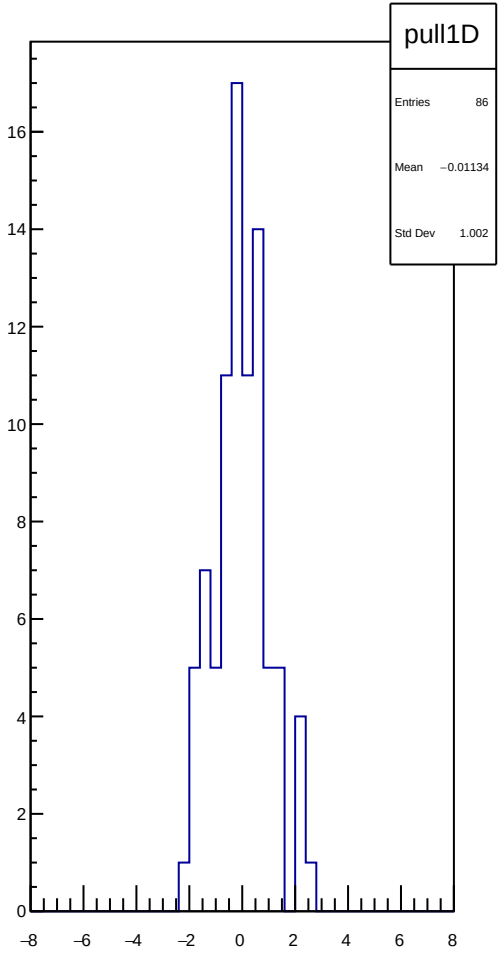

eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 1.762e+04 / 85
p0 103.1 ± 0.08052
130
120
110
100
90

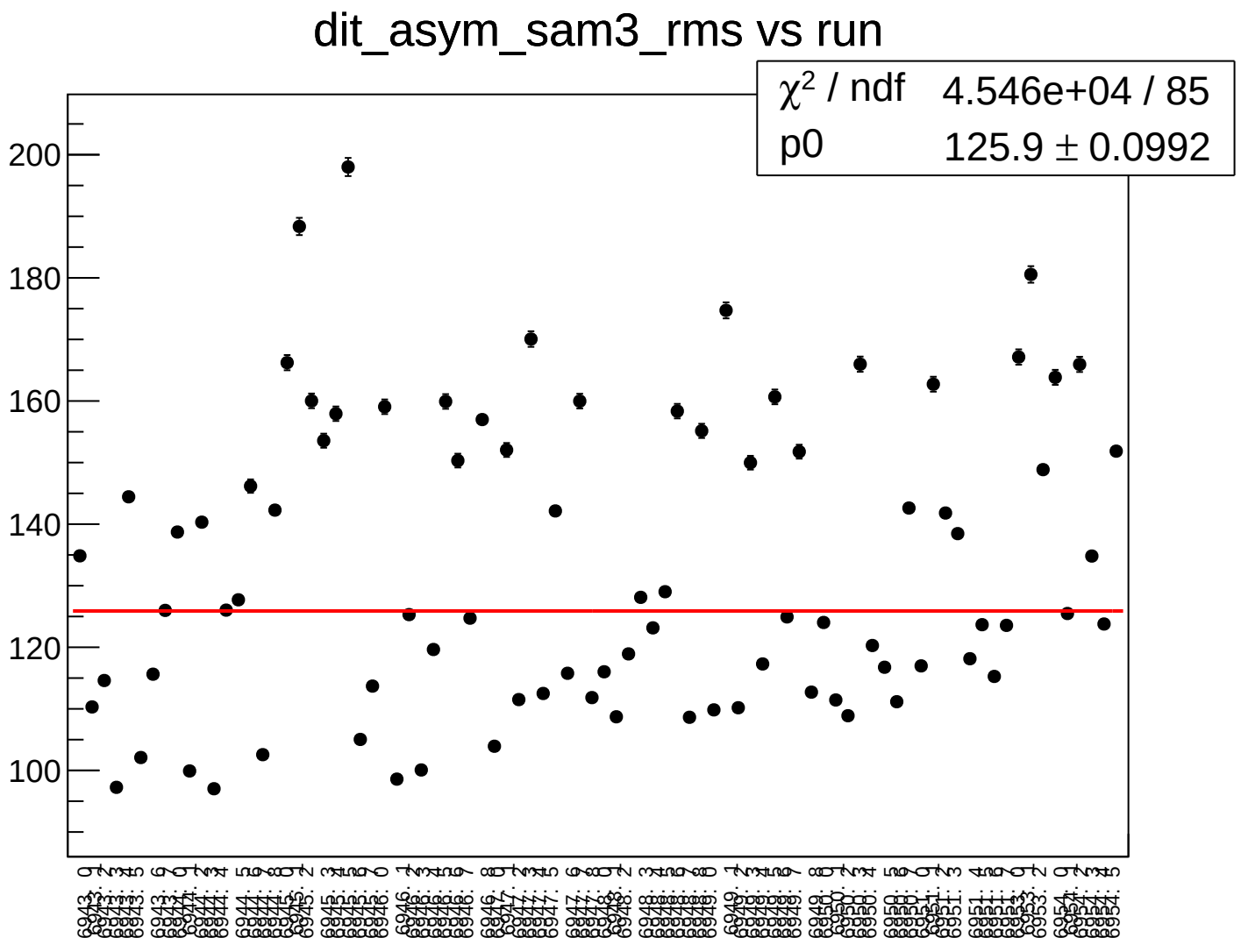

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −5450 ± 1494
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −36.8
Std Dev 0
2
1
0
−1
−2

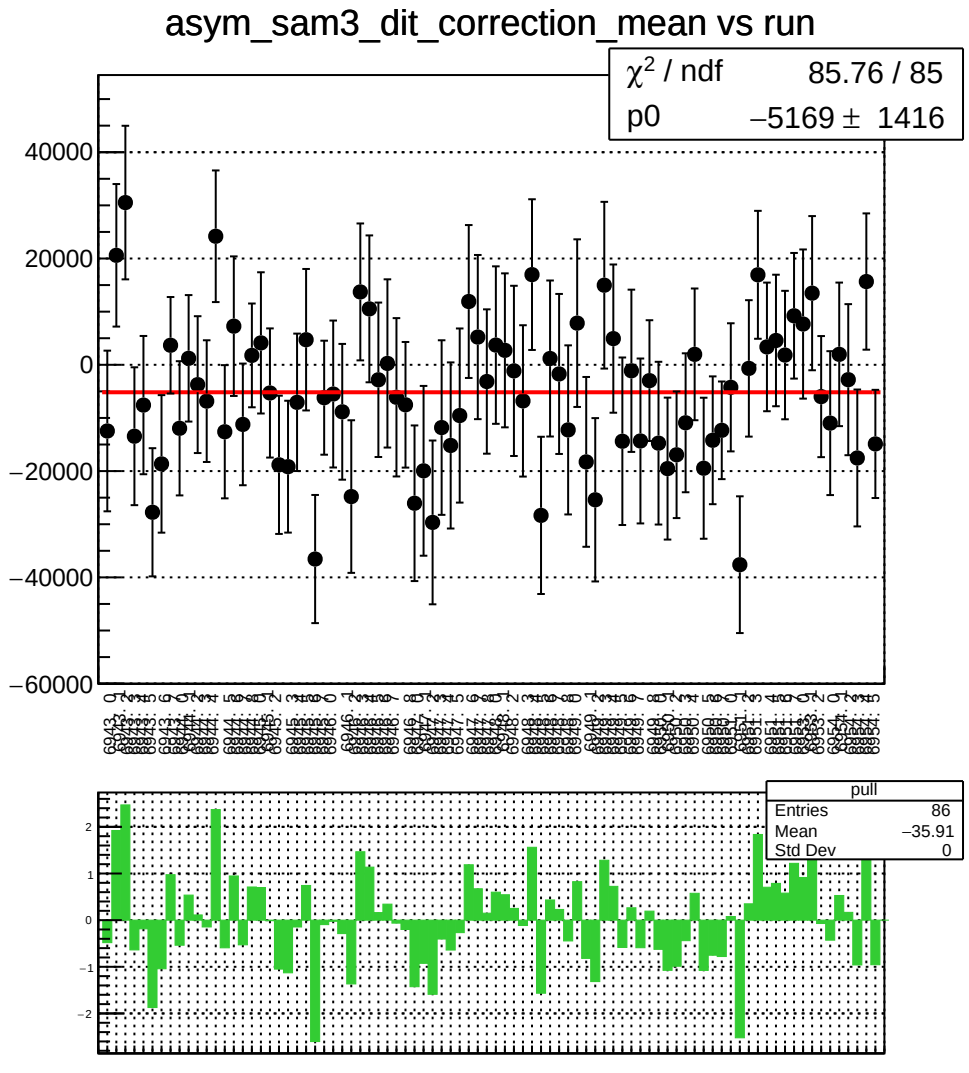

pull1D
Entries 86
Mean −0.002024
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

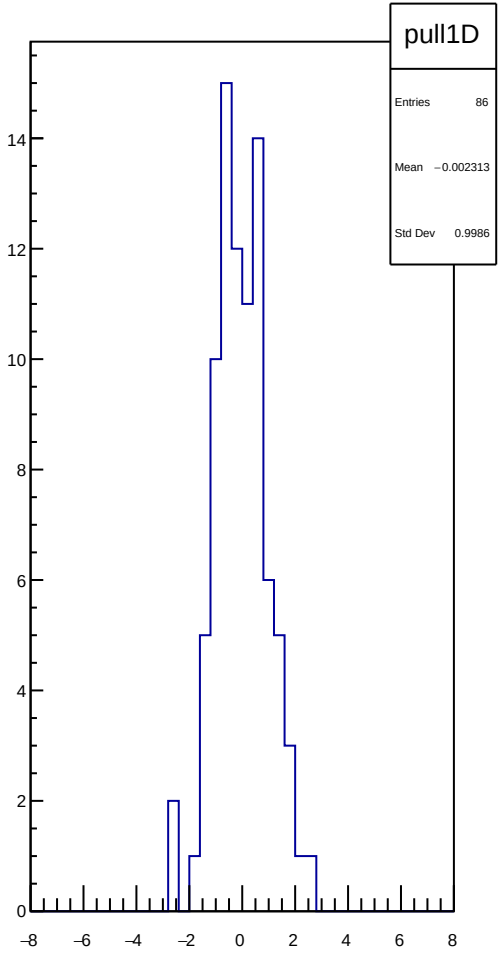

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.55e+04 / 85
p0 1353 ± 1.056
1700
1600
1500
1400
1300
1200
1100

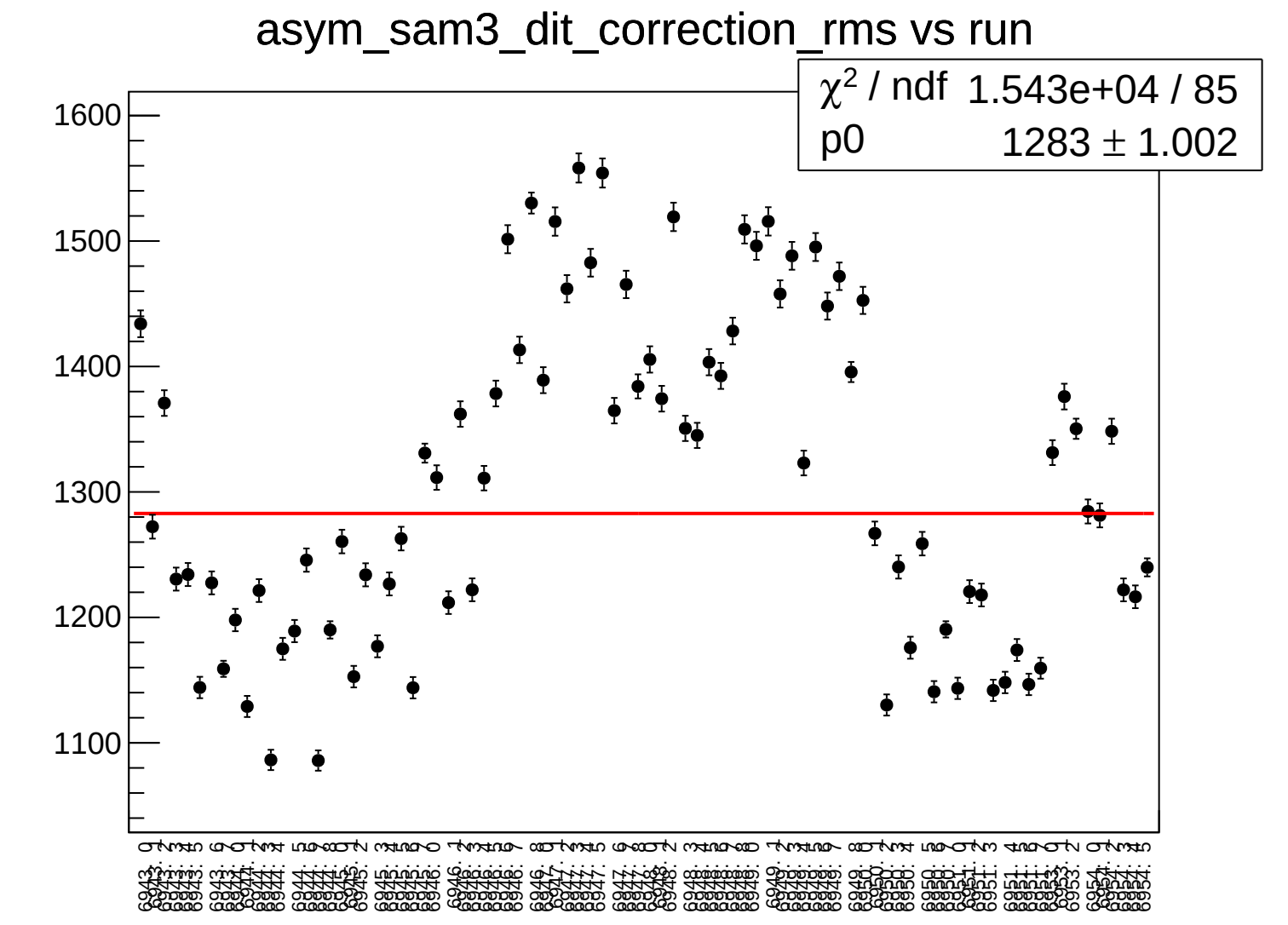

dit_asym_sam3_mean vs run
χ^2 / ndf 86.29 / 85
p0 121.5 ± 140.3
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −212.2
Std Dev 0
2
1
0
−1
−2

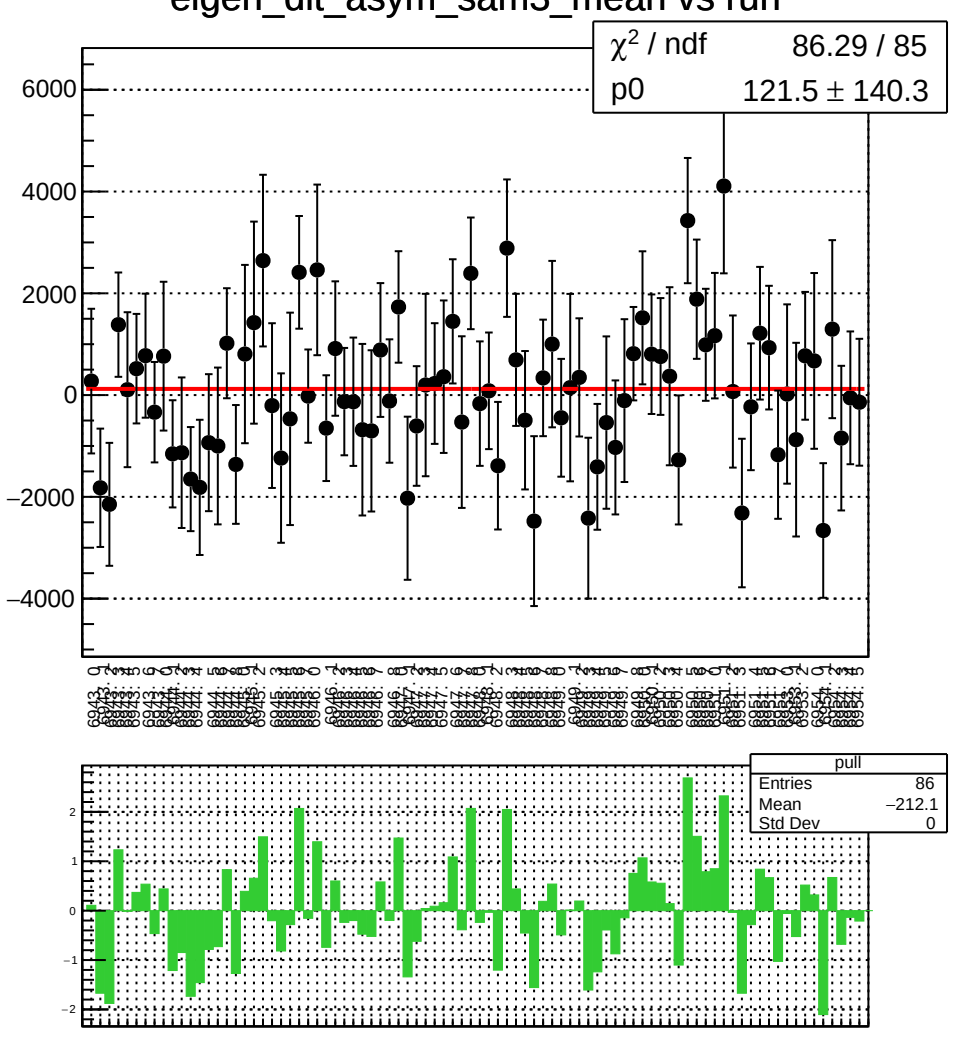

pull1D
Entries 86
Mean −0.01134
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

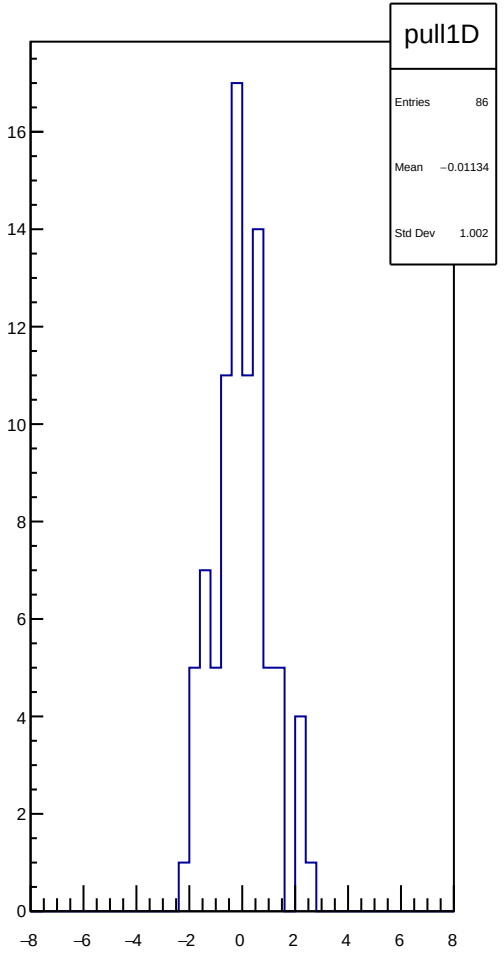

dit_asym_sam3_rms vs run
χ² / ndf 4.546e+04 / 85
p0 125.9 ± 0.0992
200
180
160
140
120
100

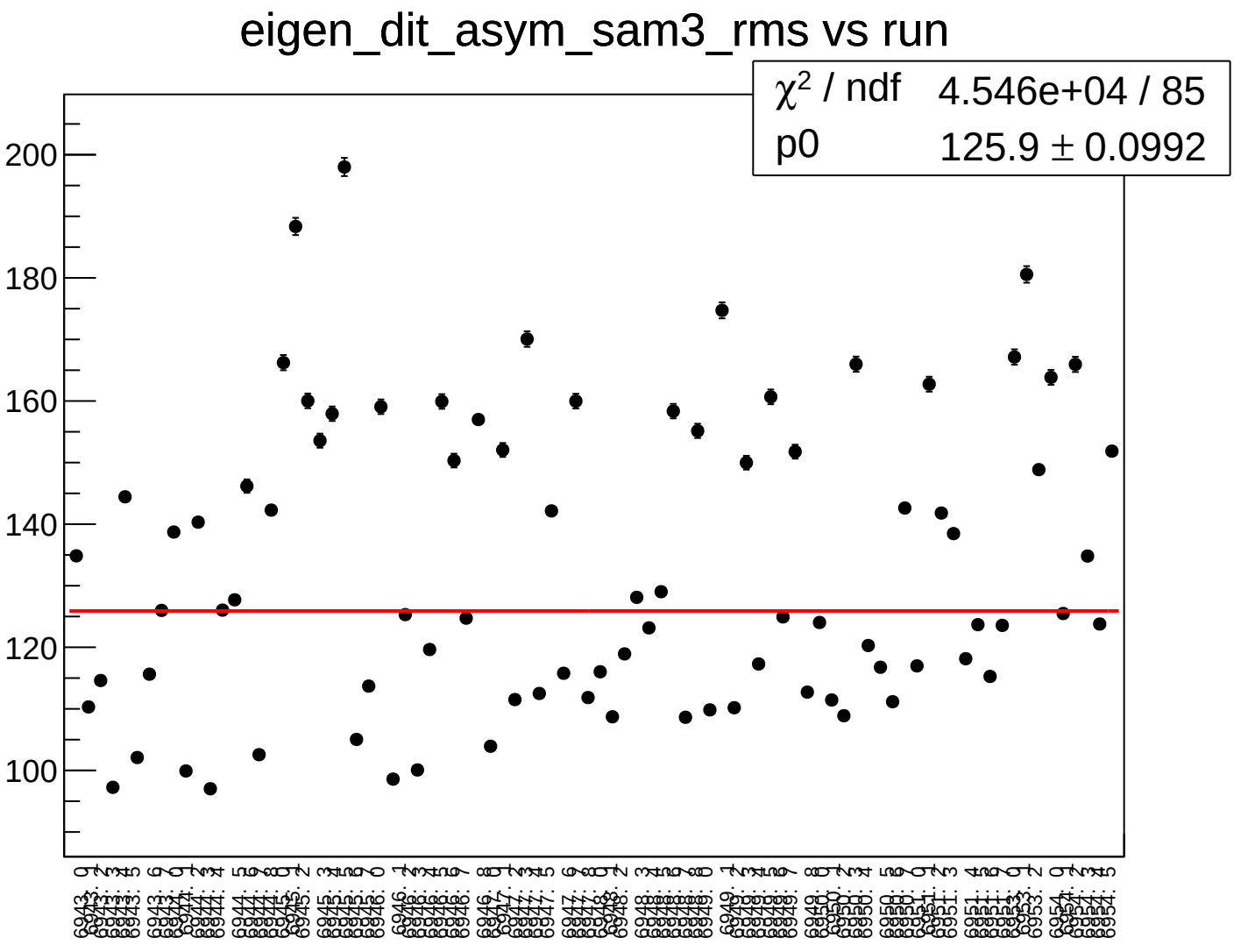

asym_sam3_dit_correction_mean vs run
χ² / ndf 85.76 / 85
p0 −5169 ± 1416
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −35.91
Std Dev 0
2
1
0
−1
−2

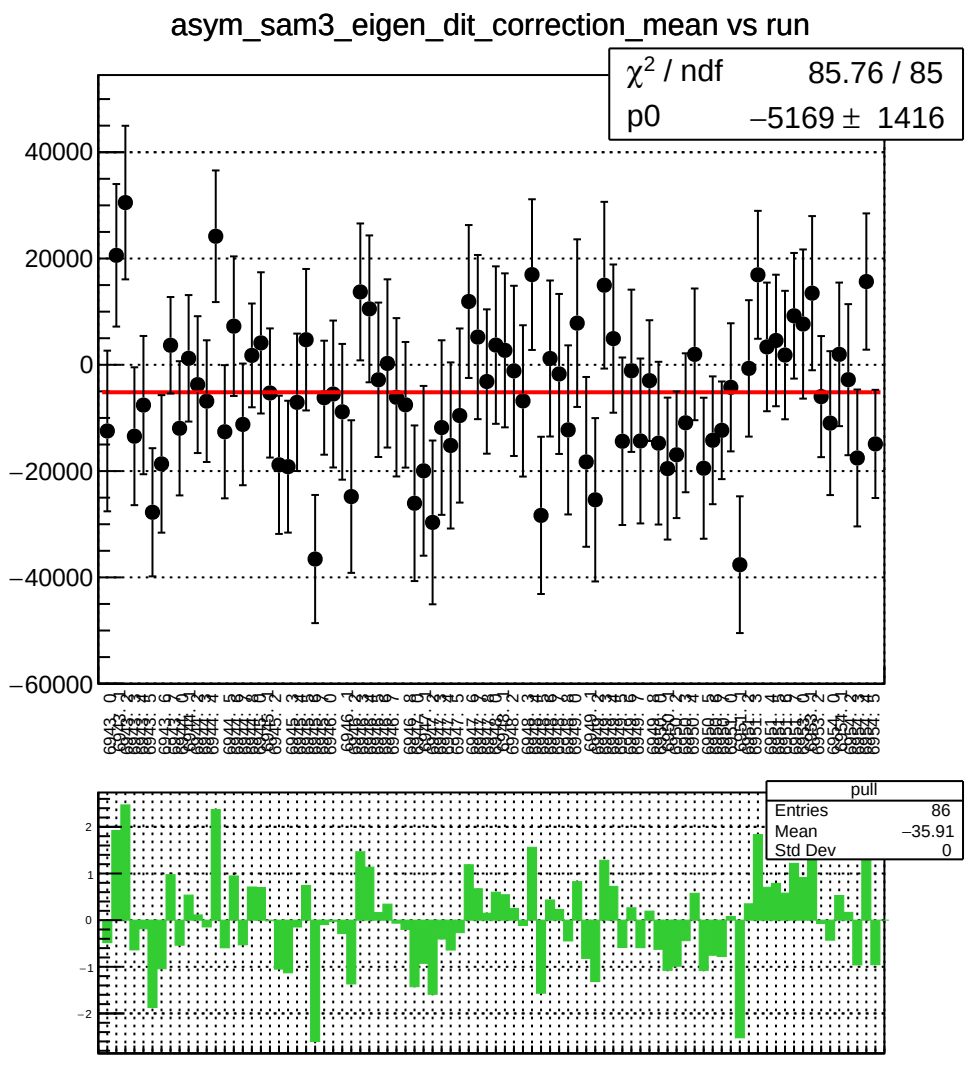

pull1D
Entries 86
Mean −0.002313
Std Dev 0.9986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

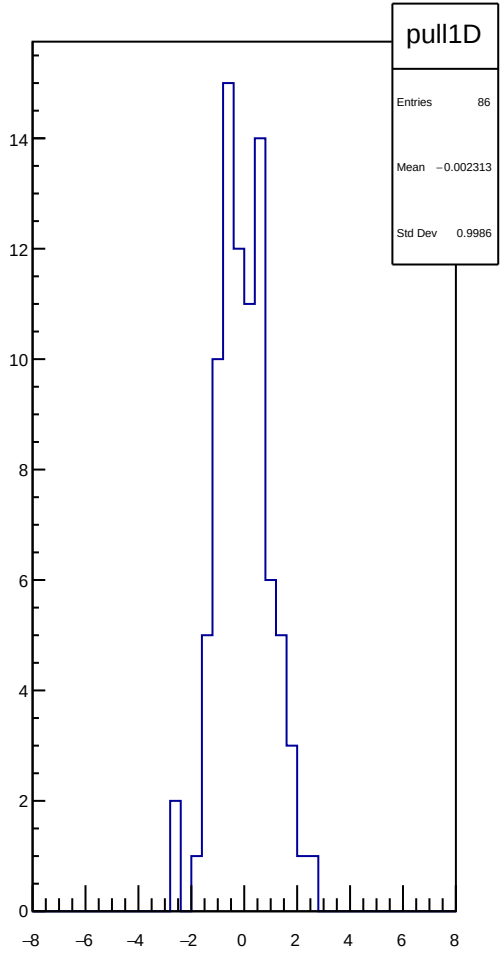

asym_sam3_dit_correction_rms vs run
χ² / ndf 1.543e+04 / 85
p0 1283 ± 1.002
1600
1500
1400
1300
1200
1100

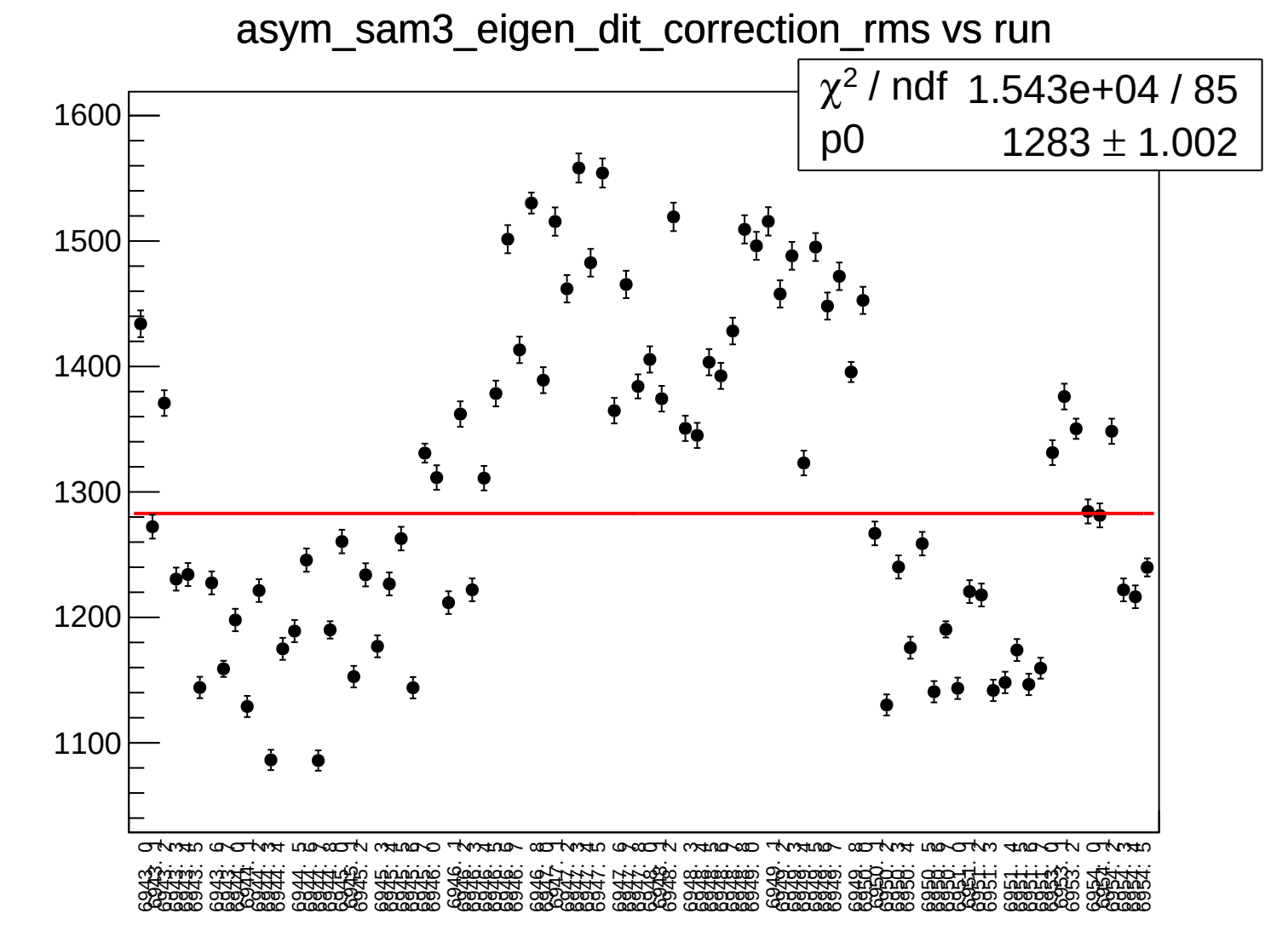

eigen_dit_asym_sam3_mean vs run
χ² / ndf 86.29 / 85
p0 121.5 ± 140.3
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −212.1
Std Dev 0
2
1
0
−1
−2

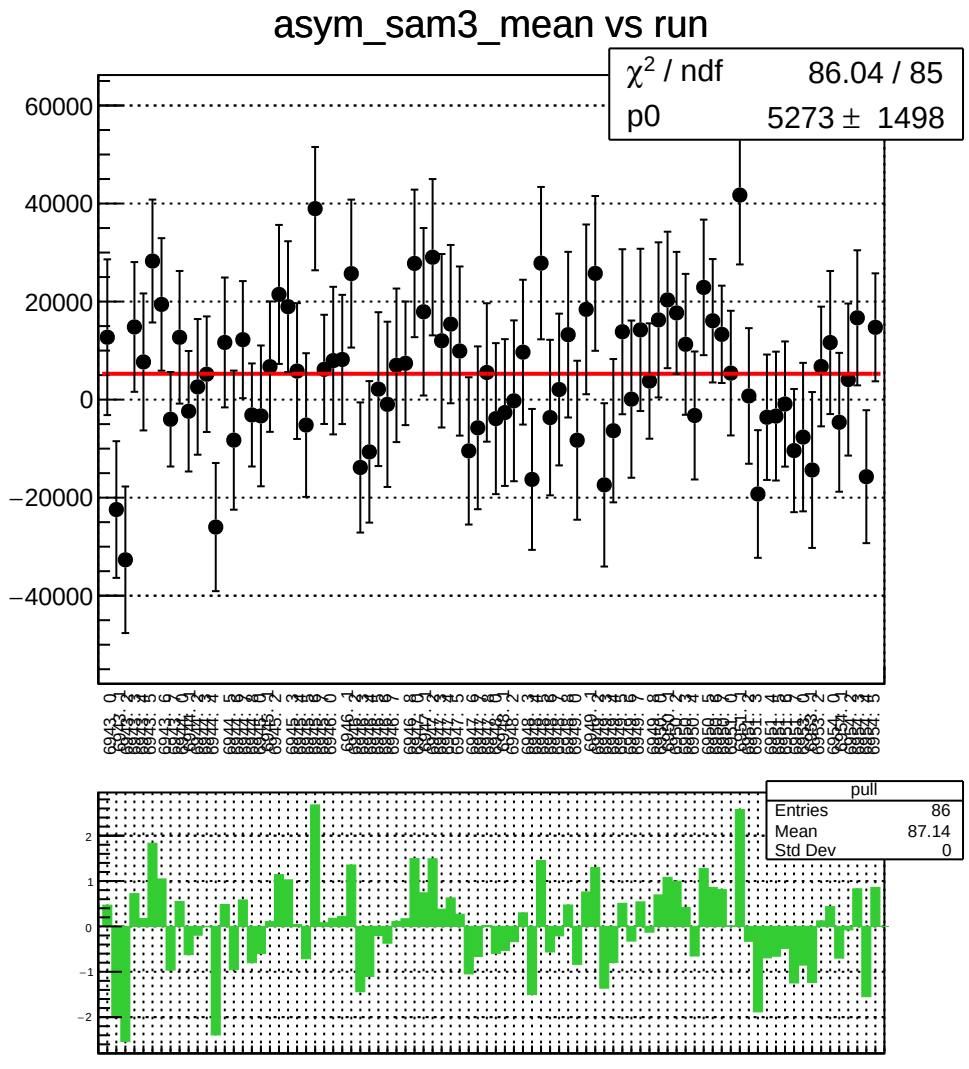

pull1D
Entries 86
Mean −0.01134
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

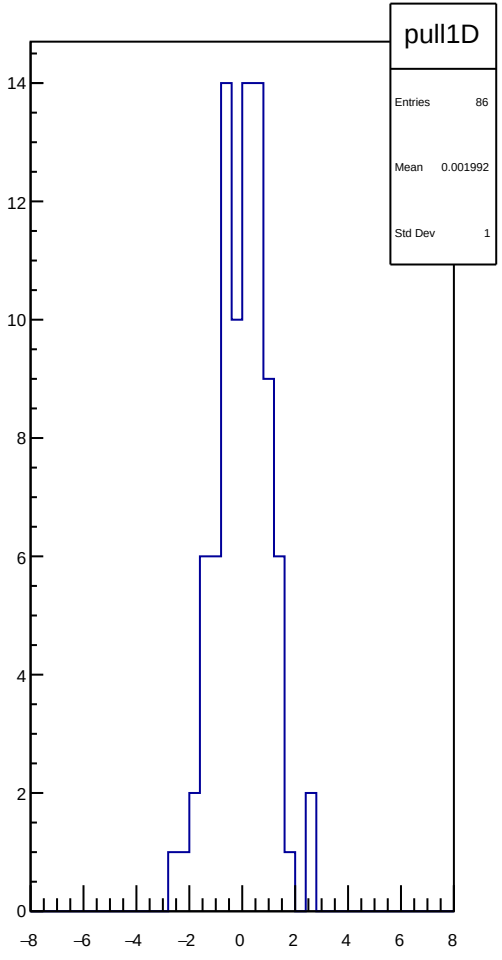

eigen_dit_asym_sam3_rms vs run
χ² / ndf 4.546e+04 / 85
p0 125.9 ± 0.0992
200
180
160
140
120
100

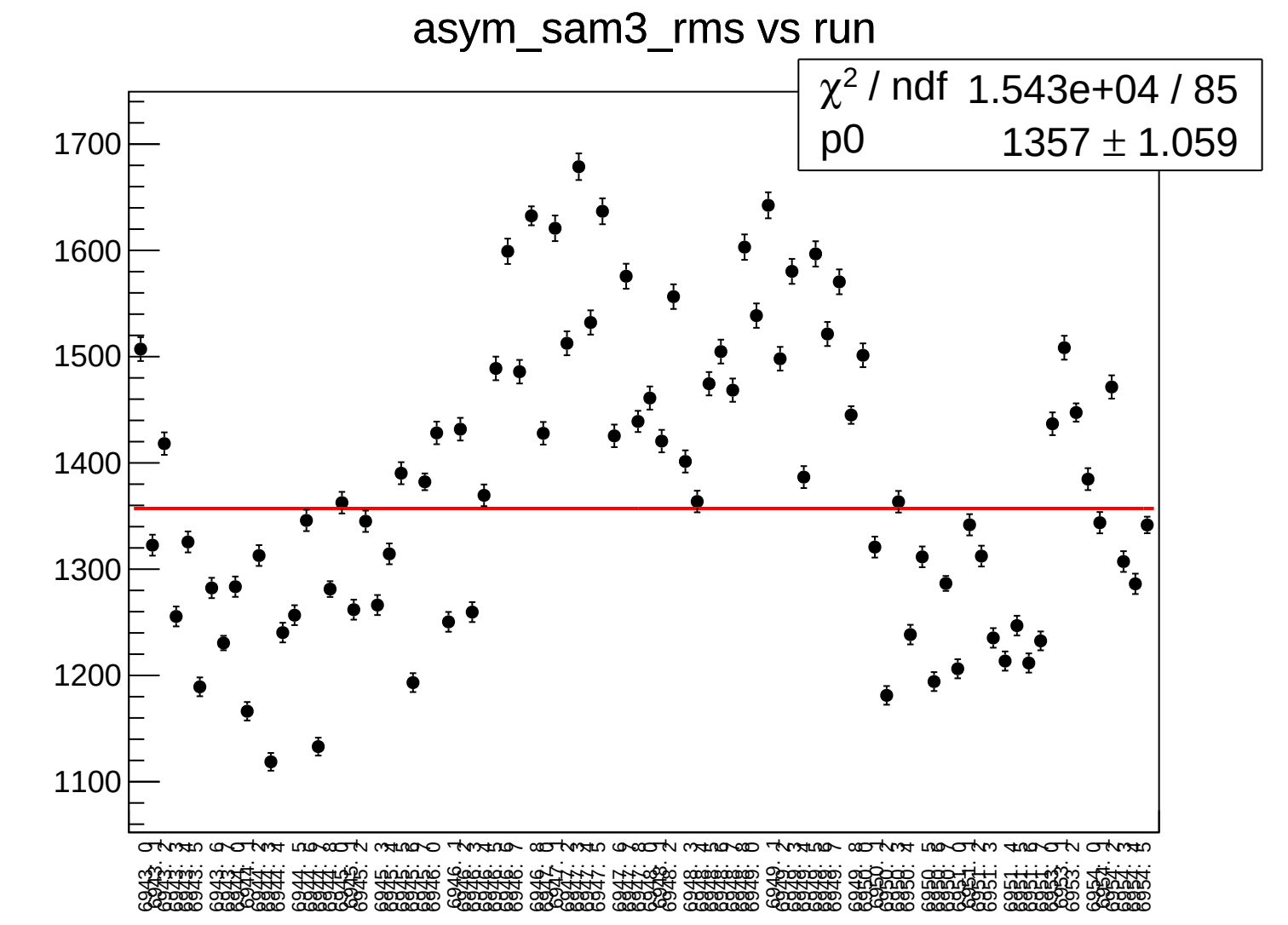

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 85.76 / 85
p0 −5169 ± 1416
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −35.91
Std Dev 0
2
1
0
−1
−2

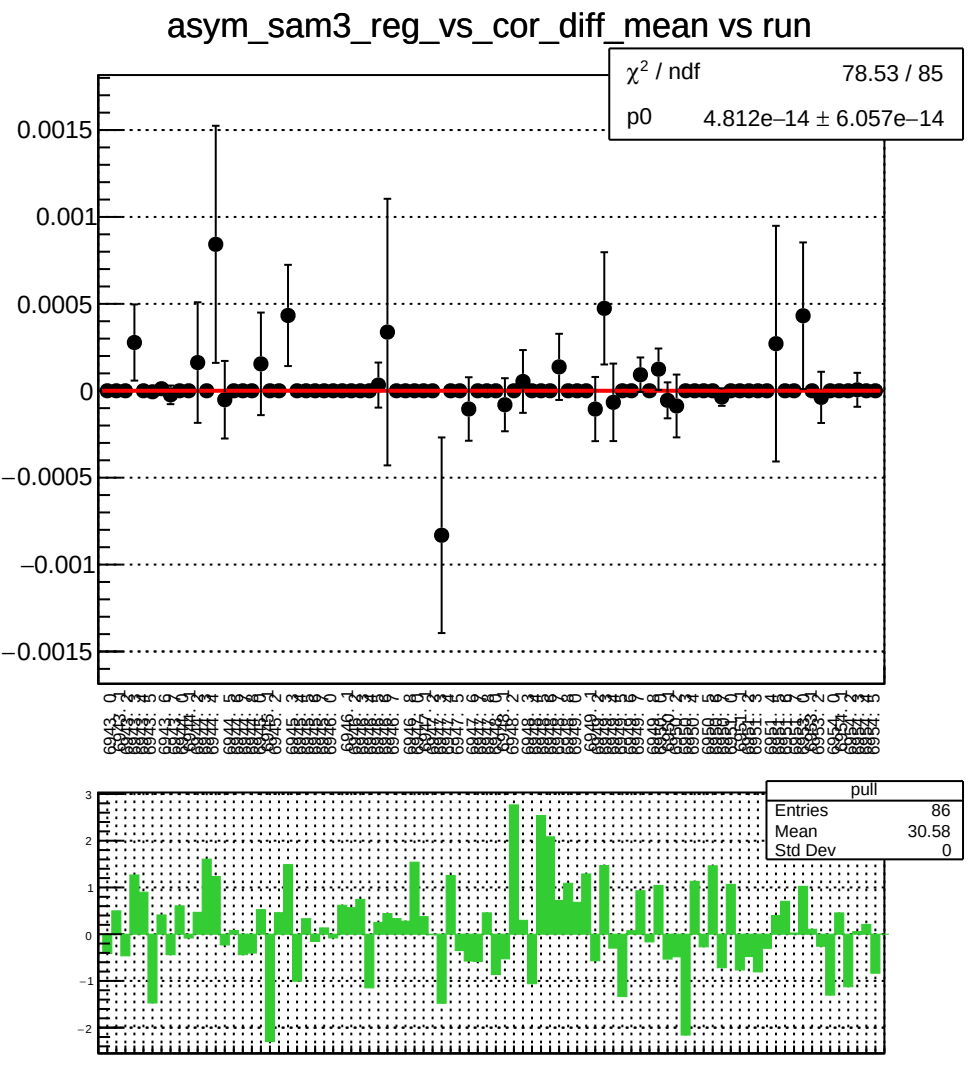

pull1D
Entries 86
Mean −0.002313
Std Dev 0.9986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

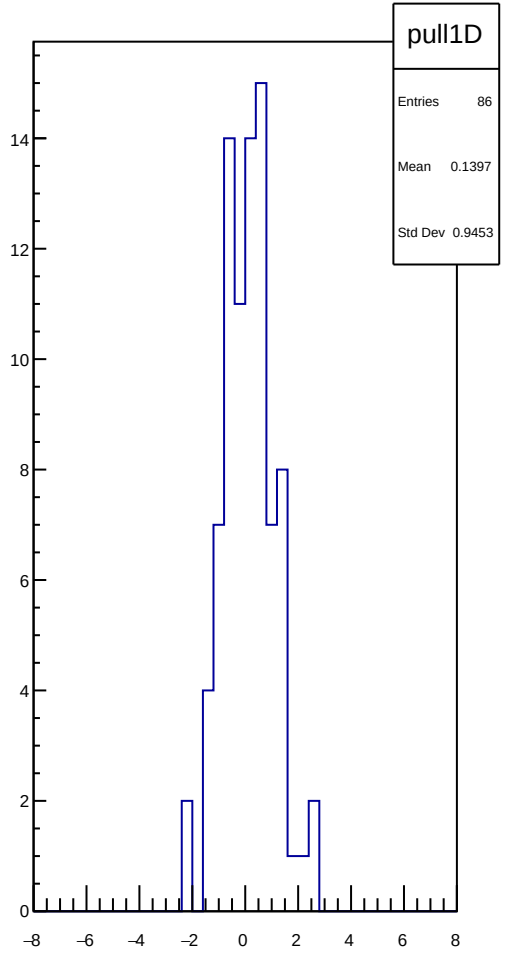

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 1.543e+04 / 85
p0 1283 ± 1.002
1600
1500
1400
1300
1200
1100

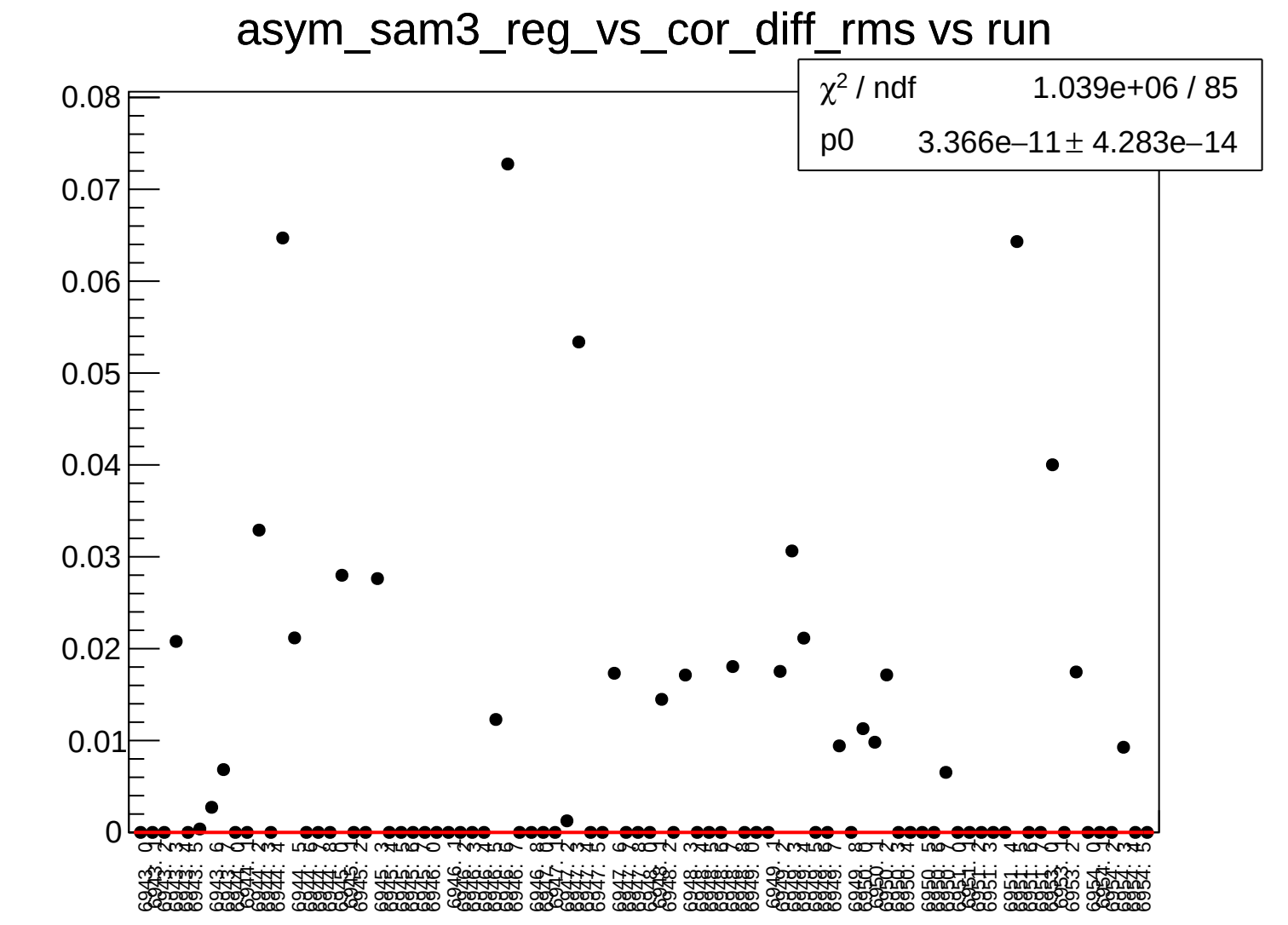

asym_sam3_mean vs run
χ² / ndf 86.04 / 85
p0 5273 ± 1498
pull
Entries 86
Mean 87.14
Std Dev 0

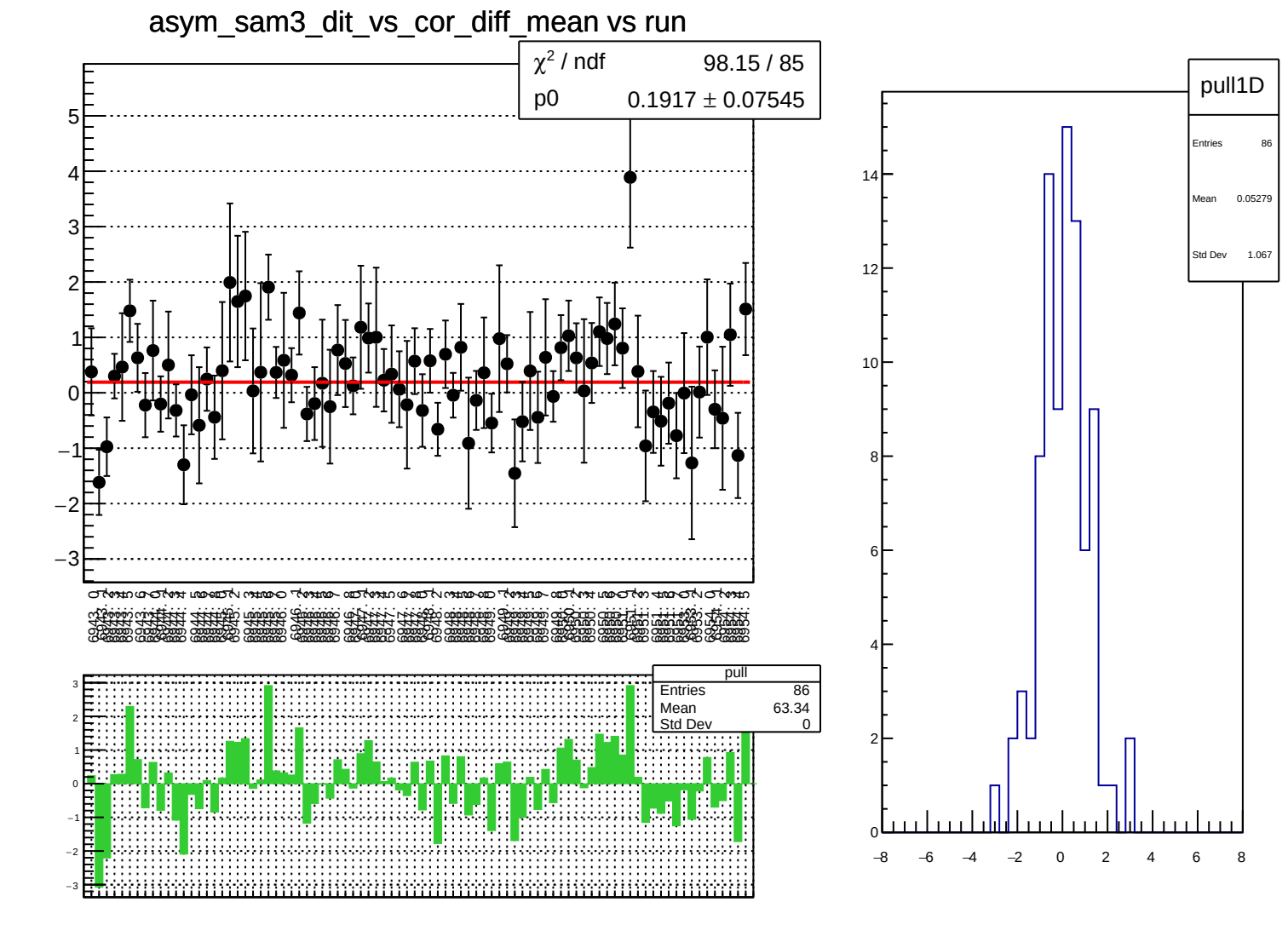

pull1D
Entries 86
Mean 0.001992
Std Dev 1

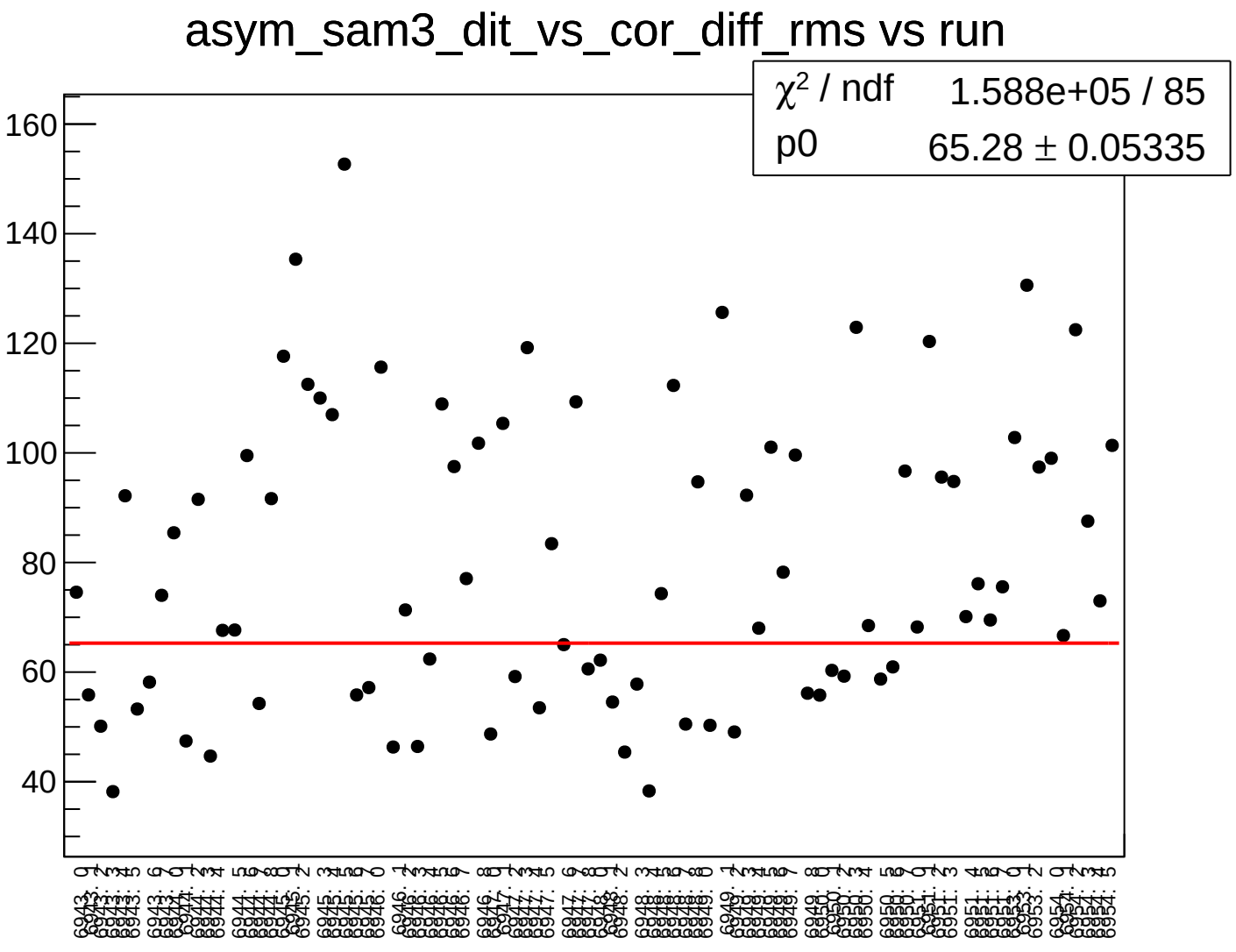

asym_sam3_rms vs run
χ² / ndf 1.543e+04 / 85
p0 1357 ± 1.059
1700
1600
1500
1400
1300
1200
1100

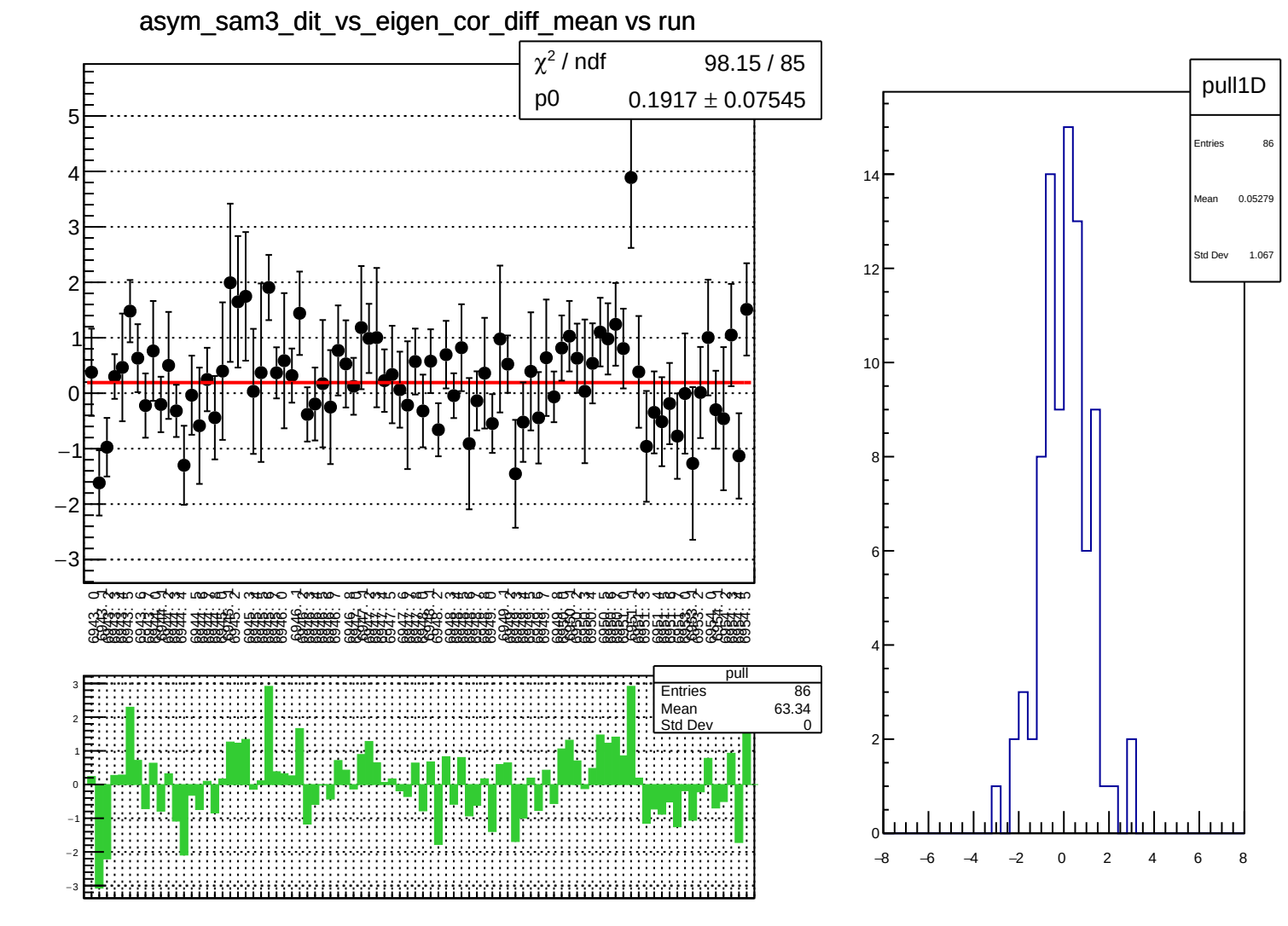

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 78.53 / 85
p0 4.812e−14 ± 6.057e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 86
Mean 30.58
Std Dev 0

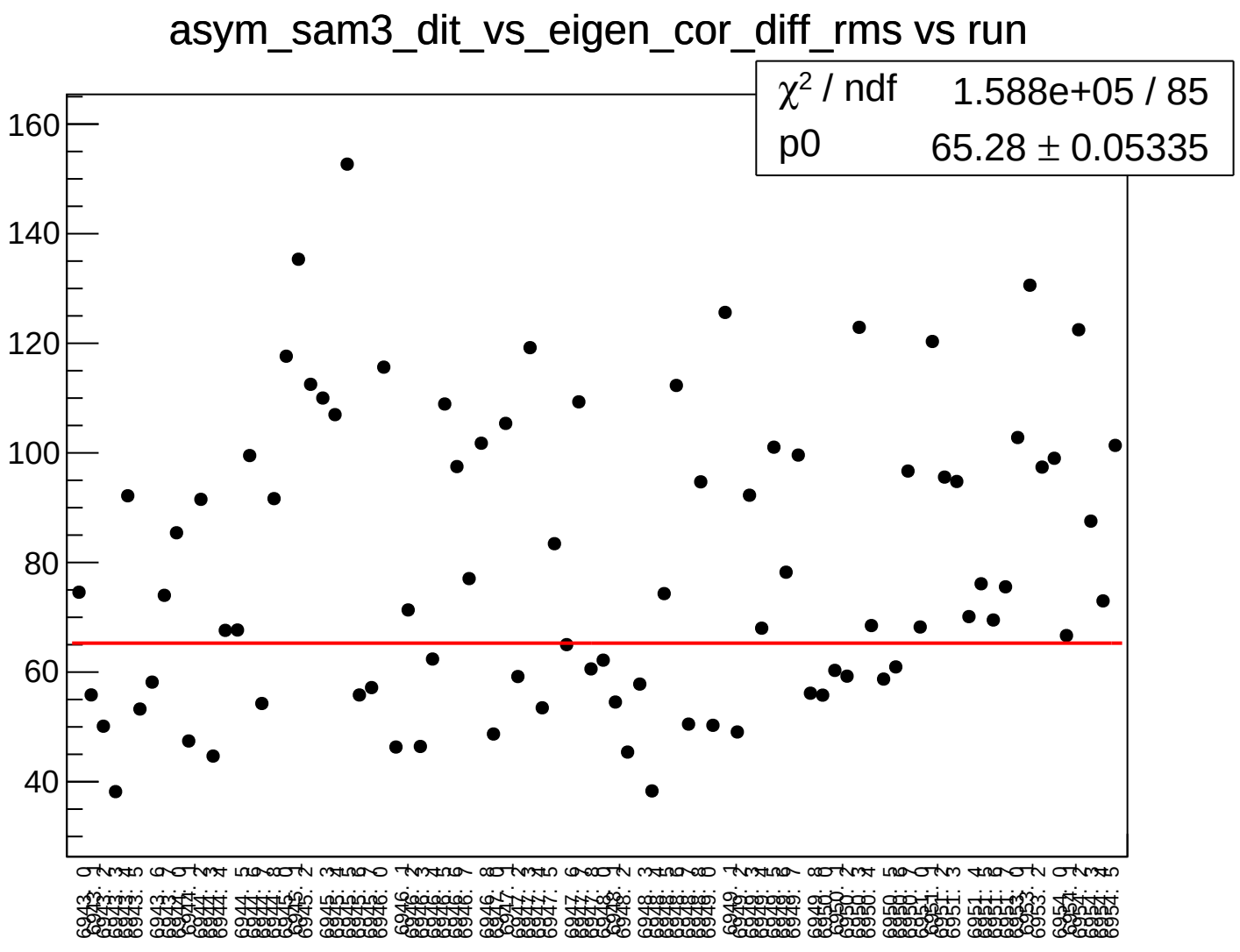

pull1D
Entries 86
Mean 0.1397
Std Dev 0.9453
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

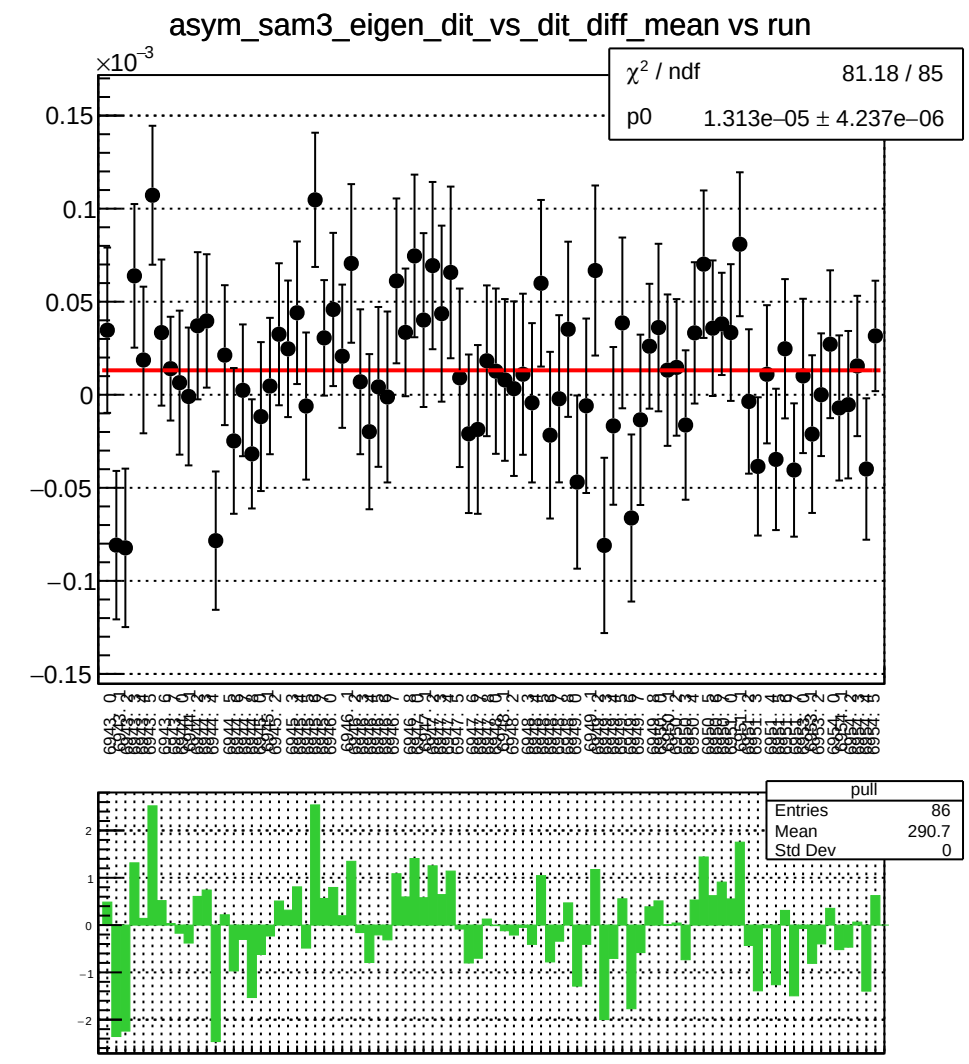

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 1.039e+06 / 85
p0 3.366e−11 ± 4.283e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

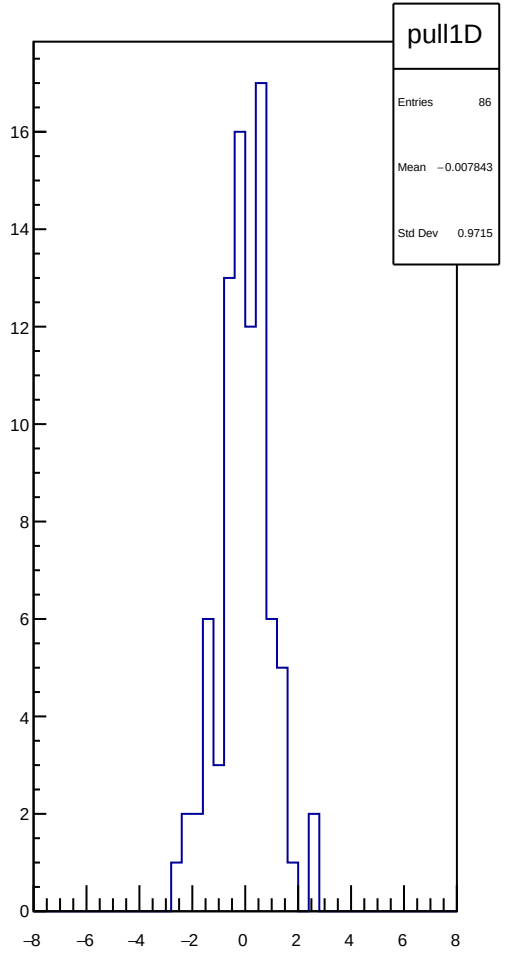

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 98.15 / 85
p0 0.1917 ± 0.07545
pull
Entries 86
Mean 63.34
Std Dev 0
pull1D
Entries 86
Mean 0.05279
Std Dev 1.067

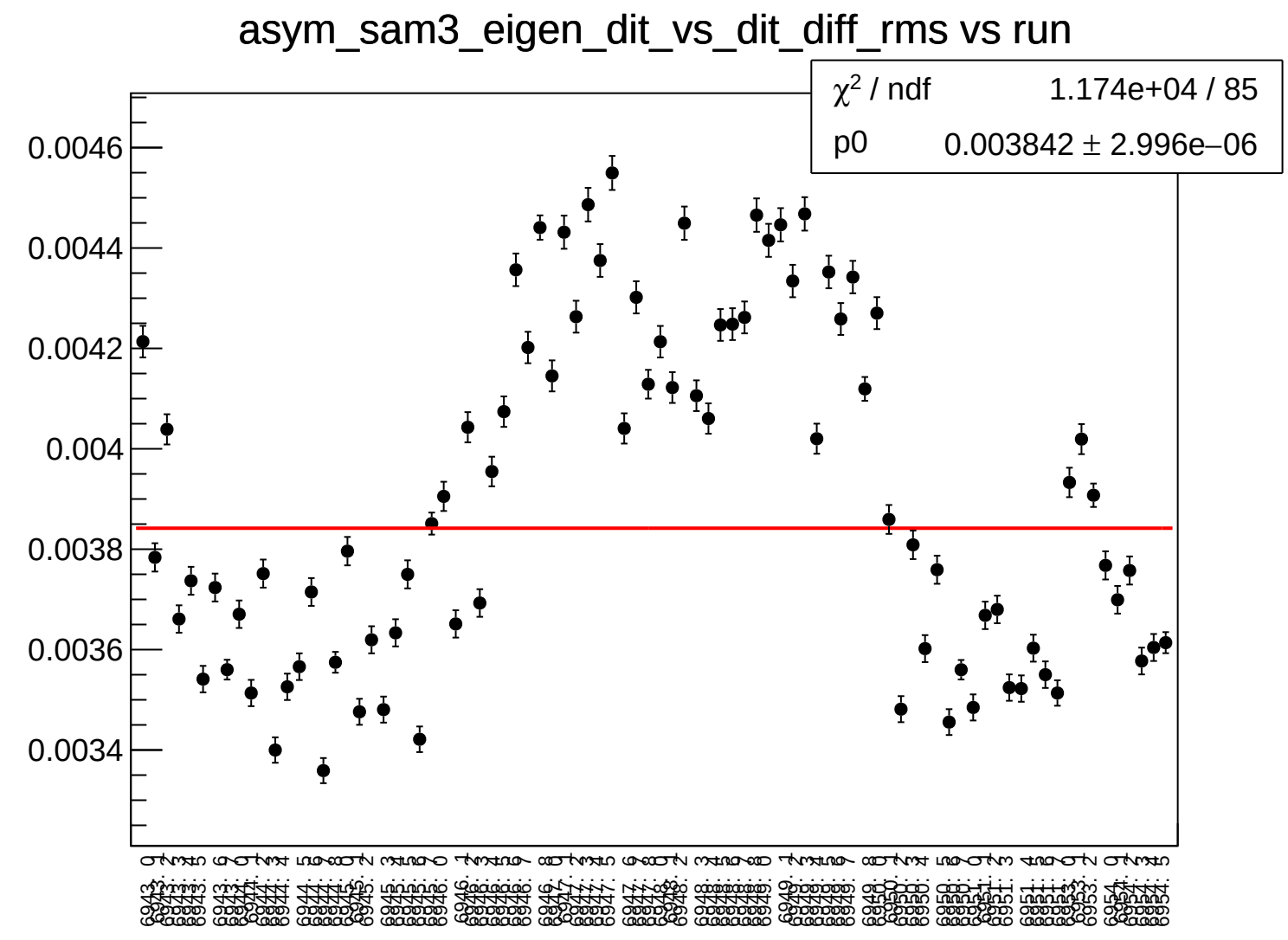

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.588e+05 / 85
p0 65.28 ± 0.05335
160
140
120
100
80
60
40

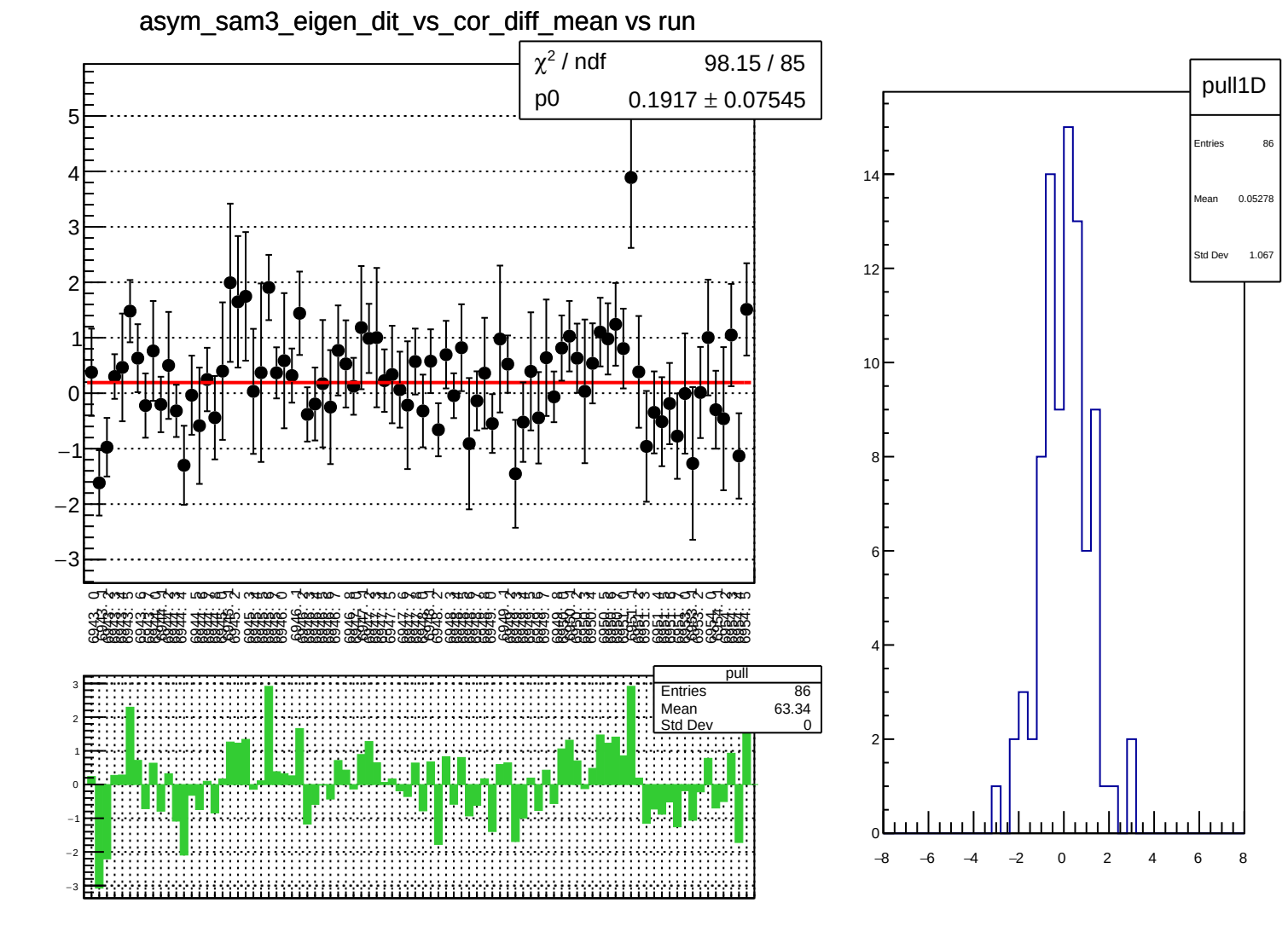

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.15 / 85
p0 0.1917 ± 0.07545
pull
Entries 86
Mean 63.34
Std Dev 0
pull1D
Entries 86
Mean 0.05279
Std Dev 1.067

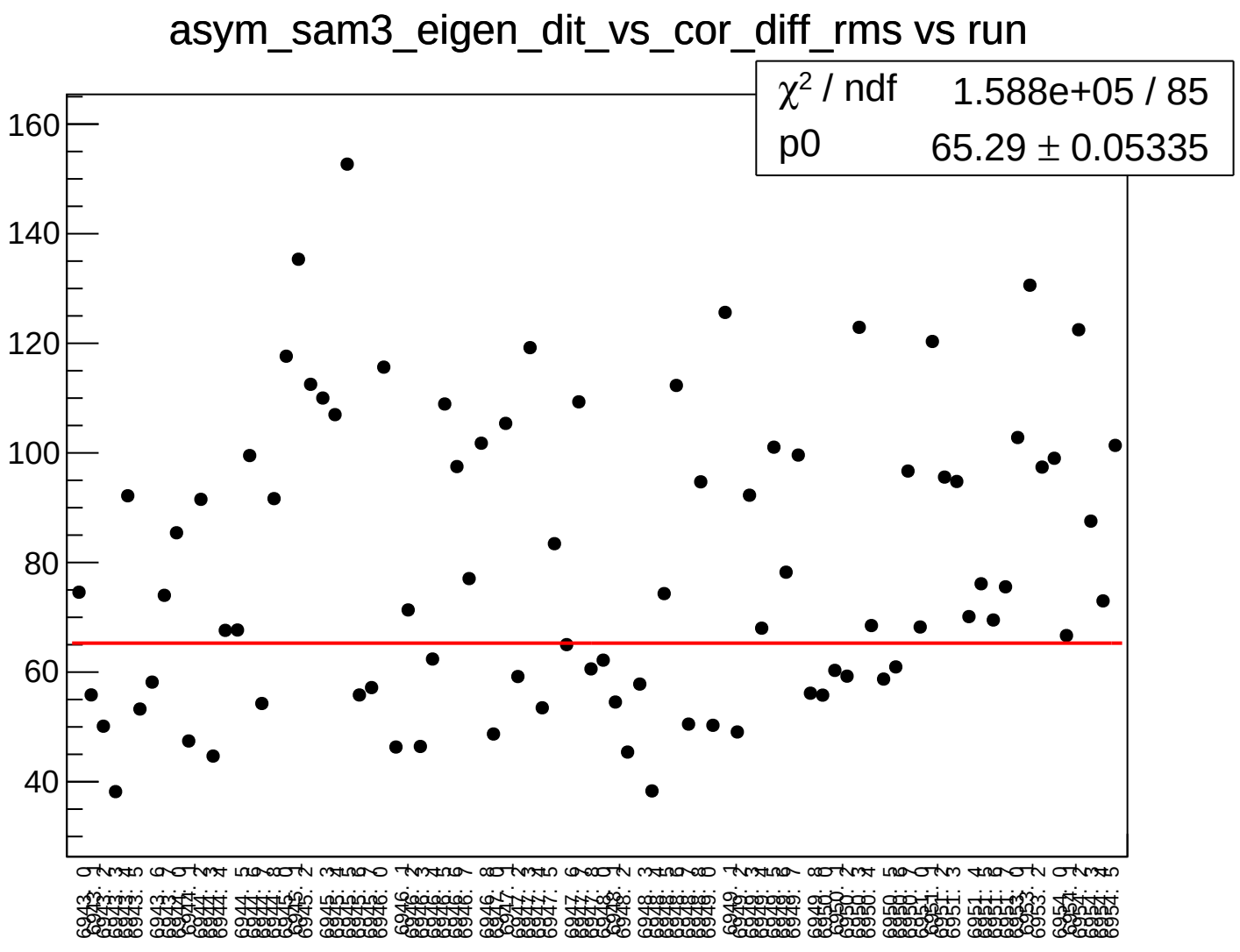

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.588e+05 / 85
p0 65.28 ± 0.05335
160
140
120
100
80
60
40

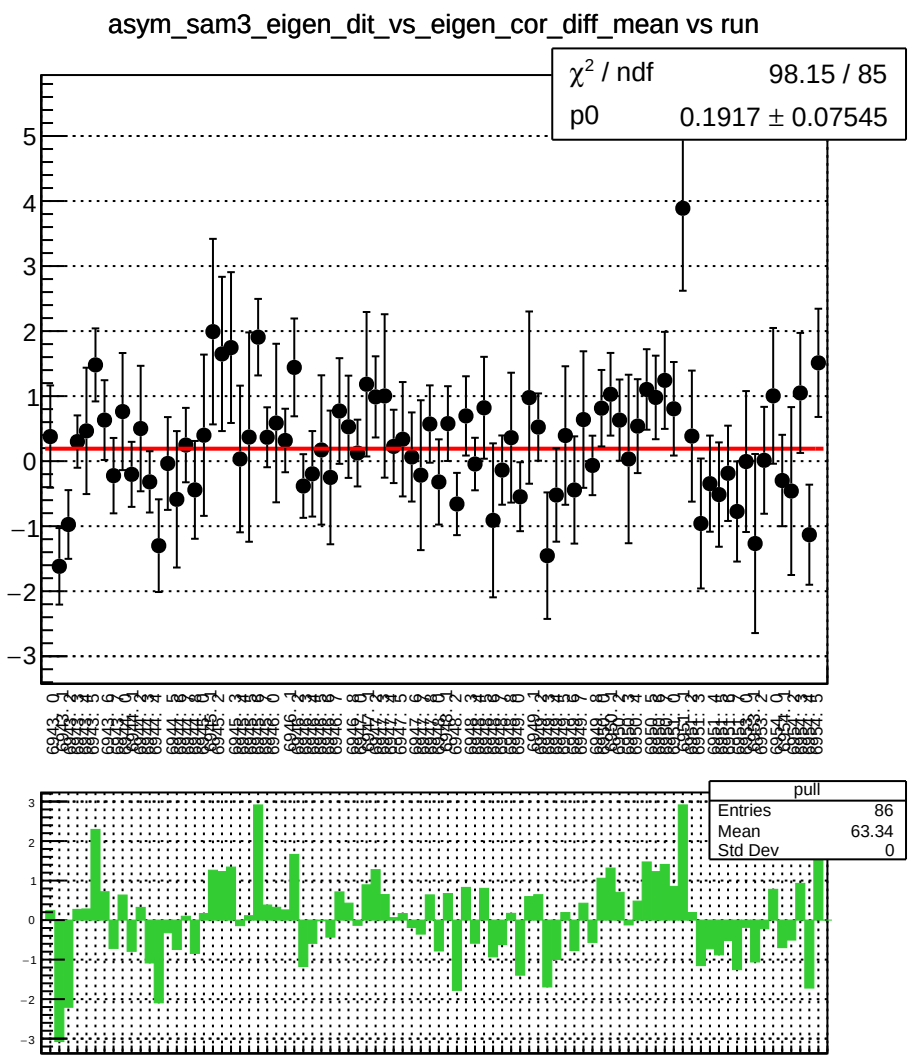

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.18 / 85
p0 1.313e−05 ± 4.237e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 290.7
Std Dev 0
2
1
0
−1
−2

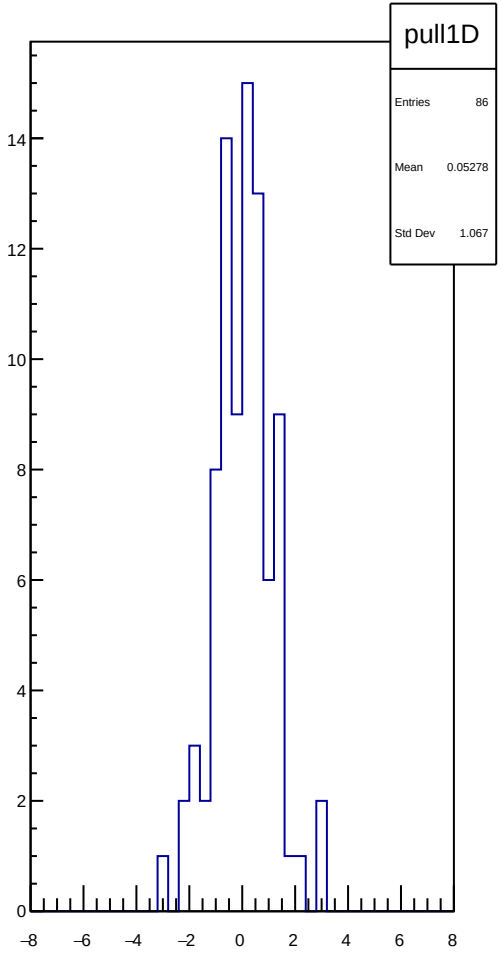

pull1D
Entries 86
Mean −0.007843
Std Dev 0.9715
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

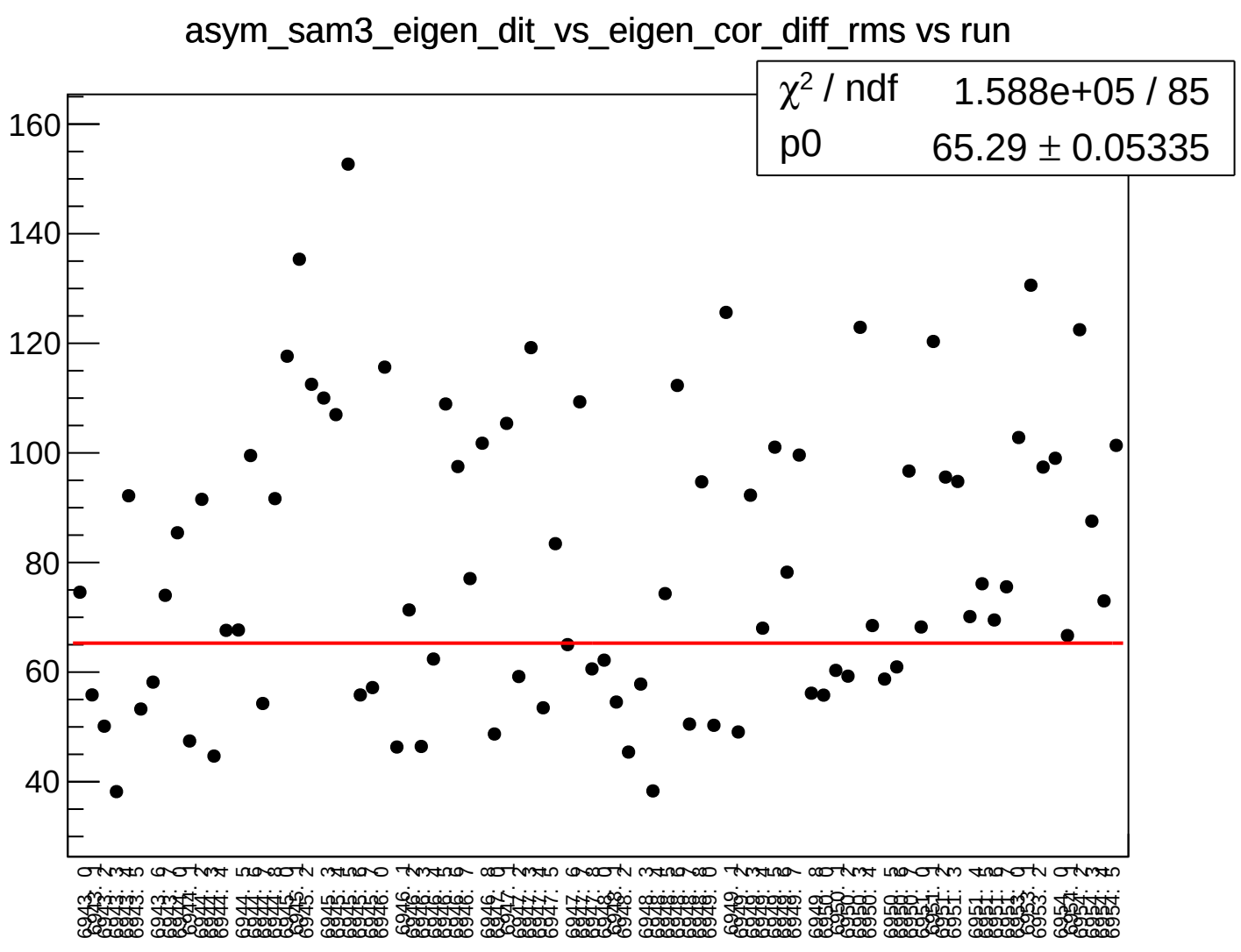

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.174e+04 / 85
p0 0.003842 ± 2.996e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

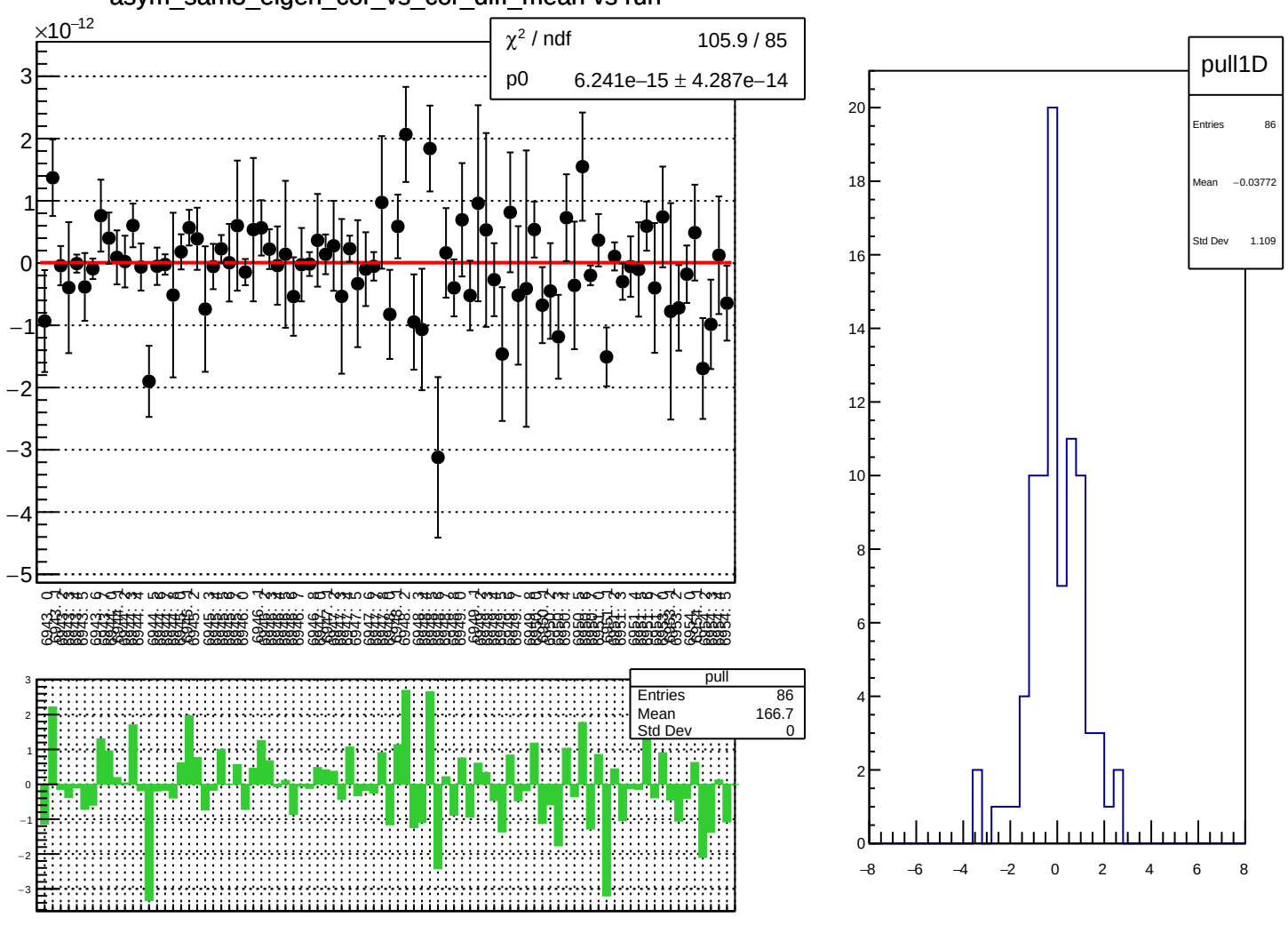

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.15 / 85
p0 0.1917 ± 0.07545
pull
Entries 86
Mean 63.34
Std Dev 0
pull1D
Entries 86
Mean 0.05278
Std Dev 1.067

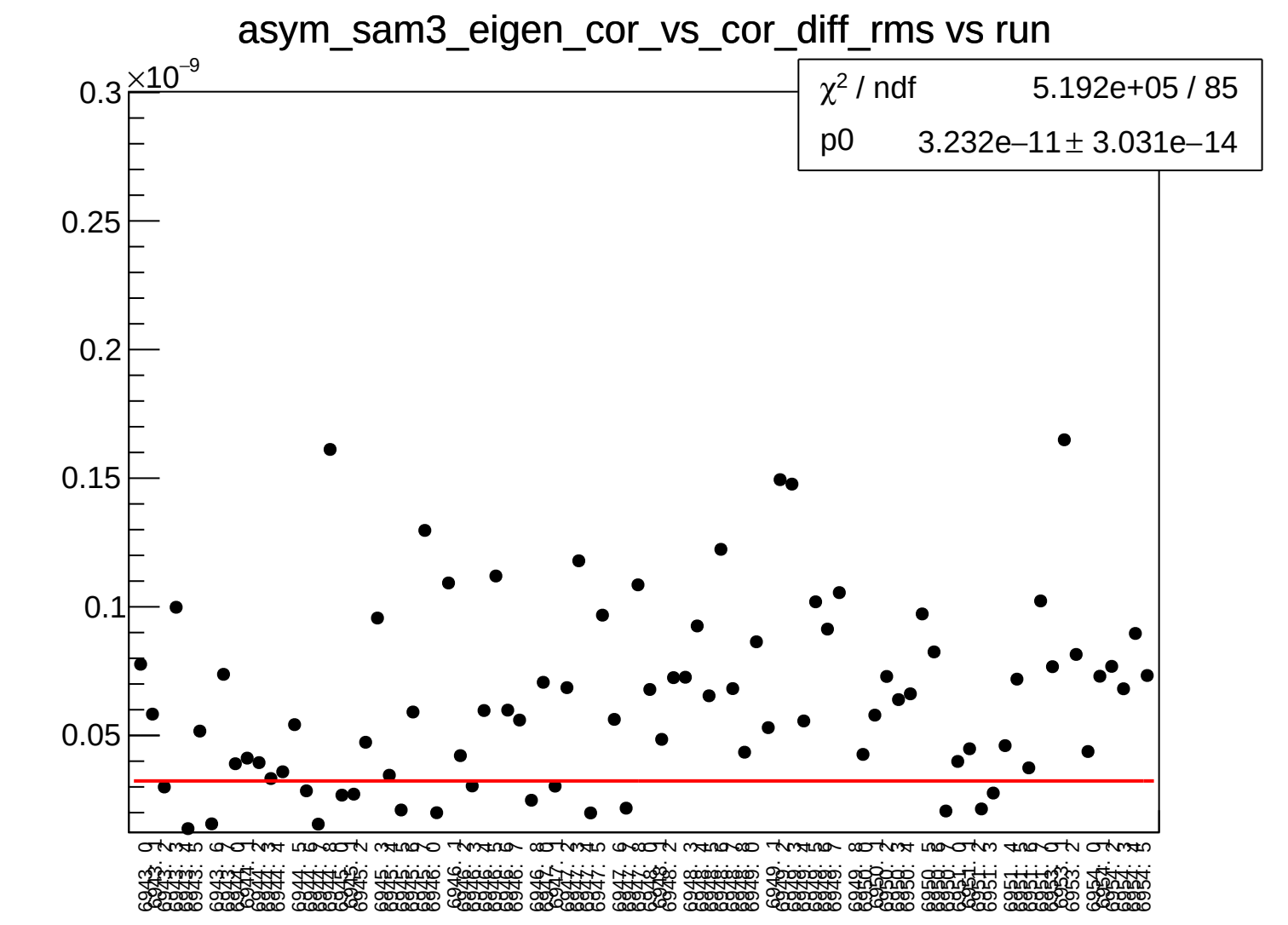

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.588e+05 / 85
p0 65.29 ± 0.05335
160
140
120
100
80
60
40

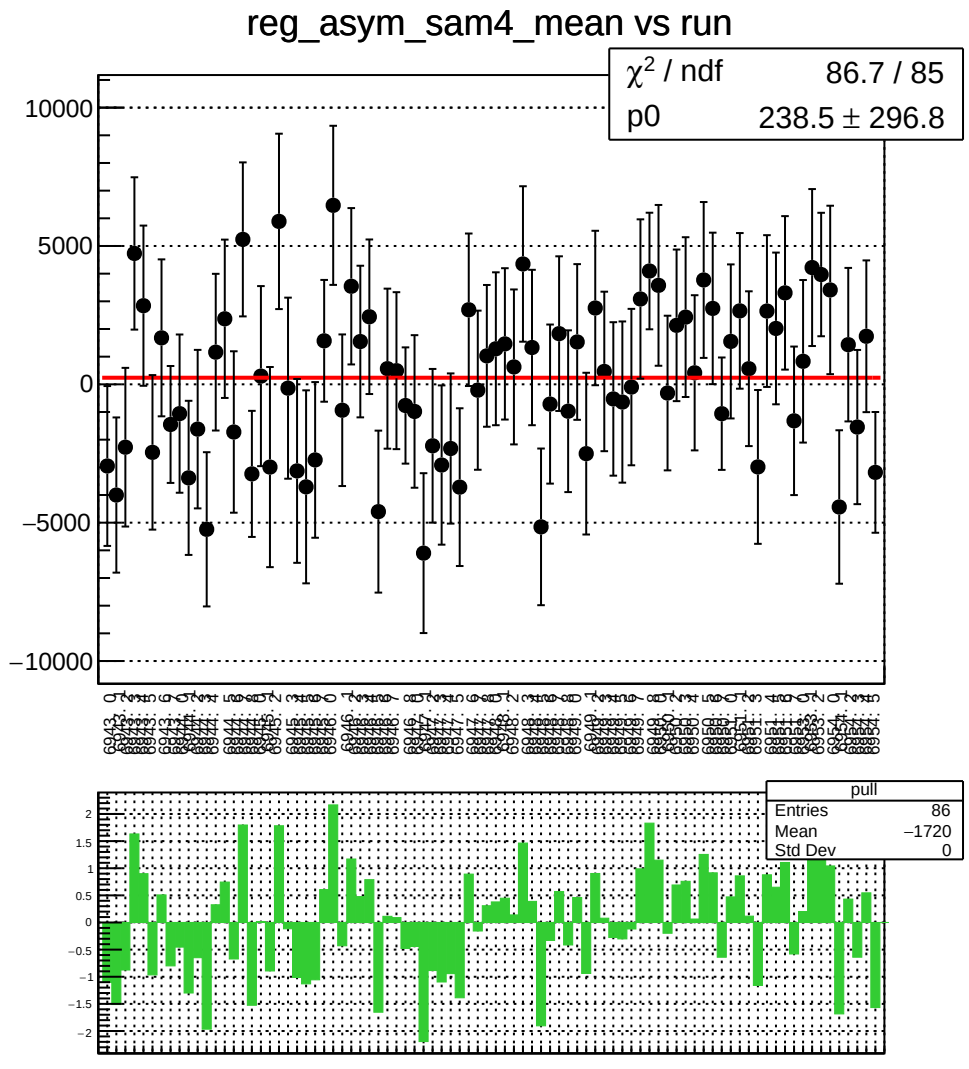

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.15 / 85
p0 0.1917 ± 0.07545
pull
Entries 86
Mean 63.34
Std Dev 0

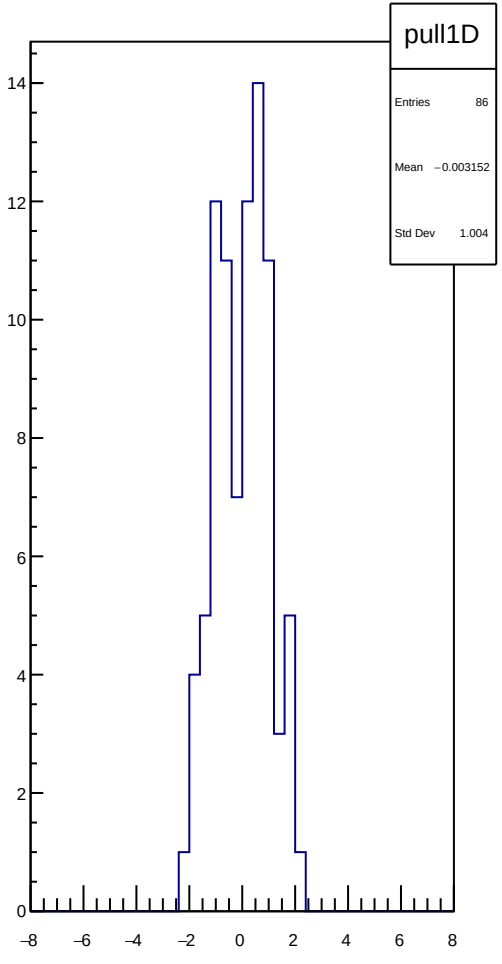

pull1D
Entries 86
Mean 0.05278
Std Dev 1.067

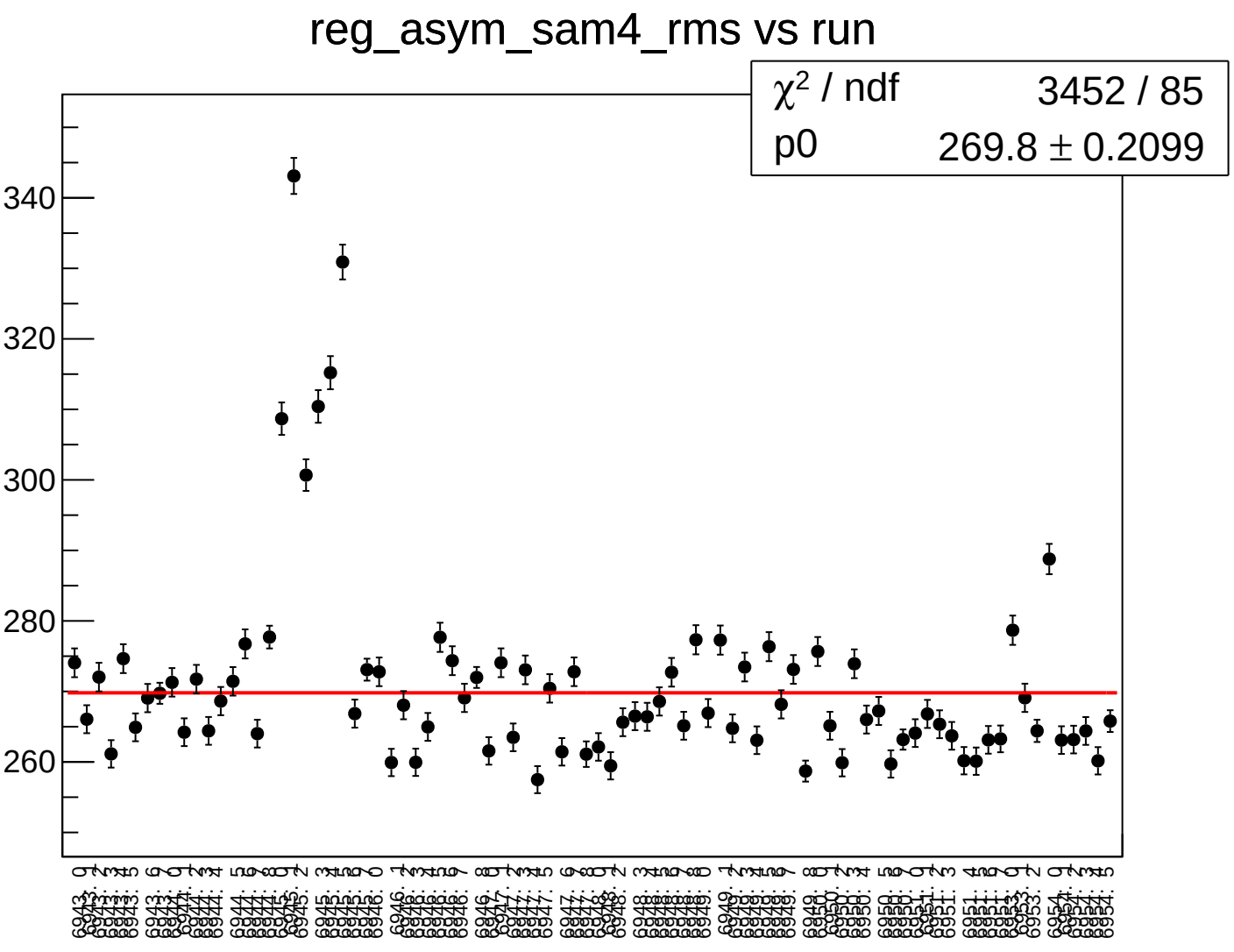

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.588e+05 / 85
p0 65.29 ± 0.05335
160
140
120
100
80
60
40

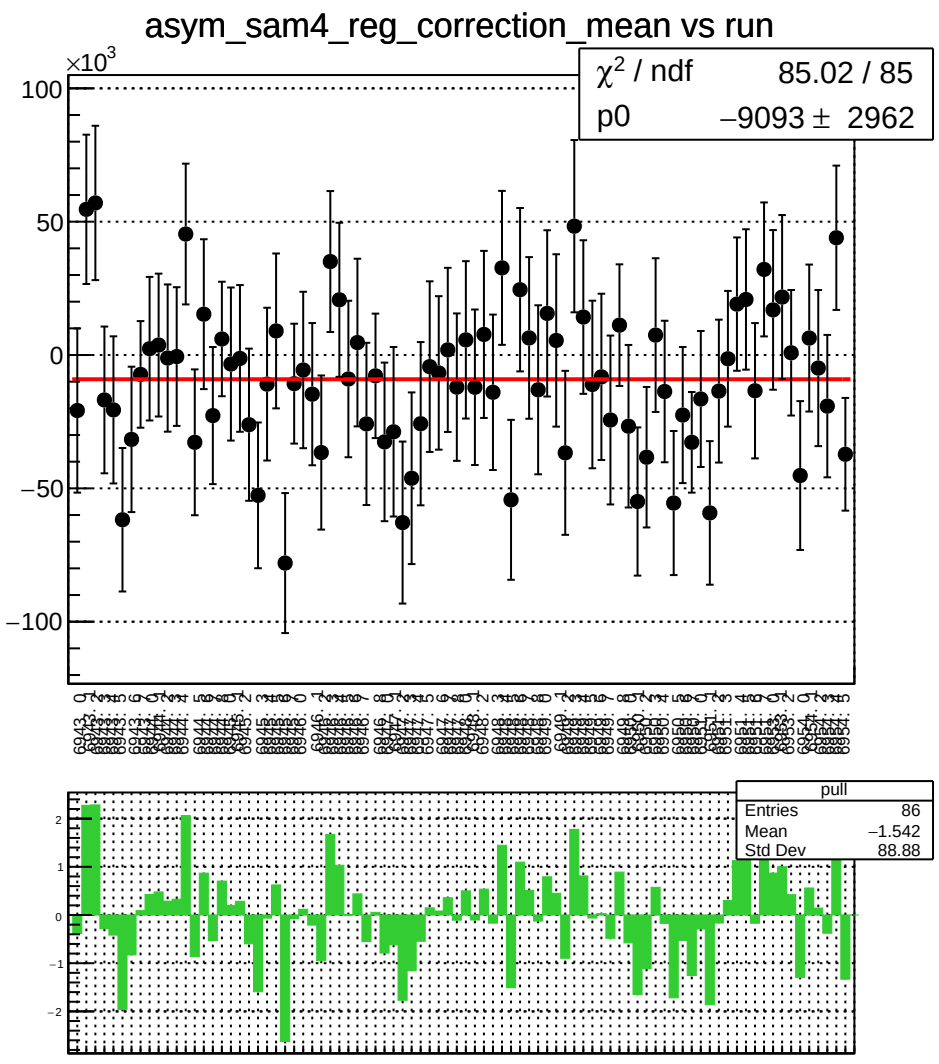

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 105.9 / 85
p0 6.241e−15 ± 4.287e−14
pull
Entries 86
Mean 166.7
Std Dev 0
pull1D
Entries 86
Mean −0.03772
Std Dev 1.109

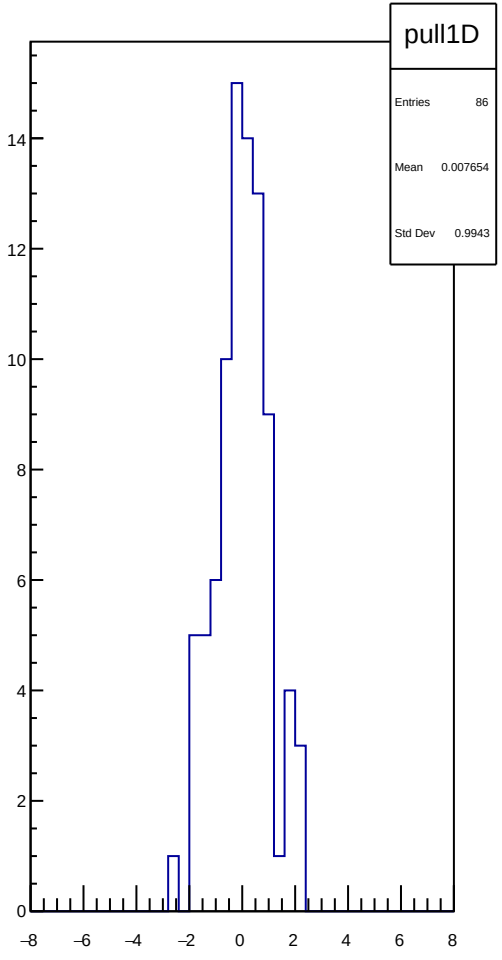

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 5.192e+05 / 85
p0 3.232e−11 ± 3.031e−14

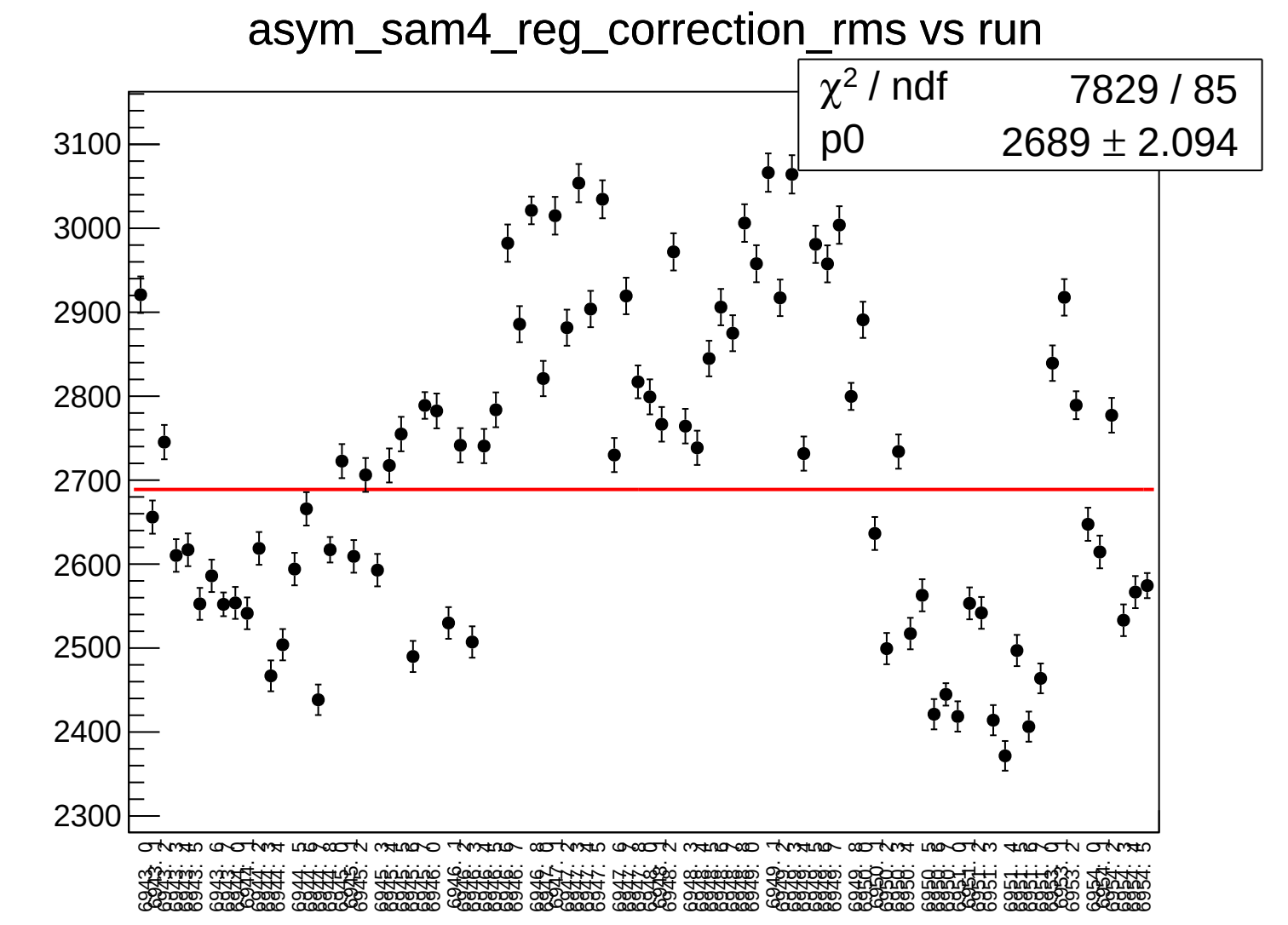

reg_asym_sam4_mean vs run
χ² / ndf 86.7 / 85
p0 238.5 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −1720
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

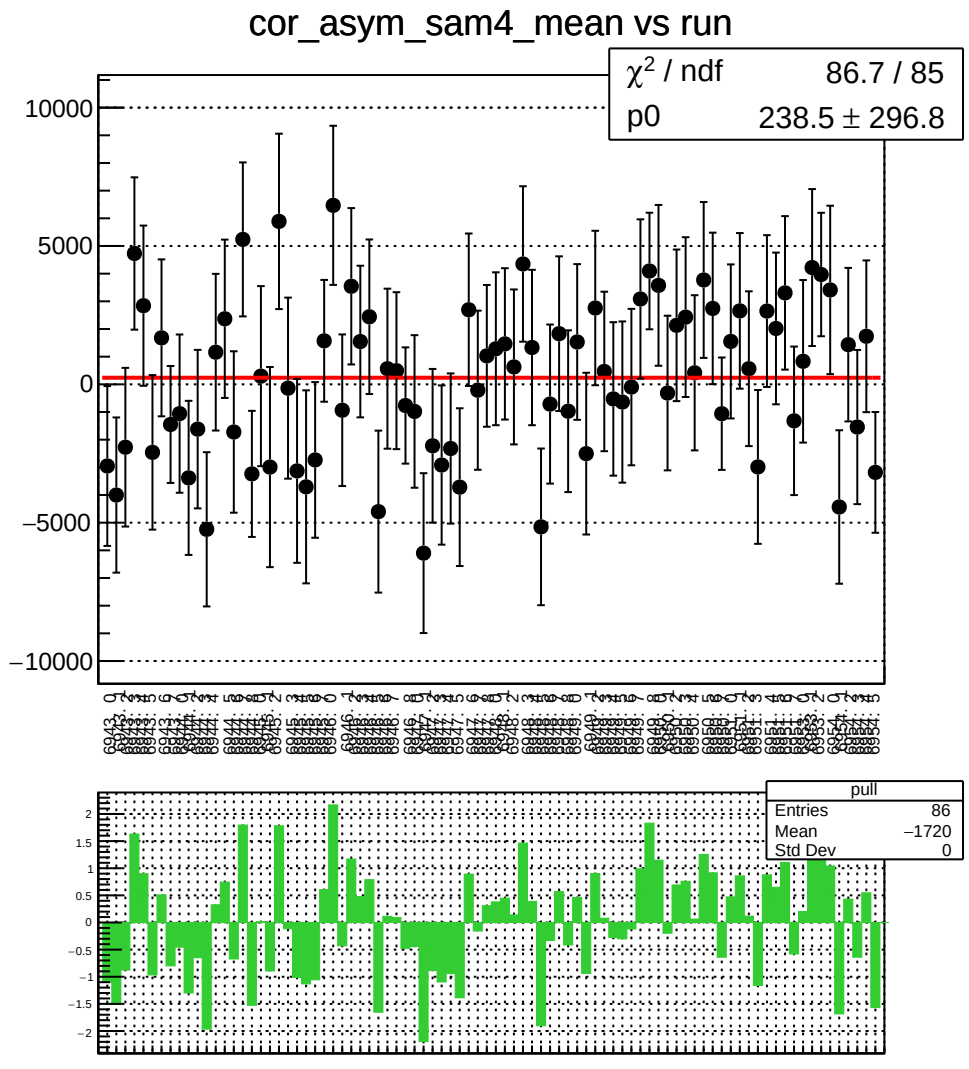

pull1D
Entries 86
Mean −0.003152
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

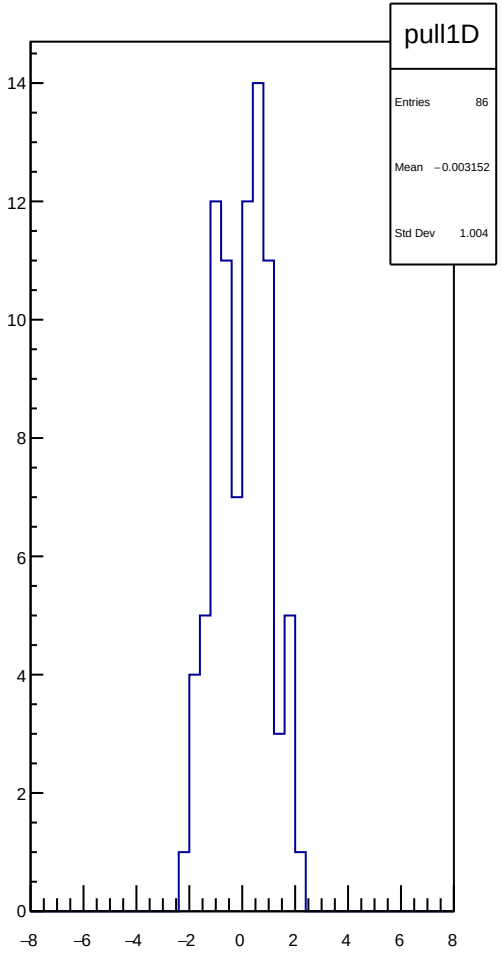

reg_asym_sam4_rms vs run
χ² / ndf 3452 / 85
p0 269.8 ± 0.2099
340
320
300
280
260

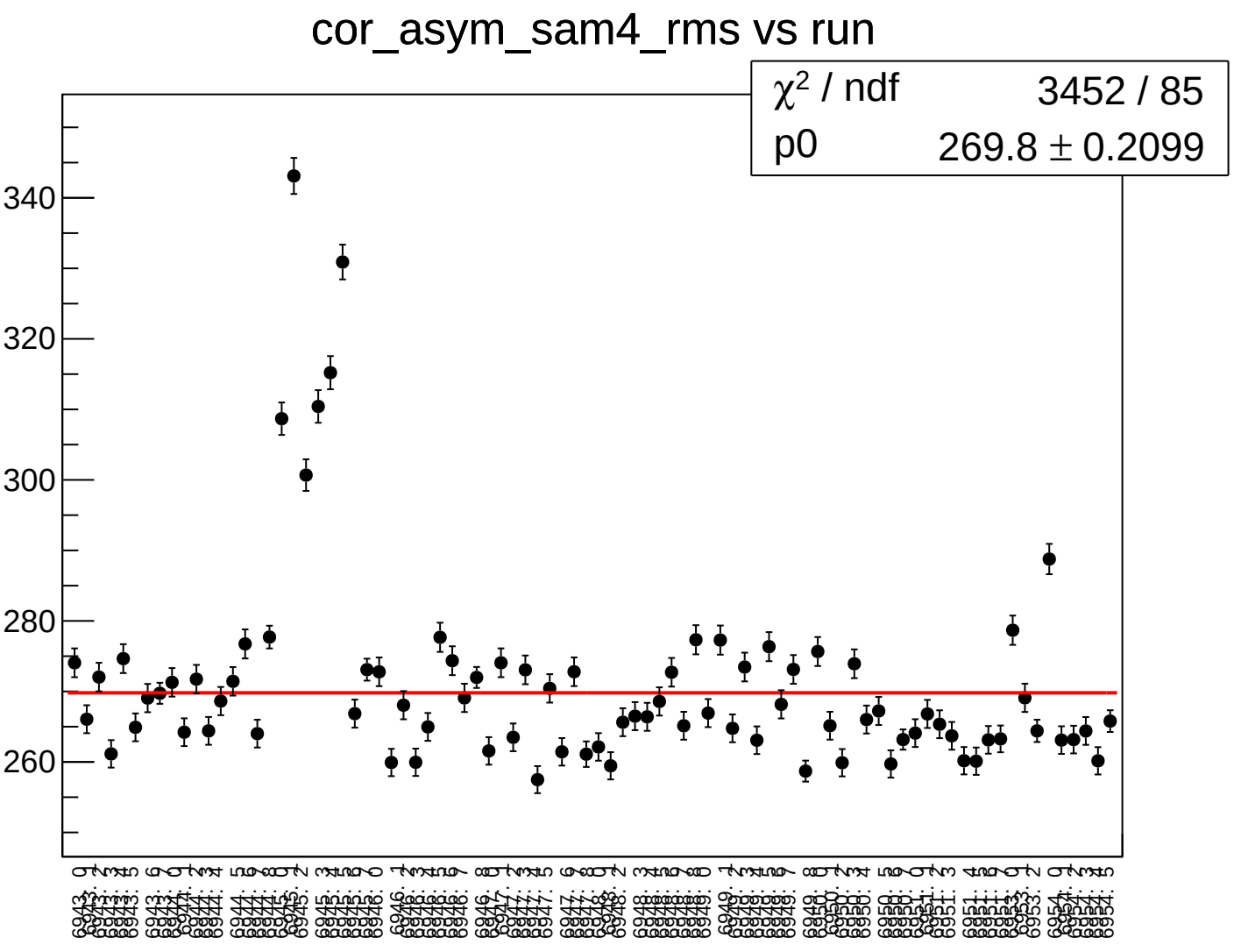

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 85.02 / 85
p0 −9093 ± 2962
pull
Entries 86
Mean −1.542
Std Dev 88.88

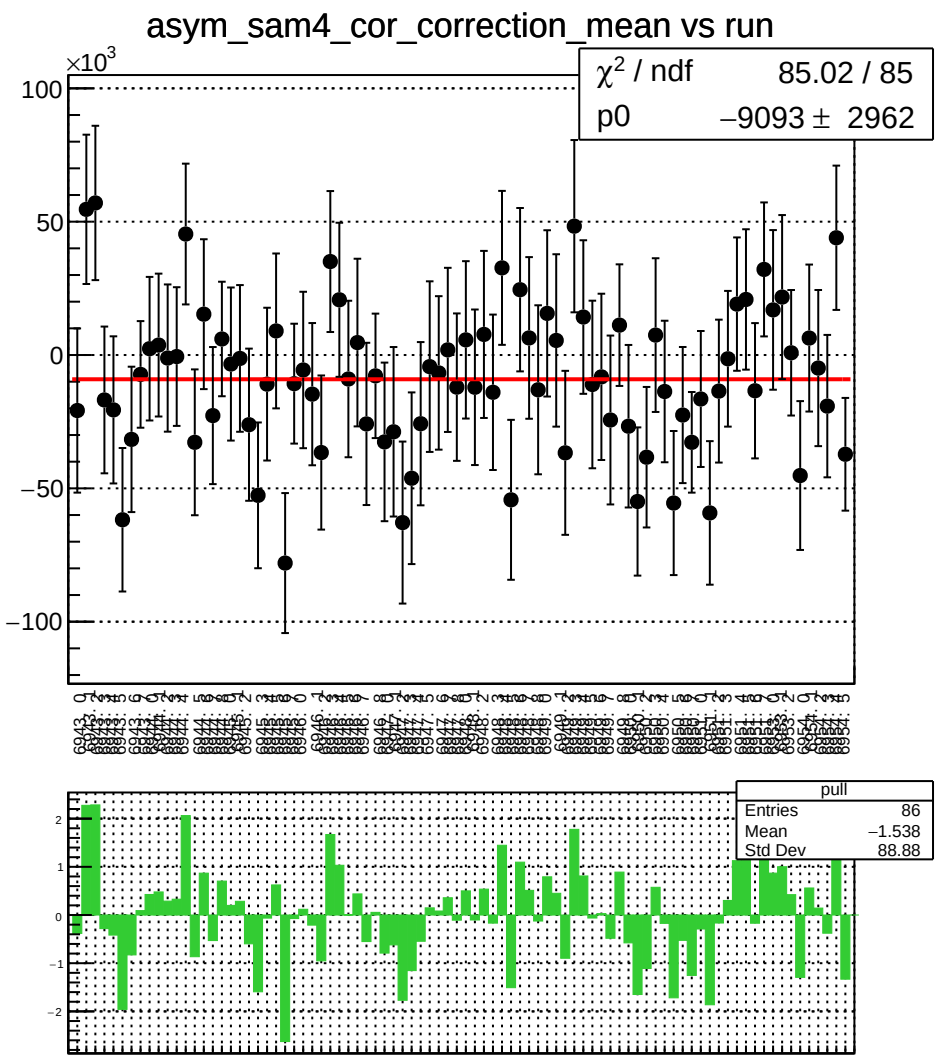

pull1D
Entries 86
Mean 0.007654
Std Dev 0.9943

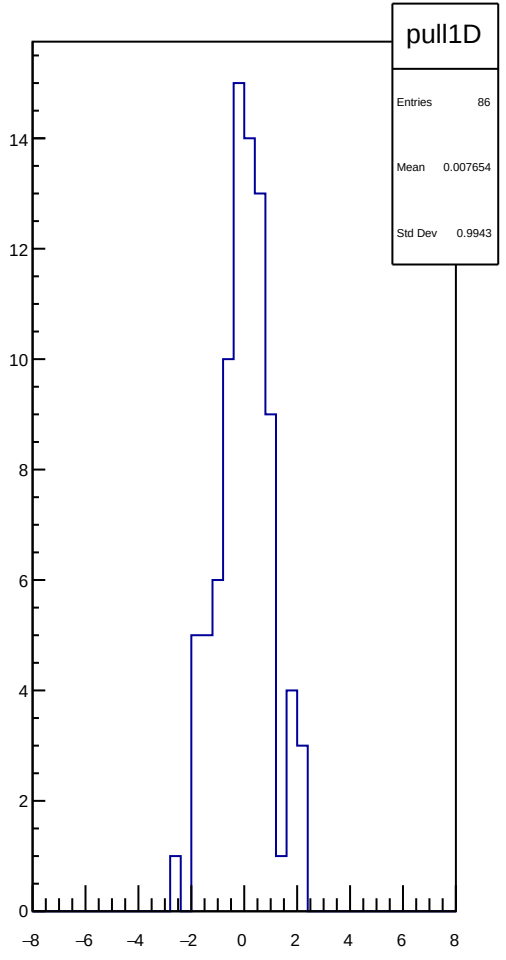

asym_sam4_reg_correction_rms vs run
χ² / ndf 7829 / 85
p0 2689 ± 2.094
3100
3000
2900
2800
2700
2600
2500
2400
2300

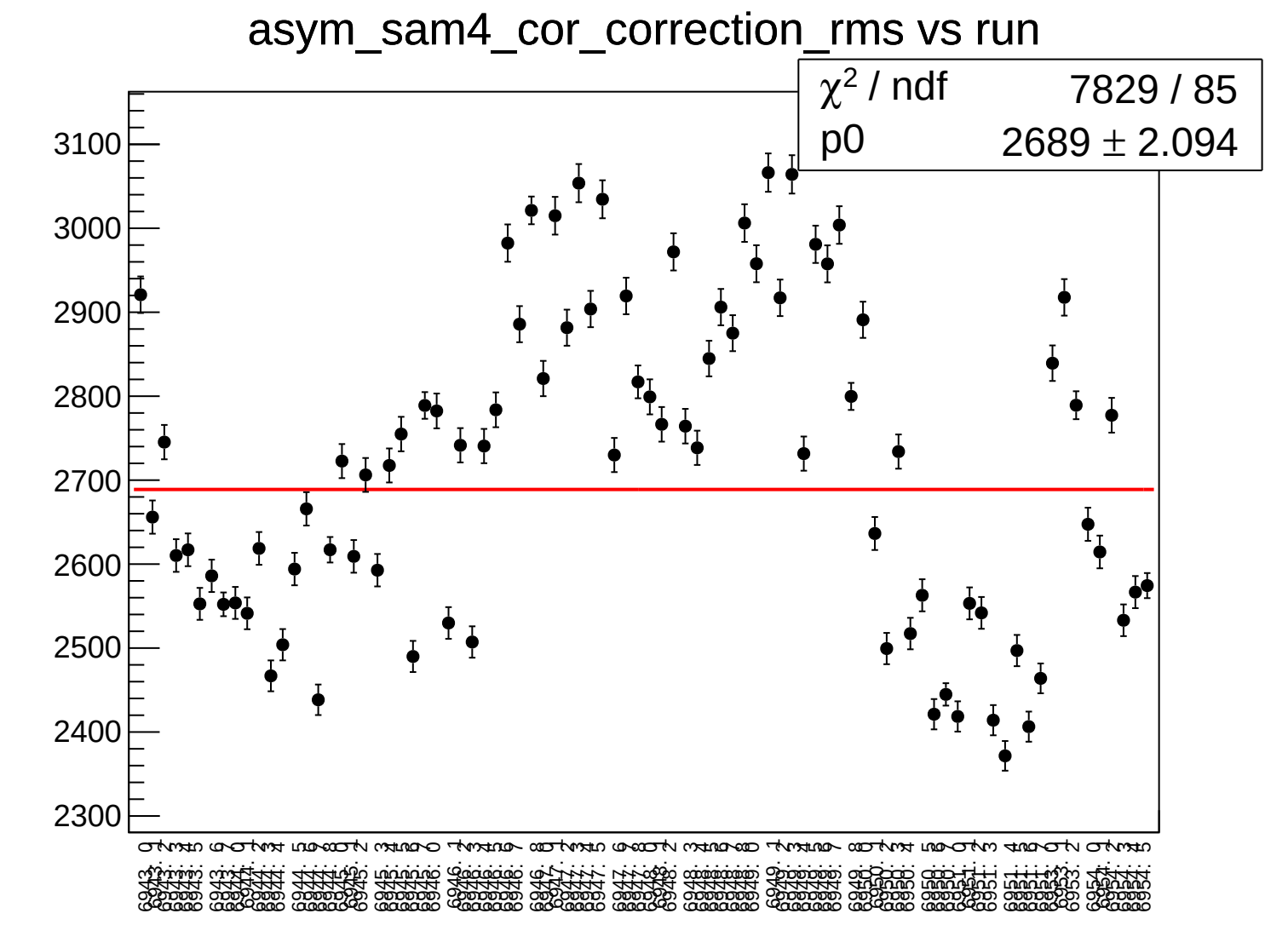

cor_asym_sam4_mean vs run
χ² / ndf 86.7 / 85
p0 238.5 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −1720
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

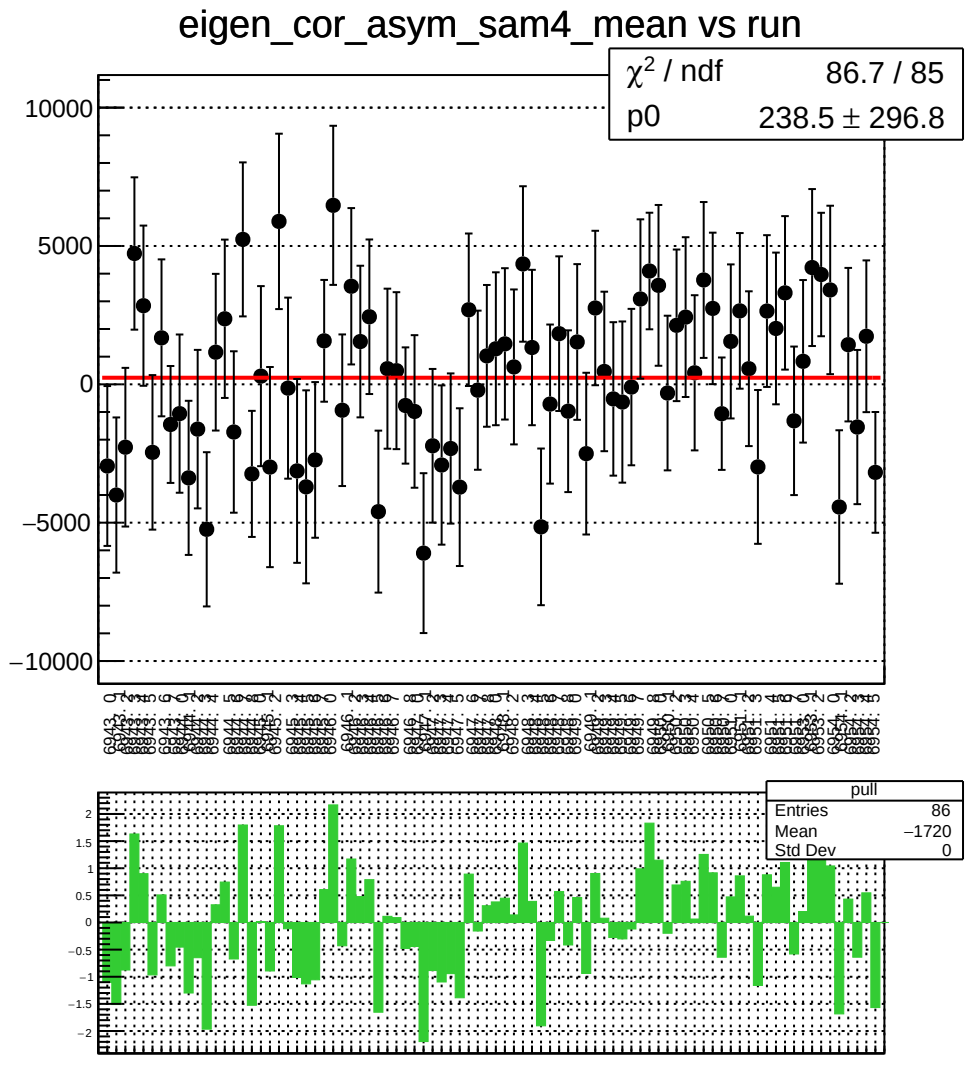

pull1D
Entries 86
Mean −0.003152
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

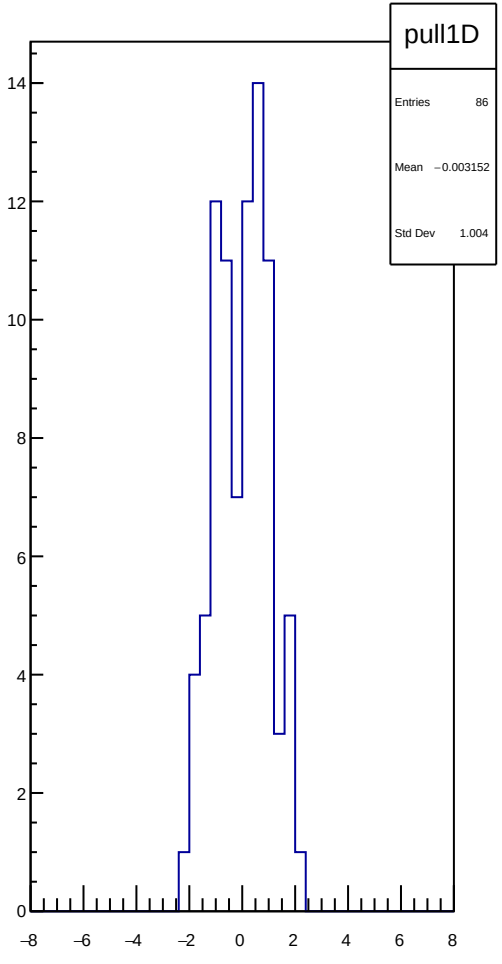

cor_asym_sam4_rms vs run
χ² / ndf 3452 / 85
p0 269.8 ± 0.2099
340
320
300
280
260

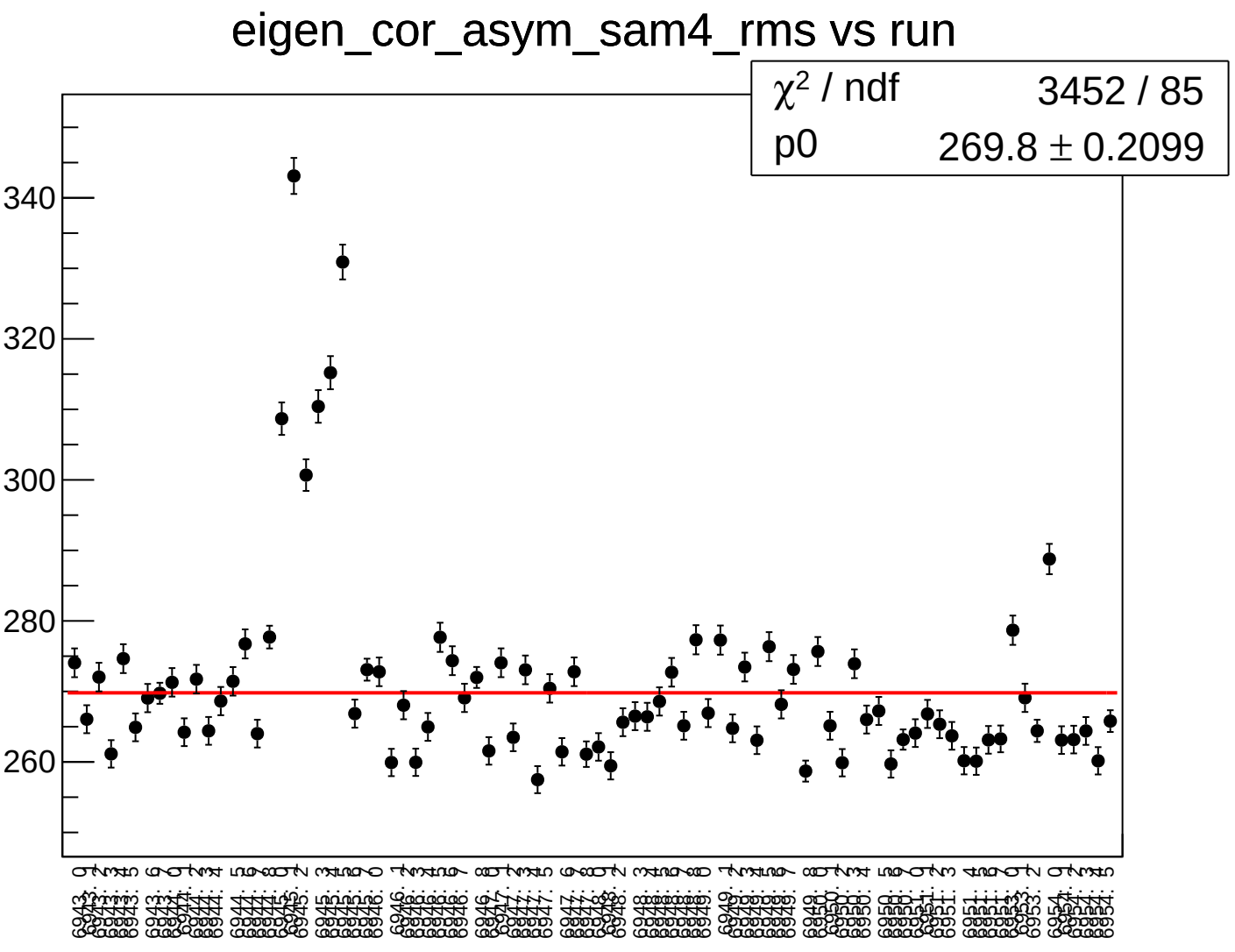

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 85.02 / 85
p0 −9093 ± 2962
100
50
0
−50
−100
pull
Entries 86
Mean −1.538
Std Dev 88.88
2
1
0
−1
−2

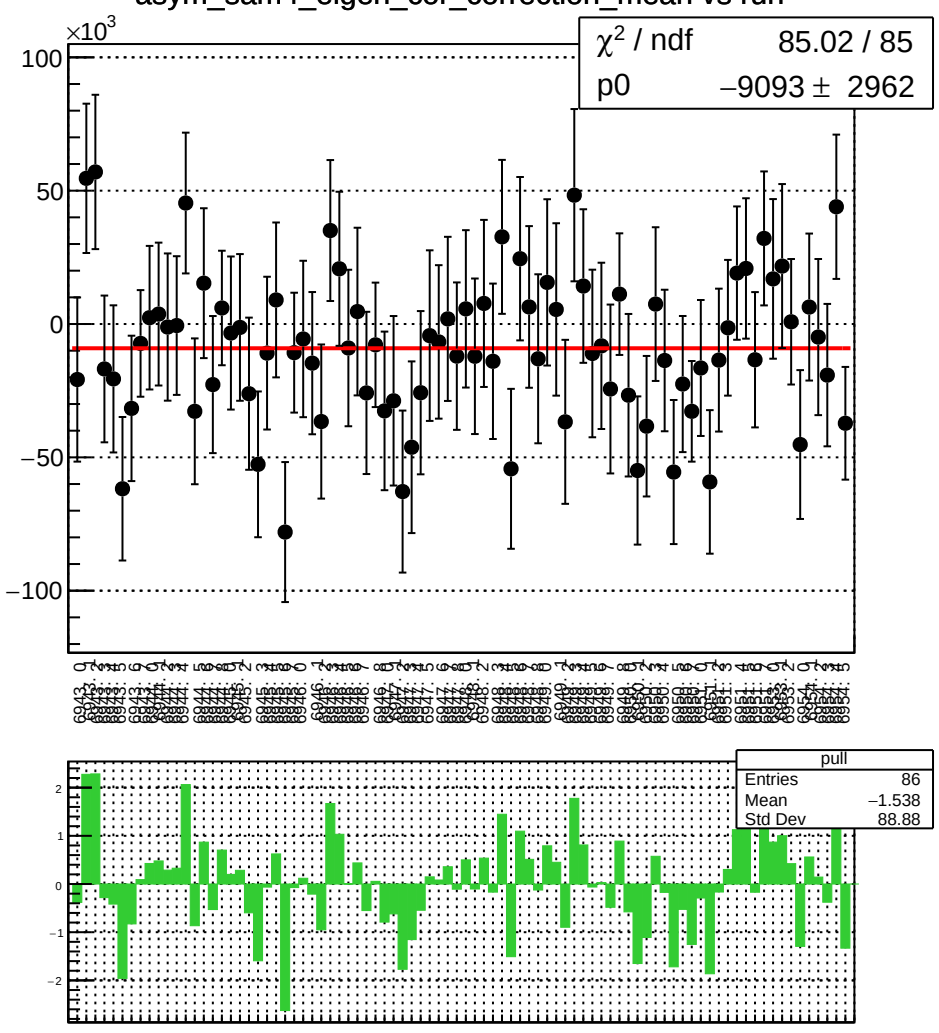

pull1D
Entries 86
Mean 0.007654
Std Dev 0.9943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

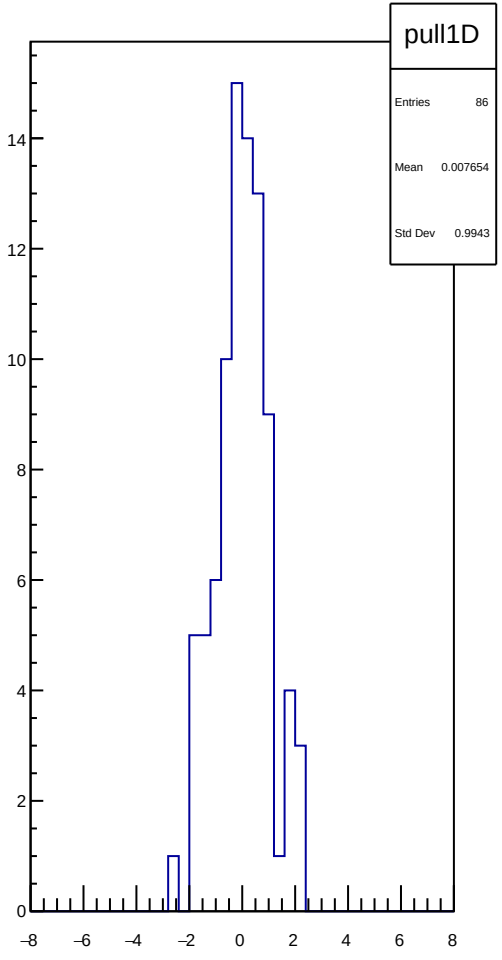

asym_sam4_cor_correction_rms vs run
χ² / ndf 7829 / 85
p0 2689 ± 2.094
3100
3000
2900
2800
2700
2600
2500
2400
2300

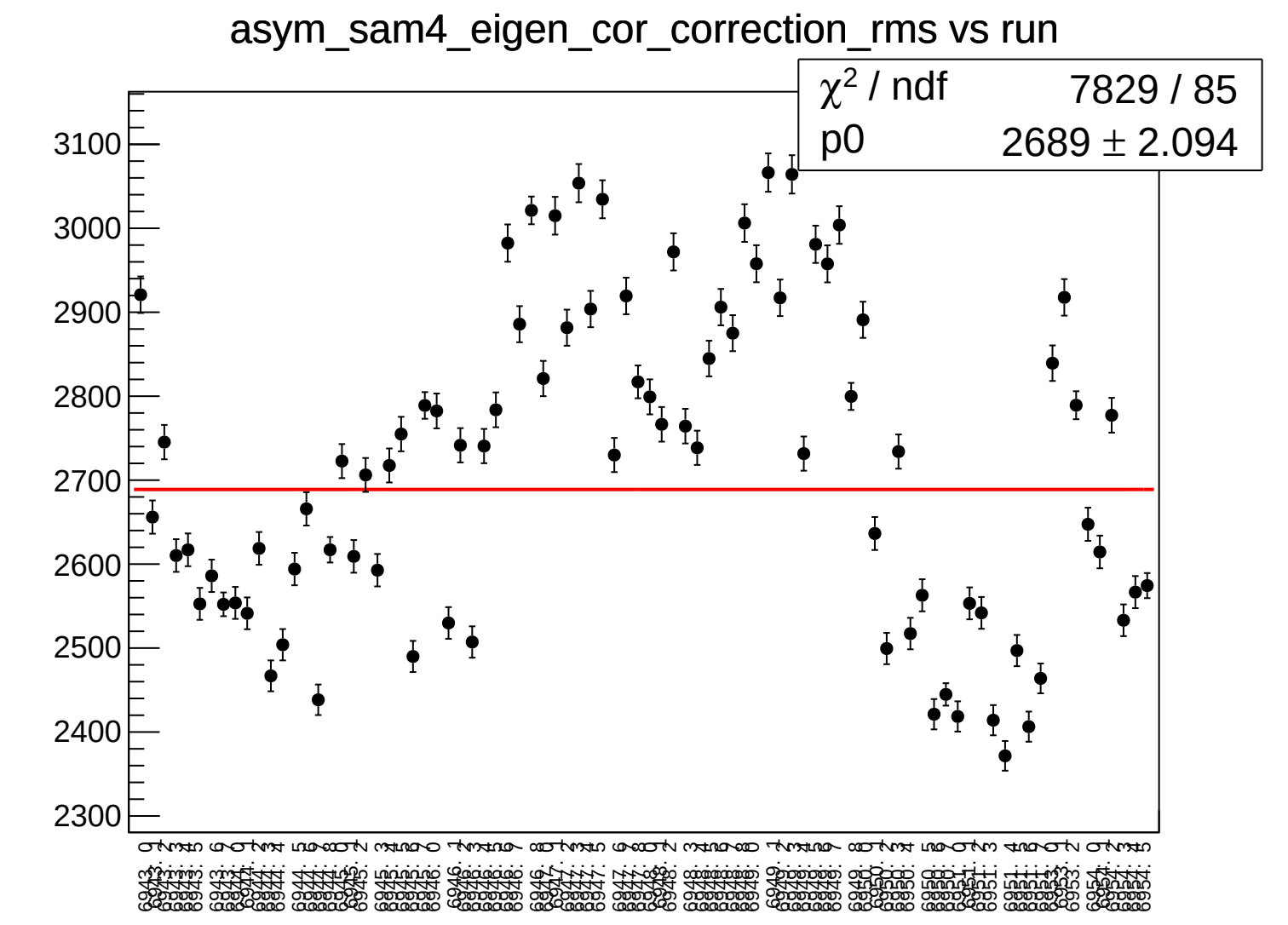

eigen_cor_asym_sam4_mean vs run
χ² / ndf 86.7 / 85
p0 238.5 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −1720
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

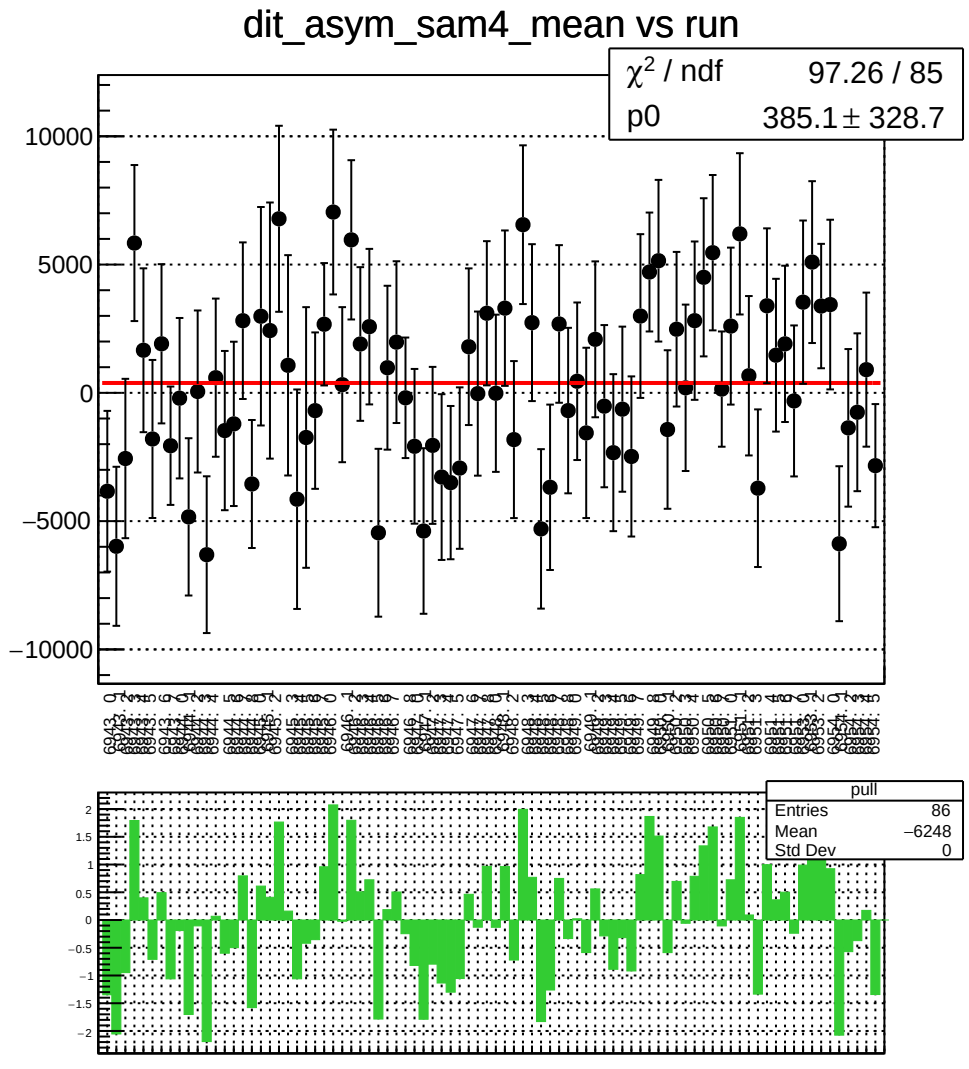

pull1D
Entries 86
Mean −0.003152
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

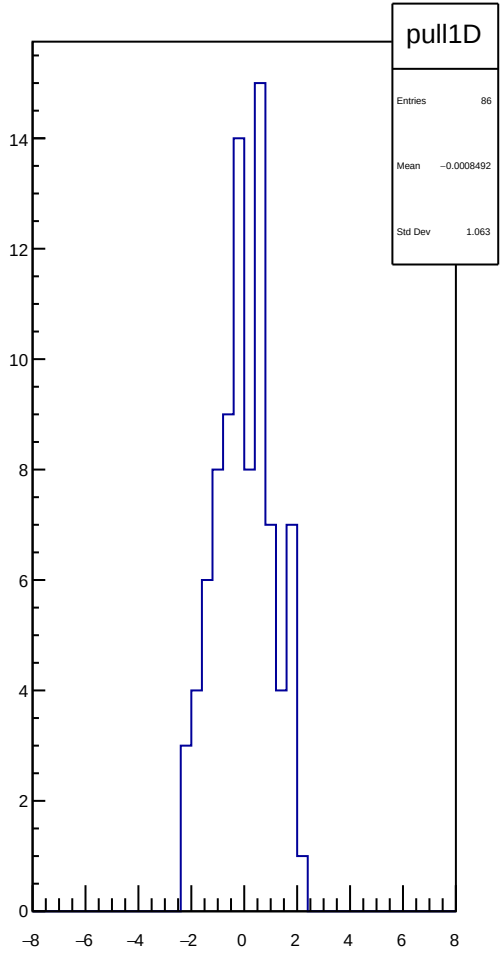

eigen_cor_asym_sam4_rms vs run
χ² / ndf 3452 / 85
p0 269.8 ± 0.2099
340
320
300
280
260

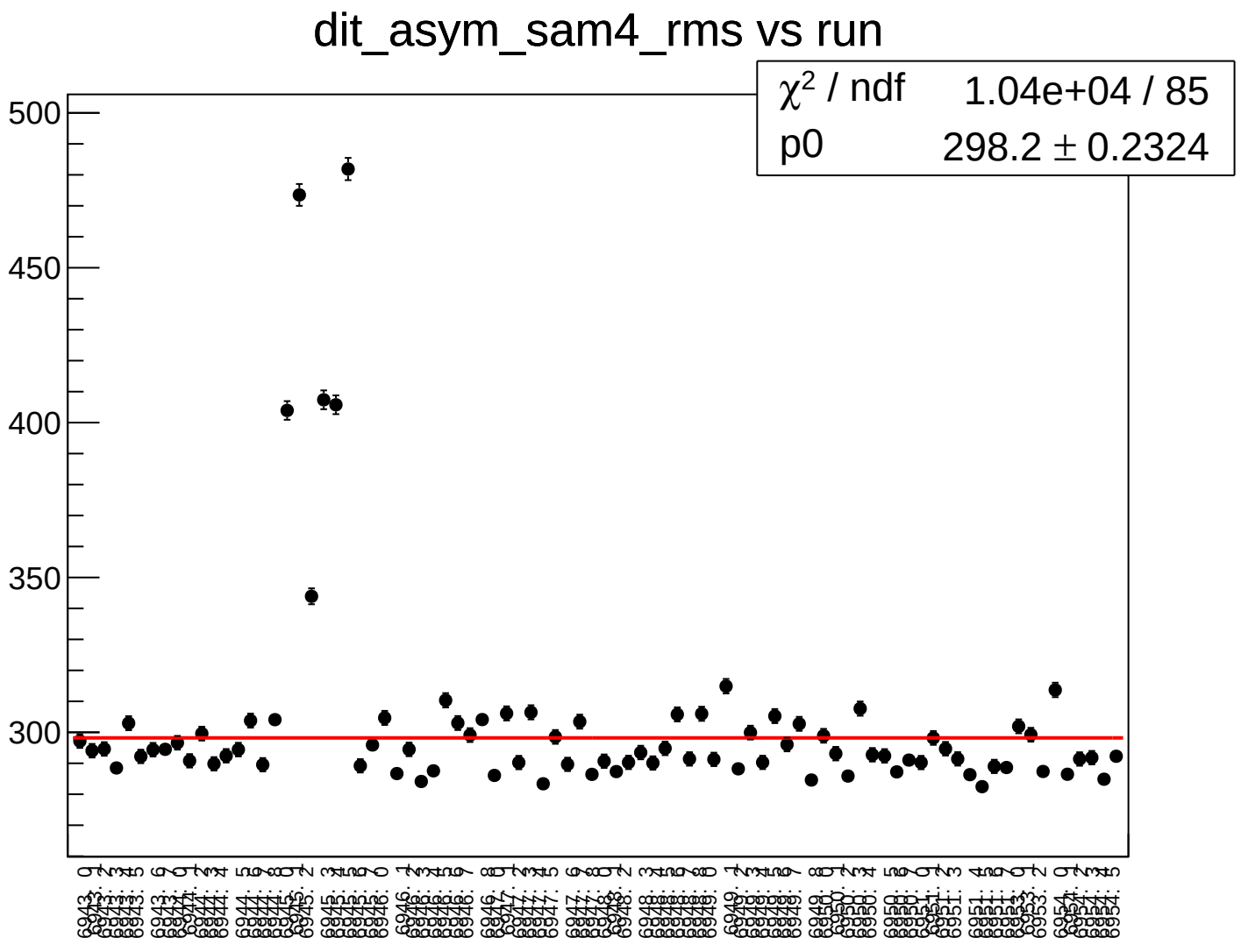

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 85.02 / 85
p0 −9093 ± 2962
pull
Entries 86
Mean −1.538
Std Dev 88.88

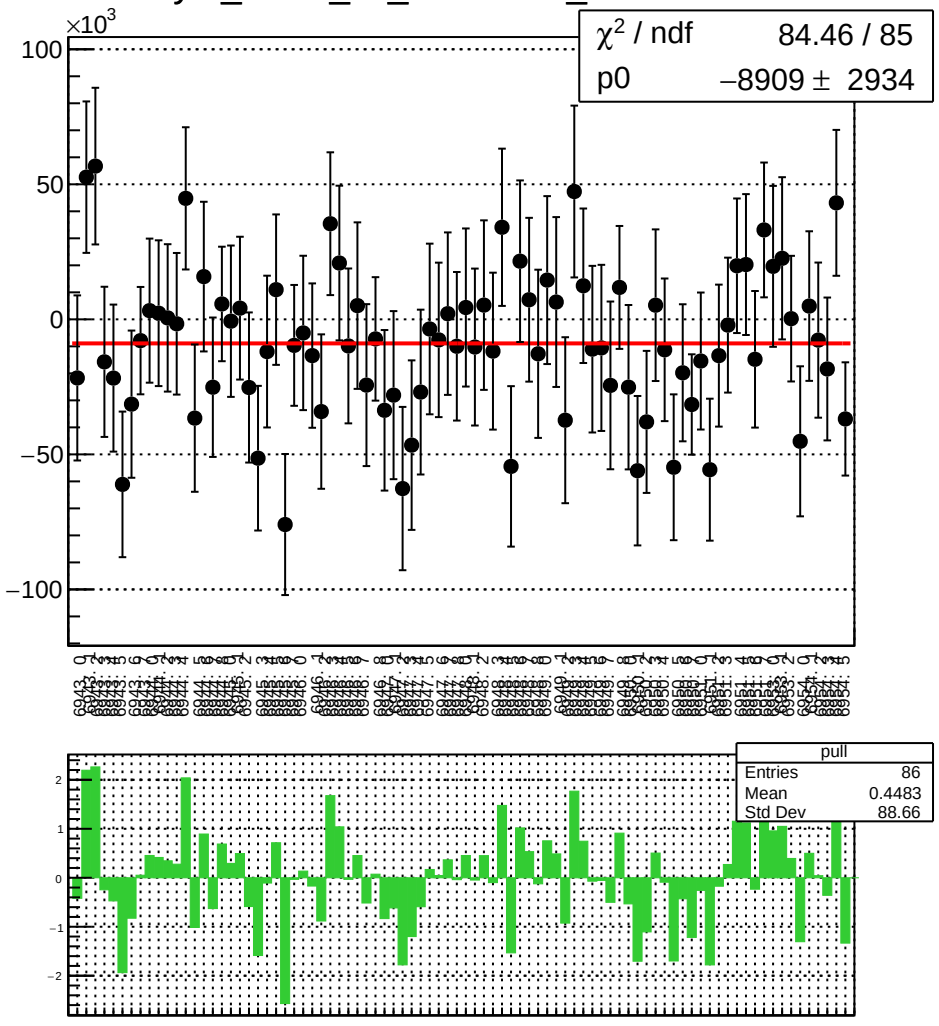

pull1D
Entries 86
Mean 0.007654
Std Dev 0.9943

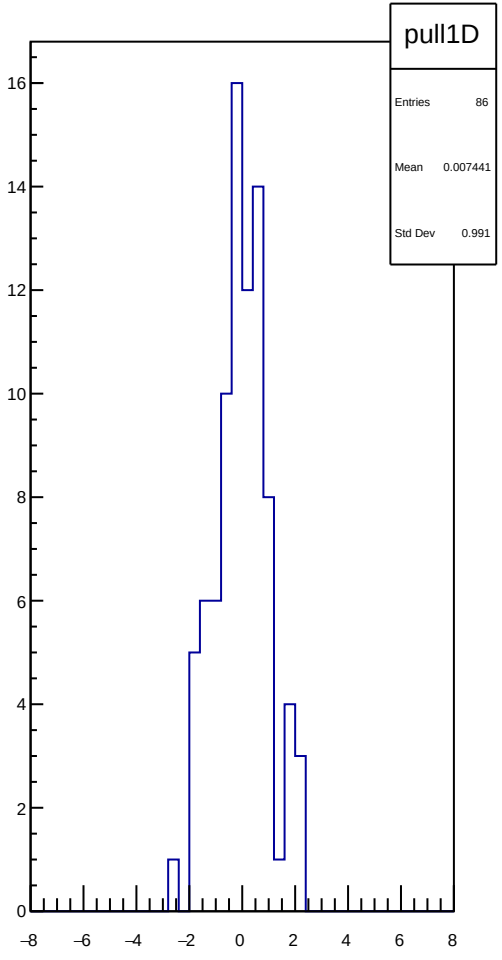

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 7829 / 85
p0 2689 ± 2.094
3100
3000
2900
2800
2700
2600
2500
2400
2300

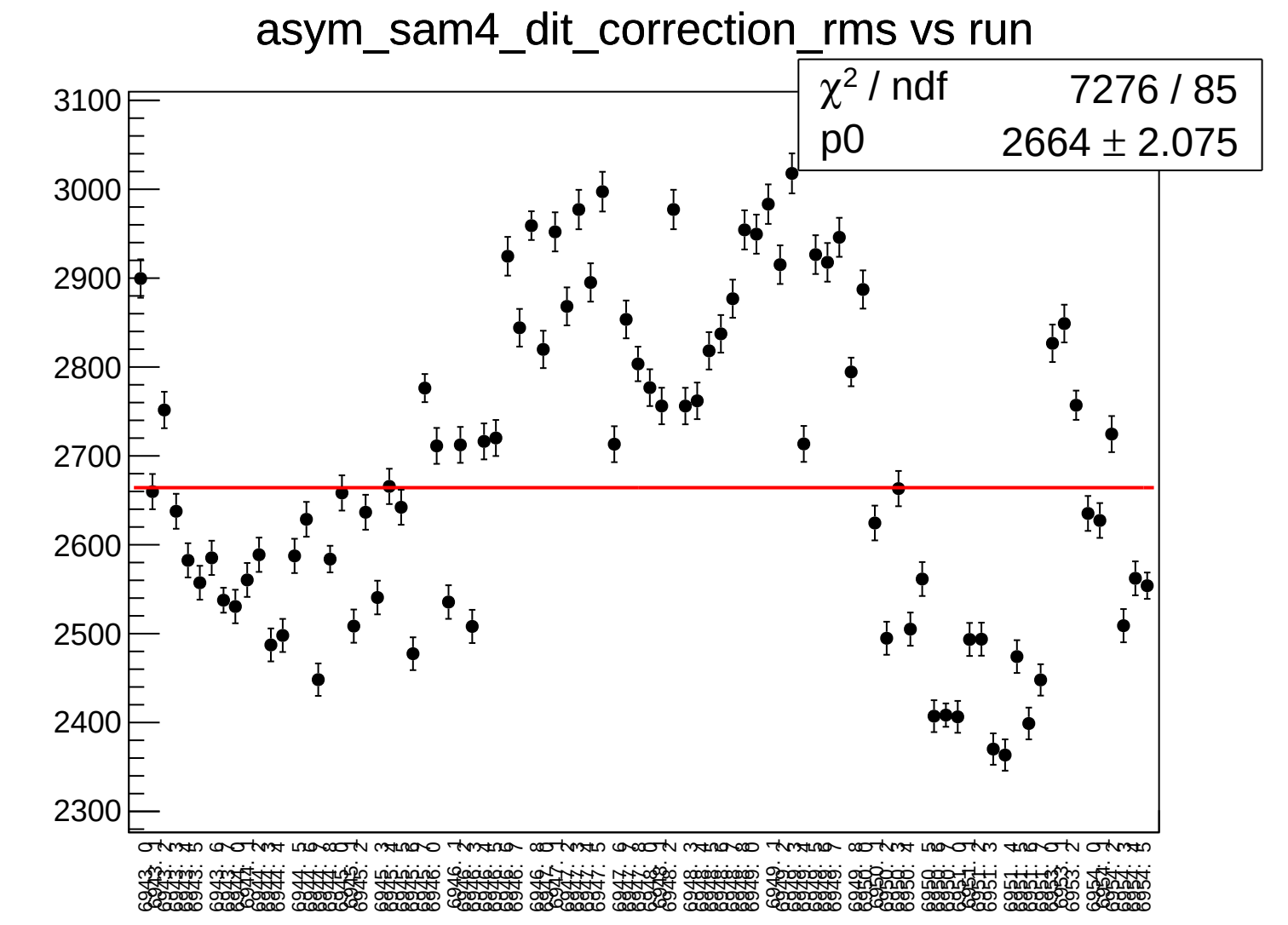

dit_asym_sam4_mean vs run
χ² / ndf 97.26 / 85
p0 385.1 ± 328.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −6248
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

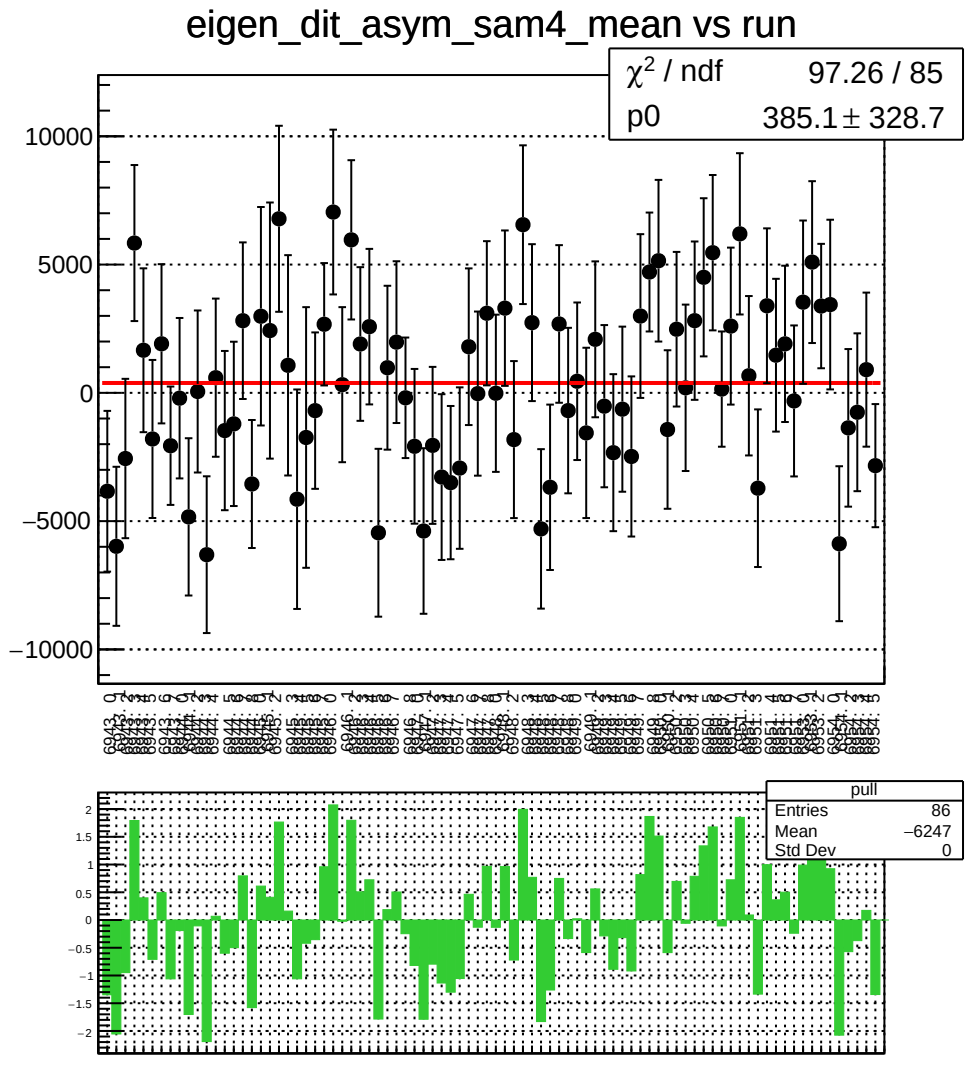

pull1D
Entries 86
Mean −0.0008492
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

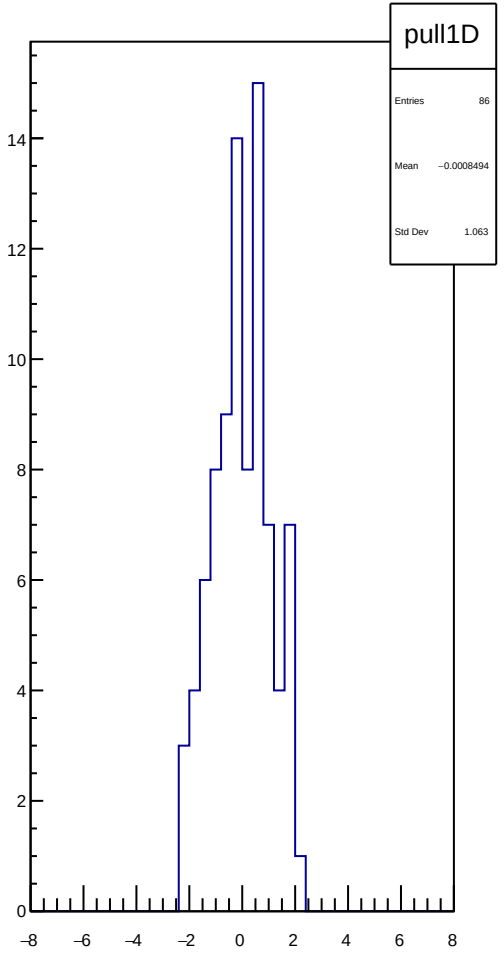

dit_asym_sam4_rms vs run
χ² / ndf 1.04e+04 / 85
p0 298.2 ± 0.2324
500
450
400
350
300

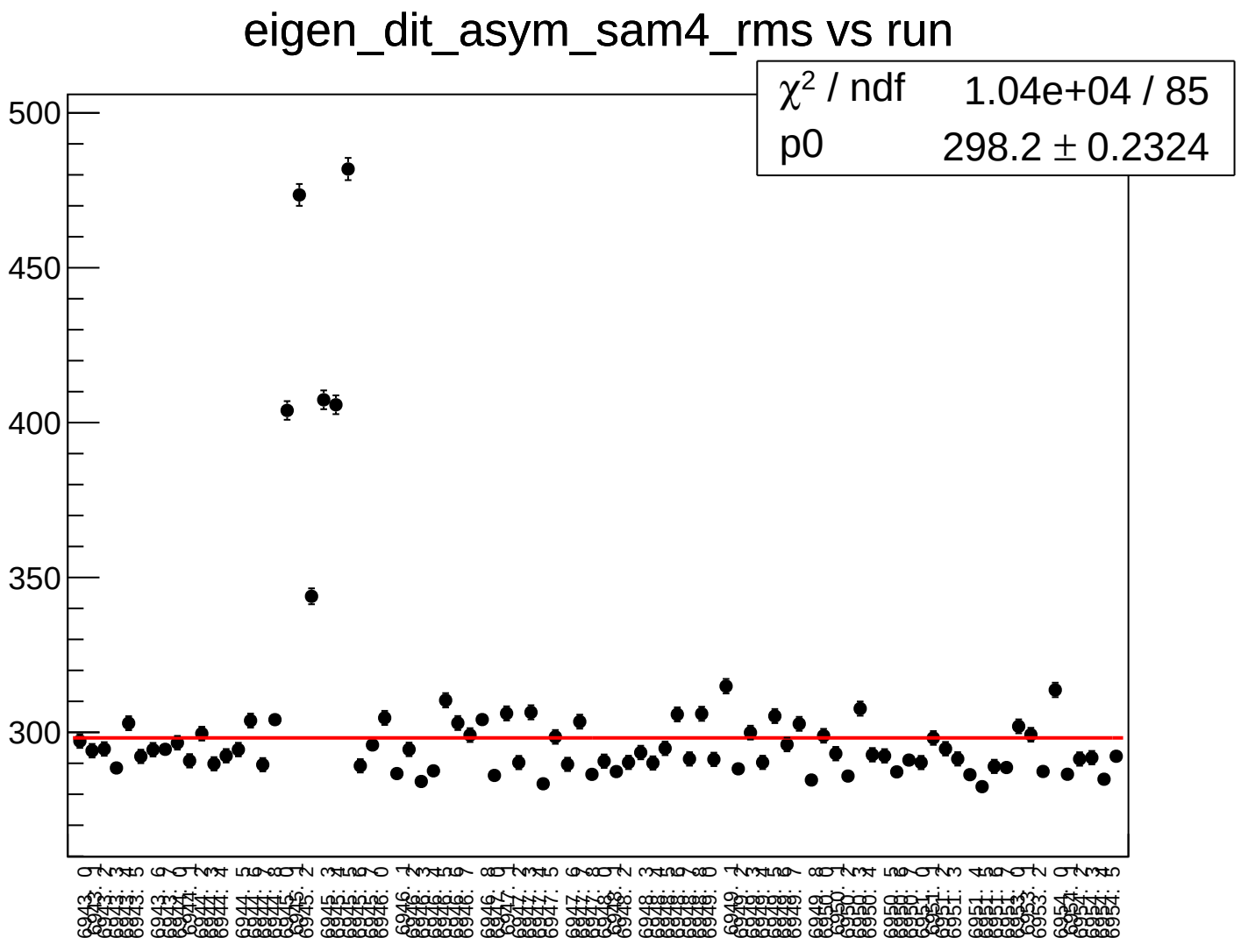

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 84.46 / 85
p0 −8909 ± 2934
pull
Entries 86
Mean 0.4483
Std Dev 88.66

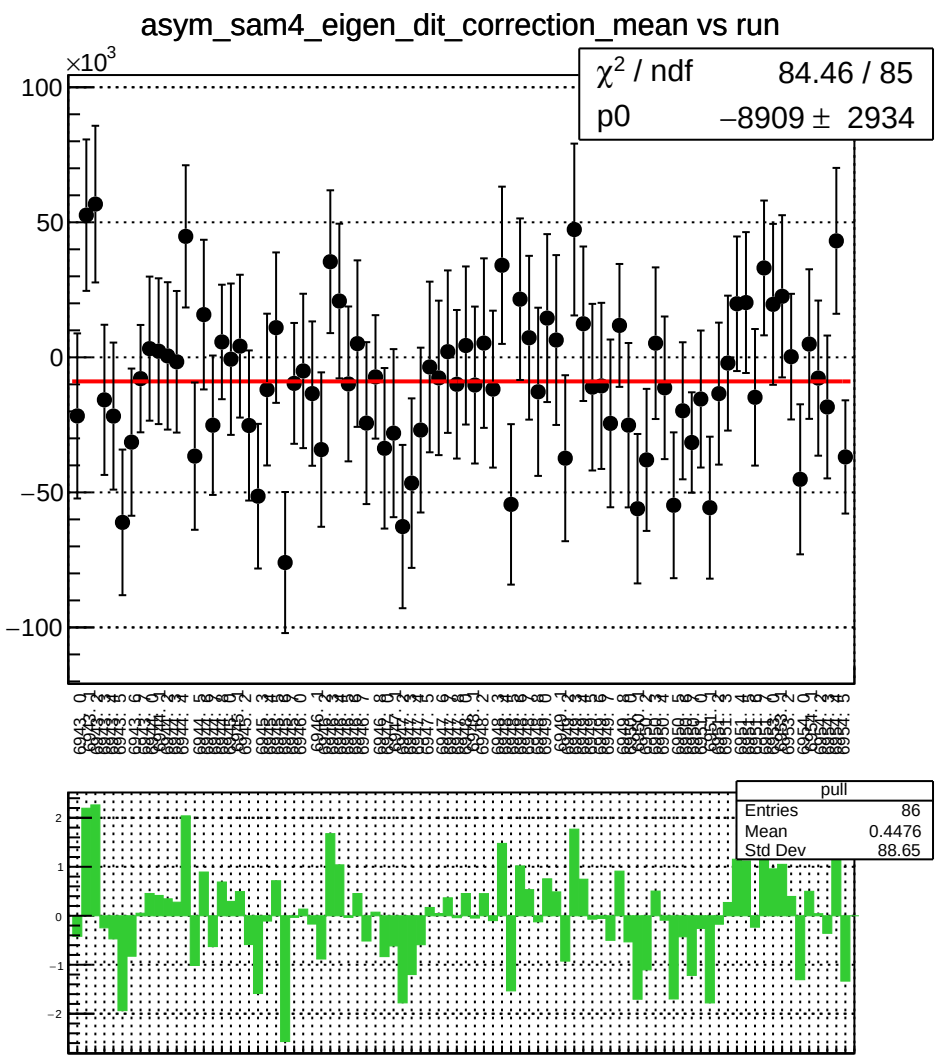

pull1D
Entries 86
Mean 0.007441
Std Dev 0.991

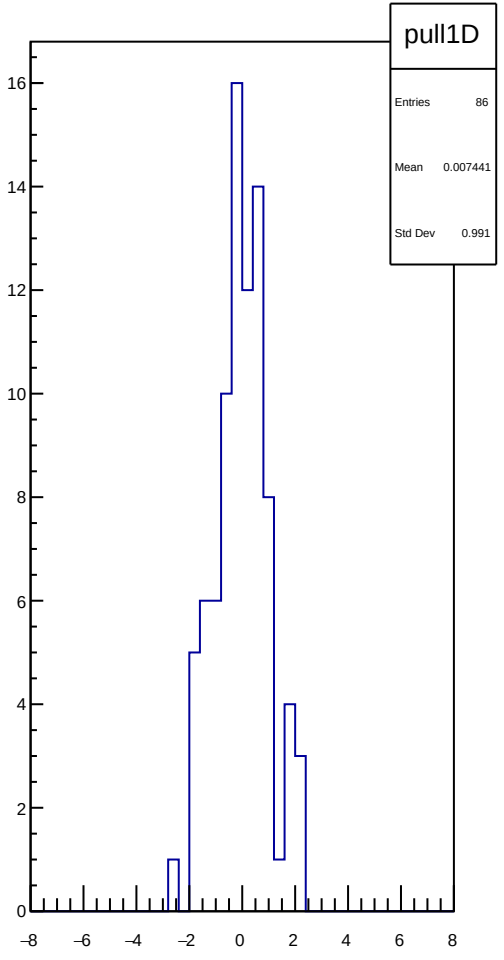

asym_sam4_dit_correction_rms vs run
χ² / ndf 7276 / 85
p0 2664 ± 2.075
3100
3000
2900
2800
2700
2600
2500
2400
2300

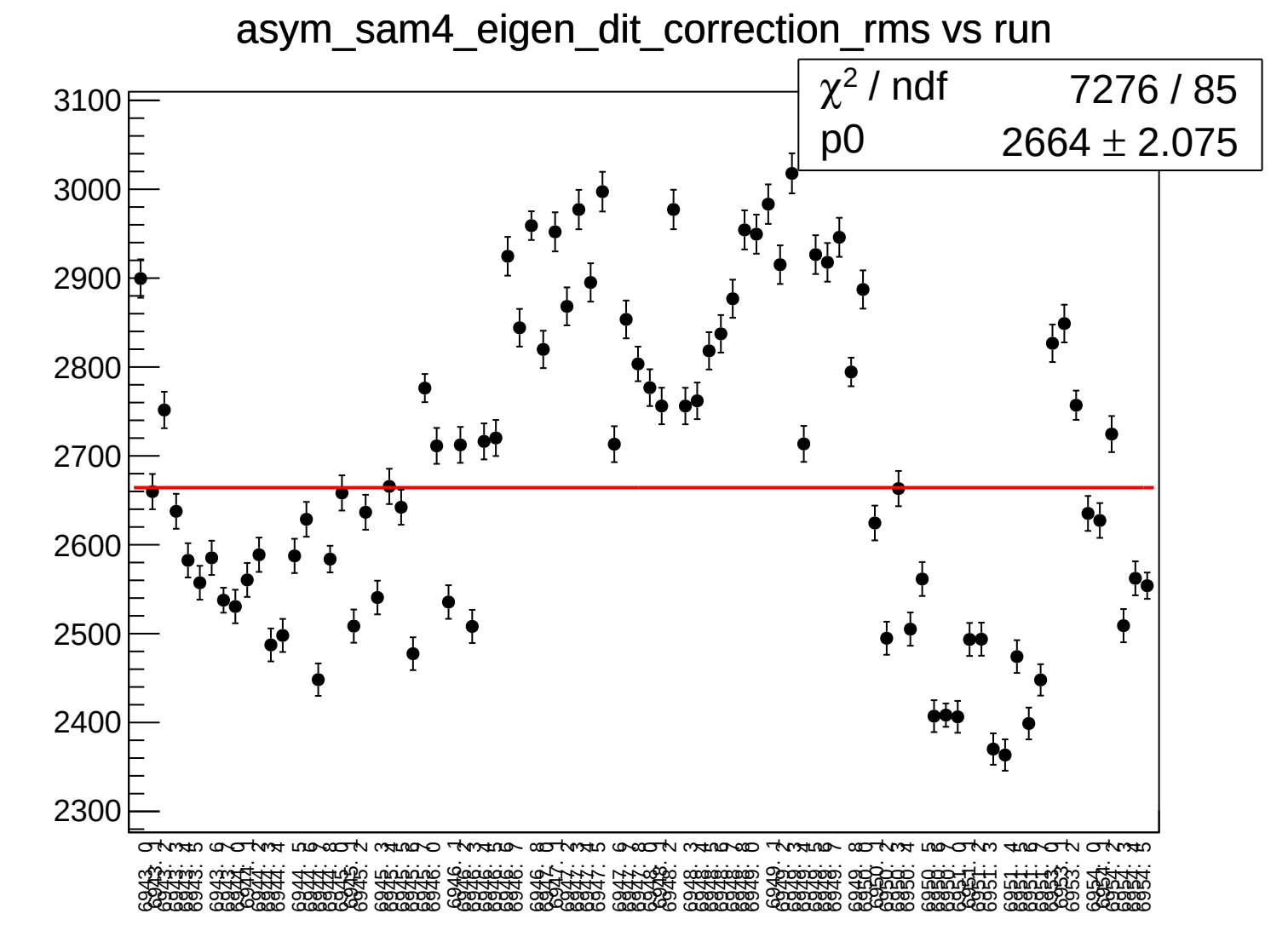

eigen_dit_asym_sam4_mean vs run
χ² / ndf 97.26 / 85
p0 385.1 ± 328.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −6247
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

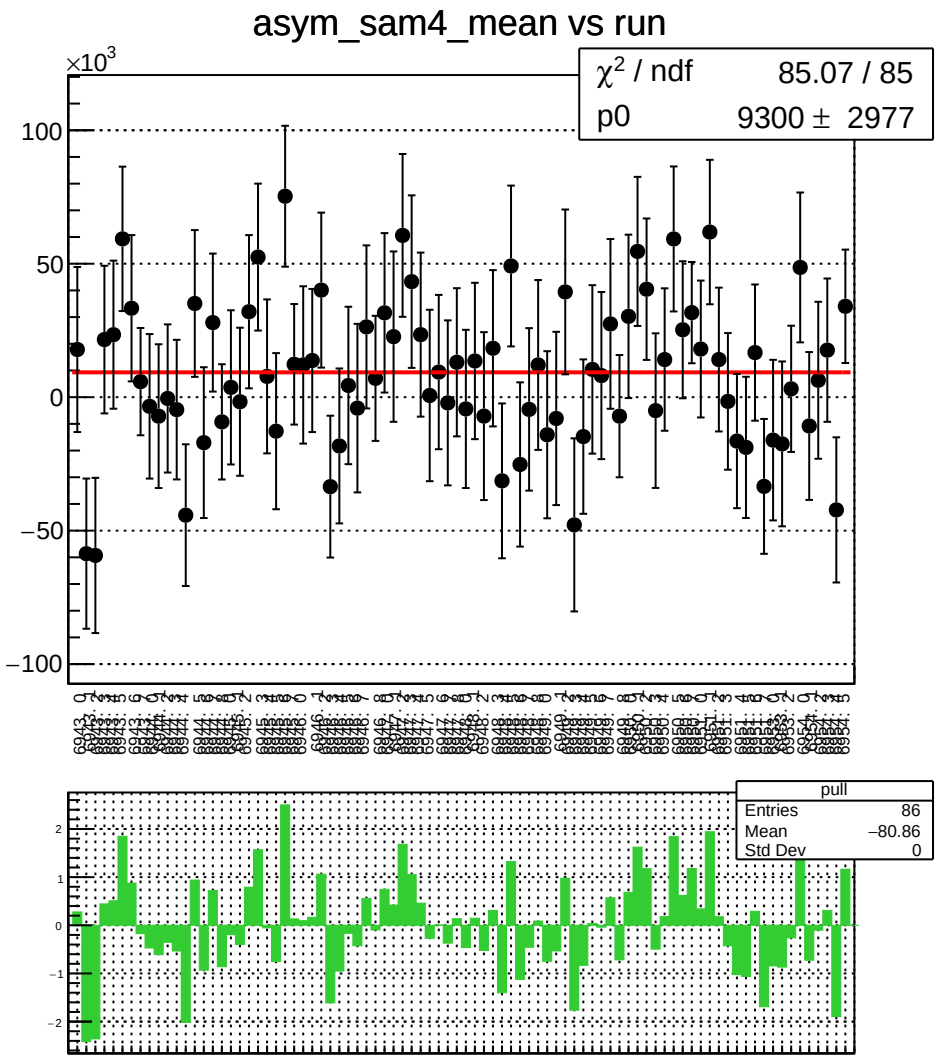

pull1D
Entries 86
Mean −0.0008494
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

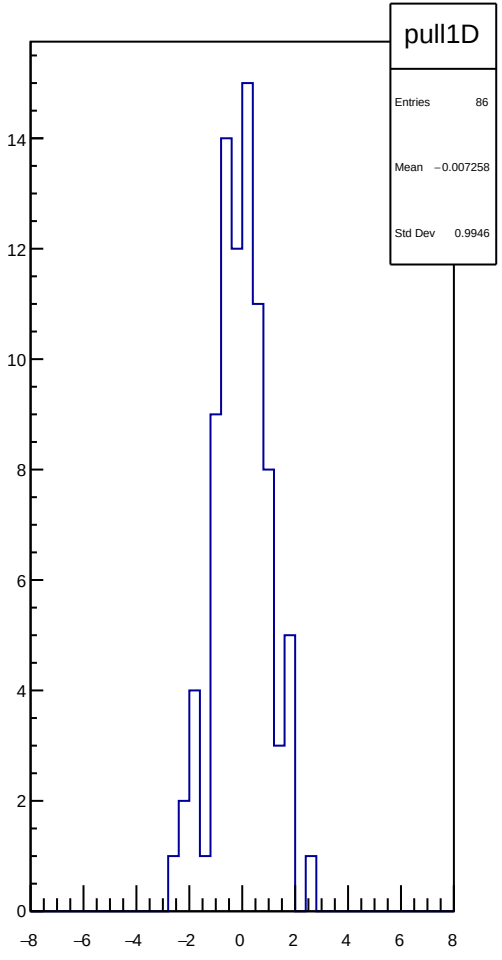

eigen_dit_asym_sam4_rms vs run
χ² / ndf 1.04e+04 / 85
p0 298.2 ± 0.2324
500
450
400
350
300

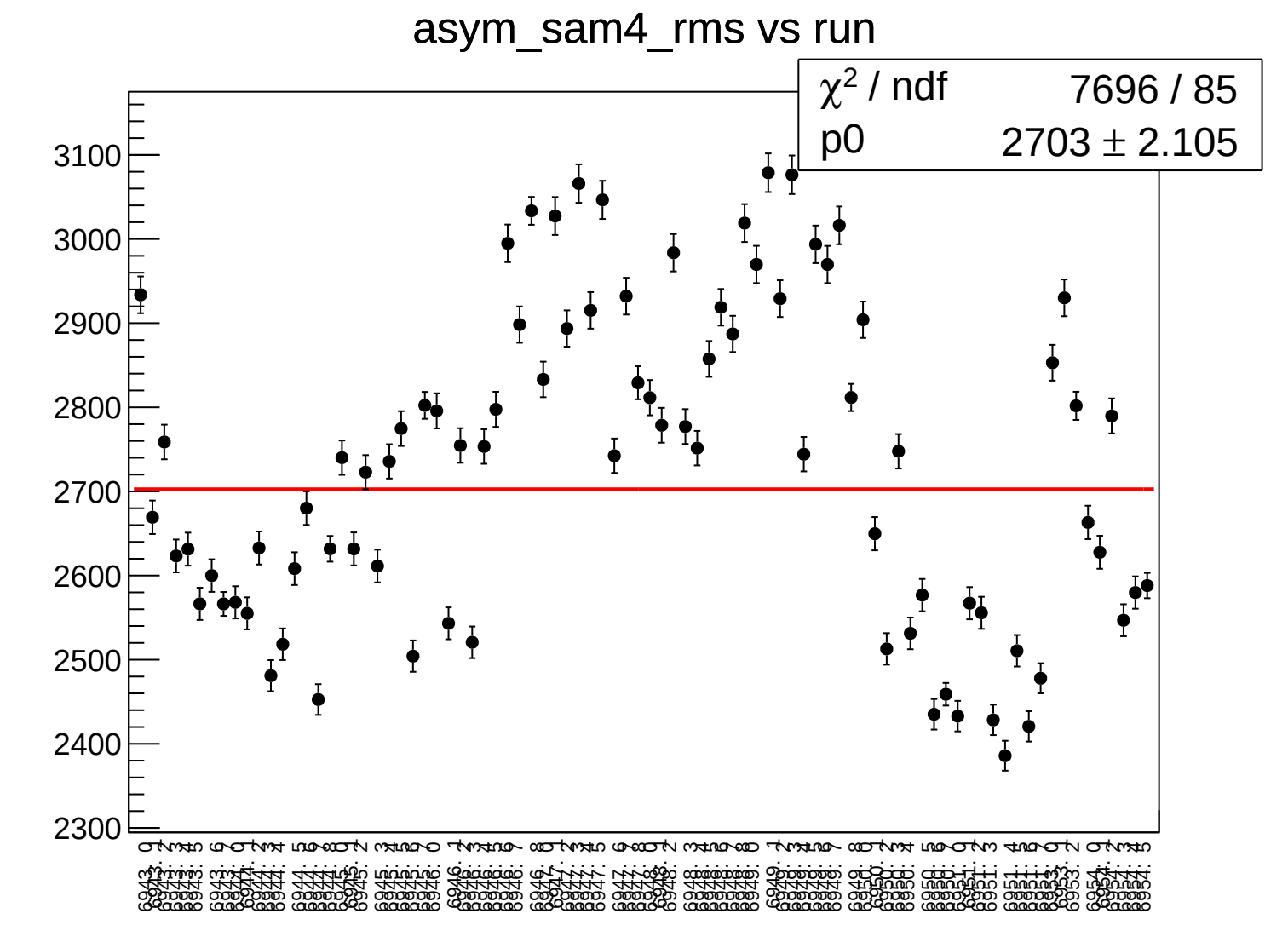

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 84.46 / 85
p0 −8909 ± 2934
100
50
0
−50
−100
pull
Entries 86
Mean 0.4476
Std Dev 88.65
2
1
0
−1
−2

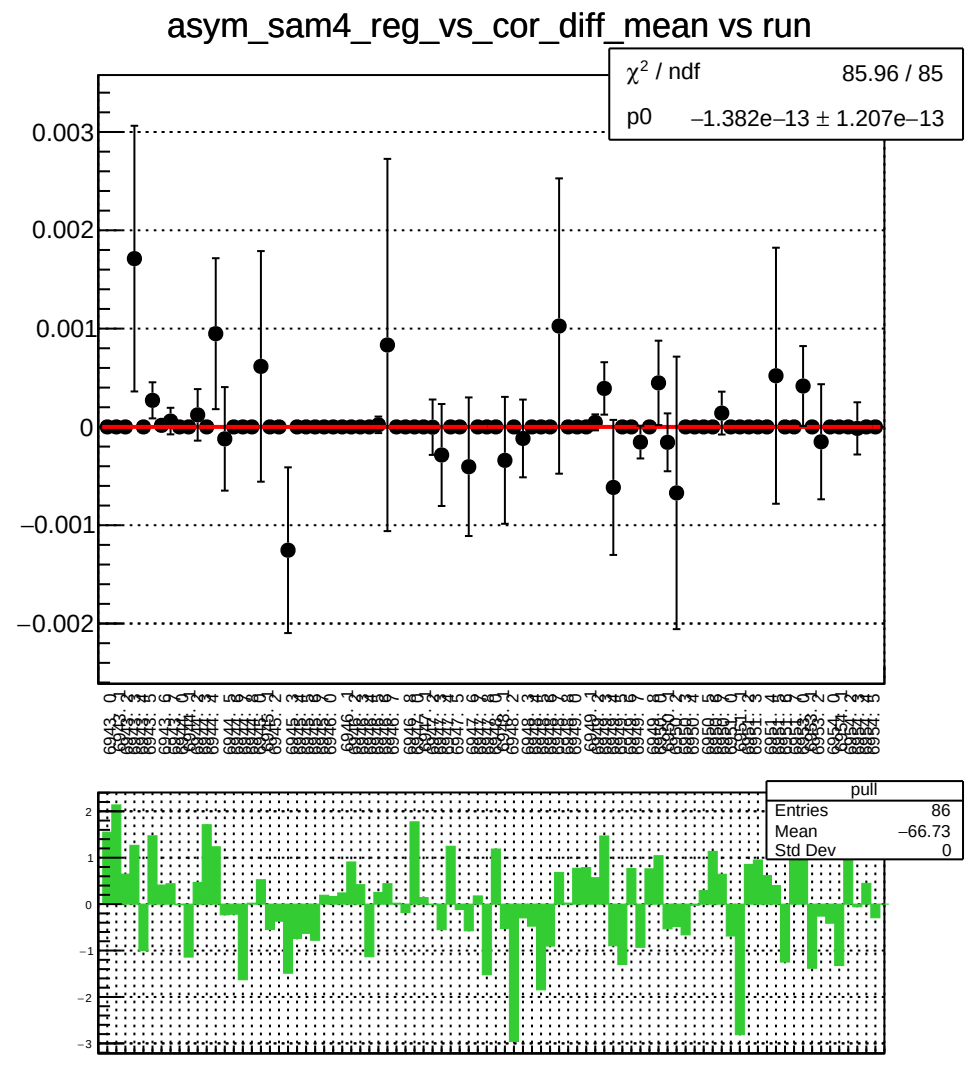

pull1D
Entries 86
Mean 0.007441
Std Dev 0.991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

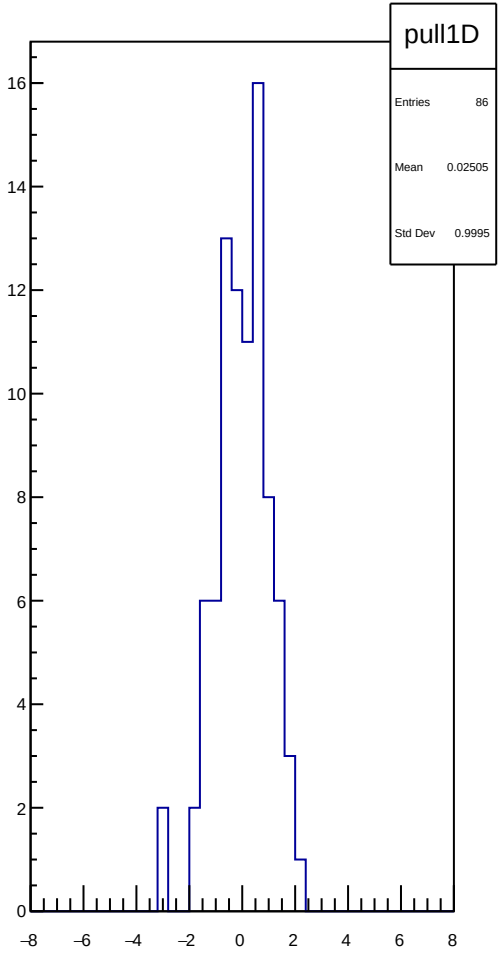

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 7276 / 85
p0 2664 ± 2.075
3100
3000
2900
2800
2700
2600
2500
2400
2300

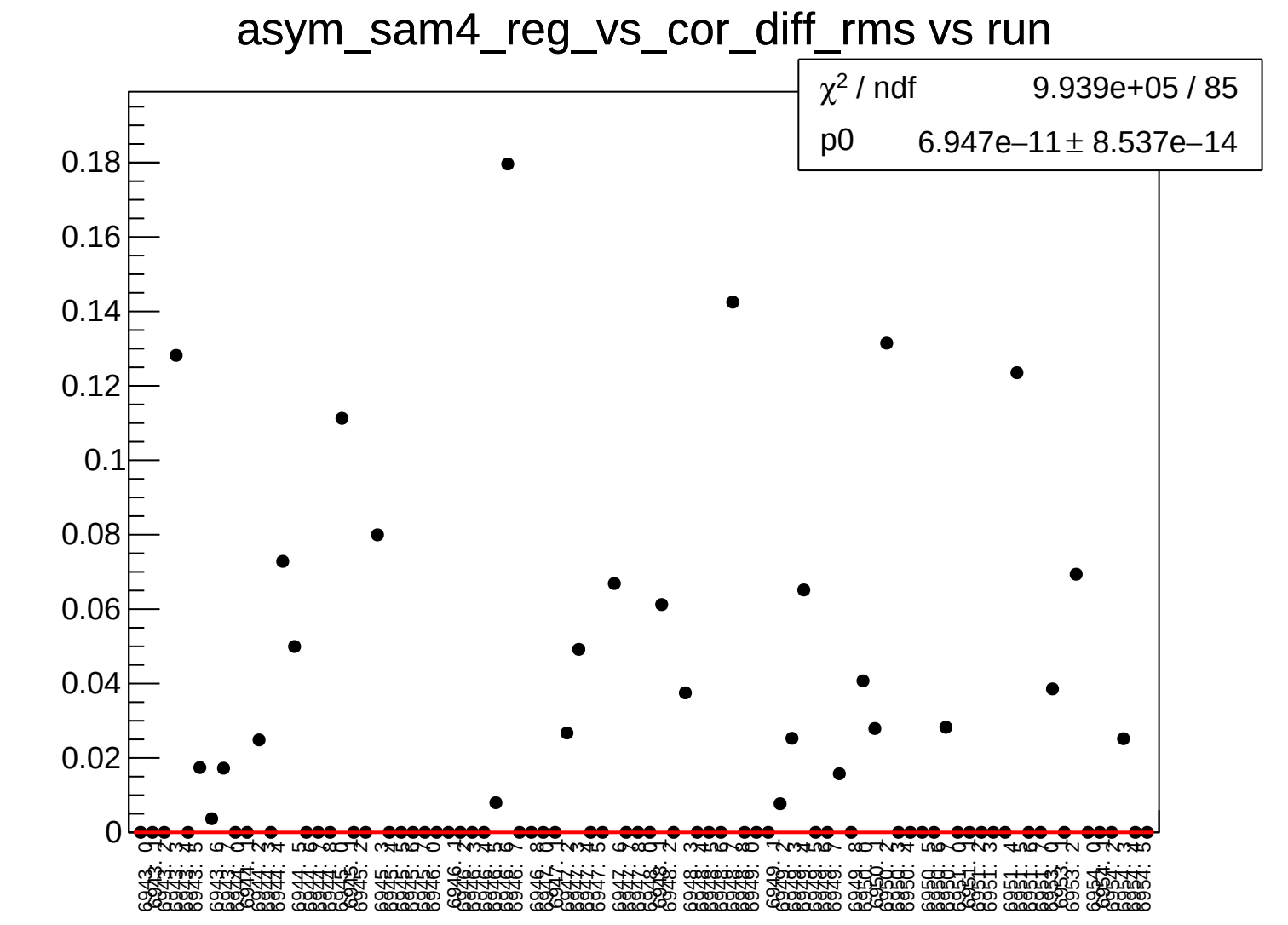

asym_sam4_mean vs run
χ² / ndf 85.07 / 85
p0 9300 ± 2977
×10³
pull
Entries 86
Mean −80.86
Std Dev 0

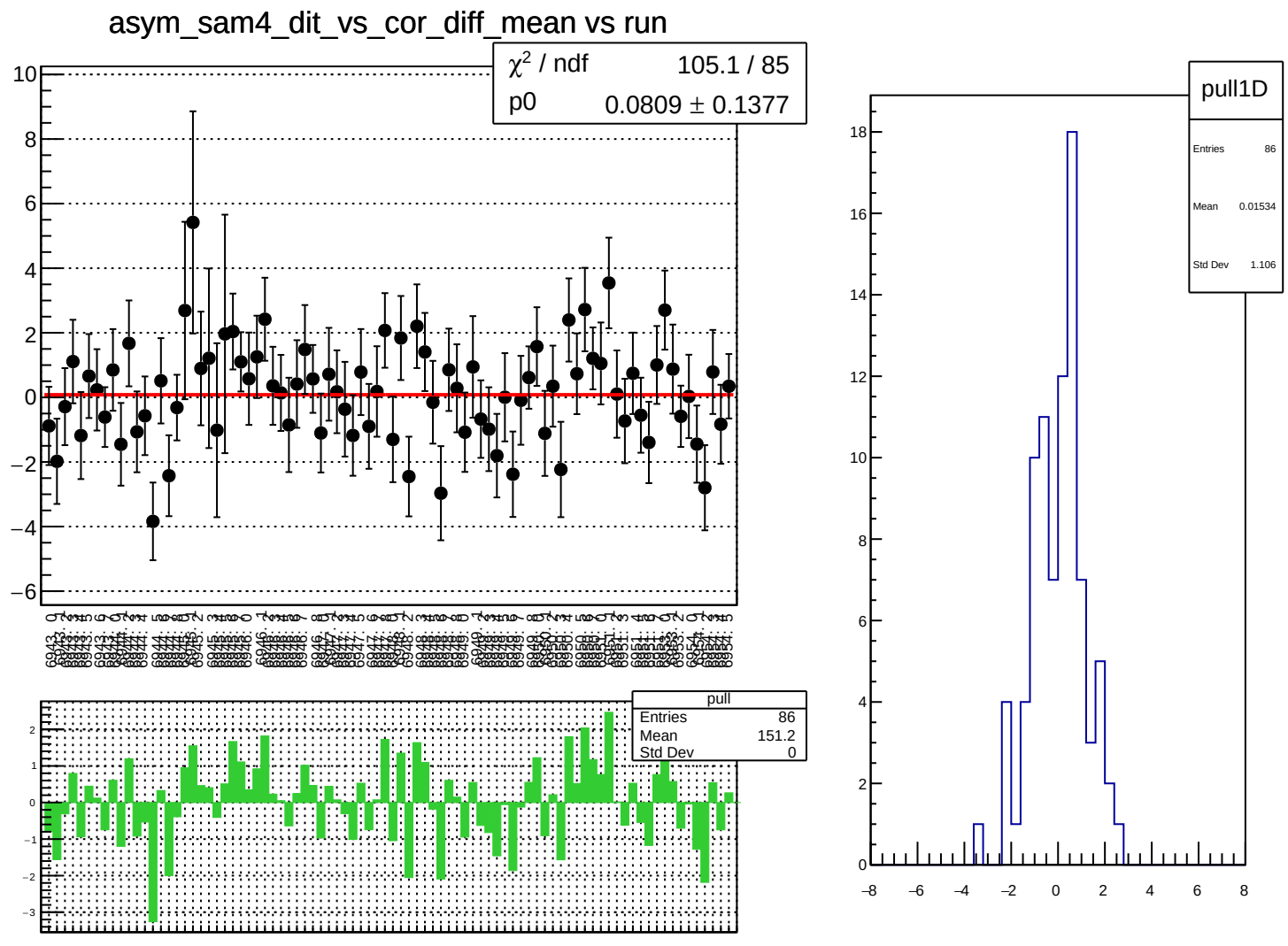

pull1D
Entries 86
Mean −0.007258
Std Dev 0.9946

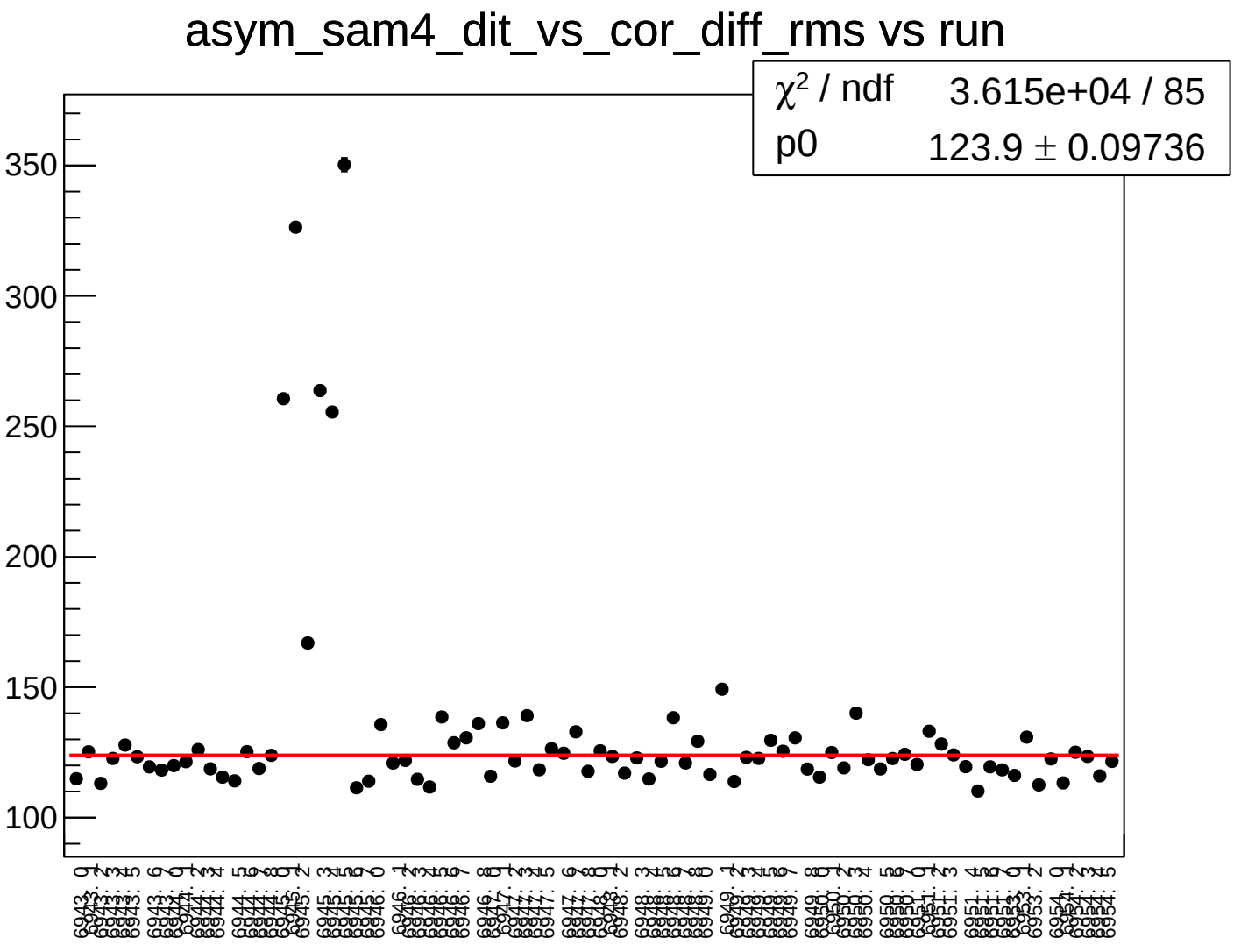

asym_sam4_rms vs run
χ^2 / ndf 7696 / 85
p0 2703 ± 2.105
3100
3000
2900
2800
2700
2600
2500
2400
2300

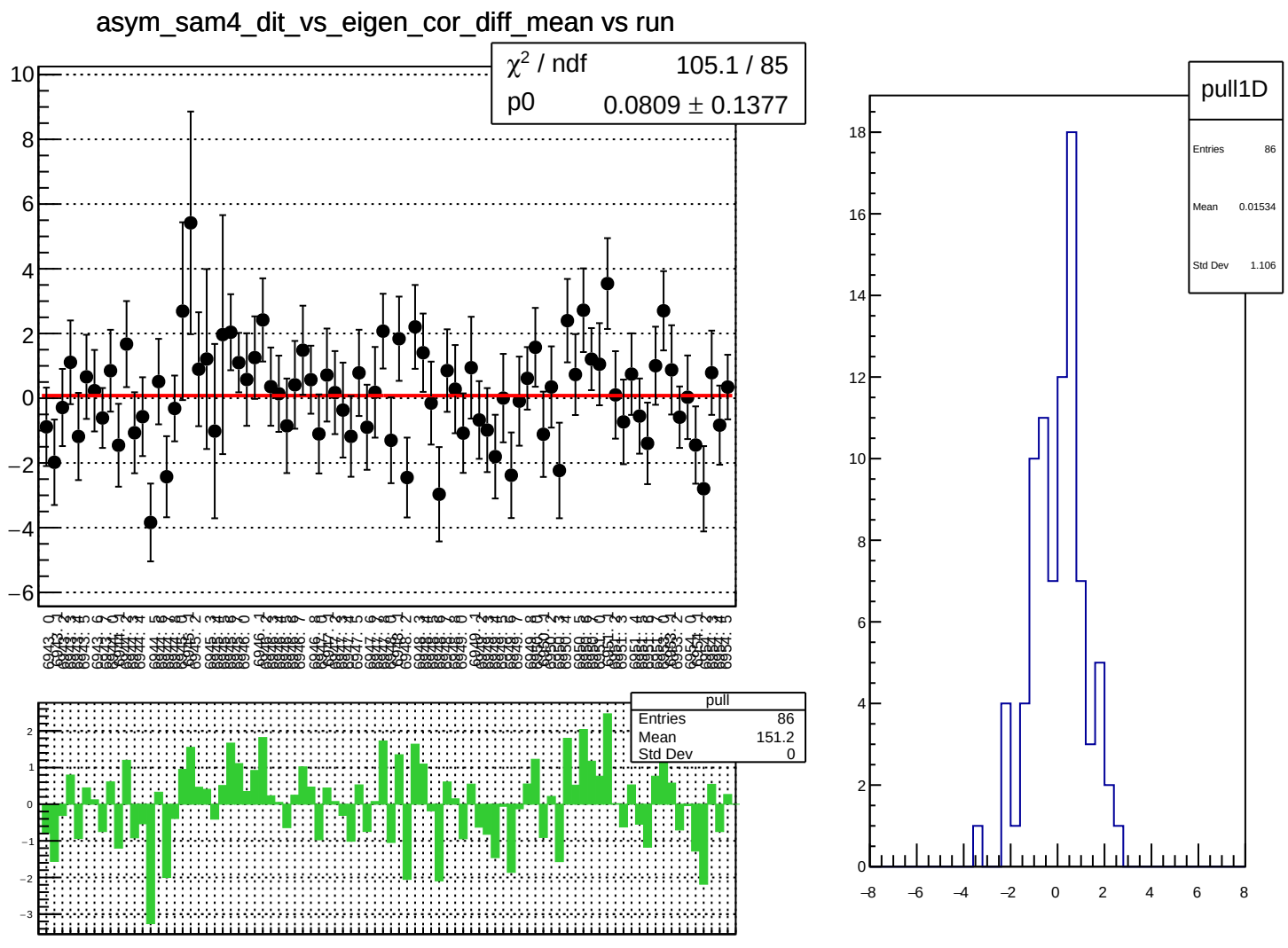

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 85.96 / 85
p0 −1.382e−13 ± 1.207e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 86
Mean −66.73
Std Dev 0
2
1
0
−1
−2
−3

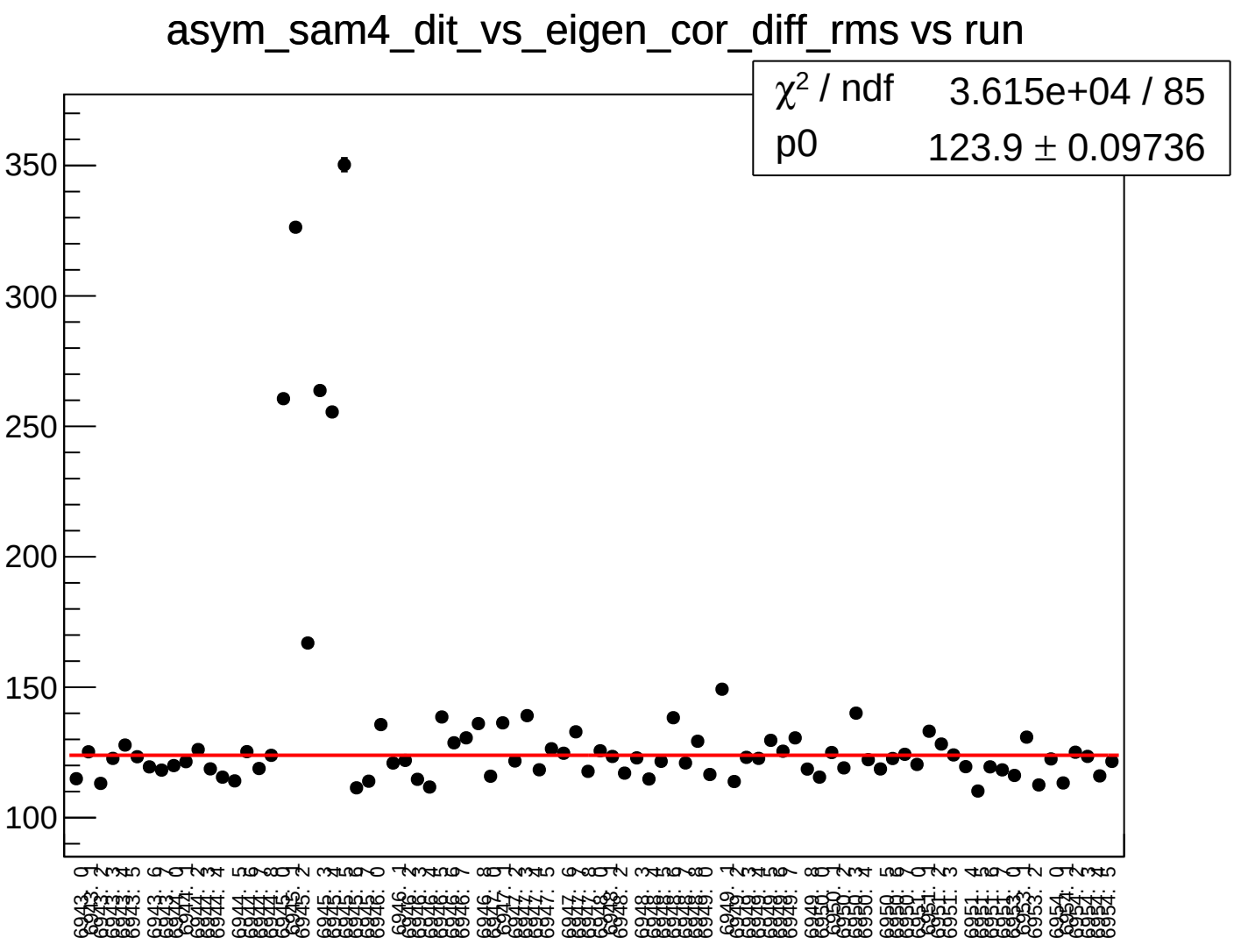

pull1D
Entries 86
Mean 0.02505
Std Dev 0.9995
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

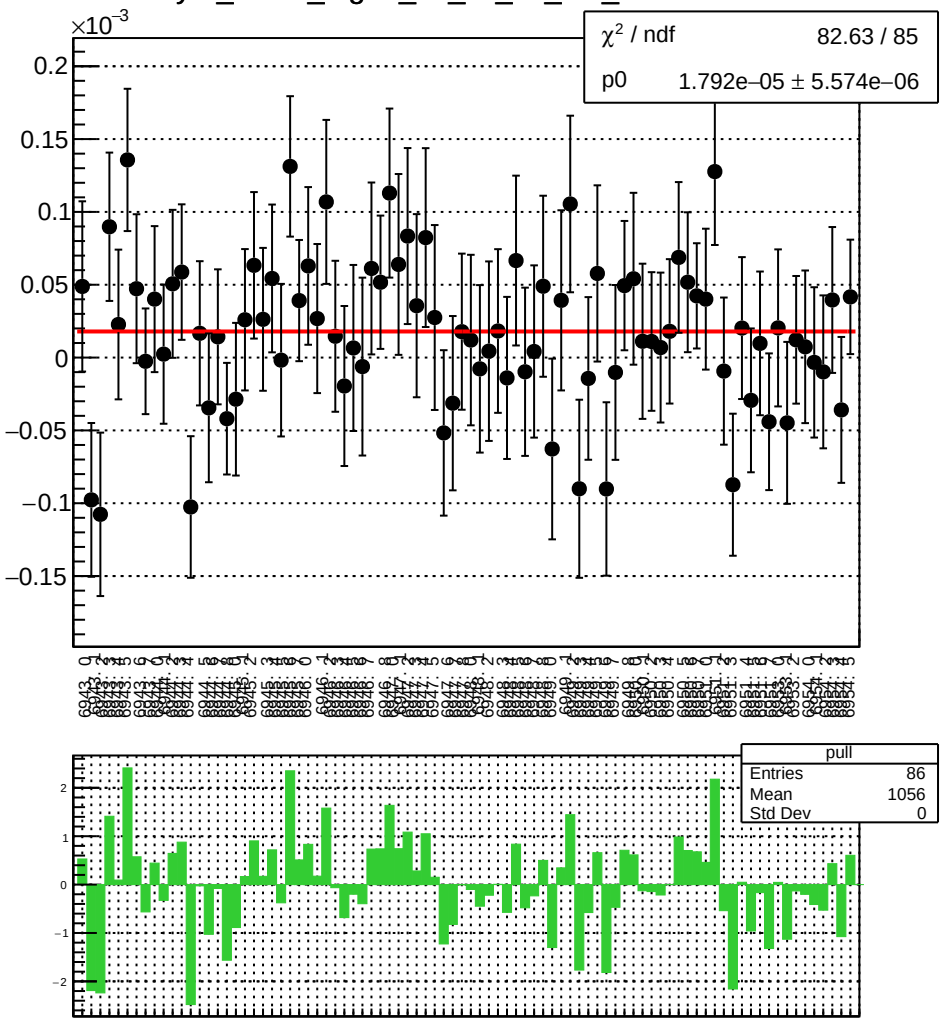

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 9.939e+05 / 85
p0 6.947e−11 ± 8.537e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

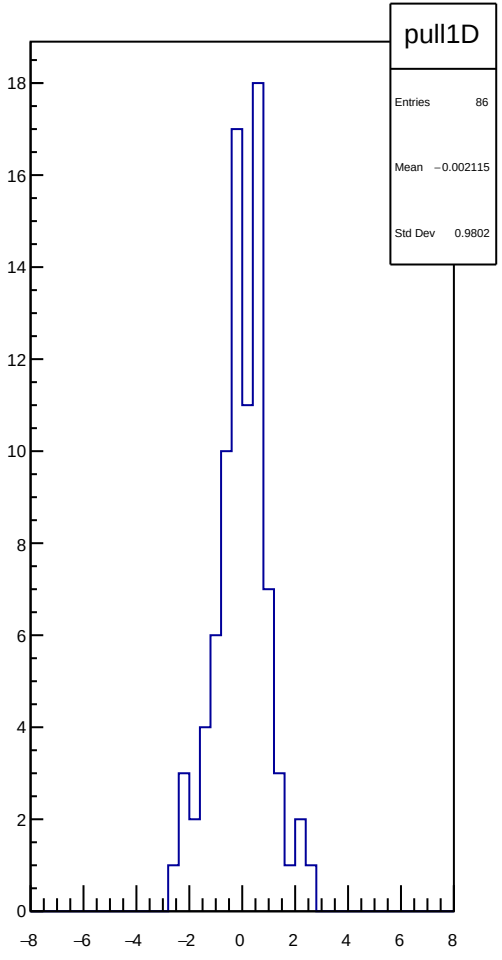

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 105.1 / 85
p0 0.0809 ± 0.1377
pull
Entries 86
Mean 151.2
Std Dev 0
pull1D
Entries 86
Mean 0.01534
Std Dev 1.106

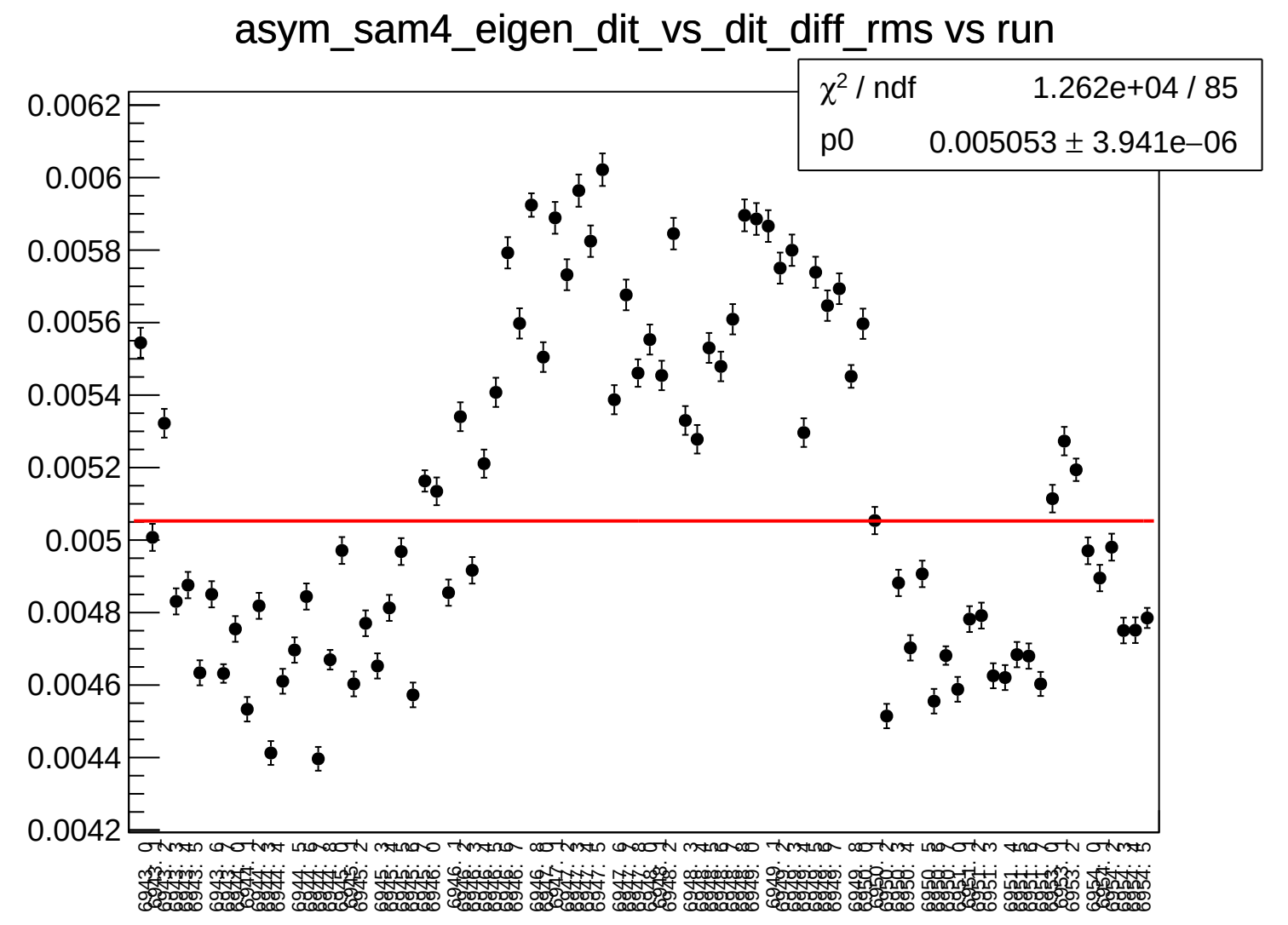

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 85
p0 123.9 ± 0.09736
350
300
250
200
150
100

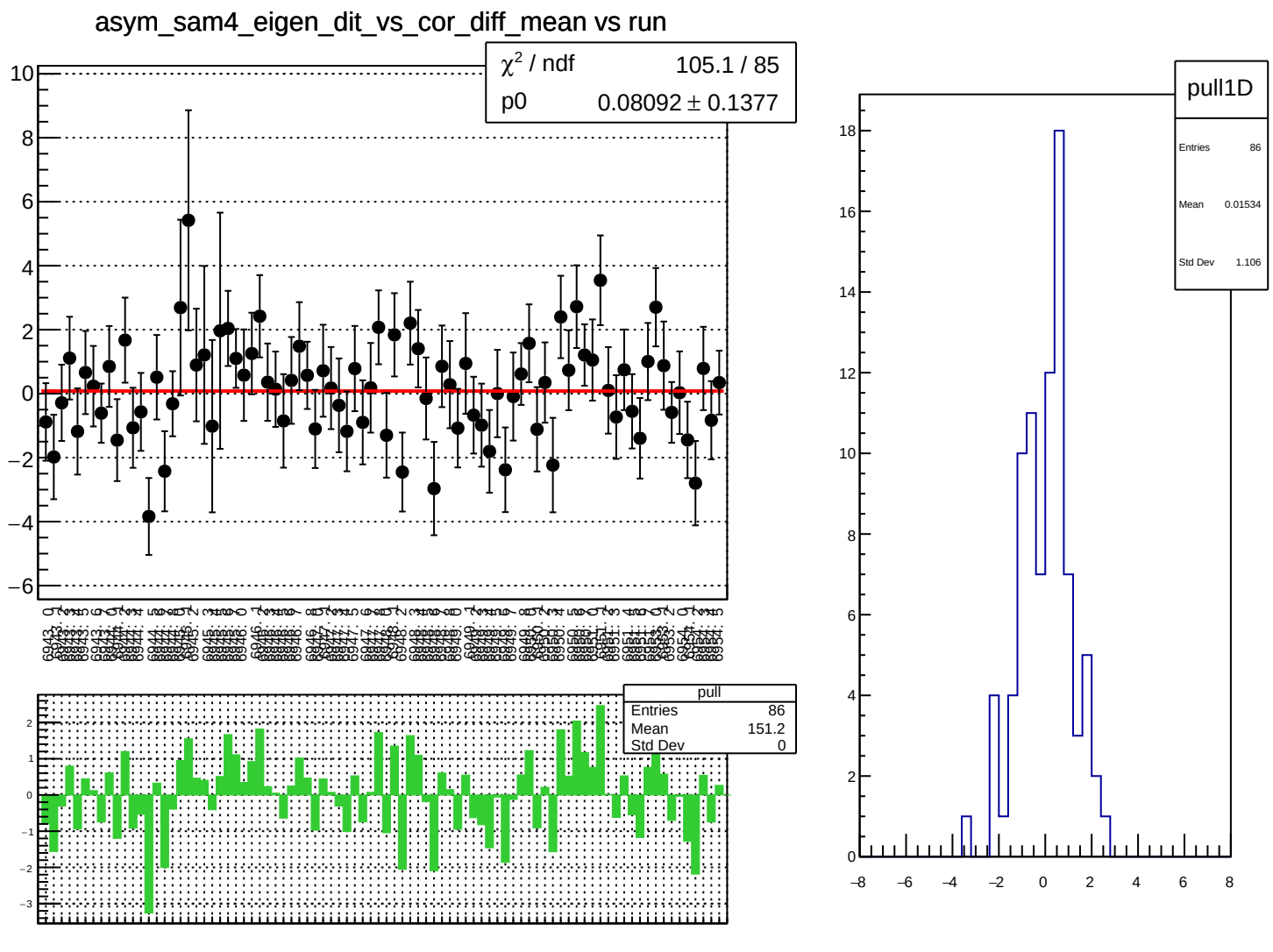

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.1 / 85
p0 0.0809 ± 0.1377
pull
Entries 86
Mean 151.2
Std Dev 0
pull1D
Entries 86
Mean 0.01534
Std Dev 1.106

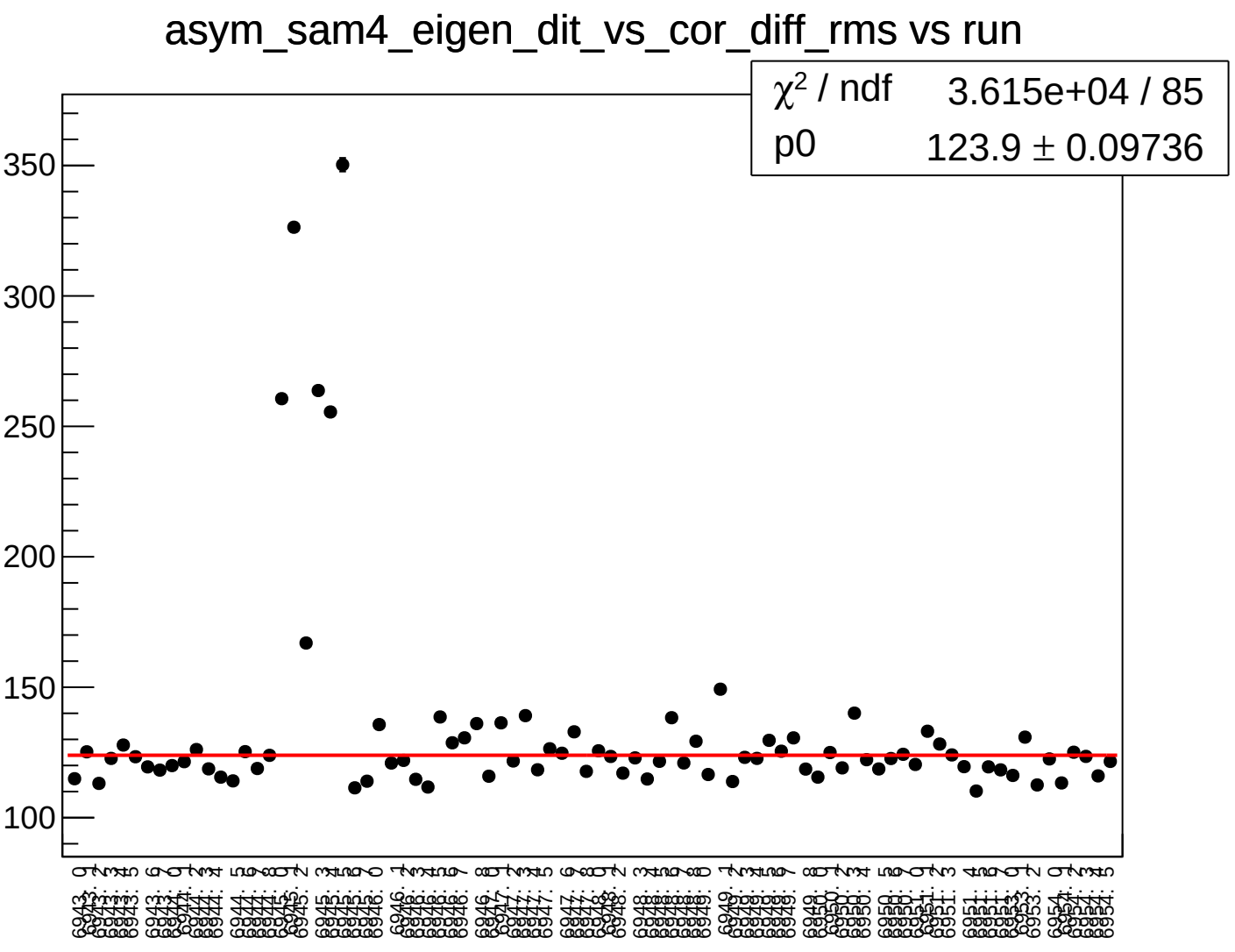

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 85
p0 123.9 ± 0.09736
350
300
250
200
150
100

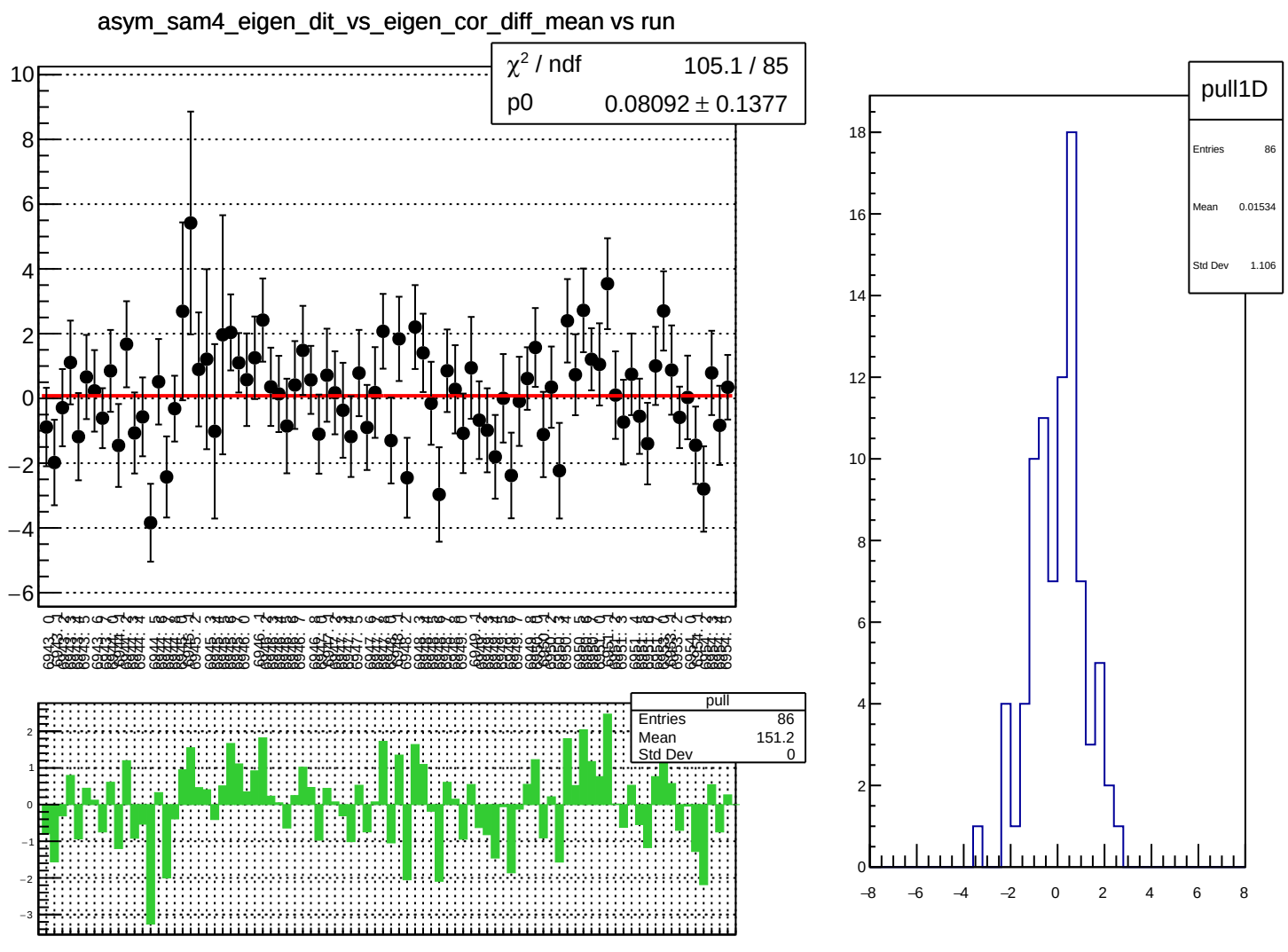

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.63 / 85
p0 1.792e−05 ± 5.574e−06
pull
Entries 86
Mean 1056
Std Dev 0

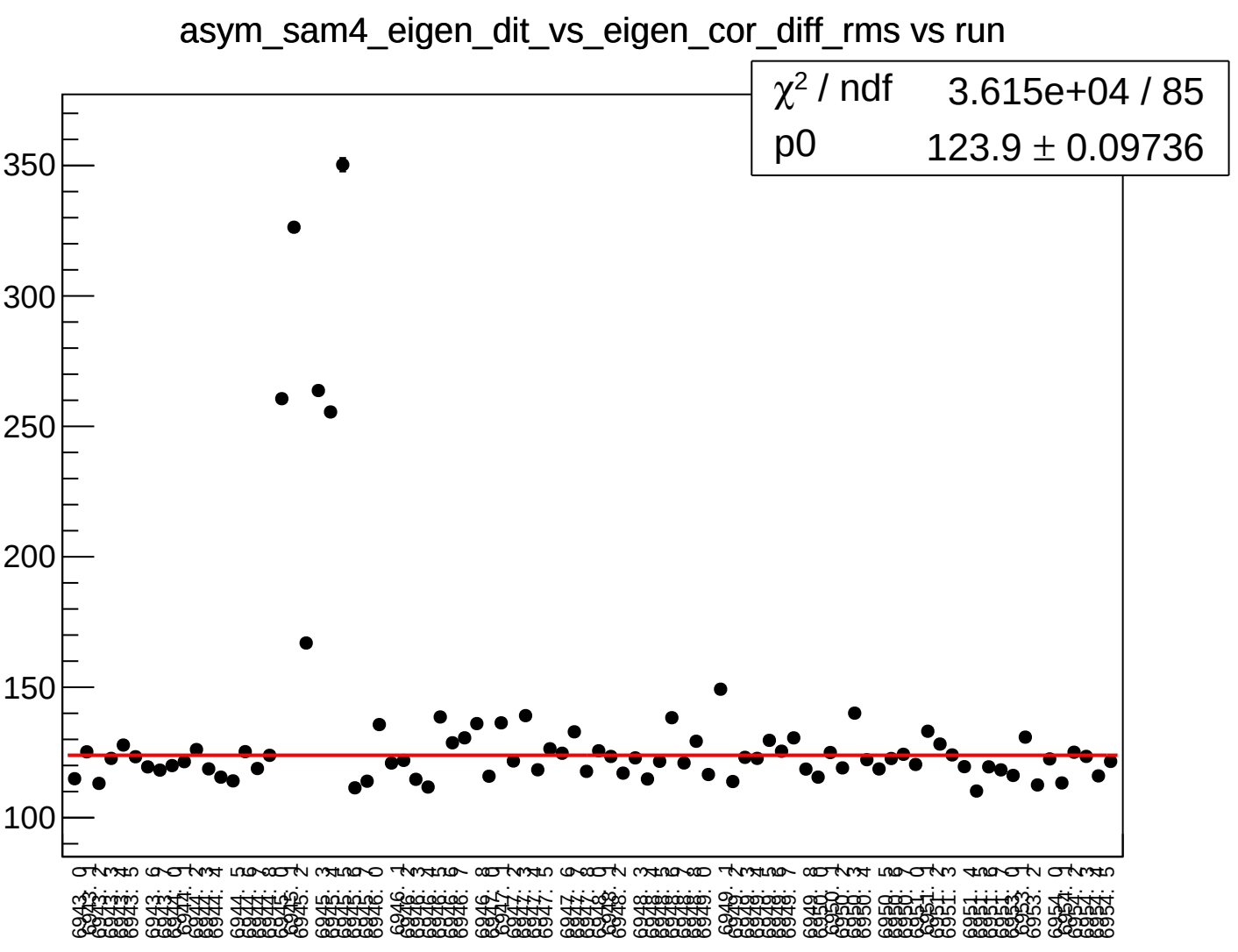

pull1D
Entries 86
Mean −0.002115
Std Dev 0.9802

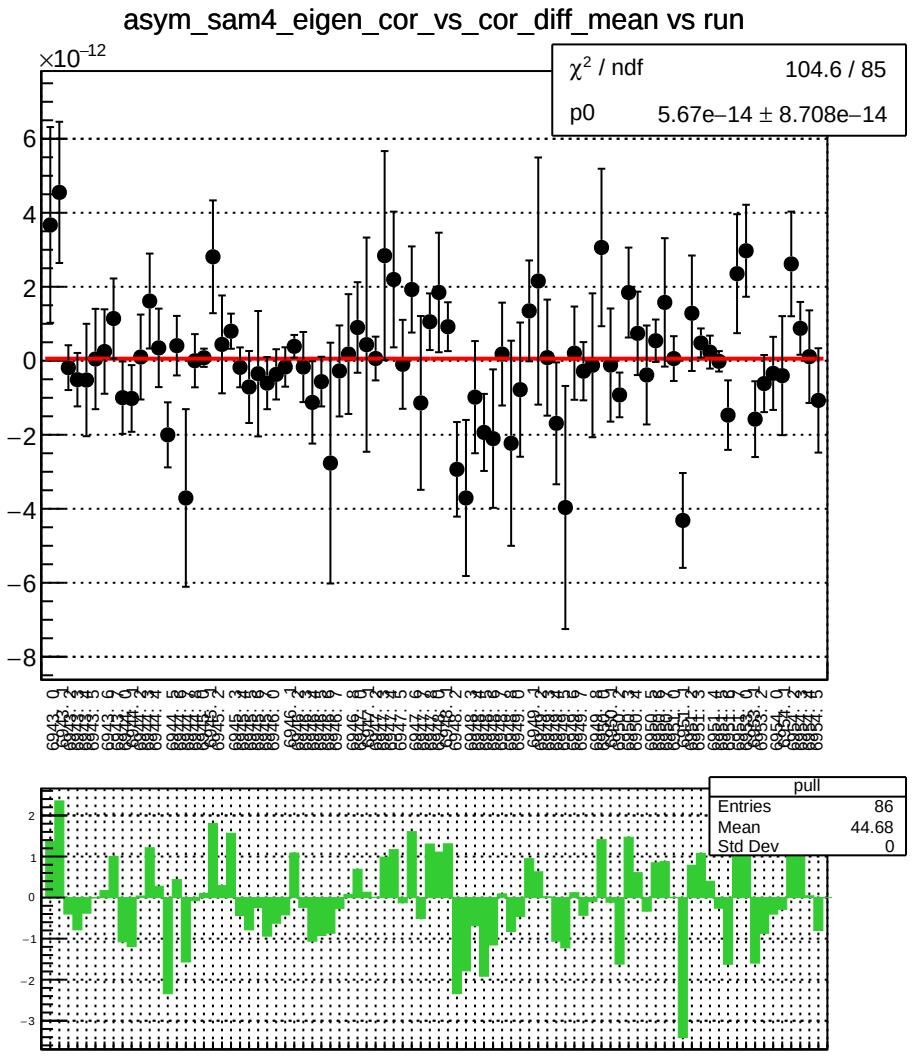

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.262e+04 / 85
p0 0.005053 ± 3.941e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

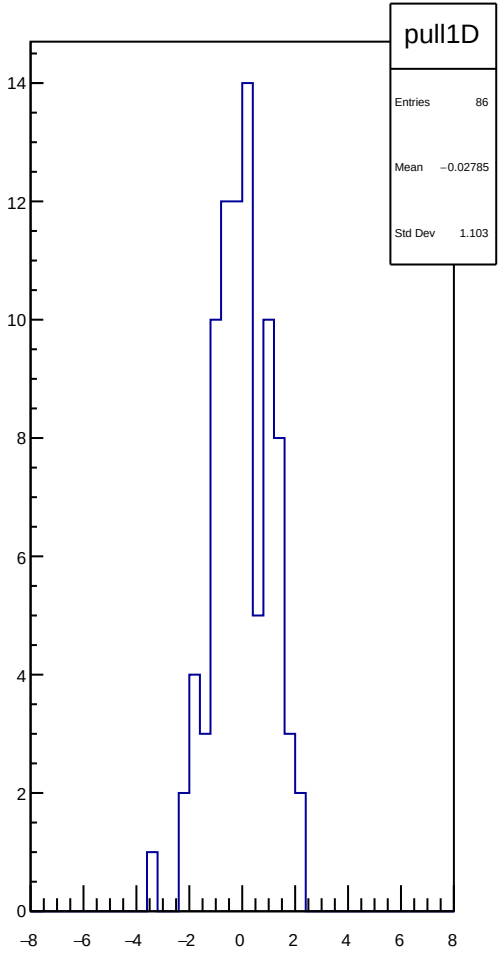

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.1 / 85
p0 0.08092 ± 0.1377
pull
Entries 86
Mean 151.2
Std Dev 0
pull1D
Entries 86
Mean 0.01534
Std Dev 1.106

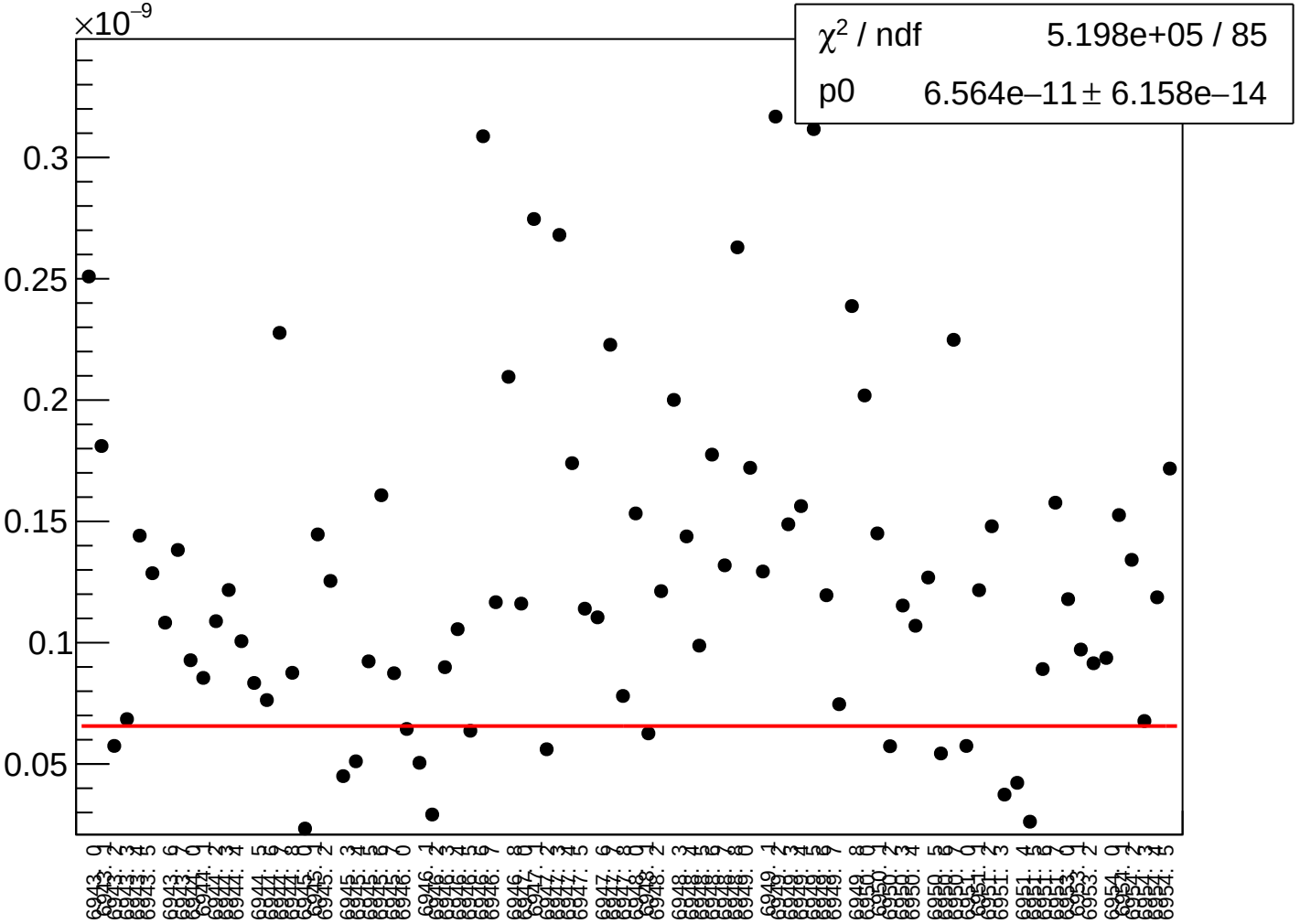

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 85
p0 123.9 ± 0.09736
350
300
250
200
150
100

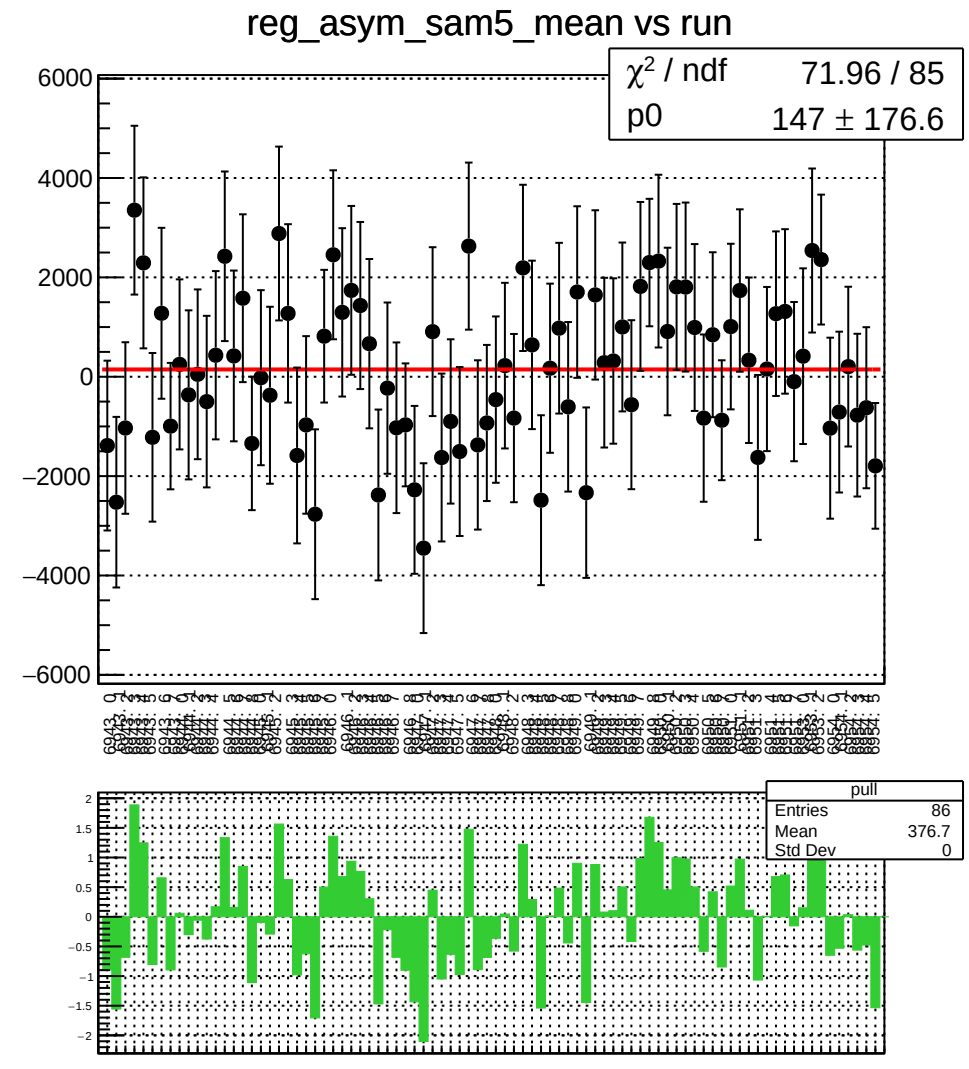

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.1 / 85
p0 0.08092 ± 0.1377
pull
Entries 86
Mean 151.2
Std Dev 0
pull1D
Entries 86
Mean 0.01534
Std Dev 1.106

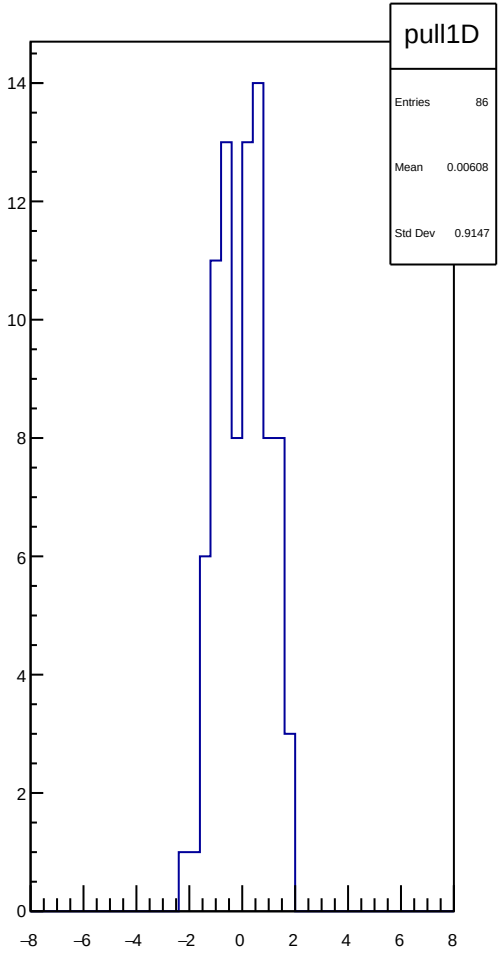

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 85
p0 123.9 ± 0.09736
350
300
250
200
150
100

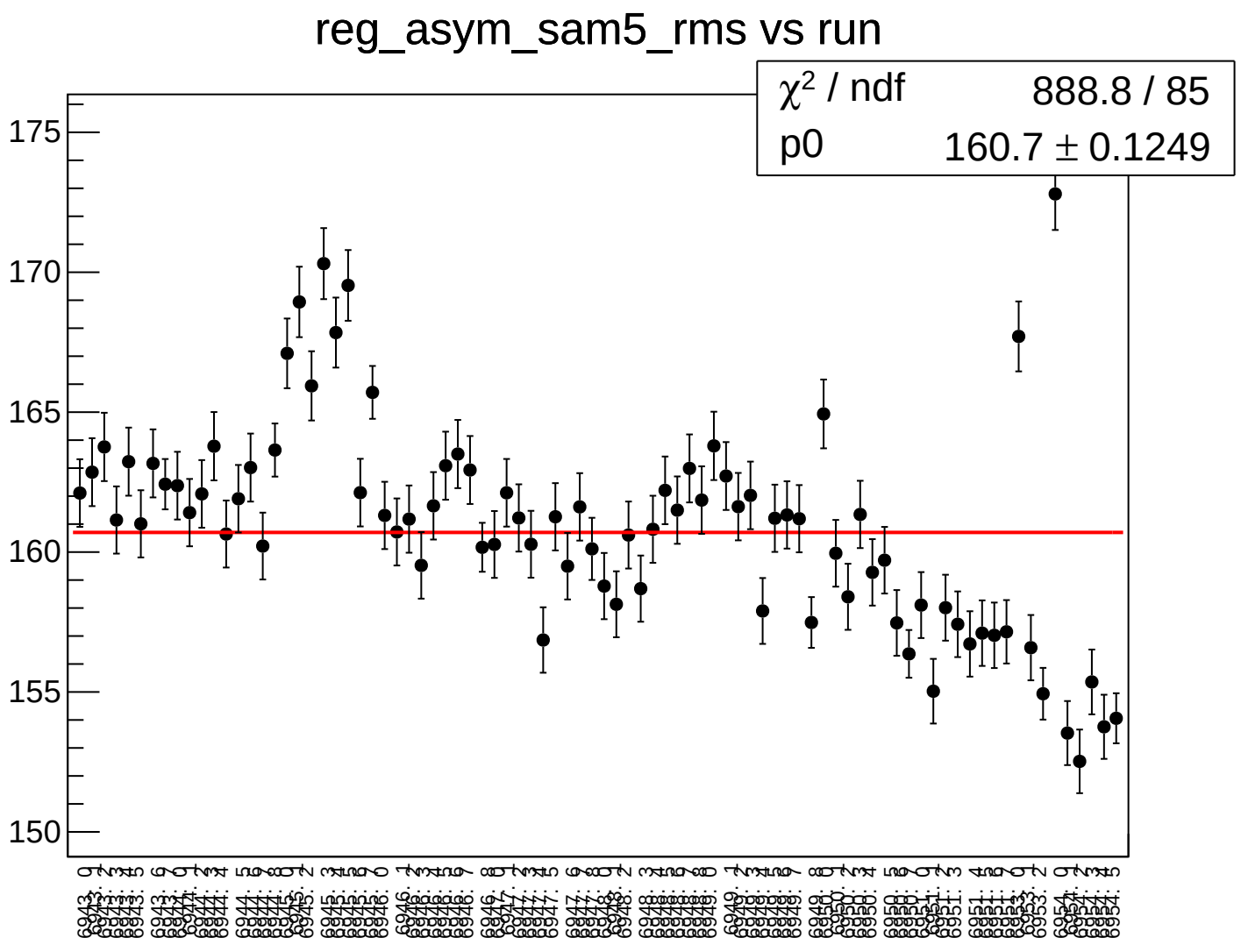

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 104.6 / 85
p0 5.67e−14 ± 8.708e−14
pull
Entries 86
Mean 44.68
Std Dev 0

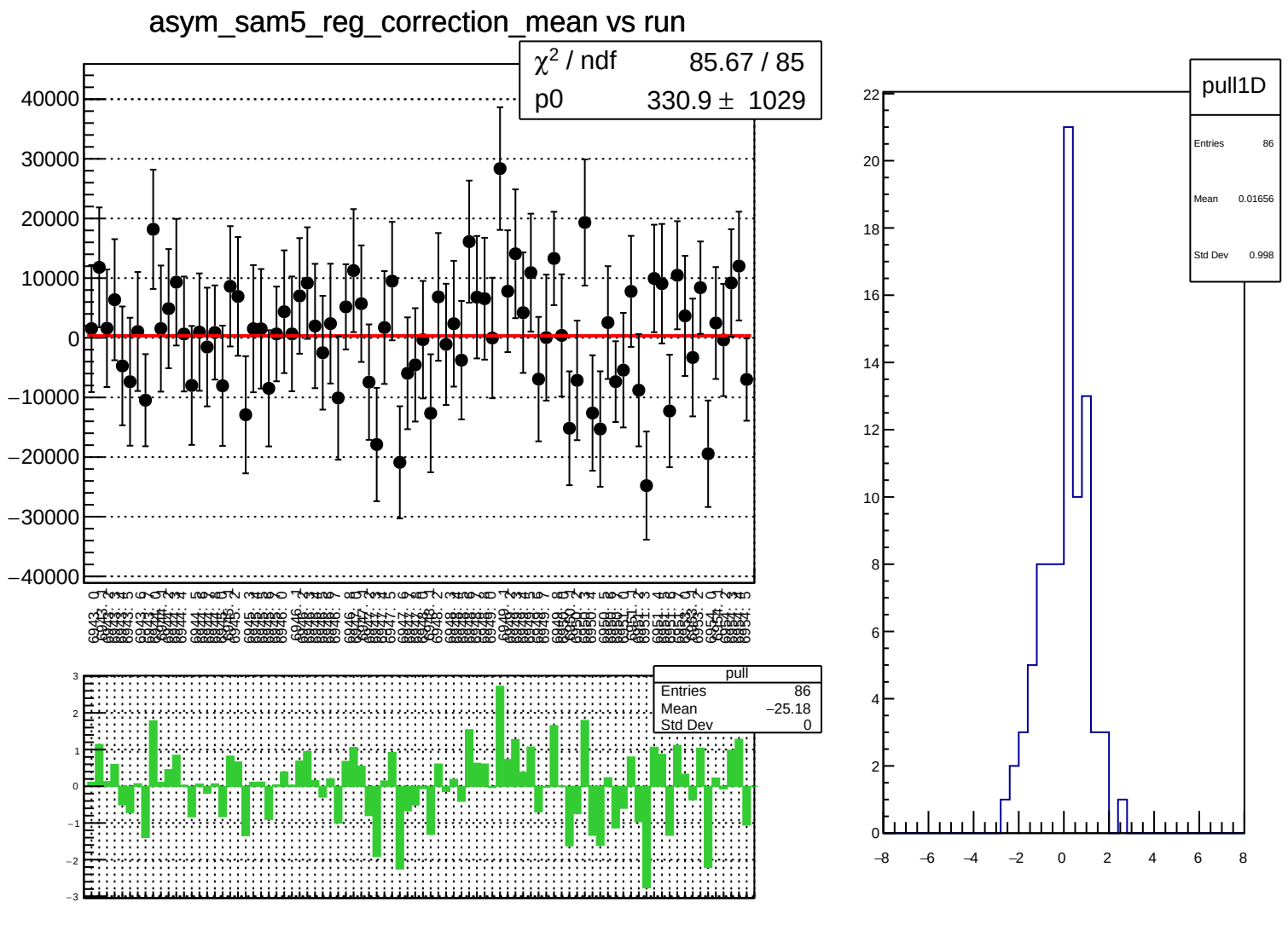

pull1D
Entries 86
Mean −0.02785
Std Dev 1.103

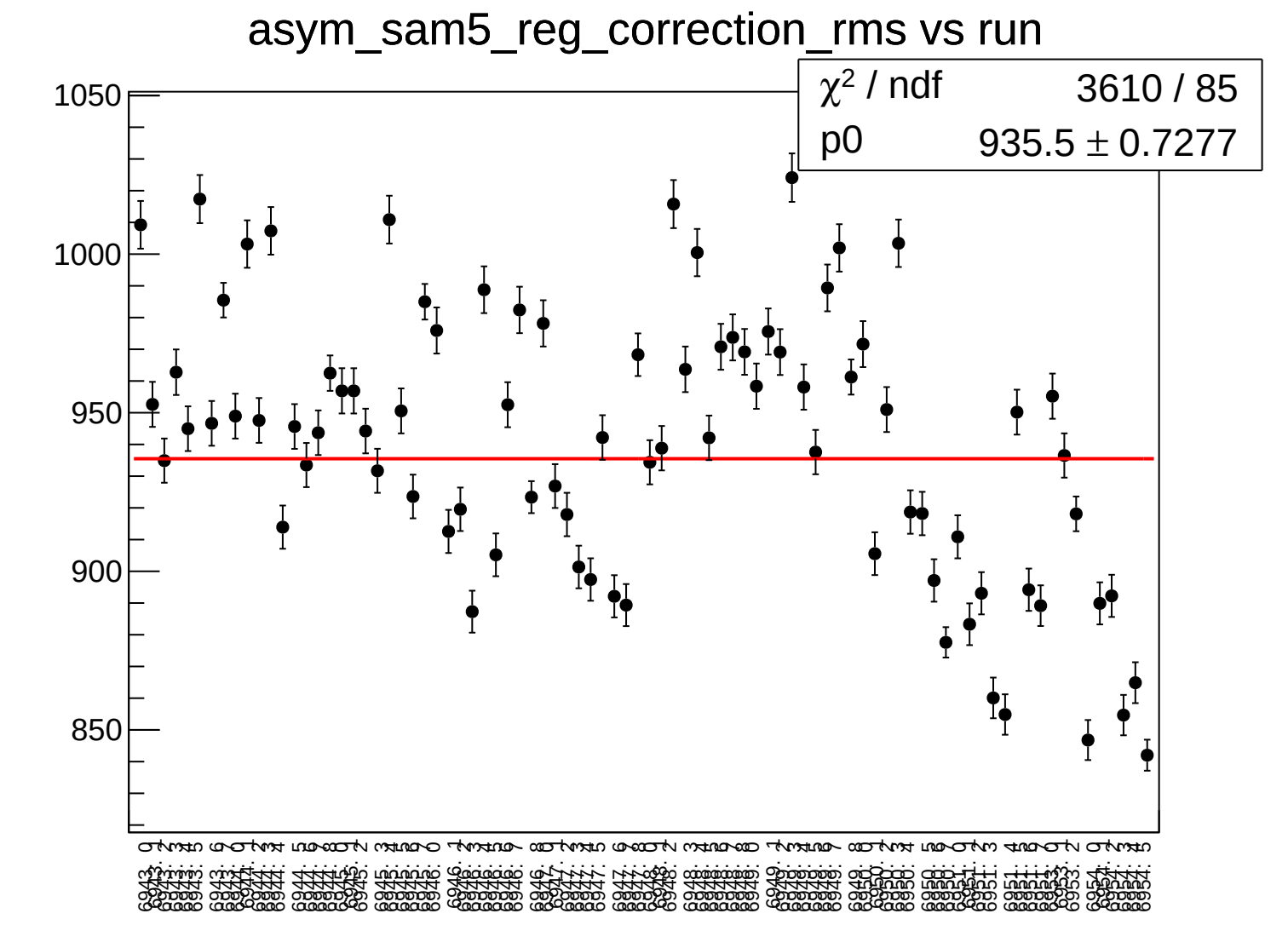

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.198e+05 / 85
p0 6.564e−11 ± 6.158e−14
0.3
0.25
0.2
0.15
0.1
0.05

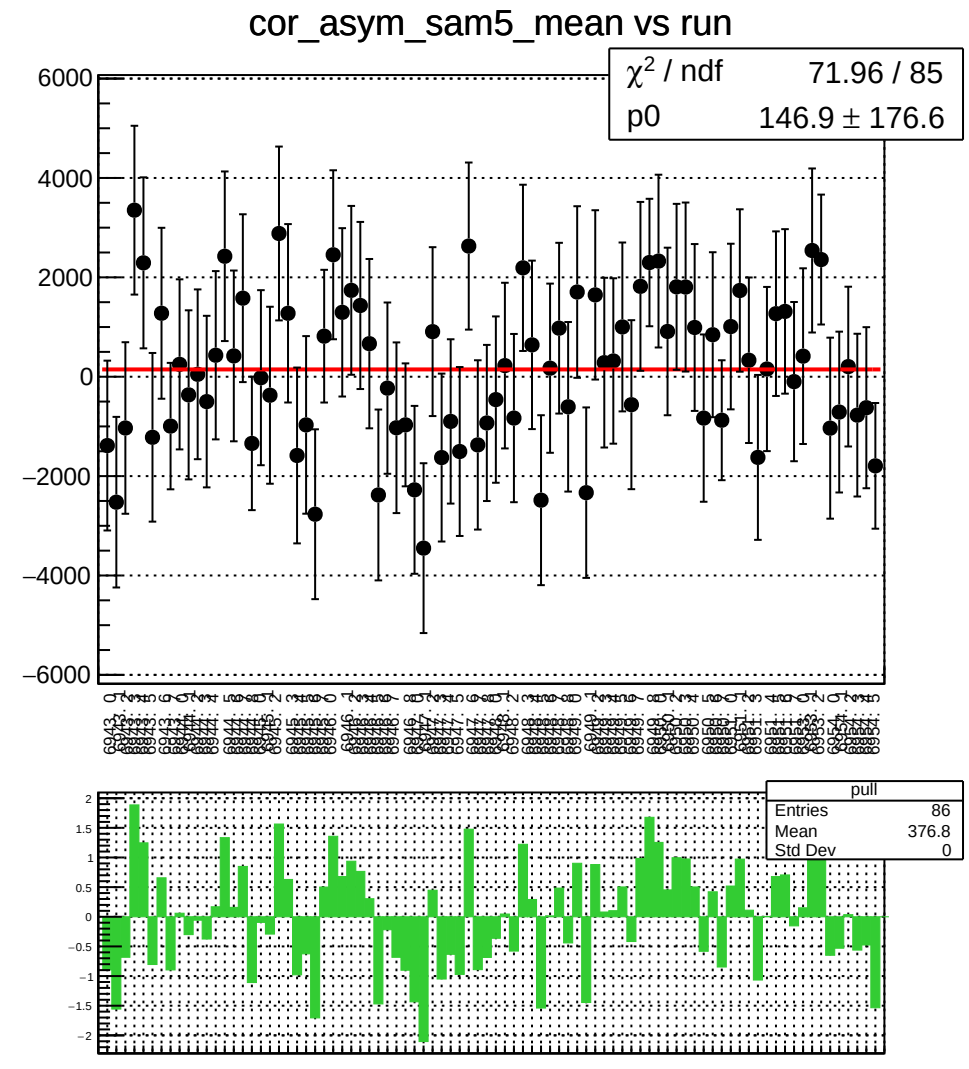

reg_asym_sam5_mean vs run
χ² / ndf 71.96 / 85
p0 147 ± 176.6
pull
Entries 86
Mean 376.7
Std Dev 0

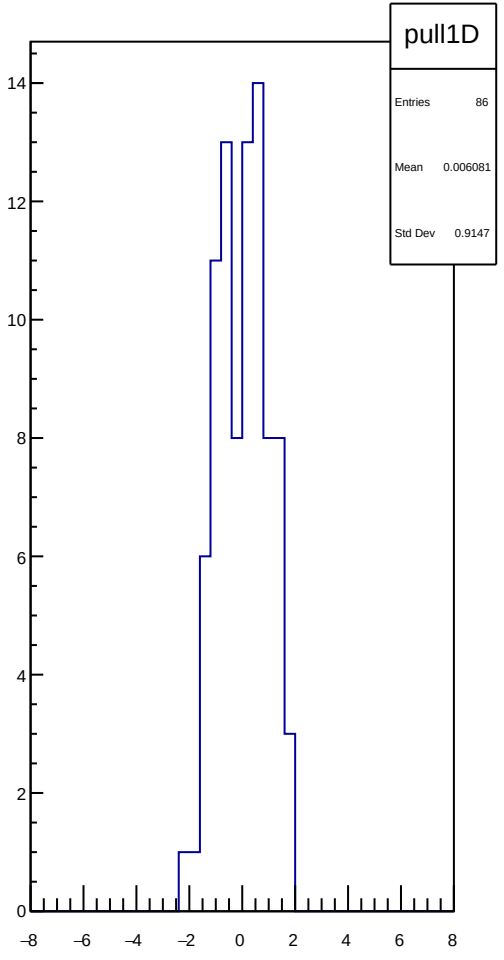

pull1D
Entries 86
Mean 0.00608
Std Dev 0.9147

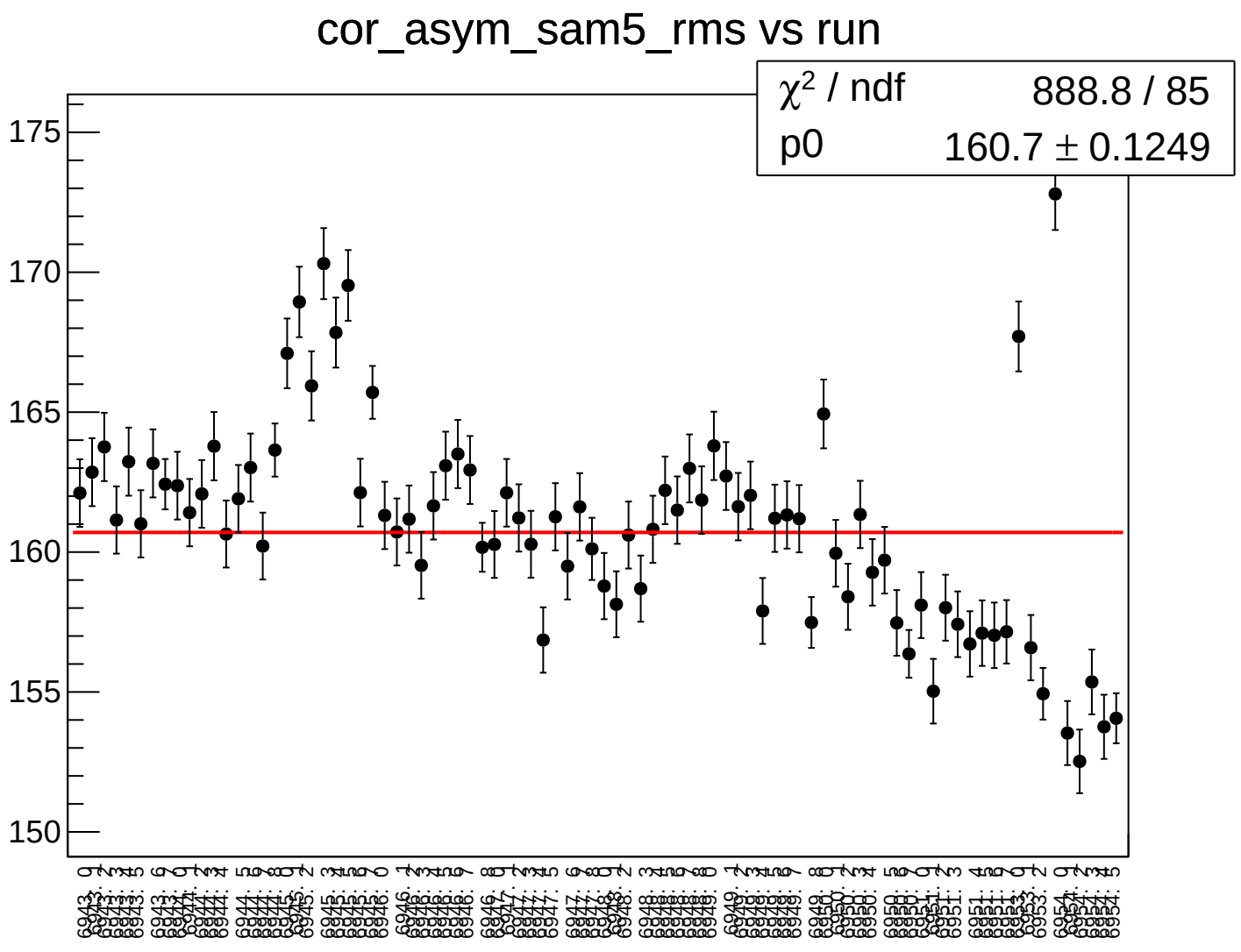

reg_asym_sam5_rms vs run
χ² / ndf 888.8 / 85
p0 160.7 ± 0.1249
175
170
165
160
155
150

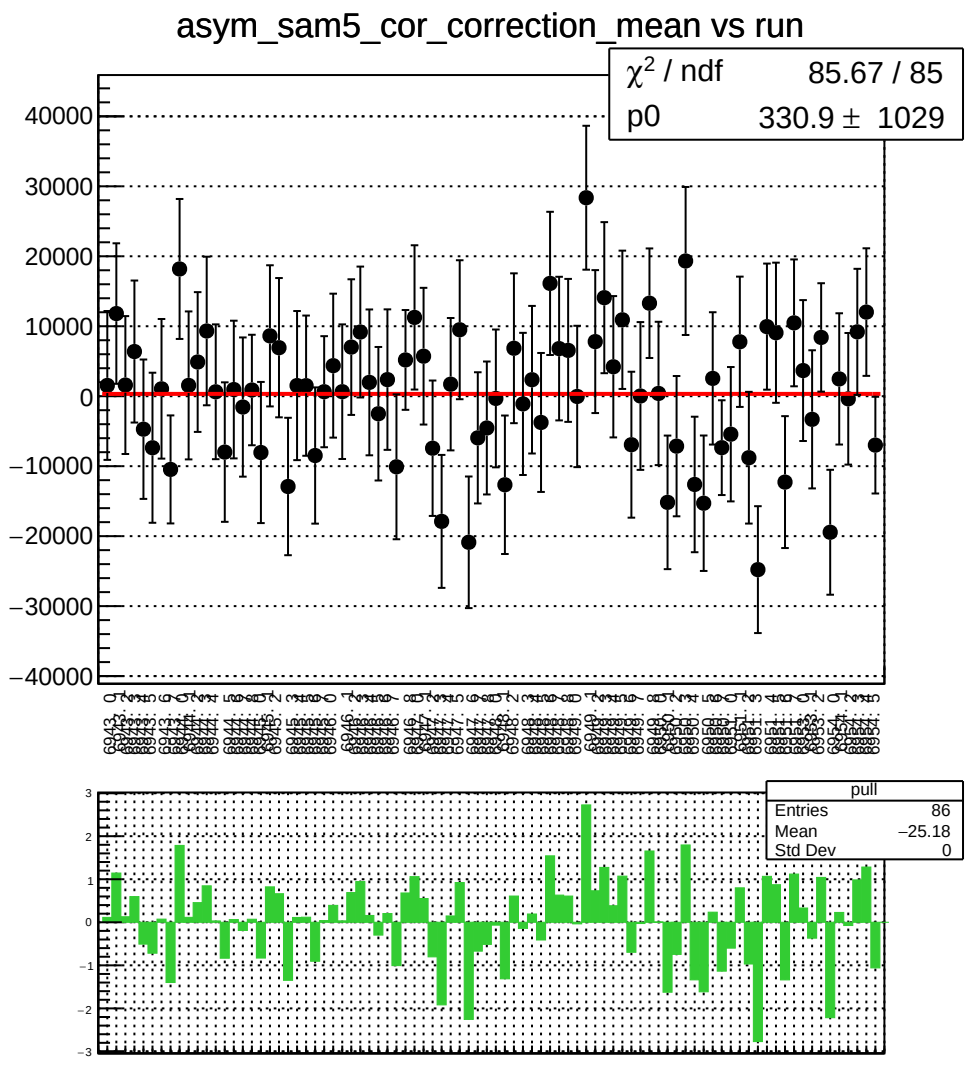

asym_sam5_reg_correction_mean vs run
χ² / ndf 85.67 / 85
p0 330.9 ± 1029
pull
Entries 86
Mean −25.18
Std Dev 0
pull1D
Entries 86
Mean 0.01656
Std Dev 0.998

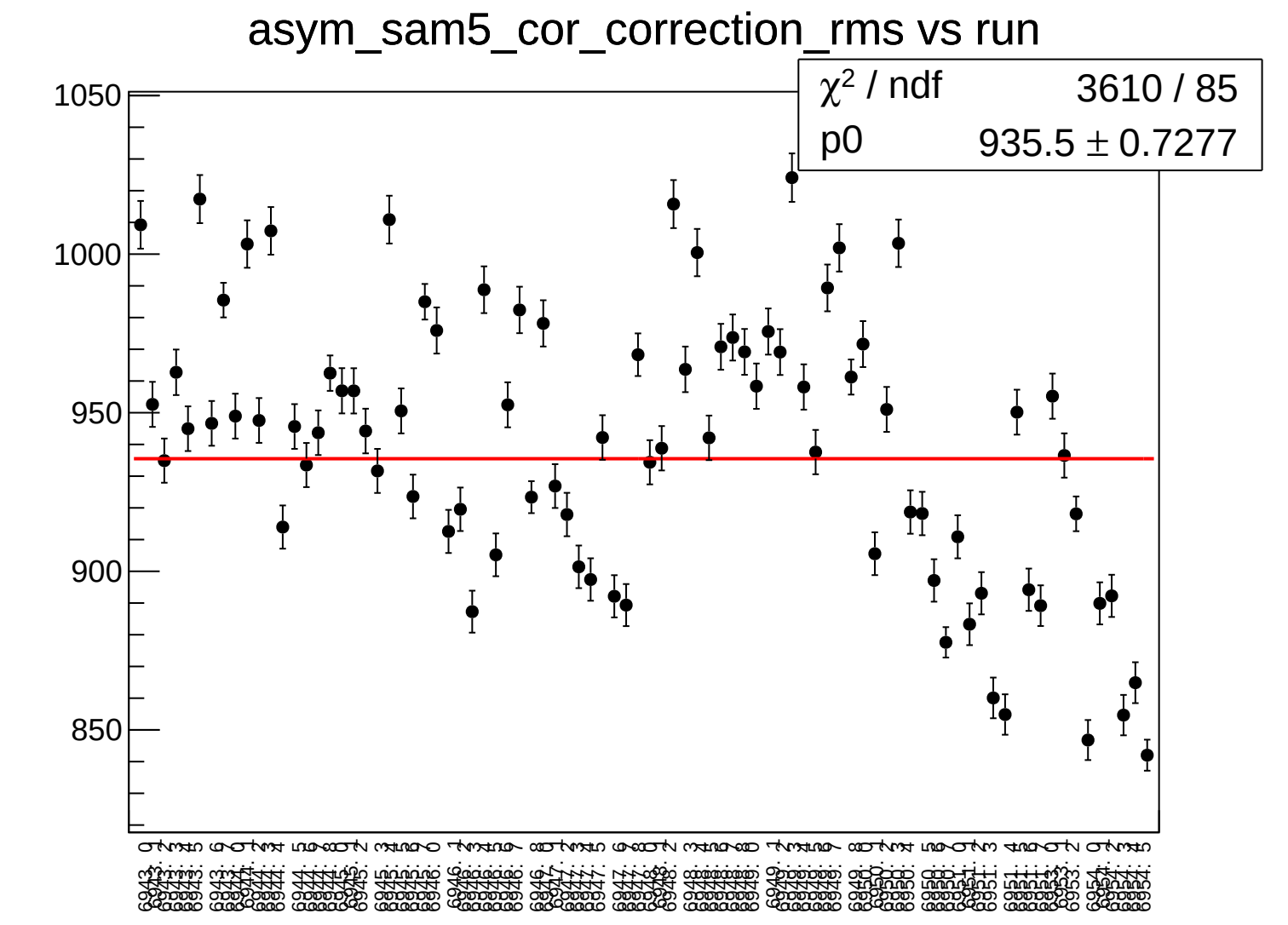

asym_sam5_reg_correction_rms vs run
χ² / ndf 3610 / 85
p0 935.5 ± 0.7277
1050
1000
950
900
850

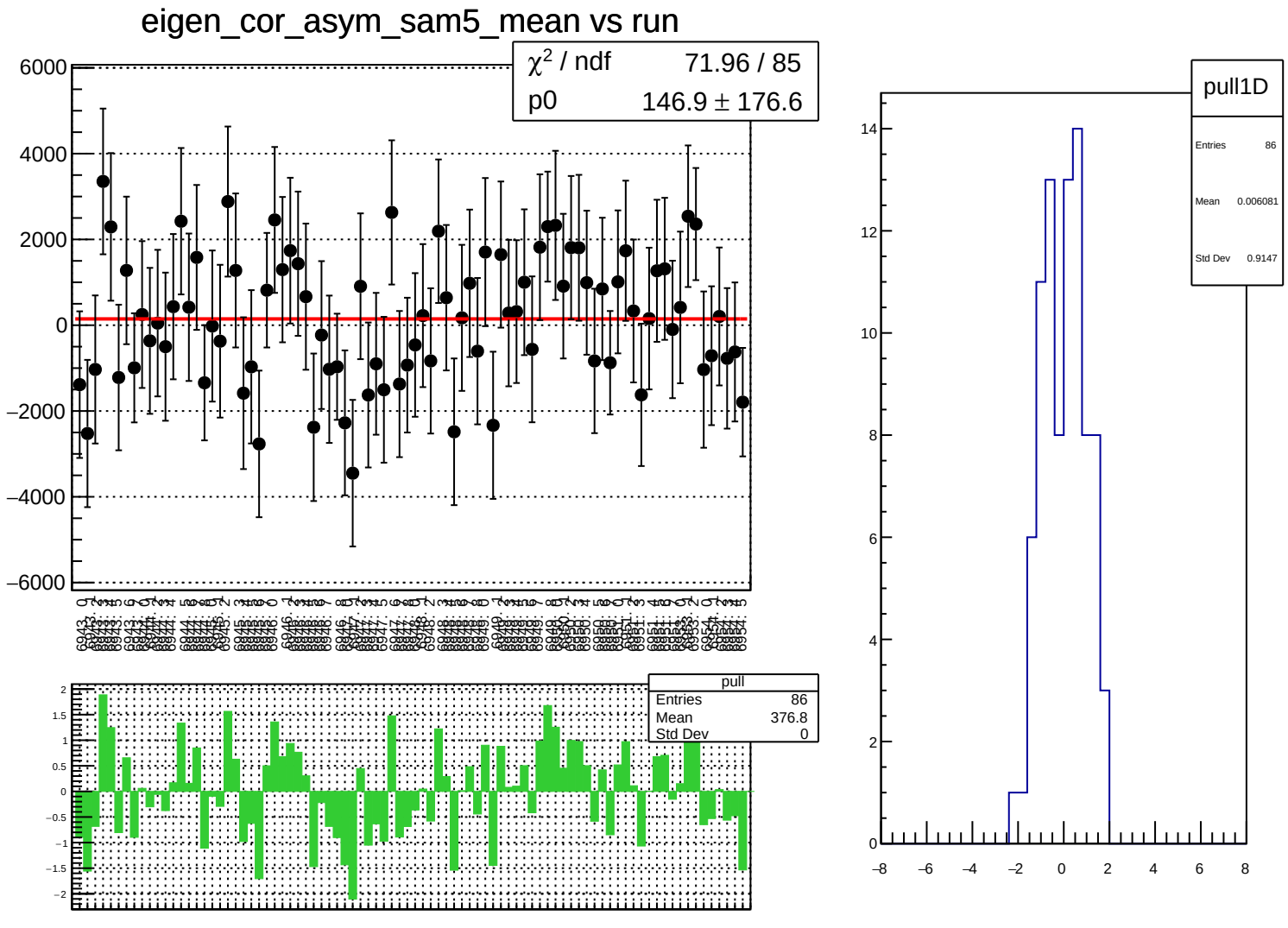

cor_asym_sam5_mean vs run
χ² / ndf 71.96 / 85
p0 146.9 ± 176.6
pull
Entries 86
Mean 376.8
Std Dev 0

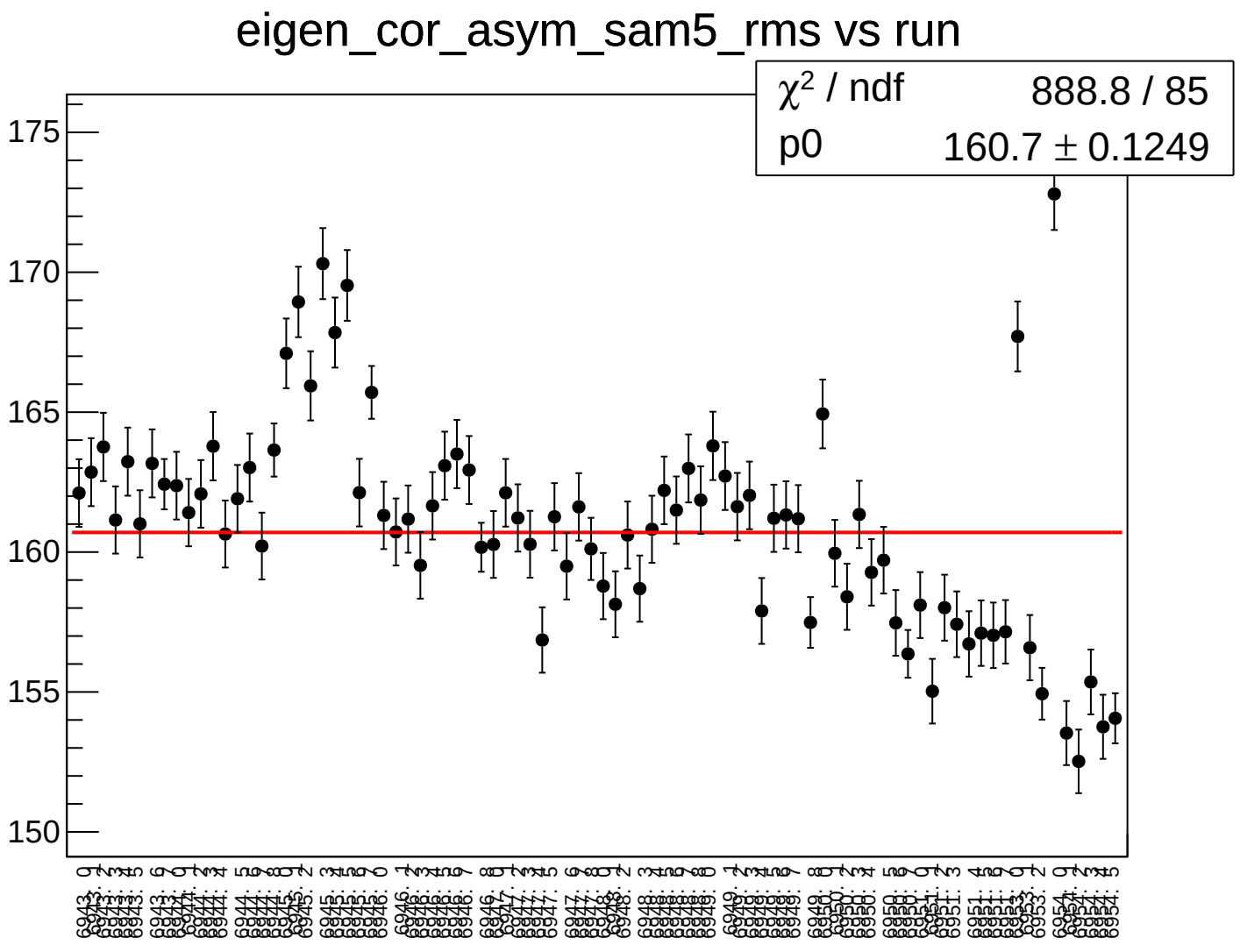

pull1D
Entries 86
Mean 0.006081
Std Dev 0.9147

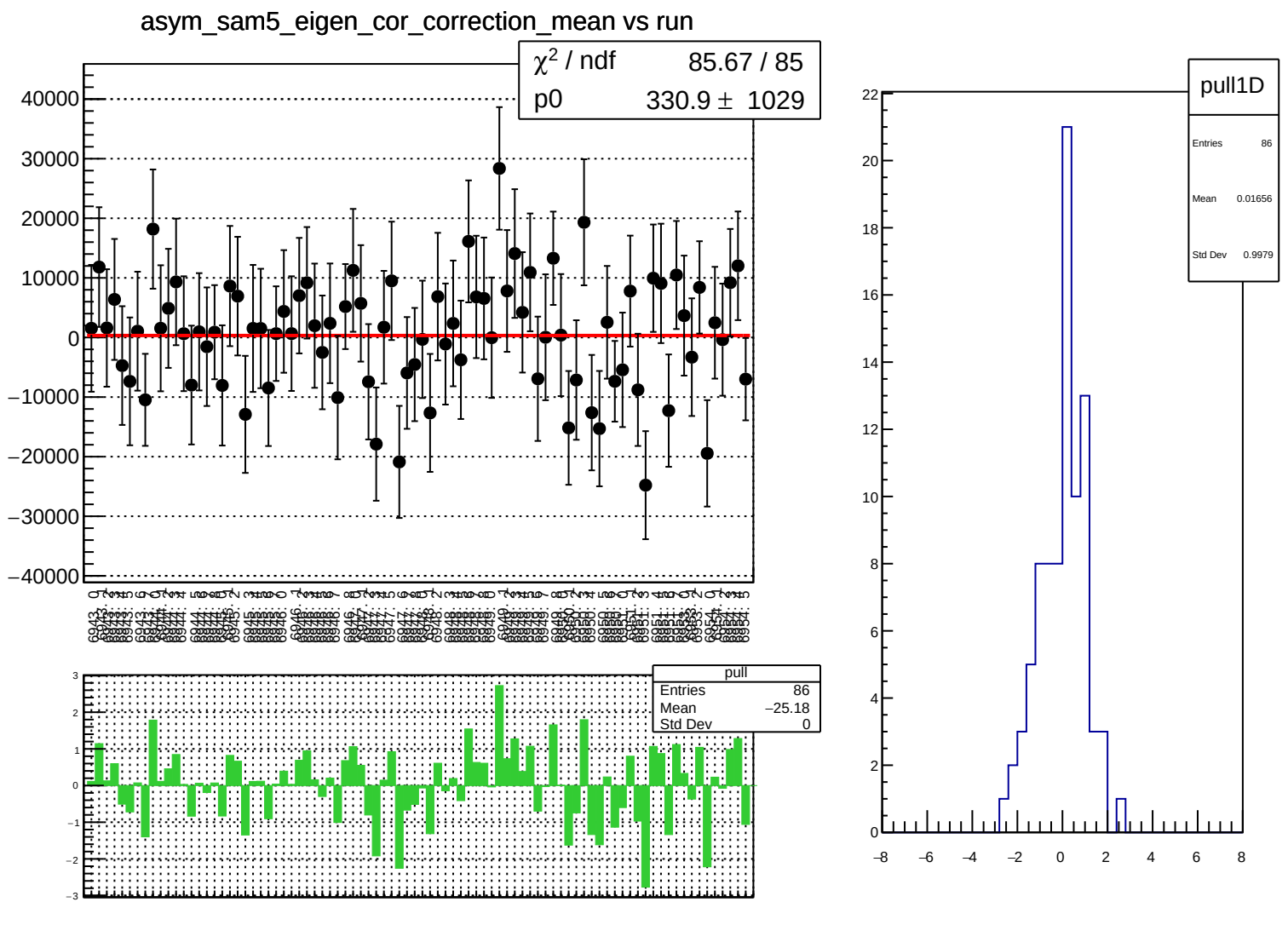

cor_asym_sam5_rms vs run
χ² / ndf 888.8 / 85
p0 160.7 ± 0.1249
175
170
165
160
155
150

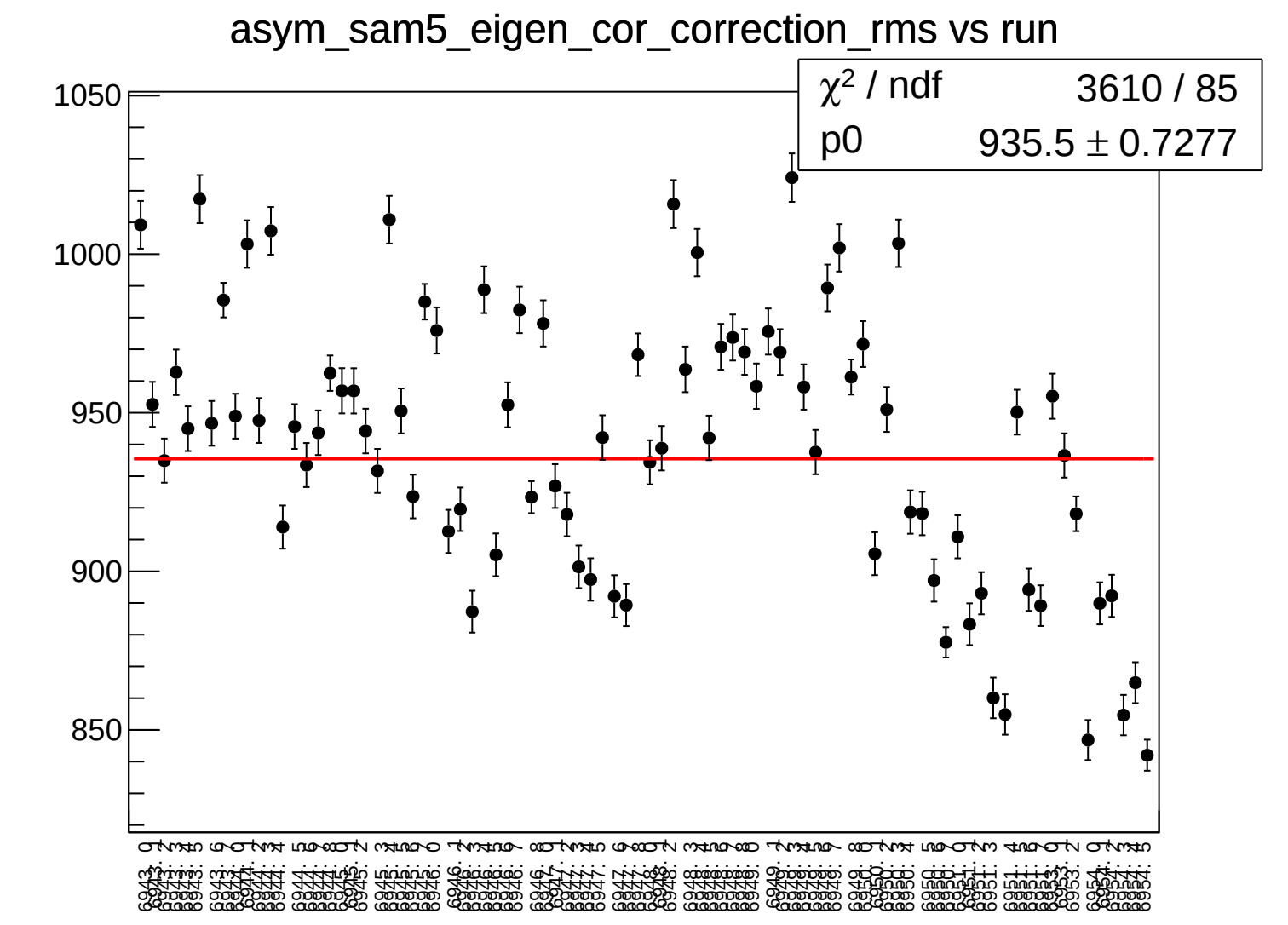

asym_sam5_cor_correction_mean vs run
χ² / ndf 85.67 / 85
p0 330.9 ± 1029
pull
Entries 86
Mean −25.18
Std Dev 0
pull1D
Entries 86
Mean 0.01656
Std Dev 0.9979

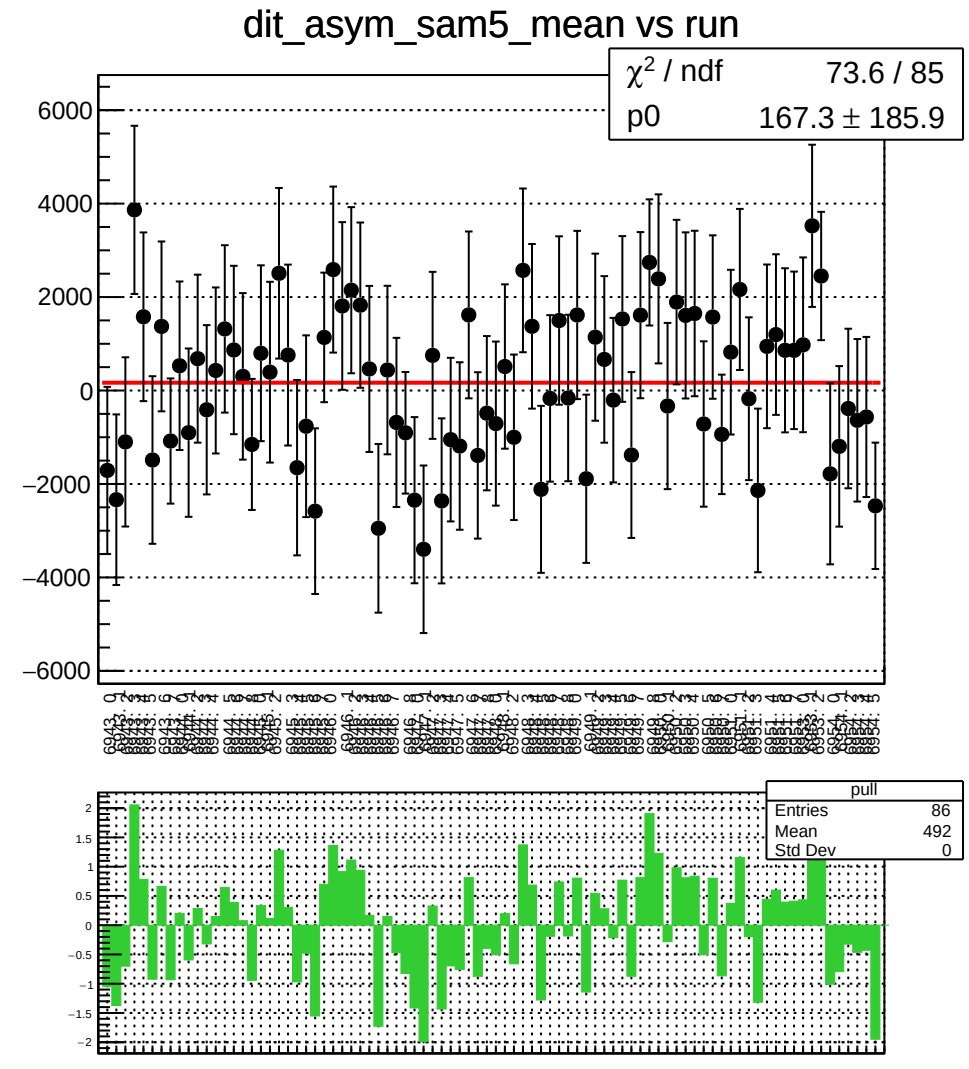

asym_sam5_cor_correction_rms vs run
χ² / ndf 3610 / 85
p0 935.5 ± 0.7277
1050
1000
950
900
850

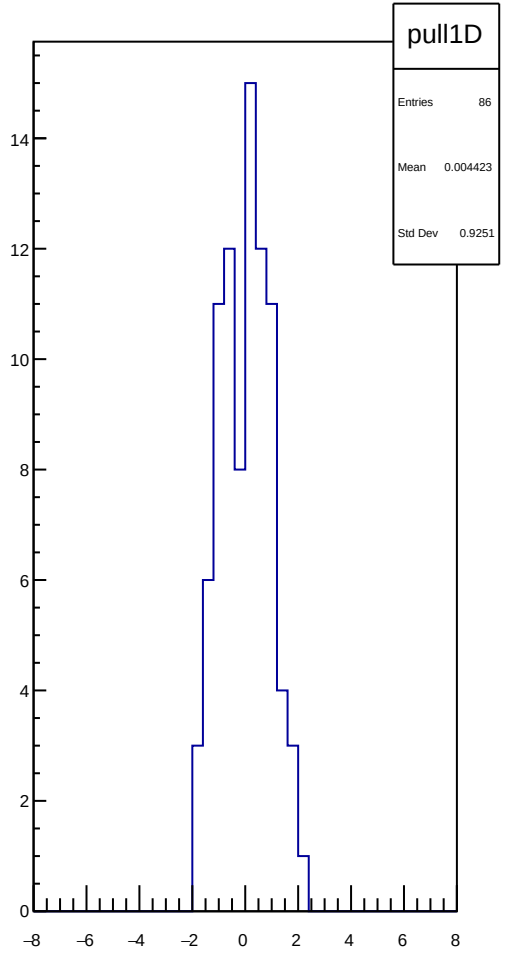

eigen_cor_asym_sam5_mean vs run
χ² / ndf 71.96 / 85
p0 146.9 ± 176.6
pull
Entries 86
Mean 376.8
Std Dev 0
pull1D
Entries 86
Mean 0.006081
Std Dev 0.9147

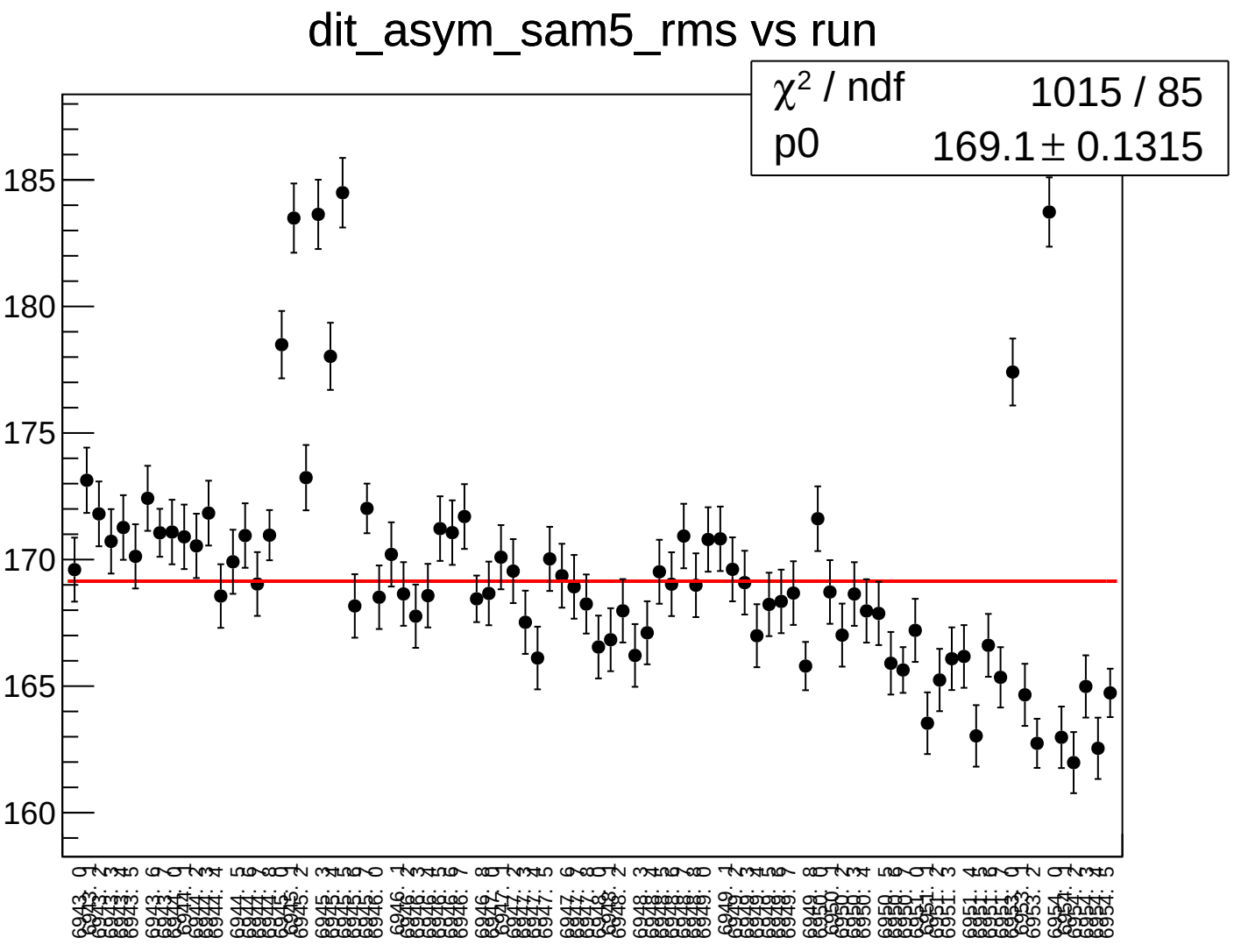

eigen_cor_asym_sam5_rms vs run
χ² / ndf 888.8 / 85
p0 160.7 ± 0.1249
175
170
165
160
155
150

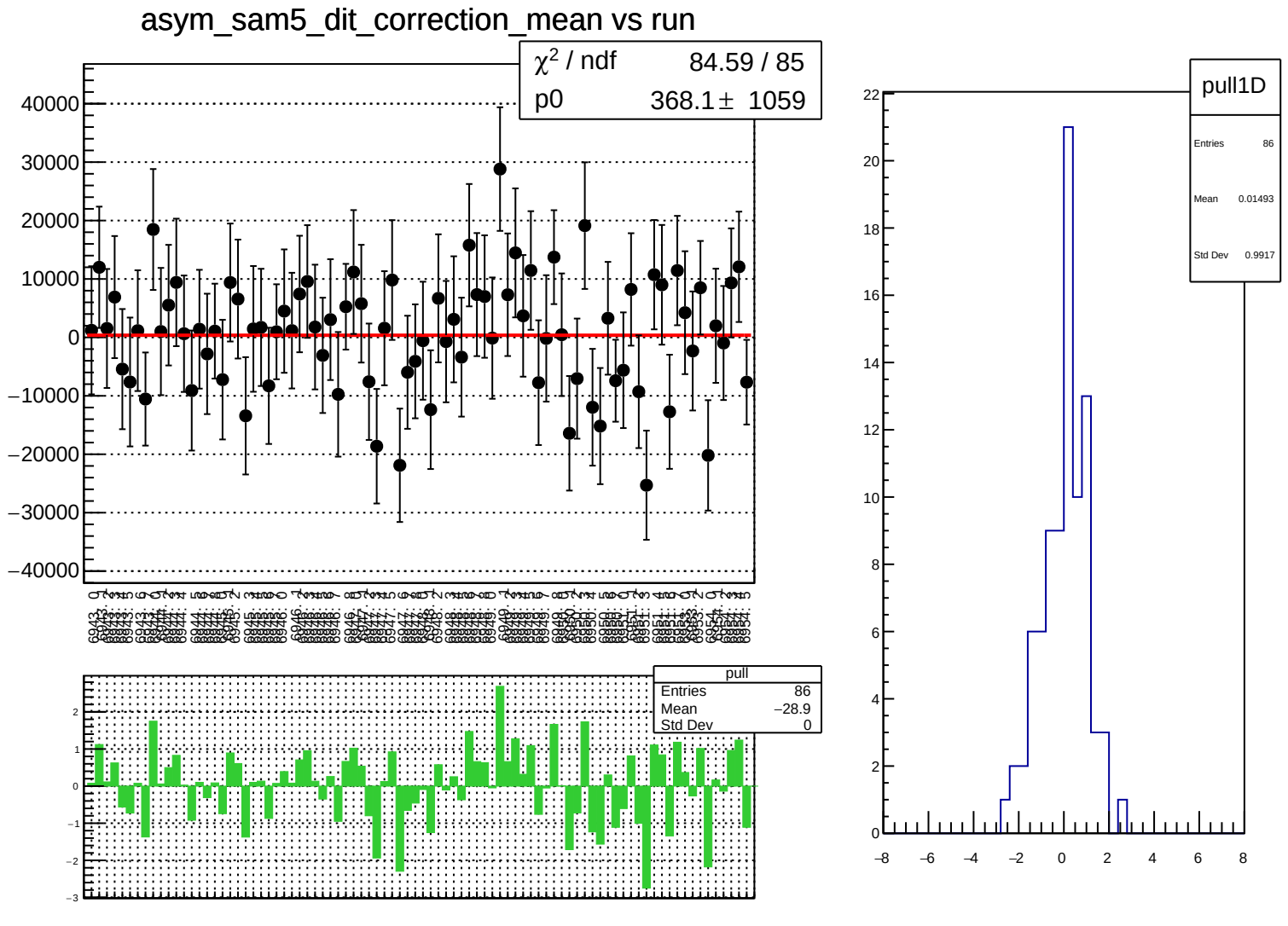

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 85.67 / 85
p0 330.9 ± 1029
pull
Entries 86
Mean −25.18
Std Dev 0
pull1D
Entries 86
Mean 0.01656
Std Dev 0.9979

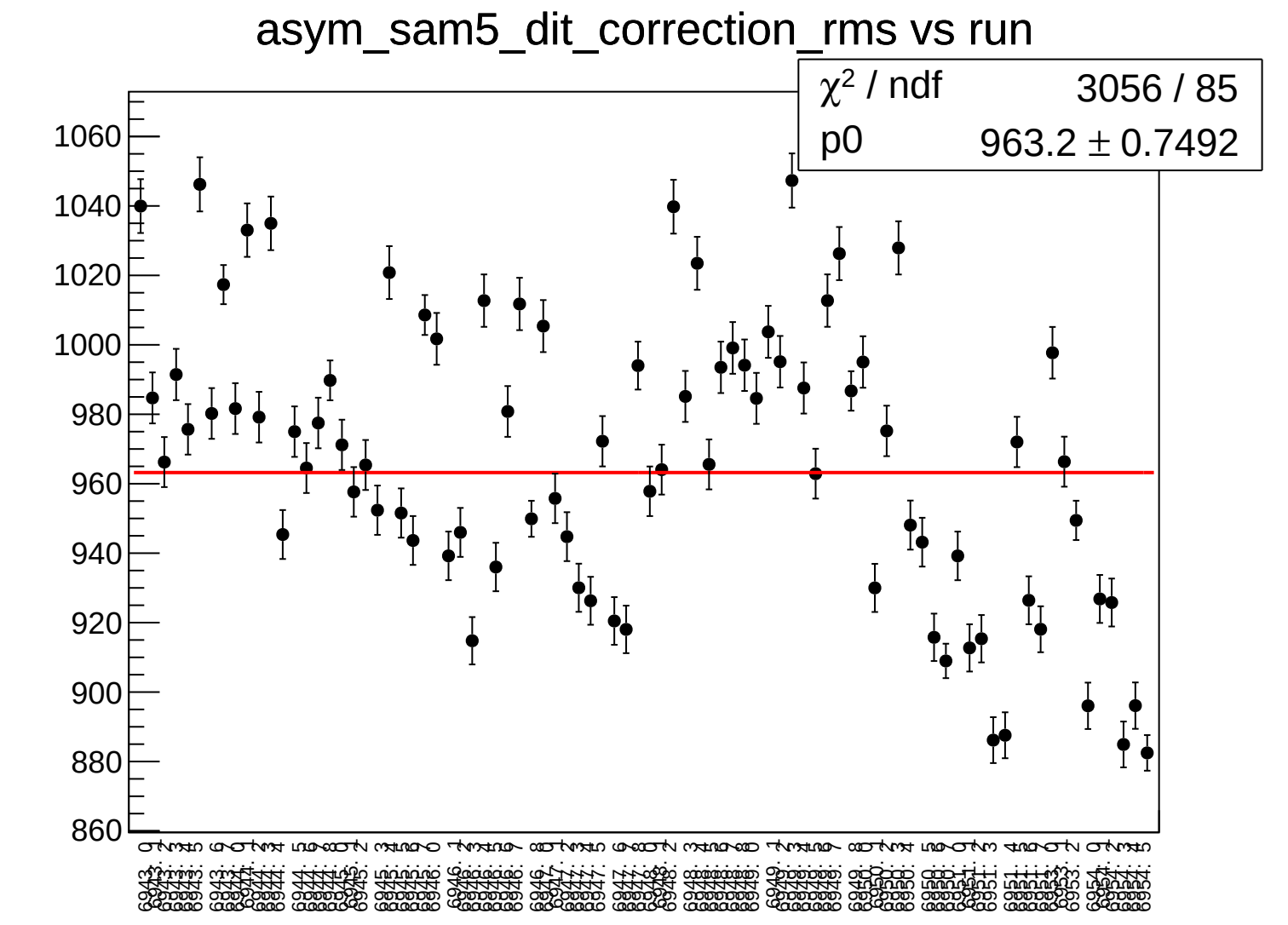

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 3610 / 85
p0 935.5 ± 0.7277
1050
1000
950
900
850

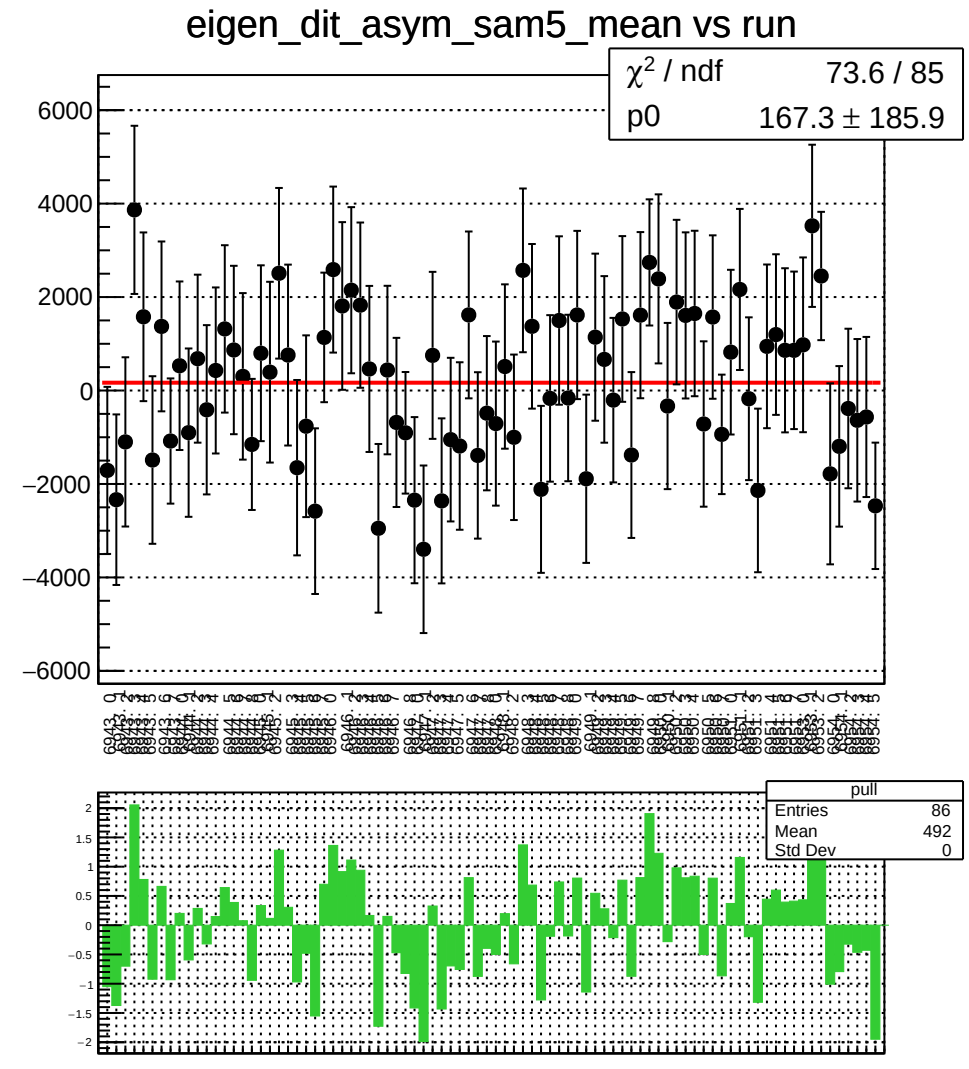

dit_asym_sam5_mean vs run
χ² / ndf 73.6 / 85
p0 167.3 ± 185.9
pull
Entries 86
Mean 492
Std Dev 0

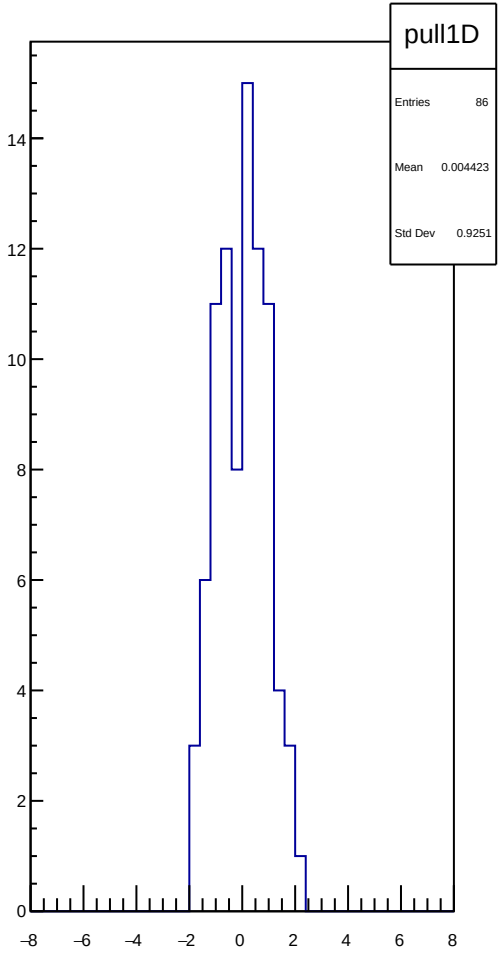

pull1D
Entries 86
Mean 0.004423
Std Dev 0.9251

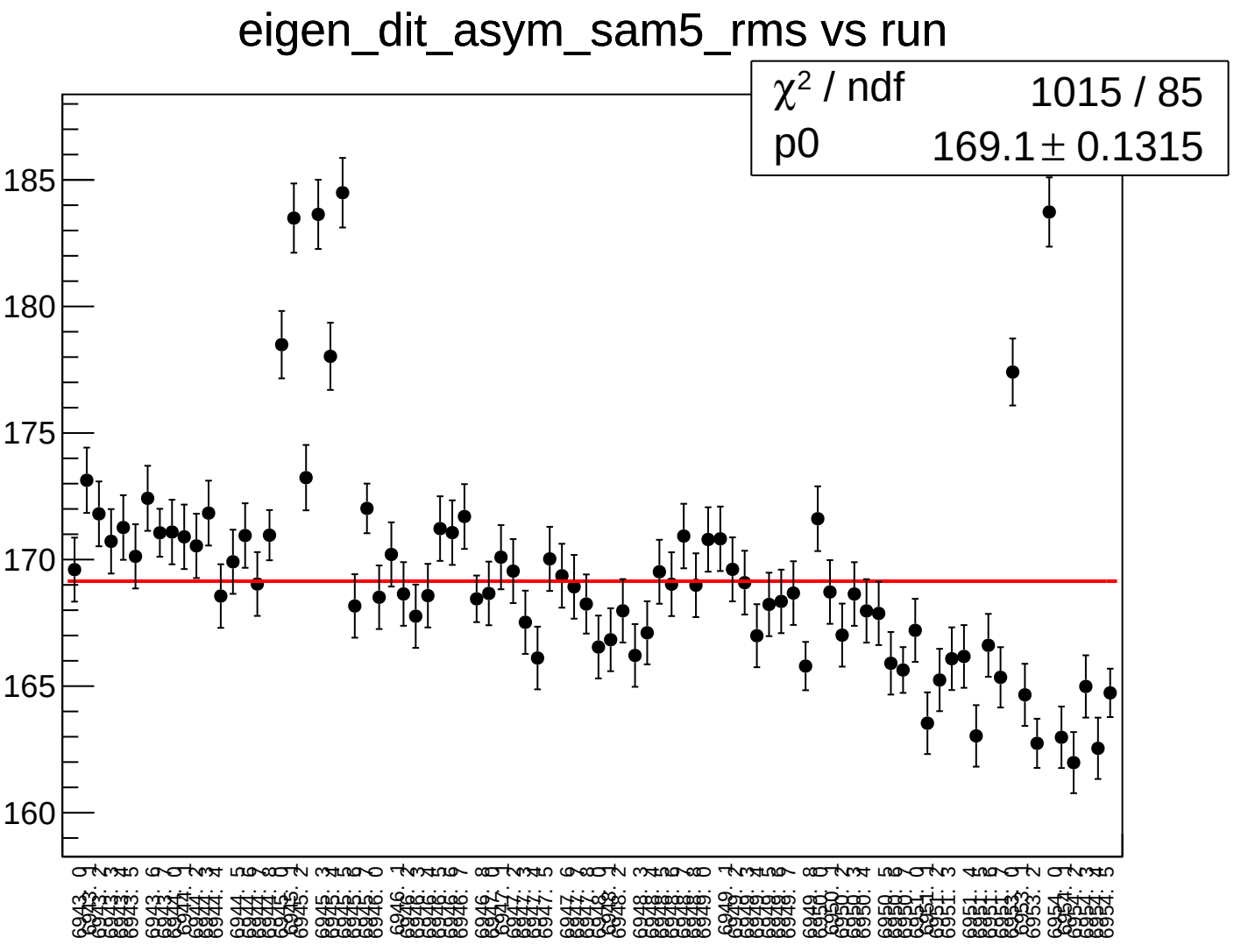

dit_asym_sam5_rms vs run
χ² / ndf 1015 / 85
p0 169.1 ± 0.1315
185
180
175
170
165
160

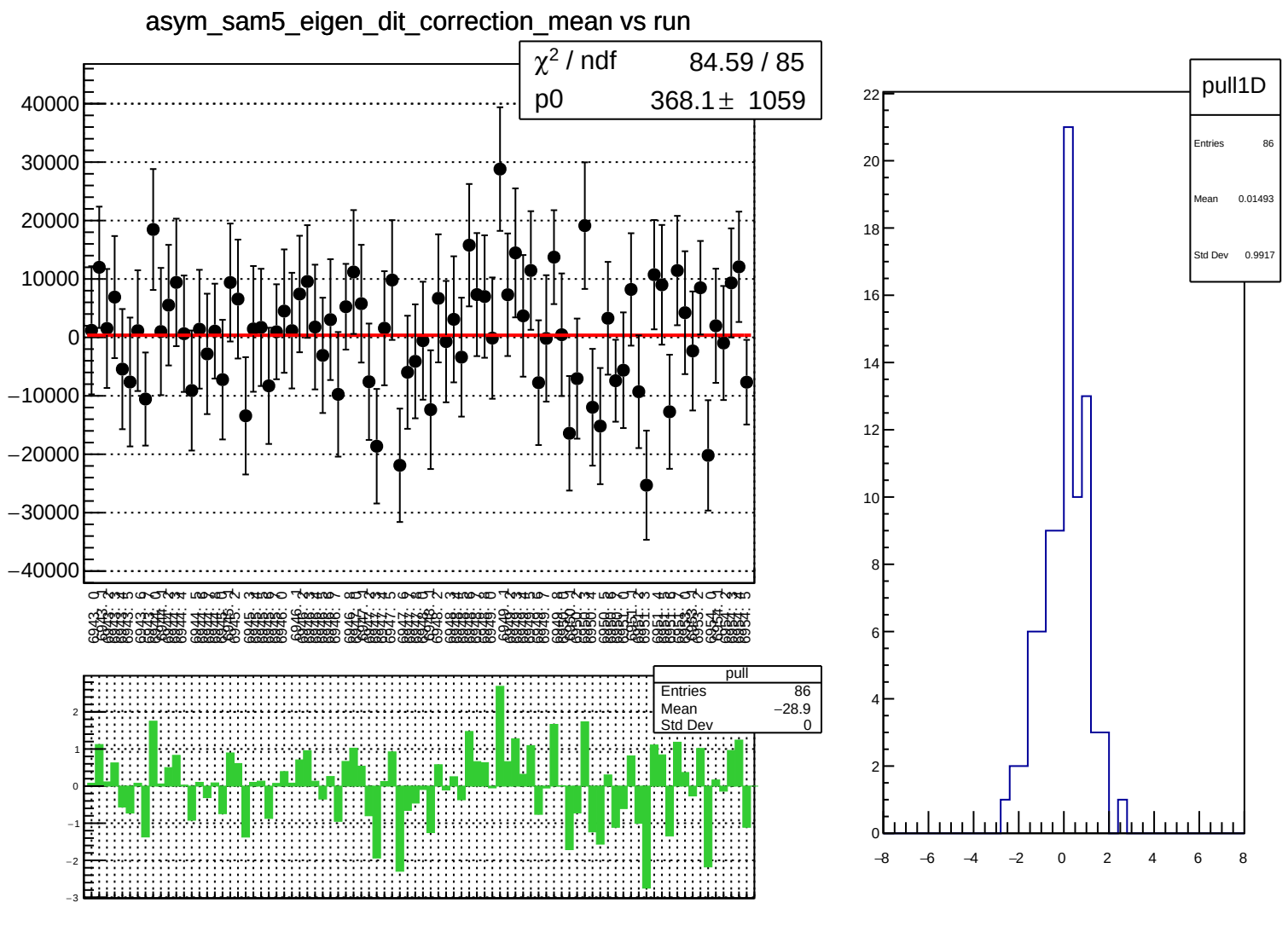

asym_sam5_dit_correction_mean vs run
χ² / ndf 84.59 / 85
p0 368.1 ± 1059
pull
Entries 86
Mean −28.9
Std Dev 0
pull1D
Entries 86
Mean 0.01493
Std Dev 0.9917

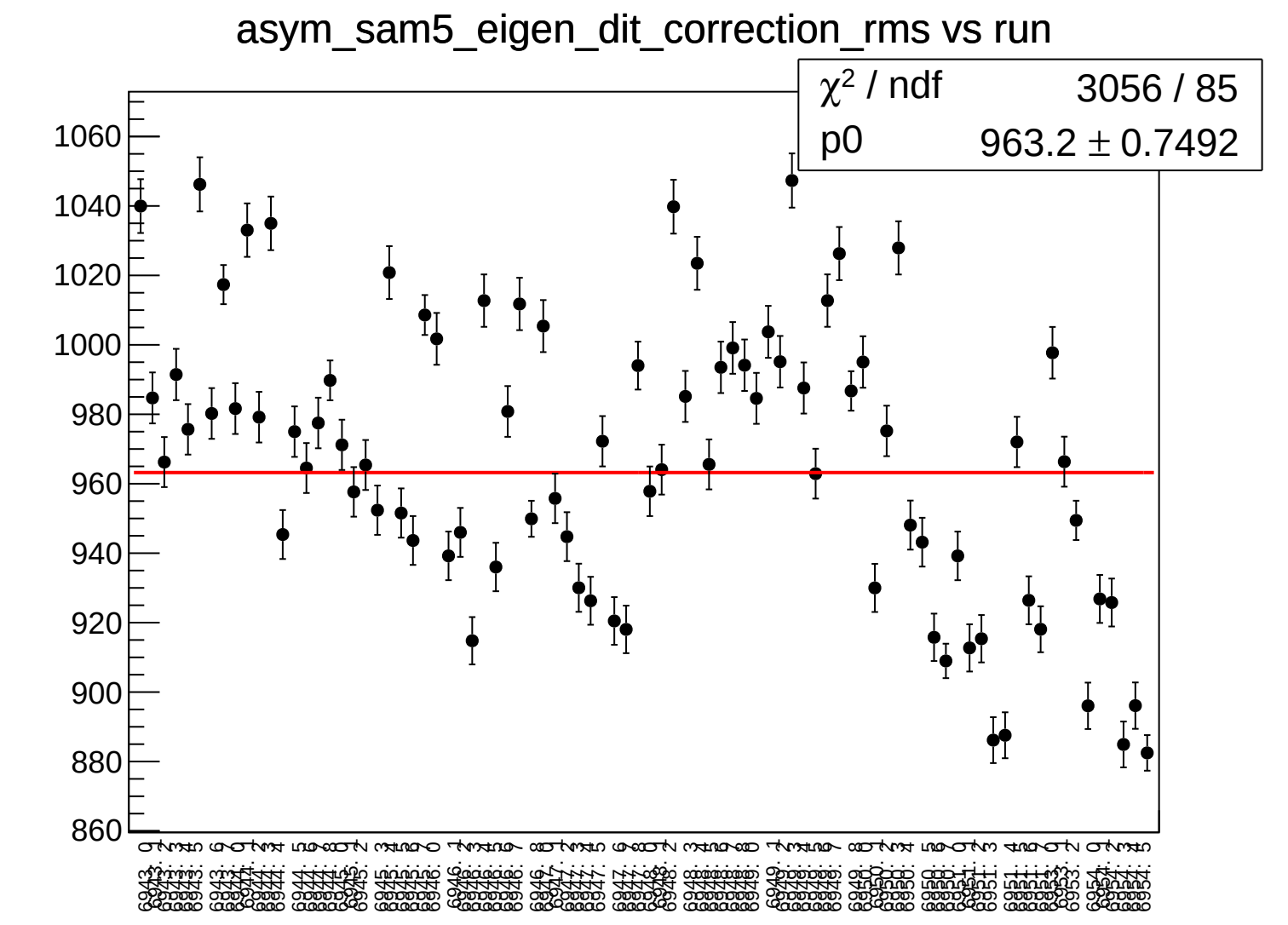

asym_sam5_dit_correction_rms vs run
χ² / ndf 3056 / 85
p0 963.2 ± 0.7492
1060
1040
1020
1000
980
960
940
920
900
880
860

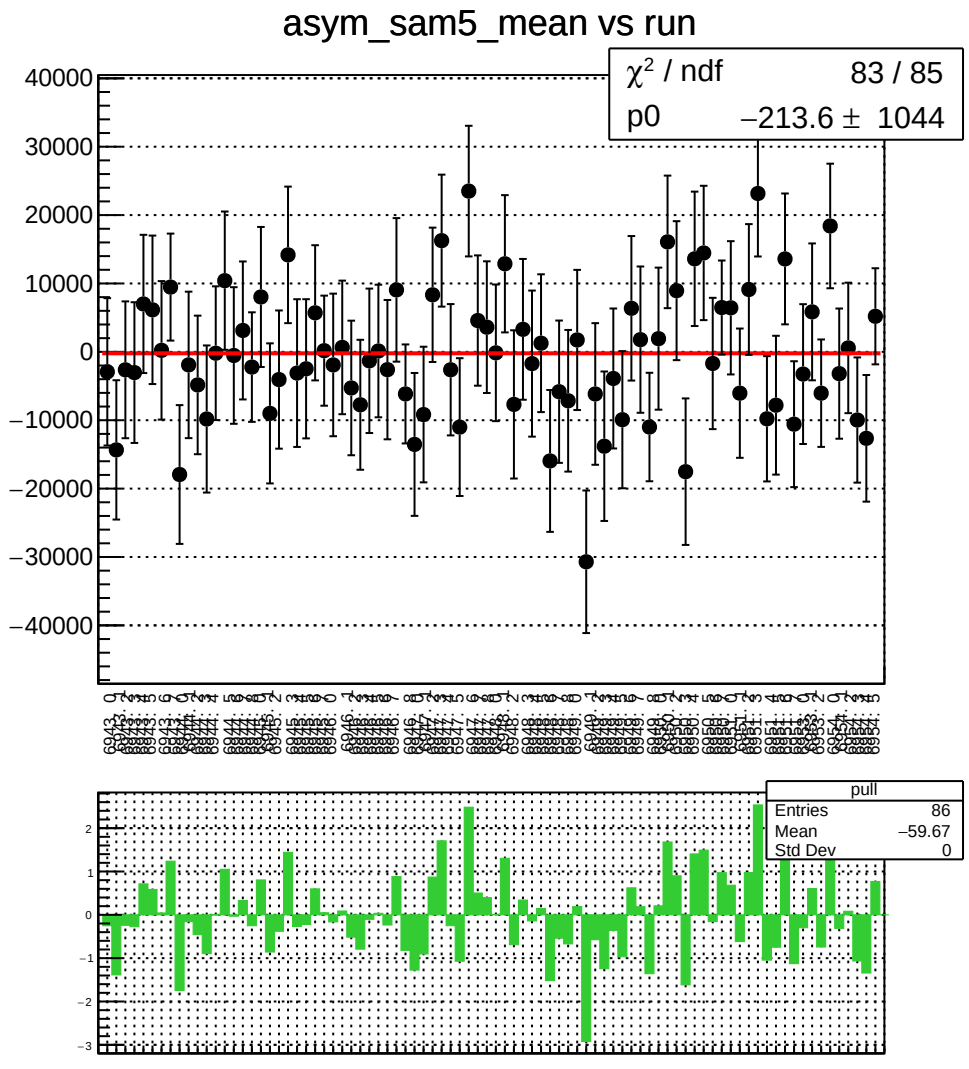

eigen_dit_asym_sam5_mean vs run
χ² / ndf 73.6 / 85
p0 167.3 ± 185.9
pull
Entries 86
Mean 492
Std Dev 0

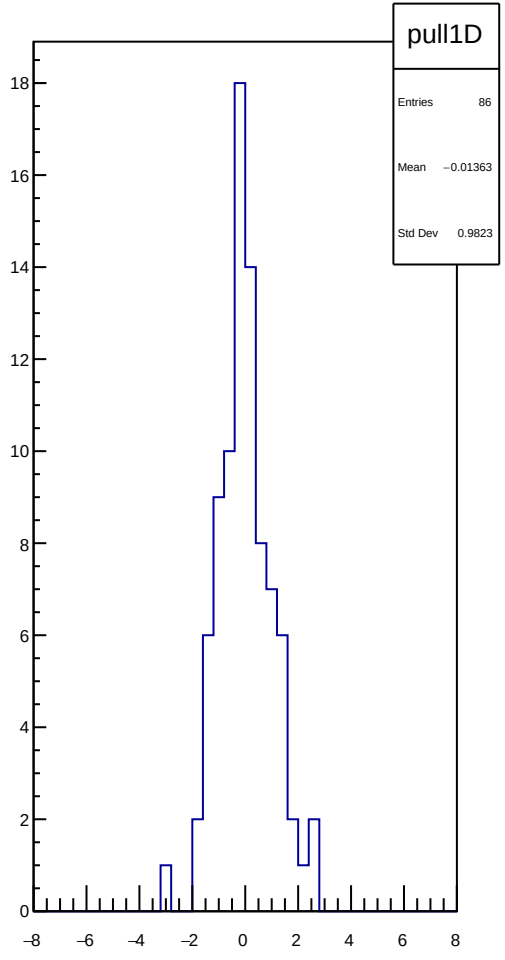

pull1D
Entries 86
Mean 0.004423
Std Dev 0.9251

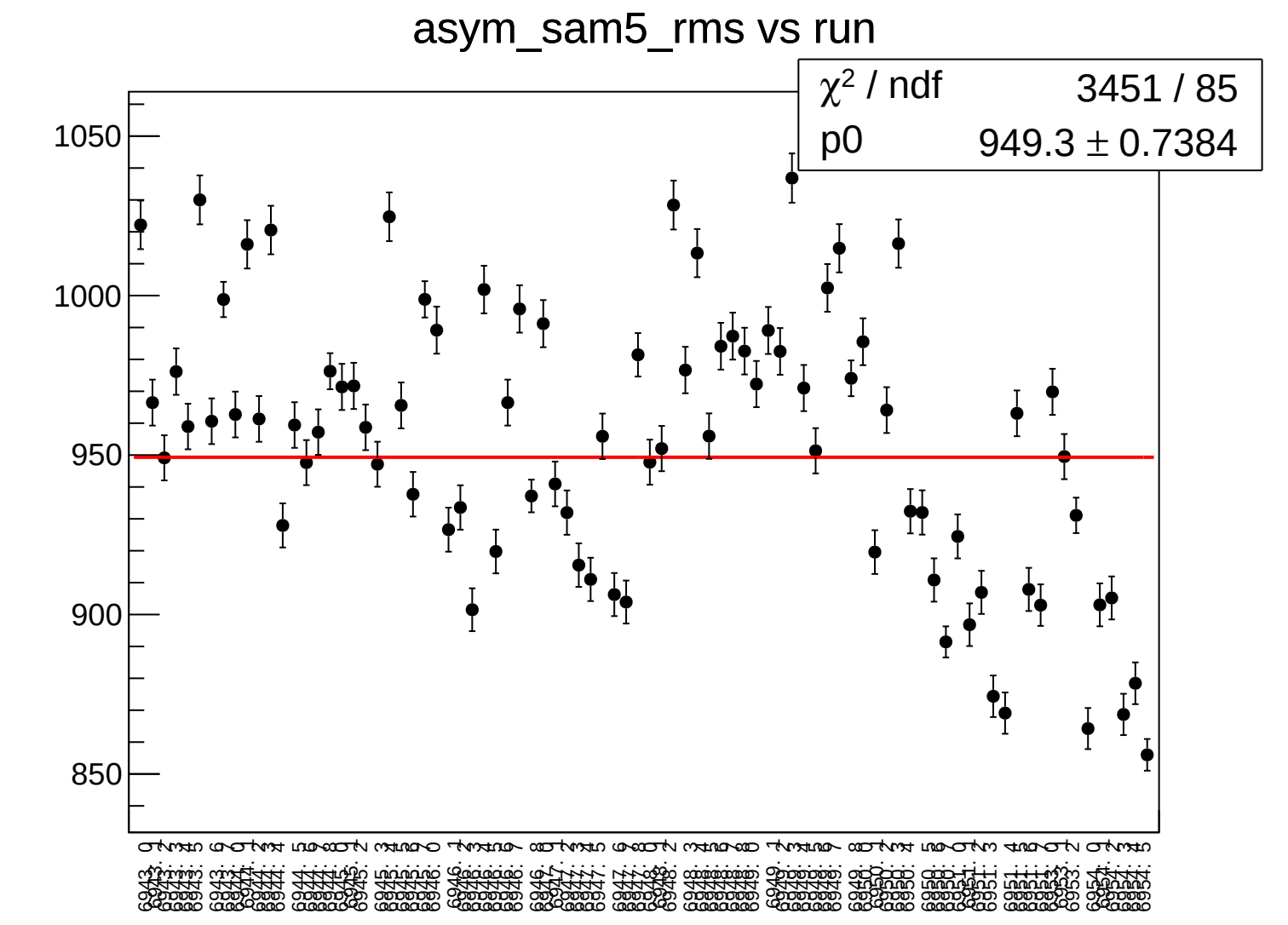

eigen_dit_asym_sam5_rms vs run
χ² / ndf 1015 / 85
p0 169.1 ± 0.1315
185
180
175
170
165
160

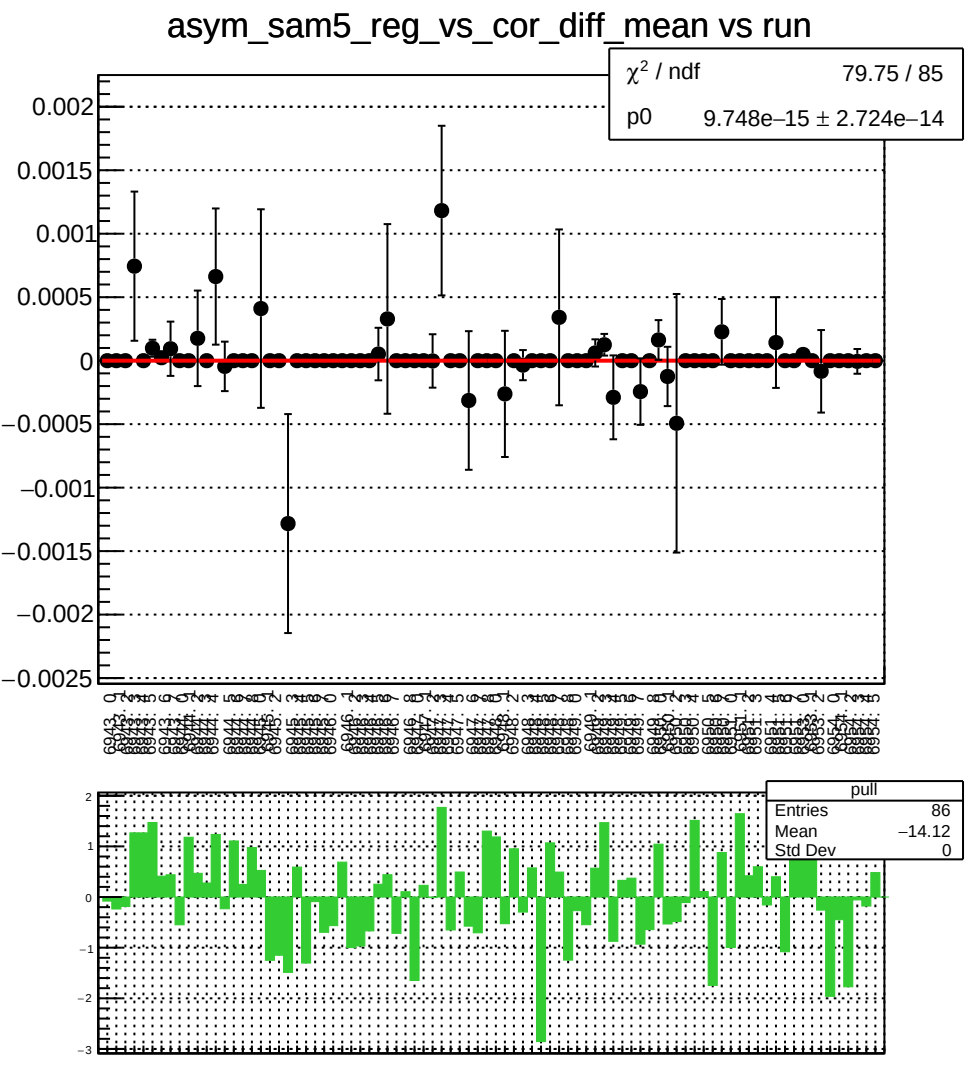

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 84.59 / 85
p0 368.1 ± 1059
pull
Entries 86
Mean −28.9
Std Dev 0
pull1D
Entries 86
Mean 0.01493
Std Dev 0.9917

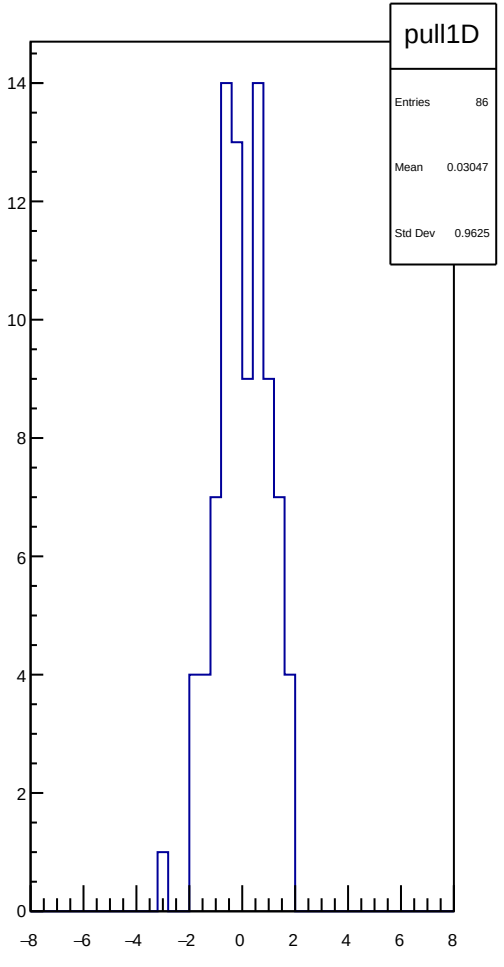

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 3056 / 85
p0 963.2 ± 0.7492
1060
1040
1020
1000
980
960
940
920
900
880
860

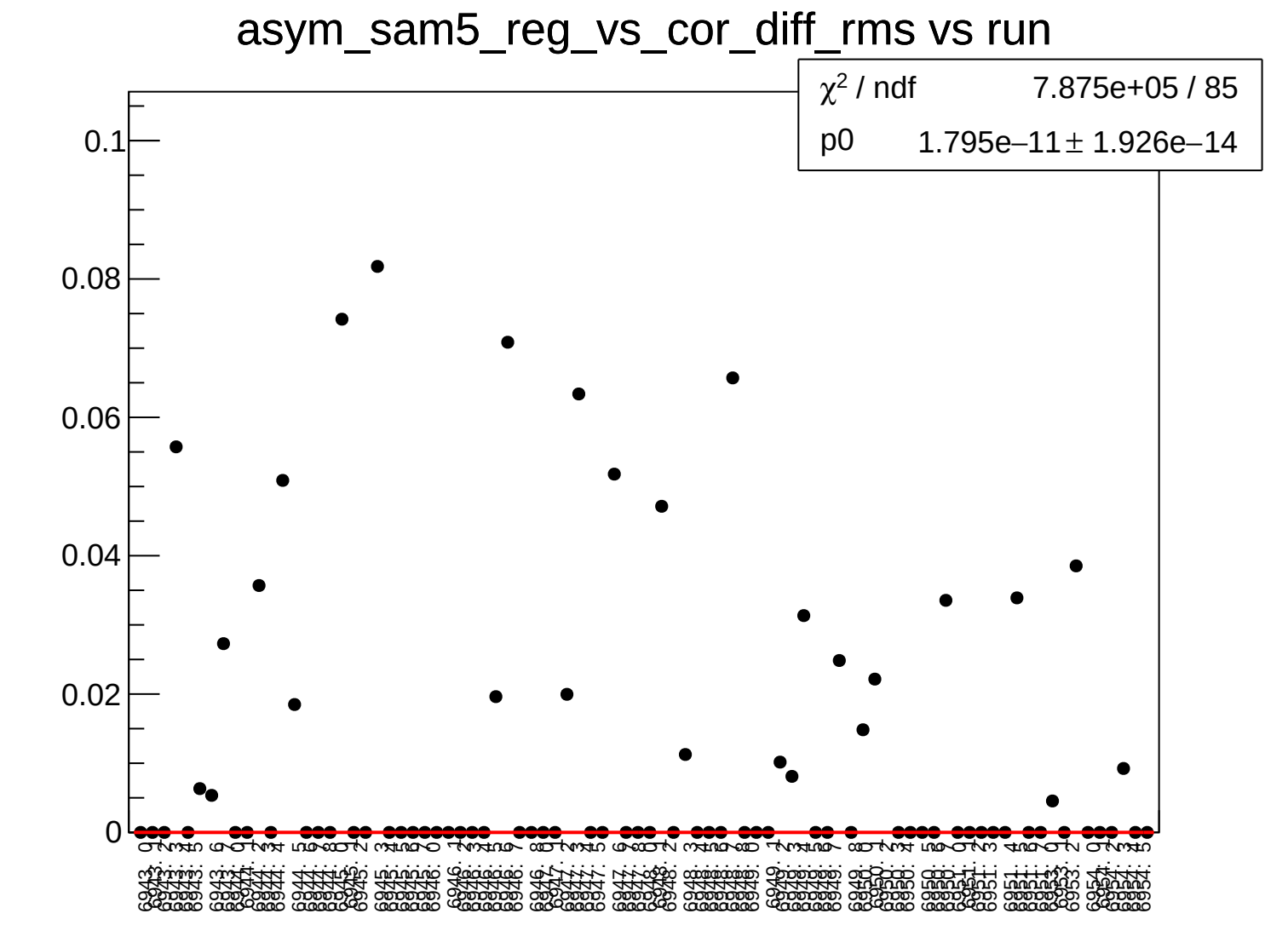

asym_sam5_mean vs run
χ² / ndf 83 / 85
p0 −213.6 ± 1044
pull
Entries 86
Mean −59.67
Std Dev 0

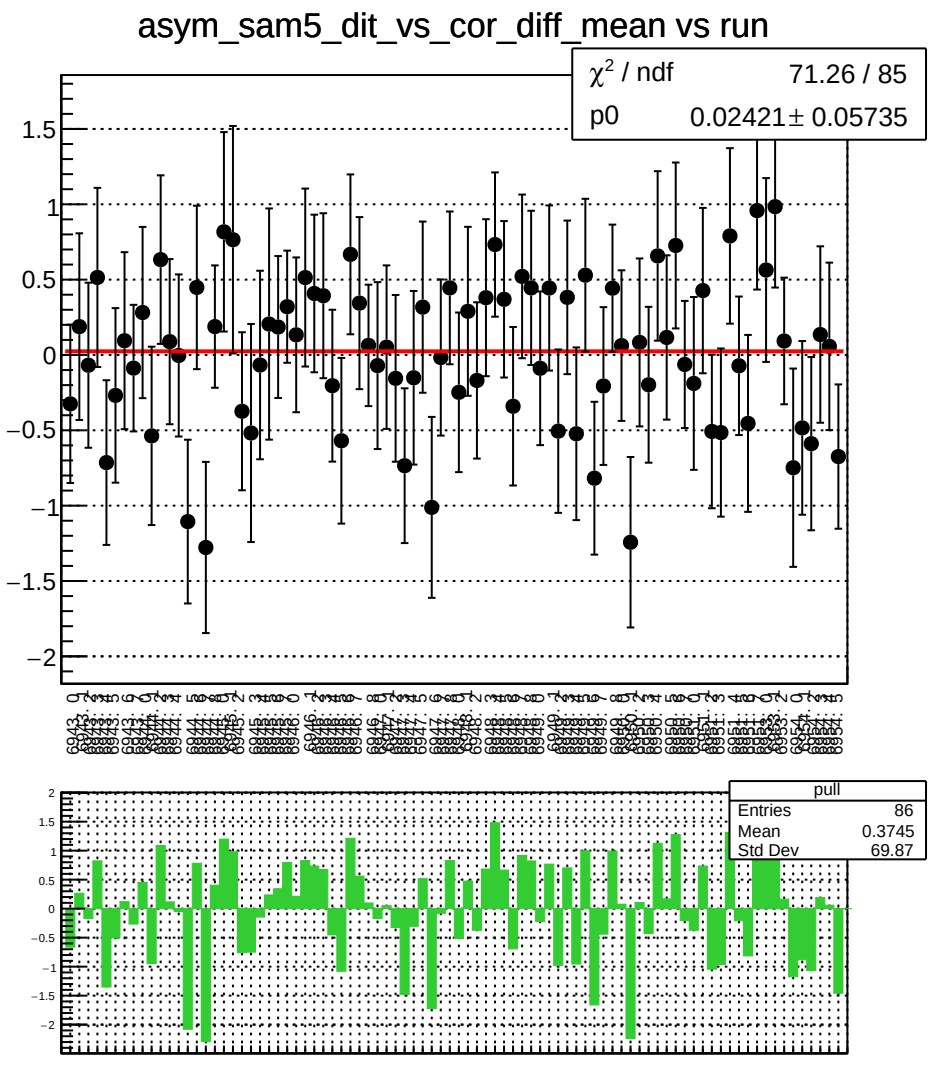

pull1D
Entries 86
Mean −0.01363
Std Dev 0.9823

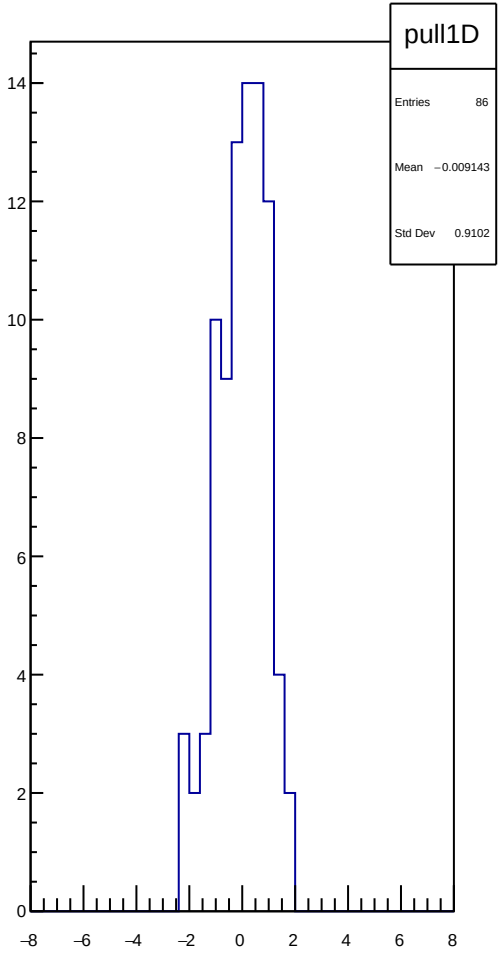

asym_sam5_rms vs run
χ² / ndf 3451 / 85
p0 949.3 ± 0.7384
1050
1000
950
900
850

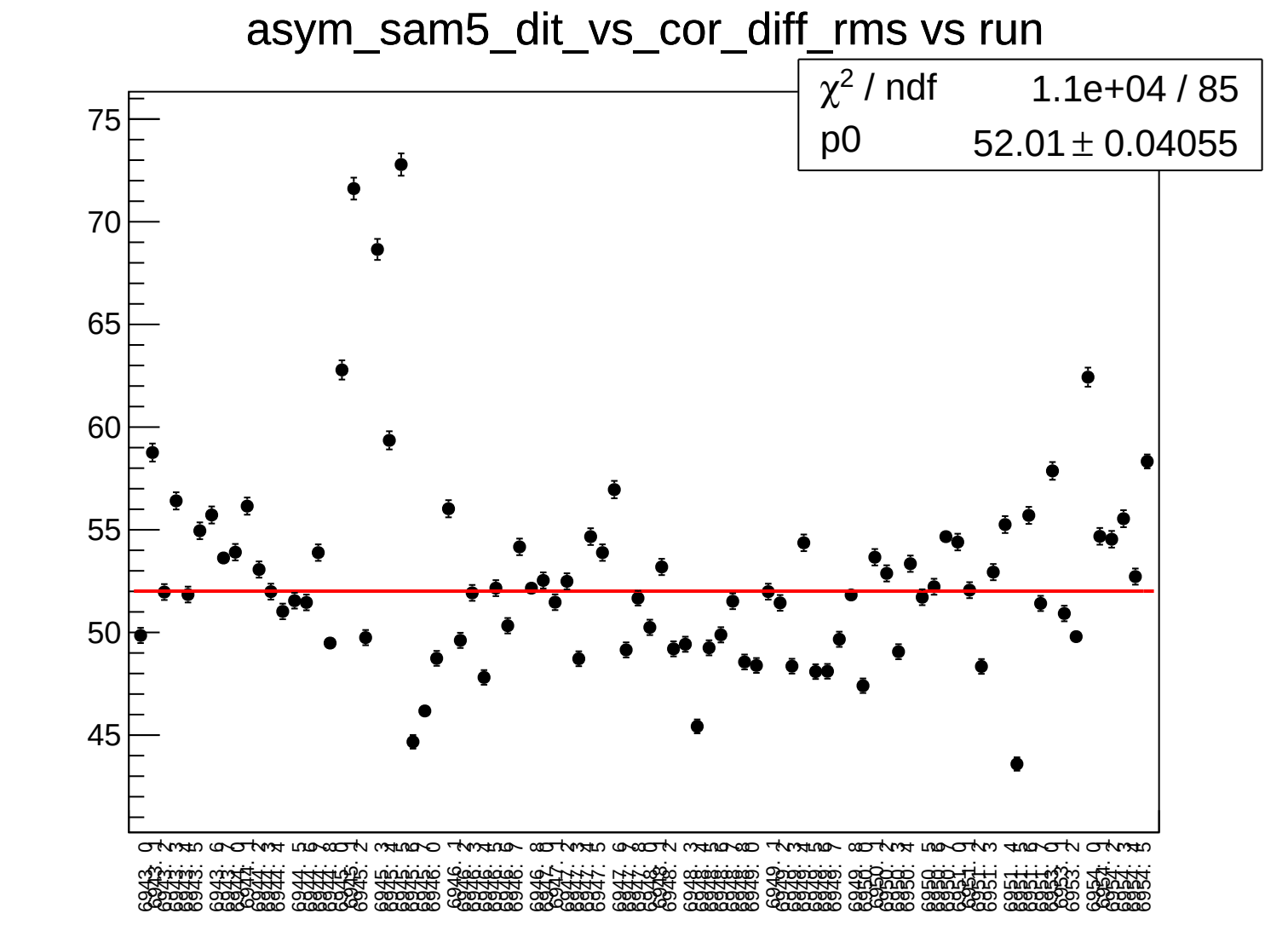

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 79.75 / 85
p0 9.748e−15 ± 2.724e−14
pull
Entries 86
Mean −14.12
Std Dev 0

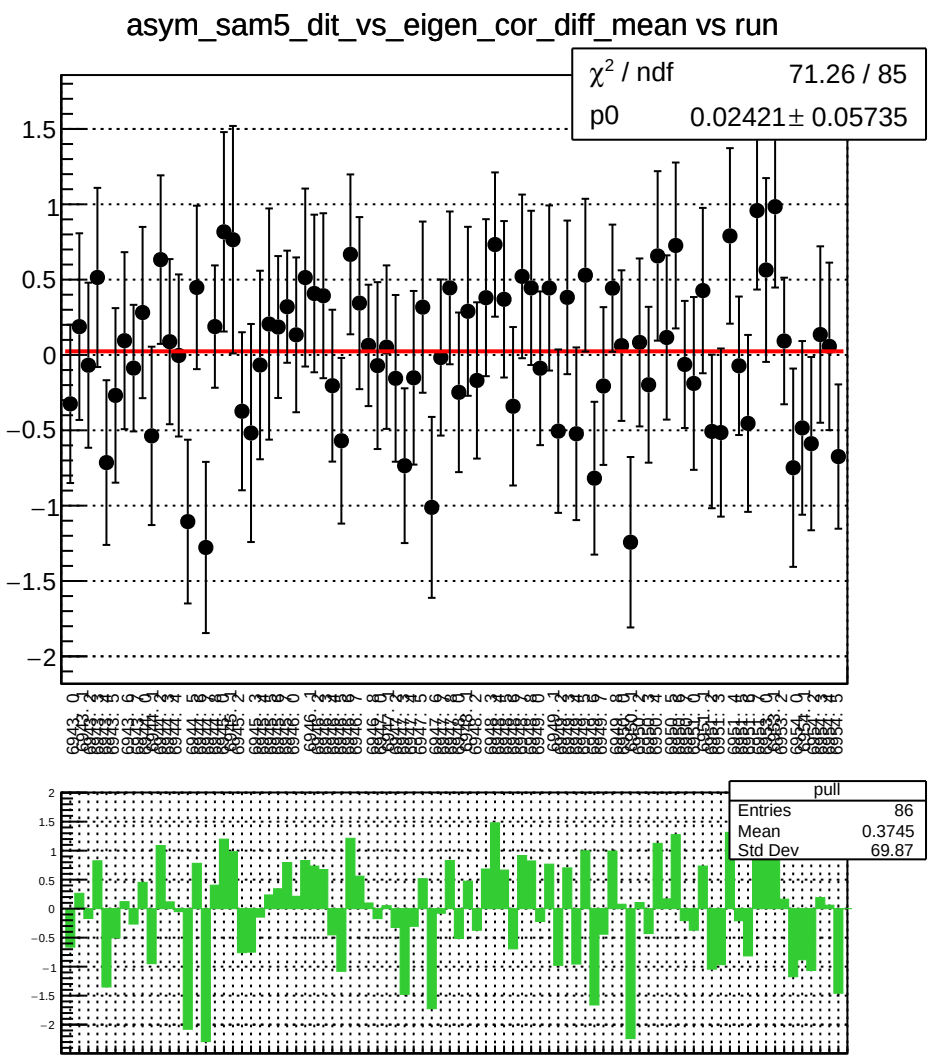

pull1D
Entries 86
Mean 0.03047
Std Dev 0.9625

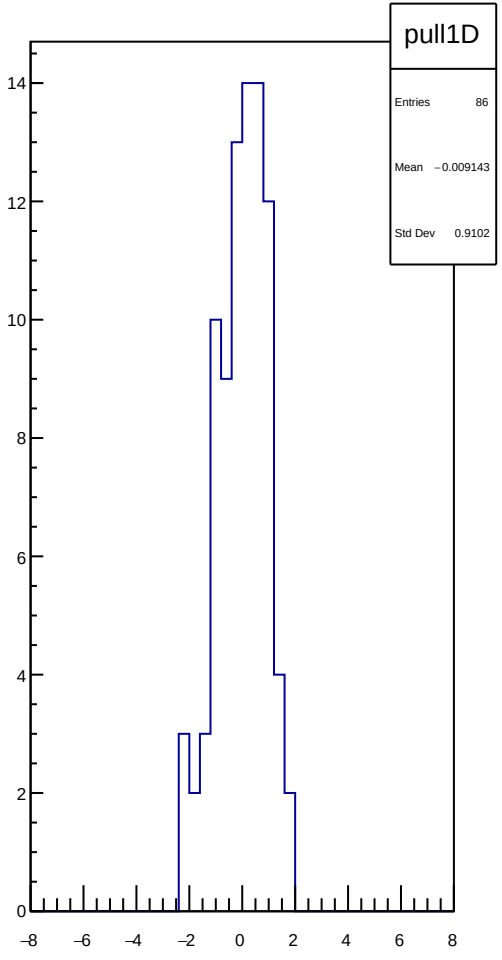

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 7.875e+05 / 85
p0 1.795e−11 ± 1.926e−14
0.1
0.08
0.06
0.04
0.02
0

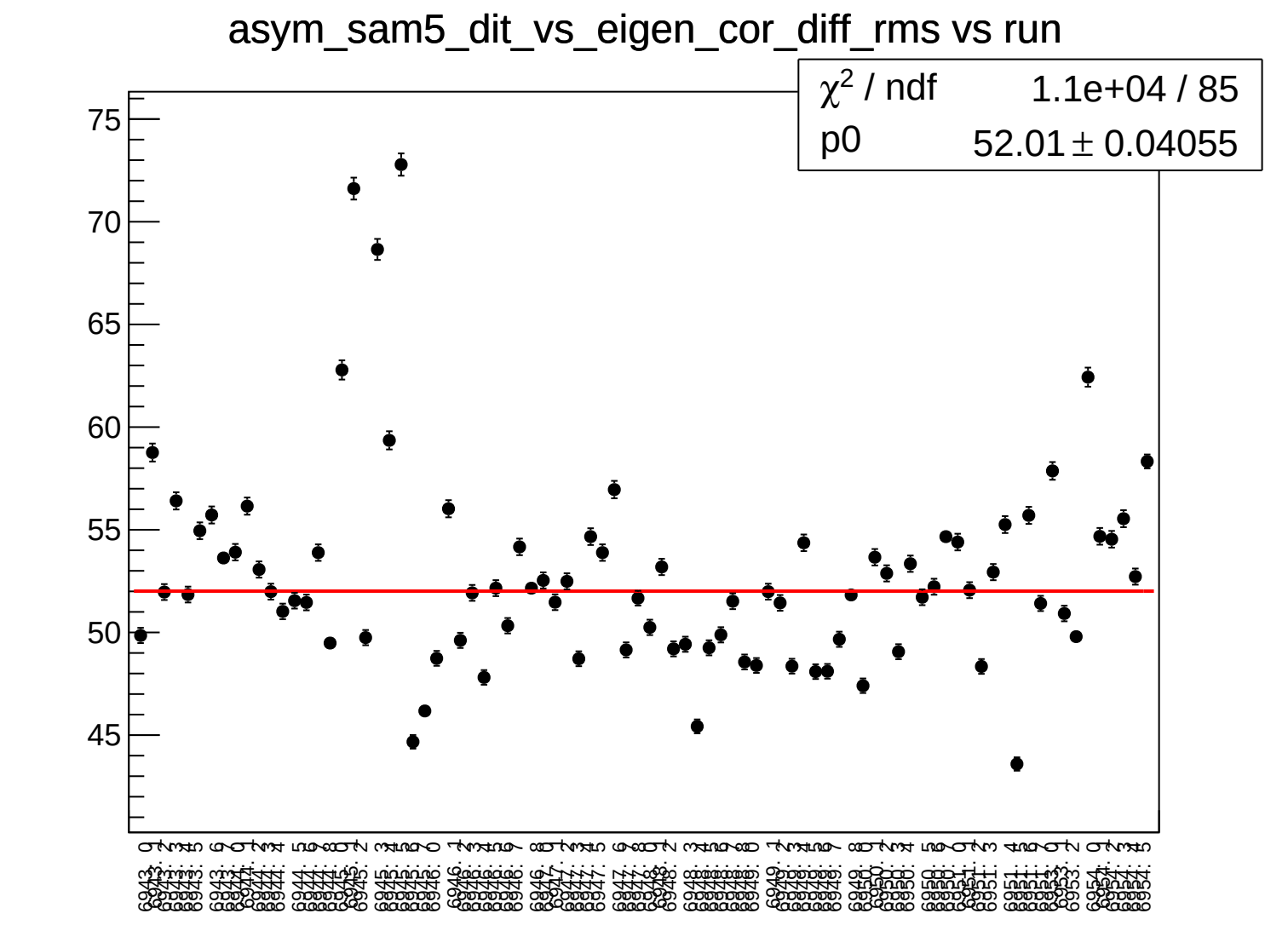

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 71.26 / 85
p0 0.02421 ± 0.05735
pull
Entries 86
Mean 0.3745
Std Dev 69.87

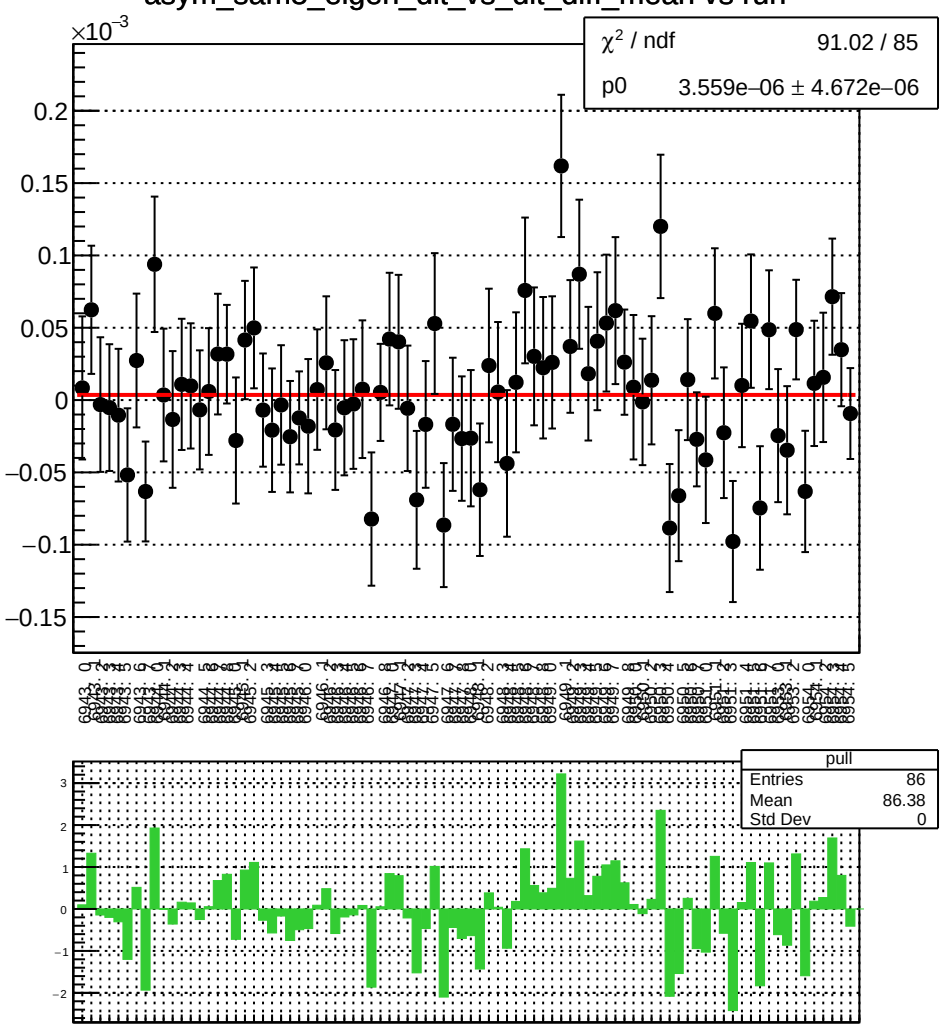

pull1D
Entries 86
Mean −0.009143
Std Dev 0.9102

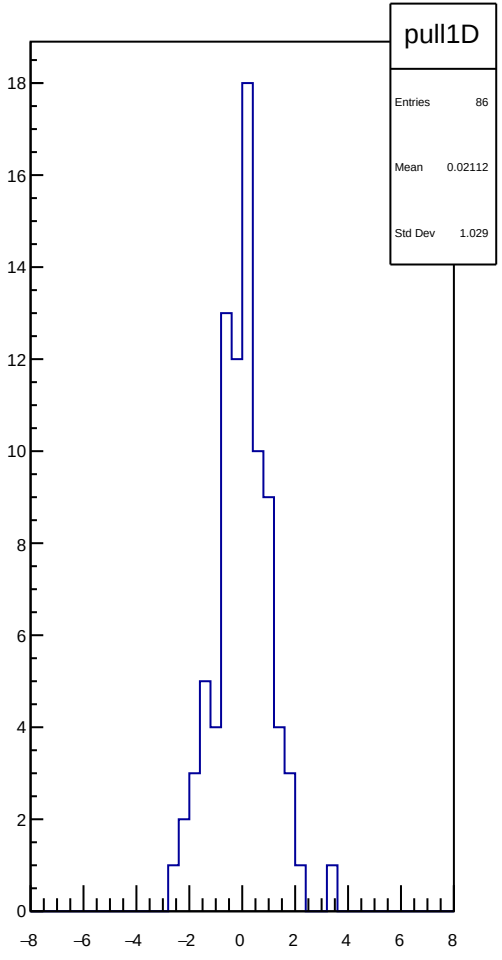

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 1.1e+04 / 85
p0 52.01 ± 0.04055
75
70
65
60
55
50
45

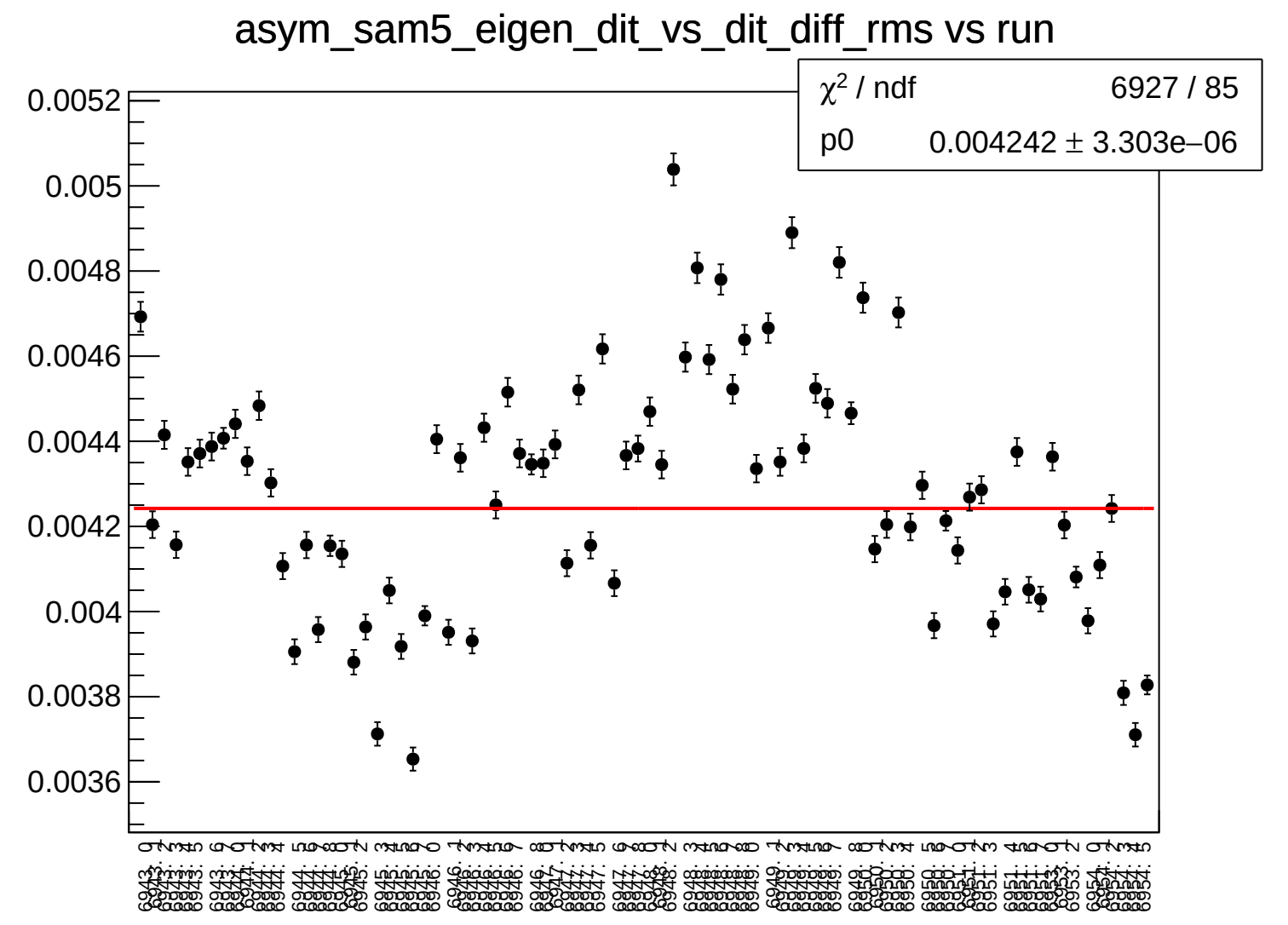

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.26 / 85
p0 0.02421 ± 0.05735
pull
Entries 86
Mean 0.3745
Std Dev 69.87

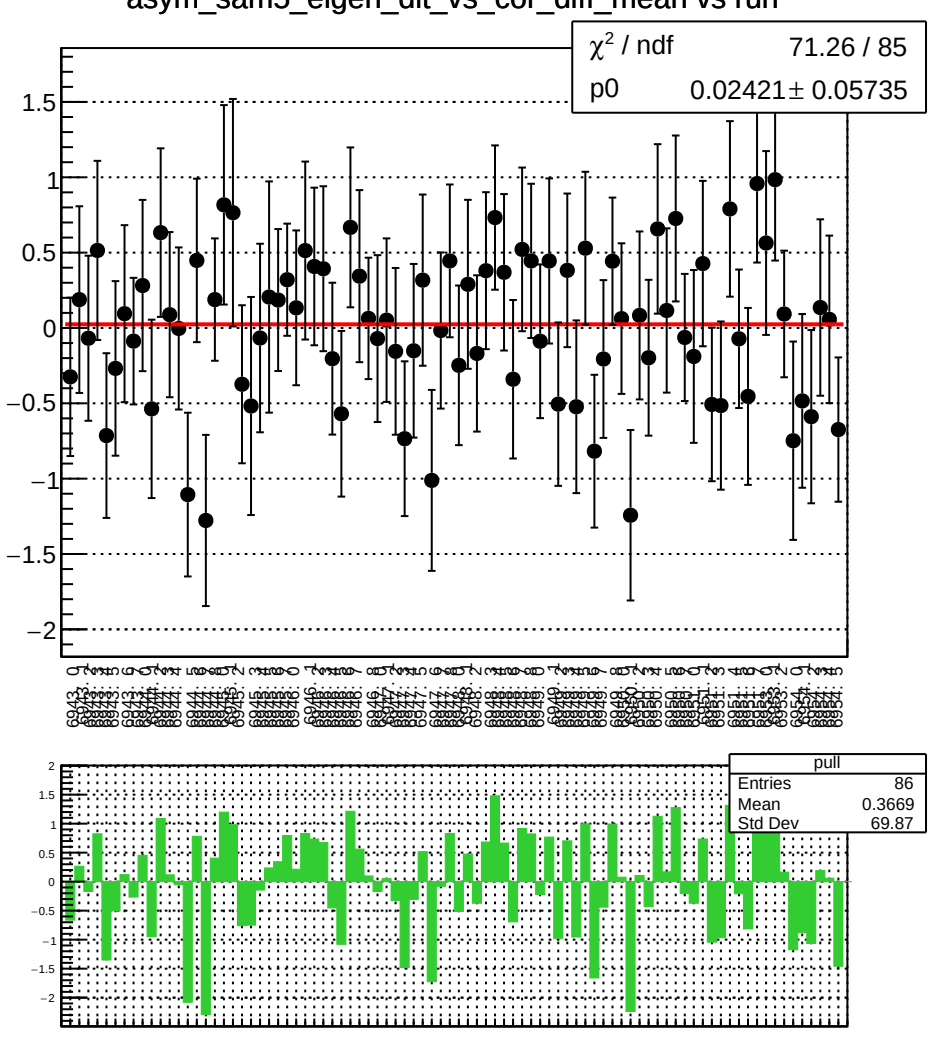

pull1D
Entries 86
Mean −0.009143
Std Dev 0.9102

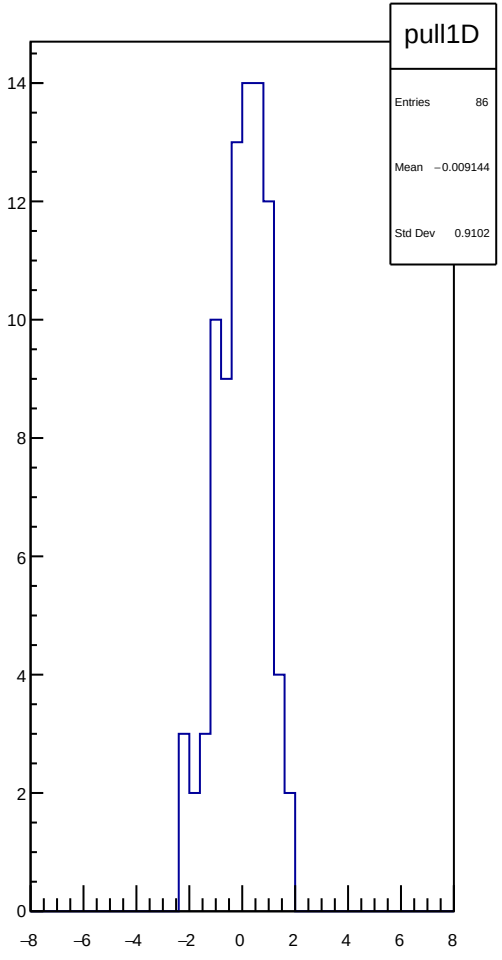

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.1e+04 / 85
p0 52.01 ± 0.04055
75
70
65
60
55
50
45

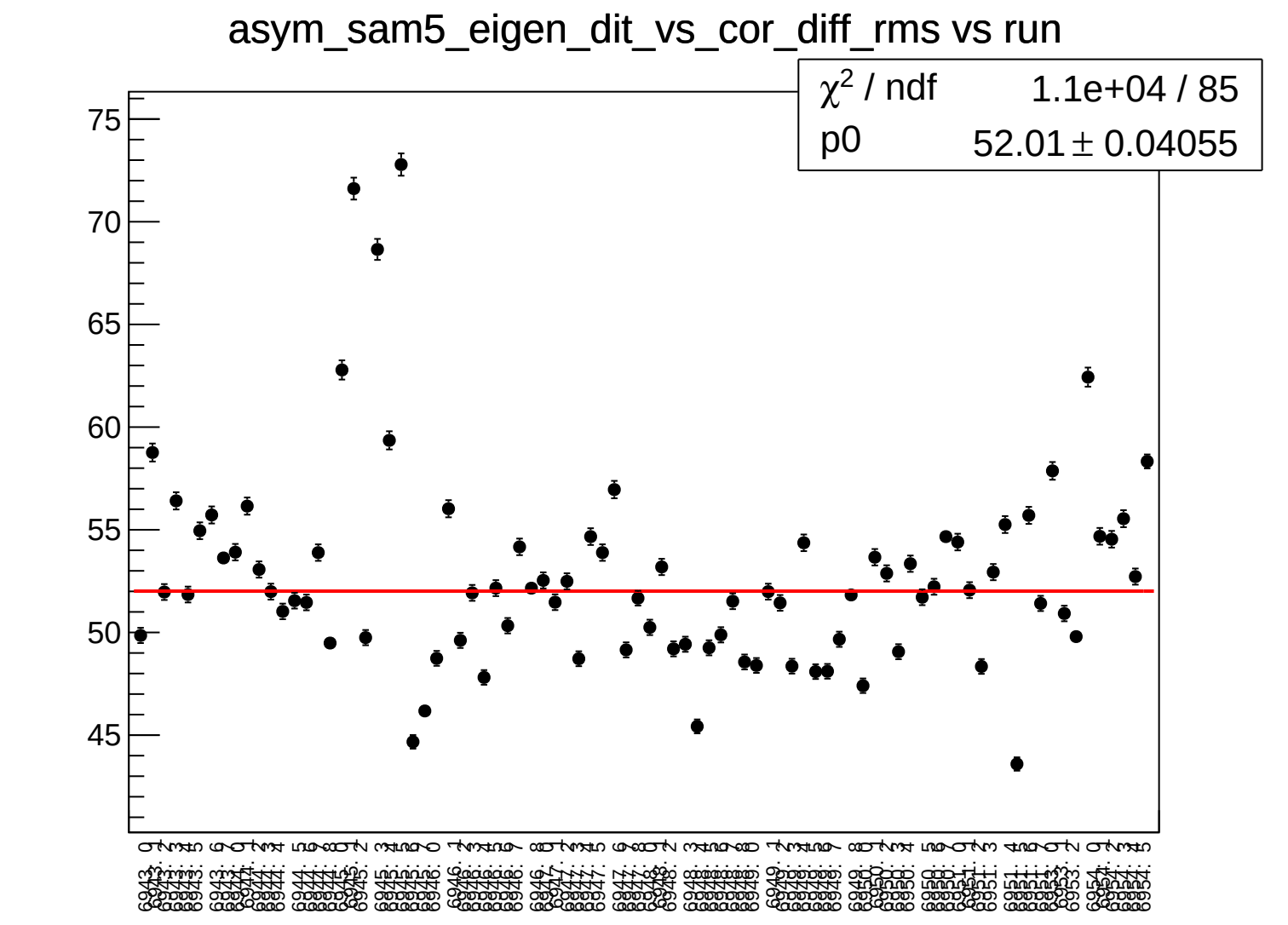

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.02 / 85
p0 3.559e−06 ± 4.672e−06
pull
Entries 86
Mean 86.38
Std Dev 0

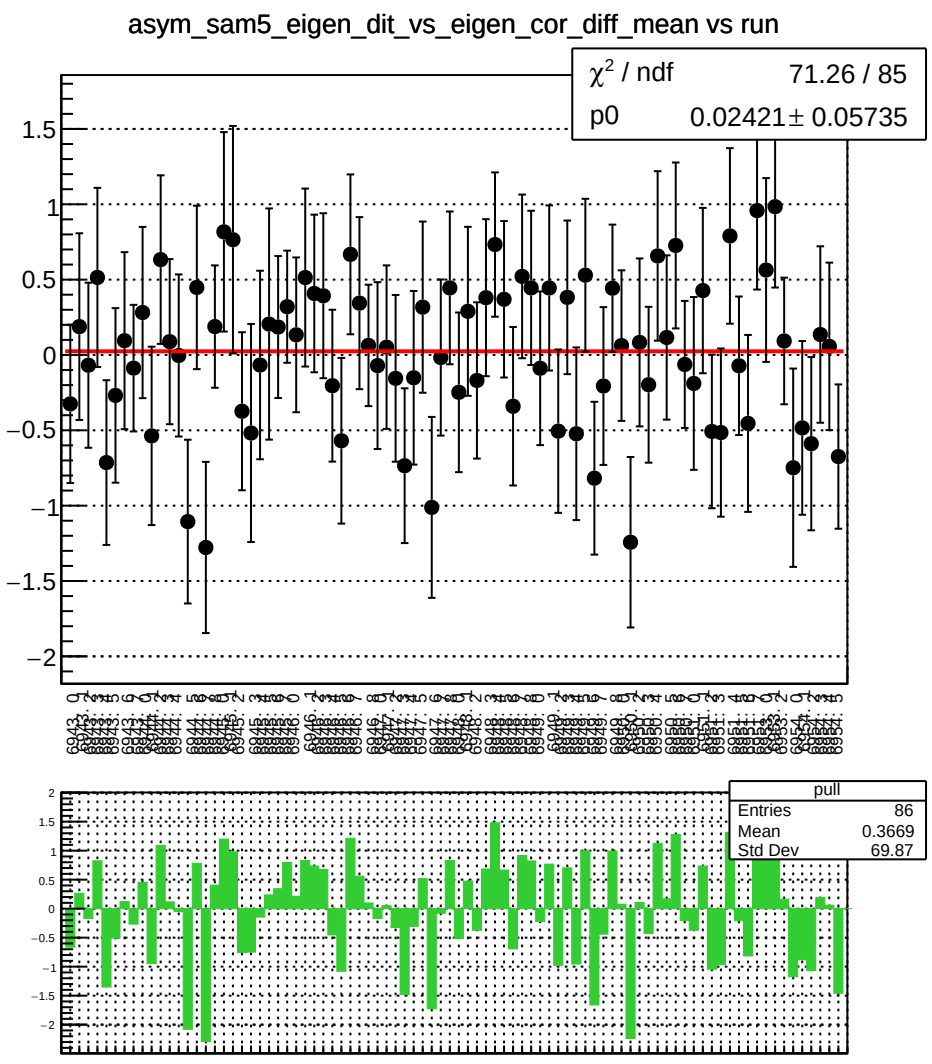

pull1D
Entries 86
Mean 0.02112
Std Dev 1.029

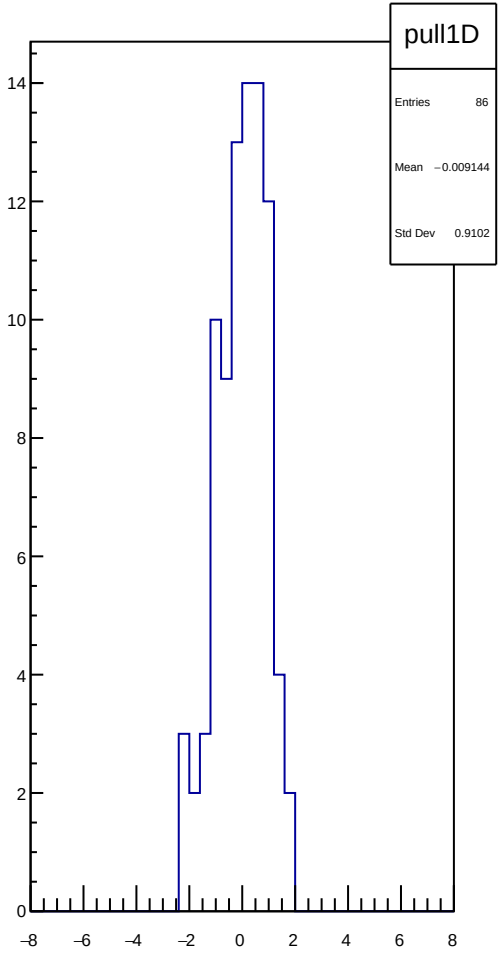

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6927 / 85
p0 0.004242 ± 3.303e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

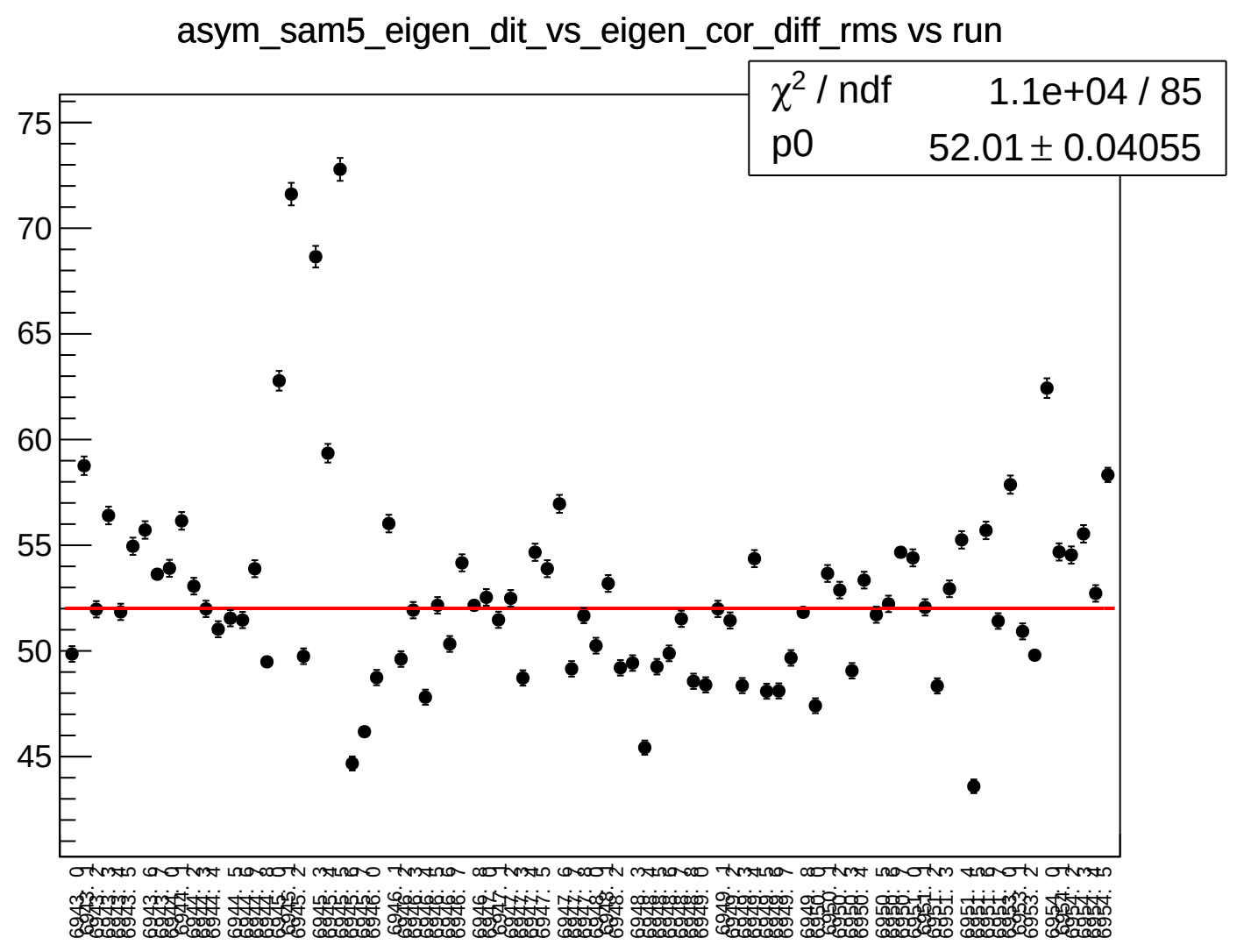

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.26 / 85
p0 0.02421 ± 0.05735
pull
Entries 86
Mean 0.3669
Std Dev 69.87

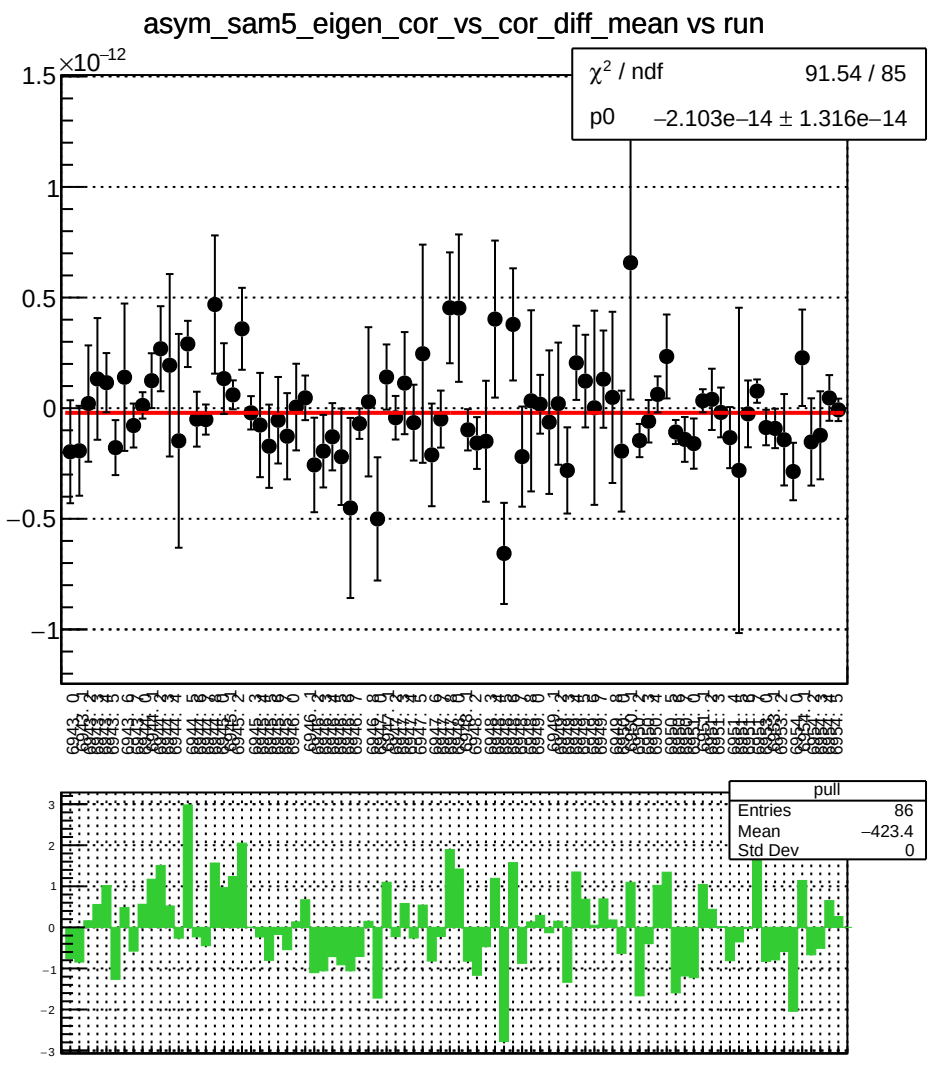

pull1D
Entries 86
Mean −0.009144
Std Dev 0.9102

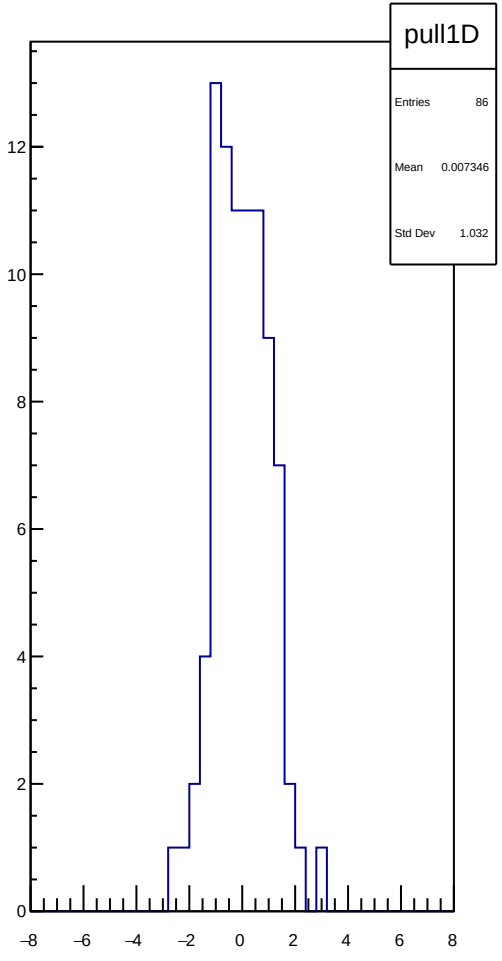

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.1e+04 / 85
p0 52.01 ± 0.04055
75
70
65
60
55
50
45

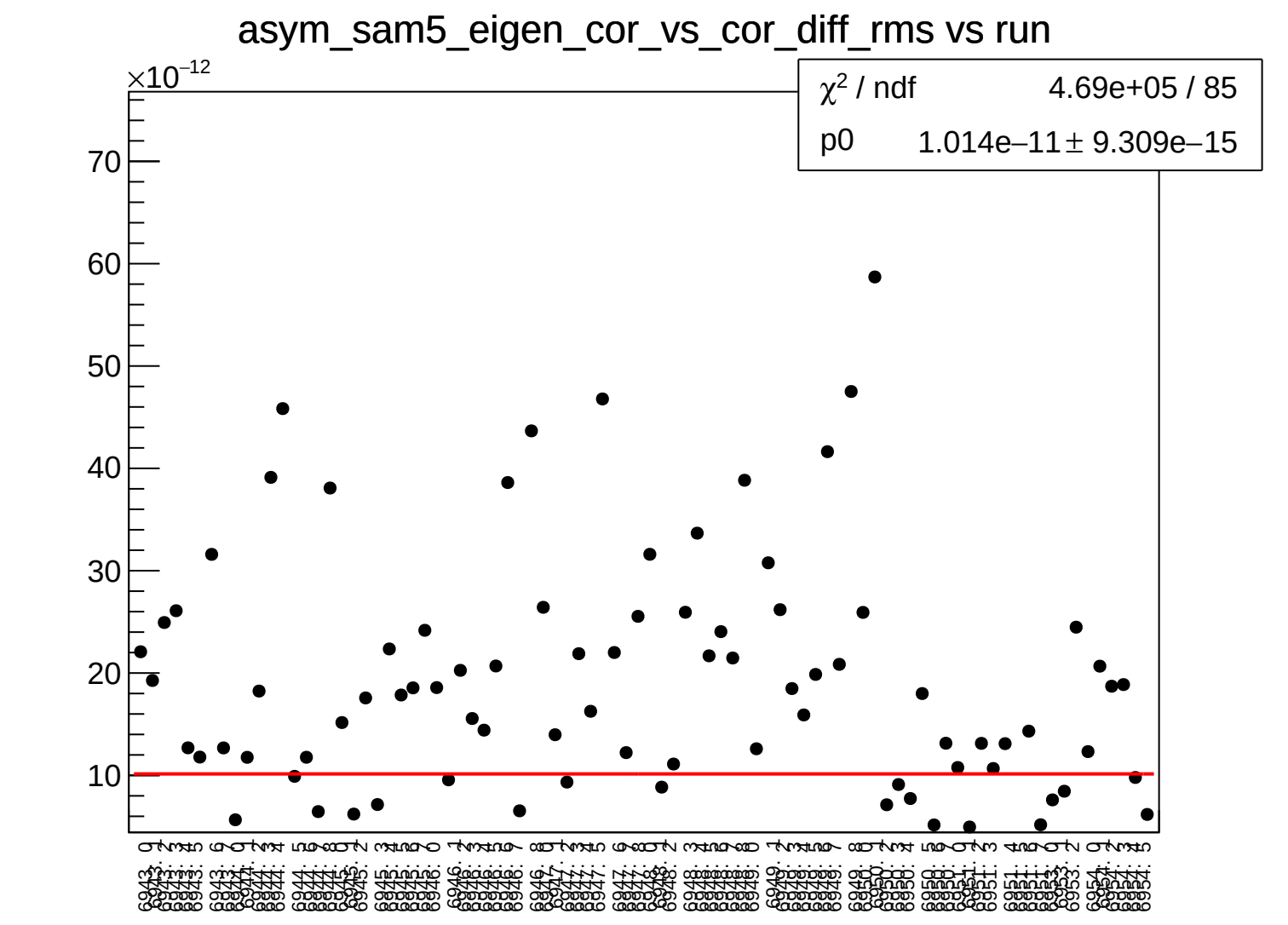

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.26 / 85
p0 0.02421 ± 0.05735
pull
Entries 86
Mean 0.3669
Std Dev 69.87

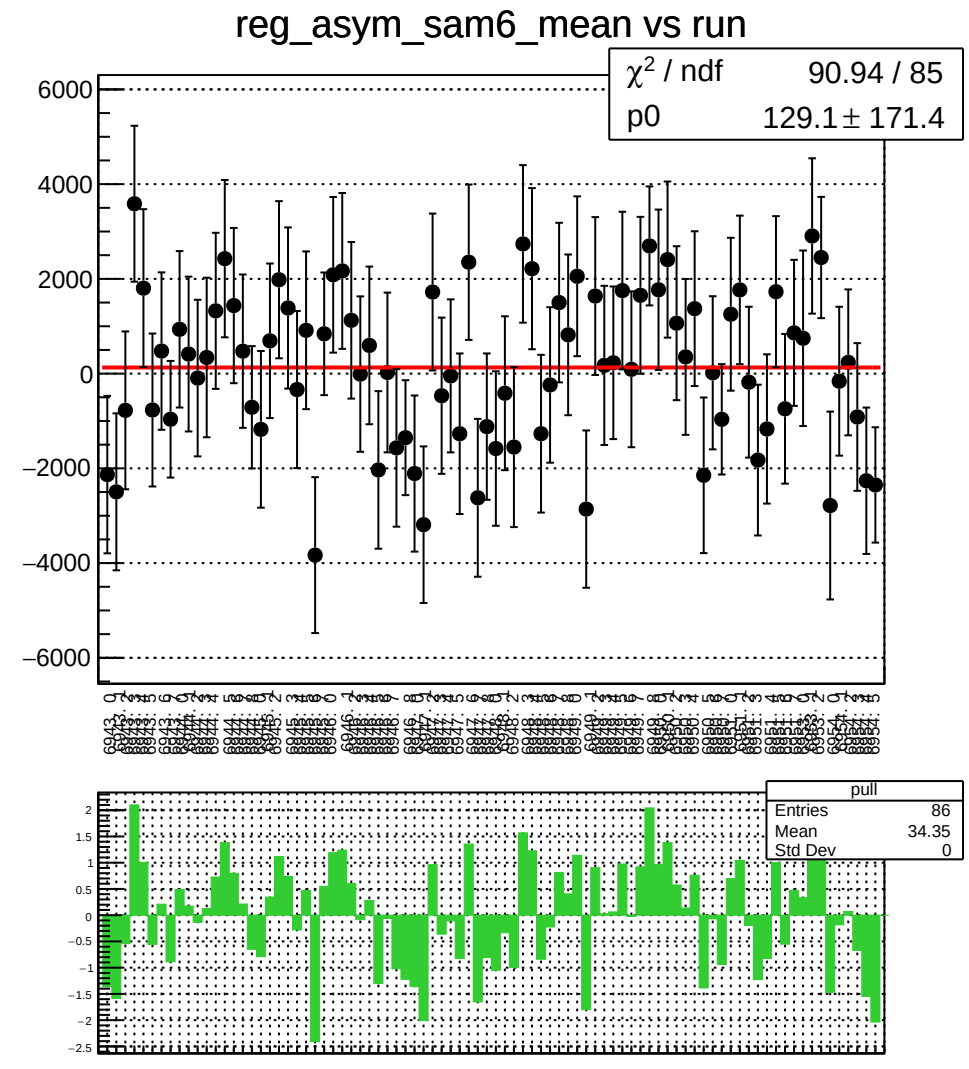

pull1D
Entries 86
Mean −0.009144
Std Dev 0.9102

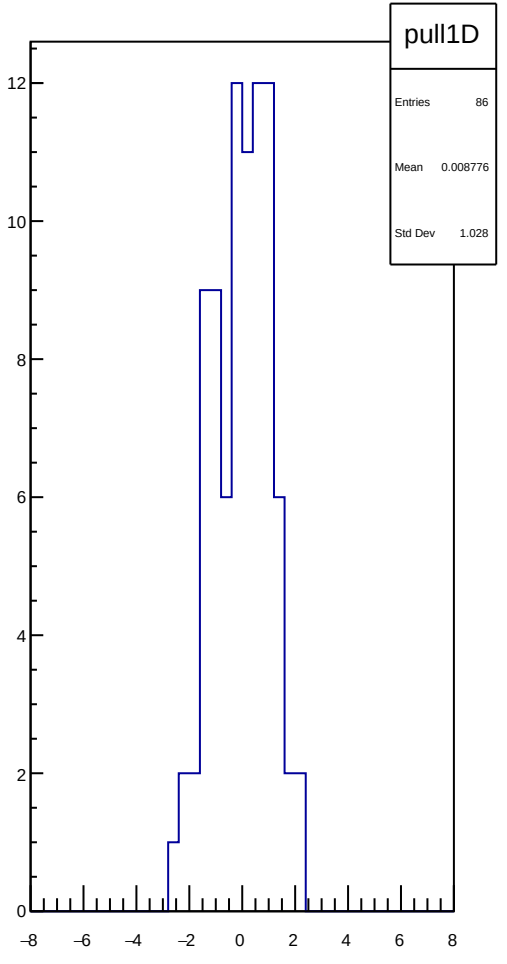

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.1e+04 / 85
p0 52.01 ± 0.04055
75
70
65
60
55
50
45

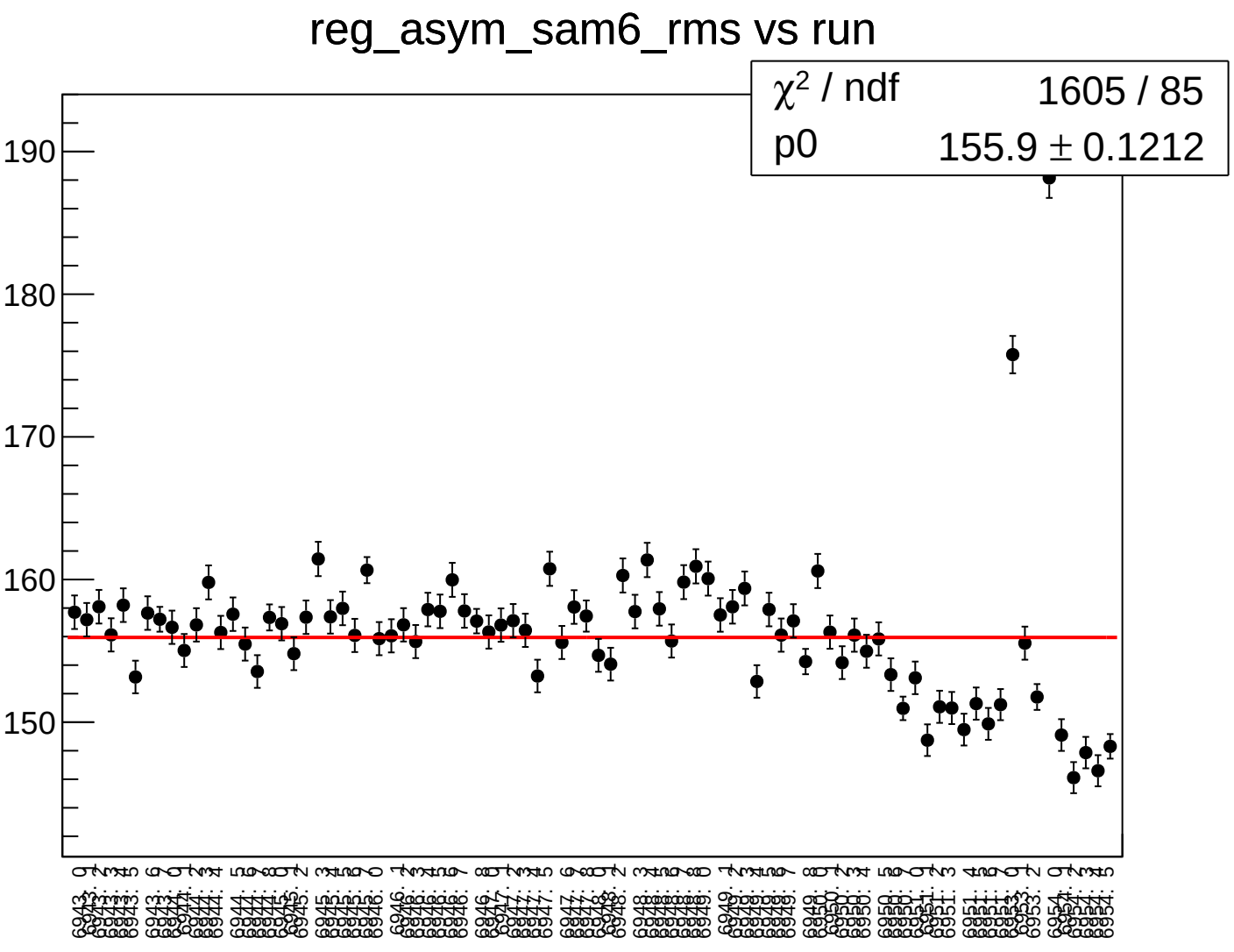

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.54 / 85
p0 −2.103e−14 ± 1.316e−14
pull
Entries 86
Mean −423.4
Std Dev 0

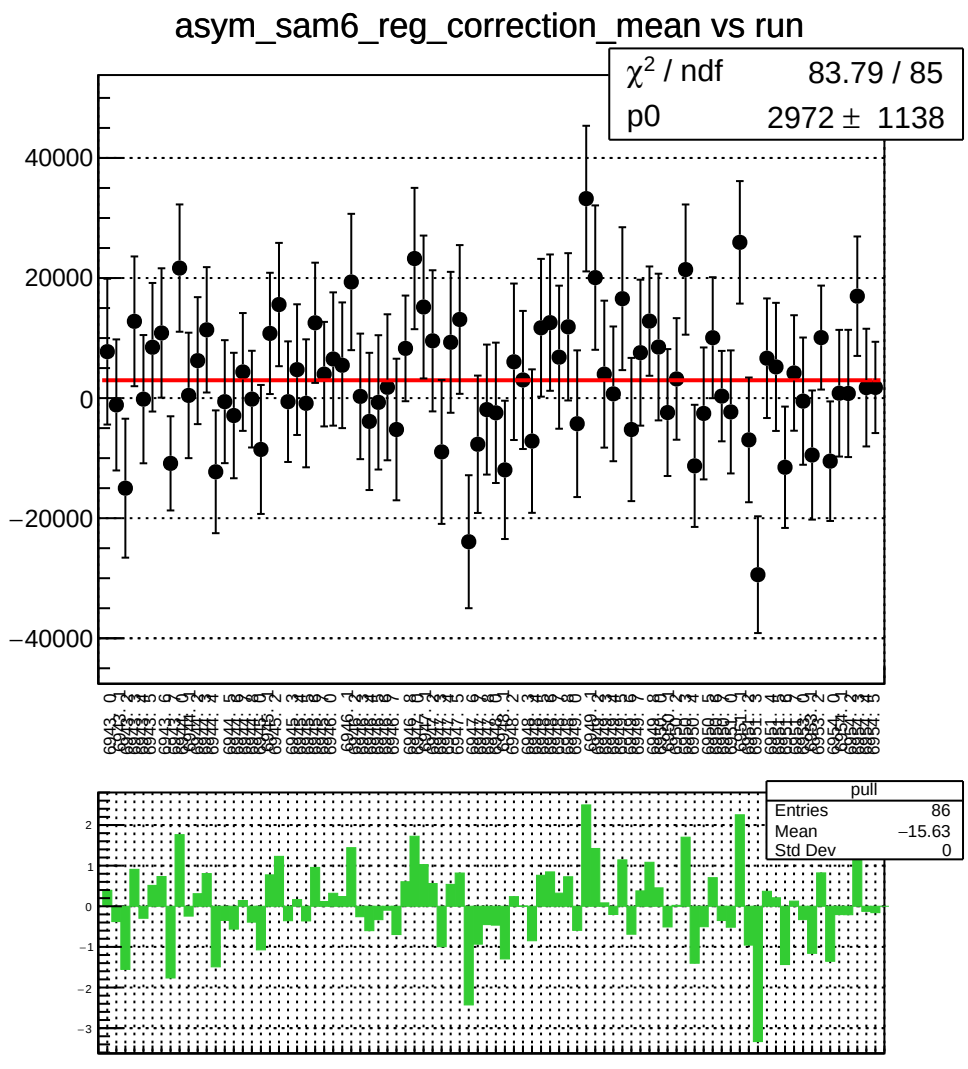

pull1D
Entries 86
Mean 0.007346
Std Dev 1.032

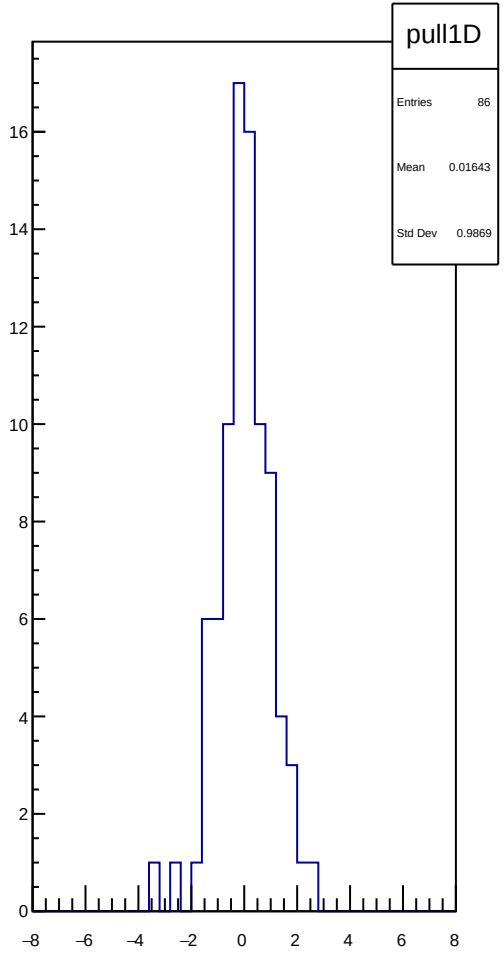

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.69e+05 / 85
p0 1.014e−11 ± 9.309e−15
70
60
50
40
30
20
10

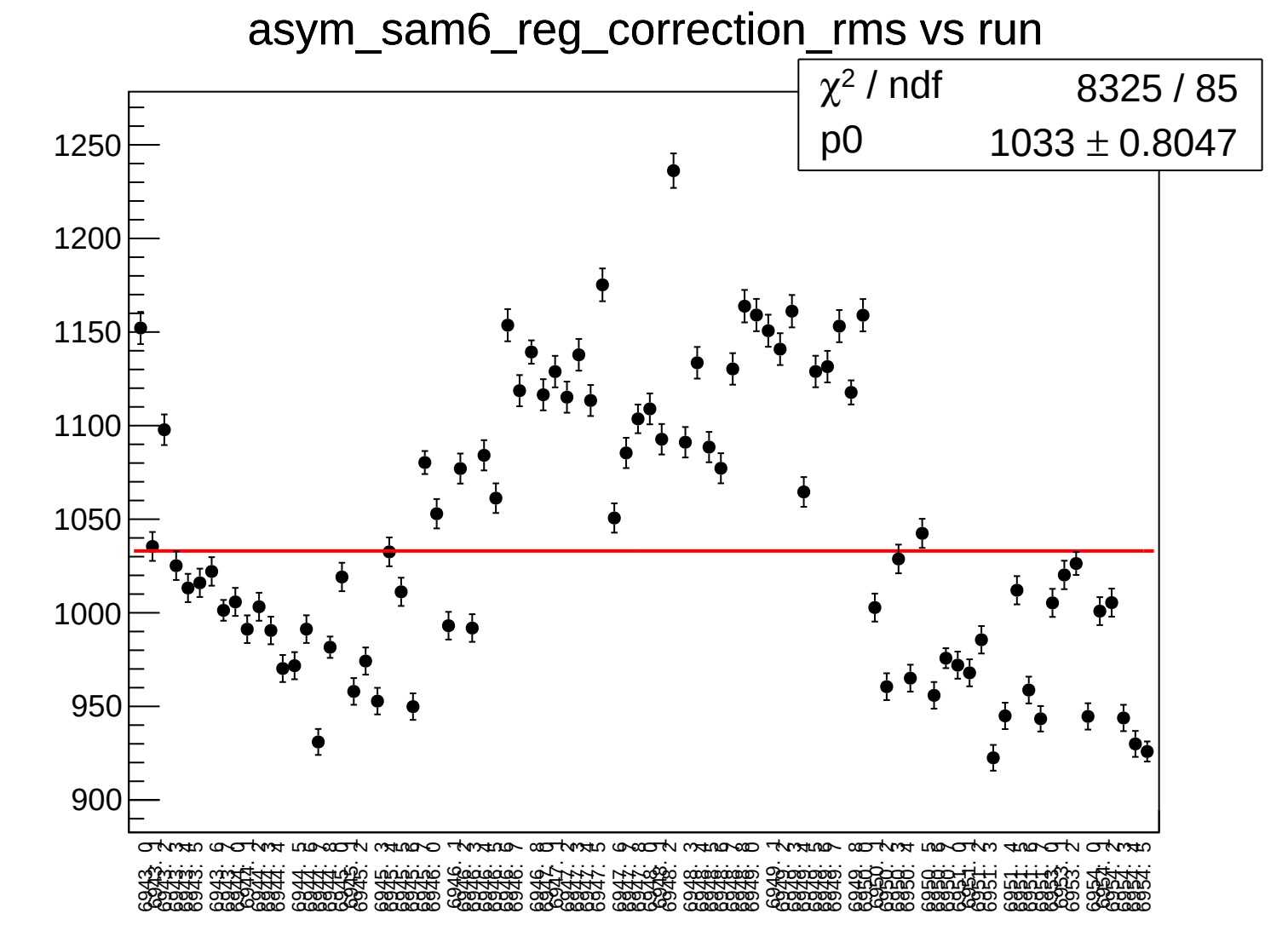

reg_asym_sam6_mean vs run
χ^2 / ndf 90.94 / 85
p0 129.1 ± 171.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 34.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

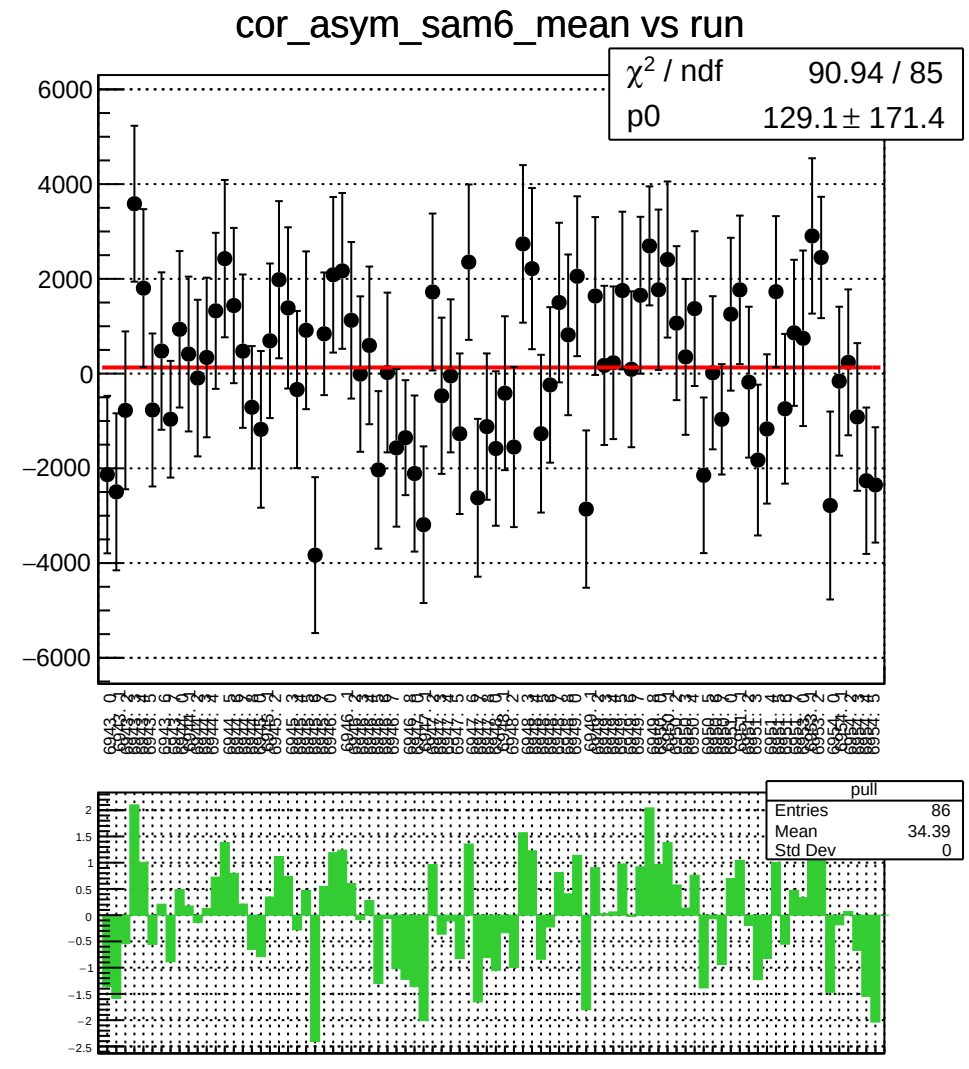

pull1D
Entries 86
Mean 0.008776
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

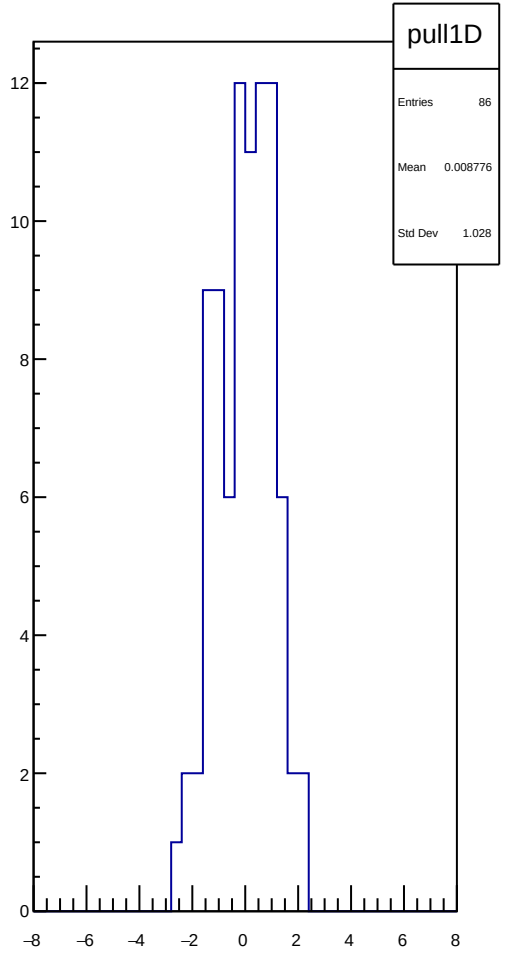

reg_asym_sam6_rms vs run
χ² / ndf 1605 / 85
p0 155.9 ± 0.1212
190
180
170
160
150

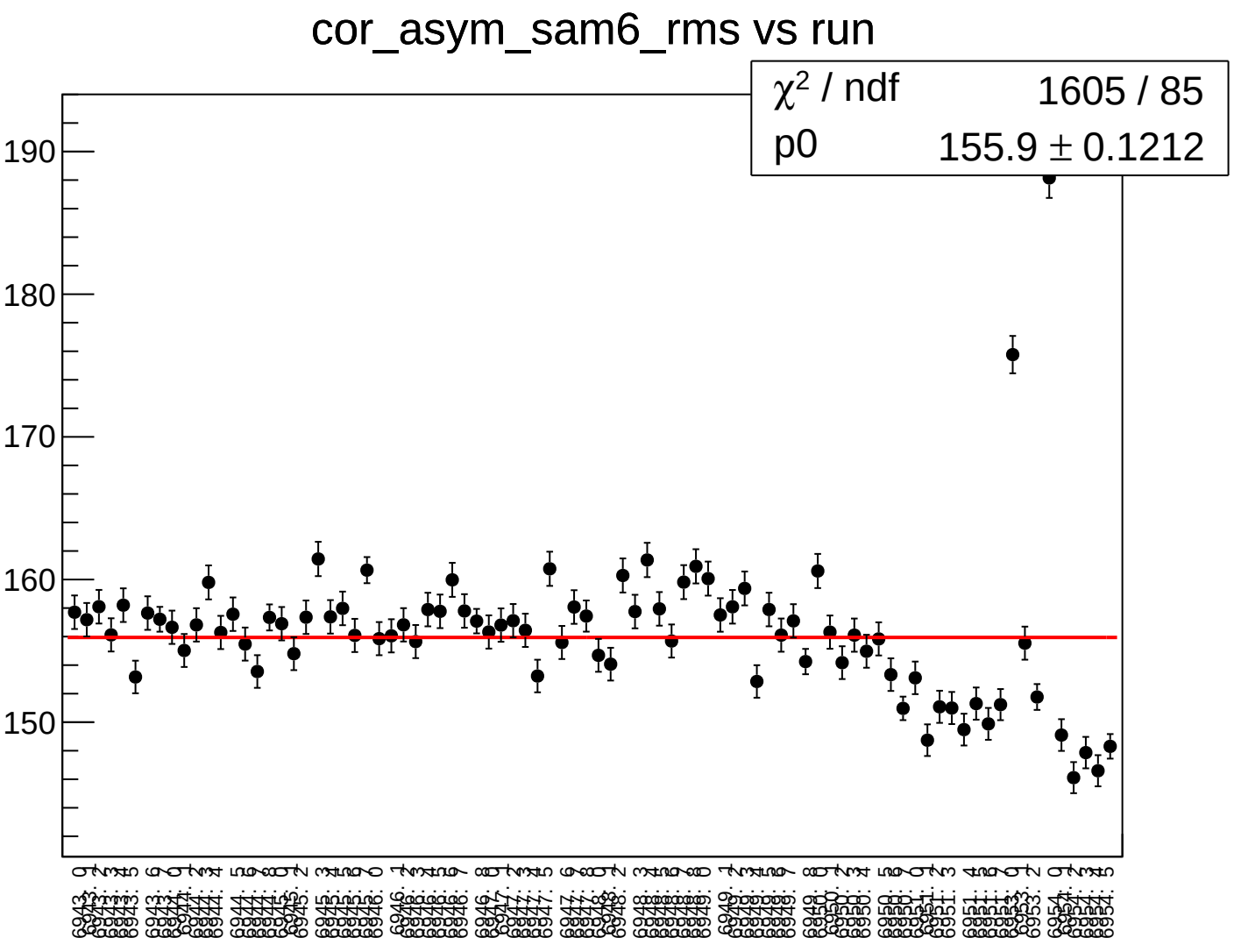

asym_sam6_reg_correction_mean vs run
χ² / ndf 83.79 / 85
p0 2972 ± 1138
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −15.63
Std Dev 0
2
1
0
−1
−2
−3

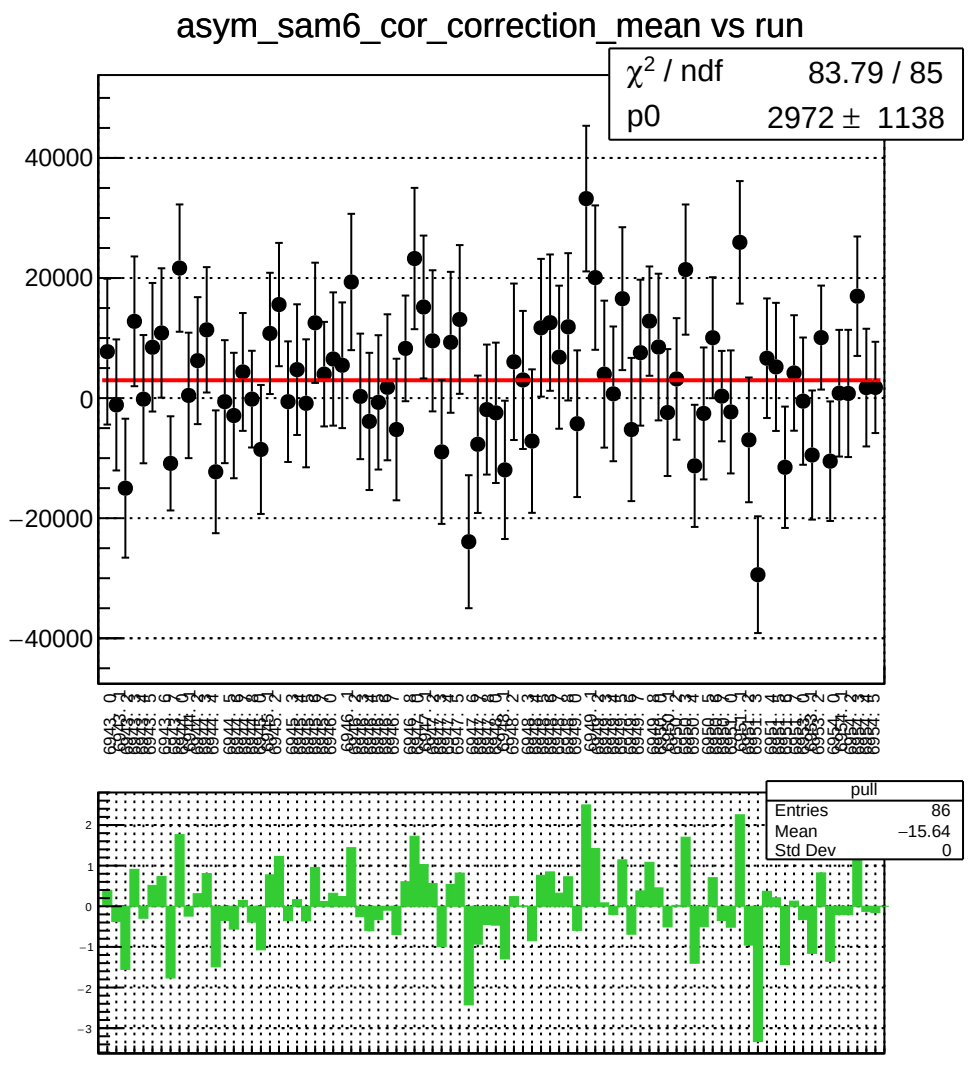

pull1D
Entries 86
Mean 0.01643
Std Dev 0.9869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

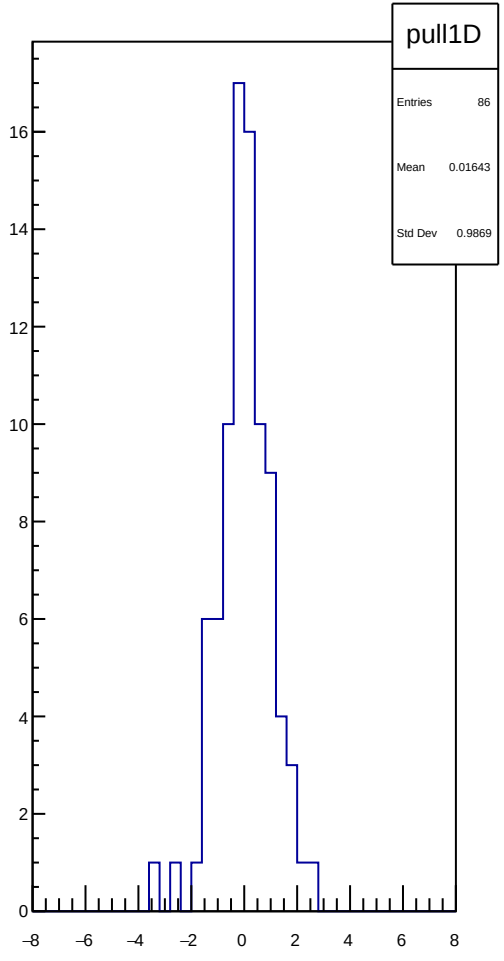

asym_sam6_reg_correction_rms vs run
χ² / ndf 8325 / 85
p0 1033 ± 0.8047
1250
1200
1150
1100
1050
1000
950
900

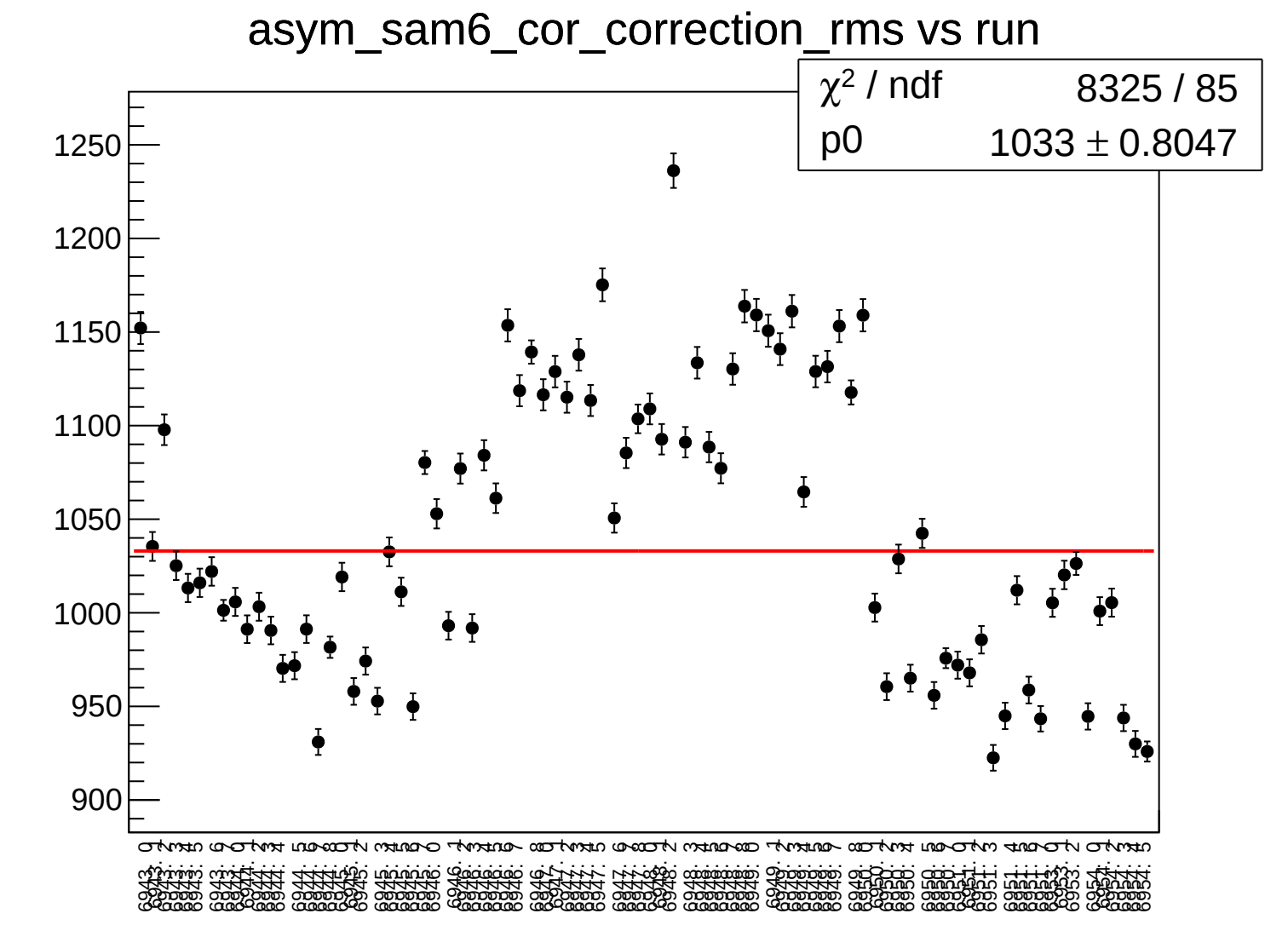

cor_asym_sam6_mean vs run
χ² / ndf 90.94 / 85
p0 129.1 ± 171.4
pull
Entries 86
Mean 34.39
Std Dev 0

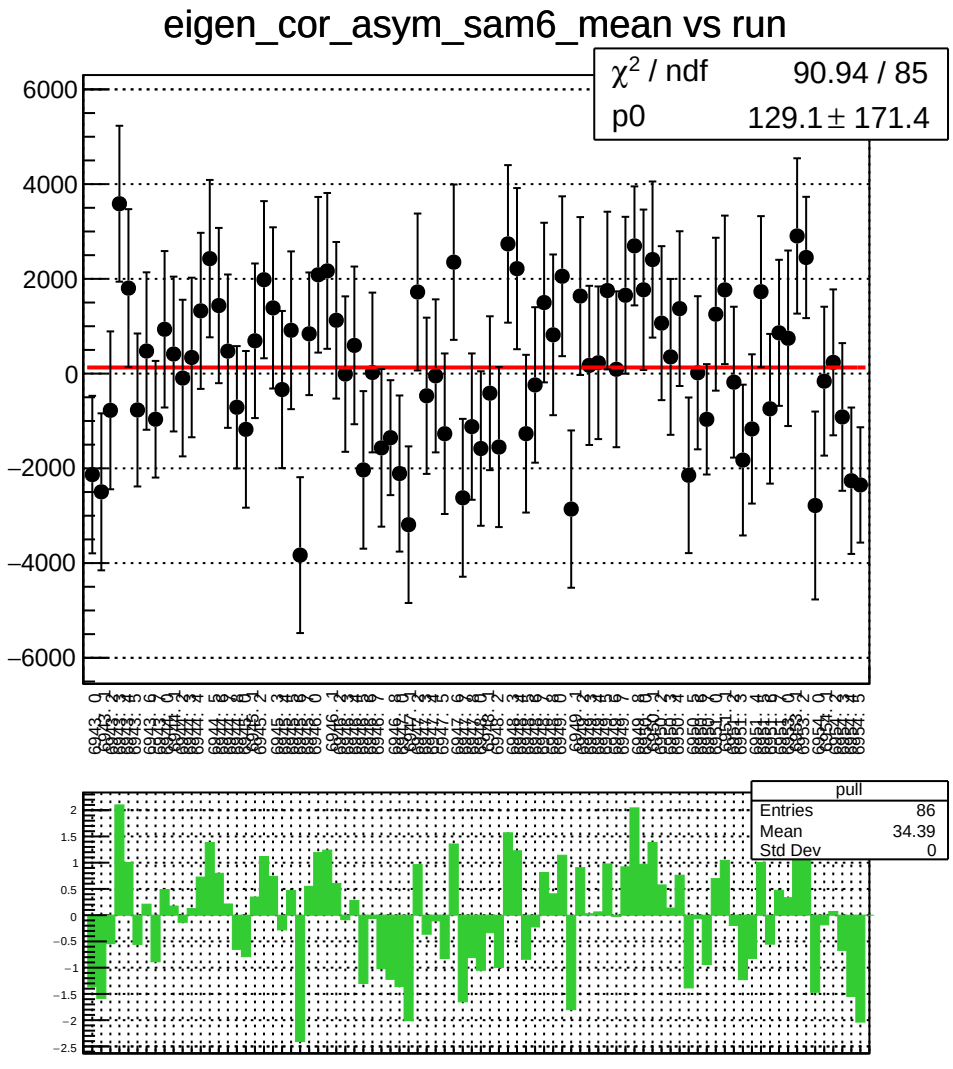

pull1D
Entries 86
Mean 0.008776
Std Dev 1.028

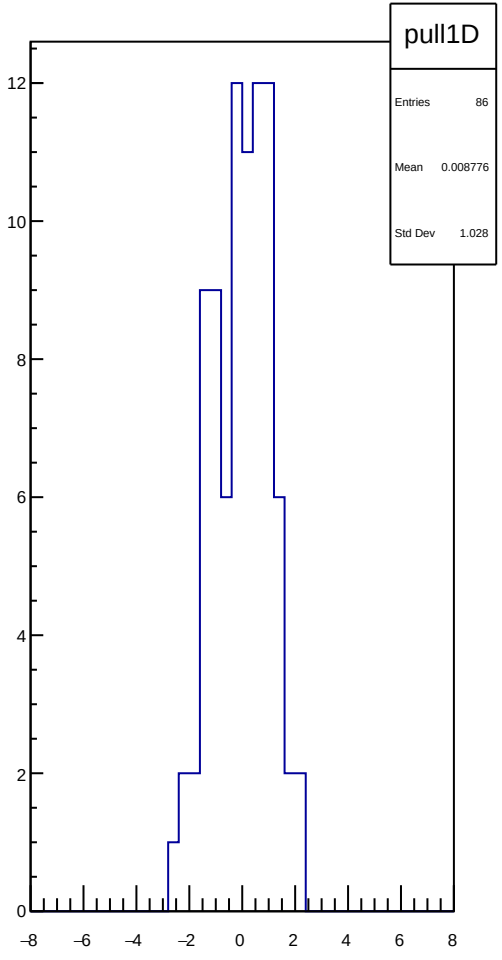

cor_asym_sam6_rms vs run
χ² / ndf 1605 / 85
p0 155.9 ± 0.1212
190
180
170
160
150

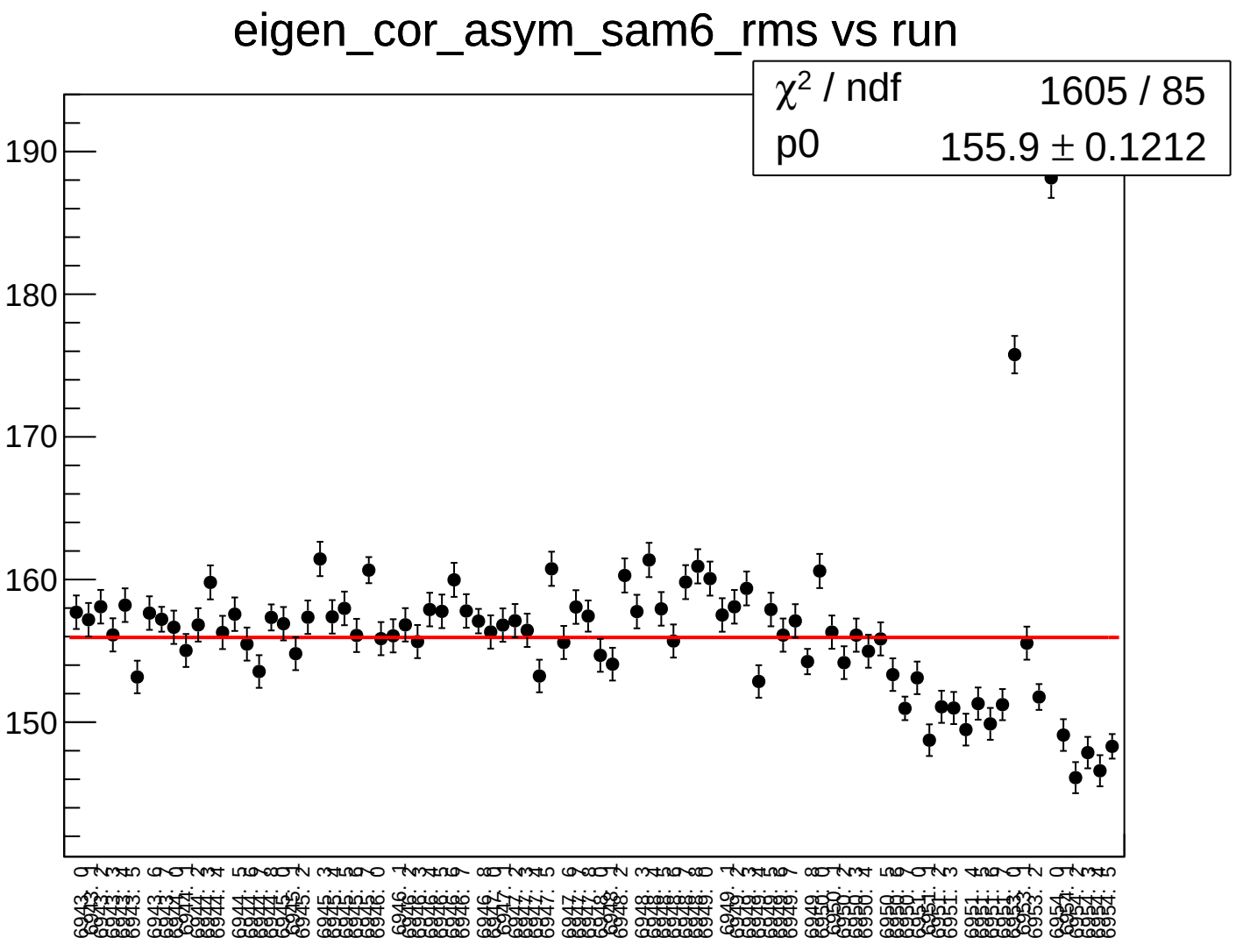

asym_sam6_cor_correction_mean vs run
χ² / ndf 83.79 / 85
p0 2972 ± 1138
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −15.64
Std Dev 0
2
1
0
−1
−2
−3

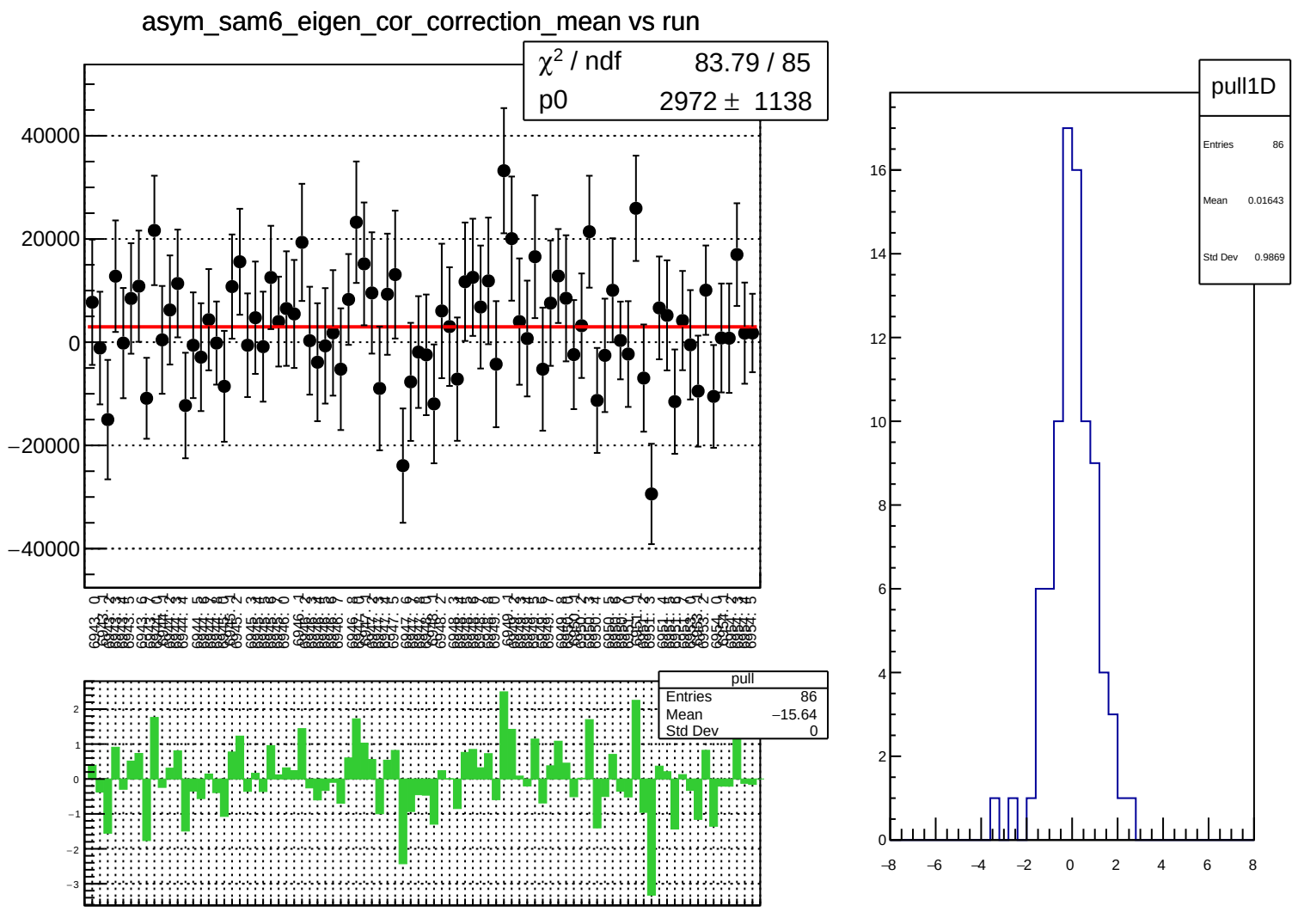

pull1D
Entries 86
Mean 0.01643
Std Dev 0.9869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

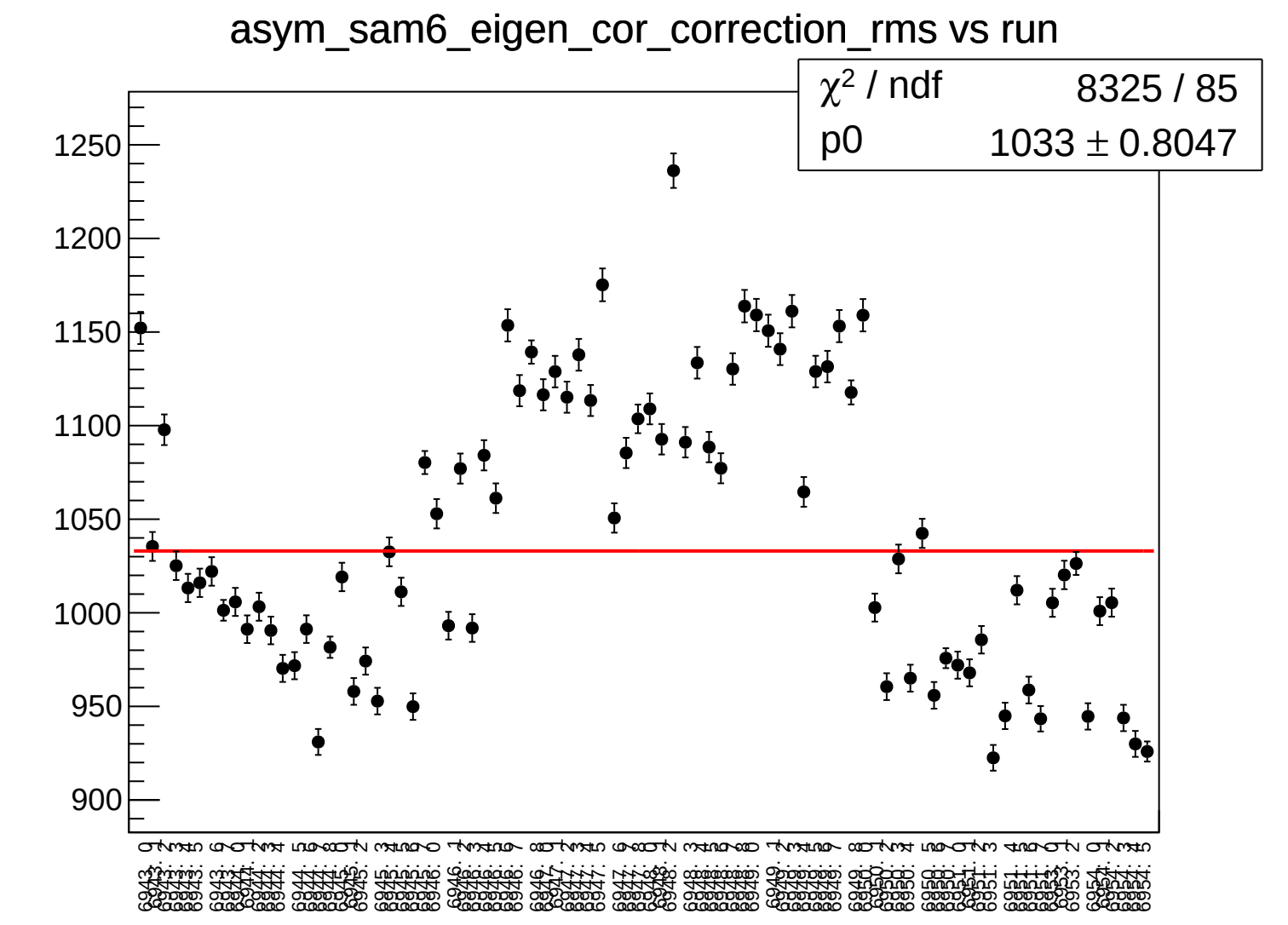

asym_sam6_cor_correction_rms vs run
χ² / ndf 8325 / 85
p0 1033 ± 0.8047
1250
1200
1150
1100
1050
1000
950
900

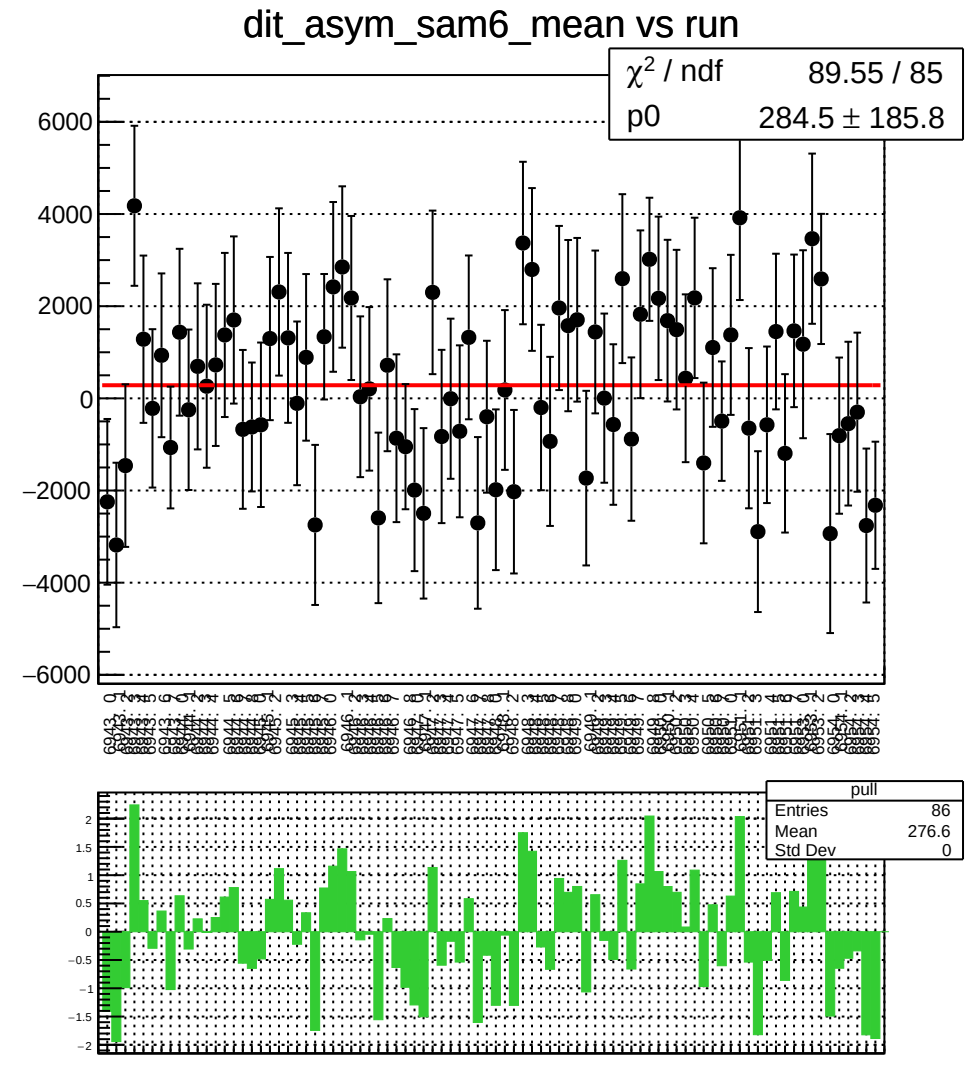

eigen_cor_asym_sam6_mean vs run
χ² / ndf 90.94 / 85
p0 129.1 ± 171.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 34.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

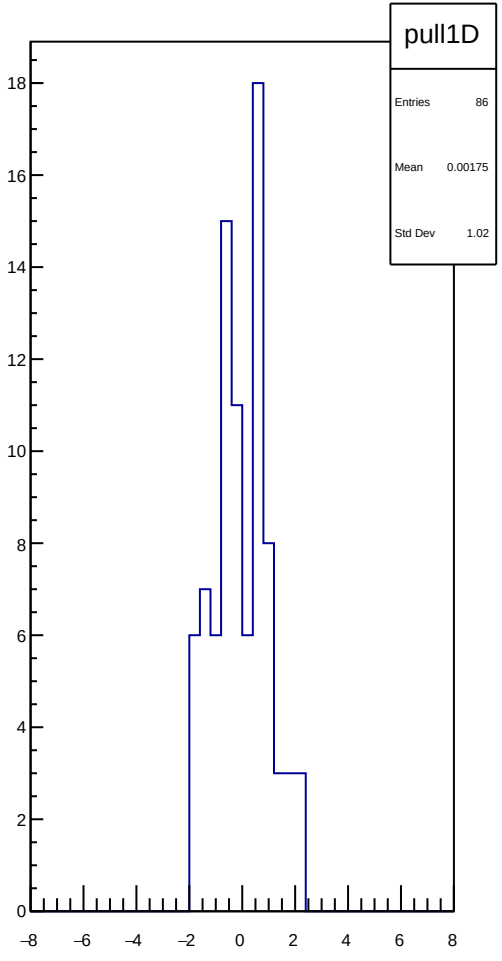

pull1D
Entries 86
Mean 0.008776
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

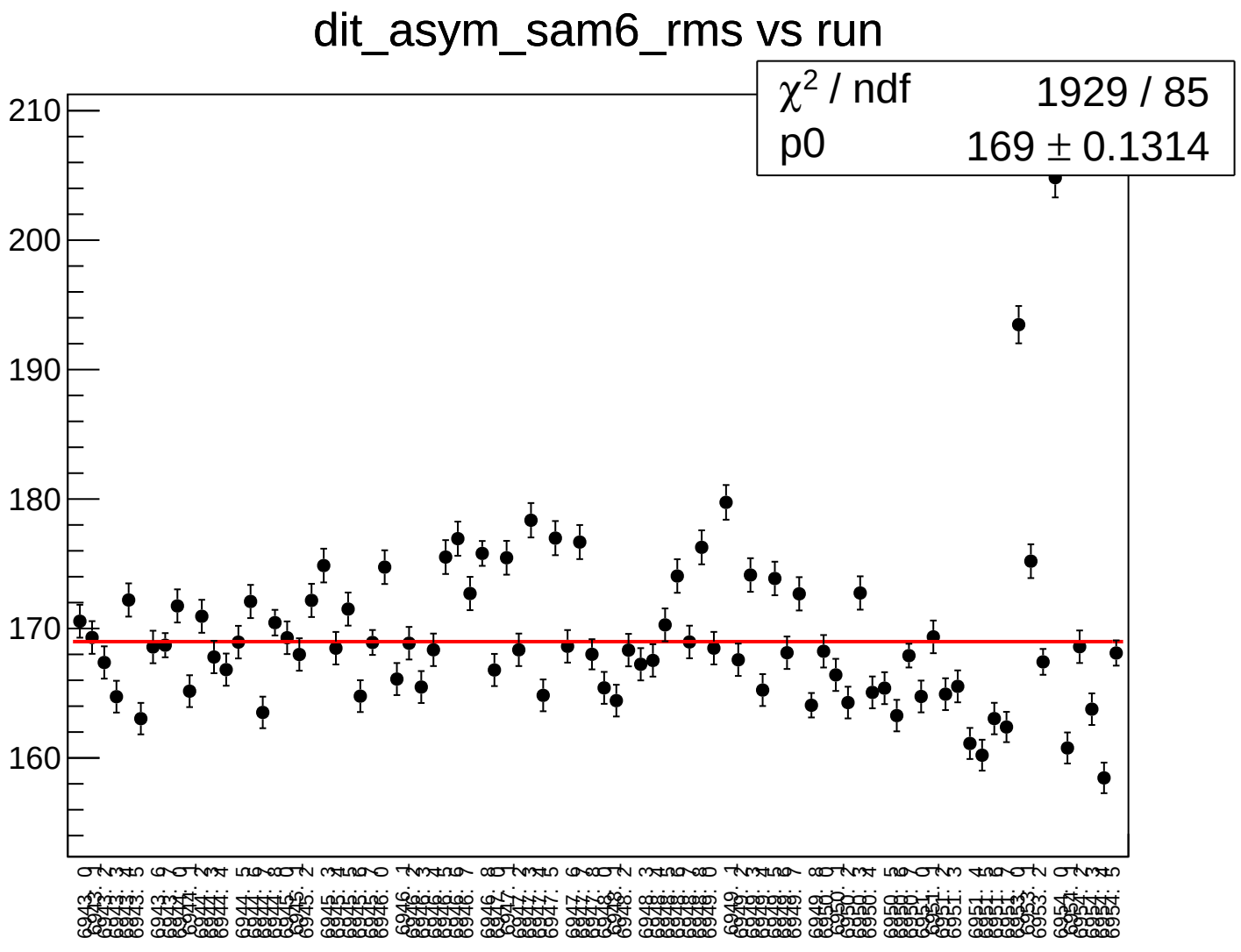

eigen_cor_asym_sam6_rms vs run
χ² / ndf 1605 / 85
p0 155.9 ± 0.1212
190
180
170
160
150

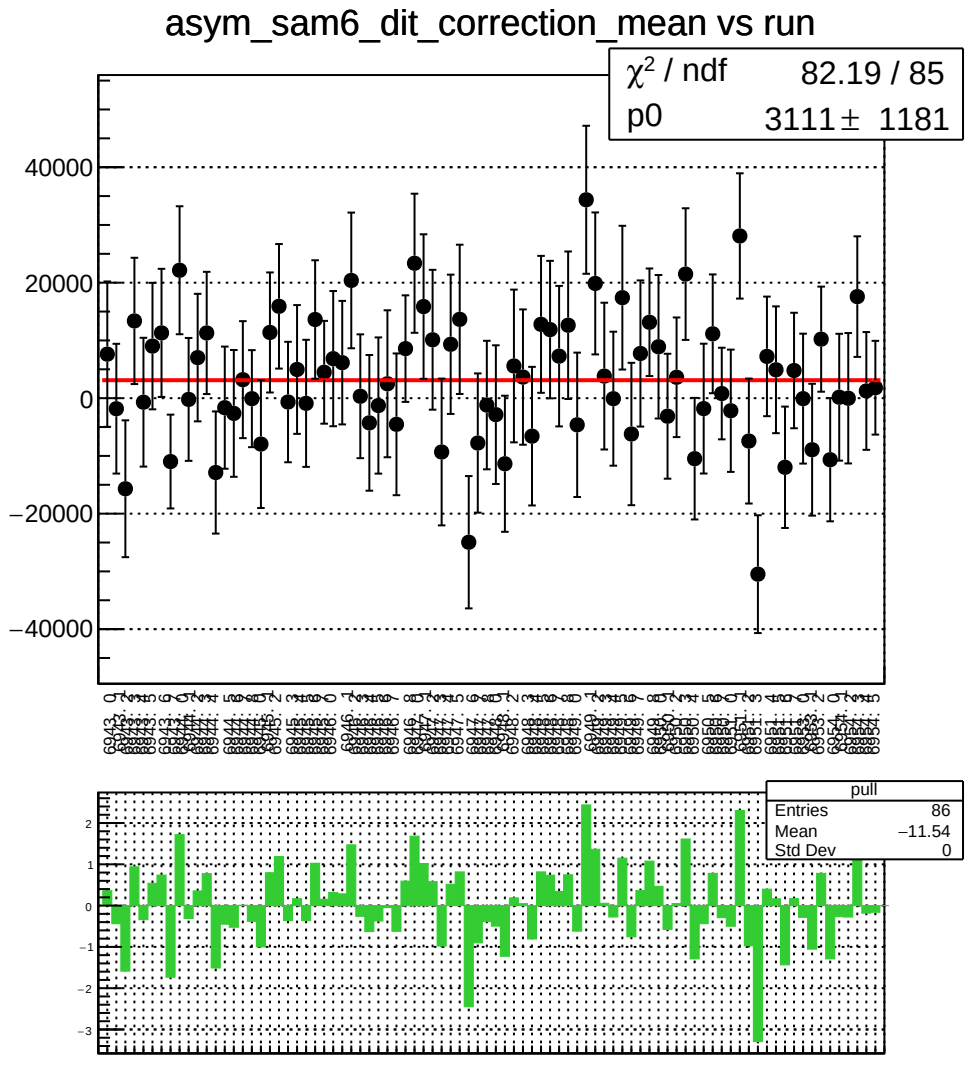

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 83.79 / 85
p0 2972 ± 1138
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −15.64
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01643
Std Dev 0.9869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

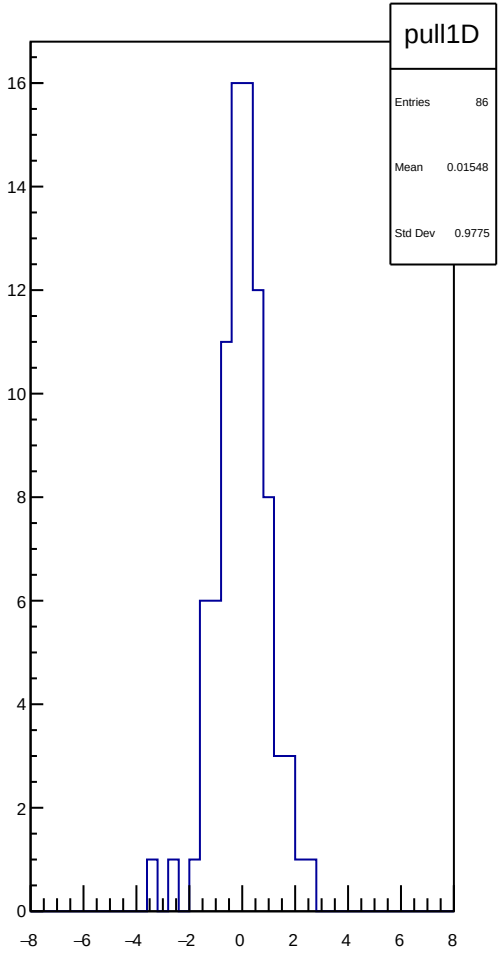

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 8325 / 85
p0 1033 ± 0.8047
1250
1200
1150
1100
1050
1000
950
900

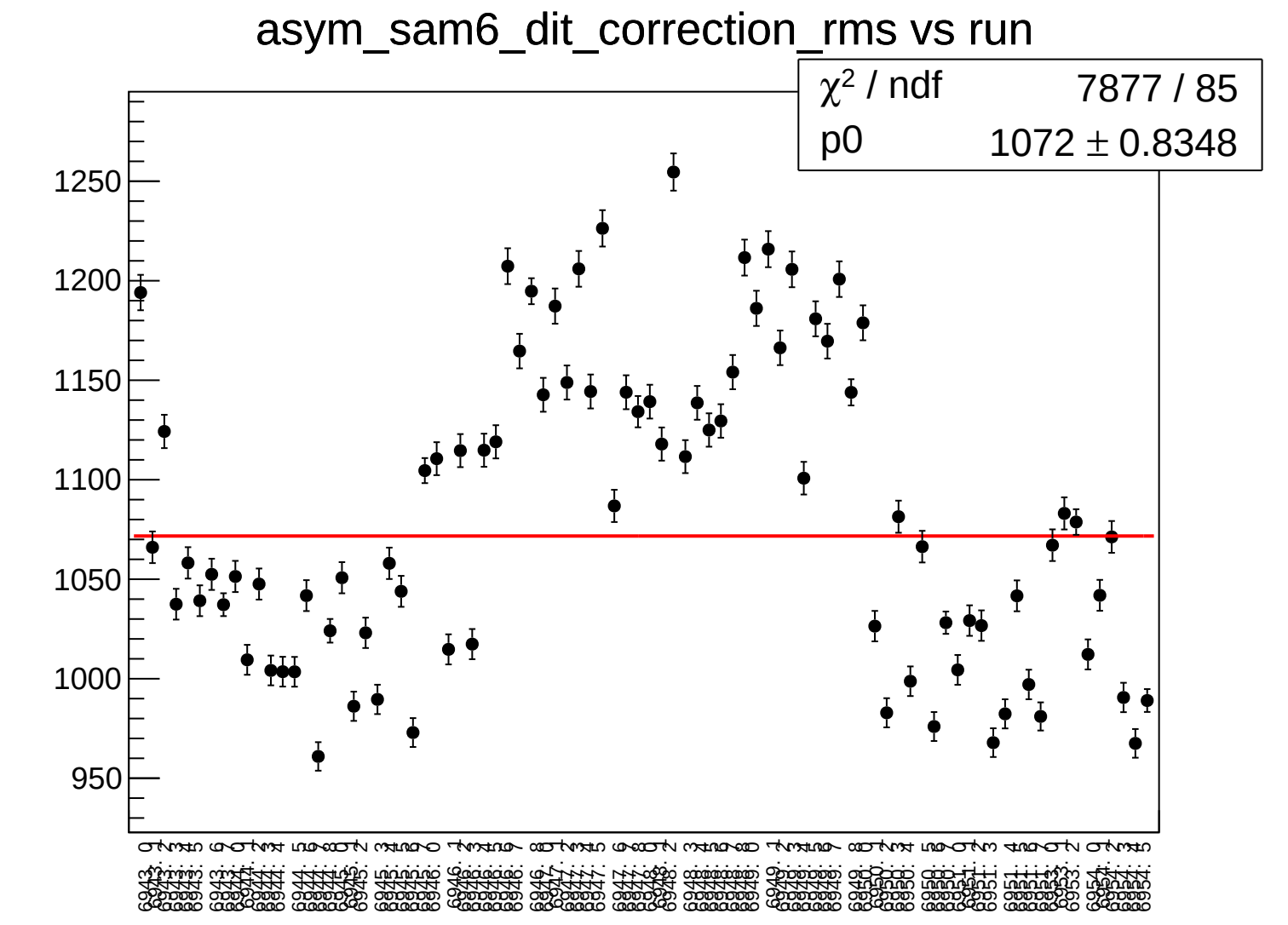

dit_asym_sam6_mean vs run
χ^2 / ndf 89.55 / 85
p0 284.5 ± 185.8
pull
Entries 86
Mean 276.6
Std Dev 0

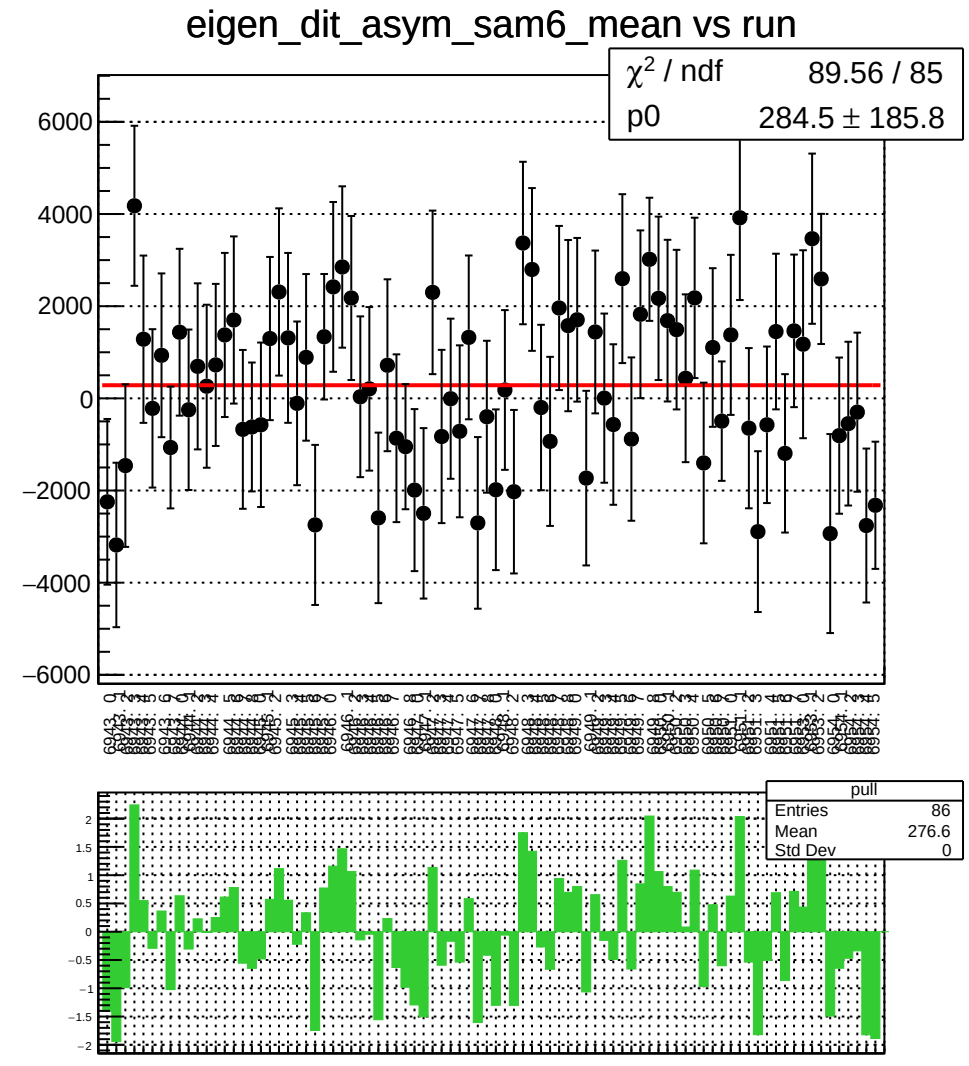

pull1D
Entries 86
Mean 0.00175
Std Dev 1.02

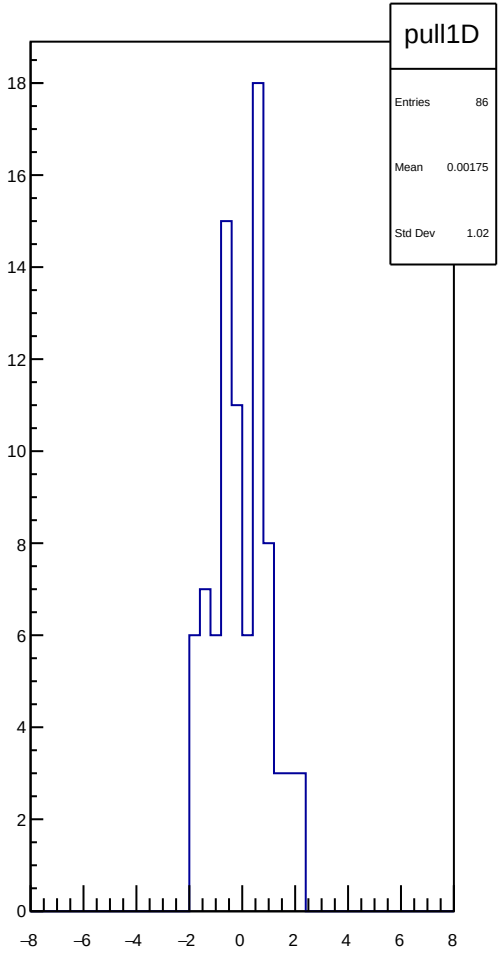

dit_asym_sam6_rms vs run
χ² / ndf 1929 / 85
p0 169 ± 0.1314
210
200
190
180
170
160

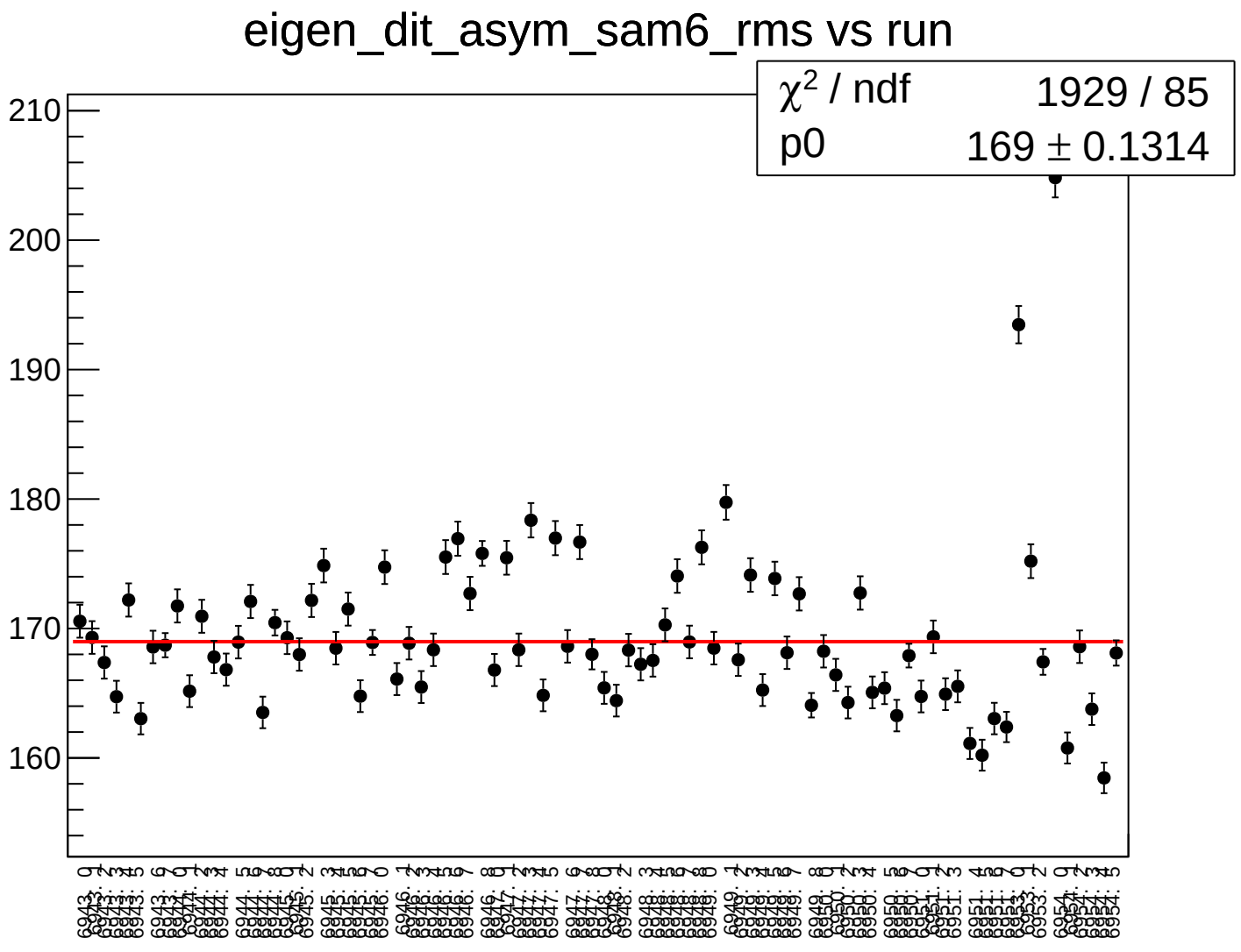

asym_sam6_dit_correction_mean vs run
χ² / ndf 82.19 / 85
p0 3111 ± 1181
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −11.54
Std Dev 0
2
1
0
−1
−2
−3

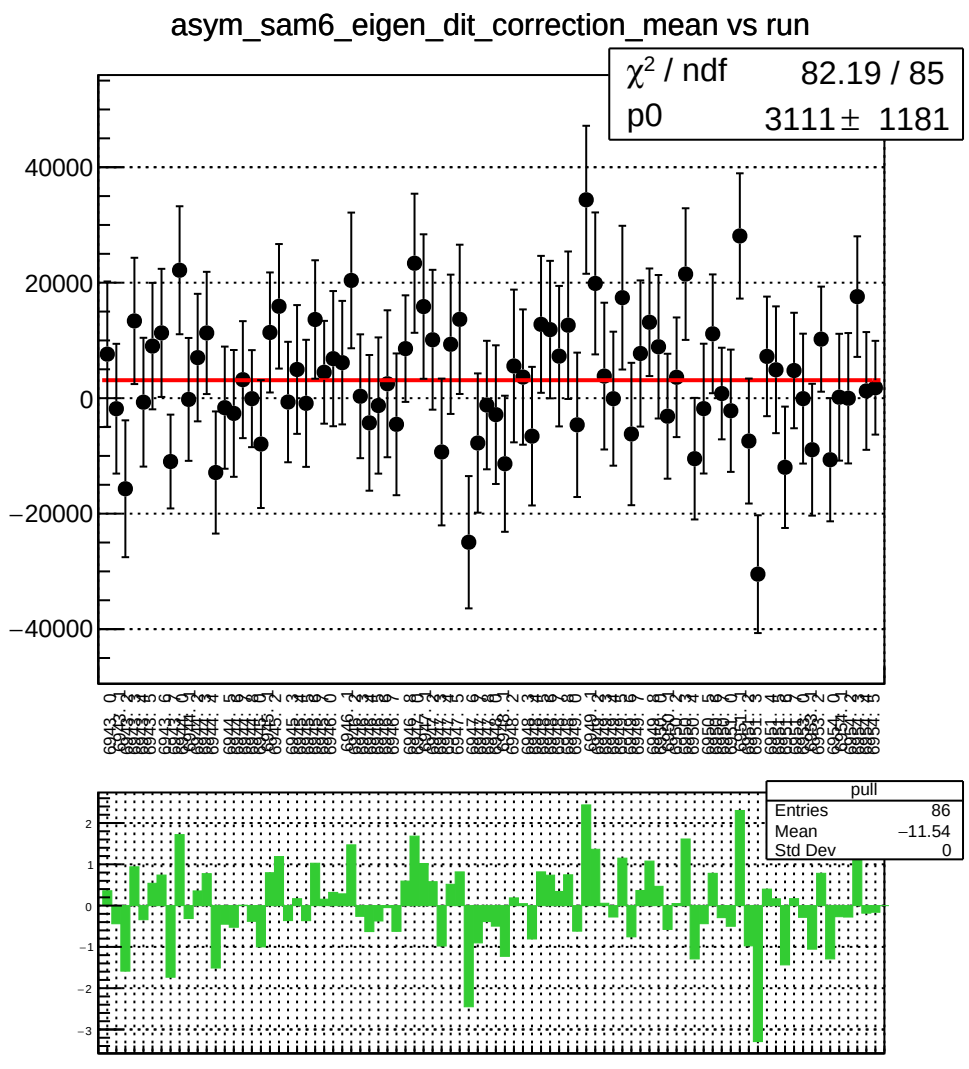

pull1D
Entries 86
Mean 0.01548
Std Dev 0.9775
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

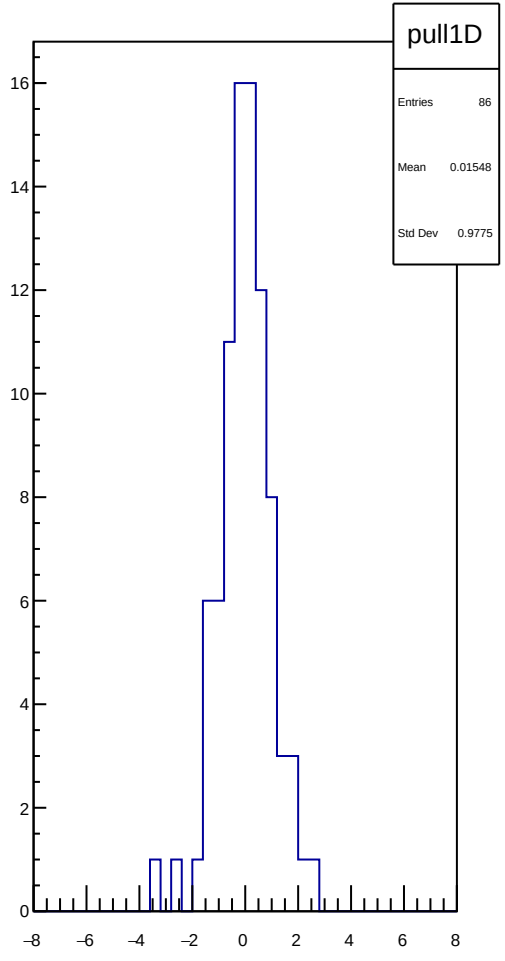

asym_sam6_dit_correction_rms vs run
χ² / ndf 7877 / 85
p0 1072 ± 0.8348
1250
1200
1150
1100
1050
1000
950

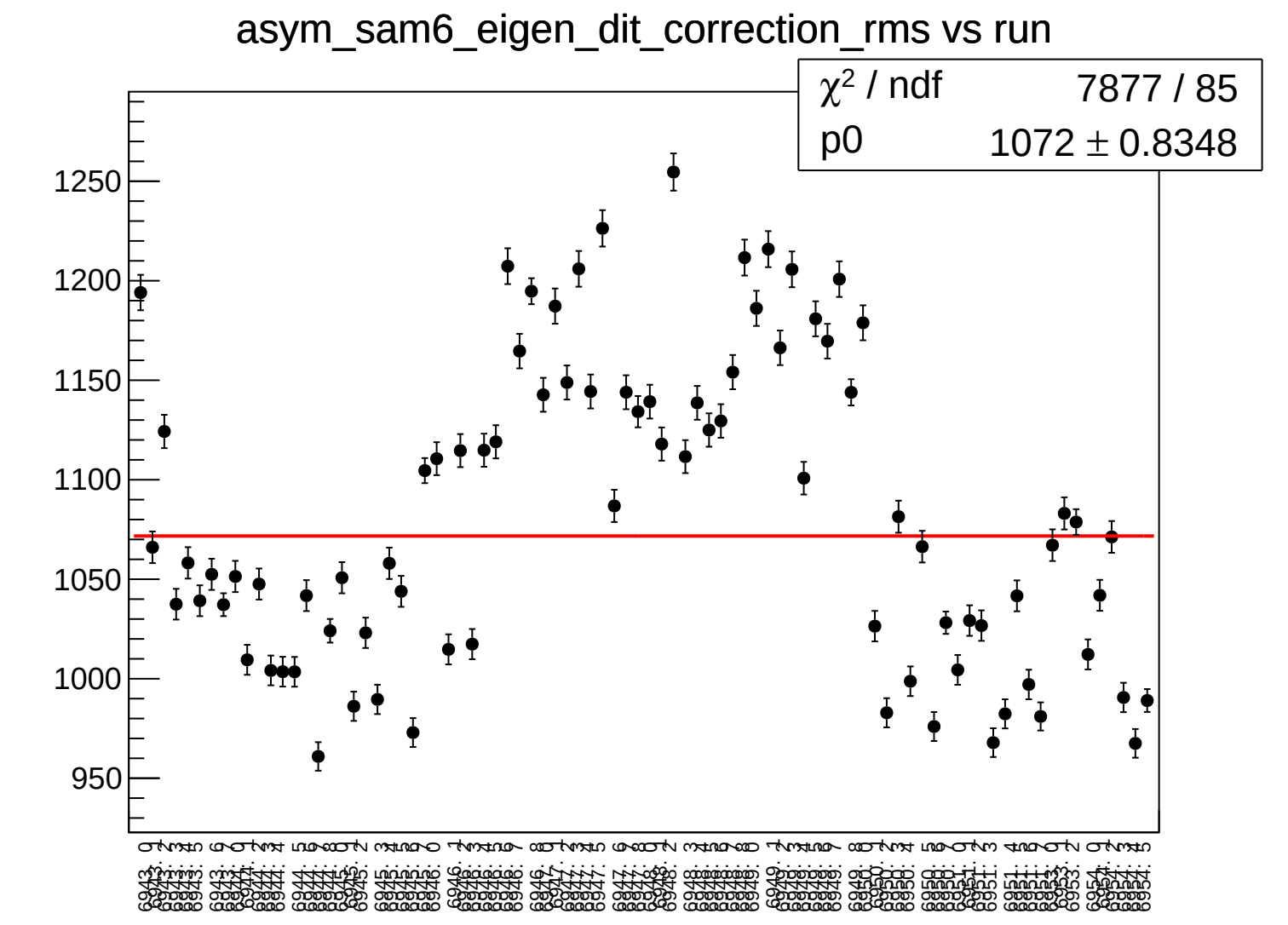

eigen_dit_asym_sam6_mean vs run
χ^2 / ndf 89.56 / 85
p0 284.5 ± 185.8
pull
Entries 86
Mean 276.6
Std Dev 0

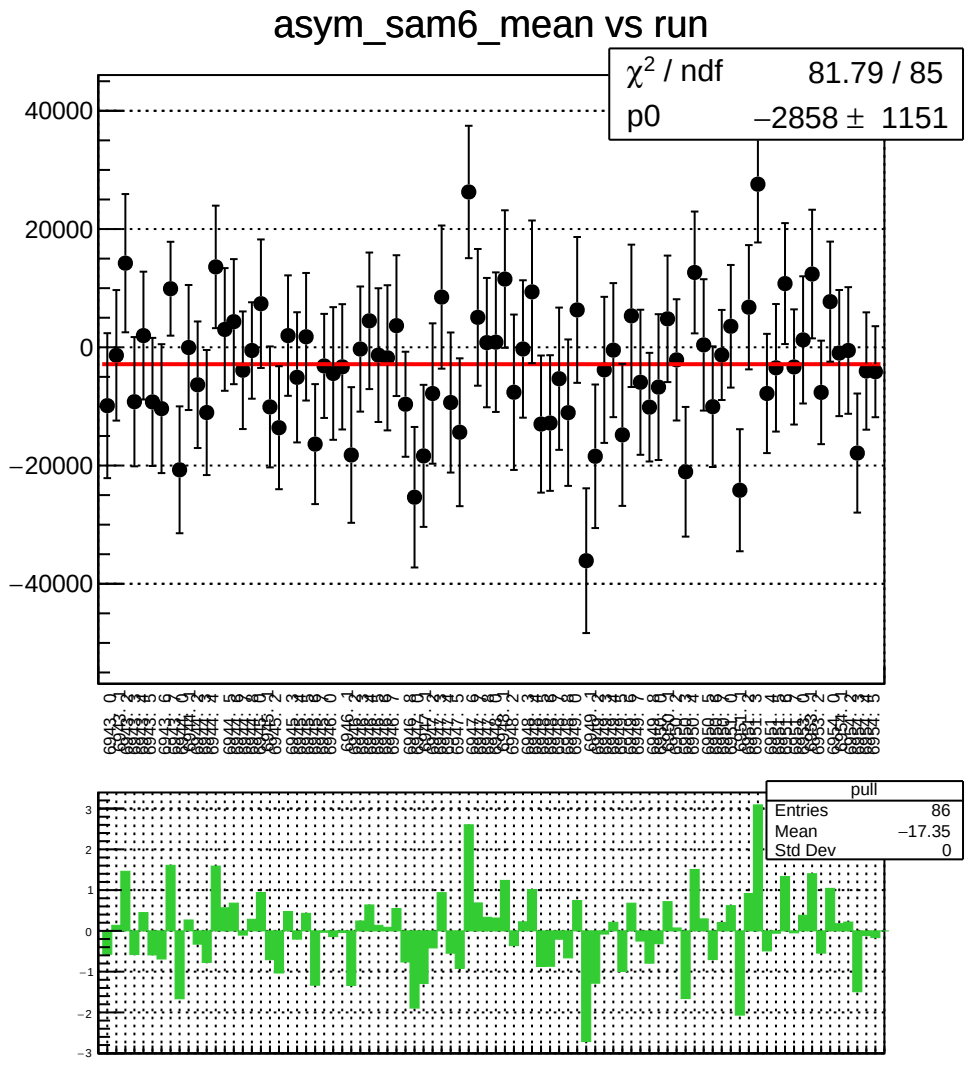

pull1D
Entries 86
Mean 0.00175
Std Dev 1.02

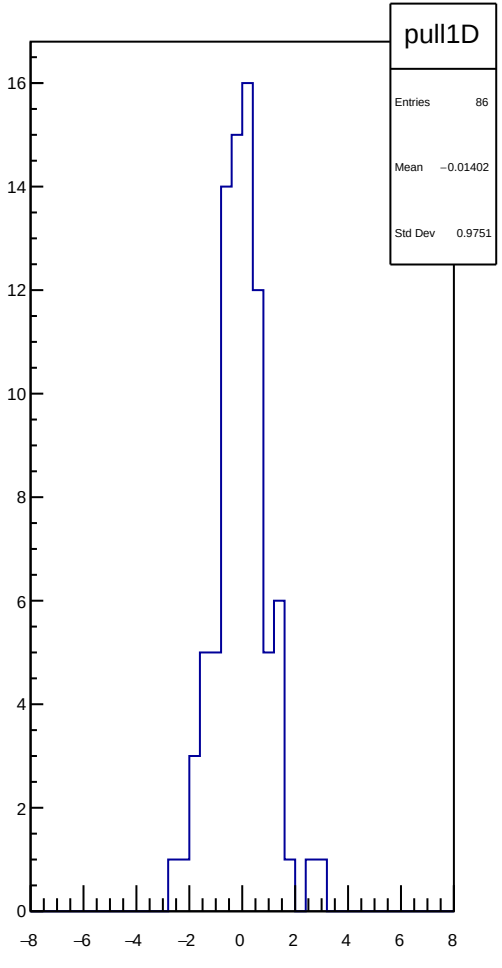

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 1929 / 85
p0 169 ± 0.1314
210
200
190
180
170
160

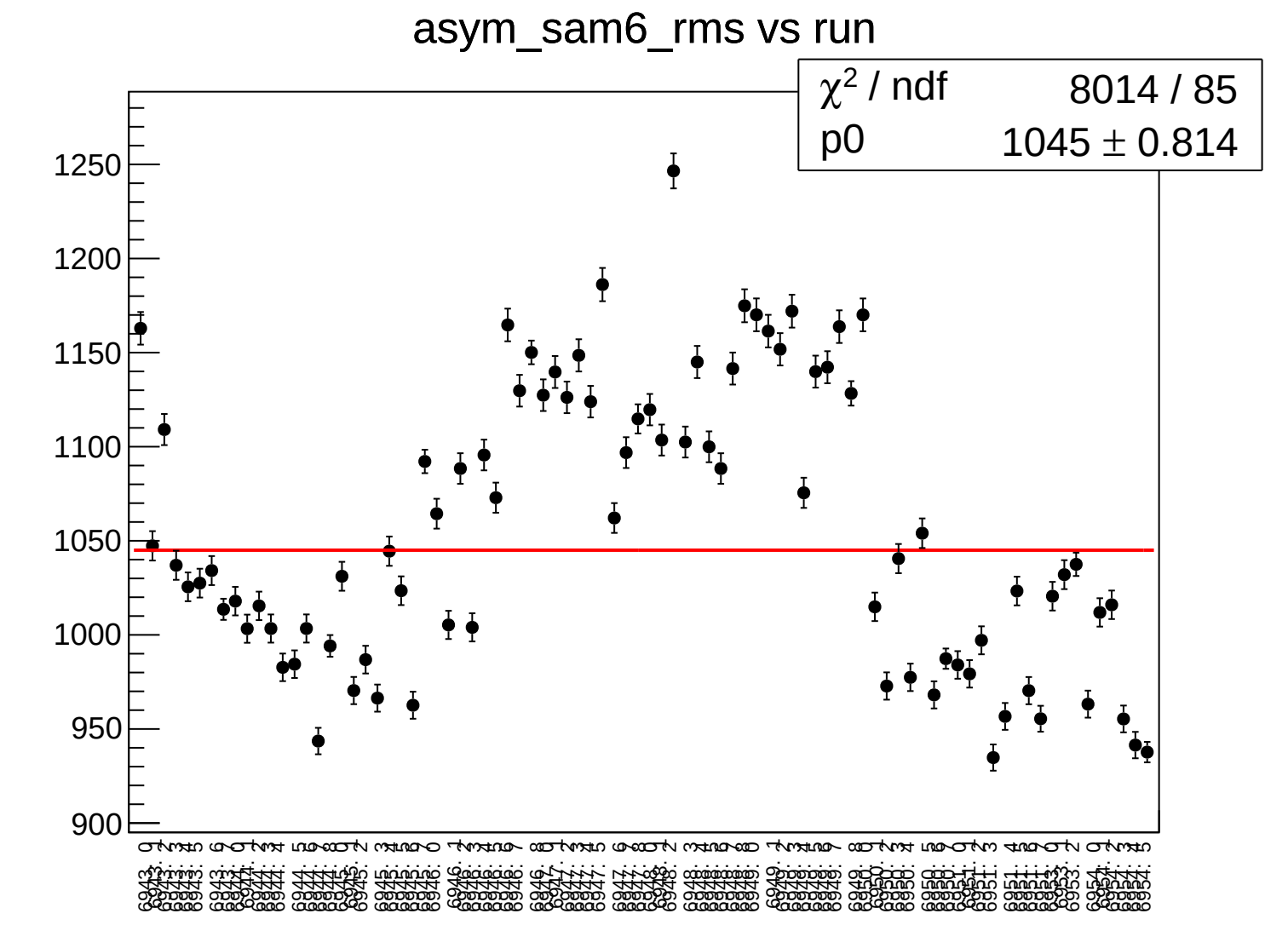

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 82.19 / 85
p0 3111 ± 1181
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −11.54
Std Dev 0
2
1
0
−1
−2
−3

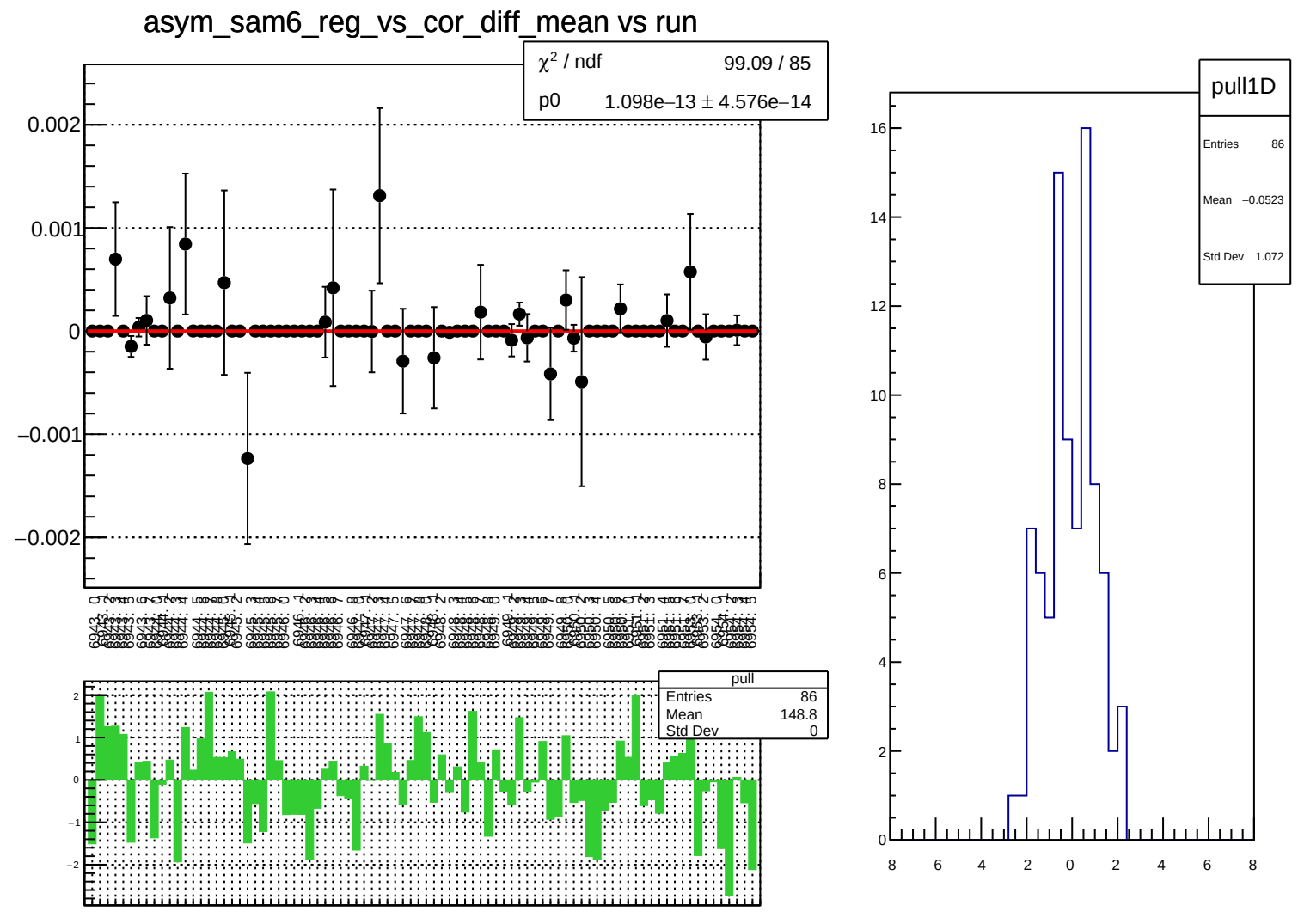

pull1D
Entries 86
Mean 0.01548
Std Dev 0.9775
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

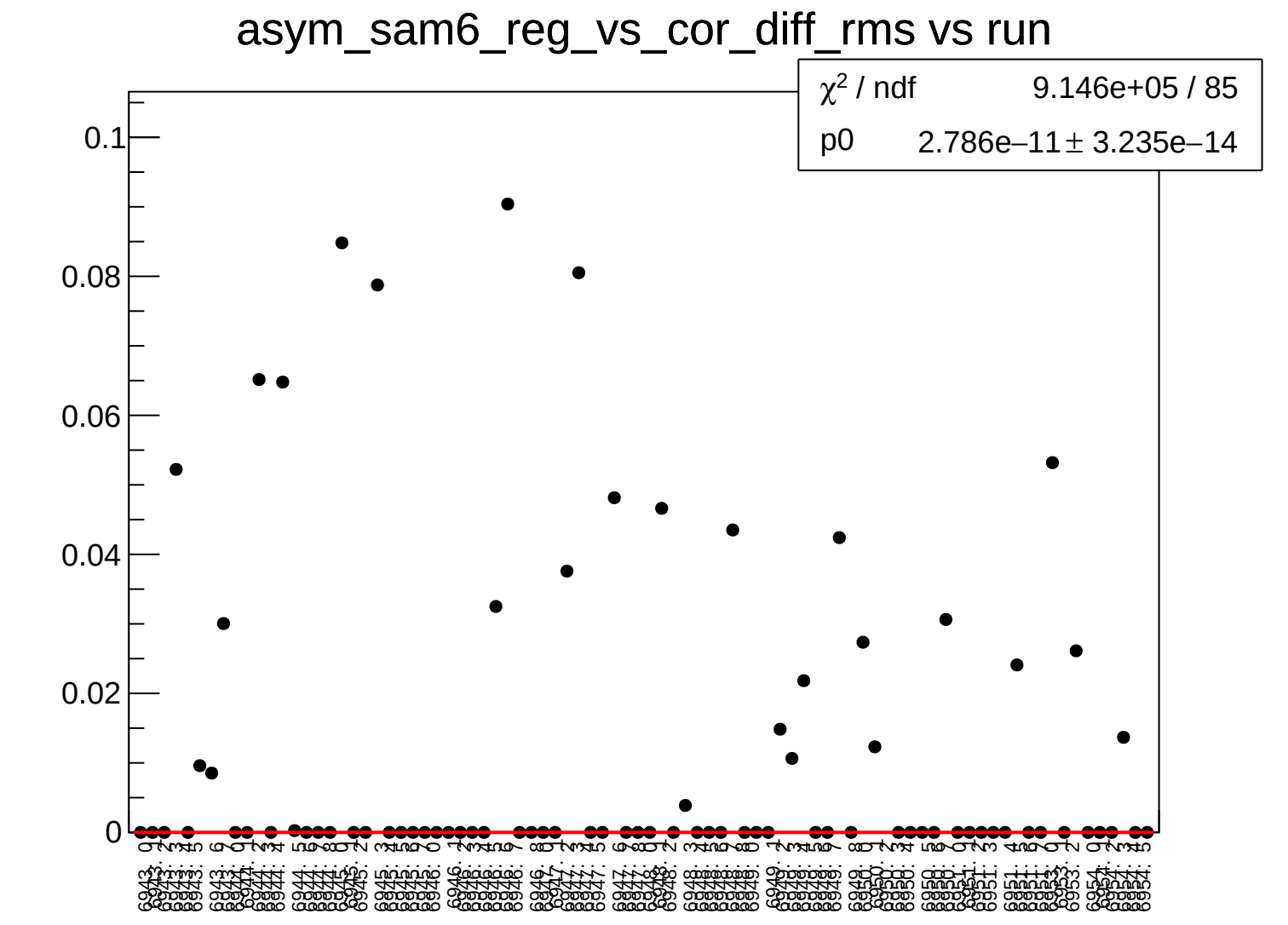

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 7877 / 85
p0 1072 ± 0.8348
1250
1200
1150
1100
1050
1000
950

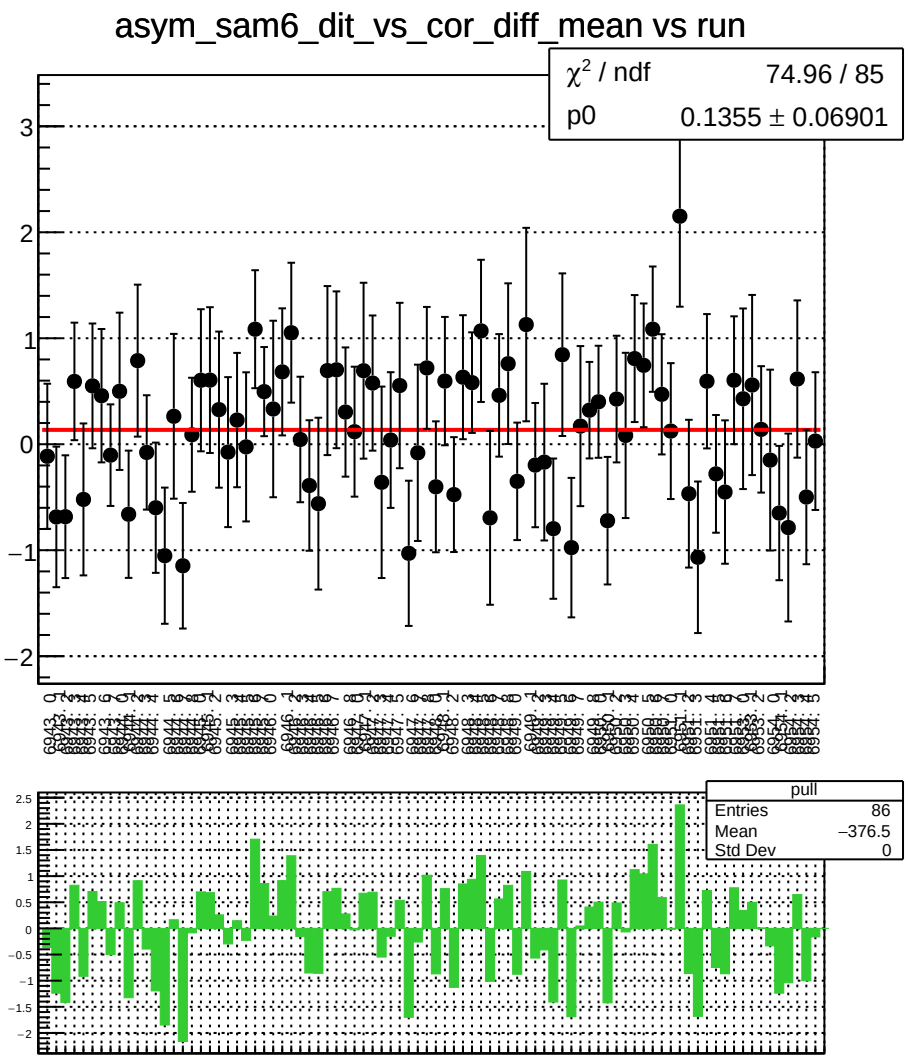

asym_sam6_mean vs run
χ² / ndf 81.79 / 85
p0 −2858 ± 1151
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −17.35
Std Dev 0
3
2
1
0
−1
−2
−3

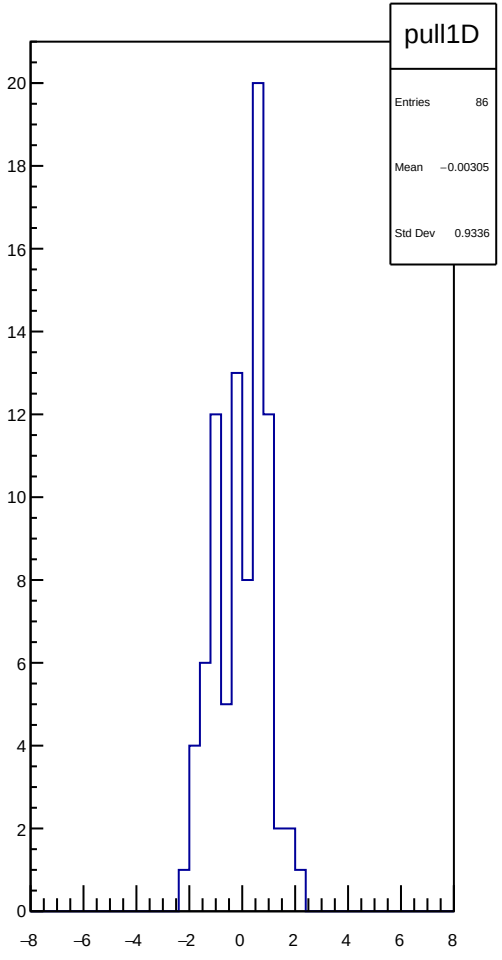

pull1D
Entries 86
Mean −0.01402
Std Dev 0.9751
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

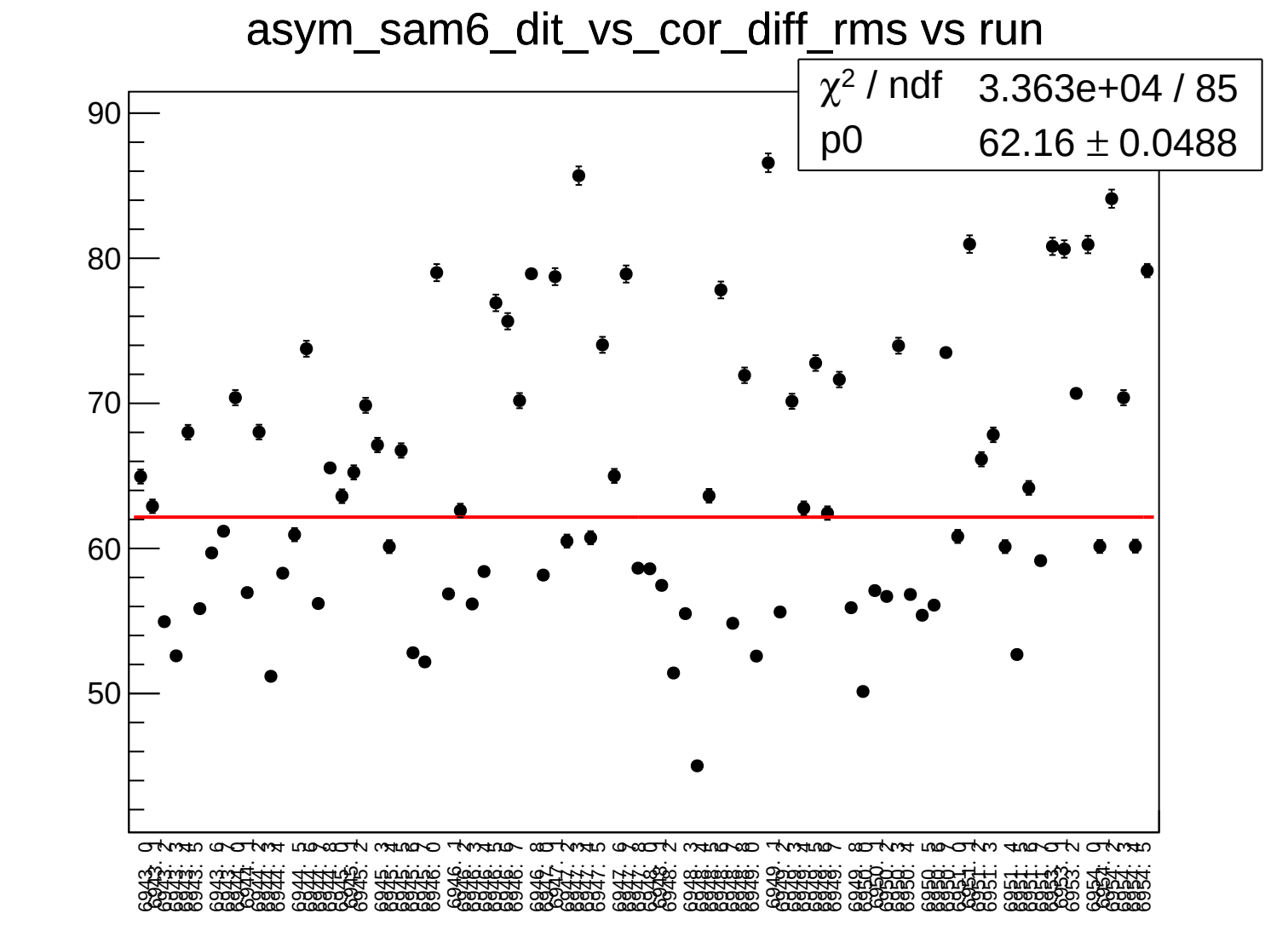

asym_sam6_rms vs run
χ² / ndf 8014 / 85
p0 1045 ± 0.814
1250
1200
1150
1100
1050
1000
950
900

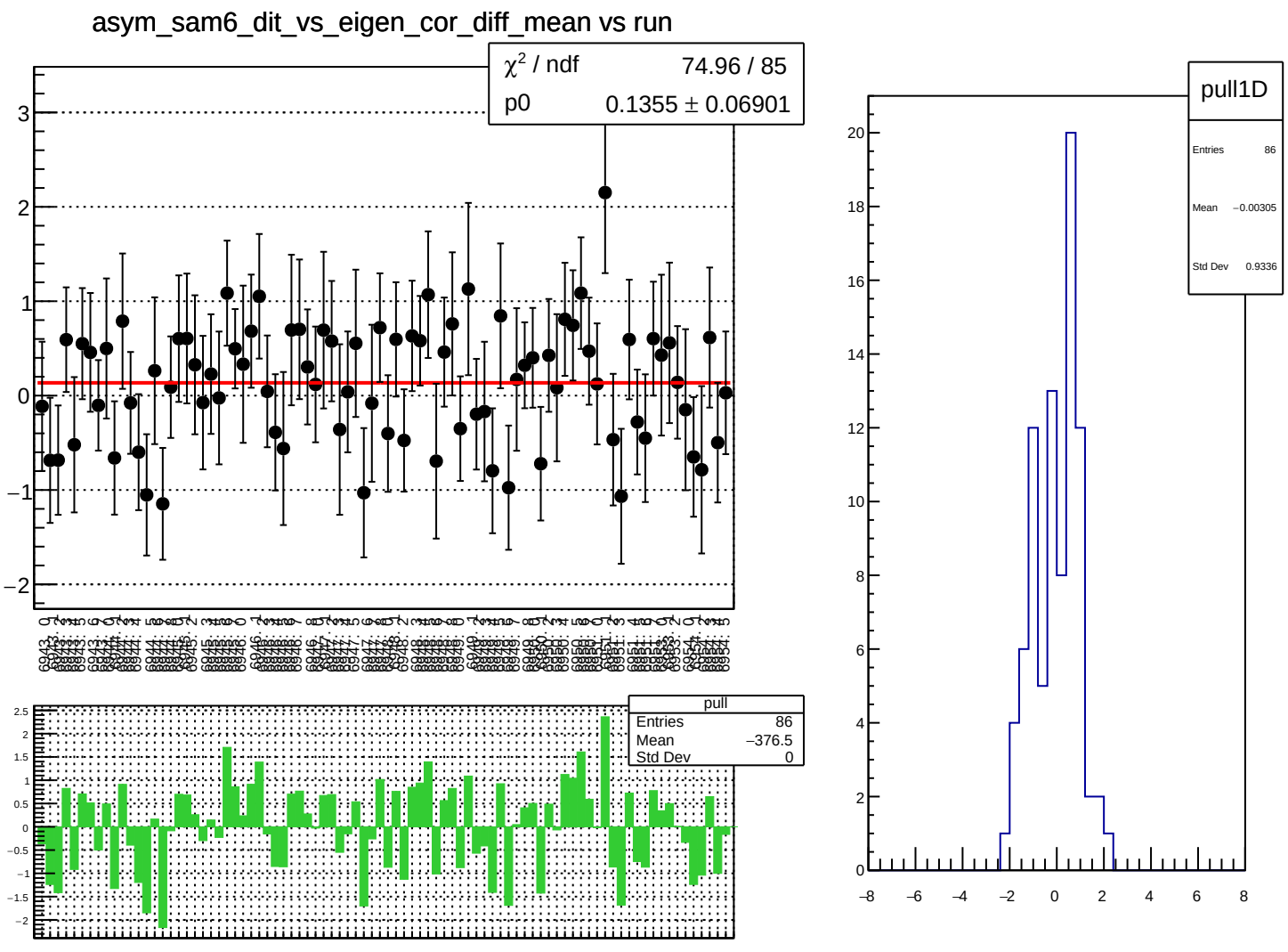

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 99.09 / 85
p0 1.098e−13 ± 4.576e−14
0.002
0.001
0
−0.001
−0.002
pull
Entries 86
Mean 148.8
Std Dev 0
pull1D
Entries 86
Mean −0.0523
Std Dev 1.072

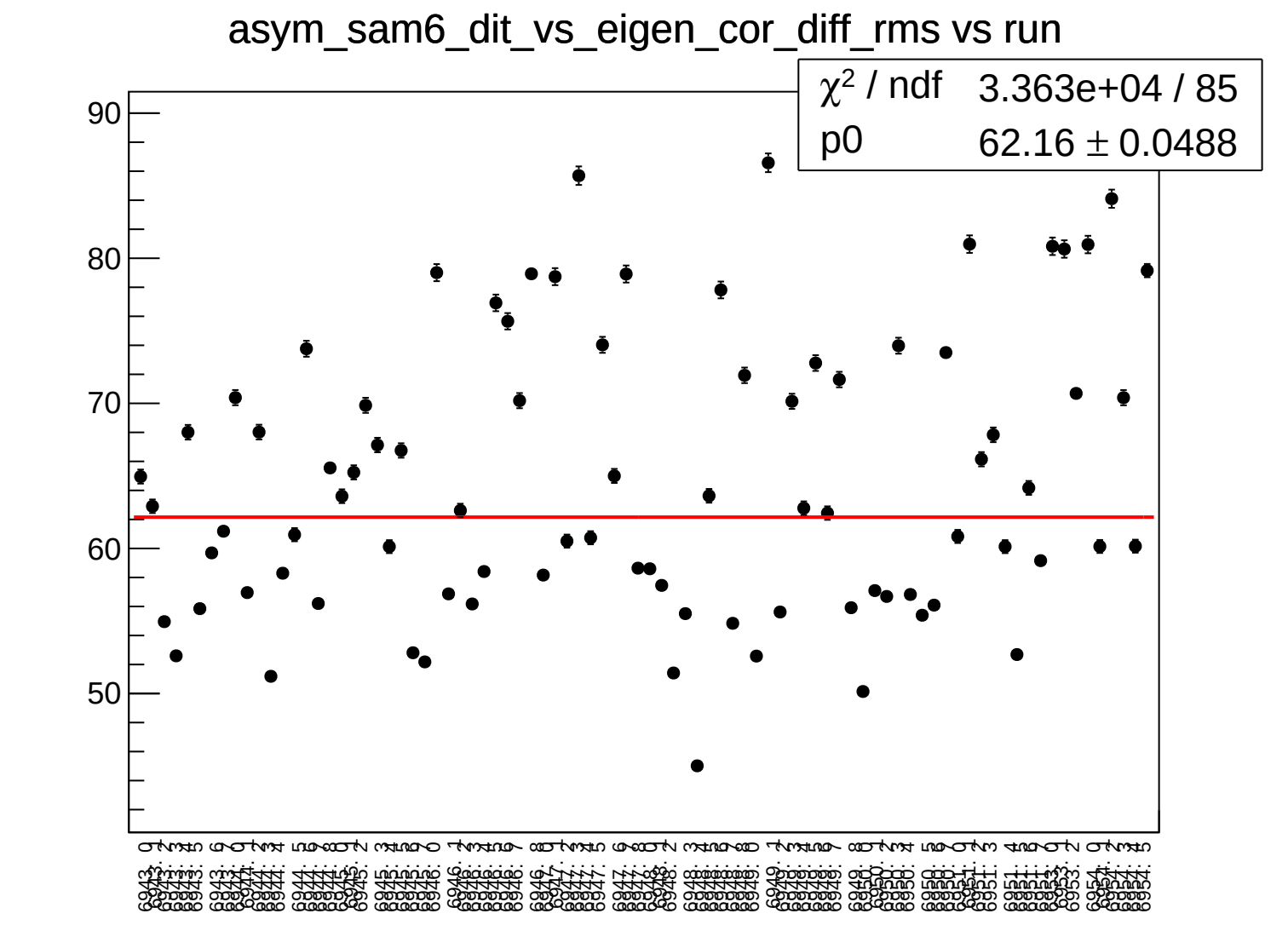

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 9.146e+05 / 85
p0 2.786e−11 ± 3.235e−14
0.1
0.08
0.06
0.04
0.02
0

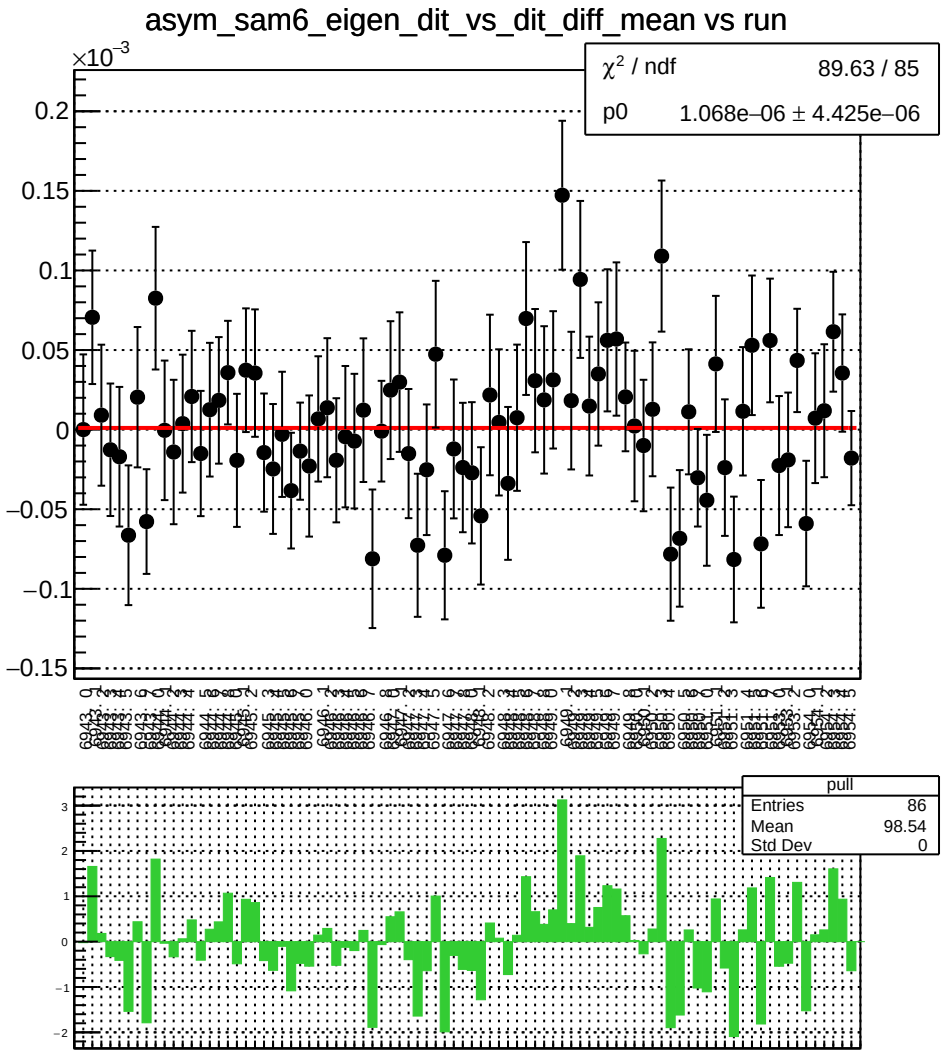

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 74.96 / 85
p0 0.1355 ± 0.06901
pull
Entries 86
Mean −376.5
Std Dev 0

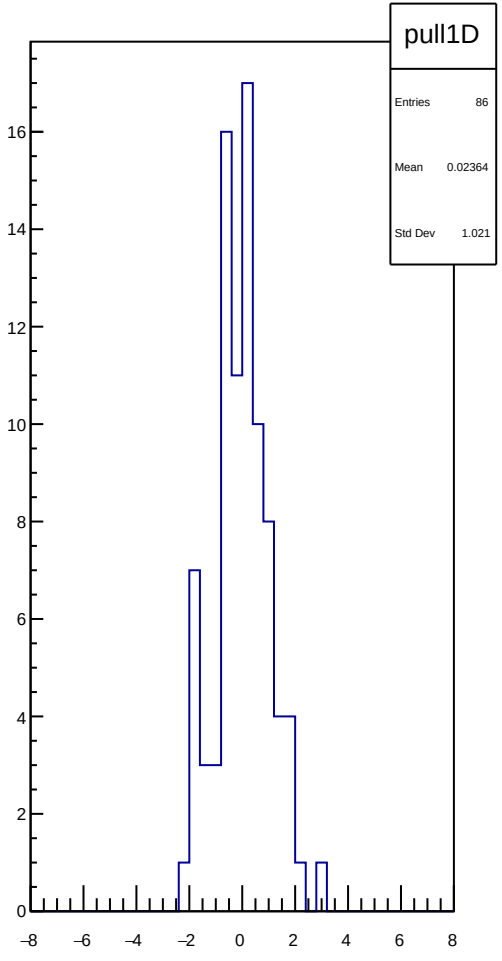

pull1D
Entries 86
Mean −0.00305
Std Dev 0.9336

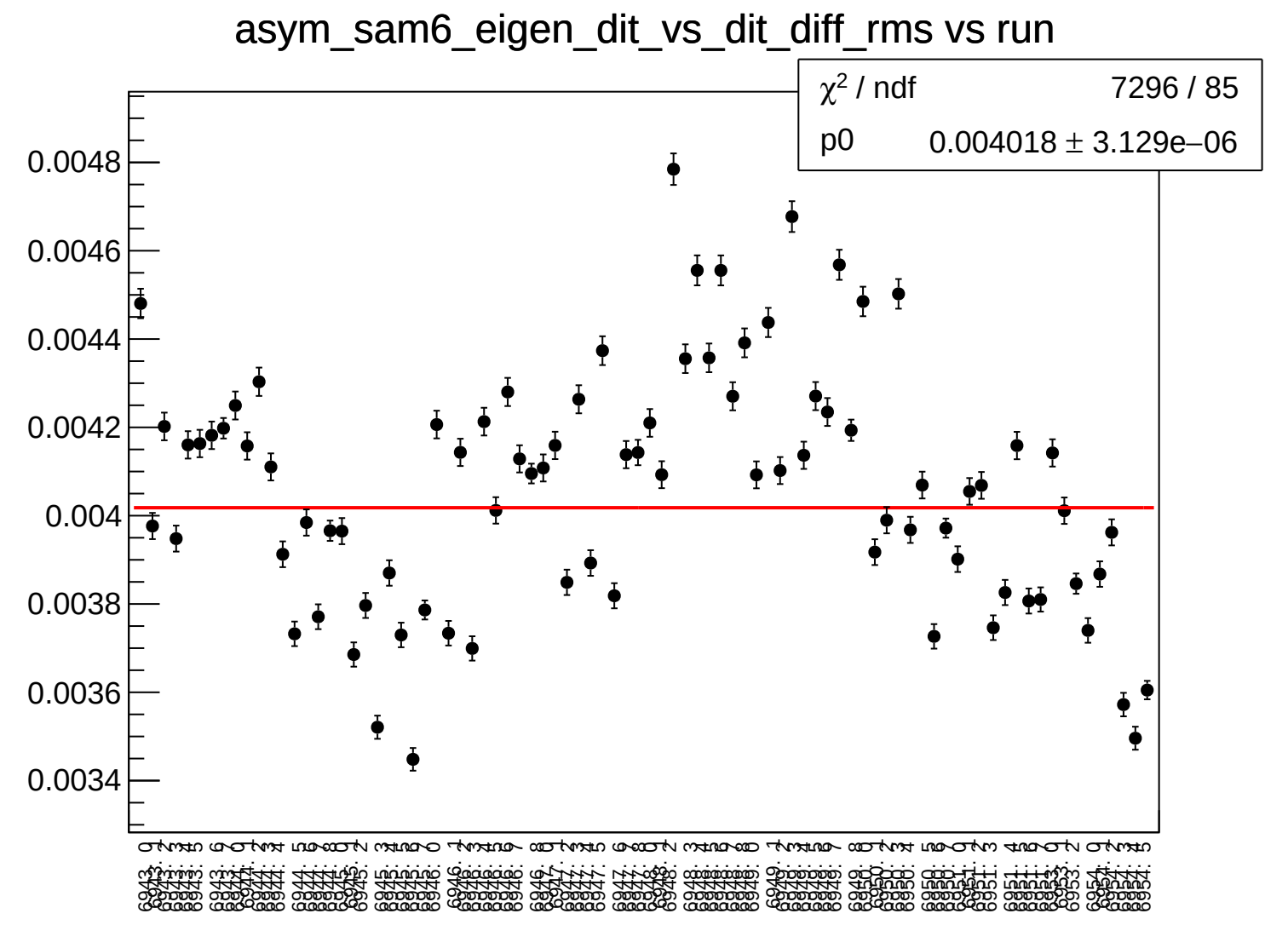

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 3.363e+04 / 85
p0 62.16 ± 0.0488
90
80
70
60
50

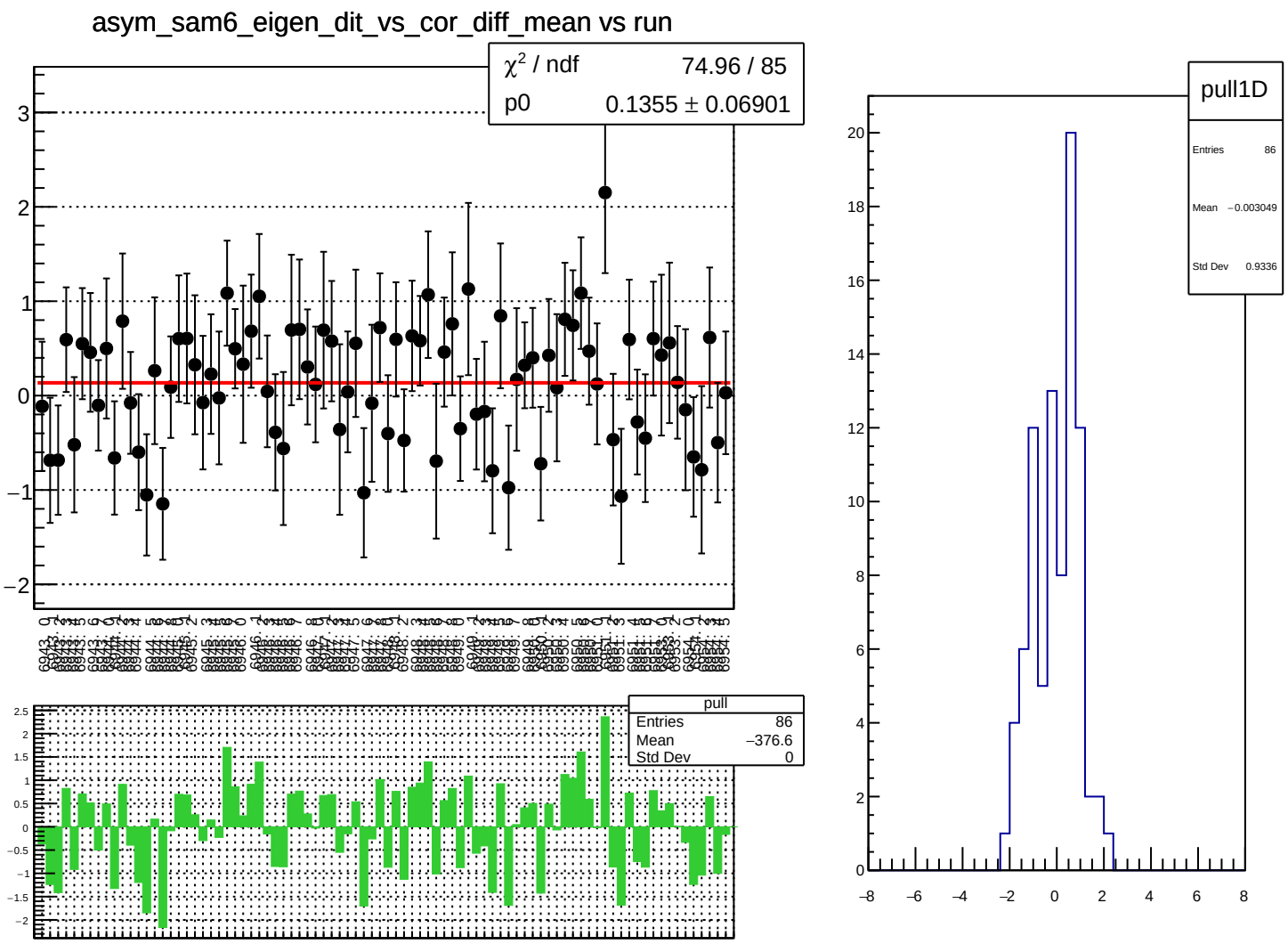

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.96 / 85
p0 0.1355 ± 0.06901
pull
Entries 86
Mean −376.5
Std Dev 0
pull1D
Entries 86
Mean −0.00305
Std Dev 0.9336

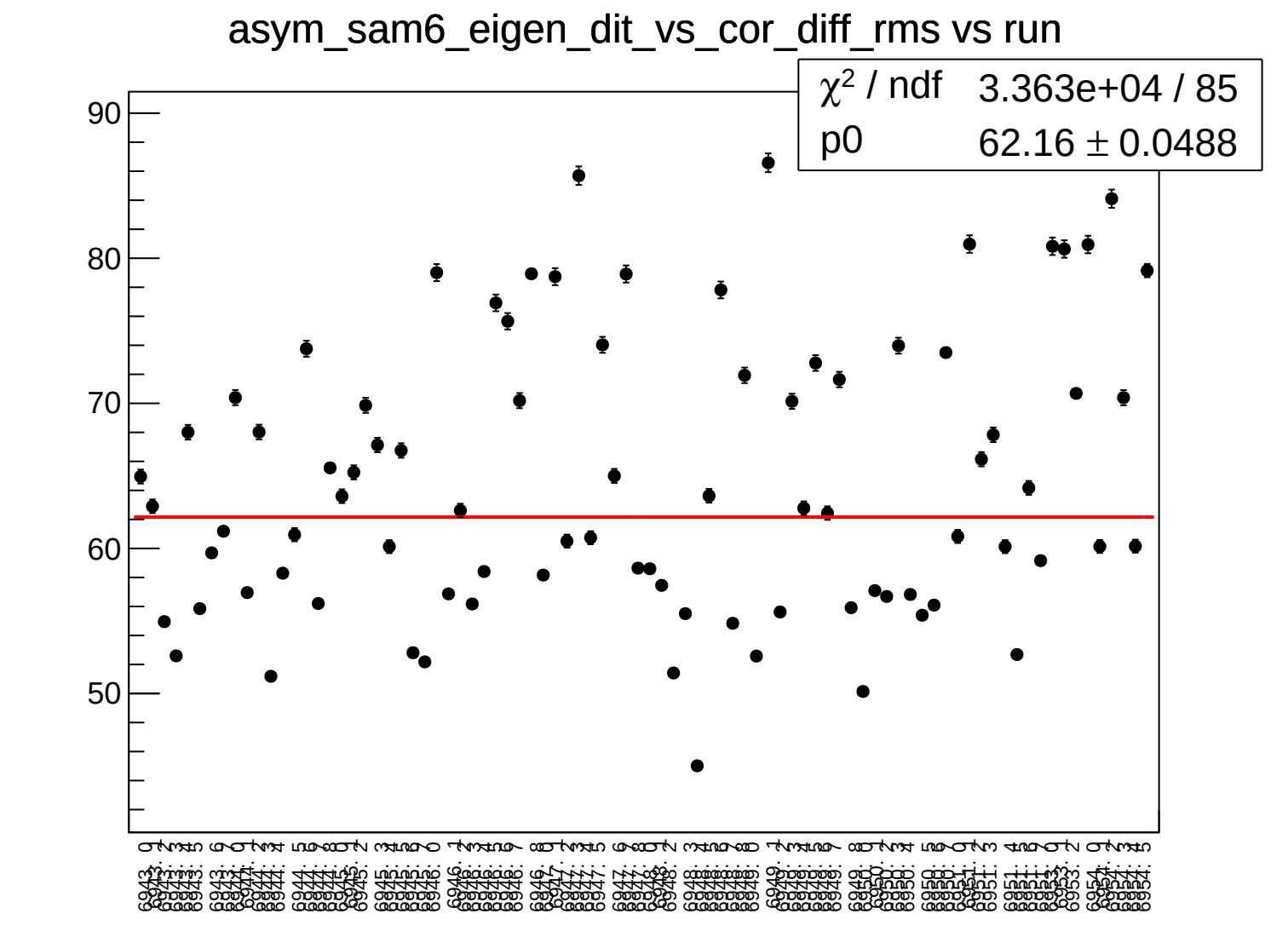

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.363e+04 / 85
p0 62.16 ± 0.0488
90
80
70
60
50

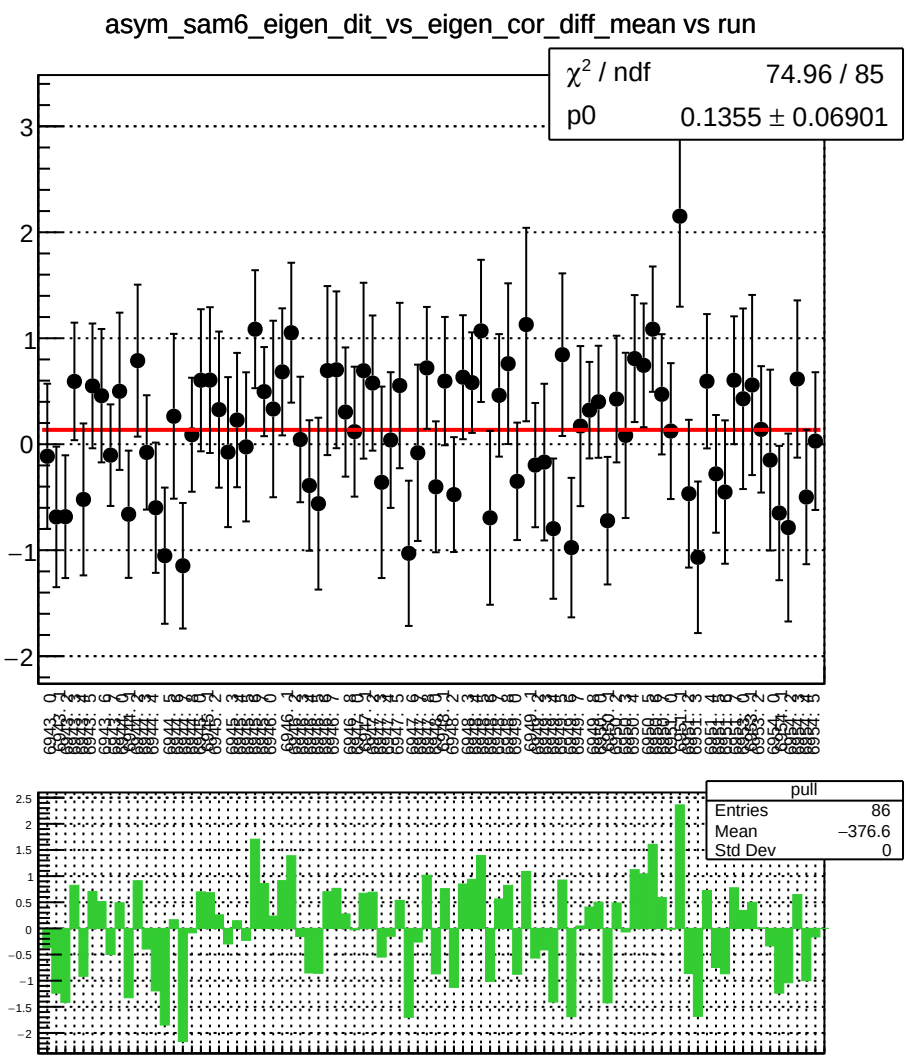

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.63 / 85
p0 1.068e−06 ± 4.425e−06
pull
Entries 86
Mean 98.54
Std Dev 0

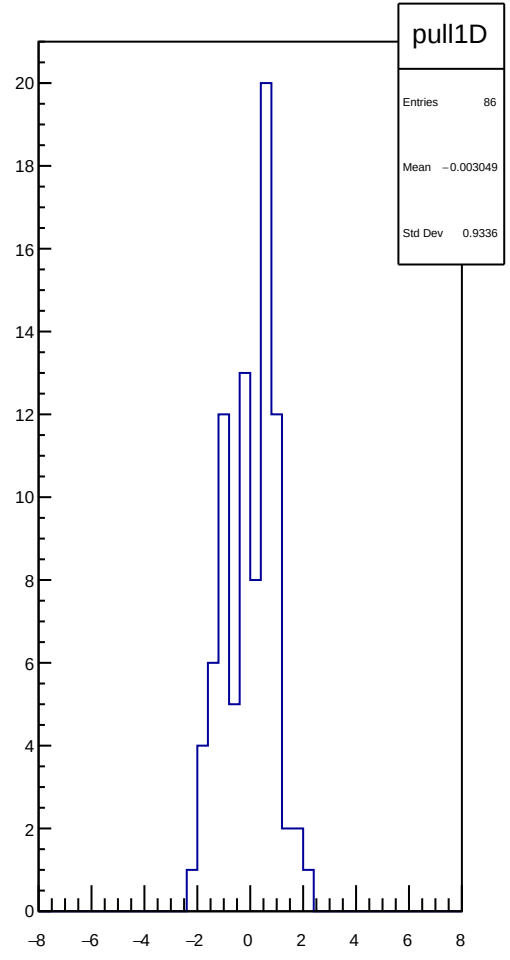

pull1D
Entries 86
Mean 0.02364
Std Dev 1.021

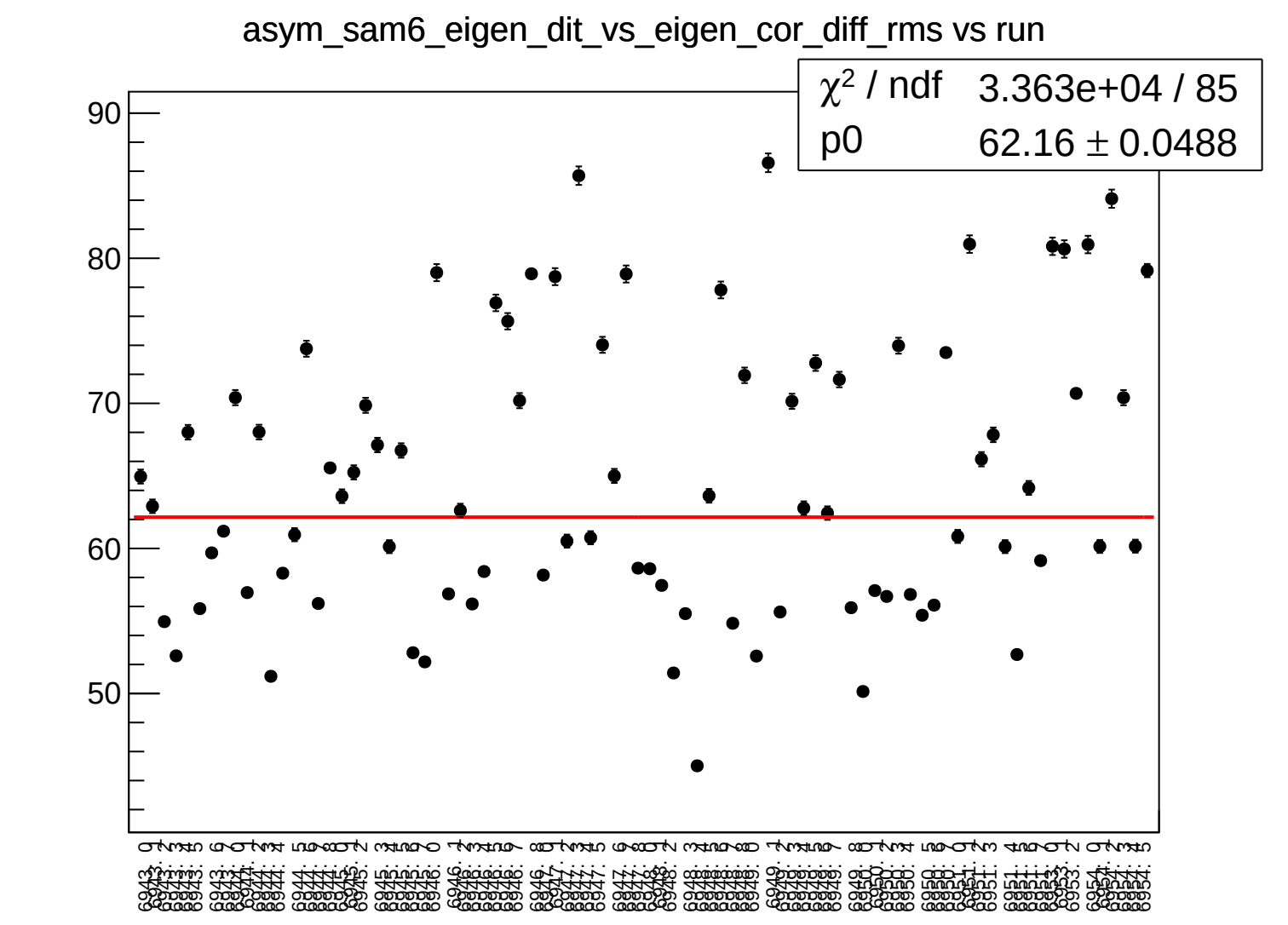

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7296 / 85
p0 0.004018 ± 3.129e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

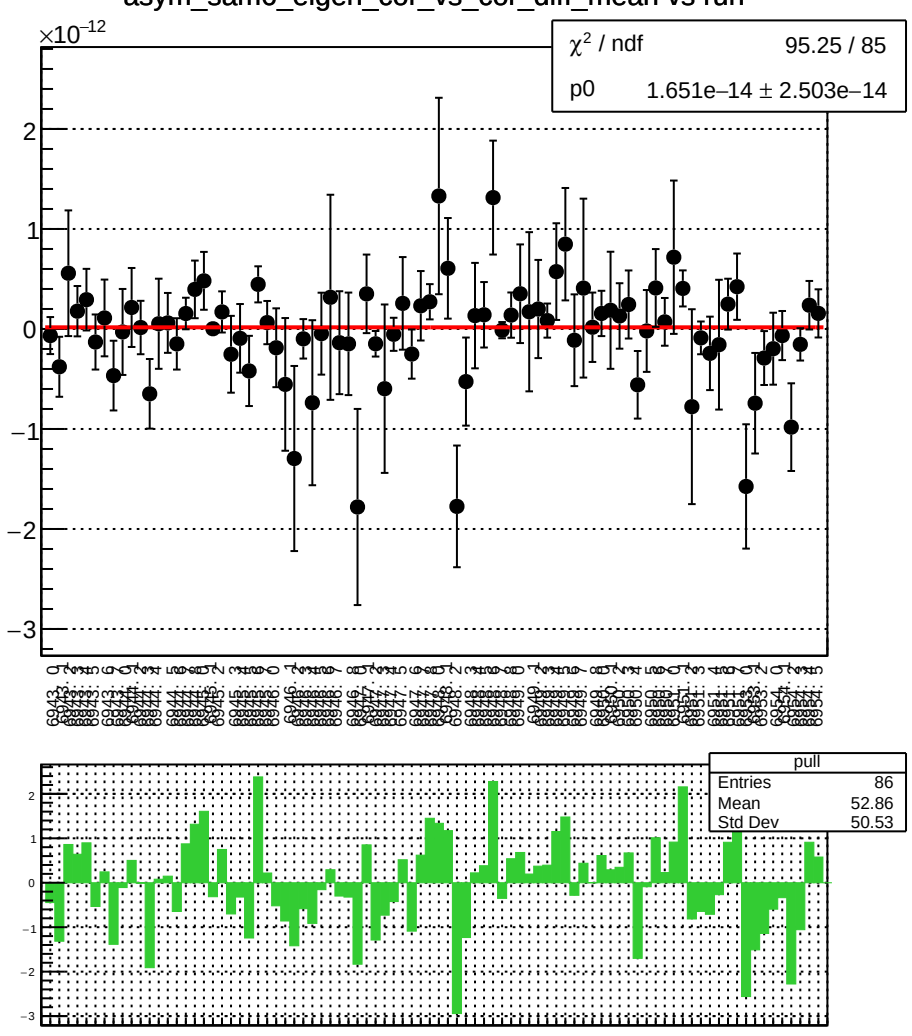

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.96 / 85
p0 0.1355 ± 0.06901
pull
Entries 86
Mean −376.6
Std Dev 0
pull1D
Entries 86
Mean −0.003049
Std Dev 0.9336

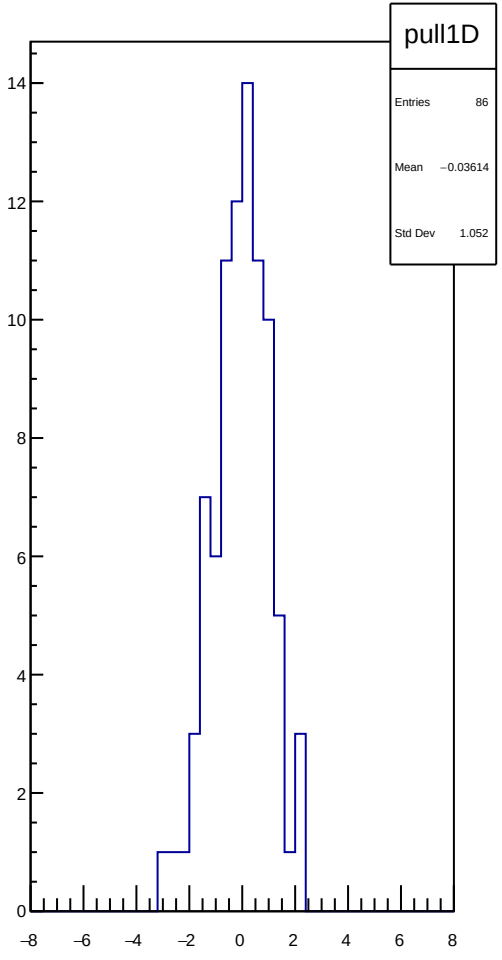

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.363e+04 / 85
p0 62.16 ± 0.0488
90
80
70
60
50

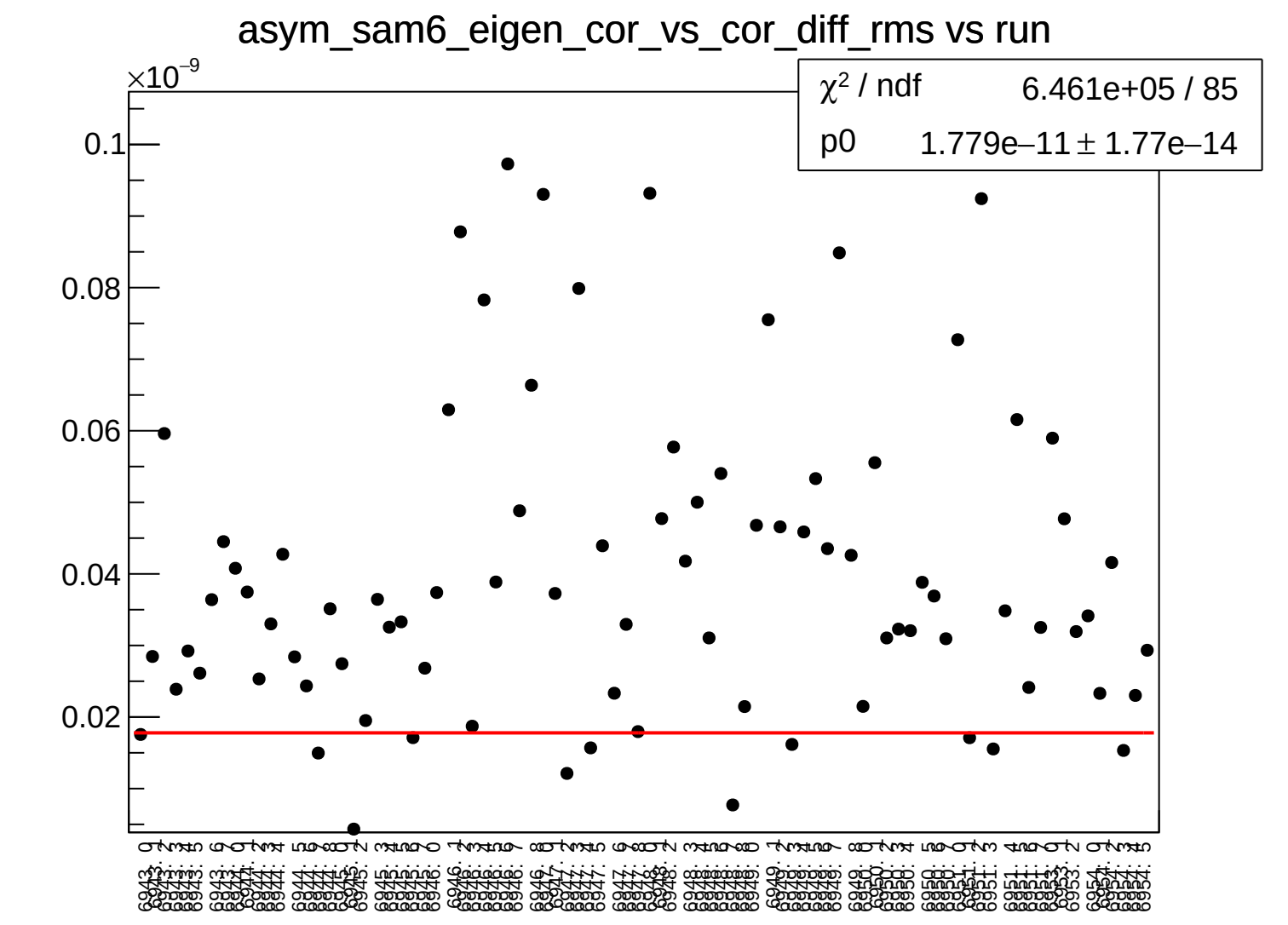

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.96 / 85
p0 0.1355 ± 0.06901
pull
Entries 86
Mean −376.6
Std Dev 0

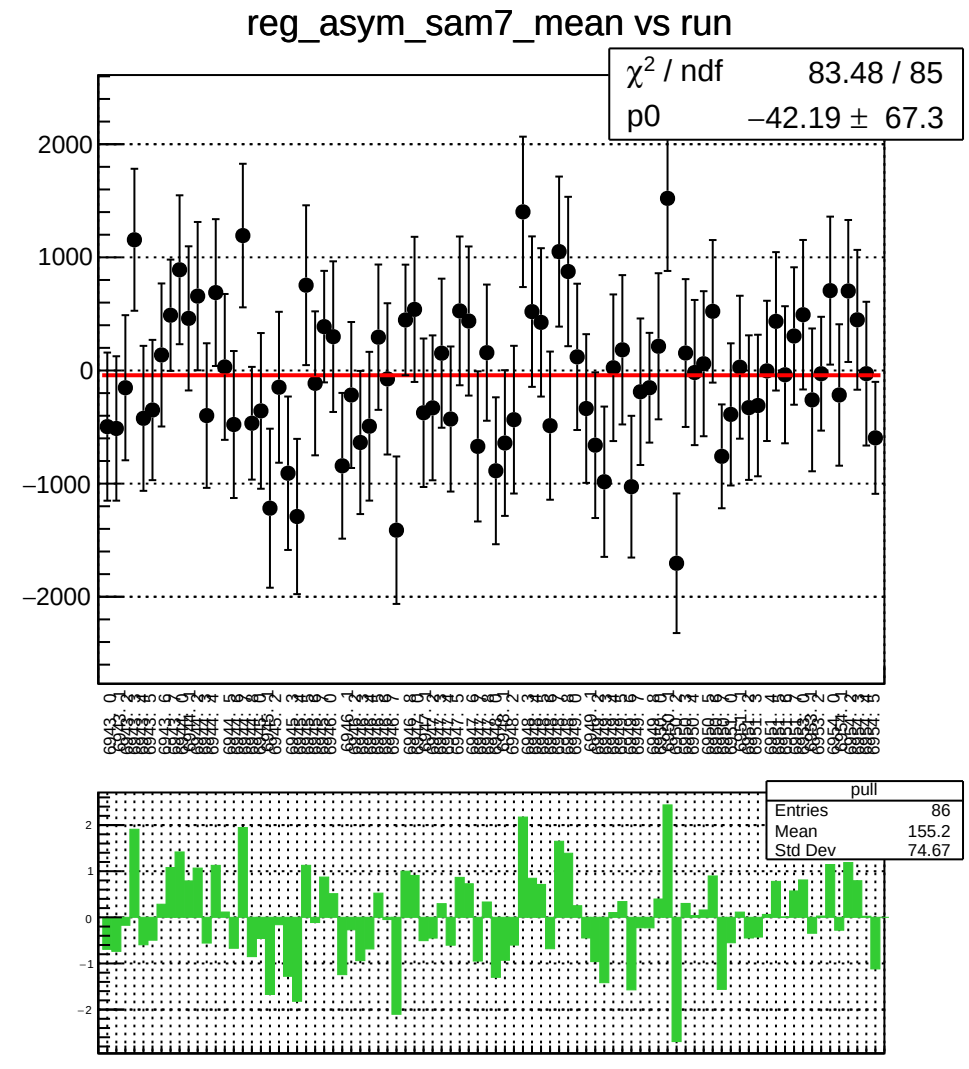

pull1D
Entries 86
Mean −0.003049
Std Dev 0.9336

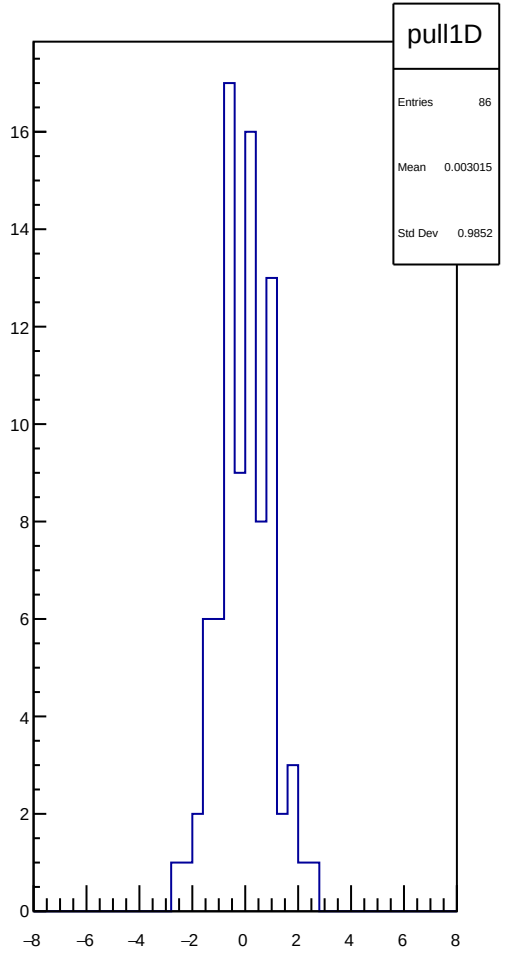

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.363e+04 / 85
p0 62.16 ± 0.0488
90
80
70
60
50

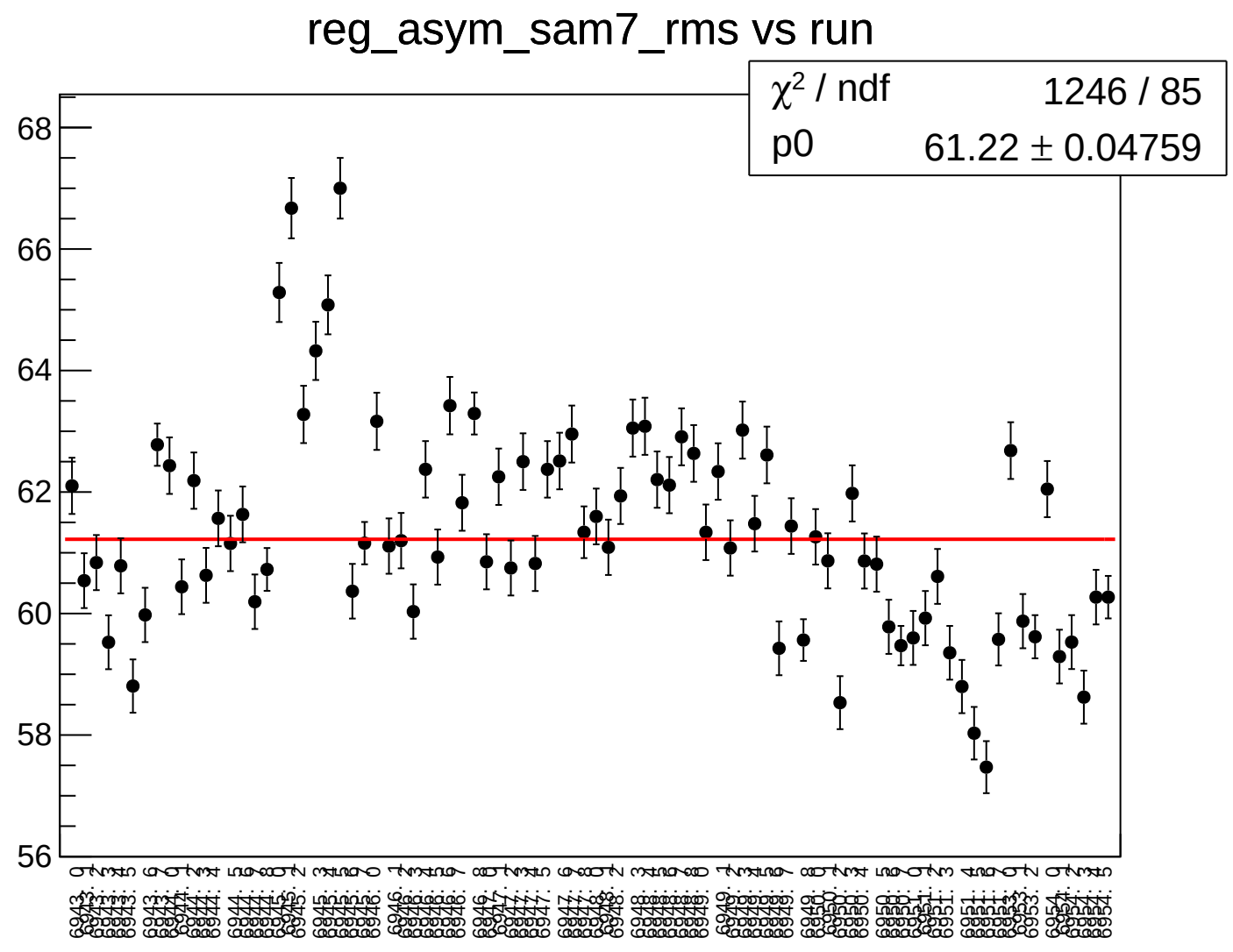

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95.25 / 85
p0 1.651e−14 ± 2.503e−14
pull
Entries 86
Mean 52.86
Std Dev 50.53

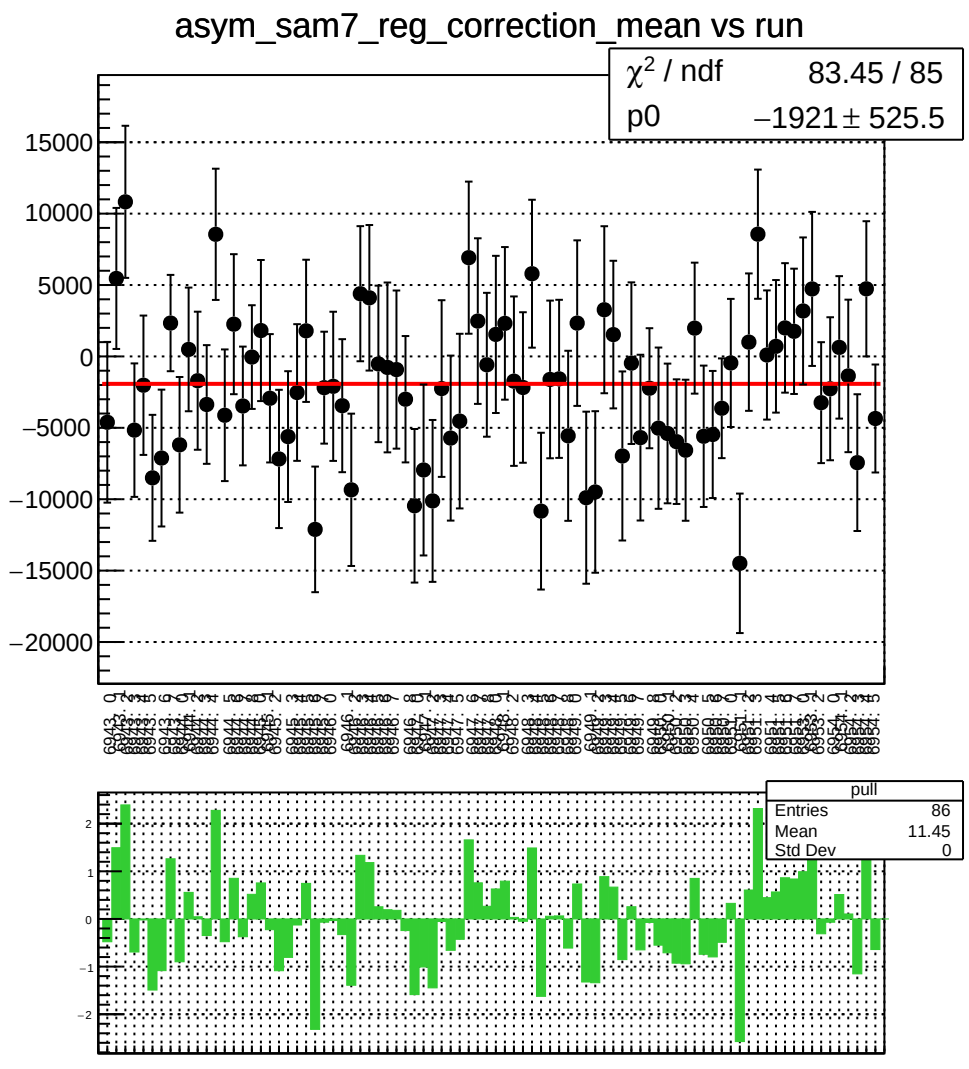

pull1D
Entries 86
Mean −0.03614
Std Dev 1.052

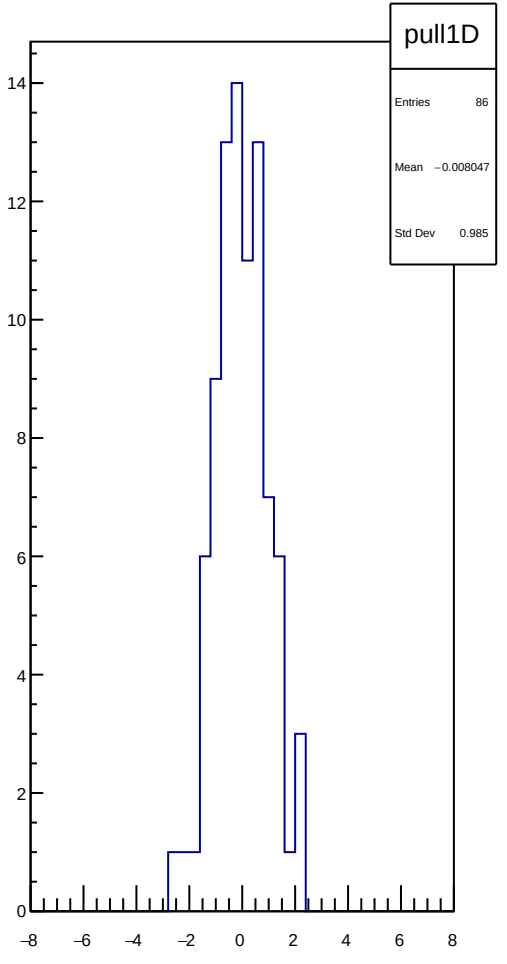

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.461e+05 / 85
p0 1.779e−11 ± 1.77e−14
0.1
0.08
0.06
0.04
0.02

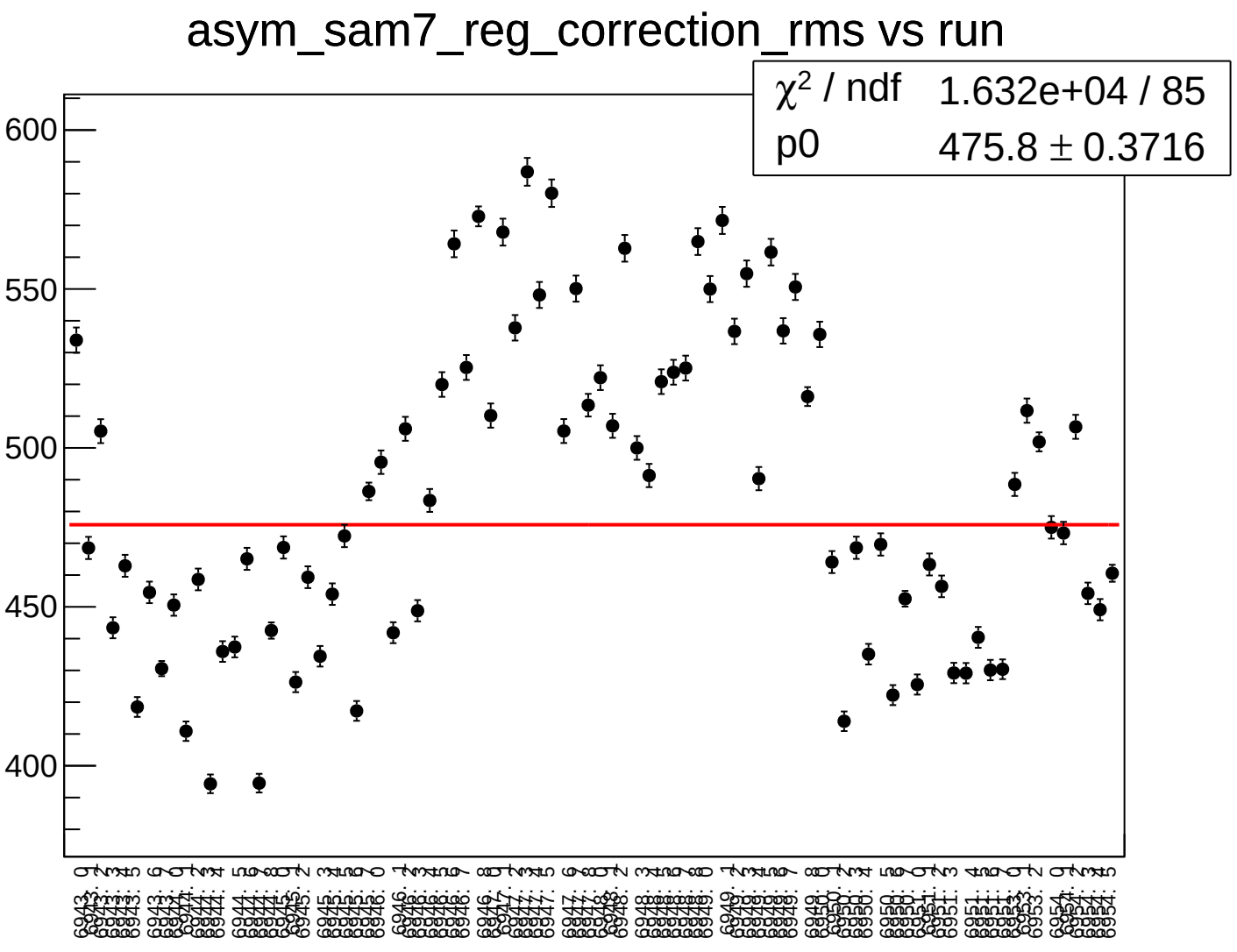

reg_asym_sam7_mean vs run
χ² / ndf 83.48 / 85
p0 −42.19 ± 67.3
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 155.2
Std Dev 74.67
2
1
0
−1
−2

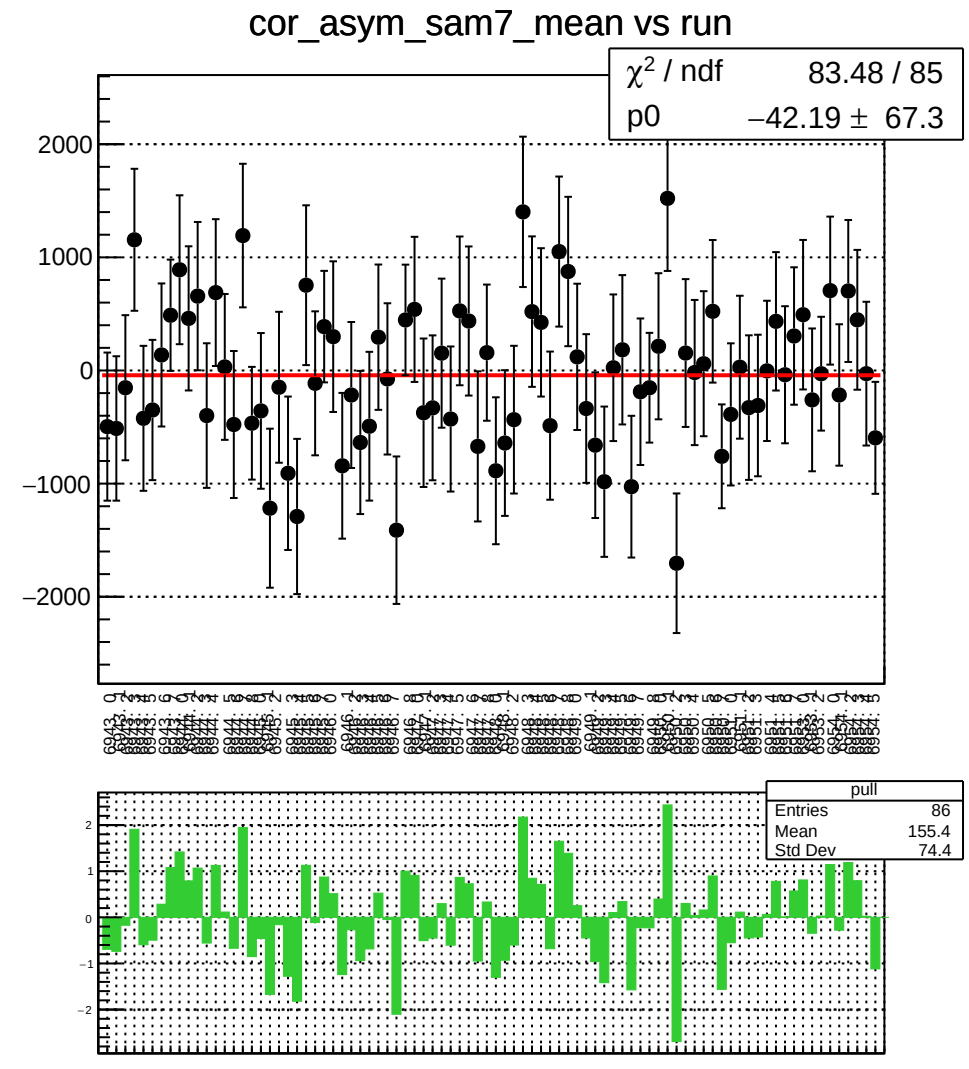

pull1D
Entries 86
Mean 0.003015
Std Dev 0.9852
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

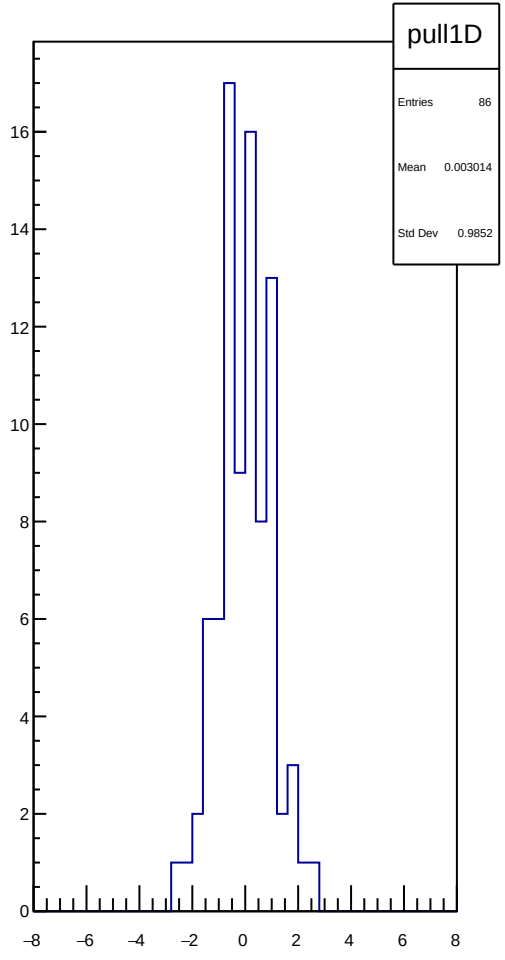

reg_asym_sam7_rms vs run
χ² / ndf 1246 / 85
p0 61.22 ± 0.04759
68
66
64
62
60
58
56

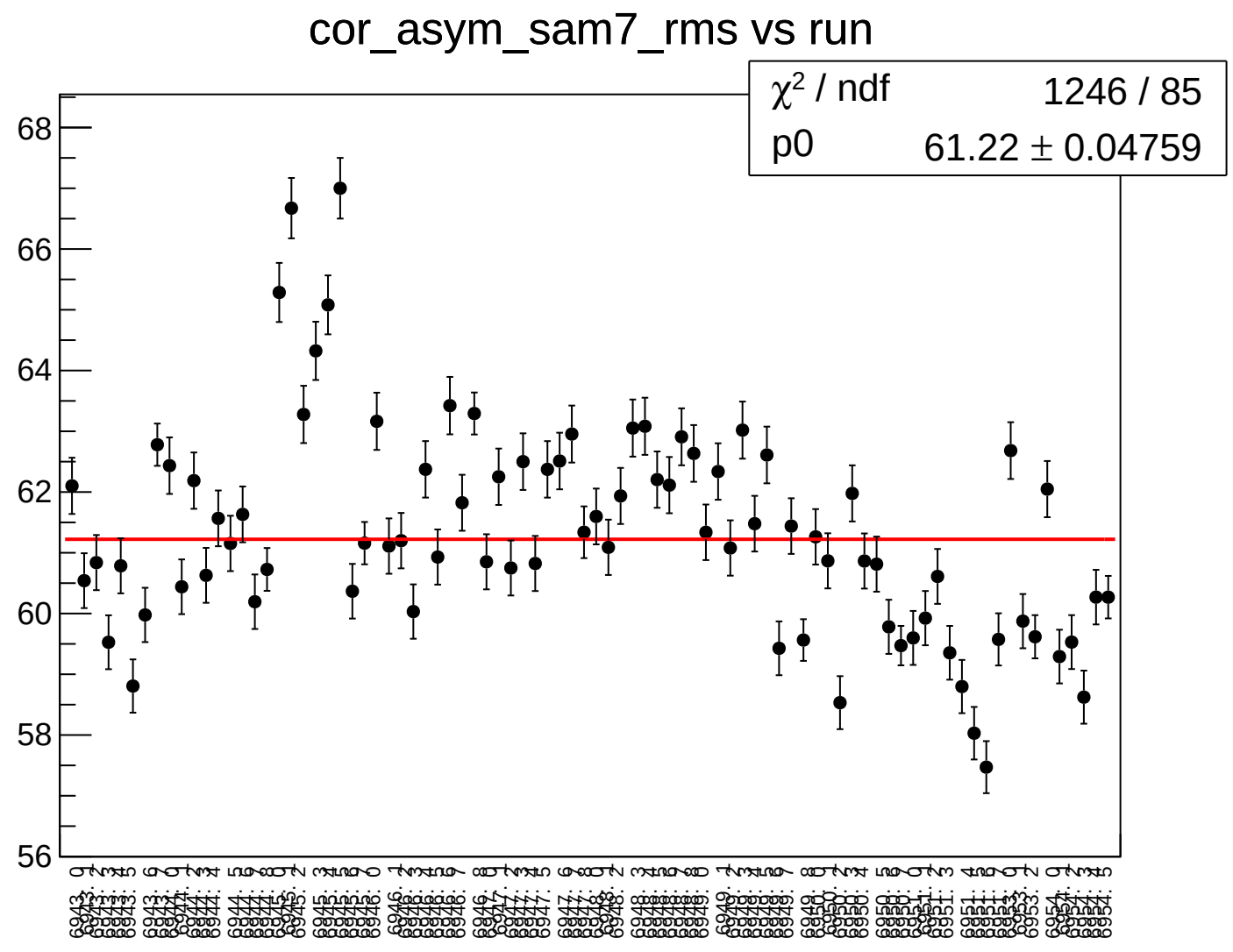

asym_sam7_reg_correction_mean vs run
χ² / ndf 83.45 / 85
p0 −1921 ± 525.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 11.45
Std Dev 0
2
1
0
−1
−2

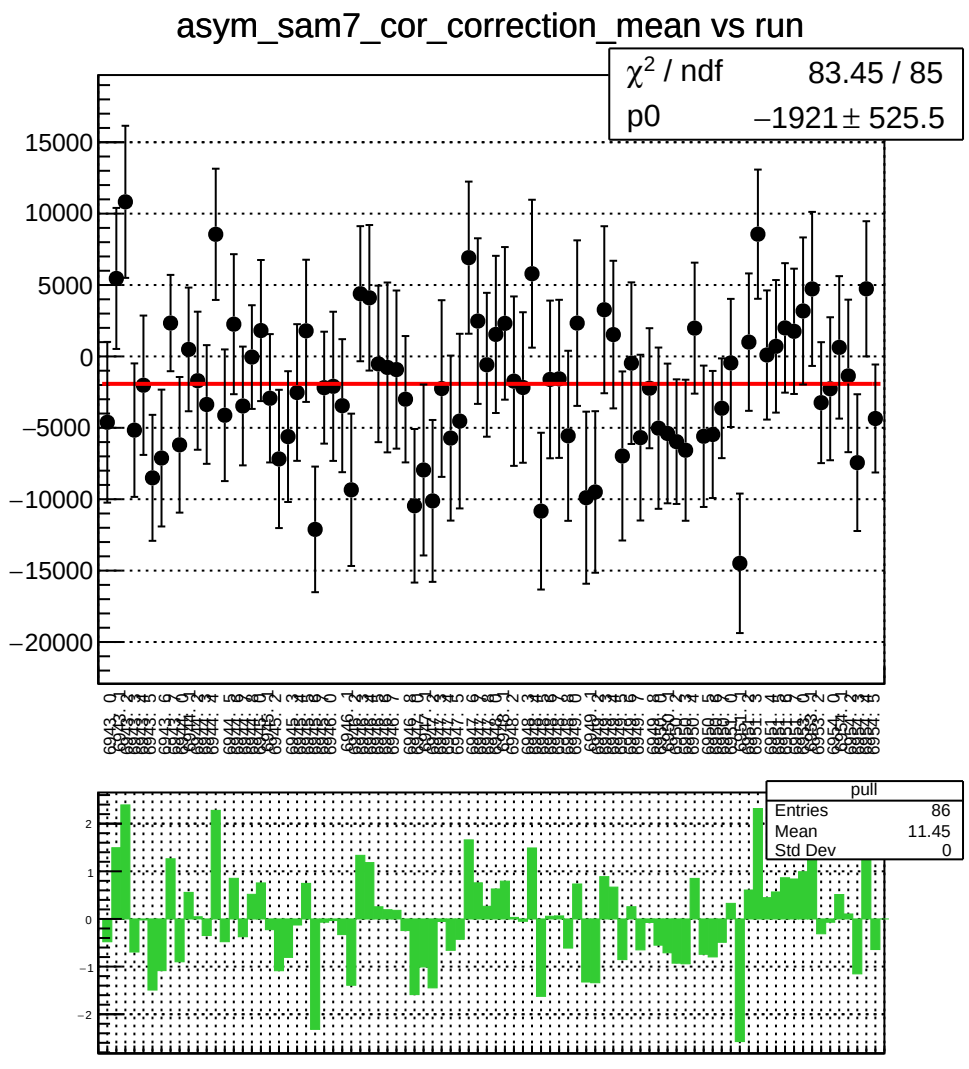

pull1D
Entries 86
Mean −0.008047
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

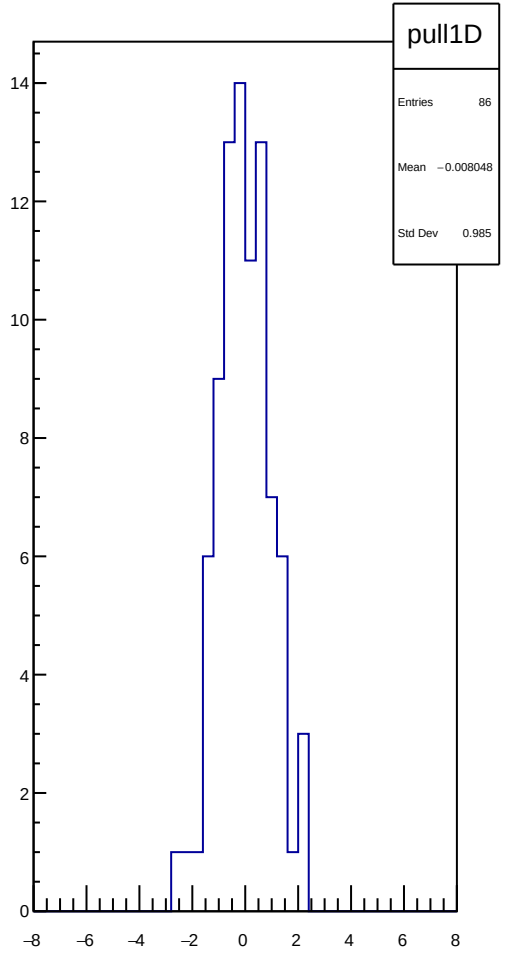

asym_sam7_reg_correction_rms vs run
χ² / ndf 1.632e+04 / 85
p0 475.8 ± 0.3716
600
550
500
450
400

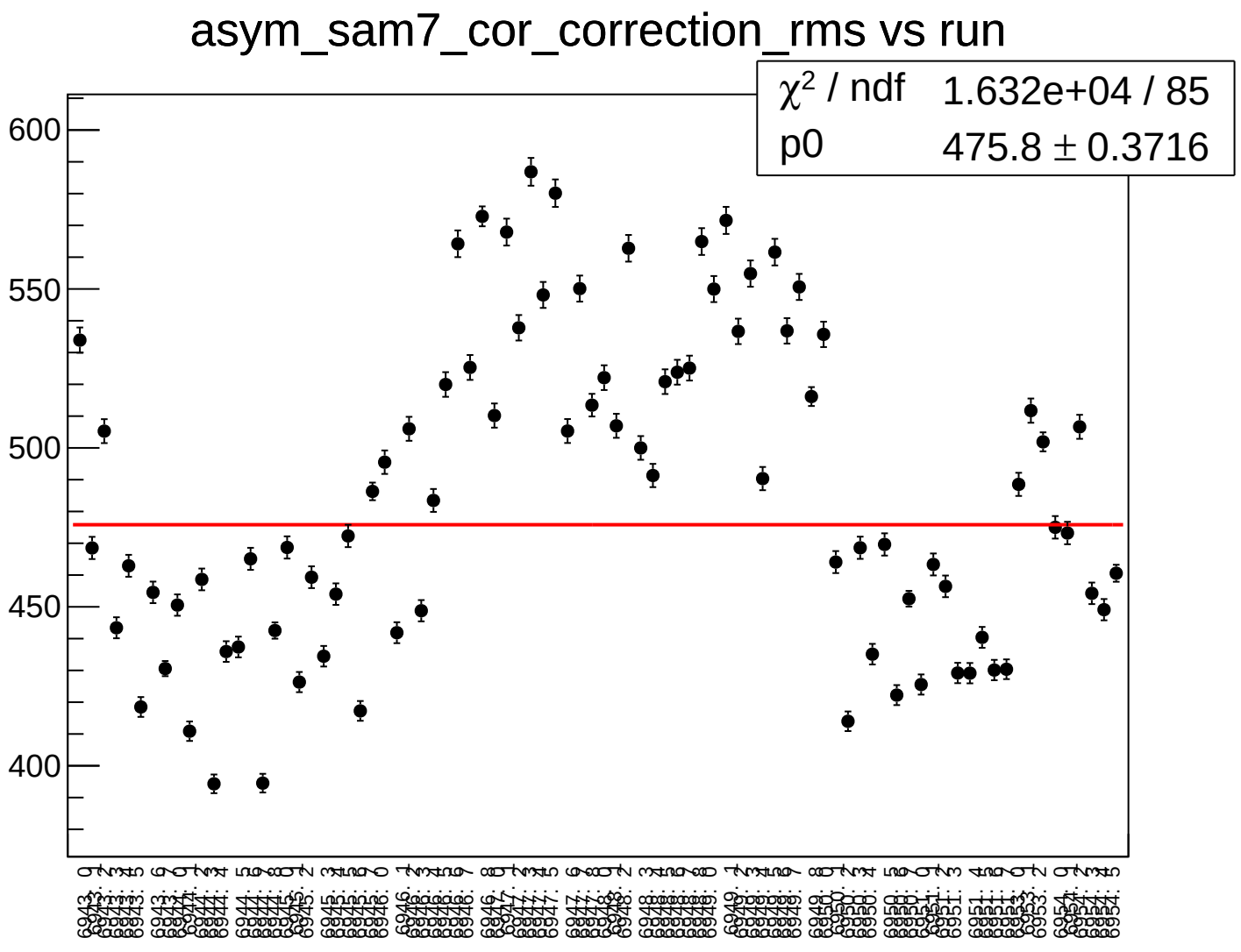

cor_asym_sam7_mean vs run
χ² / ndf 83.48 / 85
p0 −42.19 ± 67.3
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 155.4
Std Dev 74.4
2
1
0
−1
−2

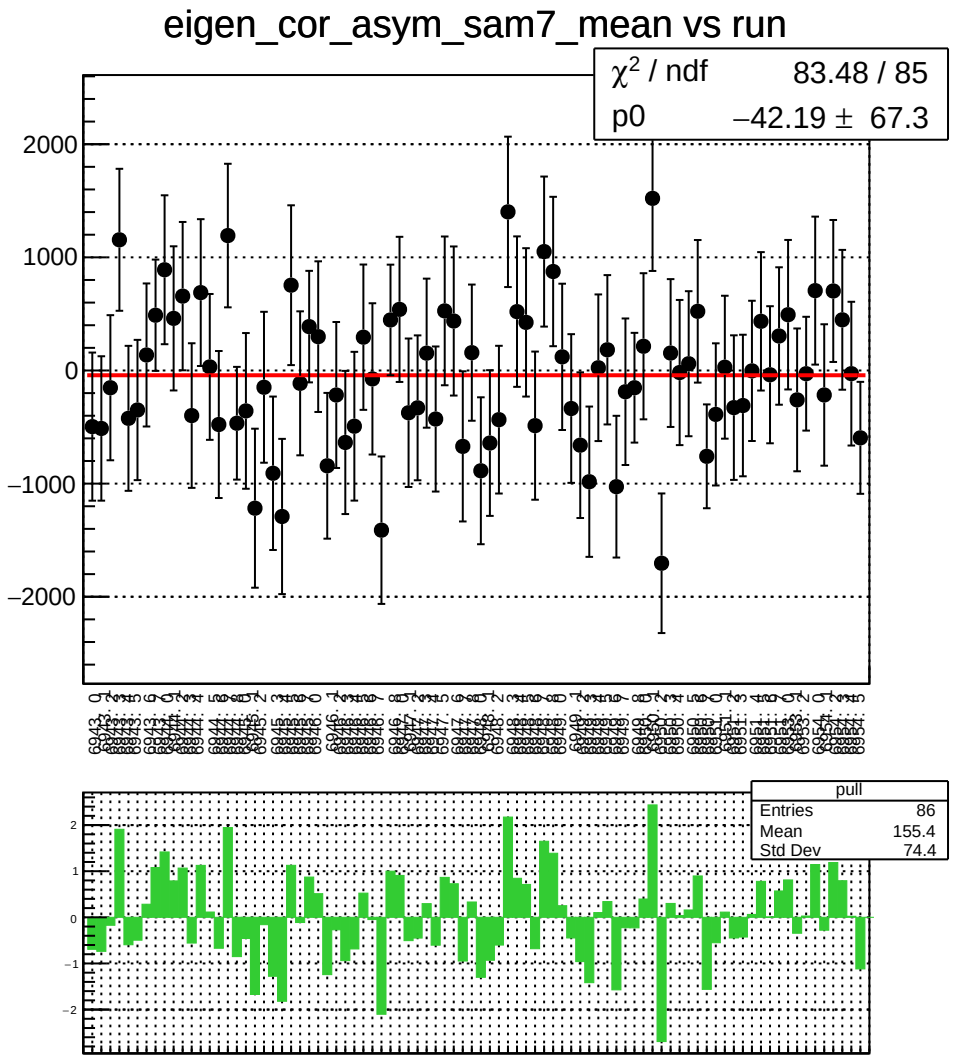

pull1D
Entries 86
Mean 0.003014
Std Dev 0.9852
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

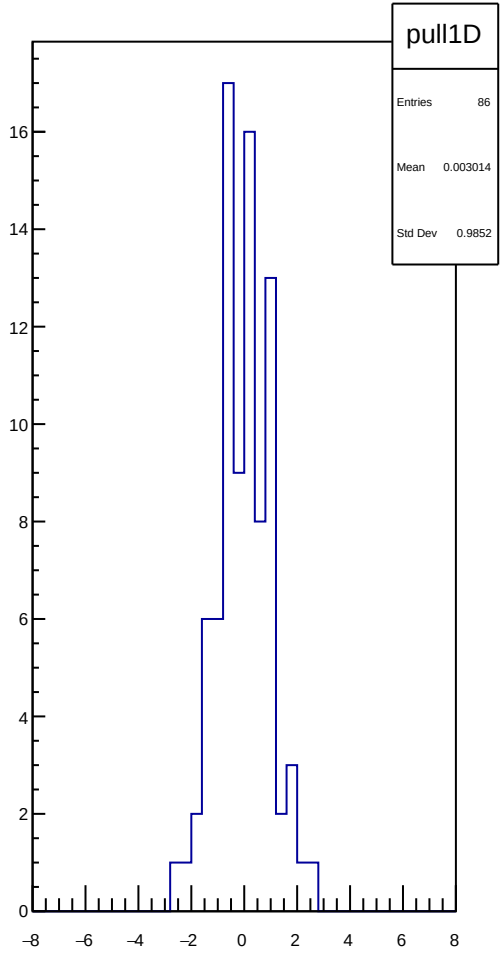

cor_asym_sam7_rms vs run
χ² / ndf 1246 / 85
p0 61.22 ± 0.04759
68
66
64
62
60
58
56

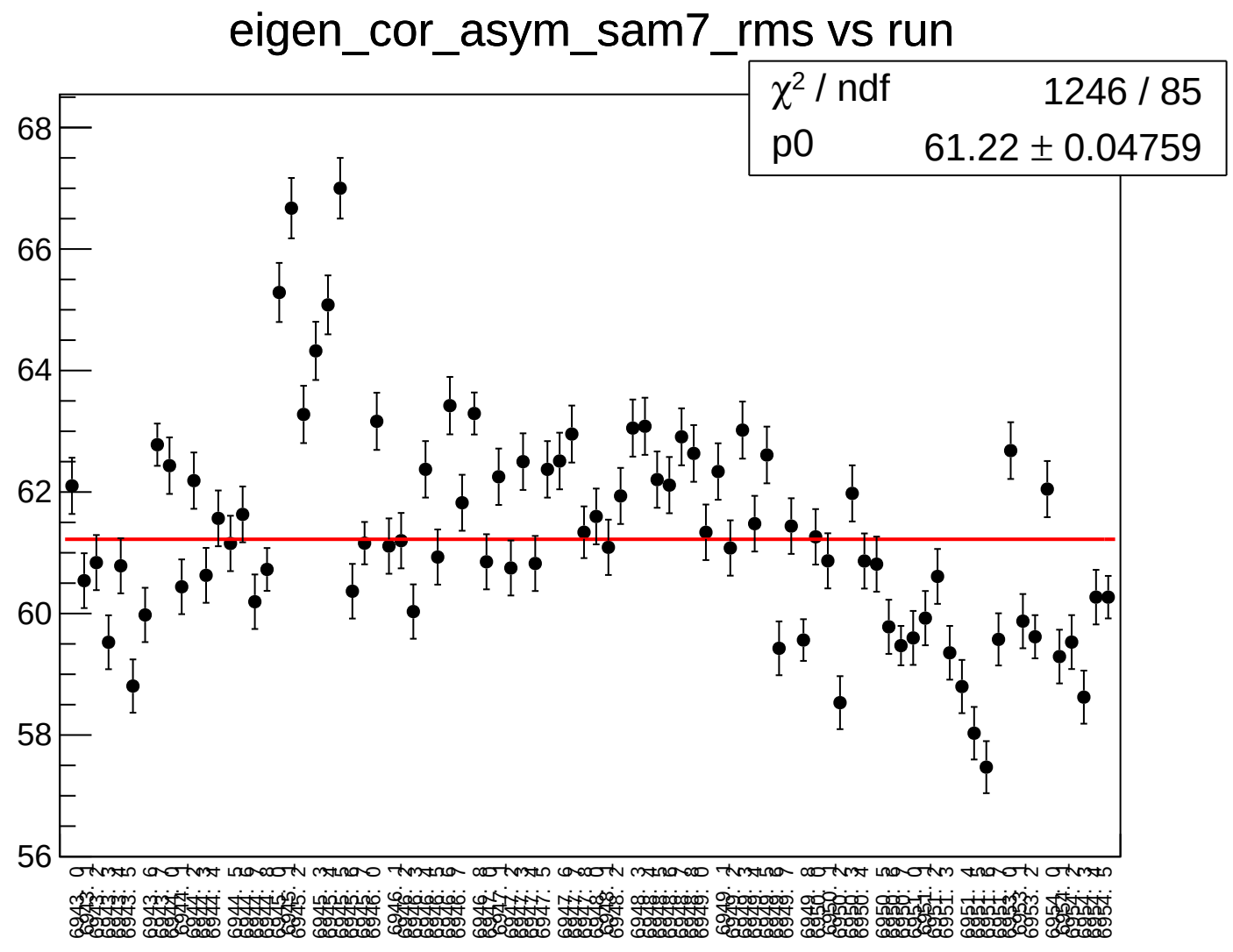

asym_sam7_cor_correction_mean vs run
χ² / ndf 83.45 / 85
p0 −1921 ± 525.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 11.45
Std Dev 0
2
1
0
−1
−2

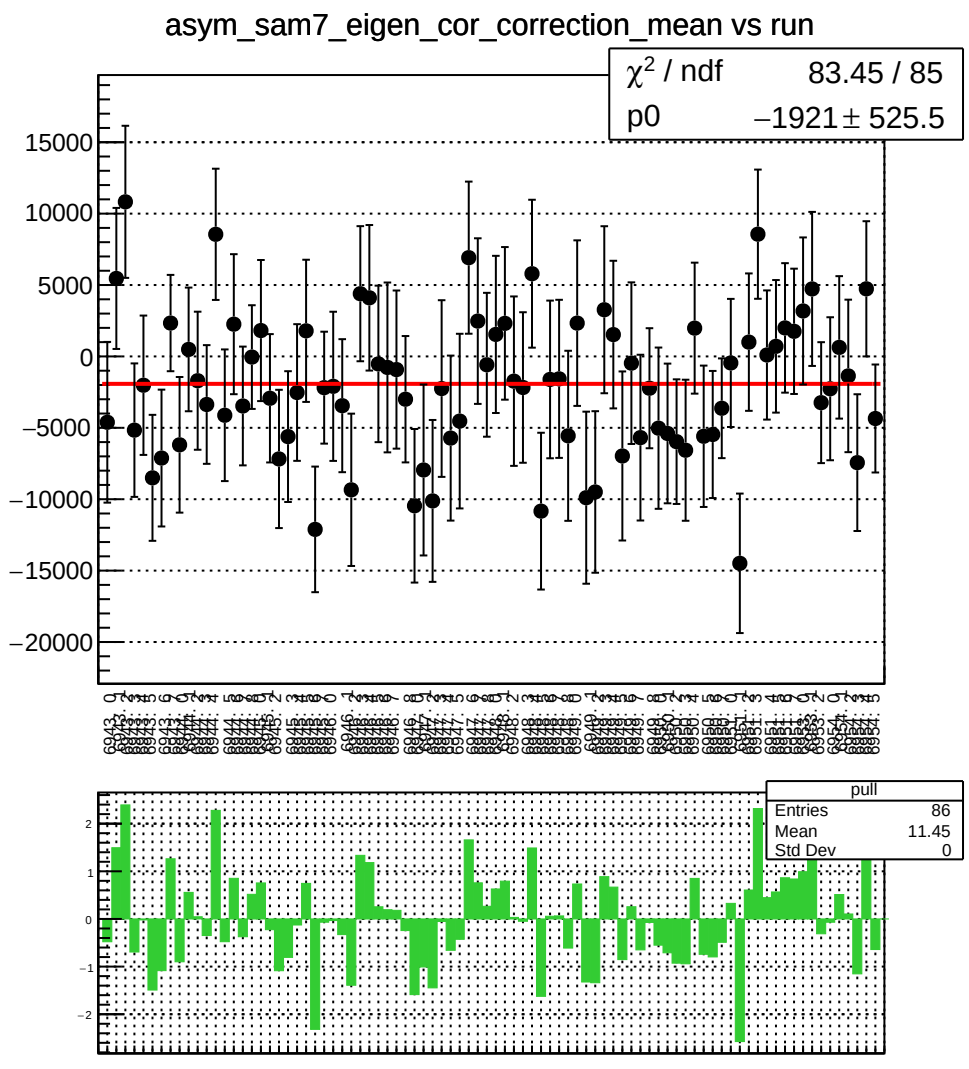

pull1D
Entries 86
Mean −0.008048
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

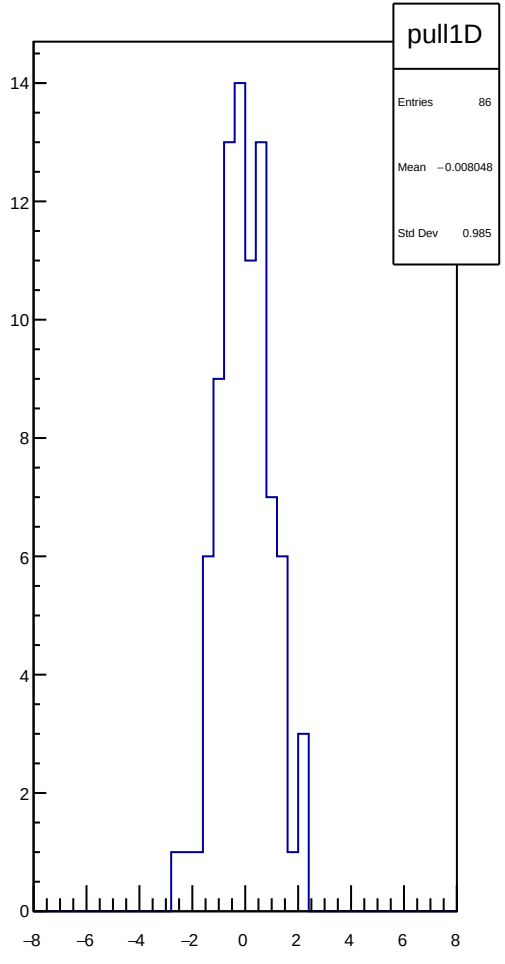

asym_sam7_cor_correction_rms vs run
χ² / ndf 1.632e+04 / 85
p0 475.8 ± 0.3716
600
550
500
450
400

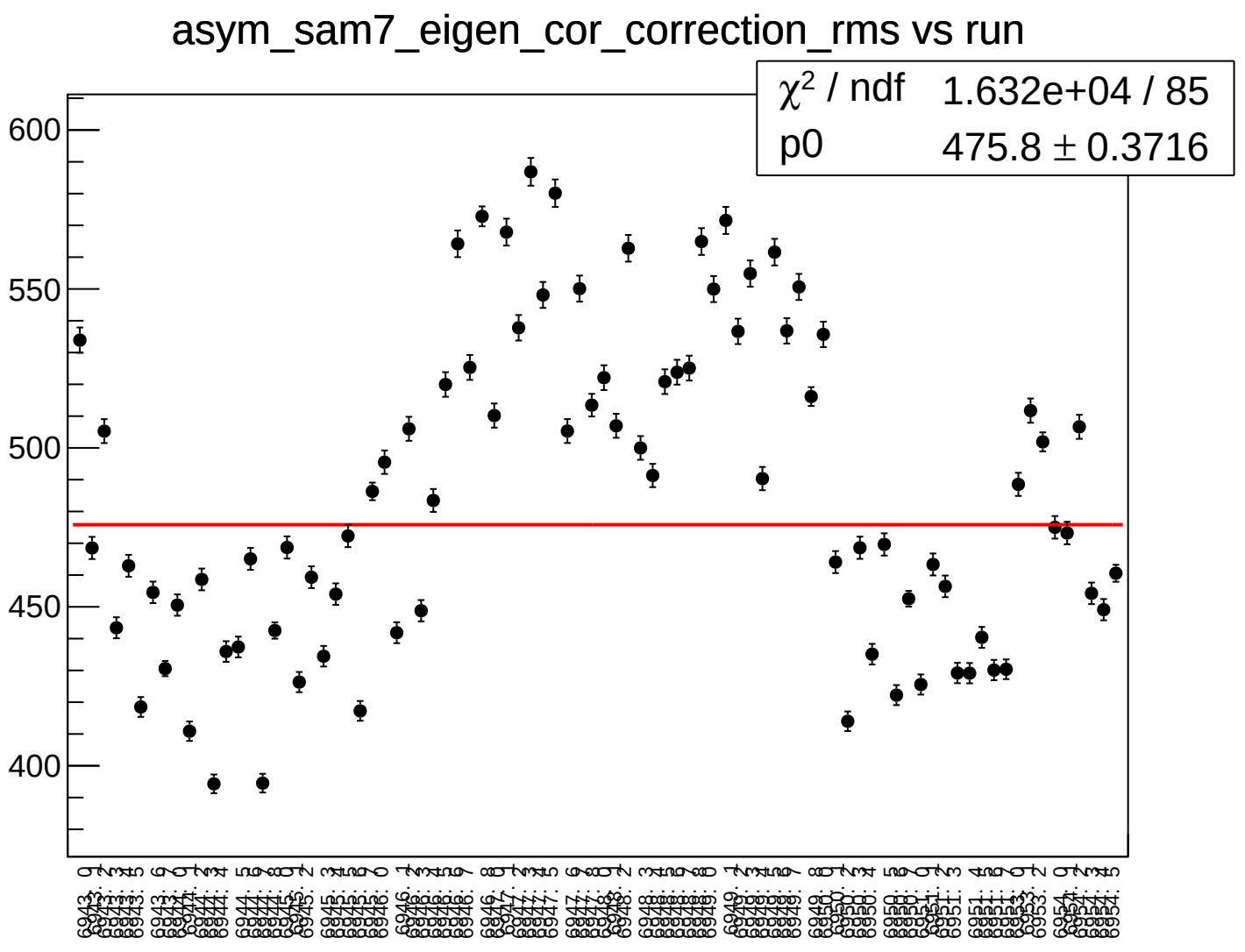

eigen_cor_asym_sam7_mean vs run
χ^2 / ndf 83.48 / 85
p0 −42.19 ± 67.3
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 155.4
Std Dev 74.4
2
1
0
−1
−2

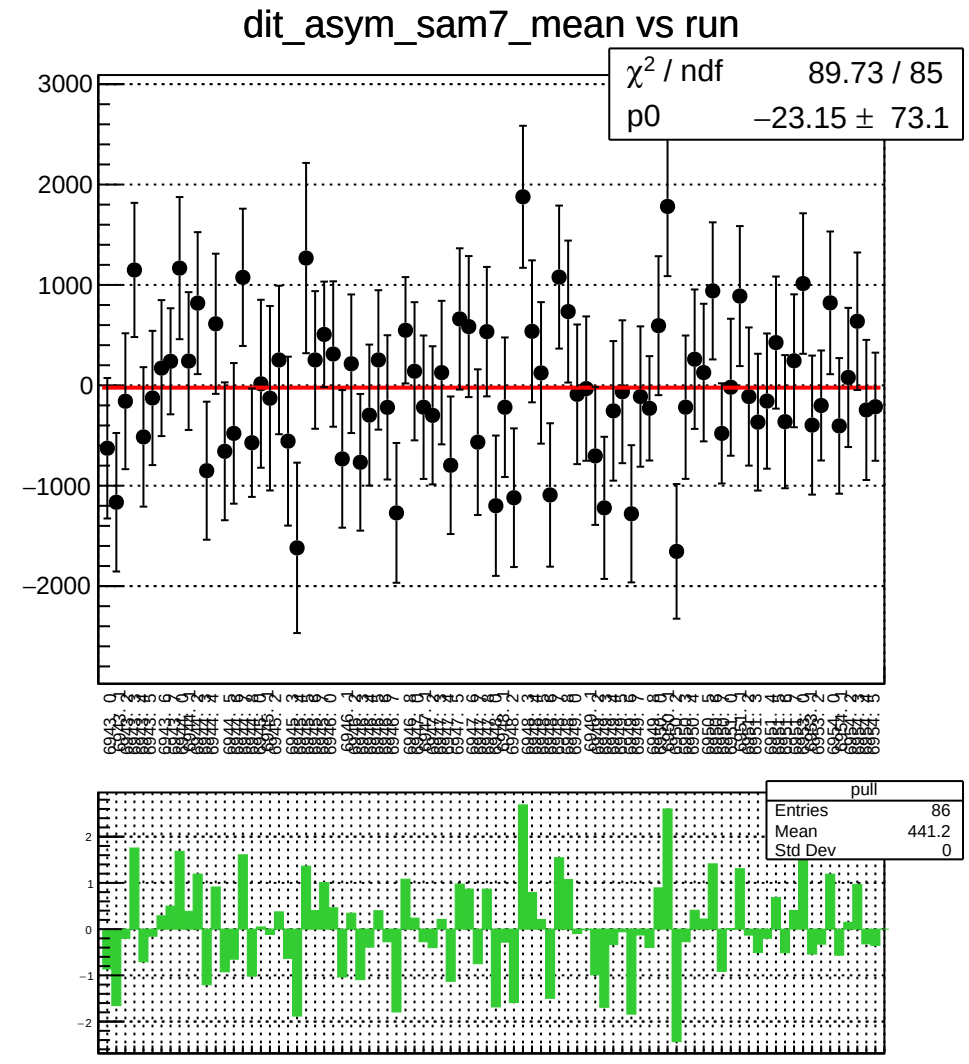

pull1D
Entries 86
Mean 0.003014
Std Dev 0.9852
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

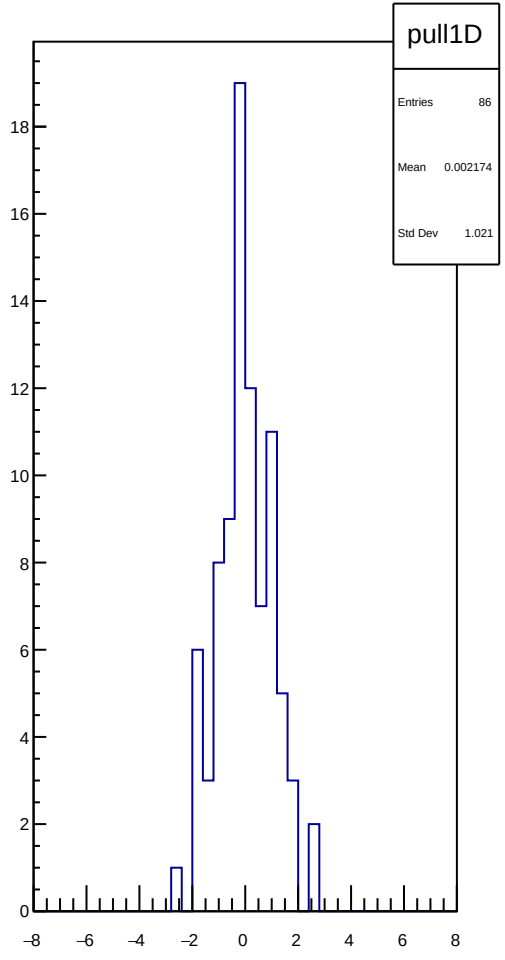

eigen_cor_asym_sam7_rms vs run
χ² / ndf 1246 / 85
p0 61.22 ± 0.04759
68
66
64
62
60
58
56


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 83.45 / 85
p0 −1921 ± 525.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 11.45
Std Dev 0
2
1
0
−1
−2

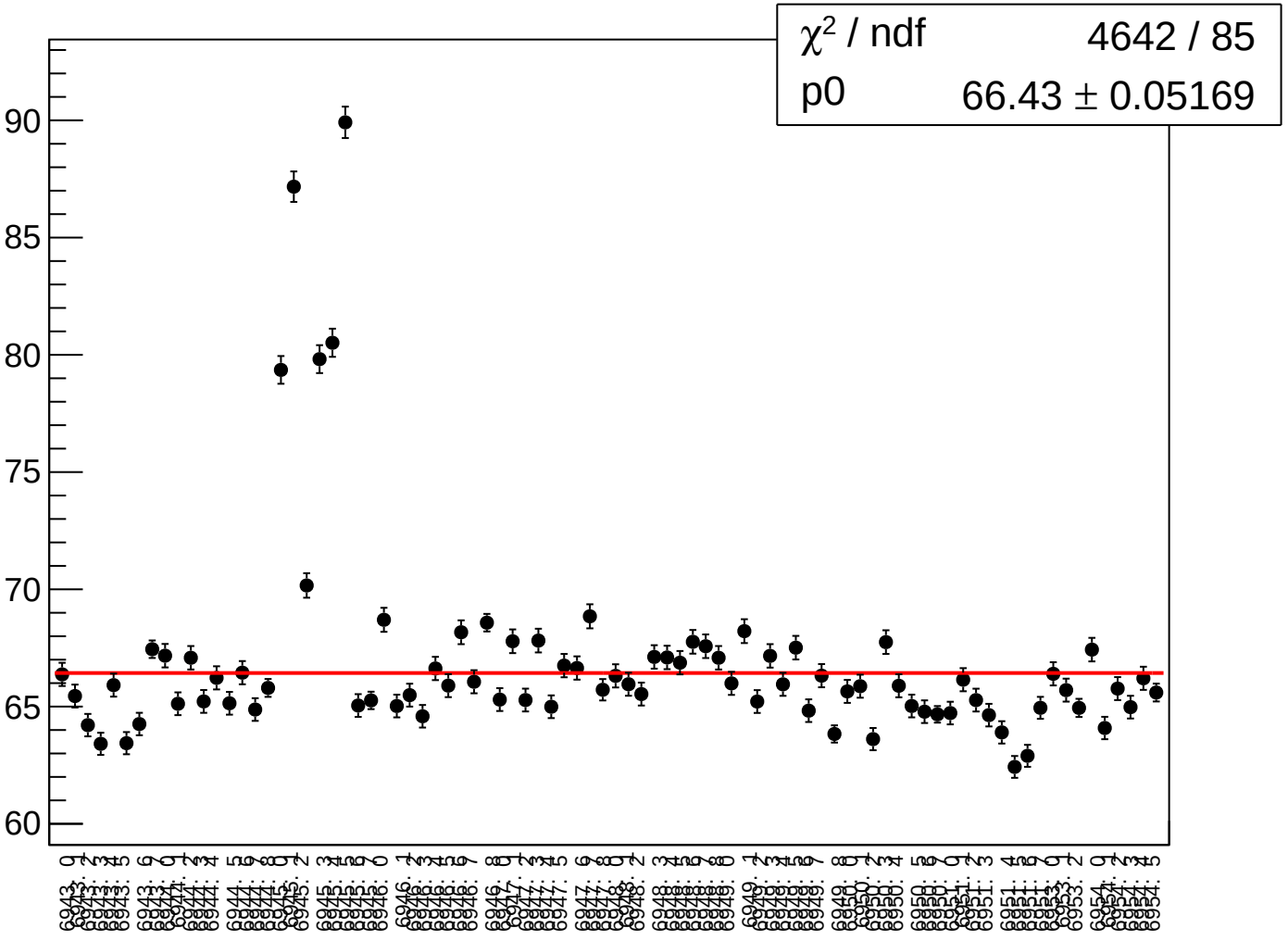

pull1D
Entries 86
Mean −0.008048
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

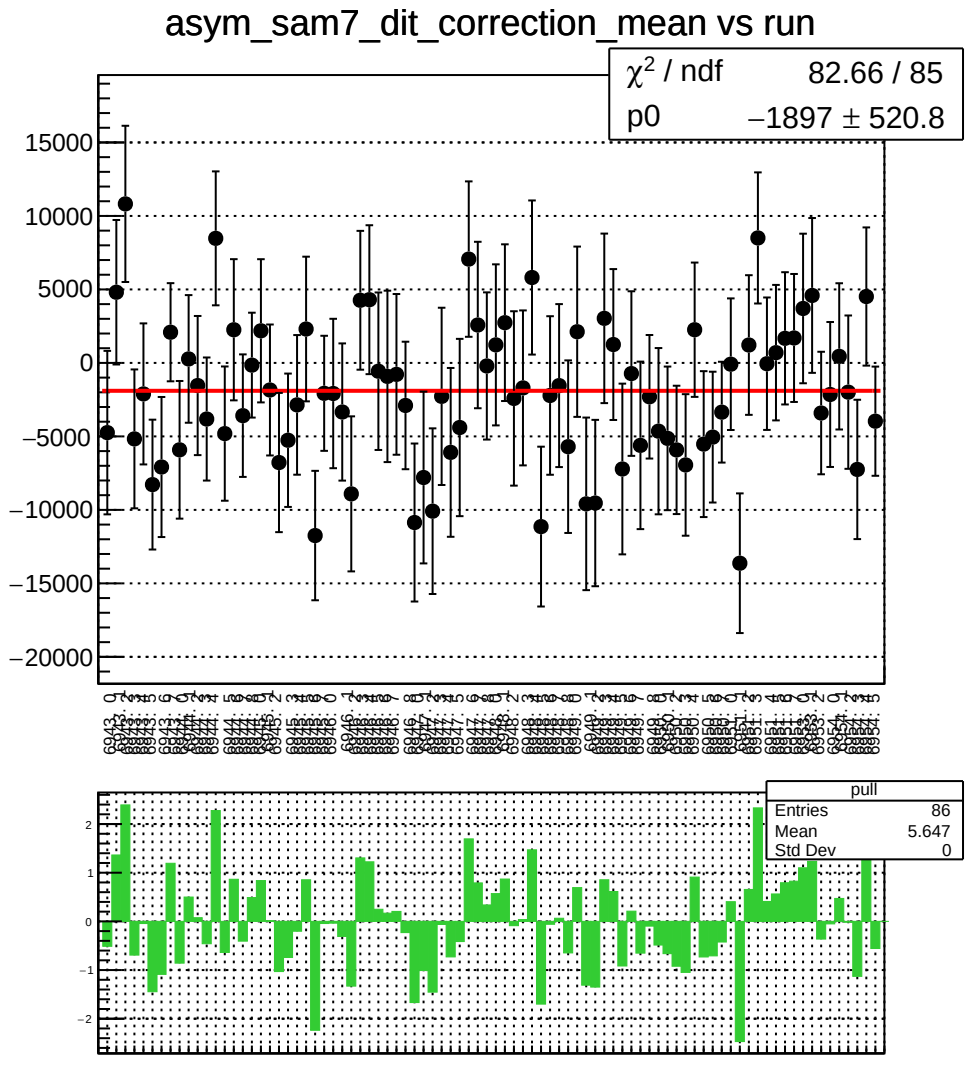

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 1.632e+04 / 85
p0 475.8 ± 0.3716
600
550
500
450
400

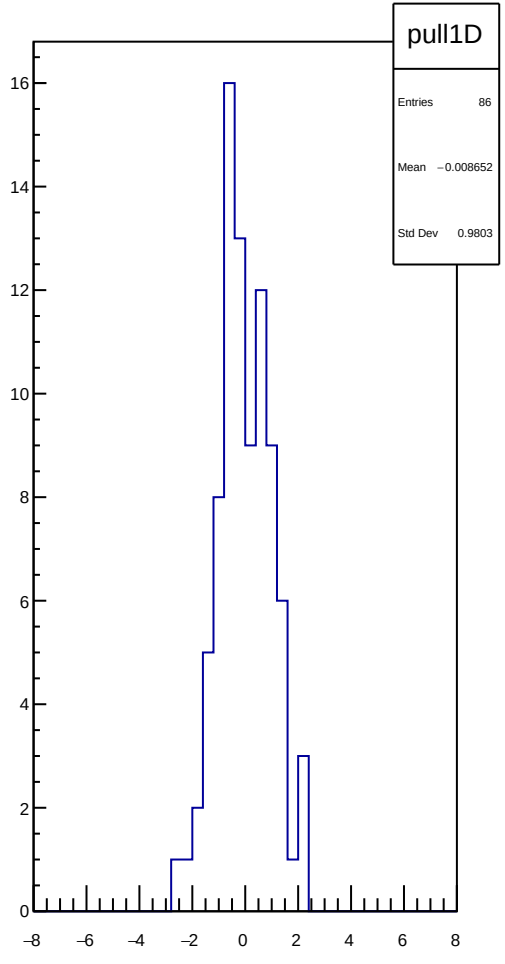

dit_asym_sam7_mean vs run
χ² / ndf 89.73 / 85
p0 −23.15 ± 73.1
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 441.2
Std Dev 0
2
1
0
−1
−2

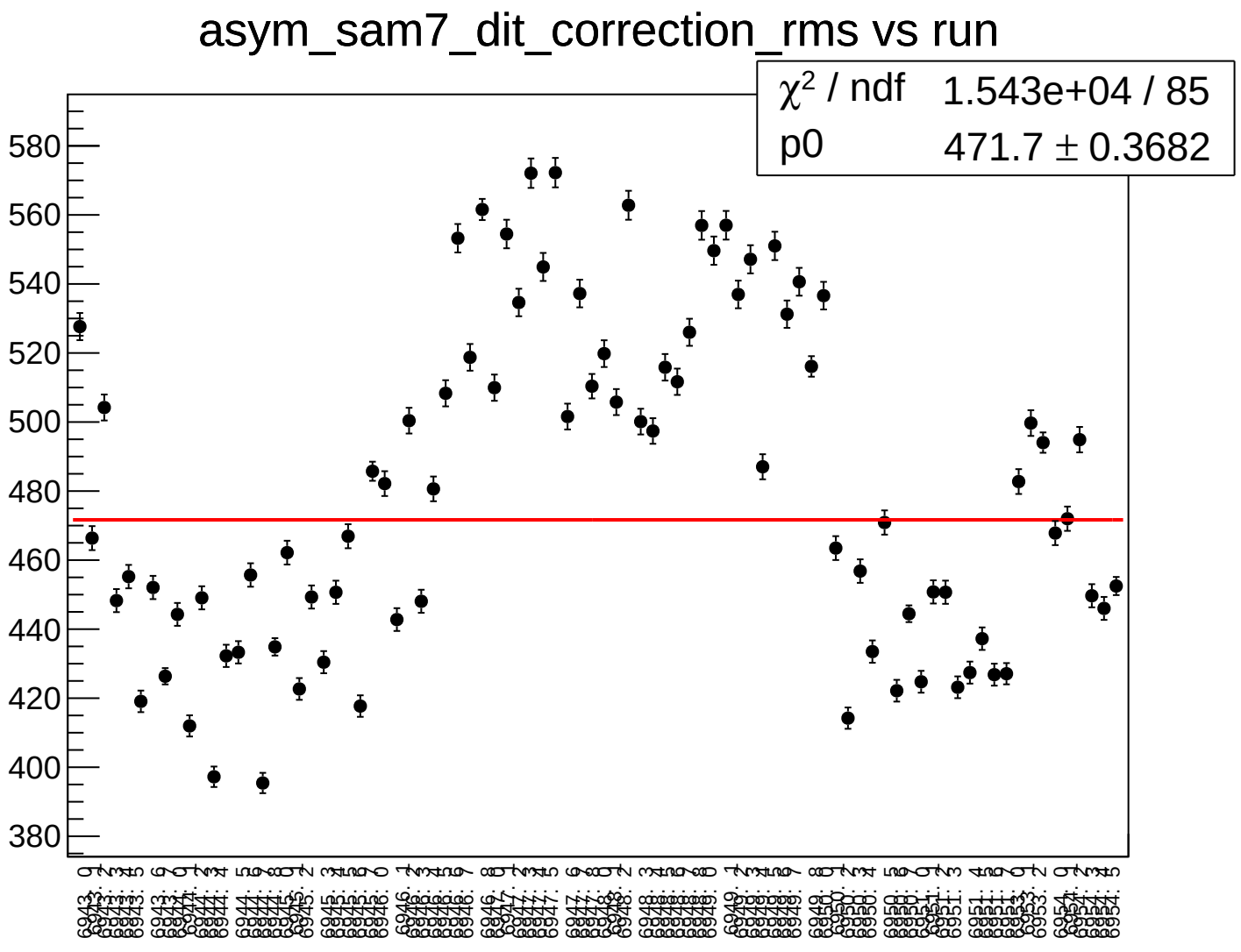

pull1D
Entries 86
Mean 0.002174
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

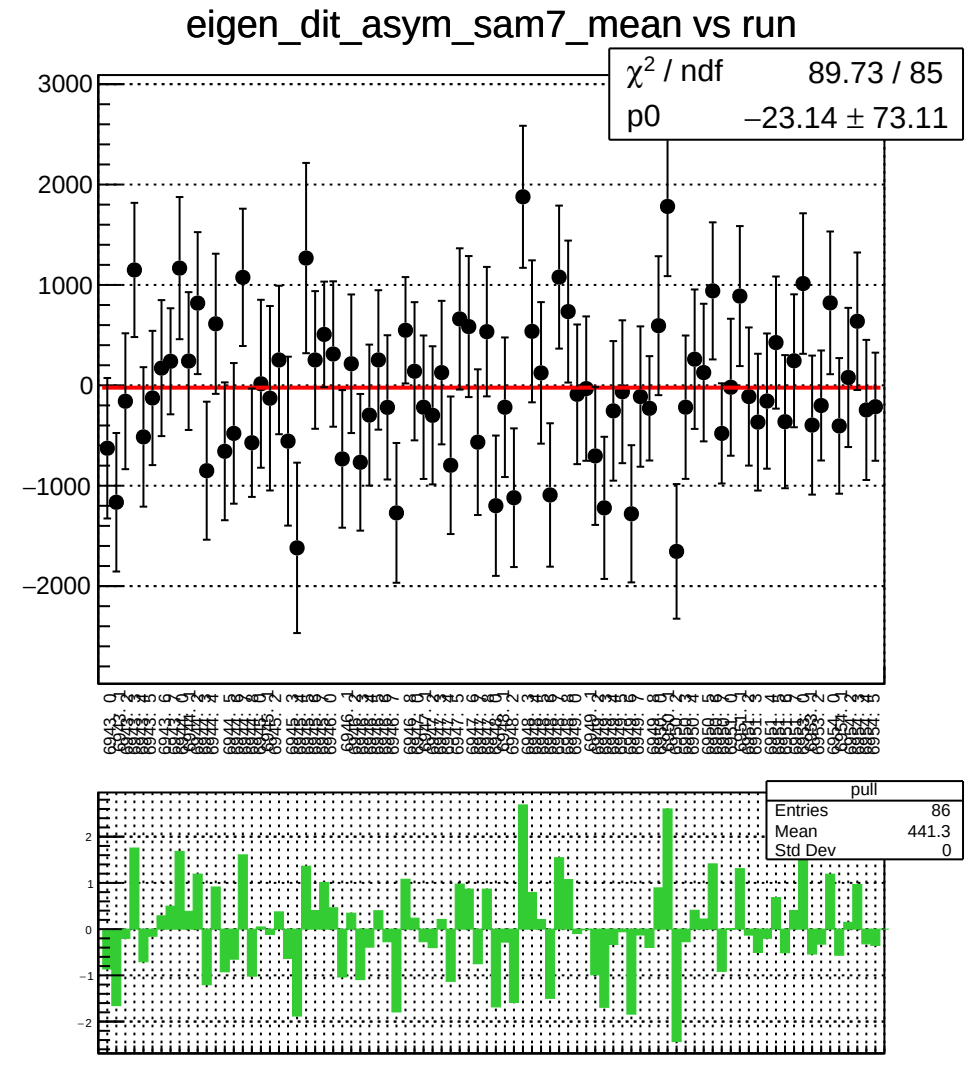
dit_asym_sam7_rms vs run

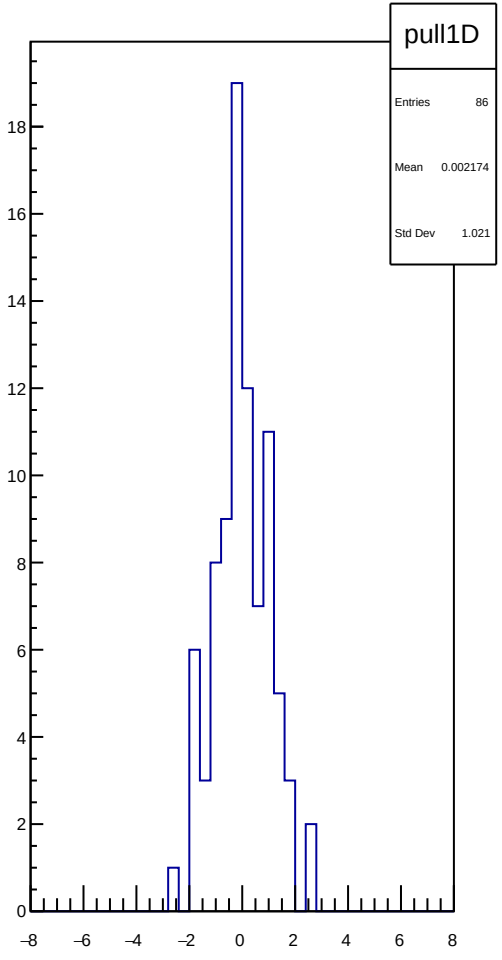


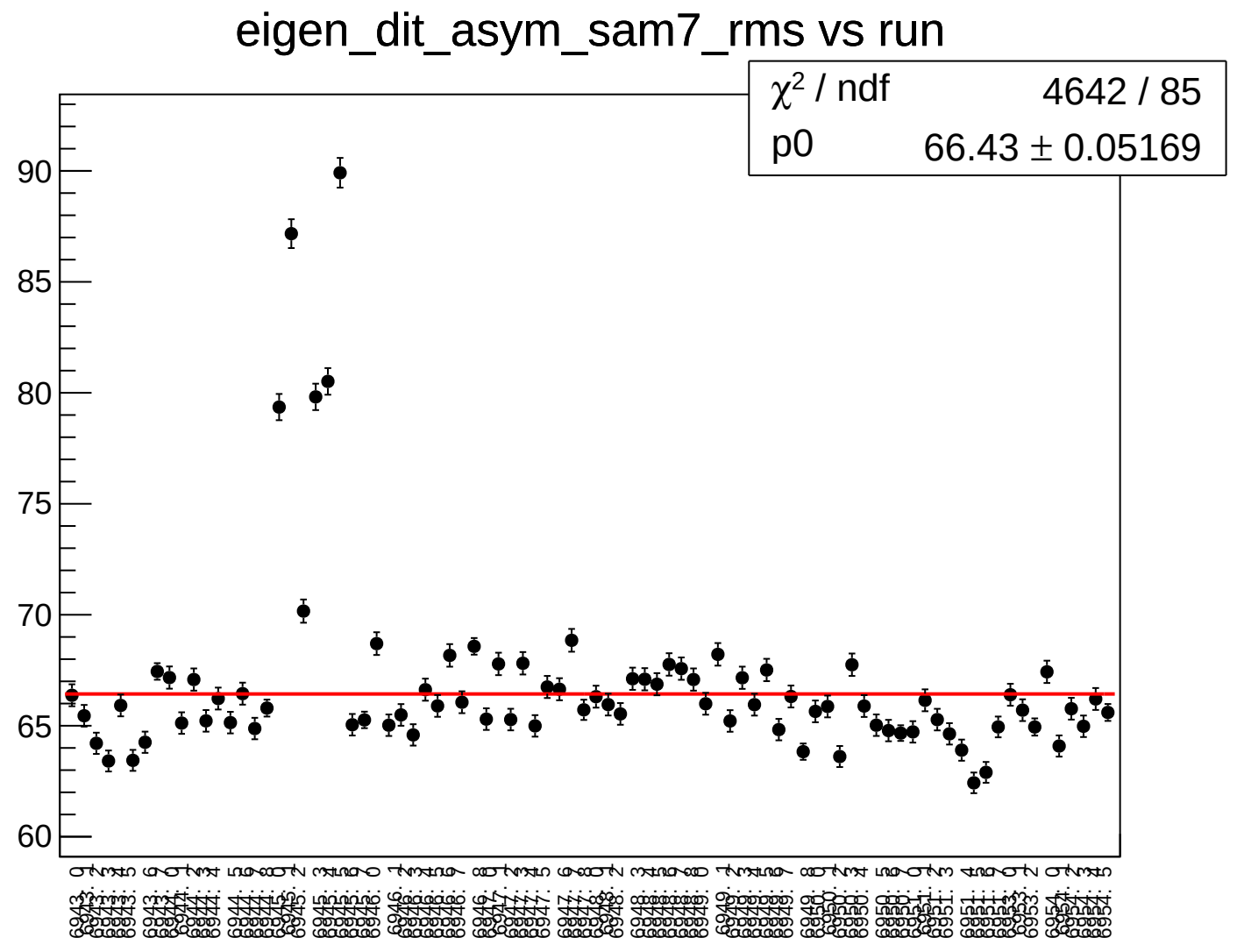

asym_sam7_dit_correction_mean vs run
χ² / ndf 82.66 / 85
p0 −1897 ± 520.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 5.647
Std Dev 0
2
1
0
−1
−2

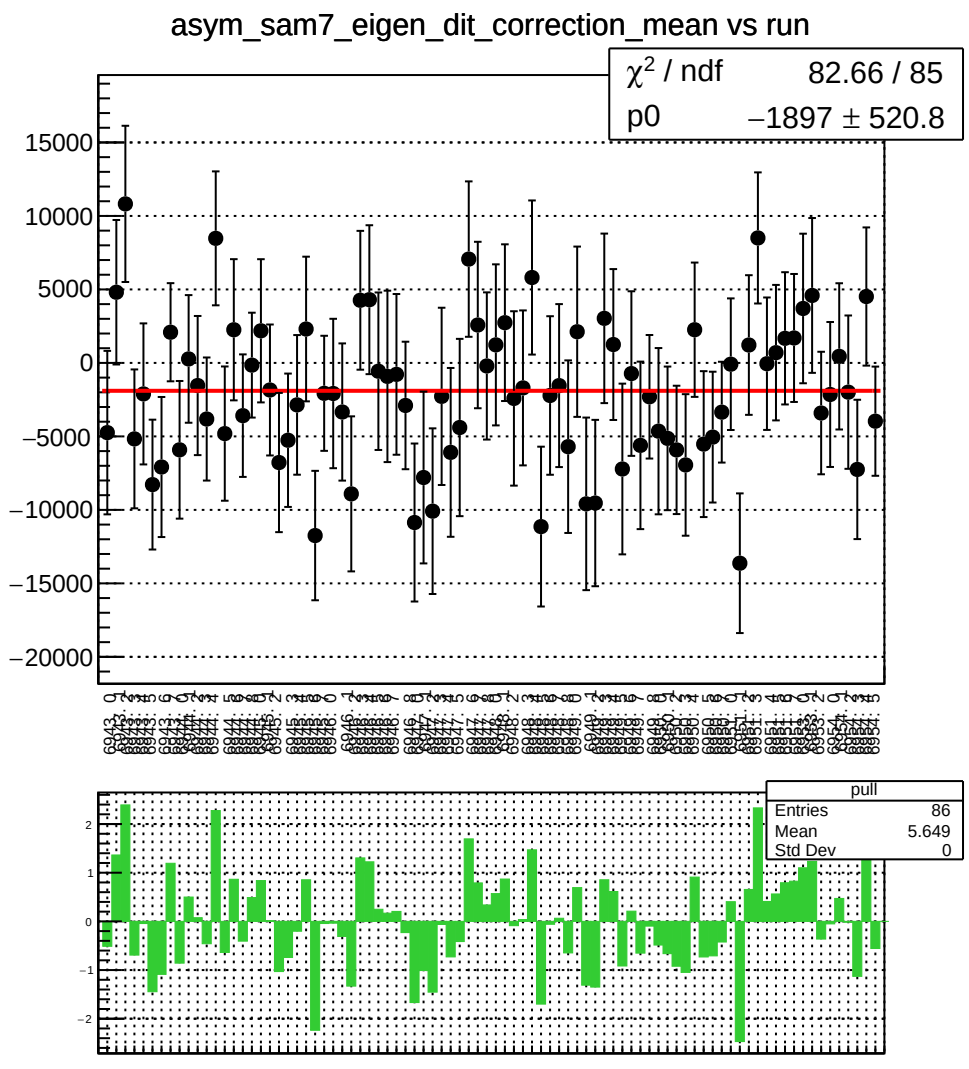

pull1D
Entries 86
Mean −0.008652
Std Dev 0.9803
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

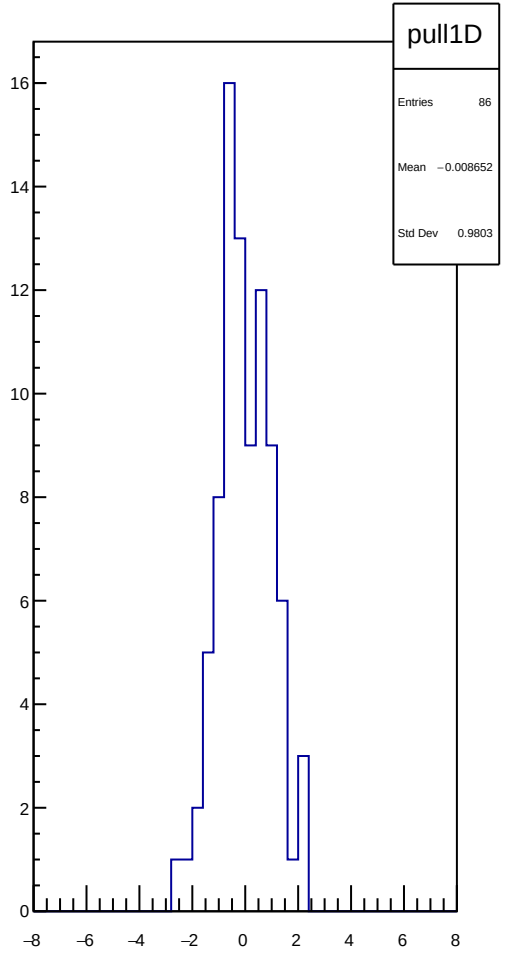

asym_sam7_dit_correction_rms vs run
χ² / ndf 1.543e+04 / 85
p0 471.7 ± 0.3682
580
560
540
520
500
480
460
440
420
400
380

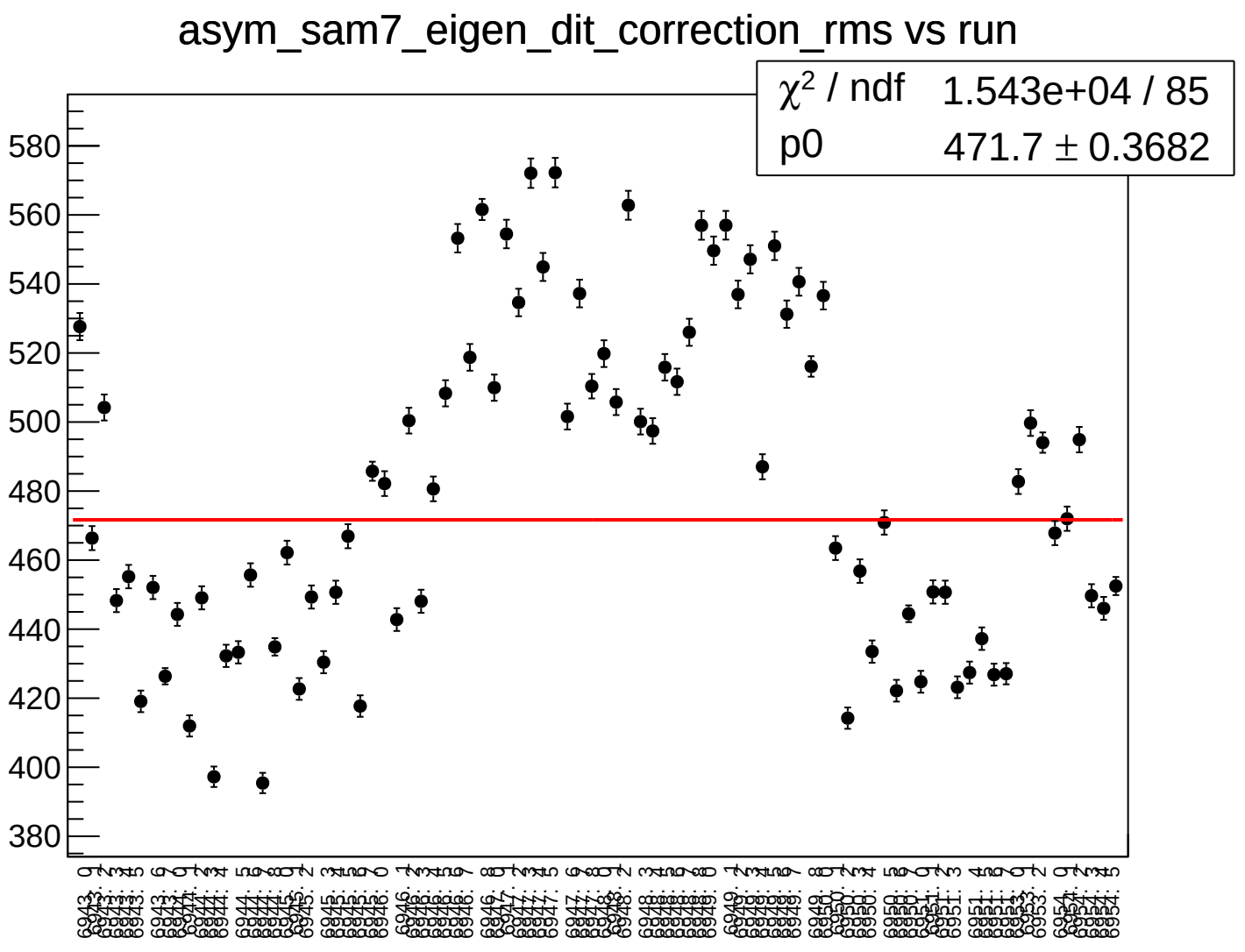

eigen_dit_asym_sam7_mean vs run
χ² / ndf 89.73 / 85
p0 −23.14 ± 73.11
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 441.3
Std Dev 0
2
1
0
−1
−2

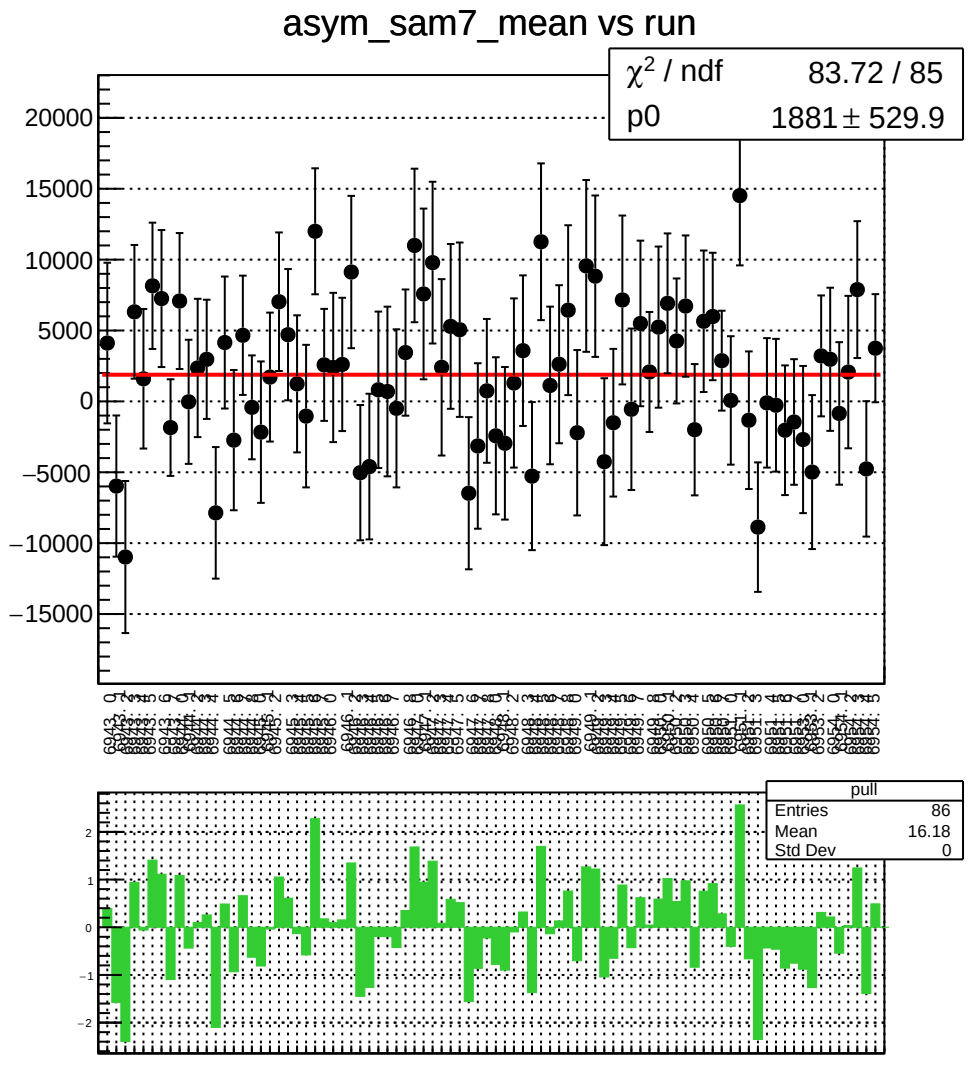

pull1D
Entries 86
Mean 0.002174
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

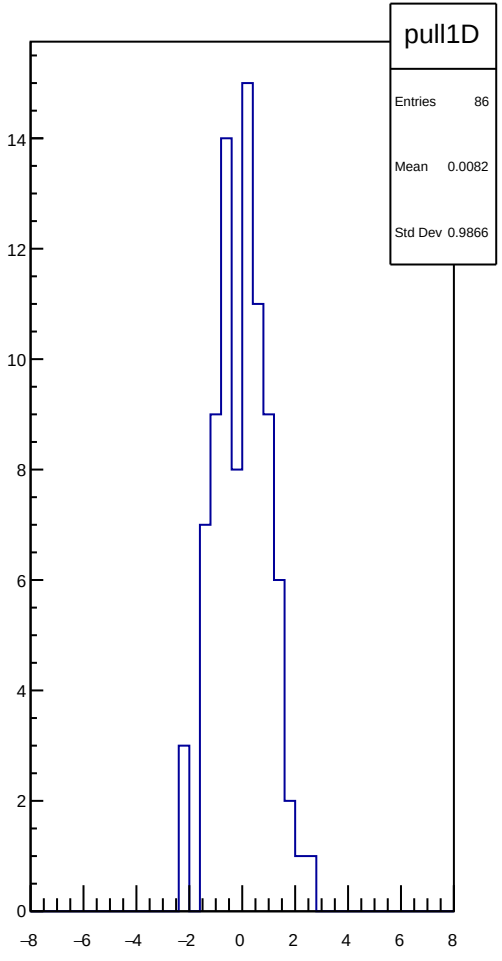

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 4642 / 85
p0 66.43 ± 0.05169
90
85
80
75
70
65
60

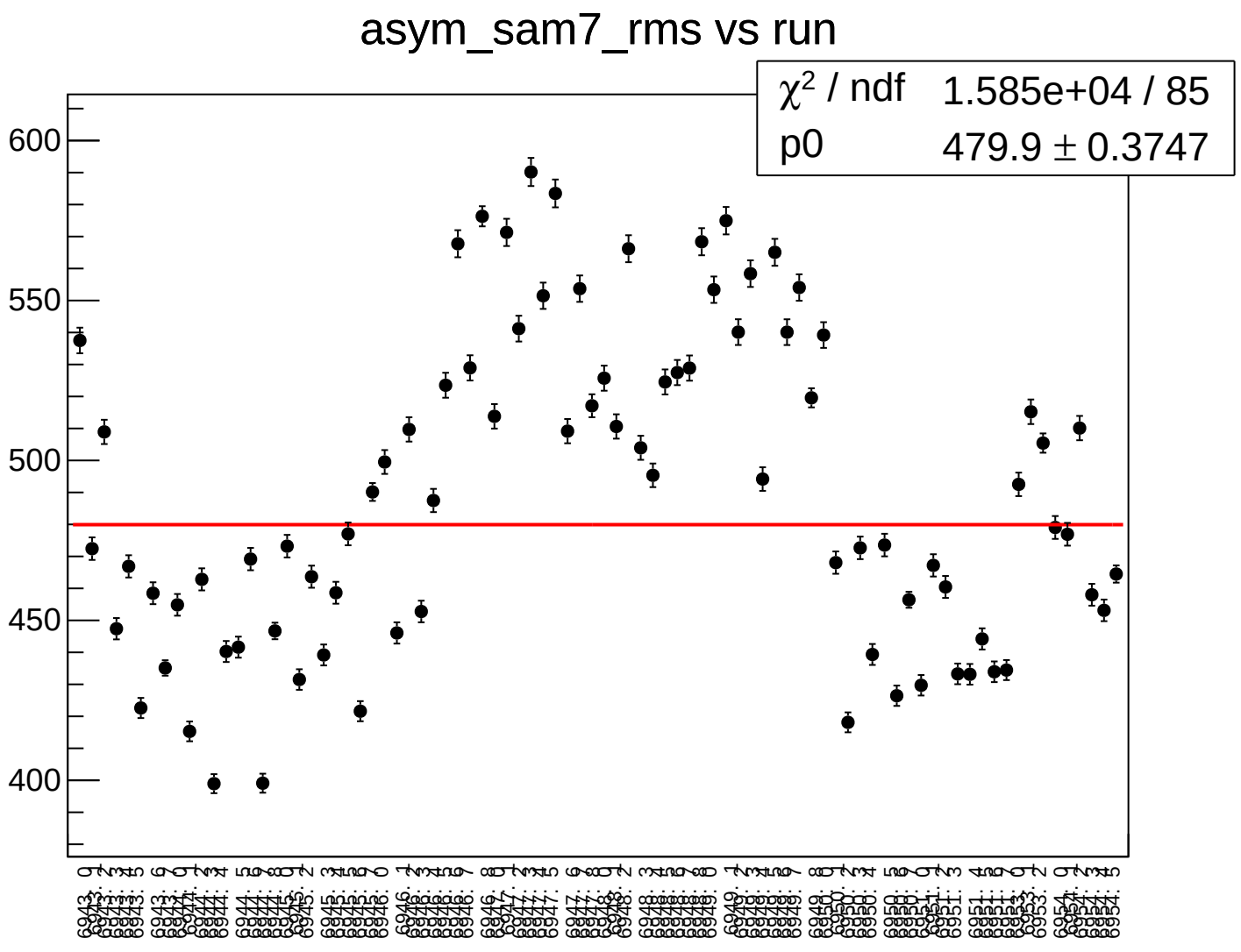

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 82.66 / 85
p0 −1897 ± 520.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 5.649
Std Dev 0
2
1
0
−1
−2

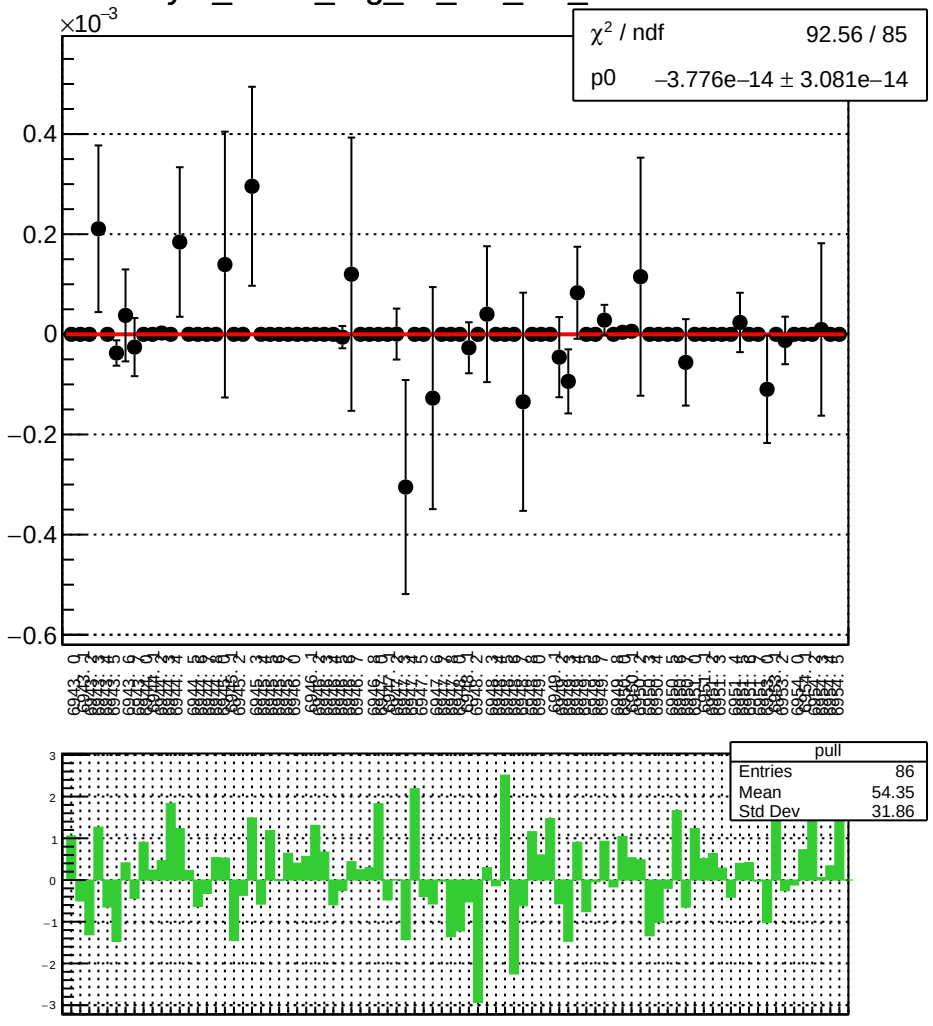

pull1D
Entries 86
Mean −0.008652
Std Dev 0.9803
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

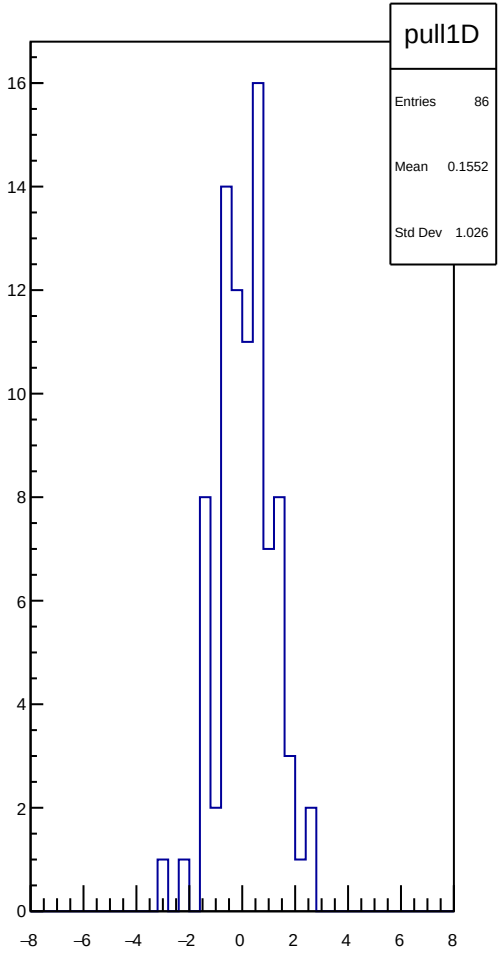

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 1.543e+04 / 85
p0 471.7 ± 0.3682
580
560
540
520
500
480
460
440
420
400
380

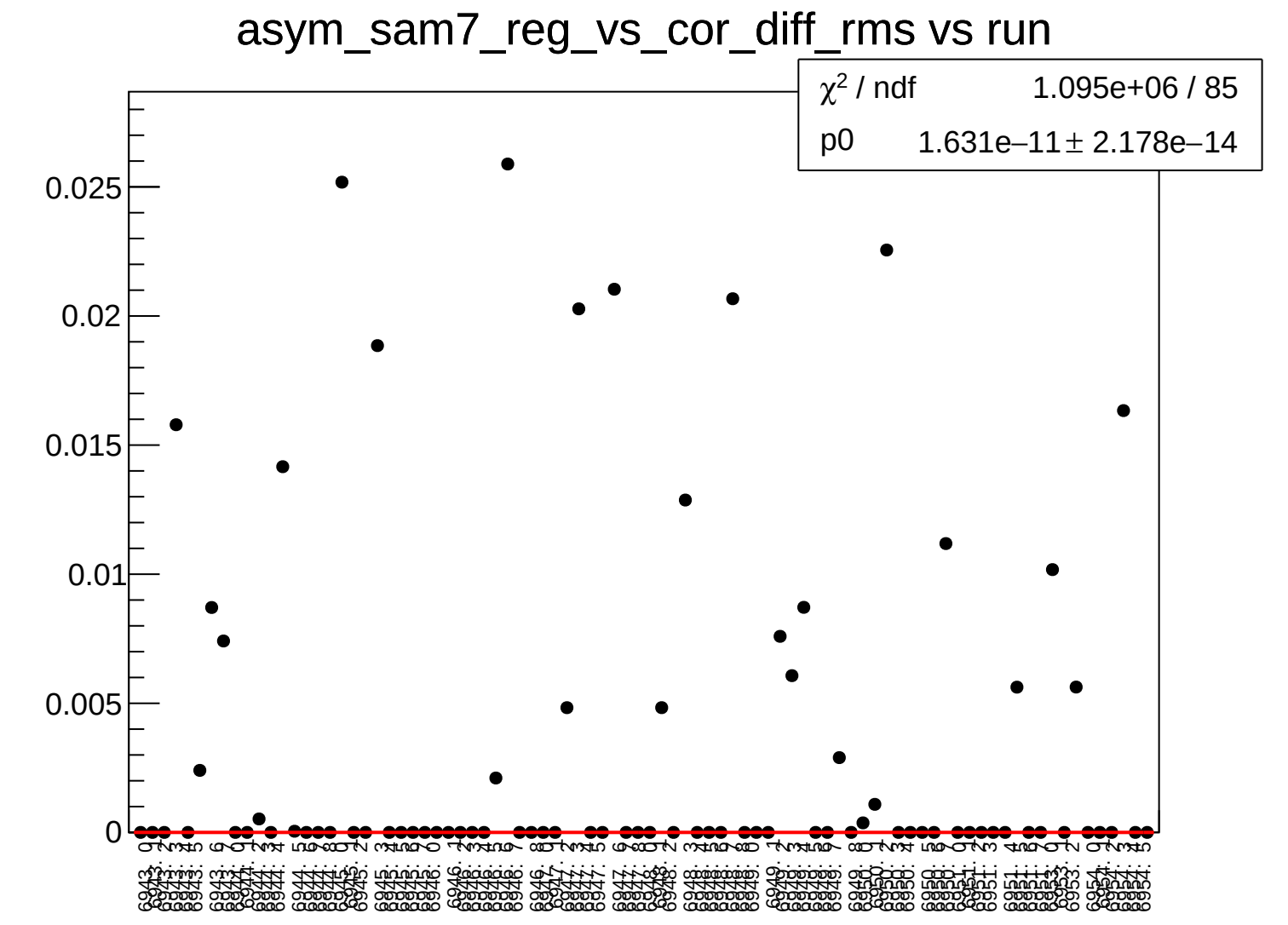

asym_sam7_mean vs run
χ² / ndf 83.72 / 85
p0 1881 ± 529.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 16.18
Std Dev 0
2
1
0
−1
−2

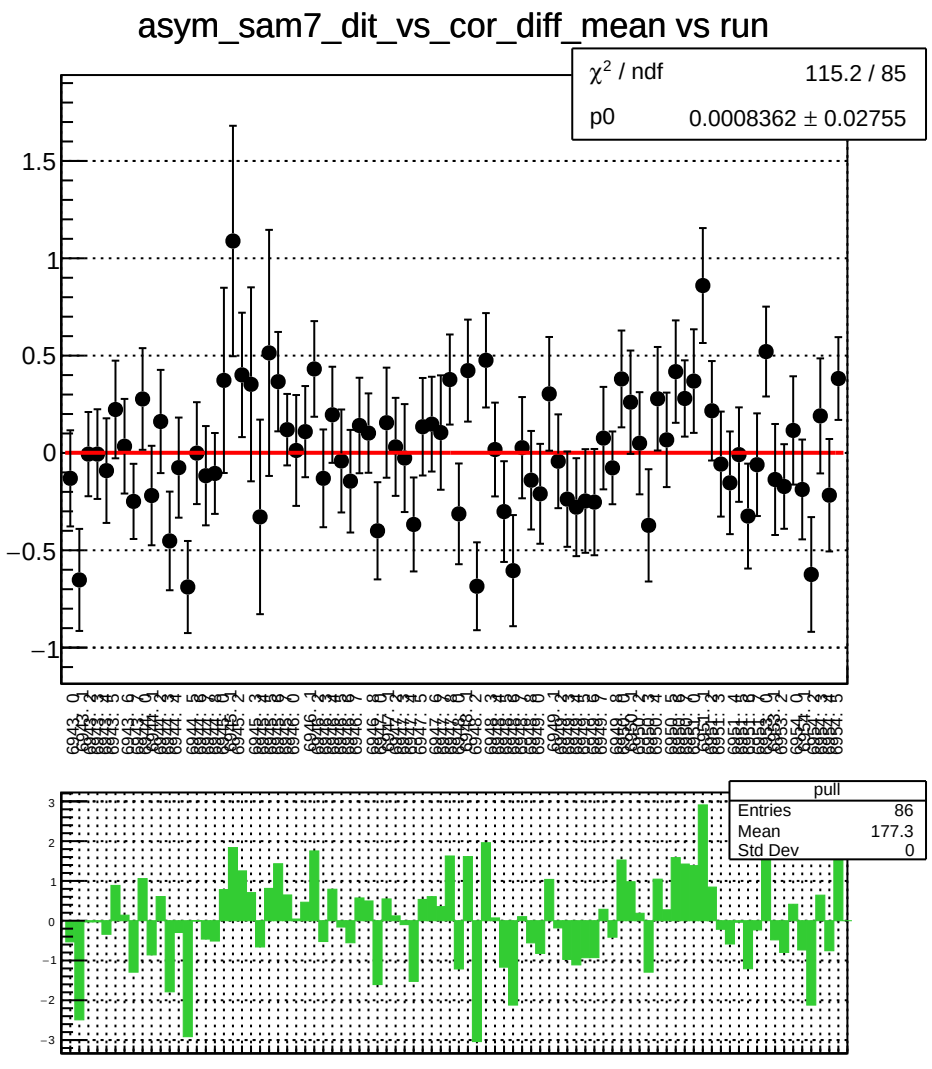

pull1D
Entries 86
Mean 0.0082
Std Dev 0.9866
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

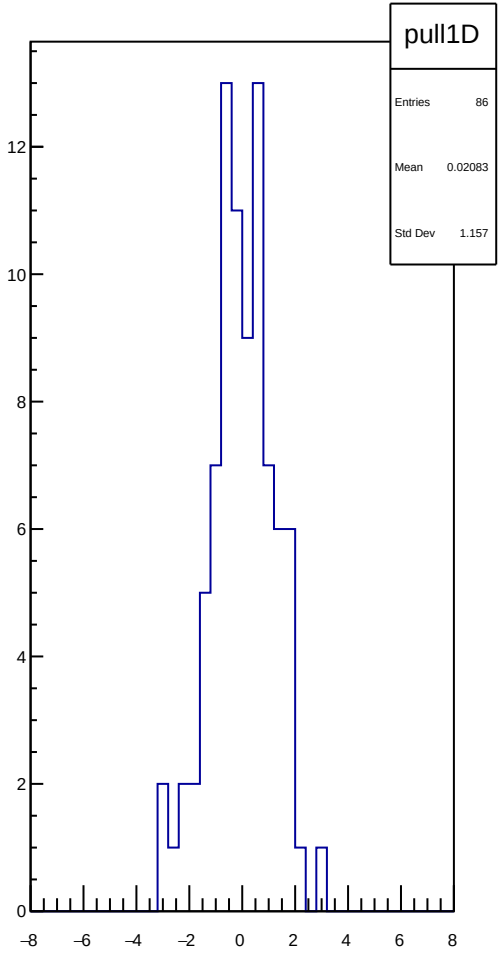

asym_sam7_rms vs run
χ² / ndf 1.585e+04 / 85
p0 479.9 ± 0.3747
600
550
500
450
400

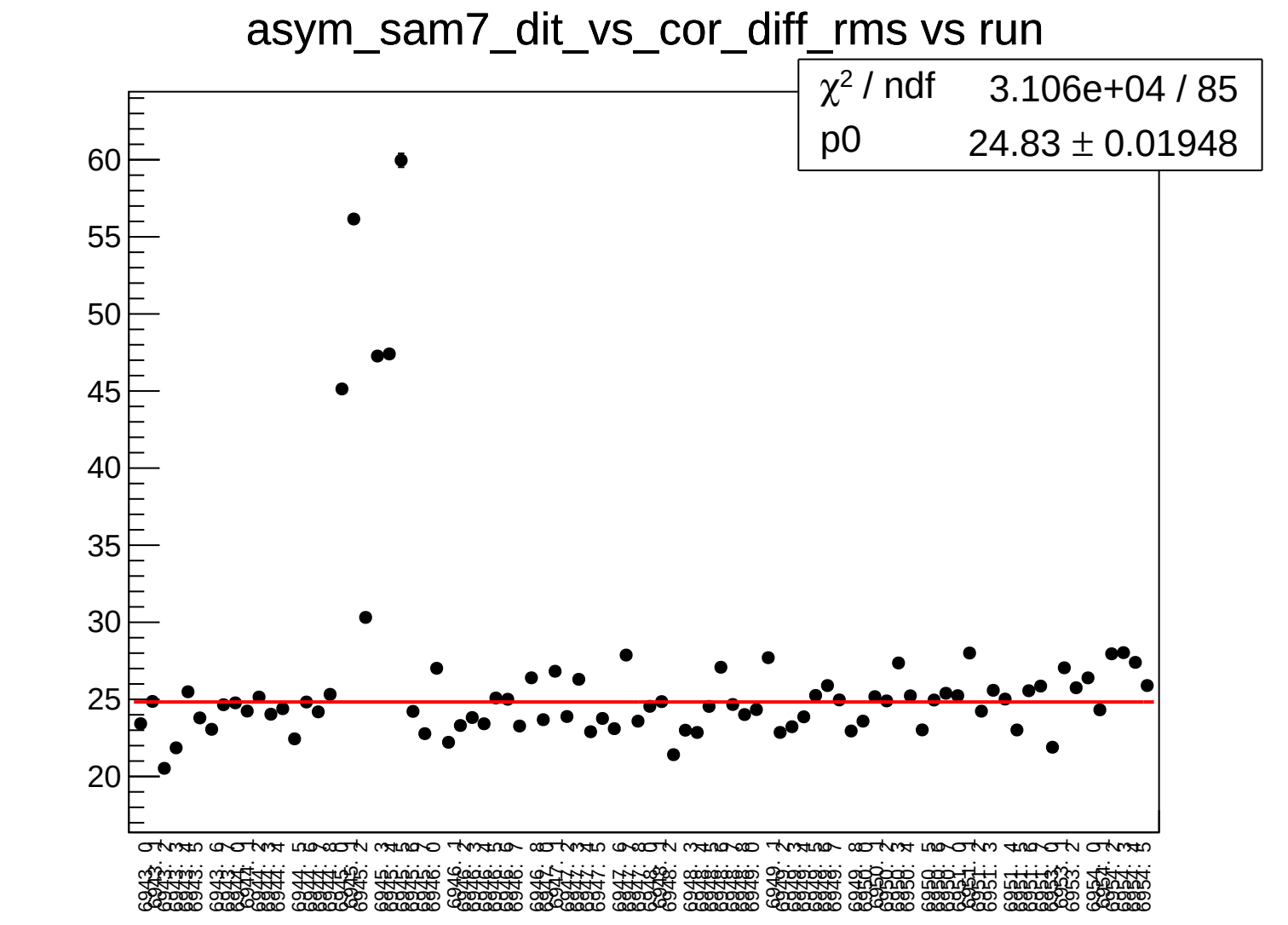

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 92.56 / 85
p0 −3.776e−14 ± 3.081e−14
pull
Entries 86
Mean 54.35
Std Dev 31.86

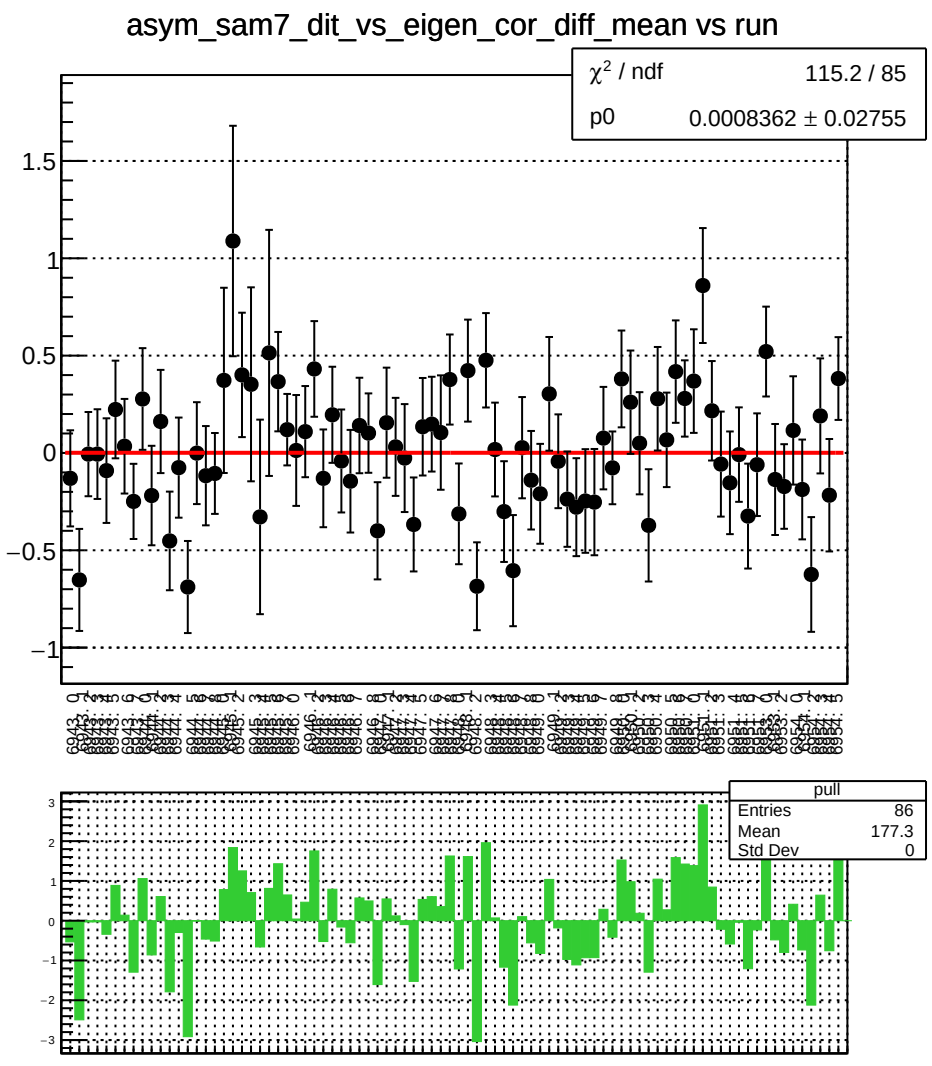

pull1D
Entries 86
Mean 0.1552
Std Dev 1.026

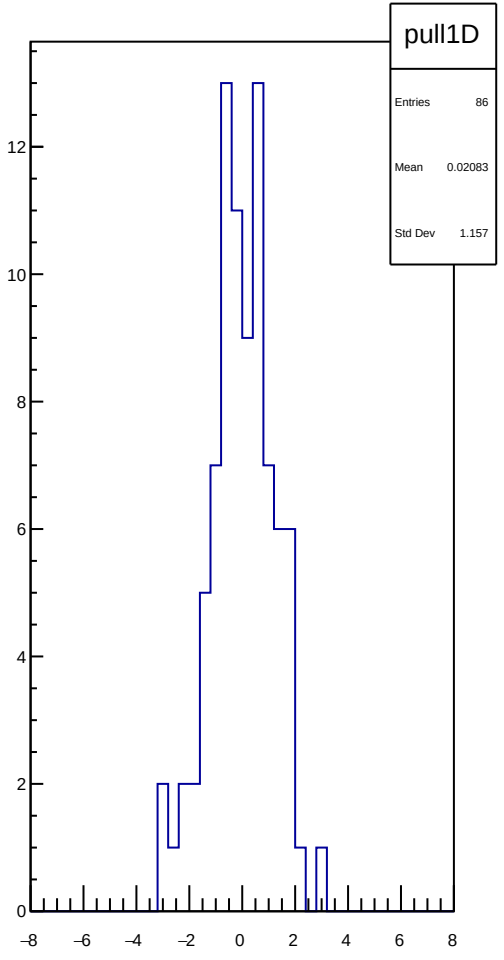

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 1.095e+06 / 85
p0 1.631e−11 ± 2.178e−14
0.025
0.02
0.015
0.01
0.005
0

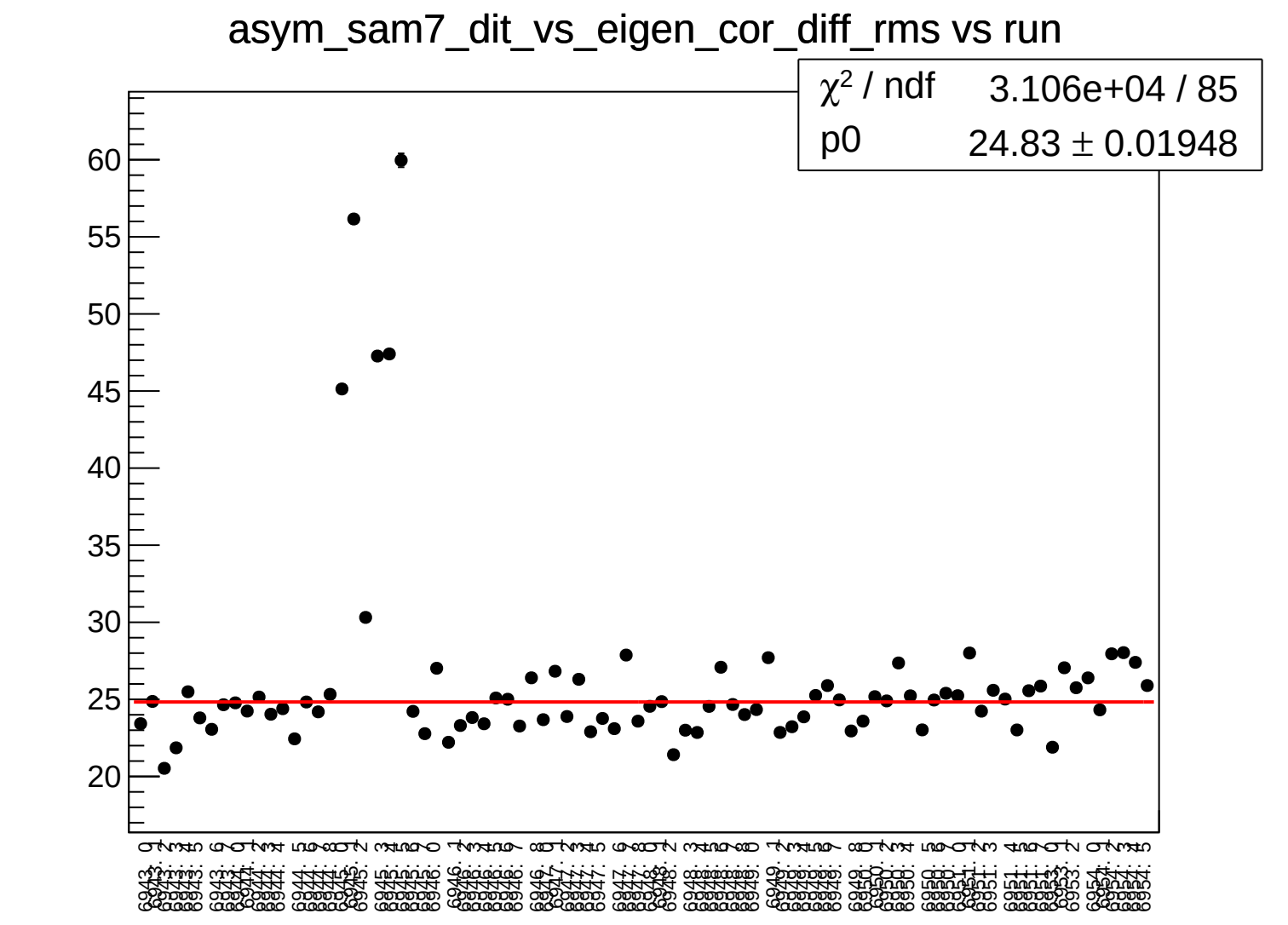

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 115.2 / 85
p0 0.0008362 ± 0.02755
pull
Entries 86
Mean 177.3
Std Dev 0

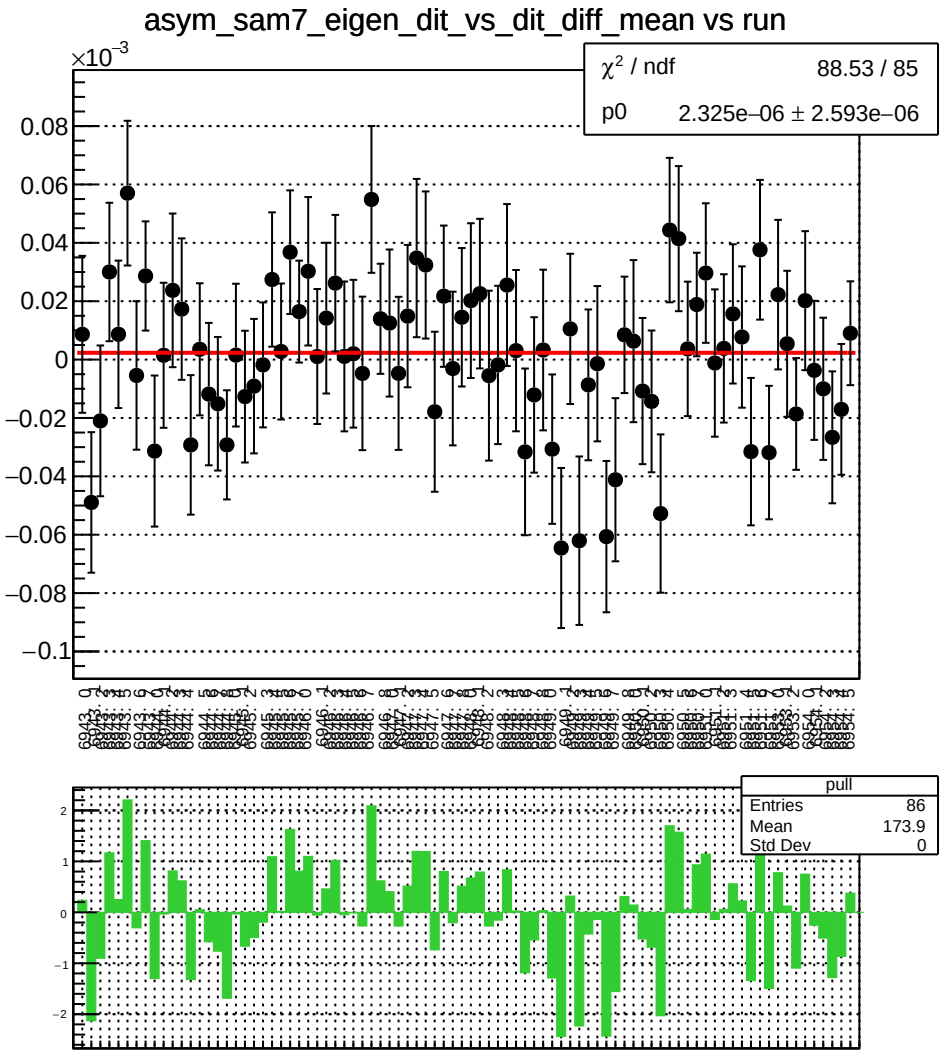

pull1D
Entries 86
Mean 0.02083
Std Dev 1.157

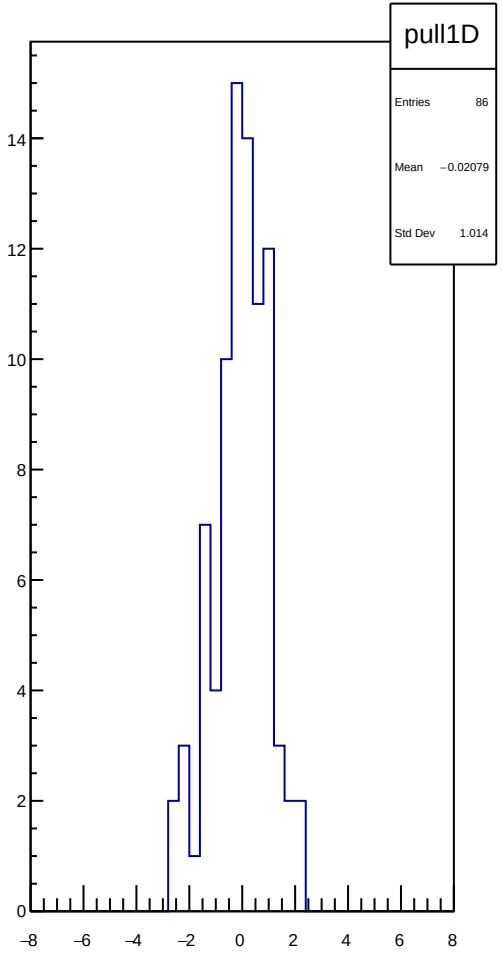

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 3.106e+04 / 85
p0 24.83 ± 0.01948
60
55
50
45
40
35
30
25
20

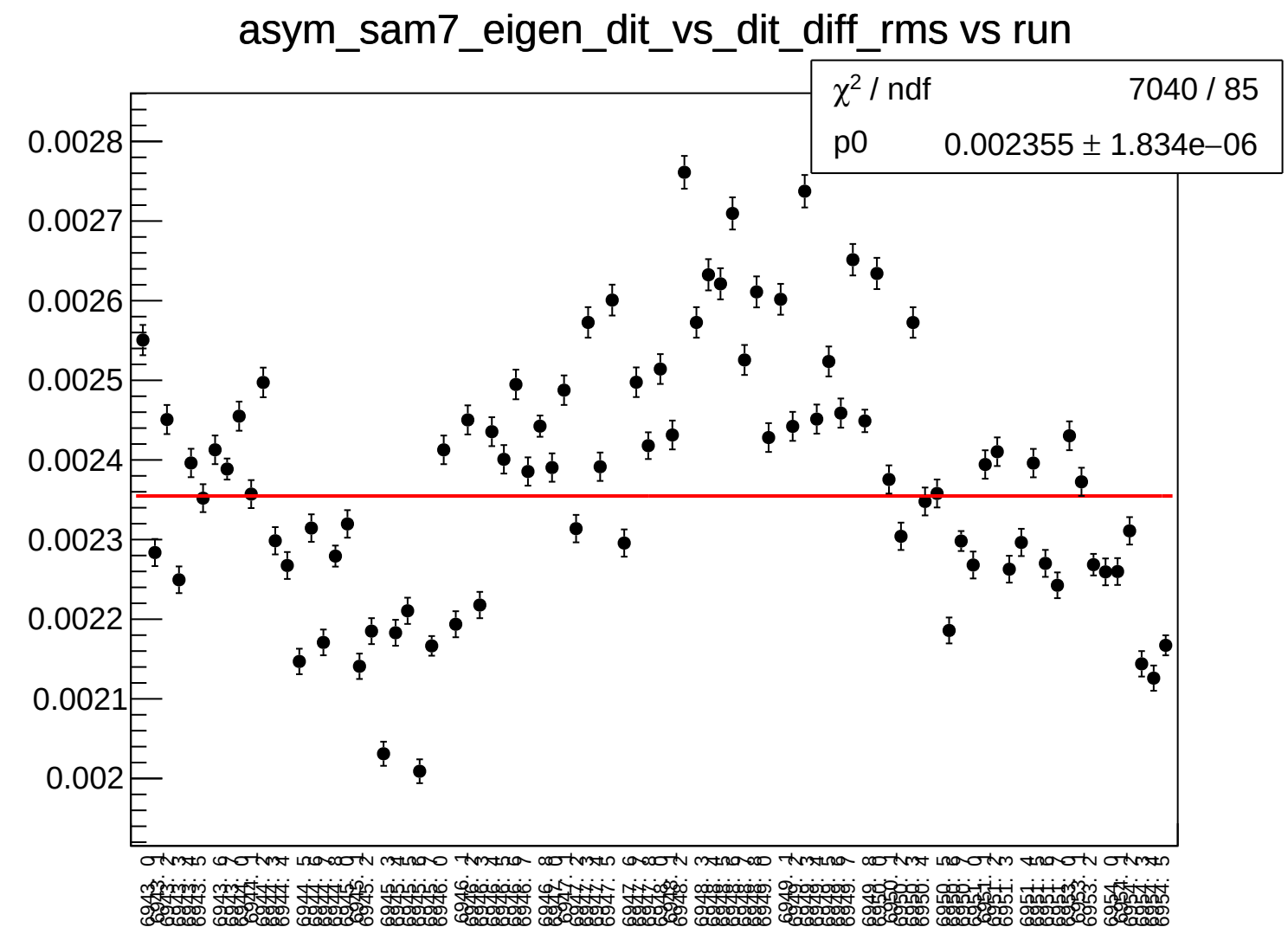

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.2 / 85
p0 0.0008362 ± 0.02755
pull
Entries 86
Mean 177.3
Std Dev 0

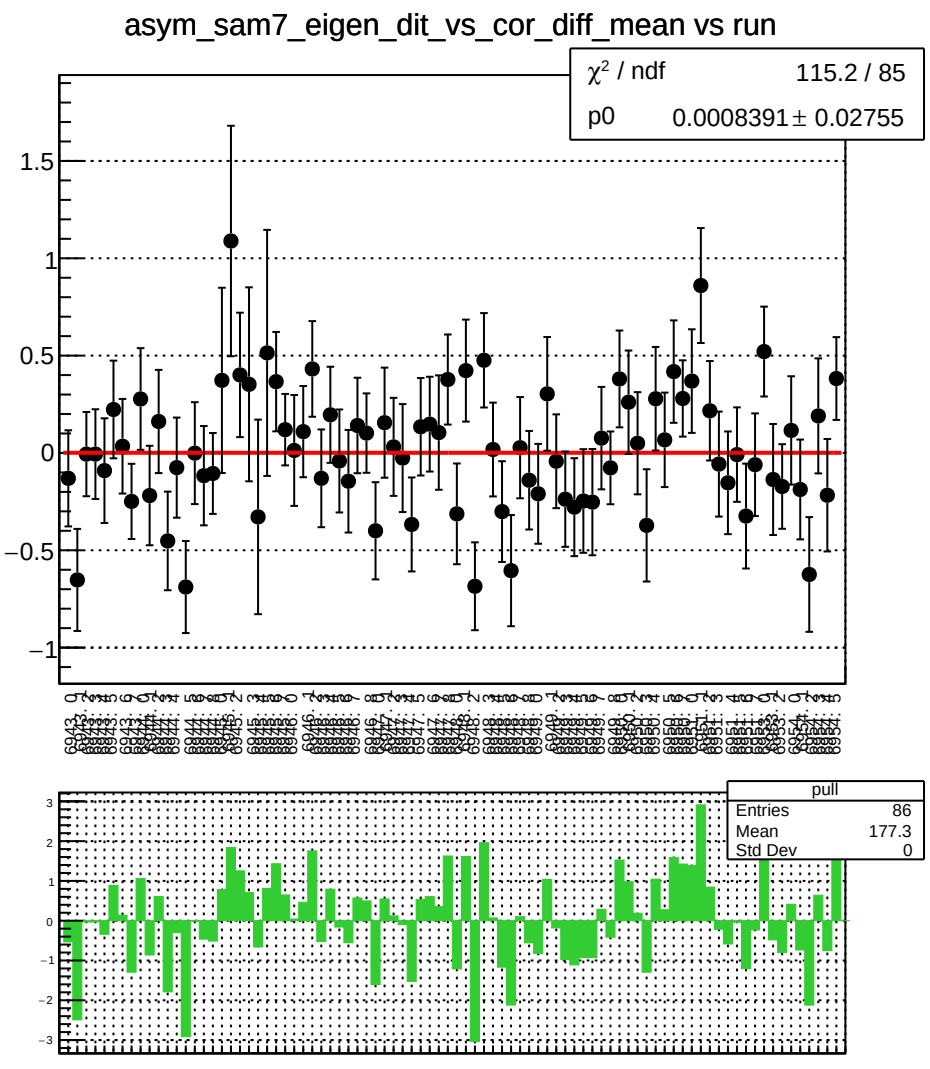

pull1D
Entries 86
Mean 0.02083
Std Dev 1.157

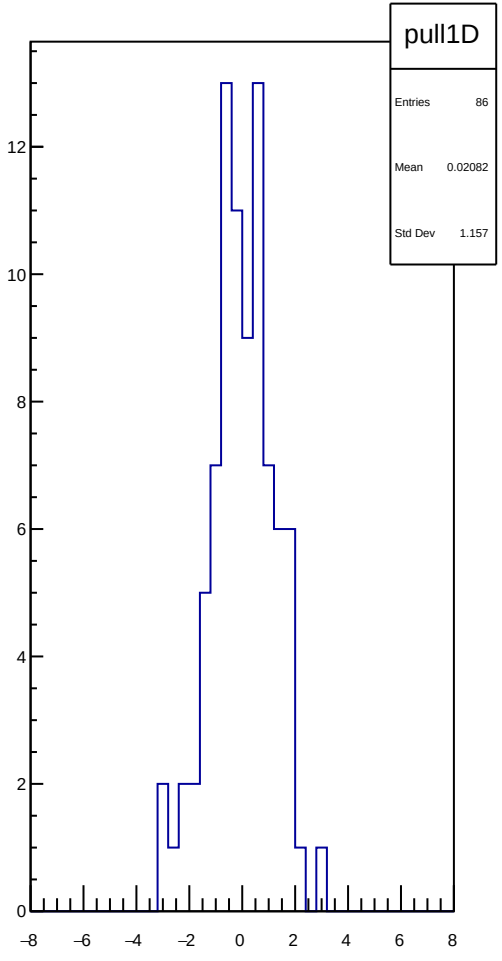

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.106e+04 / 85
p0 24.83 ± 0.01948
60
55
50
45
40
35
30
25
20

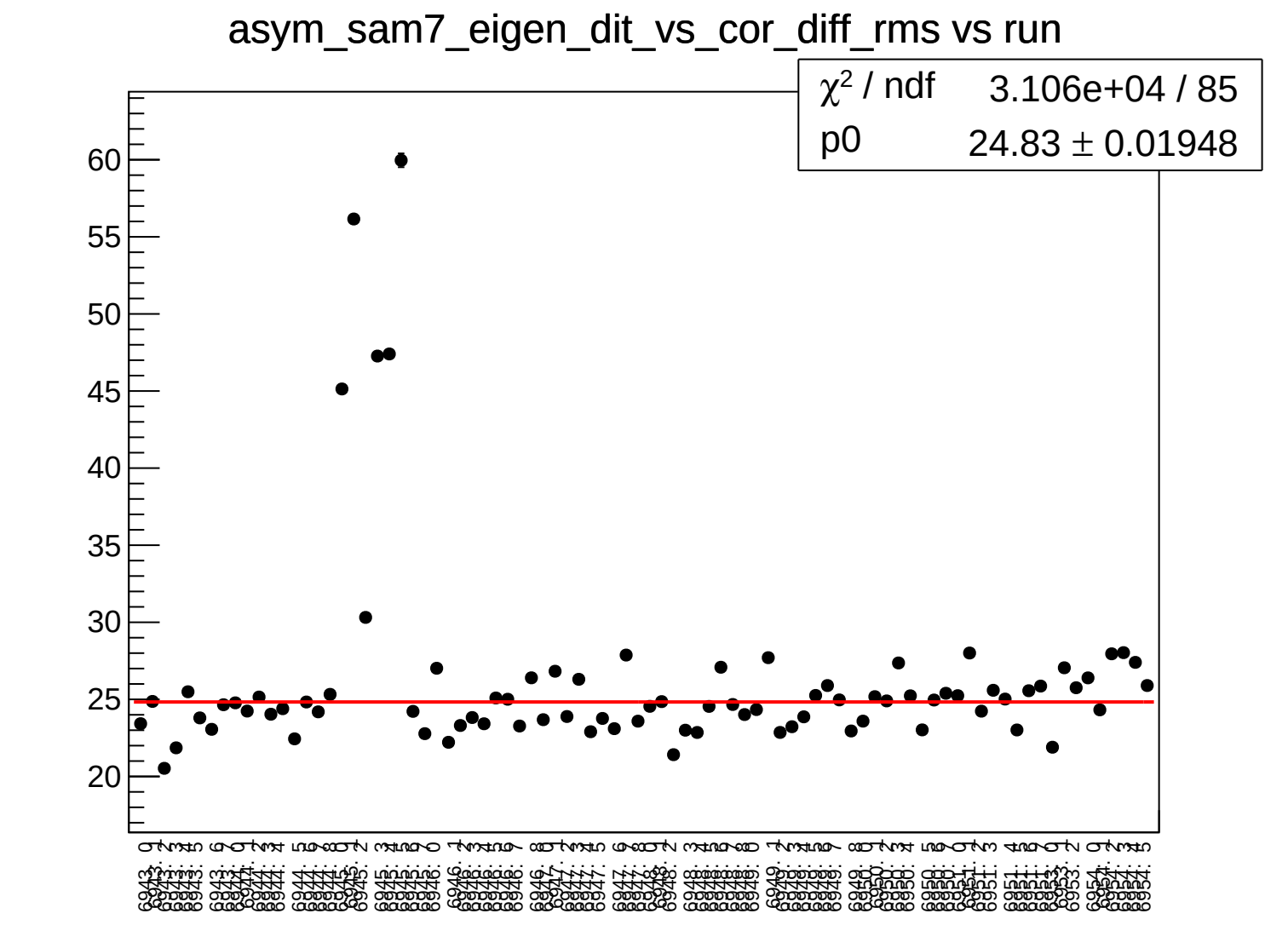

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.53 / 85
p0 2.325e−06 ± 2.593e−06
pull
Entries 86
Mean 173.9
Std Dev 0

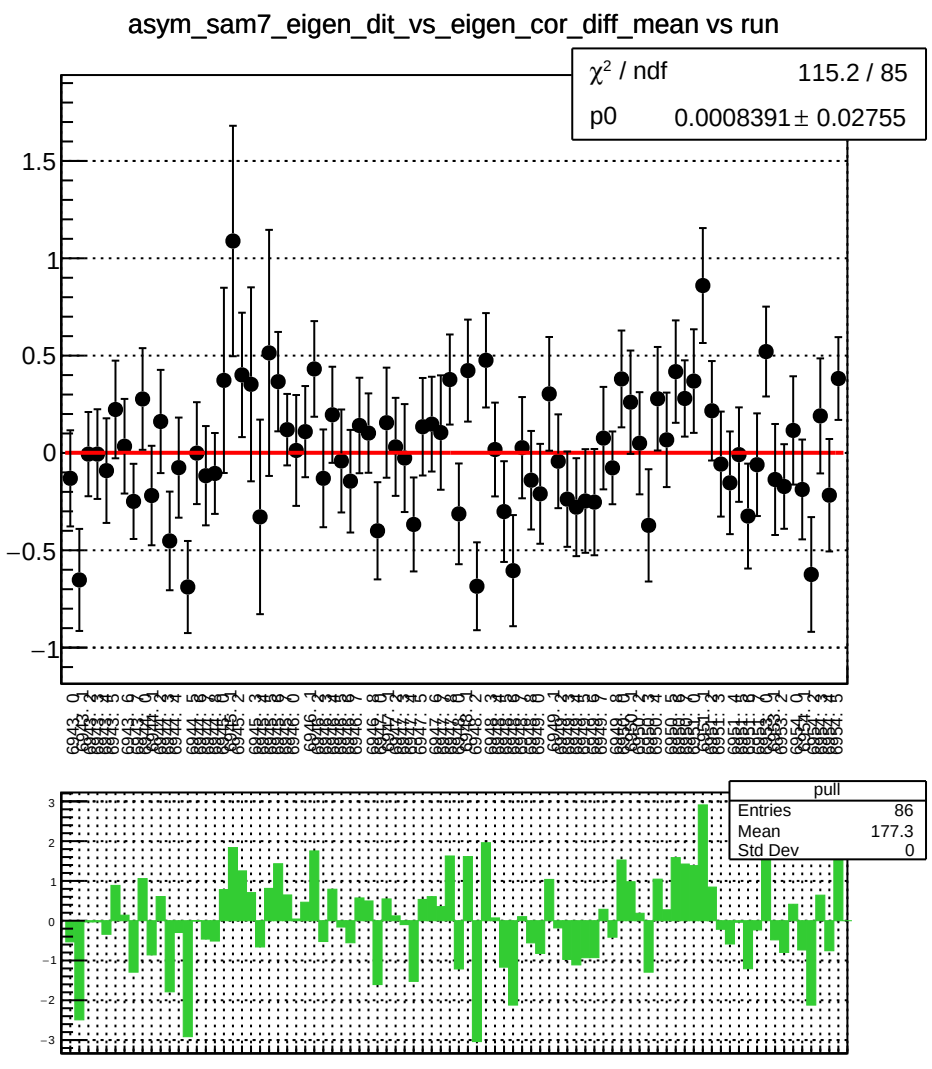

pull1D
Entries 86
Mean −0.02079
Std Dev 1.014

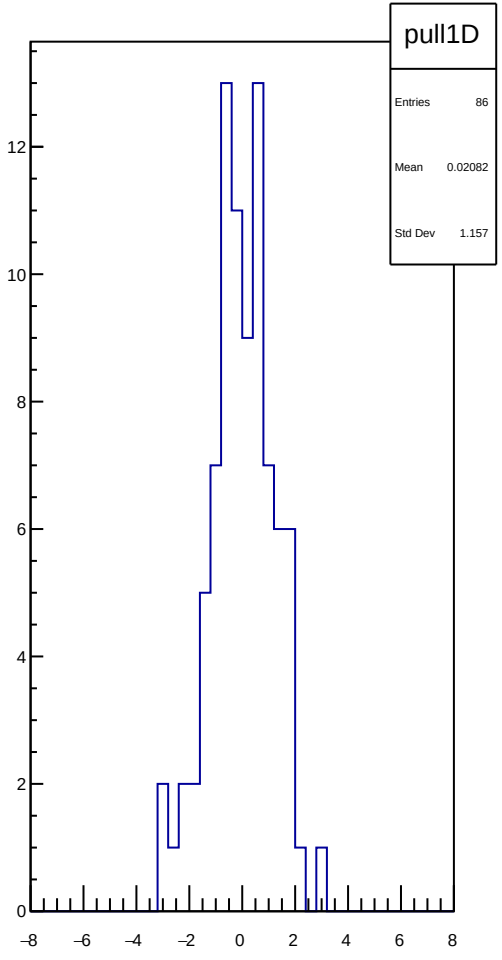

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7040 / 85
p0 0.002355 ± 1.834e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

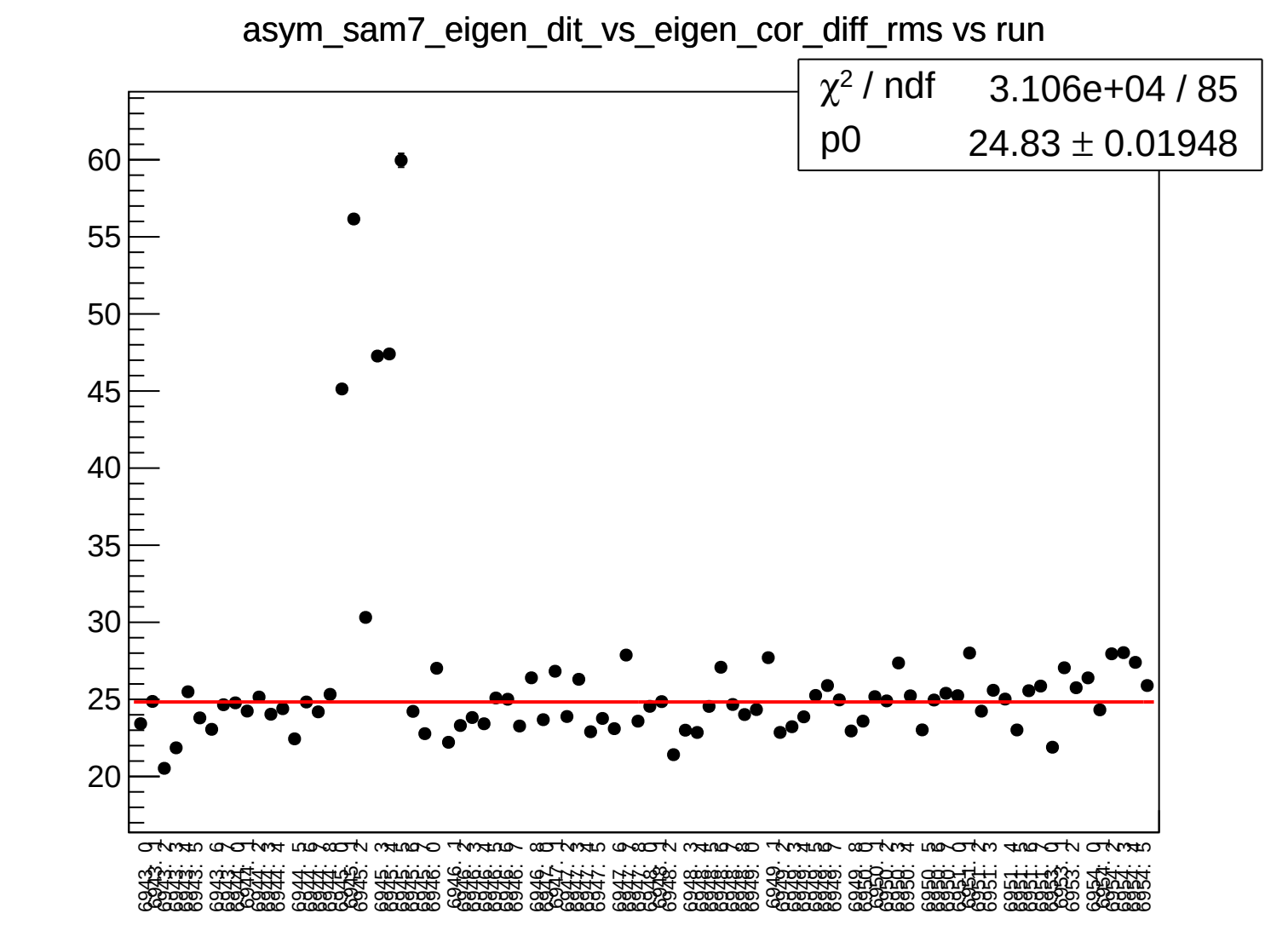

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 115.2 / 85
p0 0.0008391 ± 0.02755
pull
Entries 86
Mean 177.3
Std Dev 0

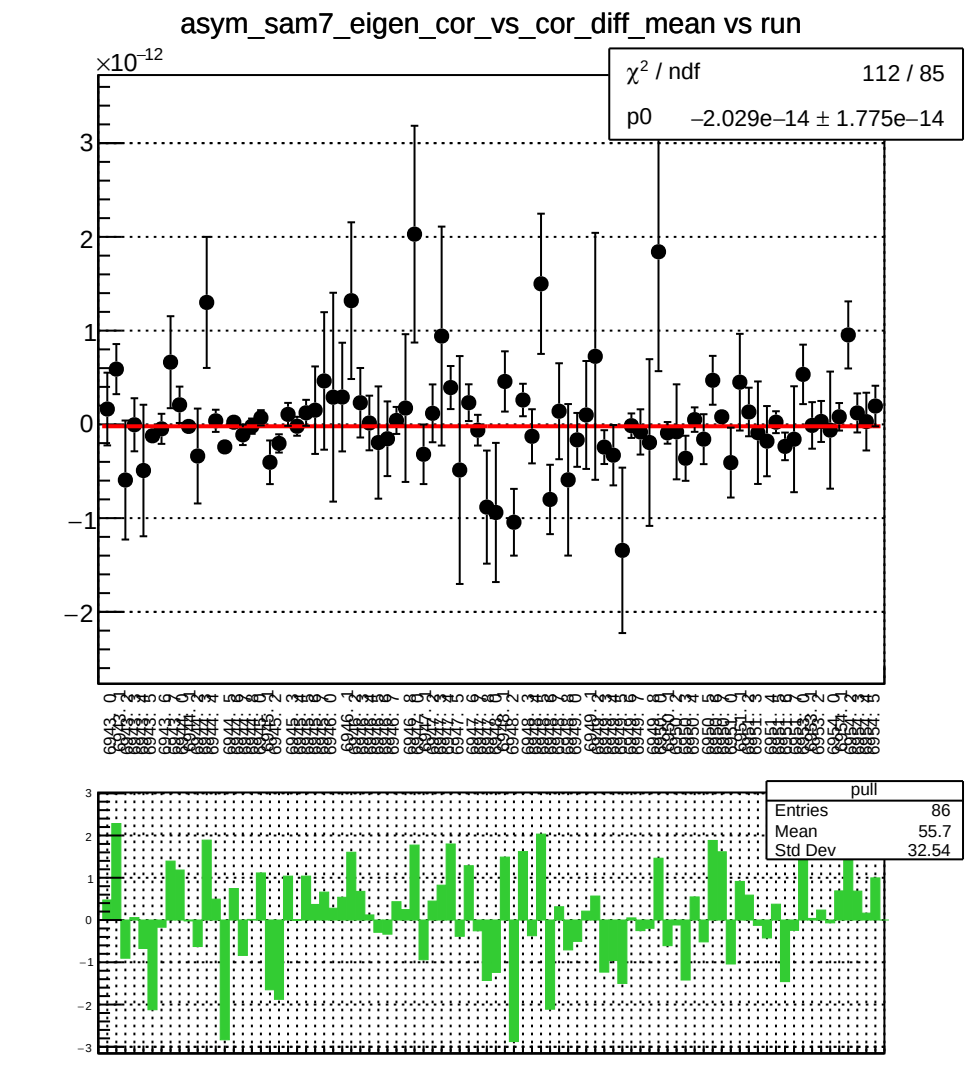

pull1D
Entries 86
Mean 0.02082
Std Dev 1.157

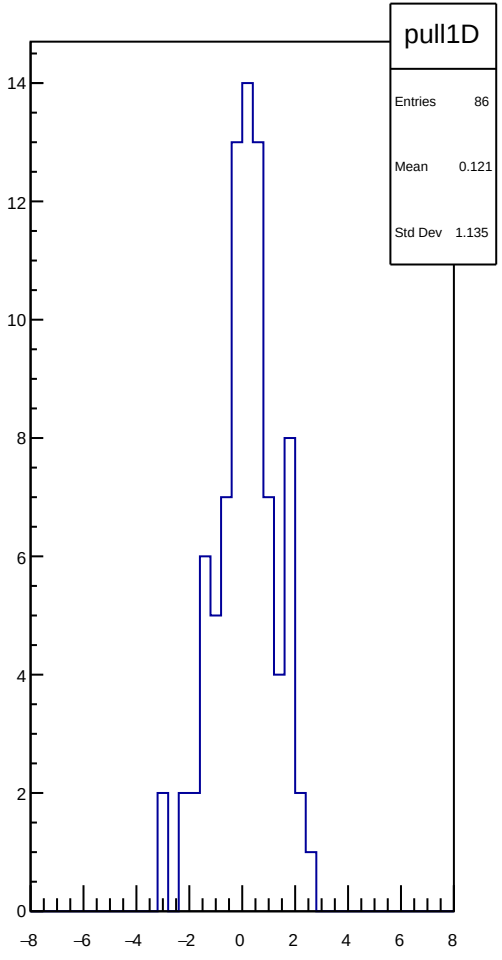

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.106e+04 / 85
p0 24.83 ± 0.01948
60
55
50
45
40
35
30
25
20

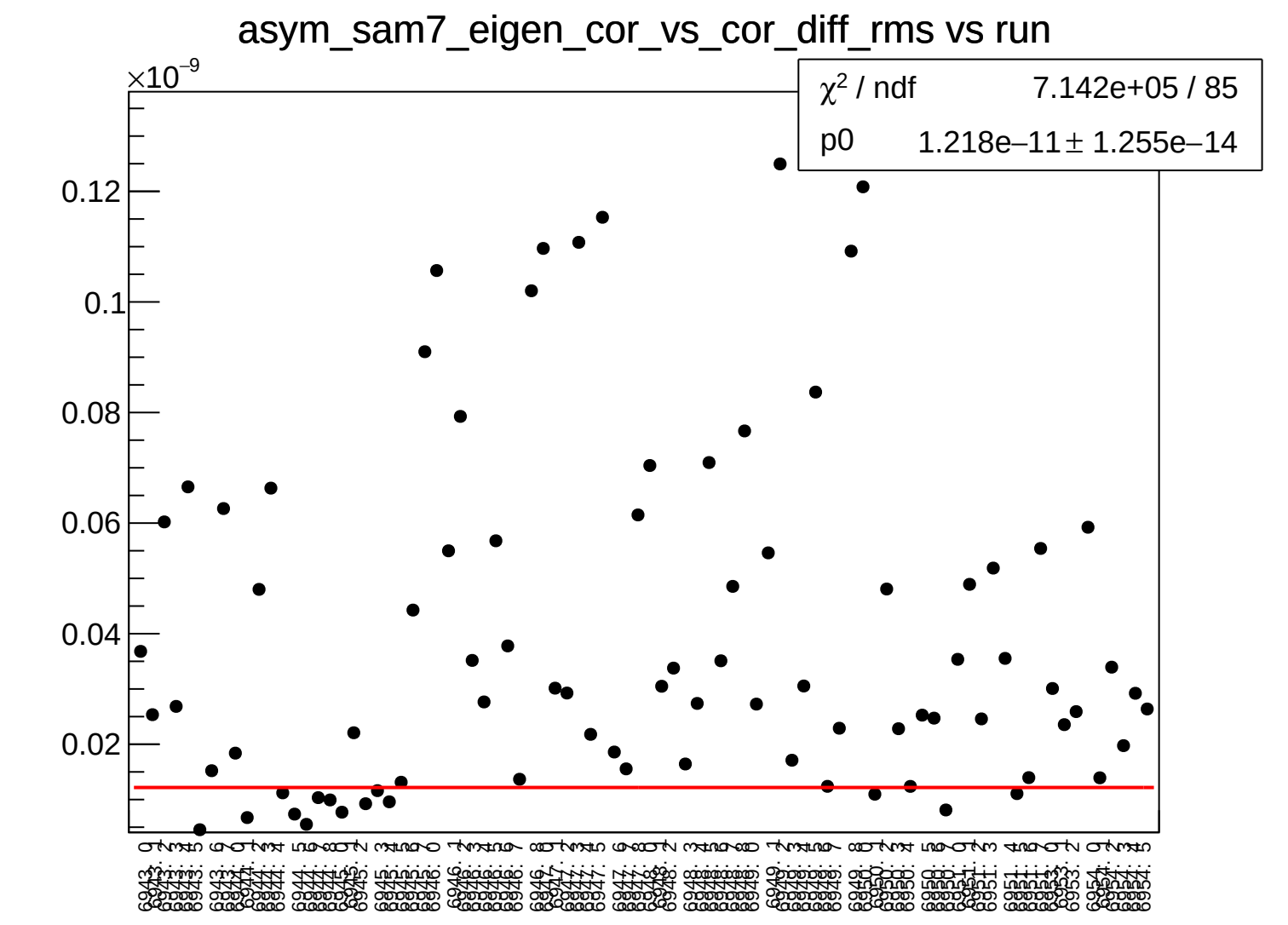

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.2 / 85
p0 0.0008391 ± 0.02755
pull
Entries 86
Mean 177.3
Std Dev 0

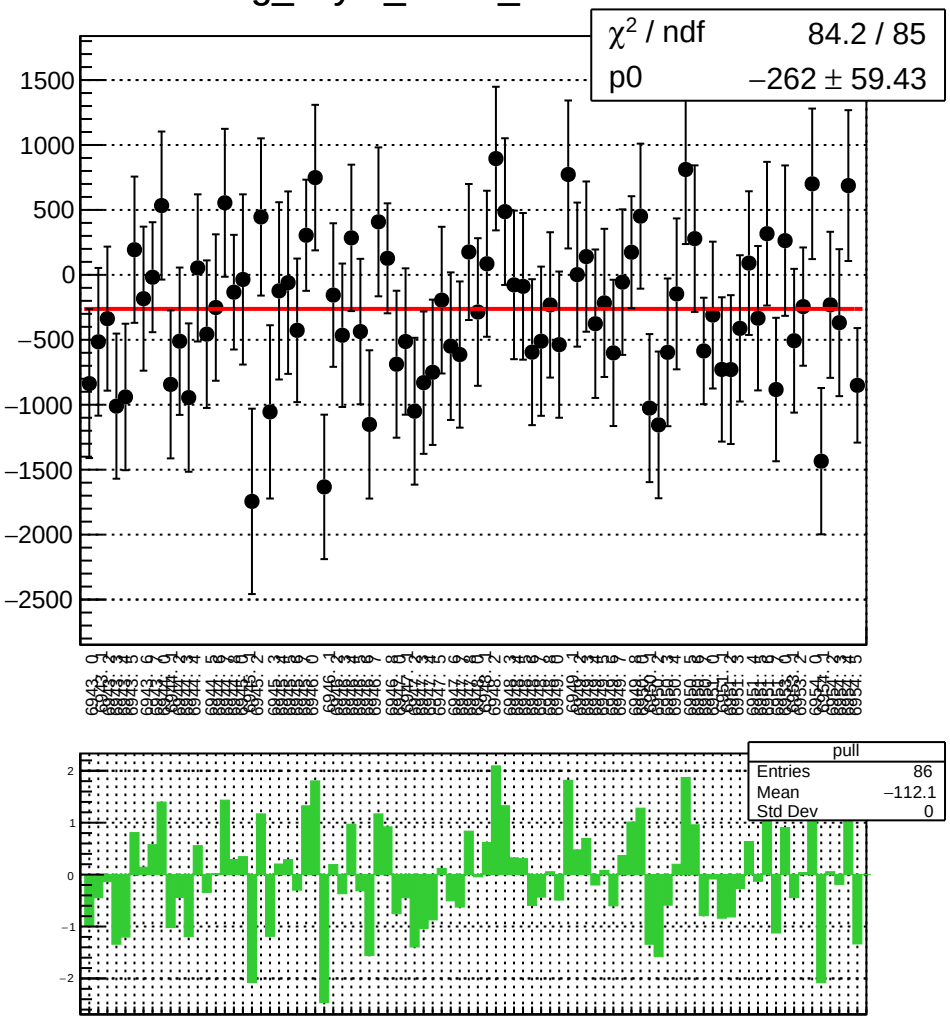

pull1D
Entries 86
Mean 0.02082
Std Dev 1.157

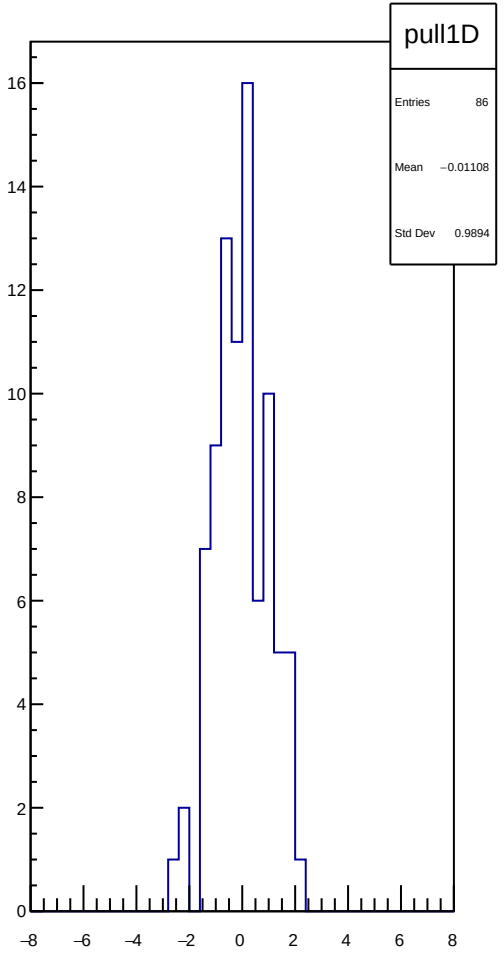

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.106e+04 / 85
p0 24.83 ± 0.01948
60
55
50
45
40
35
30
25
20

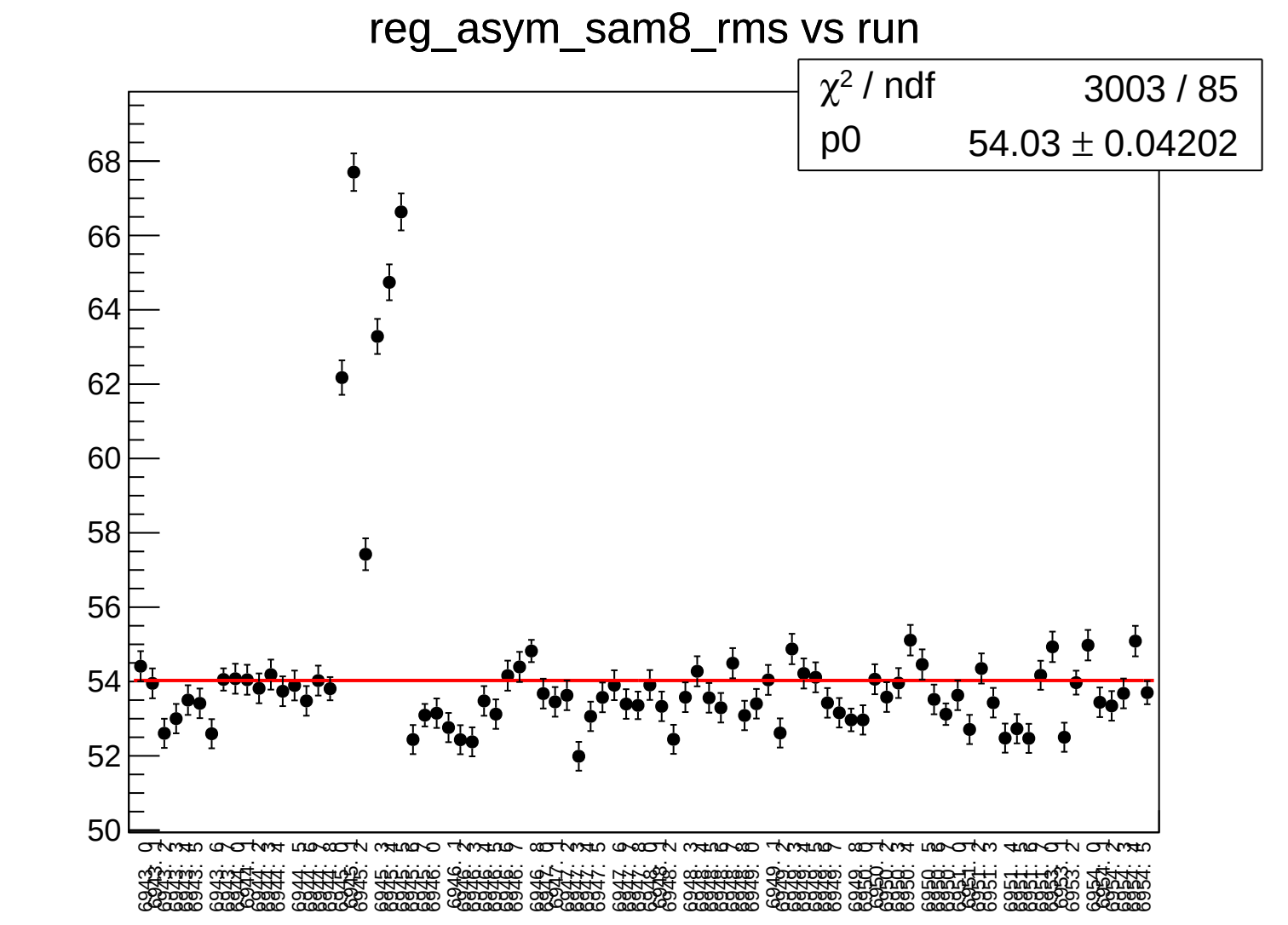

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 112 / 85
p0 −2.029e−14 ± 1.775e−14
pull
Entries 86
Mean 55.7
Std Dev 32.54

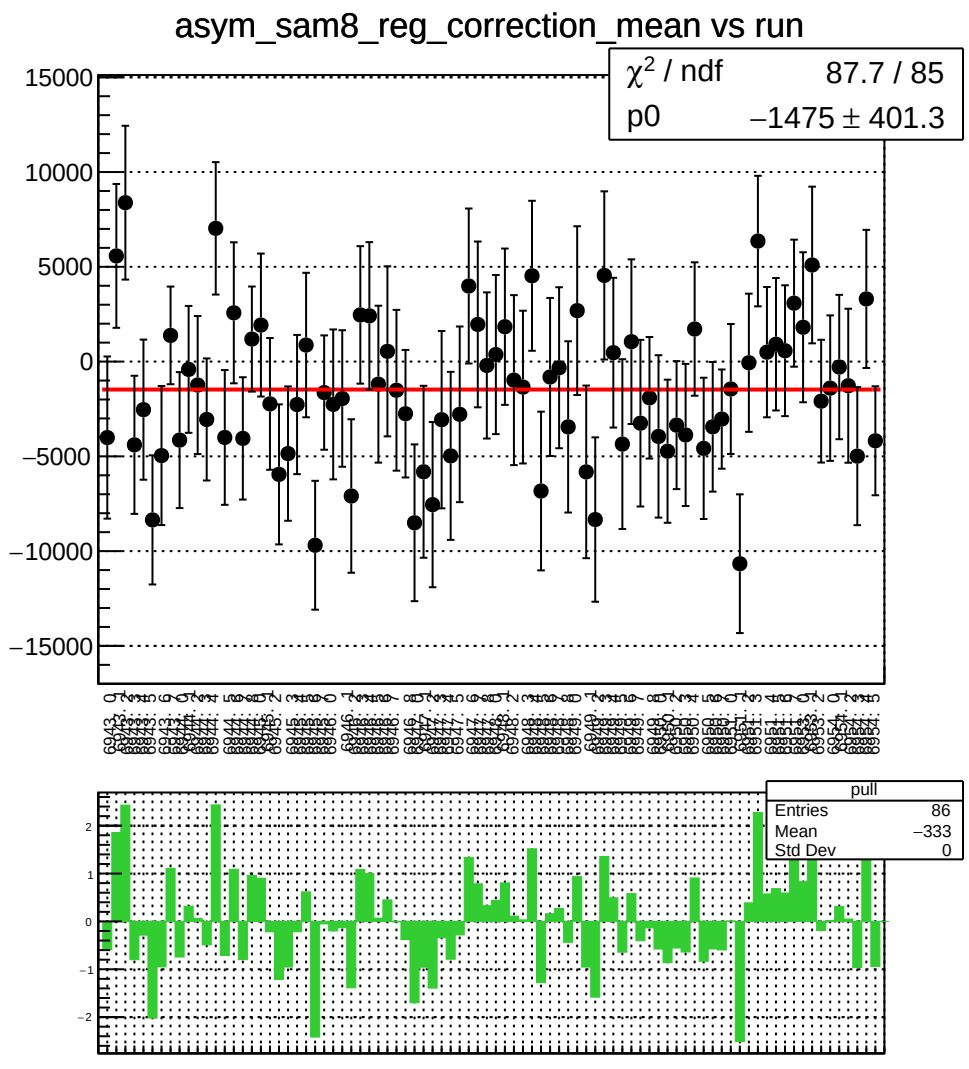

pull1D
Entries 86
Mean 0.121
Std Dev 1.135

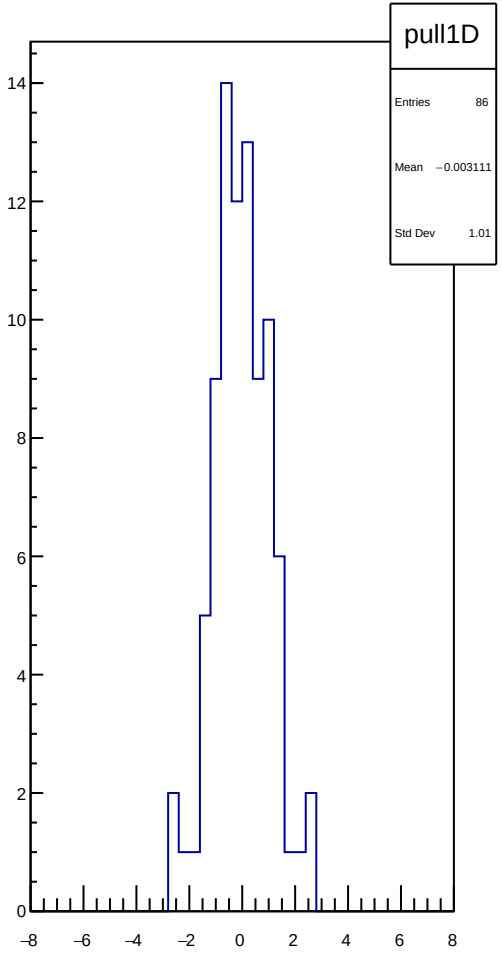

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.142e+05 / 85
p0 1.218e−11 ± 1.255e−14
0.12
0.1
0.08
0.06
0.04
0.02

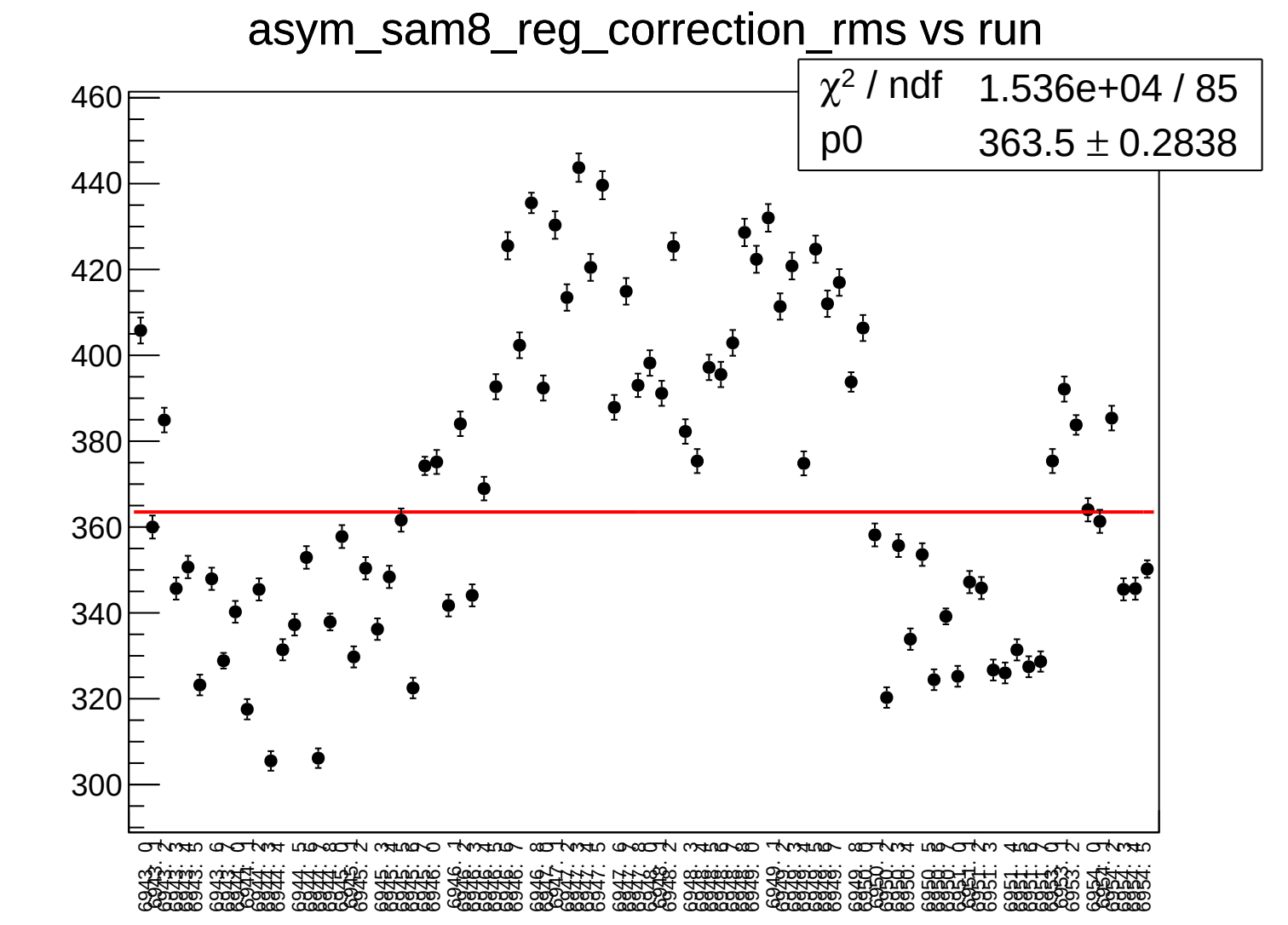

reg_asym_sam8_mean vs run
χ² / ndf 84.2 / 85
p0 −262 ± 59.43
pull
Entries 86
Mean −112.1
Std Dev 0

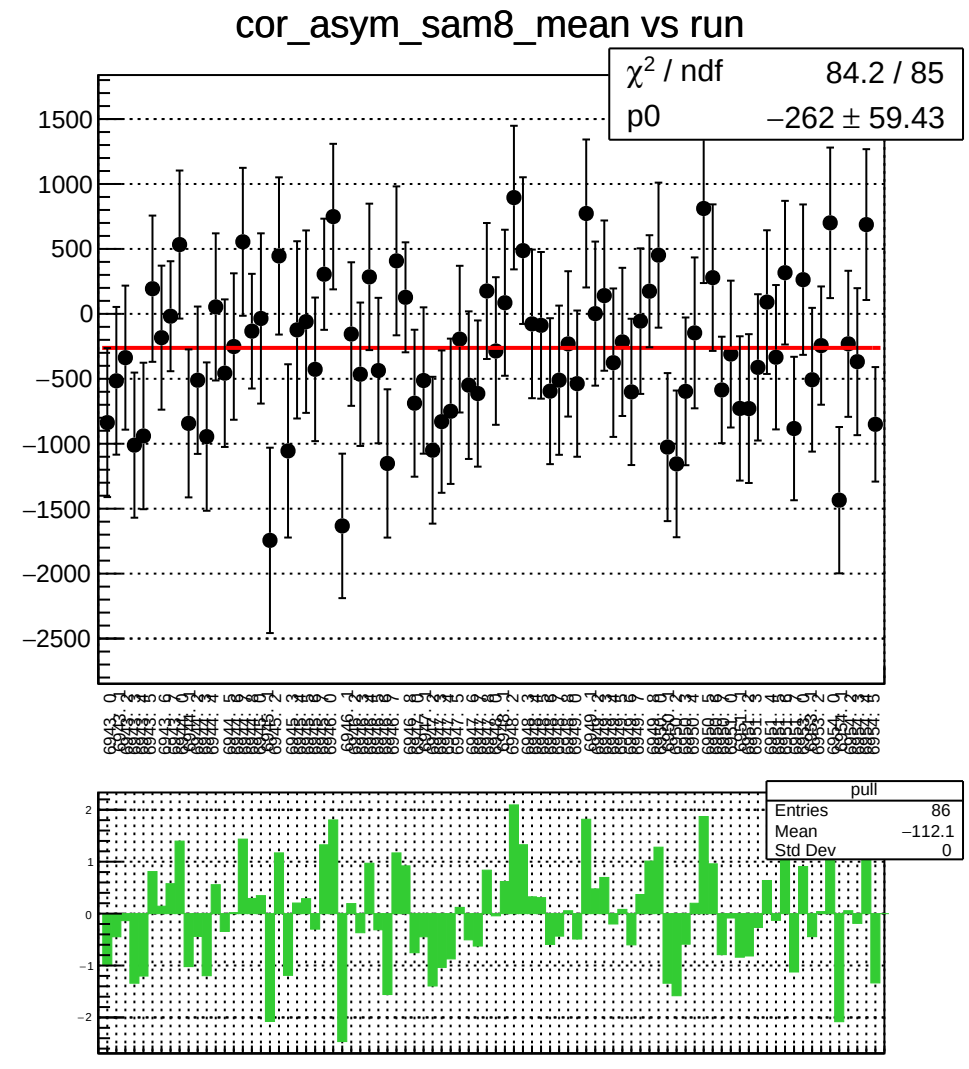

pull1D
Entries 86
Mean −0.01108
Std Dev 0.9894

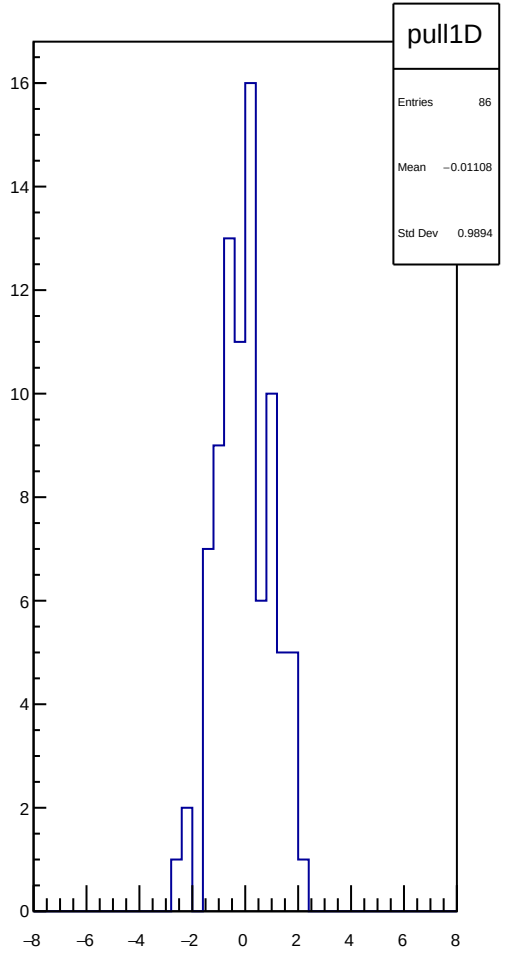

reg_asym_sam8_rms vs run
χ² / ndf 3003 / 85
p0 54.03 ± 0.04202
68
66
64
62
60
58
56
54
52
50

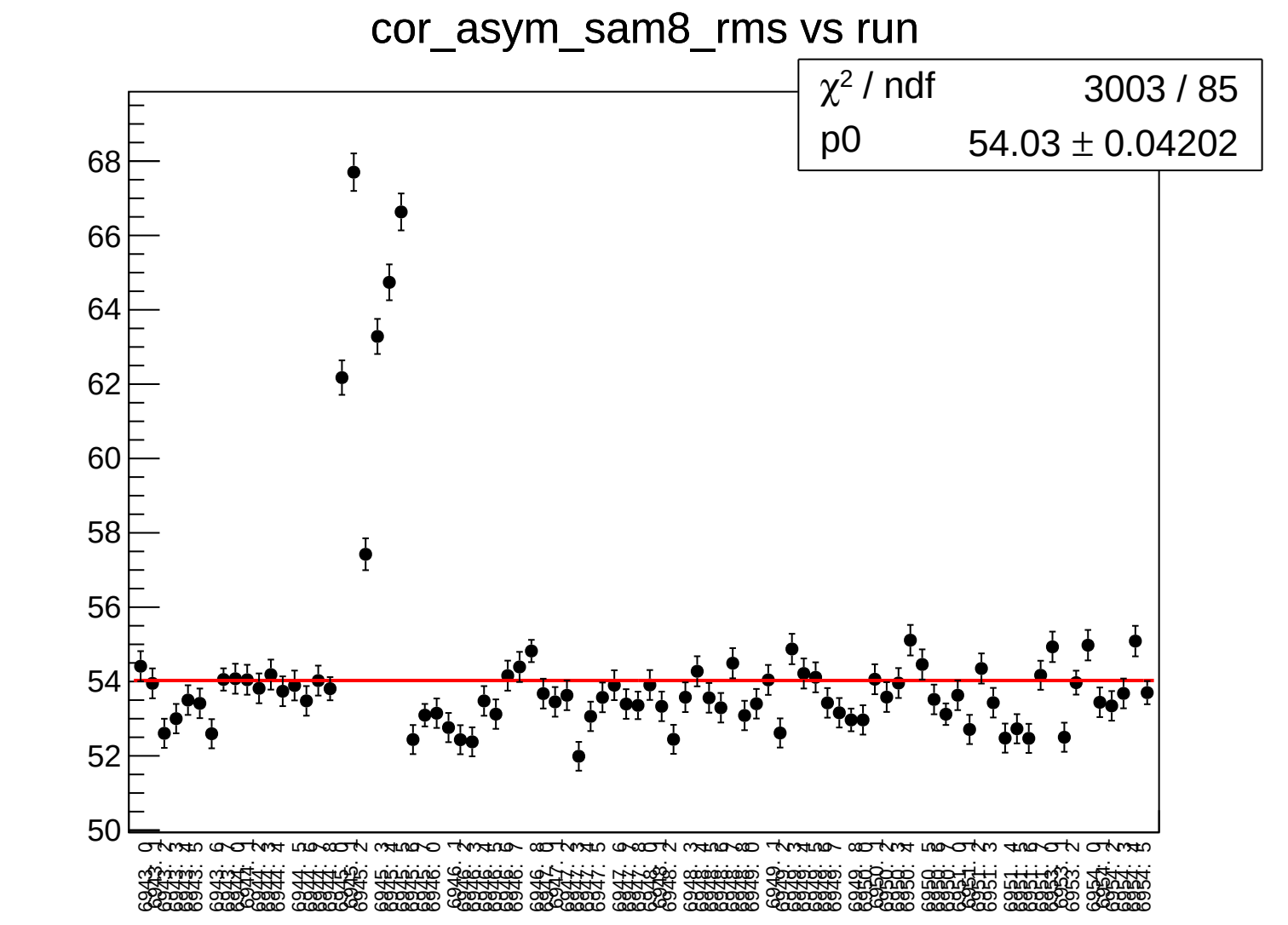

asym_sam8_reg_correction_mean vs run
χ² / ndf 87.7 / 85
p0 −1475 ± 401.3
pull
Entries 86
Mean −333
Std Dev 0

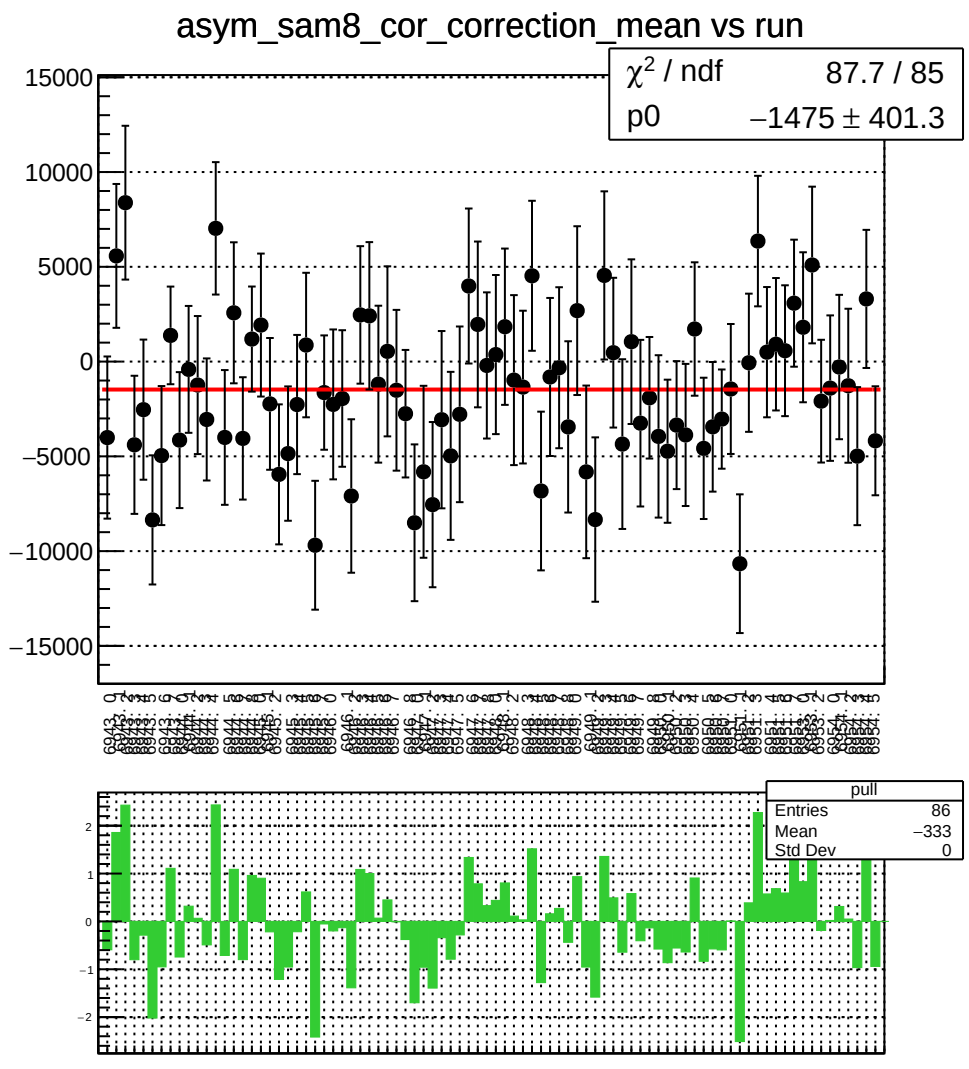

pull1D
Entries 86
Mean −0.003111
Std Dev 1.01

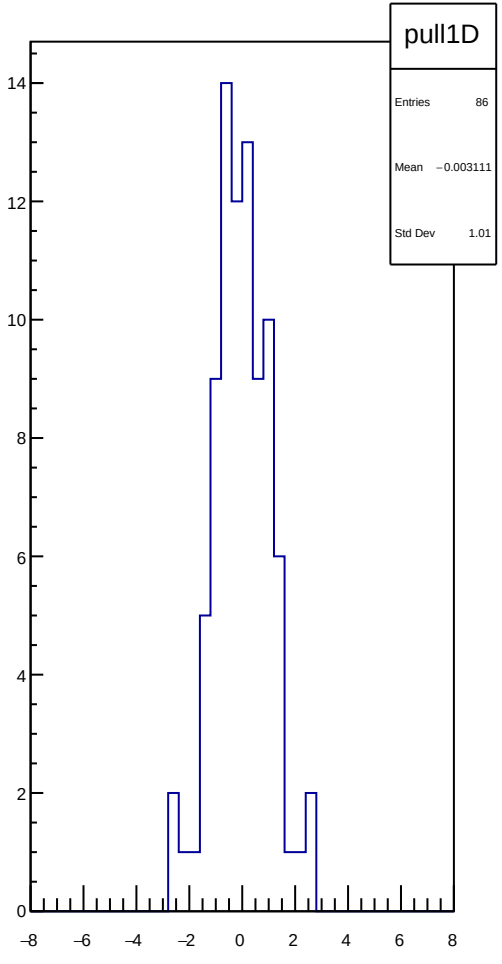

asym_sam8_reg_correction_rms vs run
χ² / ndf 1.536e+04 / 85
p0 363.5 ± 0.2838
460
440
420
400
380
360
340
320
300

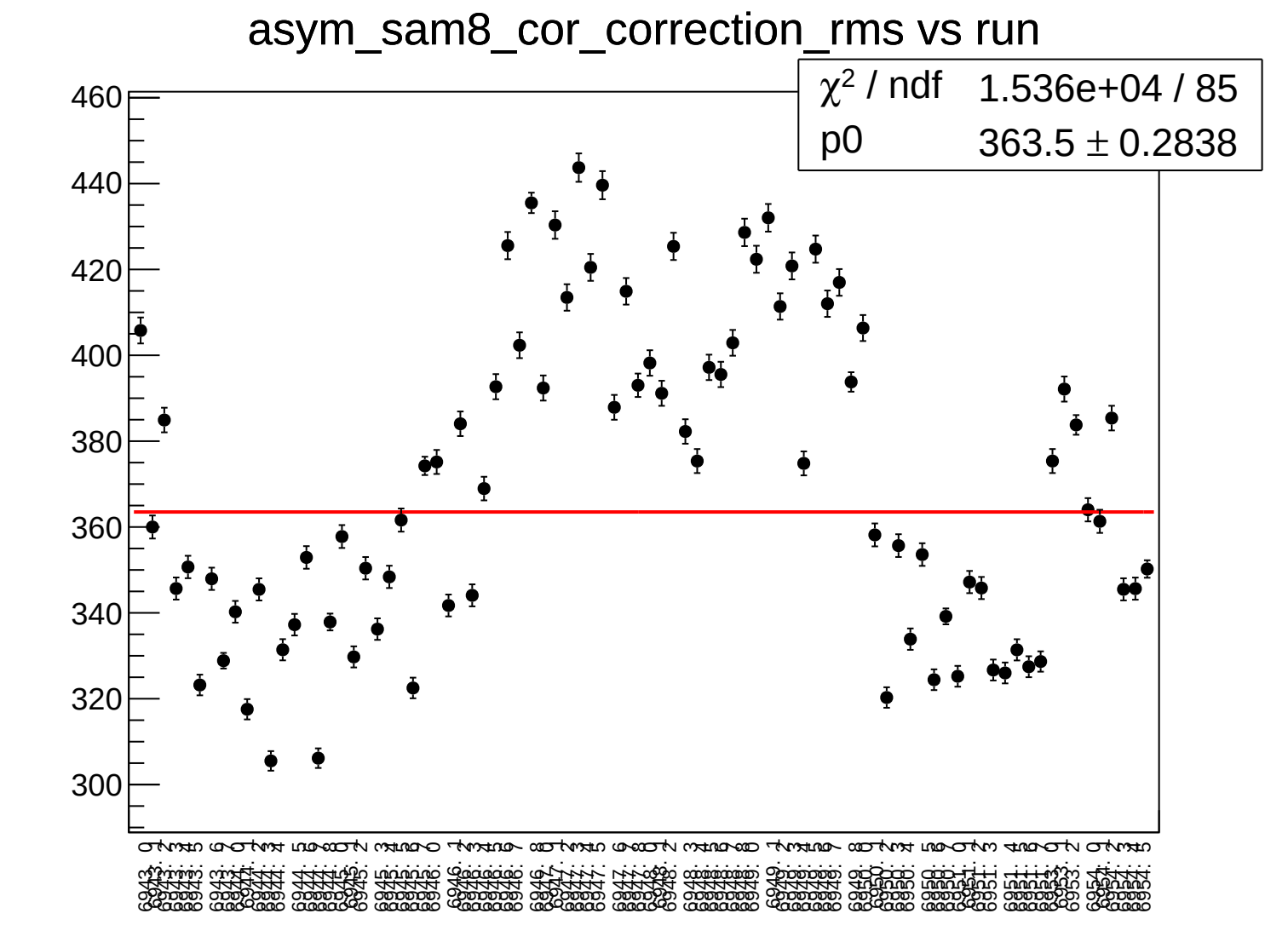

cor_asym_sam8_mean vs run
χ² / ndf 84.2 / 85
p0 −262 ± 59.43
pull
Entries 86
Mean −112.1
Std Dev 0

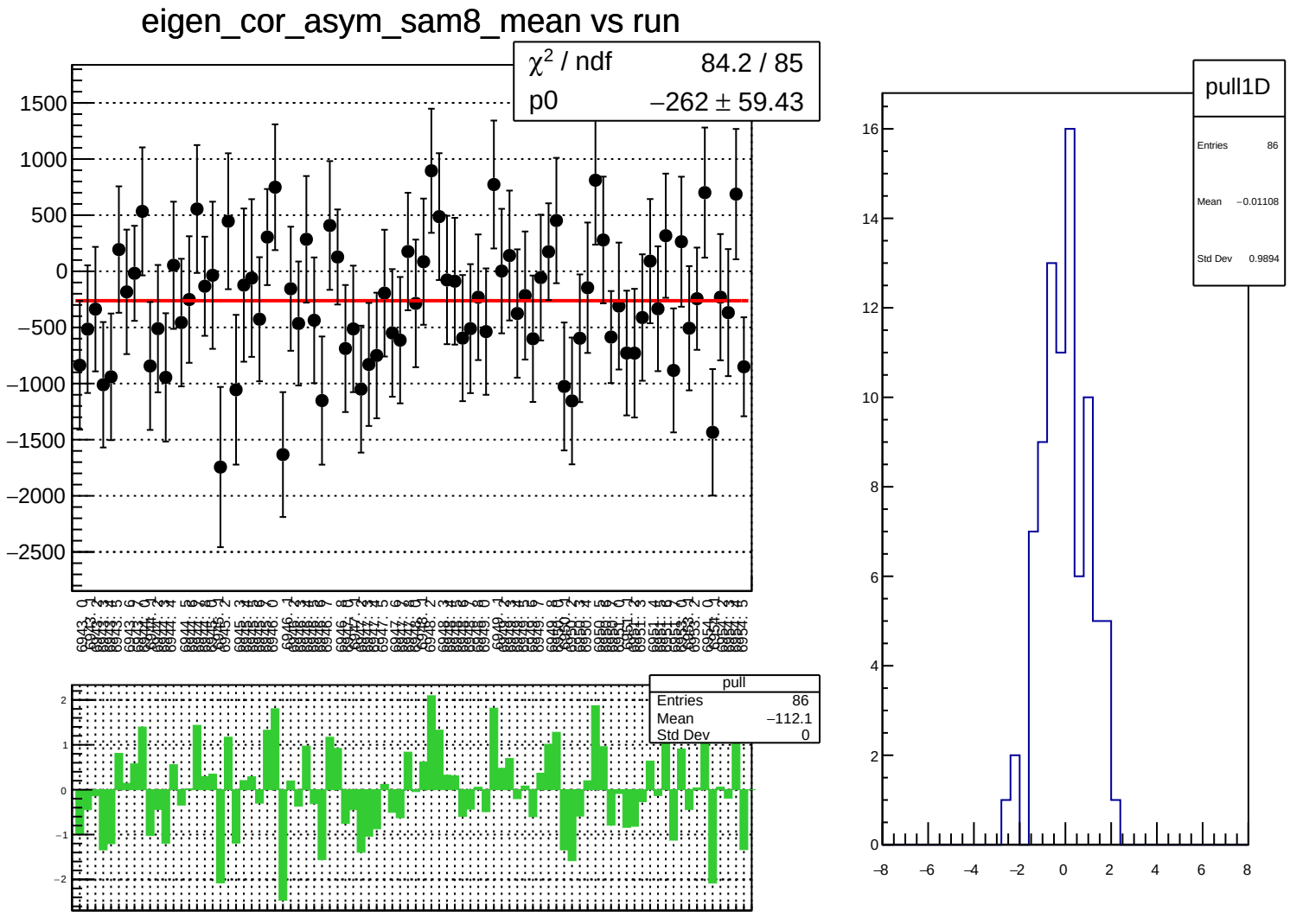

pull1D
Entries 86
Mean −0.01108
Std Dev 0.9894

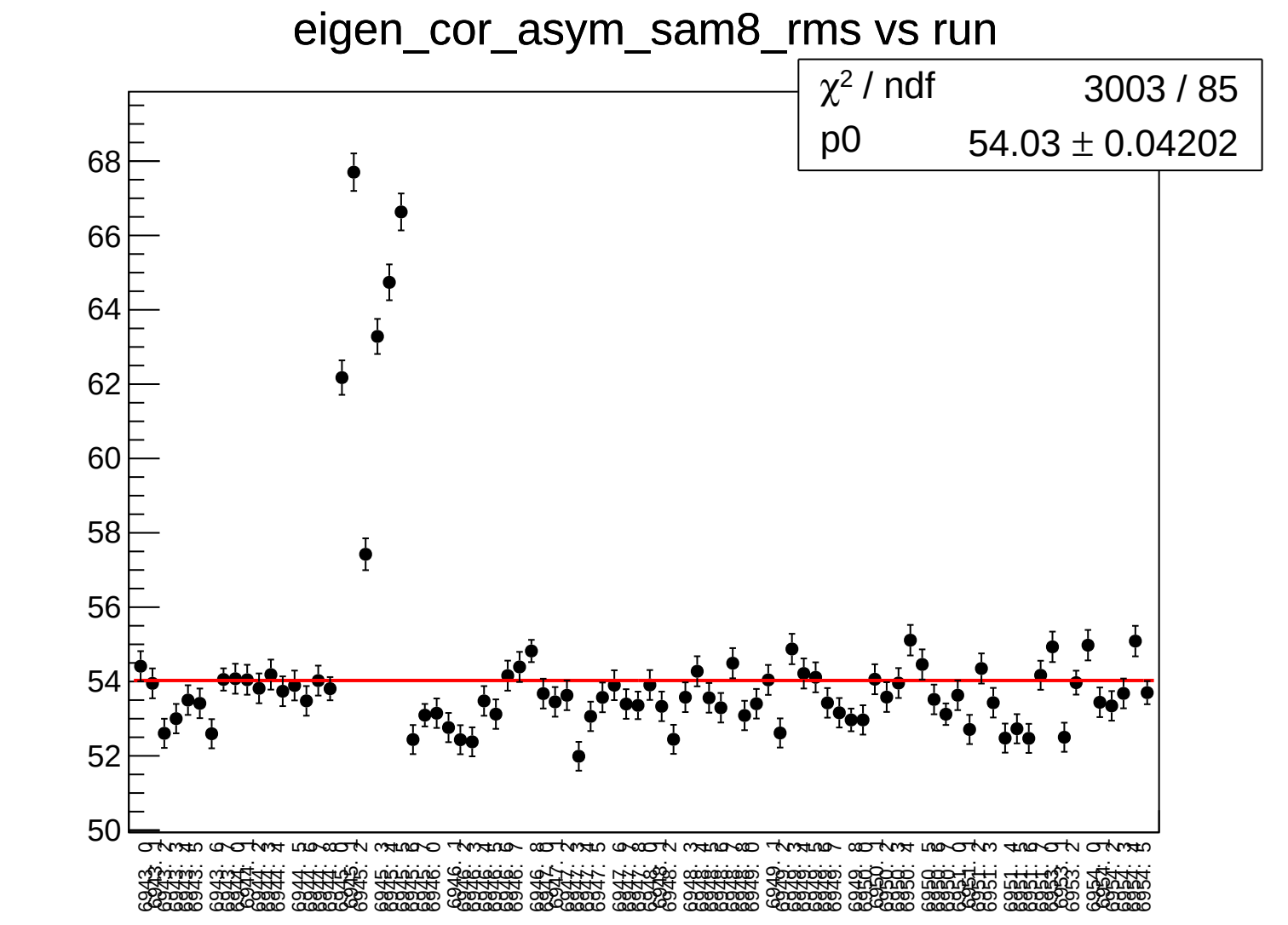

cor_asym_sam8_rms vs run
χ² / ndf 3003 / 85
p0 54.03 ± 0.04202
68
66
64
62
60
58
56
54
52
50

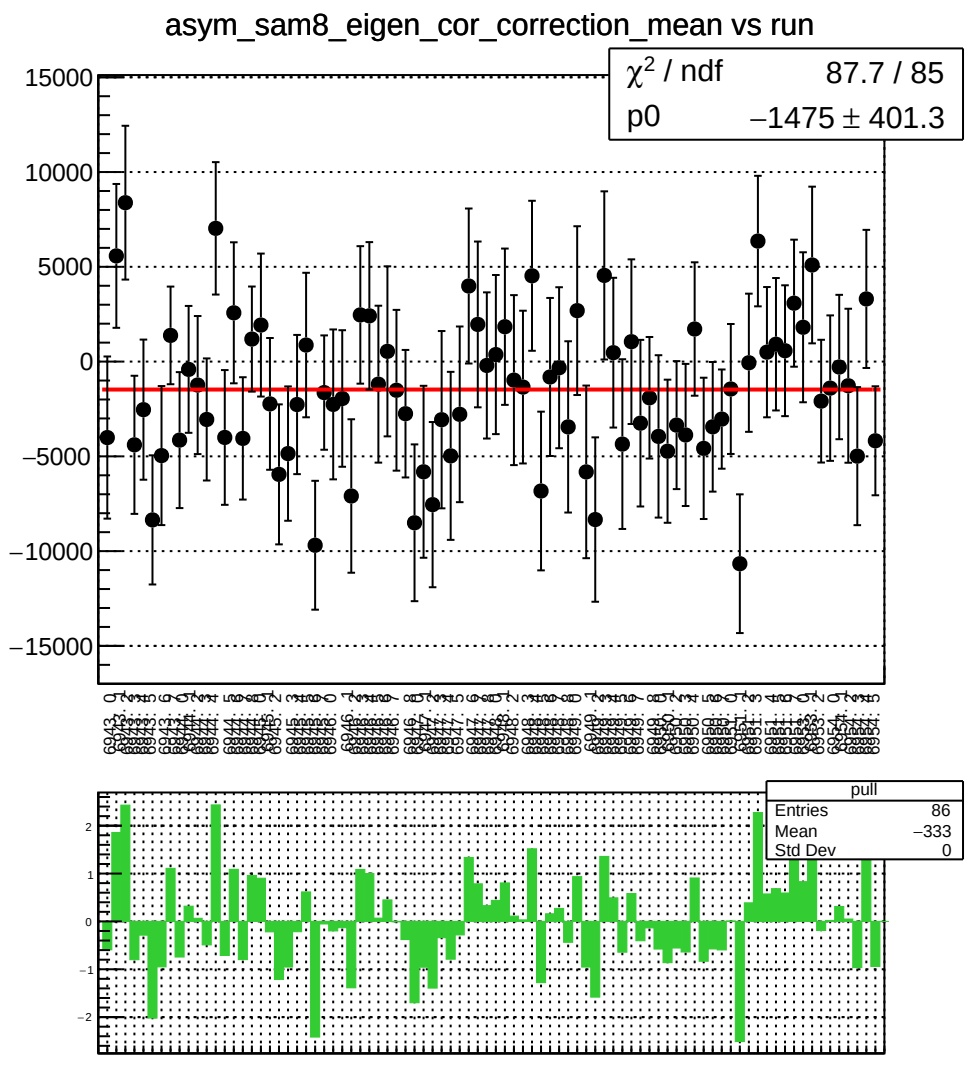

asym_sam8_cor_correction_mean vs run
χ² / ndf 87.7 / 85
p0 −1475 ± 401.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −333
Std Dev 0
2
1
0
−1
−2

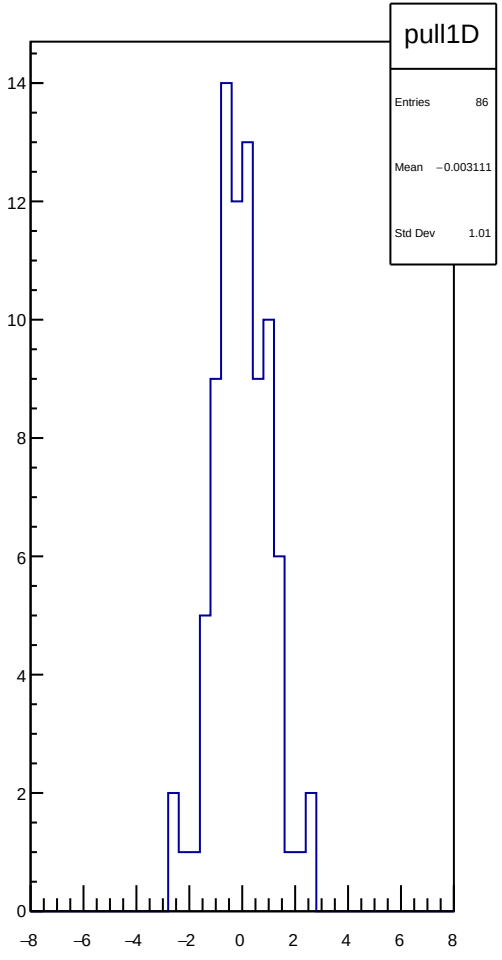

pull1D
Entries 86
Mean −0.003111
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

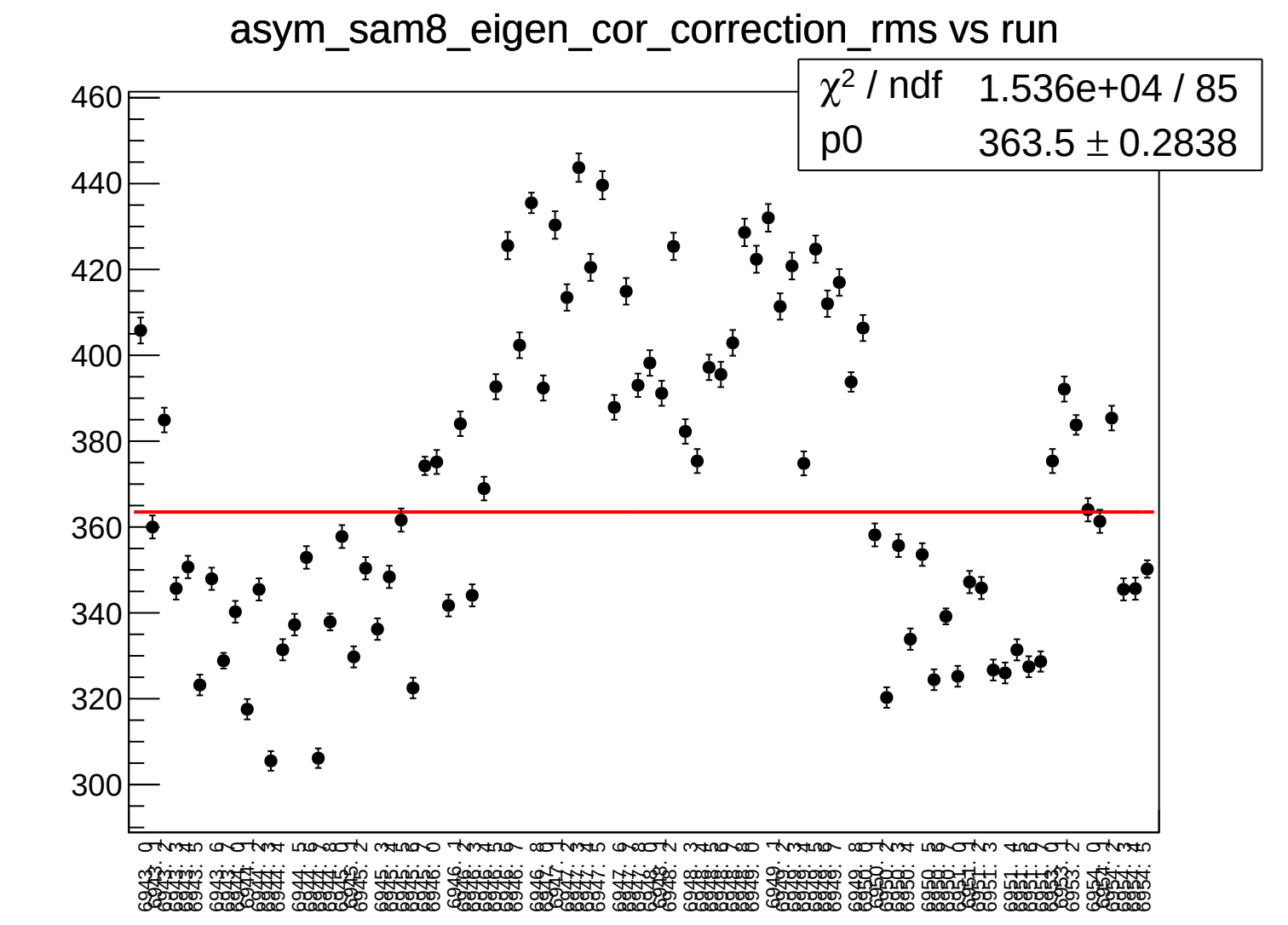

asym_sam8_cor_correction_rms vs run
χ² / ndf 1.536e+04 / 85
p0 363.5 ± 0.2838
460
440
420
400
380
360
340
320
300

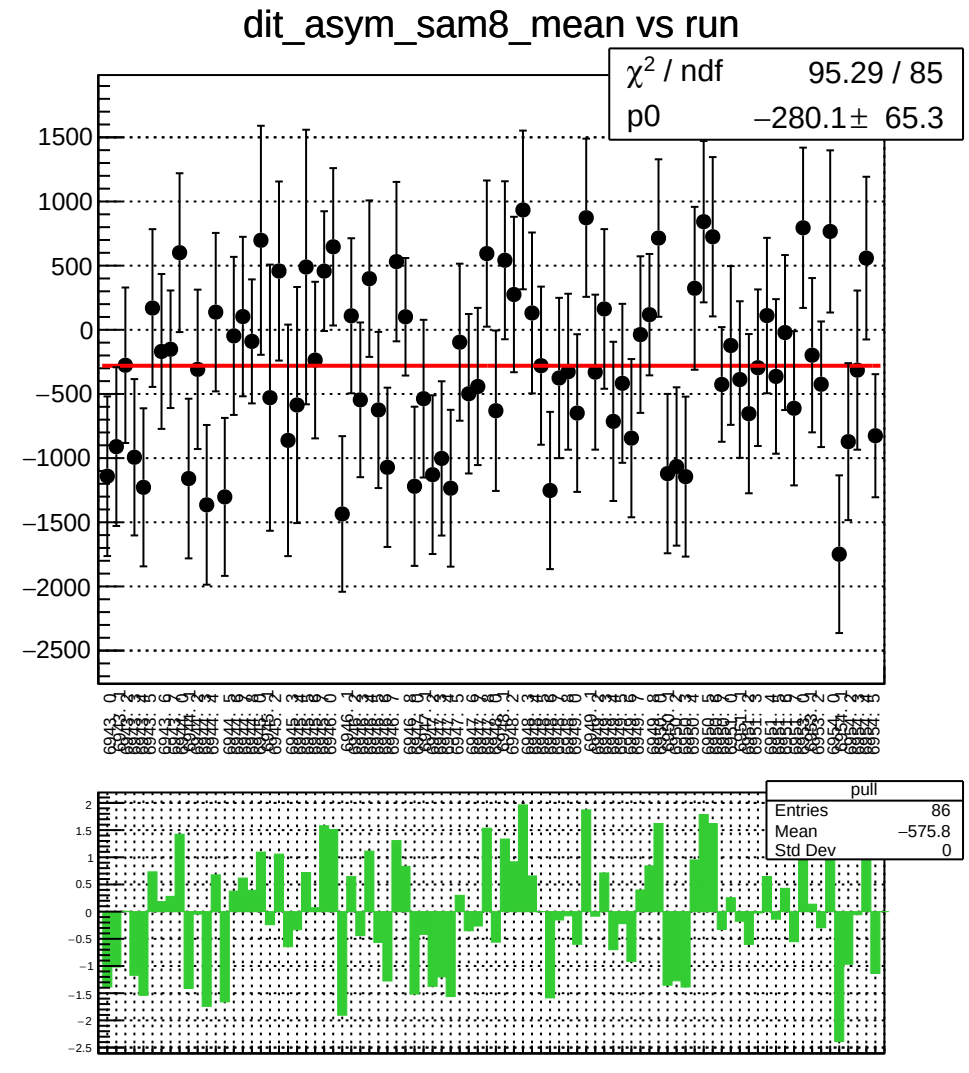

eigen_cor_asym_sam8_mean vs run
χ² / ndf 84.2 / 85
p0 −262 ± 59.43
pull
Entries 86
Mean −112.1
Std Dev 0
pull1D
Entries 86
Mean −0.01108
Std Dev 0.9894

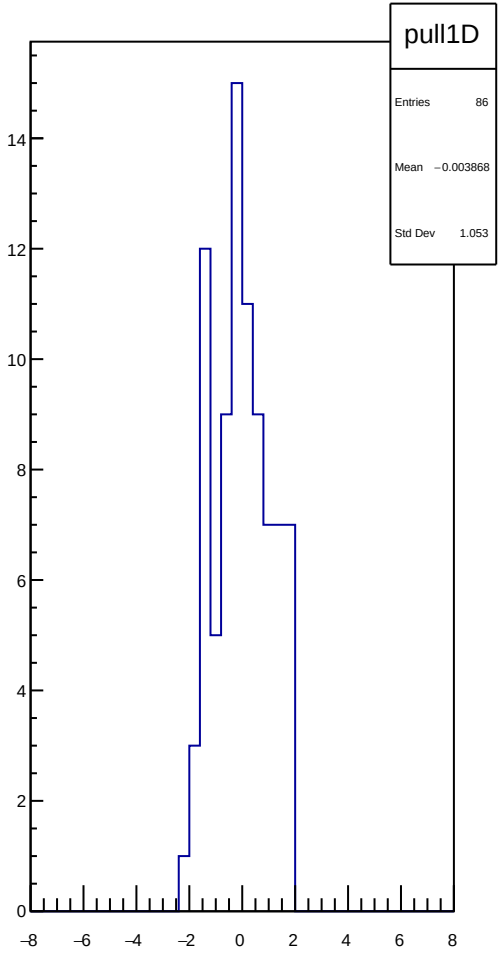

eigen_cor_asym_sam8_rms vs run
χ² / ndf 3003 / 85
p0 54.03 ± 0.04202
68
66
64
62
60
58
56
54
52
50

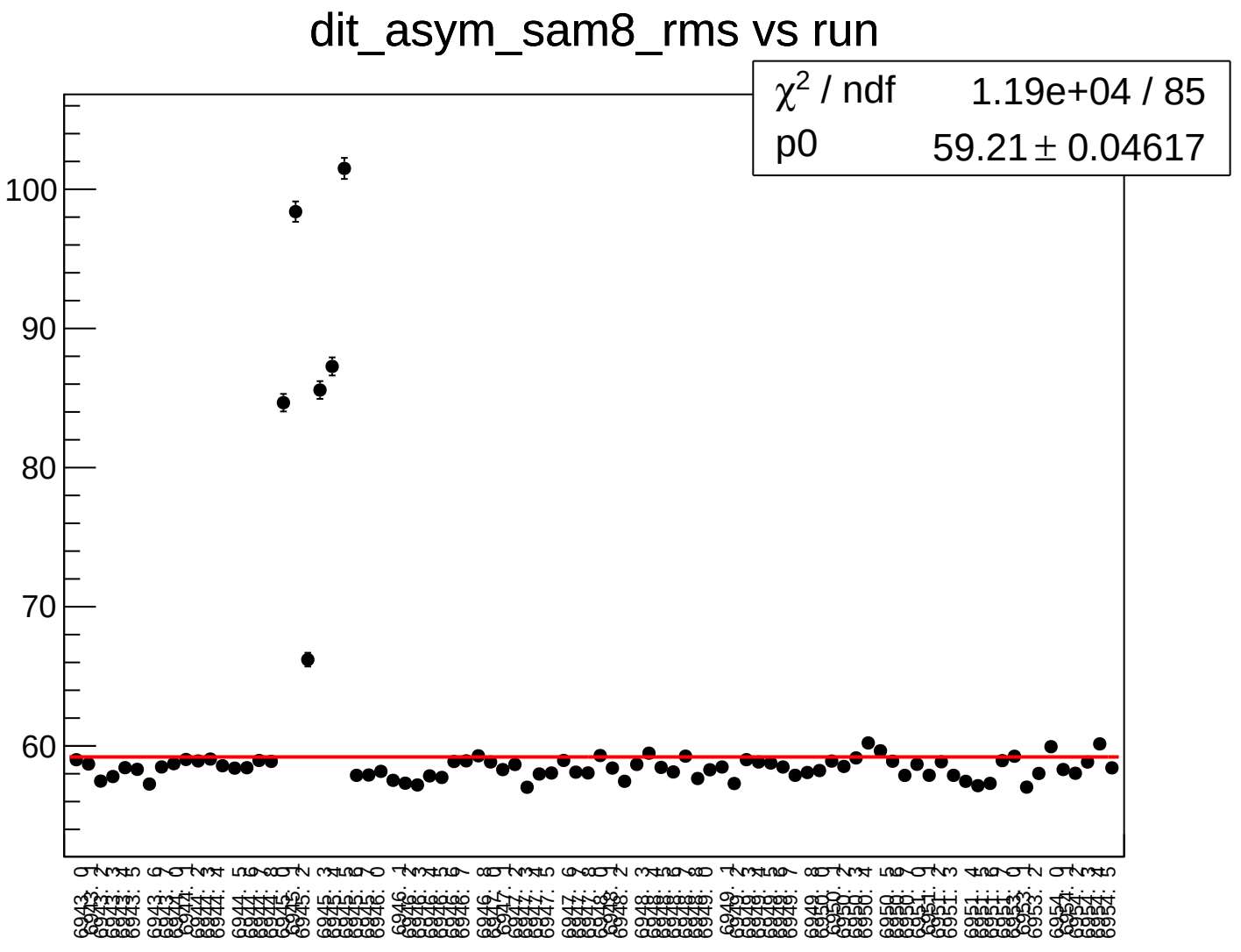

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 87.7 / 85
p0 −1475 ± 401.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −333
Std Dev 0
2
1
0
−1
−2

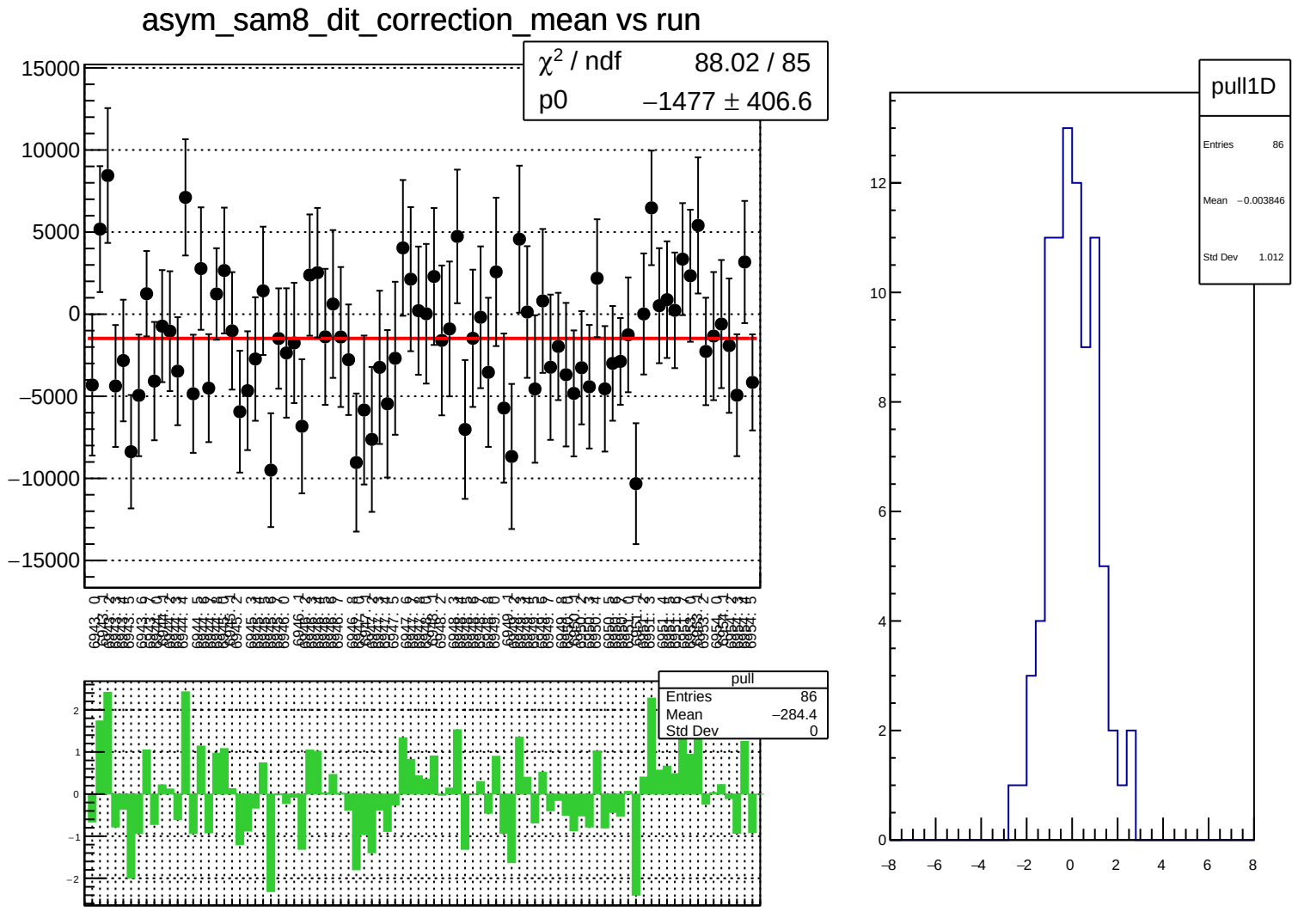

pull1D
Entries 86
Mean −0.003111
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

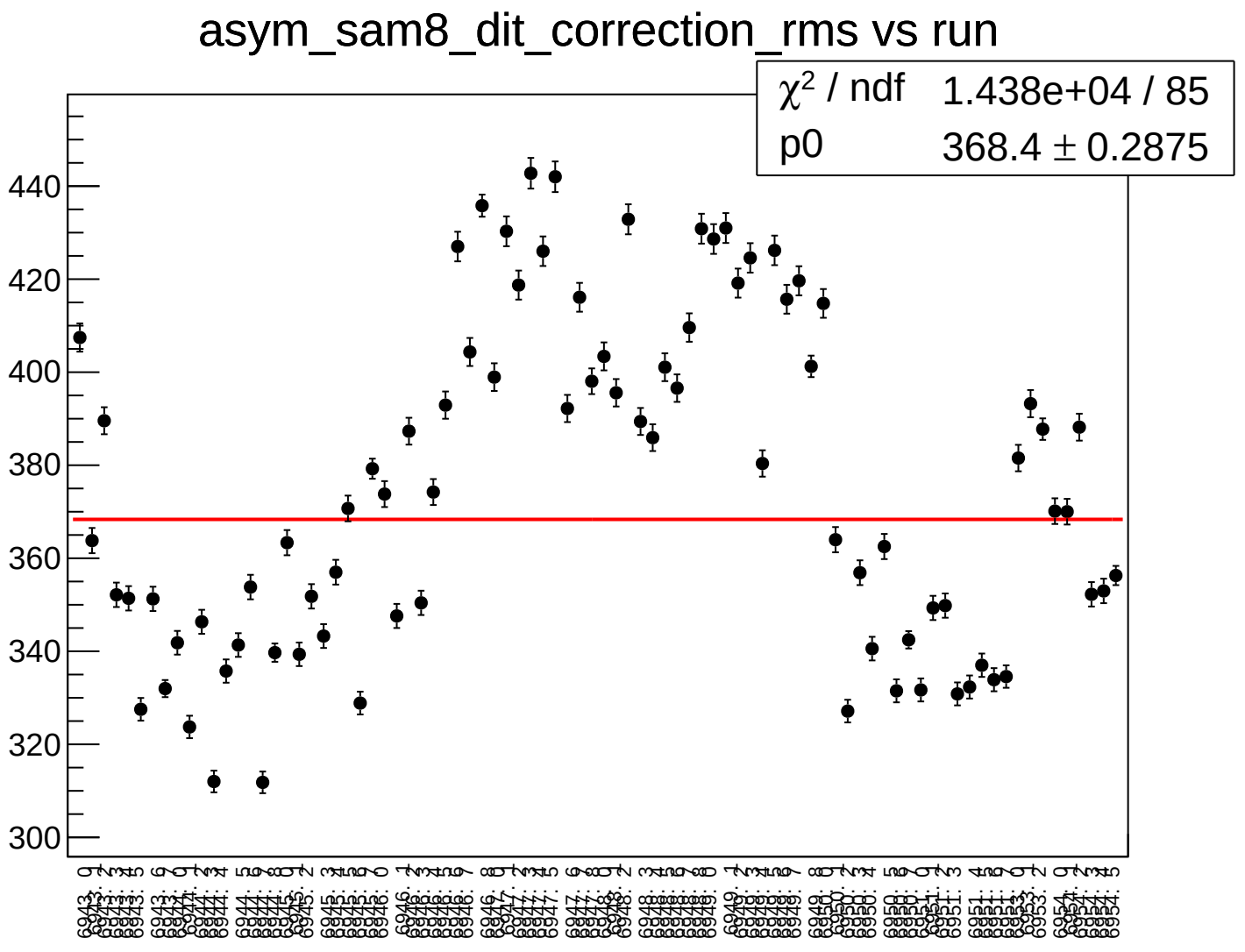

asym_sam8_eigen_cor_correction_rms vs run
χ^2 / ndf 1.536e+04 / 85
p0 363.5 ± 0.2838
460
440
420
400
380
360
340
320
300

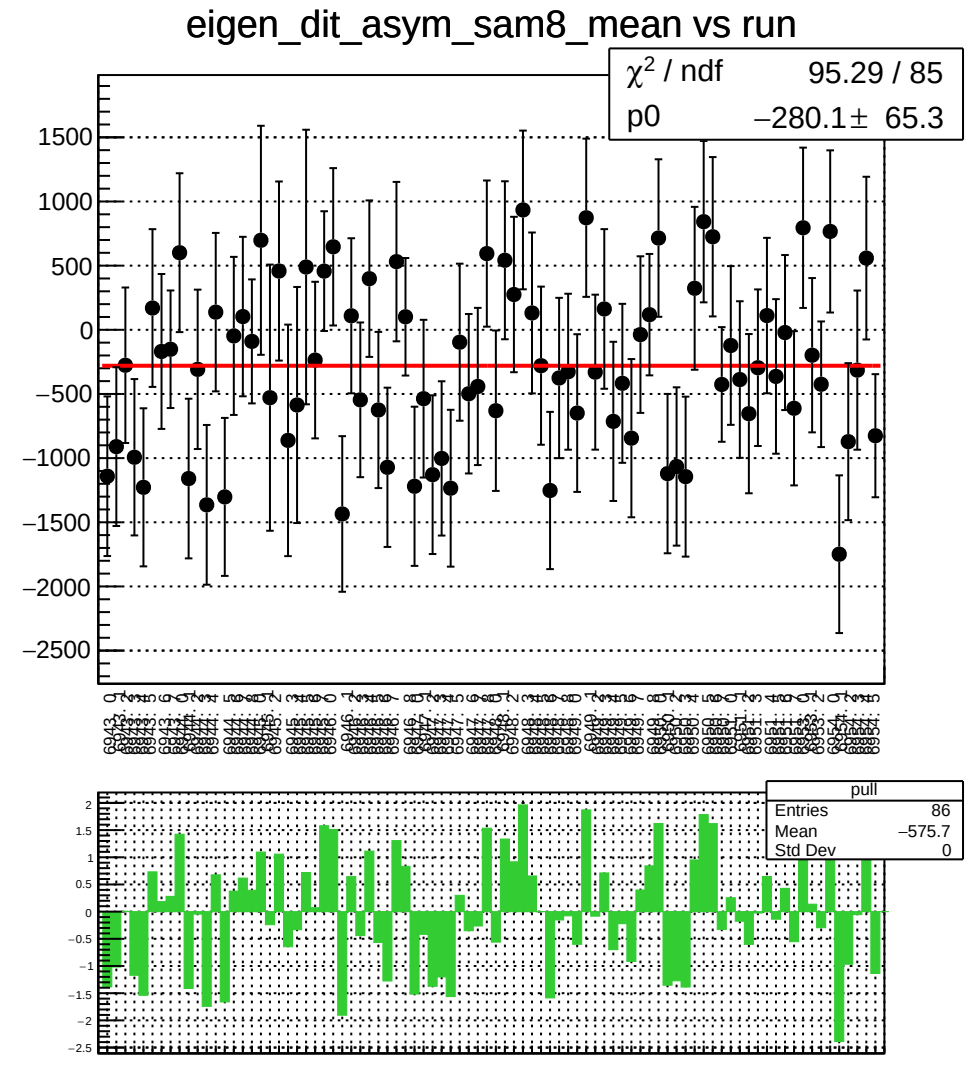

dit_asym_sam8_mean vs run
χ^2 / ndf 95.29 / 85
p0 −280.1± 65.3
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 86
Mean −575.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

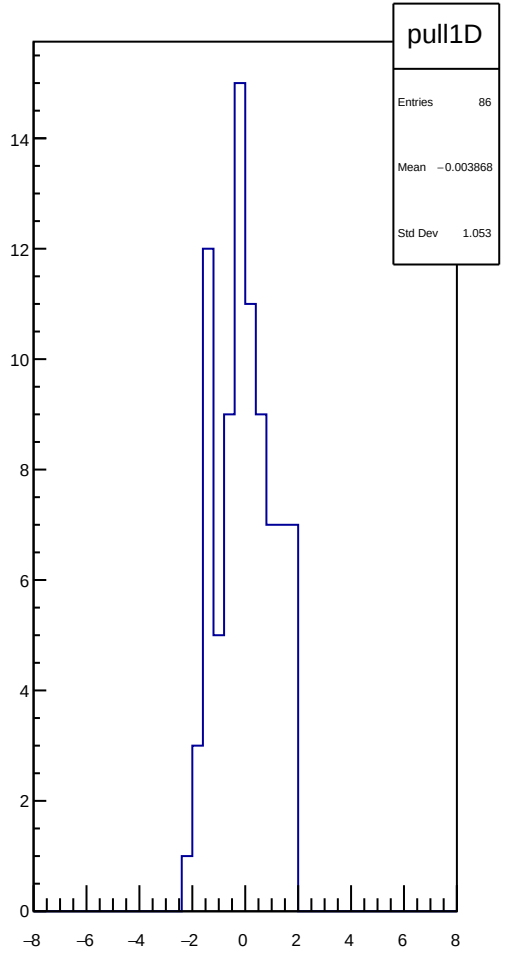

pull1D
Entries 86
Mean −0.003868
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

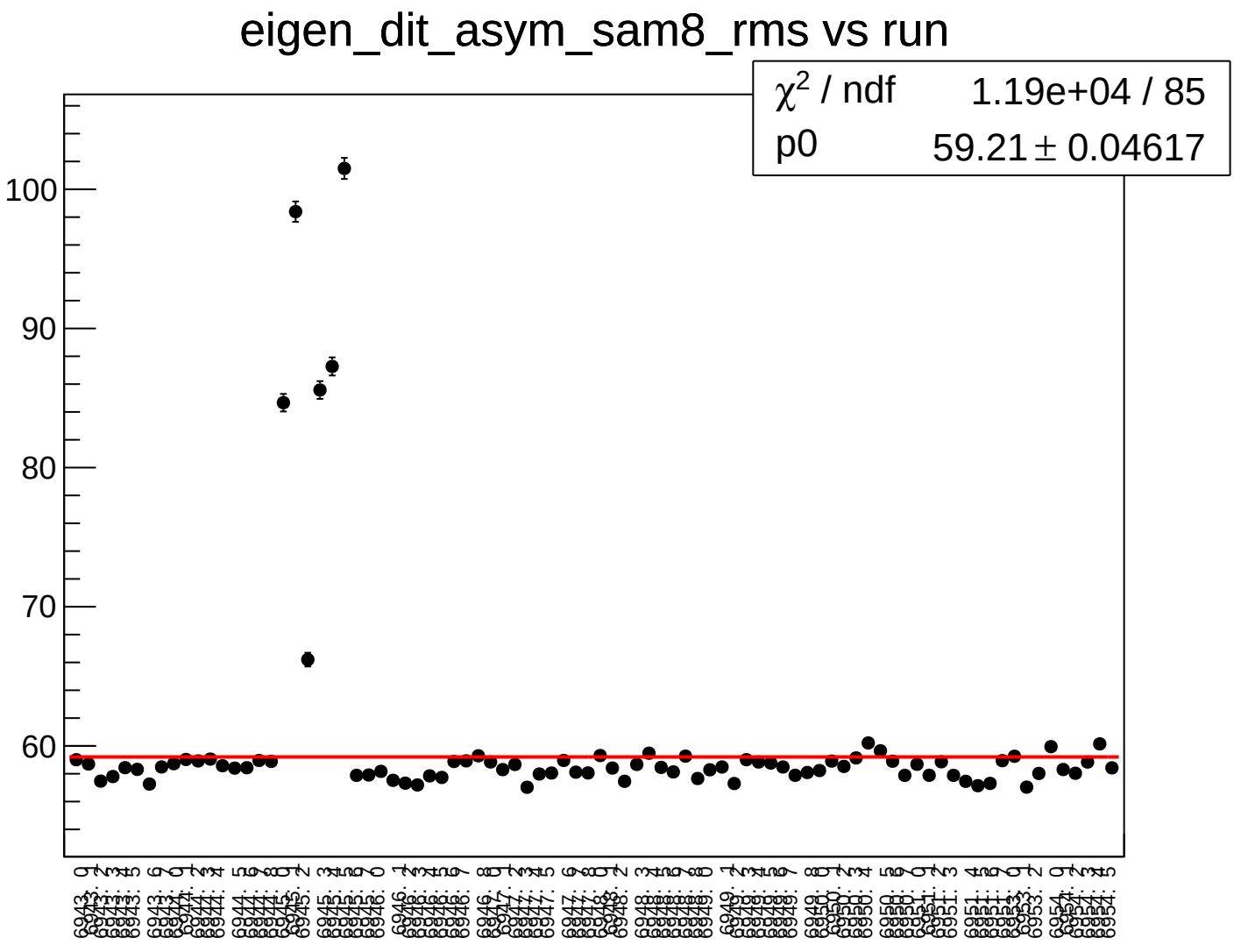

dit_asym_sam8_rms vs run
χ^2 / ndf 1.19e+04 / 85
p0 59.21 ± 0.04617
100
90
80
70
60

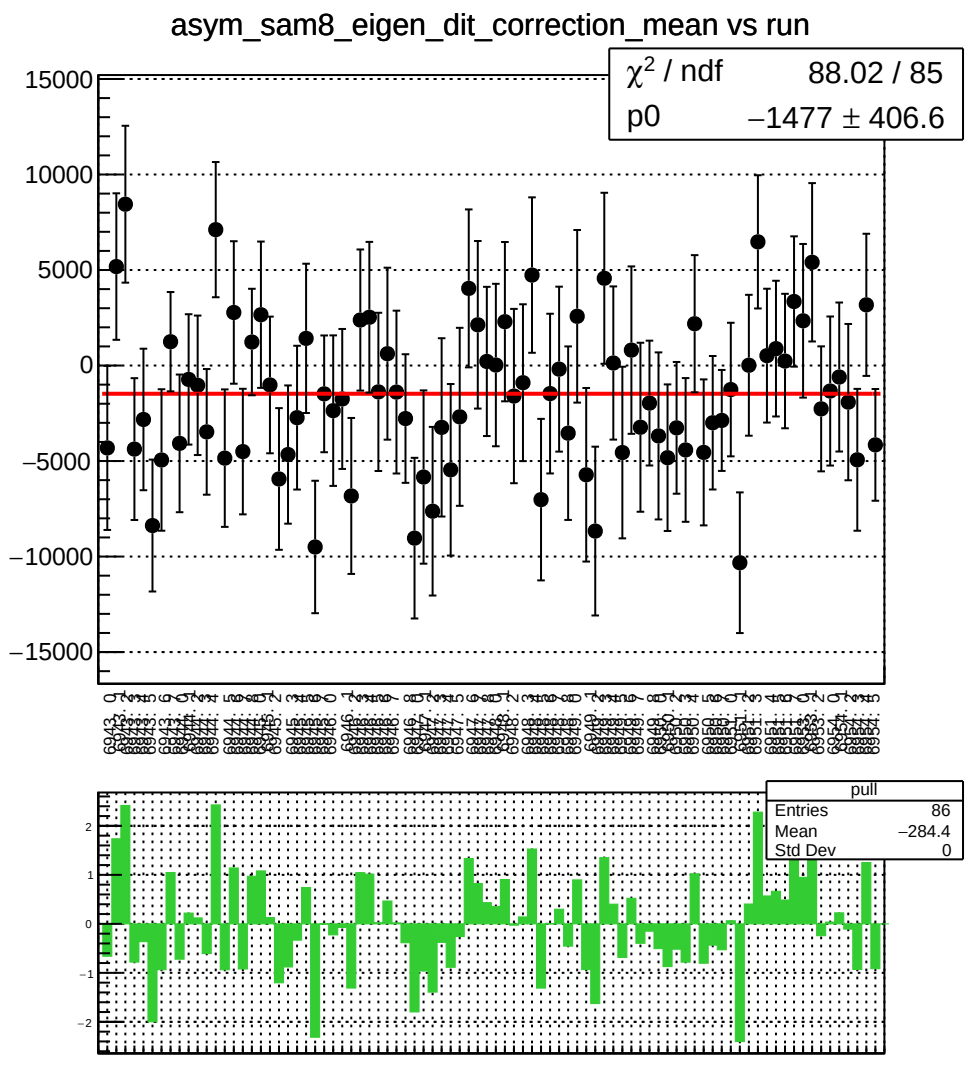

asym_sam8_dit_correction_mean vs run
χ² / ndf 88.02 / 85
p0 −1477 ± 406.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −284.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.003846
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

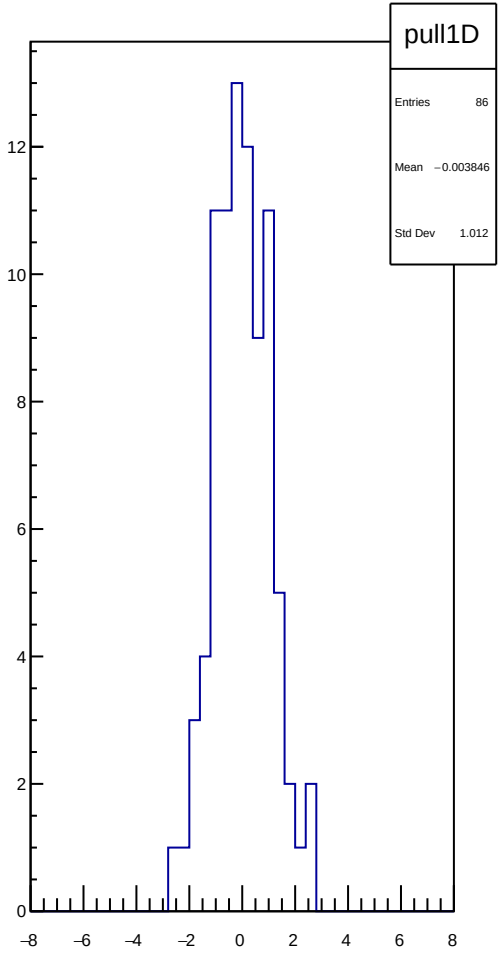

asym_sam8_dit_correction_rms vs run
χ² / ndf 1.438e+04 / 85
p0 368.4 ± 0.2875
440
420
400
380
360
340
320
300

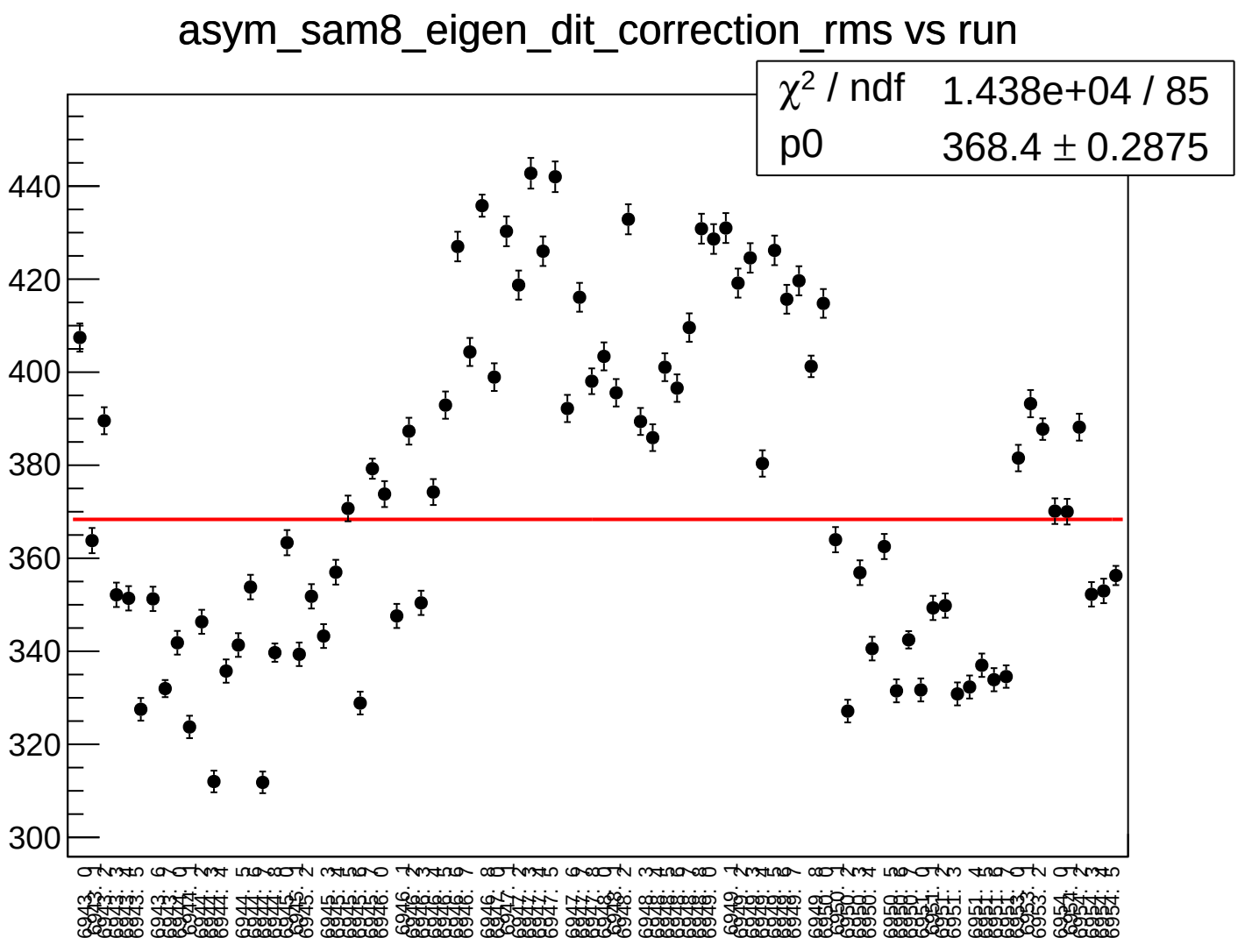

eigen_dit_asym_sam8_mean vs run
χ² / ndf 95.29 / 85
p0 −280.1± 65.3
pull
Entries 86
Mean −575.7
Std Dev 0

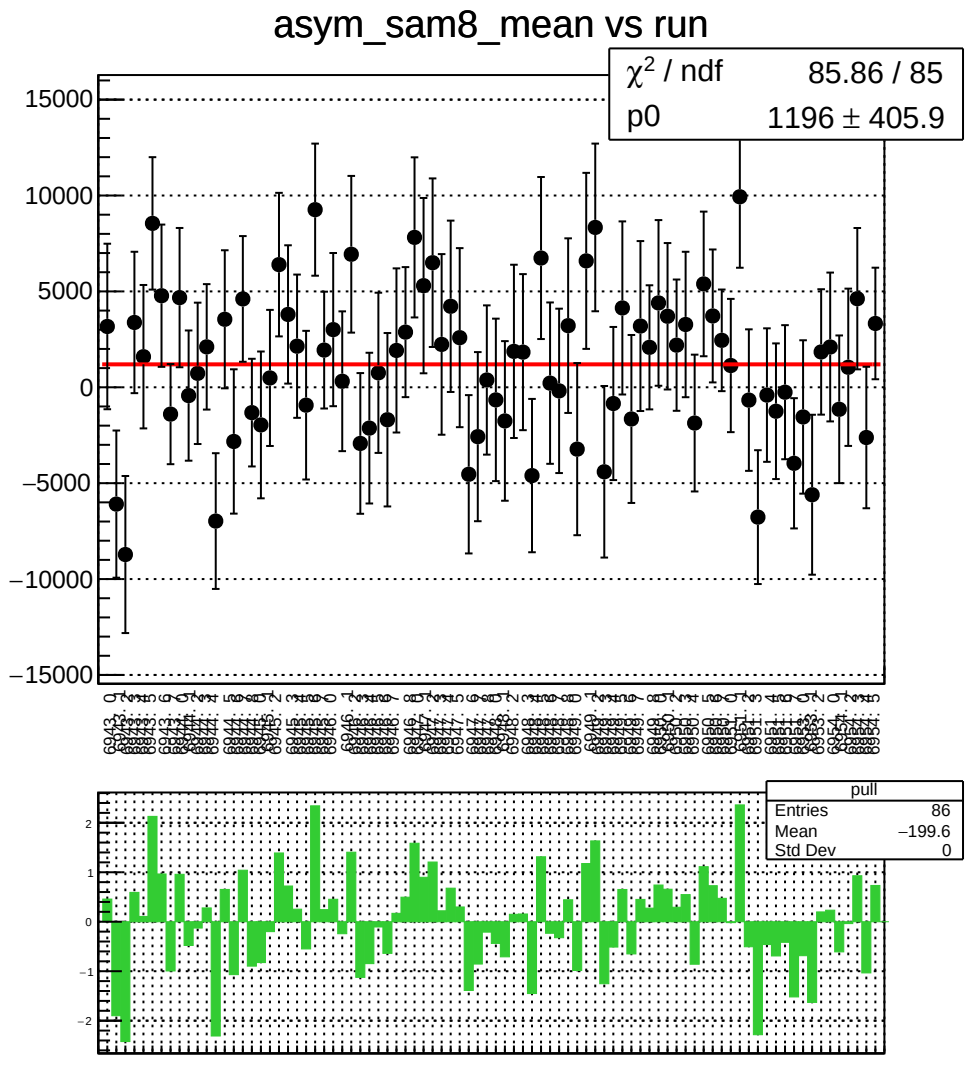

pull1D
Entries 86
Mean −0.003868
Std Dev 1.053

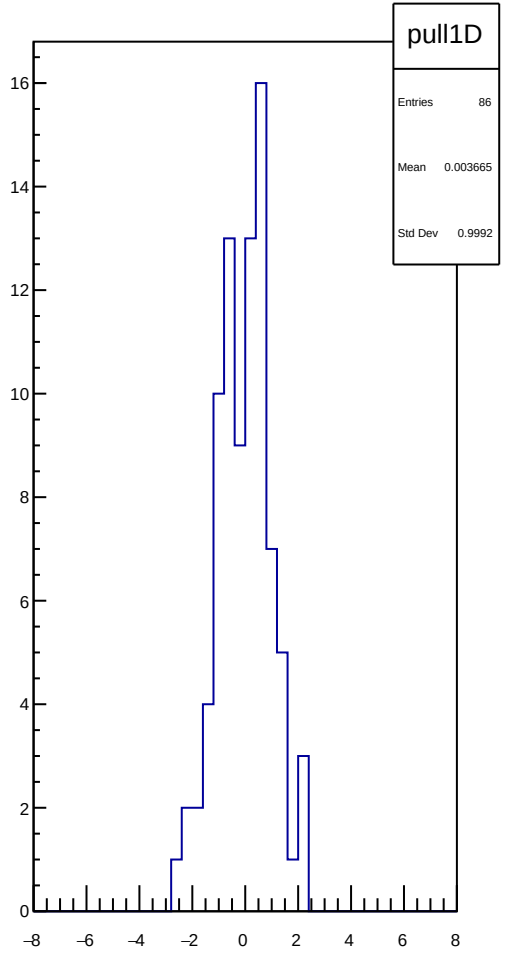

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 1.19e+04 / 85
p0 59.21 ± 0.04617
100
90
80
70
60

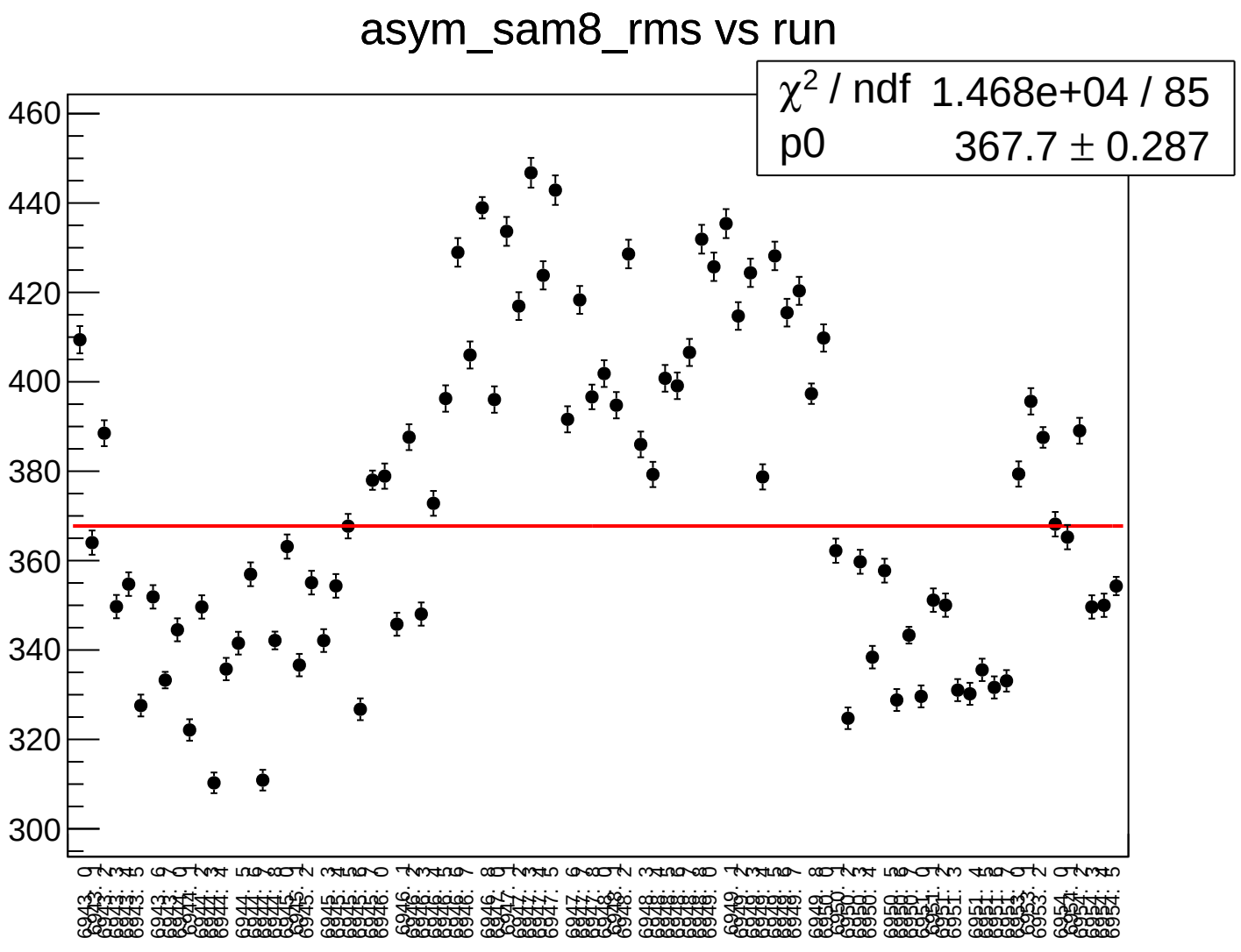

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 88.02 / 85
p0 −1477 ± 406.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −284.4
Std Dev 0
2
1
0
−1
−2

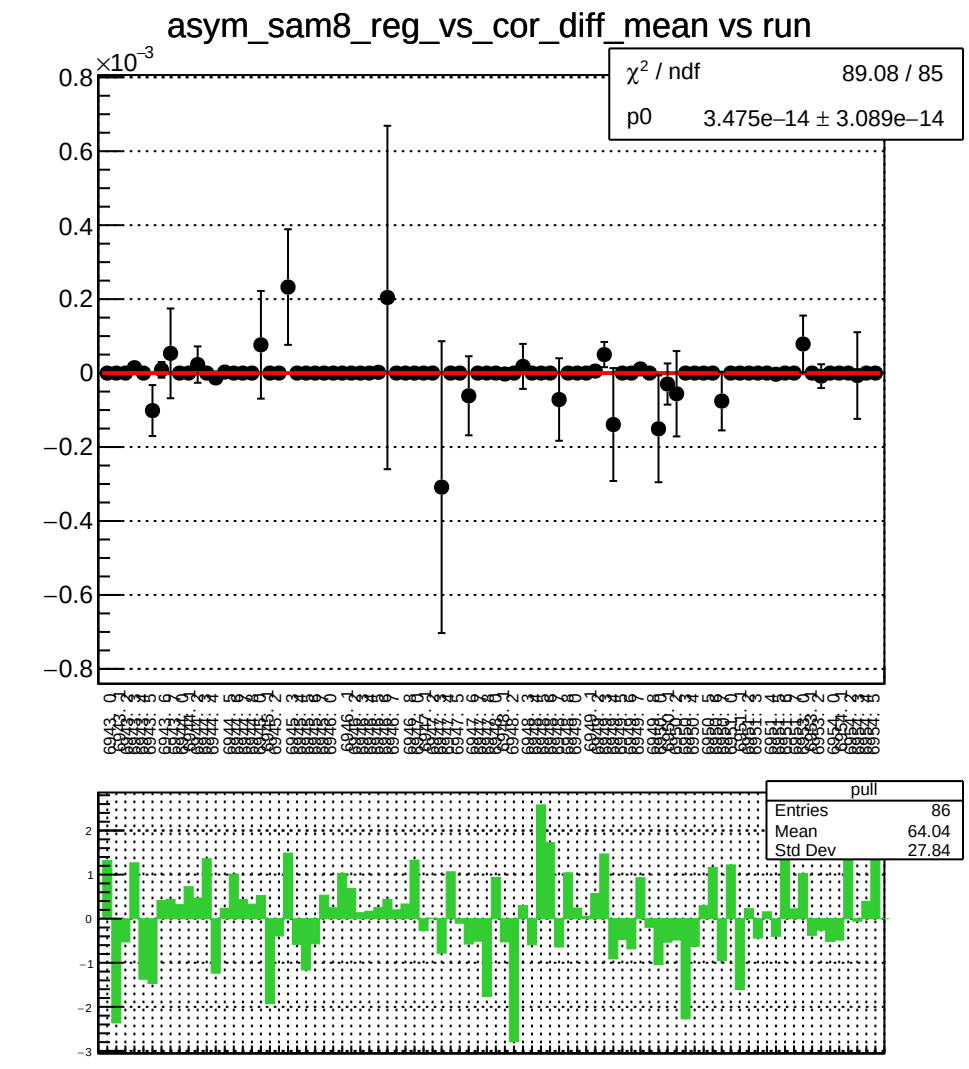

pull1D
Entries 86
Mean −0.003846
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

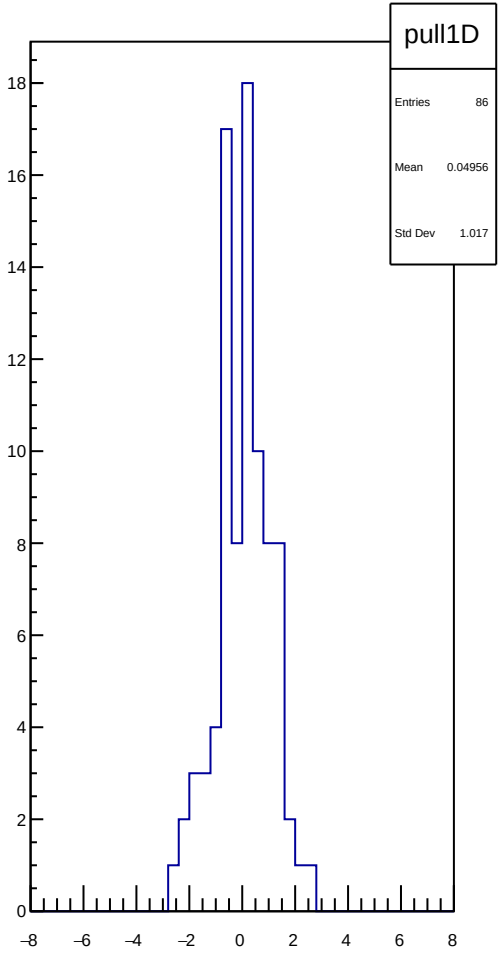

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 1.438e+04 / 85
p0 368.4 ± 0.2875
440
420
400
380
360
340
320
300

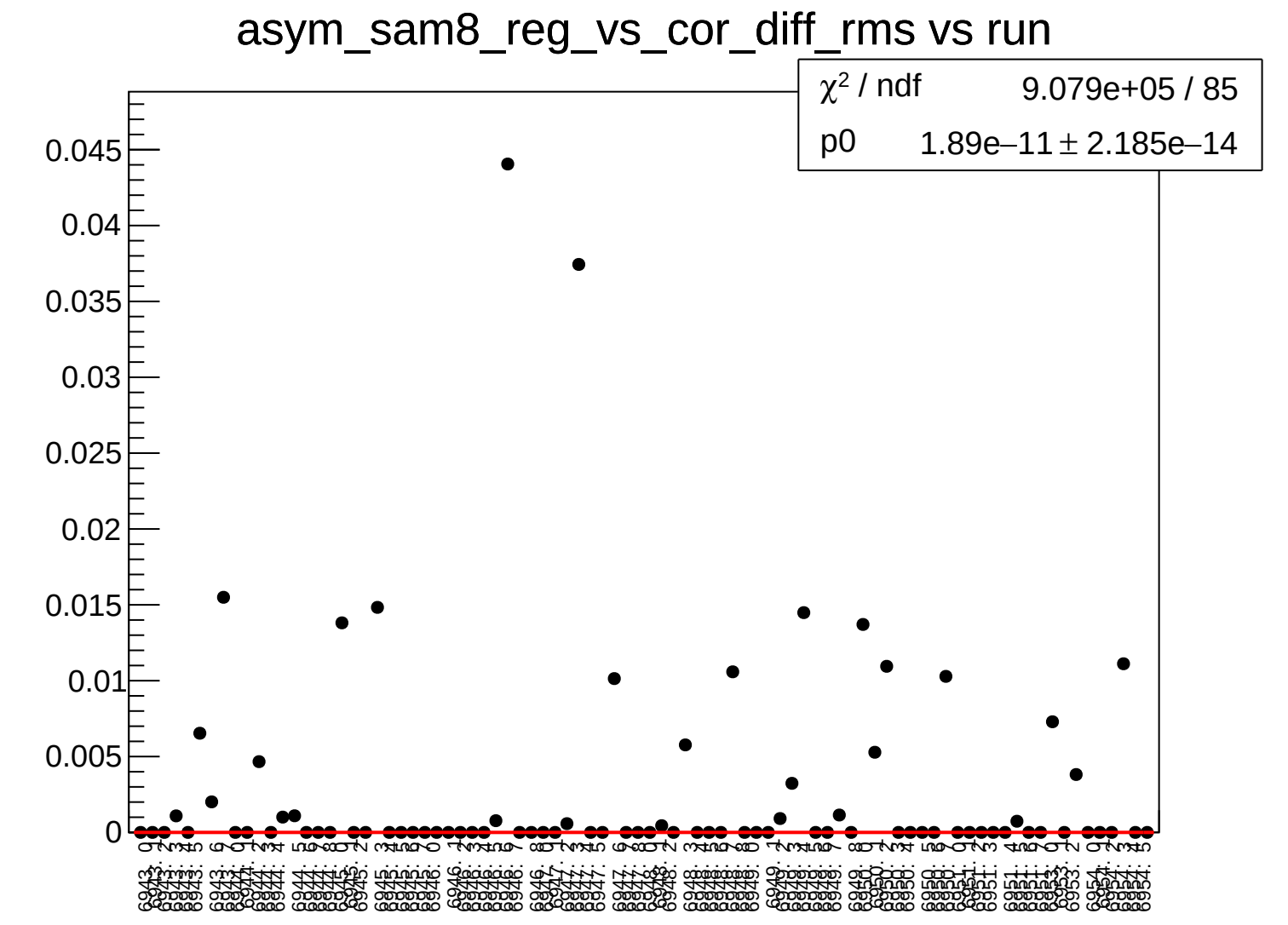

asym_sam8_mean vs run
χ² / ndf 85.86 / 85
p0 1196 ± 405.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −199.6
Std Dev 0
2
1
0
−1
−2

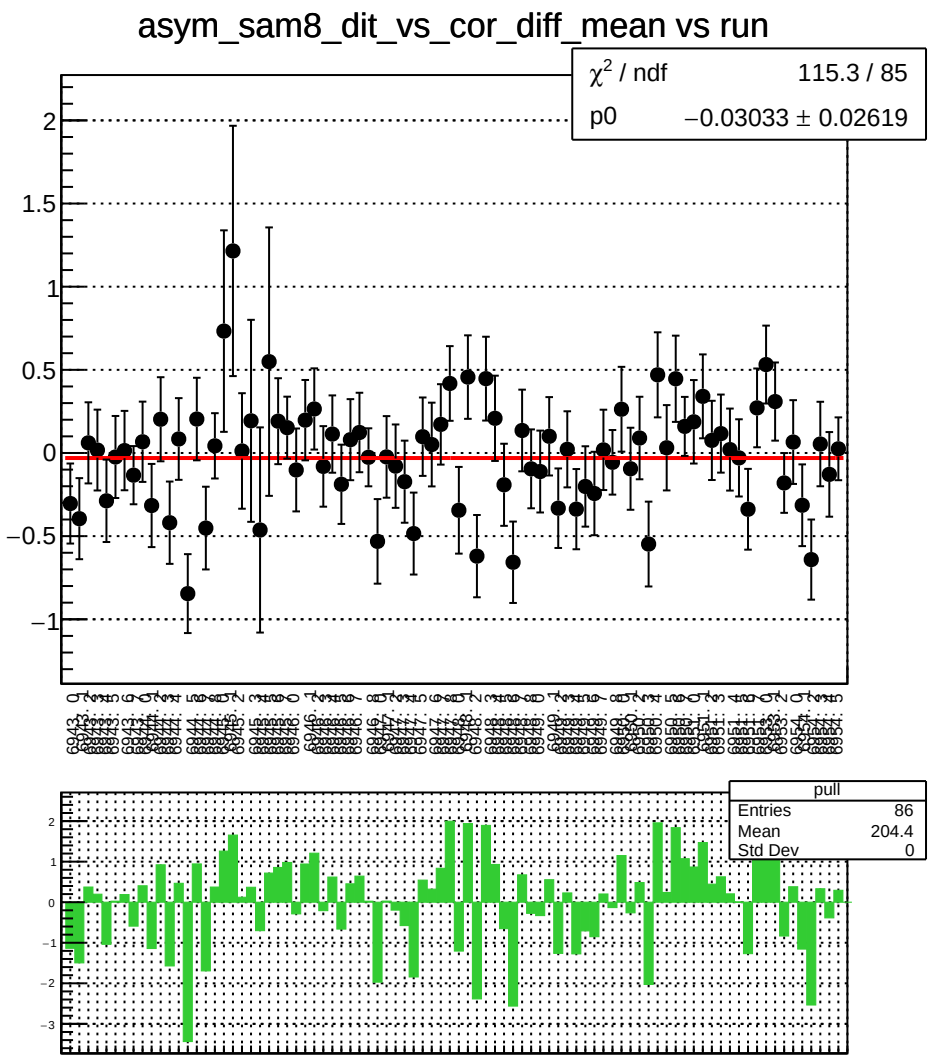

pull1D
Entries 86
Mean 0.003665
Std Dev 0.9992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

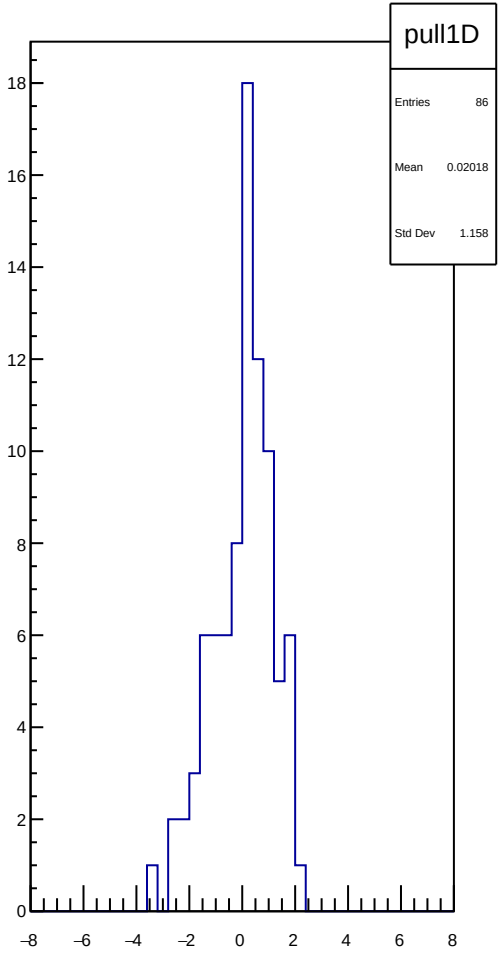

asym_sam8_rms vs run
χ² / ndf 1.468e+04 / 85
p0 367.7 ± 0.287
460
440
420
400
380
360
340
320
300

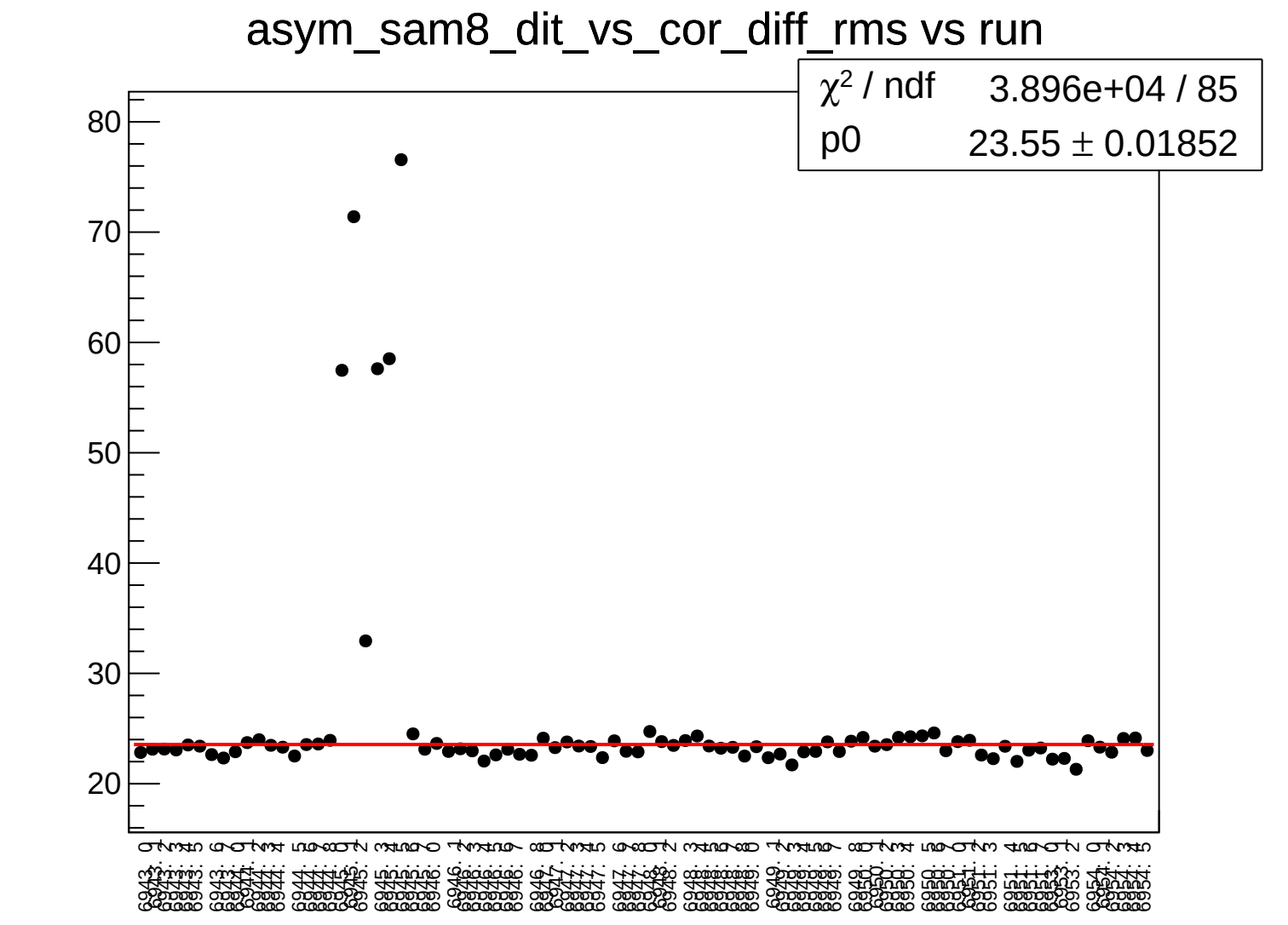

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 89.08 / 85
p0 3.475e−14 ± 3.089e−14
×10⁻³
pull
Entries 86
Mean 64.04
Std Dev 27.84

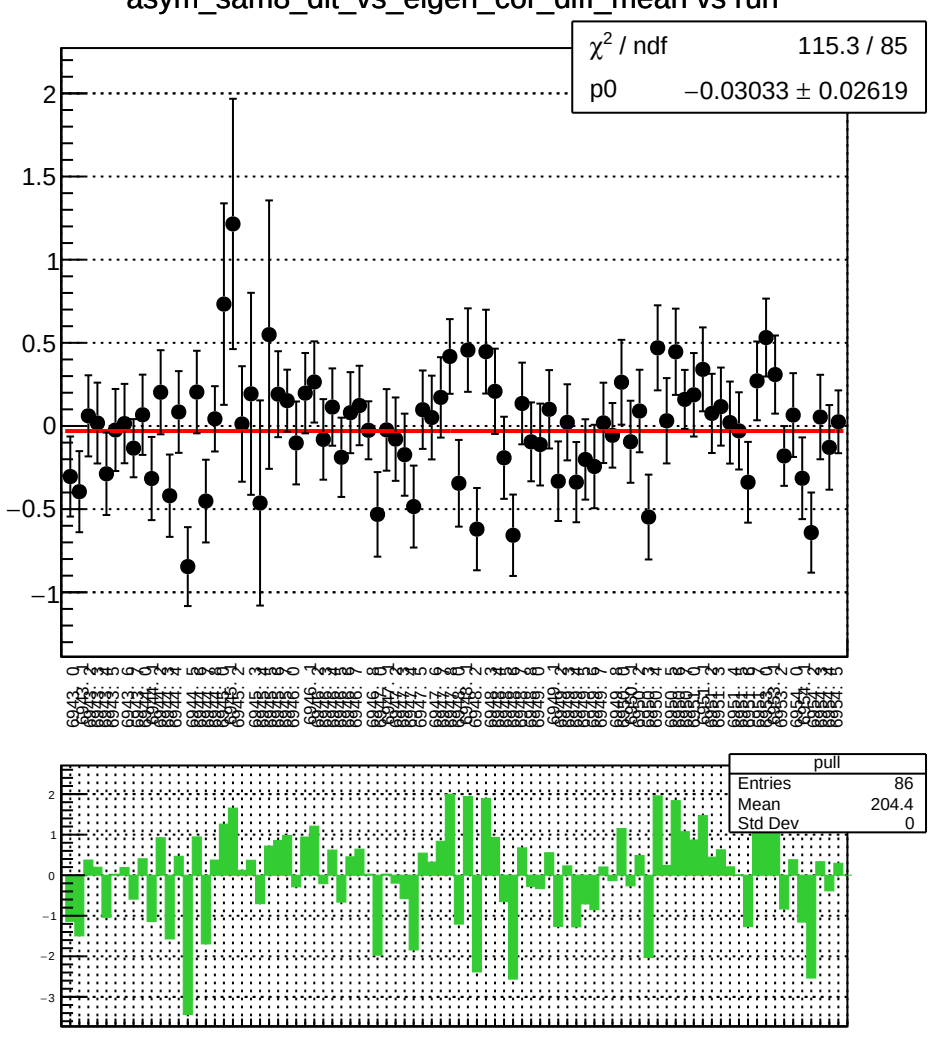

pull1D
Entries 86
Mean 0.04956
Std Dev 1.017

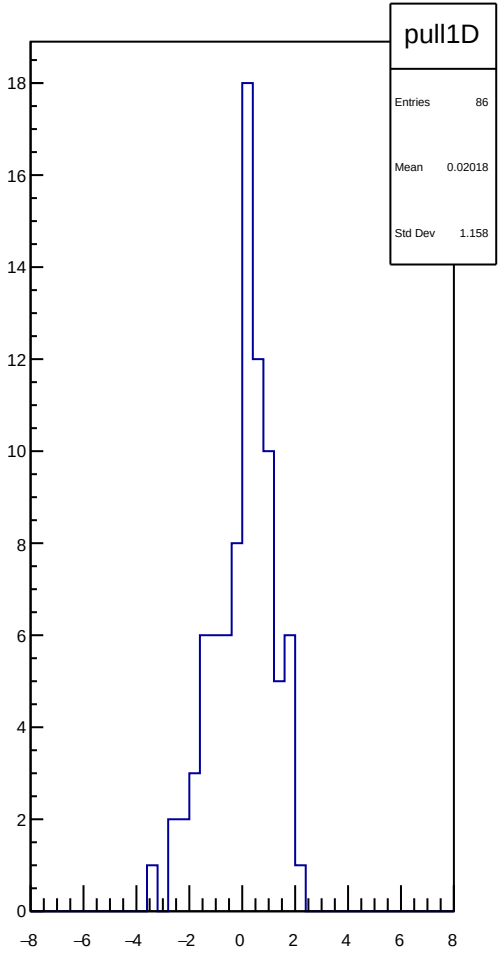

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 9.079e+05 / 85
p0 1.89e−11 ± 2.185e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

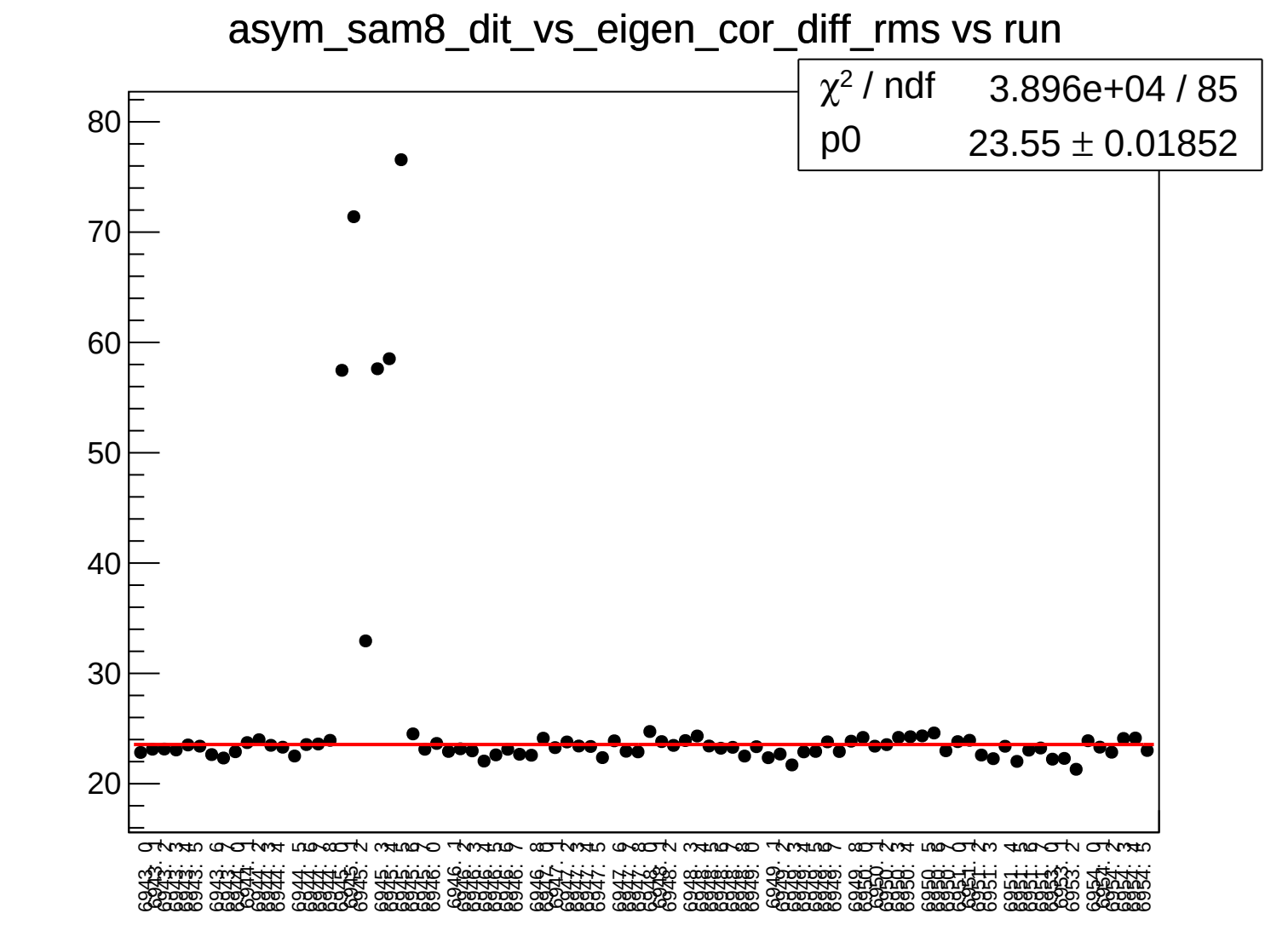

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 115.3 / 85
p0 −0.03033 ± 0.02619
pull
Entries 86
Mean 204.4
Std Dev 0

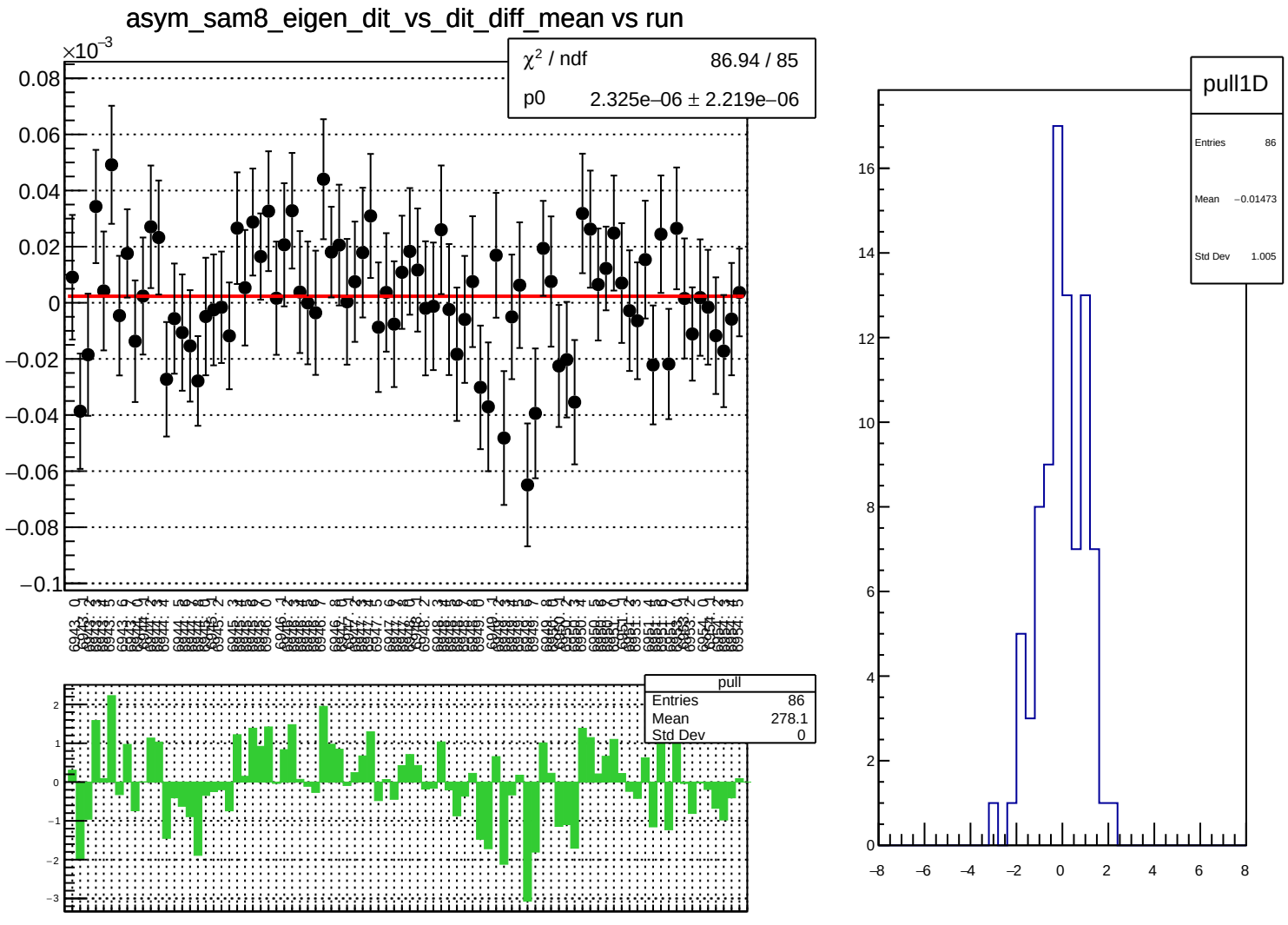

pull1D
Entries 86
Mean 0.02018
Std Dev 1.158

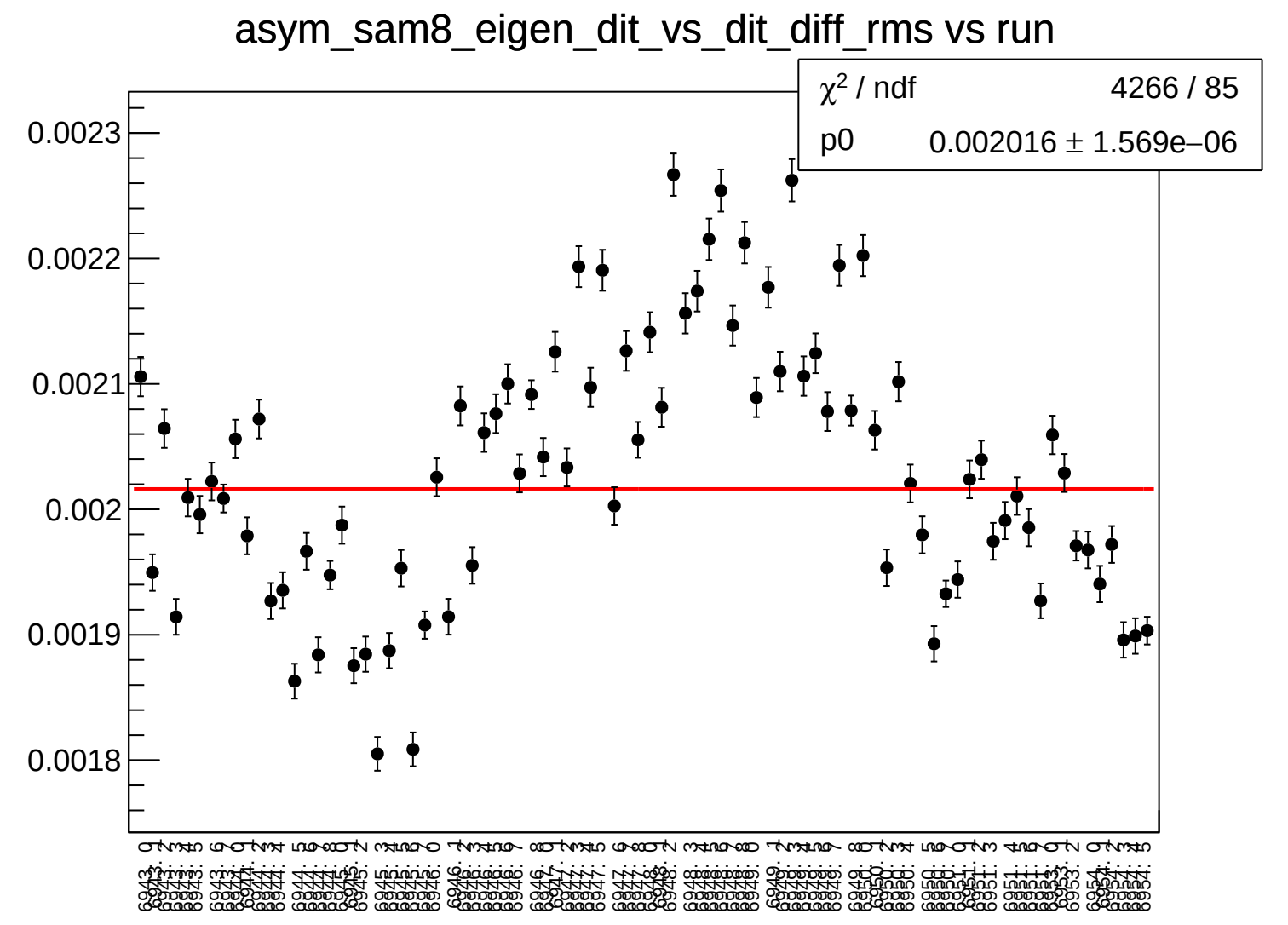

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 3.896e+04 / 85
p0 23.55 ± 0.01852
80
70
60
50
40
30
20

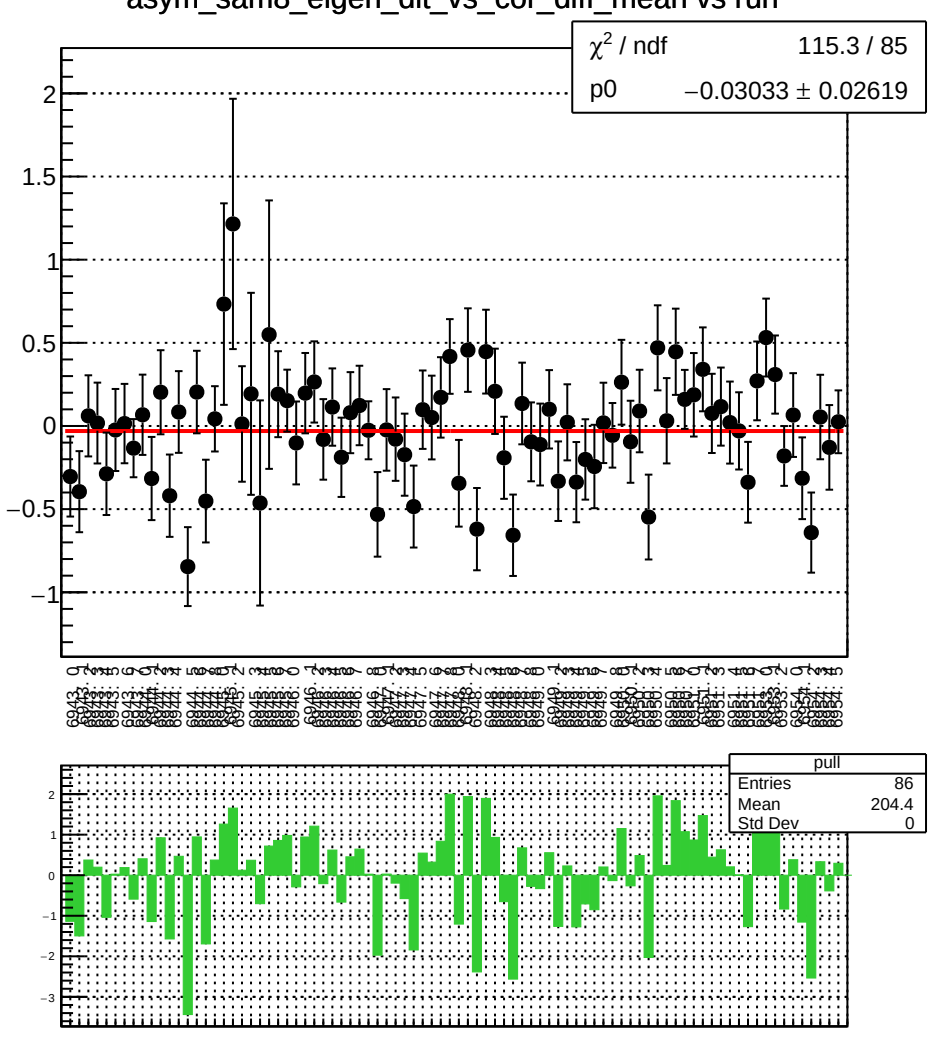

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.3 / 85
p0 −0.03033 ± 0.02619
pull
Entries 86
Mean 204.4
Std Dev 0

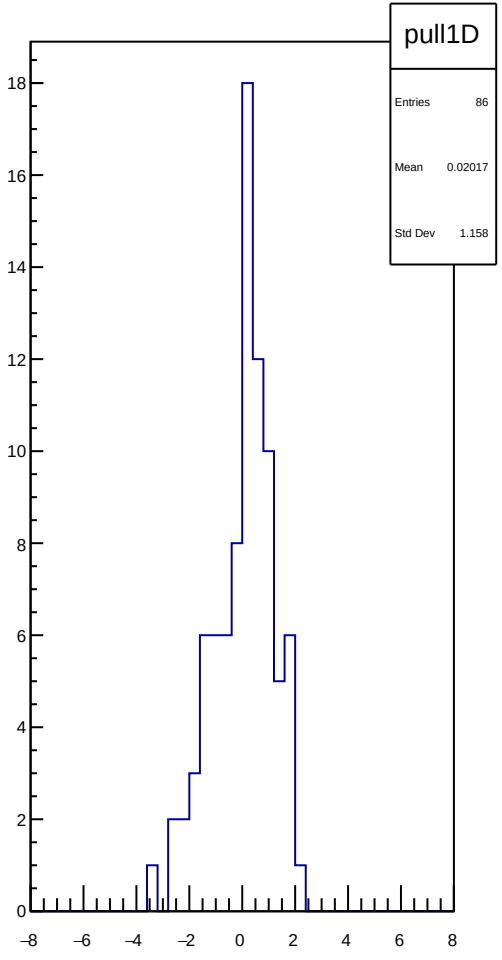

pull1D
Entries 86
Mean 0.02018
Std Dev 1.158

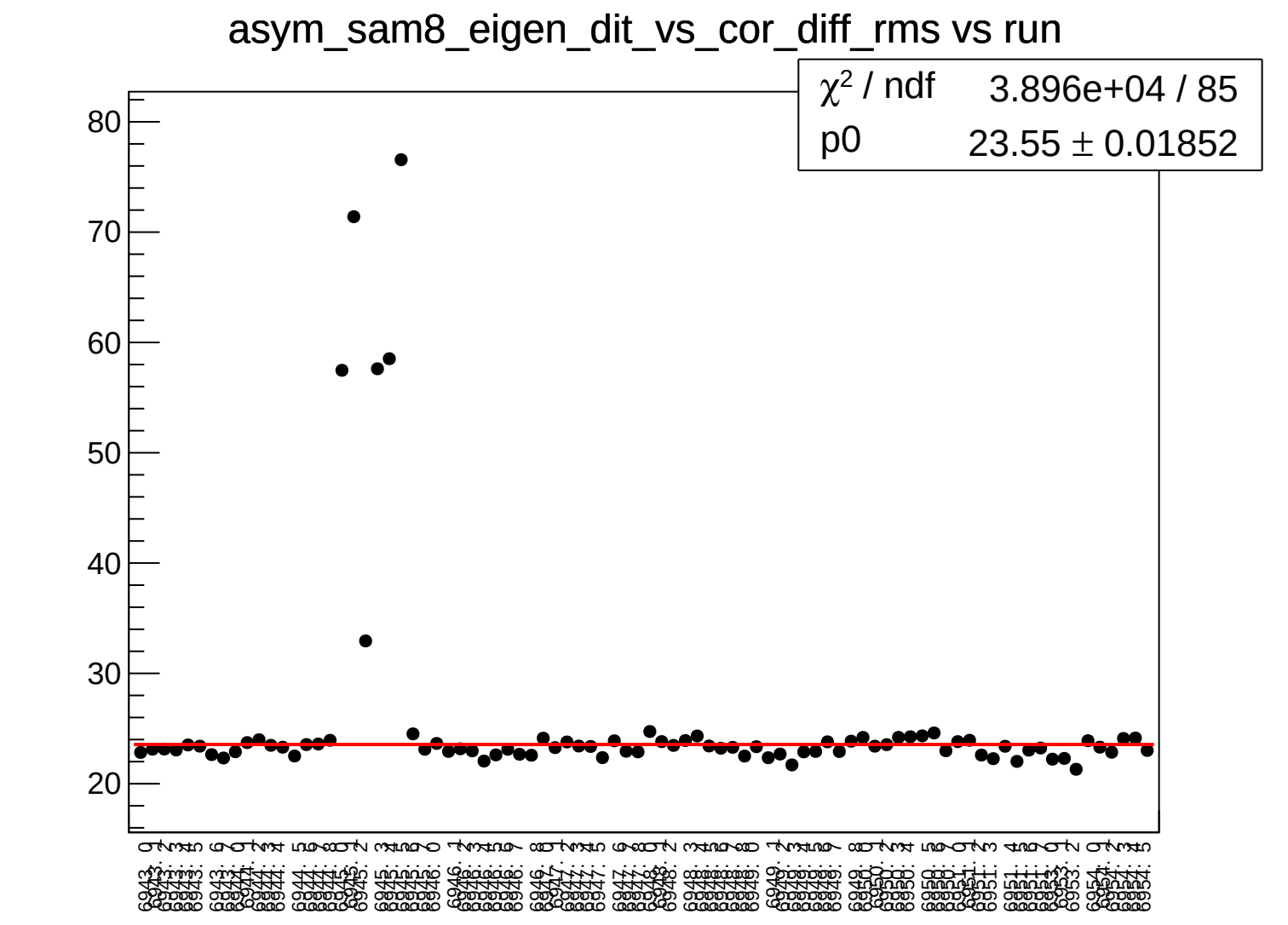

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.896e+04 / 85
p0 23.55 ± 0.01852
80
70
60
50
40
30
20

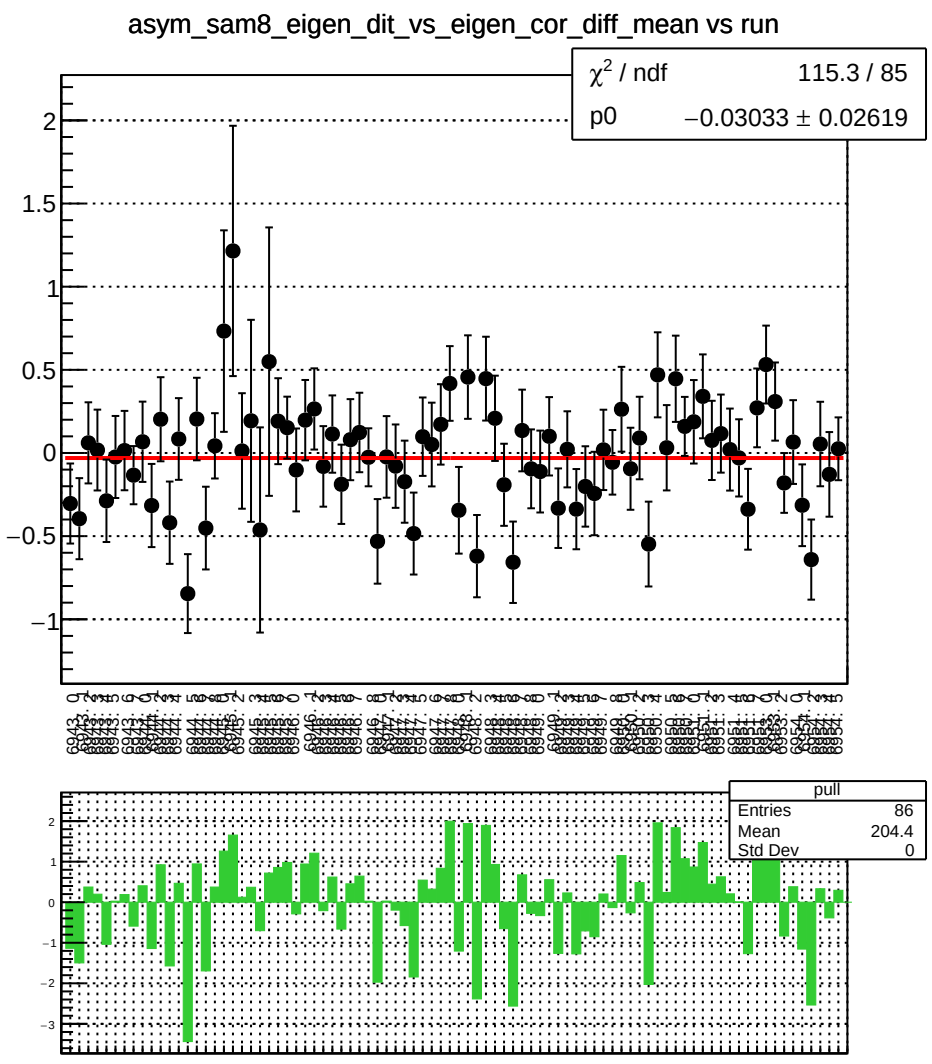

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.94 / 85
p0 2.325e−06 ± 2.219e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 86
Mean 278.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01473
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

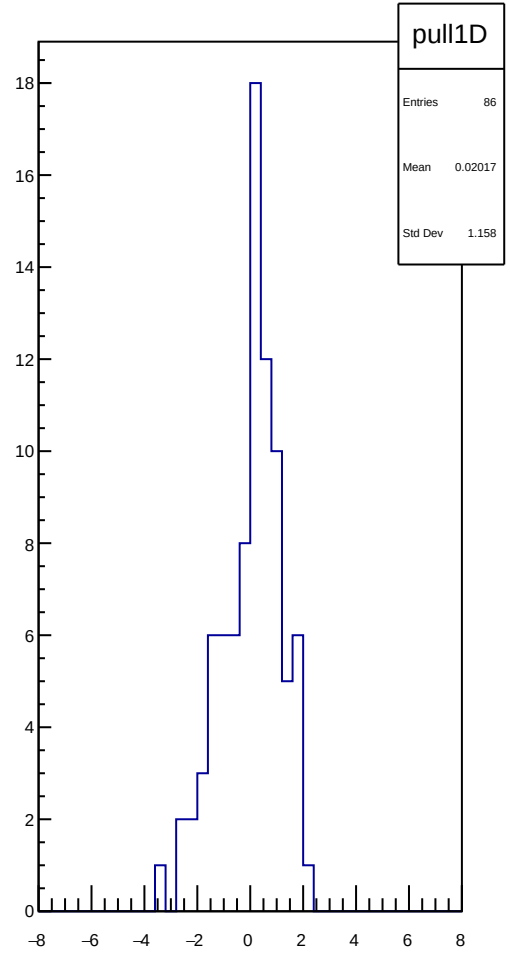

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4266 / 85
p0 0.002016 ± 1.569e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

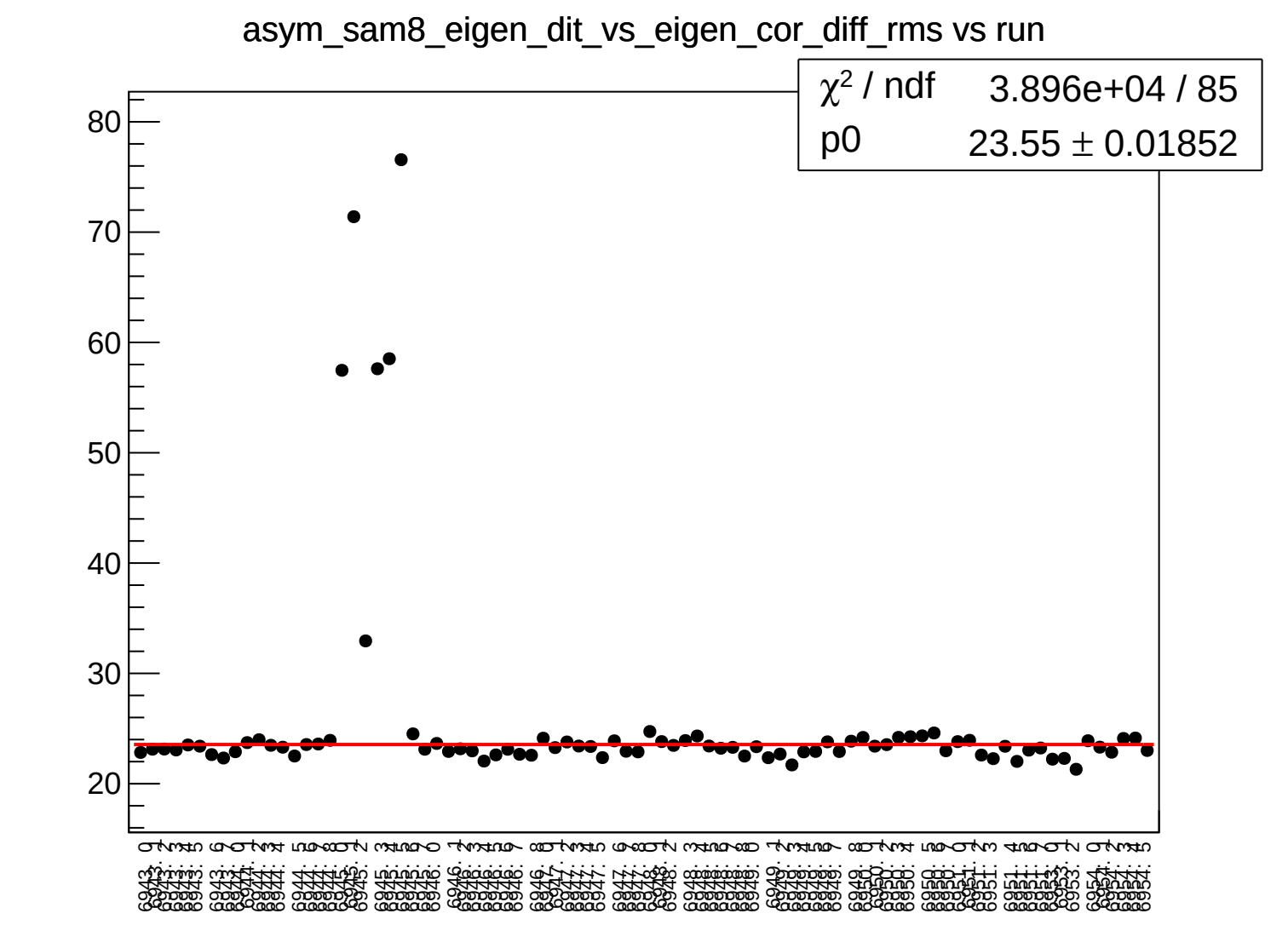

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 115.3 / 85
p0 −0.03033 ± 0.02619
pull
Entries 86
Mean 204.4
Std Dev 0

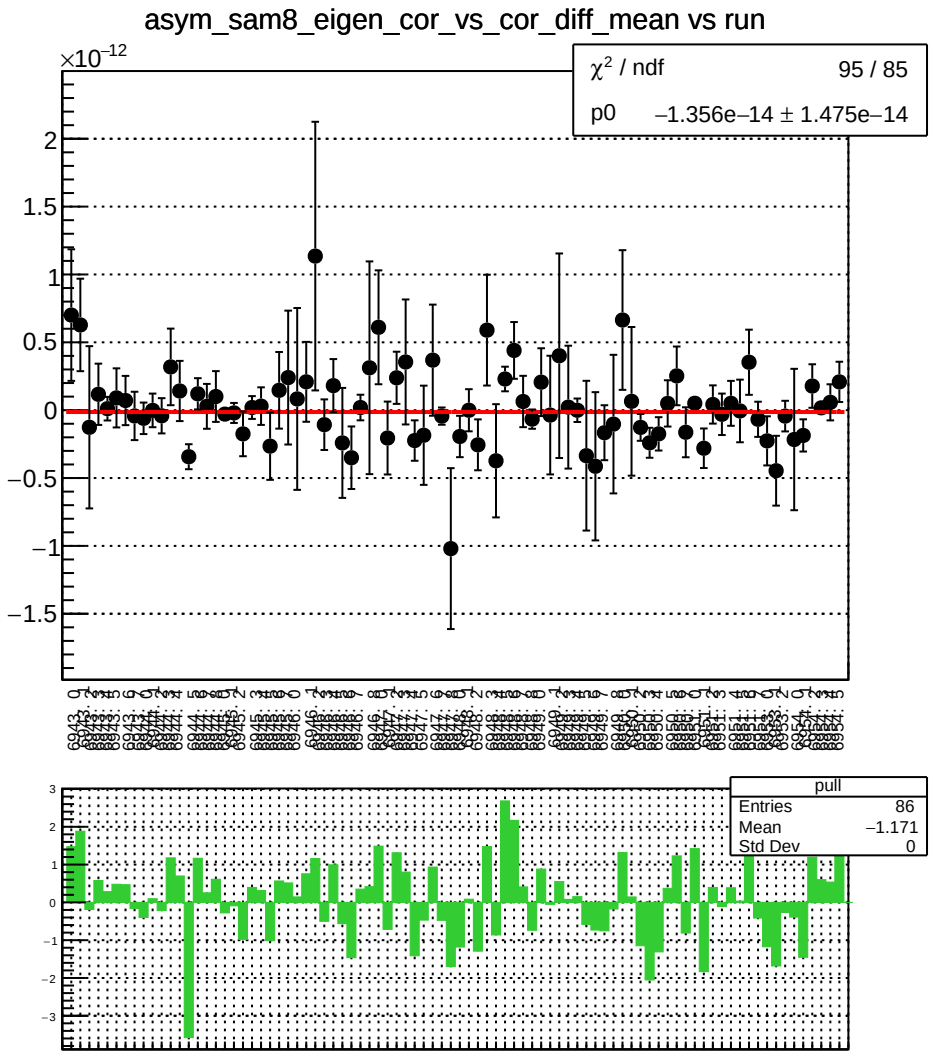

pull1D
Entries 86
Mean 0.02017
Std Dev 1.158

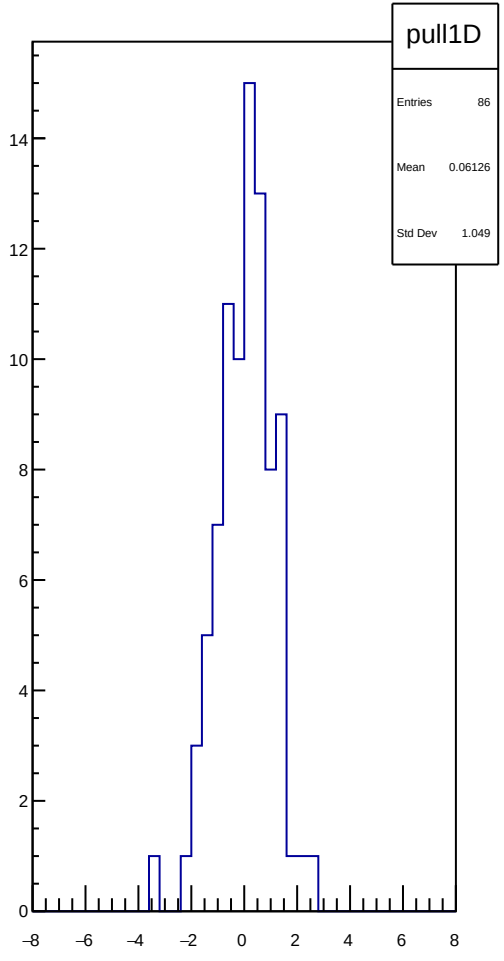

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.896e+04 / 85
p0 23.55 ± 0.01852
80
70
60
50
40
30
20

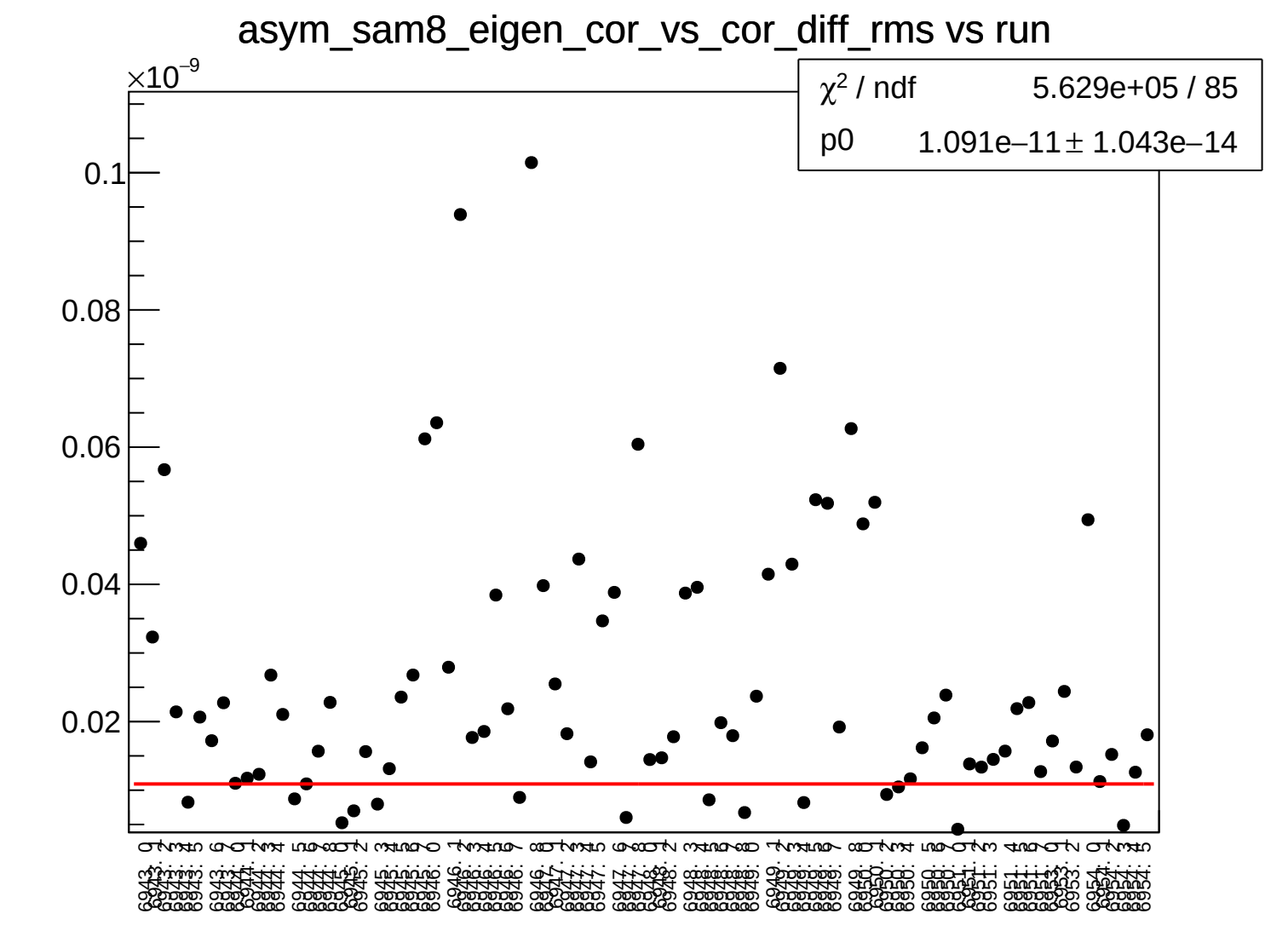

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.3 / 85
p0 −0.03033 ± 0.02619
pull
Entries 86
Mean 204.4
Std Dev 0

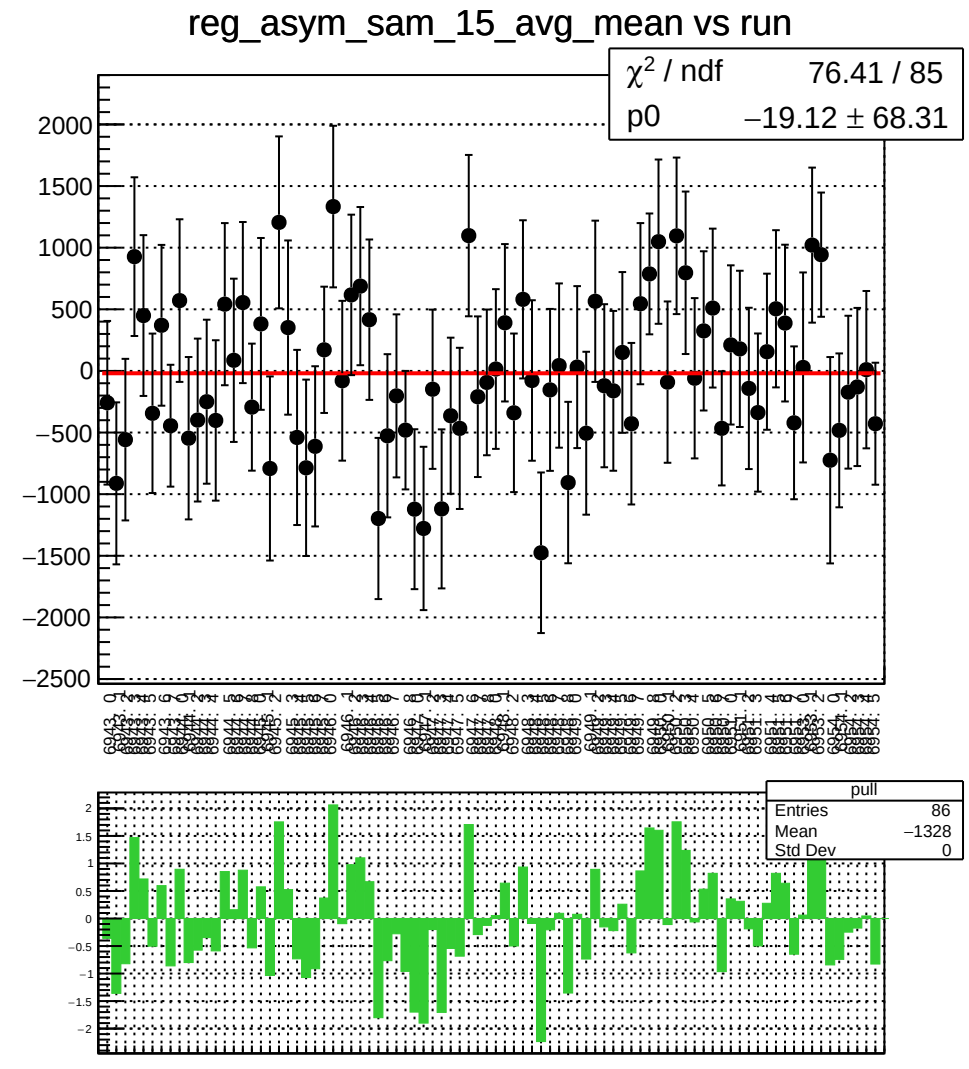

pull1D
Entries 86
Mean 0.02017
Std Dev 1.158

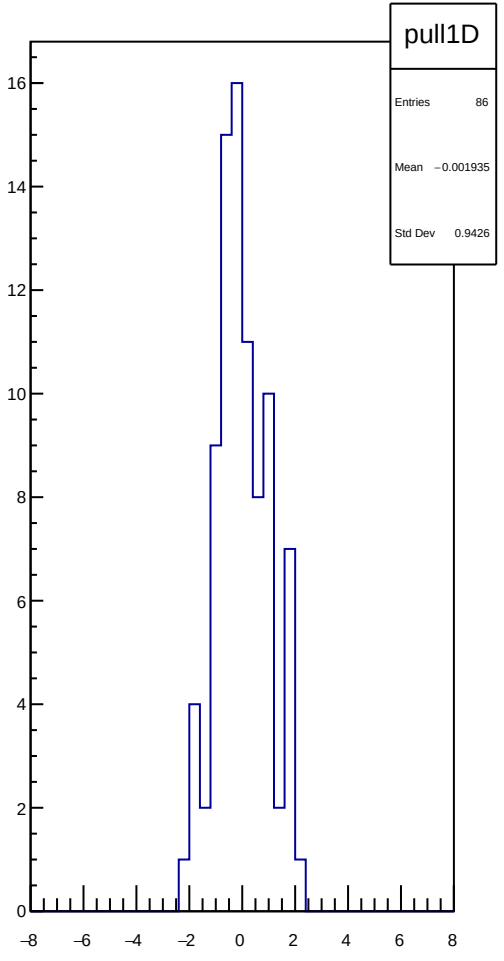

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.896e+04 / 85
p0 23.55 ± 0.01852
80
70
60
50
40
30
20

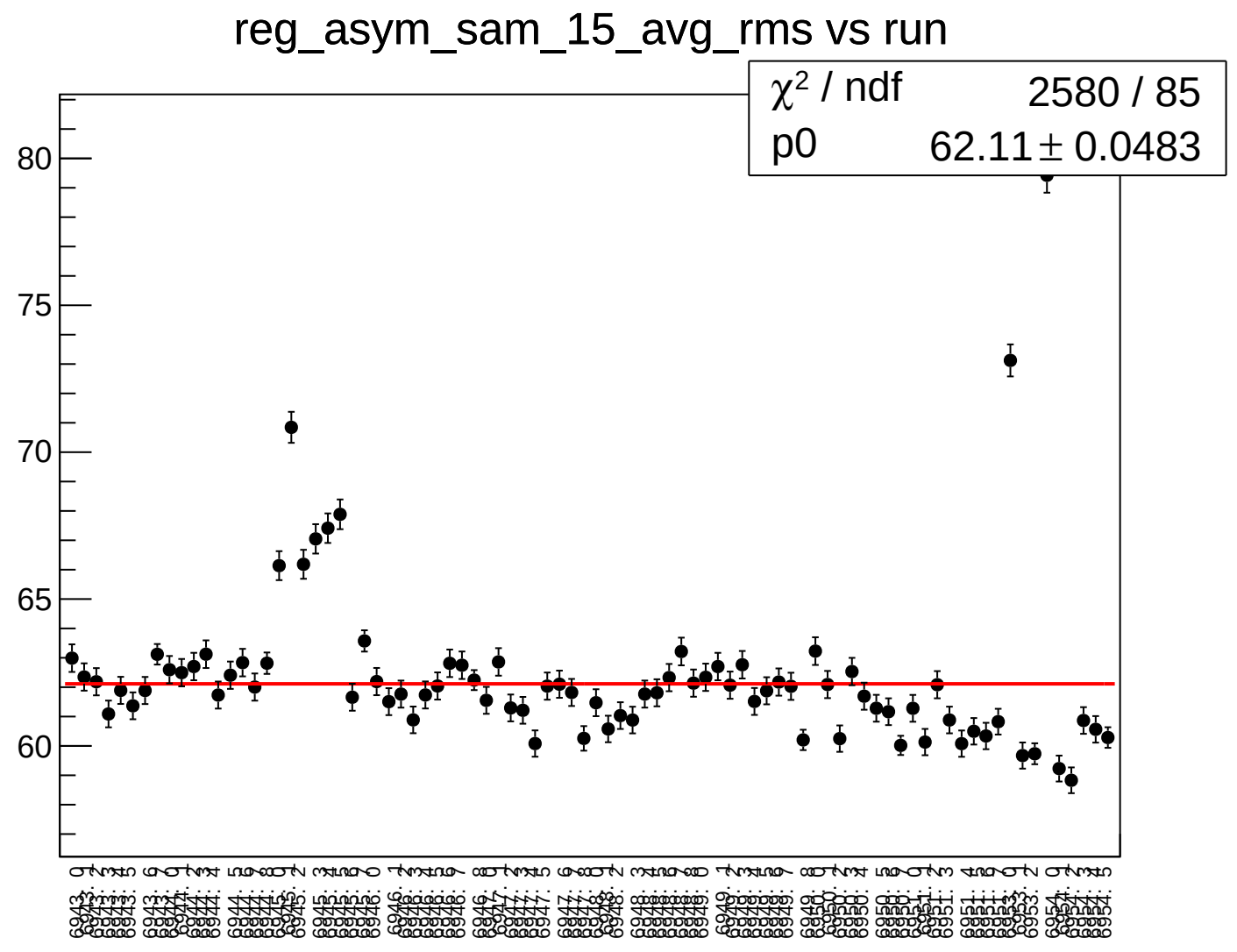

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95 / 85
p0 −1.356e−14 ± 1.475e−14
pull
Entries 86
Mean −1.171
Std Dev 0

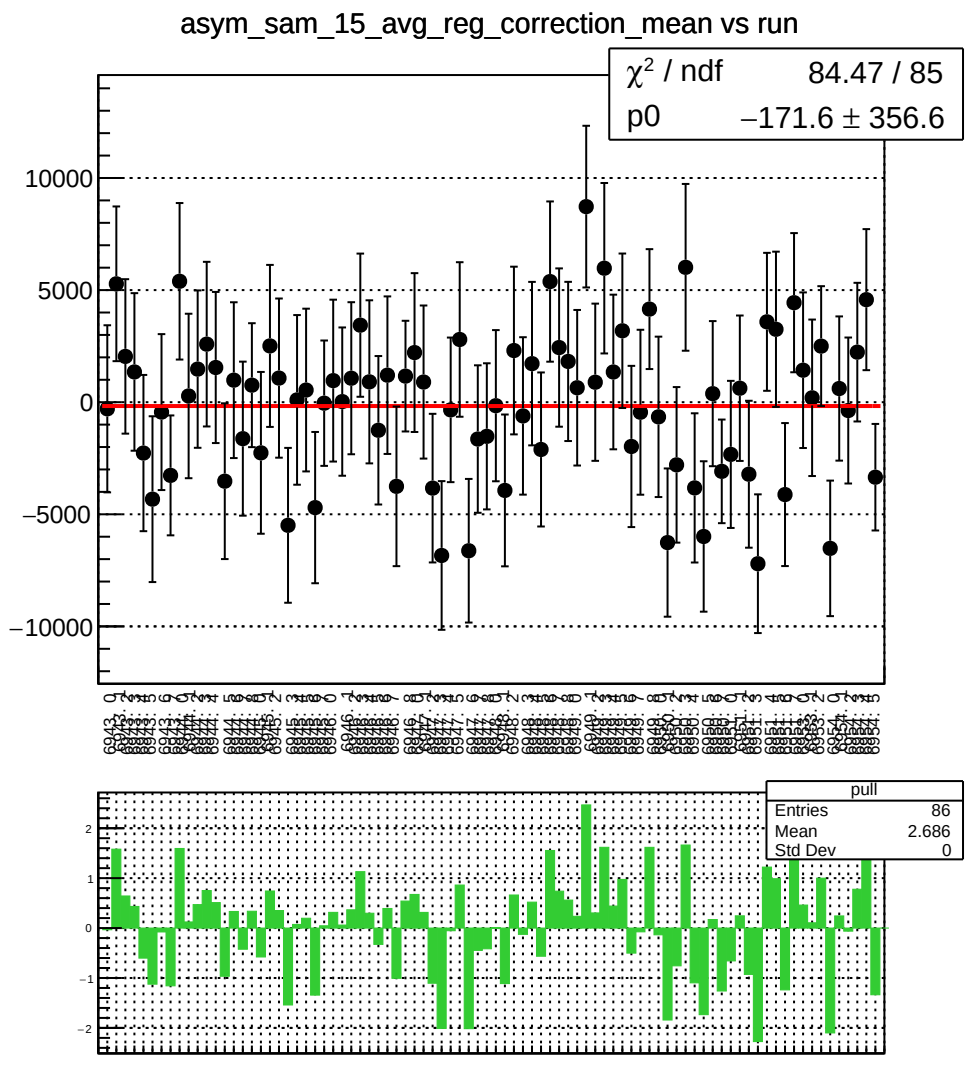

pull1D
Entries 86
Mean 0.06126
Std Dev 1.049

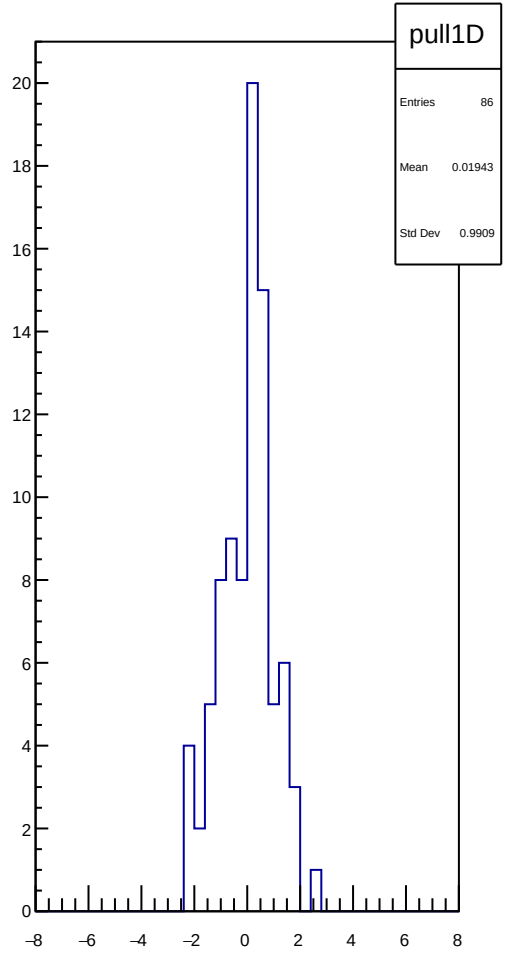

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.629e+05 / 85
p0 1.091e−11 ± 1.043e−14
0.1
0.08
0.06
0.04
0.02

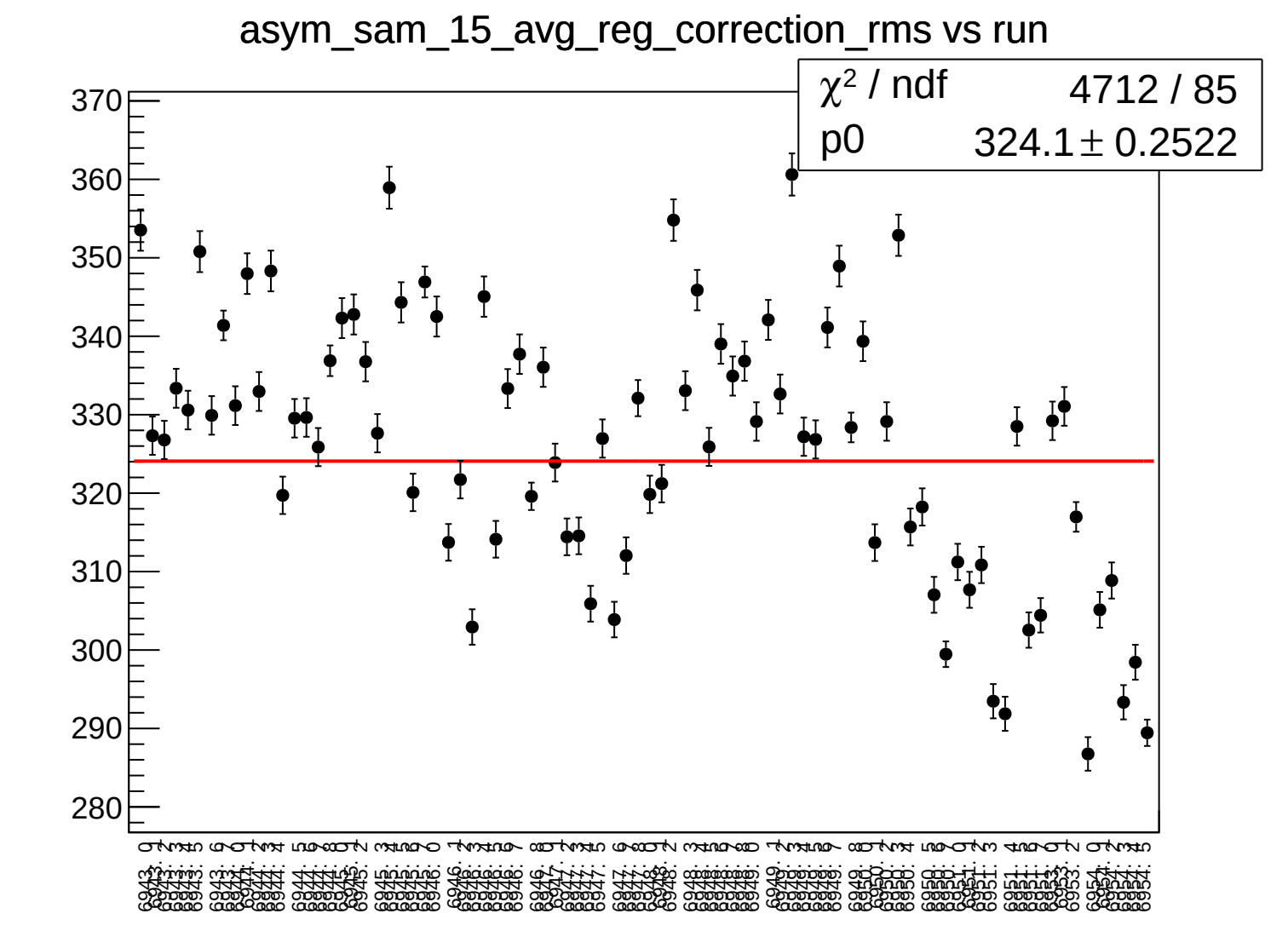

reg_asym_sam_15_avg_mean vs run
χ² / ndf 76.41 / 85
p0 −19.12 ± 68.31
pull
Entries 86
Mean −1328
Std Dev 0

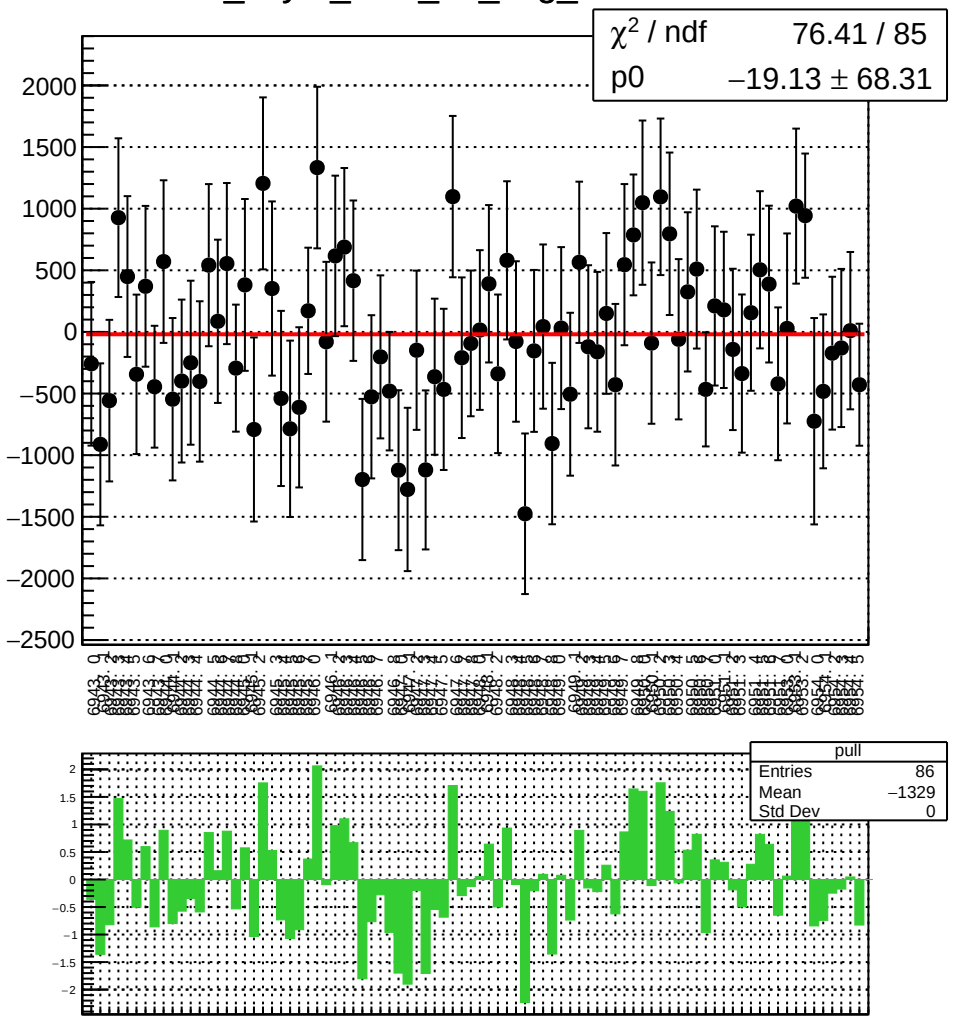

pull1D
Entries 86
Mean −0.001935
Std Dev 0.9426

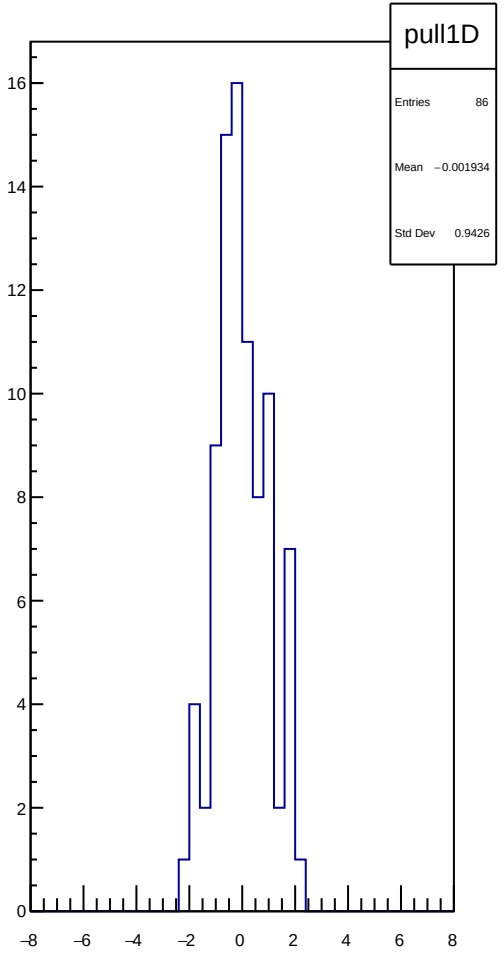

reg_asym_sam_15_avg_rms vs run
χ² / ndf 2580 / 85
p0 62.11 ± 0.0483
80
75
70
65
60

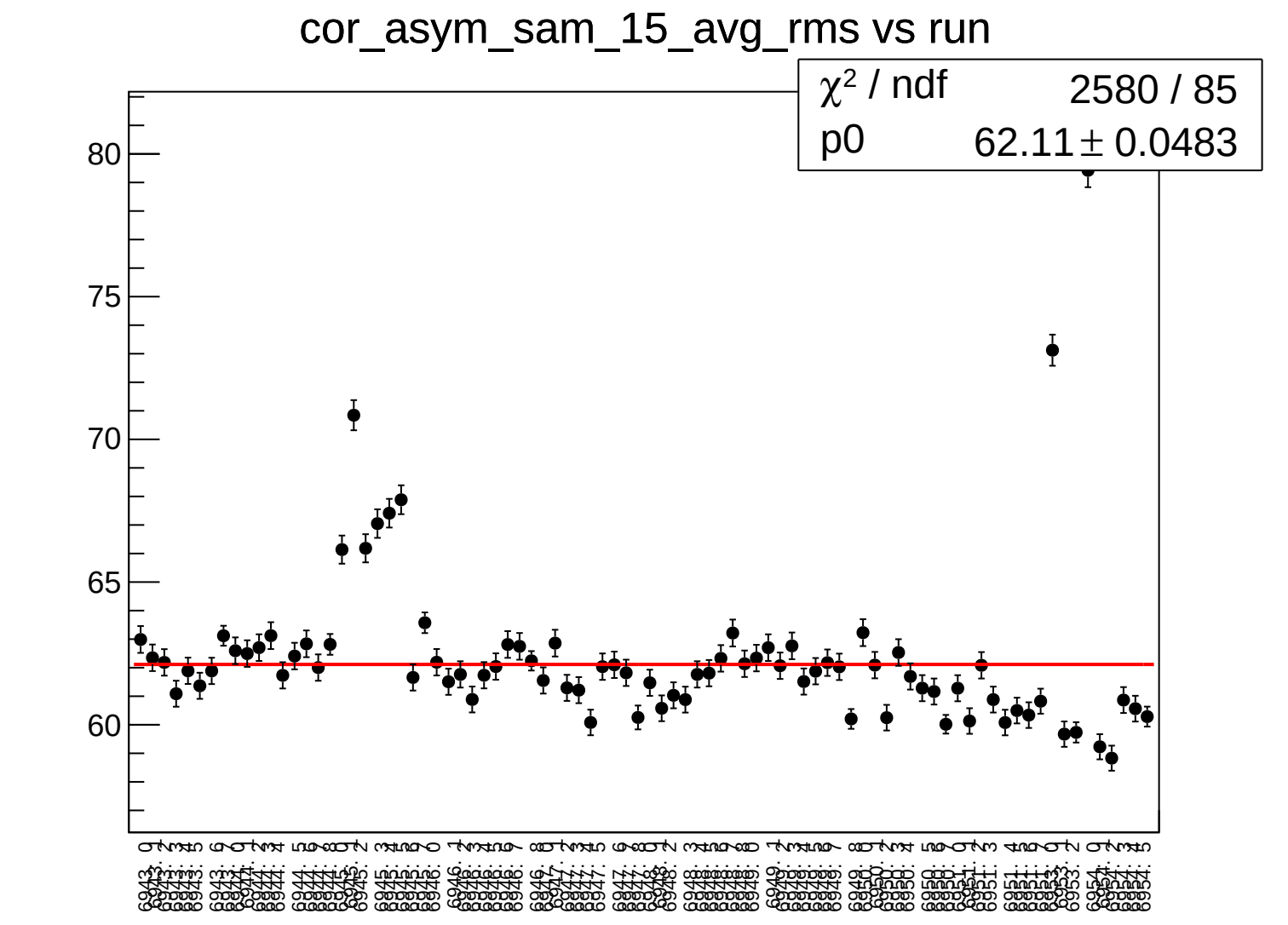

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 84.47 / 85
p0 −171.6 ± 356.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 2.686
Std Dev 0
2
1
0
−1
−2

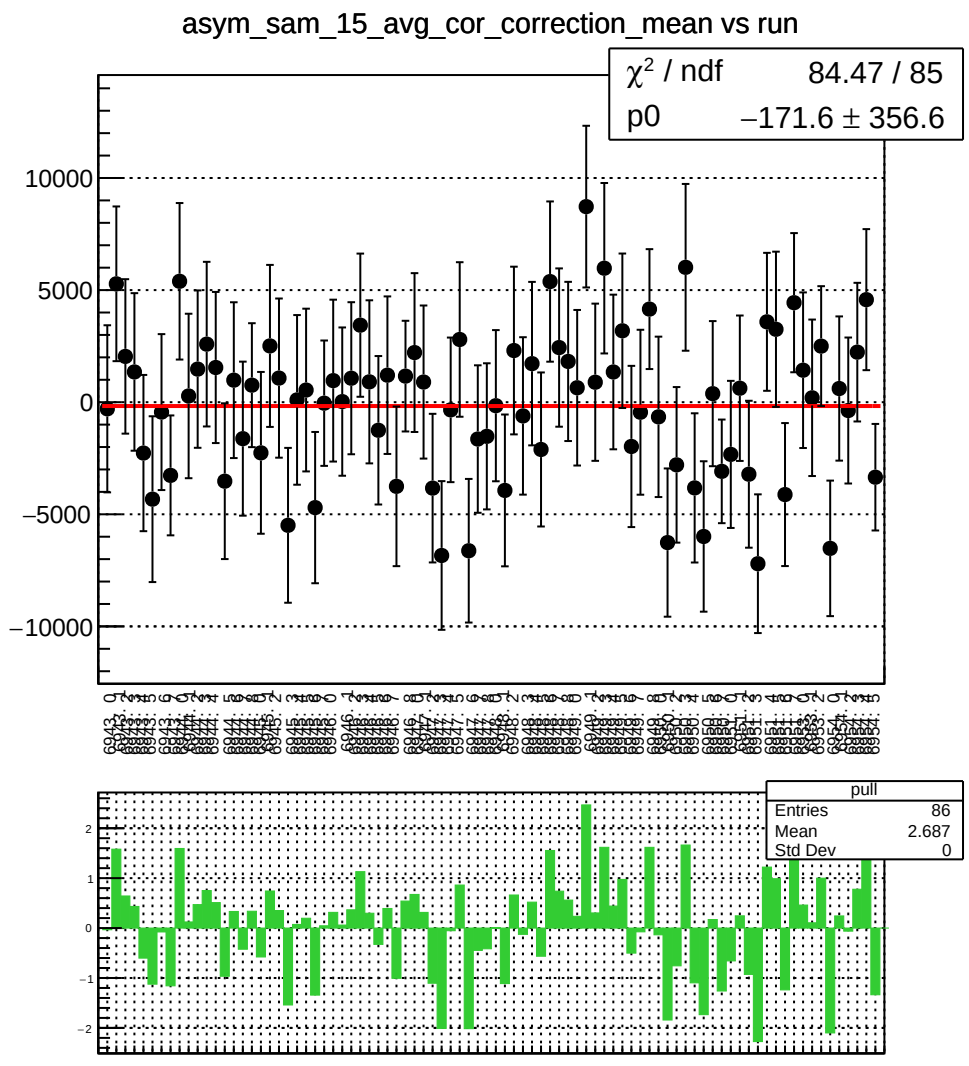

pull1D
Entries 86
Mean 0.01943
Std Dev 0.9909
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

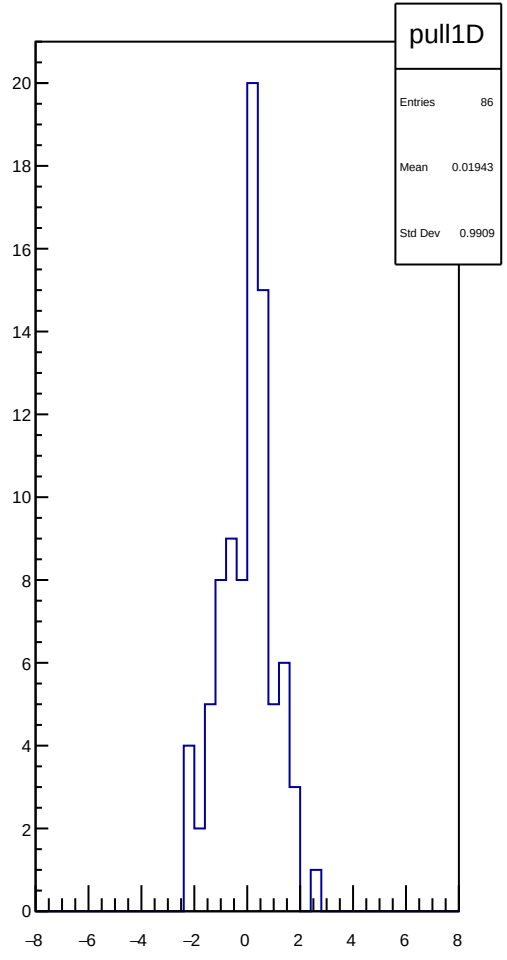

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 4712 / 85
p0 324.1 ± 0.2522
370
360
350
340
330
320
310
300
290
280

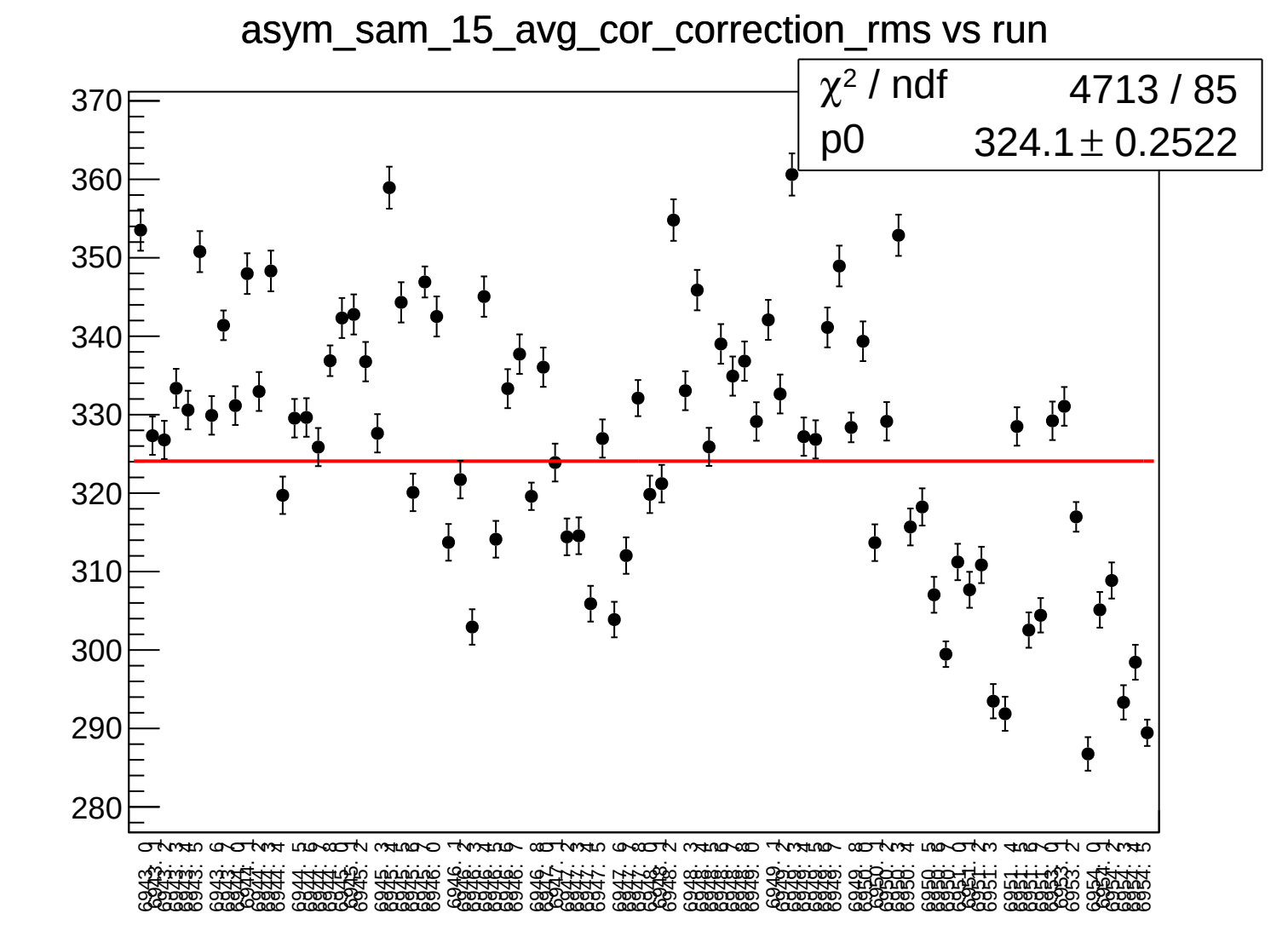

cor_asym_sam_15_avg_mean vs run
χ² / ndf 76.41 / 85
p0 −19.13 ± 68.31
pull
Entries 86
Mean −1329
Std Dev 0

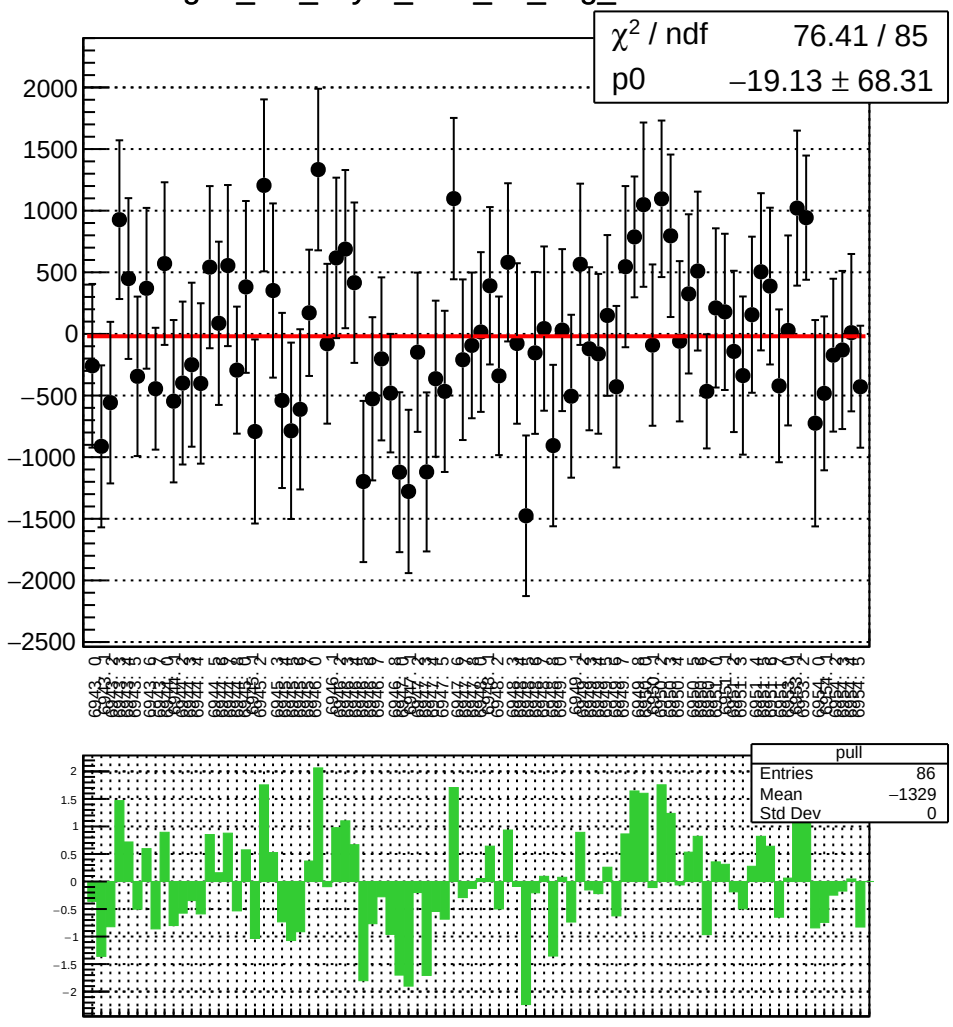

pull1D
Entries 86
Mean −0.001934
Std Dev 0.9426

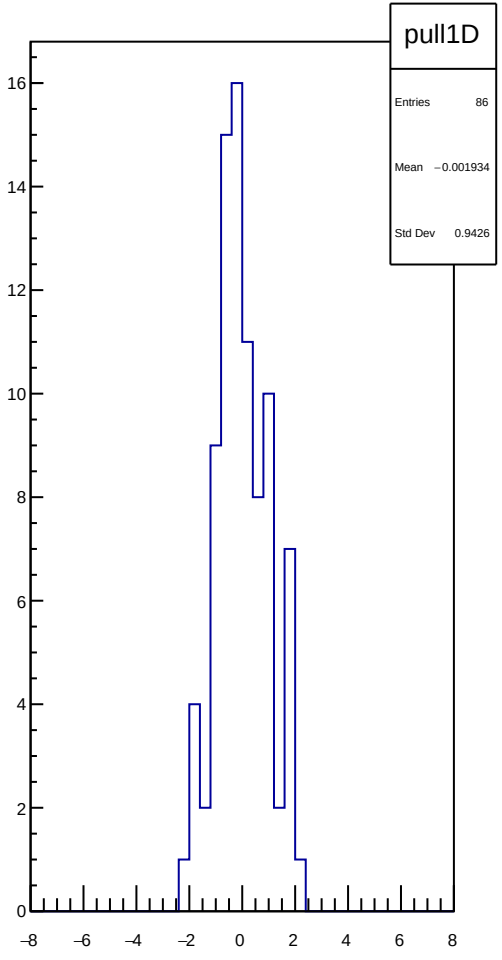

cor_asym_sam_15_avg_rms vs run
χ² / ndf 2580 / 85
p0 62.11 ± 0.0483
80
75
70
65
60

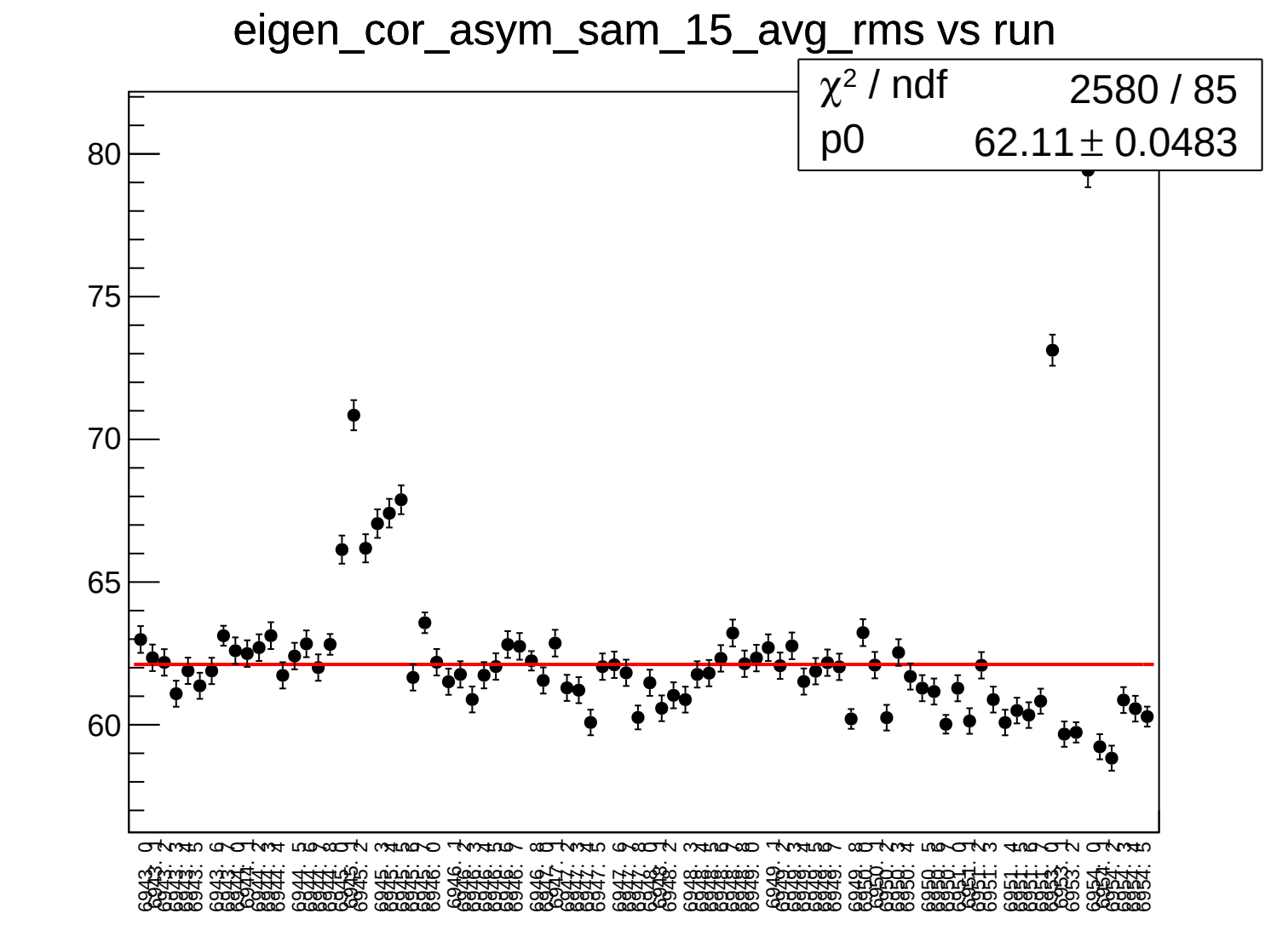

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 84.47 / 85
p0 −171.6 ± 356.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 2.687
Std Dev 0
2
1
0
−1
−2

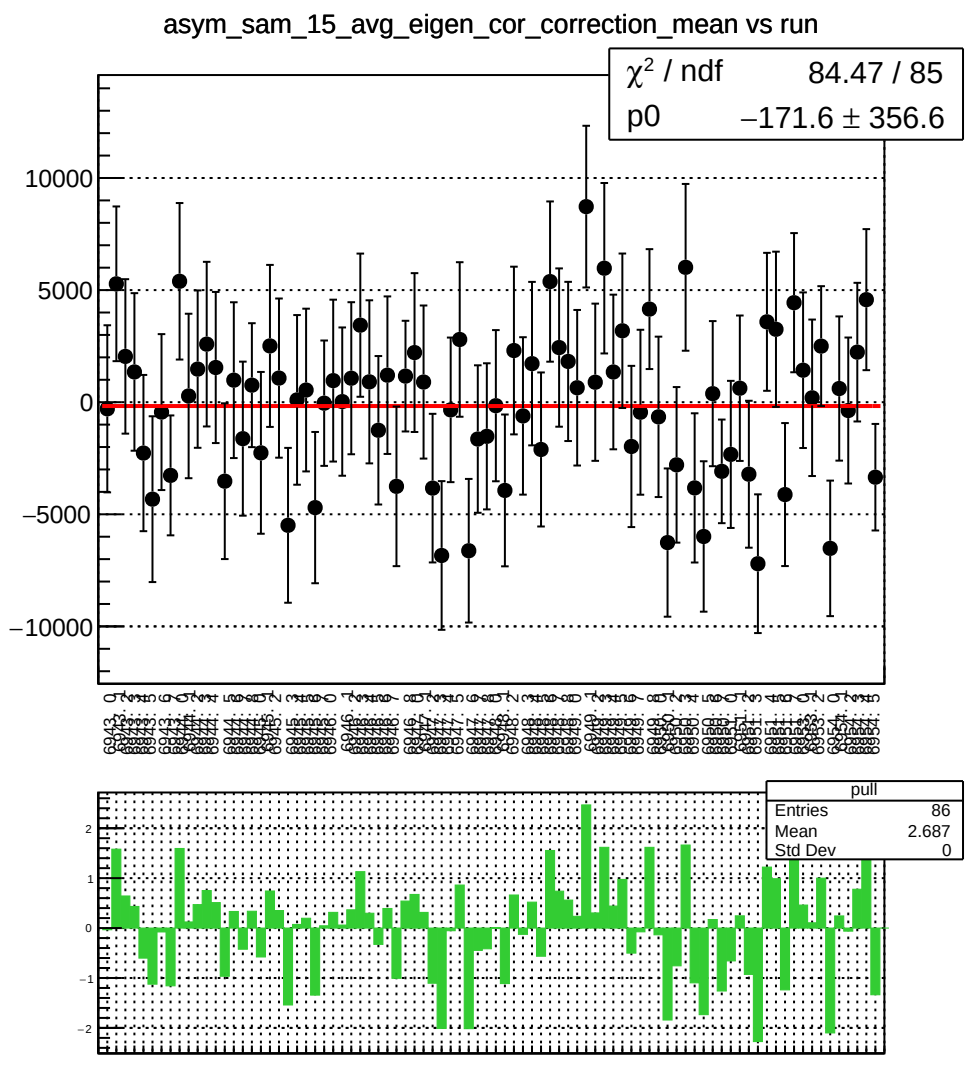

pull1D
Entries 86
Mean 0.01943
Std Dev 0.9909
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

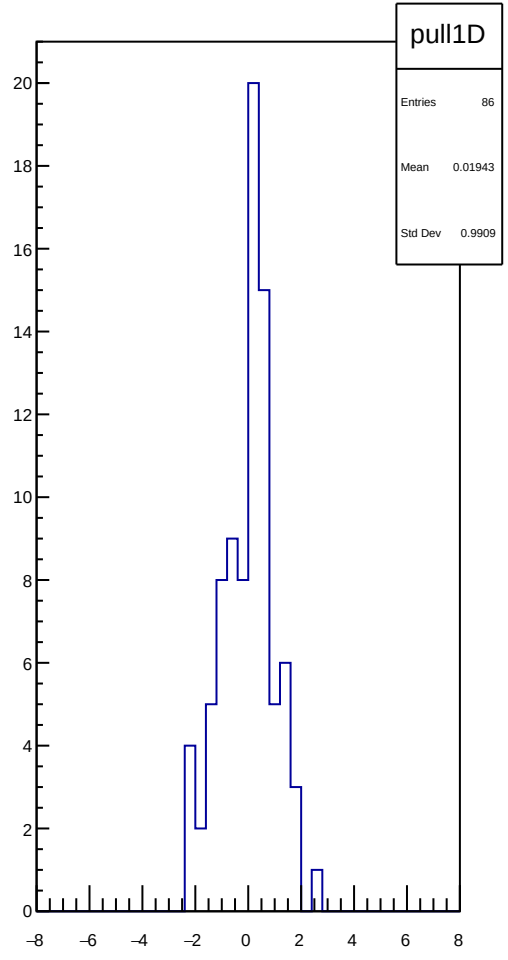

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 4713 / 85
p0 324.1 ± 0.2522
370
360
350
340
330
320
310
300
290
280

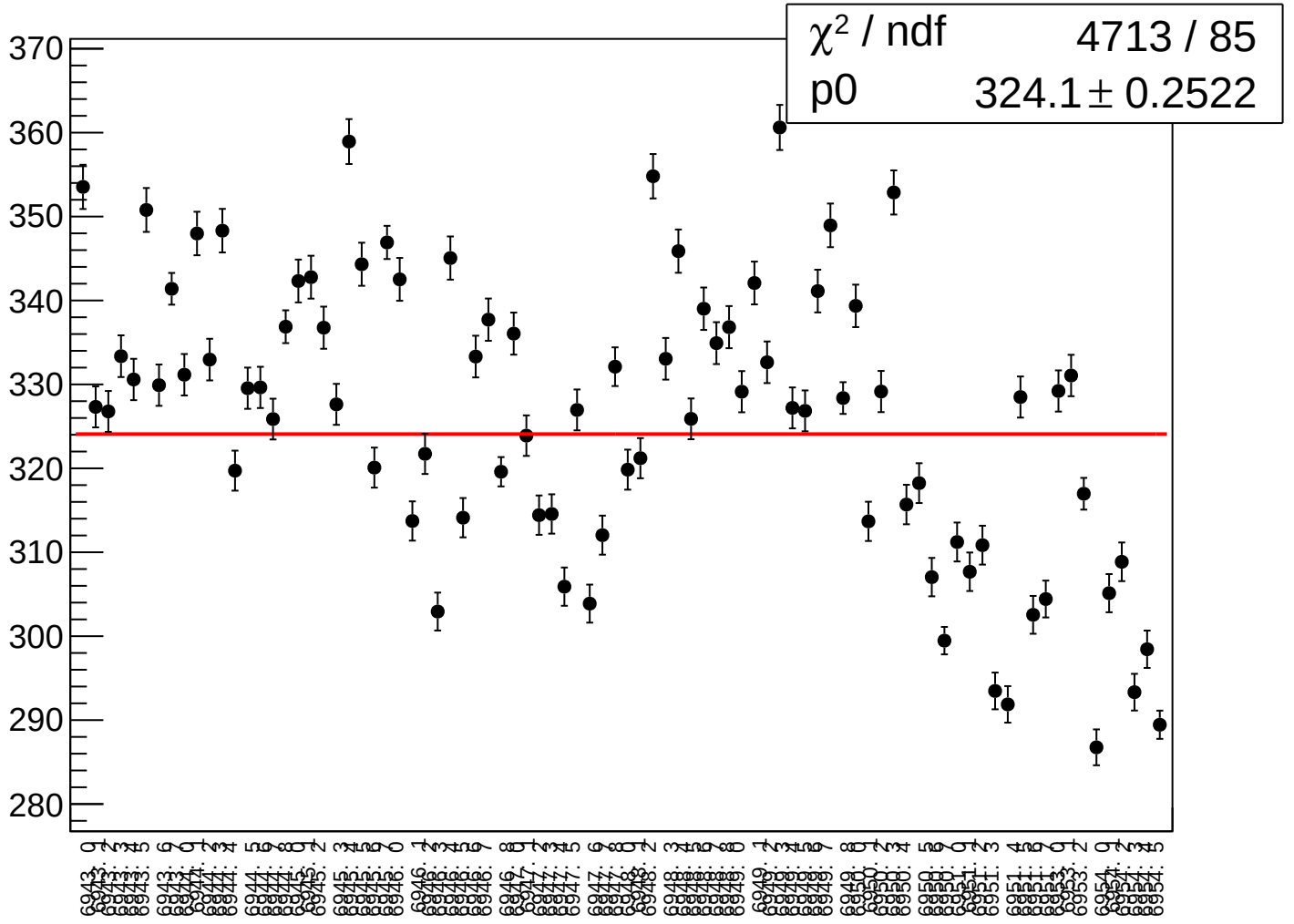

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 76.41 / 85
p0 −19.13 ± 68.31
pull
Entries 86
Mean −1329
Std Dev 0

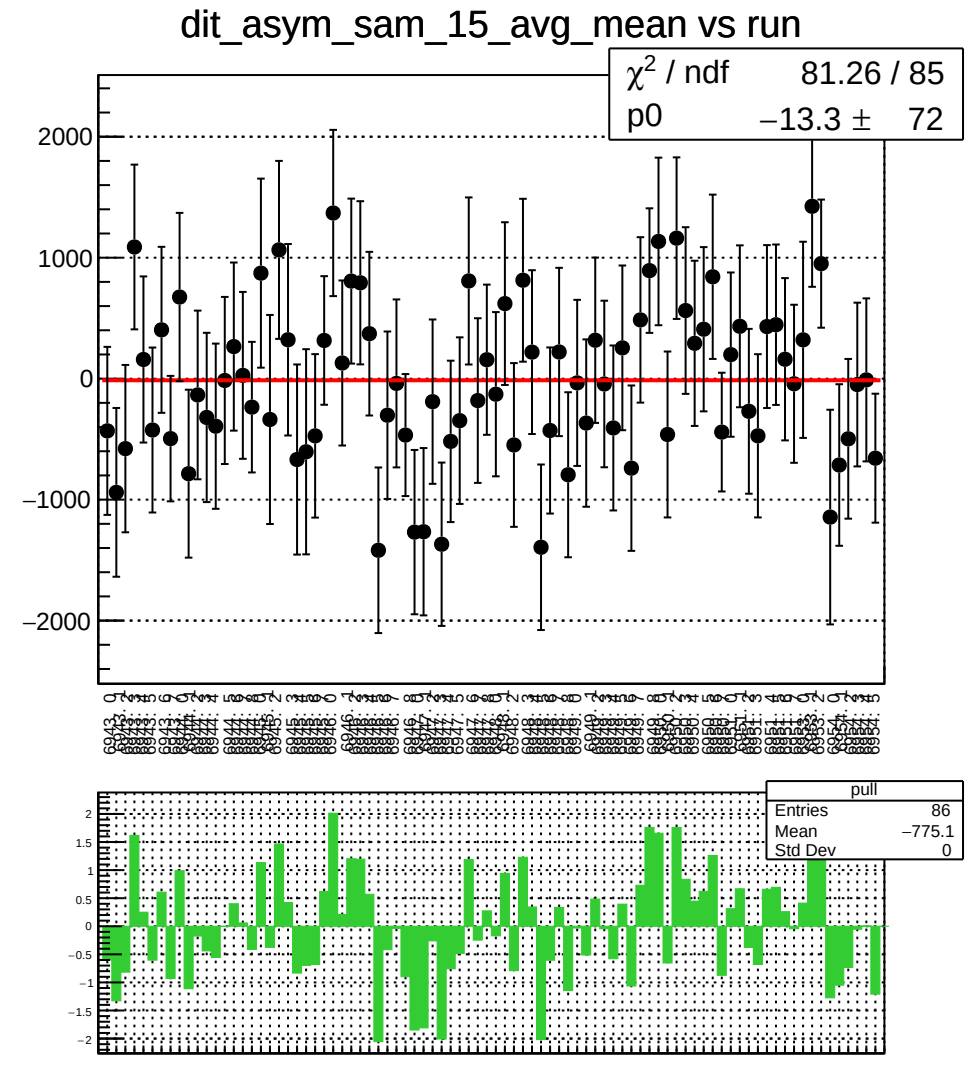

pull1D
Entries 86
Mean −0.001934
Std Dev 0.9426

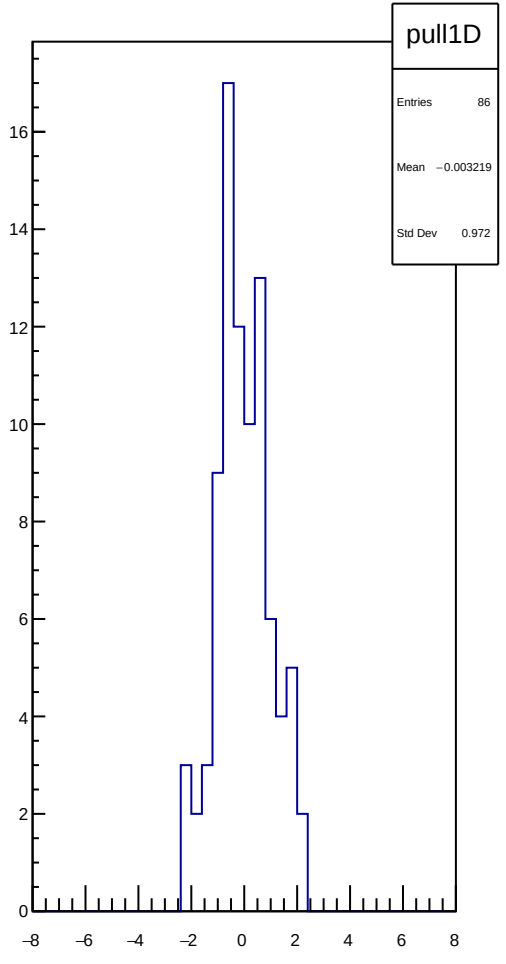

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 2580 / 85
p0 62.11 ± 0.0483
80
75
70
65
60

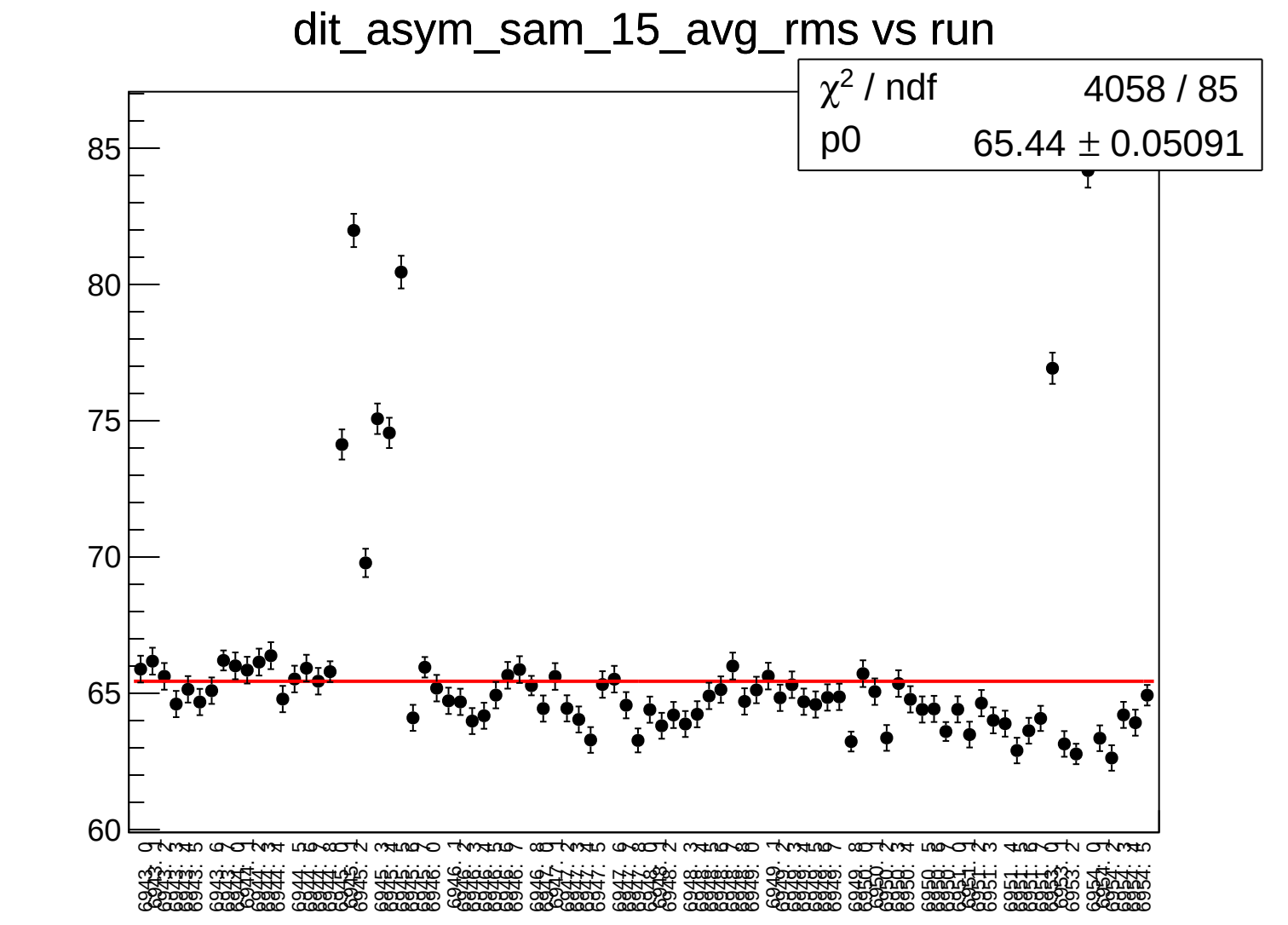

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.47 / 85
p0 −171.6 ± 356.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 2.687
Std Dev 0
2
1
0
−1
−2

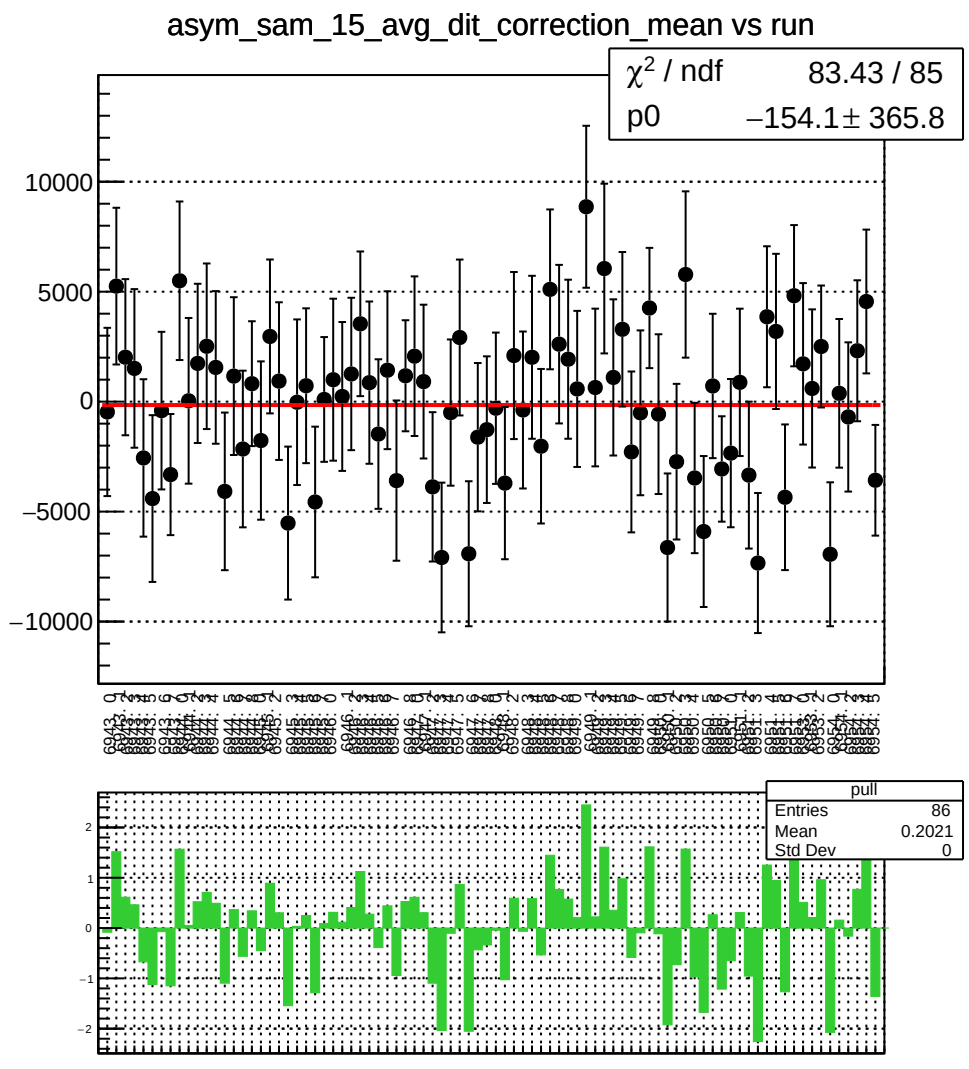

pull1D
Entries 86
Mean 0.01943
Std Dev 0.9909
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

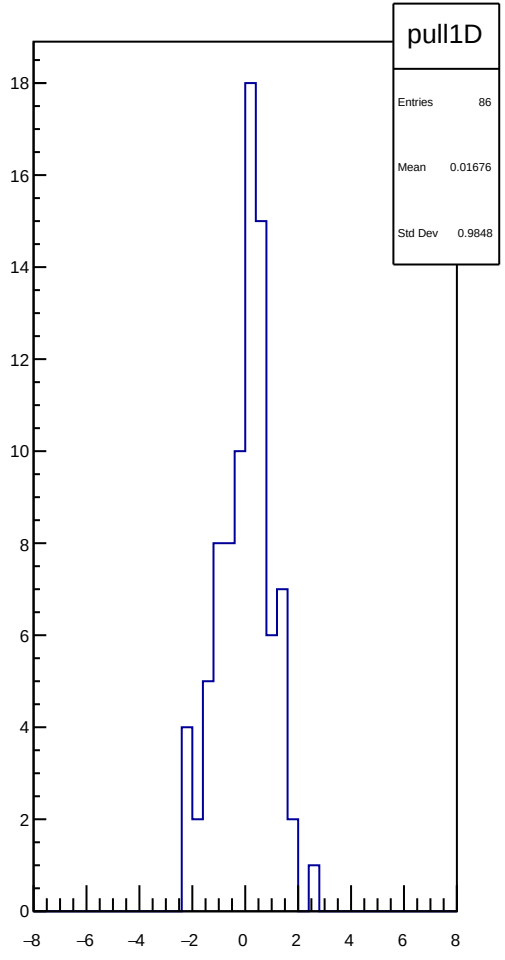

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 4713 / 85
p0 324.1 ± 0.2522
370
360
350
340
330
320
310
300
290
280

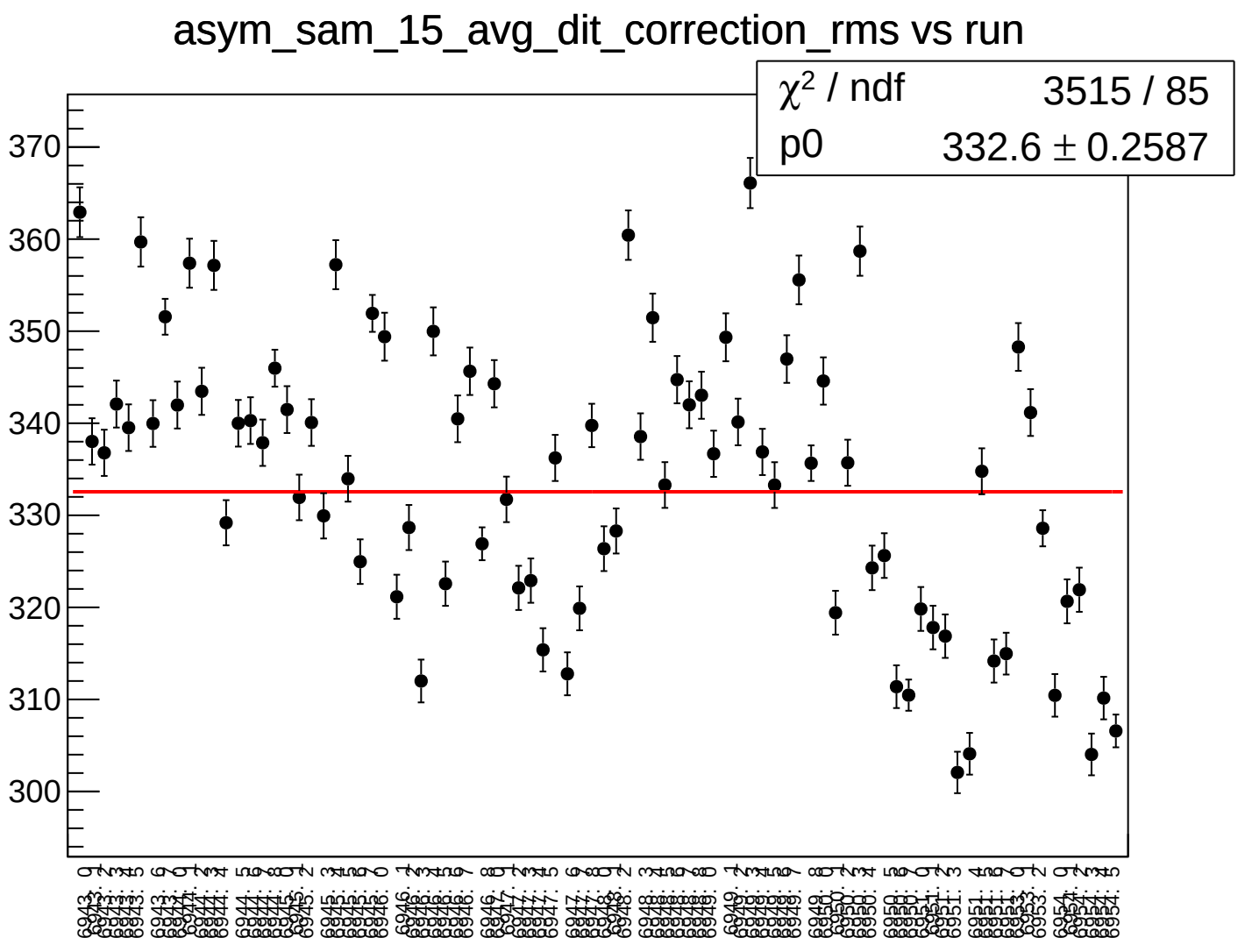

dit_asym_sam_15_avg_mean vs run
χ² / ndf 81.26 / 85
p0 −13.3 ± 72
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −775.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

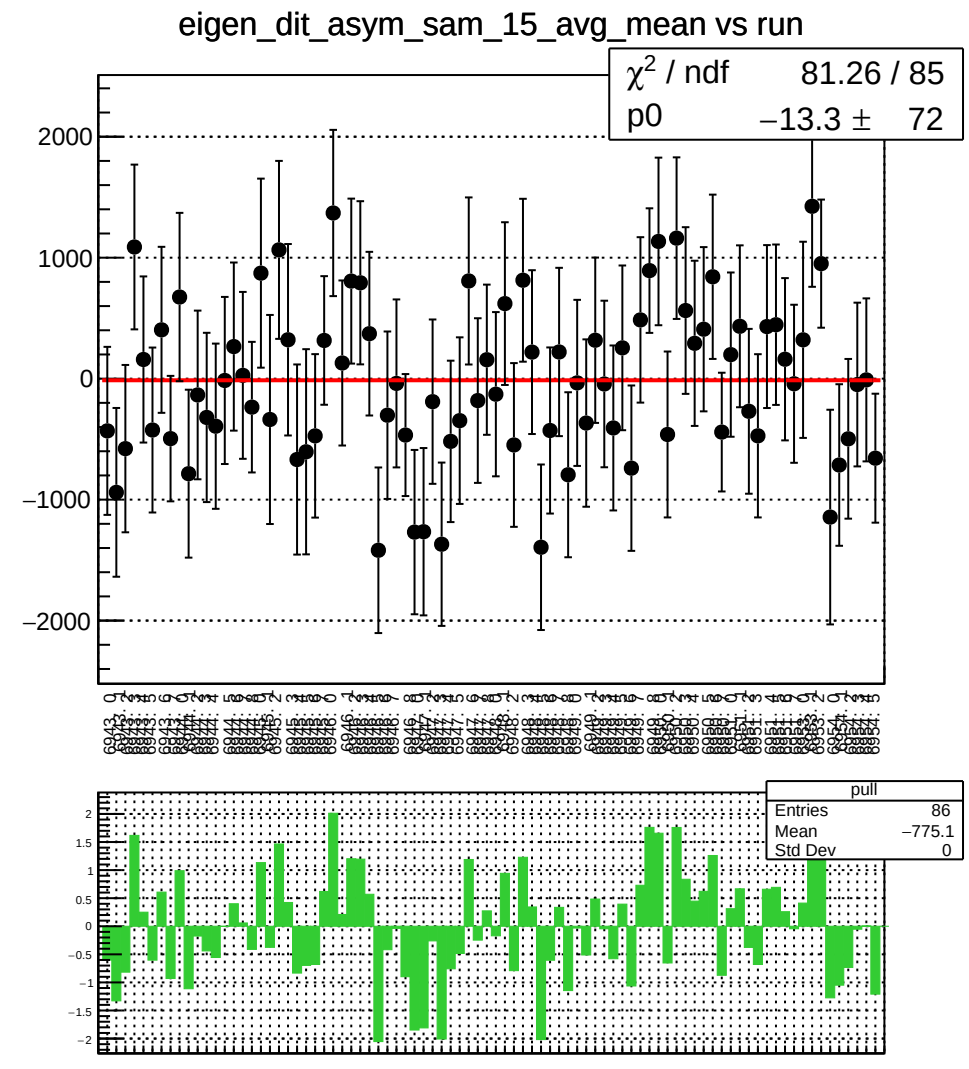

pull1D
Entries 86
Mean −0.003219
Std Dev 0.972
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

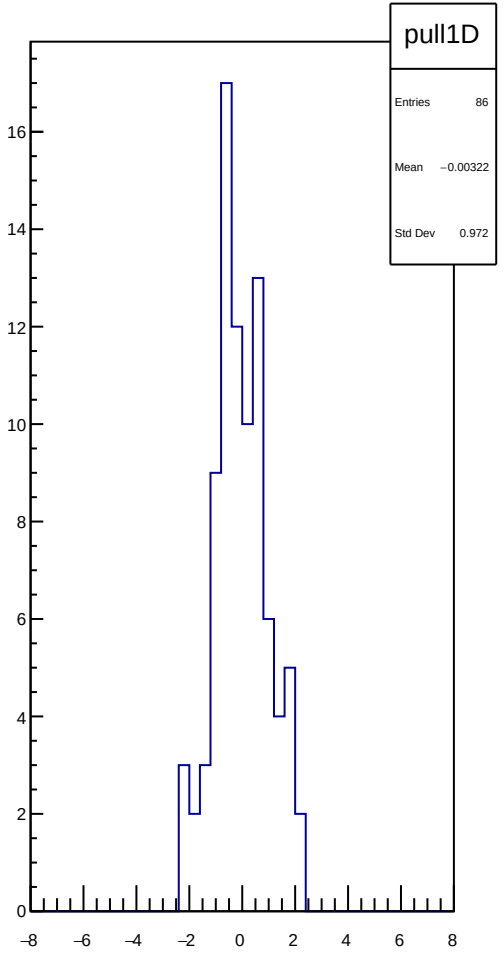

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 4058 / 85
p0 65.44 ± 0.05091
85
80
75
70
65
60

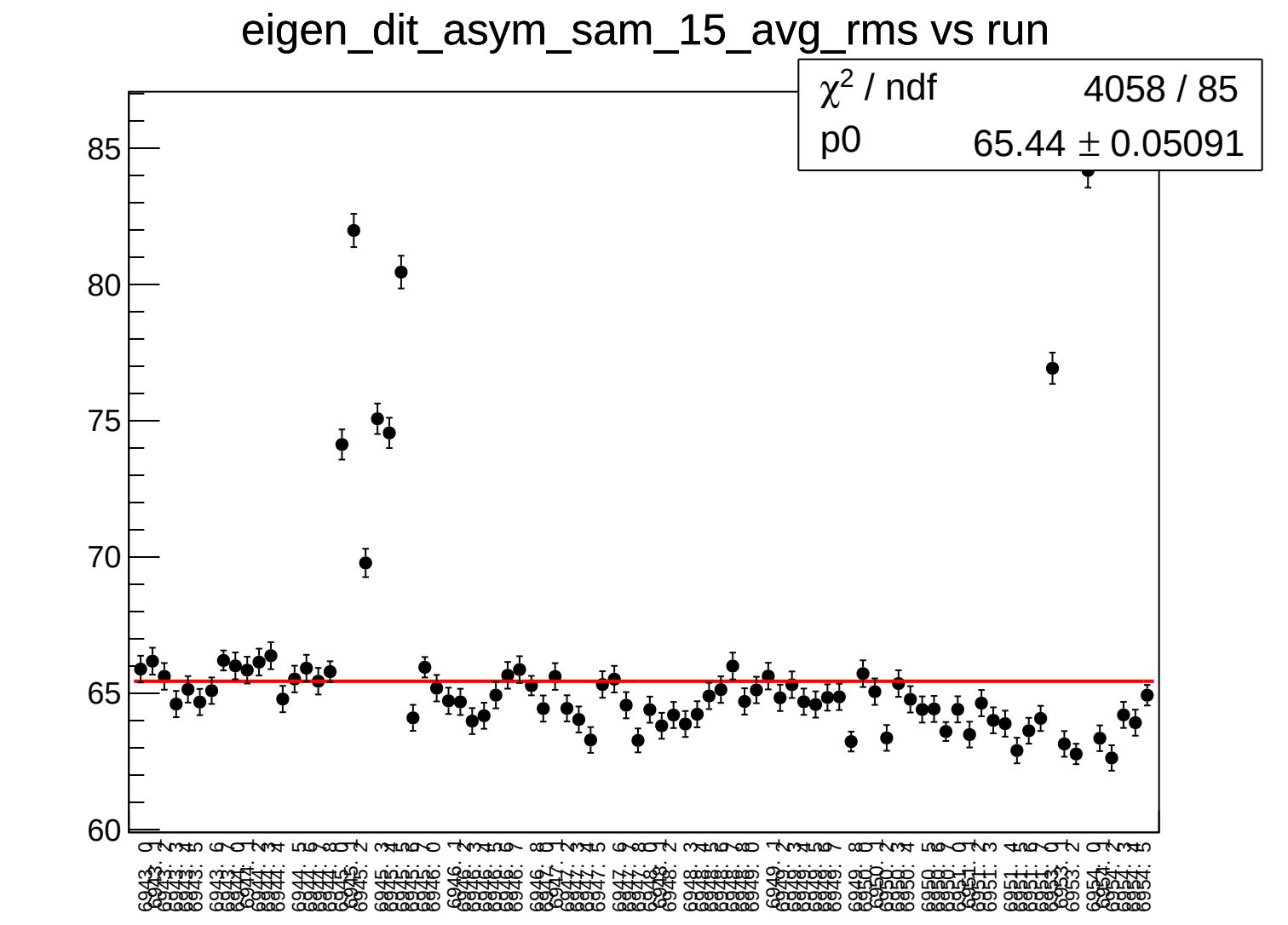

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 83.43 / 85
p0 −154.1± 365.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 0.2021
Std Dev 0
2
1
0
−1
−2

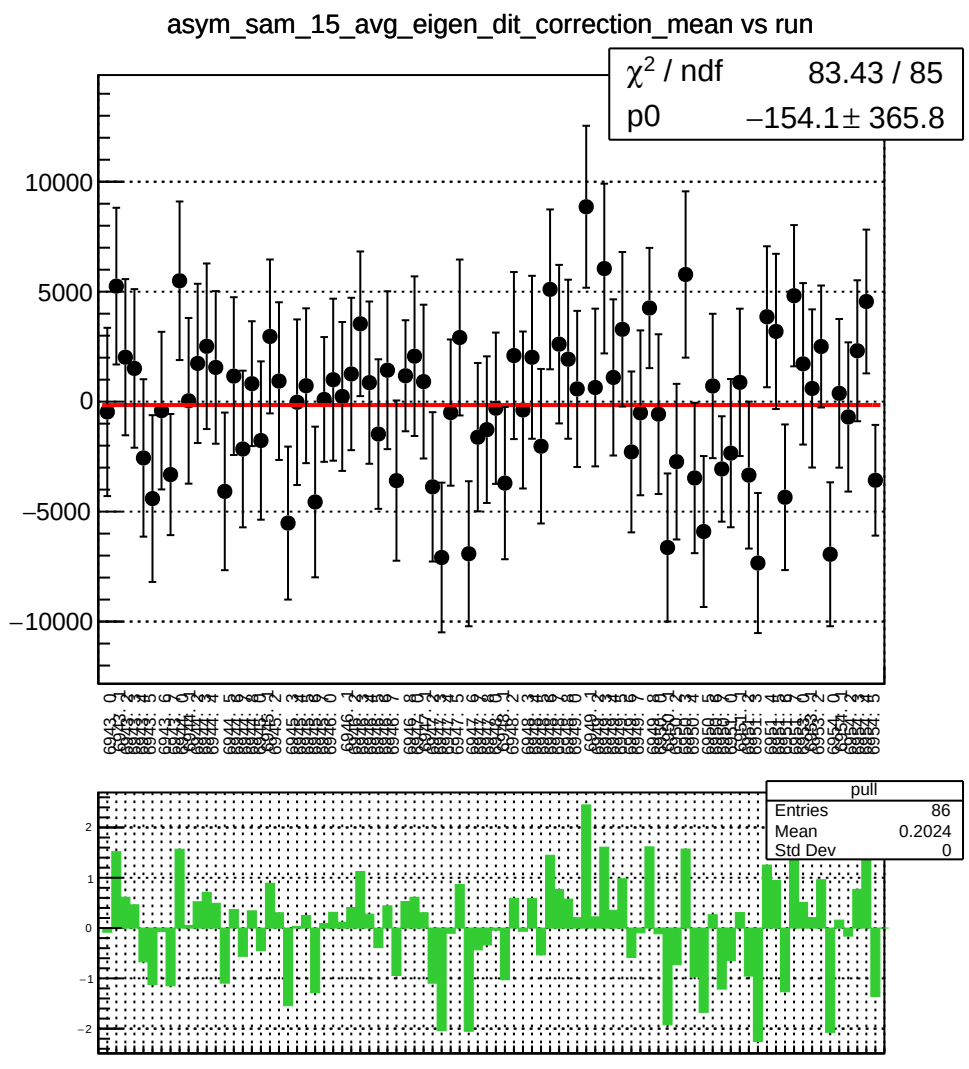

pull1D
Entries 86
Mean 0.01676
Std Dev 0.9848
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

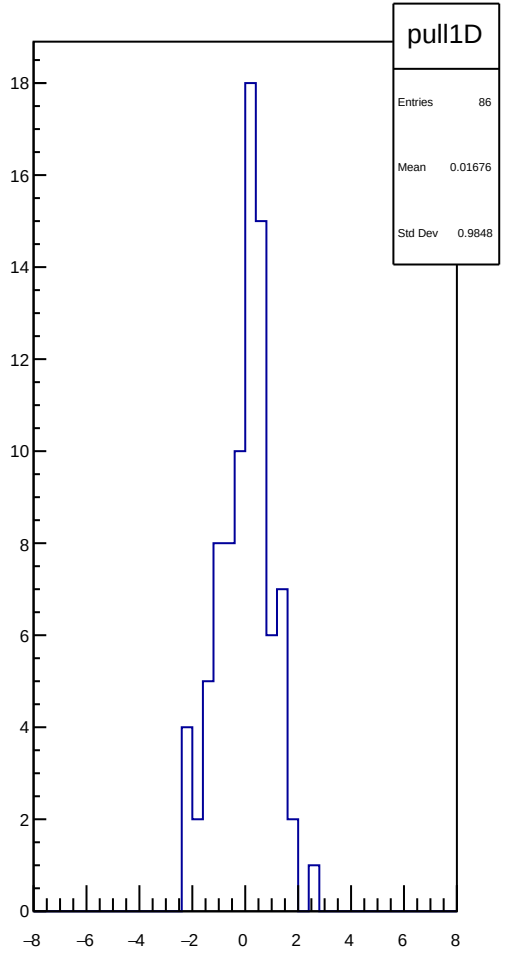

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 3515 / 85
p0 332.6 ± 0.2587
370
360
350
340
330
320
310
300

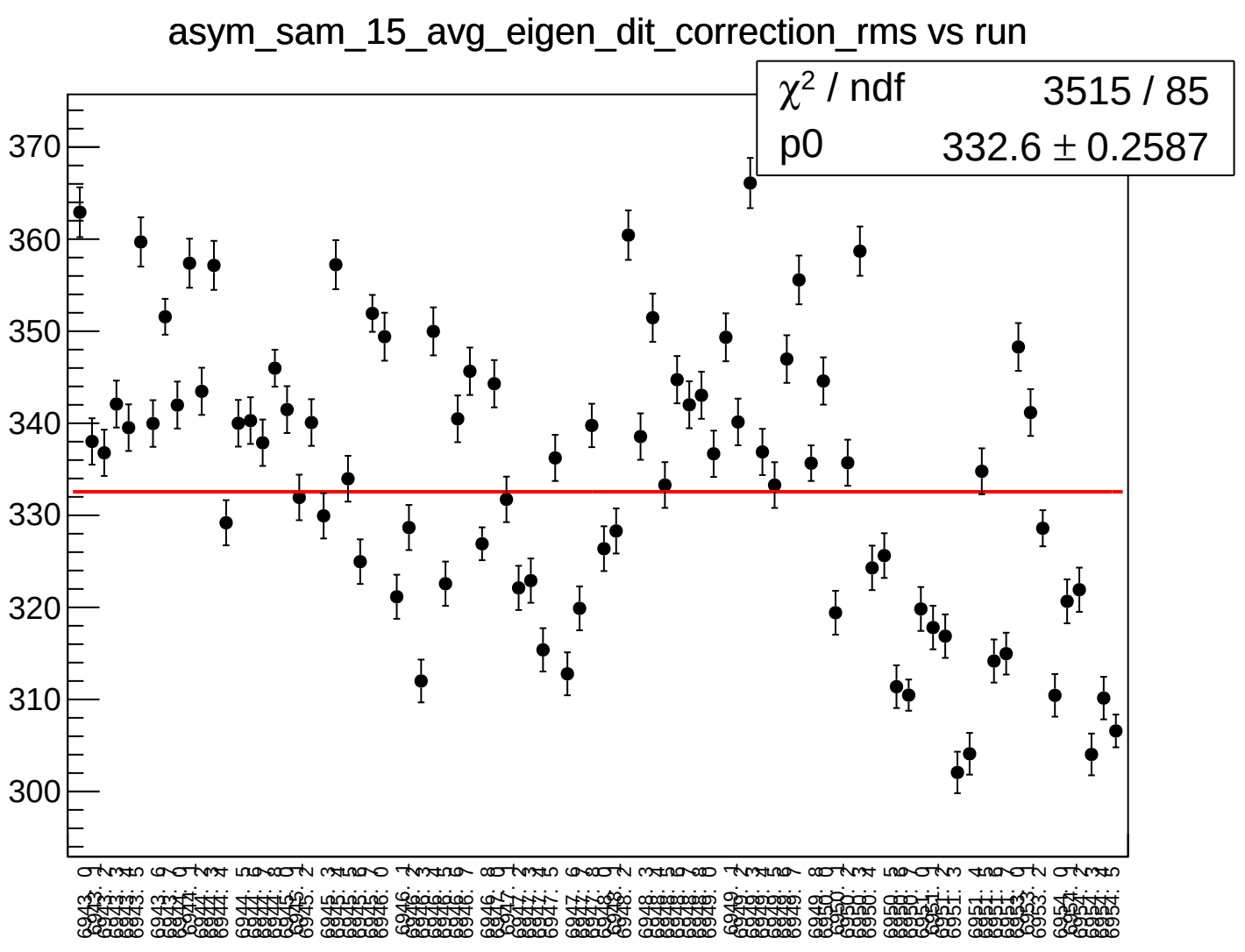

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 81.26 / 85
p0 −13.3 ± 72
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −775.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

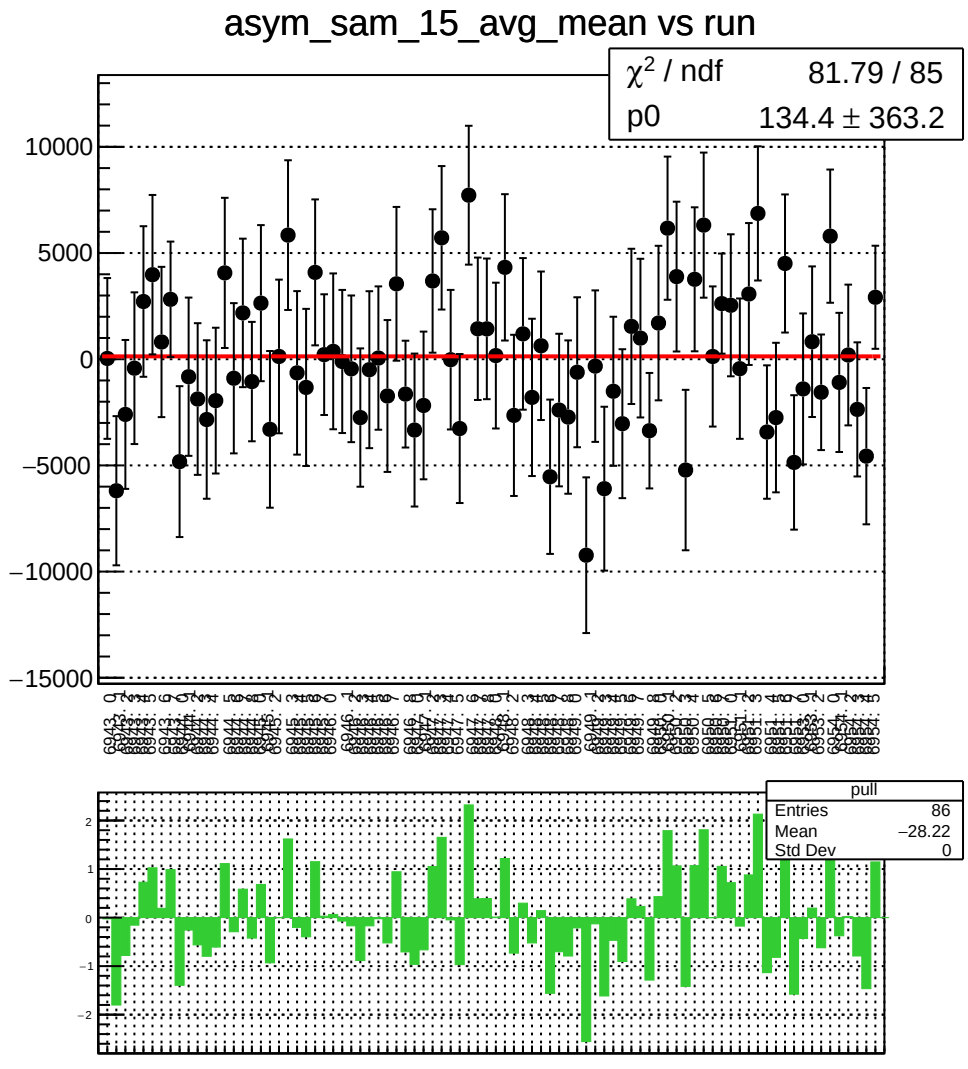

pull1D
Entries 86
Mean −0.00322
Std Dev 0.972
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

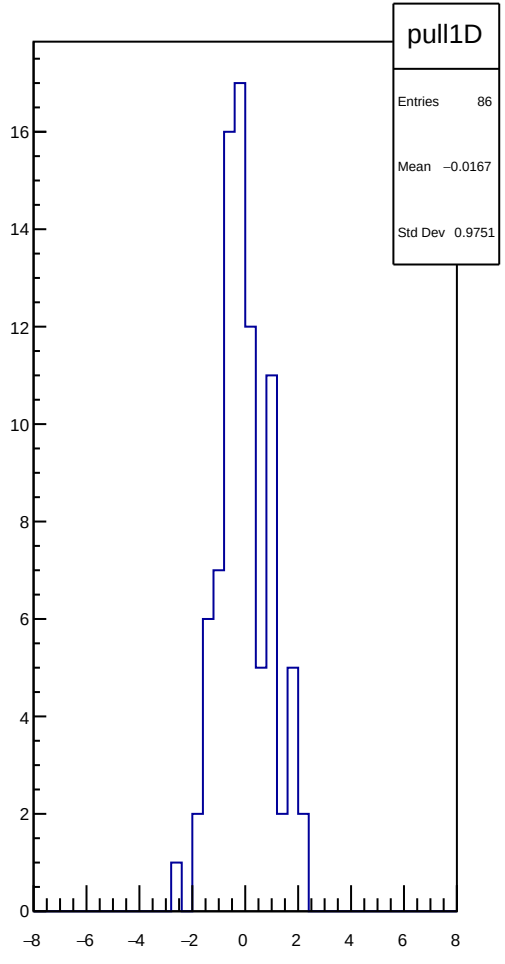

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 4058 / 85
p0 65.44 ± 0.05091
85
80
75
70
65
60

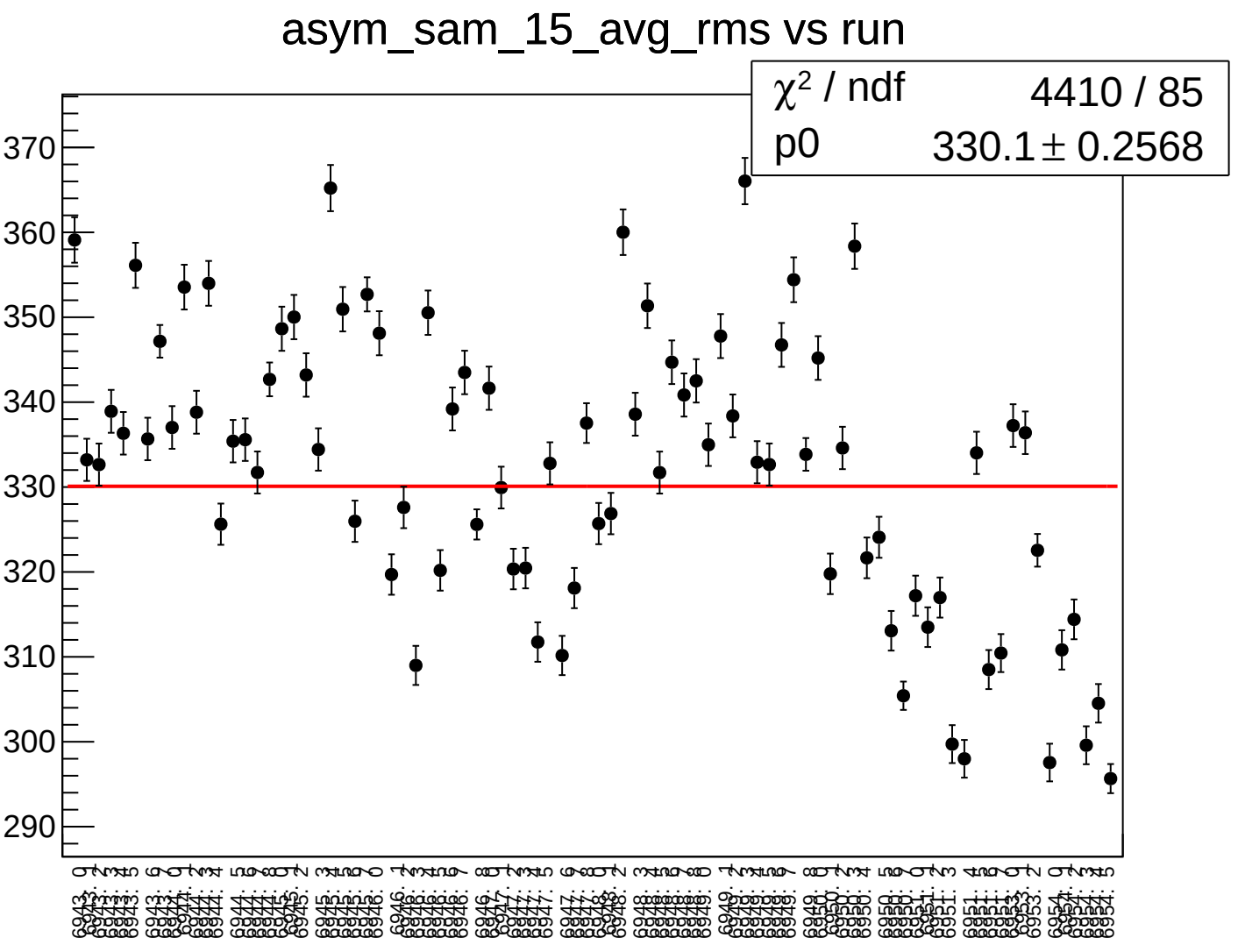

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.43 / 85
p0 −154.1± 365.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 0.2024
Std Dev 0
2
1
0
−1
−2

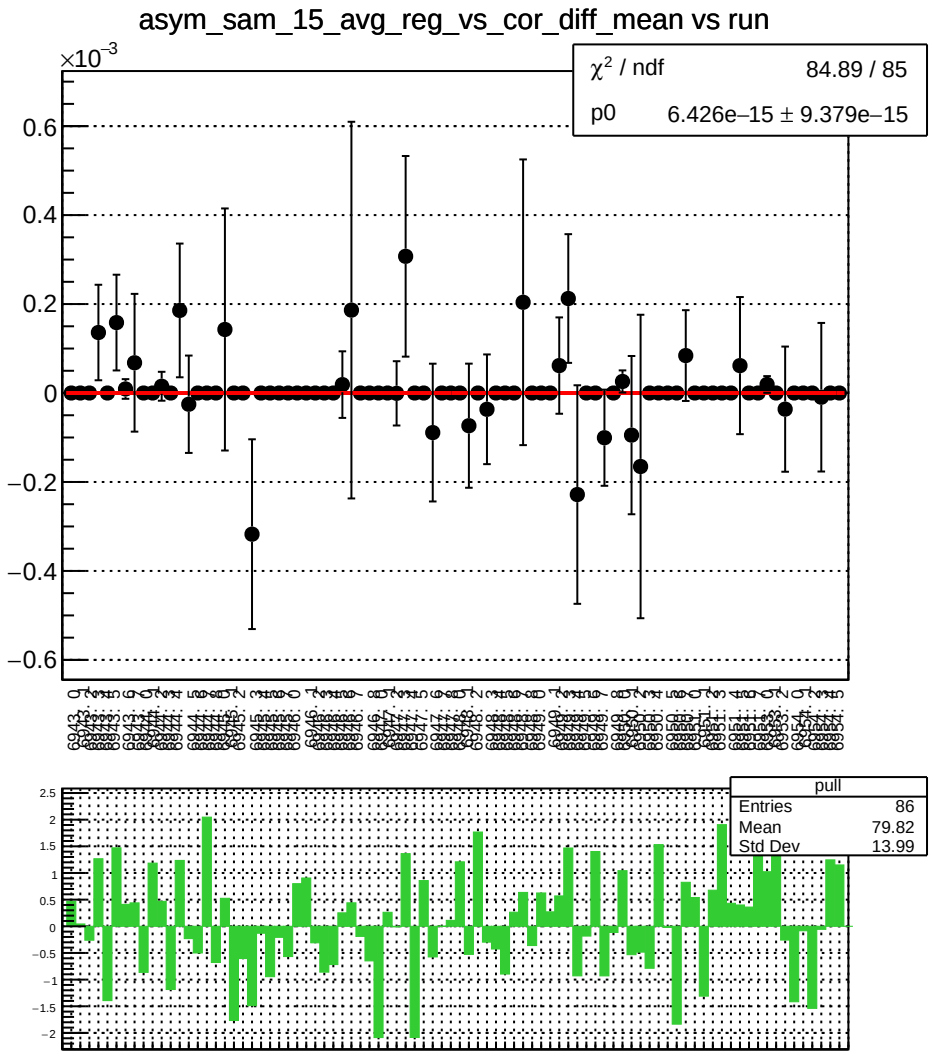

pull1D
Entries 86
Mean 0.01676
Std Dev 0.9848
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

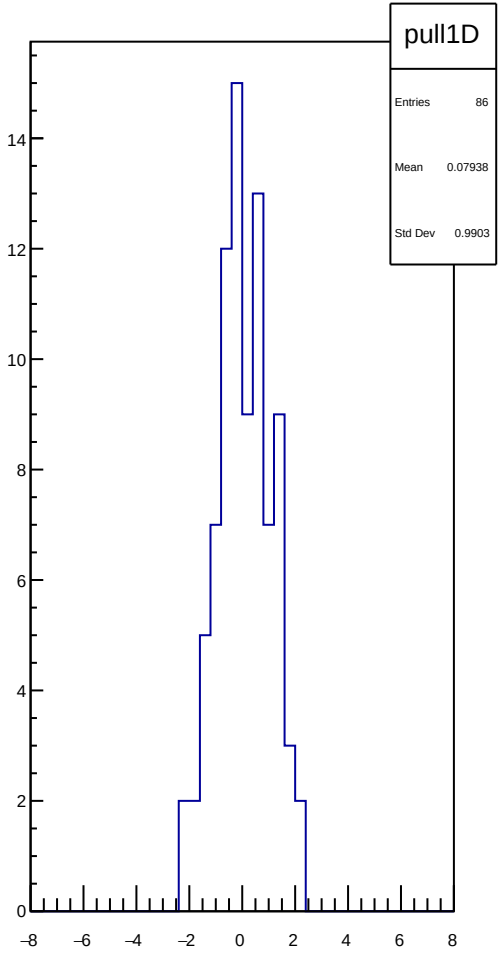

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 3515 / 85
p0 332.6 ± 0.2587
370
360
350
340
330
320
310
300

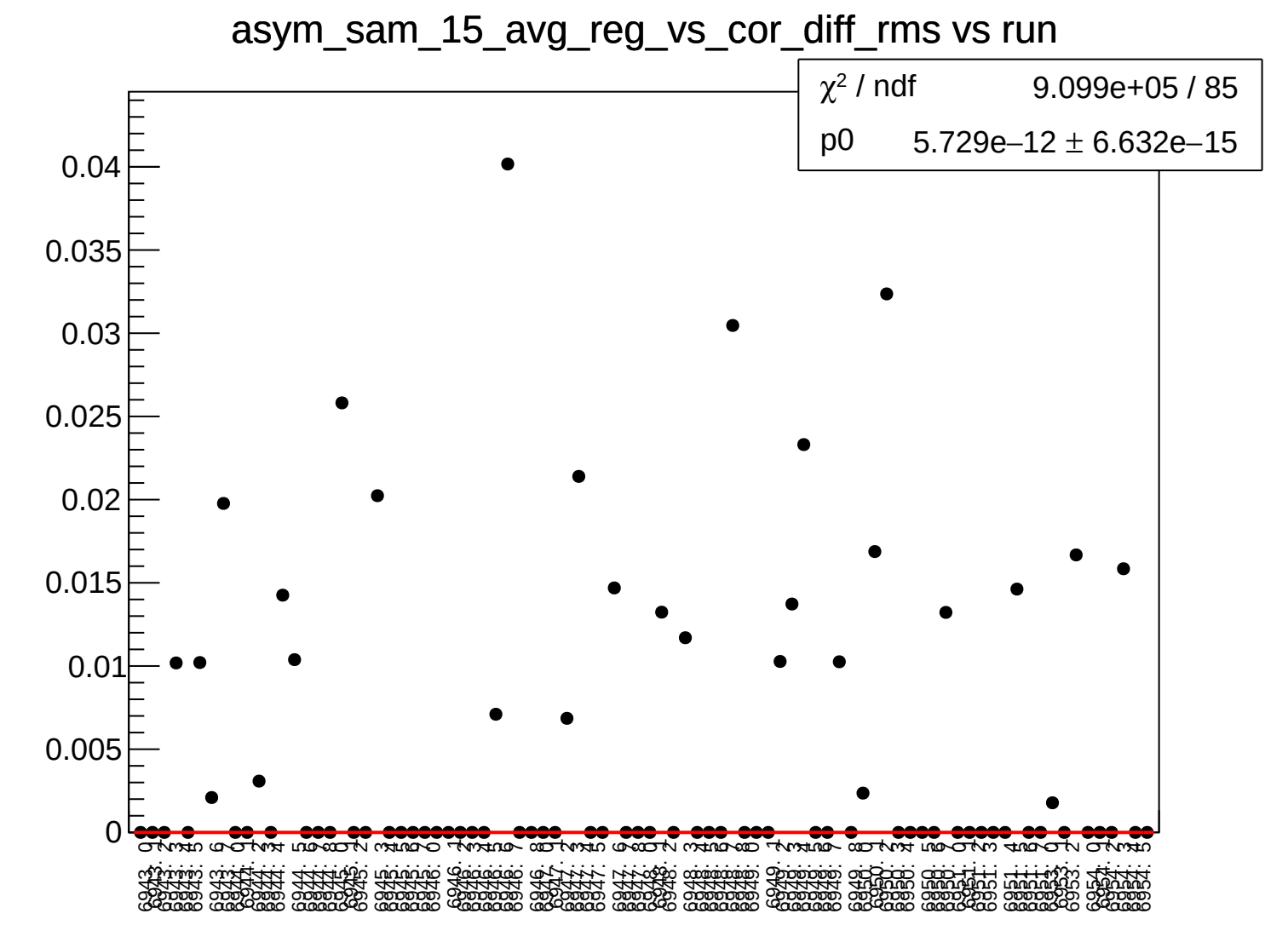

asym_sam_15_avg_mean vs run
χ² / ndf 81.79 / 85
p0 134.4 ± 363.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −28.22
Std Dev 0
2
1
0
−1
−2

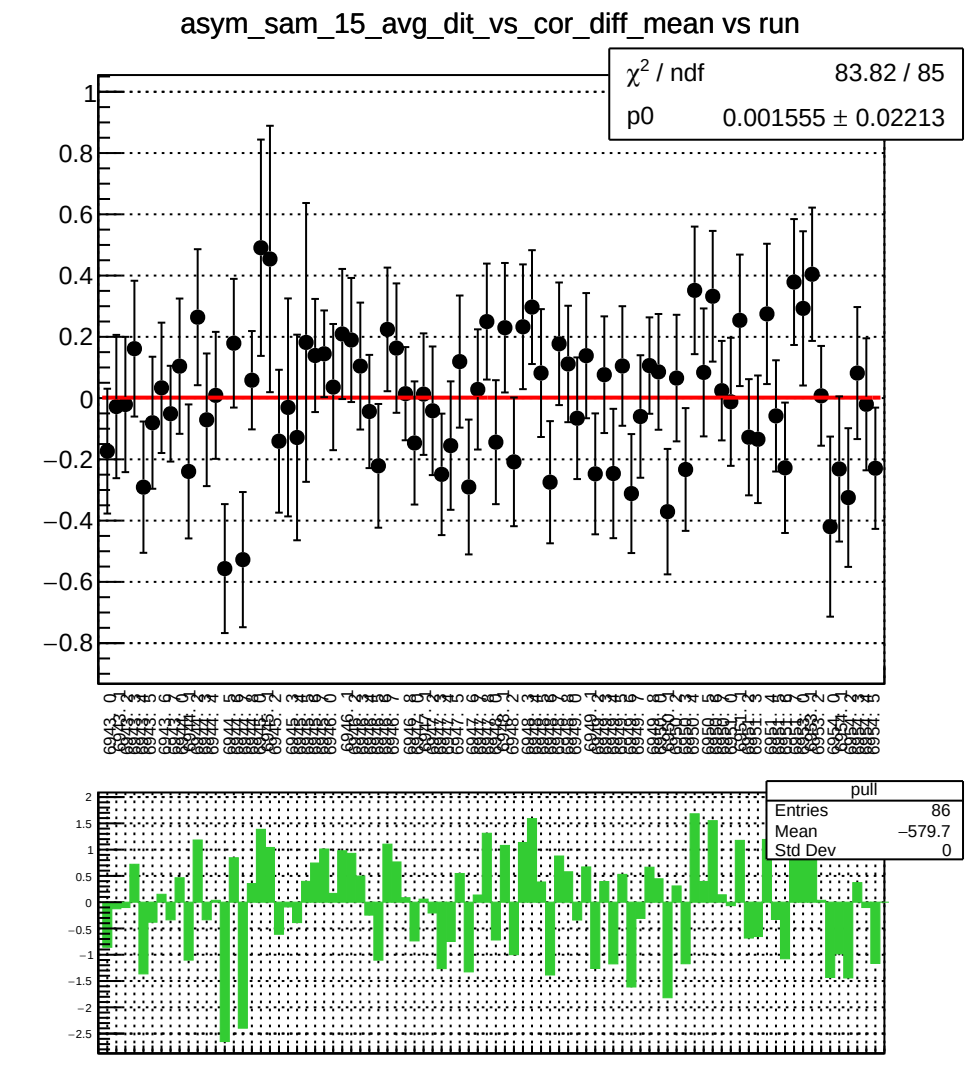

pull1D
Entries 86
Mean −0.0167
Std Dev 0.9751
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

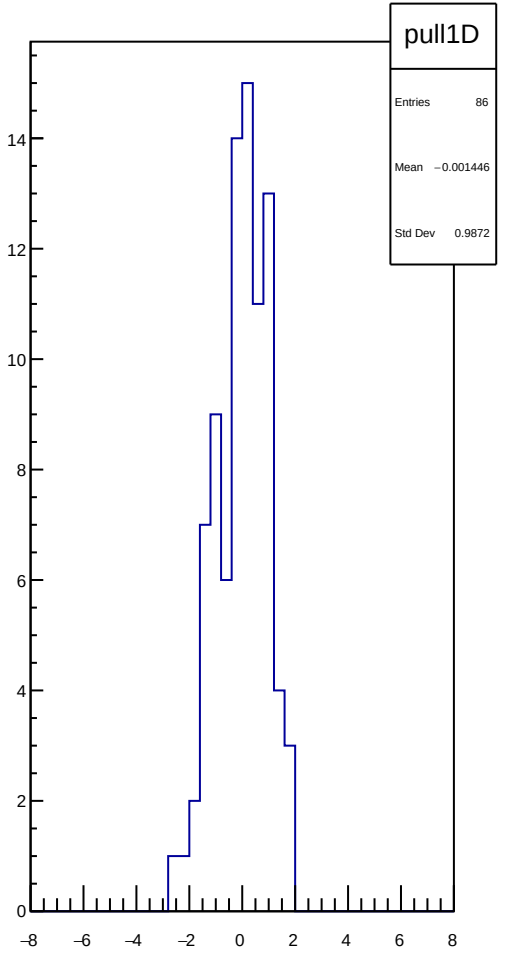

asym_sam_15_avg_rms vs run
χ² / ndf 4410 / 85
p0 330.1 ± 0.2568
370
360
350
340
330
320
310
300
290

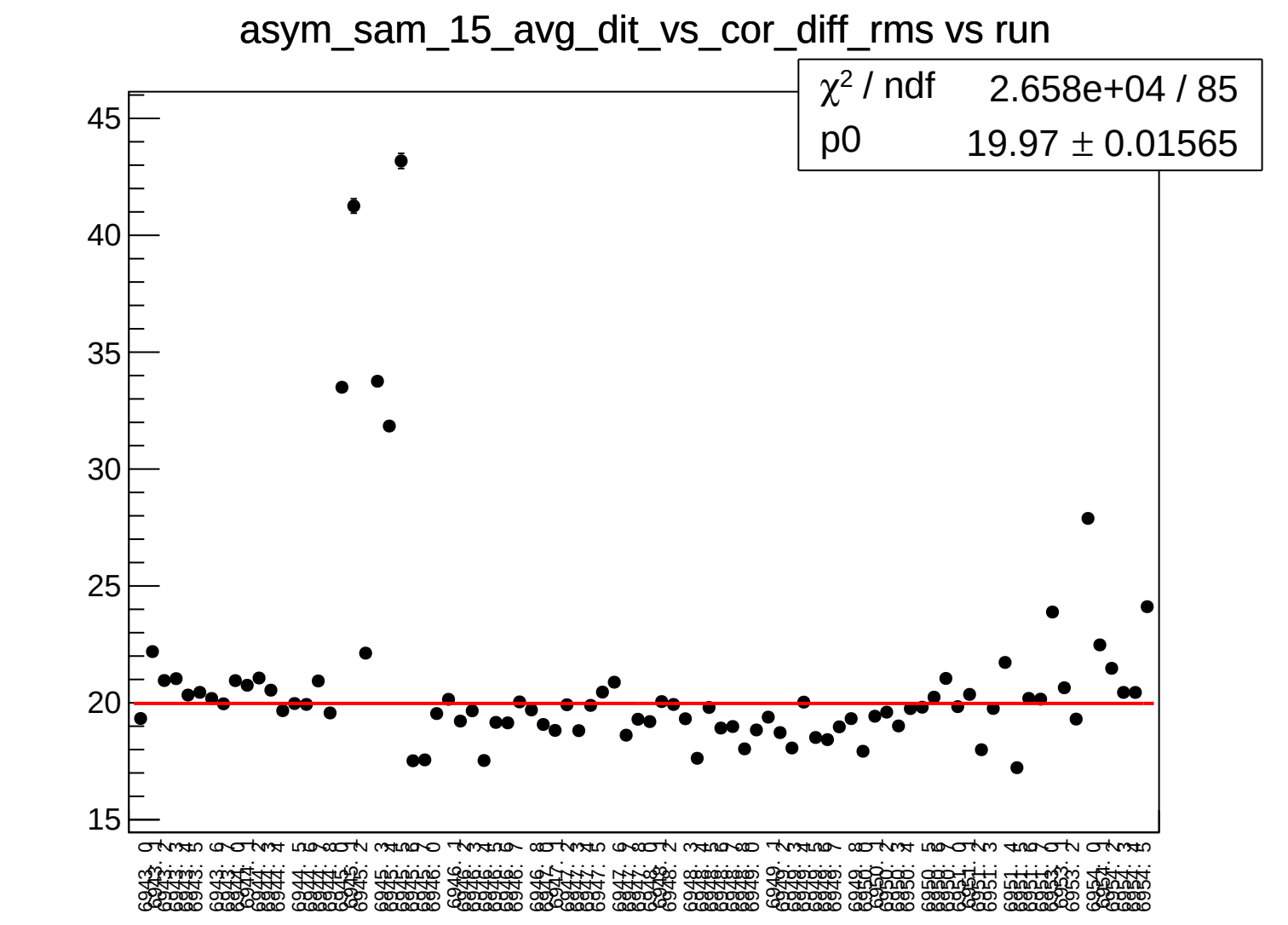

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 84.89 / 85
p0 6.426e−15 ± 9.379e−15
pull
Entries 86
Mean 79.82
Std Dev 13.99

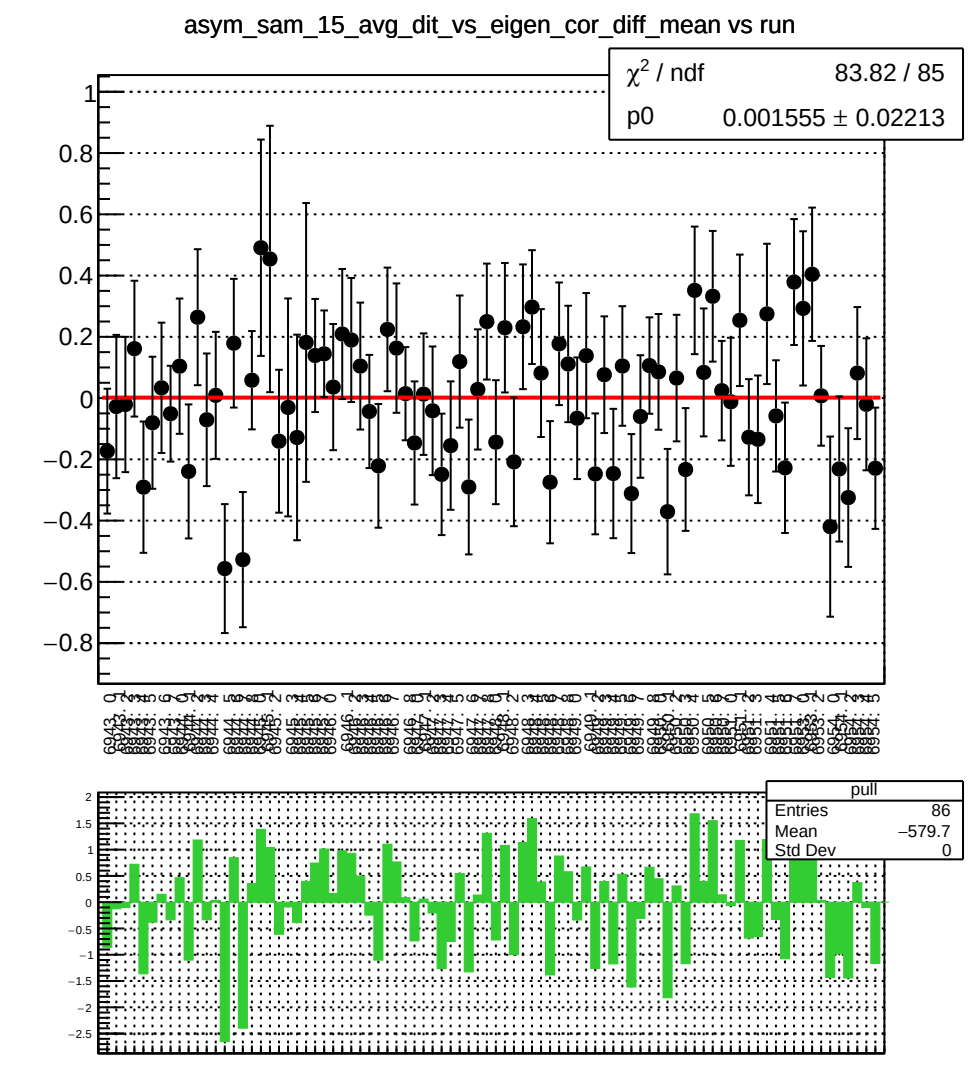

pull1D
Entries 86
Mean 0.07938
Std Dev 0.9903

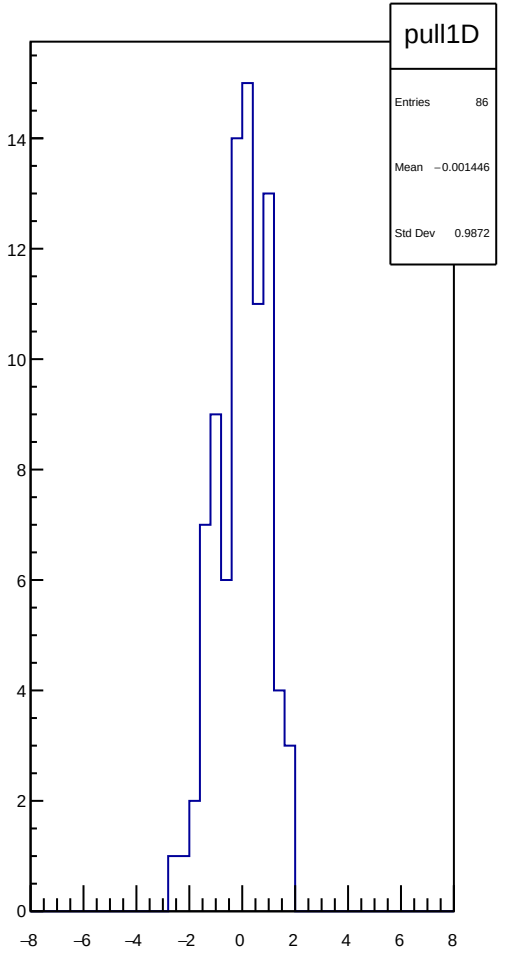

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.099e+05 / 85
p0 5.729e−12 ± 6.632e−15
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

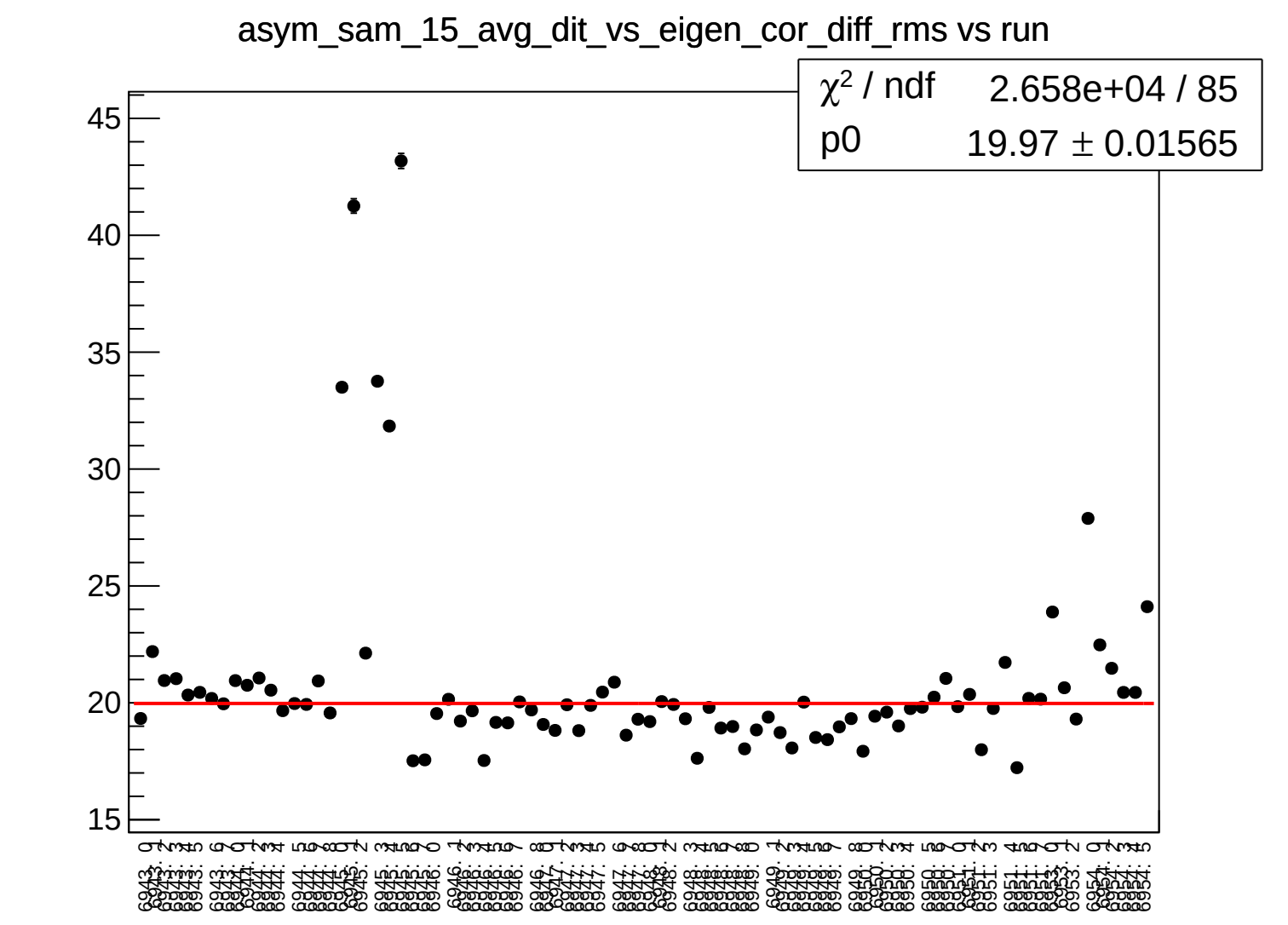

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.82 / 85
p0 0.001555 ± 0.02213
pull
Entries 86
Mean −579.7
Std Dev 0

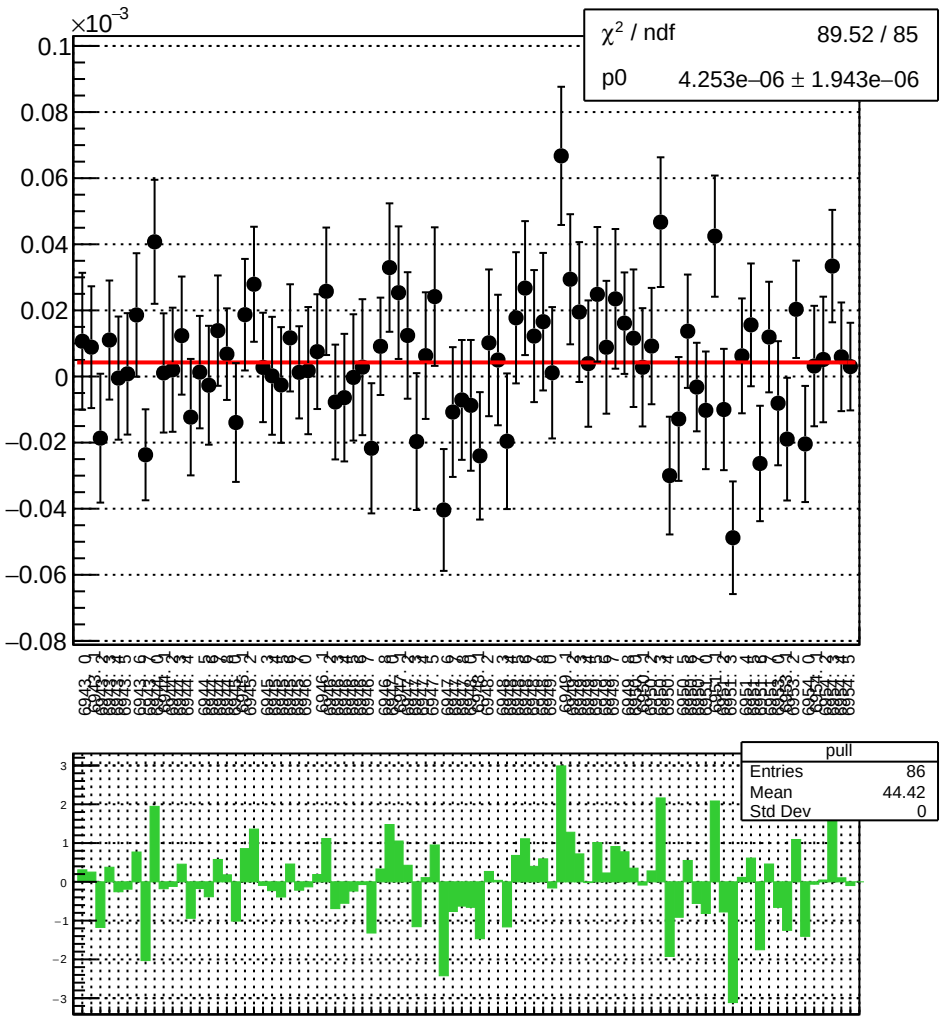

pull1D
Entries 86
Mean −0.001446
Std Dev 0.9872

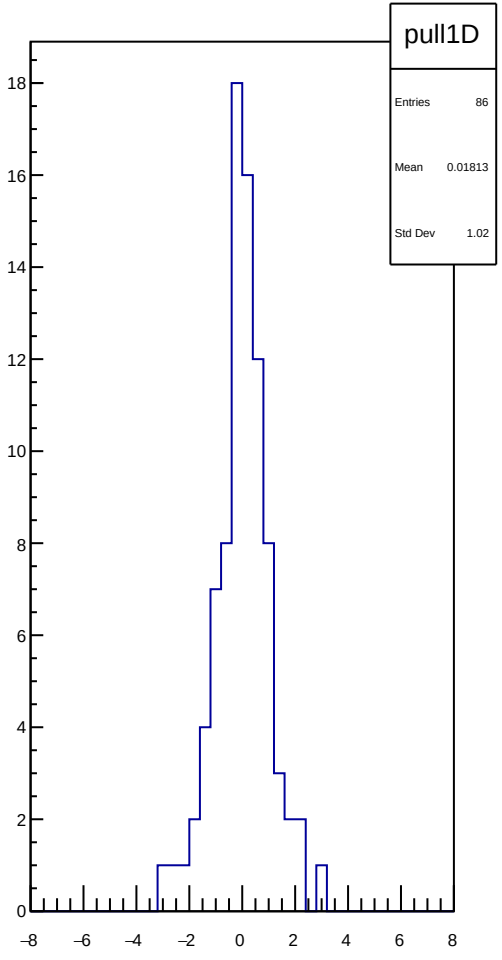

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.658e+04 / 85
p0 19.97 ± 0.01565
45
40
35
30
25
20
15

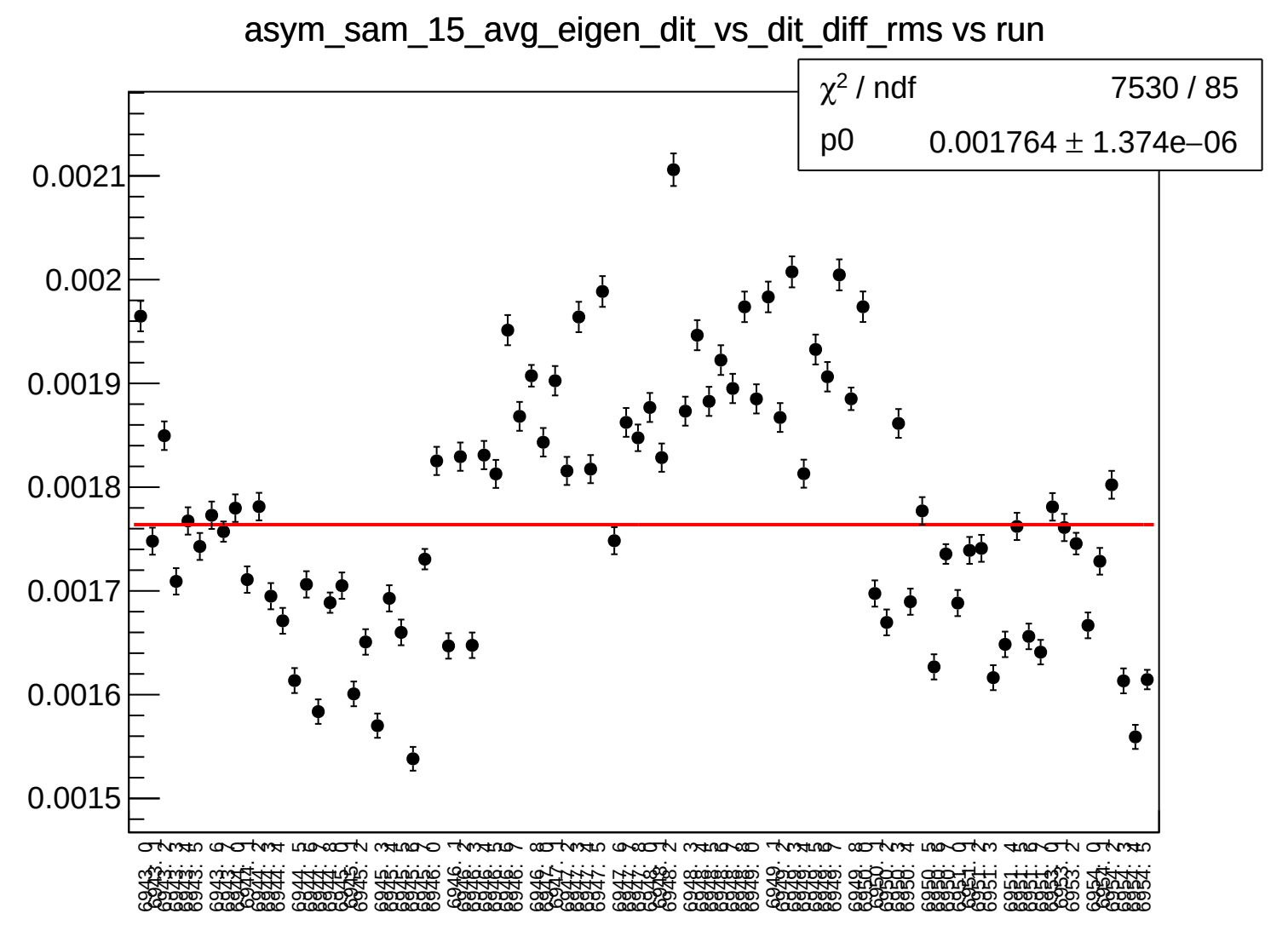

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.82 / 85
p0 0.001555 ± 0.02213
pull
Entries 86
Mean −579.7
Std Dev 0

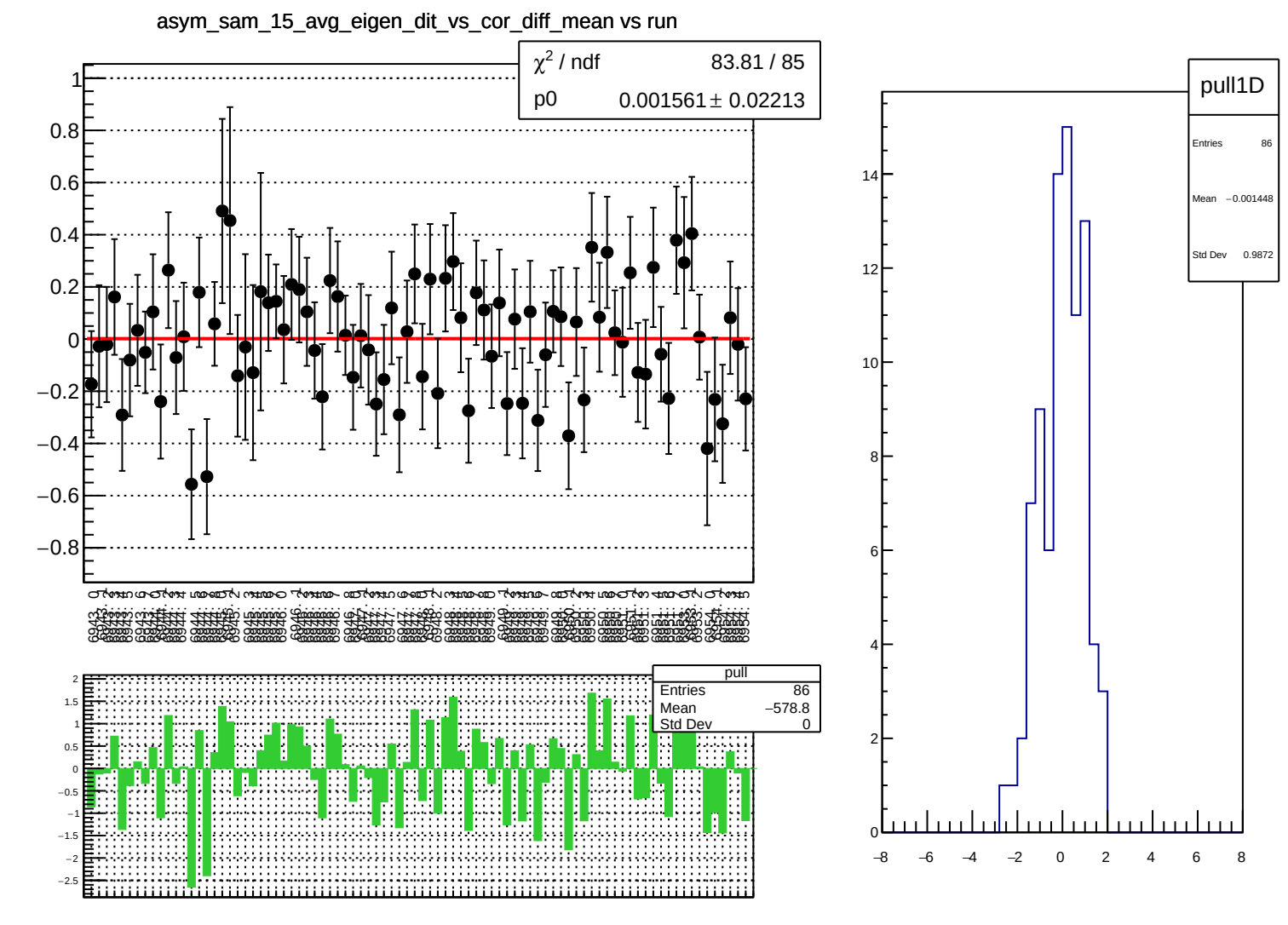

pull1D
Entries 86
Mean −0.001446
Std Dev 0.9872

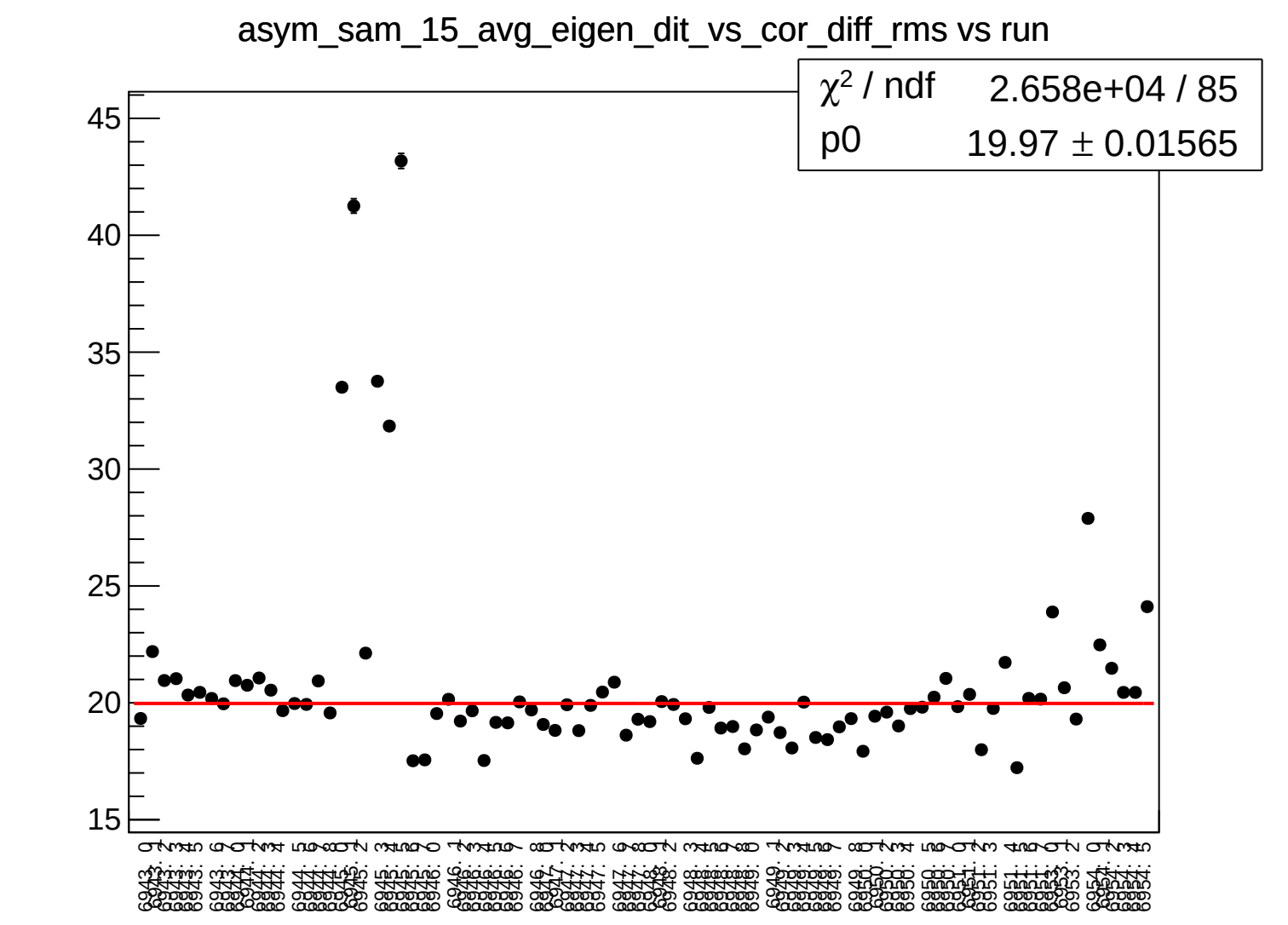

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.658e+04 / 85
p0 19.97 ± 0.01565
45
40
35
30
25
20
15

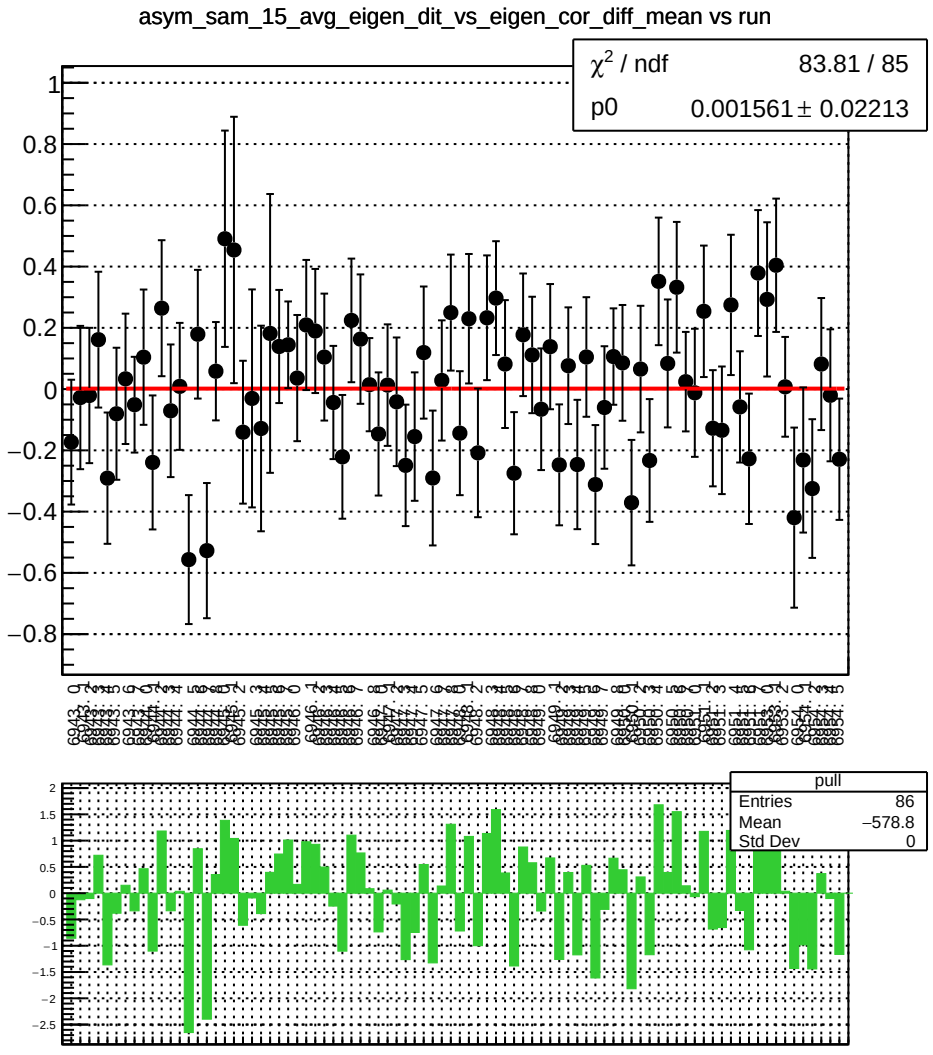

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.52 / 85
p0 4.253e−06 ± 1.943e−06
pull
Entries 86
Mean 44.42
Std Dev 0

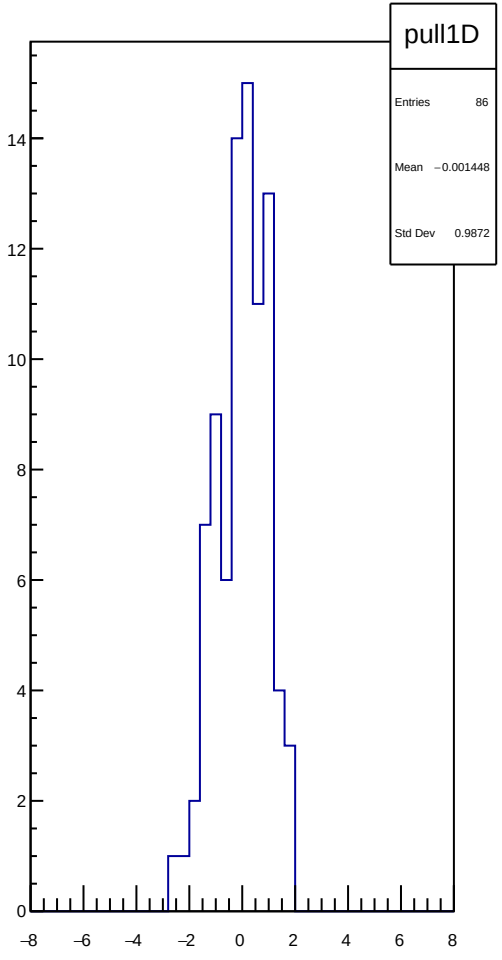

pull1D
Entries 86
Mean 0.01813
Std Dev 1.02

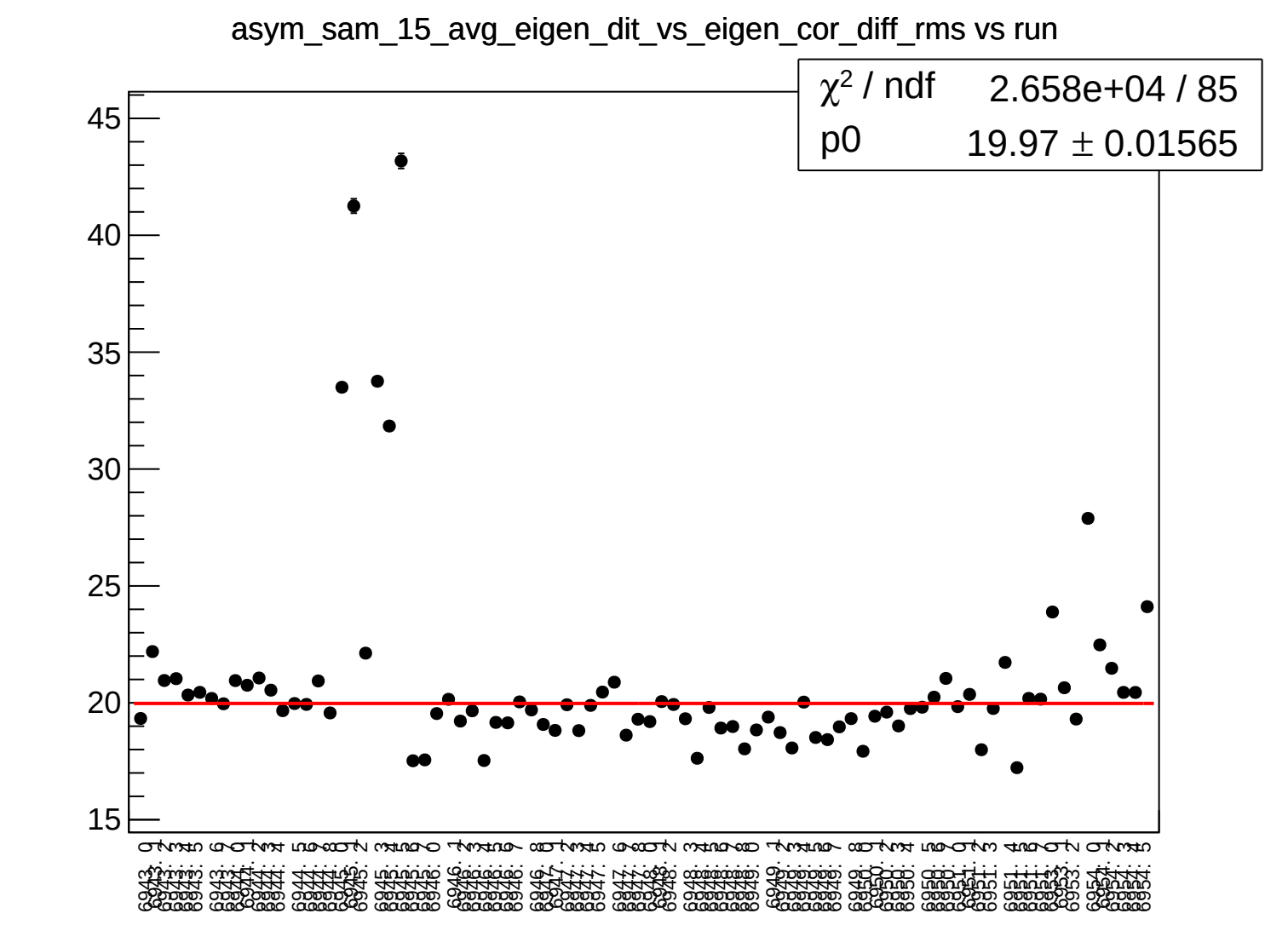

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7530 / 85
p0 0.001764 ± 1.374e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

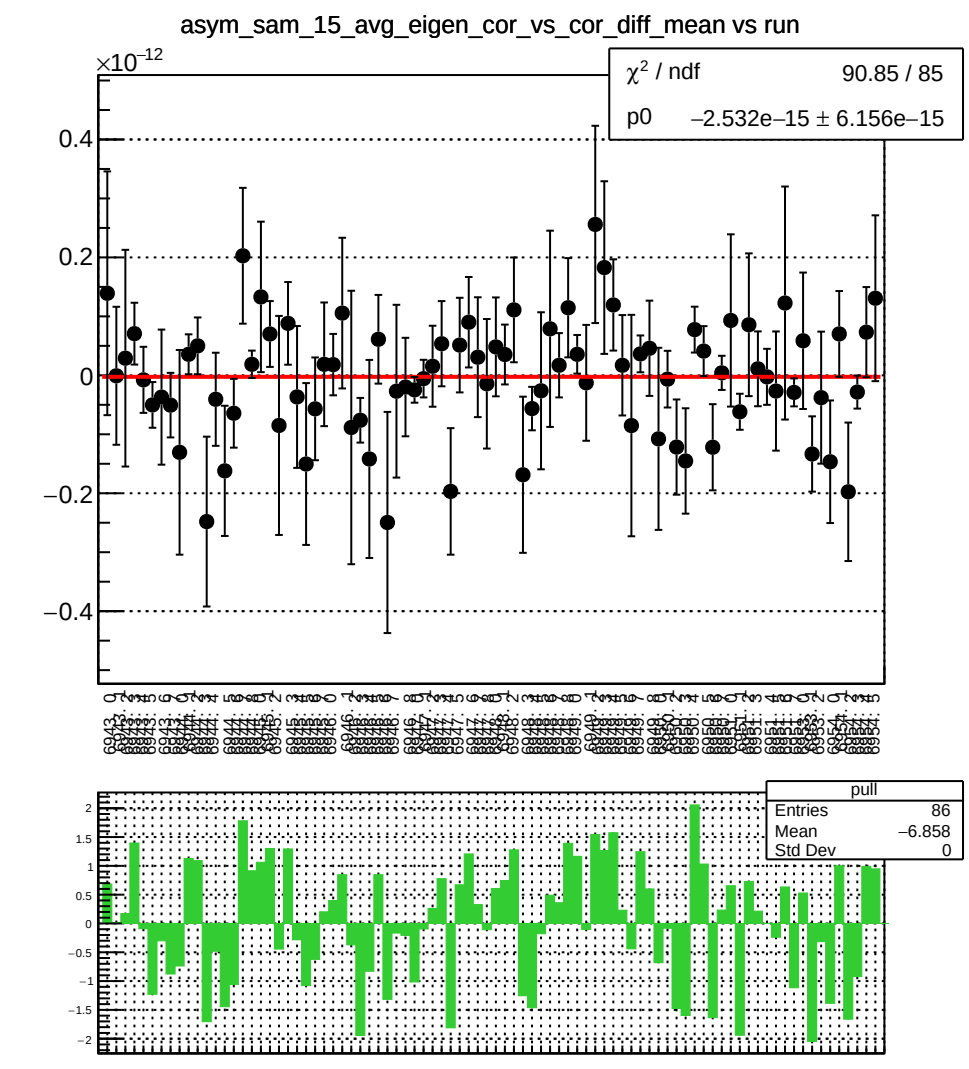

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.81 / 85
p0 0.001561 ± 0.02213
pull
Entries 86
Mean −578.8
Std Dev 0
pull1D
Entries 86
Mean −0.001448
Std Dev 0.9872

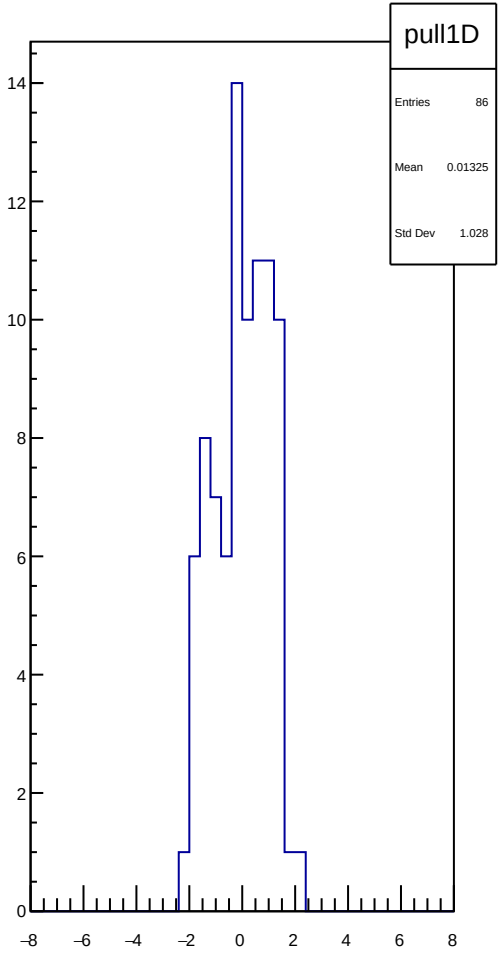

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.658e+04 / 85
p0 19.97 ± 0.01565
45
40
35
30
25
20
15

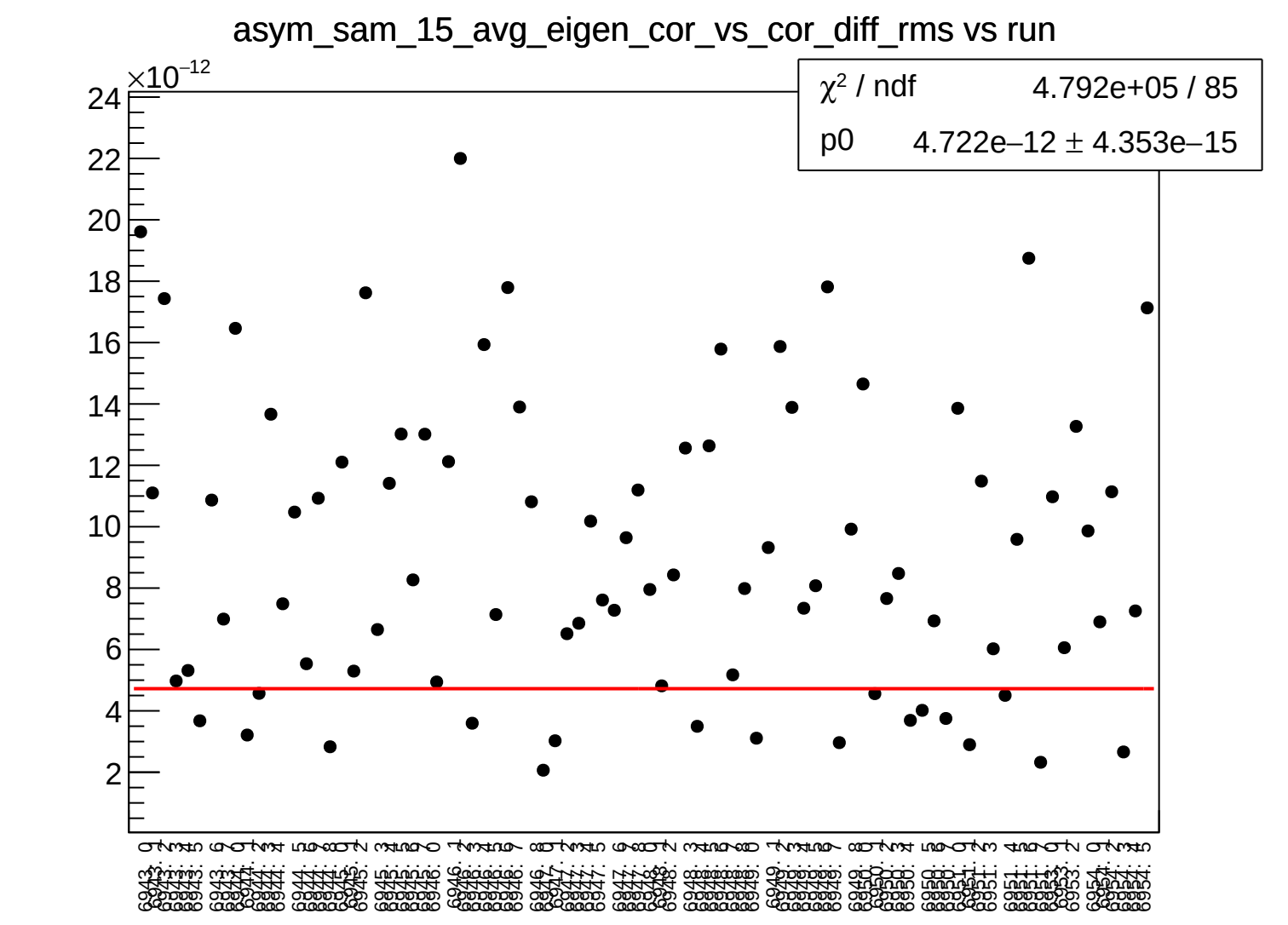

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.81 / 85
p0 0.001561 ± 0.02213
pull
Entries 86
Mean −578.8
Std Dev 0

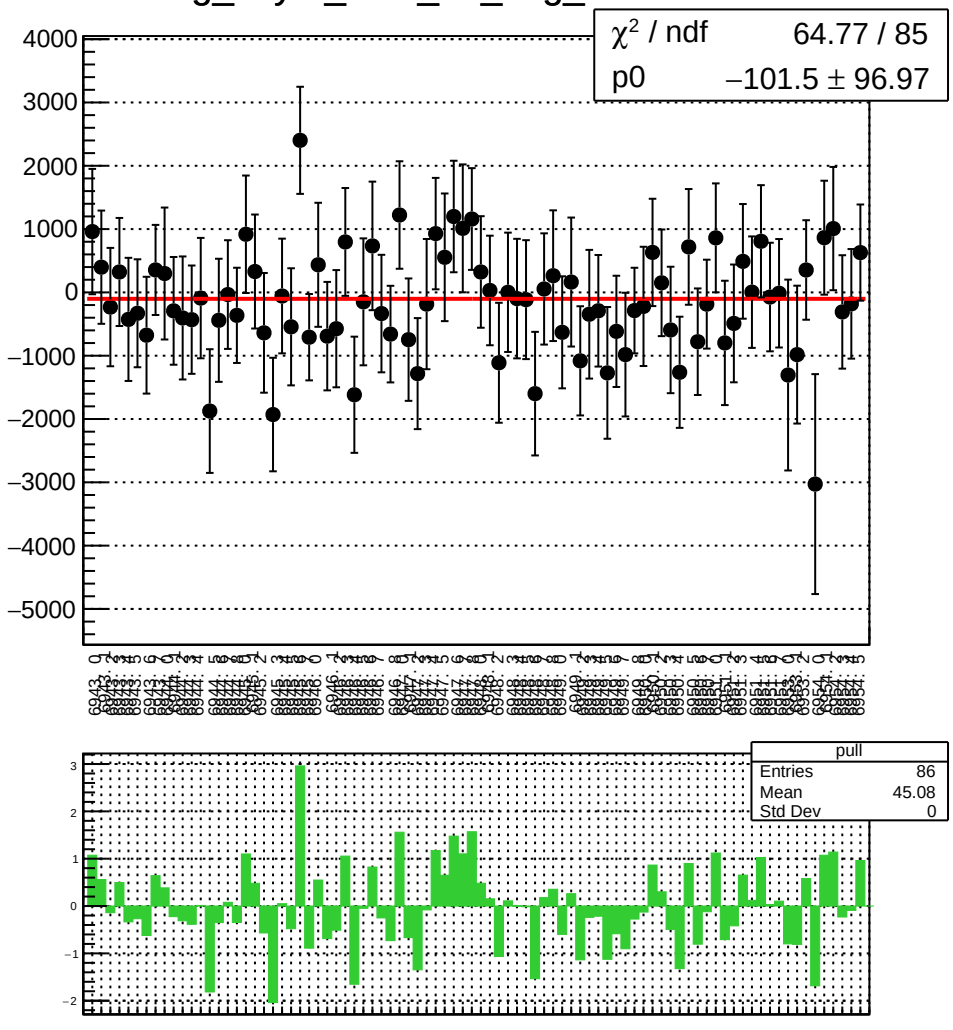

pull1D
Entries 86
Mean −0.001448
Std Dev 0.9872

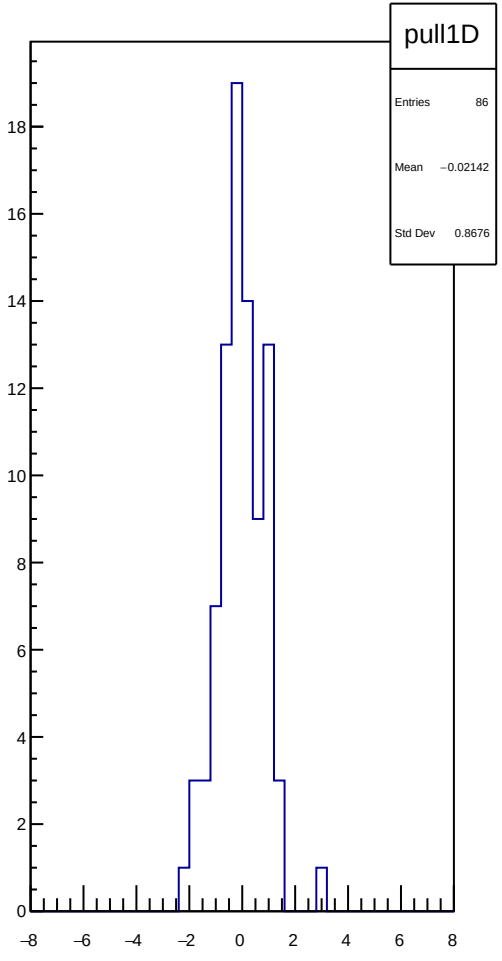

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.658e+04 / 85
p0 19.97 ± 0.01565
45
40
35
30
25
20
15

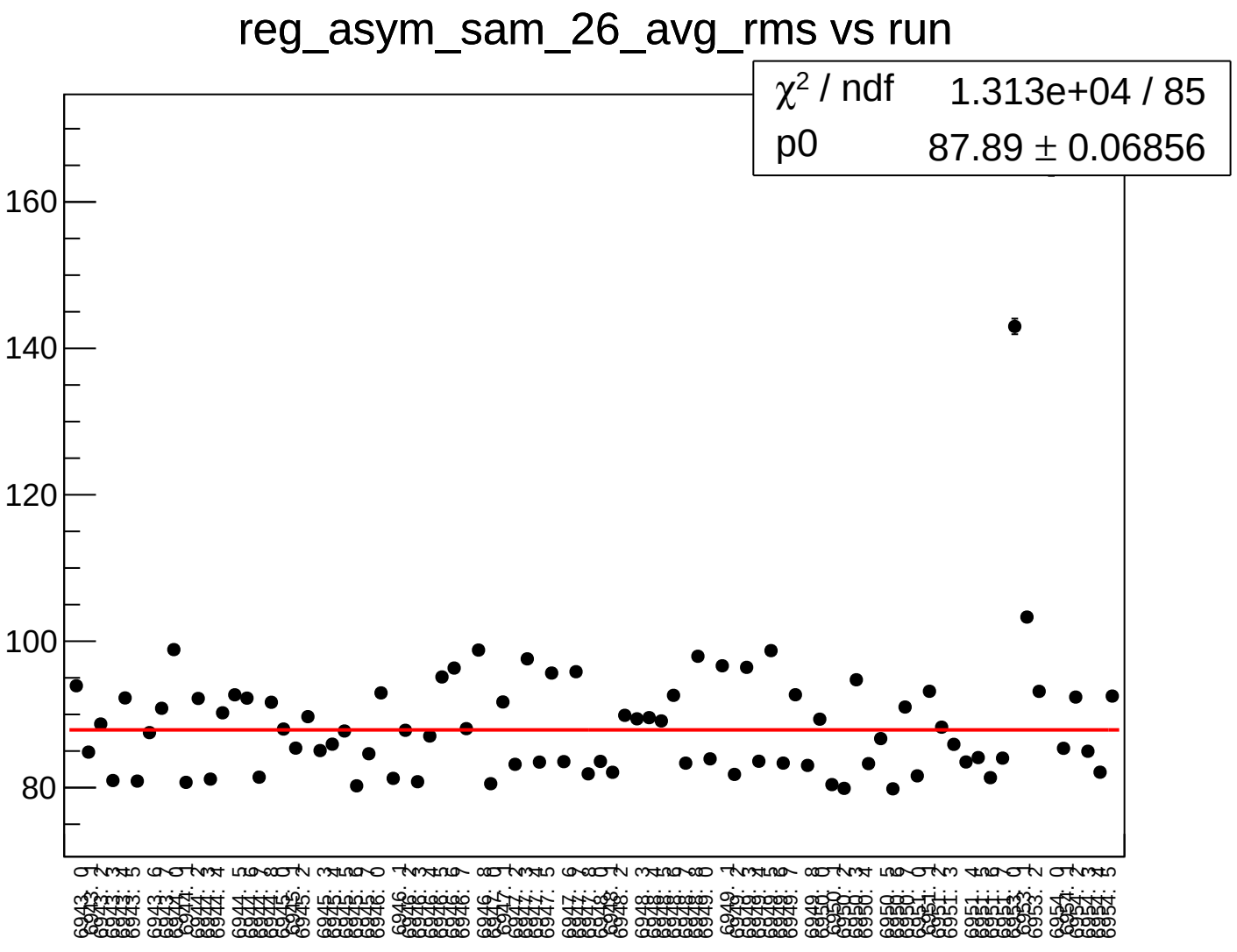

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 90.85 / 85
p0 −2.532e−15 ± 6.156e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 86
Mean −6.858
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

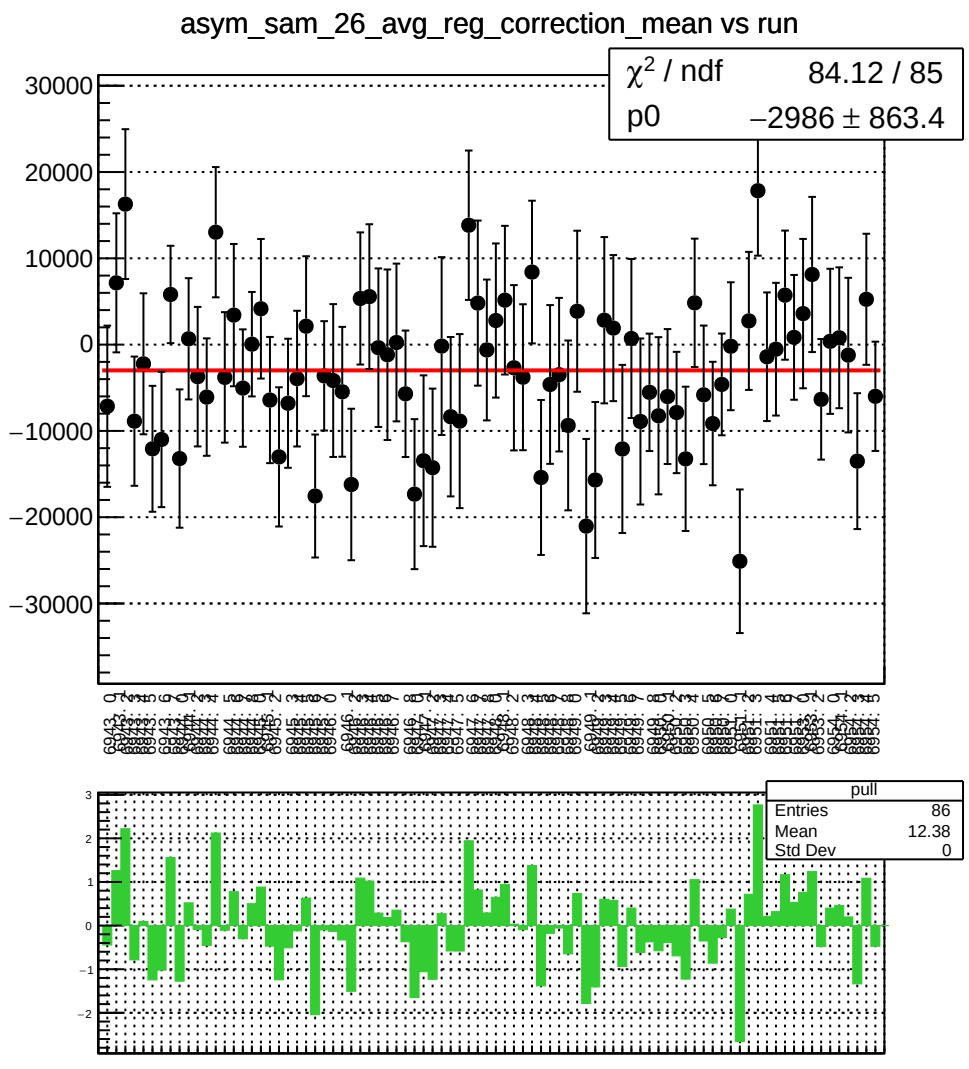

pull1D
Entries 86
Mean 0.01325
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

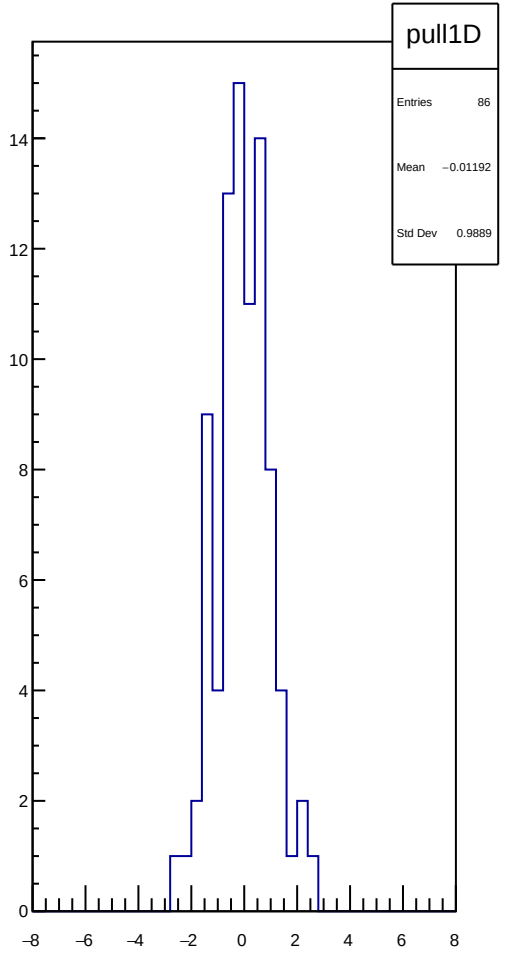

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.792e+05 / 85
p0 4.722e−12 ± 4.353e−15

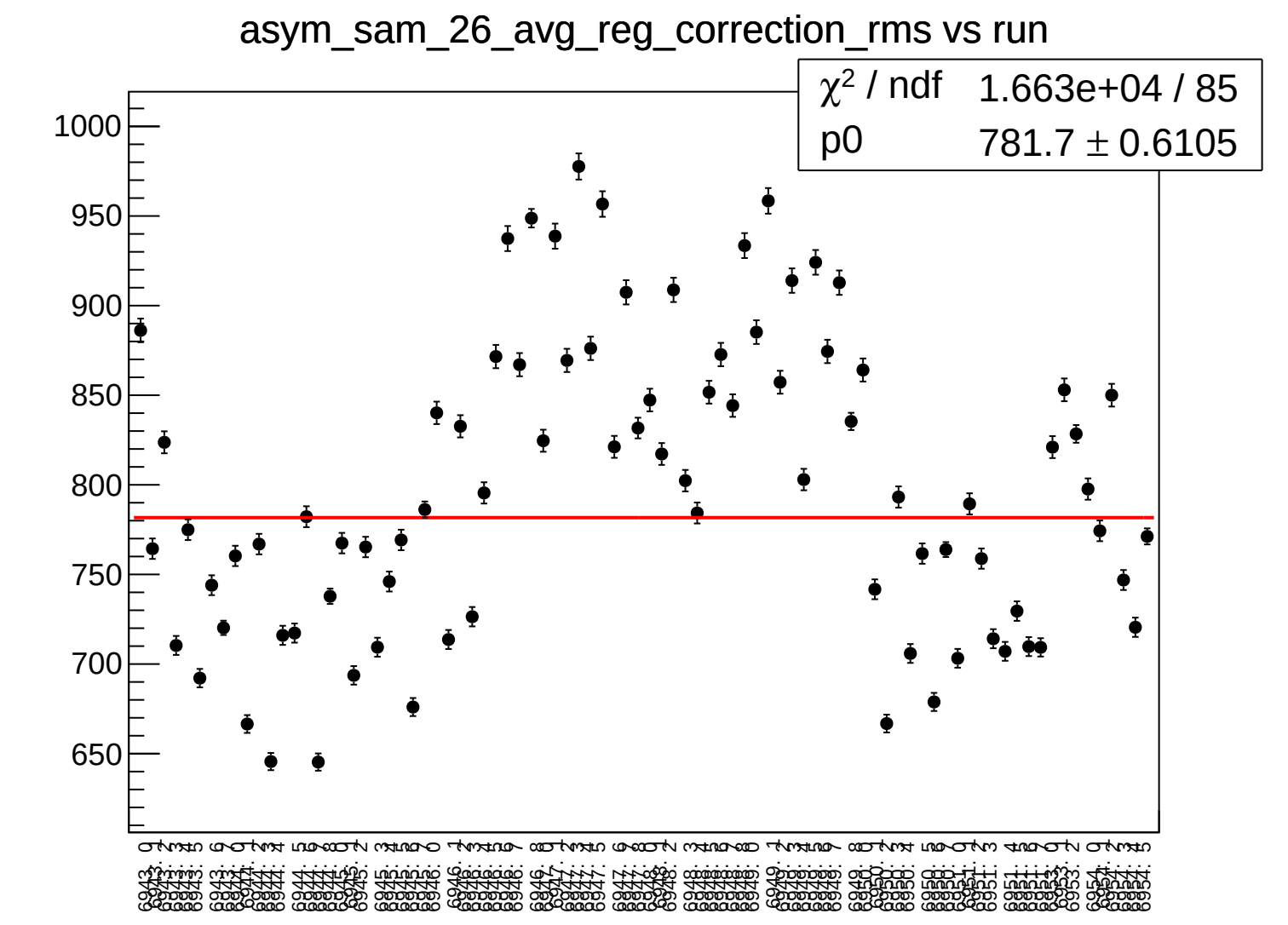

reg_asym_sam_26_avg_mean vs run
χ² / ndf 64.77 / 85
p0 −101.5 ± 96.97
pull
Entries 86
Mean 45.08
Std Dev 0

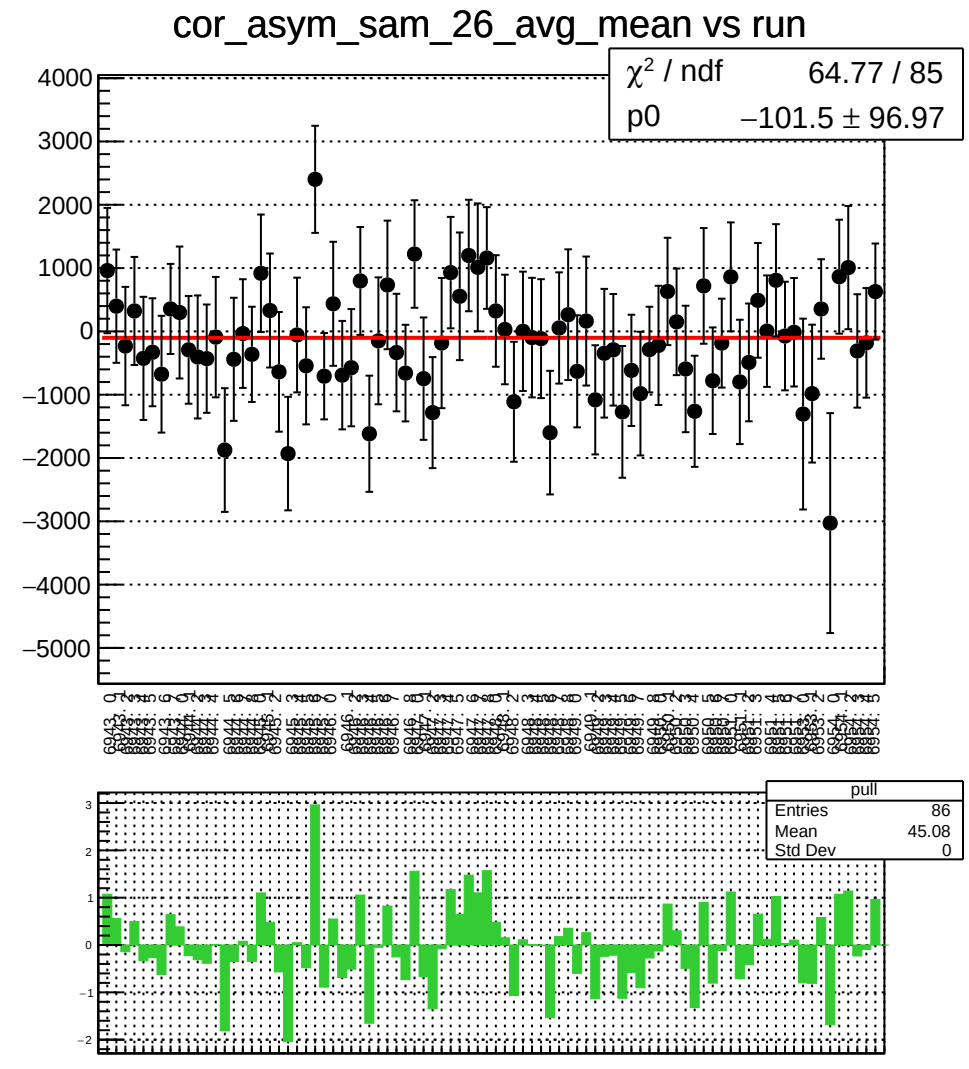

pull1D
Entries 86
Mean −0.02142
Std Dev 0.8676

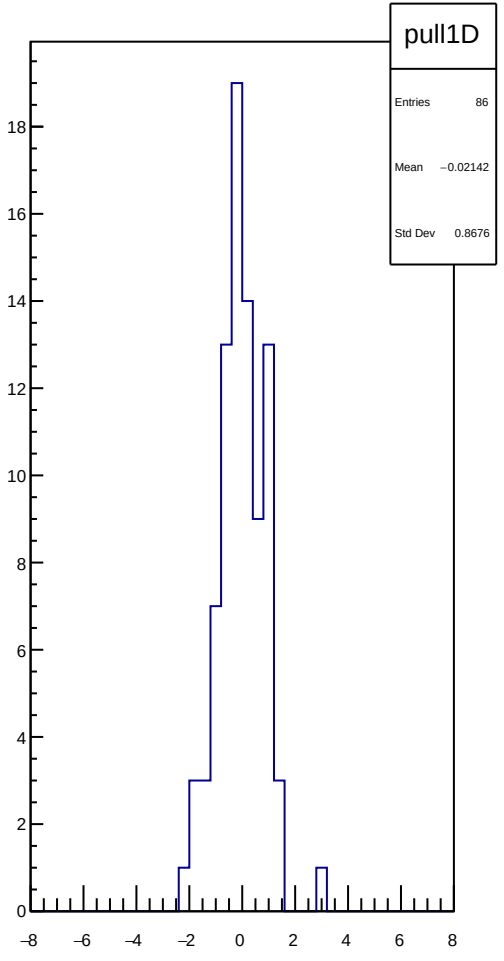

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.313e+04 / 85
p0 87.89 ± 0.06856
160
140
120
100
80

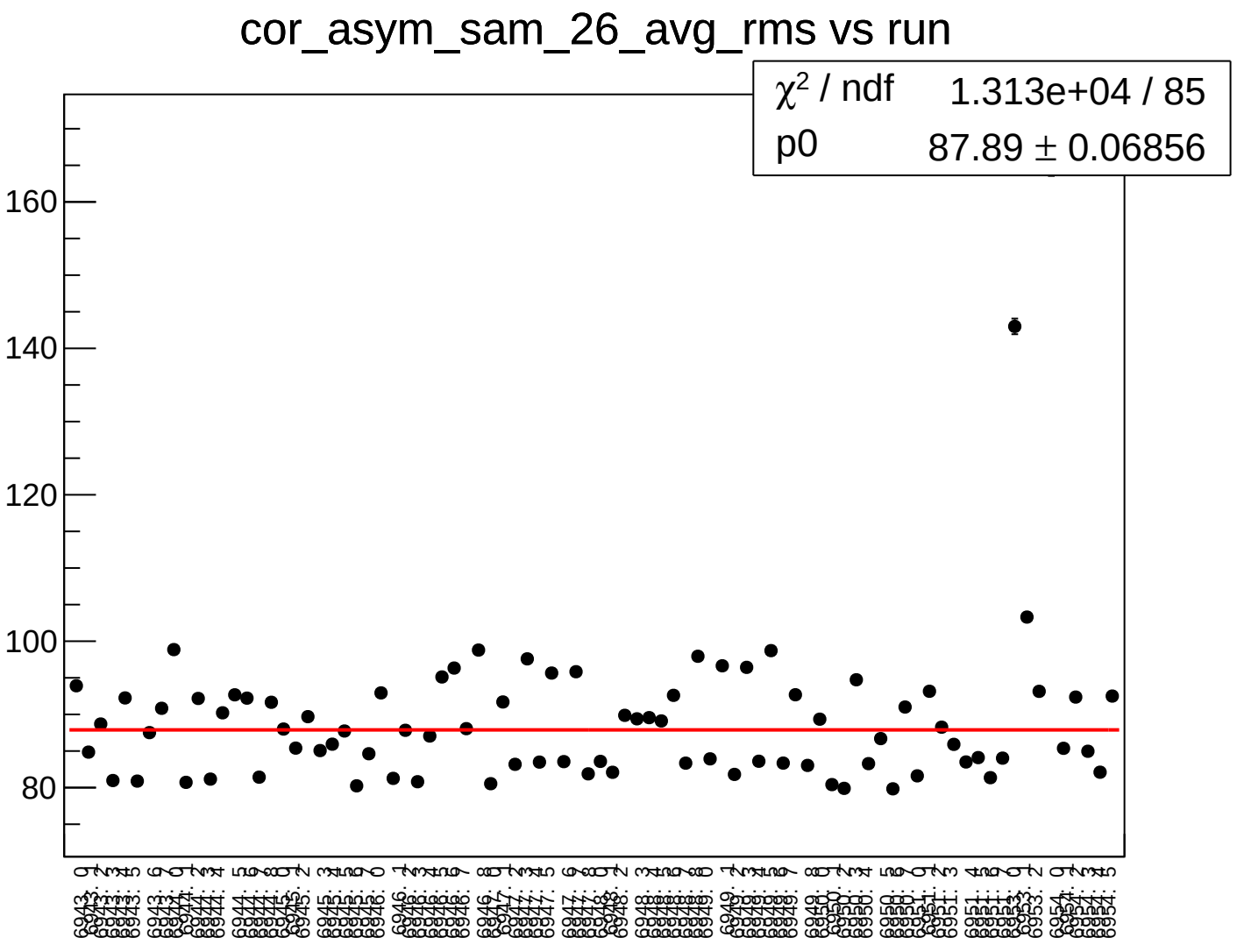

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 84.12 / 85
p0 −2986 ± 863.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 12.38
Std Dev 0
3
2
1
0
−1
−2

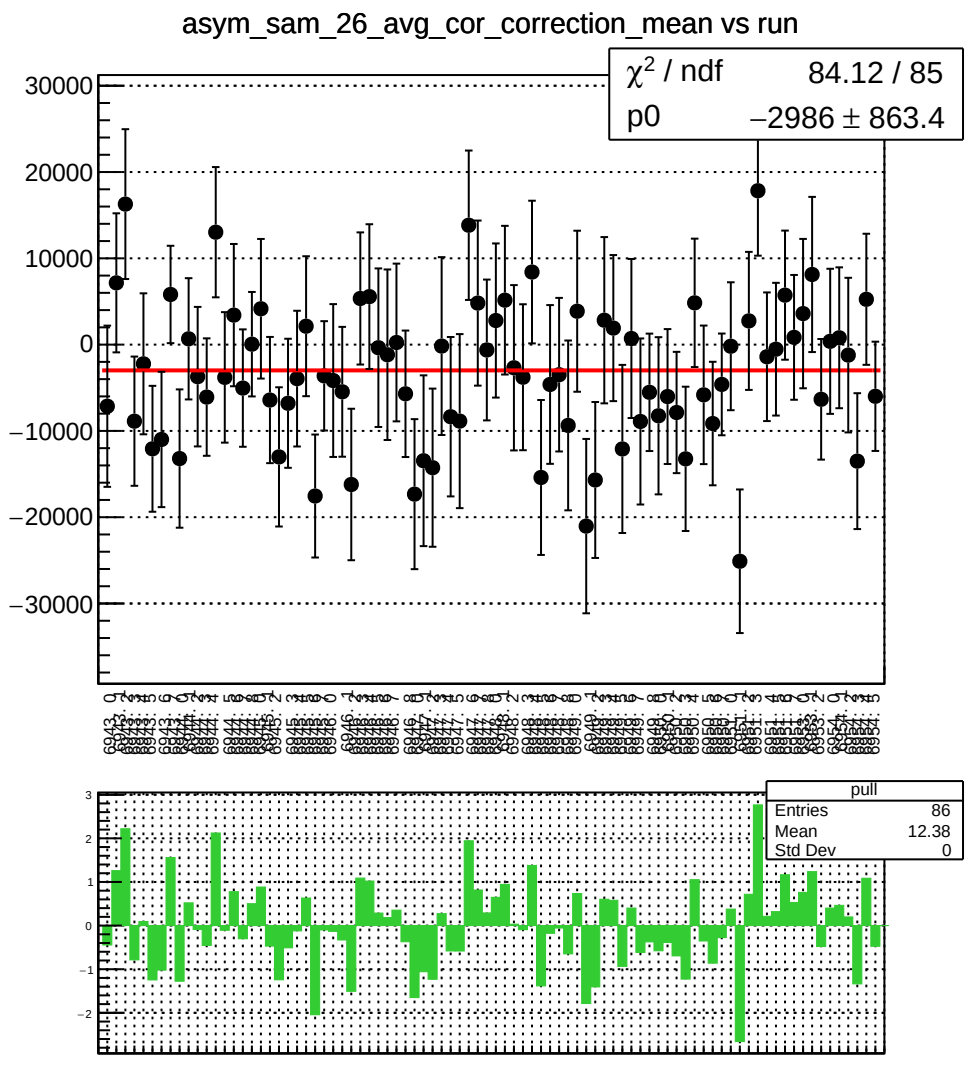

pull1D
Entries 86
Mean −0.01192
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

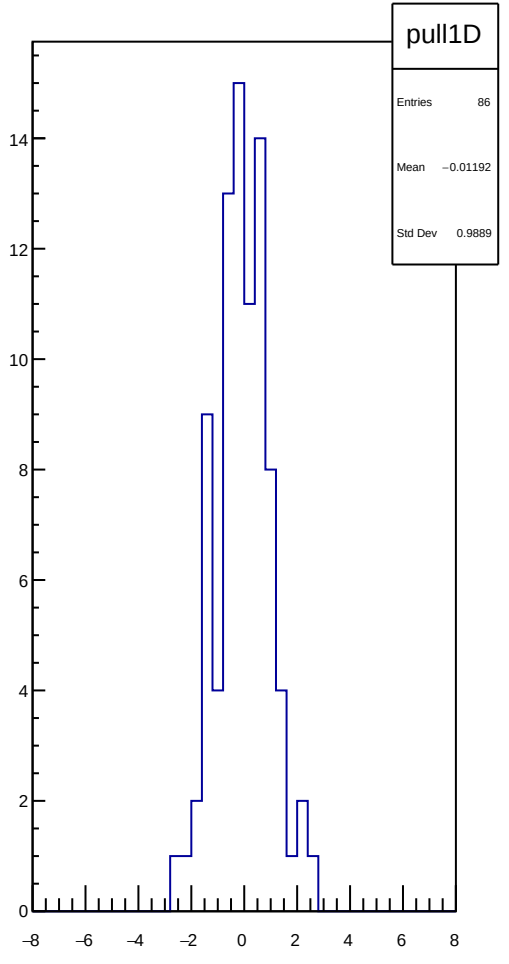

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 1.663e+04 / 85
p0 781.7 ± 0.6105
1000
950
900
850
800
750
700
650

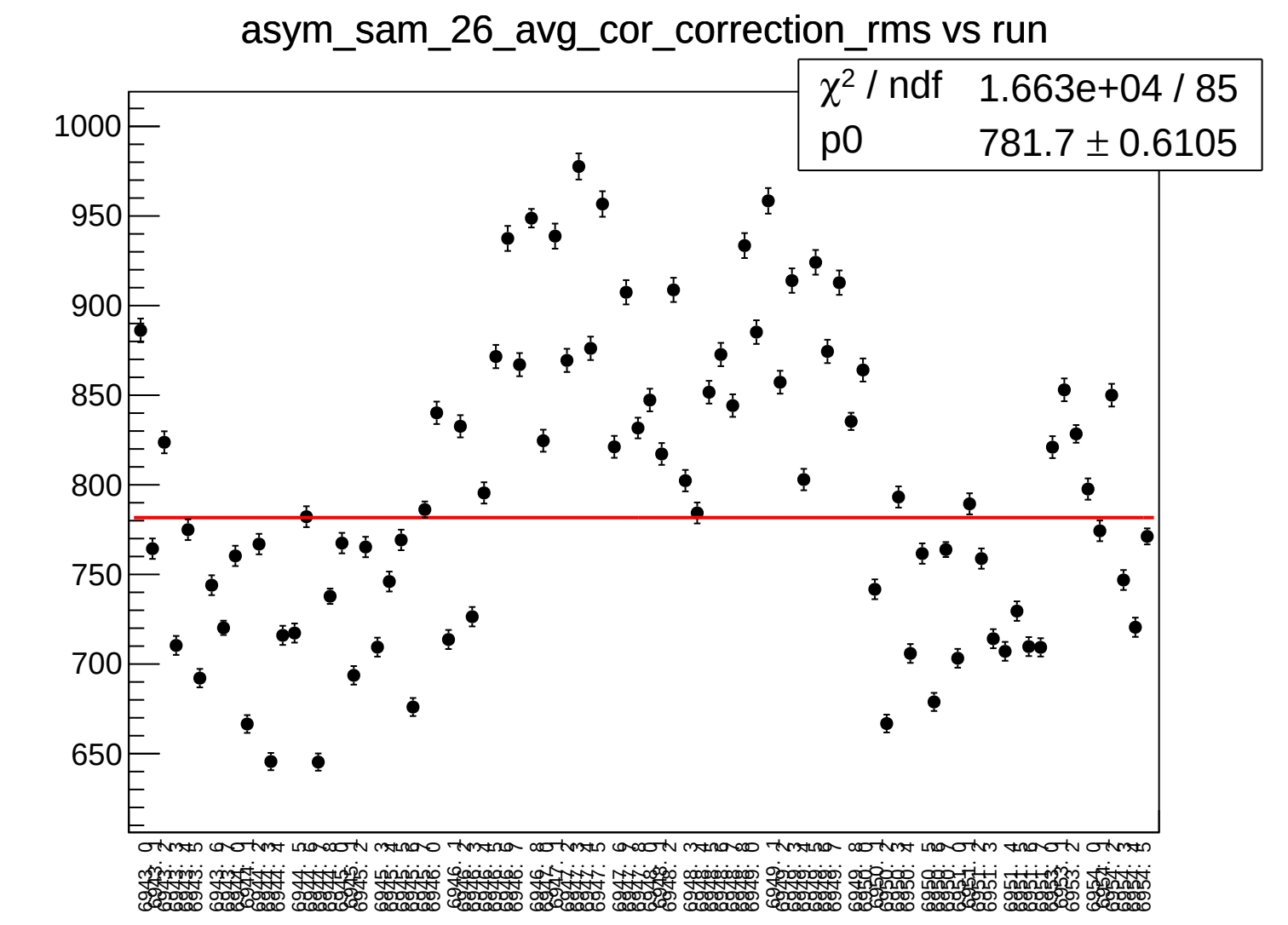

cor_asym_sam_26_avg_mean vs run
χ² / ndf 64.77 / 85
p0 −101.5 ± 96.97
pull
Entries 86
Mean 45.08
Std Dev 0

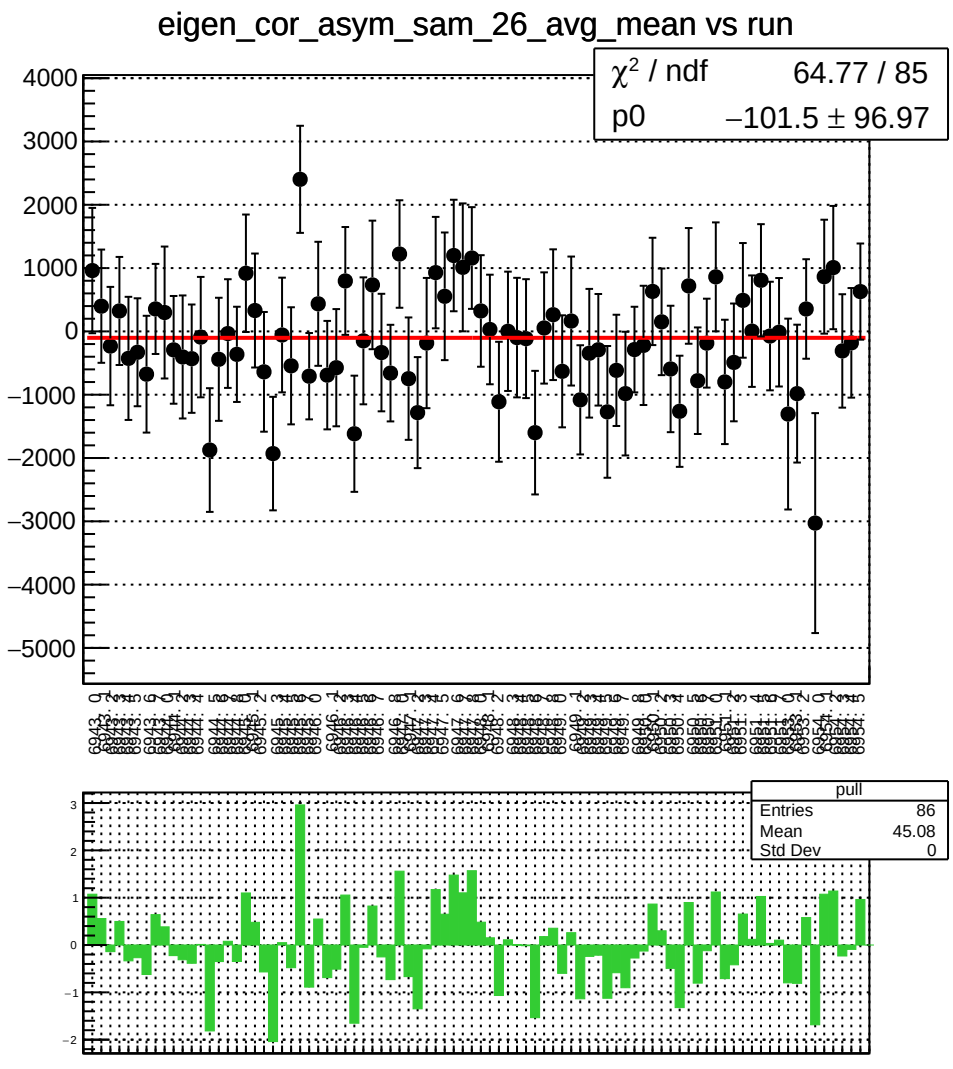

pull1D
Entries 86
Mean −0.02142
Std Dev 0.8676

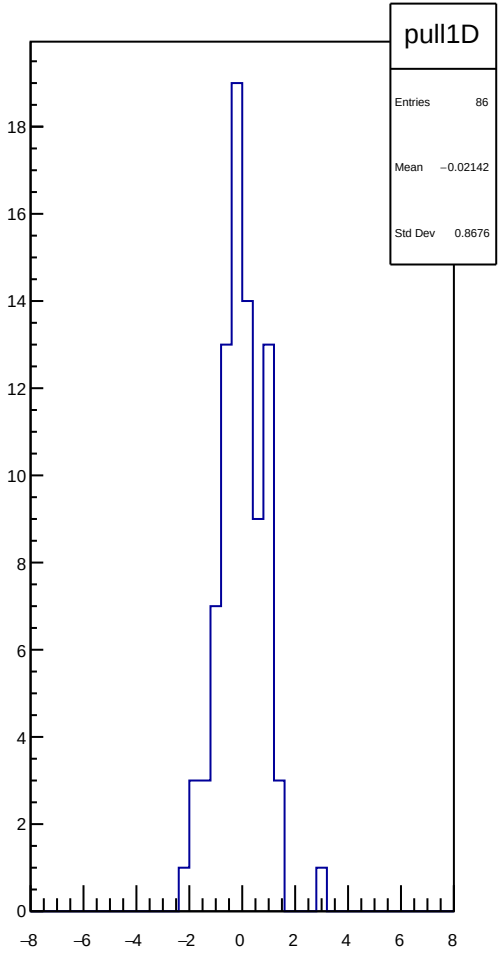

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.313e+04 / 85
p0 87.89 ± 0.06856
160
140
120
100
80

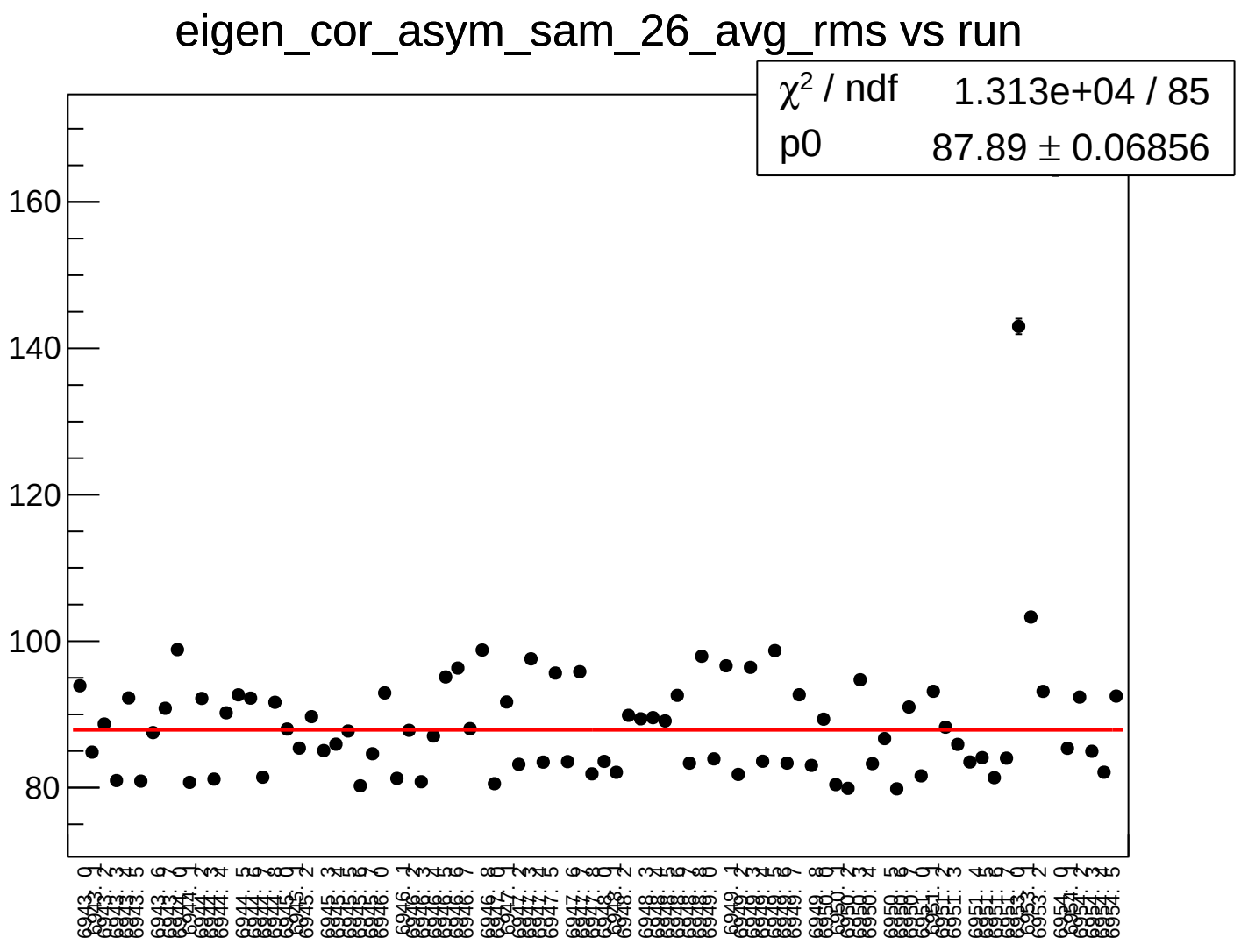

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 84.12 / 85
p0 −2986 ± 863.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 12.38
Std Dev 0
3
2
1
0
−1
−2

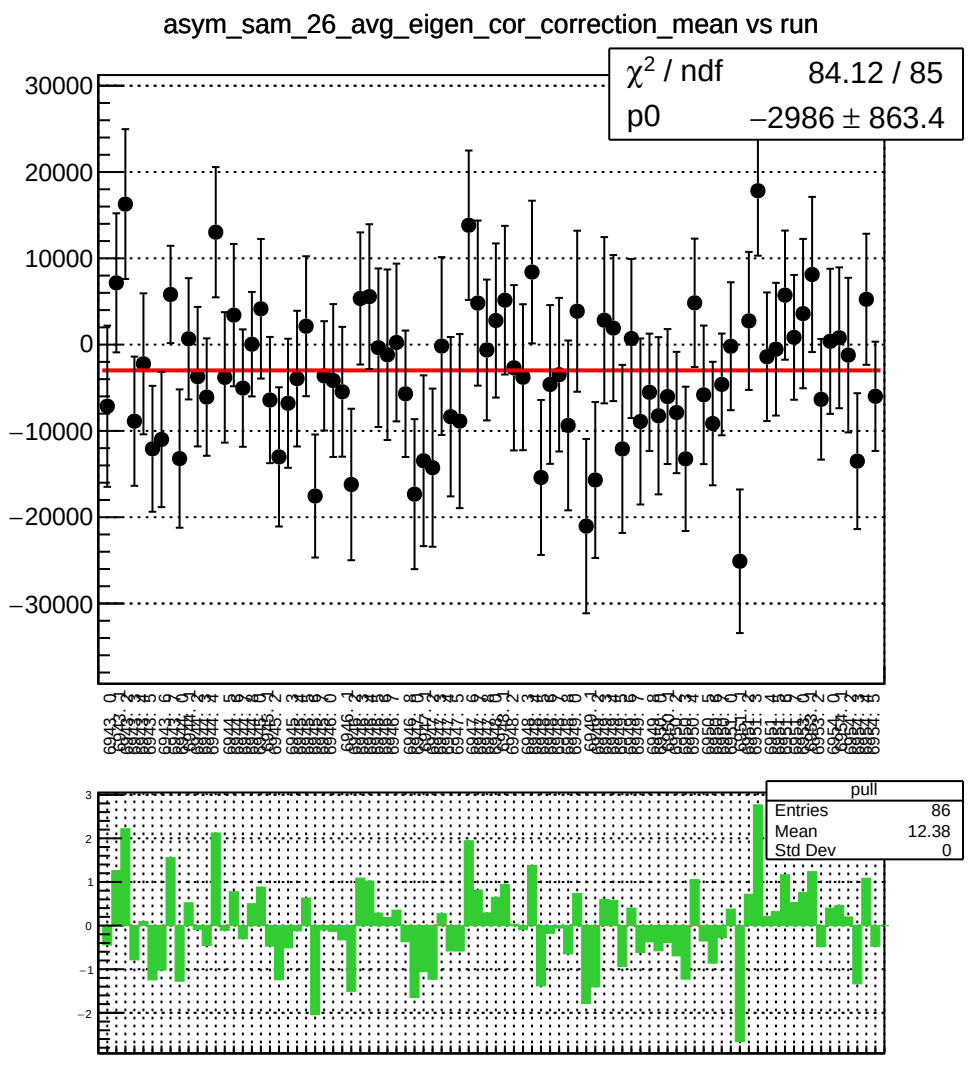

pull1D
Entries 86
Mean −0.01192
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

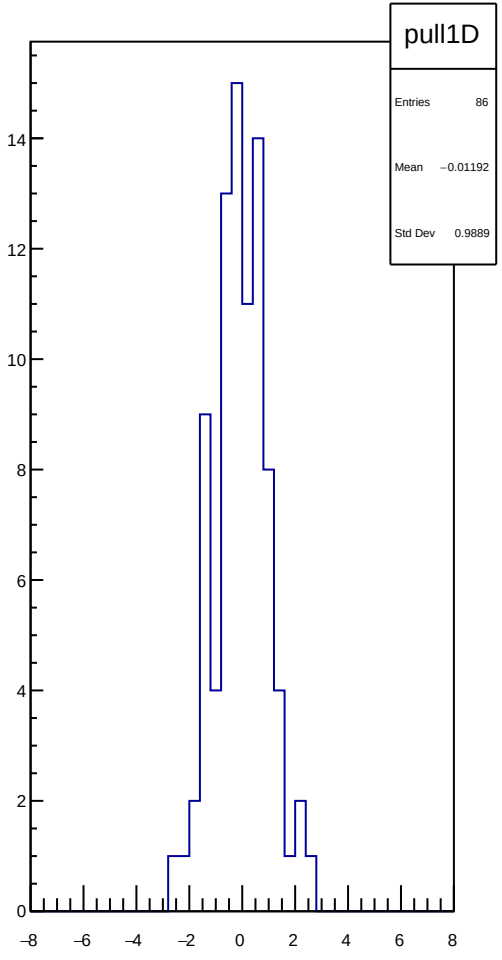

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 1.663e+04 / 85
p0 781.7 ± 0.6105
1000
950
900
850
800
750
700
650

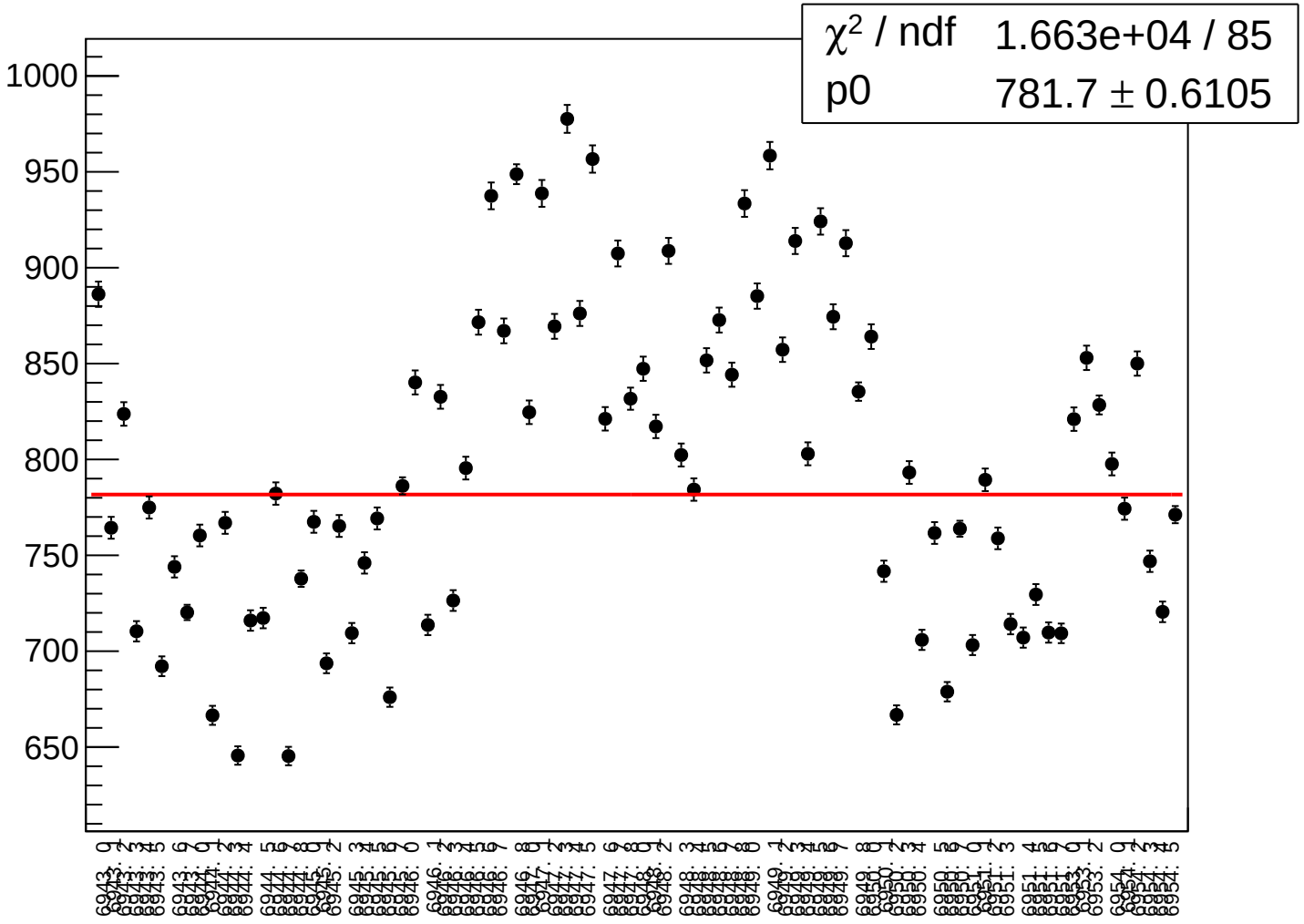

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 64.77 / 85
p0 −101.5 ± 96.97
pull
Entries 86
Mean 45.08
Std Dev 0

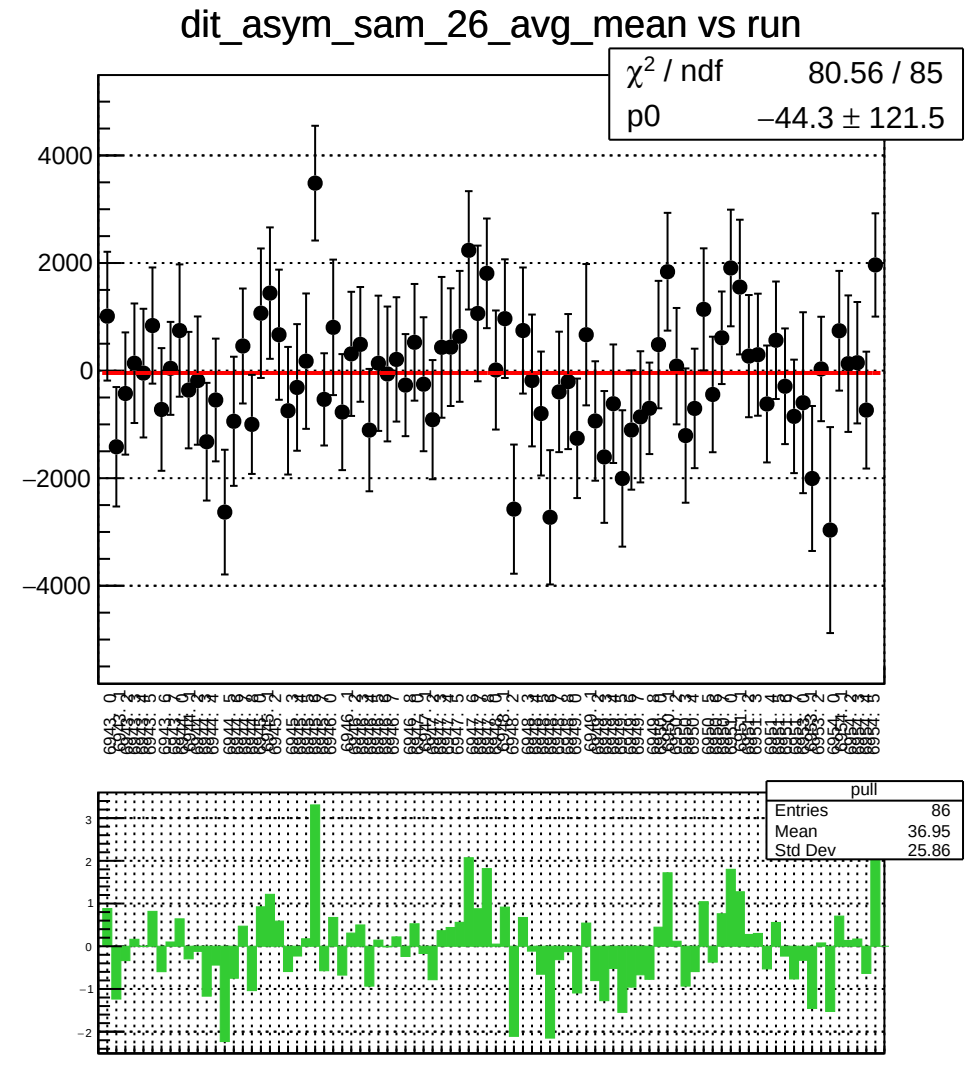

pull1D
Entries 86
Mean −0.02142
Std Dev 0.8676

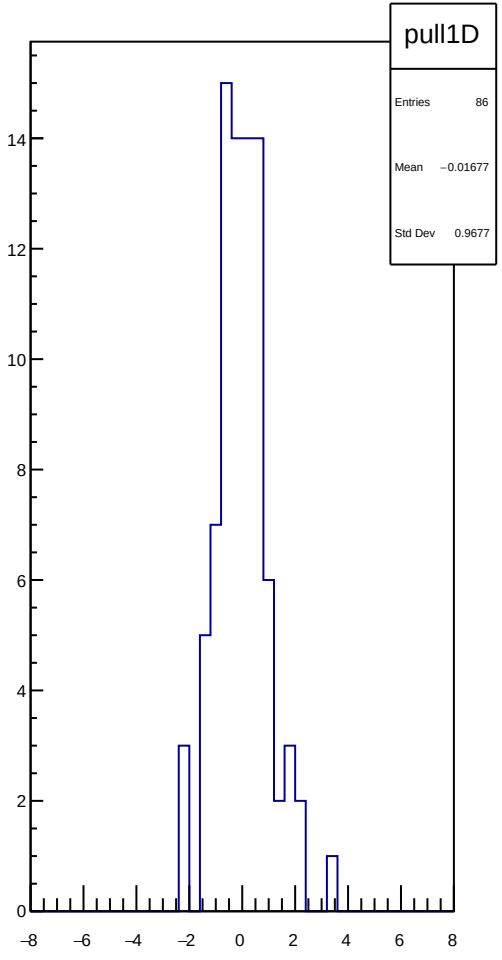

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.313e+04 / 85
p0 87.89 ± 0.06856
160
140
120
100
80

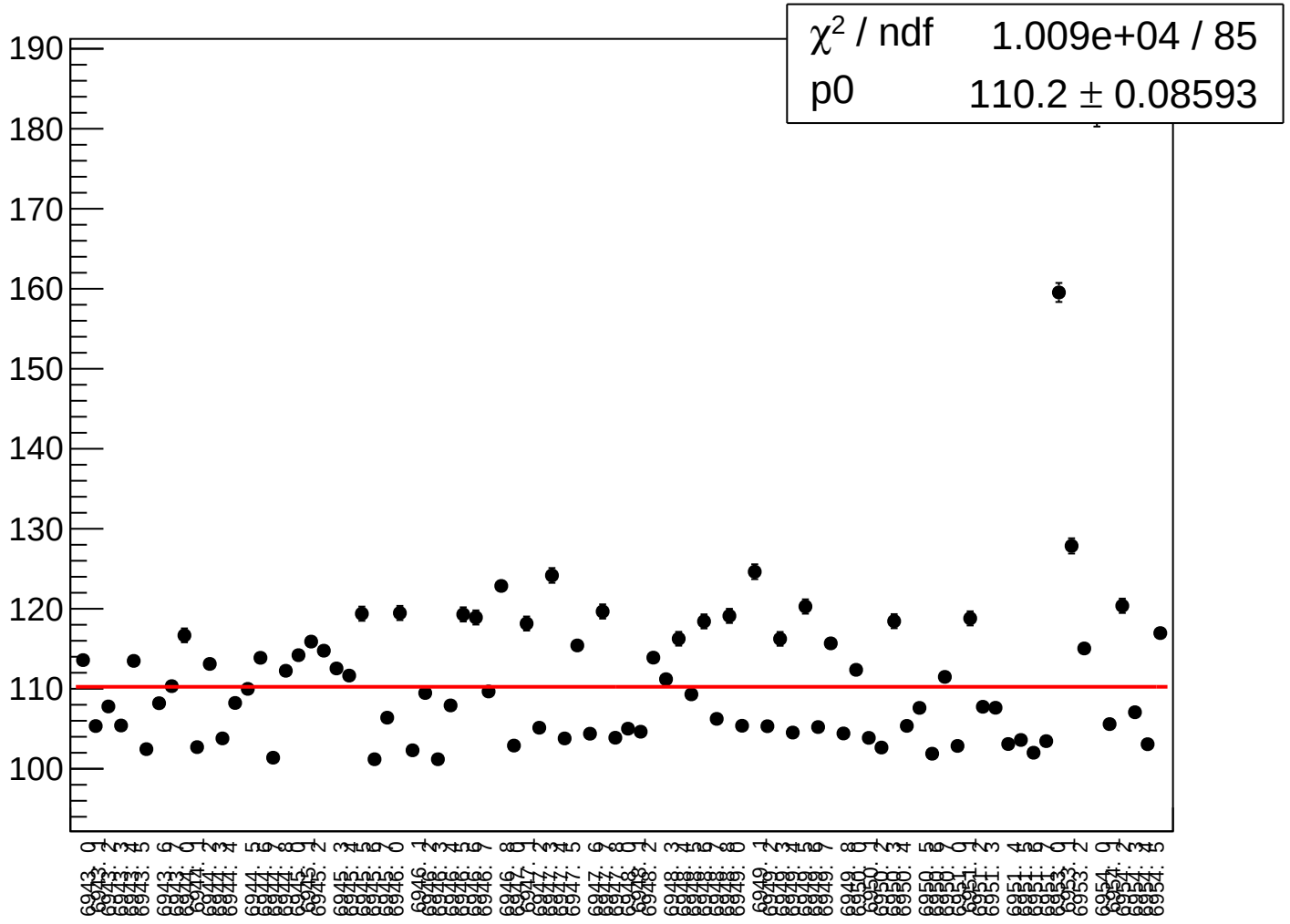

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.12 / 85
p0 −2986 ± 863.4
pull
Entries 86
Mean 12.38
Std Dev 0

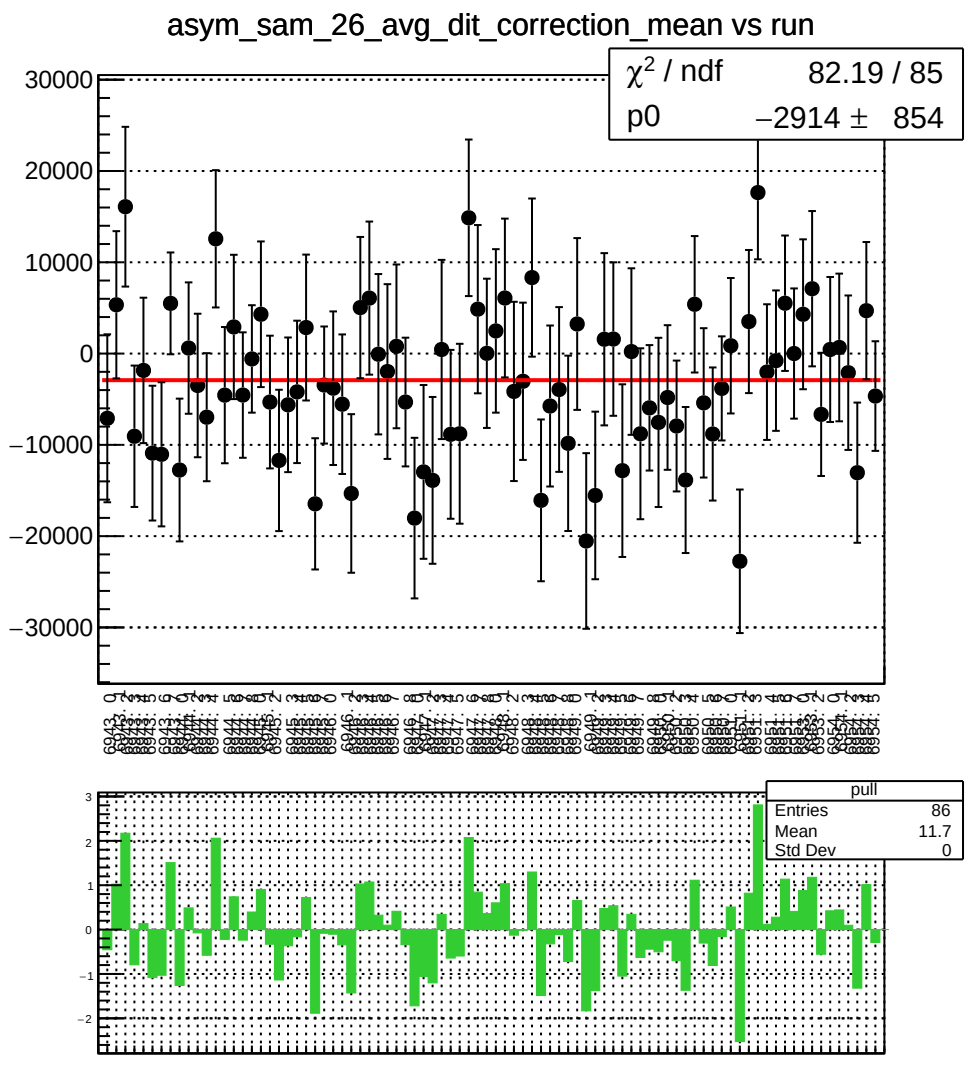

pull1D
Entries 86
Mean −0.01192
Std Dev 0.9889

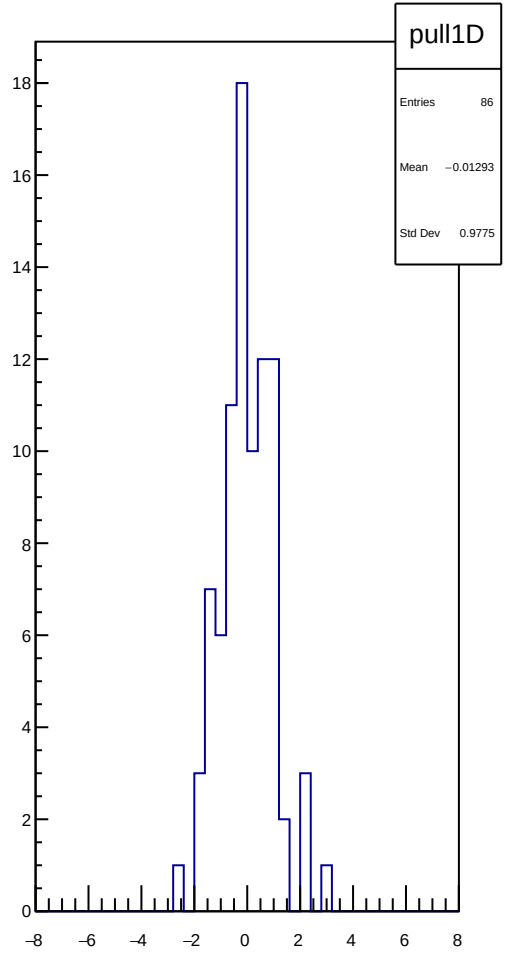

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.663e+04 / 85
p0 781.7 ± 0.6105
1000
950
900
850
800
750
700
650

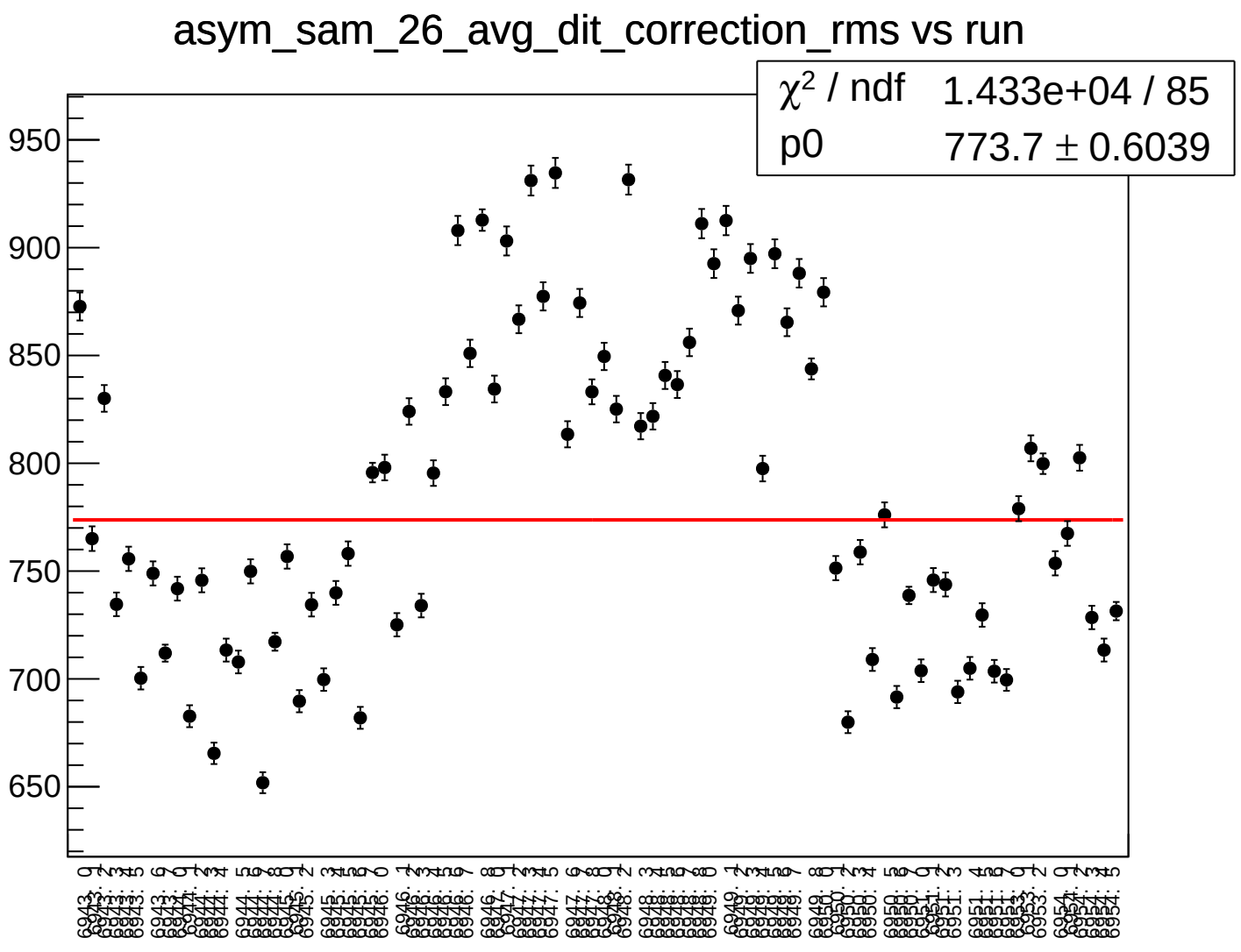

dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.56 / 85
p0 −44.3 ± 121.5
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 36.95
Std Dev 25.86
3
2
1
0
−1
−2

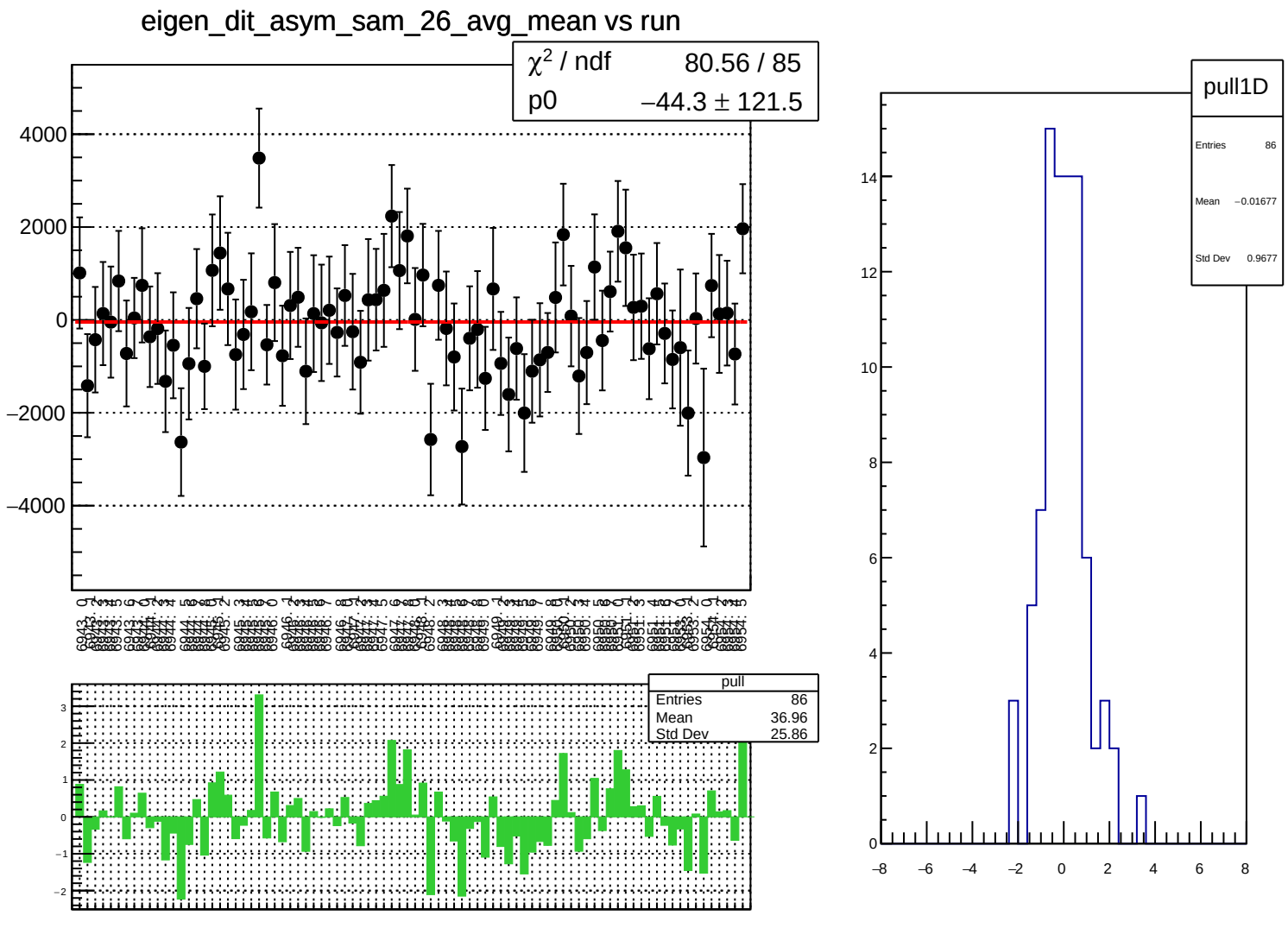

pull1D
Entries 86
Mean −0.01677
Std Dev 0.9677
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

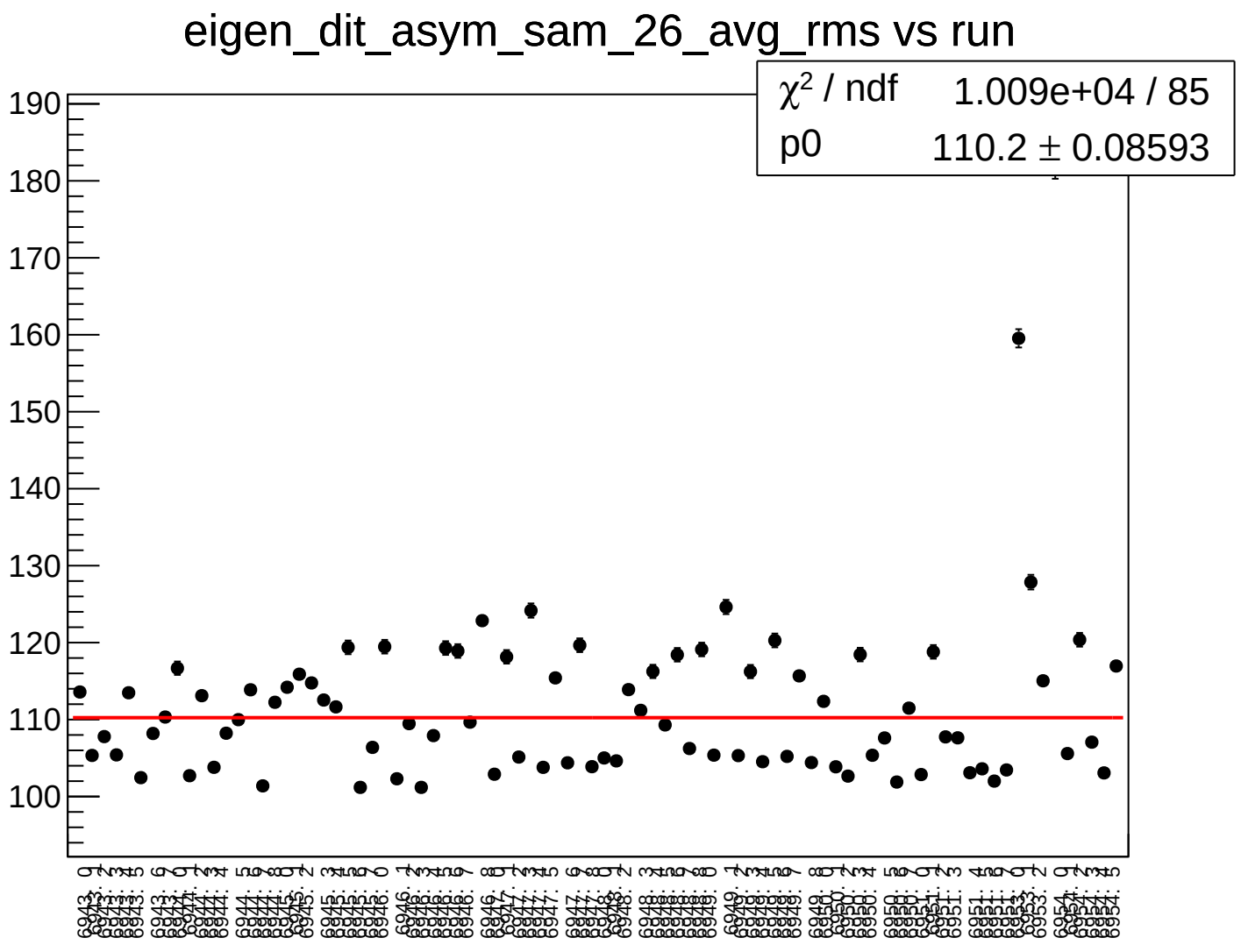

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.009e+04 / 85
p0 110.2 ± 0.08593
190
180
170
160
150
140
130
120
110
100

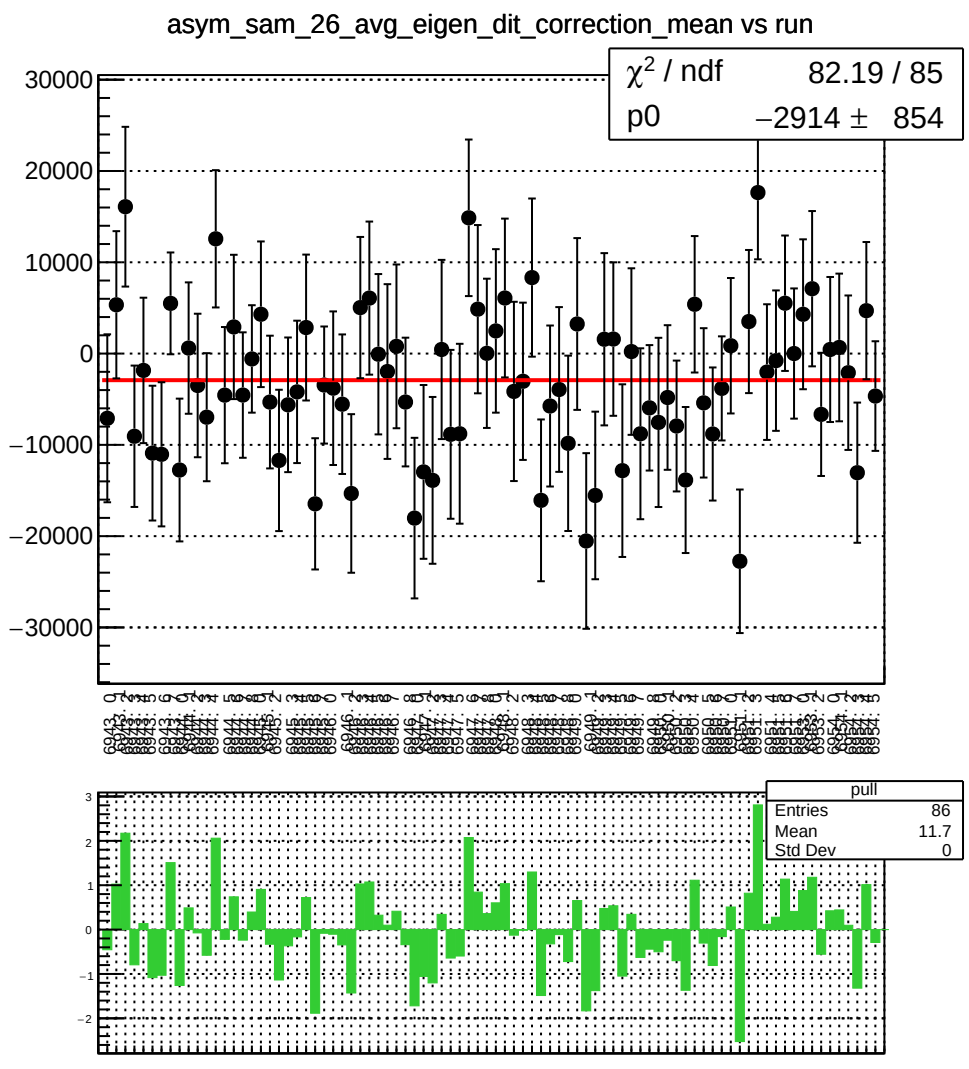

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 82.19 / 85
p0 −2914 ± 854
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 11.7
Std Dev 0
3
2
1
0
−1
−2

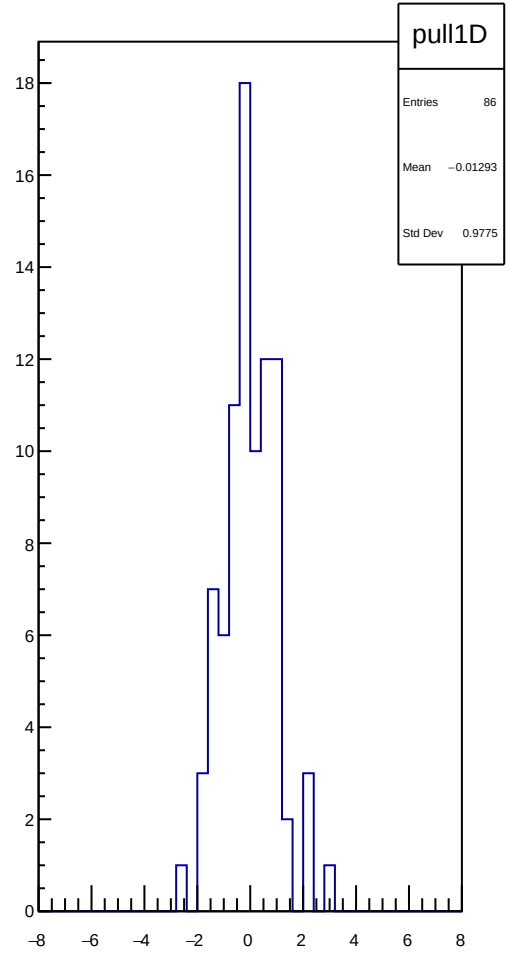

pull1D
Entries 86
Mean −0.01293
Std Dev 0.9775
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

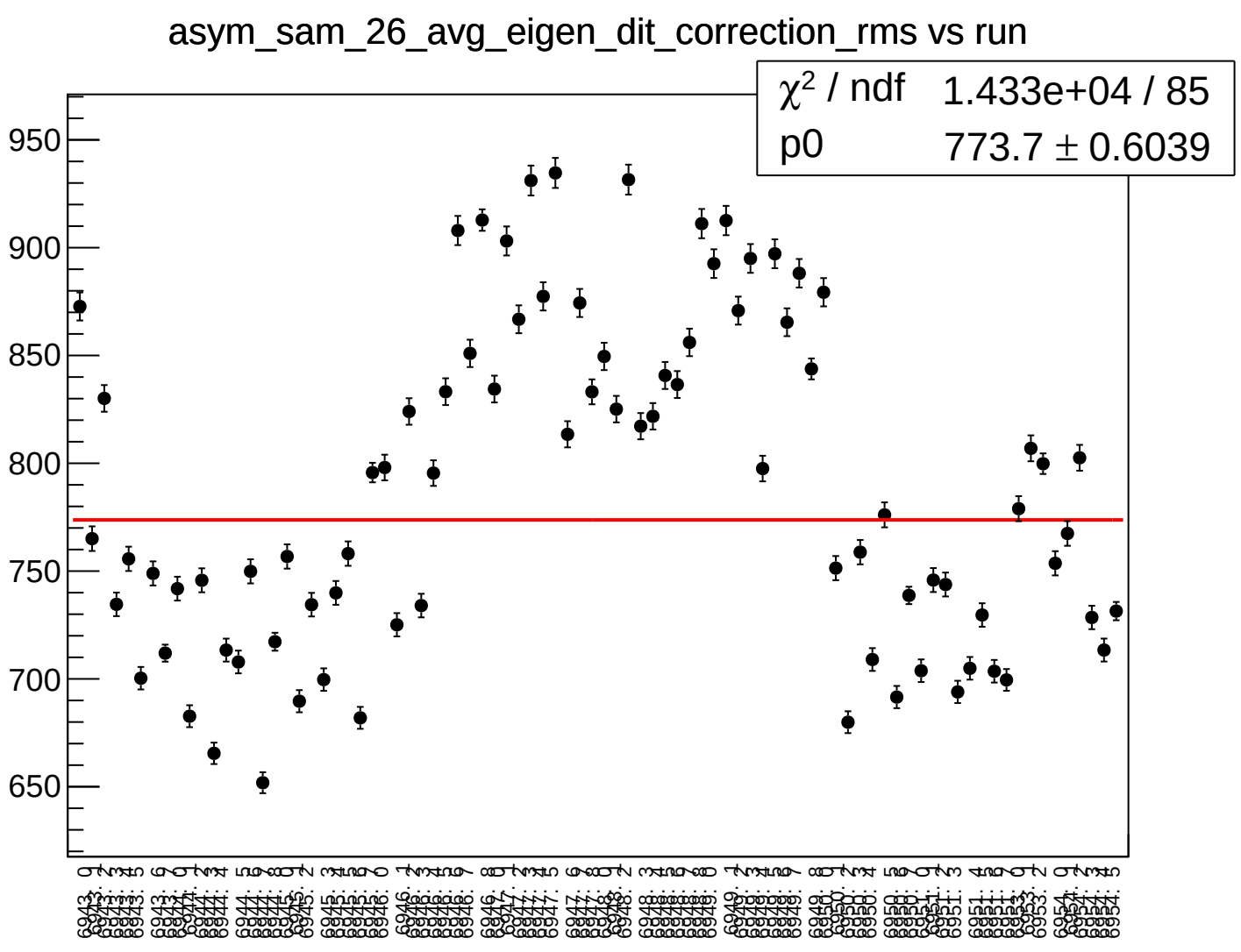

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 1.433e+04 / 85
p0 773.7 ± 0.6039
950
900
850
800
750
700
650

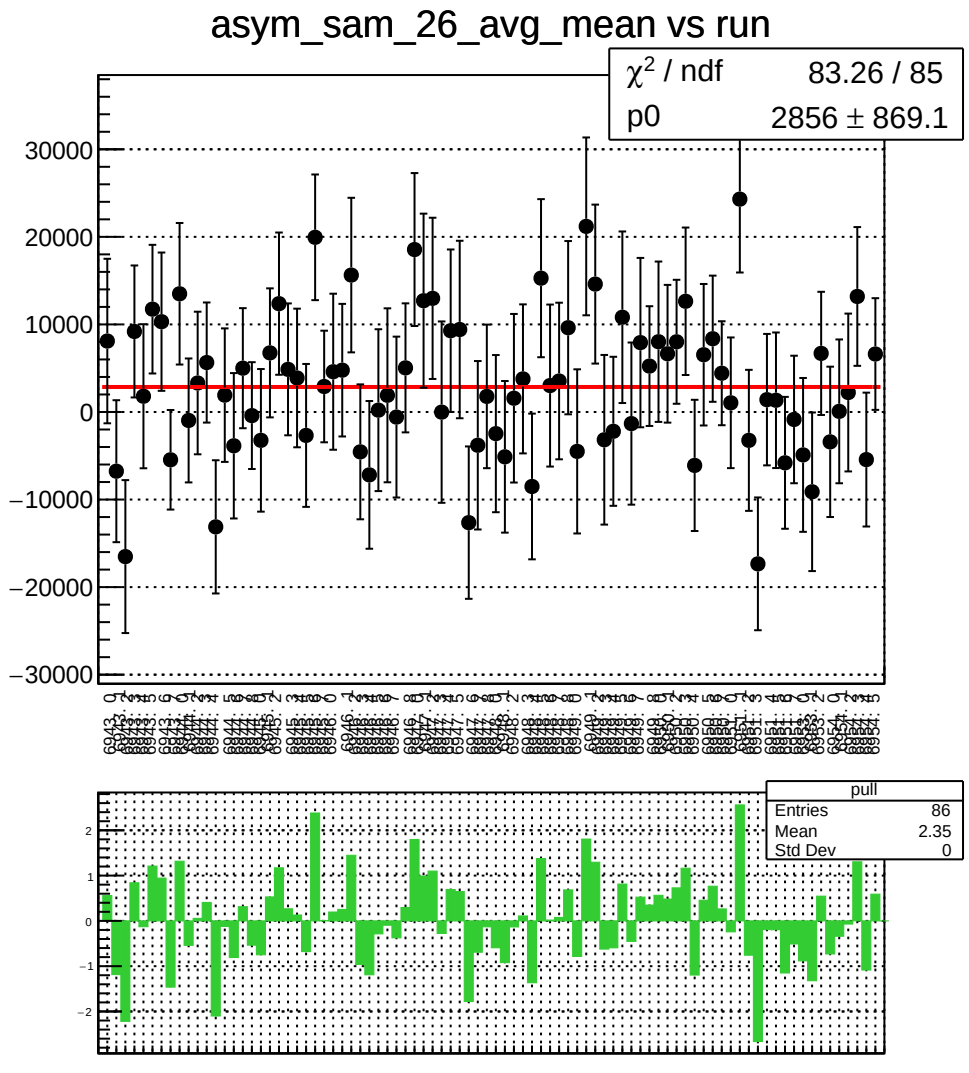

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.56 / 85
p0 −44.3 ± 121.5
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 36.96
Std Dev 25.86
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.01677
Std Dev 0.9677
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

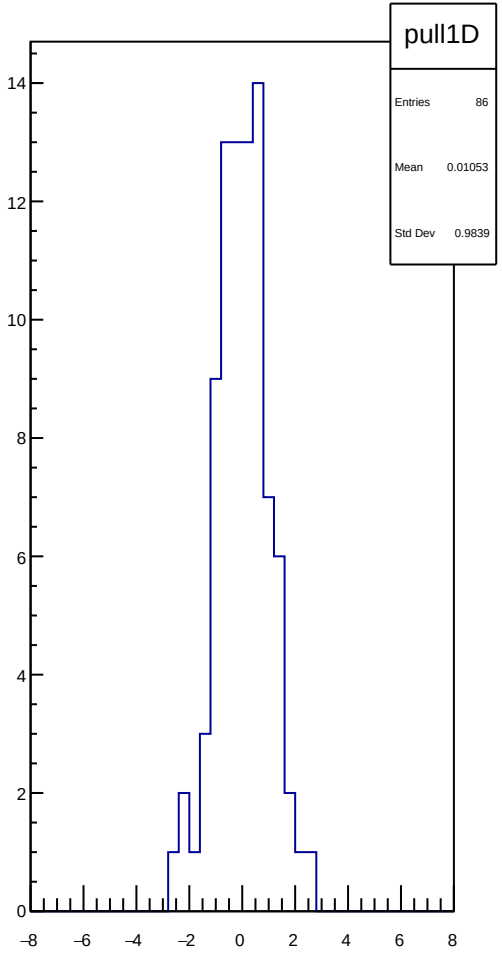

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.009e+04 / 85
p0 110.2 ± 0.08593
190
180
170
160
150
140
130
120
110
100

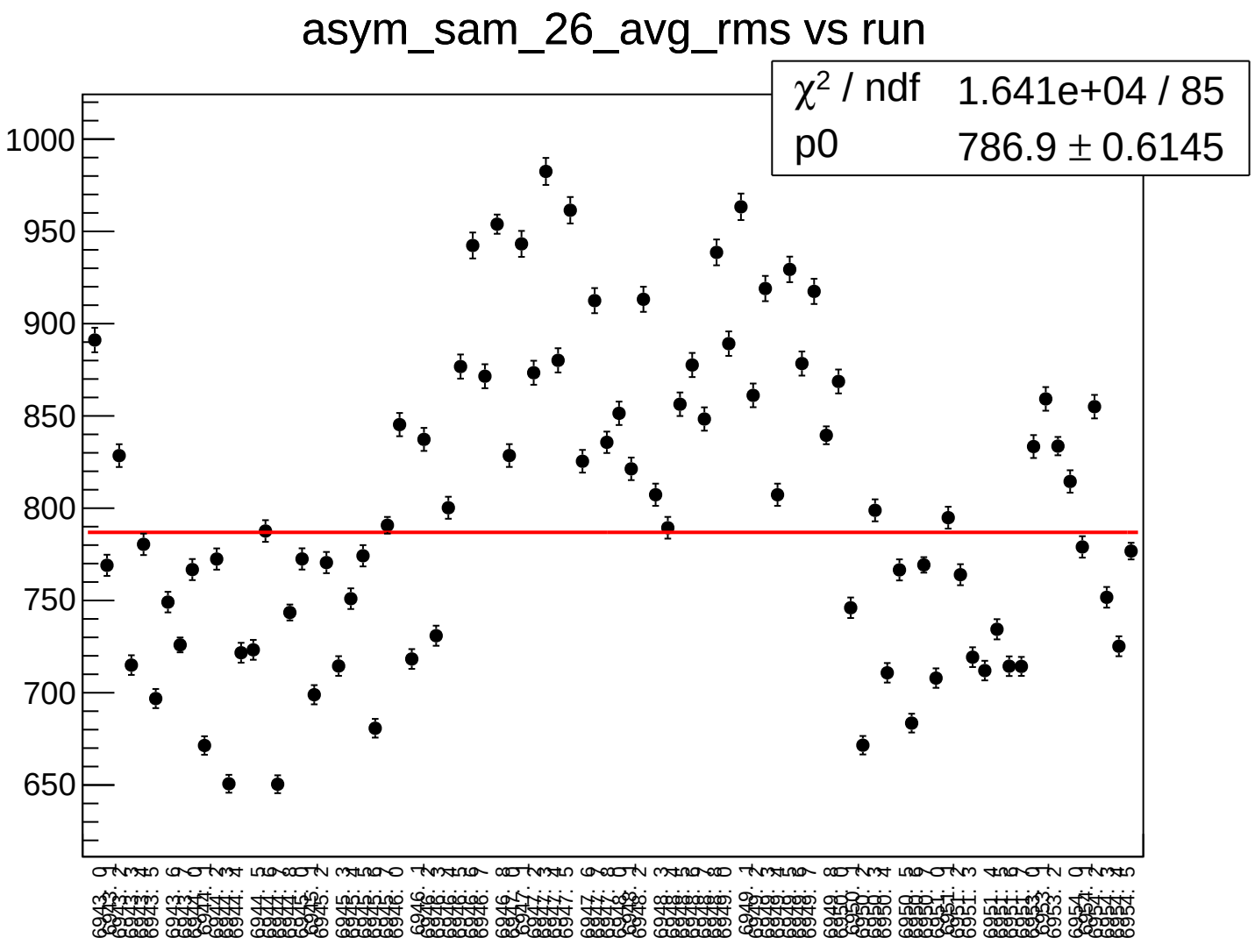

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.19 / 85
p0 −2914 ± 854
pull
Entries 86
Mean 11.7
Std Dev 0

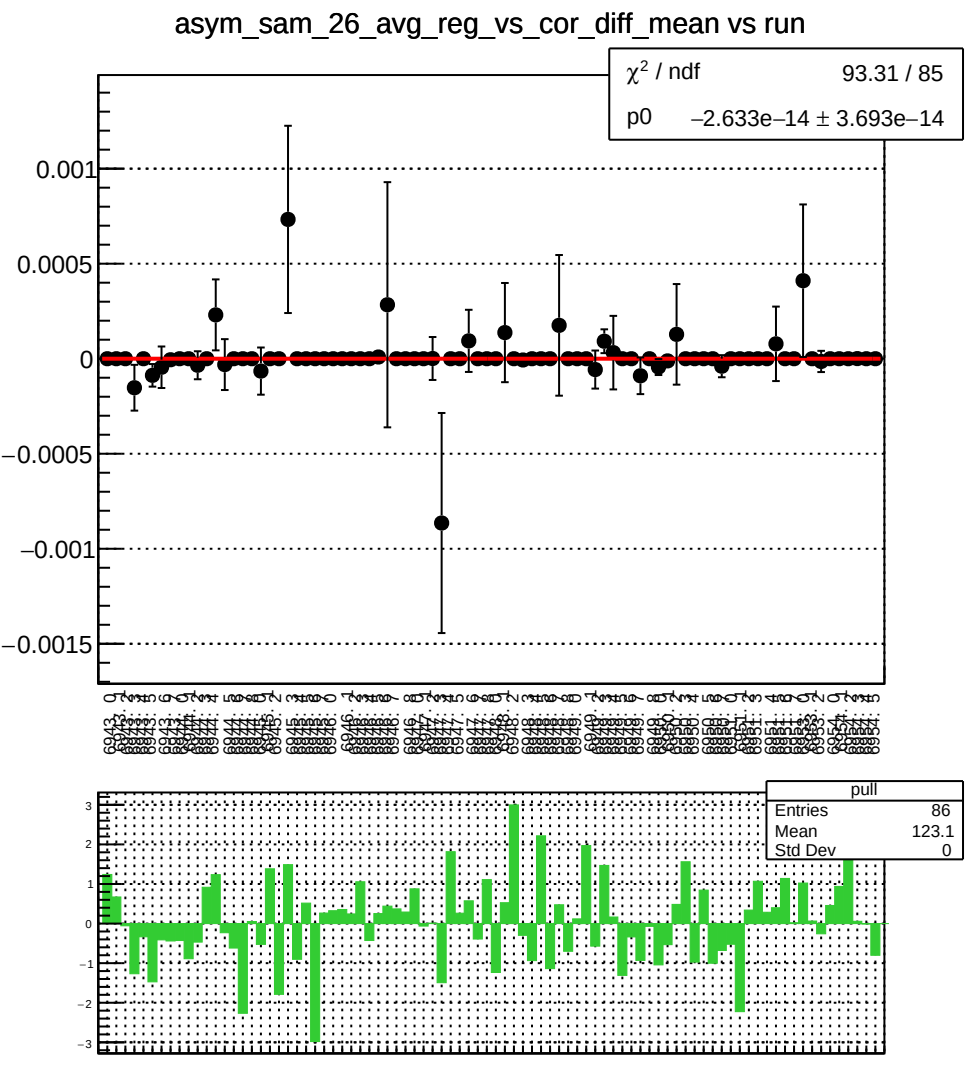

pull1D
Entries 86
Mean −0.01293
Std Dev 0.9775

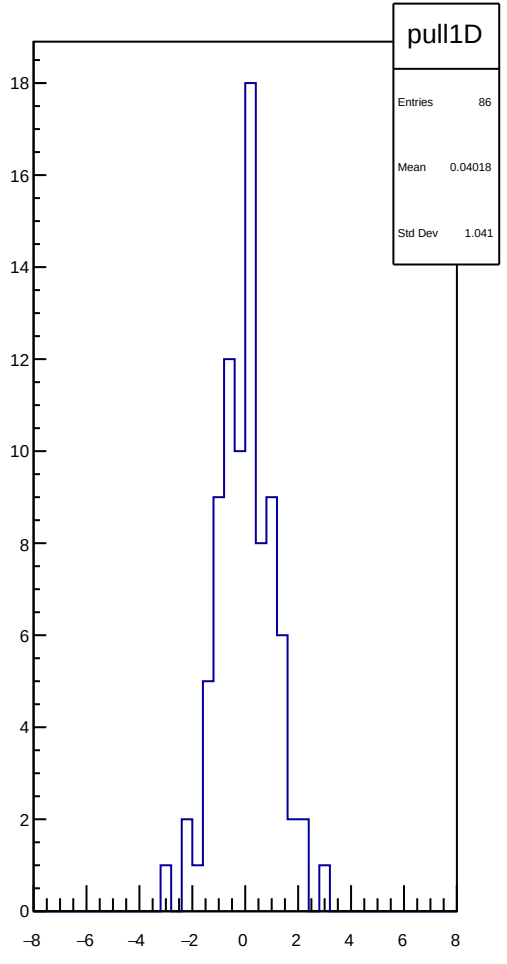

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.433e+04 / 85
p0 773.7 ± 0.6039
950
900
850
800
750
700
650

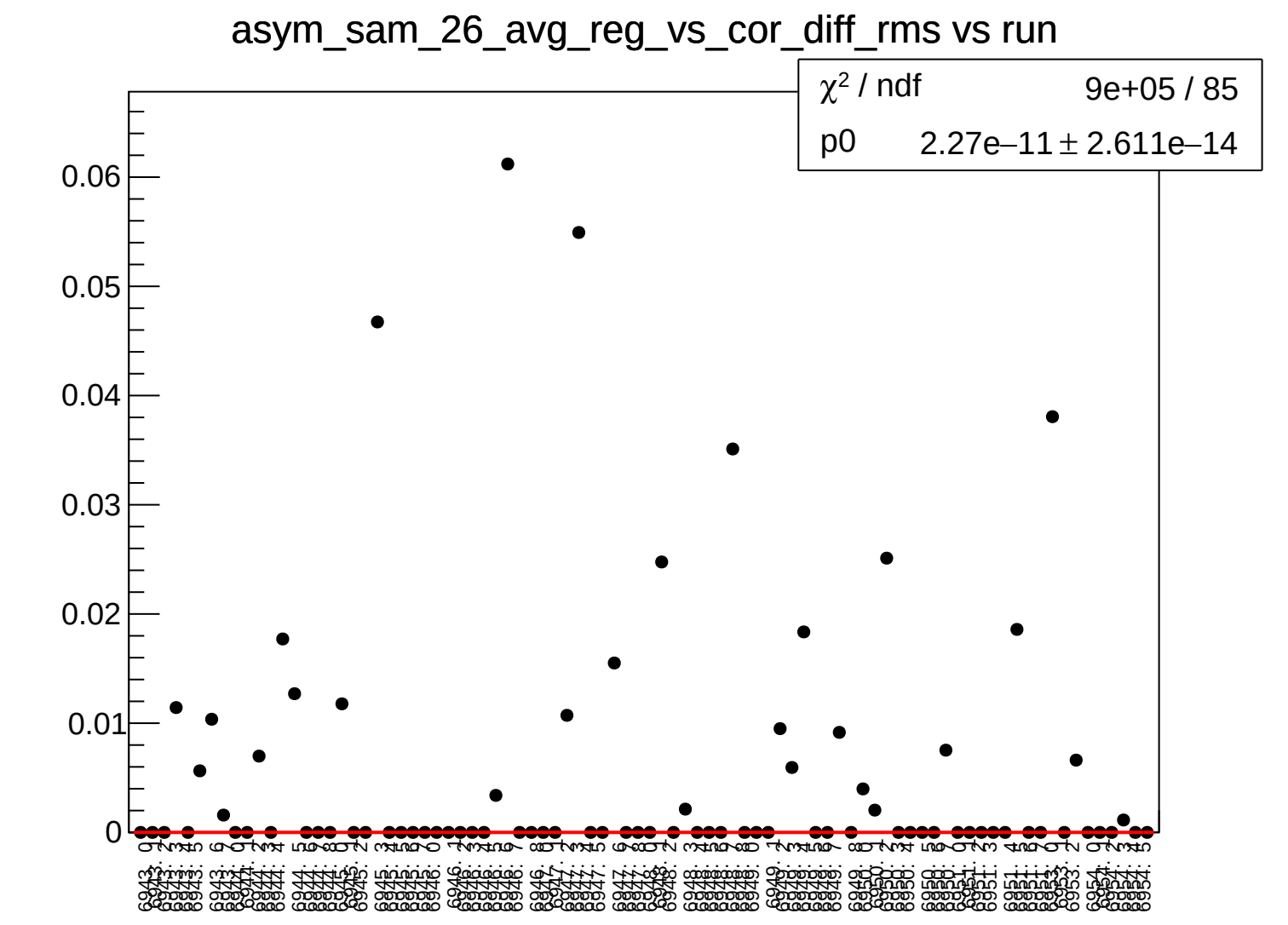

asym_sam_26_avg_mean vs run
χ² / ndf 83.26 / 85
p0 2856 ± 869.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 2.35
Std Dev 0
2
1
0
−1
−2

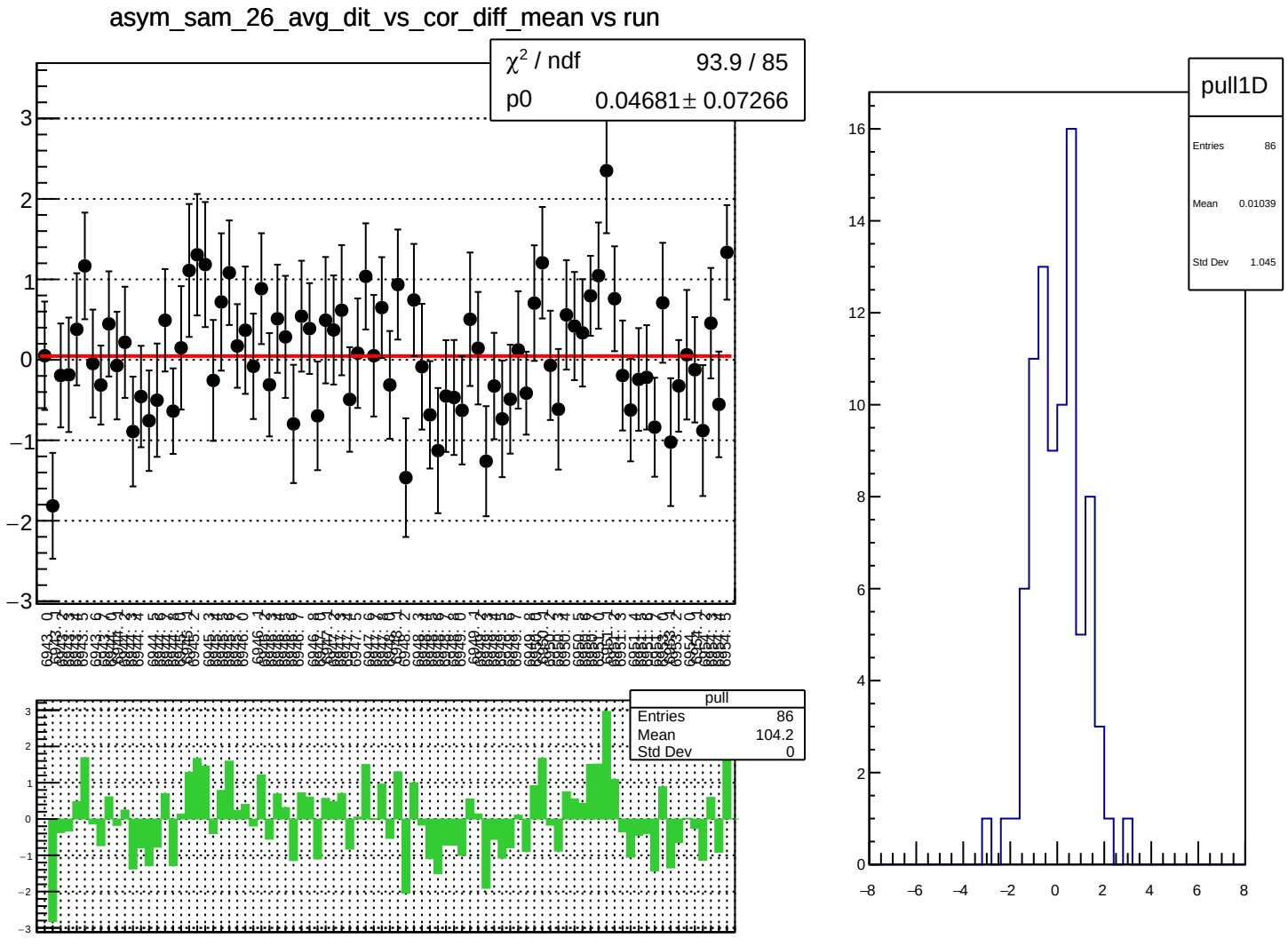

pull1D
Entries 86
Mean 0.01053
Std Dev 0.9839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

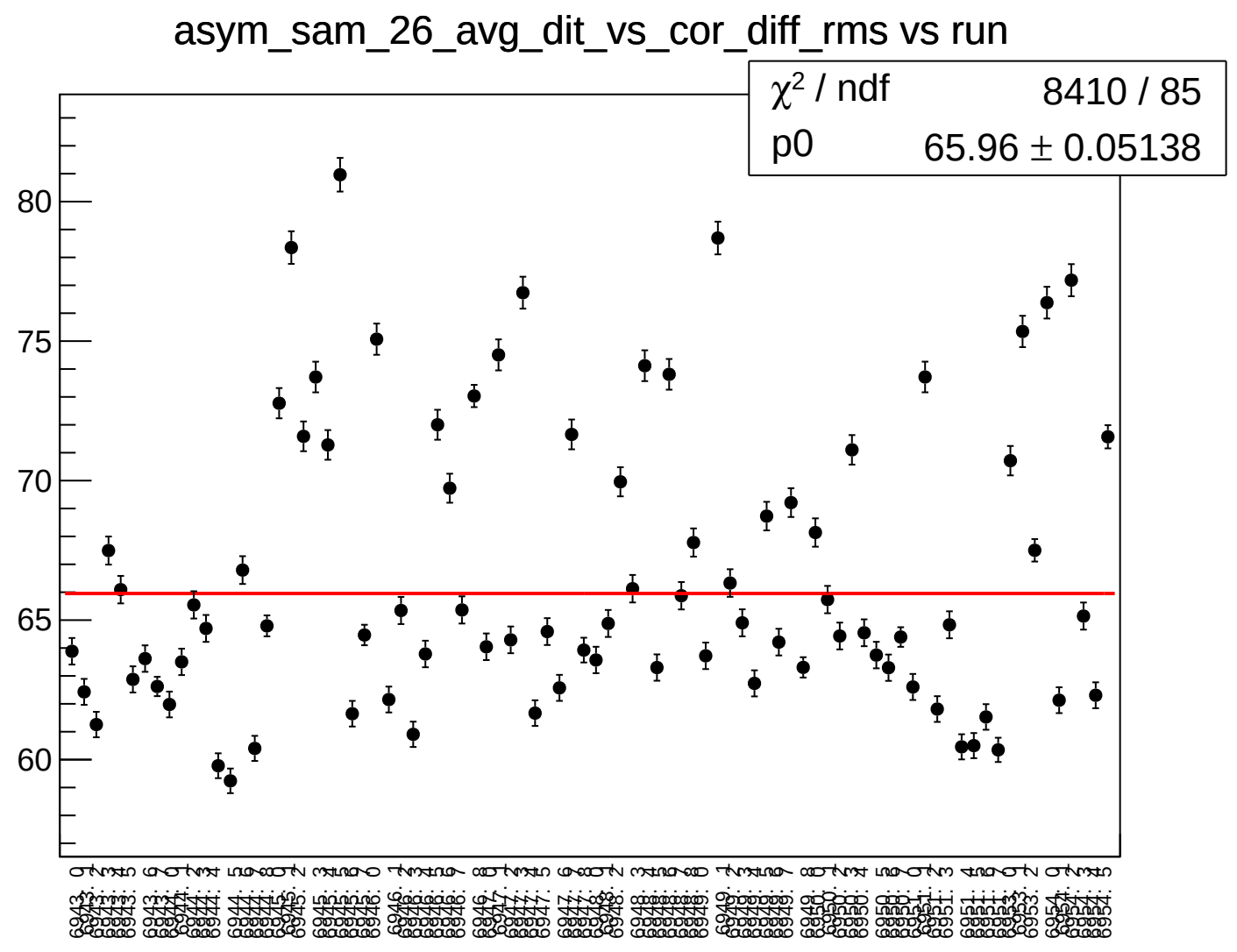

asym_sam_26_avg_rms vs run
χ² / ndf 1.641e+04 / 85
p0 786.9 ± 0.6145
1000
950
900
850
800
750
700
650

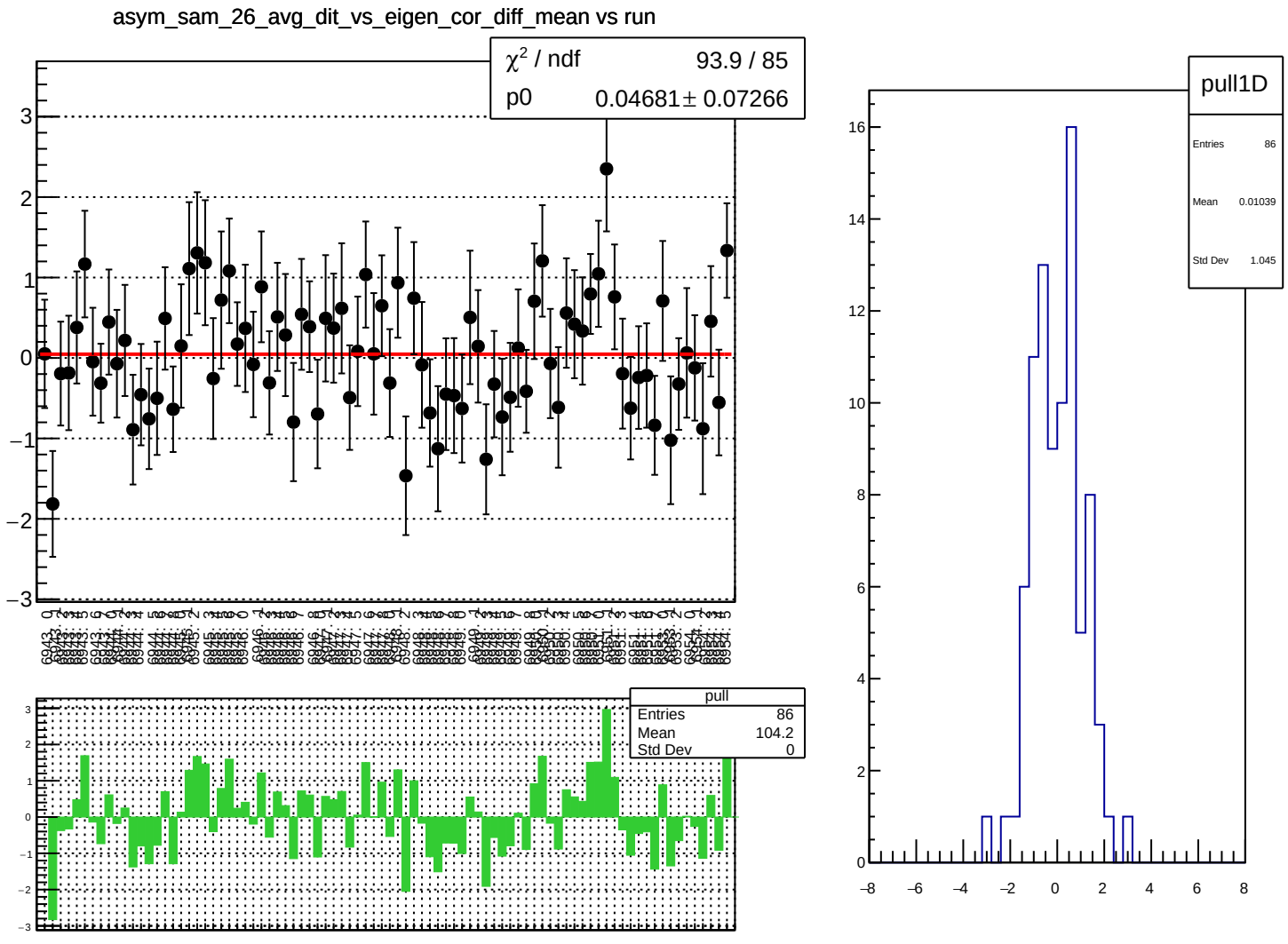

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 93.31 / 85
p0 −2.633e−14 ± 3.693e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 86
Mean 123.1
Std Dev 0
3
2
1
0
−1
−2
−3

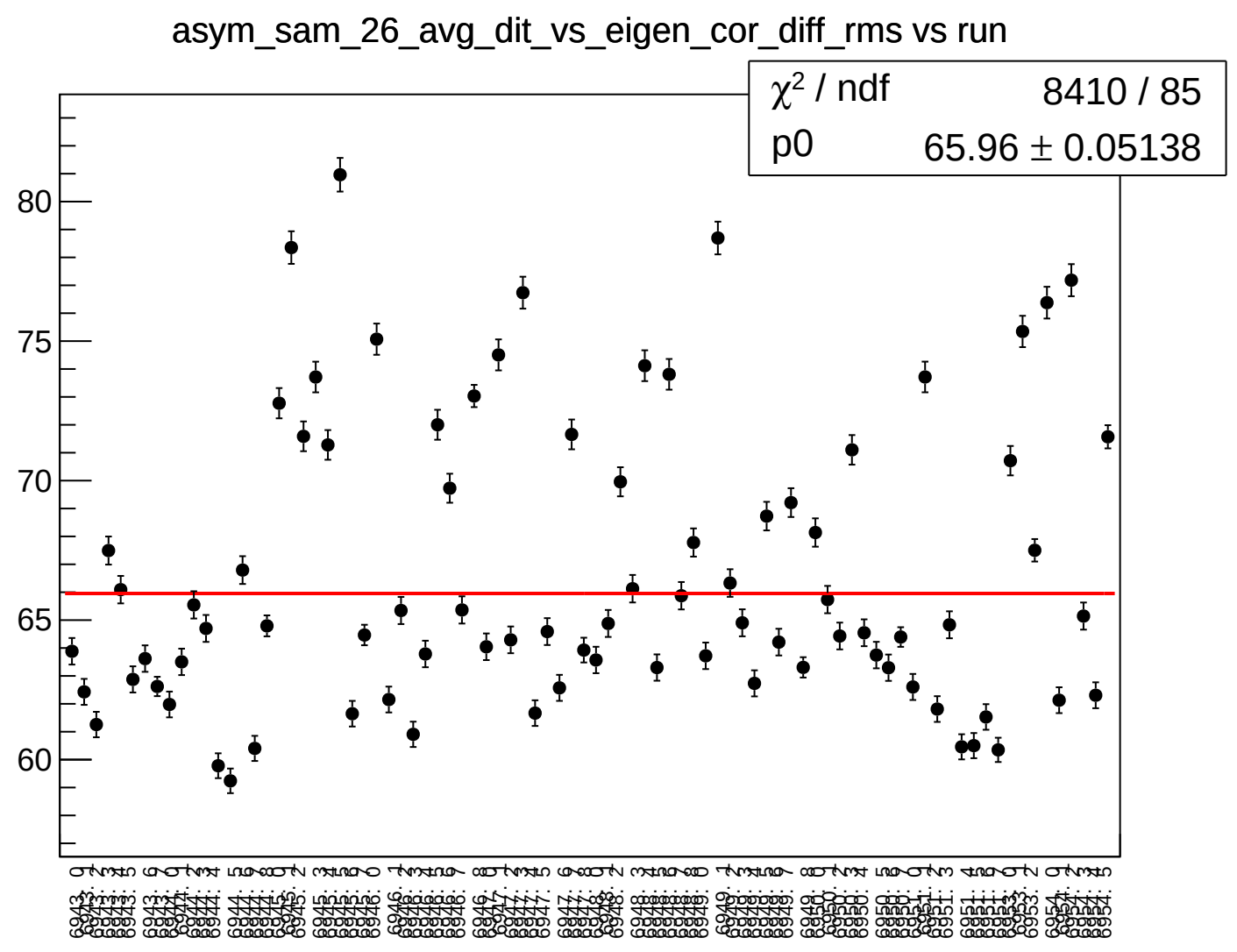

pull1D
Entries 86
Mean 0.04018
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

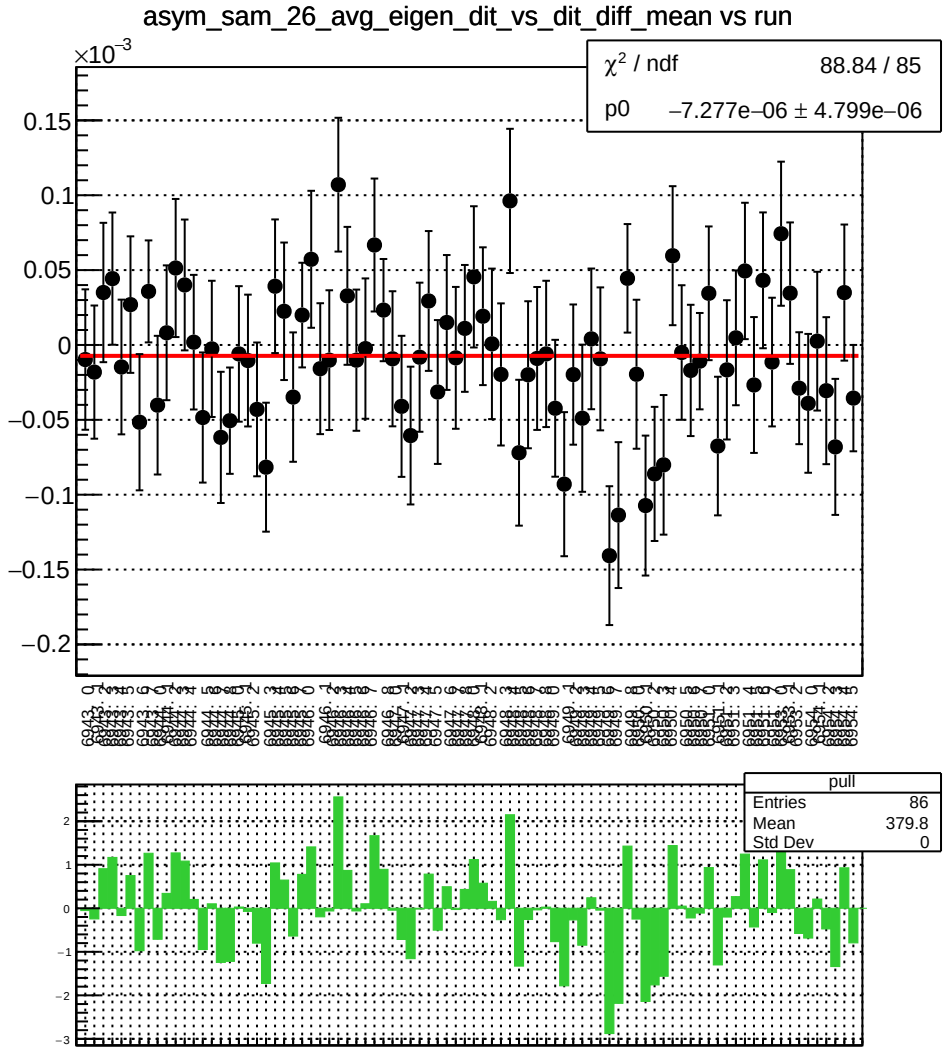

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9e+05 / 85
p0 2.27e−11 ± 2.611e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

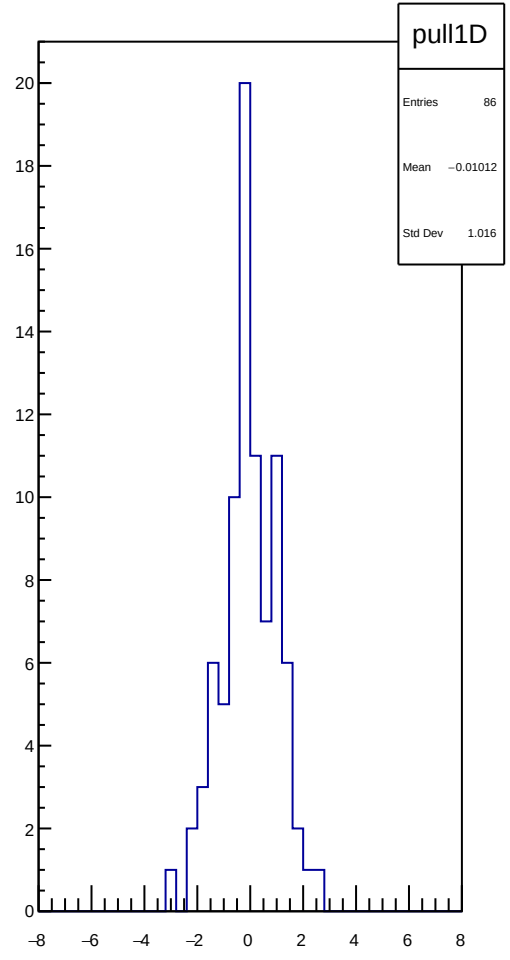

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 93.9 / 85
p0 0.04681 ± 0.07266
pull
Entries 86
Mean 104.2
Std Dev 0
pull1D
Entries 86
Mean 0.01039
Std Dev 1.045

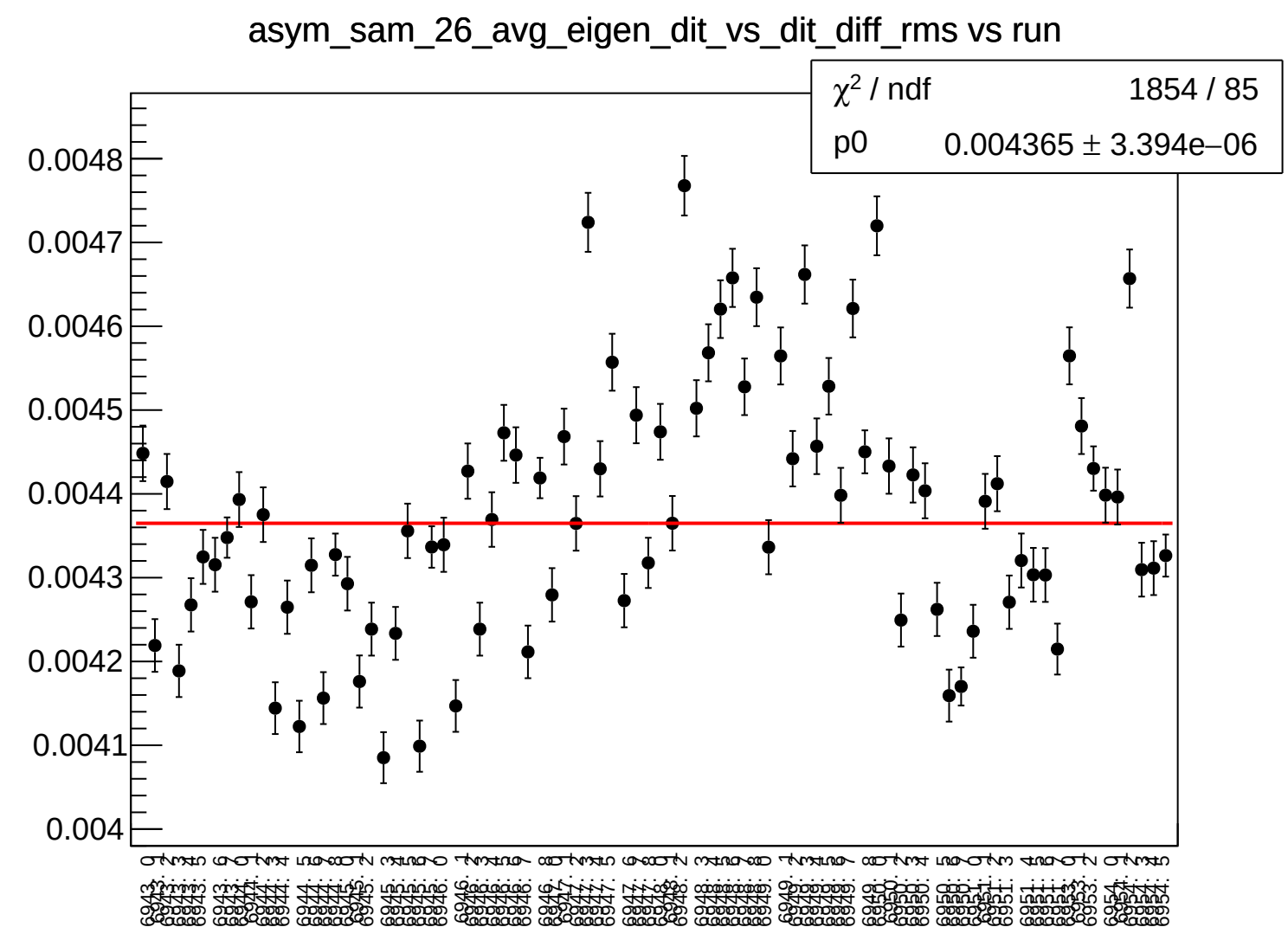

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8410 / 85
p0 65.96 ± 0.05138
80
75
70
65
60

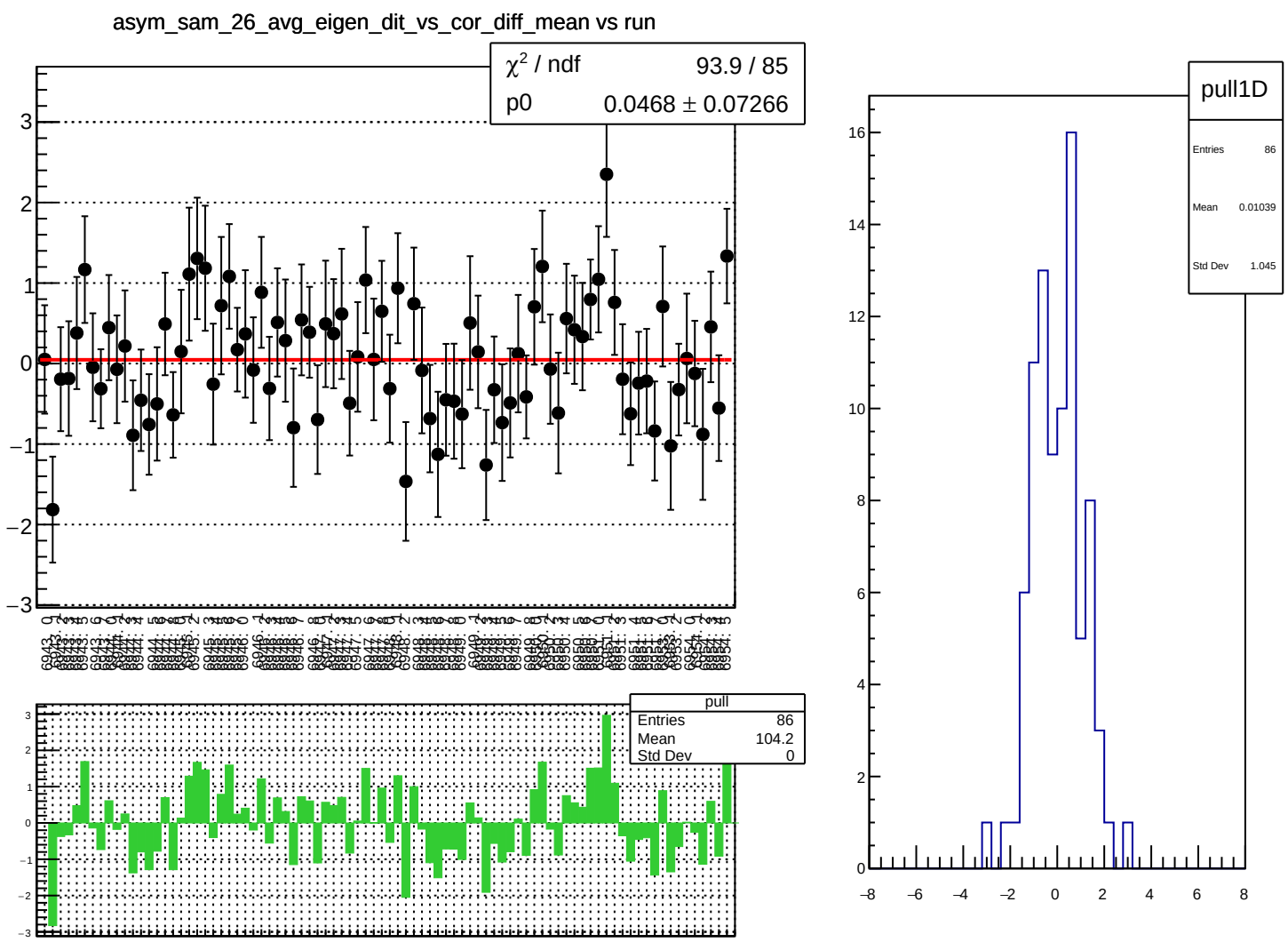

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.9 / 85
p0 0.04681 ± 0.07266
pull
Entries 86
Mean 104.2
Std Dev 0
pull1D
Entries 86
Mean 0.01039
Std Dev 1.045

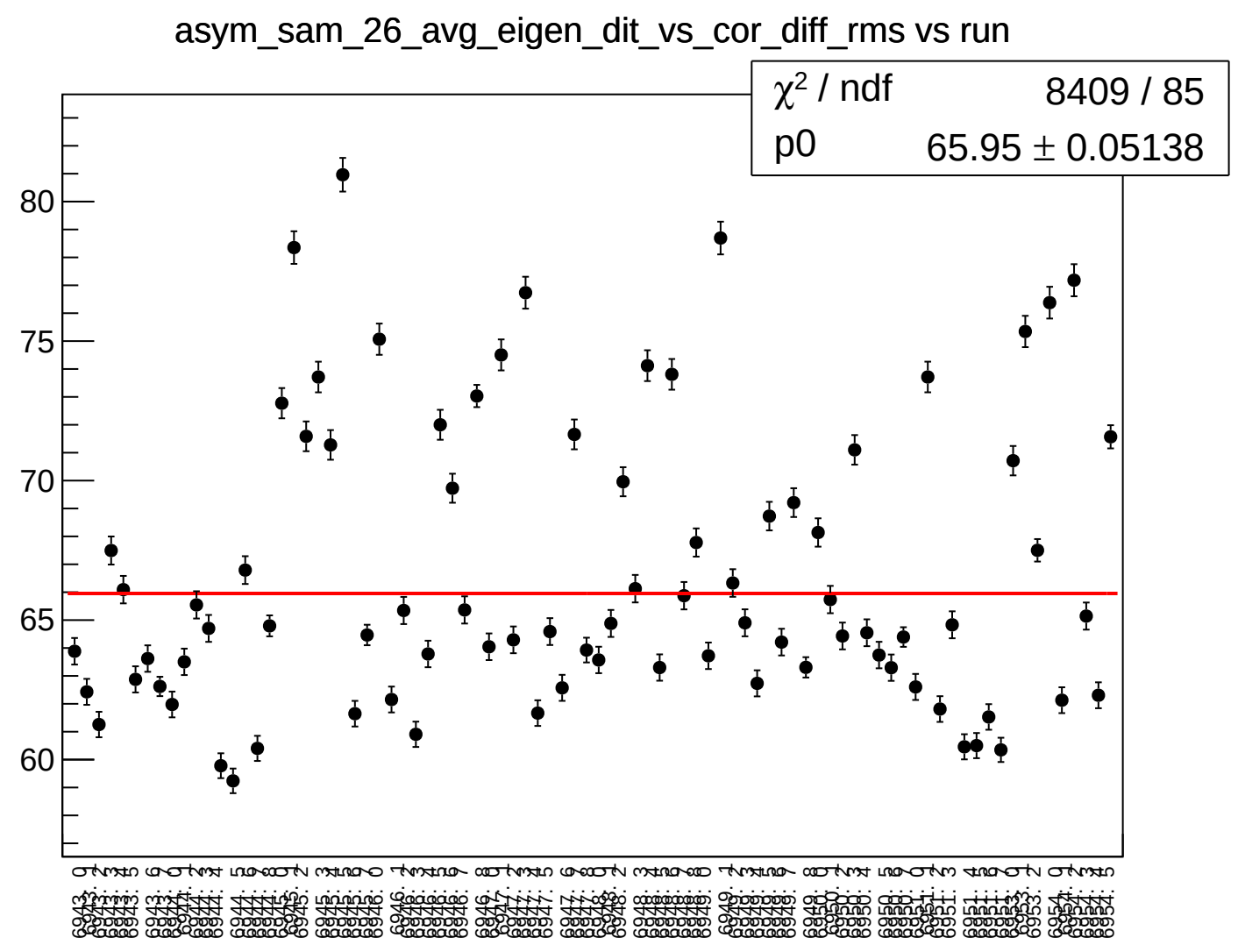

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8410 / 85
p0 65.96 ± 0.05138
80
75
70
65
60

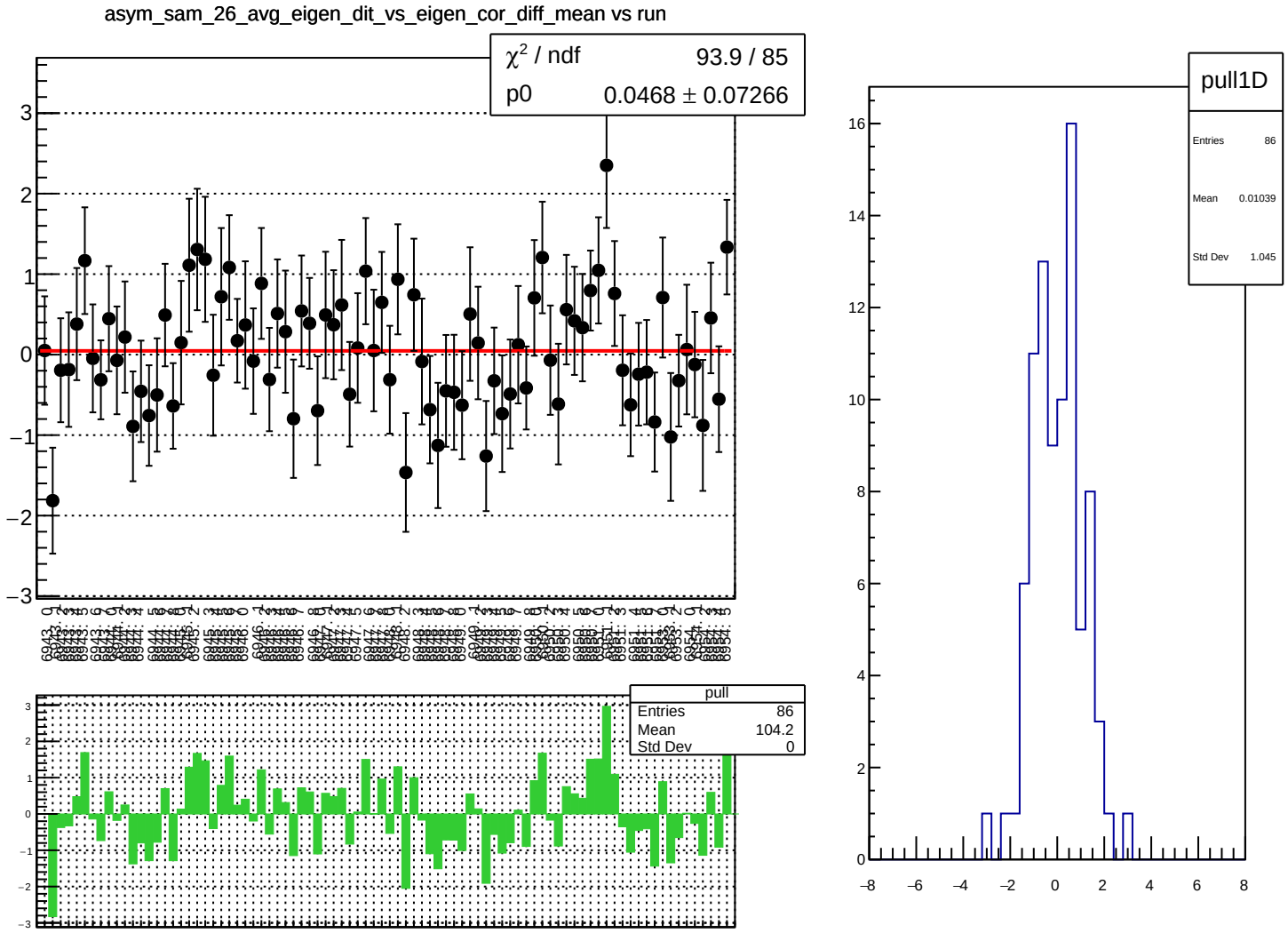

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.84 / 85
p0 −7.277e−06 ± 4.799e−06
pull
Entries 86
Mean 379.8
Std Dev 0

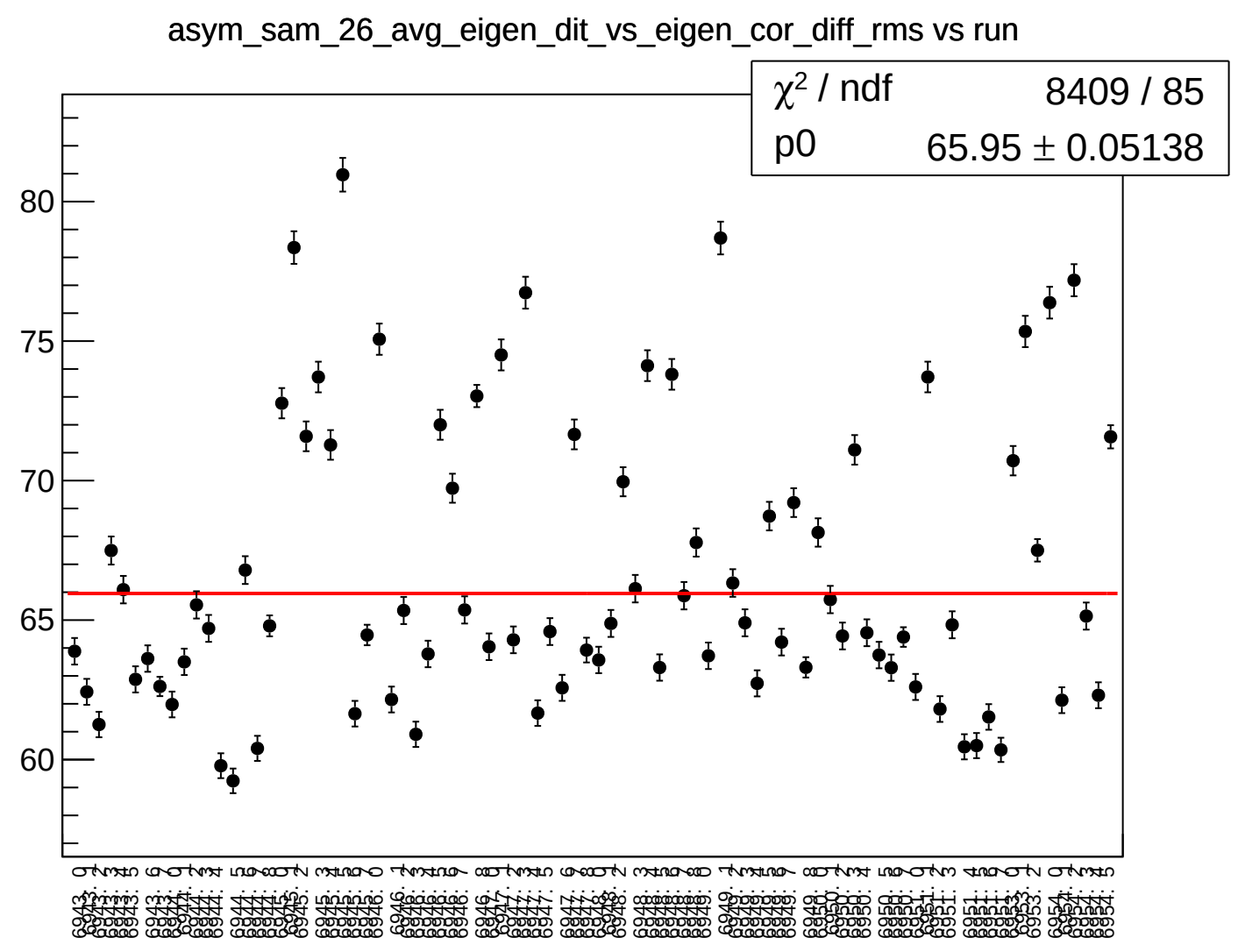

pull1D
Entries 86
Mean −0.01012
Std Dev 1.016

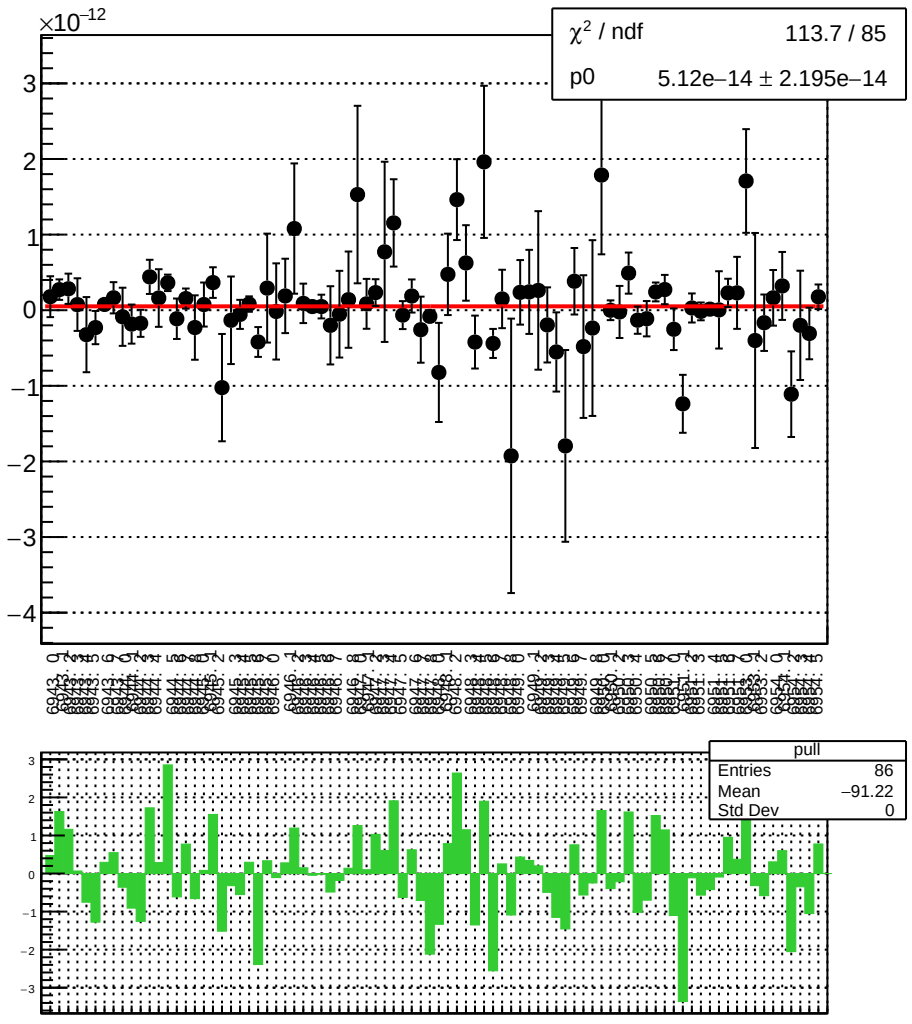

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1854 / 85
p0 0.004365 ± 3.394e−06
0.0048
0.0047
0.0046
0.0045
0.0044
0.0043
0.0042
0.0041
0.004

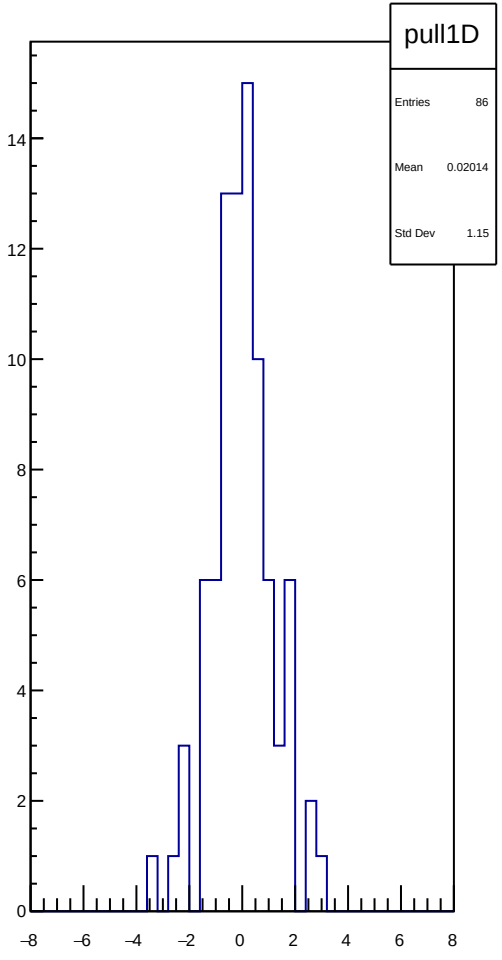

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.9 / 85
p0 0.0468 ± 0.07266
pull
Entries 86
Mean 104.2
Std Dev 0
pull1D
Entries 86
Mean 0.01039
Std Dev 1.045

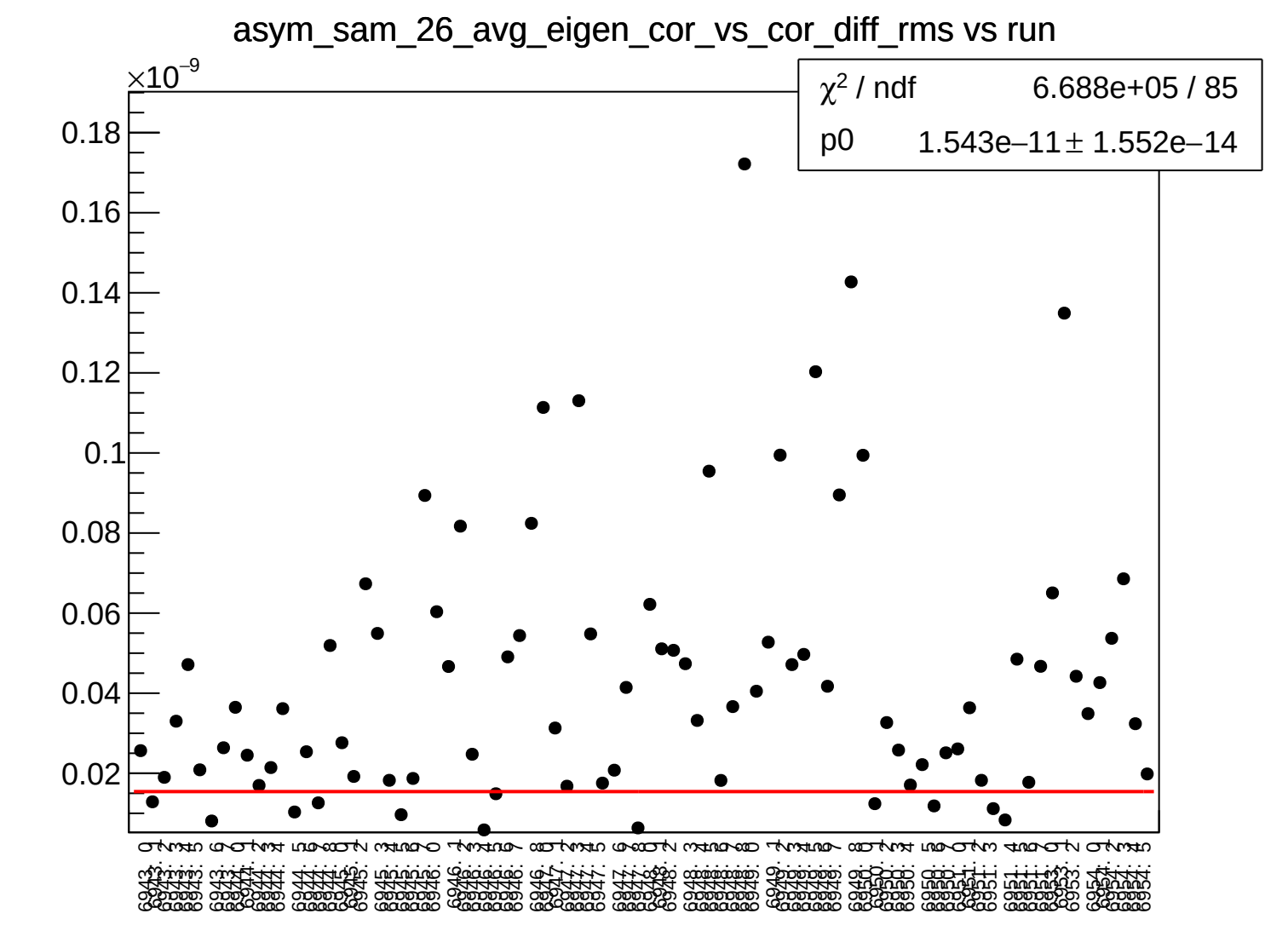

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8409 / 85
p0 65.95 ± 0.05138
80
75
70
65
60

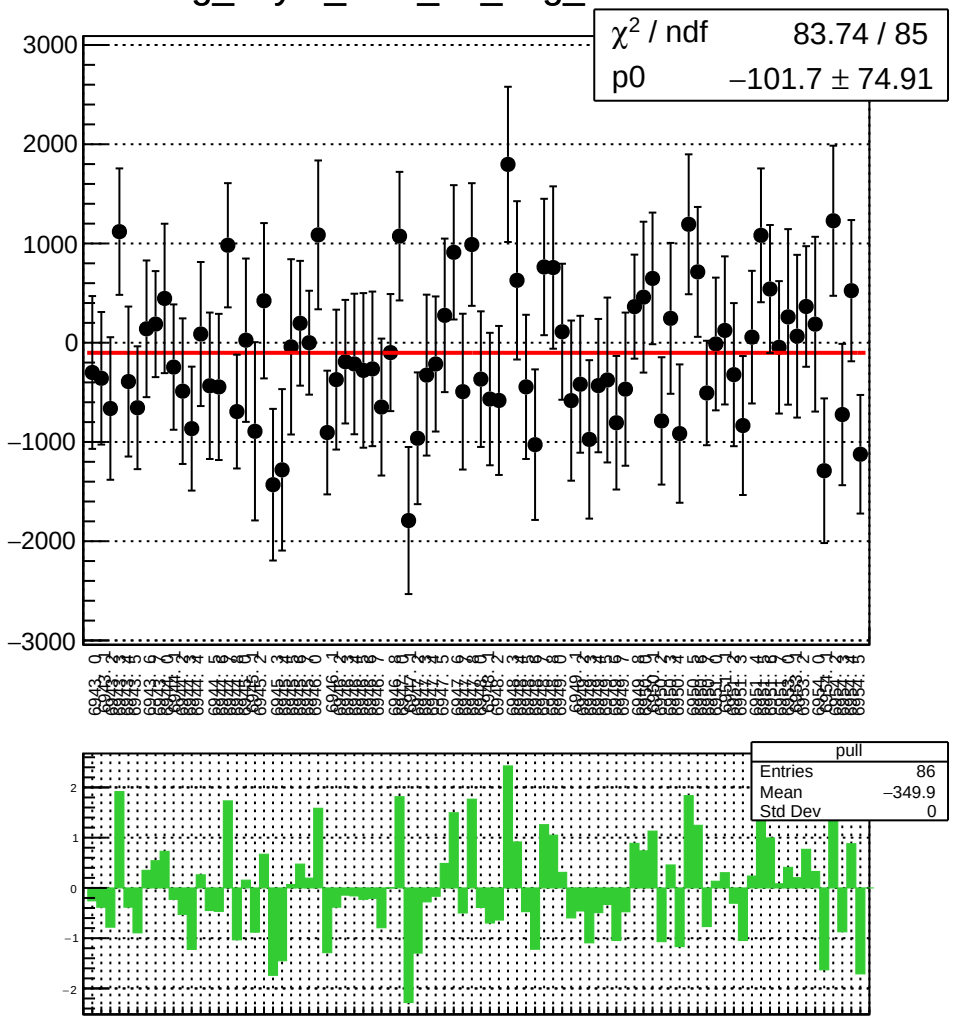

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.9 / 85
p0 0.0468 ± 0.07266
pull
Entries 86
Mean 104.2
Std Dev 0
pull1D
Entries 86
Mean 0.01039
Std Dev 1.045

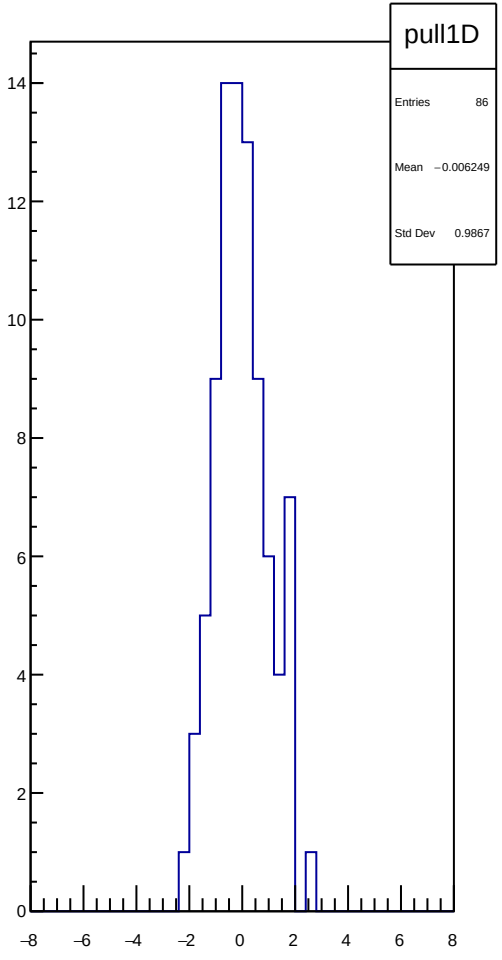

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8409 / 85
p0 65.95 ± 0.05138
80
75
70
65
60

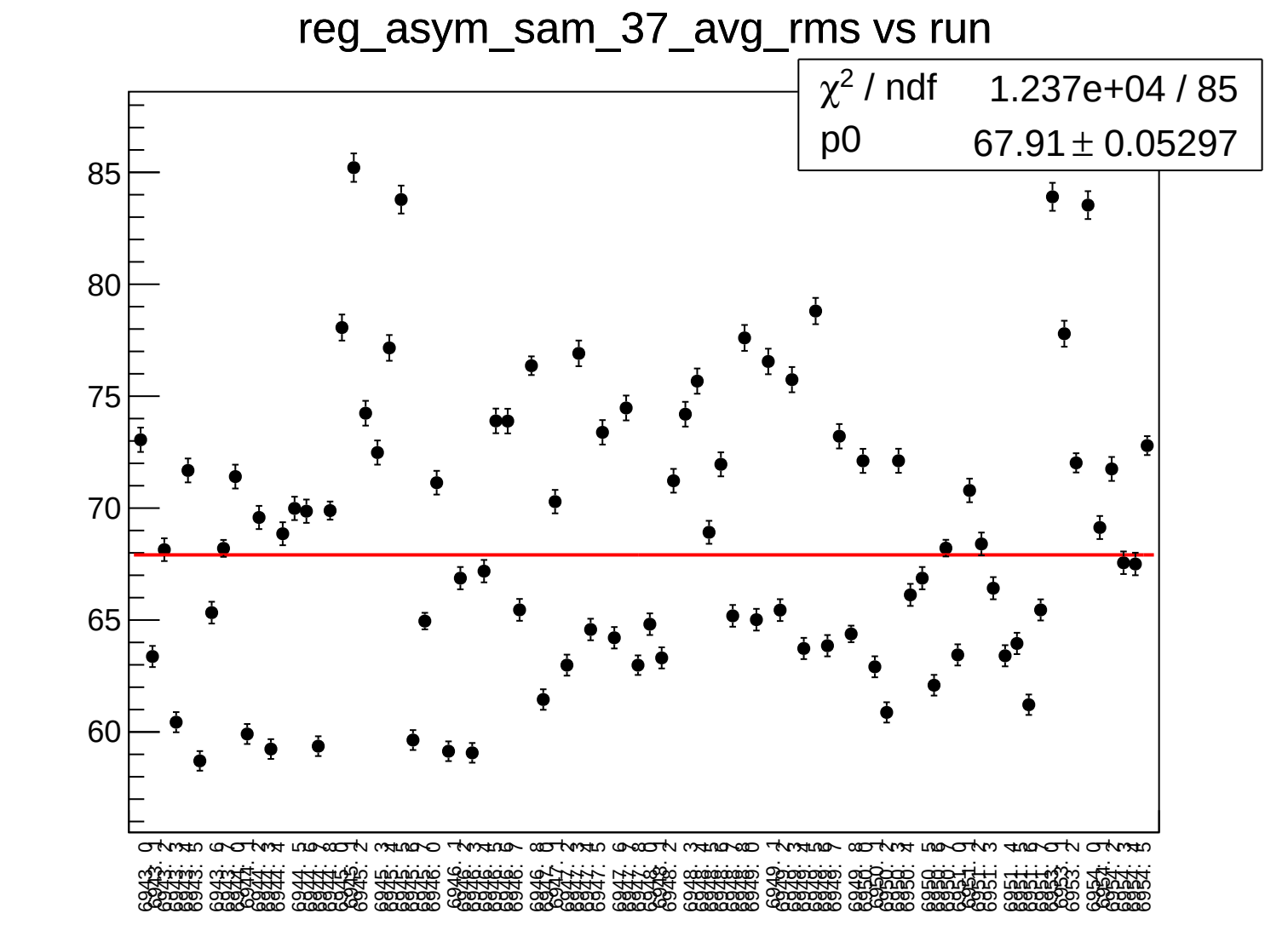

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 113.7 / 85
p0 5.12e−14 ± 2.195e−14
pull
Entries 86
Mean −91.22
Std Dev 0

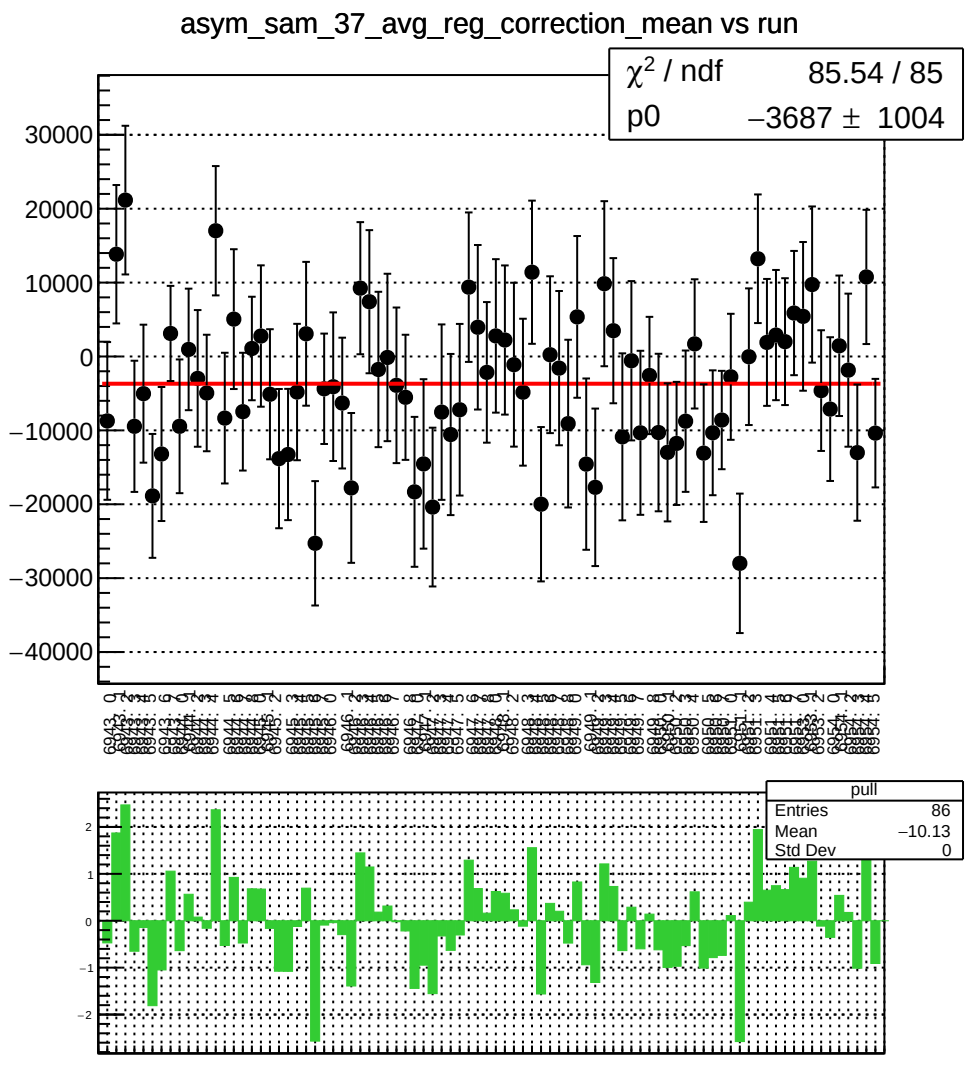

pull1D
Entries 86
Mean 0.02014
Std Dev 1.15

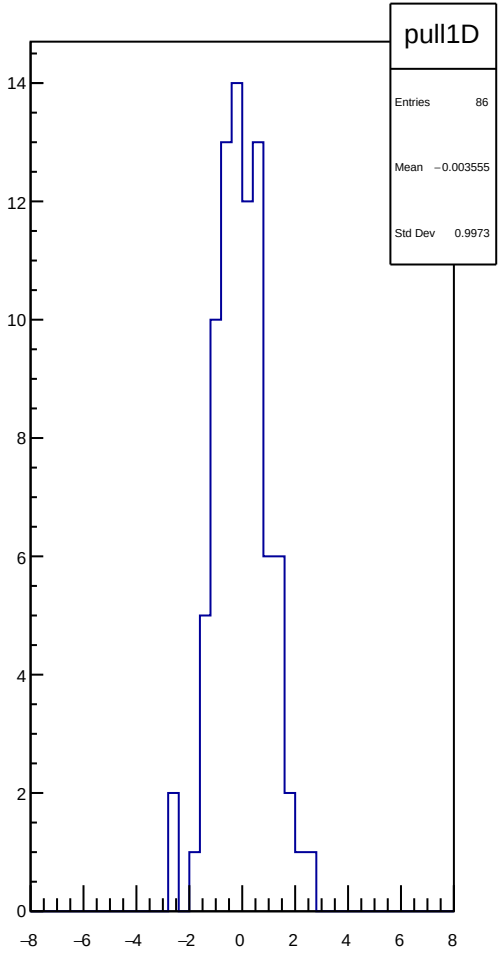

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.688e+05 / 85
p0 1.543e−11 ± 1.552e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

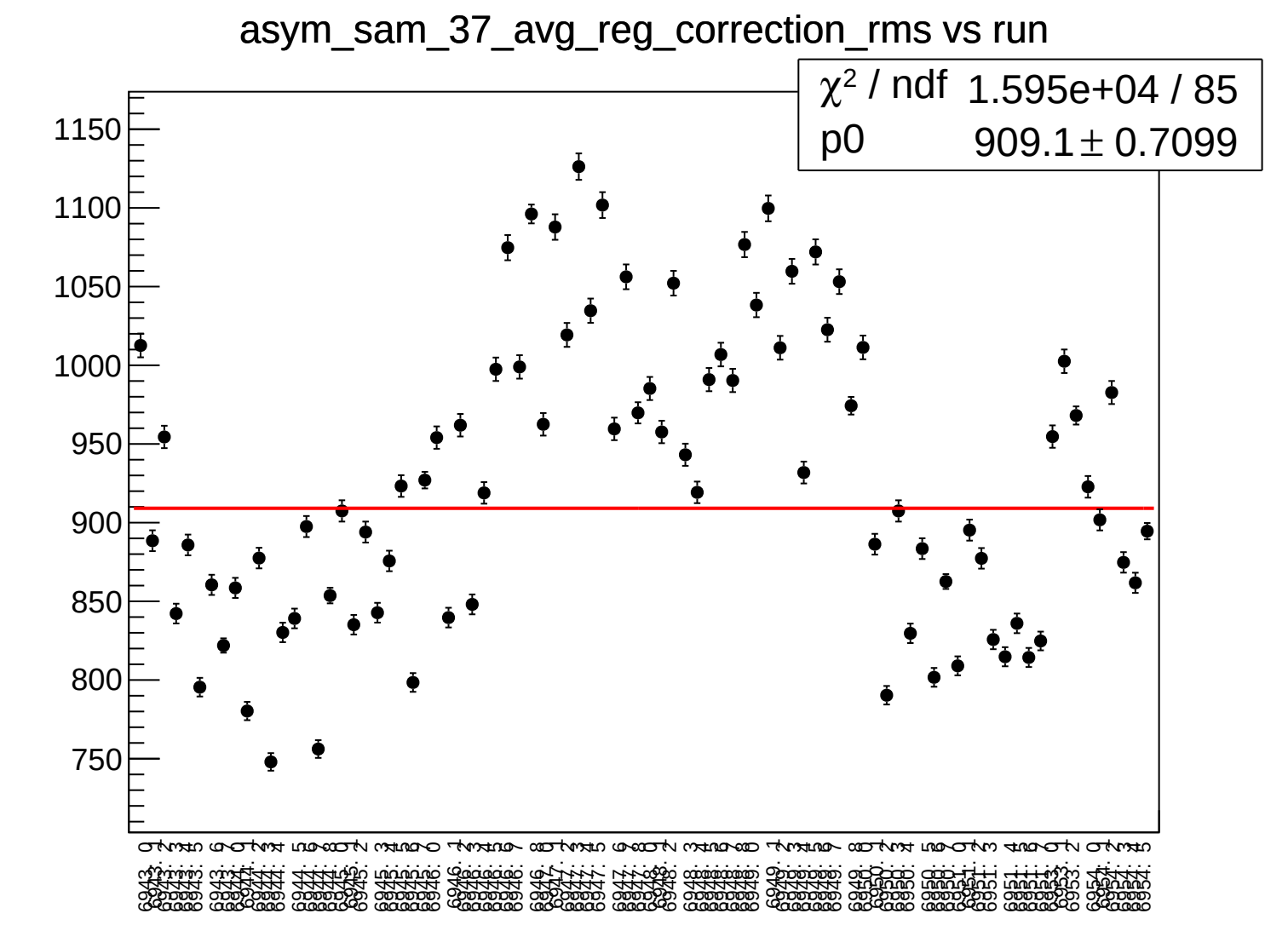

reg_asym_sam_37_avg_mean vs run
χ² / ndf 83.74 / 85
p0 −101.7 ± 74.91
pull
Entries 86
Mean −349.9
Std Dev 0

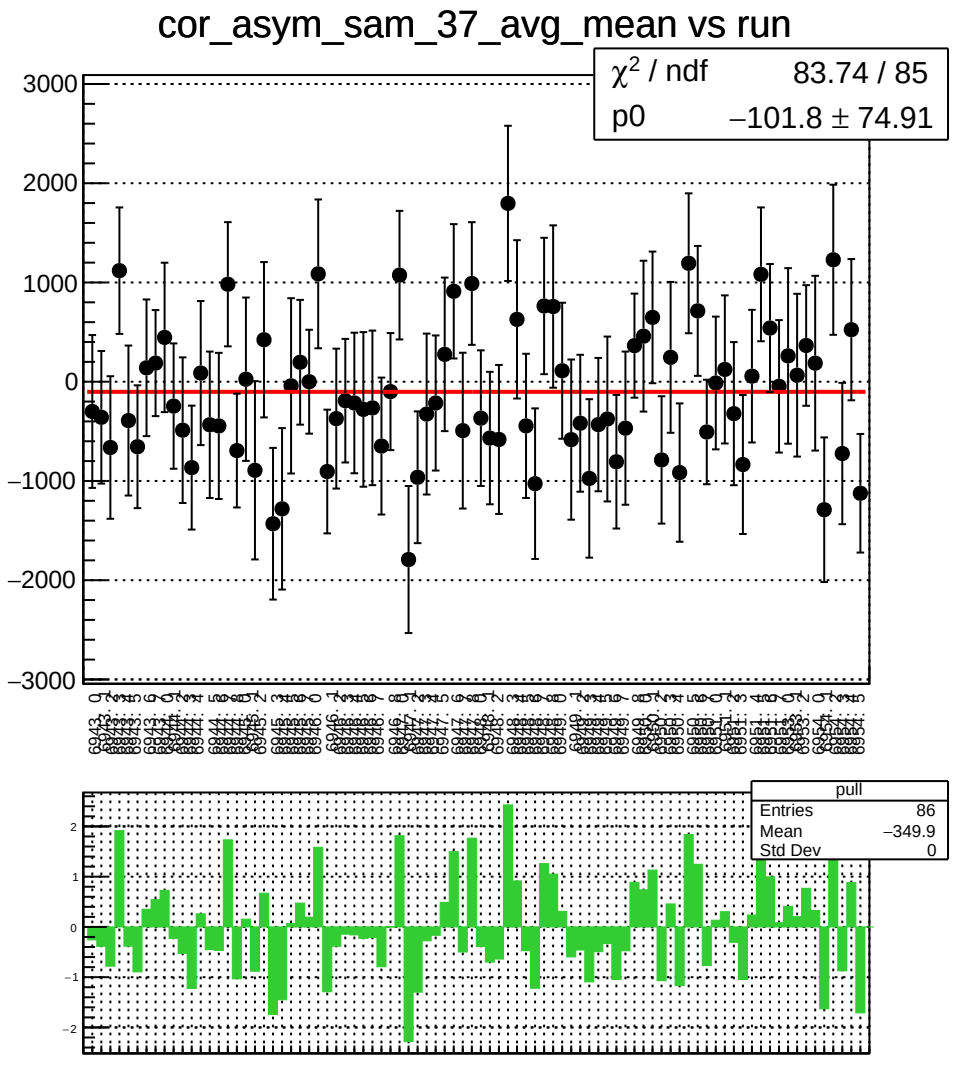

pull1D
Entries 86
Mean −0.006249
Std Dev 0.9867

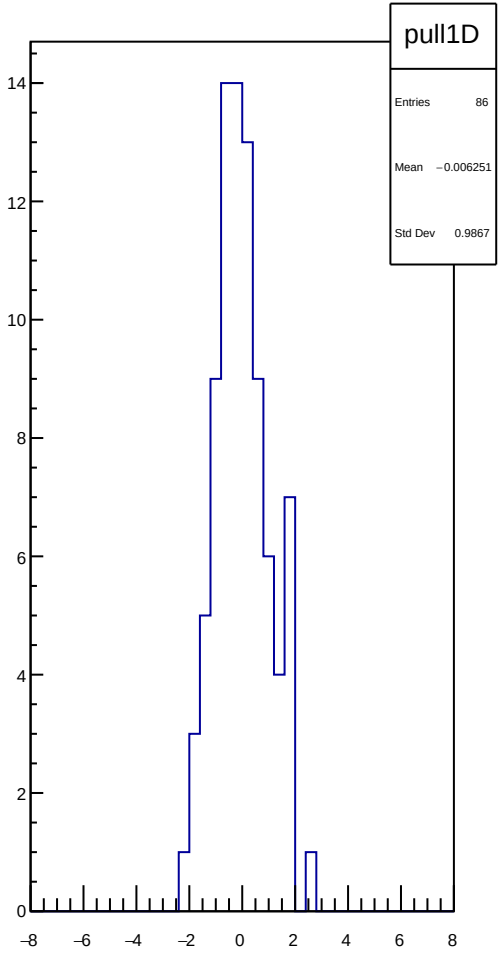

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.237e+04 / 85
p0 67.91 ± 0.05297
85
80
75
70
65
60

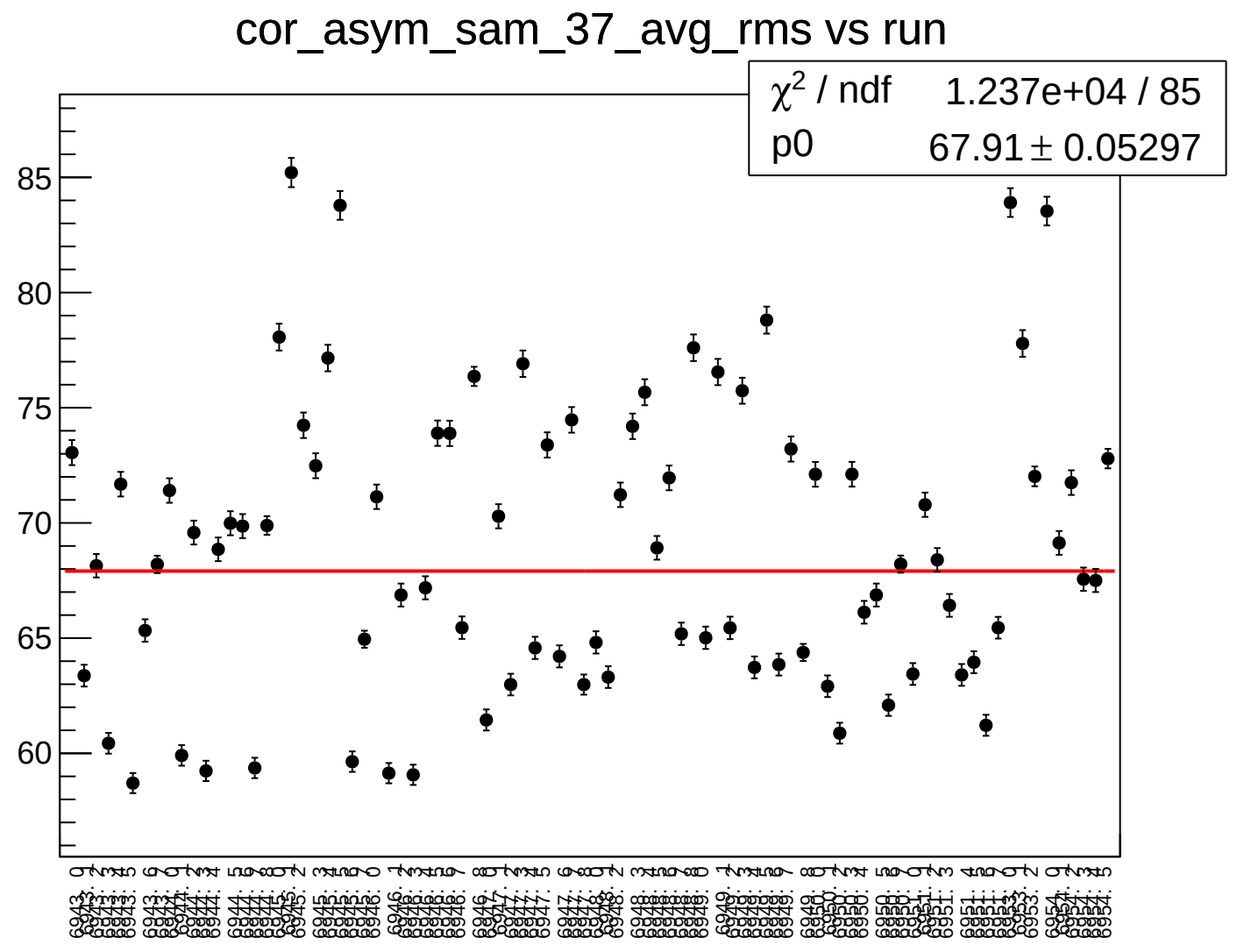

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 85.54 / 85
p0 −3687 ± 1004
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −10.13
Std Dev 0
2
1
0
−1
−2

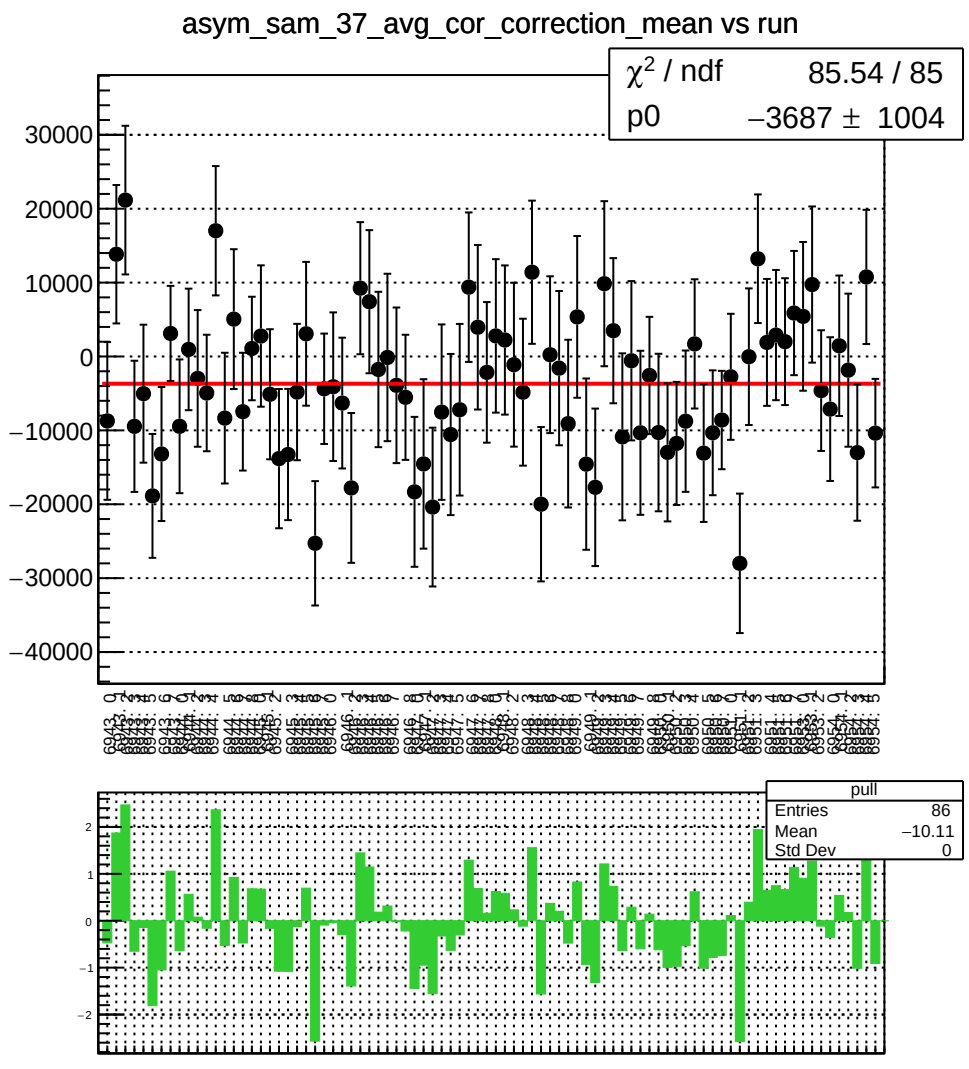

pull1D
Entries 86
Mean −0.003555
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

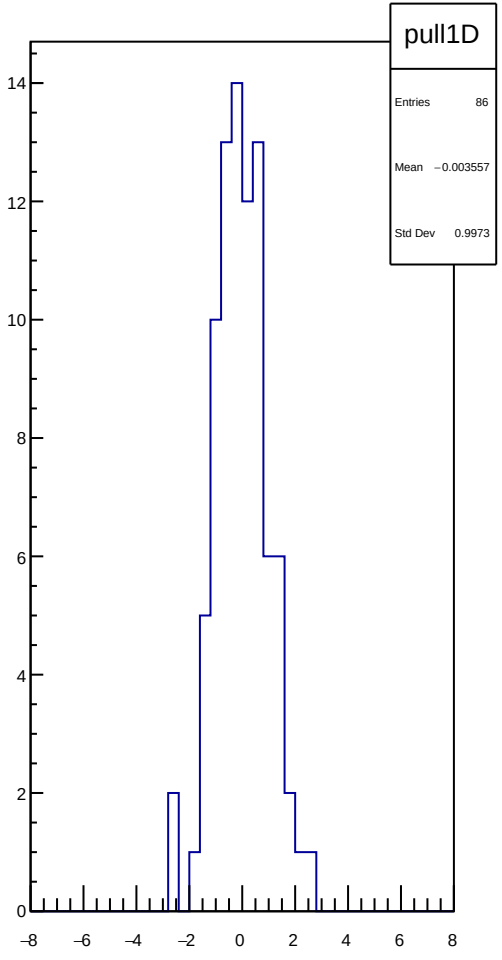

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1.595e+04 / 85
p0 909.1 ± 0.7099
1150
1100
1050
1000
950
900
850
800
750

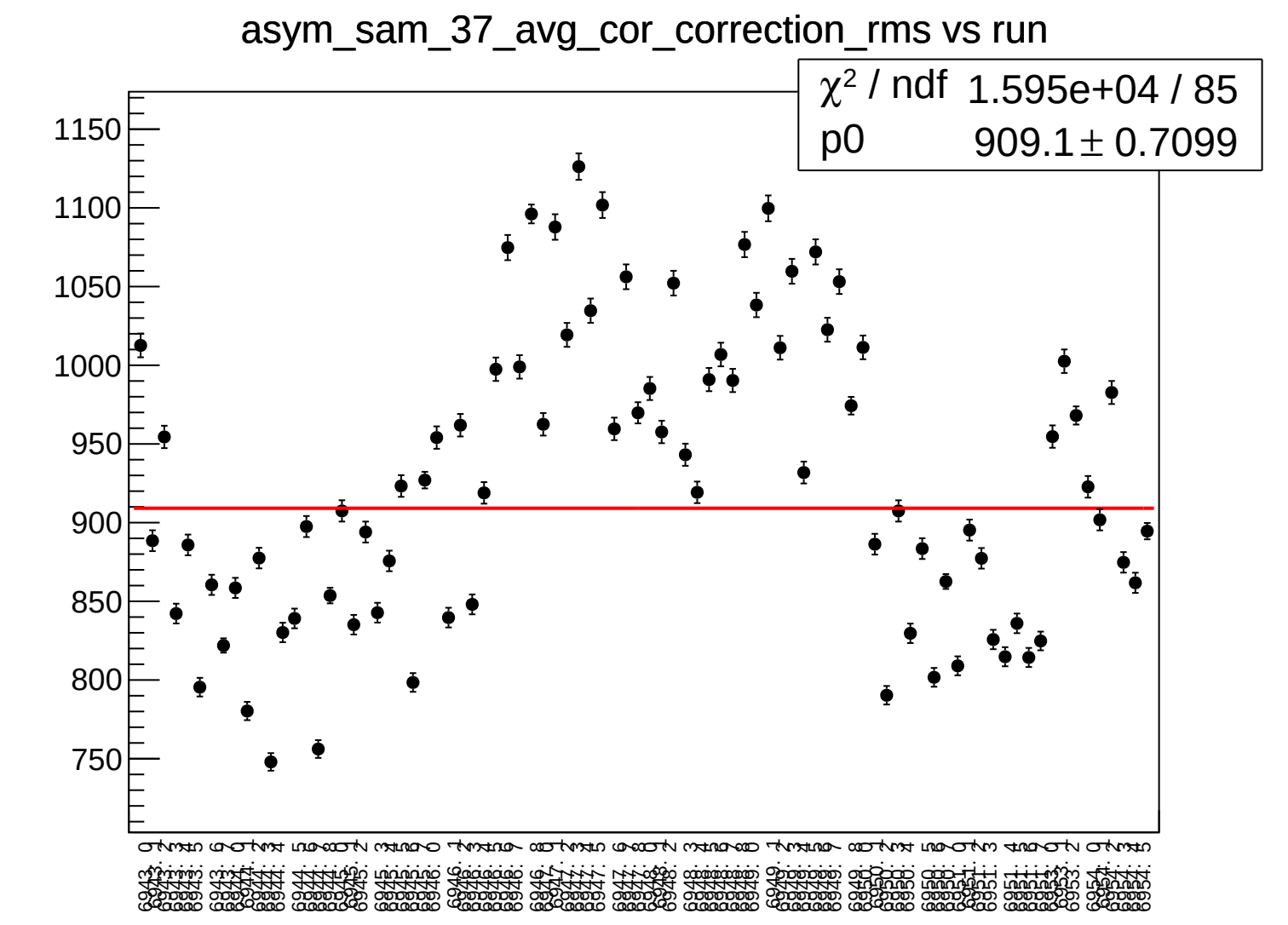

cor_asym_sam_37_avg_mean vs run
χ² / ndf 83.74 / 85
p0 −101.8 ± 74.91
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −349.9
Std Dev 0
2
1
0
−1
−2

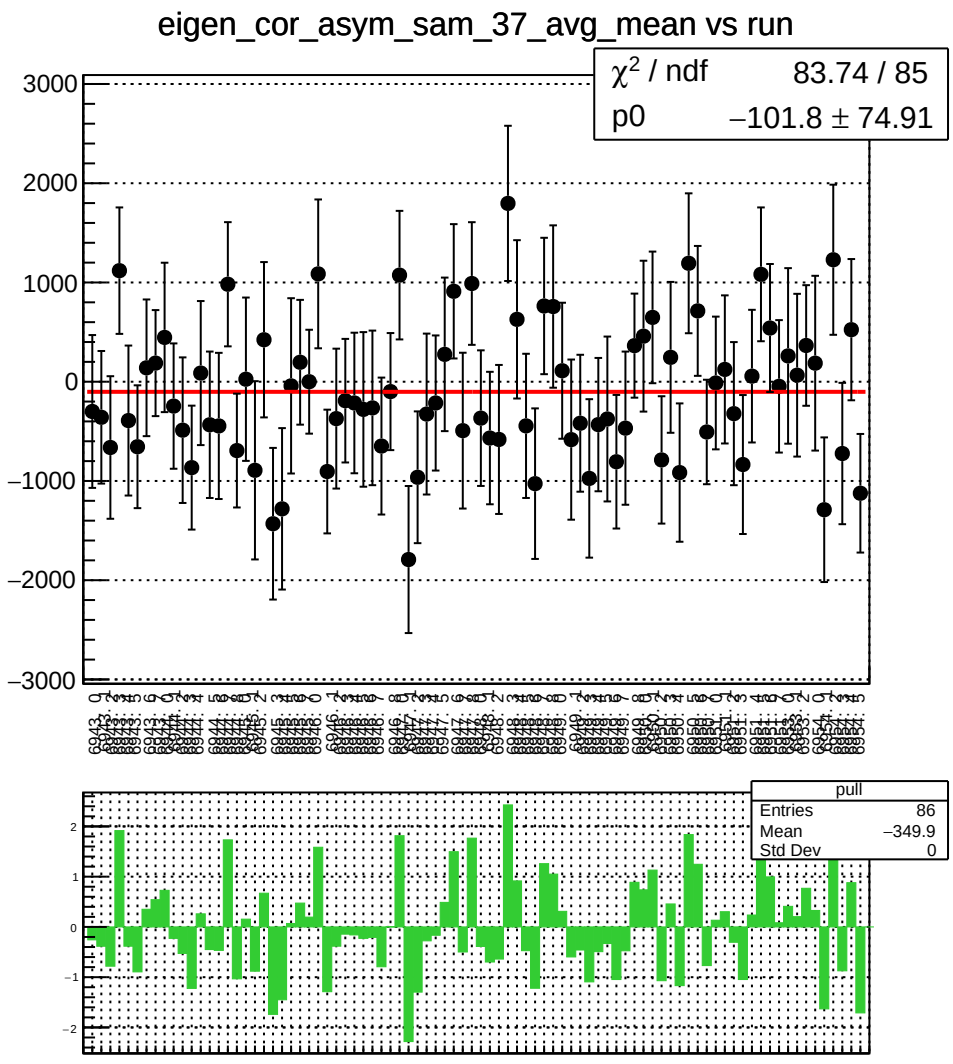

pull1D
Entries 86
Mean −0.006251
Std Dev 0.9867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

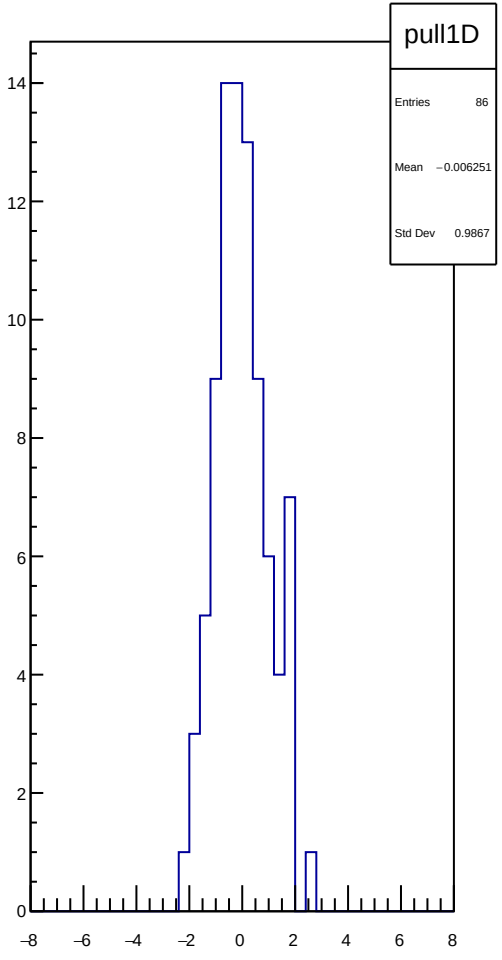

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.237e+04 / 85
p0 67.91 ± 0.05297
85
80
75
70
65
60

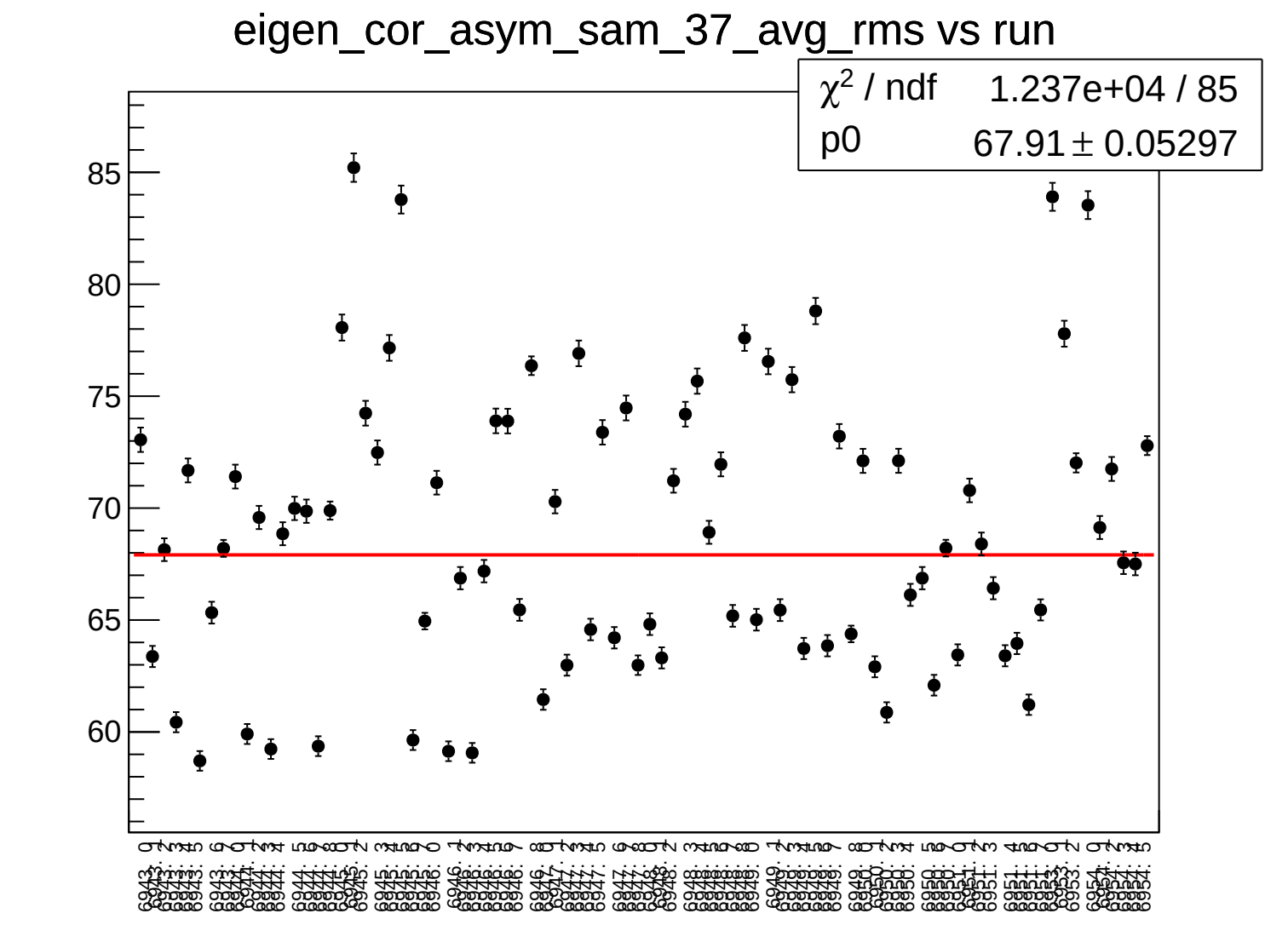

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 85.54 / 85
p0 −3687 ± 1004
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −10.11
Std Dev 0
2
1
0
−1
−2

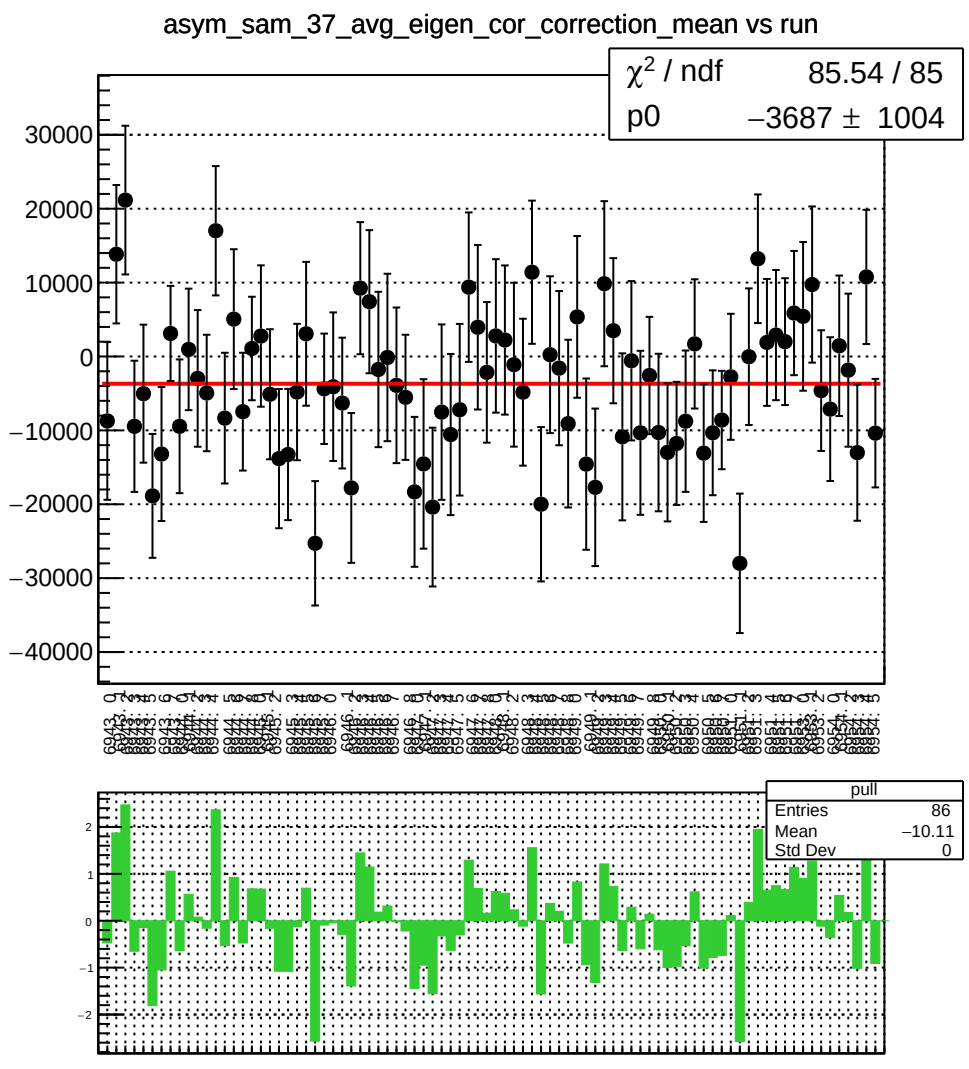

pull1D
Entries 86
Mean −0.003557
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

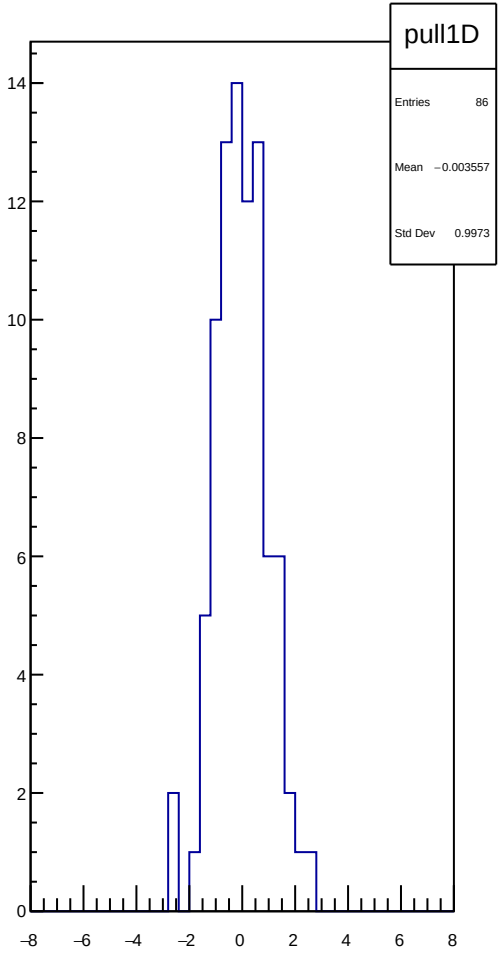

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 1.595e+04 / 85
p0 909.1 ± 0.7099
1150
1100
1050
1000
950
900
850
800
750

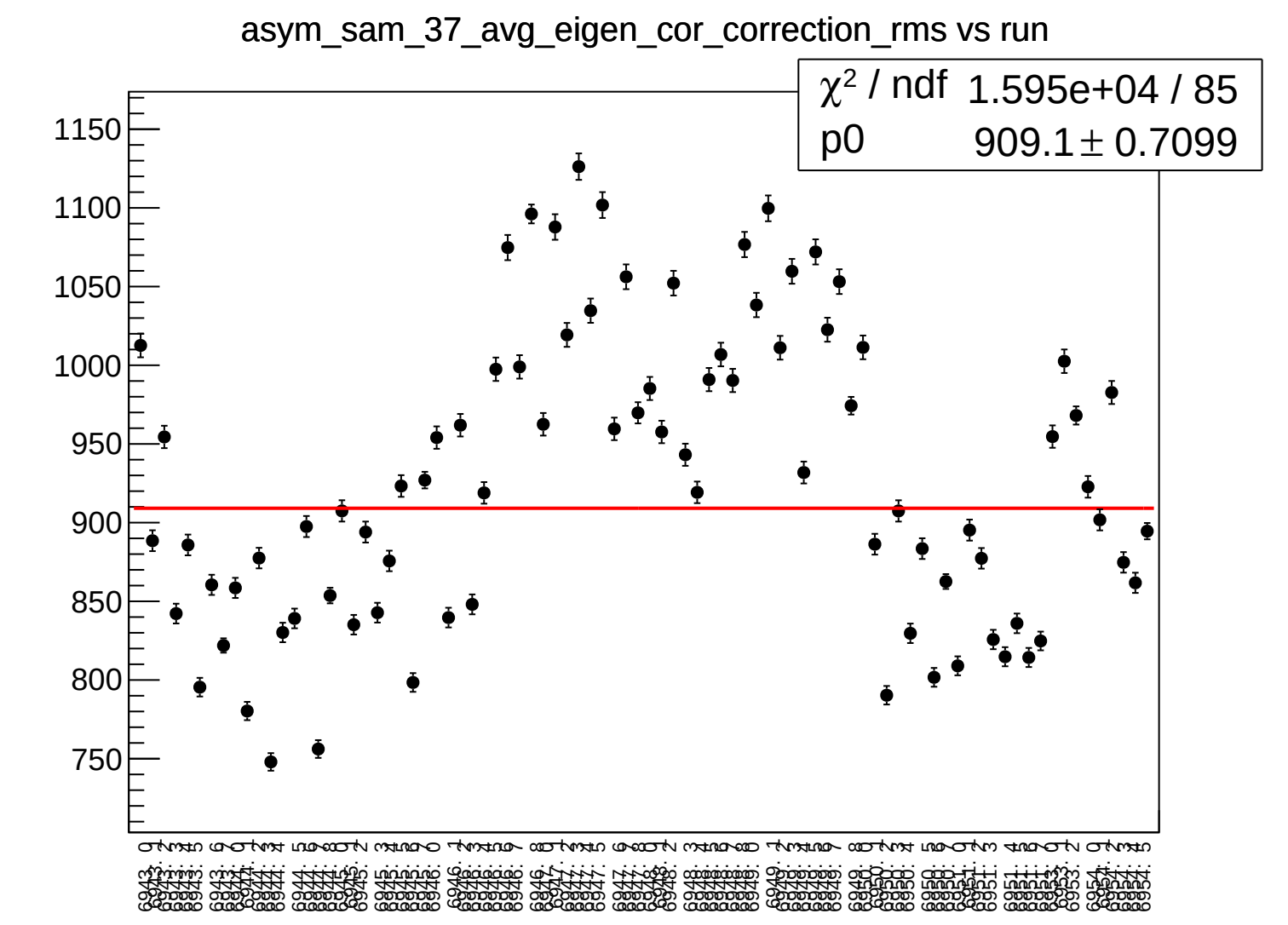

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 83.74 / 85
p0 −101.8 ± 74.91
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −349.9
Std Dev 0
2
1
0
−1
−2

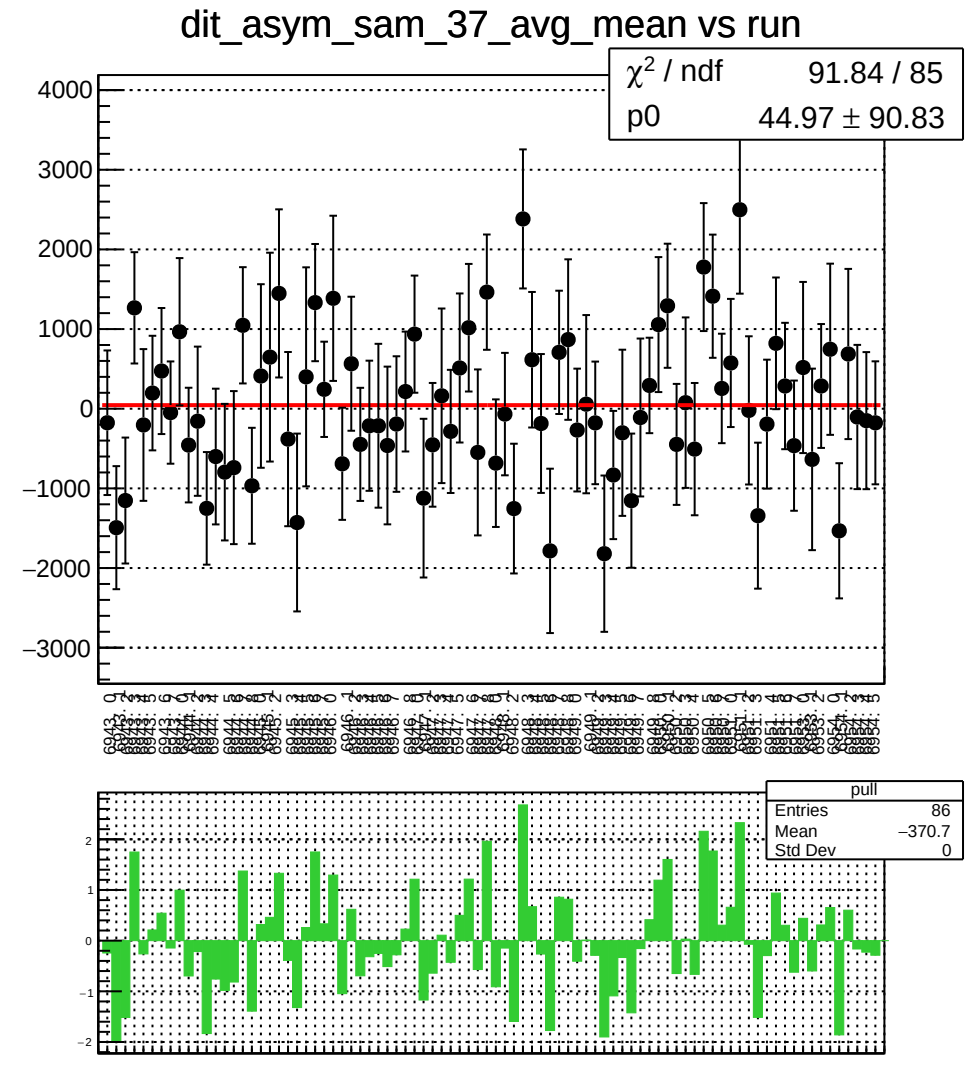

pull1D
Entries 86
Mean −0.006251
Std Dev 0.9867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

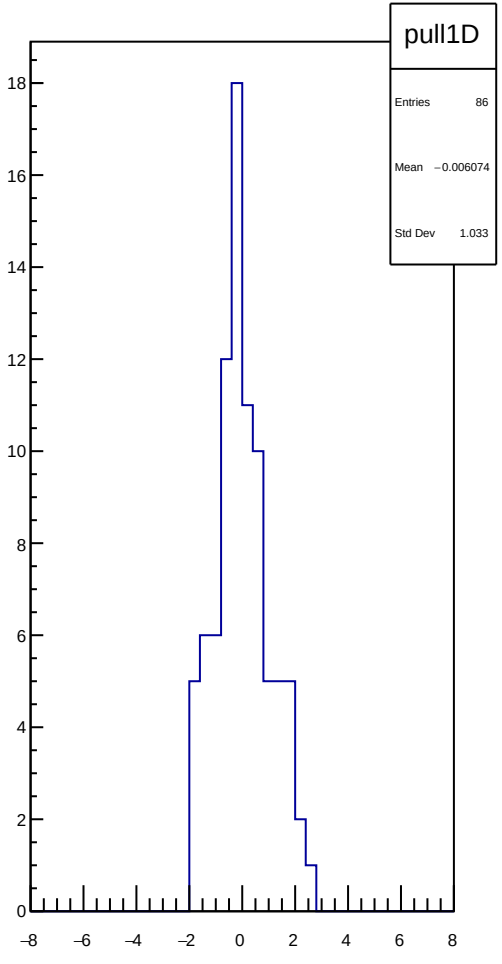

eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.237e+04 / 85
p0 67.91 ± 0.05297
85
80
75
70
65
60

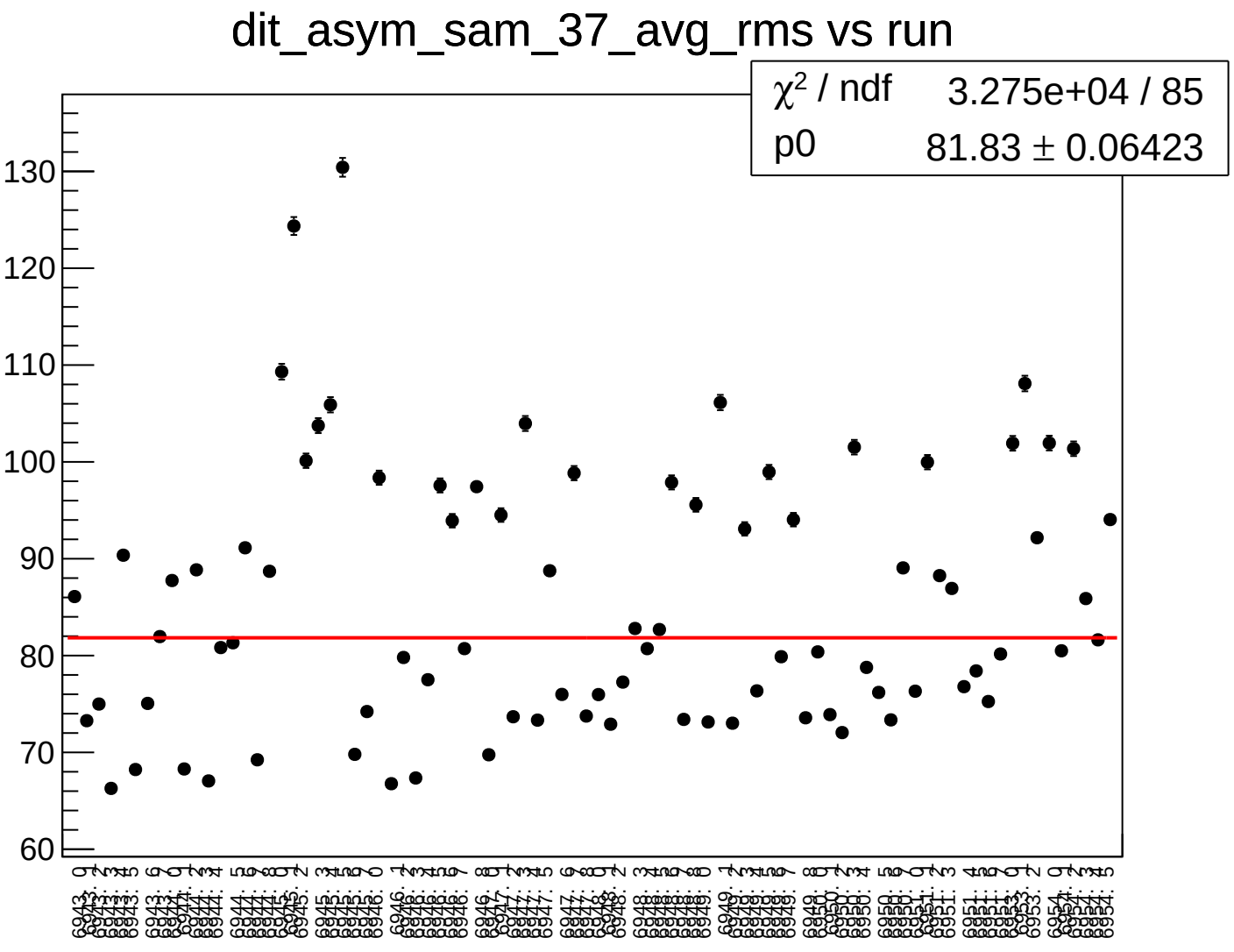

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.54 / 85
p0 −3687 ± 1004
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −10.11
Std Dev 0
2
1
0
−1
−2

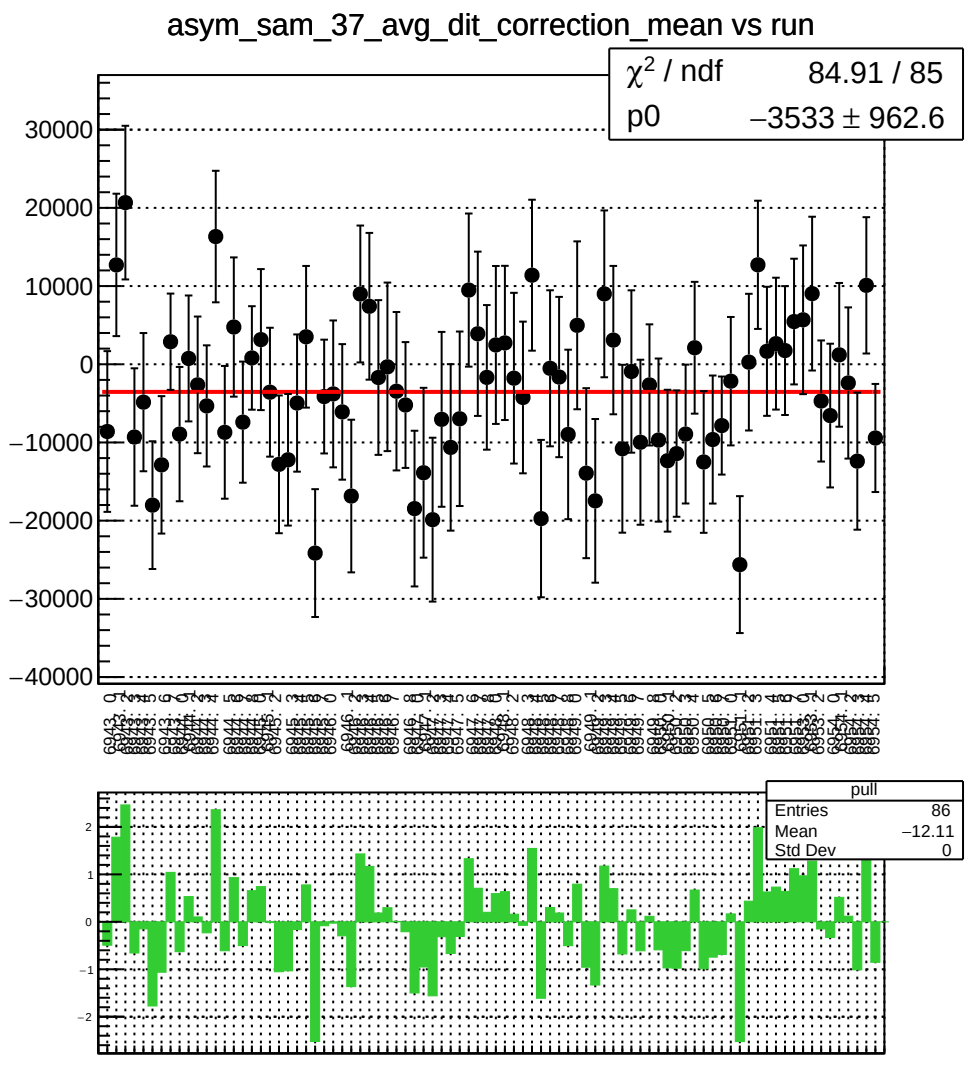

pull1D
Entries 86
Mean −0.003557
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

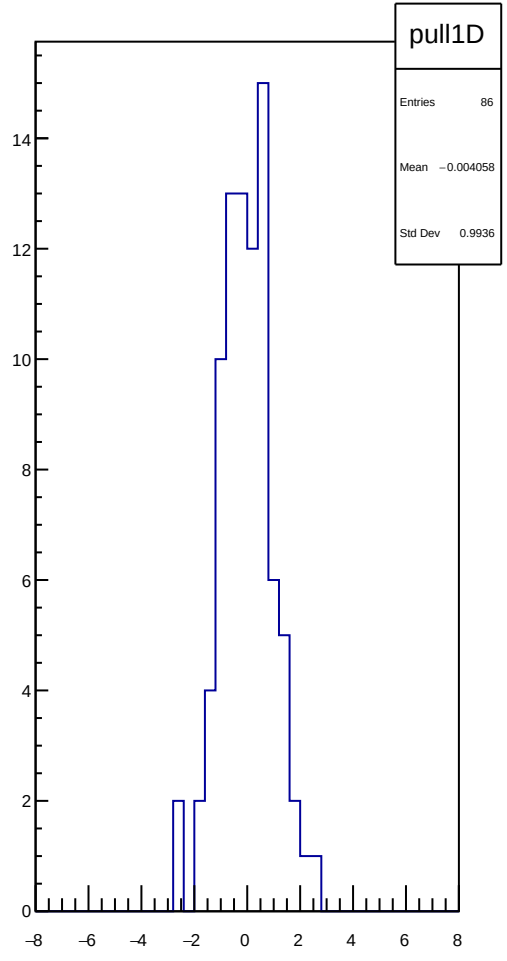

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.595e+04 / 85
p0 909.1 ± 0.7099
1150
1100
1050
1000
950
900
850
800
750

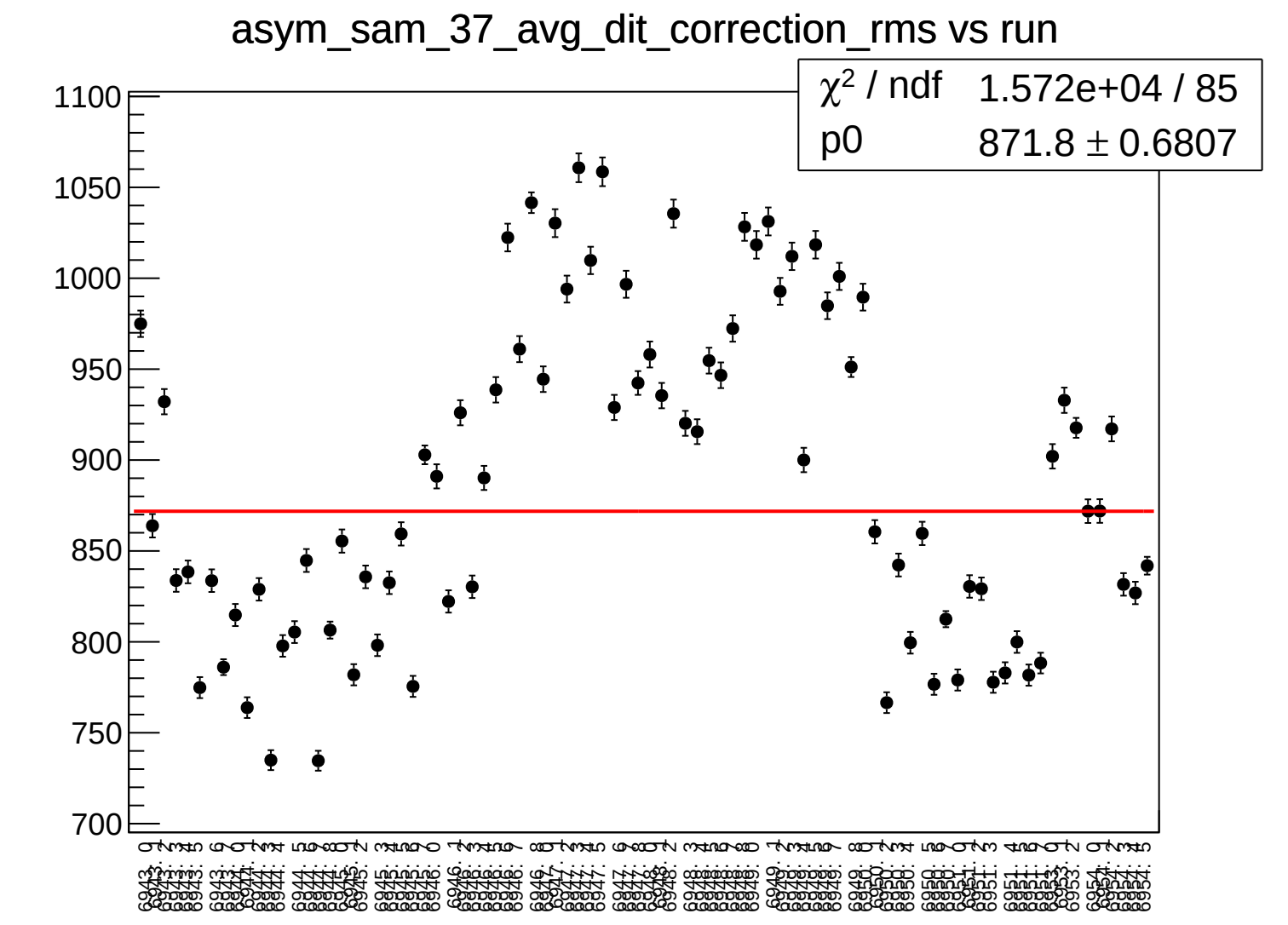

dit_asym_sam_37_avg_mean vs run
χ² / ndf 91.84 / 85
p0 44.97 ± 90.83
pull
Entries 86
Mean −370.7
Std Dev 0

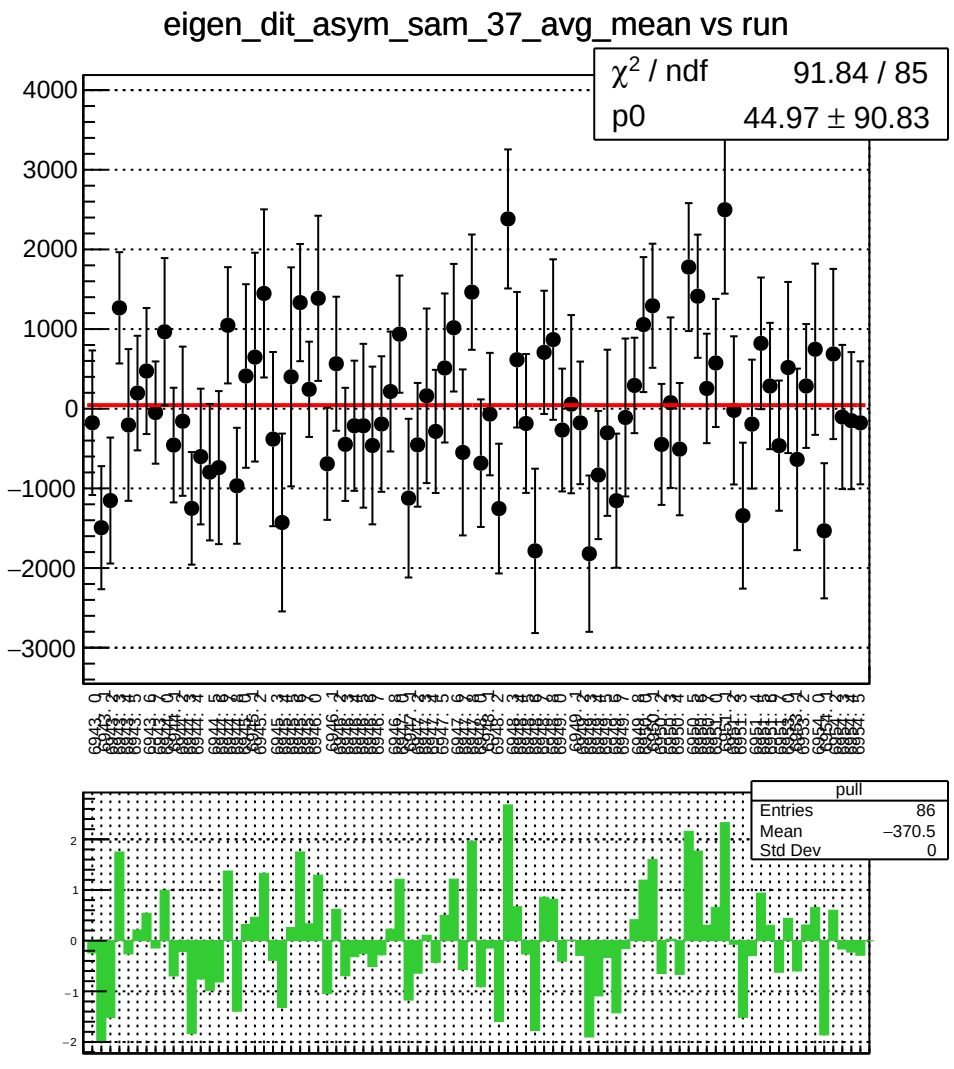

pull1D
Entries 86
Mean −0.006074
Std Dev 1.033

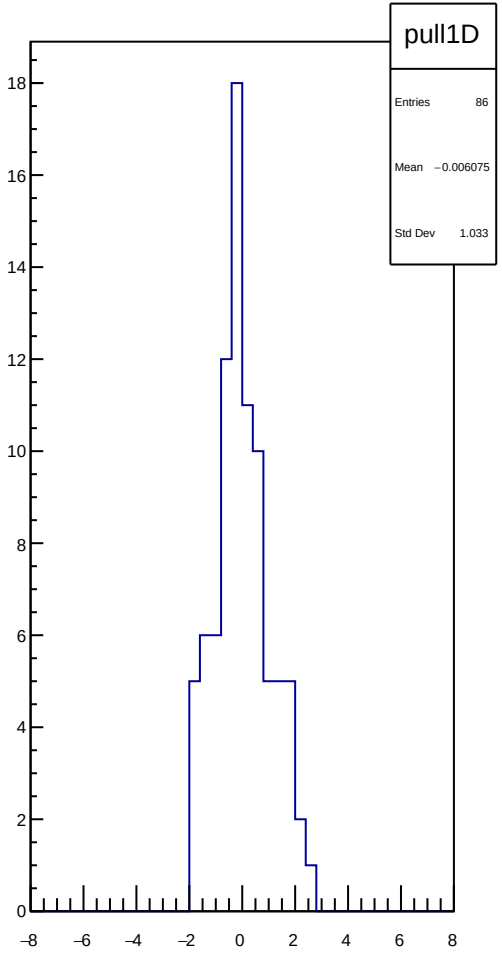

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.275e+04 / 85
p0 81.83 ± 0.06423
130
120
110
100
90
80
70
60

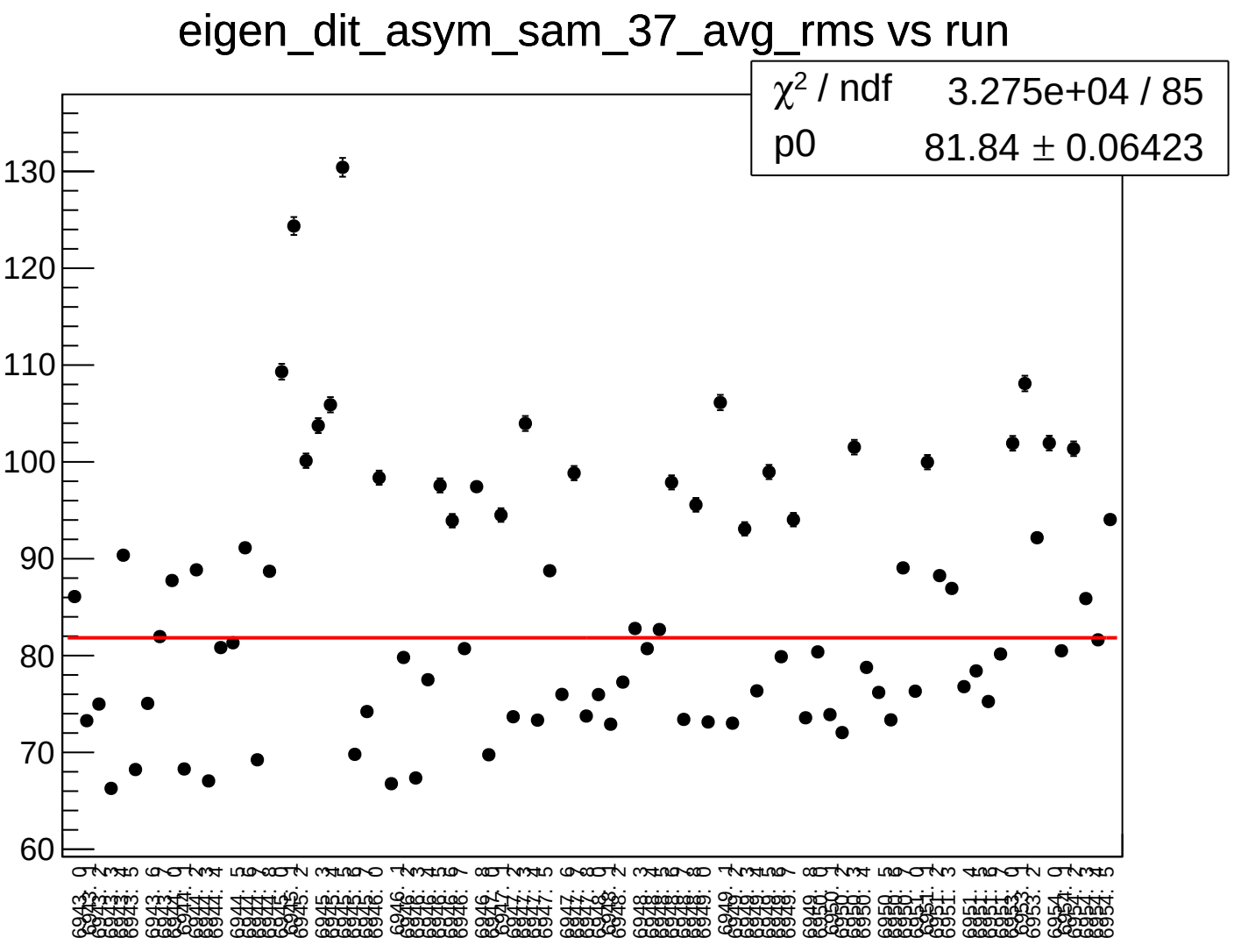

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 84.91 / 85
p0 −3533 ± 962.6
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −12.11
Std Dev 0
2
1
0
−1
−2

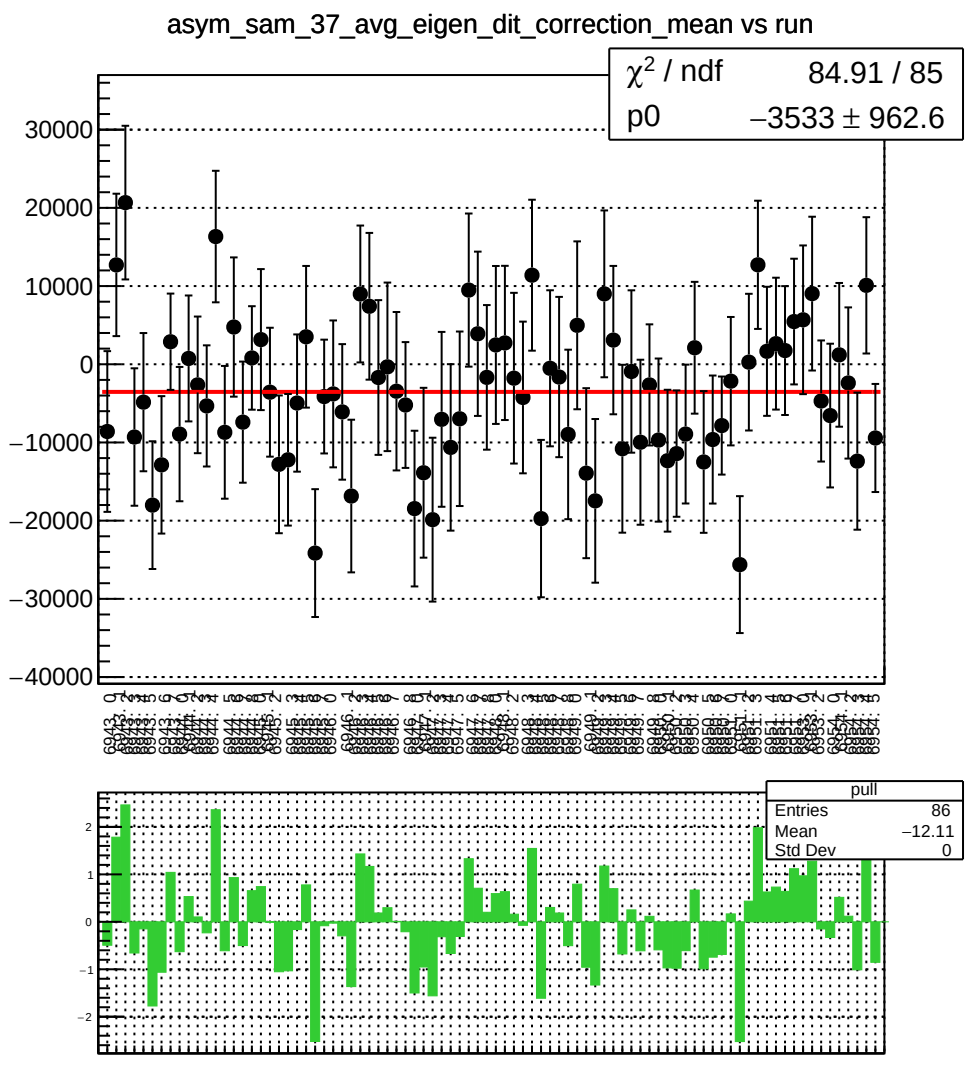

pull1D
Entries 86
Mean −0.004058
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

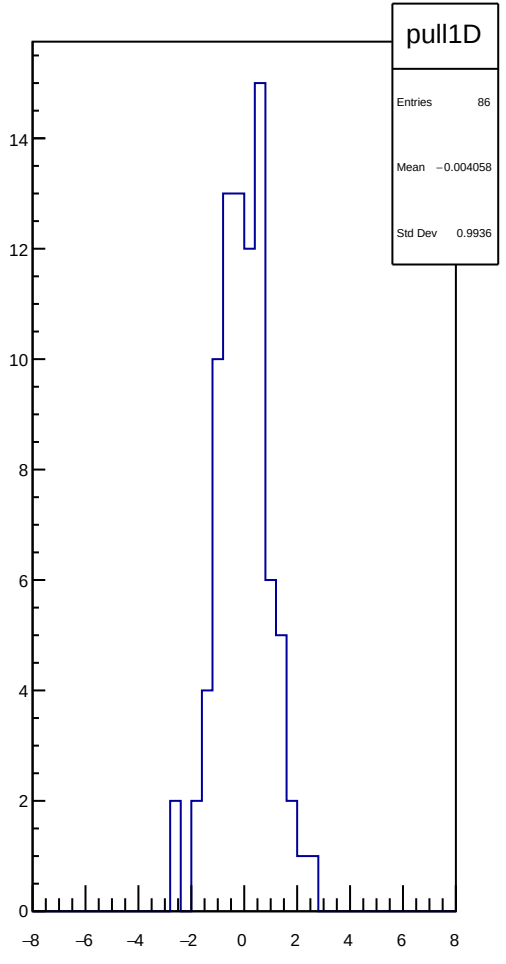

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 1.572e+04 / 85
p0 871.8 ± 0.6807
1100
1050
1000
950
900
850
800
750
700

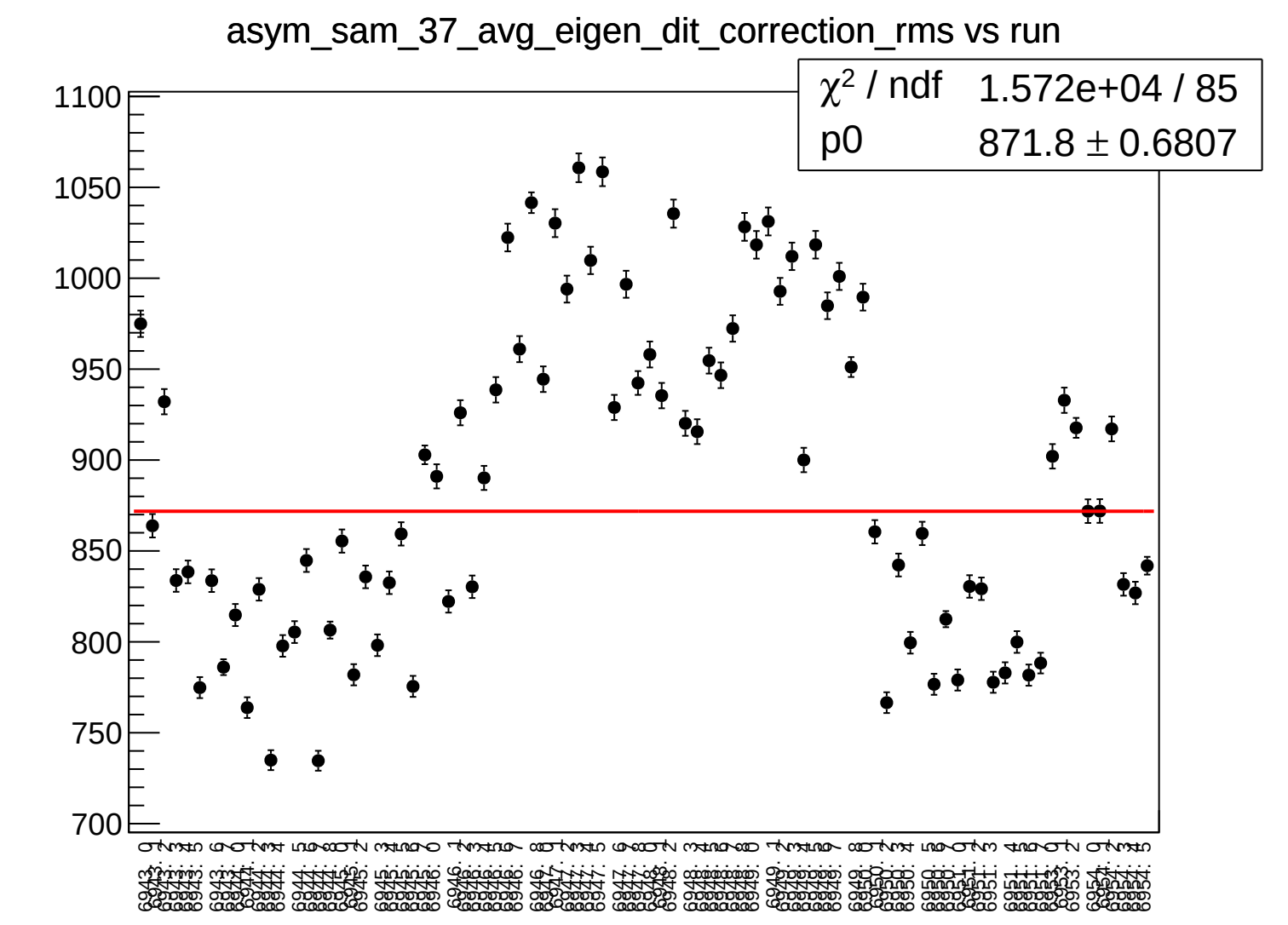

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 91.84 / 85
p0 44.97 ± 90.83
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −370.5
Std Dev 0
2
1
0
−1
−2

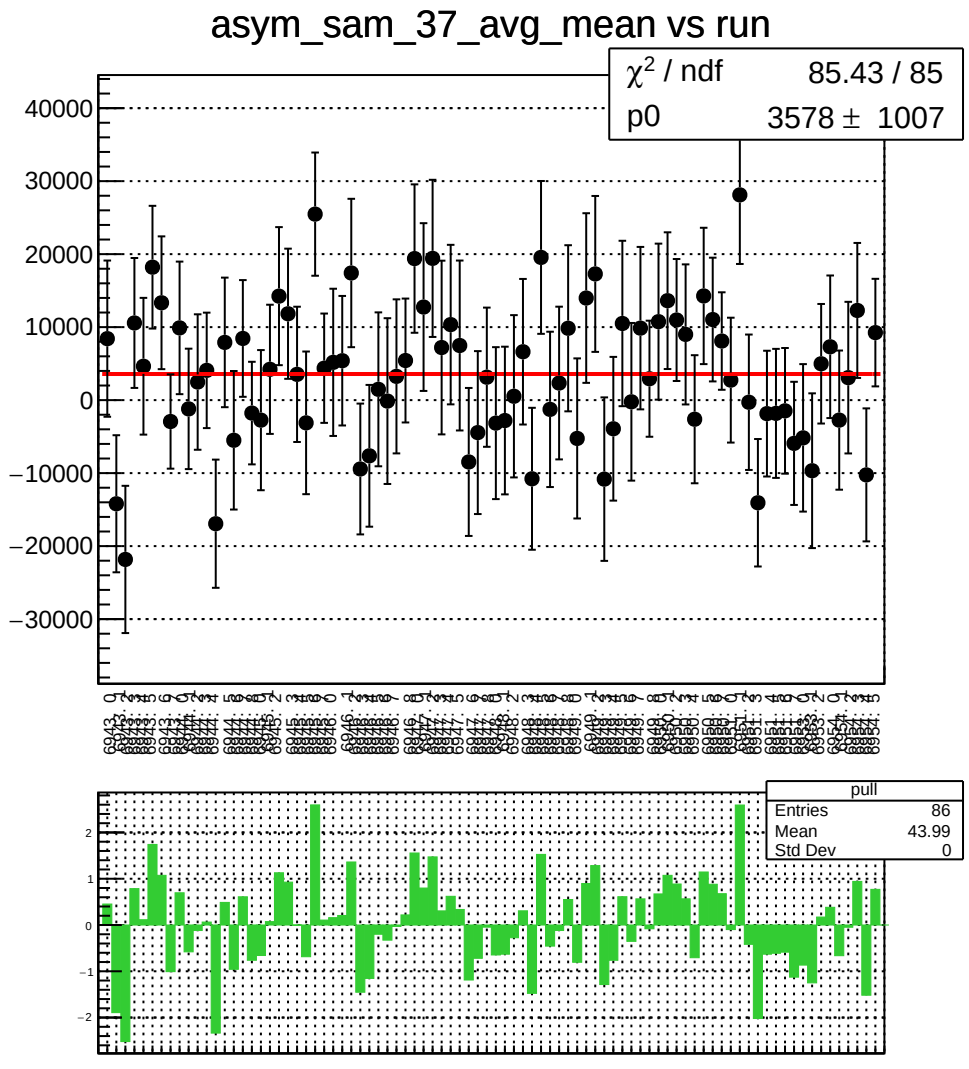

pull1D
Entries 86
Mean −0.006075
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

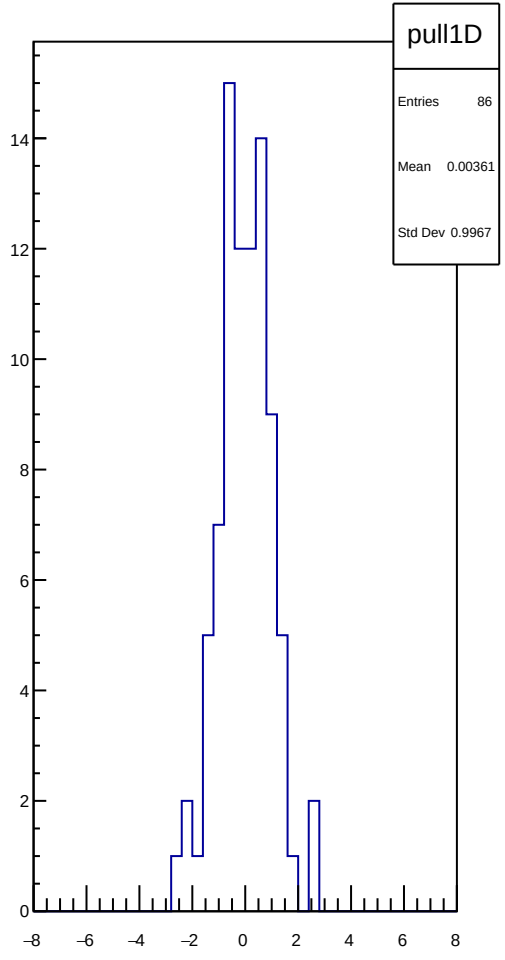

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.275e+04 / 85
p0 81.84 ± 0.06423
130
120
110
100
90
80
70
60

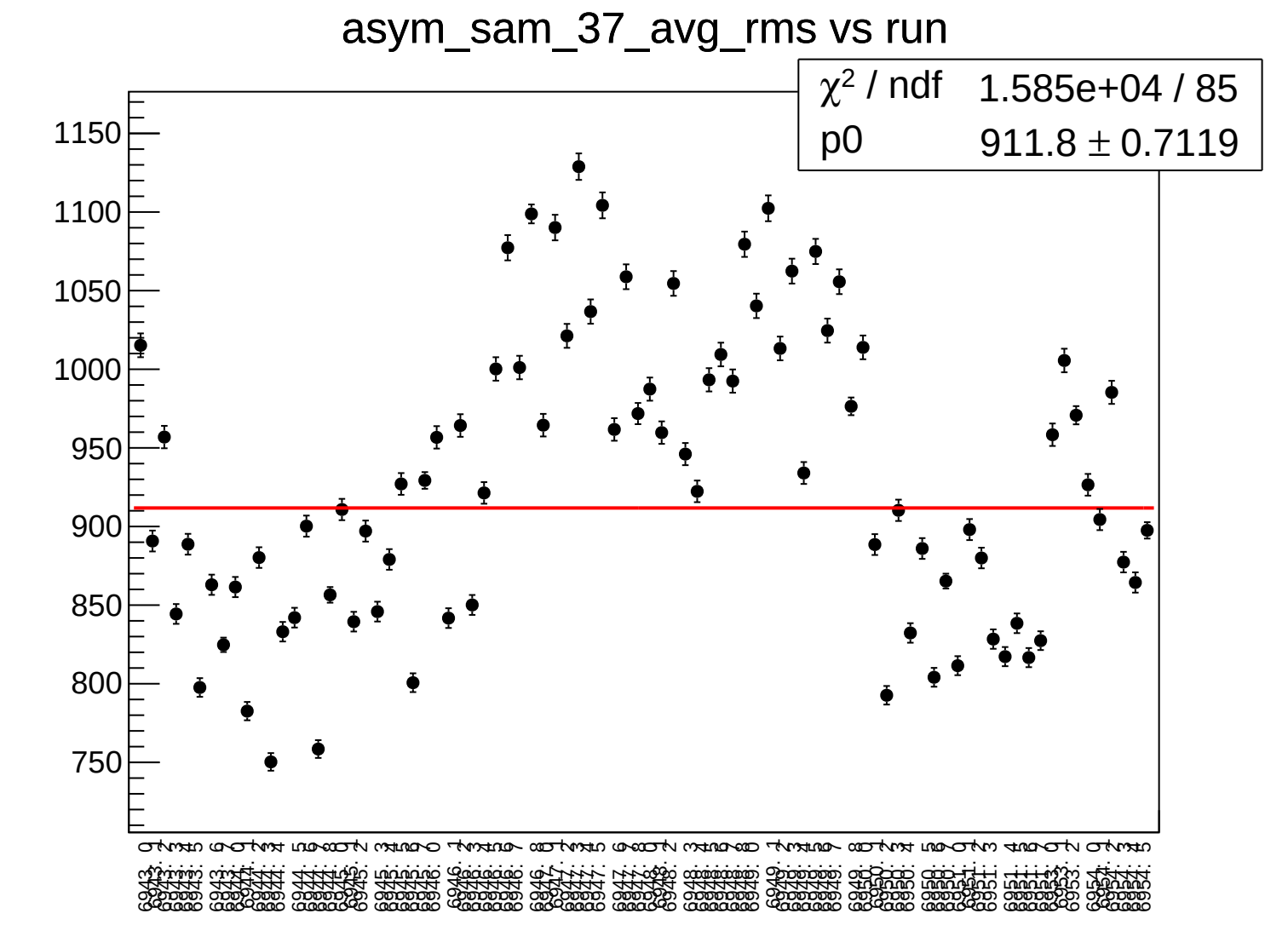

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.91 / 85
p0 −3533 ± 962.6
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −12.11
Std Dev 0
2
1
0
−1
−2

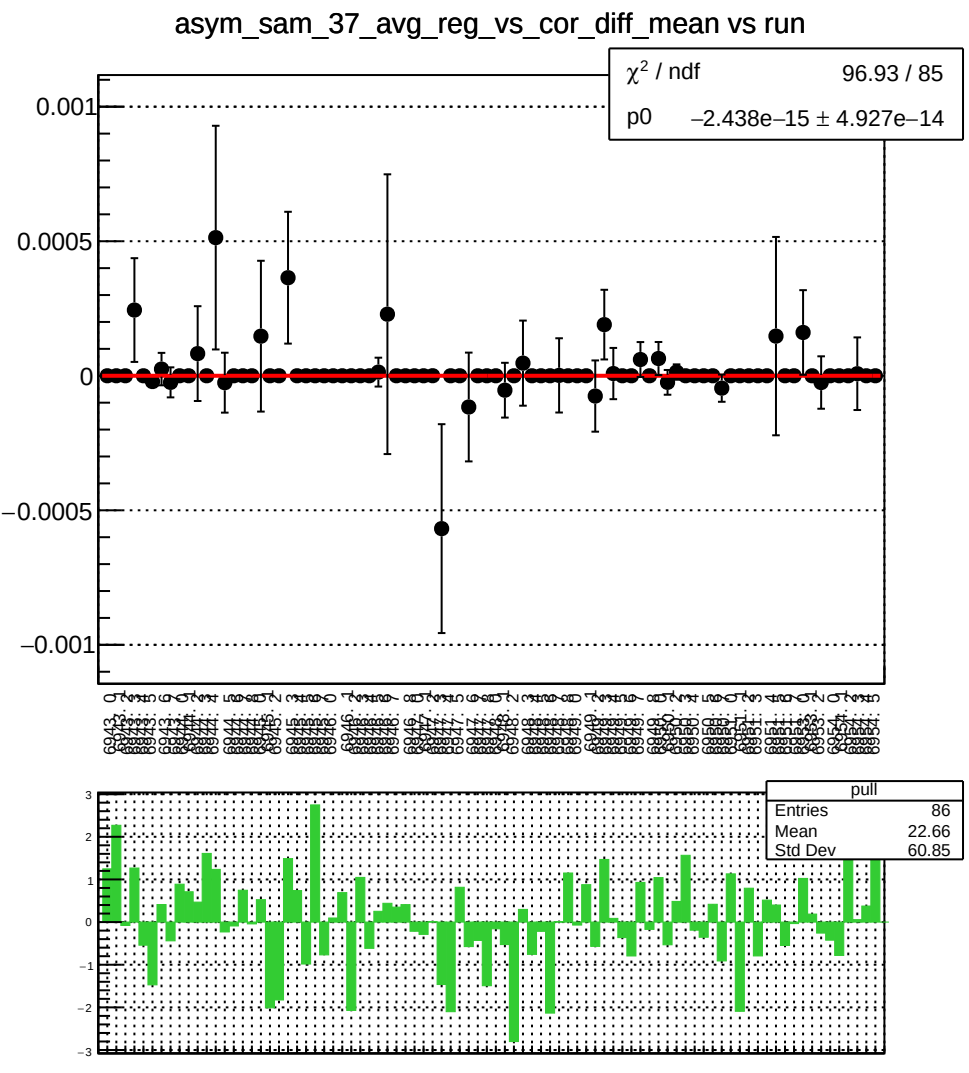

pull1D
Entries 86
Mean −0.004058
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

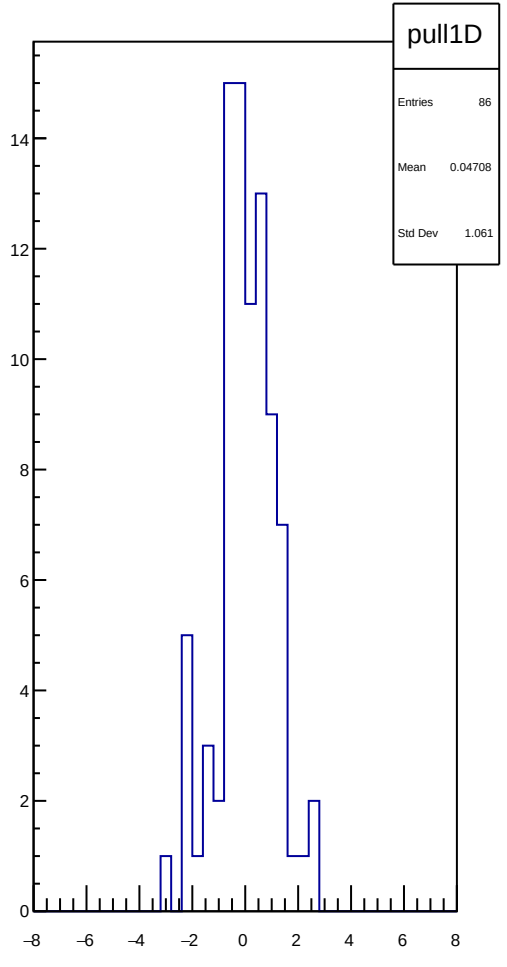

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.572e+04 / 85
p0 871.8 ± 0.6807
1100
1050
1000
950
900
850
800
750
700

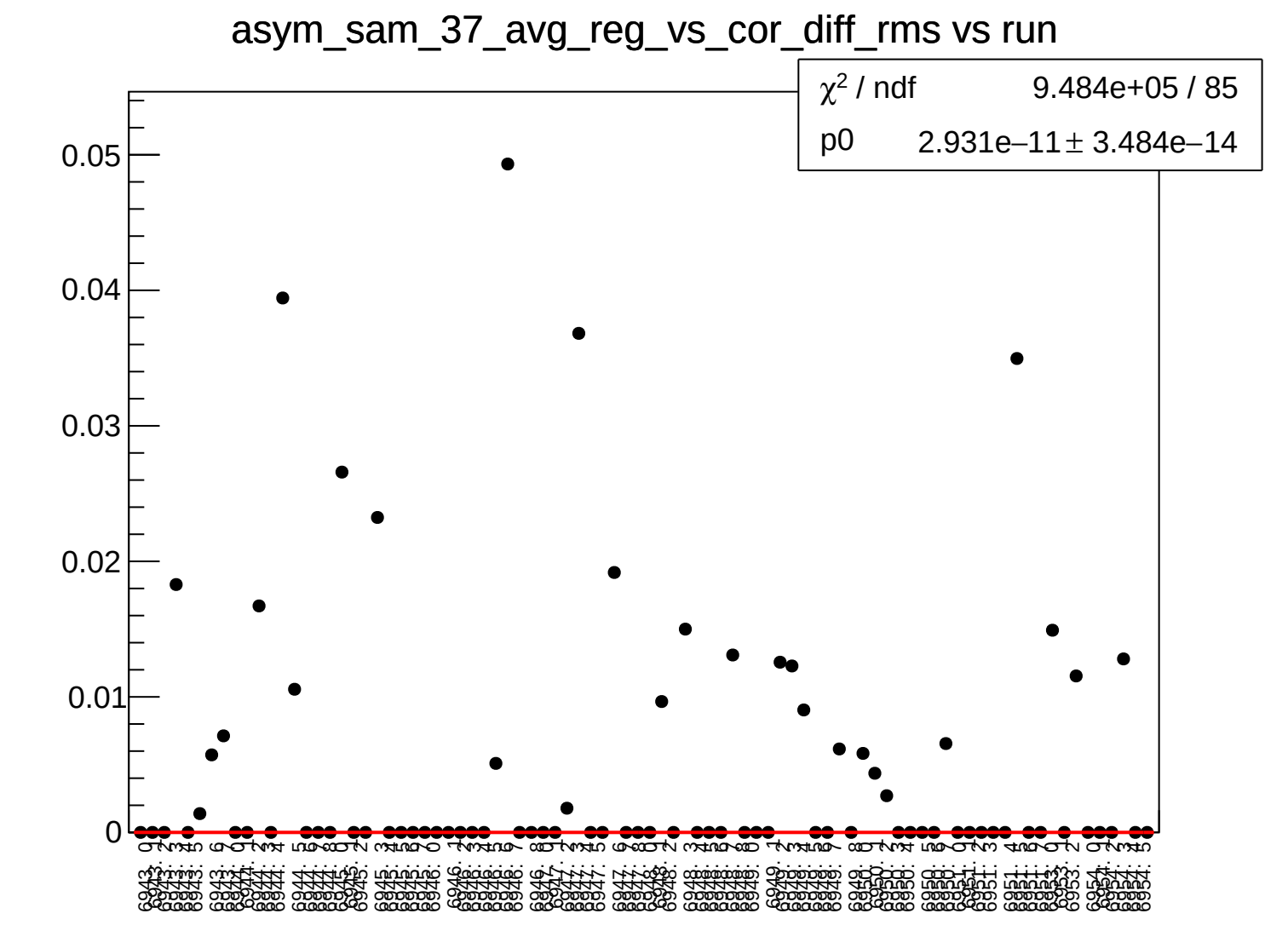

asym_sam_37_avg_mean vs run
χ² / ndf 85.43 / 85
p0 3578 ± 1007
pull
Entries 86
Mean 43.99
Std Dev 0

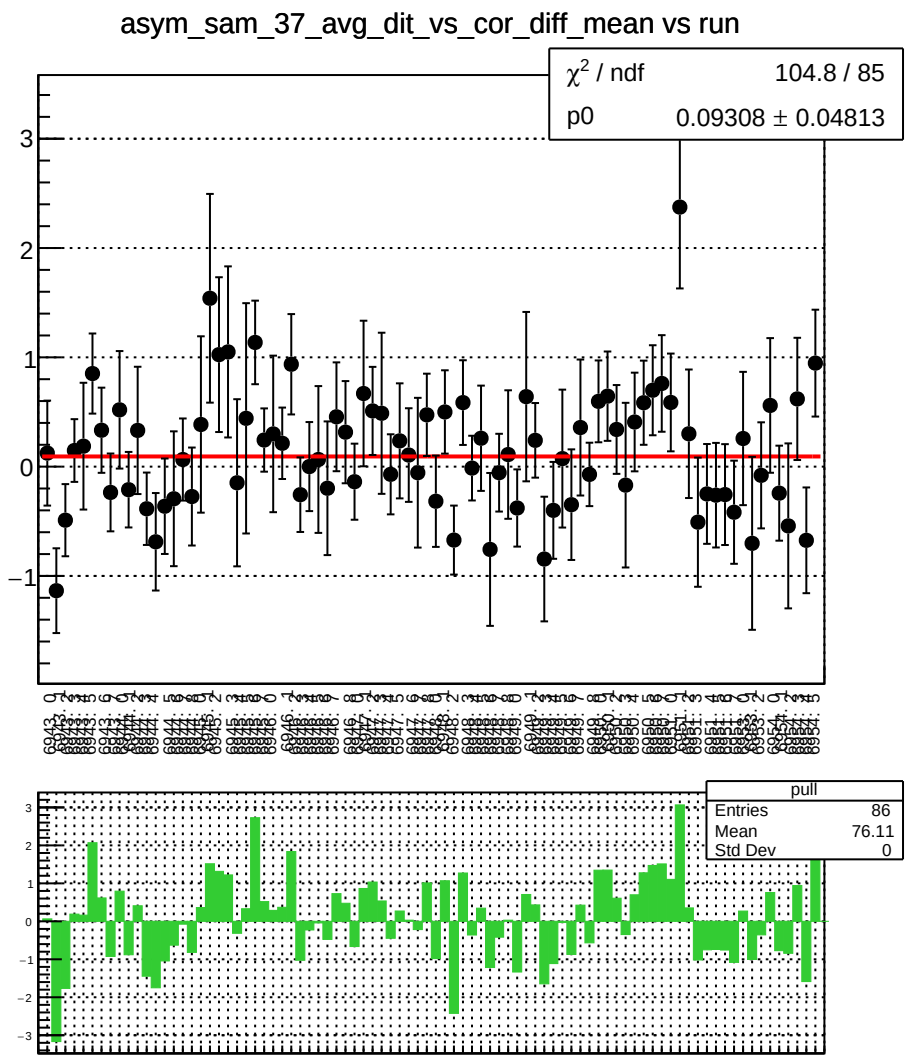

pull1D
Entries 86
Mean 0.00361
Std Dev 0.9967

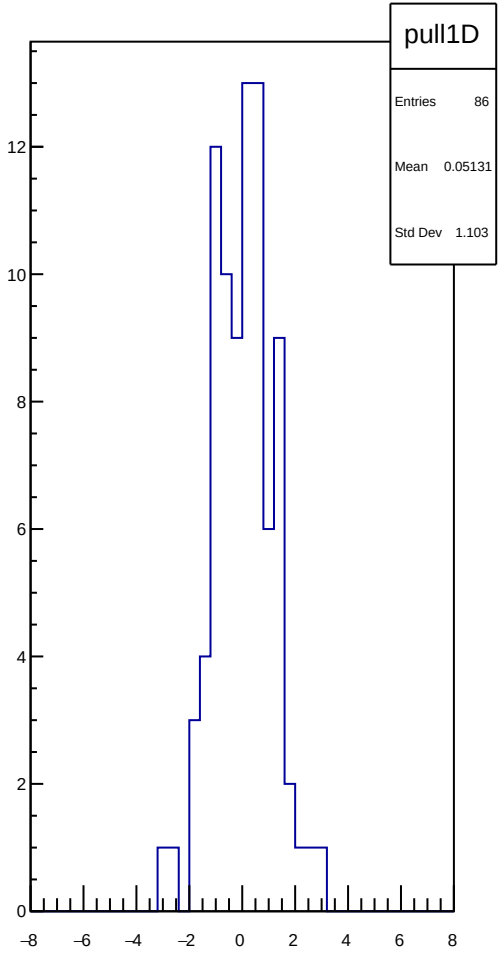

asym_sam_37_avg_rms vs run
χ² / ndf 1.585e+04 / 85
p0 911.8 ± 0.7119
1150
1100
1050
1000
950
900
850
800
750

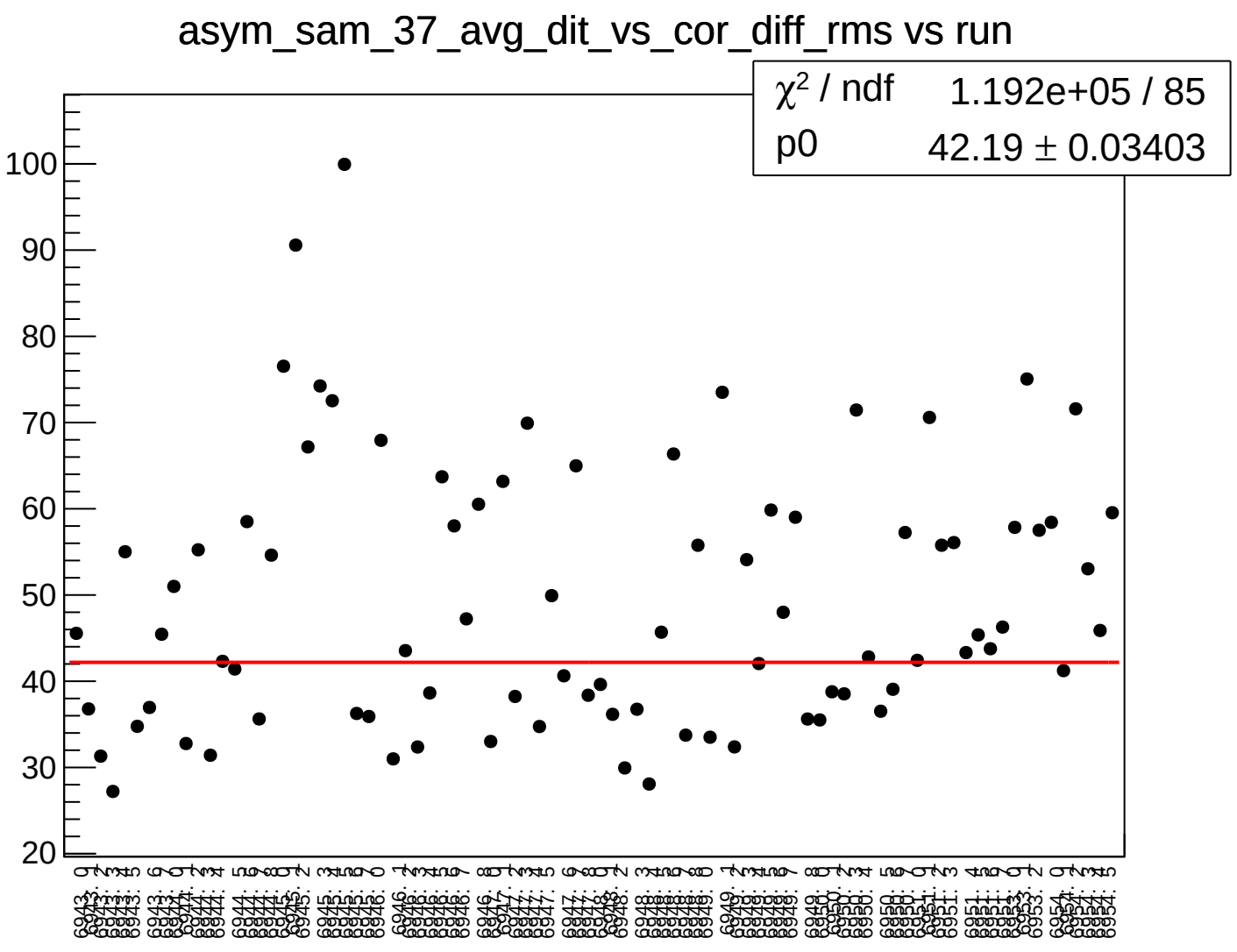

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 96.93 / 85
p0 −2.438e−15 ± 4.927e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 22.66
Std Dev 60.85
3
2
1
0
−1
−2
−3

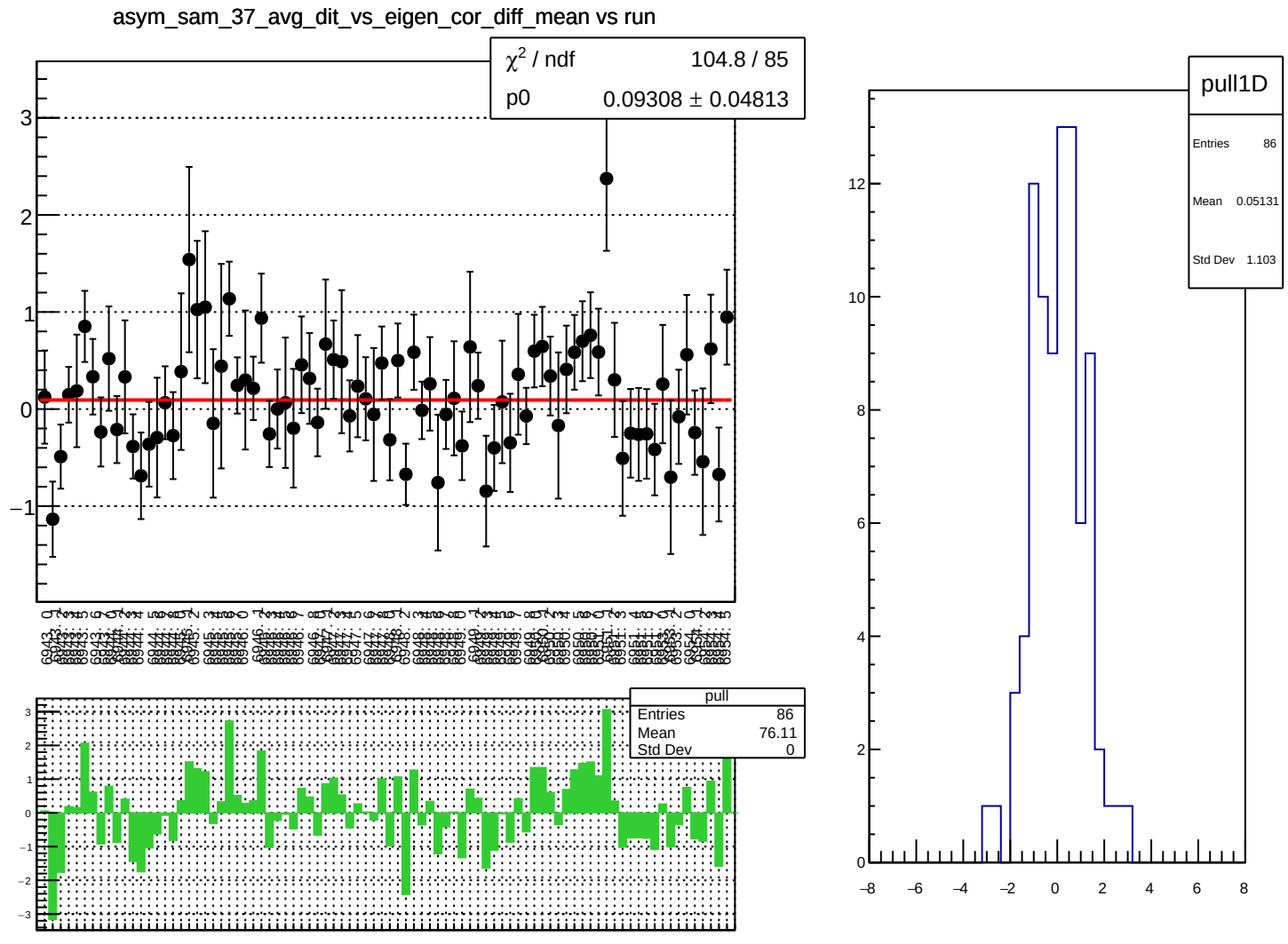

pull1D
Entries 86
Mean 0.04708
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

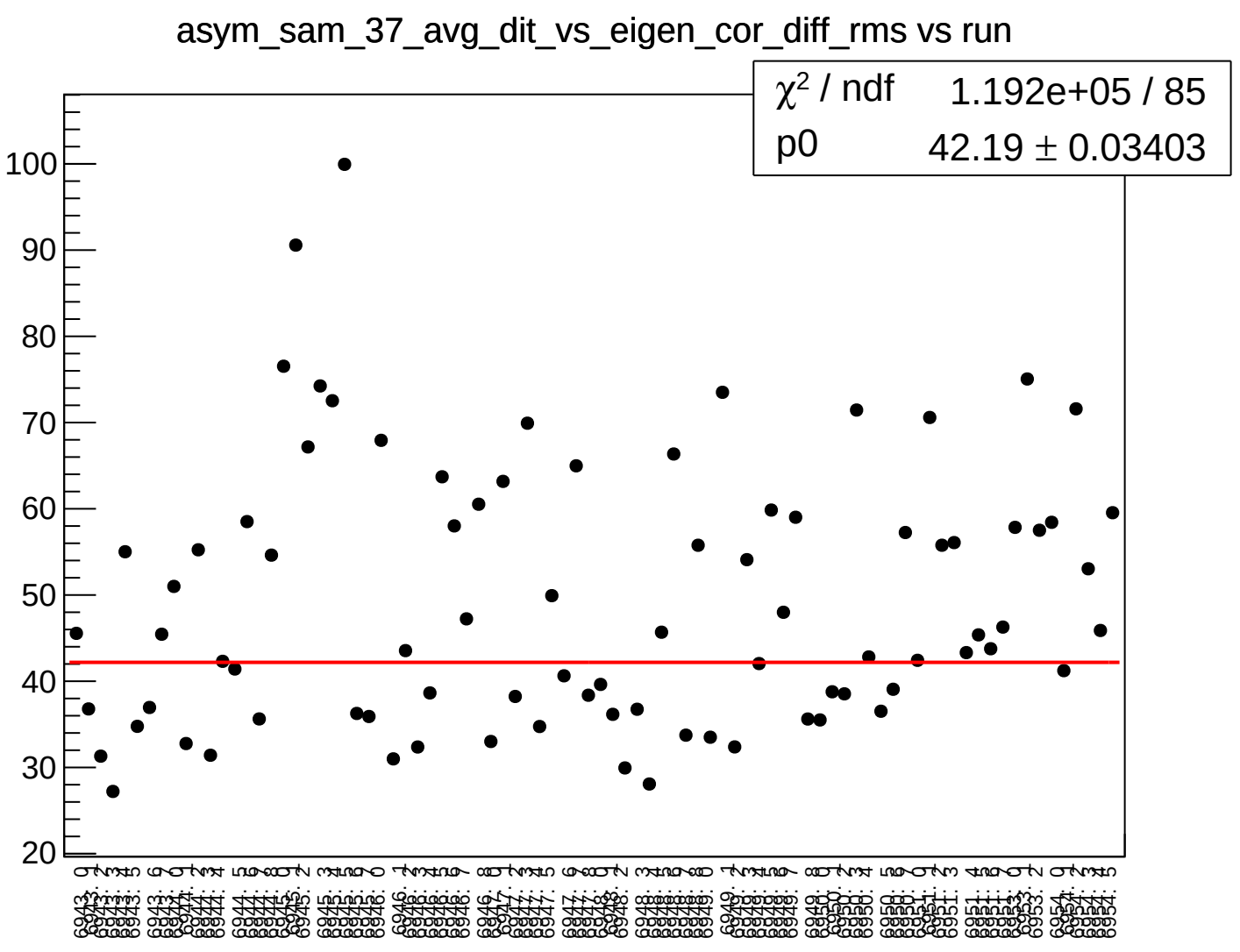

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.484e+05 / 85
p0 2.931e−11 ± 3.484e−14
0.05
0.04
0.03
0.02
0.01
0

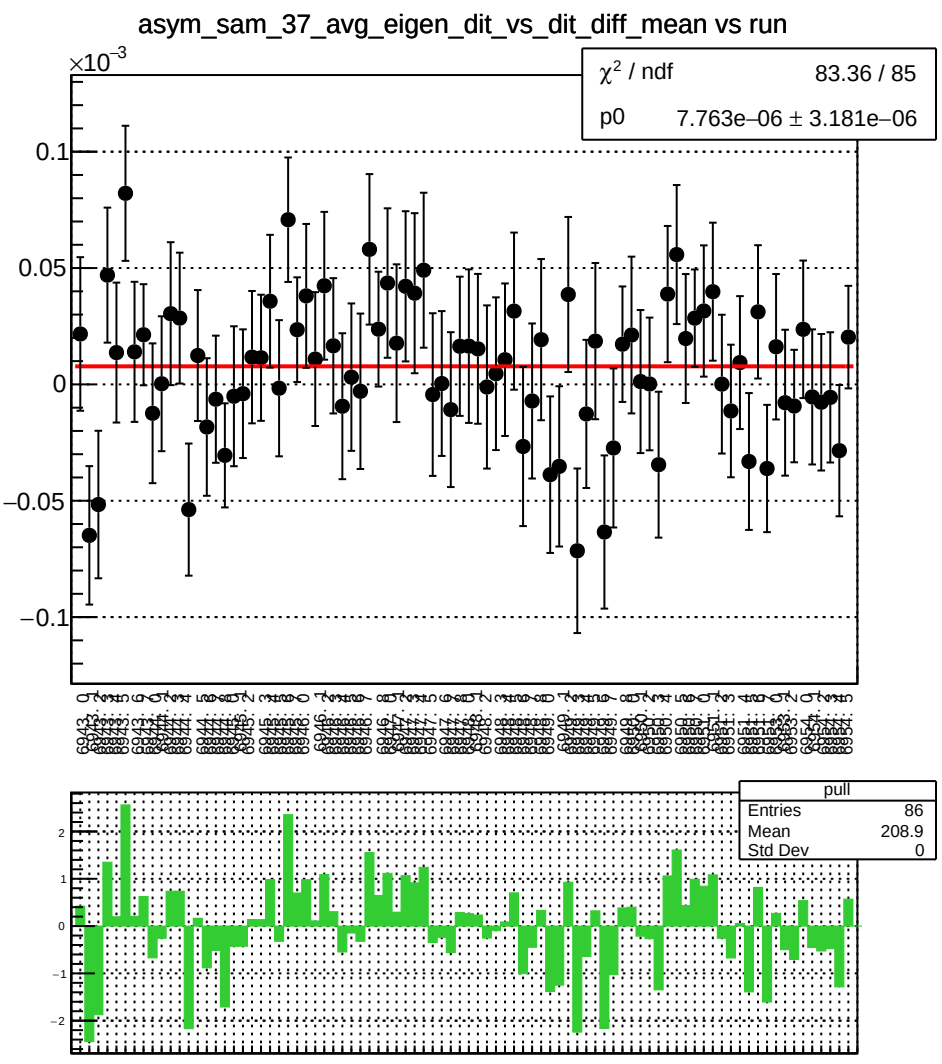

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.8 / 85
p0 0.09308 ± 0.04813
pull
Entries 86
Mean 76.11
Std Dev 0

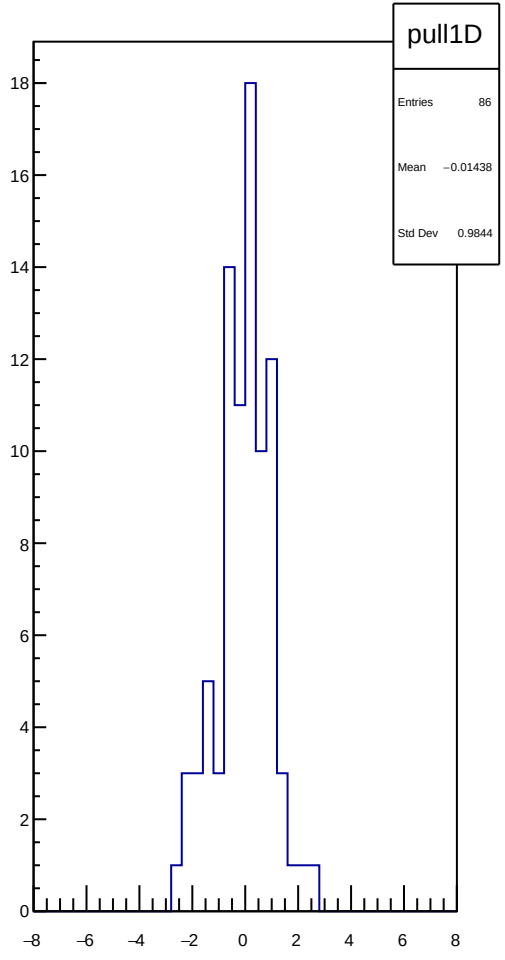

pull1D
Entries 86
Mean 0.05131
Std Dev 1.103

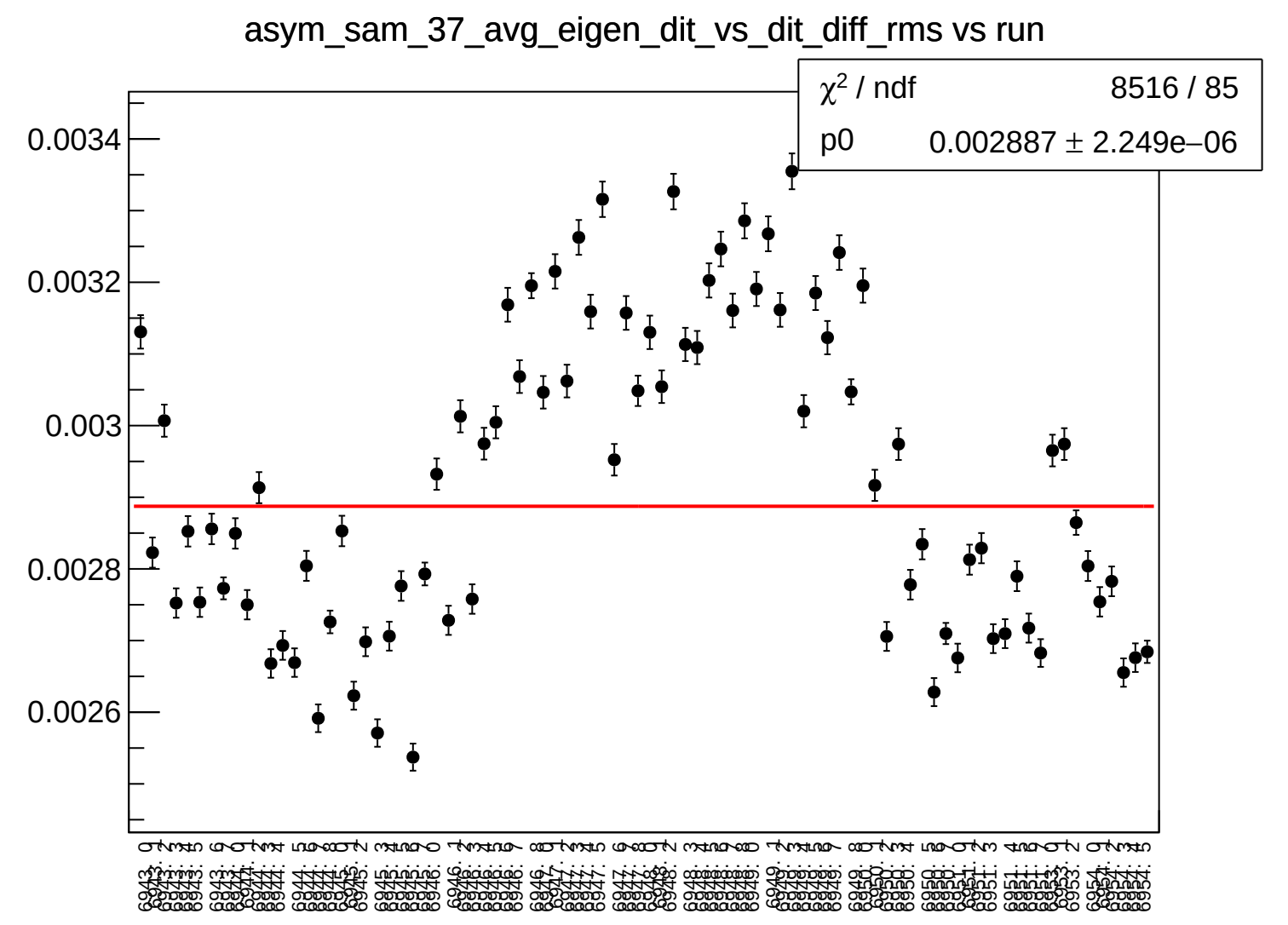

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.192e+05 / 85
p0 42.19 ± 0.03403
100
90
80
70
60
50
40
30
20

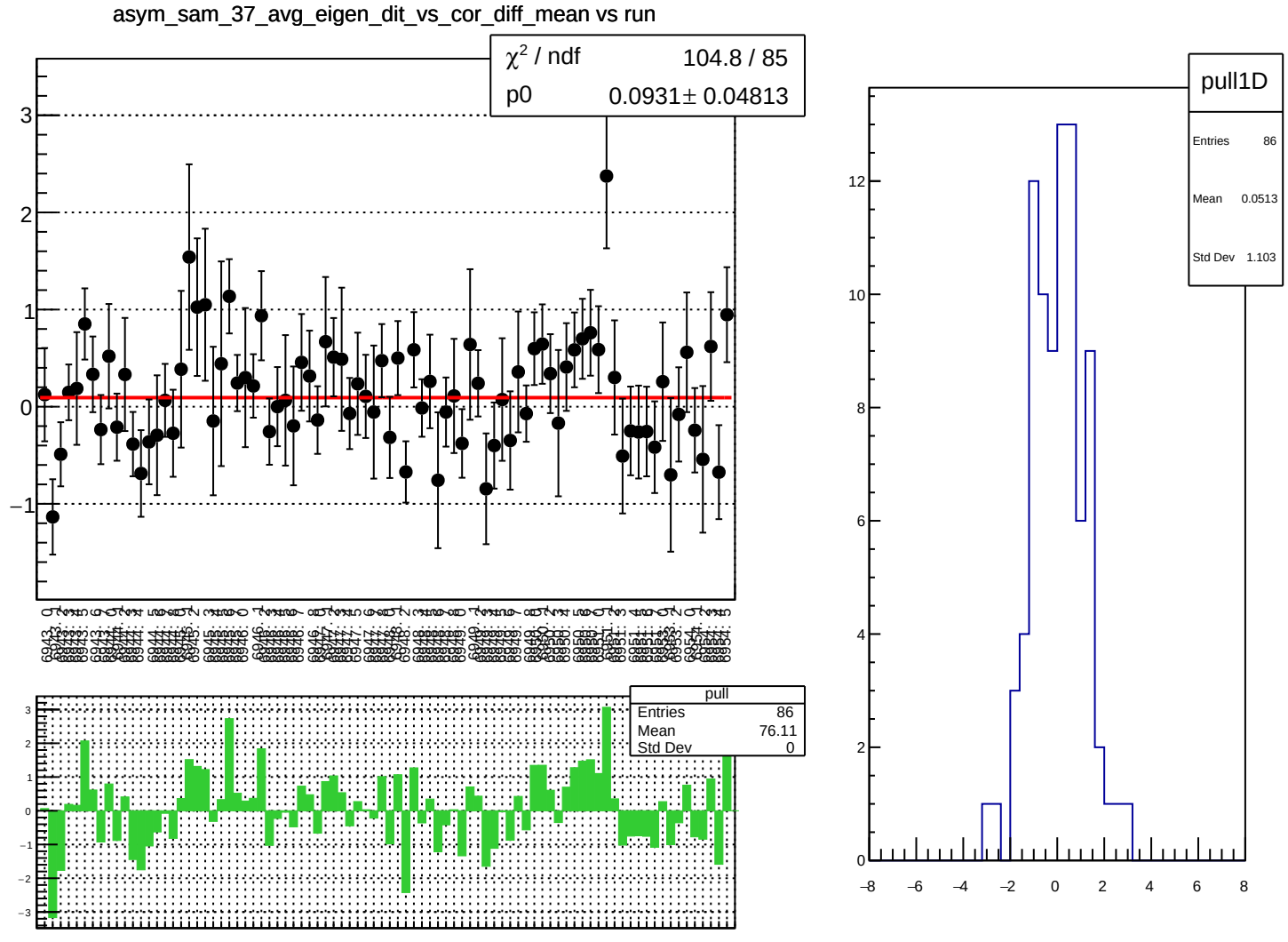

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.8 / 85
p0 0.09308 ± 0.04813
pull
Entries 86
Mean 76.11
Std Dev 0
pull1D
Entries 86
Mean 0.05131
Std Dev 1.103

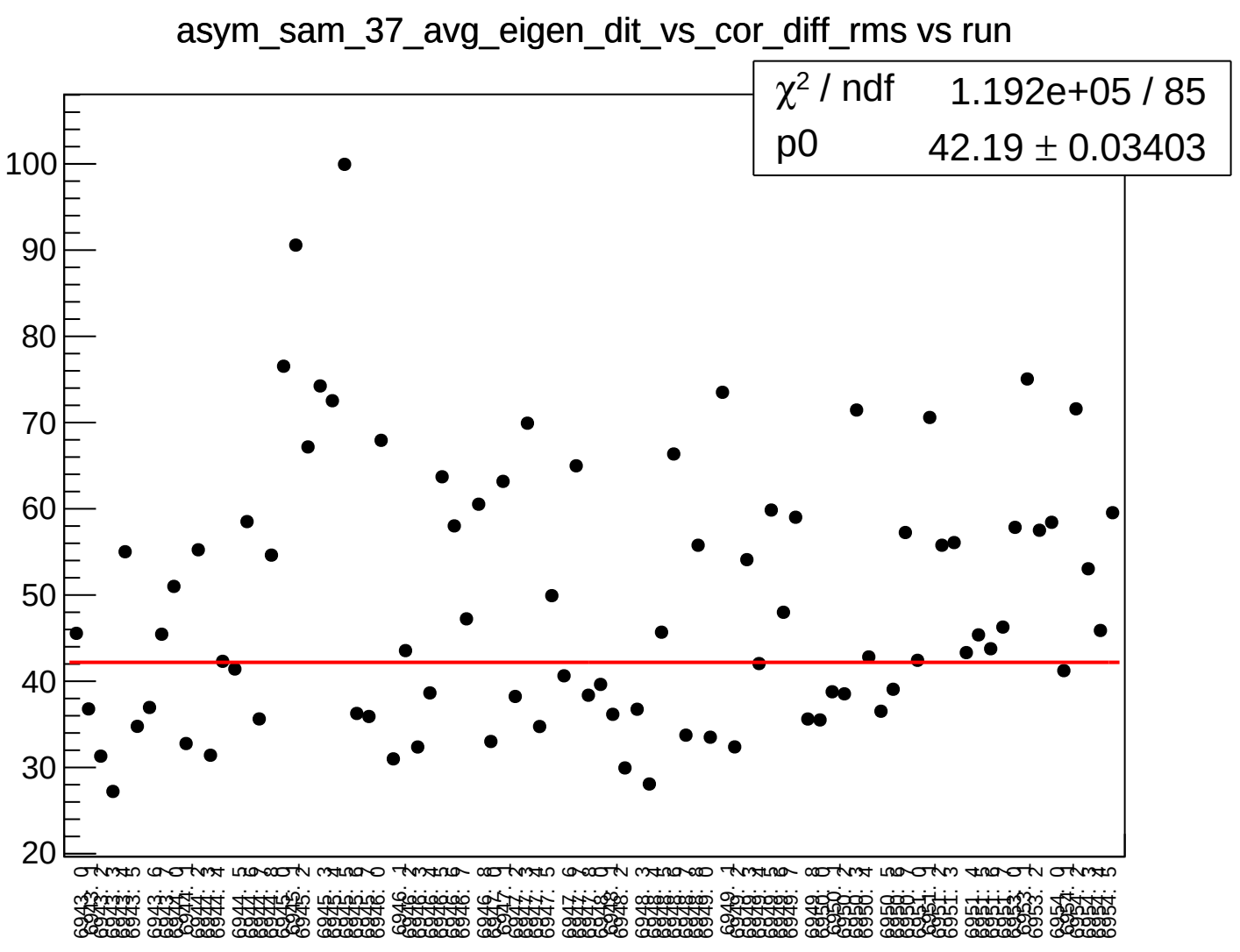

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.192e+05 / 85
p0 42.19 ± 0.03403
100
90
80
70
60
50
40
30
20

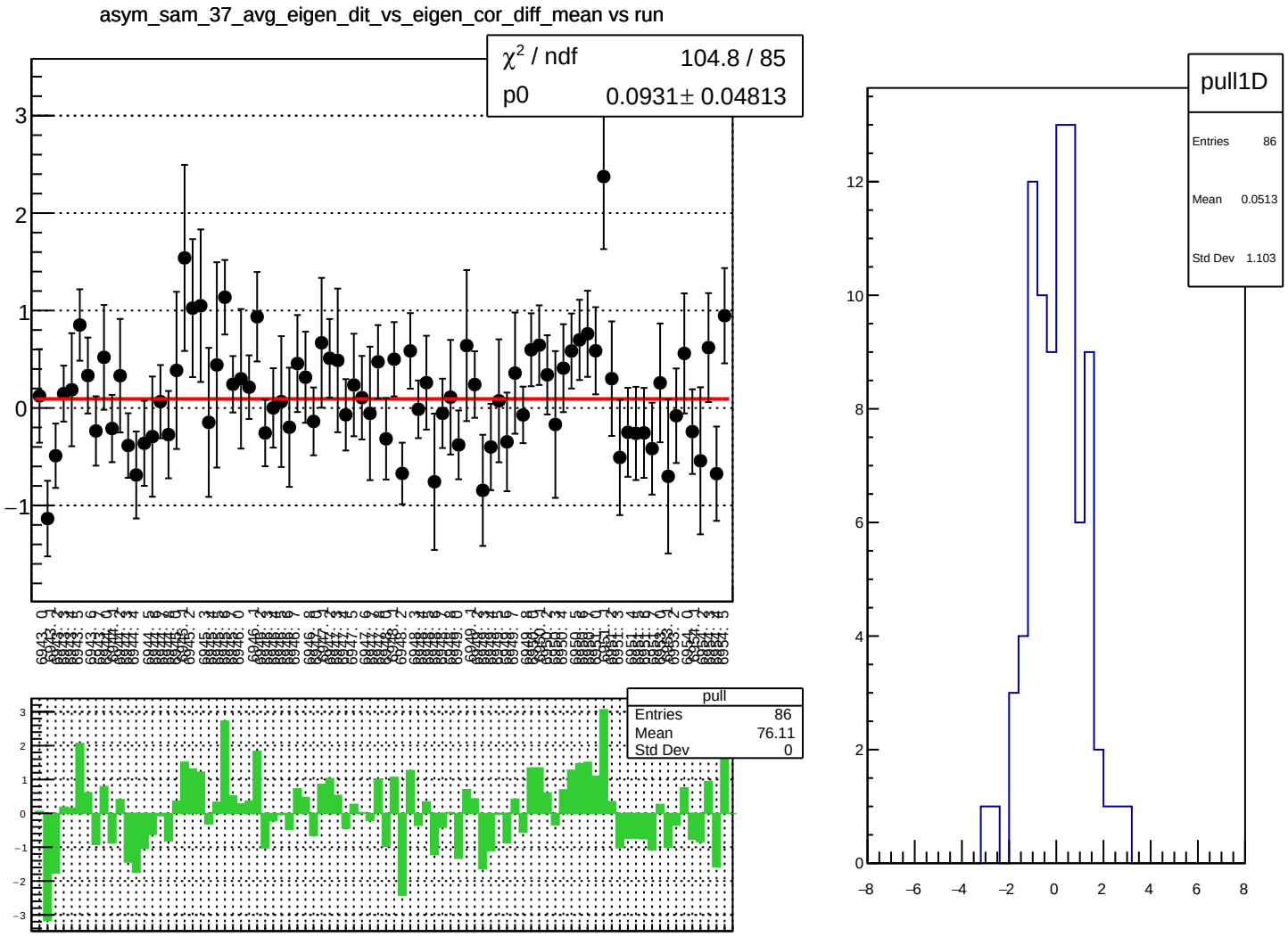

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.36 / 85
p0 7.763e−06 ± 3.181e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 208.9
Std Dev 0
2
1
0
−1
−2

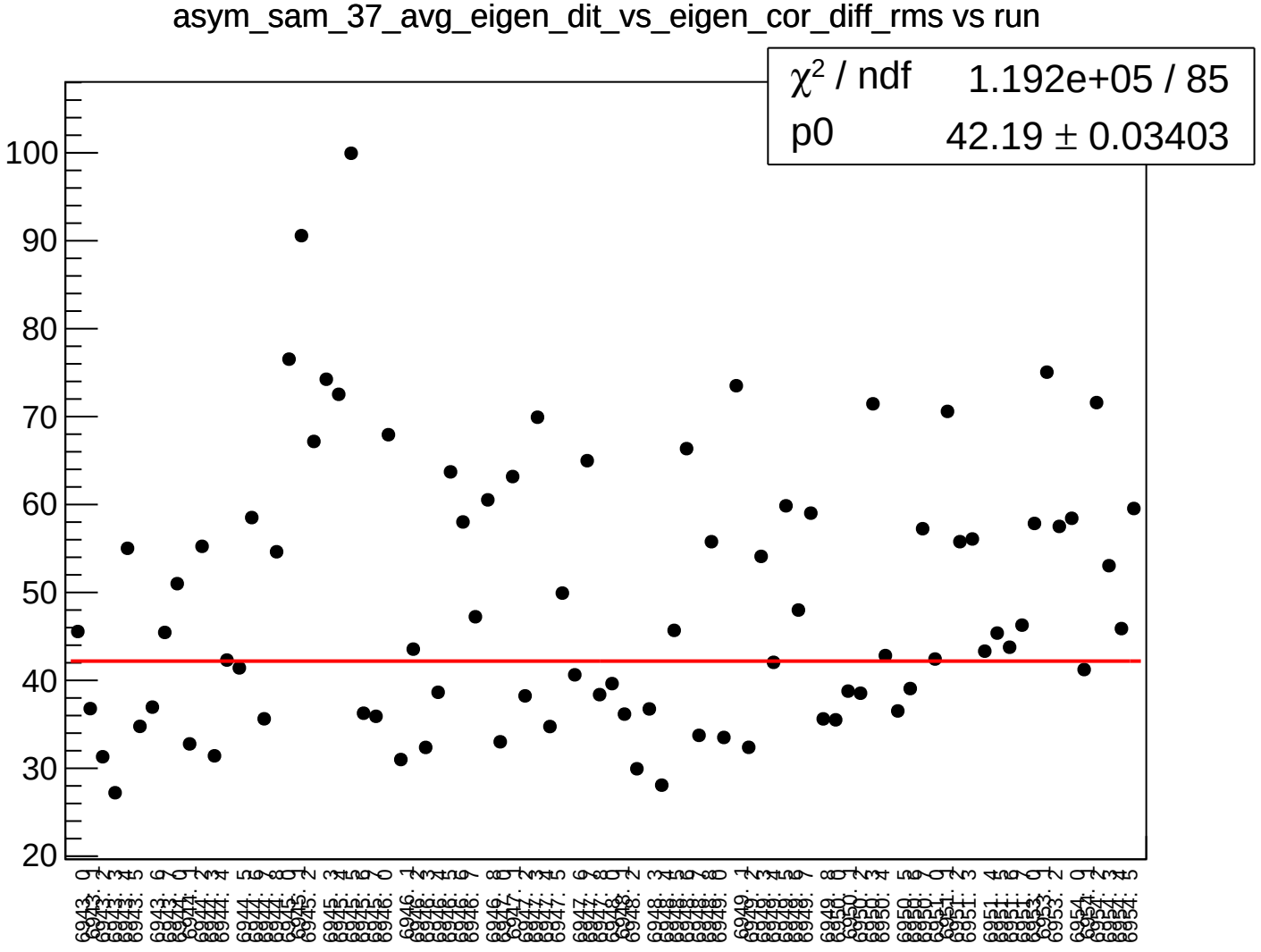

pull1D
Entries 86
Mean −0.01438
Std Dev 0.9844
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

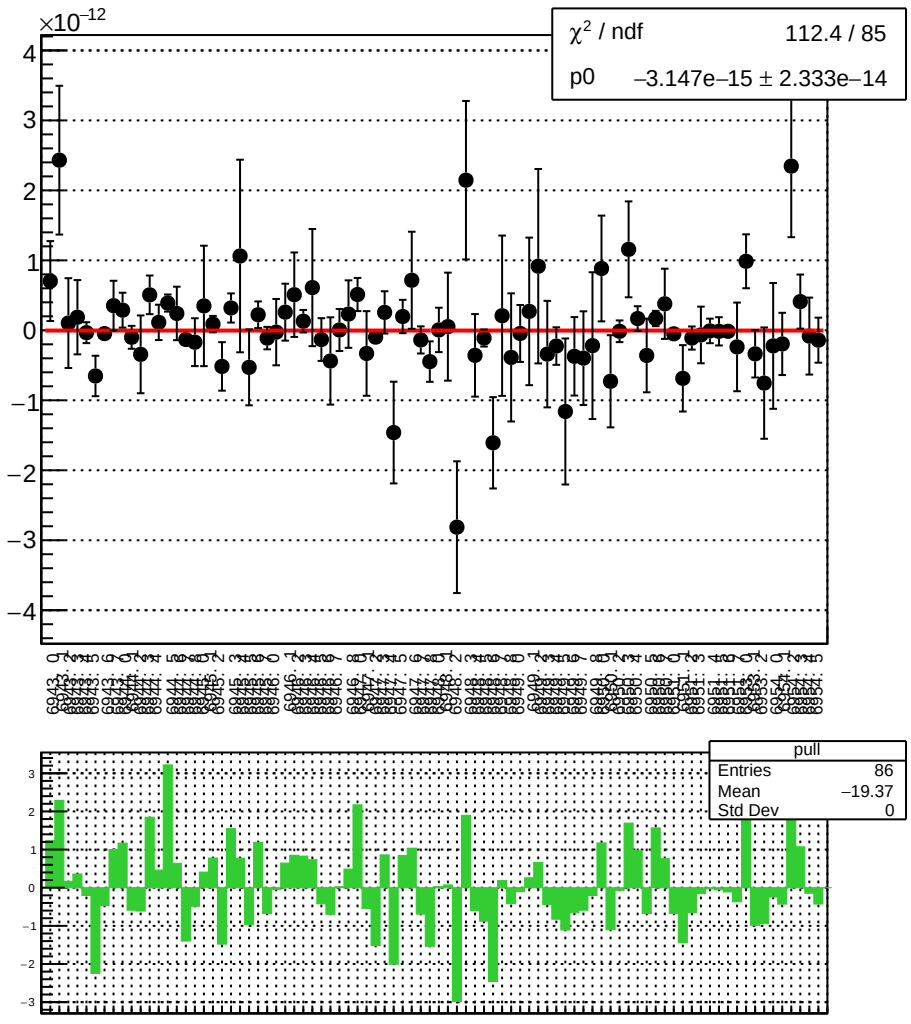

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8516 / 85
p0 0.002887 ± 2.249e−06
0.0034
0.0032
0.003
0.0028
0.0026

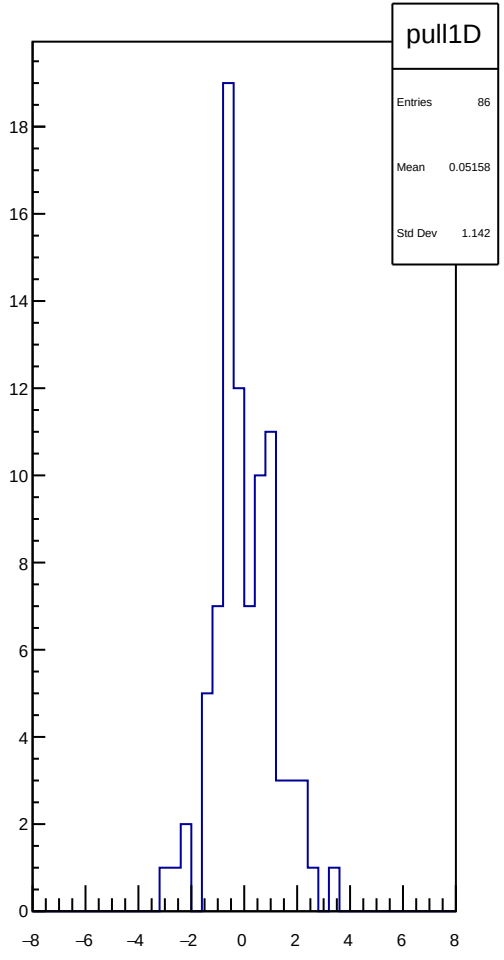

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.8 / 85
p0 0.0931± 0.04813
pull
Entries 86
Mean 76.11
Std Dev 0
pull1D
Entries 86
Mean 0.0513
Std Dev 1.103

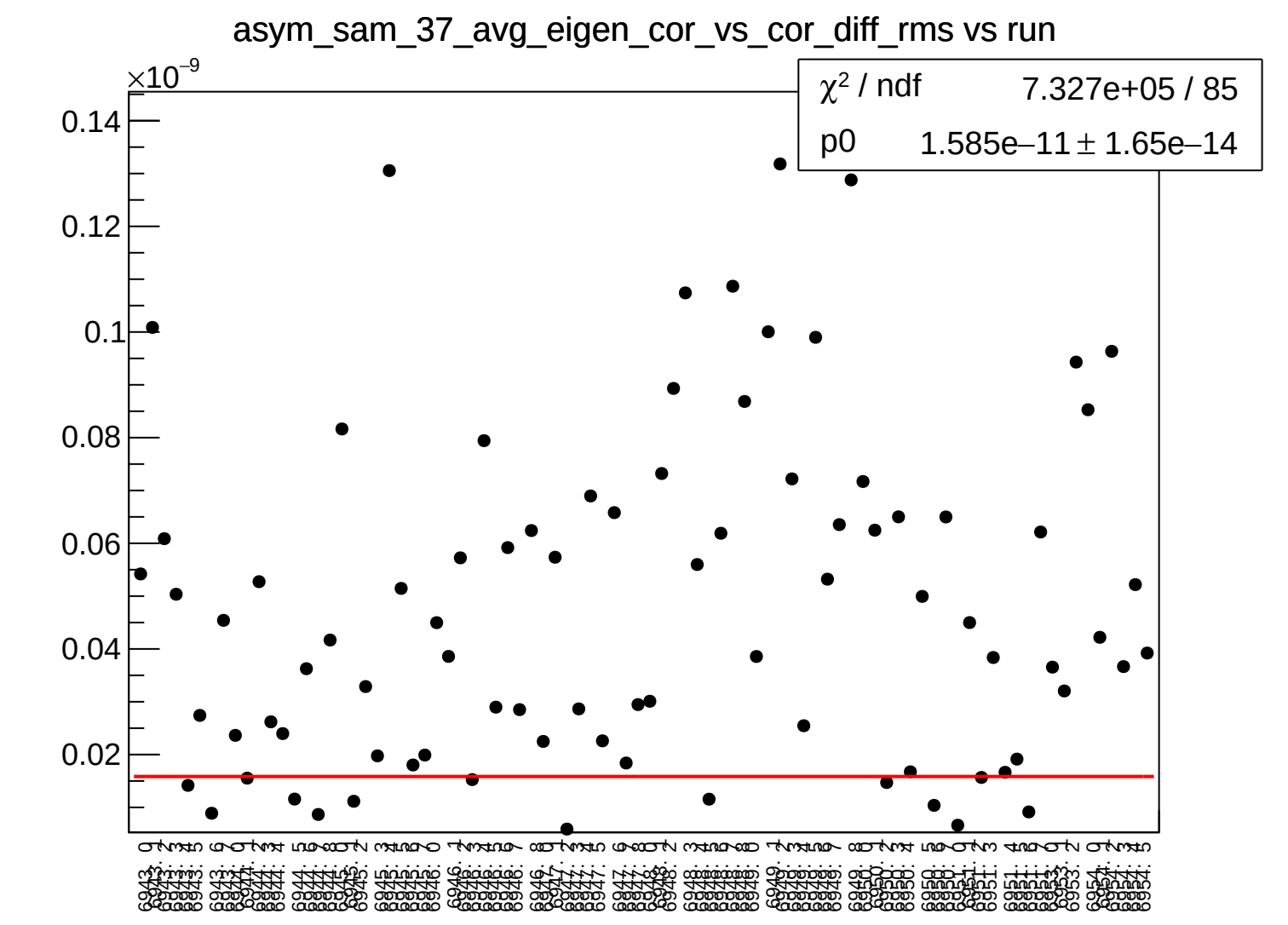

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.192e+05 / 85
p0 42.19 ± 0.03403
100
90
80
70
60
50
40
30
20

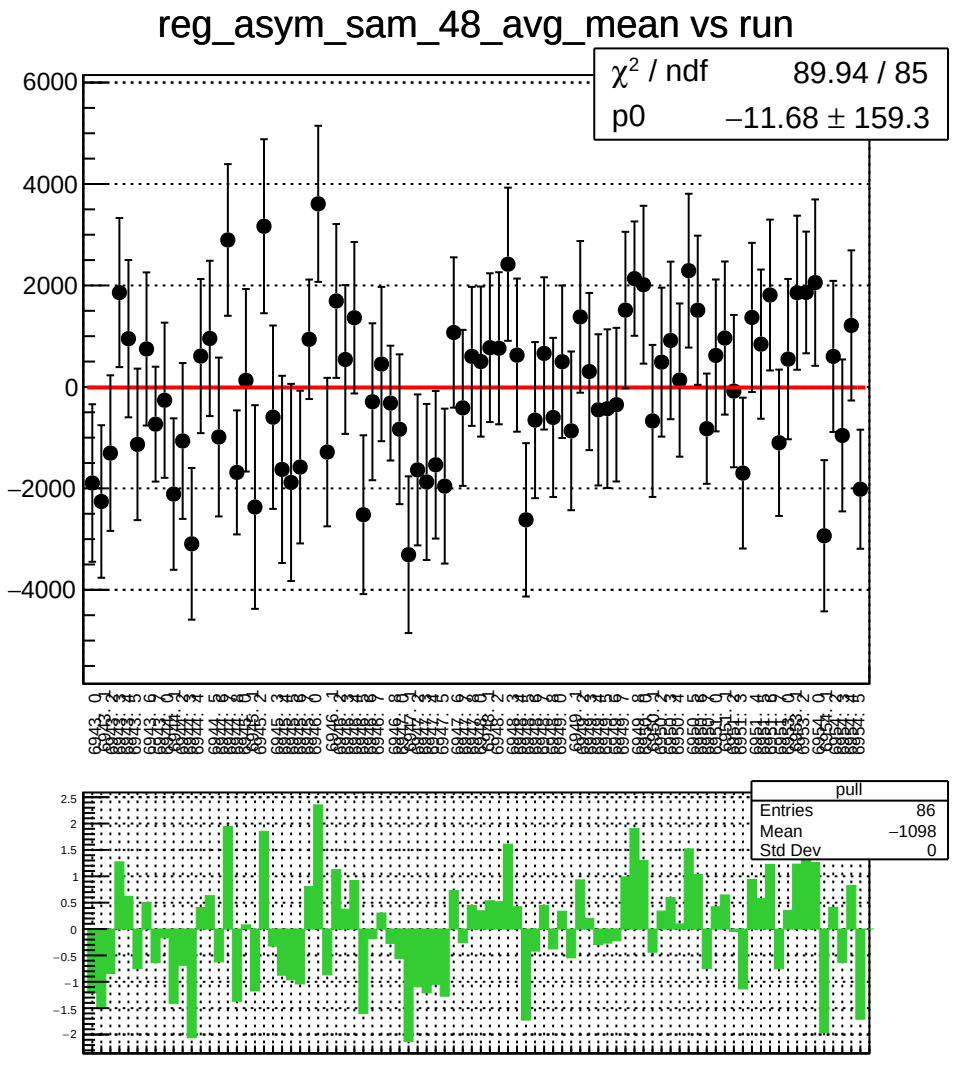

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.8 / 85
p0 0.0931± 0.04813
pull
Entries 86
Mean 76.11
Std Dev 0
pull1D
Entries 86
Mean 0.0513
Std Dev 1.103

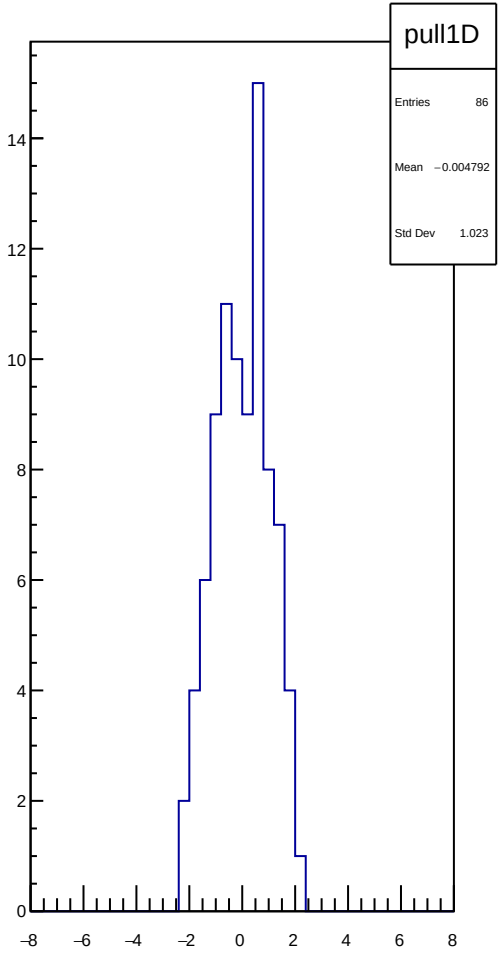

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.192e+05 / 85
p0 42.19 ± 0.03403
100
90
80
70
60
50
40
30
20

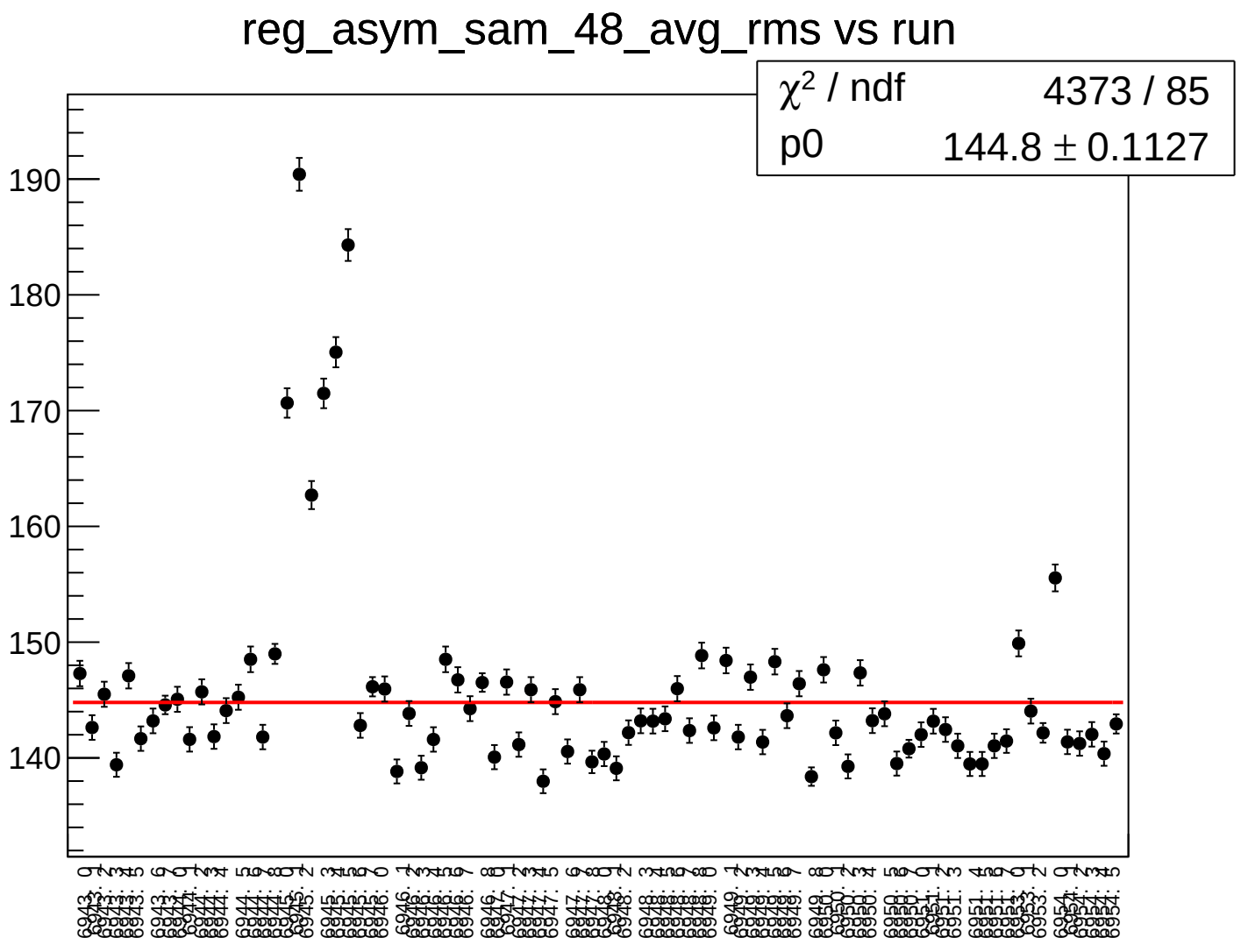

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 112.4 / 85
p0 −3.147e−15 ± 2.333e−14
pull
Entries 86
Mean −19.37
Std Dev 0

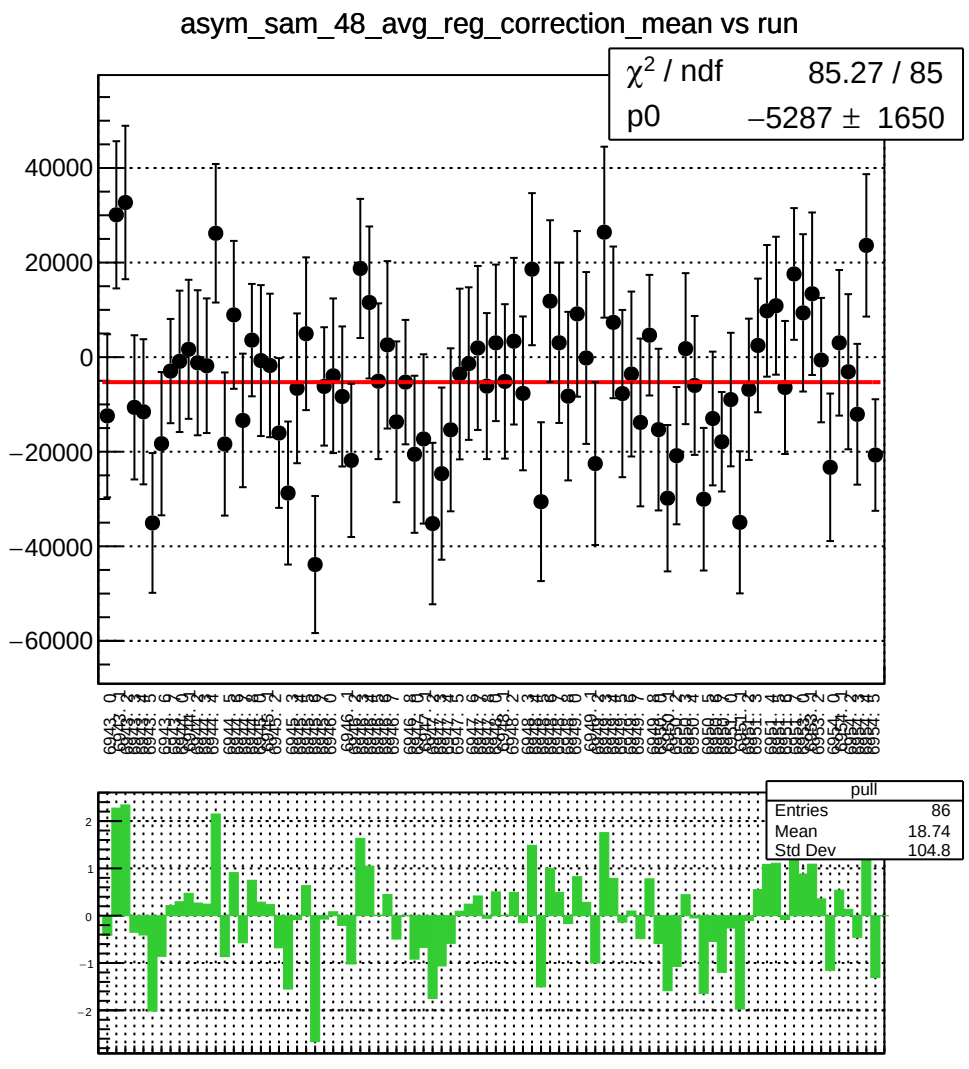

pull1D
Entries 86
Mean 0.05158
Std Dev 1.142

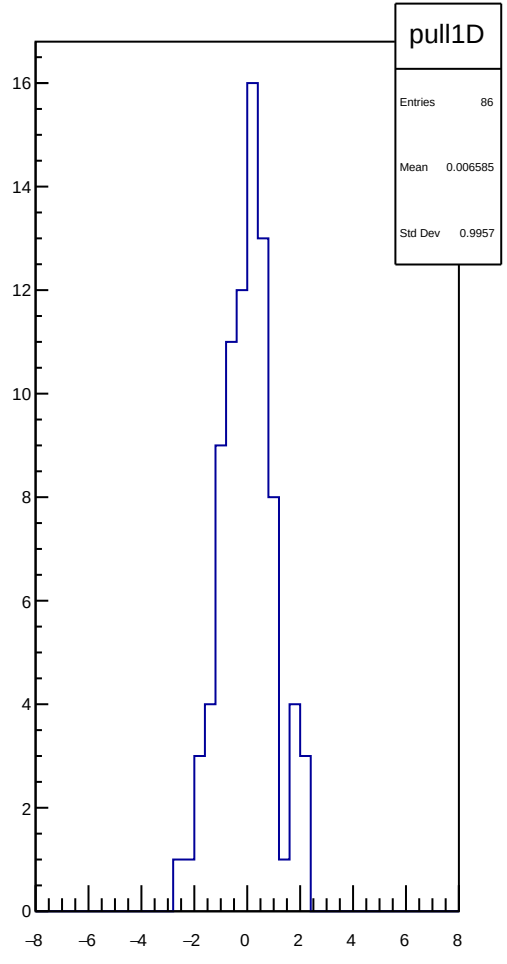

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.327e+05 / 85
p0 1.585e−11 ± 1.65e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

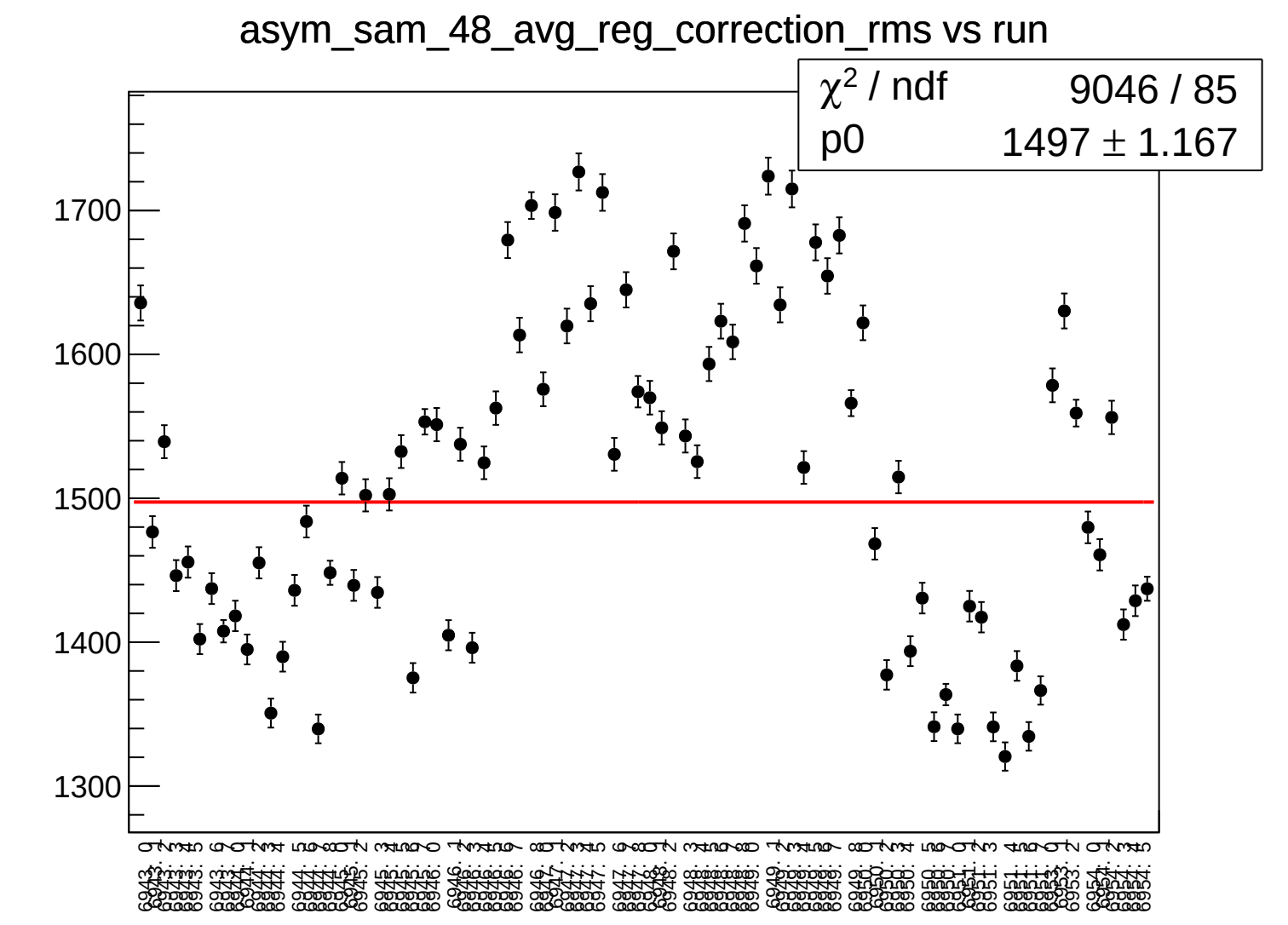

reg_asym_sam_48_avg_mean vs run
χ² / ndf 89.94 / 85
p0 −11.68 ± 159.3
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −1098
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

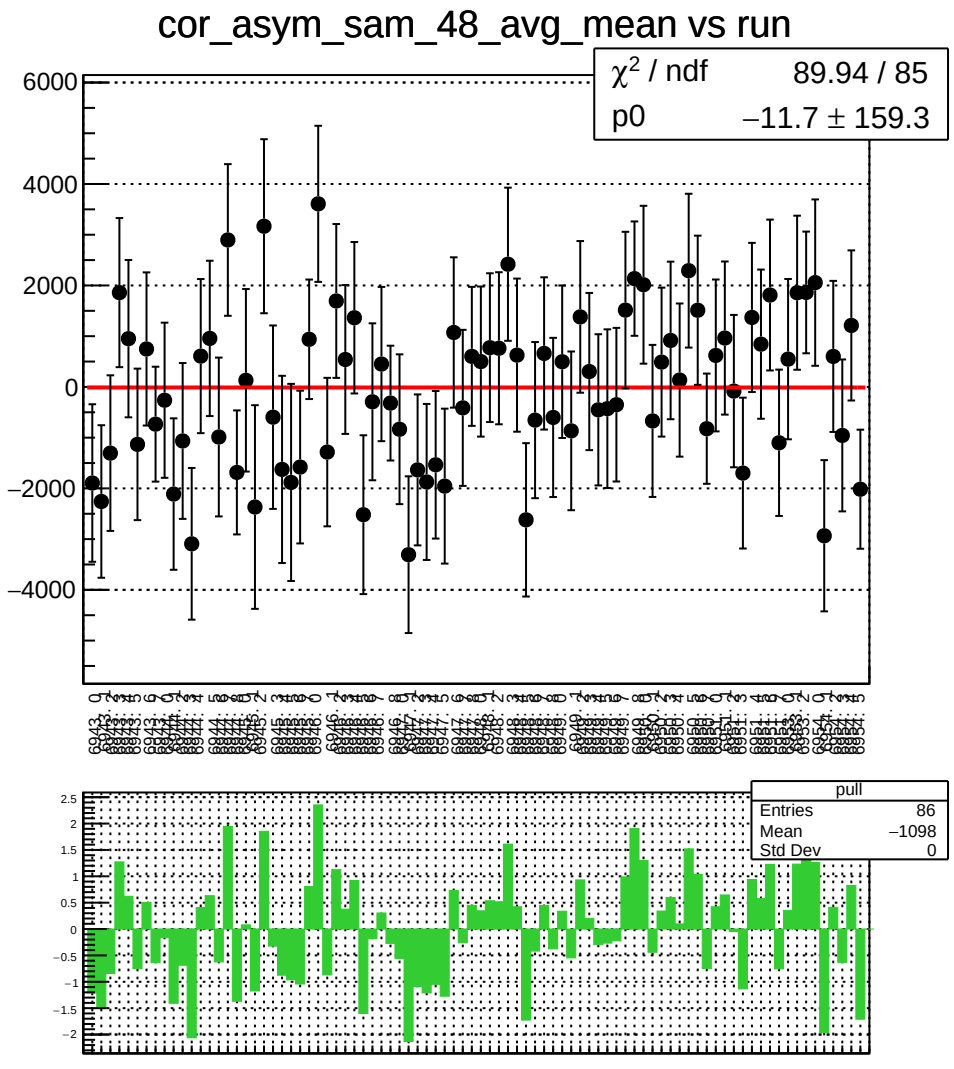

pull1D
Entries 86
Mean −0.004792
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

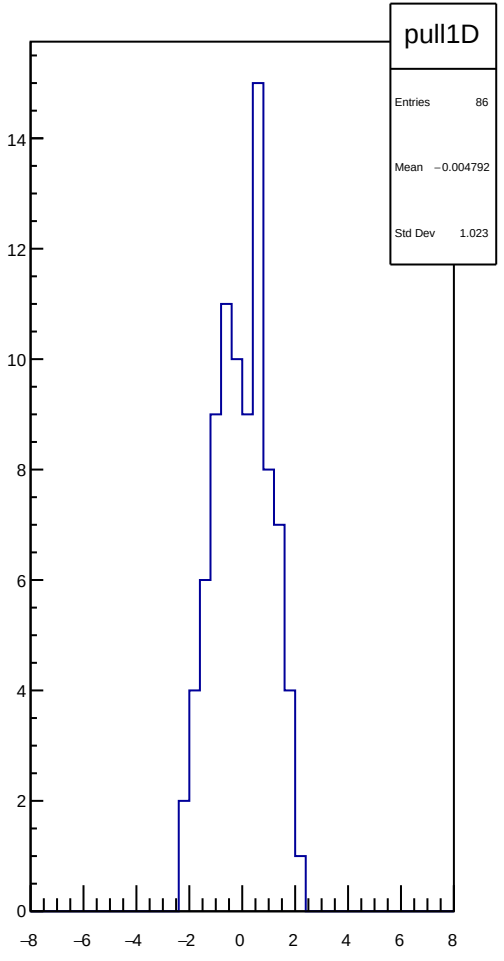

reg_asym_sam_48_avg_rms vs run
χ² / ndf 4373 / 85
p0 144.8 ± 0.1127
190
180
170
160
150
140

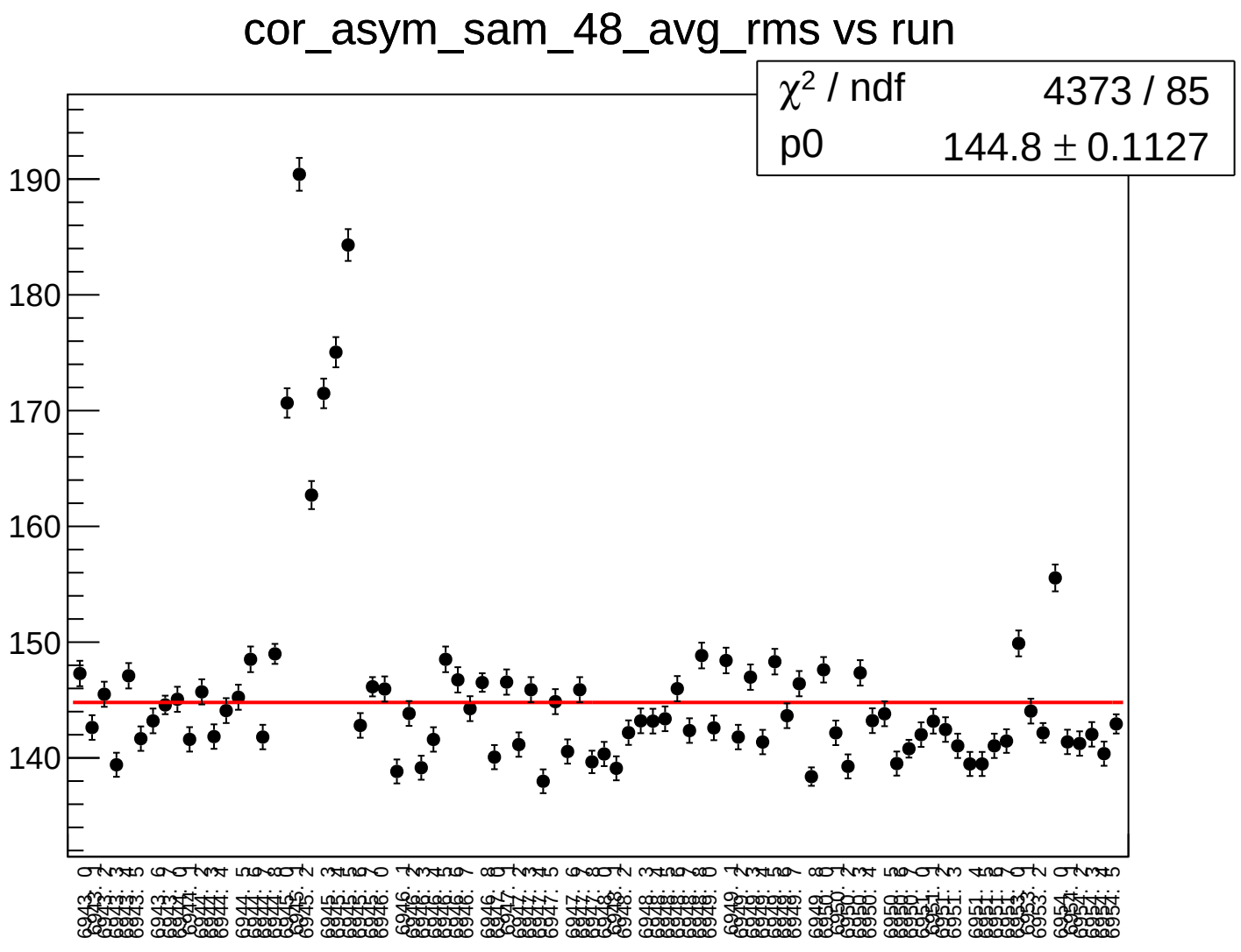

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −5287 ± 1650
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 18.74
Std Dev 104.8
2
1
0
−1
−2

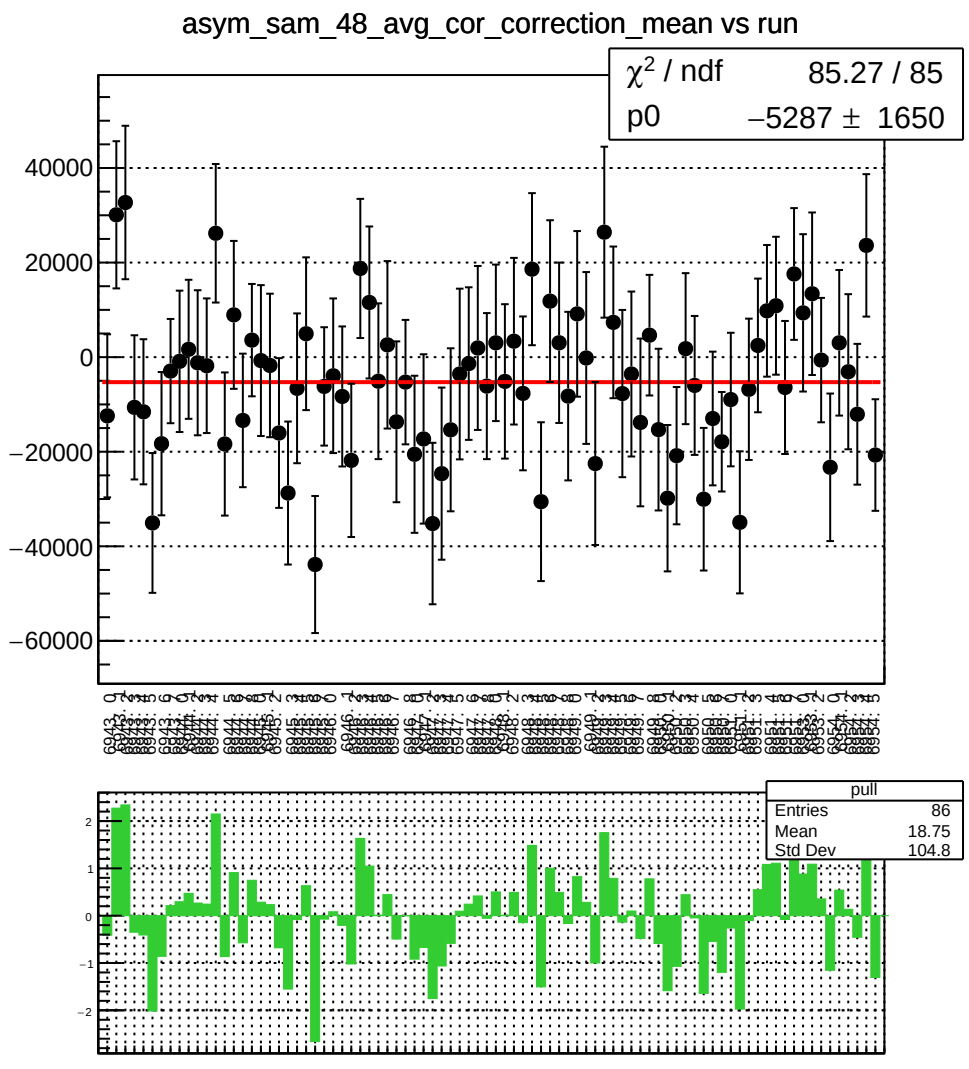

pull1D
Entries 86
Mean 0.006585
Std Dev 0.9957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

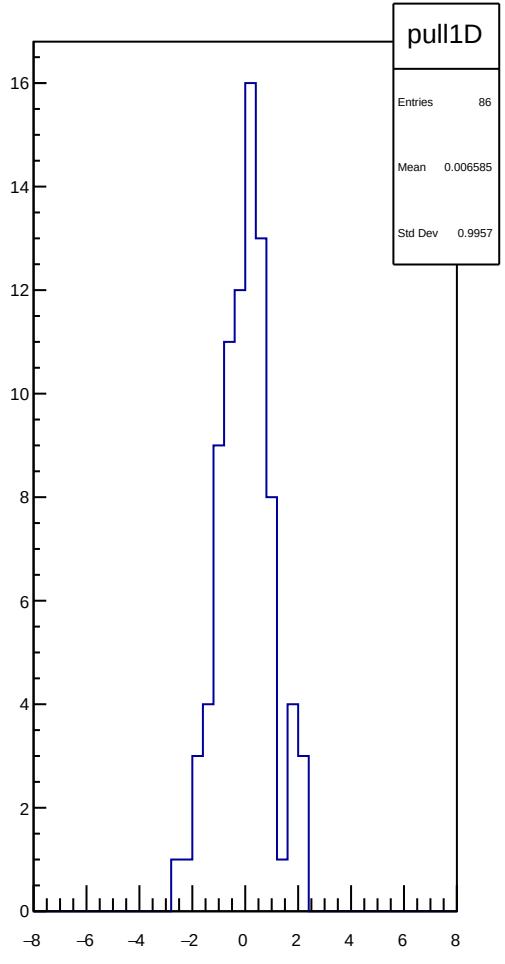

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 9046 / 85
p0 1497 ± 1.167
1700
1600
1500
1400
1300

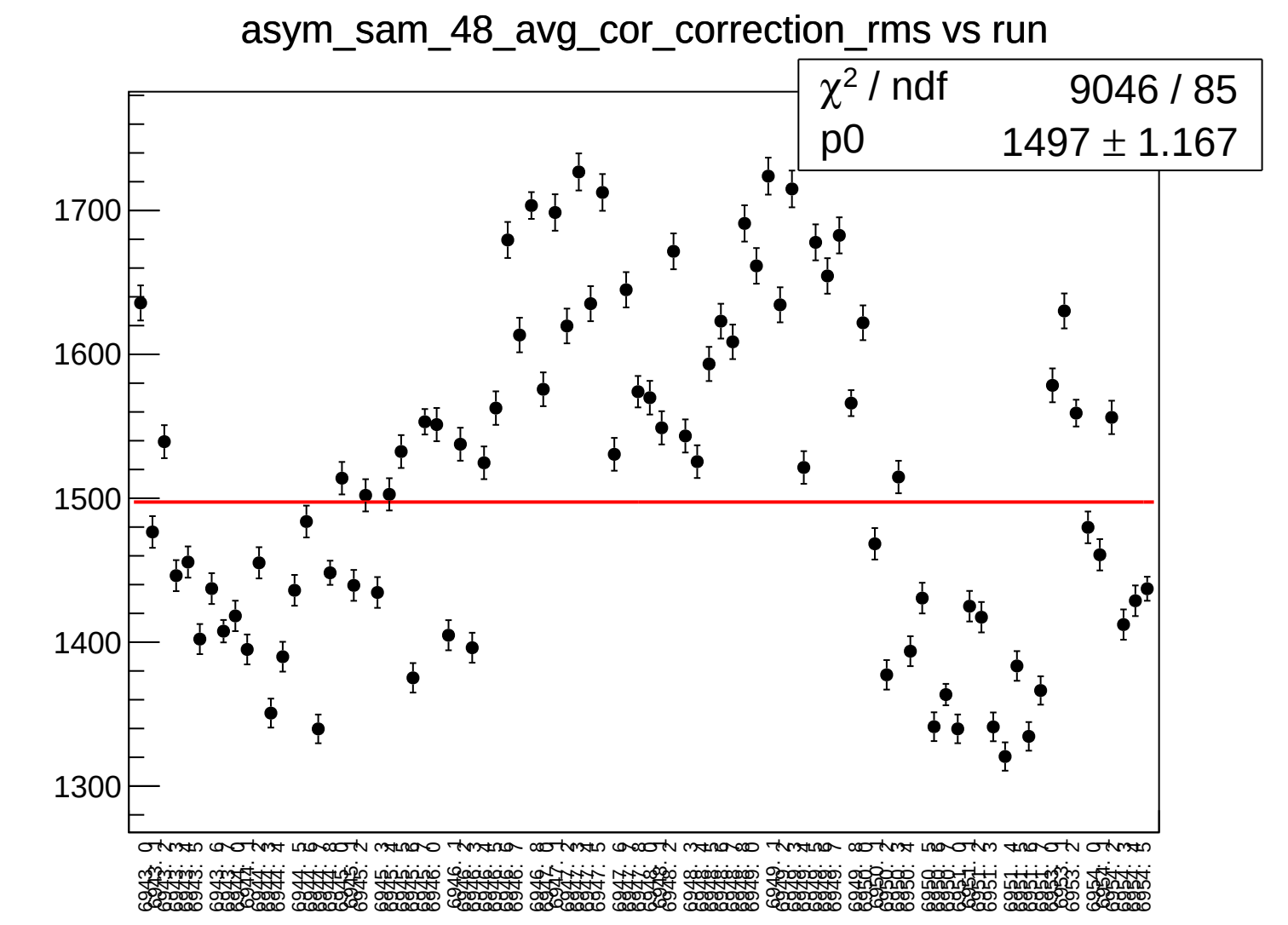

cor_asym_sam_48_avg_mean vs run
χ² / ndf 89.94 / 85
p0 −11.7 ± 159.3
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −1098
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

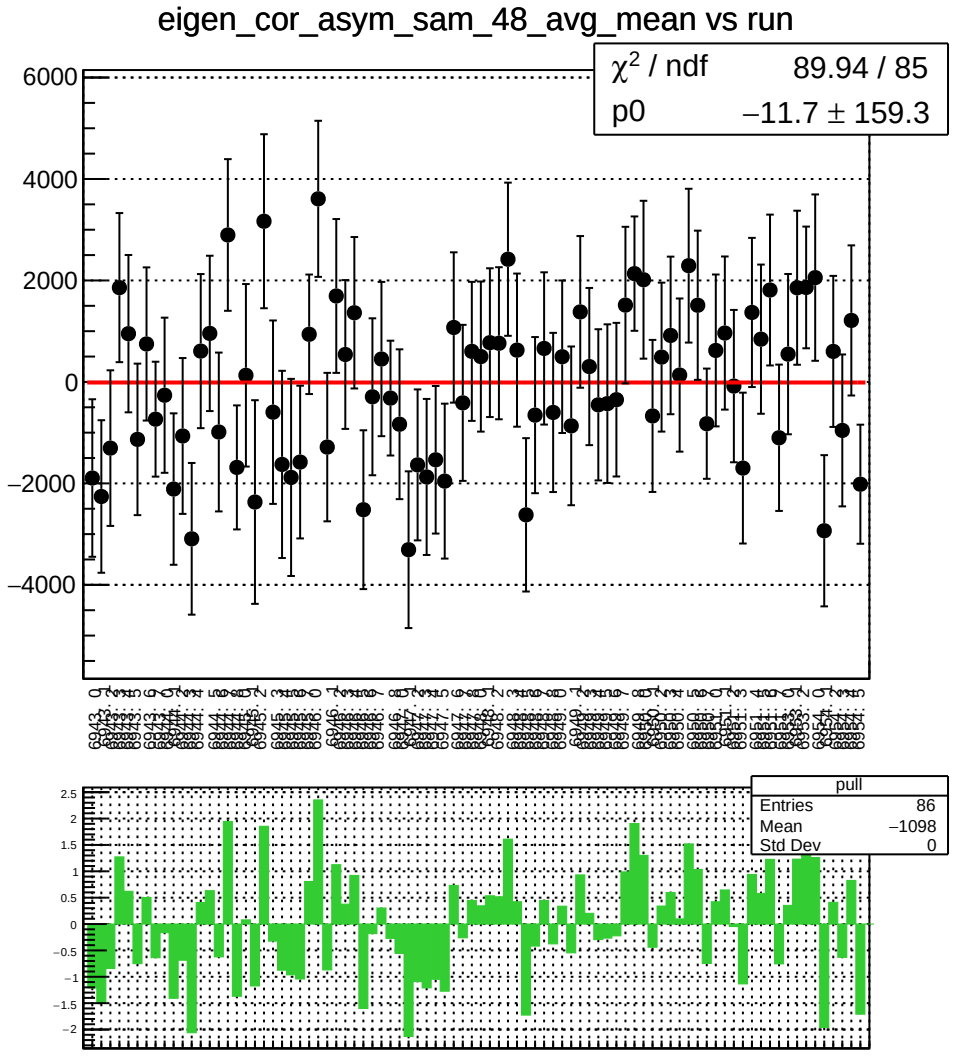

pull1D
Entries 86
Mean −0.004792
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

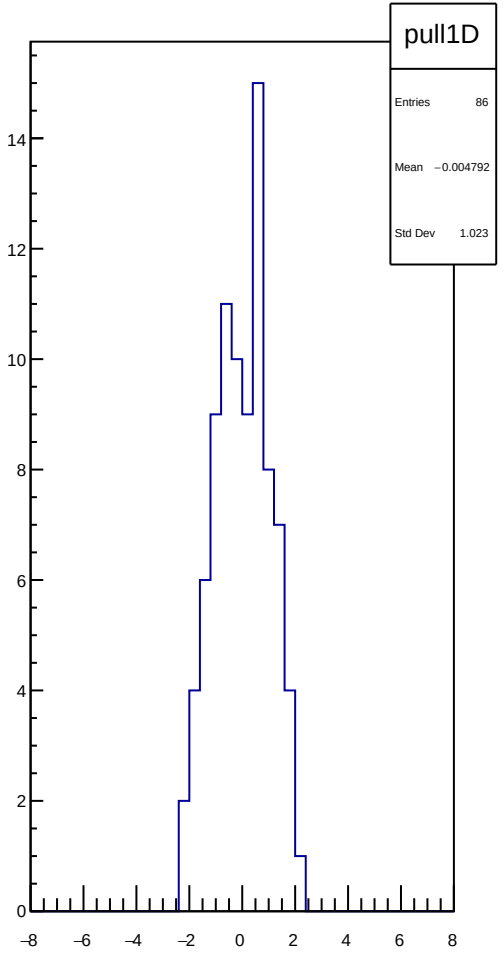

cor_asym_sam_48_avg_rms vs run
χ² / ndf 4373 / 85
p0 144.8 ± 0.1127
190
180
170
160
150
140

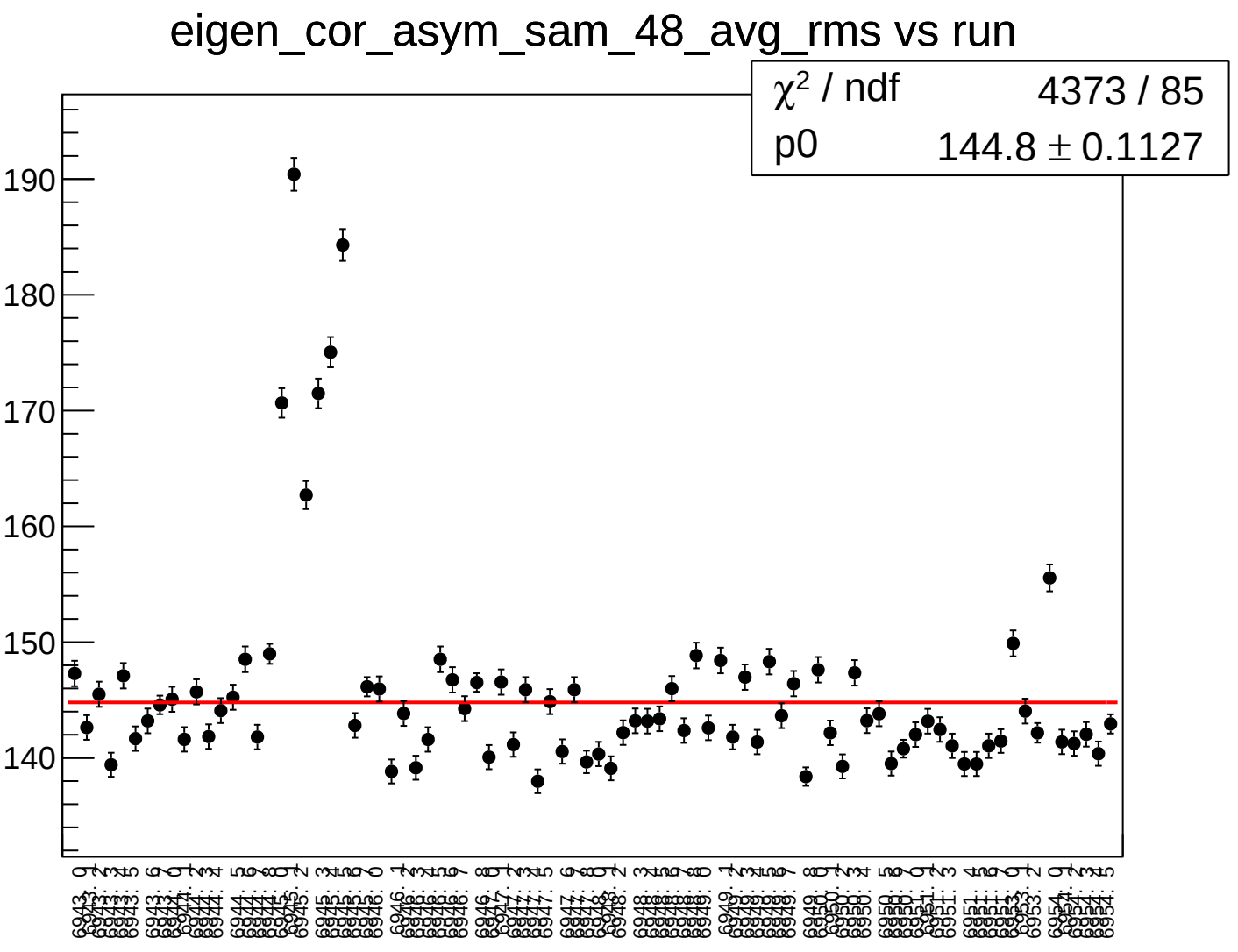

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −5287 ± 1650
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 18.75
Std Dev 104.8
2
1
0
−1
−2

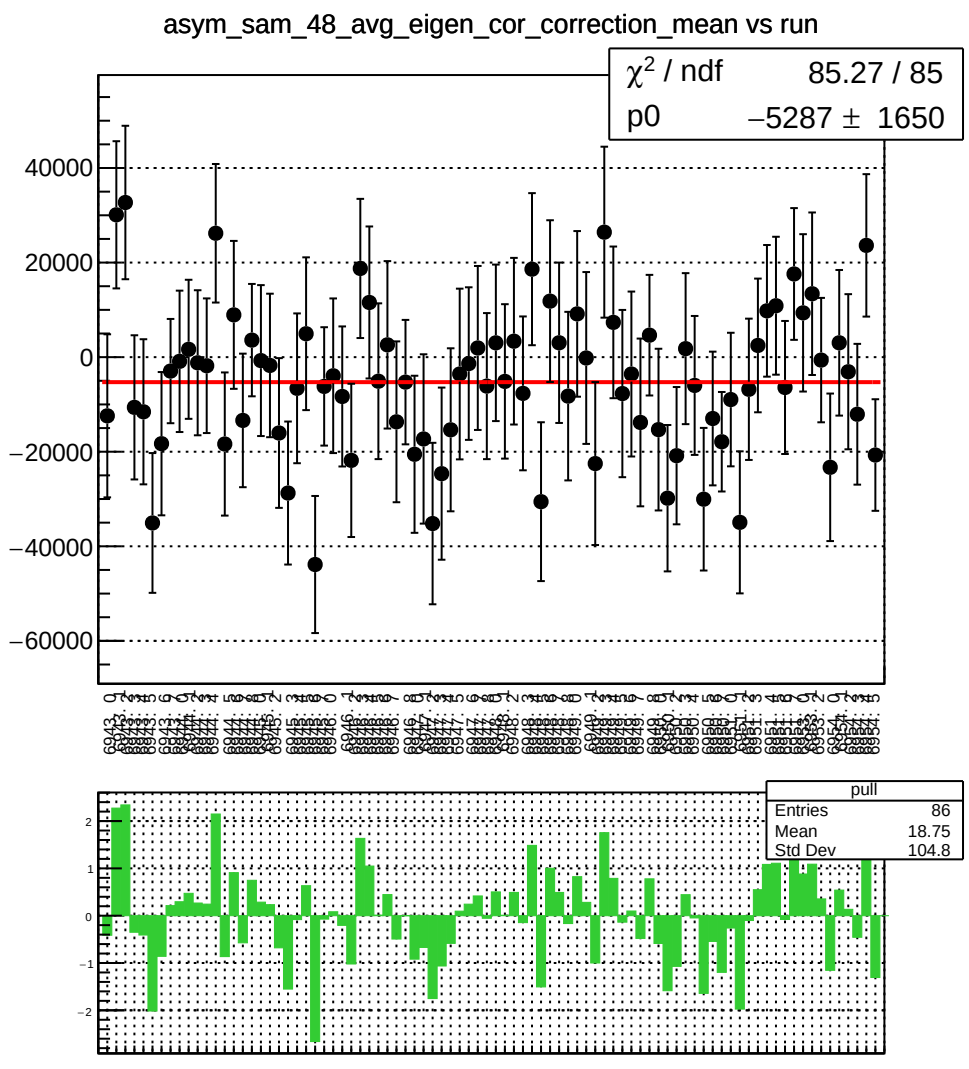

pull1D
Entries 86
Mean 0.006585
Std Dev 0.9957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

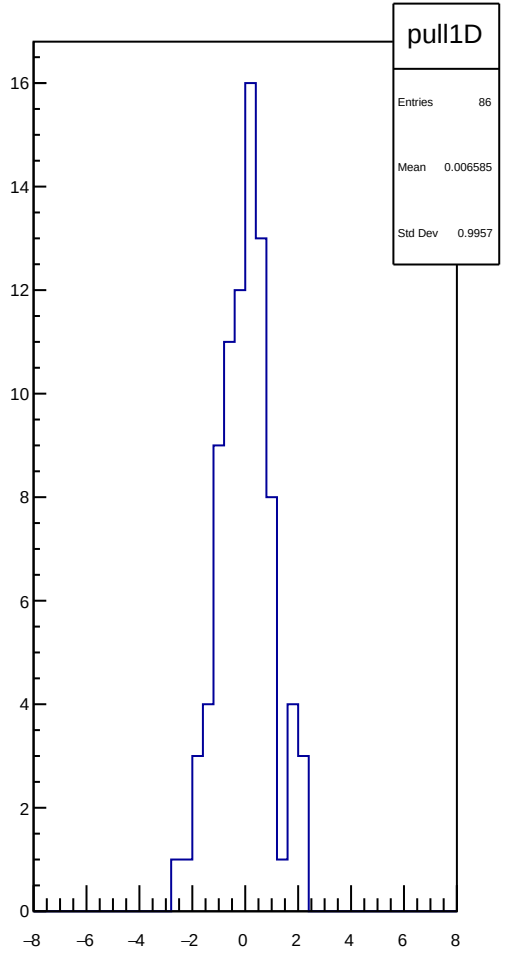

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 9046 / 85
p0 1497 ± 1.167
1700
1600
1500
1400
1300

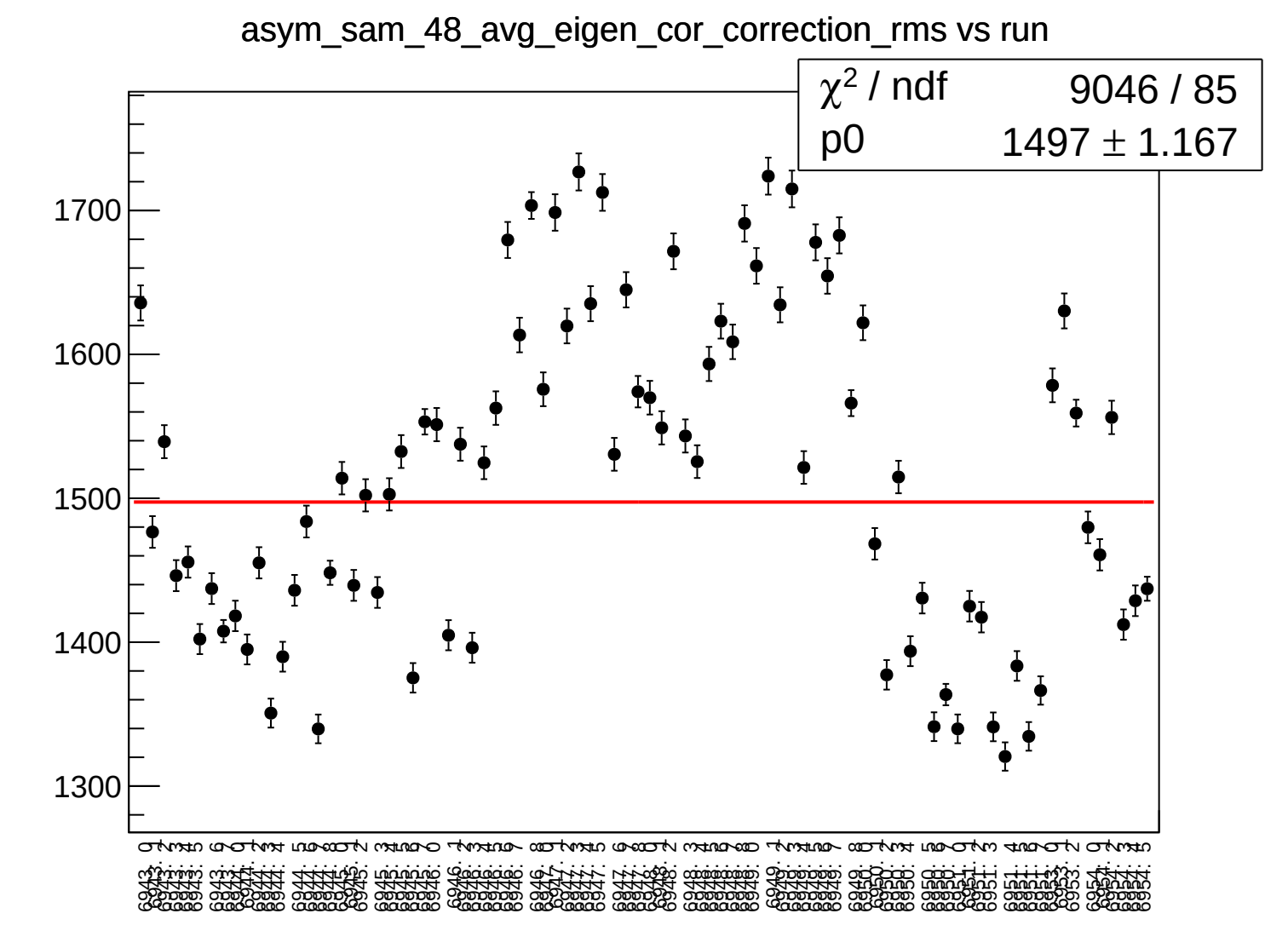

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 89.94 / 85
p0 −11.7 ± 159.3
pull
Entries 86
Mean −1098
Std Dev 0

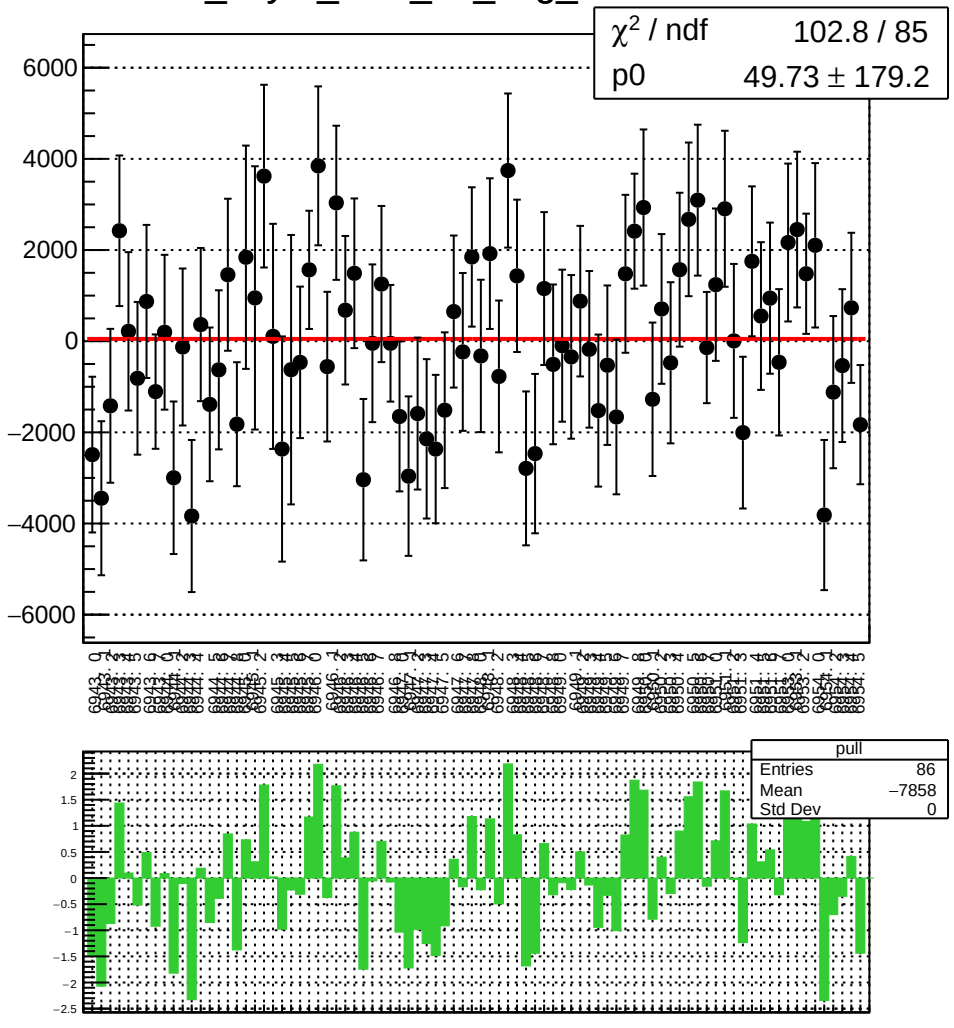

pull1D
Entries 86
Mean −0.004792
Std Dev 1.023

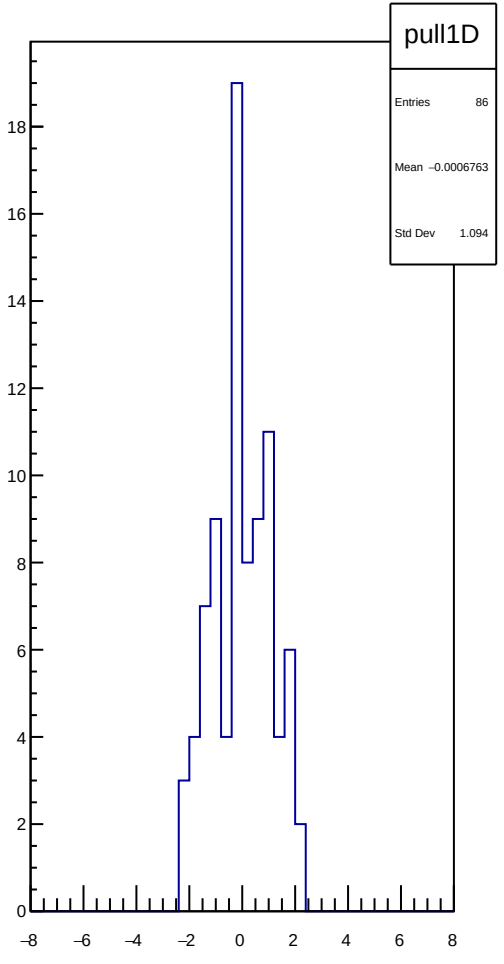

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 4373 / 85
p0 144.8 ± 0.1127
190
180
170
160
150
140

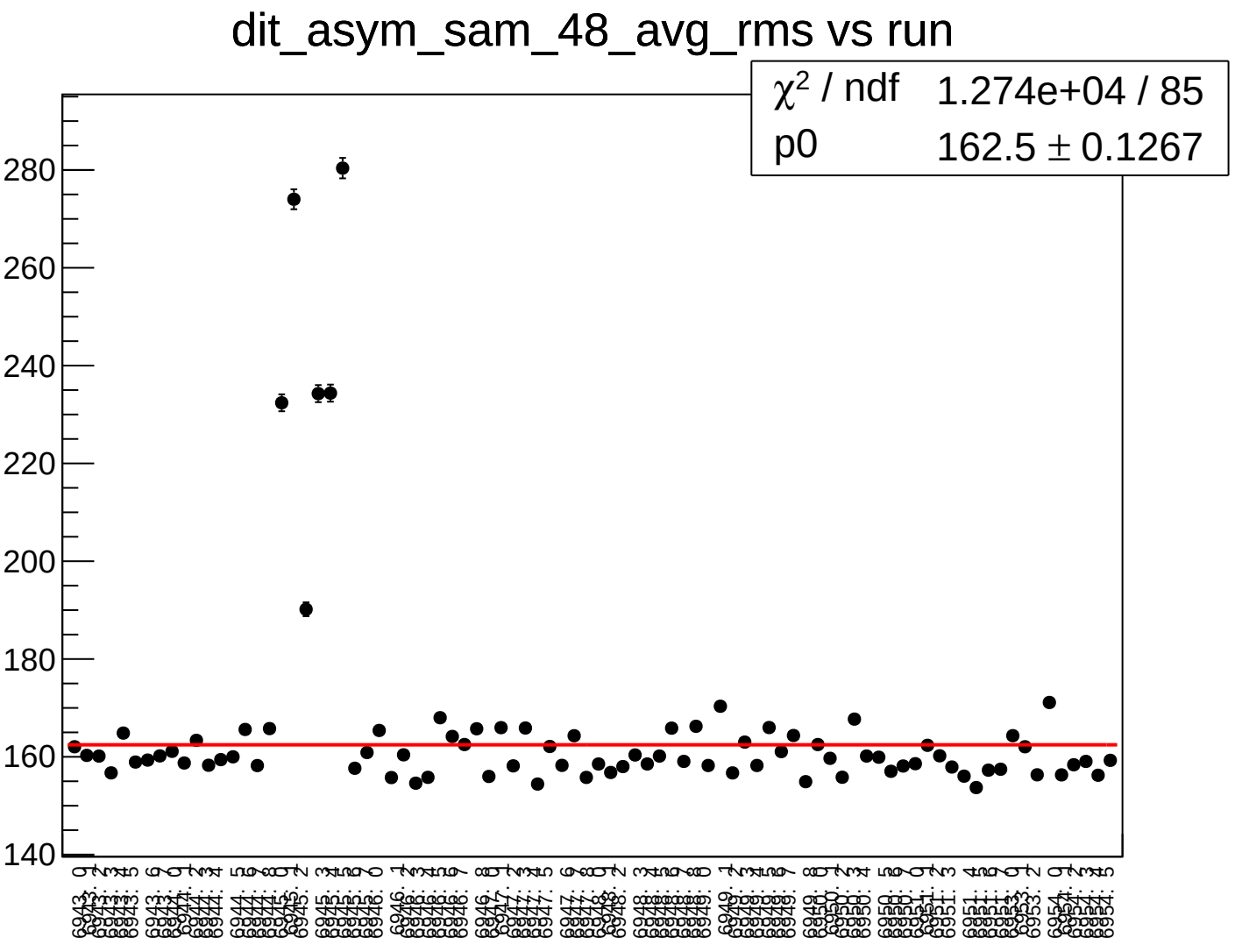

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −5287 ± 1650
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 18.75
Std Dev 104.8
2
1
0
−1
−2

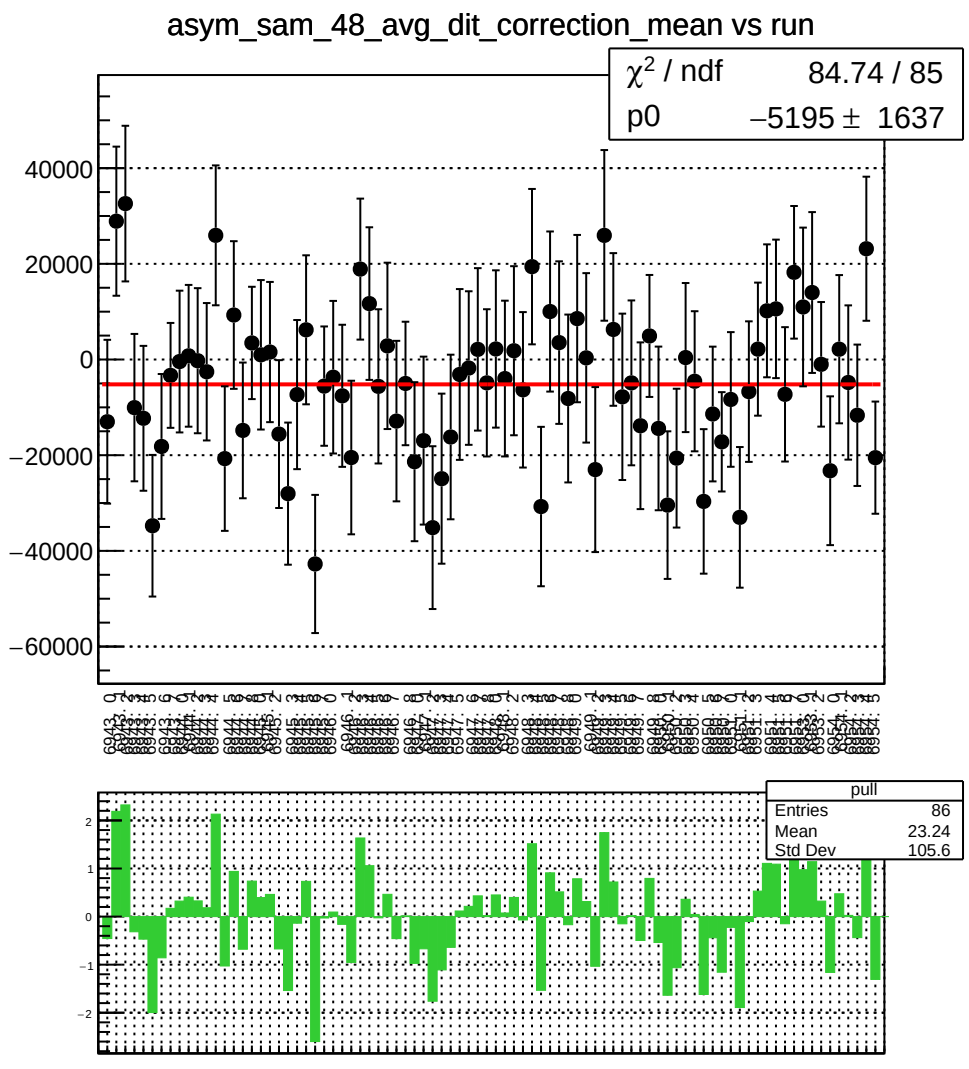

pull1D
Entries 86
Mean 0.006585
Std Dev 0.9957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

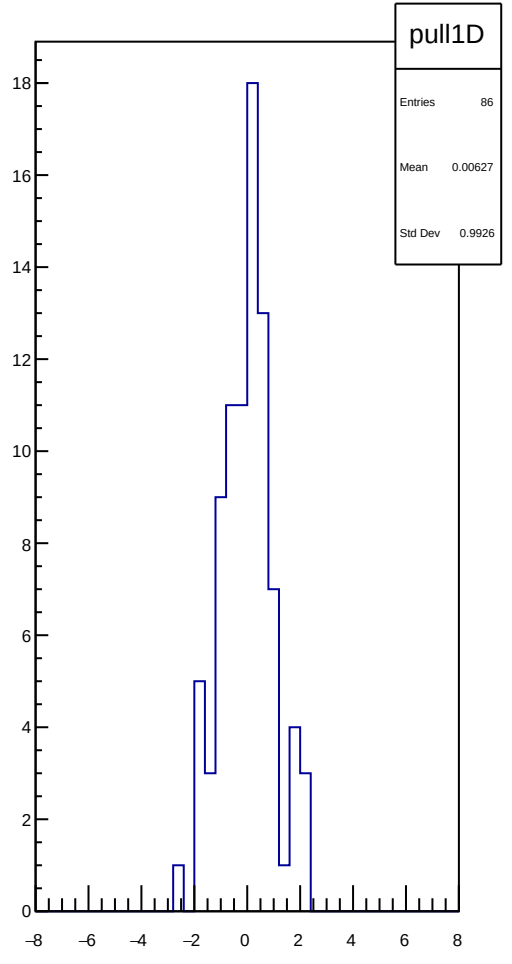

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 9046 / 85
p0 1497 ± 1.167
1700
1600
1500
1400
1300

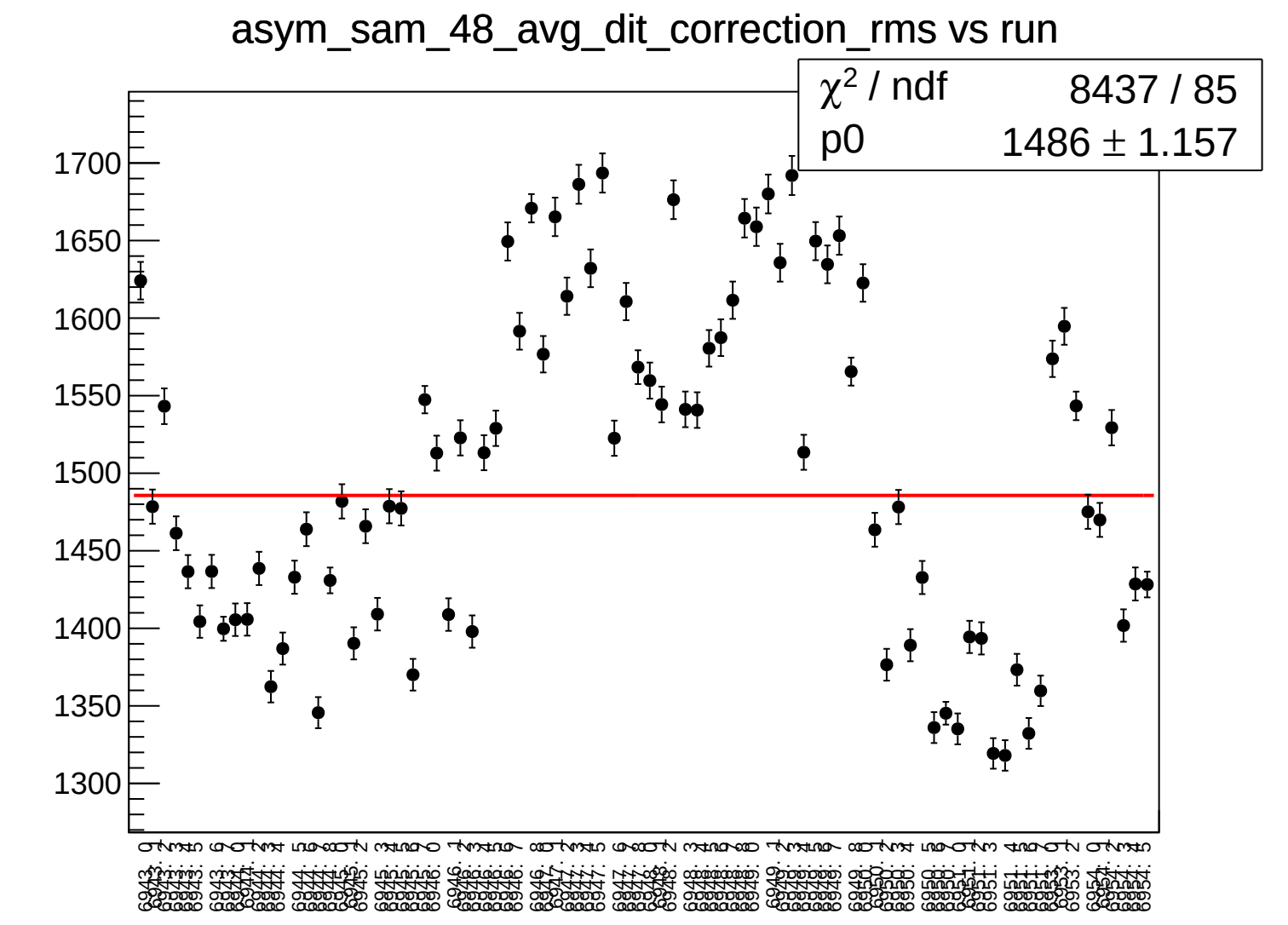

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 102.8 / 85
p0 49.73 ± 179.2
pull
Entries 86
Mean −7858
Std Dev 0

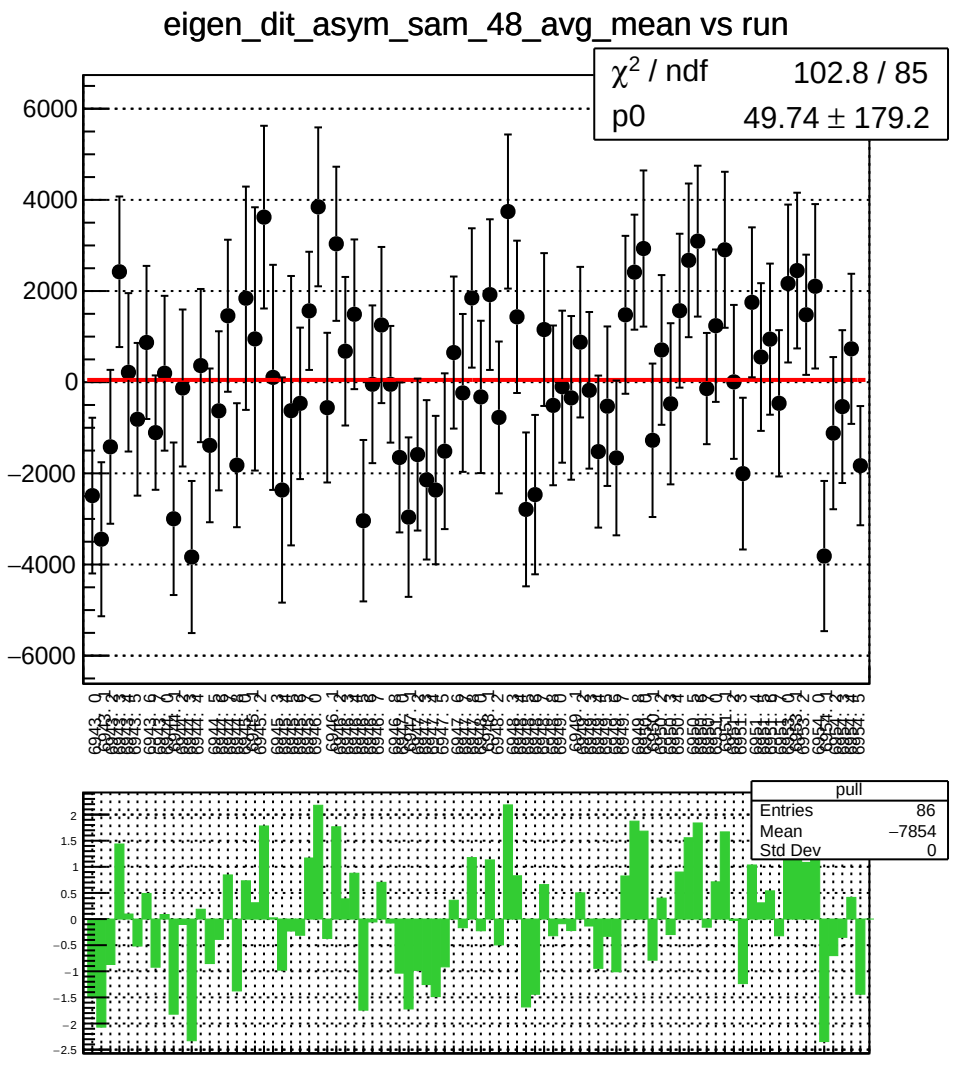

pull1D
Entries 86
Mean −0.0006763
Std Dev 1.094

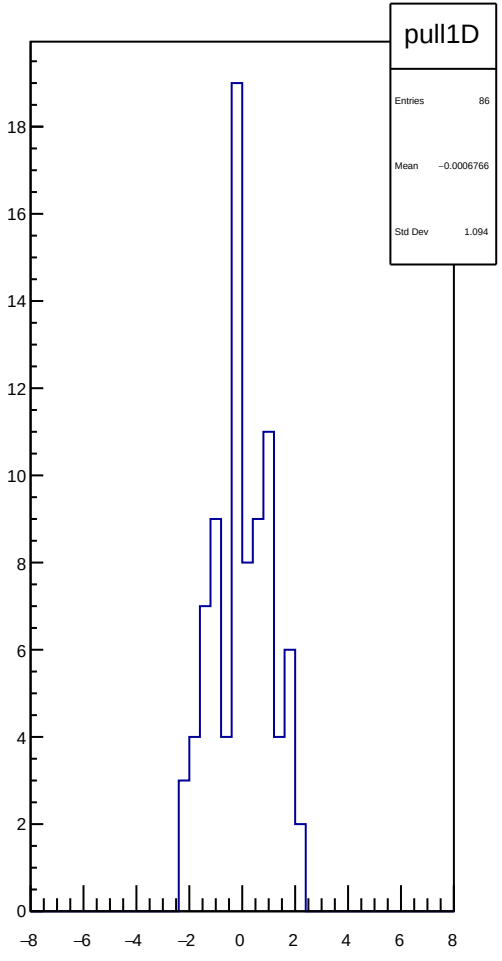

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.274e+04 / 85
p0 162.5 ± 0.1267
280
260
240
220
200
180
160
140

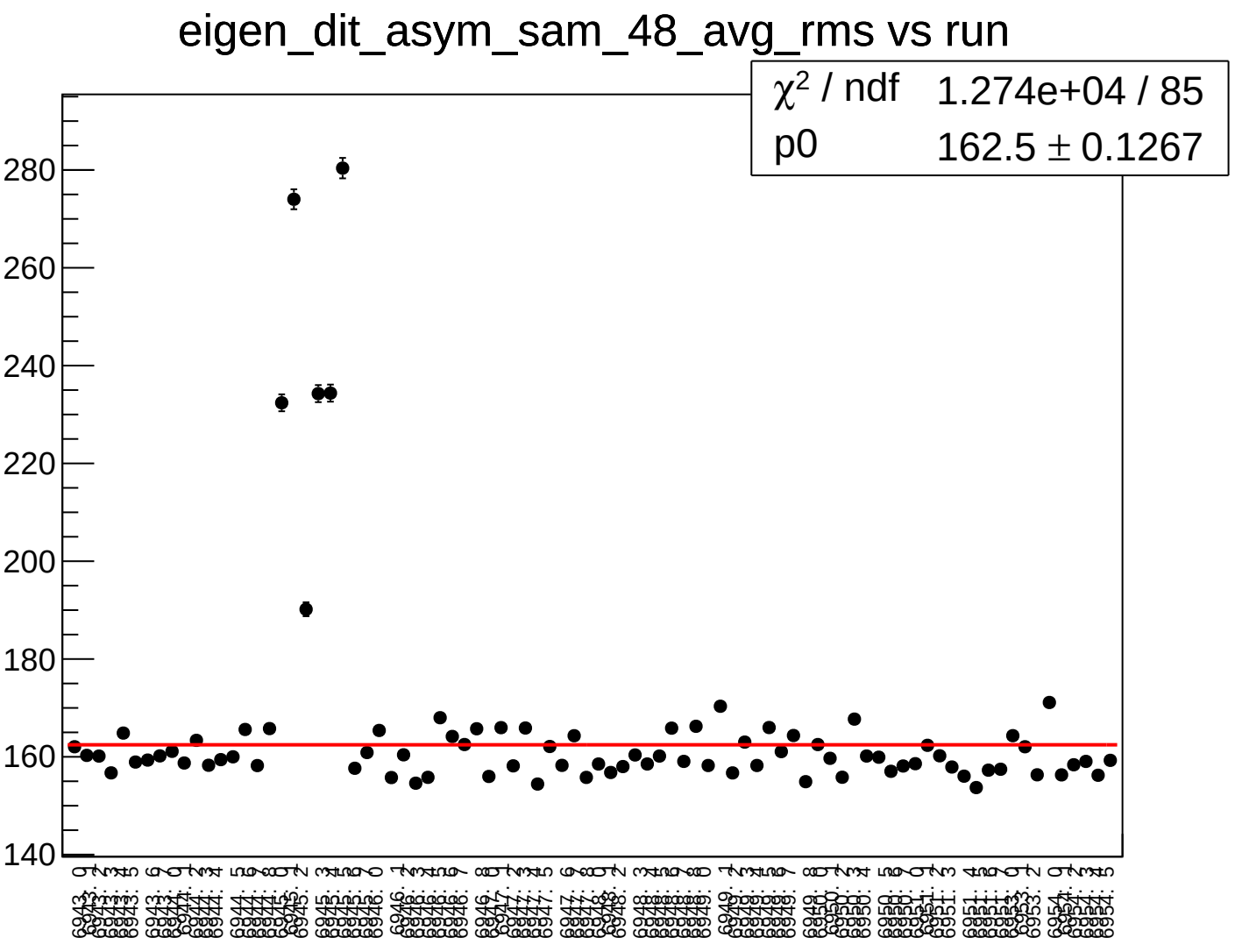

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 84.74 / 85
p0 −5195 ± 1637
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 23.24
Std Dev 105.6
2
1
0
−1
−2

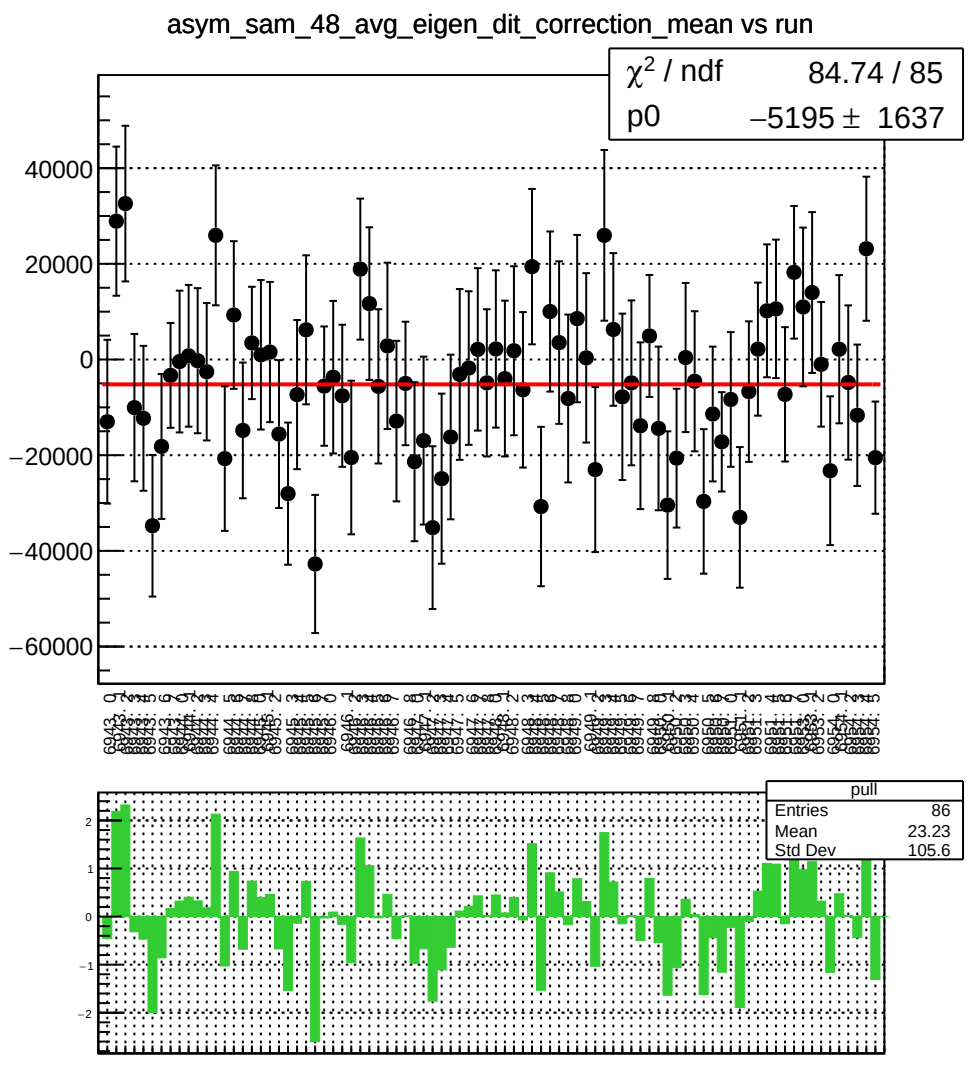

pull1D
Entries 86
Mean 0.00627
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

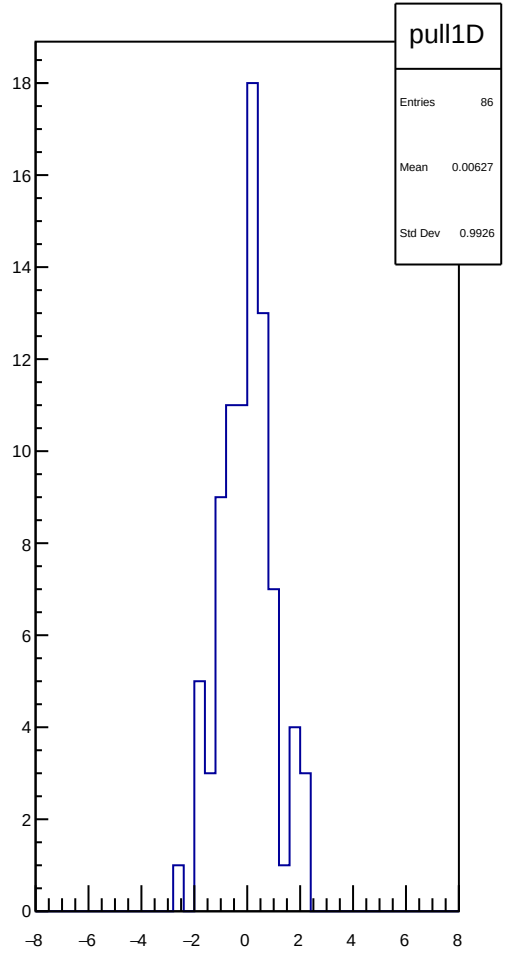

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 8437 / 85
p0 1486 ± 1.157
1700
1650
1600
1550
1500
1450
1400
1350
1300

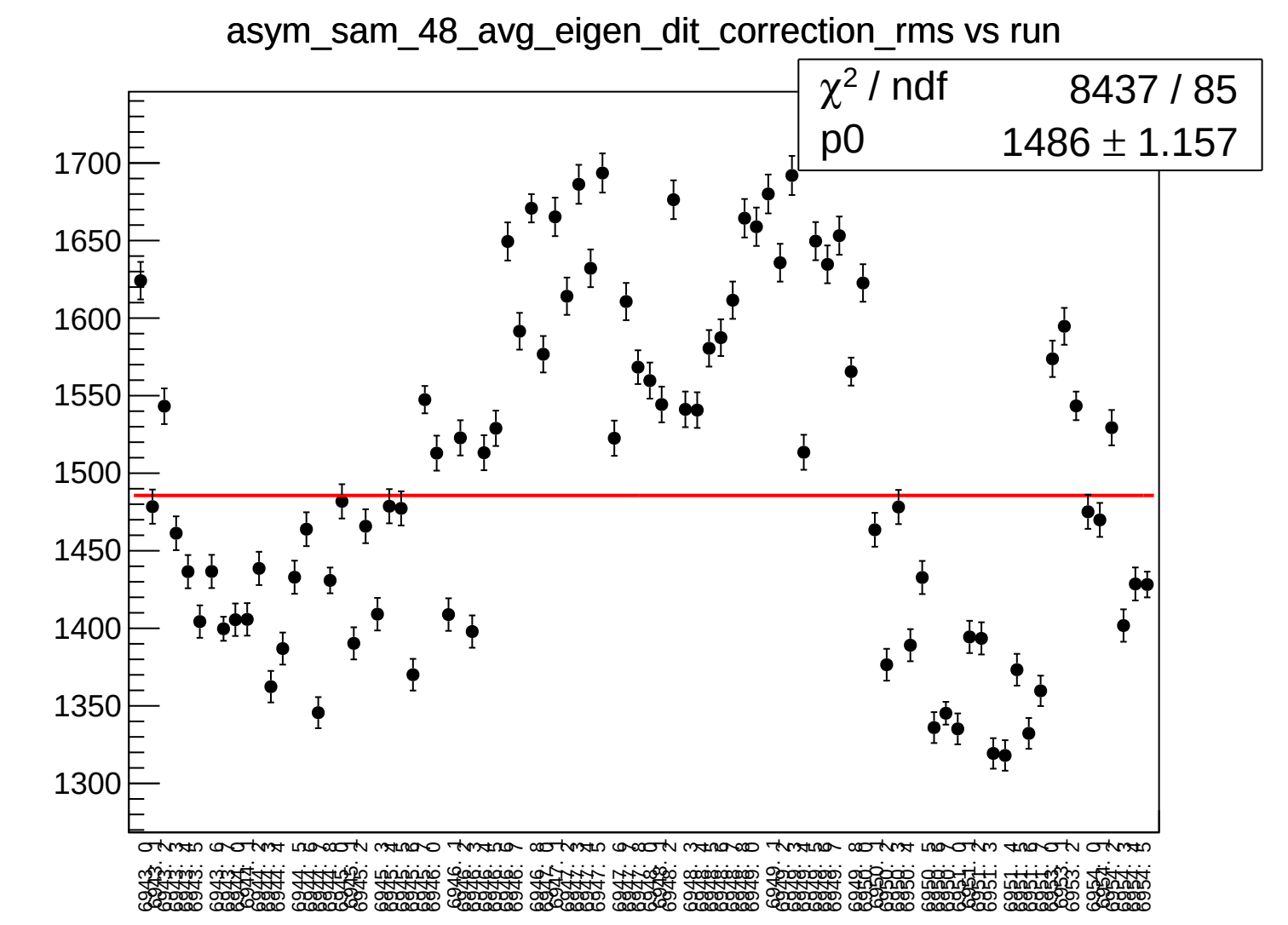

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 102.8 / 85
p0 49.74 ± 179.2
pull
Entries 86
Mean −7854
Std Dev 0

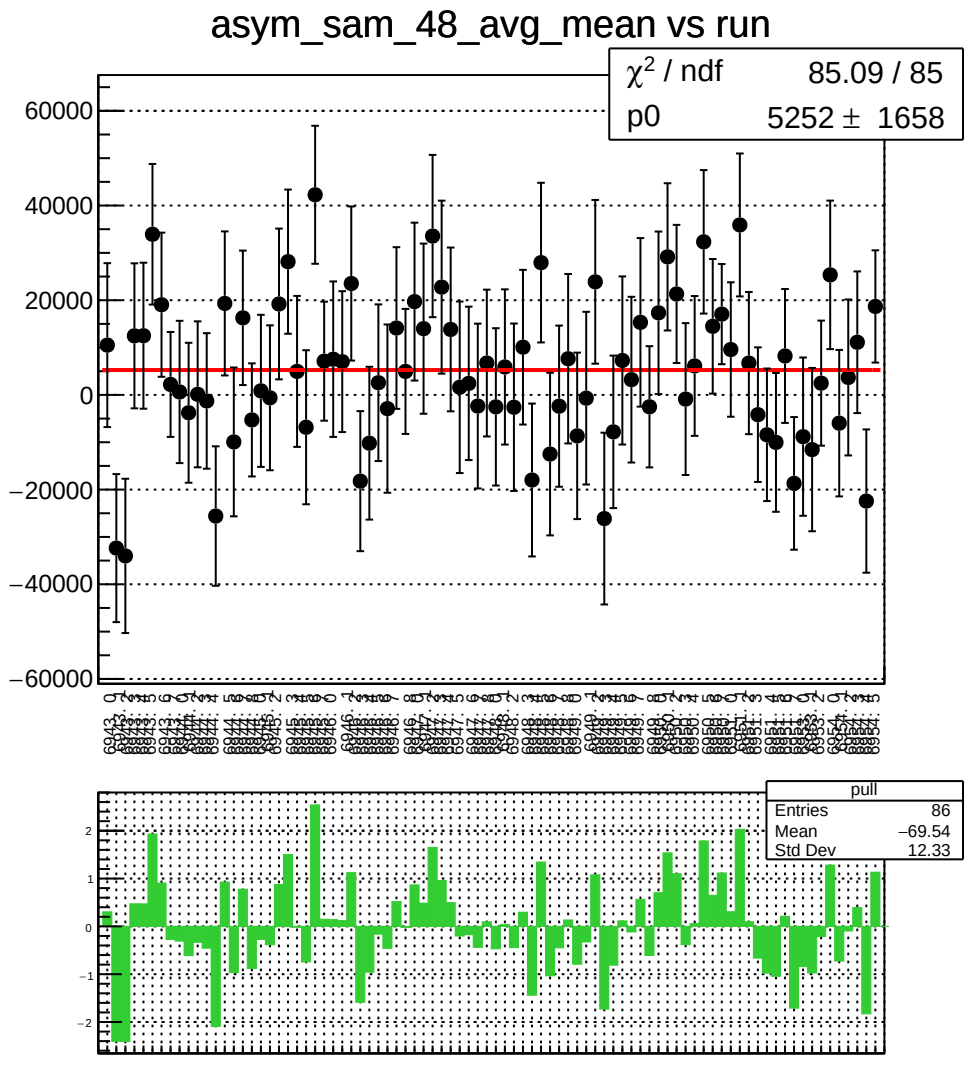

pull1D
Entries 86
Mean −0.0006766
Std Dev 1.094

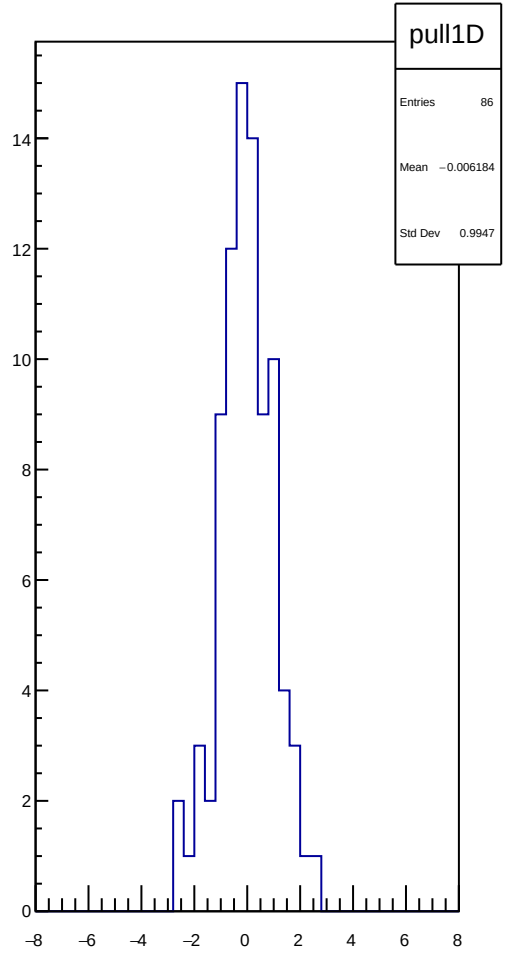

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.274e+04 / 85
p0 162.5 ± 0.1267
280
260
240
220
200
180
160
140


asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.74 / 85
p0 −5195 ± 1637
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 23.23
Std Dev 105.6
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.00627
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 8437 / 85
p0 1486 ± 1.157
1700
1650
1600
1550
1500
1450
1400
1350
1300


asym_sam_48_avg_mean vs run
χ² / ndf 85.09 / 85
p0 5252 ± 1658
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −69.54
Std Dev 12.33
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.006184
Std Dev 0.9947
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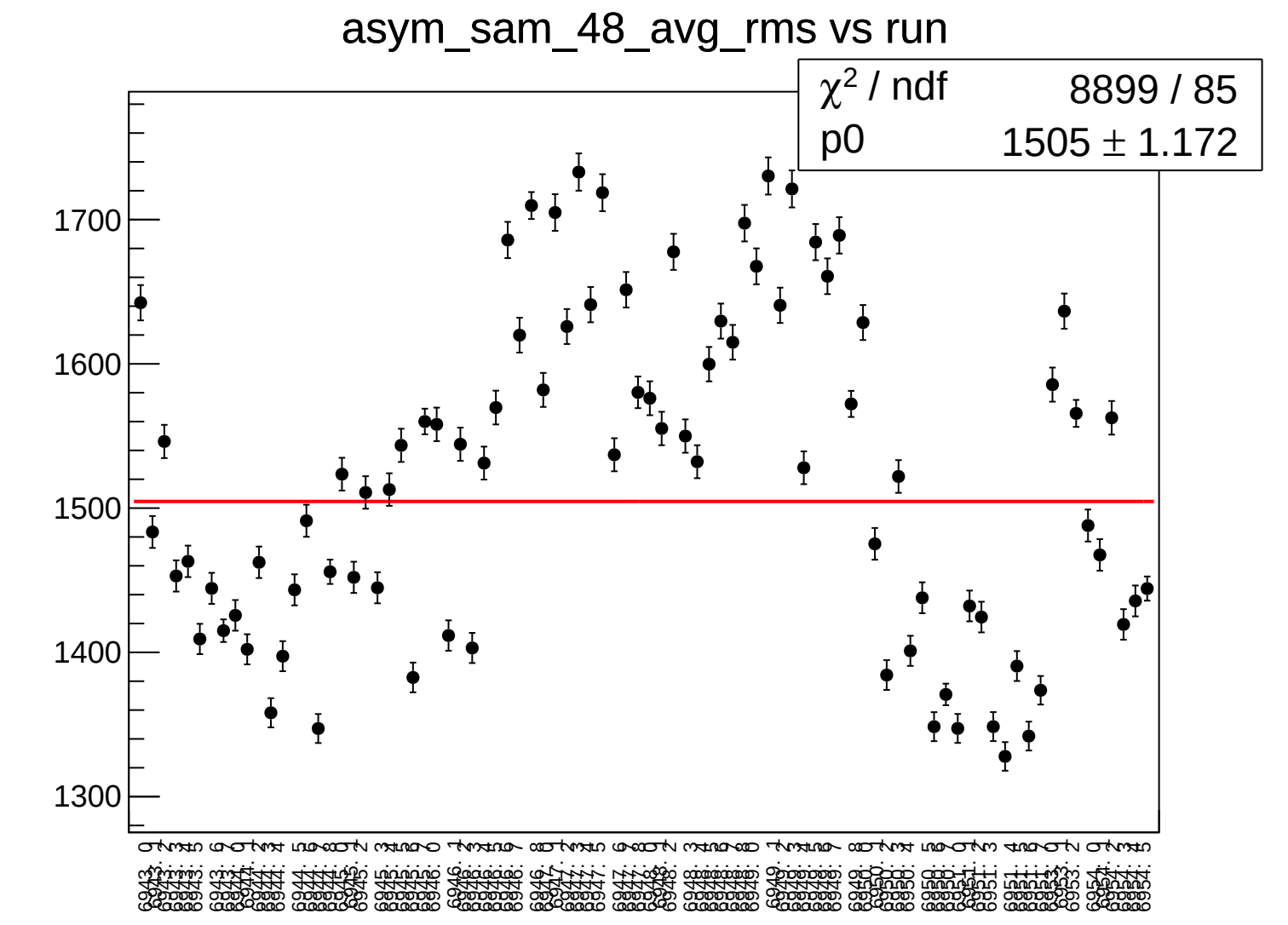
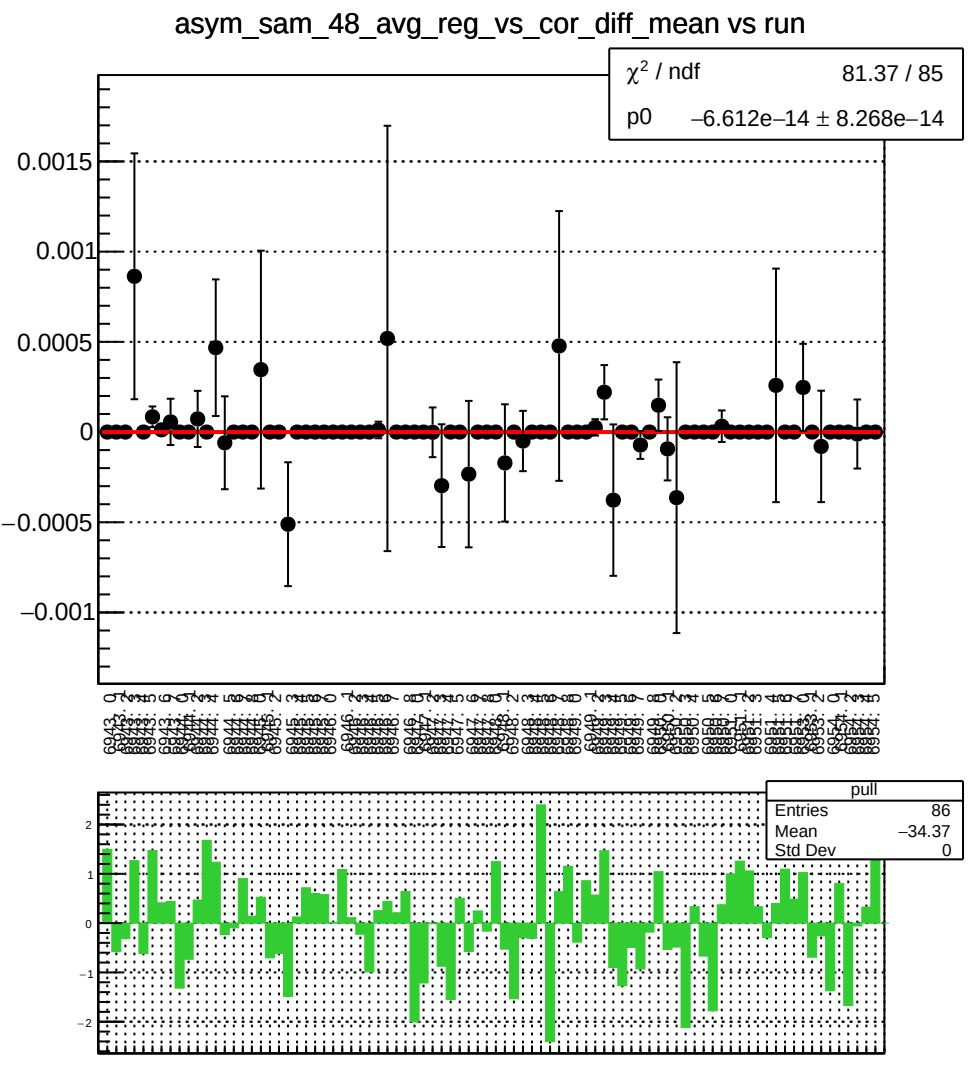
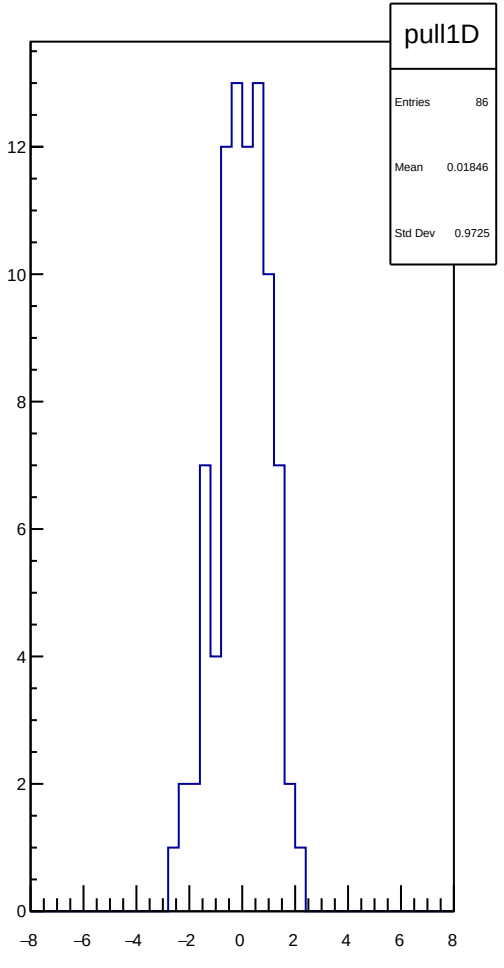
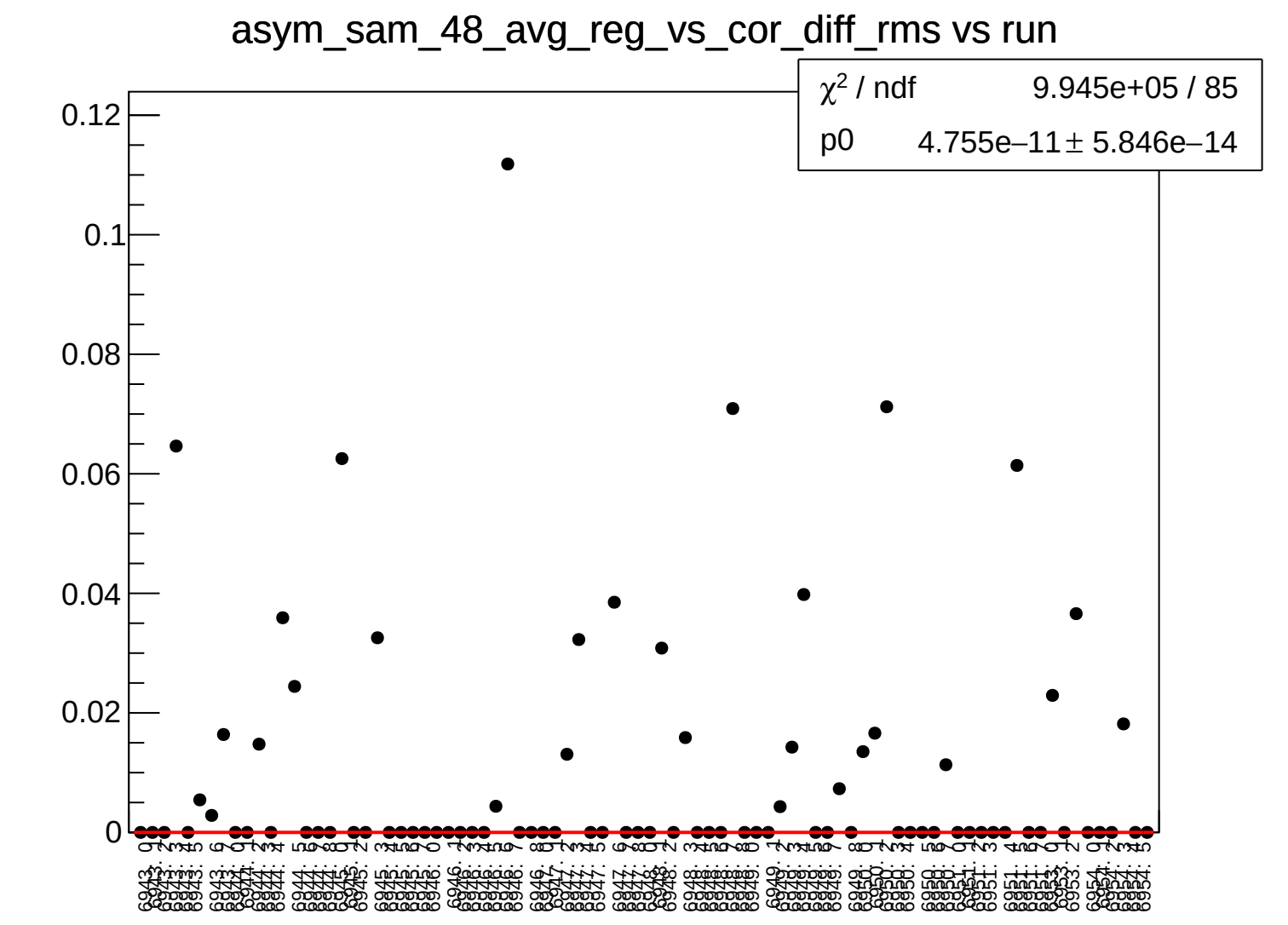
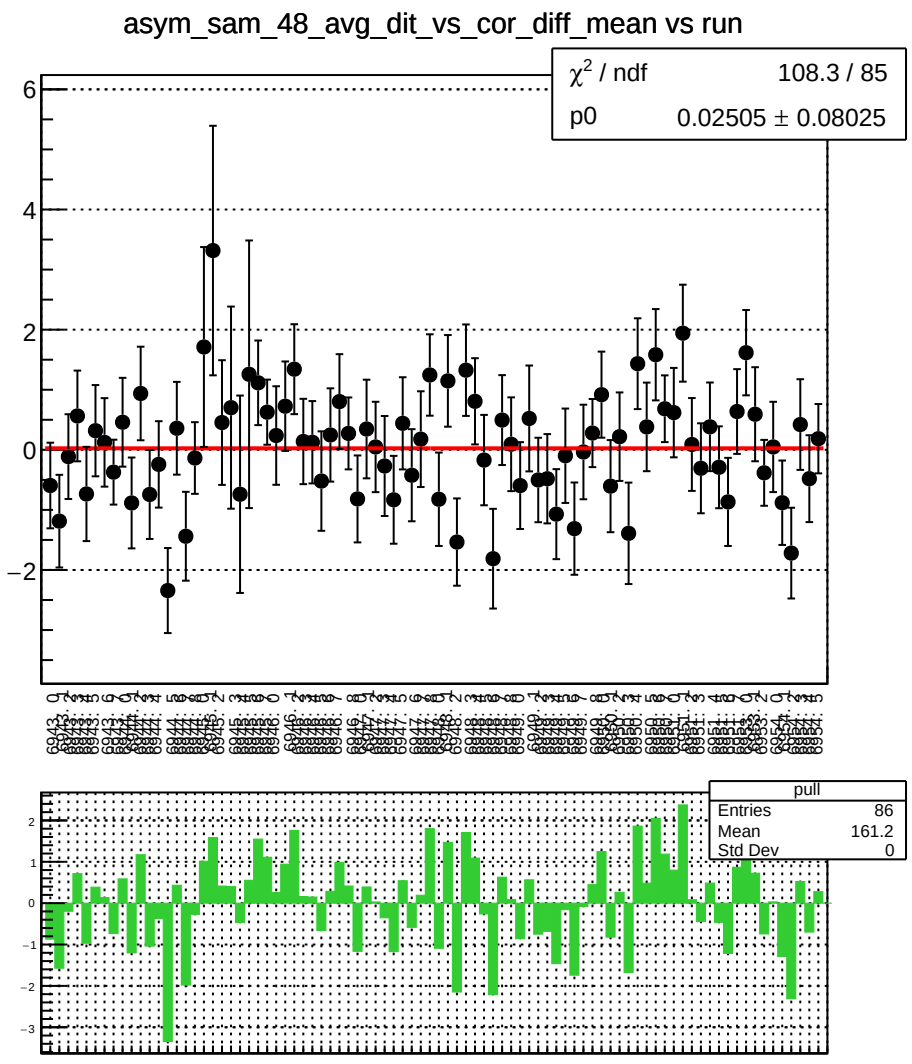
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

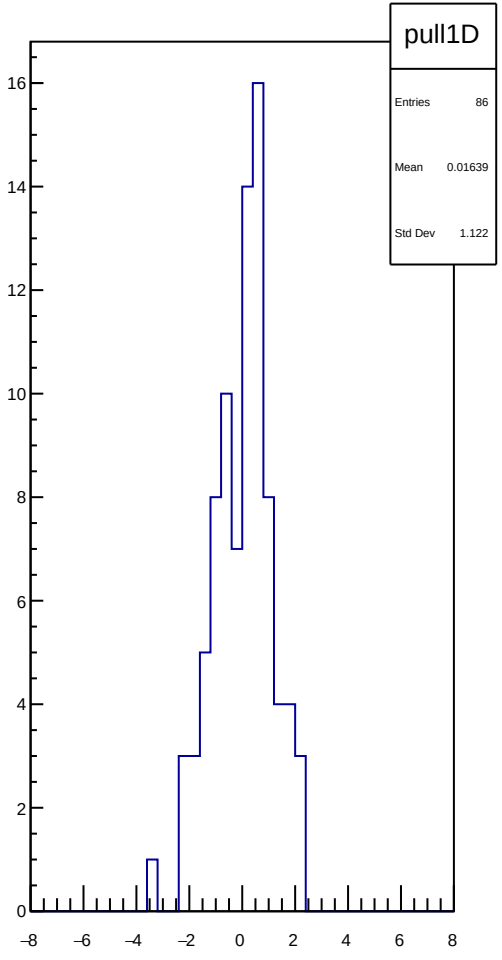

asym_sam_48_avg_rms vs run
χ² / ndf 8899 / 85
p0 1505 ± 1.172
1700
1600
1500
1400
1300

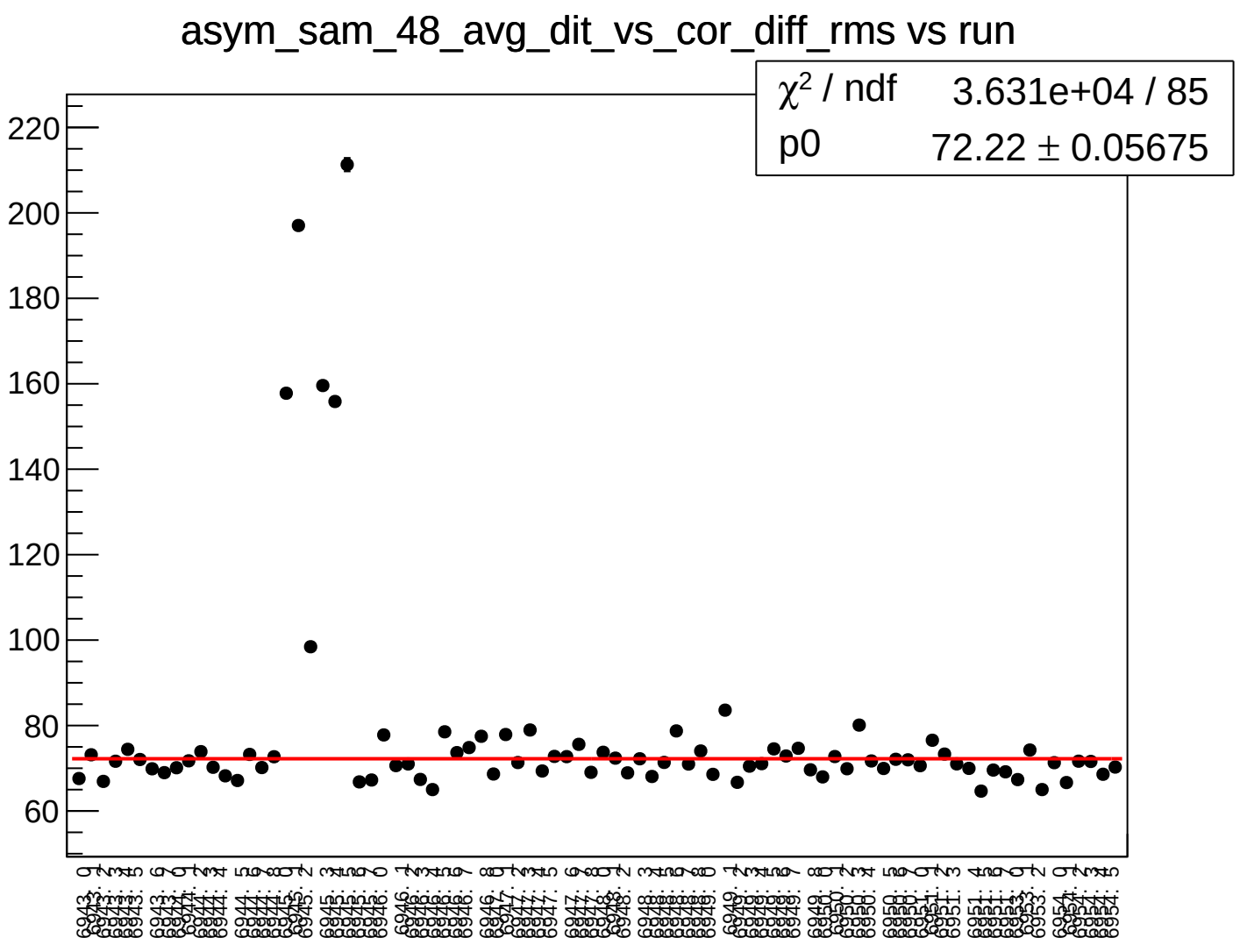

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 85
p0 −6.612e−14 ± 8.268e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean −34.37
Std Dev 0
2
1
0
−1
−2

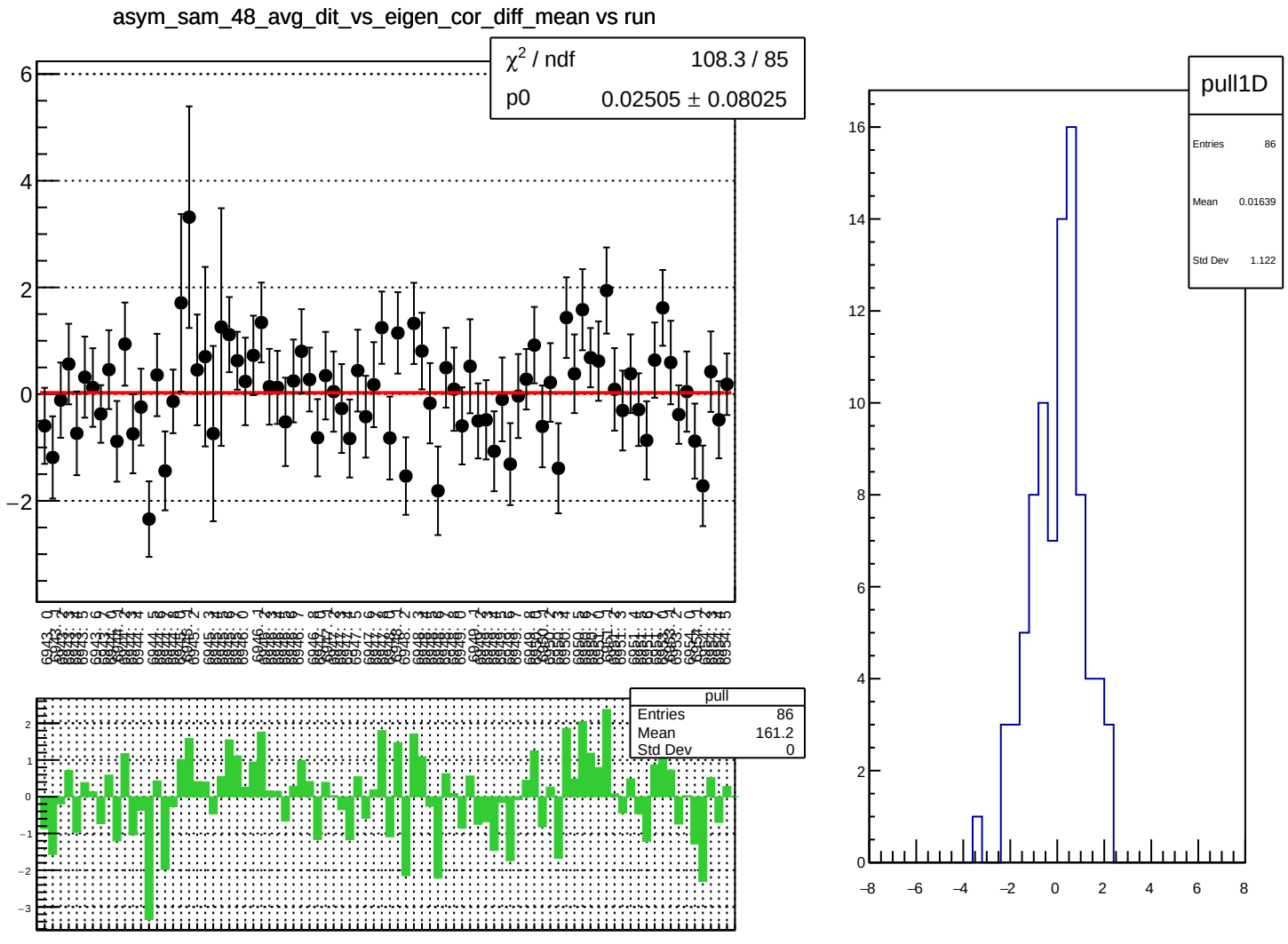

pull1D
Entries 86
Mean 0.01846
Std Dev 0.9725
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

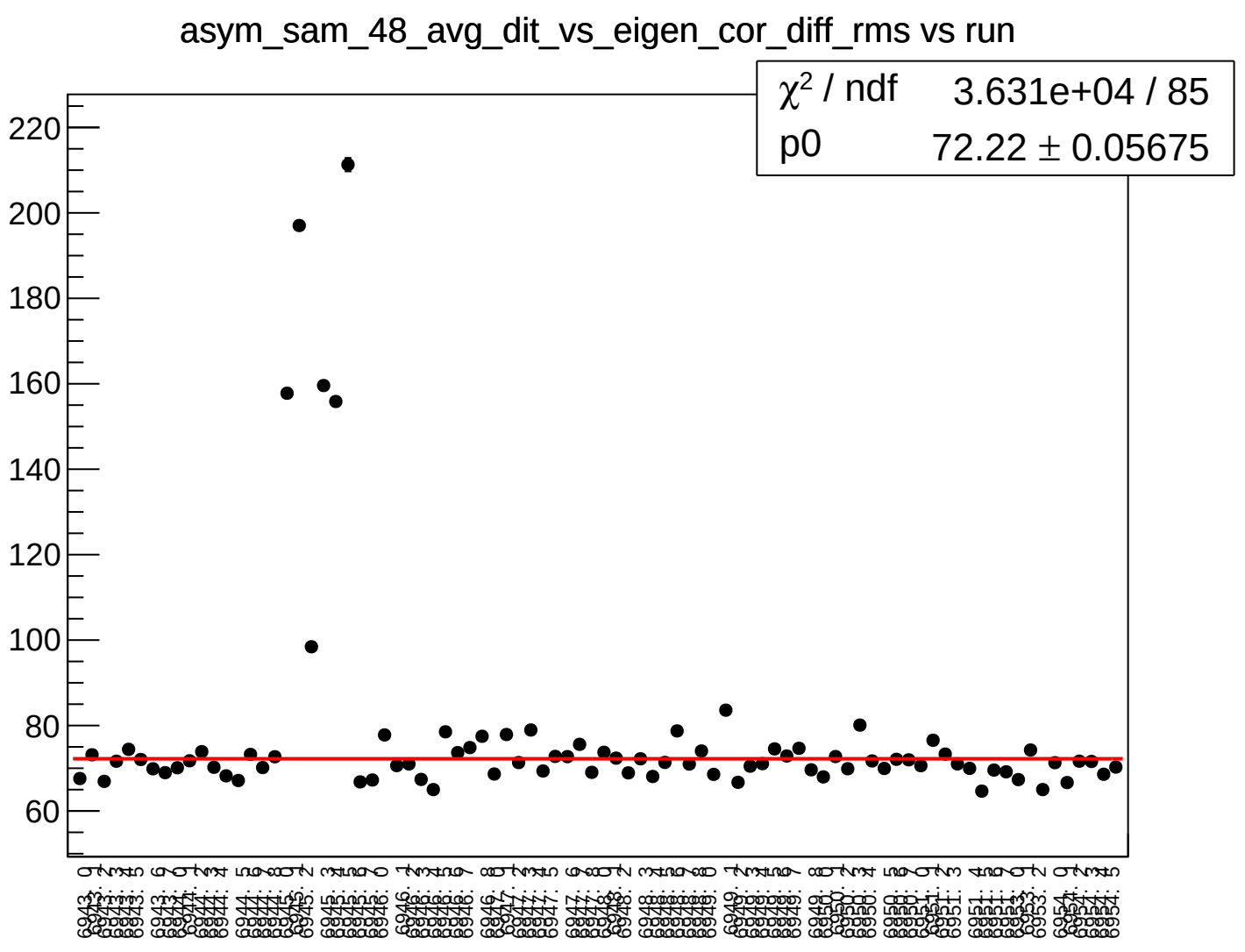

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.945e+05 / 85
p0 4.755e−11 ± 5.846e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

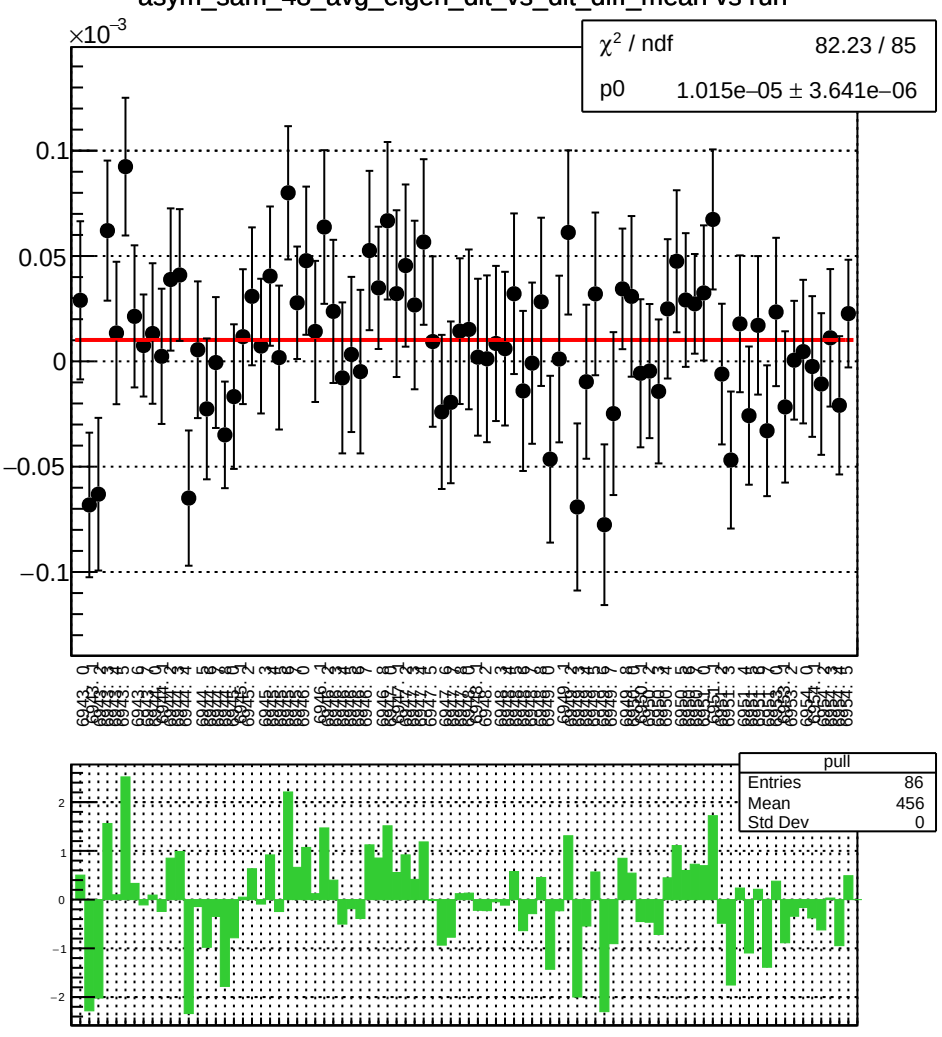

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 108.3 / 85
p0 0.02505 ± 0.08025
pull
Entries 86
Mean 161.2
Std Dev 0

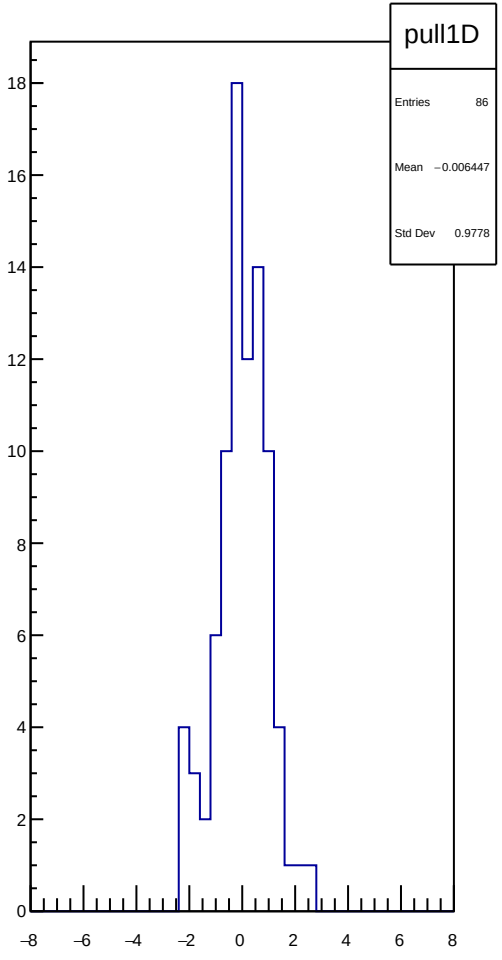

pull1D
Entries 86
Mean 0.01639
Std Dev 1.122

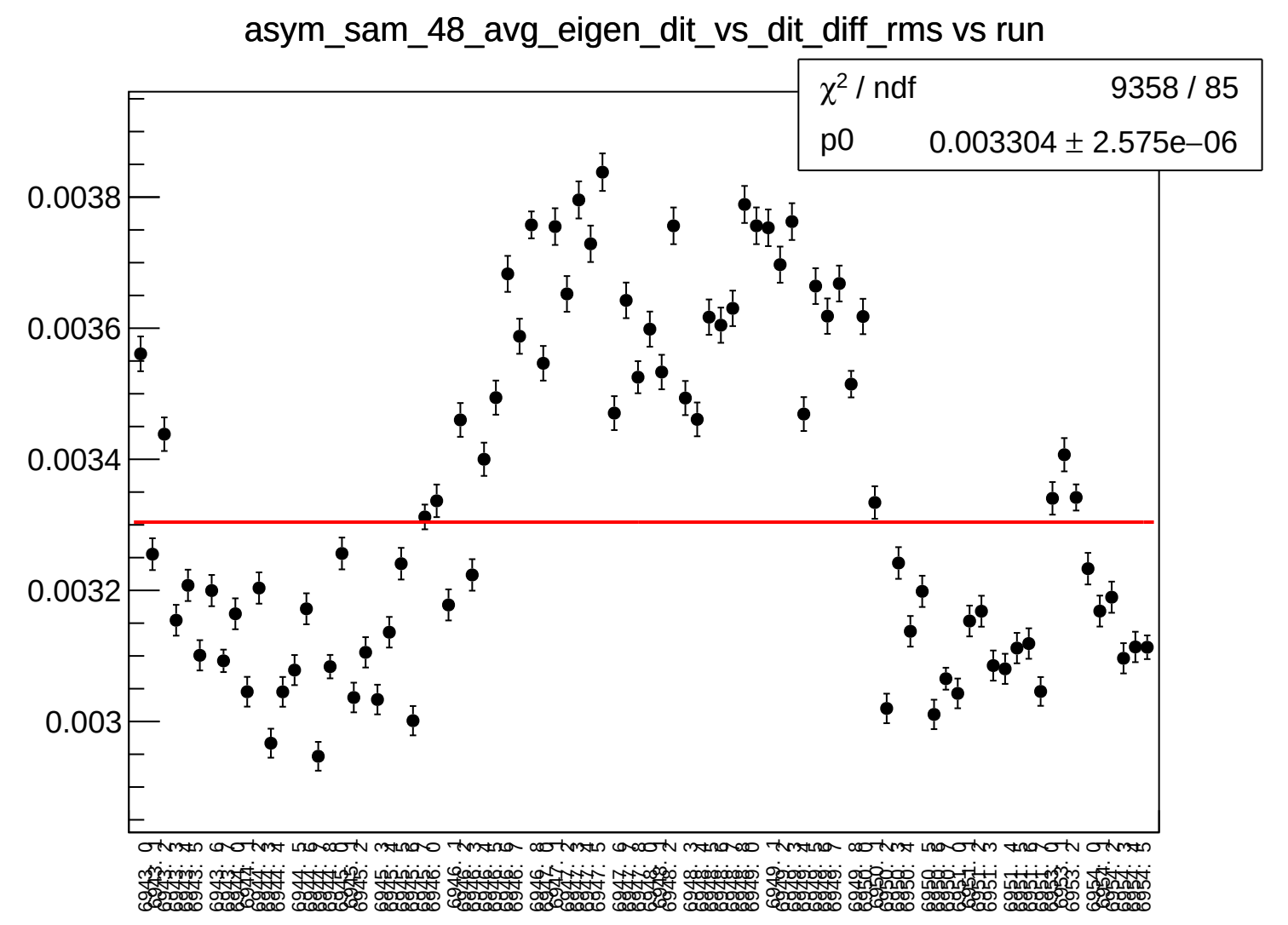

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.631e+04 / 85
p0 72.22 ± 0.05675
220
200
180
160
140
120
100
80
60

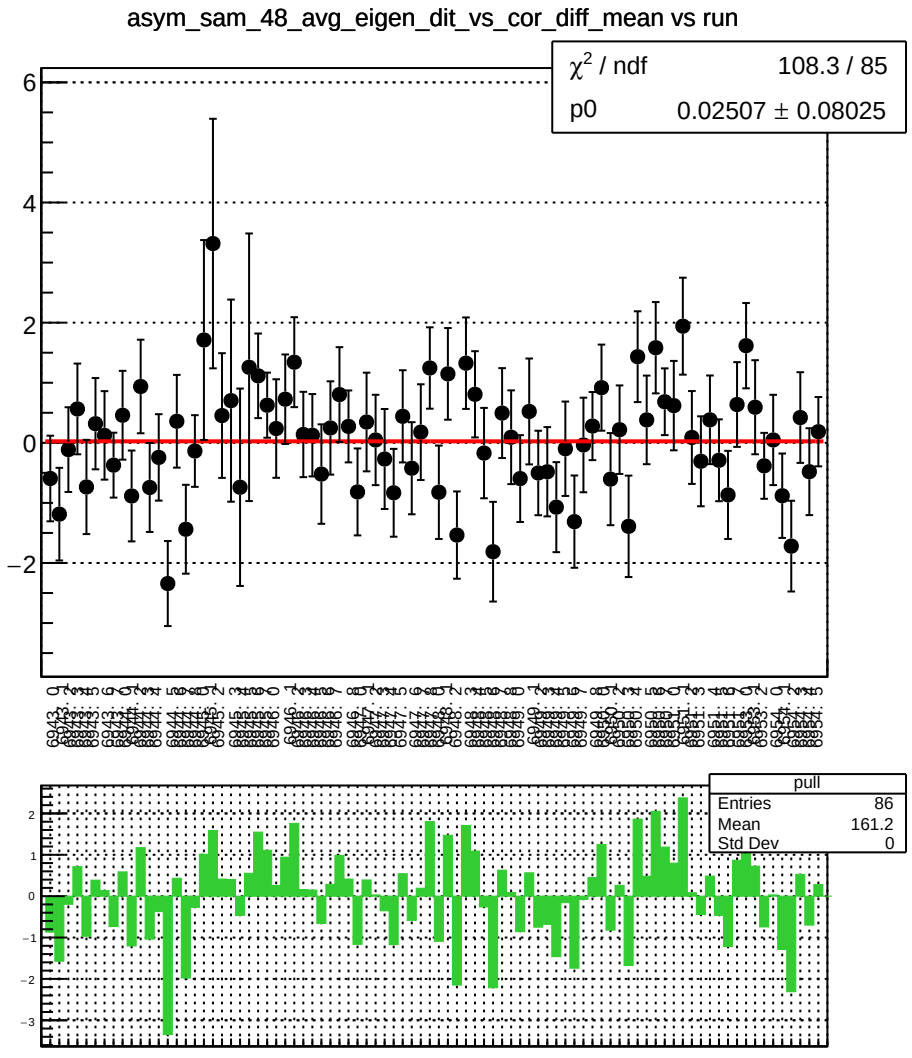

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.3 / 85
p0 0.02505 ± 0.08025
pull
Entries 86
Mean 161.2
Std Dev 0
pull1D
Entries 86
Mean 0.01639
Std Dev 1.122

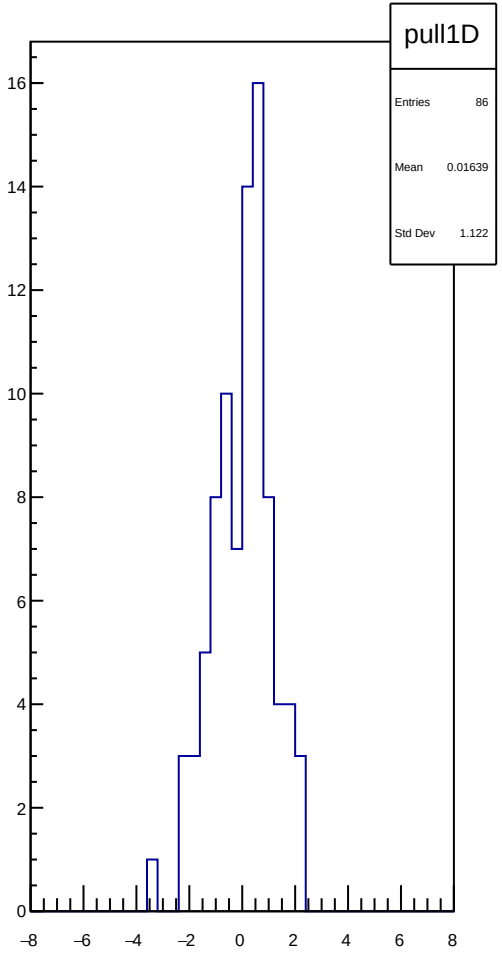

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.631e+04 / 85
p0 72.22 ± 0.05675
220
200
180
160
140
120
100
80
60

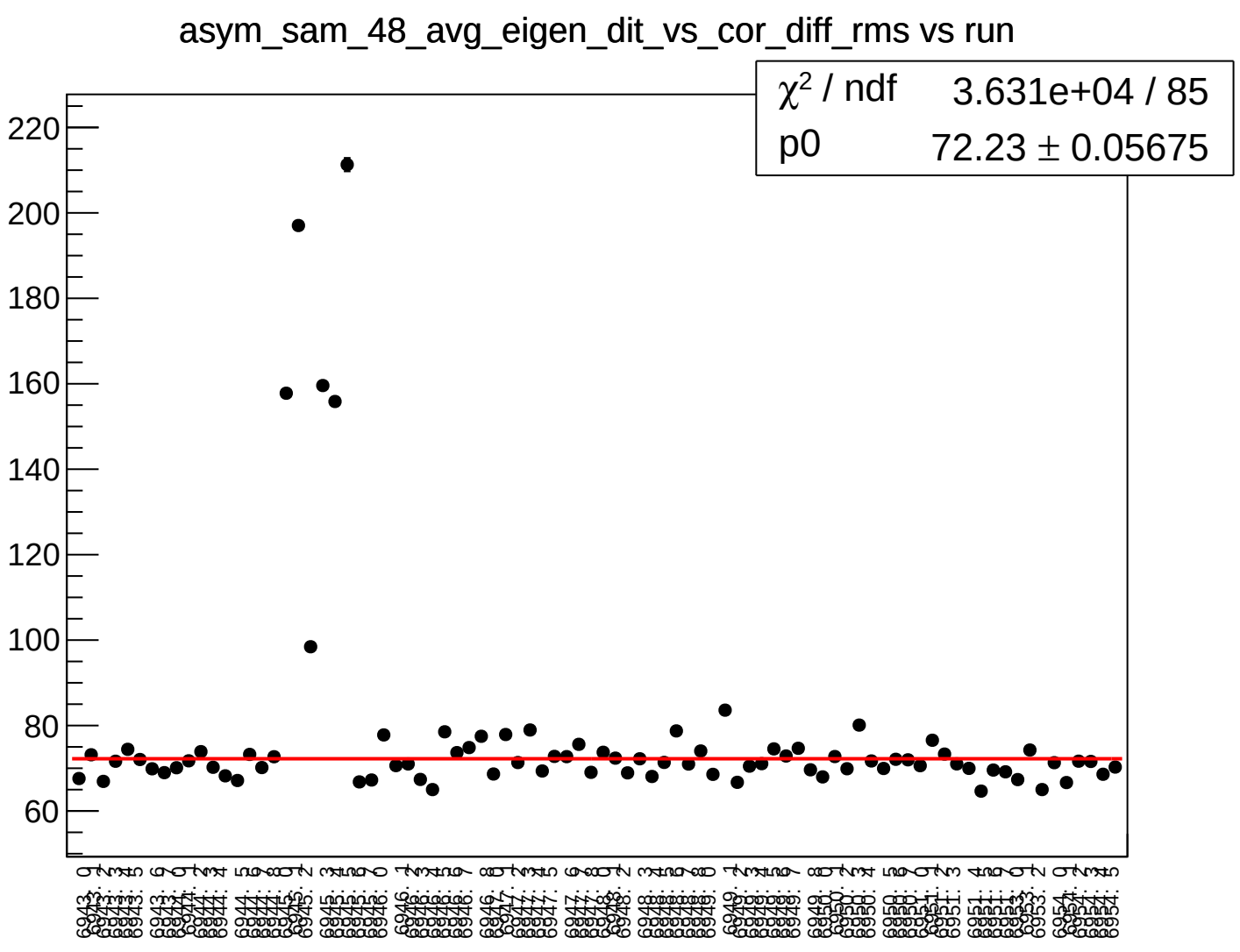

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.23 / 85
p0 1.015e−05 ± 3.641e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 456
Std Dev 0
2
1
0
−1
−2

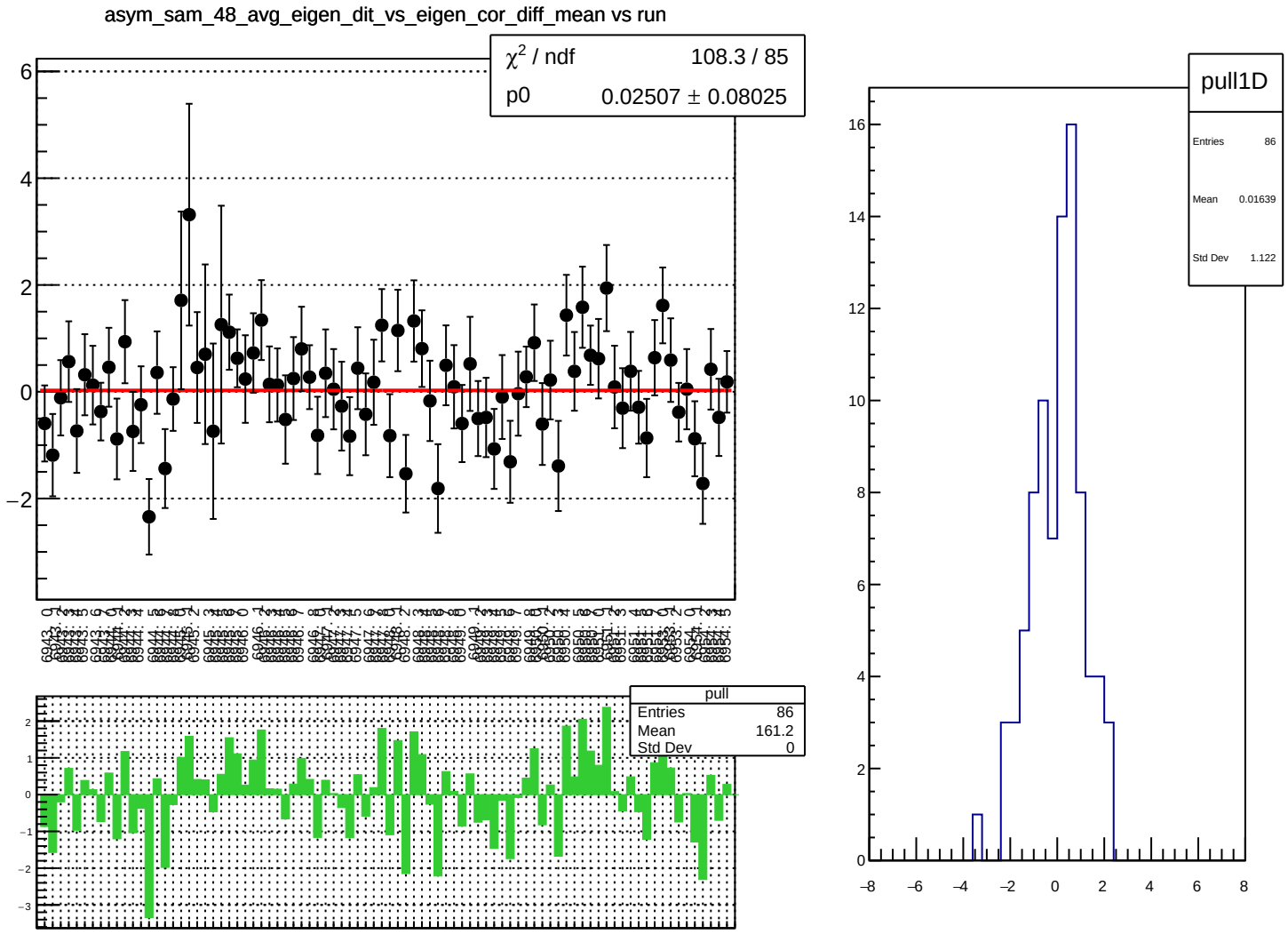

pull1D
Entries 86
Mean −0.006447
Std Dev 0.9778
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

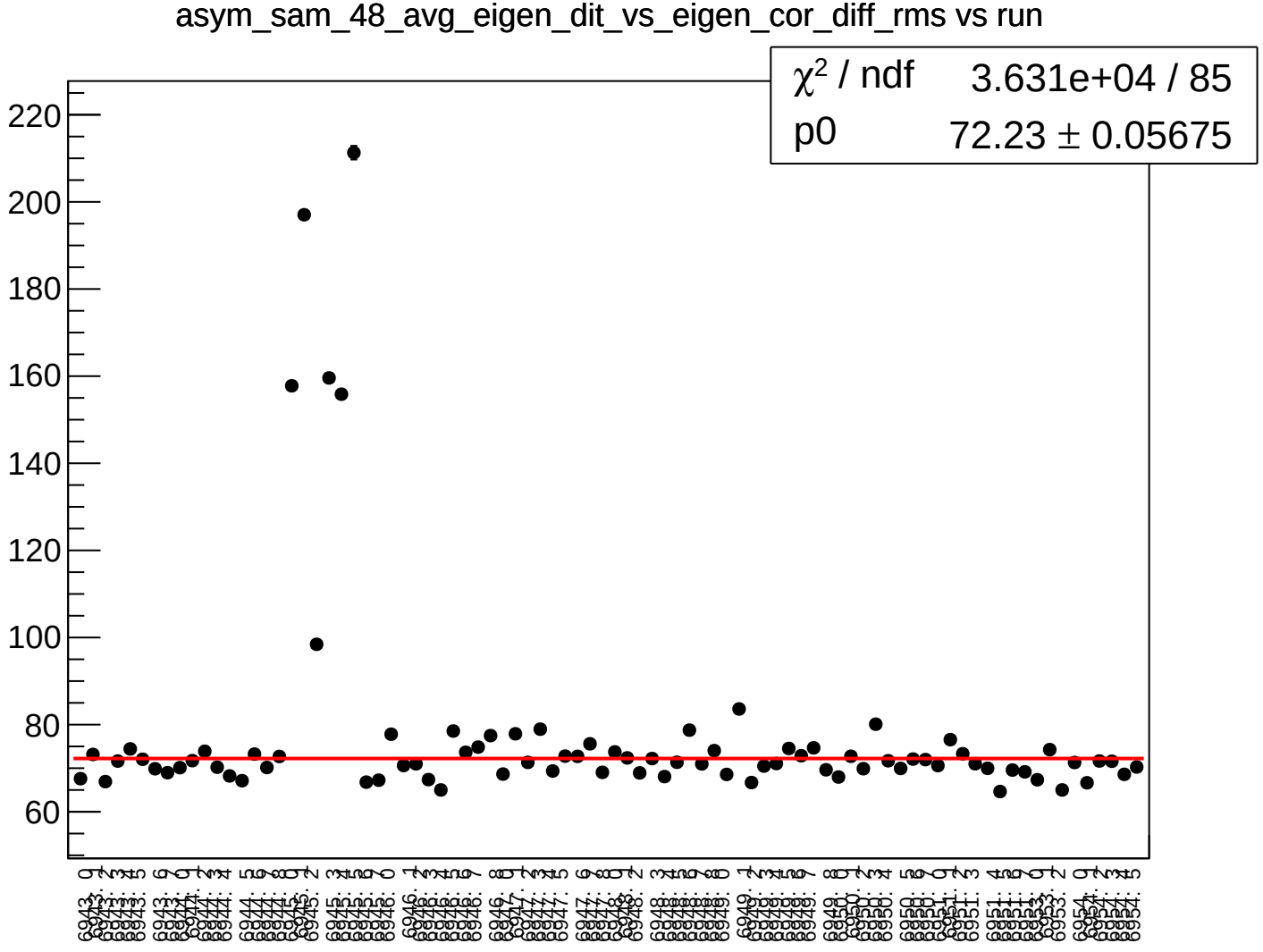

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9358 / 85
p0 0.003304 ± 2.575e−06
0.0038
0.0036
0.0034
0.0032
0.003

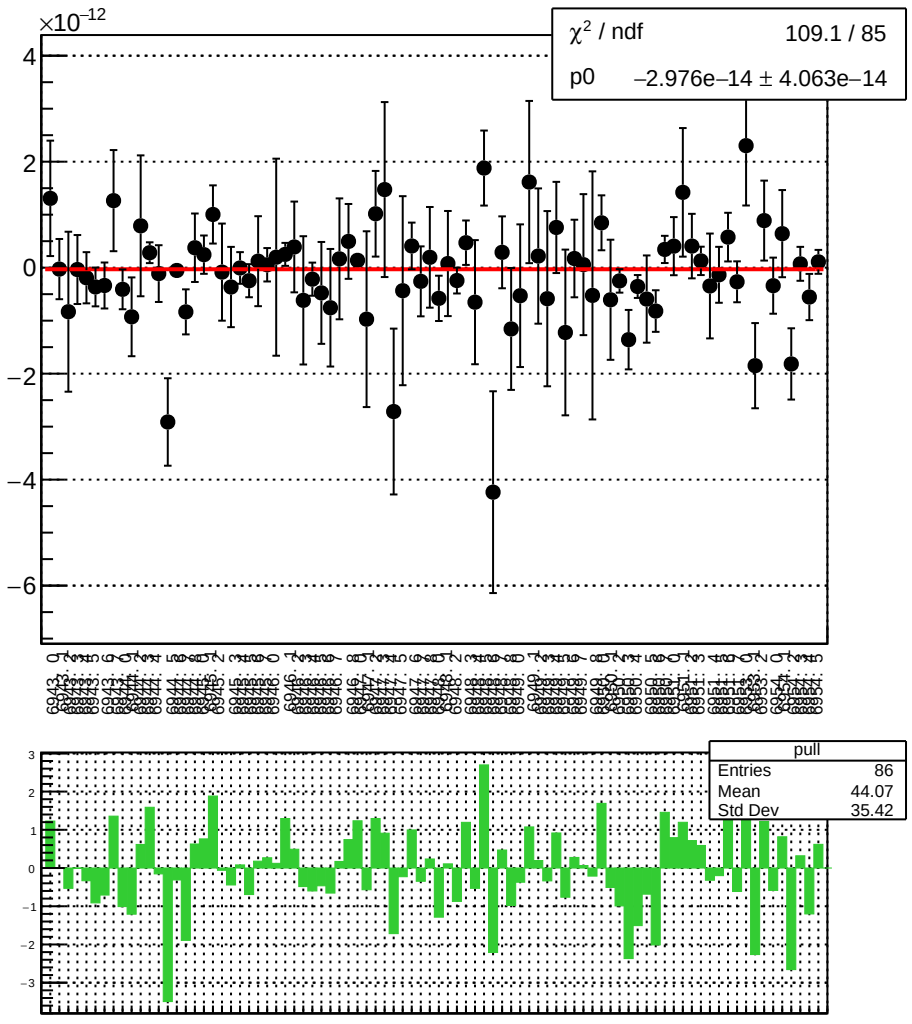

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 108.3 / 85
p0 0.02507 ± 0.08025
pull
Entries 86
Mean 161.2
Std Dev 0

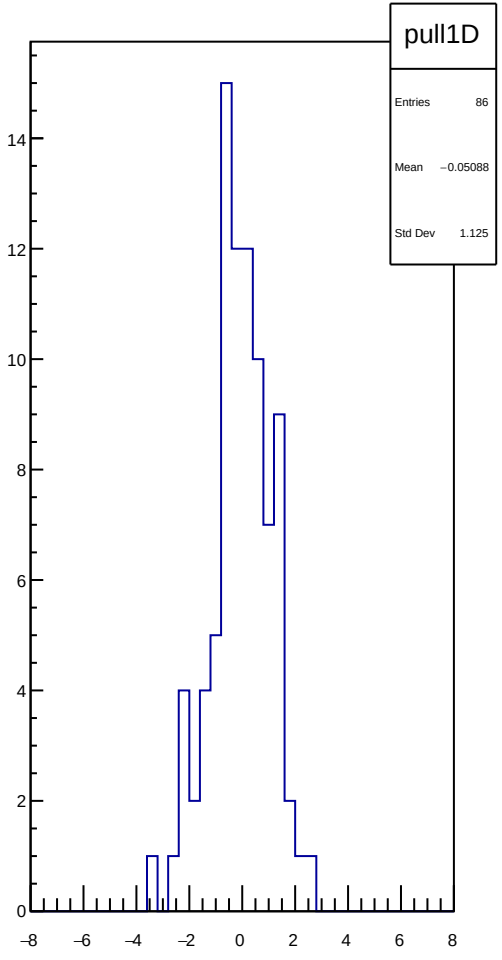

pull1D
Entries 86
Mean 0.01639
Std Dev 1.122

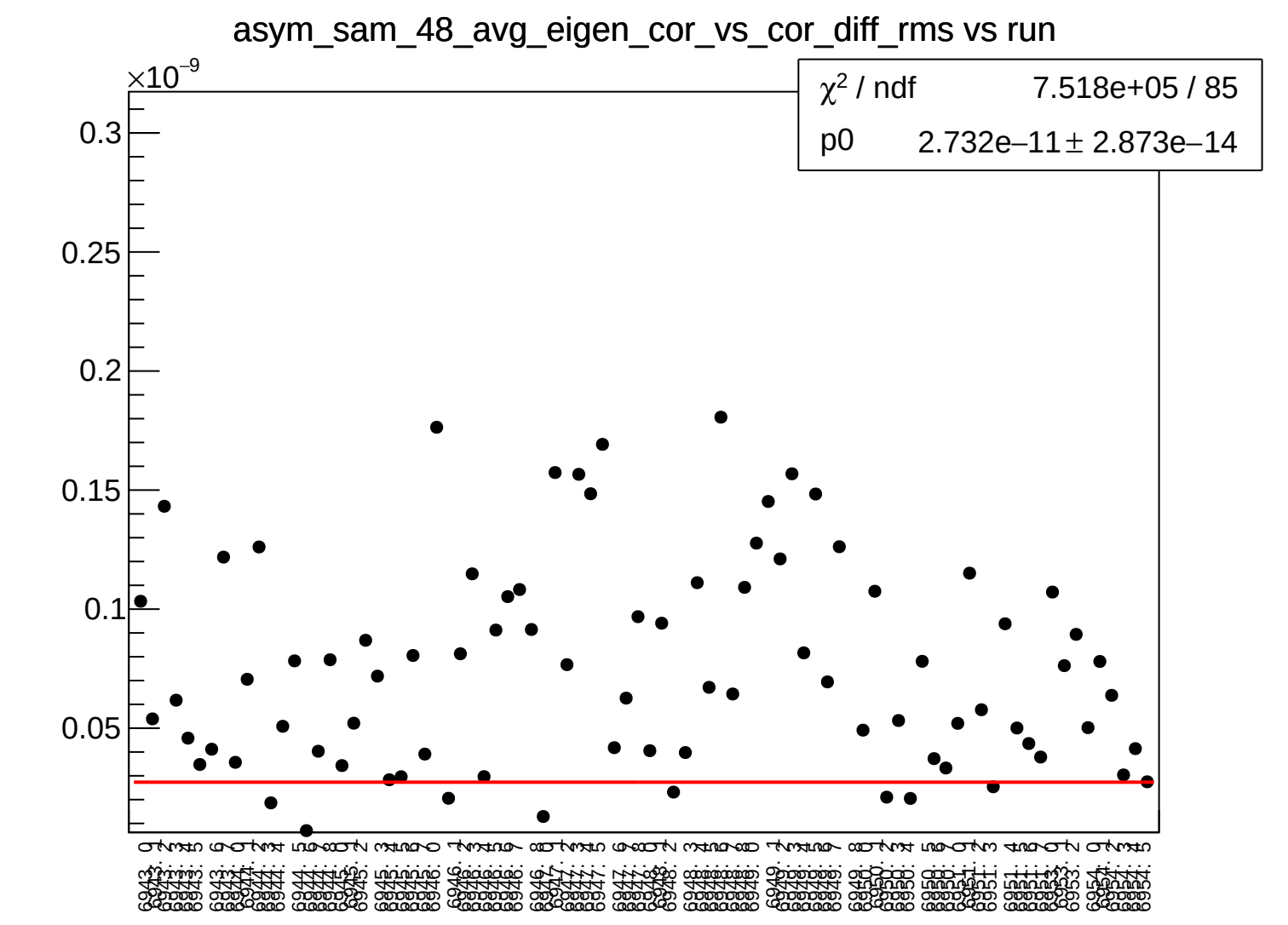

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.631e+04 / 85
p0 72.23 ± 0.05675
220
200
180
160
140
120
100
80
60

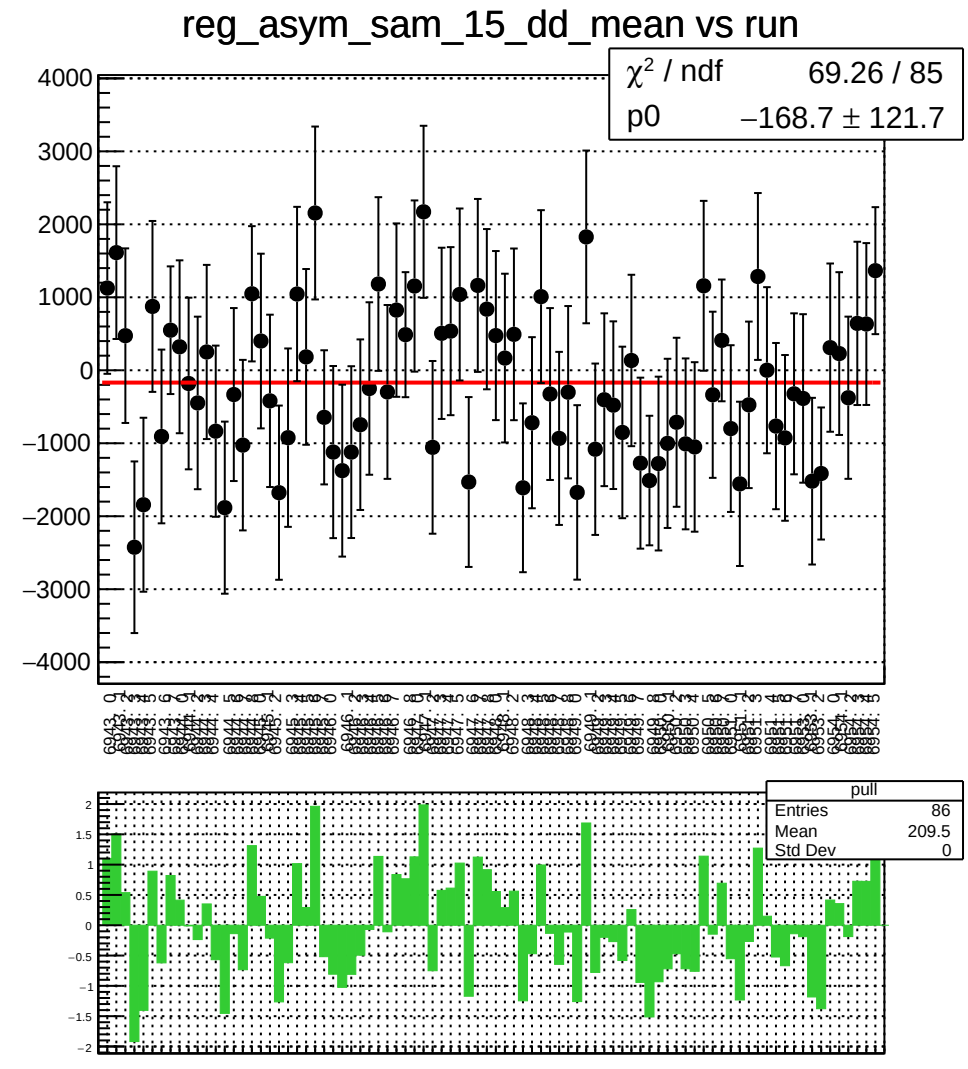

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.3 / 85
p0 0.02507 ± 0.08025
pull
Entries 86
Mean 161.2
Std Dev 0
pull1D
Entries 86
Mean 0.01639
Std Dev 1.122

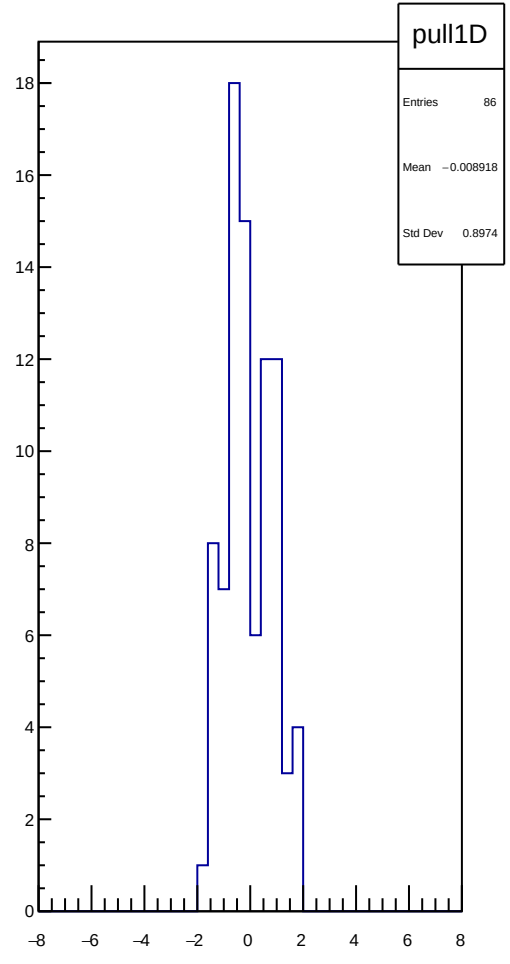

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.631e+04 / 85
p0 72.23 ± 0.05675
220
200
180
160
140
120
100
80
60

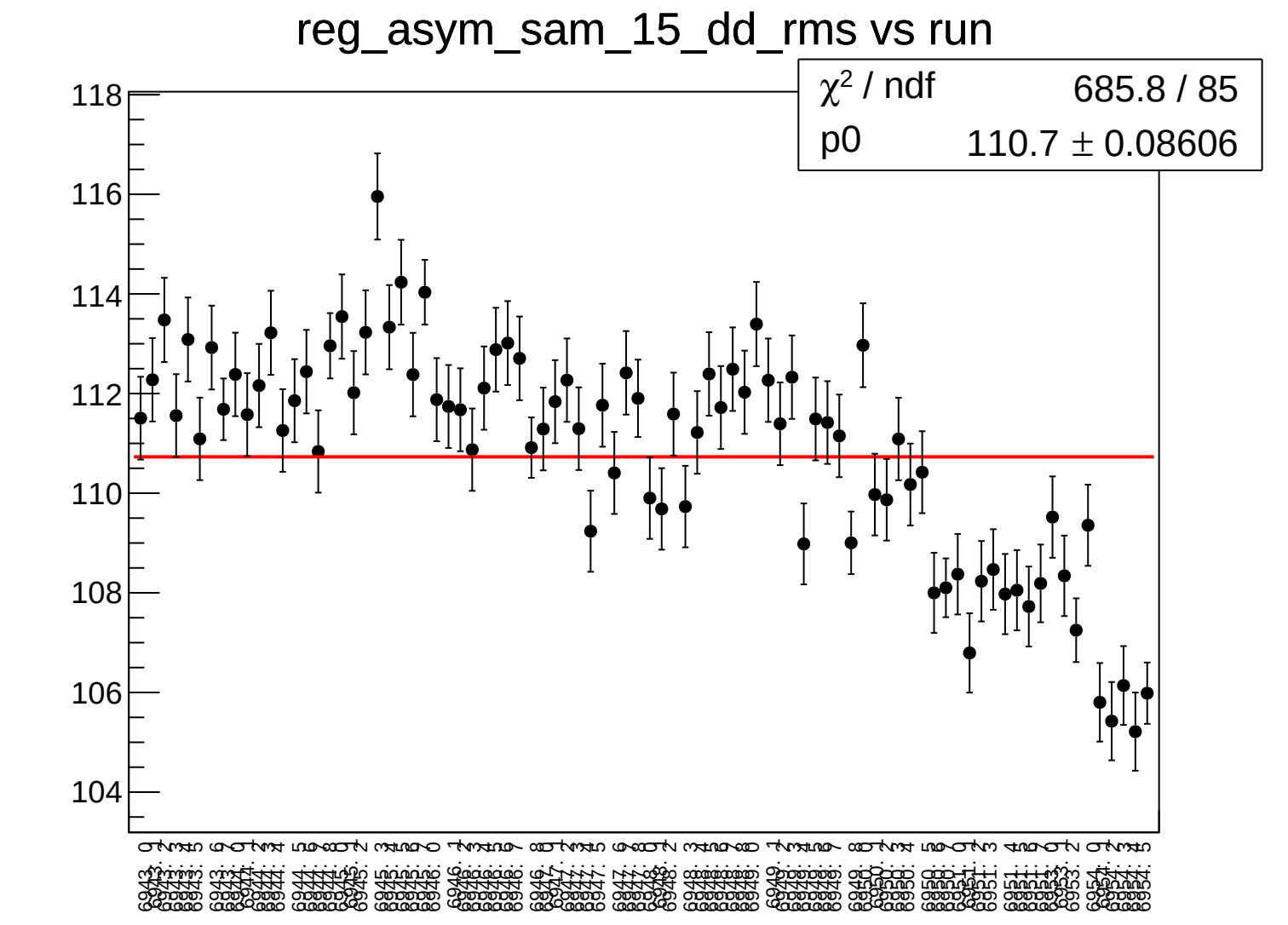

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.1 / 85
p0 −2.976e−14 ± 4.063e−14
pull
Entries 86
Mean 44.07
Std Dev 35.42

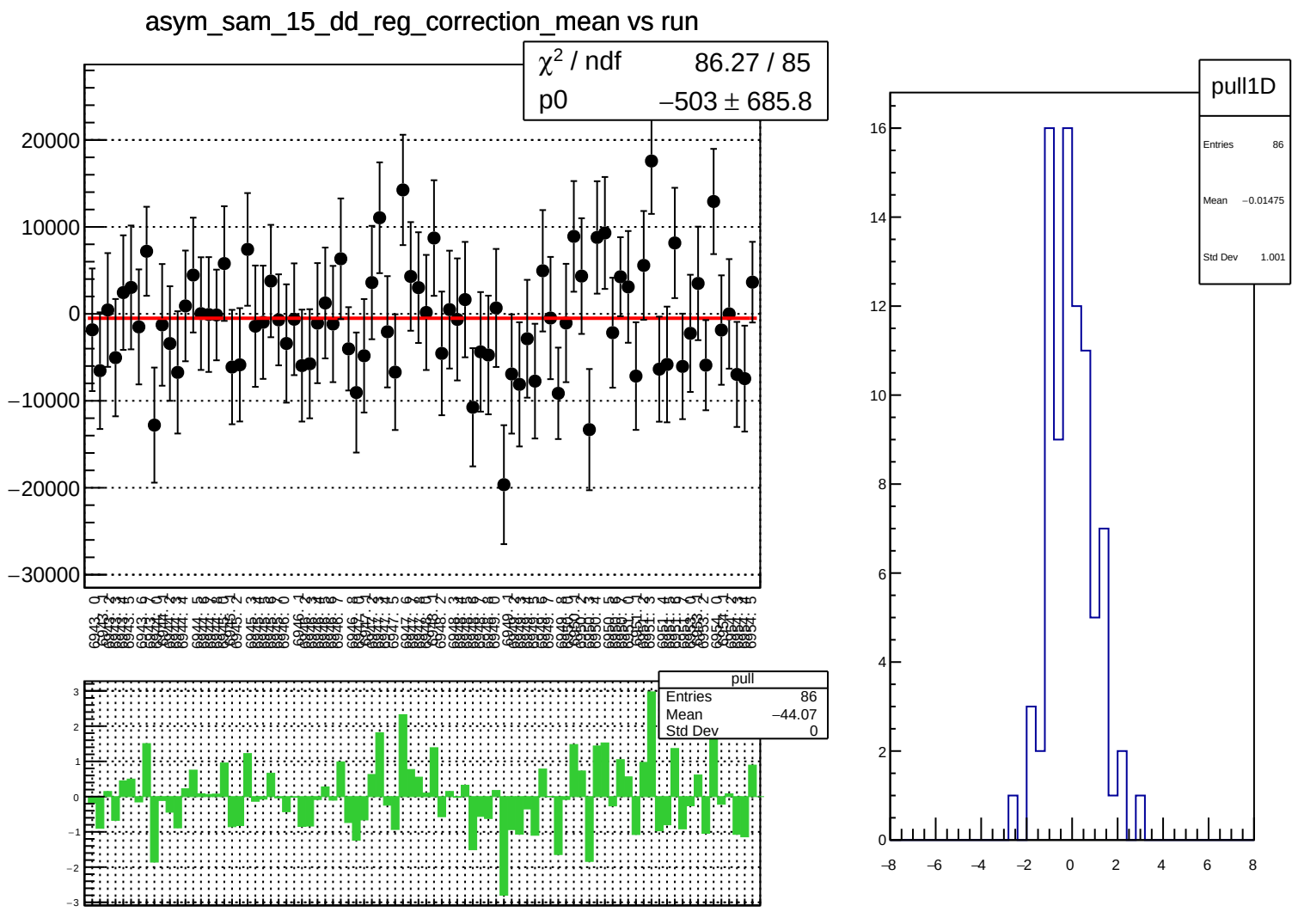

pull1D
Entries 86
Mean −0.05088
Std Dev 1.125

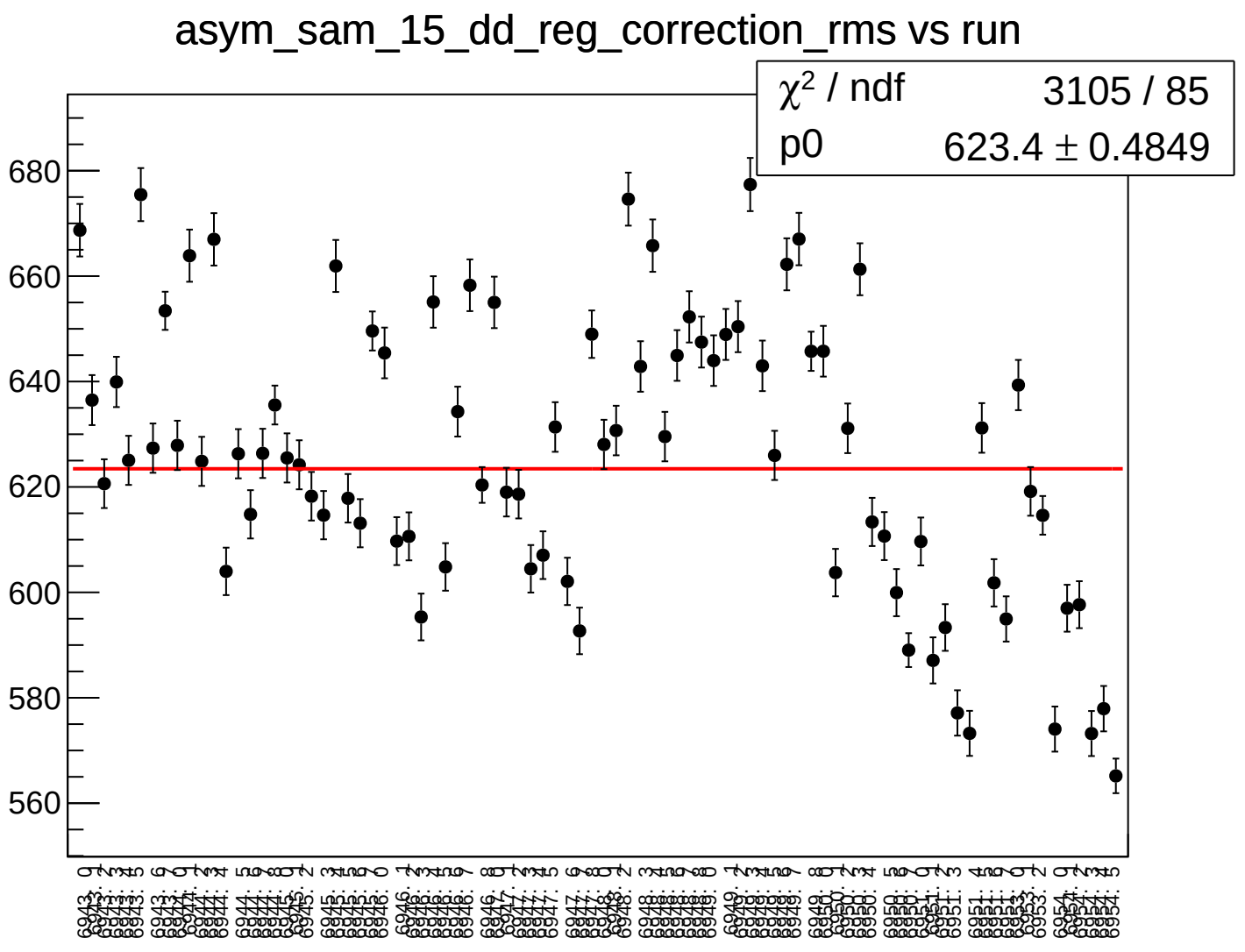

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.518e+05 / 85
p0 2.732e−11 ± 2.873e−14
0.3
0.25
0.2
0.15
0.1
0.05

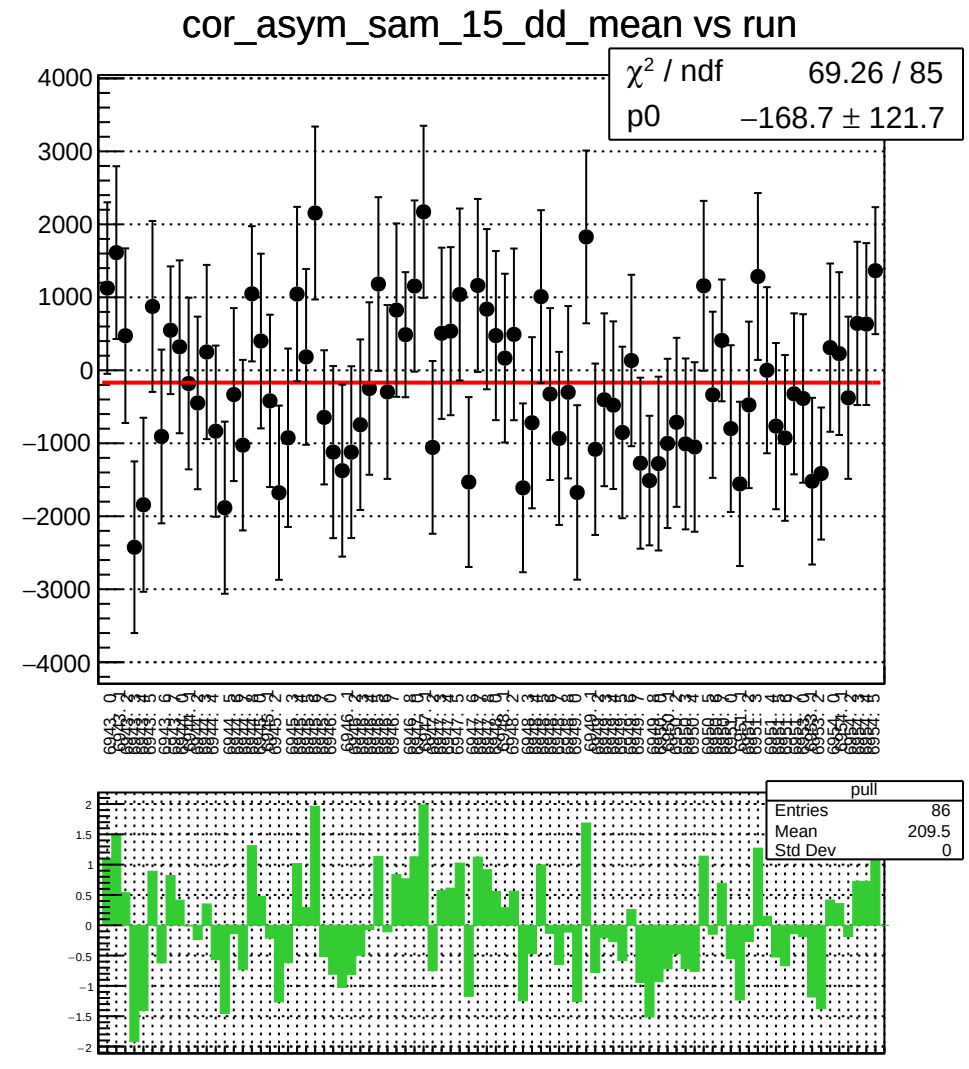

reg_asym_sam_15_dd_mean vs run
χ² / ndf 69.26 / 85
p0 −168.7 ± 121.7
pull
Entries 86
Mean 209.5
Std Dev 0

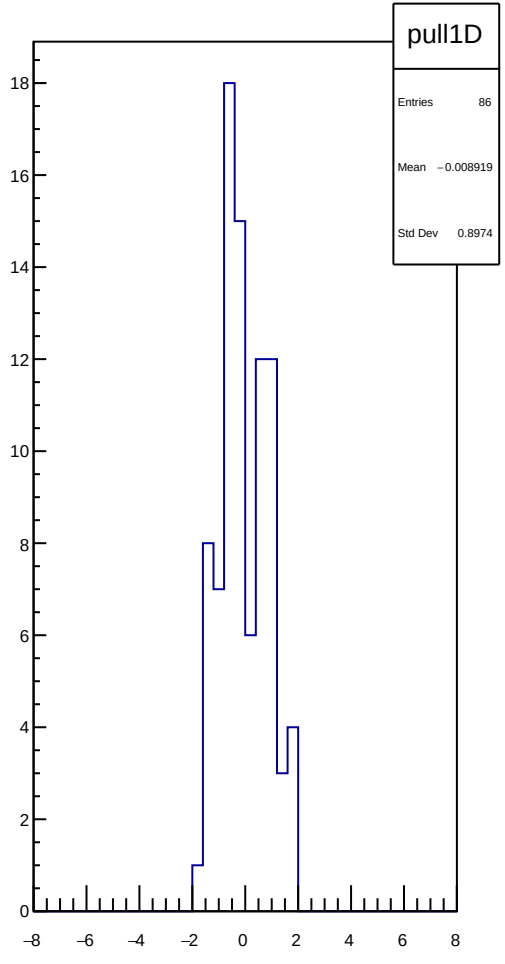

pull1D
Entries 86
Mean −0.008918
Std Dev 0.8974

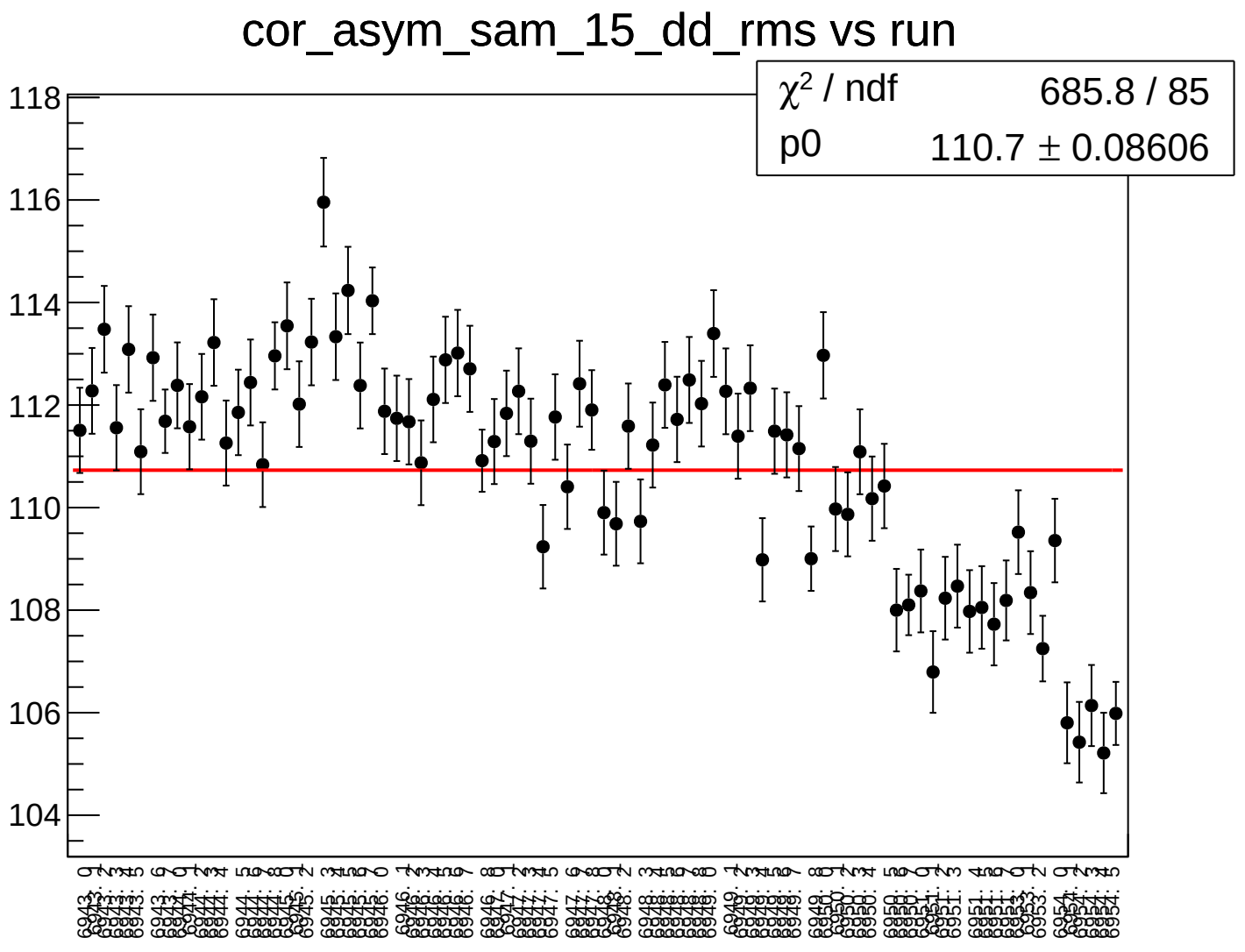

reg_asym_sam_15_dd_rms vs run
χ² / ndf 685.8 / 85
p0 110.7 ± 0.08606
118
116
114
112
110
108
106
104

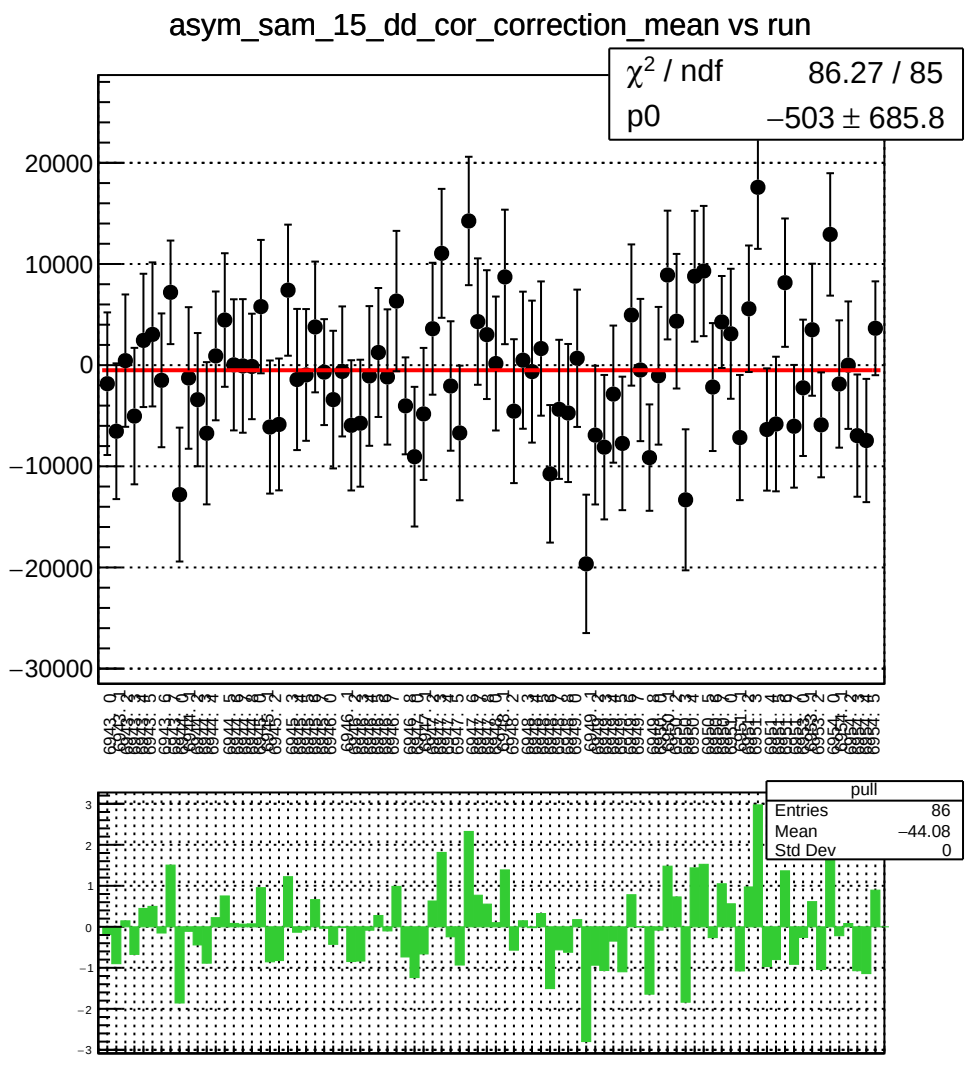

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 86.27 / 85
p0 −503 ± 685.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −44.07
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01475
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

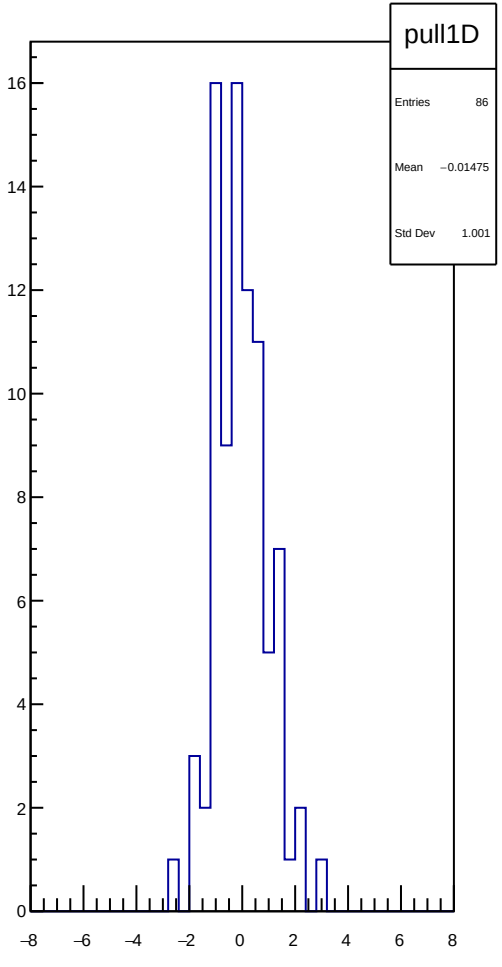

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 3105 / 85
p0 623.4 ± 0.4849
680
660
640
620
600
580
560

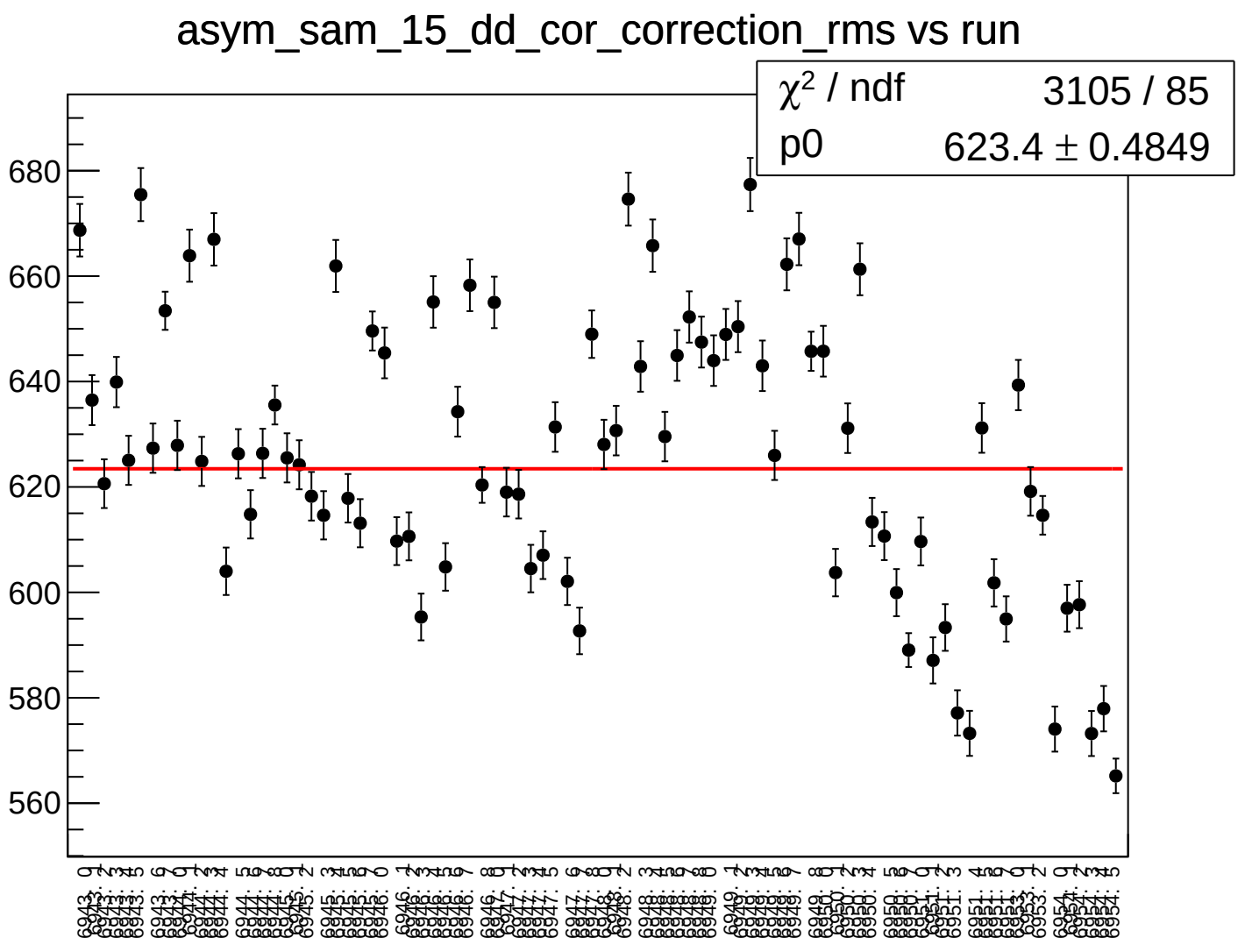

cor_asym_sam_15_dd_mean vs run
χ² / ndf 69.26 / 85
p0 −168.7 ± 121.7
pull
Entries 86
Mean 209.5
Std Dev 0

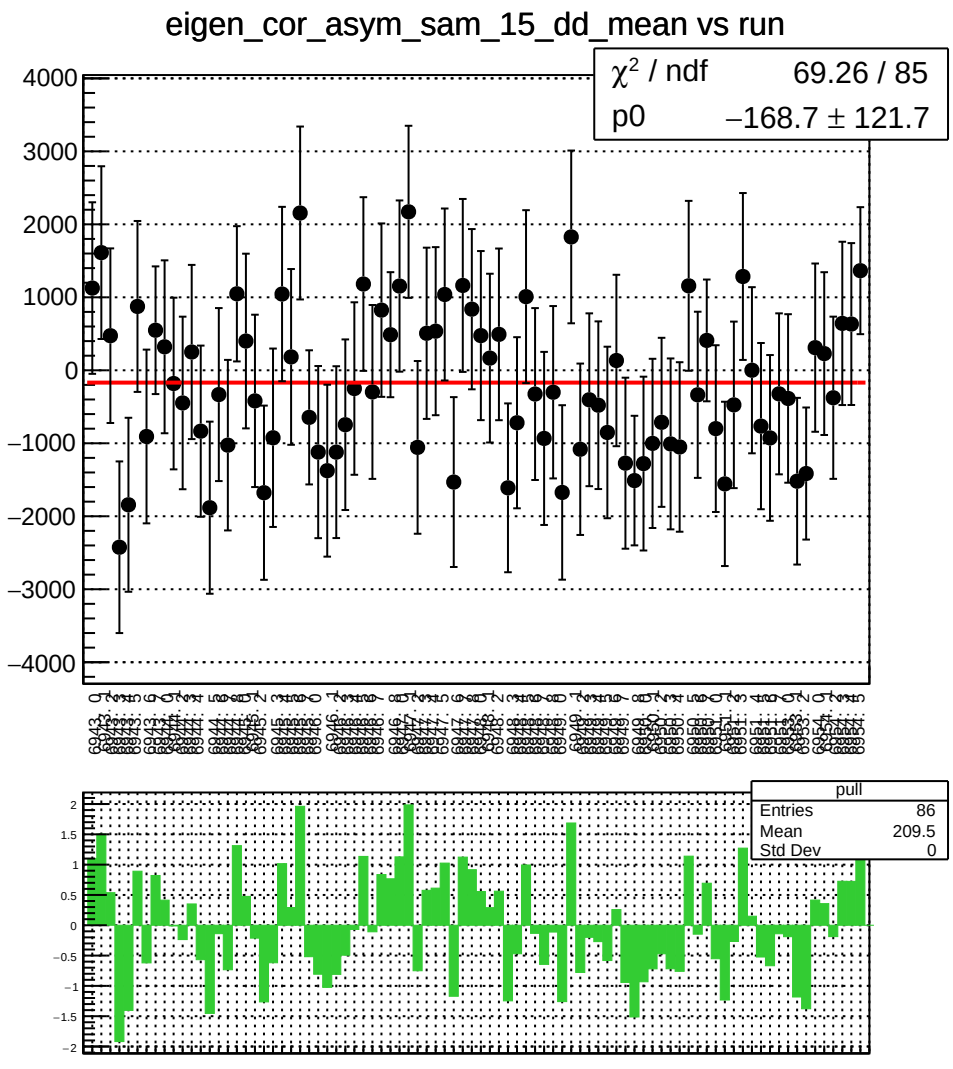

pull1D
Entries 86
Mean −0.008919
Std Dev 0.8974

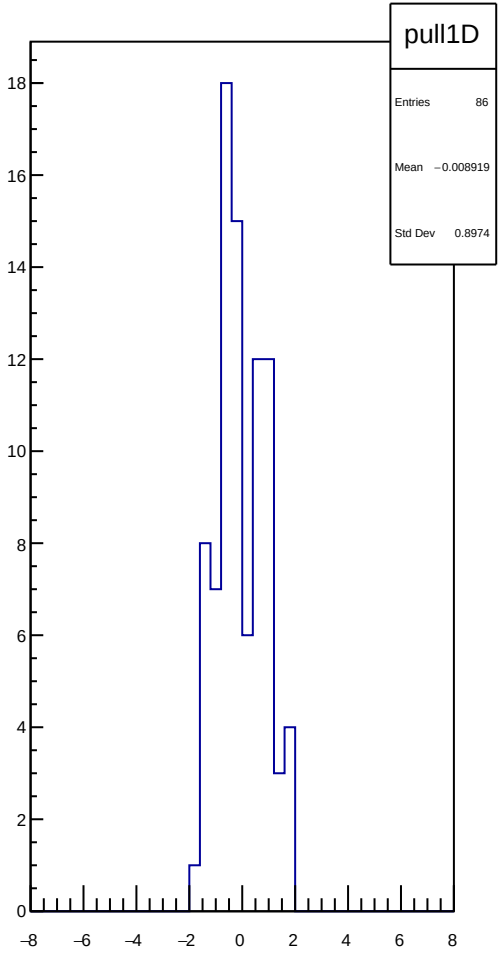

cor_asym_sam_15_dd_rms vs run
χ² / ndf 685.8 / 85
p0 110.7 ± 0.08606
118
116
114
112
110
108
106
104

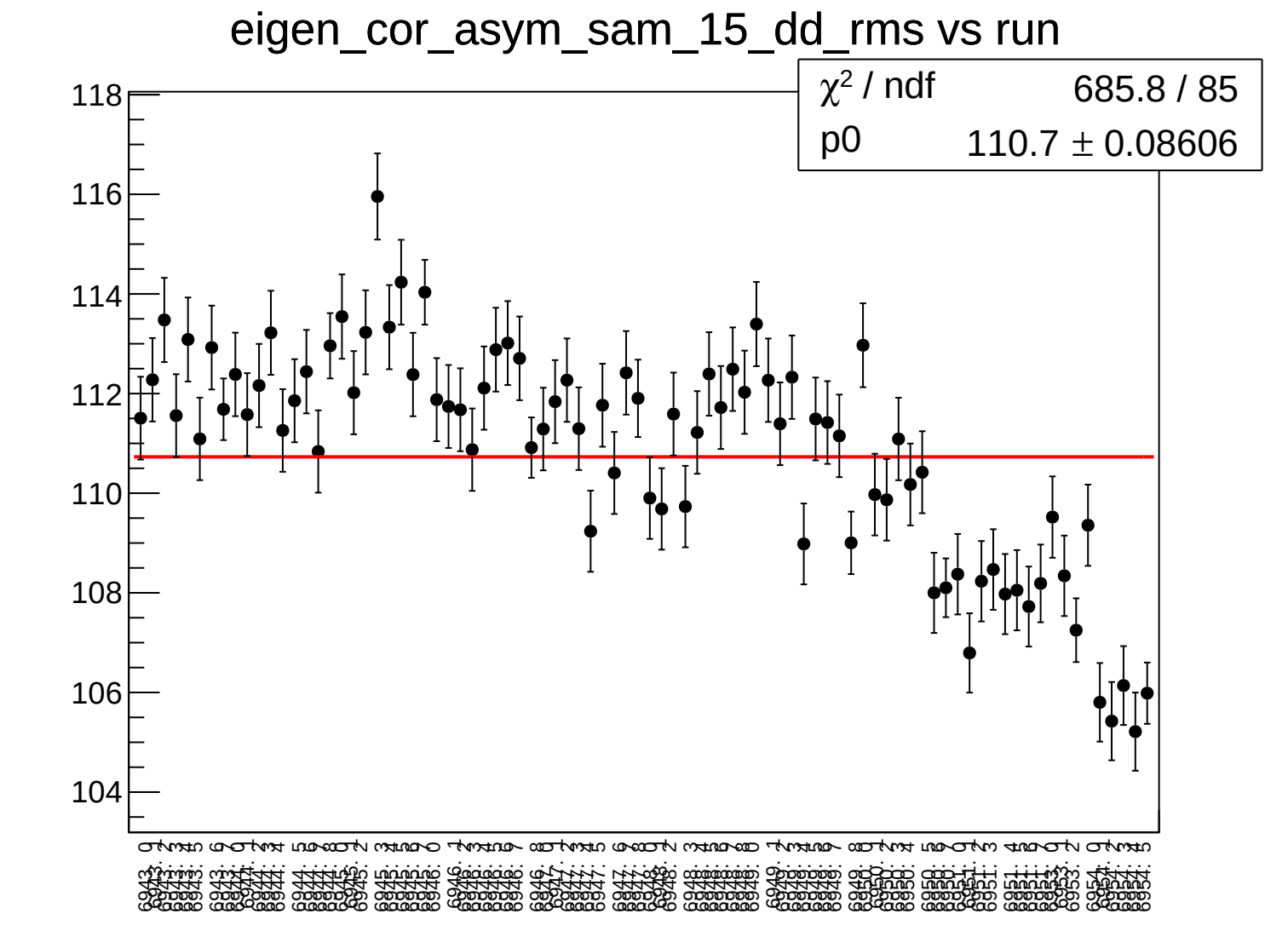

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 86.27 / 85
p0 −503 ± 685.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −44.08
Std Dev 0
3
2
1
0
−1
−2
−3

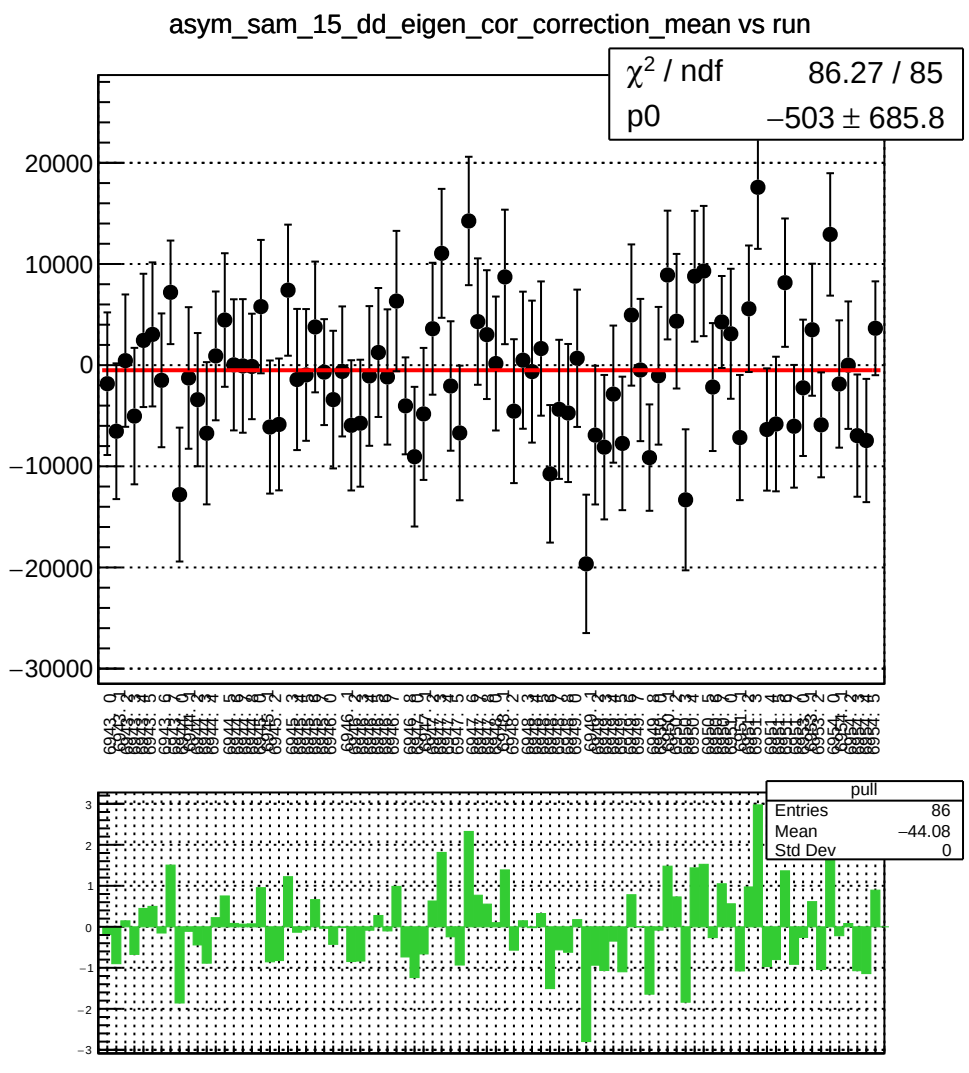

pull1D
Entries 86
Mean −0.01475
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

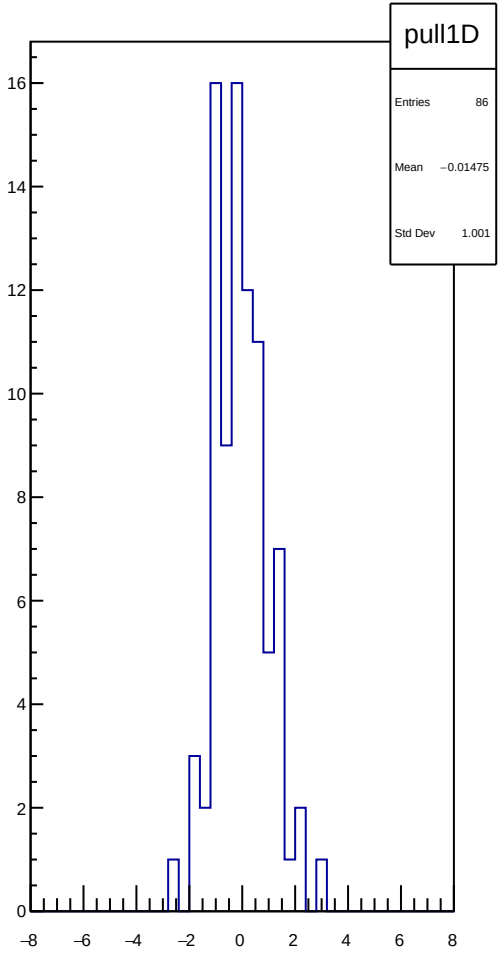

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 3105 / 85
p0 623.4 ± 0.4849
680
660
640
620
600
580
560

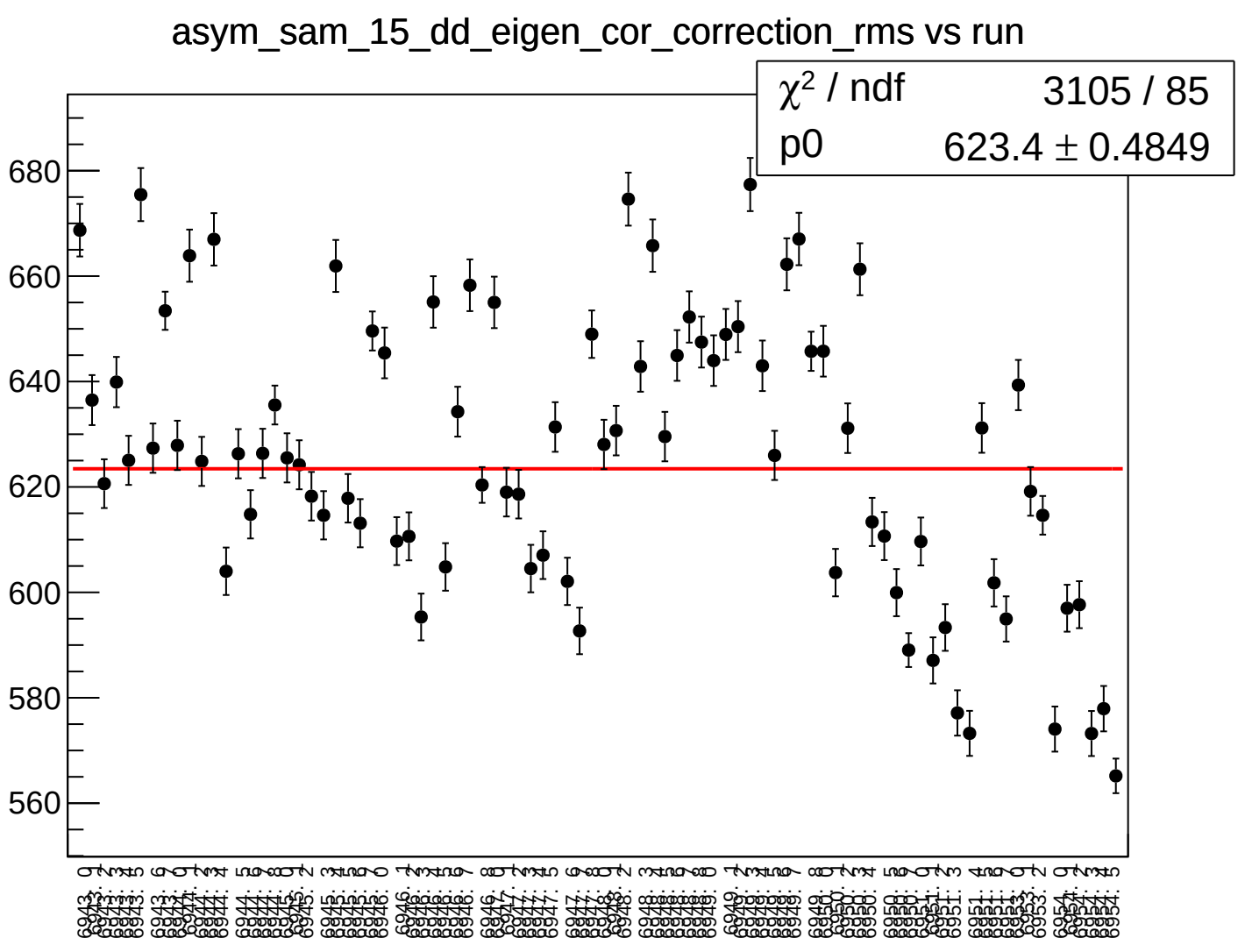

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 69.26 / 85
p0 −168.7 ± 121.7
pull
Entries 86
Mean 209.5
Std Dev 0

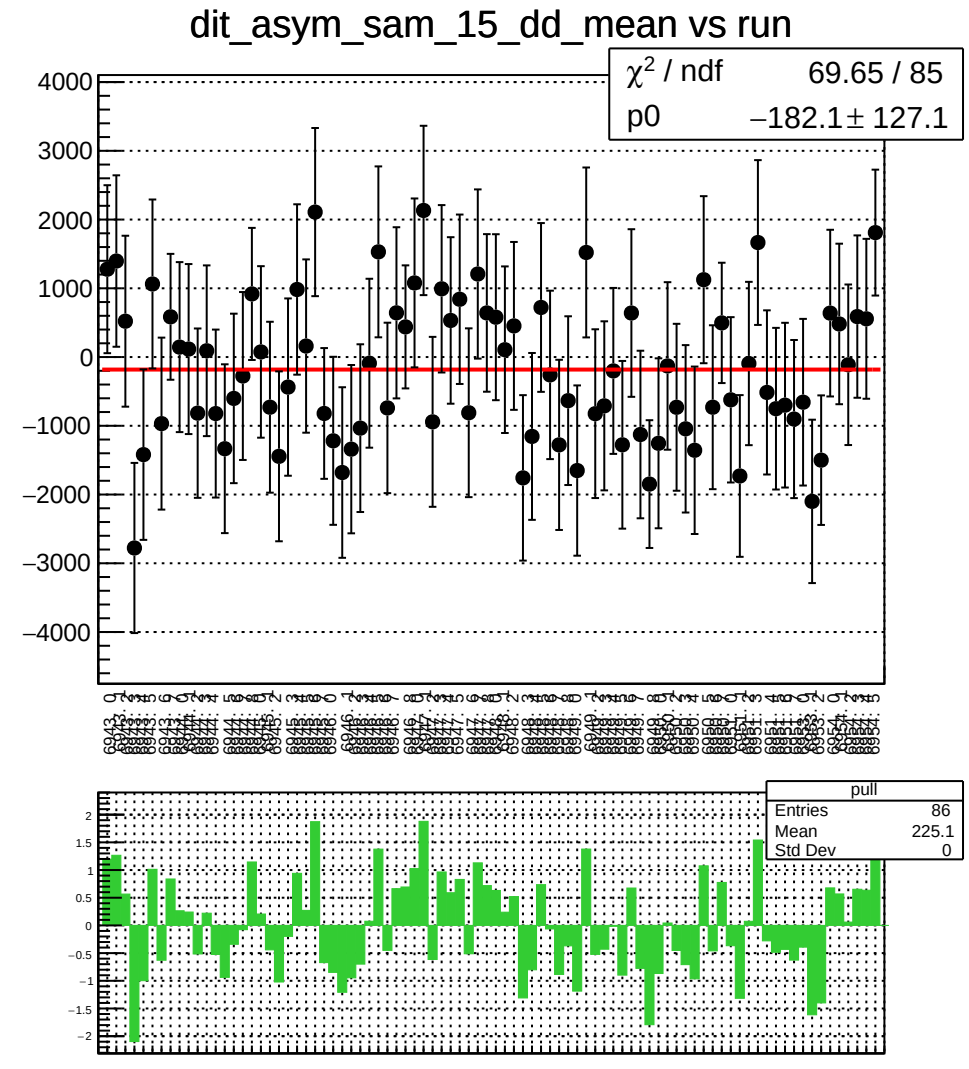

pull1D
Entries 86
Mean −0.008919
Std Dev 0.8974

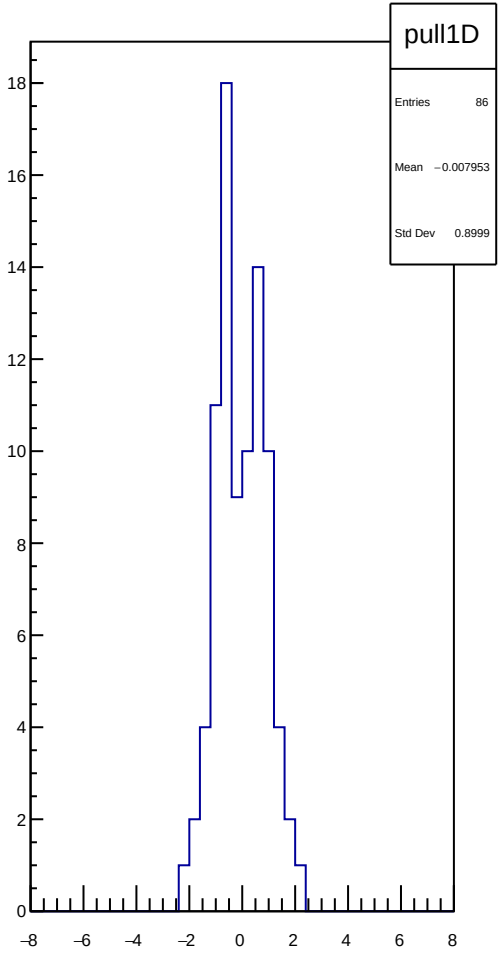

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 685.8 / 85
p0 110.7 ± 0.08606
118
116
114
112
110
108
106
104

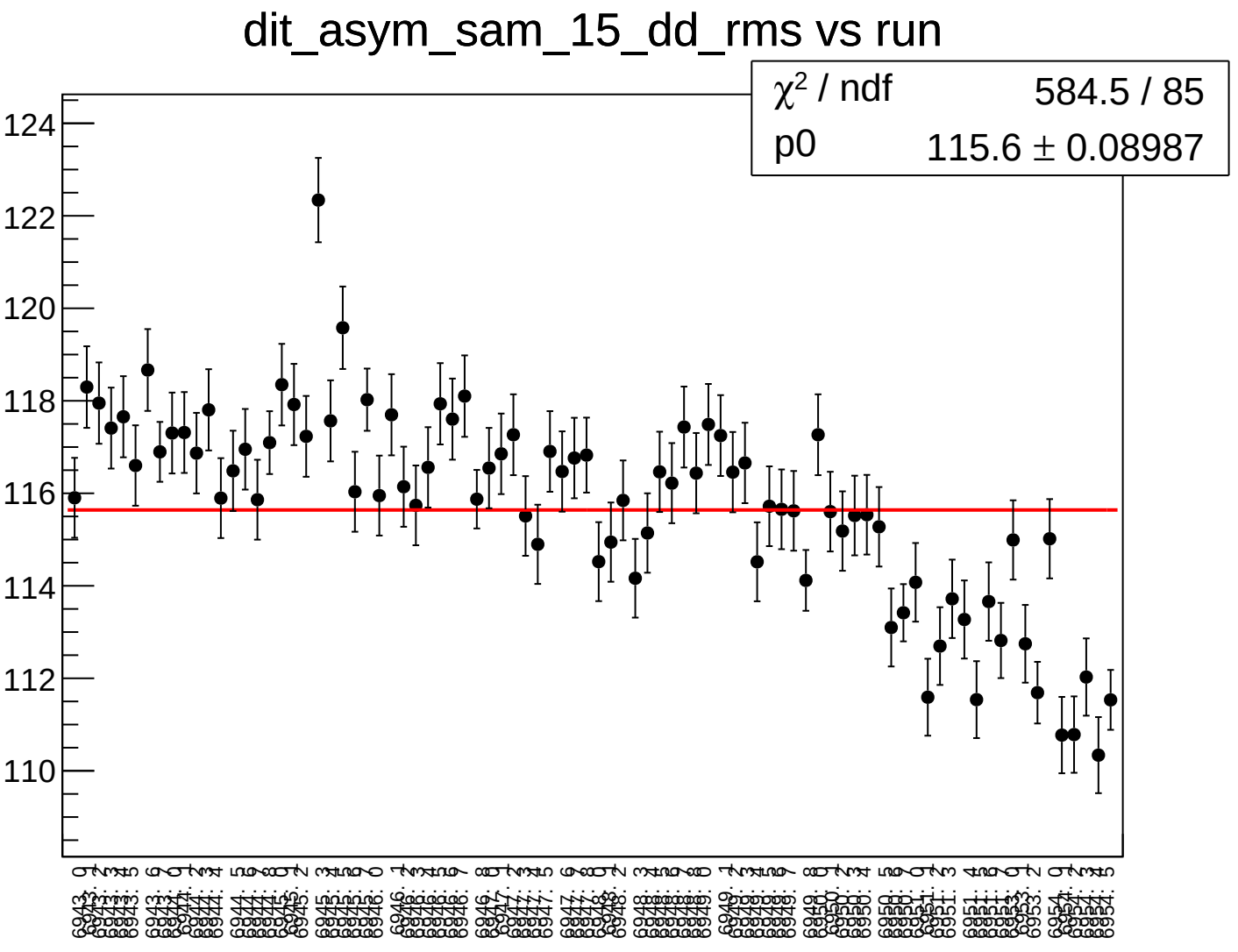

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 86.27 / 85
p0 −503 ± 685.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −44.08
Std Dev 0
3
2
1
0
−1
−2
−3

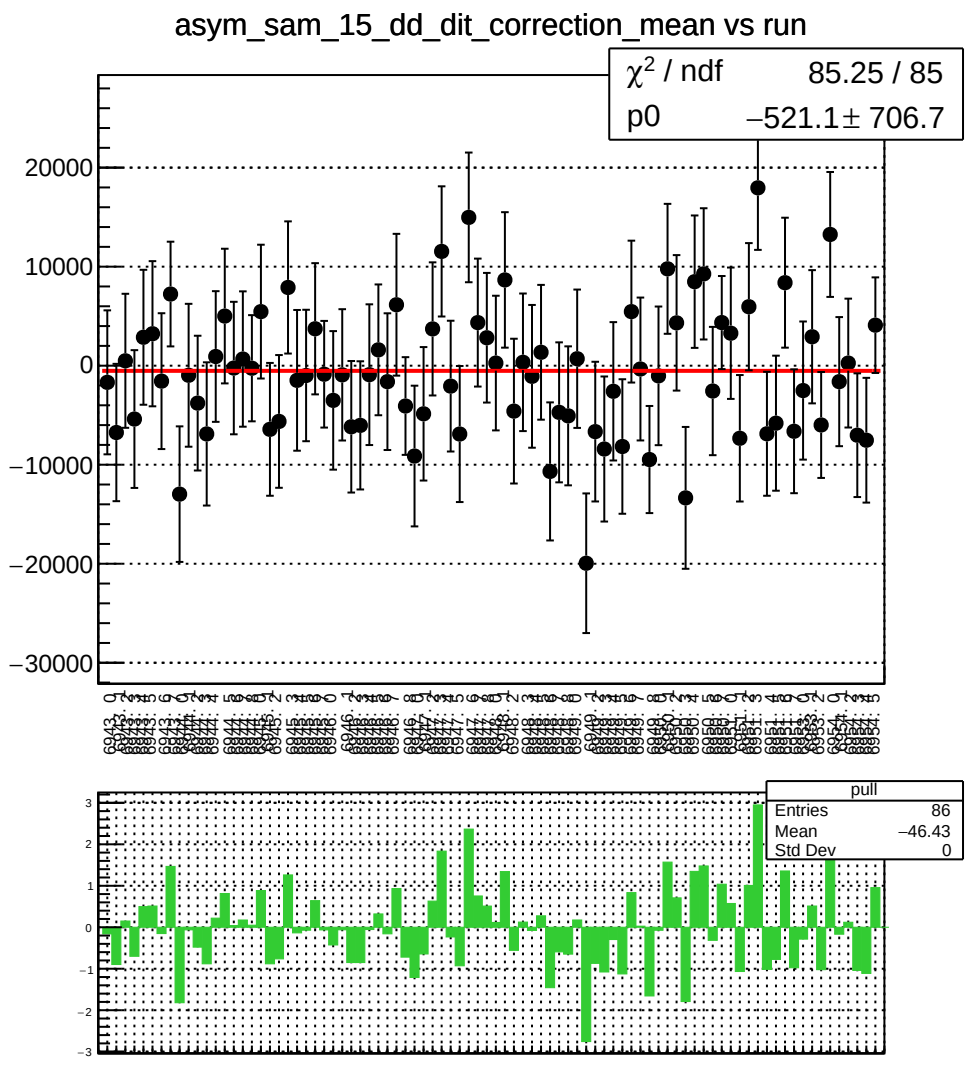

pull1D
Entries 86
Mean −0.01475
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

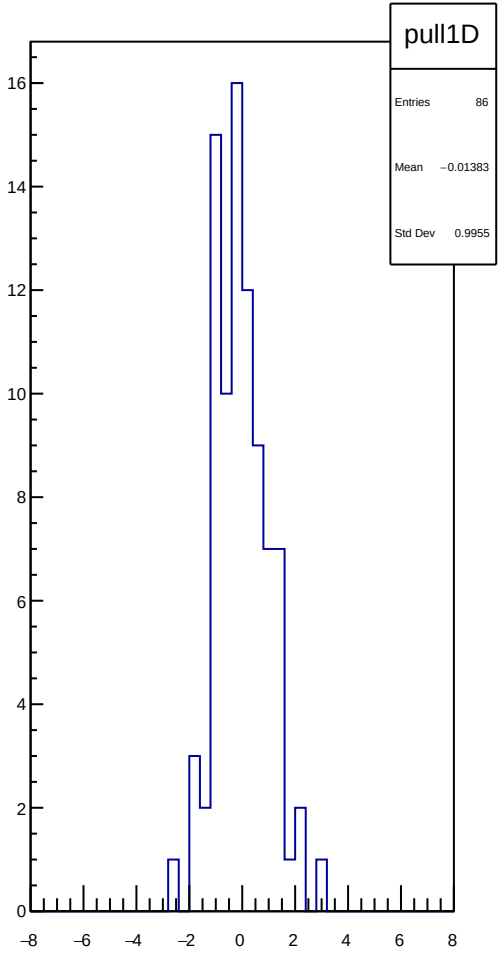

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 3105 / 85
p0 623.4 ± 0.4849
680
660
640
620
600
580
560

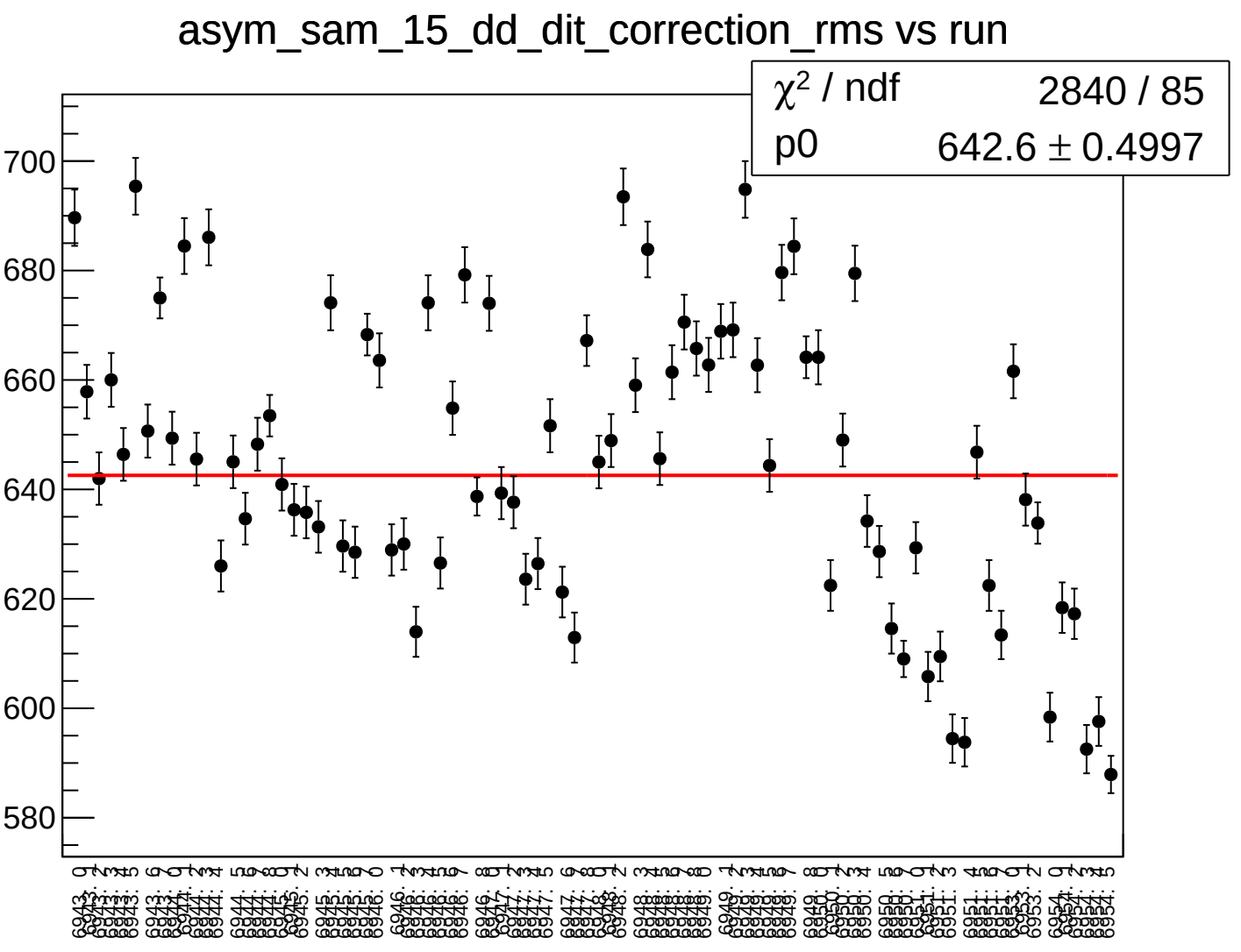

dit_asym_sam_15_dd_mean vs run
χ² / ndf 69.65 / 85
p0 −182.1± 127.1
pull
Entries 86
Mean 225.1
Std Dev 0

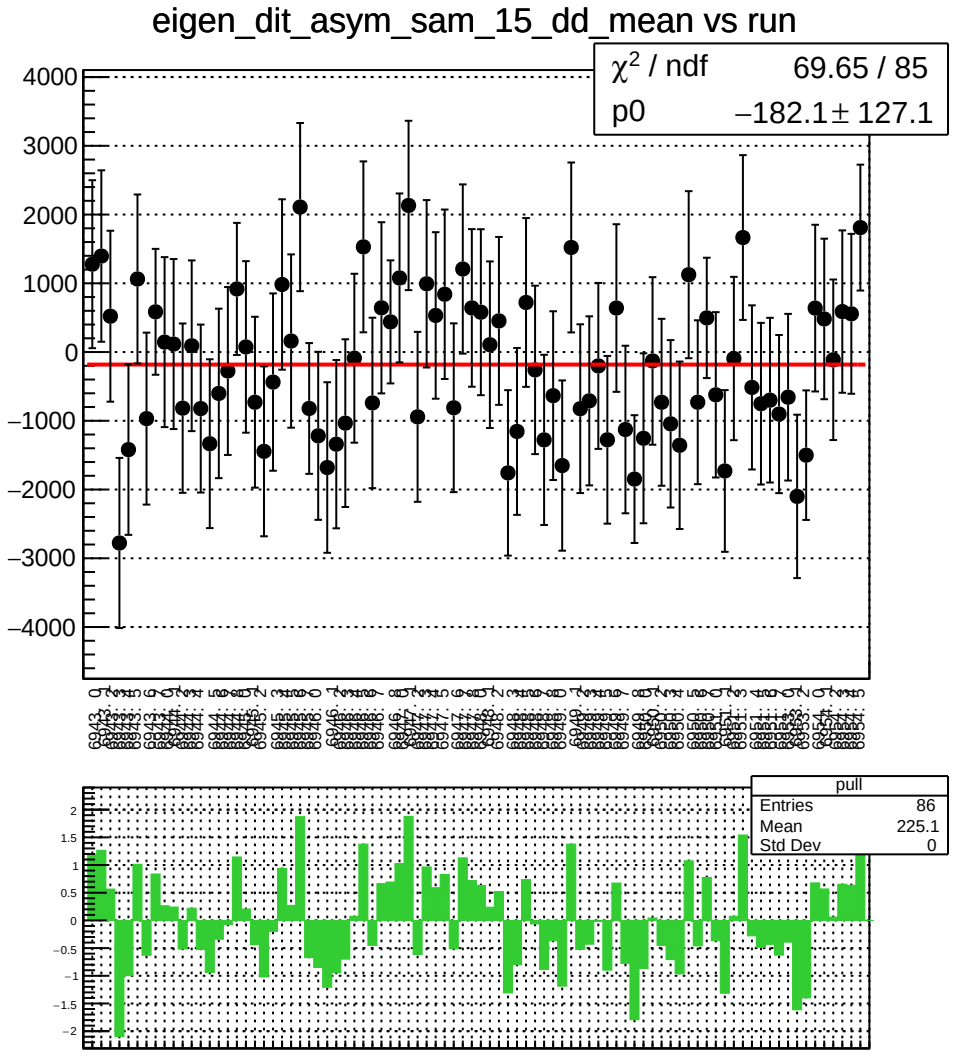

pull1D
Entries 86
Mean −0.007953
Std Dev 0.8999

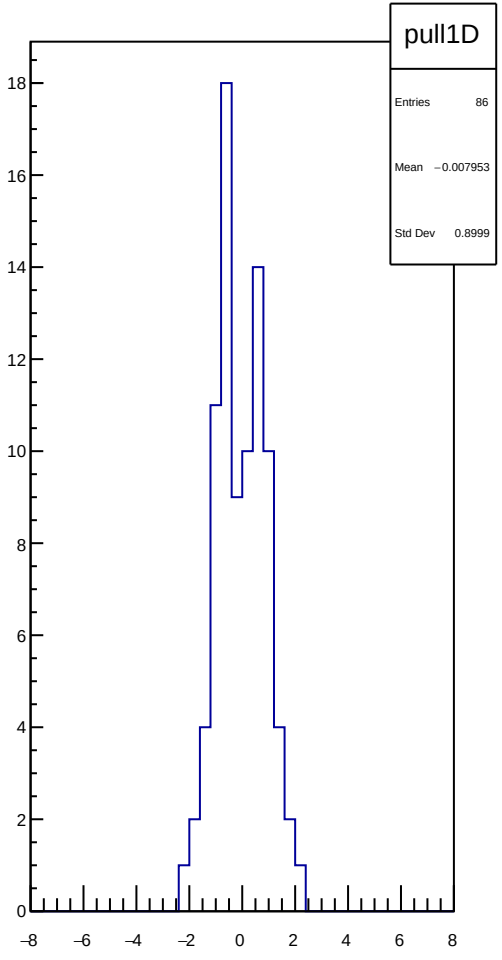

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 584.5 / 85
p0 115.6 ± 0.08987
124
122
120
118
116
114
112
110

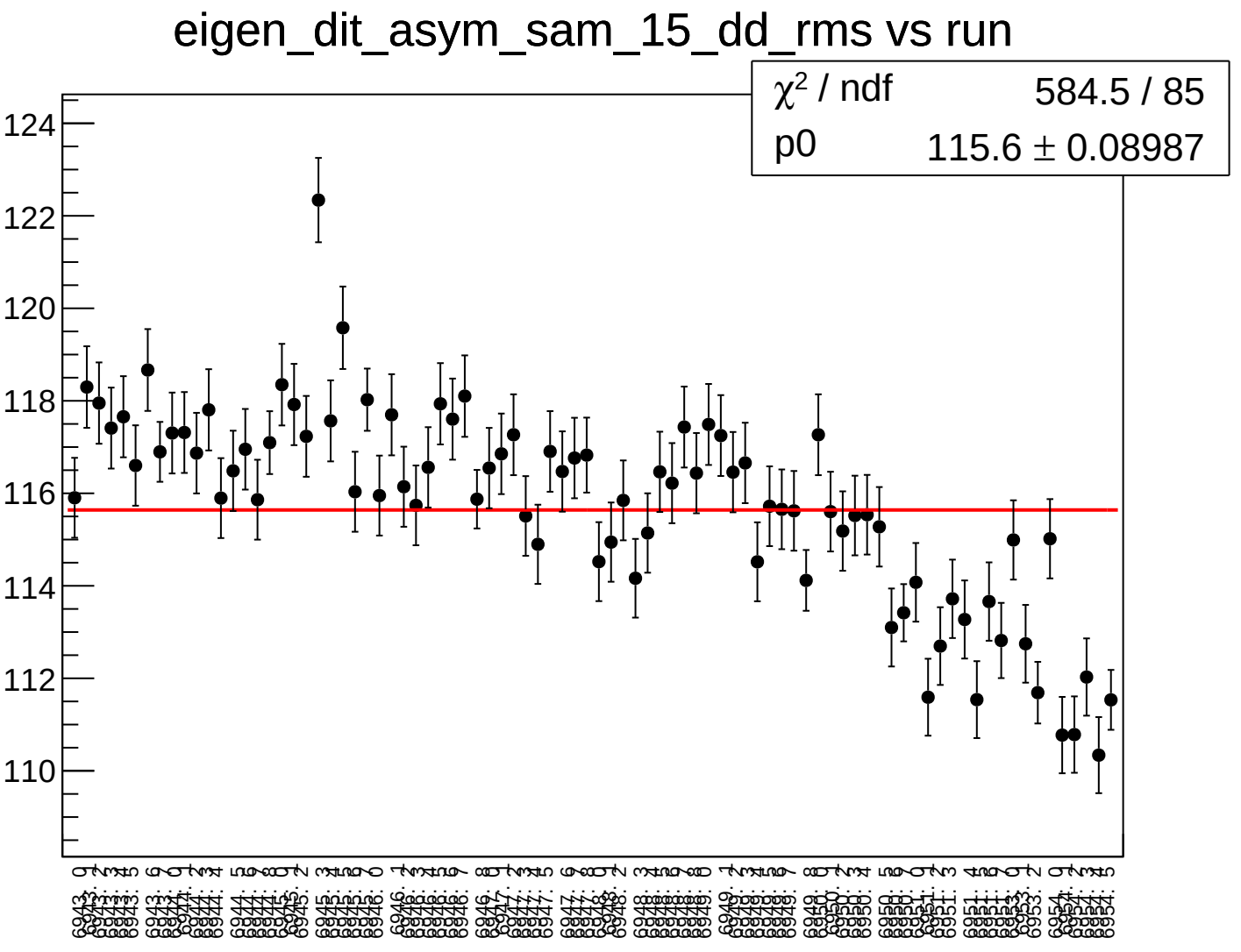

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 85.25 / 85
p0 −521.1± 706.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −46.43
Std Dev 0
3
2
1
0
−1
−2
−3

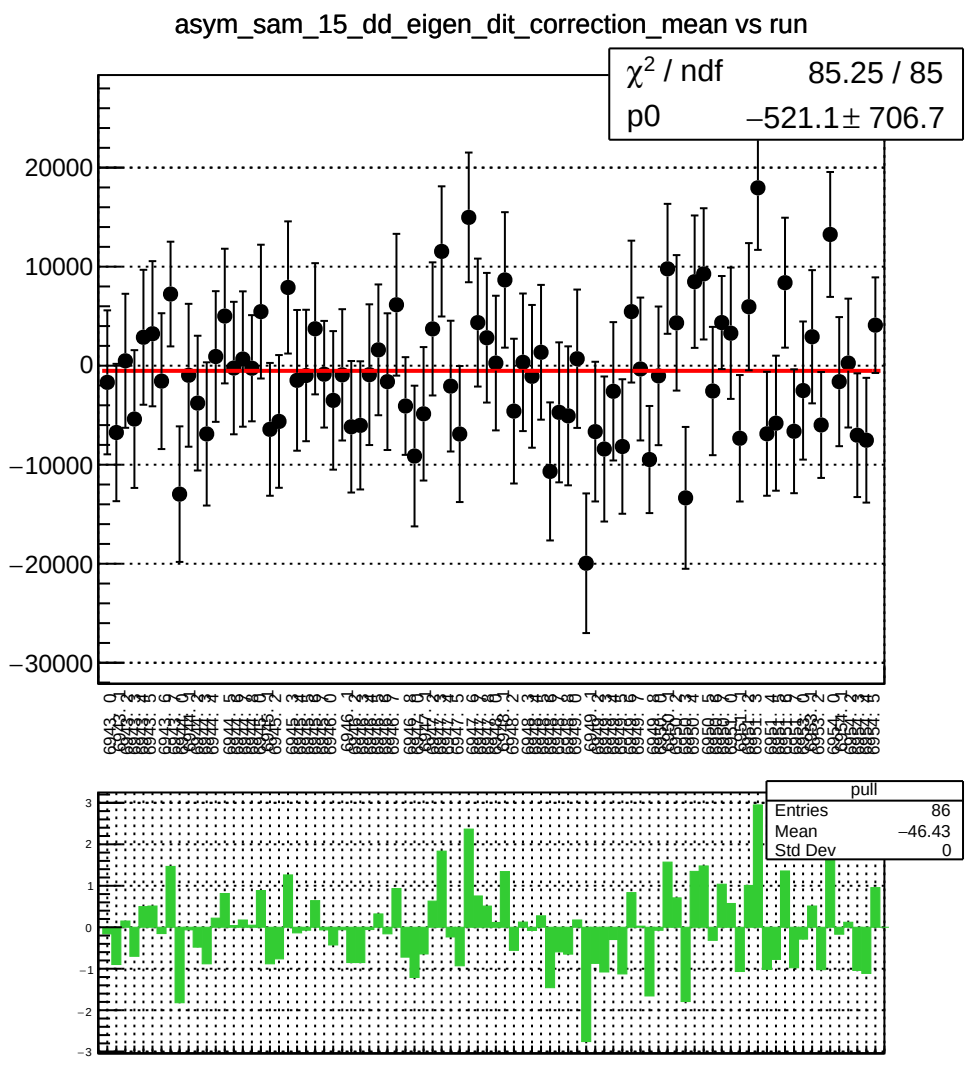

pull1D
Entries 86
Mean −0.01383
Std Dev 0.9955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

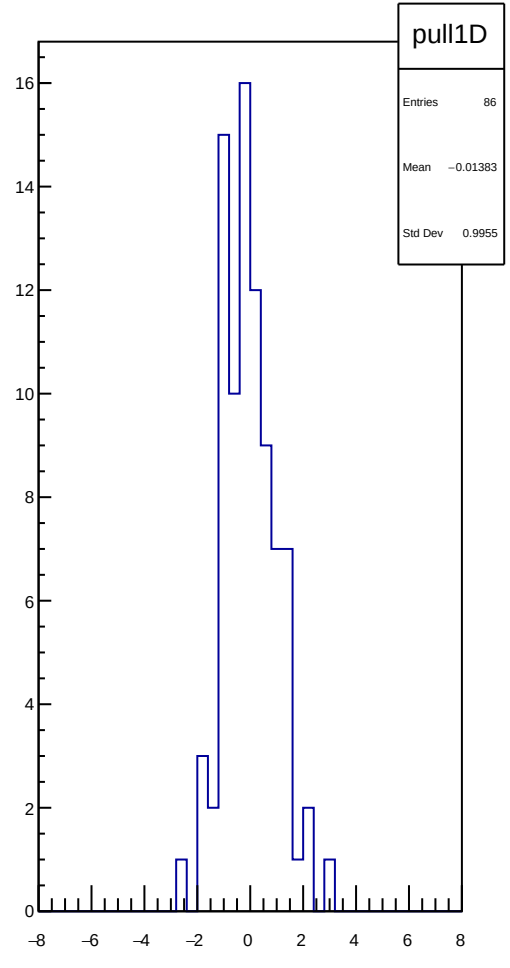

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 2840 / 85
p0 642.6 ± 0.4997
700
680
660
640
620
600
580

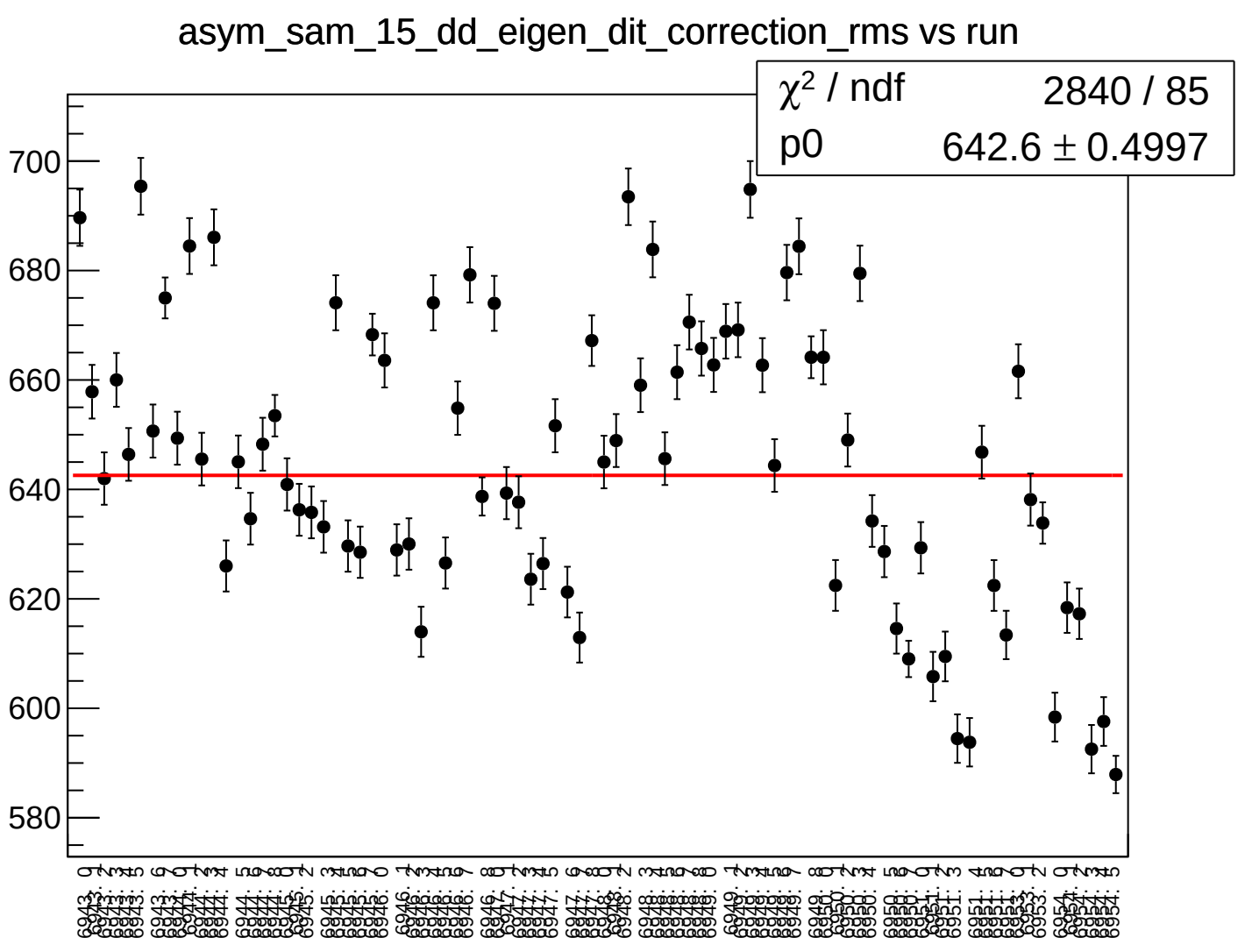

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 69.65 / 85
p0 −182.1± 127.1
pull
Entries 86
Mean 225.1
Std Dev 0

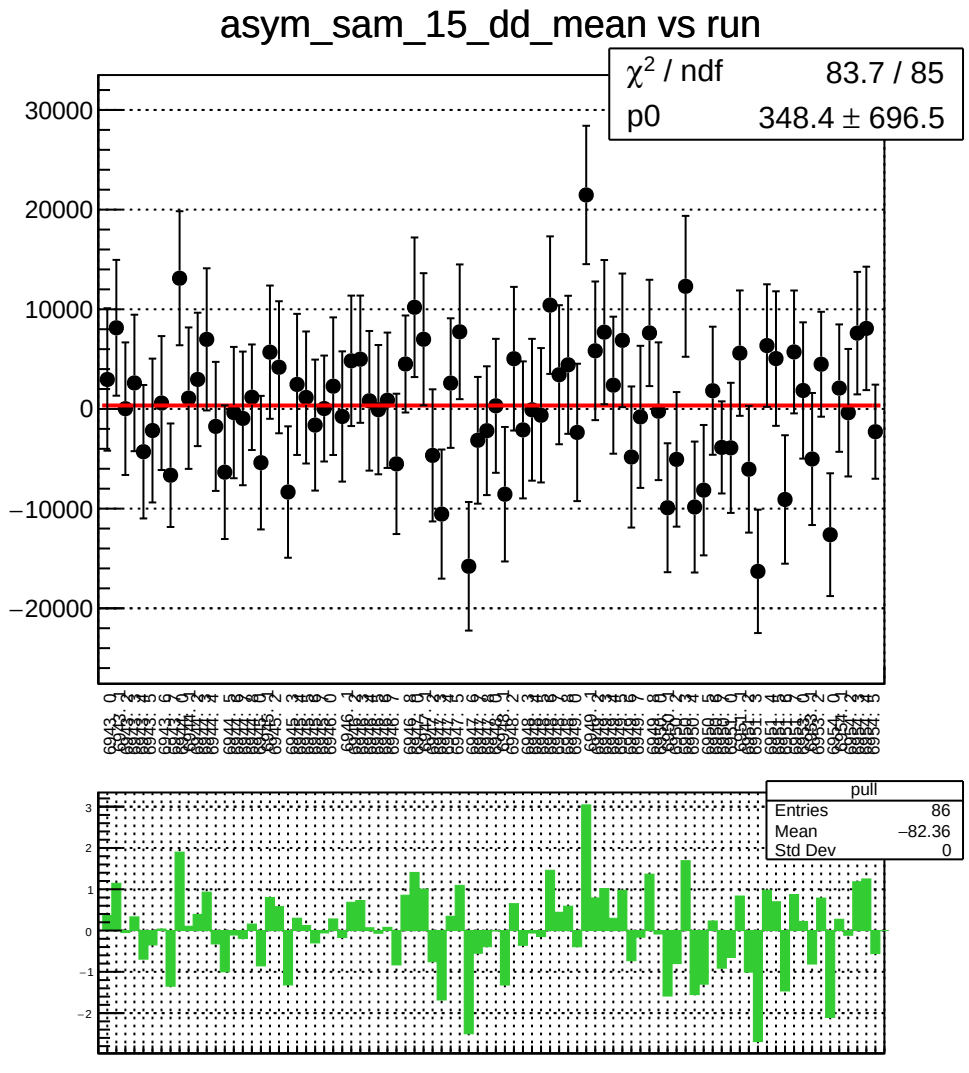

pull1D
Entries 86
Mean −0.007953
Std Dev 0.8999

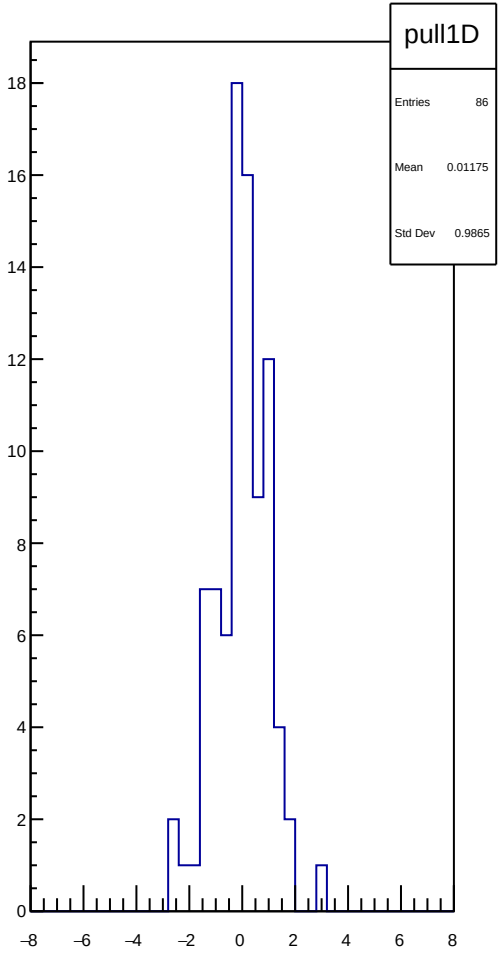

eigen_dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 584.5 / 85
p0 115.6 ± 0.08987
124
122
120
118
116
114
112
110

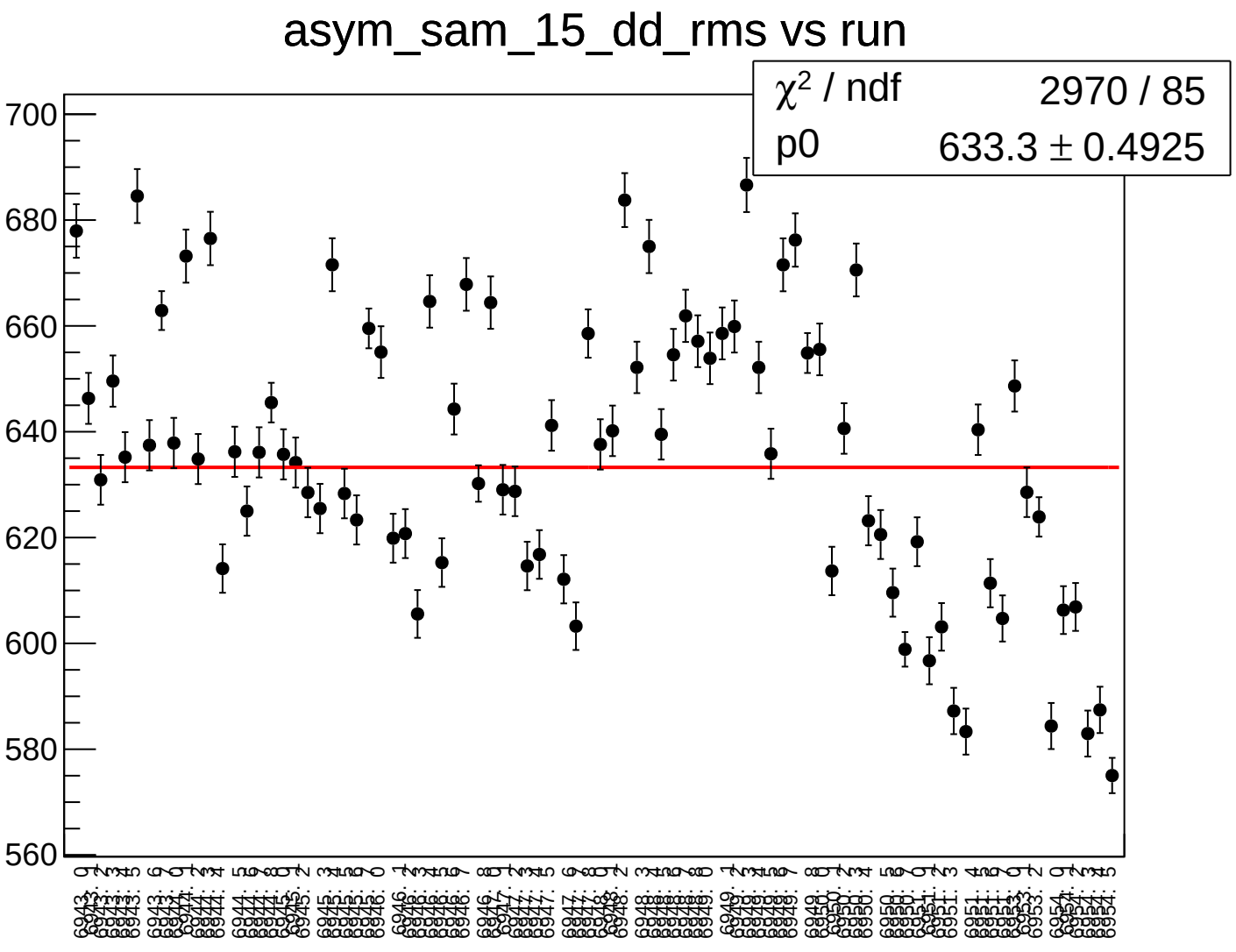

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.25 / 85
p0 −521.1± 706.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −46.43
Std Dev 0
3
2
1
0
−1
−2
−3

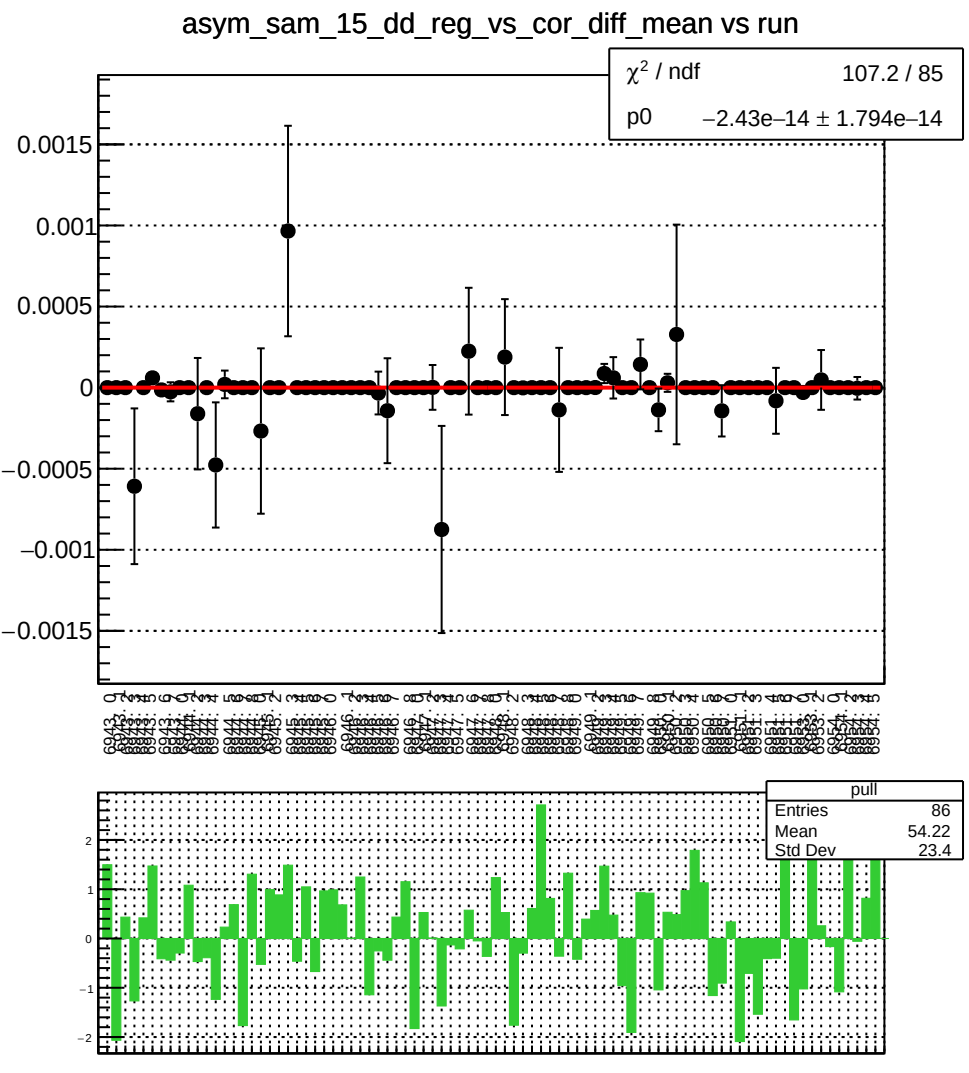

pull1D
Entries 86
Mean −0.01383
Std Dev 0.9955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

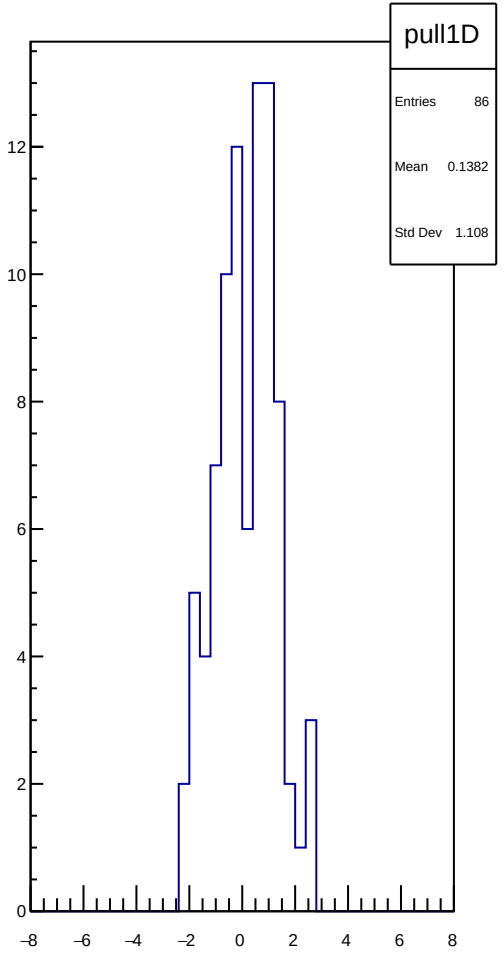

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 2840 / 85
p0 642.6 ± 0.4997
700
680
660
640
620
600
580

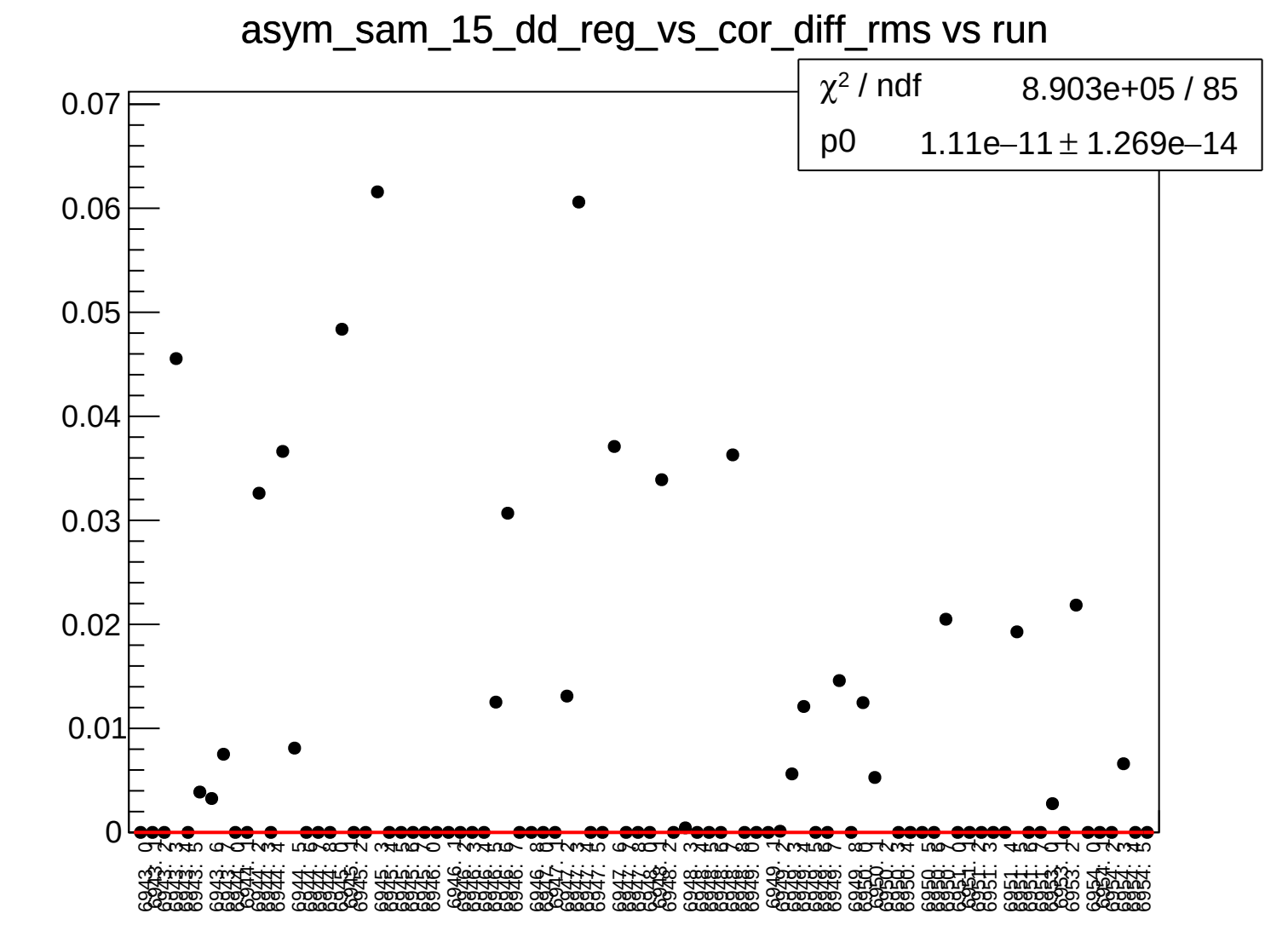

asym_sam_15_dd_mean vs run
χ^2 / ndf 83.7 / 85
p0 348.4 ± 696.5
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −82.36
Std Dev 0
3
2
1
0
−1
−2

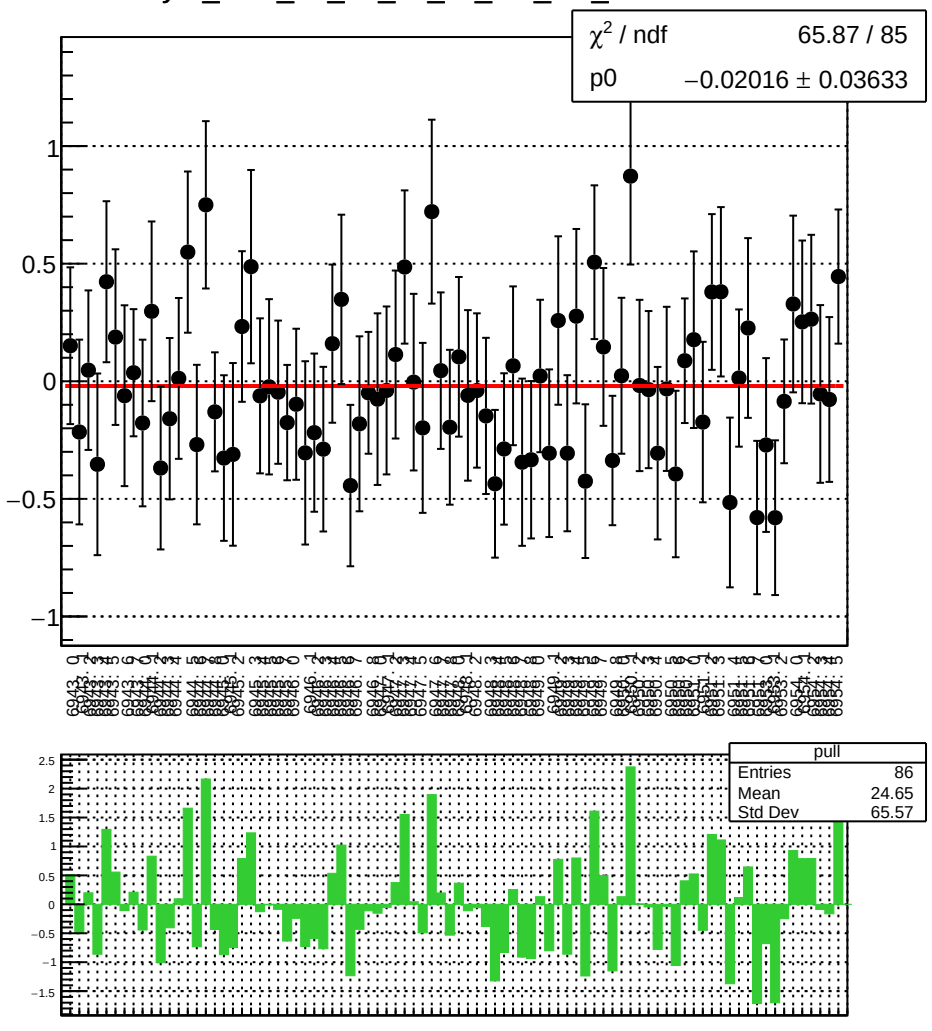

pull1D
Entries 86
Mean 0.01175
Std Dev 0.9865
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

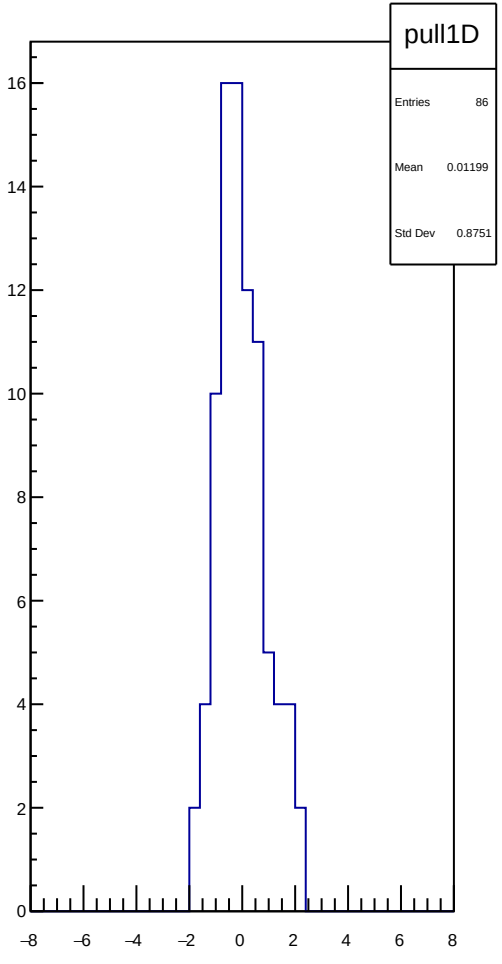

asym_sam_15_dd_rms vs run
χ² / ndf 2970 / 85
p0 633.3 ± 0.4925
700
680
660
640
620
600
580
560

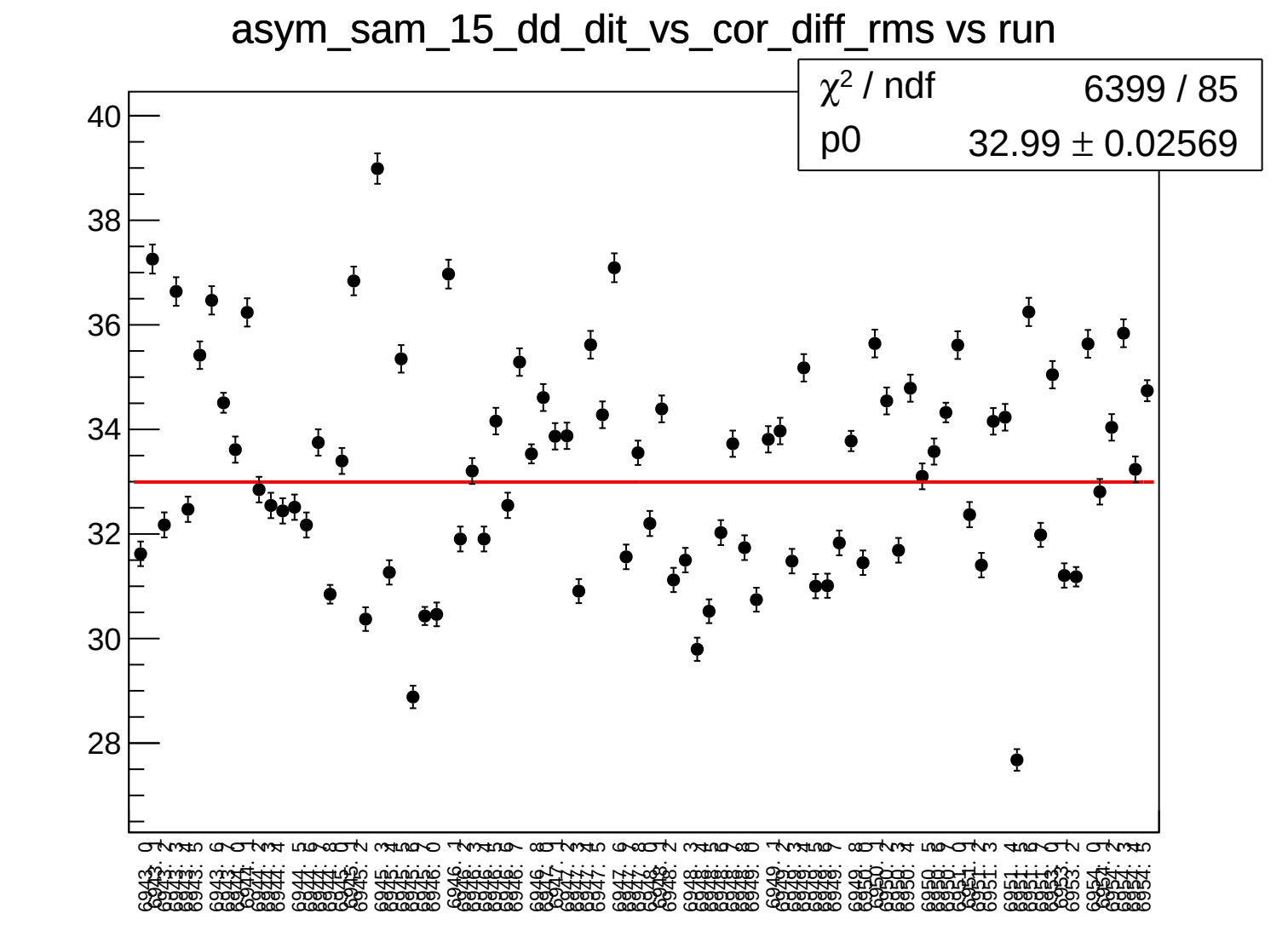

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 107.2 / 85
p0 −2.43e−14 ± 1.794e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 86
Mean 54.22
Std Dev 23.4
2
1
0
−1
−2

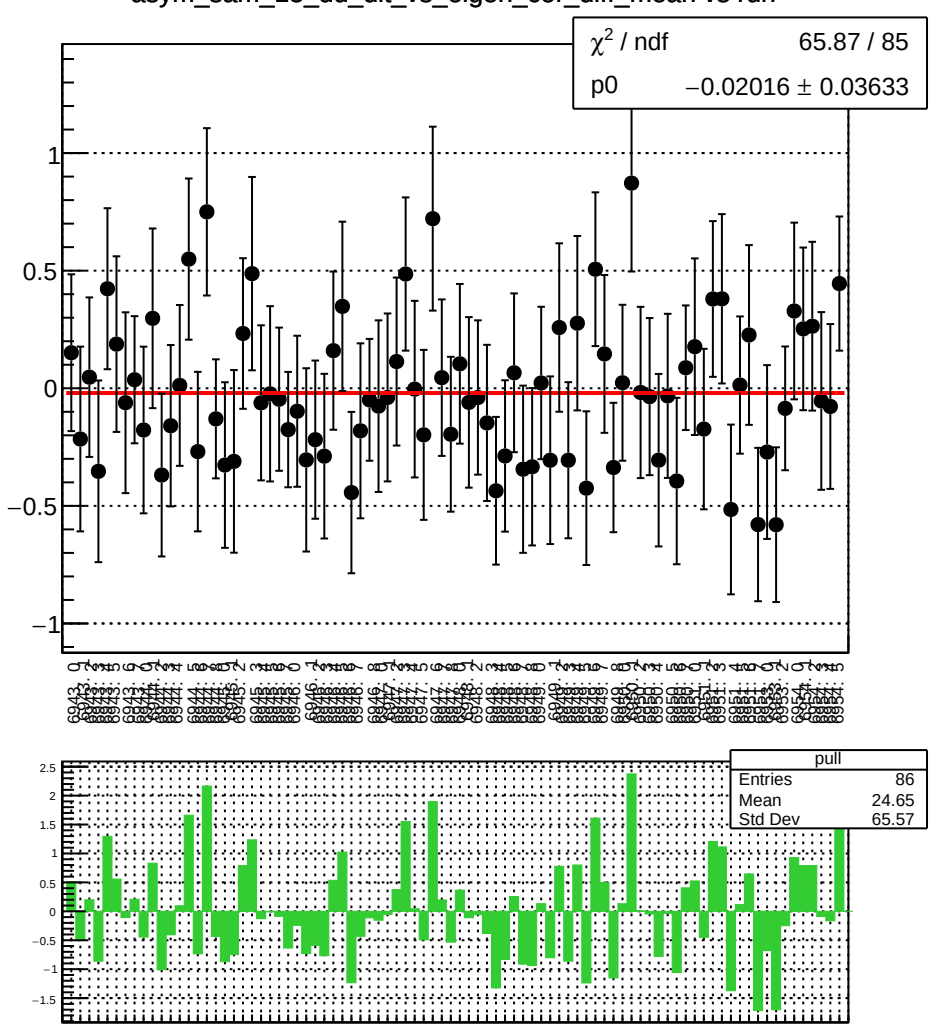

pull1D
Entries 86
Mean 0.1382
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

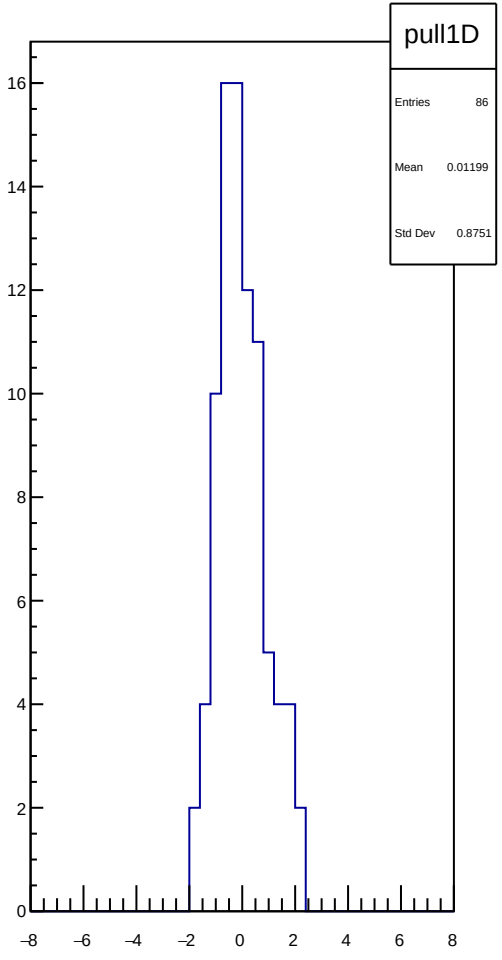

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.903e+05 / 85
p0 1.11e−11 ± 1.269e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

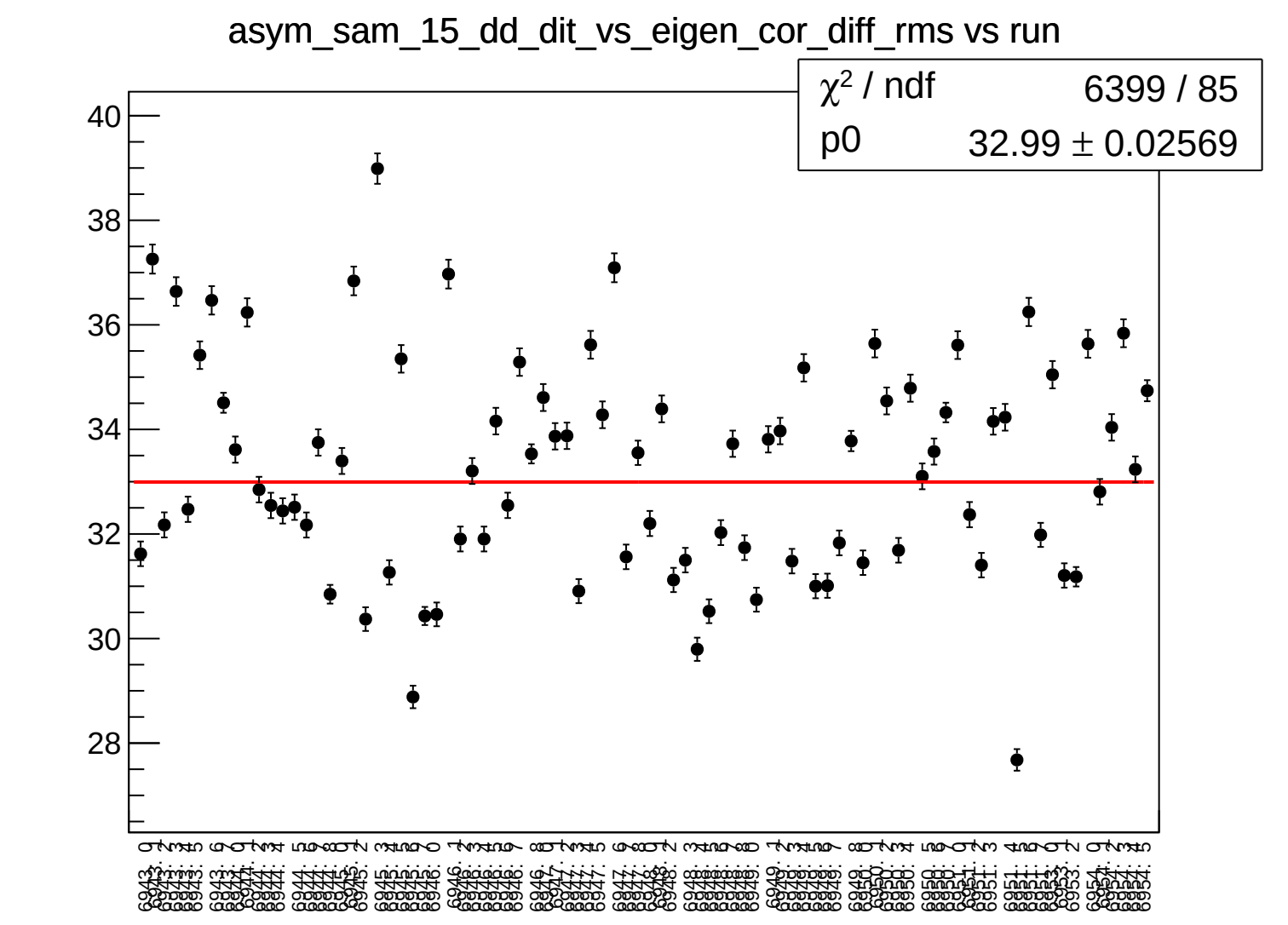

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.87 / 85
p0 −0.02016 ± 0.03633
pull
Entries 86
Mean 24.65
Std Dev 65.57

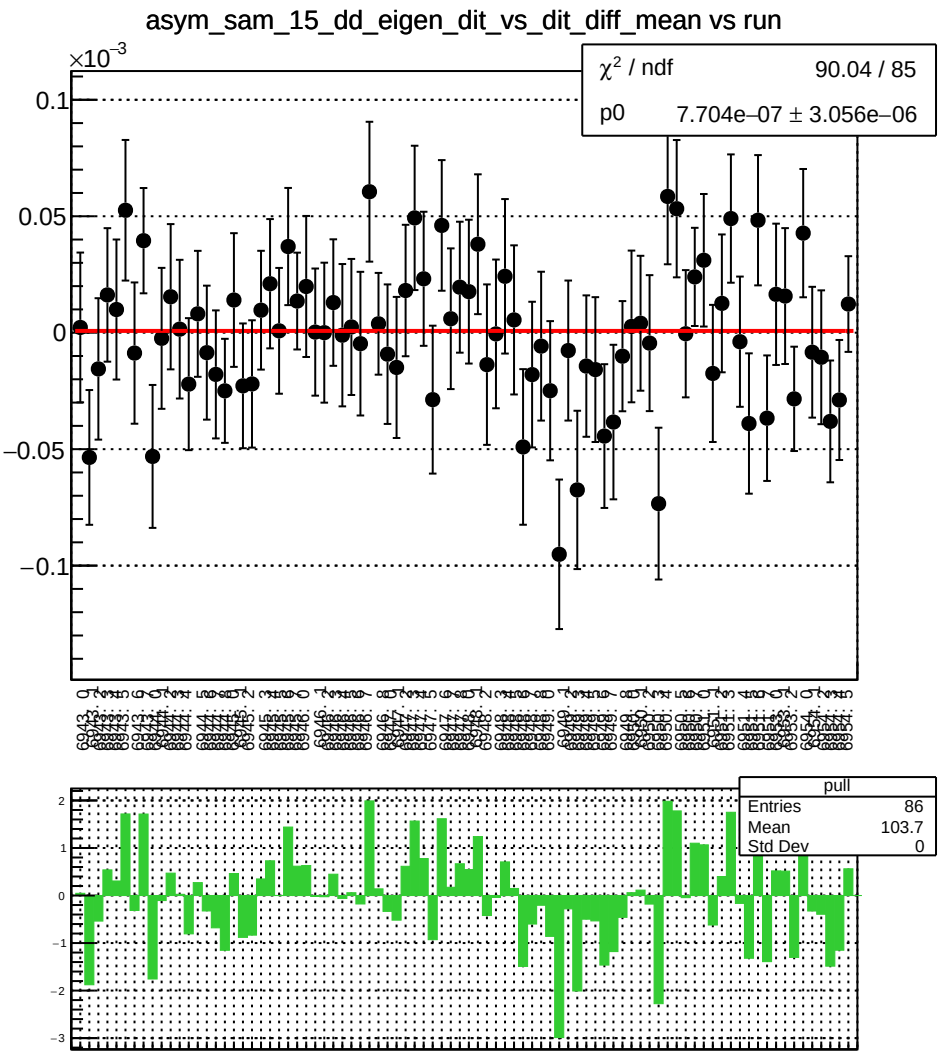

pull1D
Entries 86
Mean 0.01199
Std Dev 0.8751

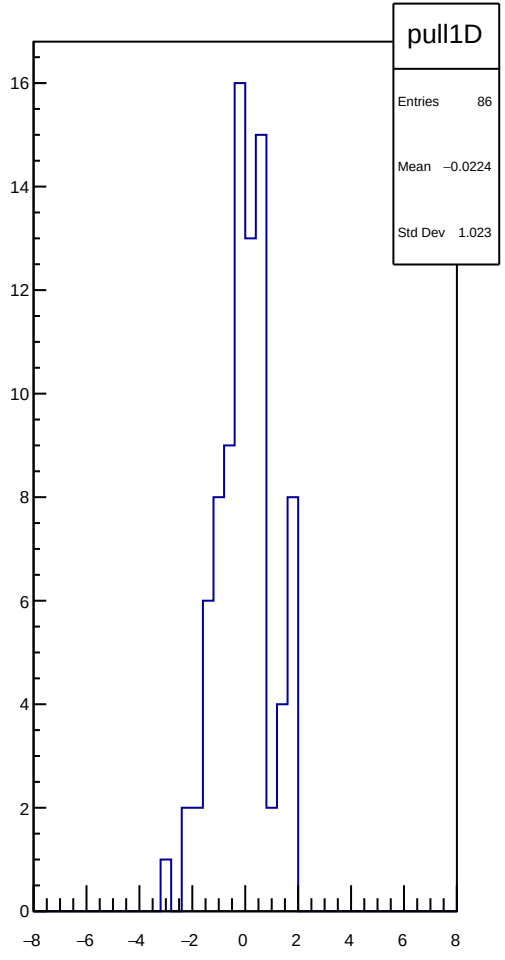

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6399 / 85
p0 32.99 ± 0.02569
40
38
36
34
32
30
28

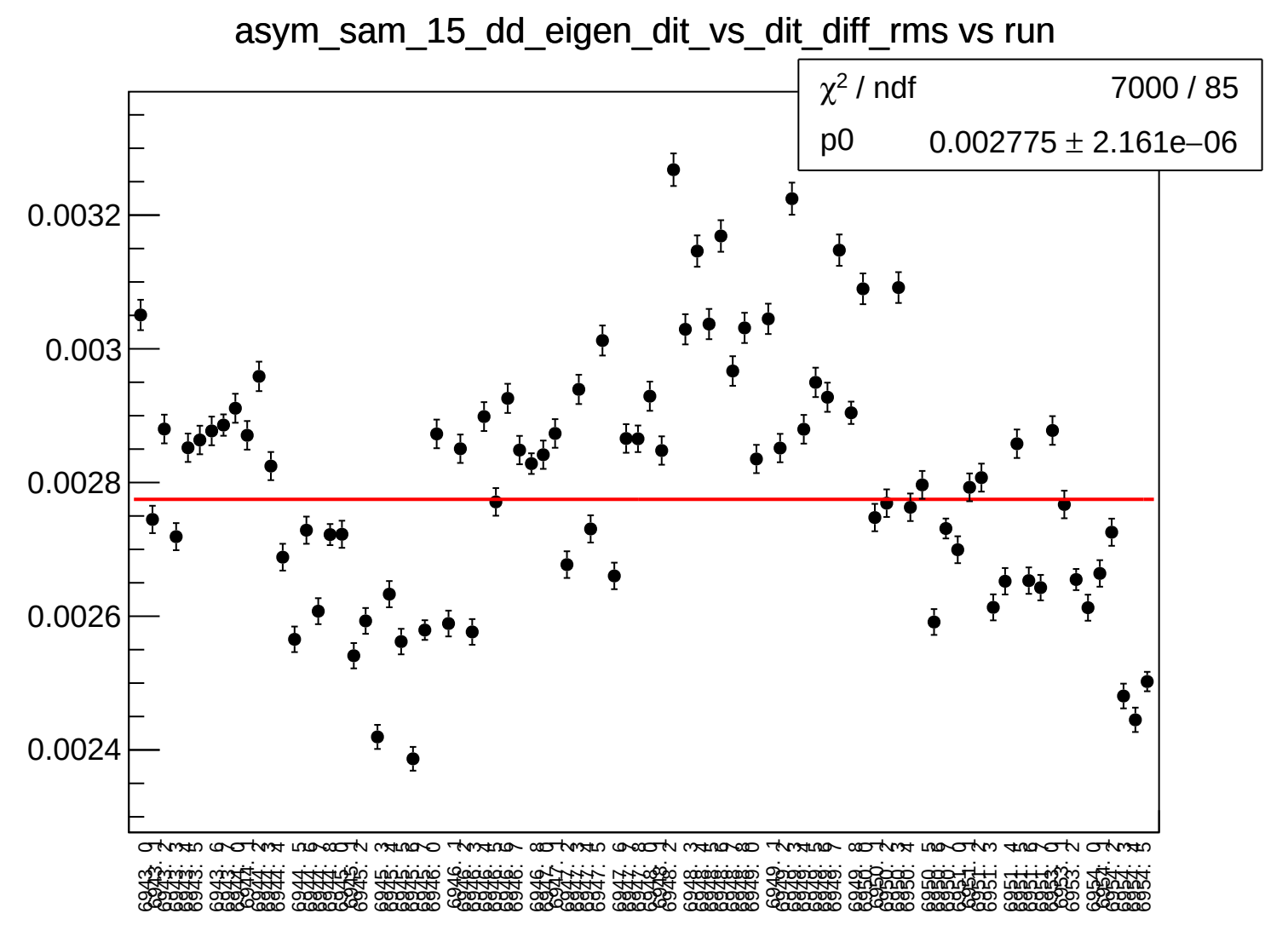

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.87 / 85
p0 −0.02016 ± 0.03633
pull
Entries 86
Mean 24.65
Std Dev 65.57

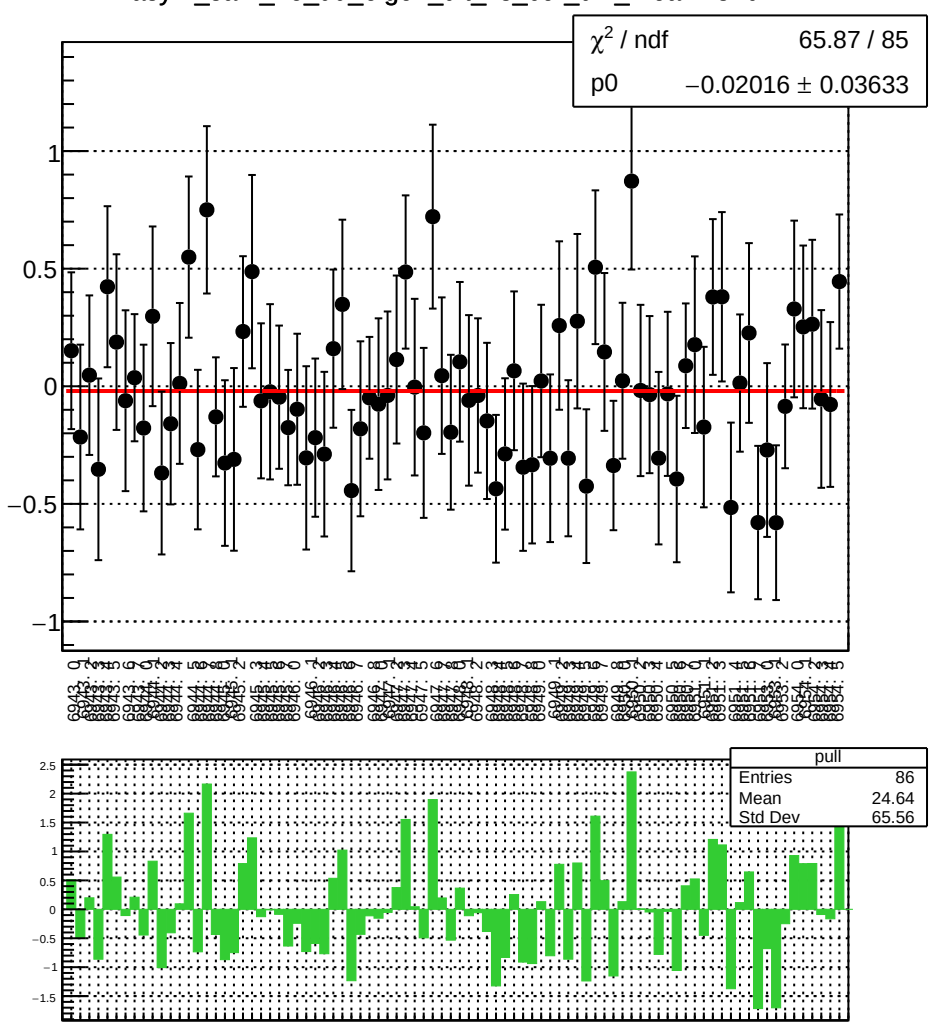

pull1D
Entries 86
Mean 0.01199
Std Dev 0.8751

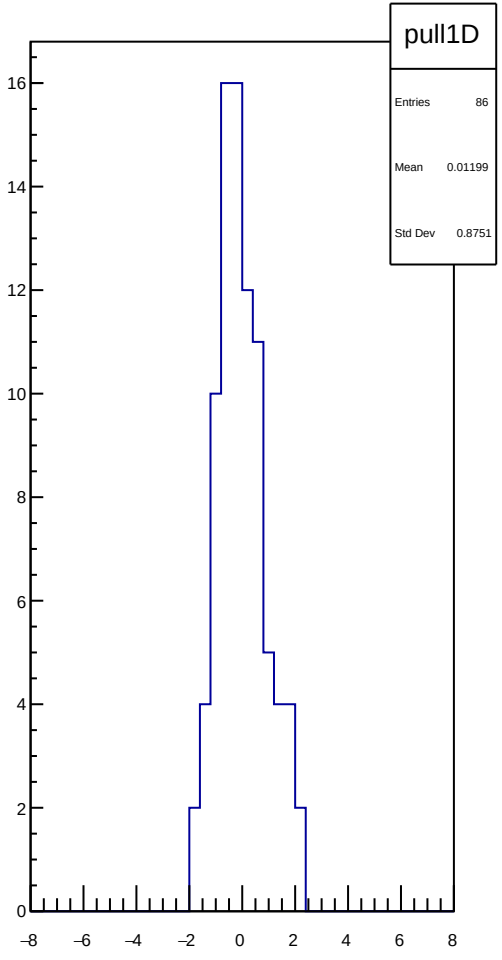

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6399 / 85
p0 32.99 ± 0.02569
40
38
36
34
32
30
28

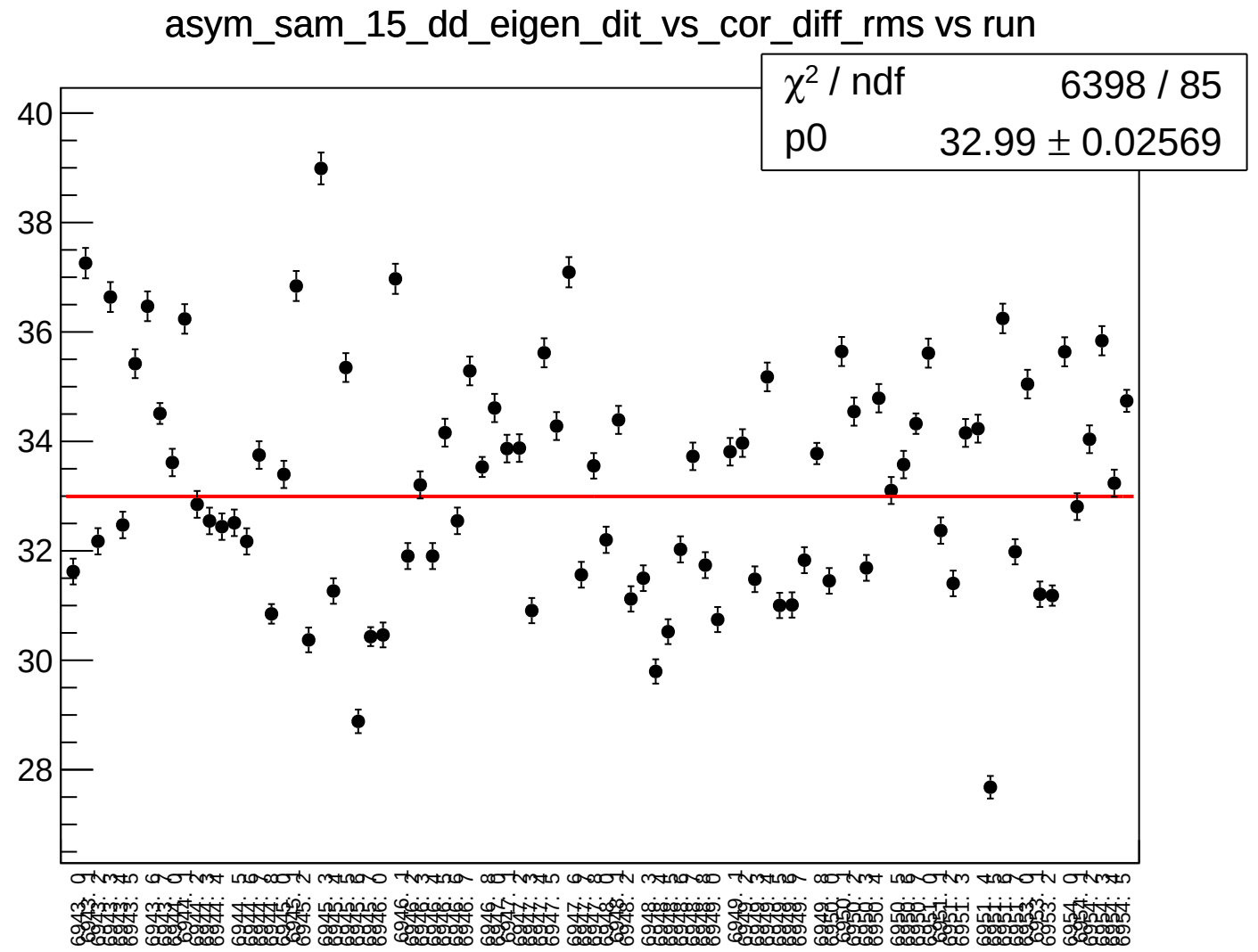

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 90.04 / 85
p0 7.704e−07 ± 3.056e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 103.7
Std Dev 0
2
1
0
−1
−2
−3

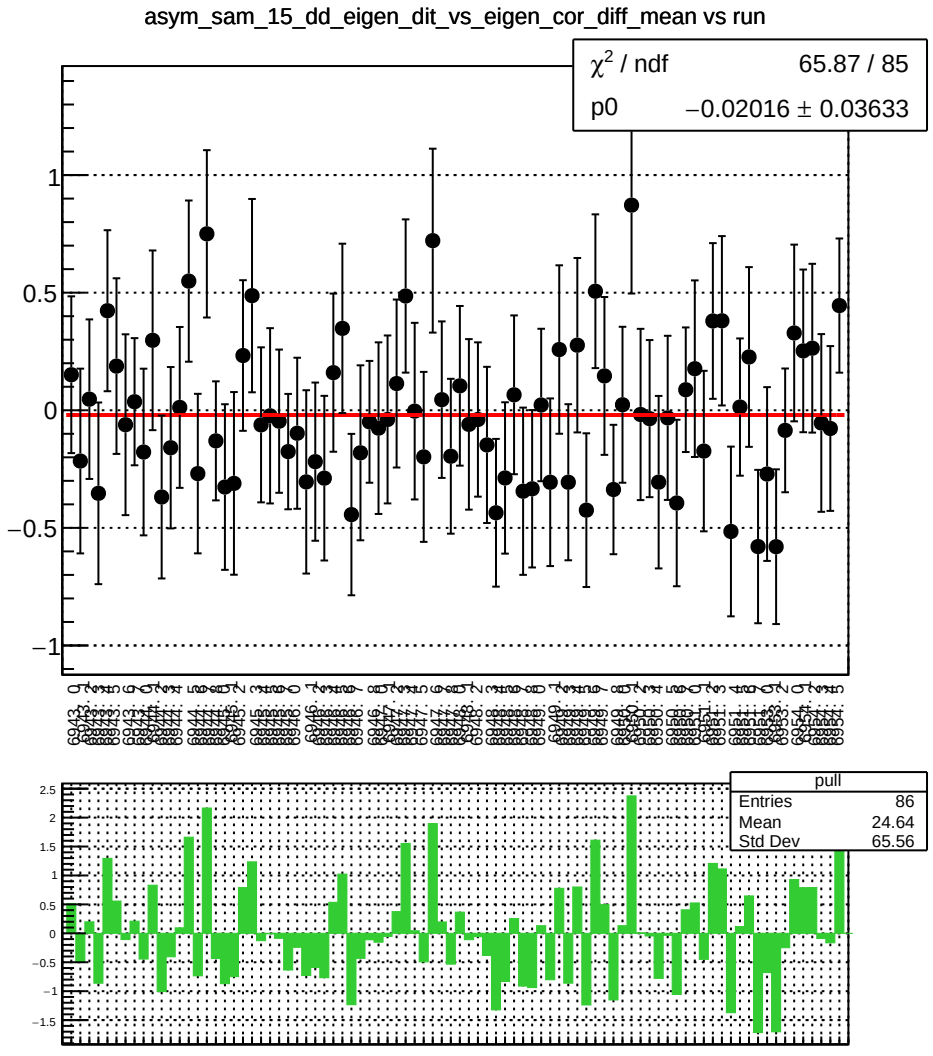

pull1D
Entries 86
Mean −0.0224
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

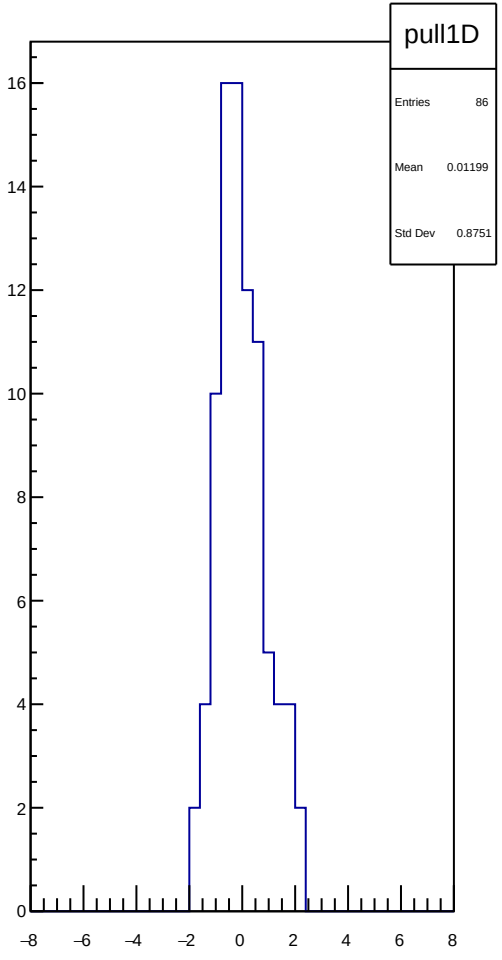

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7000 / 85
p0 0.002775 ± 2.161e−06
0.0032
0.003
0.0028
0.0026
0.0024

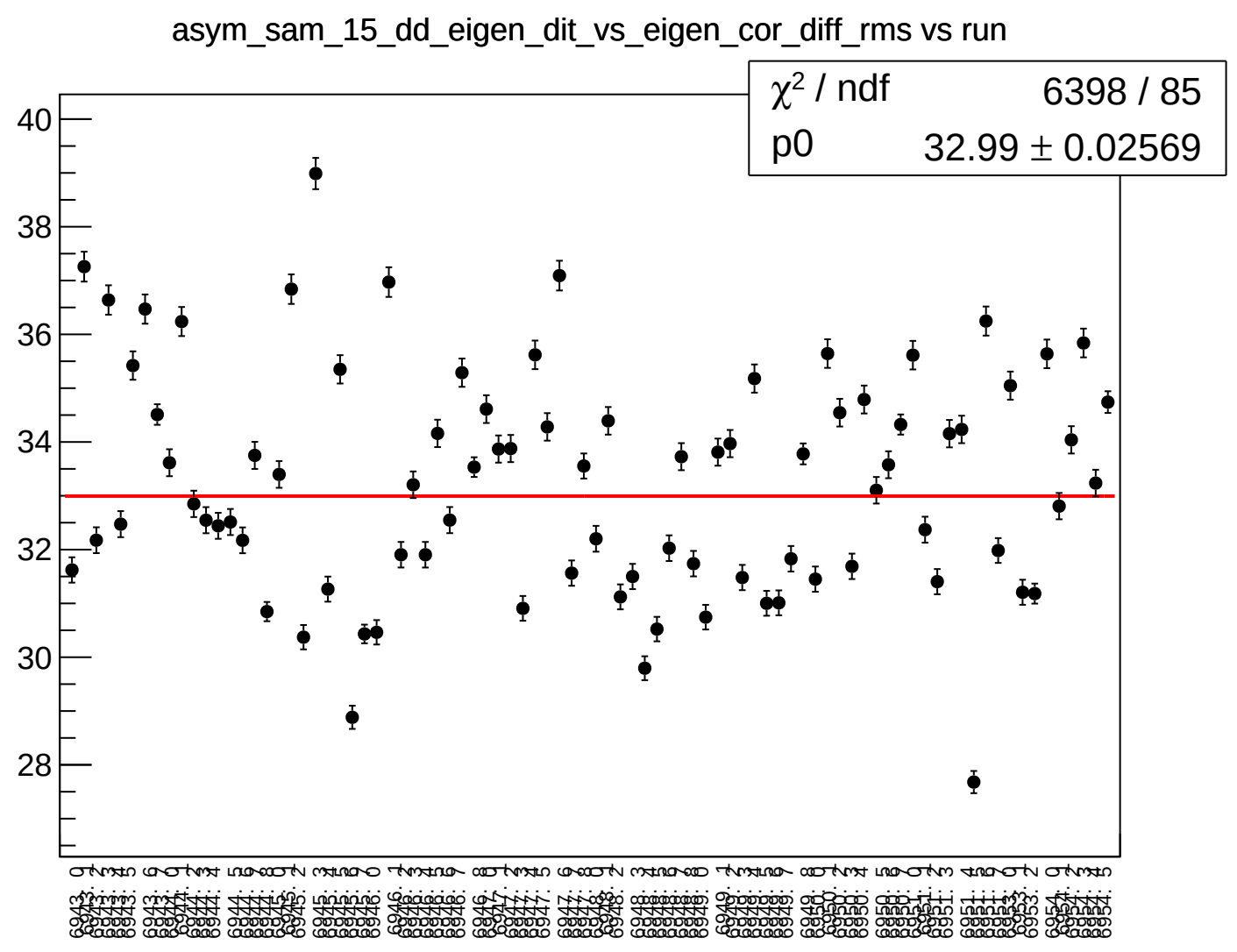

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.87 / 85
p0 −0.02016 ± 0.03633
pull
Entries 86
Mean 24.64
Std Dev 65.56

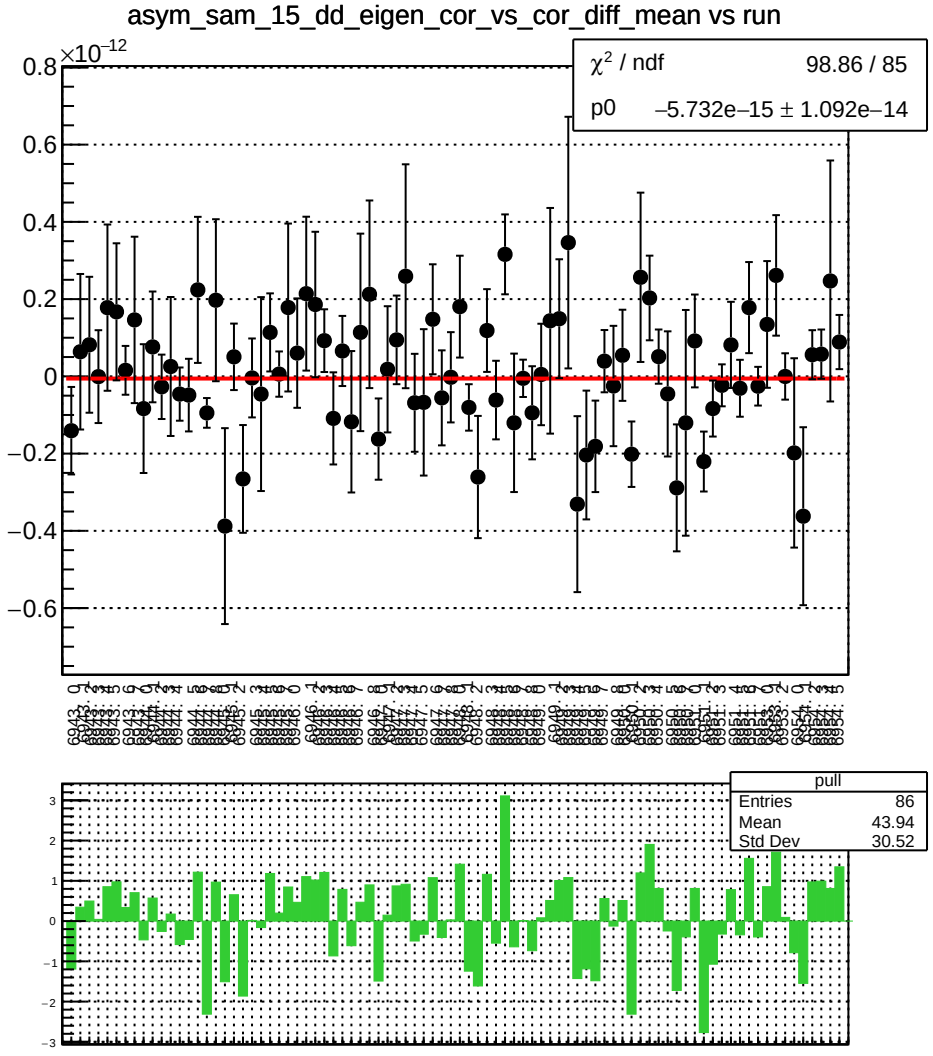

pull1D
Entries 86
Mean 0.01199
Std Dev 0.8751

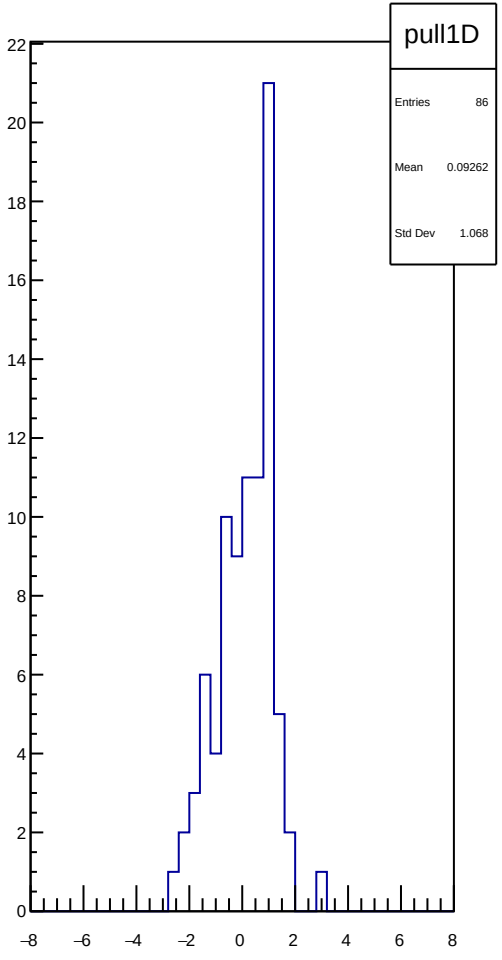

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6398 / 85
p0 32.99 ± 0.02569
40
38
36
34
32
30
28

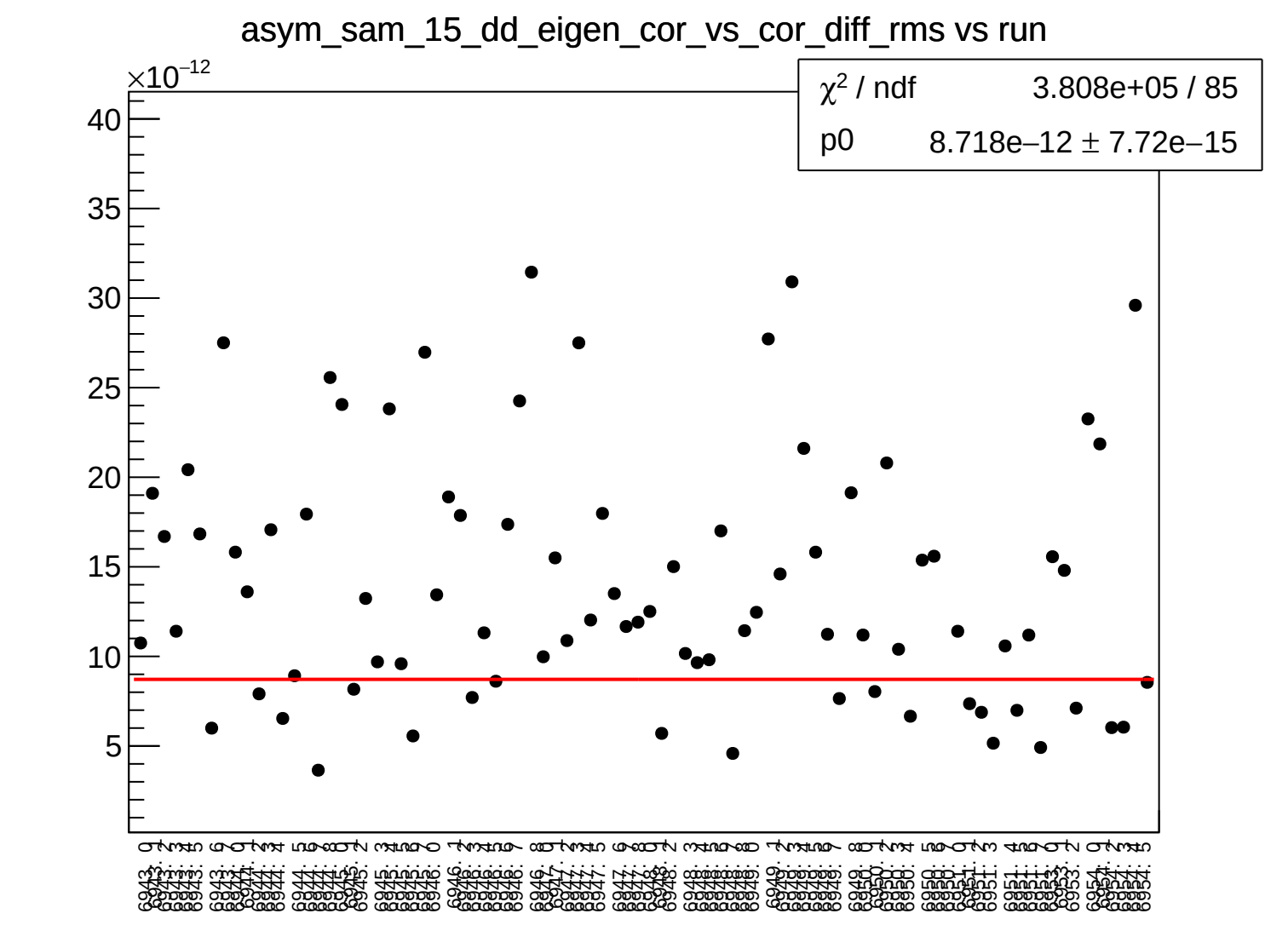

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.87 / 85
p0 −0.02016 ± 0.03633
pull
Entries 86
Mean 24.64
Std Dev 65.56

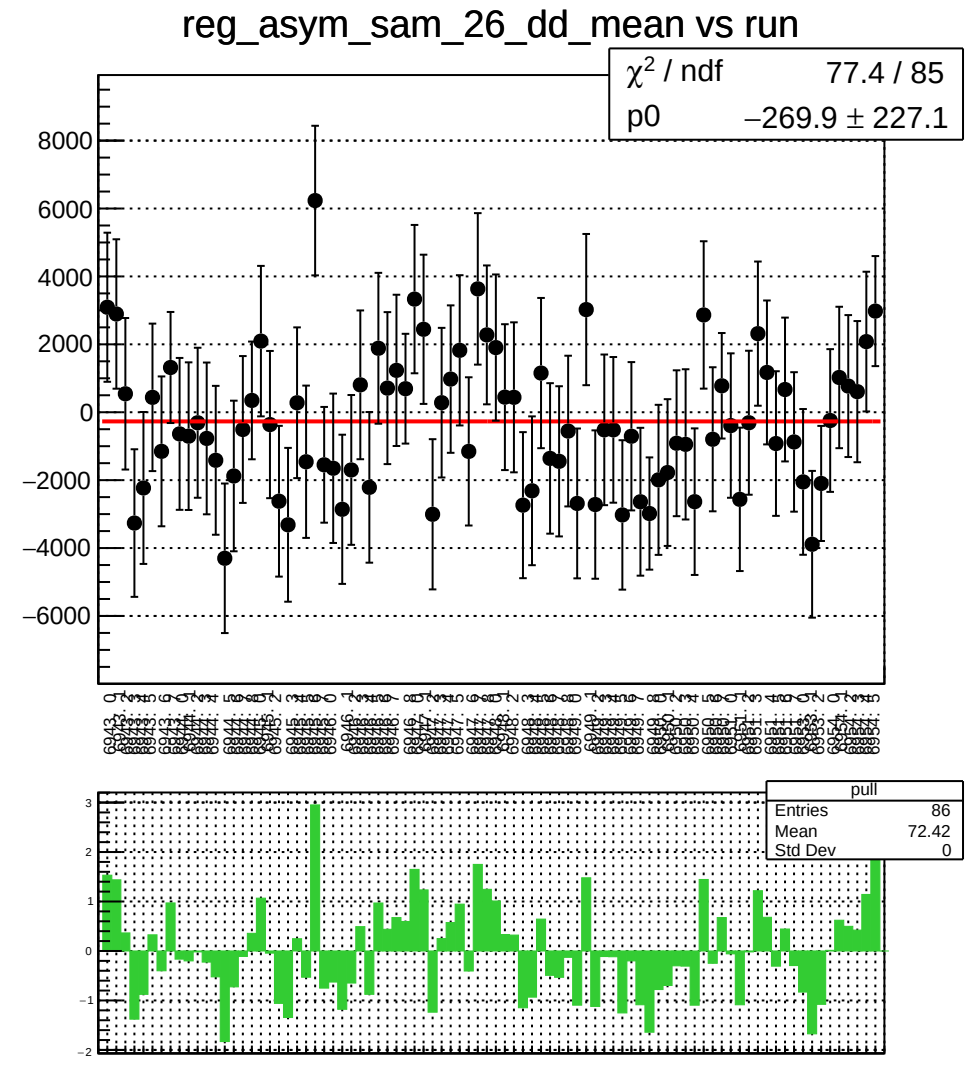

pull1D
Entries 86
Mean 0.01199
Std Dev 0.8751

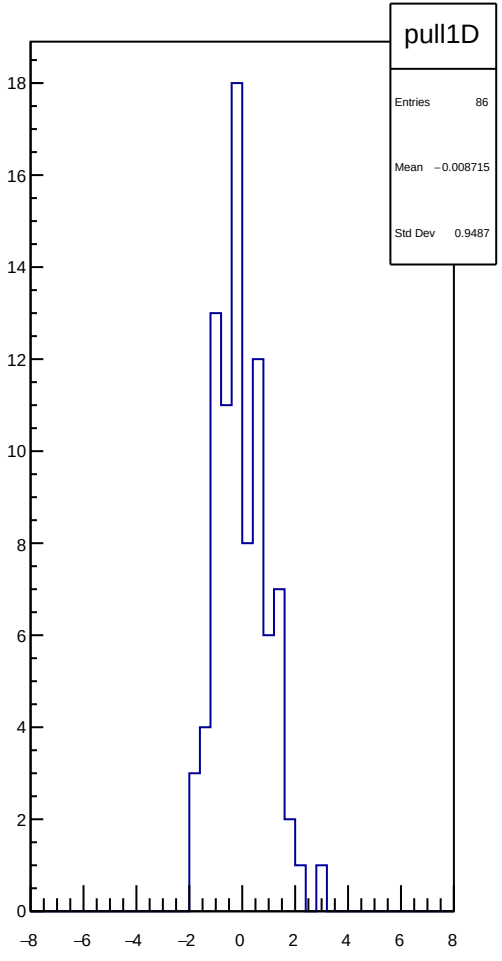

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6398 / 85
p0 32.99 ± 0.02569
40
38
36
34
32
30
28

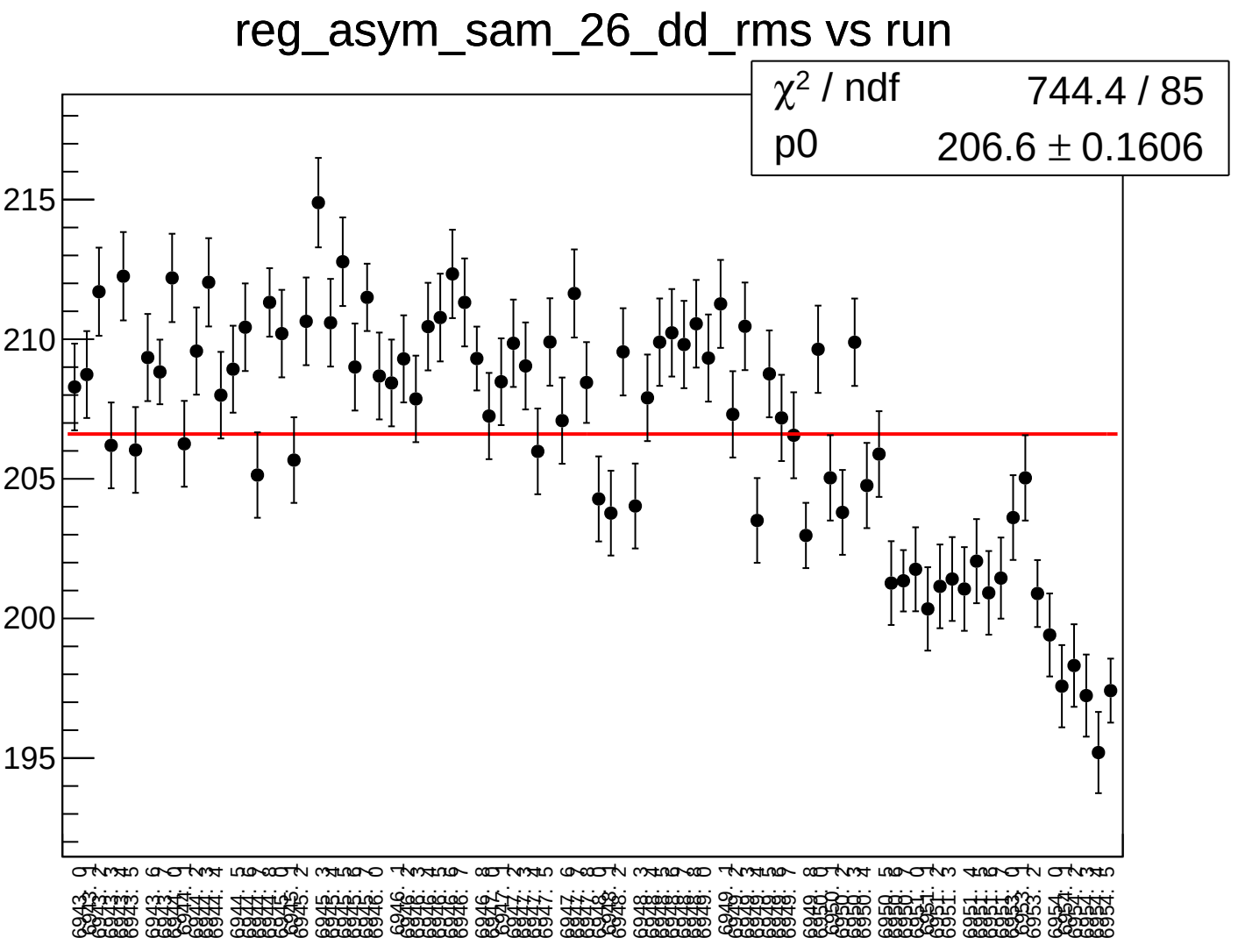

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.86 / 85
p0 −5.732e−15 ± 1.092e−14
pull
Entries 86
Mean 43.94
Std Dev 30.52

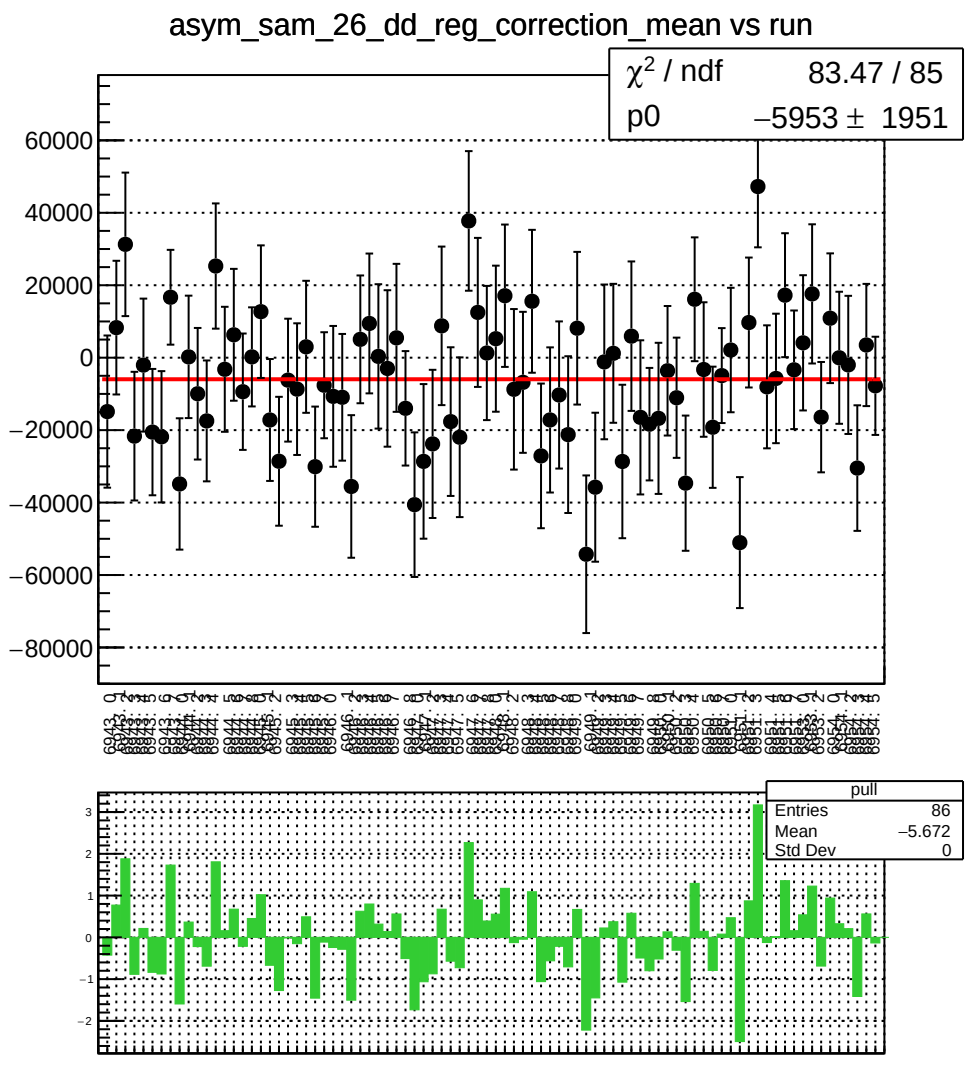

pull1D
Entries 86
Mean 0.09262
Std Dev 1.068

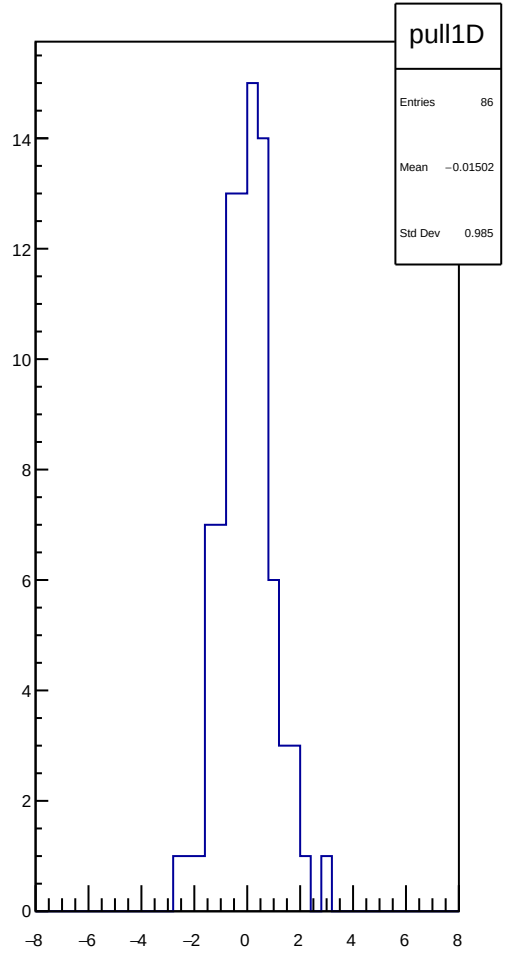

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.808e+05 / 85
p0 8.718e−12 ± 7.72e−15
40
35
30
25
20
15
10
5

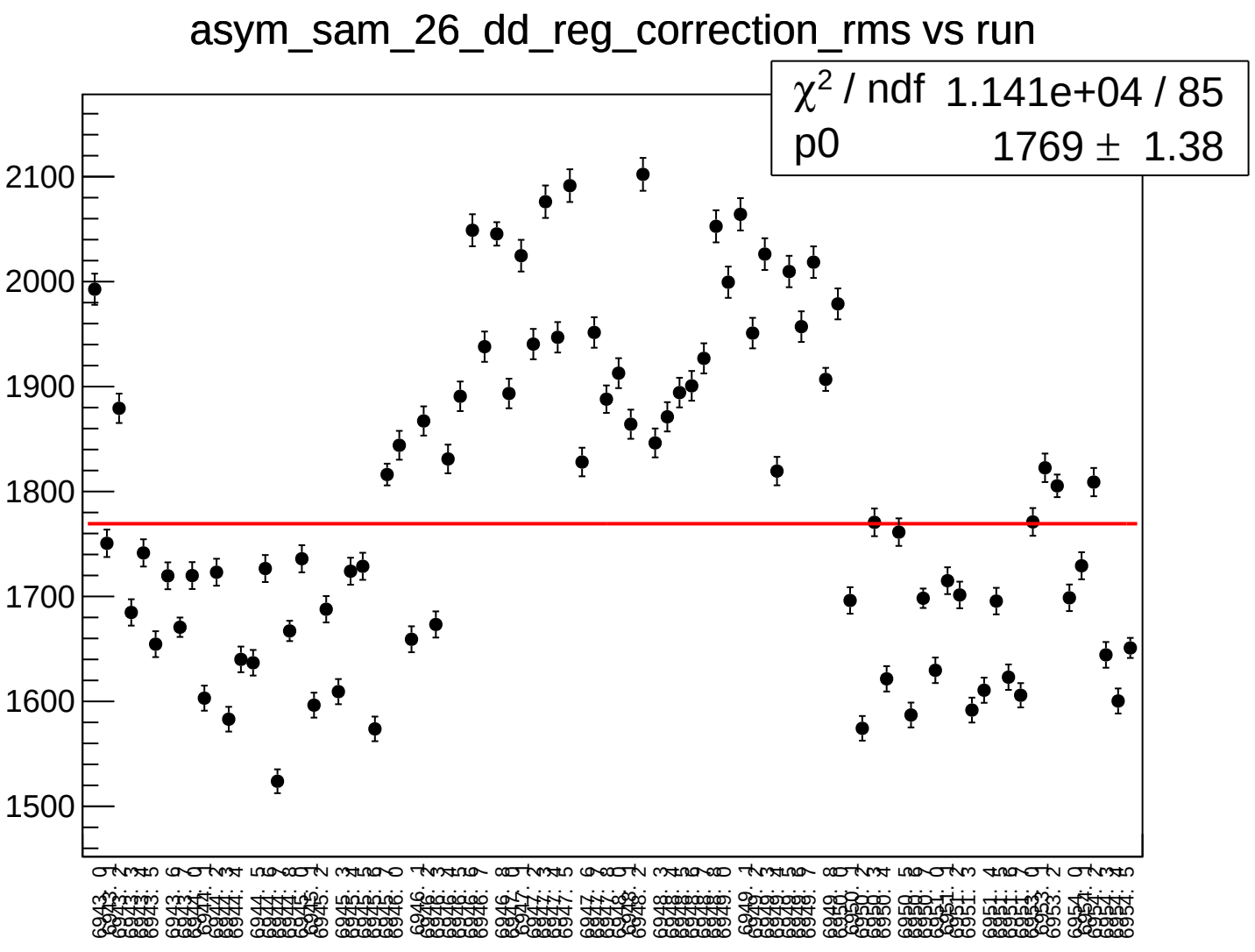

reg_asym_sam_26_dd_mean vs run
χ² / ndf 77.4 / 85
p0 −269.9 ± 227.1
pull
Entries 86
Mean 72.42
Std Dev 0

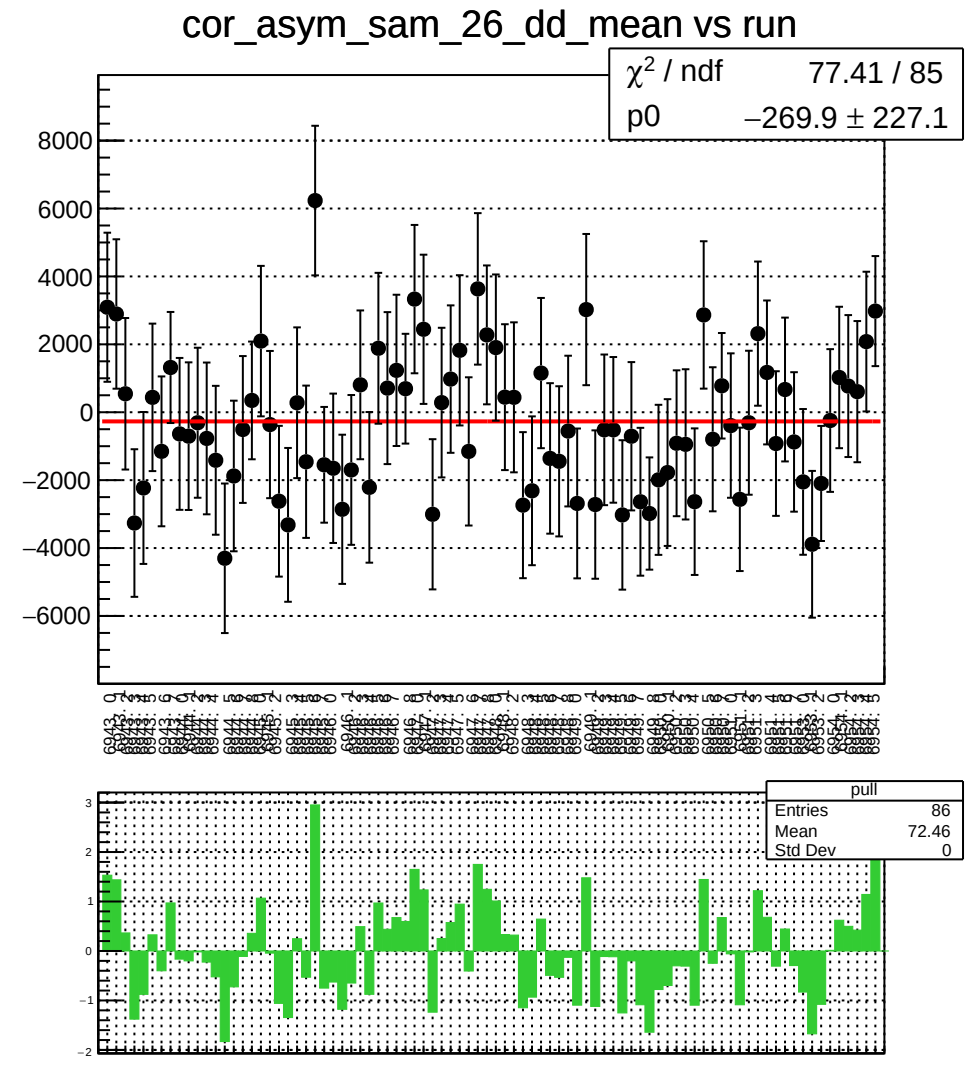

pull1D
Entries 86
Mean −0.008715
Std Dev 0.9487

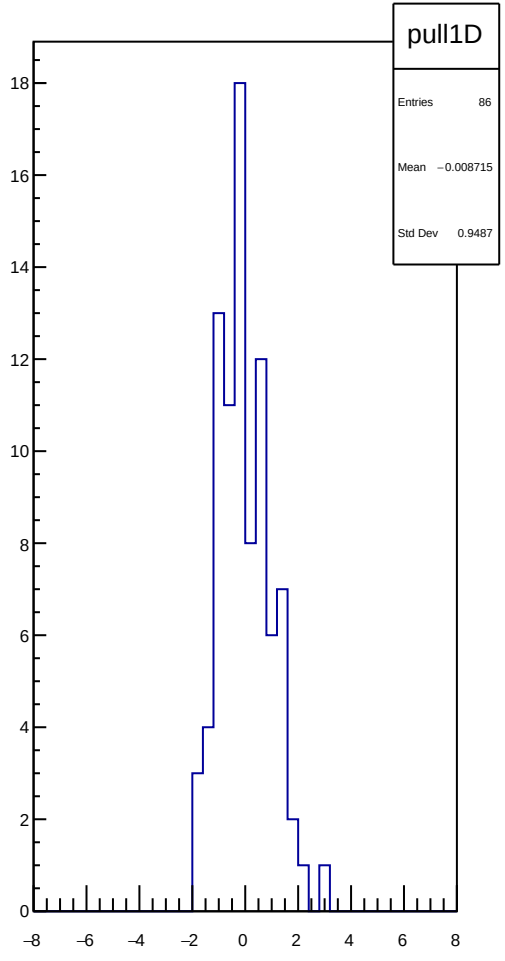

reg_asym_sam_26_dd_rms vs run
χ² / ndf 744.4 / 85
p0 206.6 ± 0.1606
215
210
205
200
195

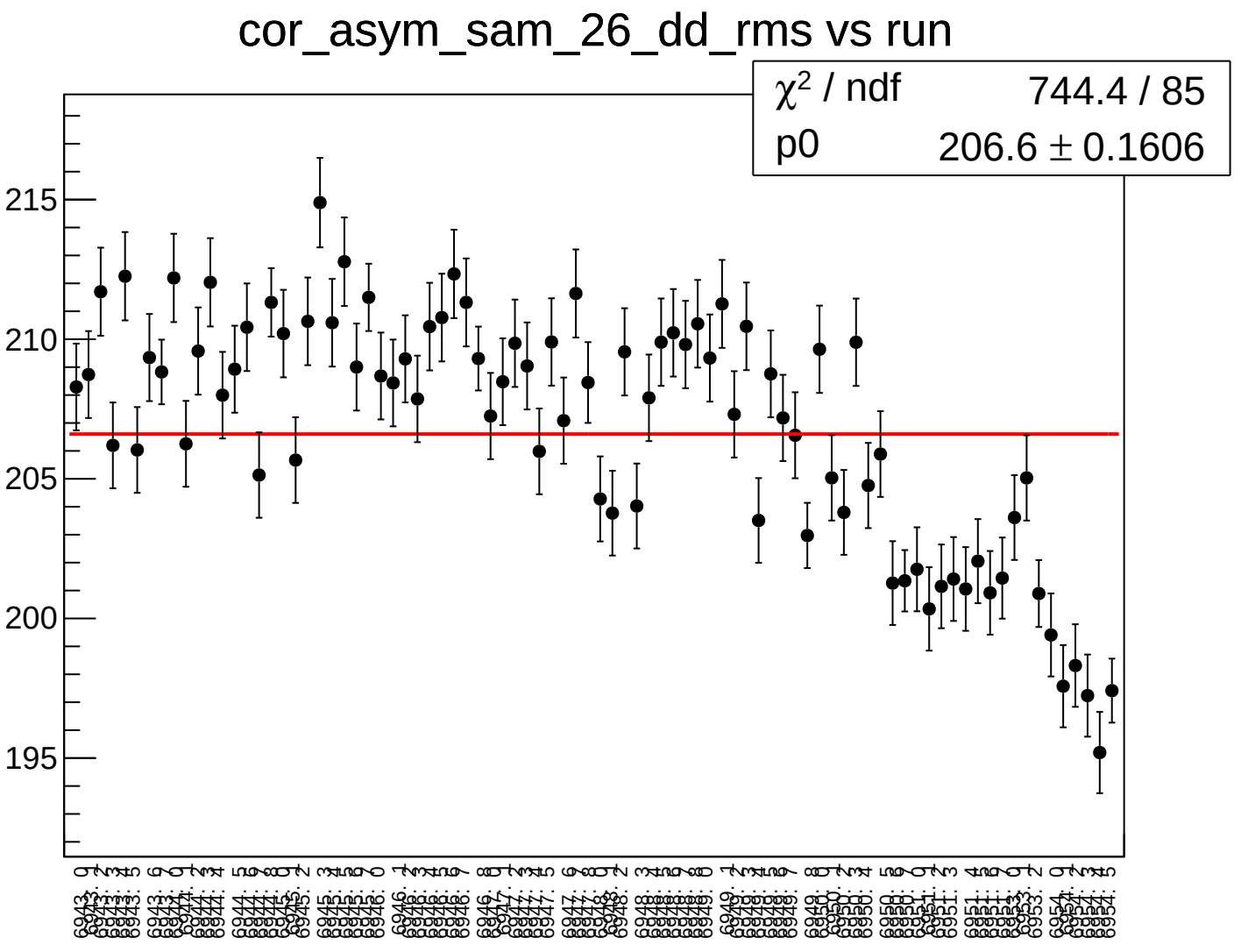

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 83.47 / 85
p0 −5953 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −5.672
Std Dev 0
3
2
1
0
−1
−2

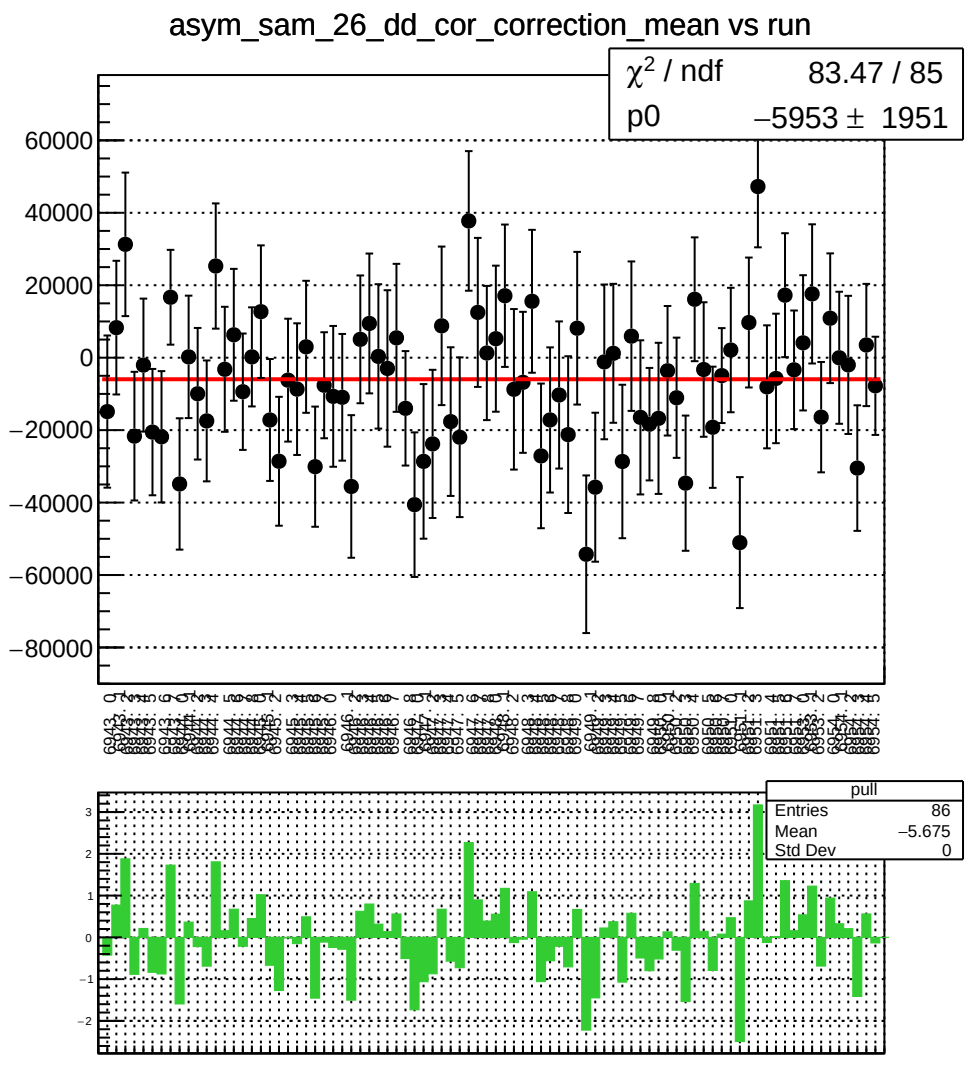

pull1D
Entries 86
Mean −0.01502
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

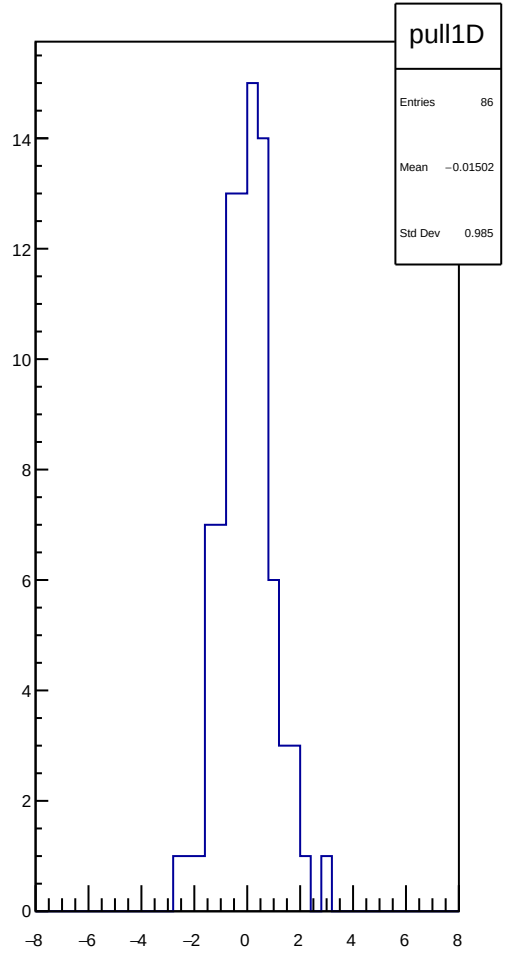

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 1.141e+04 / 85
p0 1769 ± 1.38
2100
2000
1900
1800
1700
1600
1500

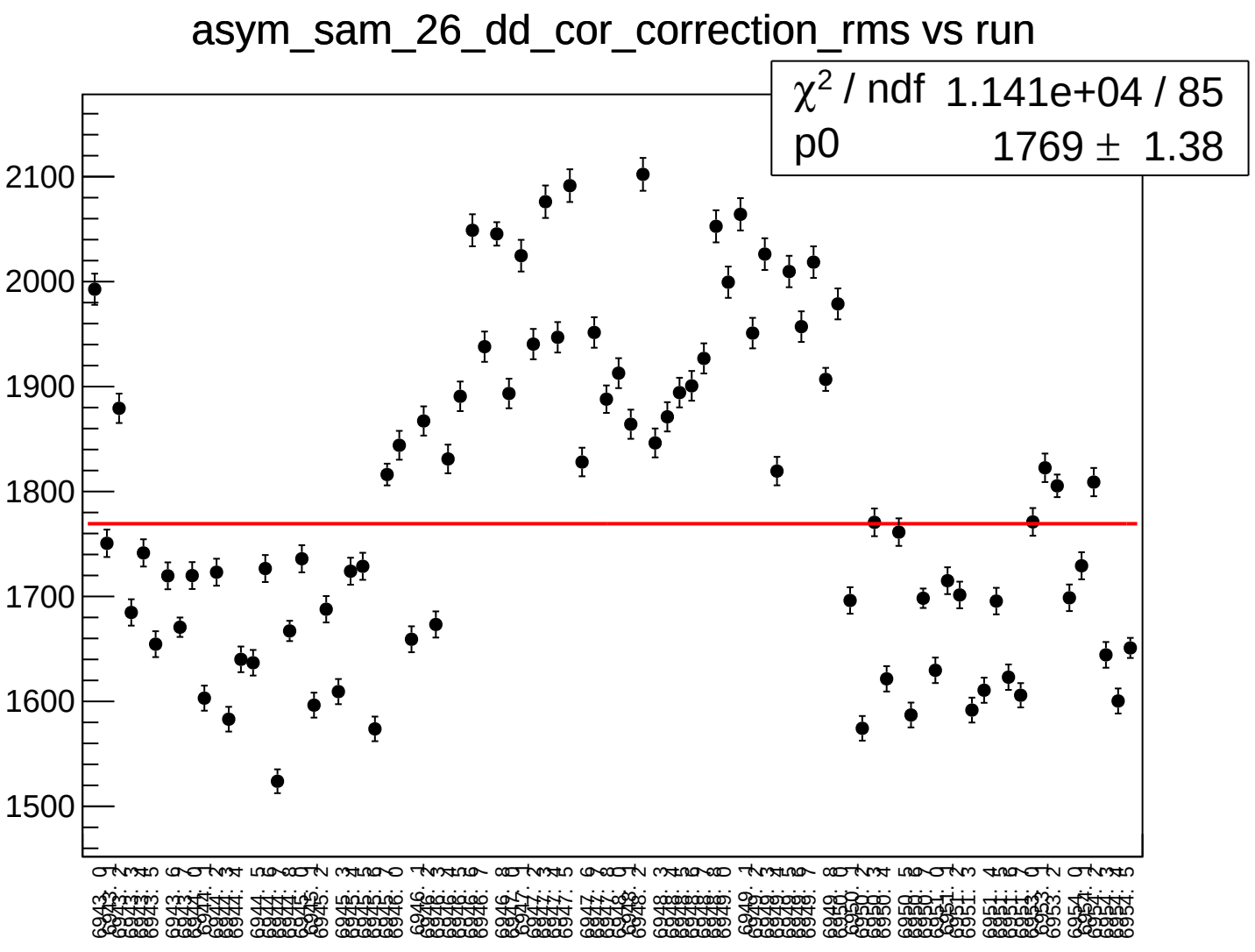

cor_asym_sam_26_dd_mean vs run
χ² / ndf 77.41 / 85
p0 −269.9 ± 227.1
pull
Entries 86
Mean 72.46
Std Dev 0

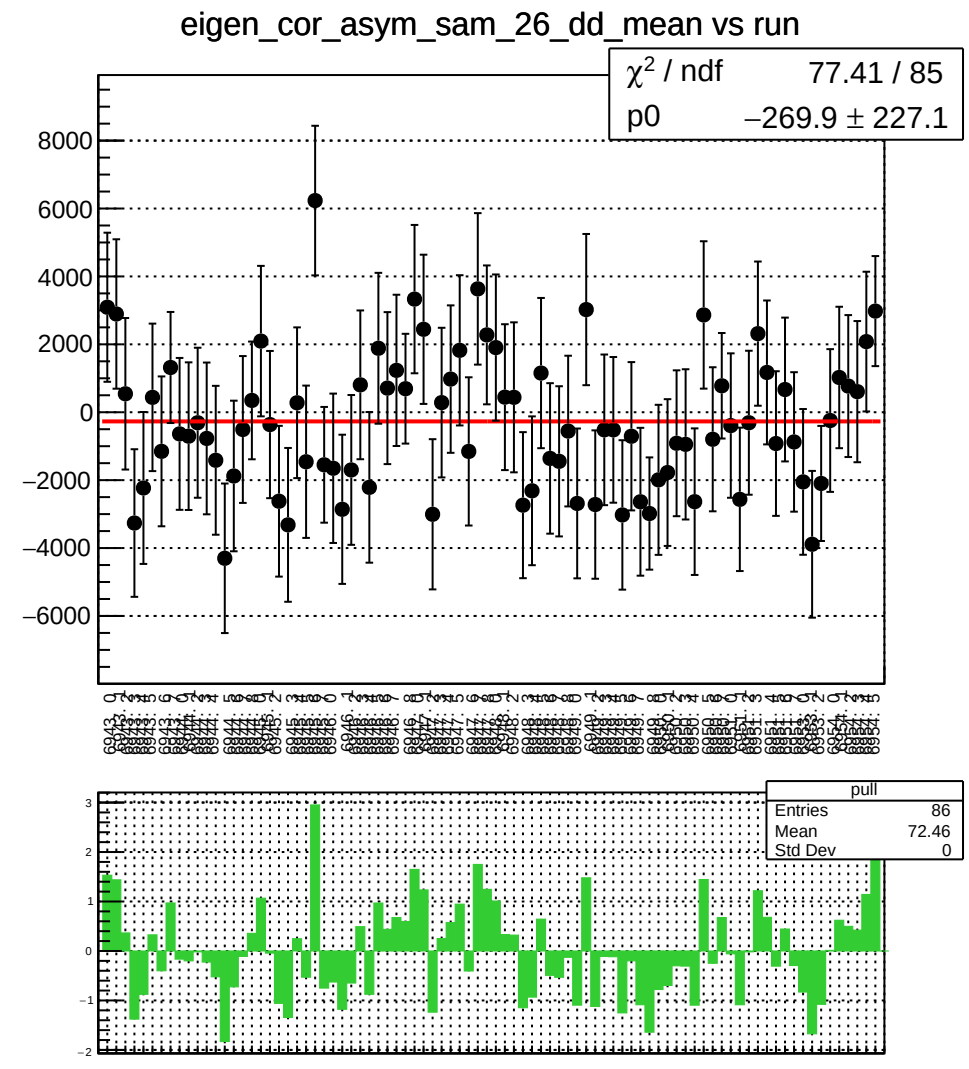

pull1D
Entries 86
Mean −0.008715
Std Dev 0.9487

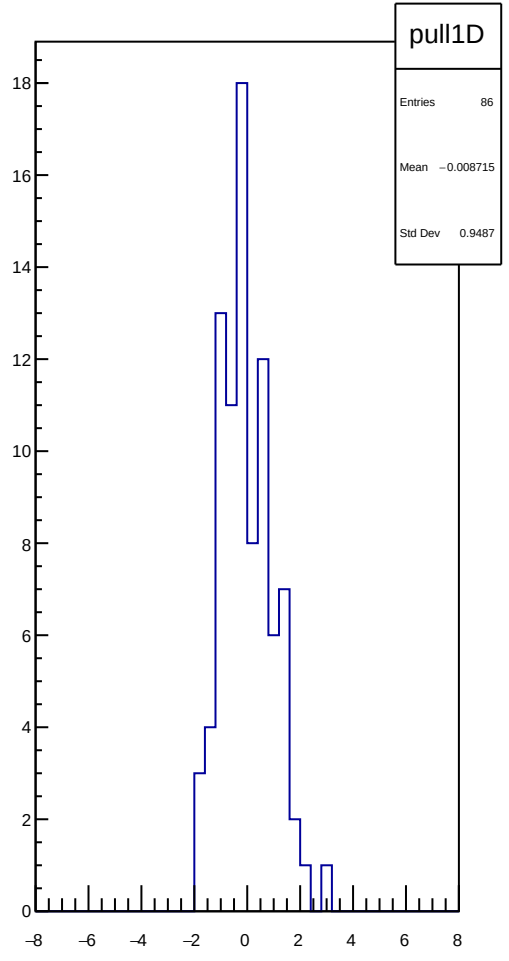

cor_asym_sam_26_dd_rms vs run
χ² / ndf 744.4 / 85
p0 206.6 ± 0.1606
215
210
205
200
195

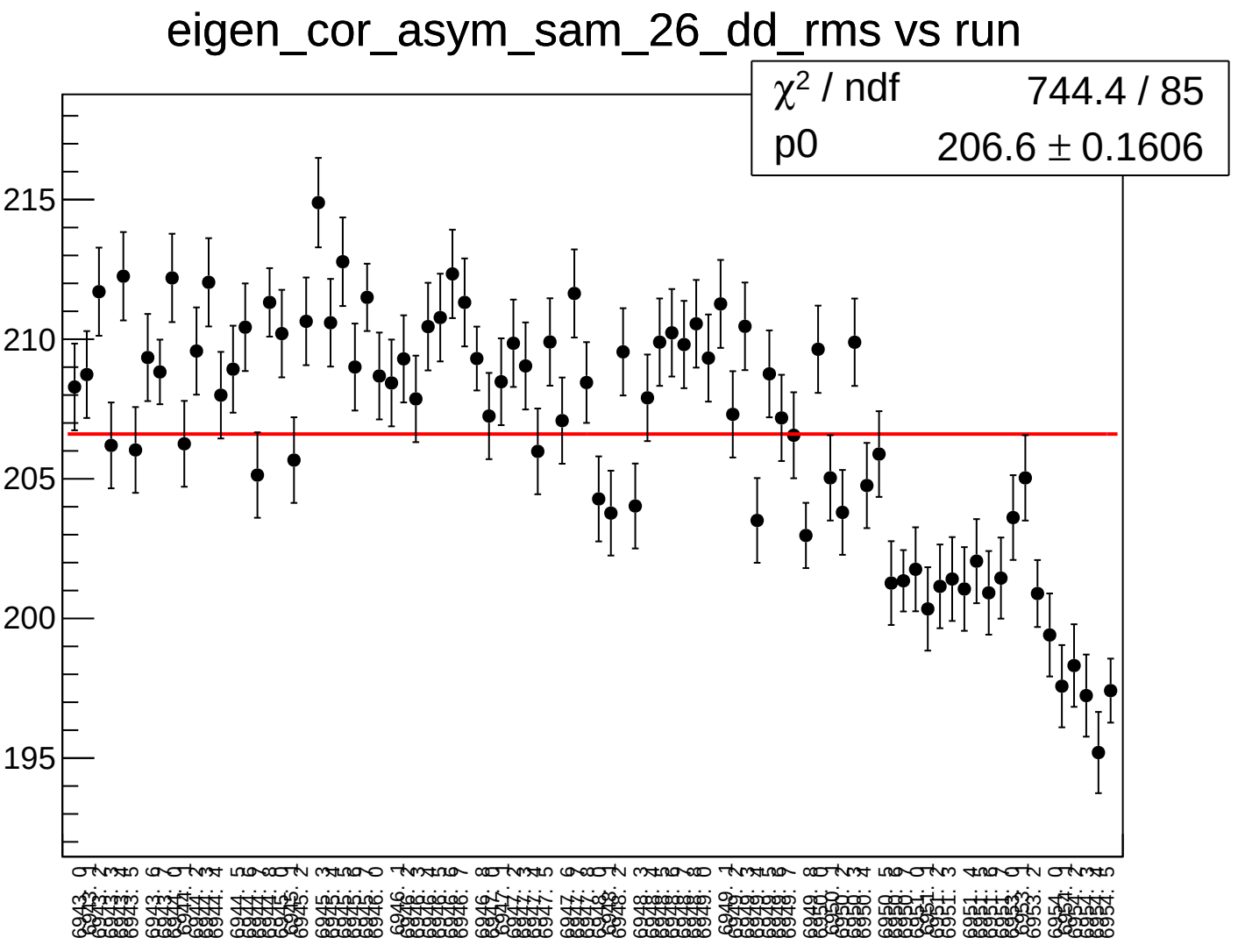

asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 83.47 / 85
p0 −5953 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −5.675
Std Dev 0
3
2
1
0
−1
−2

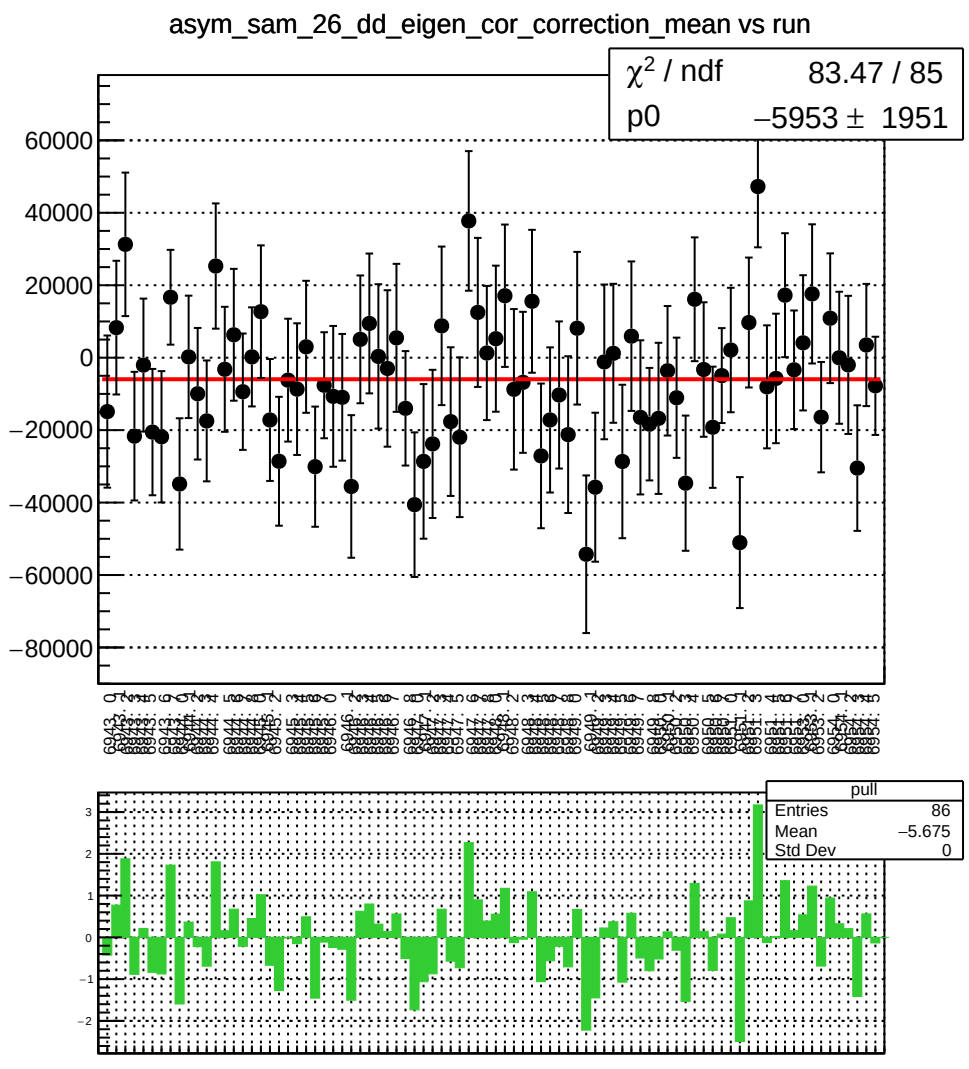

pull1D
Entries 86
Mean −0.01502
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

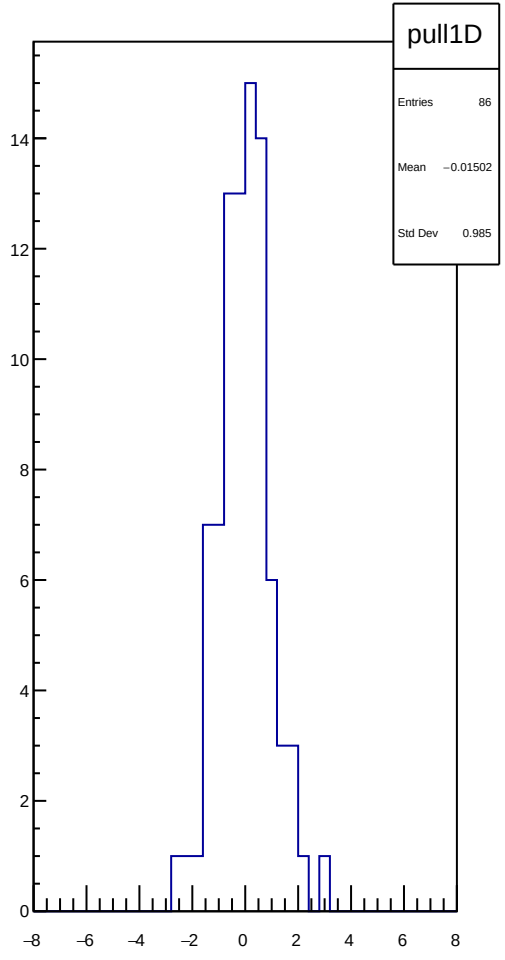

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 1.141e+04 / 85
p0 1769 ± 1.38
2100
2000
1900
1800
1700
1600
1500

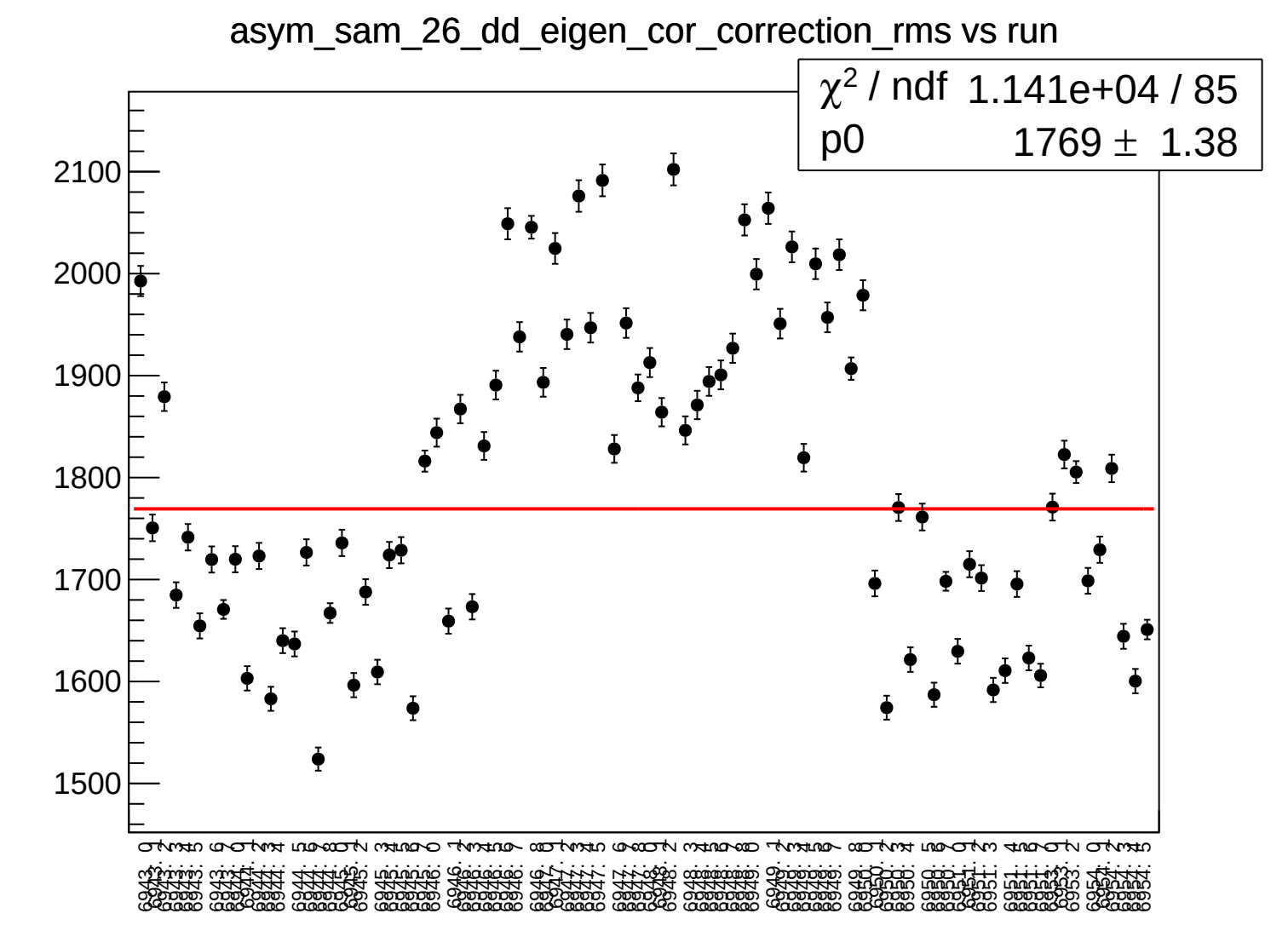

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 77.41 / 85
p0 −269.9 ± 227.1
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 72.46
Std Dev 0
3
2
1
0
−1
−2

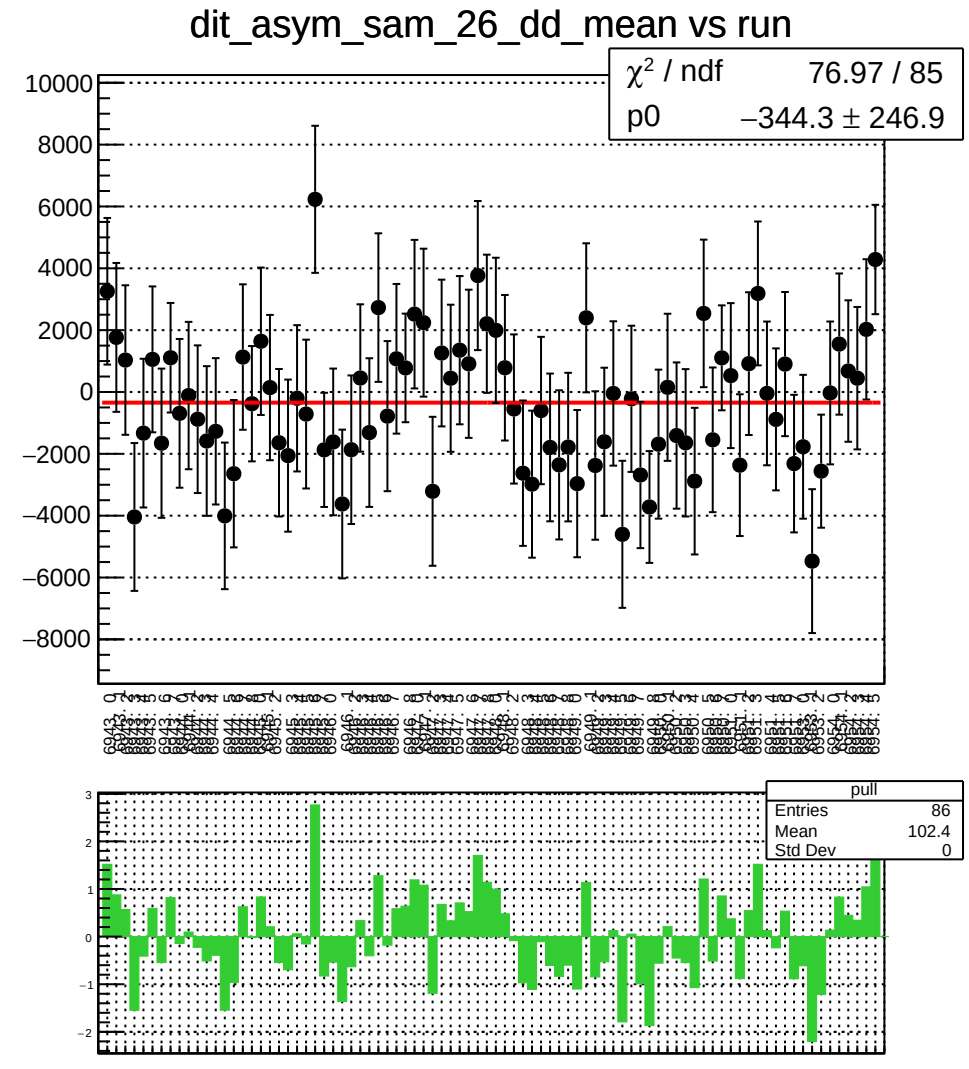

pull1D
Entries 86
Mean −0.008715
Std Dev 0.9487
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

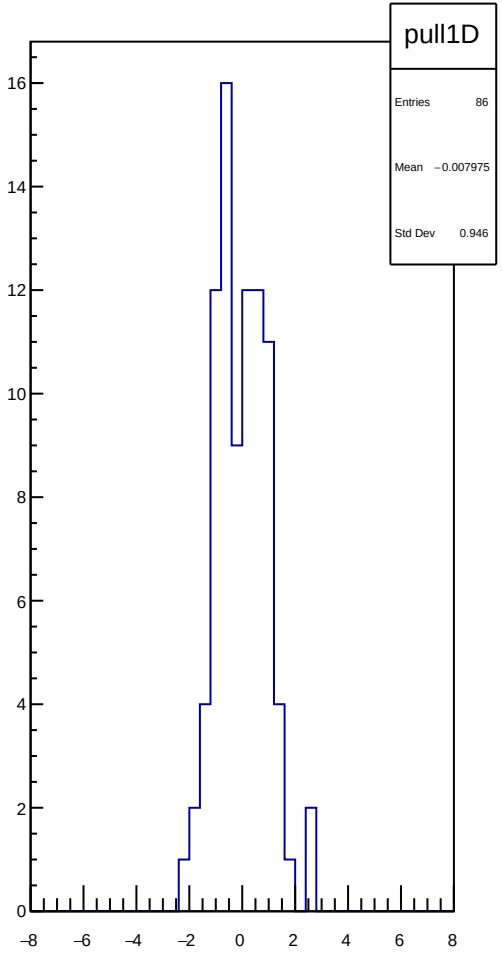

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 744.4 / 85
p0 206.6 ± 0.1606
215
210
205
200
195

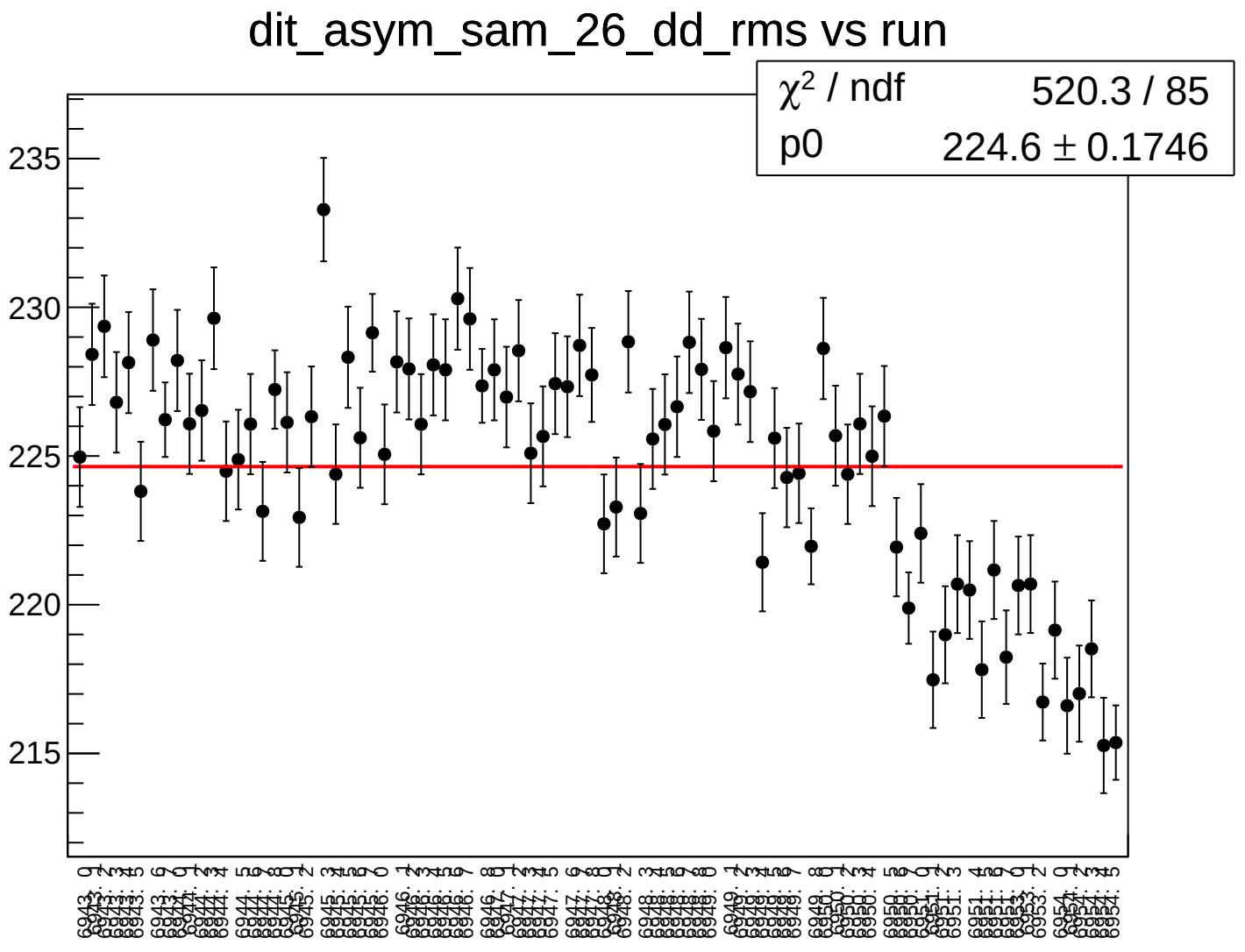

asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.47 / 85
p0 −5953 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −5.675
Std Dev 0
3
2
1
0
−1
−2

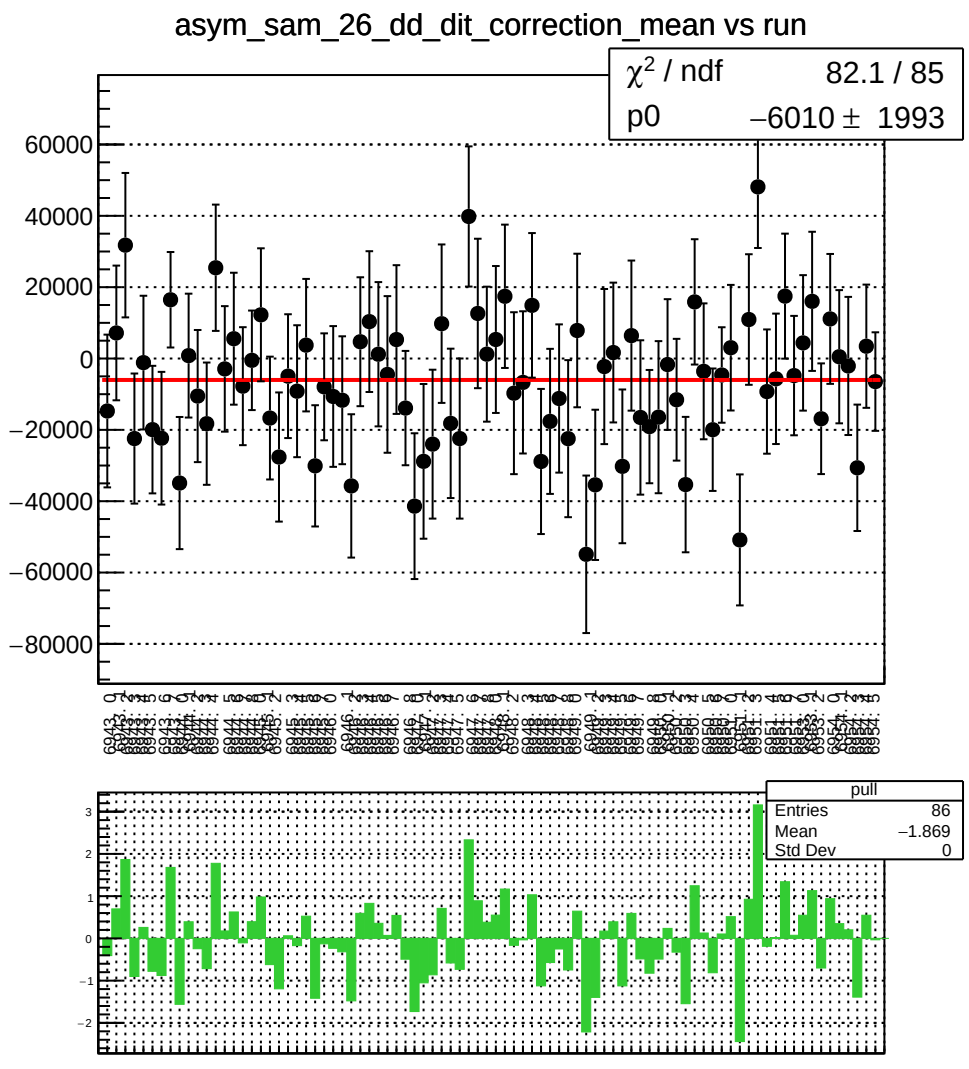

pull1D
Entries 86
Mean −0.01502
Std Dev 0.985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

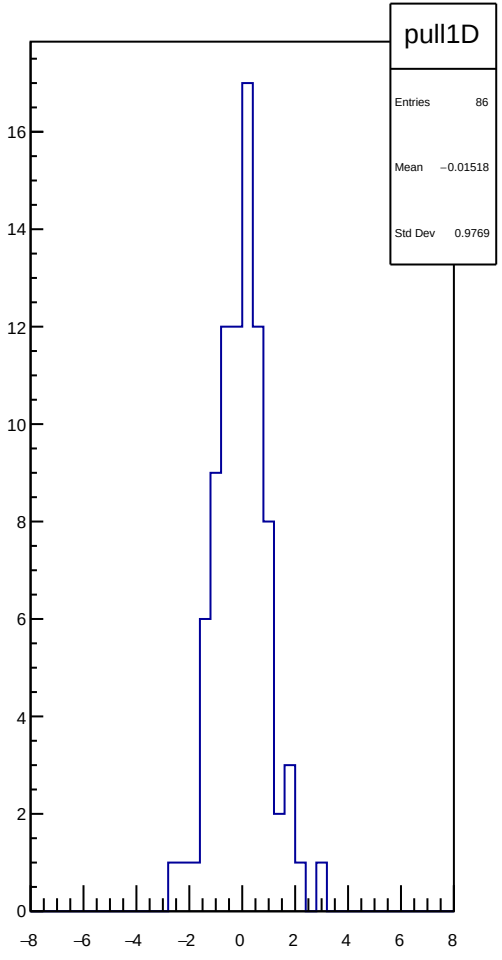

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.141e+04 / 85
p0 1769 ± 1.38
2100
2000
1900
1800
1700
1600
1500

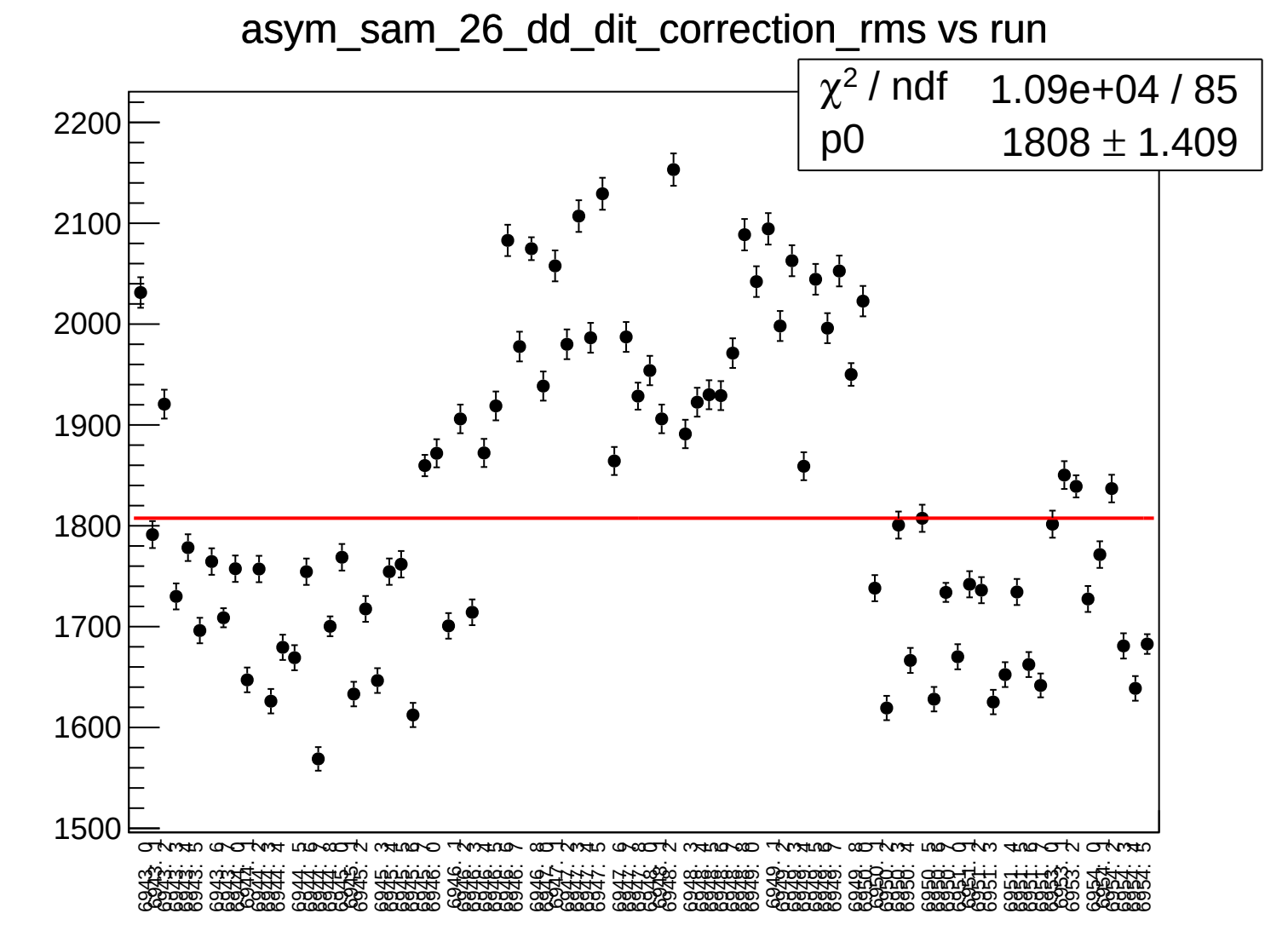

dit_asym_sam_26_dd_mean vs run
χ² / ndf 76.97 / 85
p0 −344.3 ± 246.9
pull
Entries 86
Mean 102.4
Std Dev 0

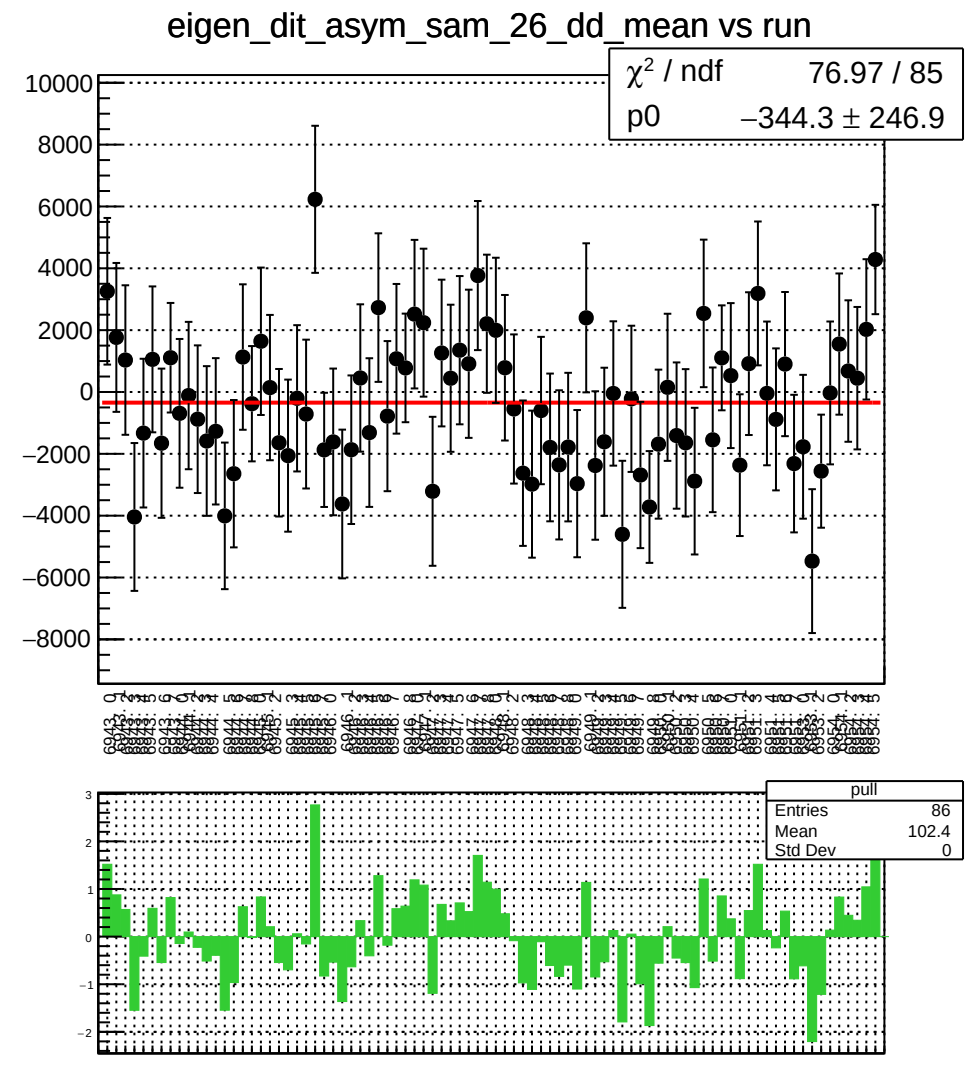

pull1D
Entries 86
Mean −0.007975
Std Dev 0.946

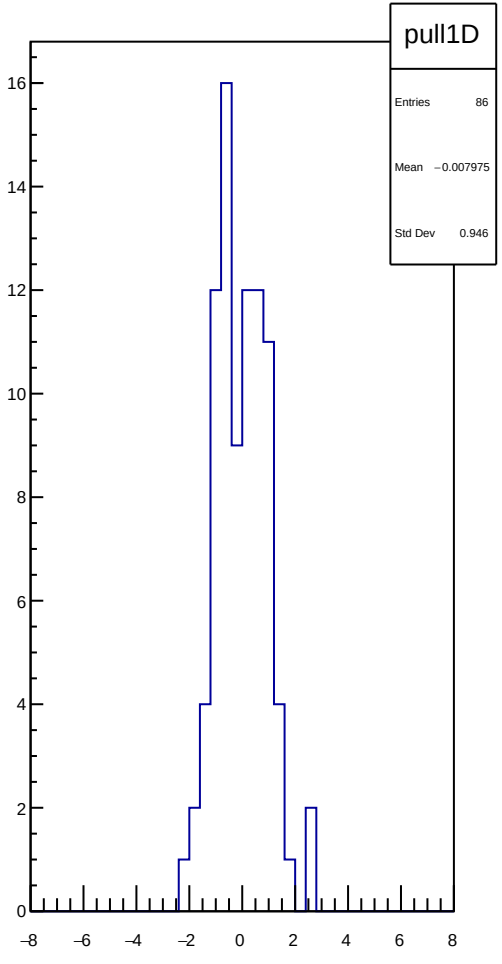

dit_asym_sam_26_dd_rms vs run
χ² / ndf 520.3 / 85
p0 224.6 ± 0.1746
235
230
225
220
215

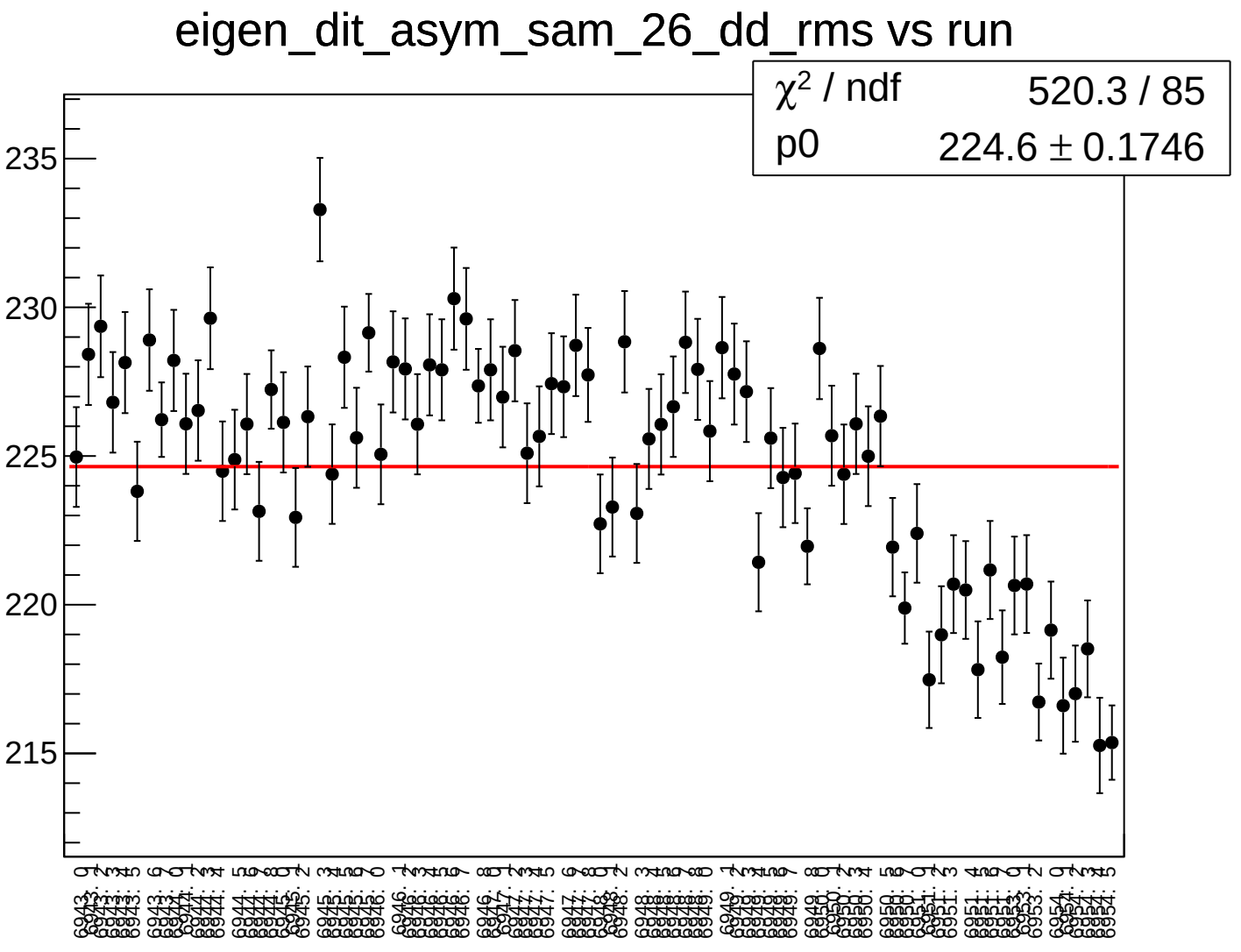

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 82.1 / 85
p0 −6010 ± 1993
pull
Entries 86
Mean −1.869
Std Dev 0

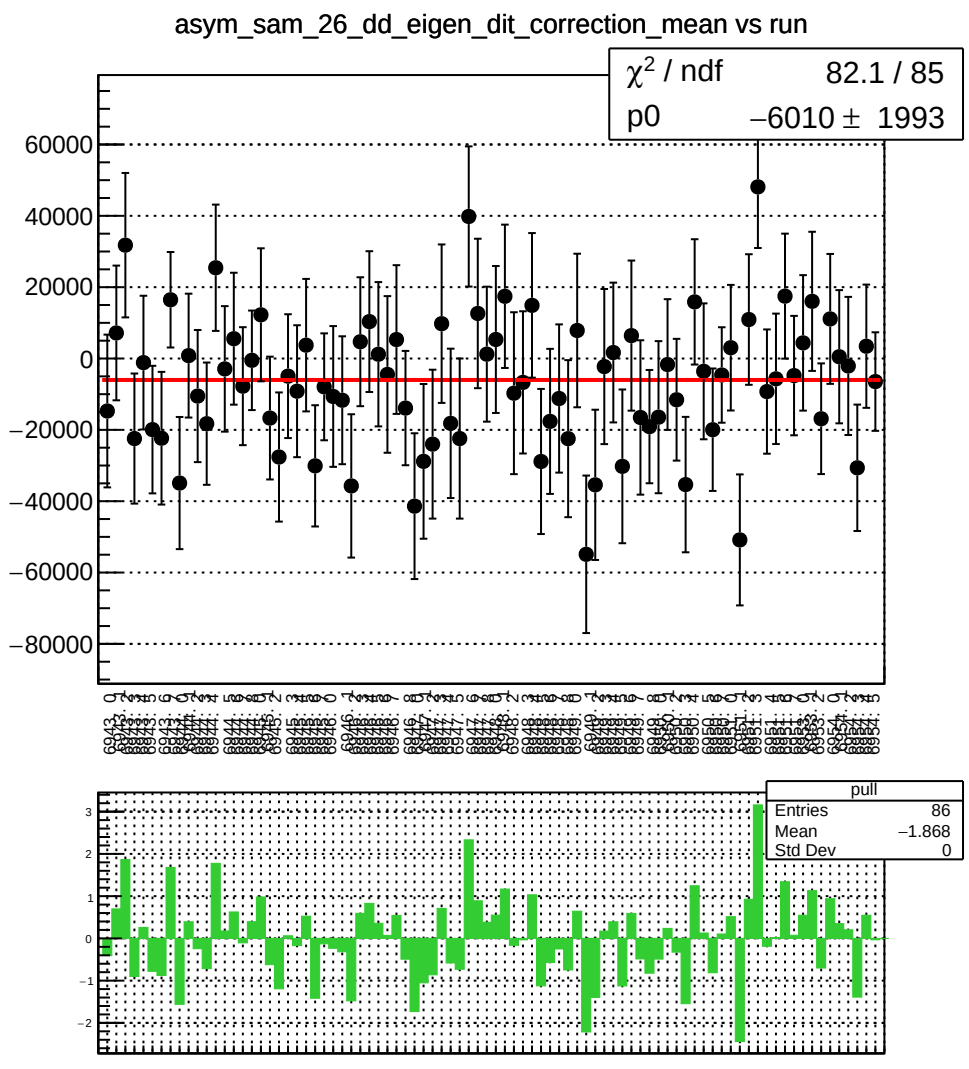

pull1D
Entries 86
Mean −0.01518
Std Dev 0.9769

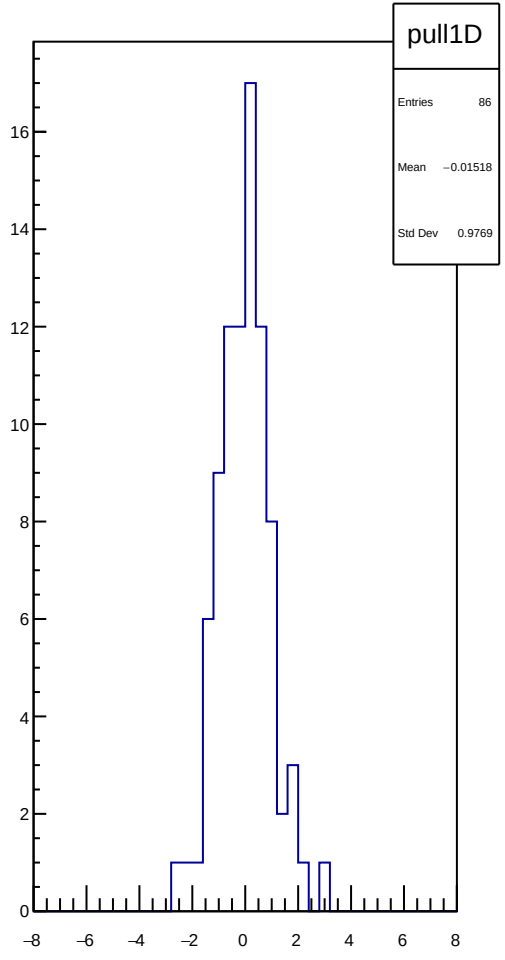

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 1.09e+04 / 85
p0 1808 ± 1.409
2200
2100
2000
1900
1800
1700
1600
1500

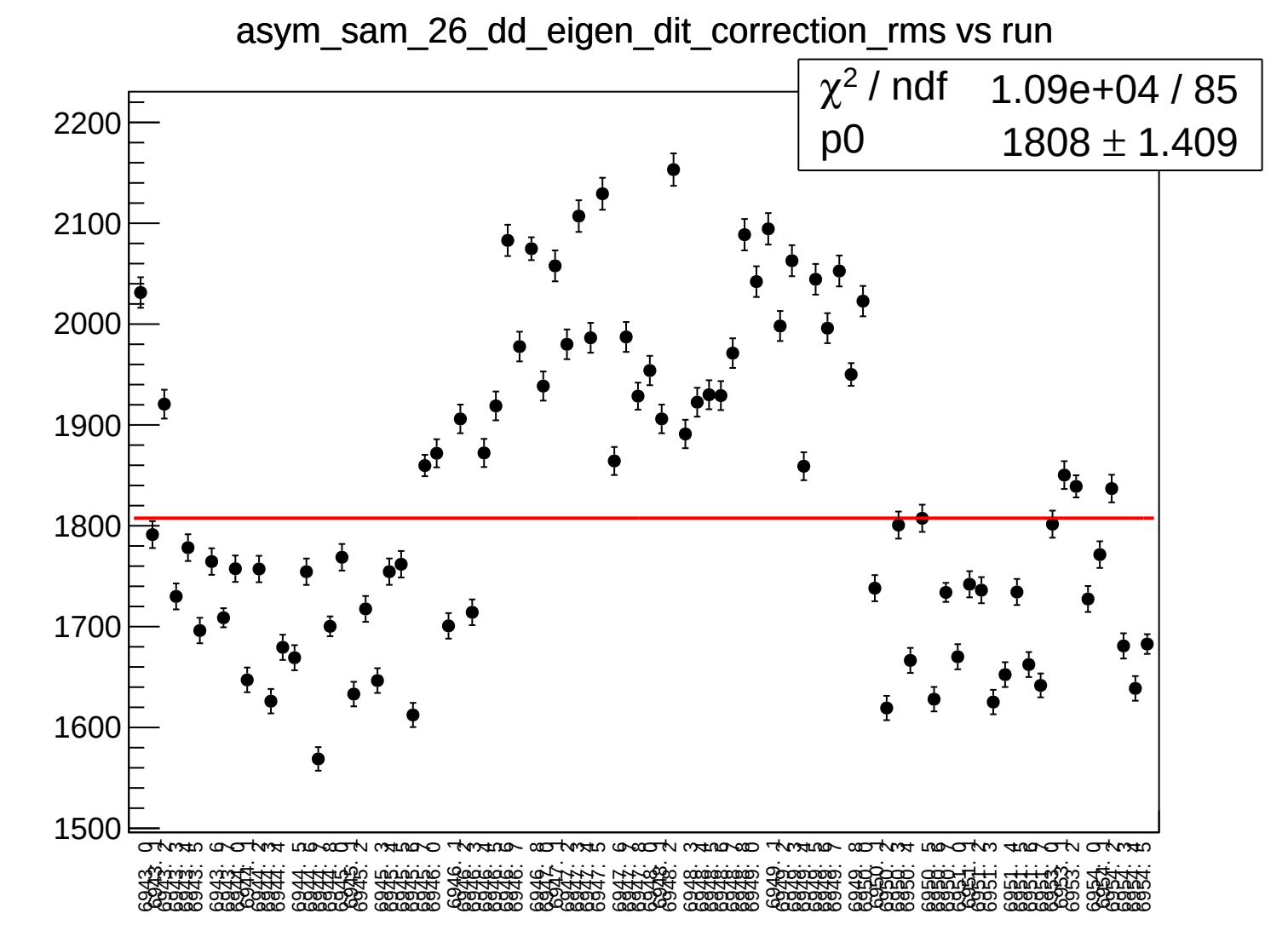

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 76.97 / 85
p0 −344.3 ± 246.9
pull
Entries 86
Mean 102.4
Std Dev 0

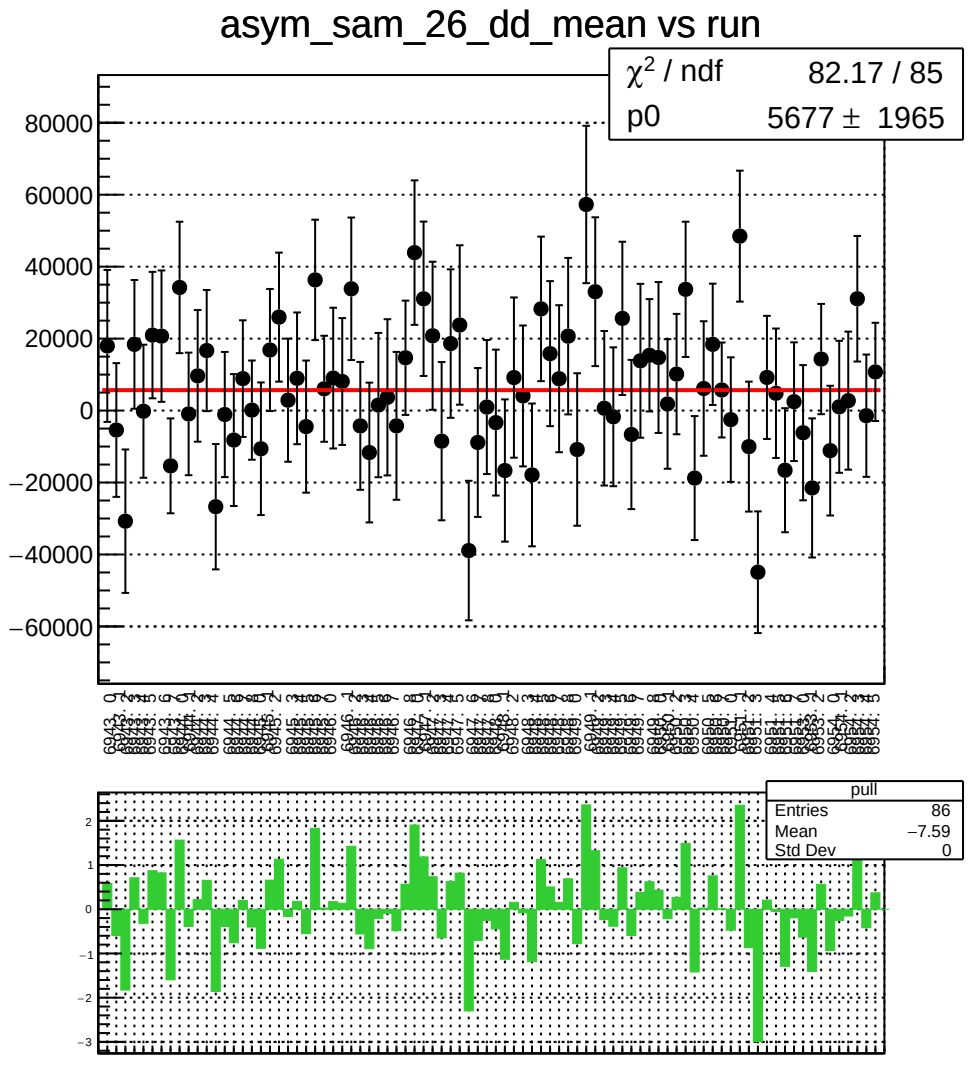

pull1D
Entries 86
Mean −0.007975
Std Dev 0.946

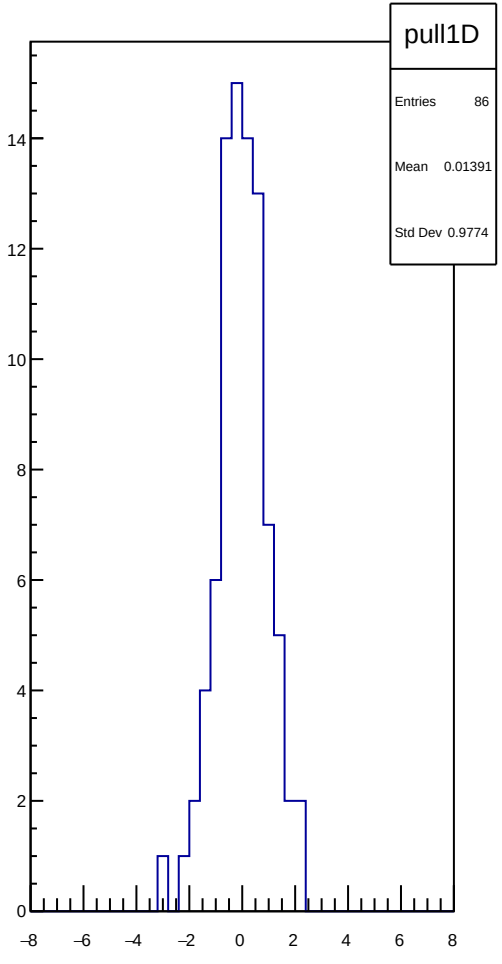

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 520.3 / 85
p0 224.6 ± 0.1746
235
230
225
220
215

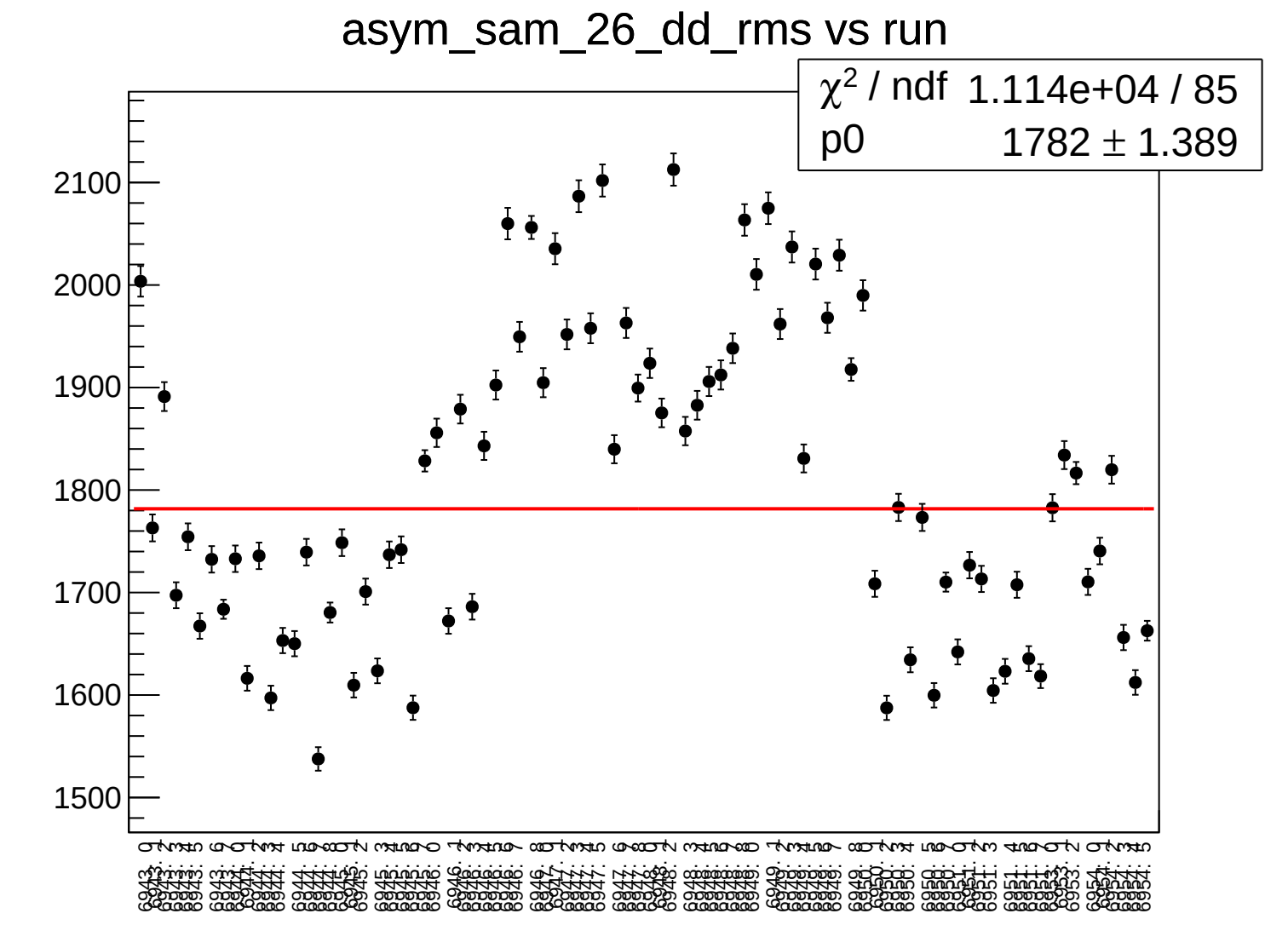

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 82.1 / 85
p0 −6010 ± 1993
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −1.868
Std Dev 0
3
2
1
0
−1
−2

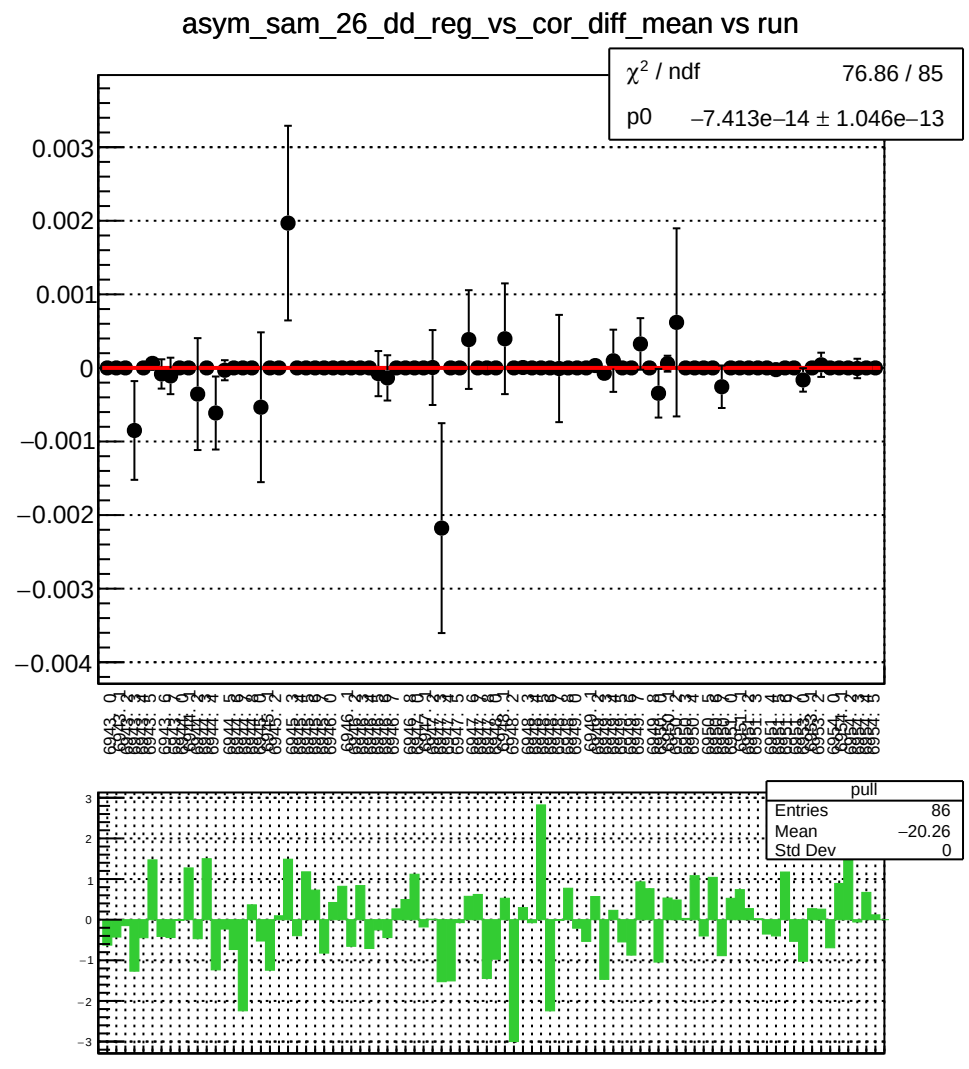

pull1D
Entries 86
Mean −0.01518
Std Dev 0.9769
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

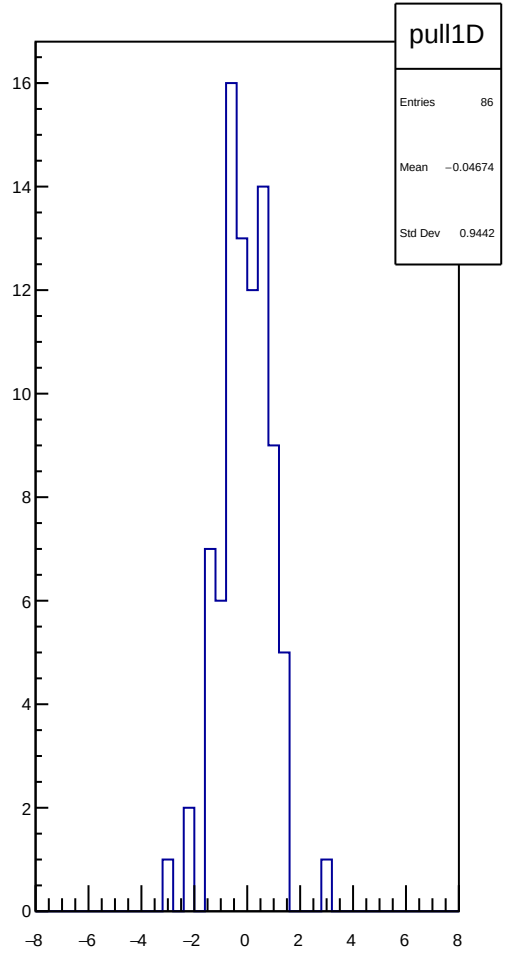

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.09e+04 / 85
p0 1808 ± 1.409
2200
2100
2000
1900
1800
1700
1600
1500

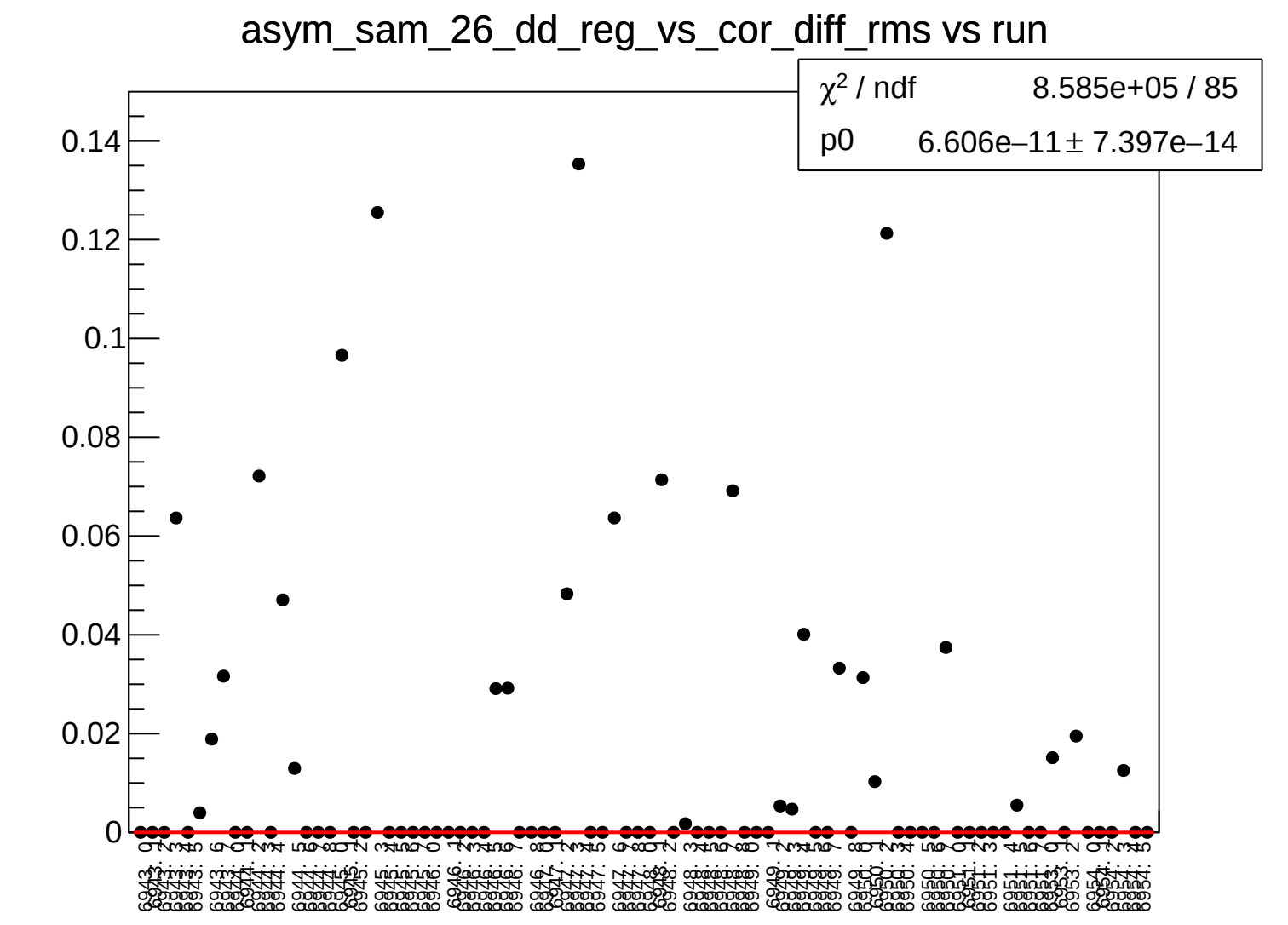

asym_sam_26_dd_mean vs run
χ² / ndf 82.17 / 85
p0 5677 ± 1965
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −7.59
Std Dev 0
2
1
0
−1
−2
−3

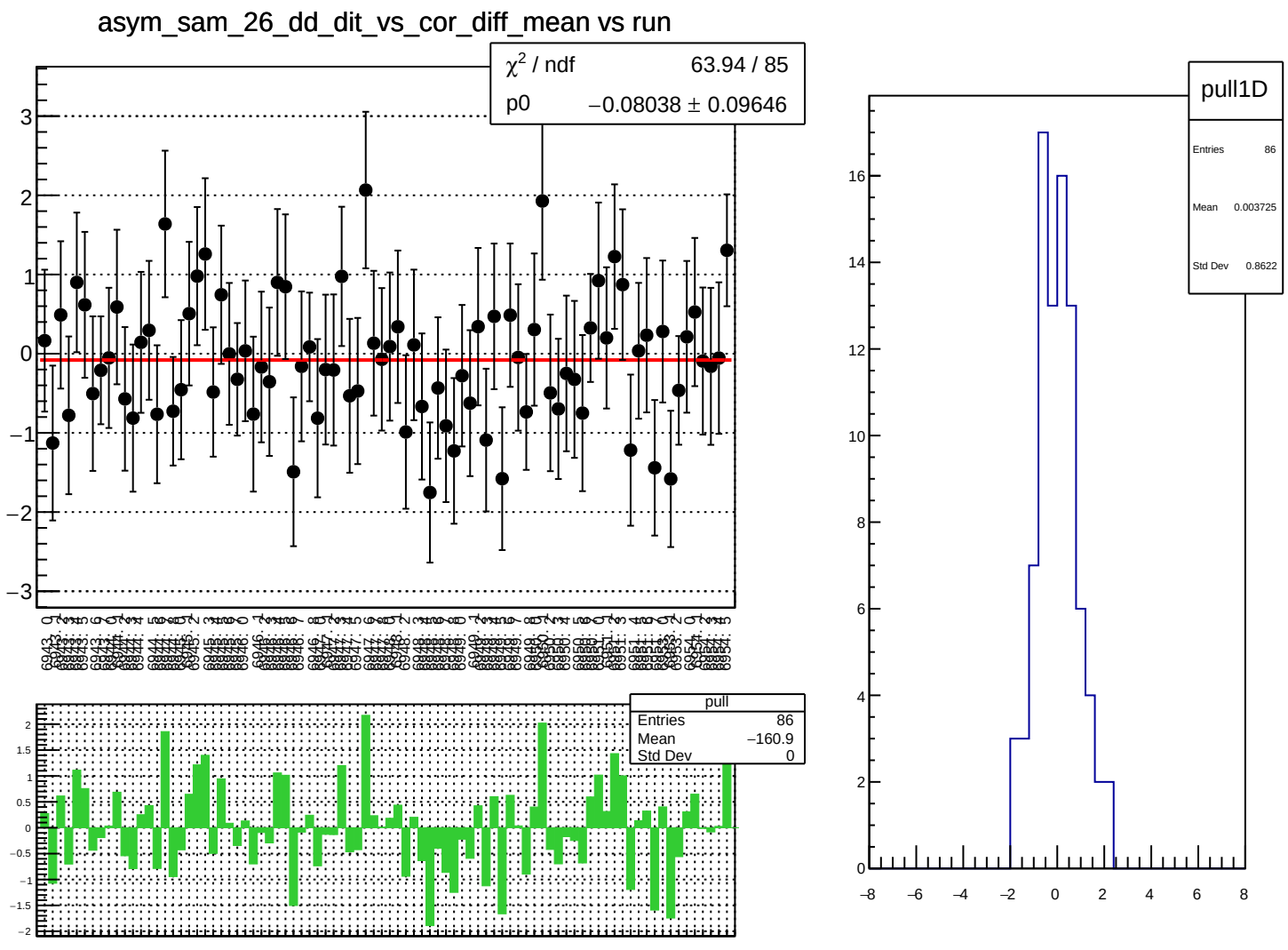

pull1D
Entries 86
Mean 0.01391
Std Dev 0.9774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

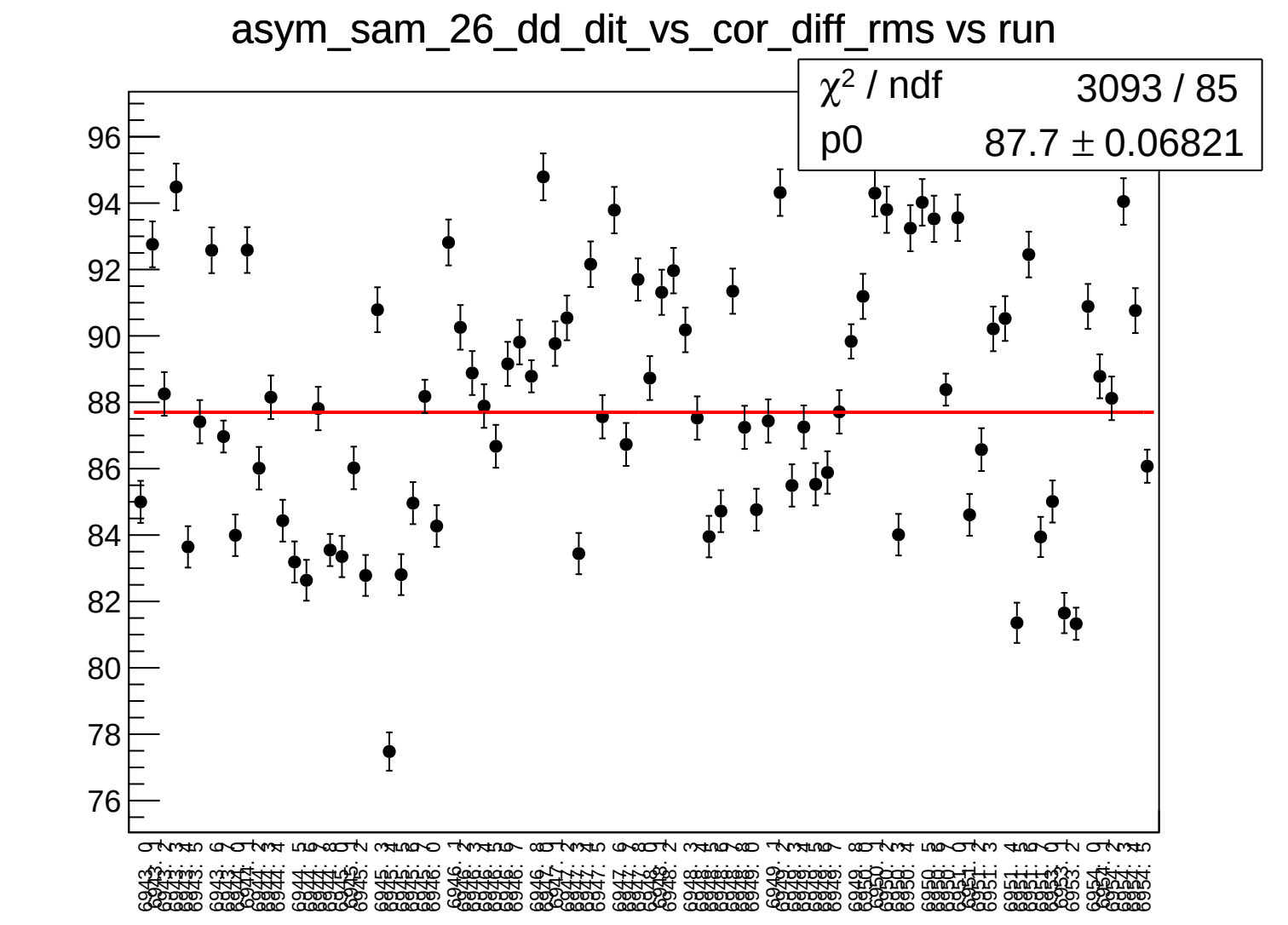

asym_sam_26_dd_rms vs run
χ² / ndf 1.114e+04 / 85
p0 1782 ± 1.389
2100
2000
1900
1800
1700
1600
1500

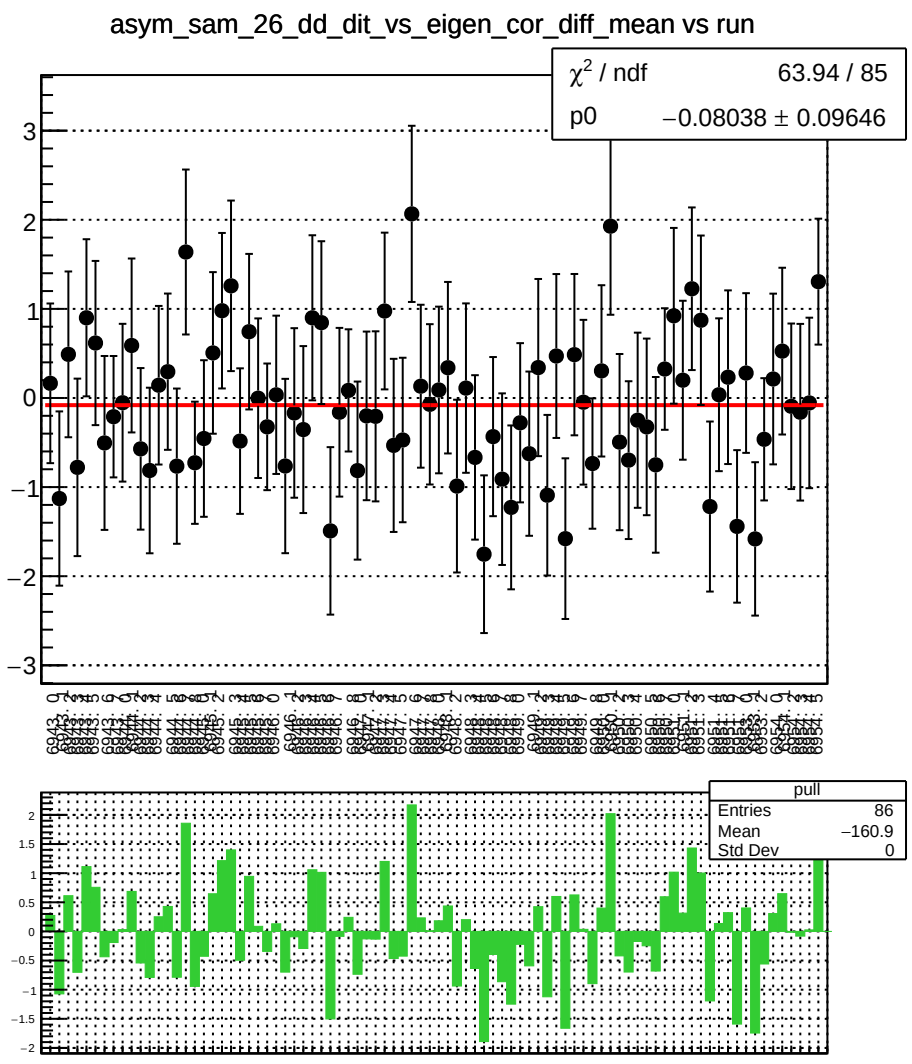

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 76.86 / 85
p0 −7.413e−14 ± 1.046e−13
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 86
Mean −20.26
Std Dev 0

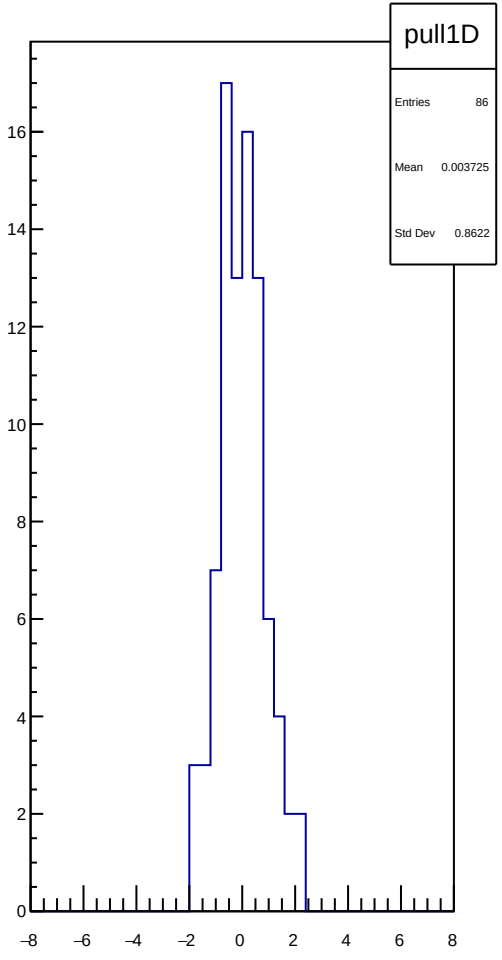

pull1D
Entries 86
Mean −0.04674
Std Dev 0.9442
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

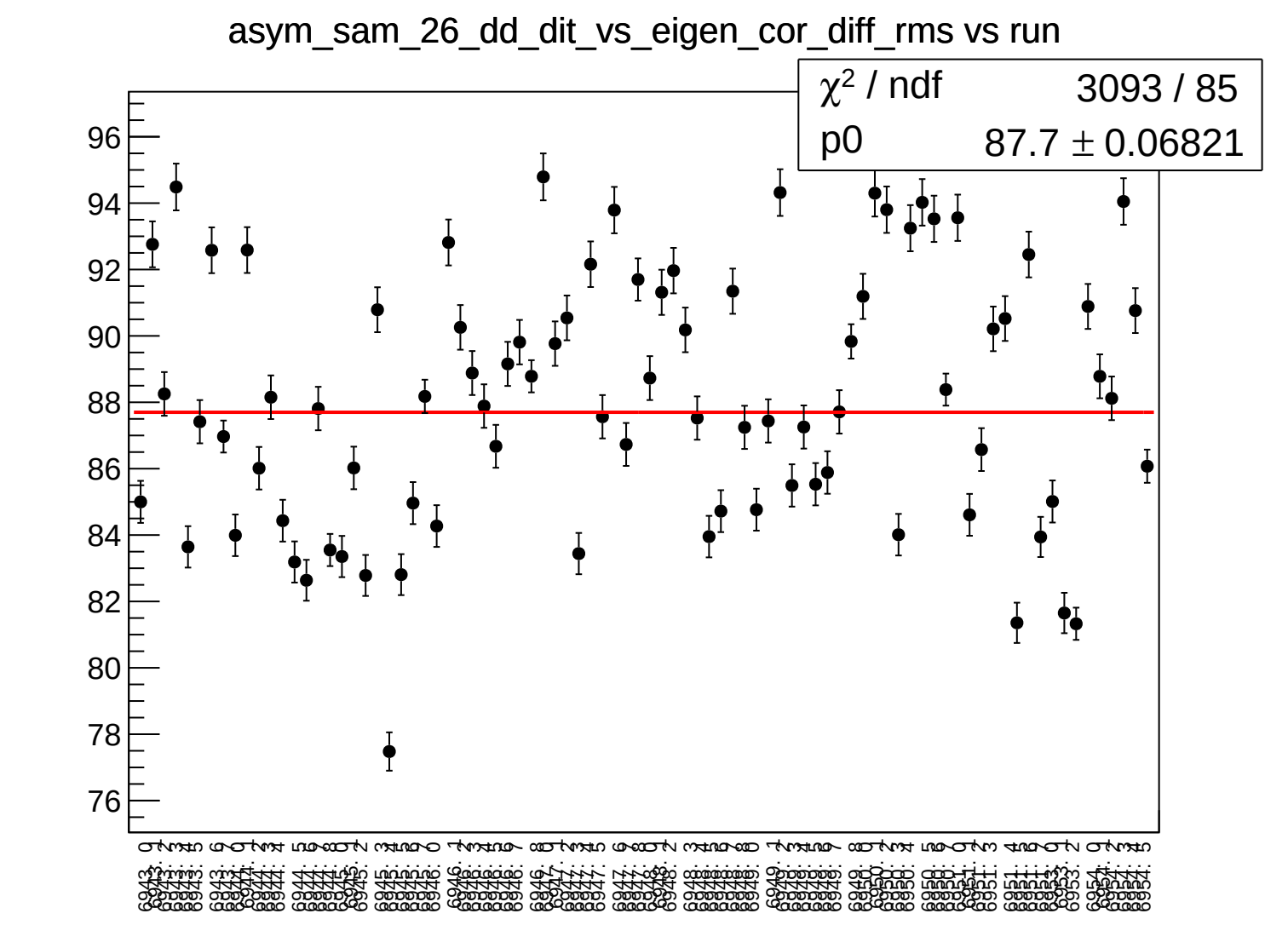

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.585e+05 / 85
p0 6.606e−11 ± 7.397e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

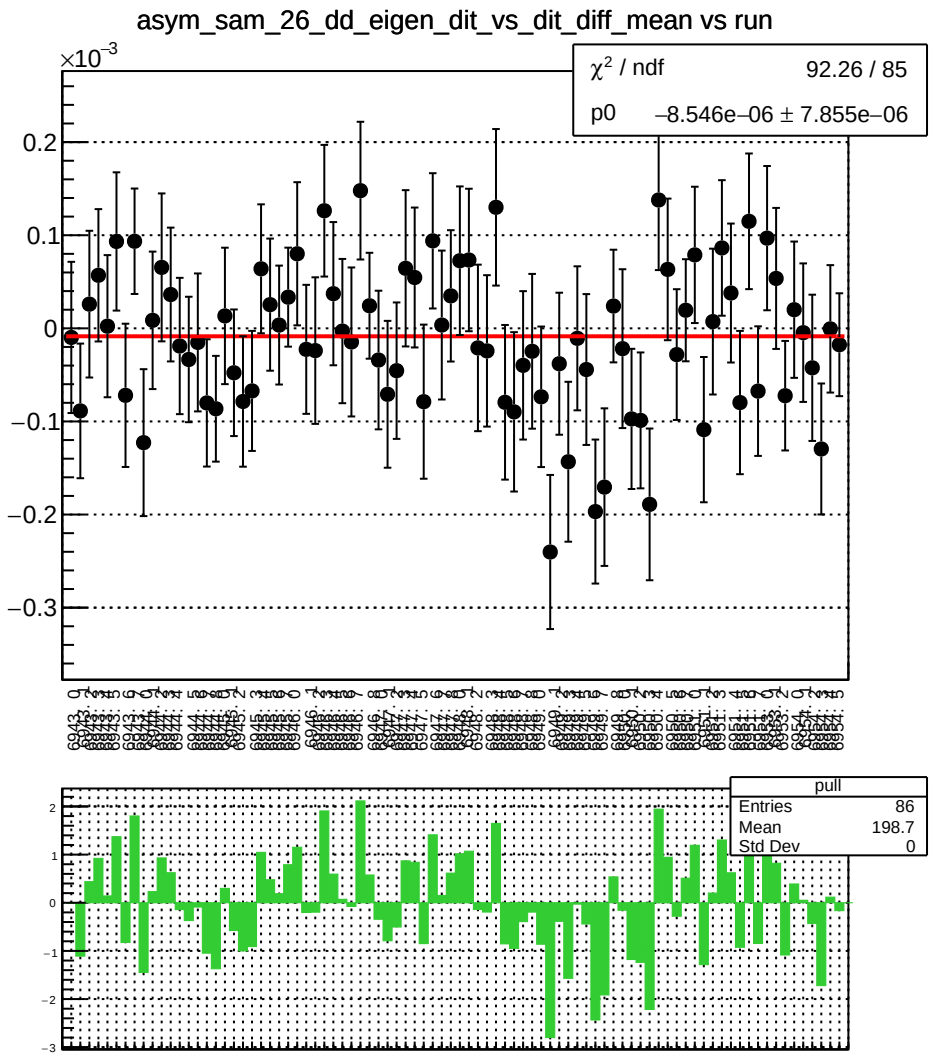

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.94 / 85
p0 −0.08038 ± 0.09646
pull
Entries 86
Mean −160.9
Std Dev 0
pull1D
Entries 86
Mean 0.003725
Std Dev 0.8622

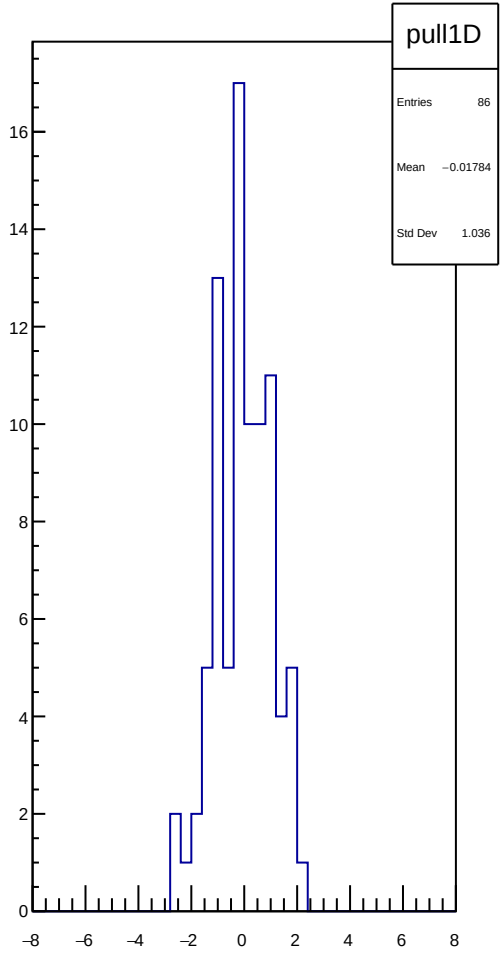

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3093 / 85
p0 87.7 ± 0.06821
96
94
92
90
88
86
84
82
80
78
76

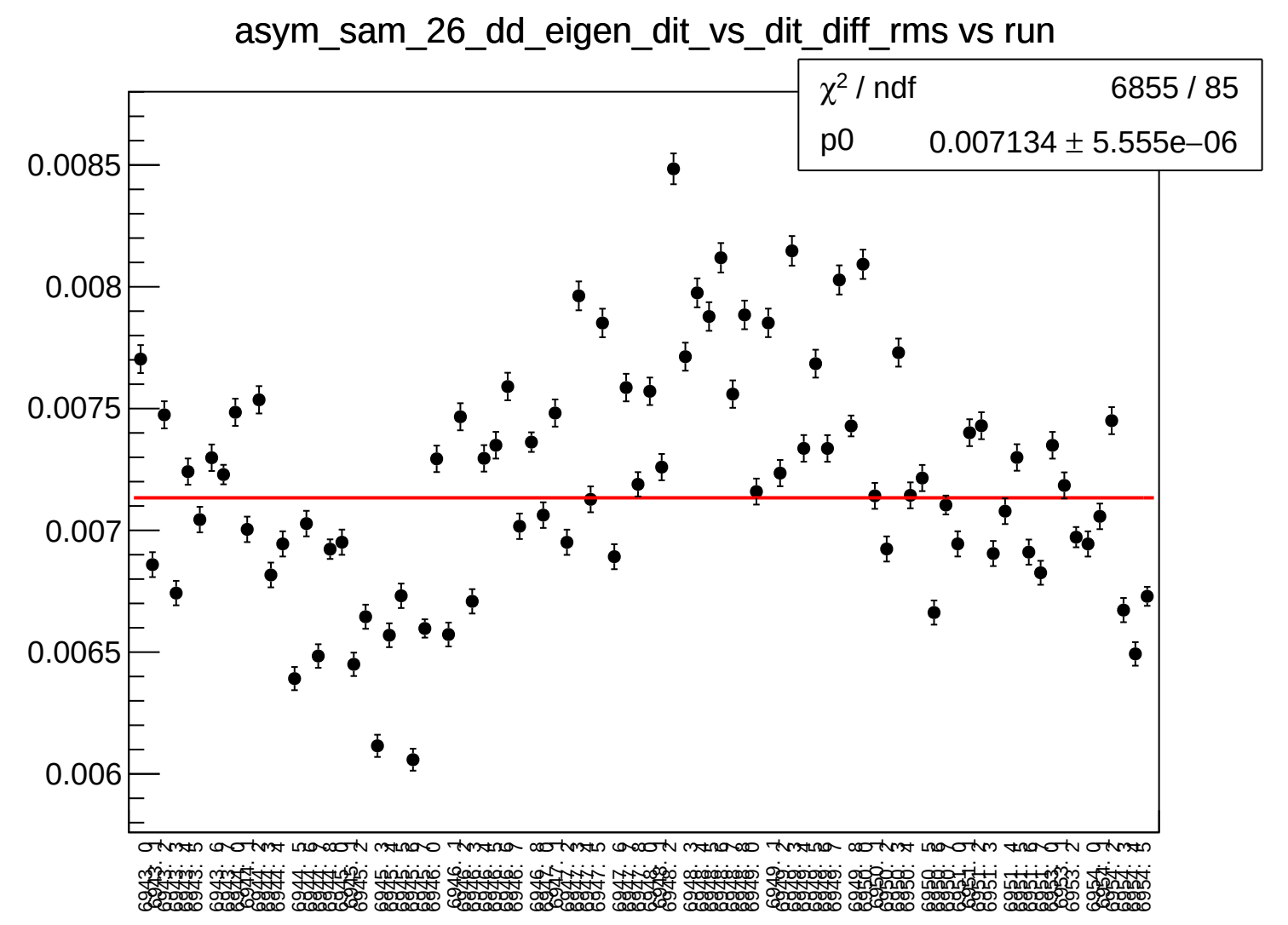

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.94 / 85
p0 −0.08038 ± 0.09646
pull
Entries 86
Mean −160.9
Std Dev 0

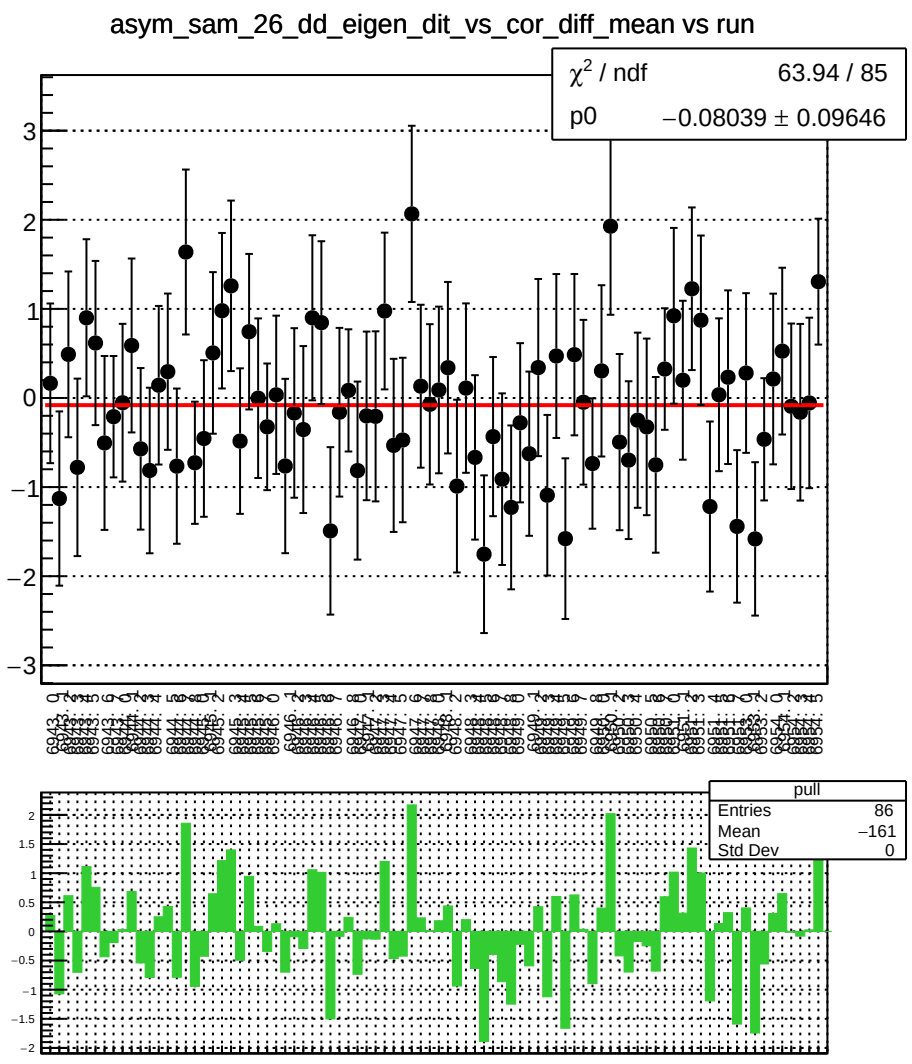

pull1D
Entries 86
Mean 0.003725
Std Dev 0.8622

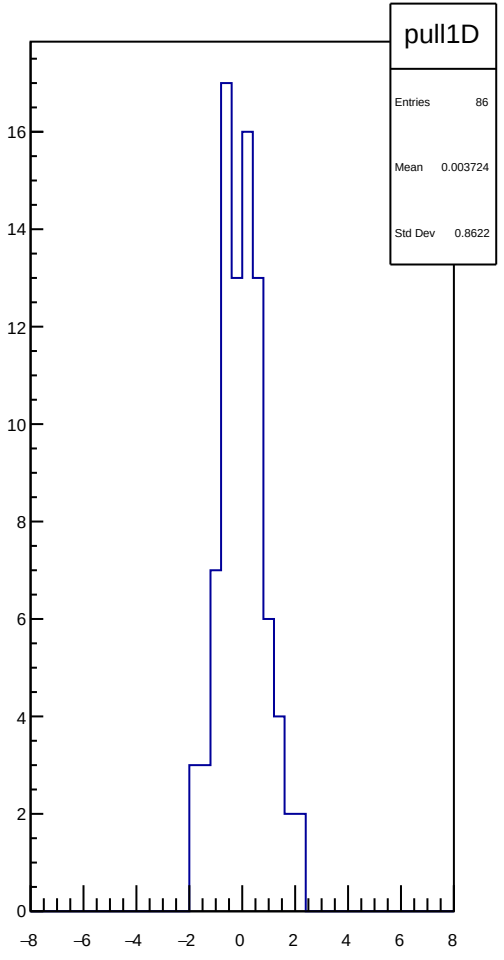

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3093 / 85
p0 87.7 ± 0.06821
96
94
92
90
88
86
84
82
80
78
76

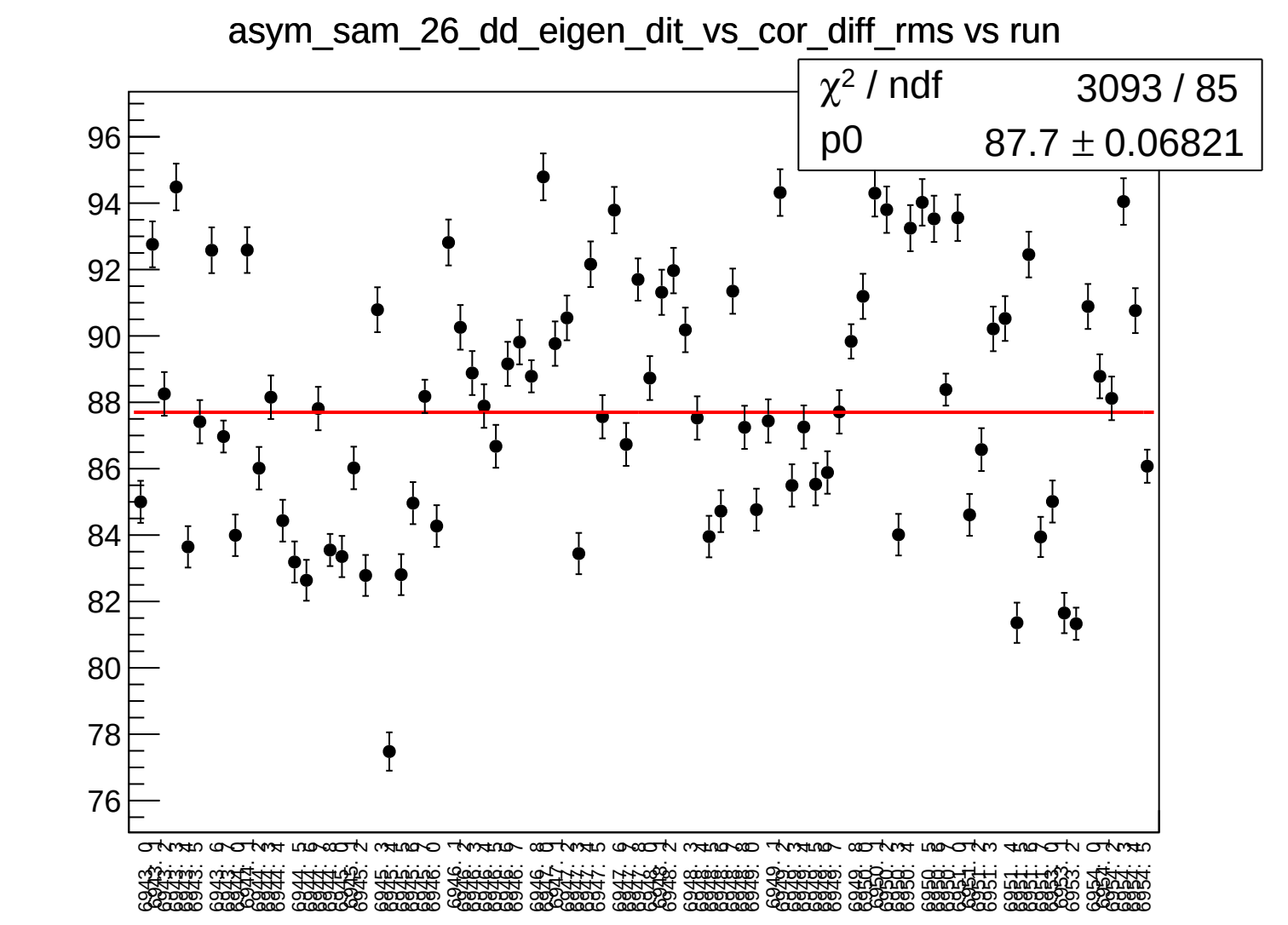

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 92.26 / 85
p0 −8.546e−06 ± 7.855e−06
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 86
Mean 198.7
Std Dev 0
2
1
0
−1
−2
−3

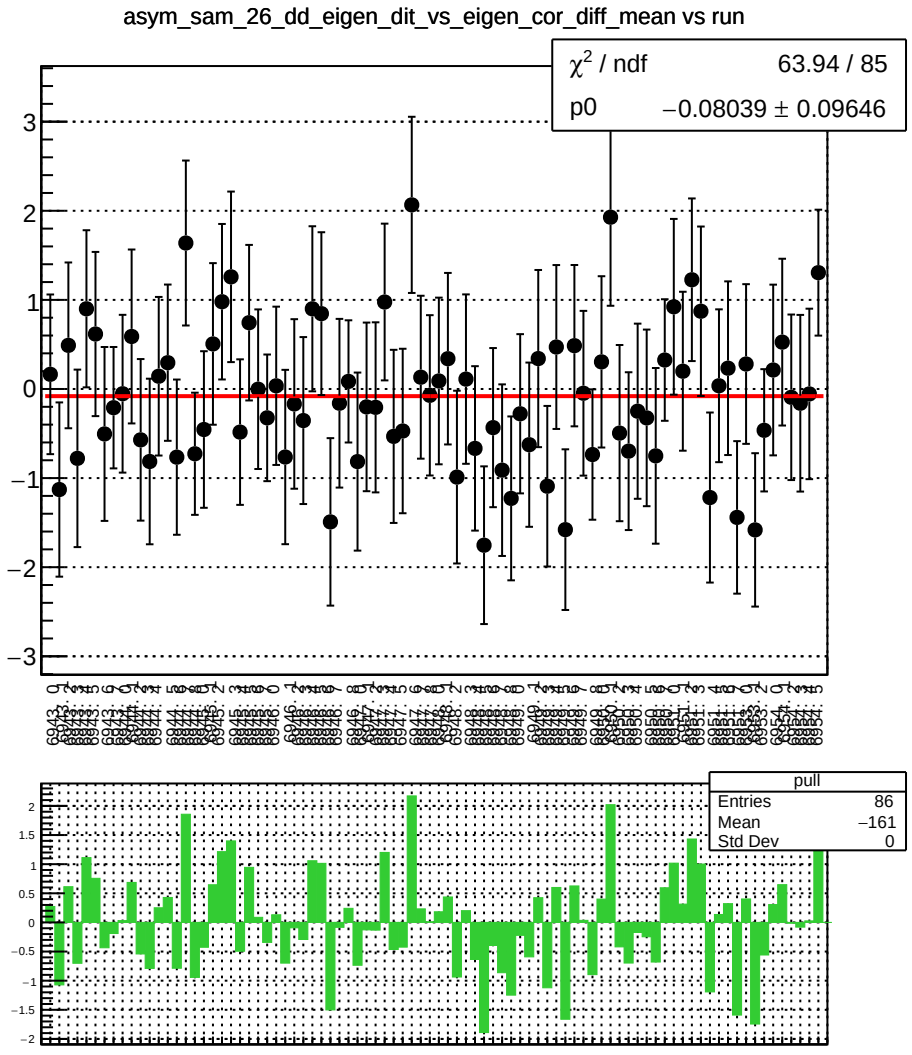

pull1D
Entries 86
Mean −0.01784
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

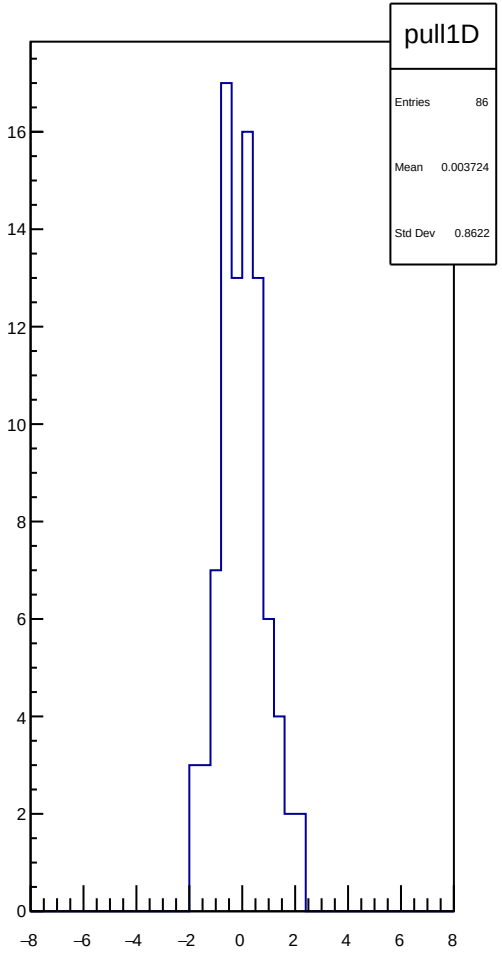

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6855 / 85
p0 0.007134 ± 5.555e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006

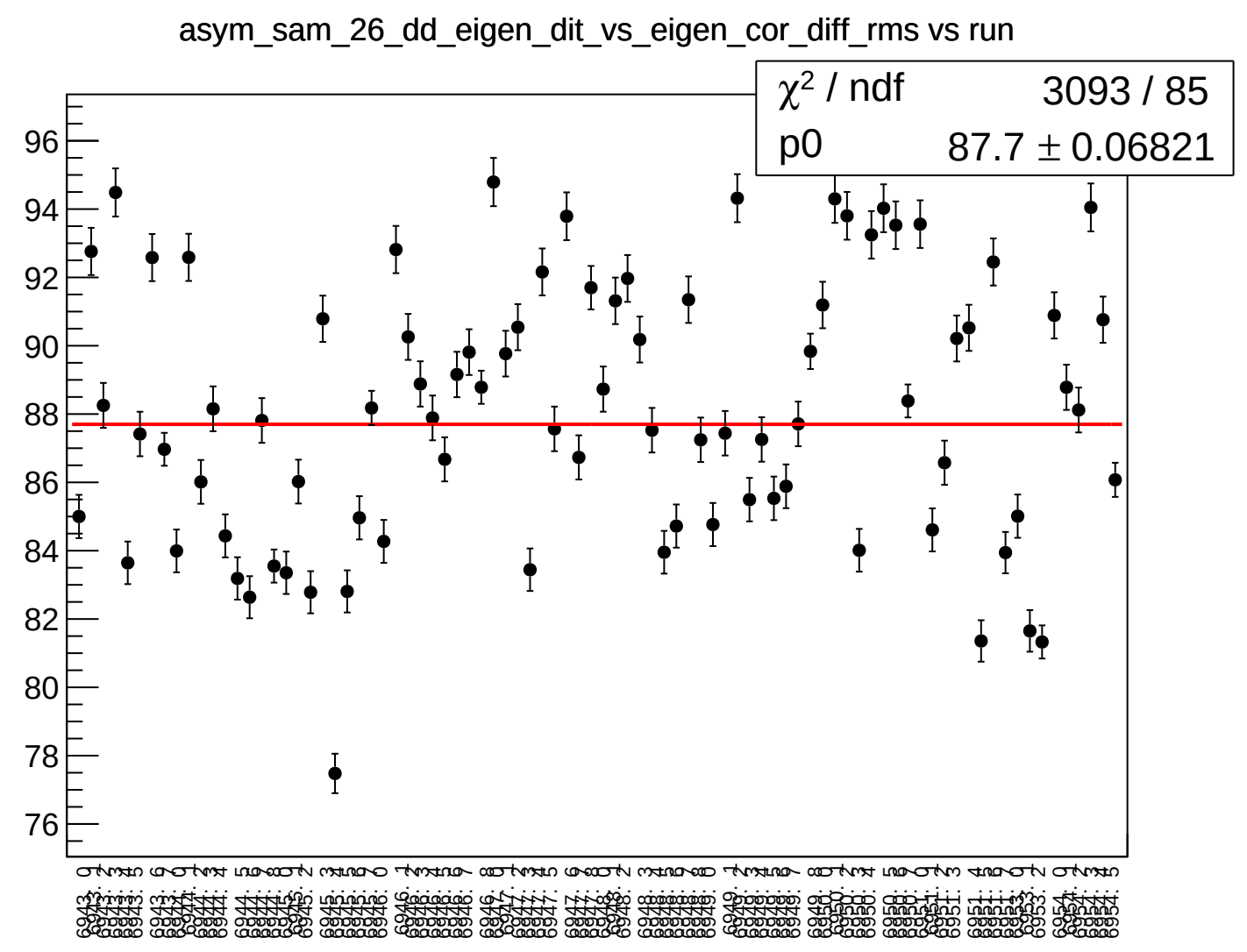

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.94 / 85
p0 −0.08039 ± 0.09646
pull
Entries 86
Mean −161
Std Dev 0

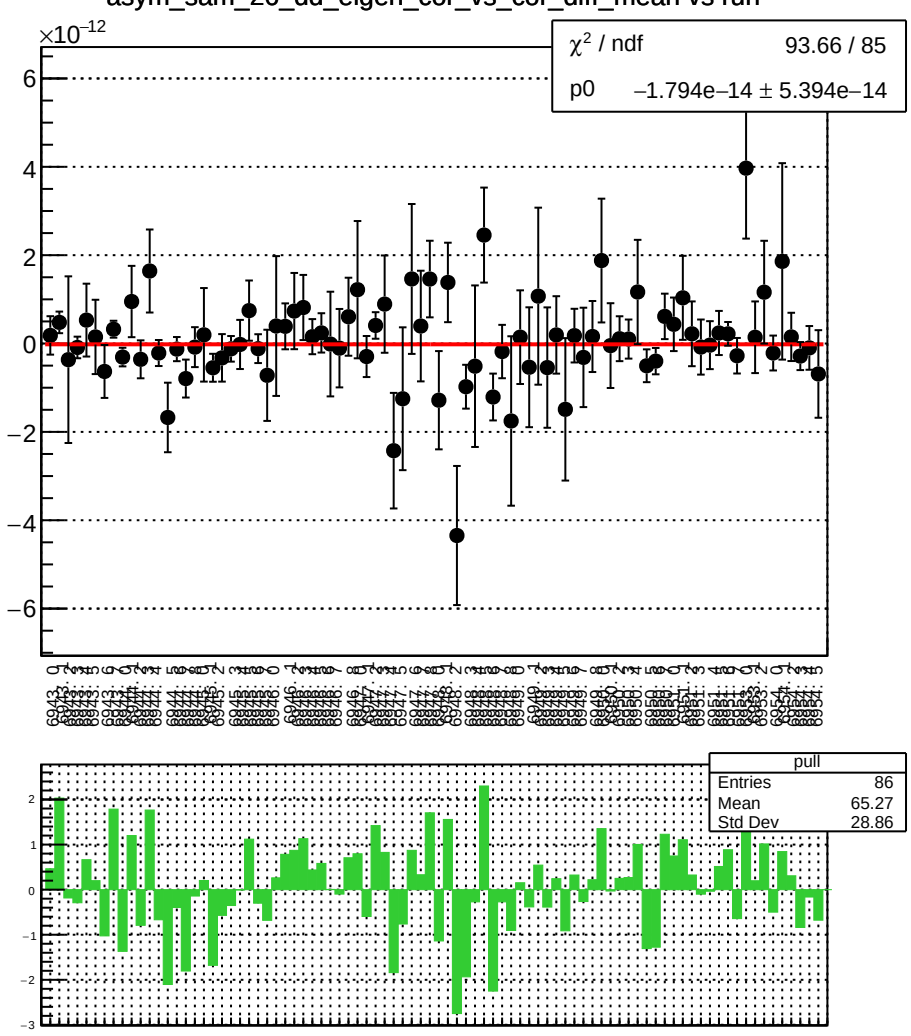

pull1D
Entries 86
Mean 0.003724
Std Dev 0.8622

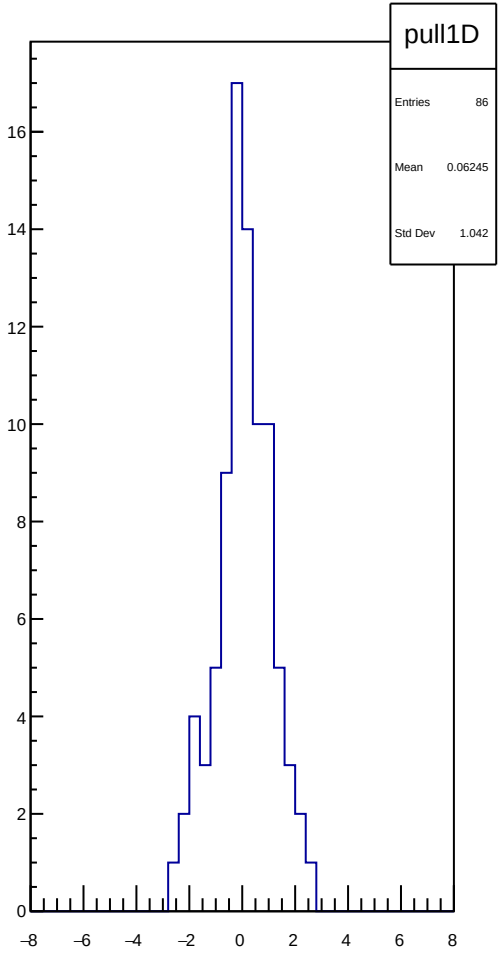

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3093 / 85
p0 87.7 ± 0.06821
96
94
92
90
88
86
84
82
80
78
76

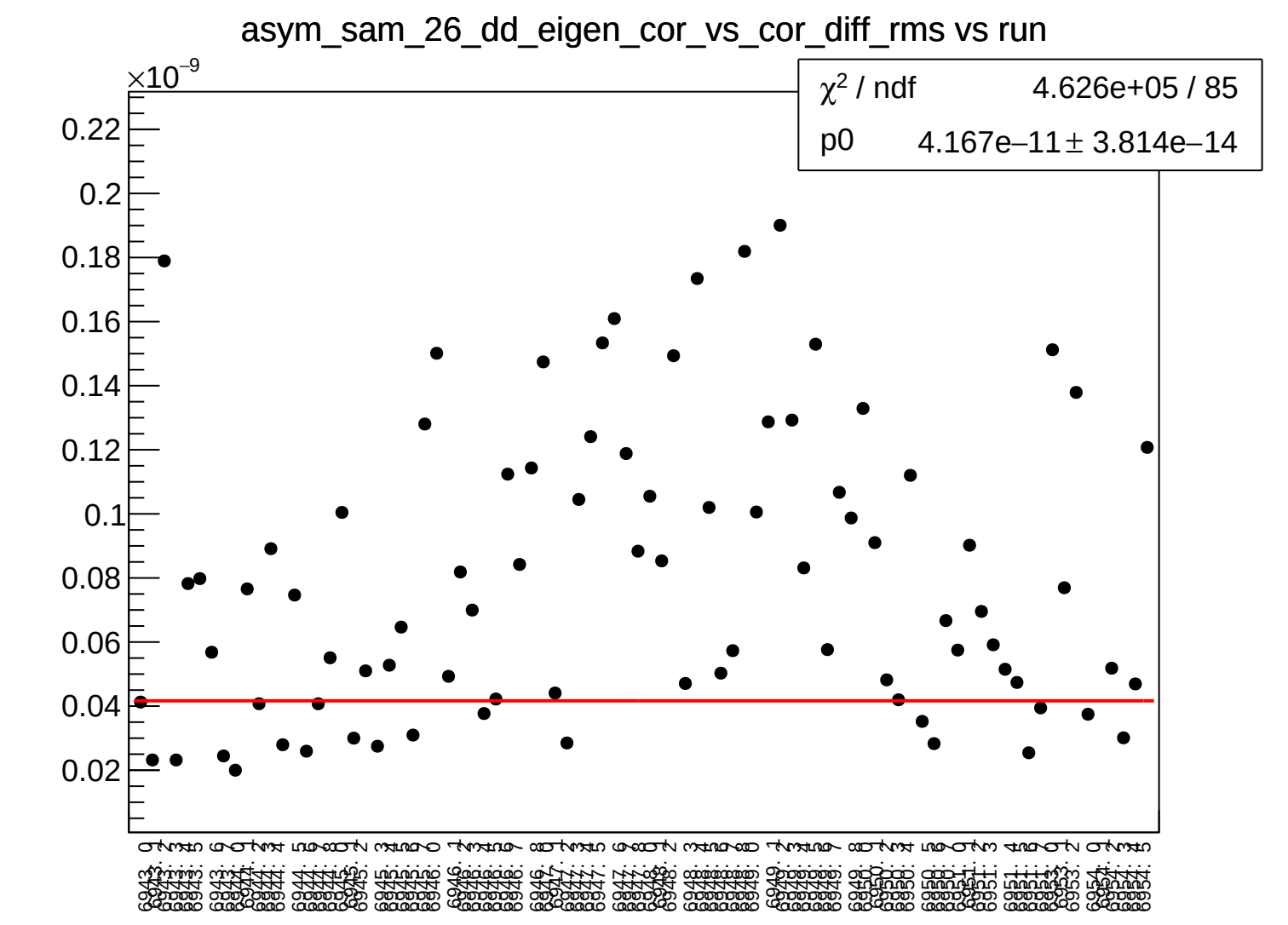

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.94 / 85
p0 −0.08039 ± 0.09646
pull
Entries 86
Mean −161
Std Dev 0

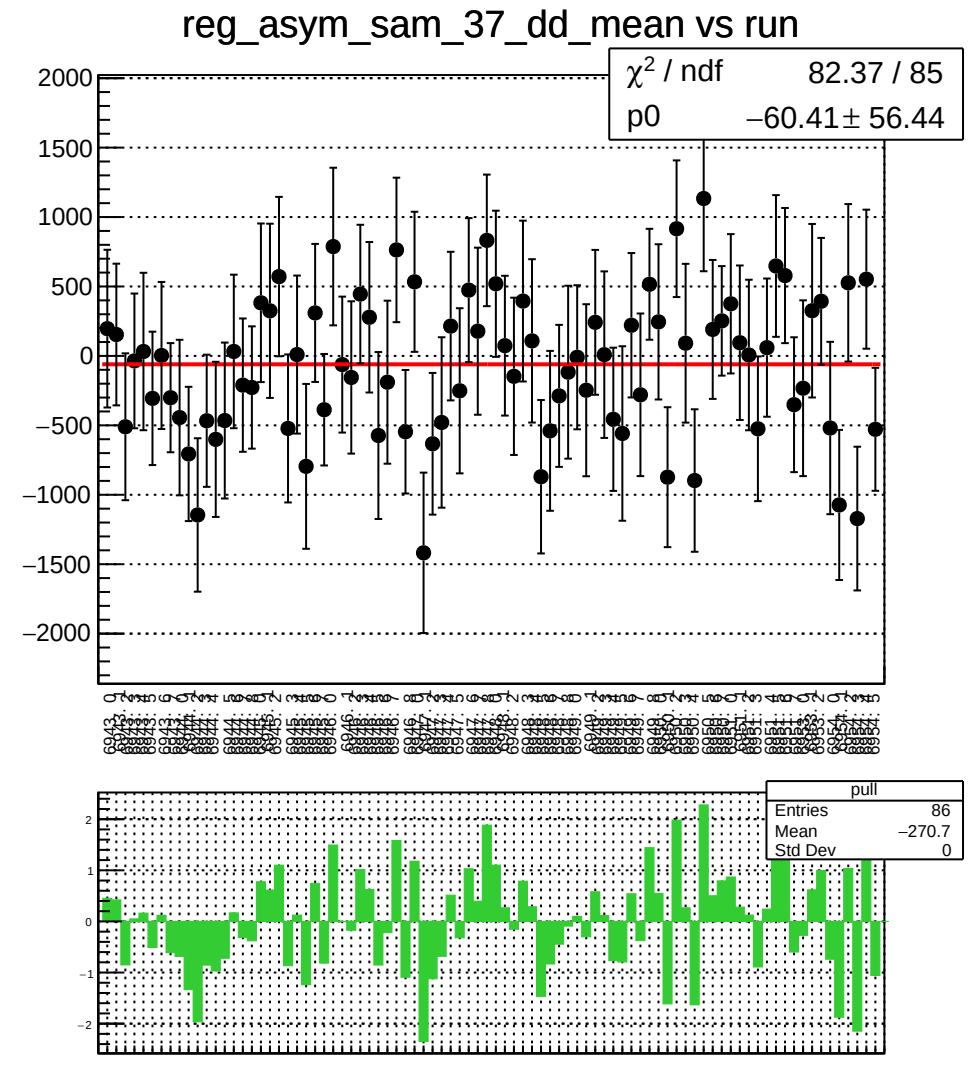

pull1D
Entries 86
Mean 0.003724
Std Dev 0.8622

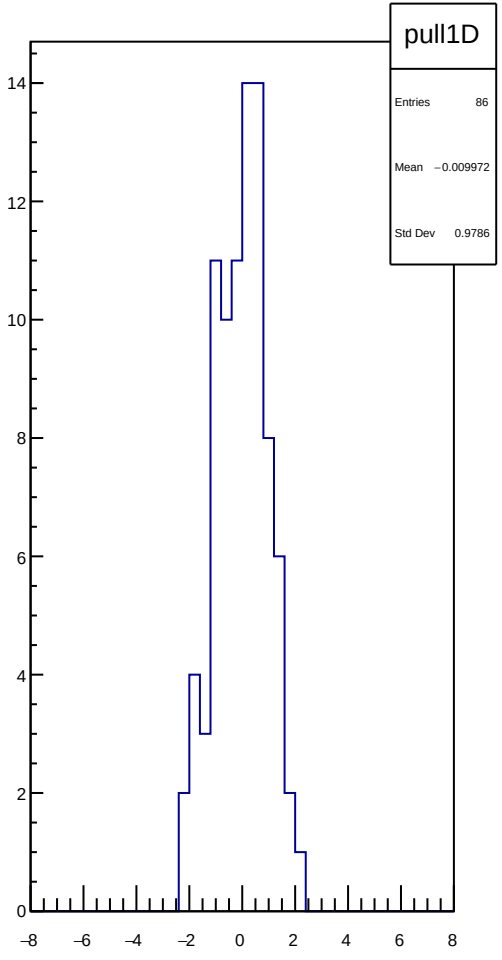

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3093 / 85
p0 87.7 ± 0.06821
96
94
92
90
88
86
84
82
80
78
76

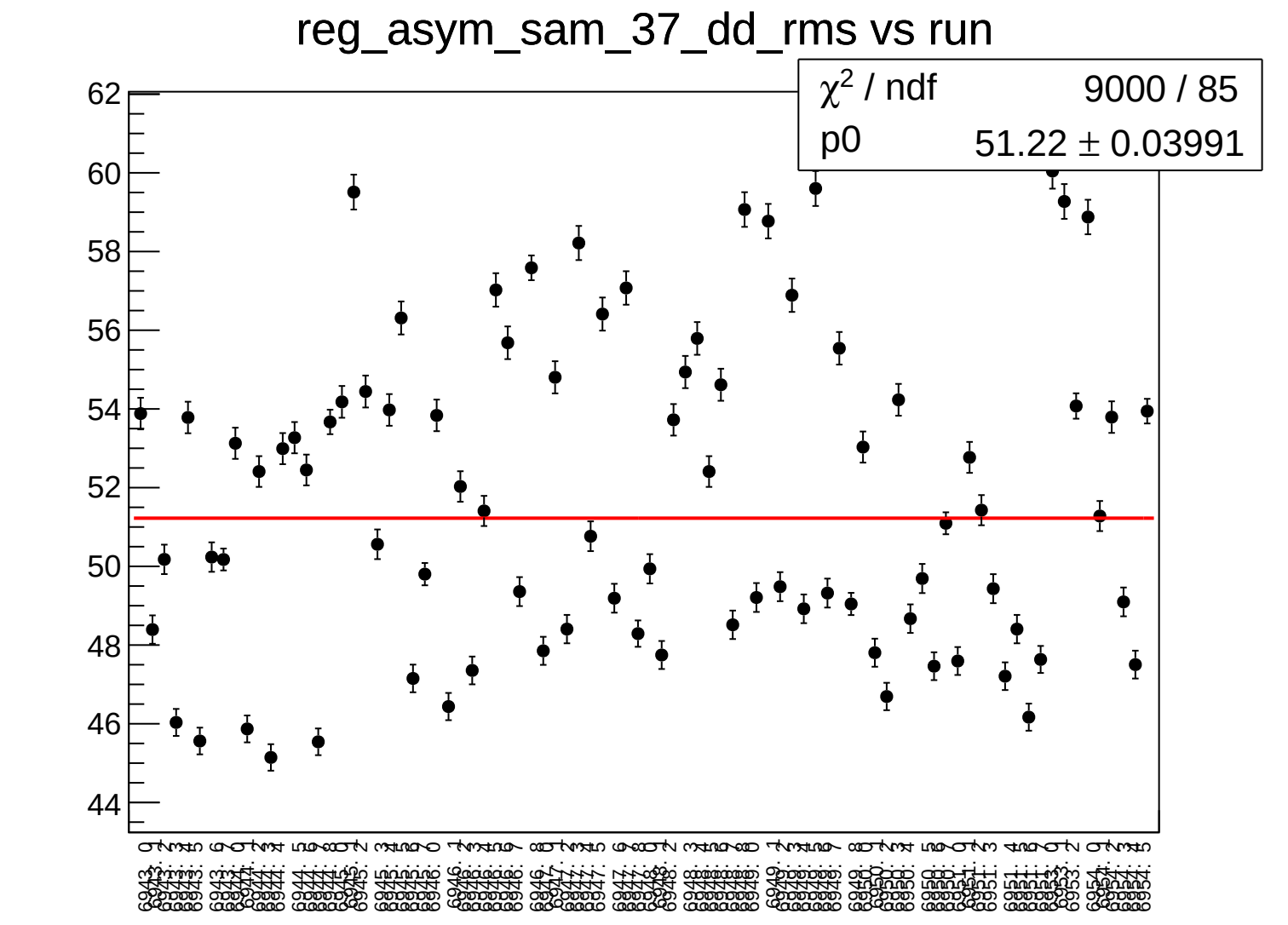

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.66 / 85
p0 −1.794e−14 ± 5.394e−14
pull
Entries 86
Mean 65.27
Std Dev 28.86

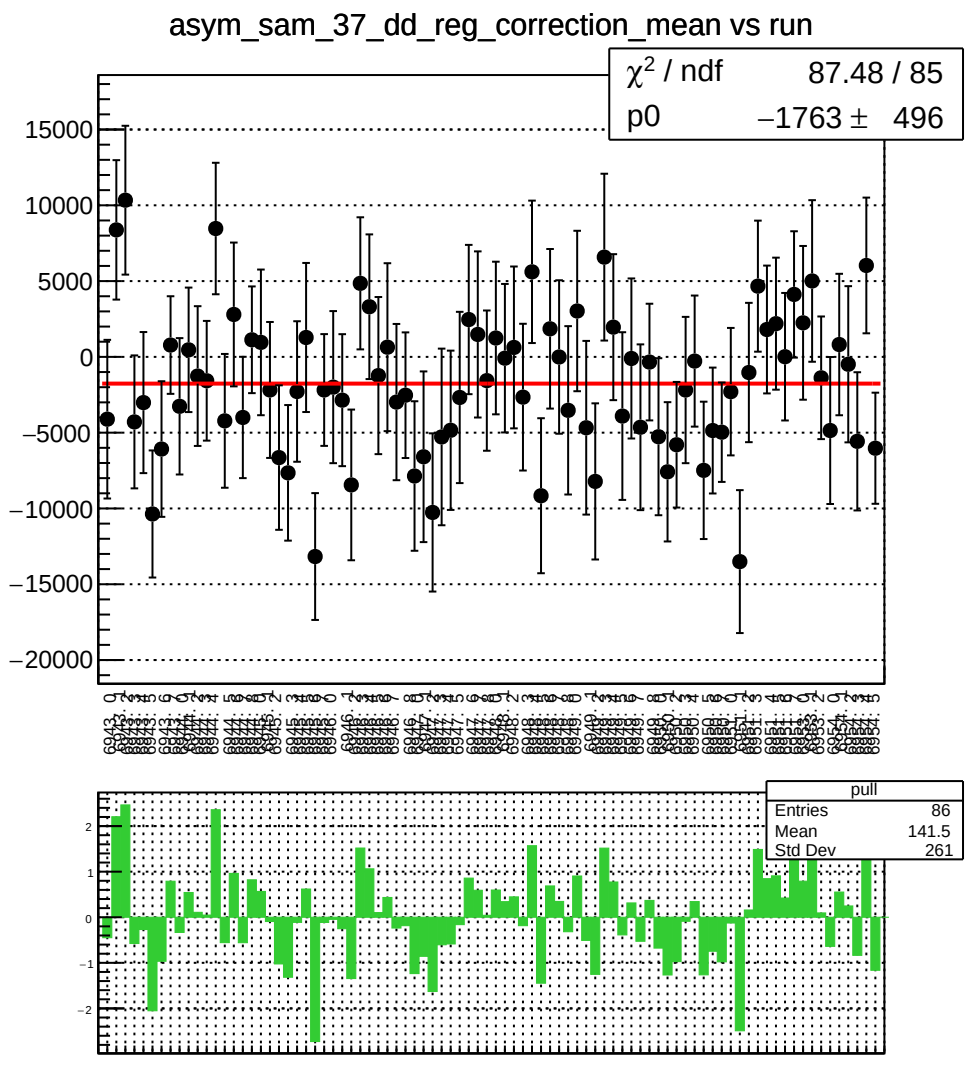

pull1D
Entries 86
Mean 0.06245
Std Dev 1.042

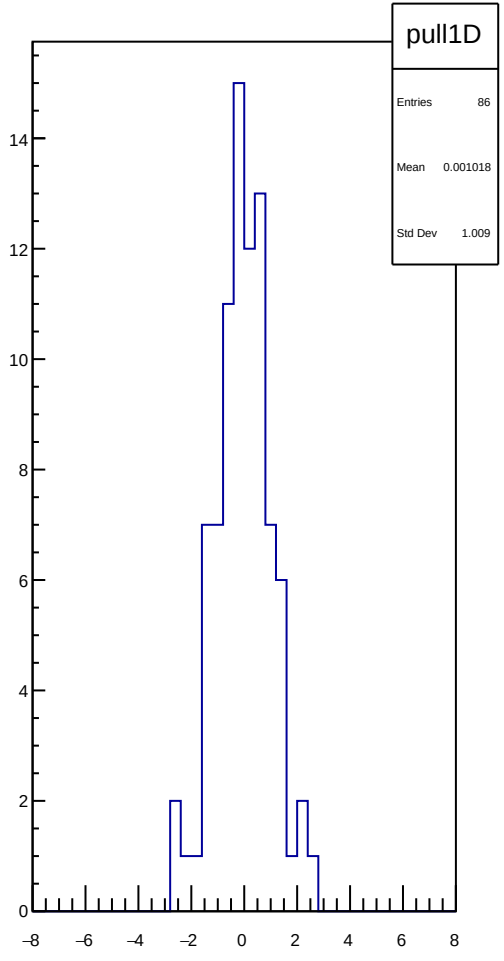

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.626e+05 / 85
p0 4.167e−11 ± 3.814e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

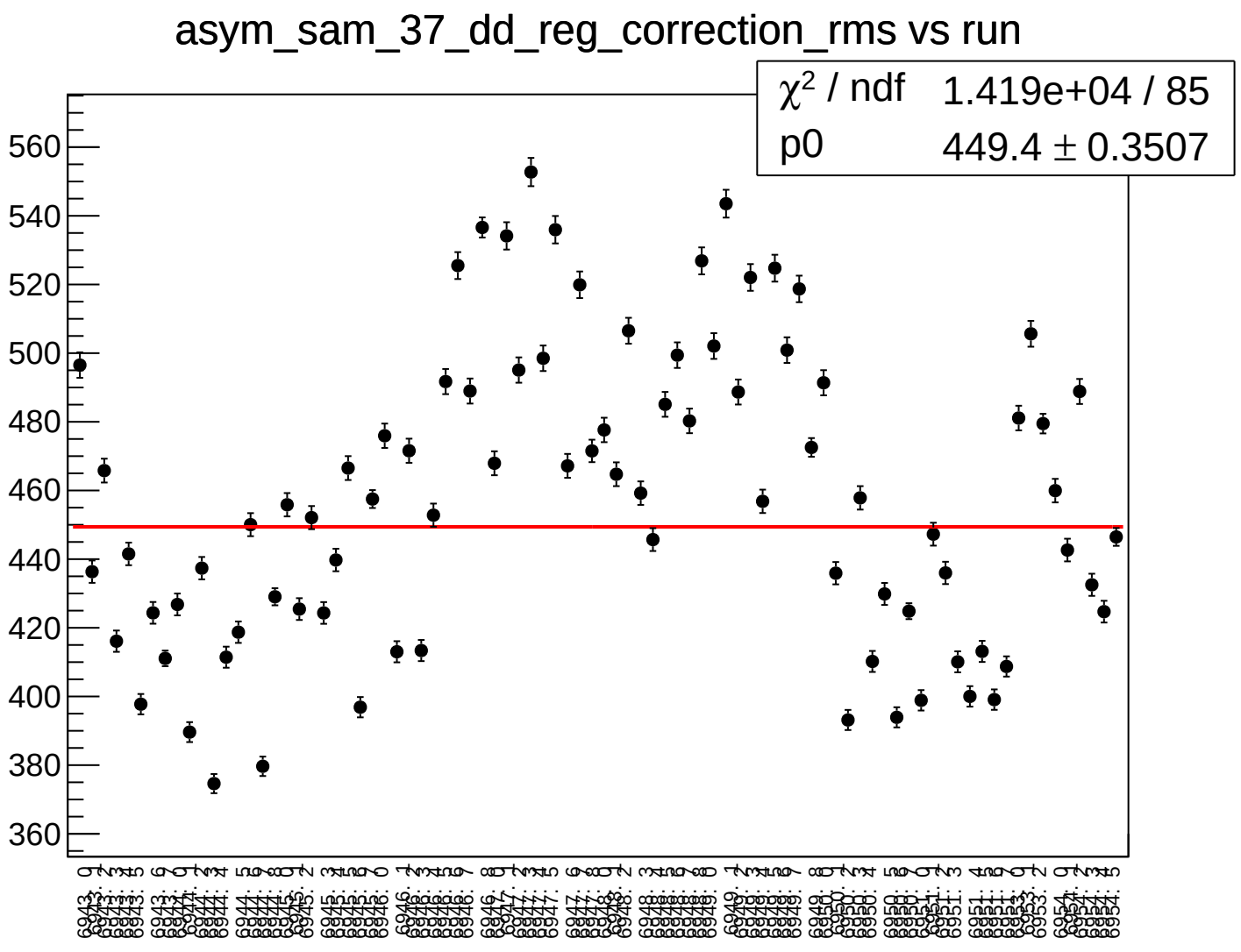

reg_asym_sam_37_dd_mean vs run
χ² / ndf 82.37 / 85
p0 −60.41 ± 56.44
pull
Entries 86
Mean −270.7
Std Dev 0

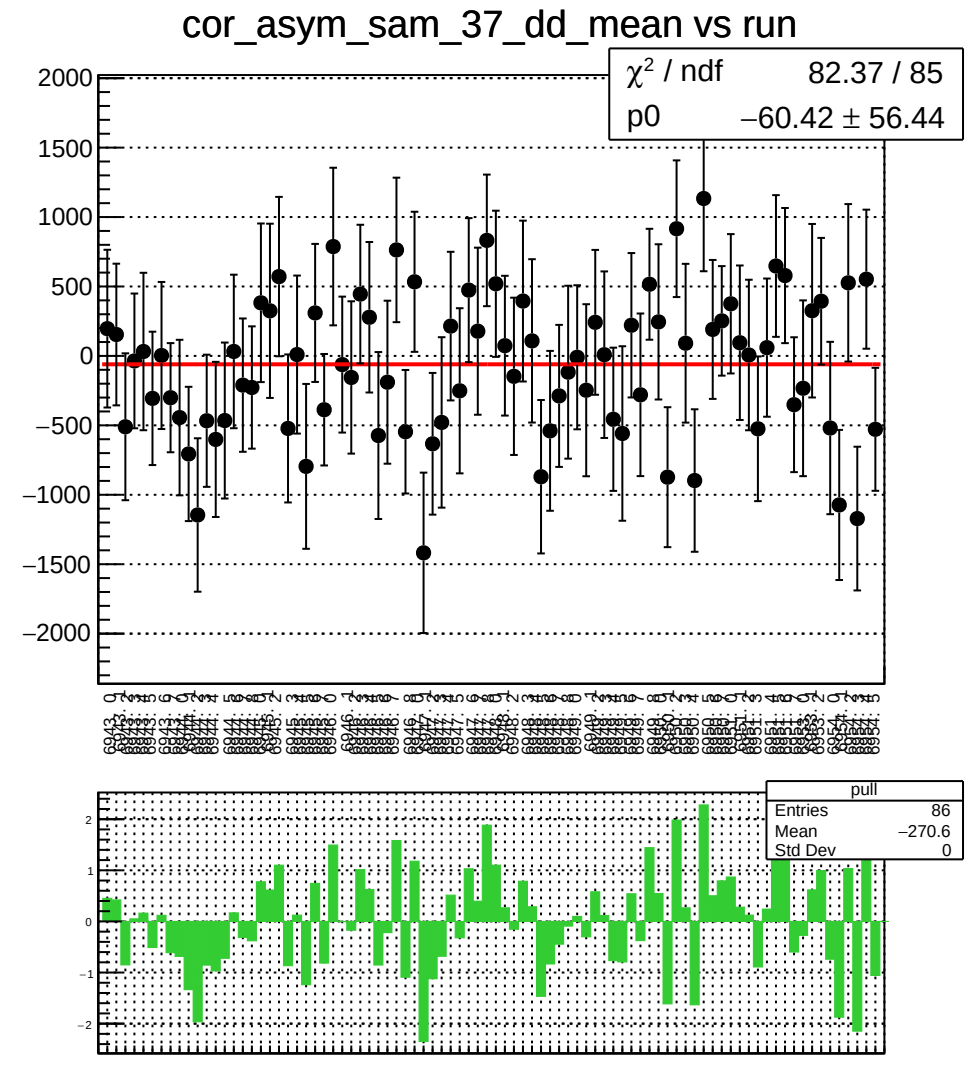

pull1D
Entries 86
Mean −0.009972
Std Dev 0.9786

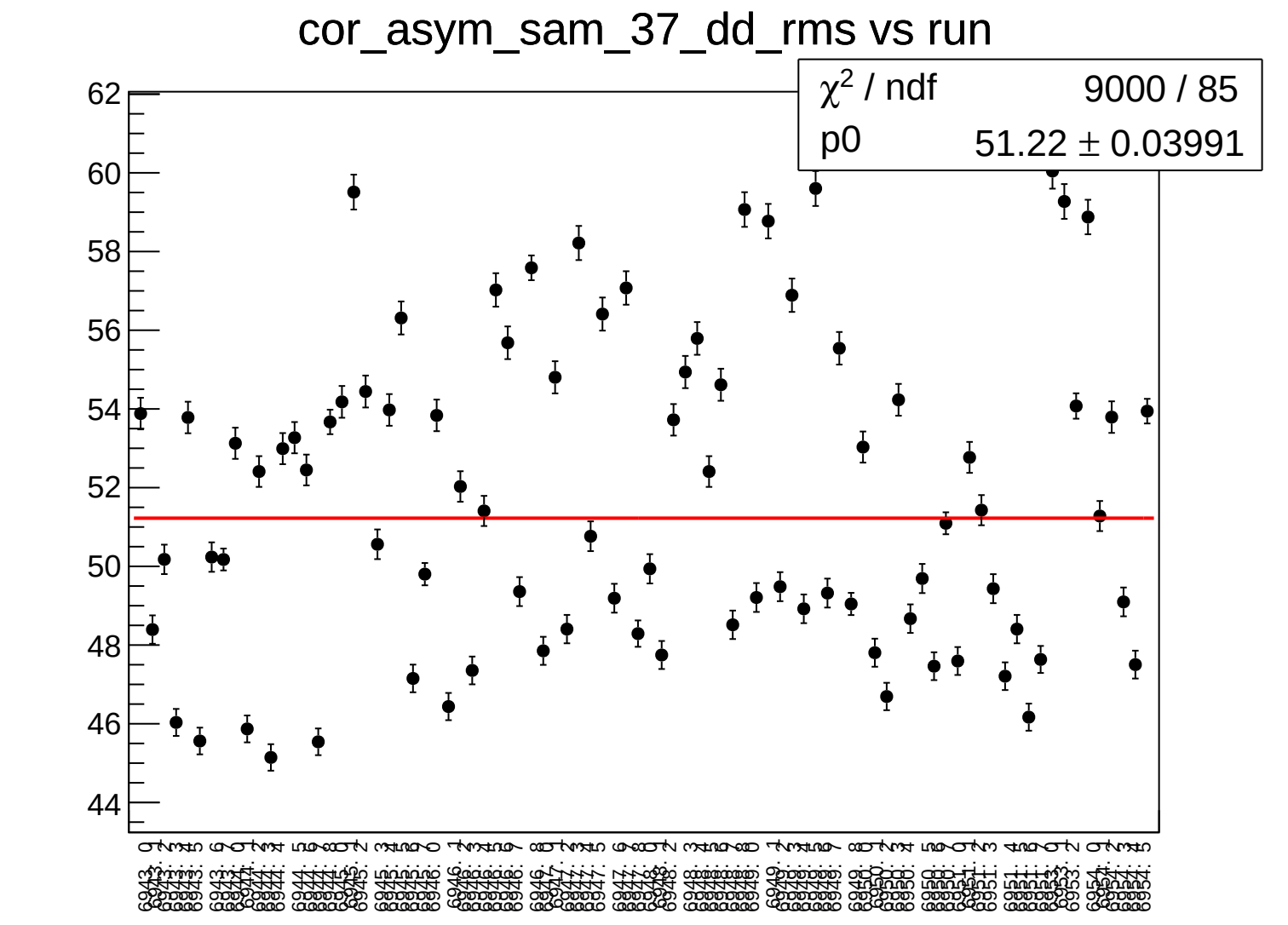

reg_asym_sam_37_dd_rms vs run
χ² / ndf 9000 / 85
p0 51.22 ± 0.03991
62
60
58
56
54
52
50
48
46
44

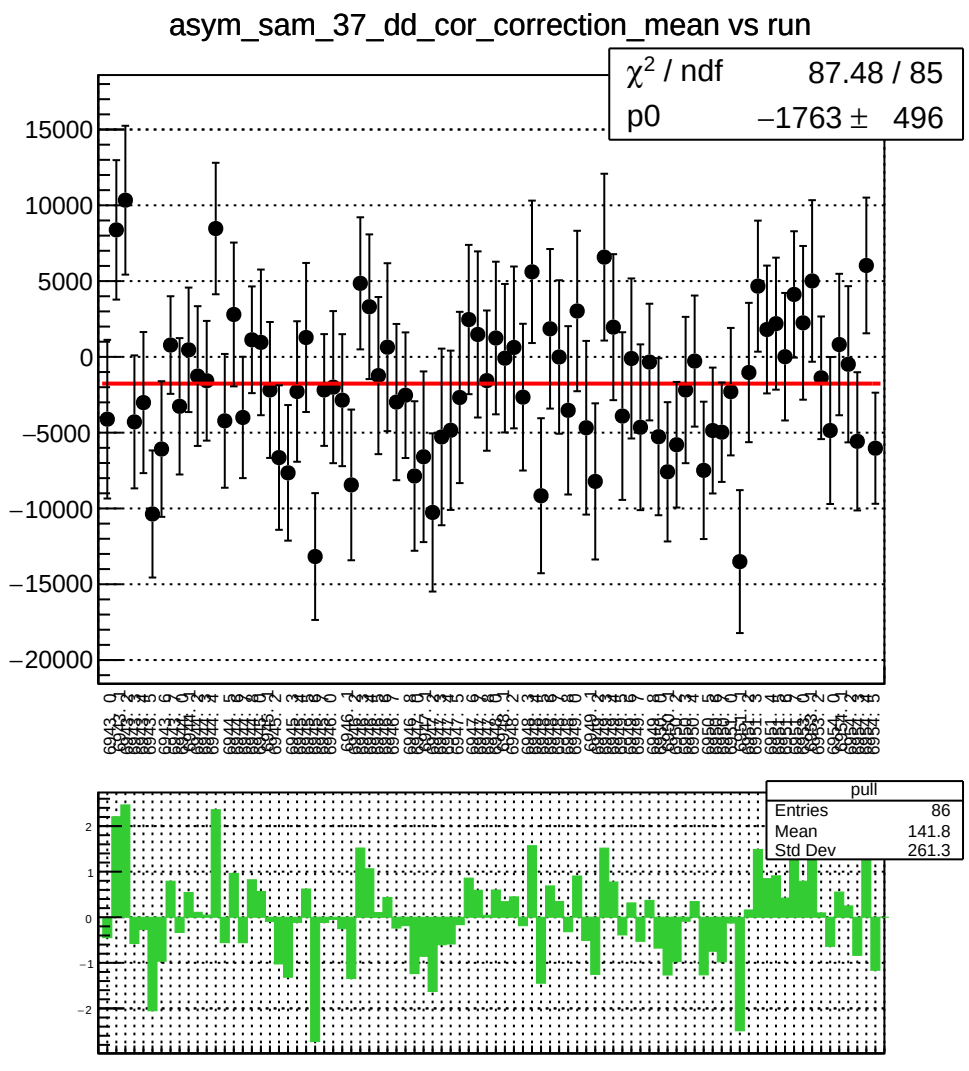

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 87.48 / 85
p0 −1763 ± 496
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 141.5
Std Dev 261
2
1
0
−1
−2

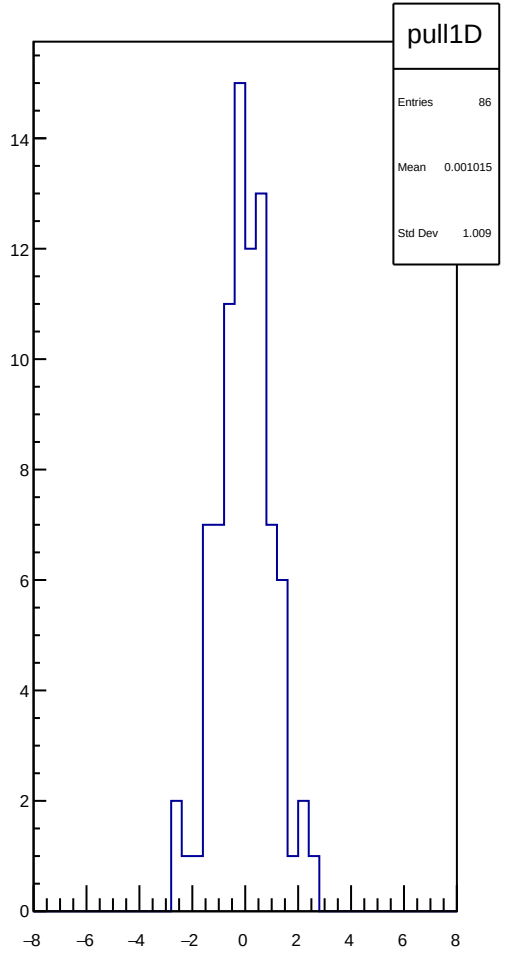

pull1D
Entries 86
Mean 0.001018
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

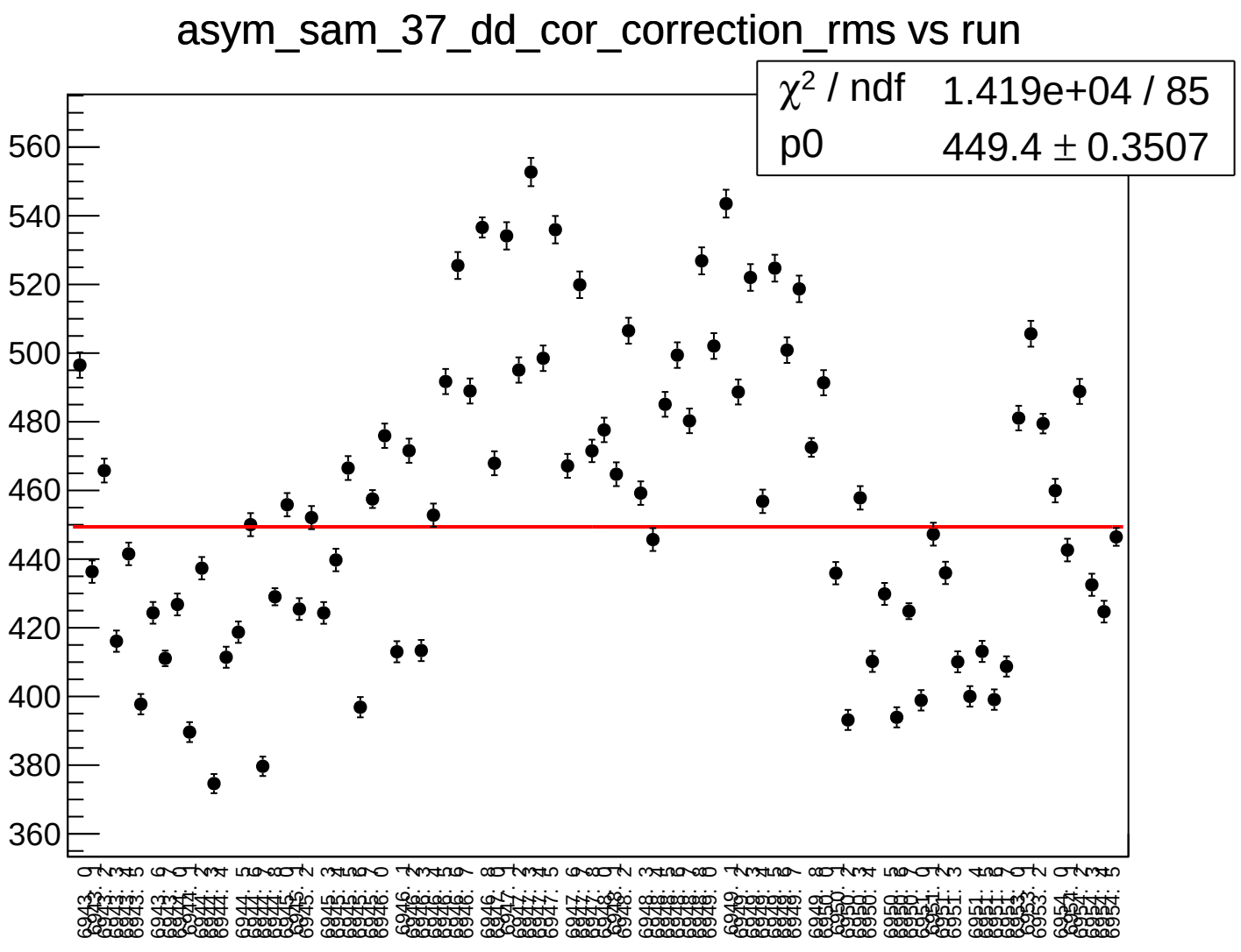

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1.419e+04 / 85
p0 449.4 ± 0.3507
560
540
520
500
480
460
440
420
400
380
360

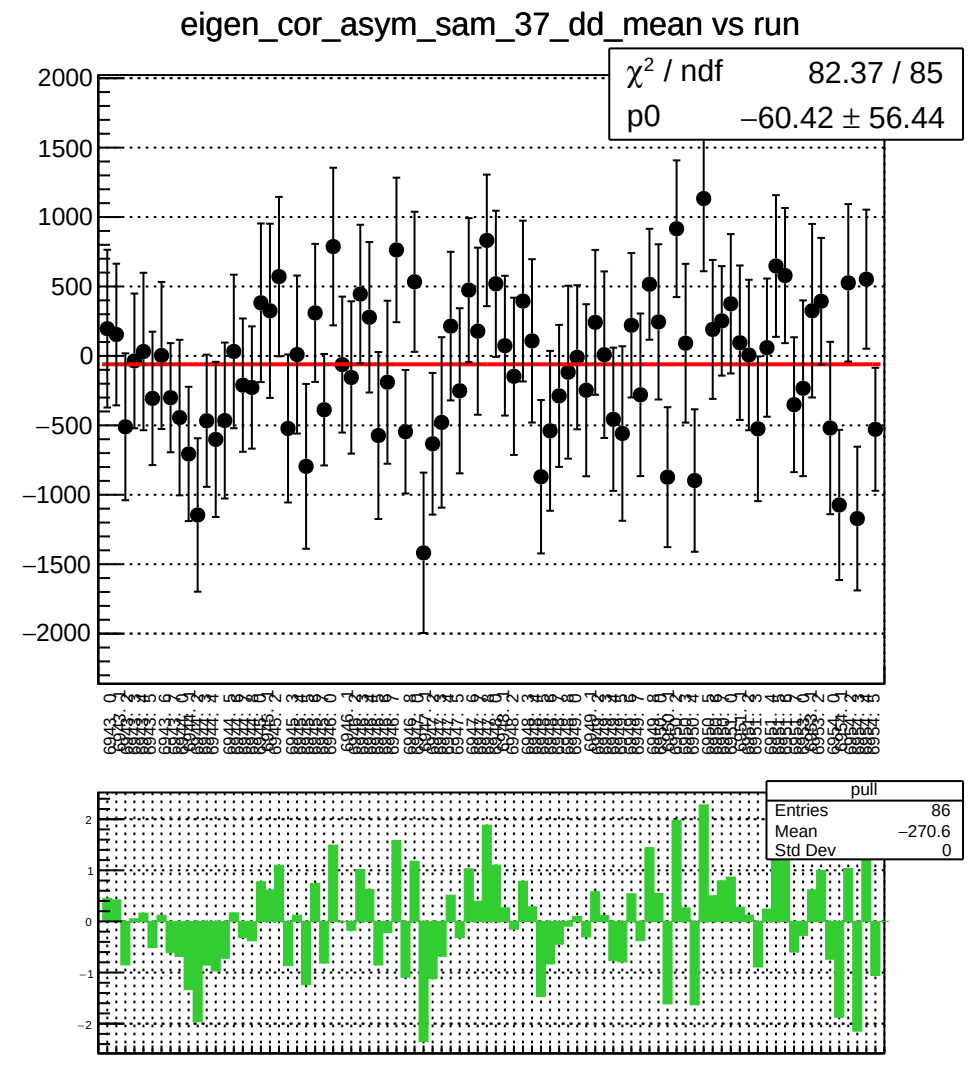

cor_asym_sam_37_dd_mean vs run
χ² / ndf 82.37 / 85
p0 −60.42 ± 56.44
pull
Entries 86
Mean −270.6
Std Dev 0
pull1D
Entries 86
Mean −0.009974
Std Dev 0.9786

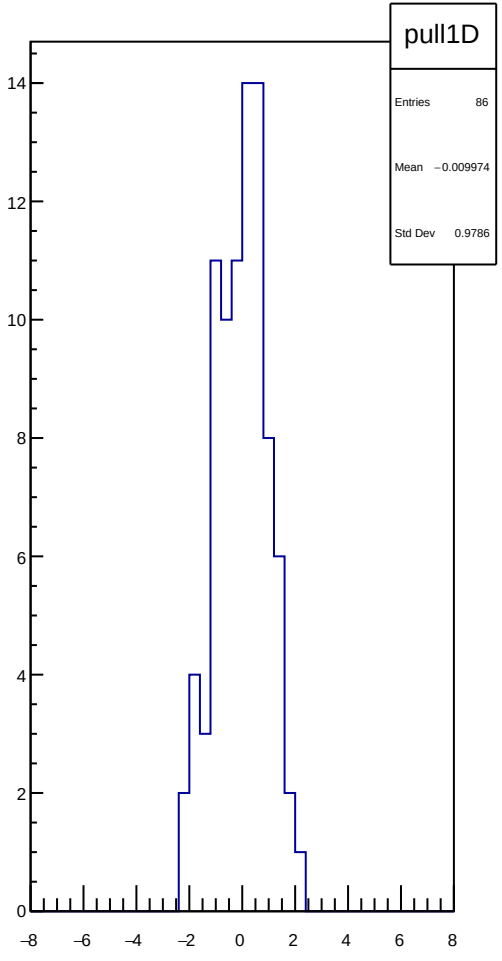

cor_asym_sam_37_dd_rms vs run
χ² / ndf 9000 / 85
p0 51.22 ± 0.03991
62
60
58
56
54
52
50
48
46
44

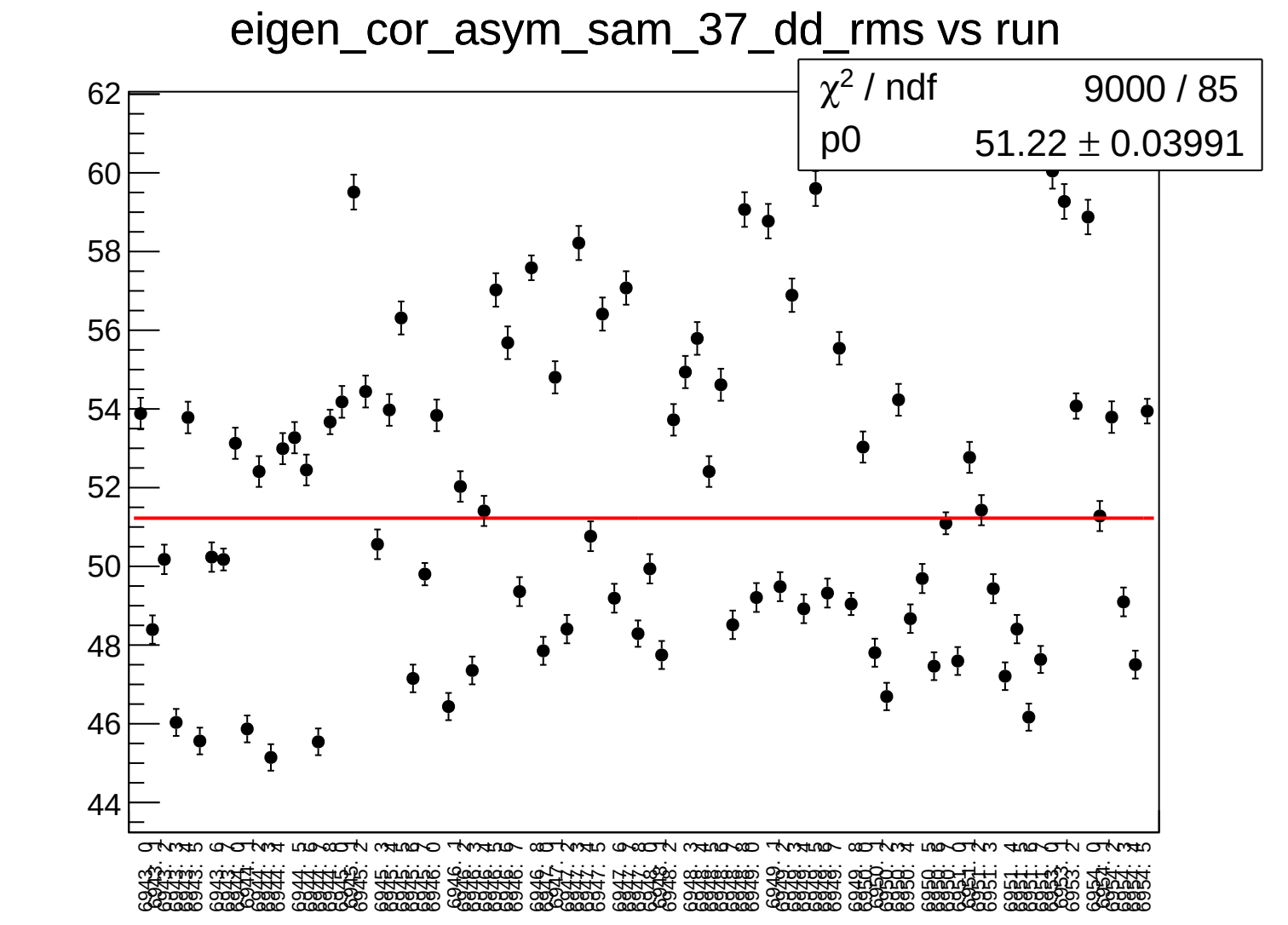

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 87.48 / 85
p0 −1763 ± 496
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 141.8
Std Dev 261.3
2
1
0
−1
−2

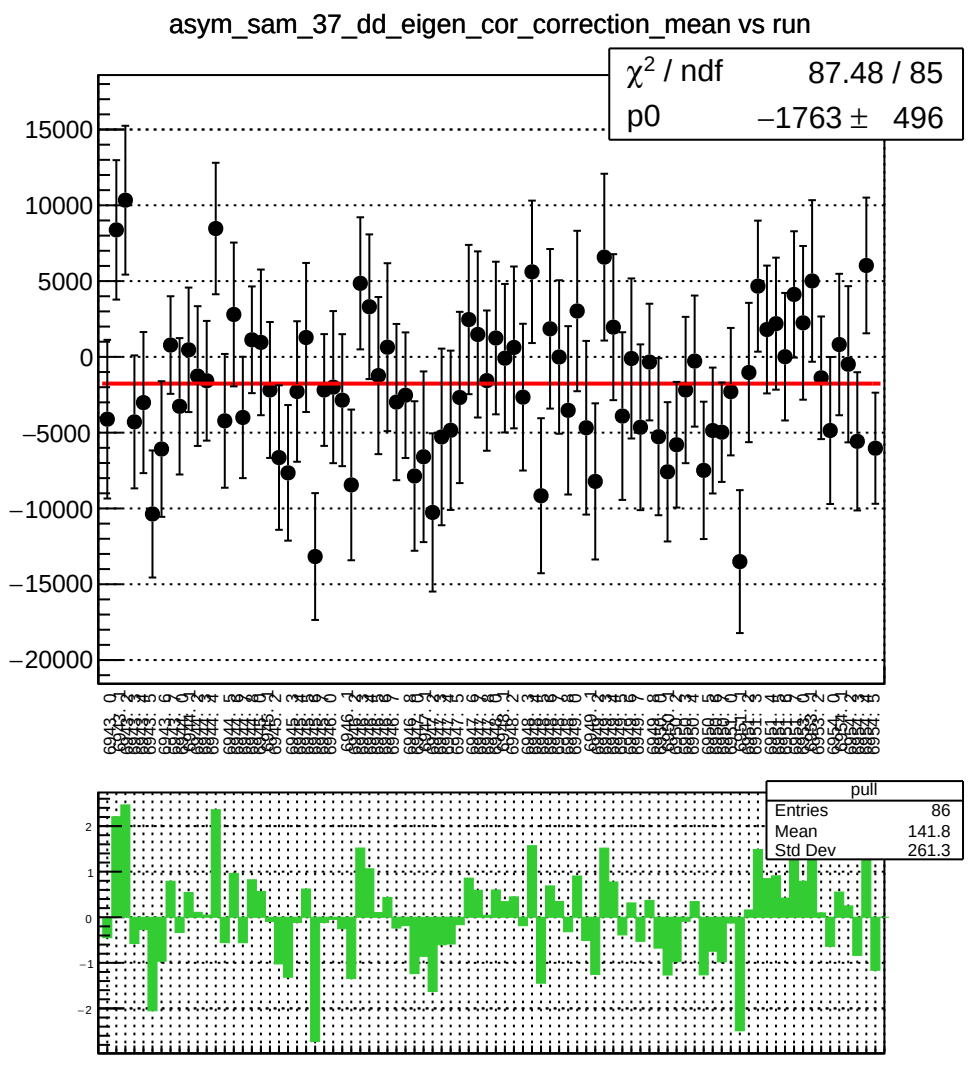

pull1D
Entries 86
Mean 0.001015
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

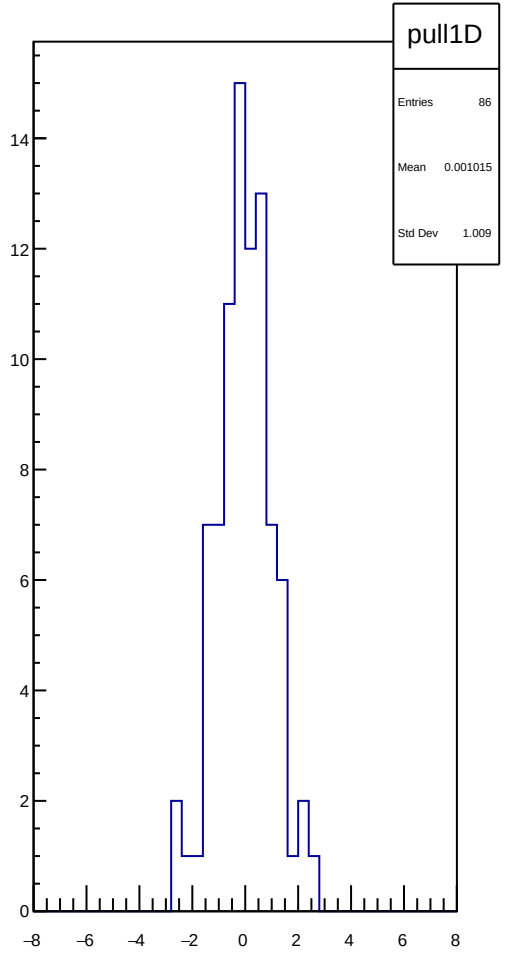

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1.419e+04 / 85
p0 449.4 ± 0.3507
560
540
520
500
480
460
440
420
400
380
360

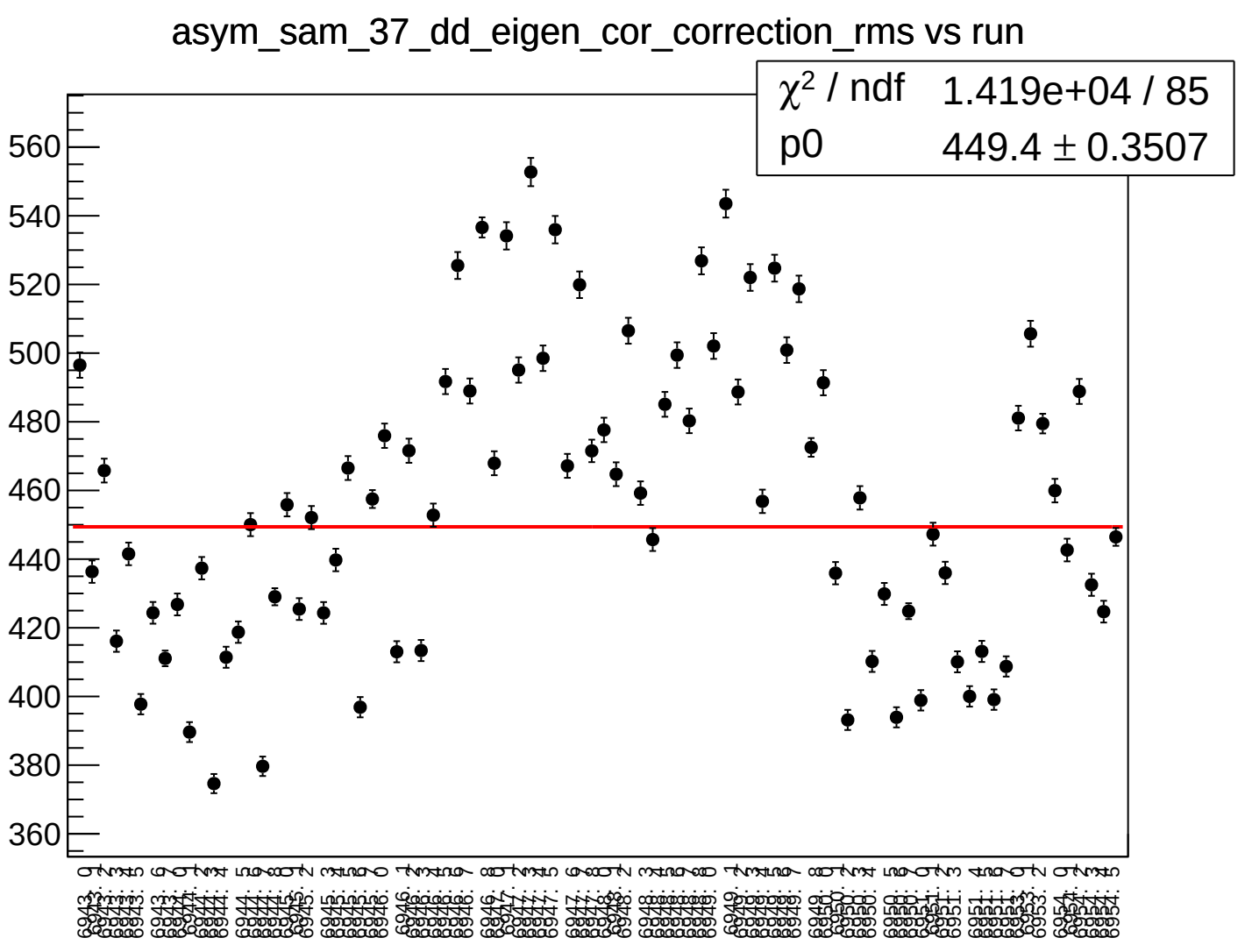

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 82.37 / 85
p0 −60.42 ± 56.44
pull
Entries 86
Mean −270.6
Std Dev 0

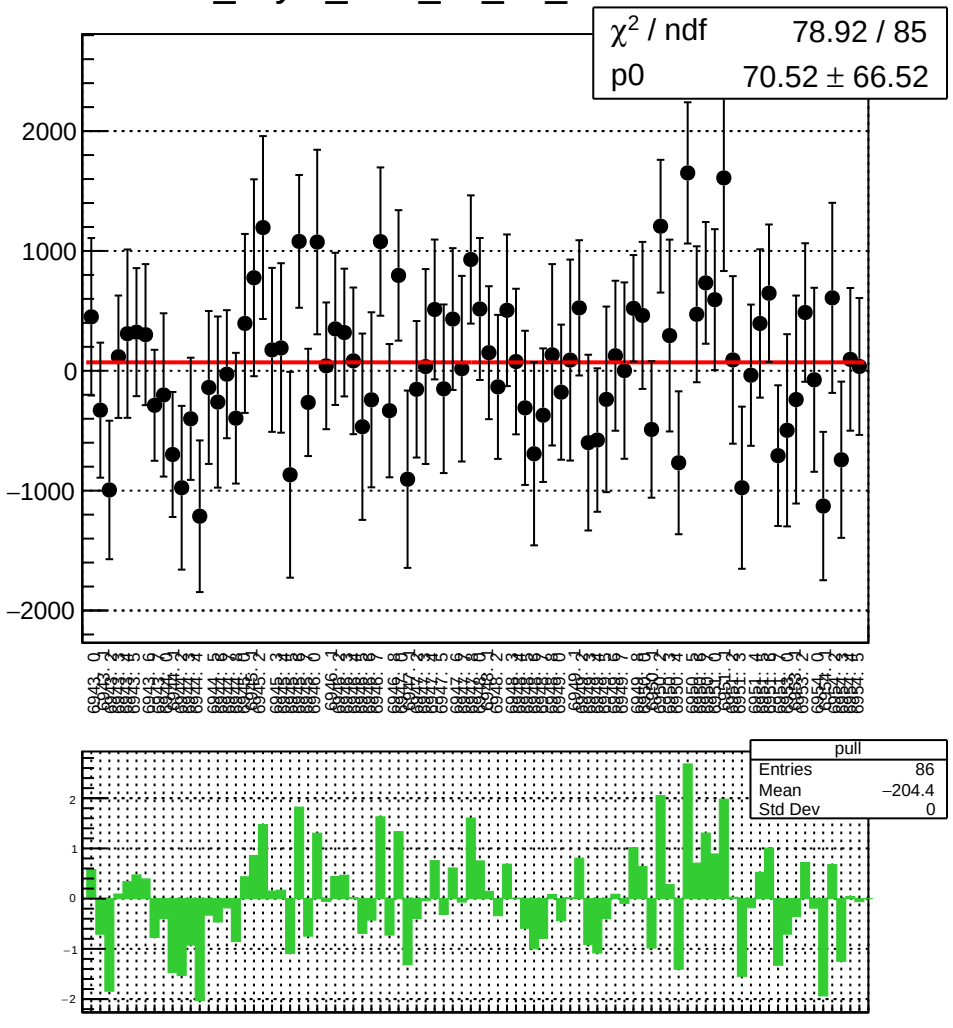

pull1D
Entries 86
Mean −0.009974
Std Dev 0.9786

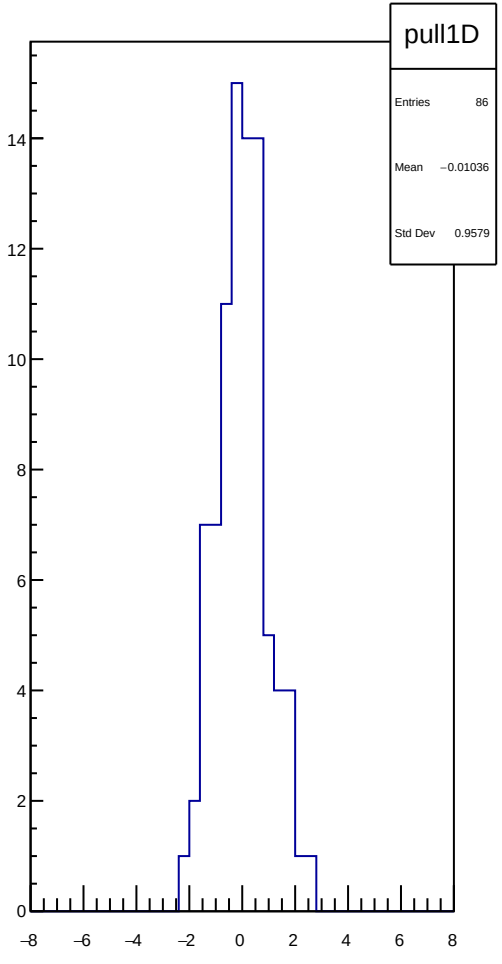

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 9000 / 85
p0 51.22 ± 0.03991
62
60
58
56
54
52
50
48
46
44

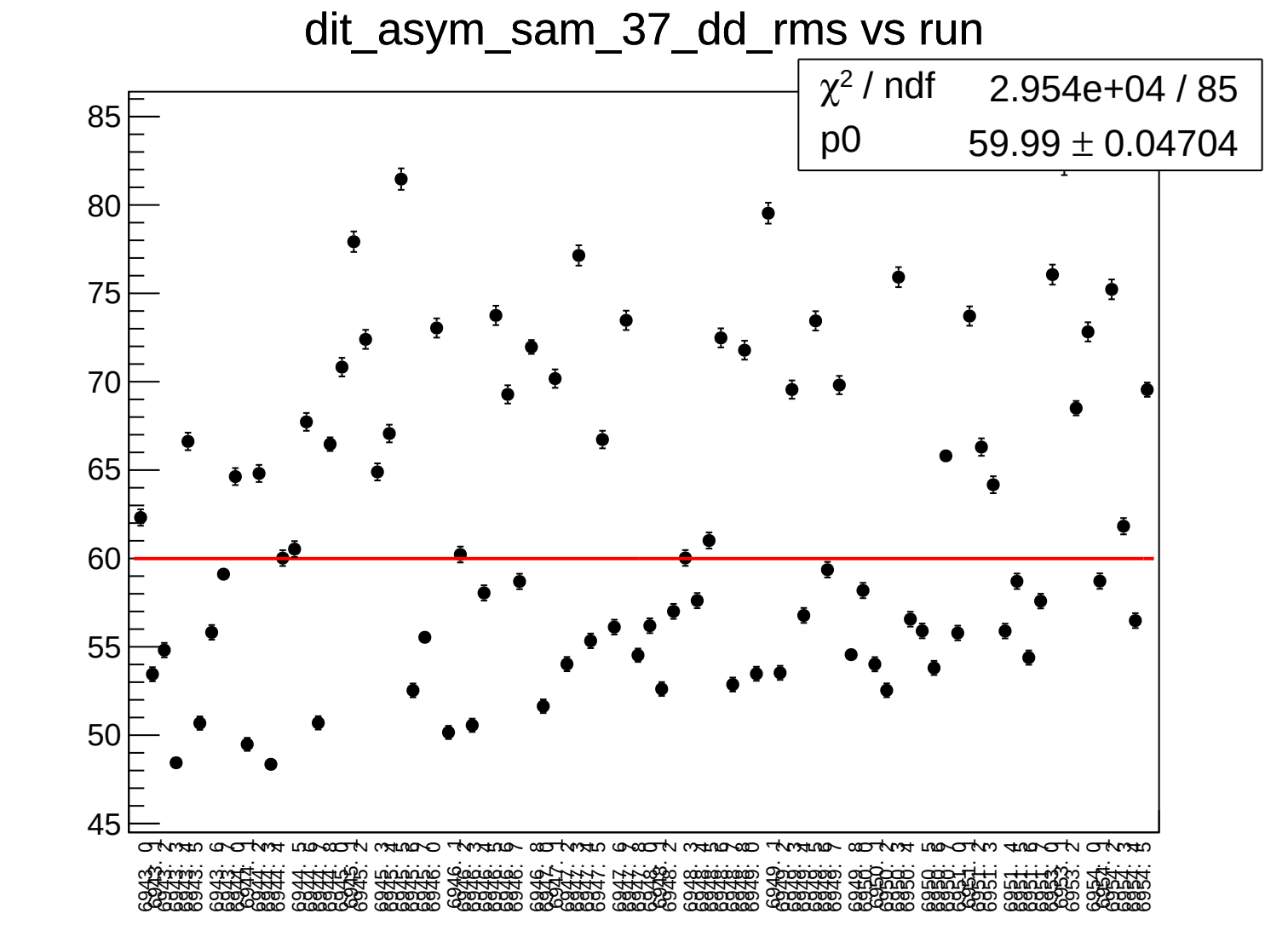

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 87.48 / 85
p0 −1763 ± 496
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 141.8
Std Dev 261.3
2
1
0
−1
−2

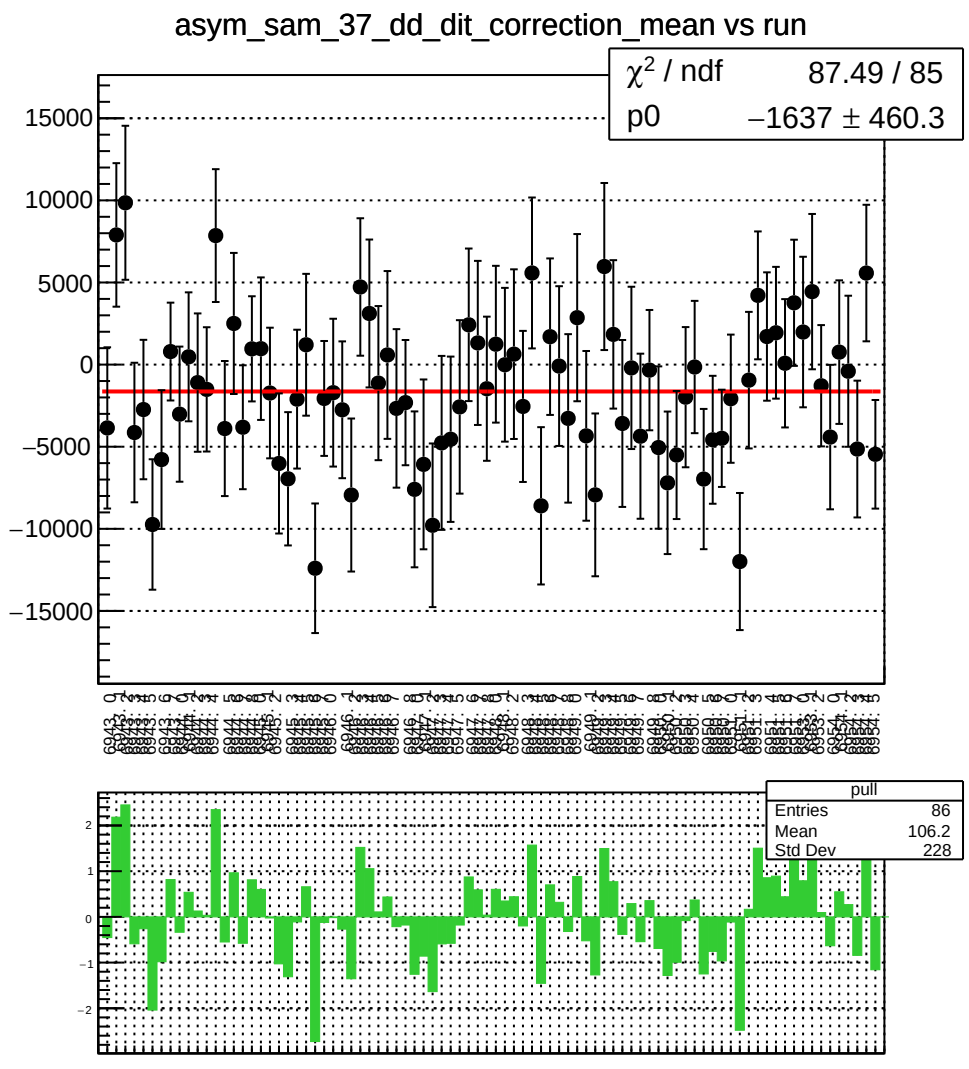

pull1D
Entries 86
Mean 0.001015
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

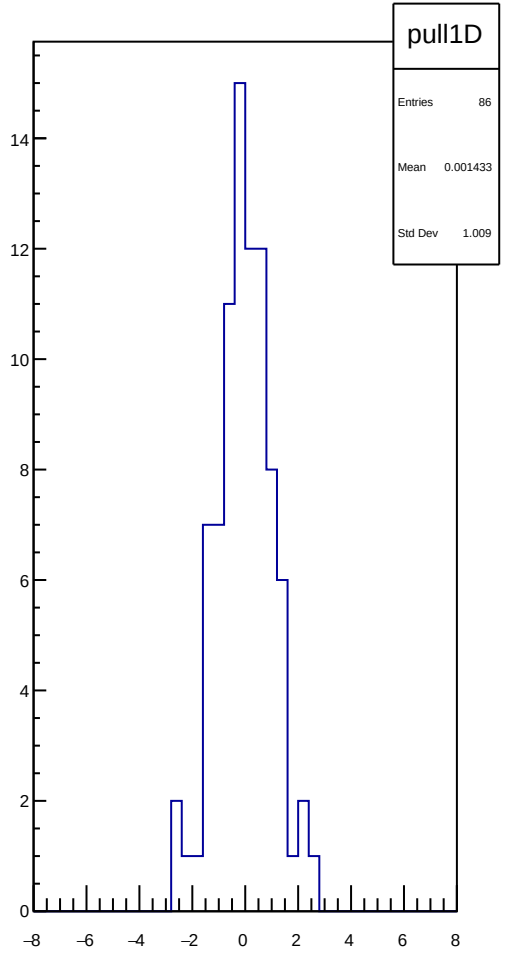

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.419e+04 / 85
p0 449.4 ± 0.3507
560
540
520
500
480
460
440
420
400
380
360

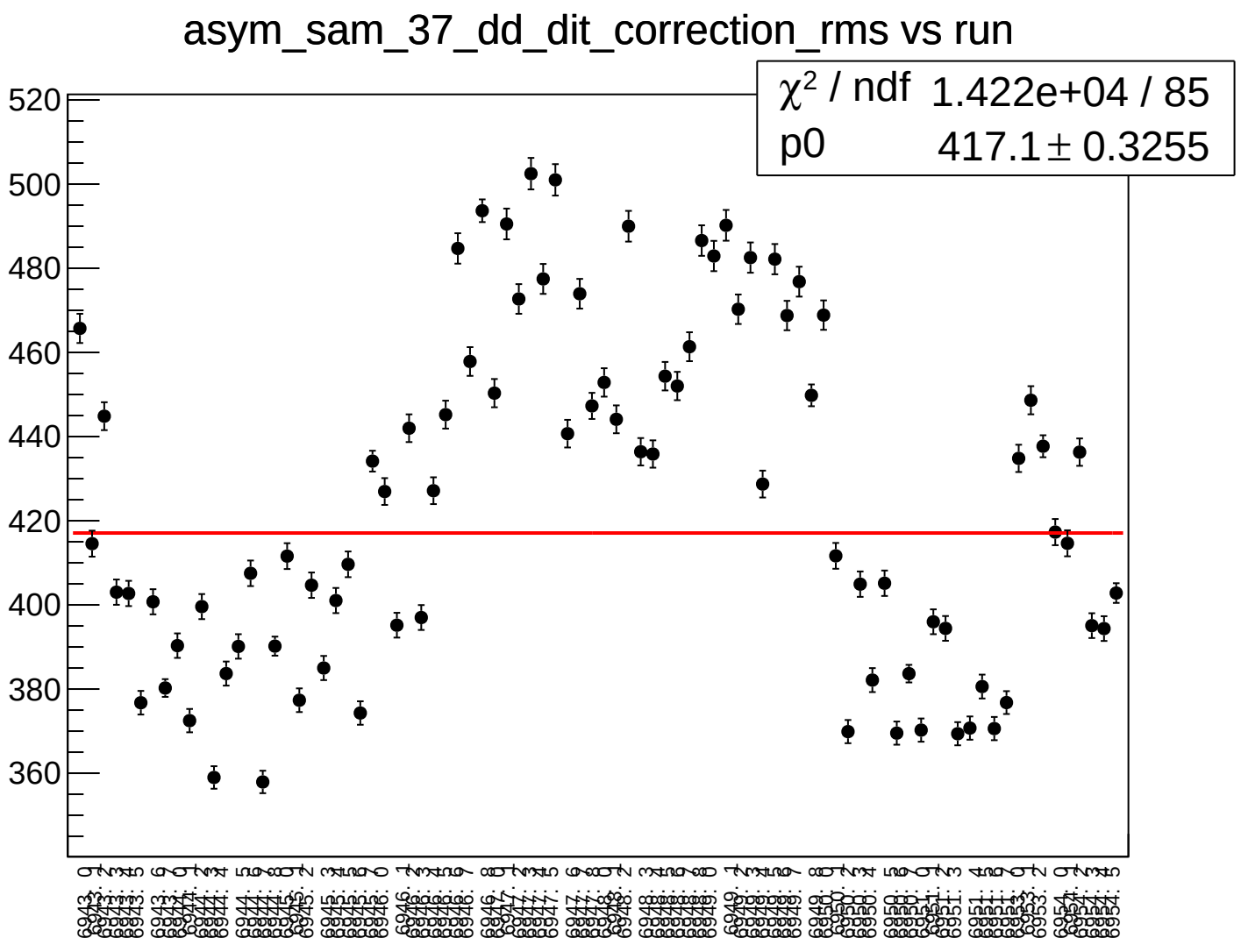

dit_asym_sam_37_dd_mean vs run
χ² / ndf 78.92 / 85
p0 70.52 ± 66.52
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −204.4
Std Dev 0
2
1
0
−1
−2

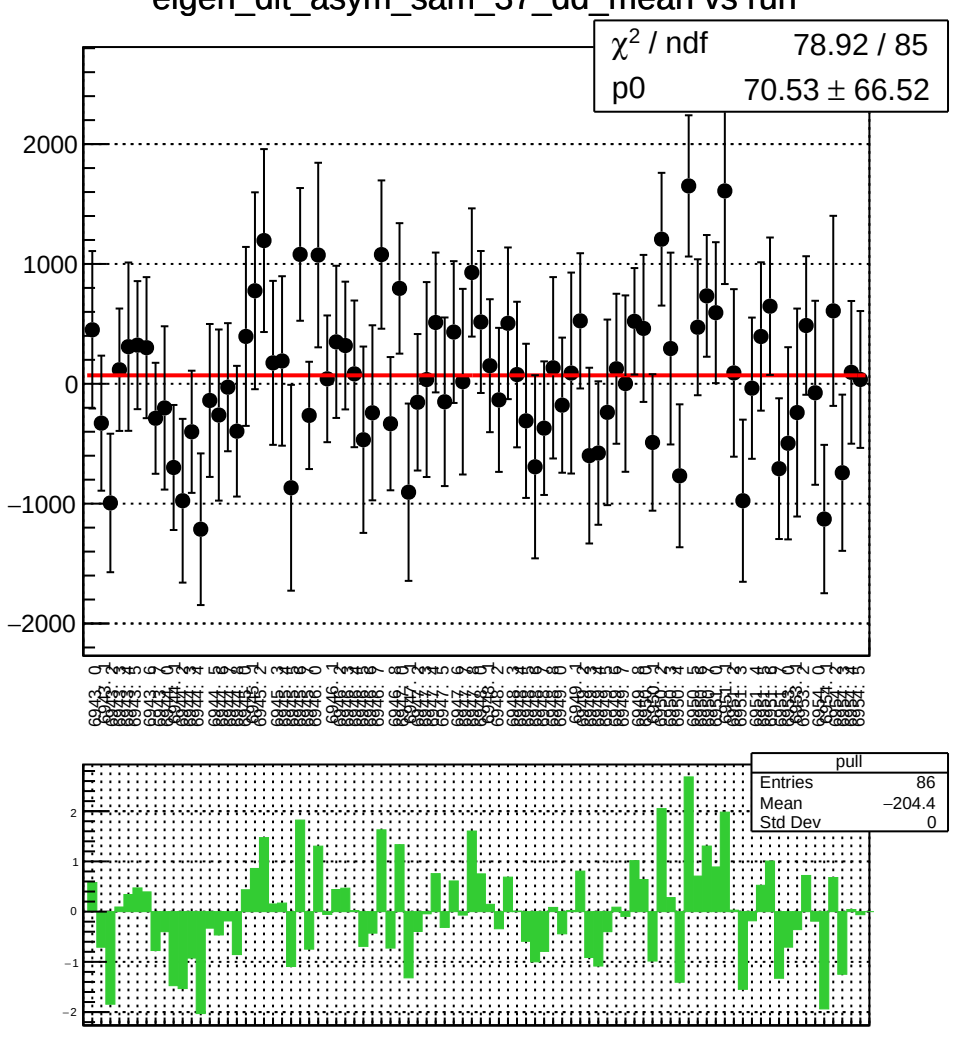

pull1D
Entries 86
Mean −0.01036
Std Dev 0.9579
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

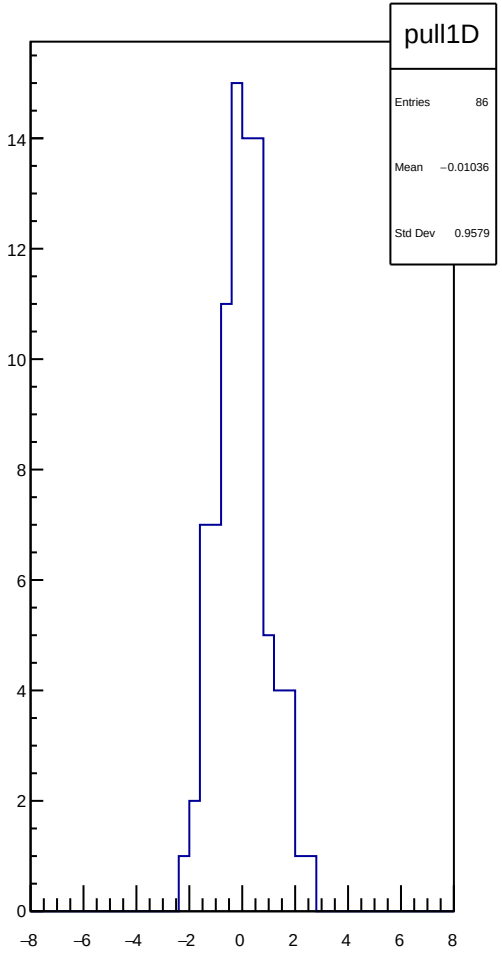

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.954e+04 / 85
p0 59.99 ± 0.04704
85
80
75
70
65
60
55
50
45

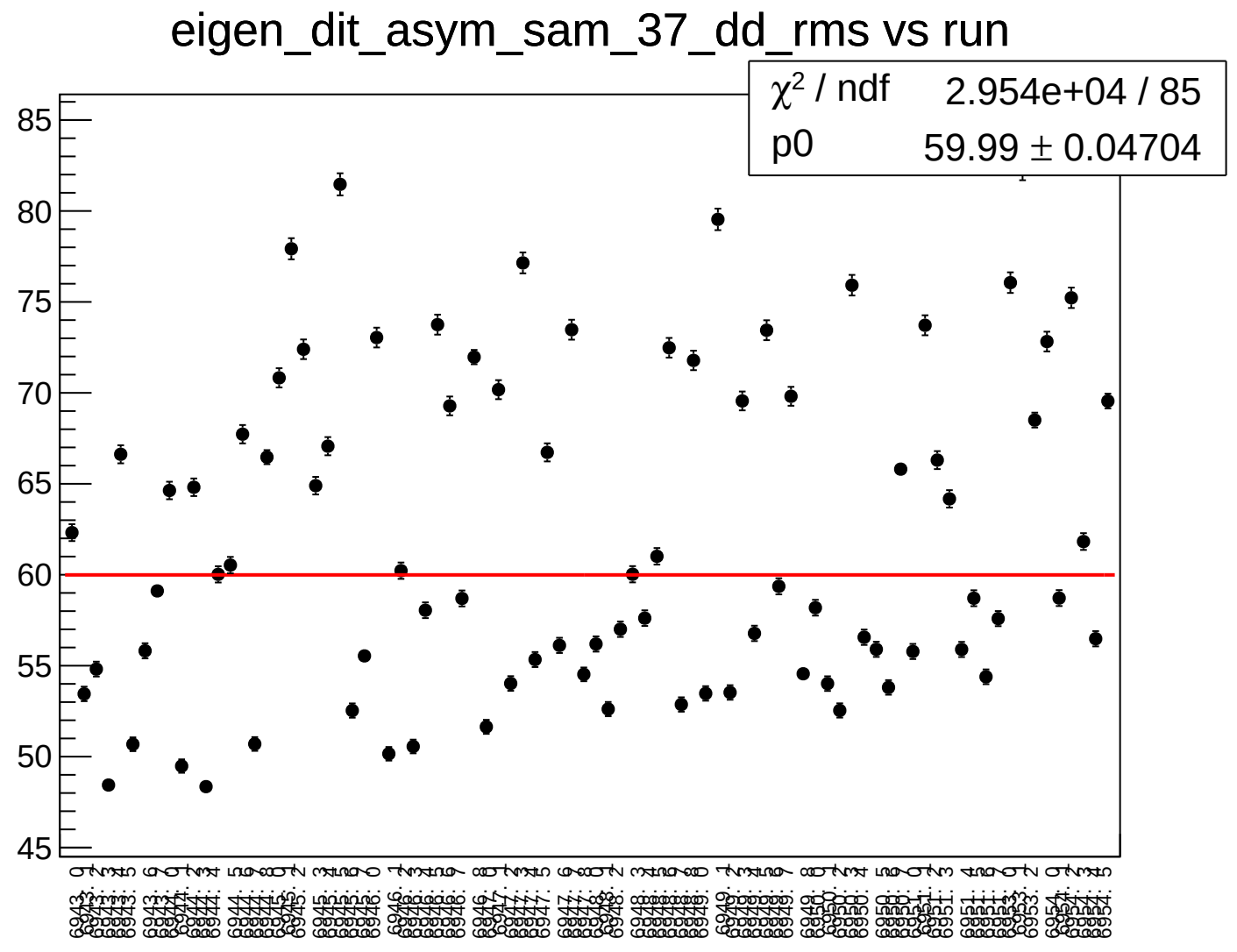

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 87.49 / 85
p0 −1637 ± 460.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 106.2
Std Dev 228
2
1
0
−1
−2

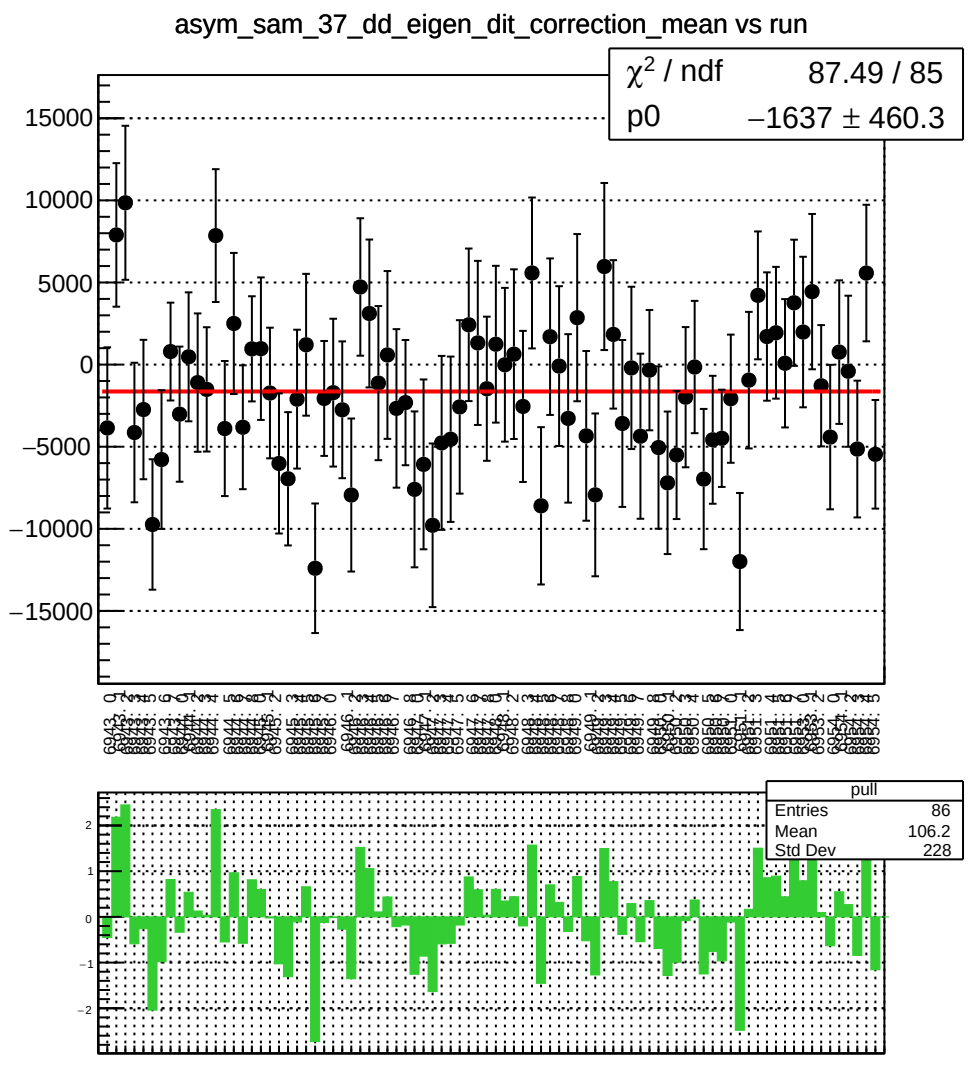

pull1D
Entries 86
Mean 0.001433
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

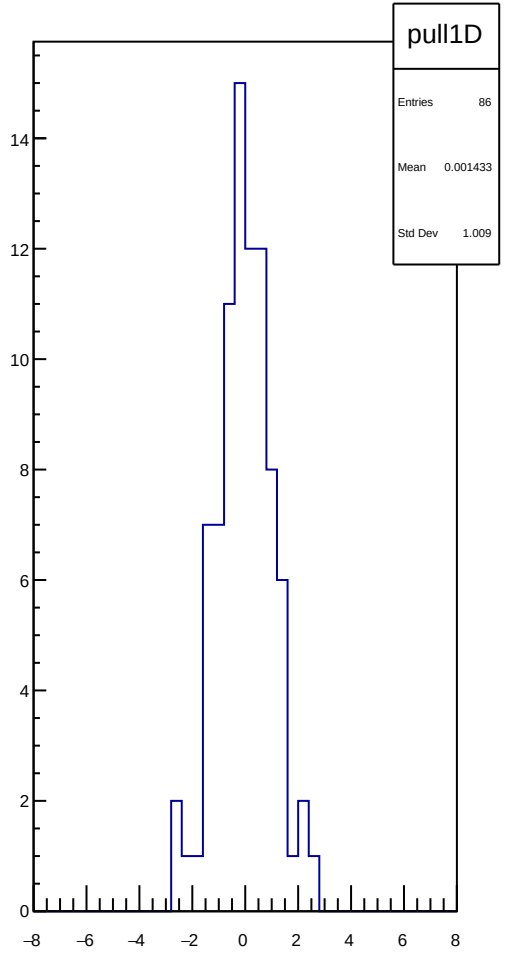

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 1.422e+04 / 85
p0 417.1 ± 0.3255
520
500
480
460
440
420
400
380
360

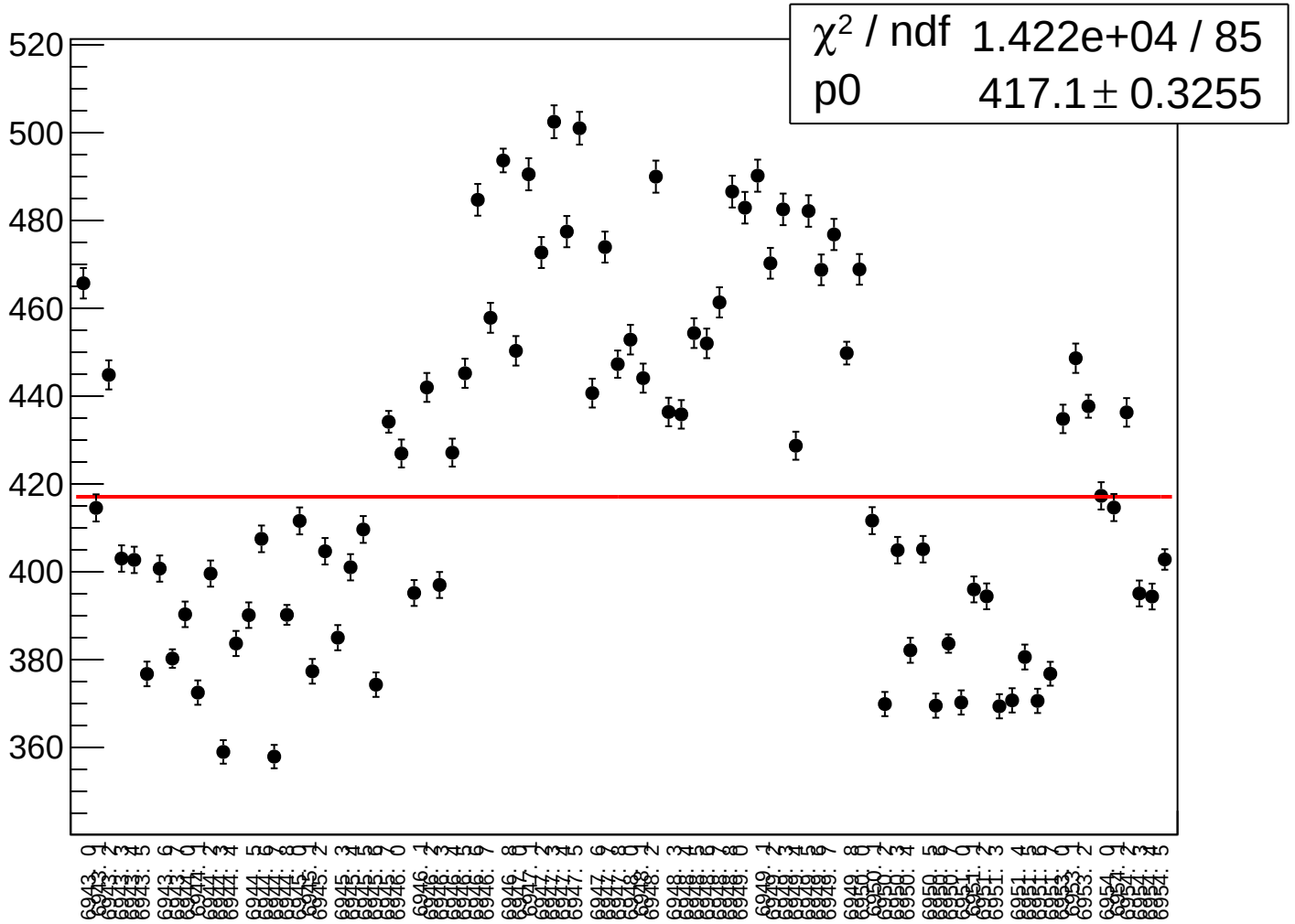

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 78.92 / 85
p0 70.53 ± 66.52
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −204.4
Std Dev 0
2
1
0
−1
−2

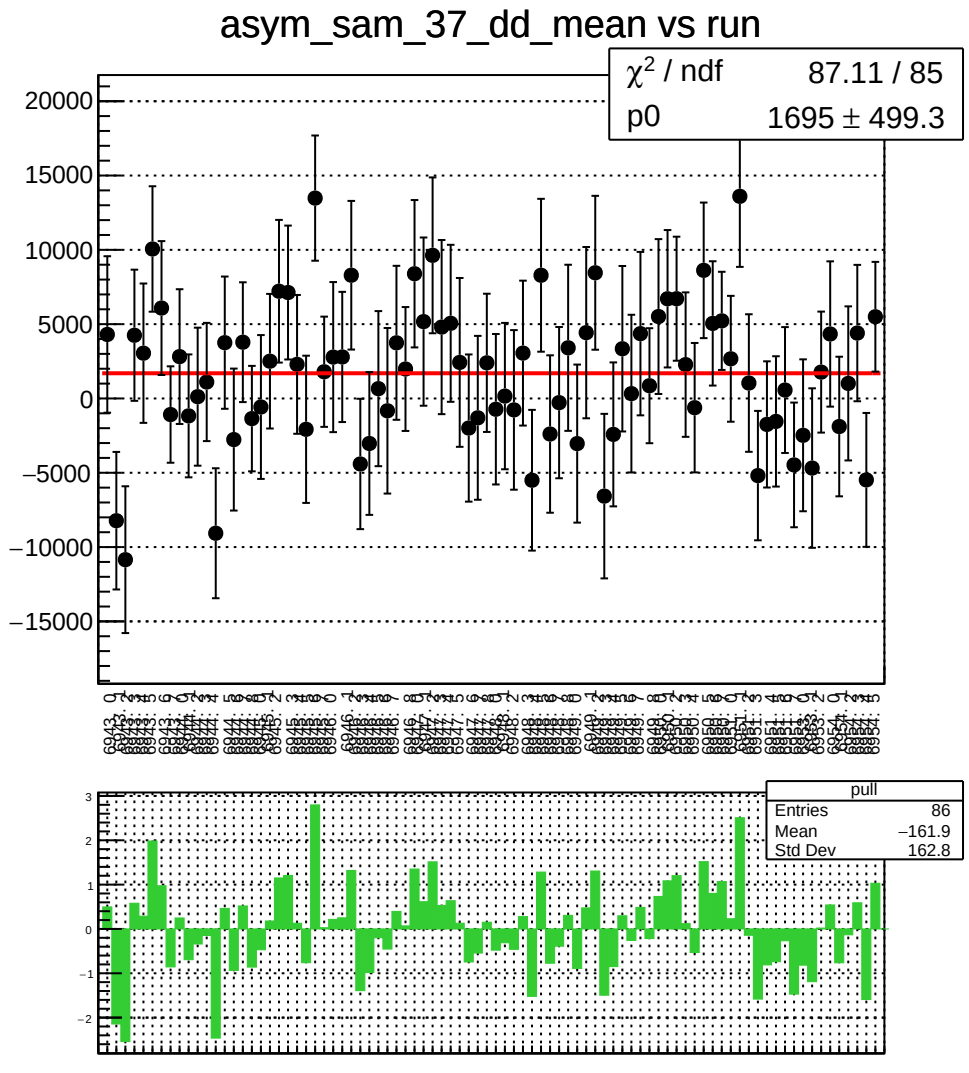

pull1D
Entries 86
Mean −0.01036
Std Dev 0.9579
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

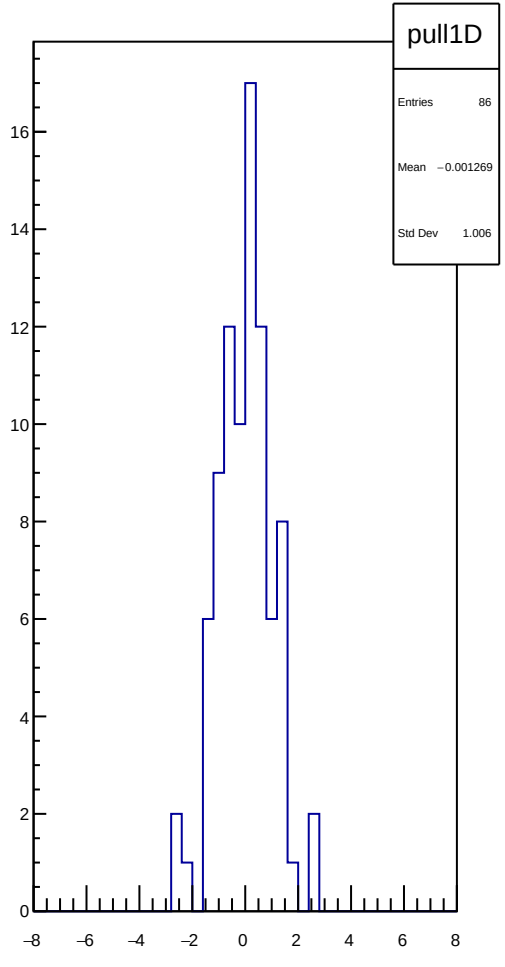

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.954e+04 / 85
p0 59.99 ± 0.04704
85
80
75
70
65
60
55
50
45

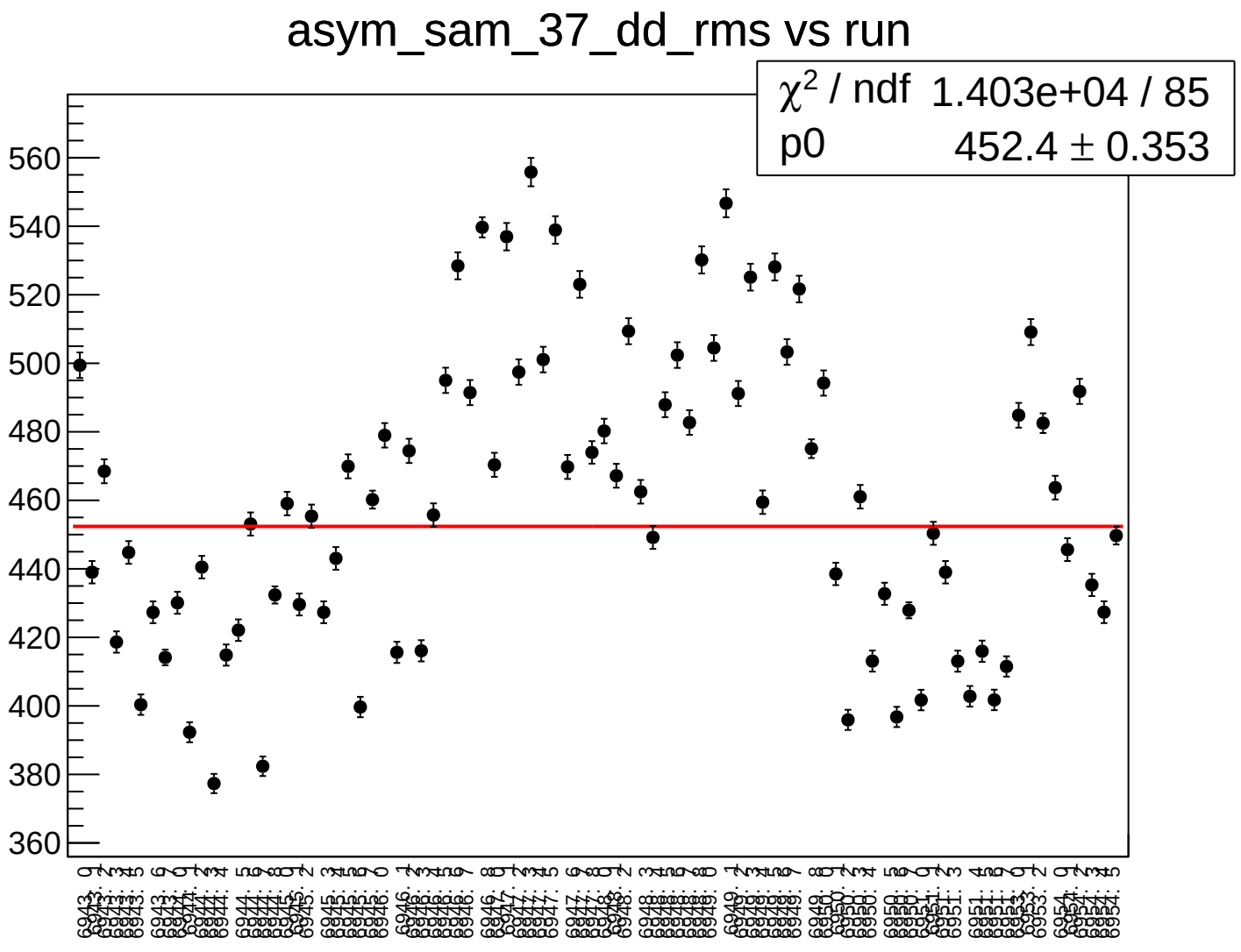

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 87.49 / 85
p0 −1637 ± 460.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 106.2
Std Dev 228
2
1
0
−1
−2

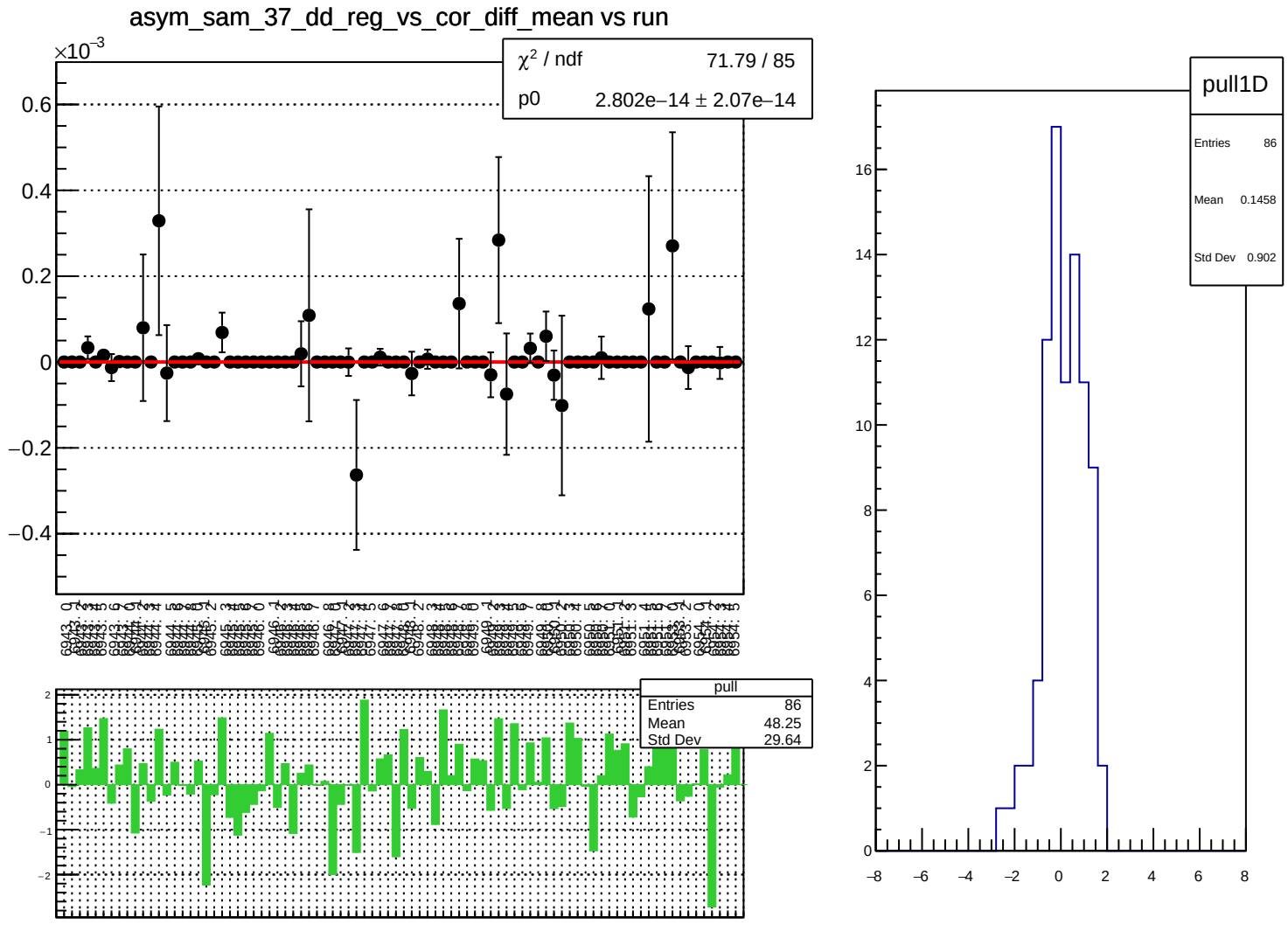

pull1D
Entries 86
Mean 0.001433
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

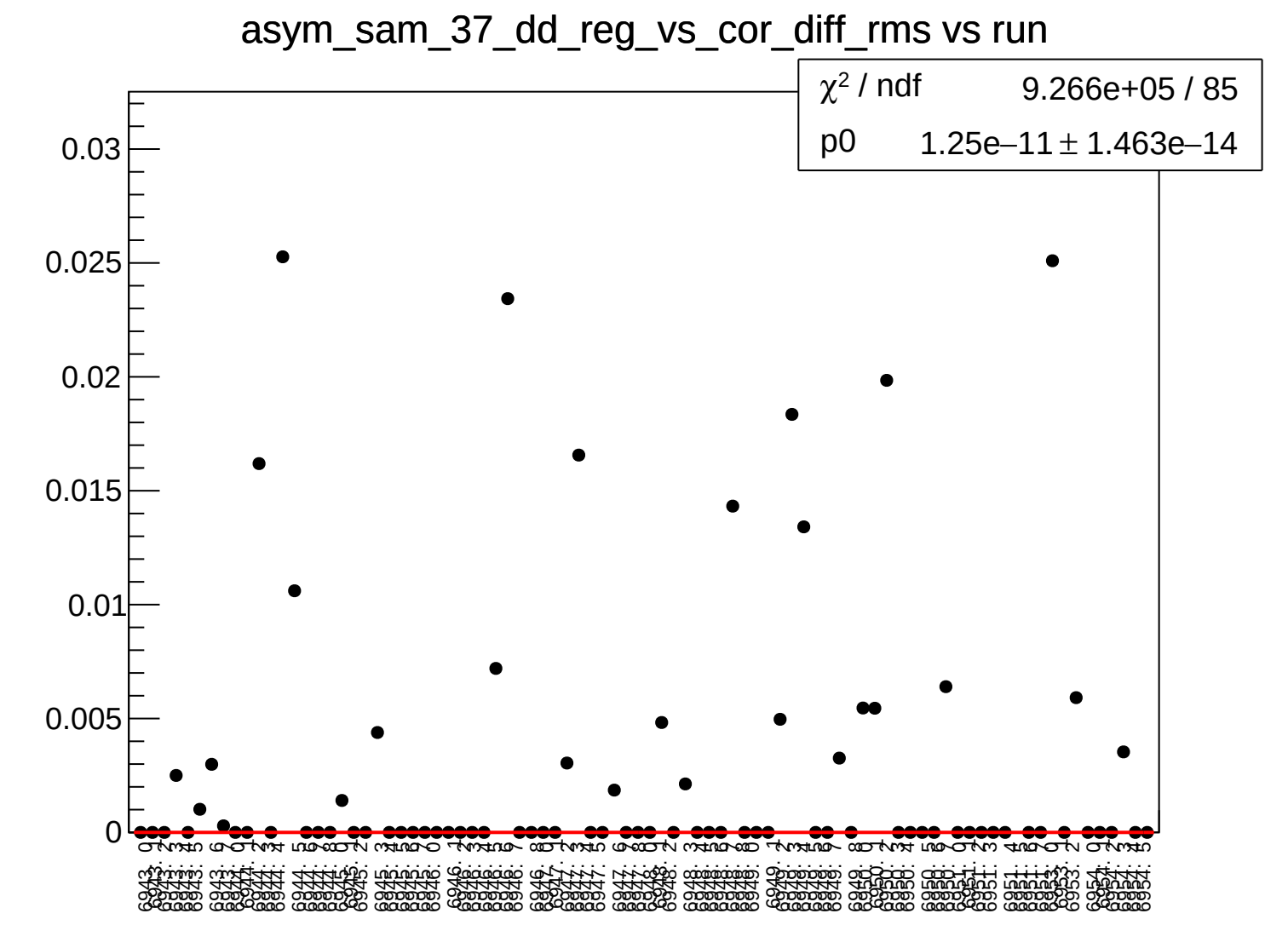

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.422e+04 / 85
p0 417.1 ± 0.3255
520
500
480
460
440
420
400
380
360

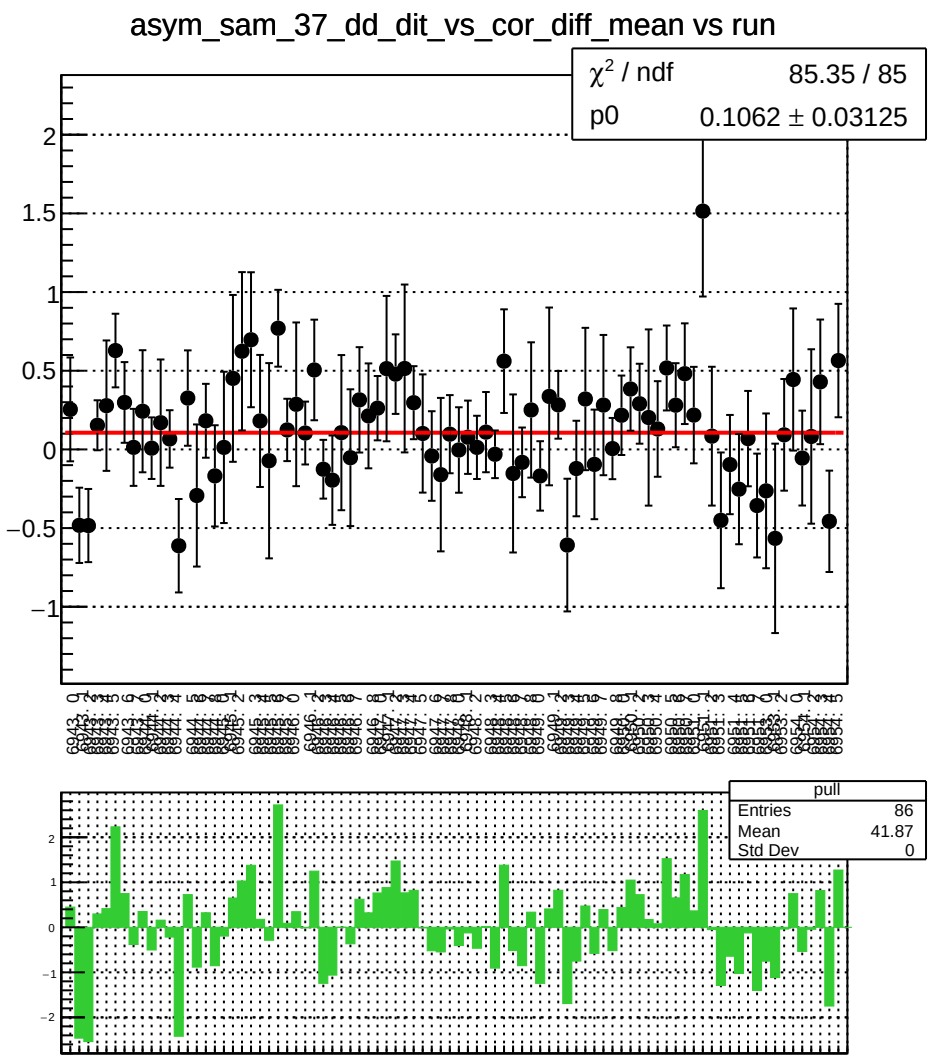

asym_sam_37_dd_mean vs run
χ² / ndf 87.11 / 85
p0 1695 ± 499.3
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −161.9
Std Dev 162.8
3
2
1
0
−1
−2

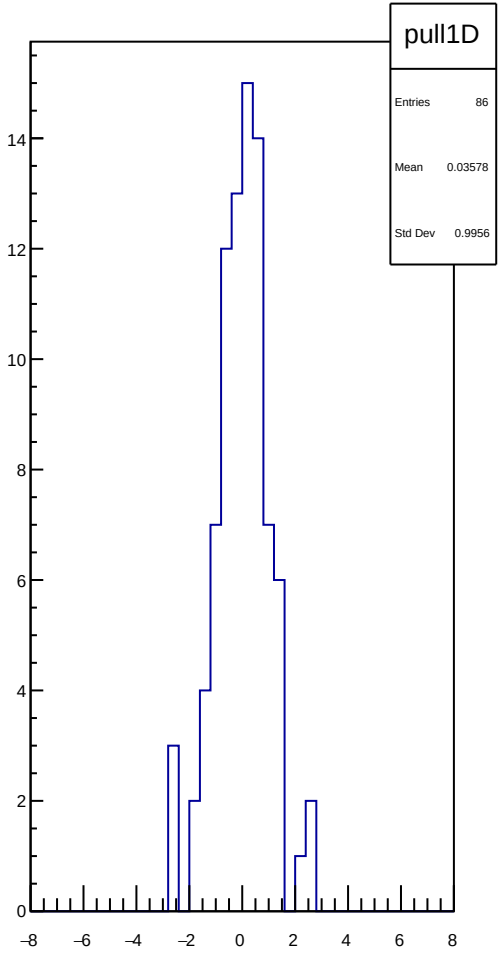

pull1D
Entries 86
Mean −0.001269
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

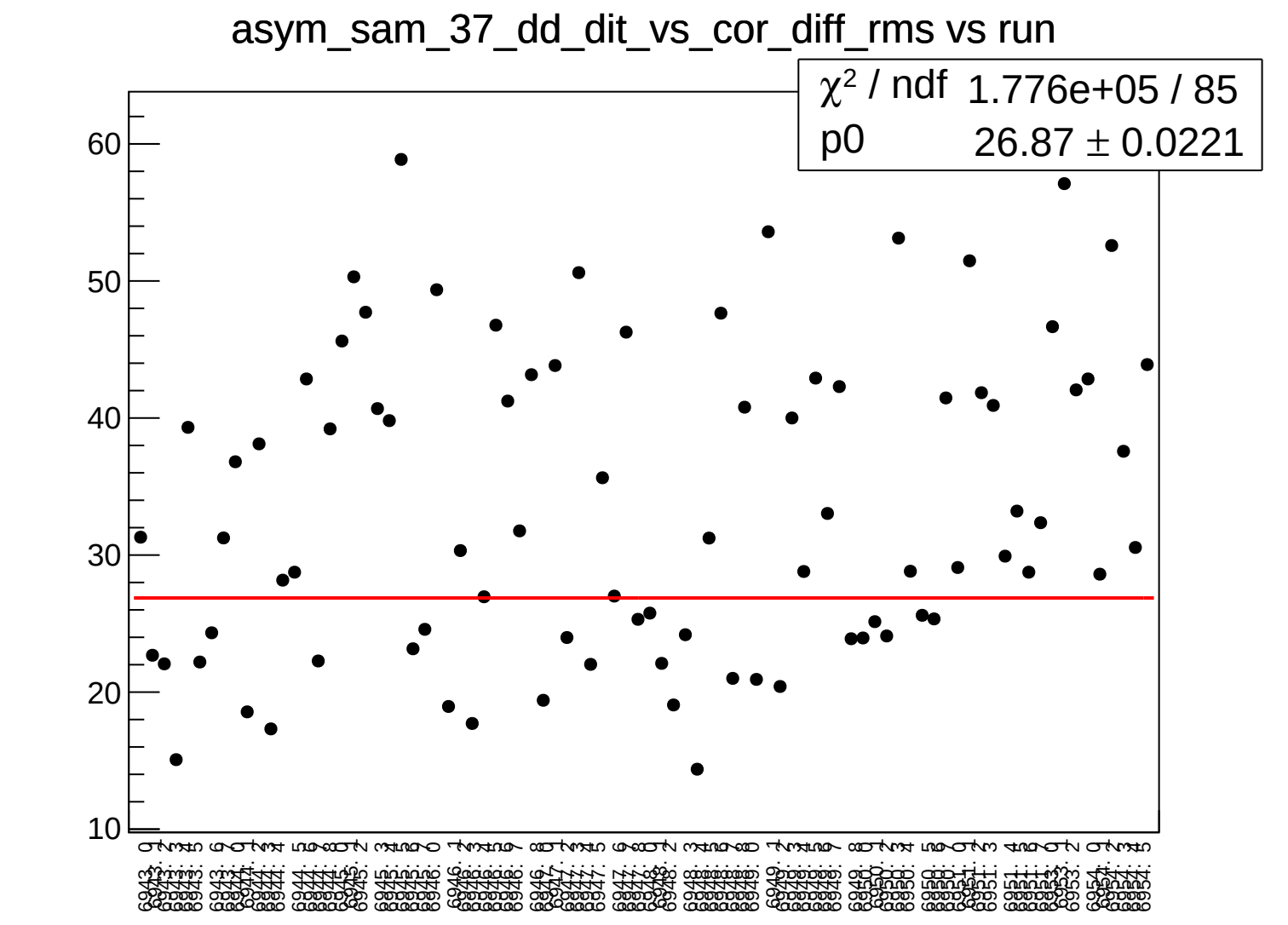

asym_sam_37_dd_rms vs run
χ² / ndf 1.403e+04 / 85
p0 452.4 ± 0.353
560
540
520
500
480
460
440
420
400
380
360

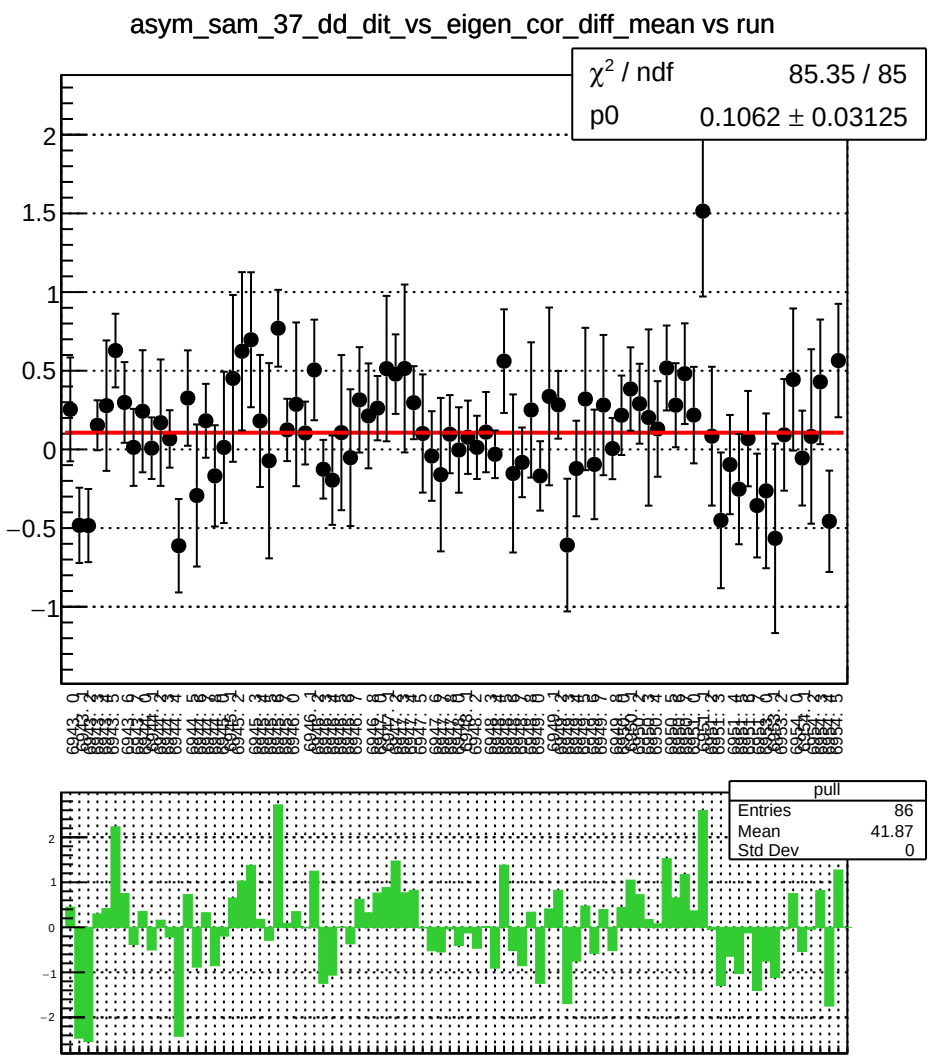

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 71.79 / 85
p0 2.802e−14 ± 2.07e−14
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 86
Mean 48.25
Std Dev 29.64
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.1458
Std Dev 0.902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

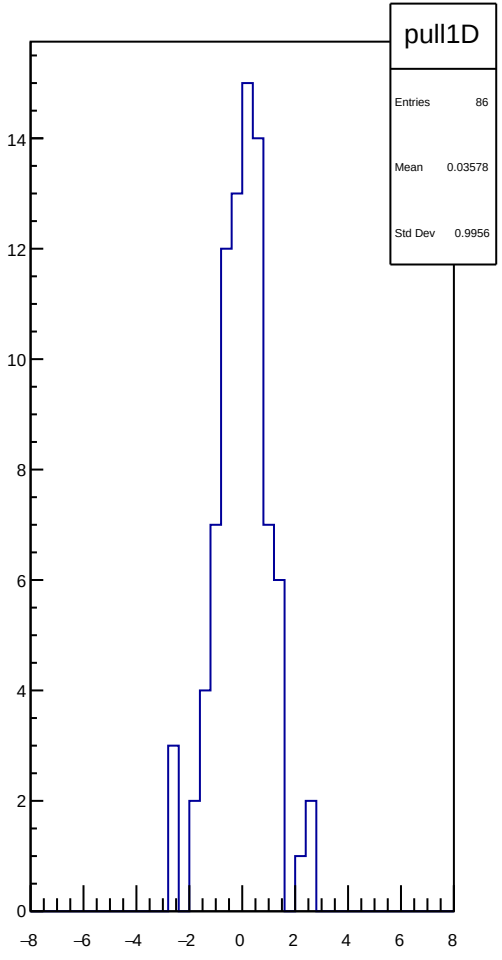

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.266e+05 / 85
p0 1.25e−11 ± 1.463e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

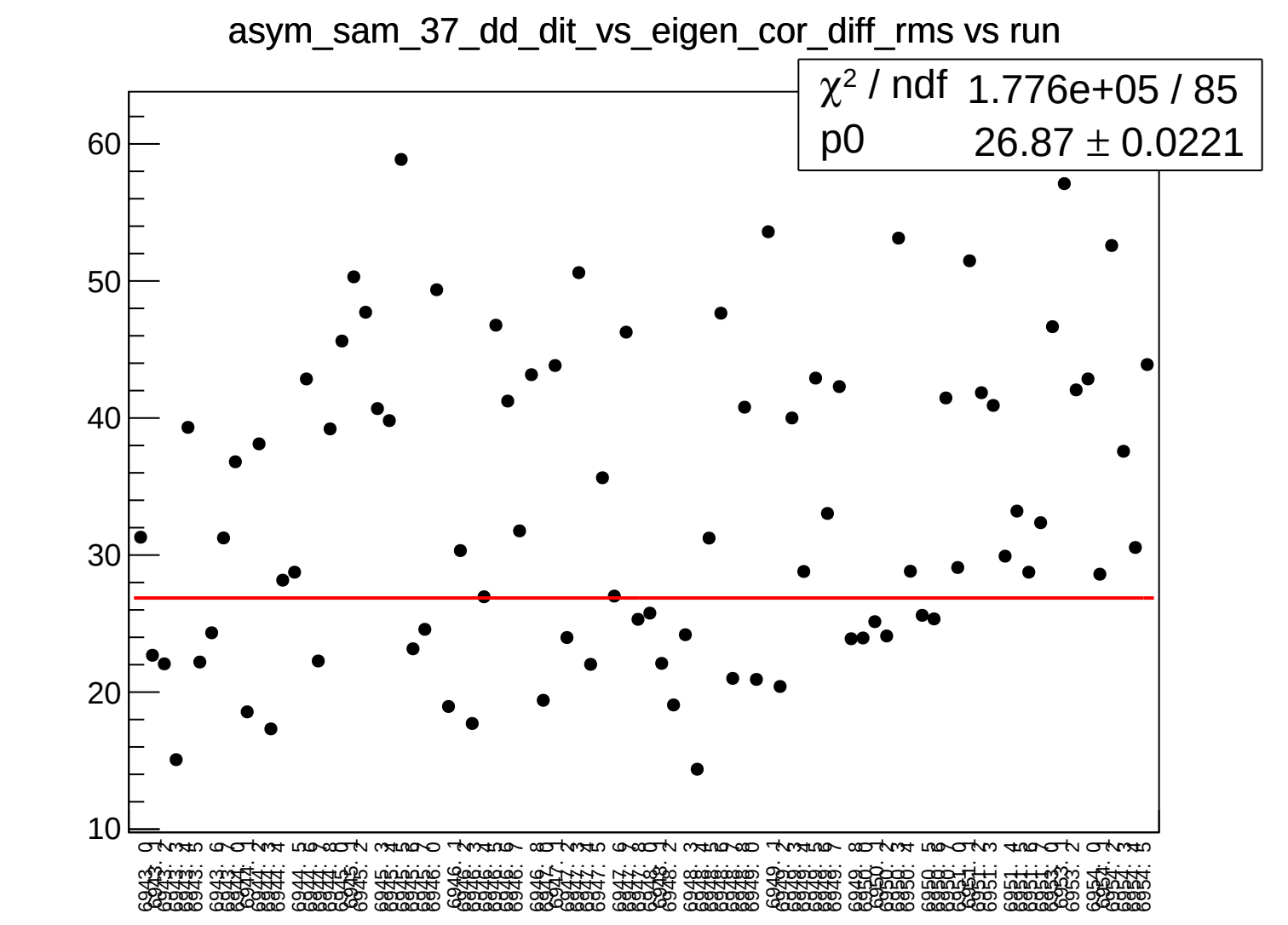

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.35 / 85
p0 0.1062 ± 0.03125
pull
Entries 86
Mean 41.87
Std Dev 0

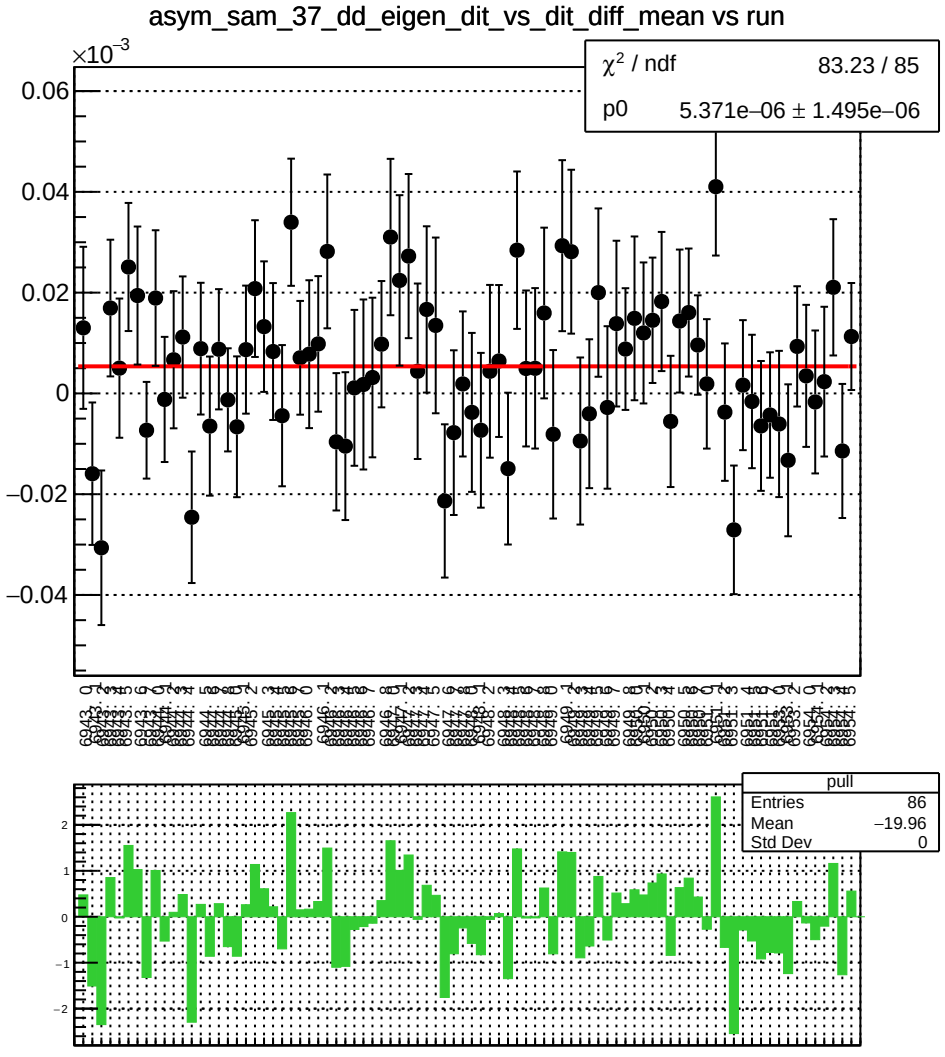

pull1D
Entries 86
Mean 0.03578
Std Dev 0.9956

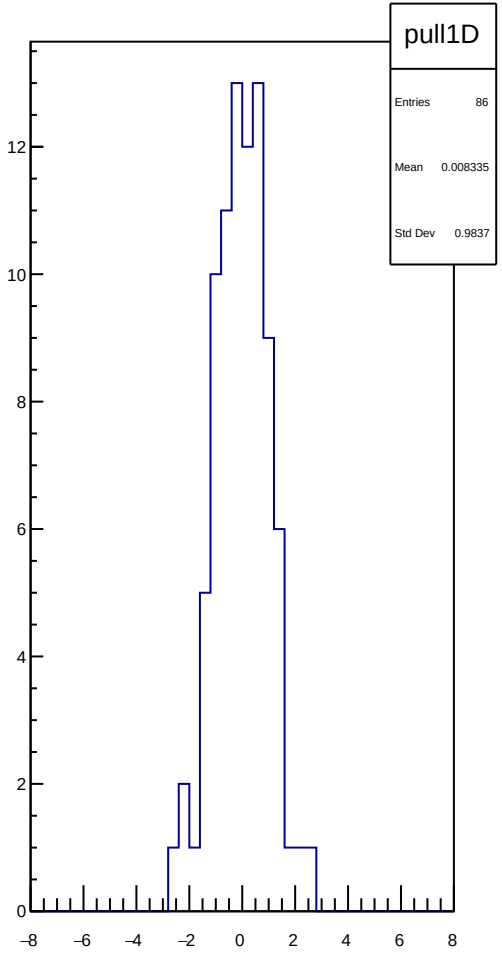

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.776e+05 / 85
p0 26.87 ± 0.0221
60
50
40
30
20
10

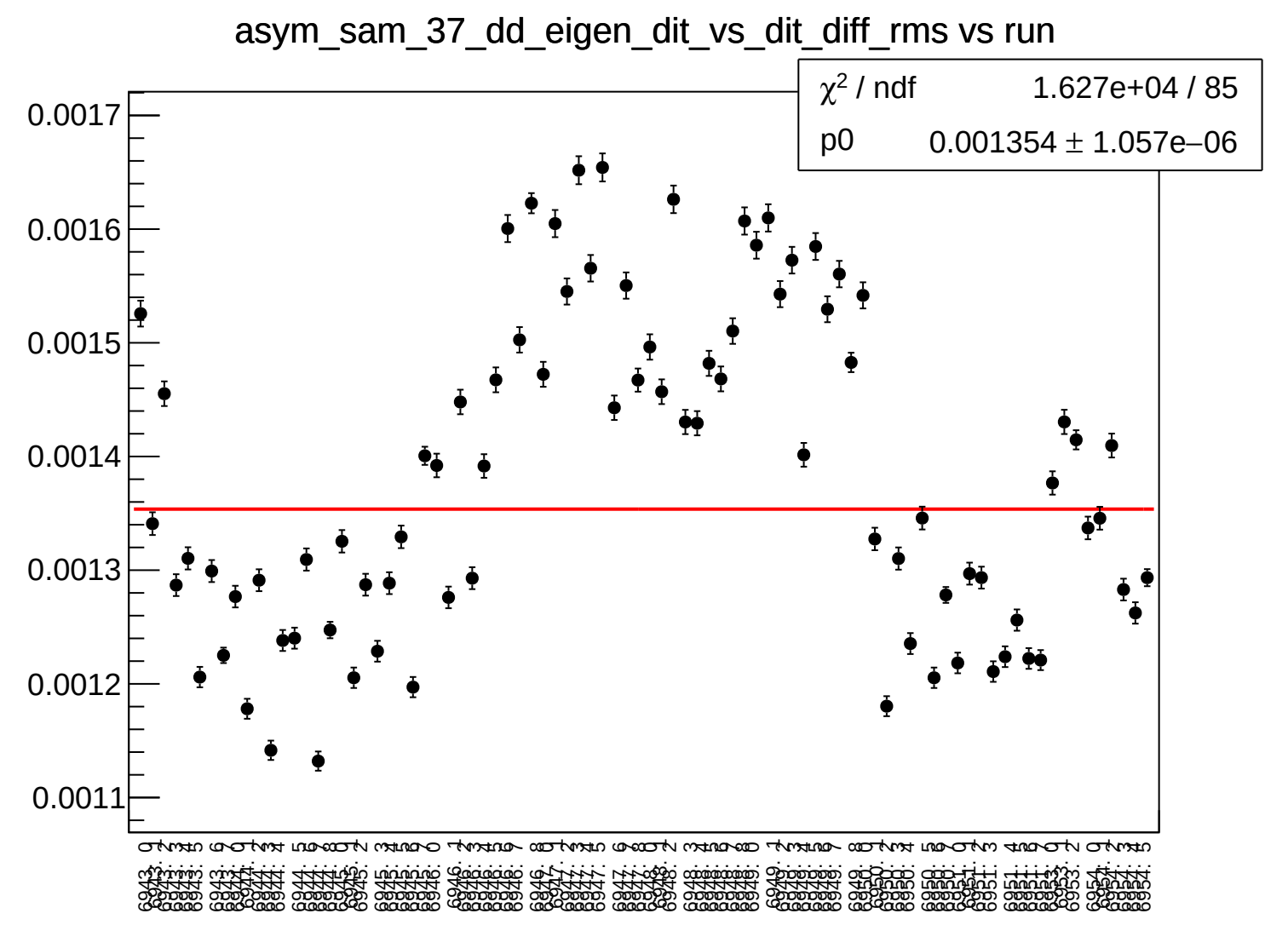

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.35 / 85
p0 0.1062 ± 0.03125
pull
Entries 86
Mean 41.87
Std Dev 0

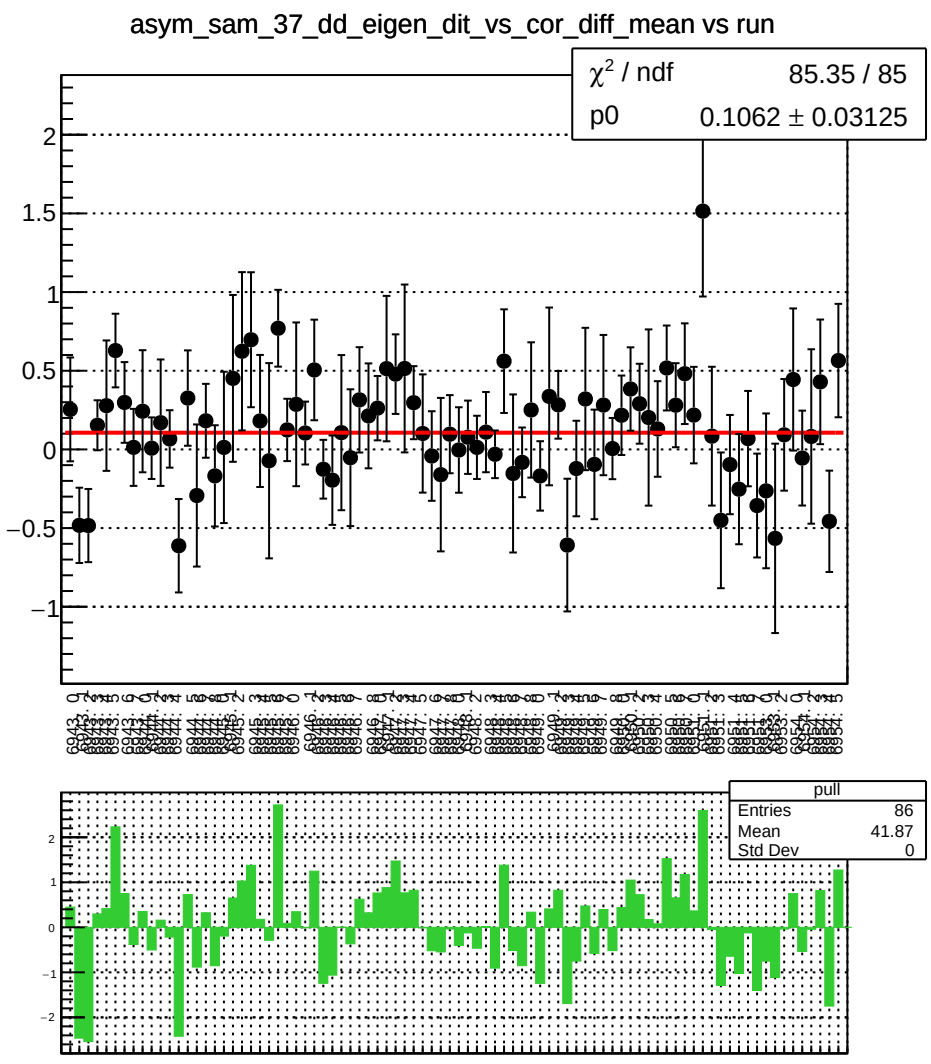

pull1D
Entries 86
Mean 0.03578
Std Dev 0.9956

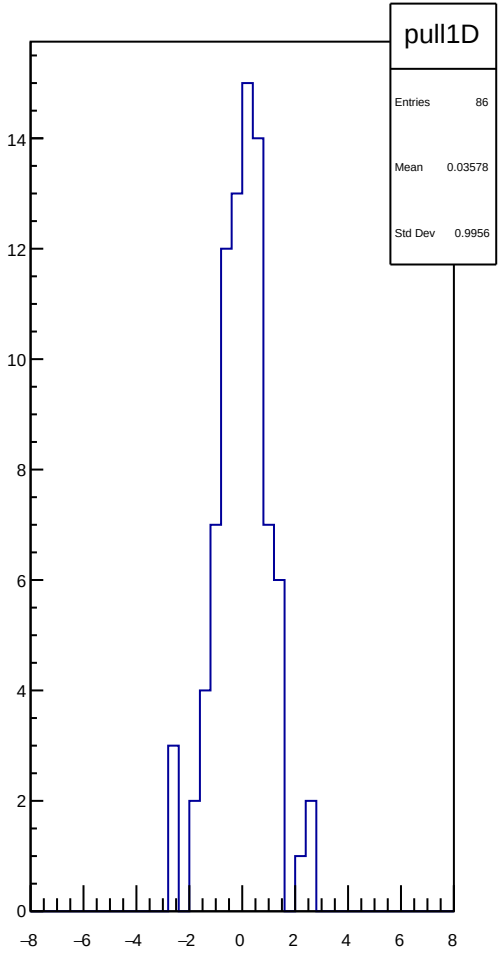

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.776e+05 / 85
p0 26.87 ± 0.0221
60
50
40
30
20
10

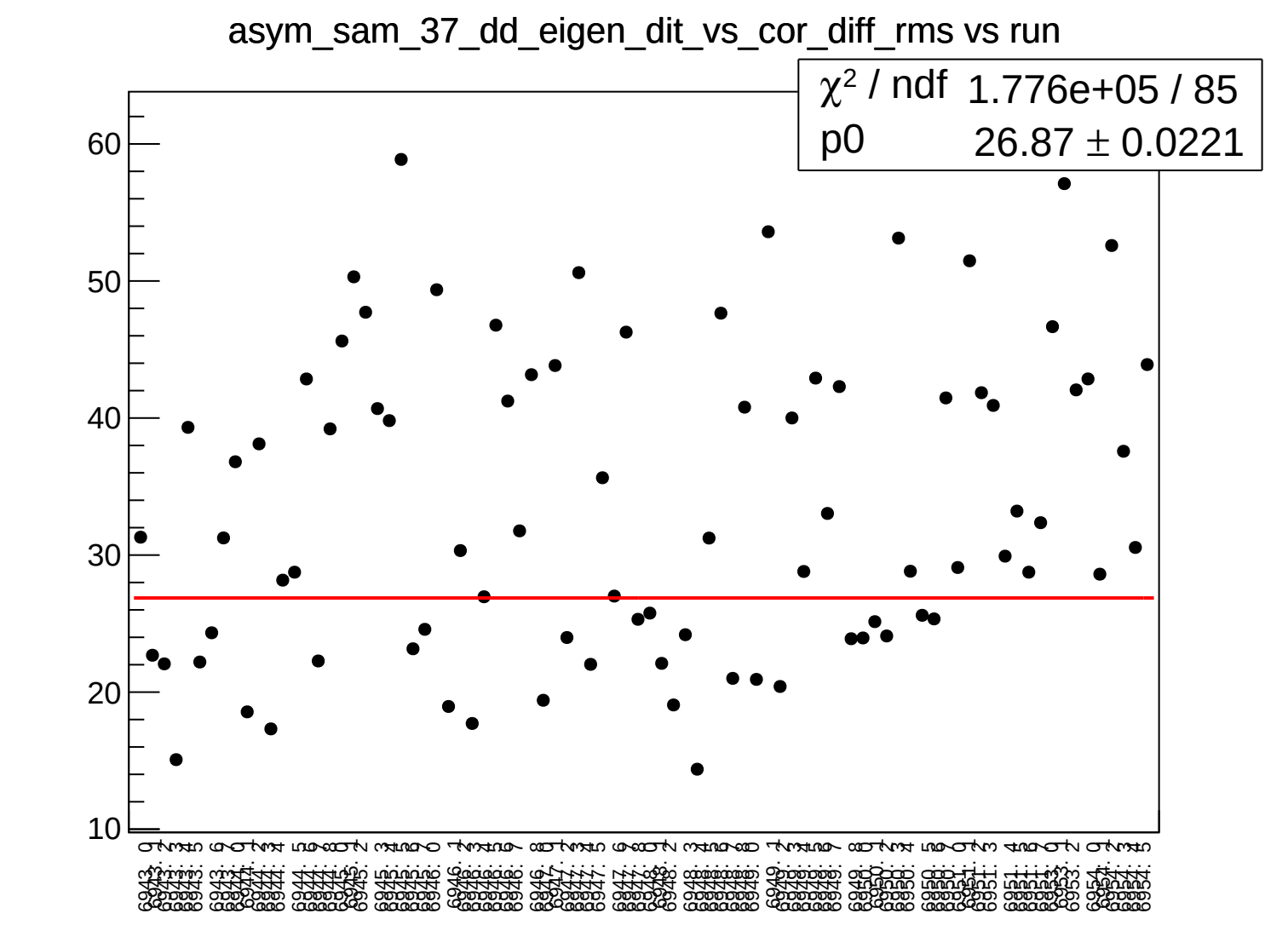

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.23 / 85
p0 5.371e−06 ± 1.495e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 86
Mean −19.96
Std Dev 0
2
1
0
−1
−2

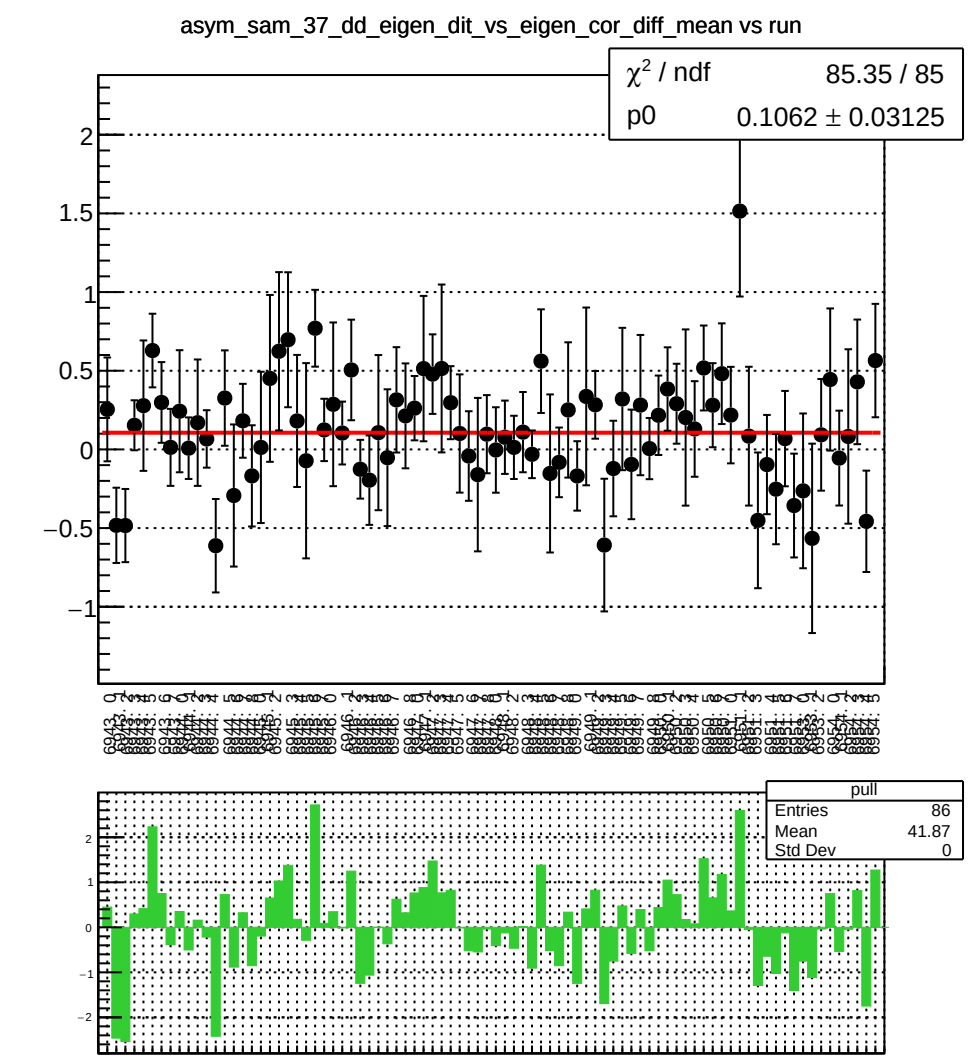

pull1D
Entries 86
Mean 0.008335
Std Dev 0.9837
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

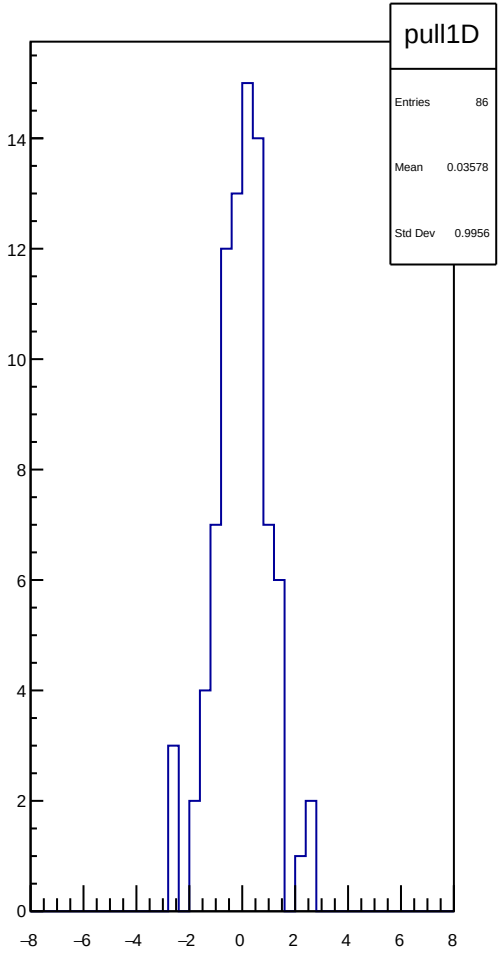

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.627e+04 / 85
p0 0.001354 ± 1.057e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

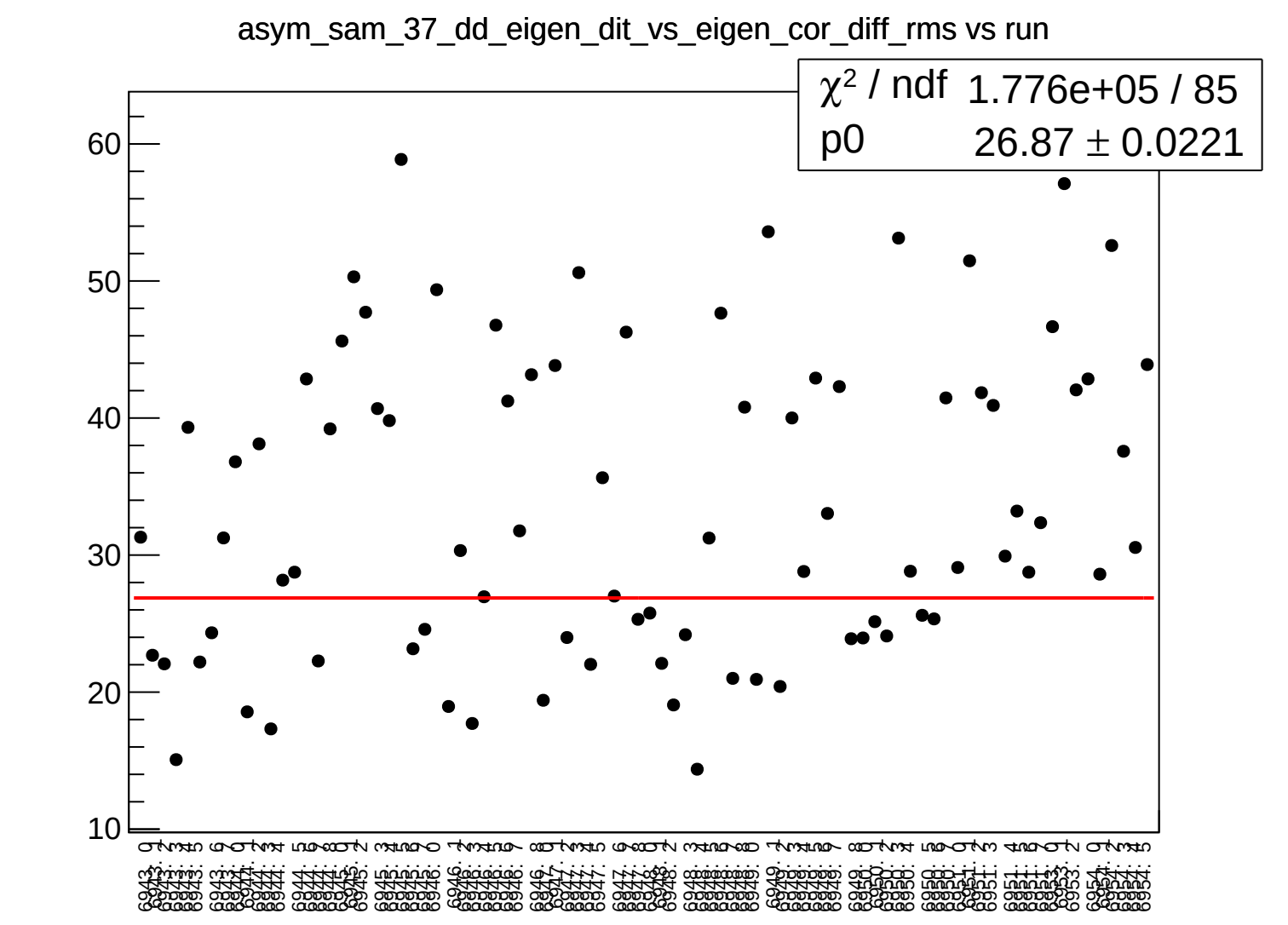

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.35 / 85
p0 0.1062 ± 0.03125
pull
Entries 86
Mean 41.87
Std Dev 0

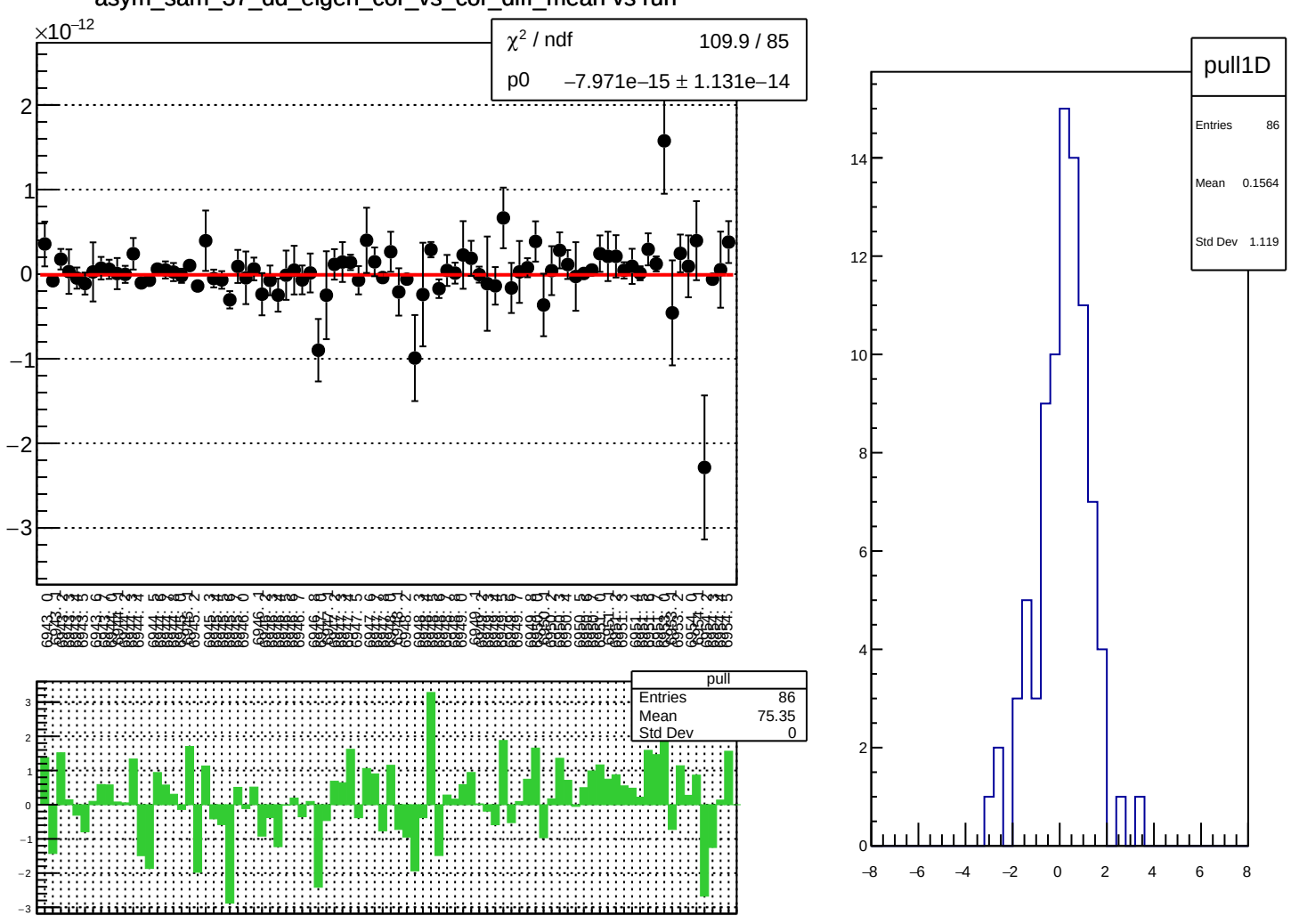

pull1D
Entries 86
Mean 0.03578
Std Dev 0.9956

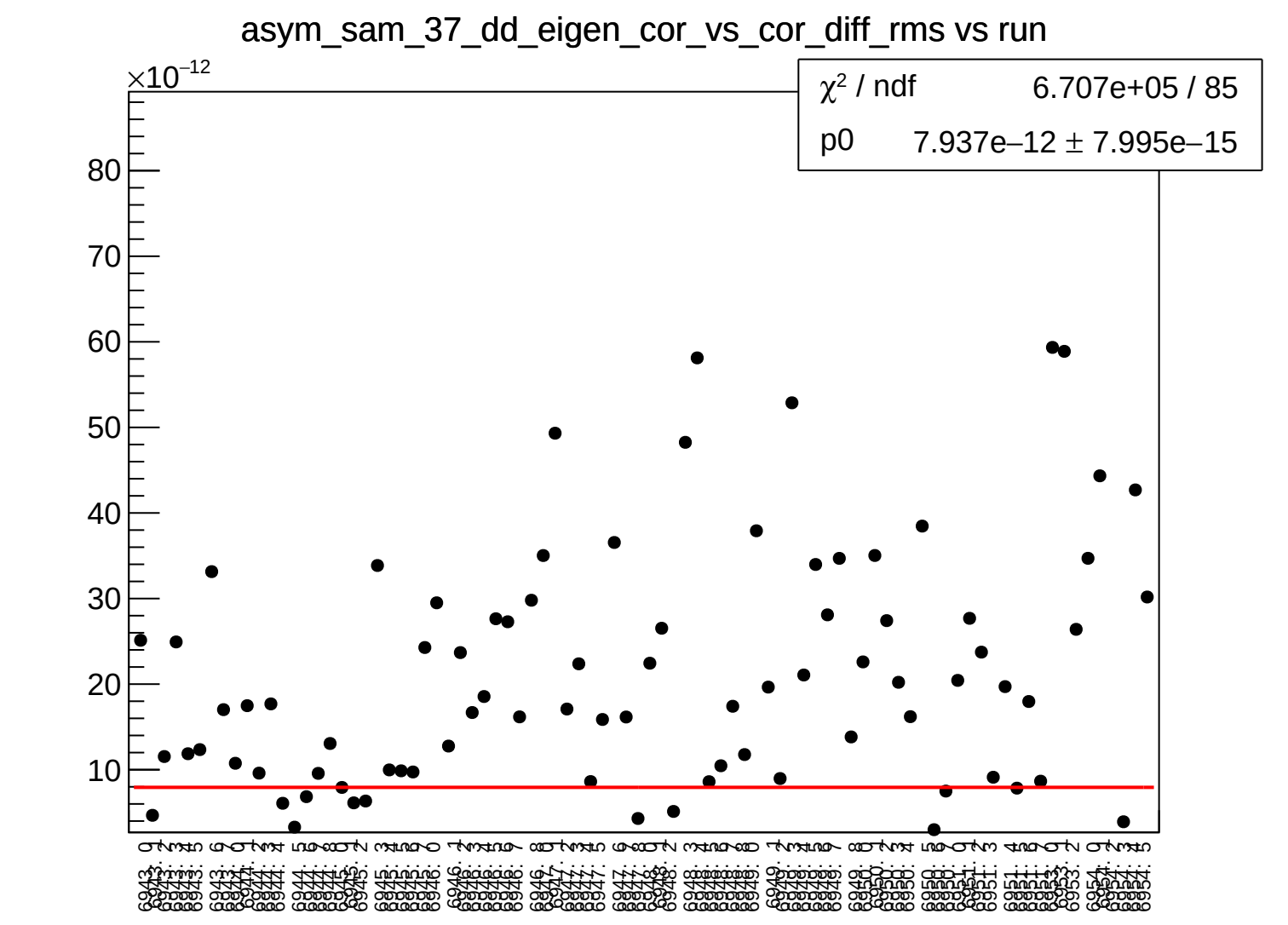

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.776e+05 / 85
p0 26.87 ± 0.0221
60
50
40
30
20
10

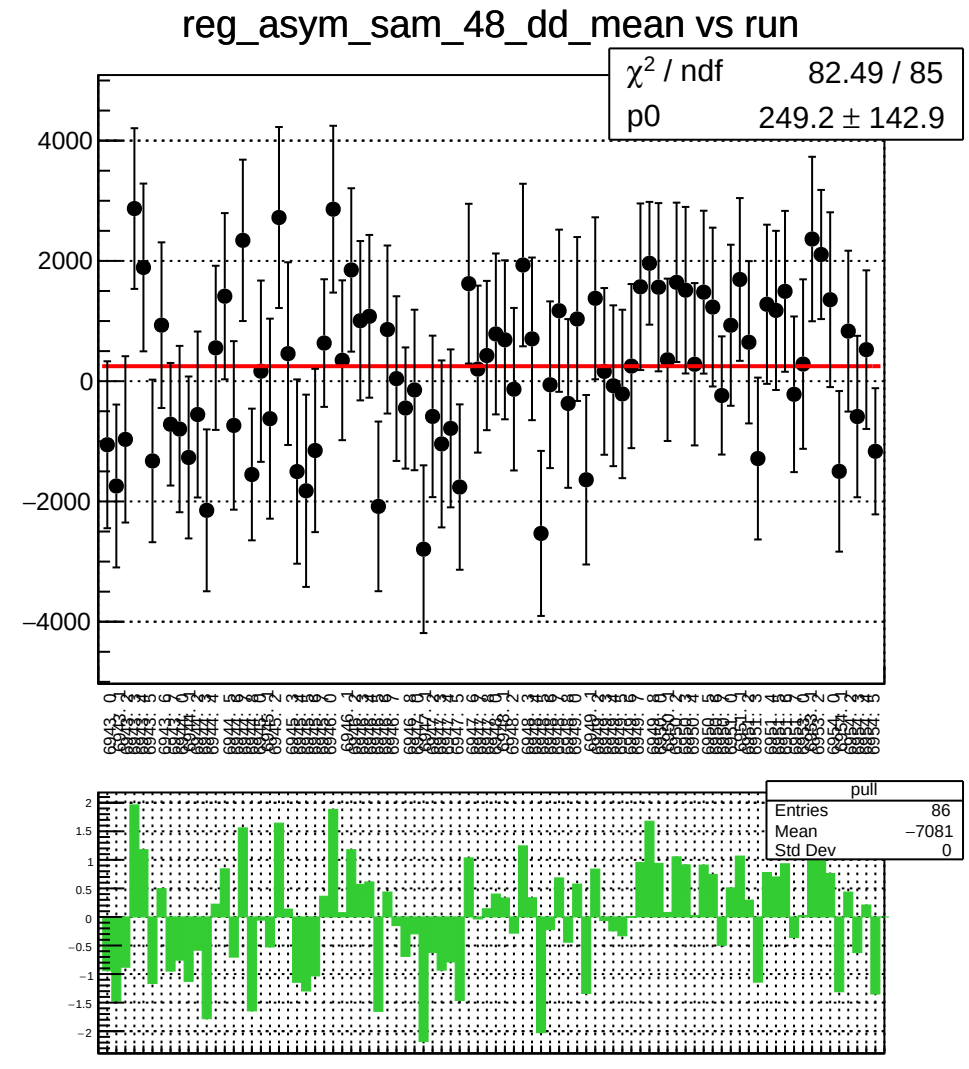

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.35 / 85
p0 0.1062 ± 0.03125
pull
Entries 86
Mean 41.87
Std Dev 0

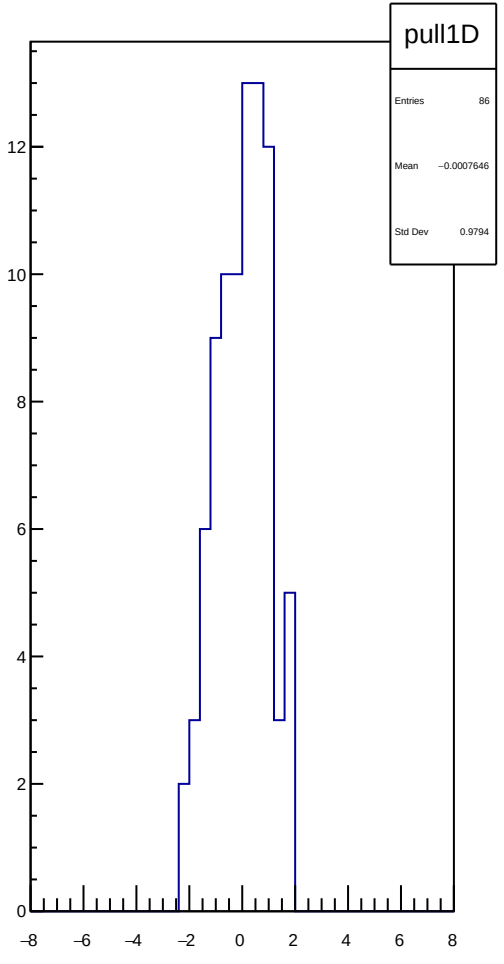

pull1D
Entries 86
Mean 0.03578
Std Dev 0.9956


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.776e+05 / 85
p0 26.87 ± 0.0221
60
50
40
30
20
10

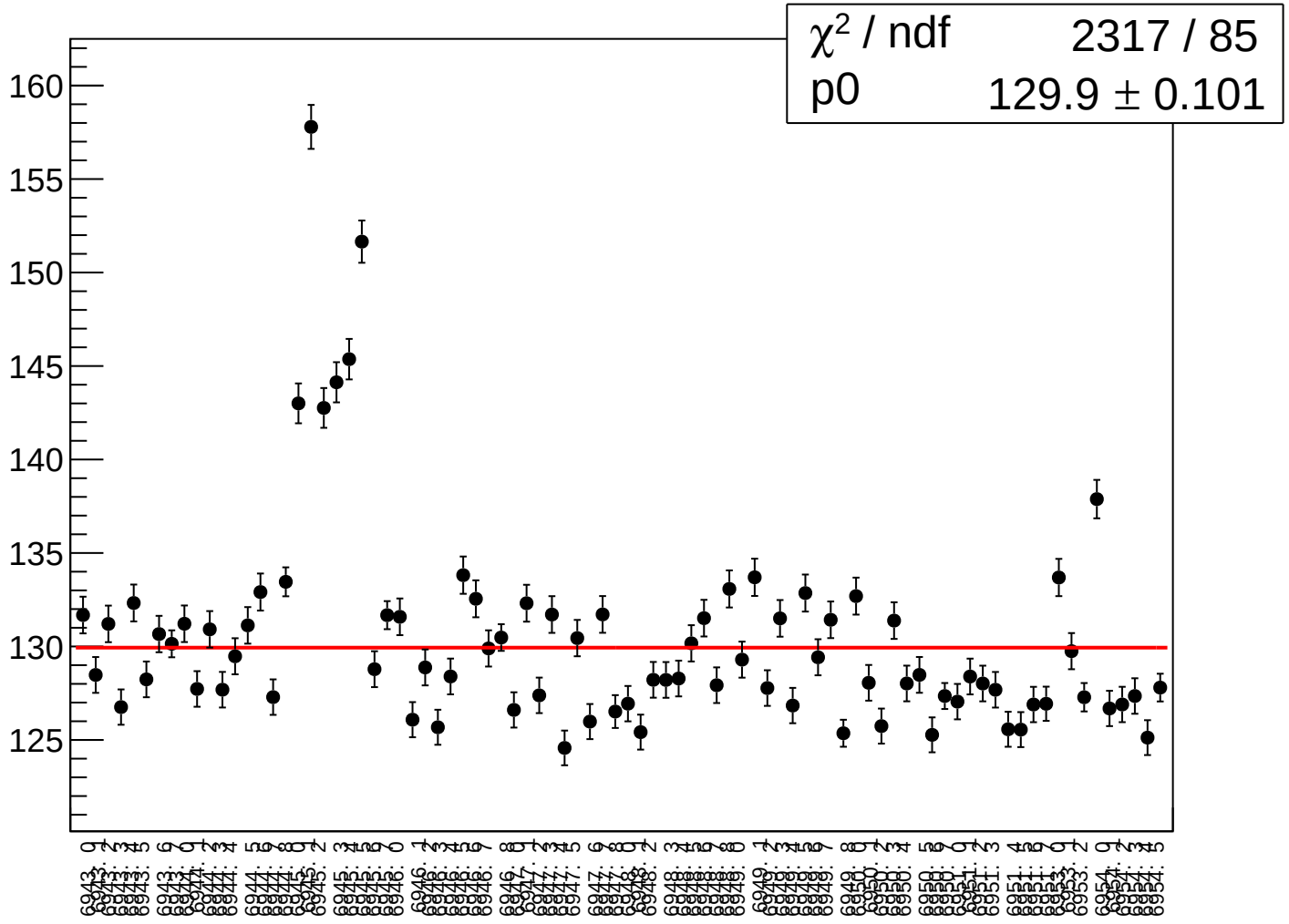

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.9 / 85
p0 −7.971e−15 ± 1.131e−14
pull
Entries 86
Mean 75.35
Std Dev 0
pull1D
Entries 86
Mean 0.1564
Std Dev 1.119

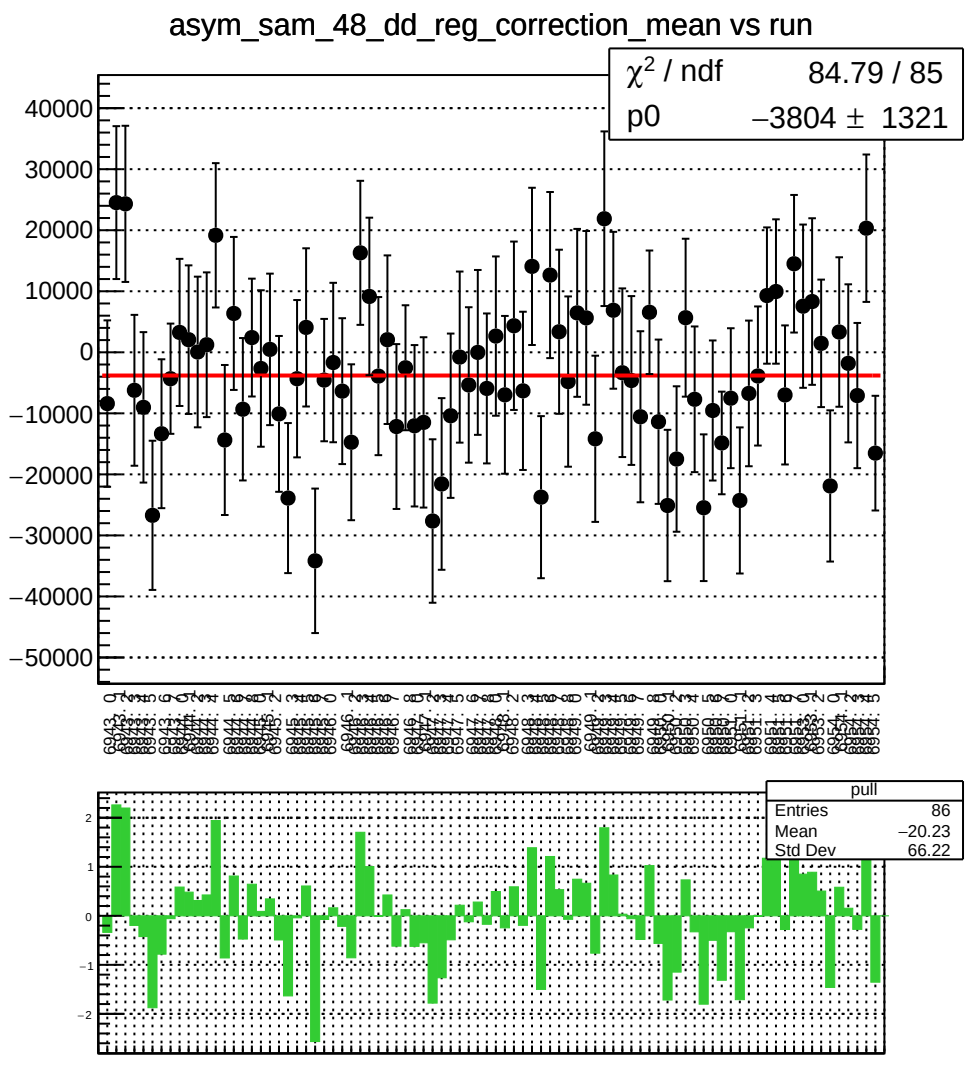

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.707e+05 / 85
p0 7.937e−12 ± 7.995e−15
80
70
60
50
40
30
20
10

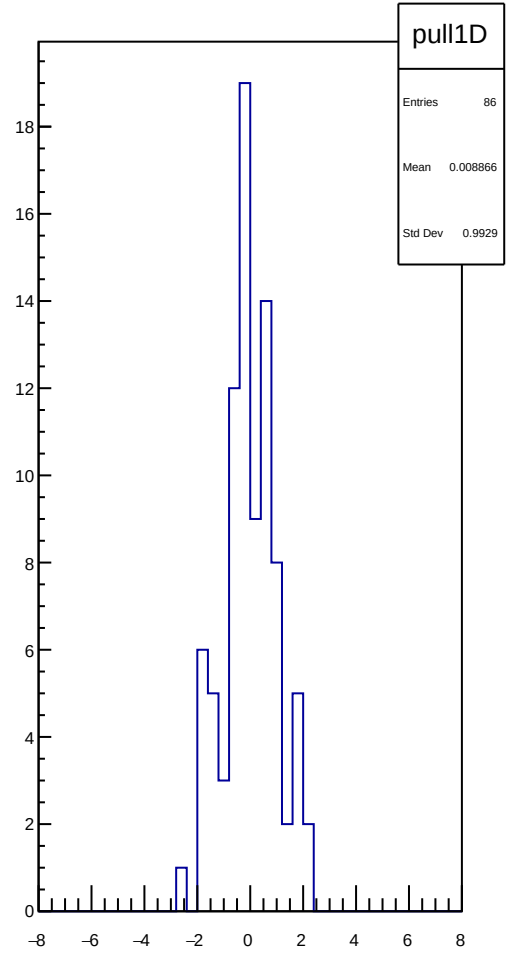

reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 82.49 / 85
p0 249.2 ± 142.9
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −7081
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

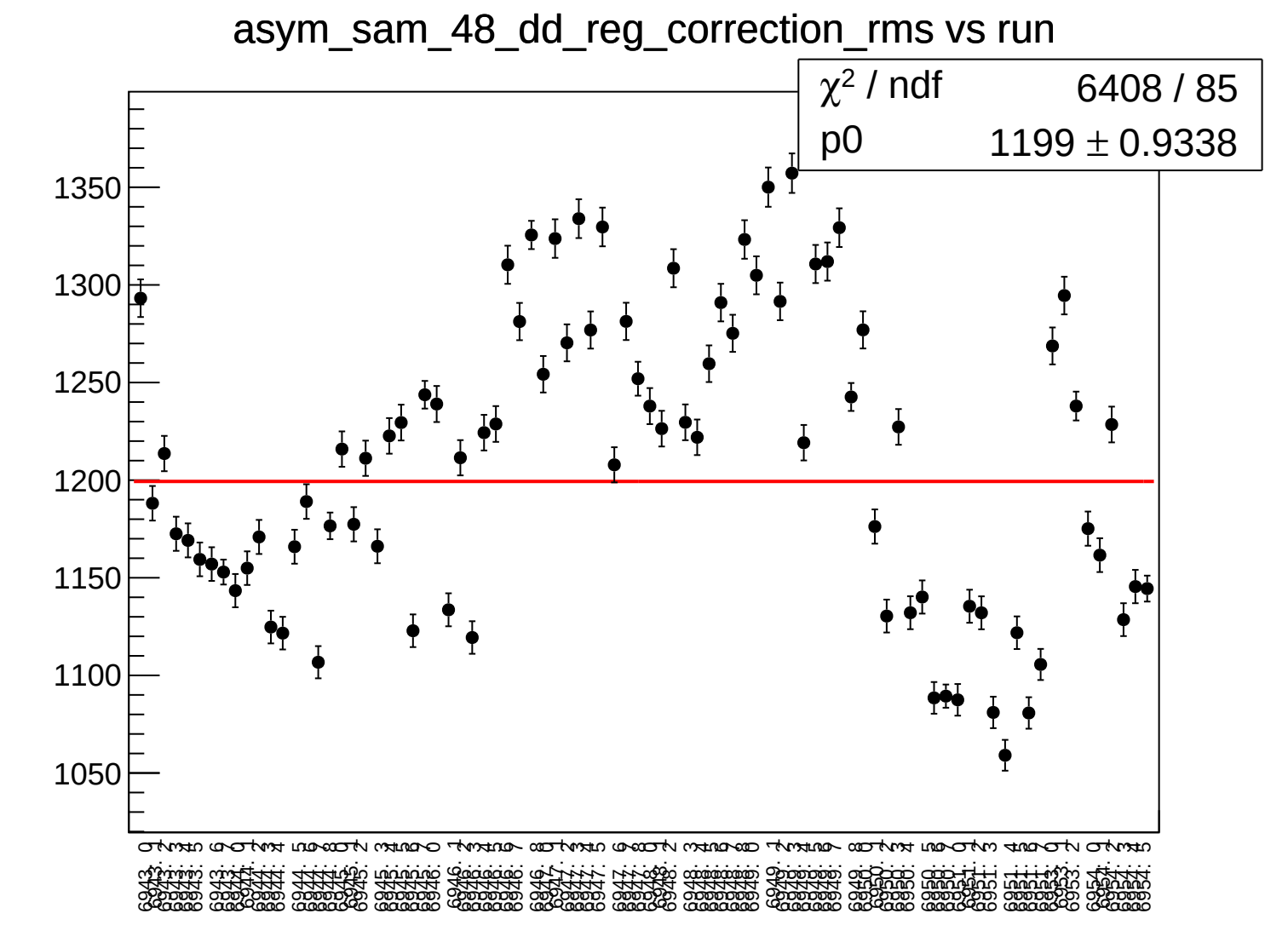

pull1D
Entries 86
Mean −0.0007646
Std Dev 0.9794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

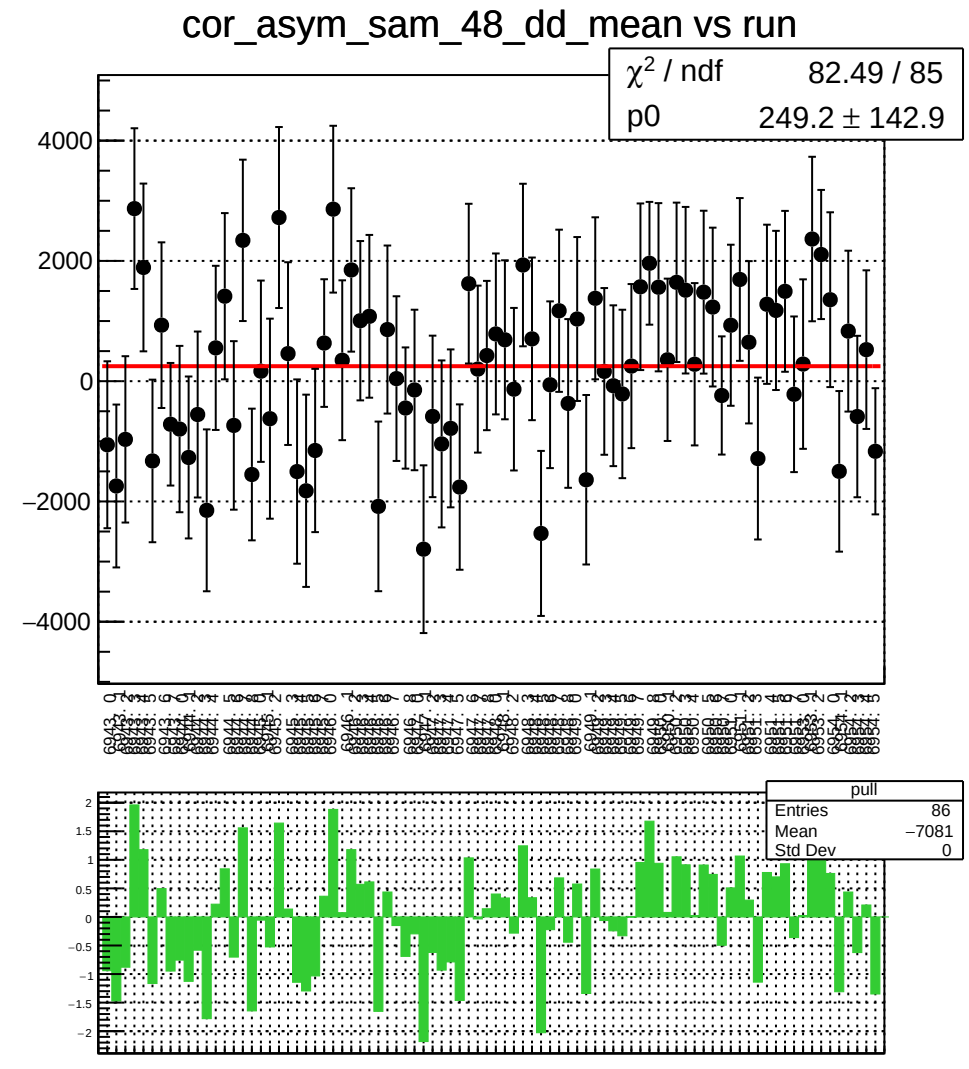
reg_asym_sam_48_dd_rms vs run

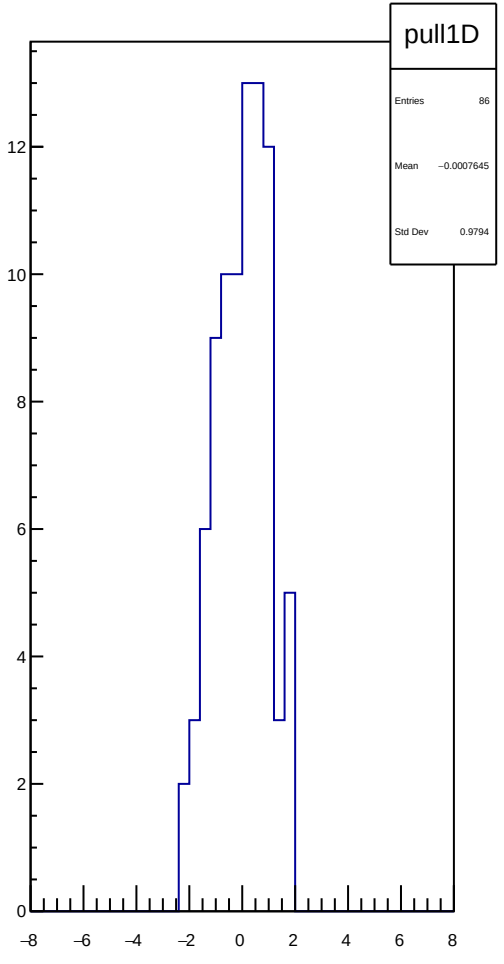


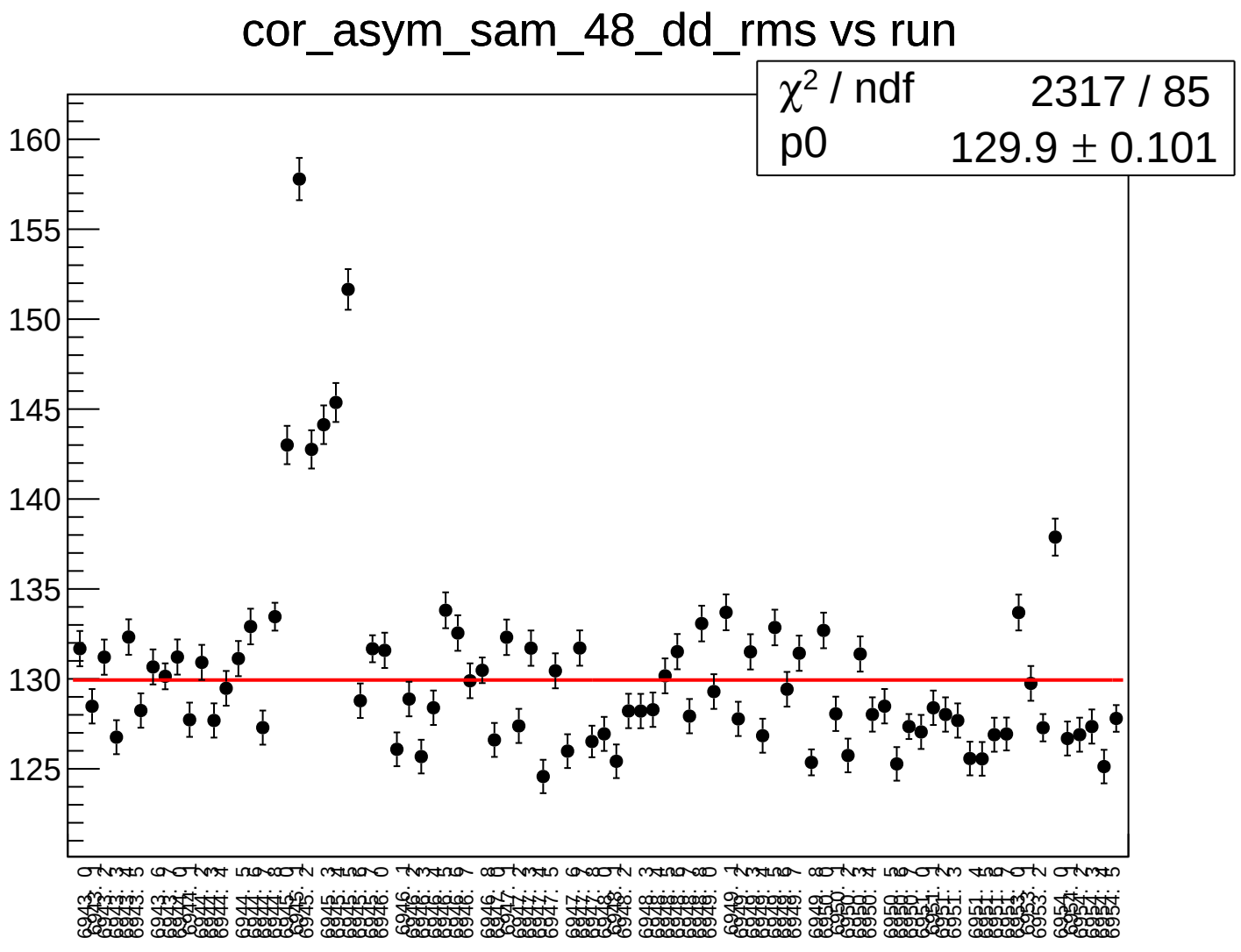

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 84.79 / 85
p0 −3804 ± 1321
pull
Entries 86
Mean −20.23
Std Dev 66.22

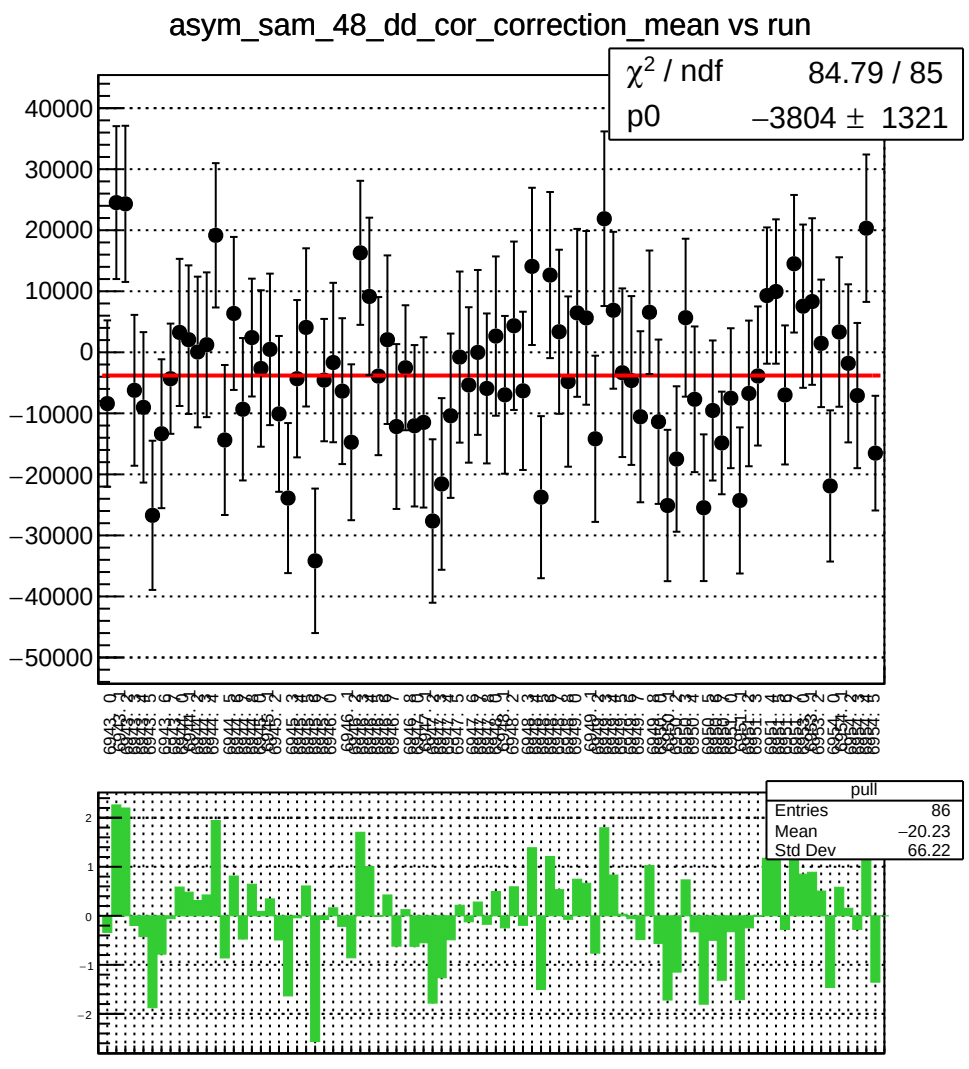

pull1D
Entries 86
Mean 0.008866
Std Dev 0.9929

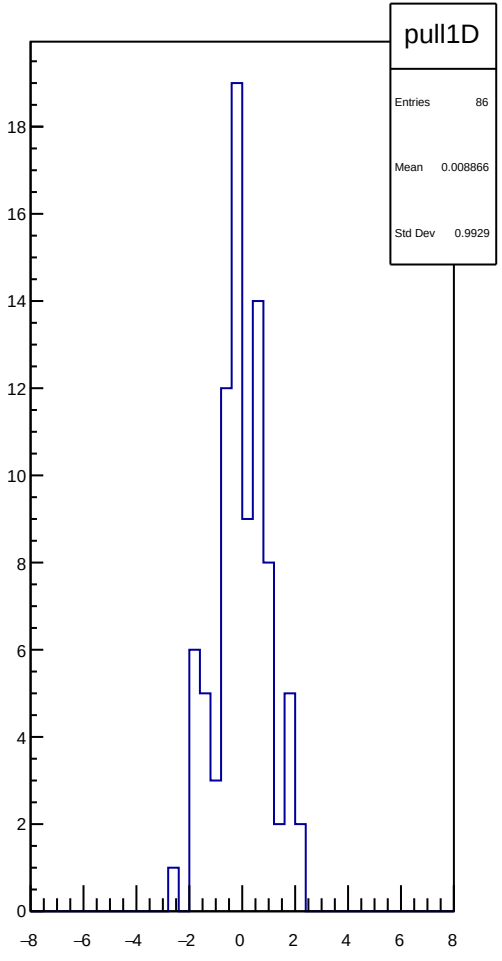

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 6408 / 85
p0 1199 ± 0.9338
1350
1300
1250
1200
1150
1100
1050

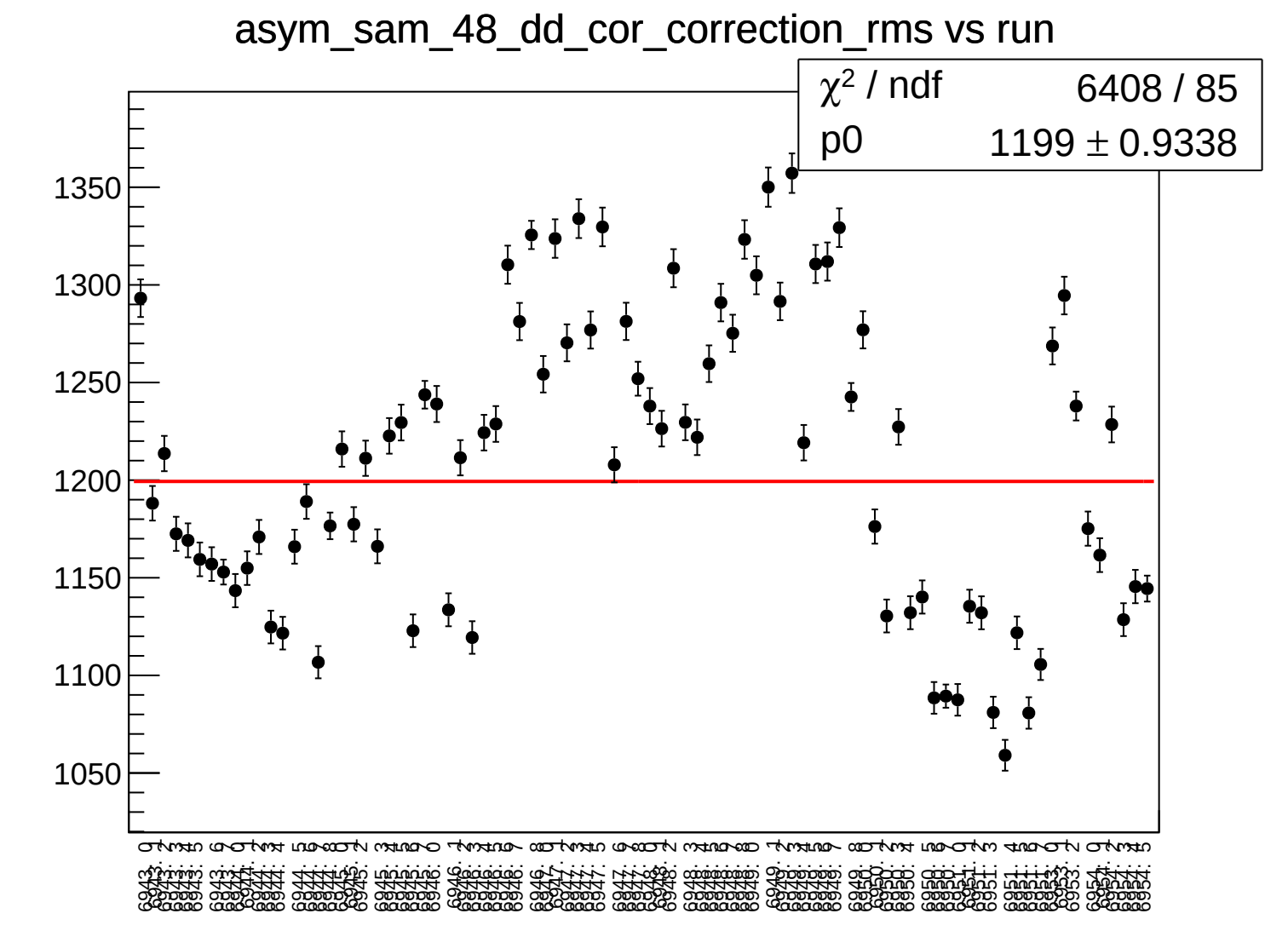

cor_asym_sam_48_dd_mean vs run
χ² / ndf 82.49 / 85
p0 249.2 ± 142.9
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −7081
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

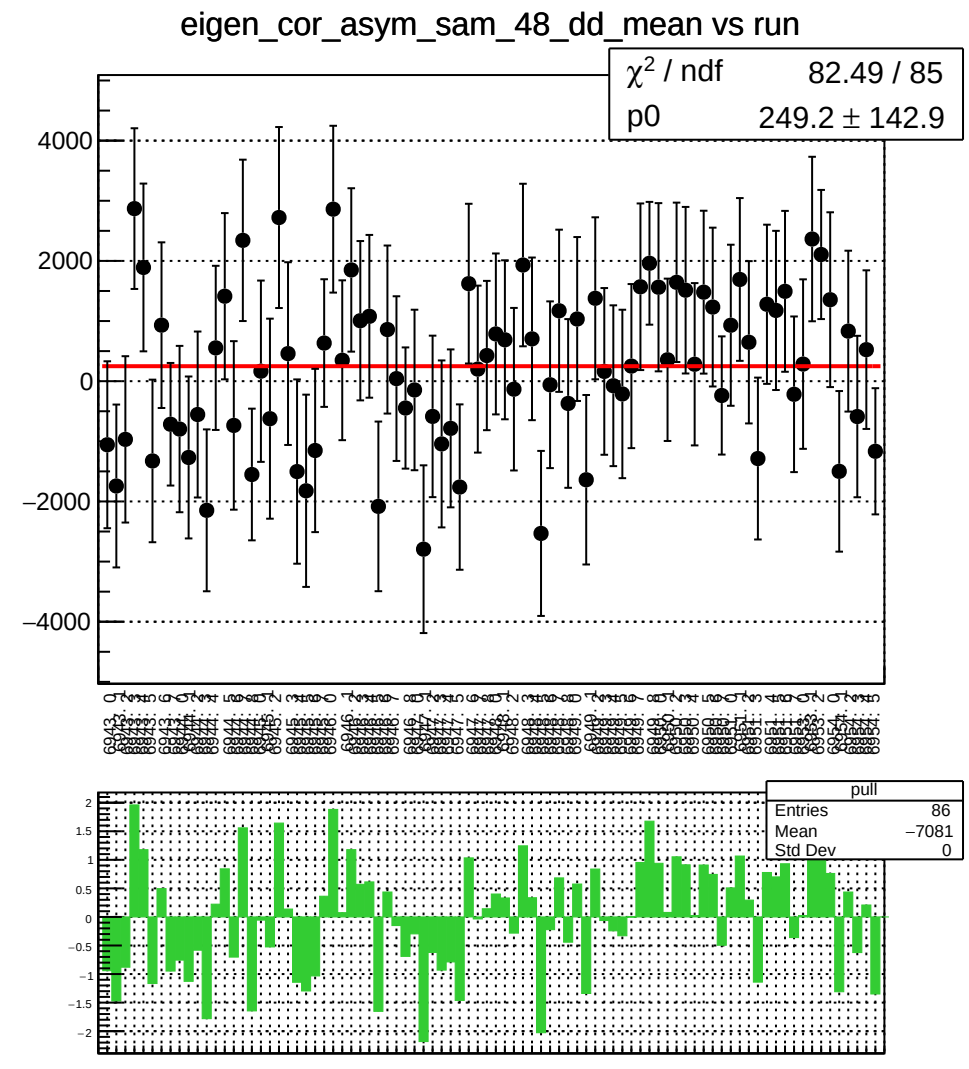

pull1D
Entries 86
Mean −0.0007645
Std Dev 0.9794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

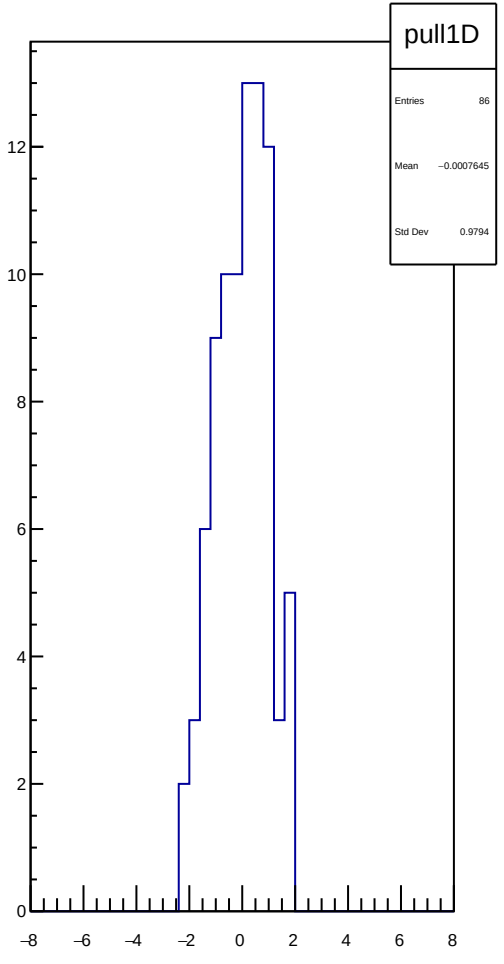

cor_asym_sam_48_dd_rms vs run
χ² / ndf 2317 / 85
p0 129.9 ± 0.101
160
155
150
145
140
135
130
125

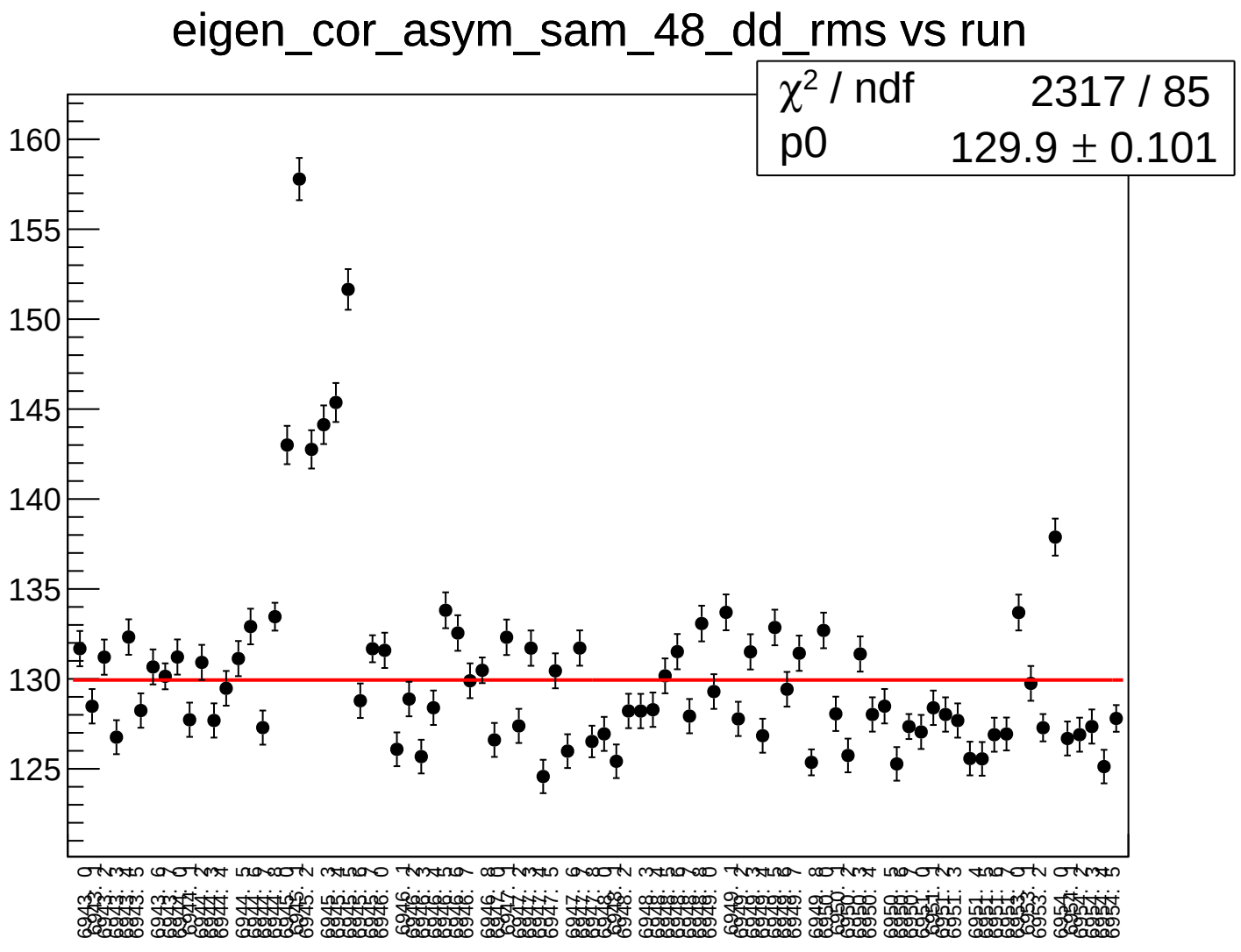

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 84.79 / 85
p0 −3804 ± 1321
pull
Entries 86
Mean −20.23
Std Dev 66.22

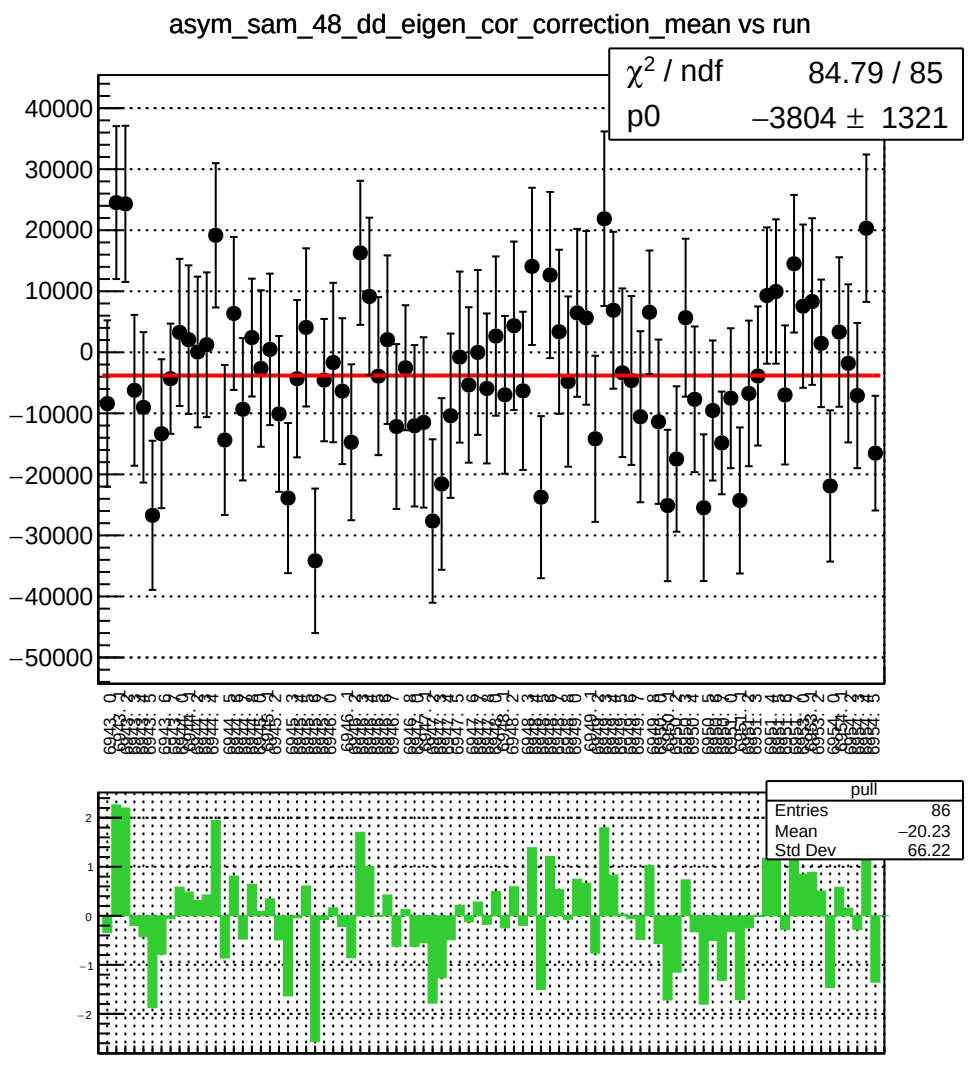

pull1D
Entries 86
Mean 0.008866
Std Dev 0.9929

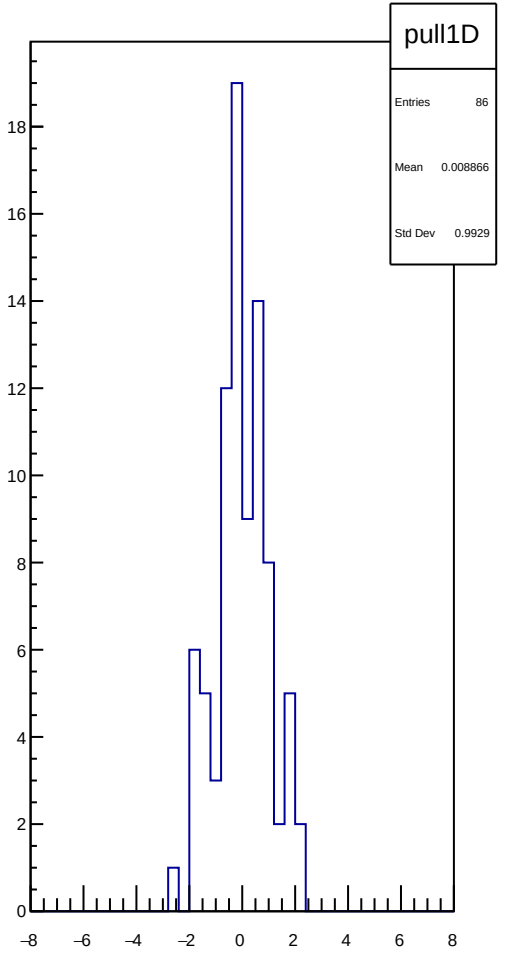

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 6408 / 85
p0 1199 ± 0.9338
1350
1300
1250
1200
1150
1100
1050

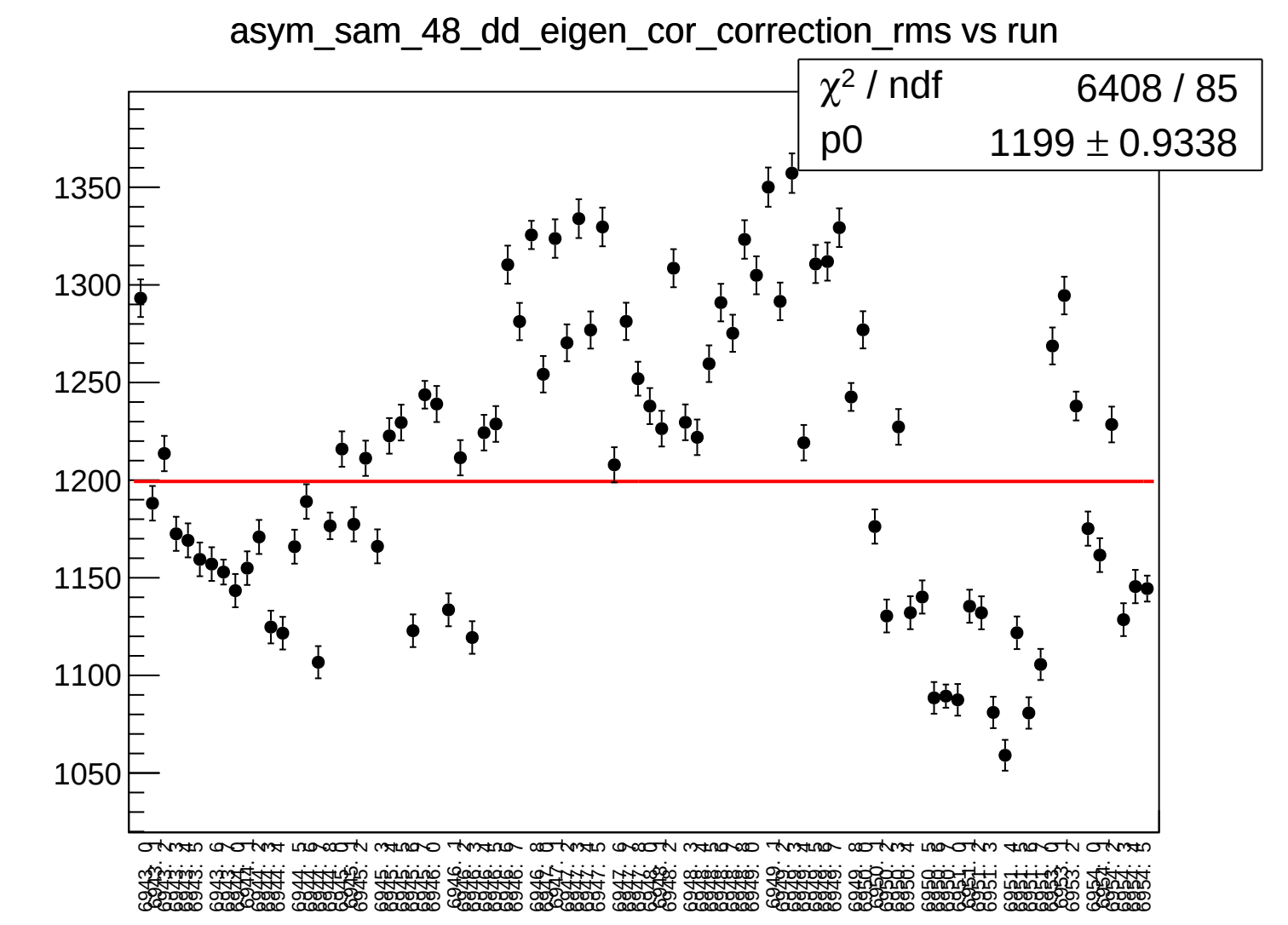

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 82.49 / 85
p0 249.2 ± 142.9
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −7081
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

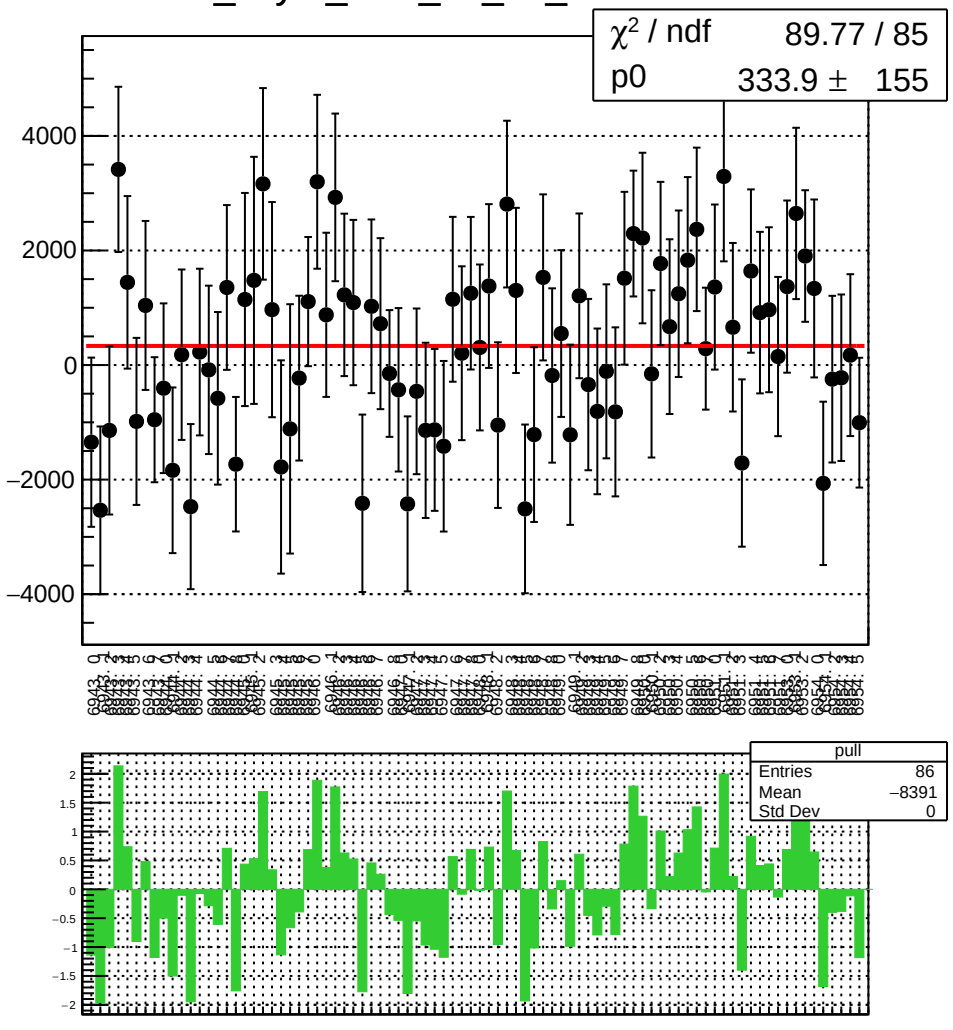

pull1D
Entries 86
Mean −0.0007645
Std Dev 0.9794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

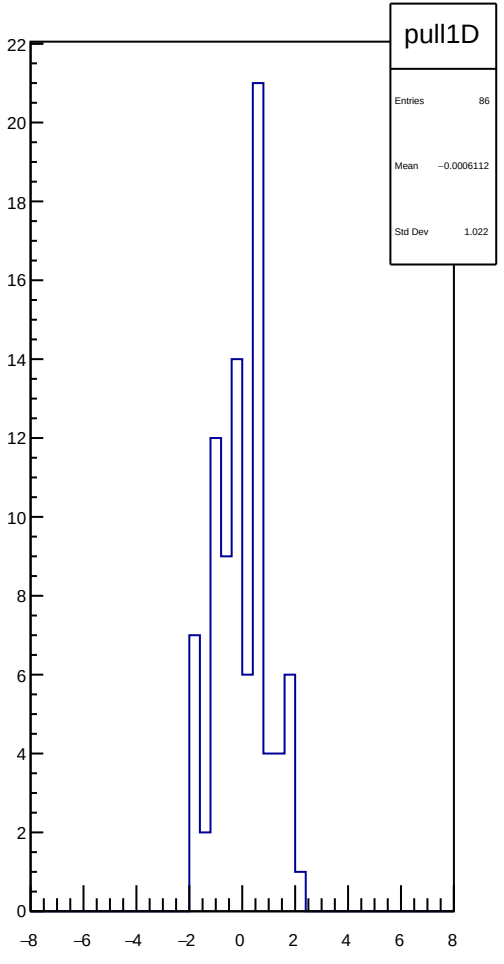

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 2317 / 85
p0 129.9 ± 0.101
160
155
150
145
140
135
130
125

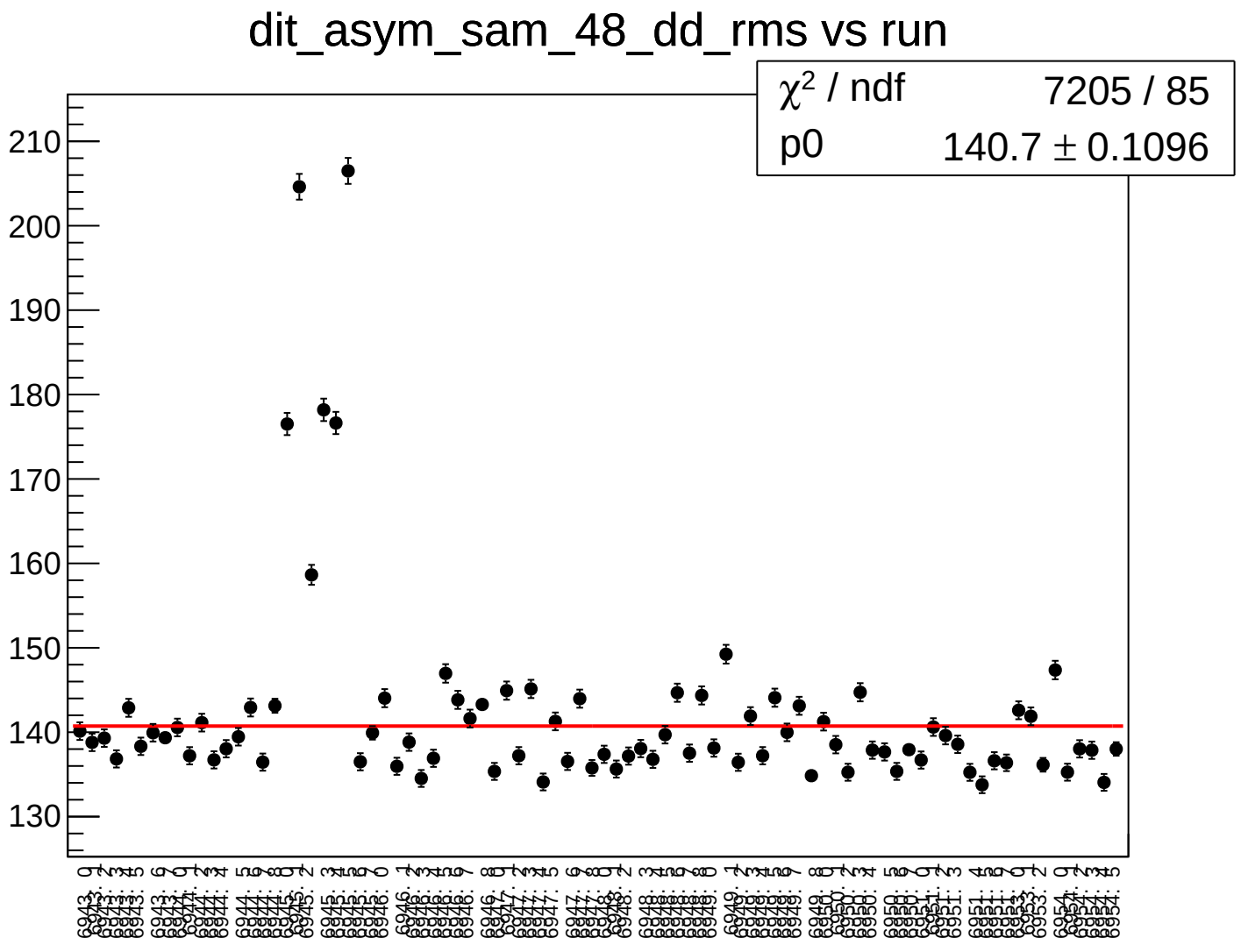

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.79 / 85
p0 −3804 ± 1321
pull
Entries 86
Mean −20.23
Std Dev 66.22

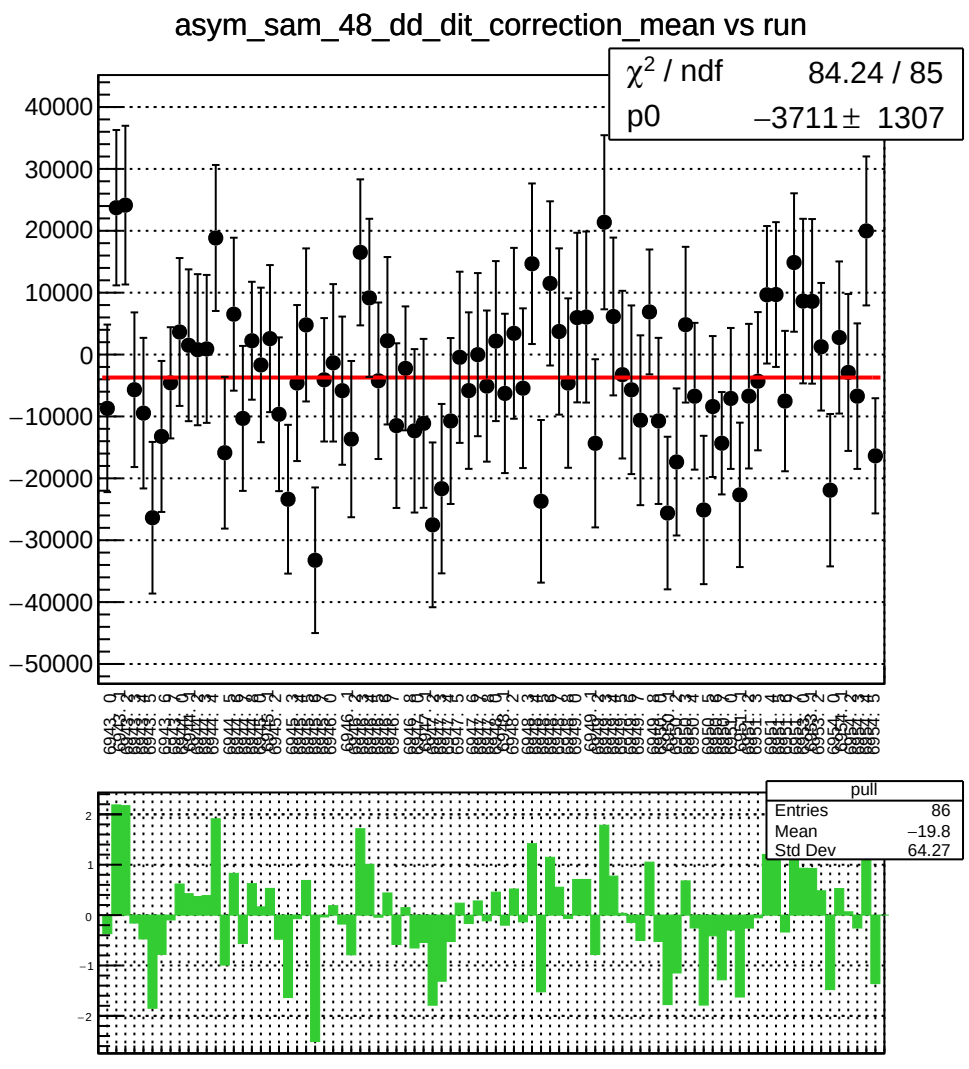

pull1D
Entries 86
Mean 0.008866
Std Dev 0.9929

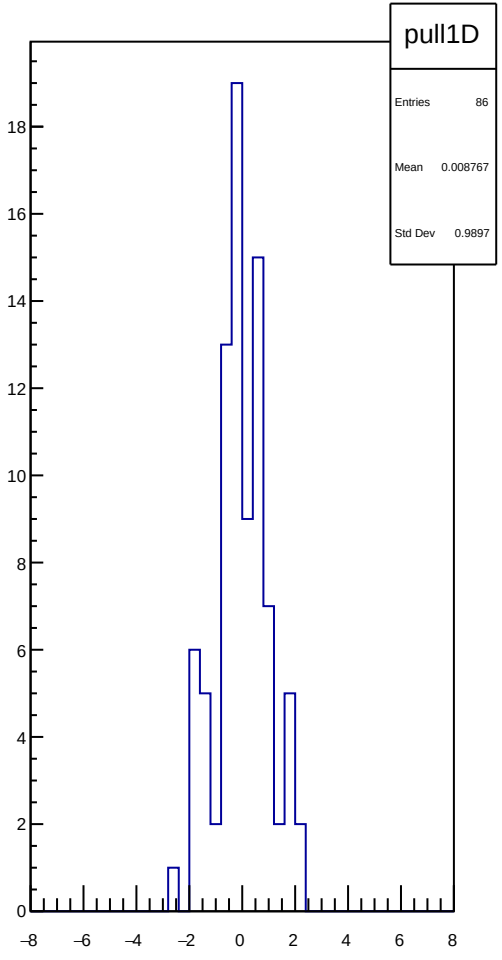

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6408 / 85
p0 1199 ± 0.9338
1350
1300
1250
1200
1150
1100
1050

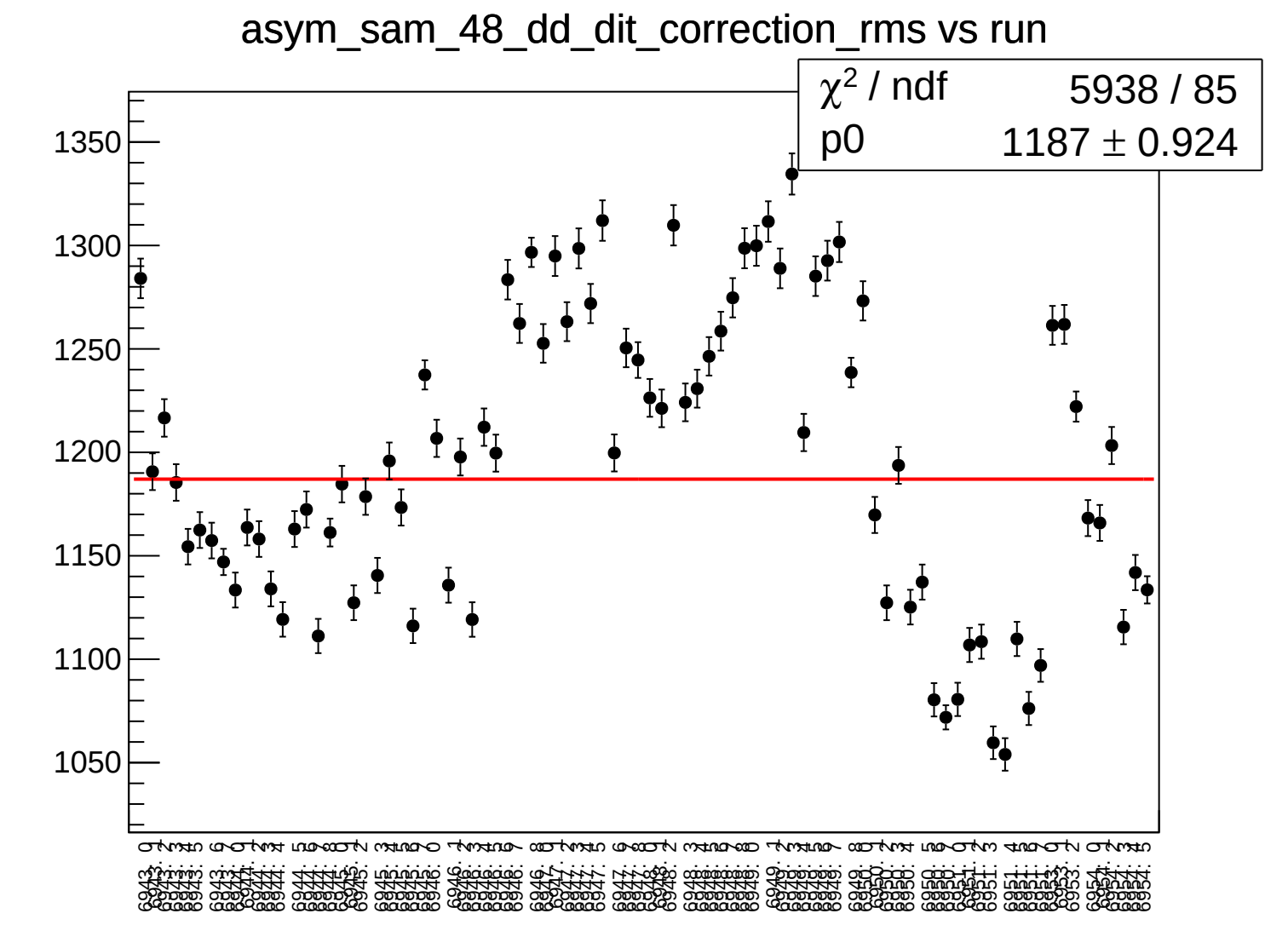

dit_asym_sam_48_dd_mean vs run
χ² / ndf 89.77 / 85
p0 333.9 ± 155
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −8391
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

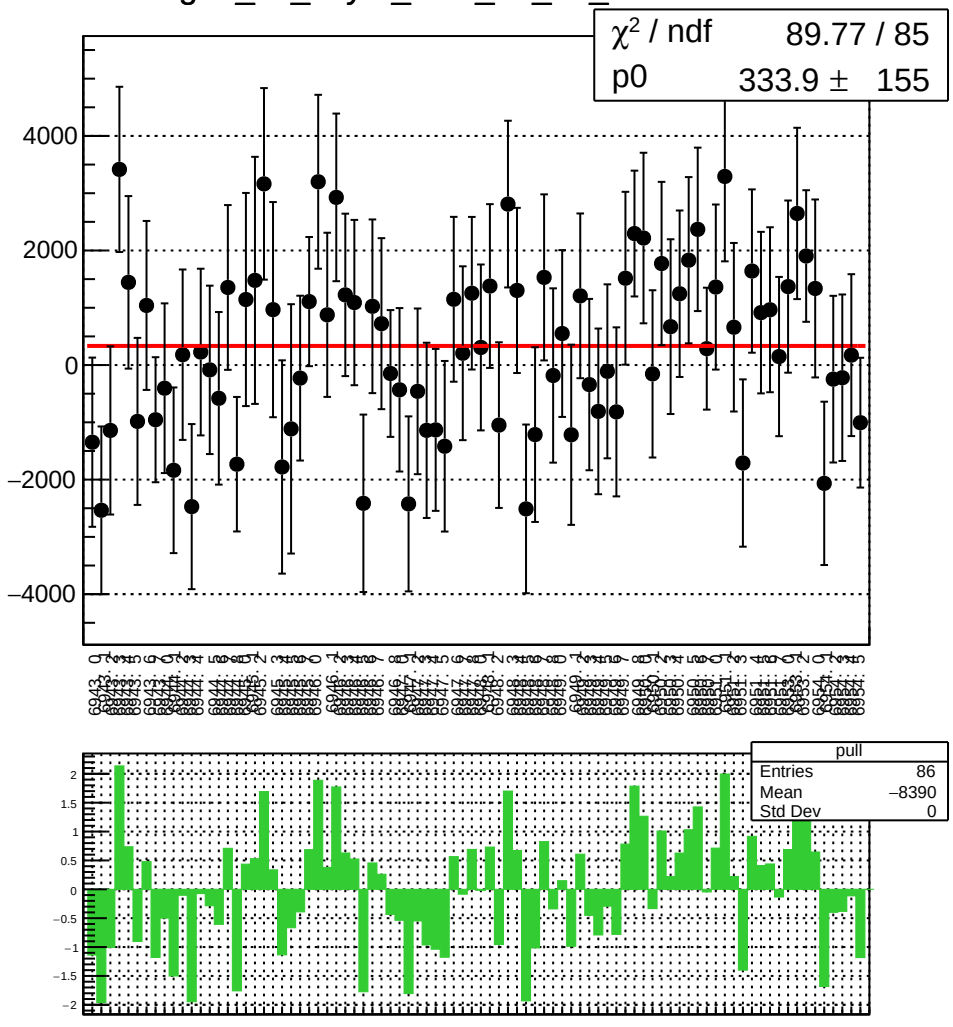

pull1D
Entries 86
Mean −0.0006112
Std Dev 1.022
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

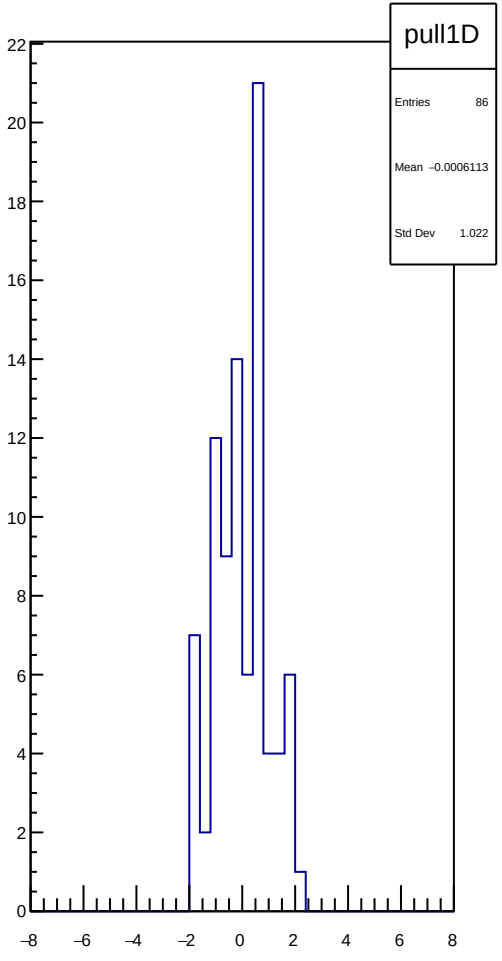

dit_asym_sam_48_dd_rms vs run
χ² / ndf 7205 / 85
p0 140.7 ± 0.1096
210
200
190
180
170
160
150
140
130

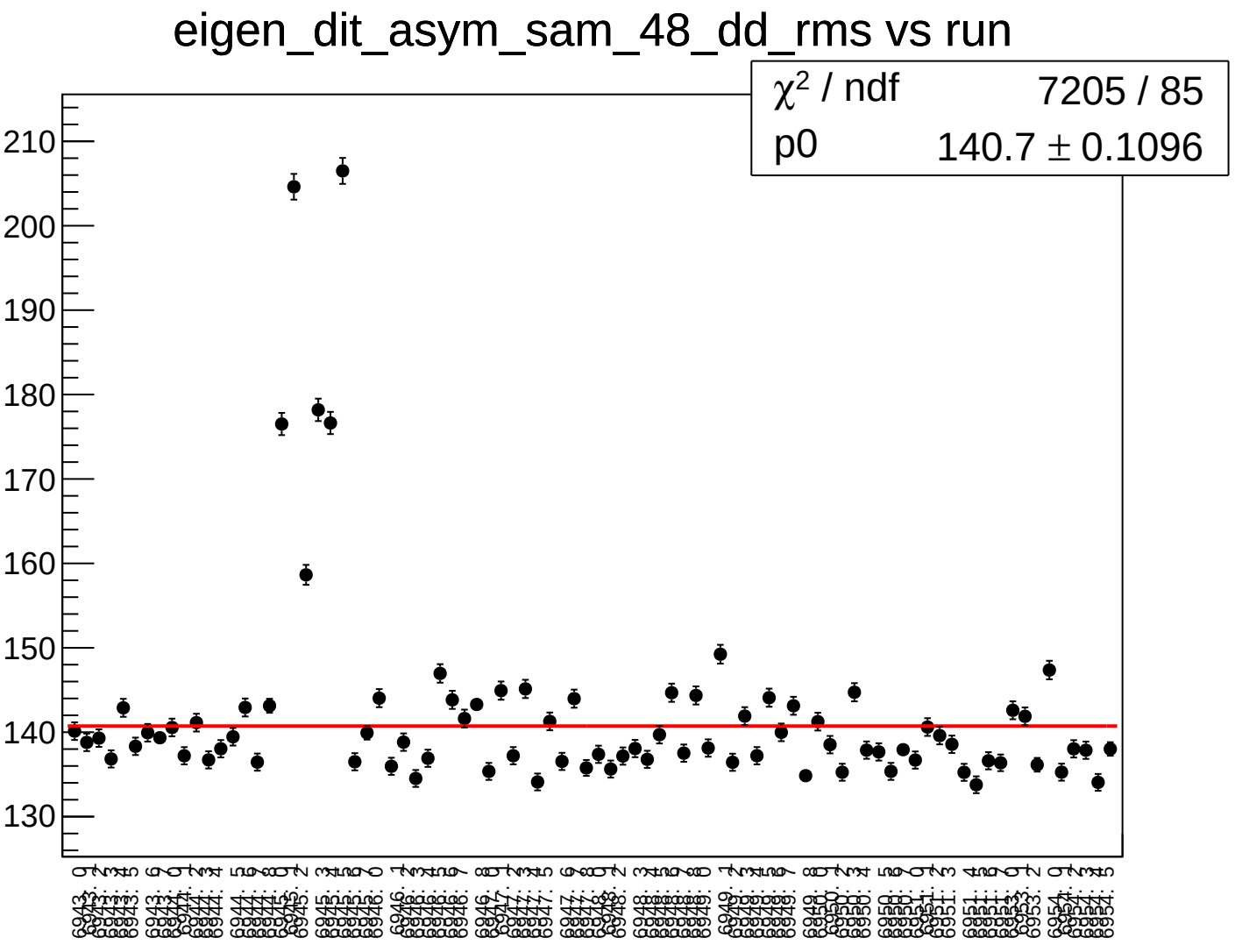

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 84.24 / 85
p0 −3711 ± 1307
pull
Entries 86
Mean −19.8
Std Dev 64.27

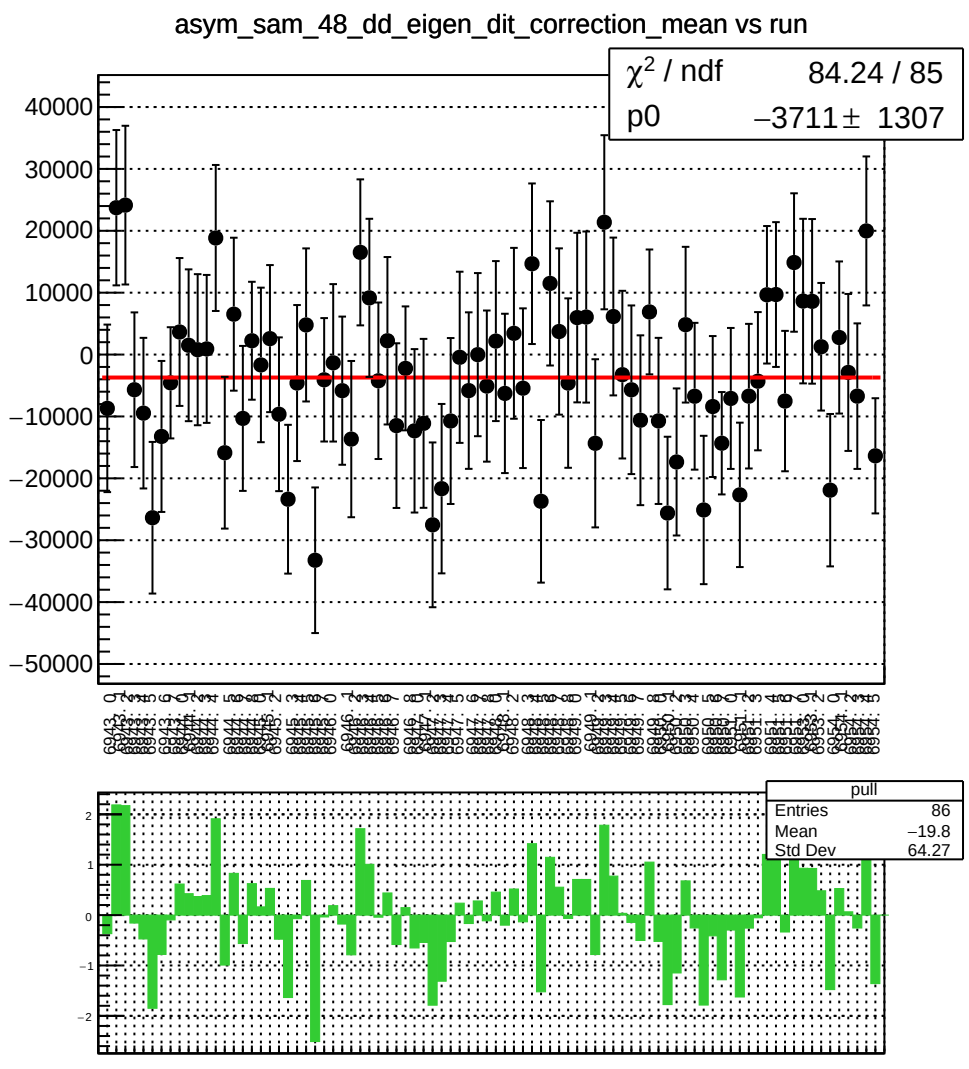

pull1D
Entries 86
Mean 0.008767
Std Dev 0.9897

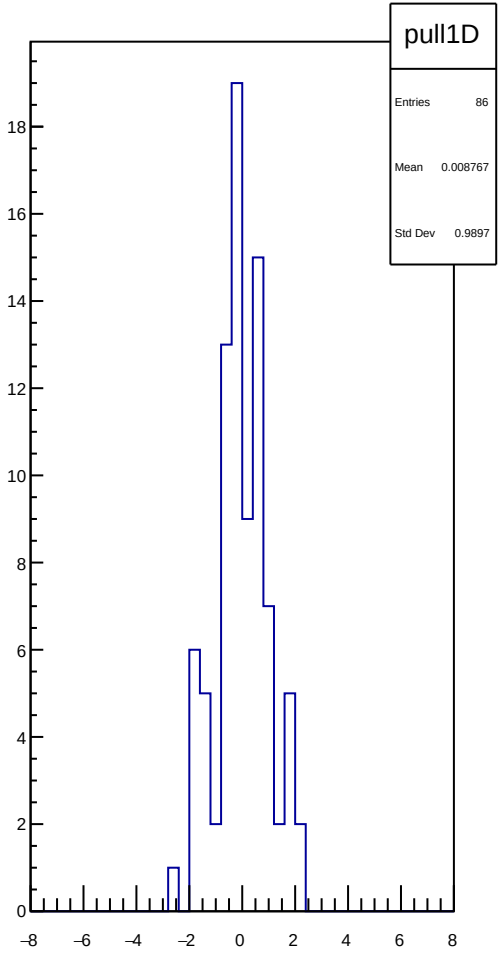

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 5938 / 85
p0 1187 ± 0.924
1350
1300
1250
1200
1150
1100
1050

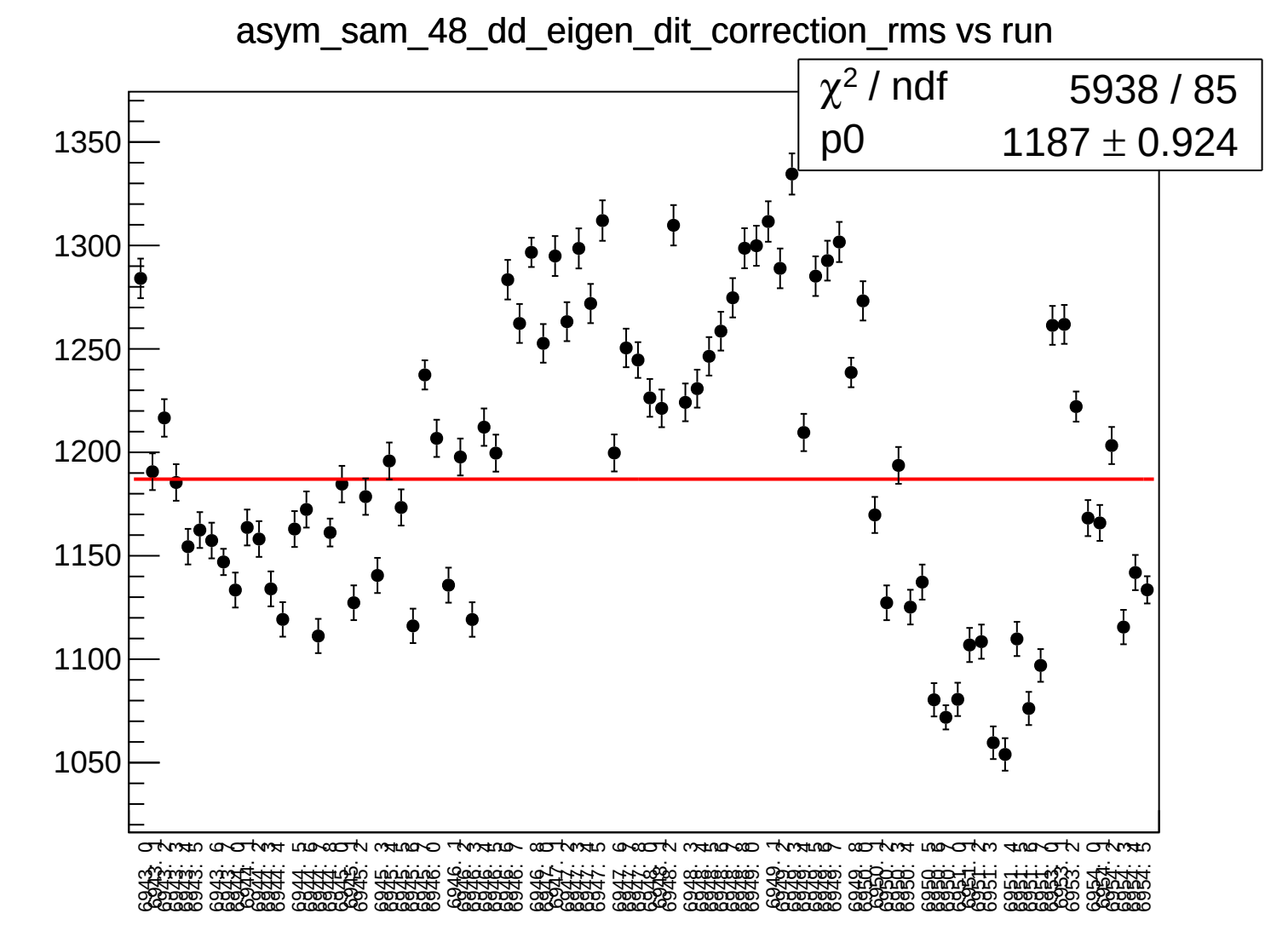

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 89.77 / 85
p0 333.9 ± 155
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −8390
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

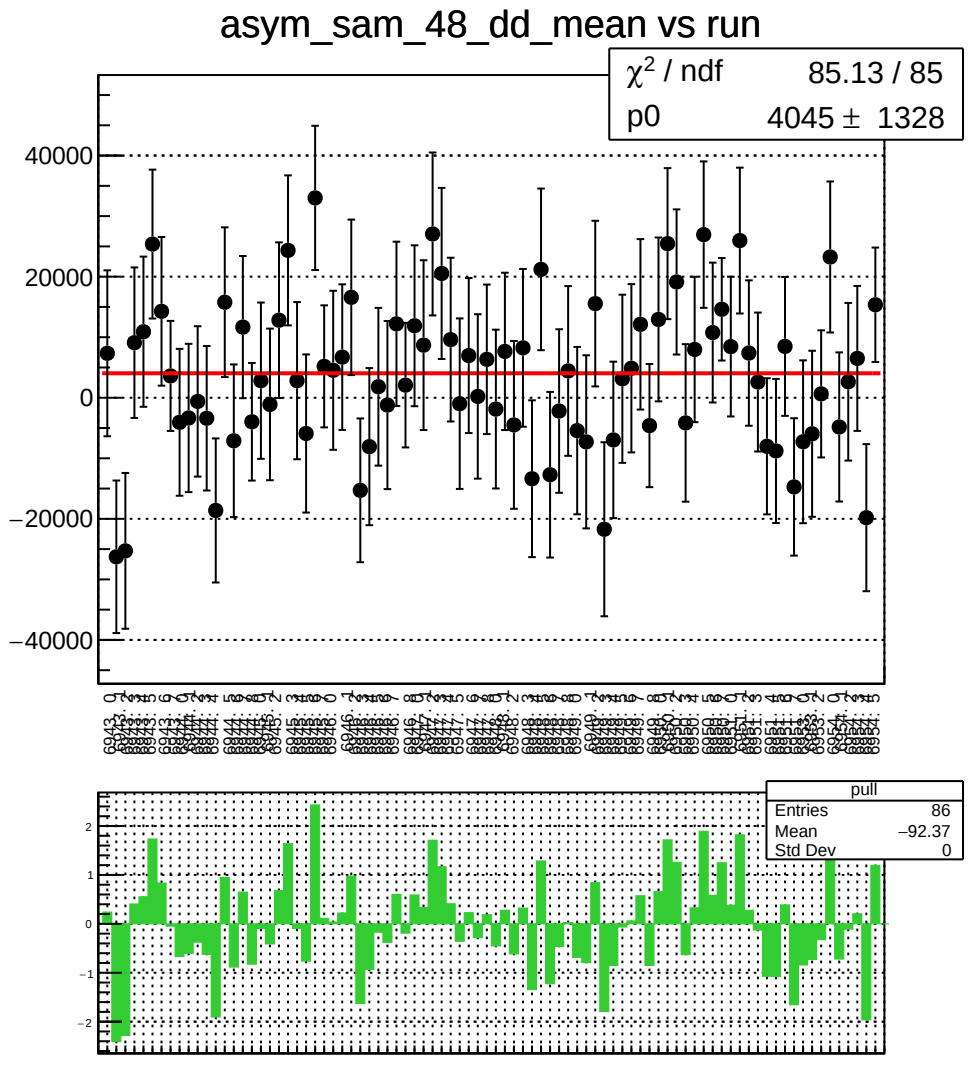

pull1D
Entries 86
Mean −0.0006113
Std Dev 1.022
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

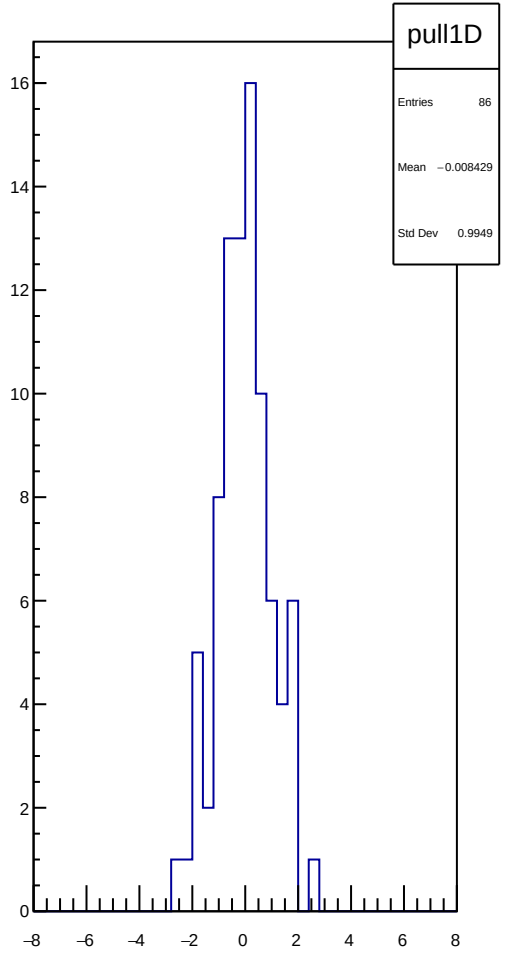

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 7205 / 85
p0 140.7 ± 0.1096
210
200
190
180
170
160
150
140
130

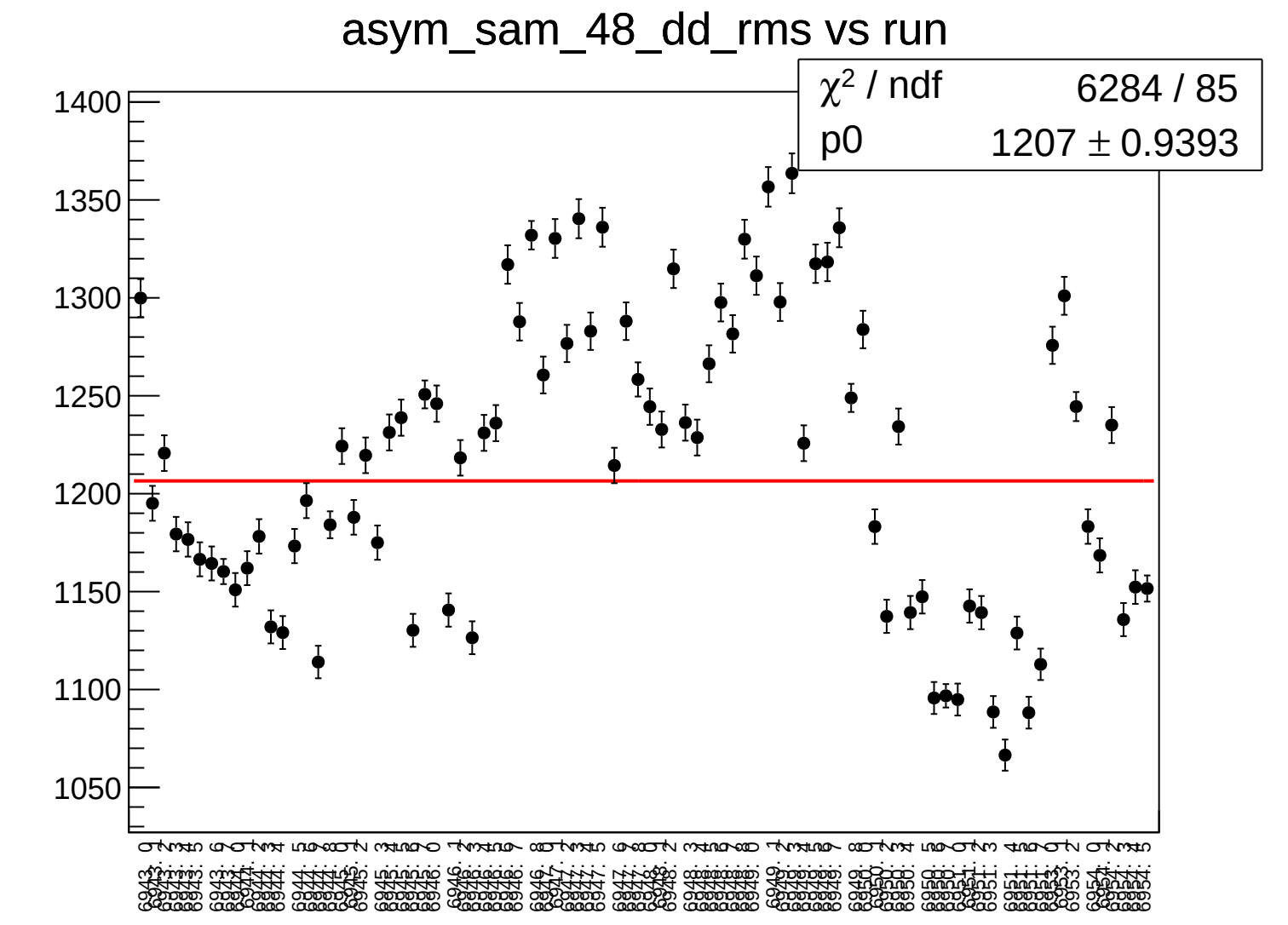

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.24 / 85
p0 −3711 ± 1307
pull
Entries 86
Mean −19.8
Std Dev 64.27

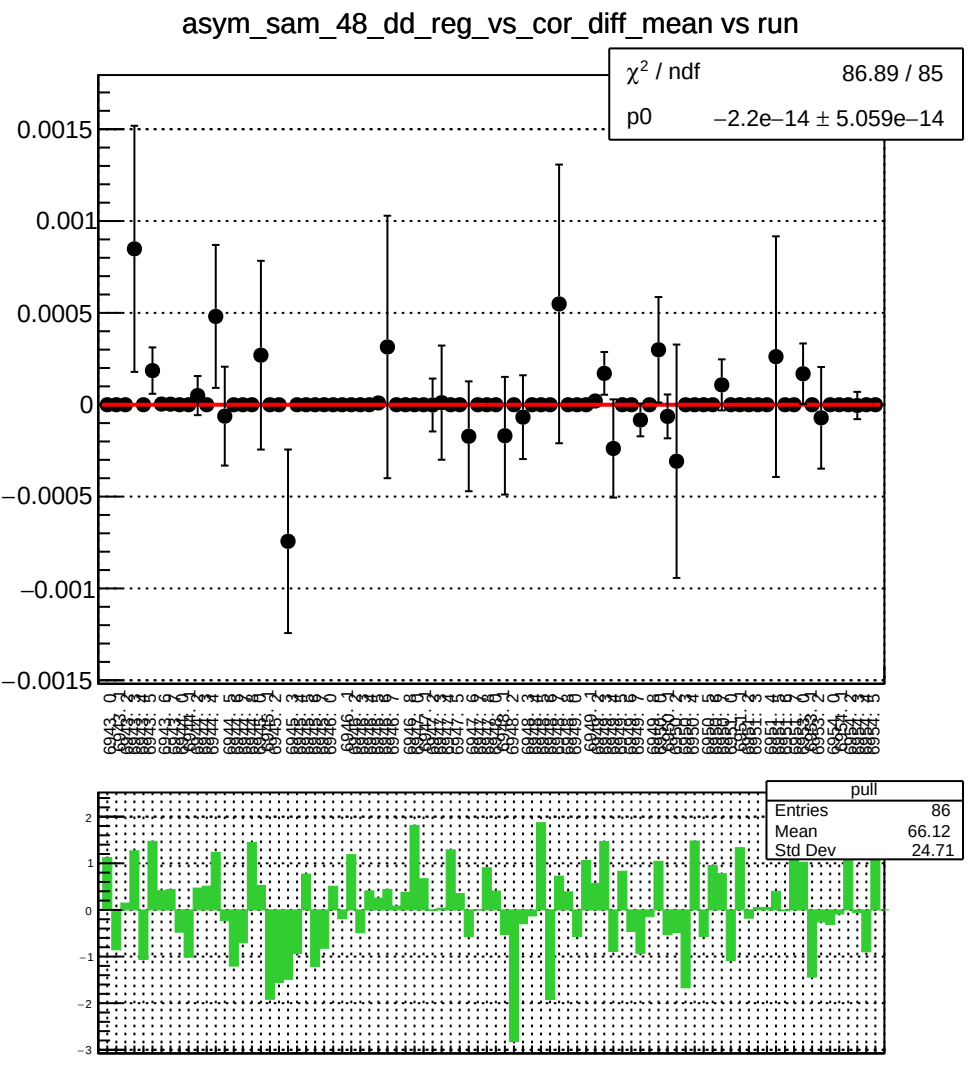

pull1D
Entries 86
Mean 0.008767
Std Dev 0.9897

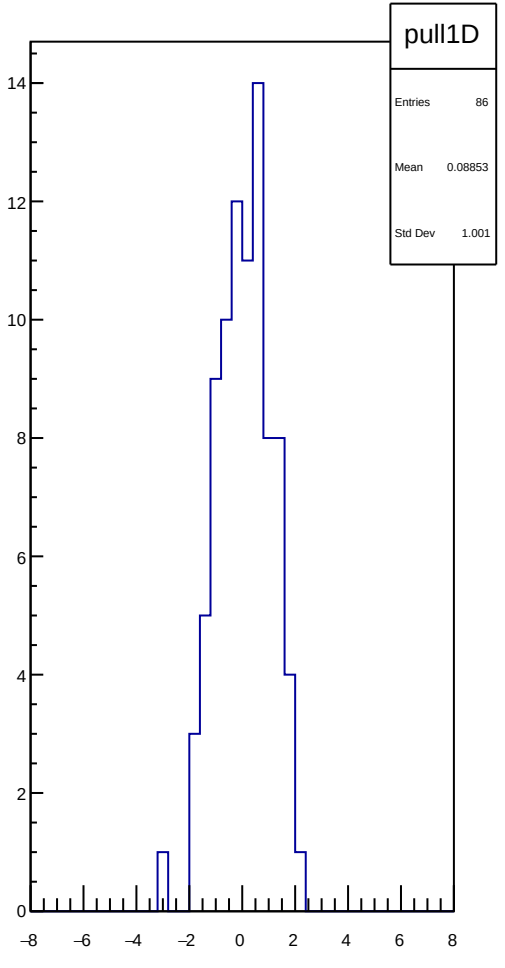

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 5938 / 85
p0 1187 ± 0.924
1350
1300
1250
1200
1150
1100
1050

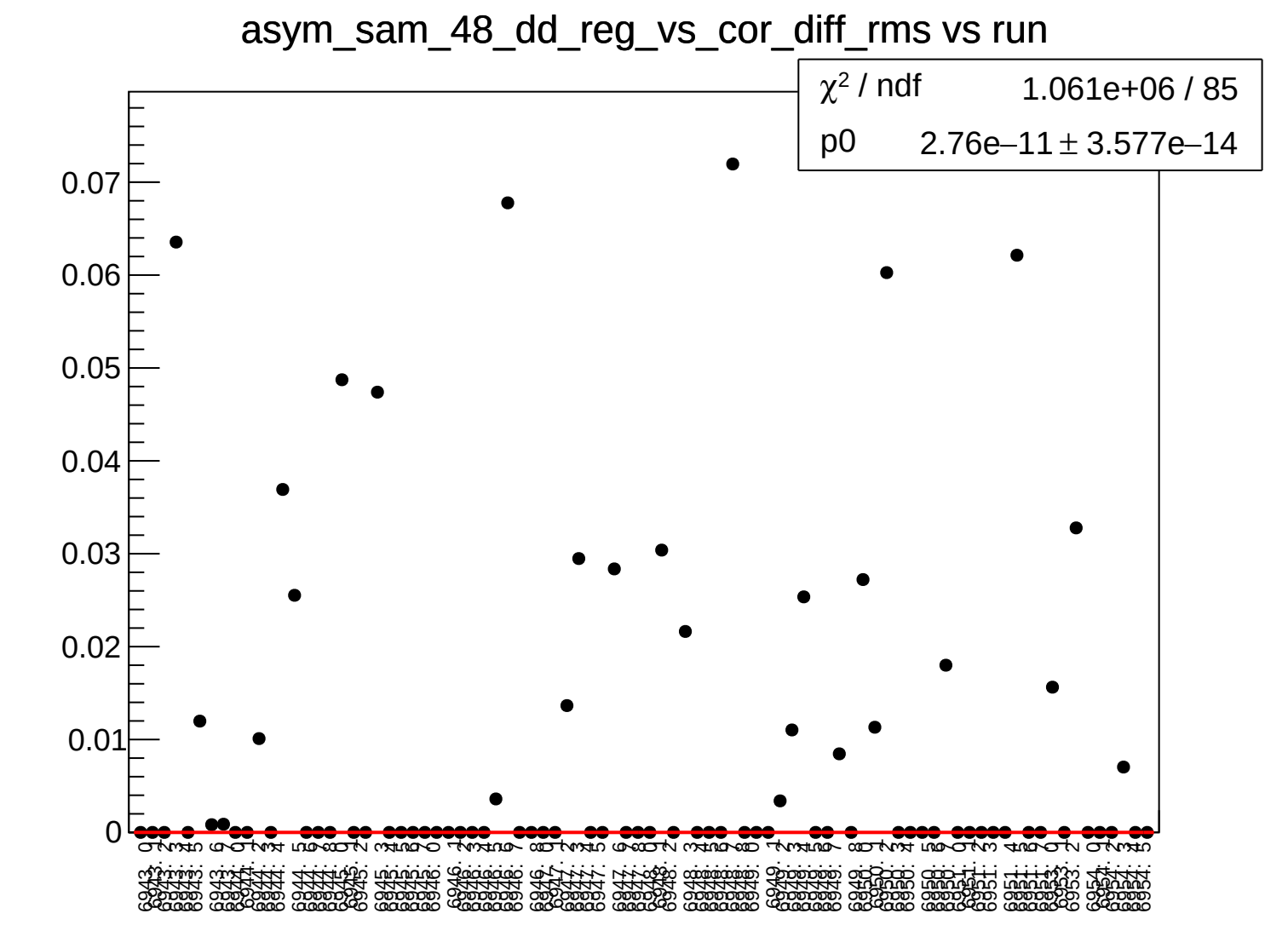

asym_sam_48_dd_mean vs run
χ² / ndf 85.13 / 85
p0 4045 ± 1328
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −92.37
Std Dev 0
2
1
0
−1
−2

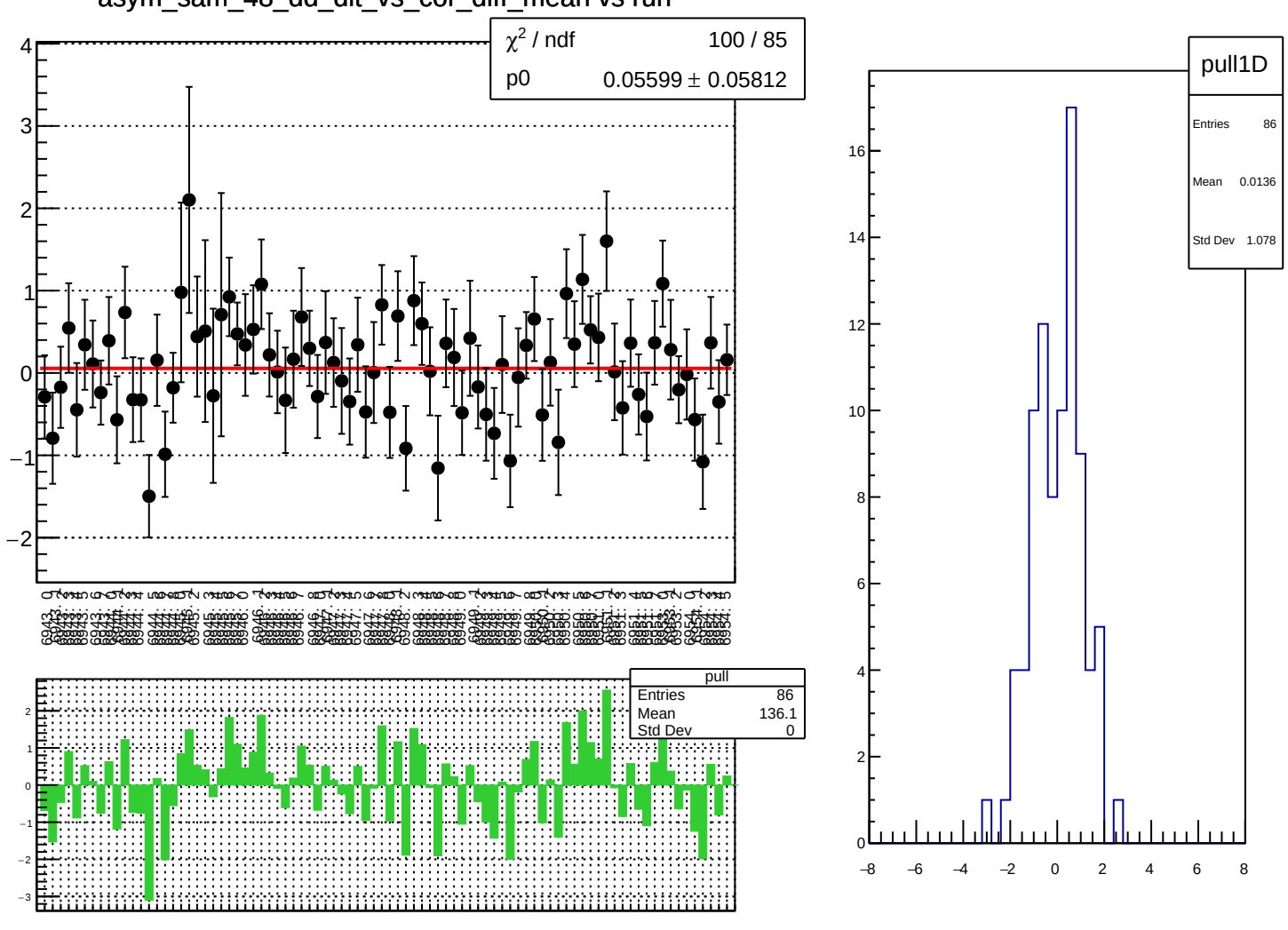

pull1D
Entries 86
Mean −0.008429
Std Dev 0.9949
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

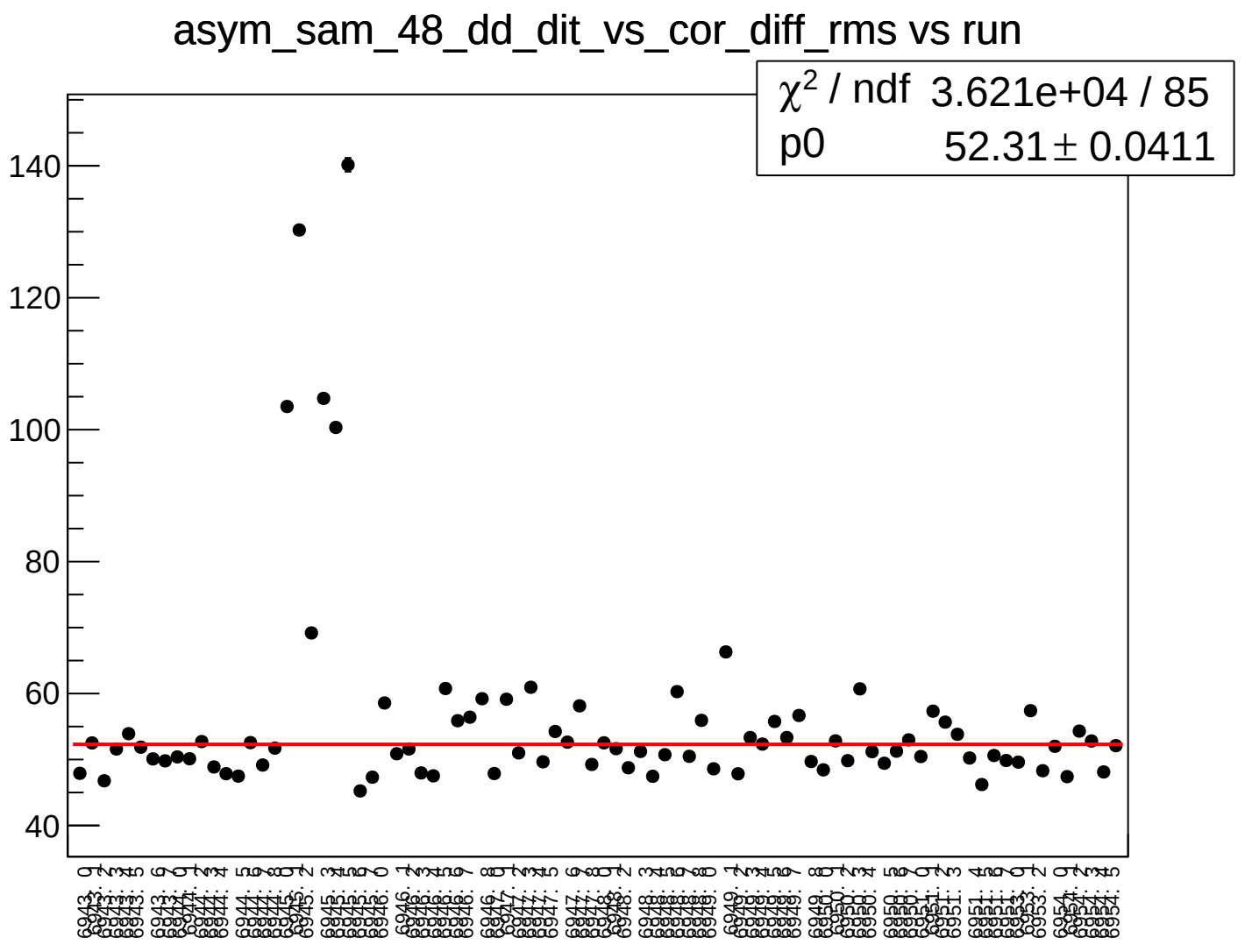

asym_sam_48_dd_rms vs run
χ² / ndf 6284 / 85
p0 1207 ± 0.9393
1400
1350
1300
1250
1200
1150
1100
1050

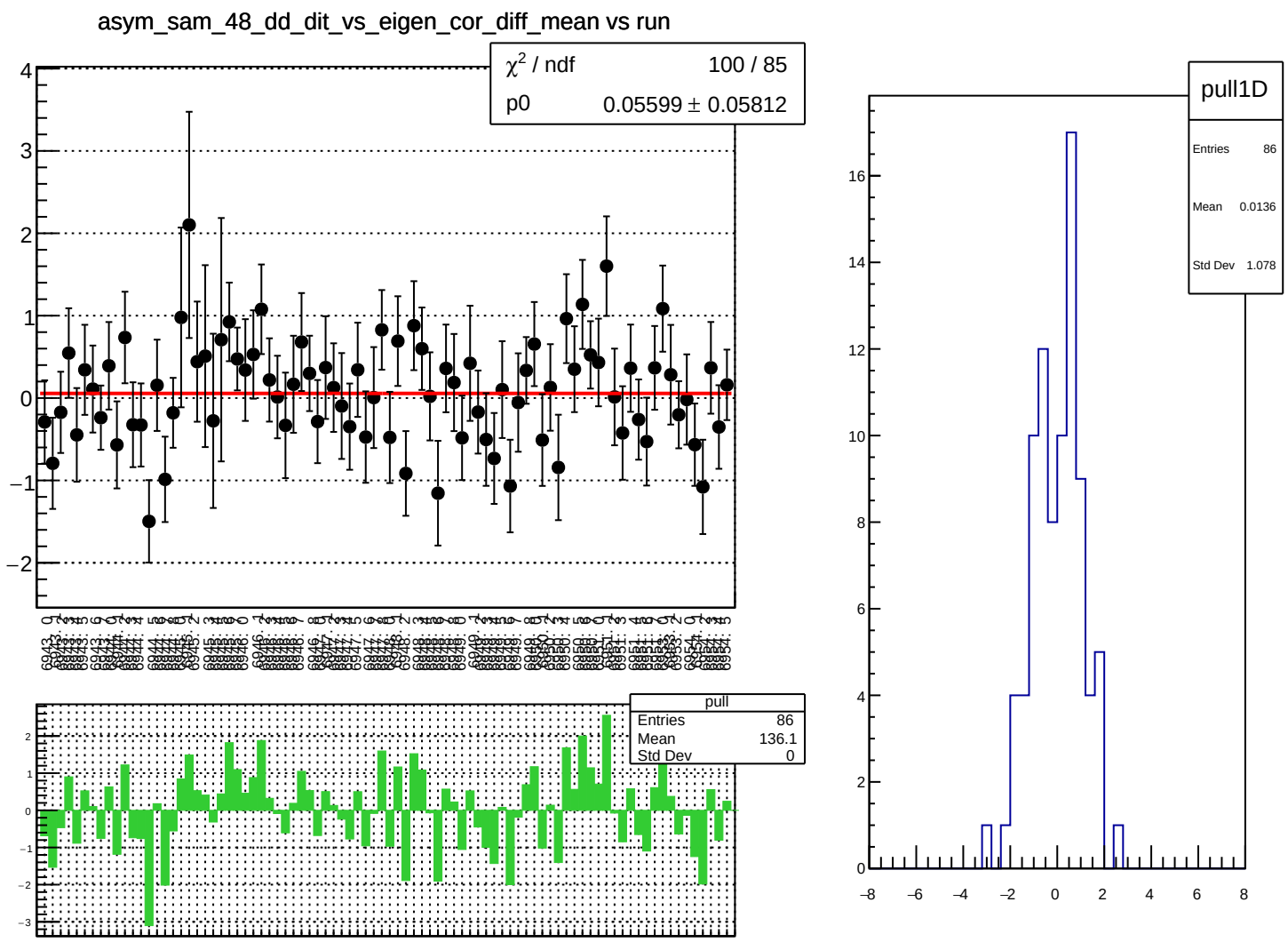

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.89 / 85
p0 −2.2e−14 ± 5.059e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 86
Mean 66.12
Std Dev 24.71
2
1
0
−1
−2
−3

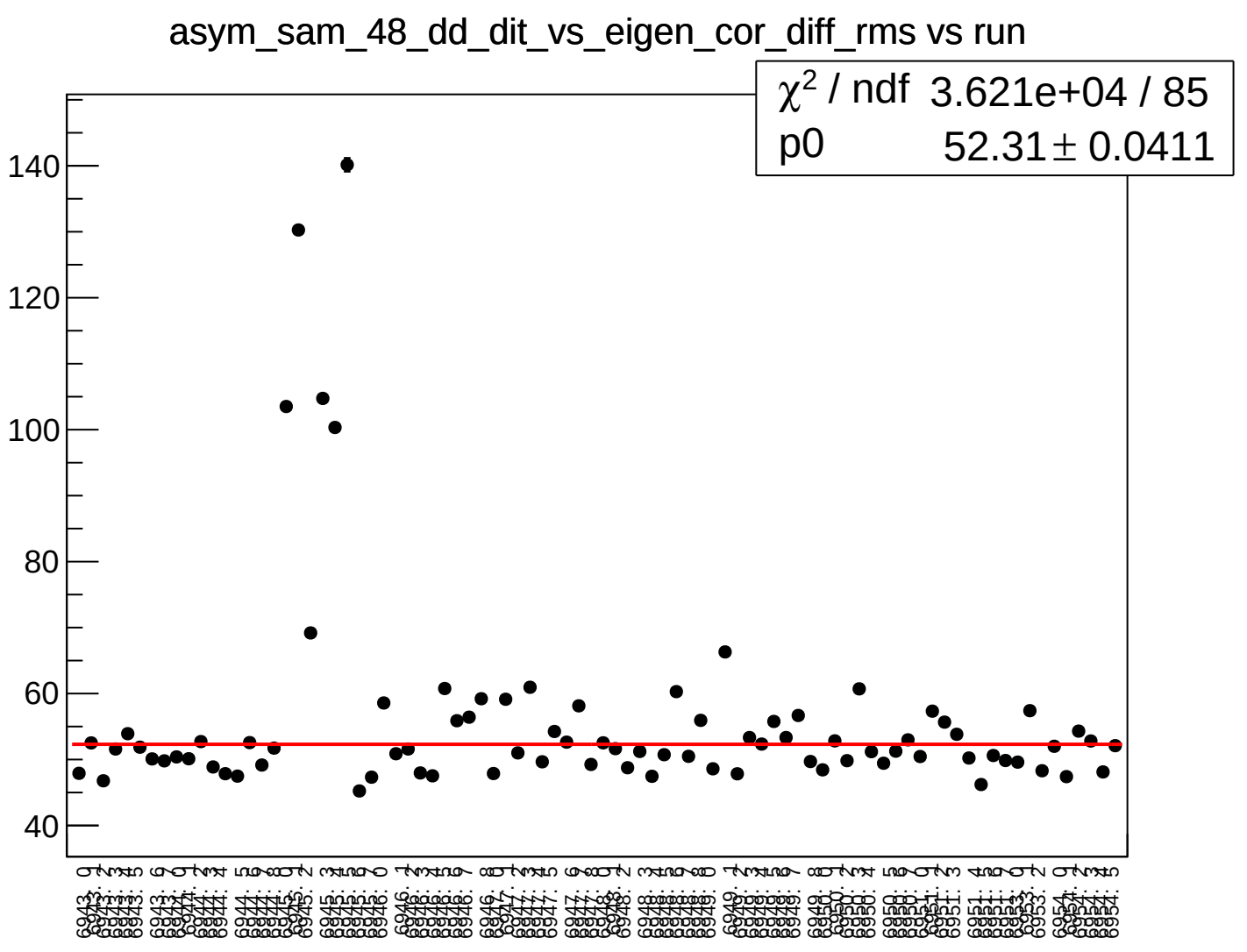

pull1D
Entries 86
Mean 0.08853
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

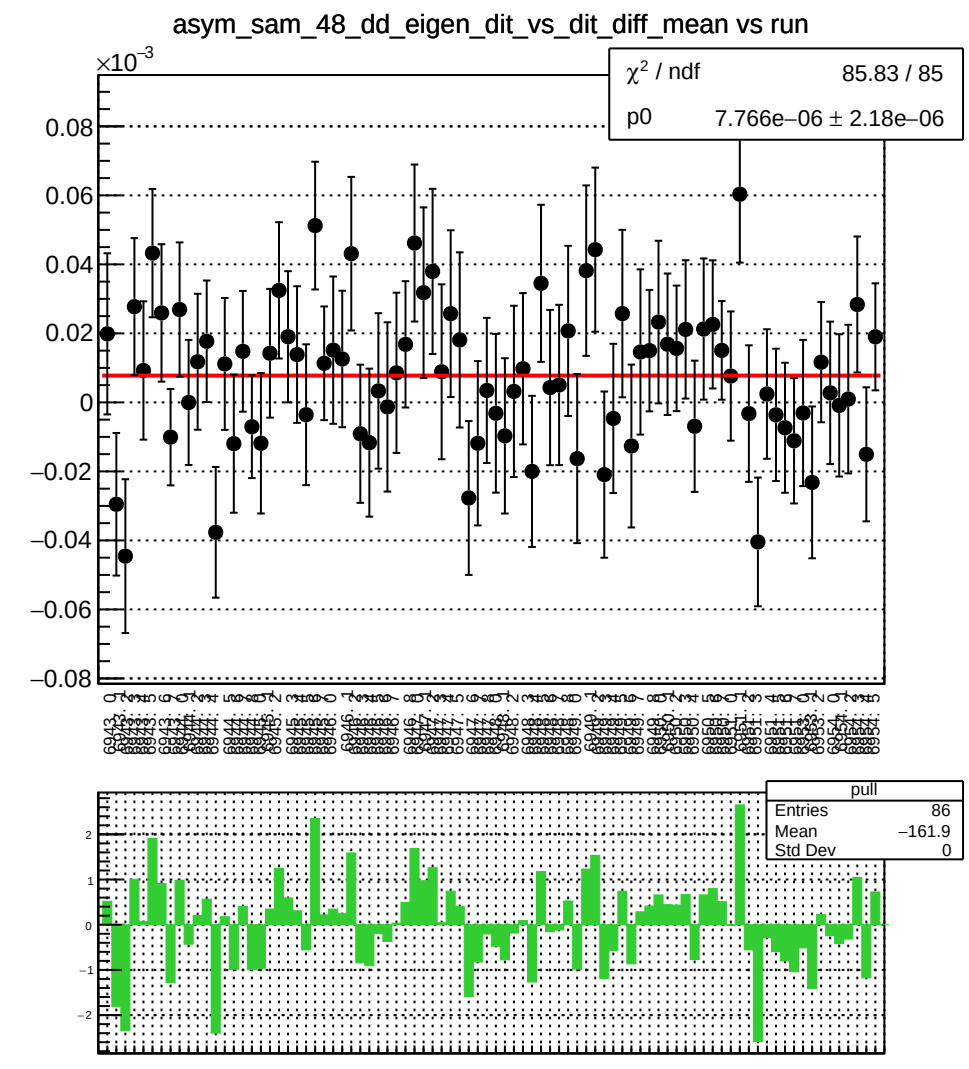

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.061e+06 / 85
p0 2.76e−11 ± 3.577e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

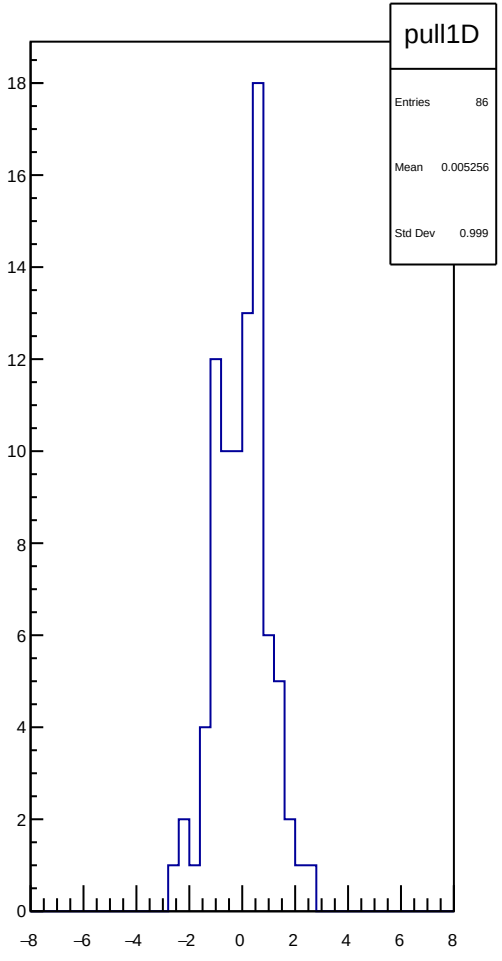

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 100 / 85
p0 0.05599 ± 0.05812
pull
Entries 86
Mean 136.1
Std Dev 0
pull1D
Entries 86
Mean 0.0136
Std Dev 1.078

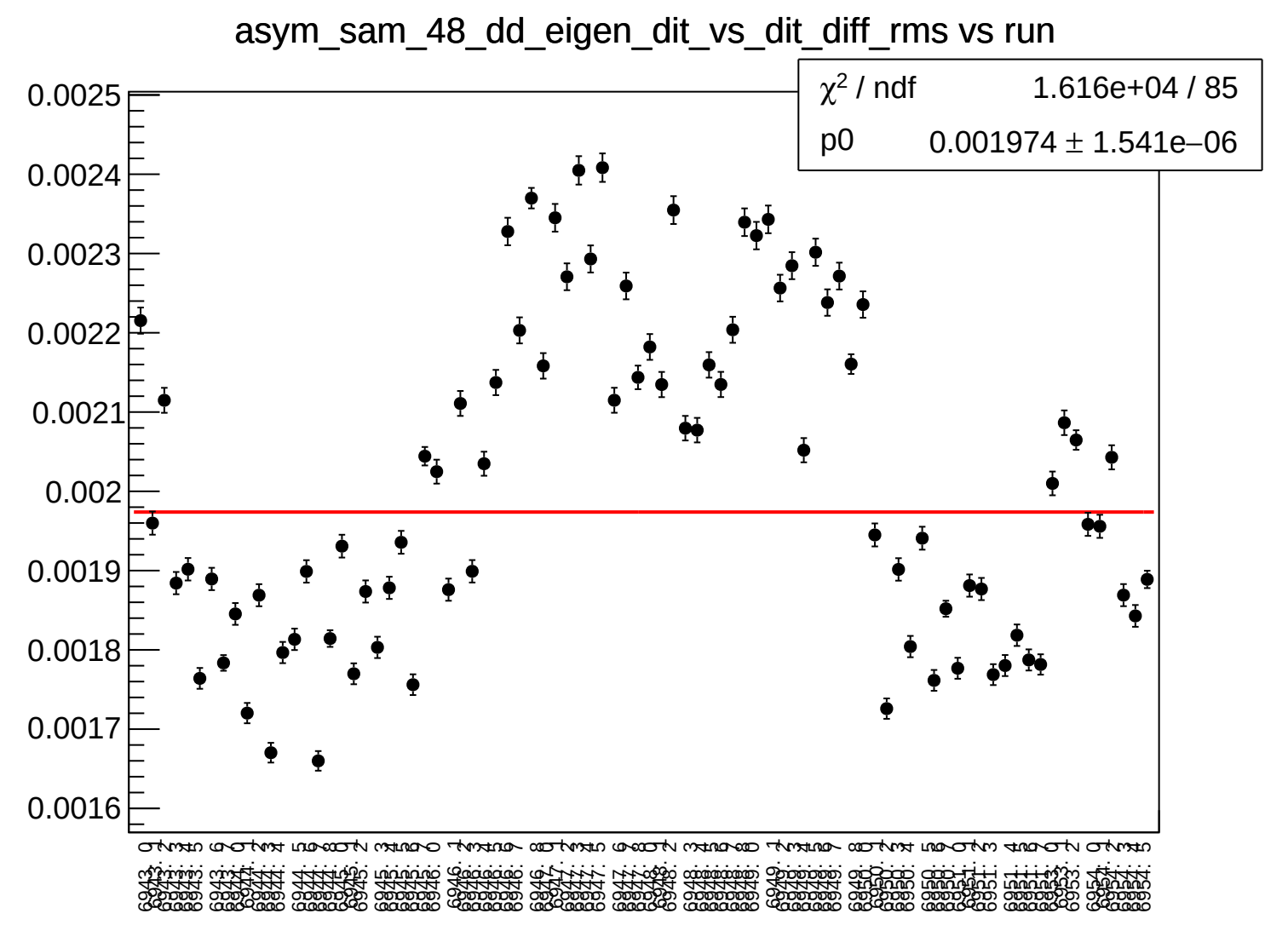

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.621e+04 / 85
p0 52.31 ± 0.0411
140
120
100
80
60
40

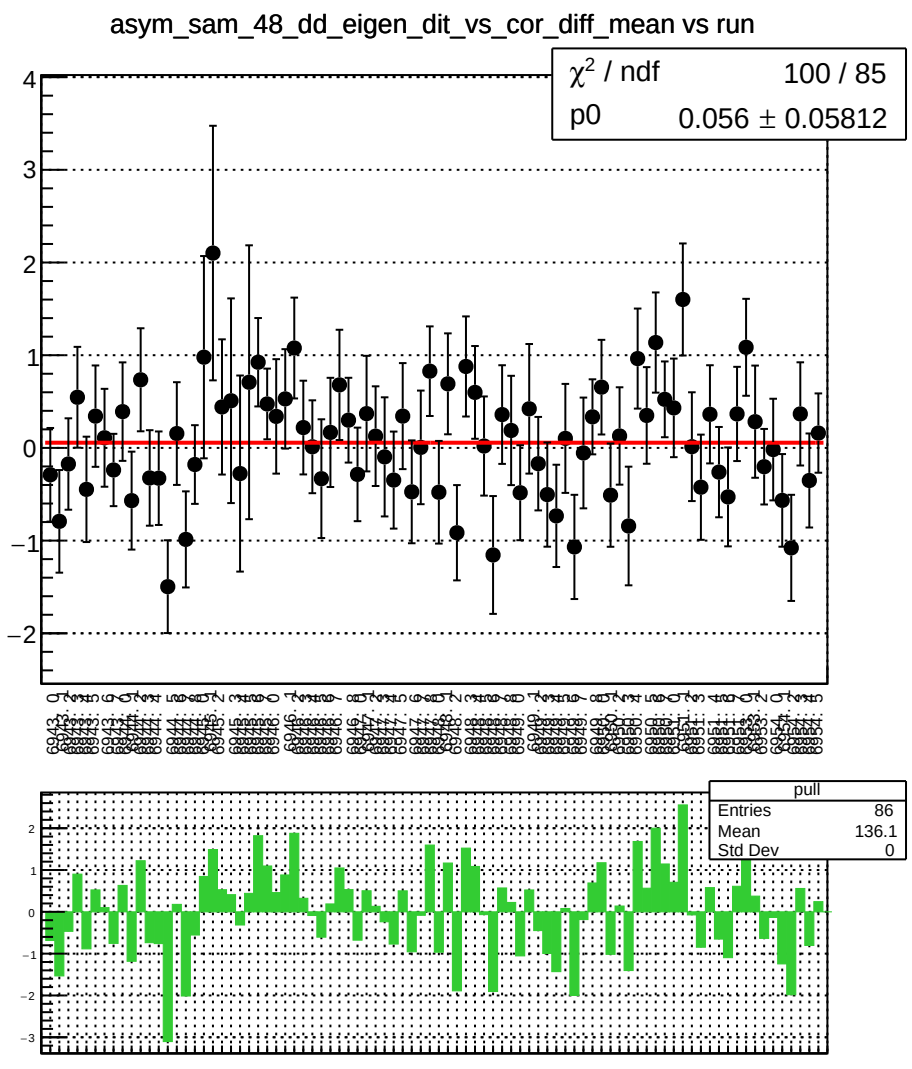

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100 / 85
p0 0.05599 ± 0.05812
pull
Entries 86
Mean 136.1
Std Dev 0
pull1D
Entries 86
Mean 0.0136
Std Dev 1.078

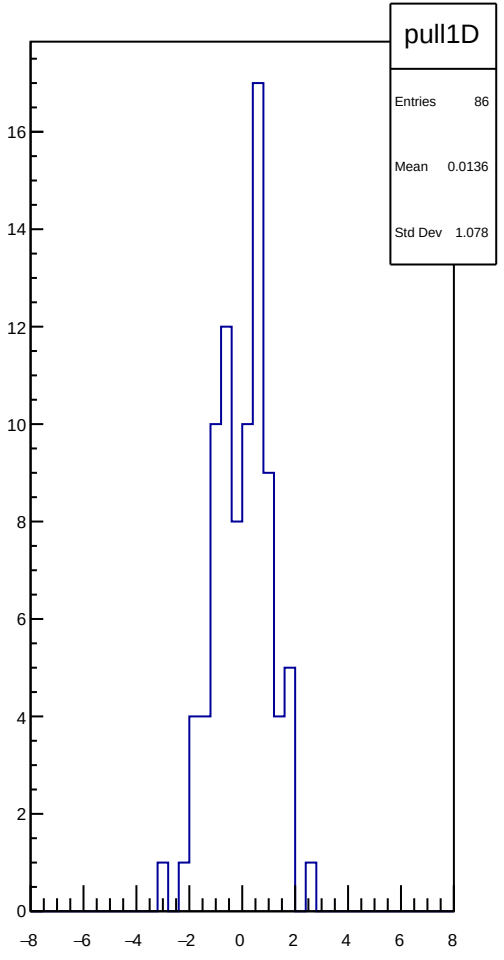

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.621e+04 / 85
p0 52.31 ± 0.0411
140
120
100
80
60
40

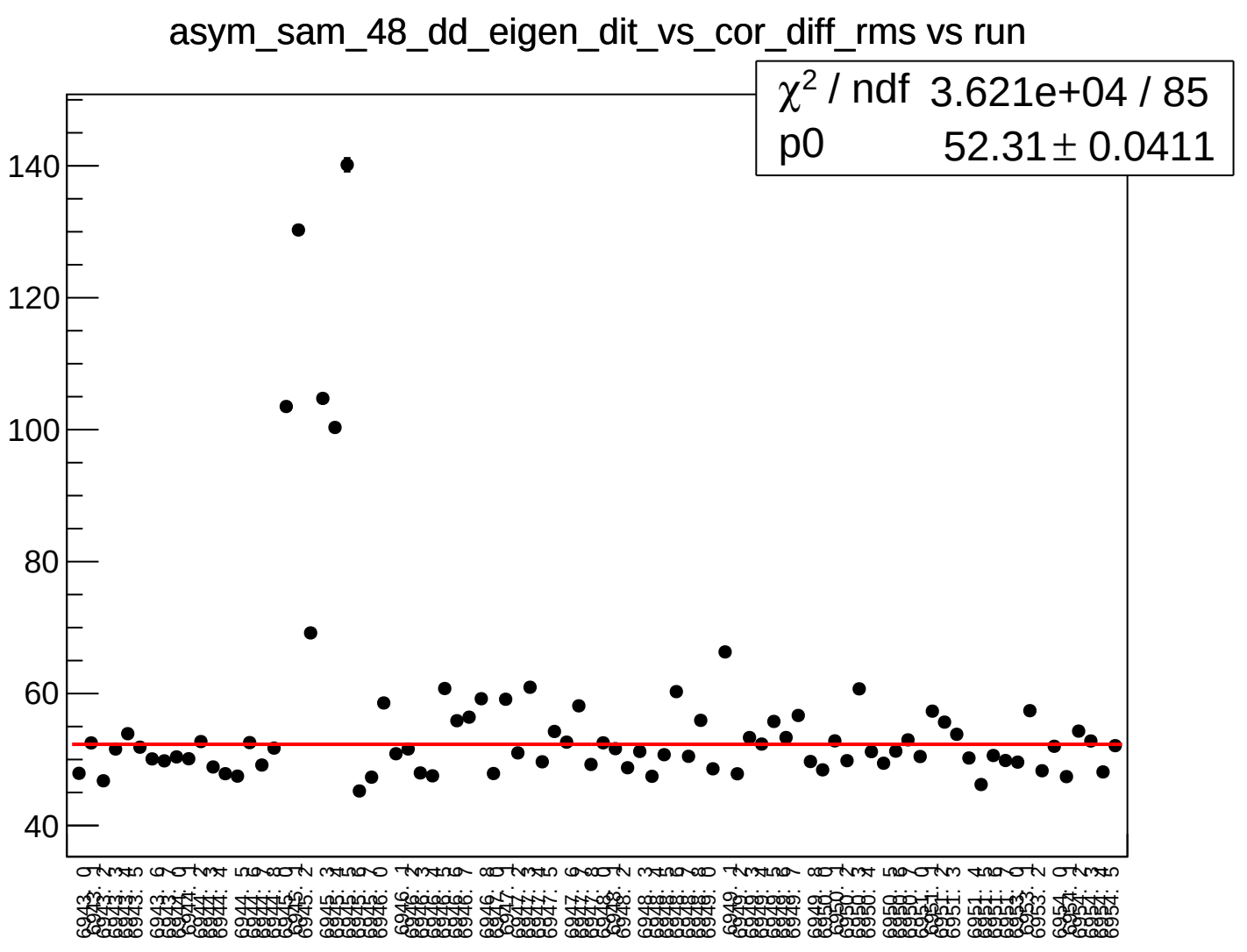

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.83 / 85
p0 7.766e−06 ± 2.18e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 86
Mean −161.9
Std Dev 0
2
1
0
−1
−2

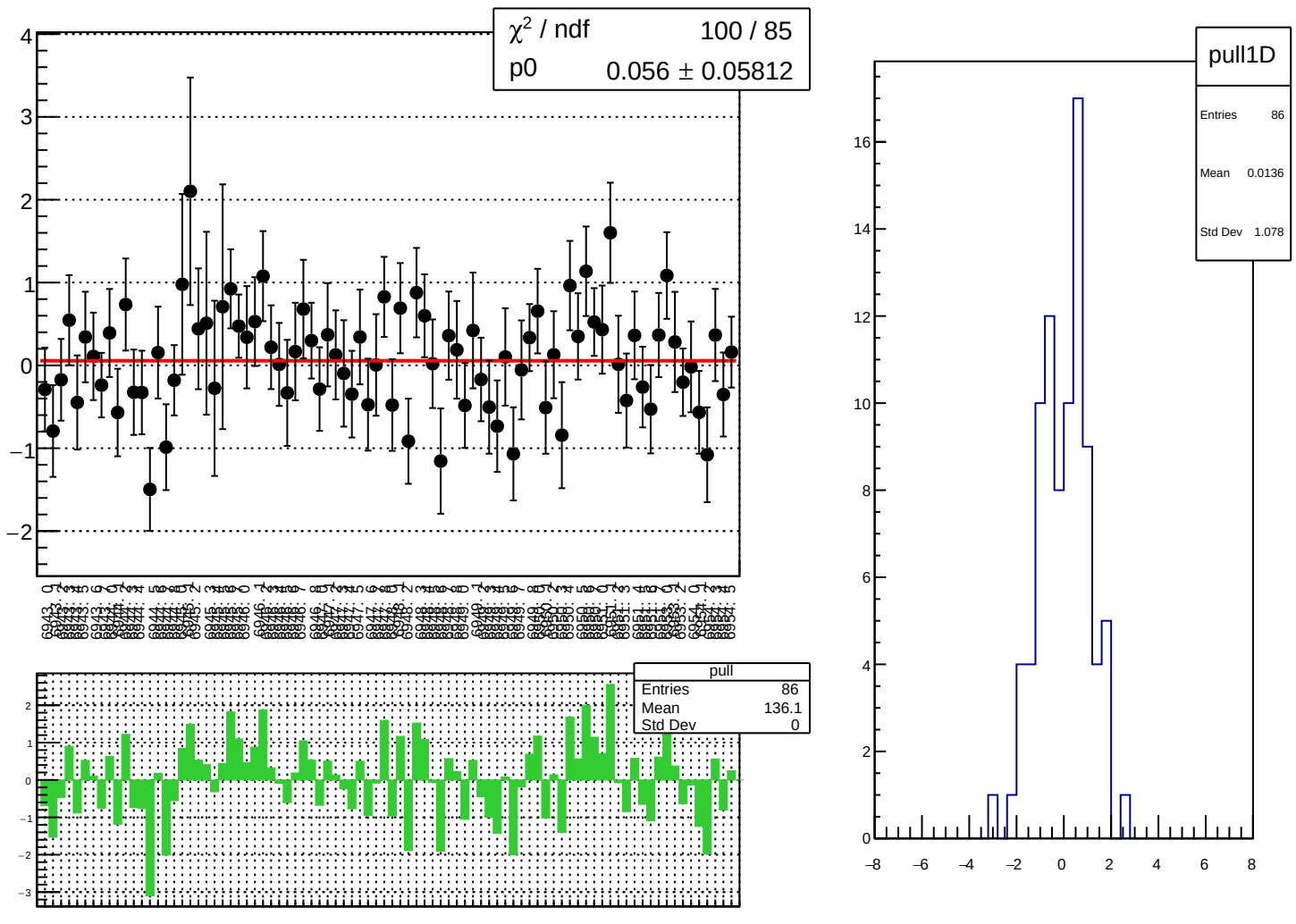

pull1D
Entries 86
Mean 0.005256
Std Dev 0.999
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

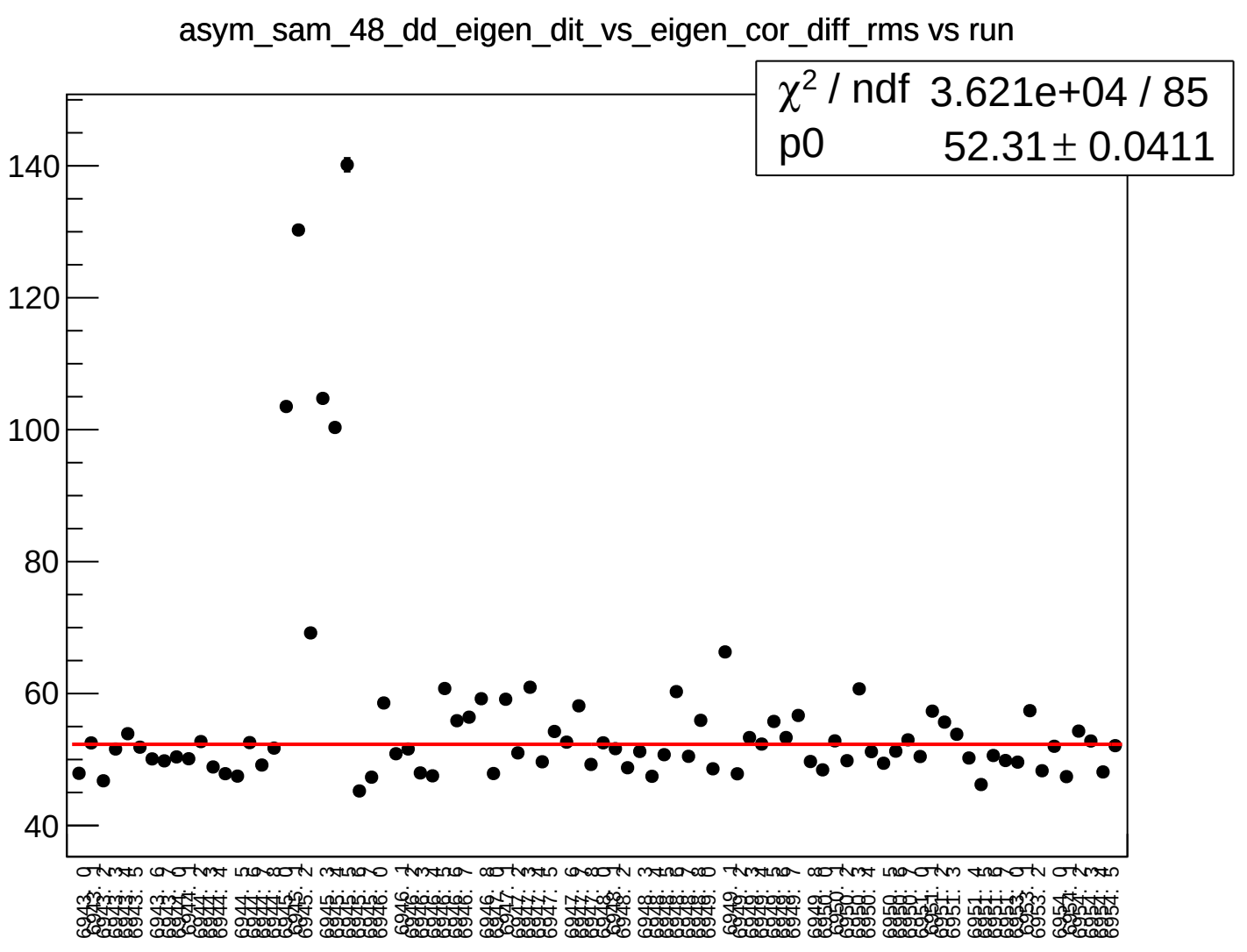

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.616e+04 / 85
p0 0.001974 ± 1.541e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

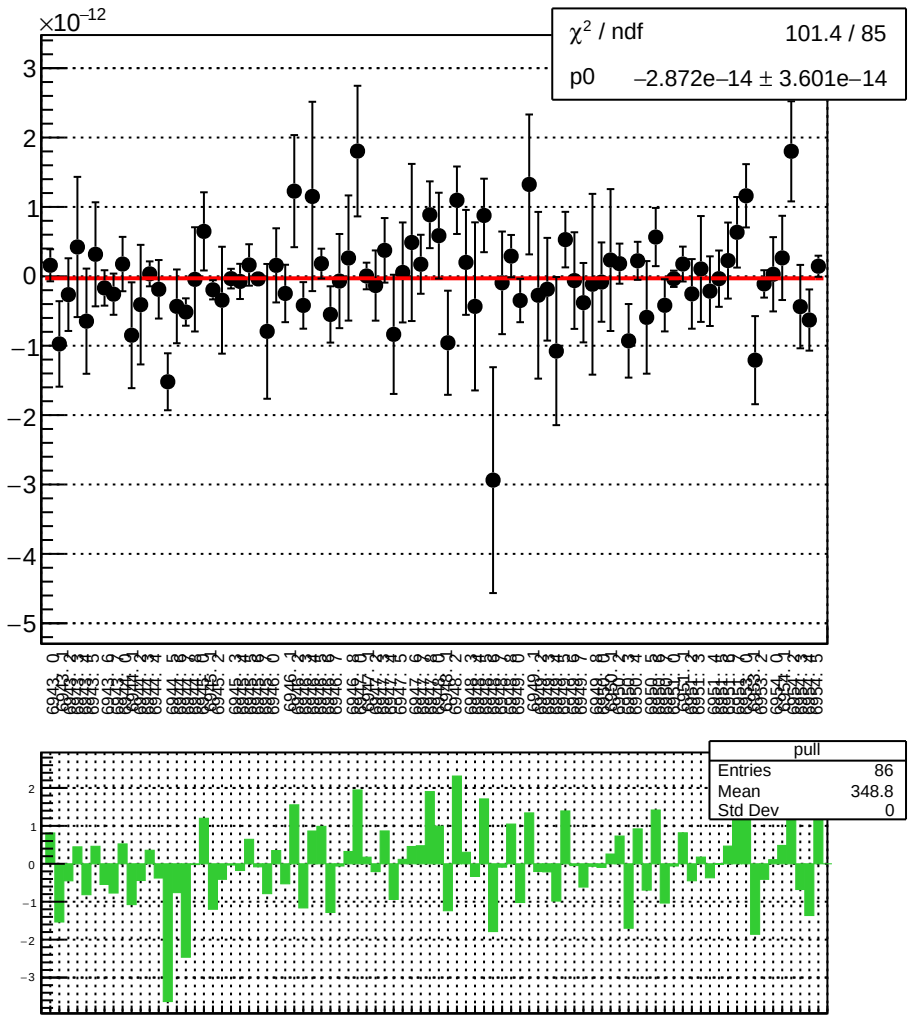

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100 / 85
p0 0.056 ± 0.05812
pull
Entries 86
Mean 136.1
Std Dev 0

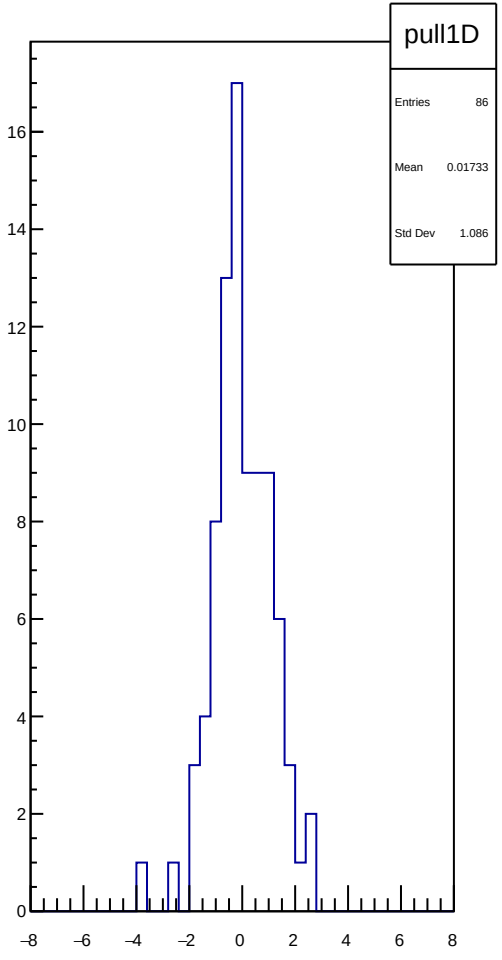

pull1D
Entries 86
Mean 0.0136
Std Dev 1.078

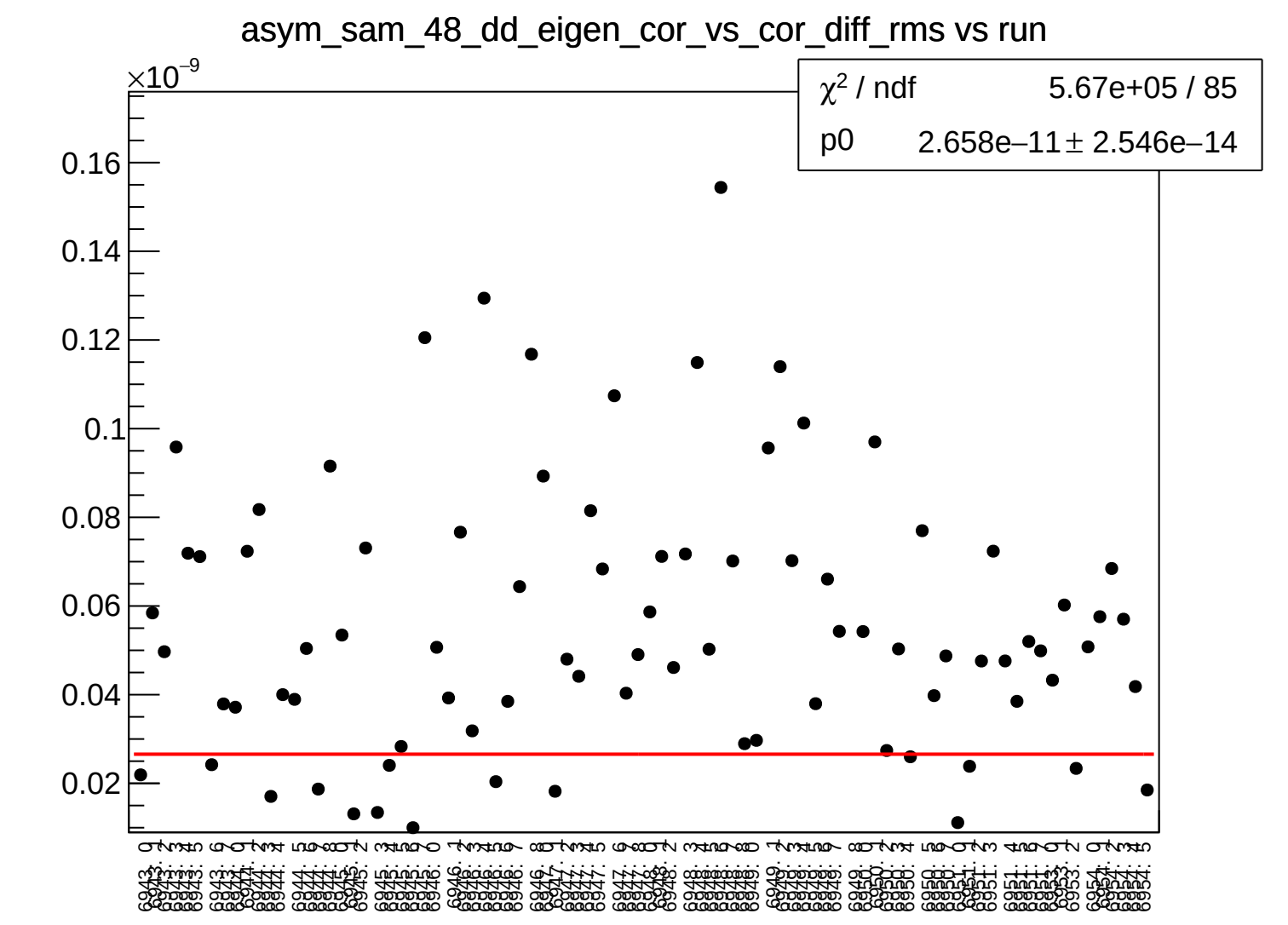

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.621e+04 / 85
p0 52.31 ± 0.0411
140
120
100
80
60
40

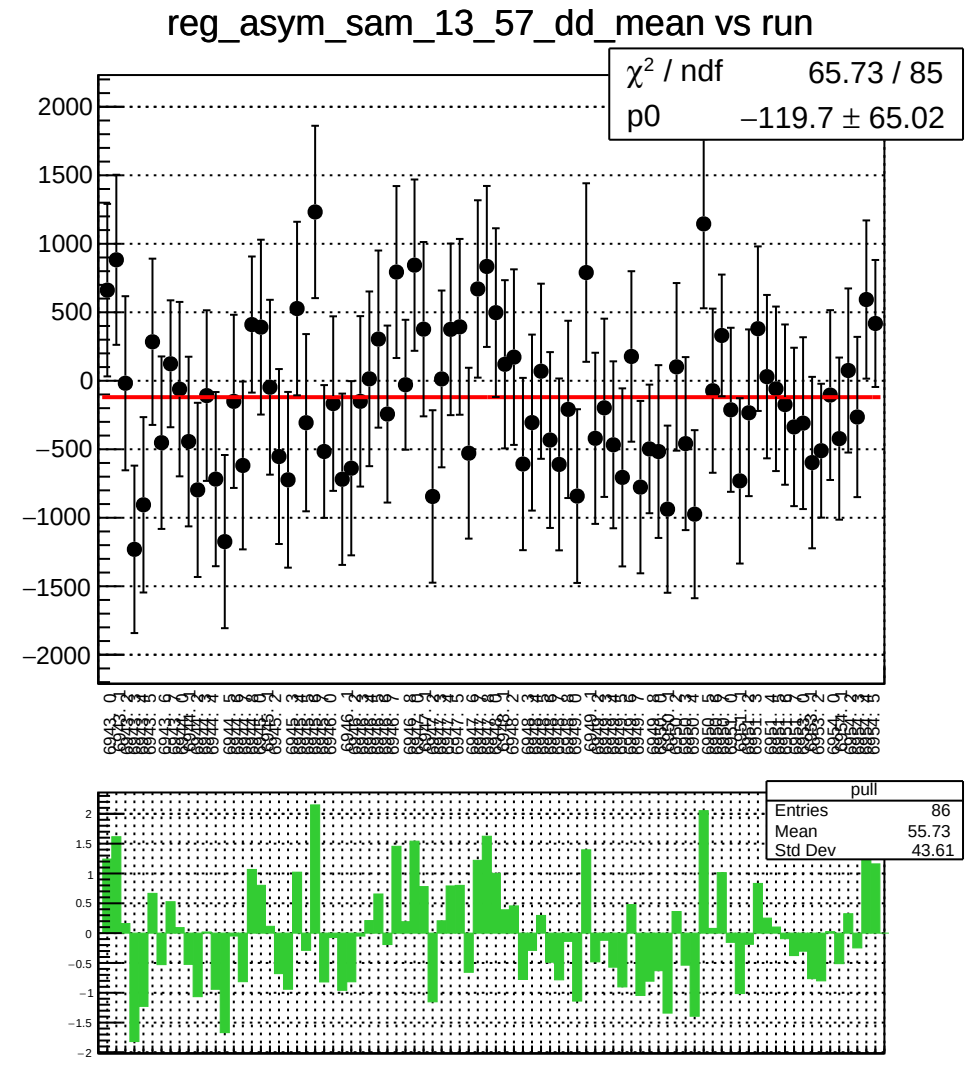

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100 / 85
p0 0.056 ± 0.05812
pull
Entries 86
Mean 136.1
Std Dev 0
pull1D
Entries 86
Mean 0.0136
Std Dev 1.078

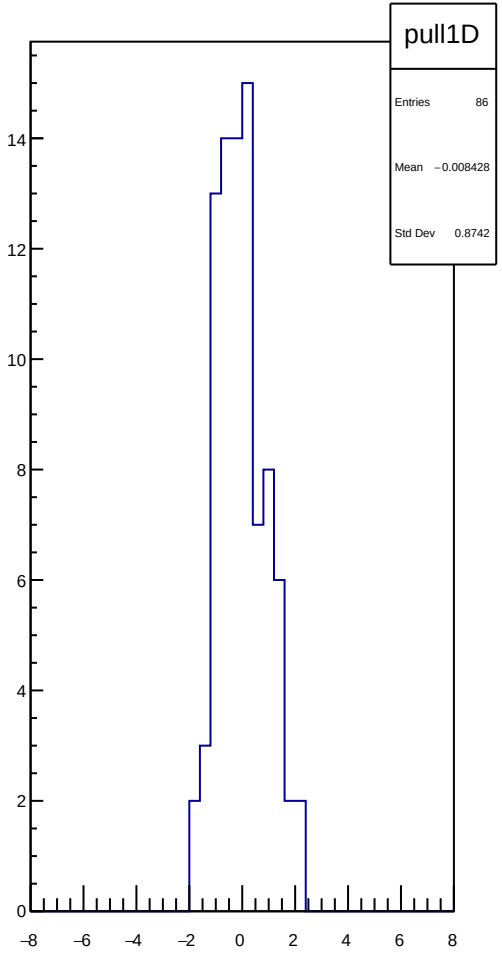

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.621e+04 / 85
p0 52.31 ± 0.0411
140
120
100
80
60
40

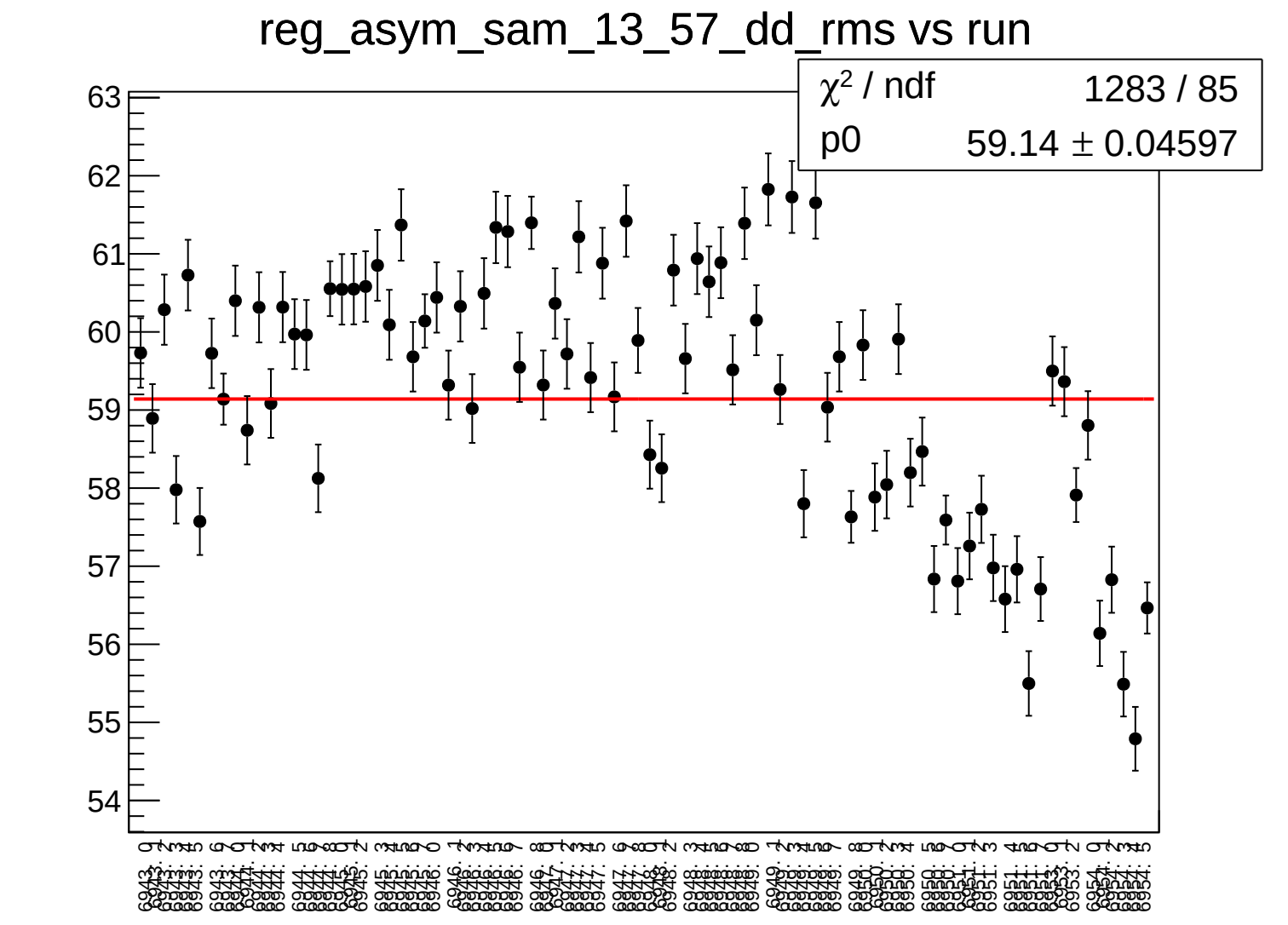

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.4 / 85
p0 −2.872e−14 ± 3.601e−14
pull
Entries 86
Mean 348.8
Std Dev 0

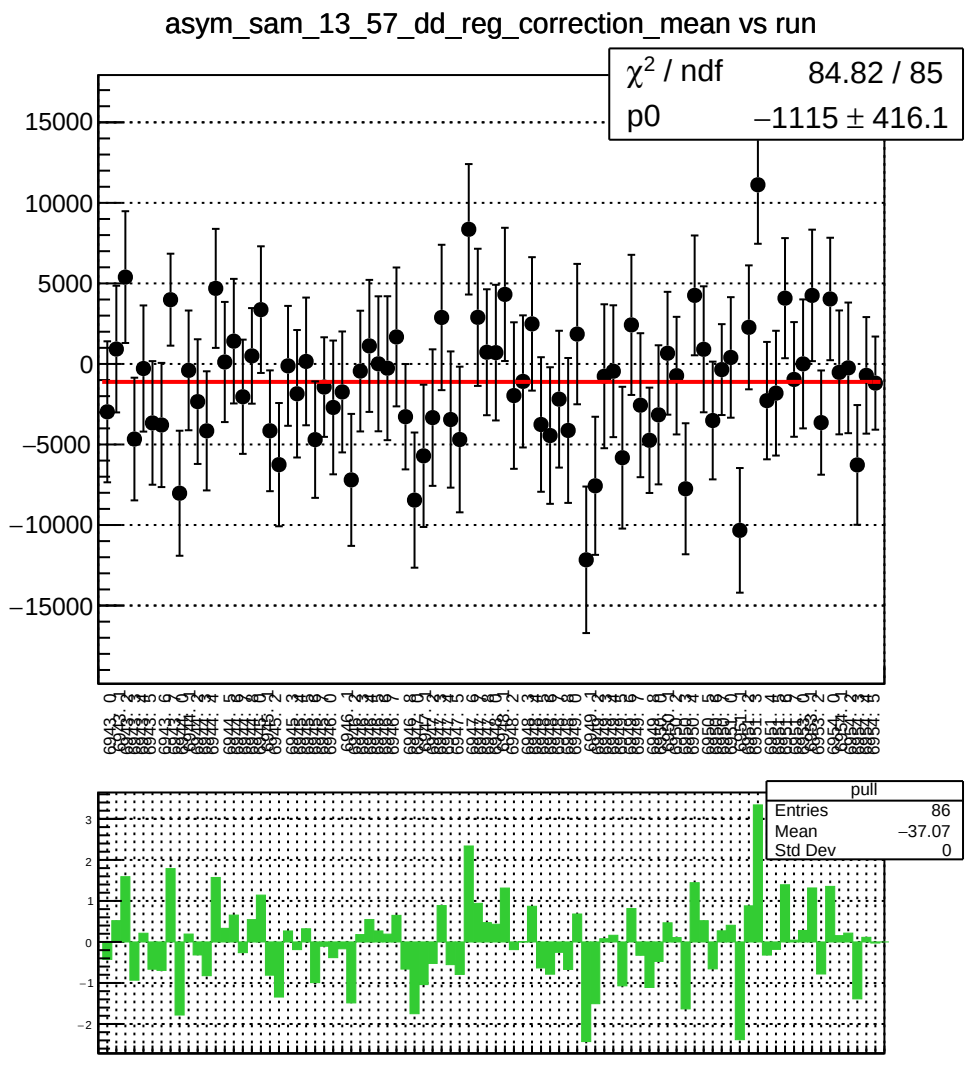

pull1D
Entries 86
Mean 0.01733
Std Dev 1.086

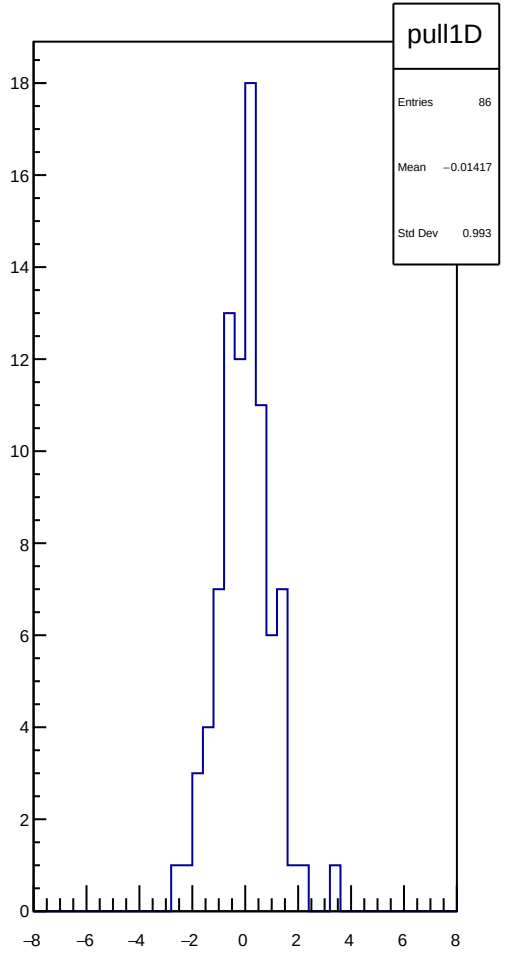

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.67e+05 / 85
p0 2.658e−11 ± 2.546e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

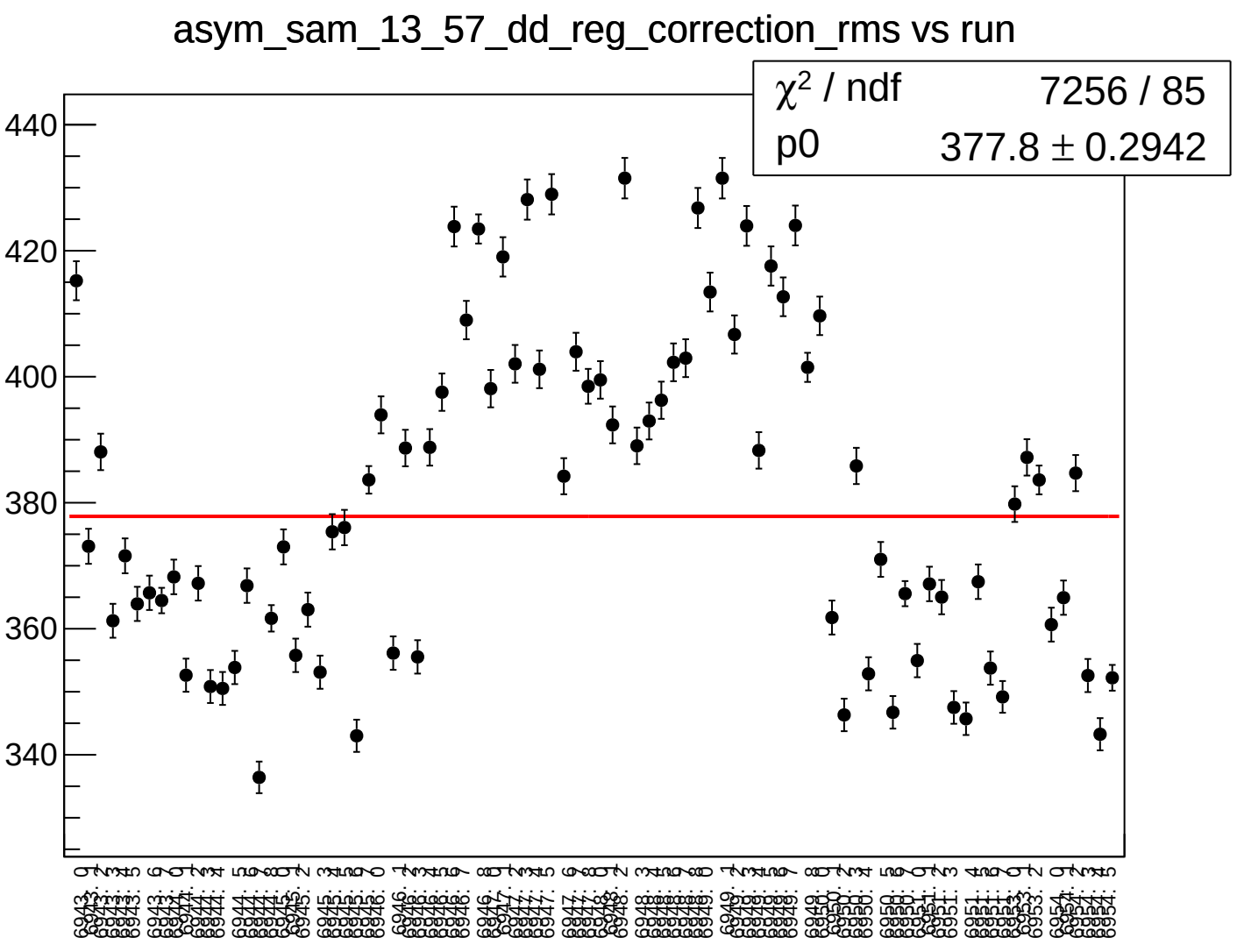

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.73 / 85
p0 −119.7 ± 65.02
pull
Entries 86
Mean 55.73
Std Dev 43.61

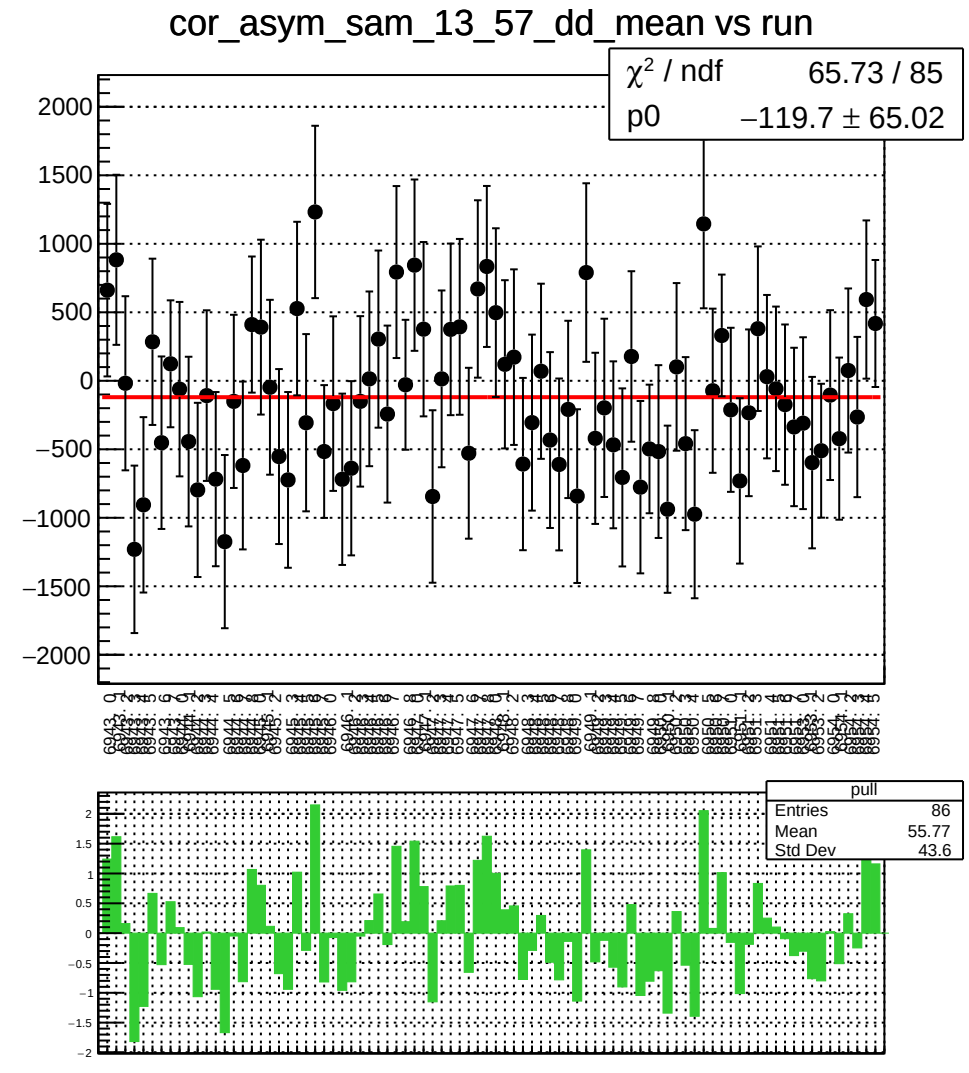

pull1D
Entries 86
Mean −0.008428
Std Dev 0.8742

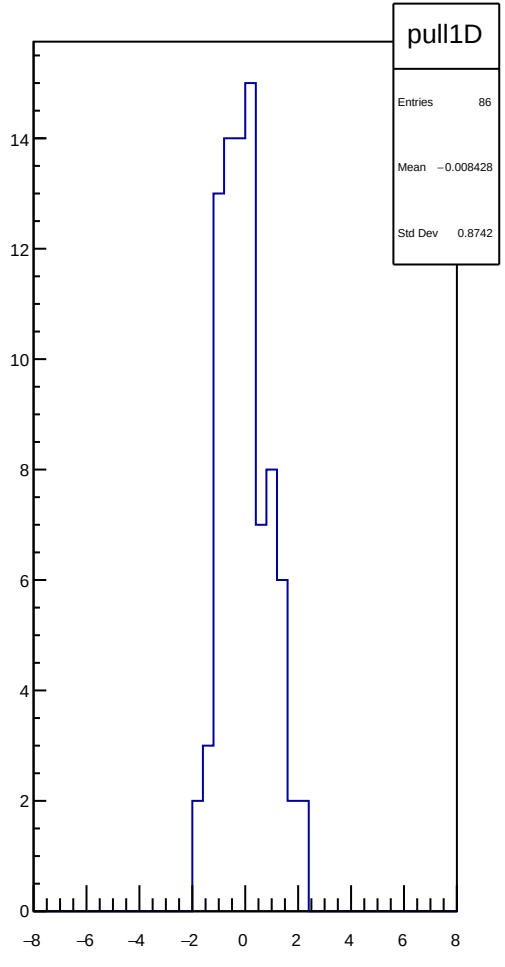

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1283 / 85
p0 59.14 ± 0.04597
63
62
61
60
59
58
57
56
55
54

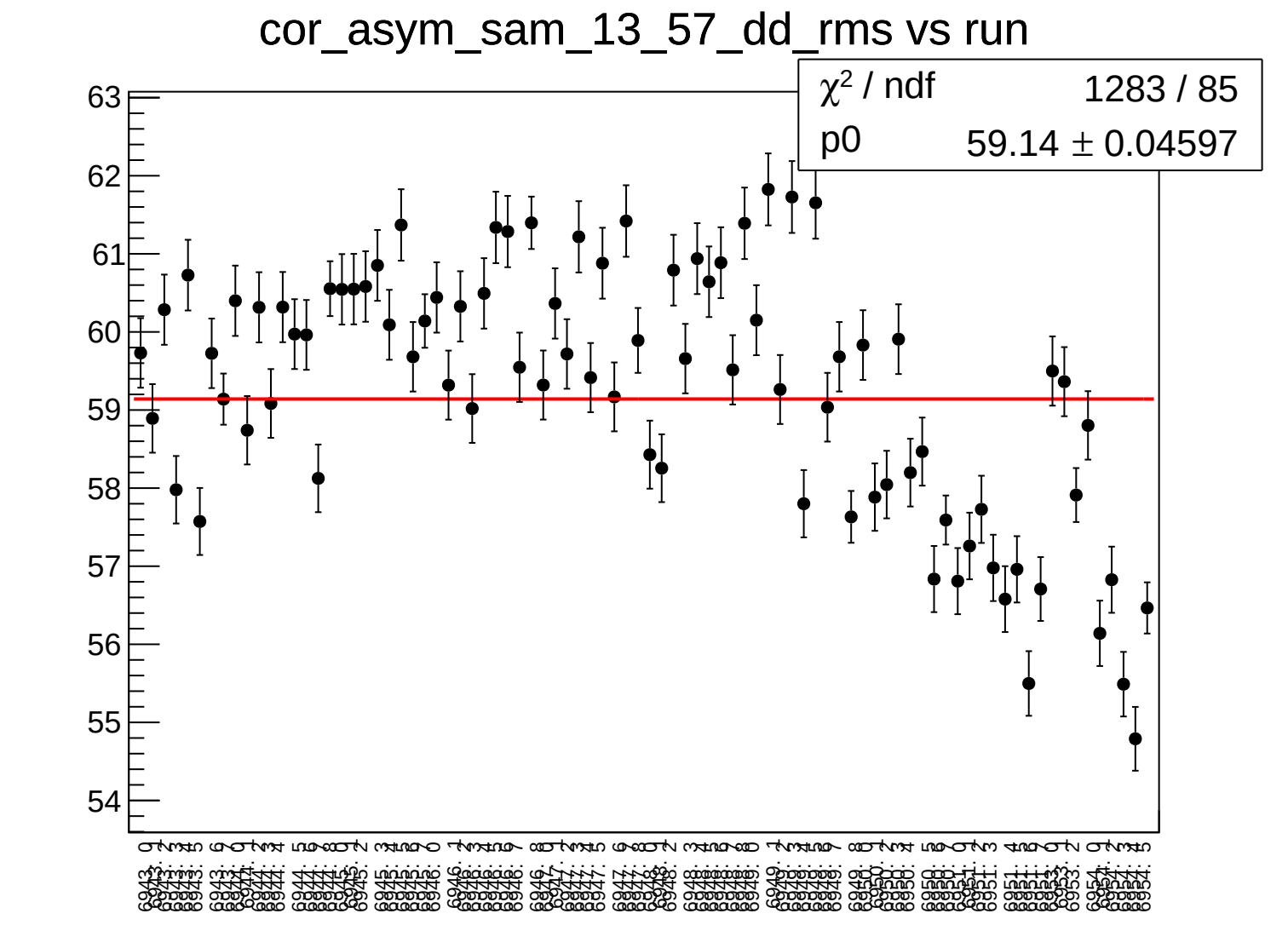

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 84.82 / 85
p0 −1115 ± 416.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −37.07
Std Dev 0
3
2
1
0
−1
−2

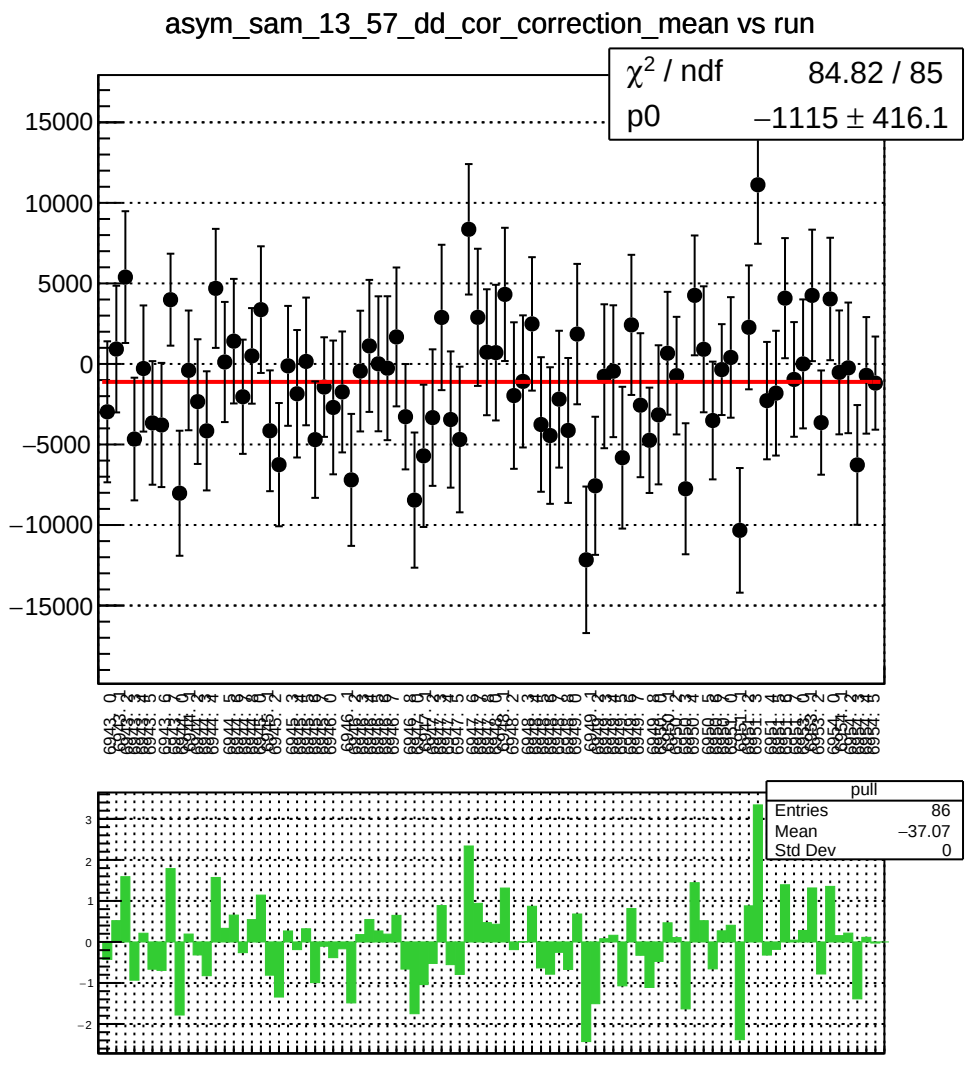

pull1D
Entries 86
Mean −0.01417
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

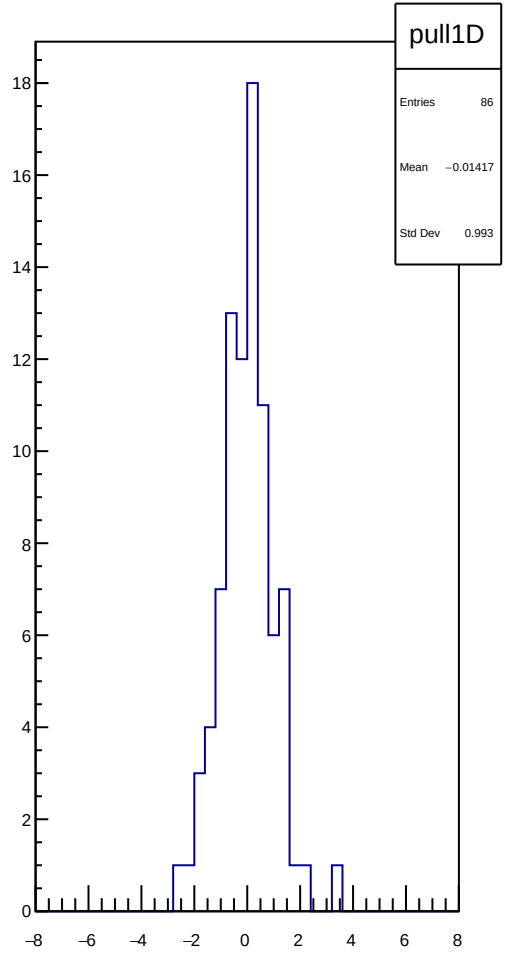

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 7256 / 85
p0 377.8 ± 0.2942
440
420
400
380
360
340

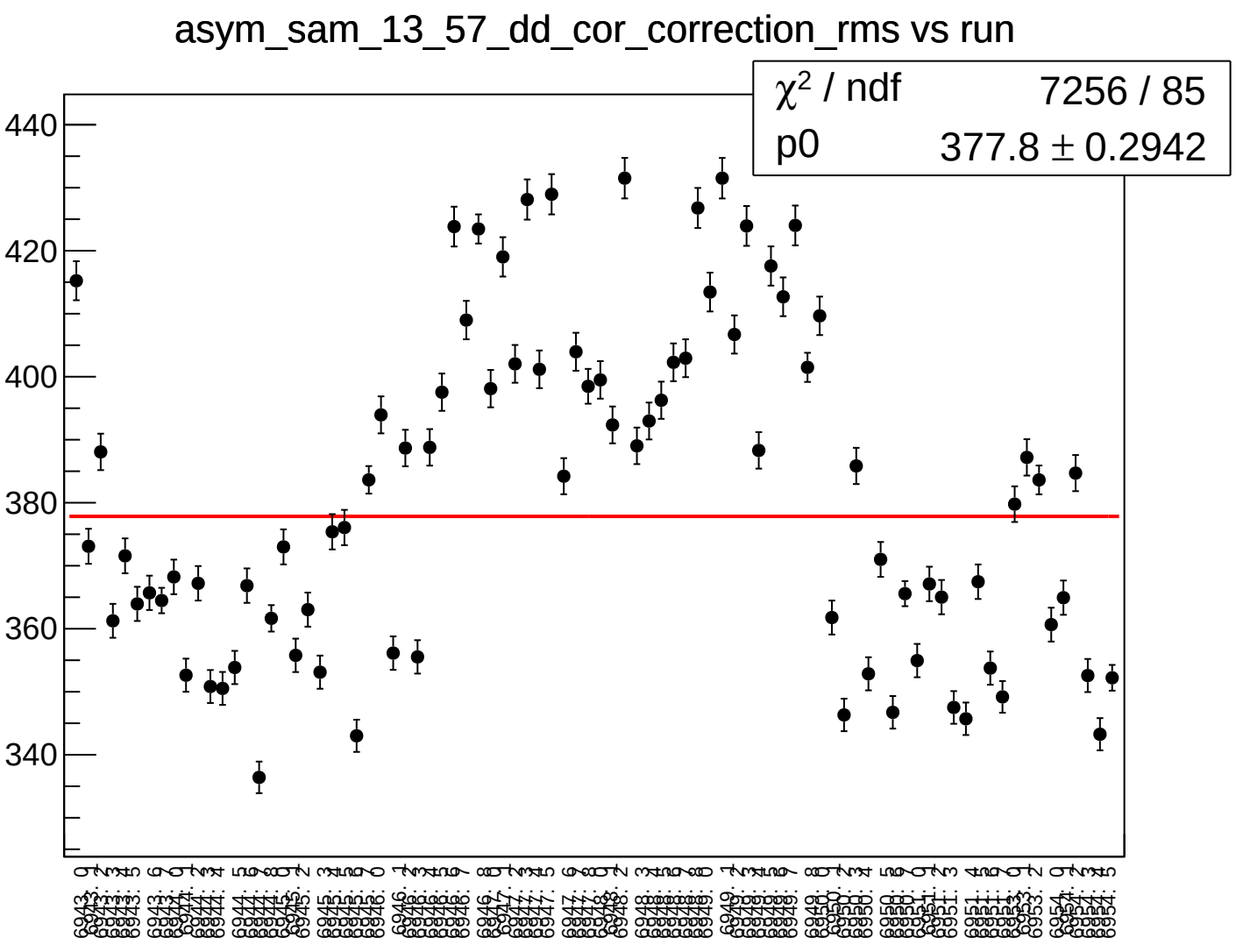

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.73 / 85
p0 −119.7 ± 65.02
pull
Entries 86
Mean 55.77
Std Dev 43.6

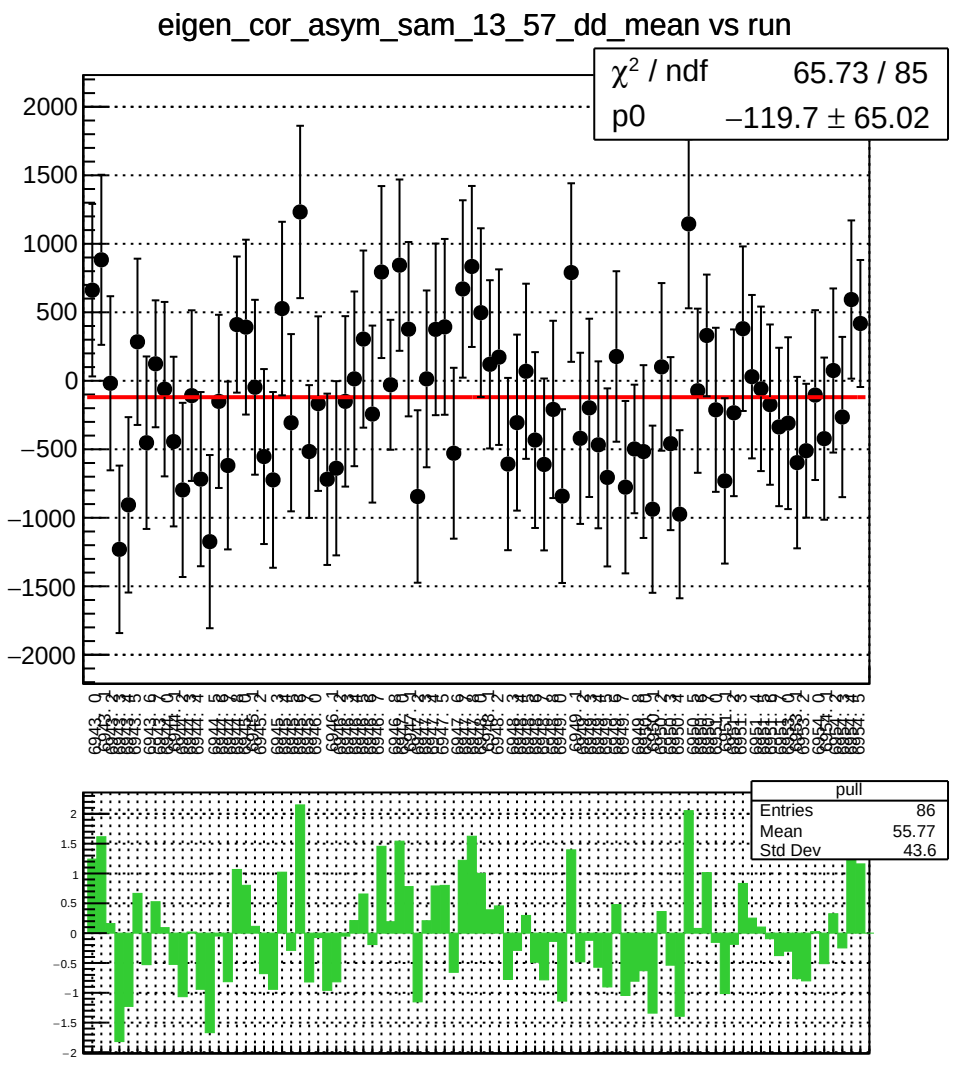

pull1D
Entries 86
Mean −0.008428
Std Dev 0.8742

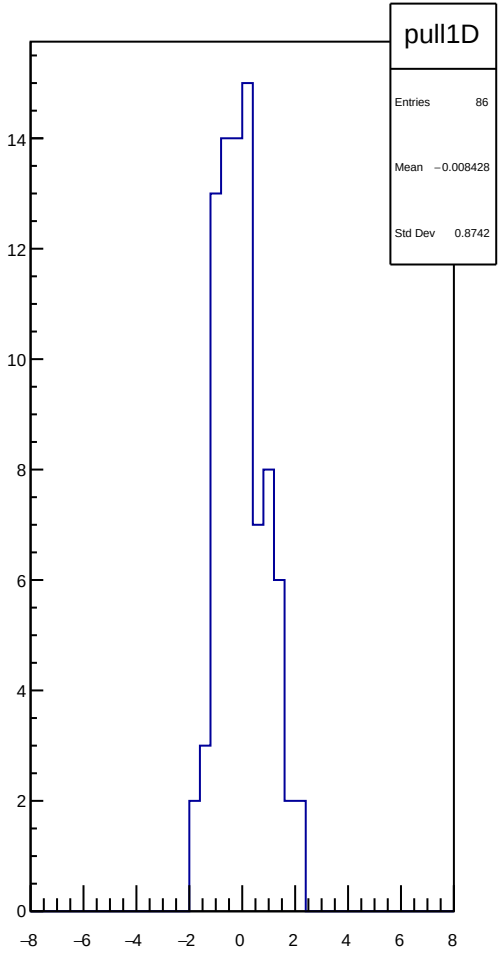

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1283 / 85
p0 59.14 ± 0.04597
63
62
61
60
59
58
57
56
55
54

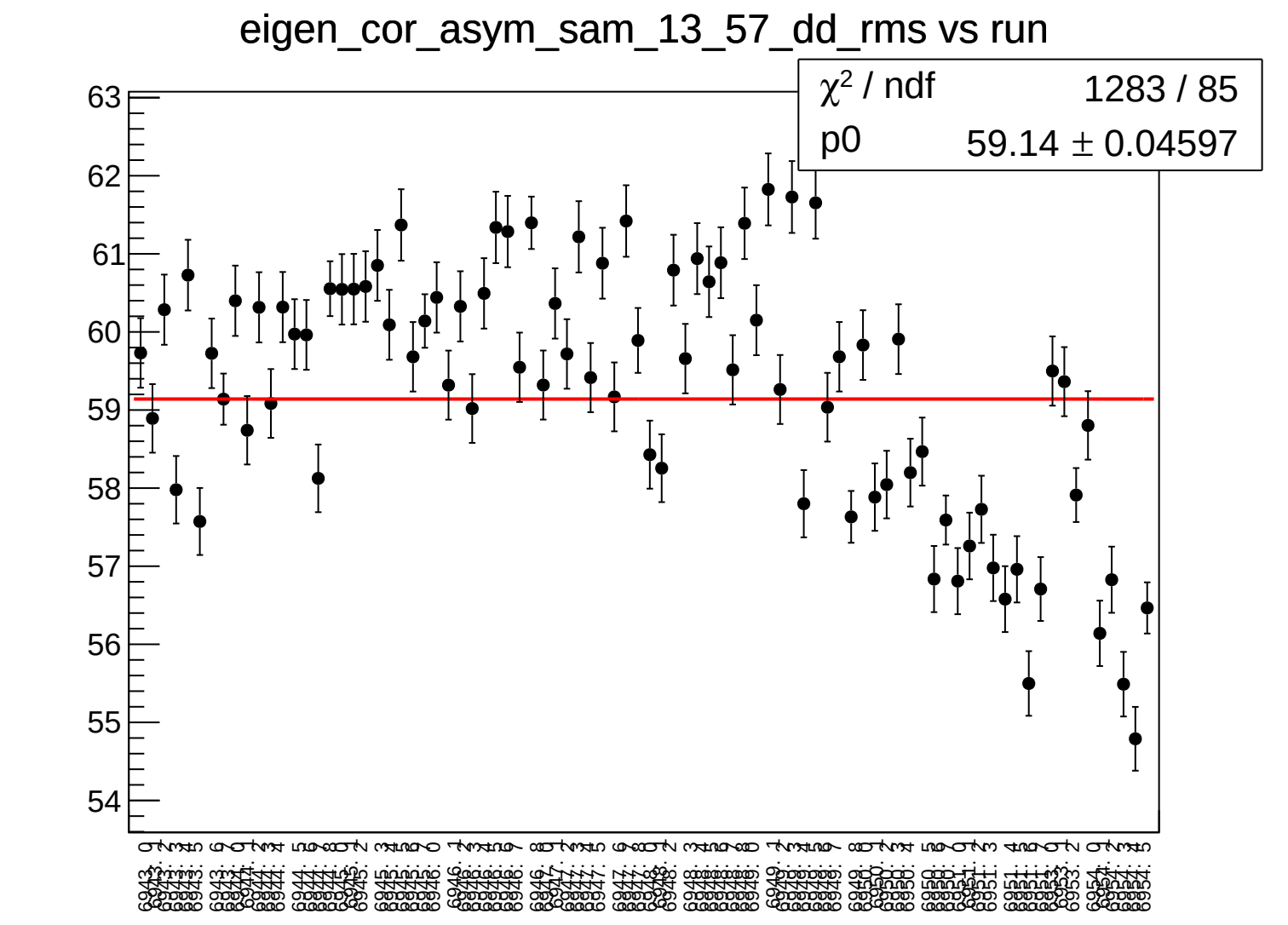

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 84.82 / 85
p0 −1115 ± 416.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −37.07
Std Dev 0
3
2
1
0
−1
−2

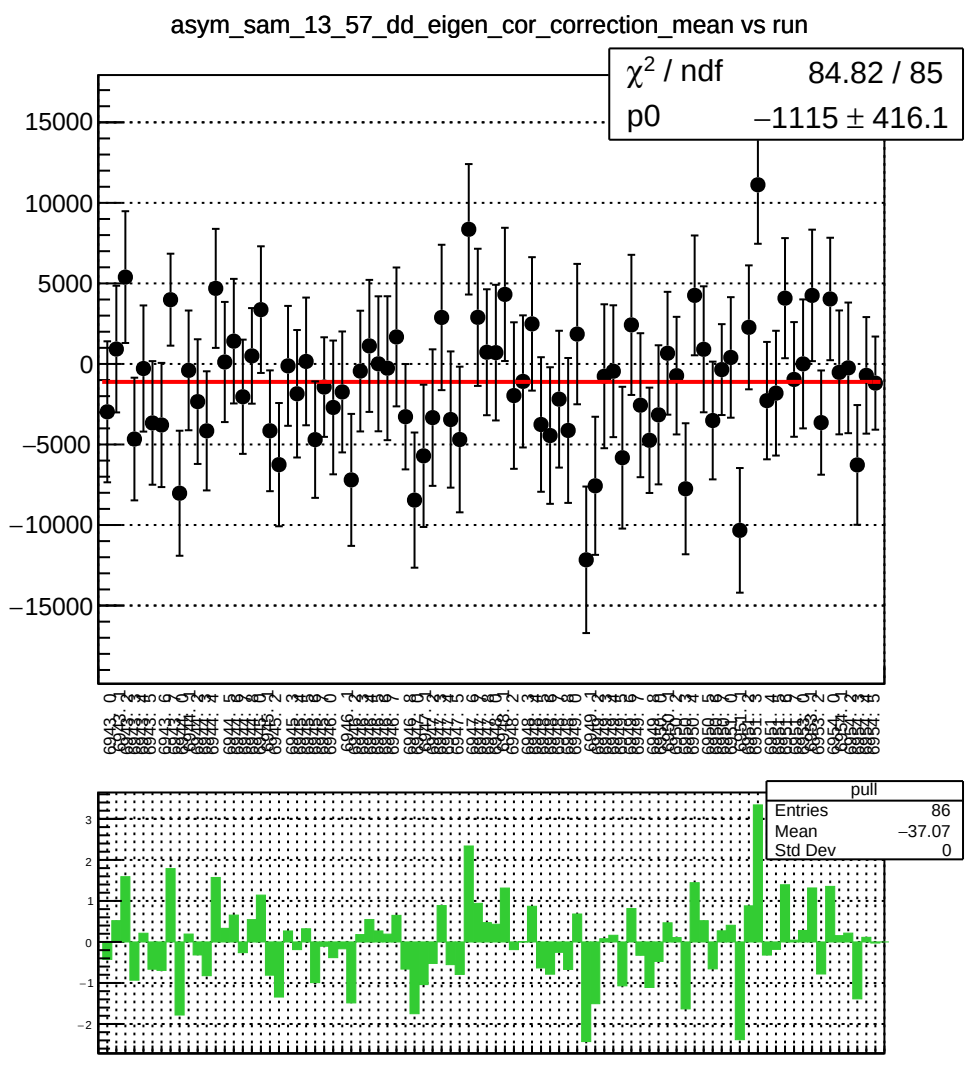

pull1D
Entries 86
Mean −0.01417
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

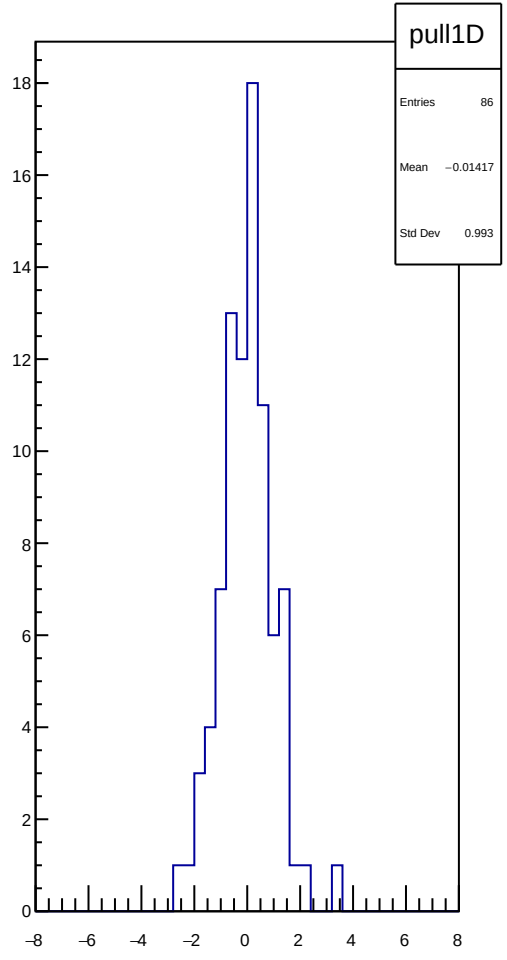

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 7256 / 85
p0 377.8 ± 0.2942
440
420
400
380
360
340


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.73 / 85
p0 −119.7 ± 65.02
pull
Entries 86
Mean 55.77
Std Dev 43.6


pull1D
Entries 86
Mean −0.008428
Std Dev 0.8742


eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1283 / 85
p0 59.14 ± 0.04597
63
62
61
60
59
58
57
56
55
54


asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.82 / 85
p0 −1115 ± 416.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −37.07
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01417
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
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2
4
6
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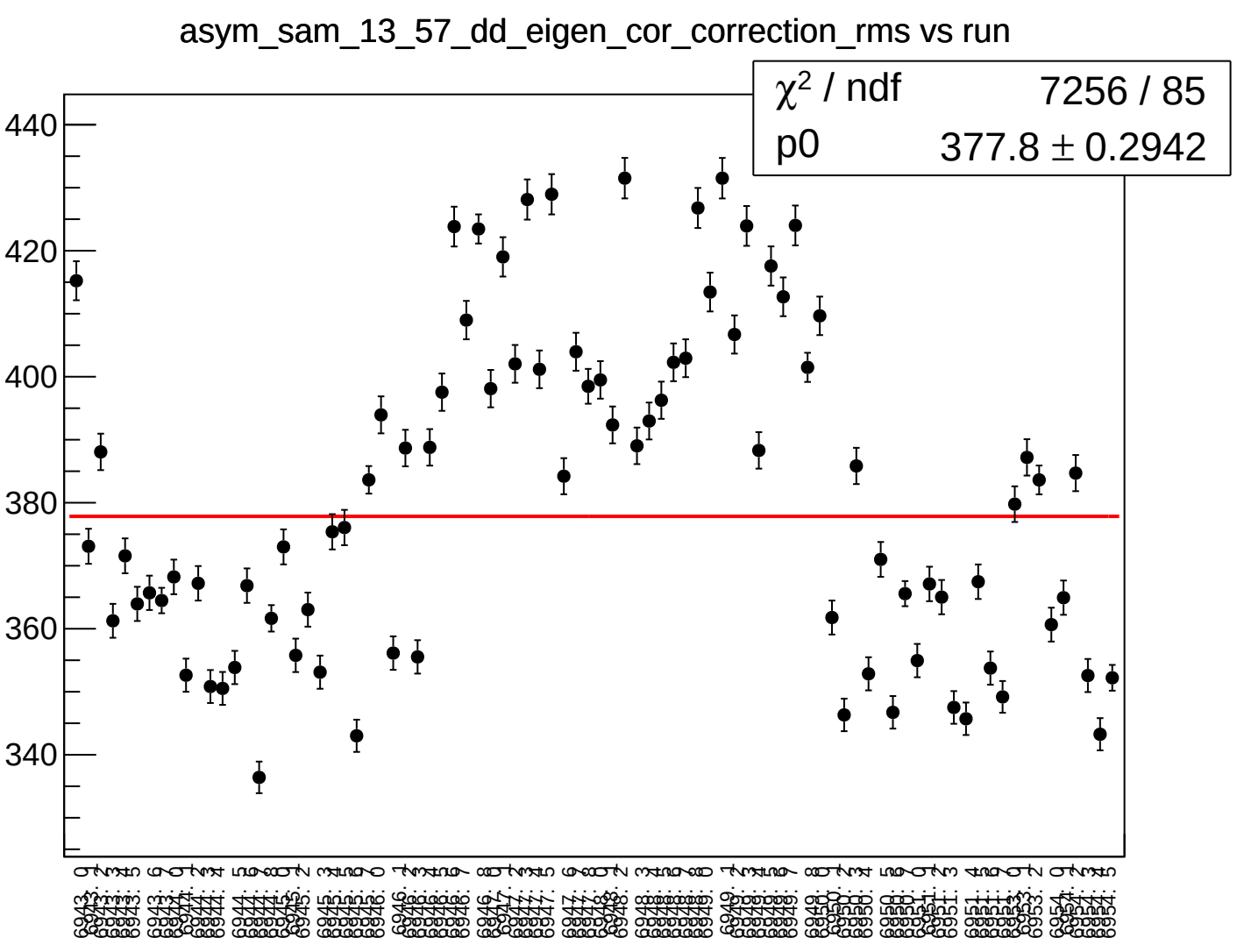
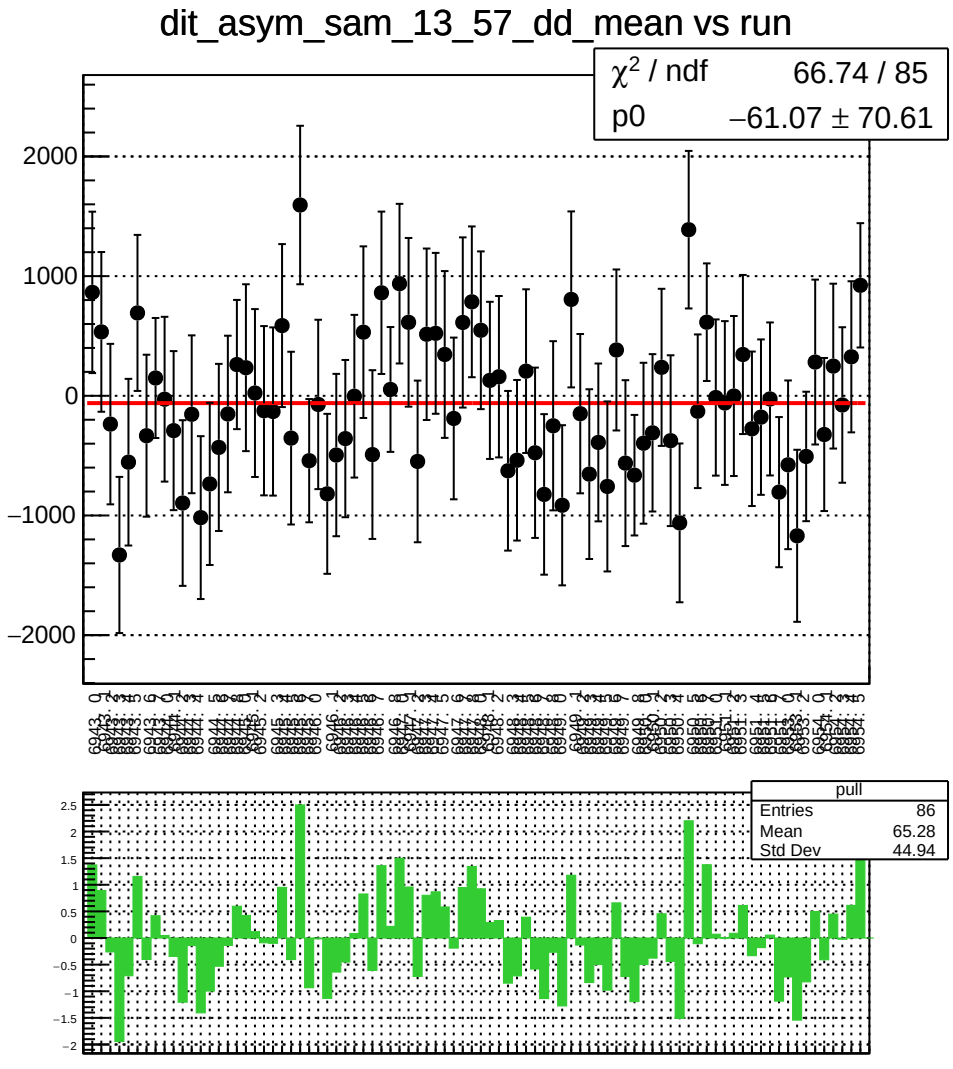
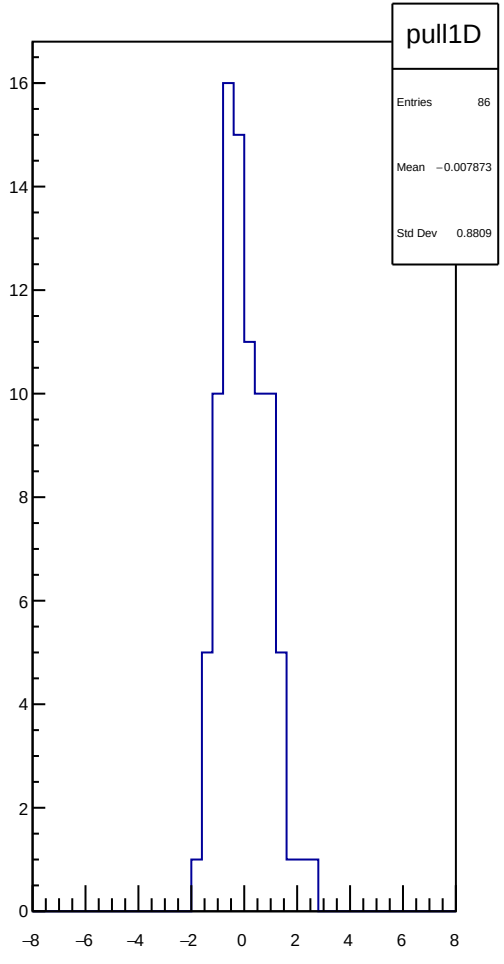
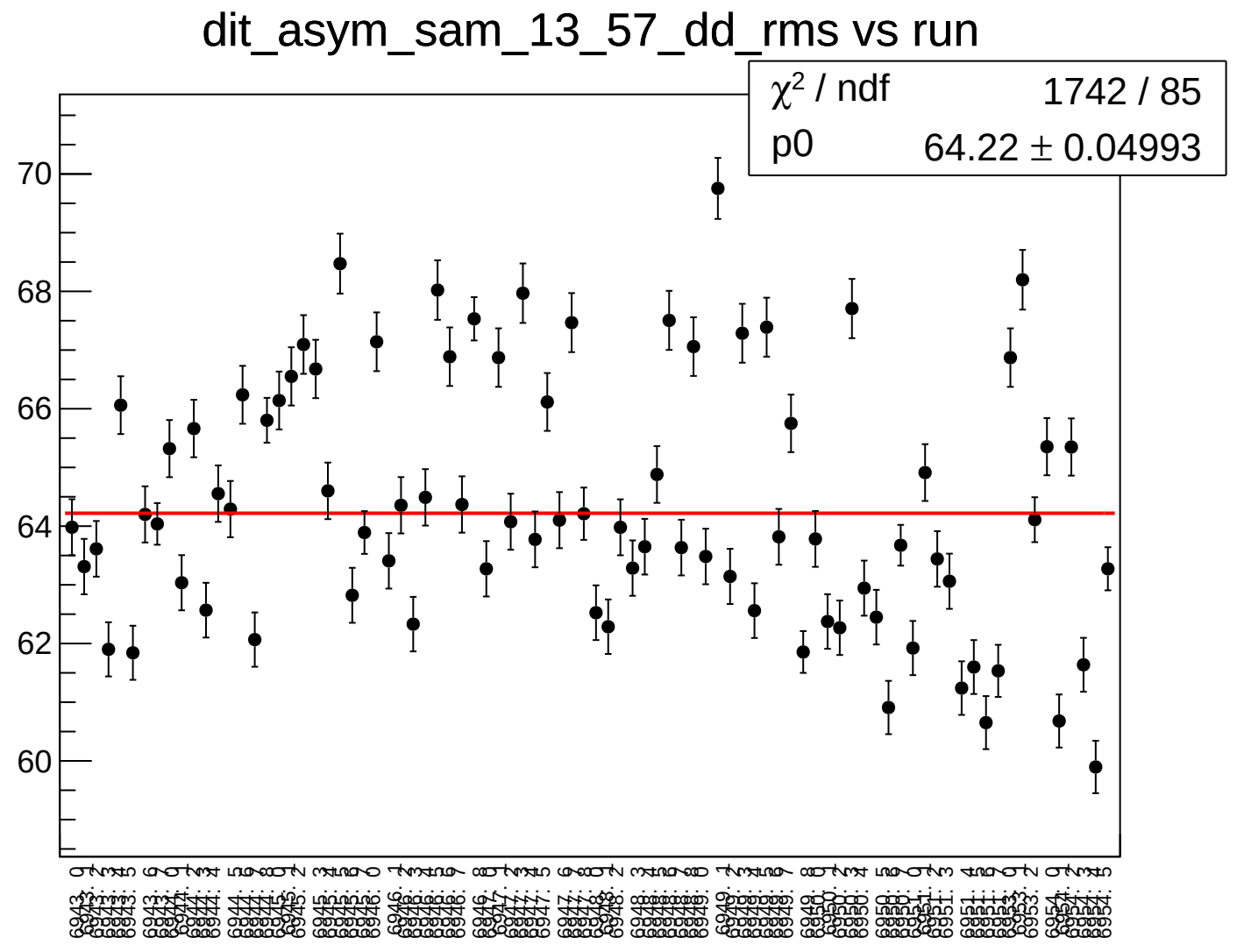
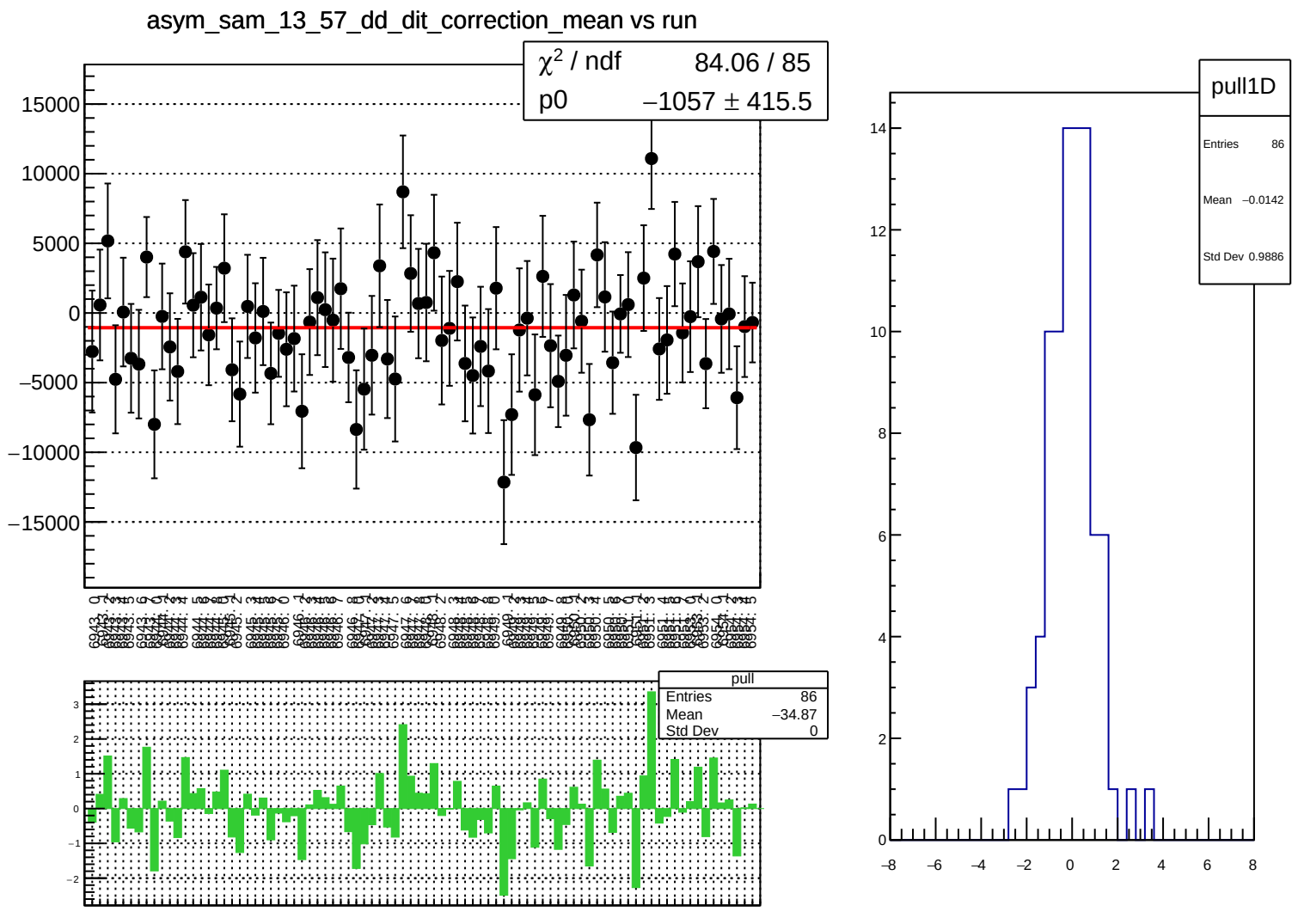
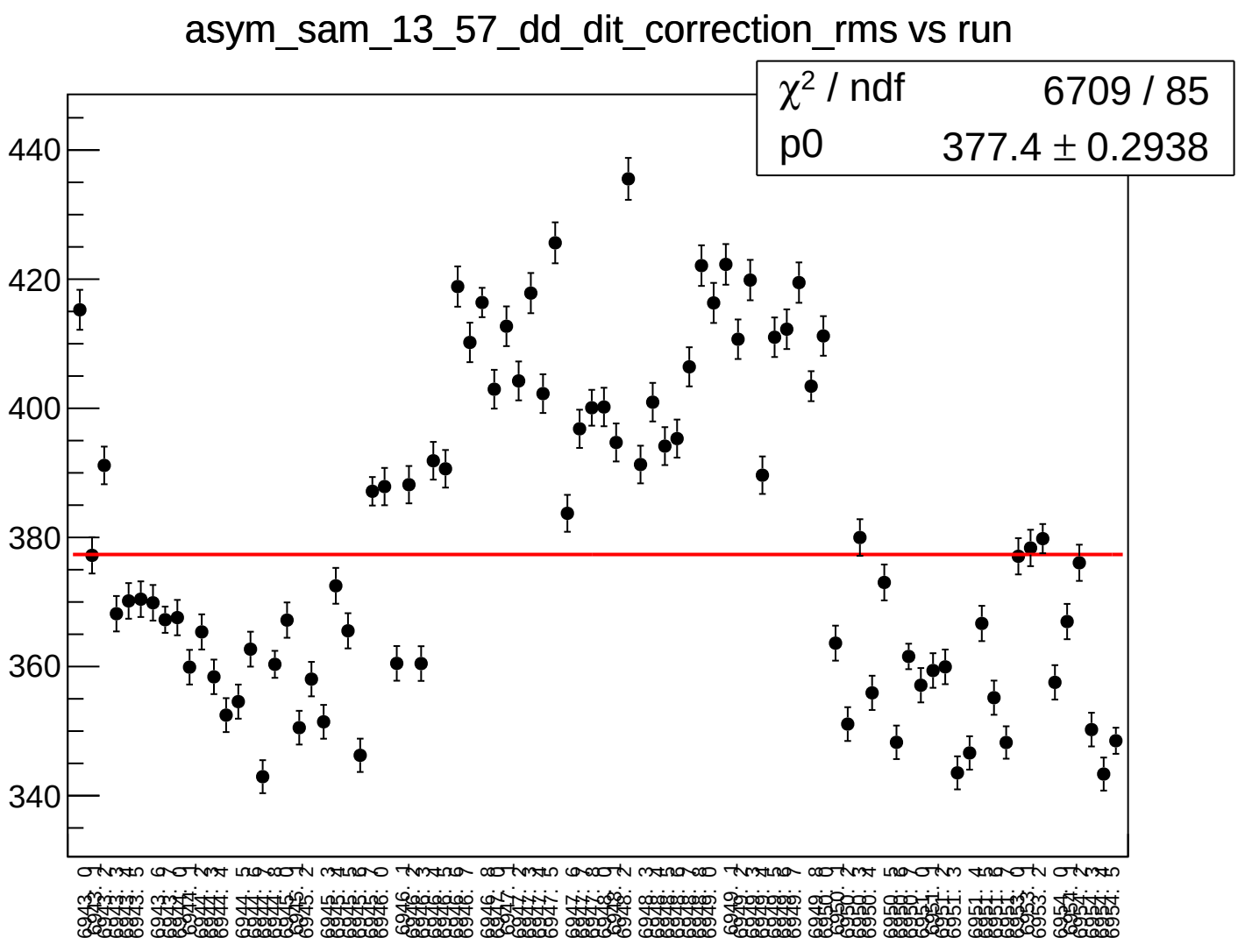

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 7256 / 85
p0 377.8 ± 0.2942
440
420
400
380
360
340

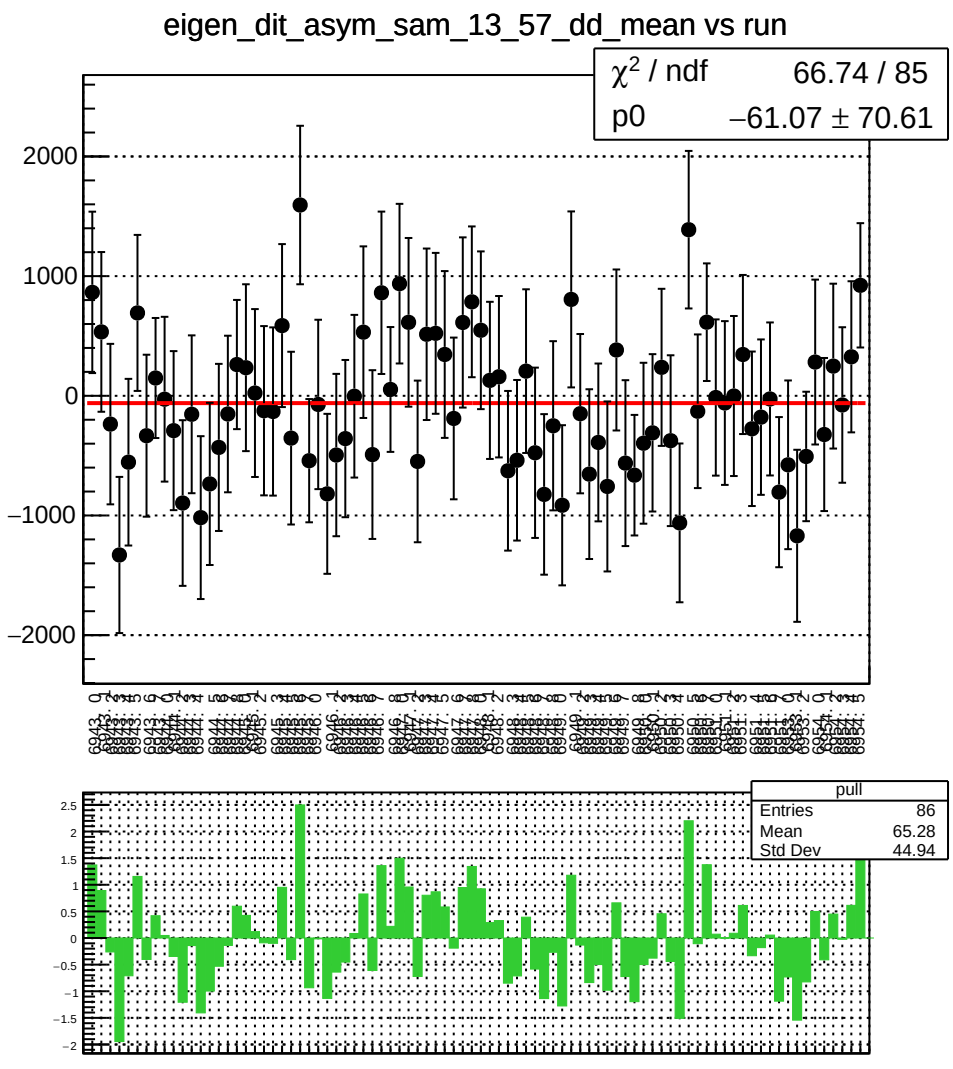

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.74 / 85
p0 −61.07 ± 70.61
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 65.28
Std Dev 44.94
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

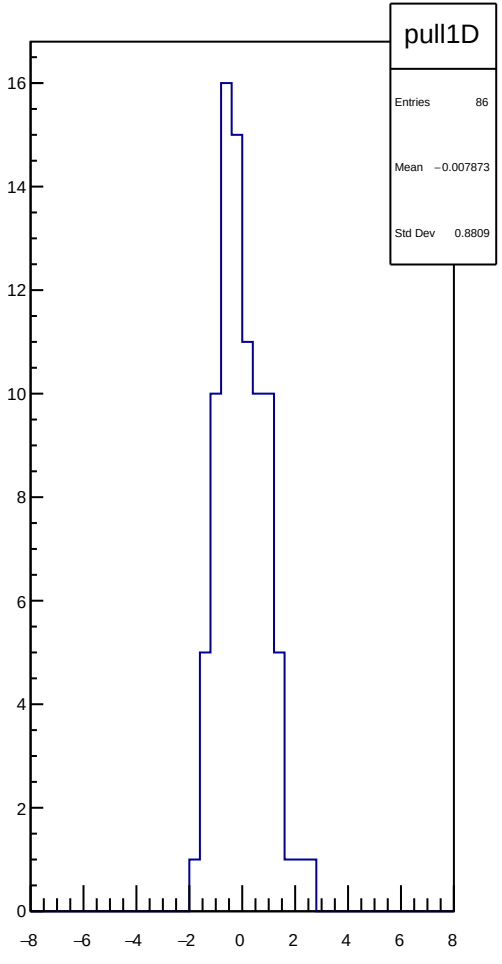

pull1D
Entries 86
Mean −0.007873
Std Dev 0.8809
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

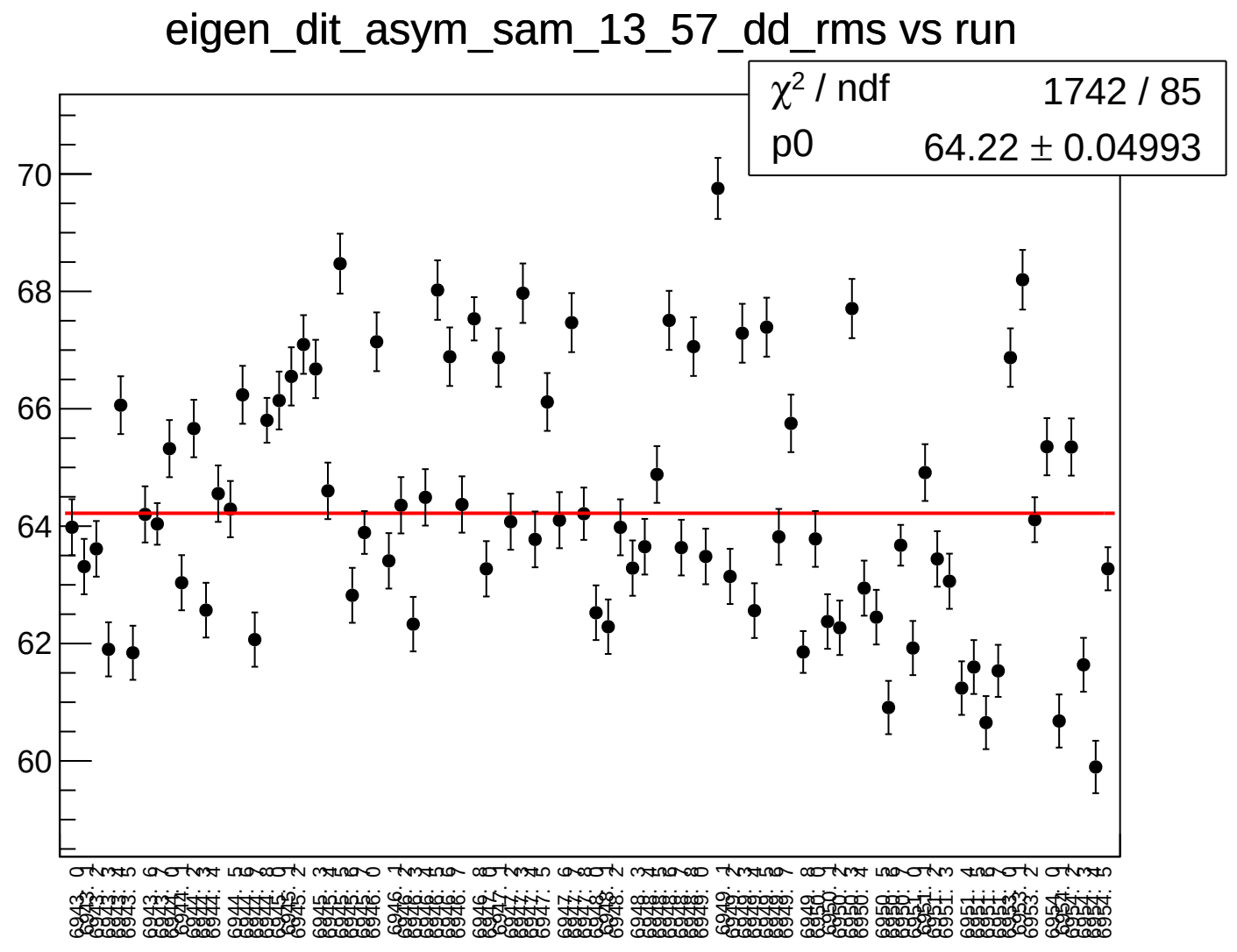

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1742 / 85
p0 64.22 ± 0.04993
70
68
66
64
62
60

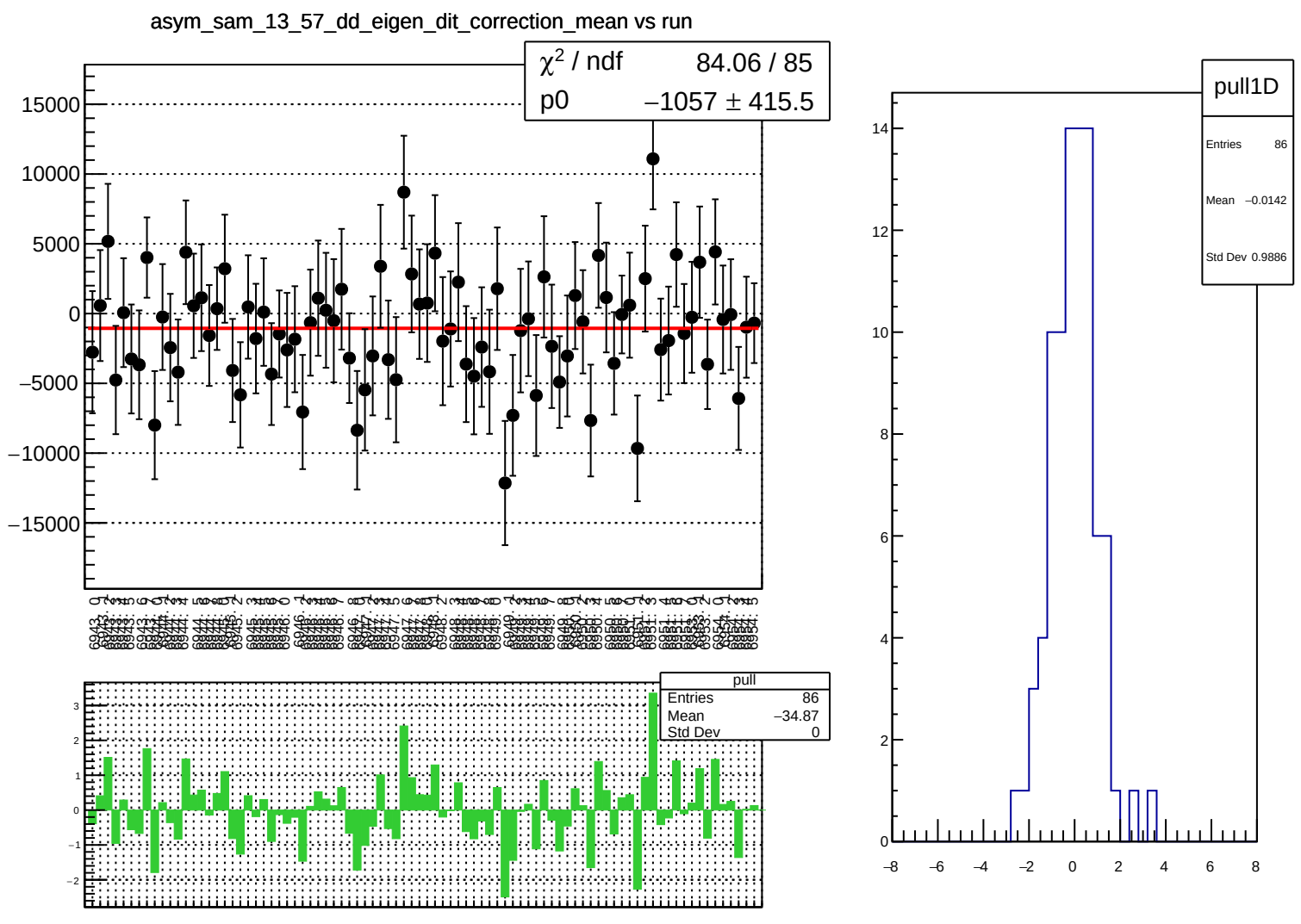

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 84.06 / 85
p0 −1057 ± 415.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −34.87
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.0142
Std Dev 0.9886
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

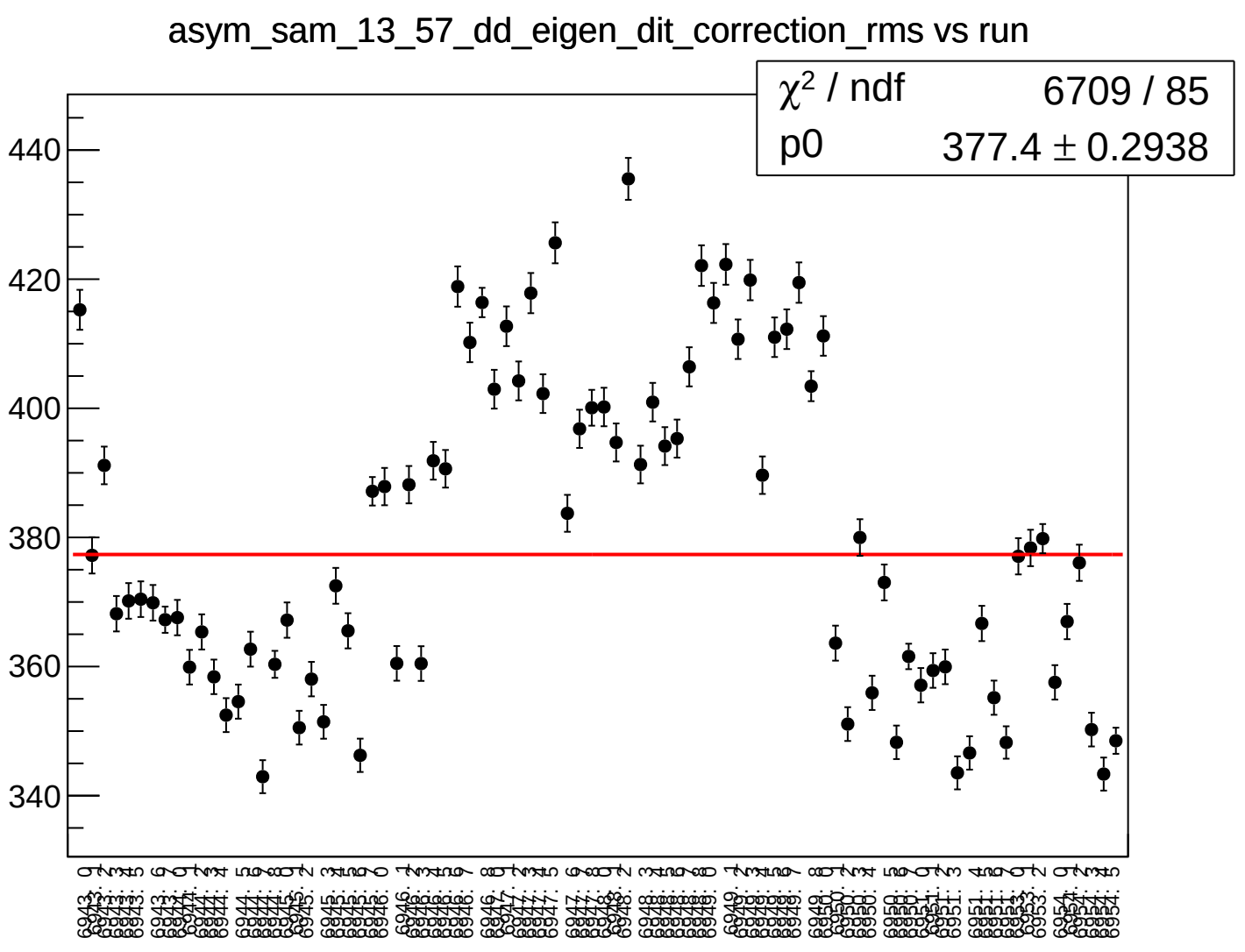

asym_sam_13_57_dd_dit_correction_rms vs run
χ^2 / ndf 6709 / 85
p0 377.4 ± 0.2938
440
420
400
380
360
340

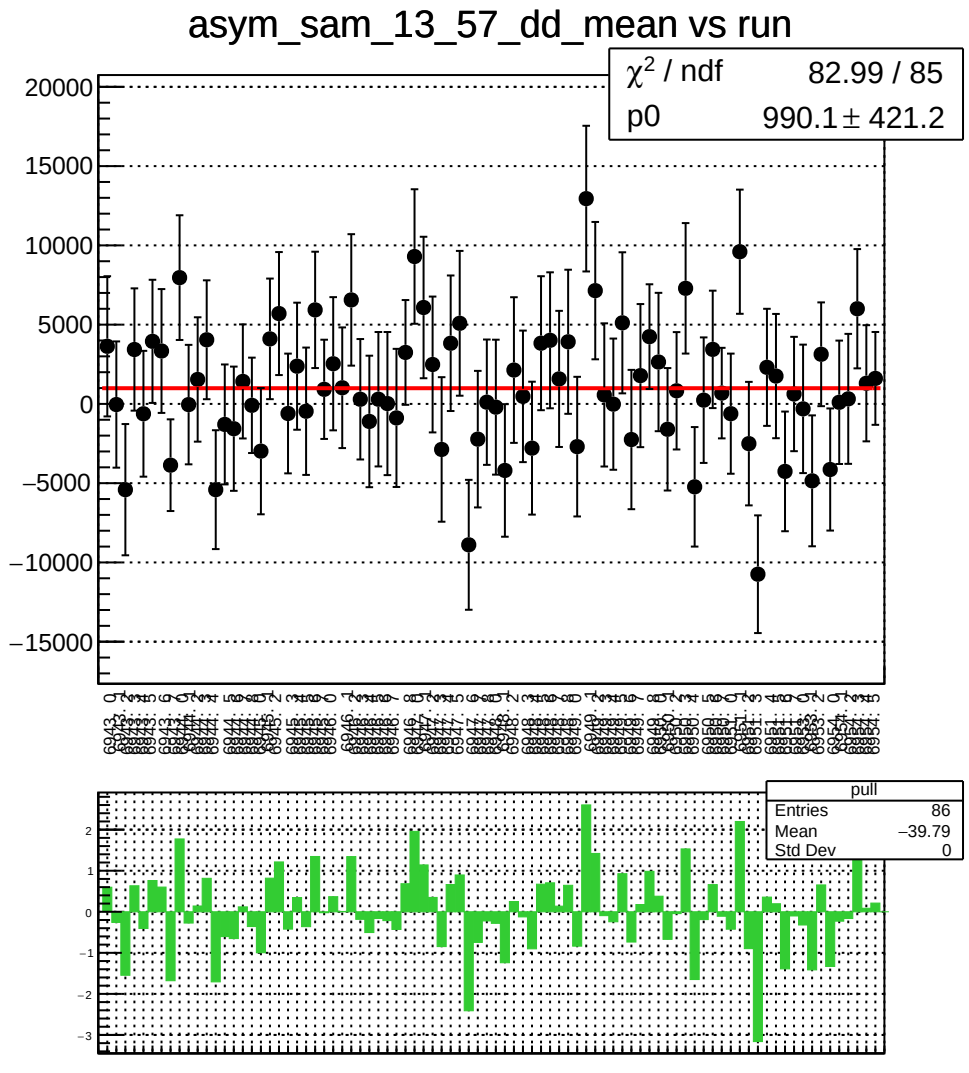

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.74 / 85
p0 −61.07 ± 70.61
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 65.28
Std Dev 44.94
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

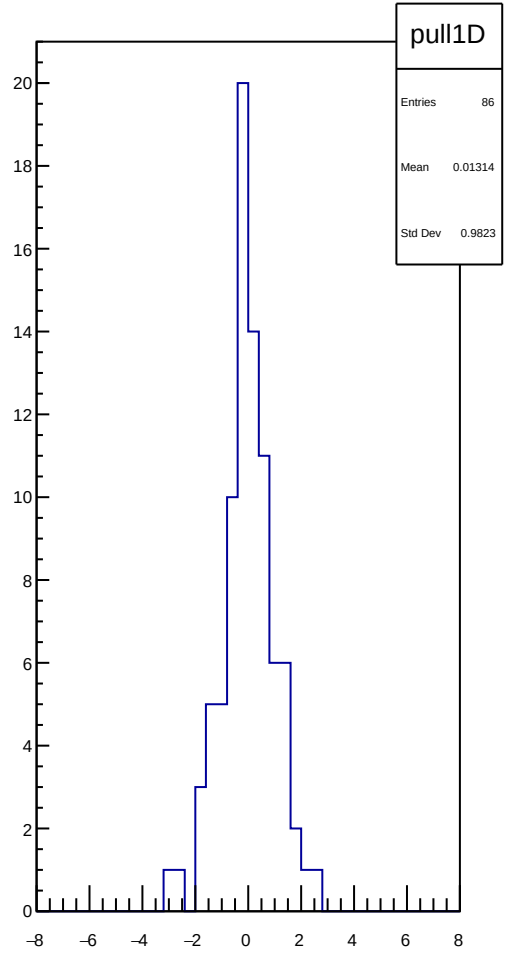

pull1D
Entries 86
Mean −0.007873
Std Dev 0.8809
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

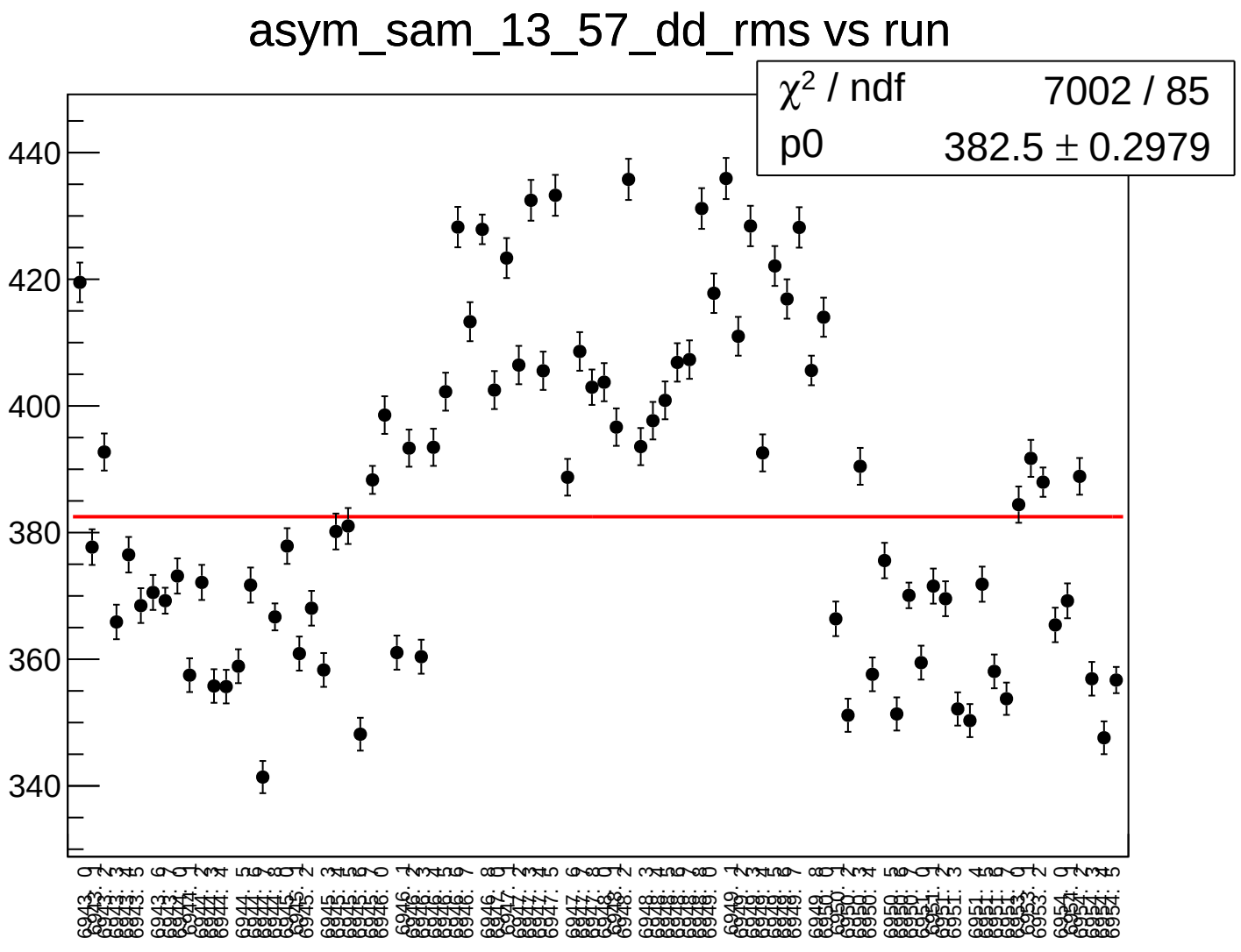

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1742 / 85
p0 64.22 ± 0.04993
70
68
66
64
62
60

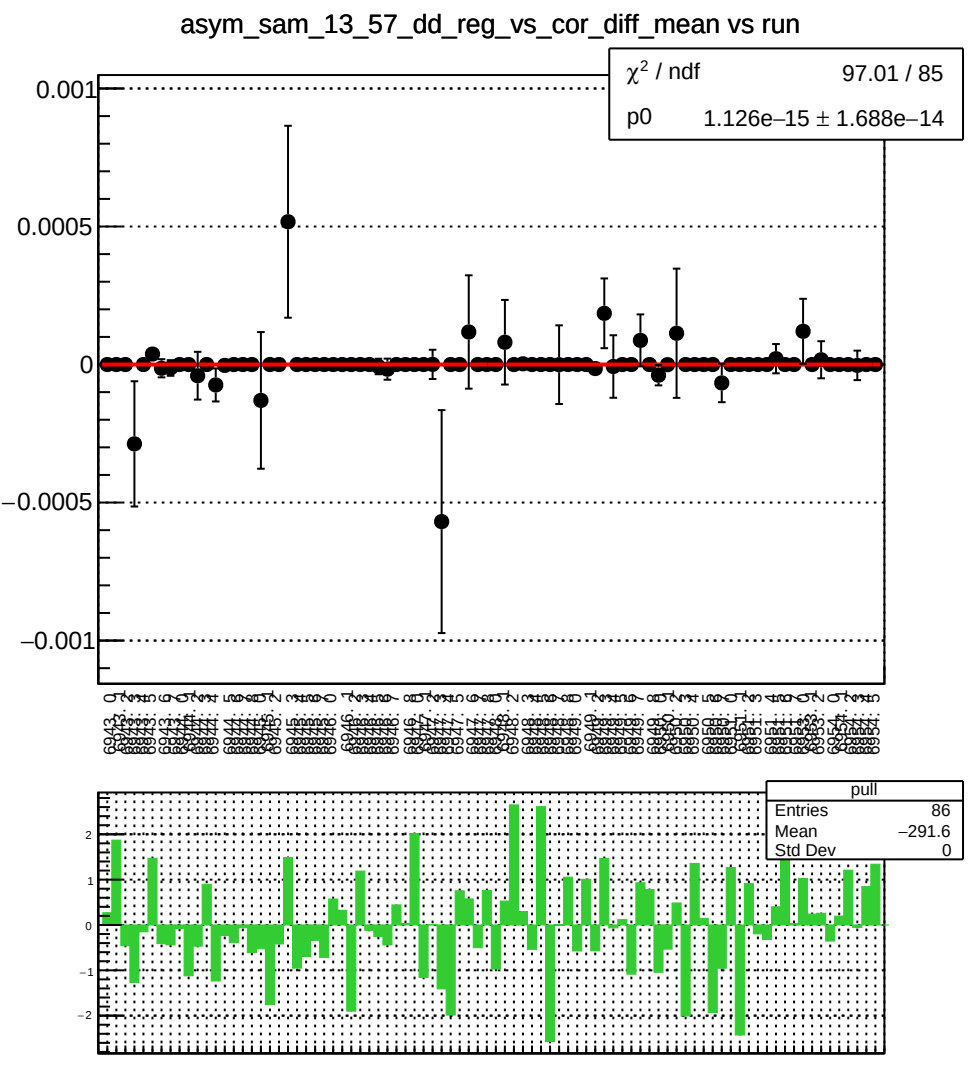

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.06 / 85
p0 −1057 ± 415.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −34.87
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.0142
Std Dev 0.9886
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

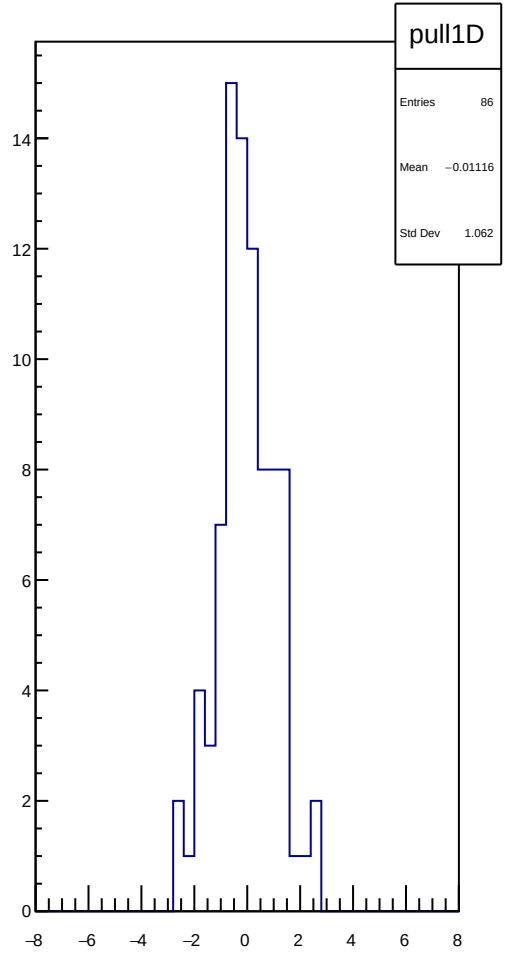

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 6709 / 85
p0 377.4 ± 0.2938
440
420
400
380
360
340

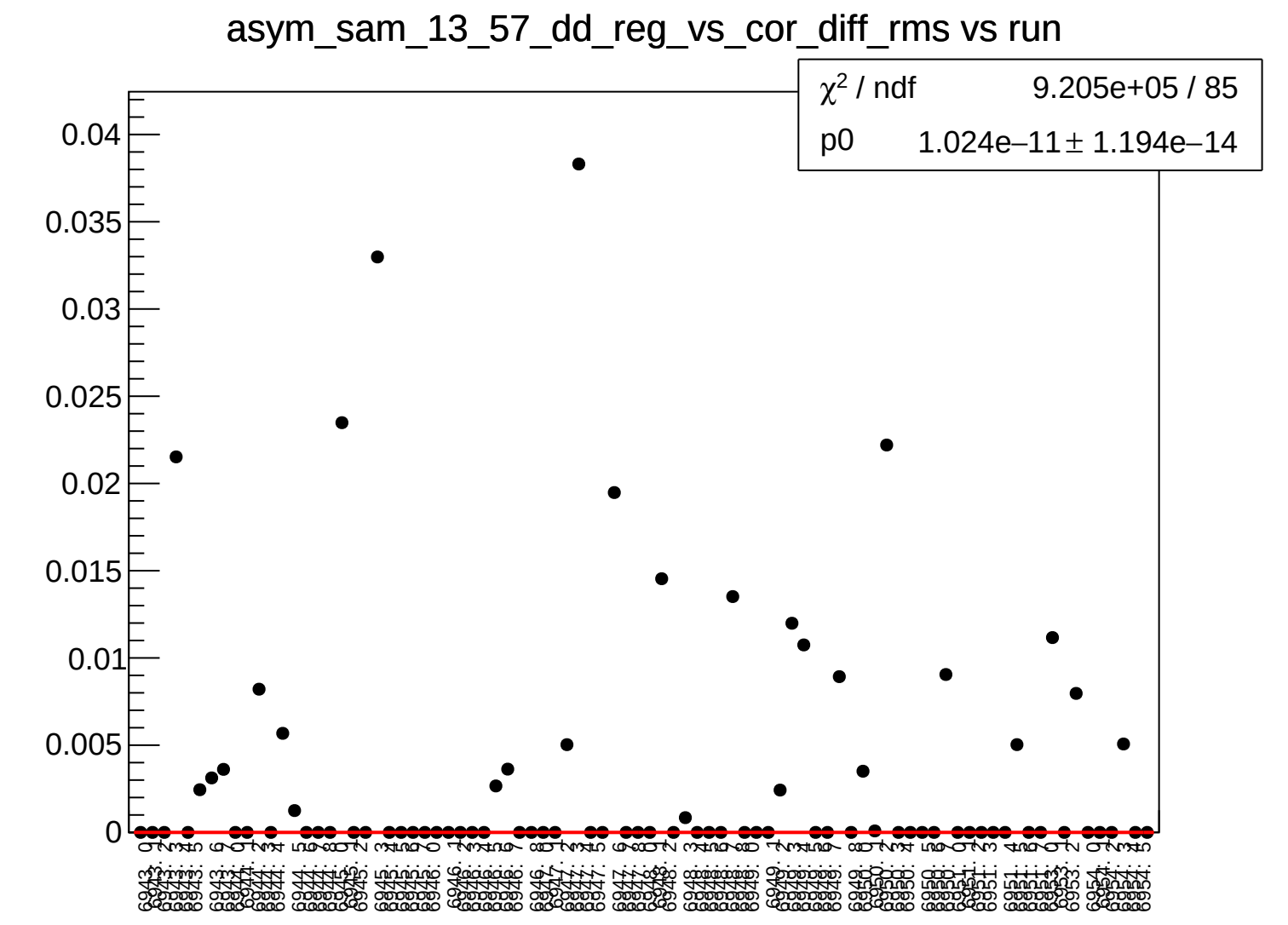

asym_sam_13_57_dd_mean vs run
χ² / ndf 82.99 / 85
p0 990.1 ± 421.2
pull
Entries 86
Mean −39.79
Std Dev 0

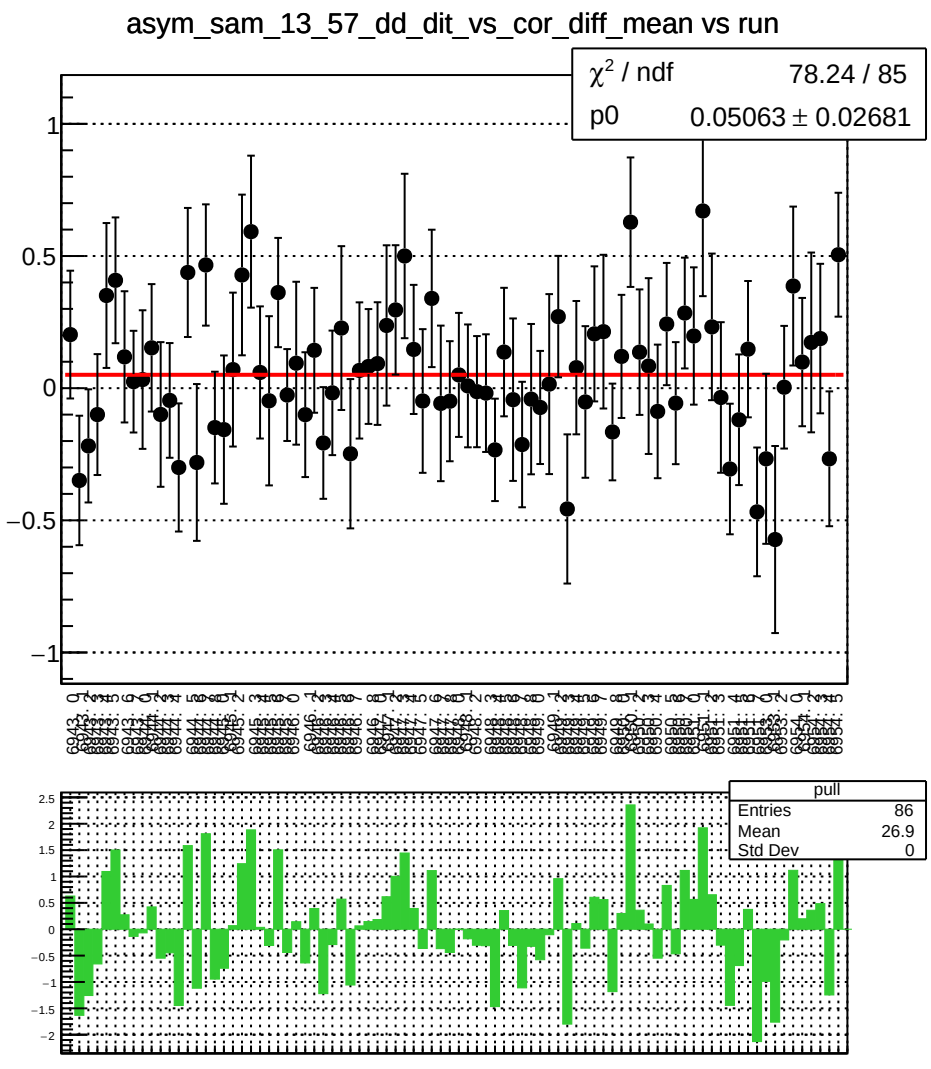

pull1D
Entries 86
Mean 0.01314
Std Dev 0.9823

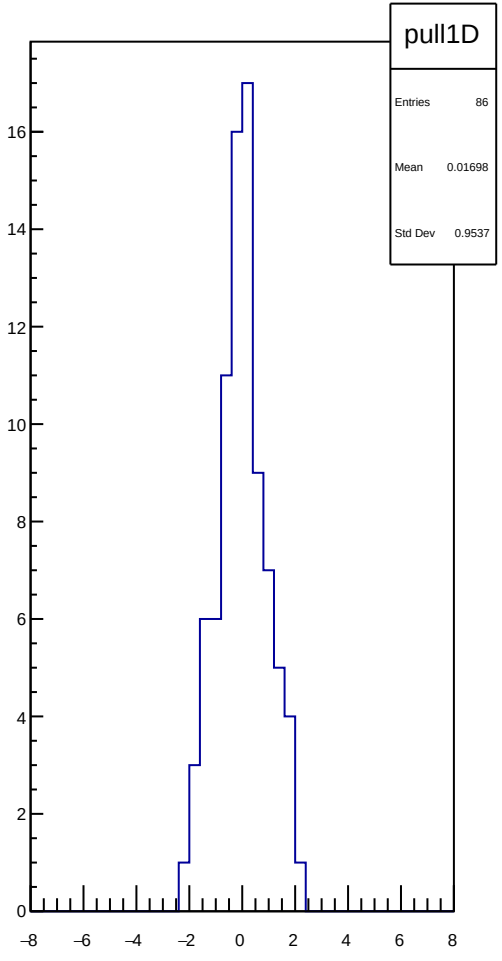

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 7002 / 85
p0 382.5 ± 0.2979
440
420
400
380
360
340

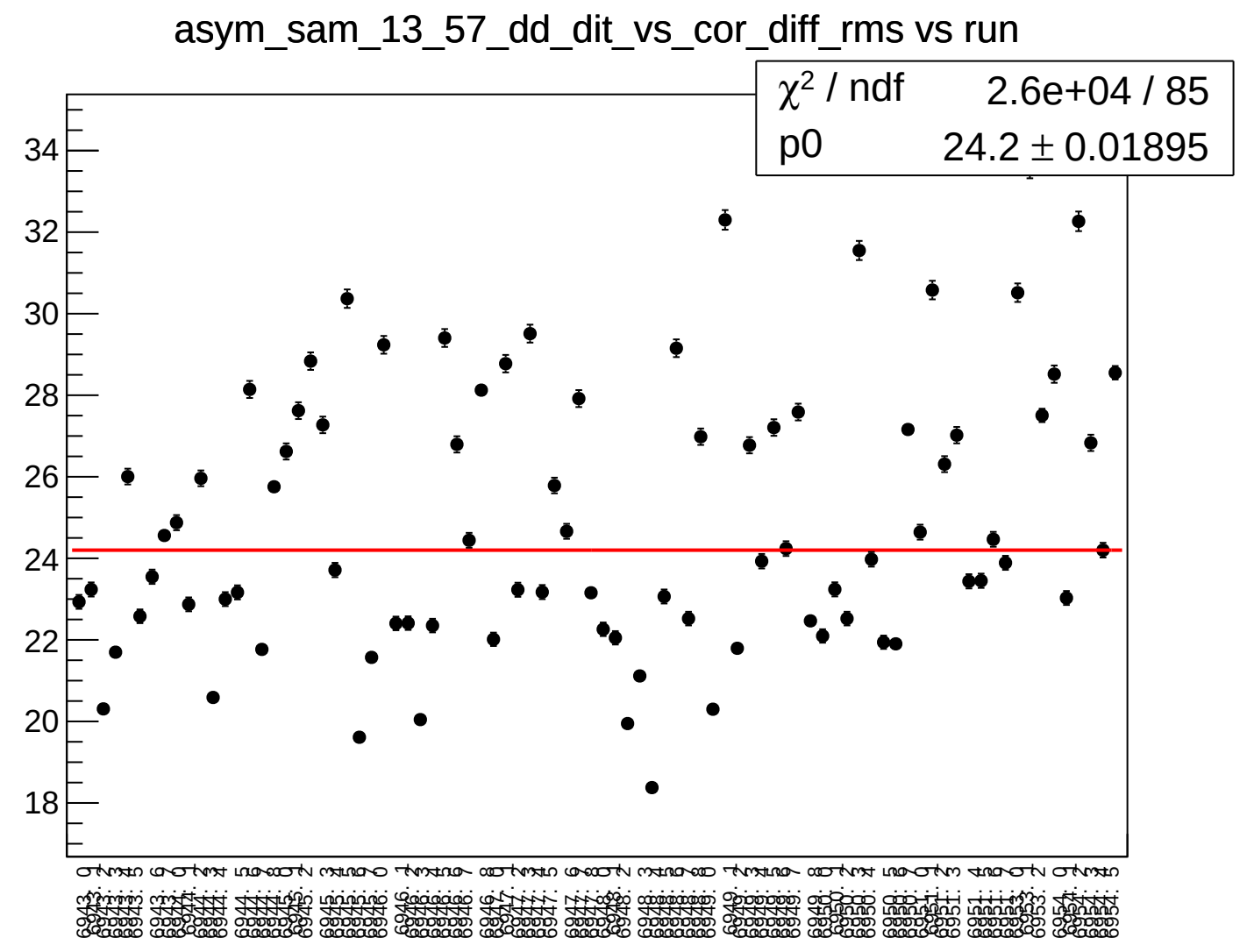

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.01 / 85
p0 1.126e−15 ± 1.688e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean −291.6
Std Dev 0
2
1
0
−1
−2

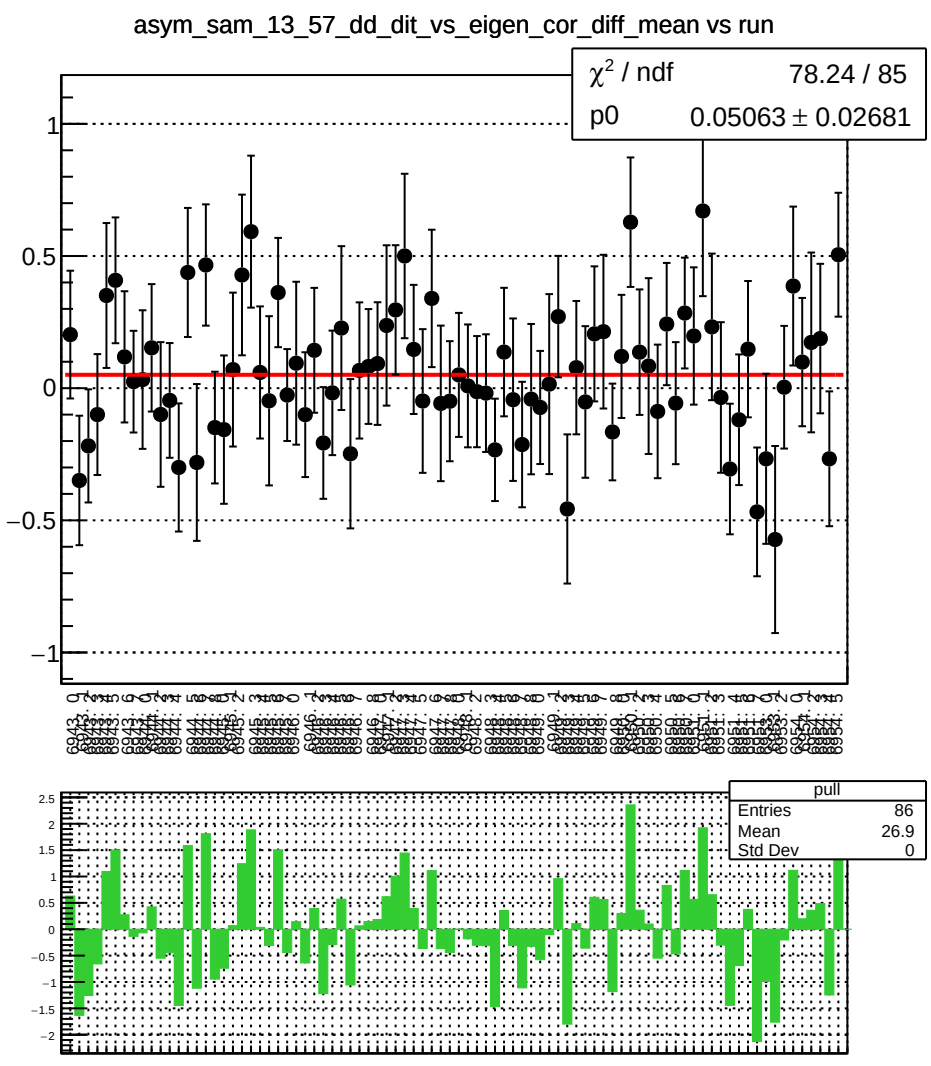

pull1D
Entries 86
Mean −0.01116
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

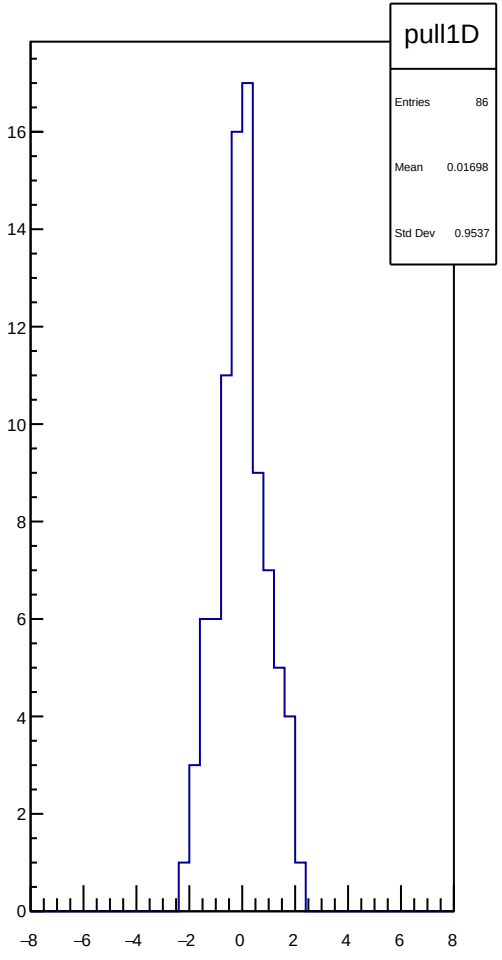

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.205e+05 / 85
p0 1.024e−11 ± 1.194e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

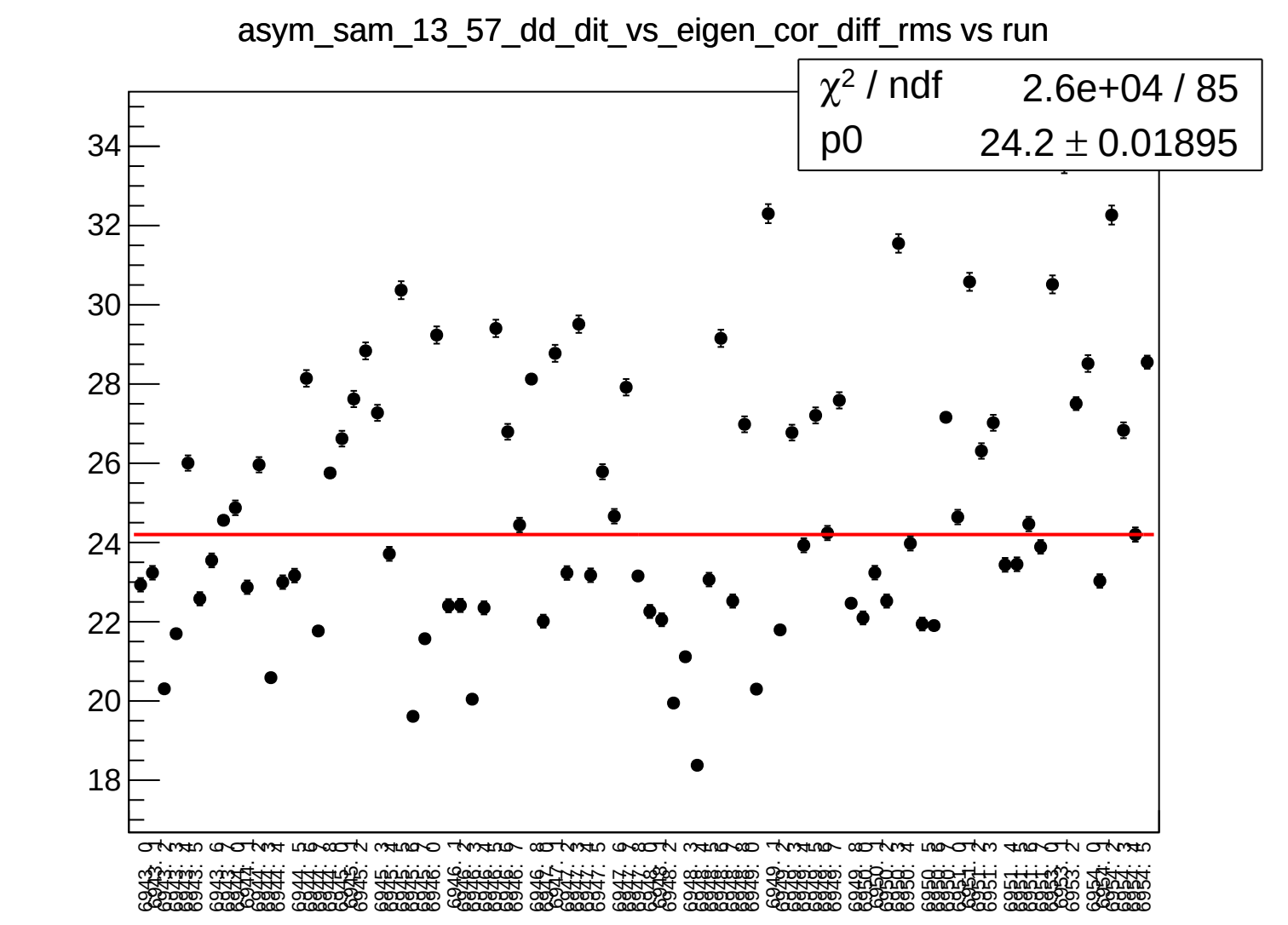

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.24 / 85
p0 0.05063 ± 0.02681
pull
Entries 86
Mean 26.9
Std Dev 0

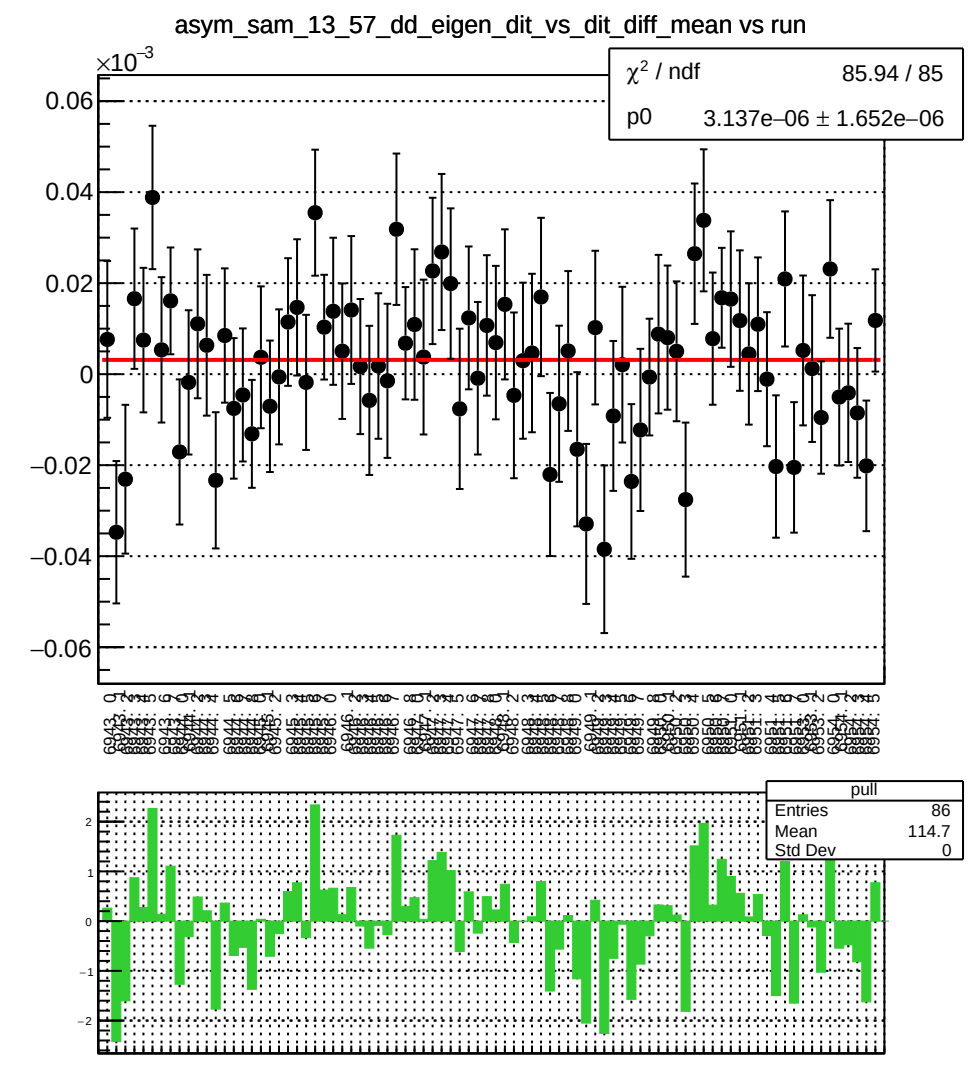

pull1D
Entries 86
Mean 0.01698
Std Dev 0.9537

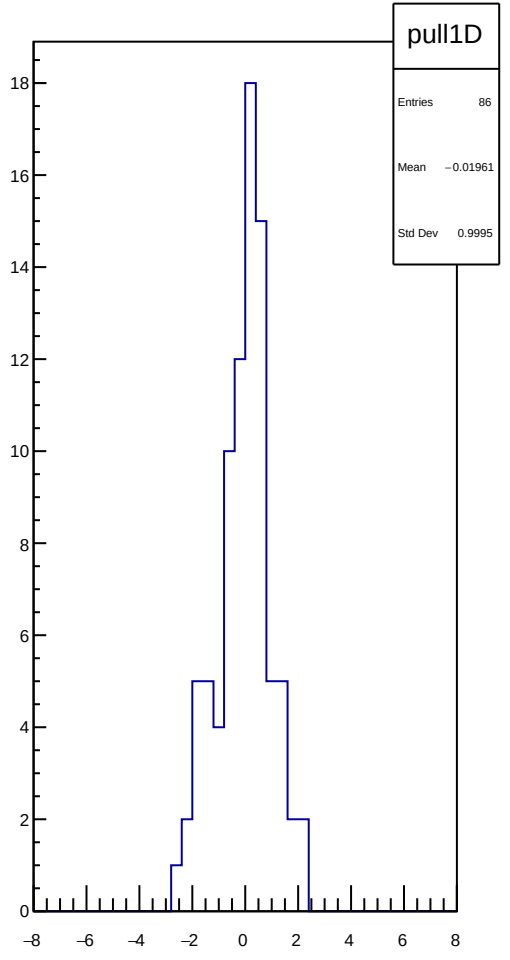

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.6e+04 / 85
p0 24.2 ± 0.01895
34
32
30
28
26
24
22
20
18

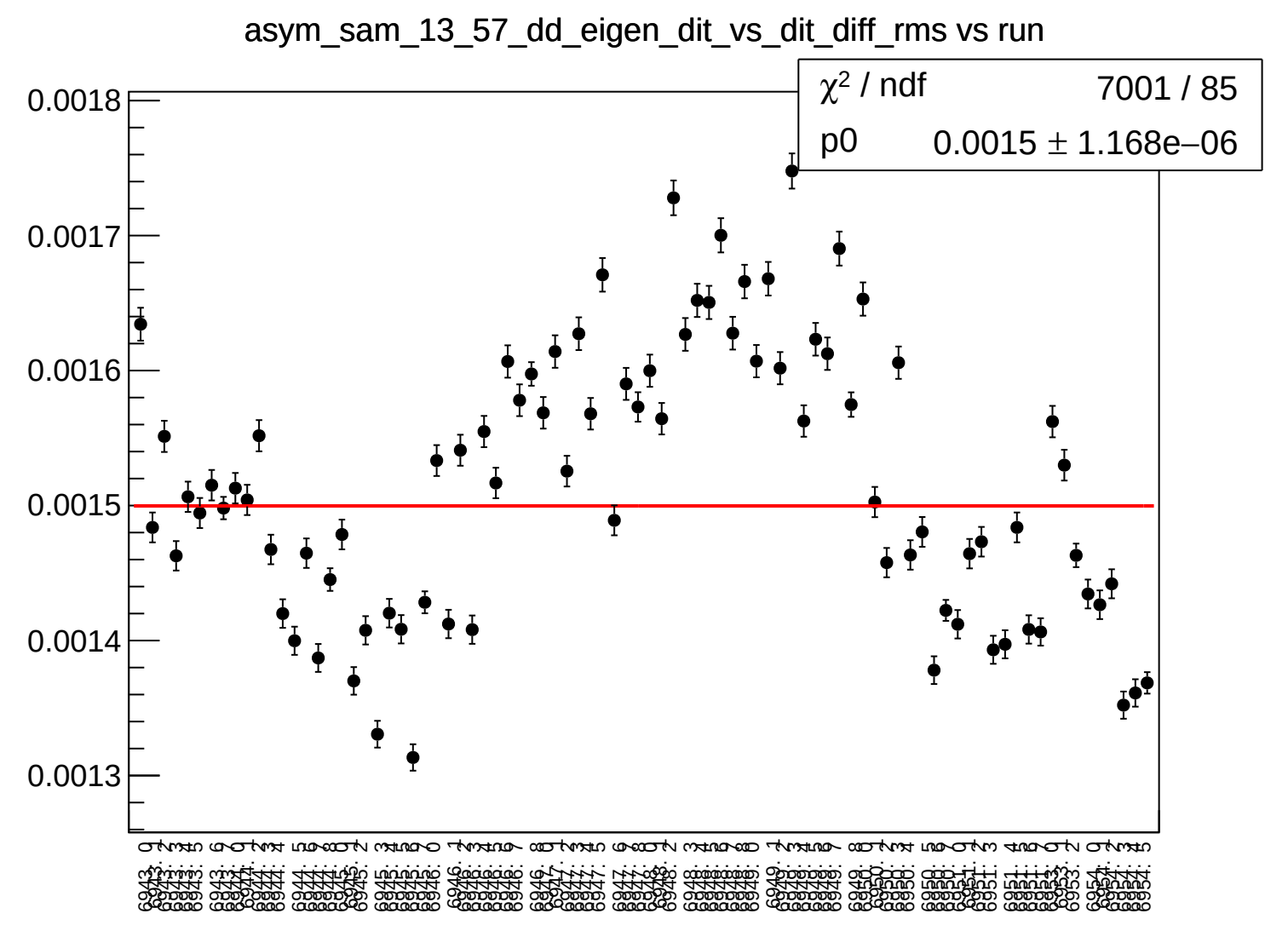

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.24 / 85
p0 0.05063 ± 0.02681
pull
Entries 86
Mean 26.9
Std Dev 0

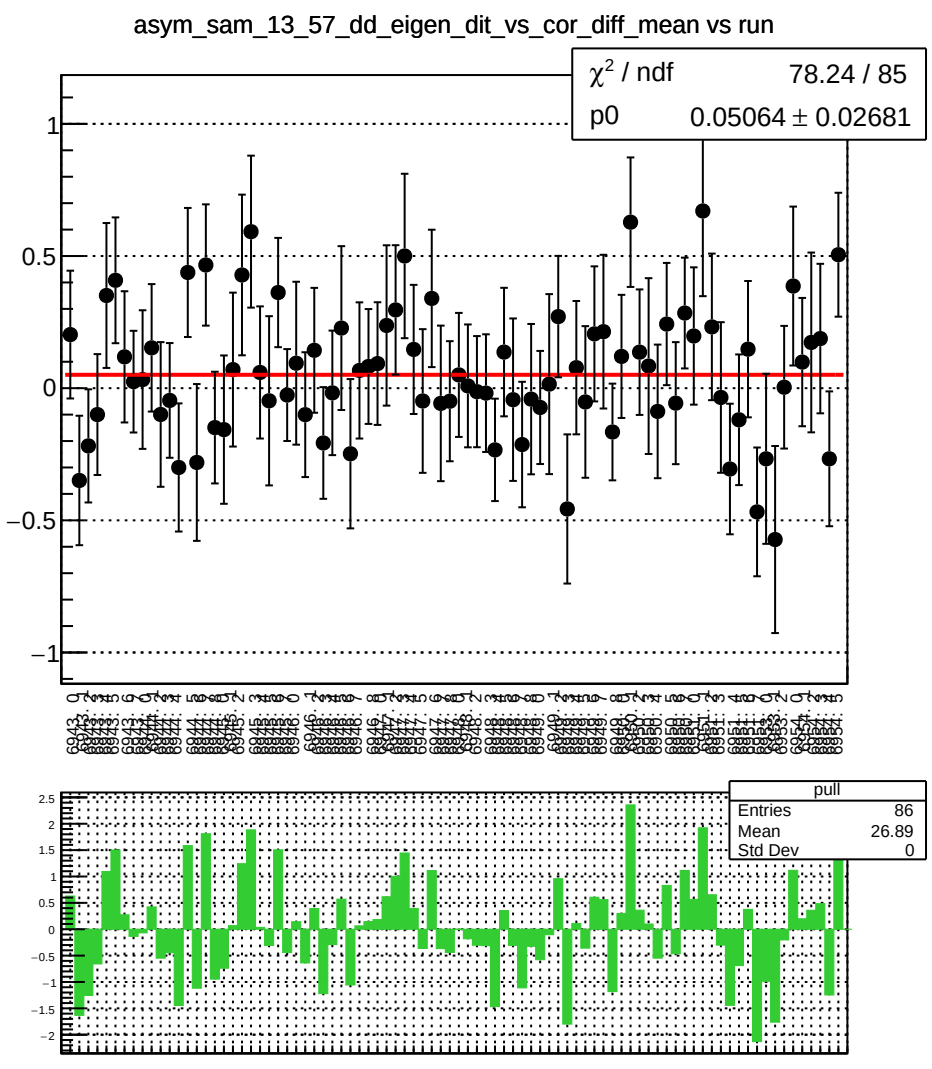

pull1D
Entries 86
Mean 0.01698
Std Dev 0.9537

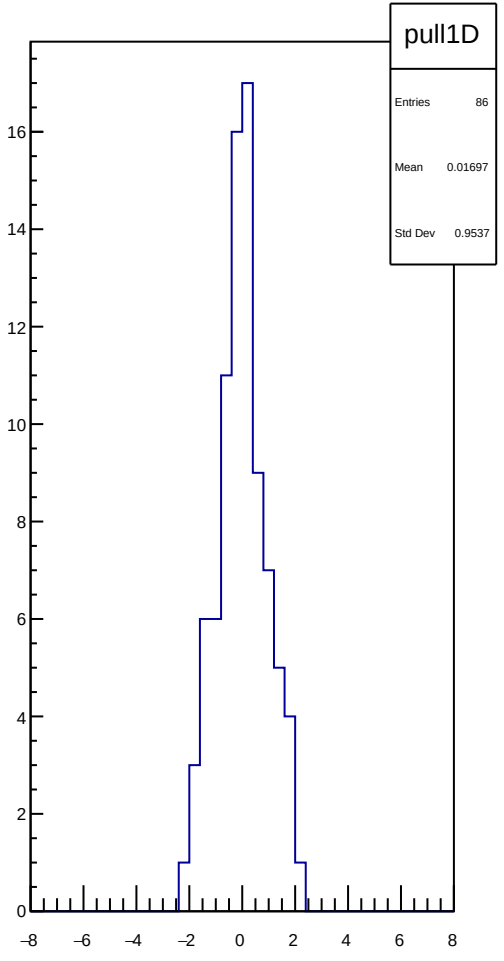

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.6e+04 / 85
p0 24.2 ± 0.01895
34
32
30
28
26
24
22
20
18

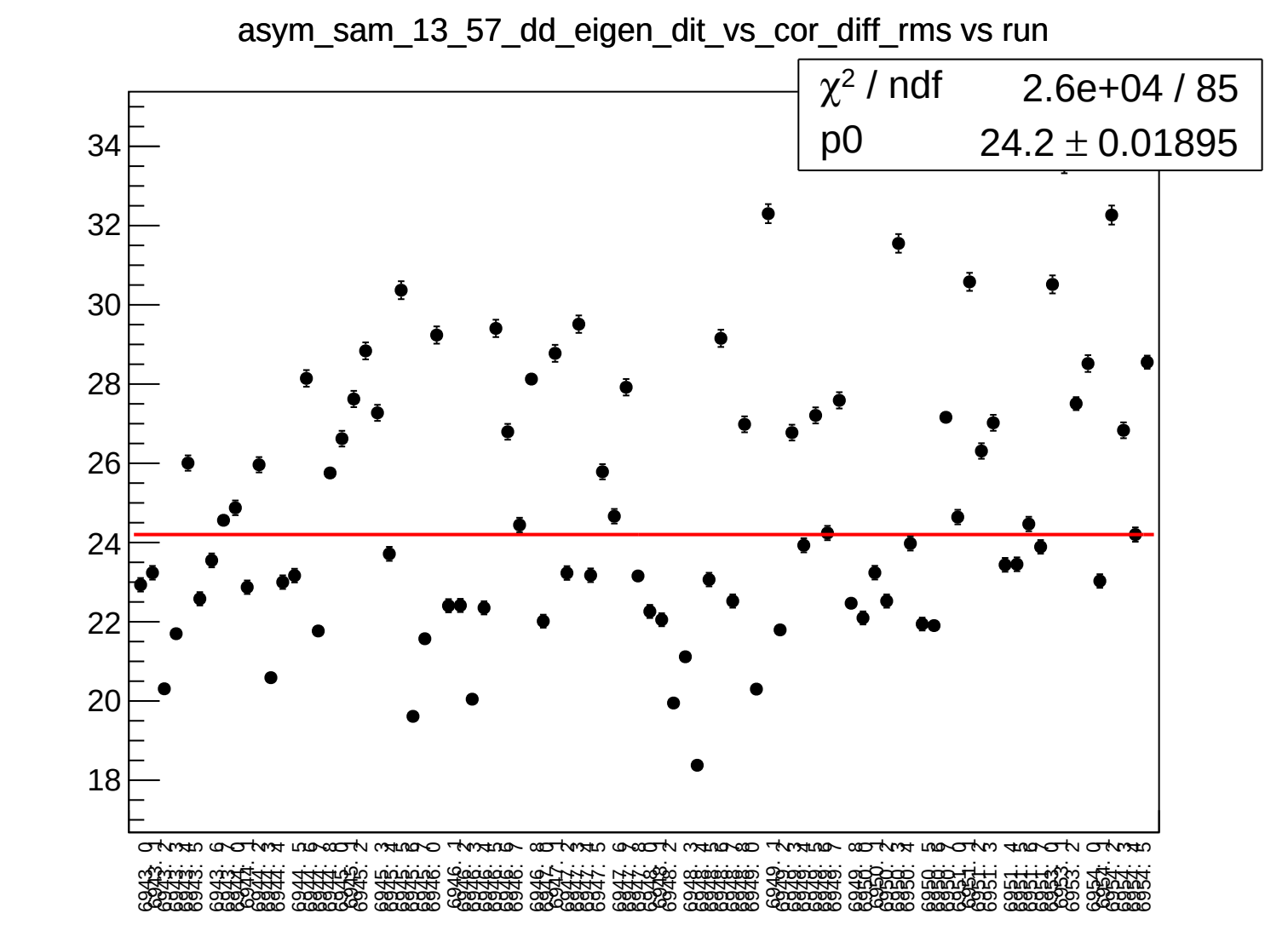

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.94 / 85
p0 3.137e−06 ± 1.652e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 114.7
Std Dev 0
2
1
0
−1
−2

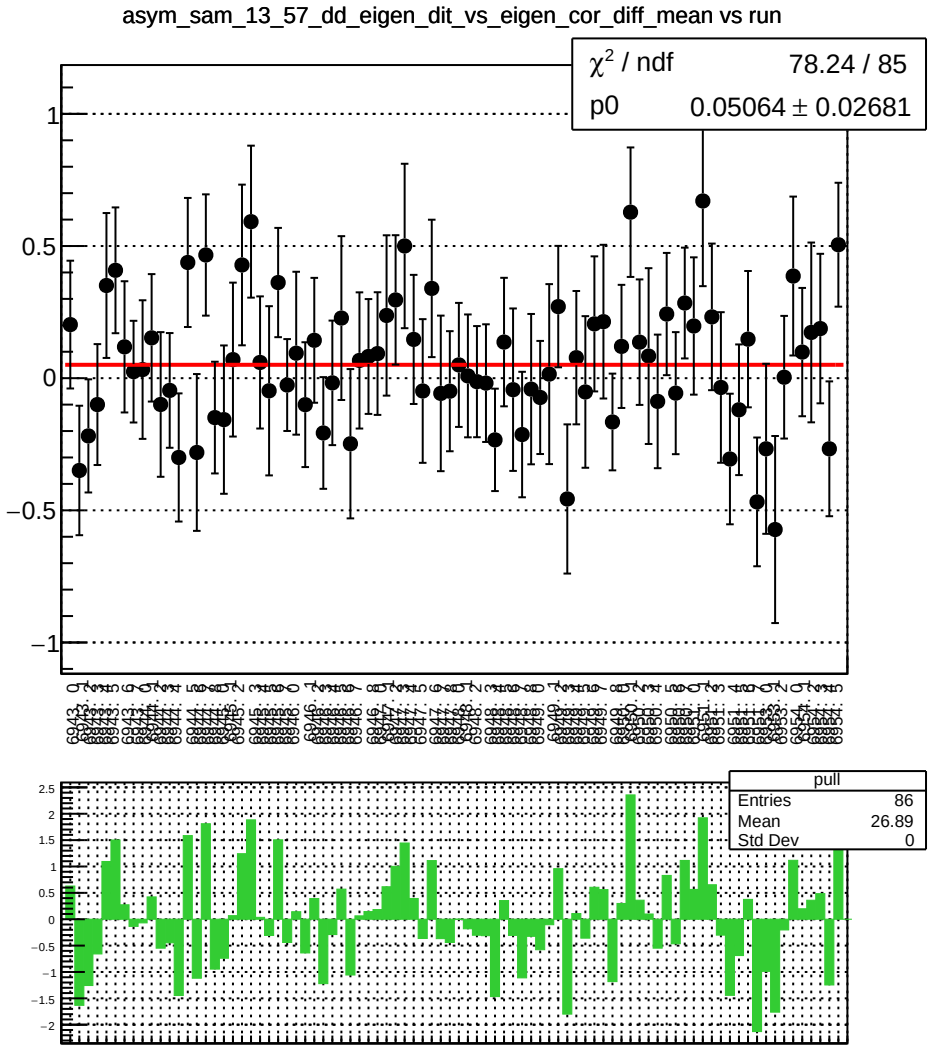

pull1D
Entries 86
Mean −0.01961
Std Dev 0.9995
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

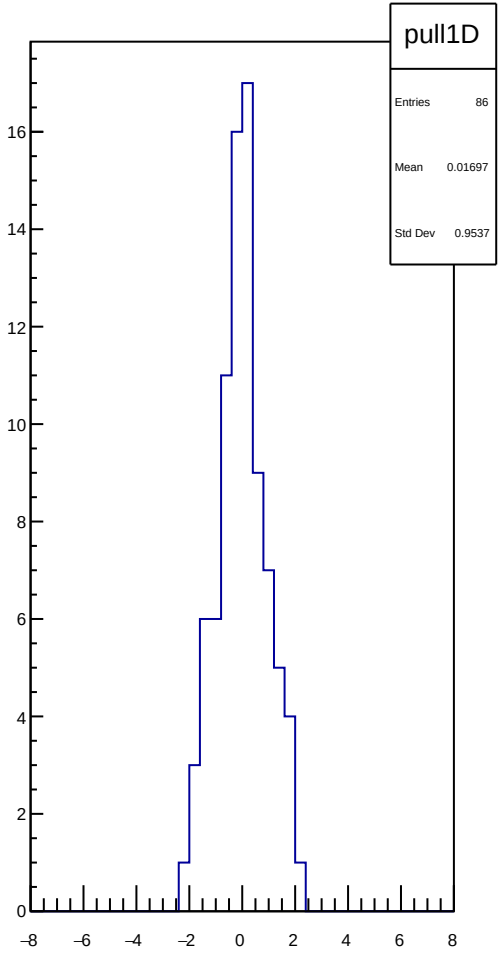

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7001 / 85
p0 0.0015 ± 1.168e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

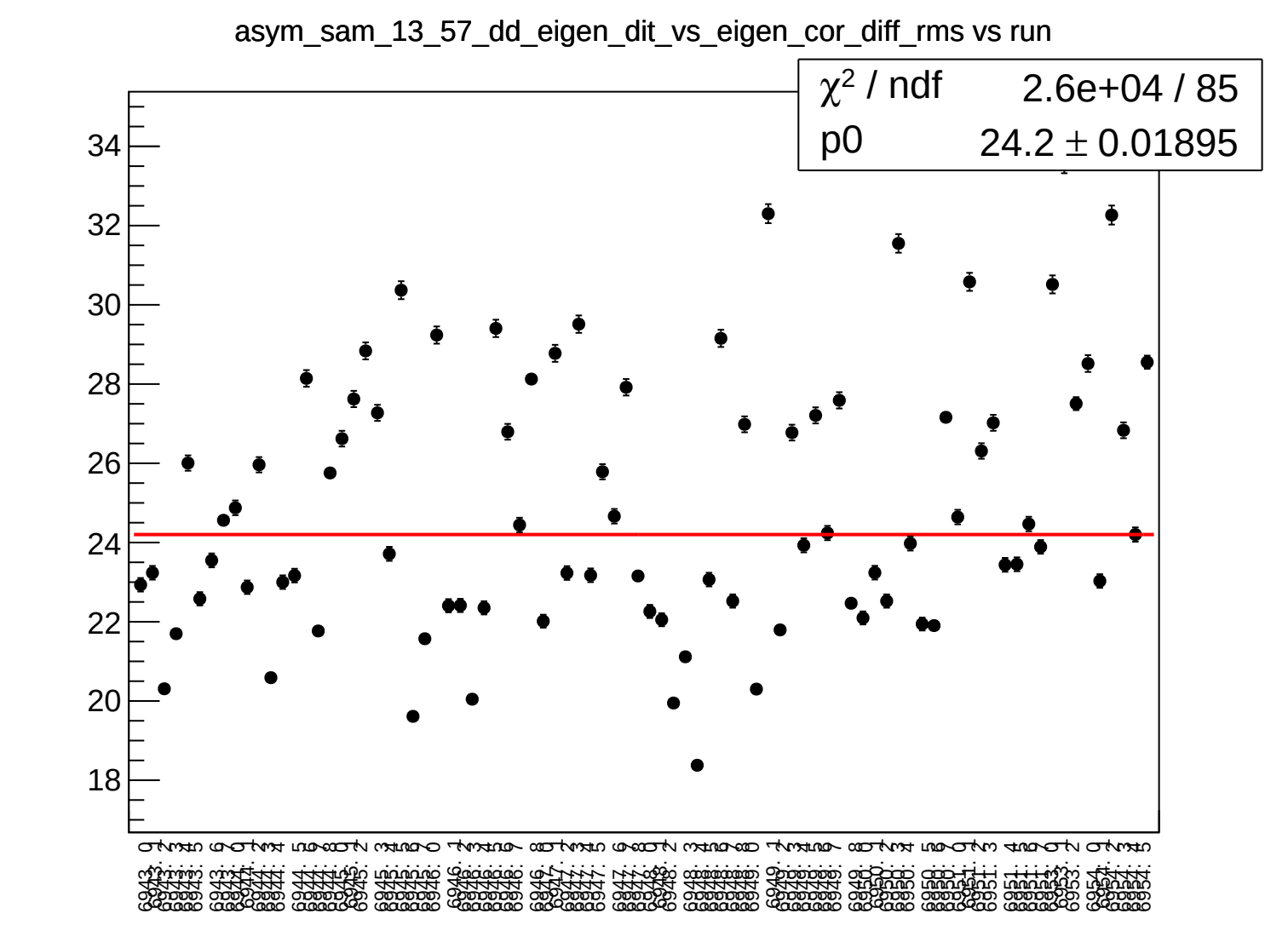

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.24 / 85
p0 0.05064 ± 0.02681
pull
Entries 86
Mean 26.89
Std Dev 0

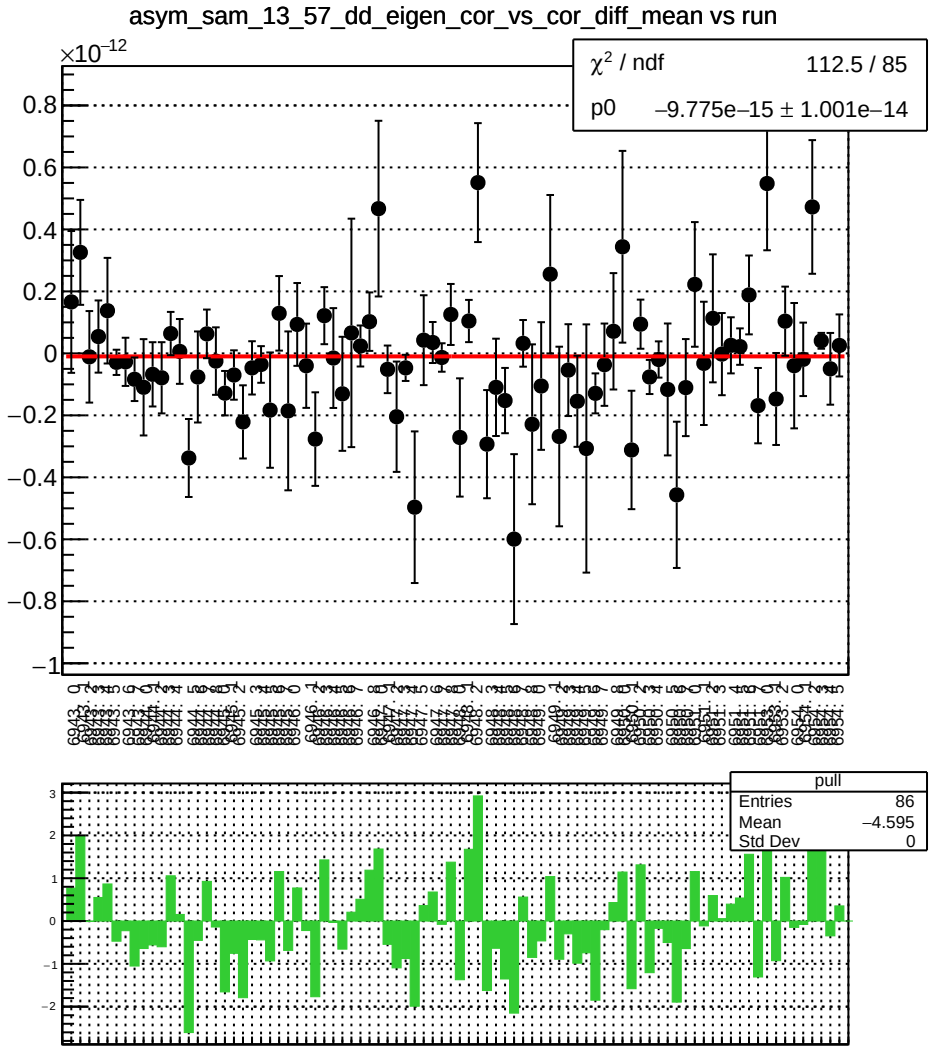

pull1D
Entries 86
Mean 0.01697
Std Dev 0.9537

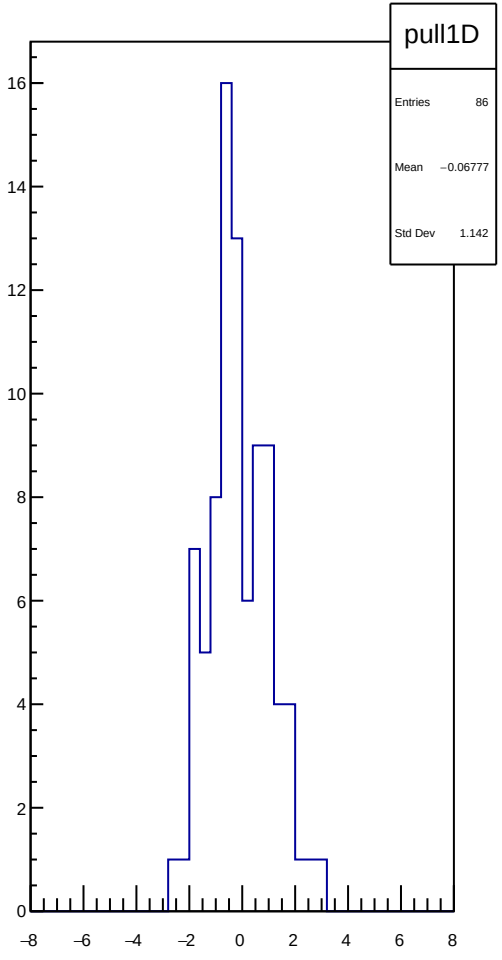

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.6e+04 / 85
p0 24.2 ± 0.01895
34
32
30
28
26
24
22
20
18

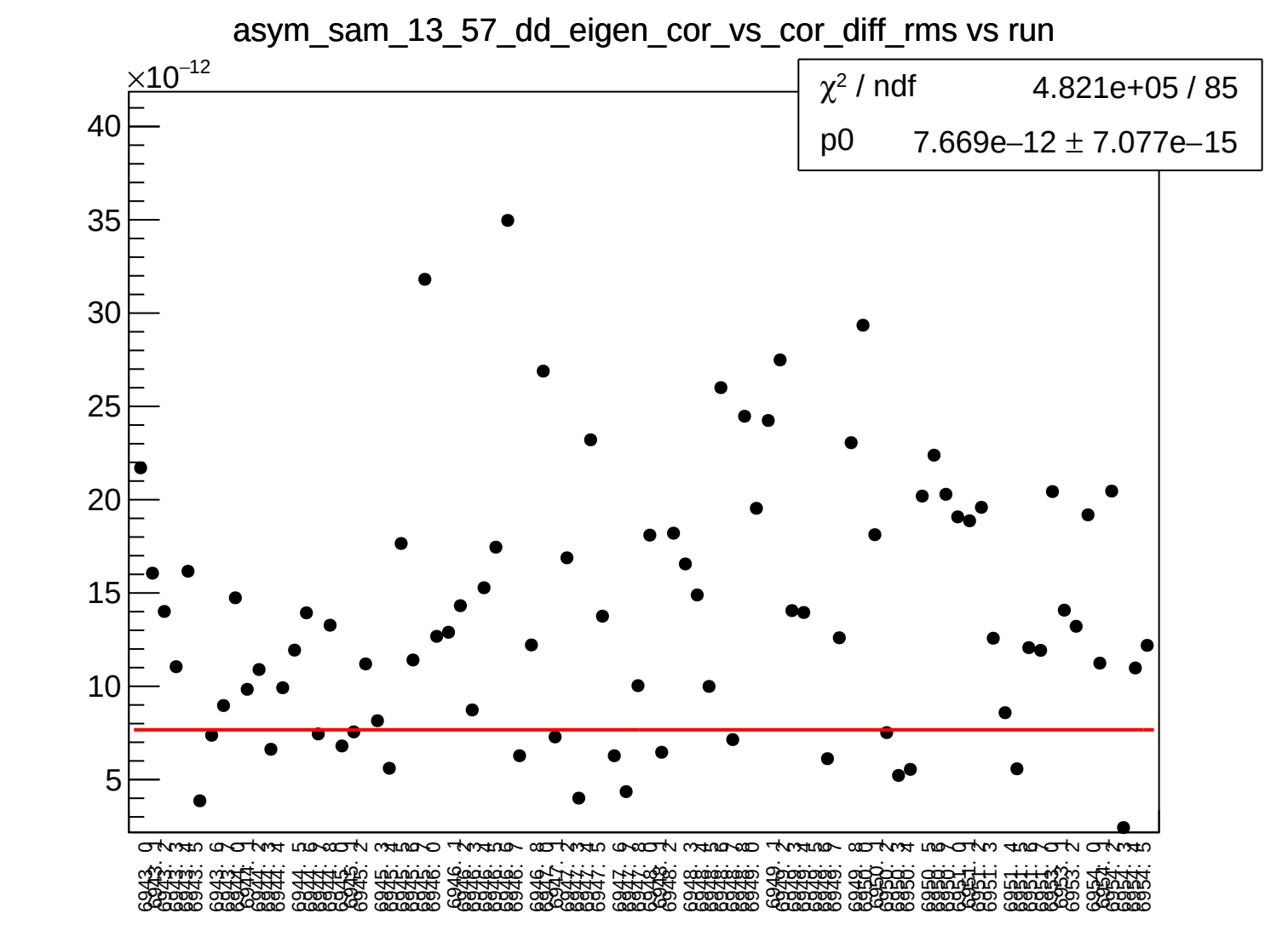

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.24 / 85
p0 0.05064 ± 0.02681
pull
Entries 86
Mean 26.89
Std Dev 0

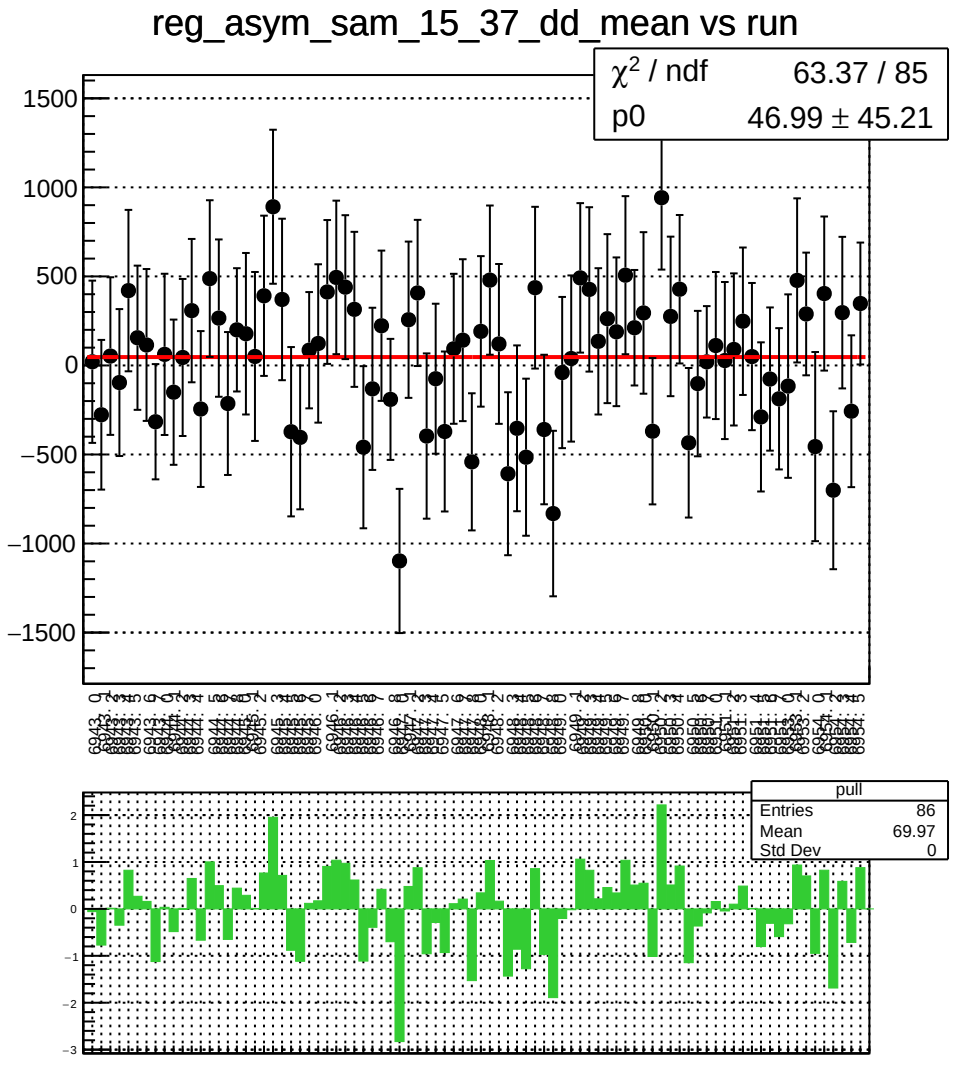

pull1D
Entries 86
Mean 0.01697
Std Dev 0.9537

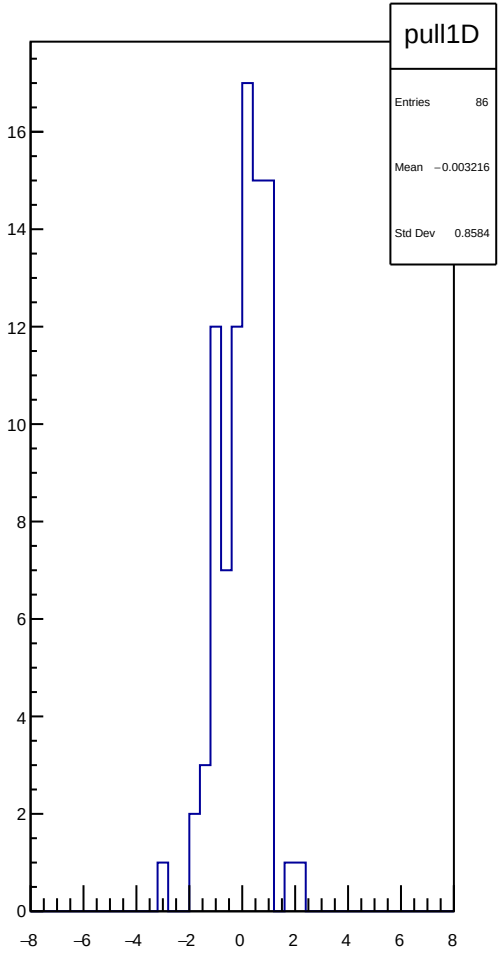

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.6e+04 / 85
p0 24.2 ± 0.01895
34
32
30
28
26
24
22
20
18

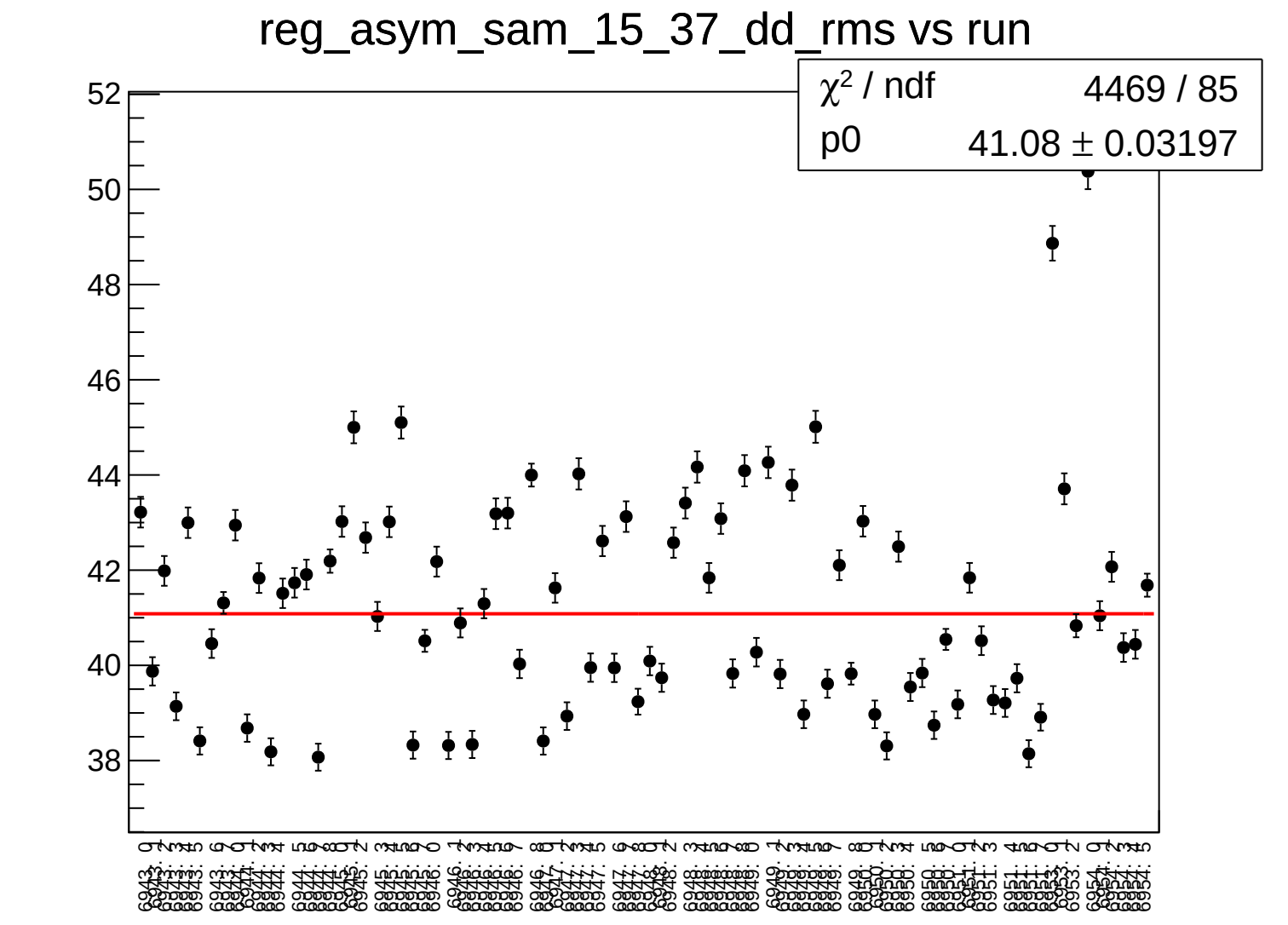

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 112.5 / 85
p0 −9.775e−15 ± 1.001e−14
pull
Entries 86
Mean −4.595
Std Dev 0

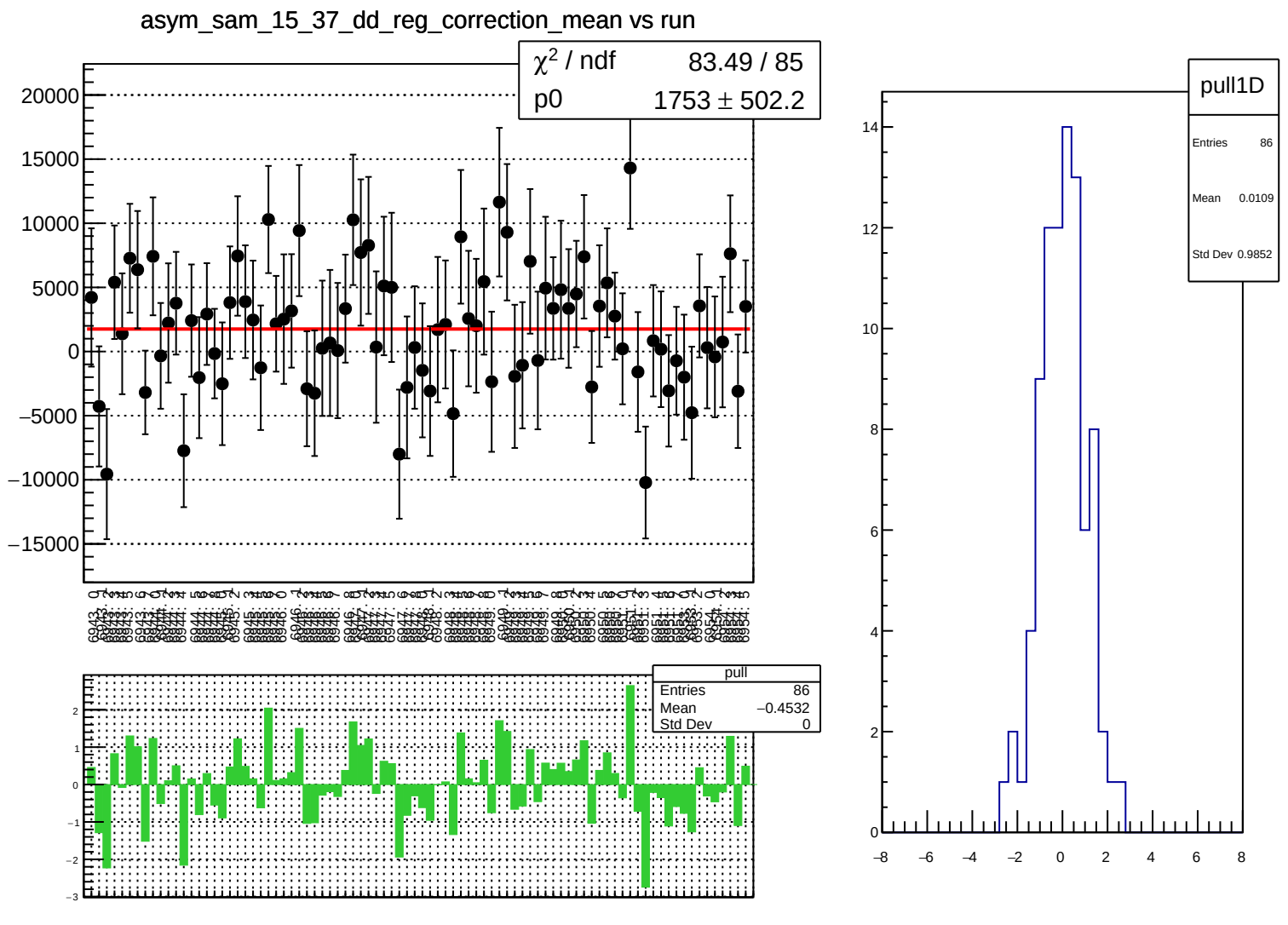

pull1D
Entries 86
Mean −0.06777
Std Dev 1.142

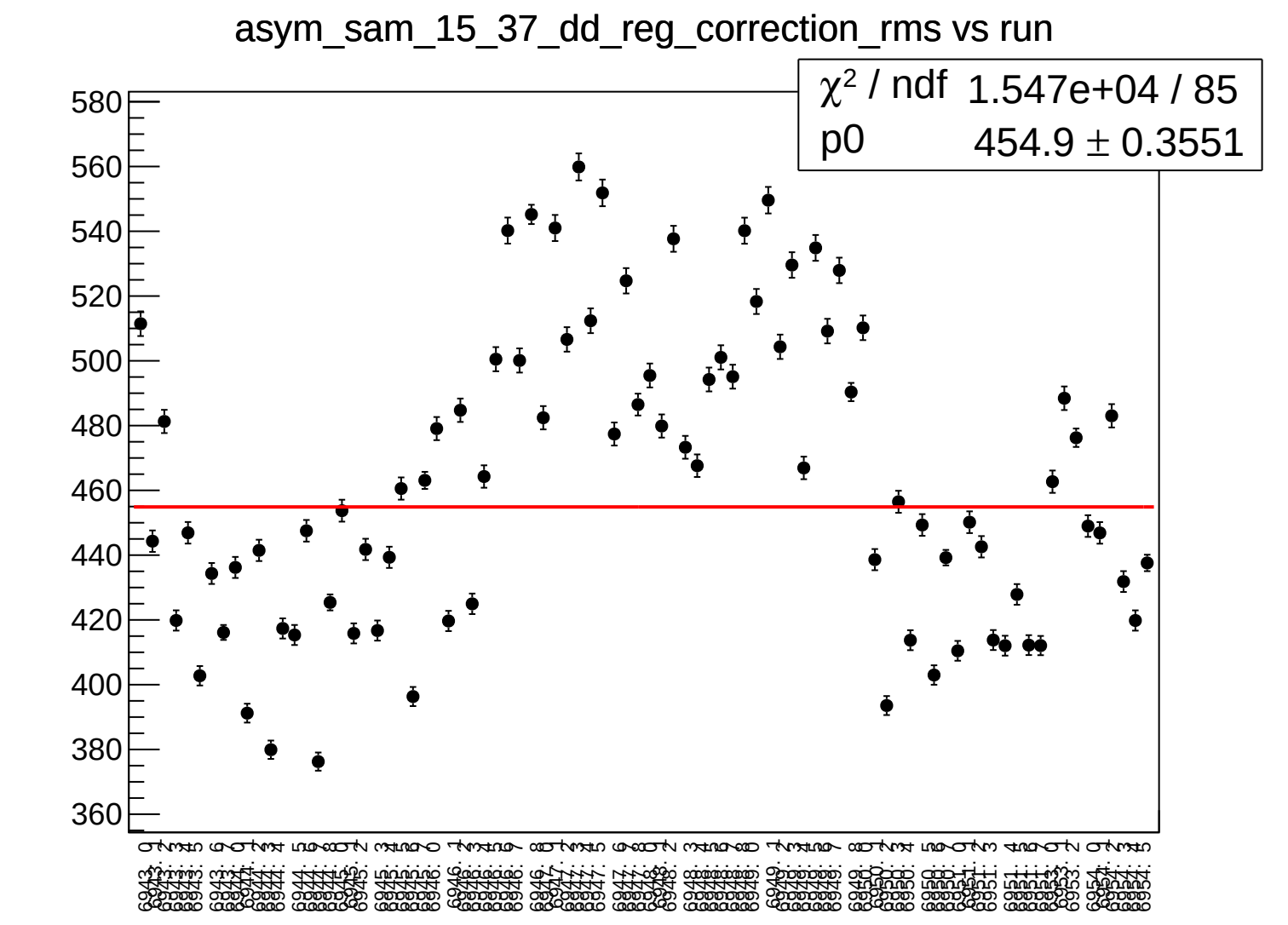

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.821e+05 / 85
p0 7.669e−12 ± 7.077e−15
40
35
30
25
20
15
10
5

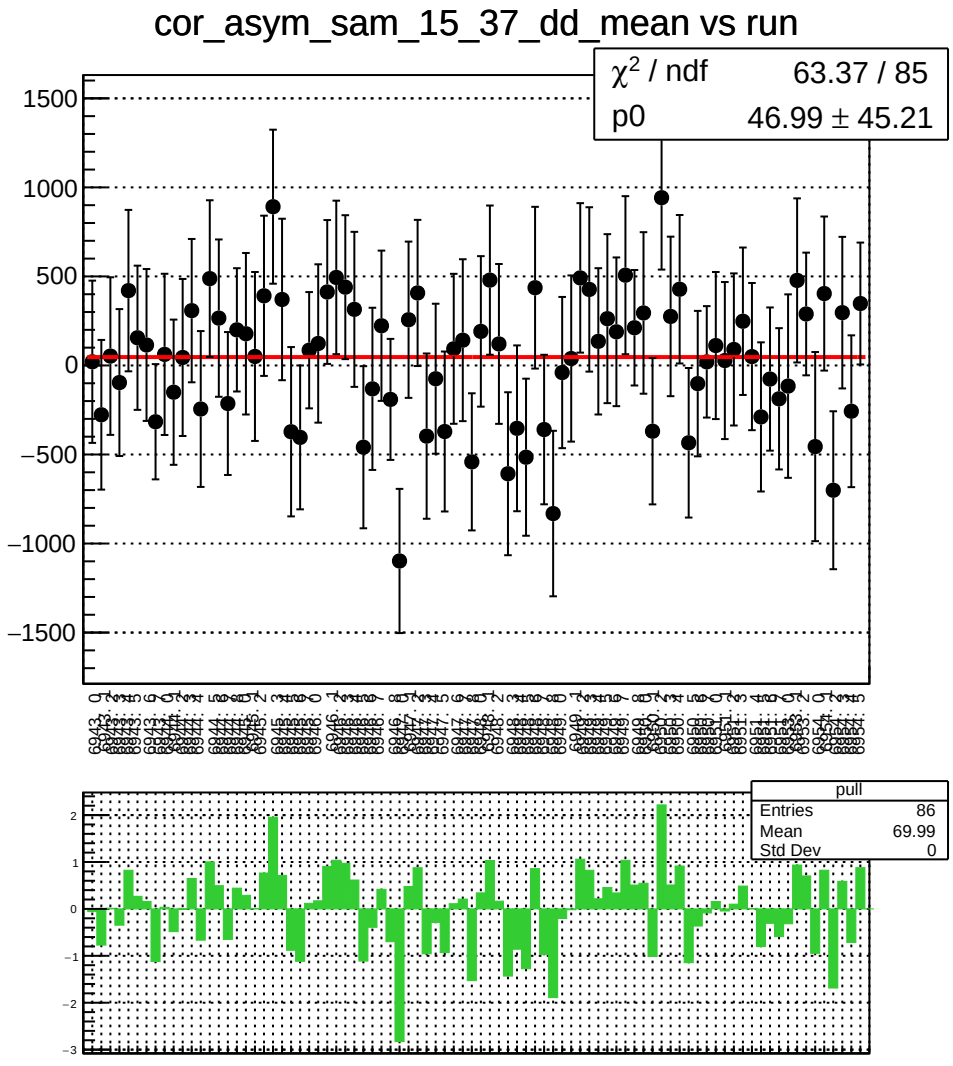

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 63.37 / 85
p0 46.99 ± 45.21
pull
Entries 86
Mean 69.97
Std Dev 0

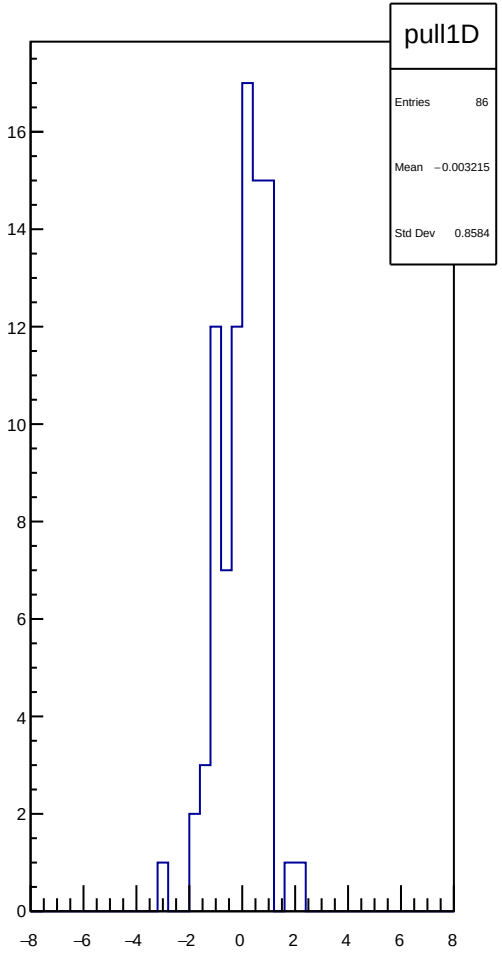

pull1D
Entries 86
Mean −0.003216
Std Dev 0.8584

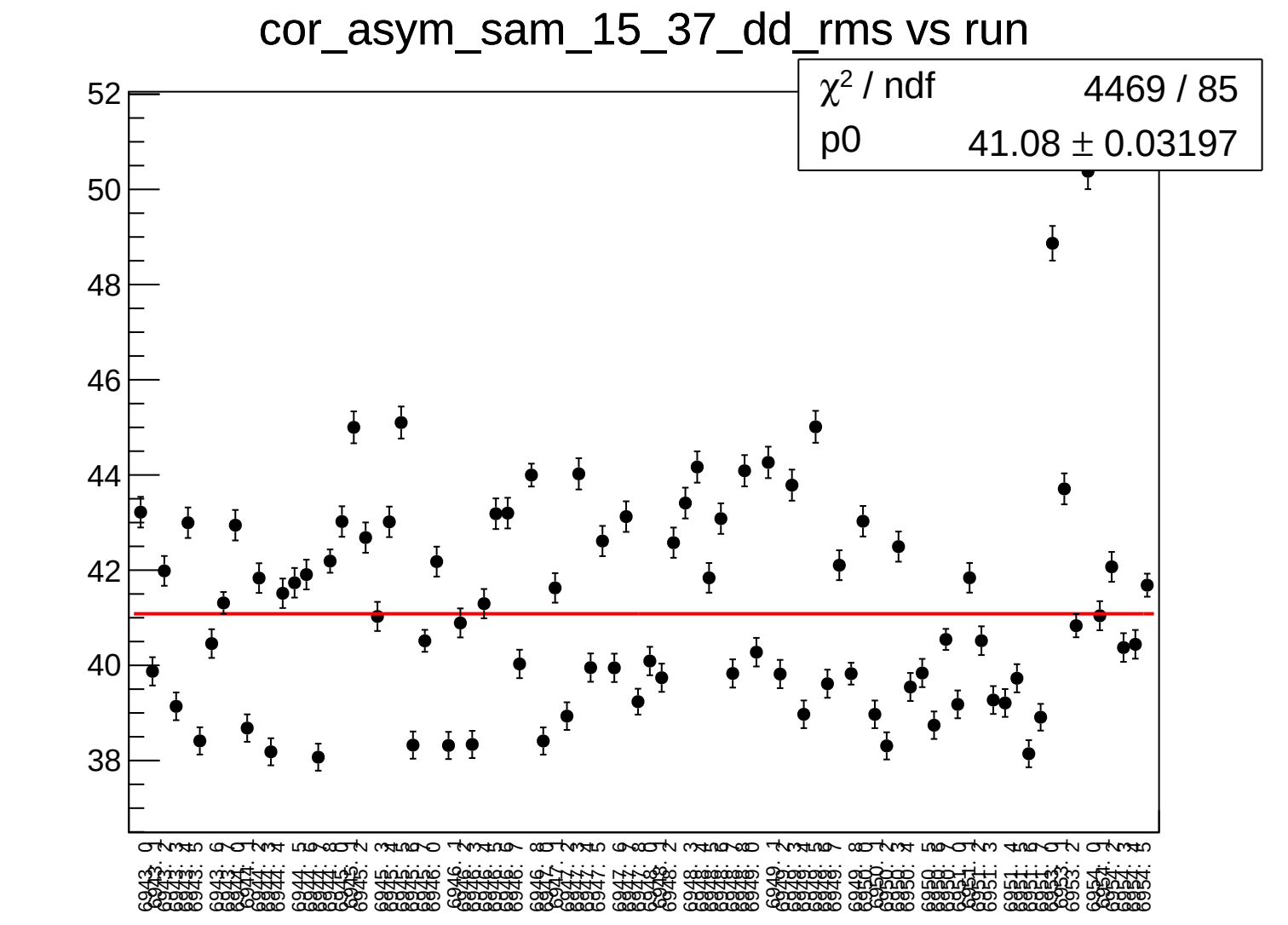

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 4469 / 85
p0 41.08 ± 0.03197
52
50
48
46
44
42
40
38

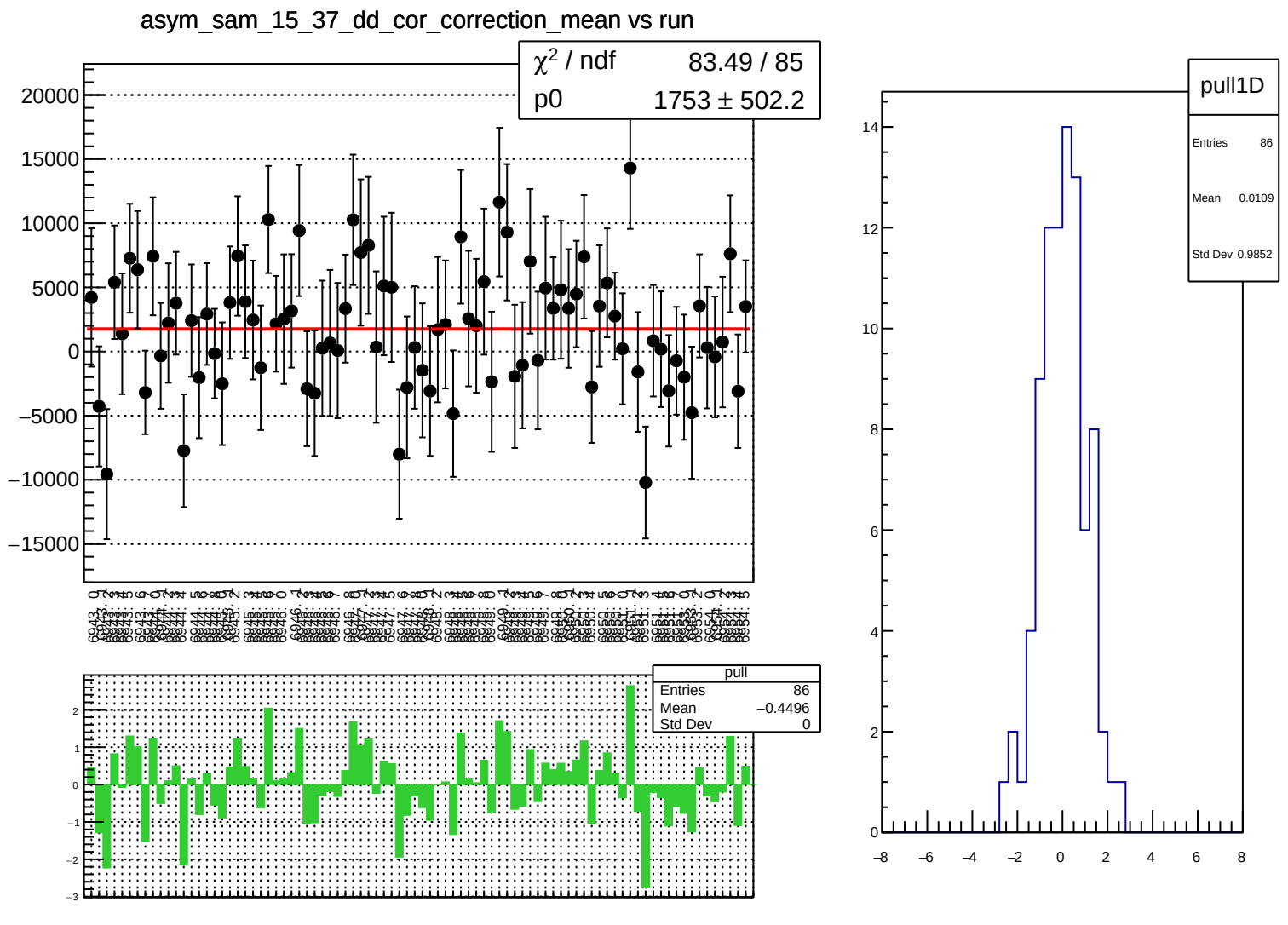

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 83.49 / 85
p0 1753 ± 502.2
pull
Entries 86
Mean −0.4532
Std Dev 0
pull1D
Entries 86
Mean 0.0109
Std Dev 0.9852

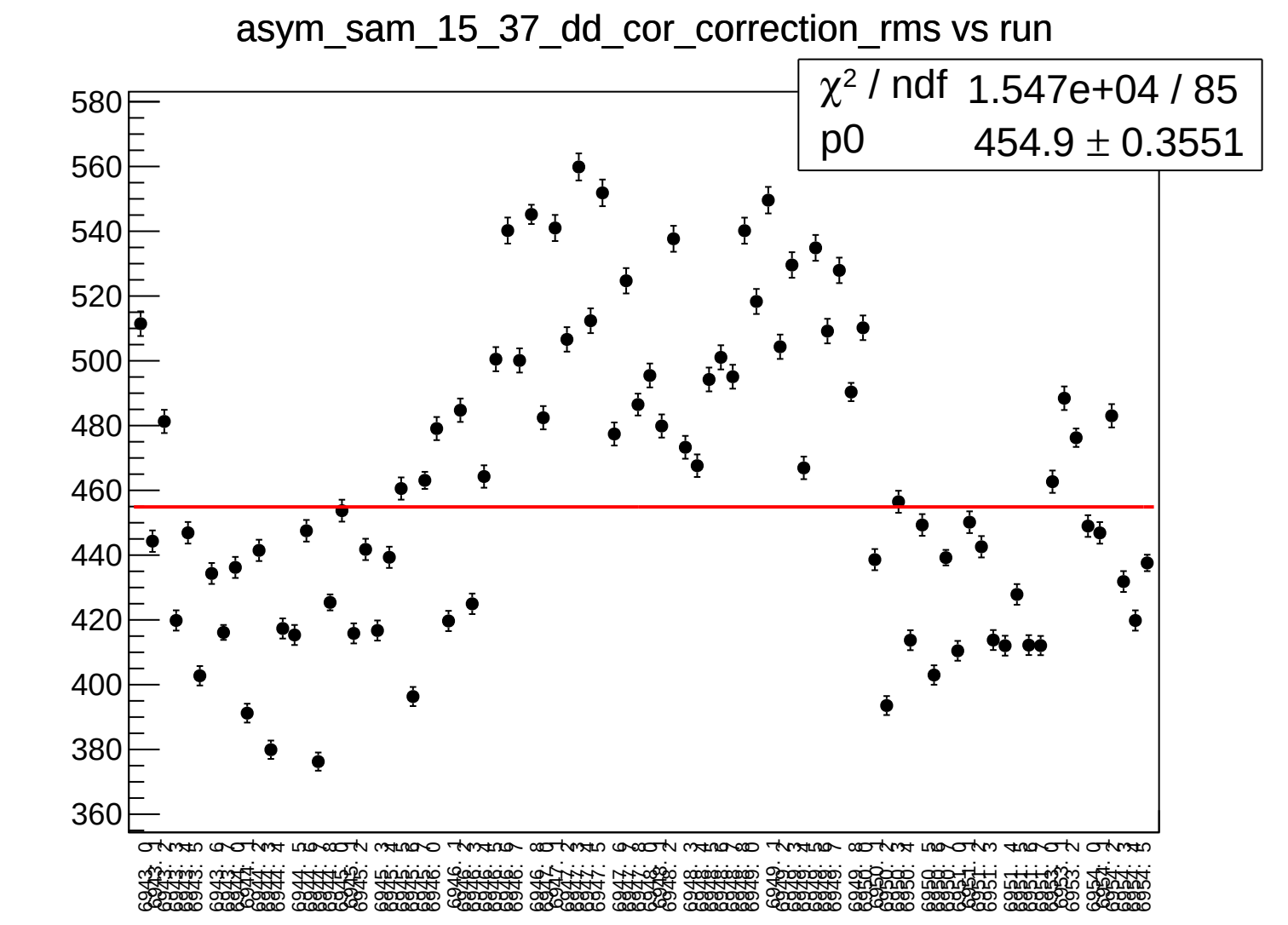

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 1.547e+04 / 85
p0 454.9 ± 0.3551
580
560
540
520
500
480
460
440
420
400
380
360

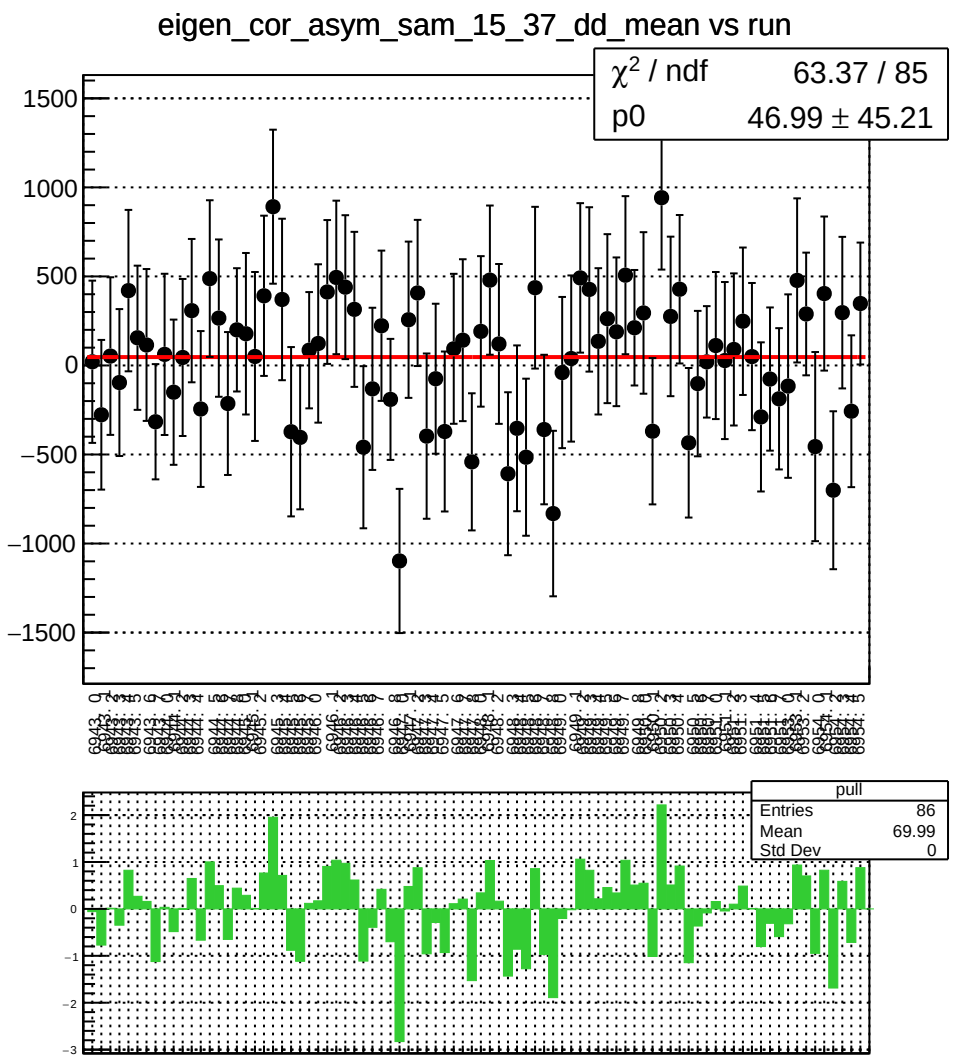

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 63.37 / 85
p0 46.99 ± 45.21
pull
Entries 86
Mean 69.99
Std Dev 0

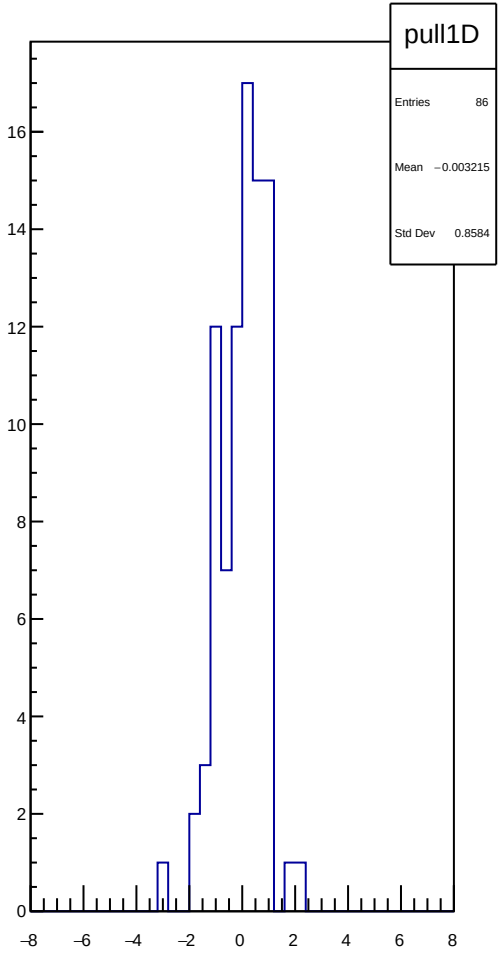

pull1D
Entries 86
Mean −0.003215
Std Dev 0.8584

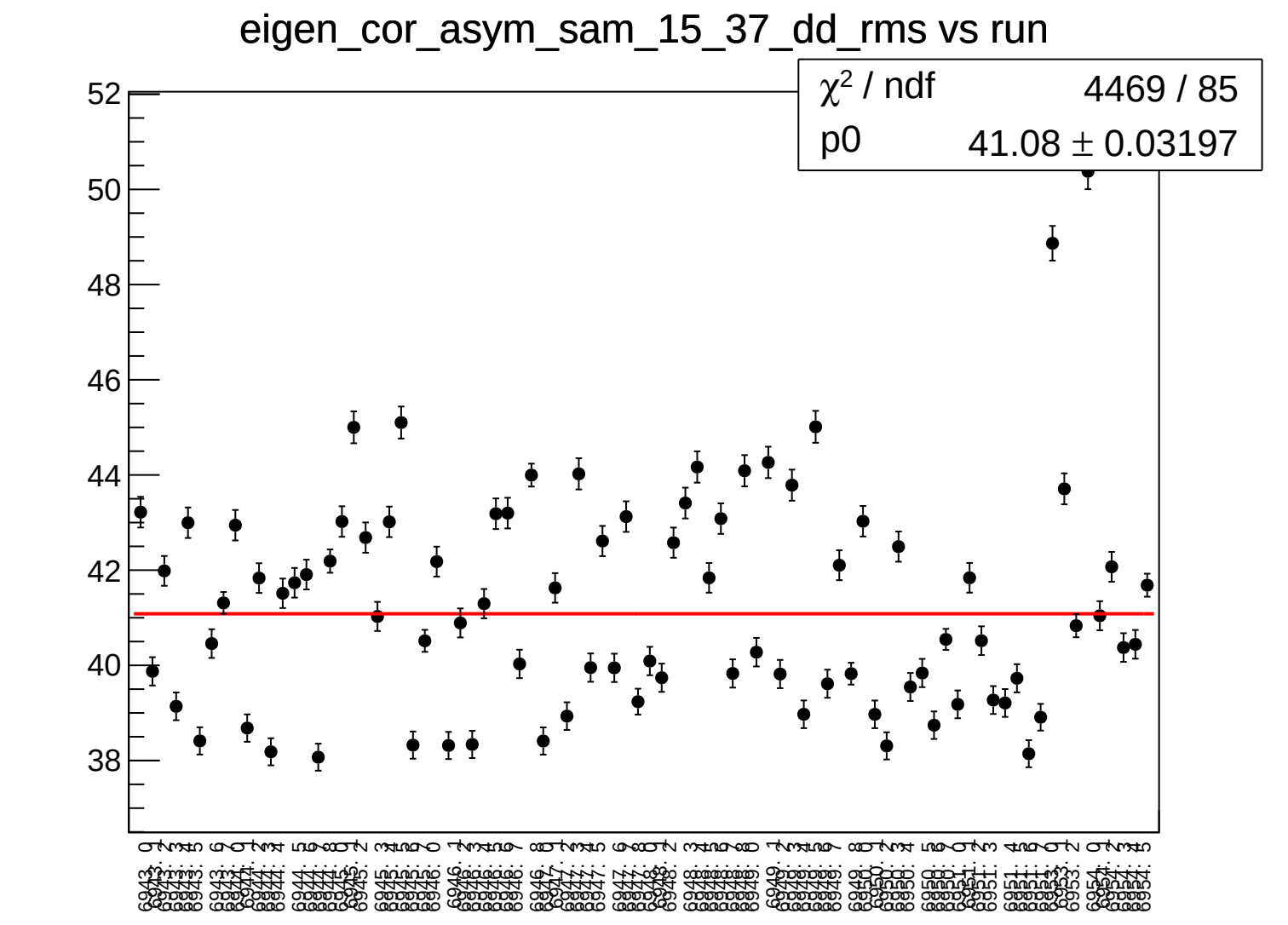

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4469 / 85
p0 41.08 ± 0.03197
52
50
48
46
44
42
40
38

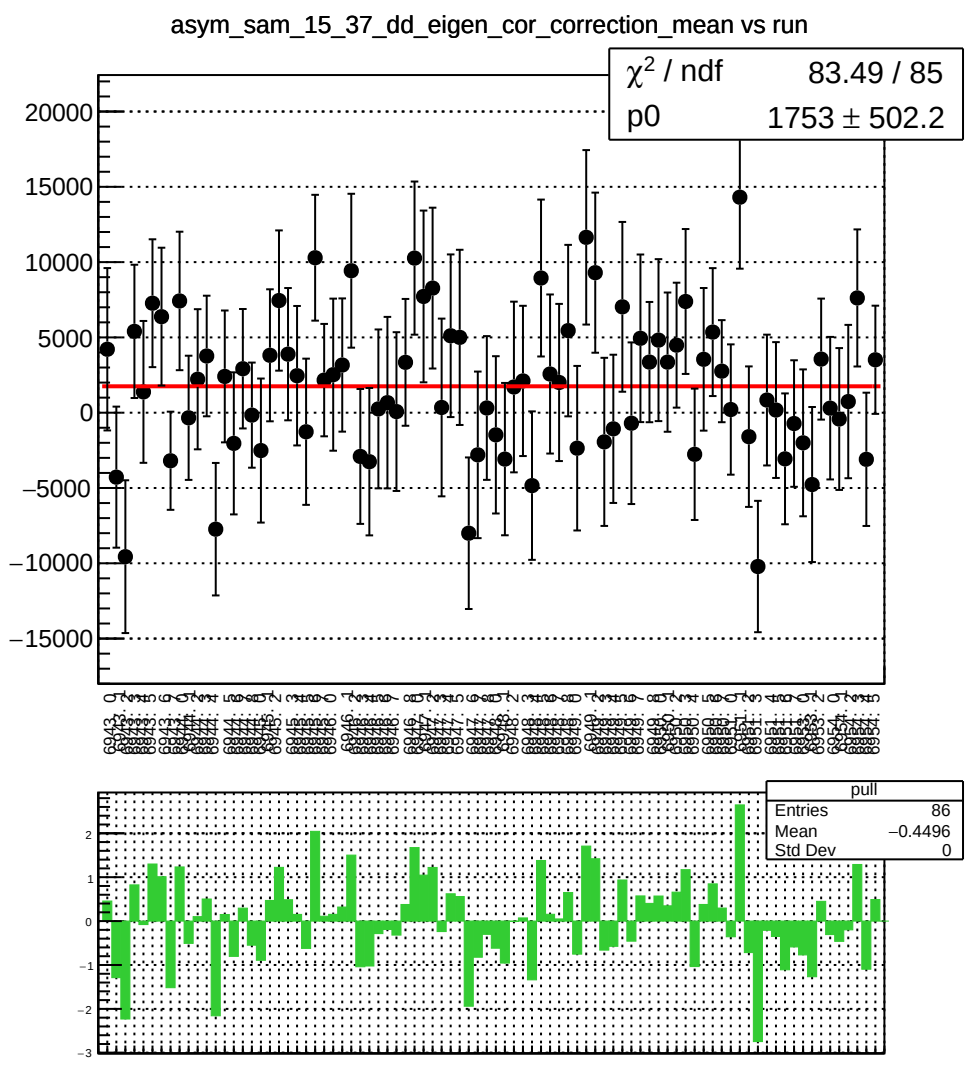

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 83.49 / 85
p0 1753 ± 502.2
pull
Entries 86
Mean −0.4496
Std Dev 0
pull1D
Entries 86
Mean 0.0109
Std Dev 0.9852

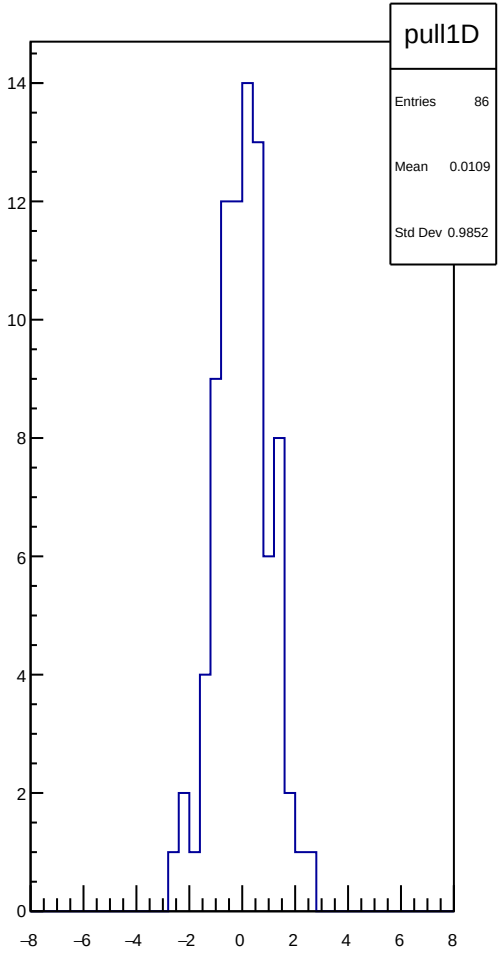

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 1.547e+04 / 85
p0 454.9 ± 0.3551
580
560
540
520
500
480
460
440
420
400
380
360

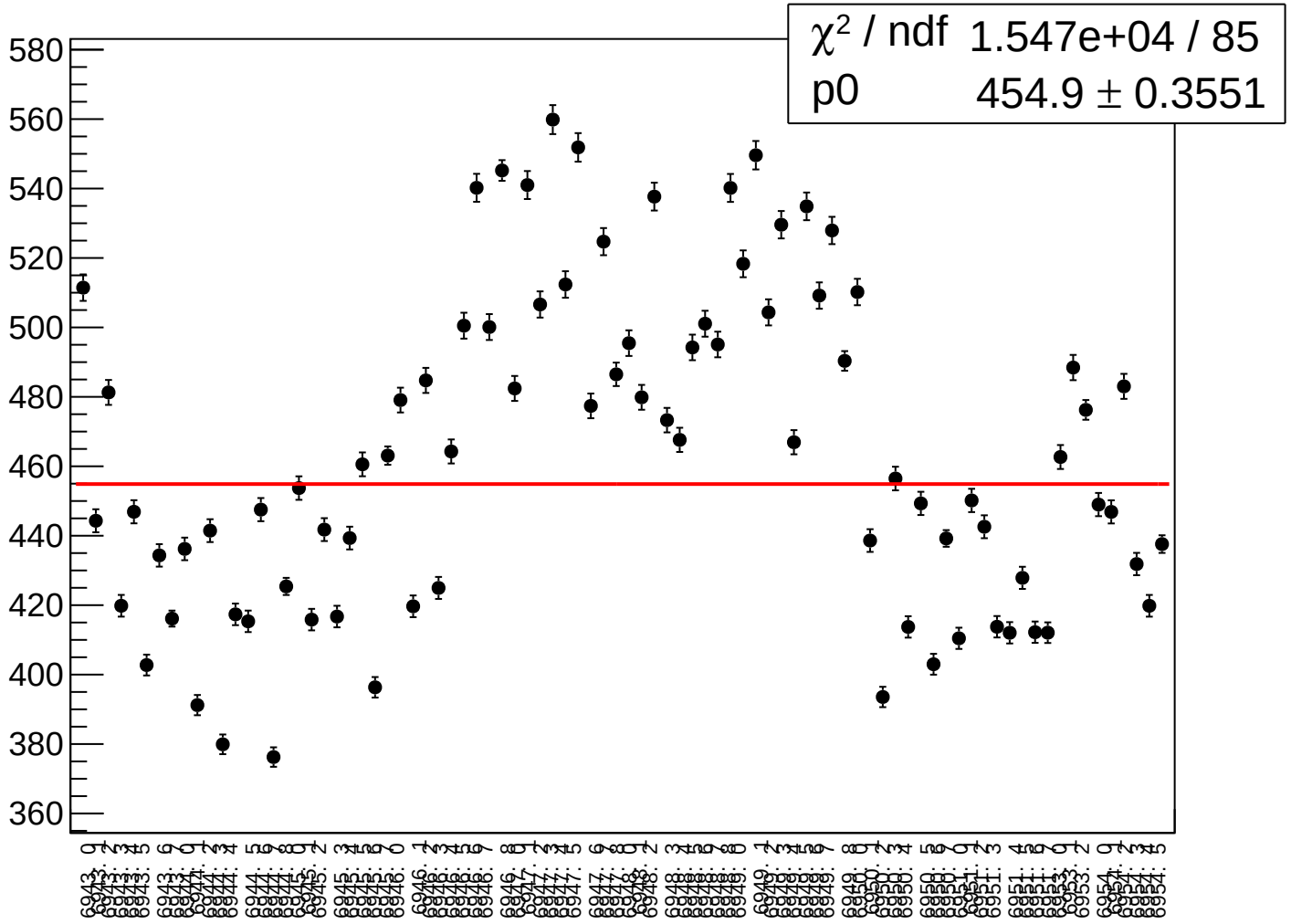

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 63.37 / 85
p0 46.99 ± 45.21
pull
Entries 86
Mean 69.99
Std Dev 0

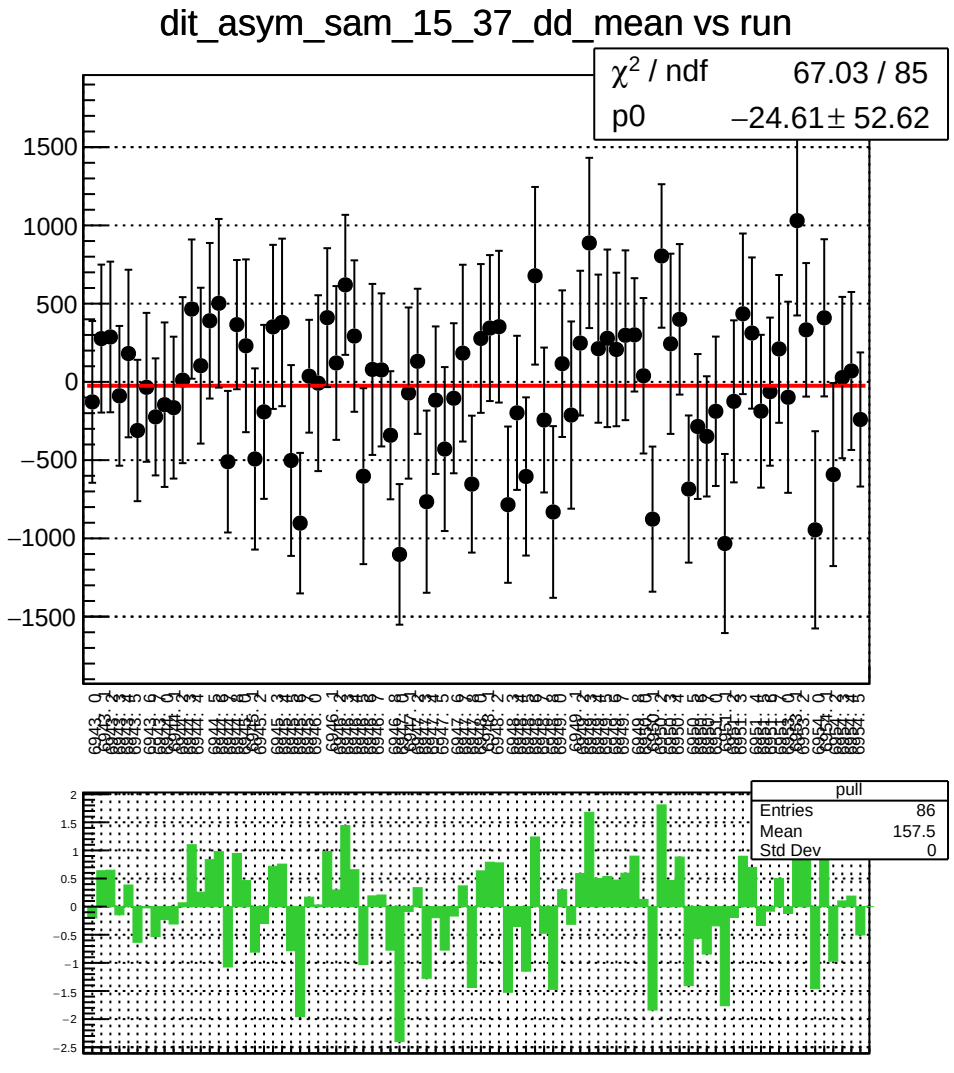

pull1D
Entries 86
Mean −0.003215
Std Dev 0.8584

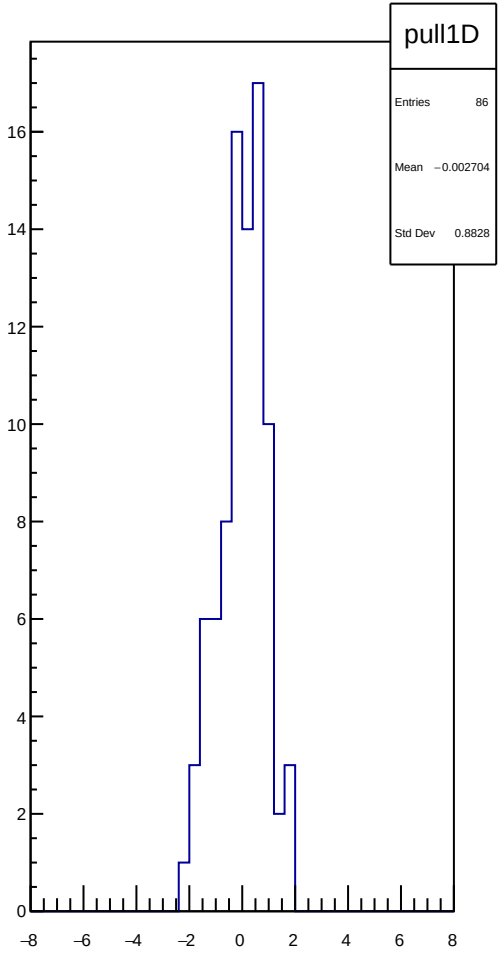

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4469 / 85
p0 41.08 ± 0.03197
52
50
48
46
44
42
40
38

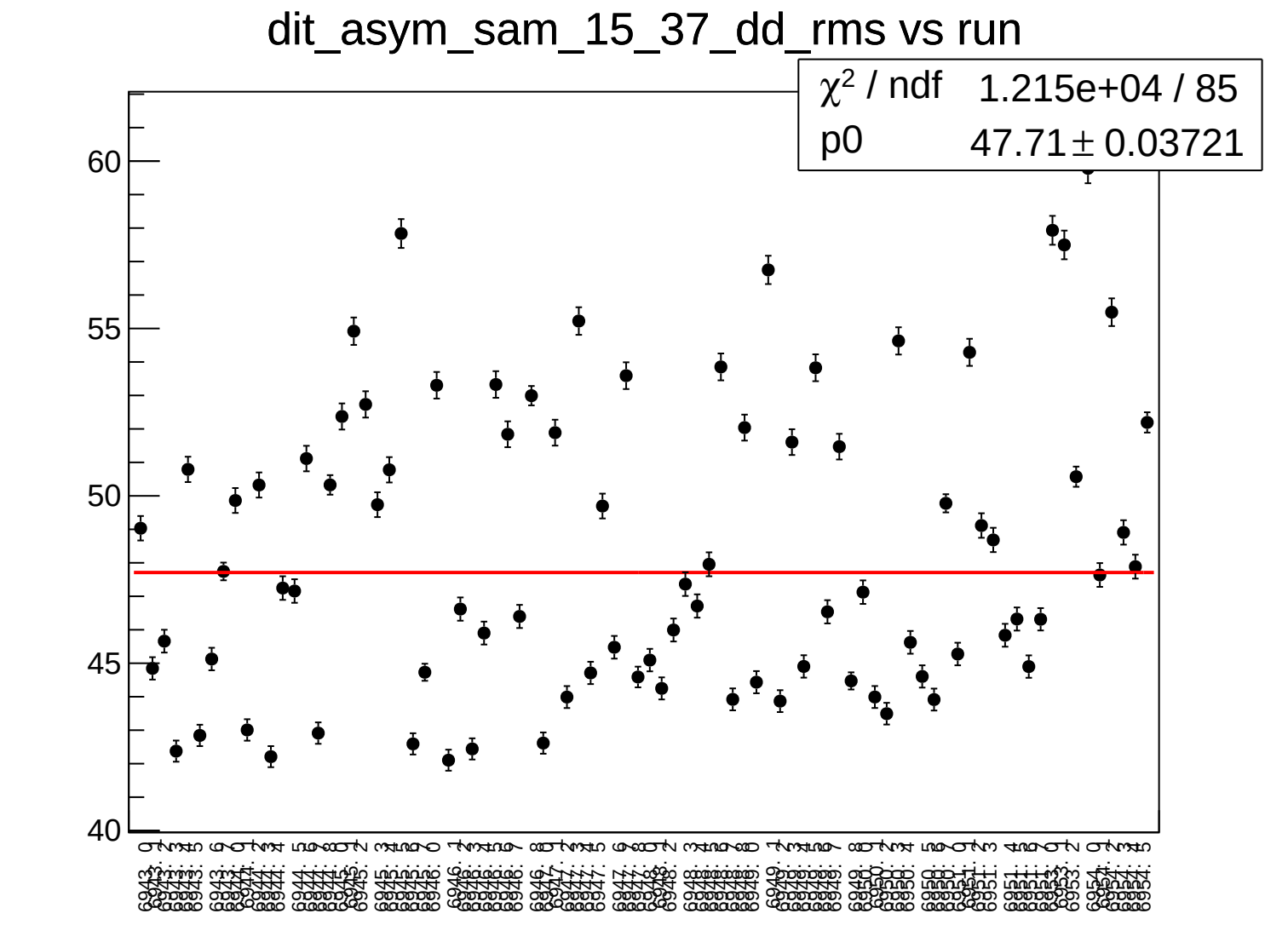

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.49 / 85
p0 1753 ± 502.2
pull
Entries 86
Mean −0.4496
Std Dev 0

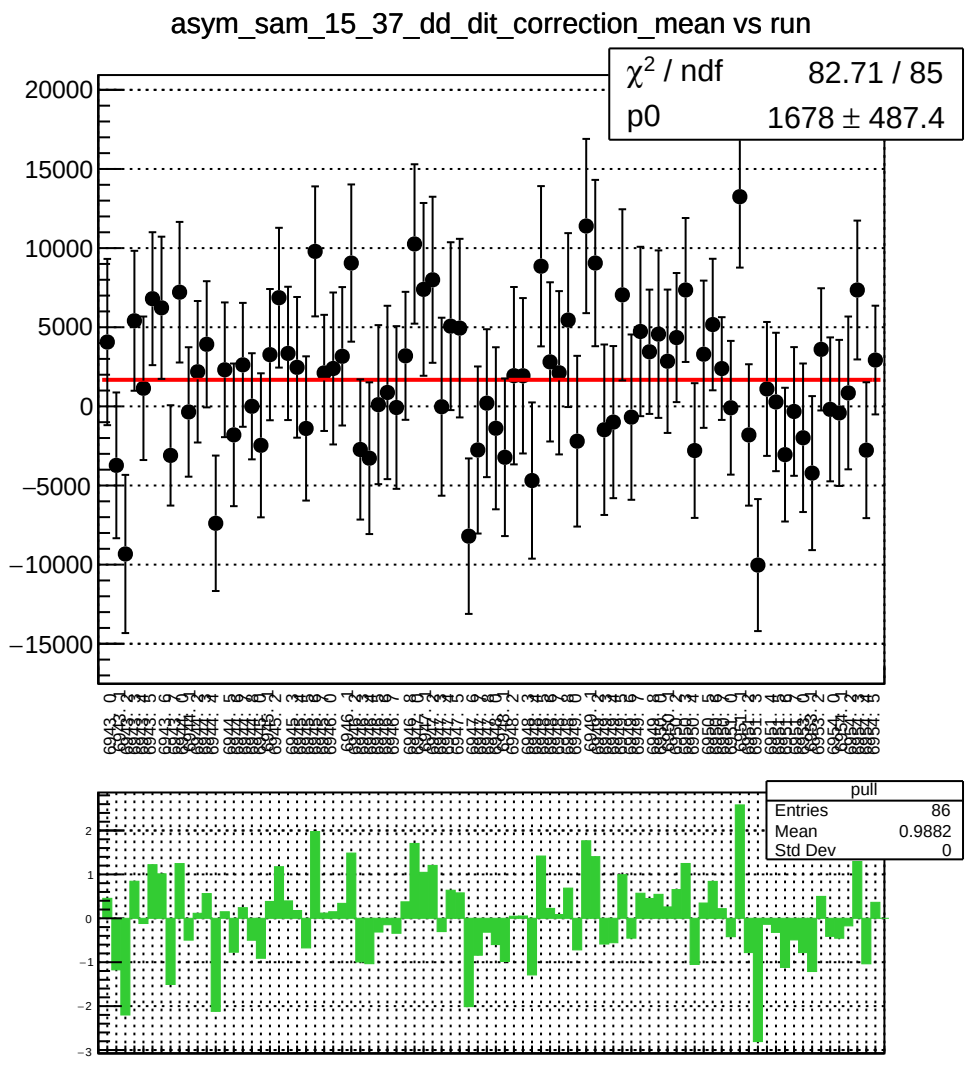

pull1D
Entries 86
Mean 0.0109
Std Dev 0.9852

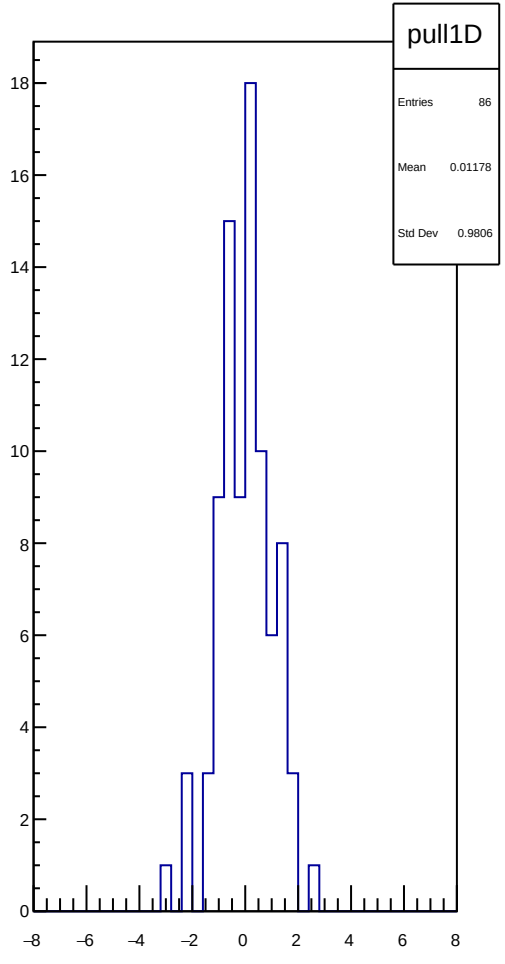

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.547e+04 / 85
p0 454.9 ± 0.3551
580
560
540
520
500
480
460
440
420
400
380
360

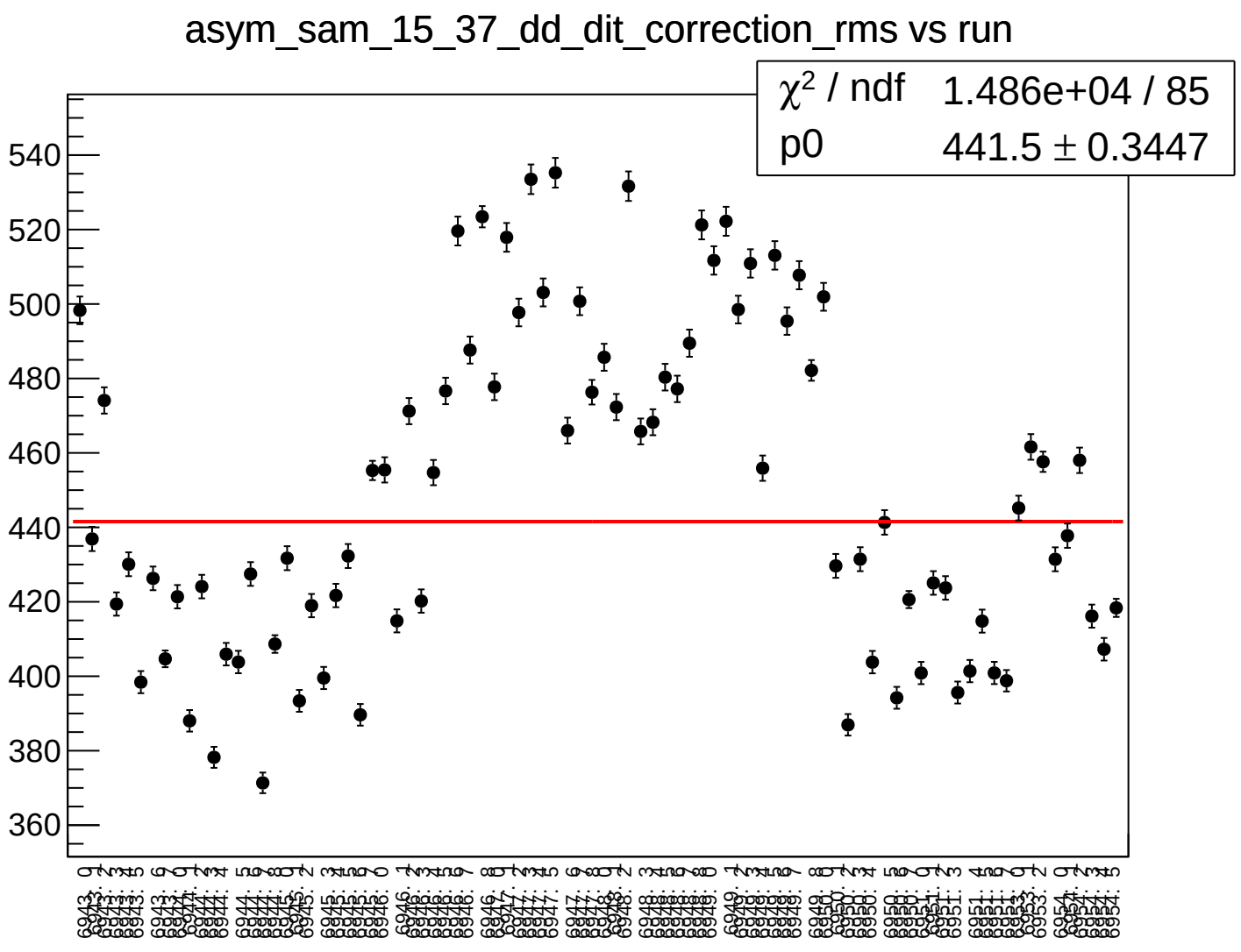

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 67.03 / 85
p0 −24.61 ± 52.62
1500
1000
500
0
−500
−1000
−1500
pull
Entries 86
Mean 157.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

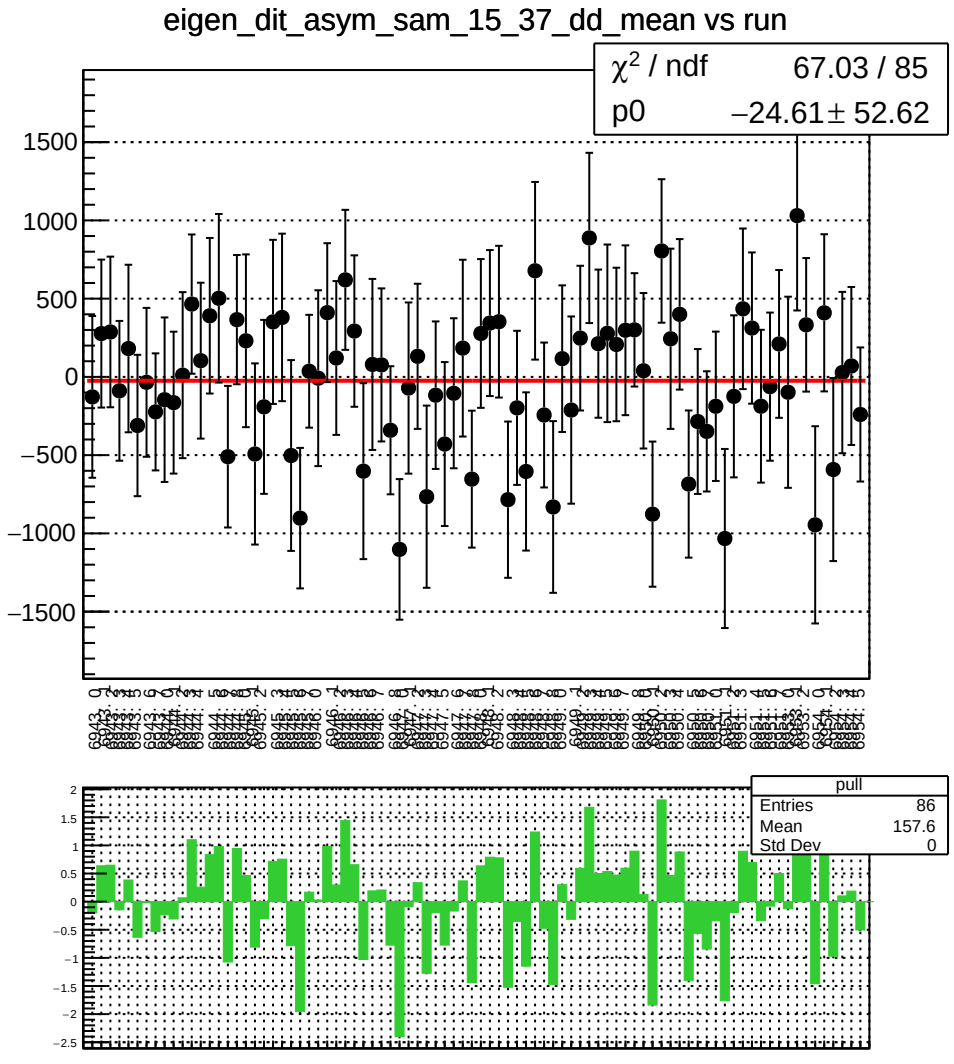

pull1D
Entries 86
Mean −0.002704
Std Dev 0.8828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

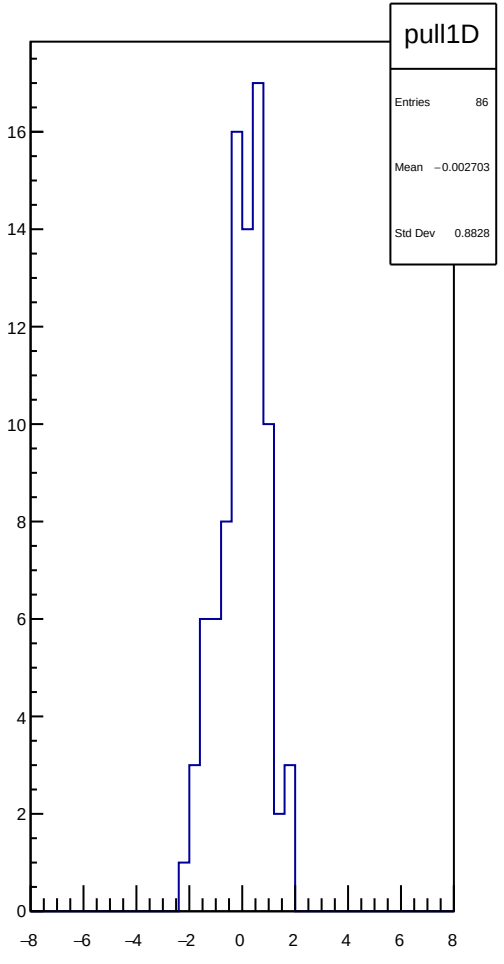

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.215e+04 / 85
p0 47.71 ± 0.03721
60
55
50
45
40

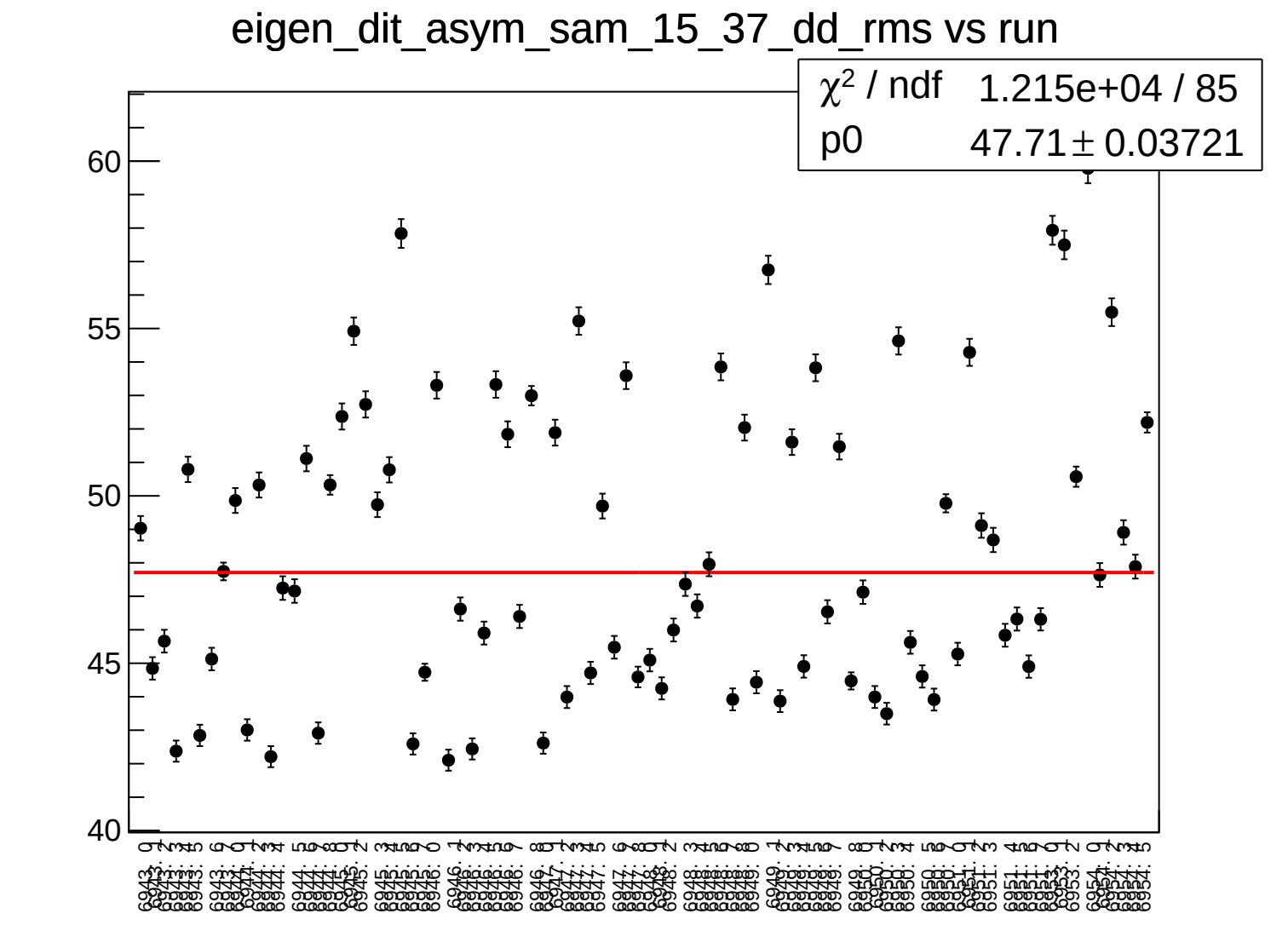

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 82.71 / 85
p0 1678 ± 487.4
pull
Entries 86
Mean 0.9882
Std Dev 0

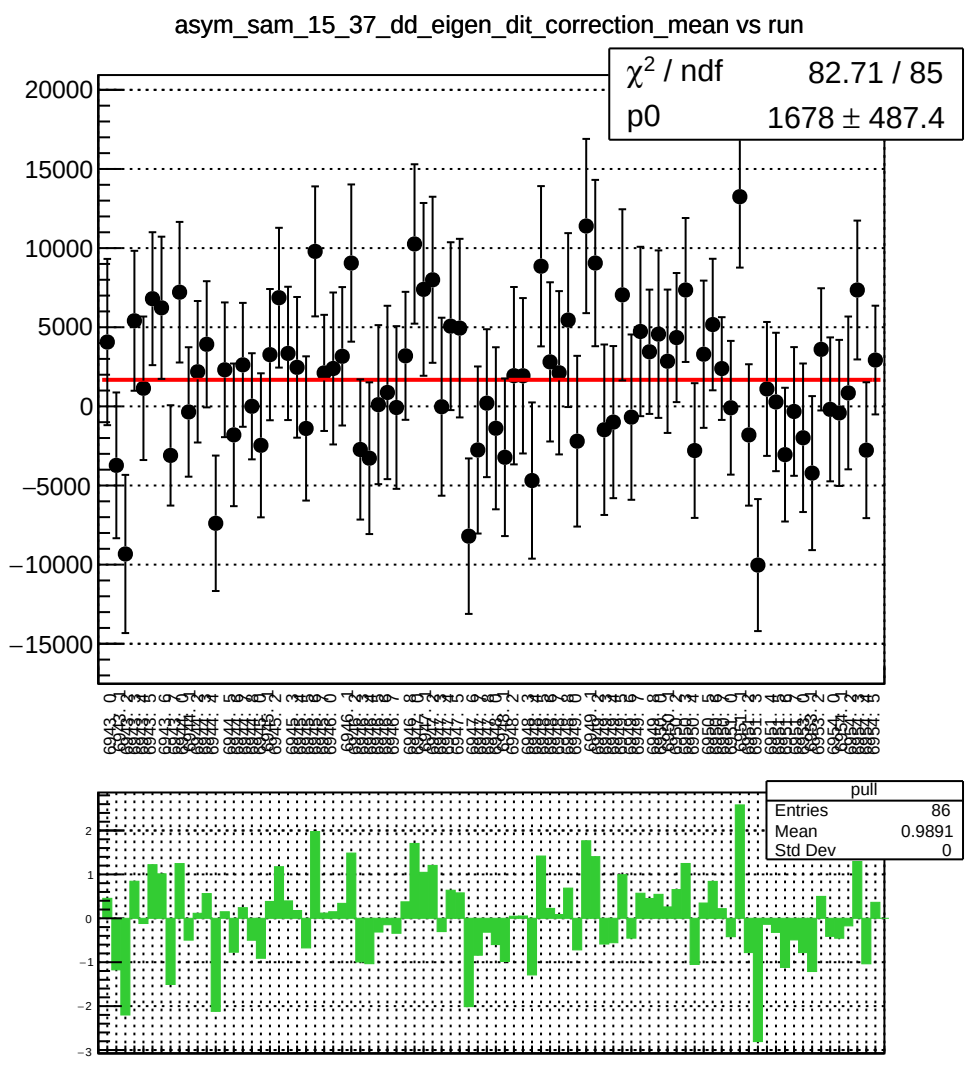

pull1D
Entries 86
Mean 0.01178
Std Dev 0.9806

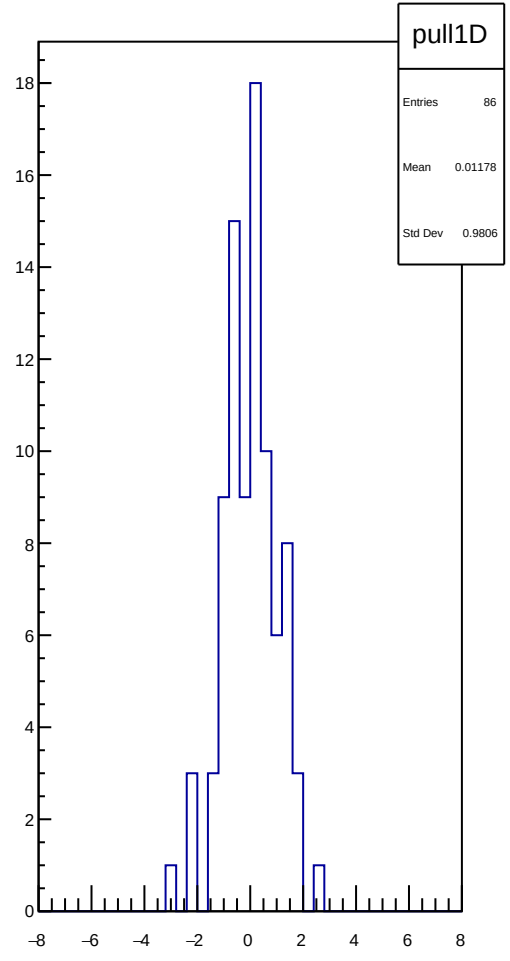

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 1.486e+04 / 85
p0 441.5 ± 0.3447
540
520
500
480
460
440
420
400
380
360

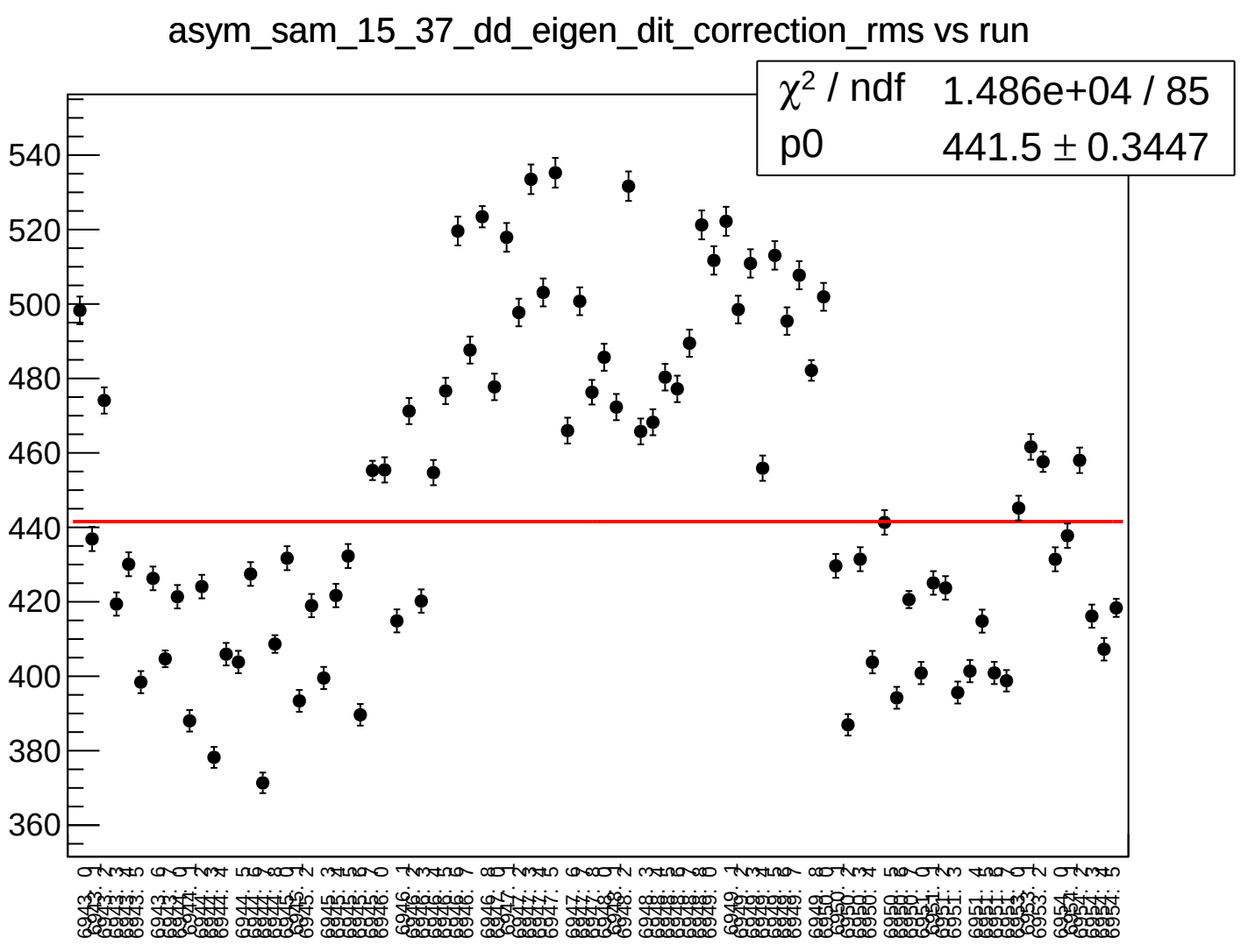

eigen_dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 67.03 / 85
p0 −24.61 ± 52.62
pull
Entries 86
Mean 157.6
Std Dev 0

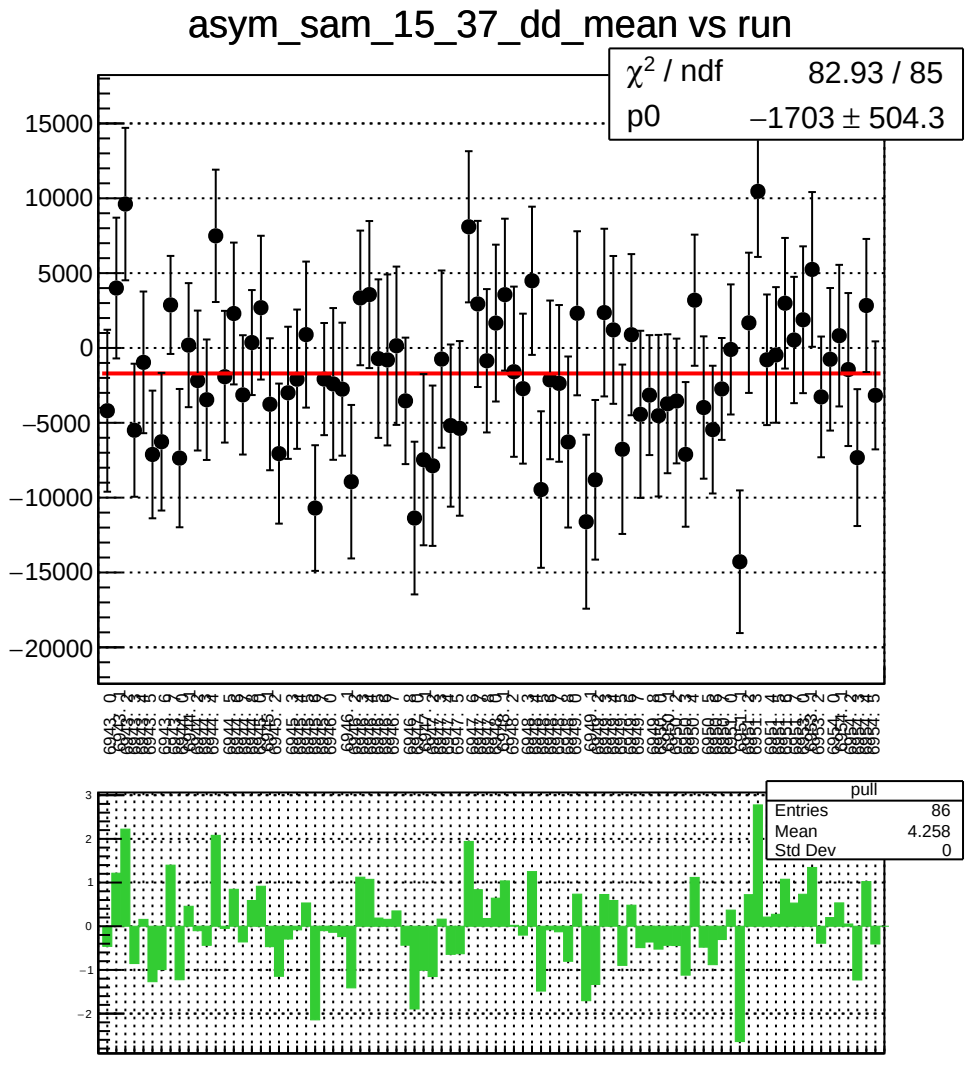

pull1D
Entries 86
Mean −0.002703
Std Dev 0.8828

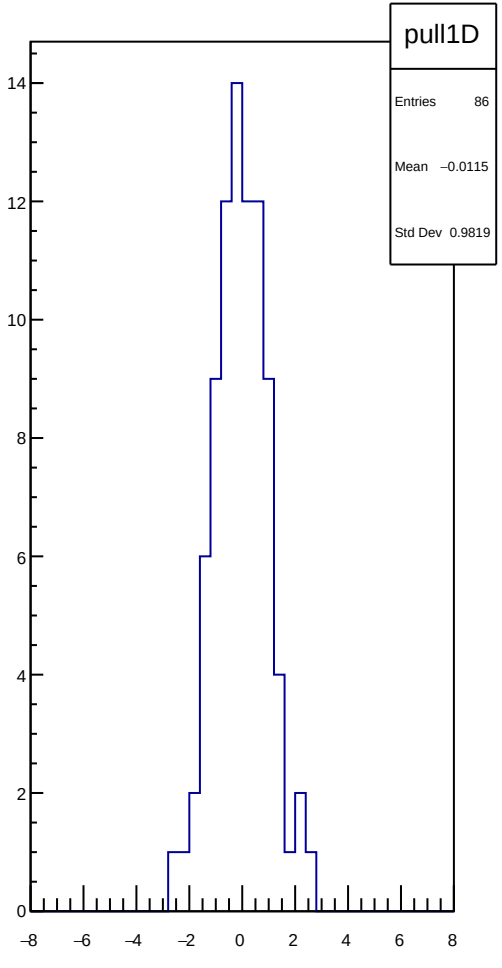

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.215e+04 / 85
p0 47.71 ± 0.03721
60
55
50
45
40

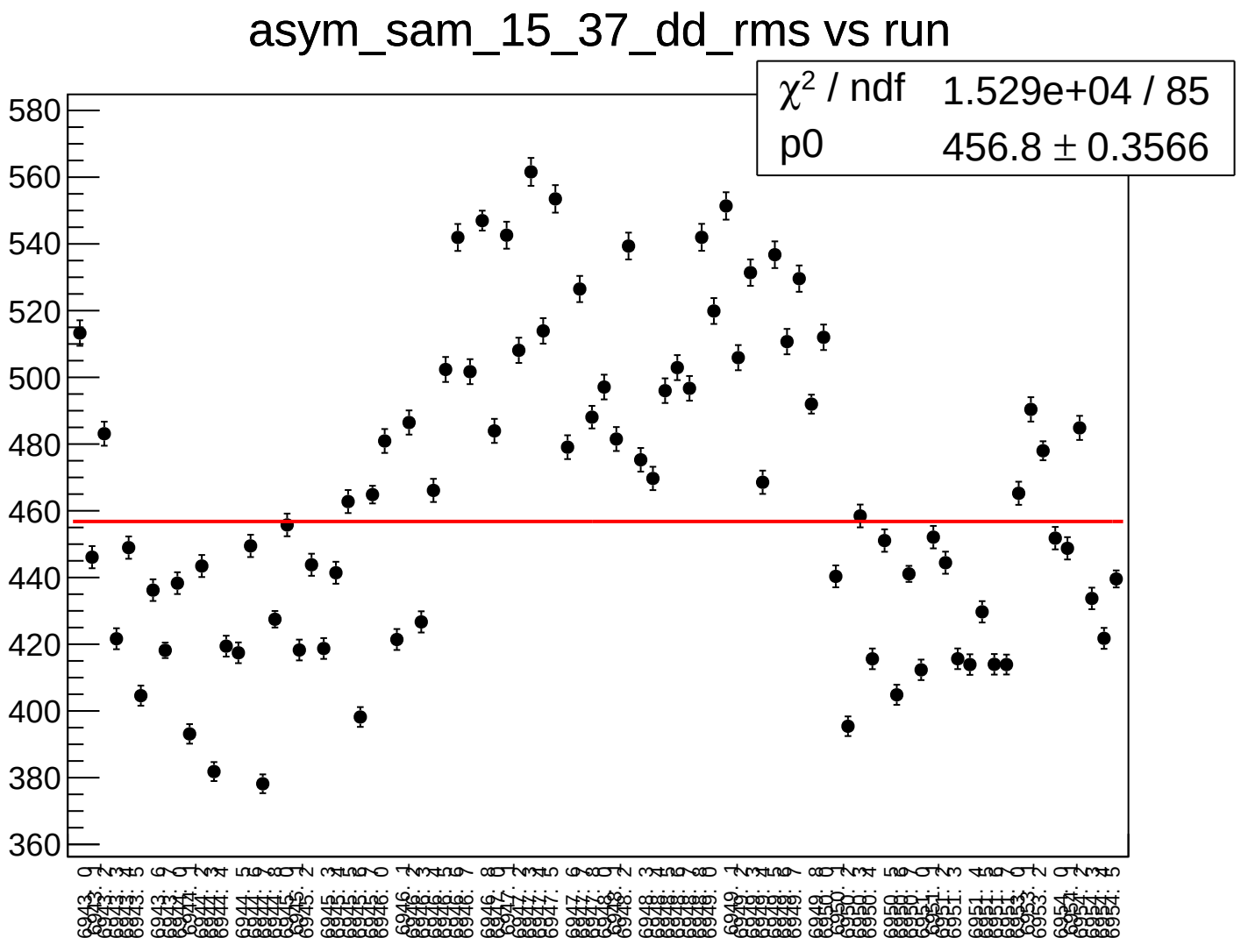

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 82.71 / 85
p0 1678 ± 487.4
pull
Entries 86
Mean 0.9891
Std Dev 0

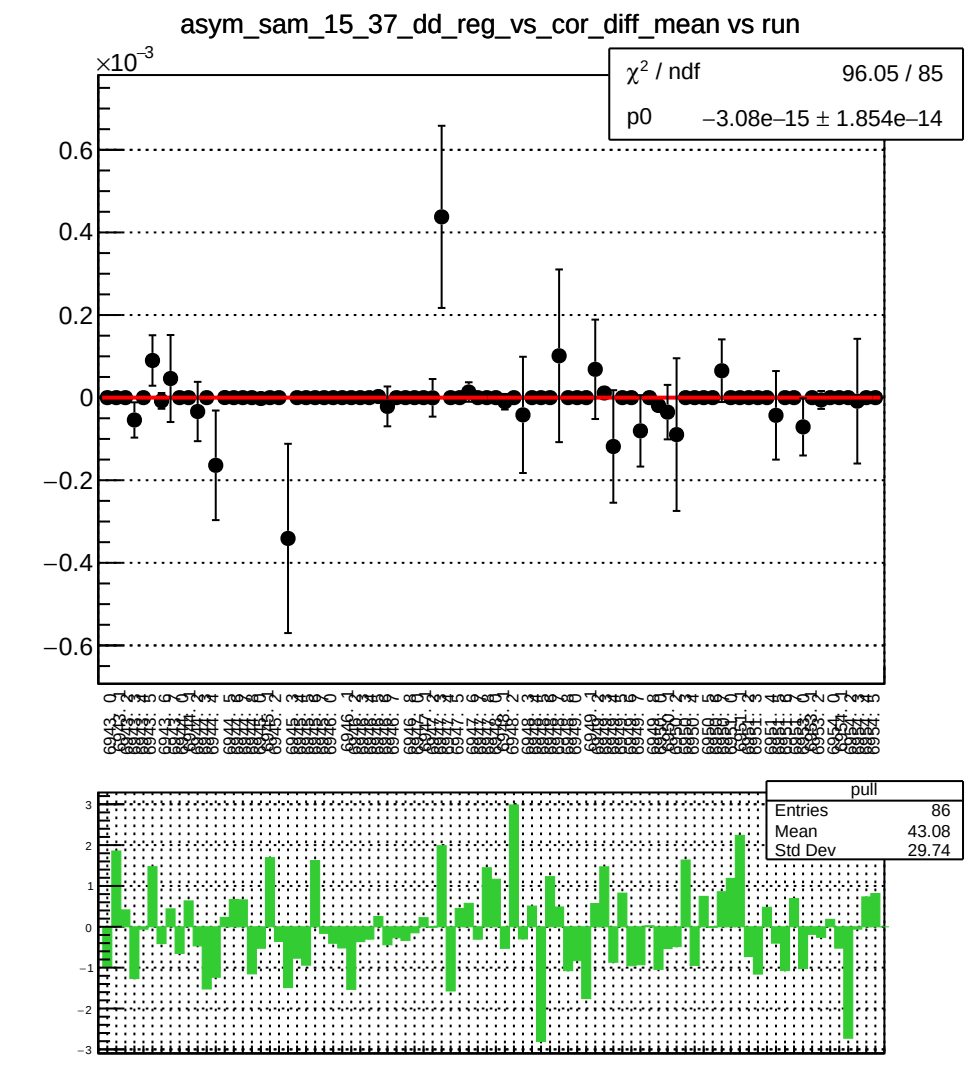

pull1D
Entries 86
Mean 0.01178
Std Dev 0.9806

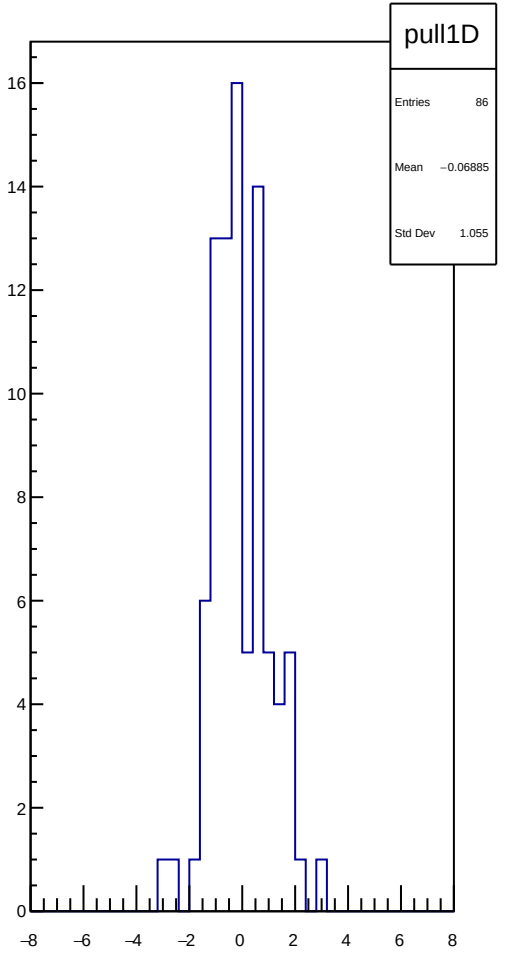

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1.486e+04 / 85
p0 441.5 ± 0.3447
540
520
500
480
460
440
420
400
380
360

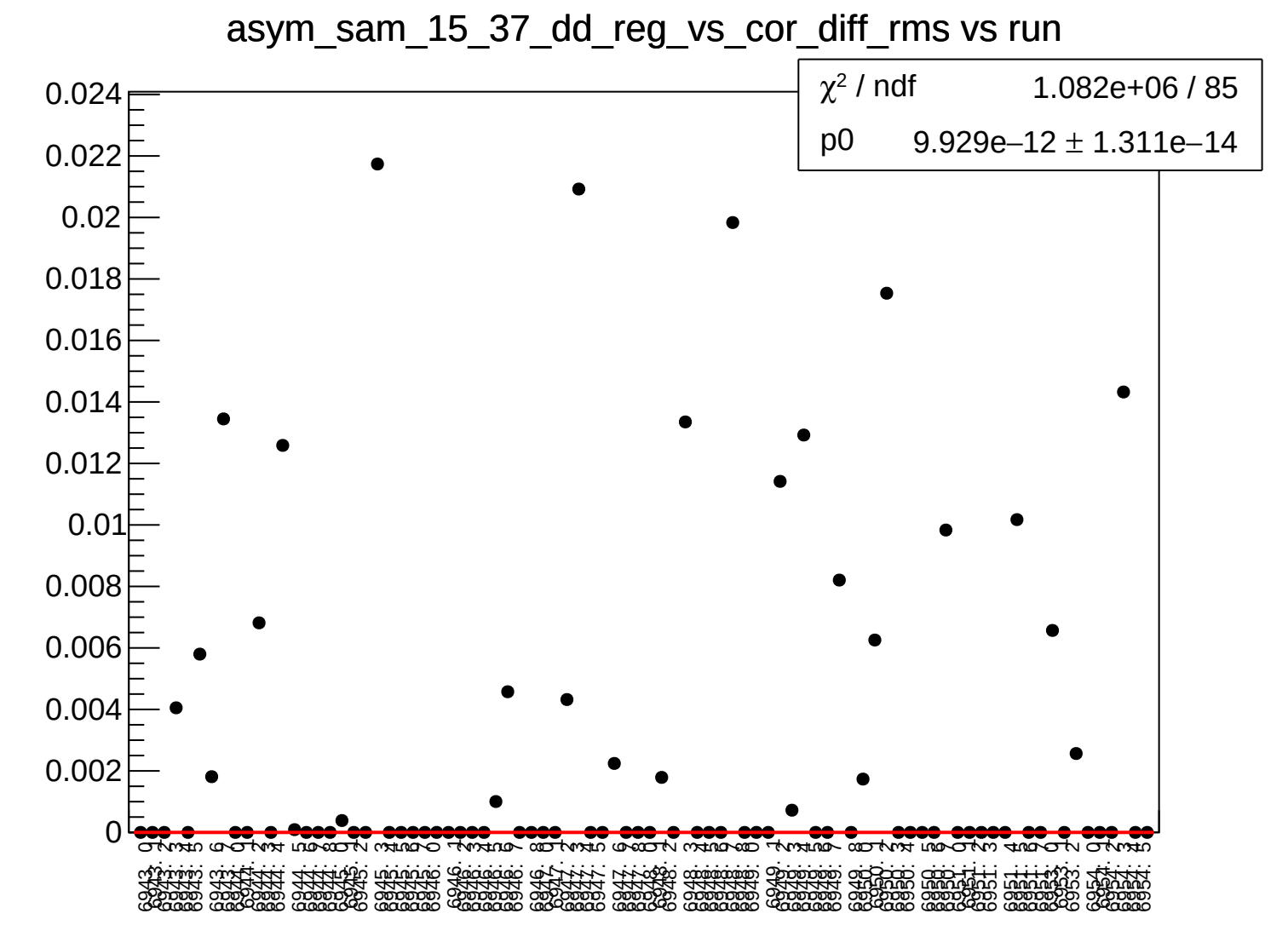

asym_sam_15_37_dd_mean vs run
χ² / ndf 82.93 / 85
p0 −1703 ± 504.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 4.258
Std Dev 0
3
2
1
0
−1
−2

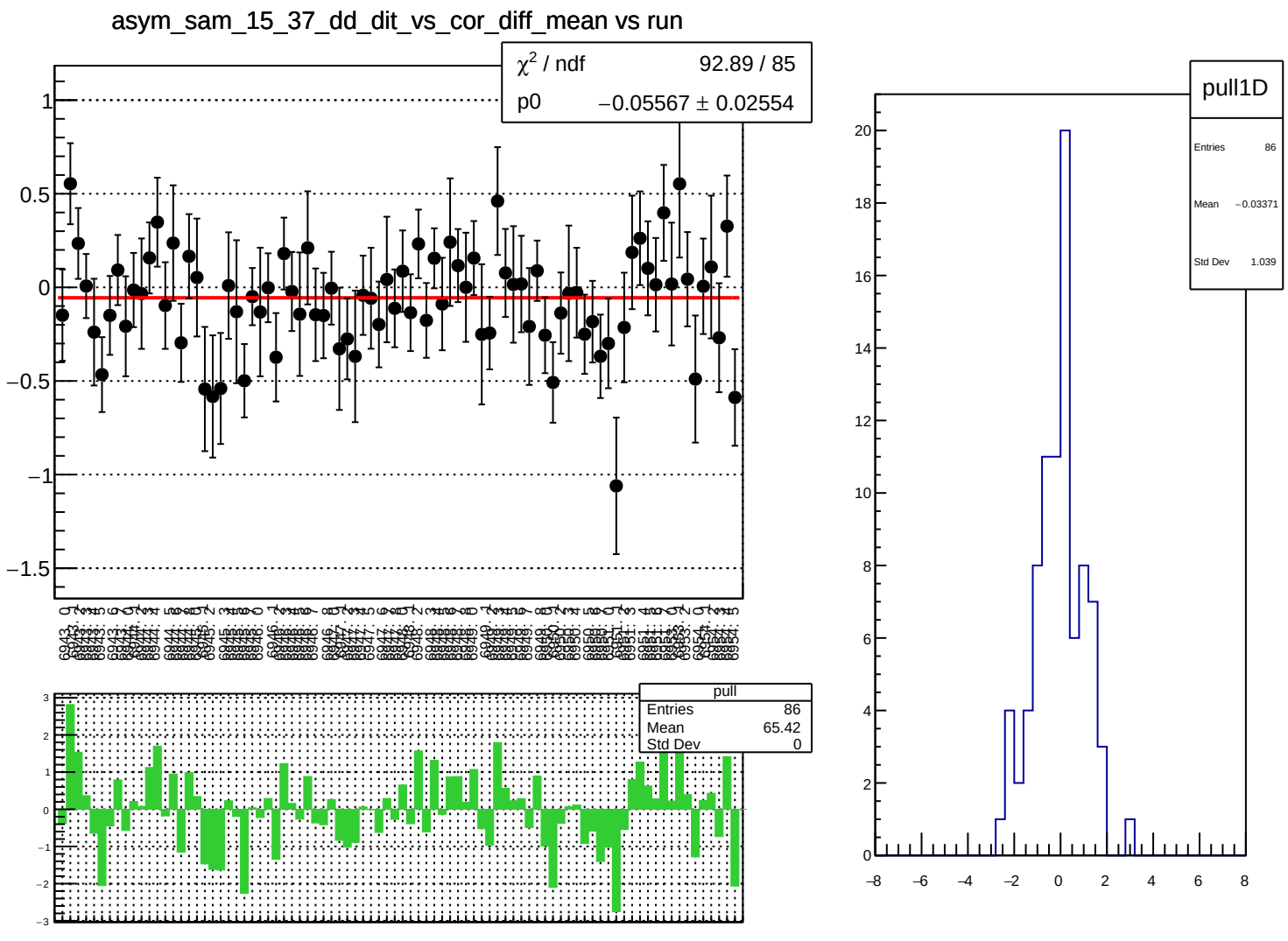

pull1D
Entries 86
Mean −0.0115
Std Dev 0.9819
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

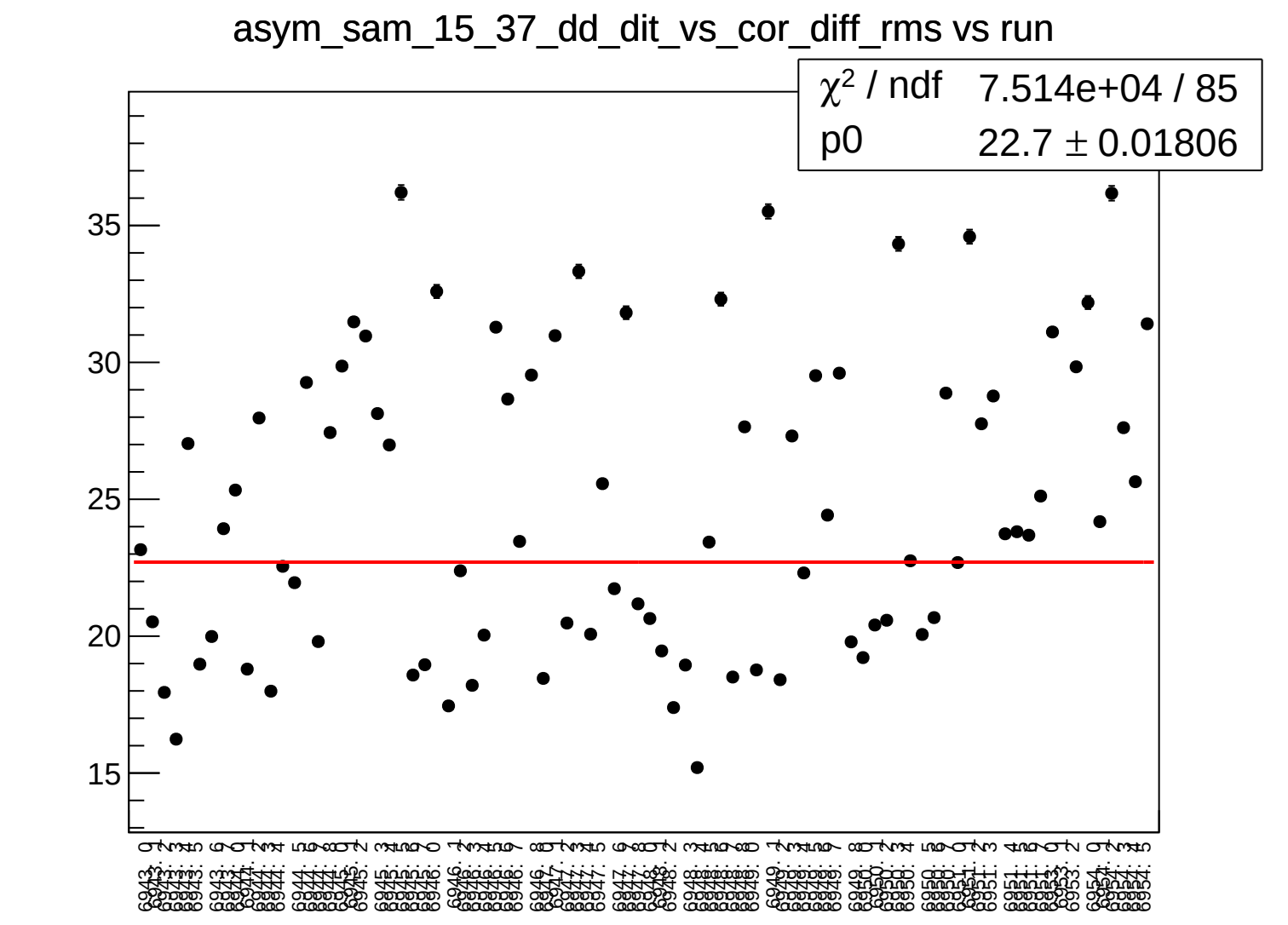

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.529e+04 / 85
p0 456.8 ± 0.3566
580
560
540
520
500
480
460
440
420
400
380
360

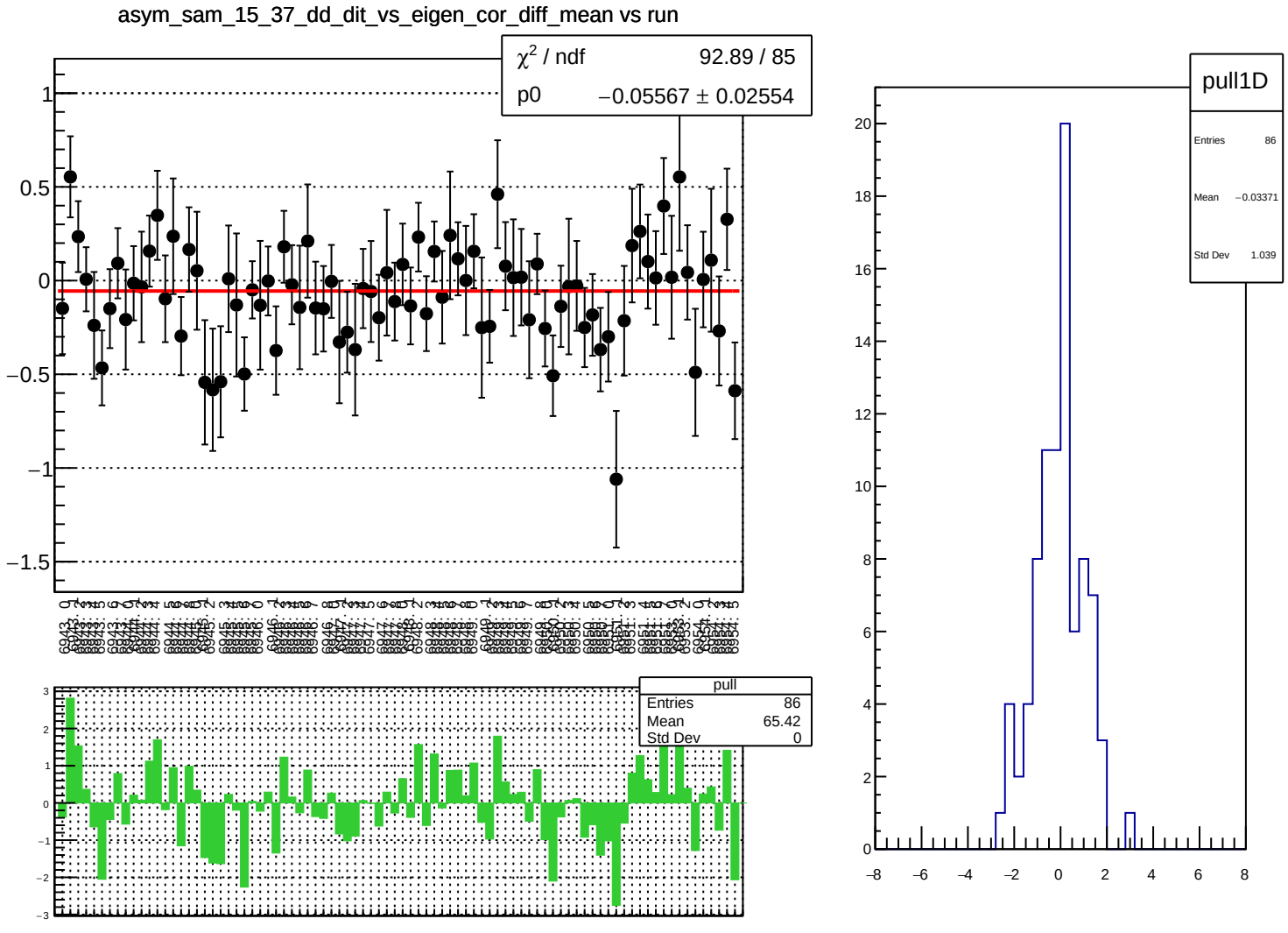

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 96.05 / 85
p0 −3.08e−15 ± 1.854e−14
pull
Entries 86
Mean 43.08
Std Dev 29.74

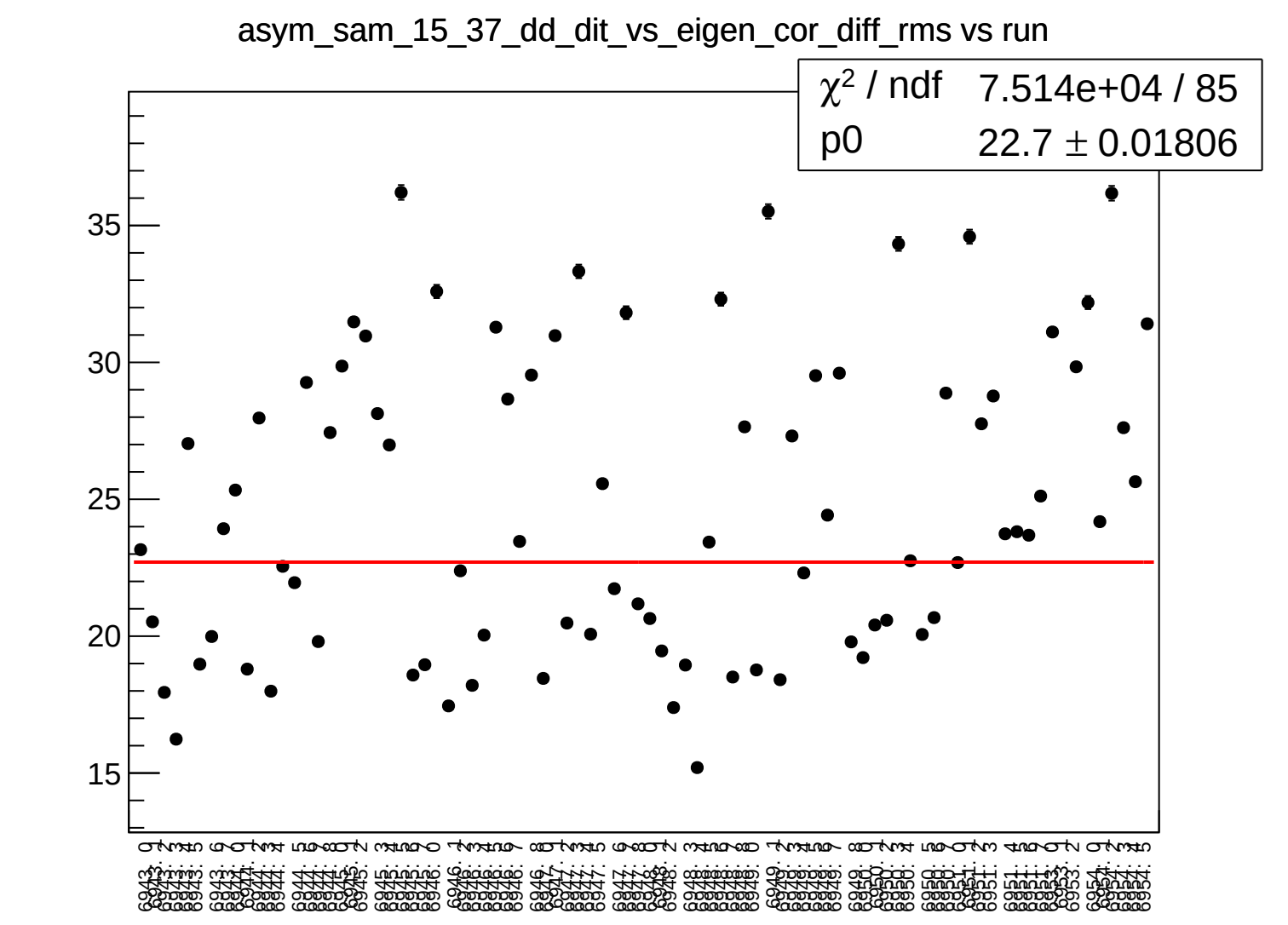

pull1D
Entries 86
Mean −0.06885
Std Dev 1.055

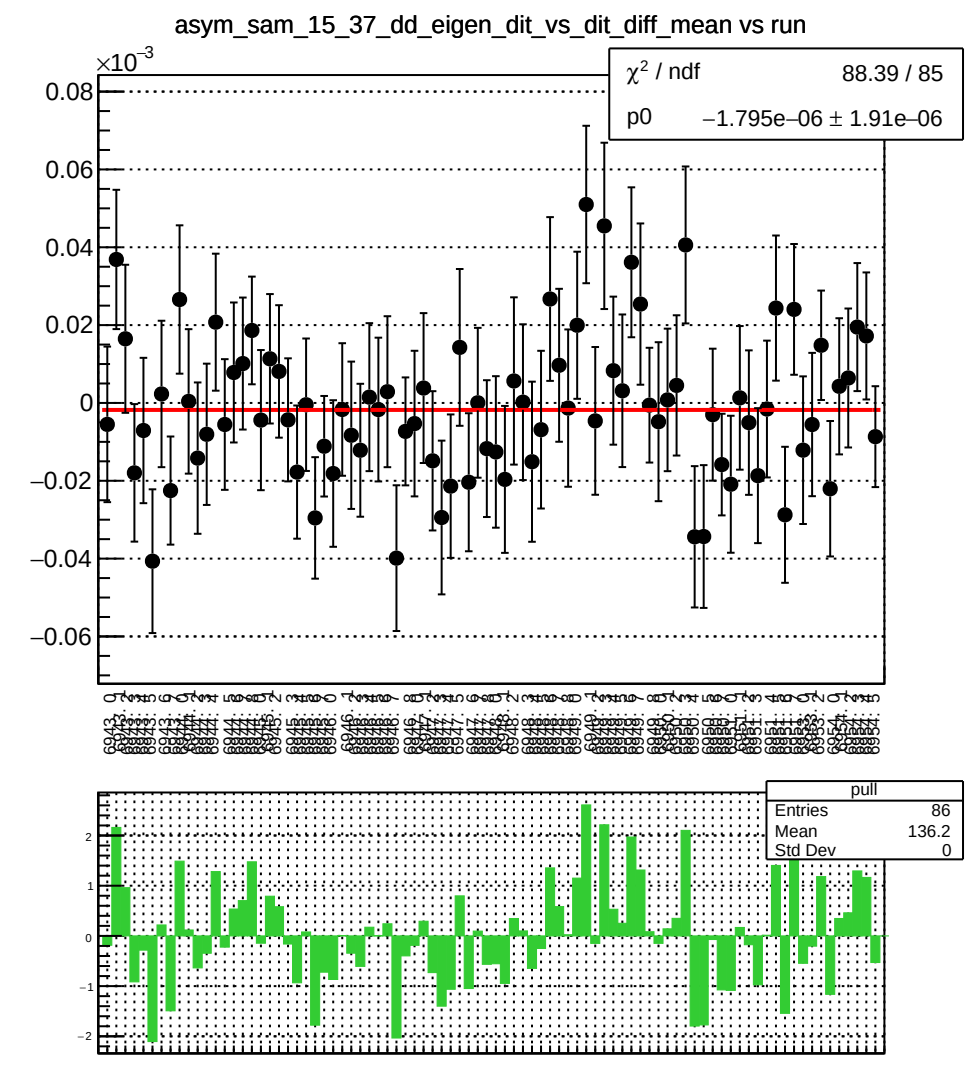

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.082e+06 / 85
p0 9.929e−12 ± 1.311e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

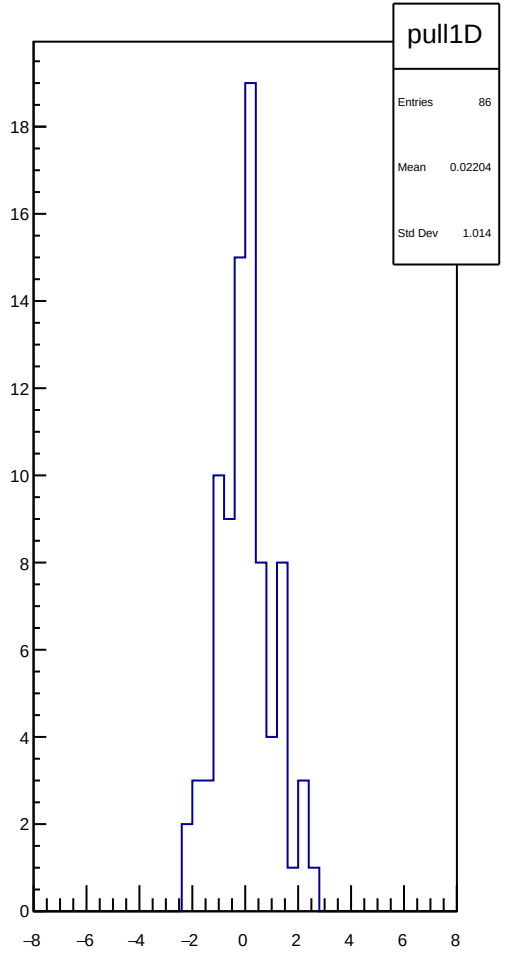

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 92.89 / 85
p0 −0.05567 ± 0.02554
pull
Entries 86
Mean 65.42
Std Dev 0
pull1D
Entries 86
Mean −0.03371
Std Dev 1.039

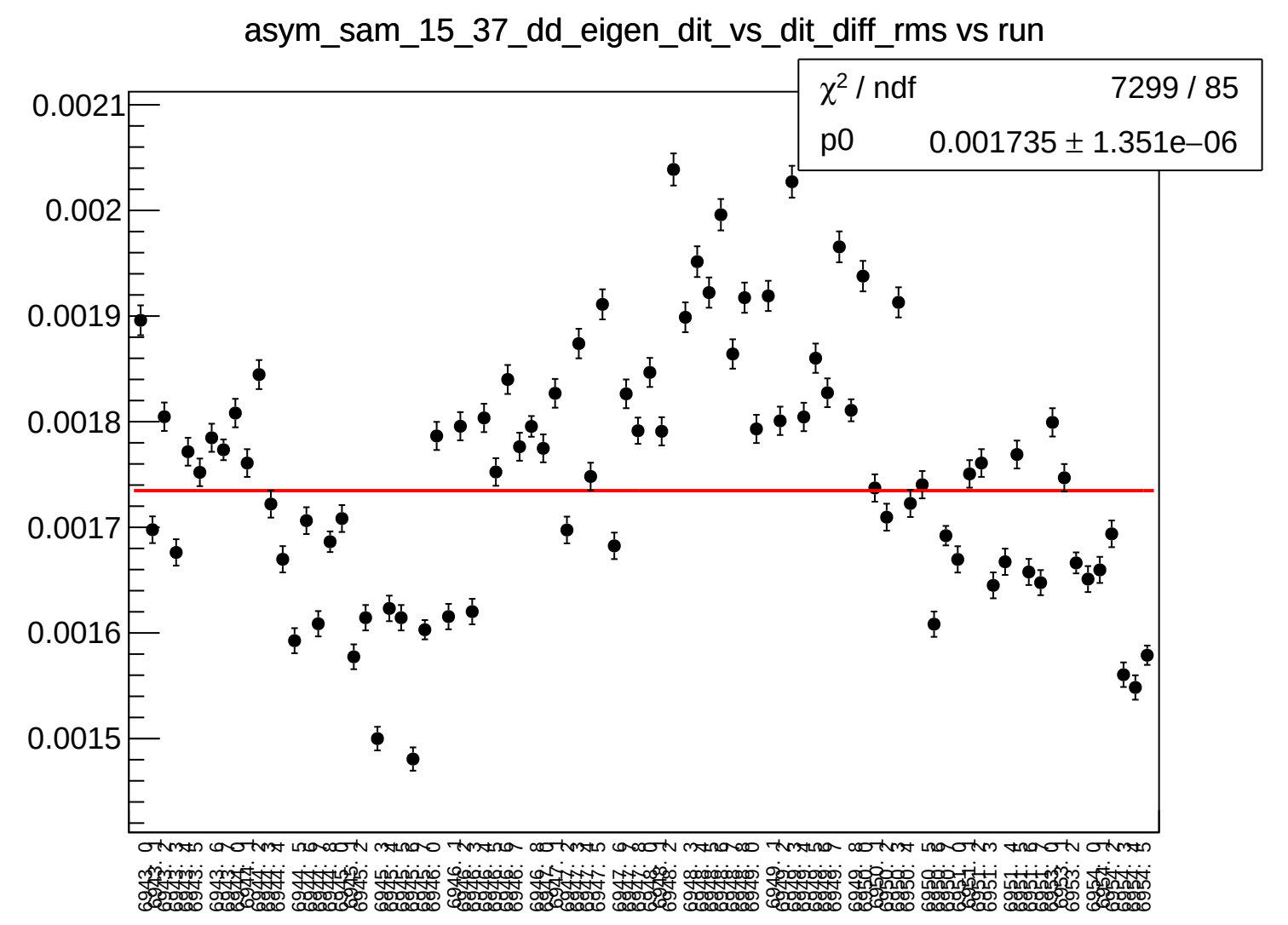

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.514e+04 / 85
p0 22.7 ± 0.01806
35
30
25
20
15

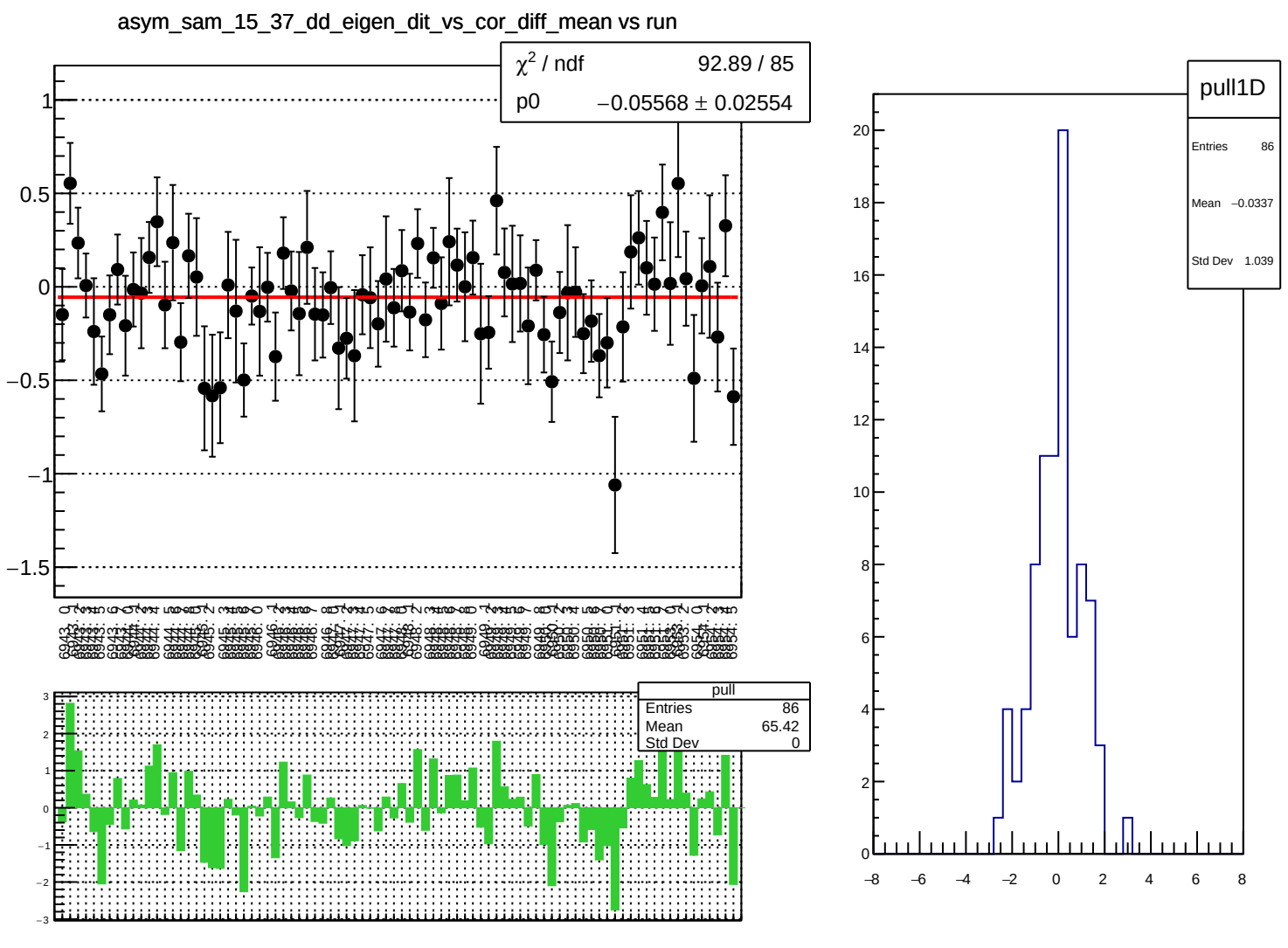

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.89 / 85
p0 −0.05567 ± 0.02554
pull
Entries 86
Mean 65.42
Std Dev 0
pull1D
Entries 86
Mean −0.03371
Std Dev 1.039

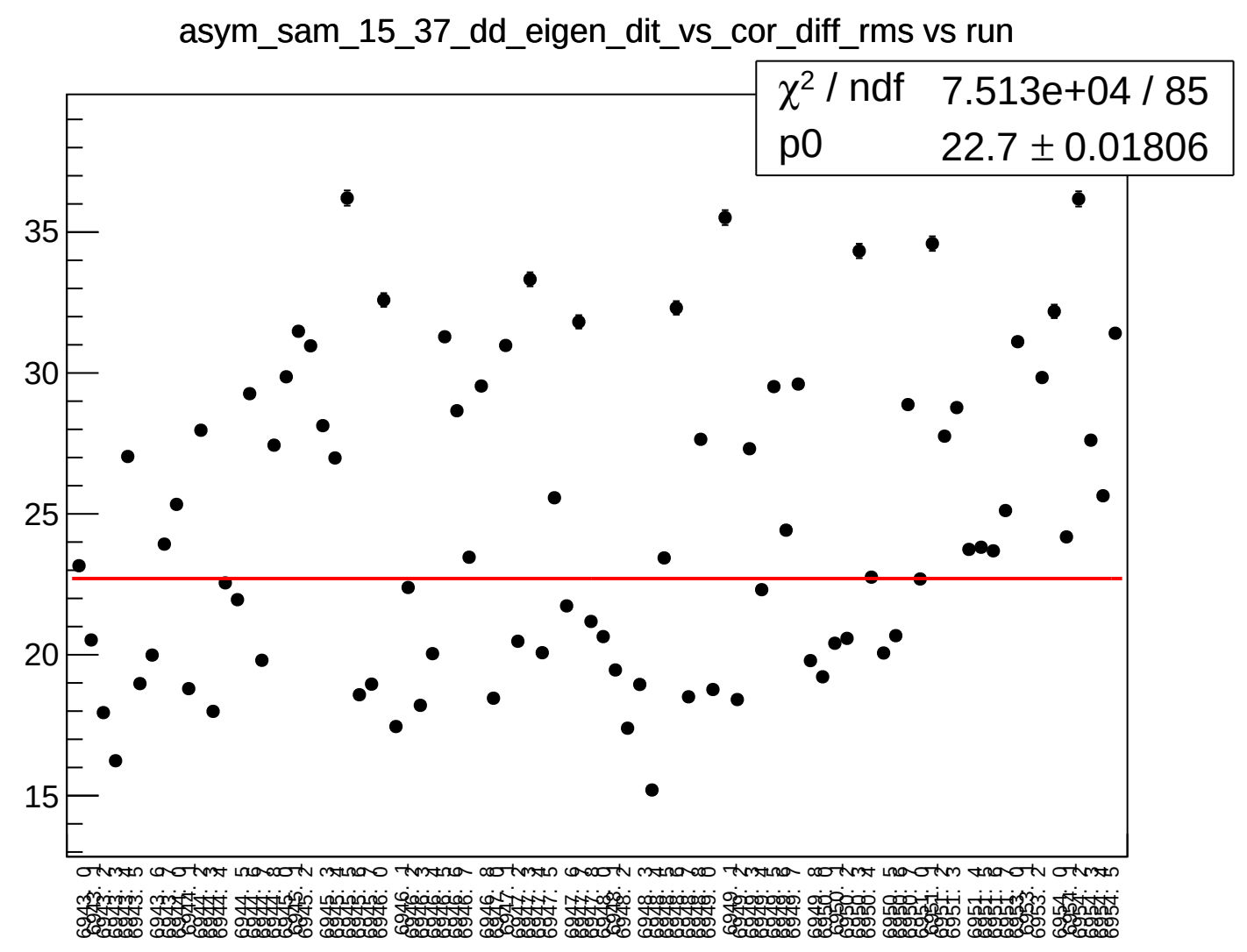

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.514e+04 / 85
p0 22.7 ± 0.01806
35
30
25
20
15

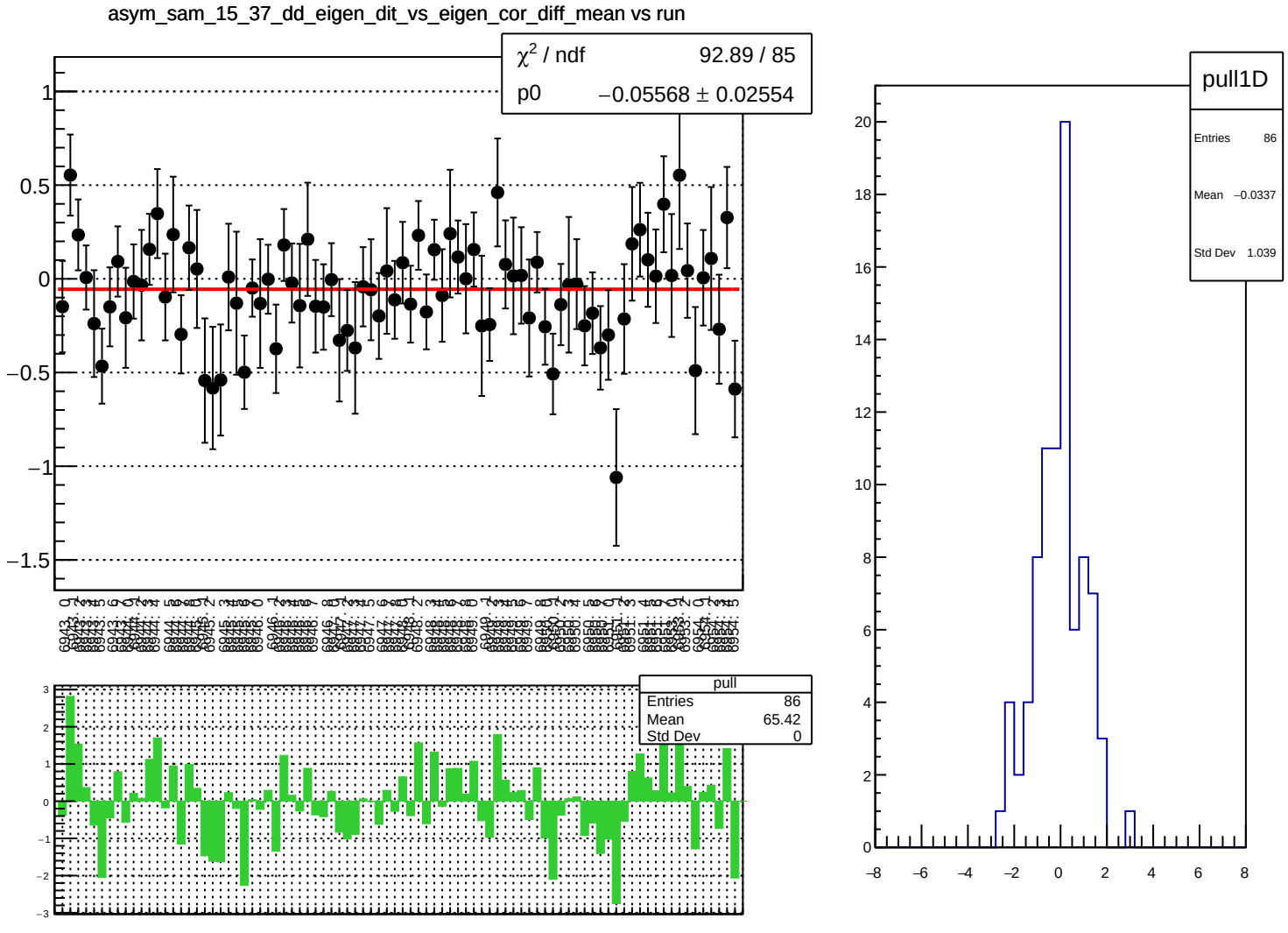

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.39 / 85
p0 −1.795e−06 ± 1.91e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 136.2
Std Dev 0
2
1
0
−1
−2

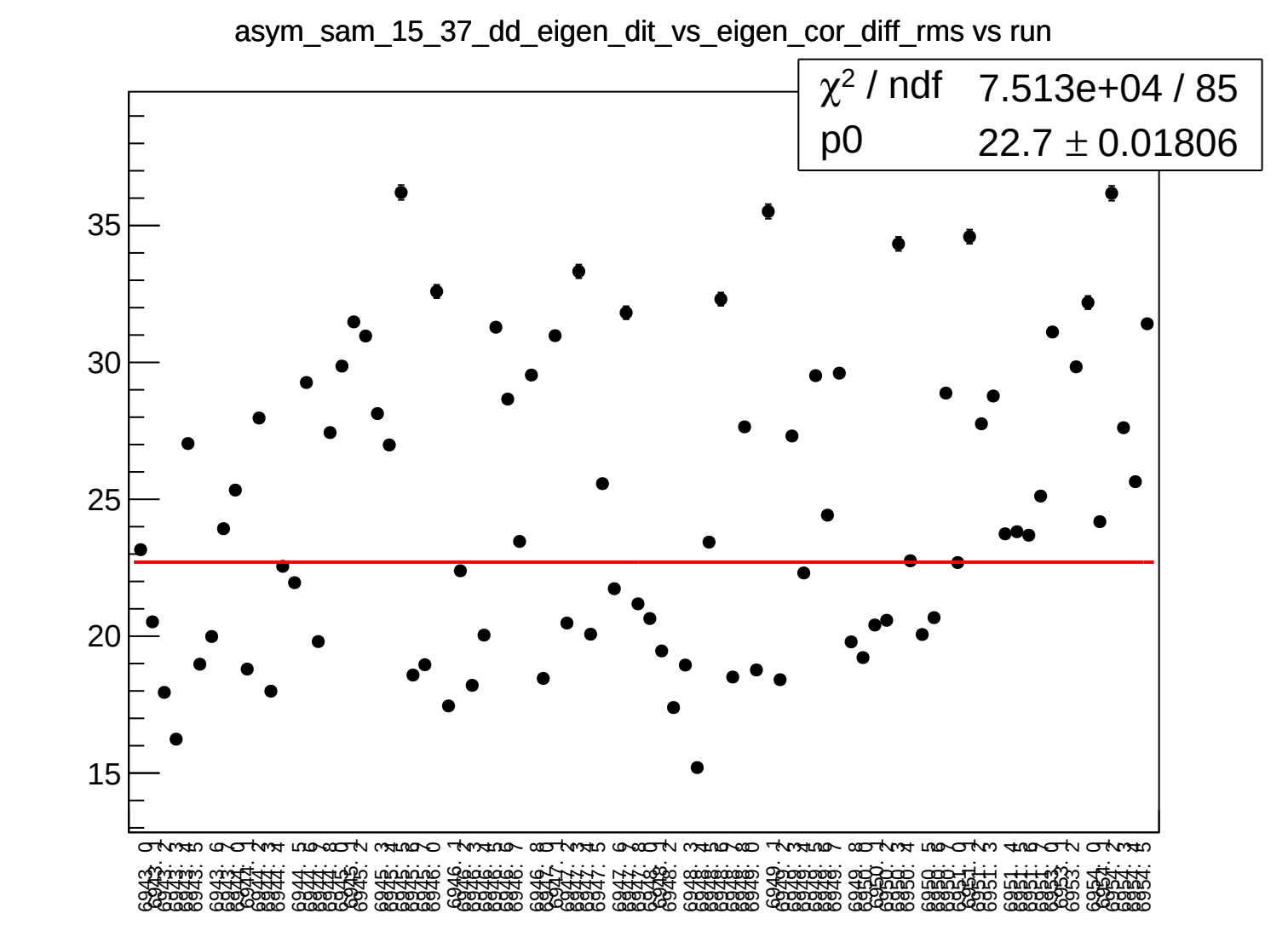

pull1D
Entries 86
Mean 0.02204
Std Dev 1.014
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

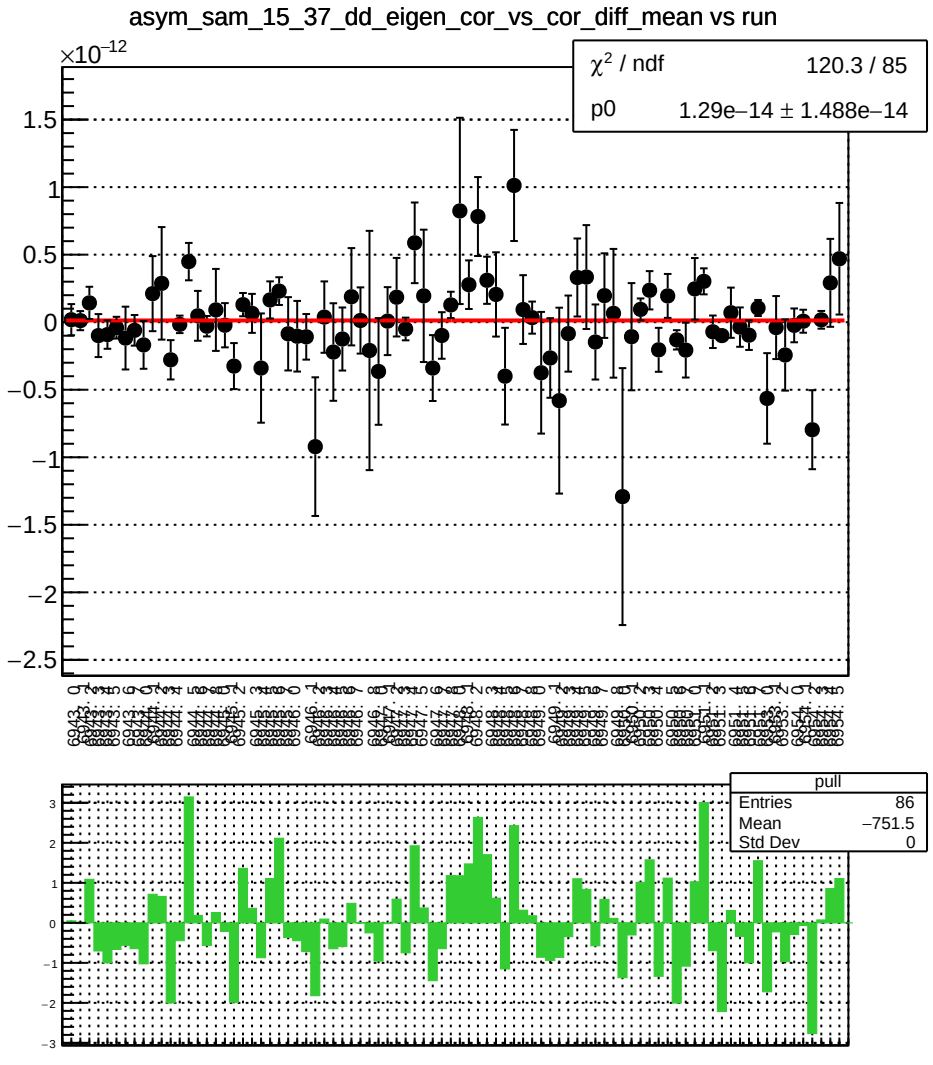

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7299 / 85
p0 0.001735 ± 1.351e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

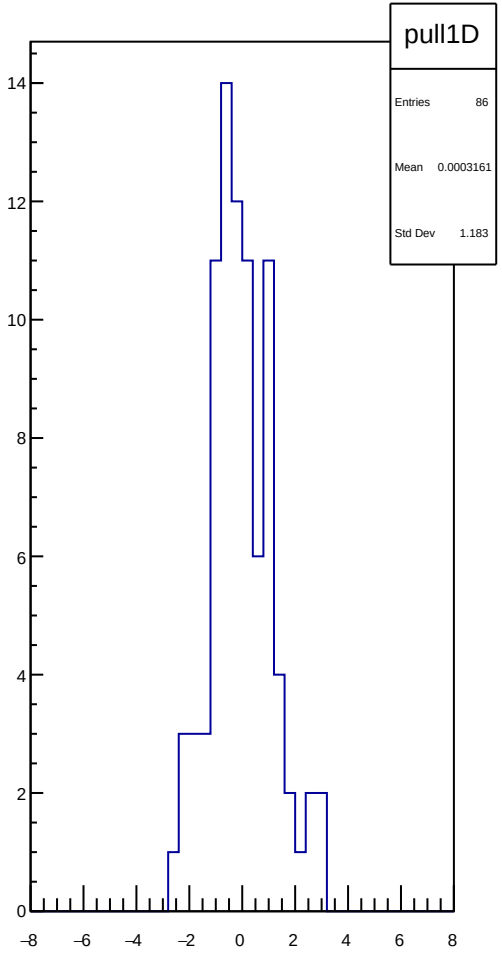

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.89 / 85
p0 −0.05568 ± 0.02554
pull
Entries 86
Mean 65.42
Std Dev 0
pull1D
Entries 86
Mean −0.0337
Std Dev 1.039

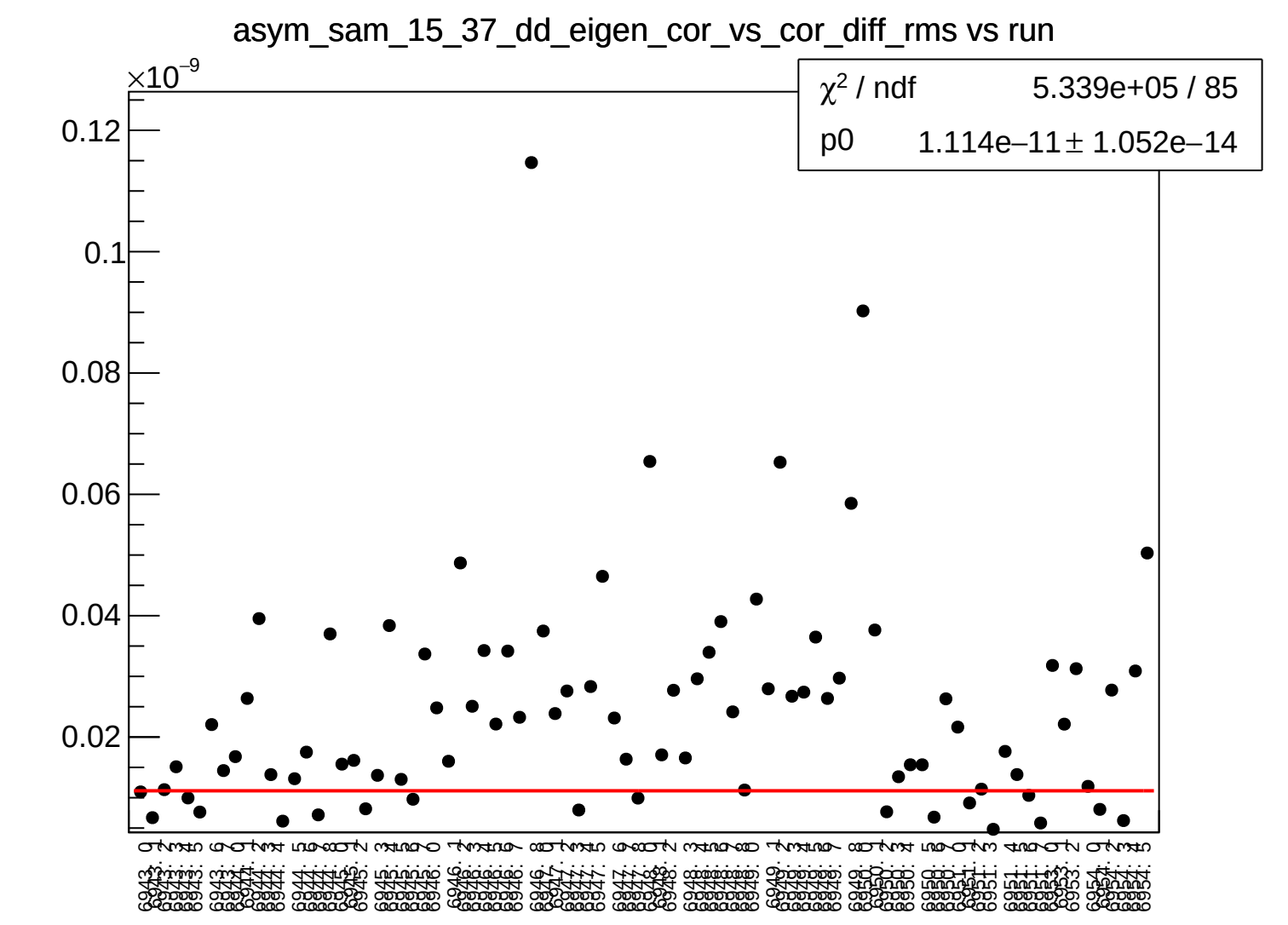

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.513e+04 / 85
p0 22.7 ± 0.01806
35
30
25
20
15

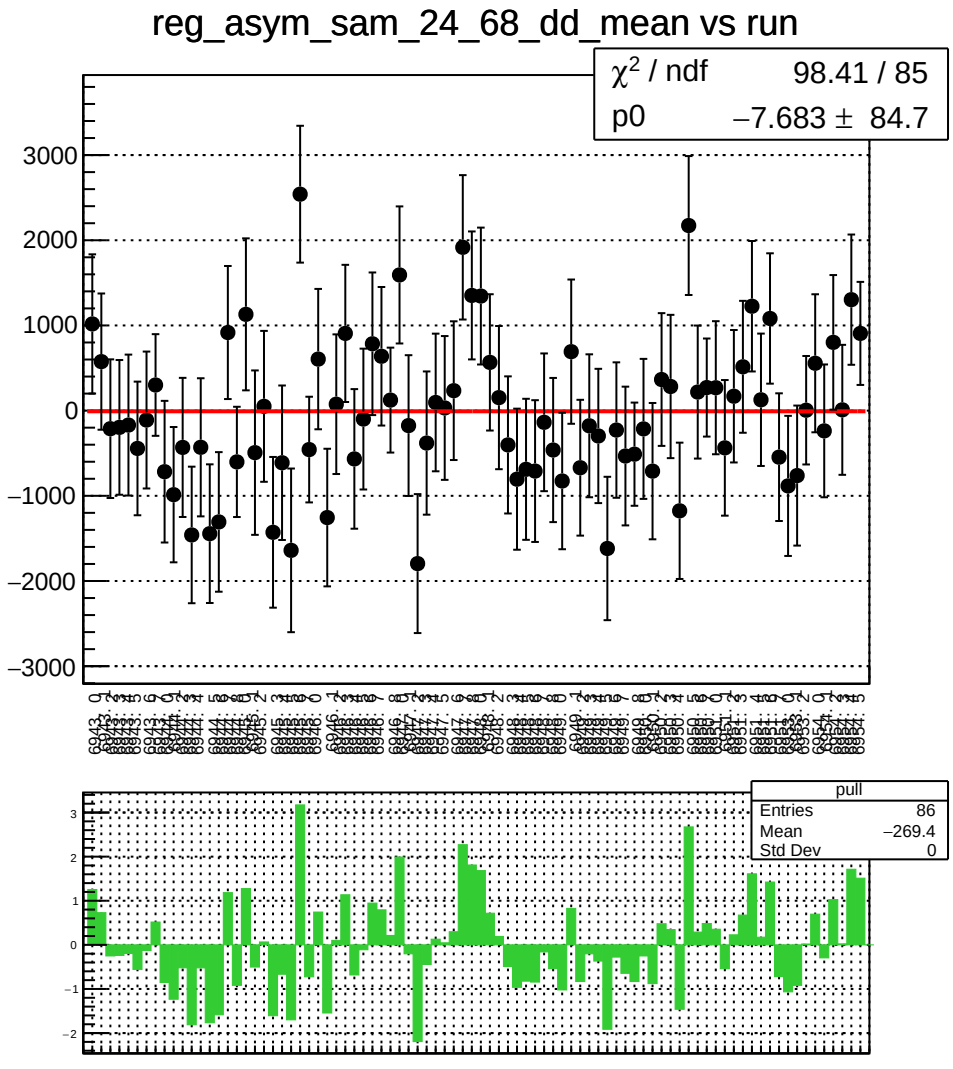

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.89 / 85
p0 −0.05568 ± 0.02554
pull
Entries 86
Mean 65.42
Std Dev 0
pull1D
Entries 86
Mean −0.0337
Std Dev 1.039

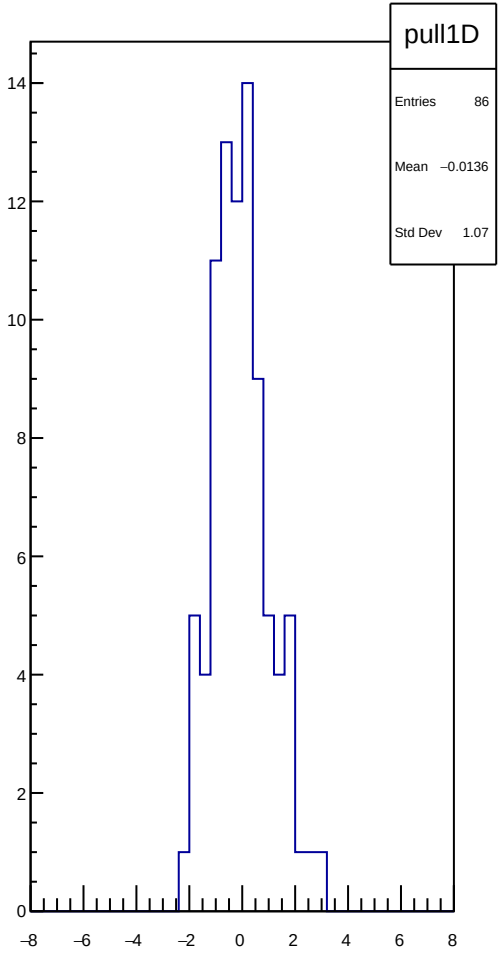

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.513e+04 / 85
p0 22.7 ± 0.01806
35
30
25
20
15

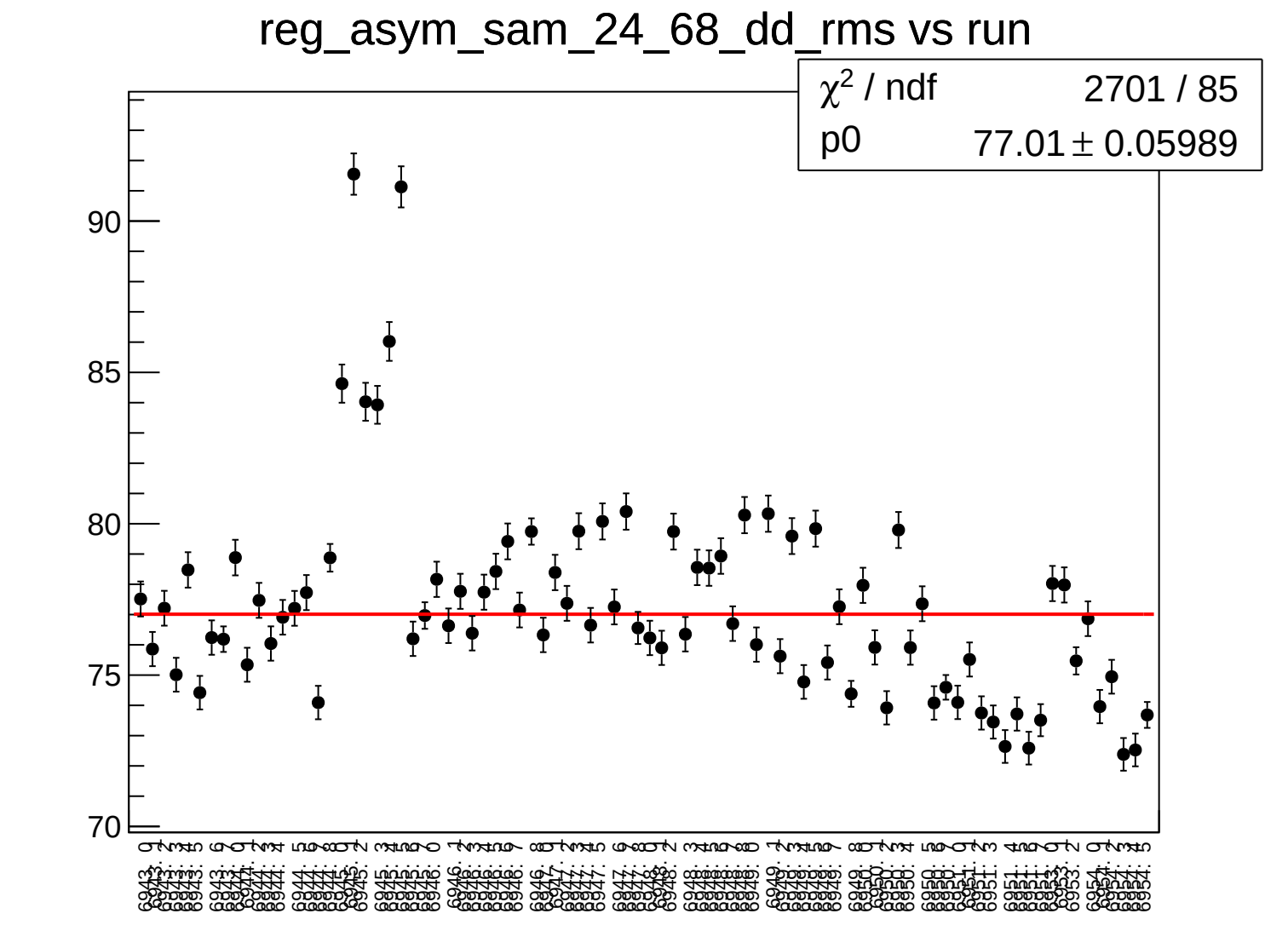

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 120.3 / 85
p0 1.29e−14 ± 1.488e−14
pull
Entries 86
Mean −751.5
Std Dev 0

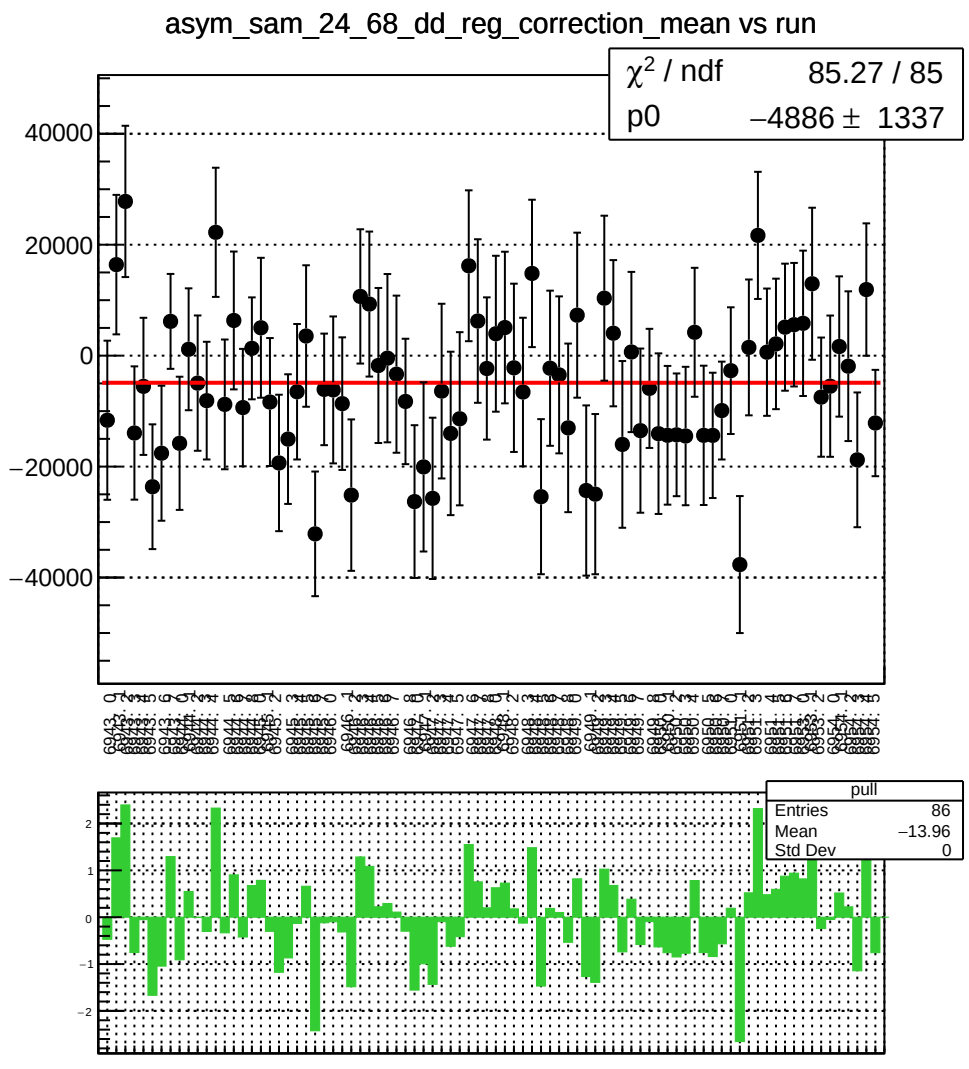

pull1D
Entries 86
Mean 0.0003161
Std Dev 1.183

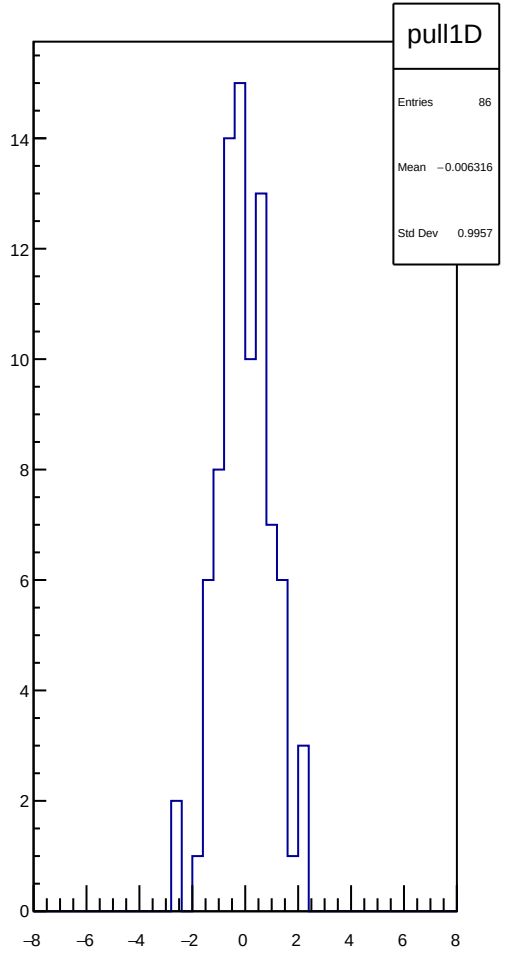

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.339e+05 / 85
p0 1.114e−11 ± 1.052e−14
0.12
0.1
0.08
0.06
0.04
0.02

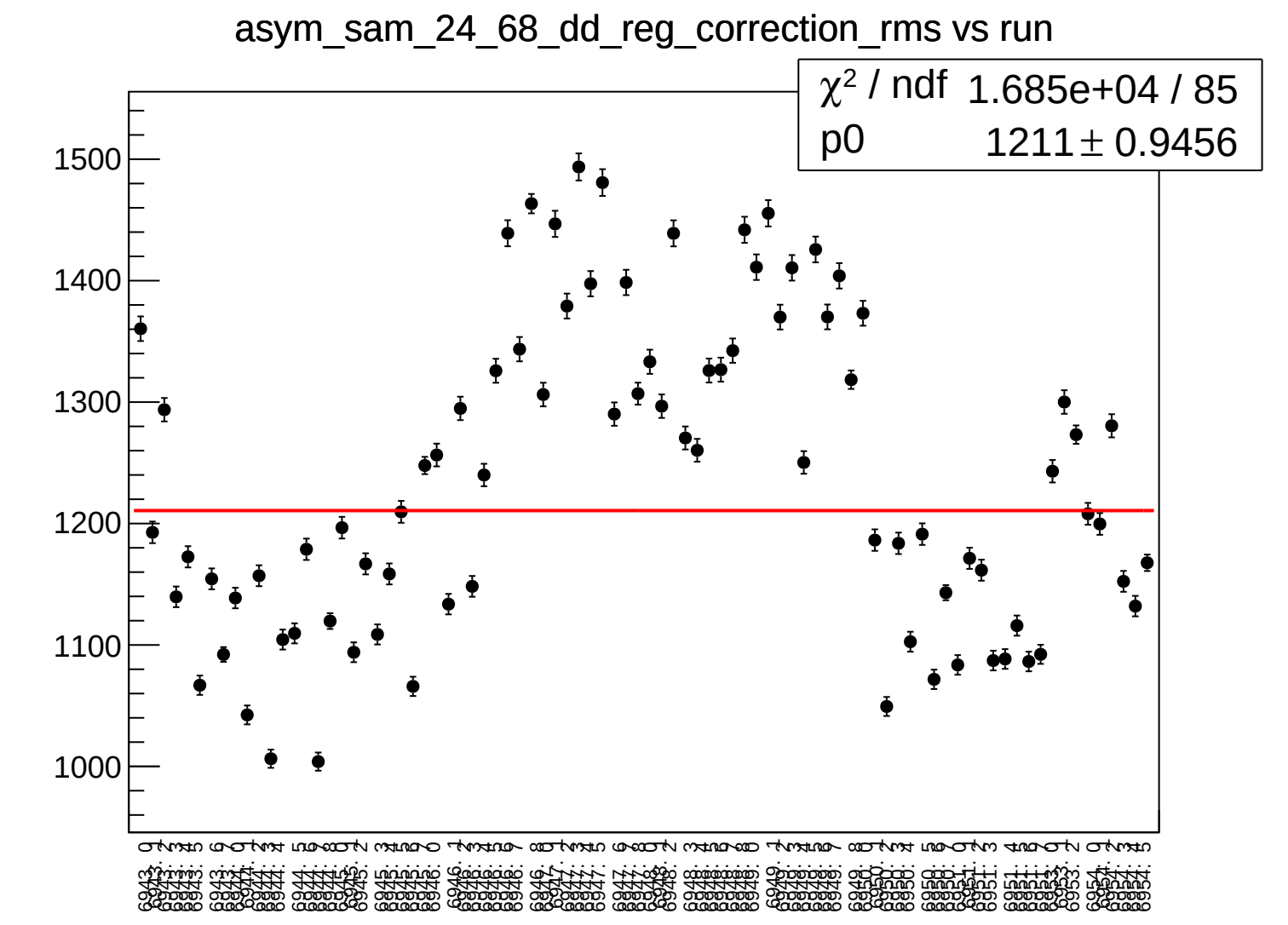

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 98.41 / 85
p0 −7.683 ± 84.7
pull
Entries 86
Mean −269.4
Std Dev 0

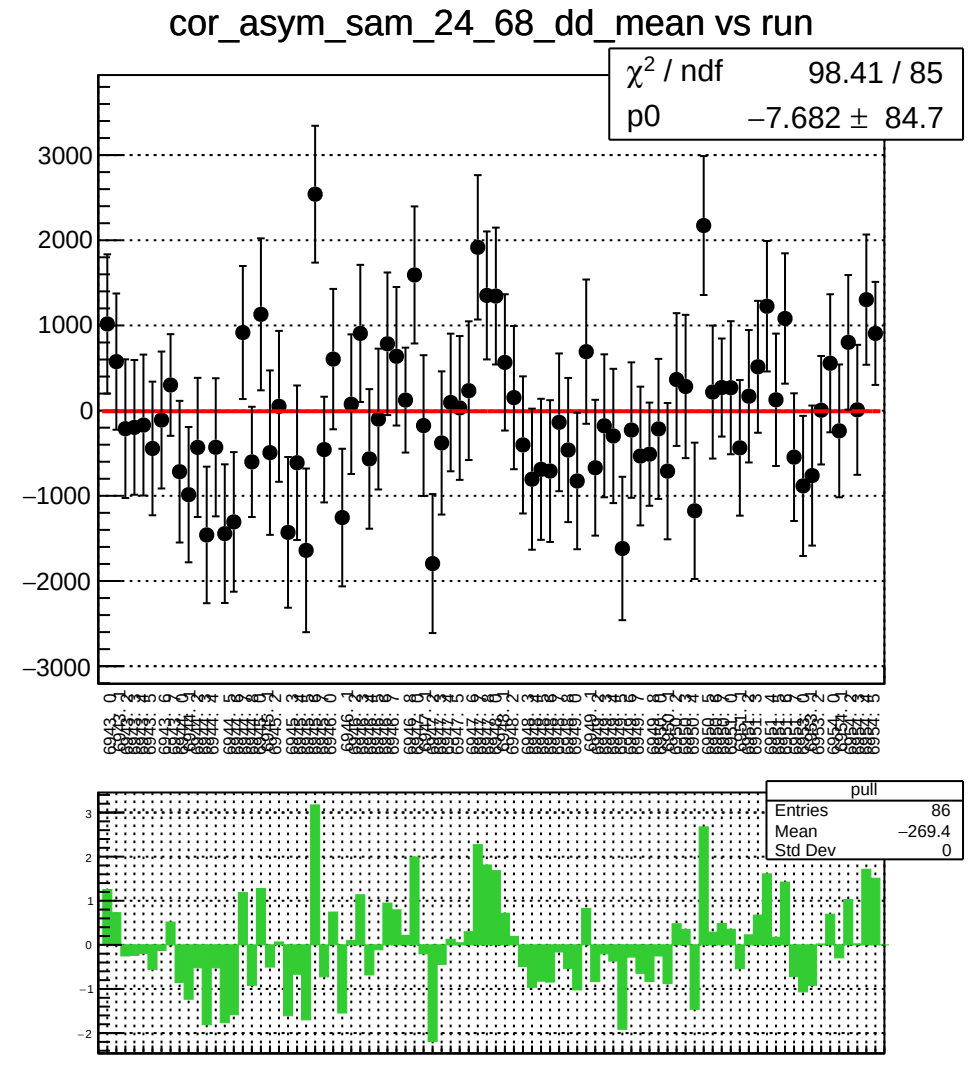

pull1D
Entries 86
Mean −0.0136
Std Dev 1.07

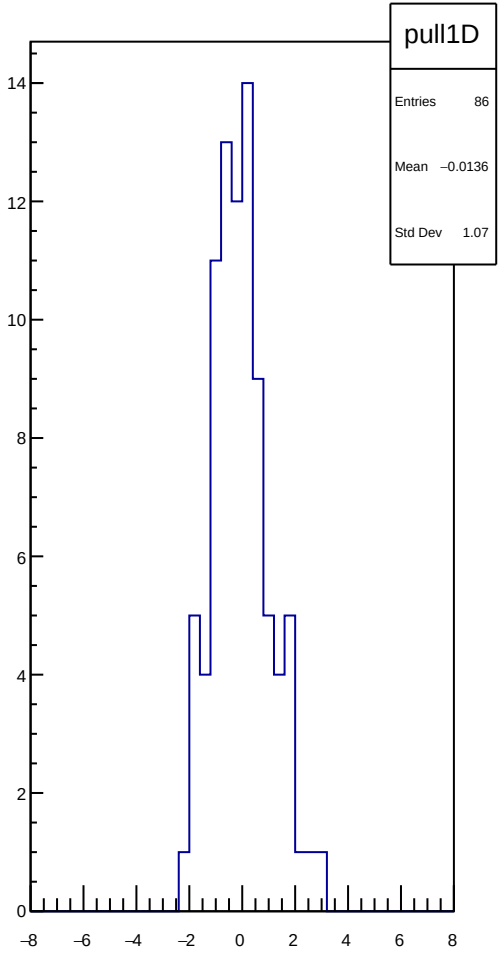

reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2701 / 85
p0 77.01 ± 0.05989
90
85
80
75
70

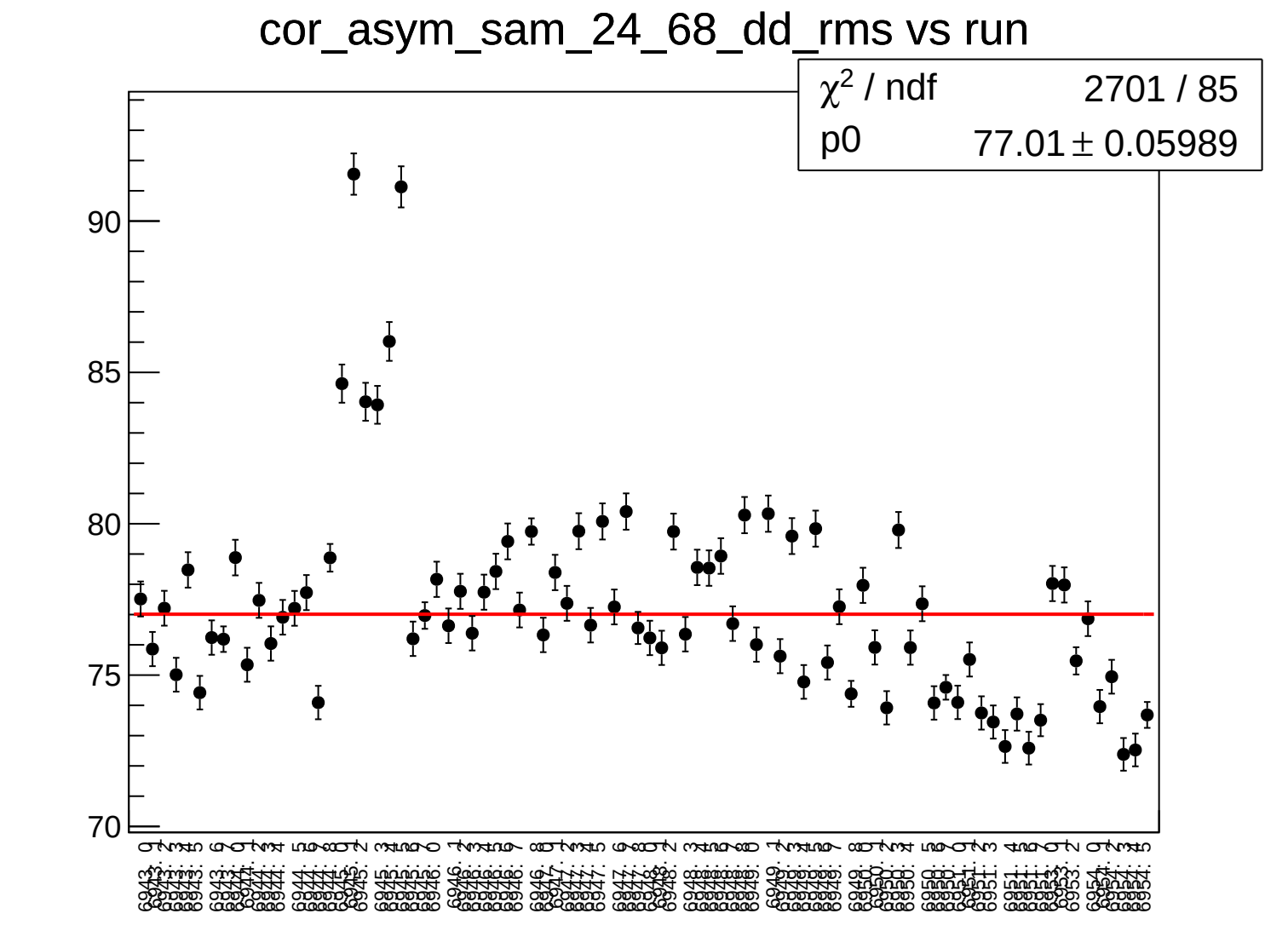

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −4886 ± 1337
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −13.96
Std Dev 0
2
1
0
−1
−2

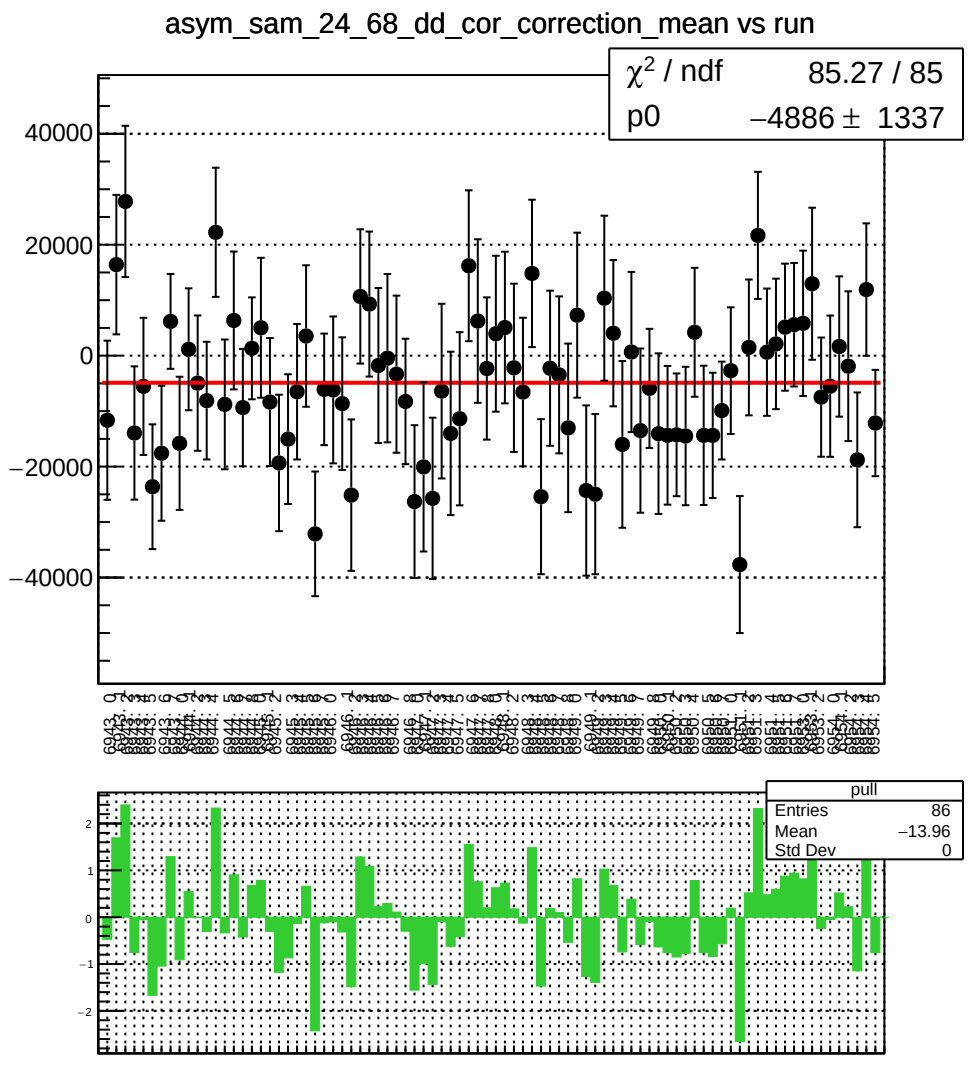

pull1D
Entries 86
Mean −0.006316
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

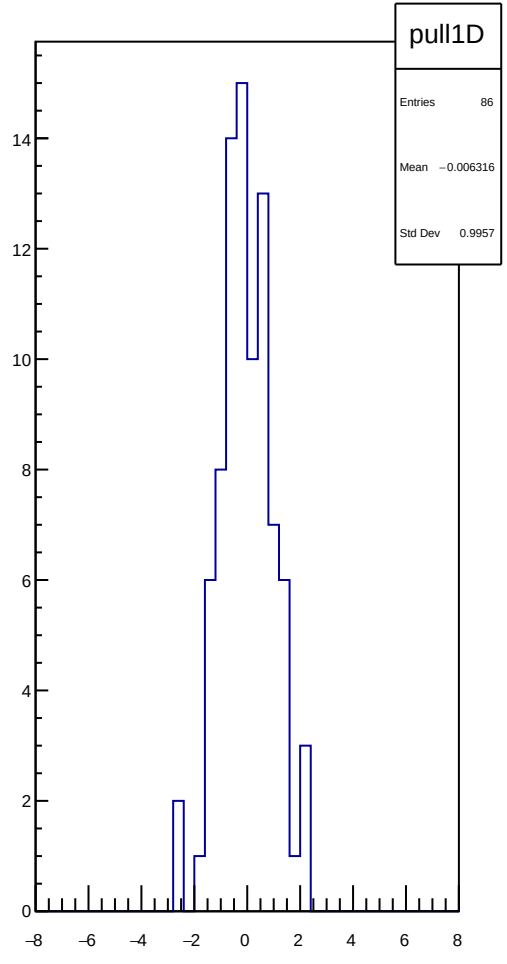

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 1.685e+04 / 85
p0 1211 ± 0.9456
1500
1400
1300
1200
1100
1000

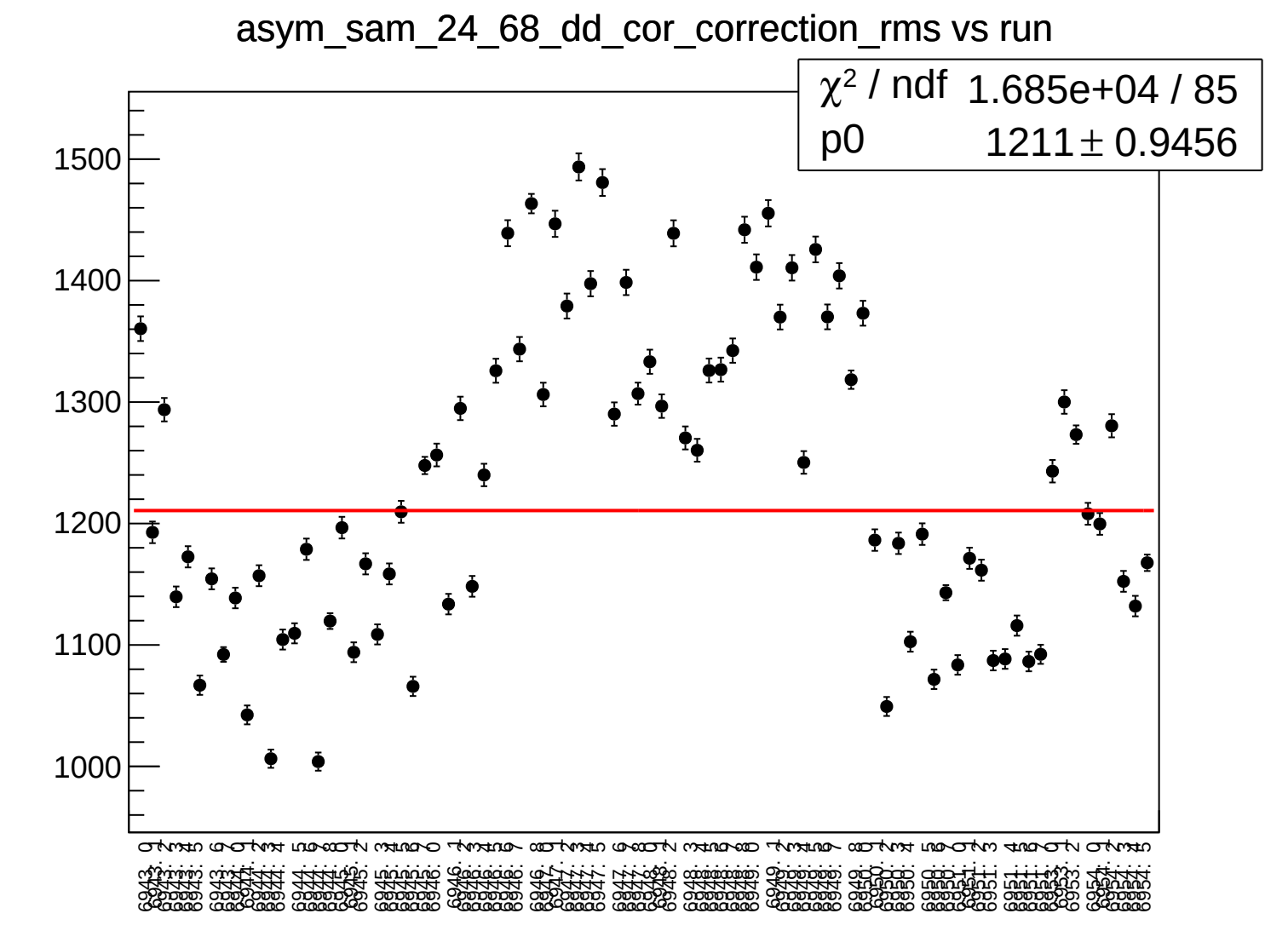

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 98.41 / 85
p0 −7.682 ± 84.7
pull
Entries 86
Mean −269.4
Std Dev 0

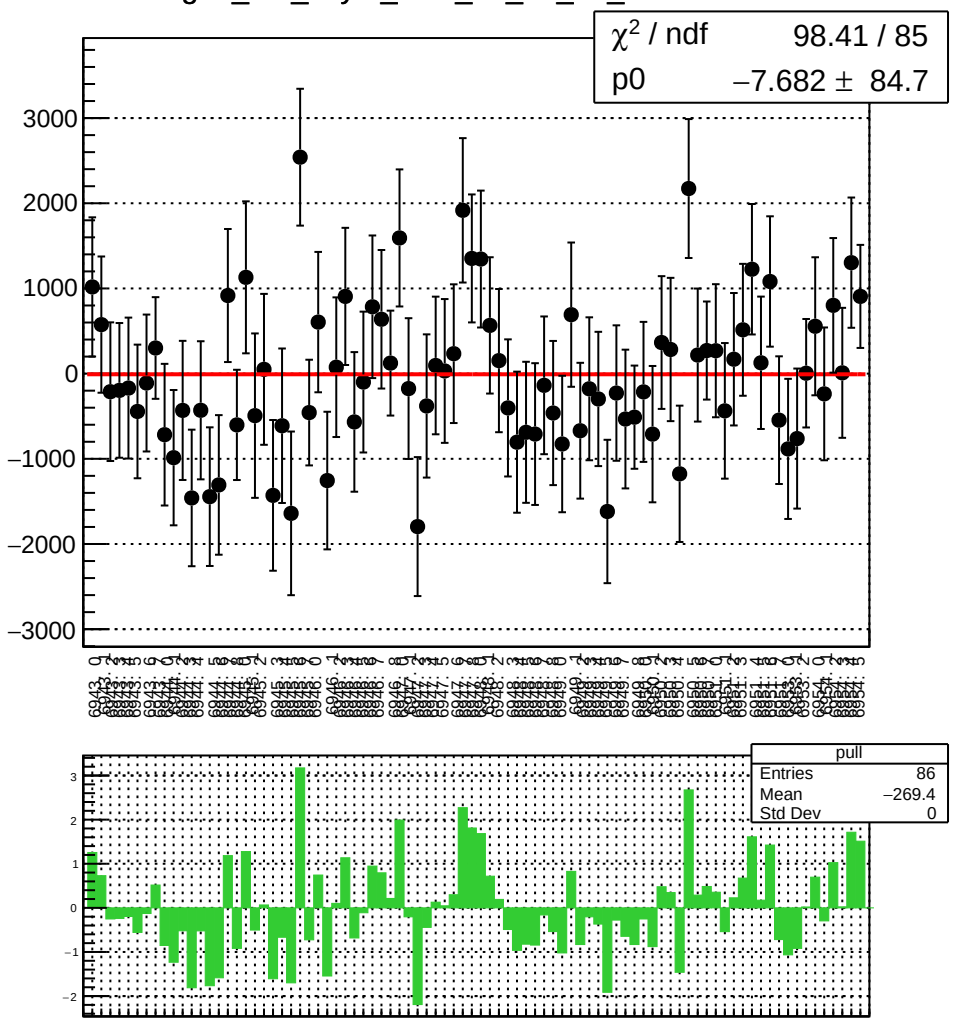

pull1D
Entries 86
Mean −0.0136
Std Dev 1.07

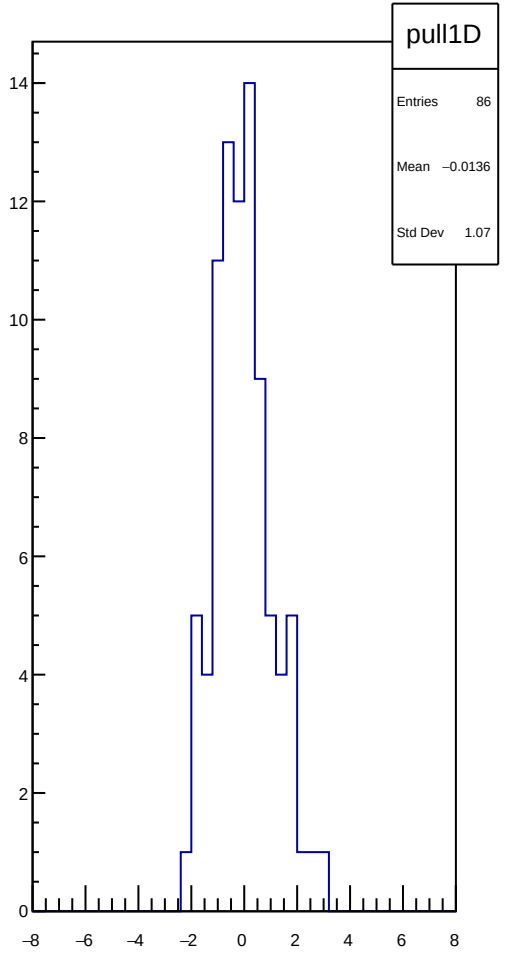

cor_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2701 / 85
p0 77.01 ± 0.05989
90
85
80
75
70

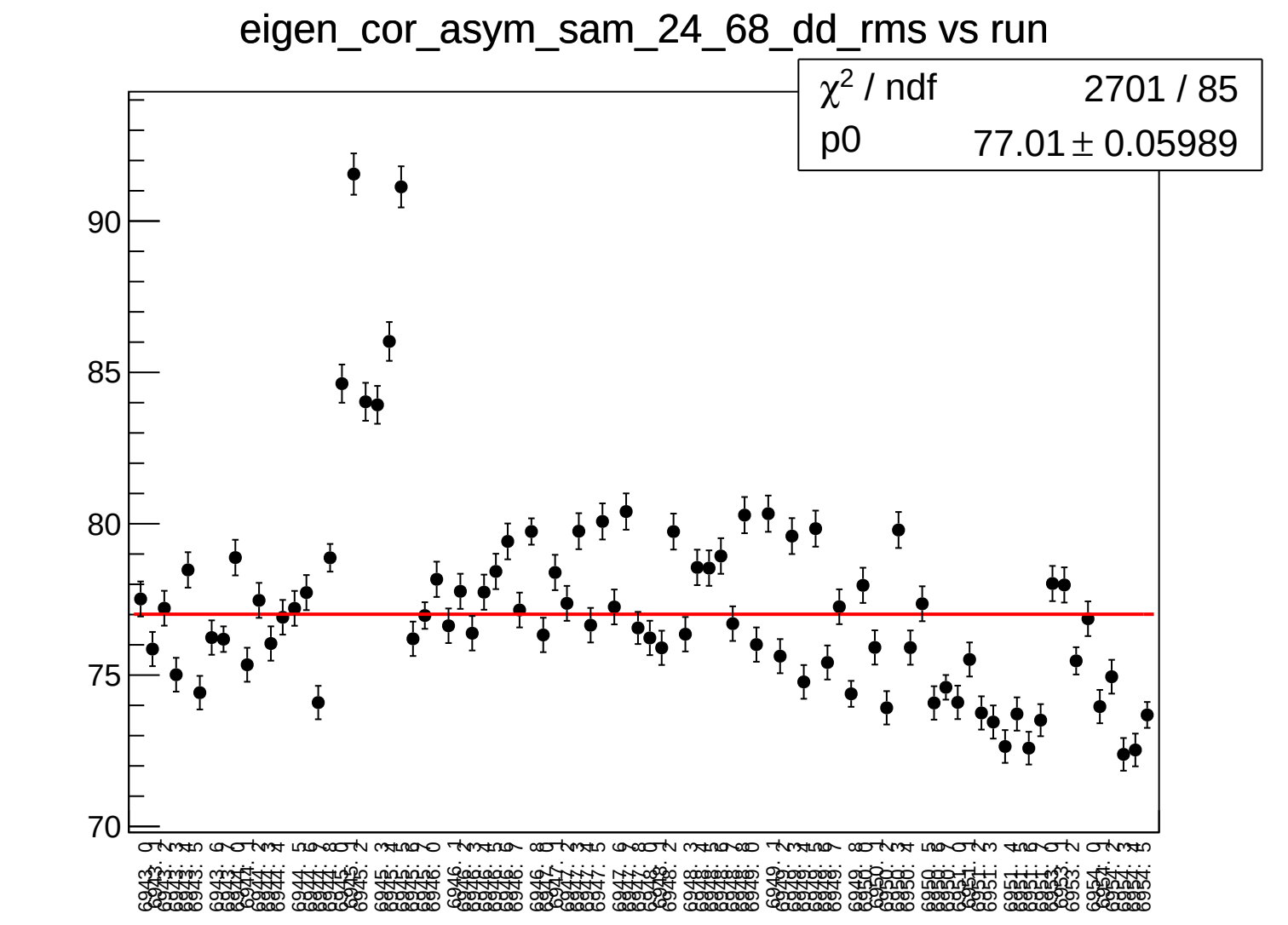

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −4886 ± 1337
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −13.96
Std Dev 0
2
1
0
−1
−2

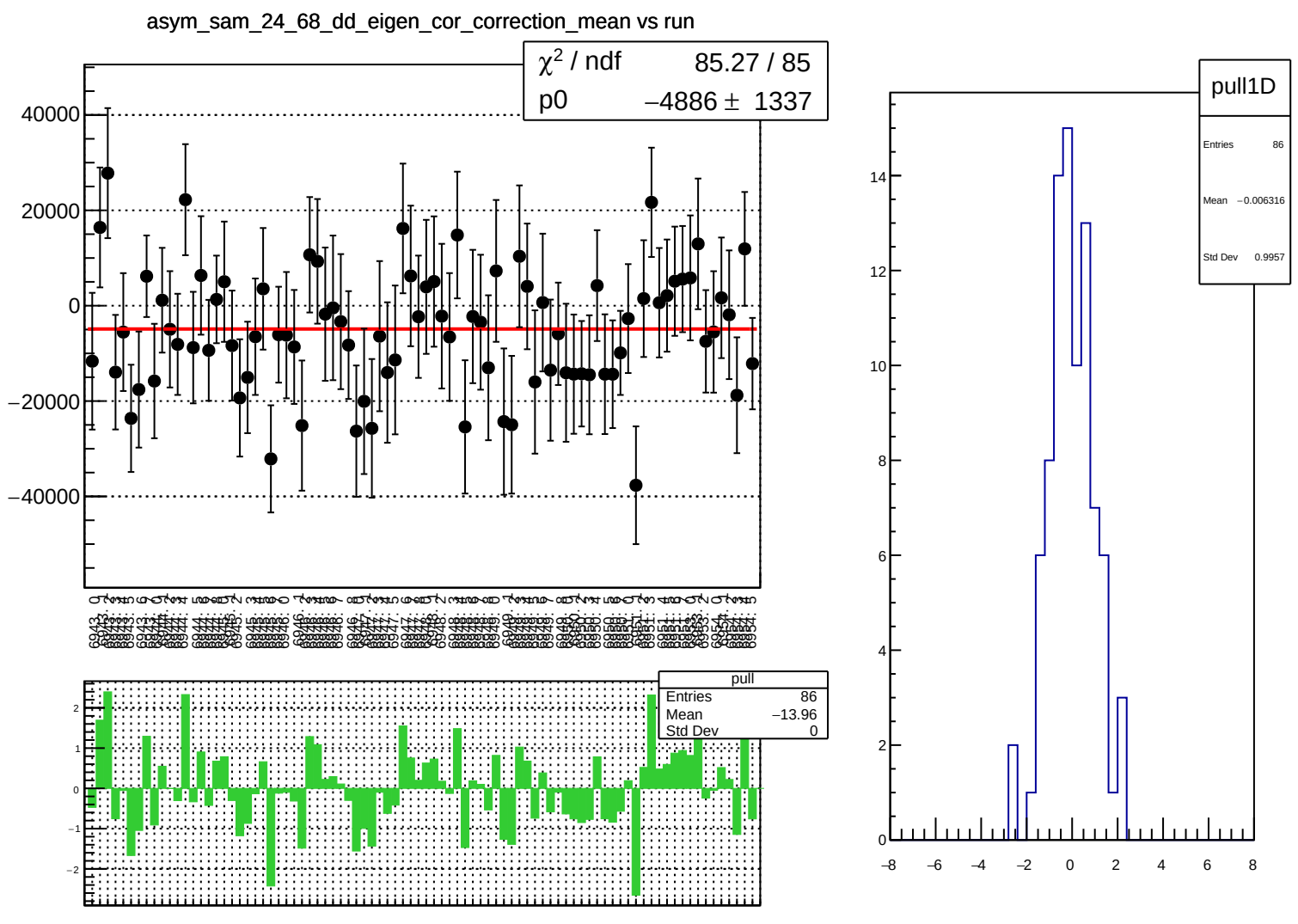

pull1D
Entries 86
Mean −0.006316
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

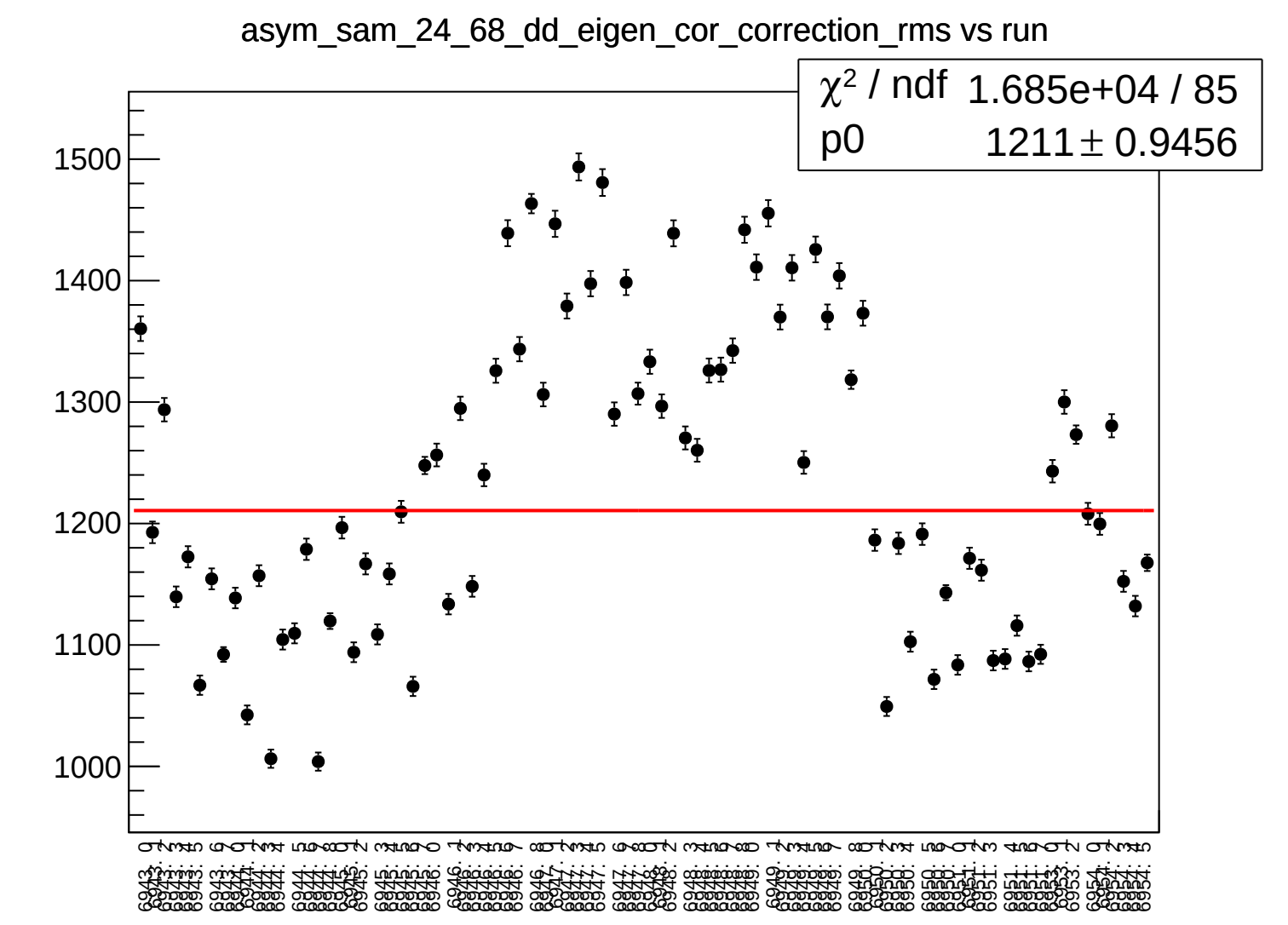

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 1.685e+04 / 85
p0 1211 ± 0.9456
1500
1400
1300
1200
1100
1000

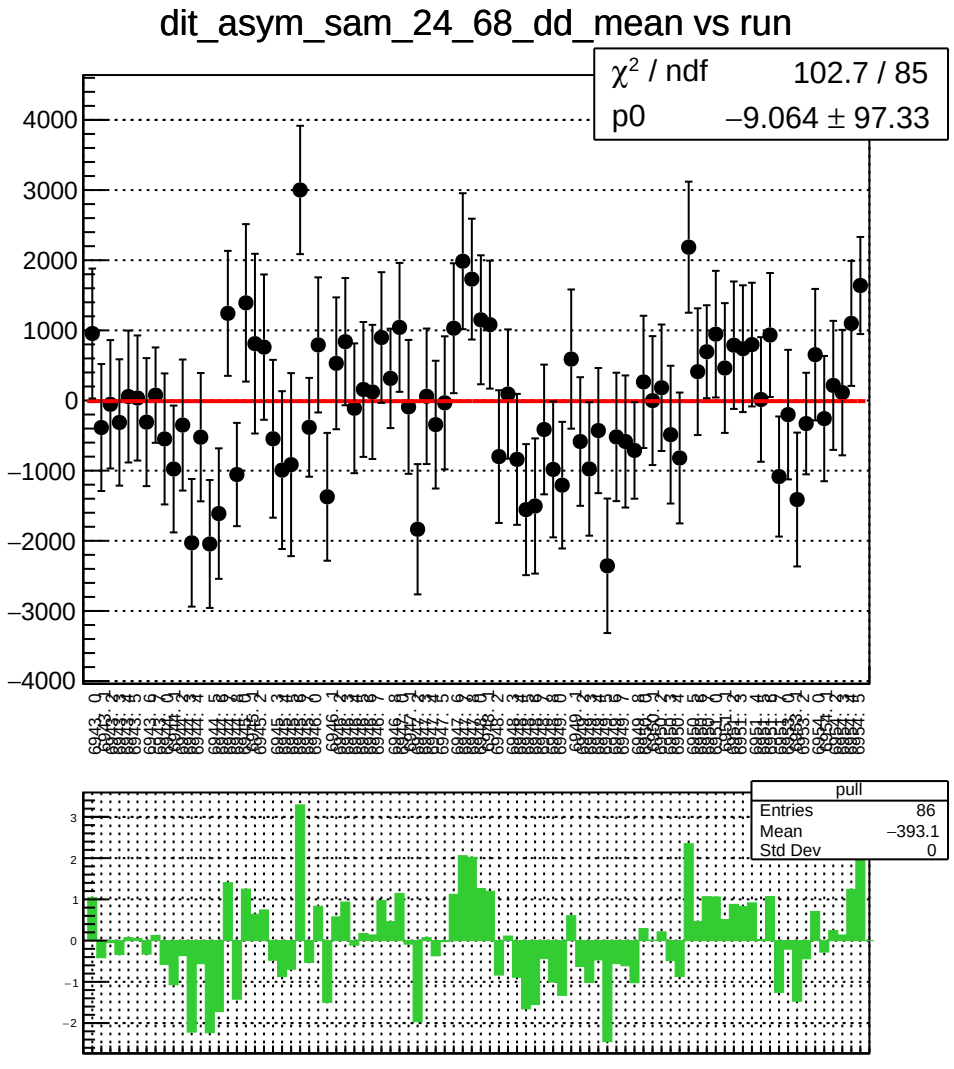

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 98.41 / 85
p0 −7.682 ± 84.7
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −269.4
Std Dev 0
3
2
1
0
−1
−2

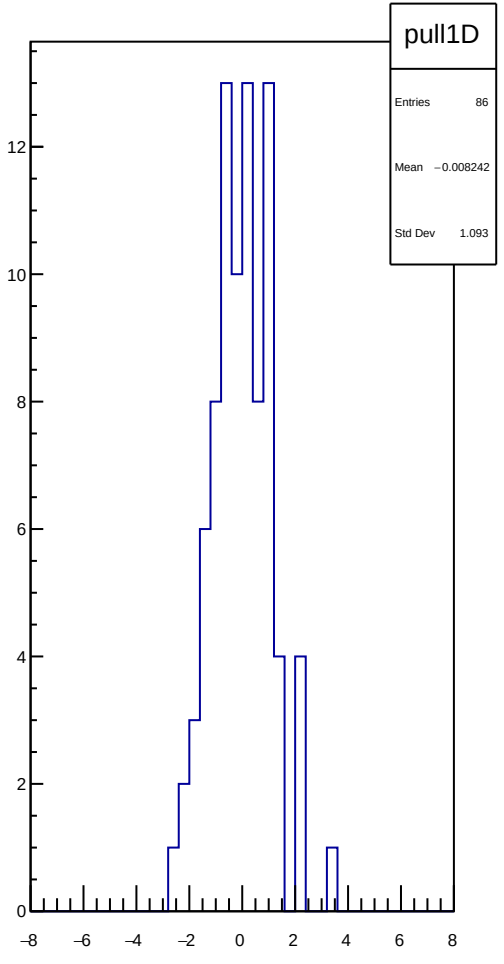

pull1D
Entries 86
Mean −0.0136
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

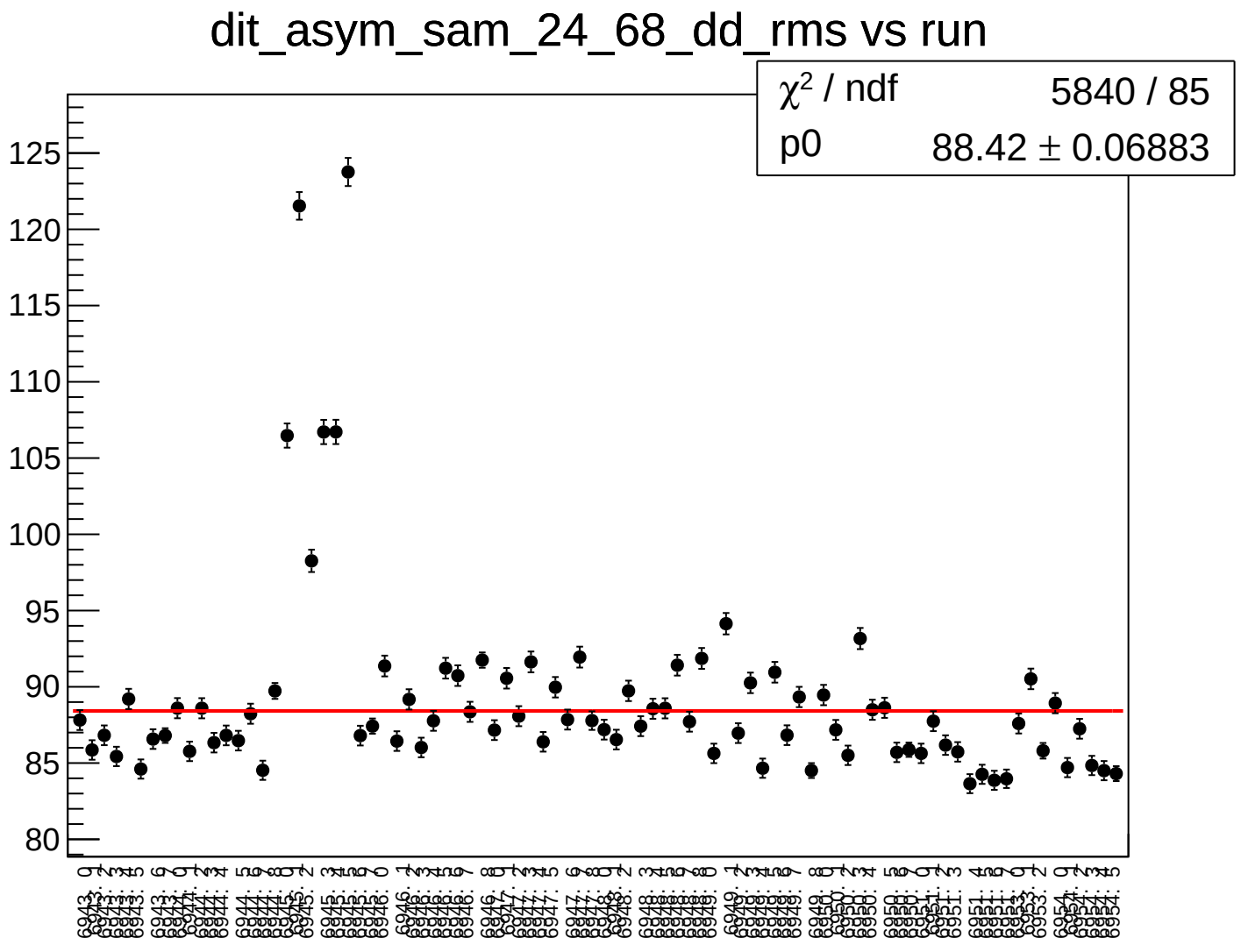

eigen_cor_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2701 / 85
p0 77.01 ± 0.05989
90
85
80
75
70

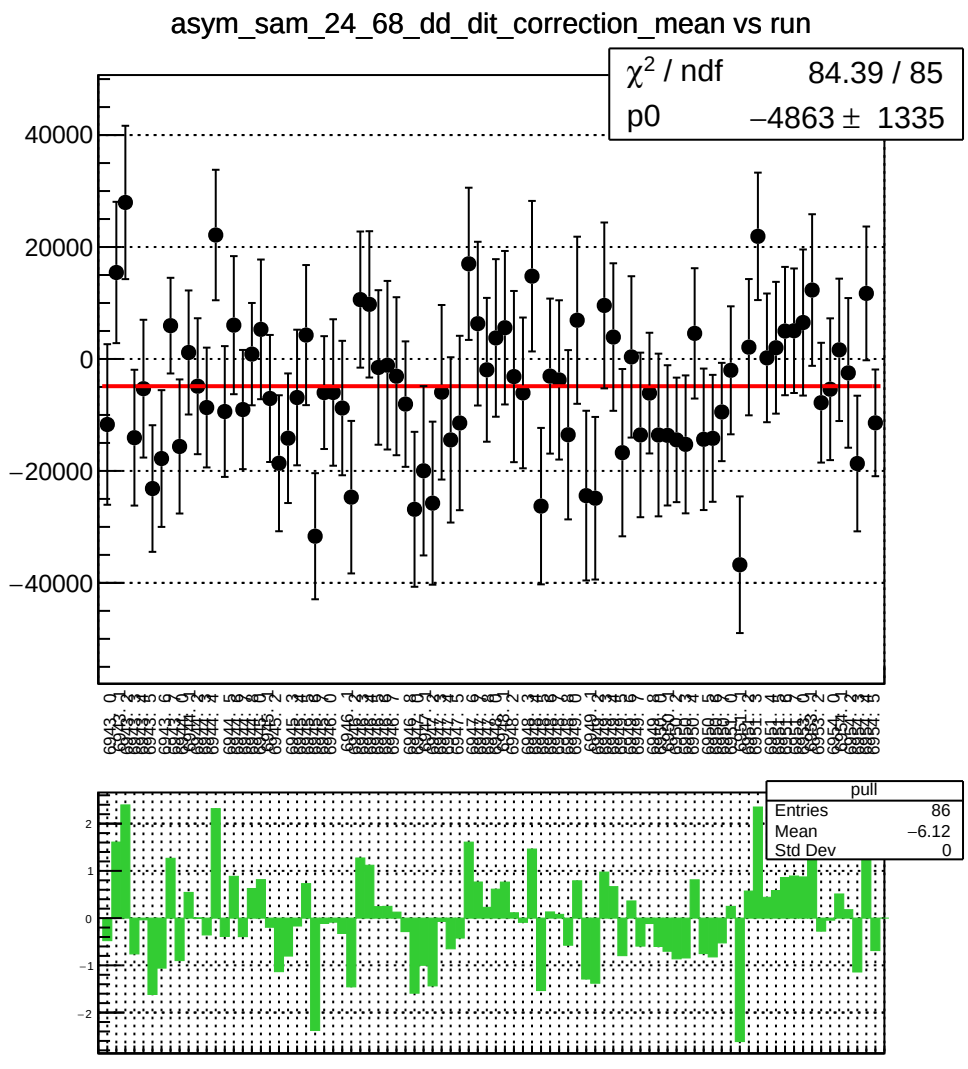

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.27 / 85
p0 −4886 ± 1337
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −13.96
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.006316
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

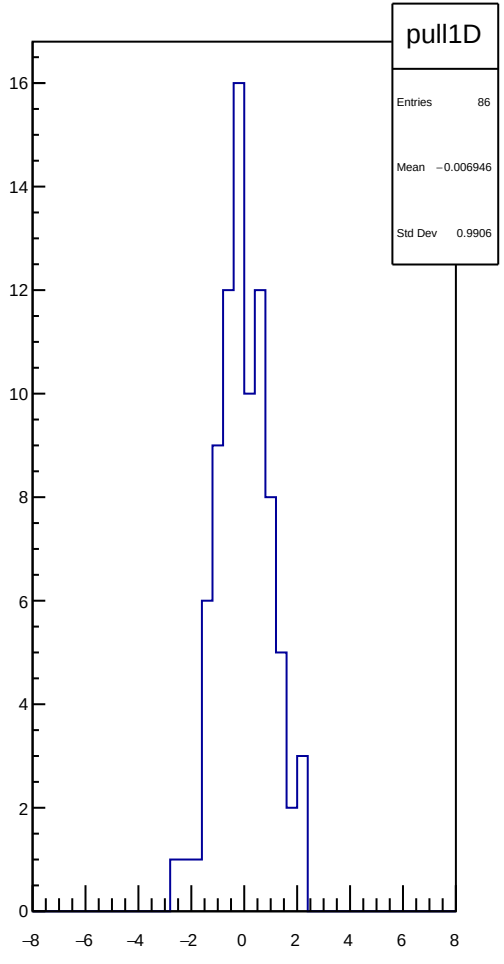

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.685e+04 / 85
p0 1211 ± 0.9456
1500
1400
1300
1200
1100
1000

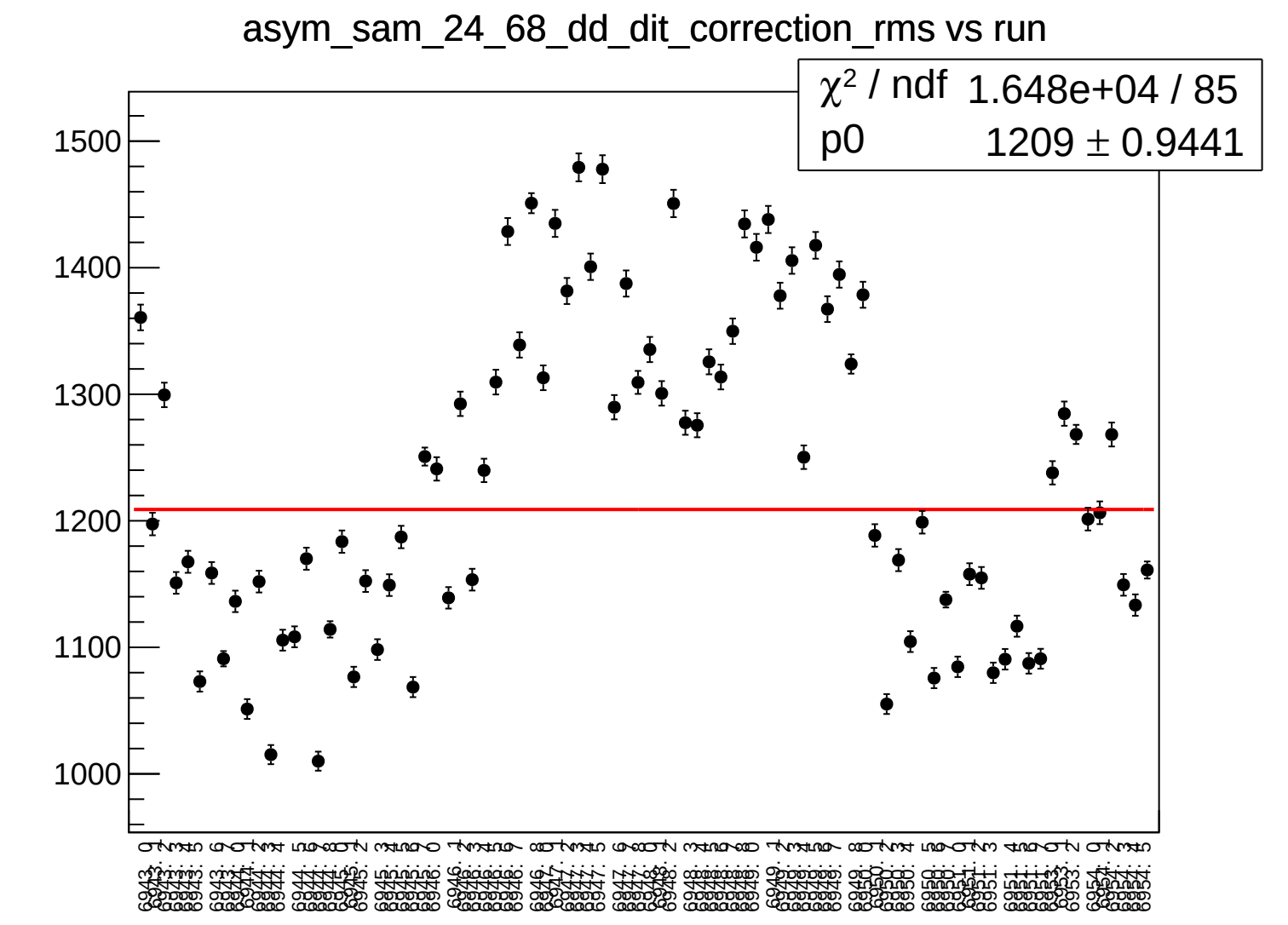

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 102.7 / 85
p0 −9.064 ± 97.33
pull
Entries 86
Mean −393.1
Std Dev 0

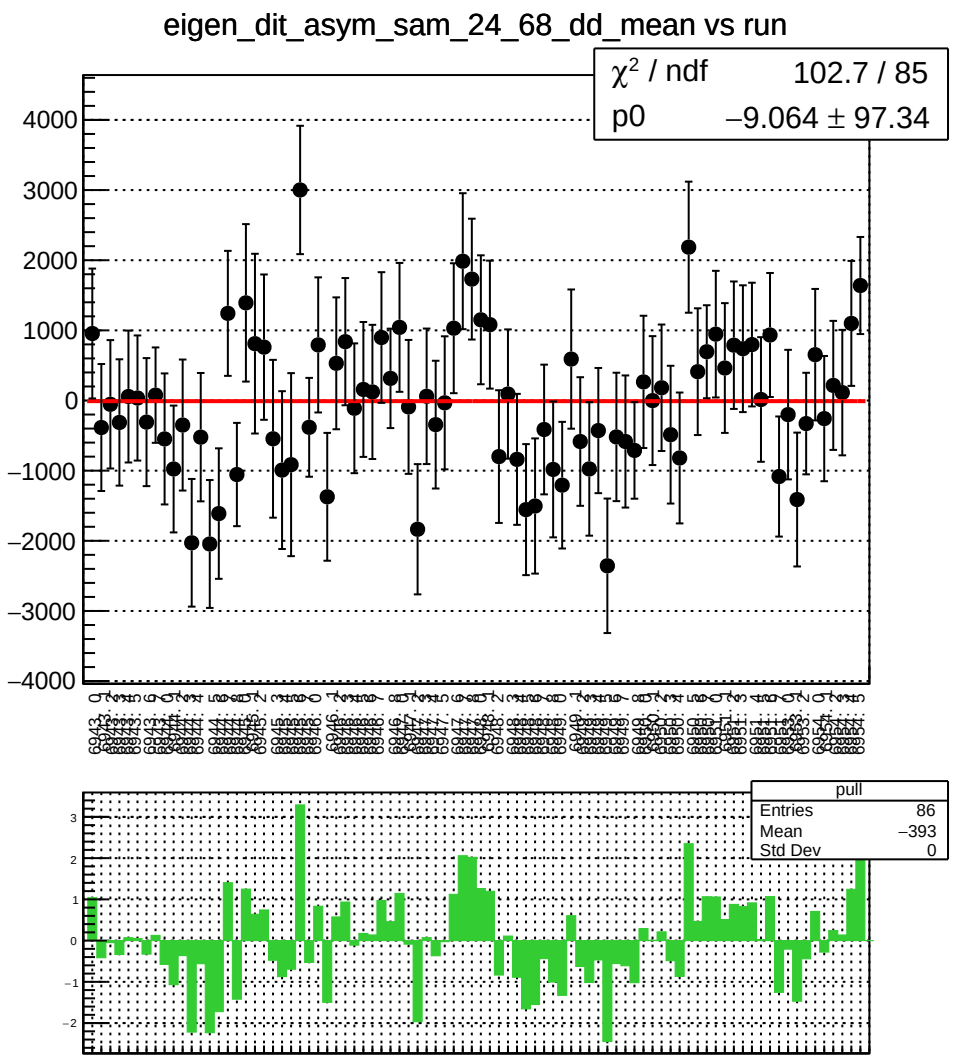

pull1D
Entries 86
Mean −0.008242
Std Dev 1.093

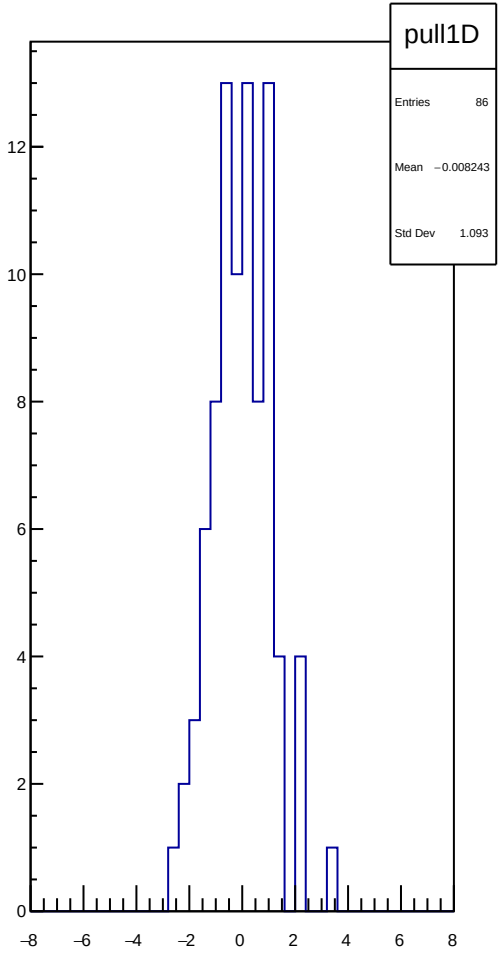

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5840 / 85
p0 88.42 ± 0.06883
125
120
115
110
105
100
95
90
85
80

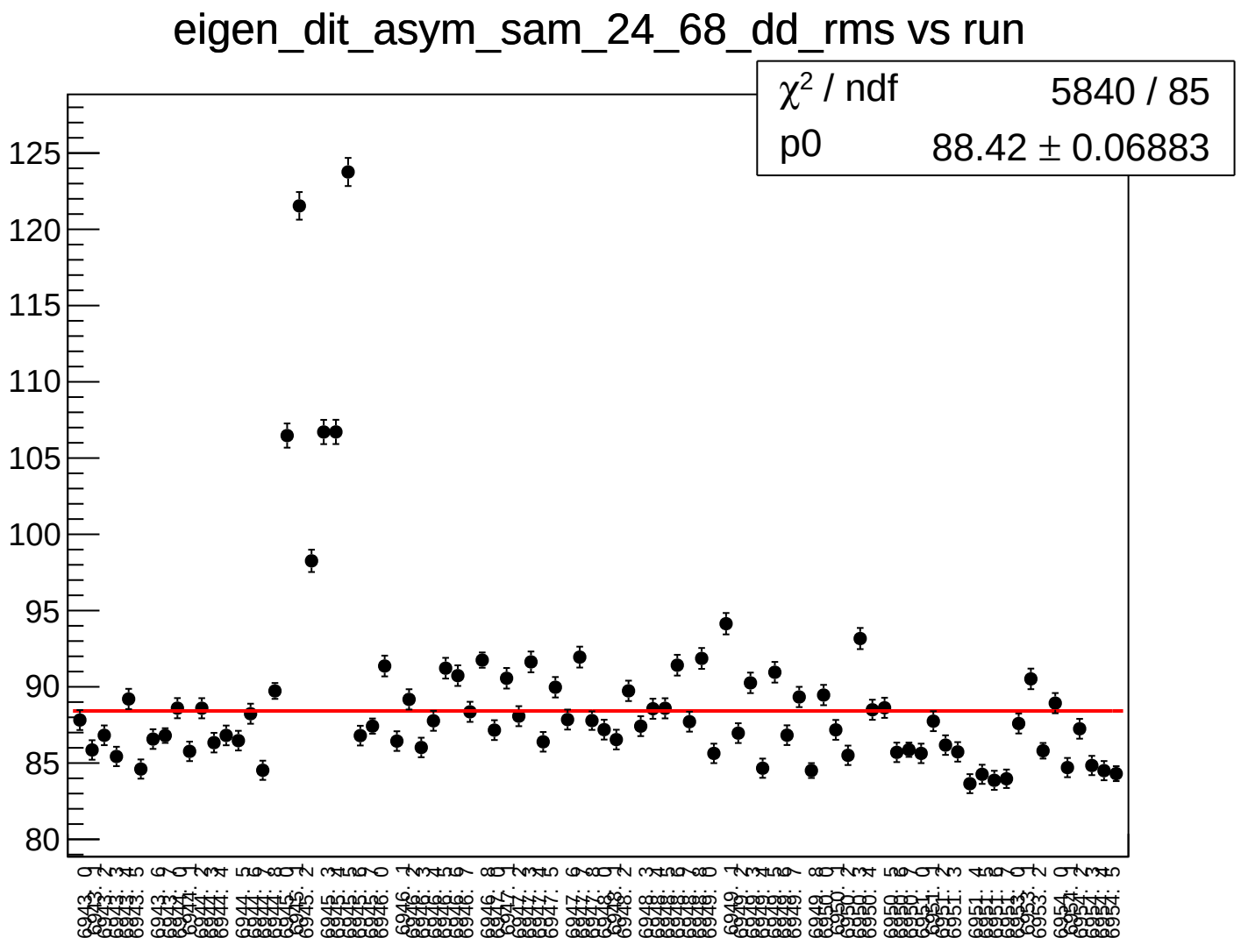

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 84.39 / 85
p0 −4863 ± 1335
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −6.12
Std Dev 0
2
1
0
−1
−2

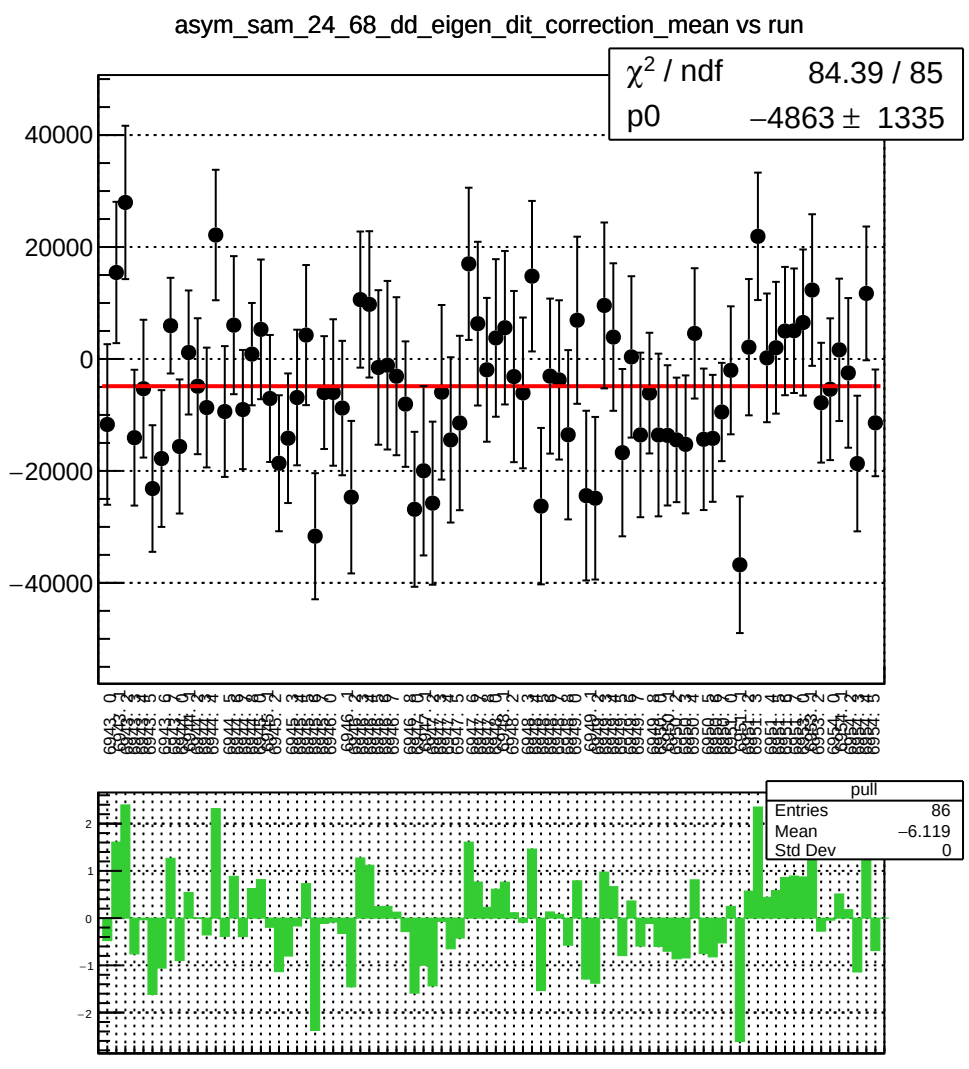

pull1D
Entries 86
Mean −0.006946
Std Dev 0.9906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

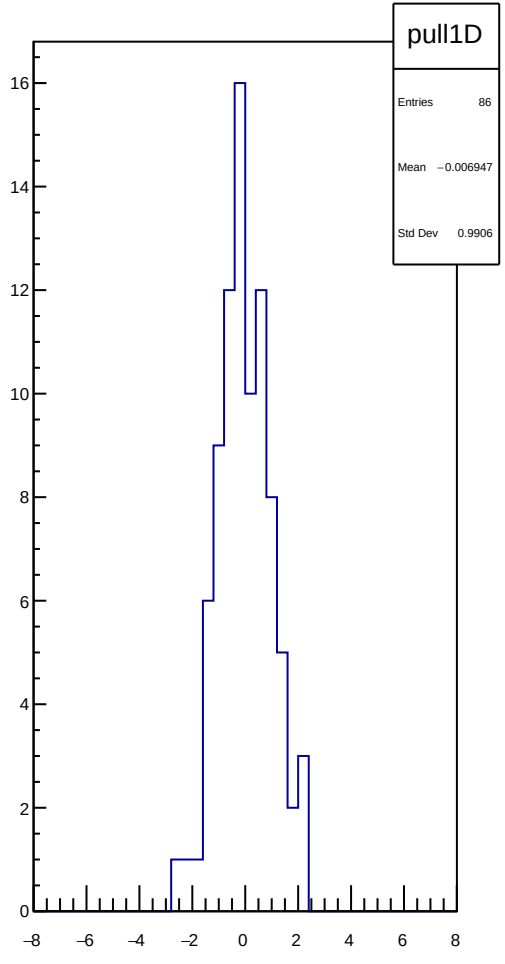

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 1.648e+04 / 85
p0 1209 ± 0.9441
1500
1400
1300
1200
1100
1000

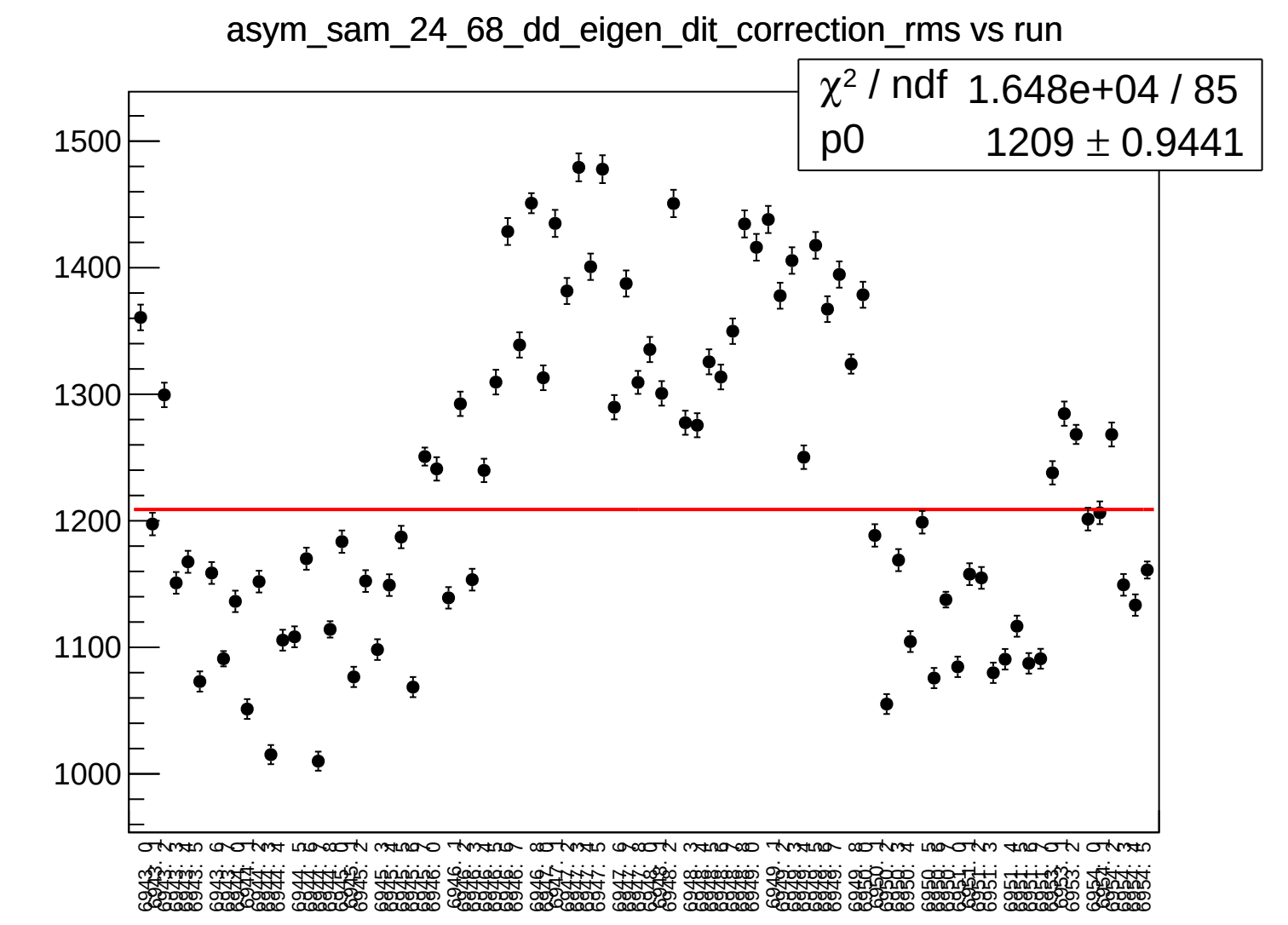

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 102.7 / 85
p0 −9.064 ± 97.34
pull
Entries 86
Mean −393
Std Dev 0

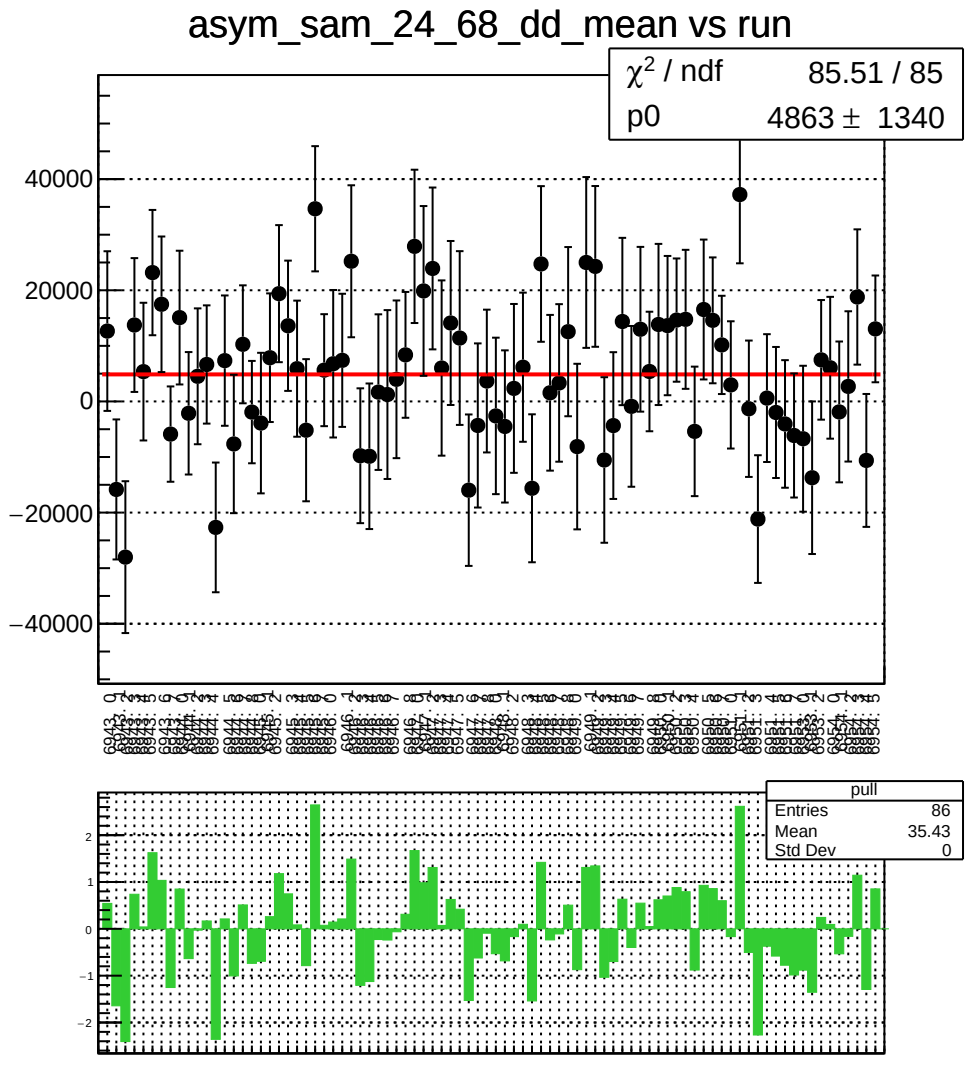

pull1D
Entries 86
Mean −0.008243
Std Dev 1.093

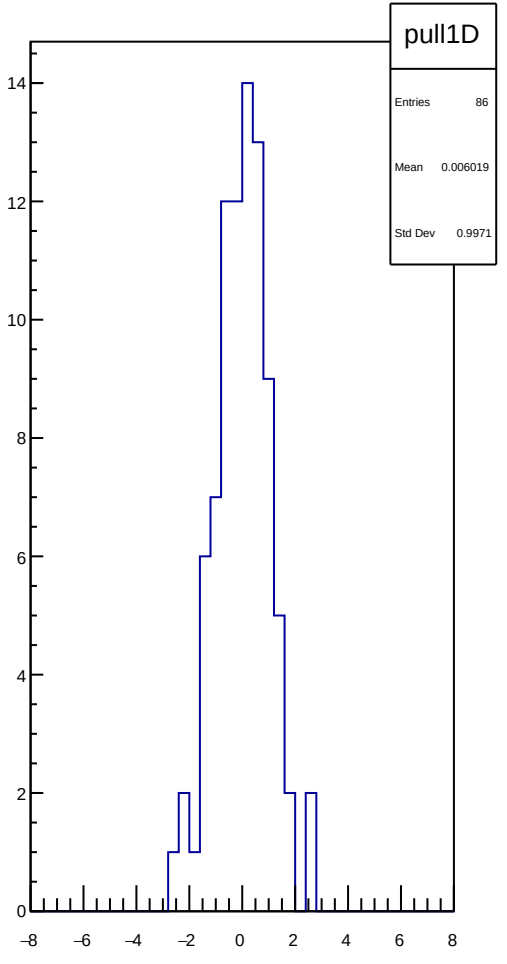

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5840 / 85
p0 88.42 ± 0.06883
125
120
115
110
105
100
95
90
85
80

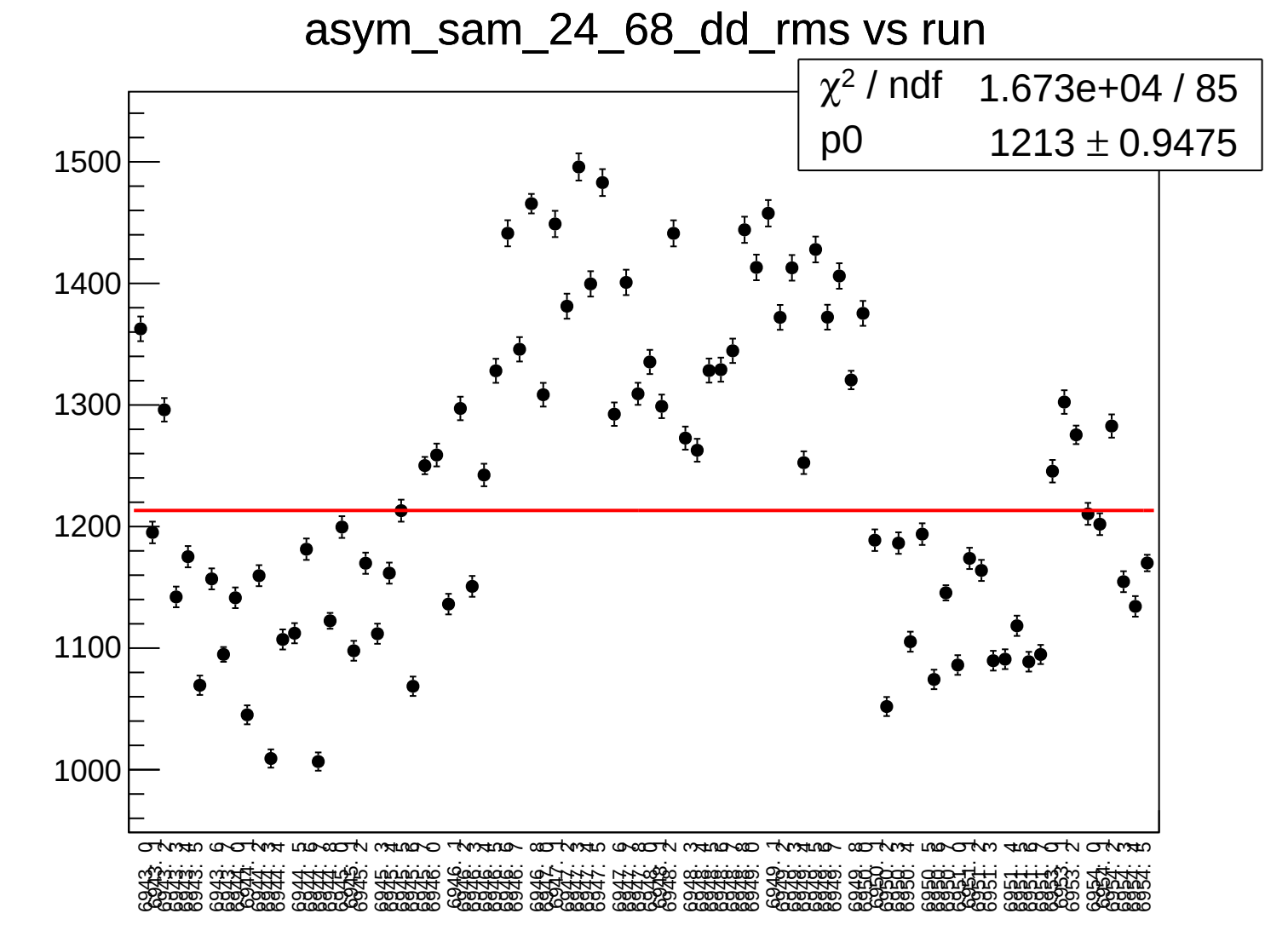

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.39 / 85
p0 −4863 ± 1335
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −6.119
Std Dev 0
2
1
0
−1
−2

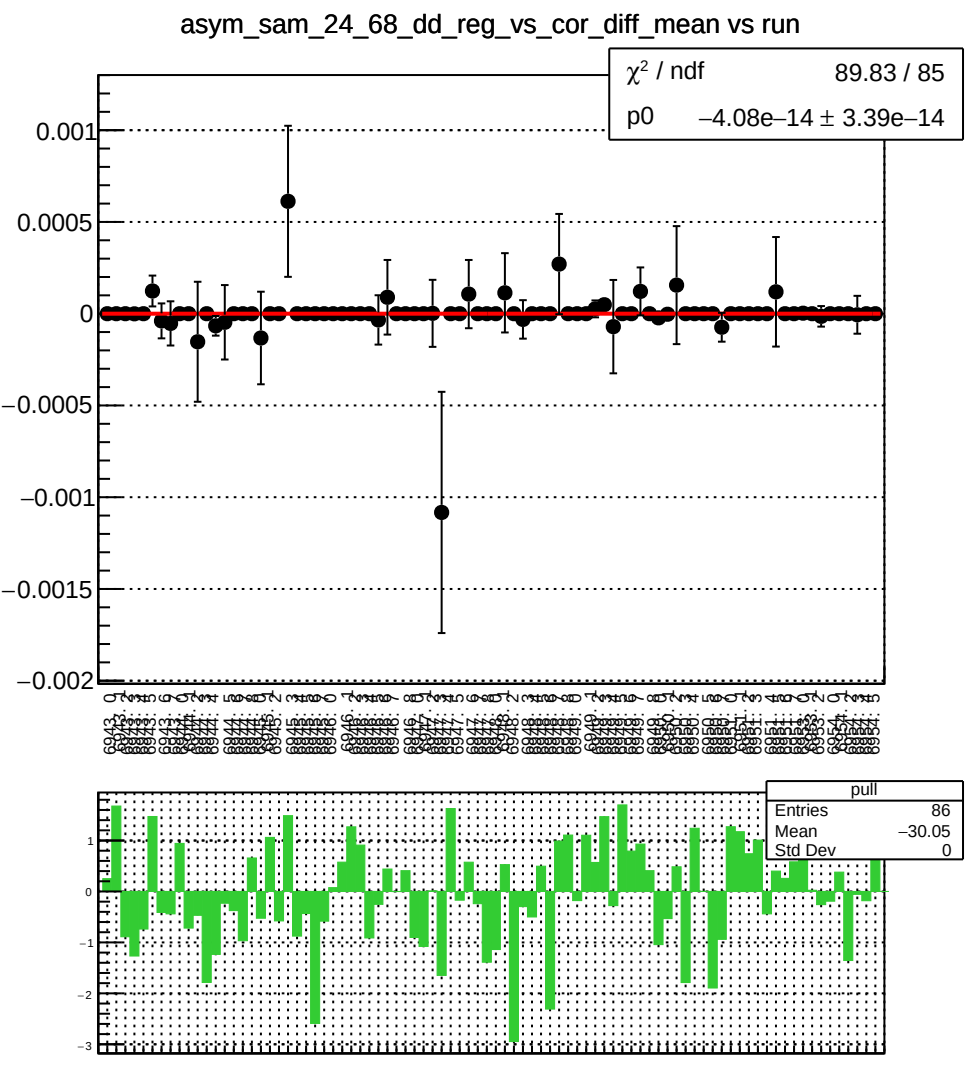

pull1D
Entries 86
Mean −0.006947
Std Dev 0.9906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

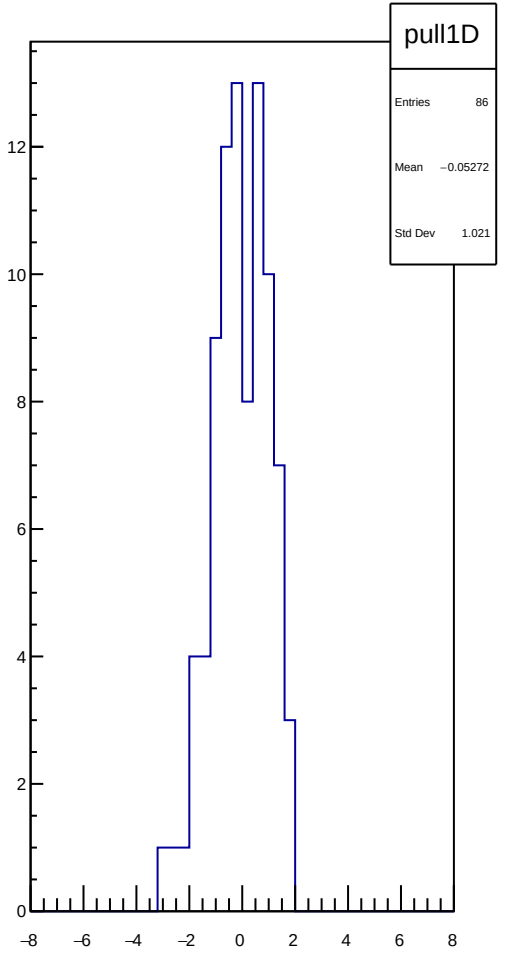

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.648e+04 / 85
p0 1209 ± 0.9441
1500
1400
1300
1200
1100
1000

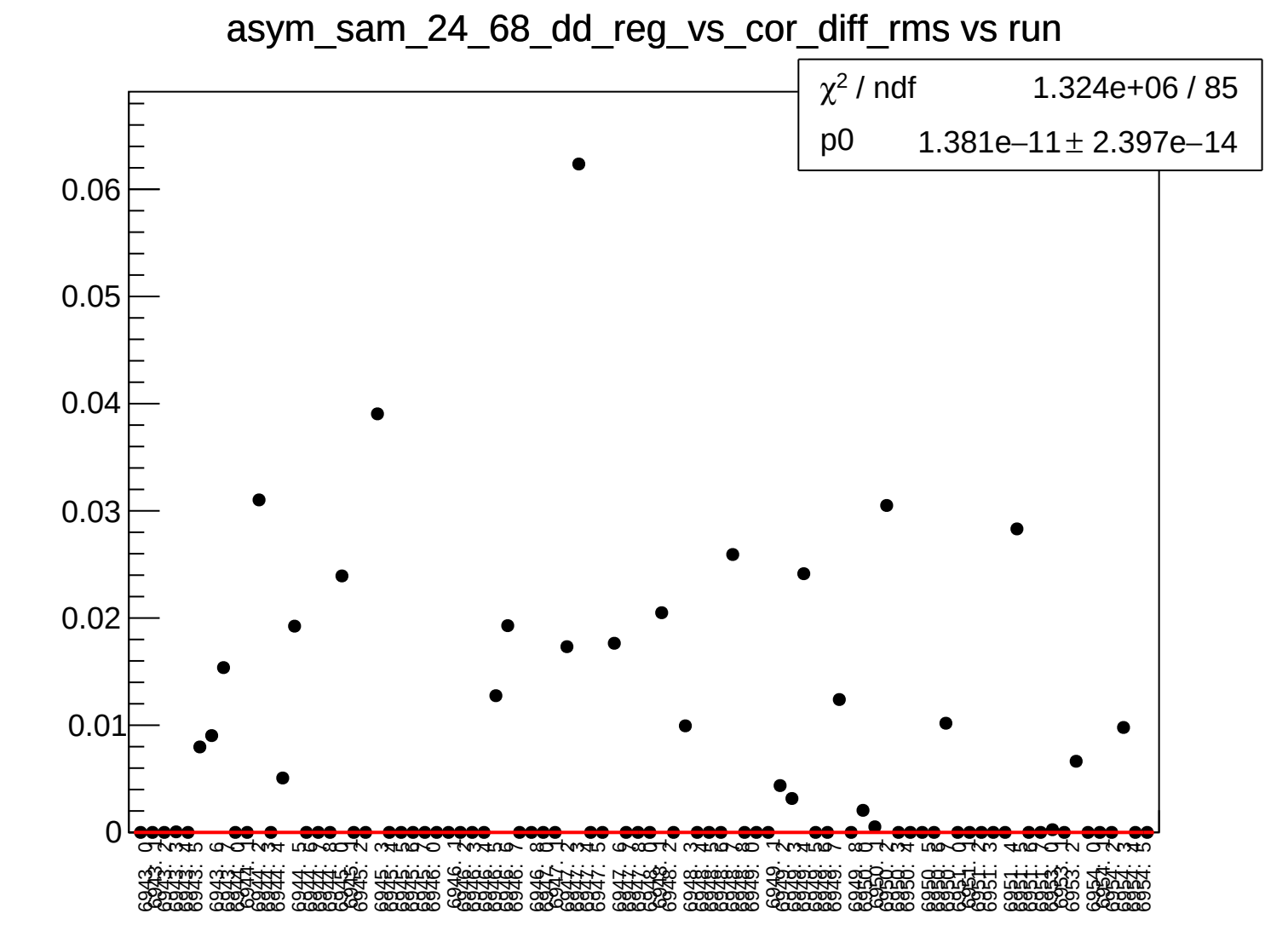

asym_sam_24_68_dd_mean vs run
χ² / ndf 85.51 / 85
p0 4863 ± 1340
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 35.43
Std Dev 0
2
1
0
−1
−2

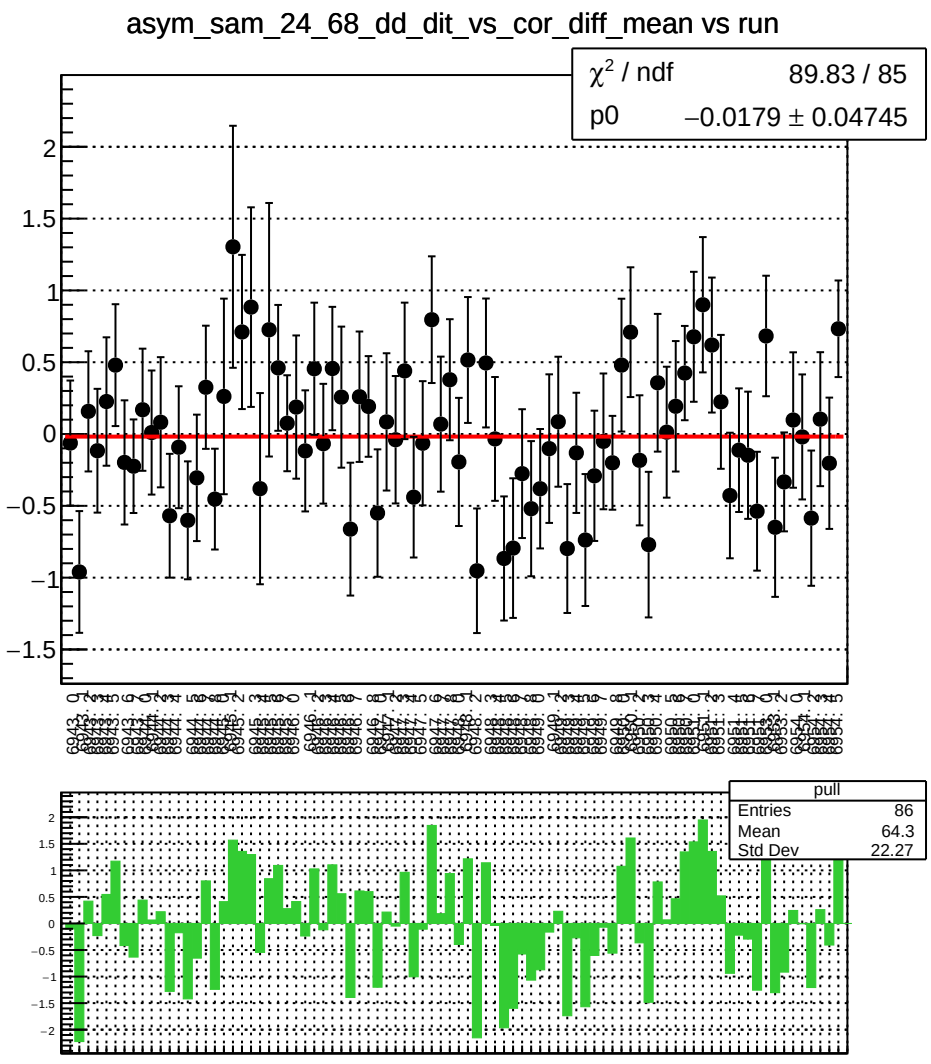

pull1D
Entries 86
Mean 0.006019
Std Dev 0.9971
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

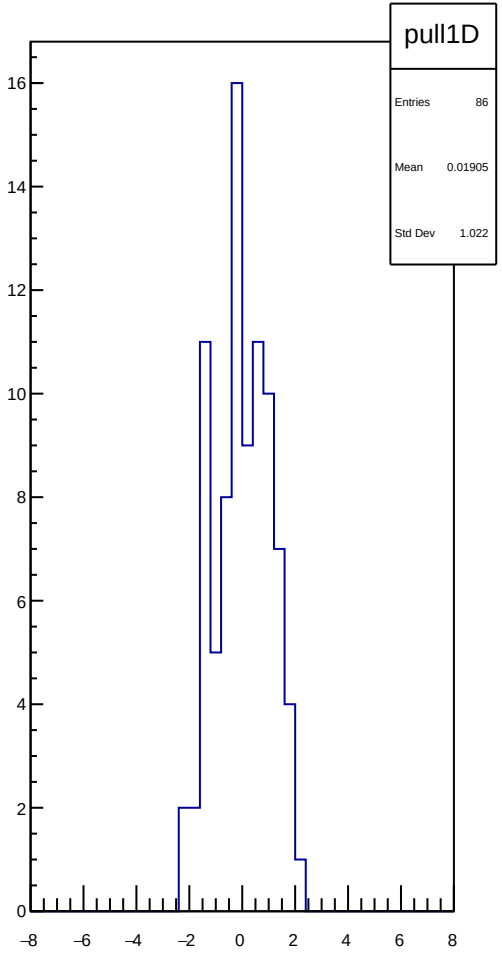

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.673e+04 / 85
p0 1213 ± 0.9475
1500
1400
1300
1200
1100
1000

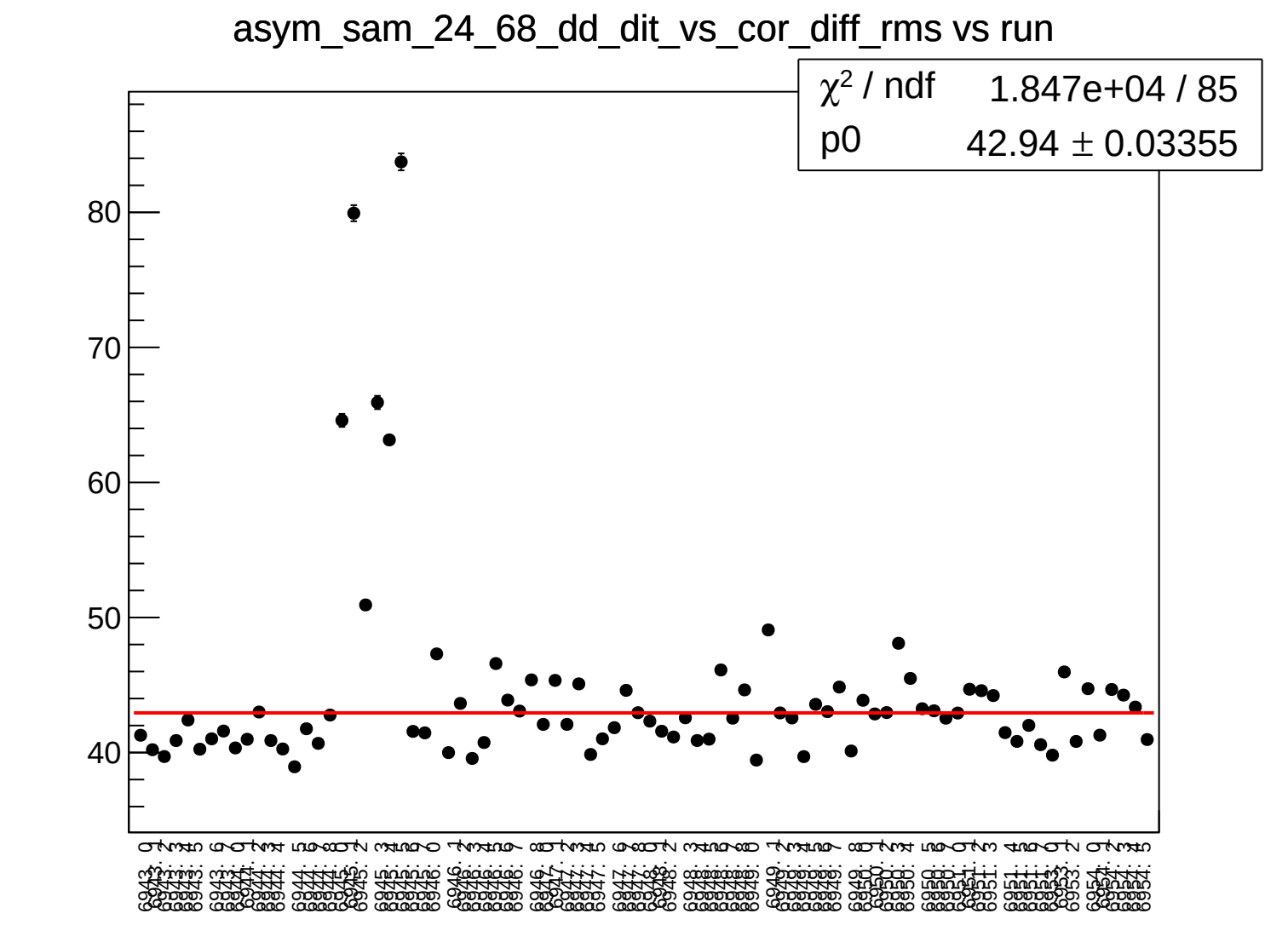

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 89.83 / 85
p0 −4.08e−14 ± 3.39e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 86
Mean −30.05
Std Dev 0
1
0
−1
−2
−3

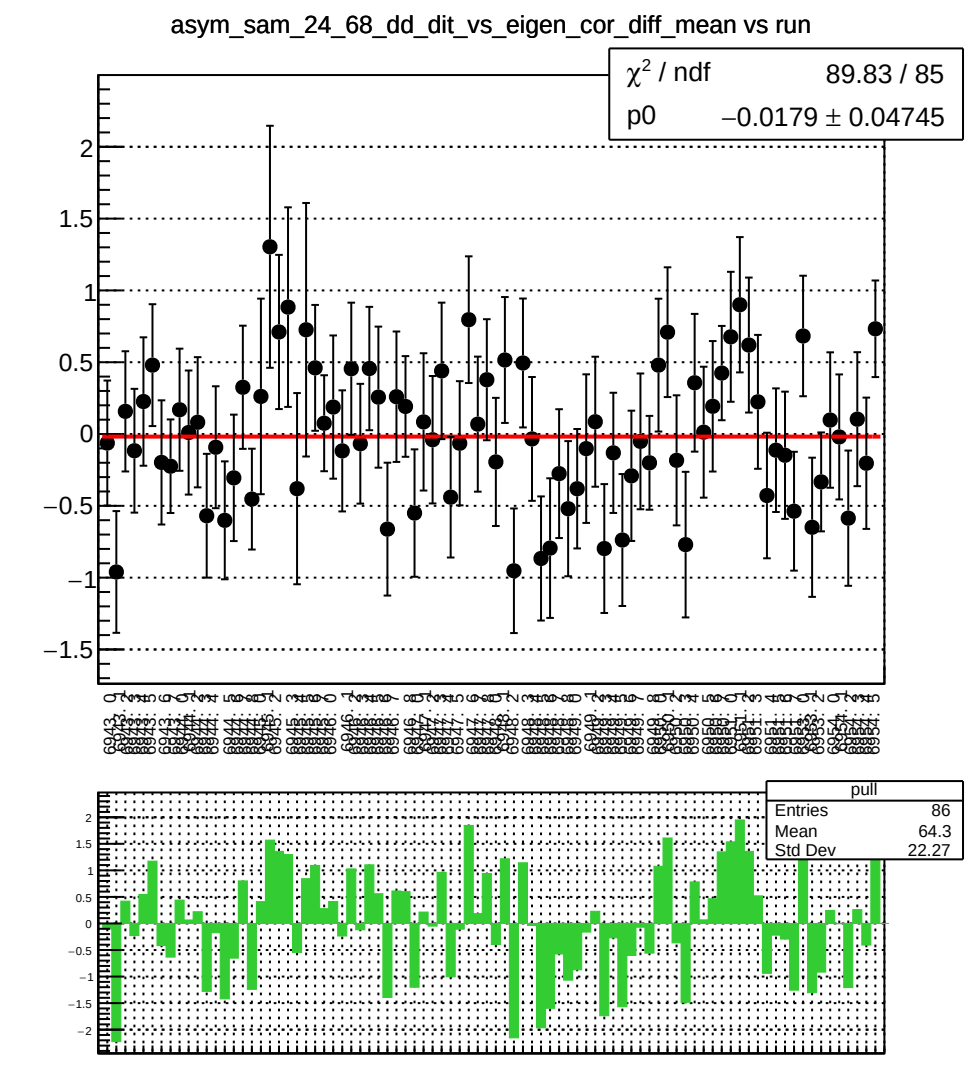

pull1D
Entries 86
Mean −0.05272
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

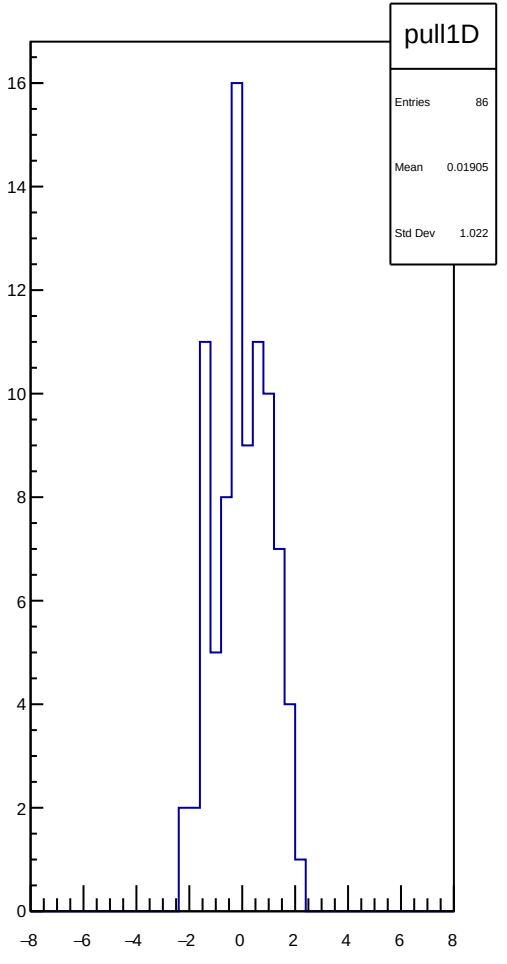

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.324e+06 / 85
p0 1.381e−11 ± 2.397e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

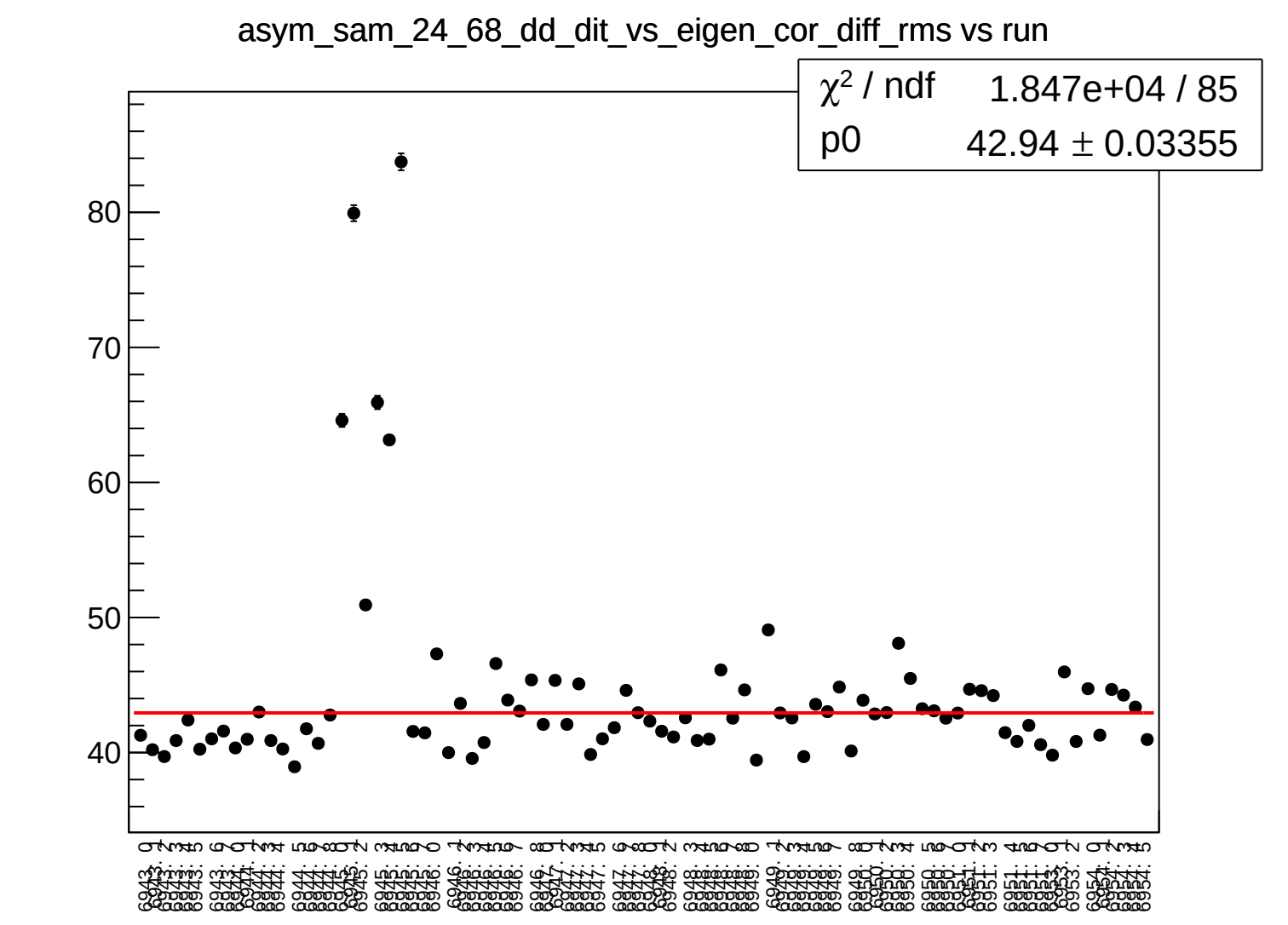

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.83 / 85
p0 −0.0179 ± 0.04745
pull
Entries 86
Mean 64.3
Std Dev 22.27

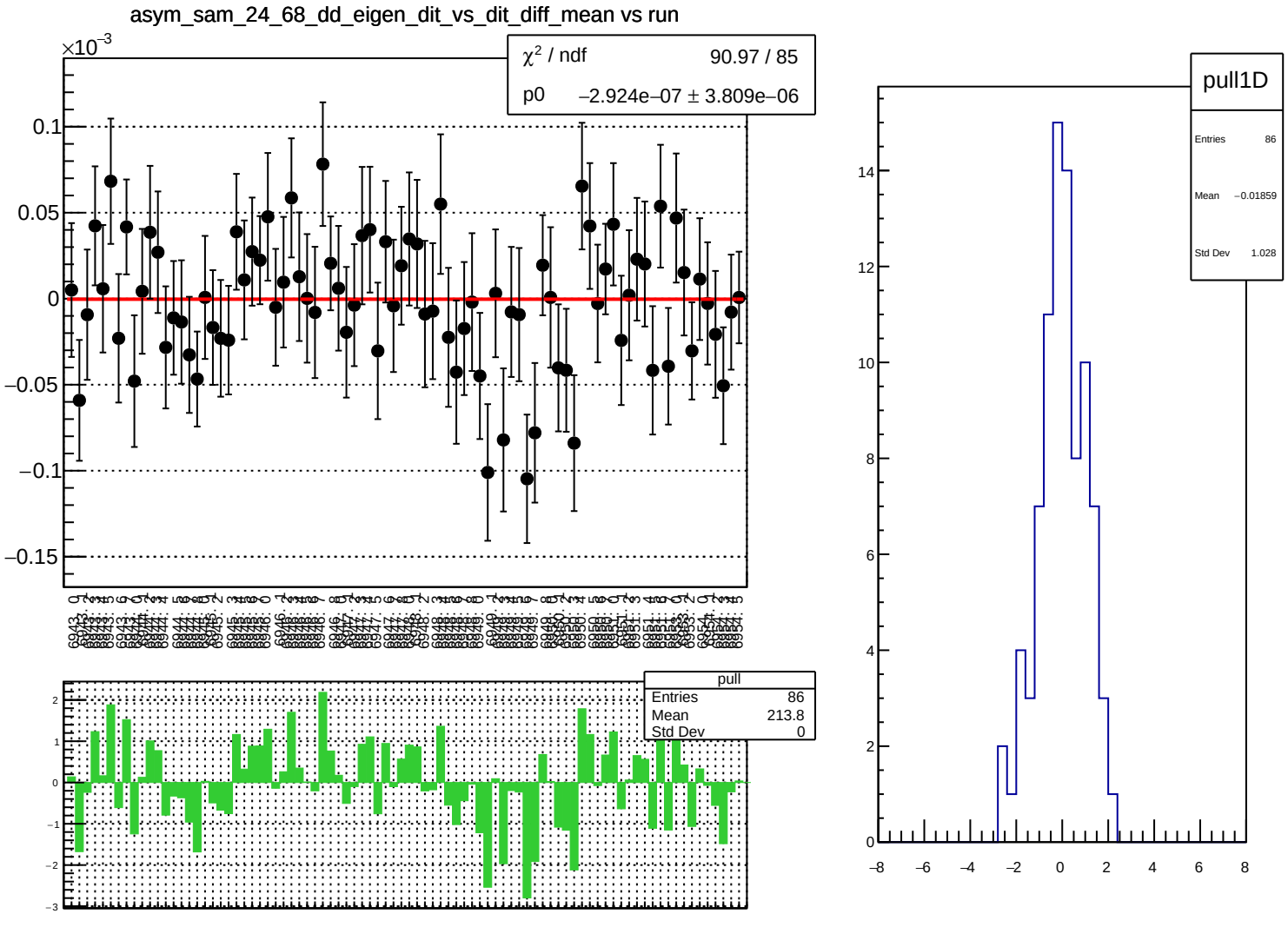

pull1D
Entries 86
Mean 0.01905
Std Dev 1.022

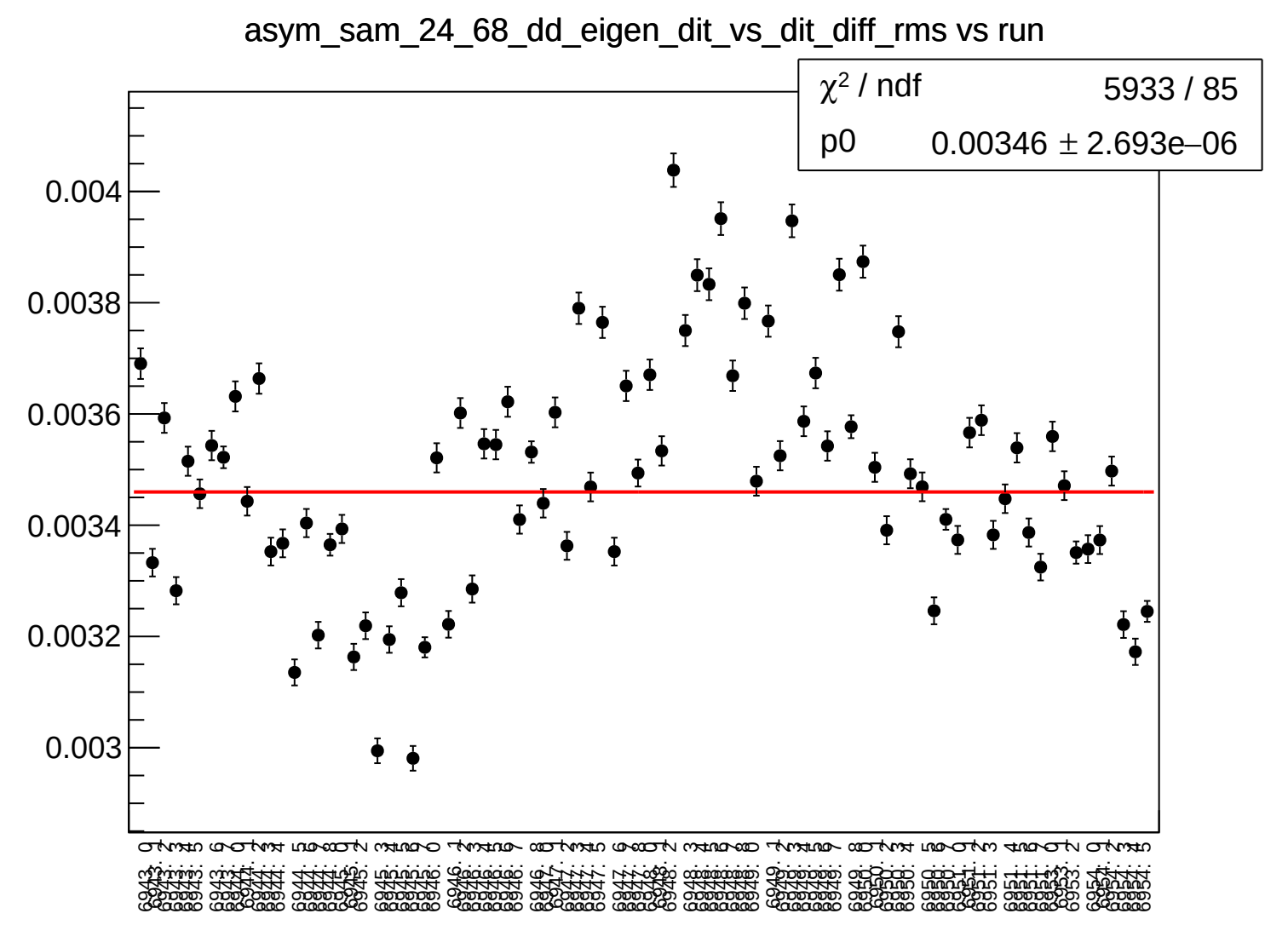

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.847e+04 / 85
p0 42.94 ± 0.03355
80
70
60
50
40

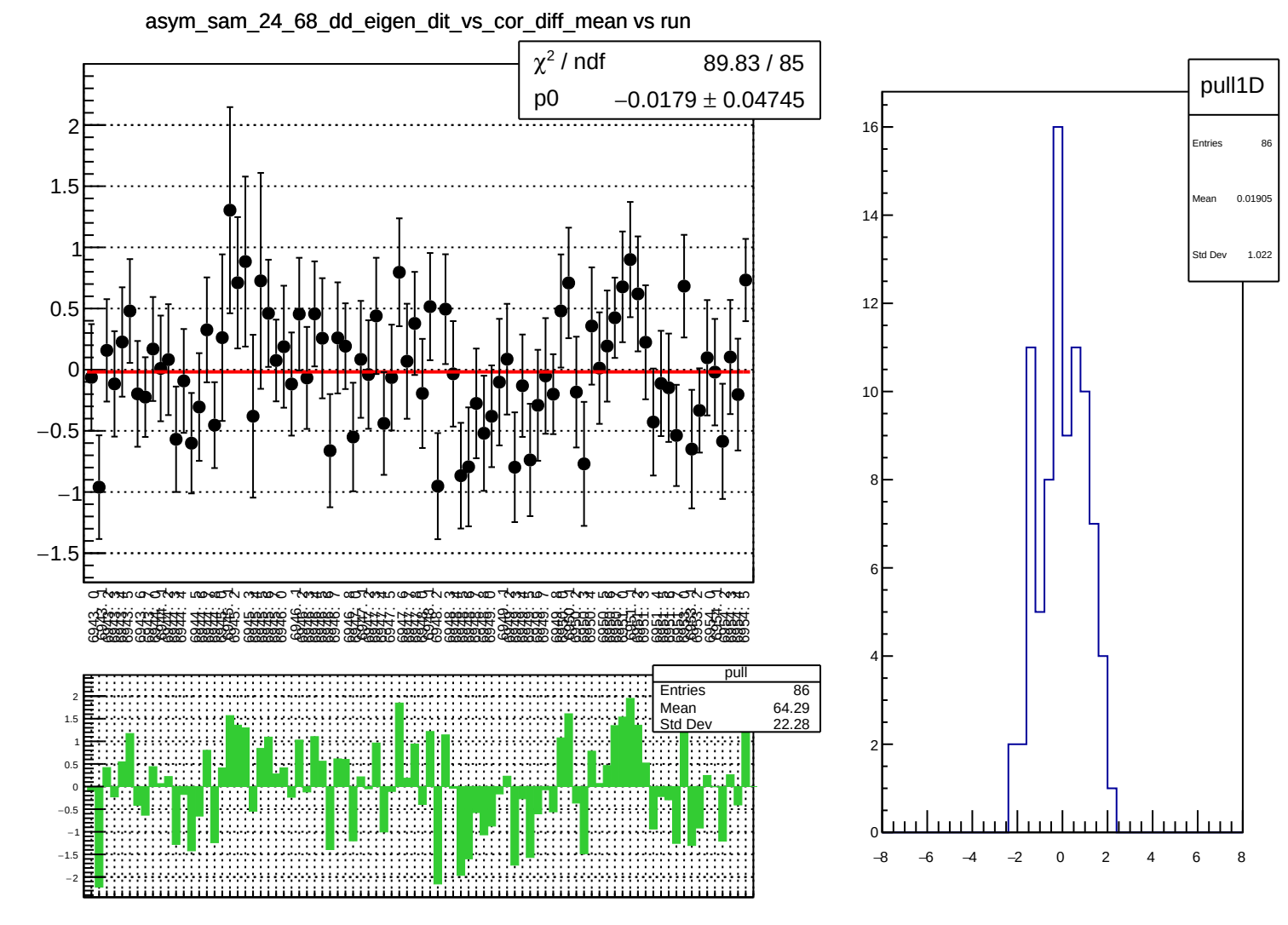

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.83 / 85
p0 −0.0179 ± 0.04745
pull
Entries 86
Mean 64.3
Std Dev 22.27

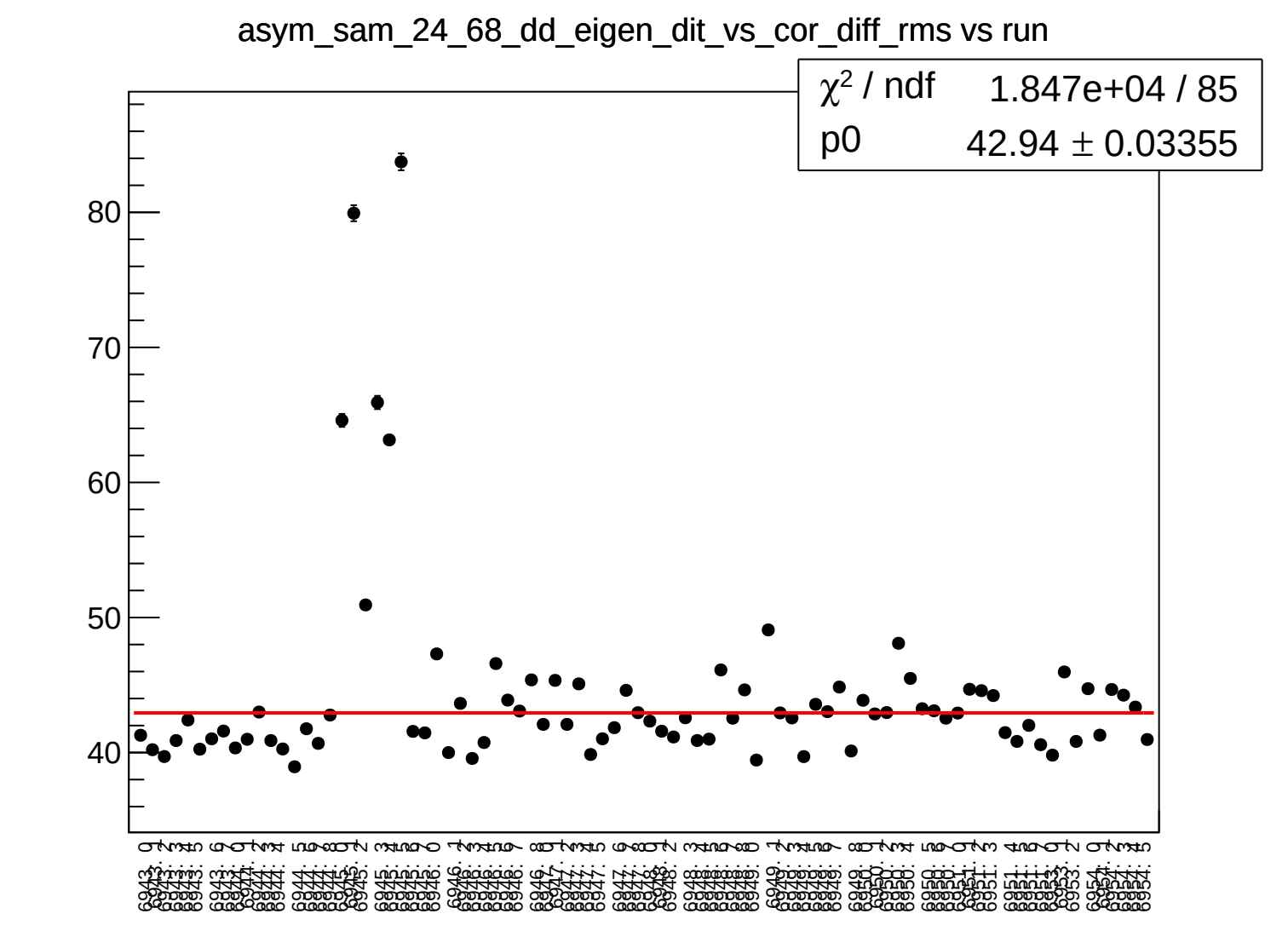

pull1D
Entries 86
Mean 0.01905
Std Dev 1.022

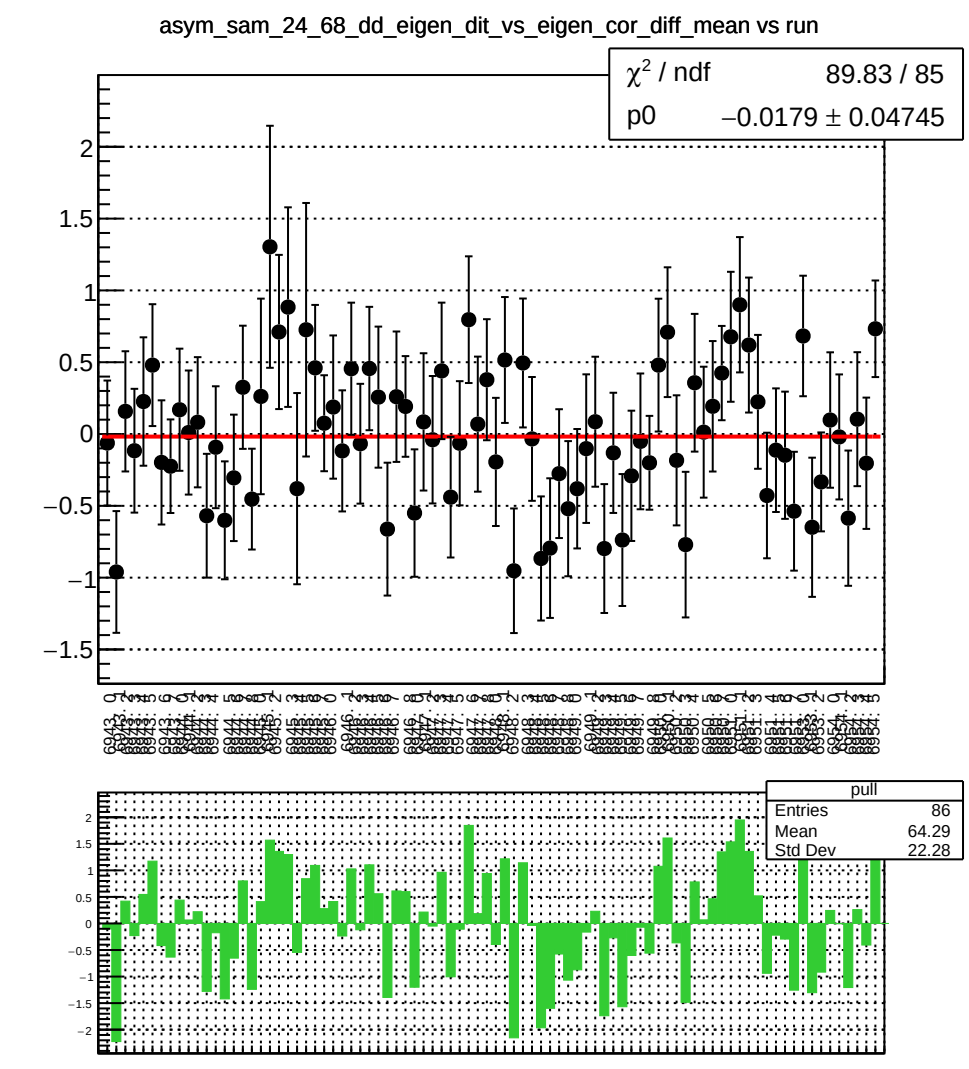

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.847e+04 / 85
p0 42.94 ± 0.03355
80
70
60
50
40

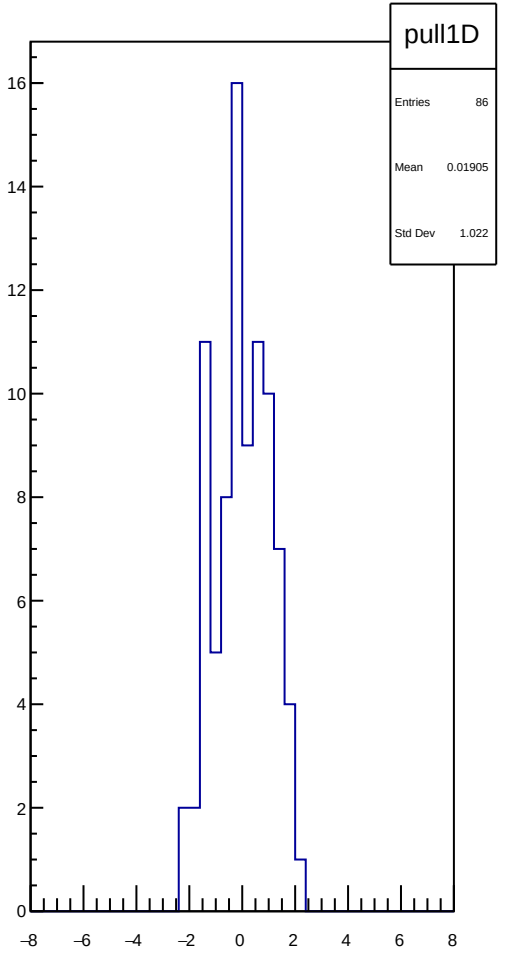

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 90.97 / 85
p0 −2.924e−07 ± 3.809e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 213.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01859
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

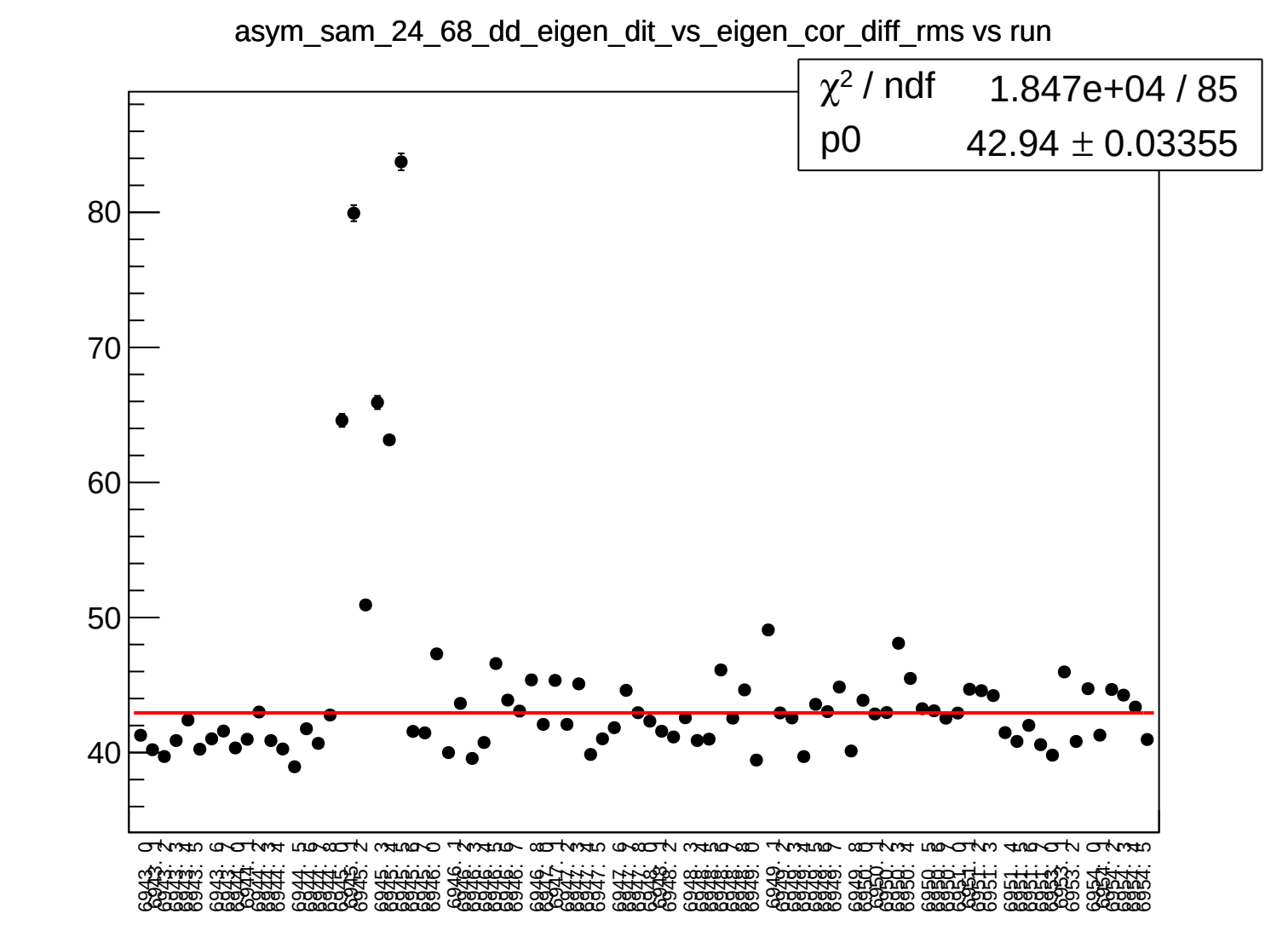

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5933 / 85
p0 0.00346 ± 2.693e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

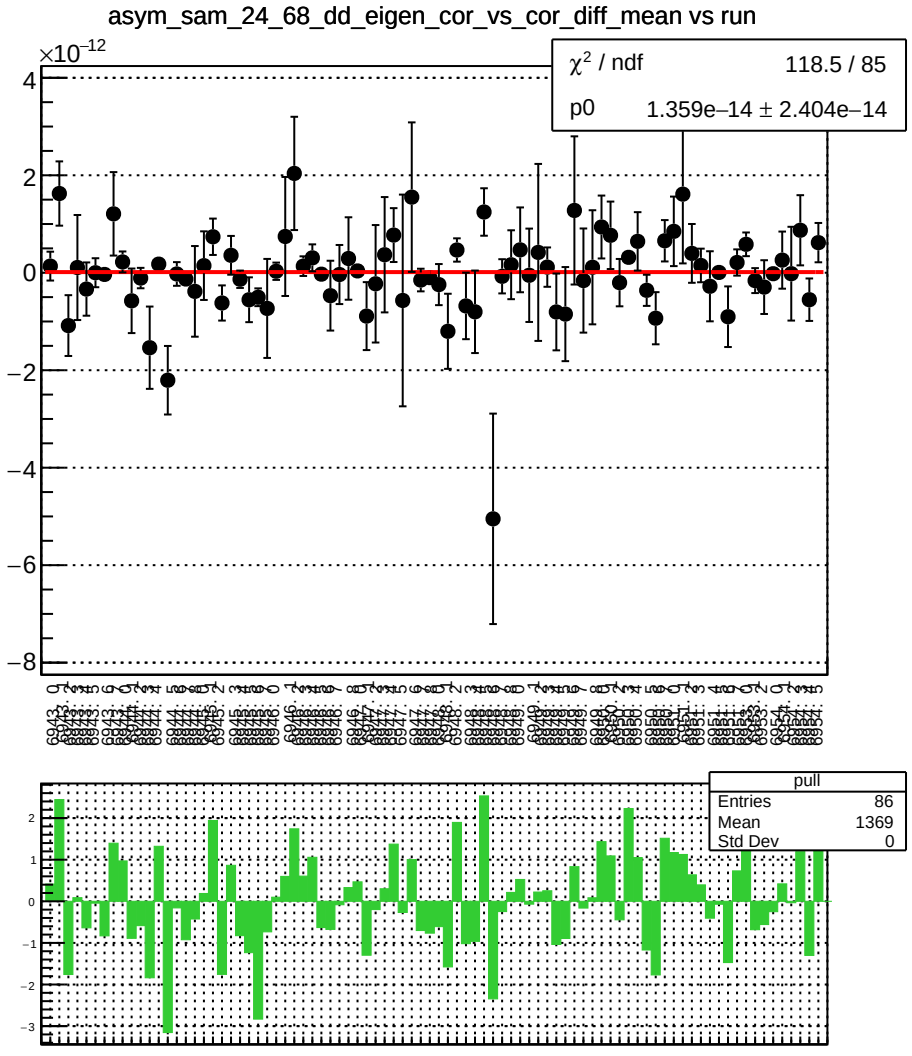

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.83 / 85
p0 −0.0179 ± 0.04745
pull
Entries 86
Mean 64.29
Std Dev 22.28
pull1D
Entries 86
Mean 0.01905
Std Dev 1.022

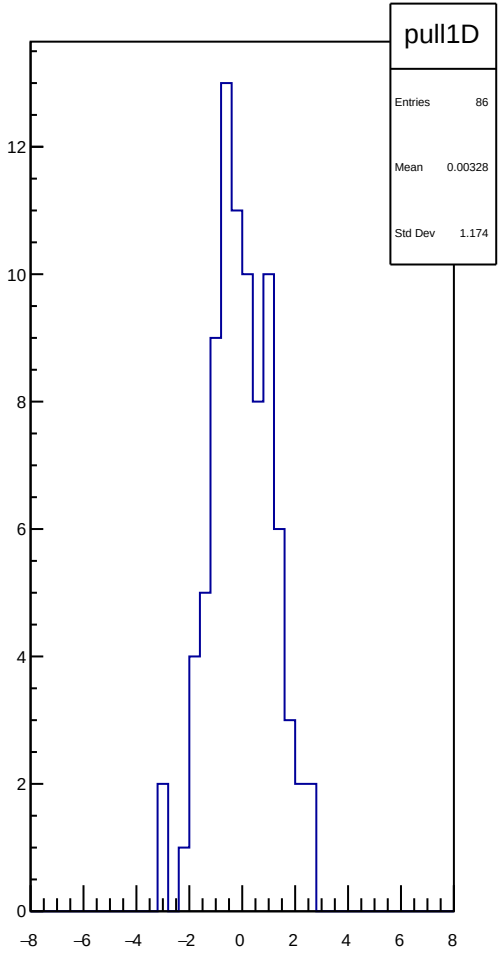

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.847e+04 / 85
p0 42.94 ± 0.03355
80
70
60
50
40

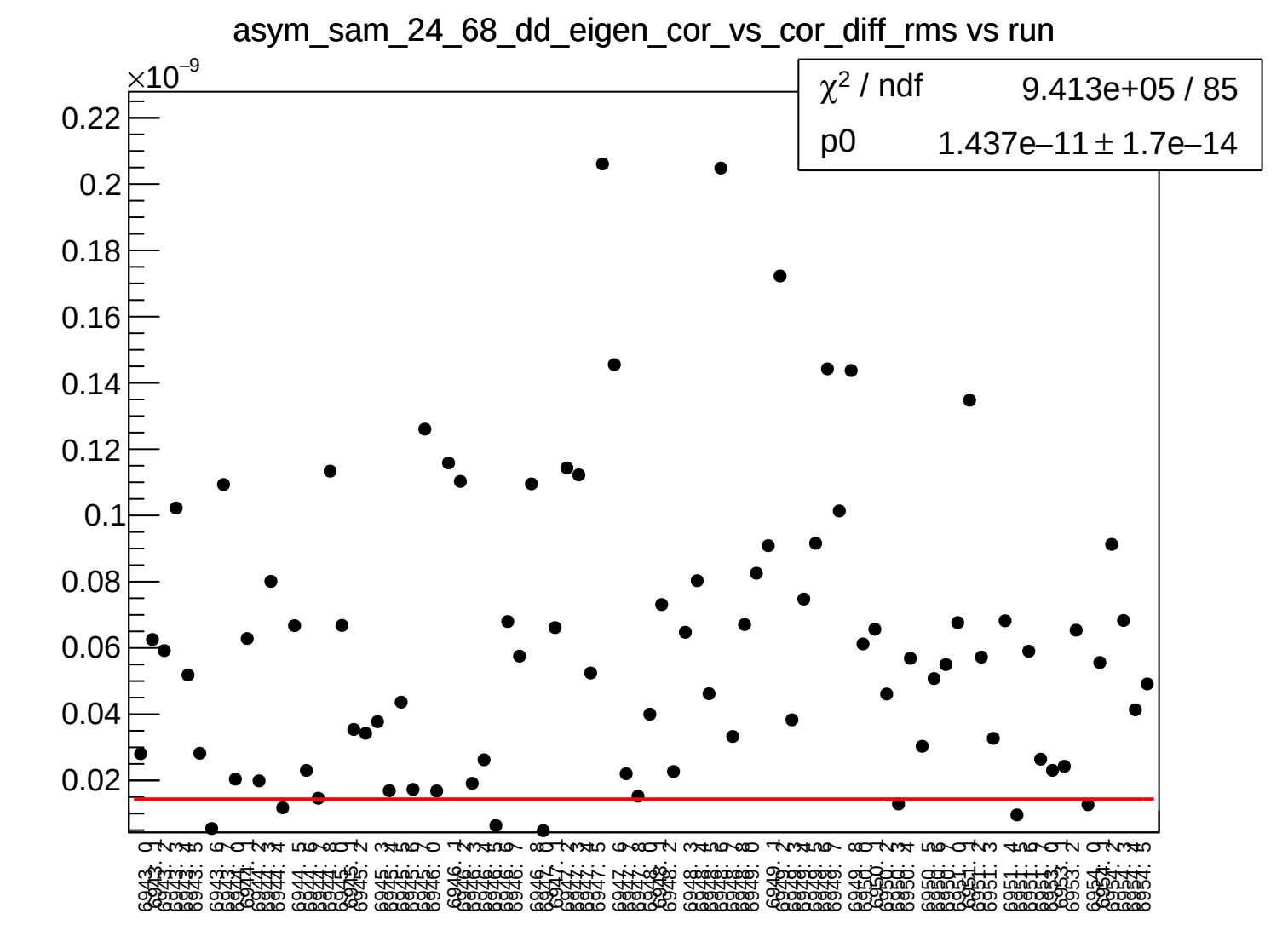

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.83 / 85
p0 −0.0179 ± 0.04745
pull
Entries 86
Mean 64.29
Std Dev 22.28

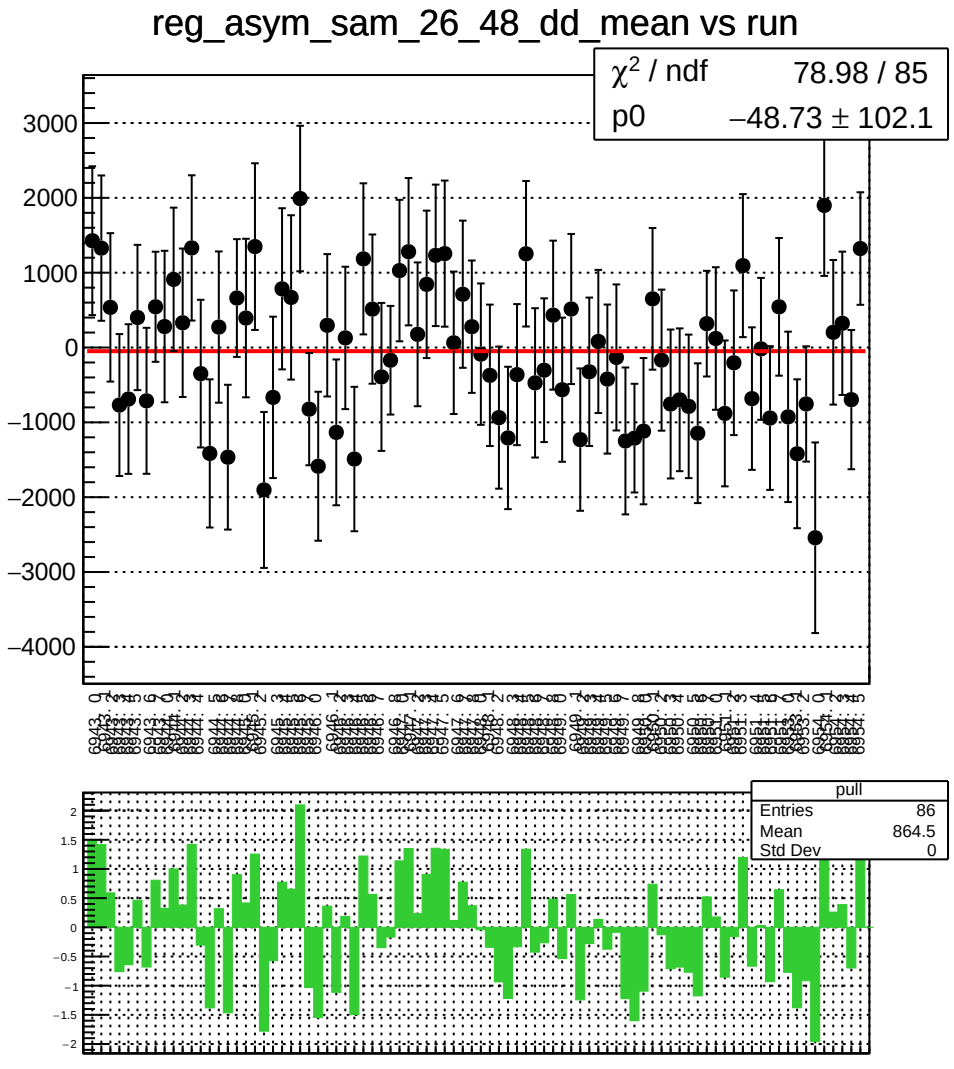

pull1D
Entries 86
Mean 0.01905
Std Dev 1.022

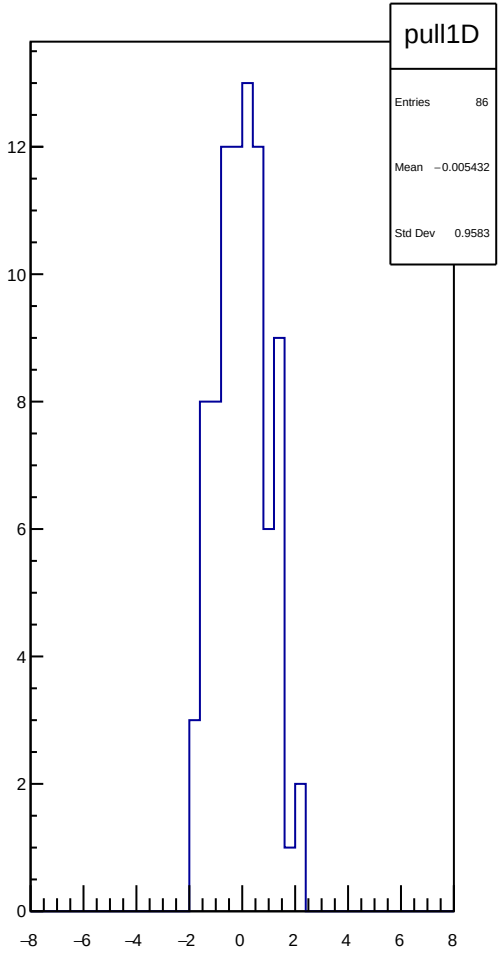

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.847e+04 / 85
p0 42.94 ± 0.03355
80
70
60
50
40


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 118.5 / 85
p0 1.359e−14 ± 2.404e−14
pull
Entries 86
Mean 1369
Std Dev 0

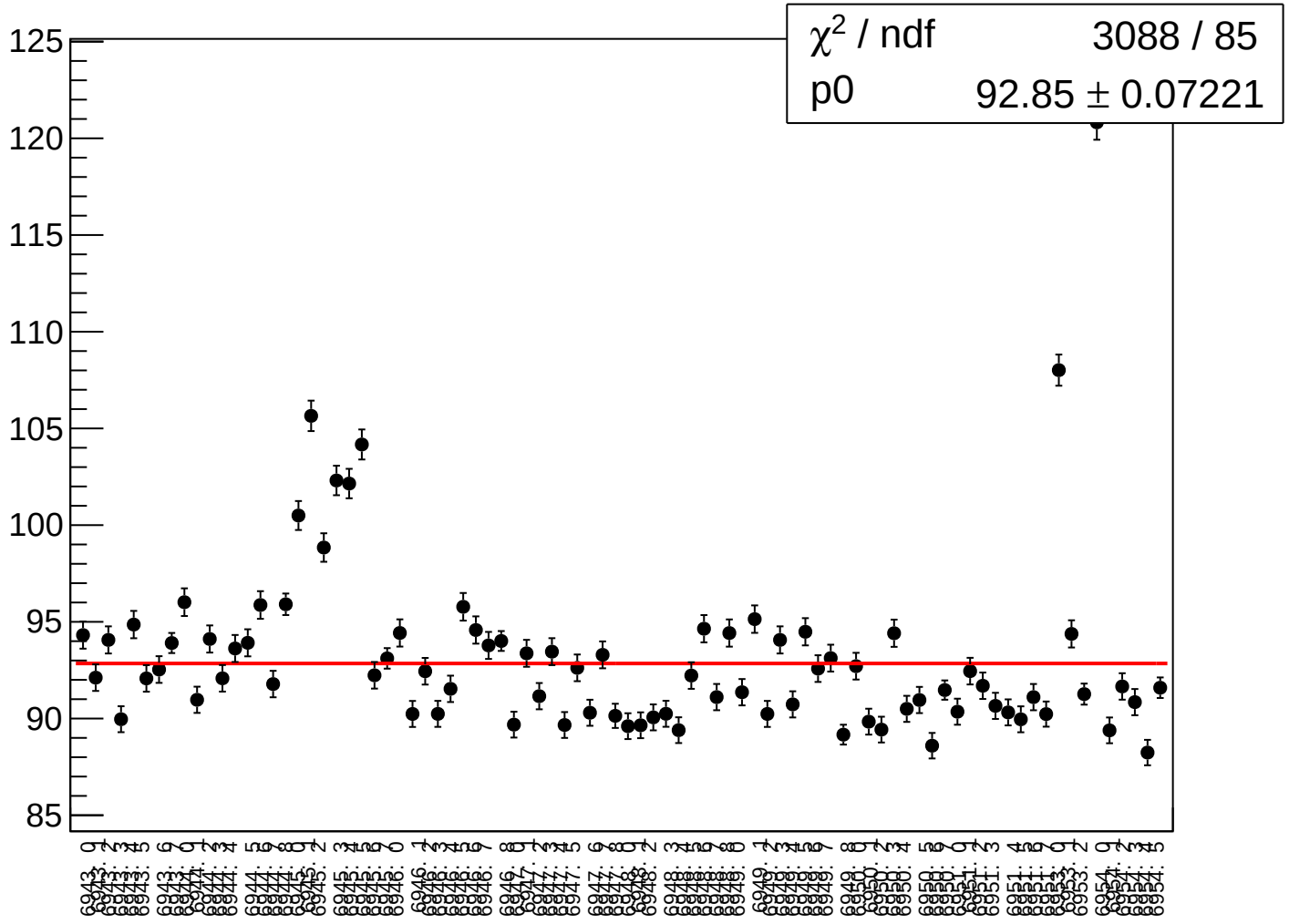

pull1D
Entries 86
Mean 0.00328
Std Dev 1.174

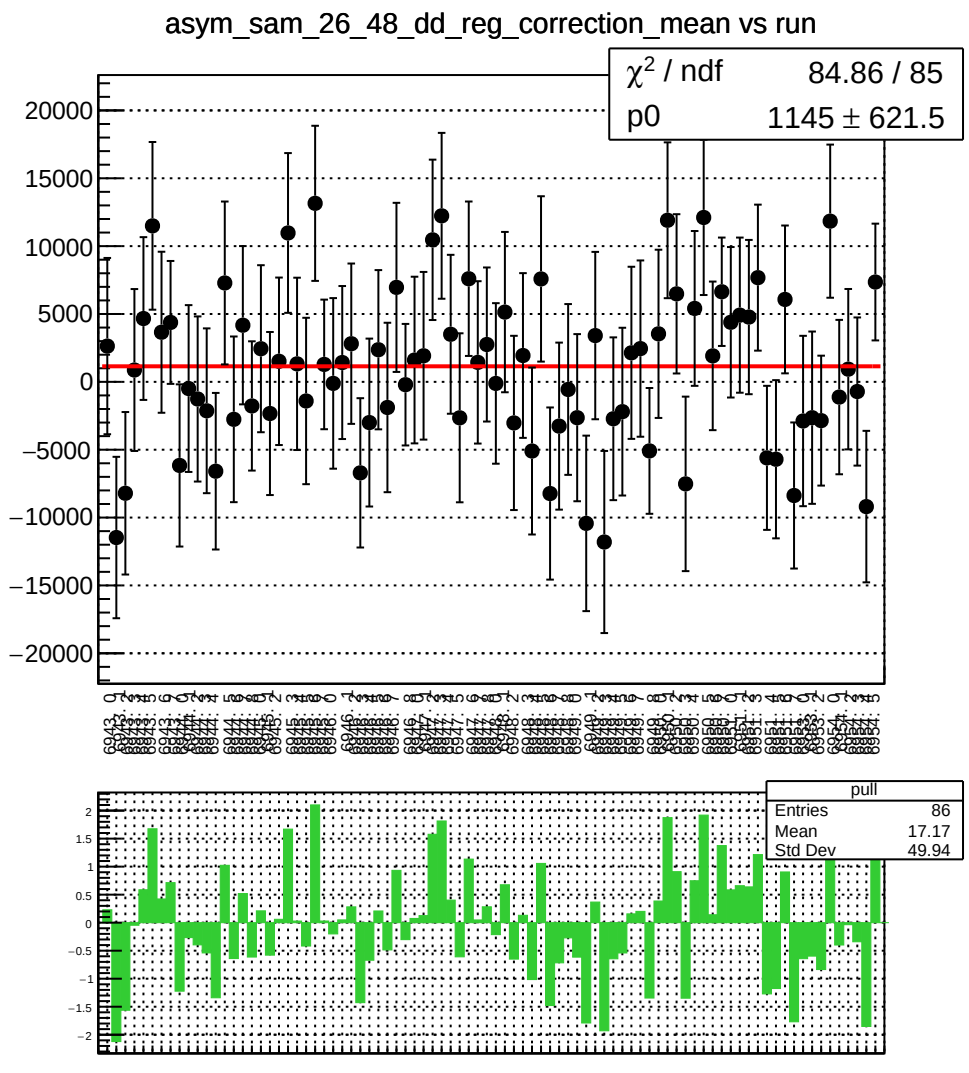

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.413e+05 / 85
p0 1.437e−11 ± 1.7e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

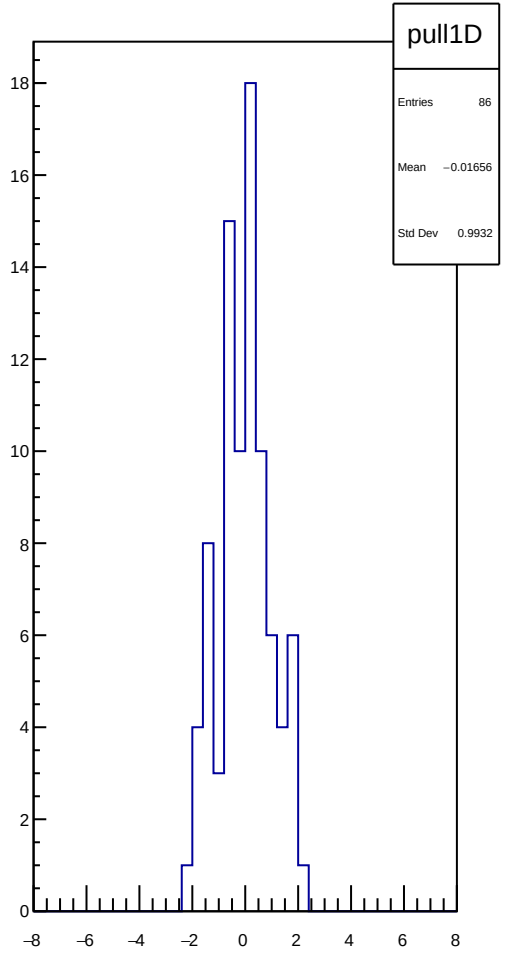

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.98 / 85
p0 −48.73 ± 102.1
pull
Entries 86
Mean 864.5
Std Dev 0

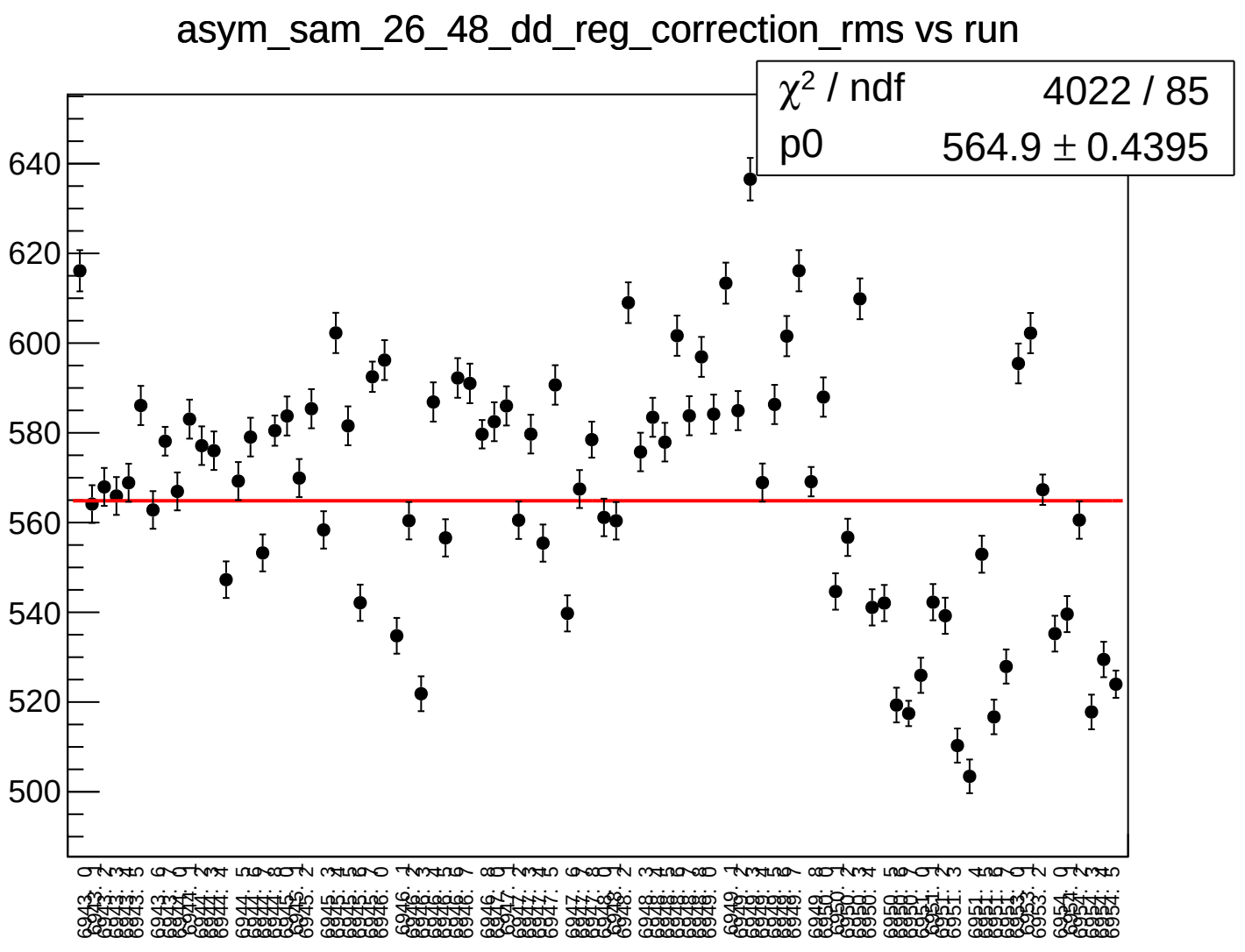

pull1D
Entries 86
Mean −0.005432
Std Dev 0.9583

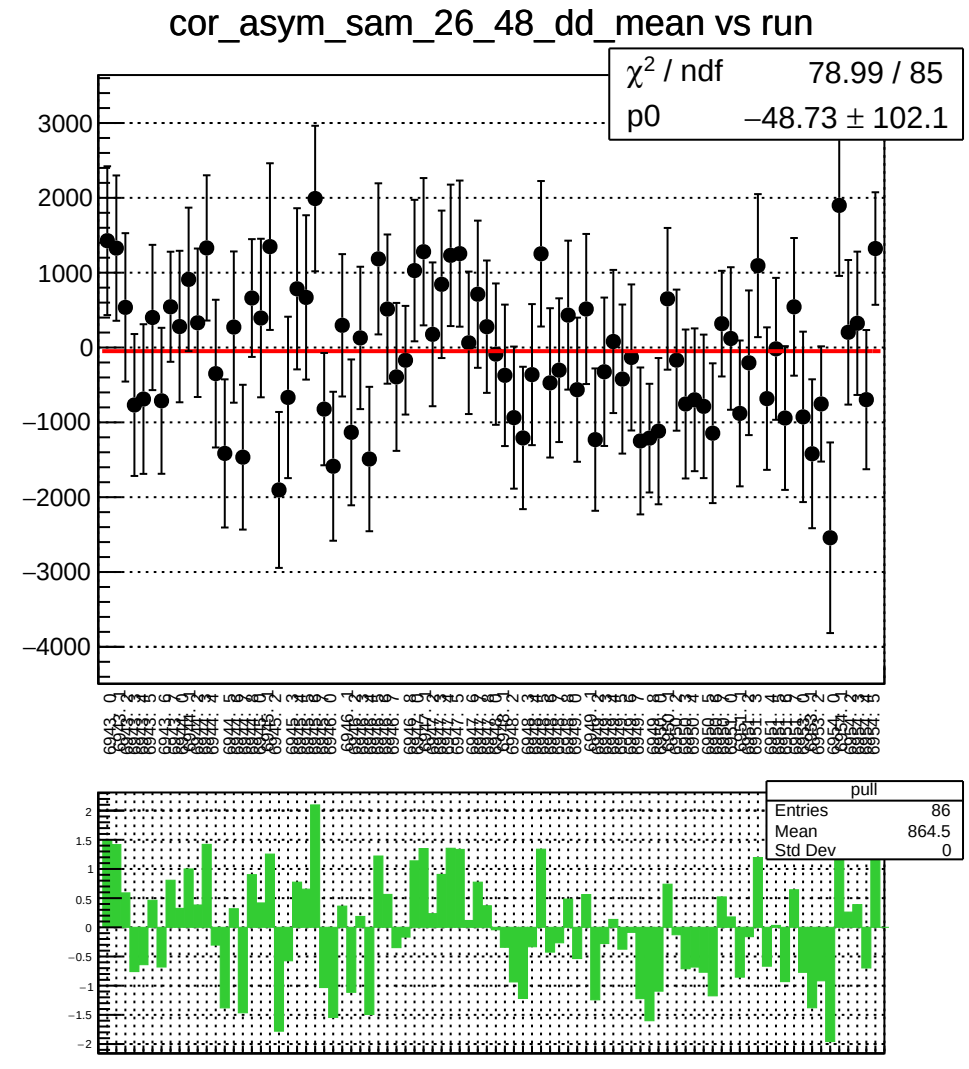
reg_asym_sam_26_48_dd_rms vs run

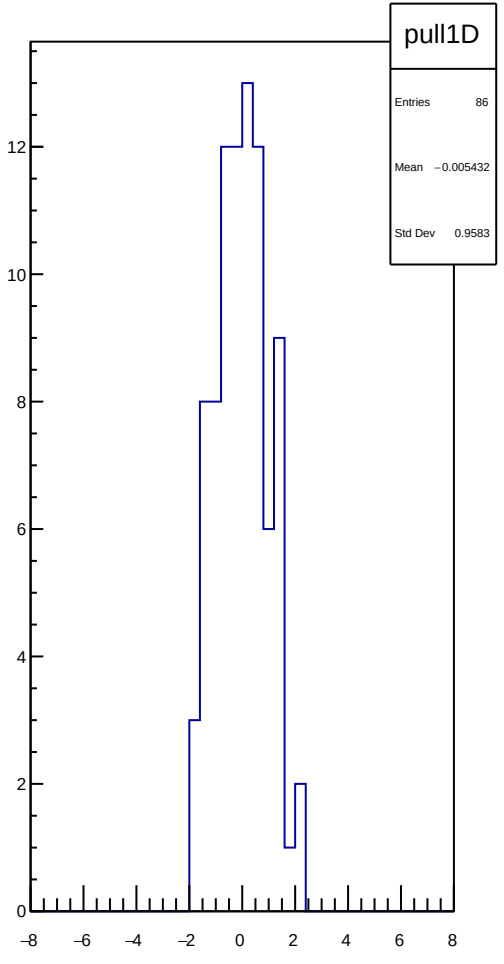


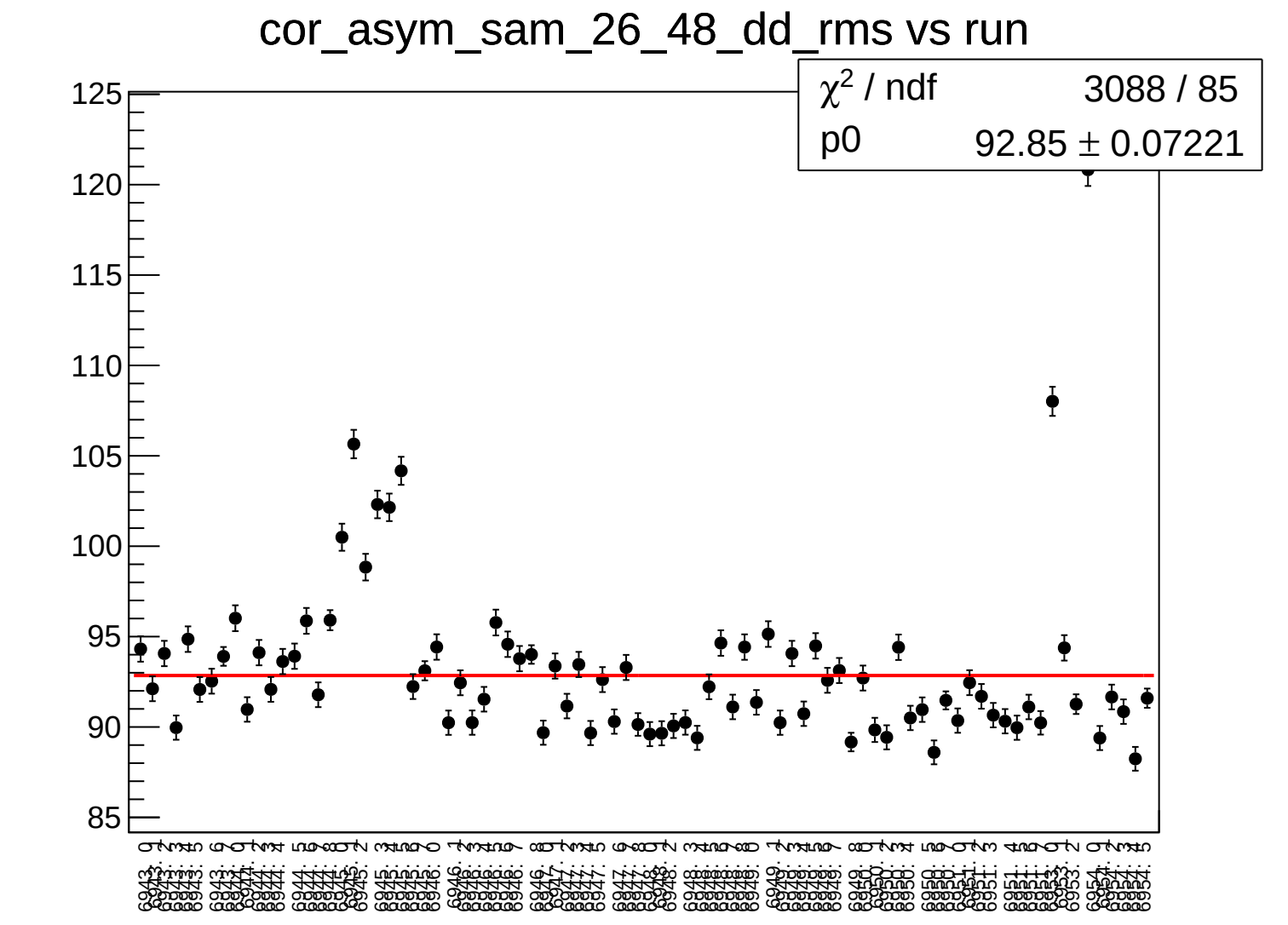

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 84.86 / 85
p0 1145 ± 621.5
pull
Entries 86
Mean 17.17
Std Dev 49.94

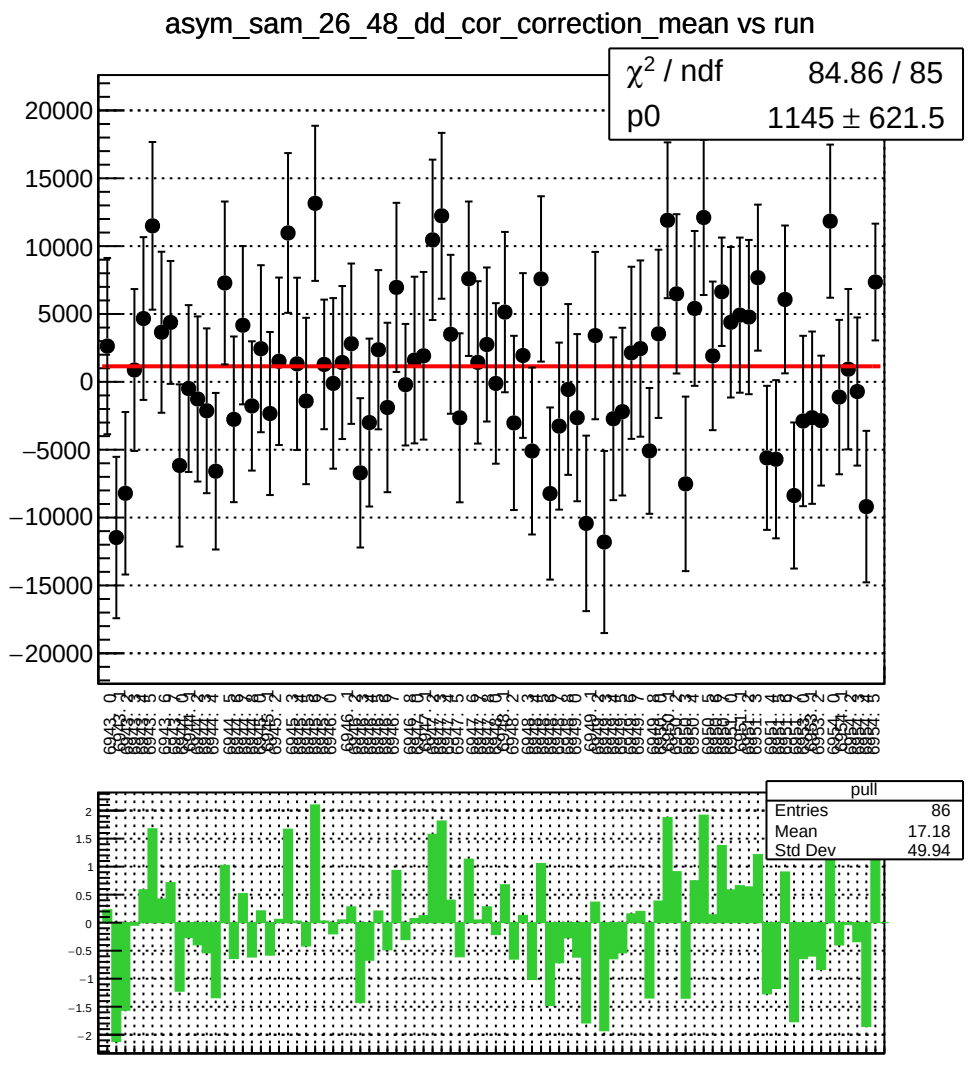

pull1D
Entries 86
Mean −0.01656
Std Dev 0.9932

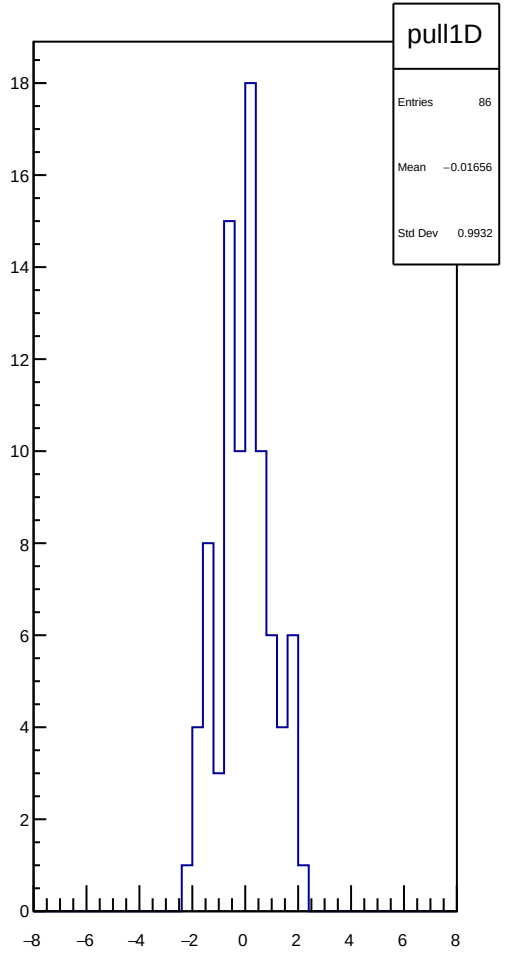

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 4022 / 85
p0 564.9 ± 0.4395
640
620
600
580
560
540
520
500

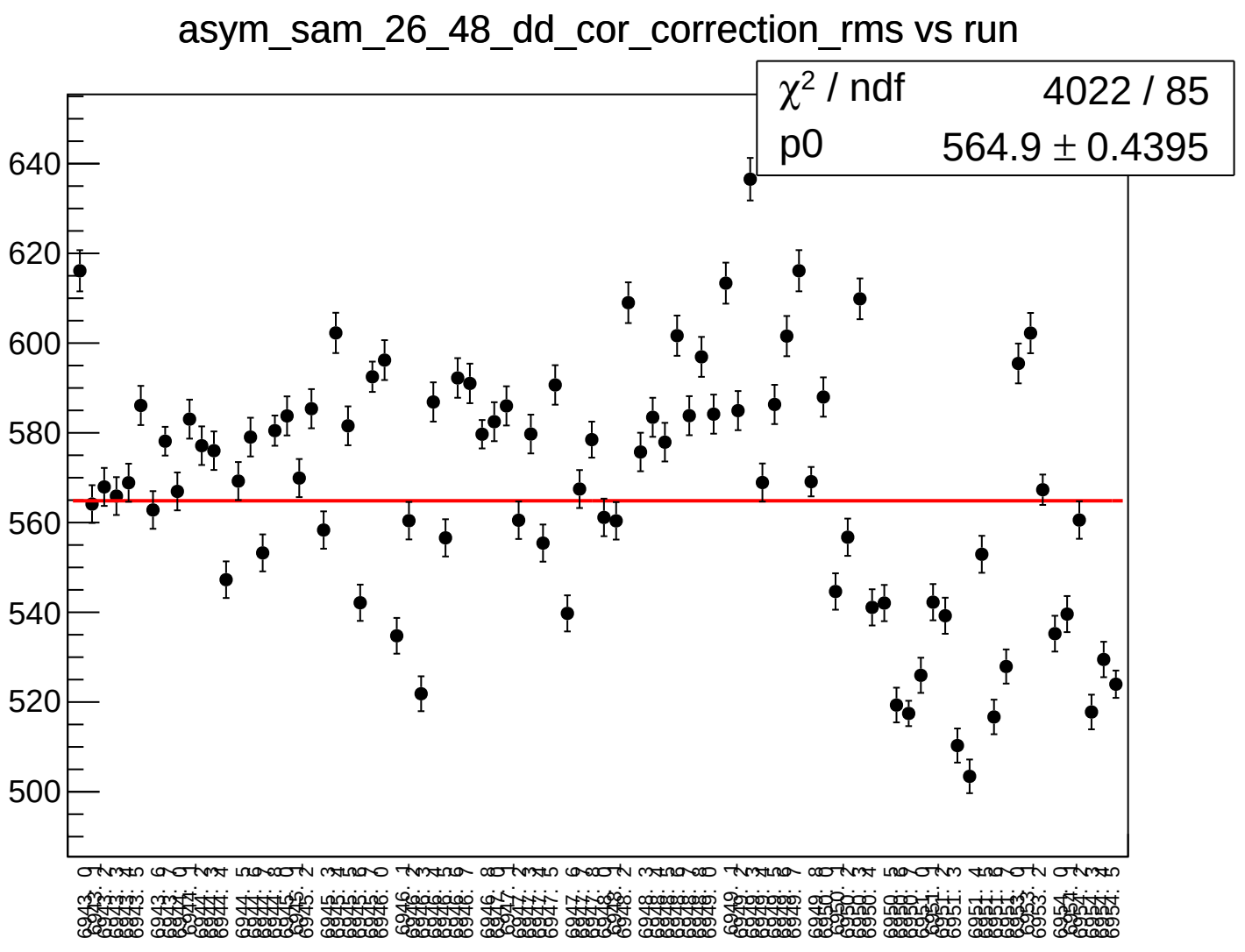

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.99 / 85
p0 −48.73 ± 102.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 86
Mean 864.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

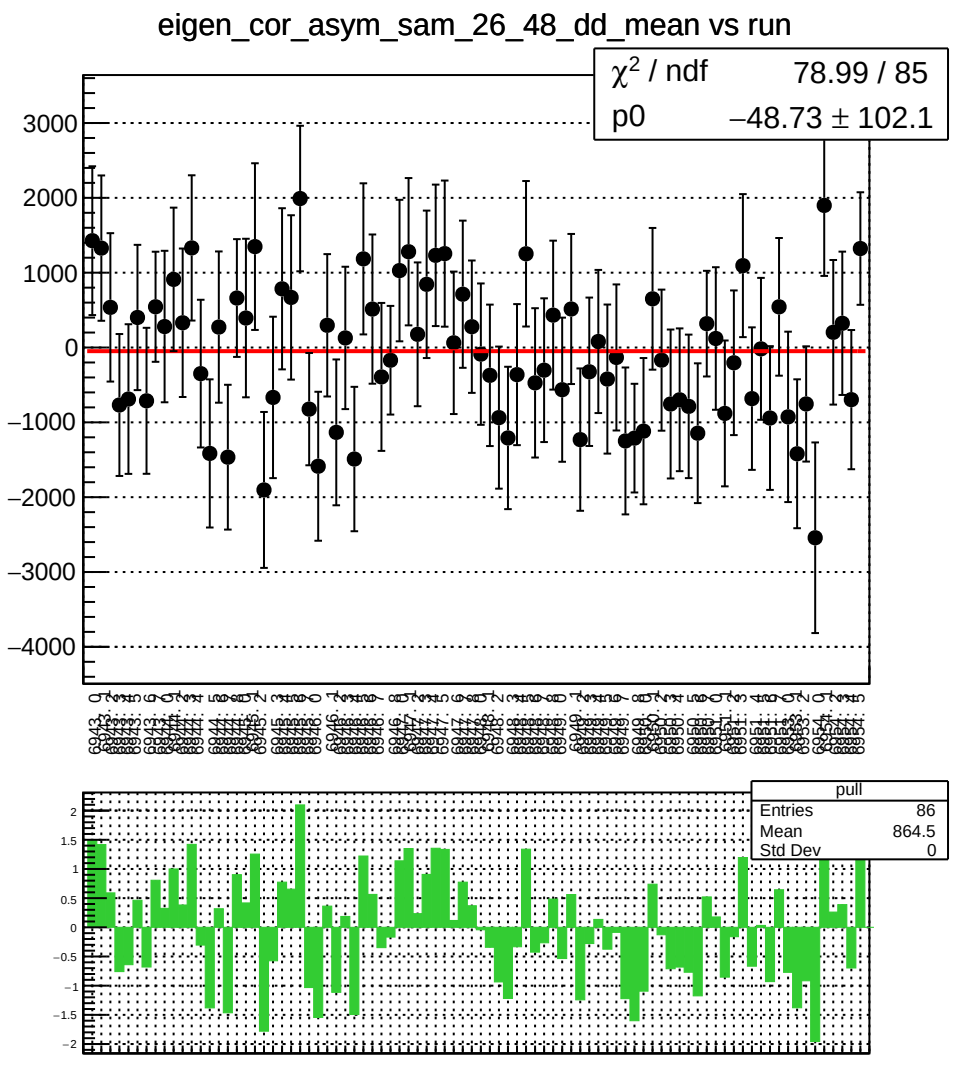

pull1D
Entries 86
Mean −0.005432
Std Dev 0.9583
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

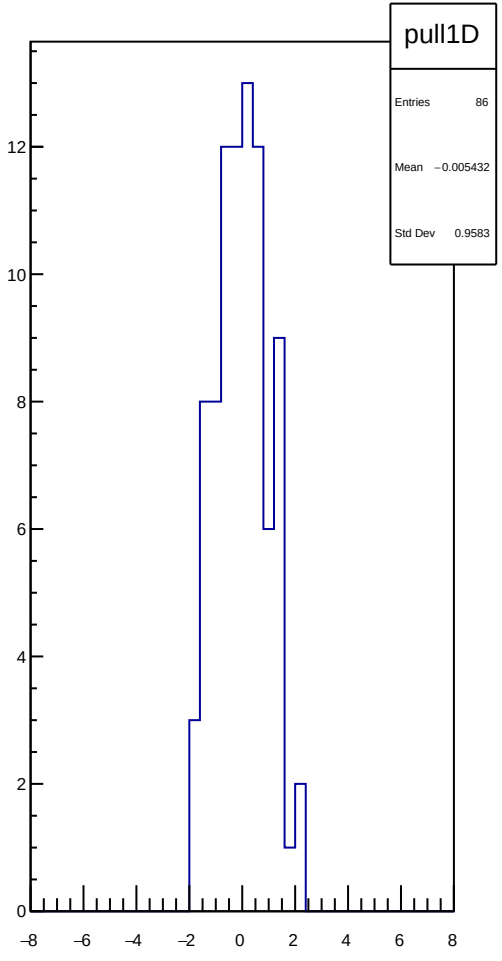

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3088 / 85
p0 92.85 ± 0.07221
125
120
115
110
105
100
95
90
85

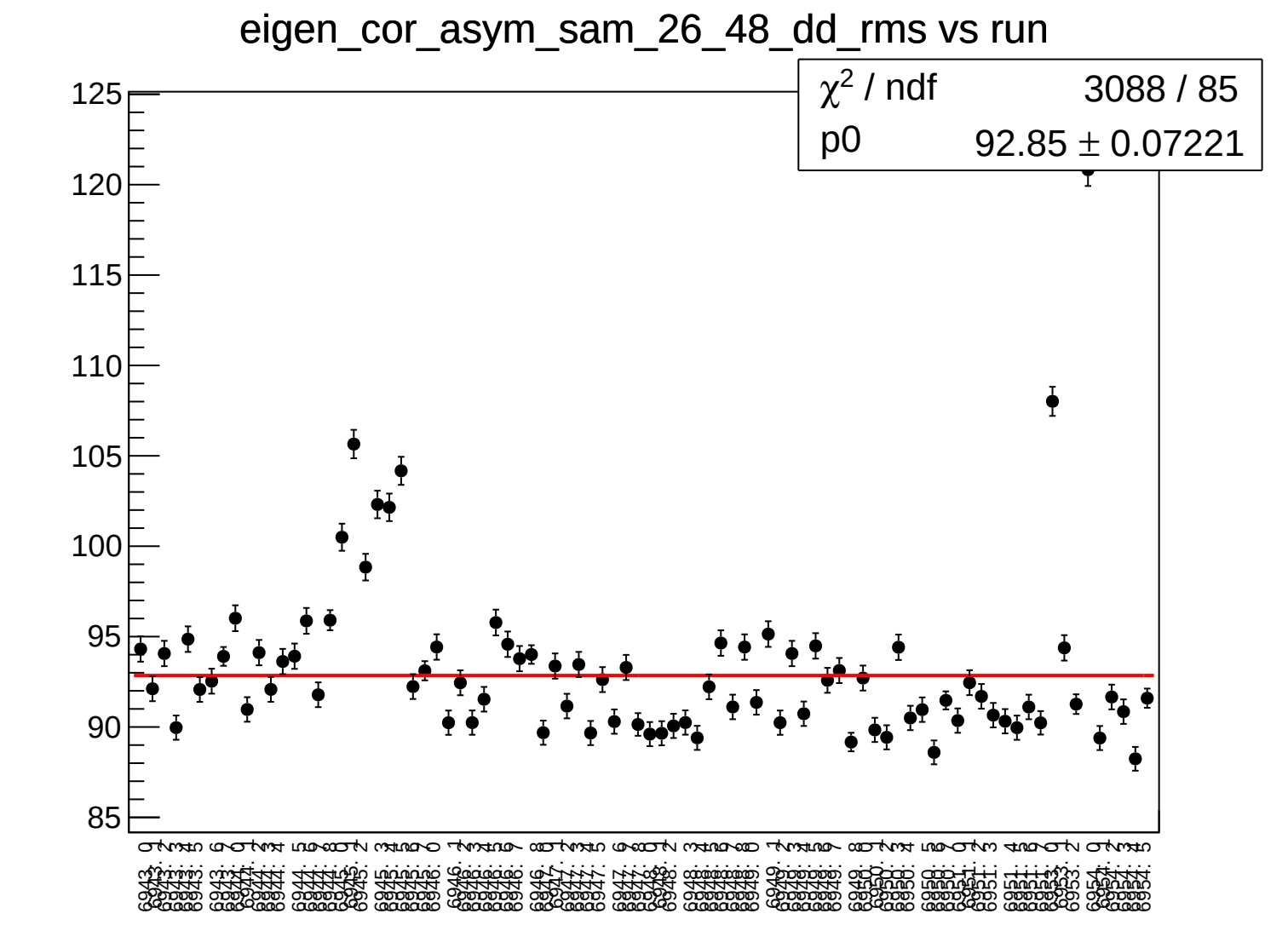

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 84.86 / 85
p0 1145 ± 621.5
pull
Entries 86
Mean 17.18
Std Dev 49.94

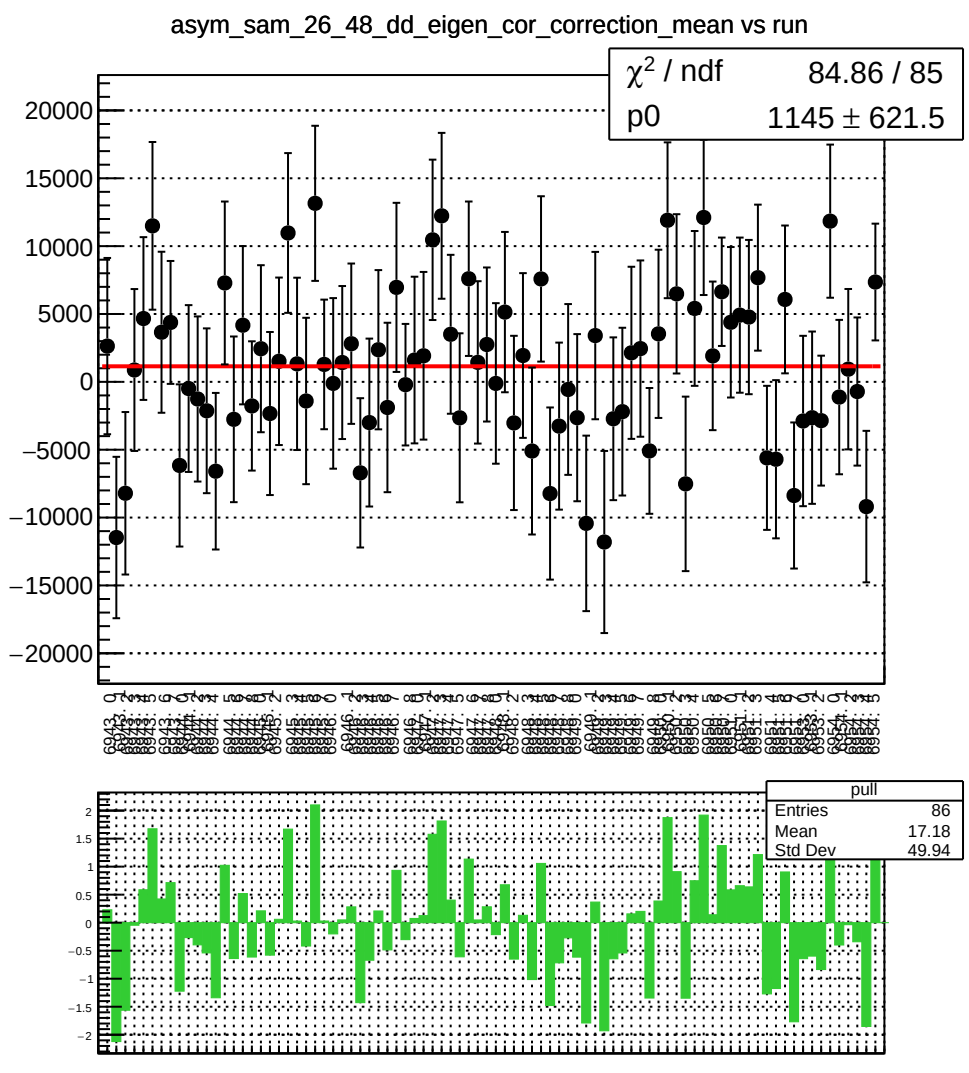

pull1D
Entries 86
Mean −0.01656
Std Dev 0.9932

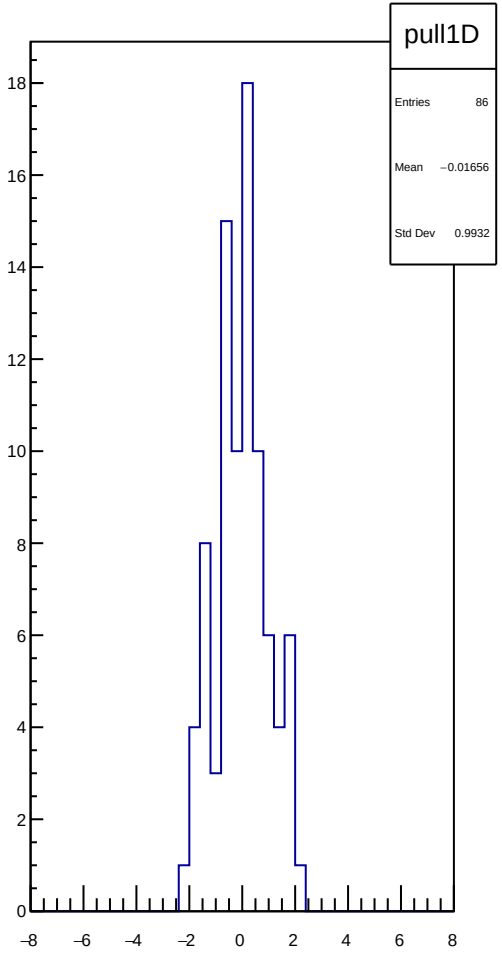

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 4022 / 85
p0 564.9 ± 0.4395
640
620
600
580
560
540
520
500

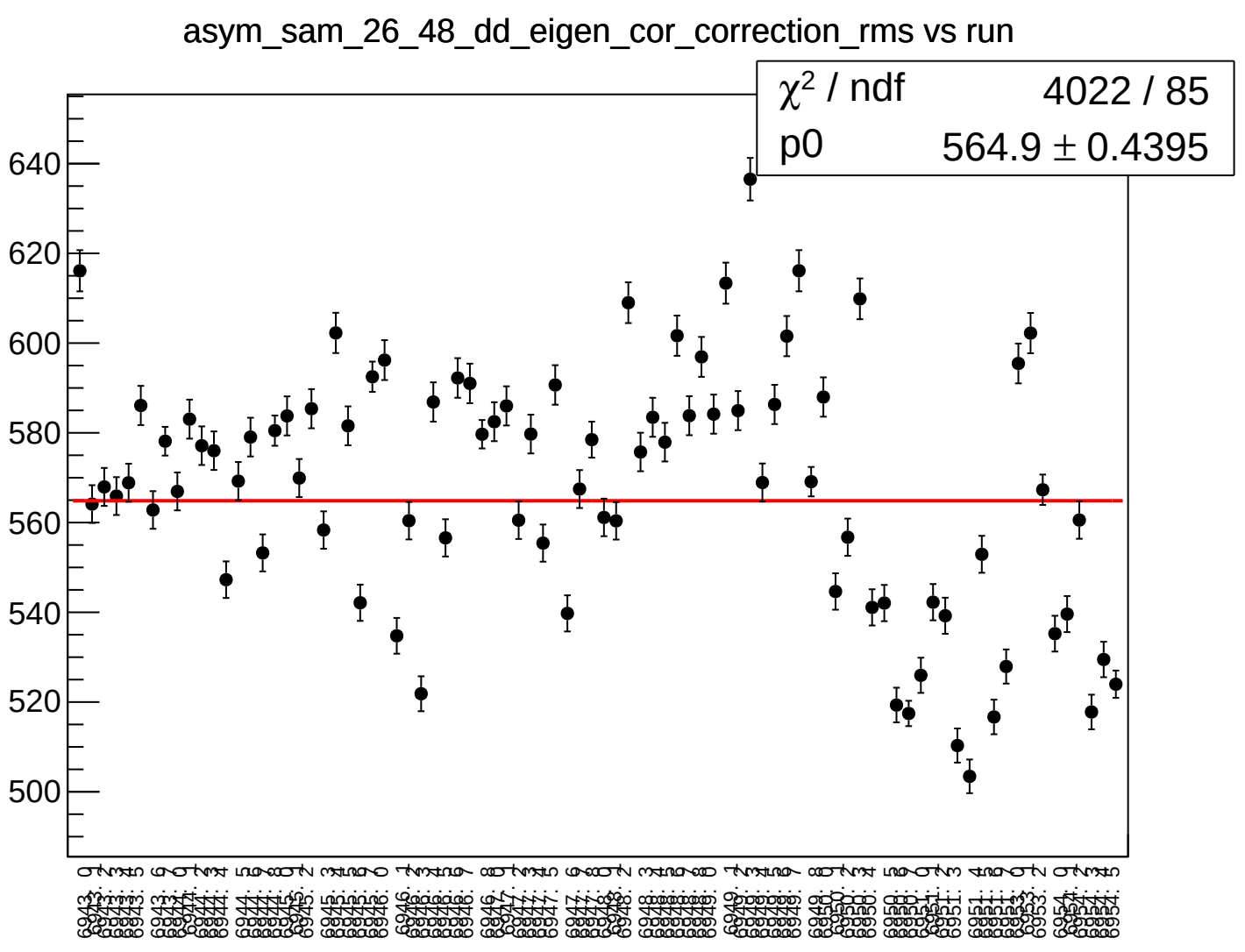

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.99 / 85
p0 −48.73 ± 102.1
pull
Entries 86
Mean 864.5
Std Dev 0

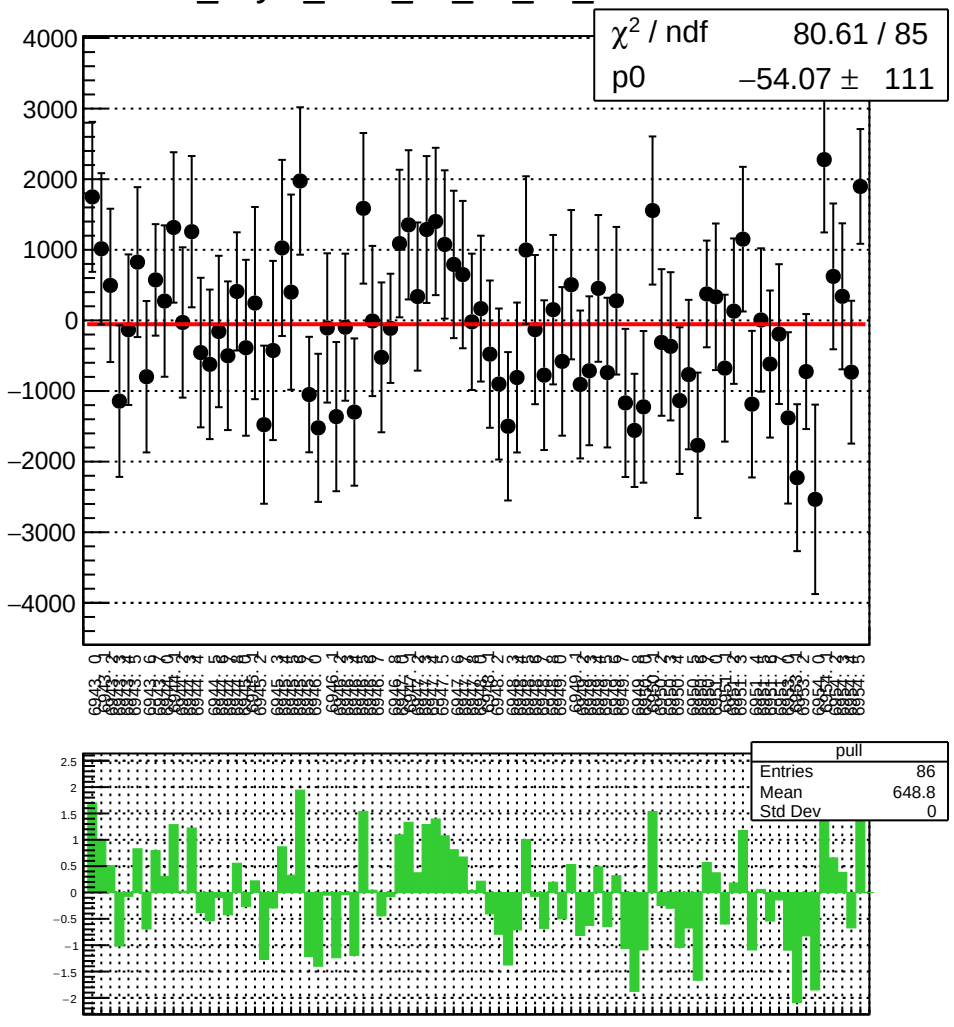

pull1D
Entries 86
Mean −0.005432
Std Dev 0.9583

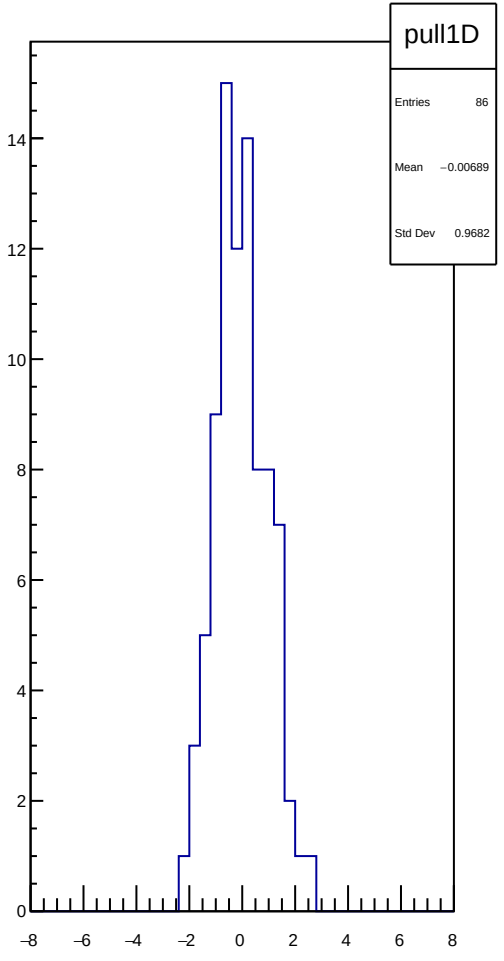

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3088 / 85
p0 92.85 ± 0.07221
125
120
115
110
105
100
95
90
85

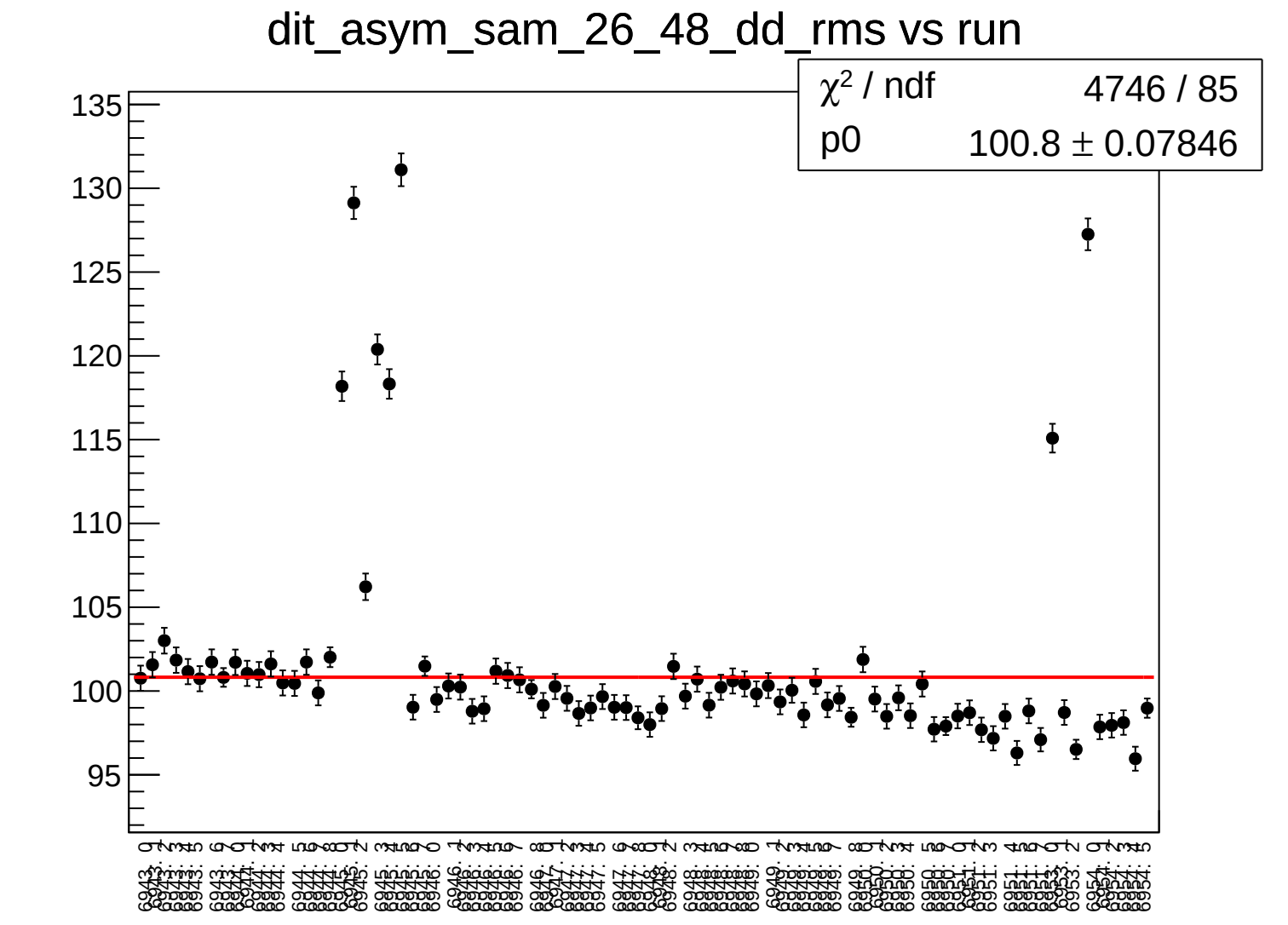

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.86 / 85
p0 1145 ± 621.5
pull
Entries 86
Mean 17.18
Std Dev 49.94

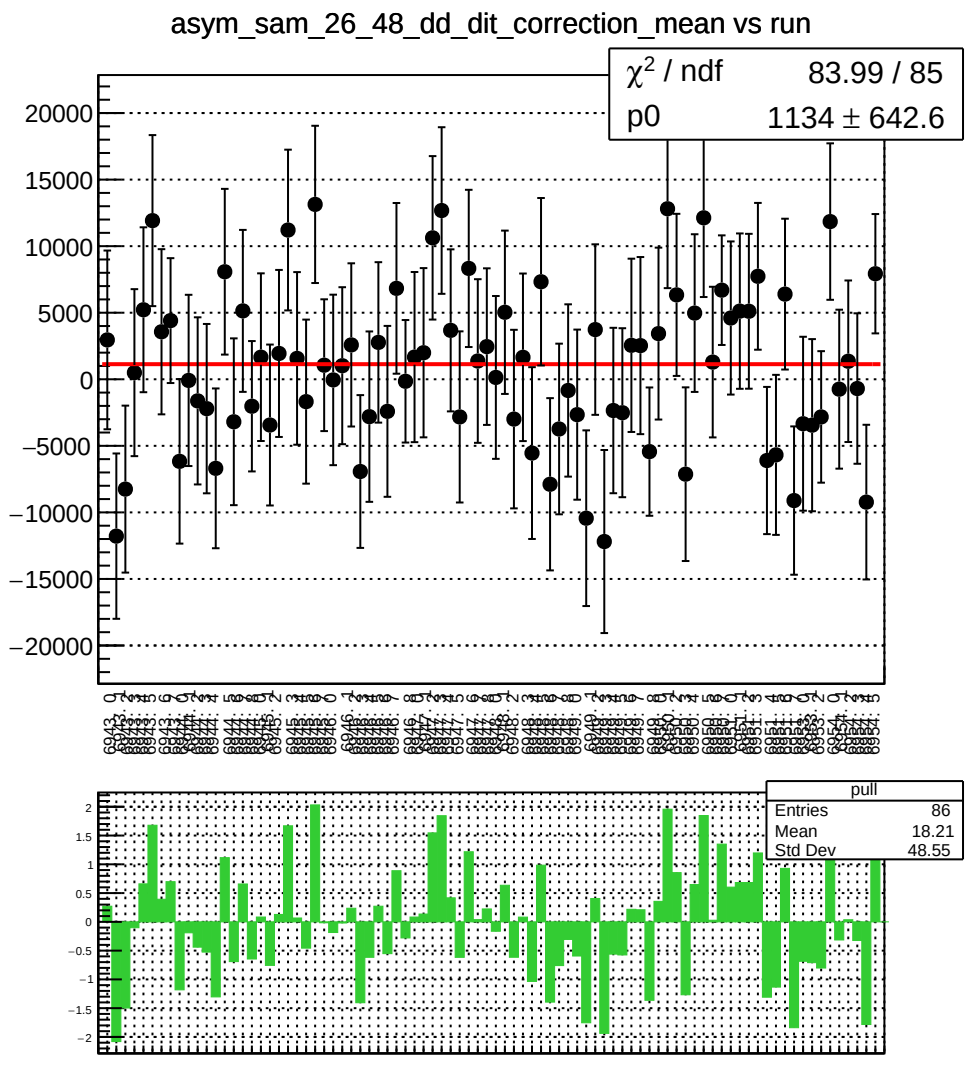

pull1D
Entries 86
Mean −0.01656
Std Dev 0.9932

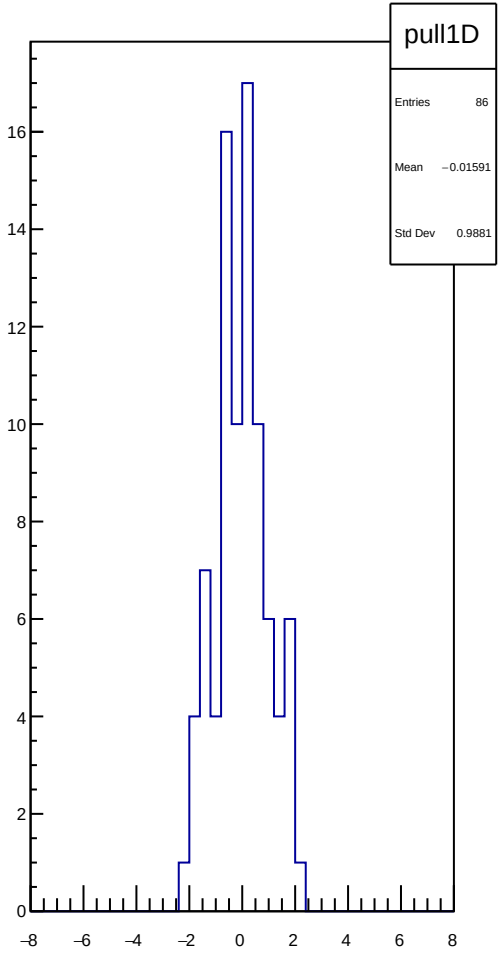

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4022 / 85
p0 564.9 ± 0.4395
640
620
600
580
560
540
520
500

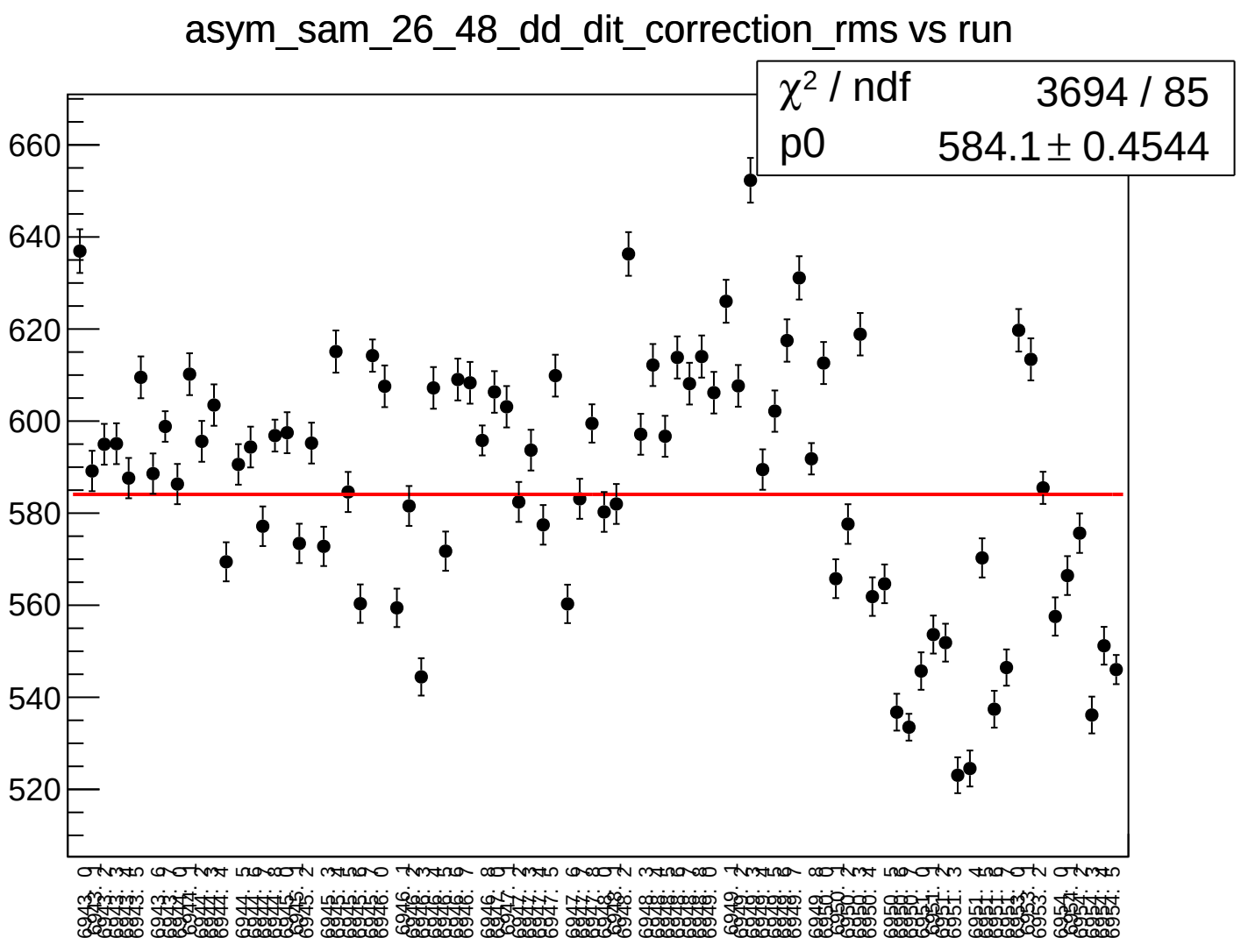

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.61 / 85
p0 −54.07 ± 111
pull
Entries 86
Mean 648.8
Std Dev 0

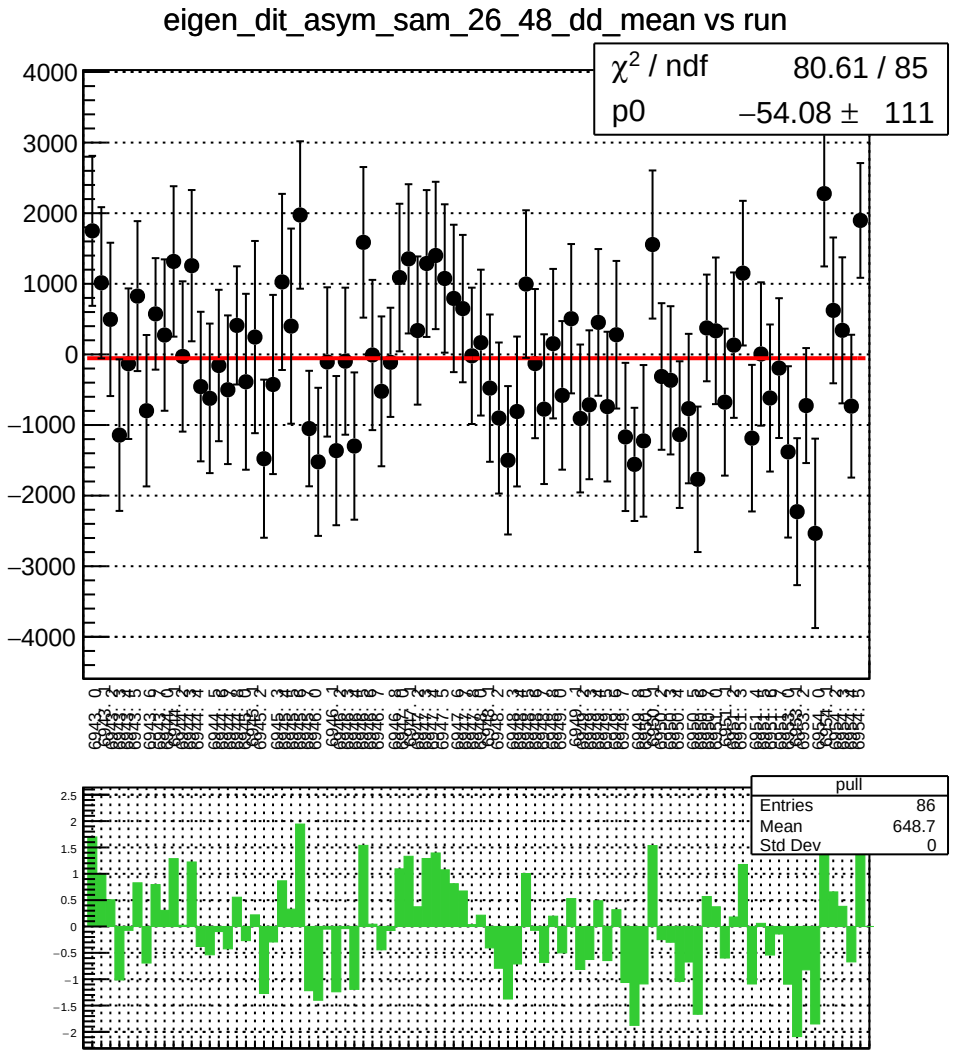

pull1D
Entries 86
Mean −0.00689
Std Dev 0.9682

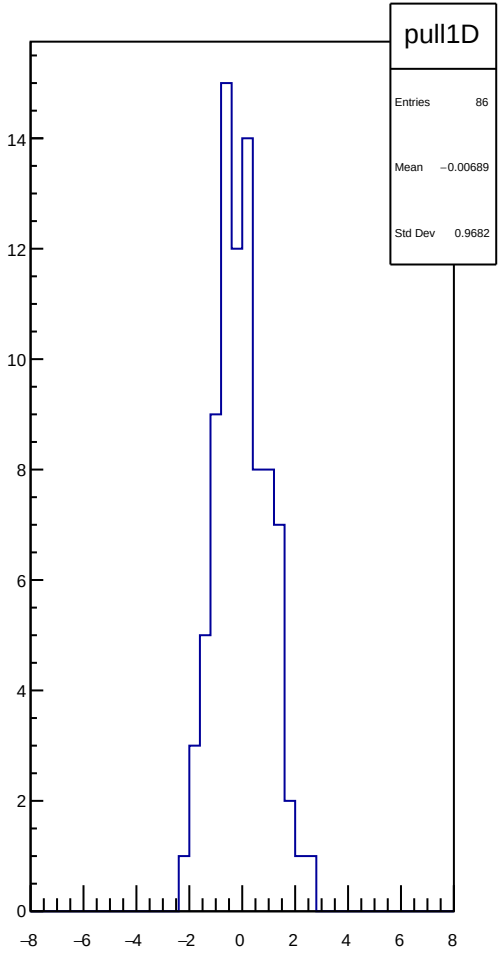

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4746 / 85
p0 100.8 ± 0.07846
135
130
125
120
115
110
105
100
95

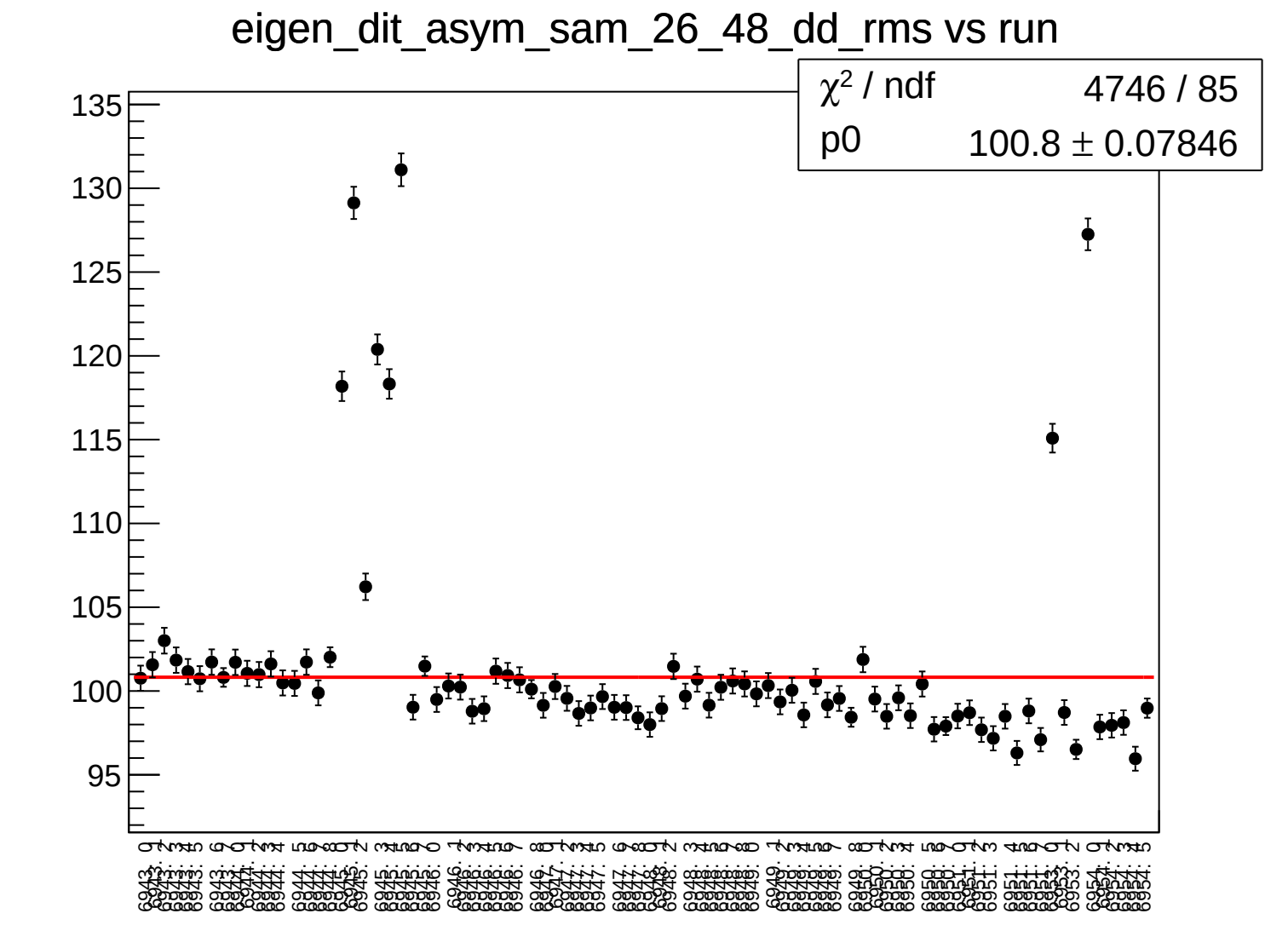

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 83.99 / 85
p0 1134 ± 642.6
pull
Entries 86
Mean 18.21
Std Dev 48.55

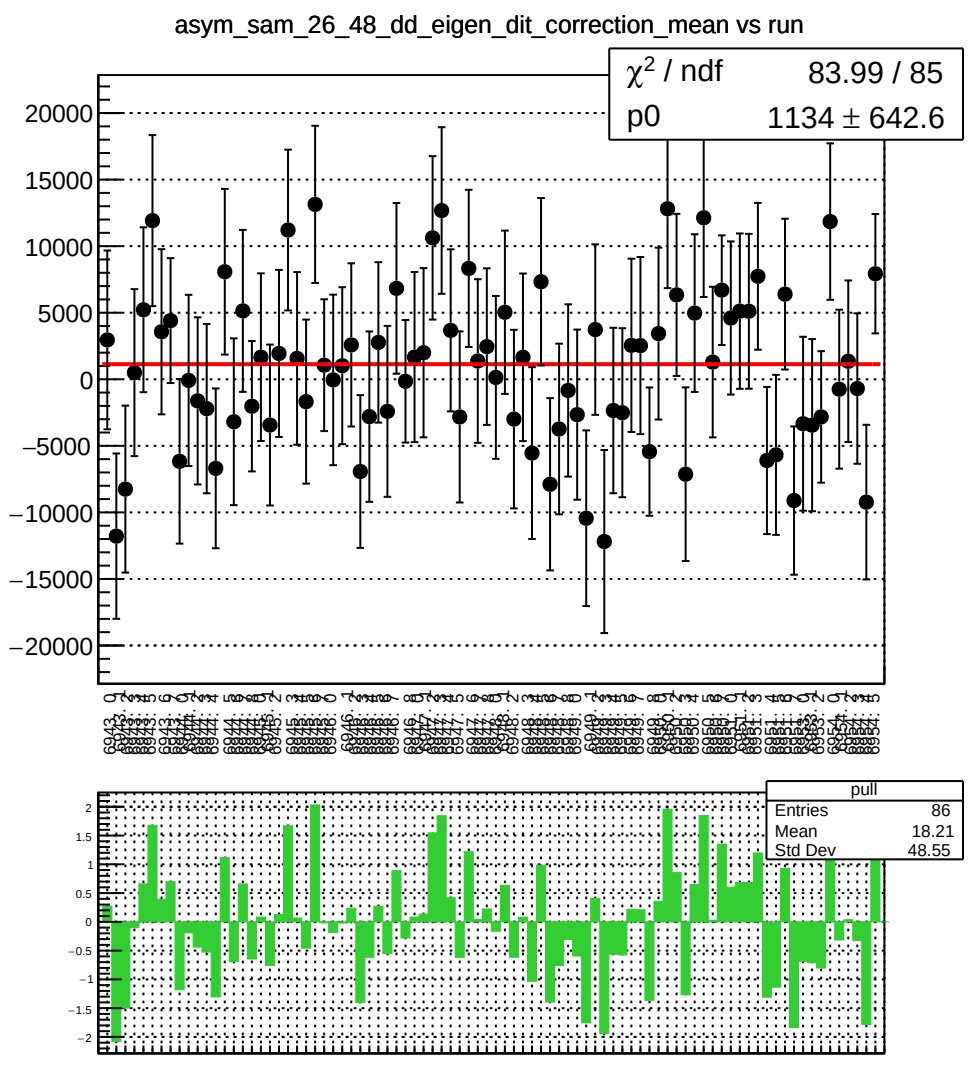

pull1D
Entries 86
Mean −0.01591
Std Dev 0.9881

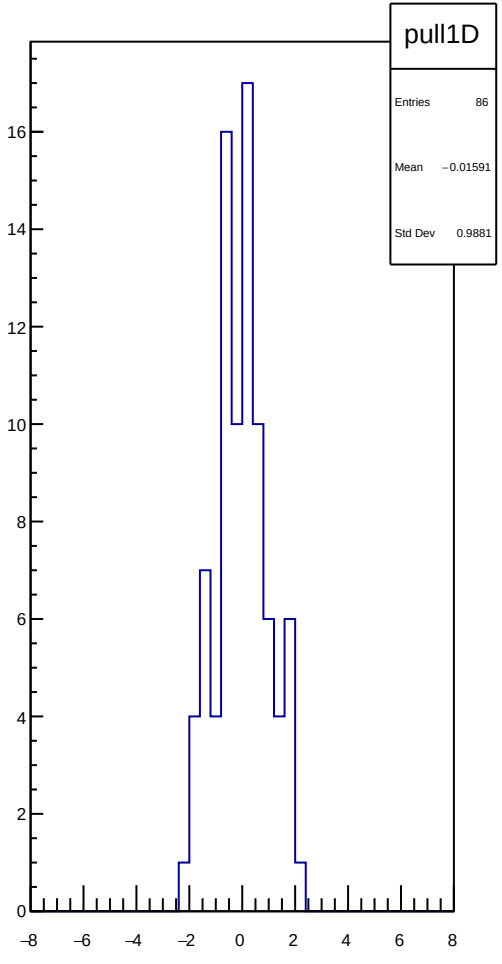

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 3694 / 85
p0 584.1 ± 0.4544
660
640
620
600
580
560
540
520

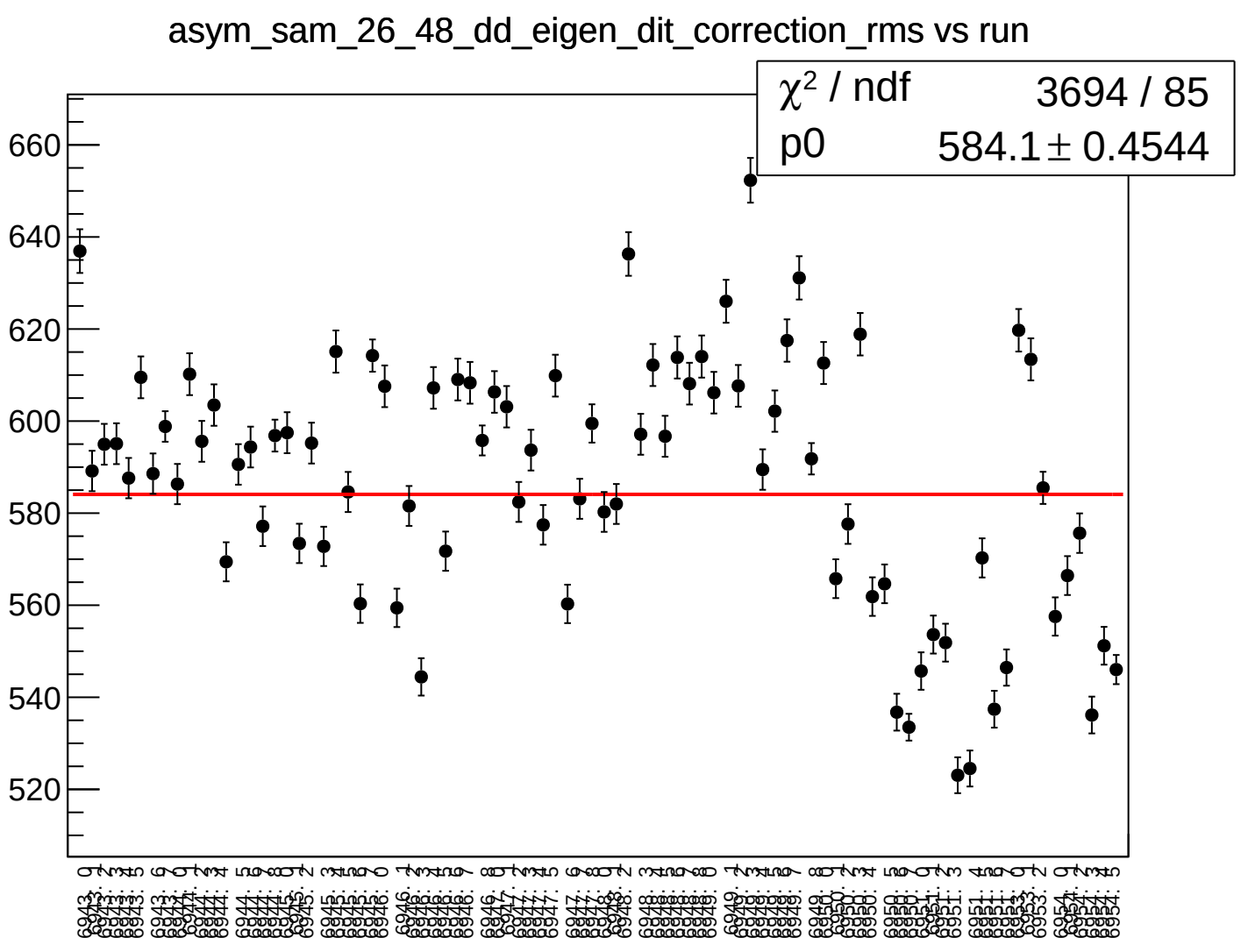

eigen_dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 80.61 / 85
p0 −54.08 ± 111
pull
Entries 86
Mean 648.7
Std Dev 0

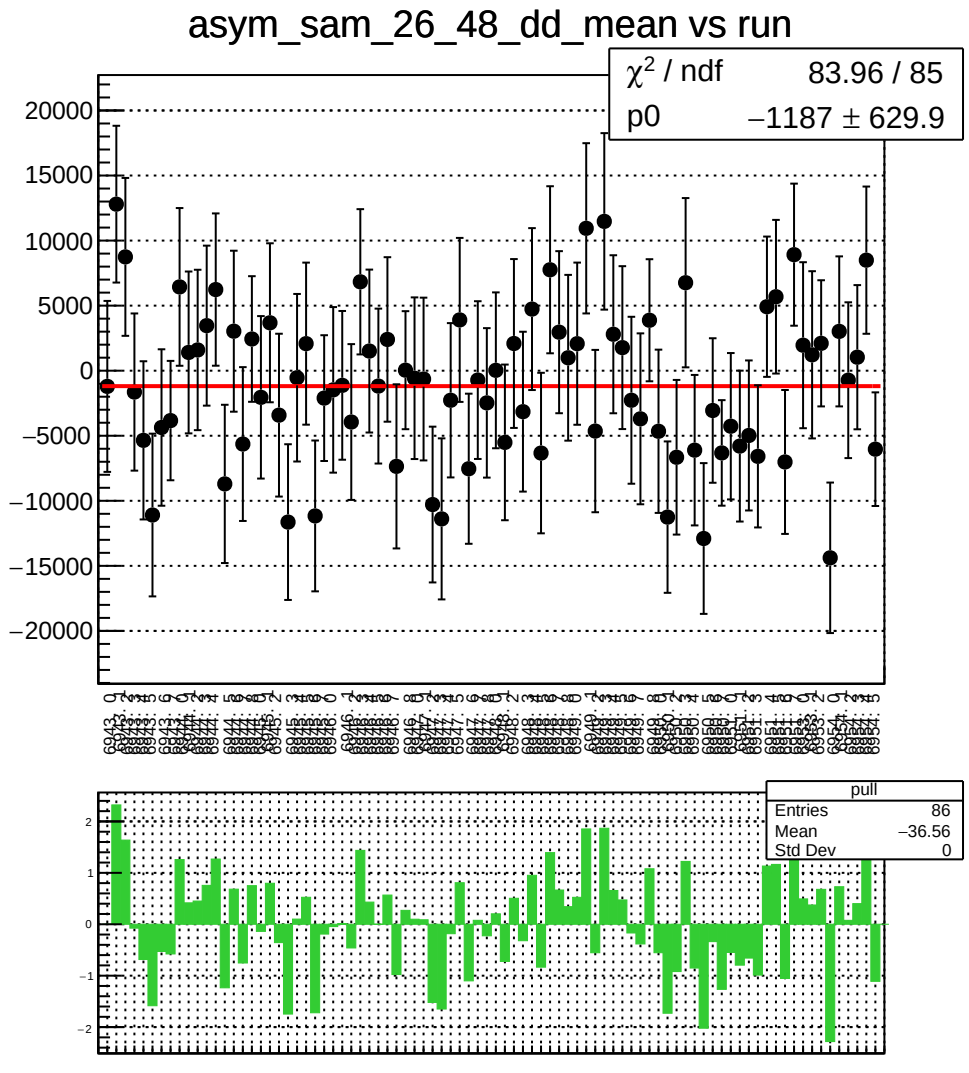

pull1D
Entries 86
Mean −0.00689
Std Dev 0.9682

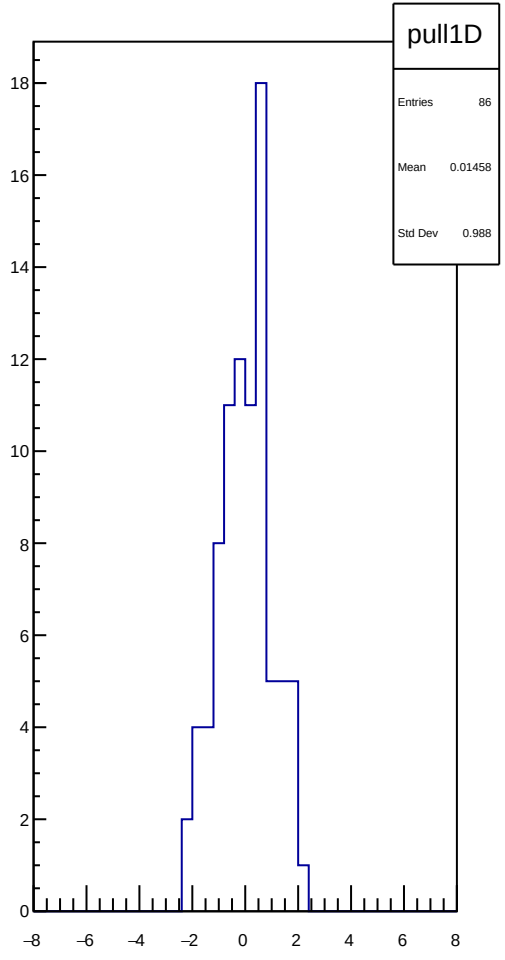

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4746 / 85
p0 100.8 ± 0.07846
135
130
125
120
115
110
105
100
95

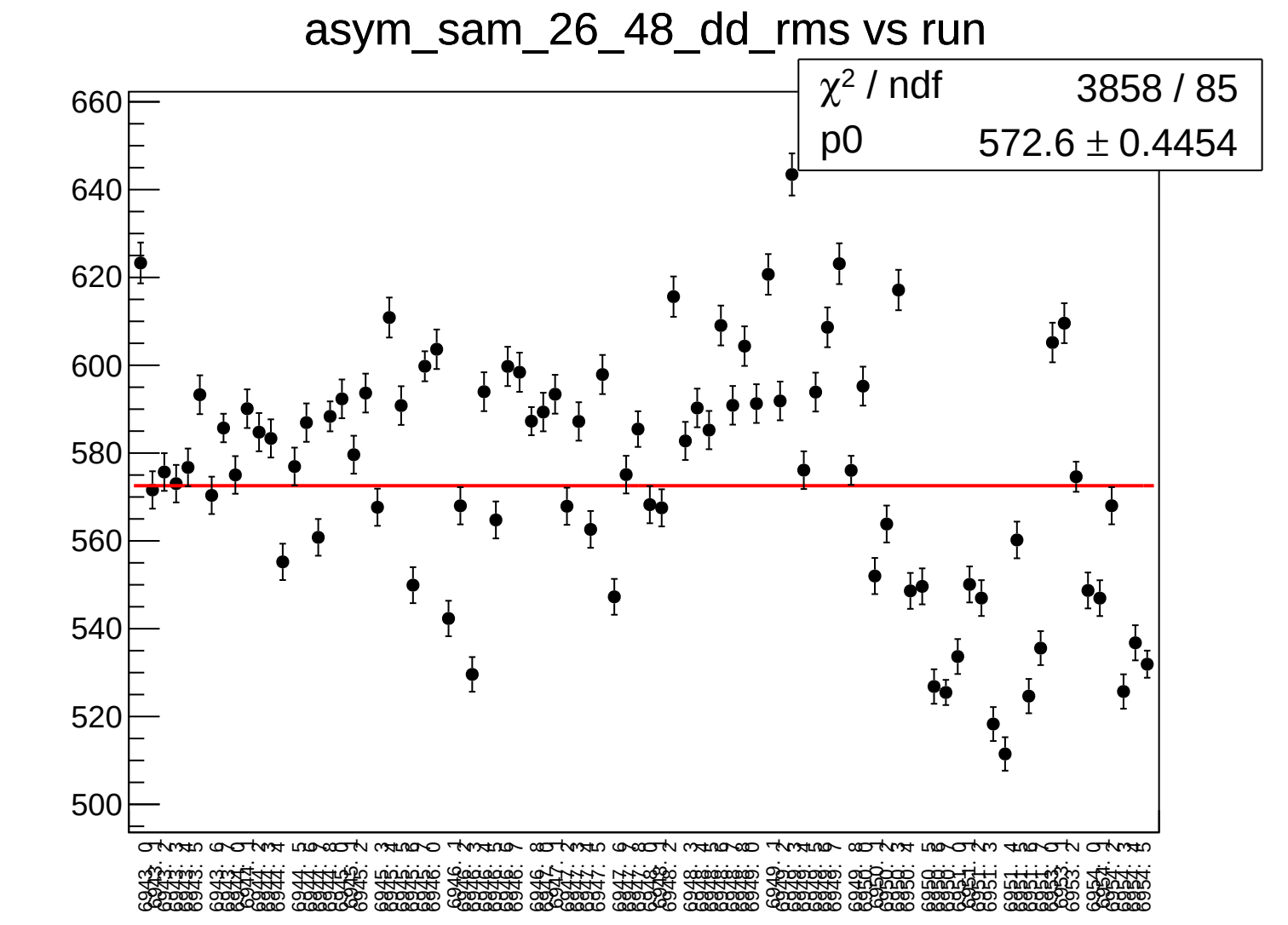

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.99 / 85
p0 1134 ± 642.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 18.21
Std Dev 48.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

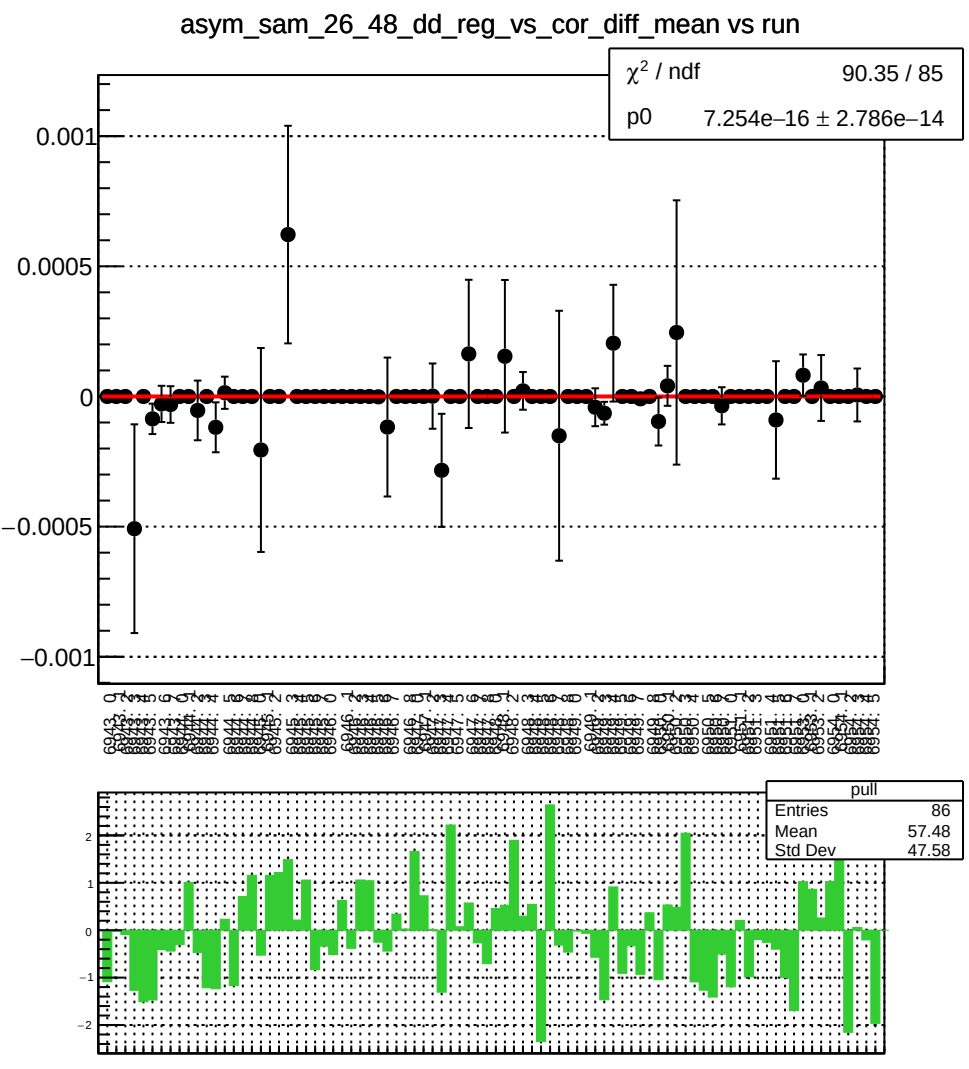

pull1D
Entries 86
Mean −0.01591
Std Dev 0.9881
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

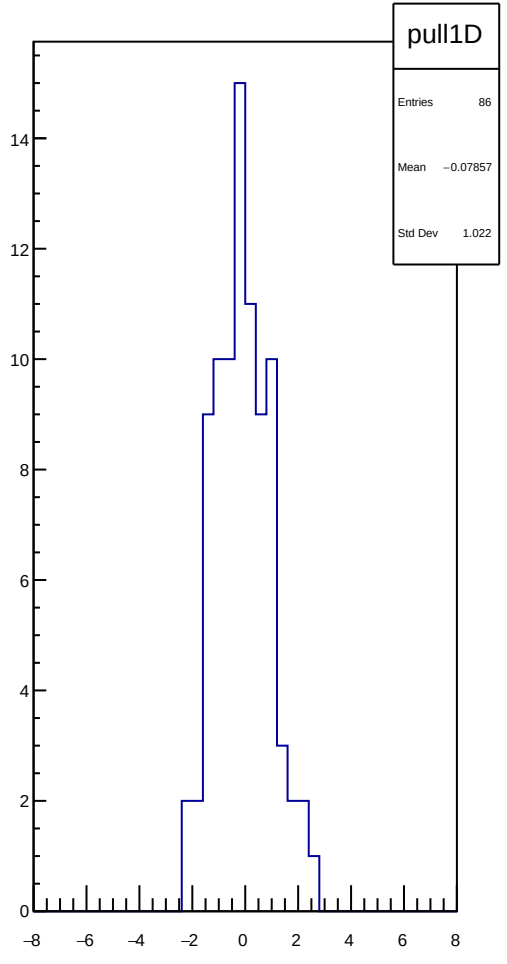

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3694 / 85
p0 584.1 ± 0.4544
660
640
620
600
580
560
540
520

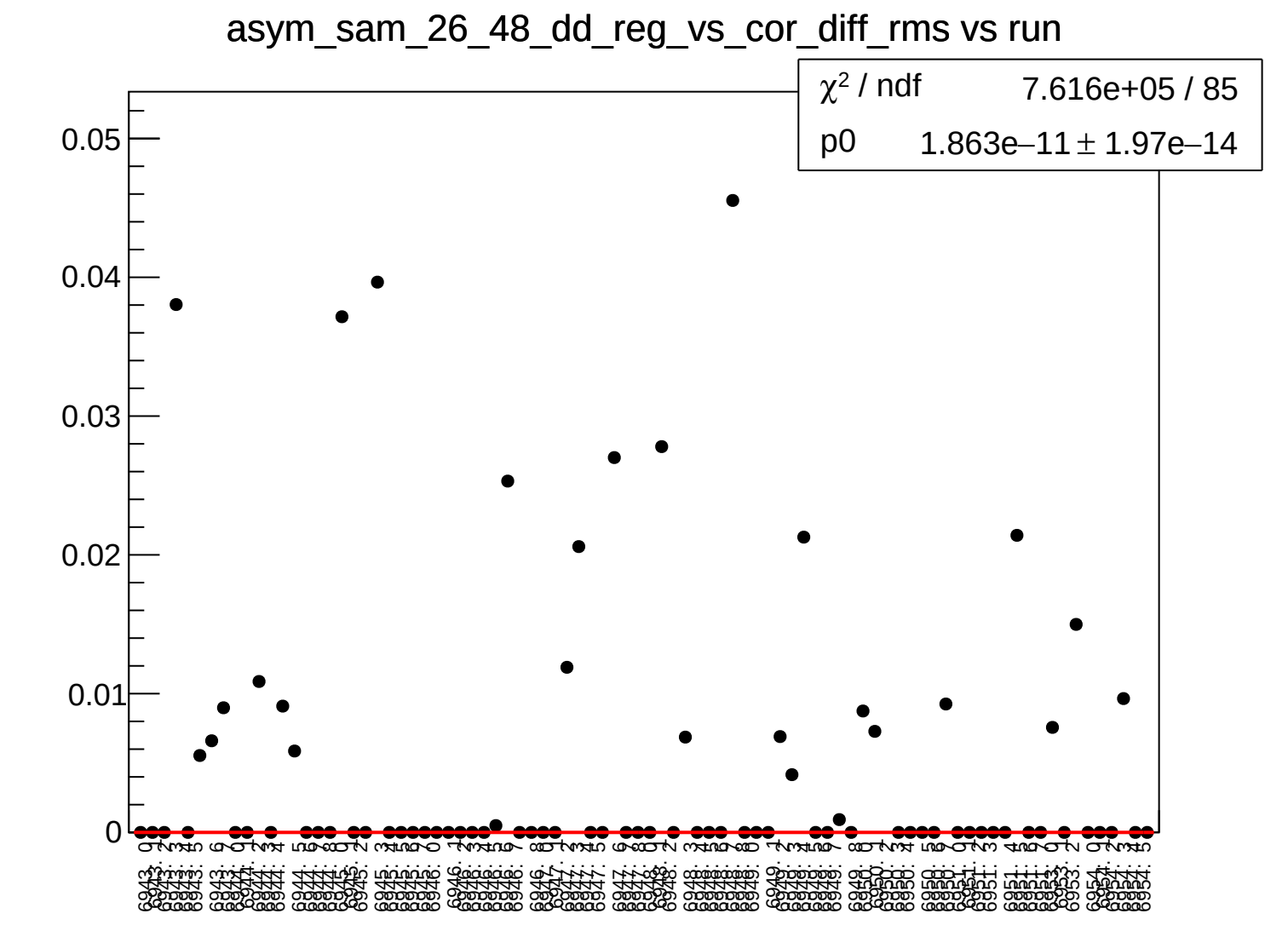

asym_sam_26_48_dd_mean vs run
χ² / ndf 83.96 / 85
p0 −1187 ± 629.9
pull
Entries 86
Mean −36.56
Std Dev 0

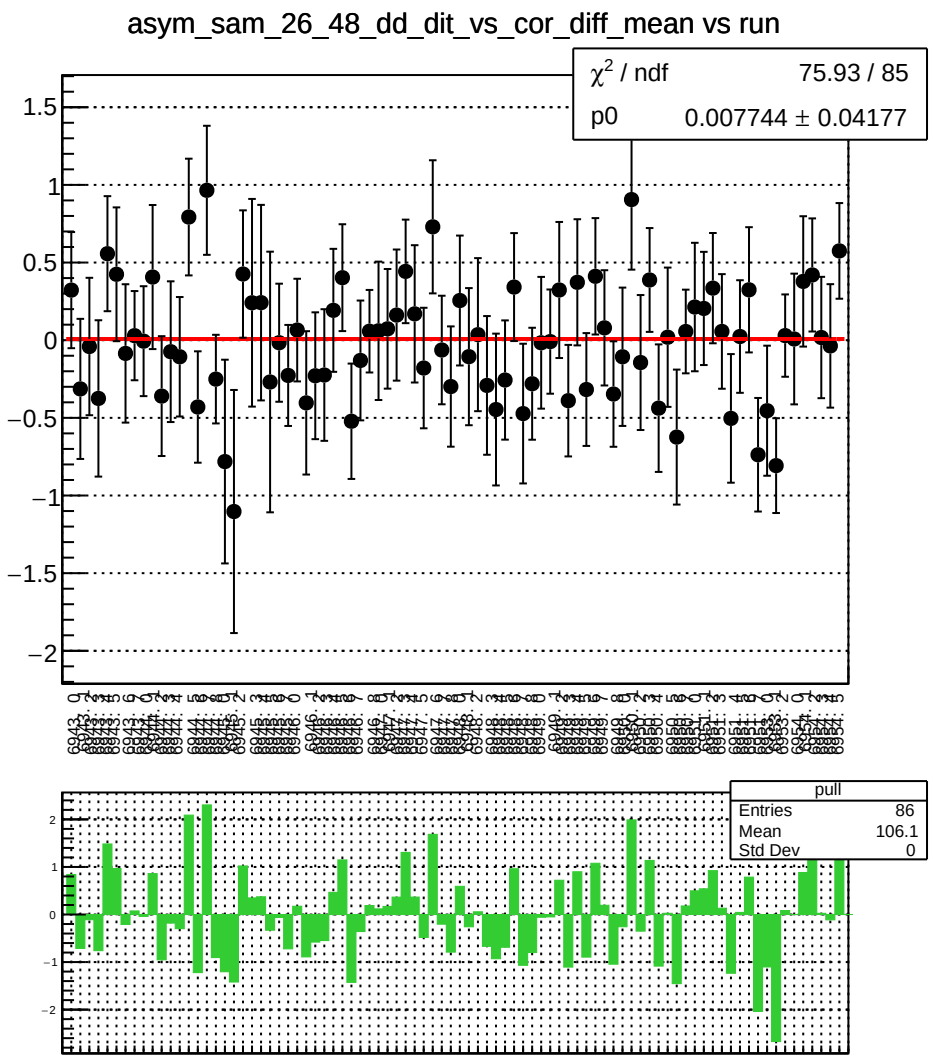

pull1D
Entries 86
Mean 0.01458
Std Dev 0.988

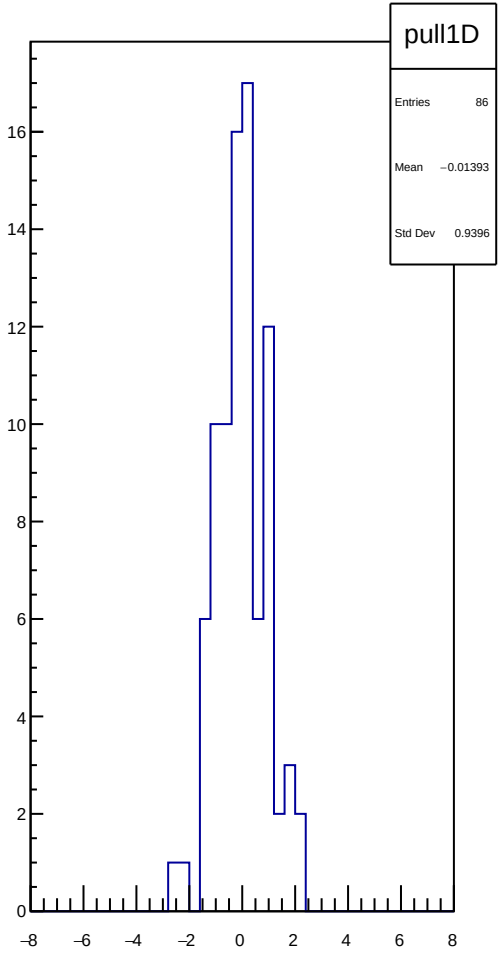

asym_sam_26_48_dd_rms vs run
χ² / ndf 3858 / 85
p0 572.6 ± 0.4454
660
640
620
600
580
560
540
520
500

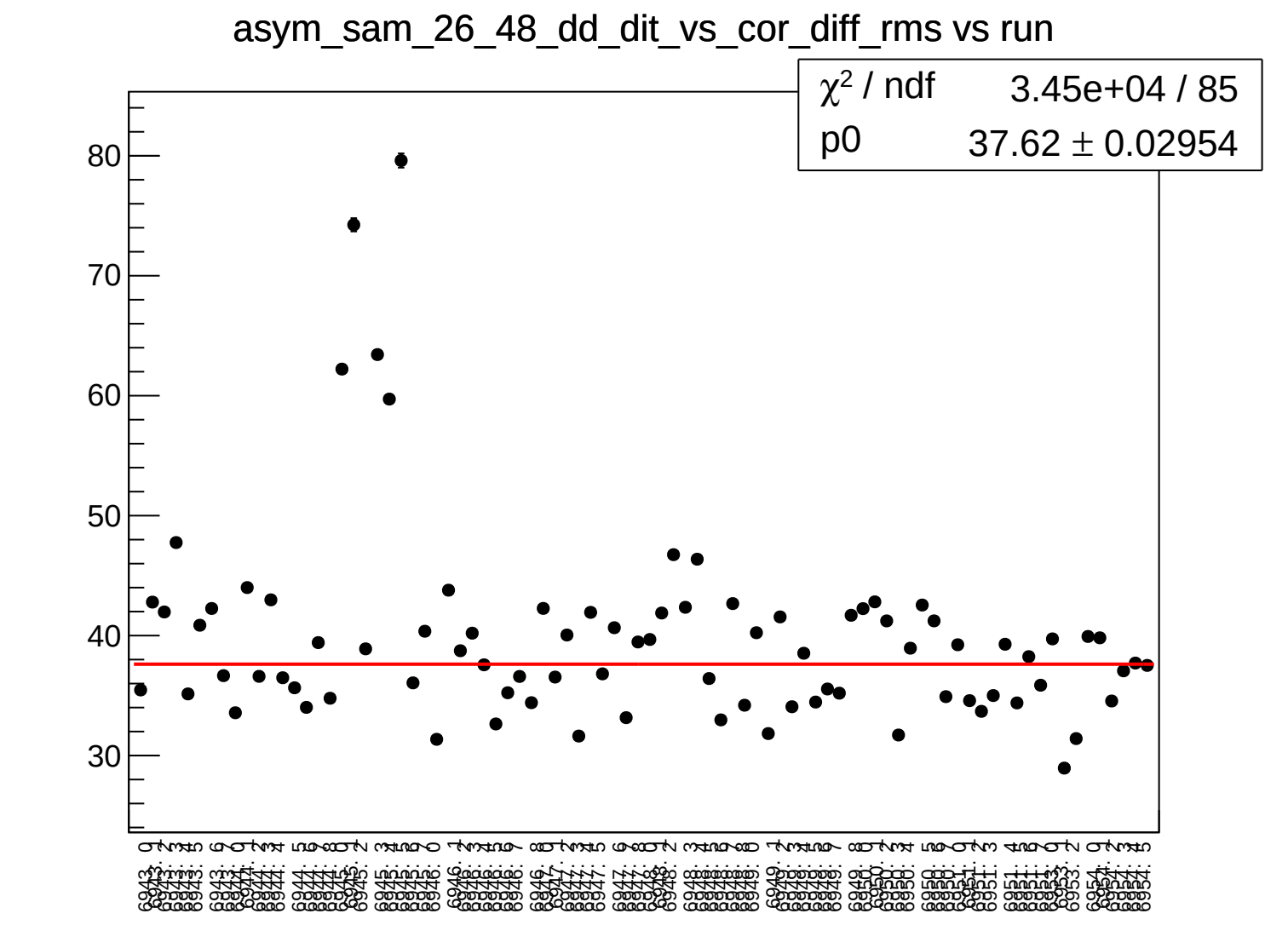

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 90.35 / 85
p0 7.254e−16 ± 2.786e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 57.48
Std Dev 47.58
2
1
0
−1
−2

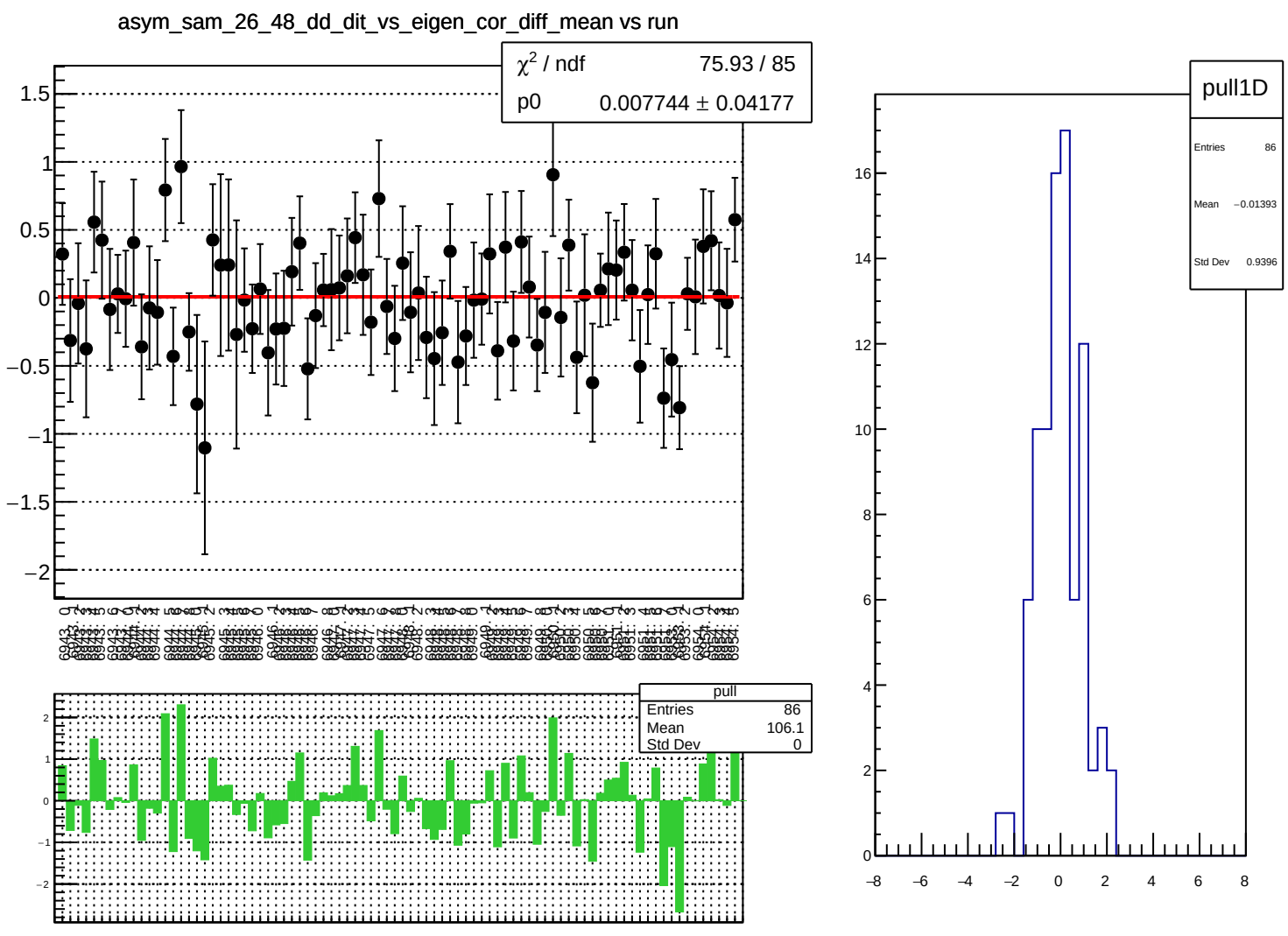

pull1D
Entries 86
Mean −0.07857
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

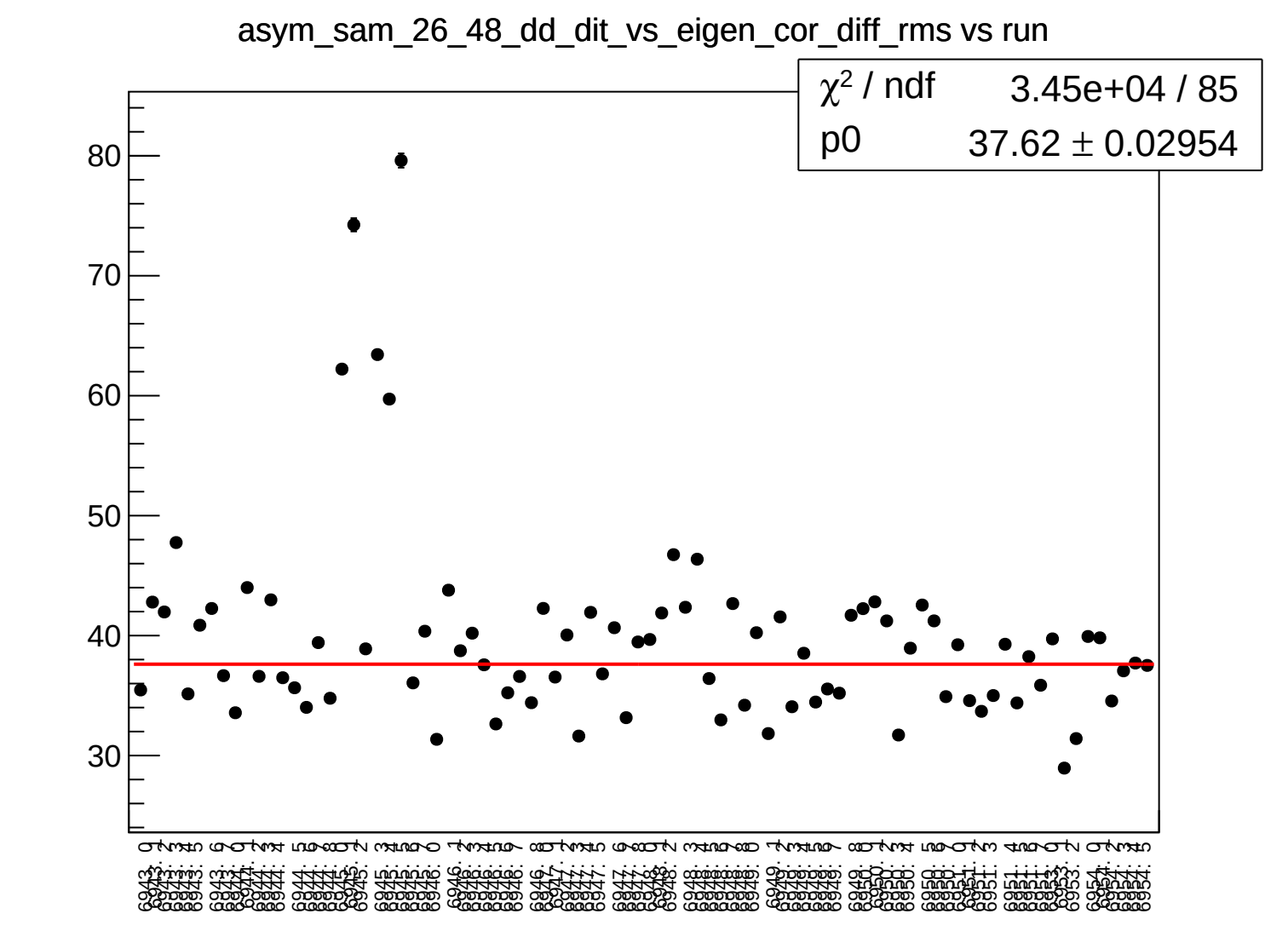

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.616e+05 / 85
p0 1.863e−11 ± 1.97e−14
0.05
0.04
0.03
0.02
0.01
0

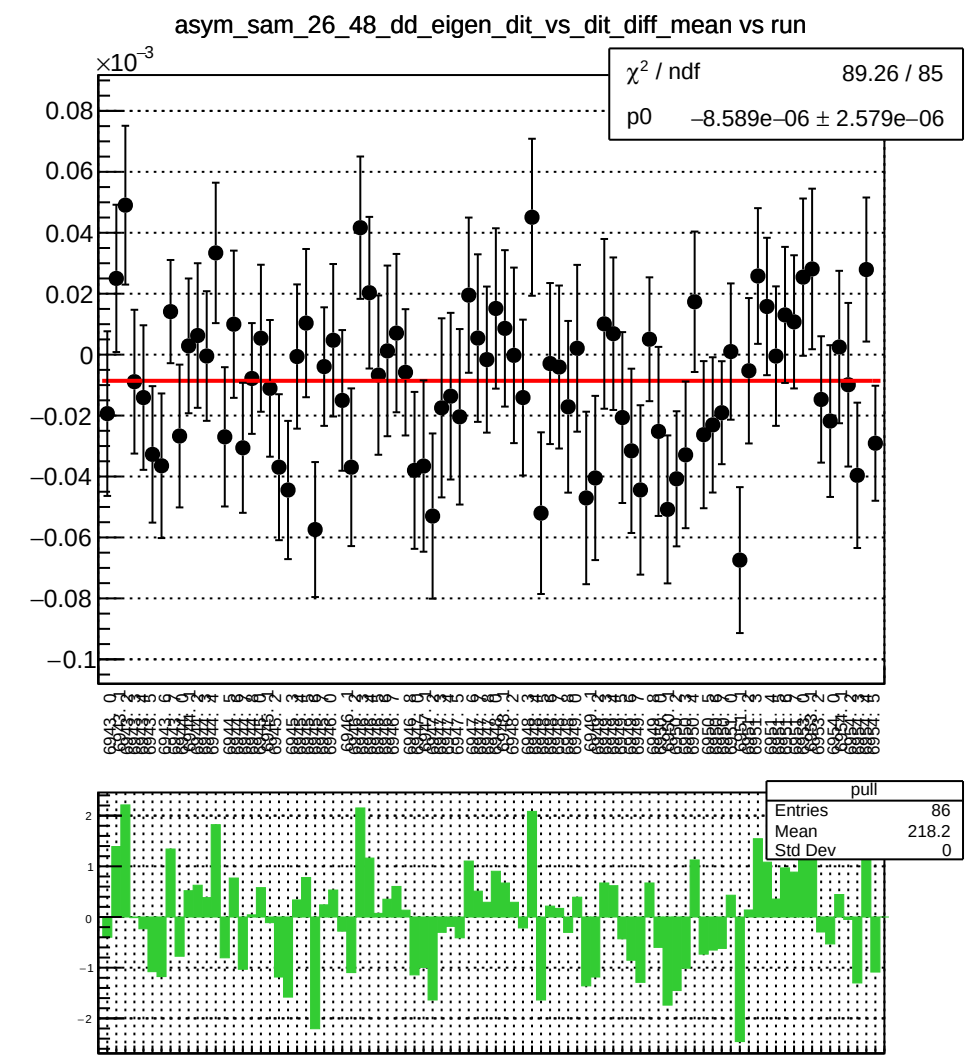

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.93 / 85
p0 0.007744 ± 0.04177
pull
Entries 86
Mean 106.1
Std Dev 0

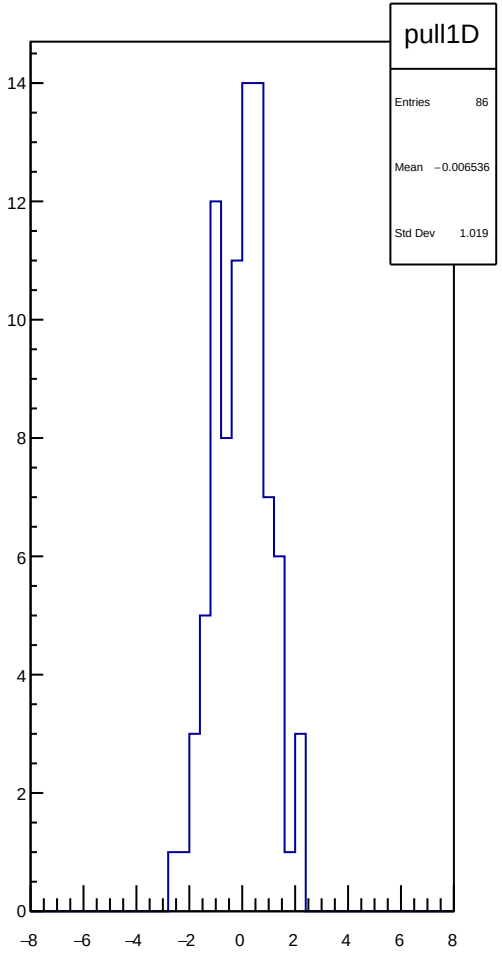

pull1D
Entries 86
Mean −0.01393
Std Dev 0.9396

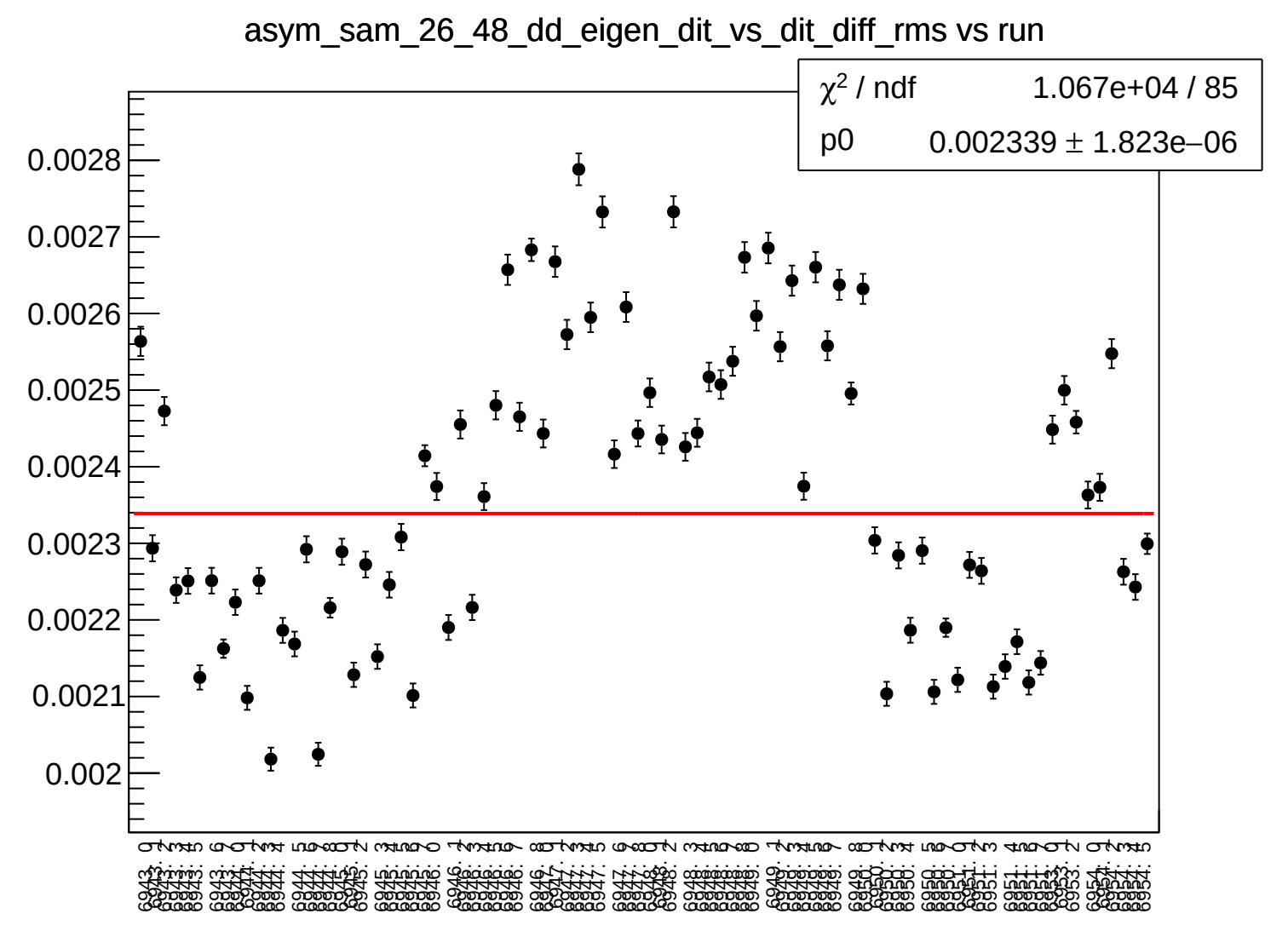

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.45e+04 / 85
p0 37.62 ± 0.02954
80
70
60
50
40
30

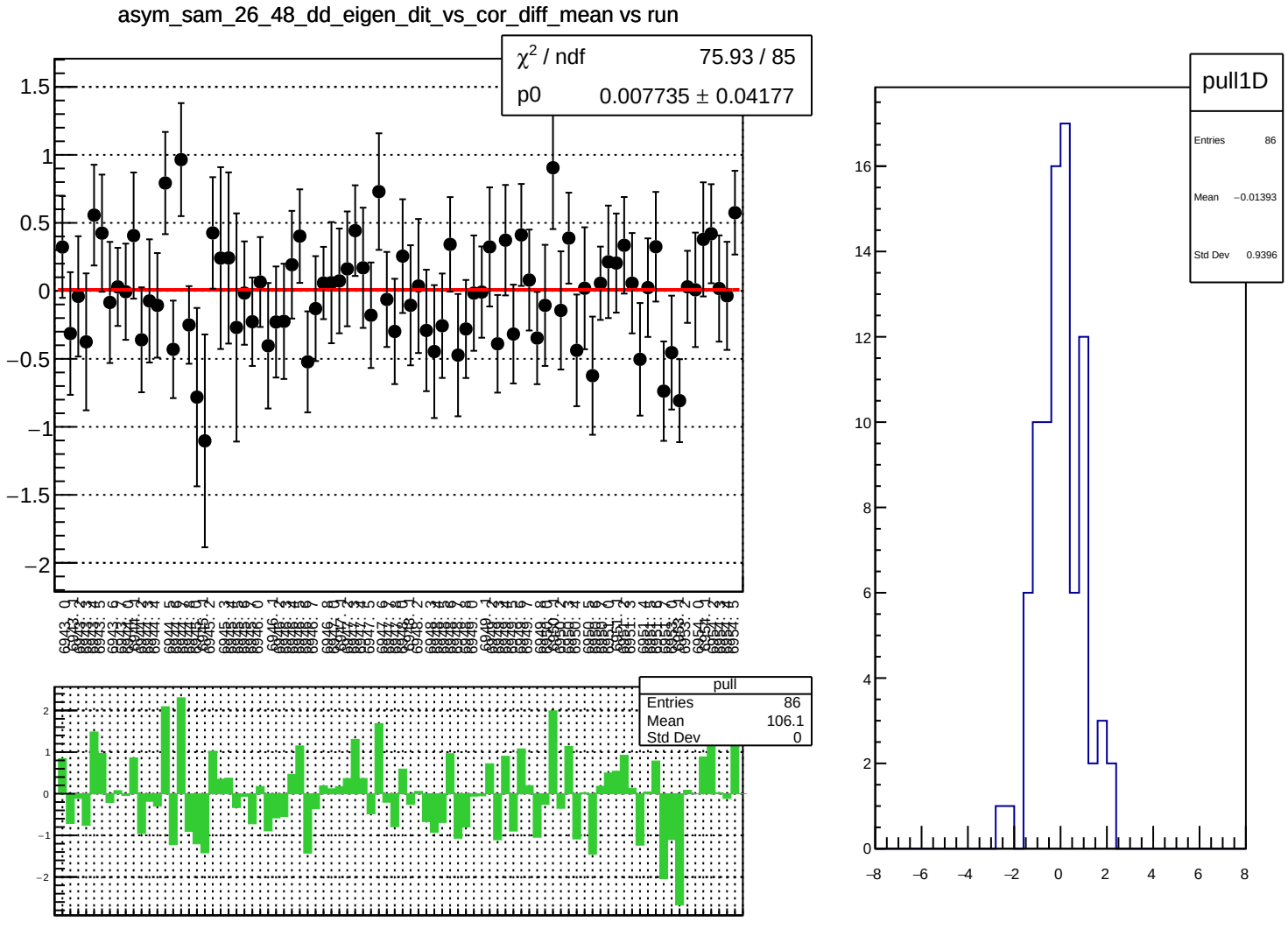

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.93 / 85
p0 0.007744 ± 0.04177
pull
Entries 86
Mean 106.1
Std Dev 0
pull1D
Entries 86
Mean −0.01393
Std Dev 0.9396

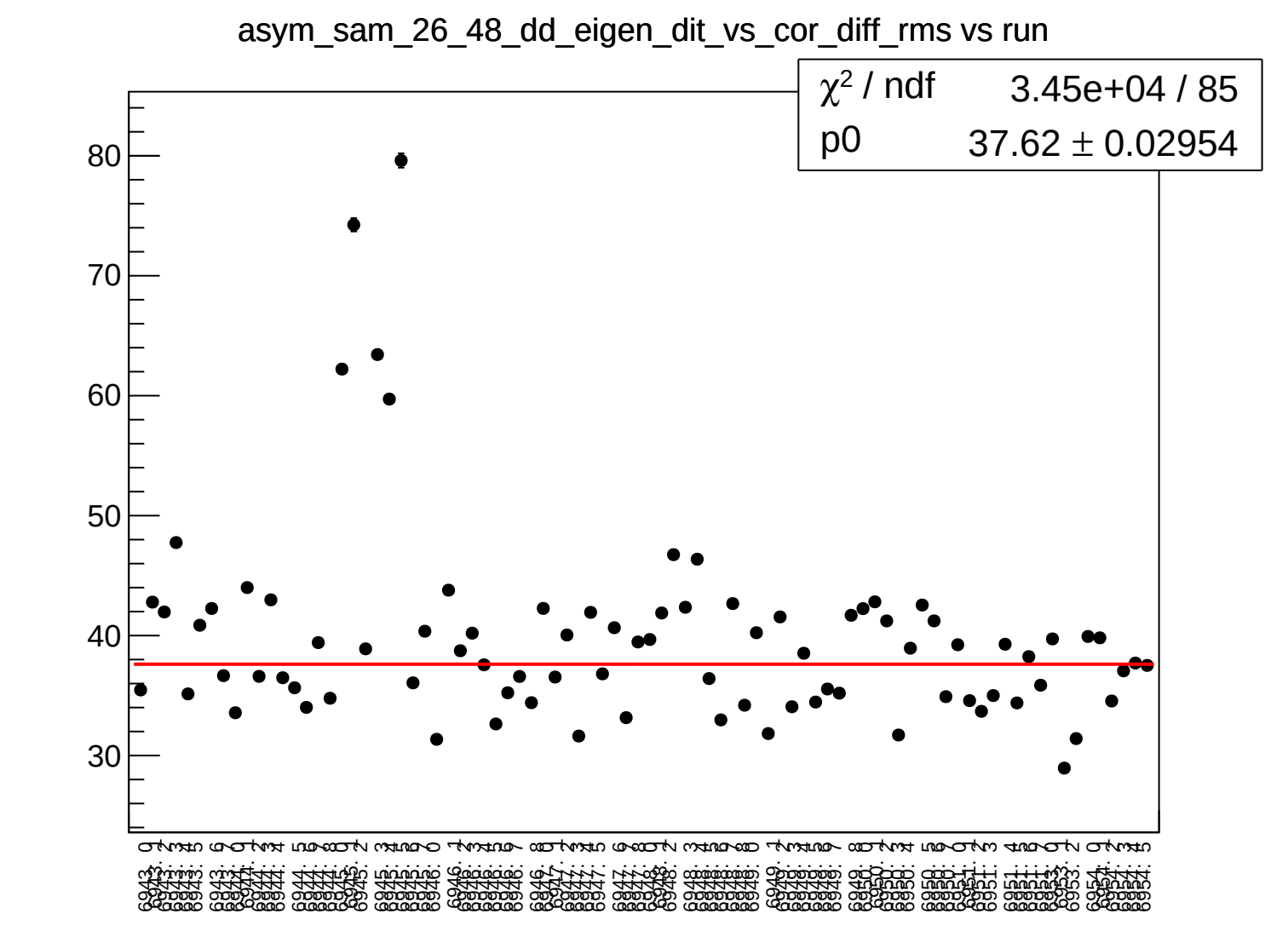

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.45e+04 / 85
p0 37.62 ± 0.02954
80
70
60
50
40
30

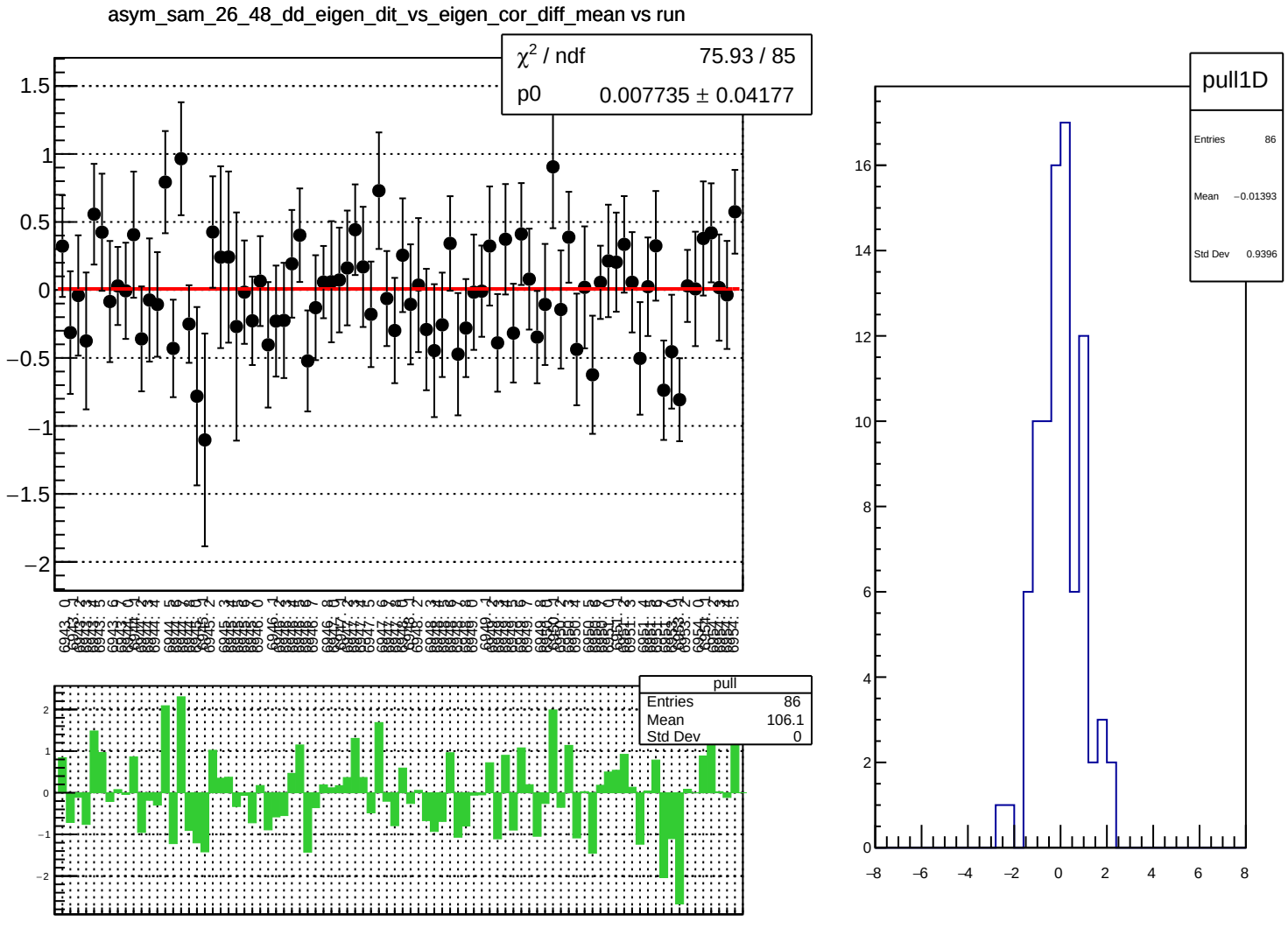

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 89.26 / 85
p0 −8.589e−06 ± 2.579e−06
pull
Entries 86
Mean 218.2
Std Dev 0

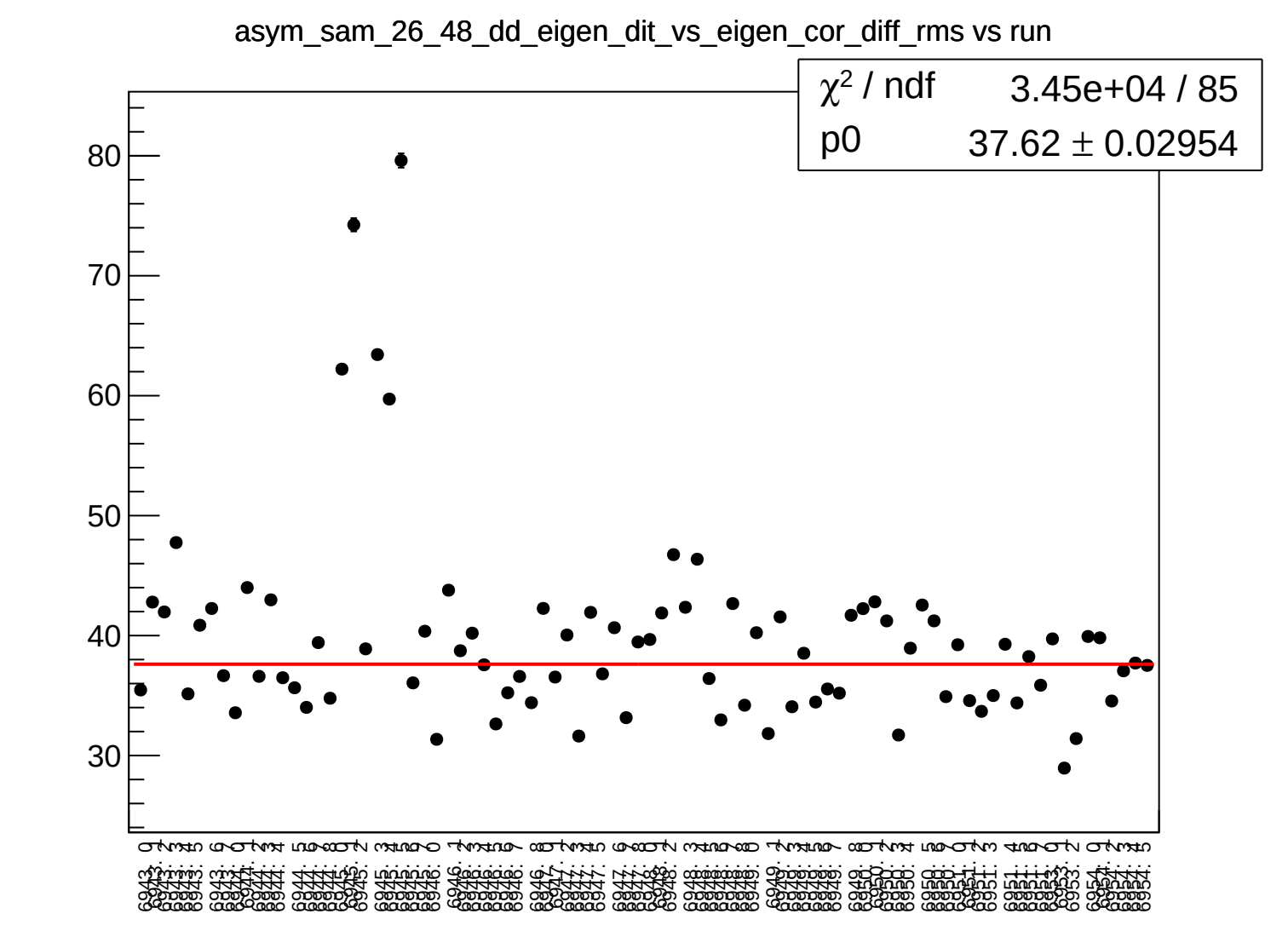

pull1D
Entries 86
Mean −0.006536
Std Dev 1.019

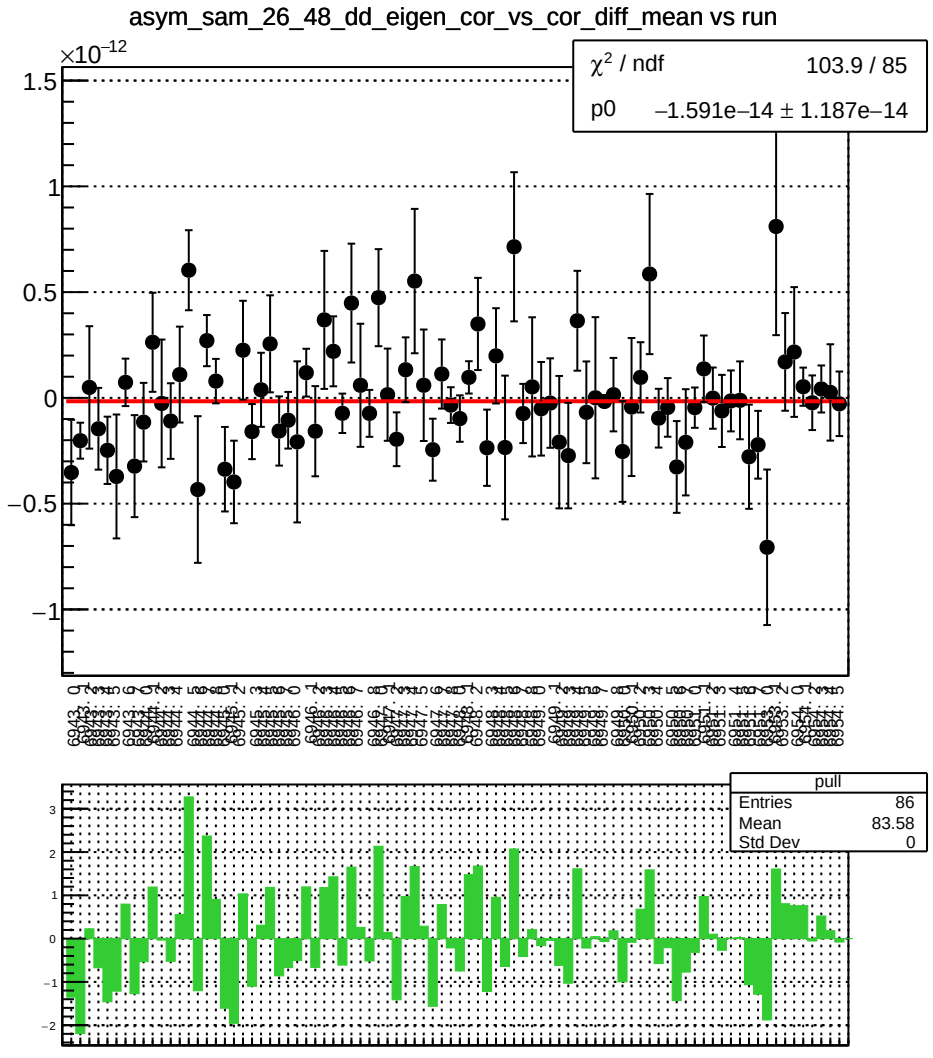

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.067e+04 / 85
p0 0.002339 ± 1.823e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

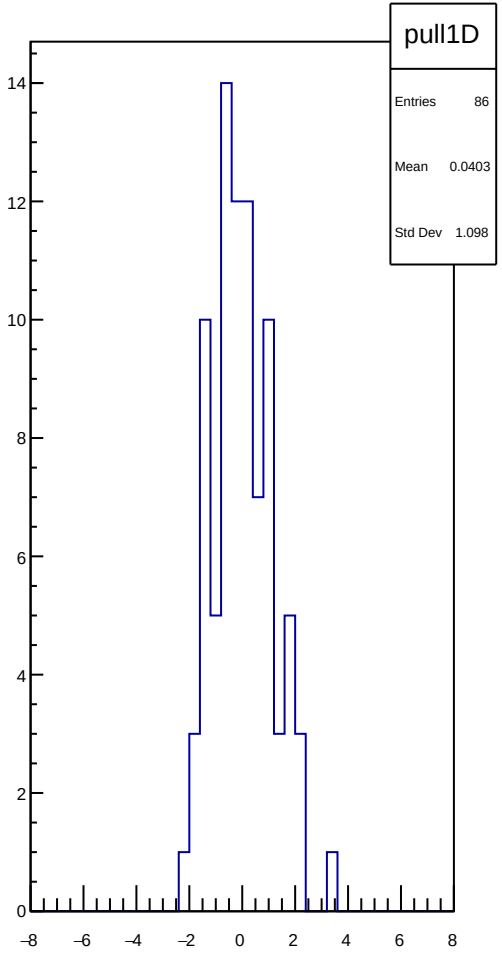

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.93 / 85
p0 0.007735 ± 0.04177
pull
Entries 86
Mean 106.1
Std Dev 0
pull1D
Entries 86
Mean −0.01393
Std Dev 0.9396

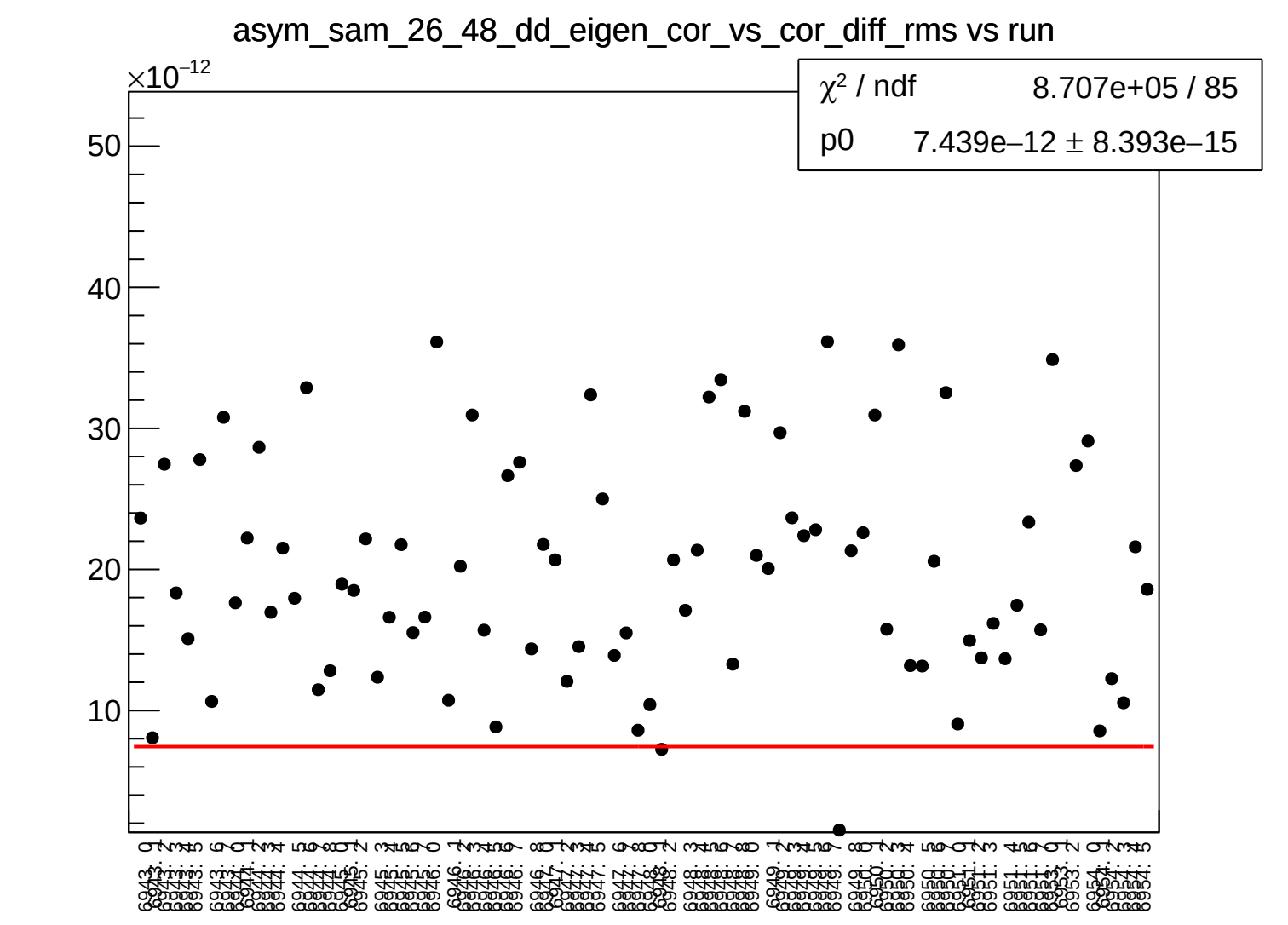

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.45e+04 / 85
p0 37.62 ± 0.02954
80
70
60
50
40
30

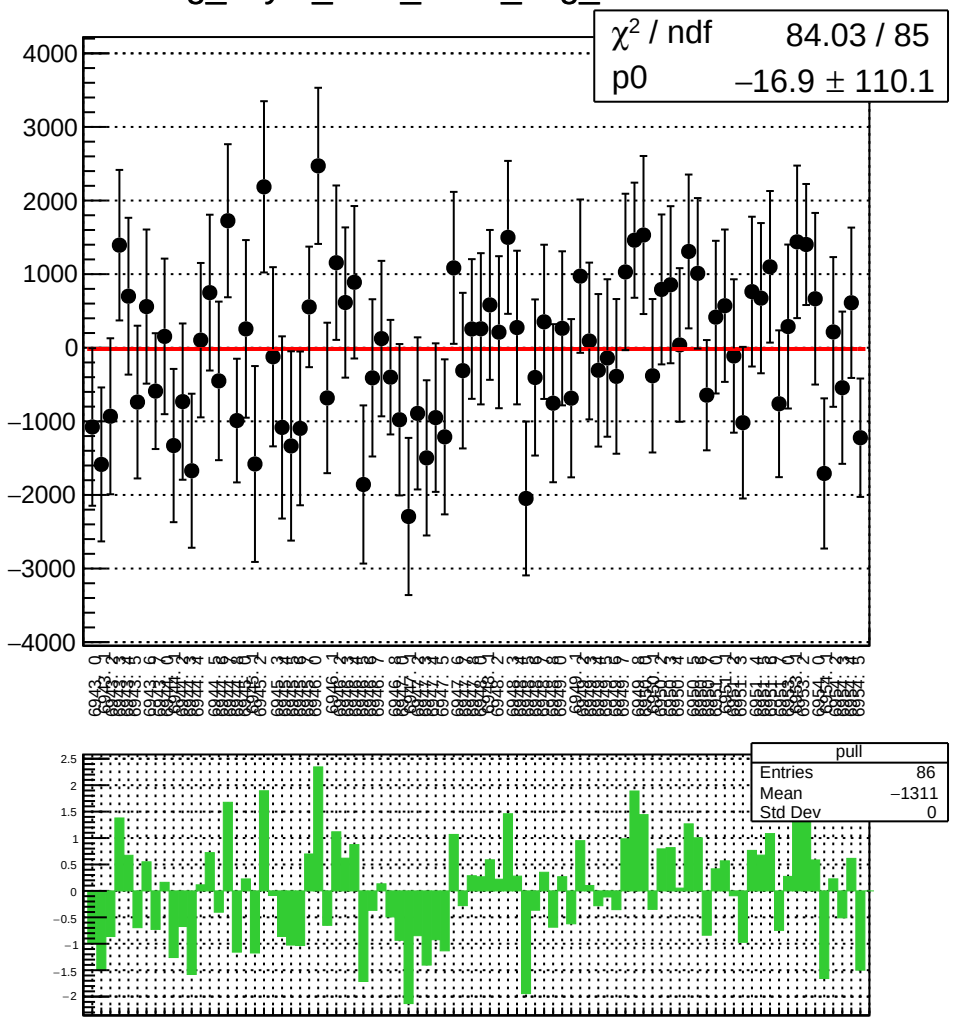

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.93 / 85
p0 0.007735 ± 0.04177
pull
Entries 86
Mean 106.1
Std Dev 0
pull1D
Entries 86
Mean −0.01393
Std Dev 0.9396

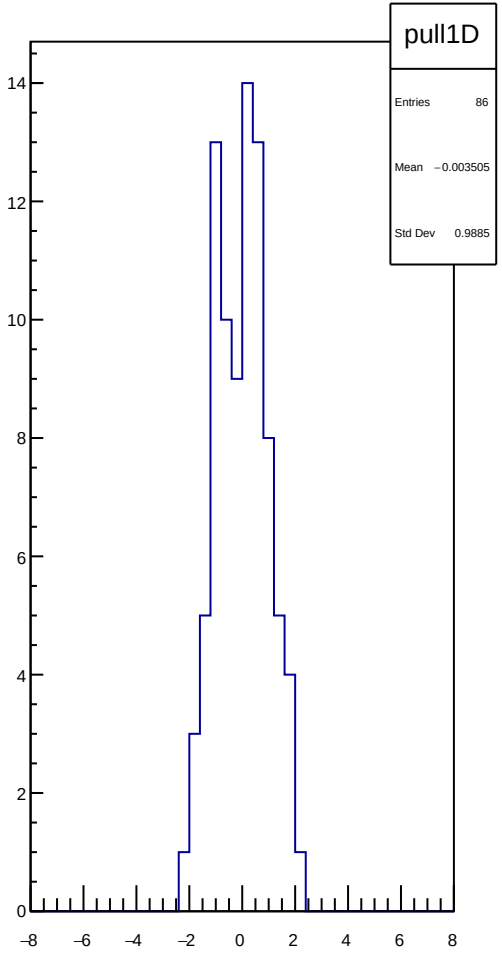

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.45e+04 / 85
p0 37.62 ± 0.02954
80
70
60
50
40
30

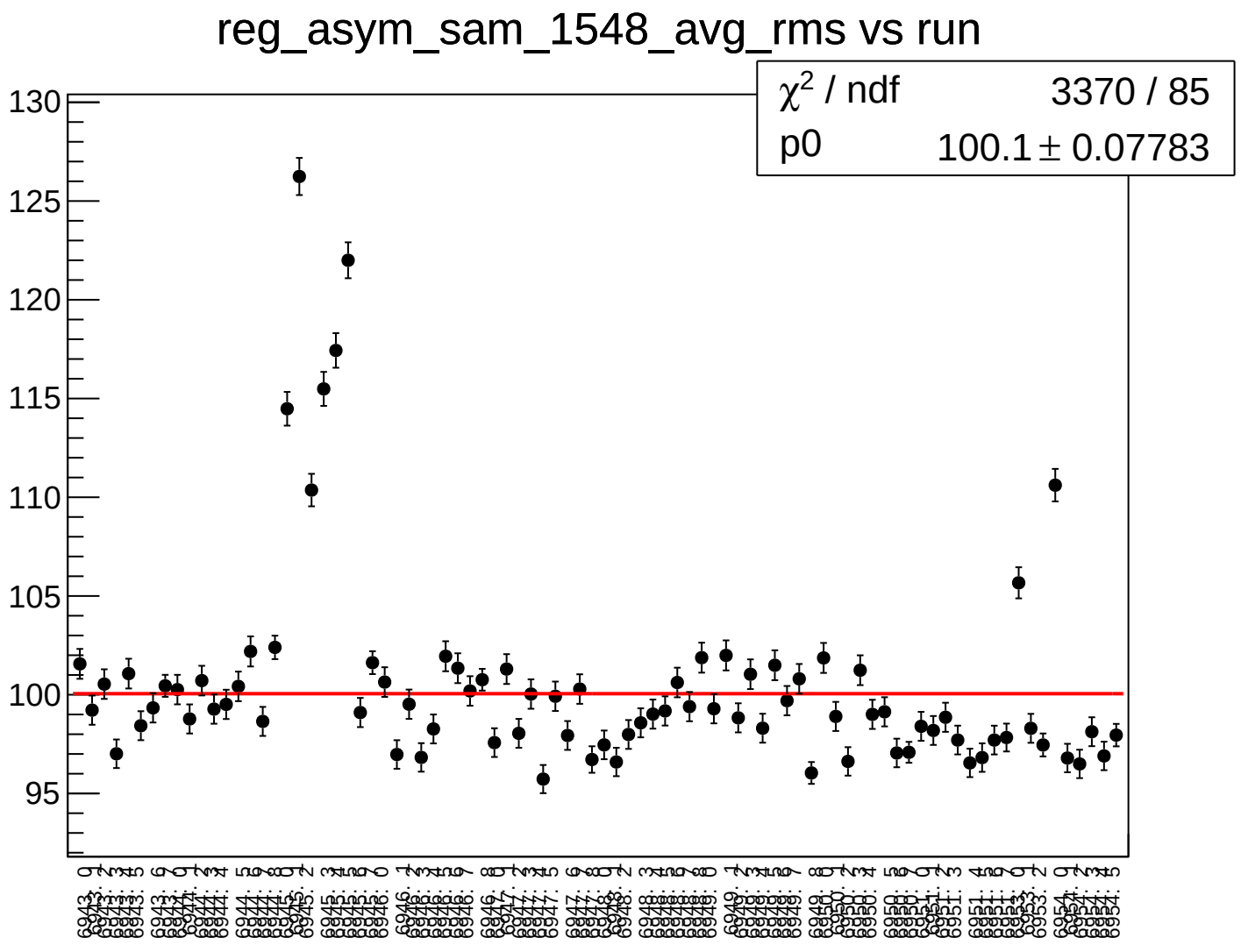

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.9 / 85
p0 −1.591e−14 ± 1.187e−14
pull
Entries 86
Mean 83.58
Std Dev 0

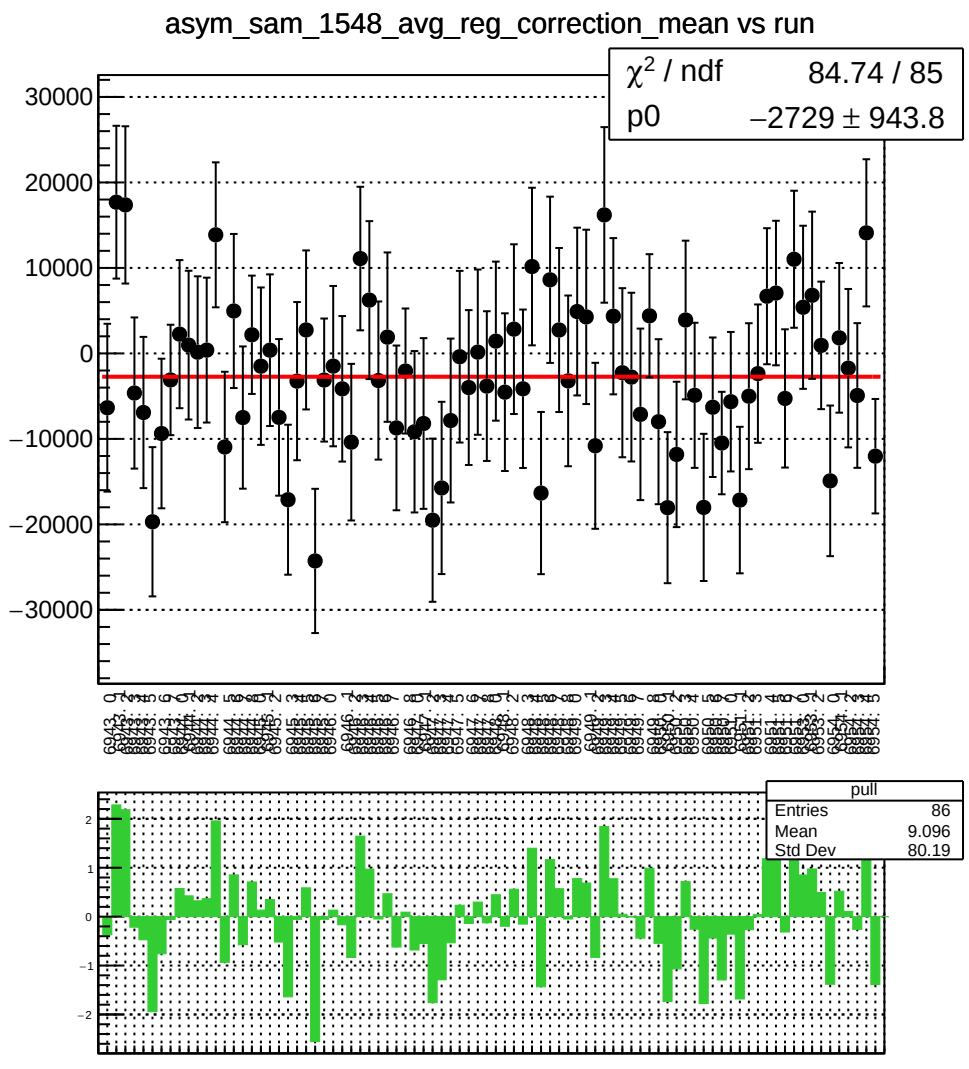

pull1D
Entries 86
Mean 0.0403
Std Dev 1.098

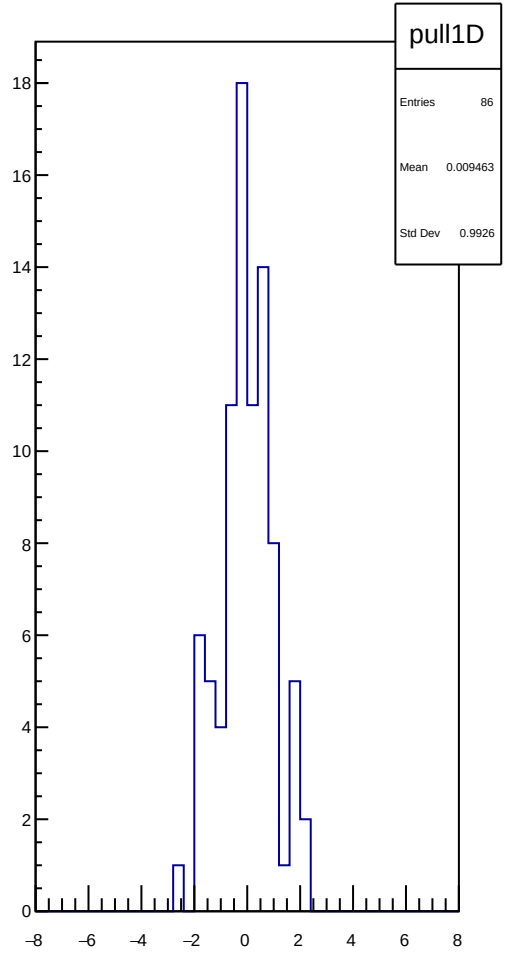

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 8.707e+05 / 85
p0 7.439e−12 ± 8.393e−15
50
40
30
20
10

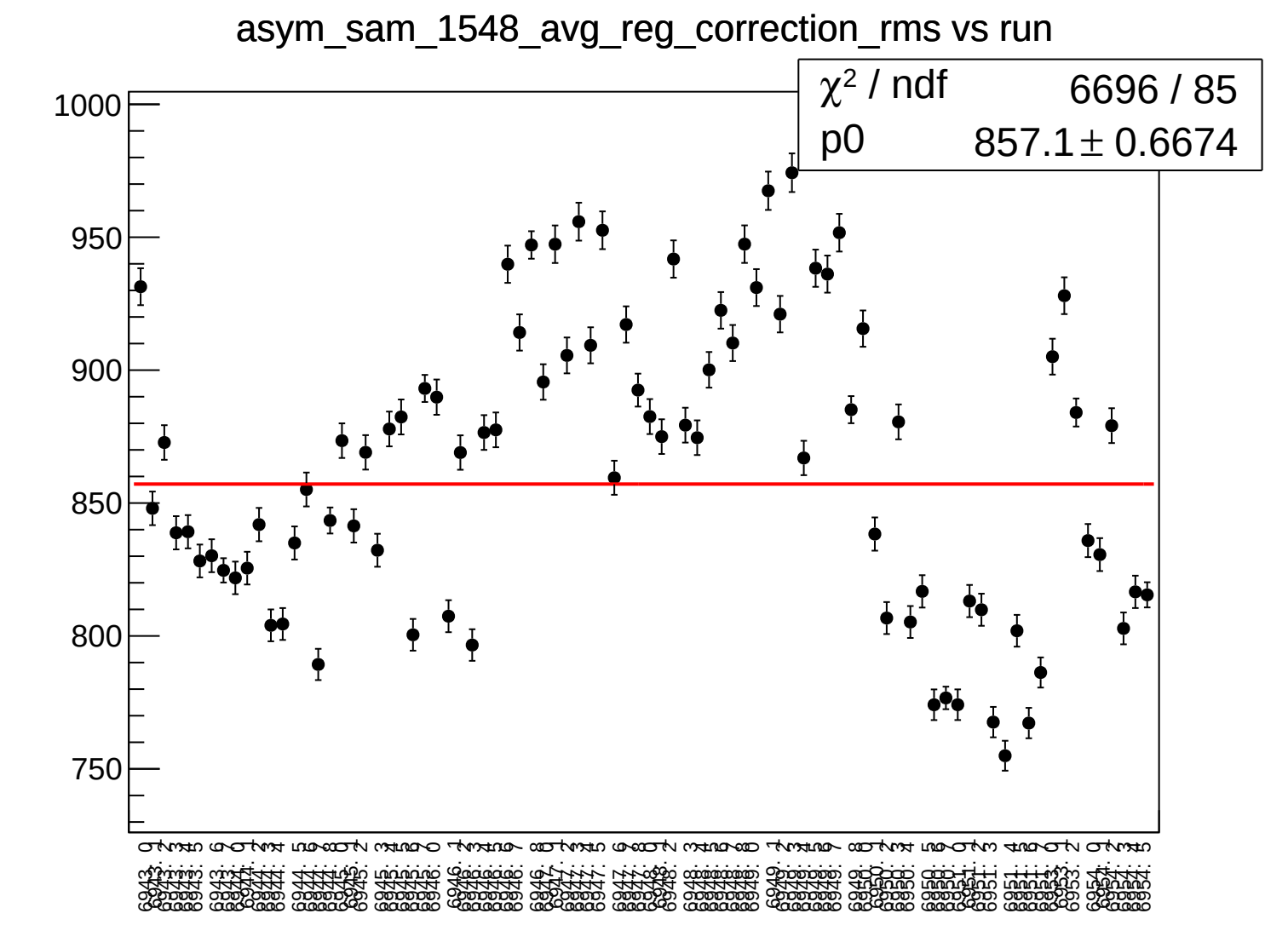

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 84.03 / 85
p0 −16.9 ± 110.1
pull
Entries 86
Mean −1311
Std Dev 0

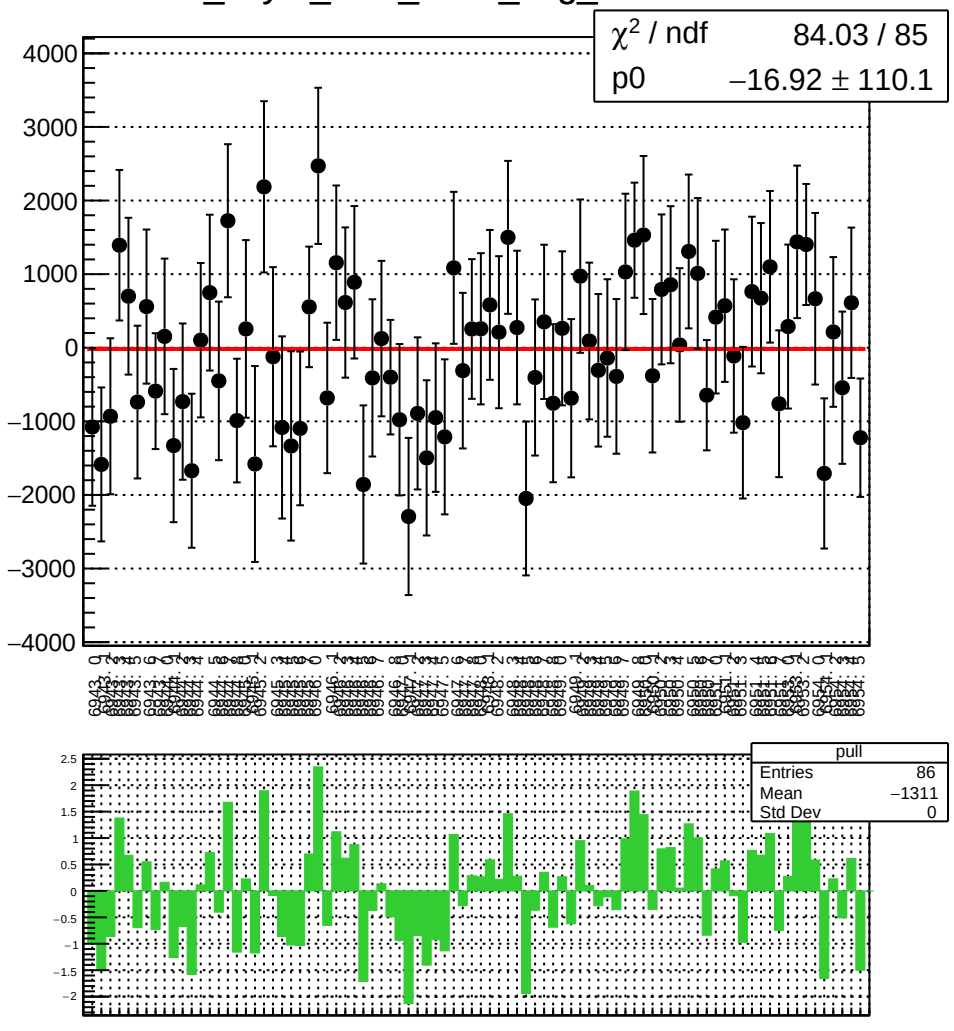

pull1D
Entries 86
Mean −0.003505
Std Dev 0.9885

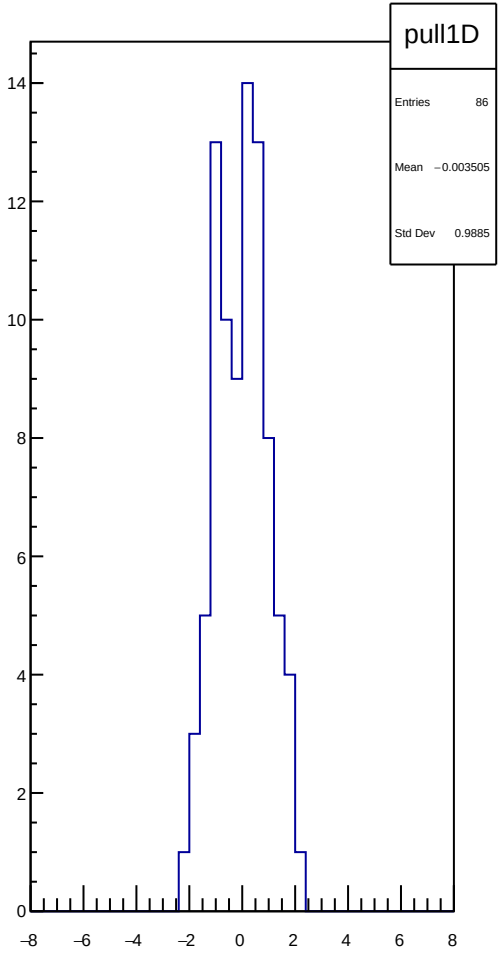

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3370 / 85
p0 100.1 ± 0.07783
130
125
120
115
110
105
100
95

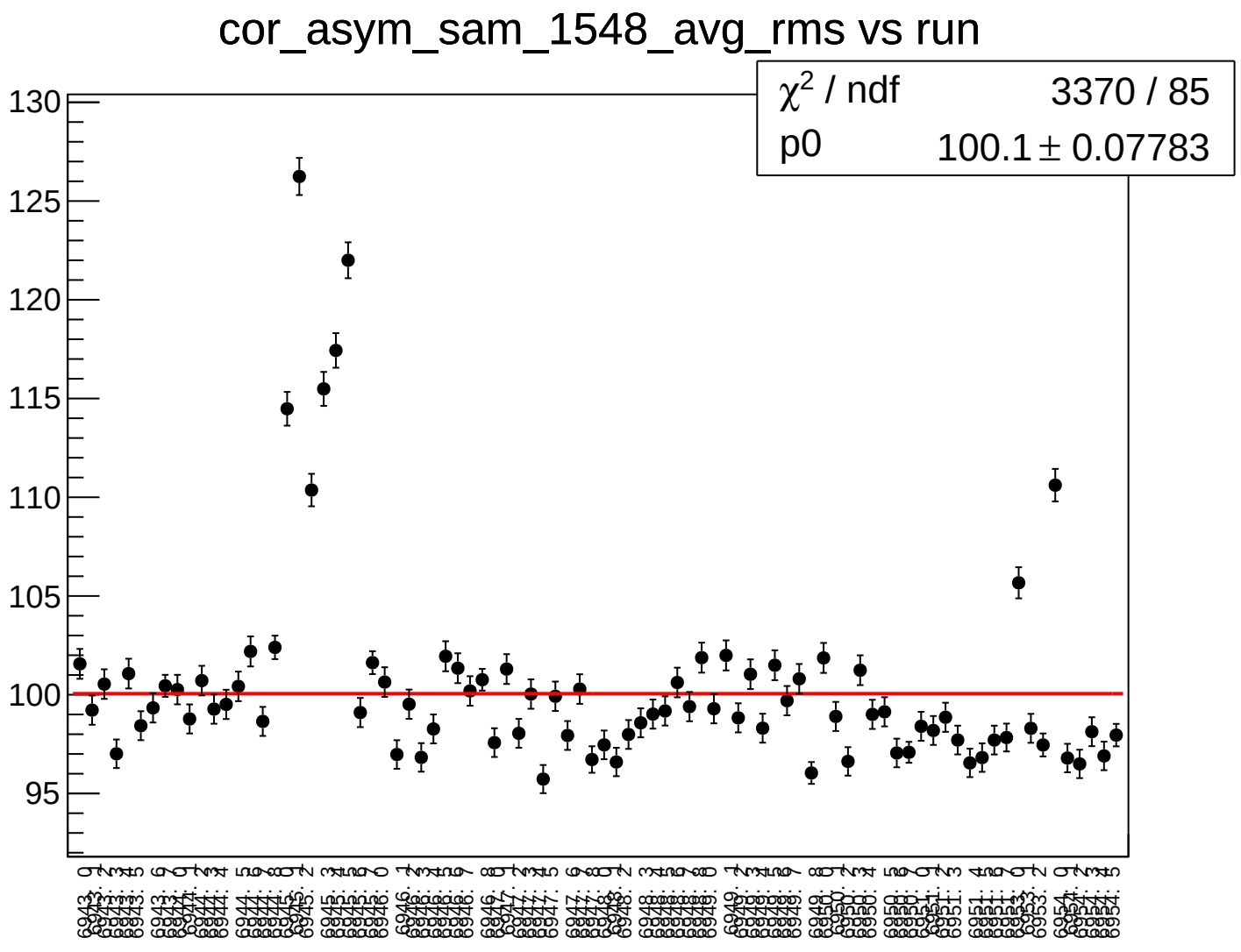

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 84.74 / 85
p0 −2729 ± 943.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 9.096
Std Dev 80.19
2
1
0
−1
−2

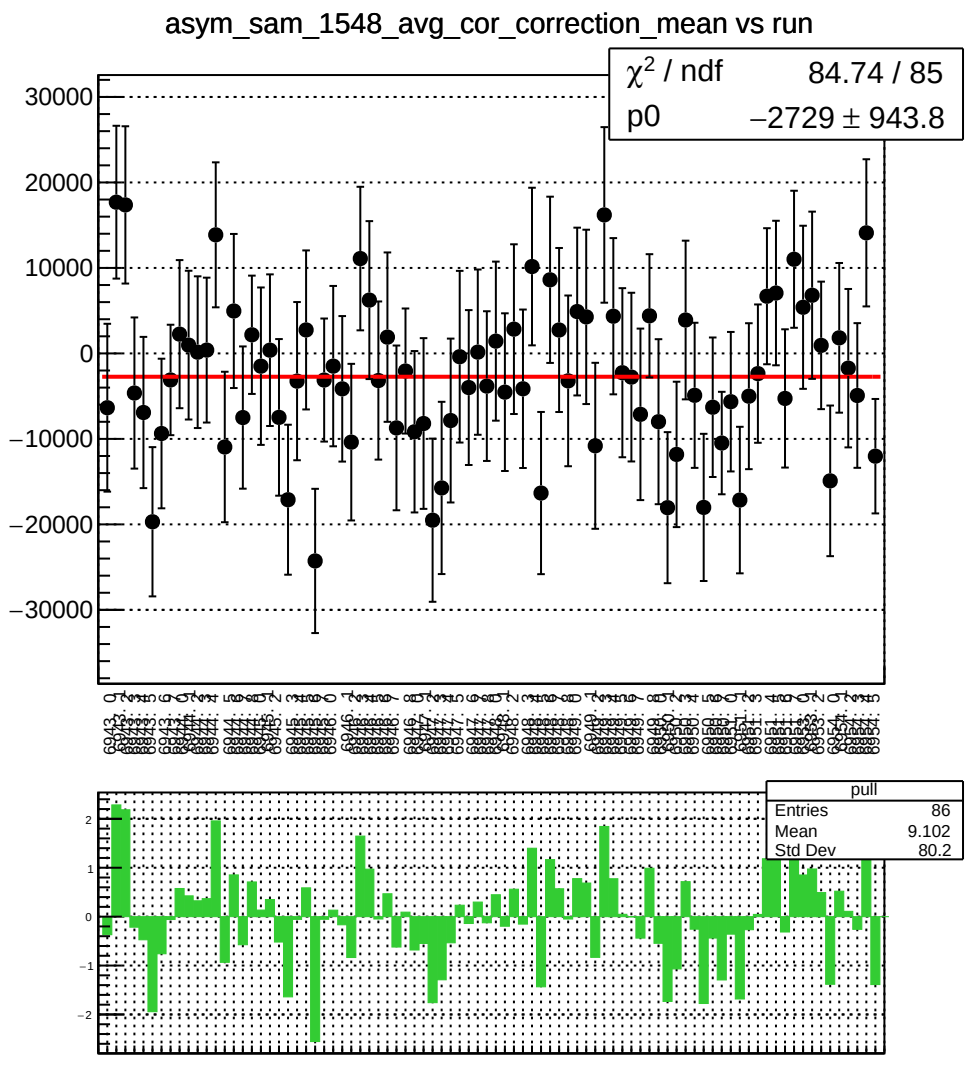

pull1D
Entries 86
Mean 0.009463
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

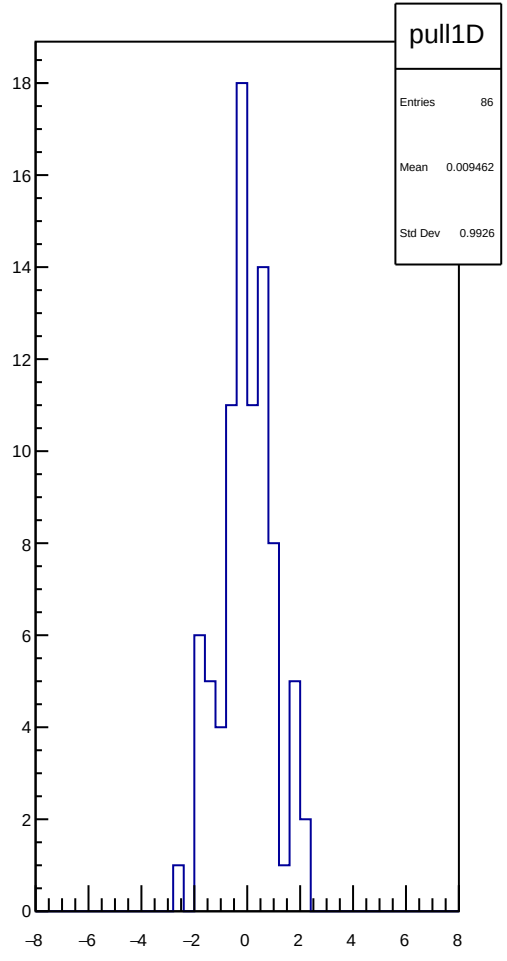

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 6696 / 85
p0 857.1 ± 0.6674
1000
950
900
850
800
750

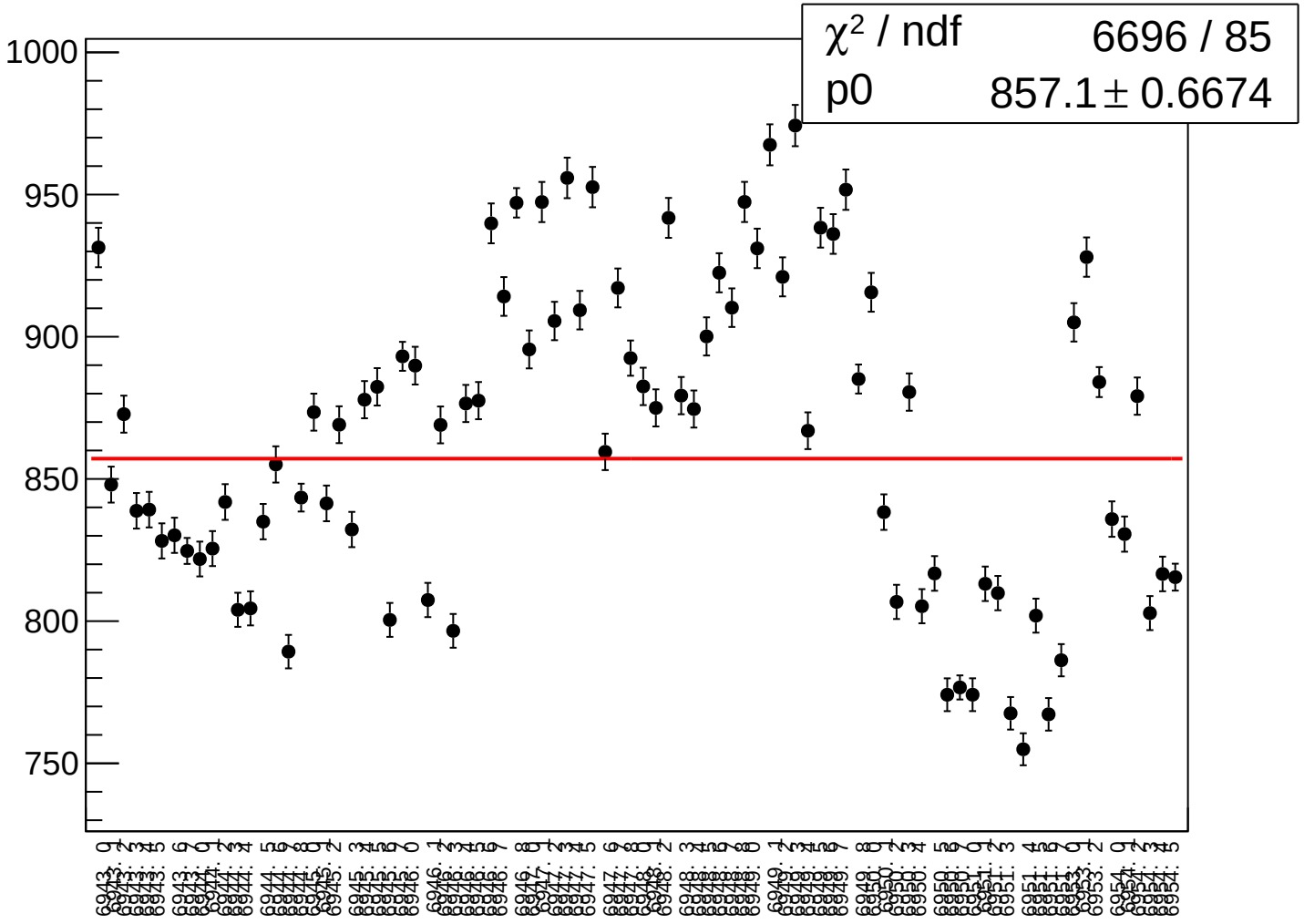

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 84.03 / 85
p0 −16.92 ± 110.1
pull
Entries 86
Mean −1311
Std Dev 0

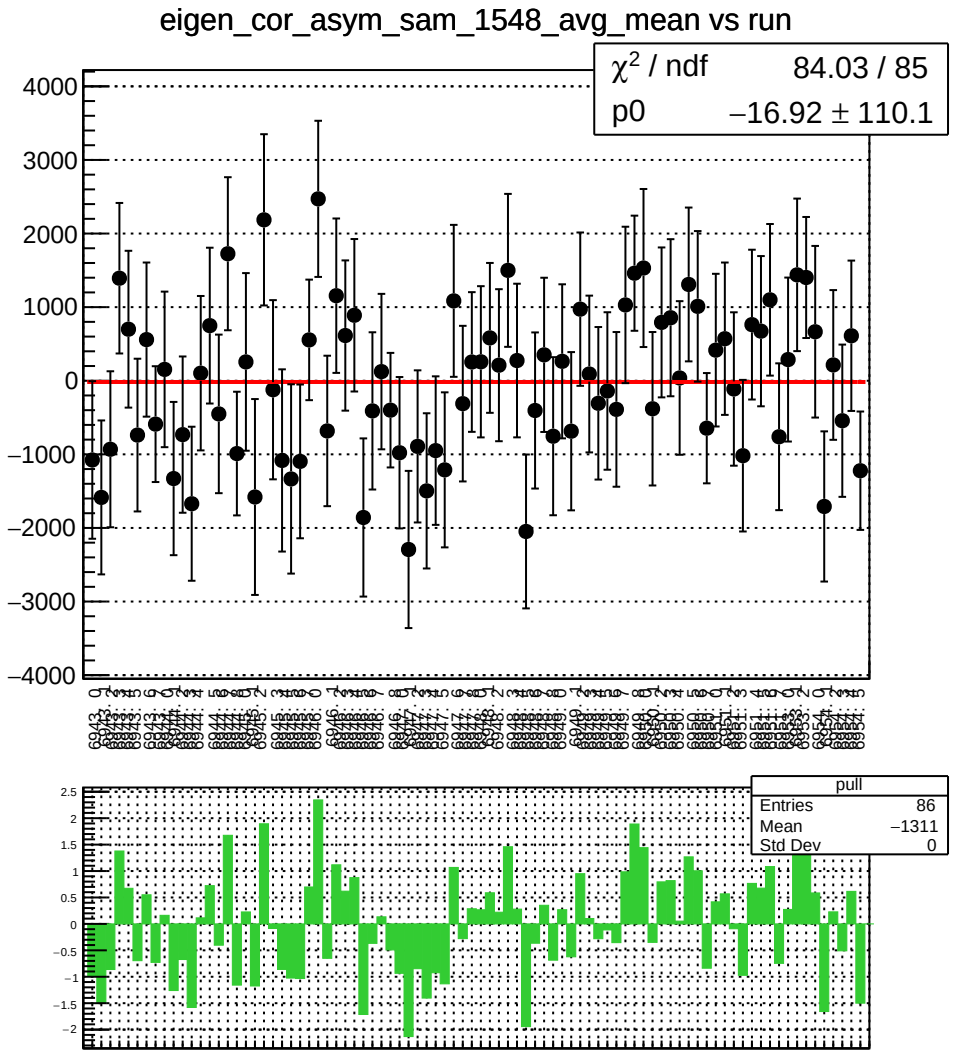

pull1D
Entries 86
Mean −0.003505
Std Dev 0.9885

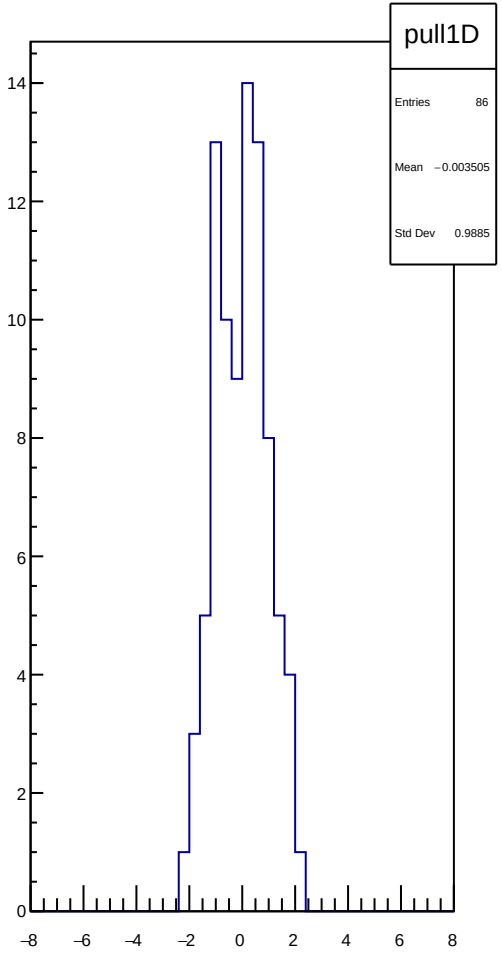

cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3370 / 85
p0 100.1 ± 0.07783
130
125
120
115
110
105
100
95

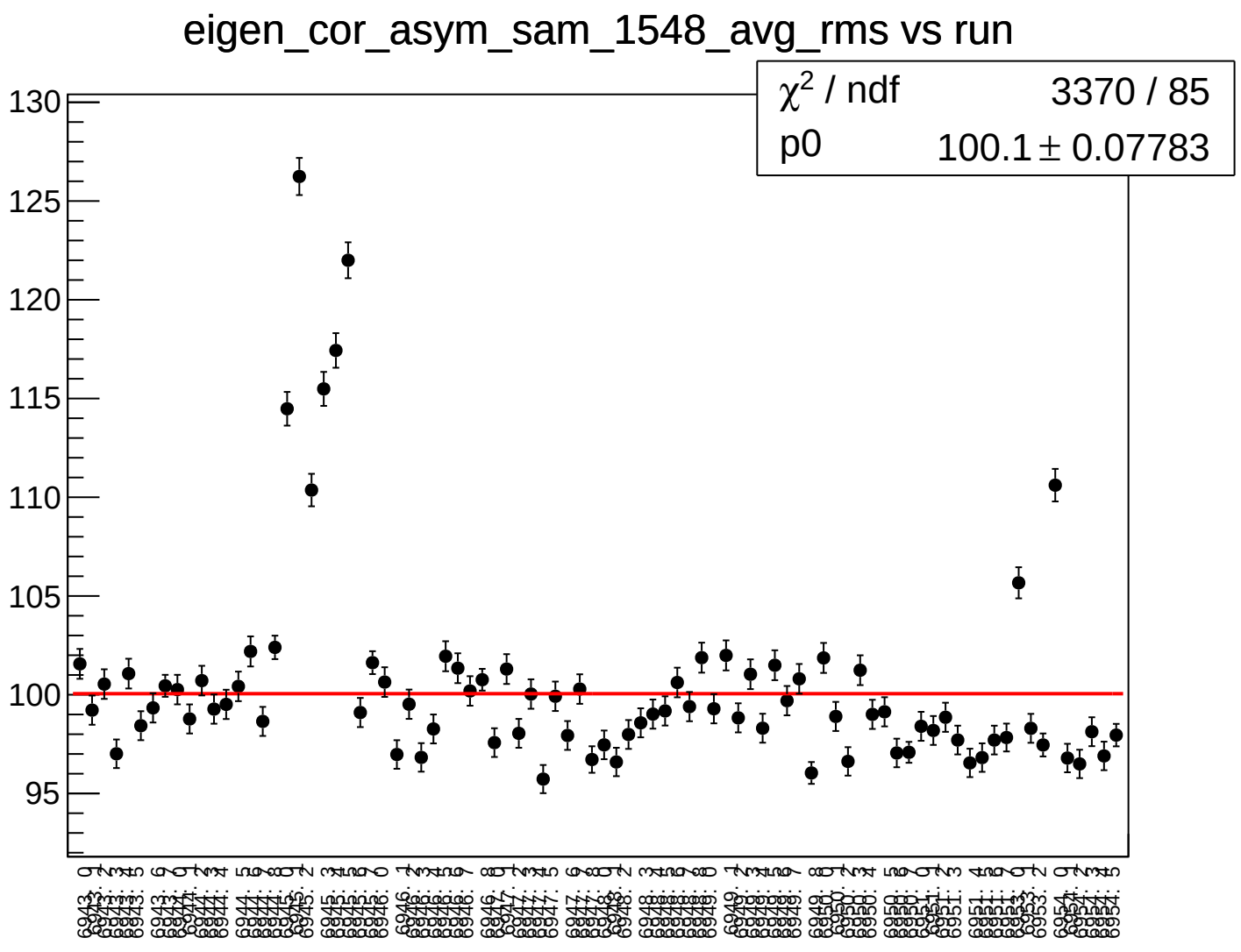

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 84.74 / 85
p0 −2729 ± 943.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 9.102
Std Dev 80.2
2
1
0
−1
−2

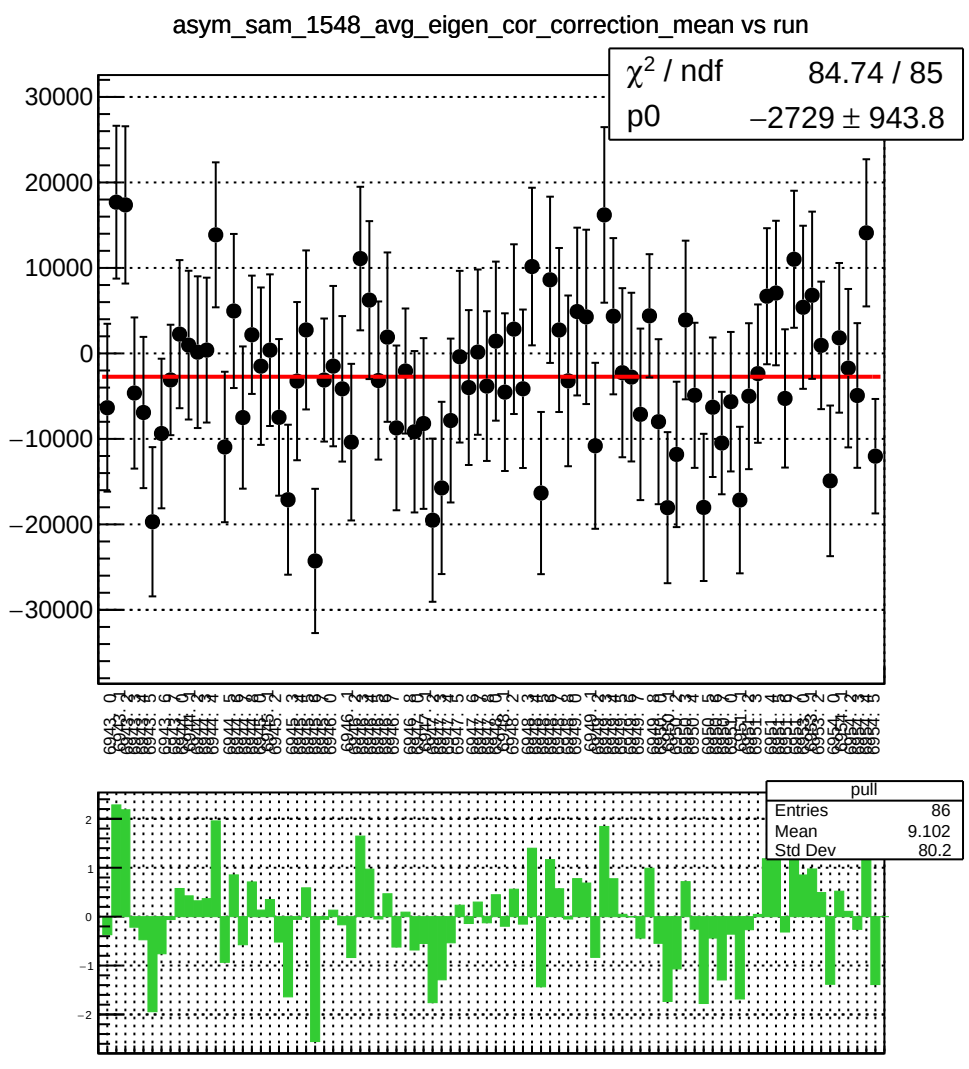

pull1D
Entries 86
Mean 0.009462
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

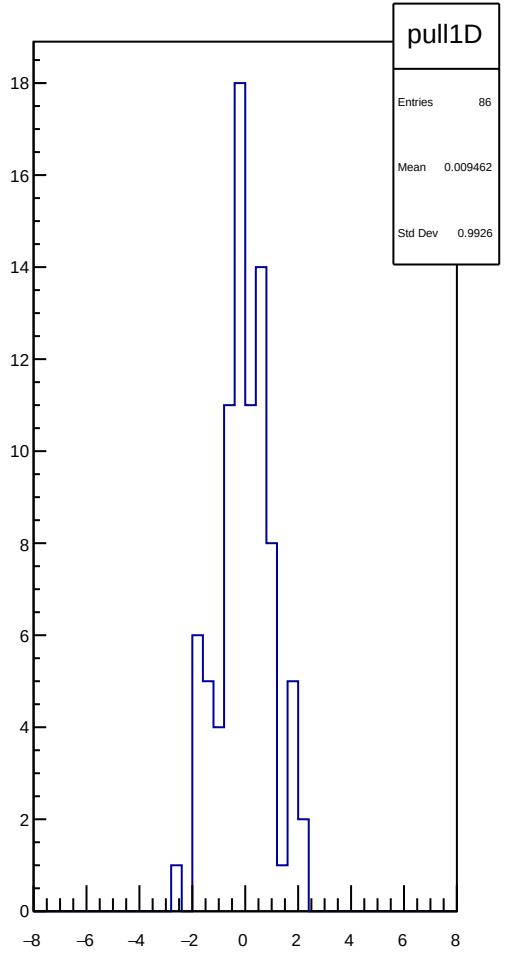

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 6696 / 85
p0 857.1 ± 0.6674
1000
950
900
850
800
750

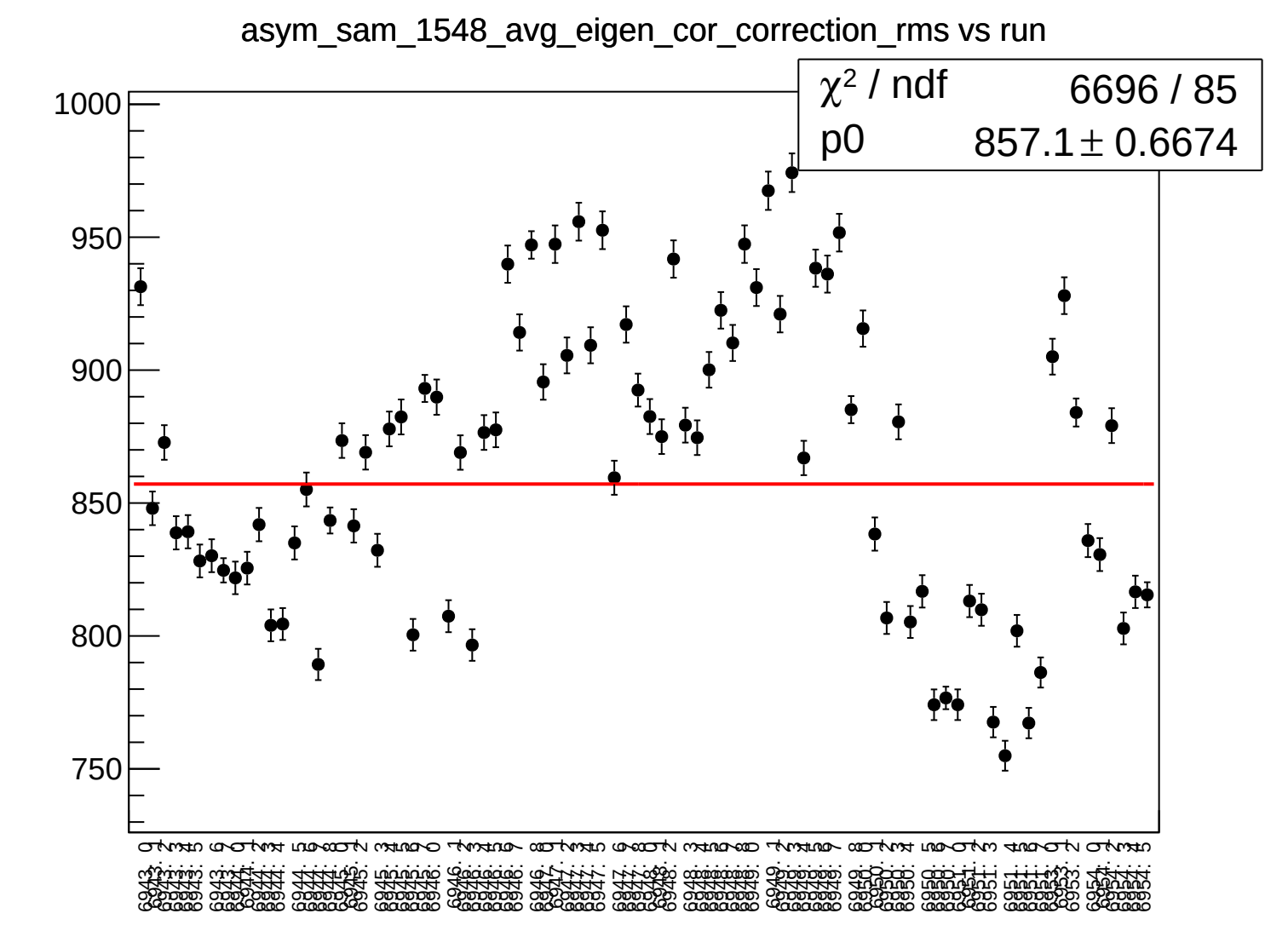

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 84.03 / 85
p0 −16.92 ± 110.1
pull
Entries 86
Mean −1311
Std Dev 0

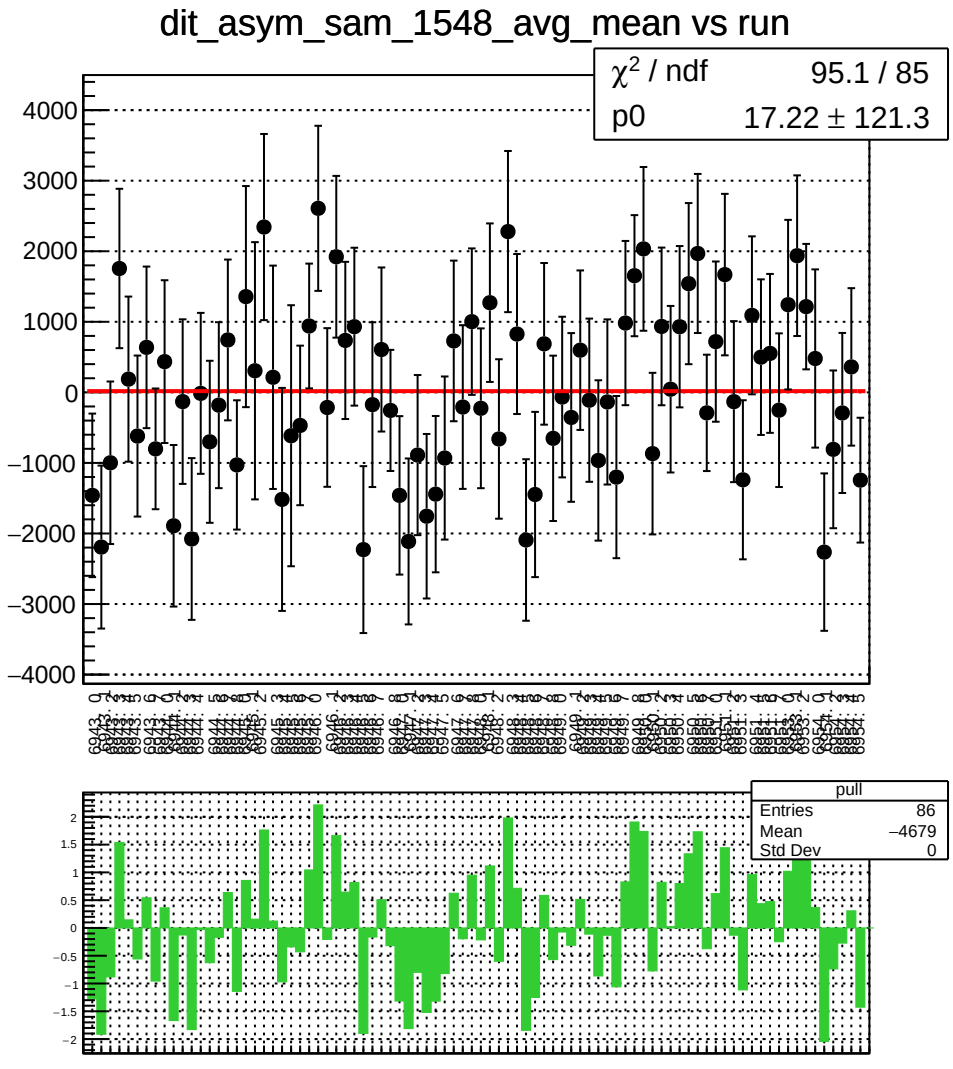

pull1D
Entries 86
Mean −0.003505
Std Dev 0.9885

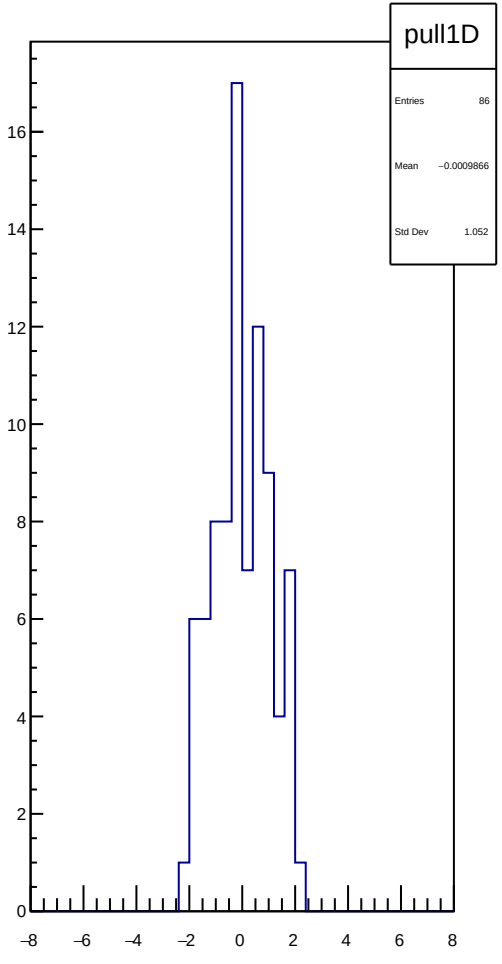

eigen_cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3370 / 85
p0 100.1 ± 0.07783
130
125
120
115
110
105
100
95

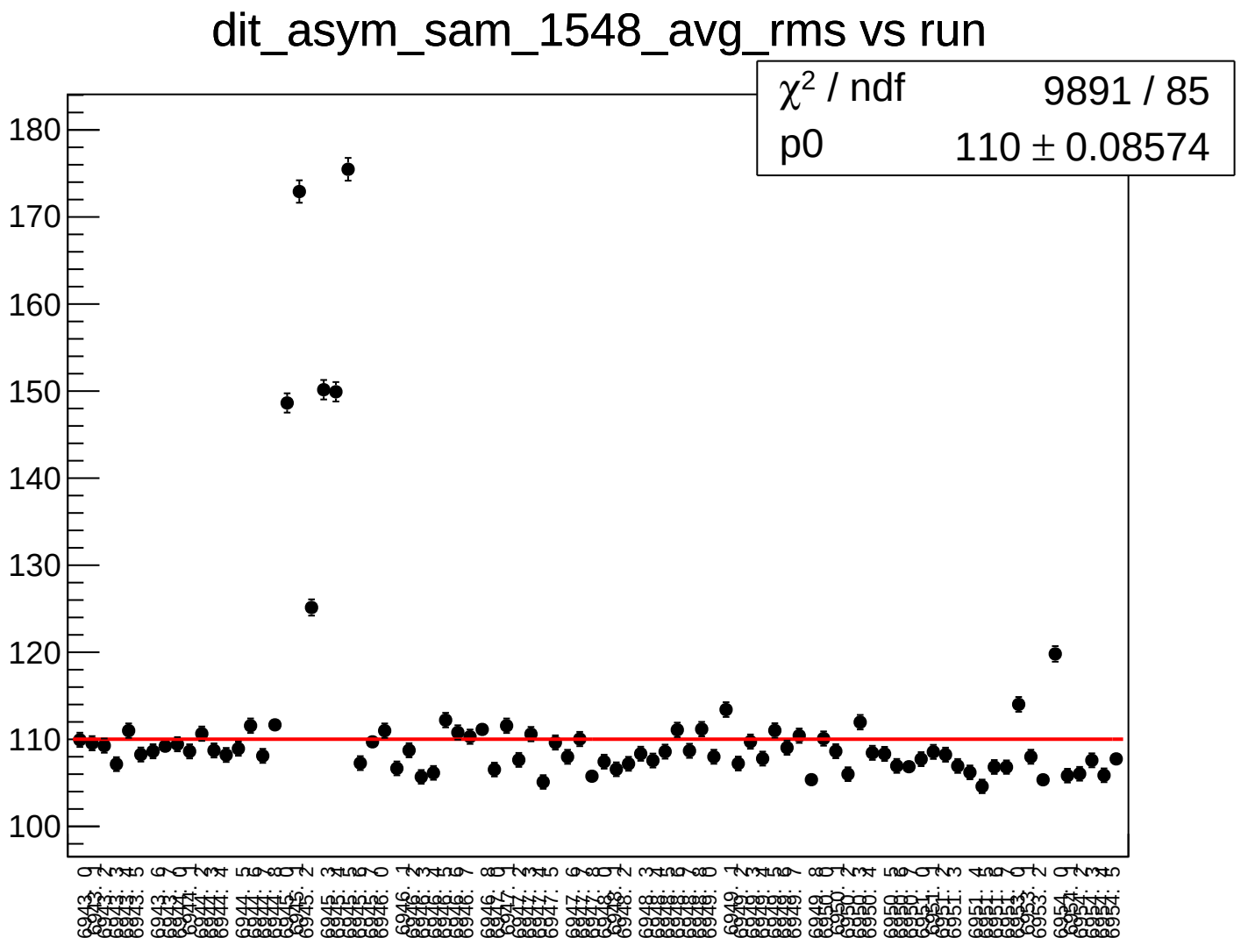

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.74 / 85
p0 −2729 ± 943.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 9.102
Std Dev 80.2
2
1
0
−1
−2

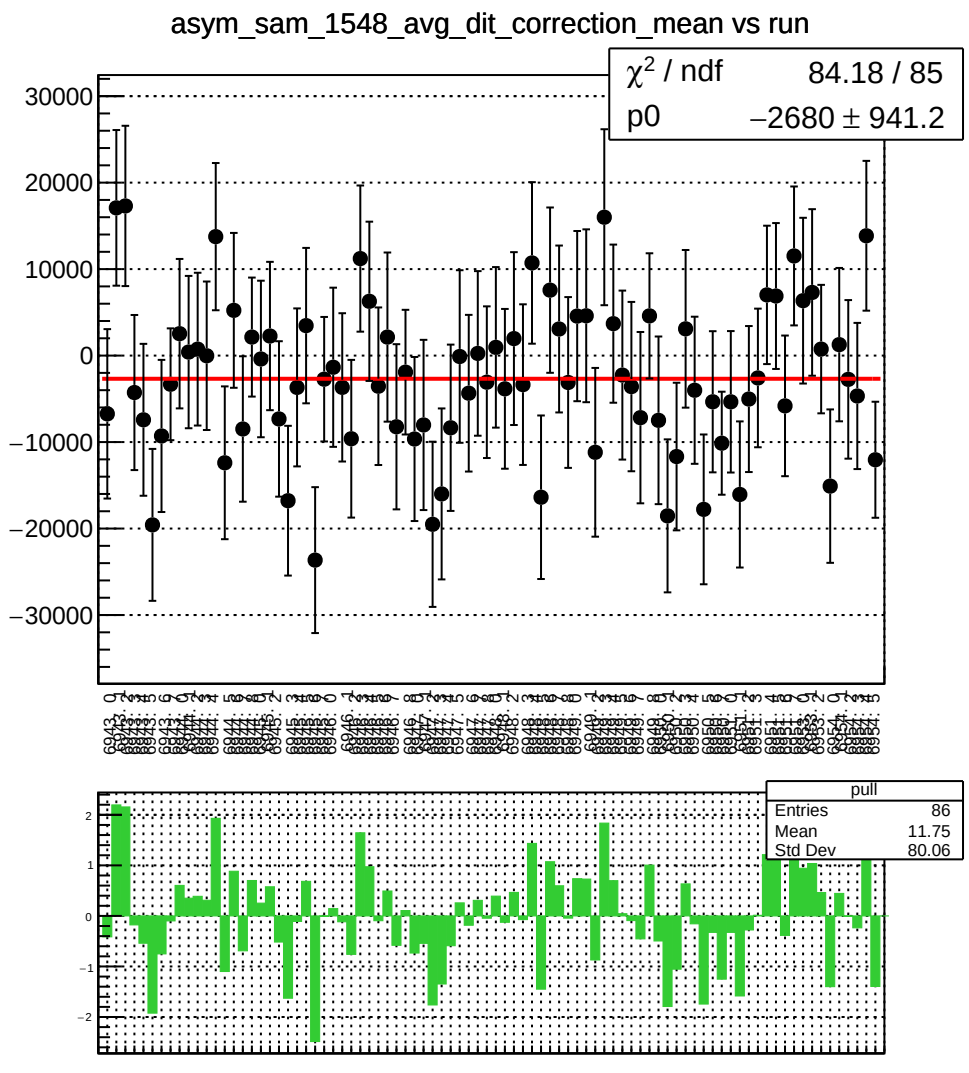

pull1D
Entries 86
Mean 0.009462
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

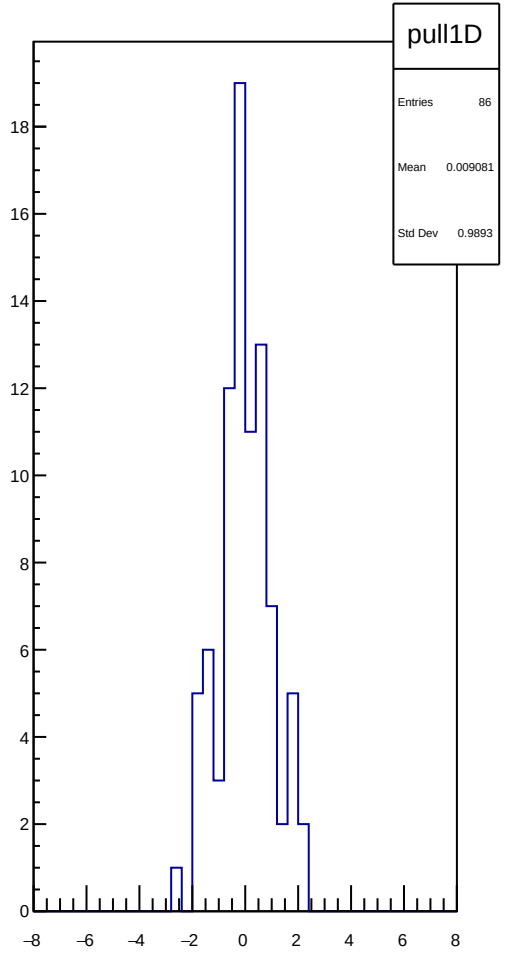

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 6696 / 85
p0 857.1 ± 0.6674
1000
950
900
850
800
750

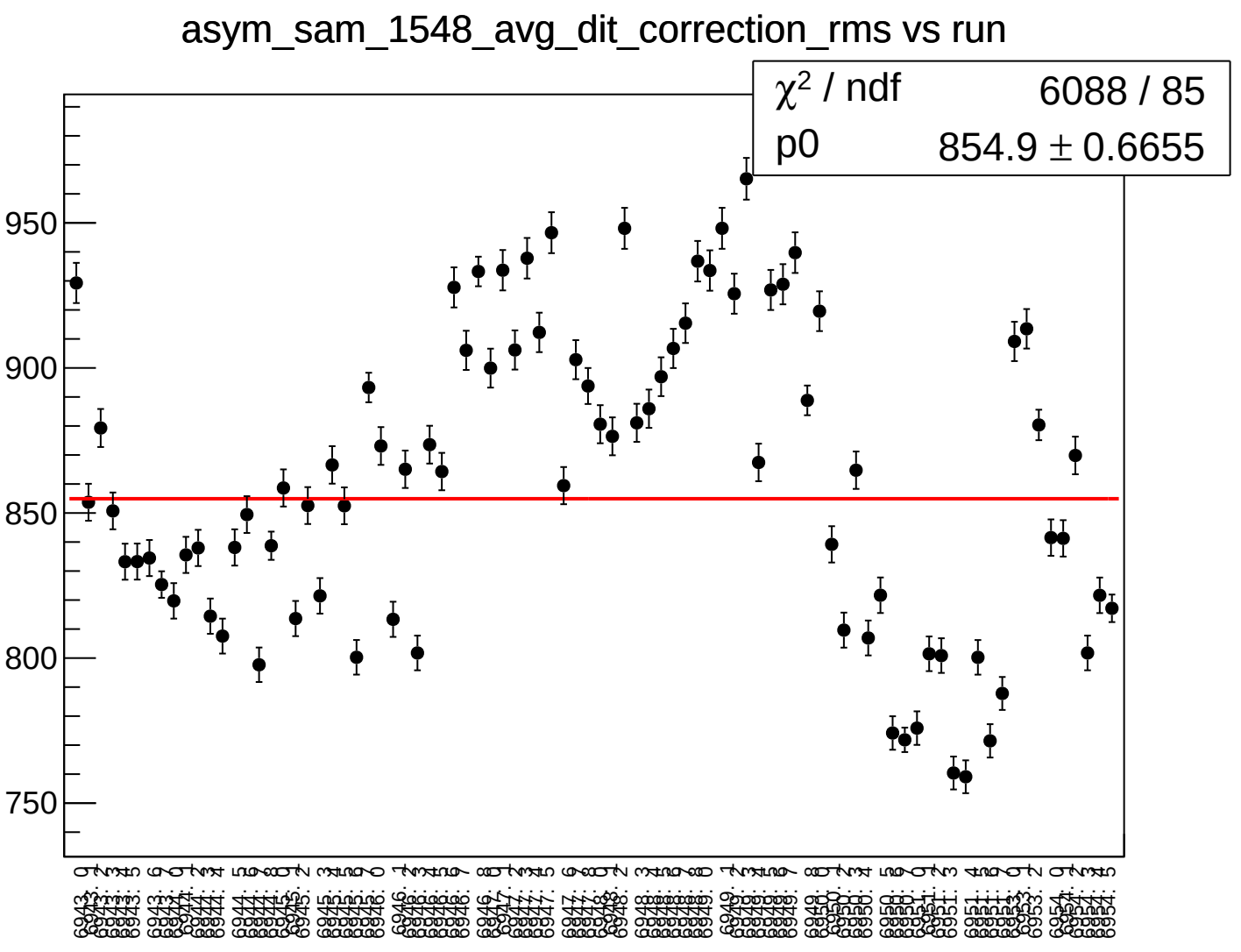

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 95.1 / 85
p0 17.22 ± 121.3
pull
Entries 86
Mean −4679
Std Dev 0

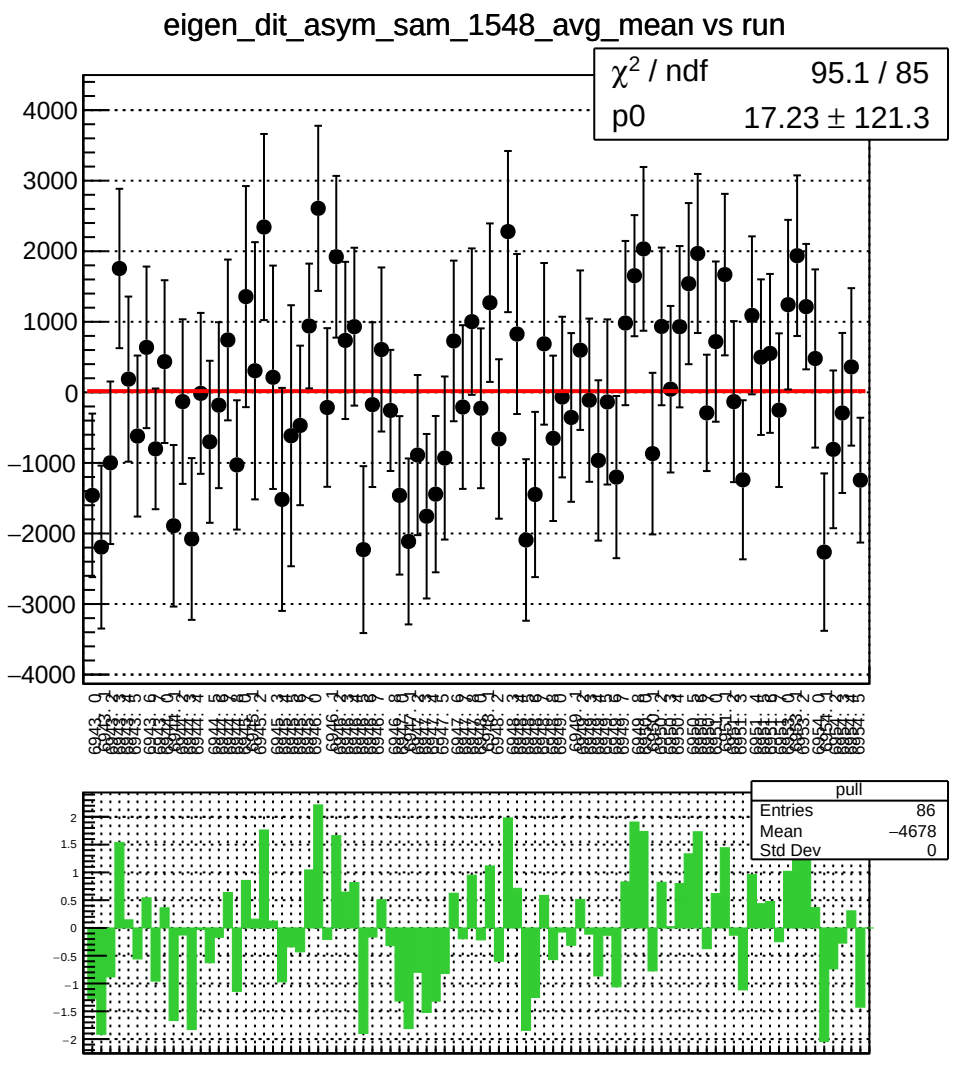

pull1D
Entries 86
Mean −0.0009866
Std Dev 1.052

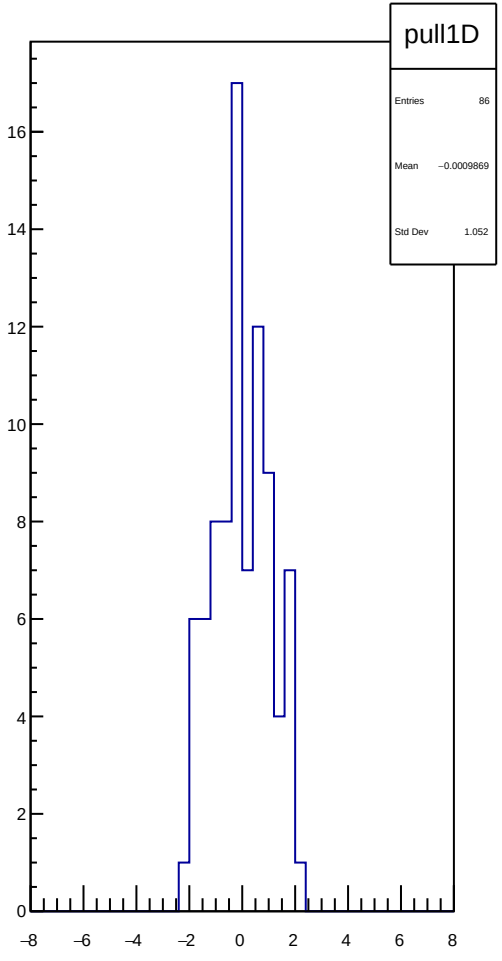

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 9891 / 85
p0 110 ± 0.08574
180
170
160
150
140
130
120
110
100

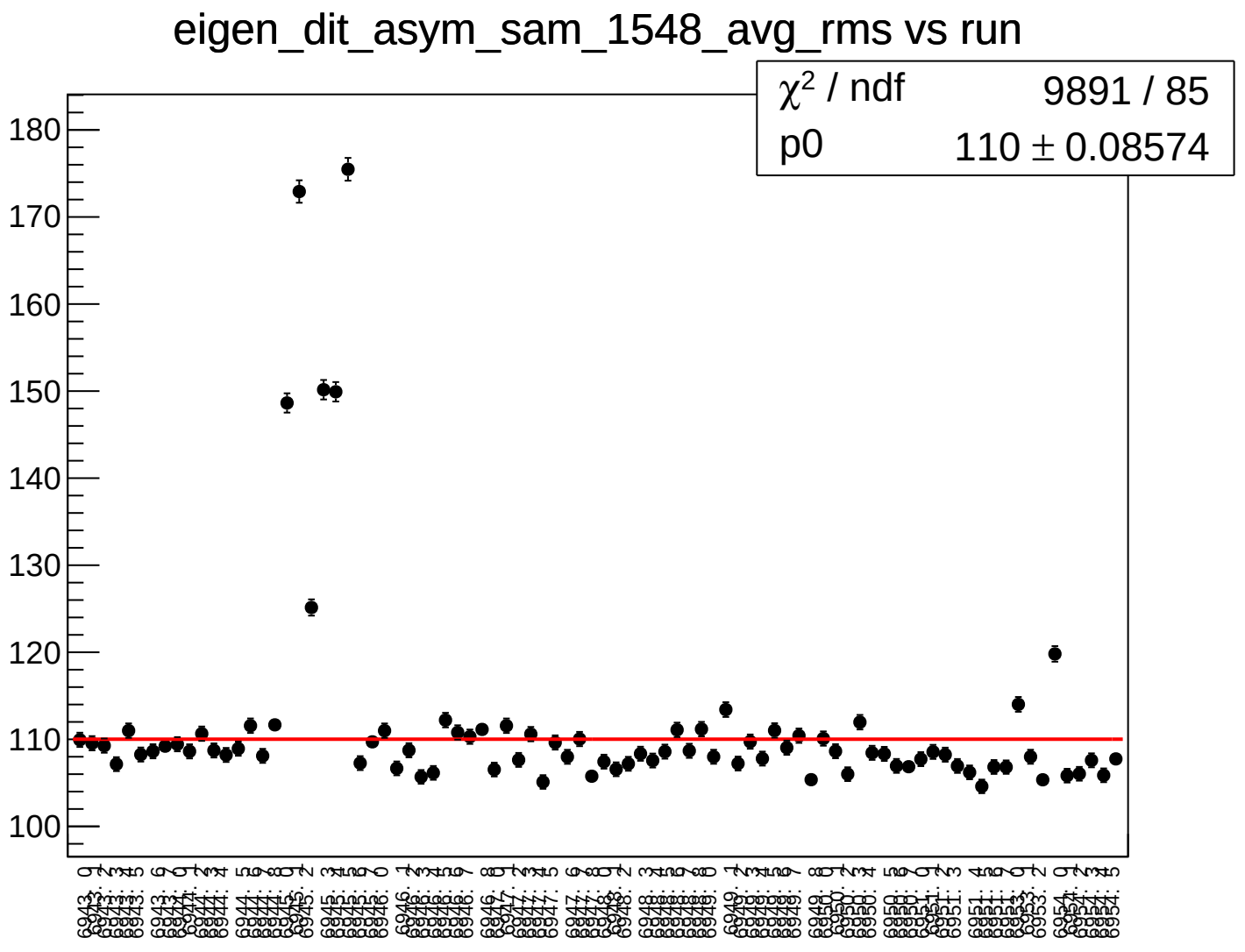

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 84.18 / 85
p0 −2680 ± 941.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 11.75
Std Dev 80.06
2
1
0
−1
−2

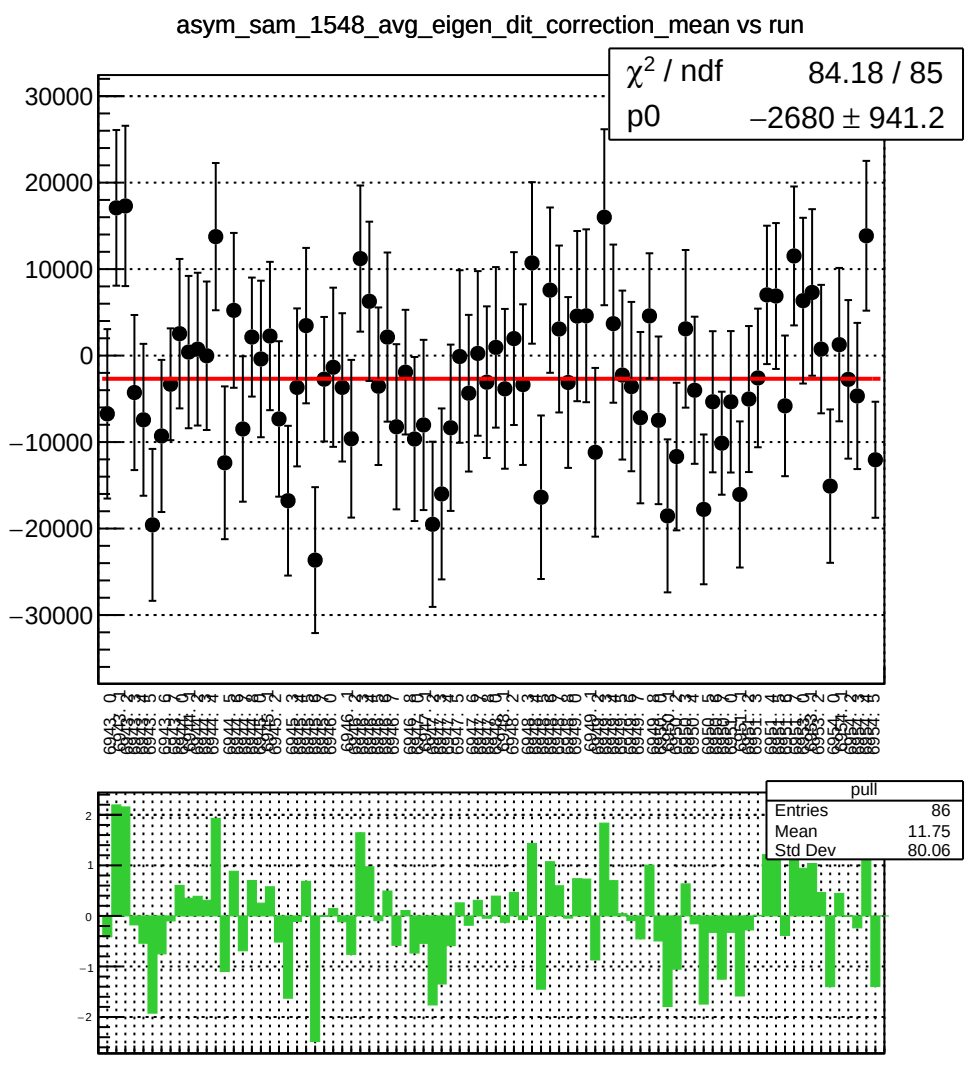

pull1D
Entries 86
Mean 0.009081
Std Dev 0.9893
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

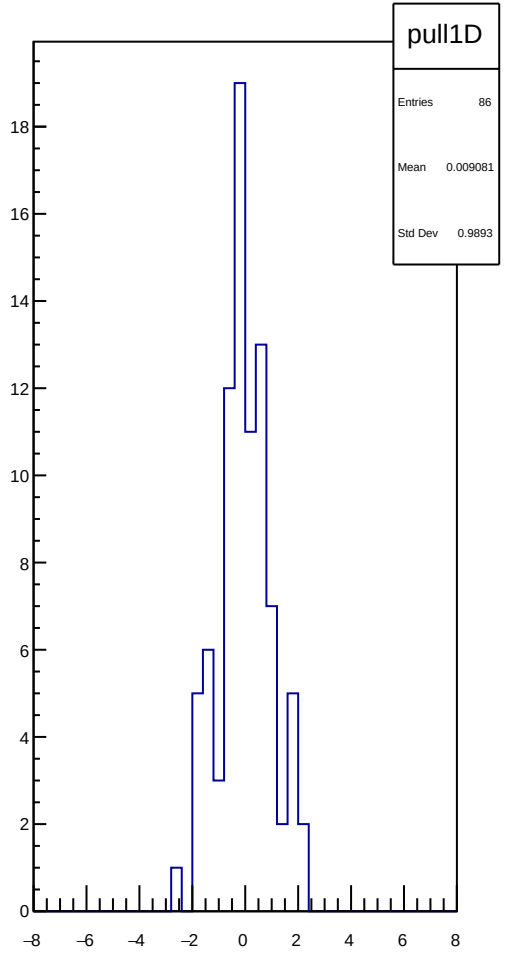

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 6088 / 85
p0 854.9 ± 0.6655
950
900
850
800
750

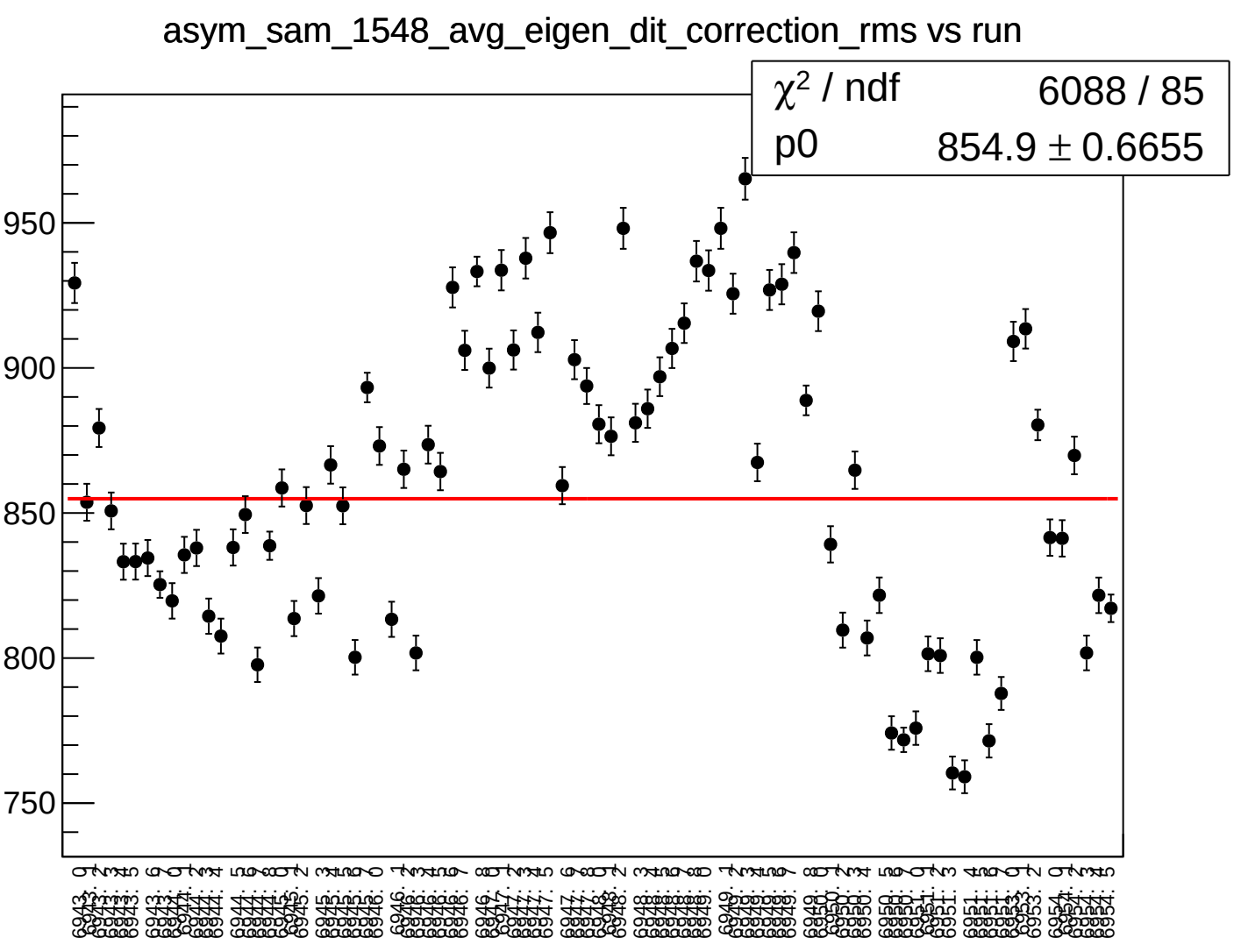

eigen_dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 95.1 / 85
p0 17.23 ± 121.3
pull
Entries 86
Mean −4678
Std Dev 0

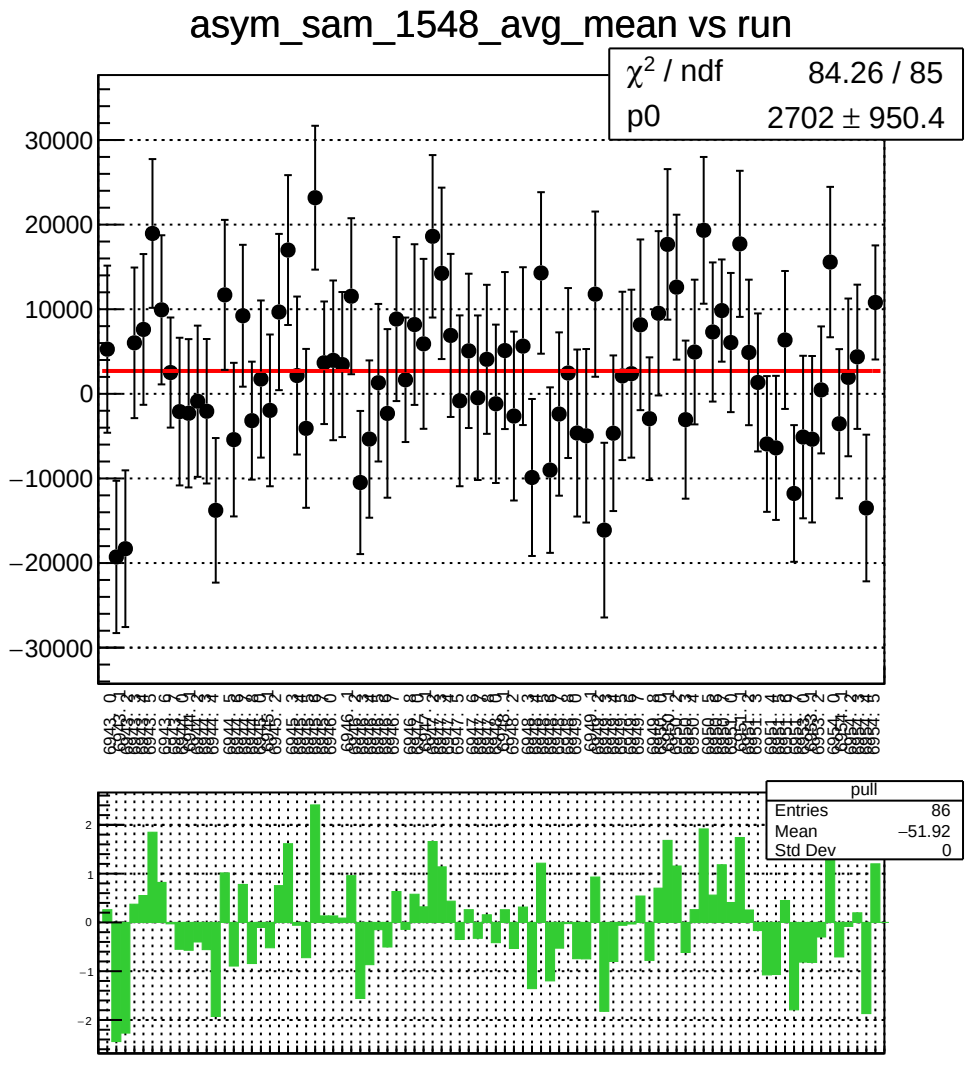

pull1D
Entries 86
Mean −0.0009869
Std Dev 1.052

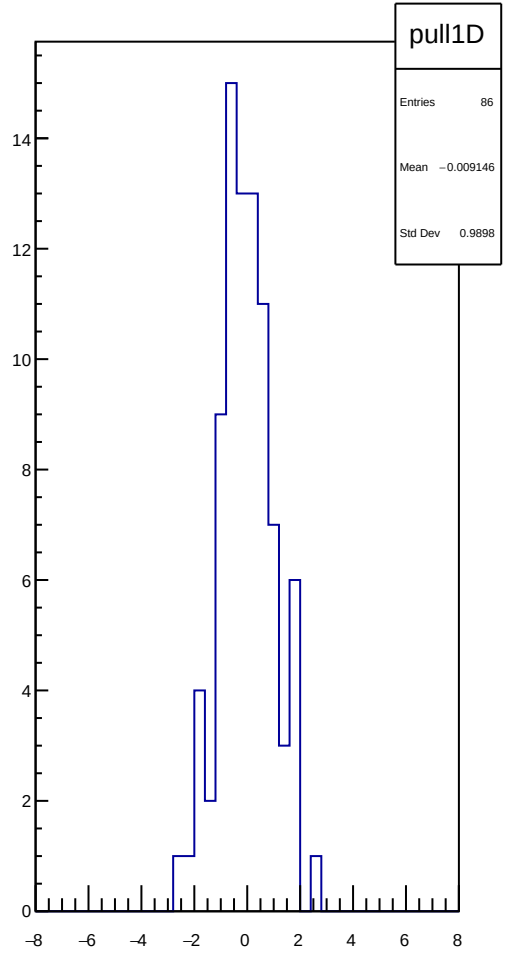

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 9891 / 85
p0 110 ± 0.08574
180
170
160
150
140
130
120
110
100

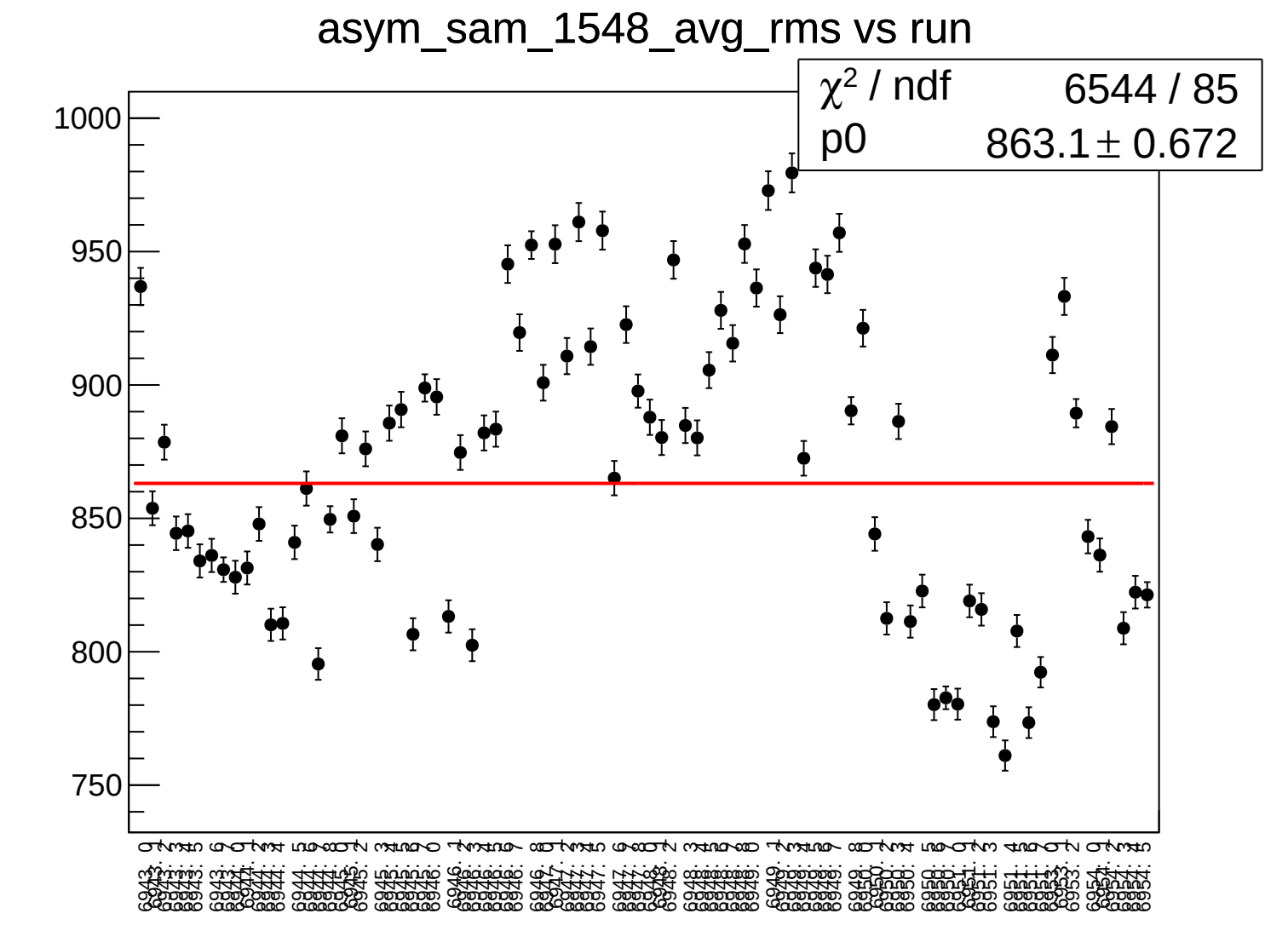

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.18 / 85
p0 −2680 ± 941.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 11.75
Std Dev 80.06
2
1
0
−1
−2

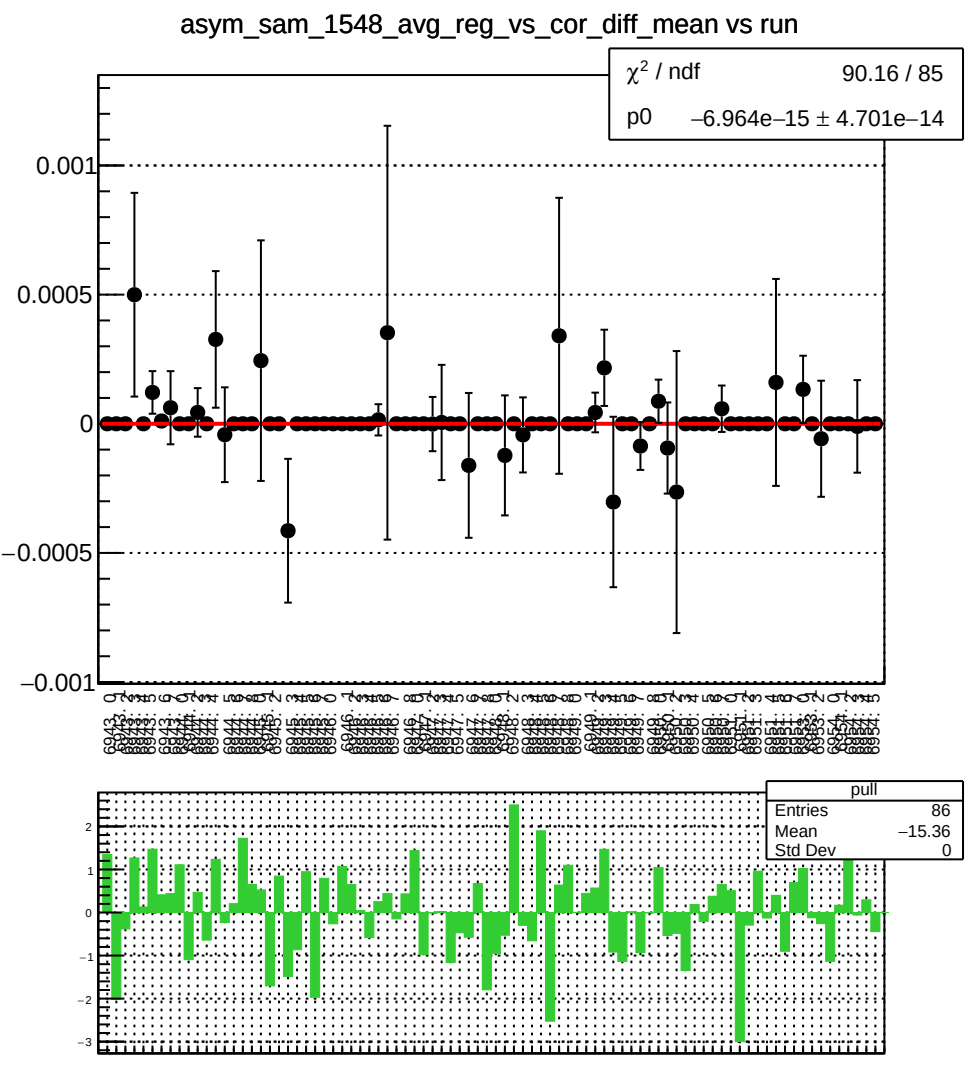

pull1D
Entries 86
Mean 0.009081
Std Dev 0.9893
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

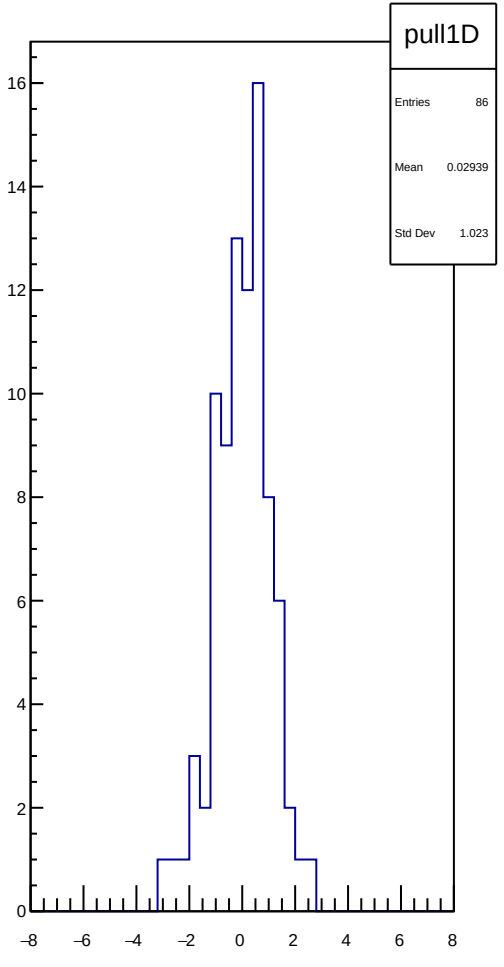

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 6088 / 85
p0 854.9 ± 0.6655
950
900
850
800
750

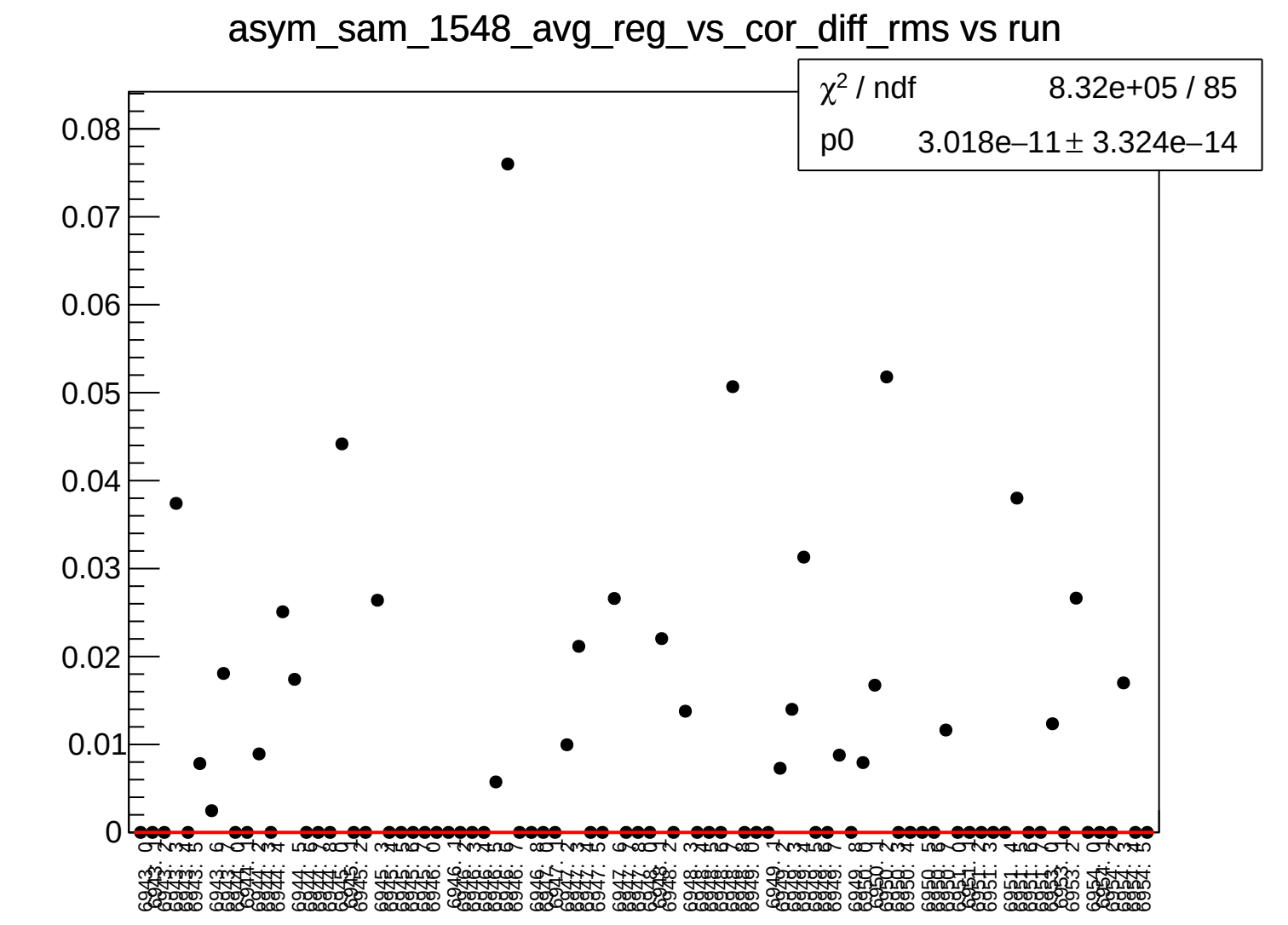

asym_sam_1548_avg_mean vs run
χ² / ndf 84.26 / 85
p0 2702 ± 950.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −51.92
Std Dev 0
2
1
0
−1
−2

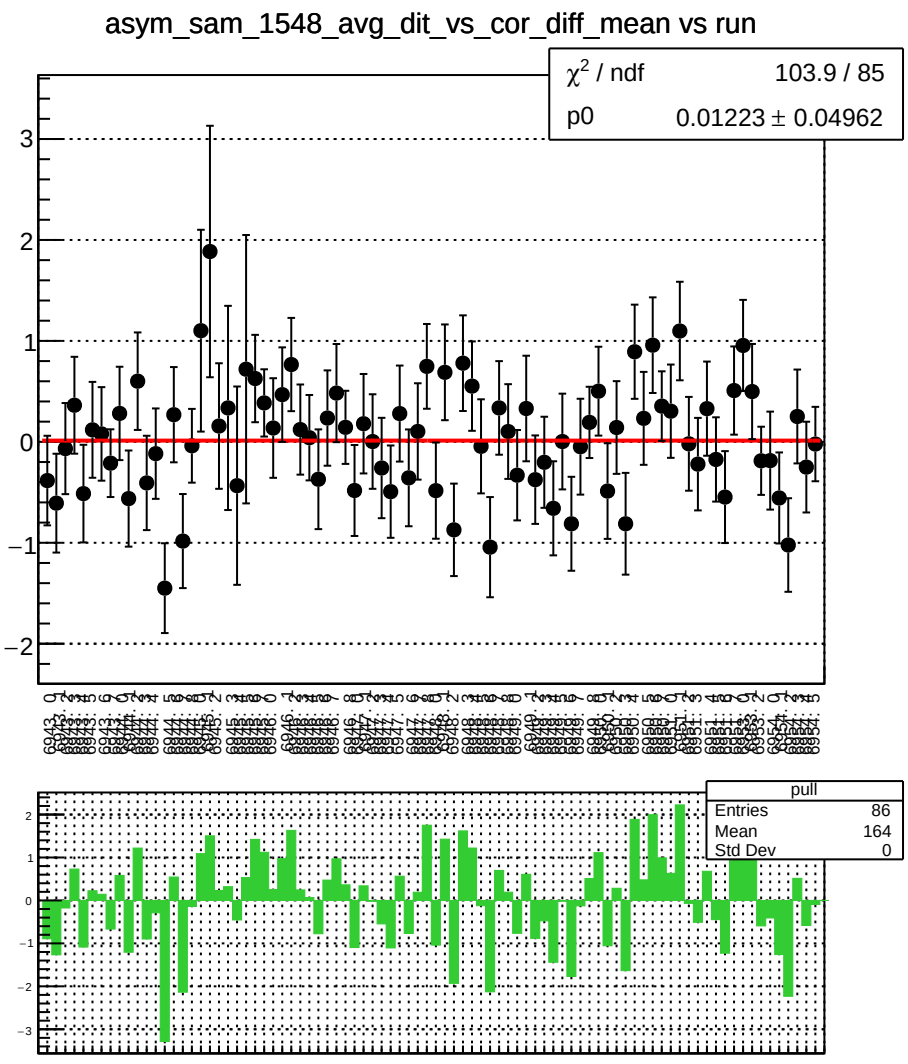

pull1D
Entries 86
Mean −0.009146
Std Dev 0.9898
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

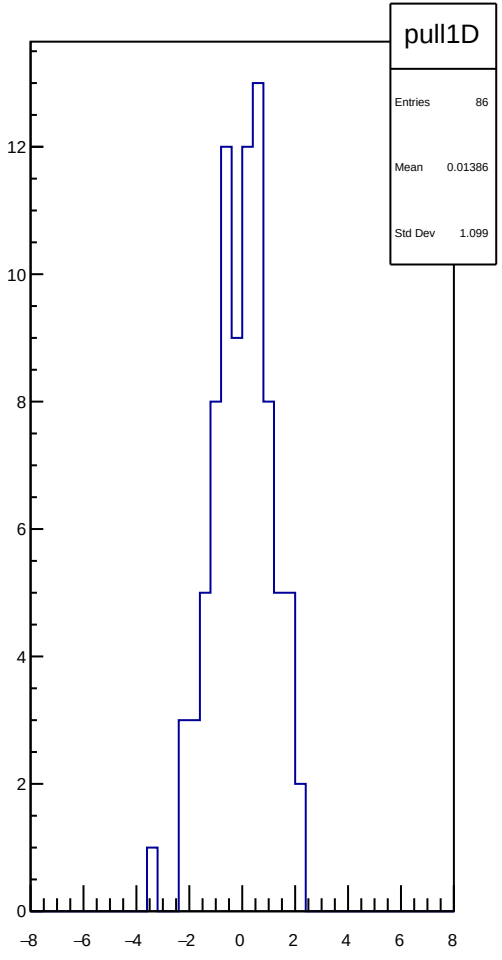

asym_sam_1548_avg_rms vs run
χ² / ndf 6544 / 85
p0 863.1 ± 0.672
1000
950
900
850
800
750

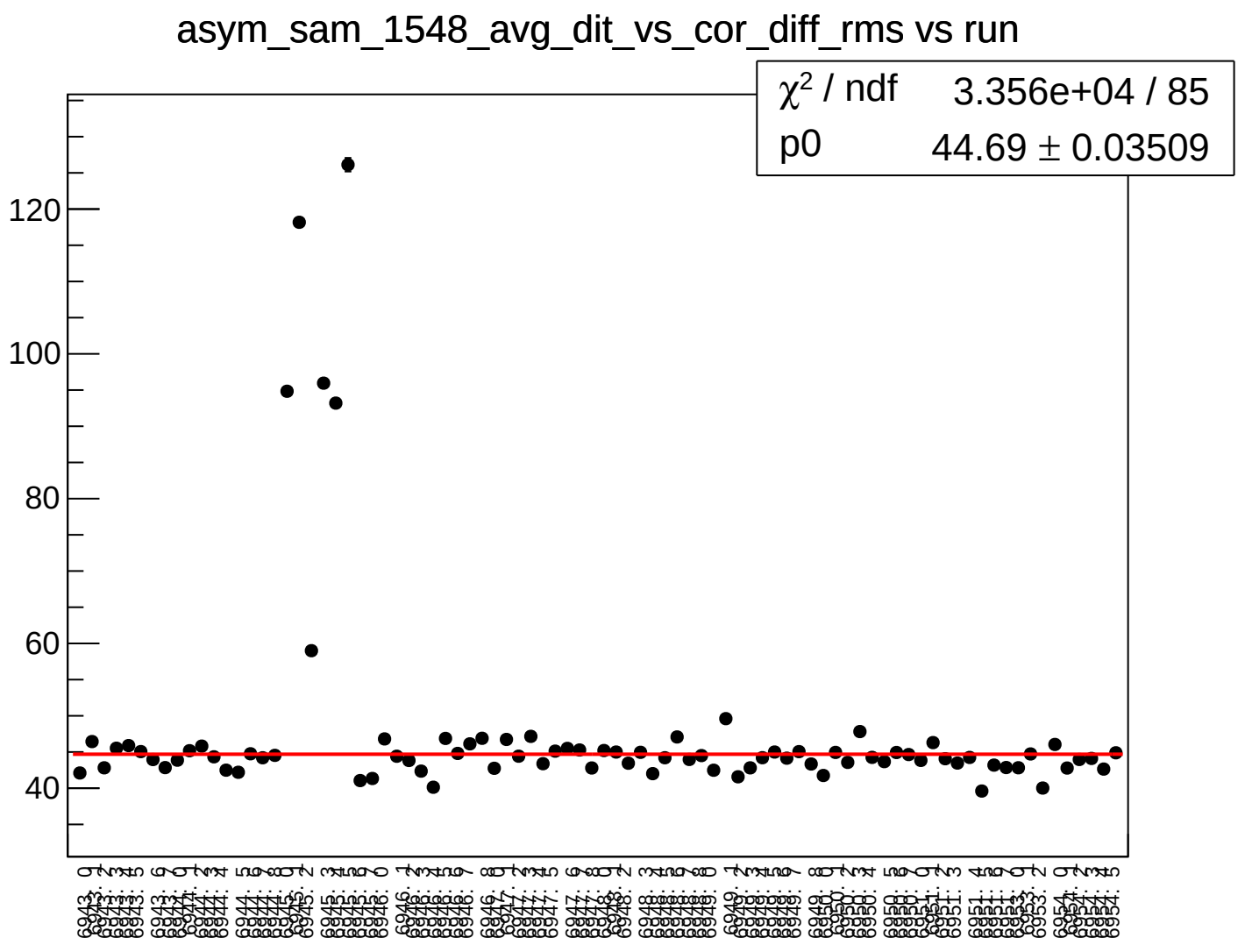

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 90.16 / 85
p0 −6.964e−15 ± 4.701e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean −15.36
Std Dev 0
2
1
0
−1
−2
−3

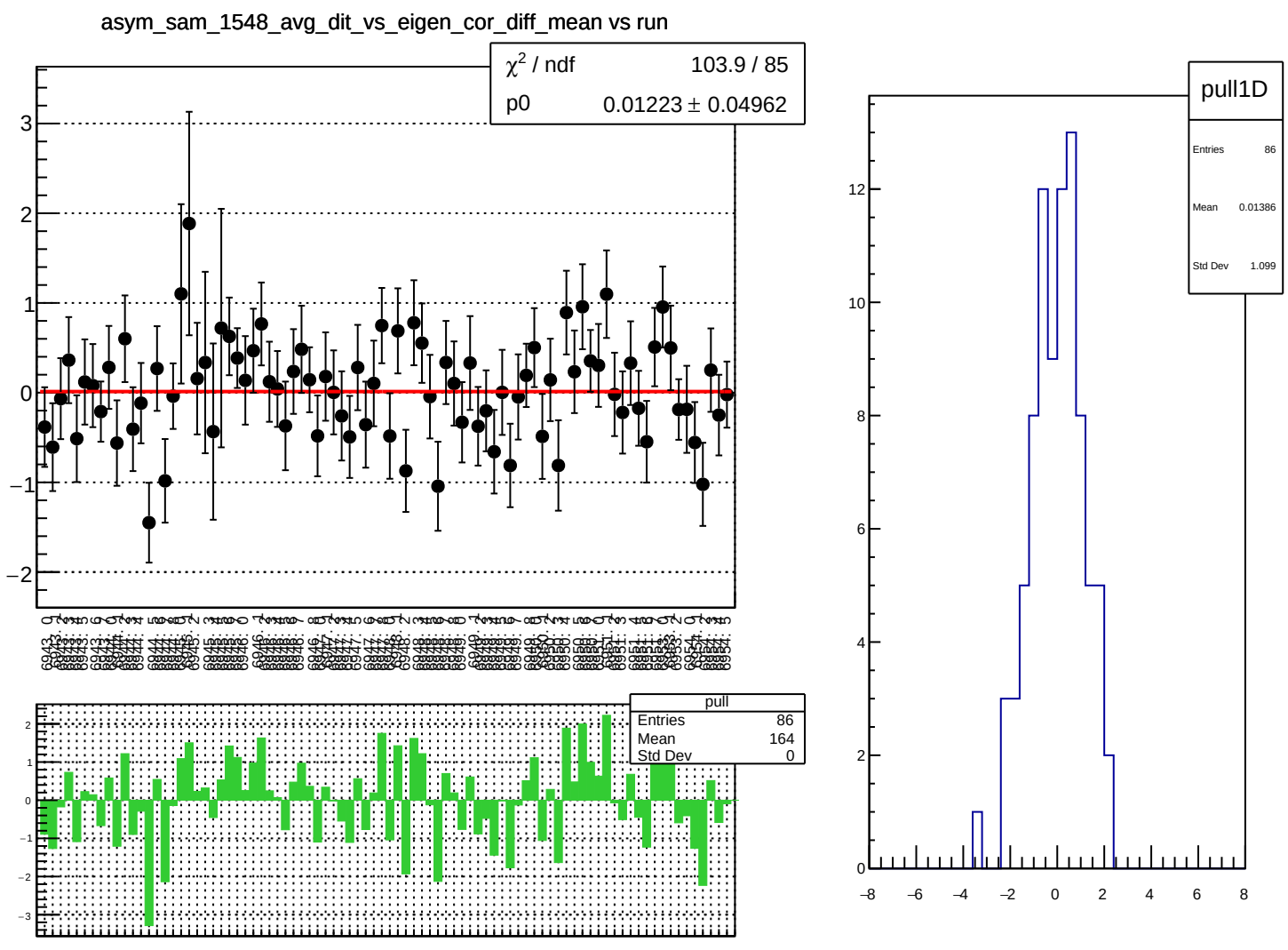

pull1D
Entries 86
Mean 0.02939
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

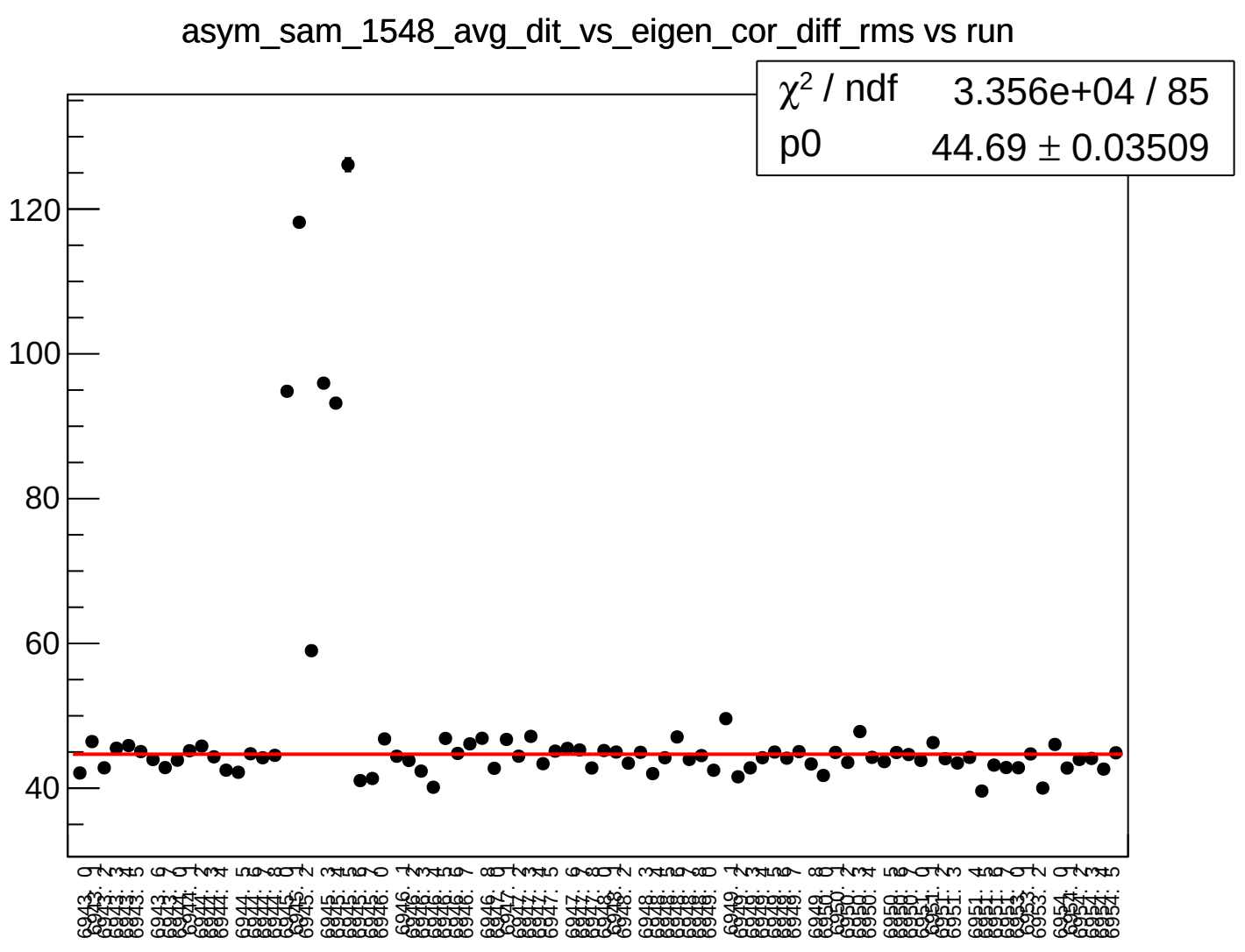

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.32e+05 / 85
p0 3.018e−11 ± 3.324e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

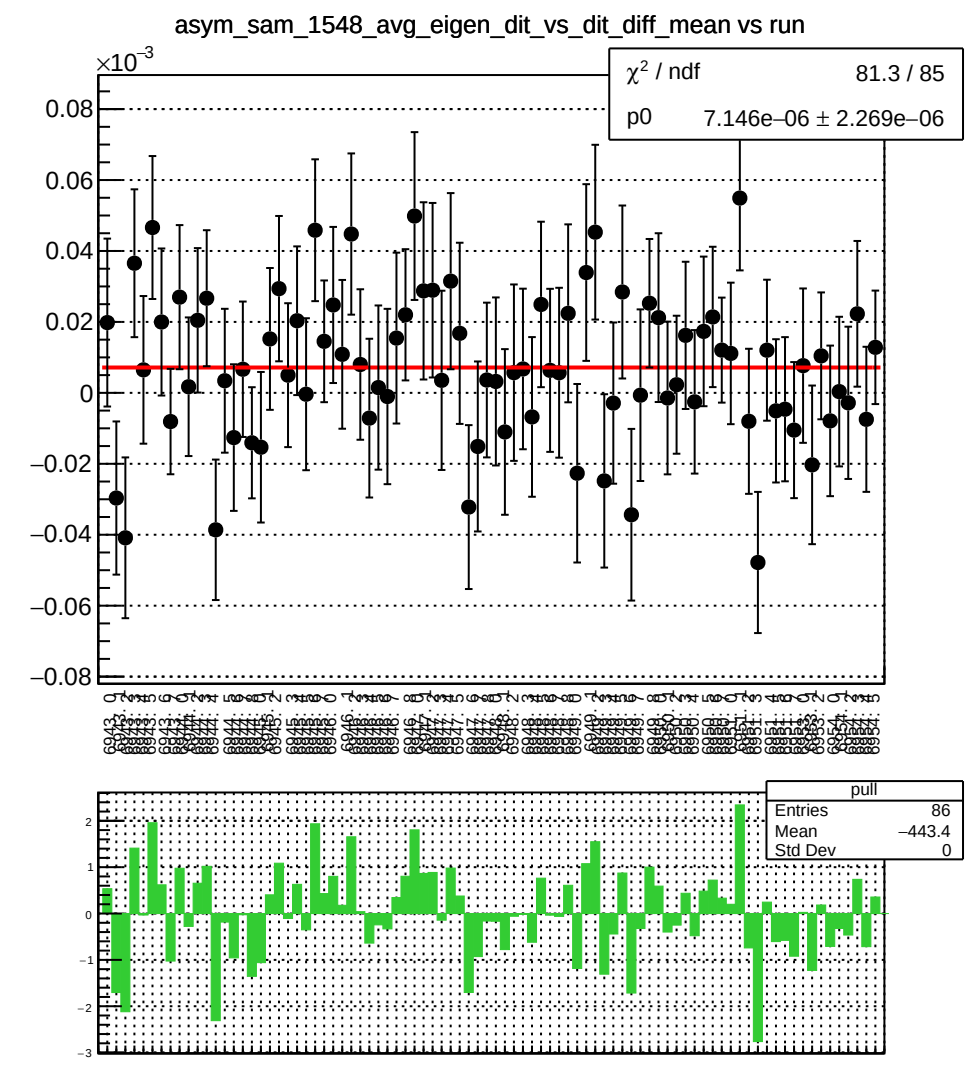

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 103.9 / 85
p0 0.01223 ± 0.04962
pull
Entries 86
Mean 164
Std Dev 0

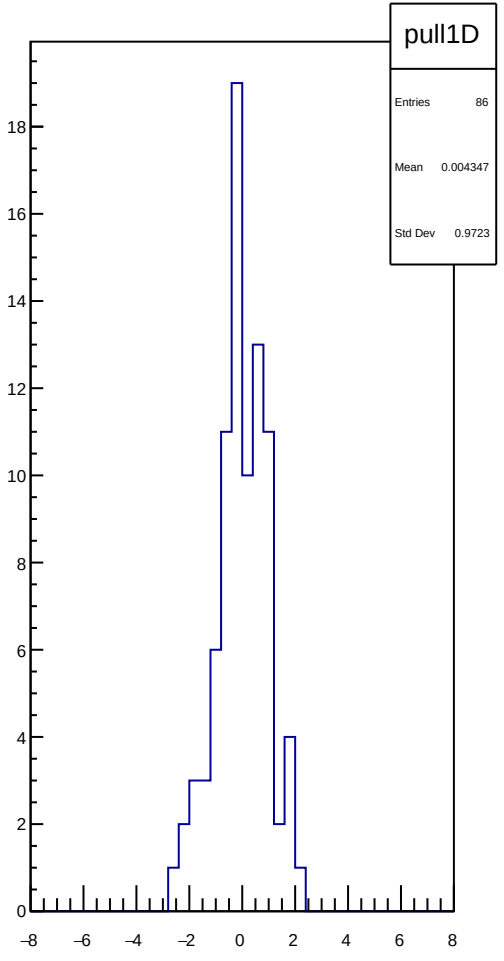

pull1D
Entries 86
Mean 0.01386
Std Dev 1.099

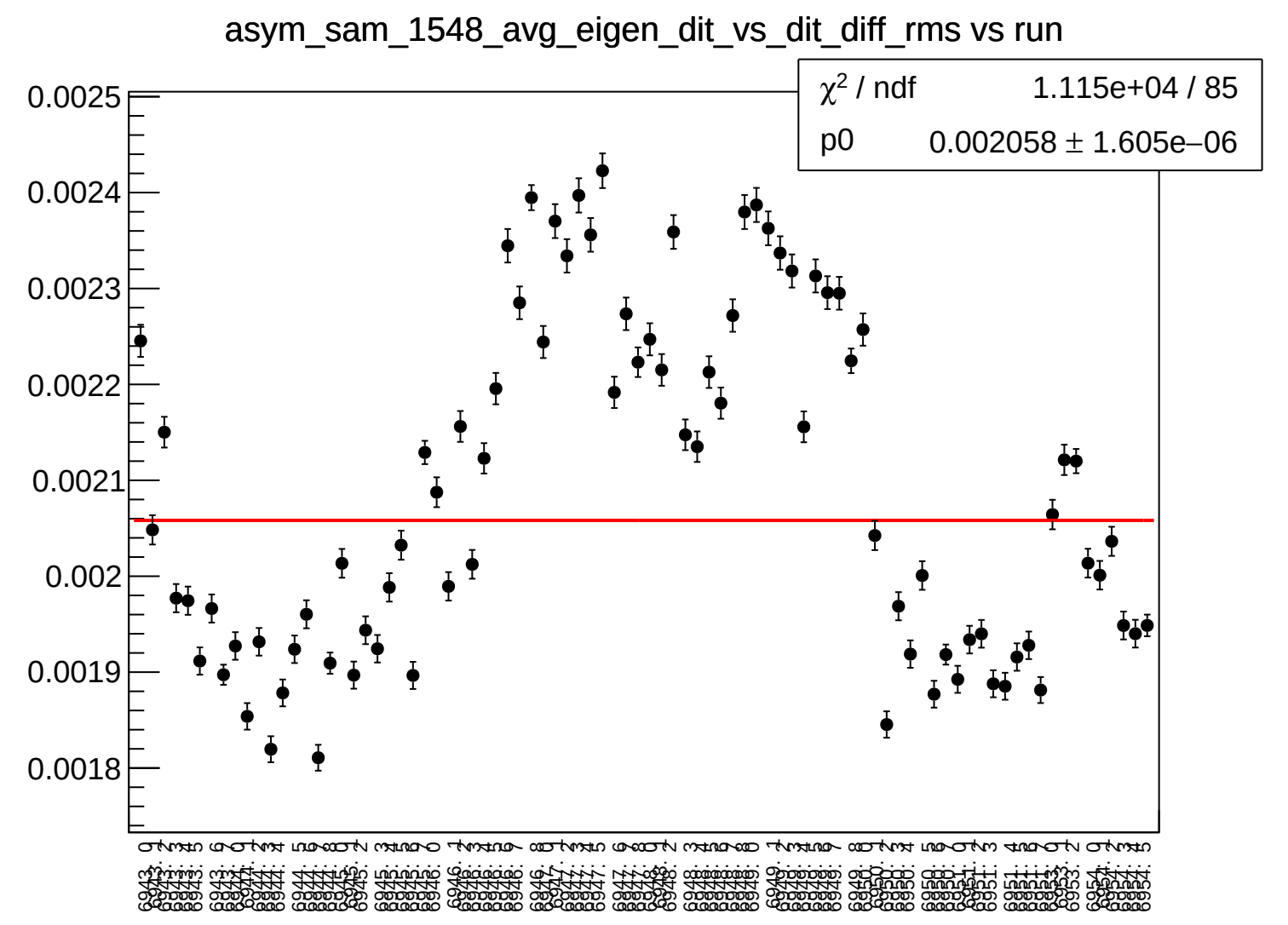

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.356e+04 / 85
p0 44.69 ± 0.03509
120
100
80
60
40

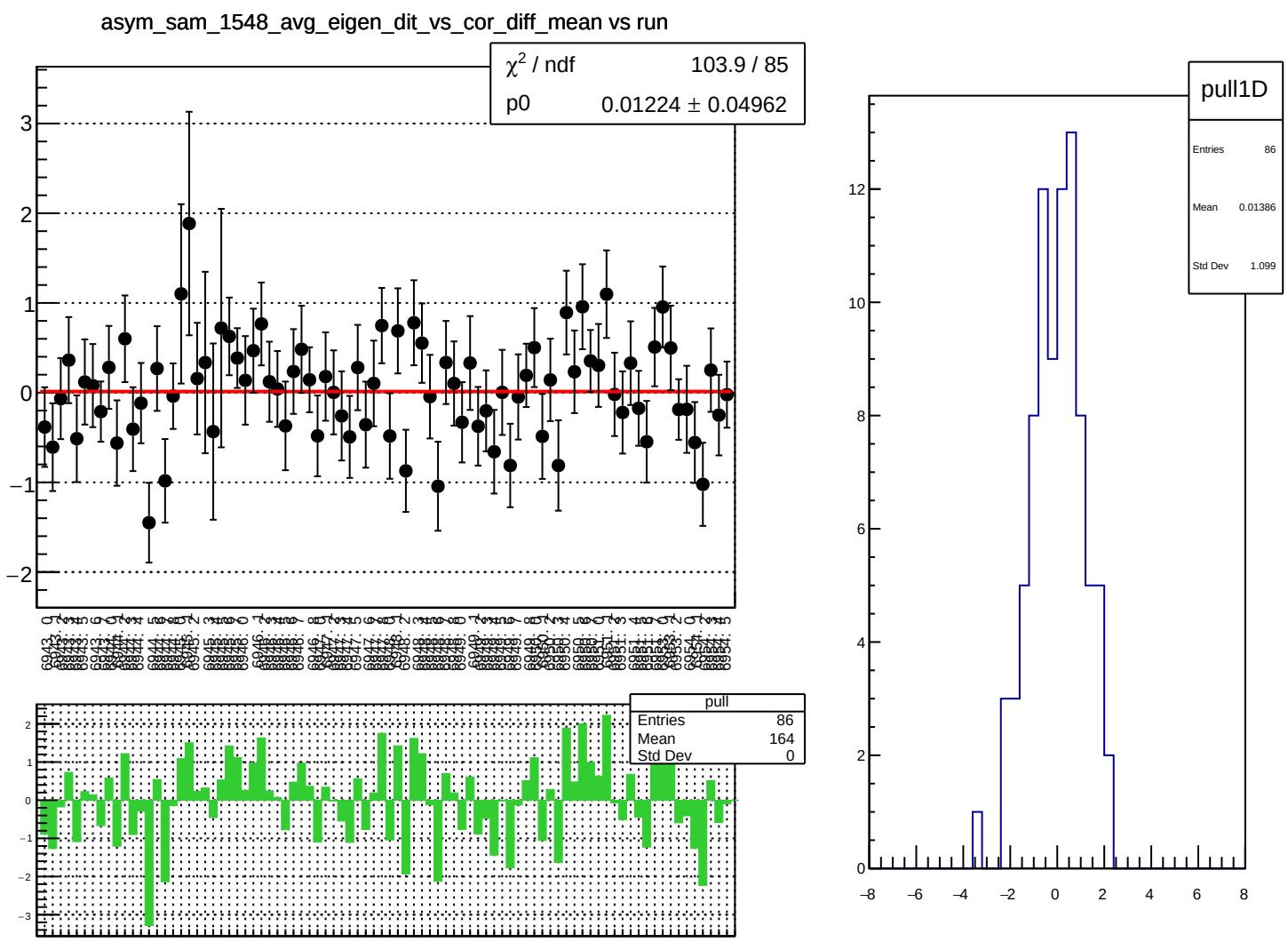

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.9 / 85
p0 0.01223 ± 0.04962
pull
Entries 86
Mean 164
Std Dev 0
pull1D
Entries 86
Mean 0.01386
Std Dev 1.099

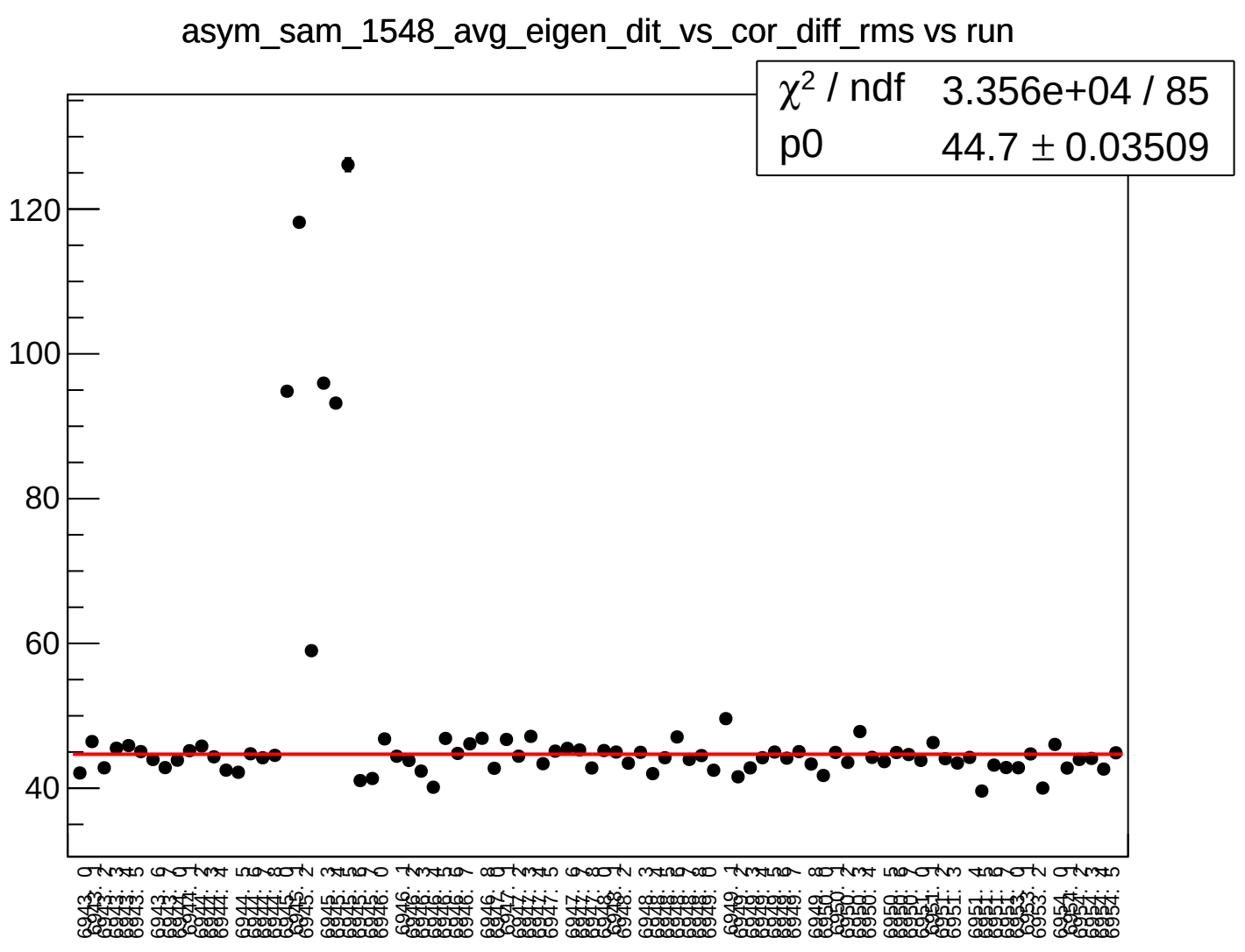

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.356e+04 / 85
p0 44.69 ± 0.03509
120
100
80
60
40

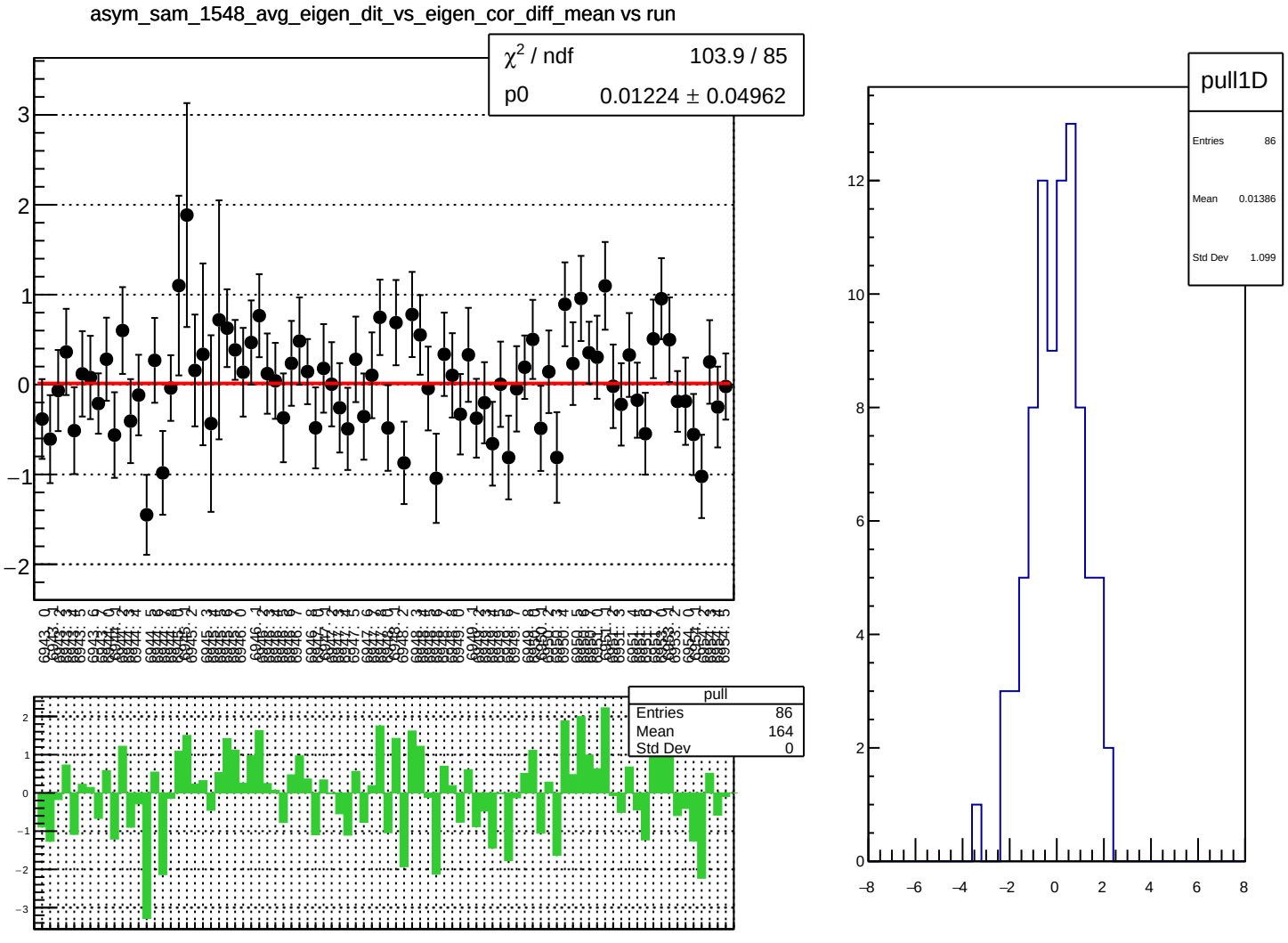

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.3 / 85
p0 7.146e−06 ± 2.269e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 86
Mean −443.4
Std Dev 0
2
1
0
−1
−2
−3

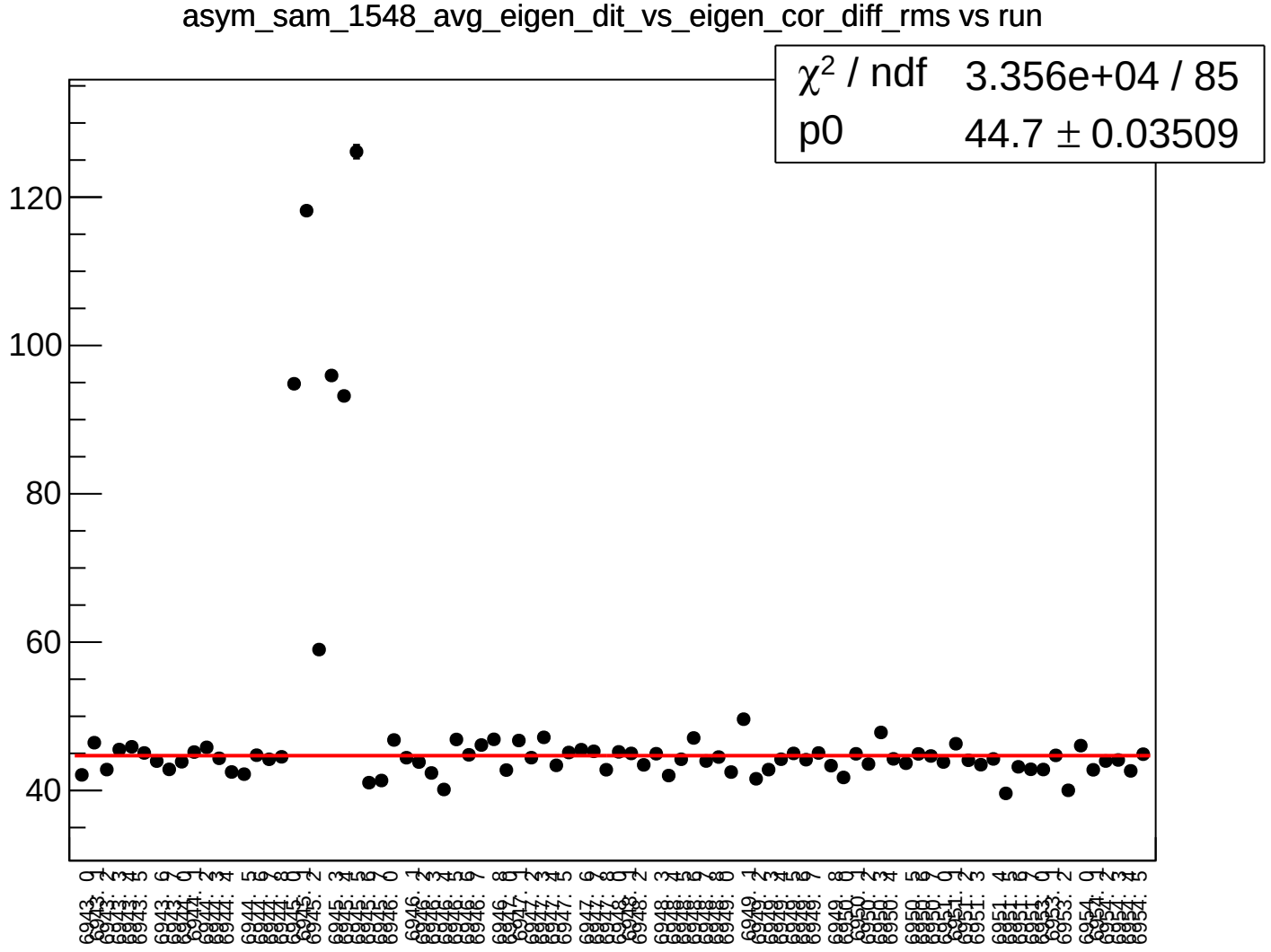

pull1D
Entries 86
Mean 0.004347
Std Dev 0.9723
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

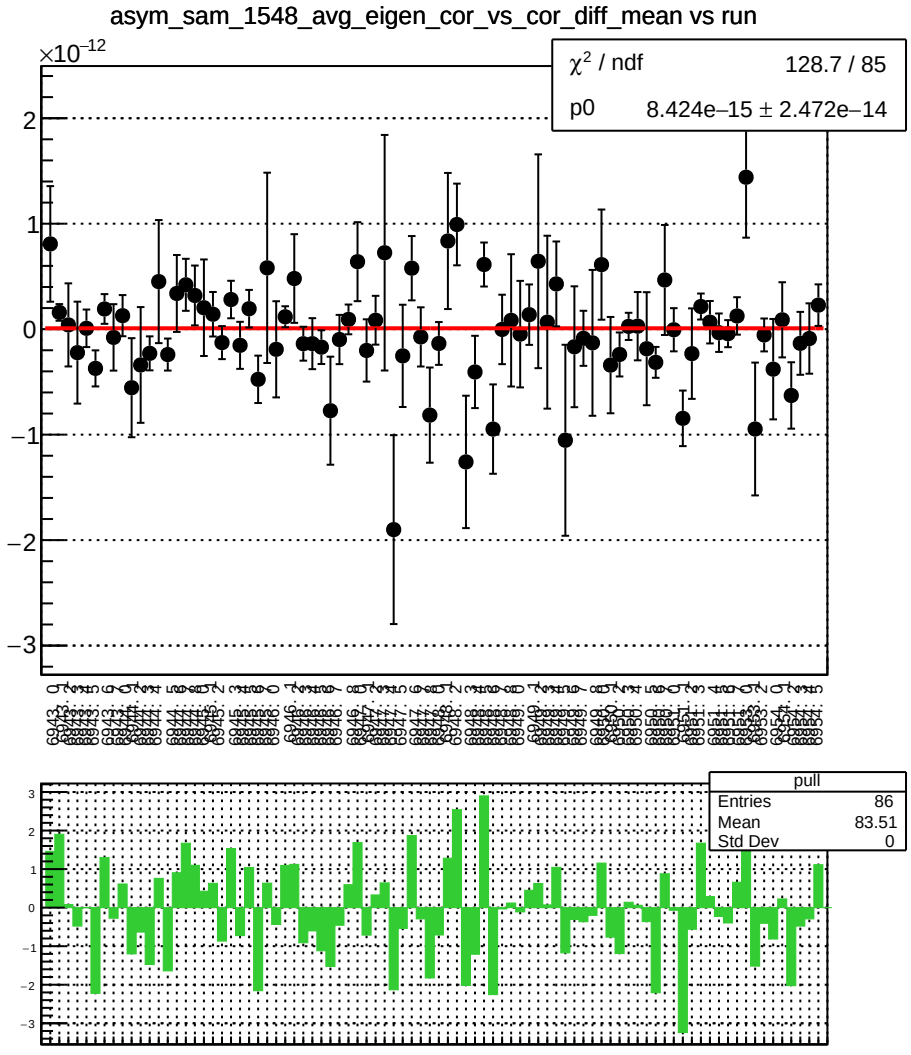

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.115e+04 / 85
p0 0.002058 ± 1.605e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

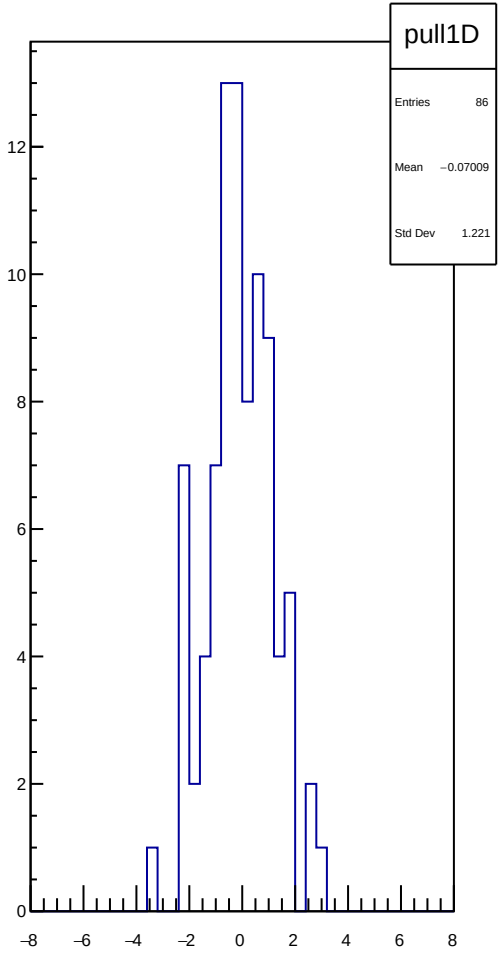

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 103.9 / 85
p0 0.01224 ± 0.04962
pull
Entries 86
Mean 164
Std Dev 0
pull1D
Entries 86
Mean 0.01386
Std Dev 1.099

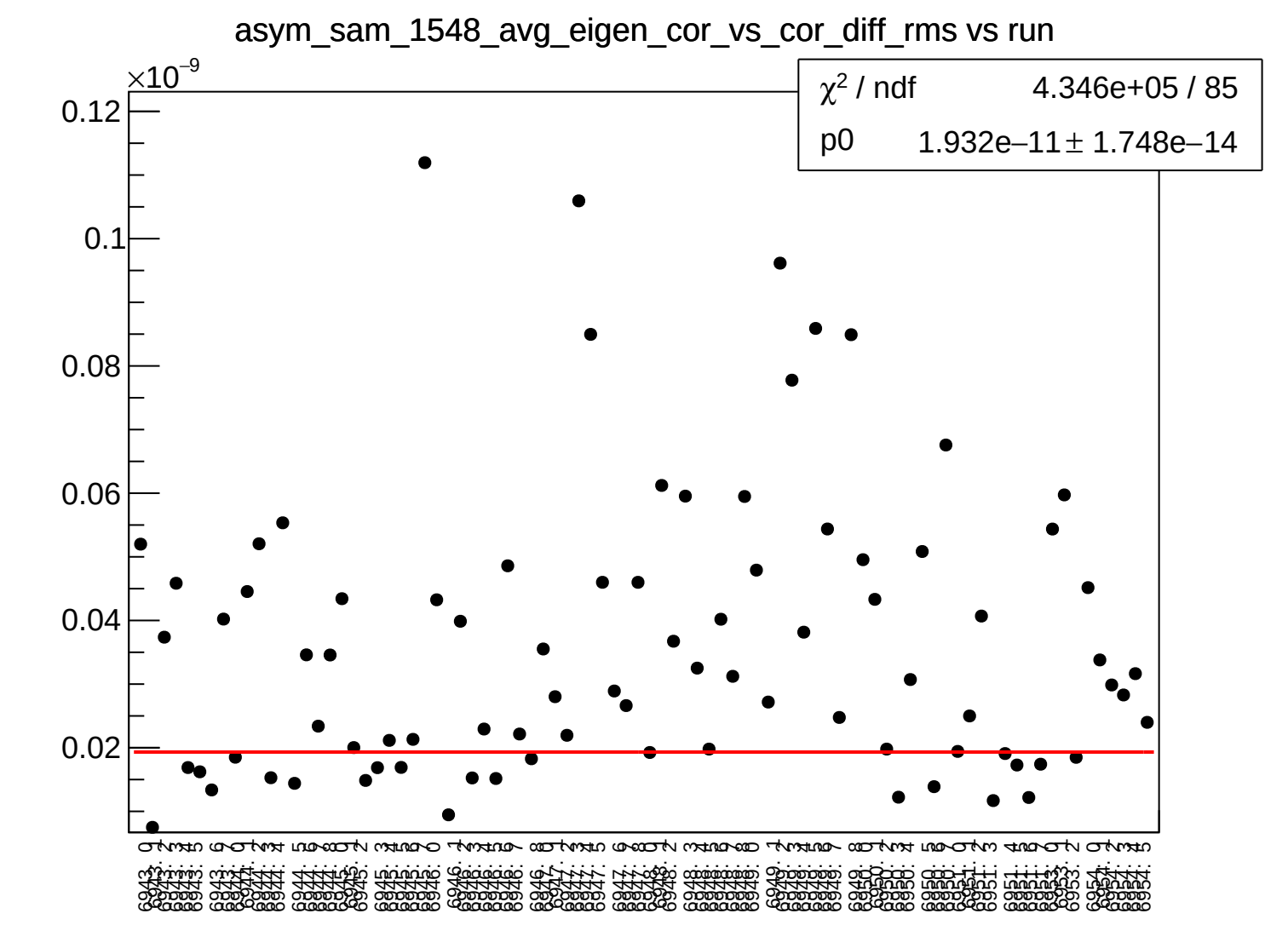

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.356e+04 / 85
p0 44.7 ± 0.03509
120
100
80
60
40

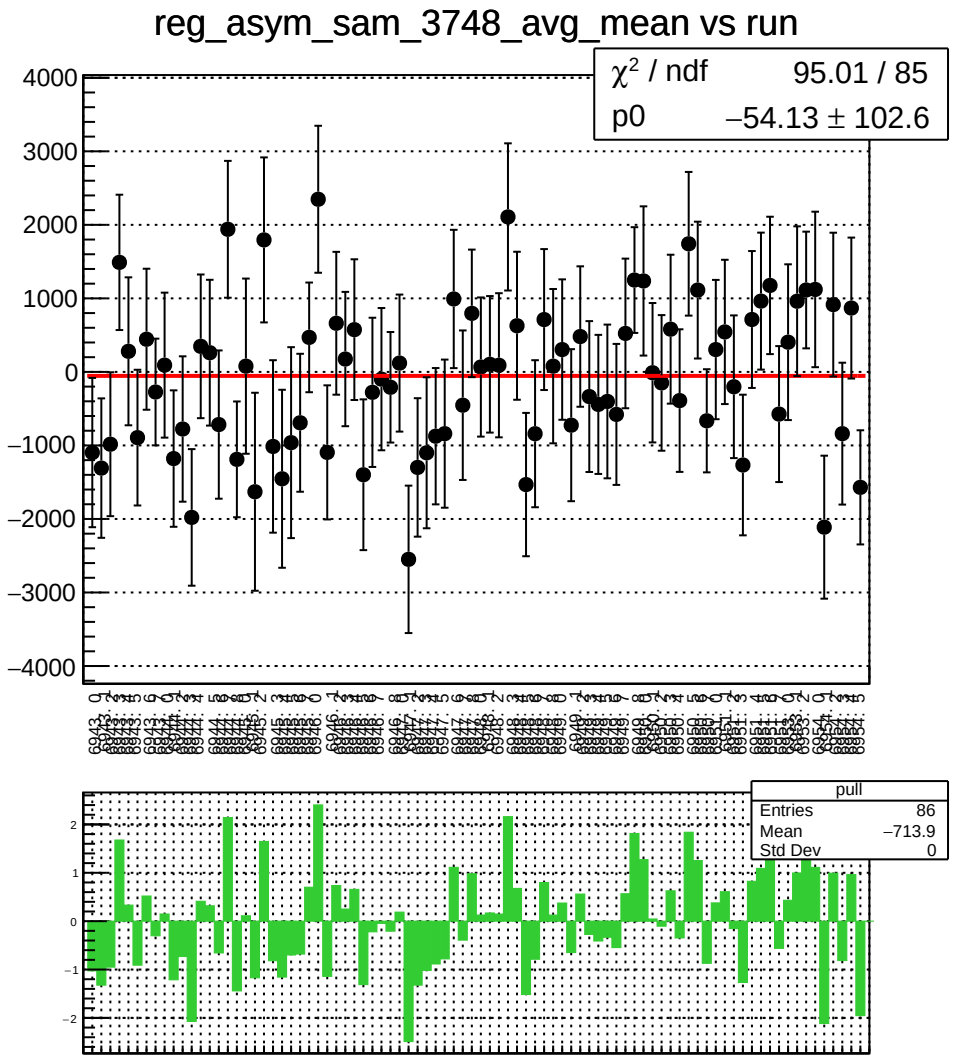

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.9 / 85
p0 0.01224 ± 0.04962
pull
Entries 86
Mean 164
Std Dev 0
pull1D
Entries 86
Mean 0.01386
Std Dev 1.099

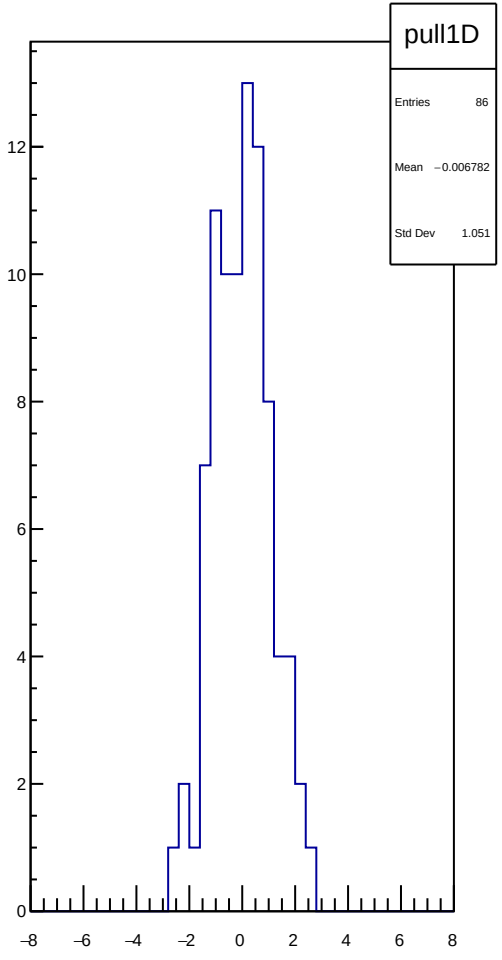

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.356e+04 / 85
p0 44.7 ± 0.03509
120
100
80
60
40

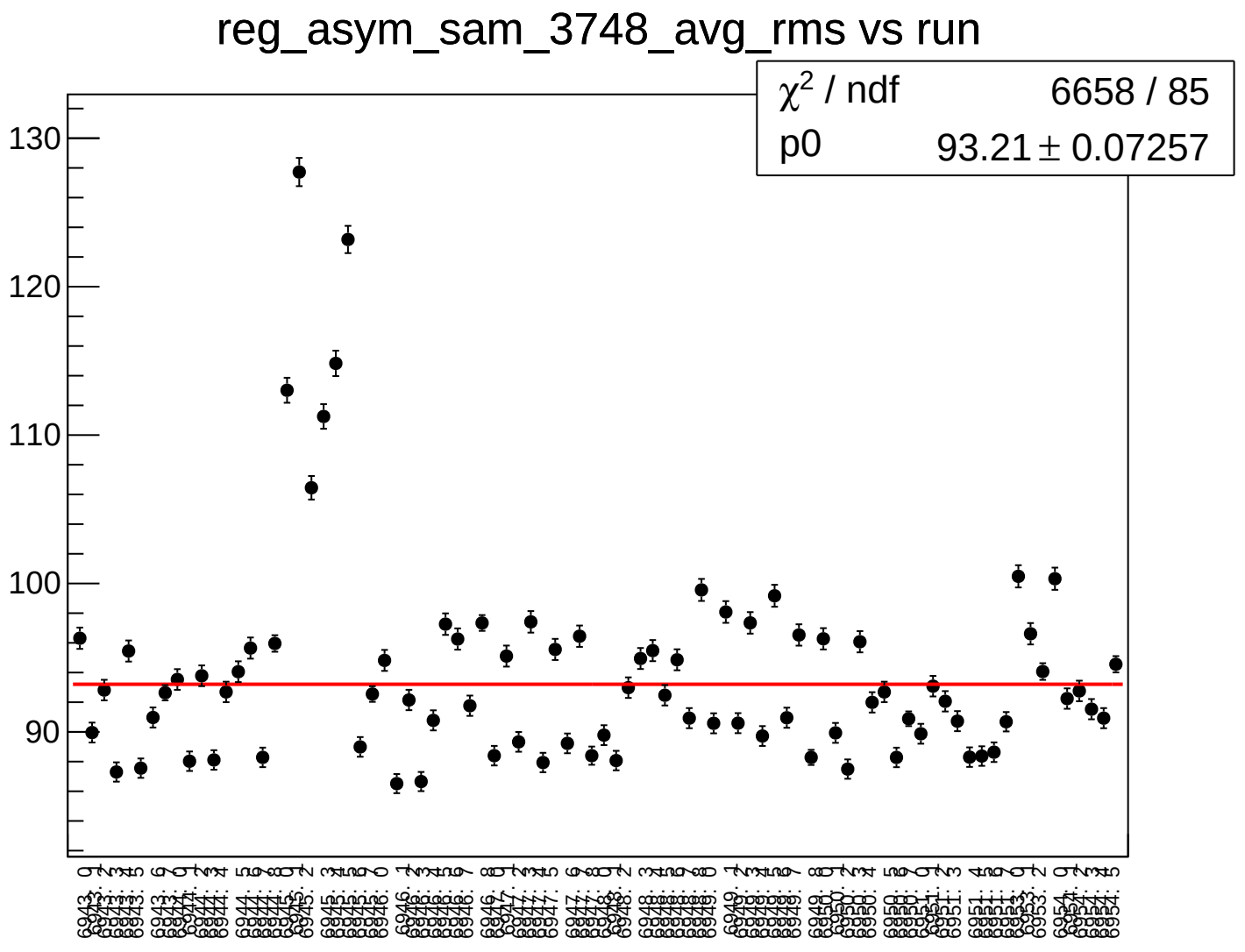

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 128.7 / 85
p0 8.424e−15 ± 2.472e−14
pull
Entries 86
Mean 83.51
Std Dev 0

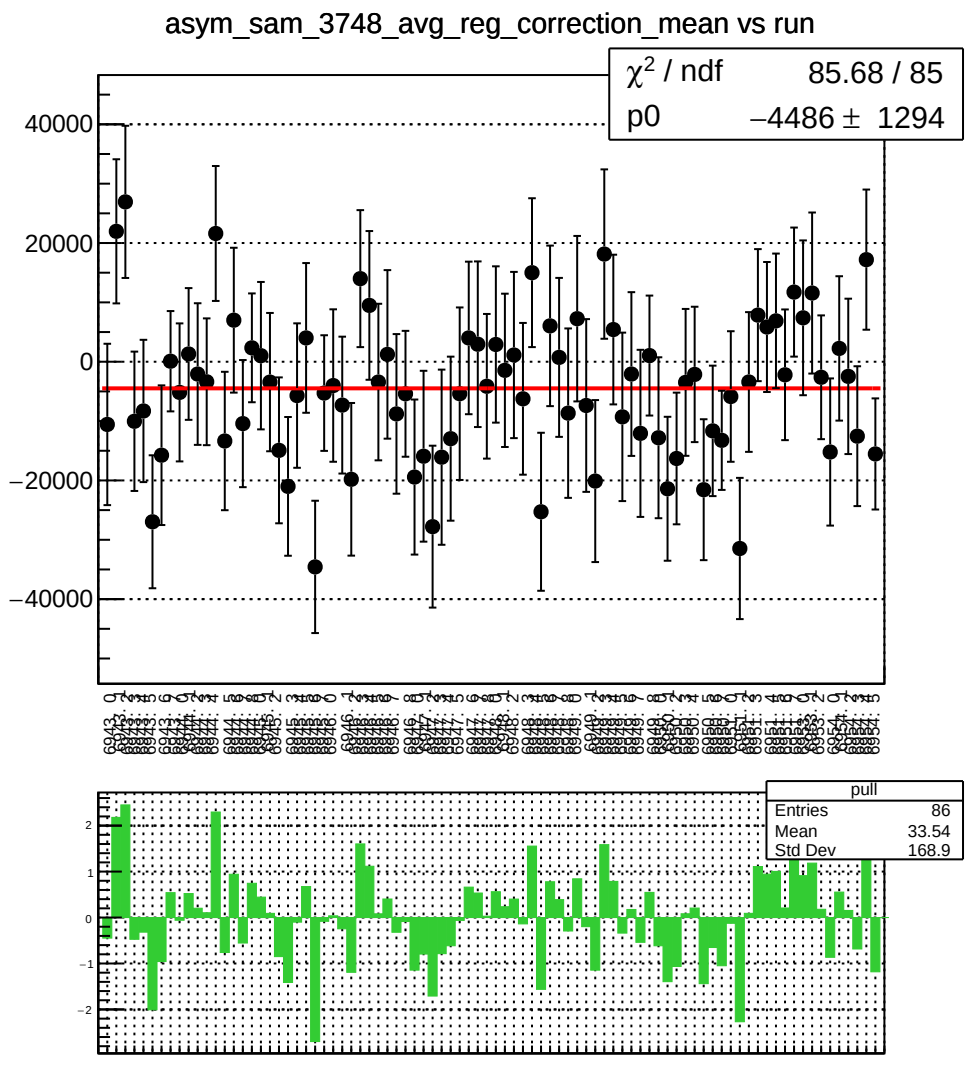

pull1D
Entries 86
Mean −0.07009
Std Dev 1.221

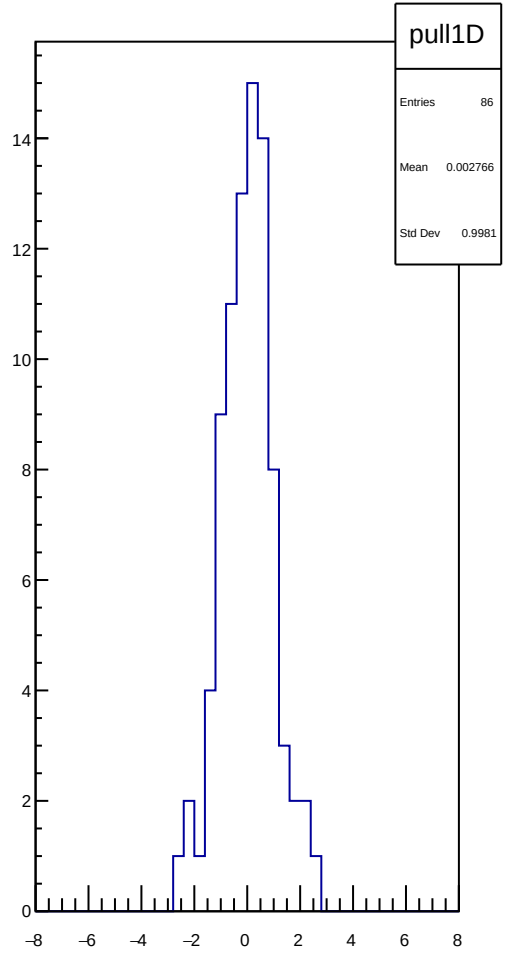

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.346e+05 / 85
p0 1.932e−11 ± 1.748e−14
0.12
0.1
0.08
0.06
0.04
0.02

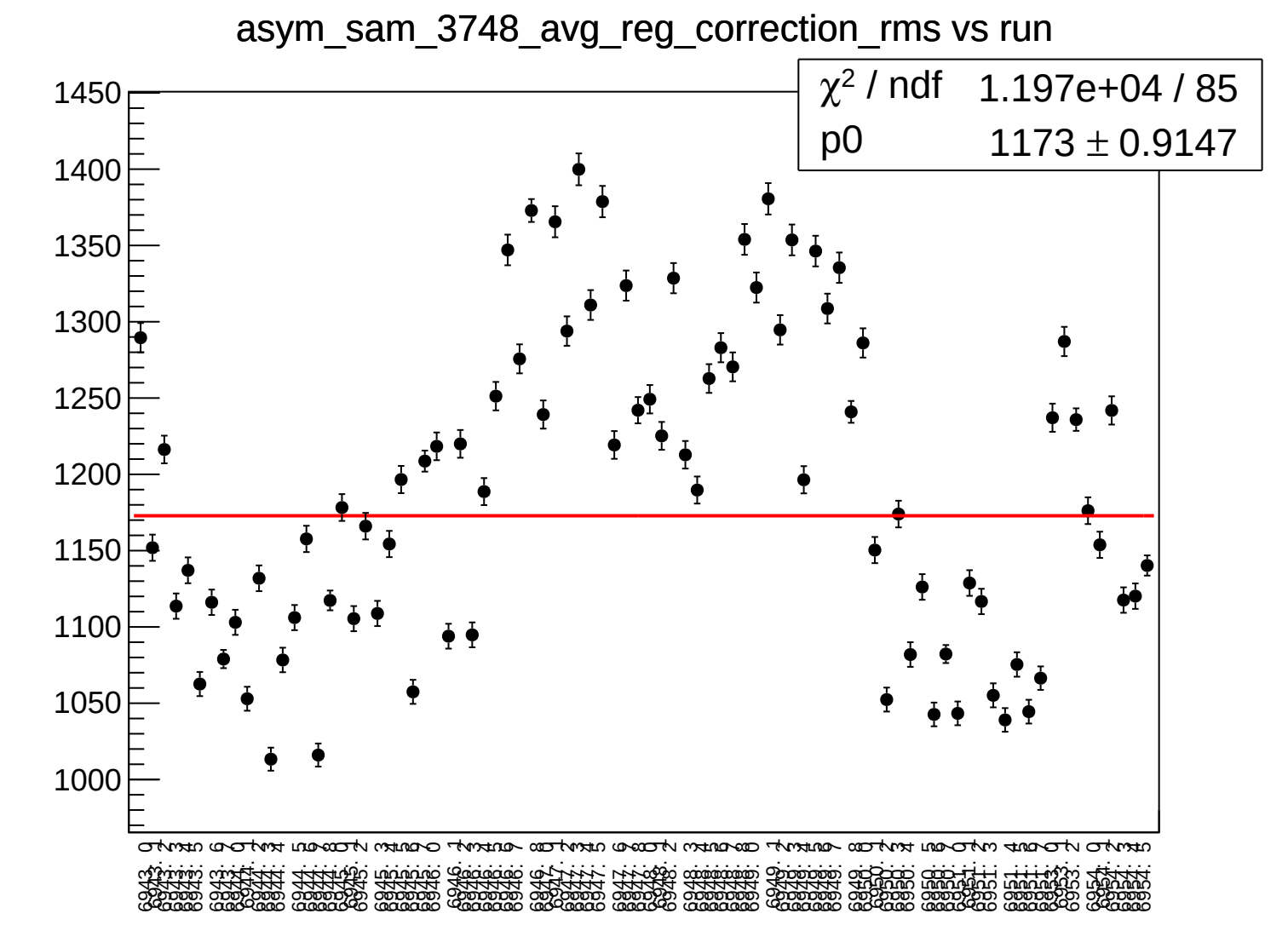

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 95.01 / 85
p0 −54.13 ± 102.6
pull
Entries 86
Mean −713.9
Std Dev 0

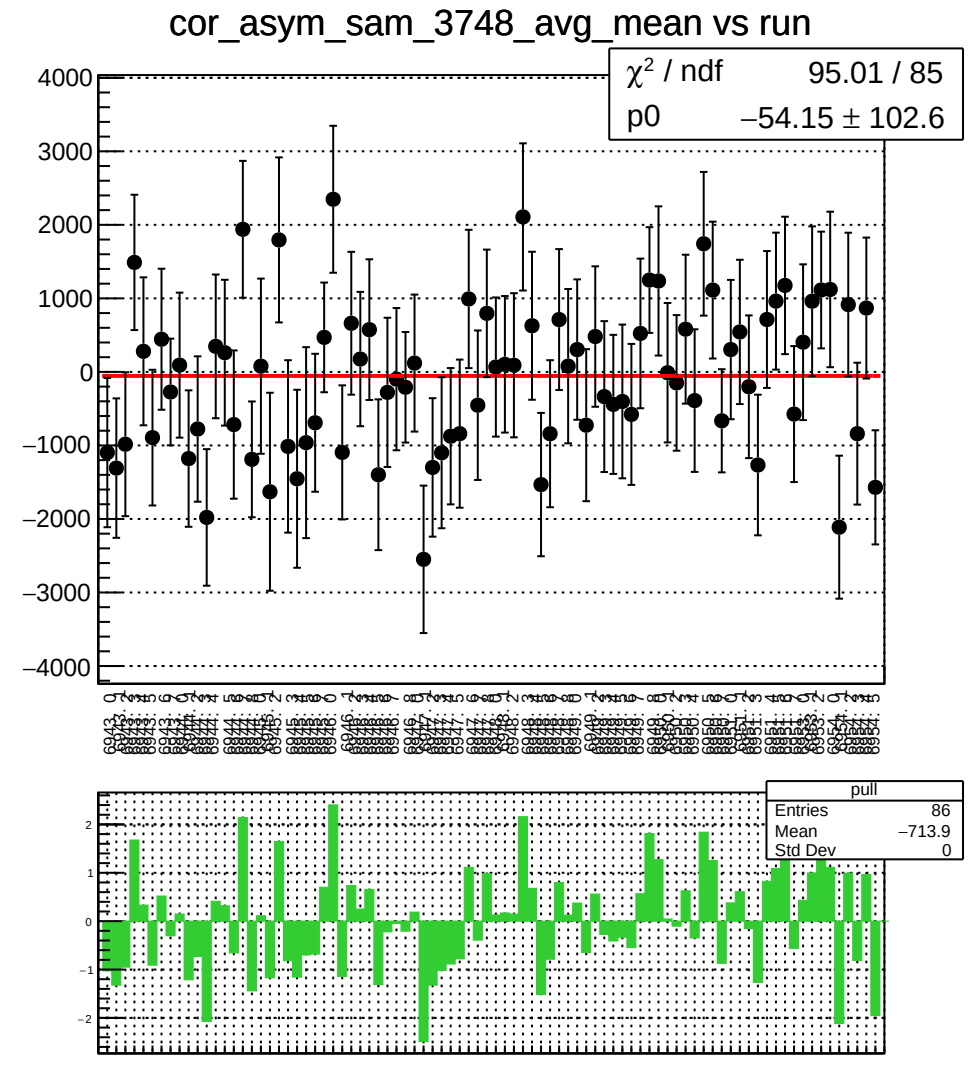

pull1D
Entries 86
Mean −0.006782
Std Dev 1.051

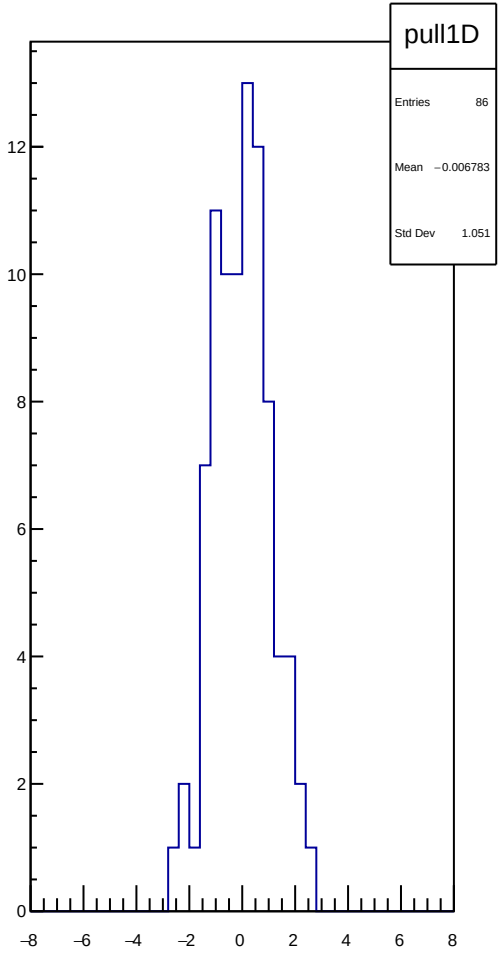

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6658 / 85
p0 93.21 ± 0.07257
130
120
110
100
90


asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 85.68 / 85
p0 −4486 ± 1294
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 33.54
Std Dev 168.9
2
1
0
−1
−2

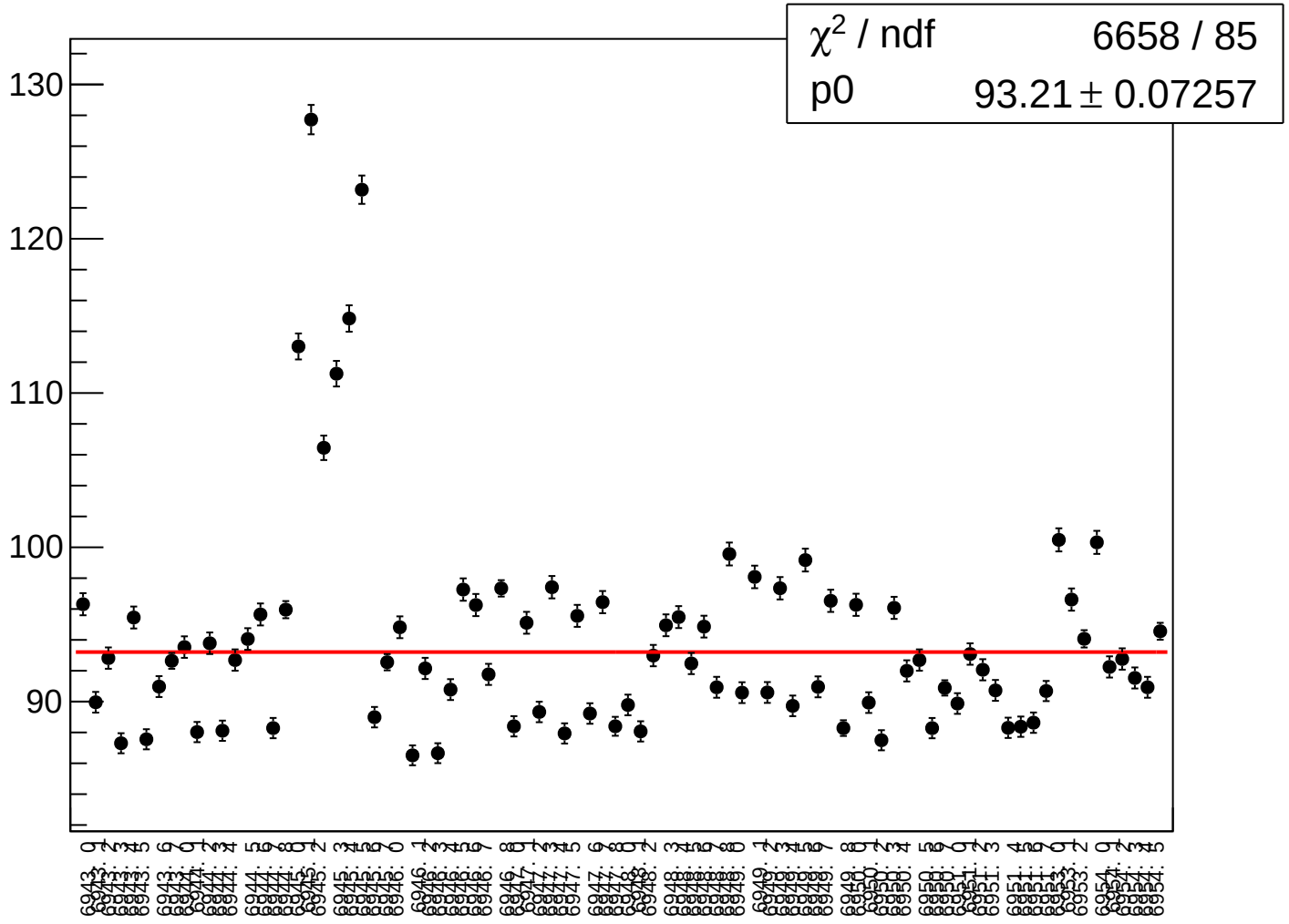

pull1D
Entries 86
Mean 0.002766
Std Dev 0.9981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

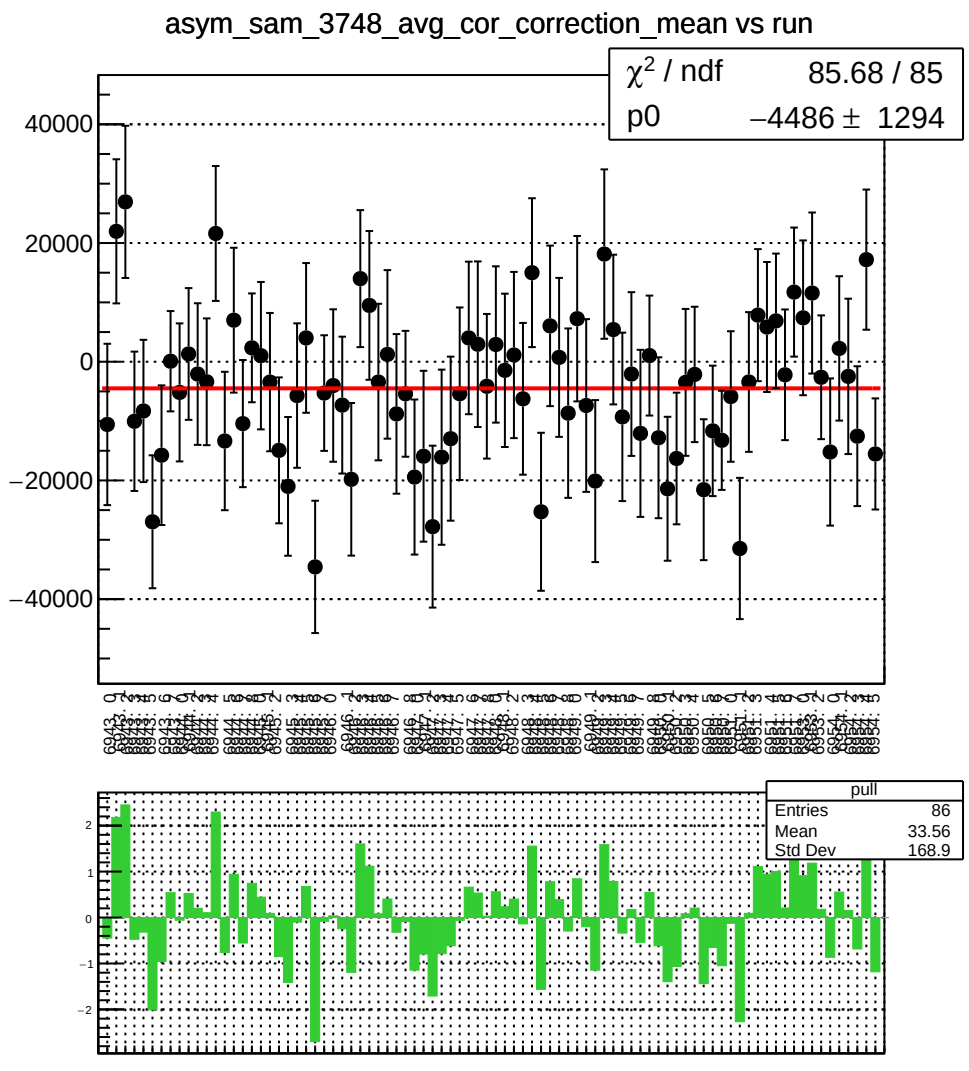

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1.197e+04 / 85
p0 1173 ± 0.9147
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

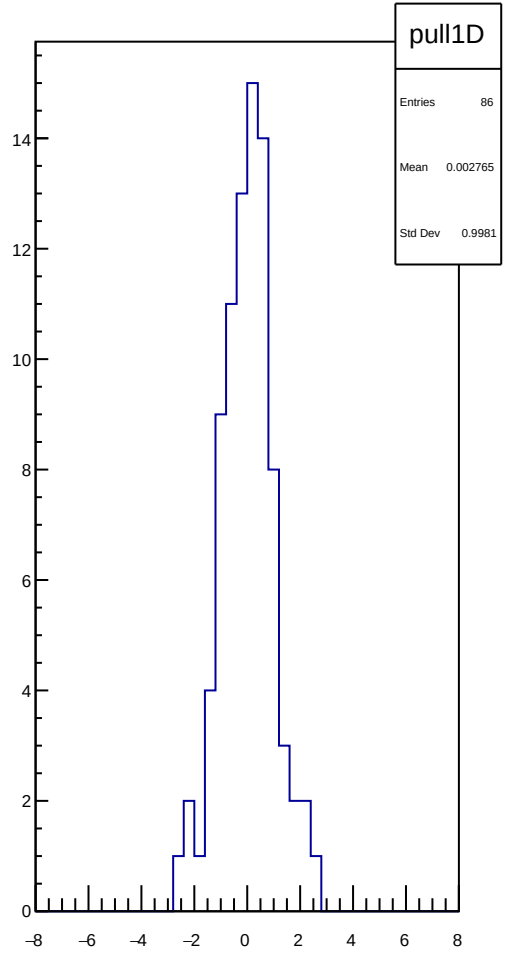

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 95.01 / 85
p0 −54.15 ± 102.6
pull
Entries 86
Mean −713.9
Std Dev 0

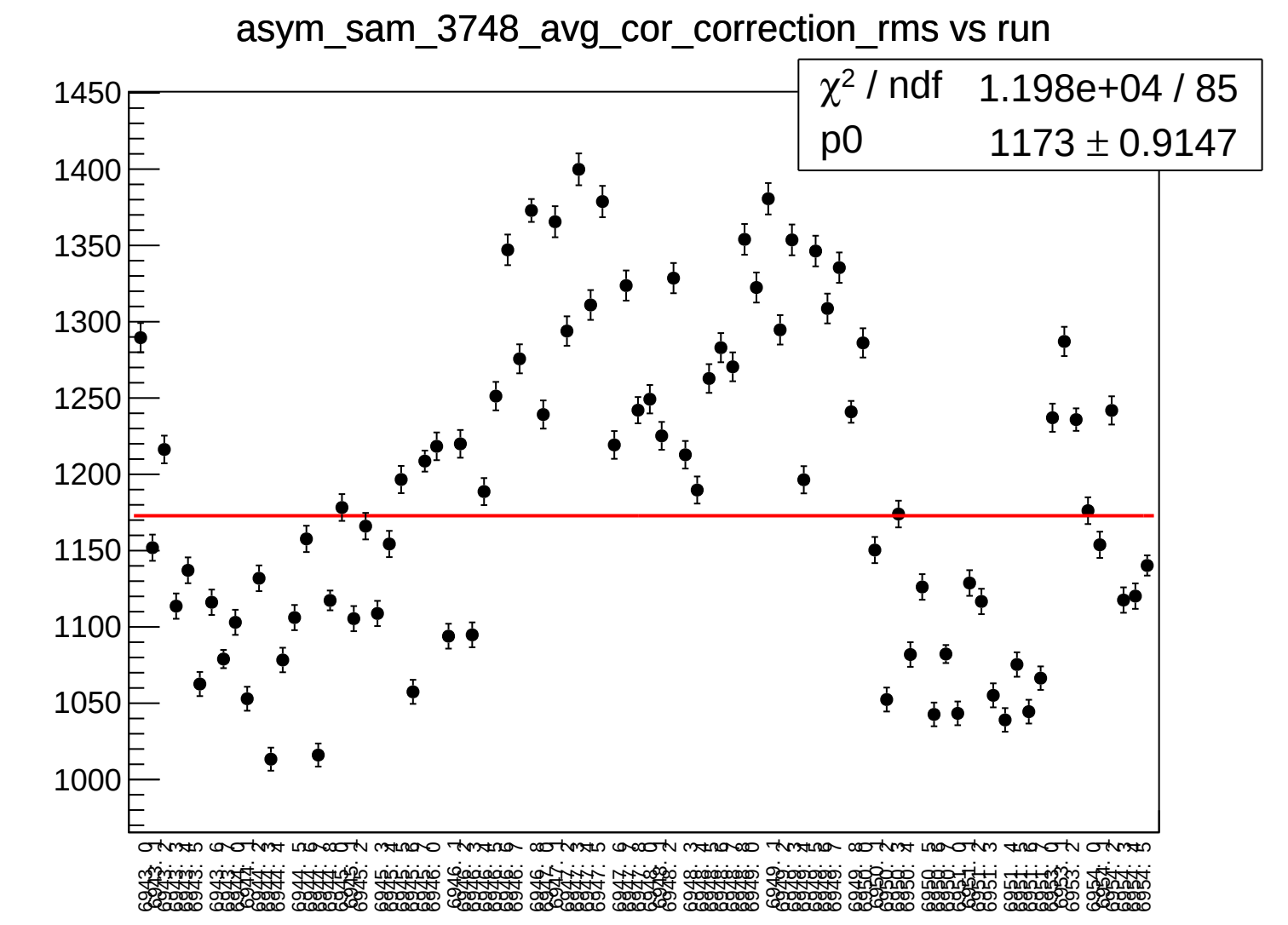

pull1D
Entries 86
Mean −0.006783
Std Dev 1.051

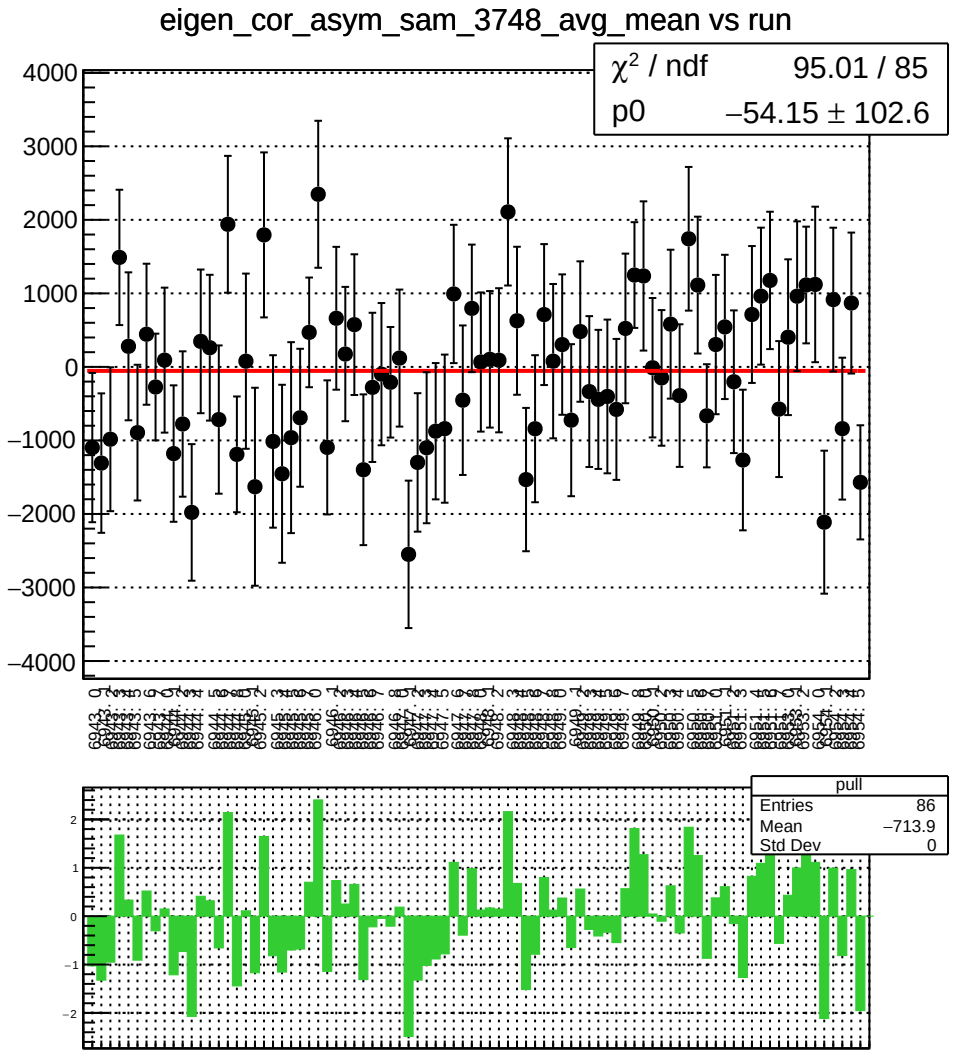
cor_asym_sam_3748_avg_rms vs run

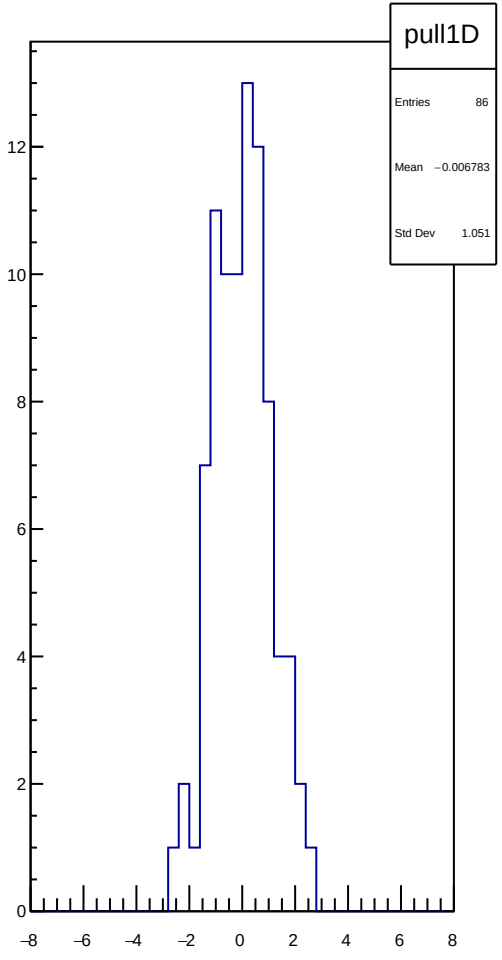


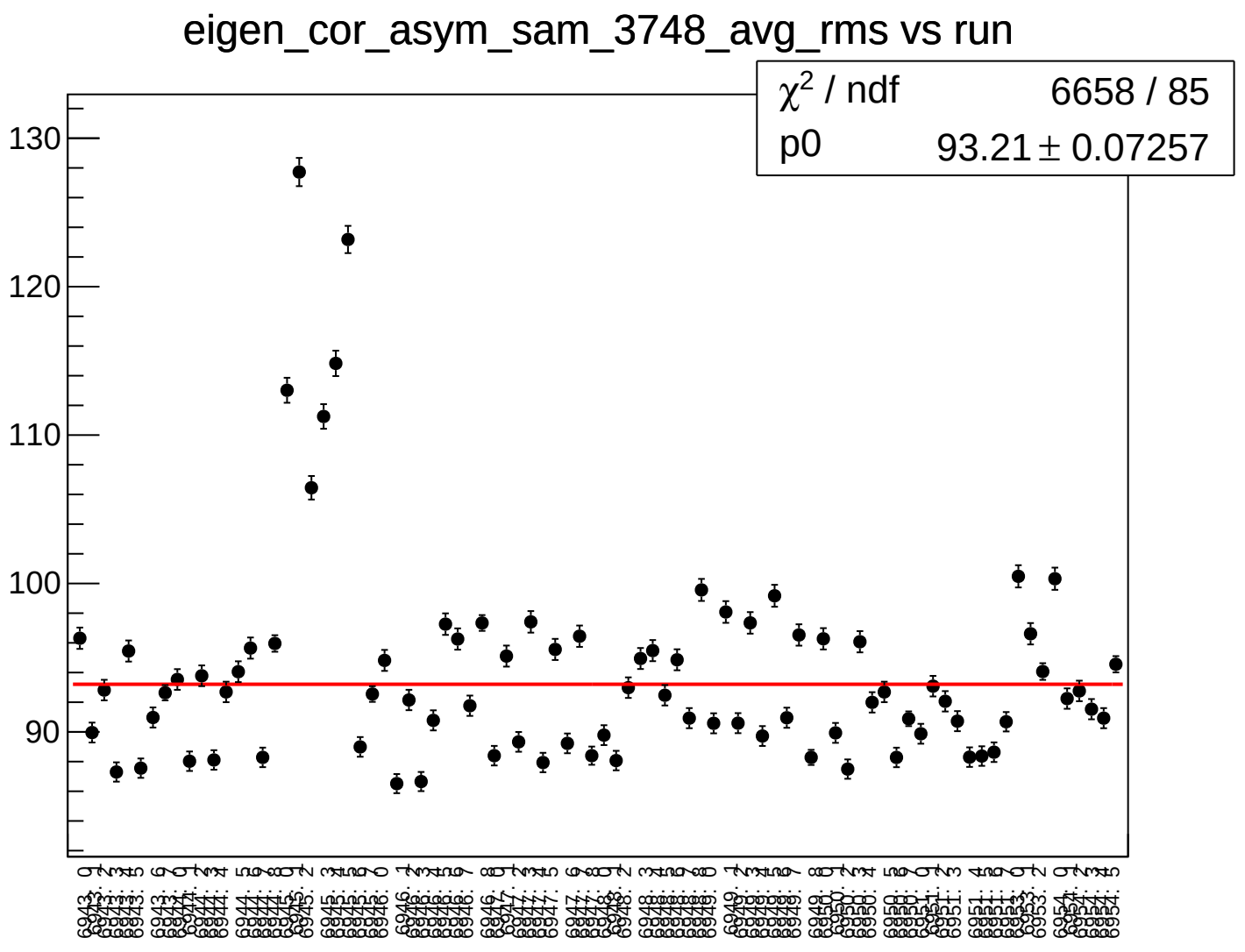

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 85.68 / 85
p0 −4486 ± 1294
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 33.56
Std Dev 168.9
2
1
0
−1
−2

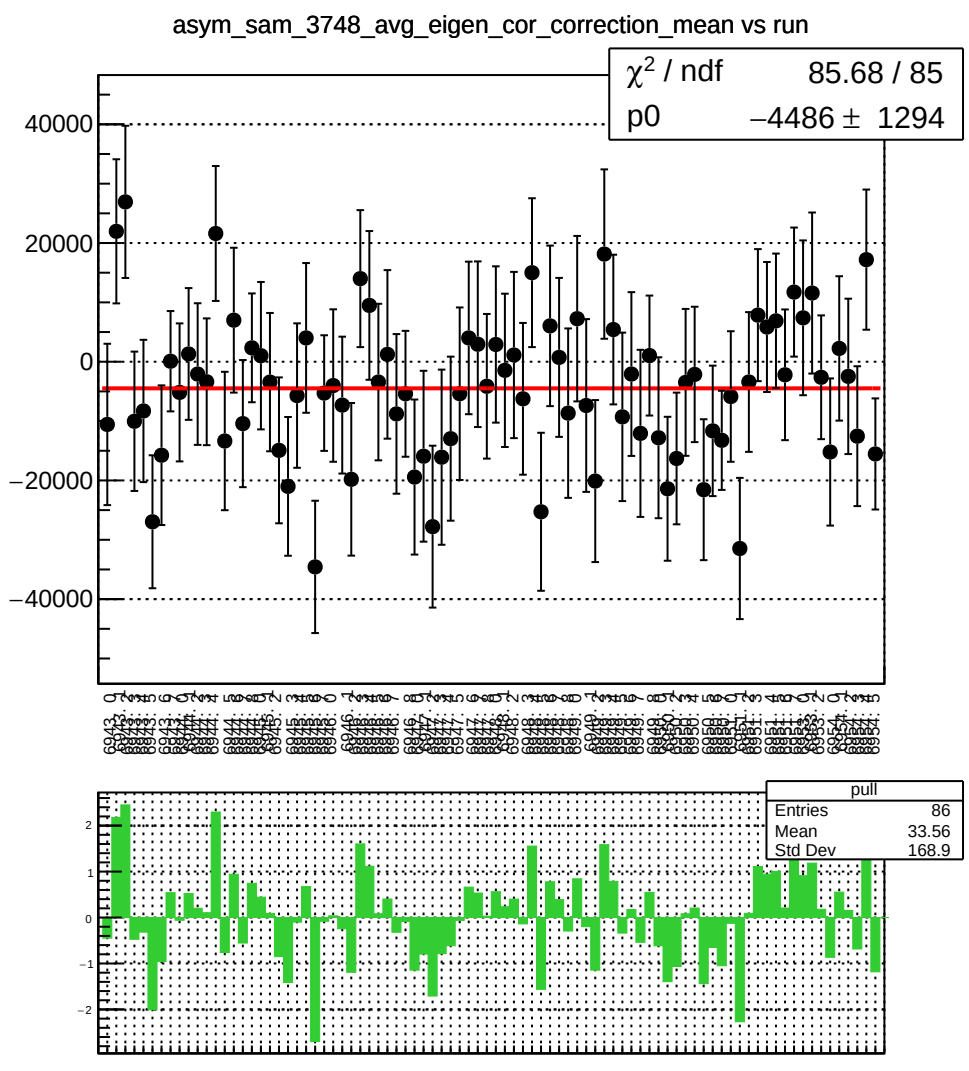

pull1D
Entries 86
Mean 0.002765
Std Dev 0.9981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

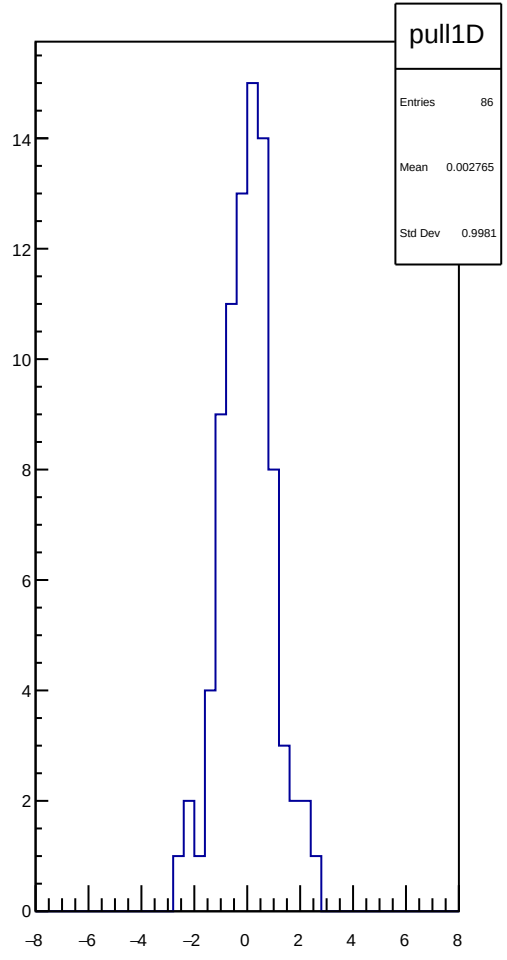

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1.198e+04 / 85
p0 1173 ± 0.9147
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

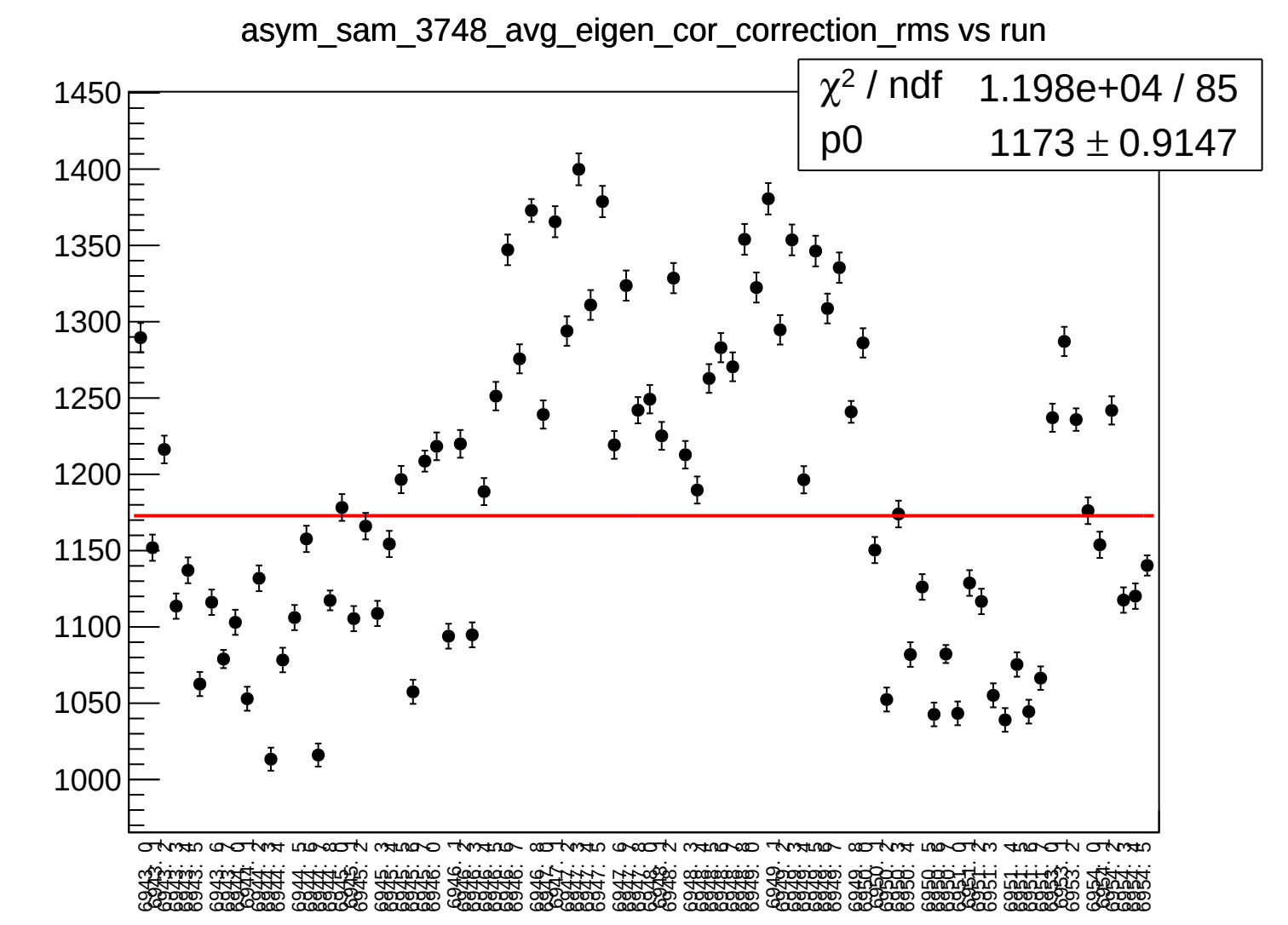

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 95.01 / 85
p0 −54.15 ± 102.6
pull
Entries 86
Mean −713.9
Std Dev 0

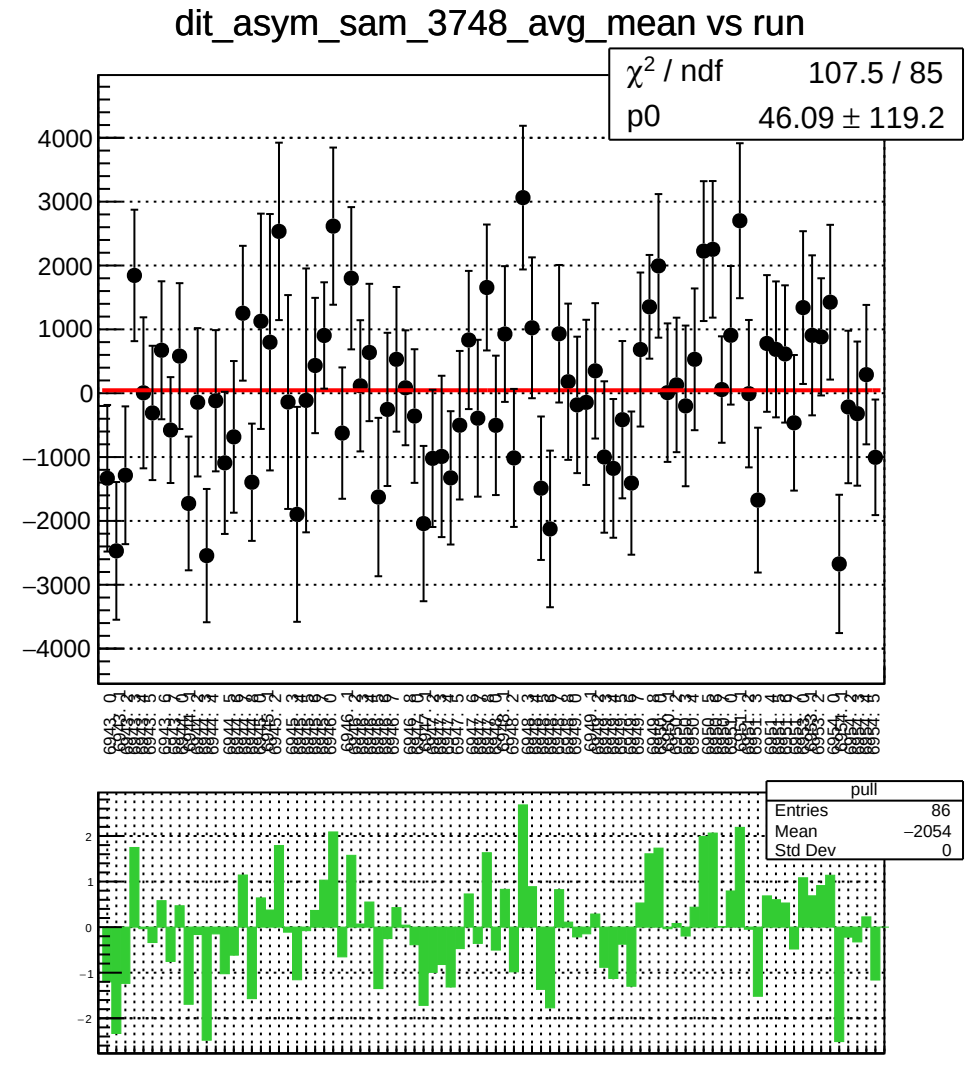

pull1D
Entries 86
Mean −0.006783
Std Dev 1.051

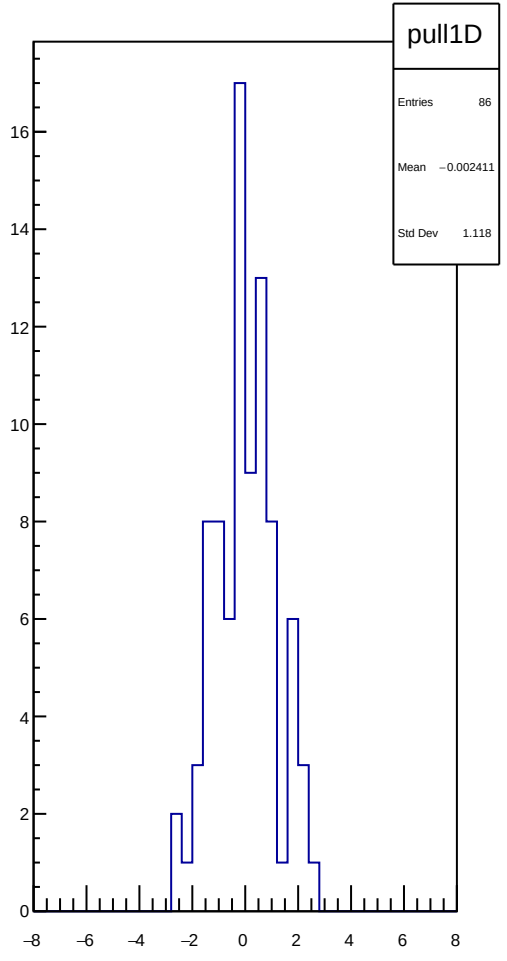

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 6658 / 85
p0 93.21 ± 0.07257
130
120
110
100
90

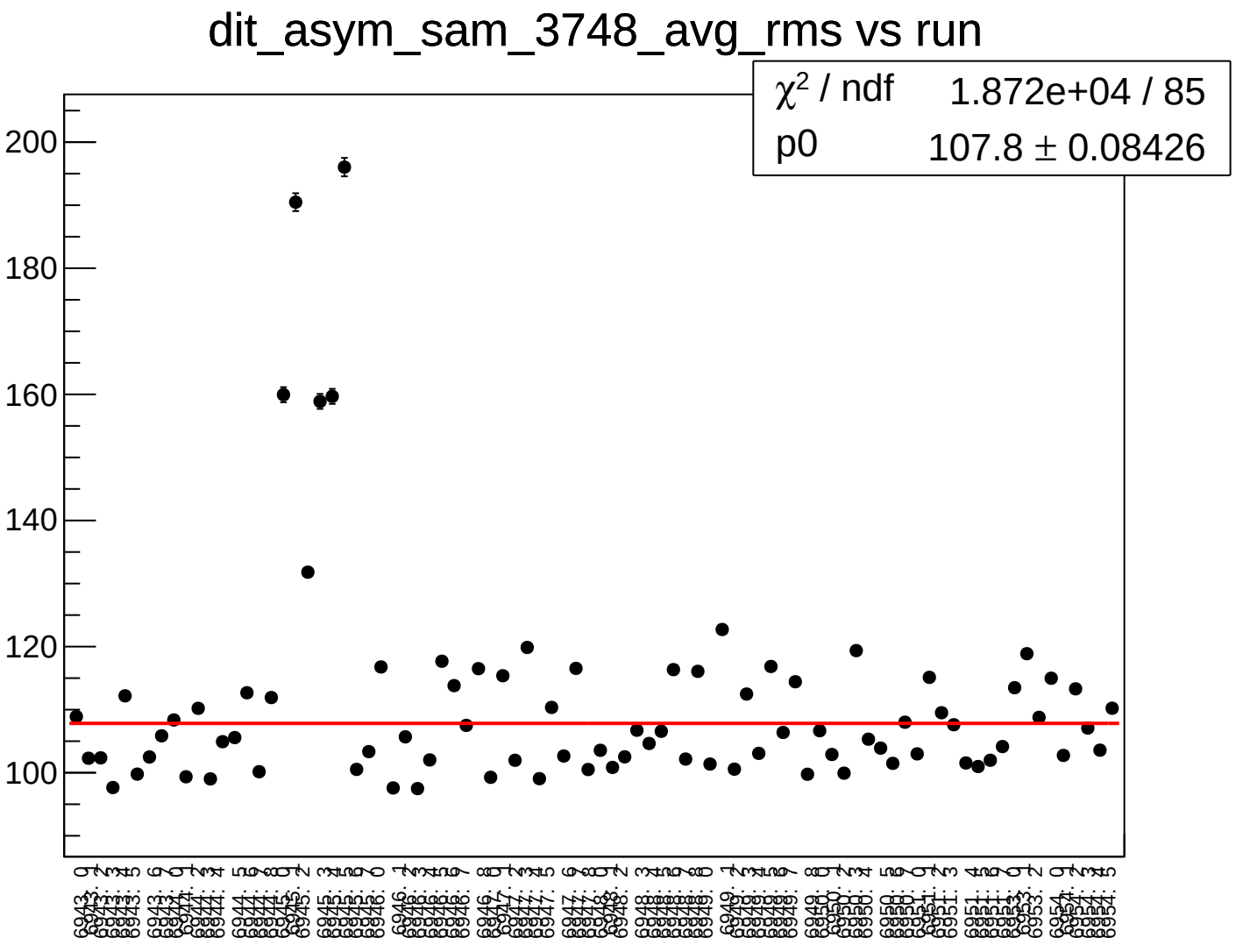

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.68 / 85
p0 −4486 ± 1294
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 33.56
Std Dev 168.9
2
1
0
−1
−2

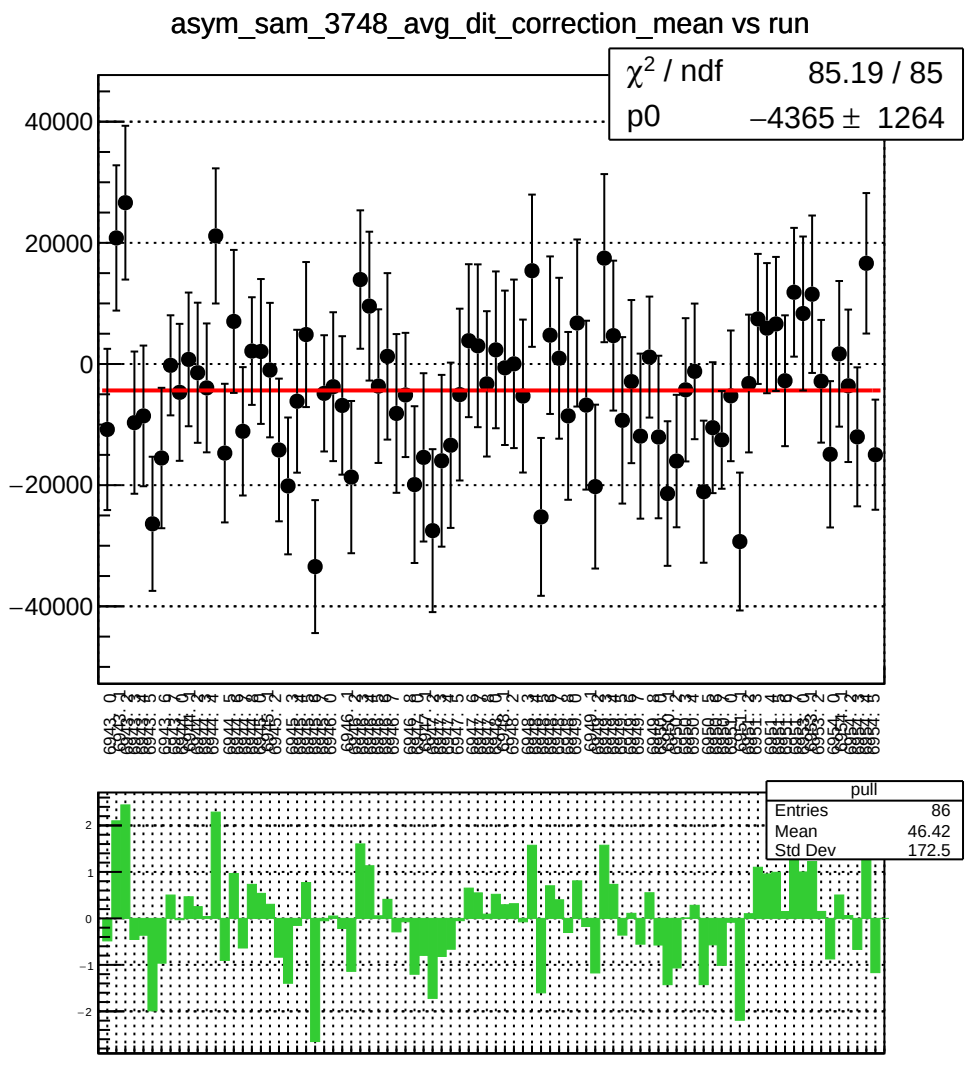

pull1D
Entries 86
Mean 0.002765
Std Dev 0.9981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

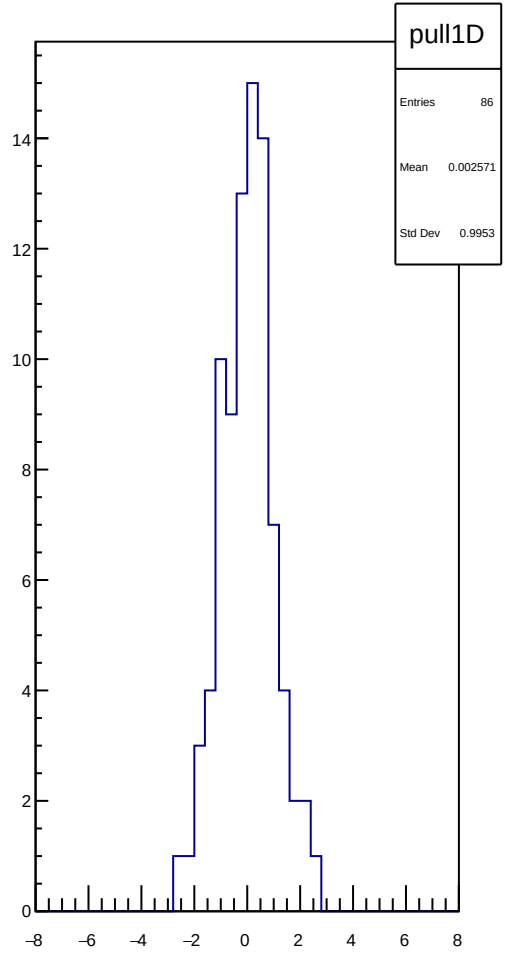

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.198e+04 / 85
p0 1173 ± 0.9147
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

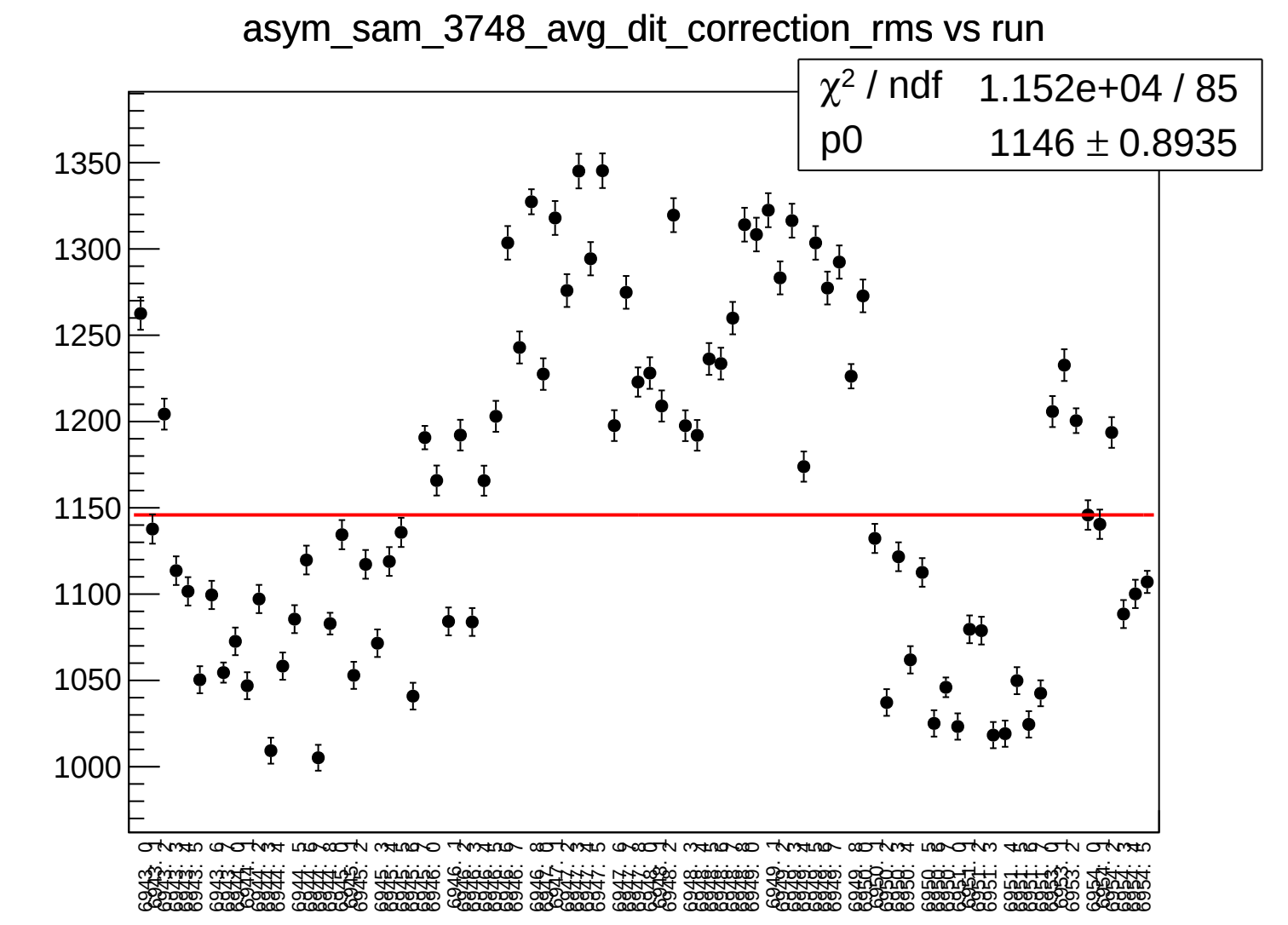

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 107.5 / 85
p0 46.09 ± 119.2
pull
Entries 86
Mean −2054
Std Dev 0

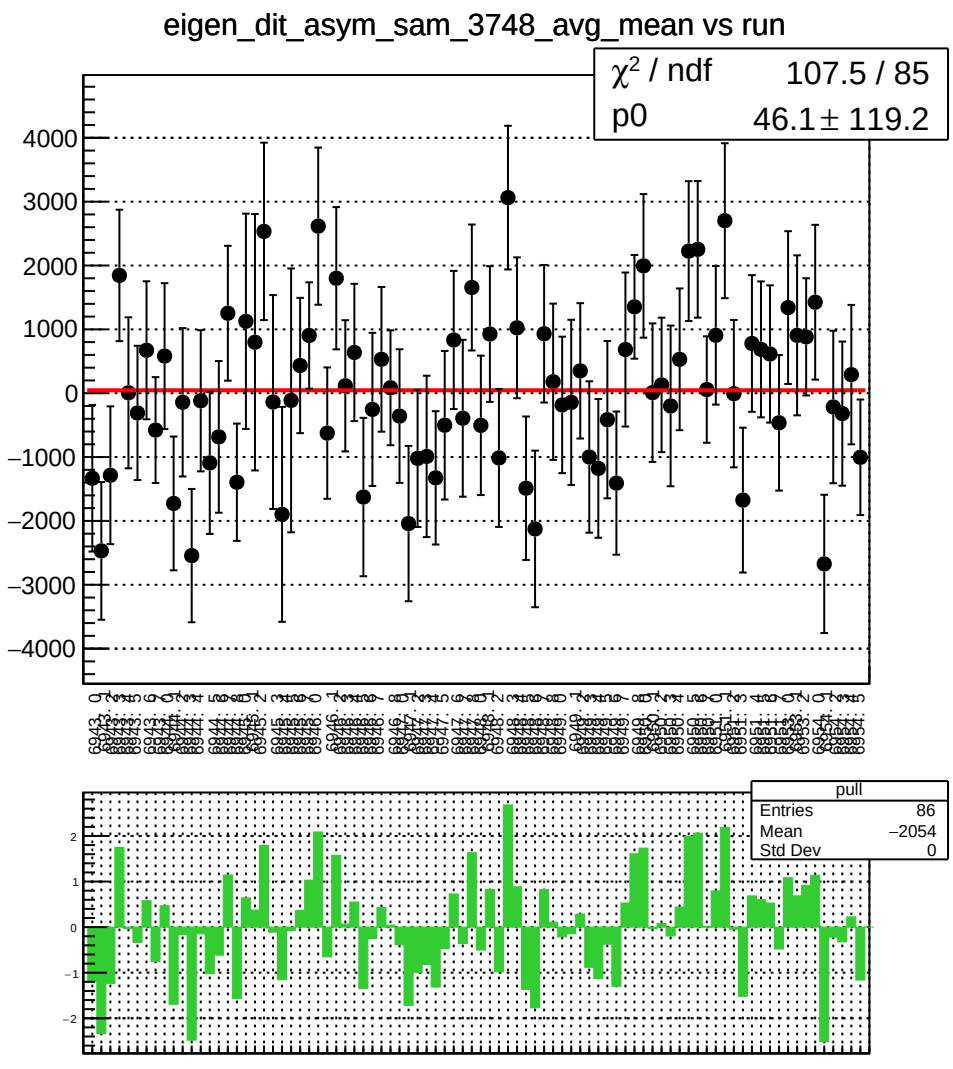

pull1D
Entries 86
Mean −0.002411
Std Dev 1.118

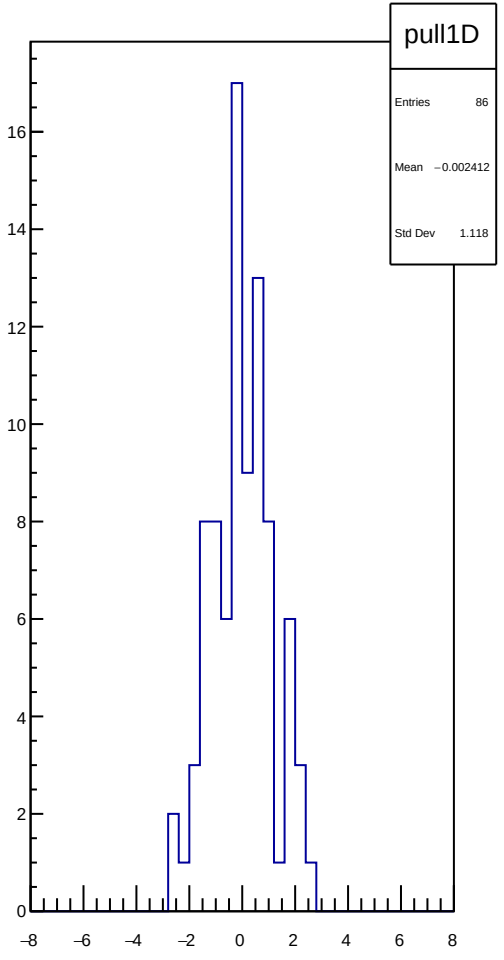

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.872e+04 / 85
p0 107.8 ± 0.08426
200
180
160
140
120
100

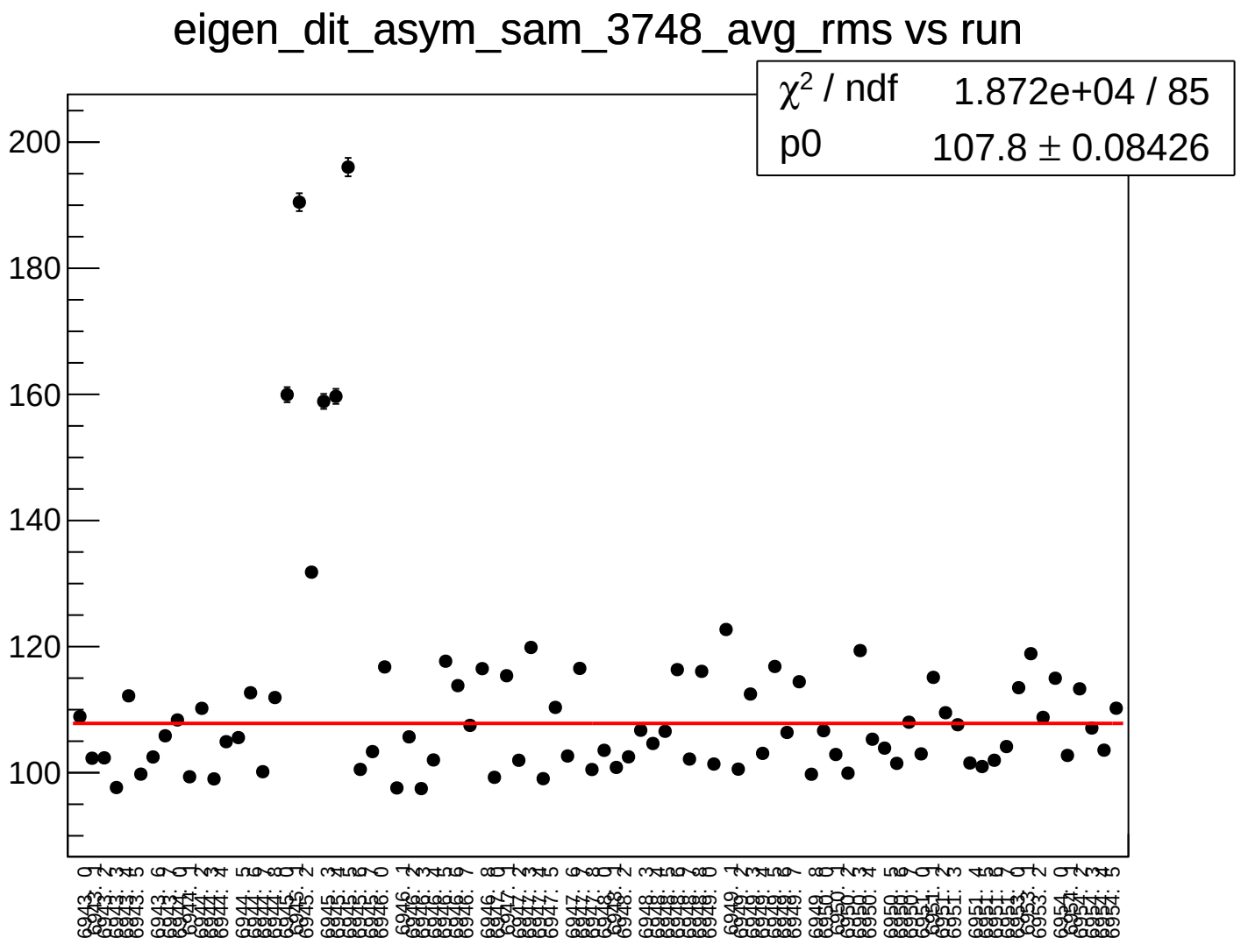

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 85.19 / 85
p0 −4365 ± 1264
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 46.42
Std Dev 172.5
2
1
0
−1
−2

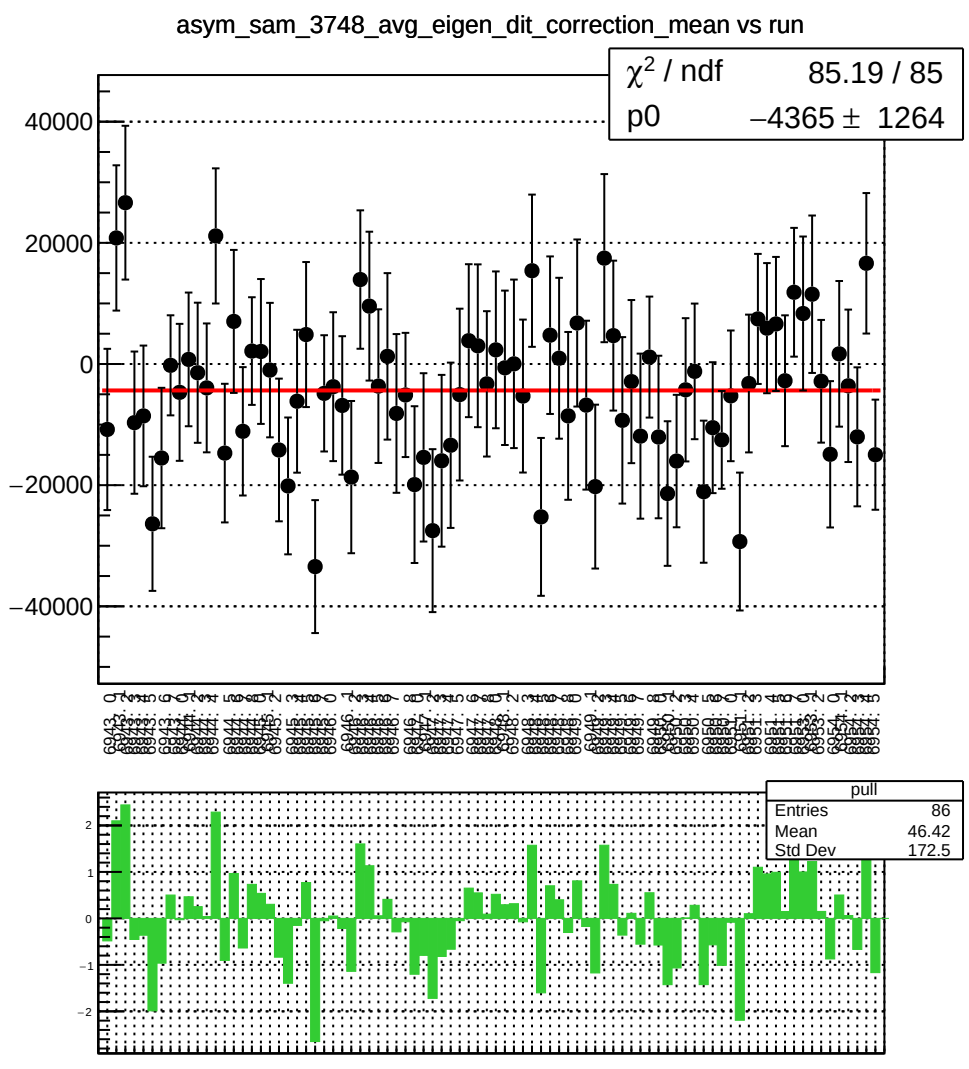

pull1D
Entries 86
Mean 0.002571
Std Dev 0.9953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

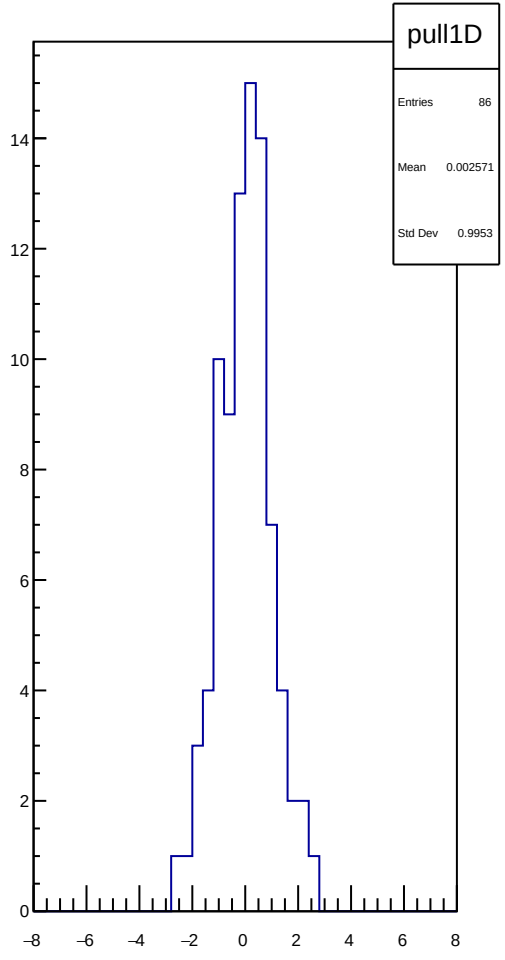

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1.152e+04 / 85
p0 1146 ± 0.8935
1350
1300
1250
1200
1150
1100
1050
1000

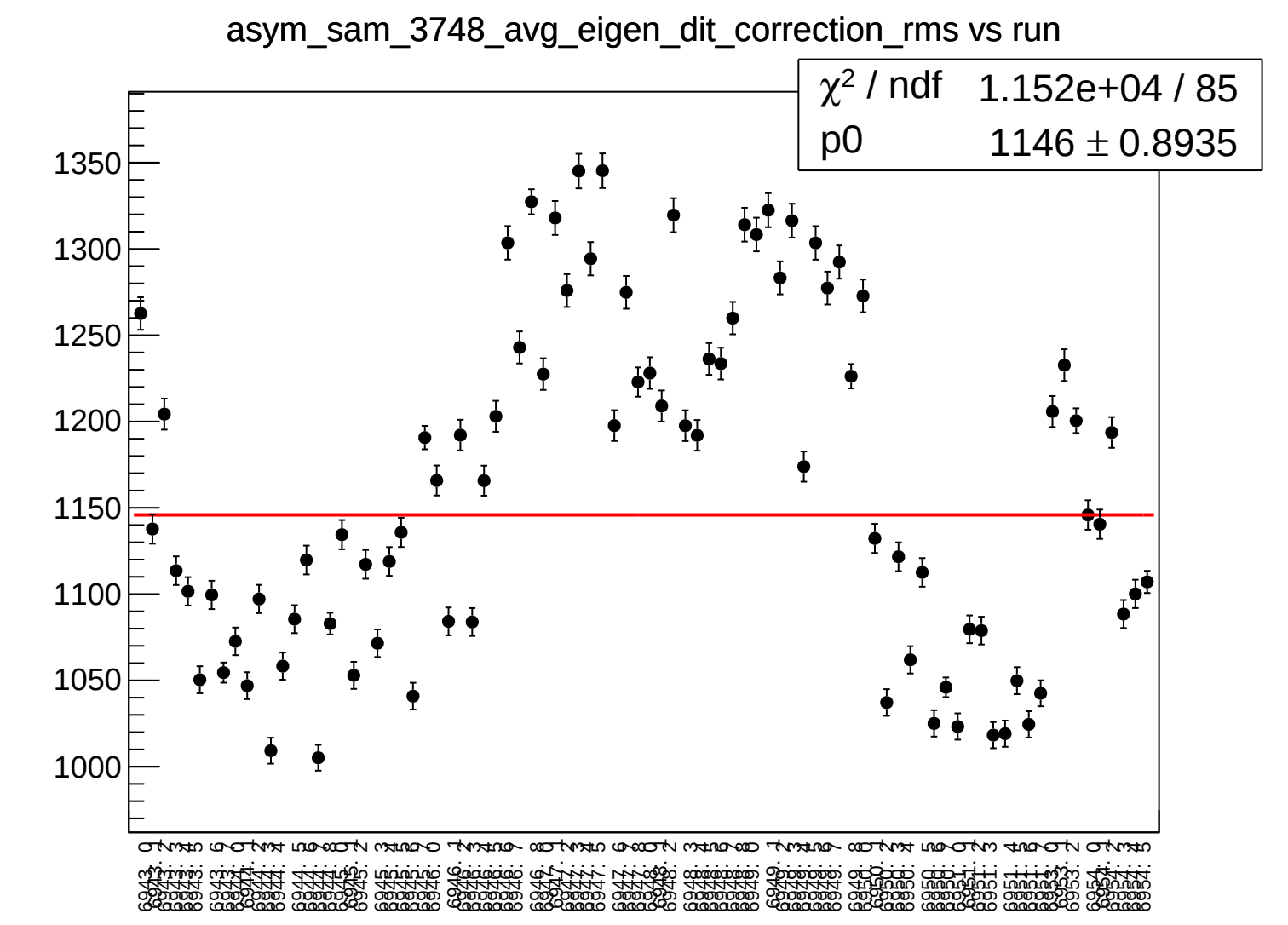

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 107.5 / 85
p0 46.1 ± 119.2
pull
Entries 86
Mean −2054
Std Dev 0

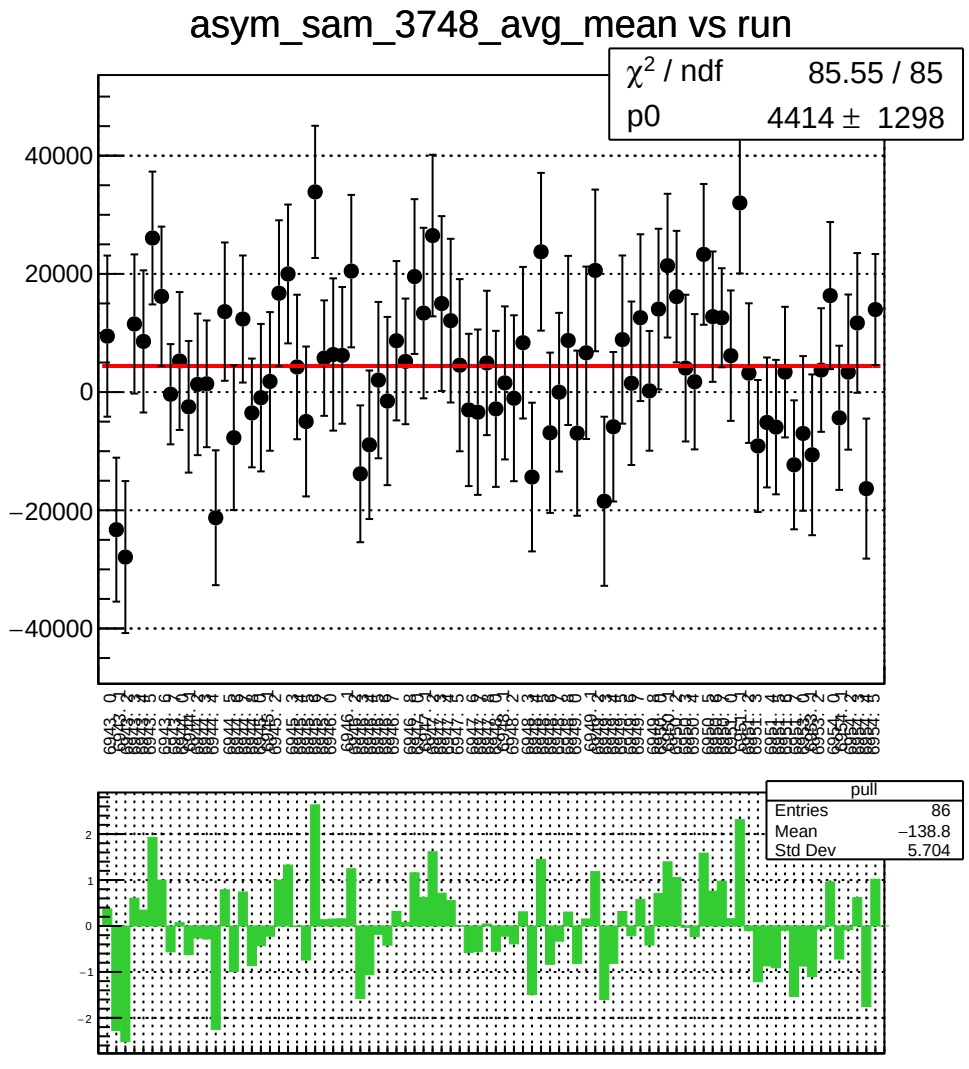

pull1D
Entries 86
Mean −0.002412
Std Dev 1.118

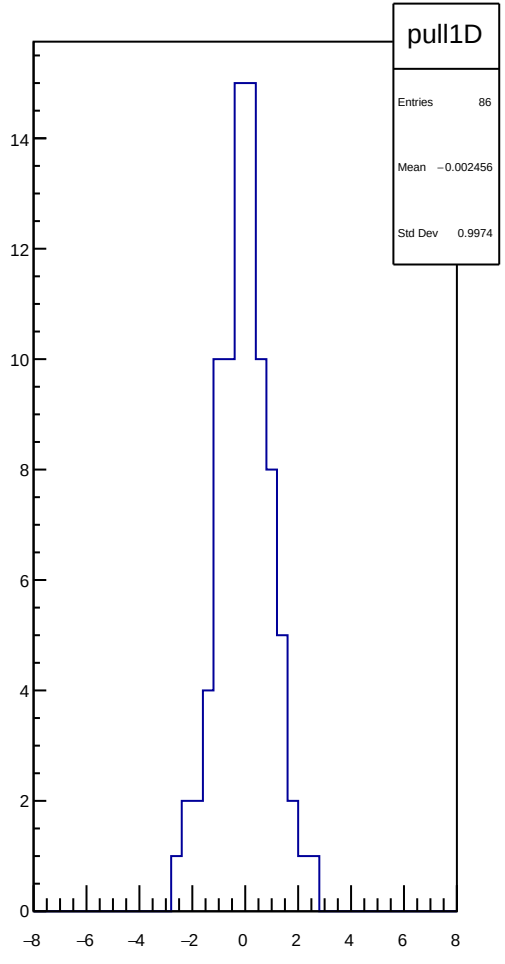

eigen_dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.872e+04 / 85
p0 107.8 ± 0.08426
200
180
160
140
120
100

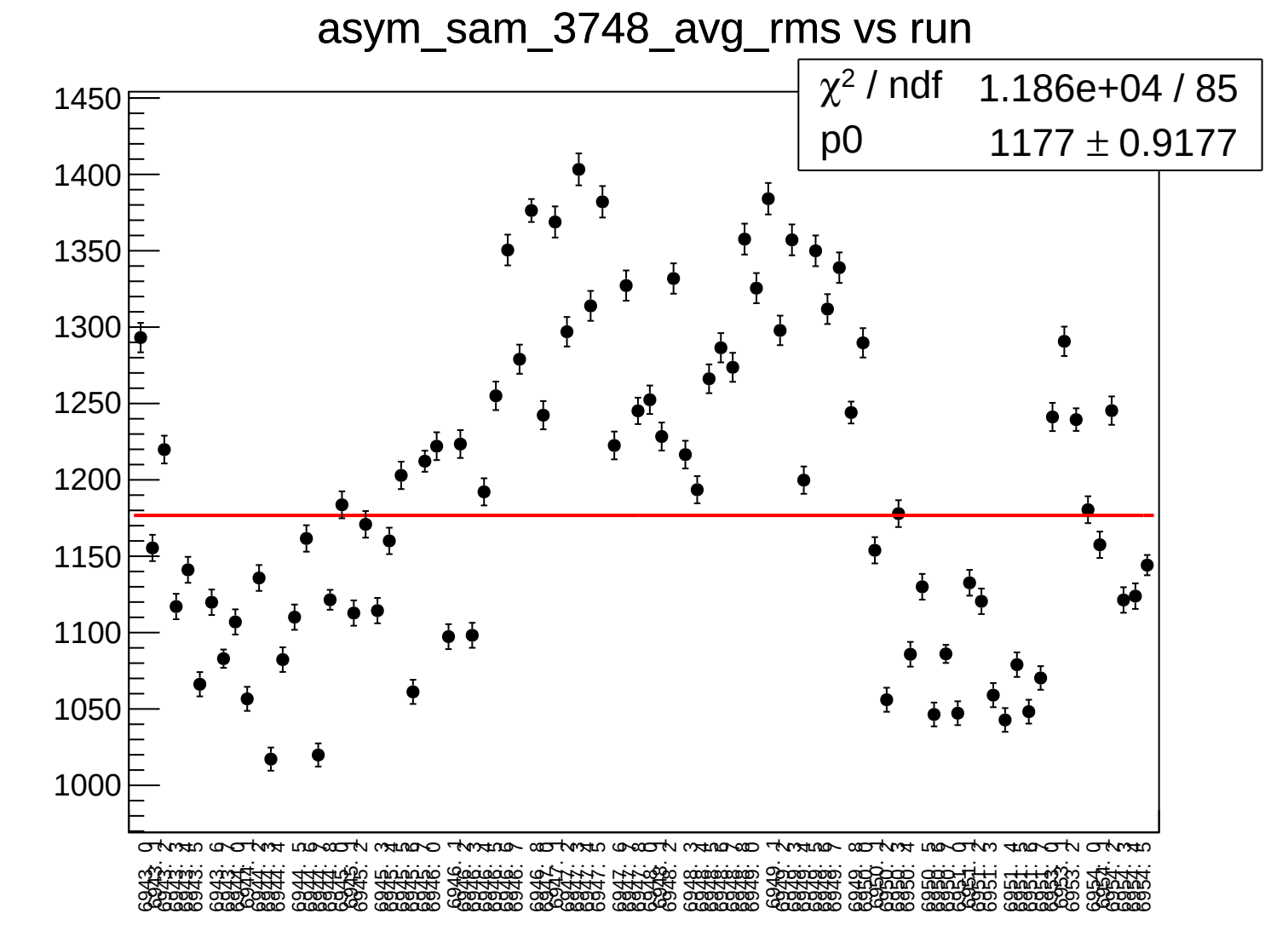

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.19 / 85
p0 −4365 ± 1264
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 46.42
Std Dev 172.5
2
1
0
−1
−2

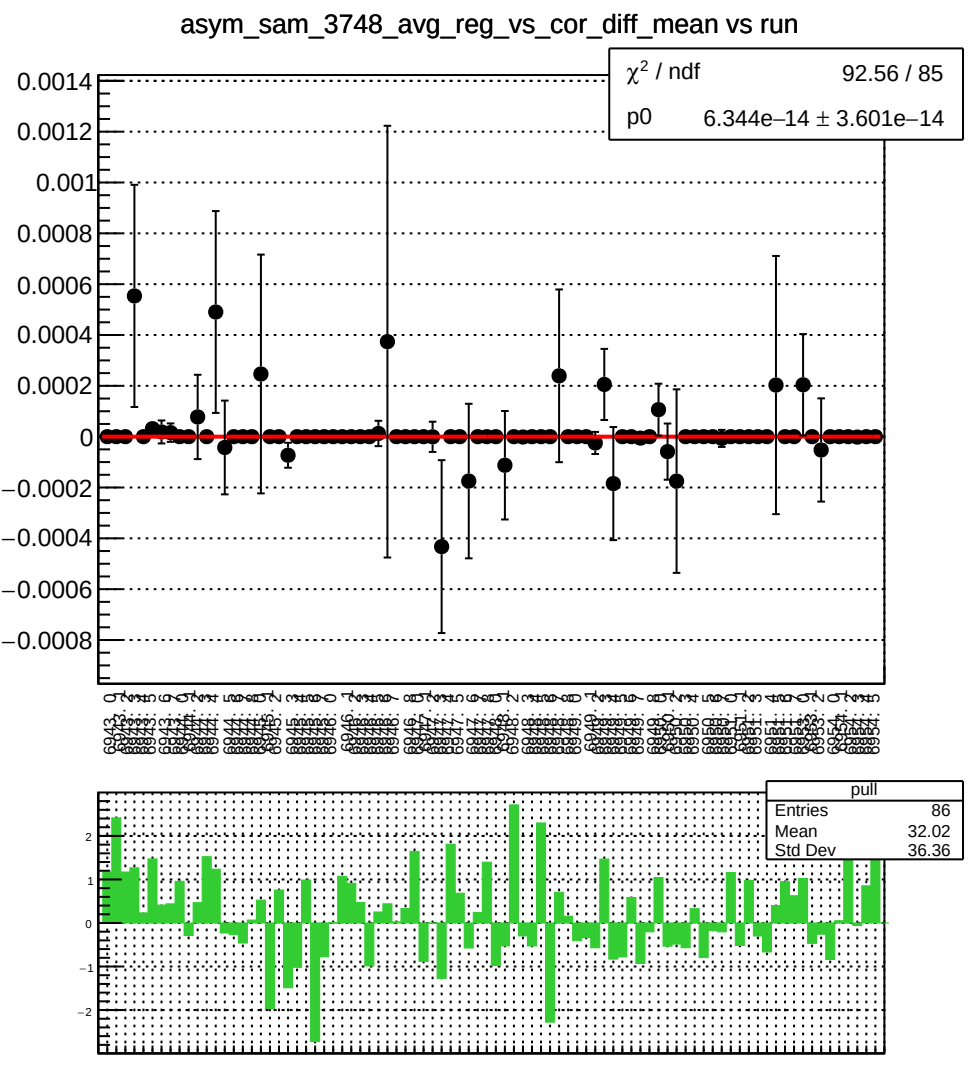

pull1D
Entries 86
Mean 0.002571
Std Dev 0.9953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

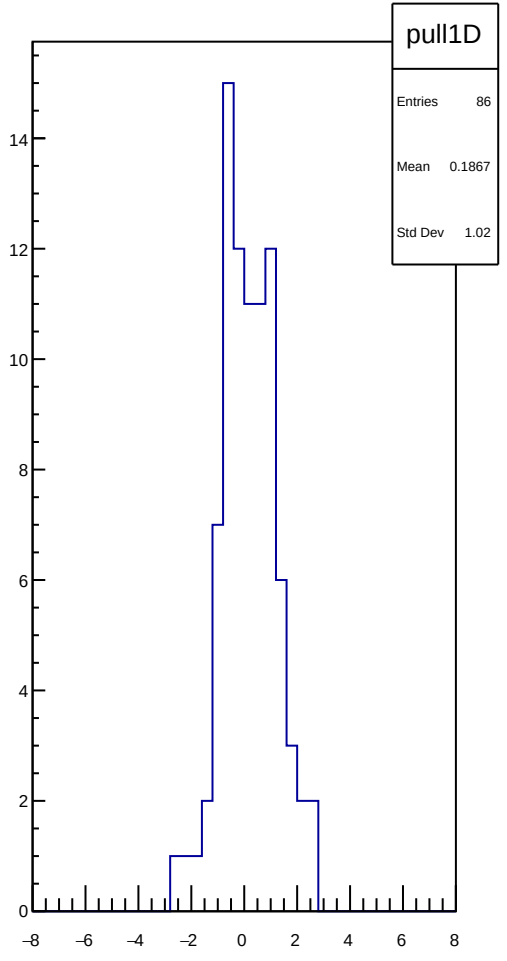

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.152e+04 / 85
p0 1146 ± 0.8935
1350
1300
1250
1200
1150
1100
1050
1000

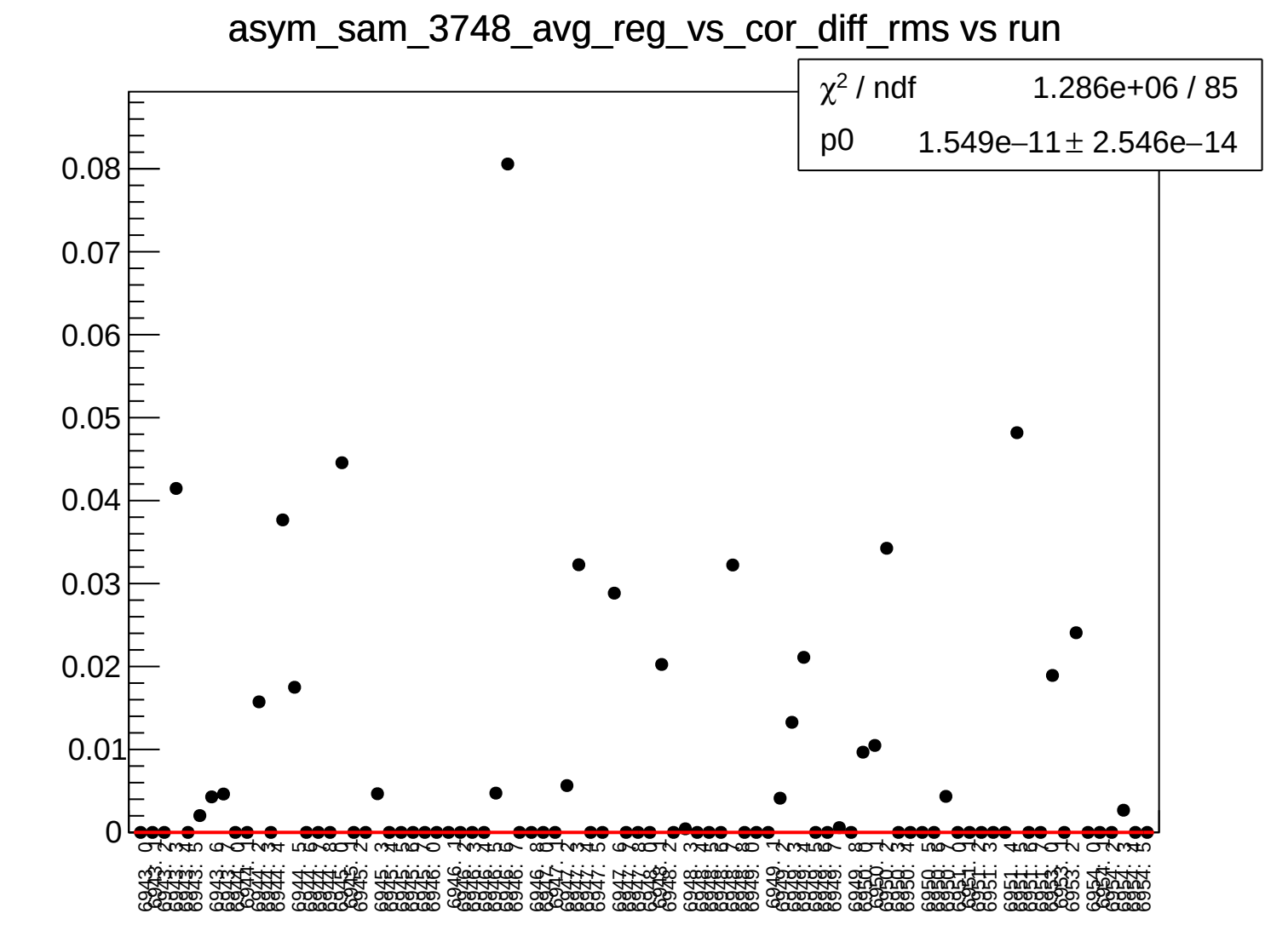

asym_sam_3748_avg_mean vs run
χ² / ndf 85.55 / 85
p0 4414 ± 1298
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −138.8
Std Dev 5.704
2
1
0
−1
−2

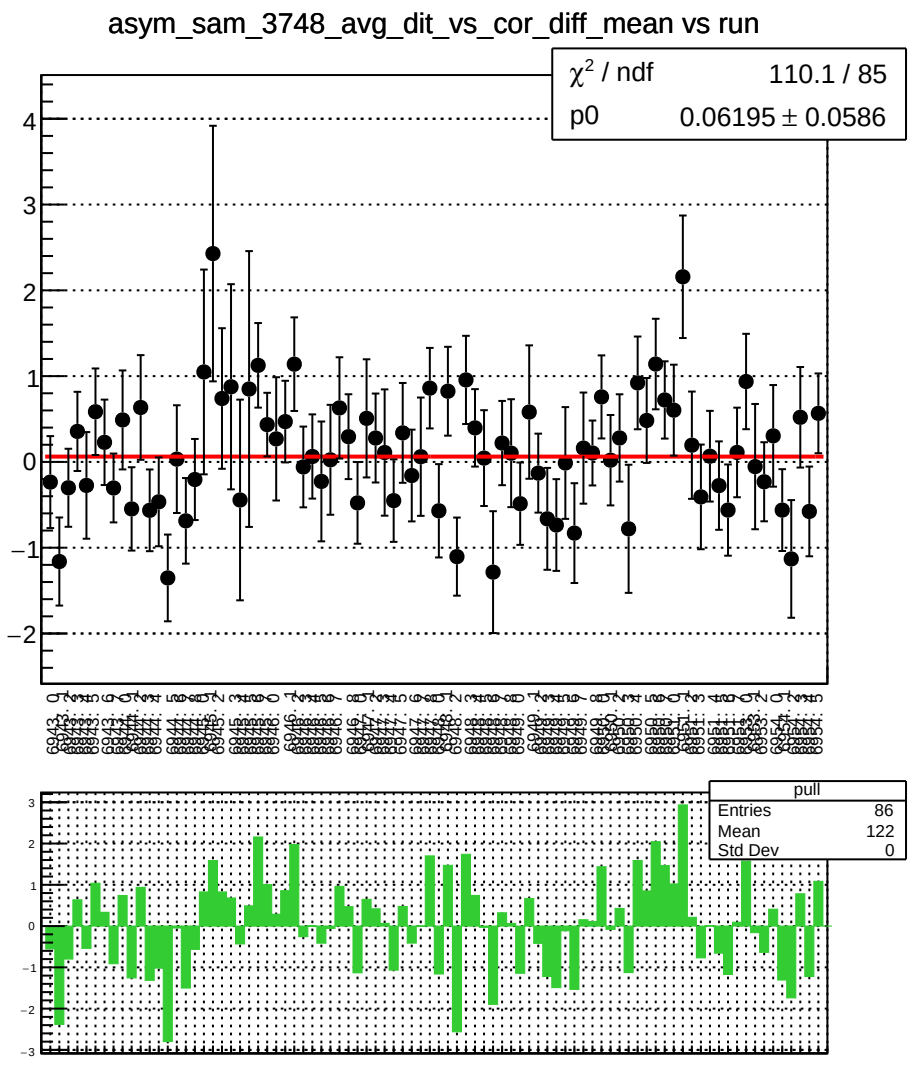

pull1D
Entries 86
Mean −0.002456
Std Dev 0.9974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

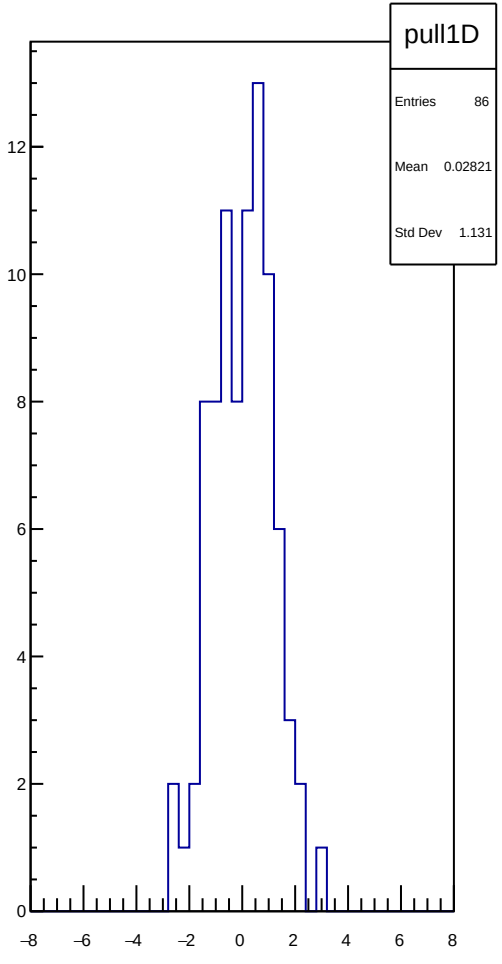

asym_sam_3748_avg_rms vs run
χ² / ndf 1.186e+04 / 85
p0 1177 ± 0.9177
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

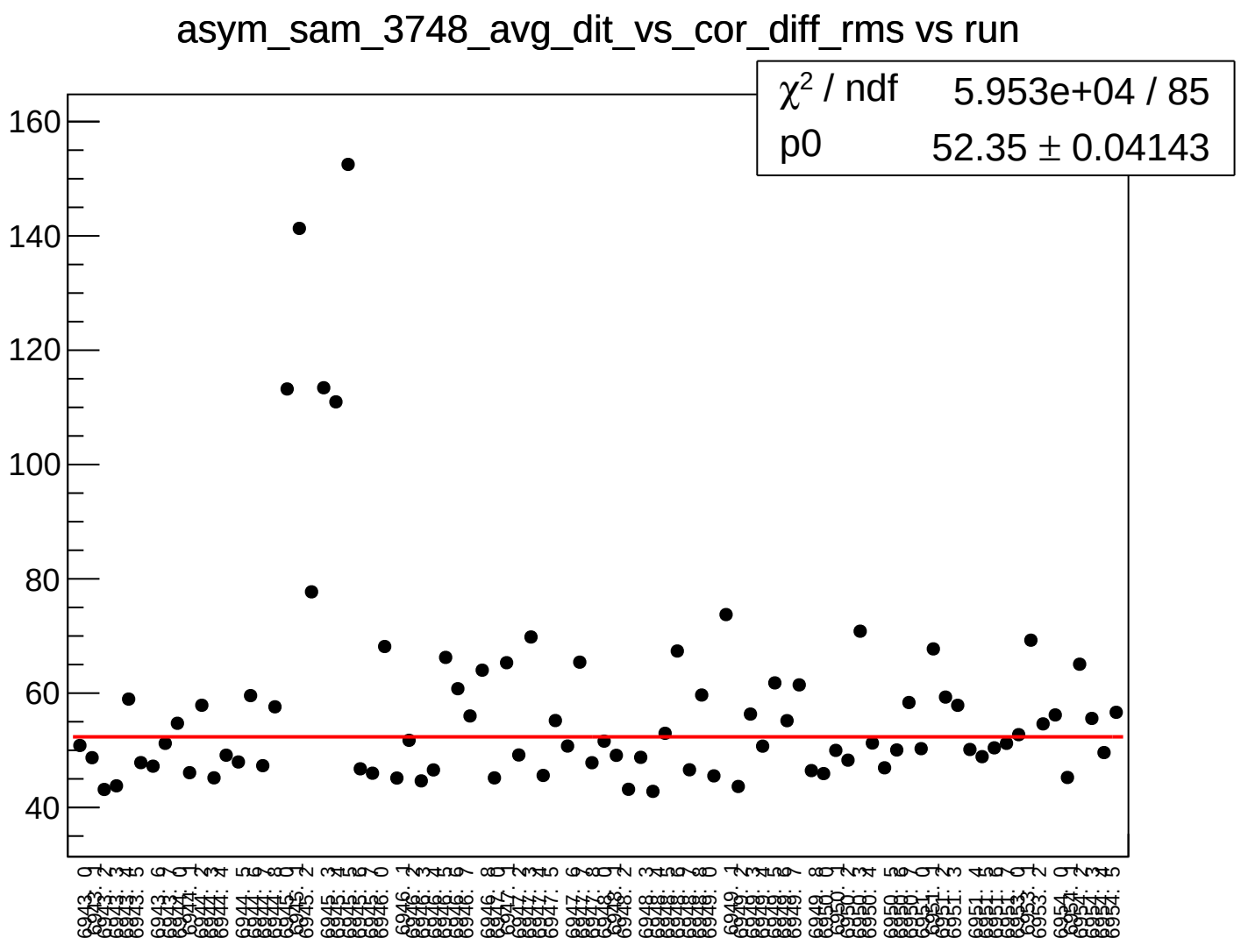

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.56 / 85
p0 6.344e−14 ± 3.601e−14
pull
Entries 86
Mean 32.02
Std Dev 36.36

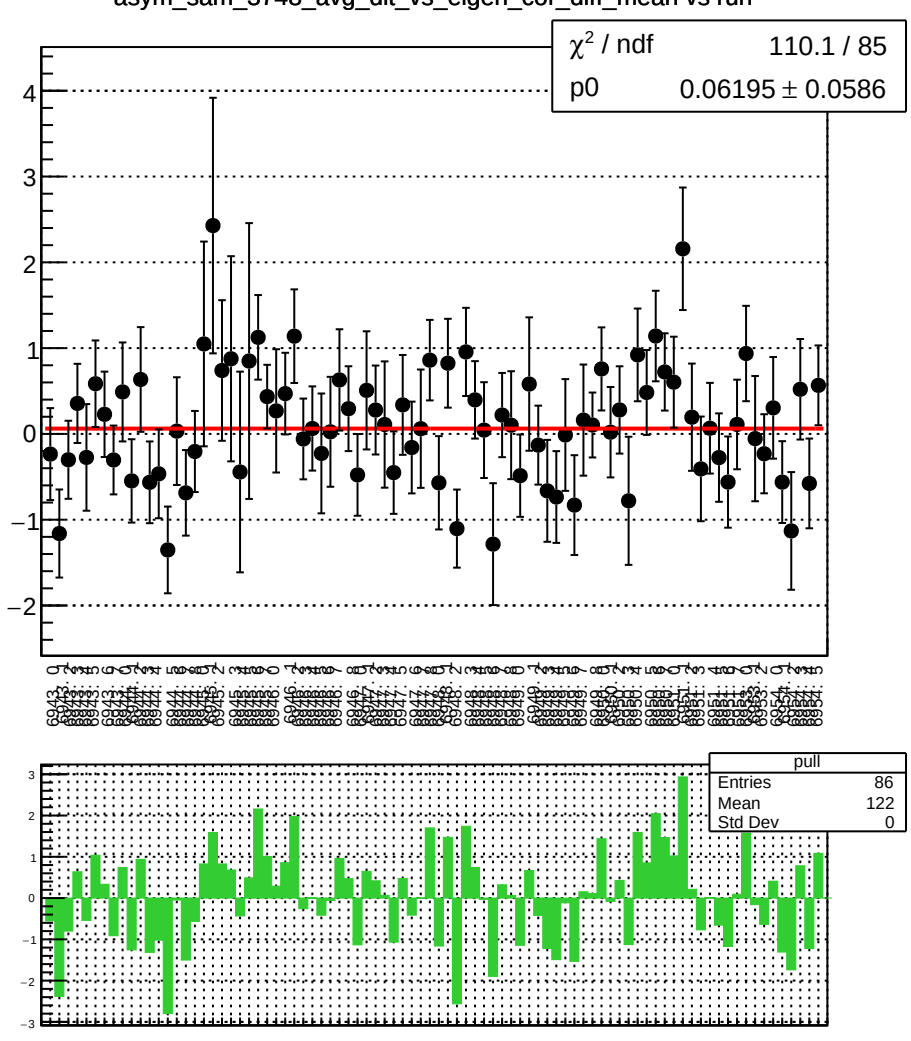

pull1D
Entries 86
Mean 0.1867
Std Dev 1.02

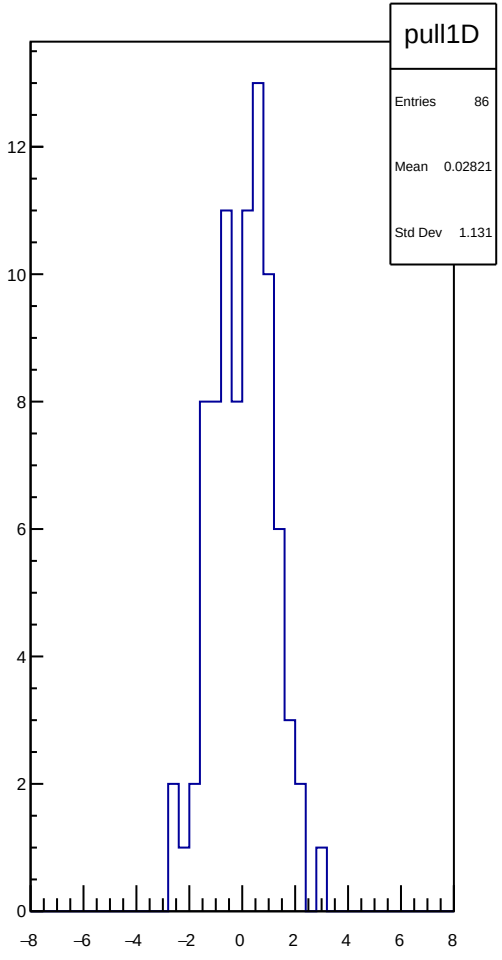

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.286e+06 / 85
p0 1.549e−11 ± 2.546e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

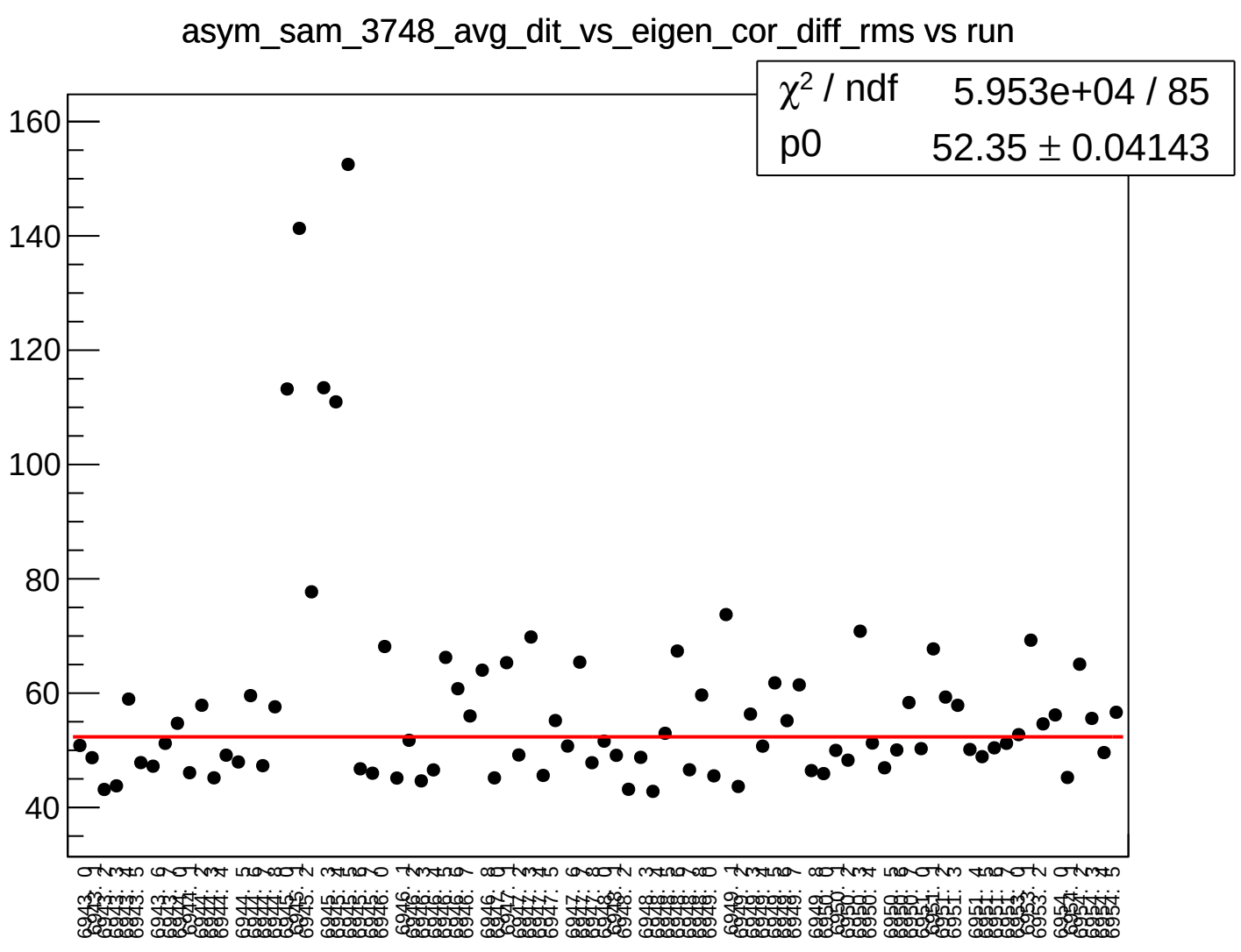

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 110.1 / 85
p0 0.06195 ± 0.0586
pull
Entries 86
Mean 122
Std Dev 0

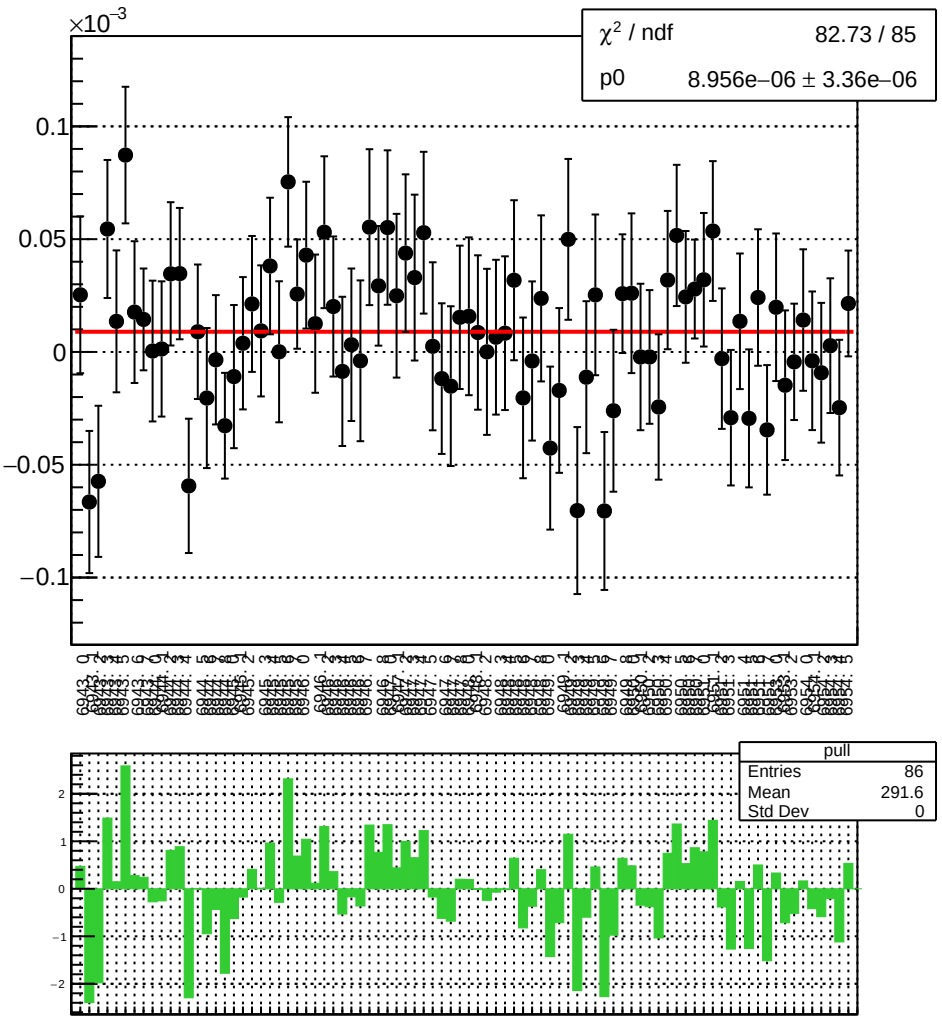

pull1D
Entries 86
Mean 0.02821
Std Dev 1.131

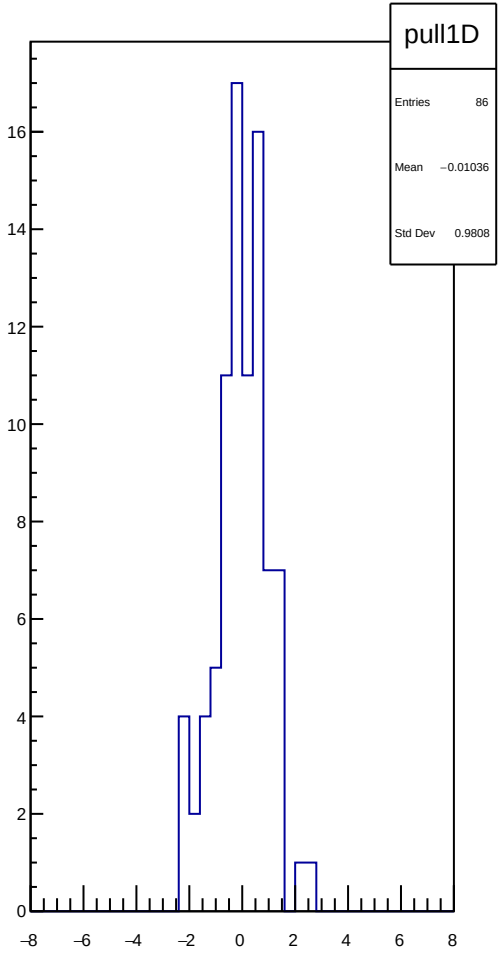

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.953e+04 / 85
p0 52.35 ± 0.04143
160
140
120
100
80
60
40

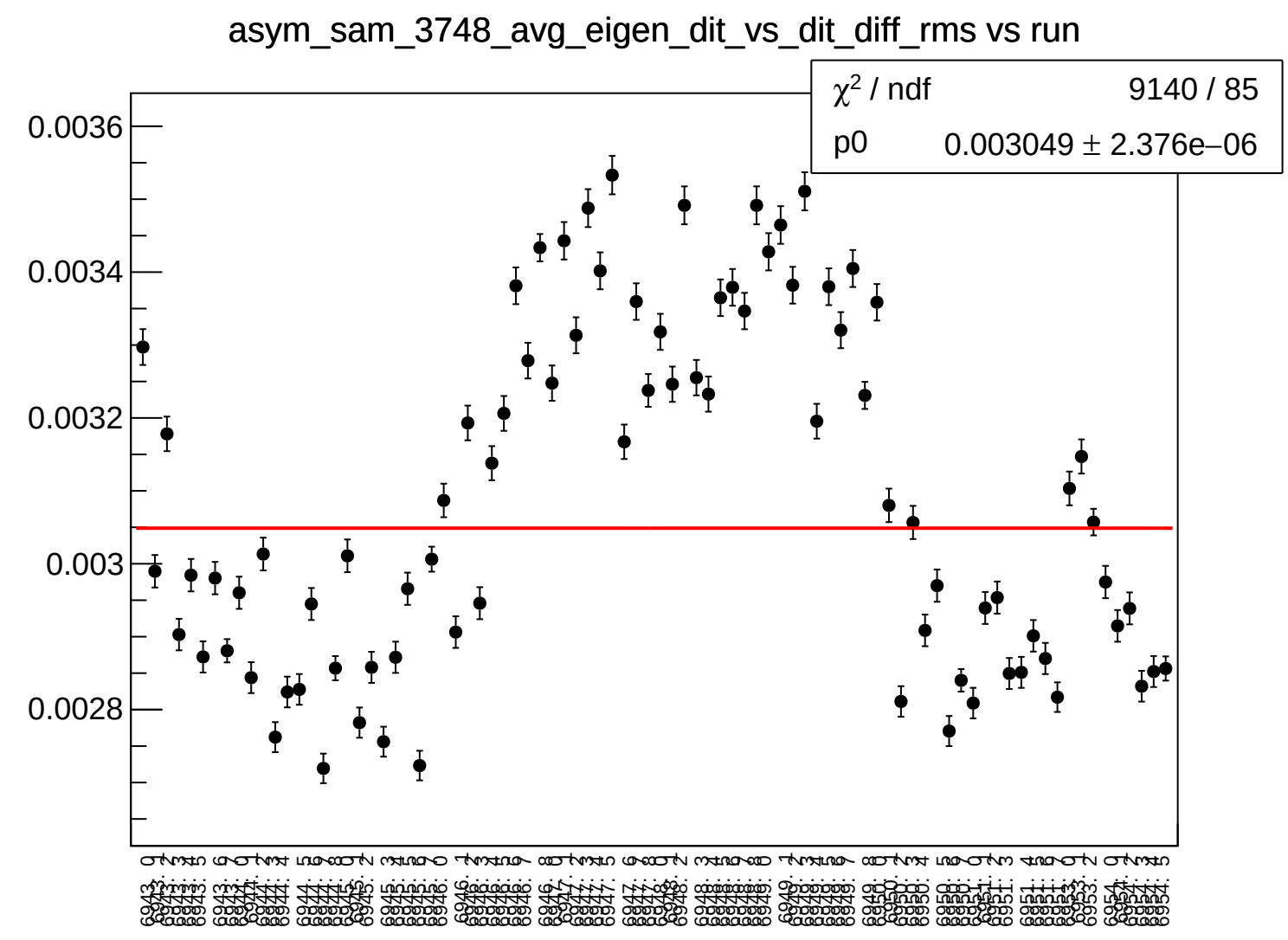

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.1 / 85
p0 0.06195 ± 0.0586
pull
Entries 86
Mean 122
Std Dev 0

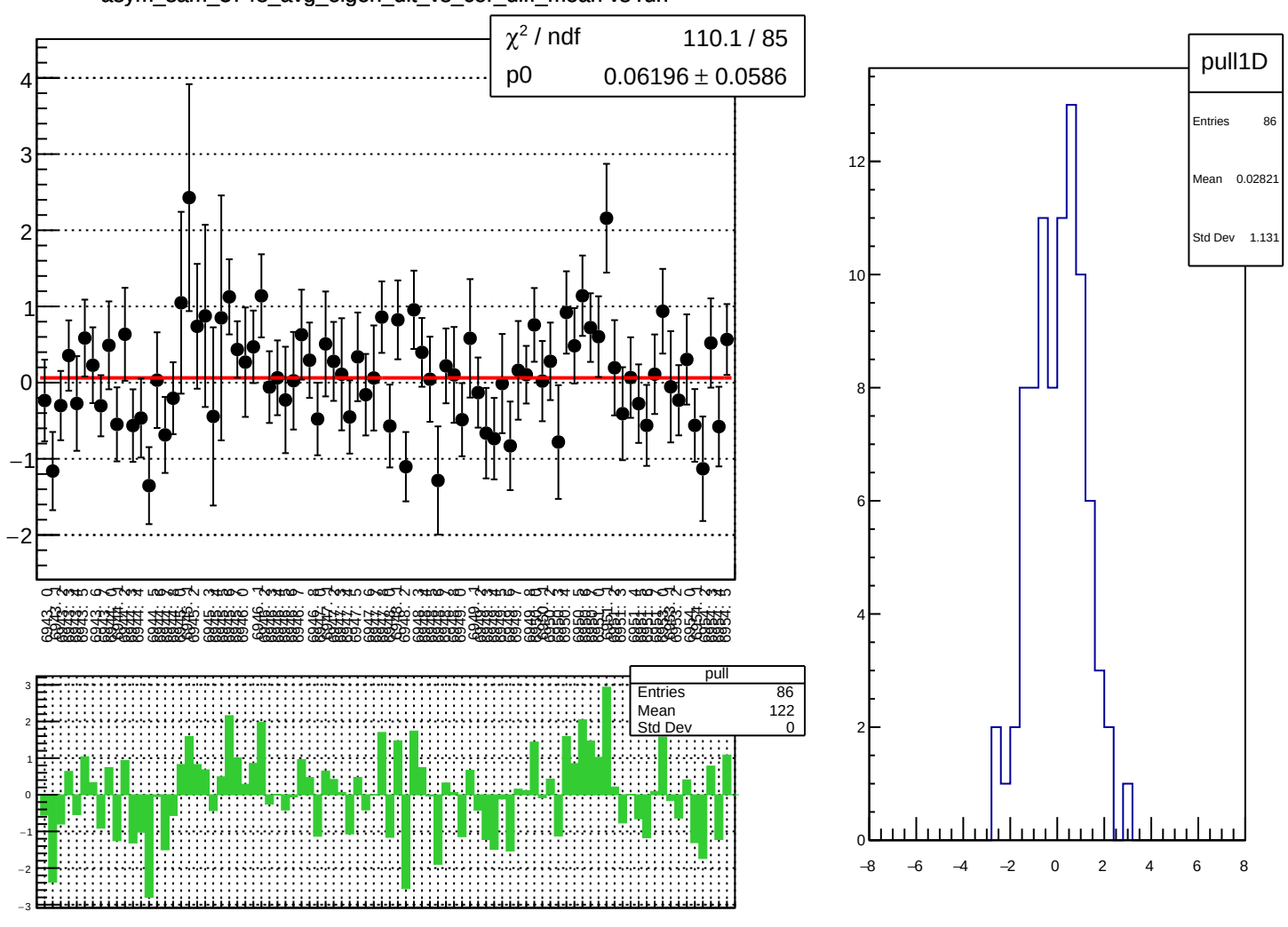

pull1D
Entries 86
Mean 0.02821
Std Dev 1.131

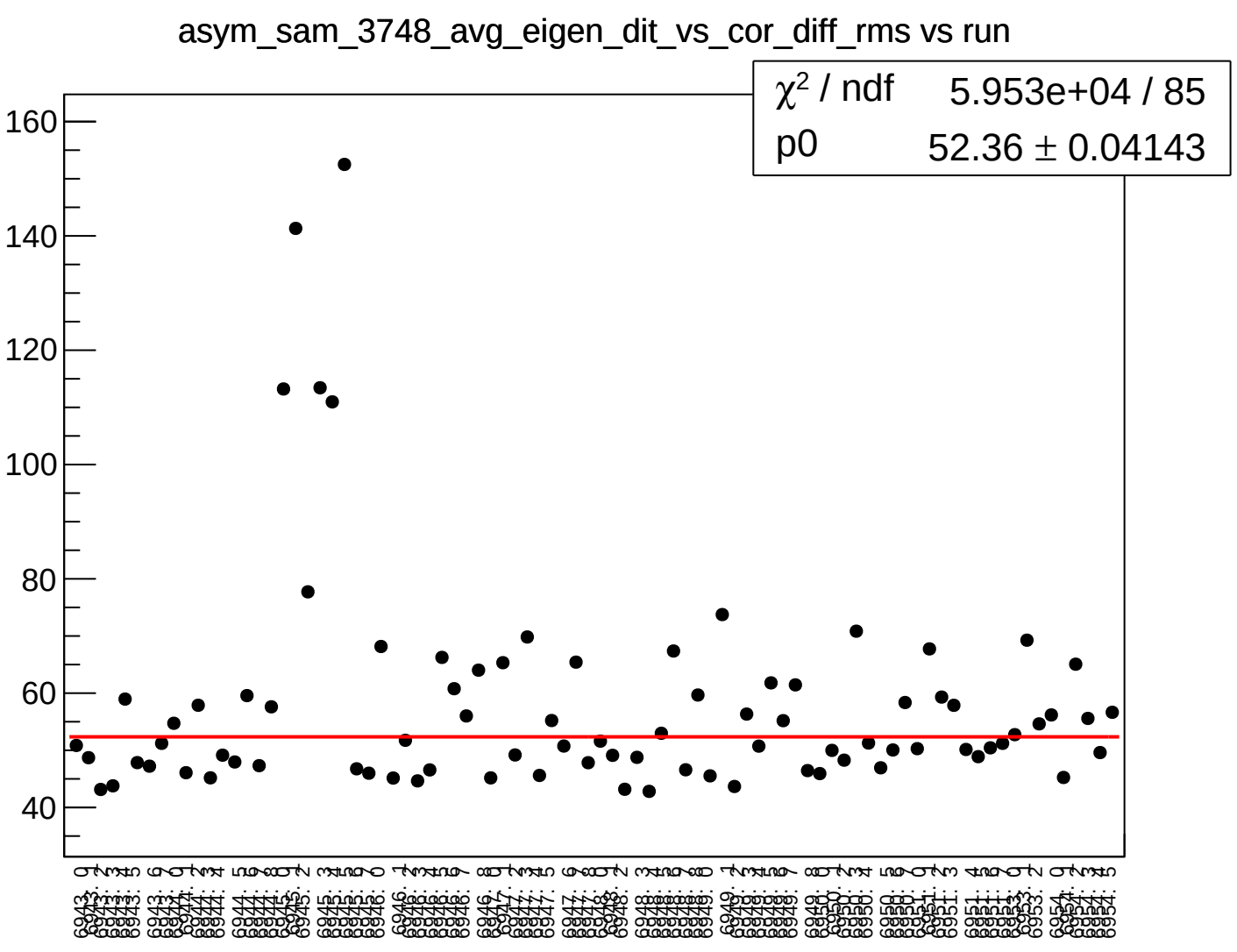

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.953e+04 / 85
p0 52.35 ± 0.04143
160
140
120
100
80
60
40

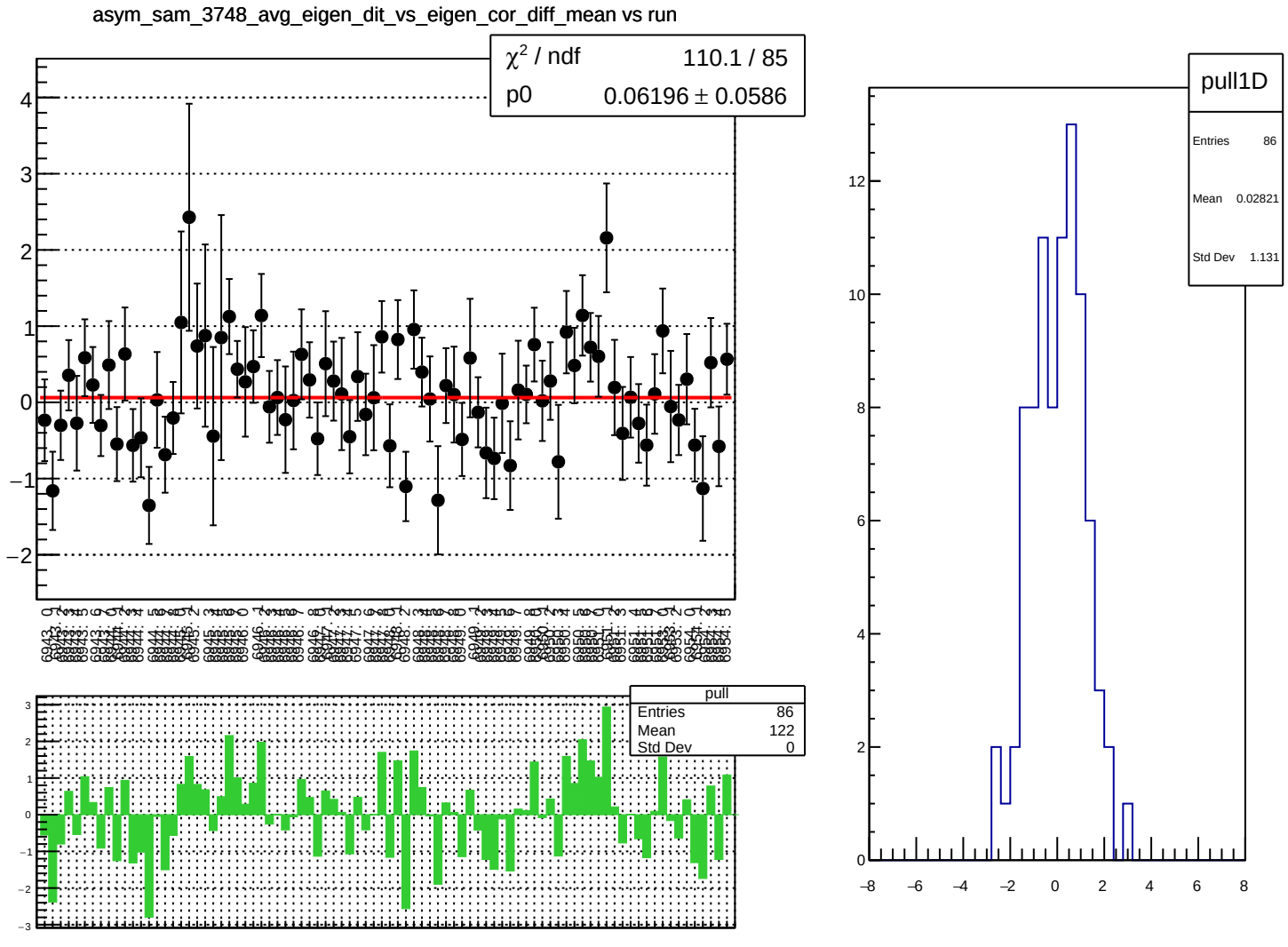

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.73 / 85
p0 8.956e−06 ± 3.36e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 291.6
Std Dev 0
2
1
0
−1
−2

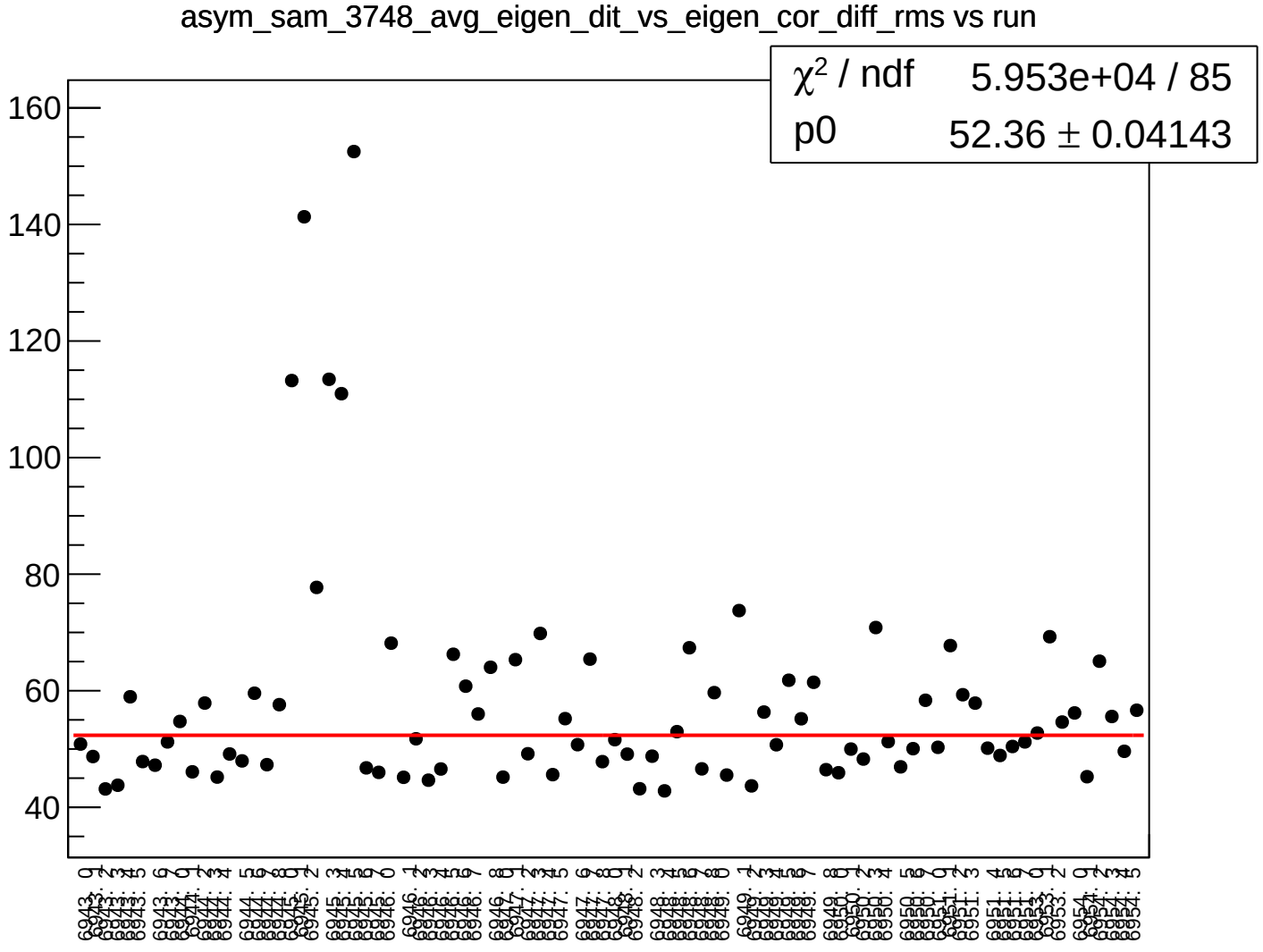

pull1D
Entries 86
Mean −0.01036
Std Dev 0.9808
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

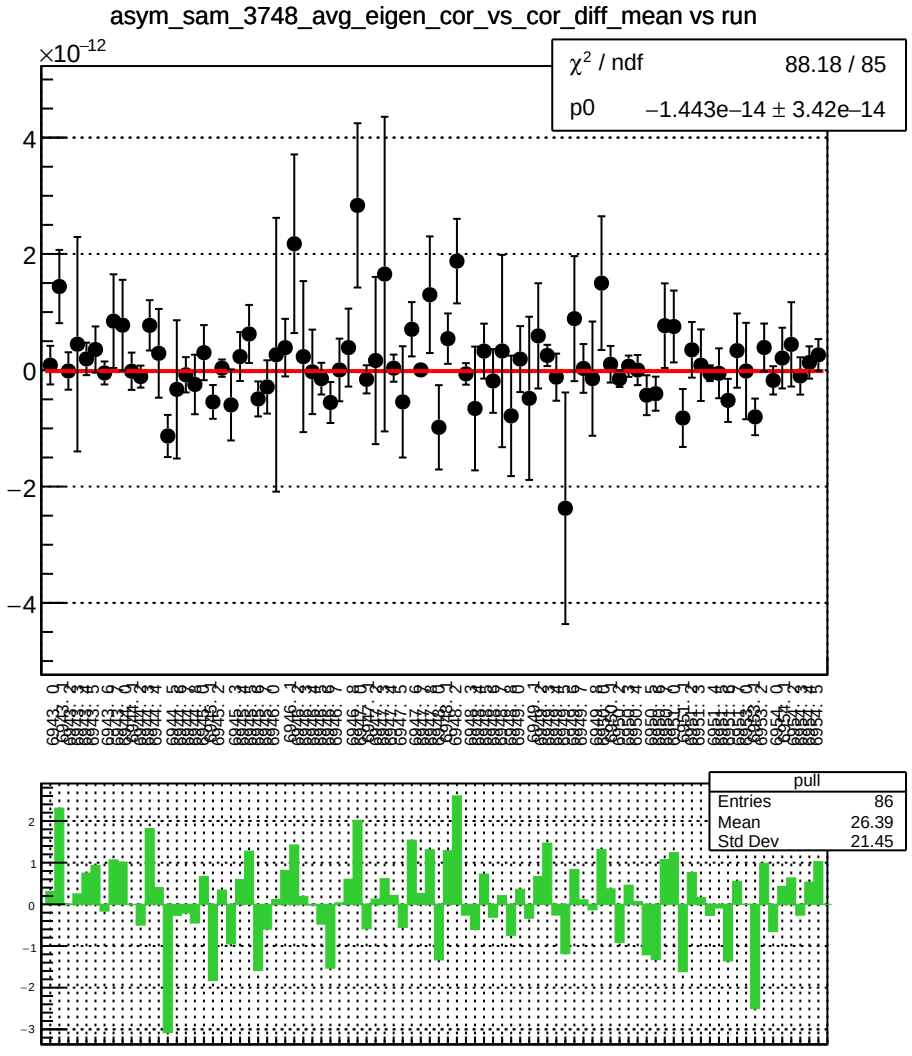

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9140 / 85
p0 0.003049 ± 2.376e−06
0.0036
0.0034
0.0032
0.003
0.0028

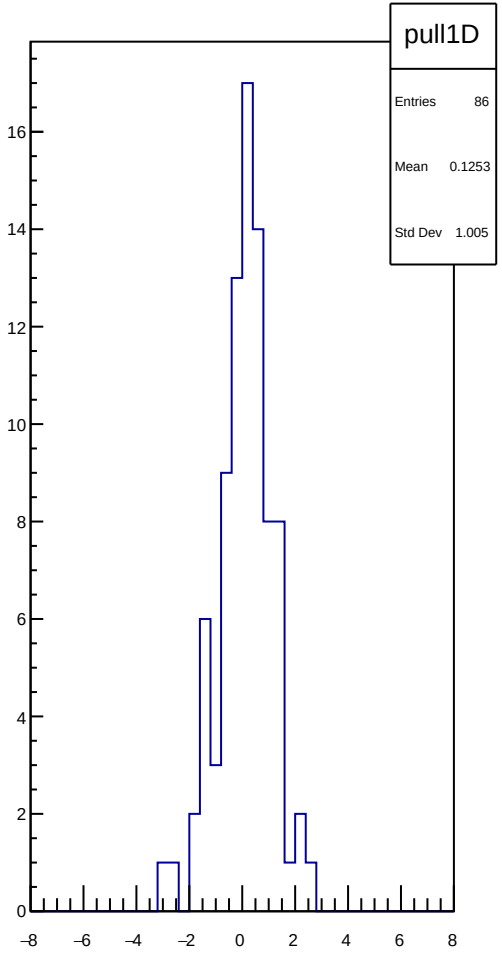

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 110.1 / 85
p0 0.06196 ± 0.0586
pull
Entries 86
Mean 122
Std Dev 0
pull1D
Entries 86
Mean 0.02821
Std Dev 1.131

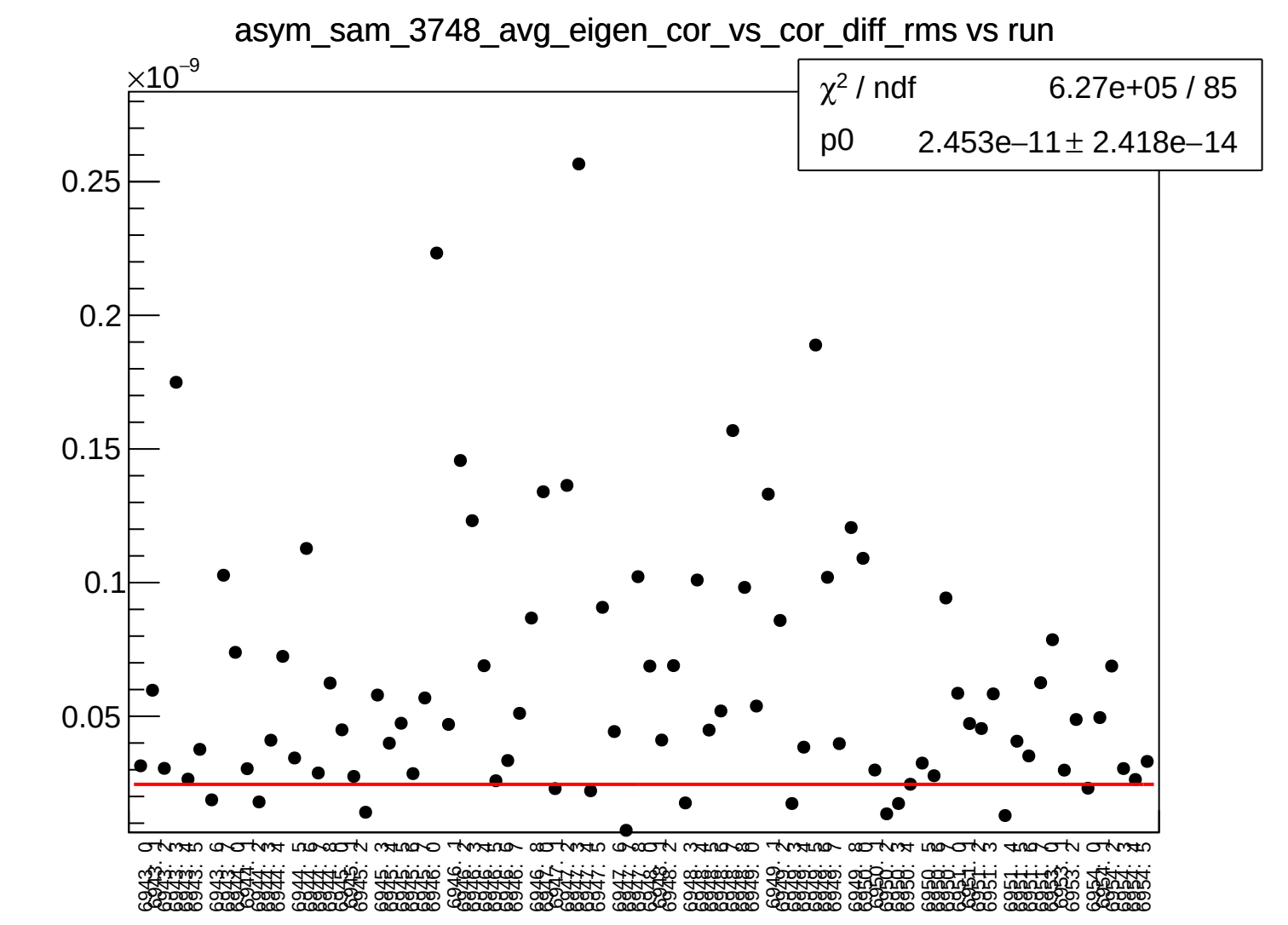

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.953e+04 / 85
p0 52.36 ± 0.04143
160
140
120
100
80
60
40

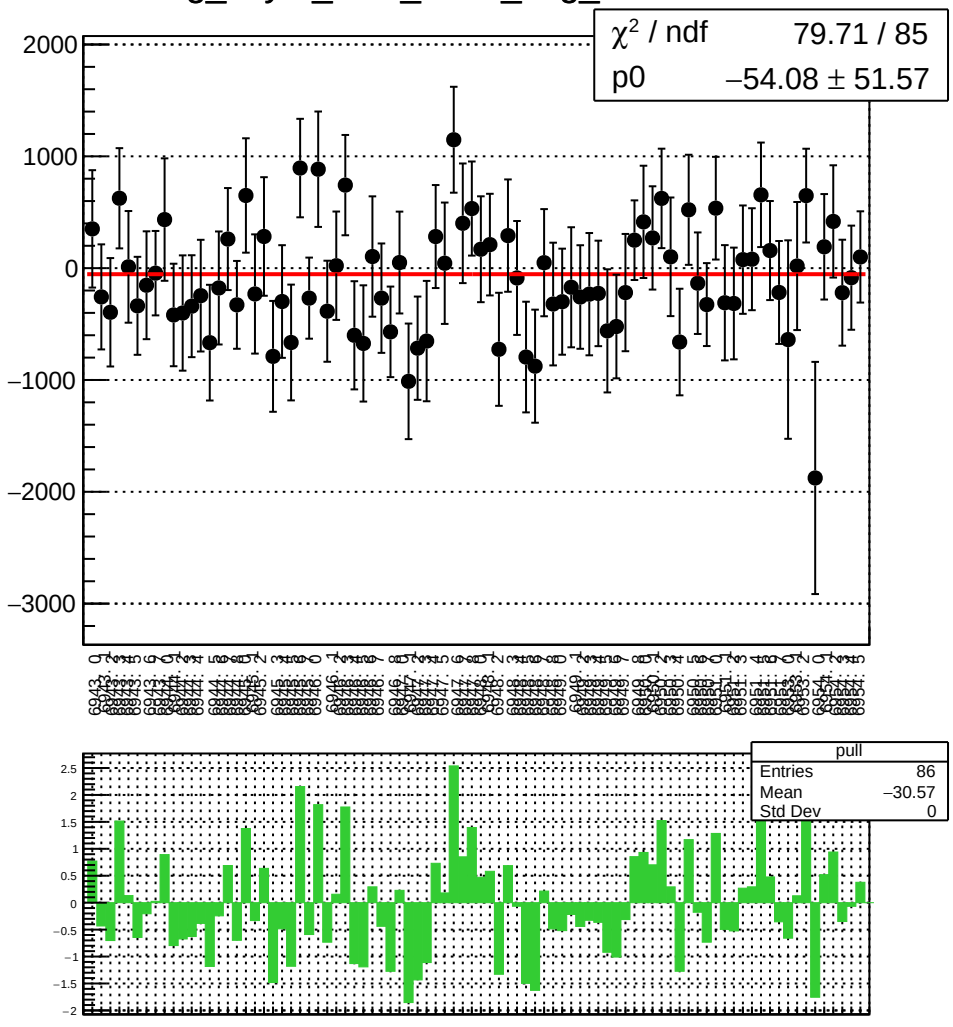

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.1 / 85
p0 0.06196 ± 0.0586
pull
Entries 86
Mean 122
Std Dev 0
pull1D
Entries 86
Mean 0.02821
Std Dev 1.131

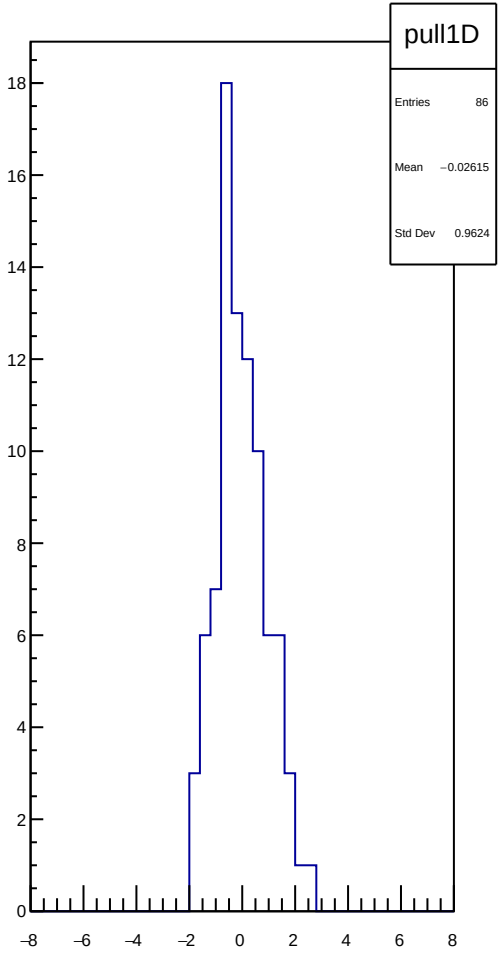

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.953e+04 / 85
p0 52.36 ± 0.04143
160
140
120
100
80
60
40

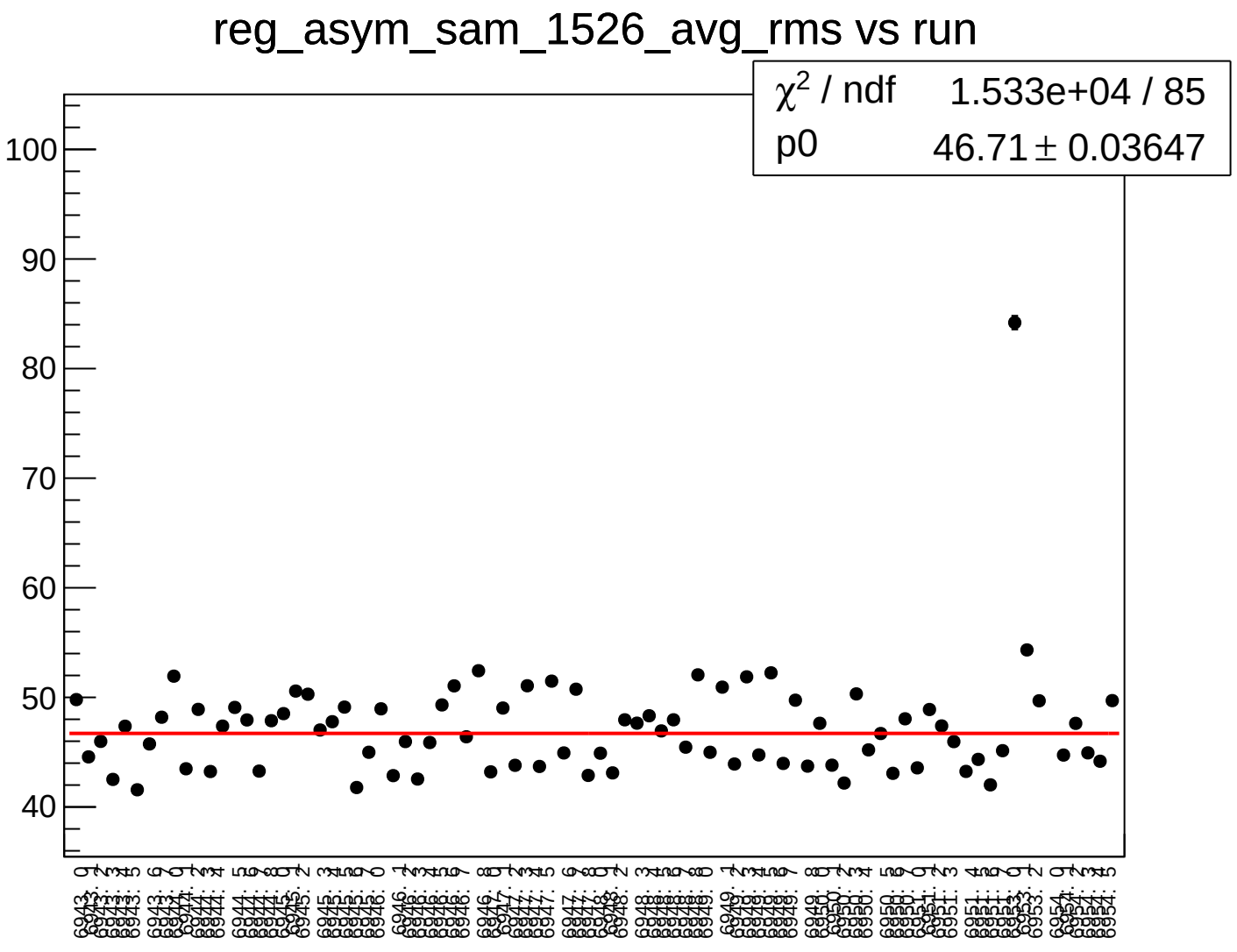

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.18 / 85
p0 −1.443e−14 ± 3.42e−14
pull
Entries 86
Mean 26.39
Std Dev 21.45

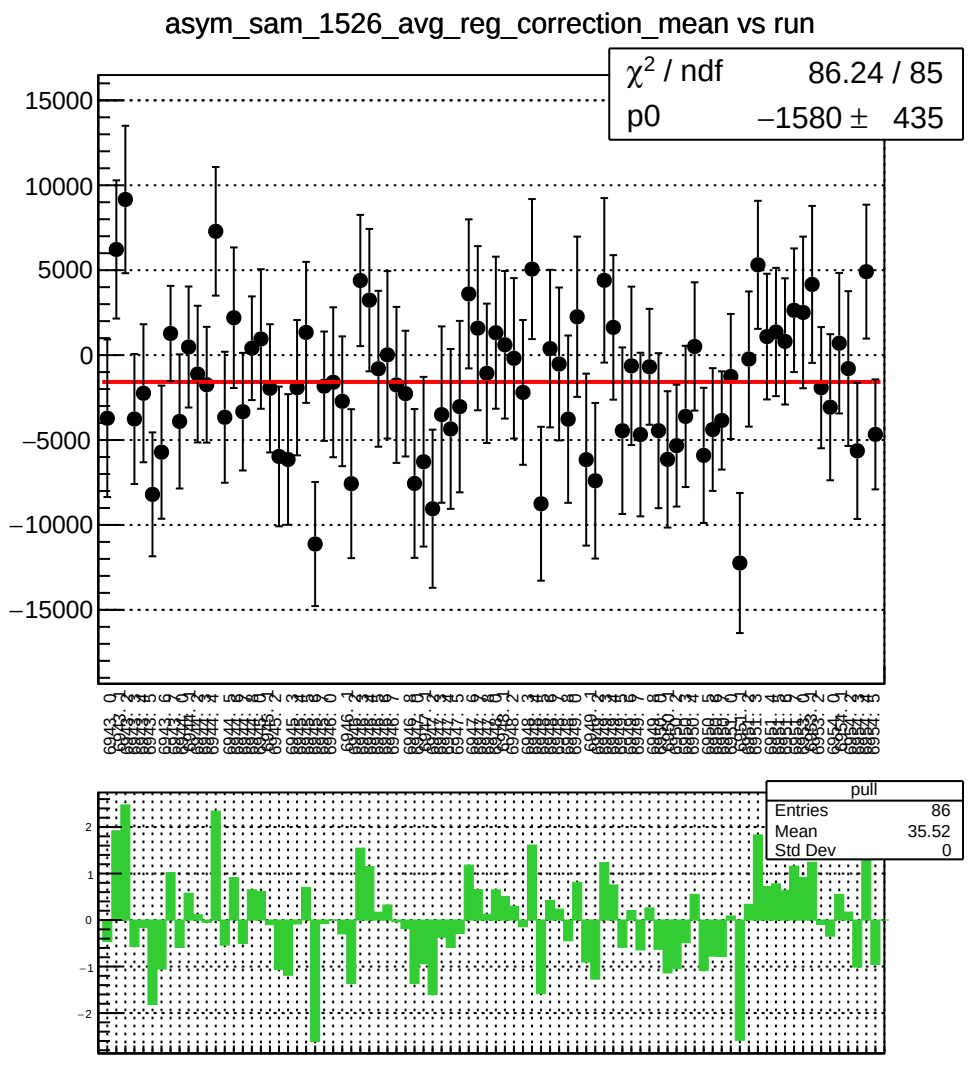

pull1D
Entries 86
Mean 0.1253
Std Dev 1.005

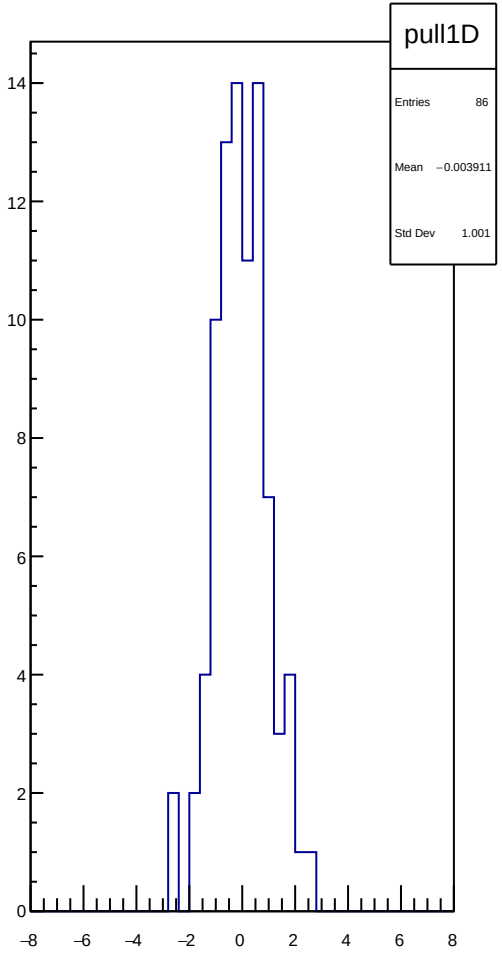

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.27e+05 / 85
p0 2.453e−11 ± 2.418e−14
0.25
0.2
0.15
0.1
0.05

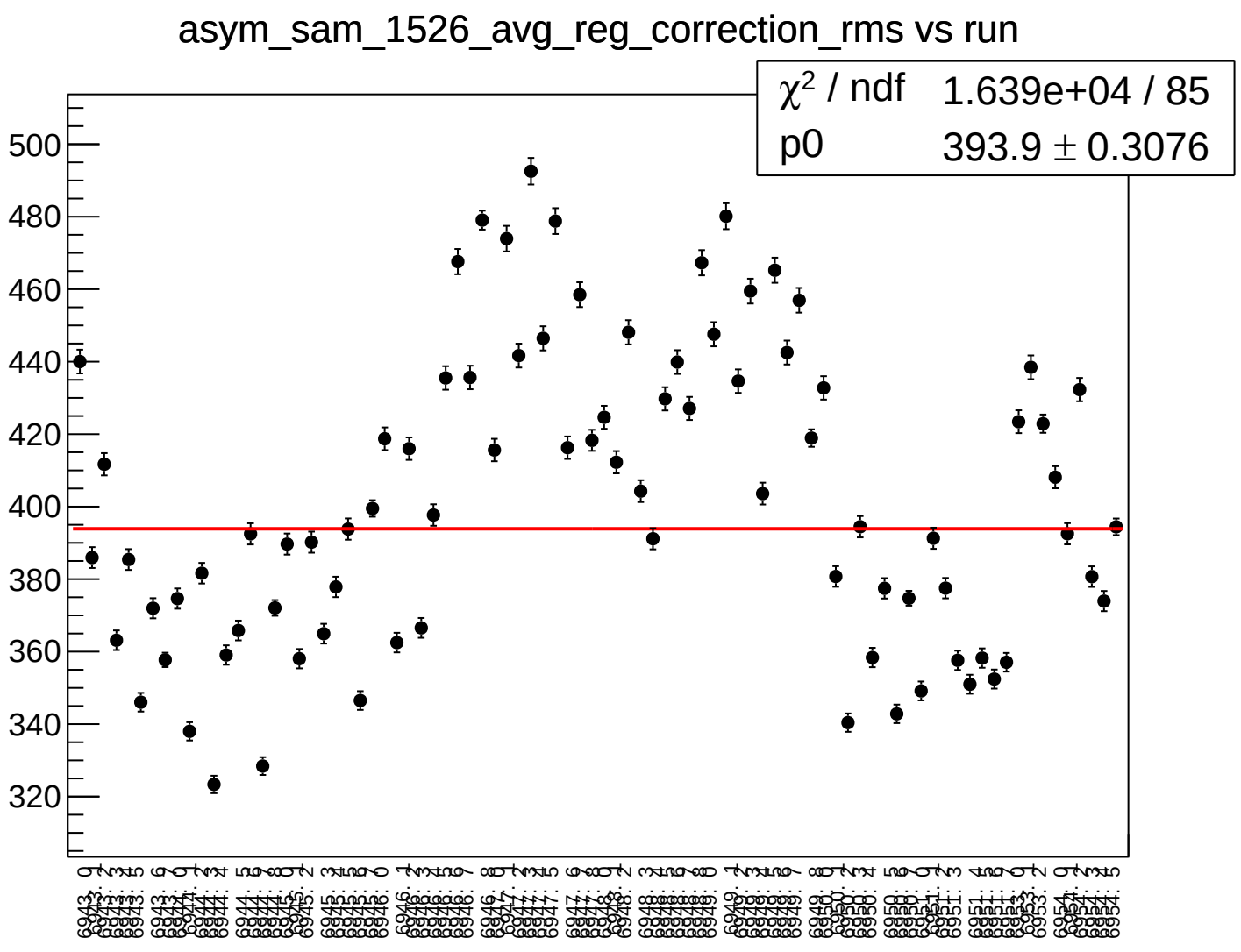

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 79.71 / 85
p0 −54.08 ± 51.57
pull
Entries 86
Mean −30.57
Std Dev 0

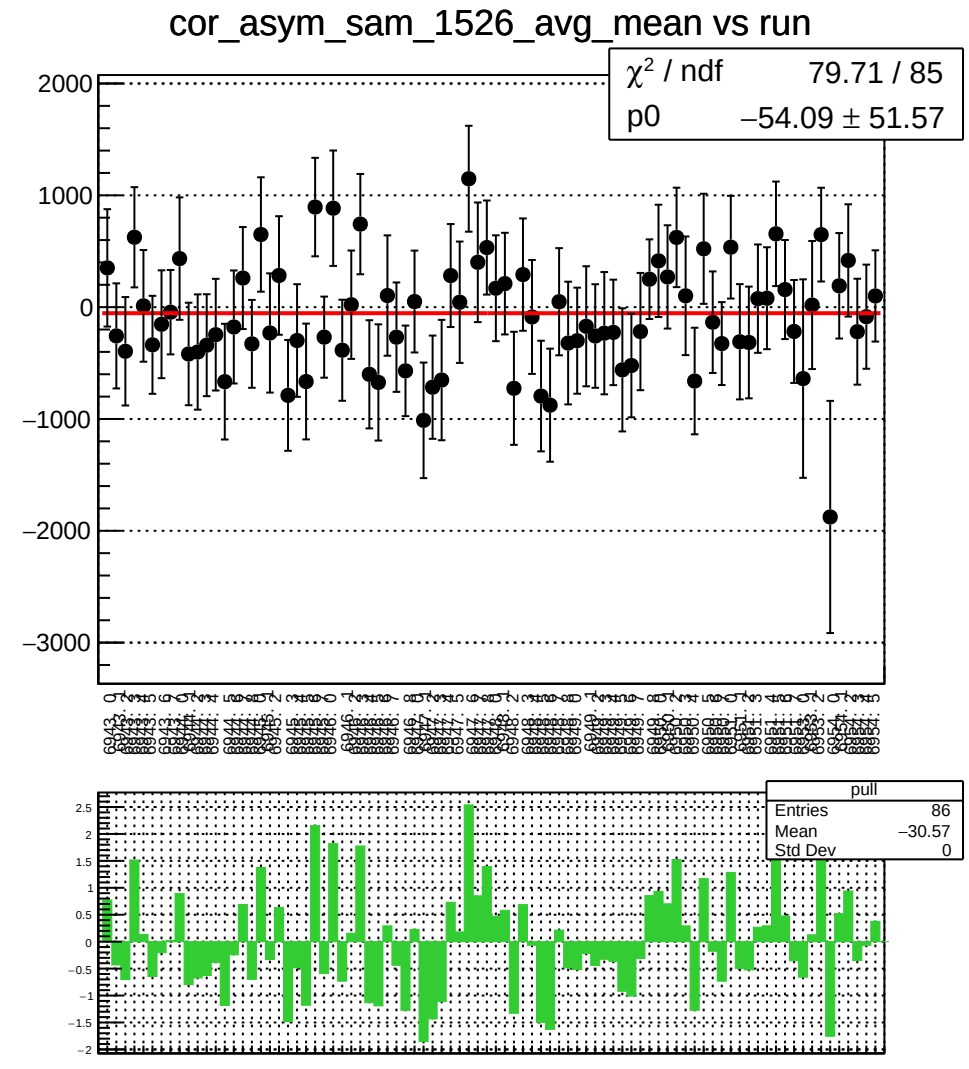

pull1D
Entries 86
Mean −0.02615
Std Dev 0.9624

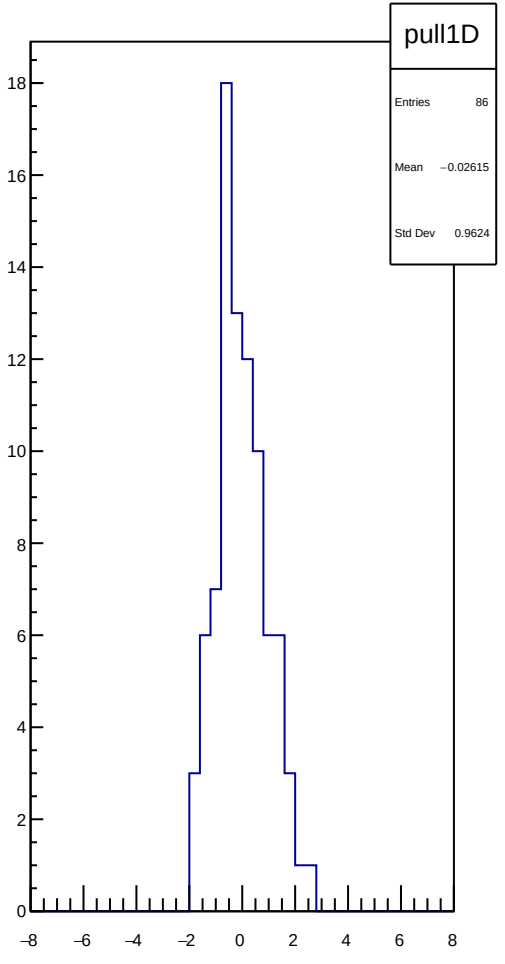

reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.533e+04 / 85
p0 46.71 ± 0.03647
100
90
80
70
60
50
40

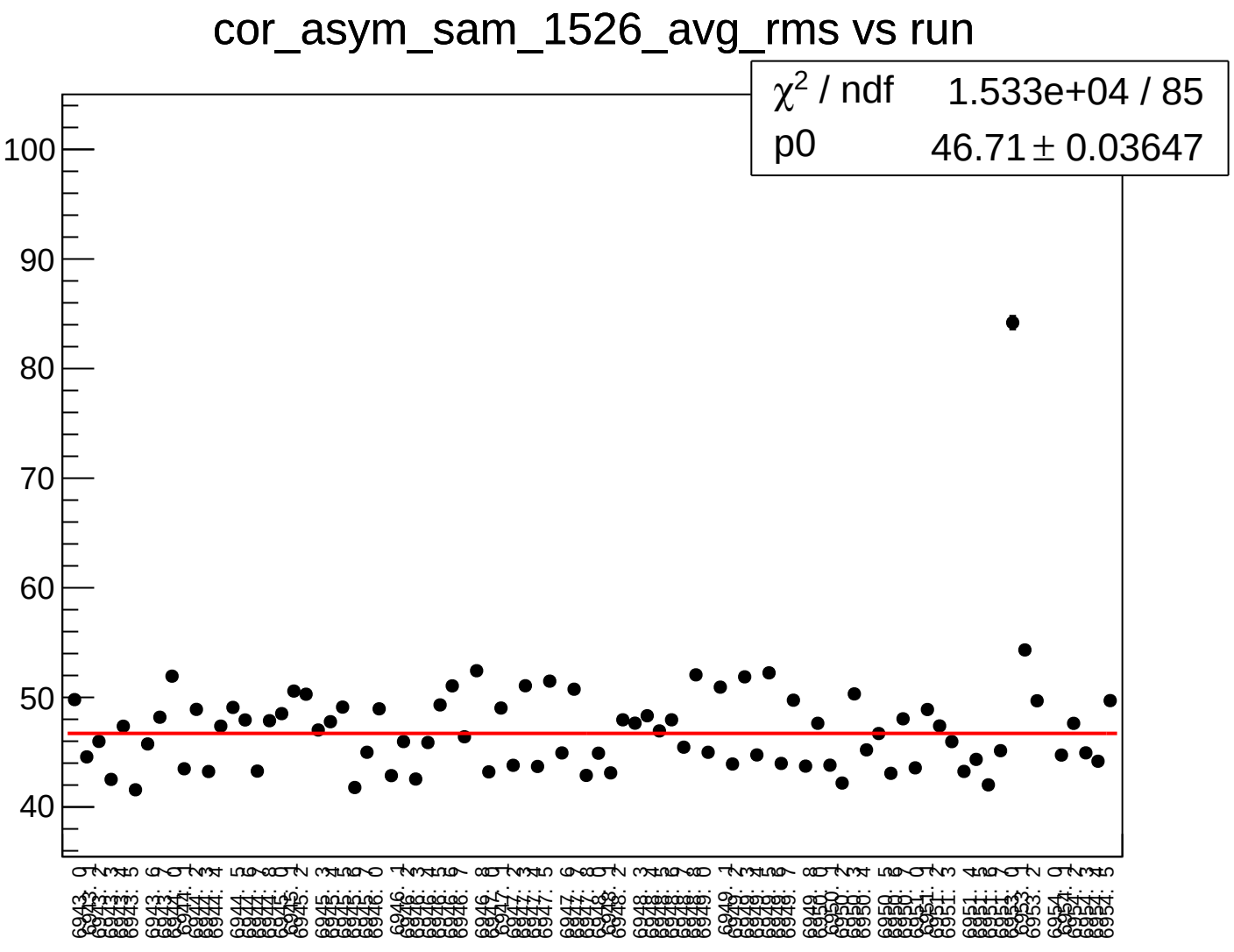

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −1580 ± 435
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 35.52
Std Dev 0
2
1
0
−1
−2

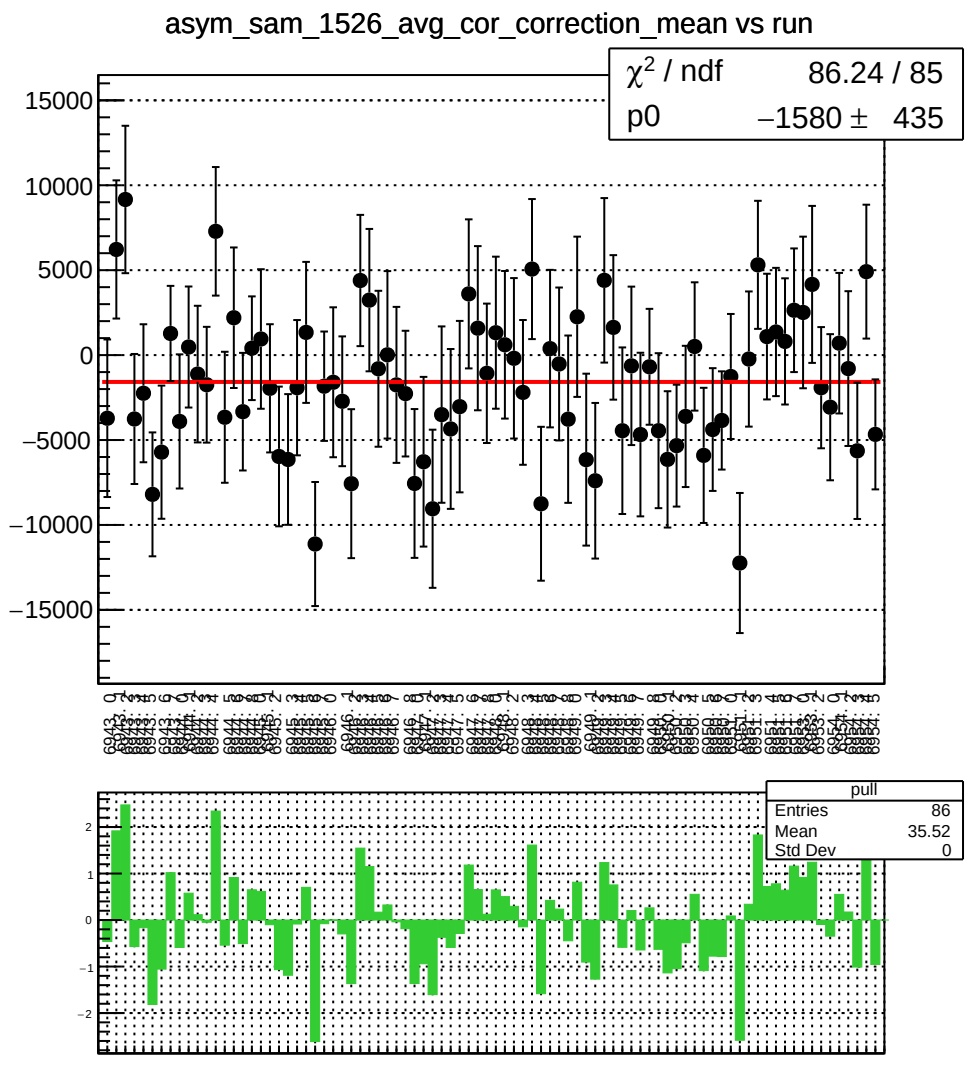

pull1D
Entries 86
Mean −0.003911
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

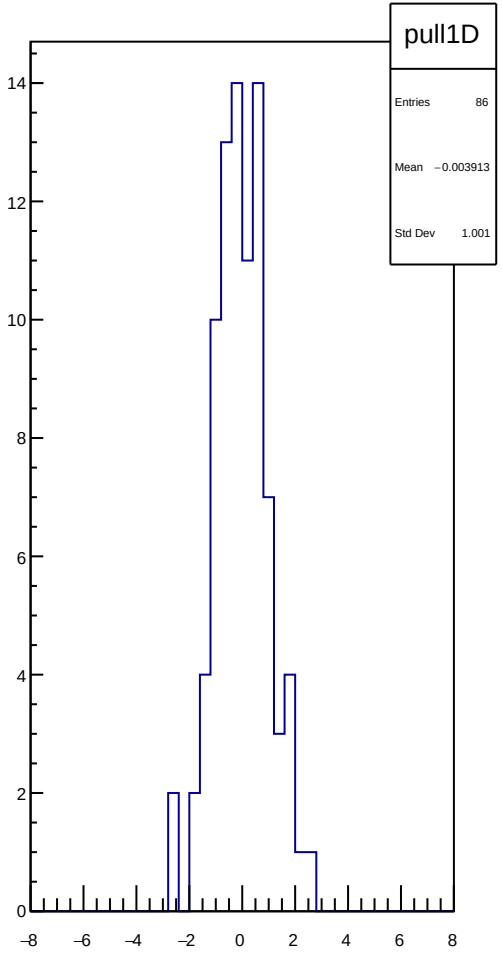

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1.639e+04 / 85
p0 393.9 ± 0.3076
500
480
460
440
420
400
380
360
340
320

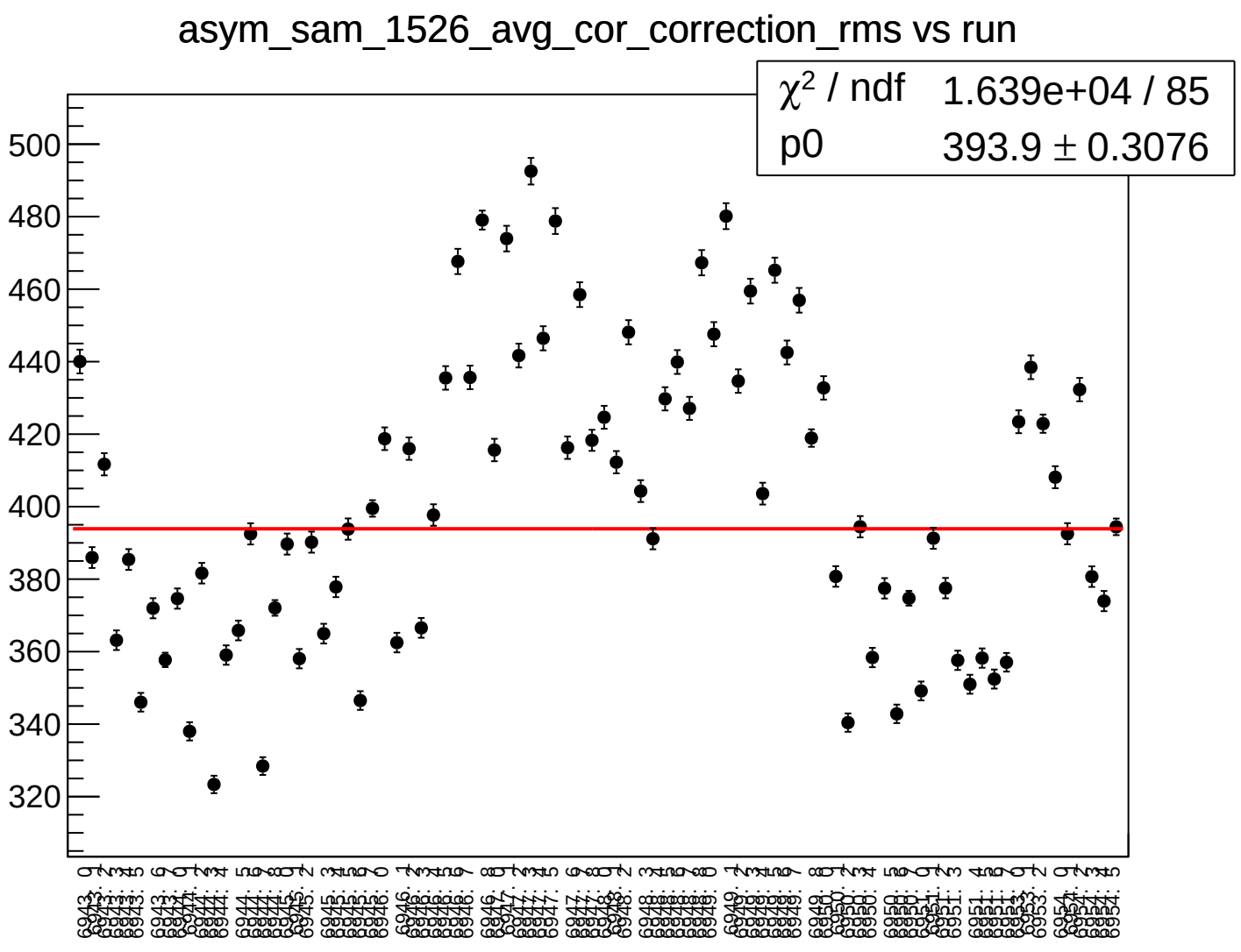

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 79.71 / 85
p0 −54.09 ± 51.57
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −30.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

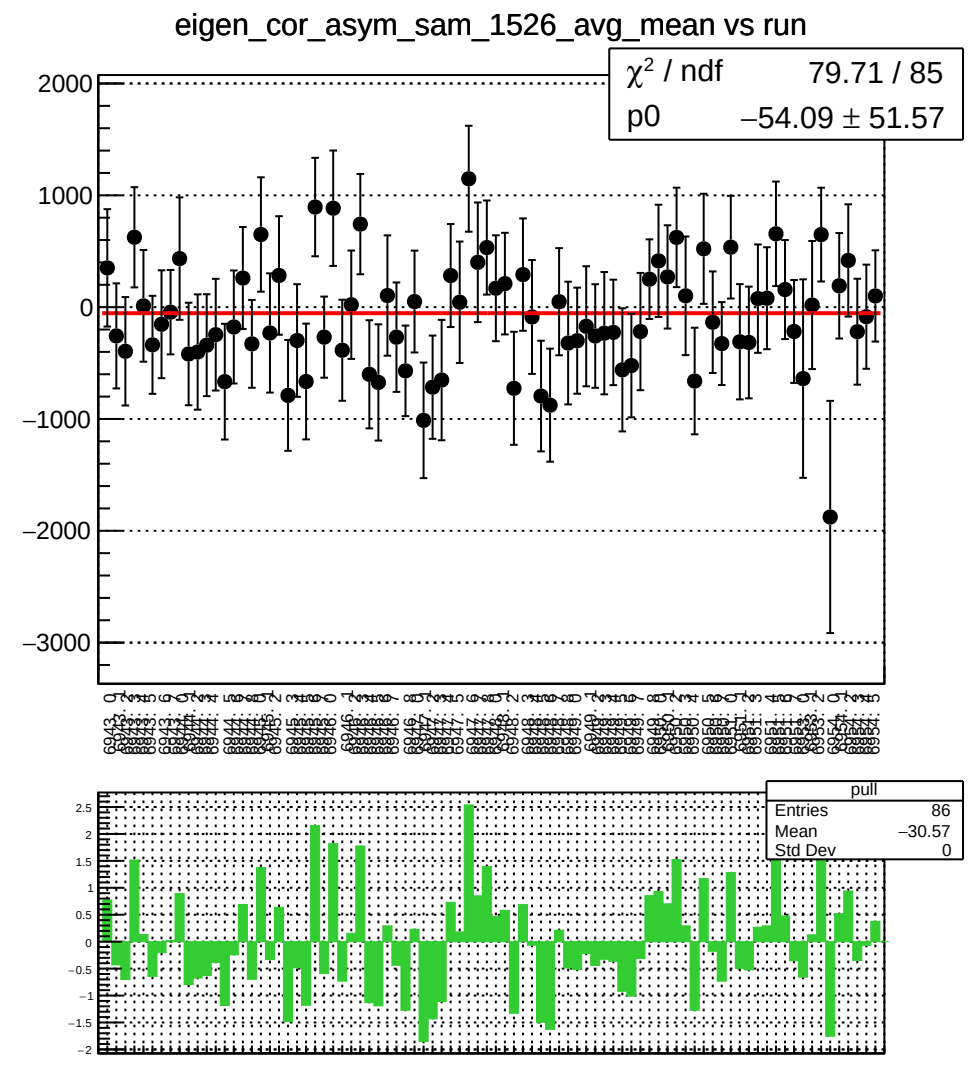

pull1D
Entries 86
Mean −0.02615
Std Dev 0.9624
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

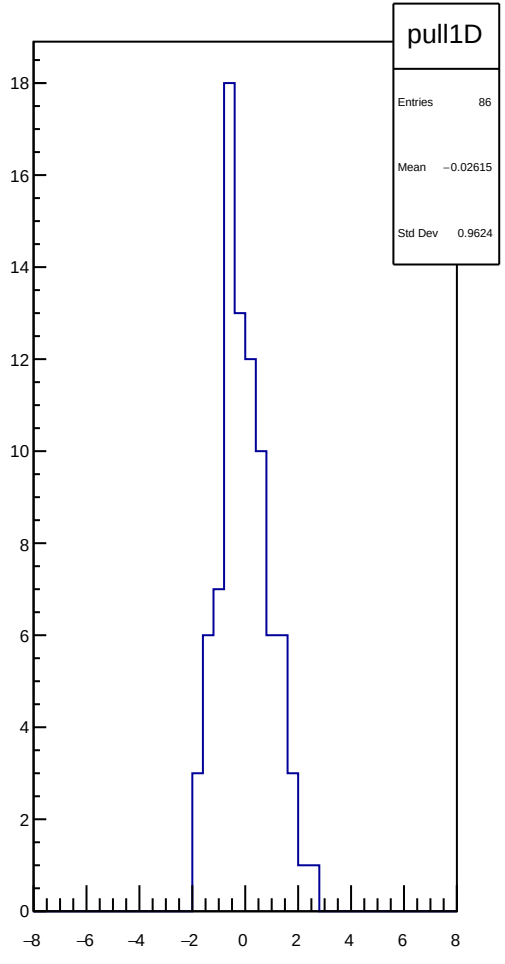

cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.533e+04 / 85
p0 46.71 ± 0.03647
100
90
80
70
60
50
40

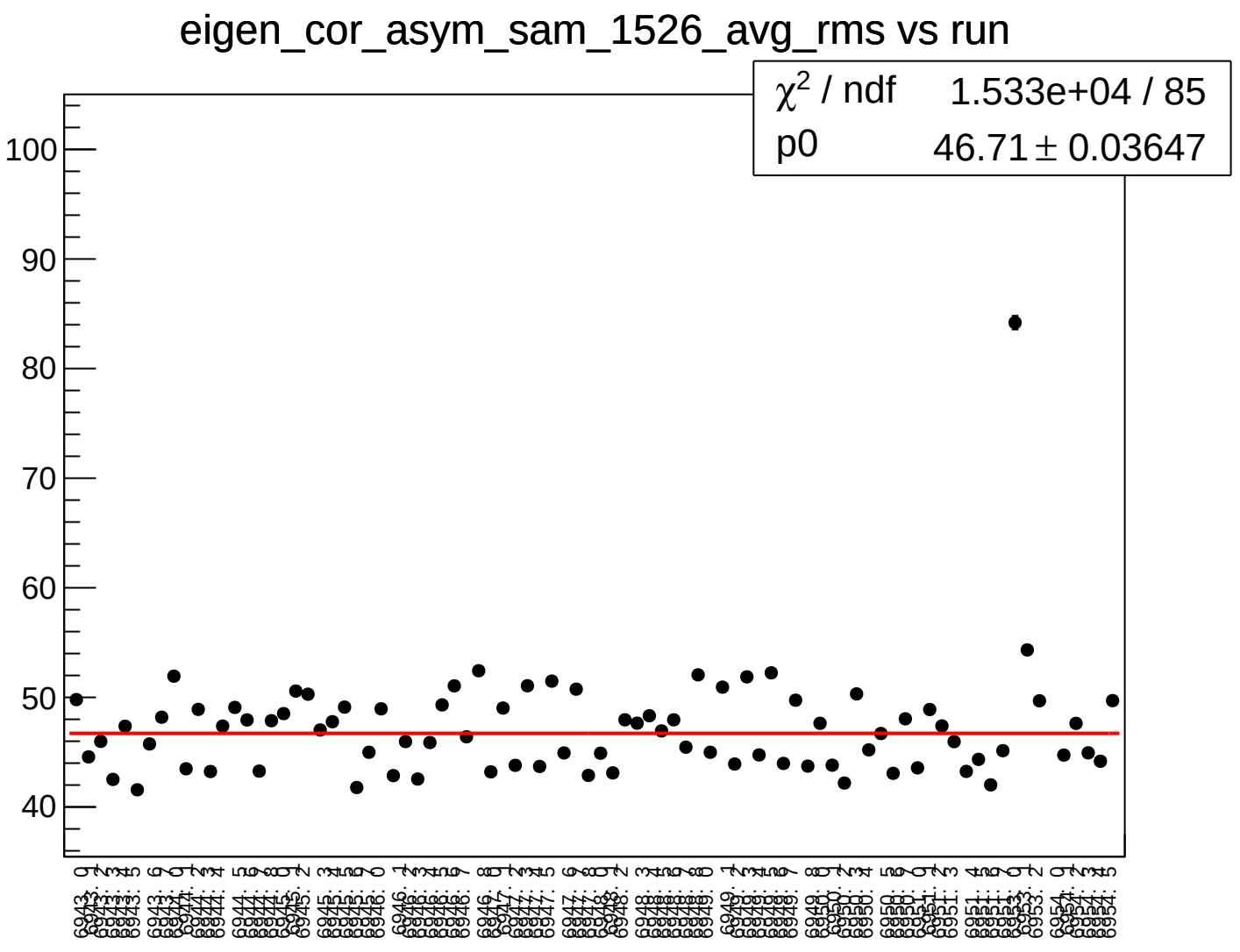

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −1580 ± 435
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 35.52
Std Dev 0
2
1
0
−1
−2

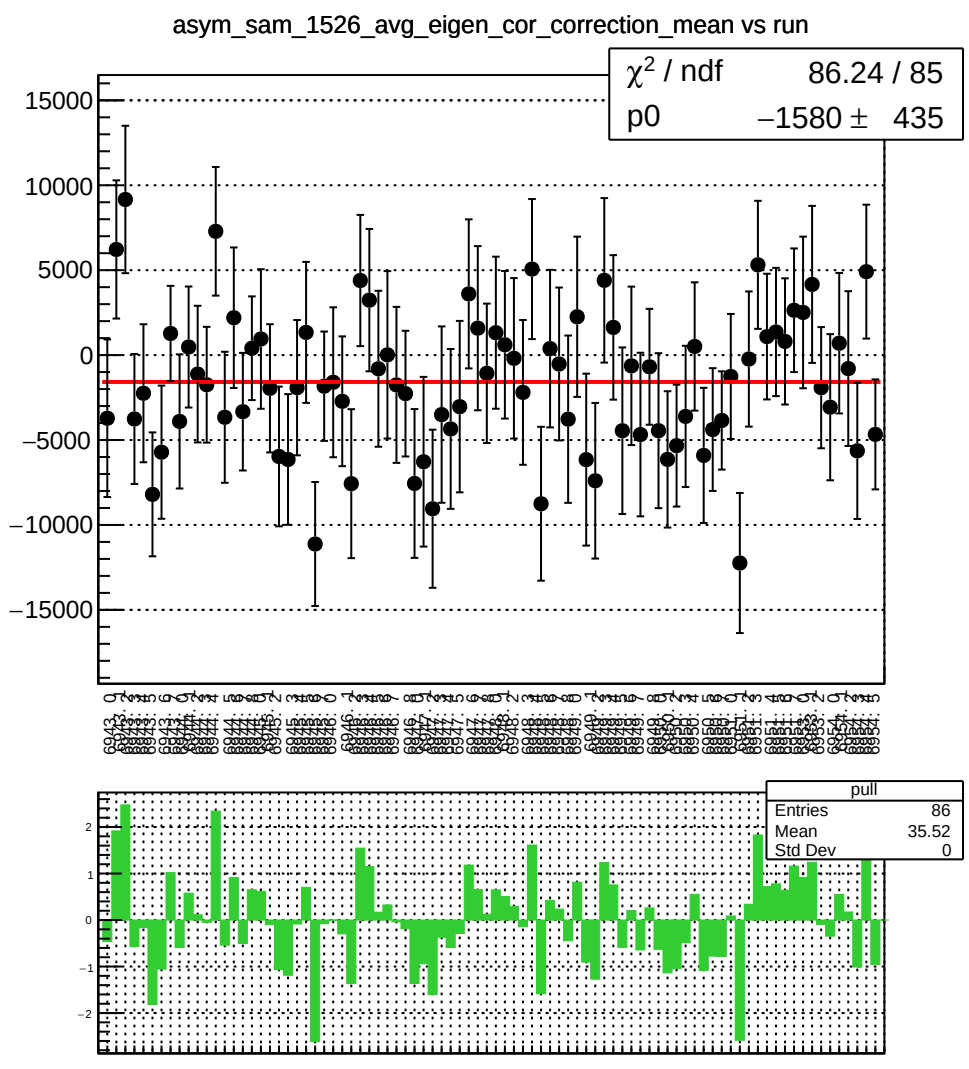

pull1D
Entries 86
Mean −0.003913
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

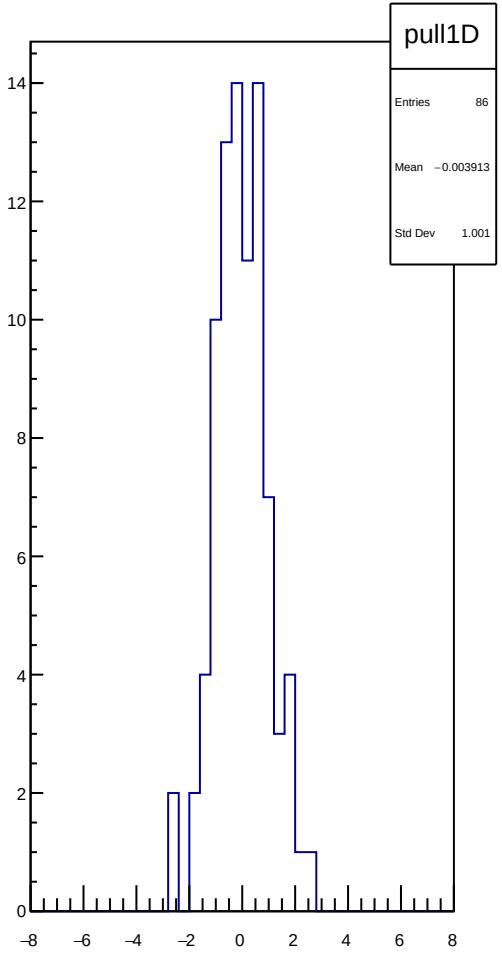

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1.639e+04 / 85
p0 393.9 ± 0.3076
500
480
460
440
420
400
380
360
340
320

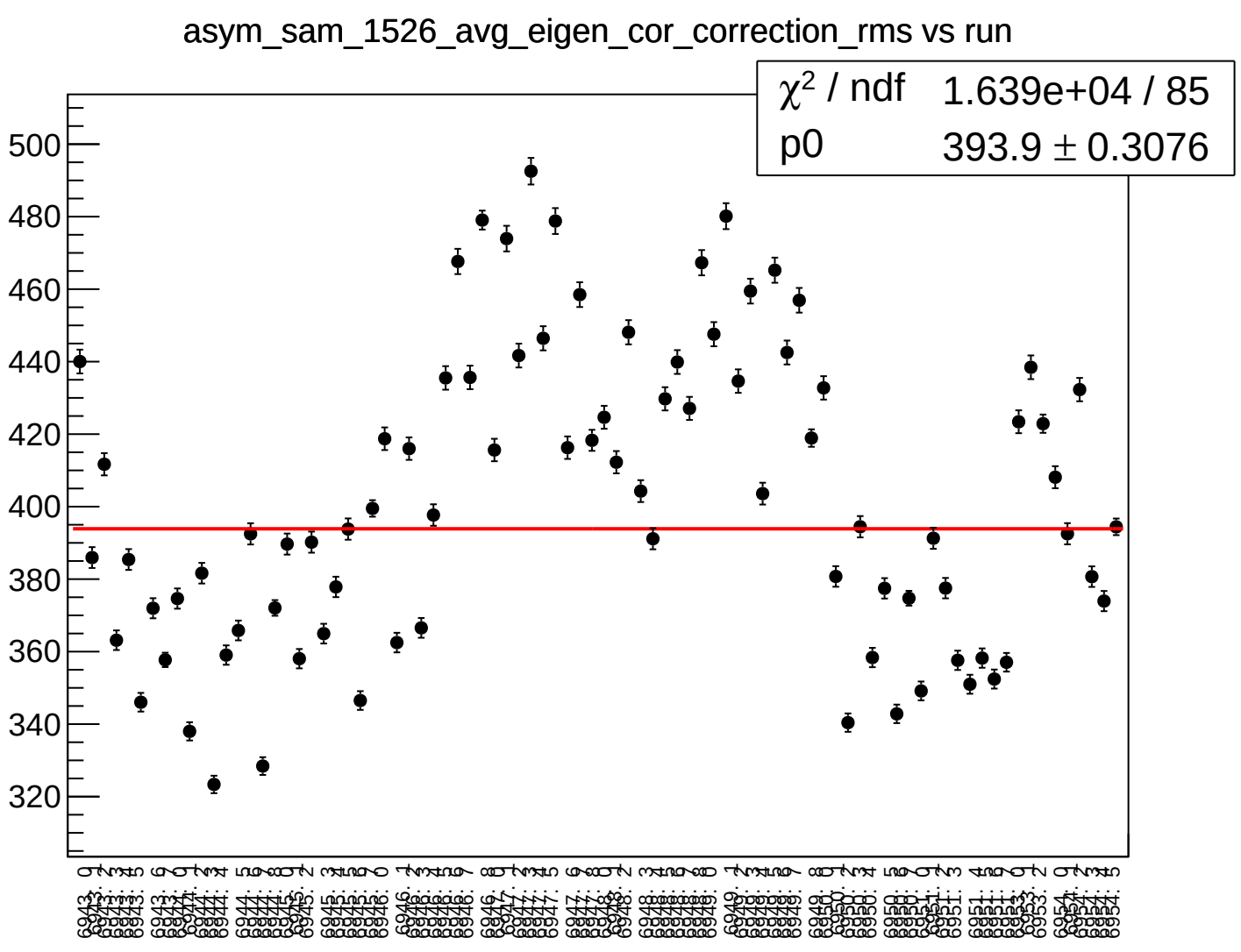

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 79.71 / 85
p0 −54.09 ± 51.57
pull
Entries 86
Mean −30.57
Std Dev 0

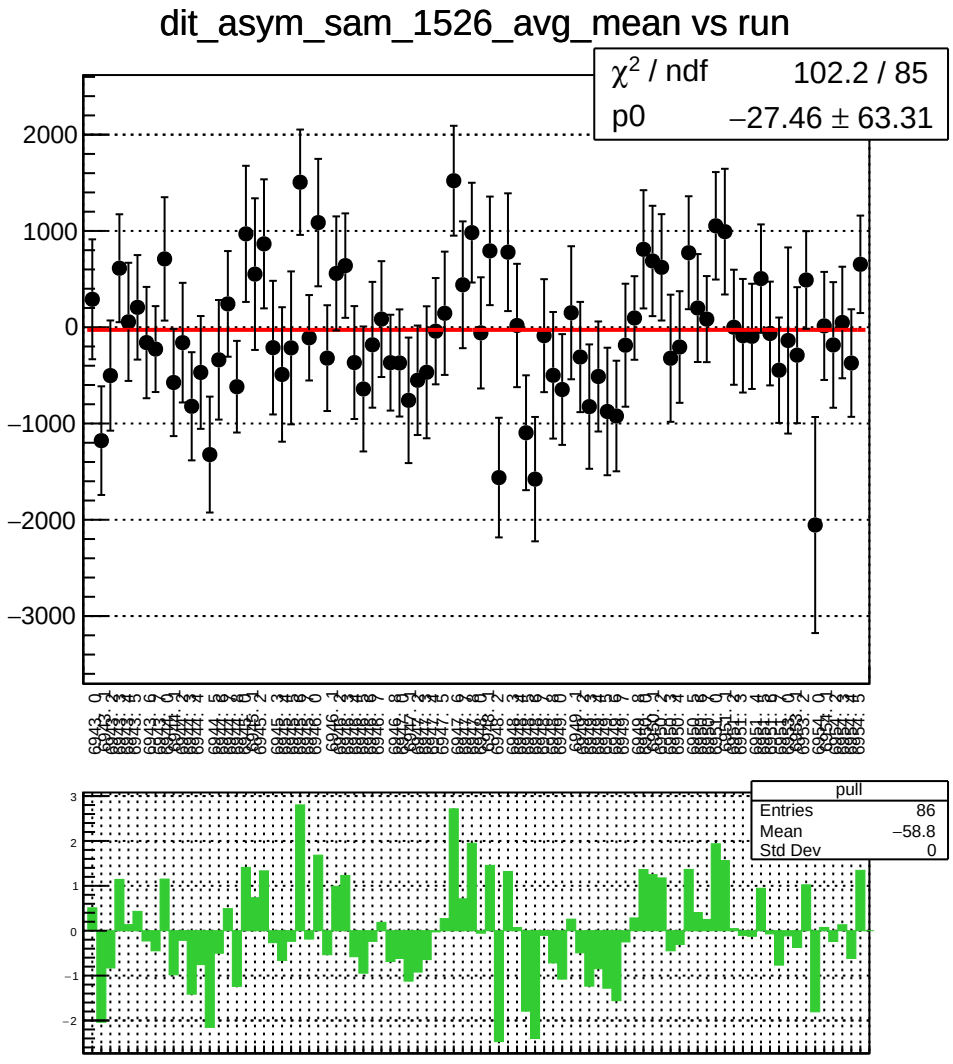

pull1D
Entries 86
Mean −0.02615
Std Dev 0.9624

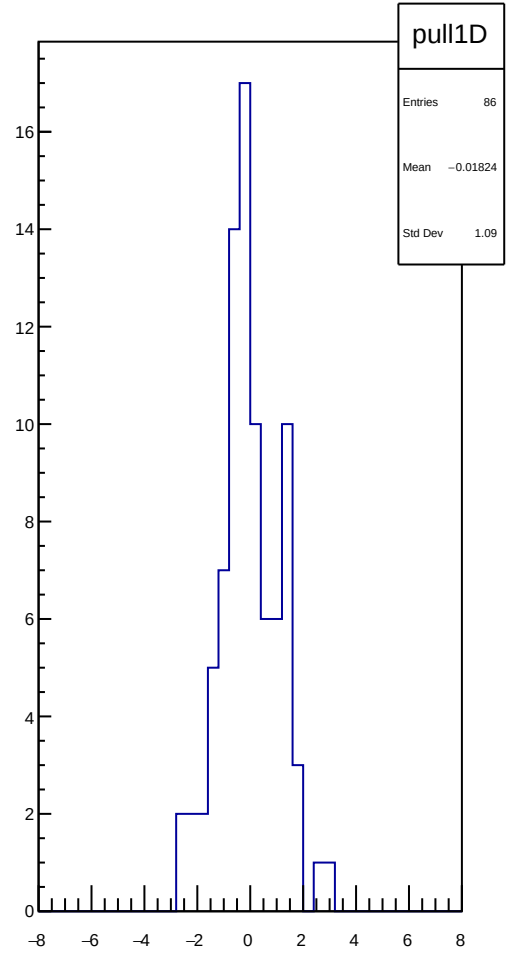

eigen_cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.533e+04 / 85
p0 46.71 ± 0.03647
100
90
80
70
60
50
40

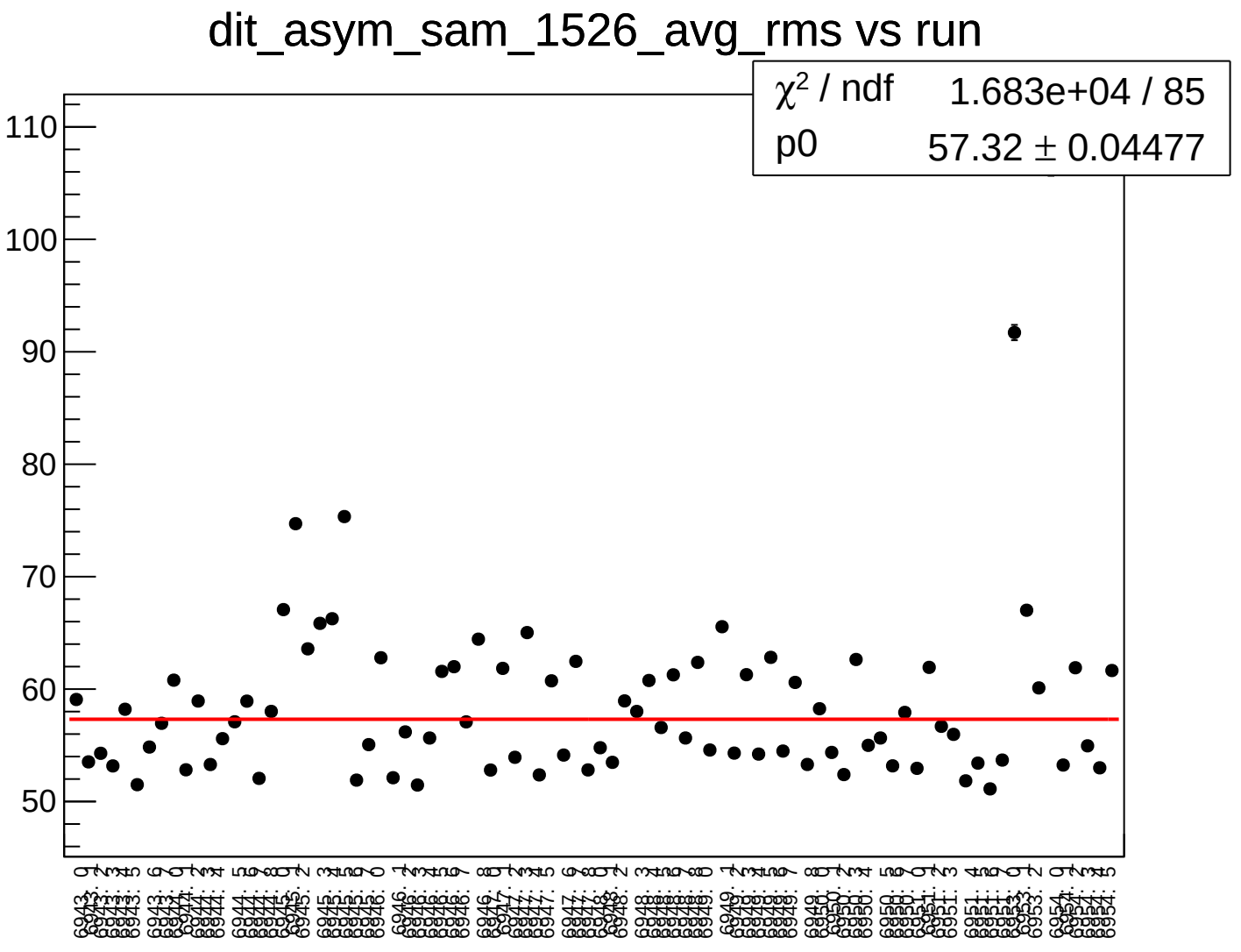

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 86.24 / 85
p0 −1580 ± 435
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 35.52
Std Dev 0
2
1
0
−1
−2

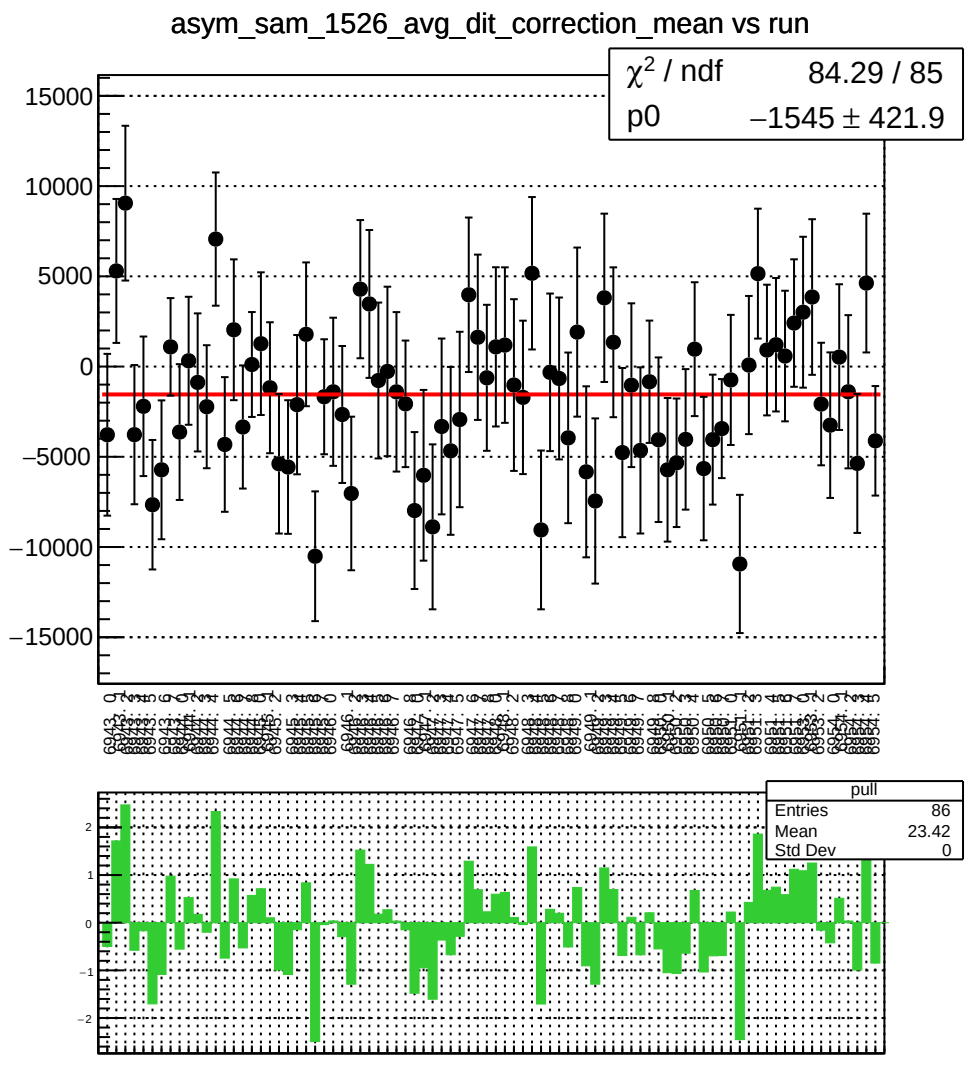

pull1D
Entries 86
Mean −0.003913
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

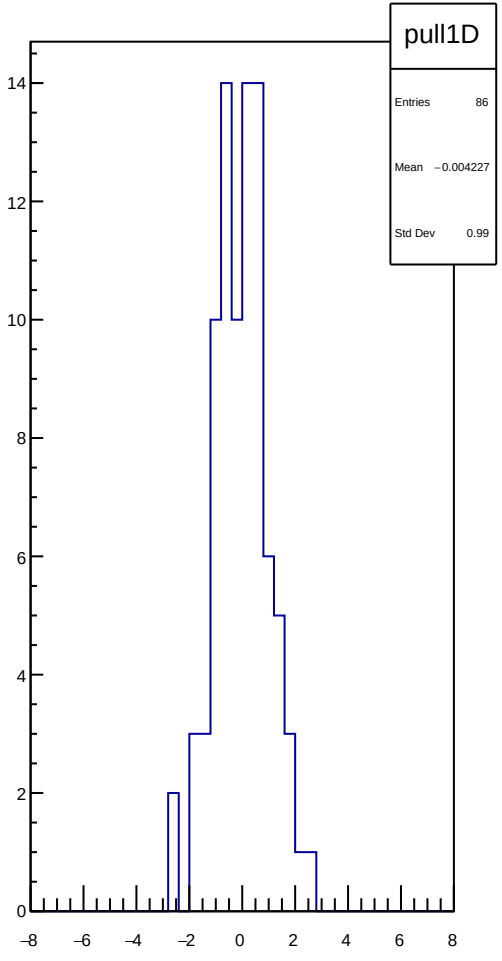

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.639e+04 / 85
p0 393.9 ± 0.3076
500
480
460
440
420
400
380
360
340
320

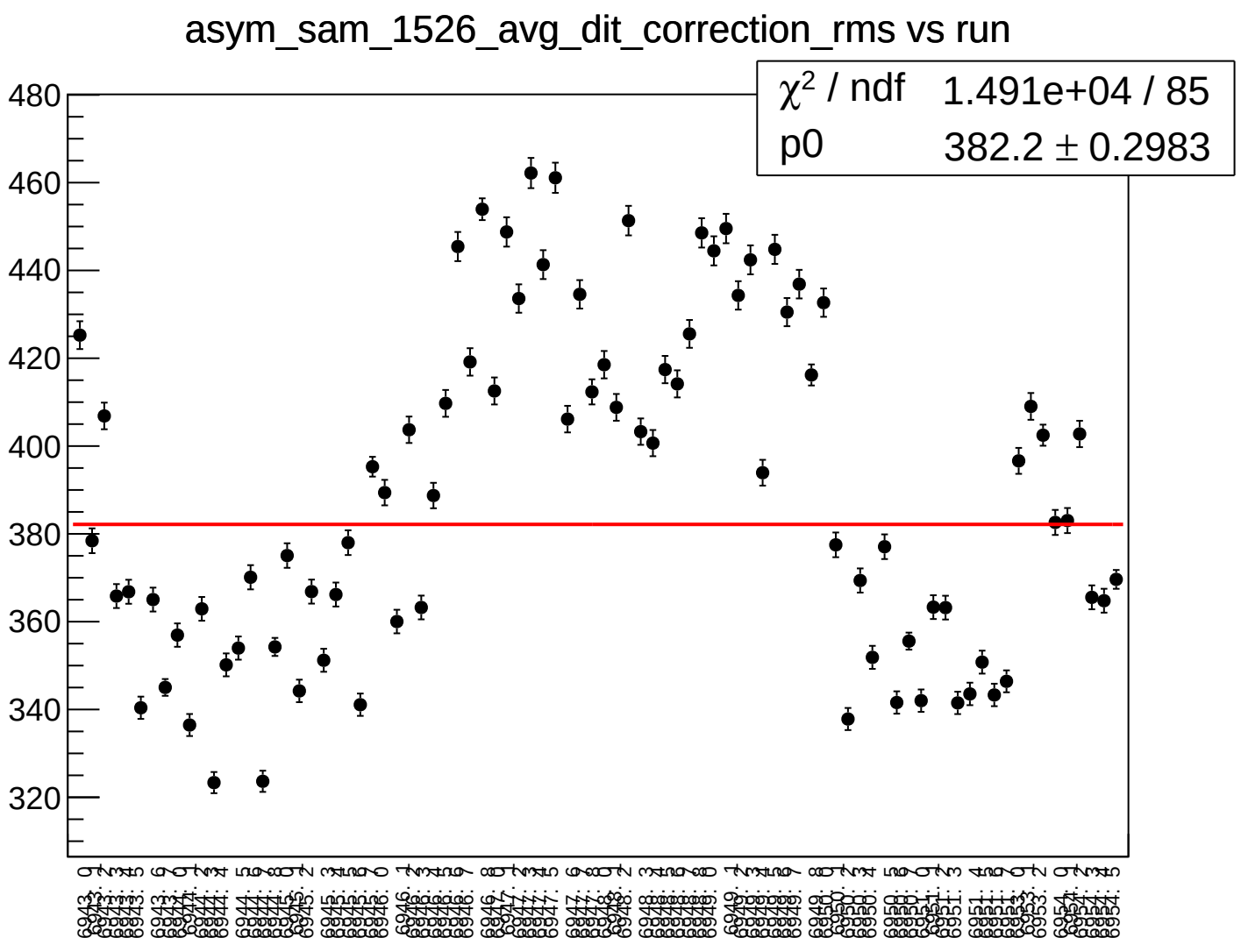

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 102.2 / 85
p0 −27.46 ± 63.31
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −58.8
Std Dev 0
3
2
1
0
−1
−2

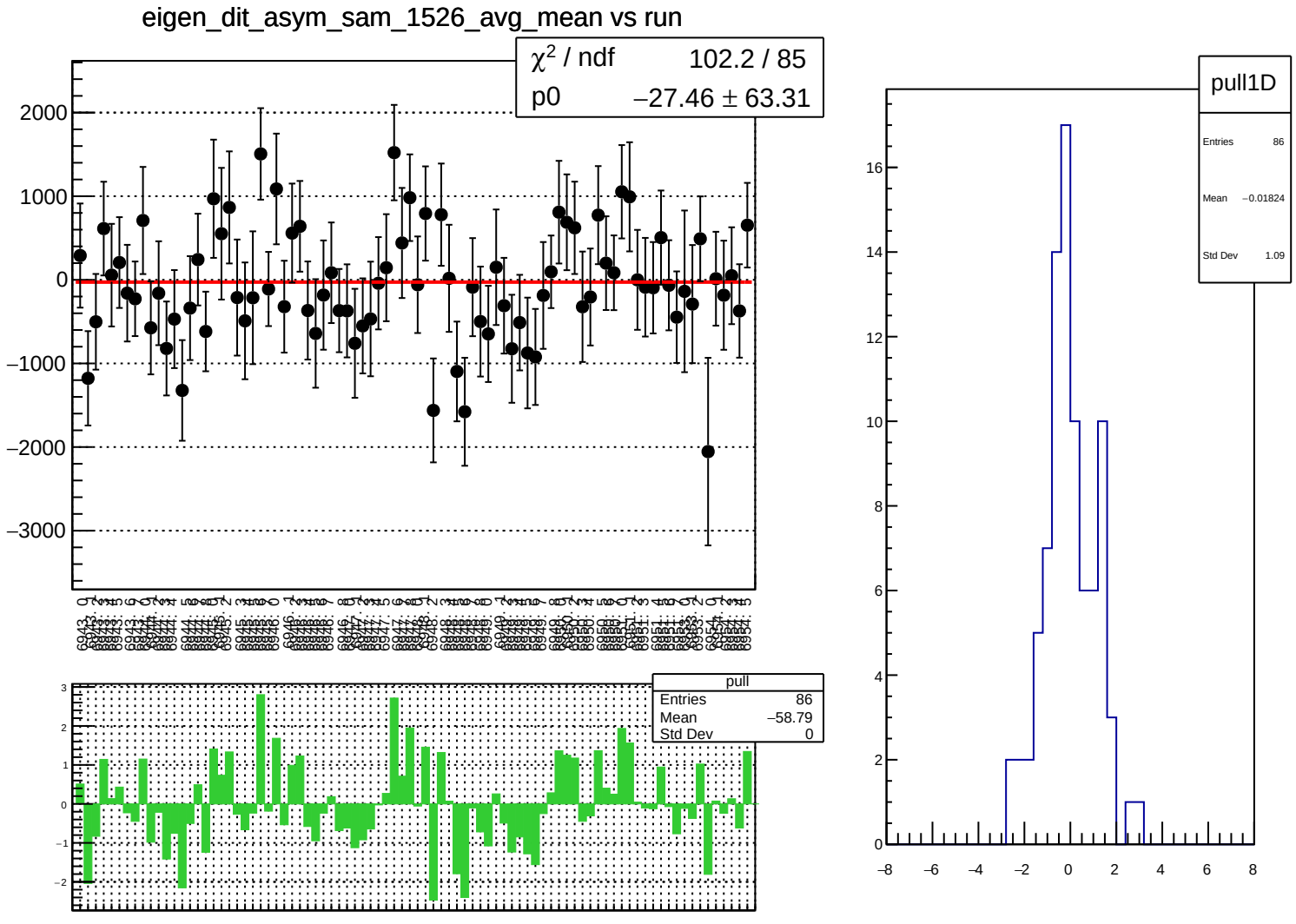

pull1D
Entries 86
Mean −0.01824
Std Dev 1.09
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

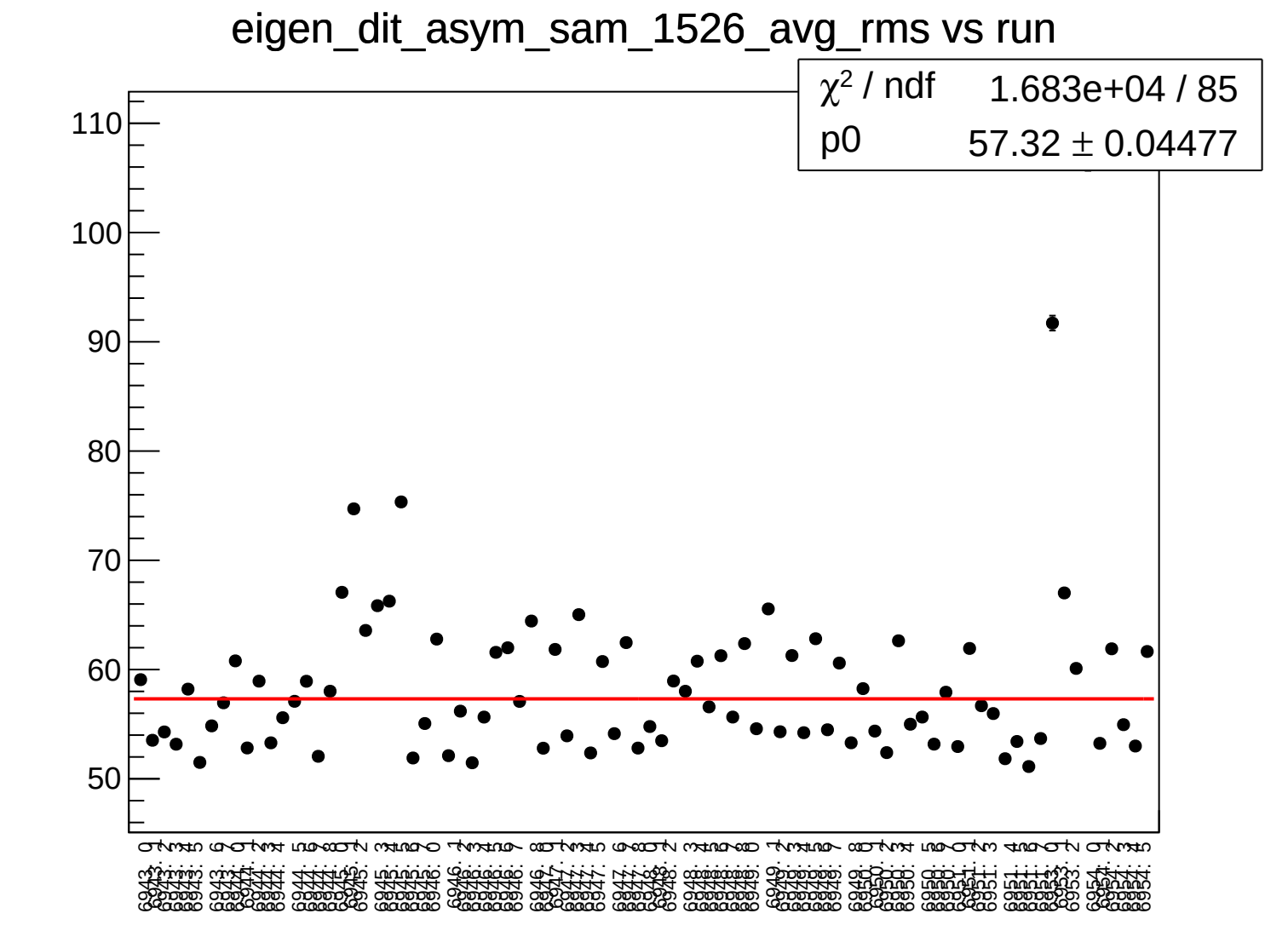

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.683e+04 / 85
p0 57.32 ± 0.04477
110
100
90
80
70
60
50

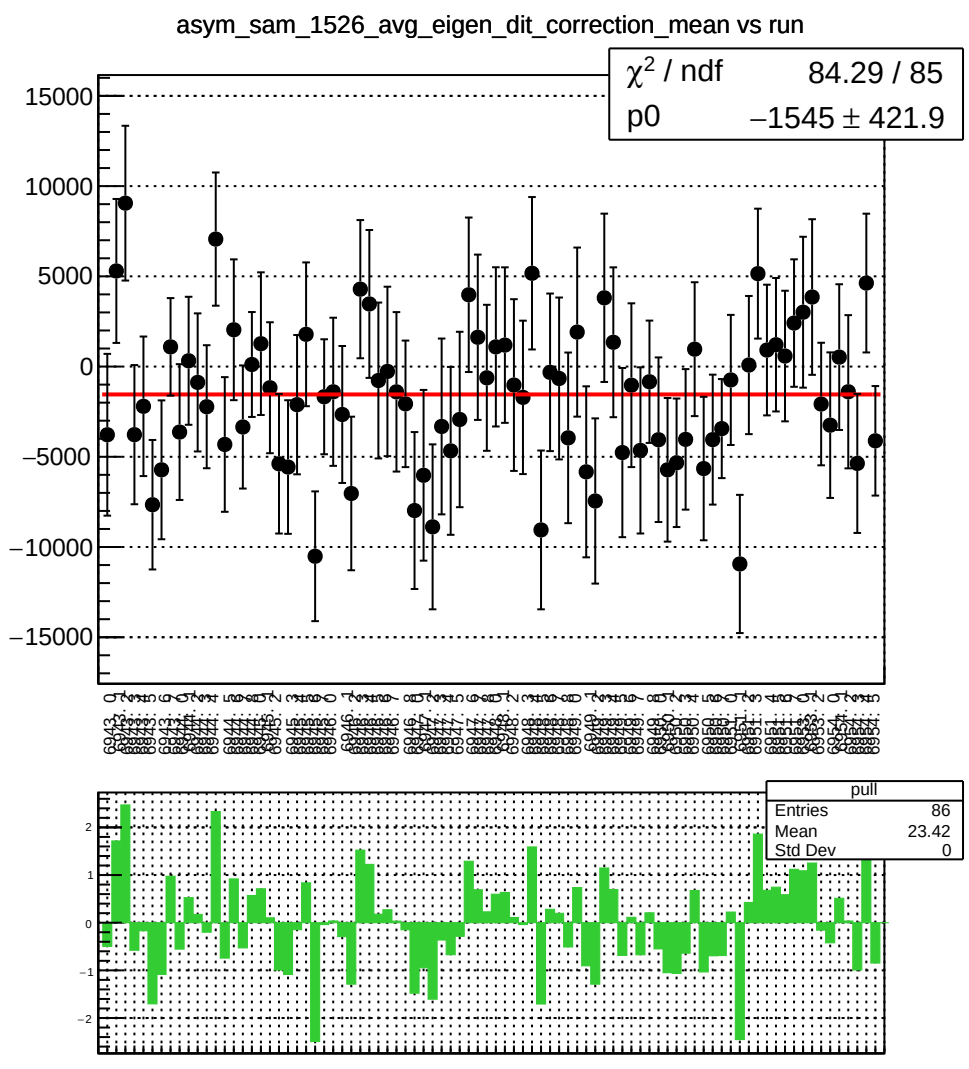

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 84.29 / 85
p0 −1545 ± 421.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 23.42
Std Dev 0
2
1
0
−1
−2

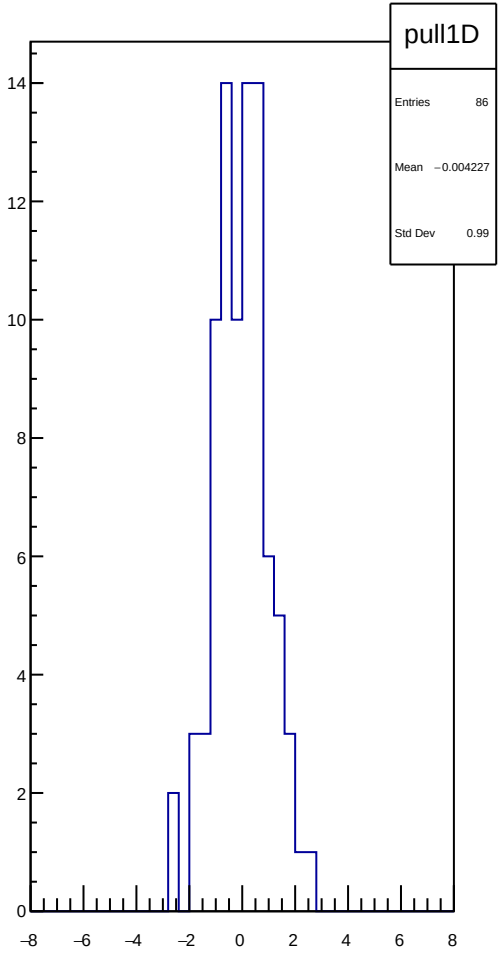

pull1D
Entries 86
Mean −0.004227
Std Dev 0.99
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

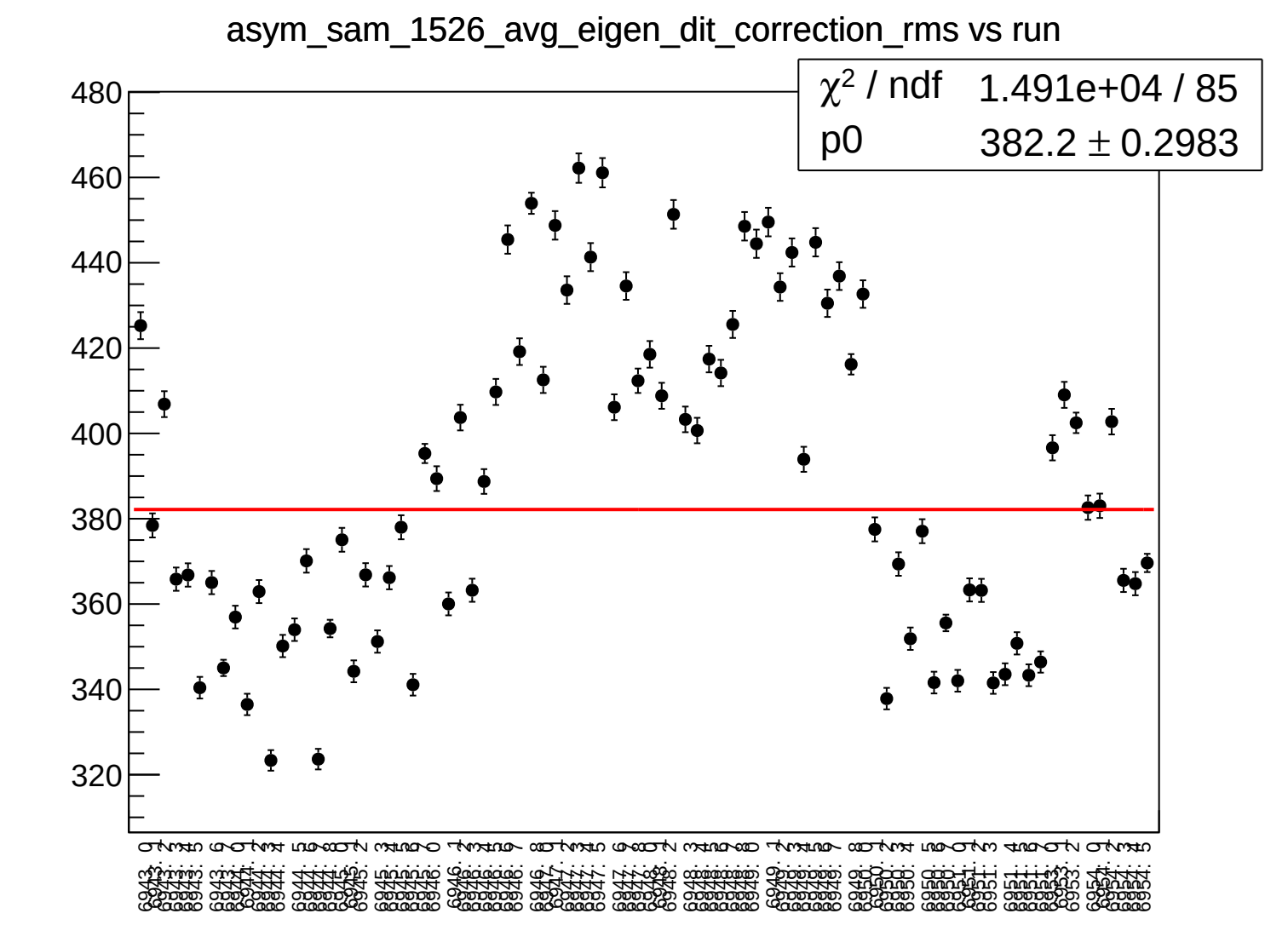

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1.491e+04 / 85
p0 382.2 ± 0.2983
480
460
440
420
400
380
360
340
320

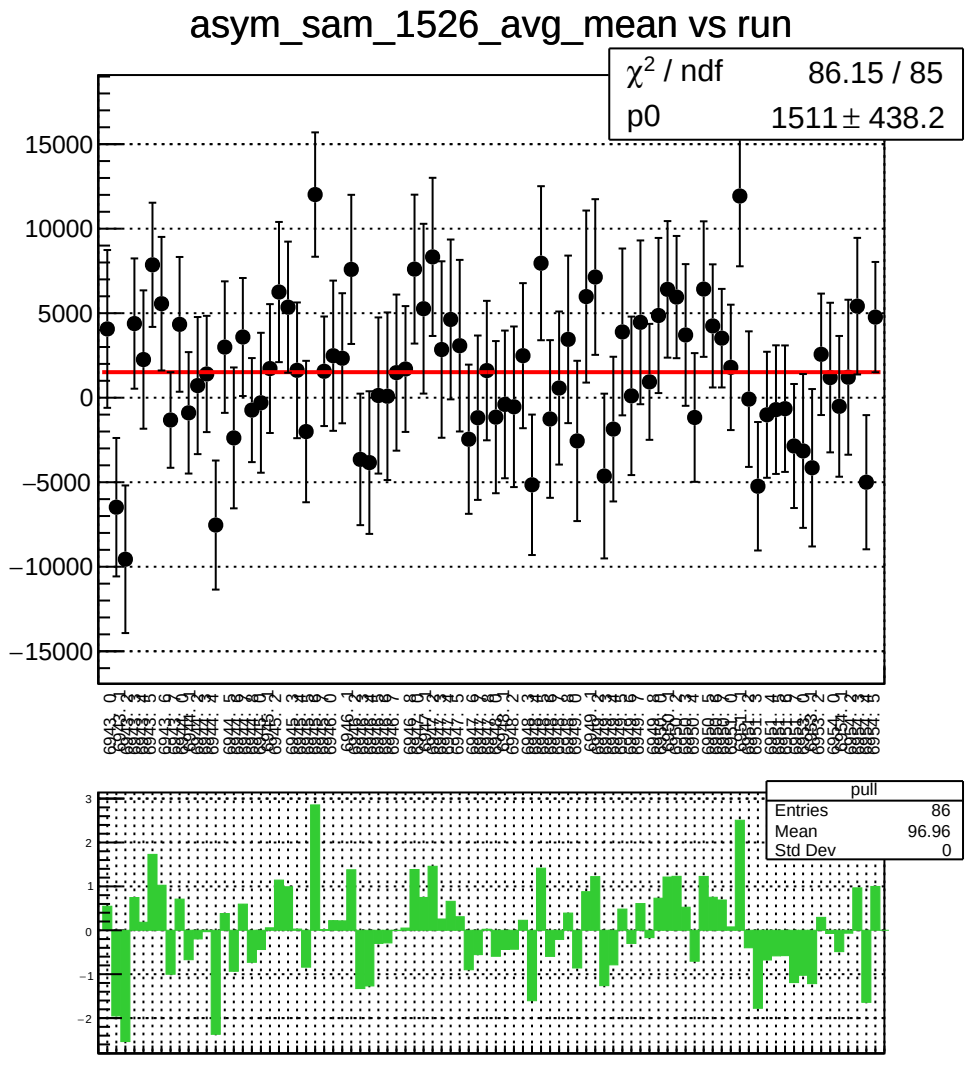

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 102.2 / 85
p0 −27.46 ± 63.31
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −58.79
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.01824
Std Dev 1.09
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

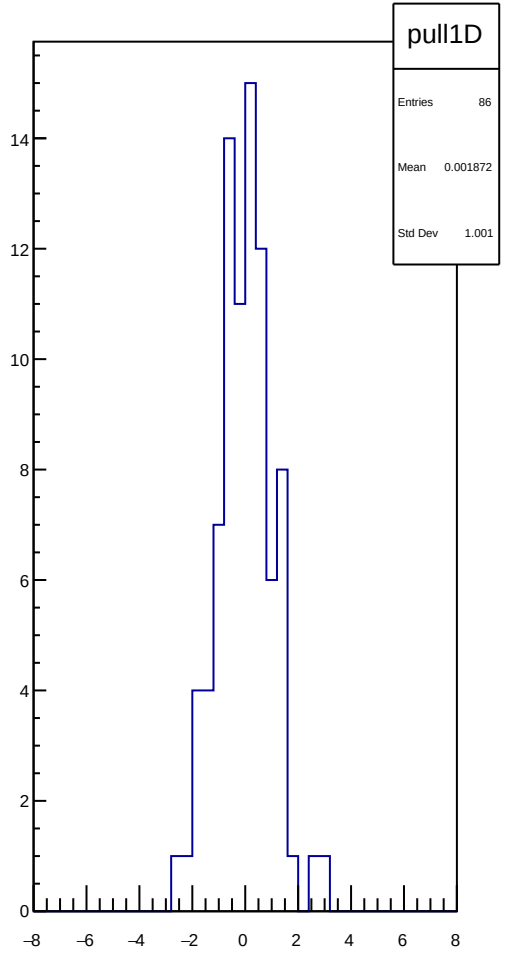

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.683e+04 / 85
p0 57.32 ± 0.04477
110
100
90
80
70
60
50

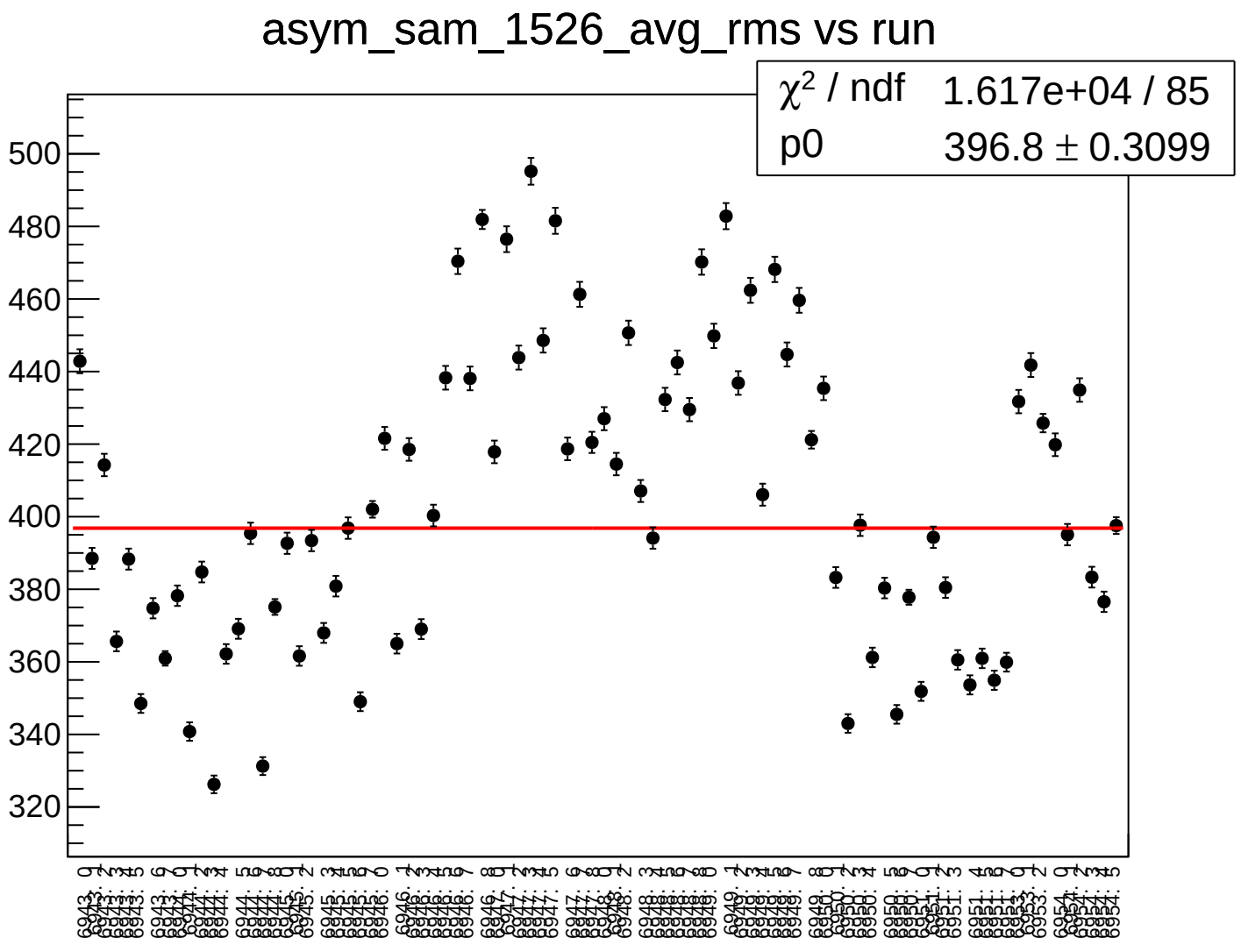

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.29 / 85
p0 −1545 ± 421.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 23.42
Std Dev 0
2
1
0
−1
−2

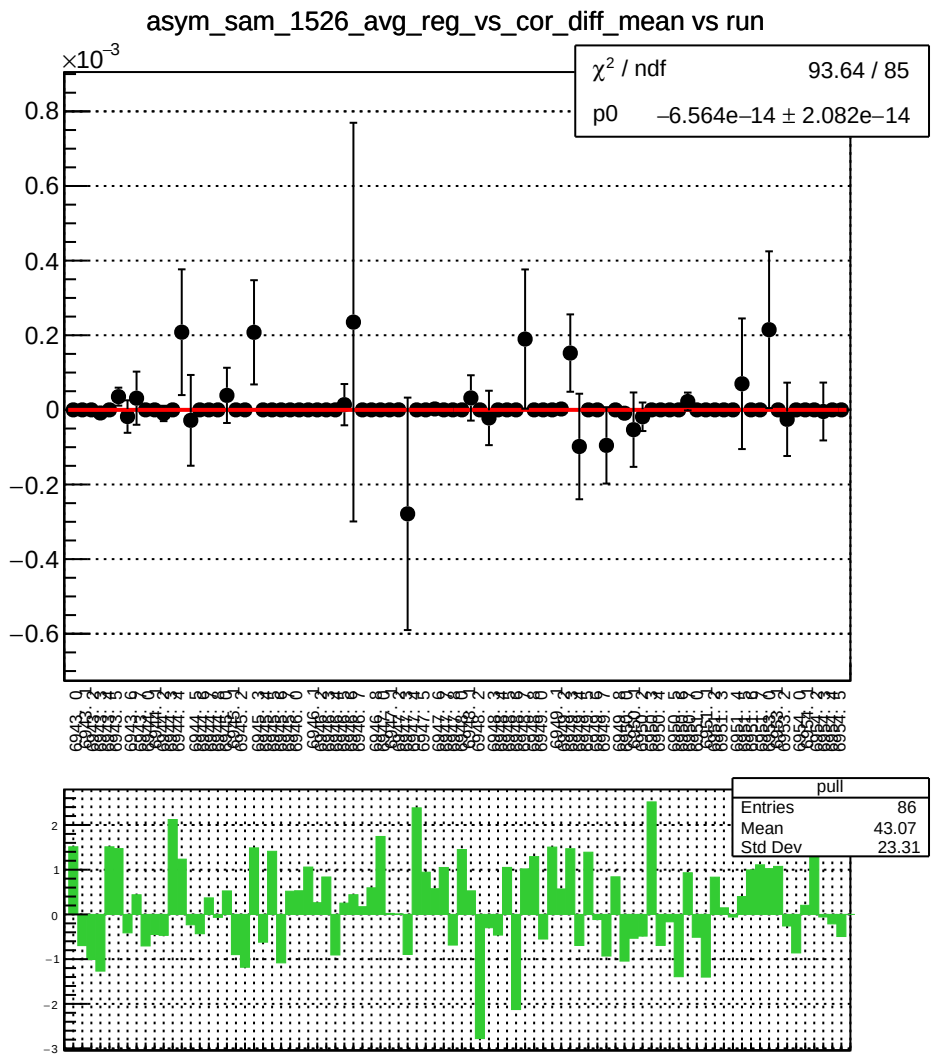

pull1D
Entries 86
Mean −0.004227
Std Dev 0.99
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

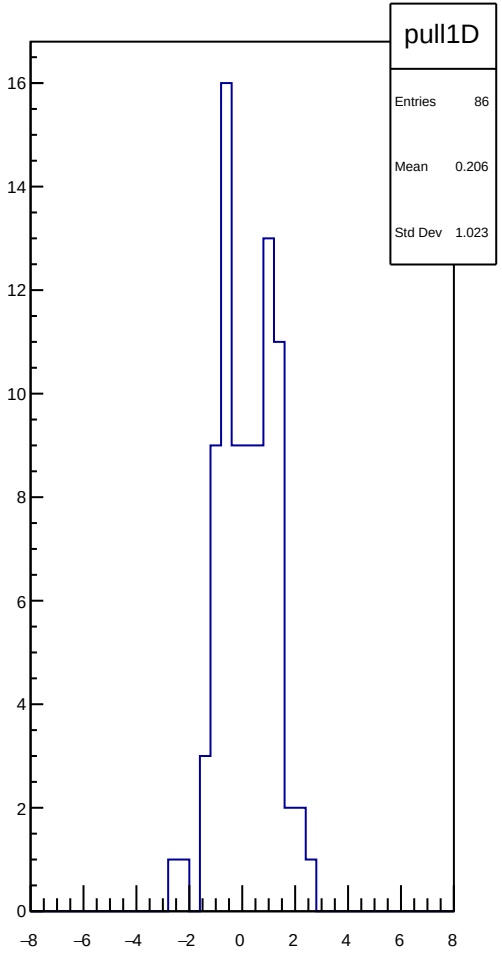

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.491e+04 / 85
p0 382.2 ± 0.2983
480
460
440
420
400
380
360
340
320

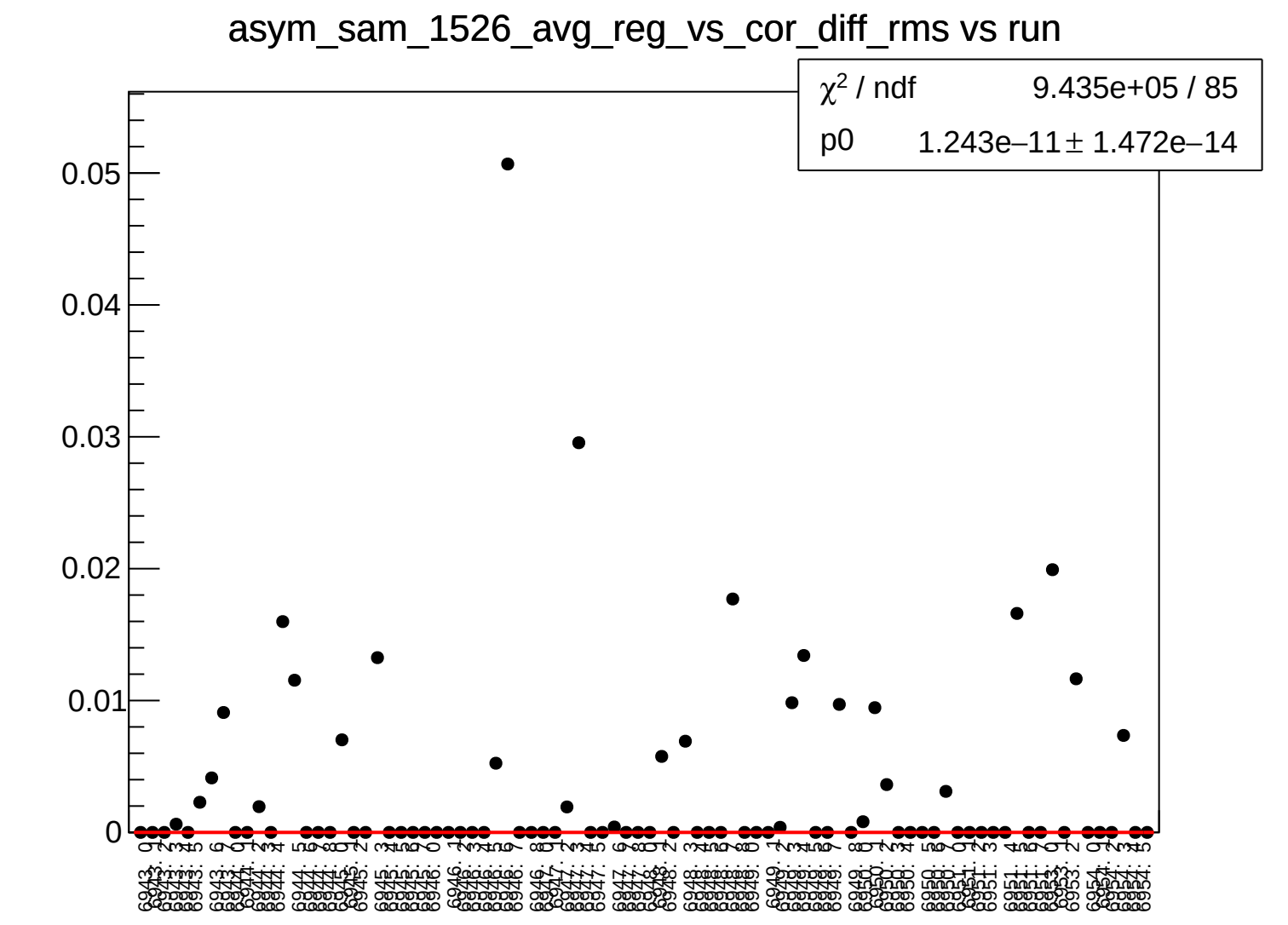

asym_sam_1526_avg_mean vs run
χ² / ndf 86.15 / 85
p0 1511 ± 438.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 96.96
Std Dev 0
3
2
1
0
−1
−2

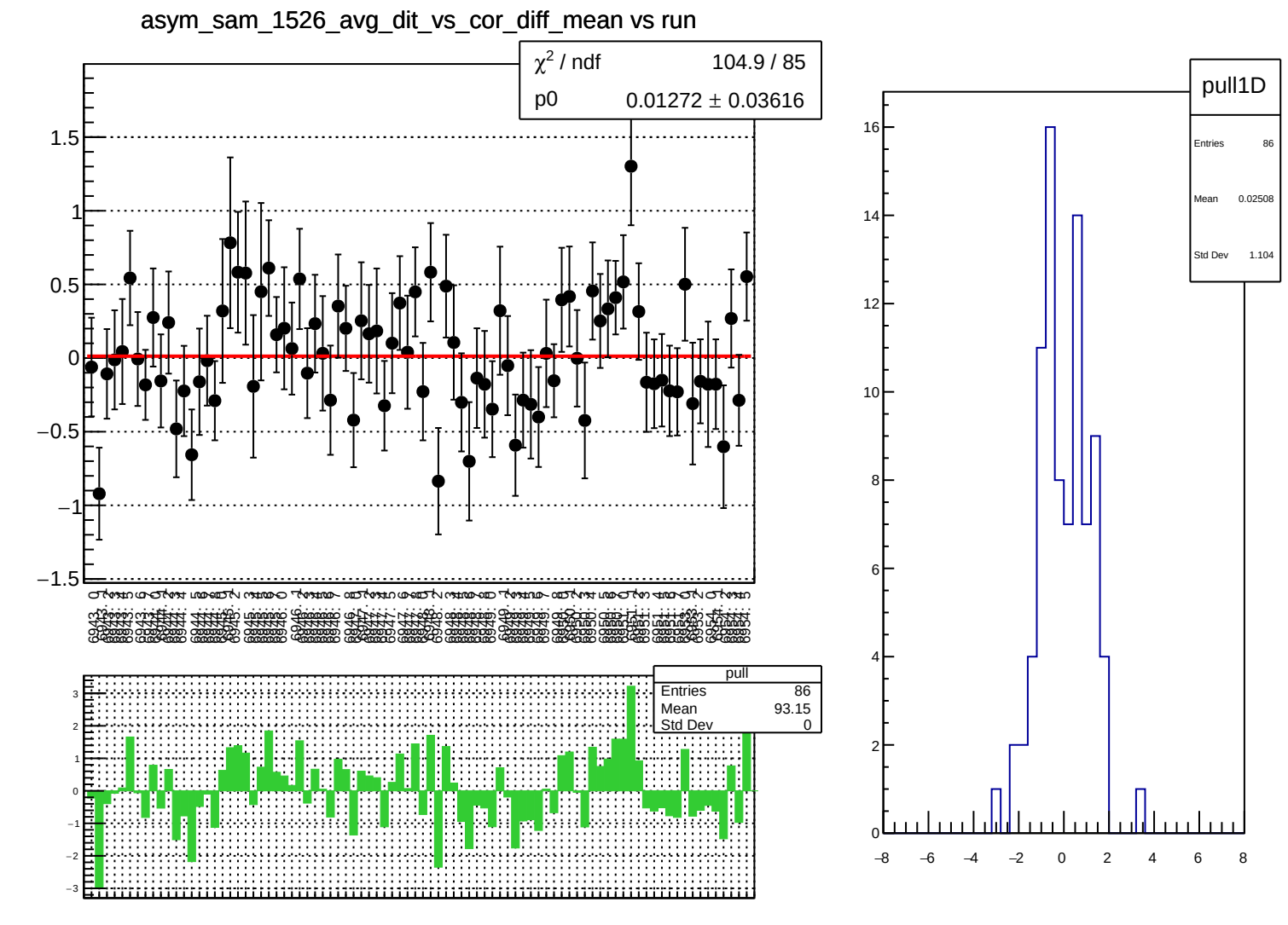

pull1D
Entries 86
Mean 0.001872
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

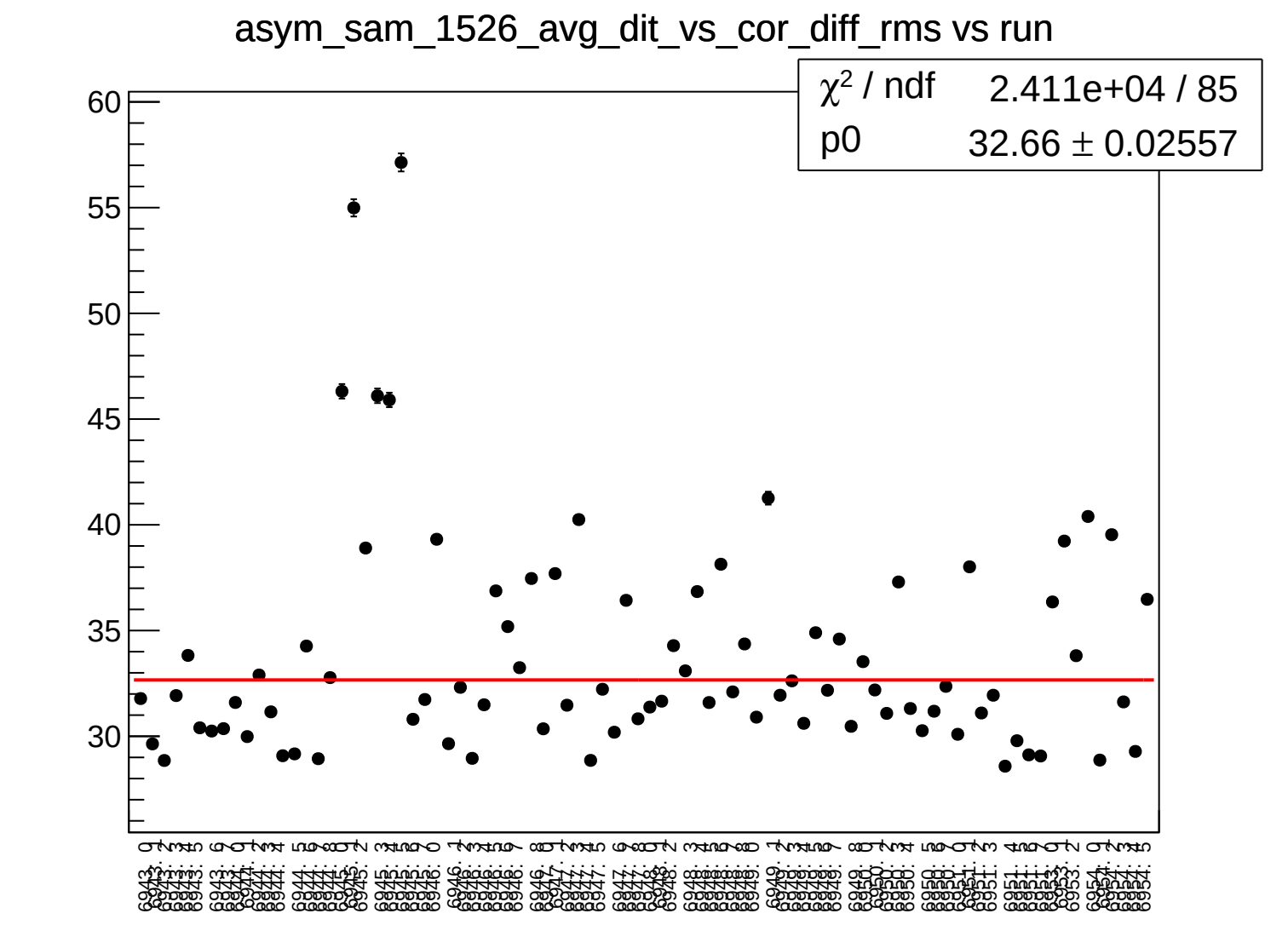

asym_sam_1526_avg_rms vs run
χ² / ndf 1.617e+04 / 85
p0 396.8 ± 0.3099
500
480
460
440
420
400
380
360
340
320

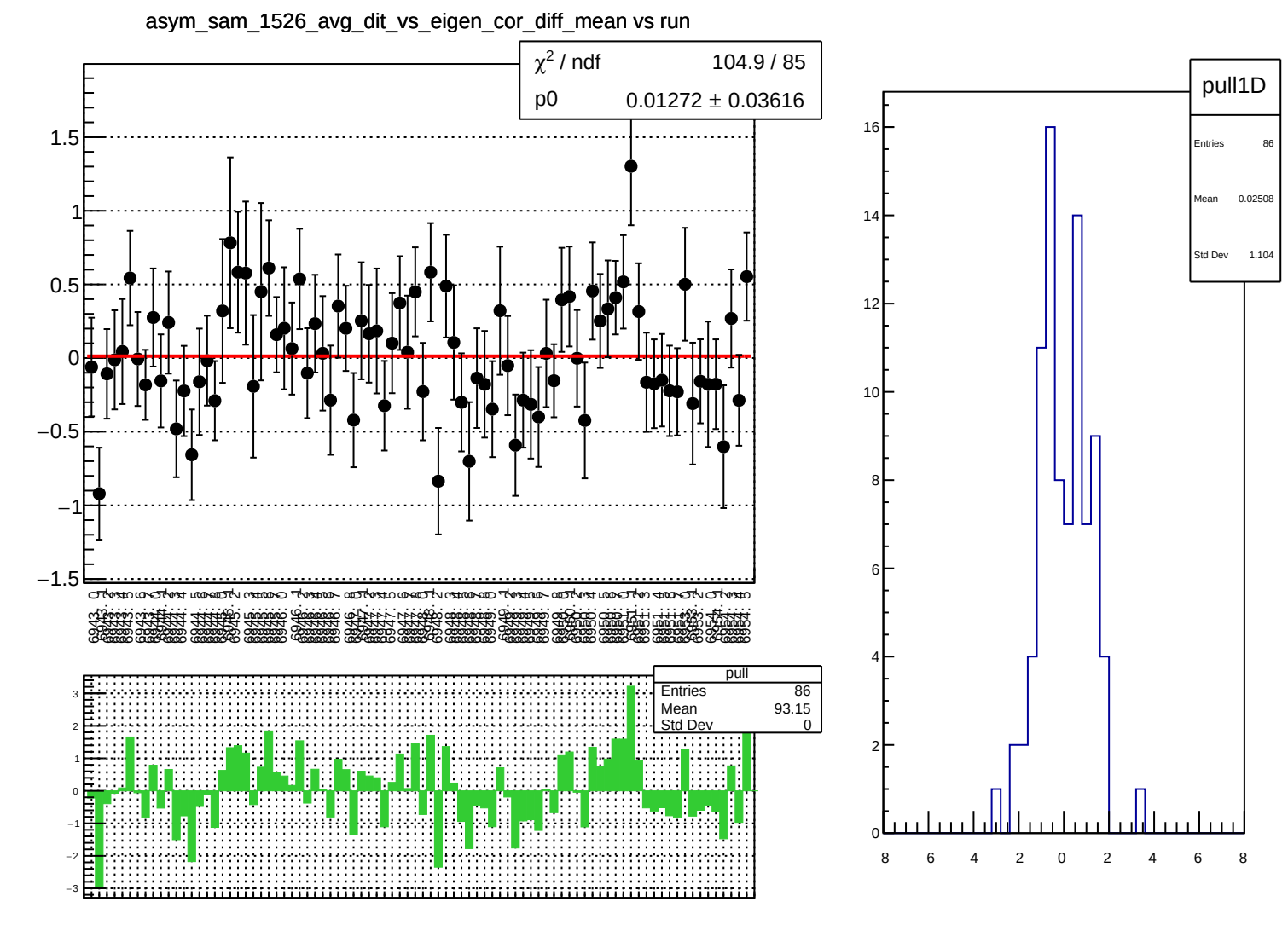

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 93.64 / 85
p0 −6.564e−14 ± 2.082e−14
pull
Entries 86
Mean 43.07
Std Dev 23.31

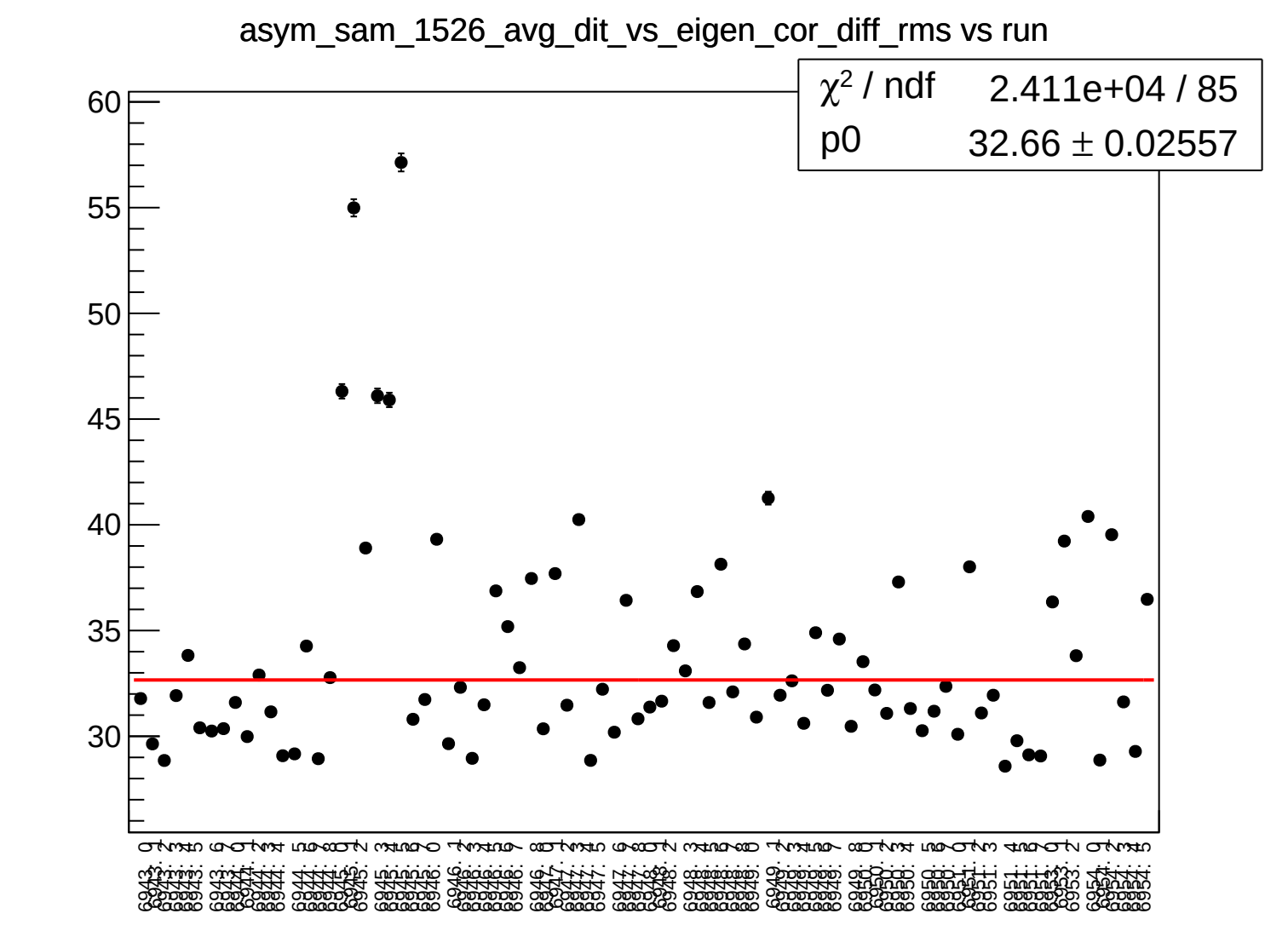

pull1D
Entries 86
Mean 0.206
Std Dev 1.023

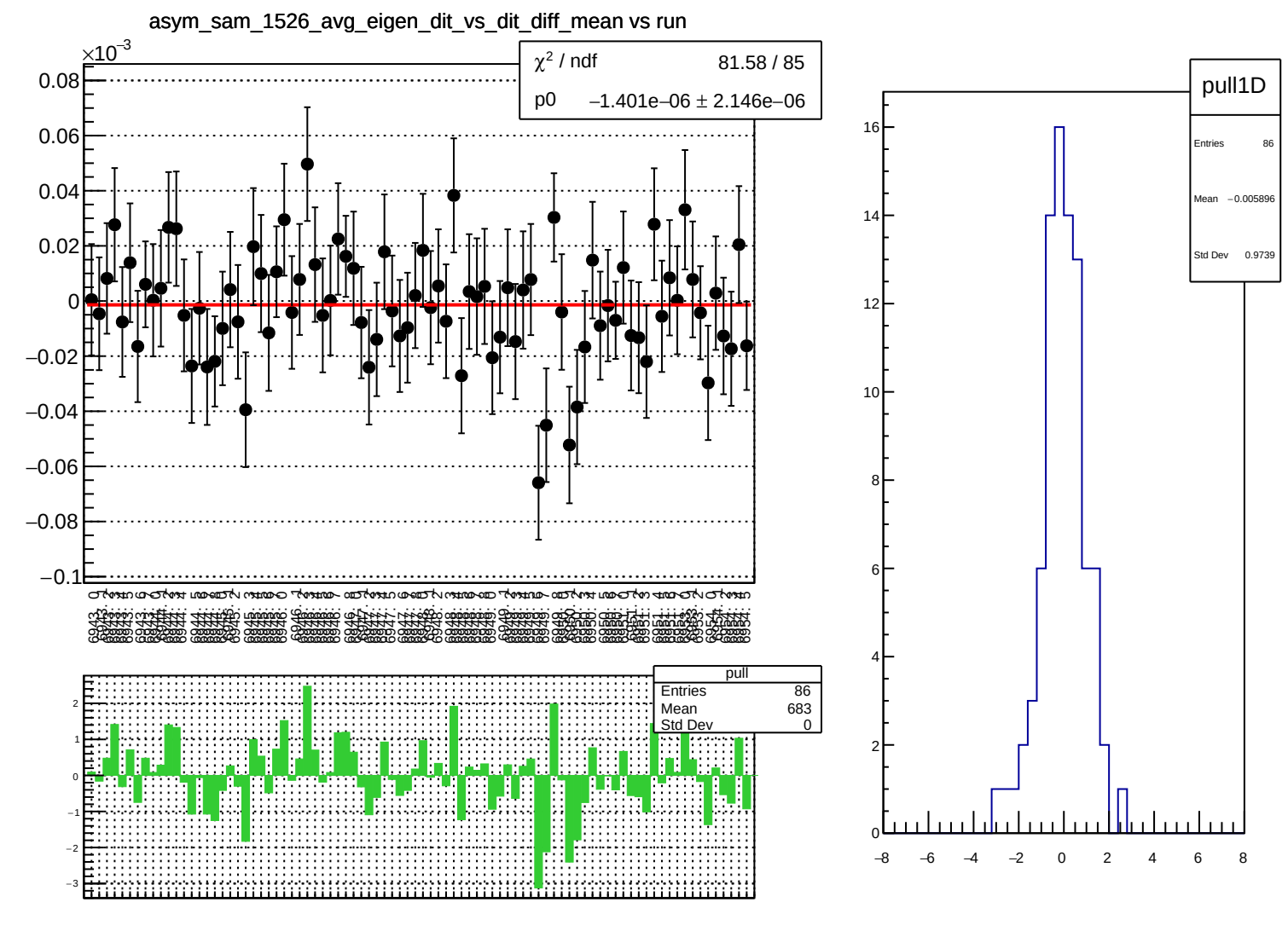

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.435e+05 / 85
p0 1.243e−11 ± 1.472e−14
0.05
0.04
0.03
0.02
0.01
0

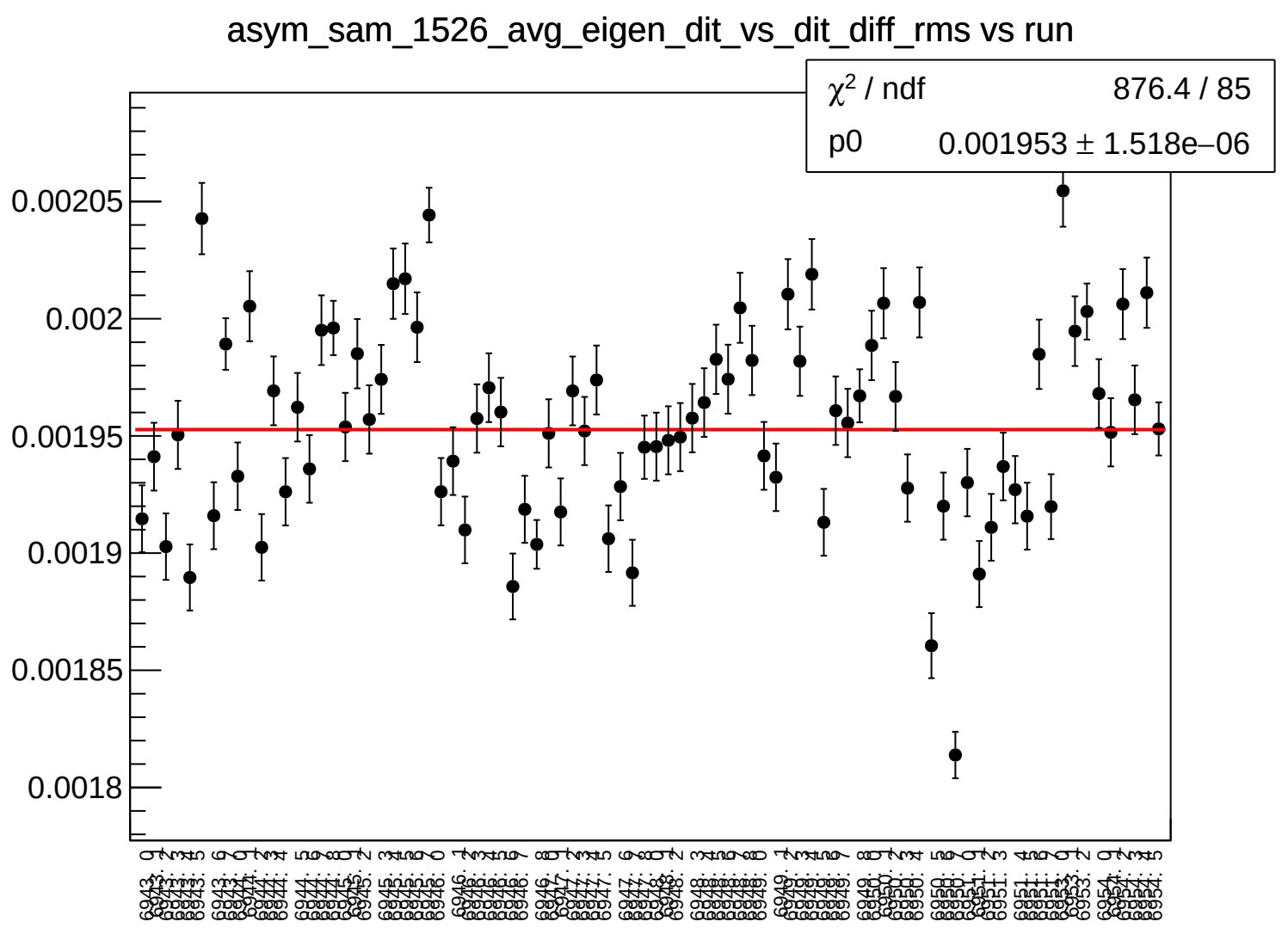

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.01272 ± 0.03616
pull
Entries 86
Mean 93.15
Std Dev 0
pull1D
Entries 86
Mean 0.02508
Std Dev 1.104

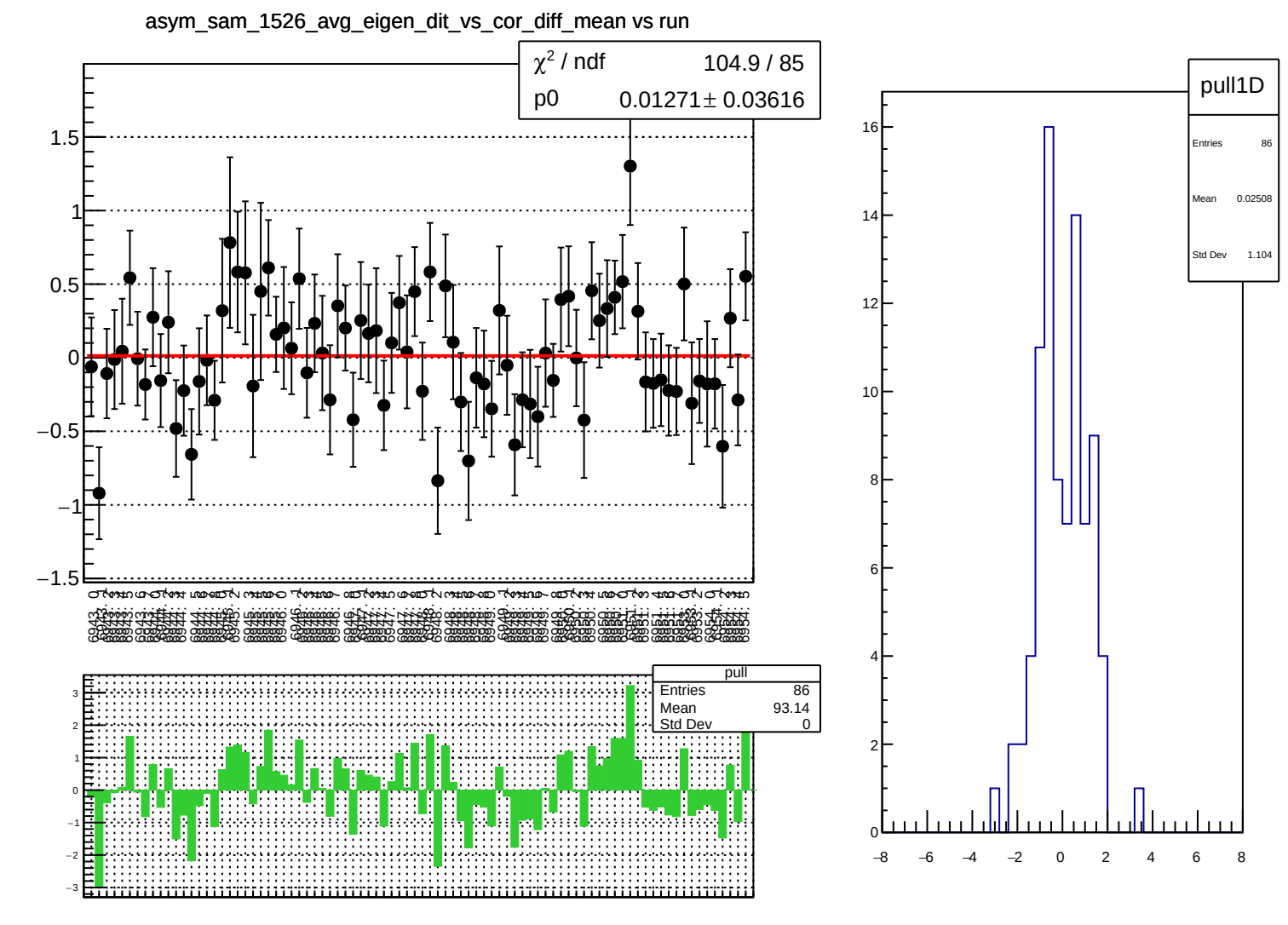

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.411e+04 / 85
p0 32.66 ± 0.02557
60
55
50
45
40
35
30

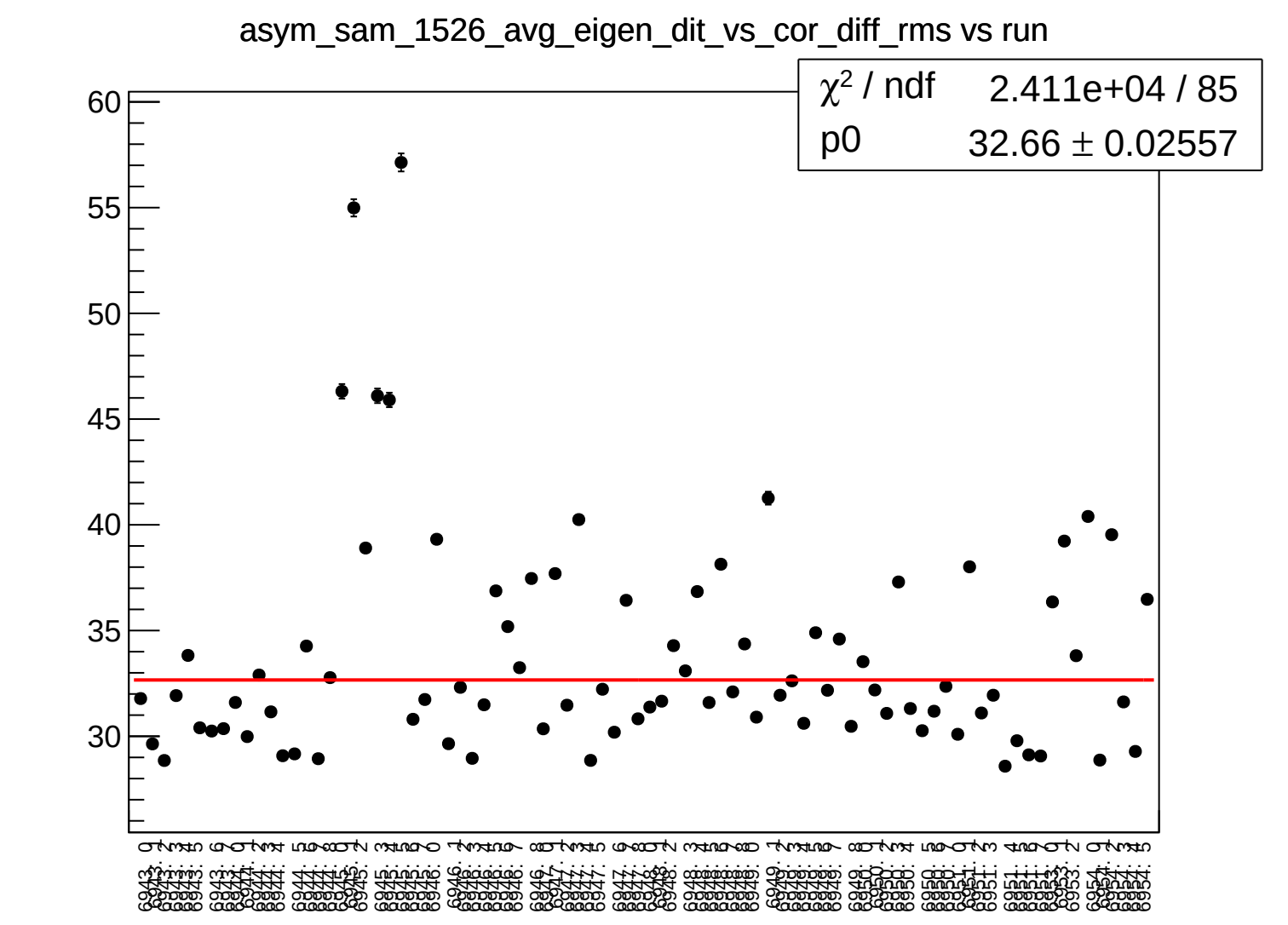

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.01272 ± 0.03616
pull
Entries 86
Mean 93.15
Std Dev 0
pull1D
Entries 86
Mean 0.02508
Std Dev 1.104

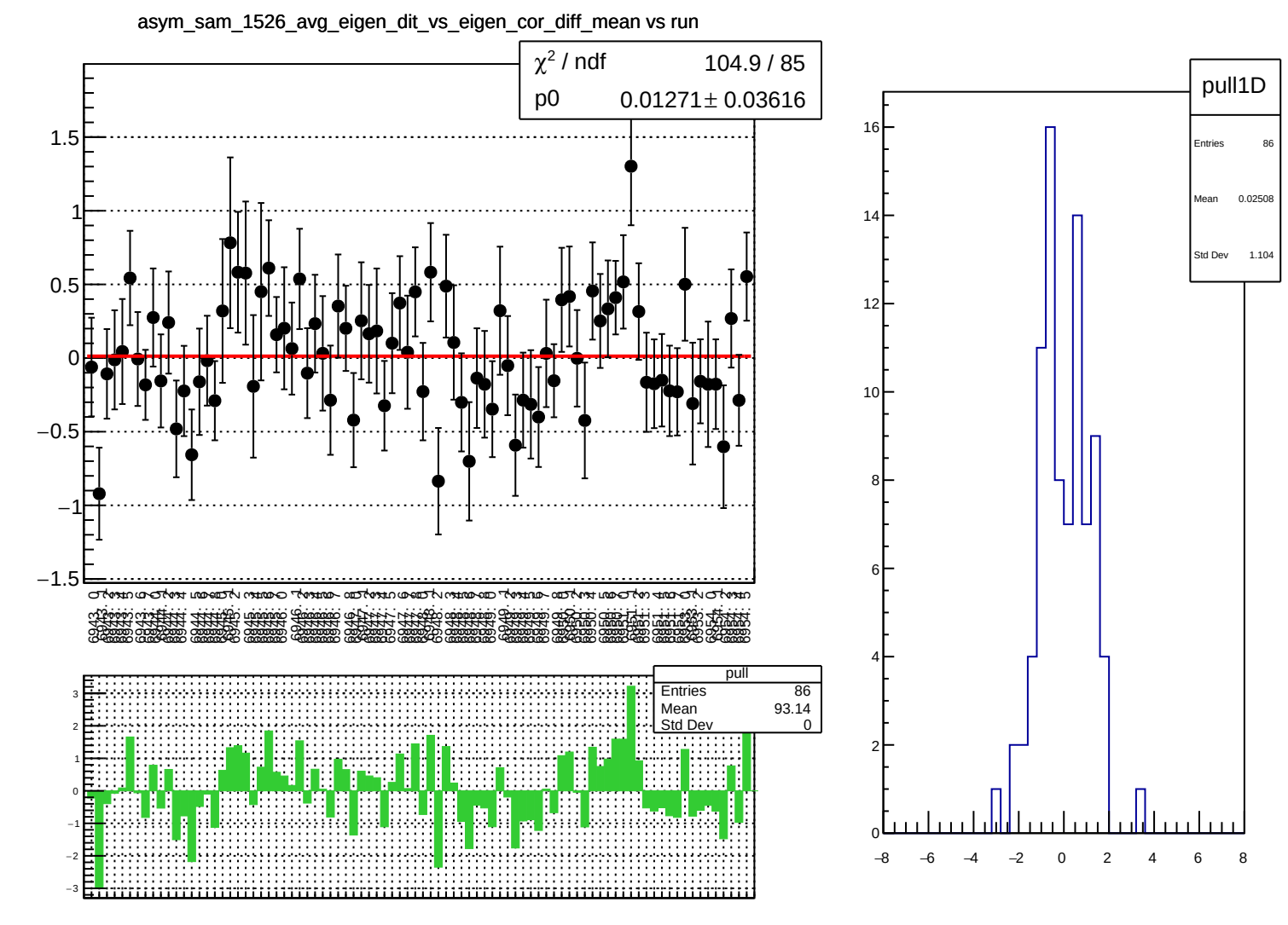

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.411e+04 / 85
p0 32.66 ± 0.02557
60
55
50
45
40
35
30

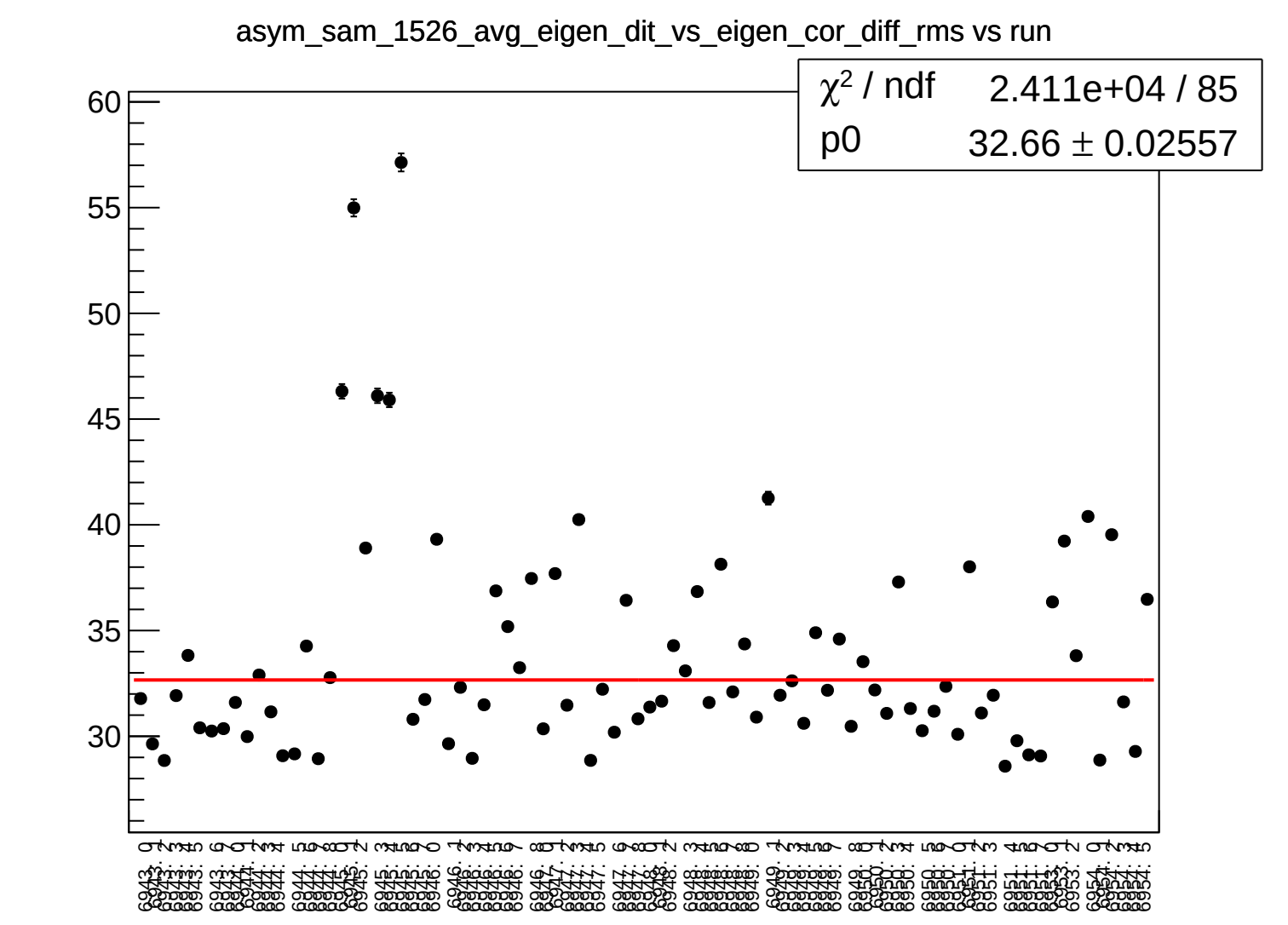

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.58 / 85
p0 −1.401e−06 ± 2.146e−06
pull
Entries 86
Mean 683
Std Dev 0
pull1D
Entries 86
Mean −0.005896
Std Dev 0.9739

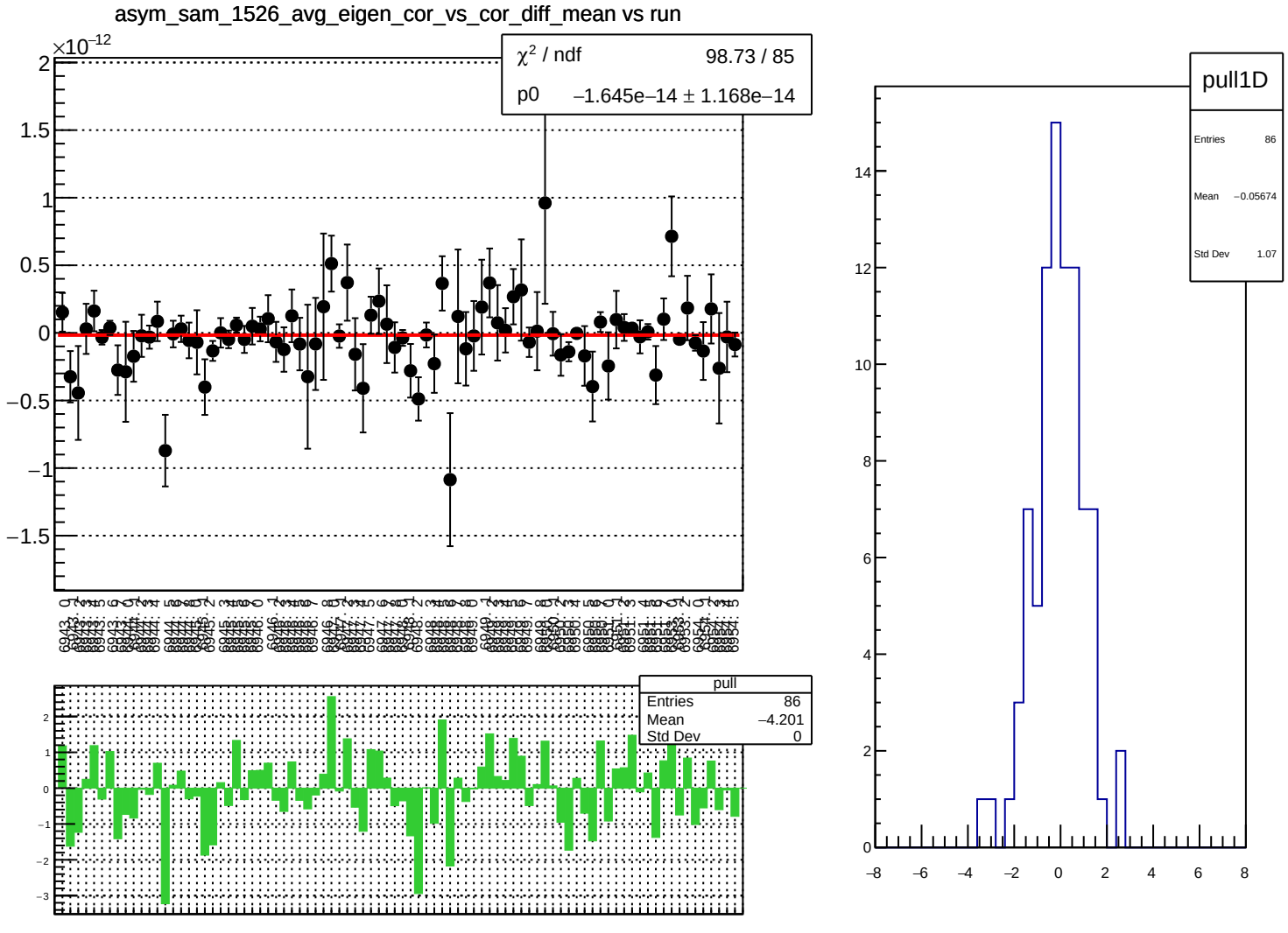

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 876.4 / 85
p0 0.001953 ± 1.518e−06
0.00205
0.002
0.00195
0.0019
0.00185
0.0018

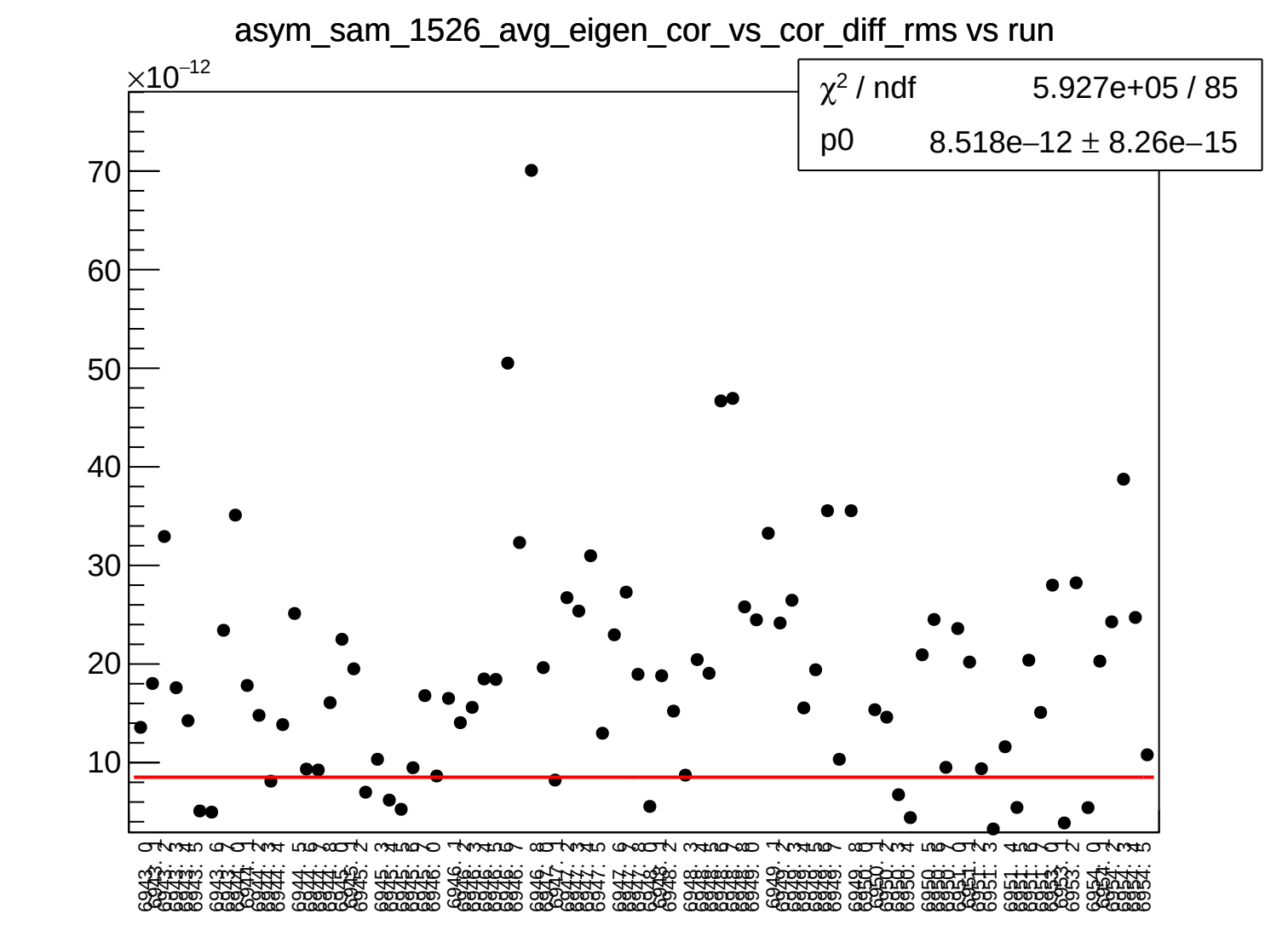

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.01271 ± 0.03616
pull
Entries 86
Mean 93.14
Std Dev 0
pull1D
Entries 86
Mean 0.02508
Std Dev 1.104

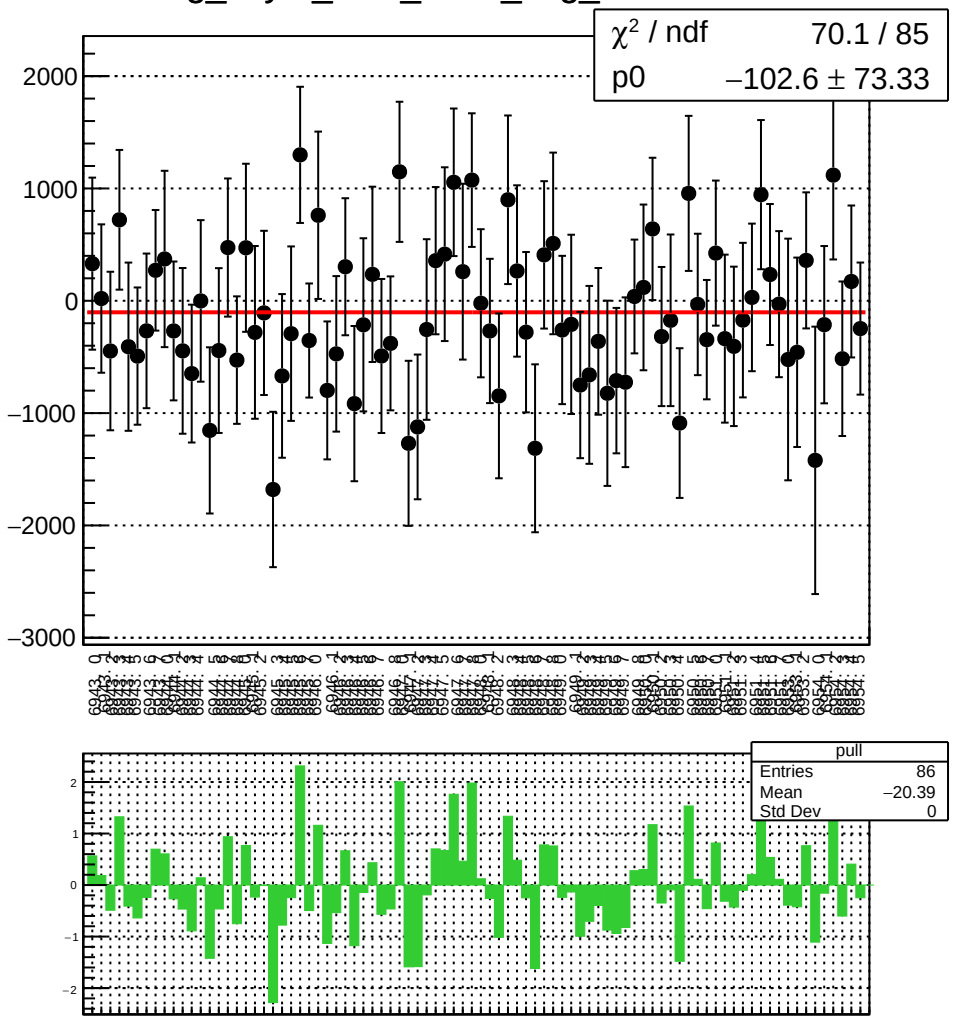

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.411e+04 / 85
p0 32.66 ± 0.02557
60
55
50
45
40
35
30

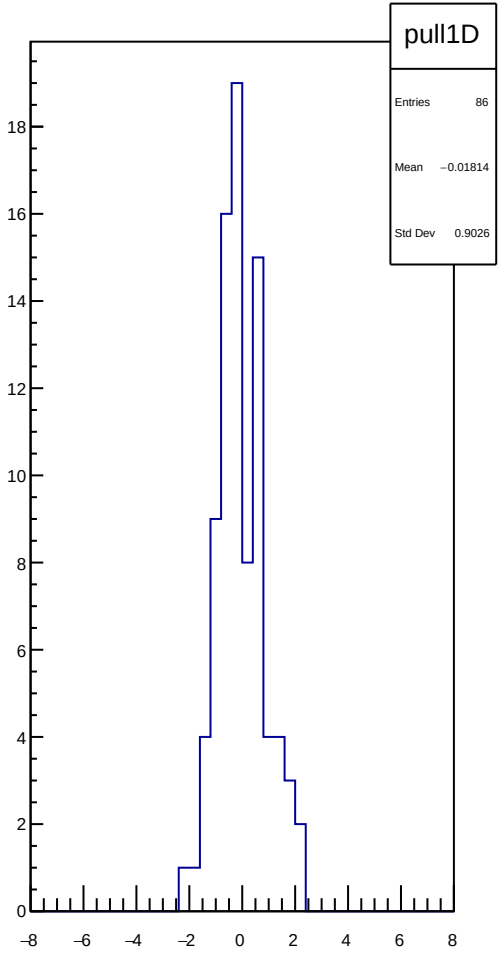

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.9 / 85
p0 0.01271 ± 0.03616
pull
Entries 86
Mean 93.14
Std Dev 0
pull1D
Entries 86
Mean 0.02508
Std Dev 1.104

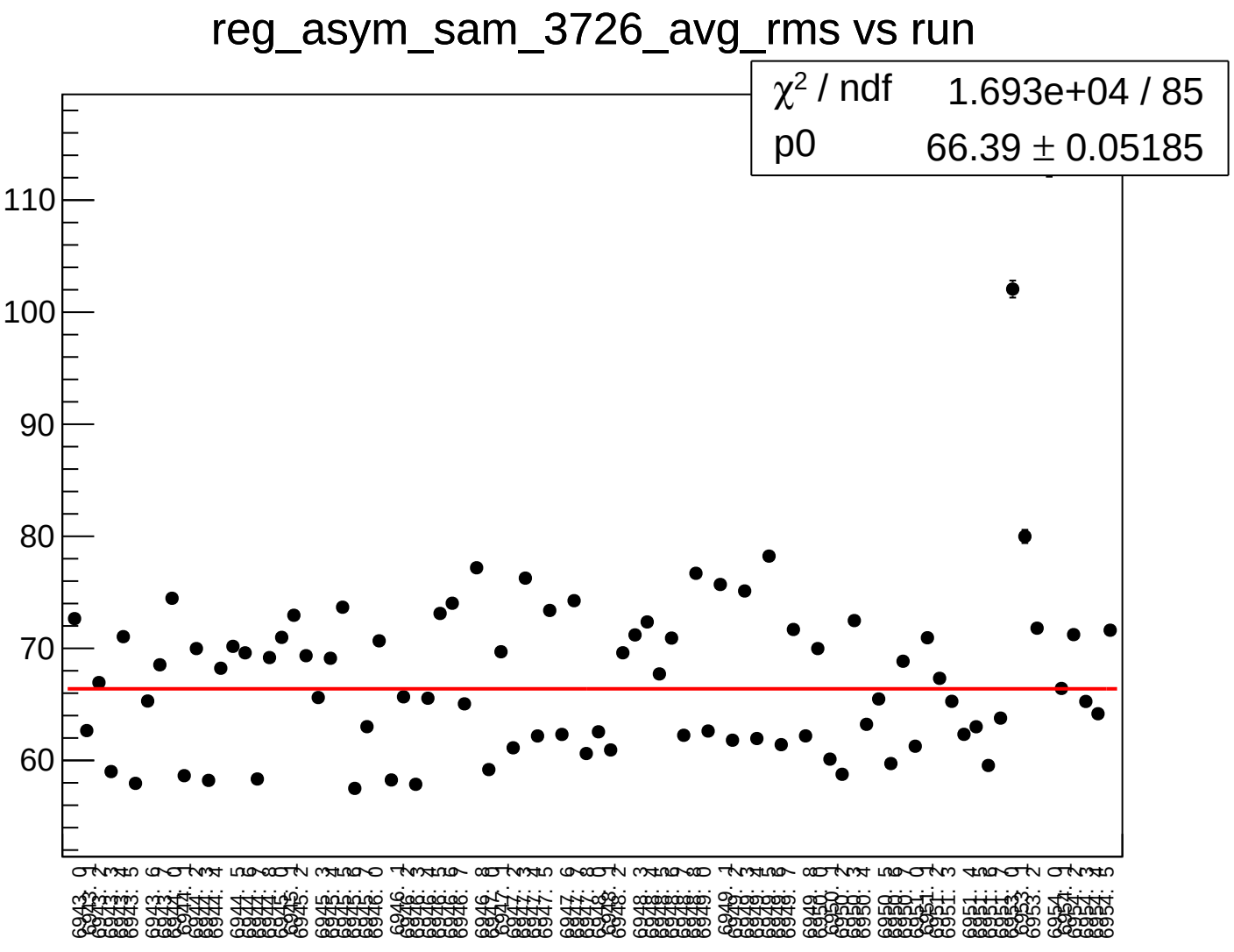

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.411e+04 / 85
p0 32.66 ± 0.02557
60
55
50
45
40
35
30

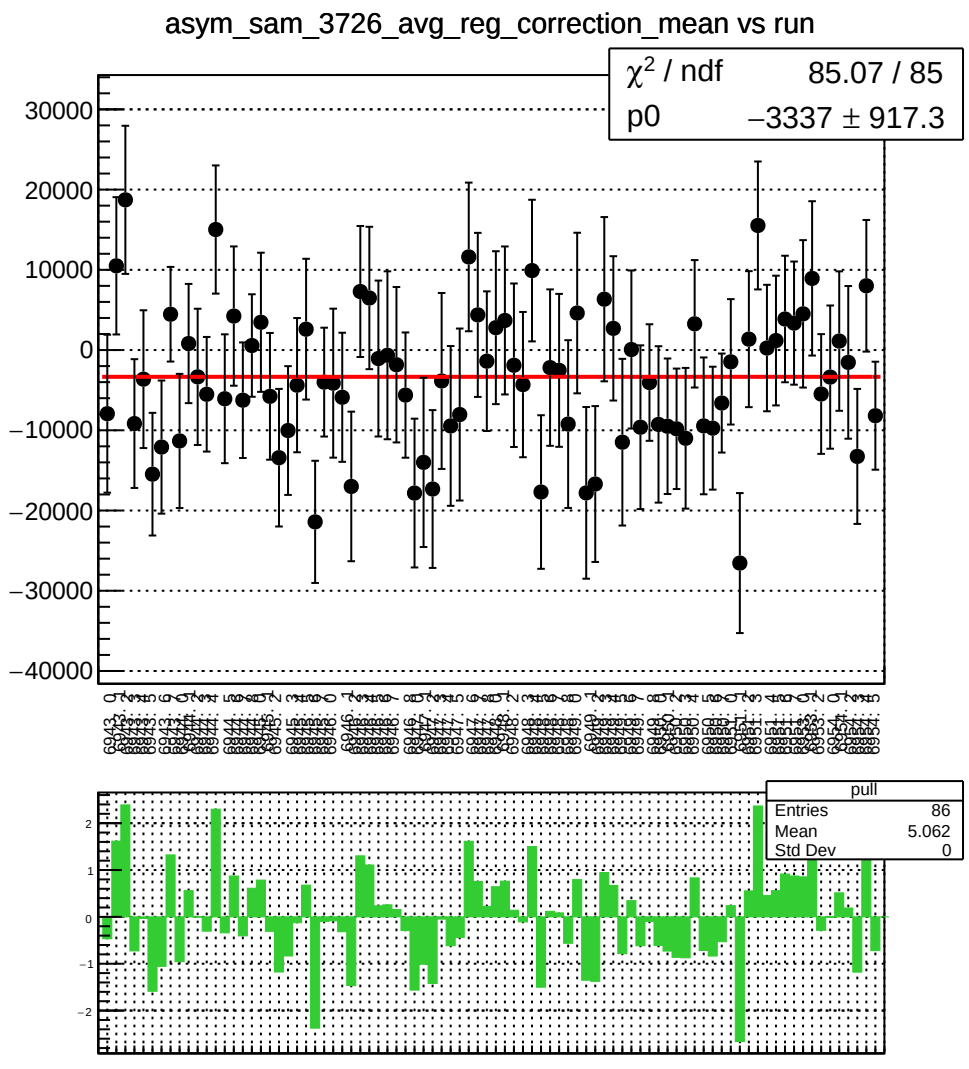

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 98.73 / 85
p0 −1.645e−14 ± 1.168e−14
pull
Entries 86
Mean −4.201
Std Dev 0
pull1D
Entries 86
Mean −0.05674
Std Dev 1.07

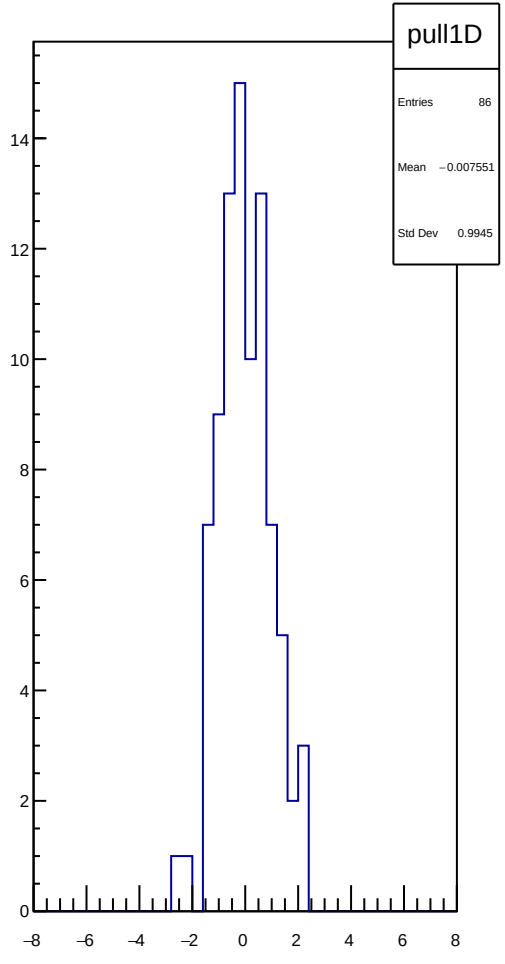

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 5.927e+05 / 85
p0 8.518e−12 ± 8.26e−15

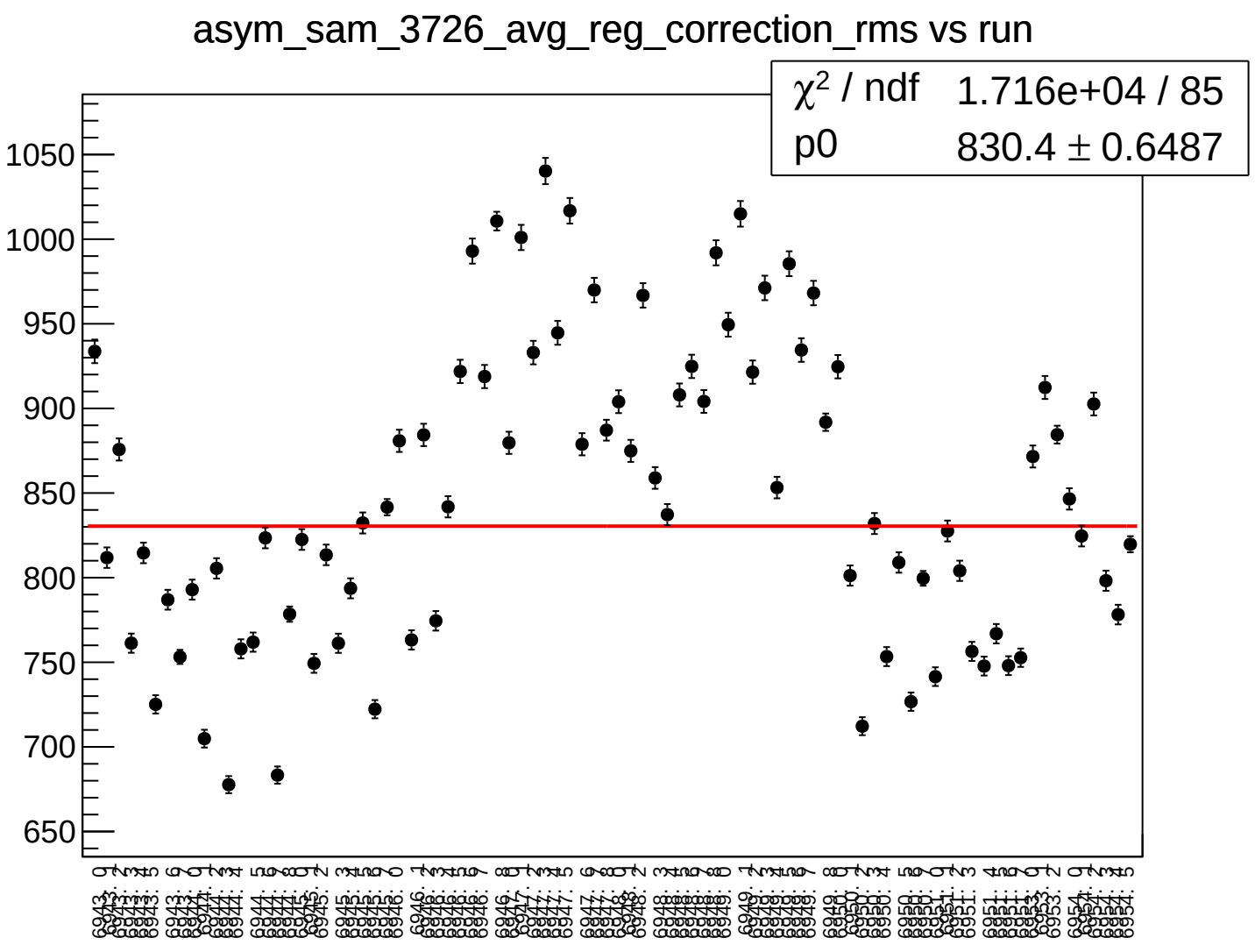

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 70.1 / 85
p0 −102.6 ± 73.33
pull
Entries 86
Mean −20.39
Std Dev 0

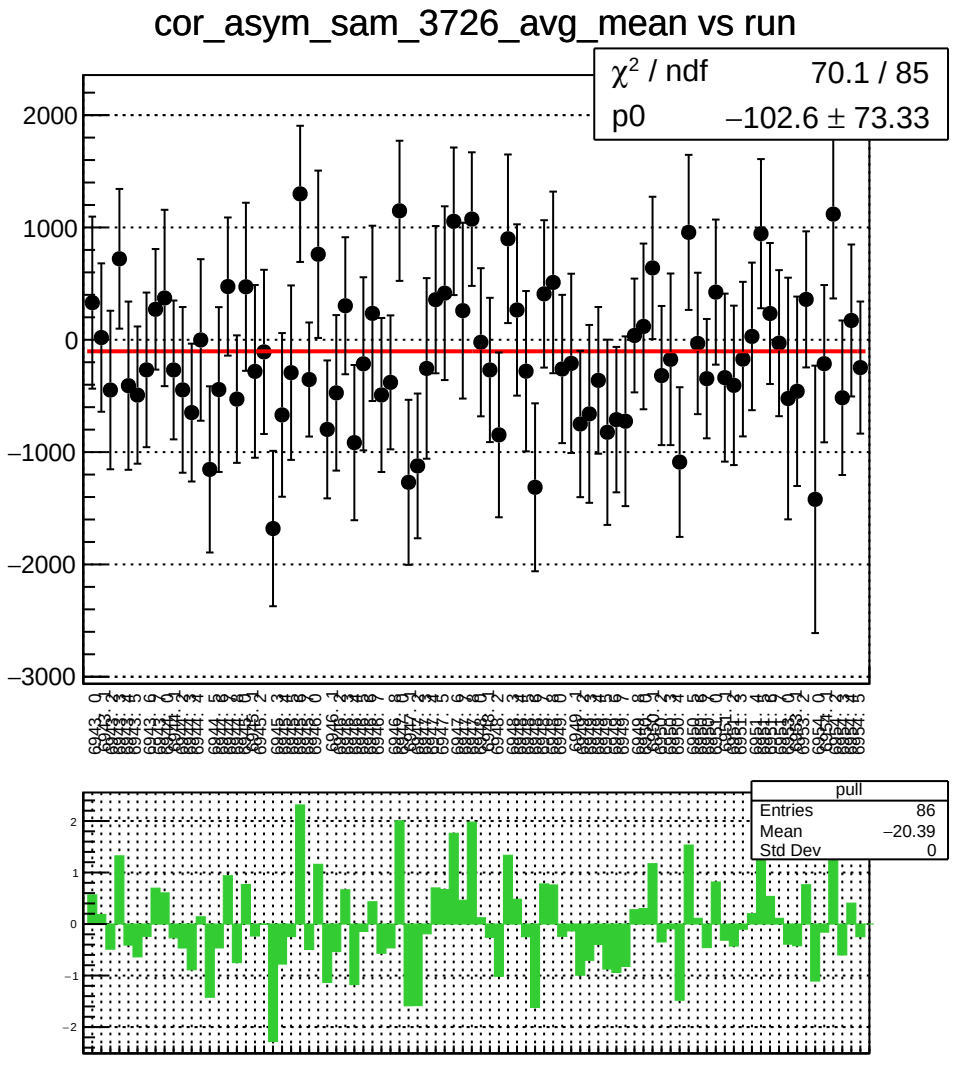

pull1D
Entries 86
Mean −0.01814
Std Dev 0.9026

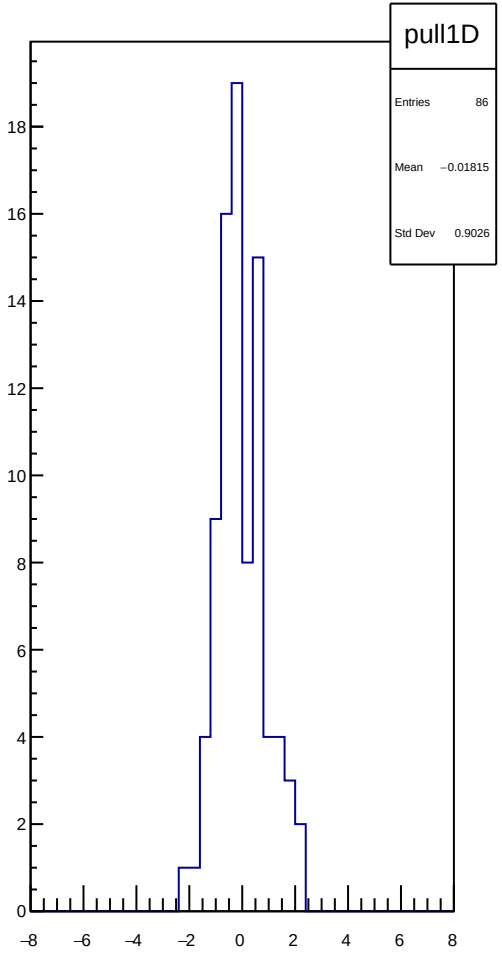

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.693e+04 / 85
p0 66.39 ± 0.05185
110
100
90
80
70
60

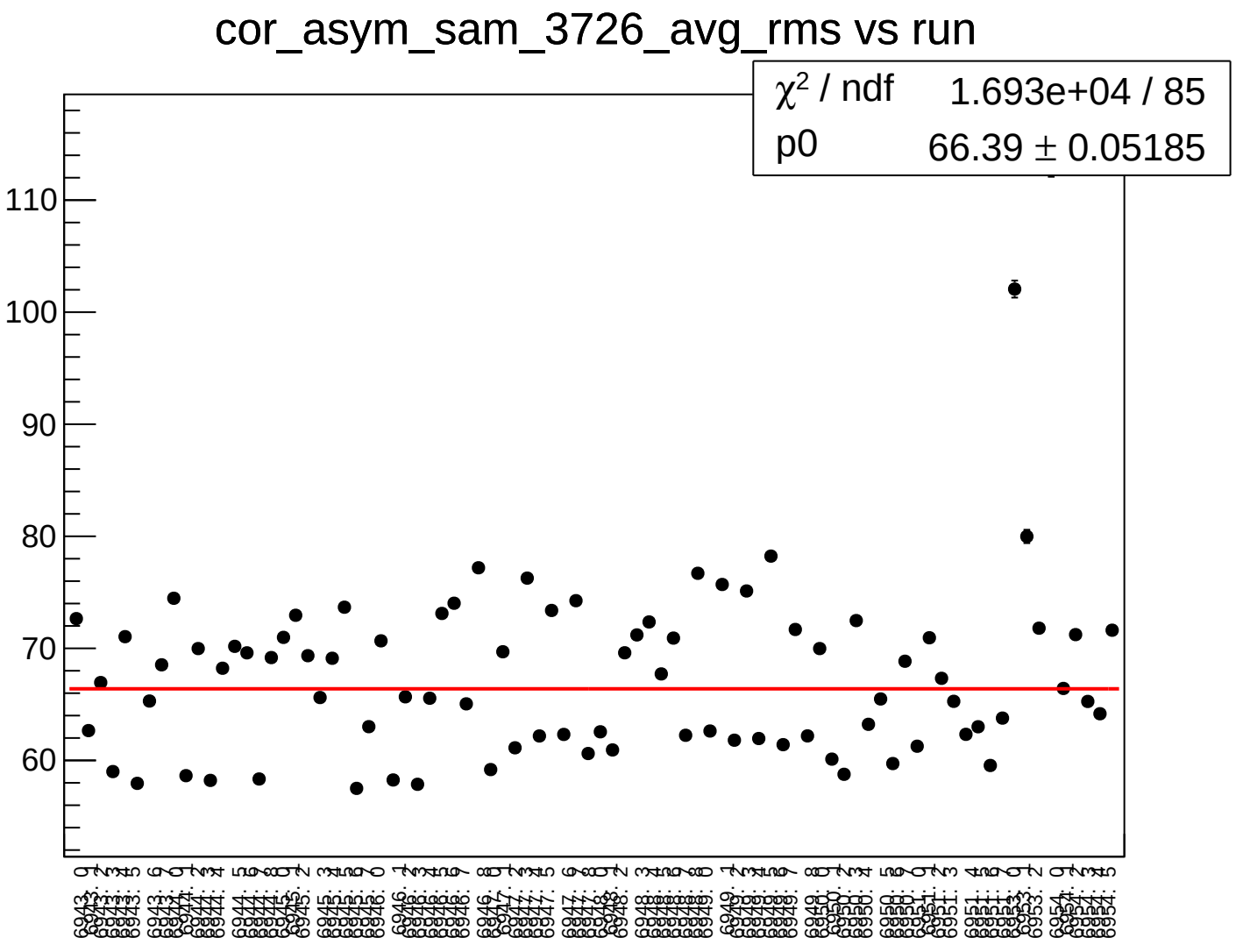

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 85.07 / 85
p0 −3337 ± 917.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 5.062
Std Dev 0
2
1
0
−1
−2

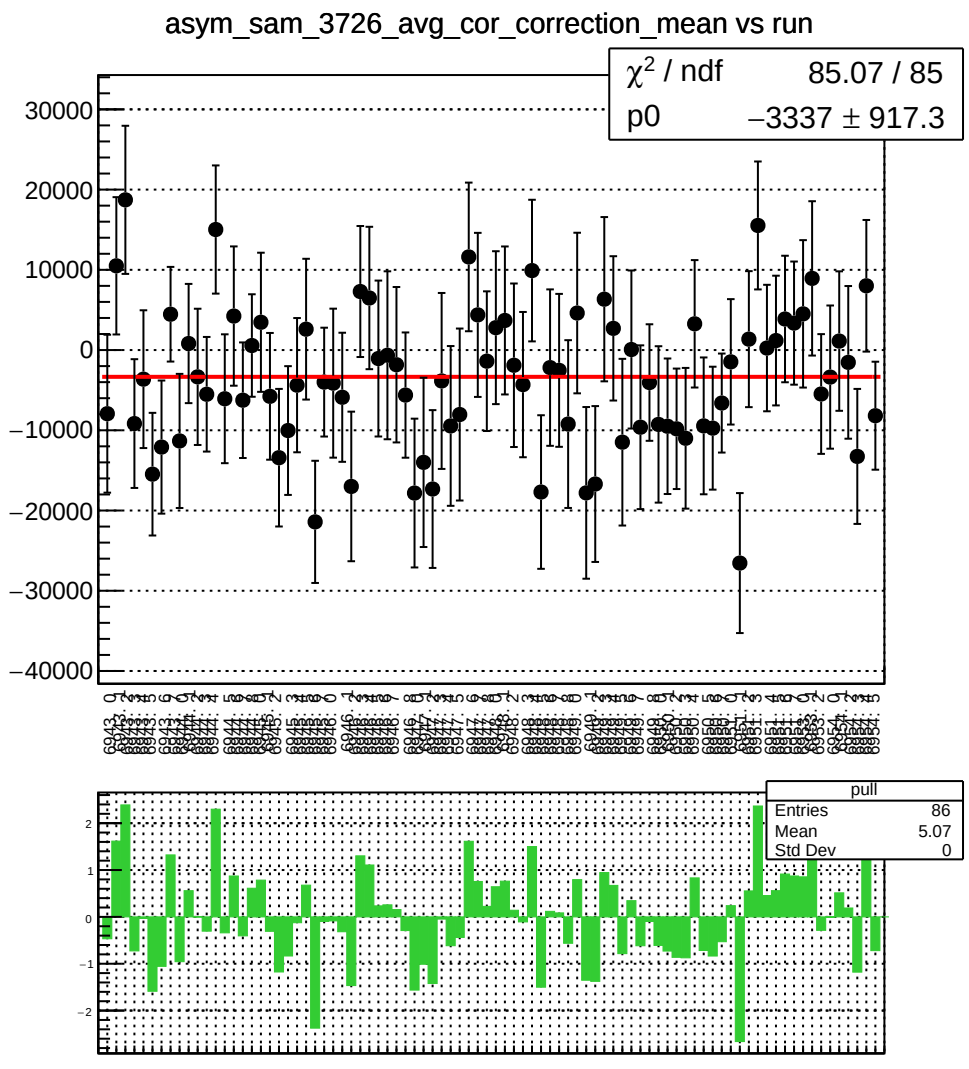

pull1D
Entries 86
Mean −0.007551
Std Dev 0.9945
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

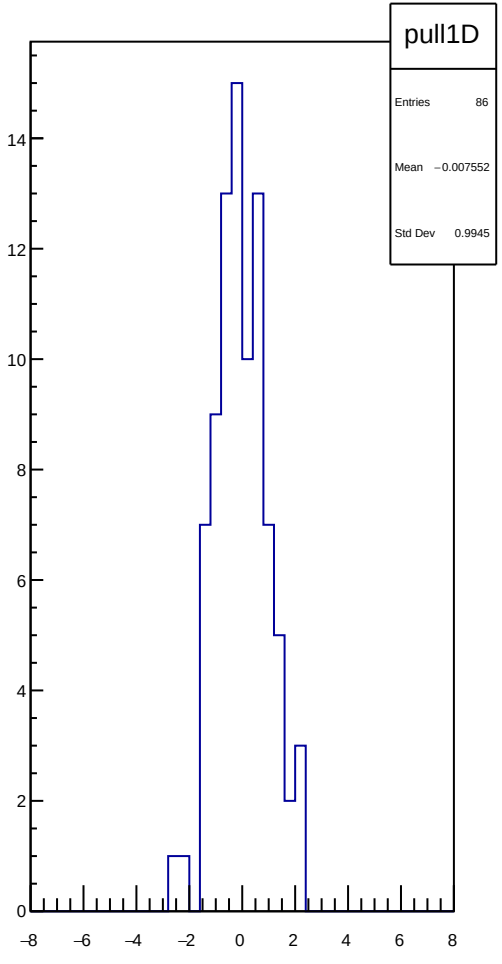

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 1.716e+04 / 85
p0 830.4 ± 0.6487
1050
1000
950
900
850
800
750
700
650

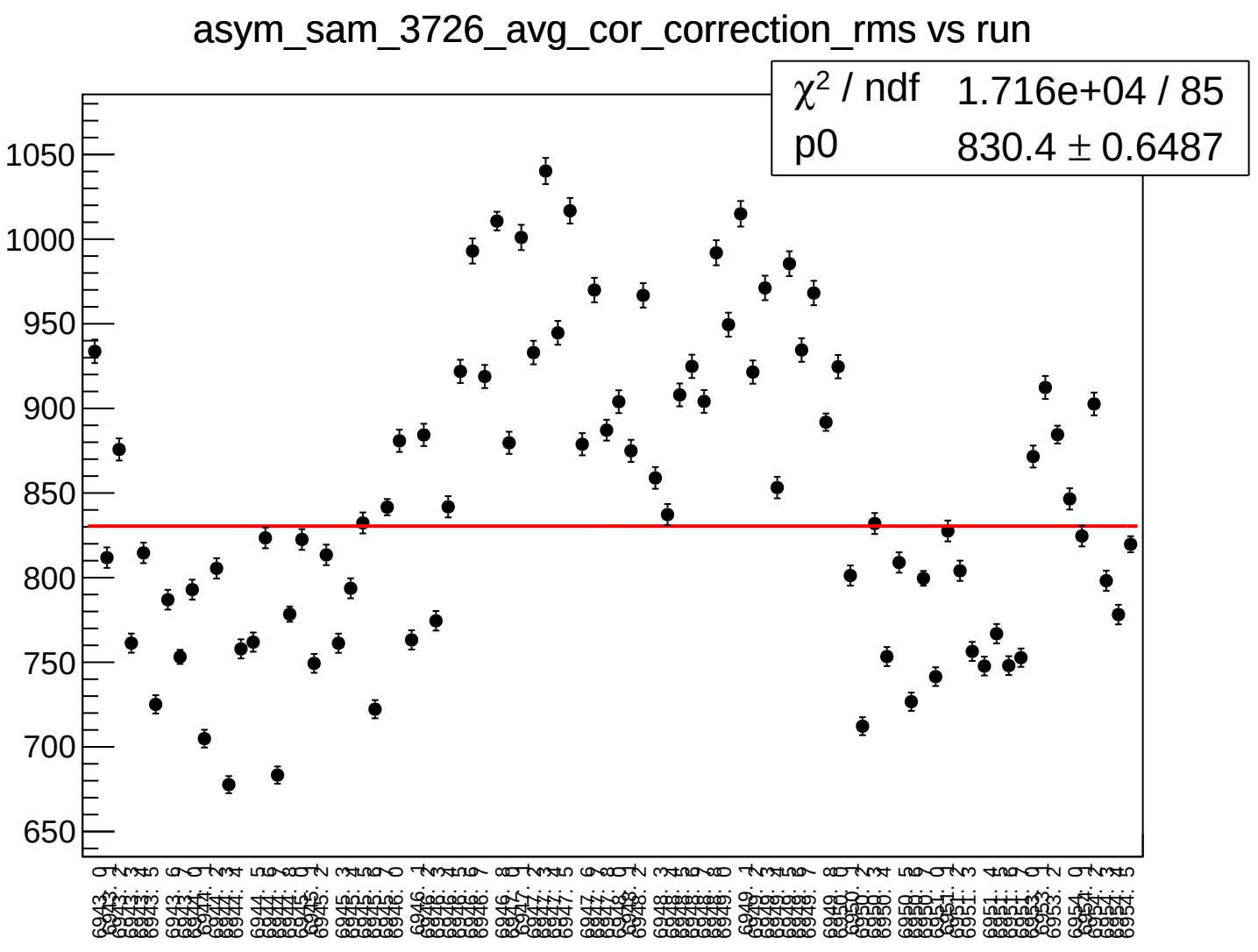

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 70.1 / 85
p0 −102.6 ± 73.33
pull
Entries 86
Mean −20.39
Std Dev 0

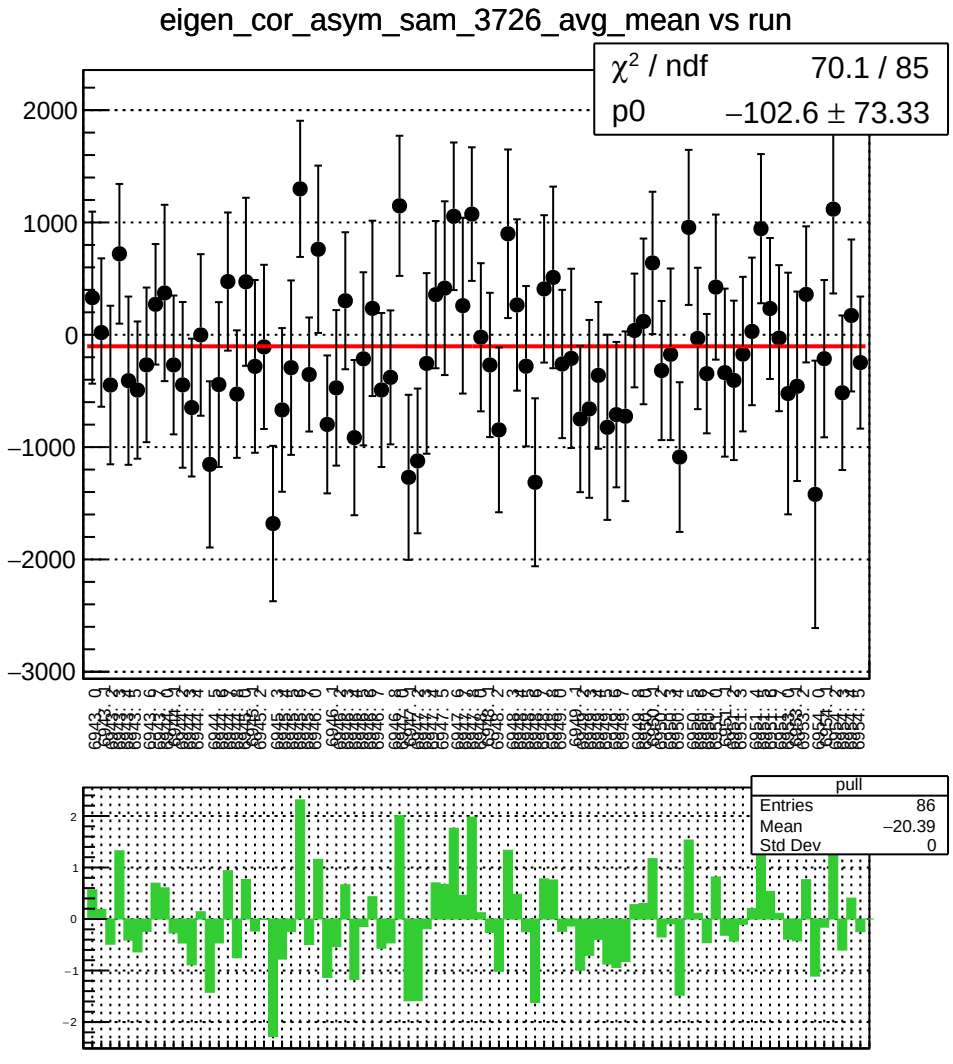

pull1D
Entries 86
Mean −0.01815
Std Dev 0.9026

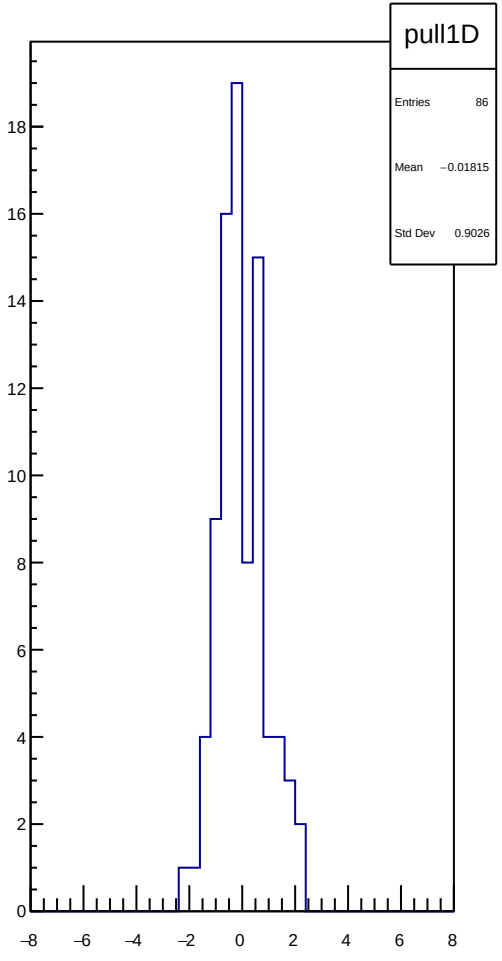

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.693e+04 / 85
p0 66.39 ± 0.05185
110
100
90
80
70
60

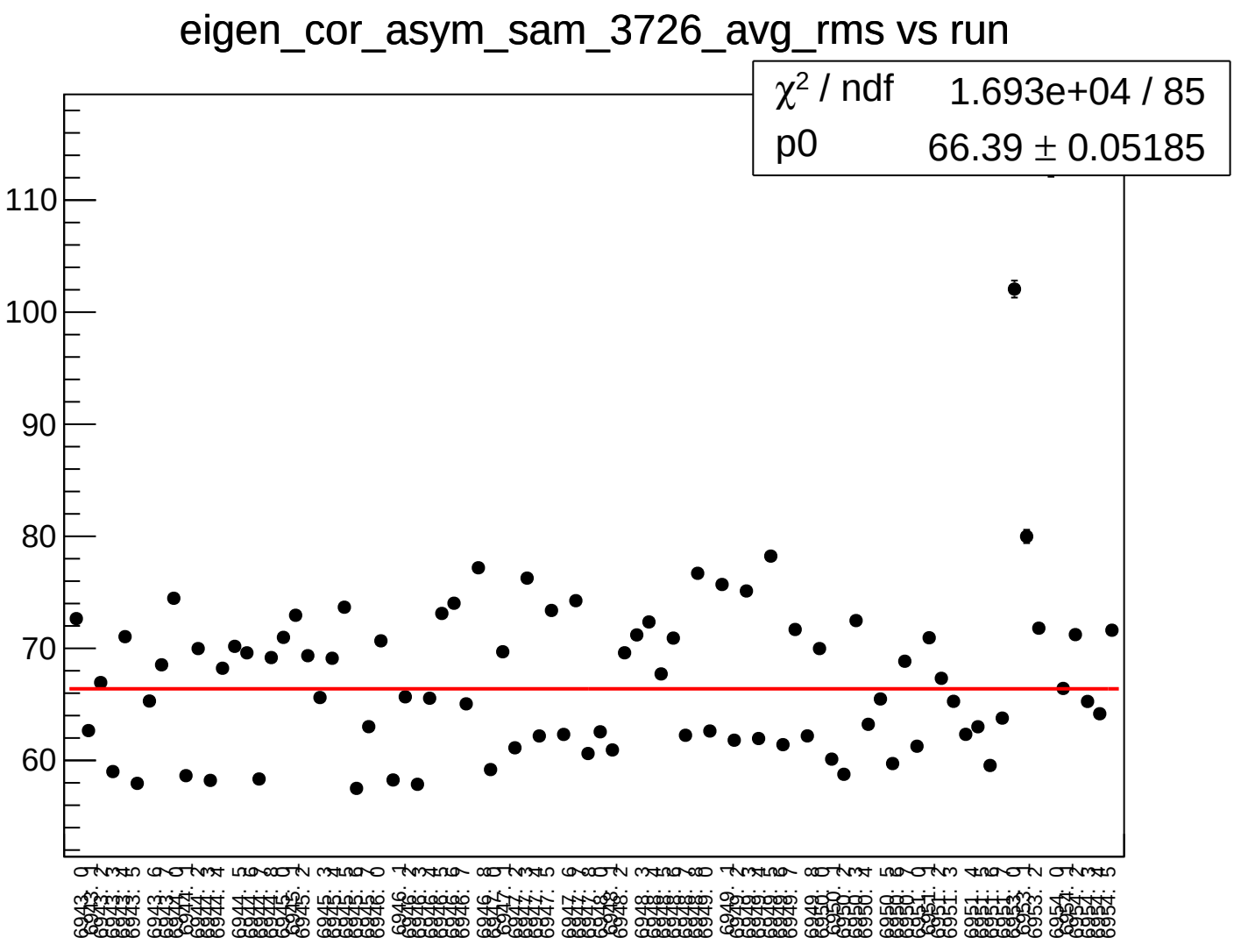

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 85.07 / 85
p0 −3337 ± 917.3
pull
Entries 86
Mean 5.07
Std Dev 0

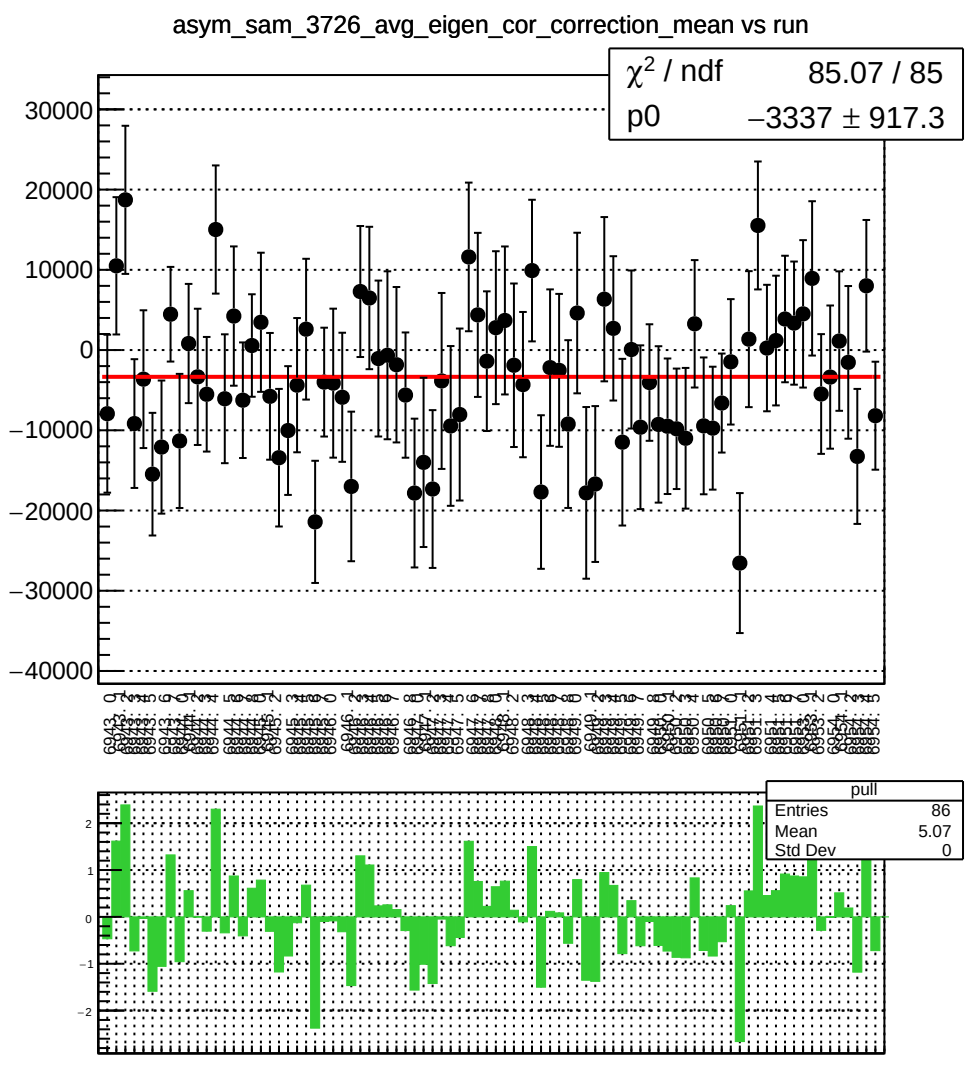

pull1D
Entries 86
Mean −0.007552
Std Dev 0.9945

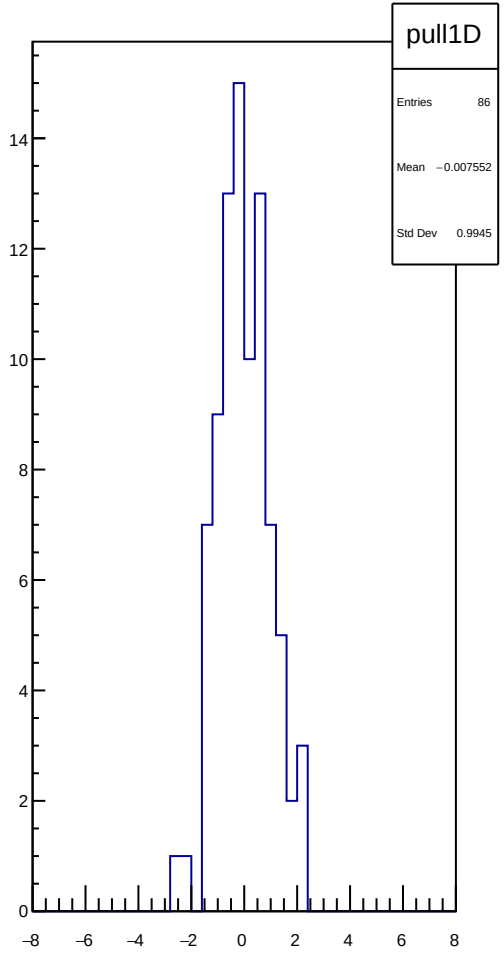

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 1.716e+04 / 85
p0 830.4 ± 0.6487
1050
1000
950
900
850
800
750
700
650

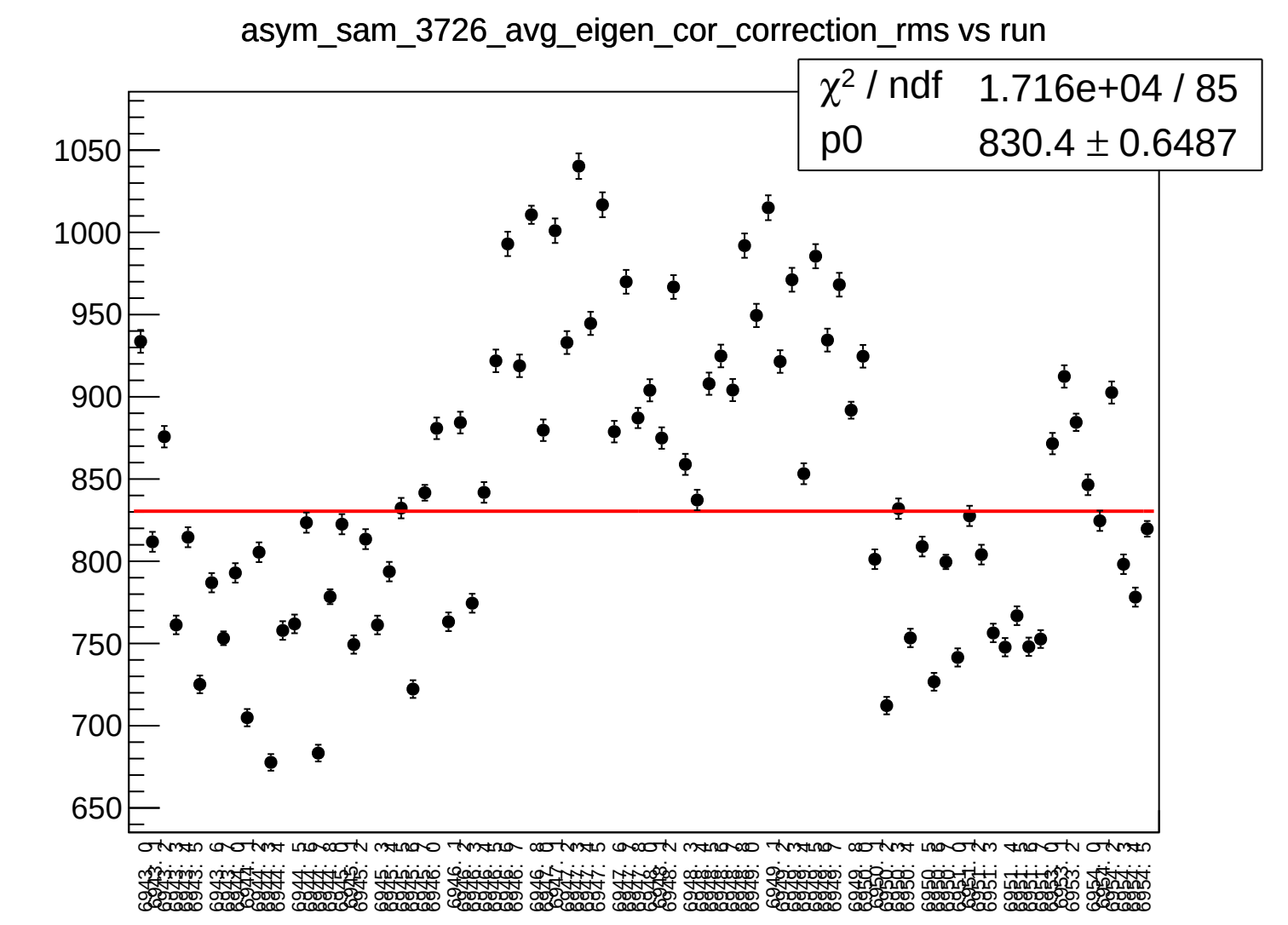

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 70.1 / 85
p0 −102.6 ± 73.33
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −20.39
Std Dev 0
2
1
0
−1
−2

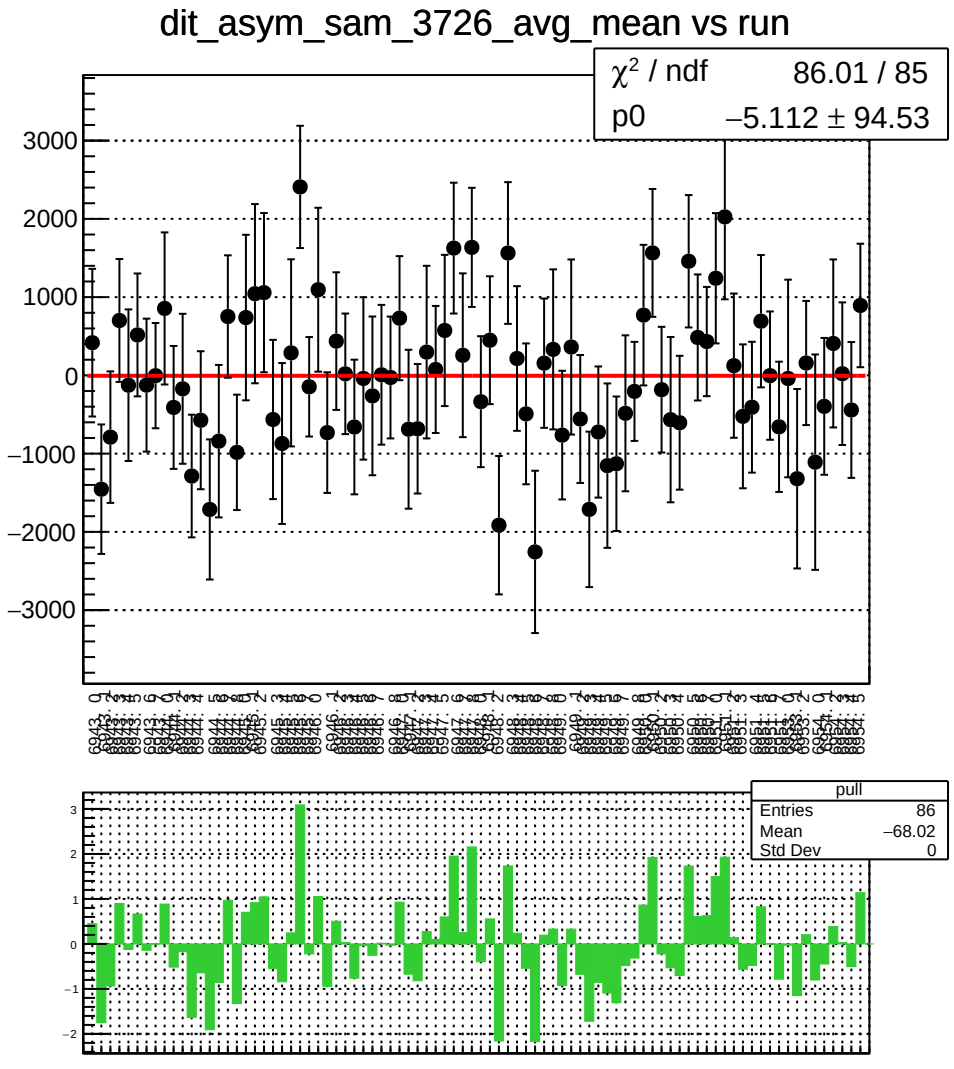

pull1D
Entries 86
Mean −0.01815
Std Dev 0.9026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

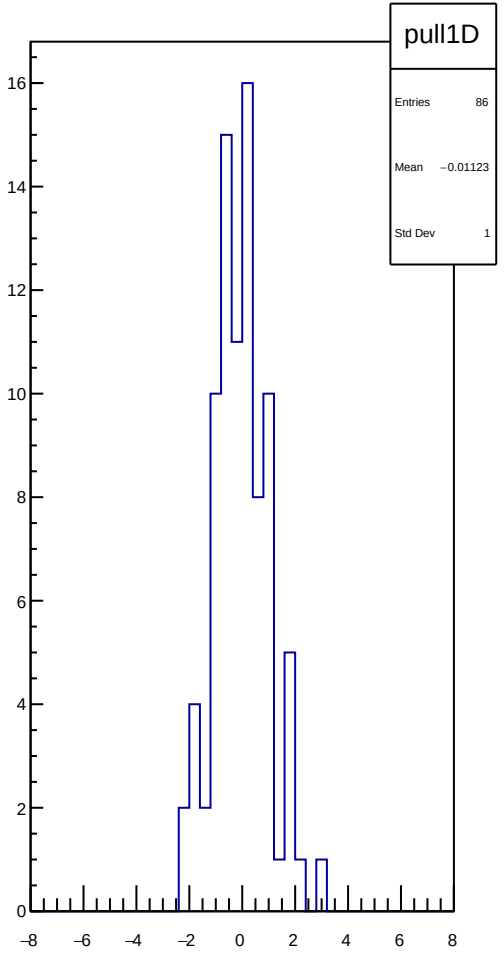

eigen_cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.693e+04 / 85
p0 66.39 ± 0.05185
110
100
90
80
70
60

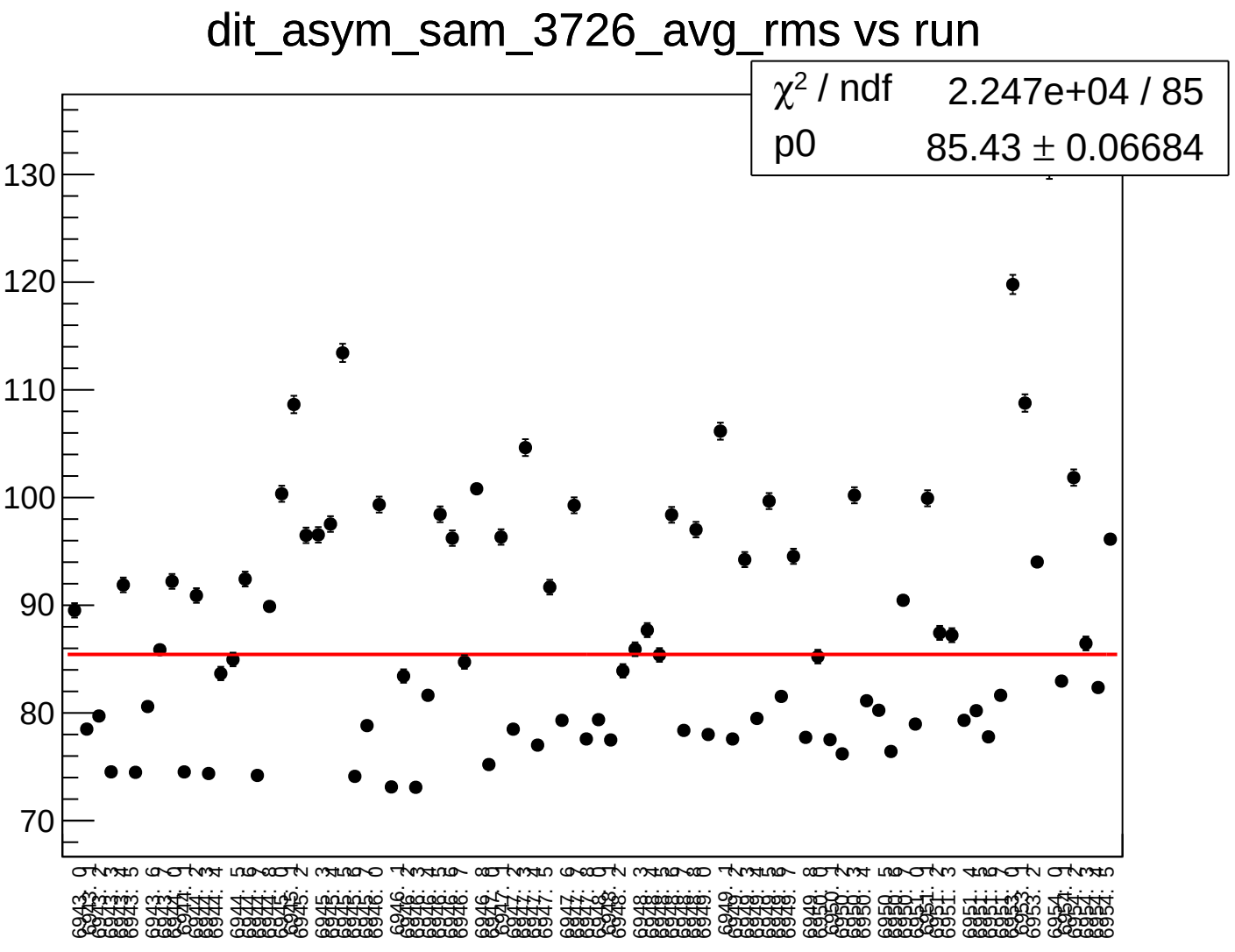

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.07 / 85
p0 −3337 ± 917.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 5.07
Std Dev 0
2
1
0
−1
−2

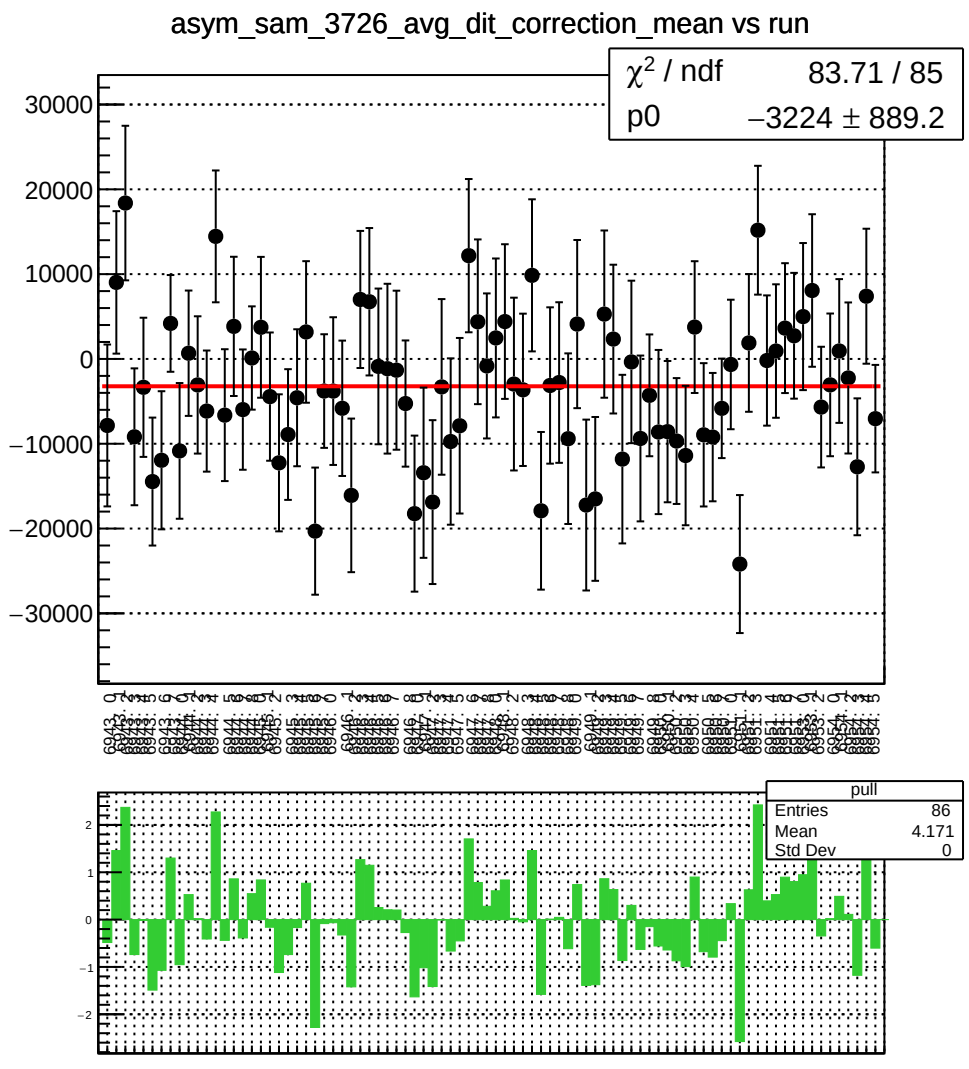

pull1D
Entries 86
Mean −0.007552
Std Dev 0.9945
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

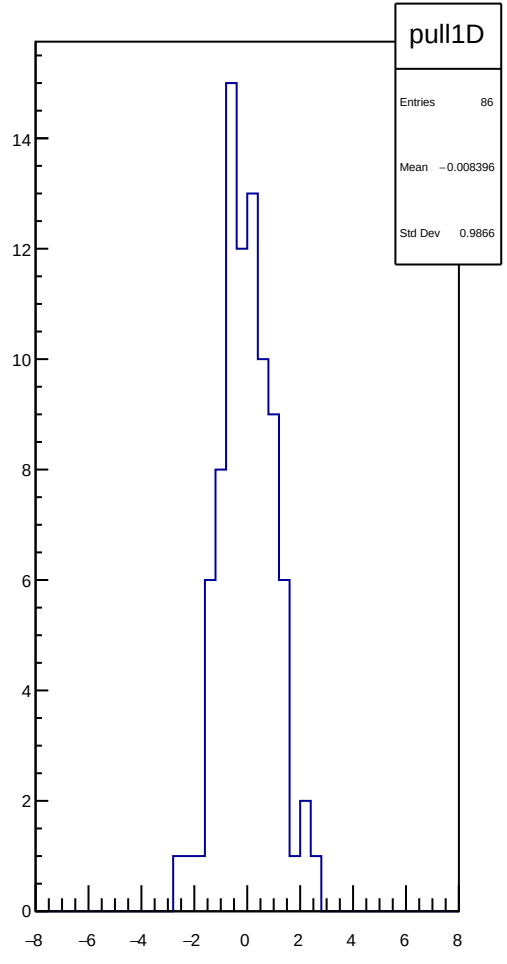

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.716e+04 / 85
p0 830.4 ± 0.6487
1050
1000
950
900
850
800
750
700
650

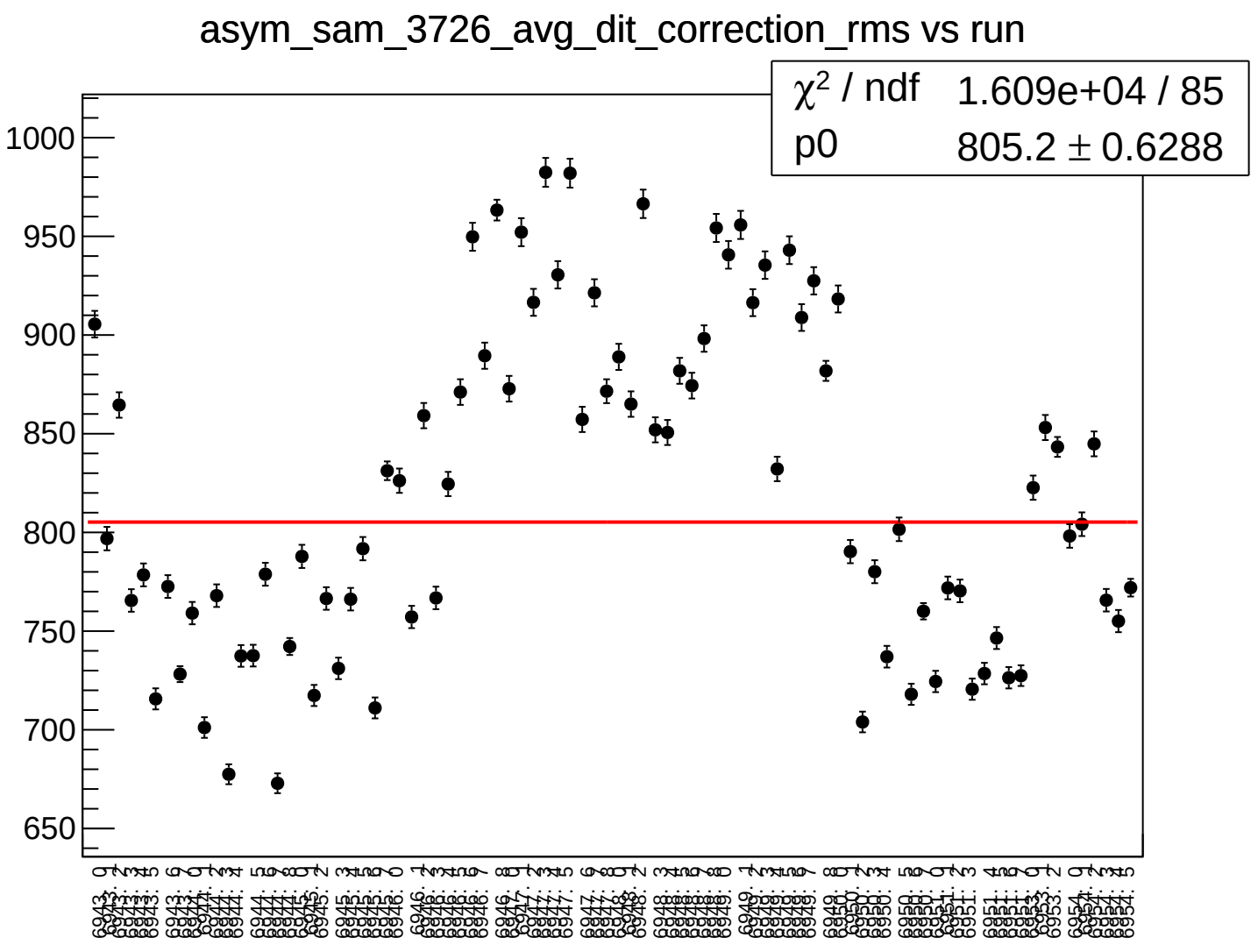

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.01 / 85
p0 −5.112 ± 94.53
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −68.02
Std Dev 0
3
2
1
0
−1
−2

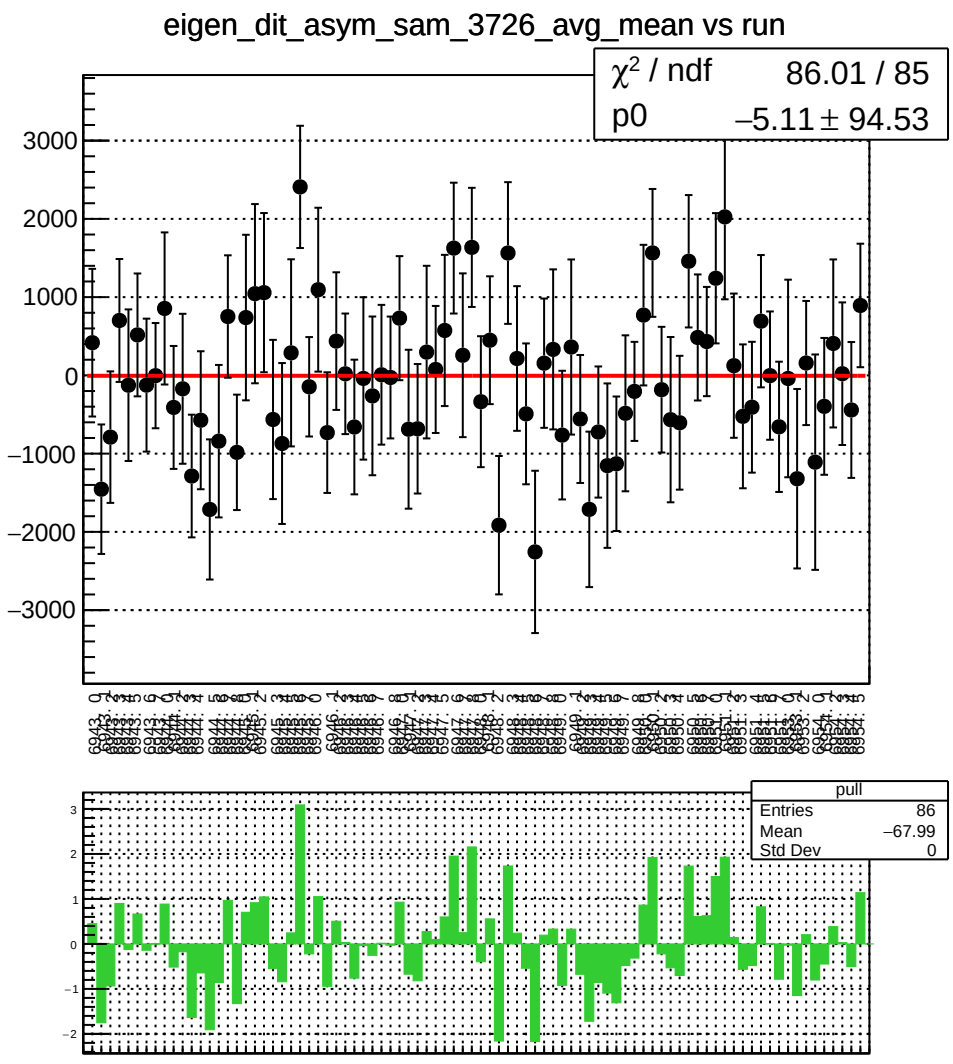

pull1D
Entries 86
Mean −0.01123
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

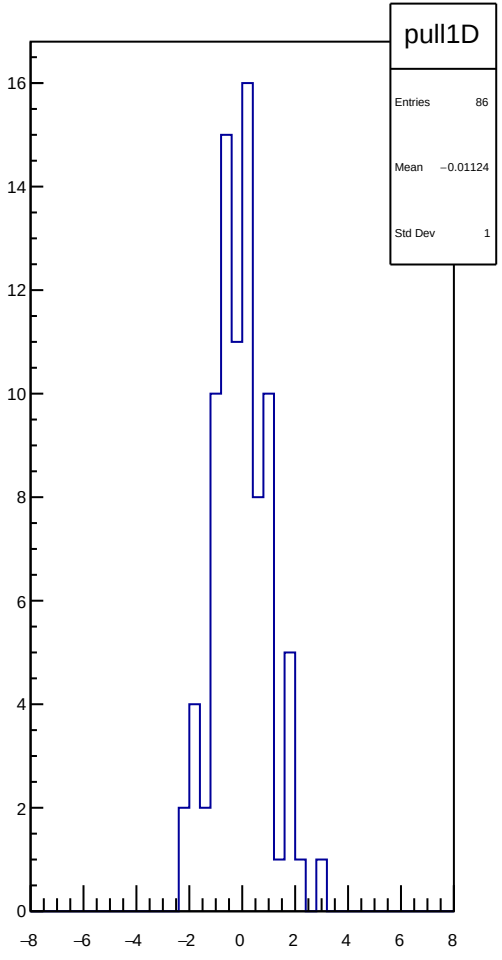

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.247e+04 / 85
p0 85.43 ± 0.06684
130
120
110
100
90
80
70

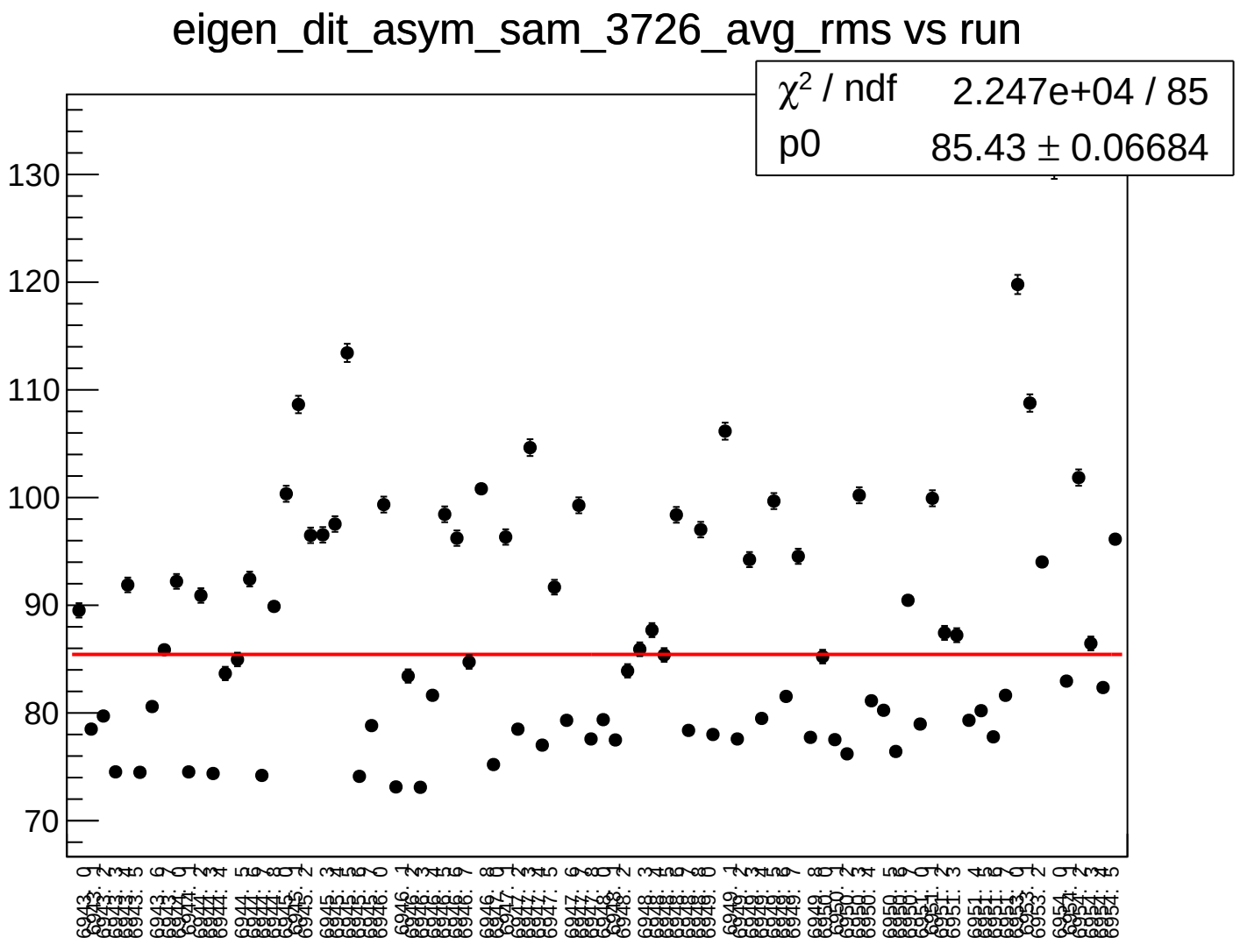

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 83.71 / 85
p0 −3224 ± 889.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 4.171
Std Dev 0
2
1
0
−1
−2

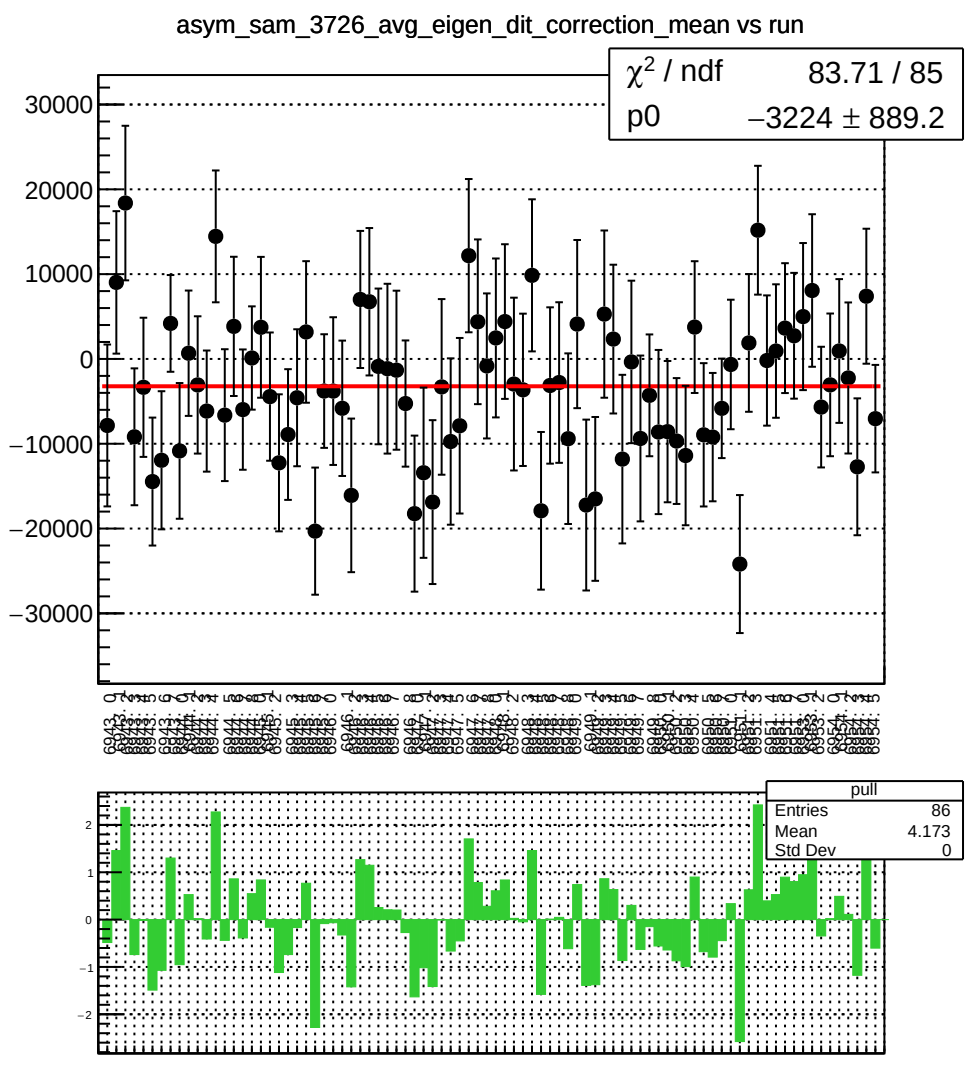

pull1D
Entries 86
Mean −0.008396
Std Dev 0.9866
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

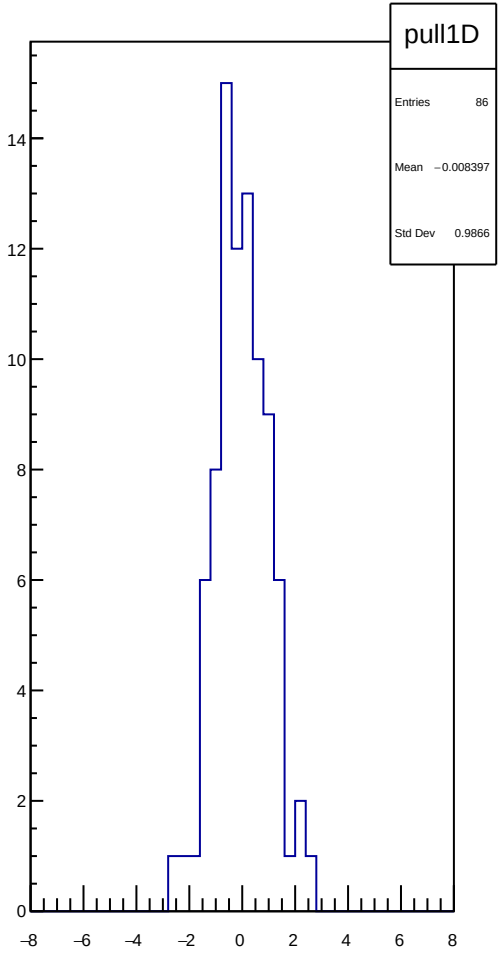

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 1.609e+04 / 85
p0 805.2 ± 0.6288
1000
950
900
850
800
750
700
650


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.01 / 85
p0 −5.11 ± 94.53
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −67.99
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01124
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.247e+04 / 85
p0 85.43 ± 0.06684
130
120
110
100
90
80
70


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.71 / 85
p0 −3224 ± 889.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 4.173
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.008397
Std Dev 0.9866
14
12
10
8
6
4
2
0
−8
−6
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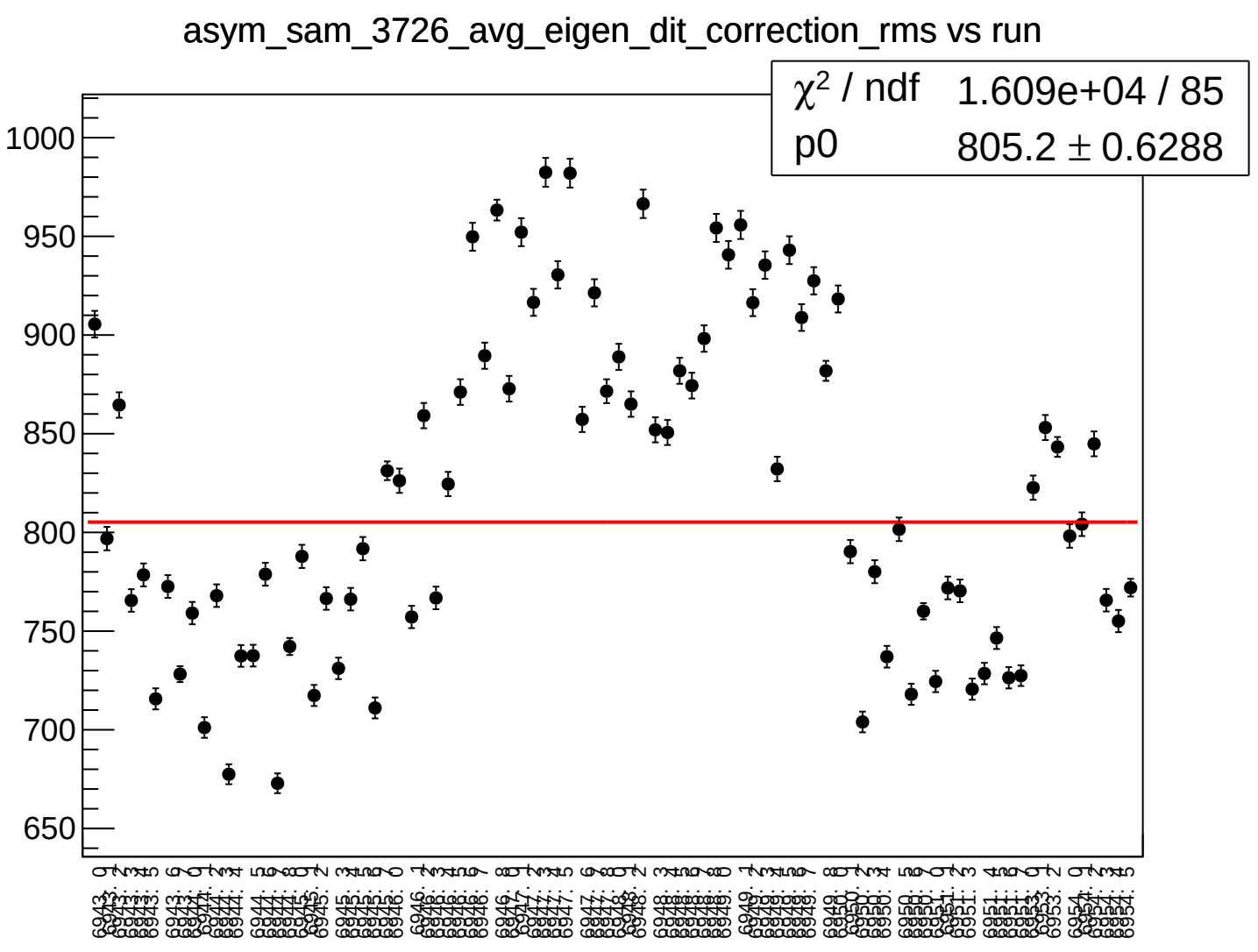
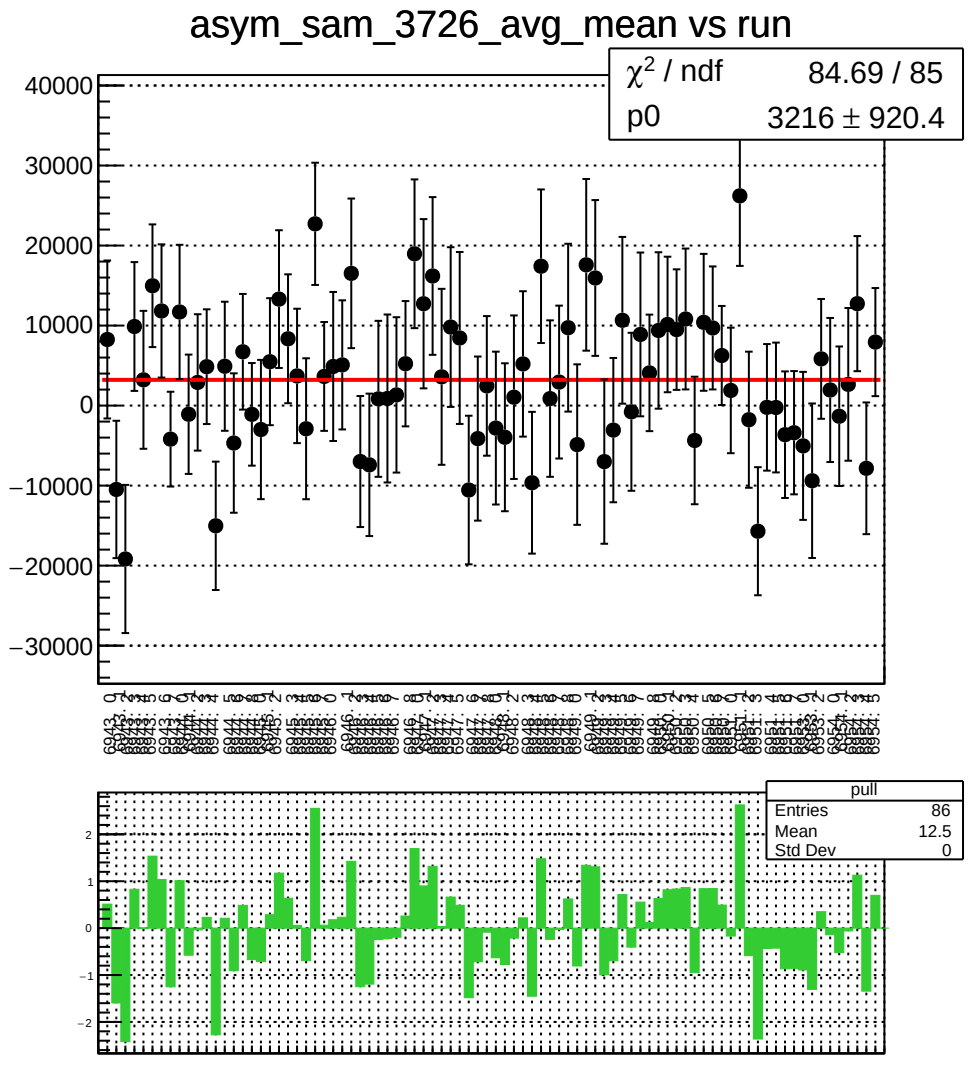
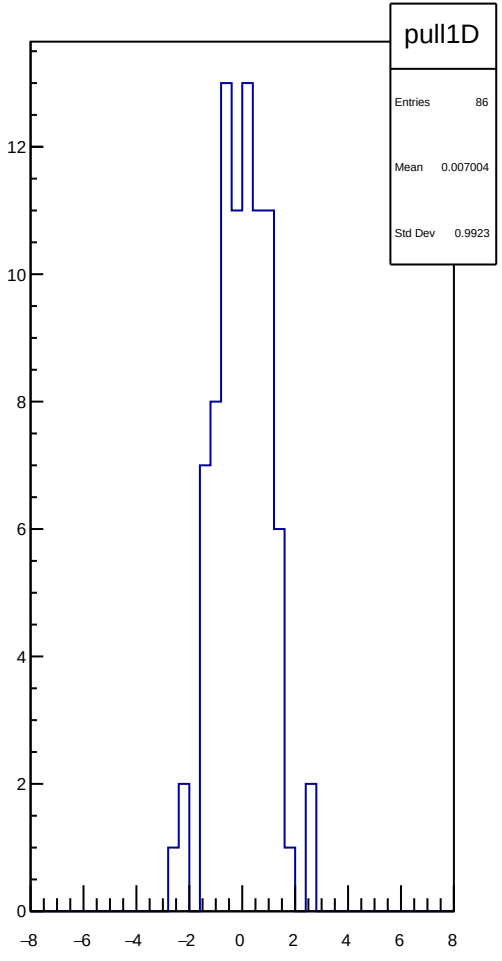
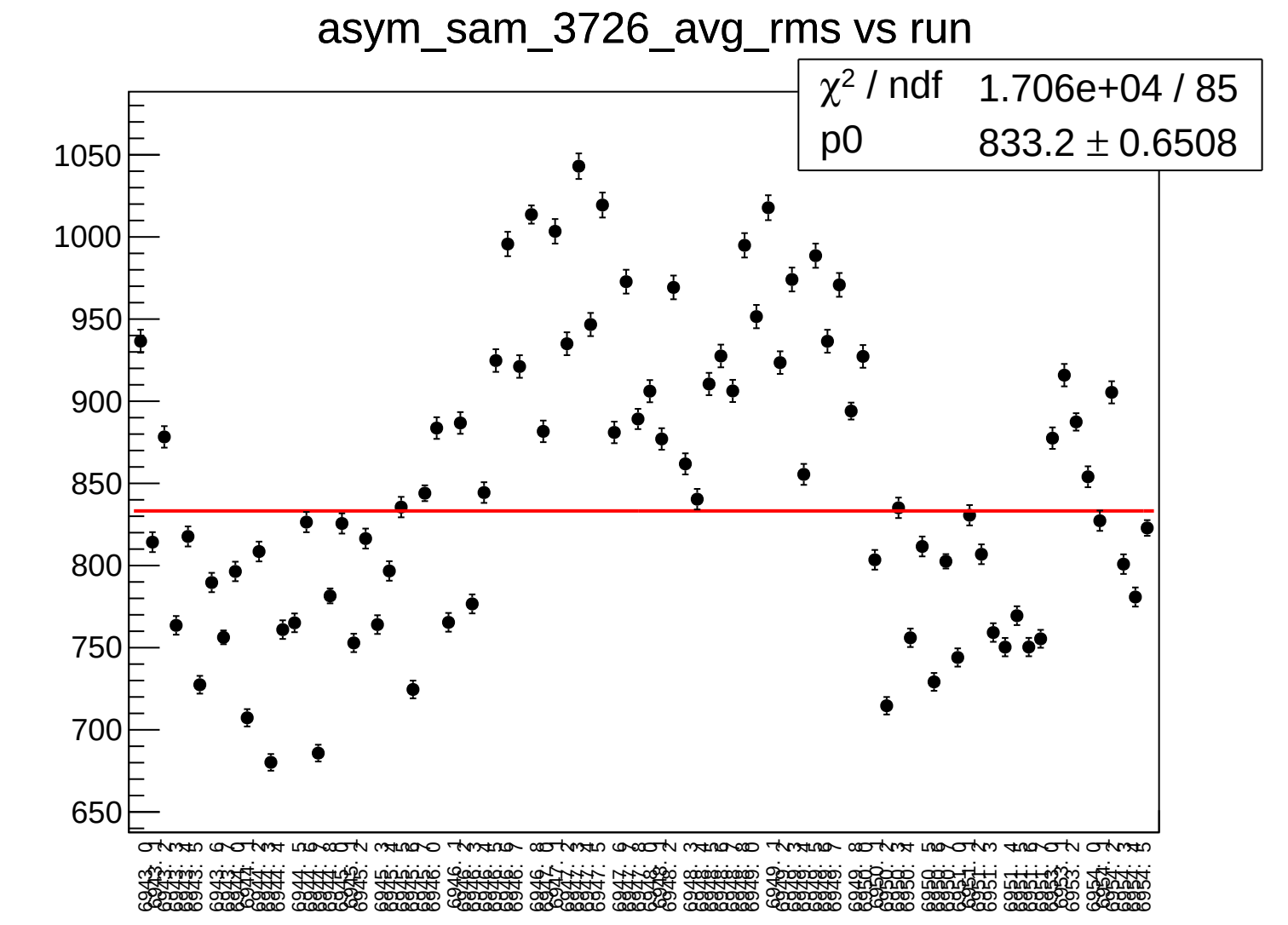
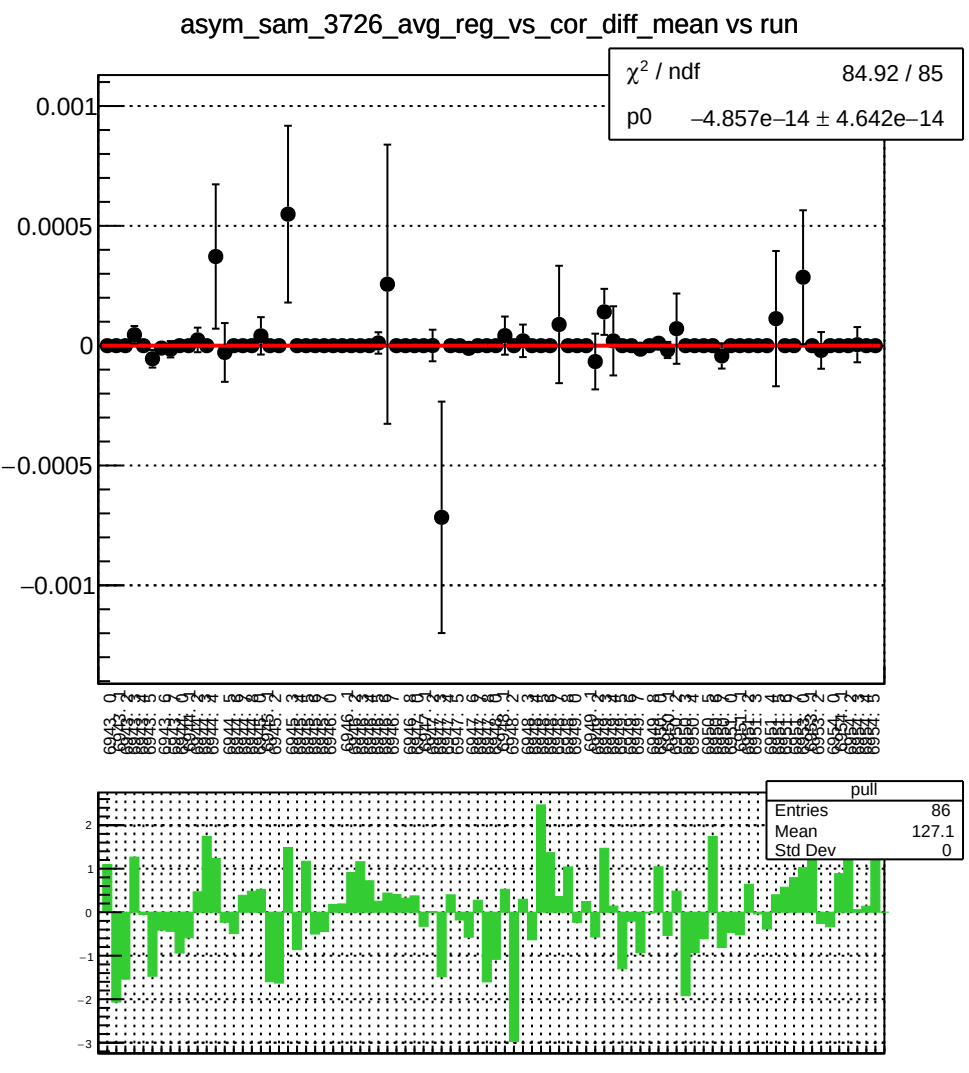
2
4
6
8

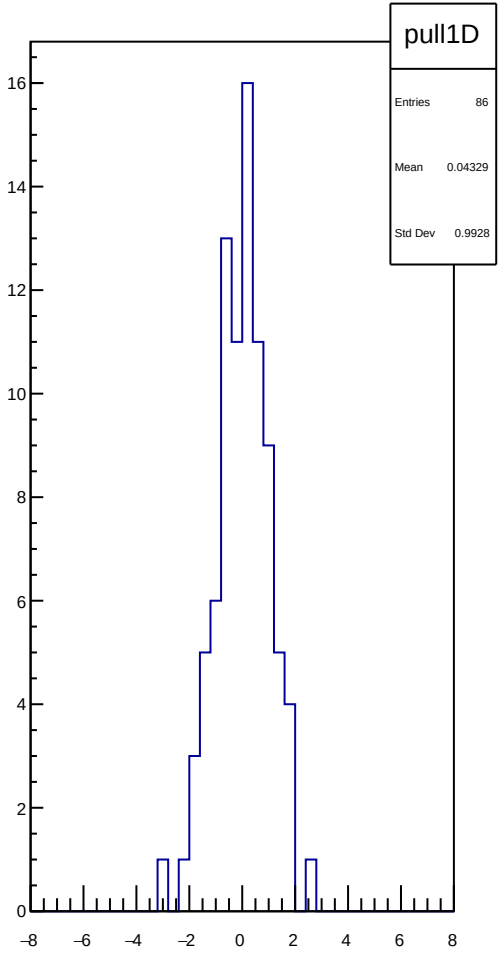

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.609e+04 / 85
p0 805.2 ± 0.6288
1000
950
900
850
800
750
700
650

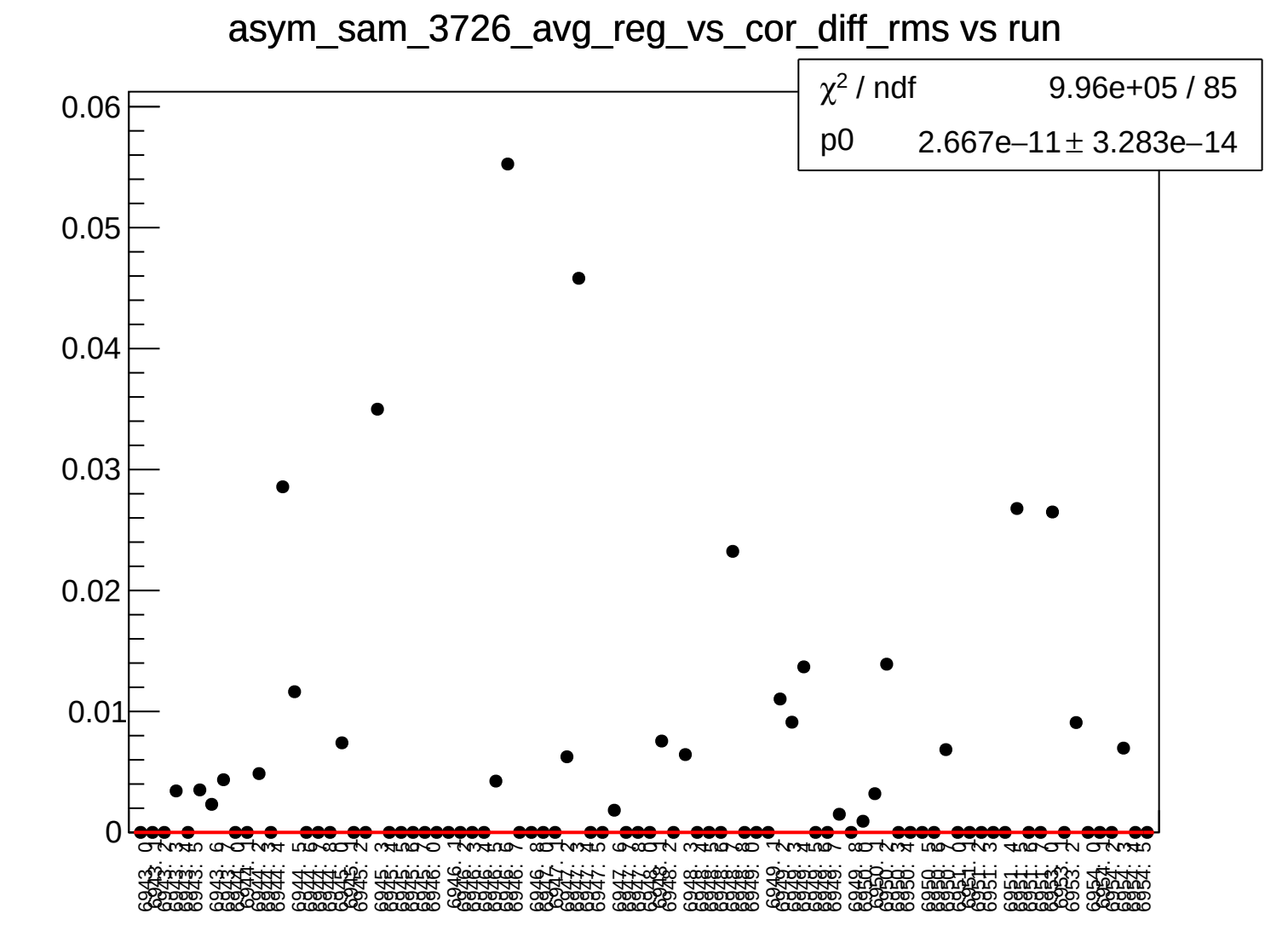

asym_sam_3726_avg_mean vs run
χ² / ndf 84.69 / 85
p0 3216 ± 920.4
pull
Entries 86
Mean 12.5
Std Dev 0

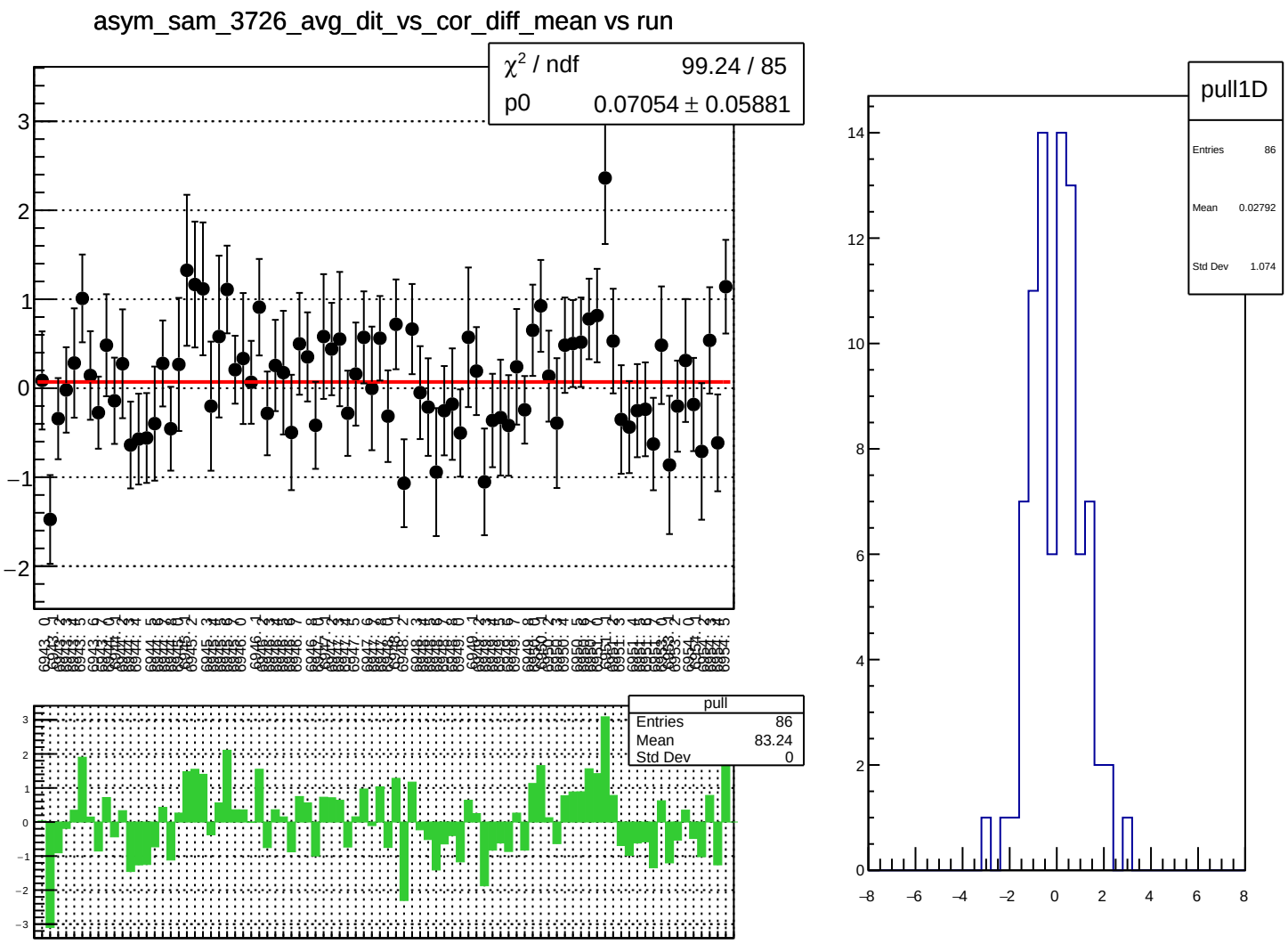

pull1D
Entries 86
Mean 0.007004
Std Dev 0.9923

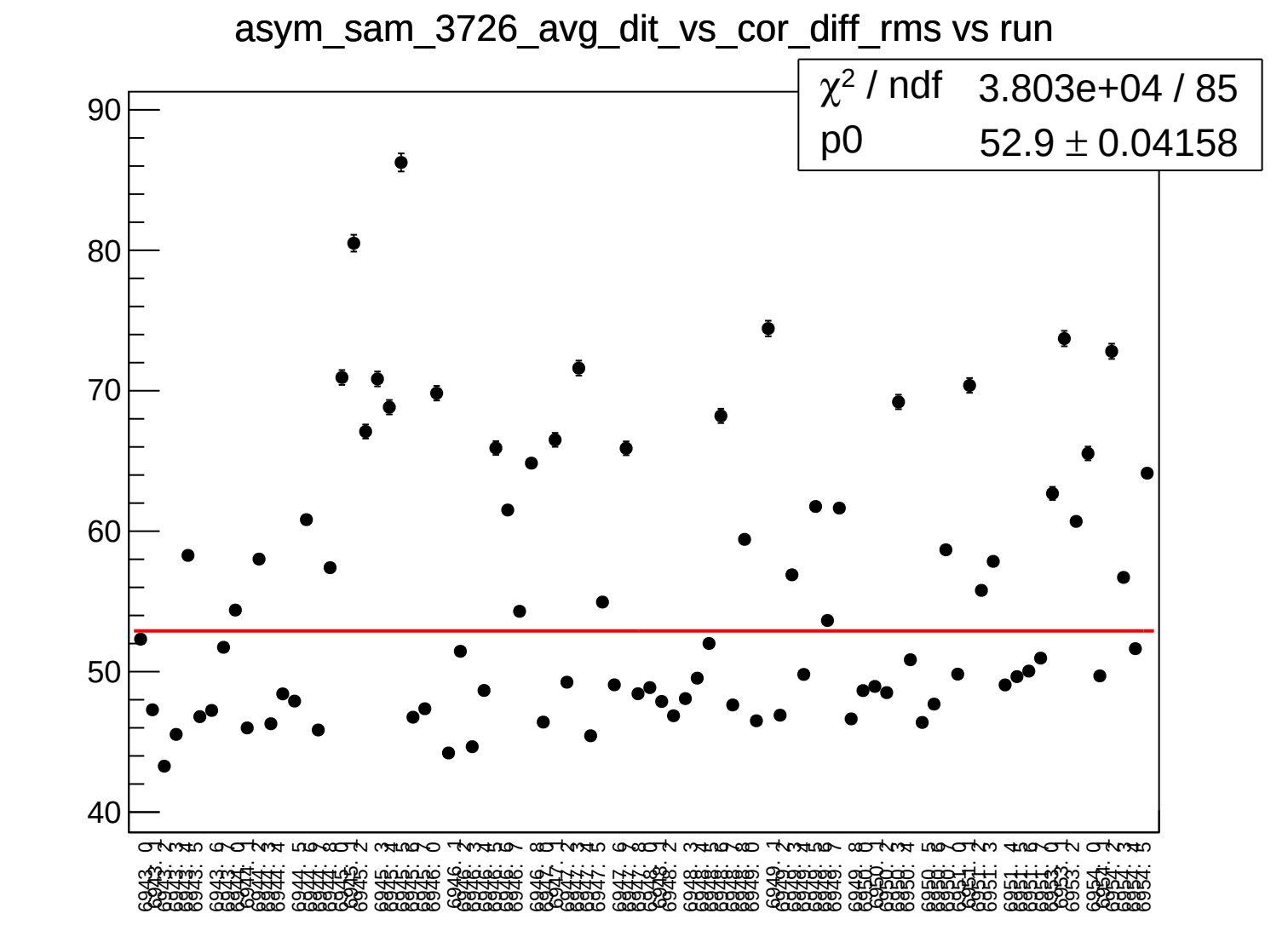

asym_sam_3726_avg_rms vs run
χ² / ndf 1.706e+04 / 85
p0 833.2 ± 0.6508
1050
1000
950
900
850
800
750
700
650

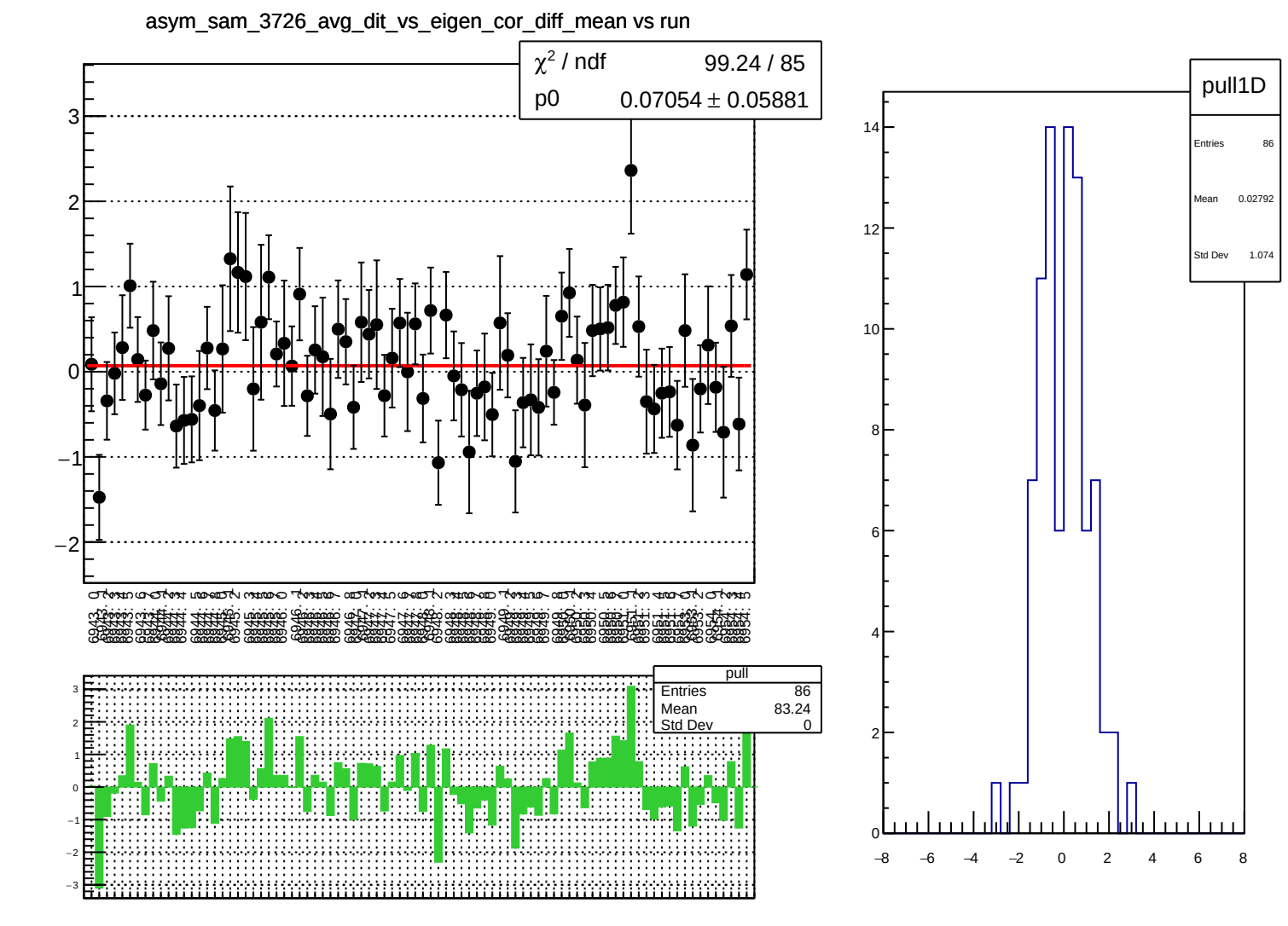

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.92 / 85
p0 −4.857e−14 ± 4.642e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 127.1
Std Dev 0
2
1
0
−1
−2
−3

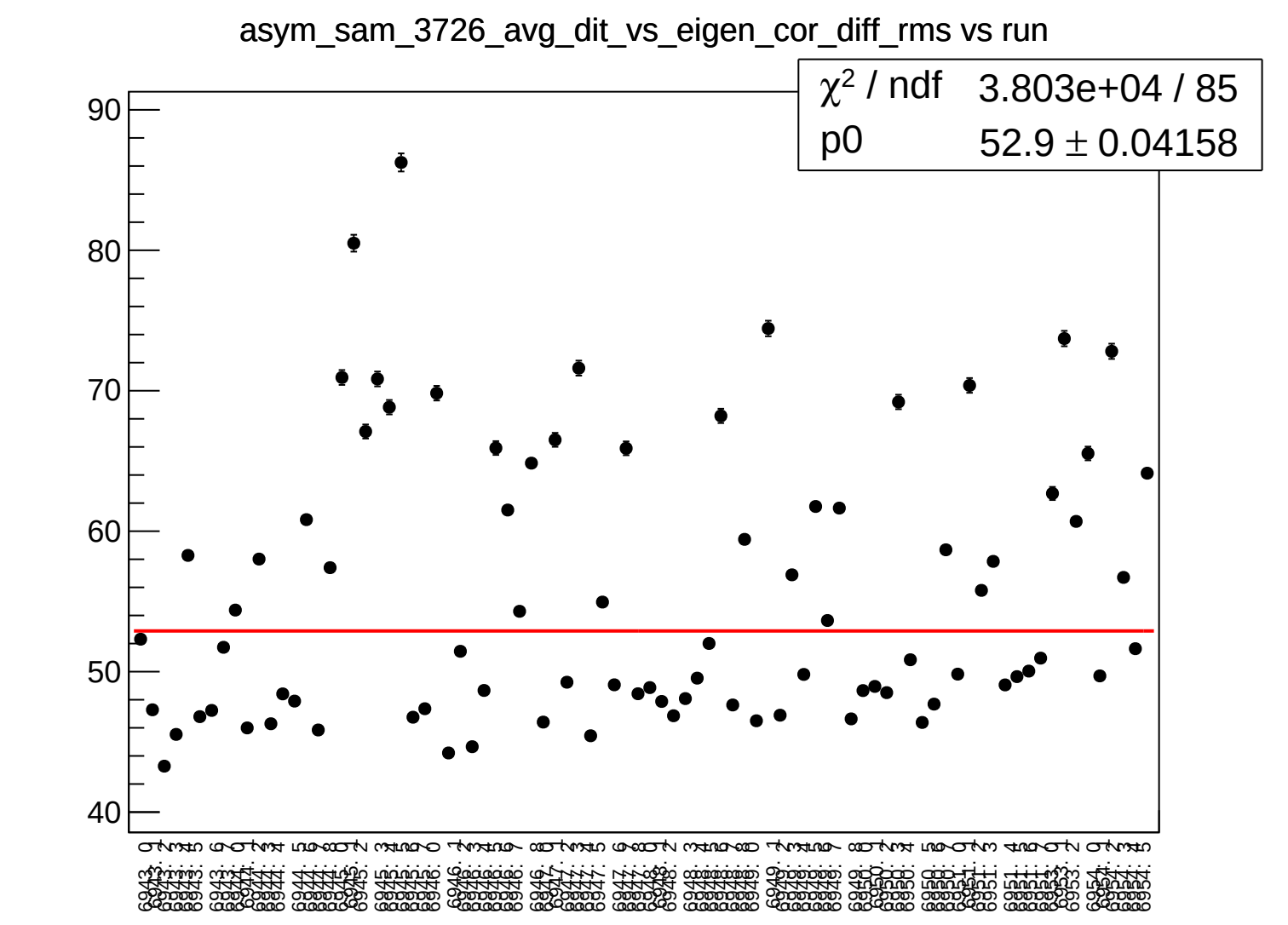

pull1D
Entries 86
Mean 0.04329
Std Dev 0.9928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

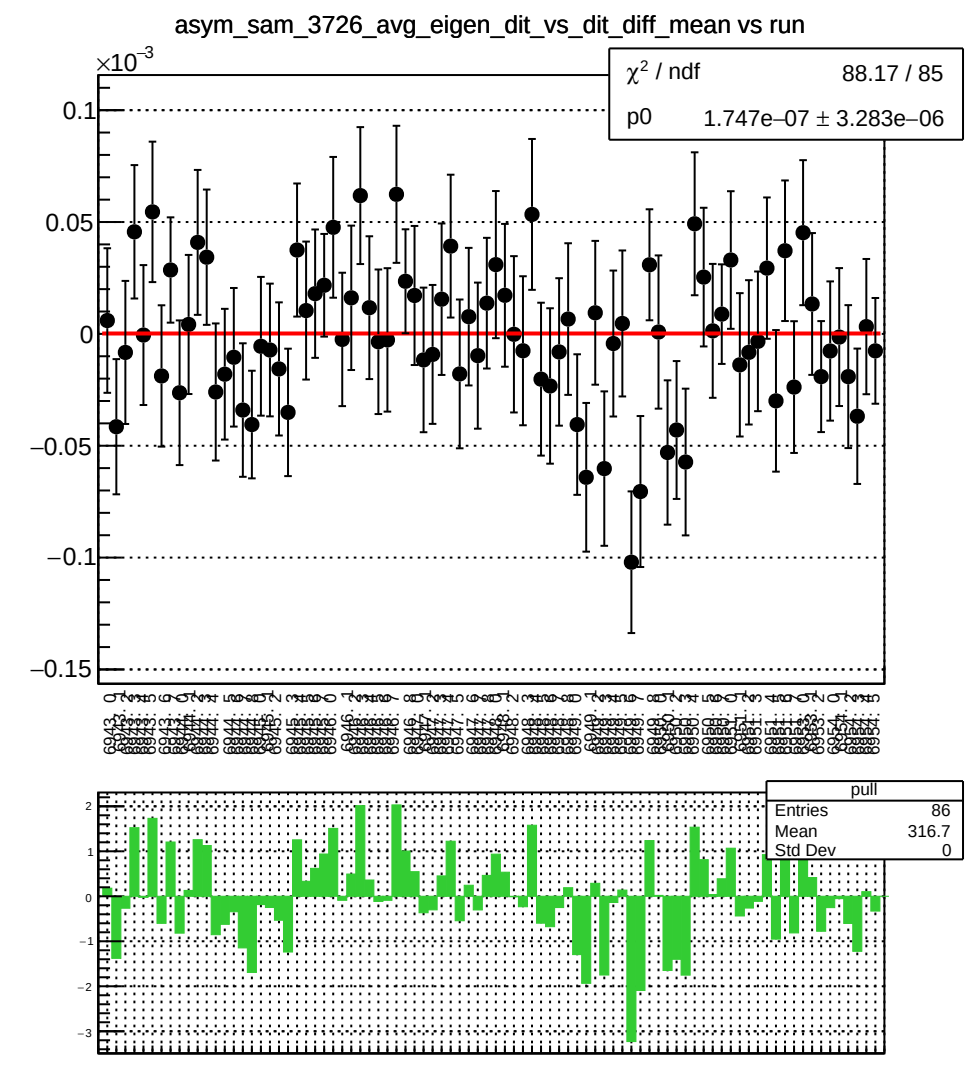

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.96e+05 / 85
p0 2.667e−11 ± 3.283e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

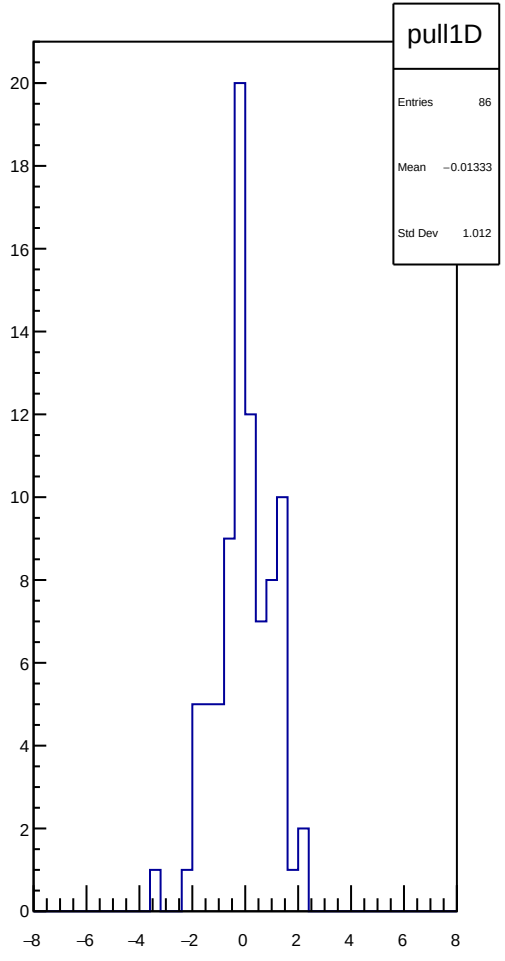

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 99.24 / 85
p0 0.07054 ± 0.05881
pull
Entries 86
Mean 83.24
Std Dev 0
pull1D
Entries 86
Mean 0.02792
Std Dev 1.074

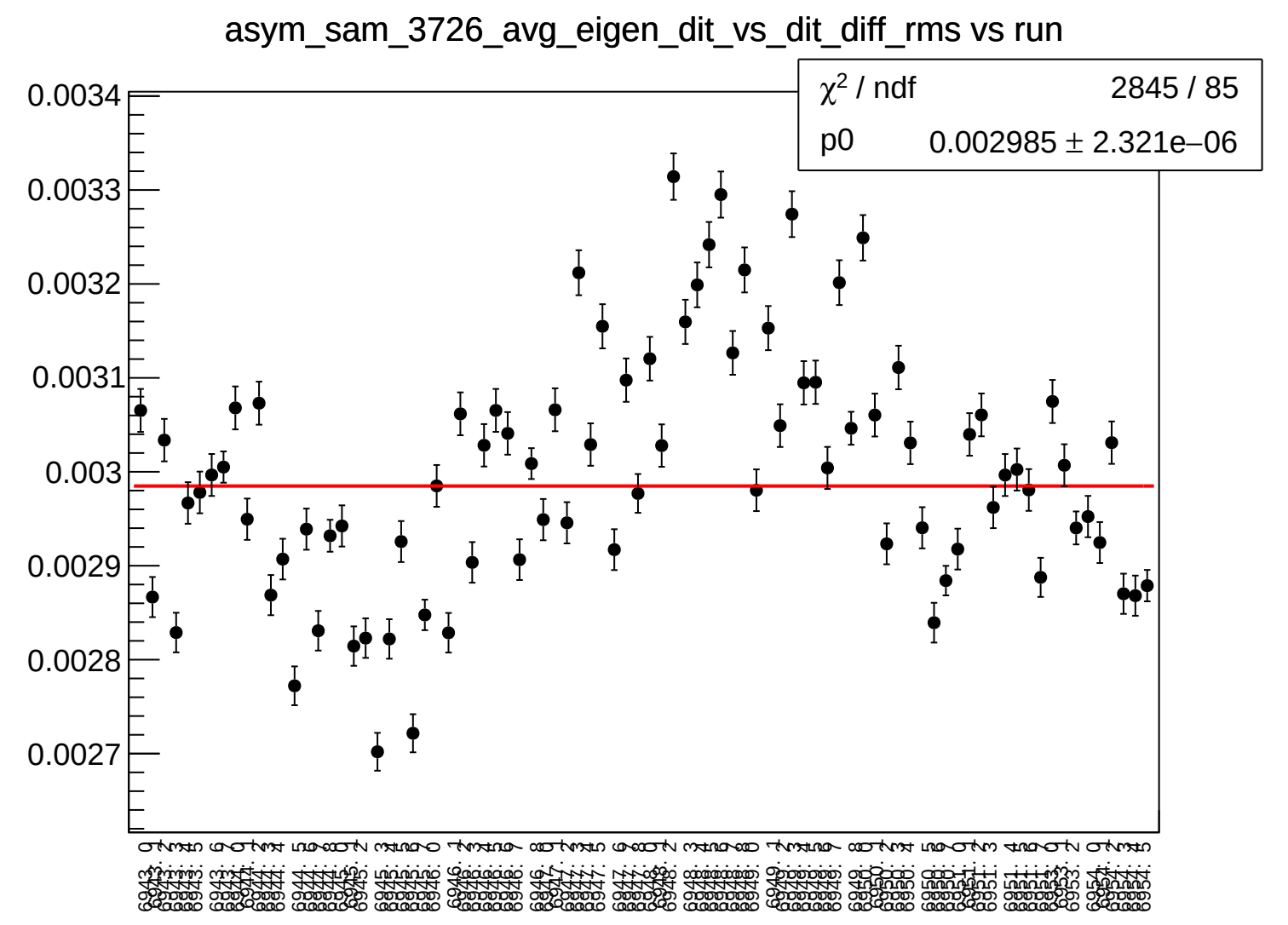

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.803e+04 / 85
p0 52.9 ± 0.04158
90
80
70
60
50
40

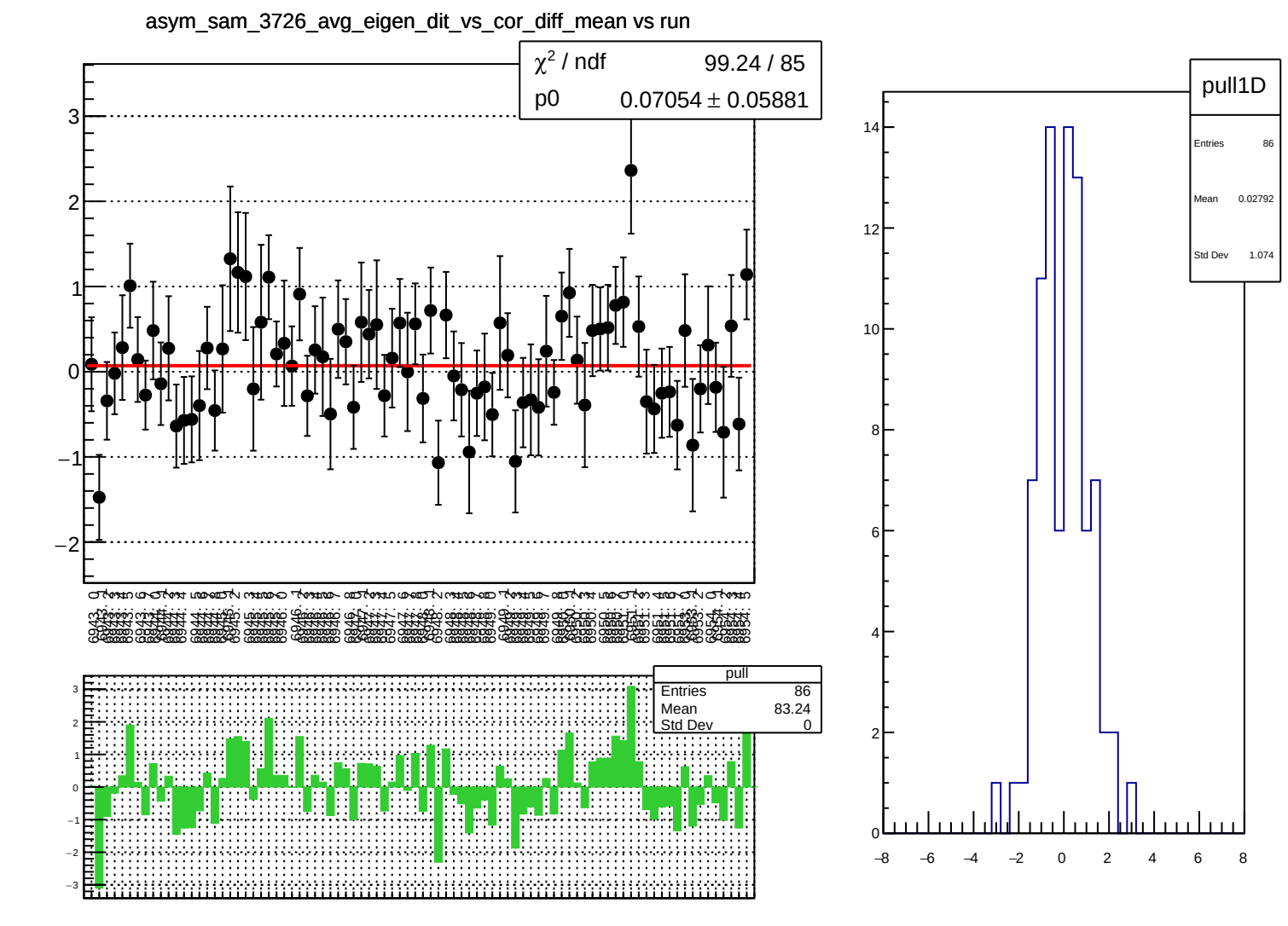

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.24 / 85
p0 0.07054 ± 0.05881
pull
Entries 86
Mean 83.24
Std Dev 0
pull1D
Entries 86
Mean 0.02792
Std Dev 1.074

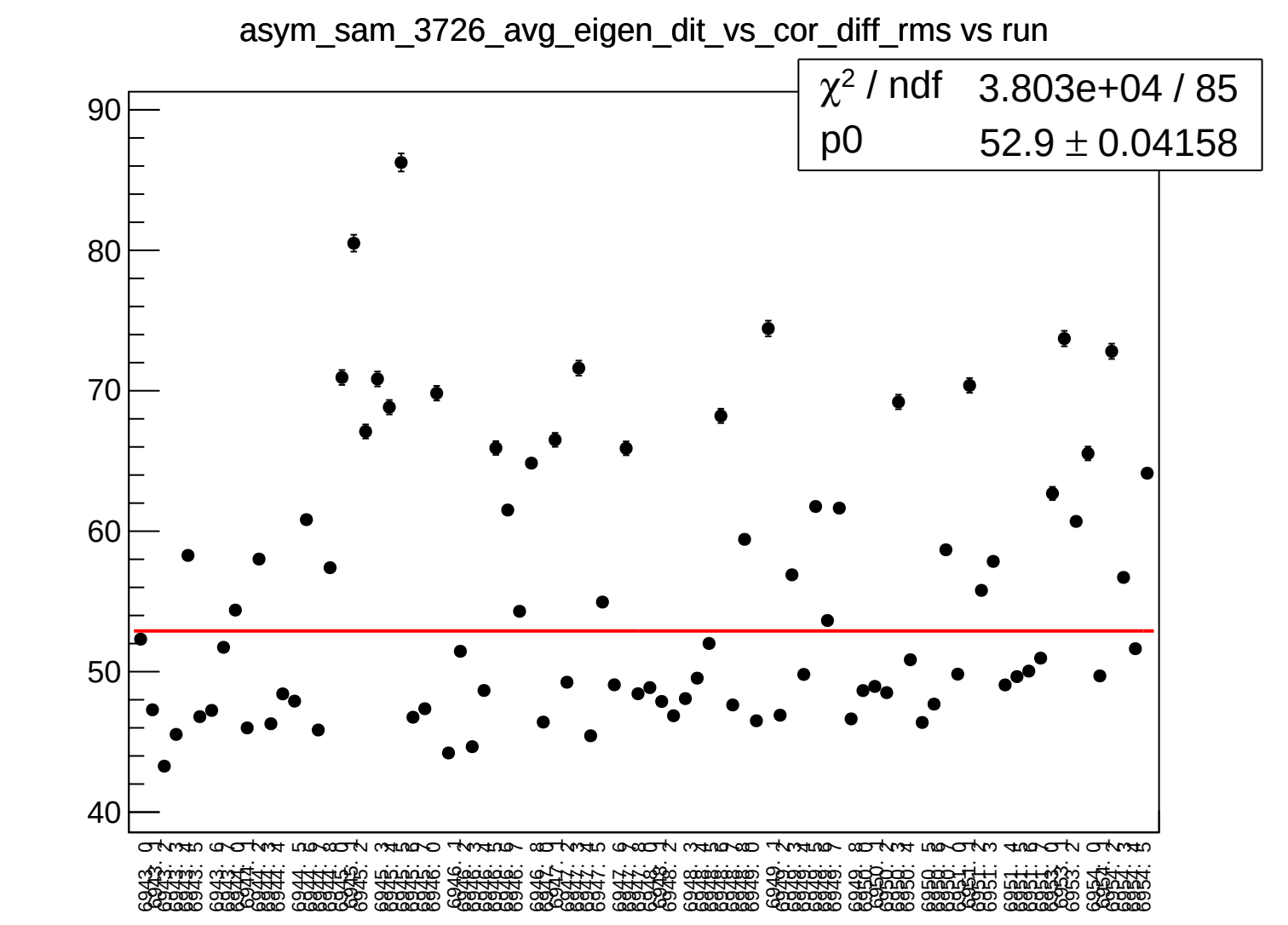

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.803e+04 / 85
p0 52.9 ± 0.04158
90
80
70
60
50
40

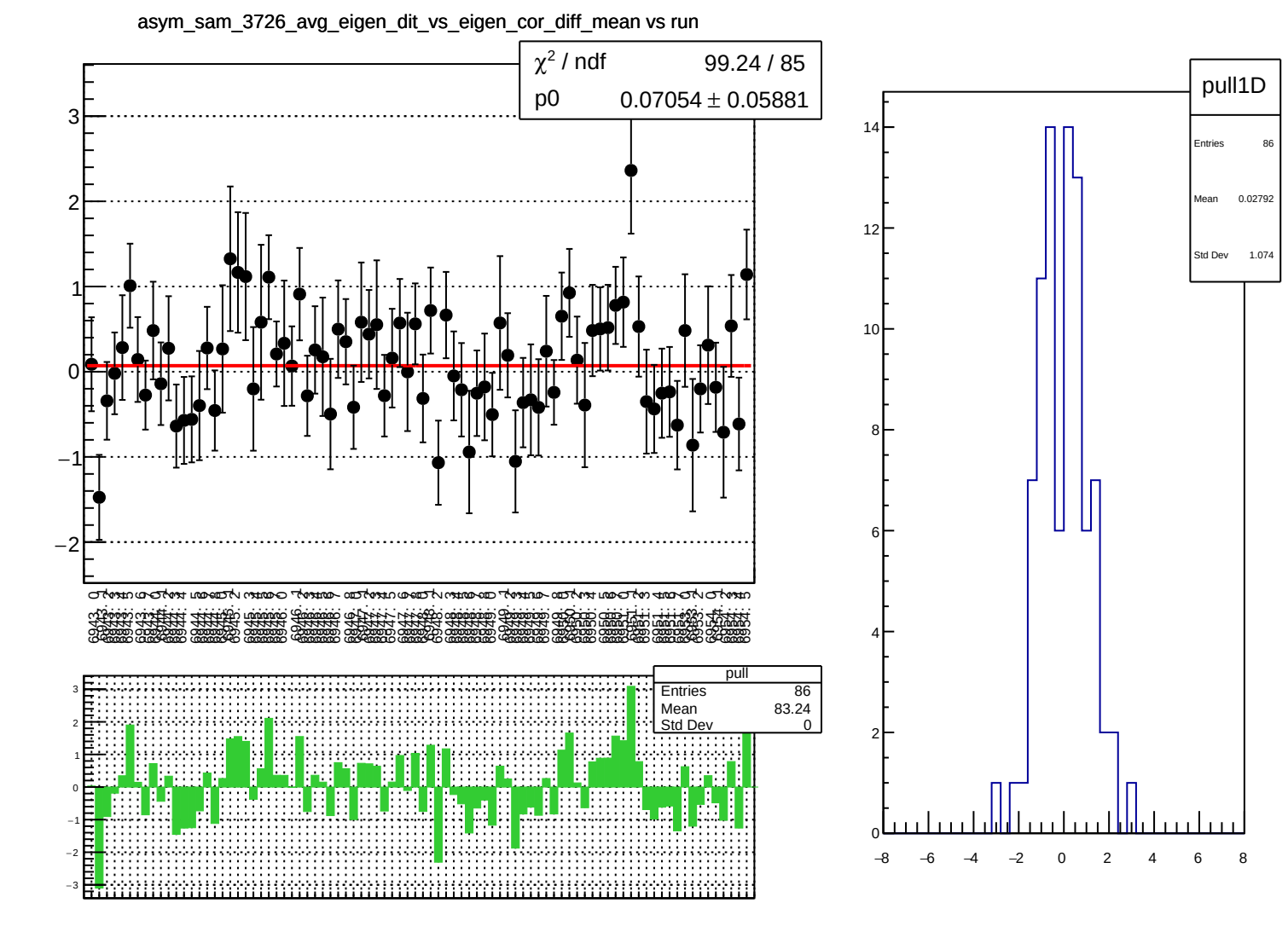

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.17 / 85
p0 1.747e−07 ± 3.283e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 316.7
Std Dev 0
2
1
0
−1
−2
−3

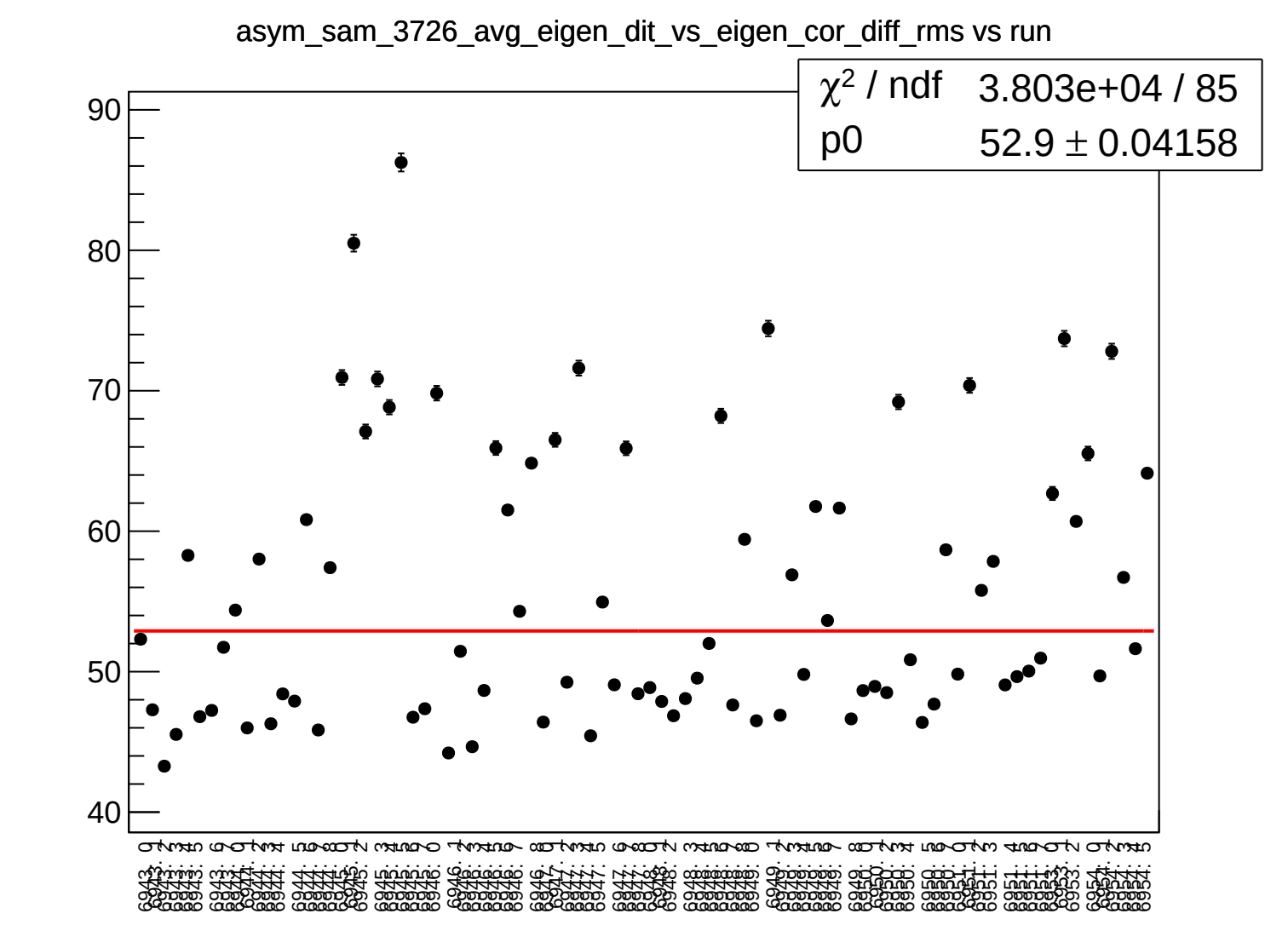

pull1D
Entries 86
Mean −0.01333
Std Dev 1.012
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

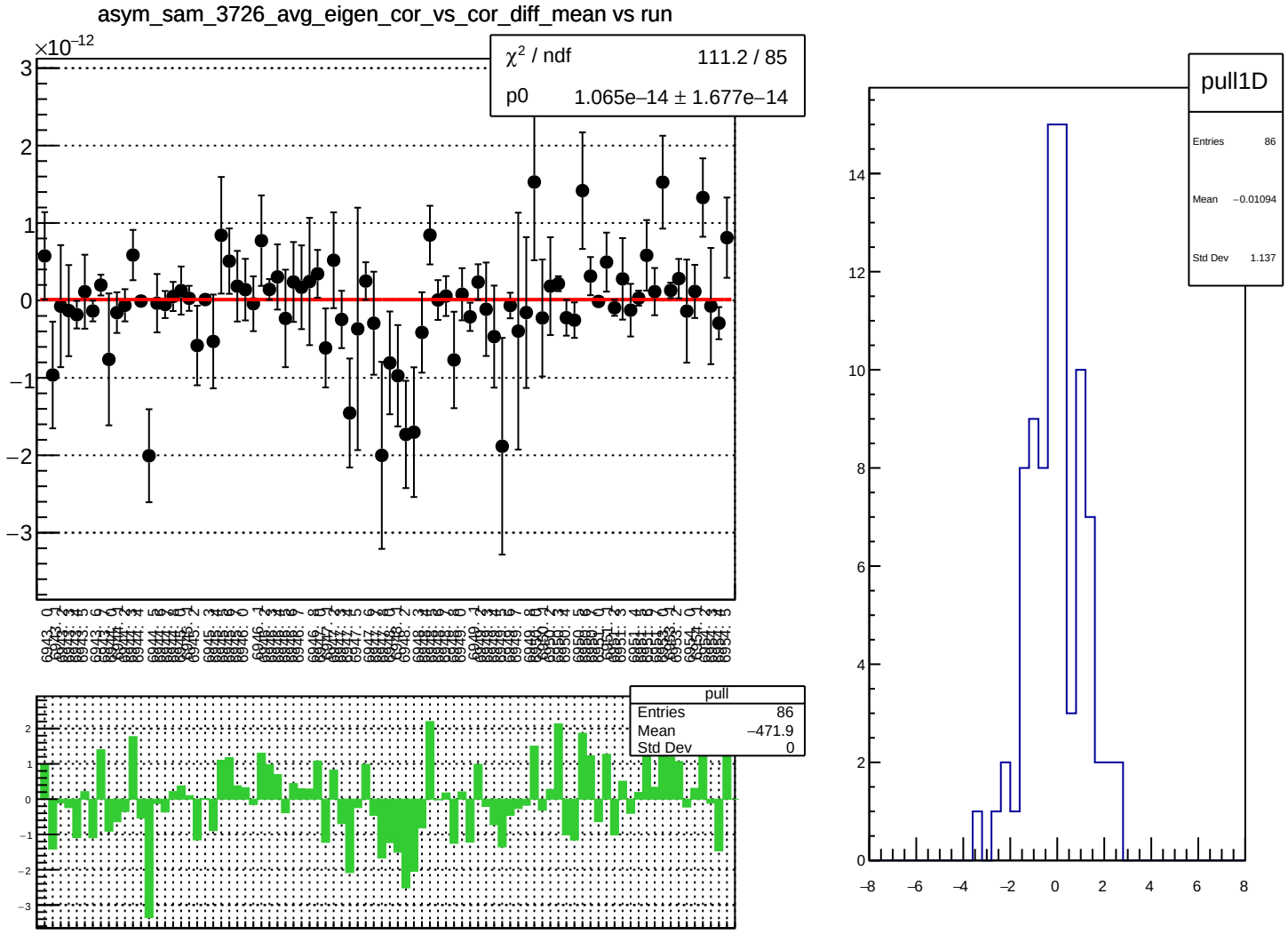

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2845 / 85
p0 0.002985 ± 2.321e−06
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027

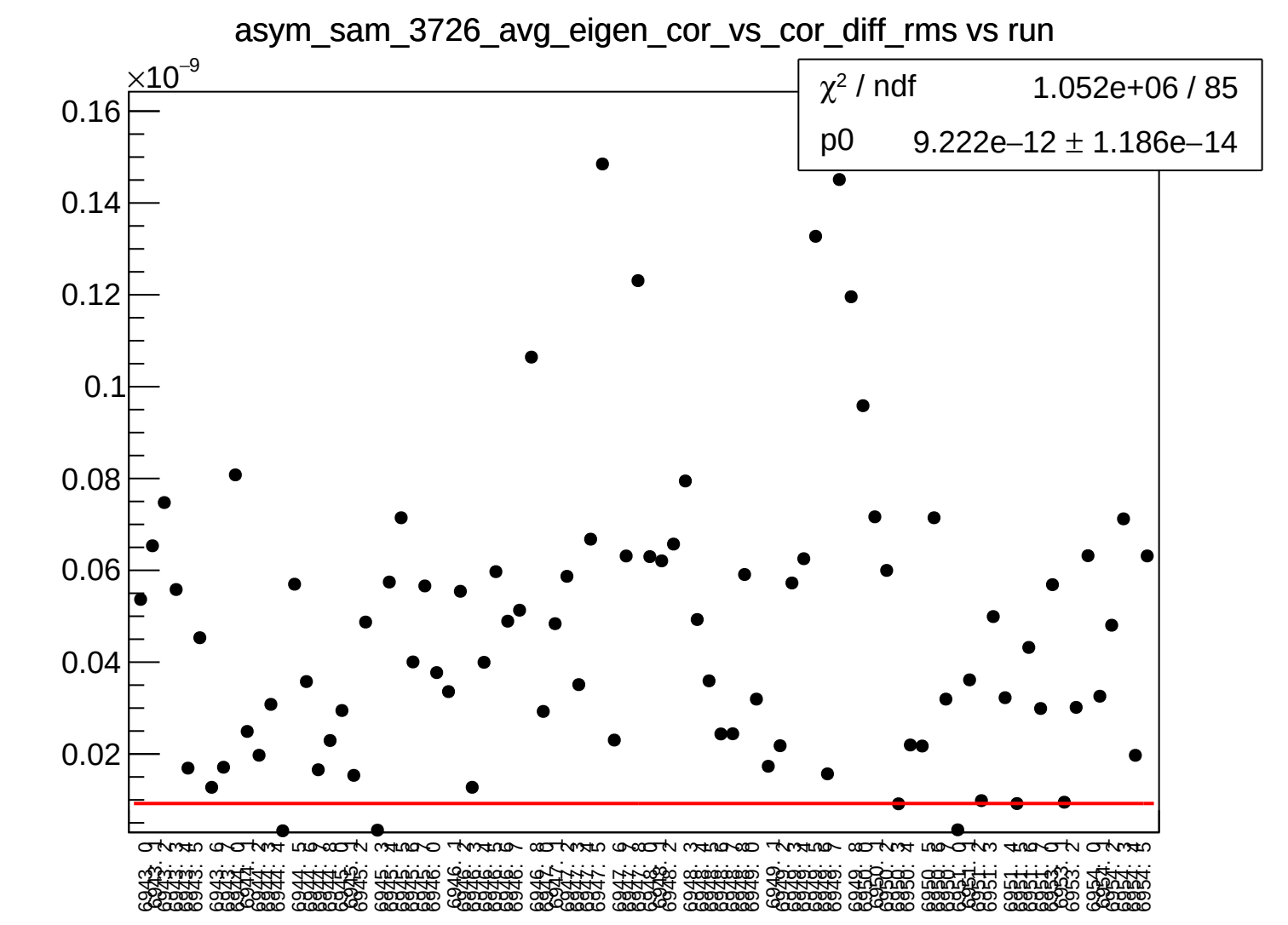

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.24 / 85
p0 0.07054 ± 0.05881
pull
Entries 86
Mean 83.24
Std Dev 0
pull1D
Entries 86
Mean 0.02792
Std Dev 1.074

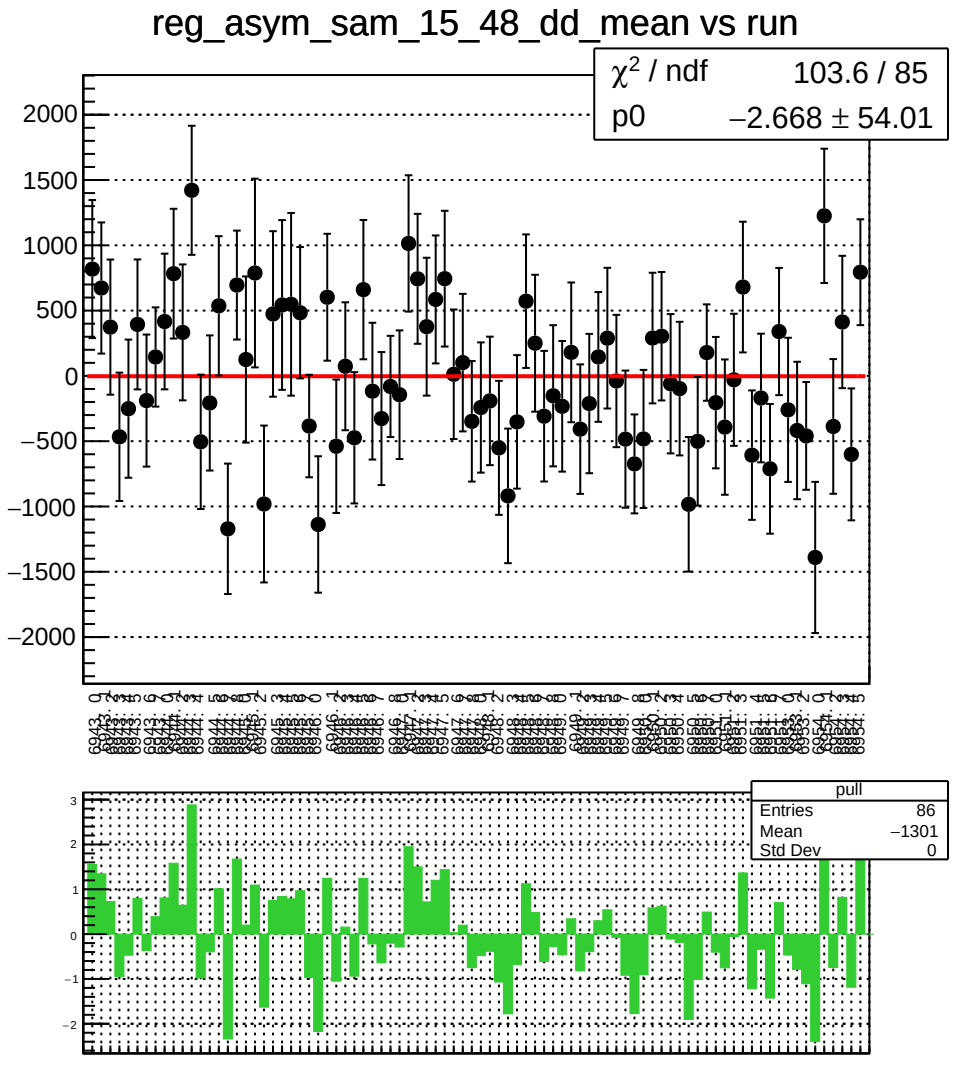

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.803e+04 / 85
p0 52.9 ± 0.04158
90
80
70
60
50
40

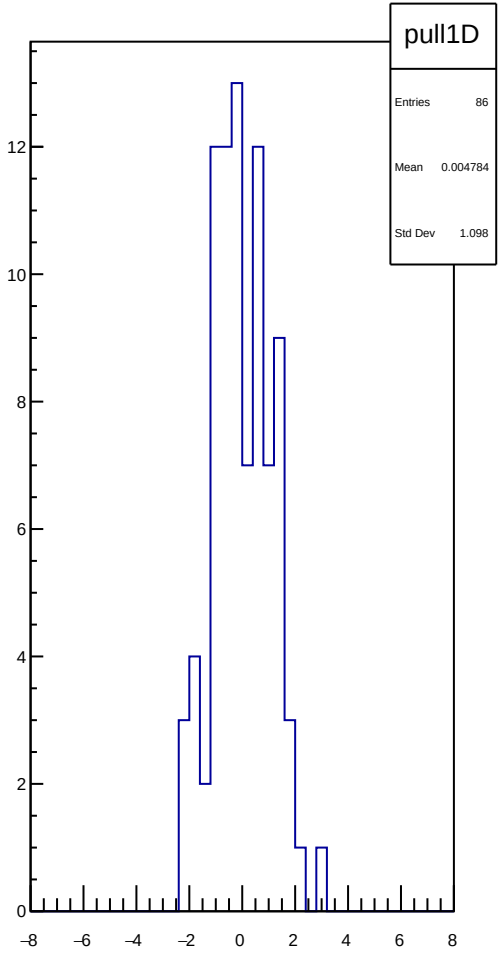

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.24 / 85
p0 0.07054 ± 0.05881
pull
Entries 86
Mean 83.24
Std Dev 0
pull1D
Entries 86
Mean 0.02792
Std Dev 1.074

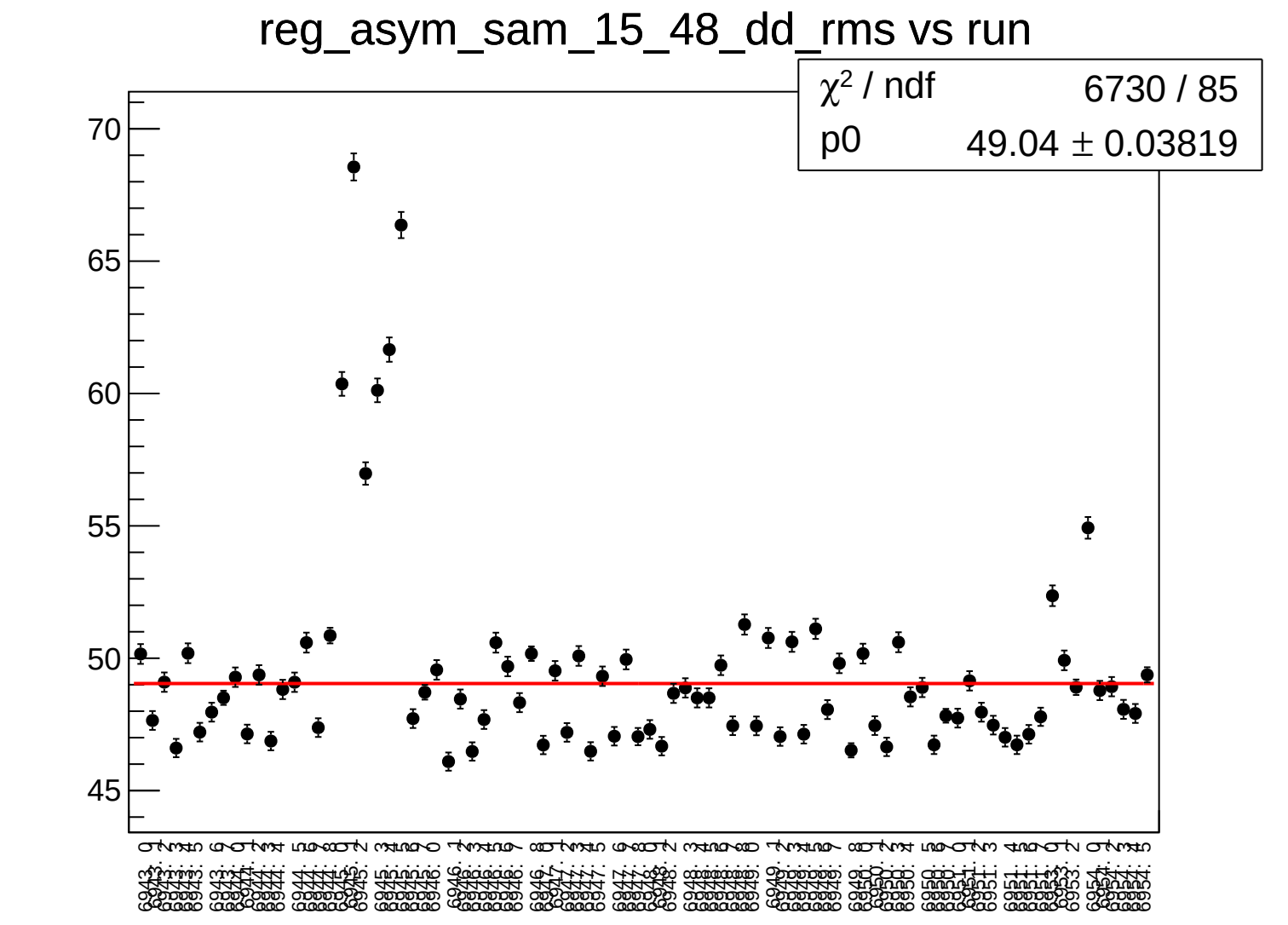

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.803e+04 / 85
p0 52.9 ± 0.04158
90
80
70
60
50
40

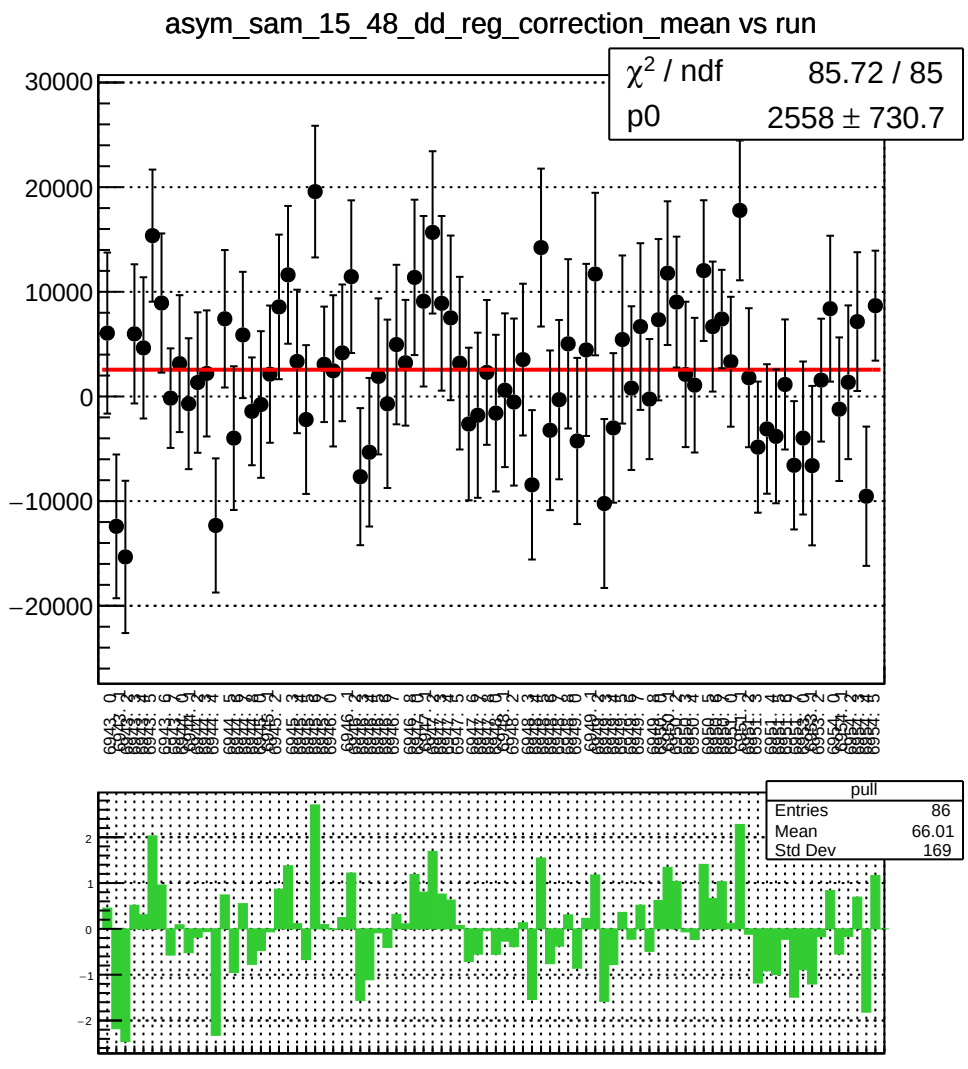

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.2 / 85
p0 1.065e−14 ± 1.677e−14
pull
Entries 86
Mean −471.9
Std Dev 0
pull1D
Entries 86
Mean −0.01094
Std Dev 1.137

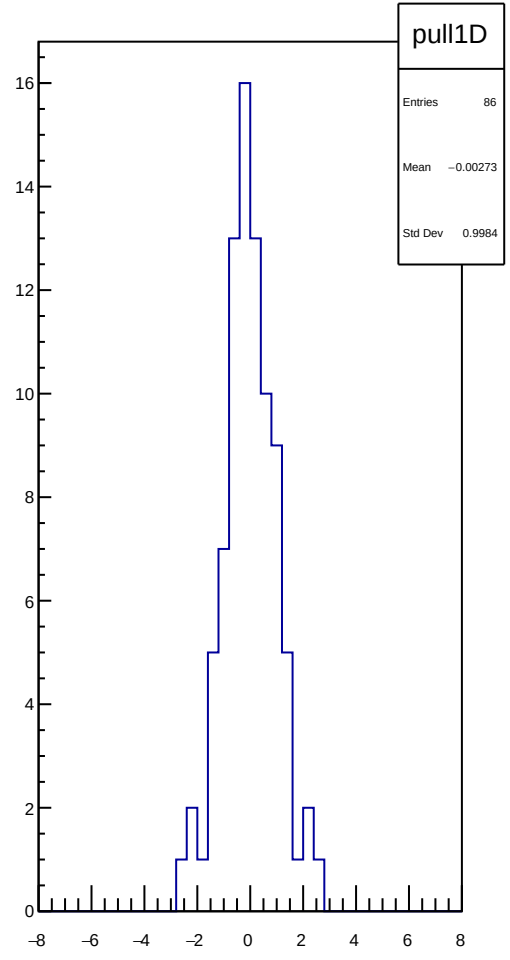

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.052e+06 / 85
p0 9.222e−12 ± 1.186e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

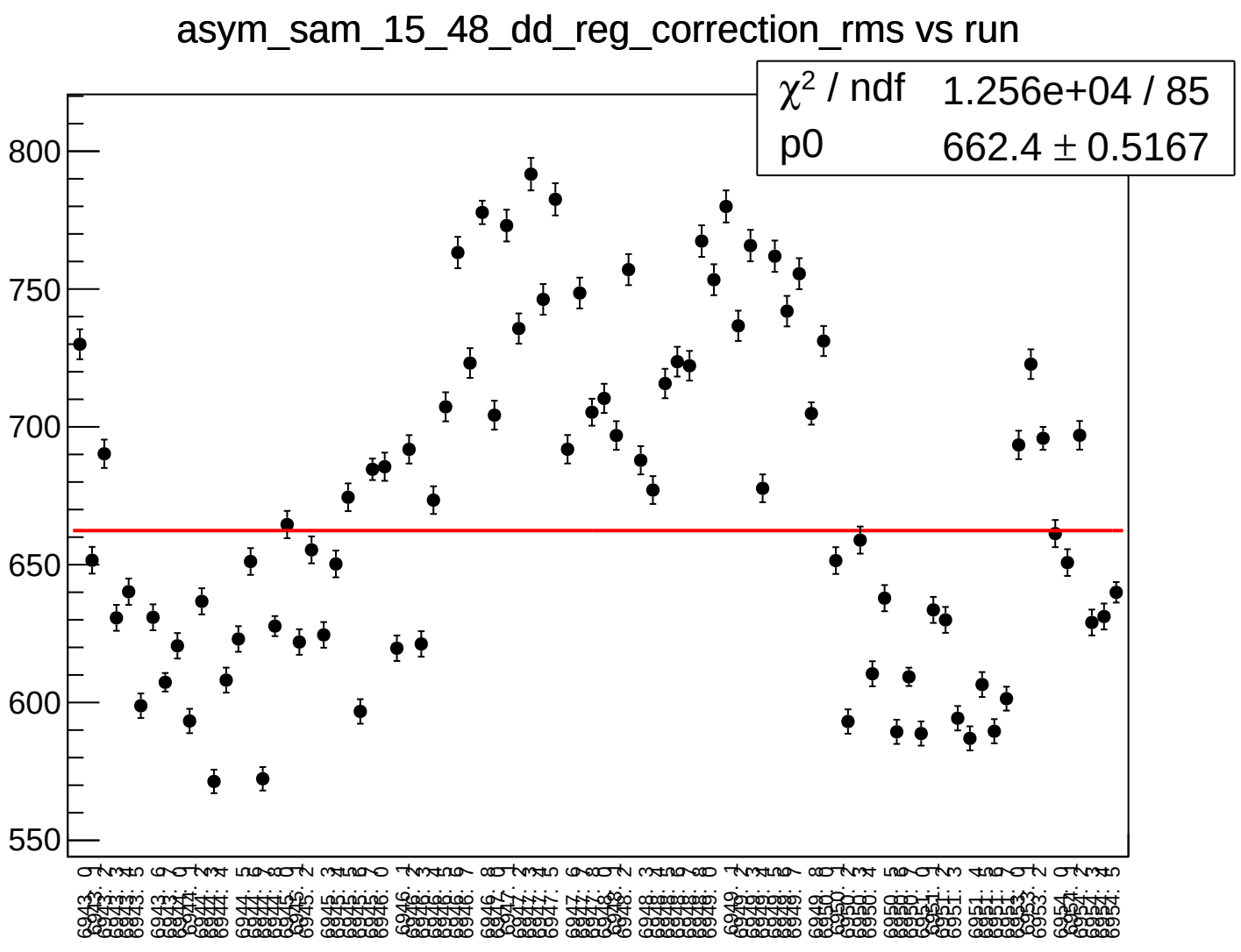

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 103.6 / 85
p0 −2.668 ± 54.01
pull
Entries 86
Mean −1301
Std Dev 0

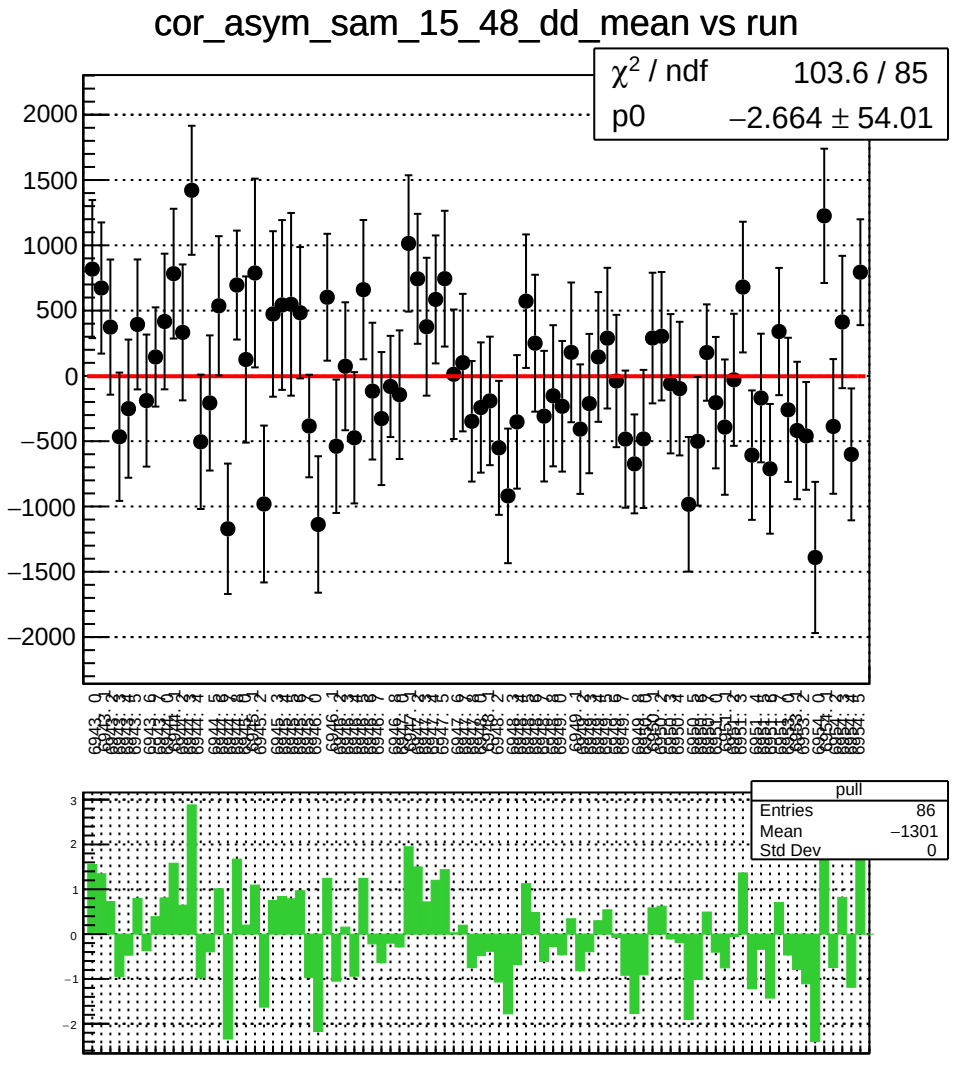

pull1D
Entries 86
Mean 0.004784
Std Dev 1.098

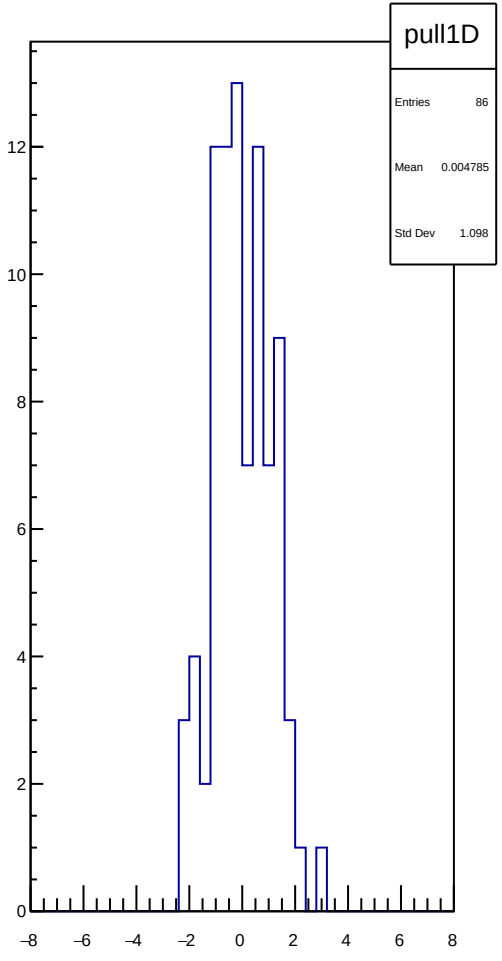

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 6730 / 85
p0 49.04 ± 0.03819
70
65
60
55
50
45

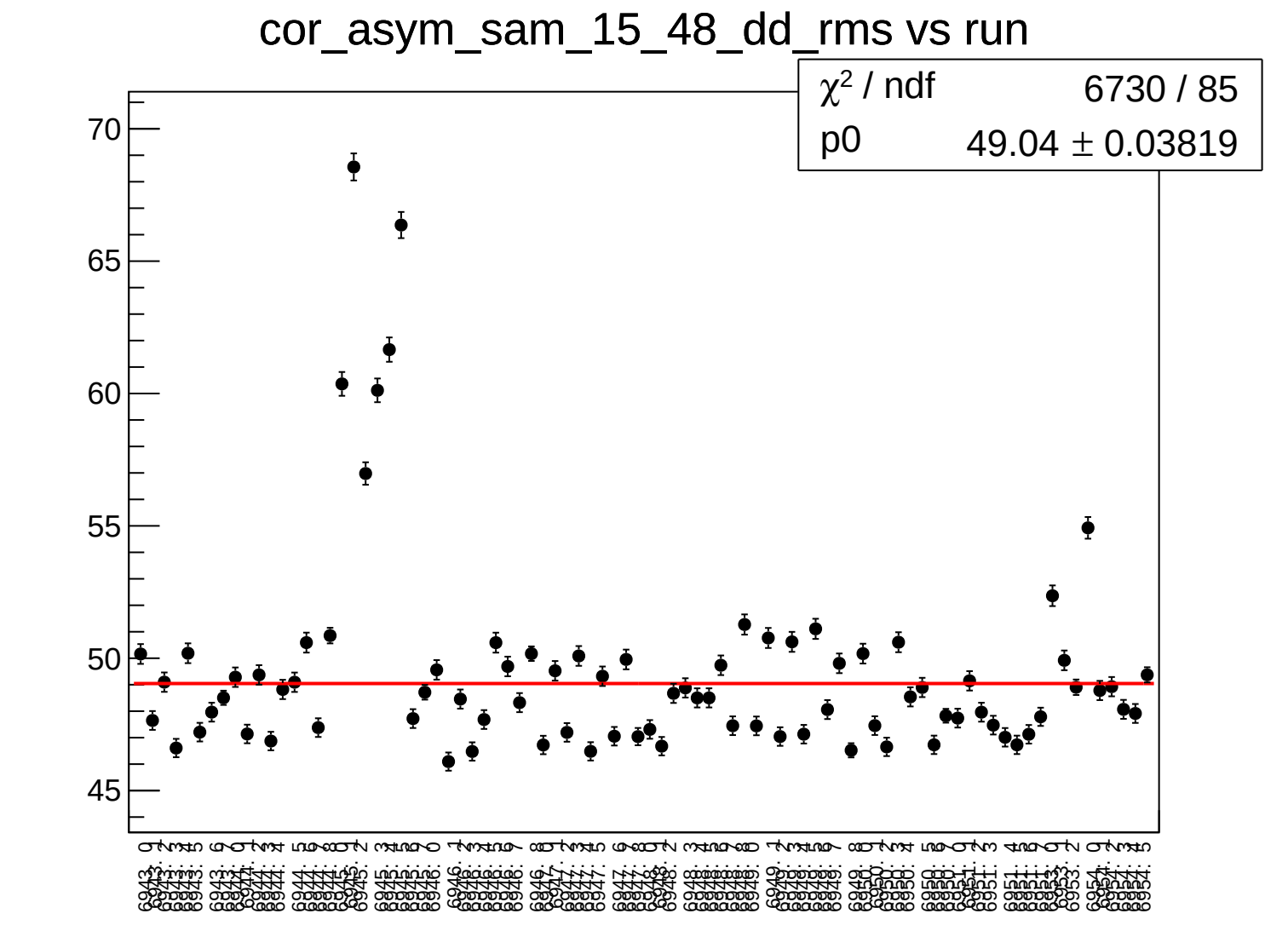

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 85.72 / 85
p0 2558 ± 730.7
pull
Entries 86
Mean 66.01
Std Dev 169

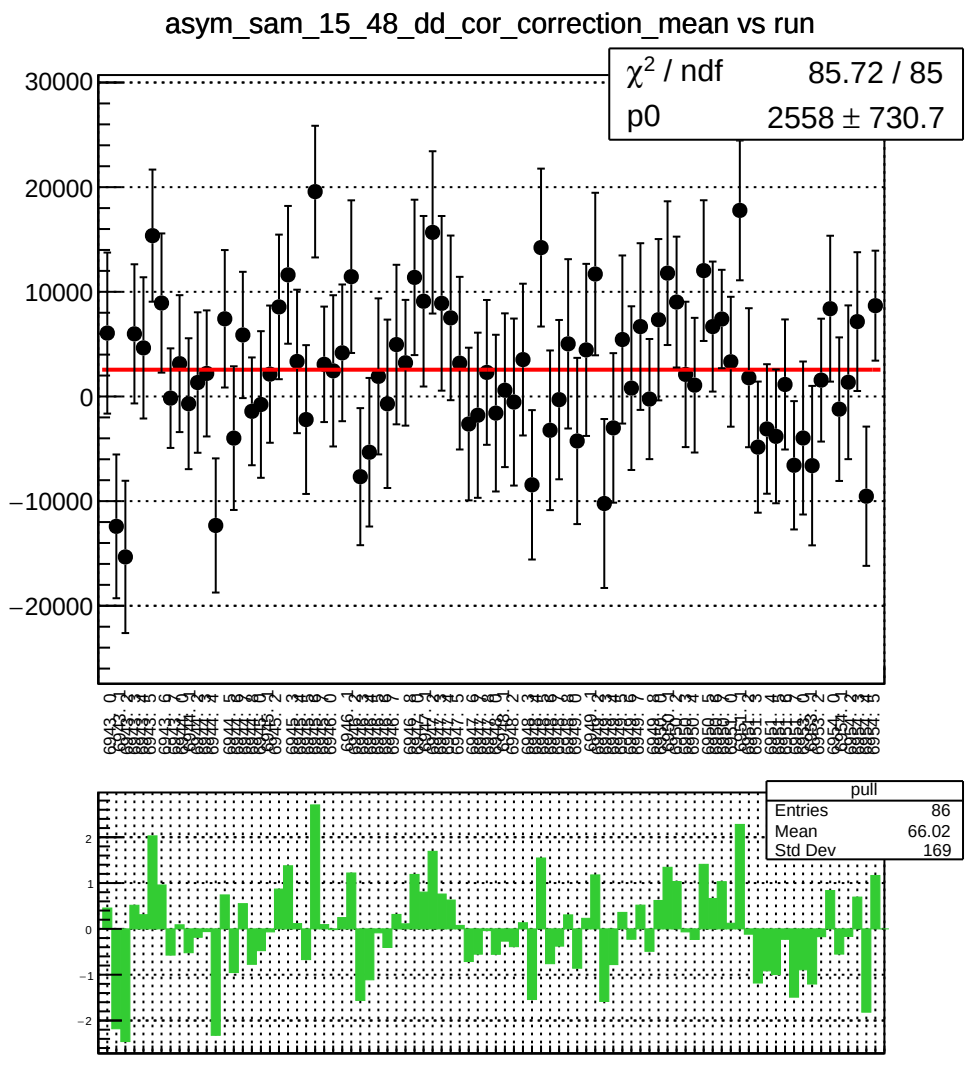

pull1D
Entries 86
Mean −0.00273
Std Dev 0.9984

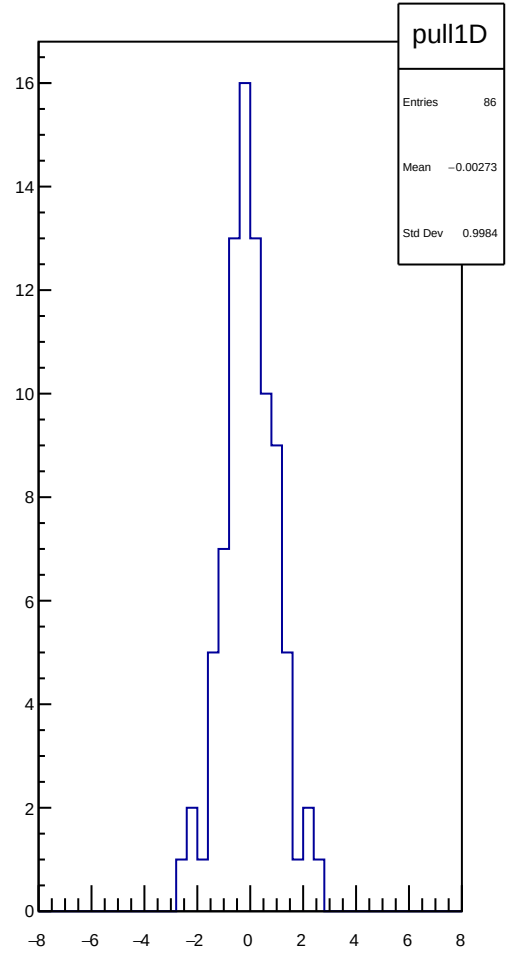

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 662.4 ± 0.5167
800
750
700
650
600
550

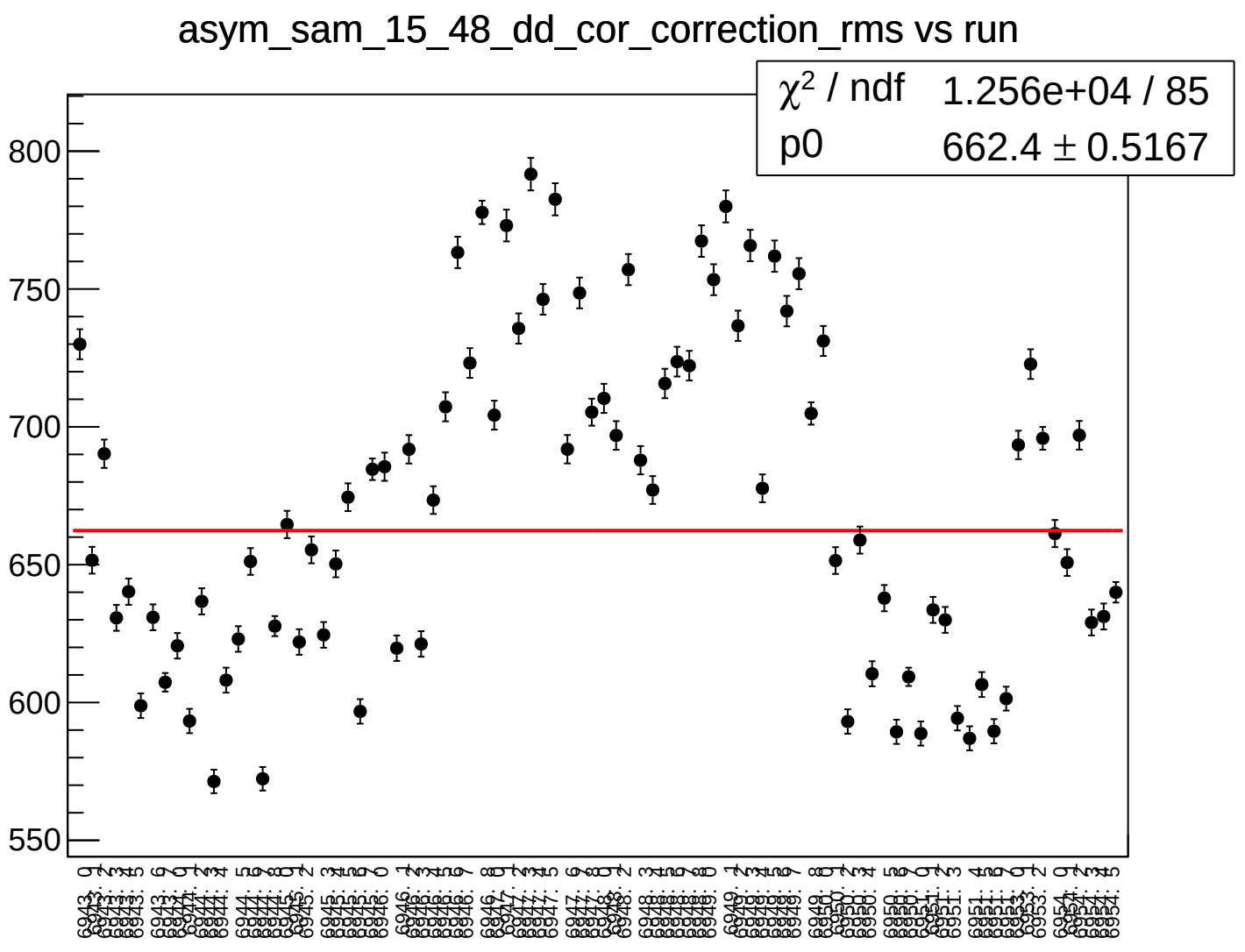

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 103.6 / 85
p0 −2.664 ± 54.01
pull
Entries 86
Mean −1301
Std Dev 0

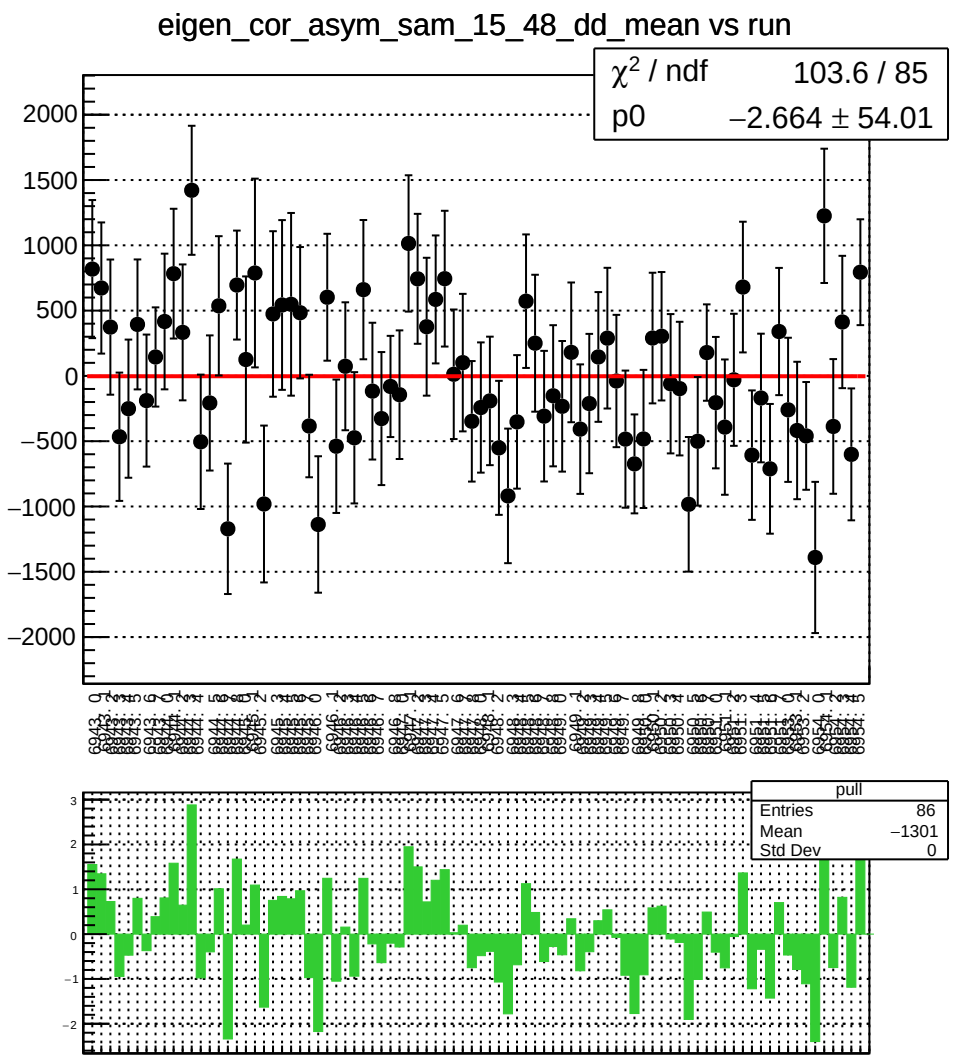

pull1D
Entries 86
Mean 0.004785
Std Dev 1.098

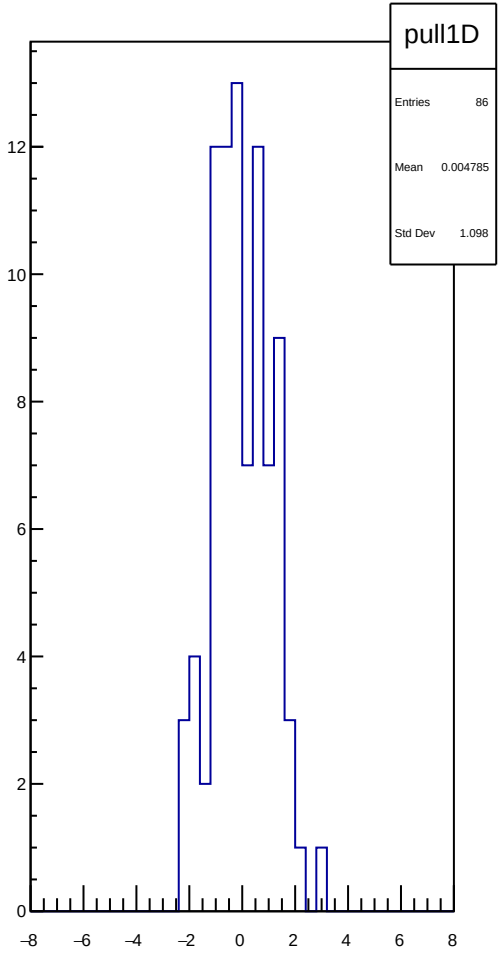

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 6730 / 85
p0 49.04 ± 0.03819
70
65
60
55
50
45

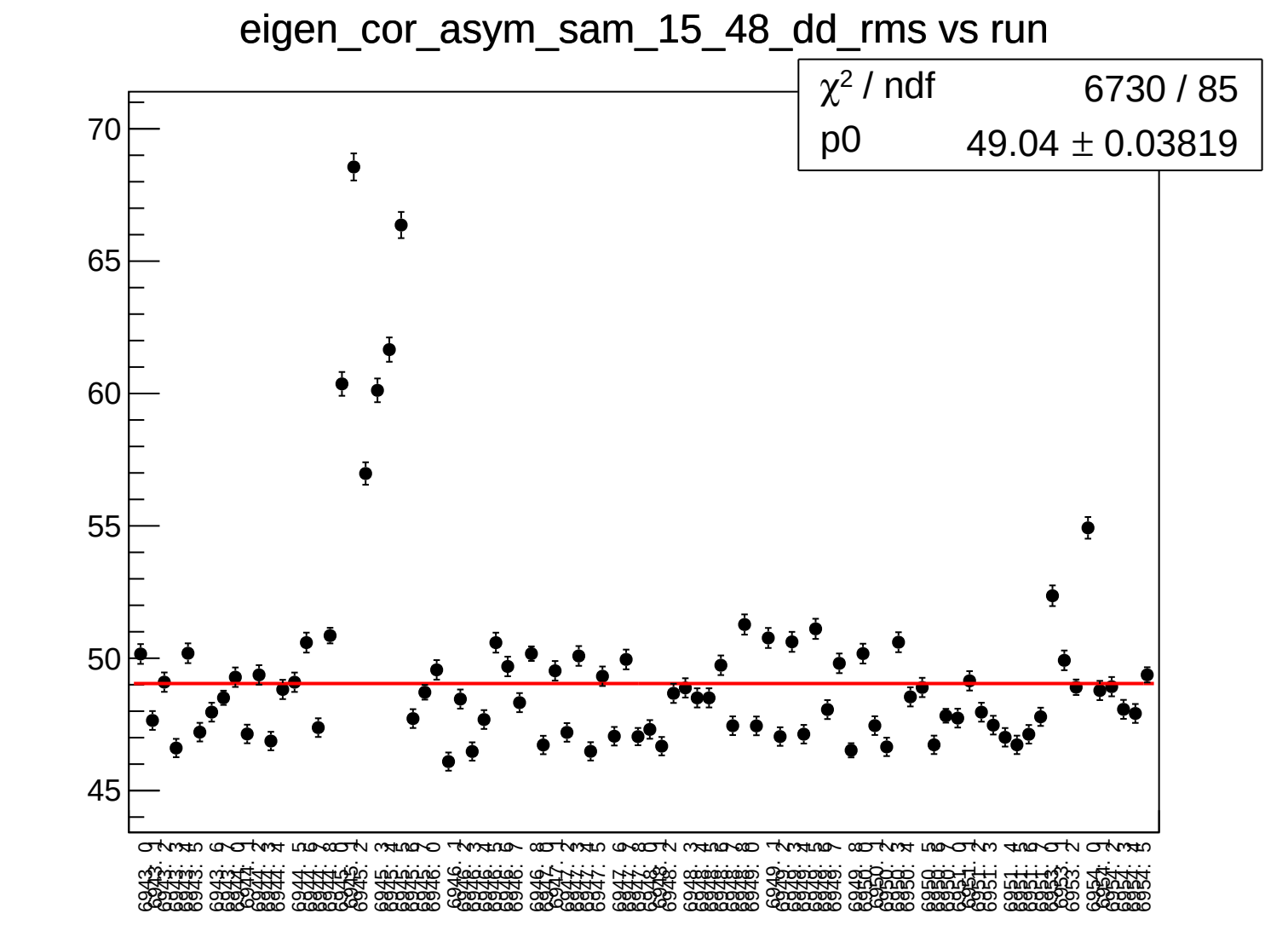

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 85.72 / 85
p0 2558 ± 730.7
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 66.02
Std Dev 169
2
1
0
−1
−2

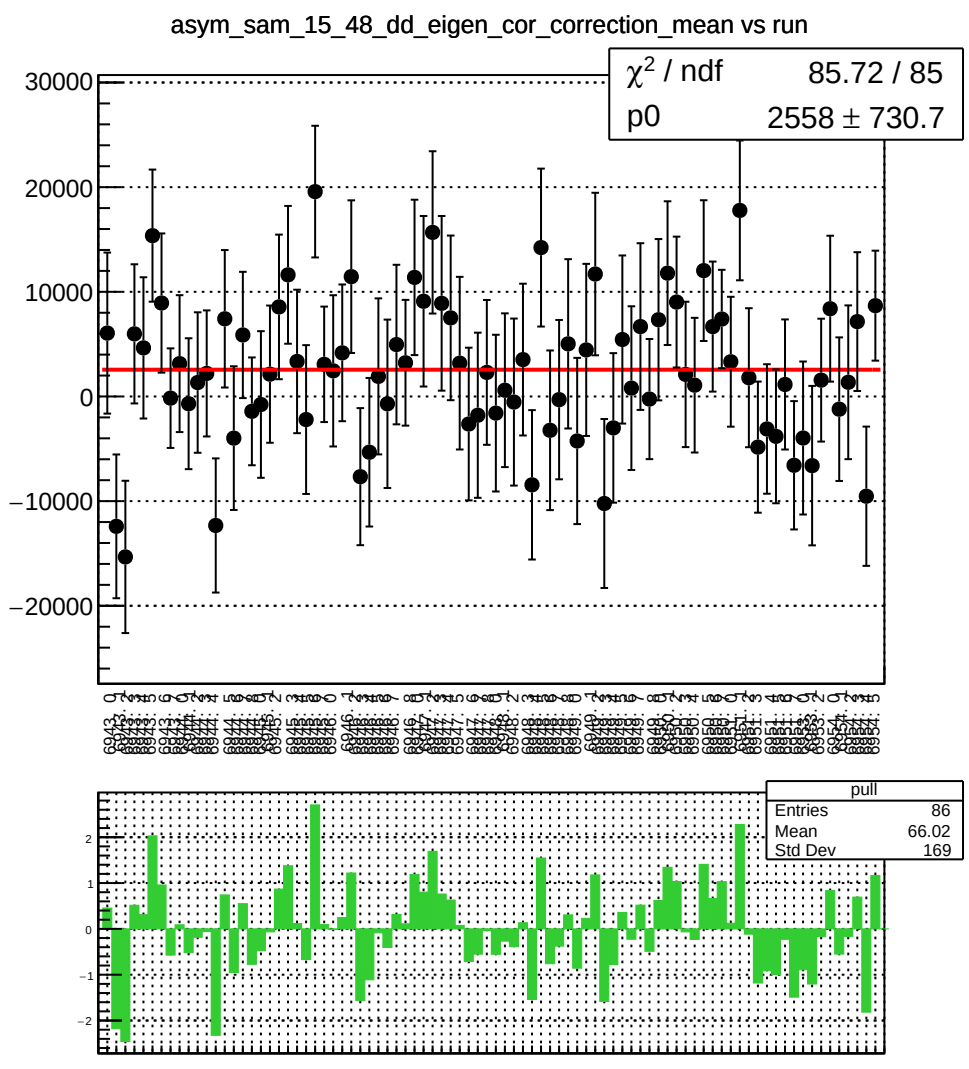

pull1D
Entries 86
Mean −0.00273
Std Dev 0.9984
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

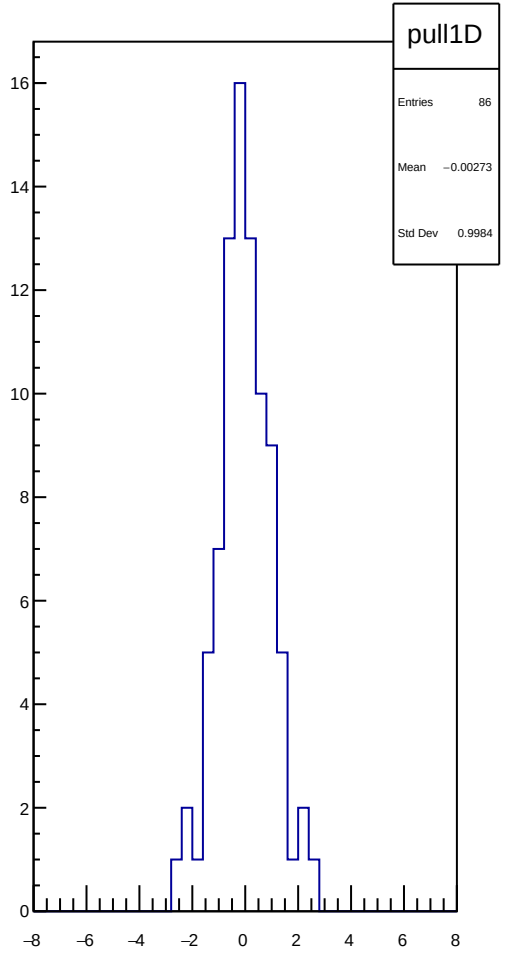

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 662.4 ± 0.5167
800
750
700
650
600
550

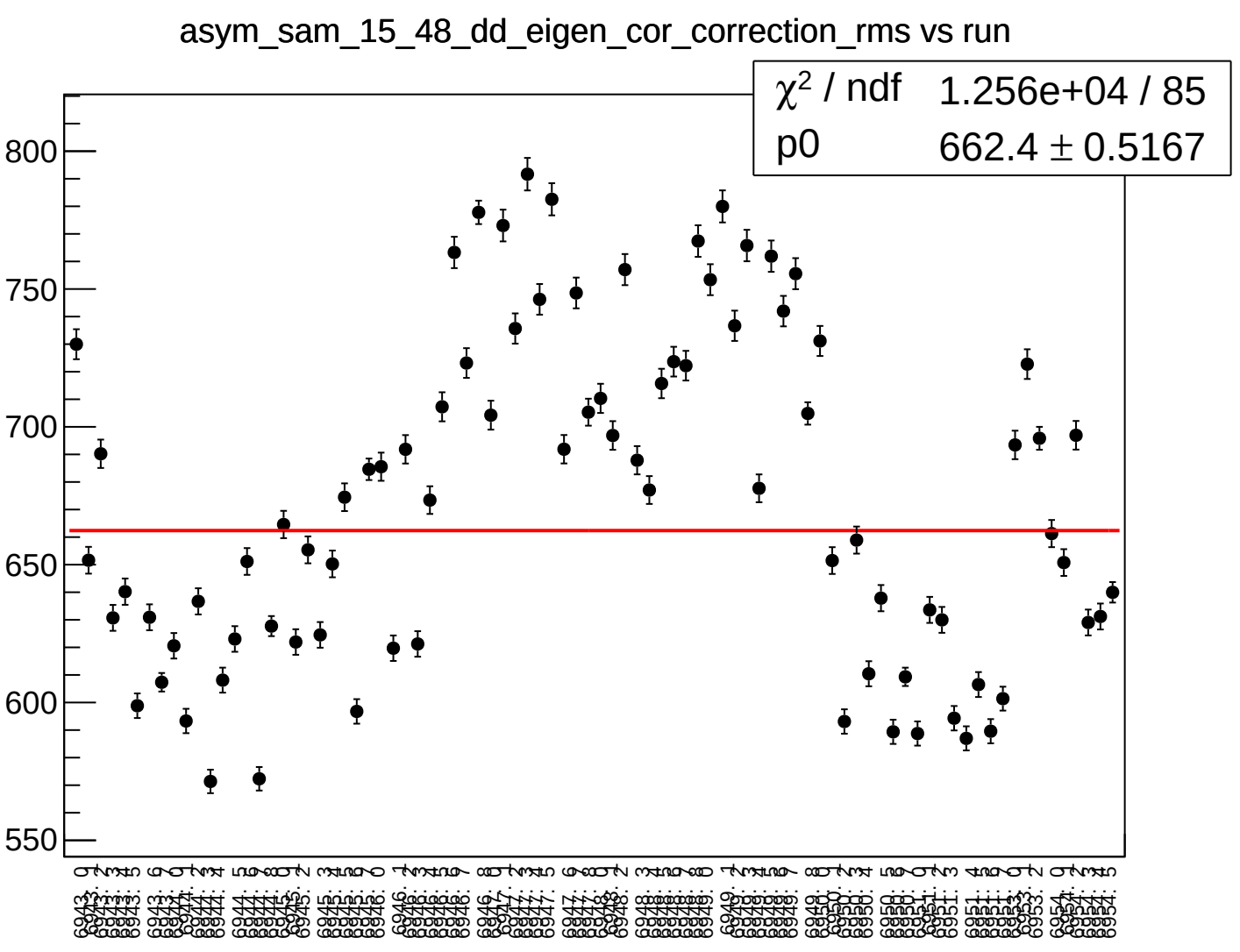

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 103.6 / 85
p0 −2.664 ± 54.01
pull
Entries 86
Mean −1301
Std Dev 0

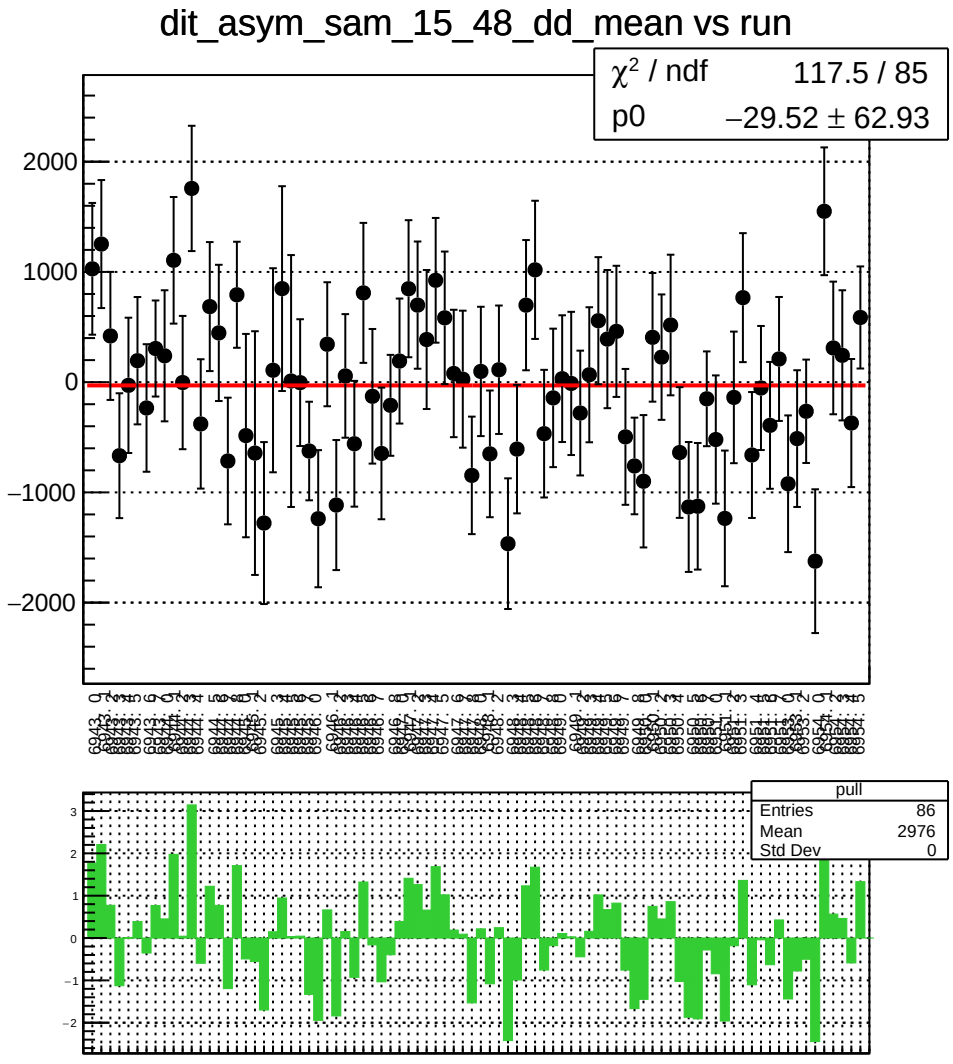

pull1D
Entries 86
Mean 0.004785
Std Dev 1.098

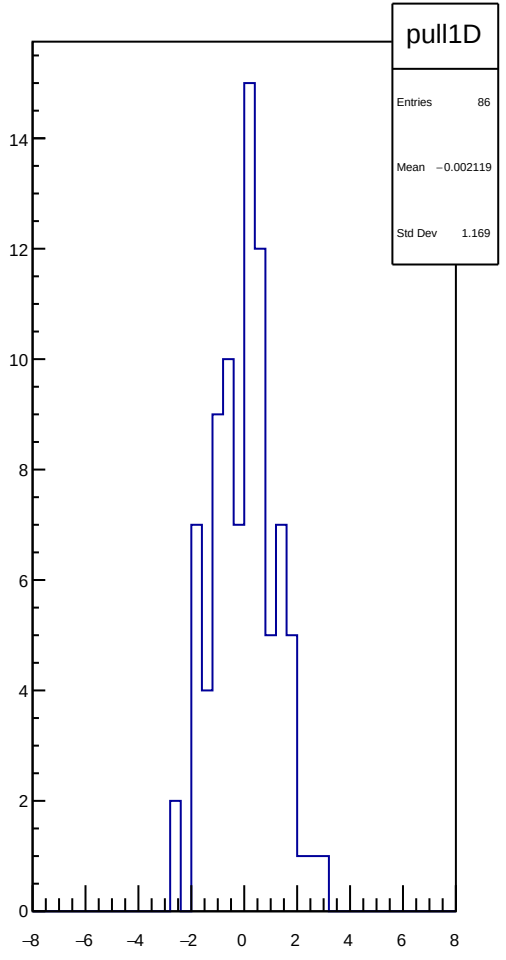

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 6730 / 85
p0 49.04 ± 0.03819
70
65
60
55
50
45

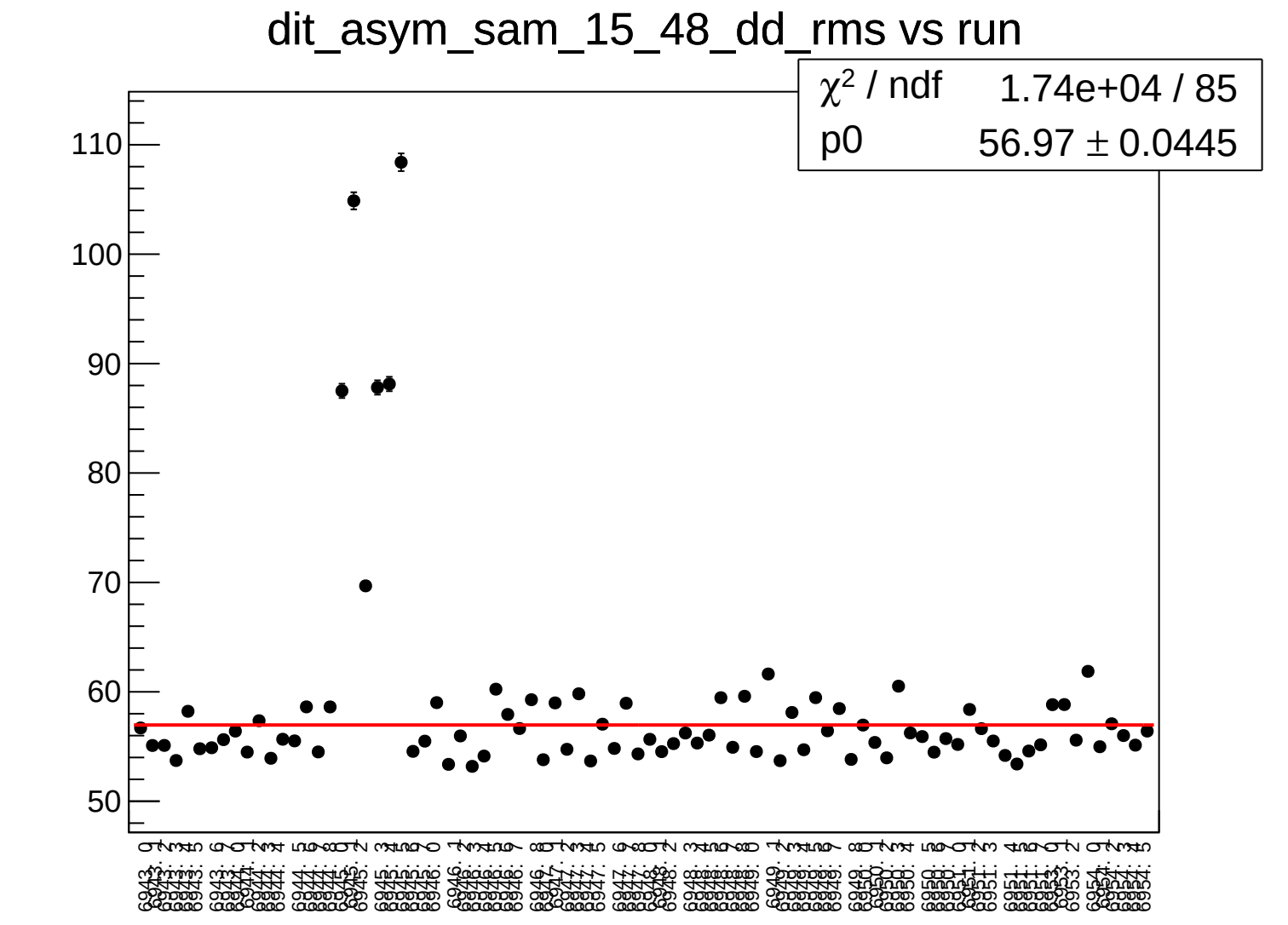

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.72 / 85
p0 2558 ± 730.7
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 66.02
Std Dev 169
2
1
0
−1
−2

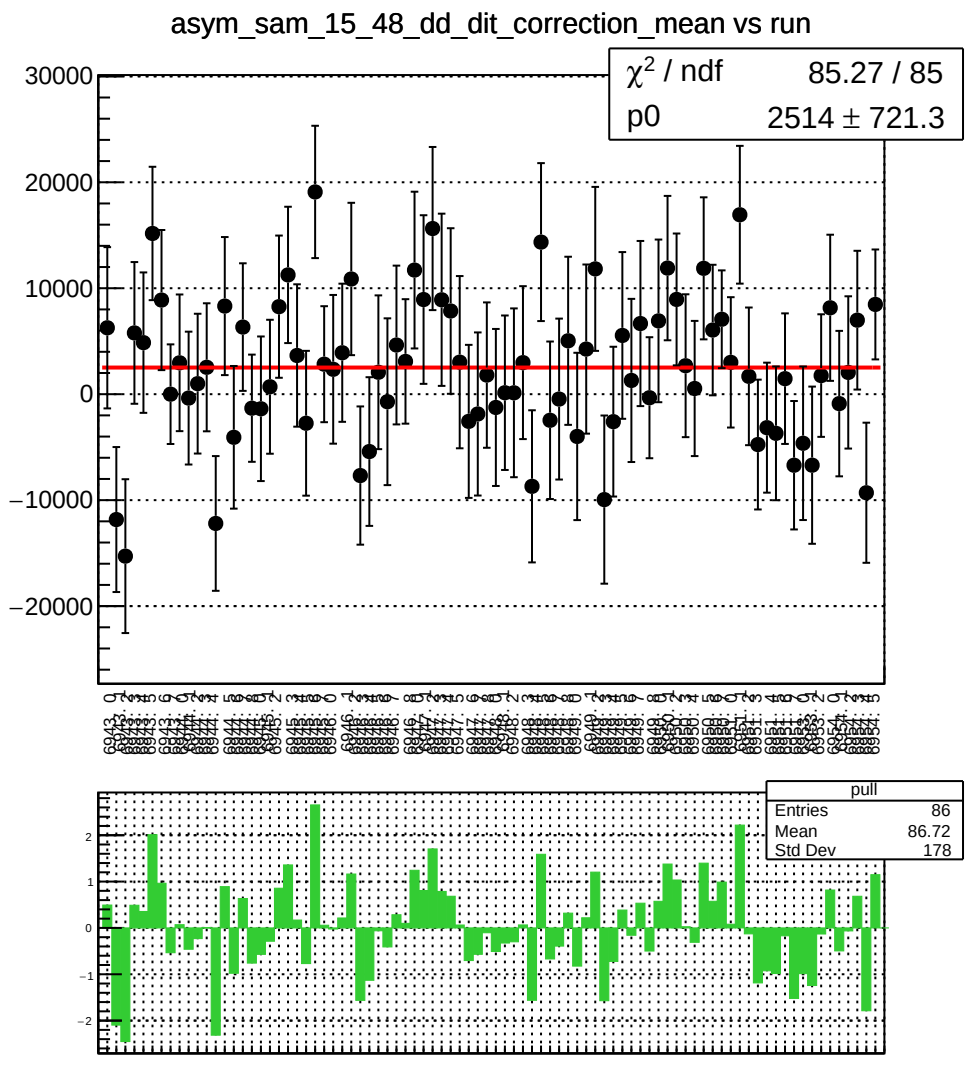

pull1D
Entries 86
Mean −0.00273
Std Dev 0.9984
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

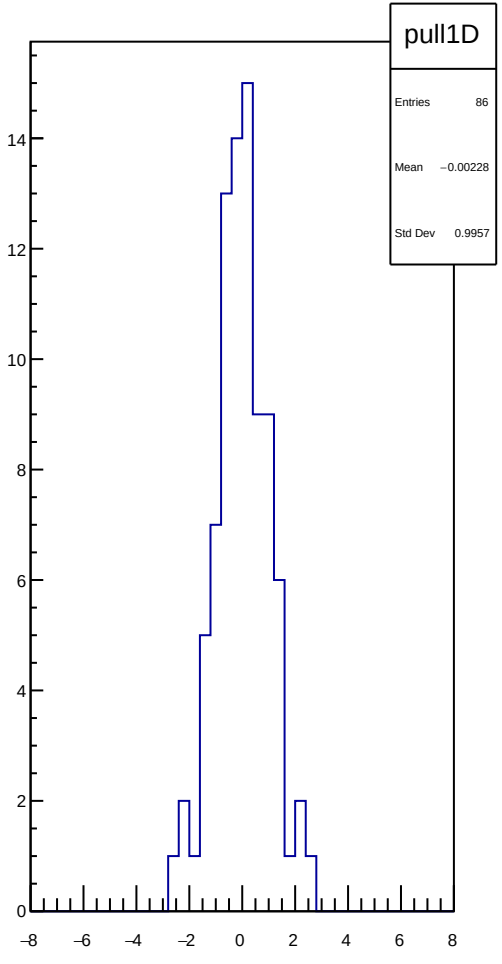

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.256e+04 / 85
p0 662.4 ± 0.5167
800
750
700
650
600
550

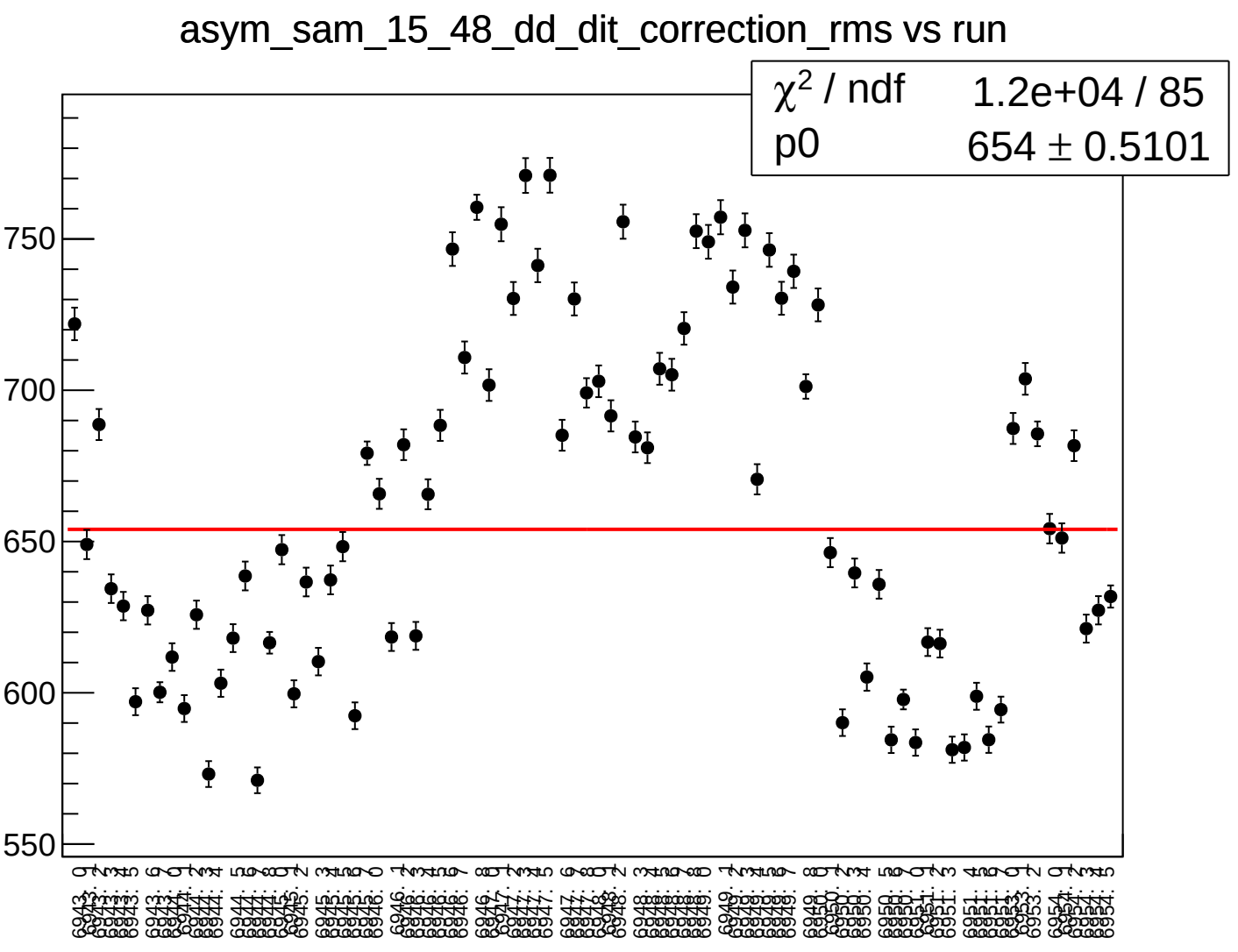

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 117.5 / 85
p0 −29.52 ± 62.93
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 2976
Std Dev 0
3
2
1
0
−1
−2

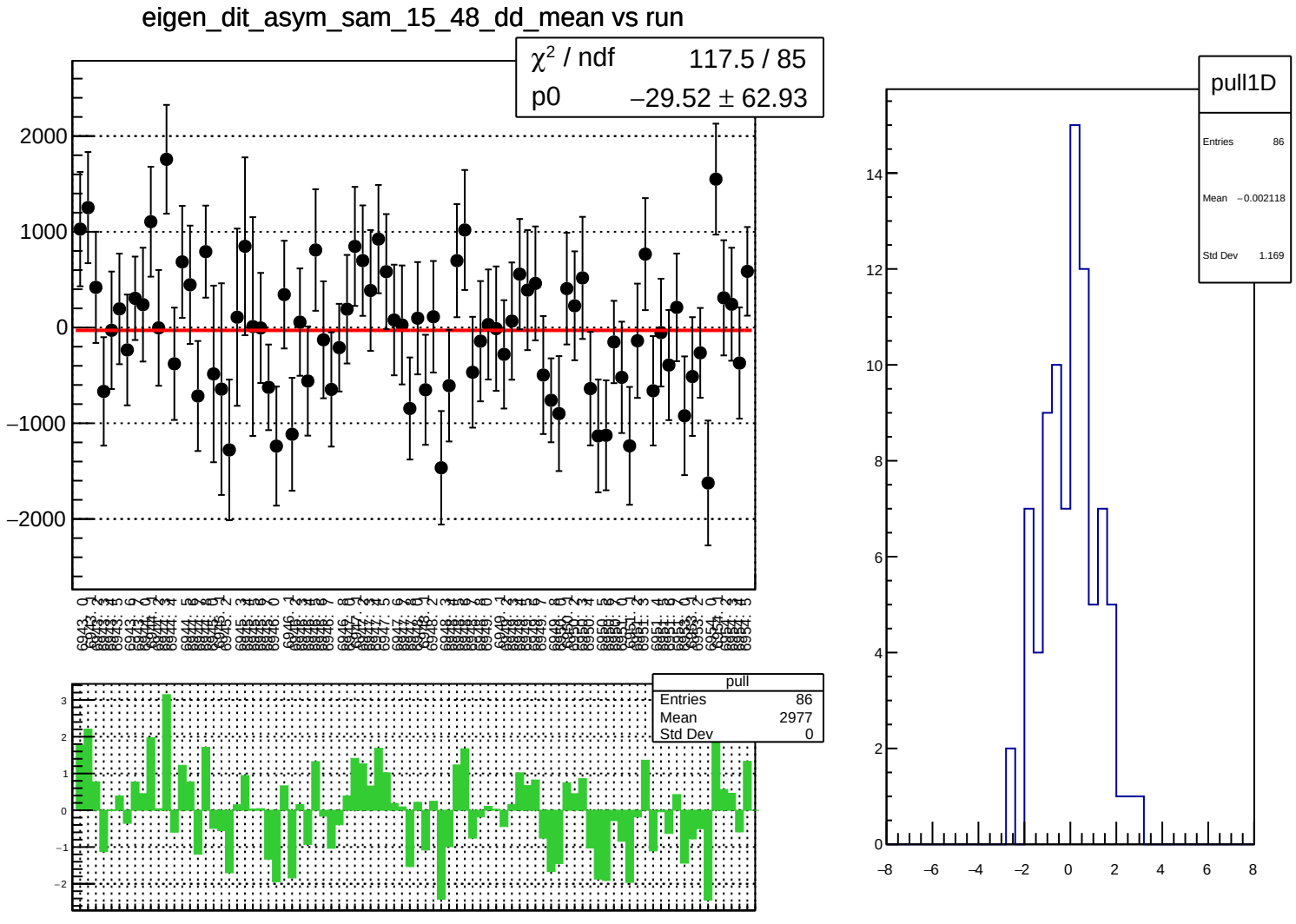

pull1D
Entries 86
Mean −0.002119
Std Dev 1.169
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

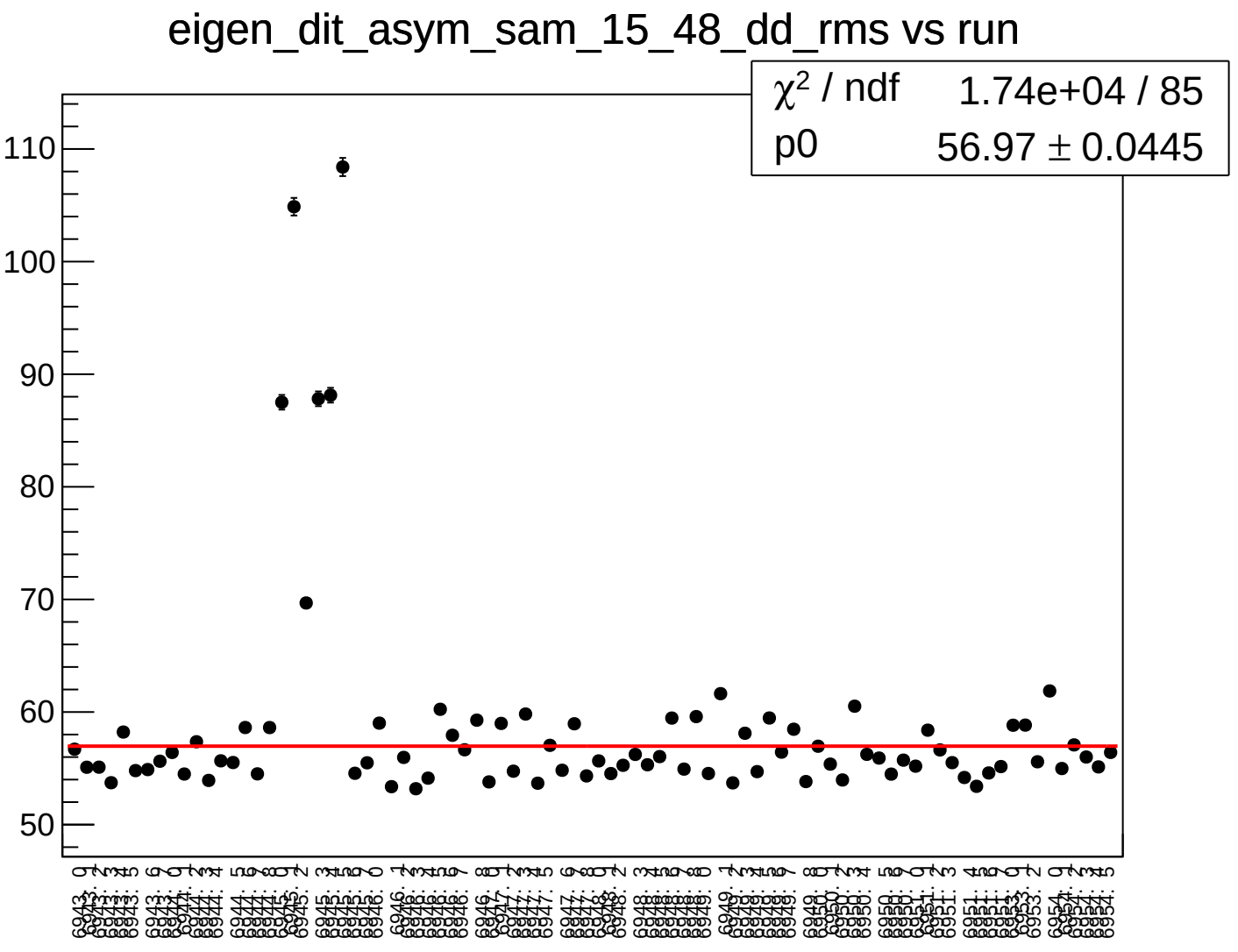

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.74e+04 / 85
p0 56.97 ± 0.0445
110
100
90
80
70
60
50

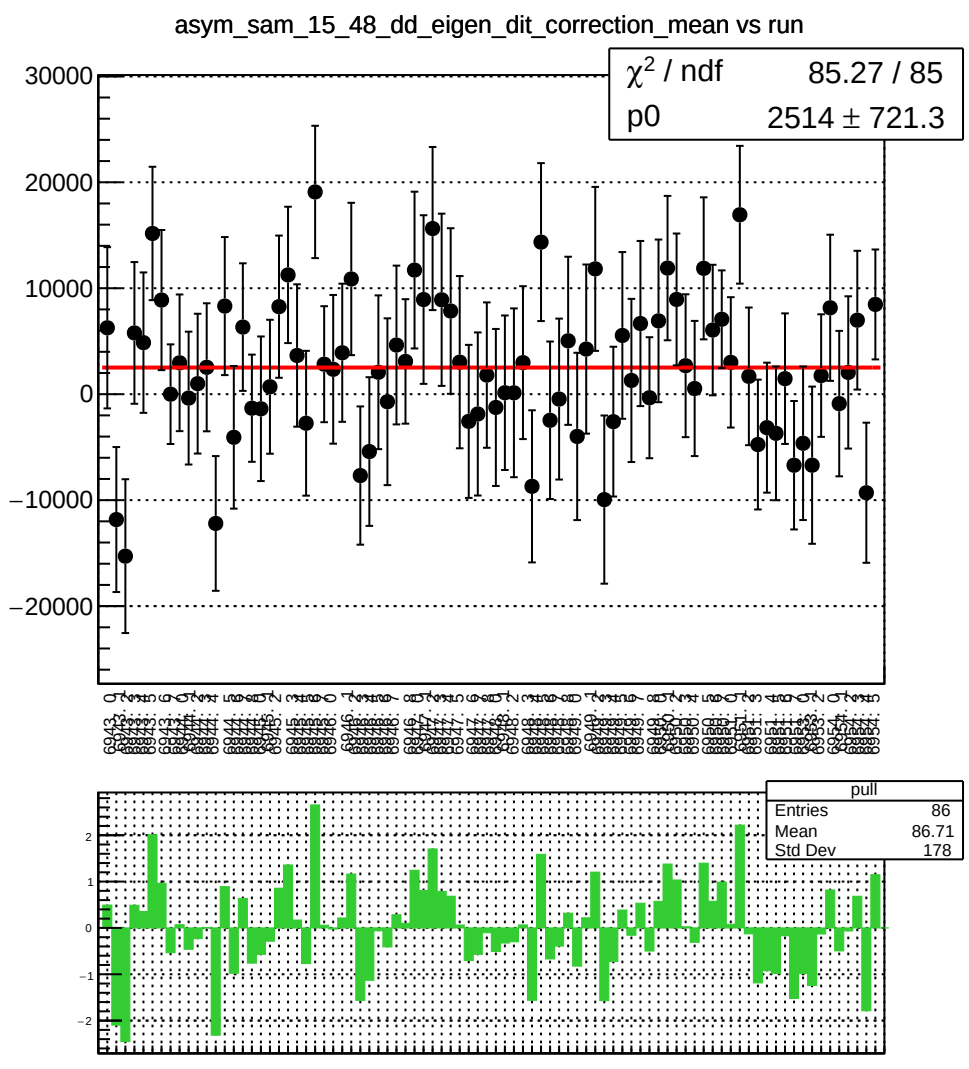

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 85.27 / 85
p0 2514 ± 721.3
pull
Entries 86
Mean 86.72
Std Dev 178

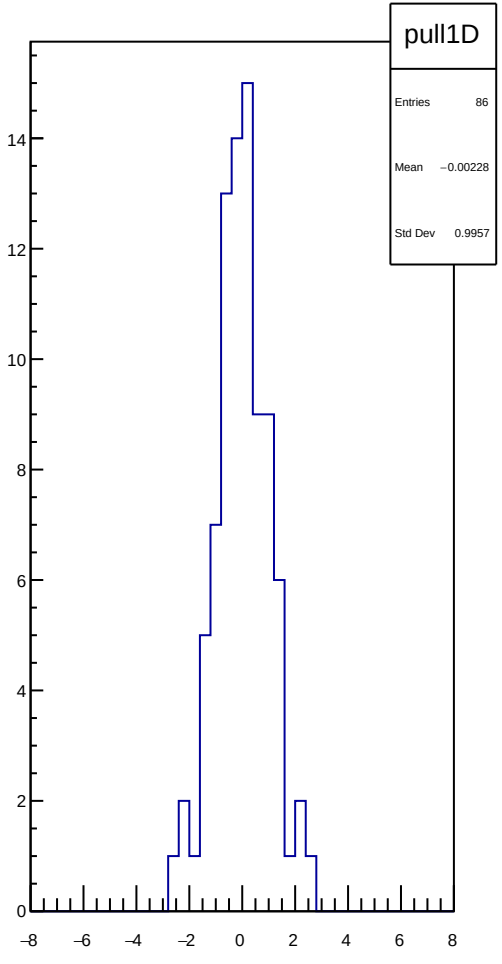

pull1D
Entries 86
Mean −0.00228
Std Dev 0.9957

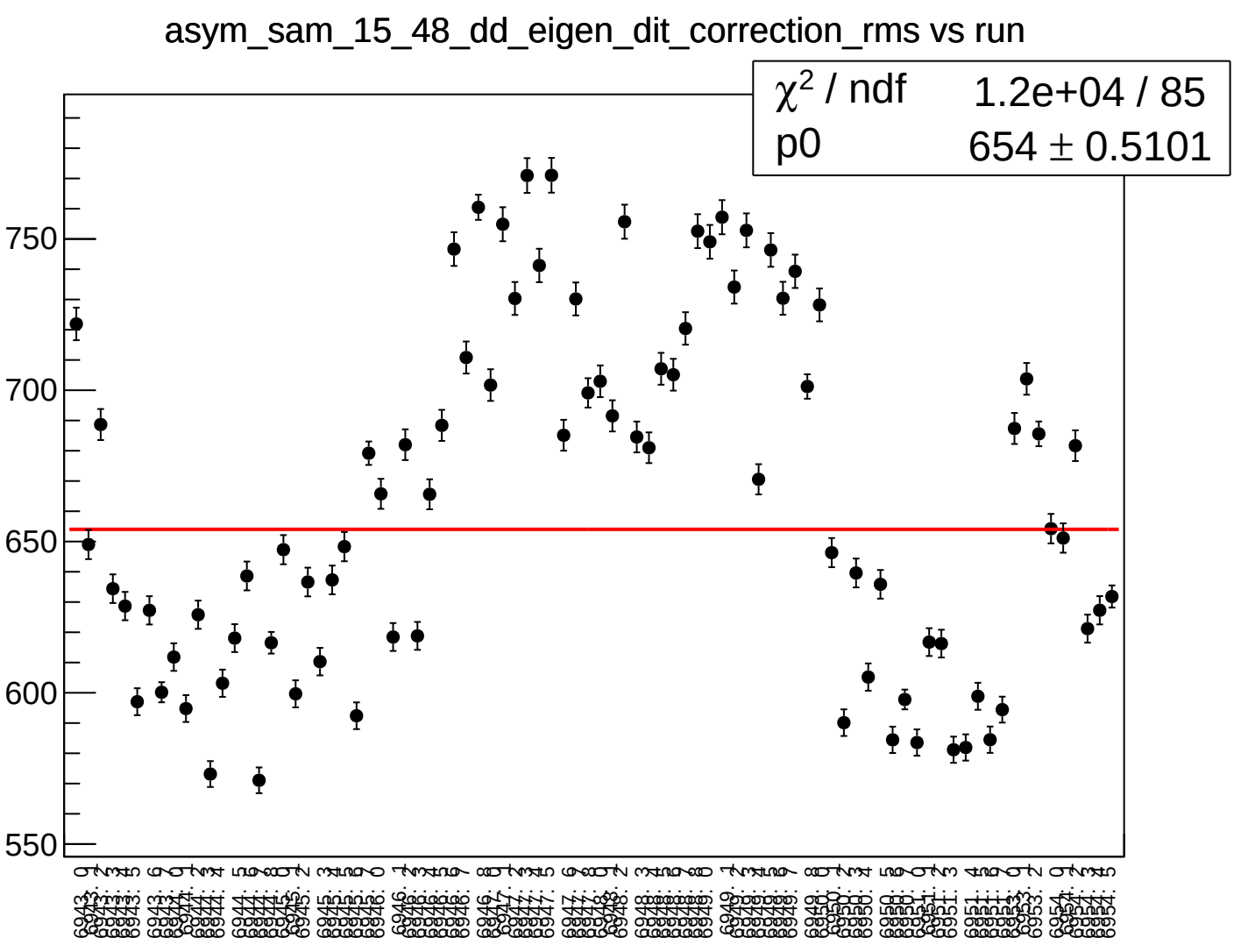

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1.2e+04 / 85
p0 654 ± 0.5101
750
700
650
600
550

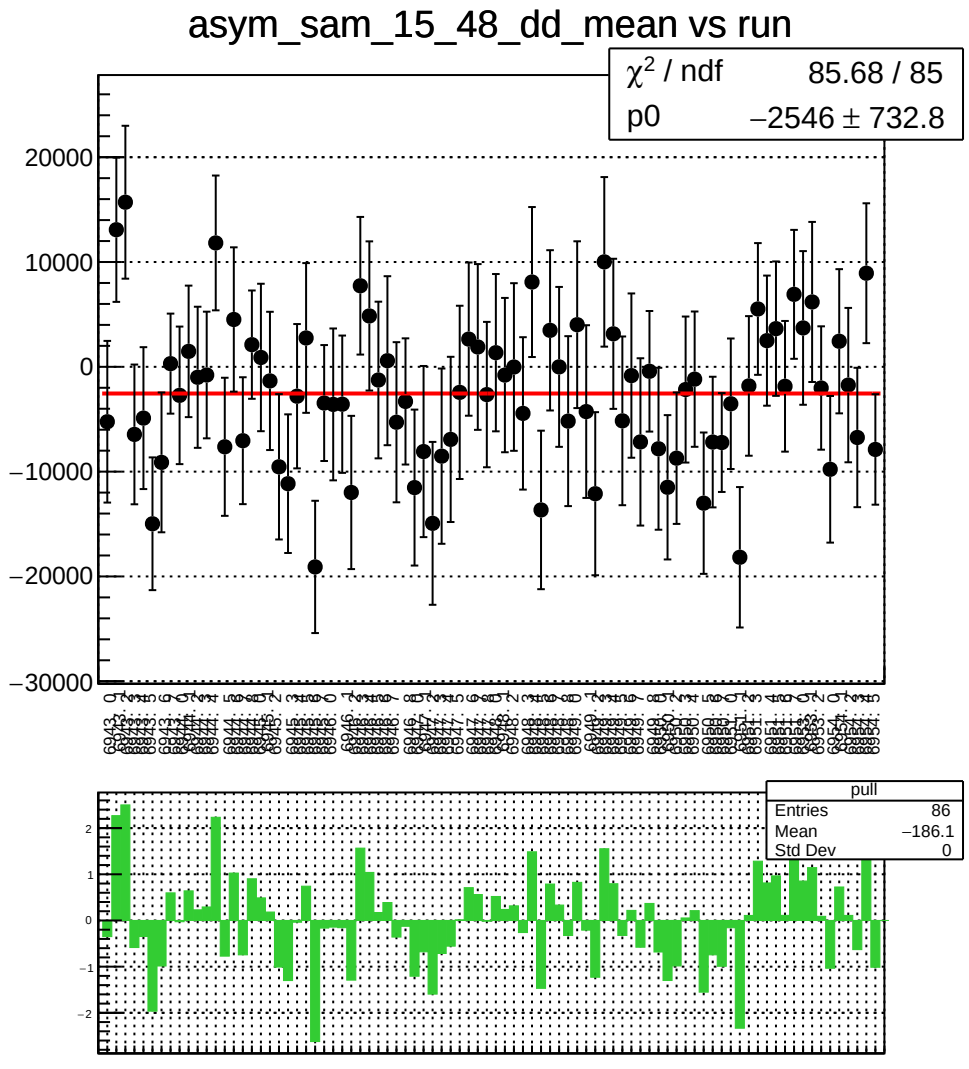

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 117.5 / 85
p0 −29.52 ± 62.93
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 2977
Std Dev 0
pull1D
Entries 86
Mean −0.002118
Std Dev 1.169
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

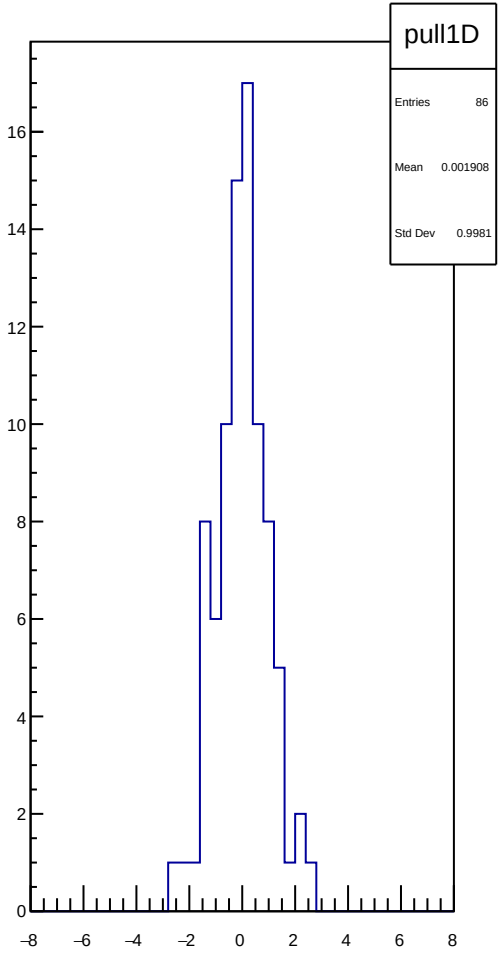

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.74e+04 / 85
p0 56.97 ± 0.0445
110
100
90
80
70
60
50

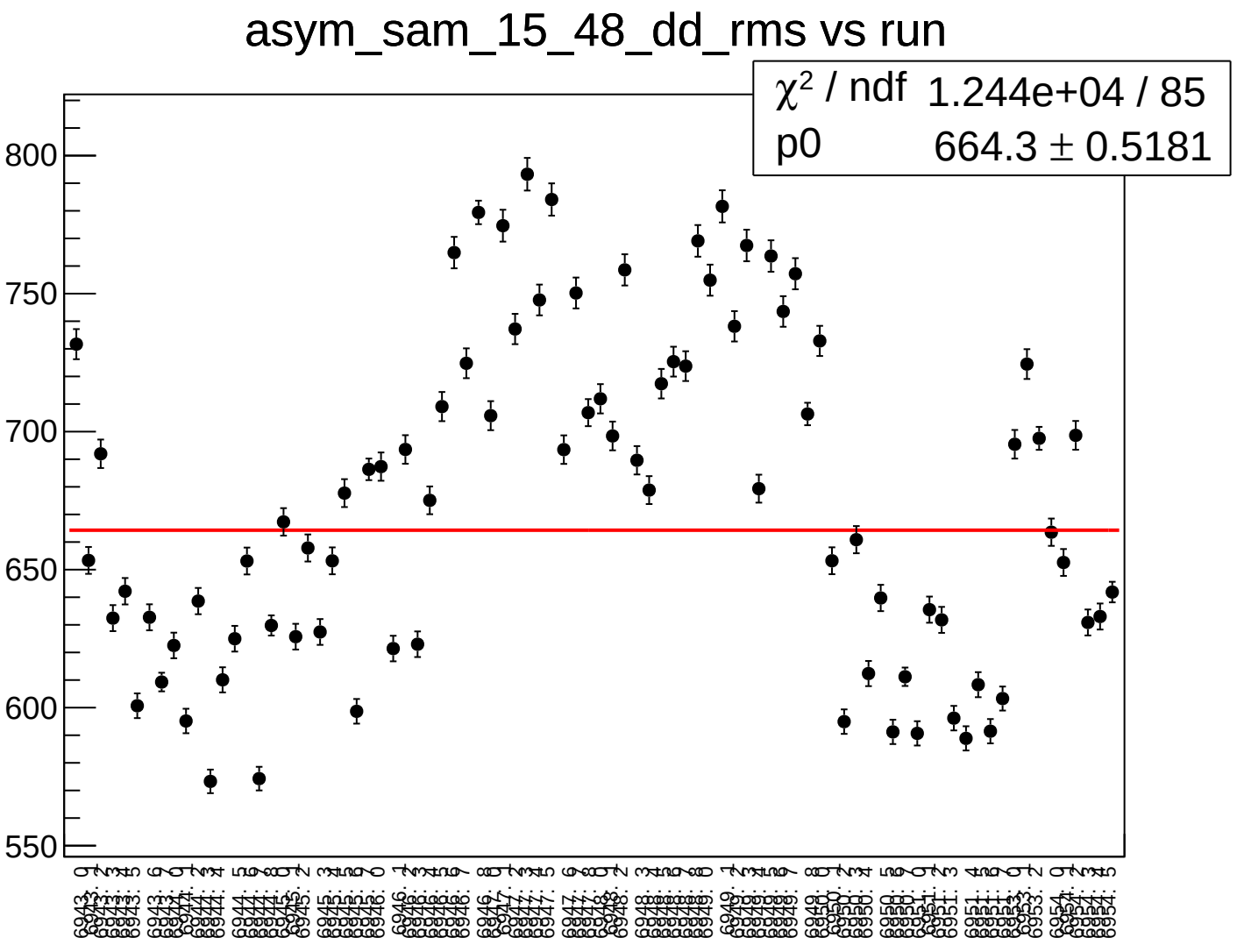

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.27 / 85
p0 2514 ± 721.3
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 86.71
Std Dev 178
2
1
0
−1
−2

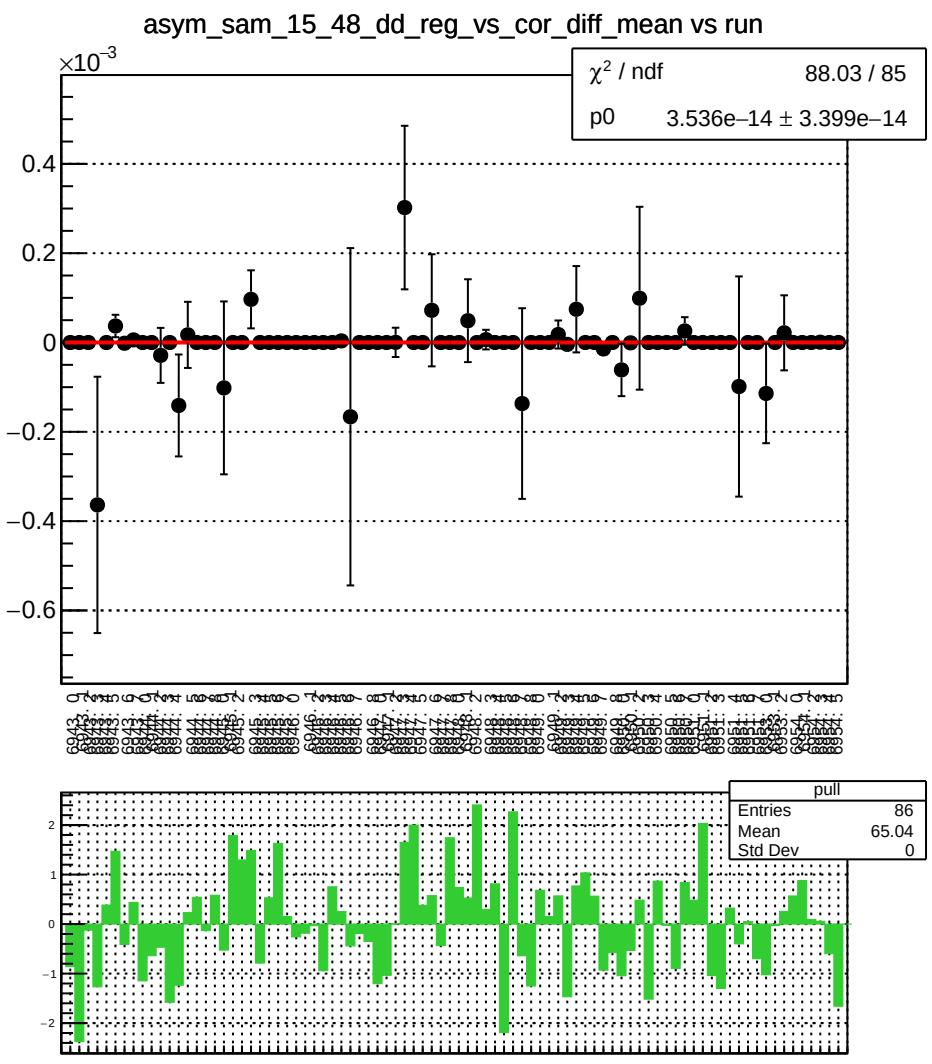

pull1D
Entries 86
Mean −0.00228
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

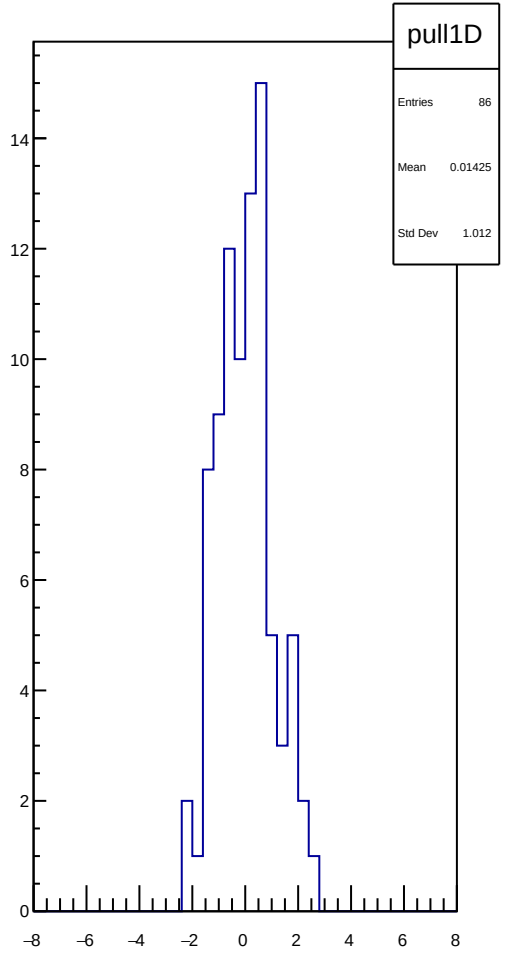

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.2e+04 / 85
p0 654 ± 0.5101
750
700
650
600
550

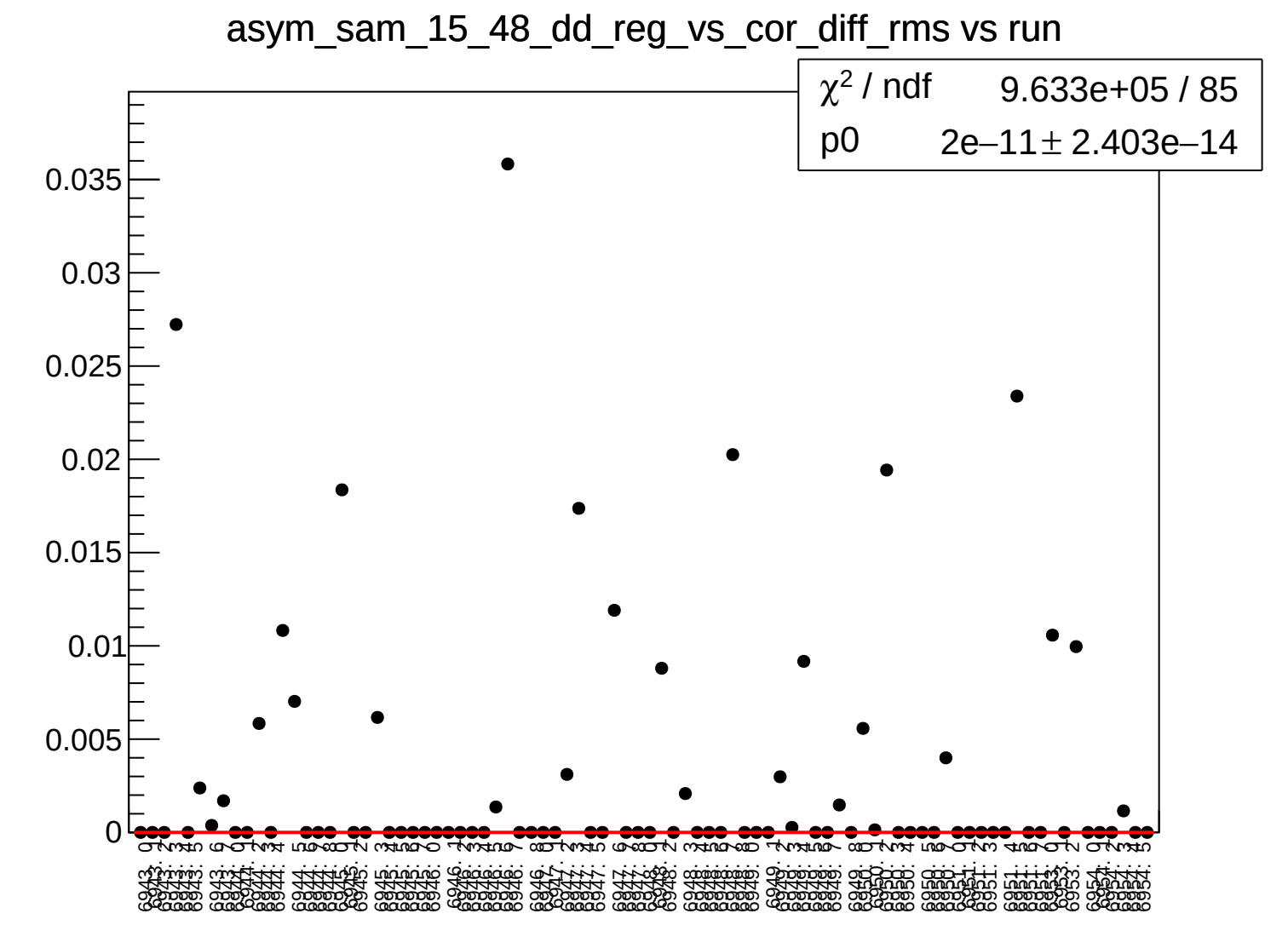

asym_sam_15_48_dd_mean vs run
χ² / ndf 85.68 / 85
p0 −2546 ± 732.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −186.1
Std Dev 0
2
1
0
−1
−2

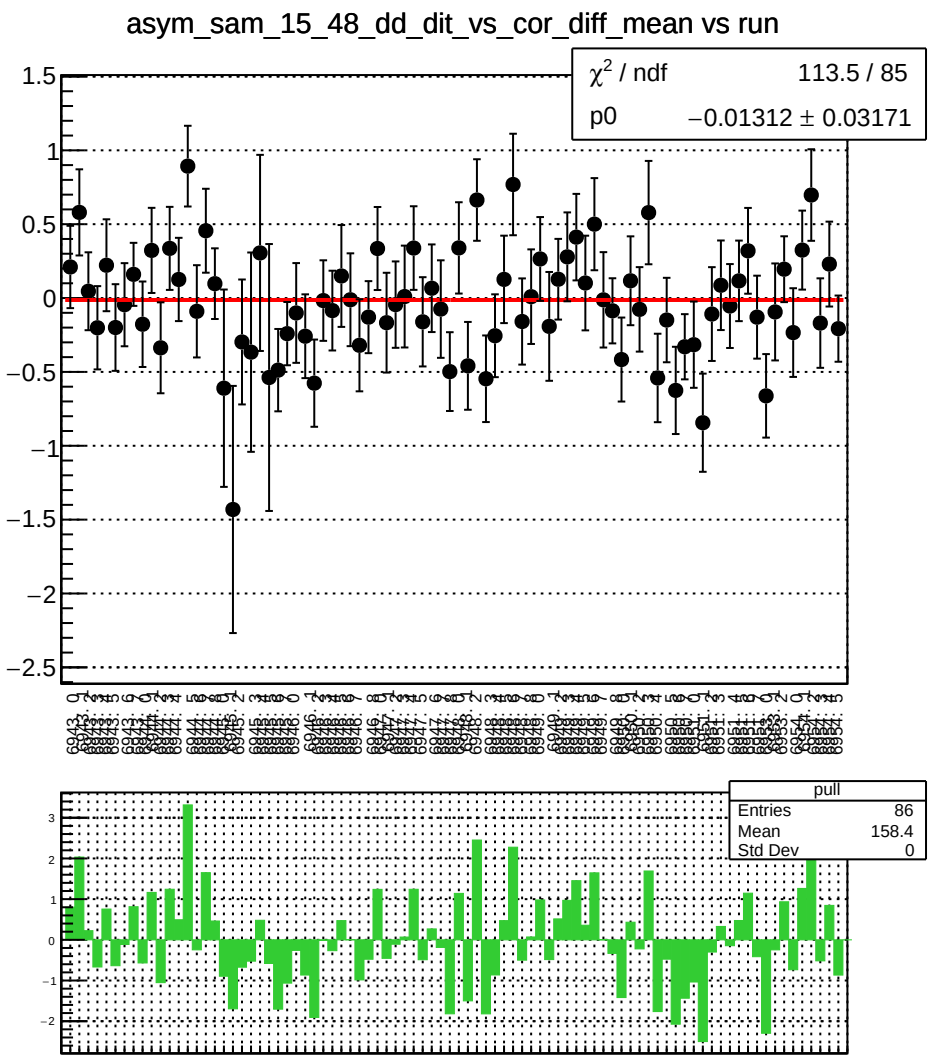

pull1D
Entries 86
Mean 0.001908
Std Dev 0.9981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

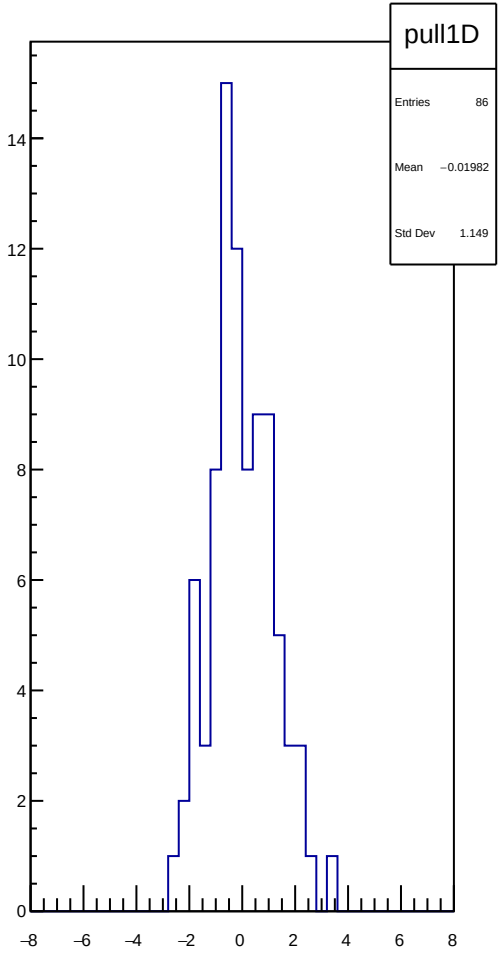

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.244e+04 / 85
p0 664.3 ± 0.5181
800
750
700
650
600
550

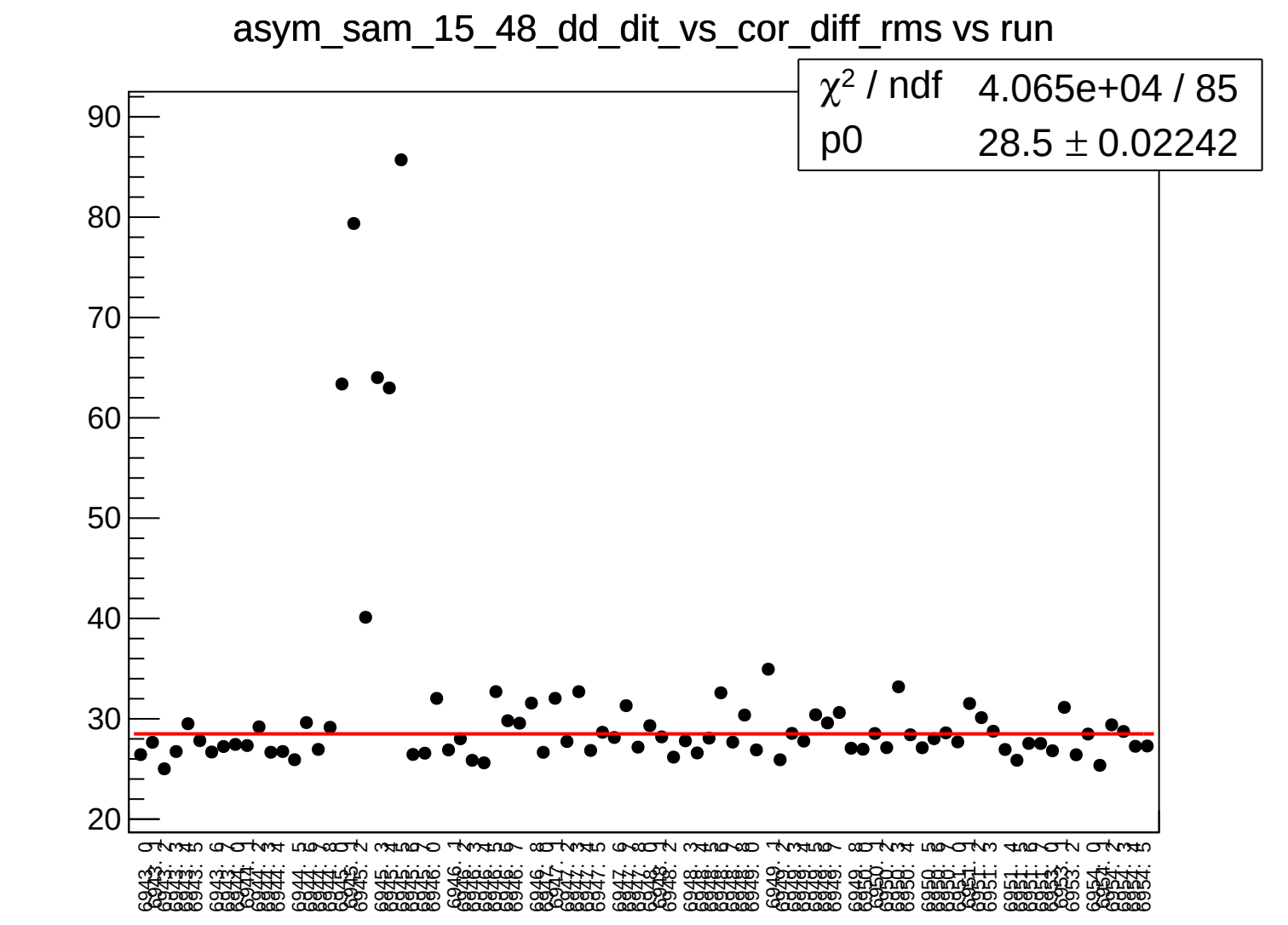

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 88.03 / 85
p0 3.536e−14 ± 3.399e−14
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 86
Mean 65.04
Std Dev 0
2
1
0
−1
−2

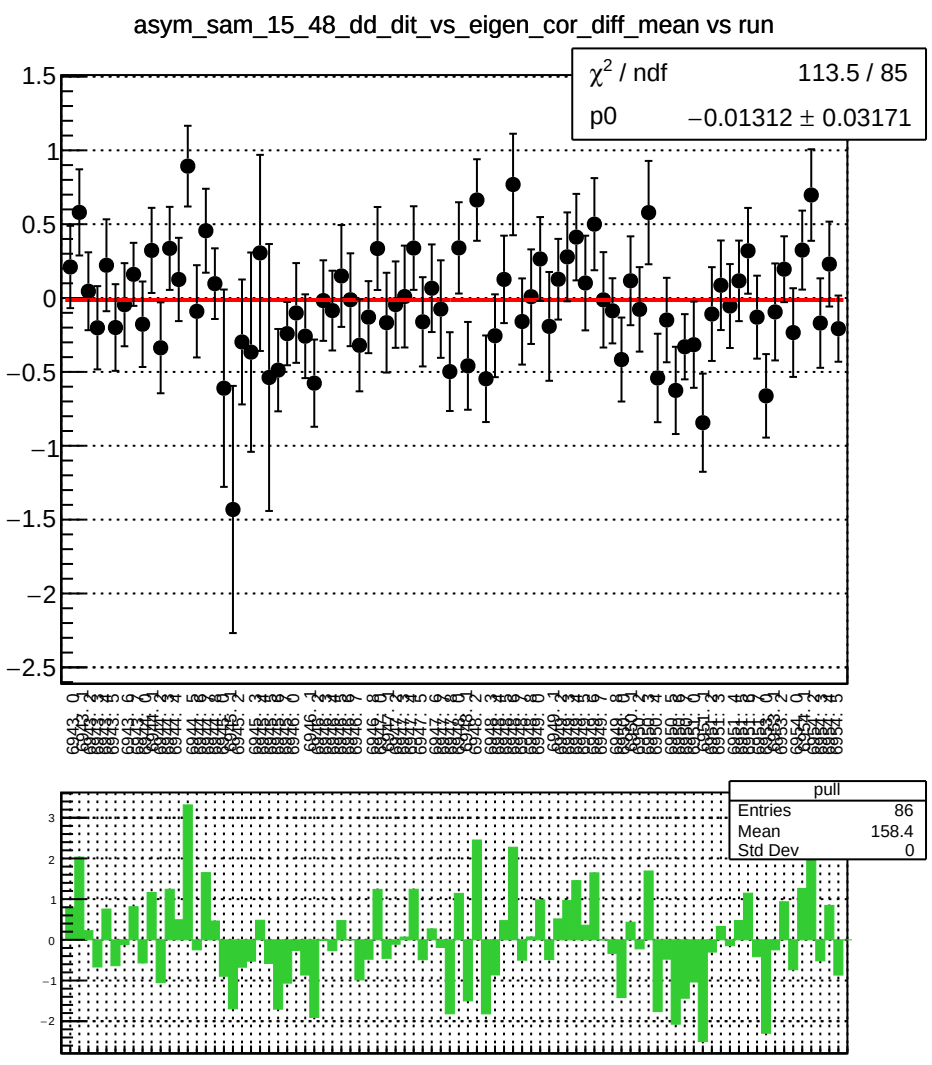

pull1D
Entries 86
Mean 0.01425
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

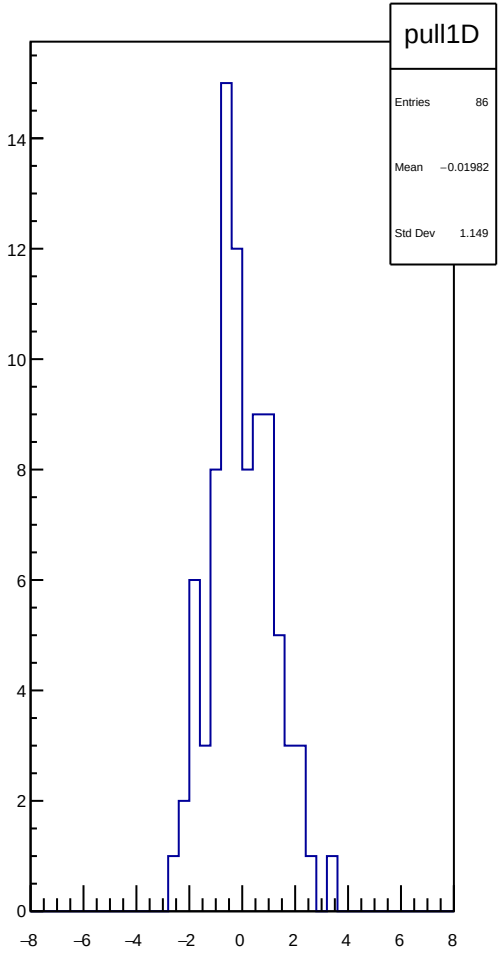

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.633e+05 / 85
p0 2e−11 ± 2.403e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

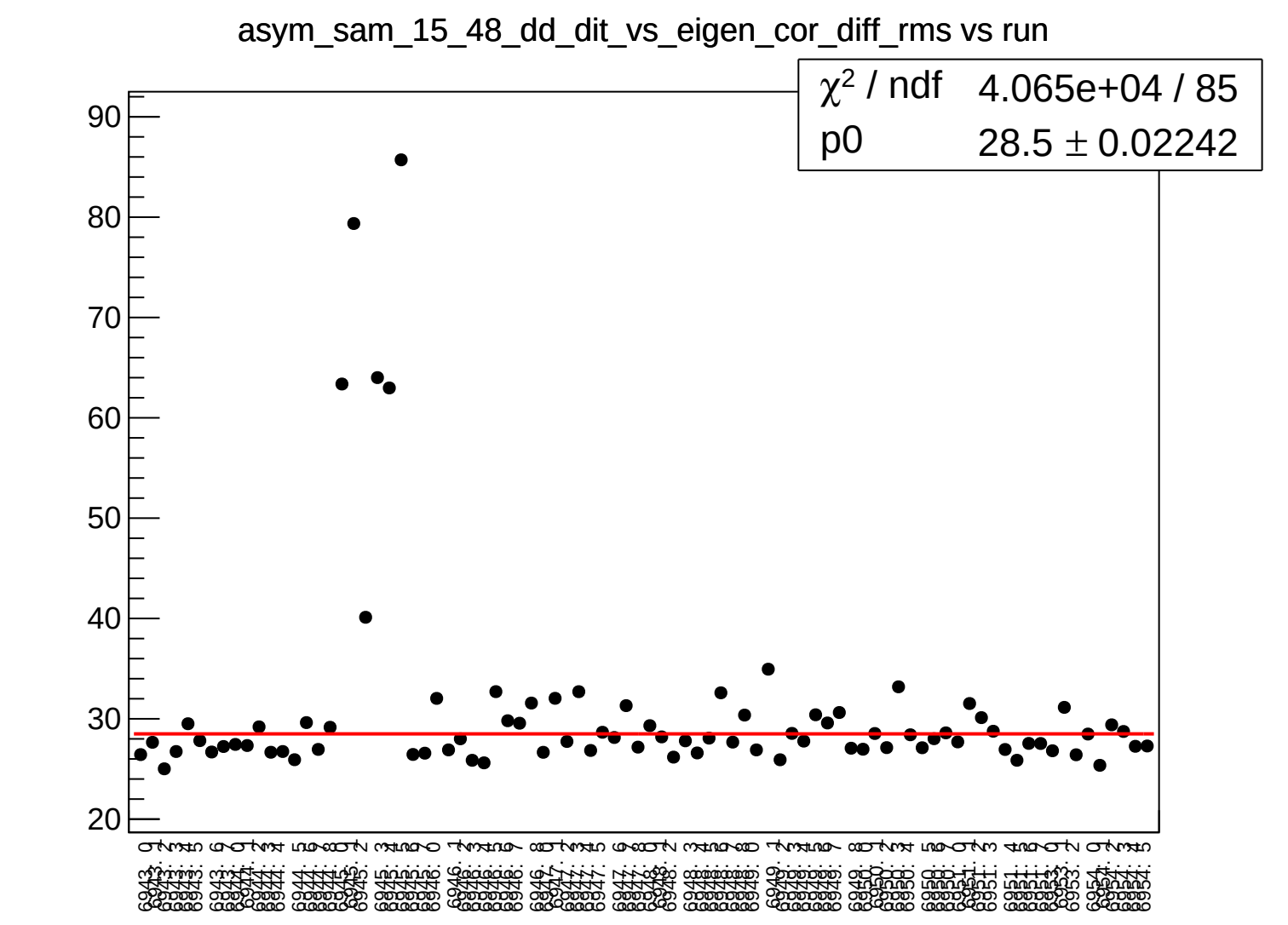

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.01312 ± 0.03171
pull
Entries 86
Mean 158.4
Std Dev 0

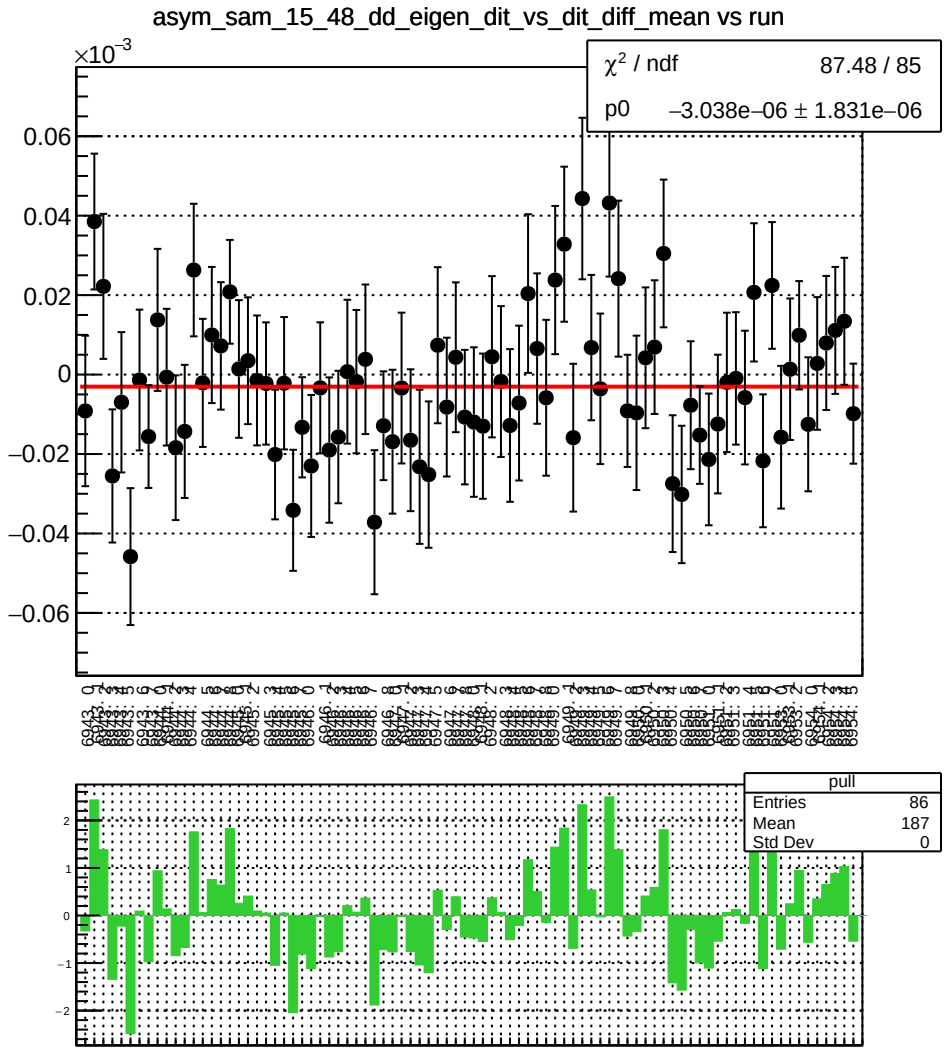

pull1D
Entries 86
Mean −0.01982
Std Dev 1.149

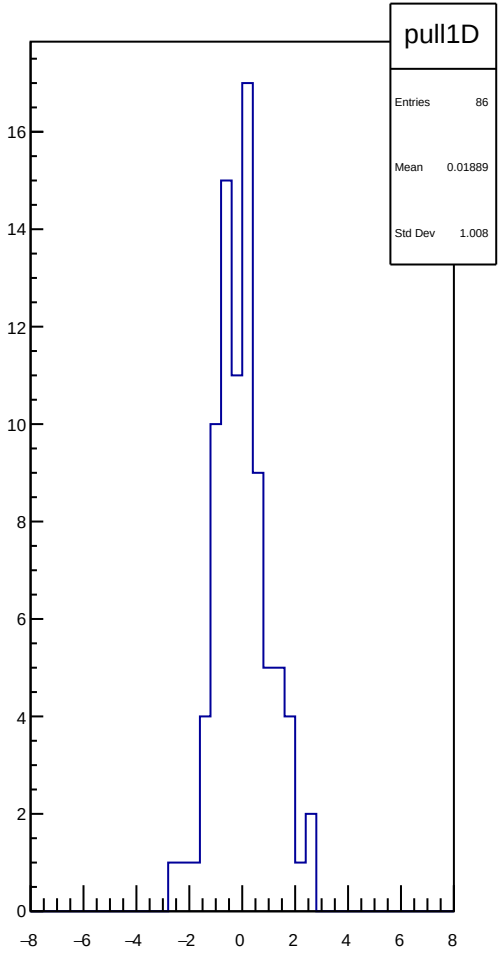

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.065e+04 / 85
p0 28.5 ± 0.02242
90
80
70
60
50
40
30
20

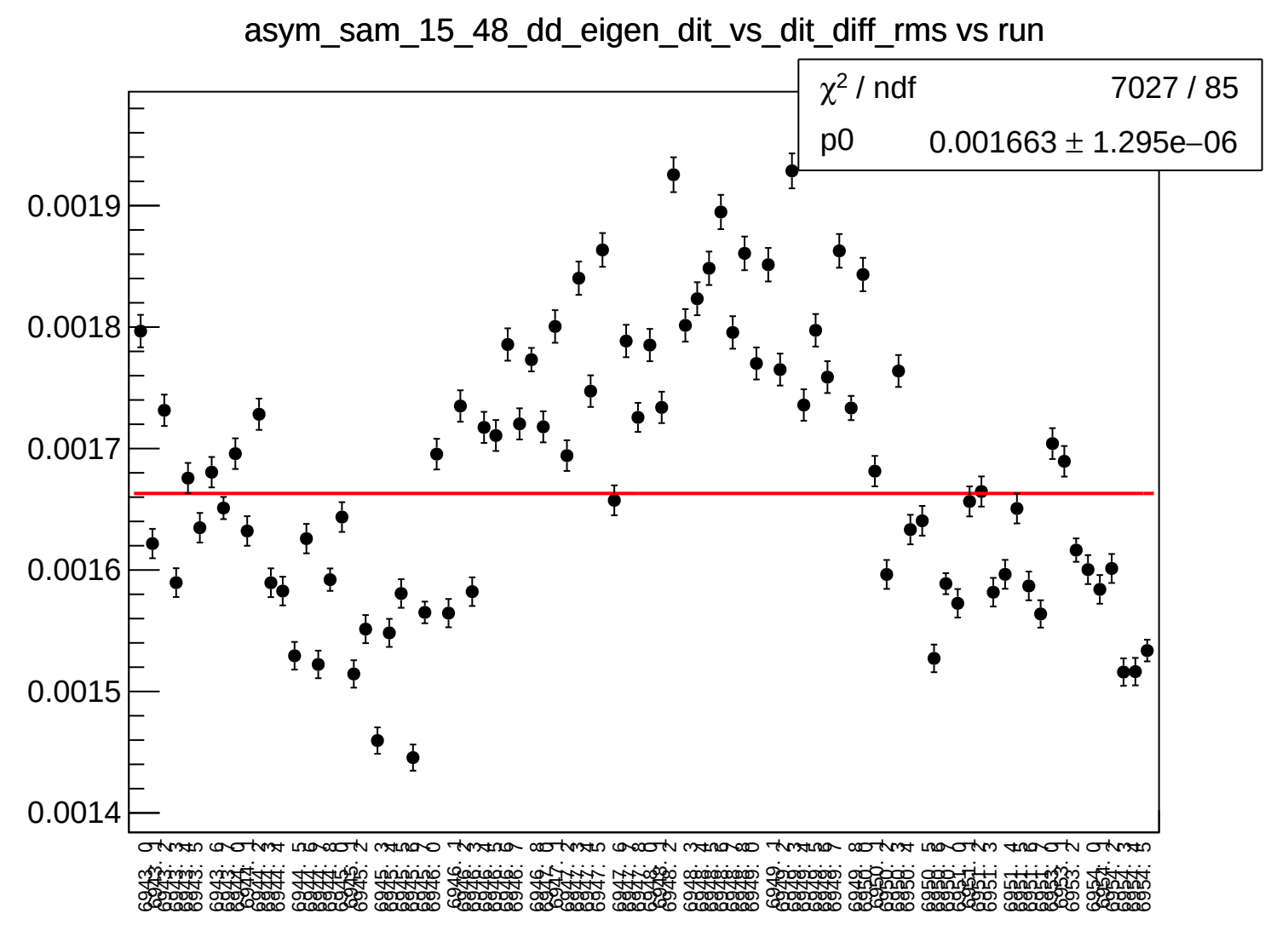

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.01312 ± 0.03171
pull
Entries 86
Mean 158.4
Std Dev 0

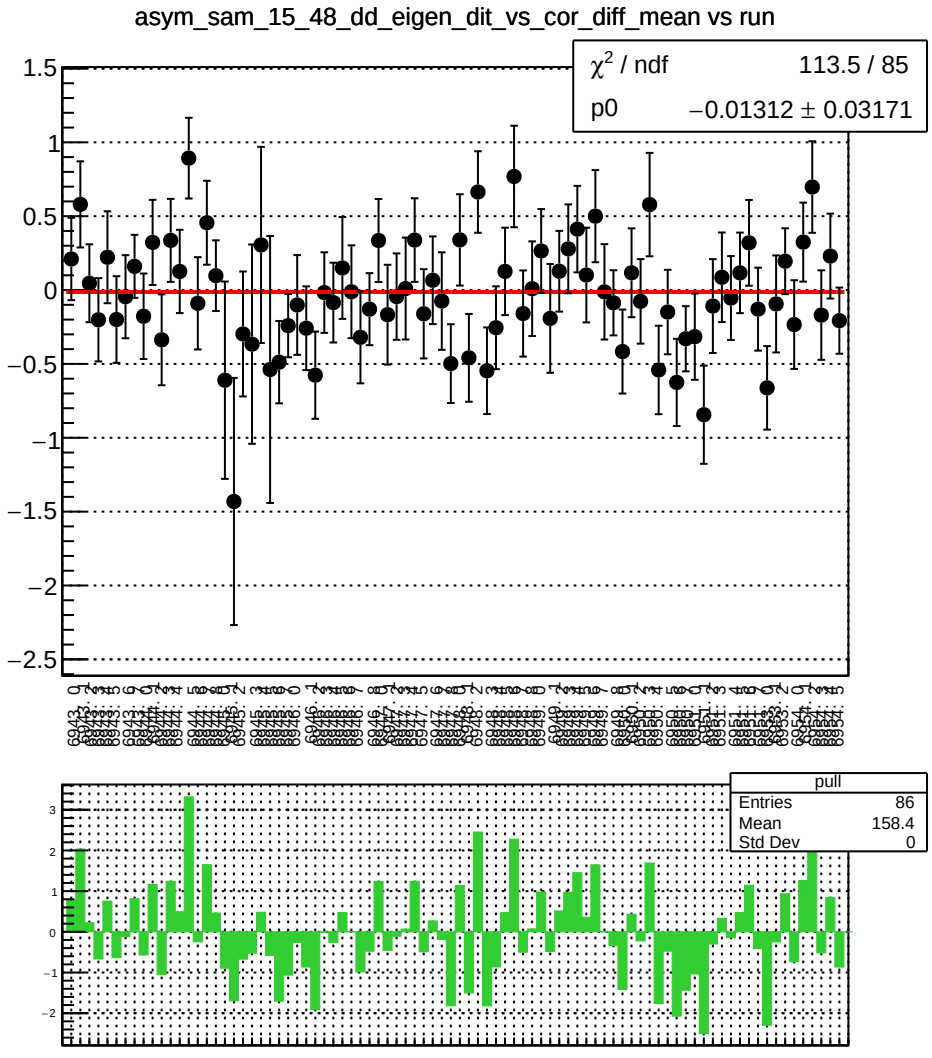

pull1D
Entries 86
Mean −0.01982
Std Dev 1.149

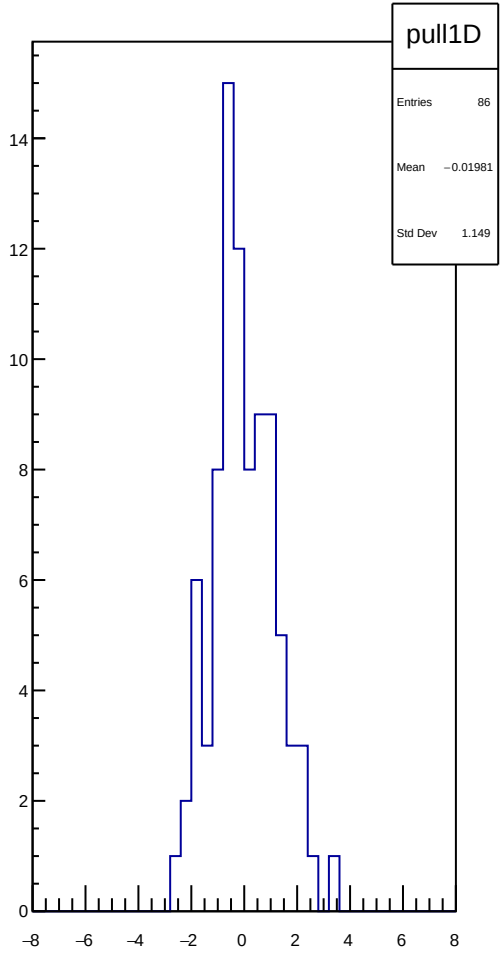

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.065e+04 / 85
p0 28.5 ± 0.02242
90
80
70
60
50
40
30
20

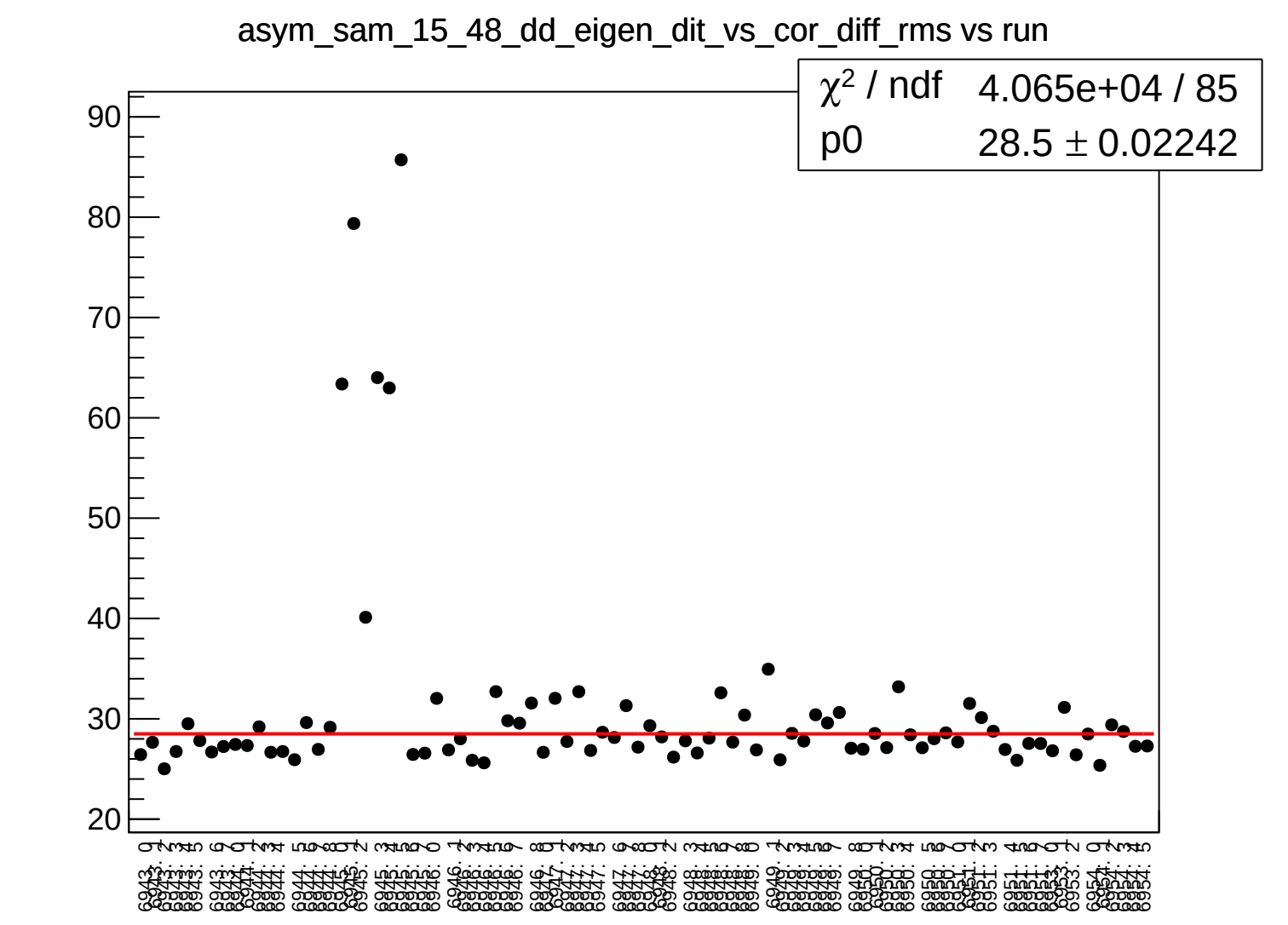

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 87.48 / 85
p0 −3.038e−06 ± 1.831e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean 187
Std Dev 0
2
1
0
−1
−2

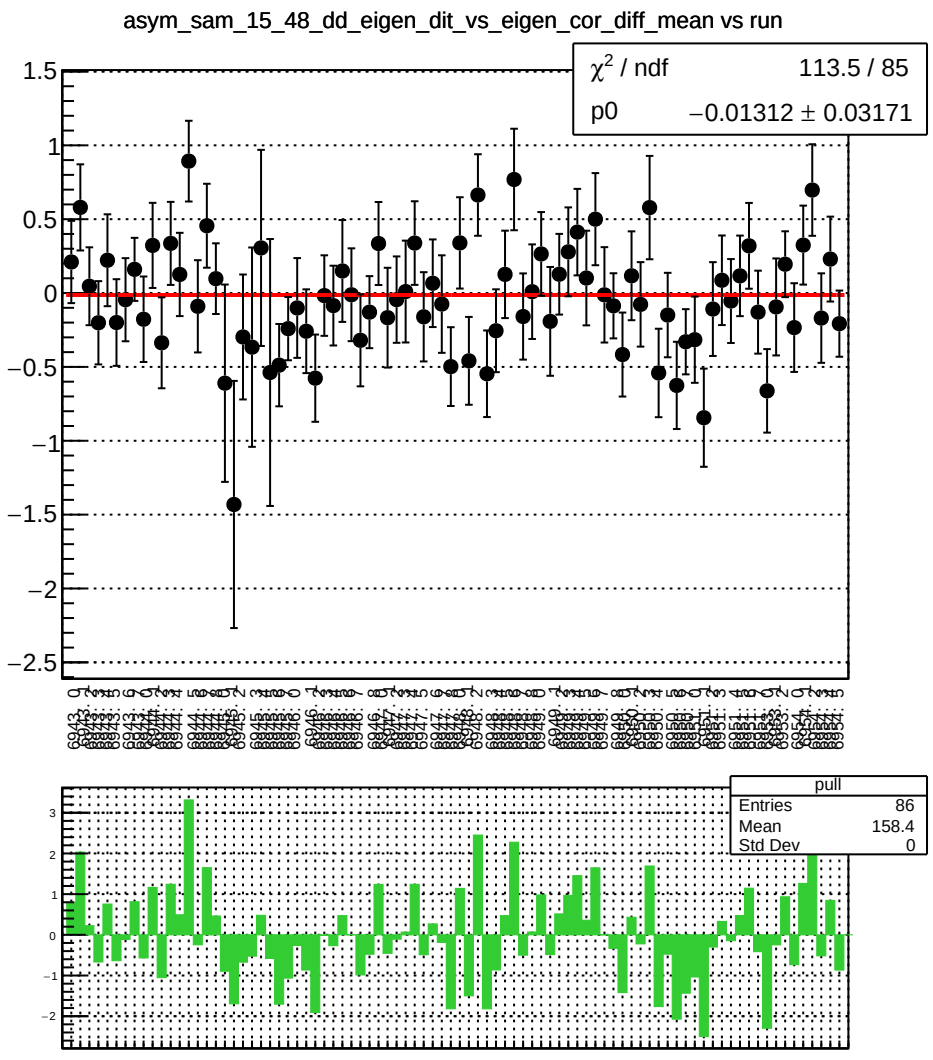

pull1D
Entries 86
Mean 0.01889
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

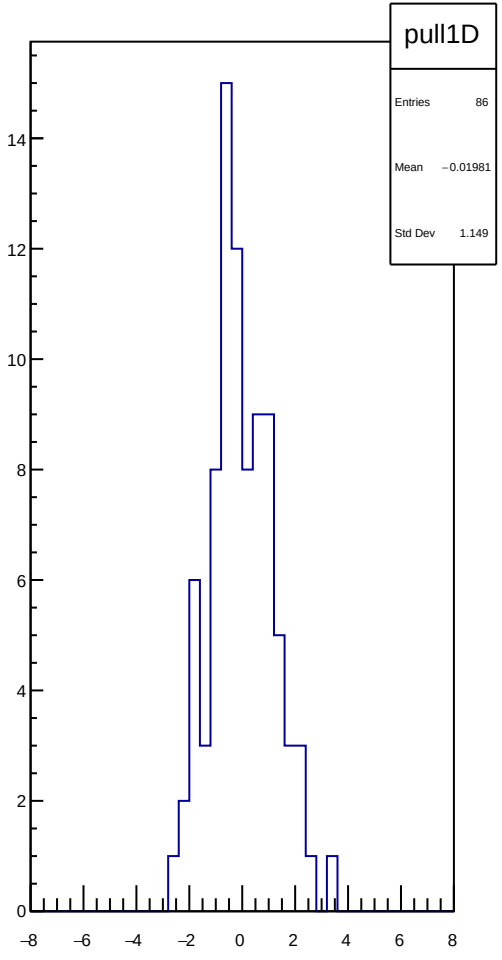

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7027 / 85
p0 0.001663 ± 1.295e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014

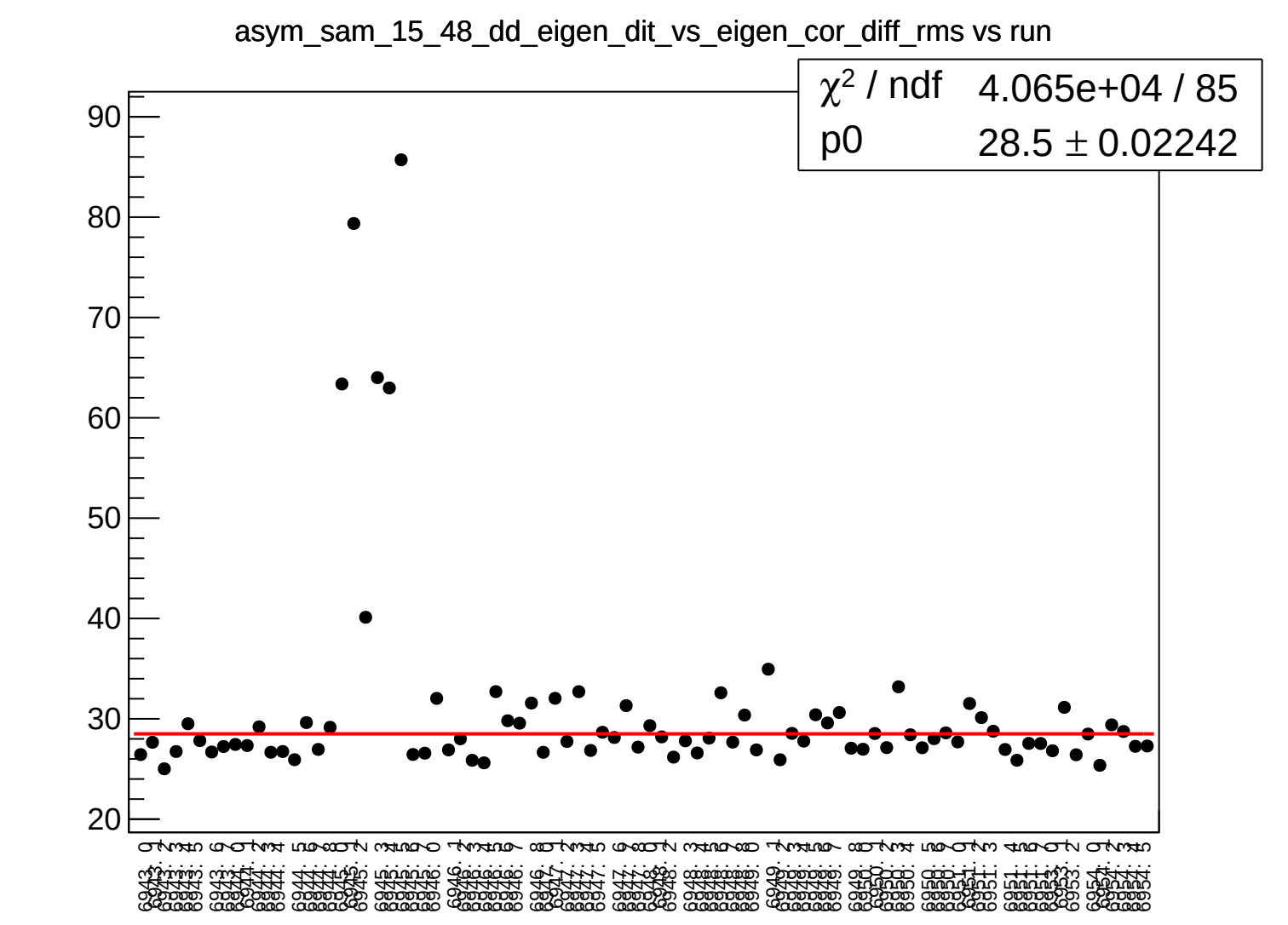

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.01312 ± 0.03171
pull
Entries 86
Mean 158.4
Std Dev 0

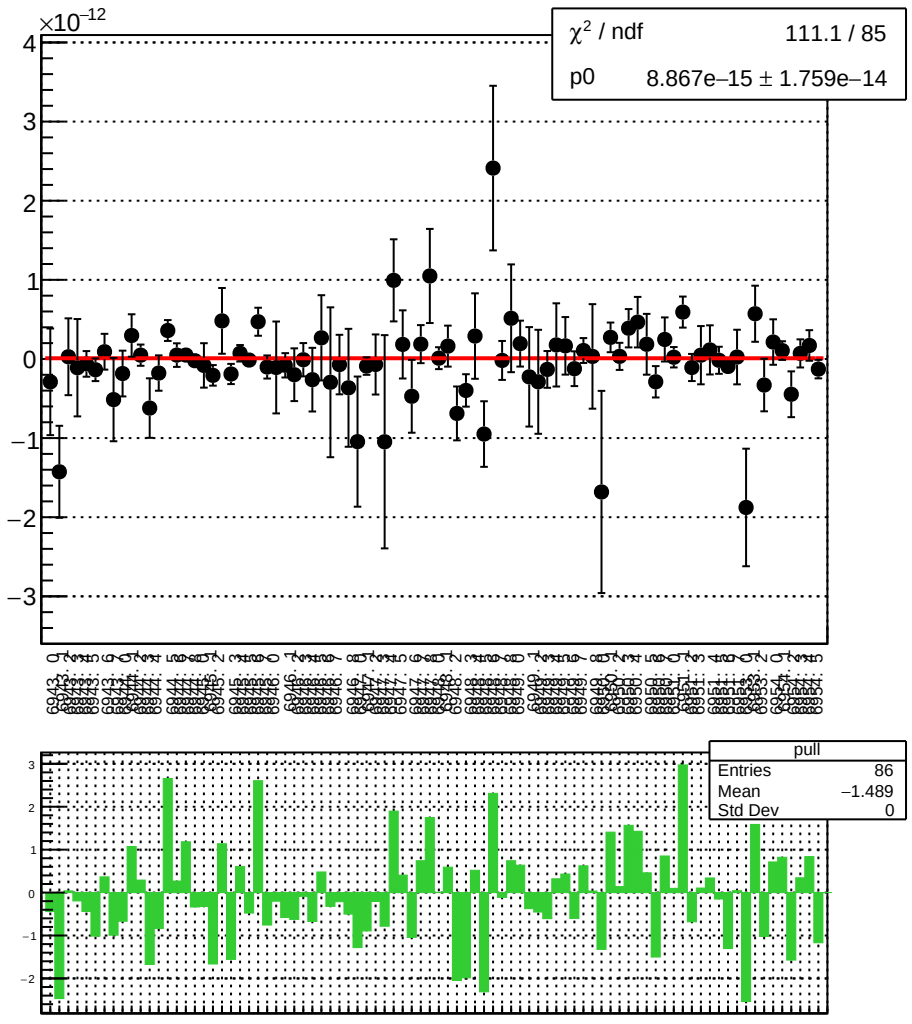

pull1D
Entries 86
Mean −0.01981
Std Dev 1.149

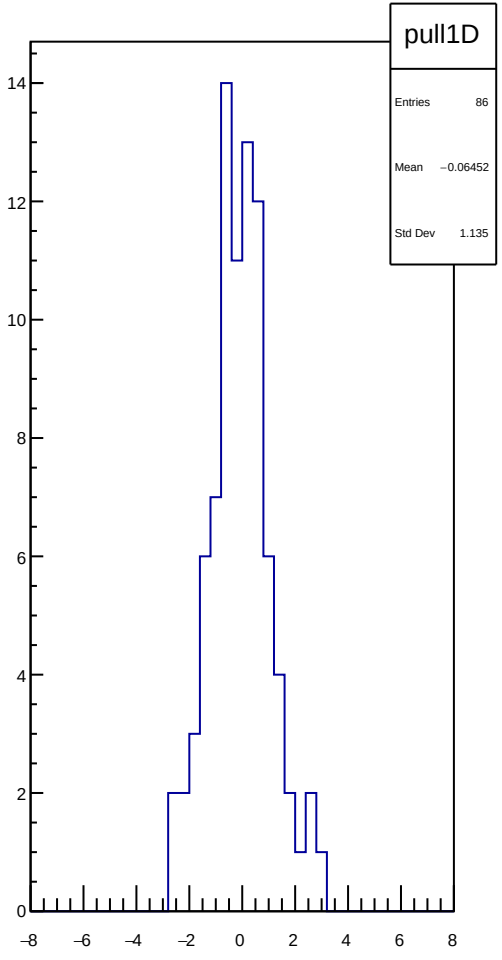

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.065e+04 / 85
p0 28.5 ± 0.02242
90
80
70
60
50
40
30
20

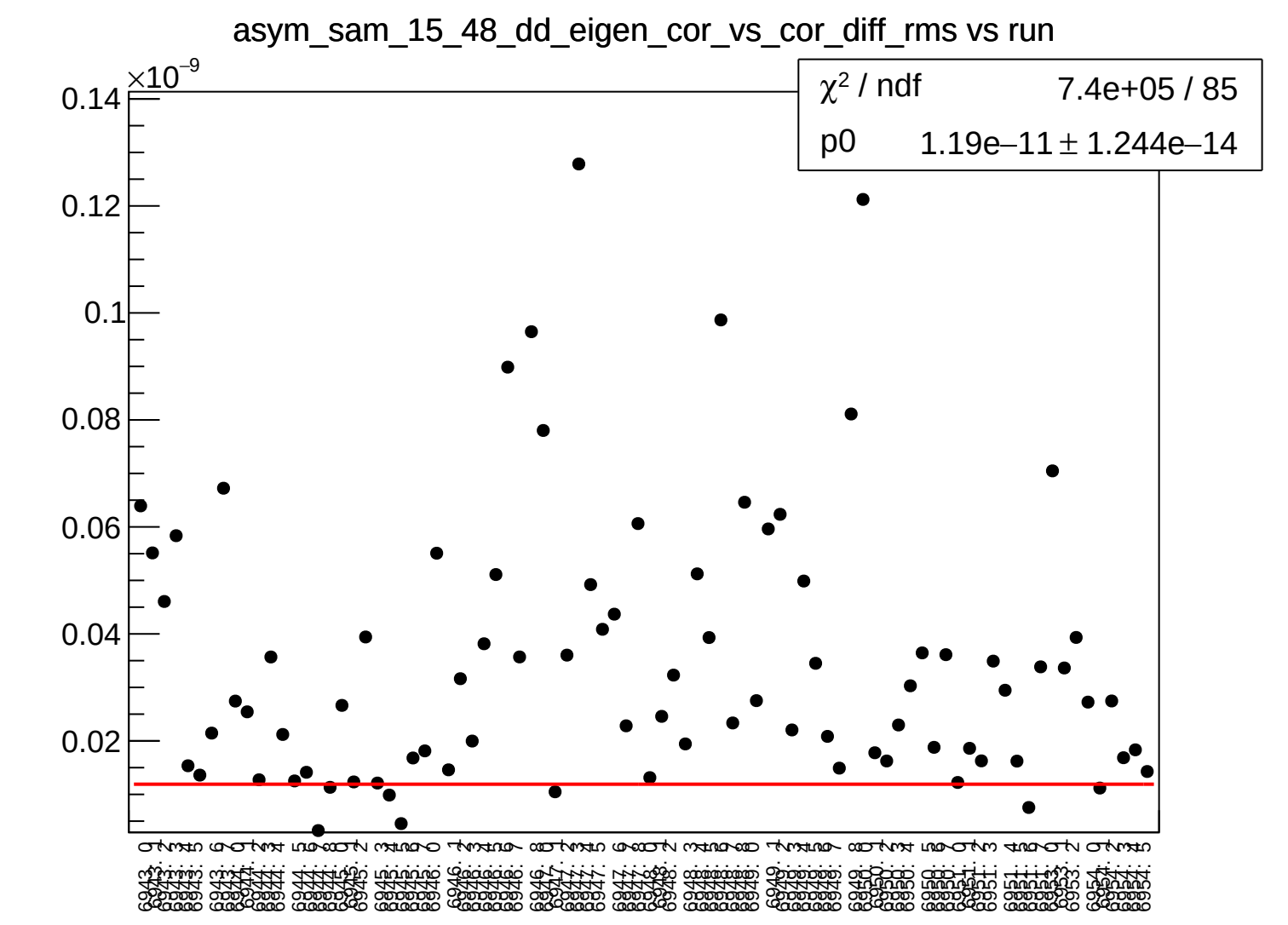

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.5 / 85
p0 −0.01312 ± 0.03171
pull
Entries 86
Mean 158.4
Std Dev 0

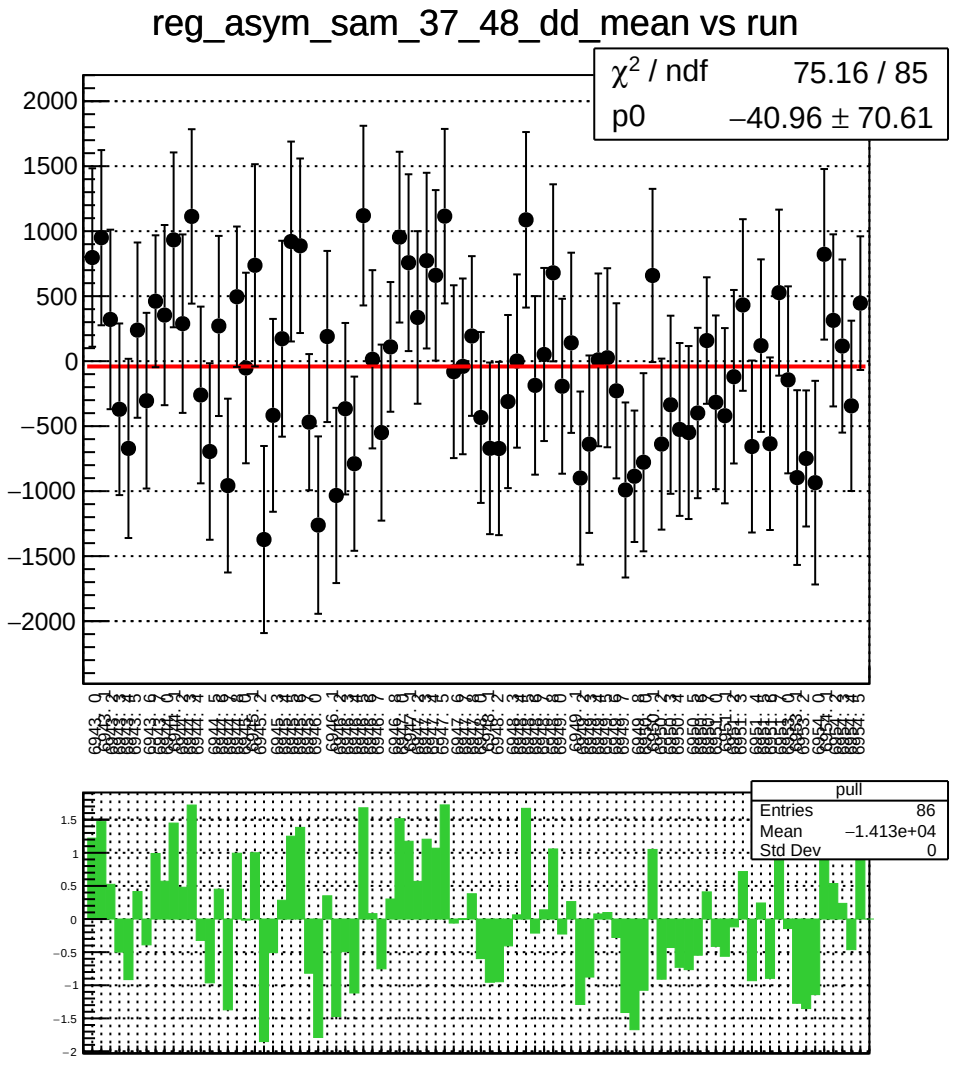

pull1D
Entries 86
Mean −0.01981
Std Dev 1.149

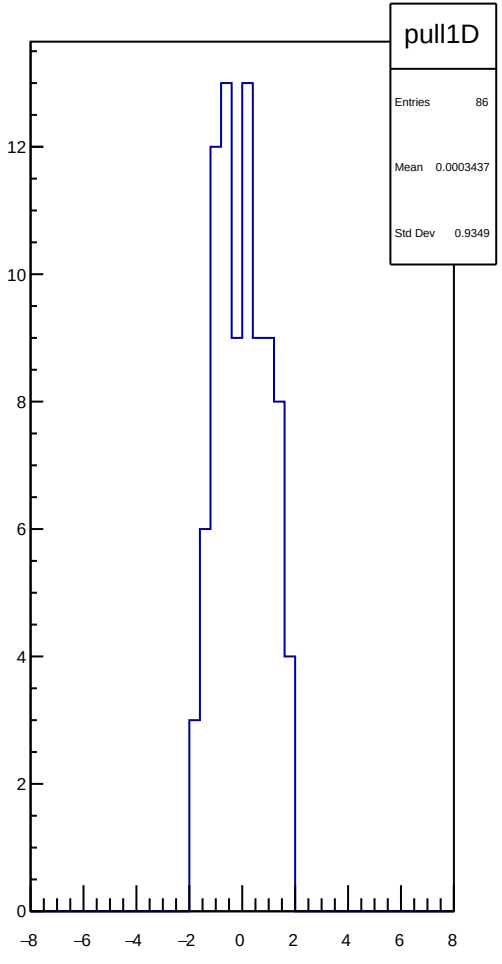

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.065e+04 / 85
p0 28.5 ± 0.02242
90
80
70
60
50
40
30
20

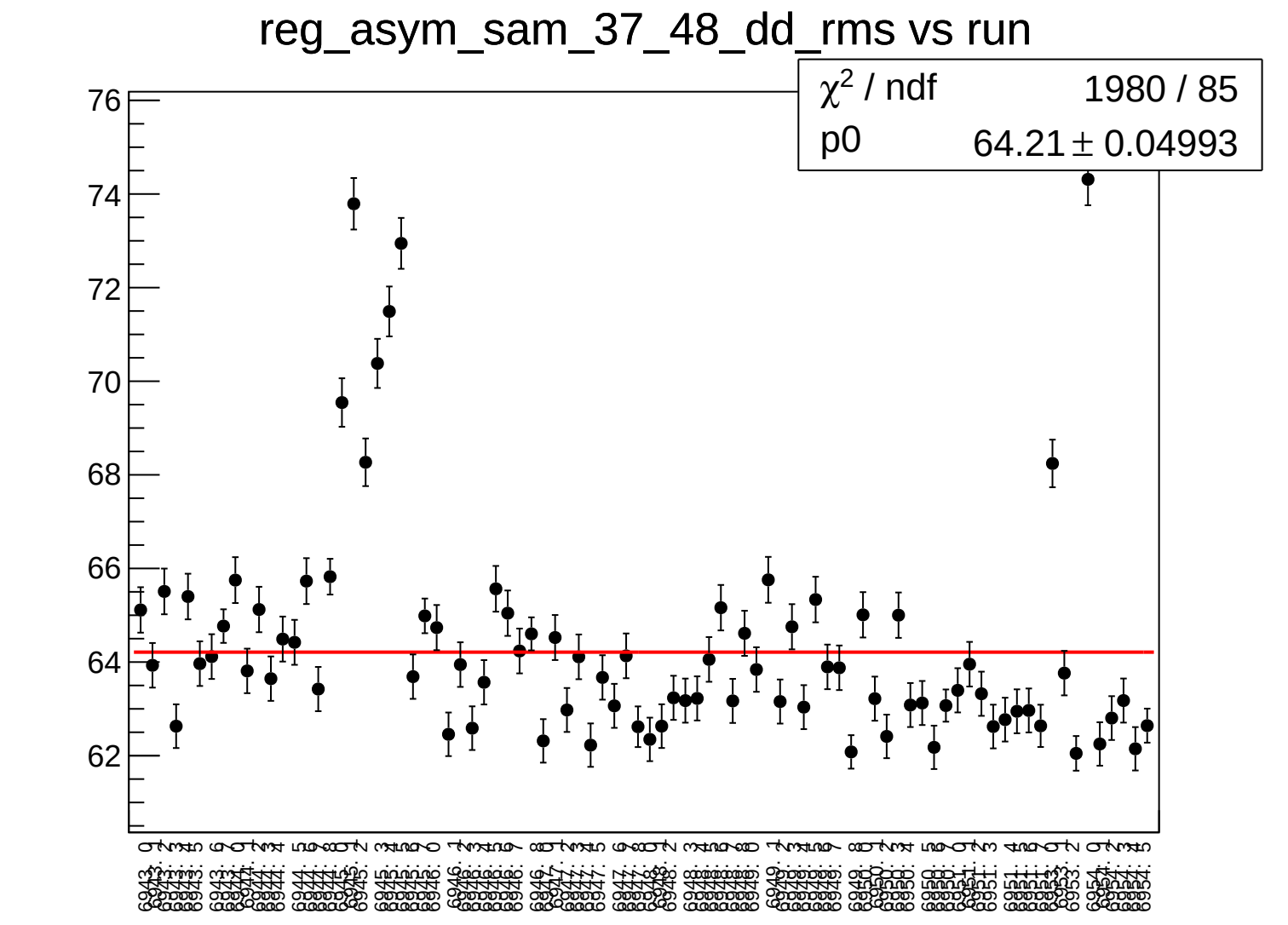

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.1 / 85
p0 8.867e−15 ± 1.759e−14
pull
Entries 86
Mean −1.489
Std Dev 0

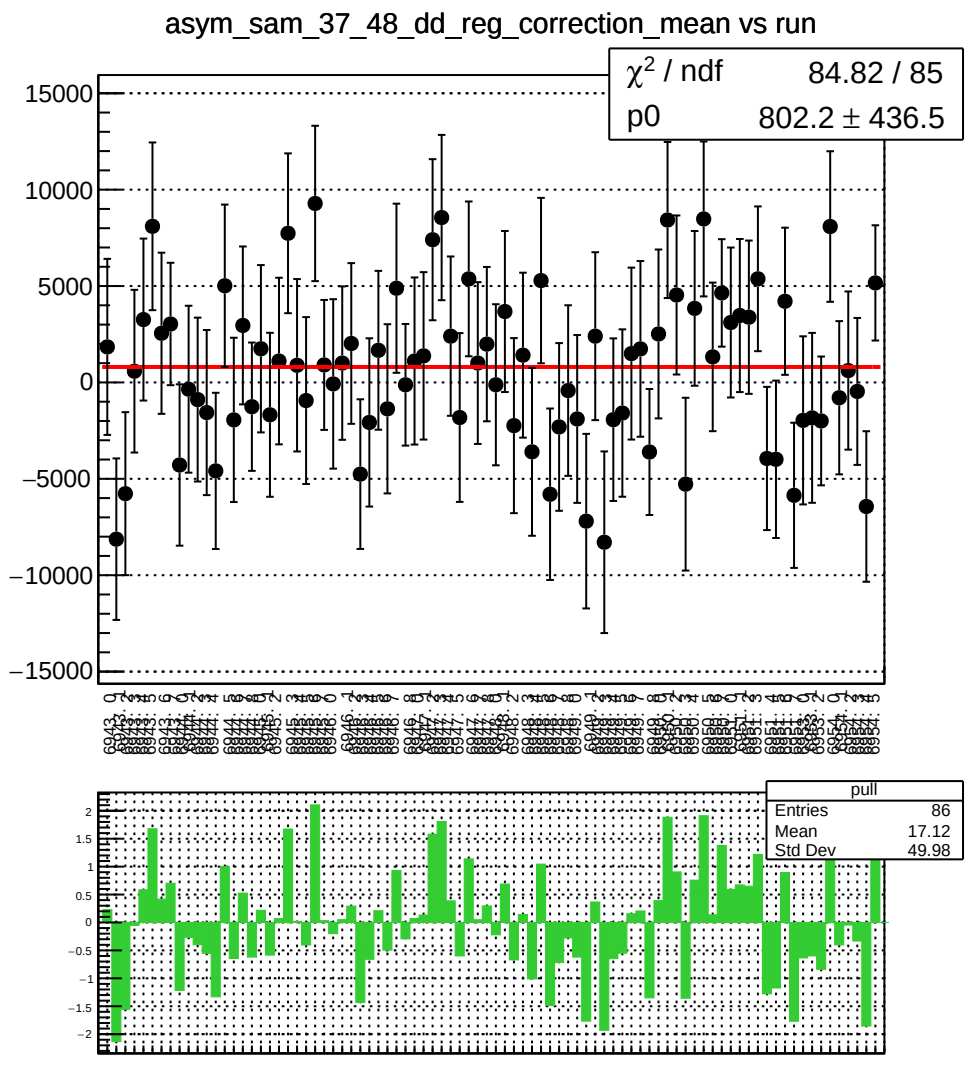

pull1D
Entries 86
Mean −0.06452
Std Dev 1.135

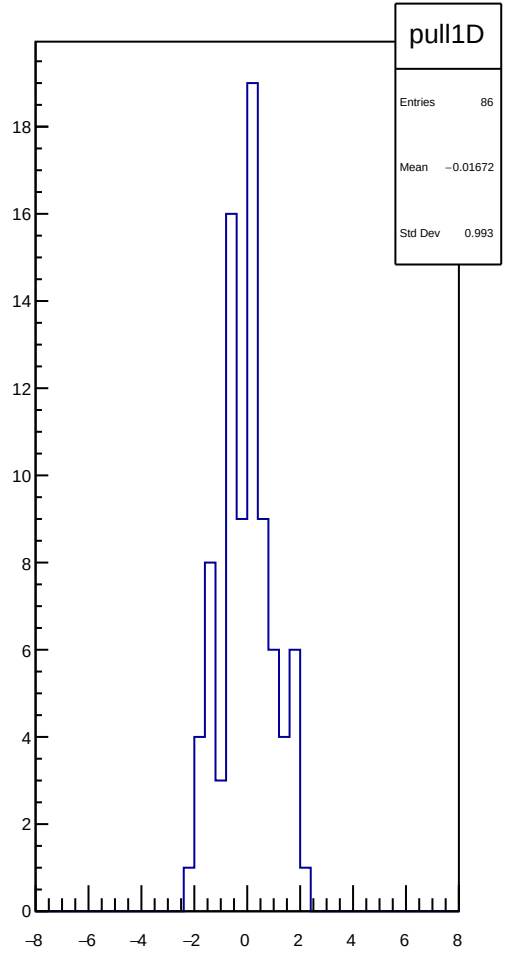

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 7.4e+05 / 85
p0 1.19e−11 ± 1.244e−14

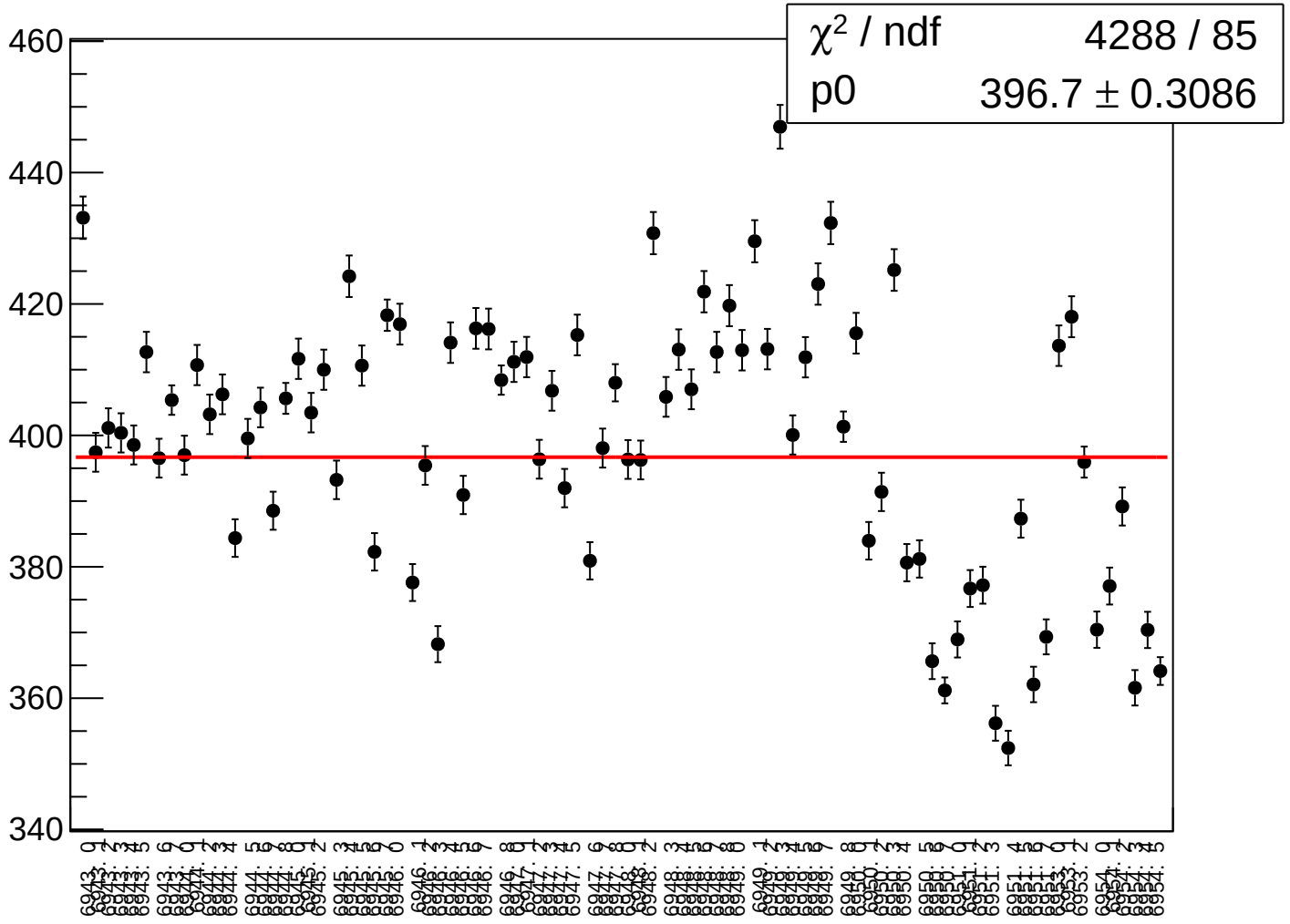

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 75.16 / 85
p0 −40.96 ± 70.61
pull
Entries 86
Mean −1.413e+04
Std Dev 0

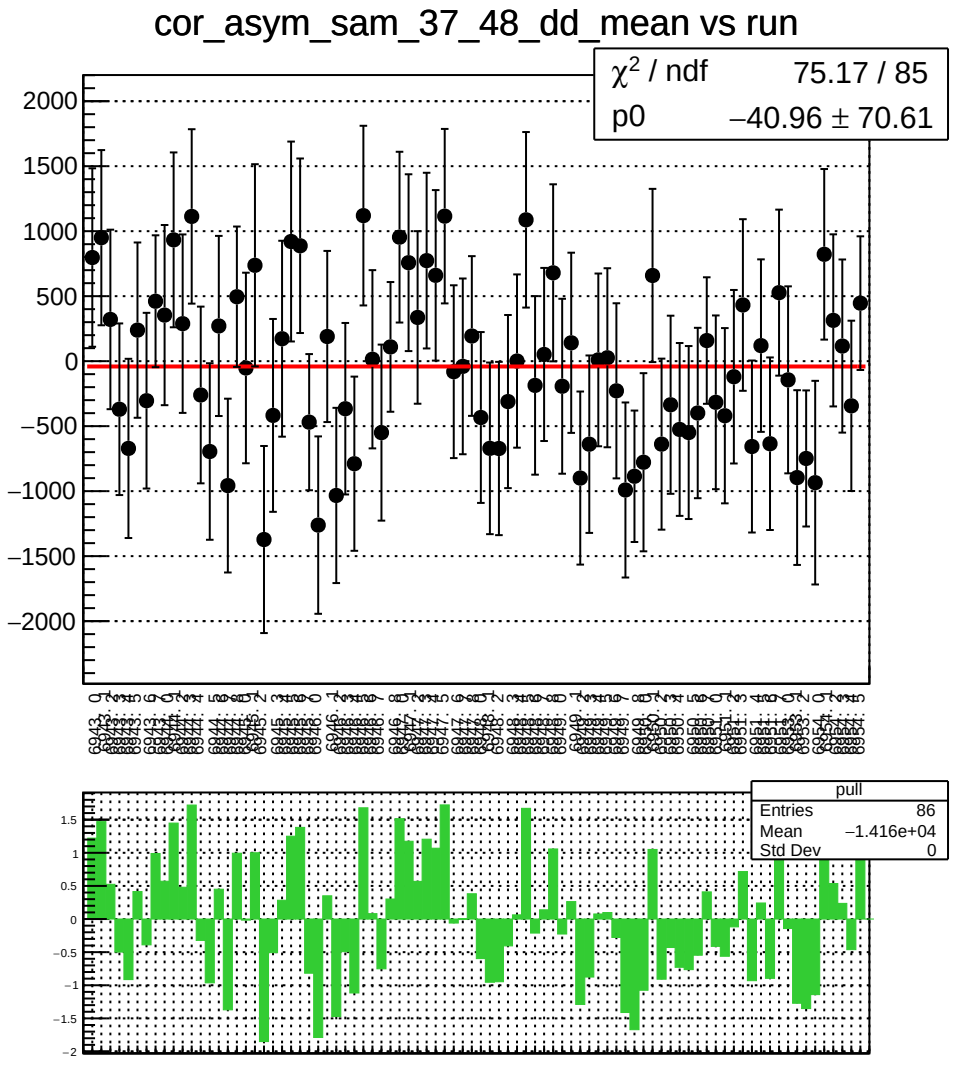

pull1D
Entries 86
Mean 0.0003437
Std Dev 0.9349

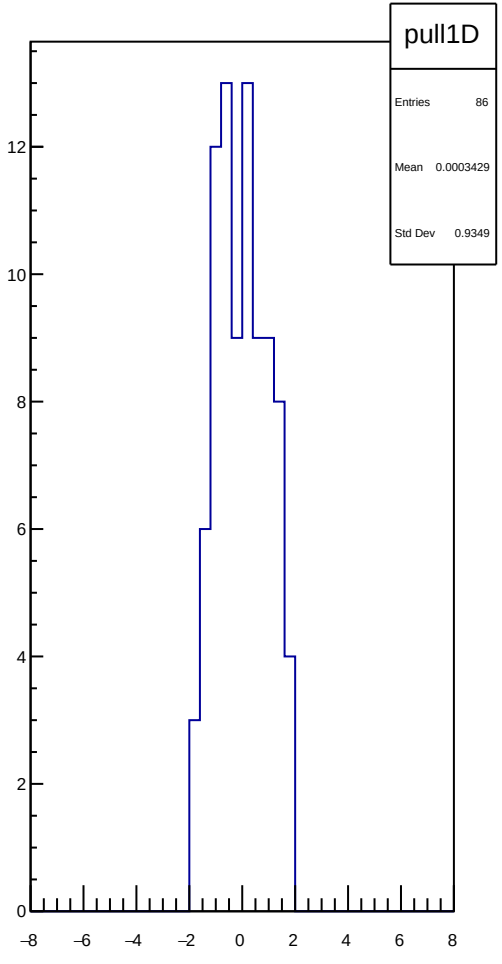

reg_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1980 / 85
p0 64.21 ± 0.04993
76
74
72
70
68
66
64
62

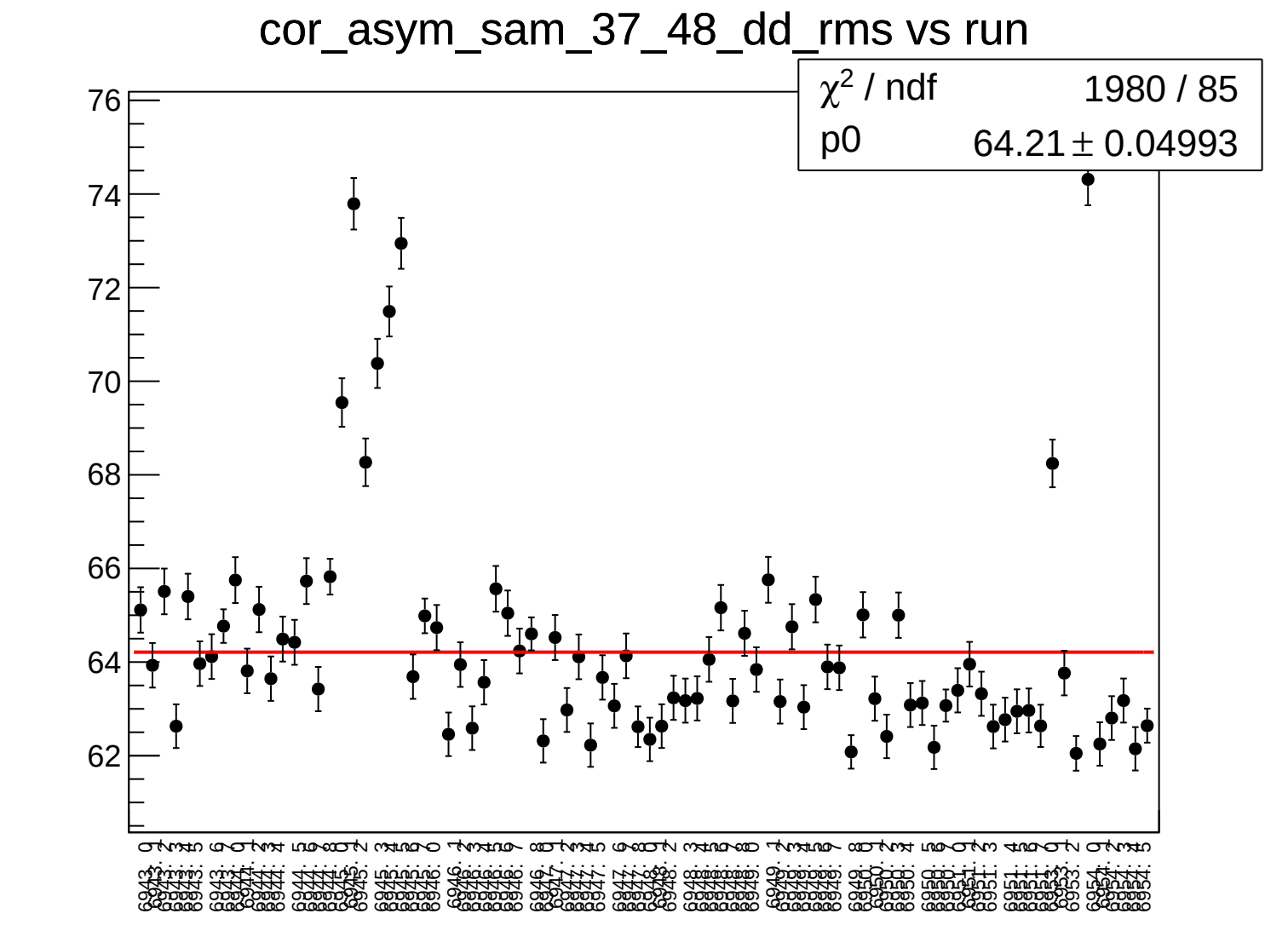

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 84.82 / 85
p0 802.2 ± 436.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.12
Std Dev 49.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

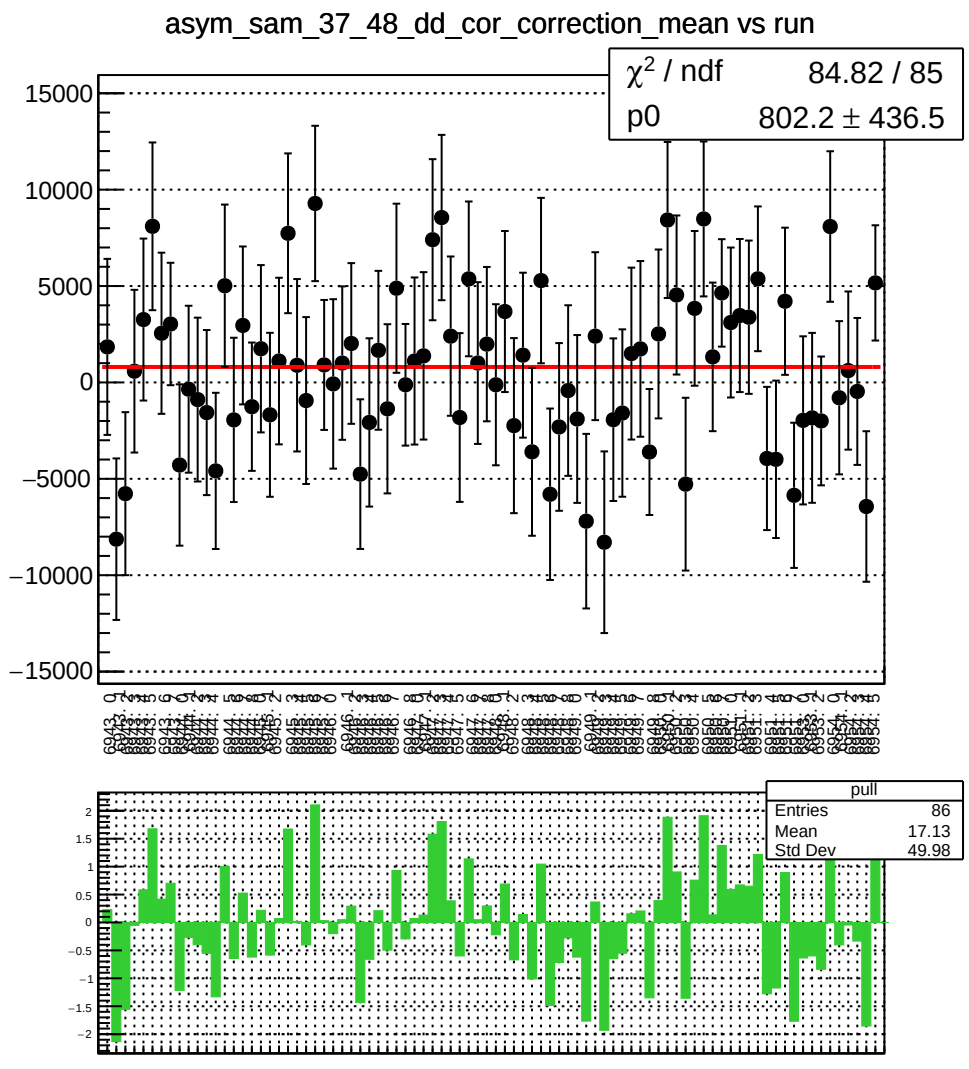

pull1D
Entries 86
Mean −0.01672
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

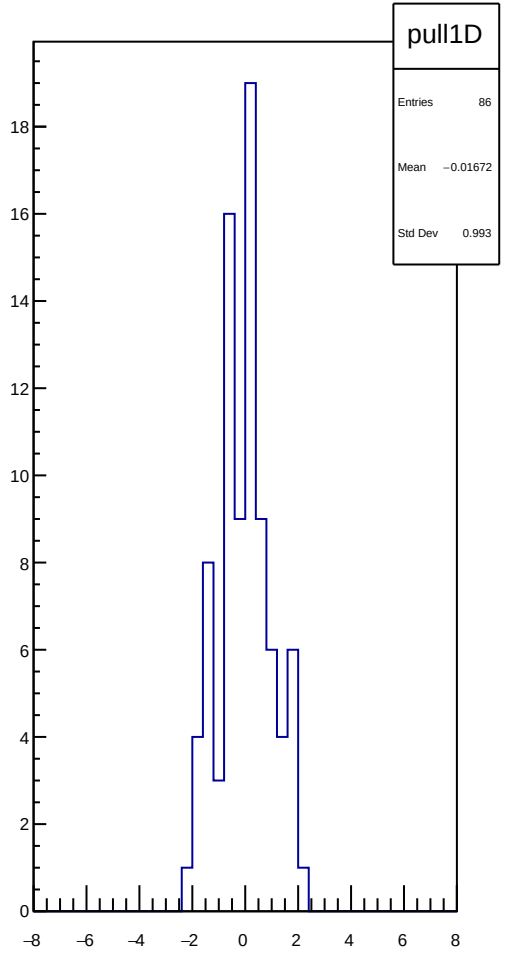

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 4288 / 85
p0 396.7 ± 0.3086
460
440
420
400
380
360
340

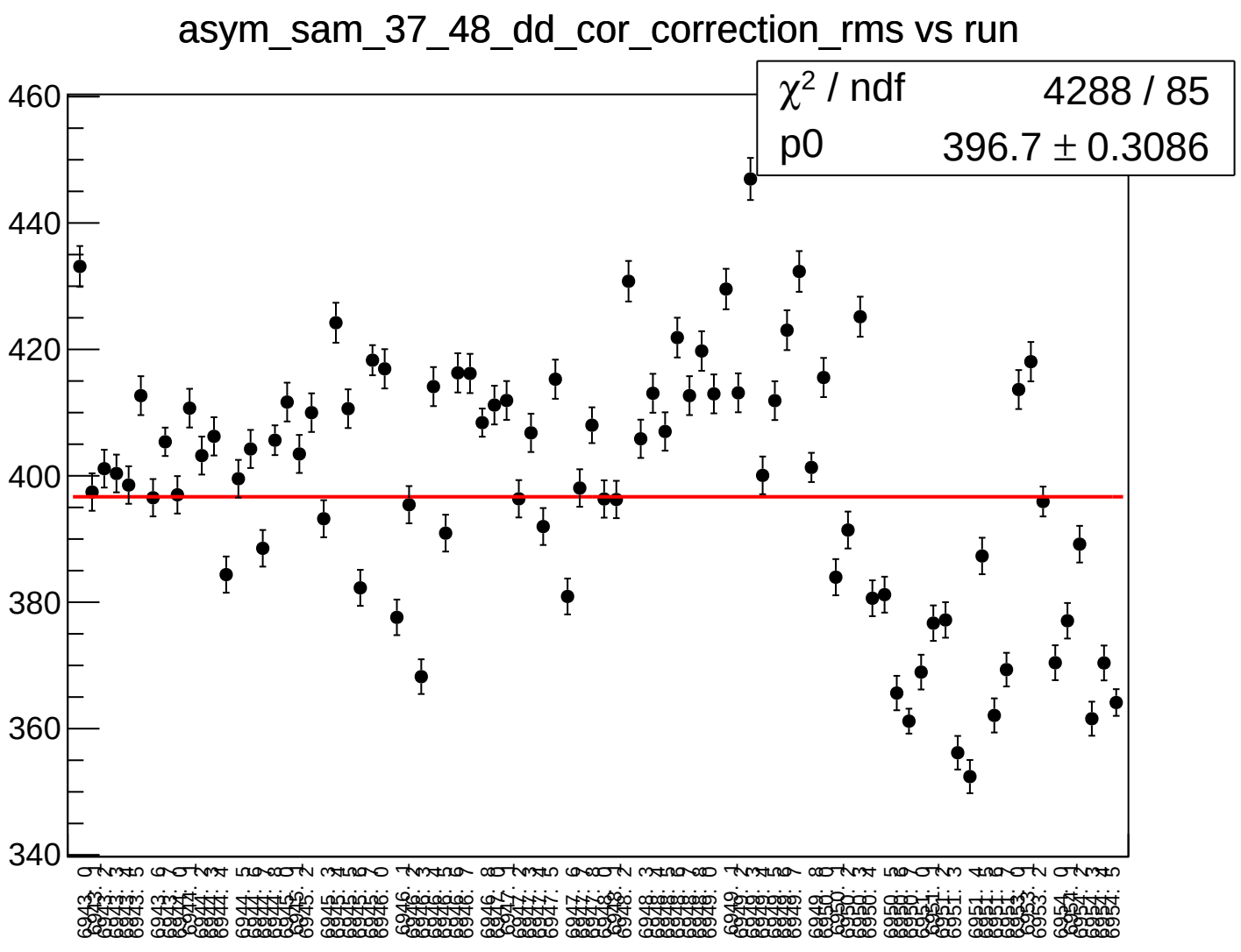

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 75.17 / 85
p0 −40.96 ± 70.61
pull
Entries 86
Mean −1.416e+04
Std Dev 0

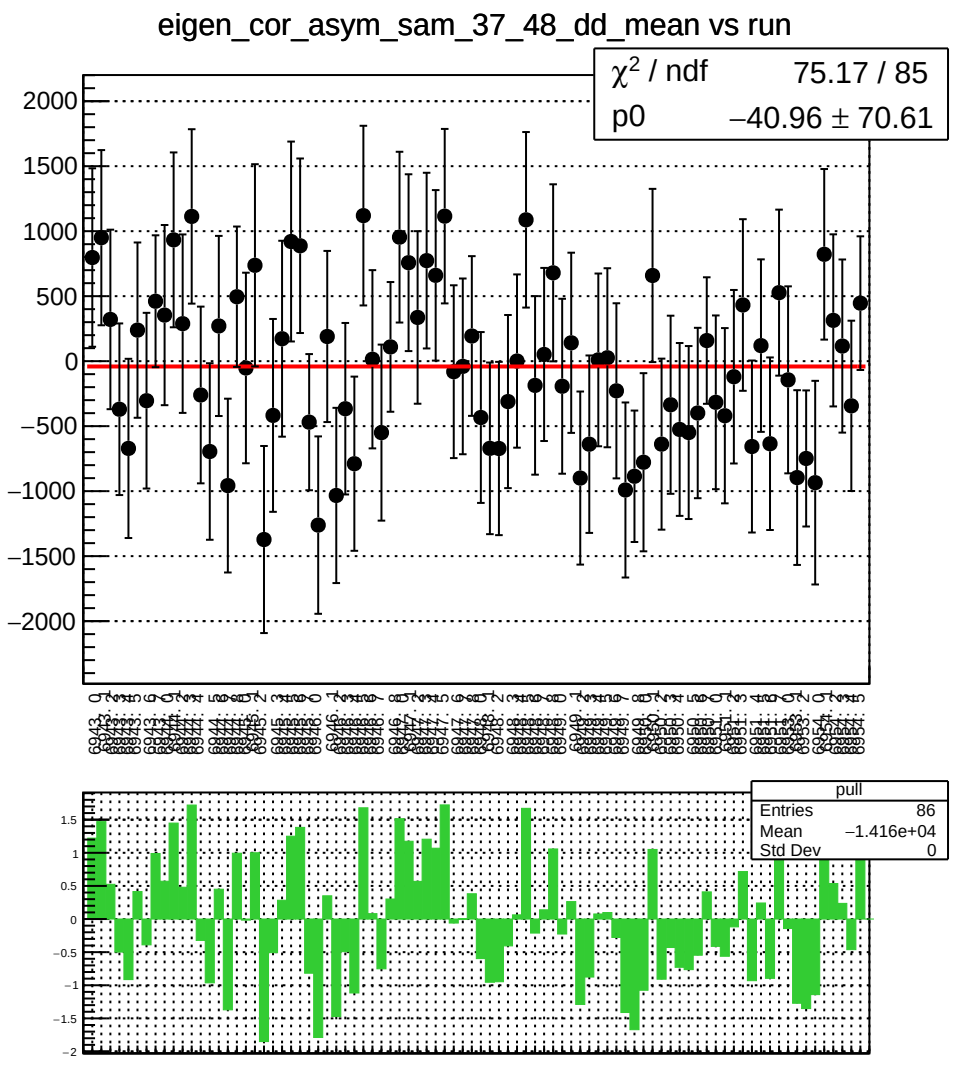

pull1D
Entries 86
Mean 0.0003429
Std Dev 0.9349

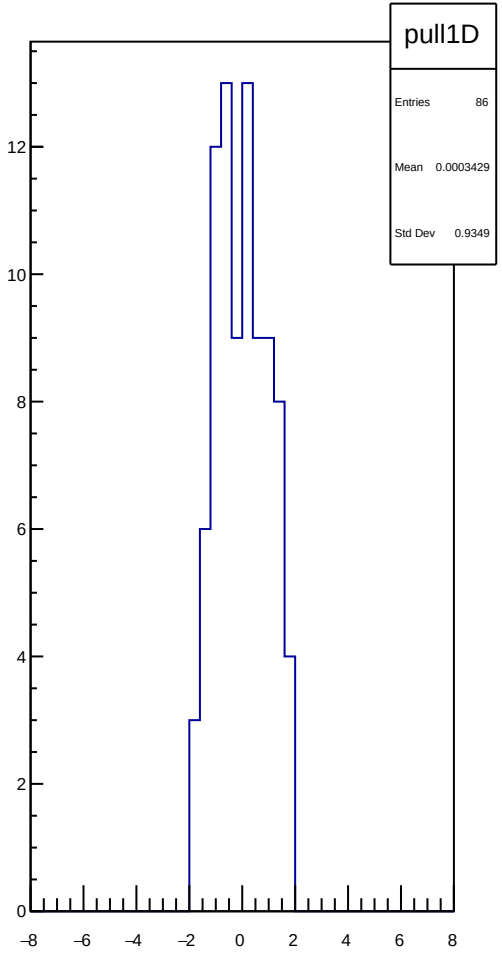

cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1980 / 85
p0 64.21 ± 0.04993
76
74
72
70
68
66
64
62

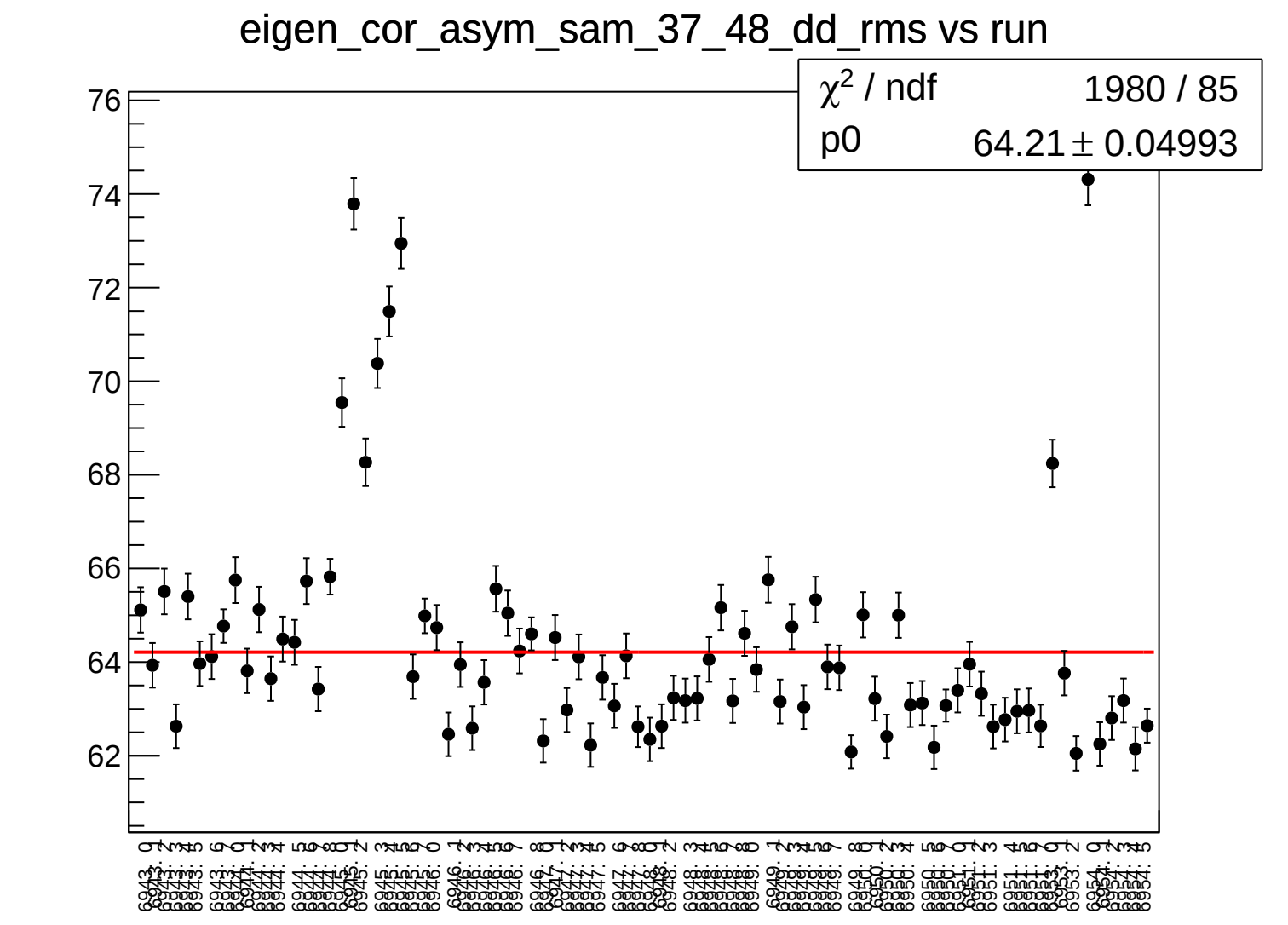

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 84.82 / 85
p0 802.2 ± 436.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.13
Std Dev 49.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

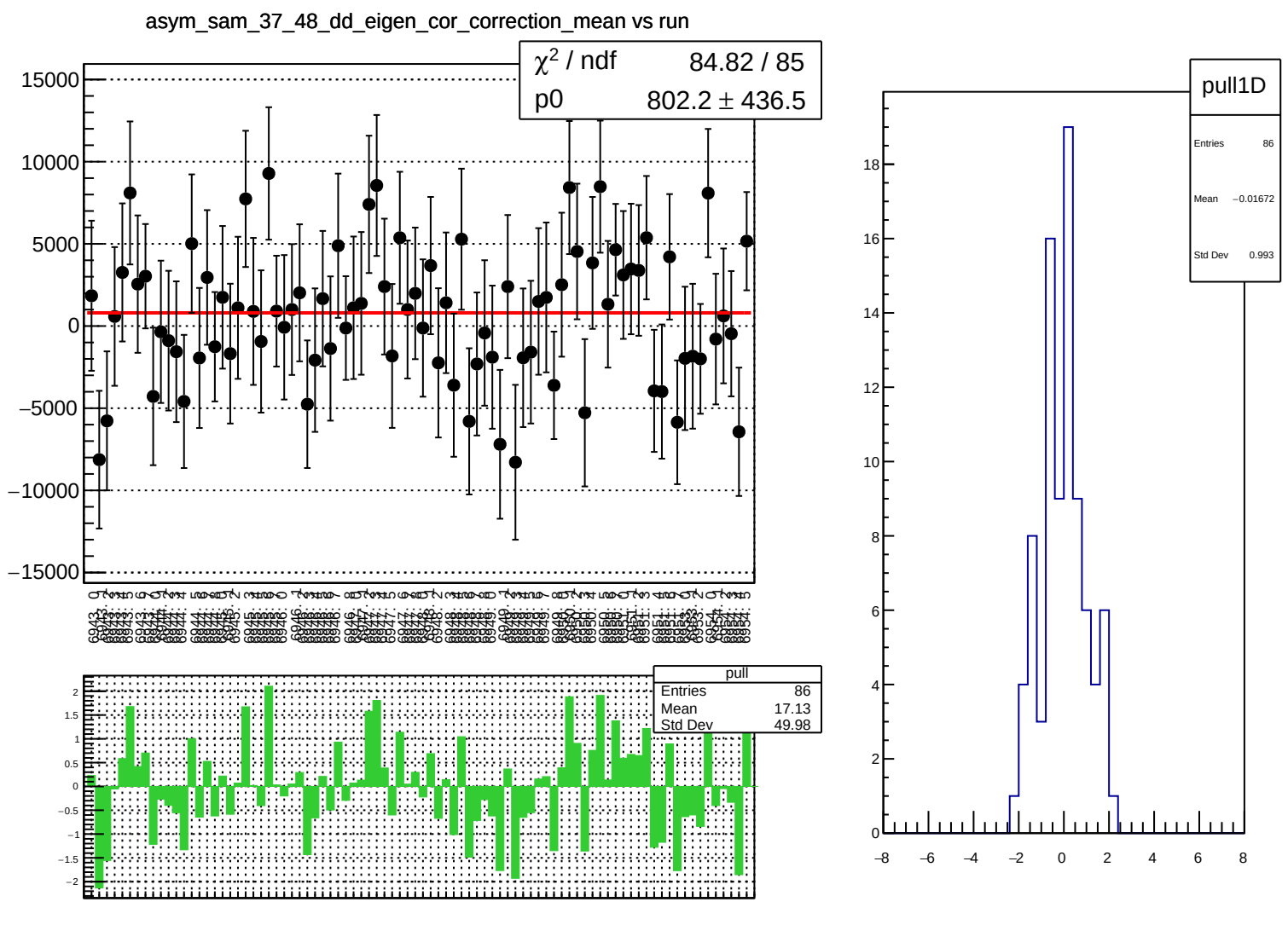

pull1D
Entries 86
Mean −0.01672
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

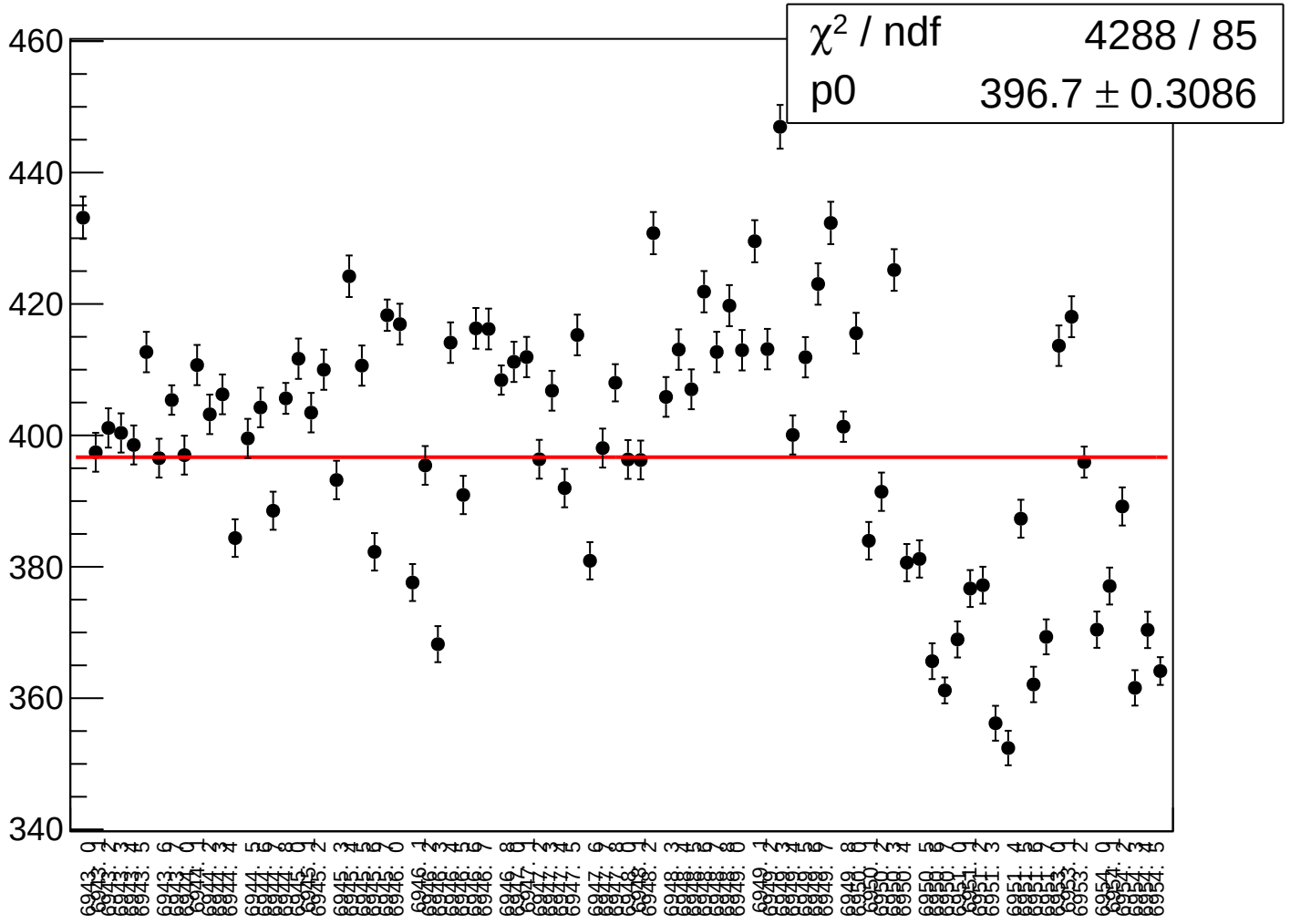

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4288 / 85
p0 396.7 ± 0.3086
460
440
420
400
380
360
340

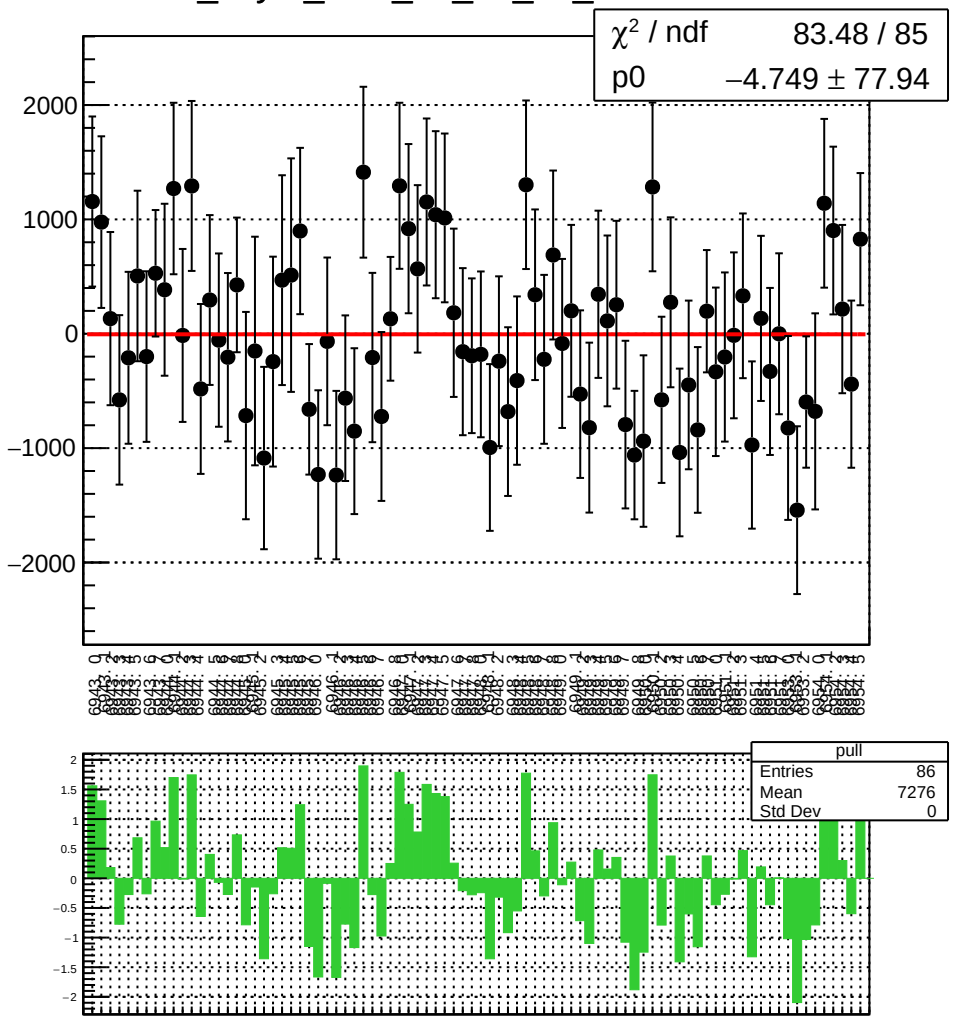

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 75.17 / 85
p0 −40.96 ± 70.61
pull
Entries 86
Mean −1.416e+04
Std Dev 0

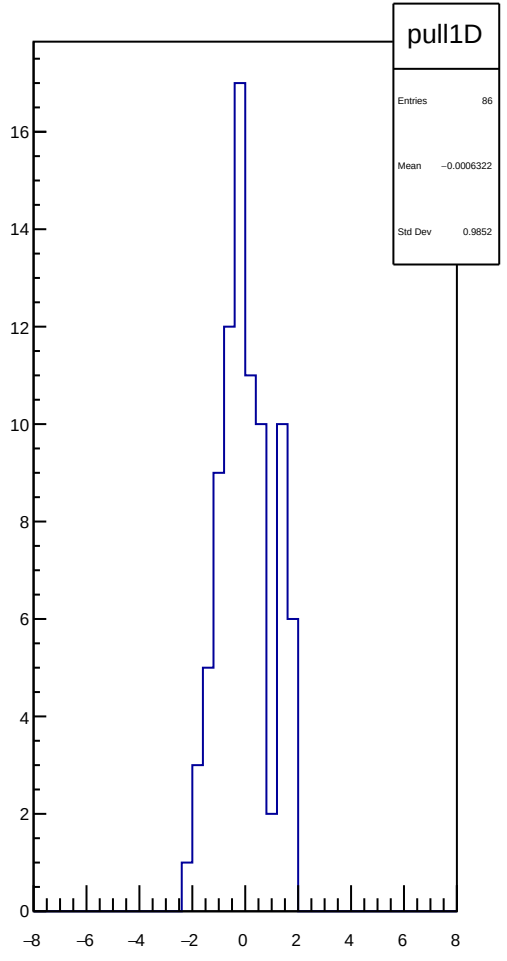

pull1D
Entries 86
Mean 0.0003429
Std Dev 0.9349

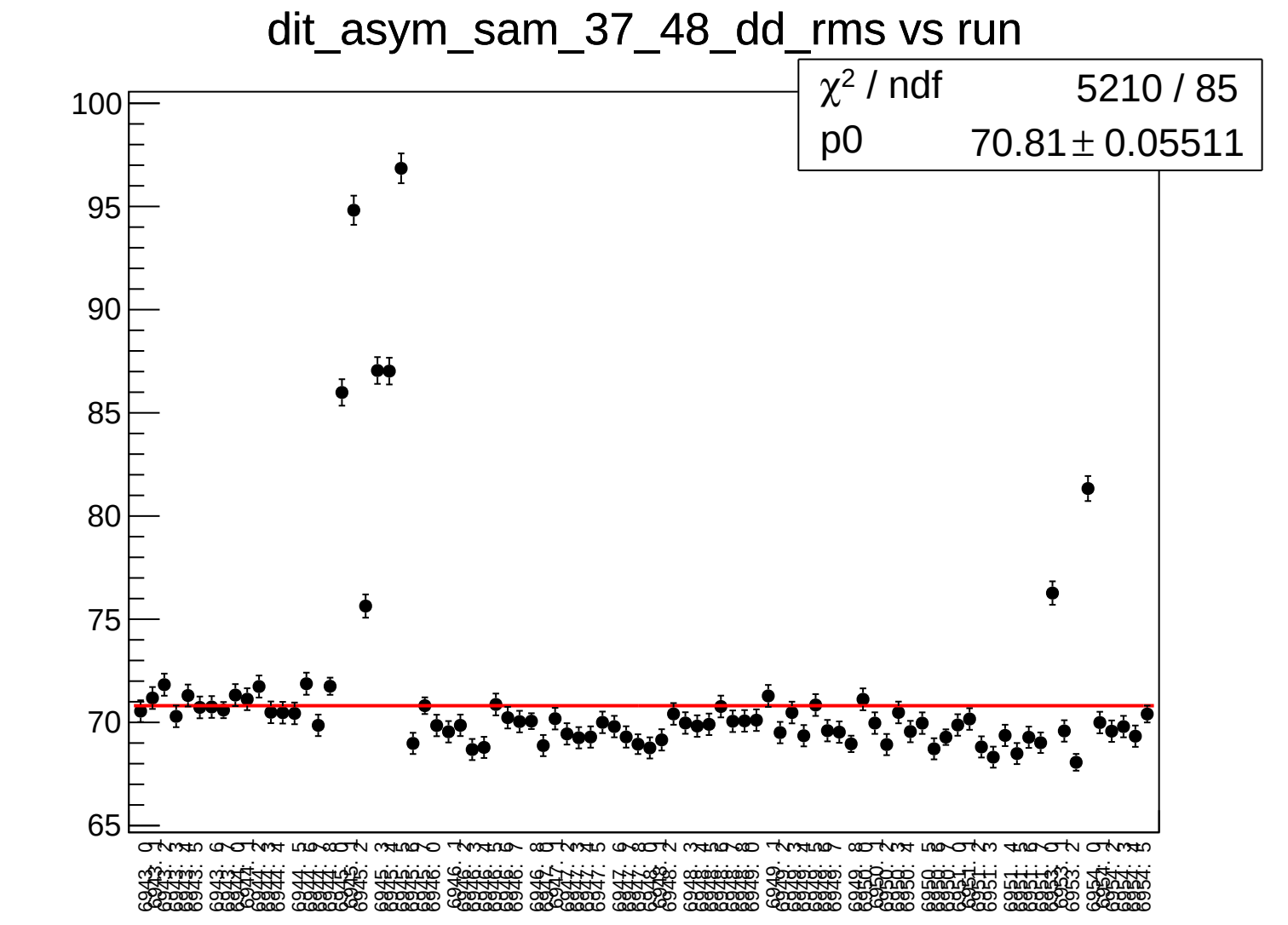

eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1980 / 85
p0 64.21 ± 0.04993
76
74
72
70
68
66
64
62

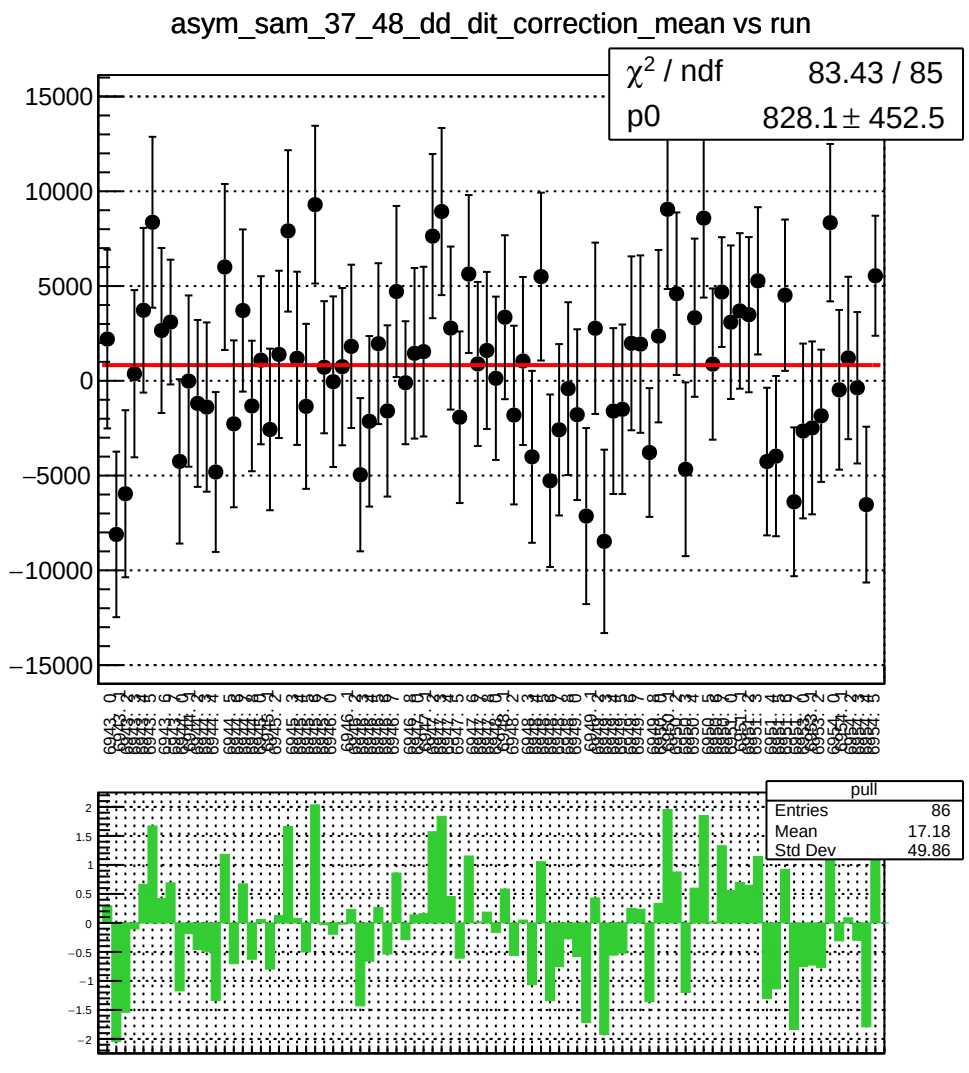

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.82 / 85
p0 802.2 ± 436.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.13
Std Dev 49.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.01672
Std Dev 0.993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

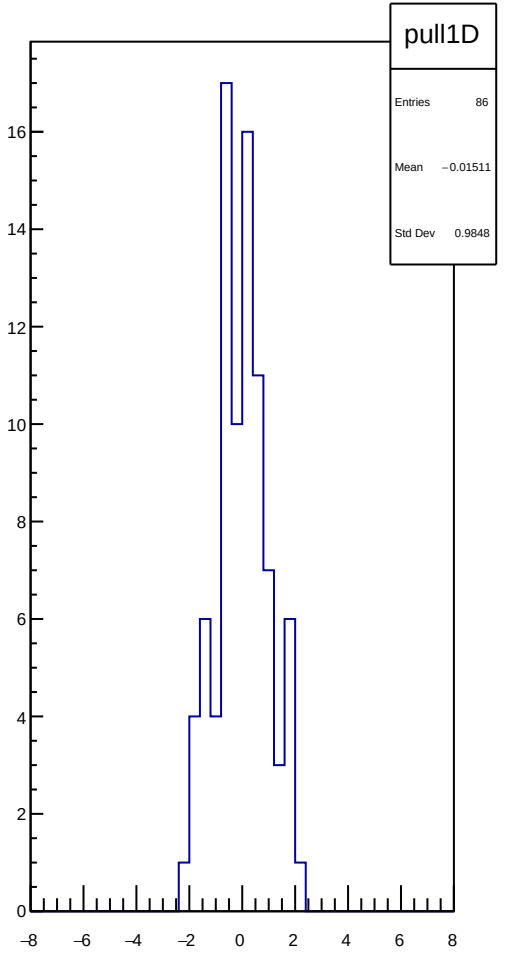

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4288 / 85
p0 396.7 ± 0.3086
460
440
420
400
380
360
340

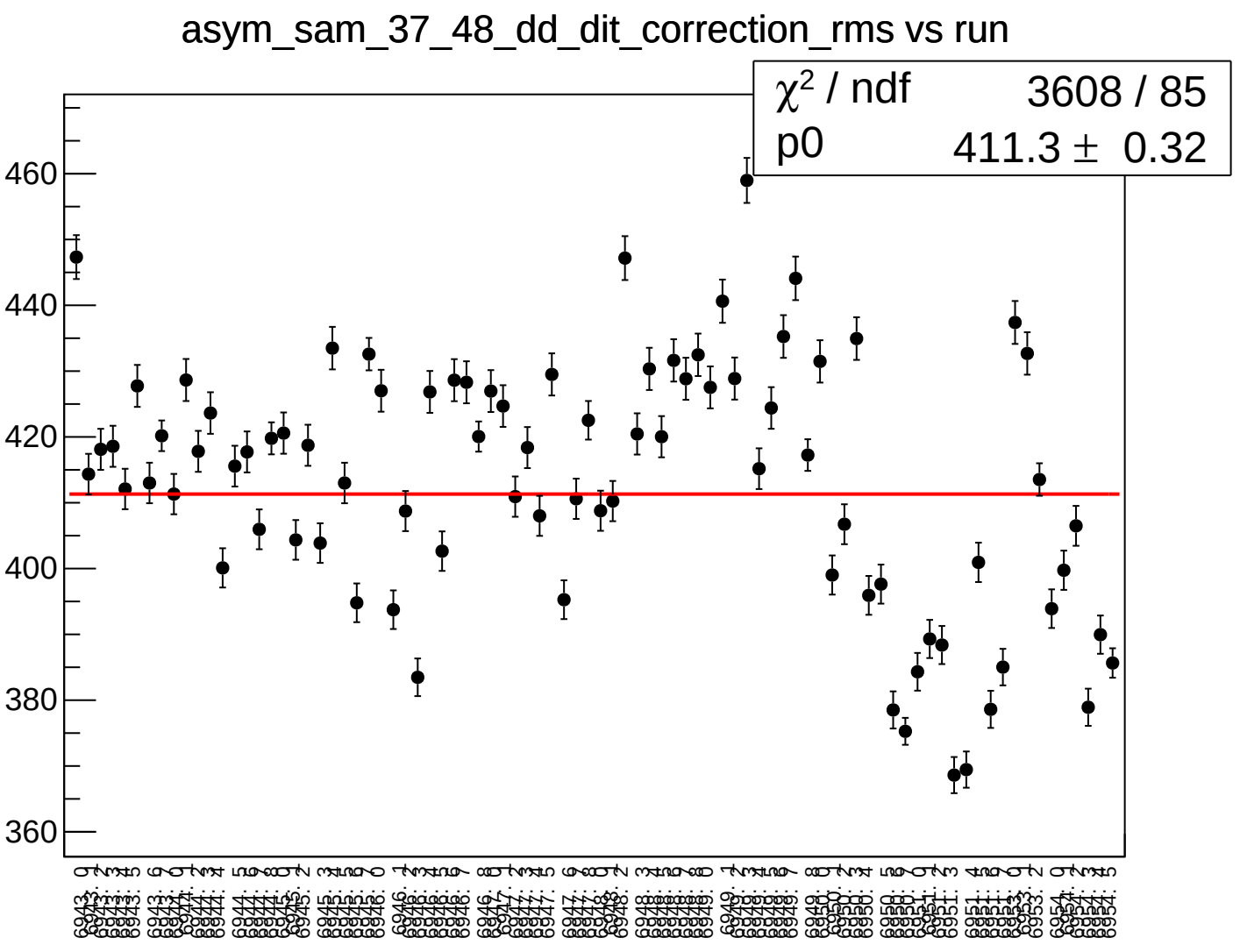

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 83.48 / 85
p0 −4.749 ± 77.94
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 7276
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

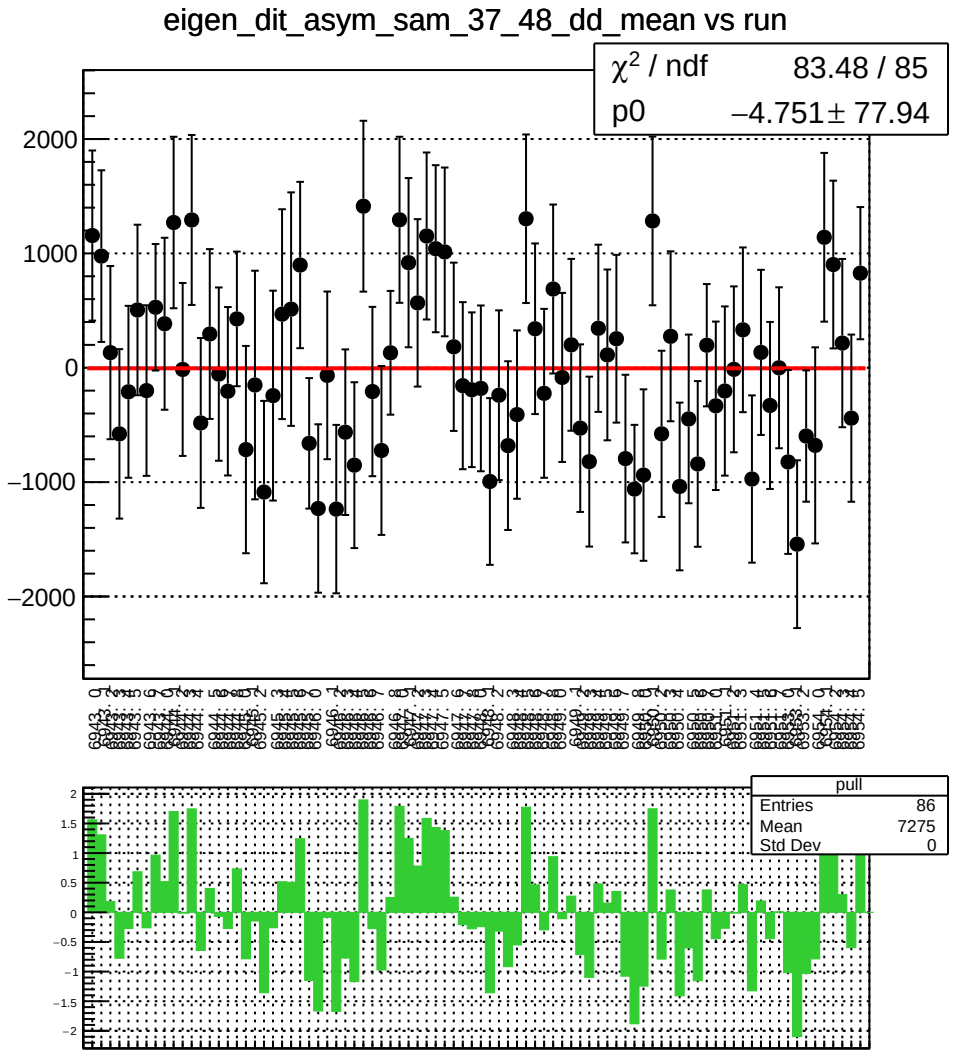

pull1D
Entries 86
Mean −0.0006322
Std Dev 0.9852
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

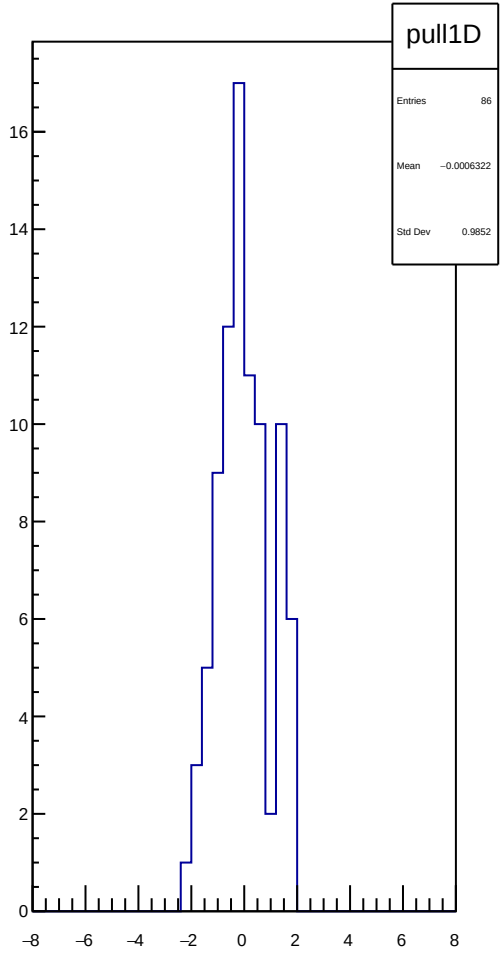

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5210 / 85
p0 70.81 ± 0.05511
100
95
90
85
80
75
70
65

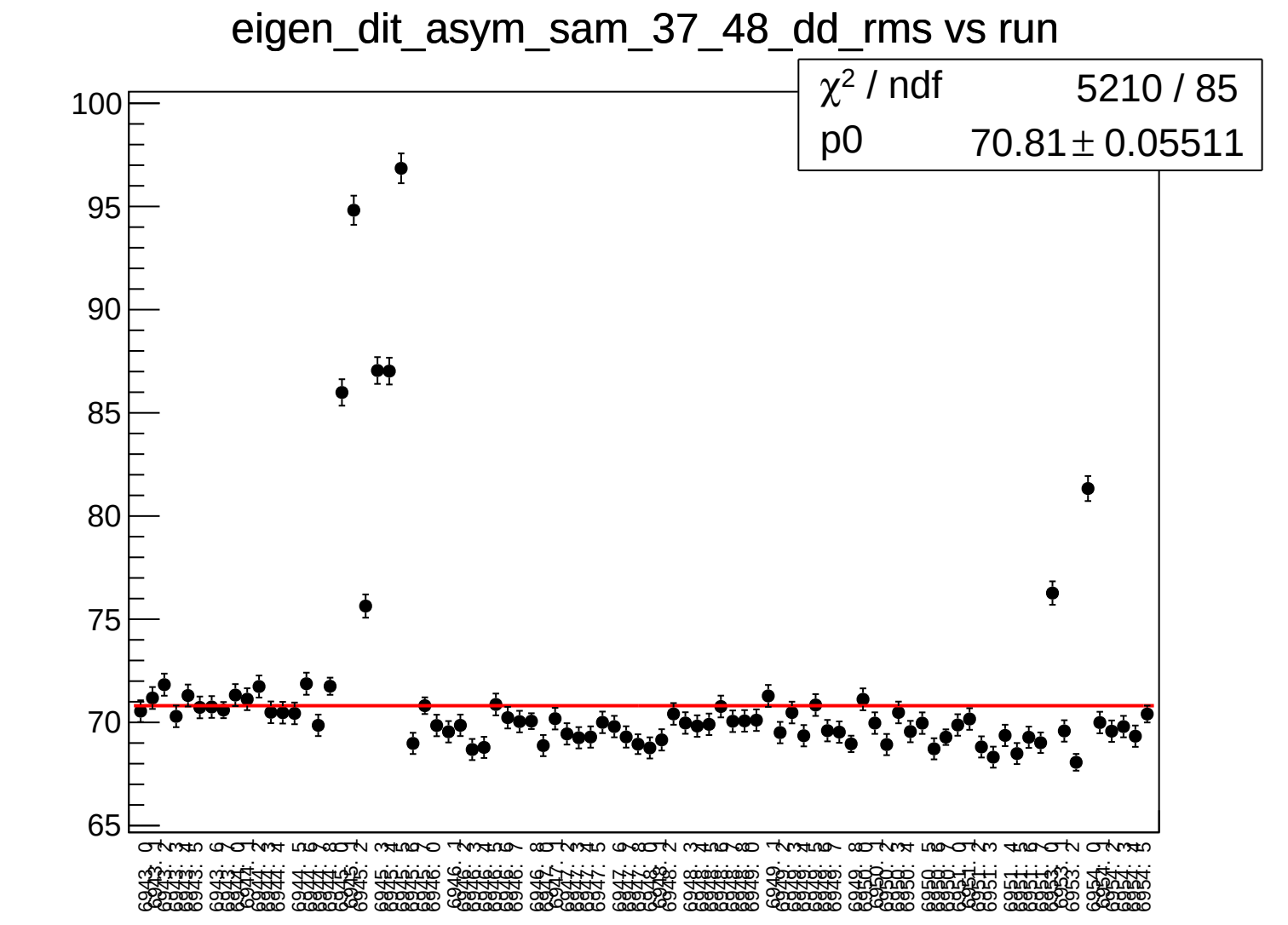

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 83.43 / 85
p0 828.1 ± 452.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.18
Std Dev 49.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

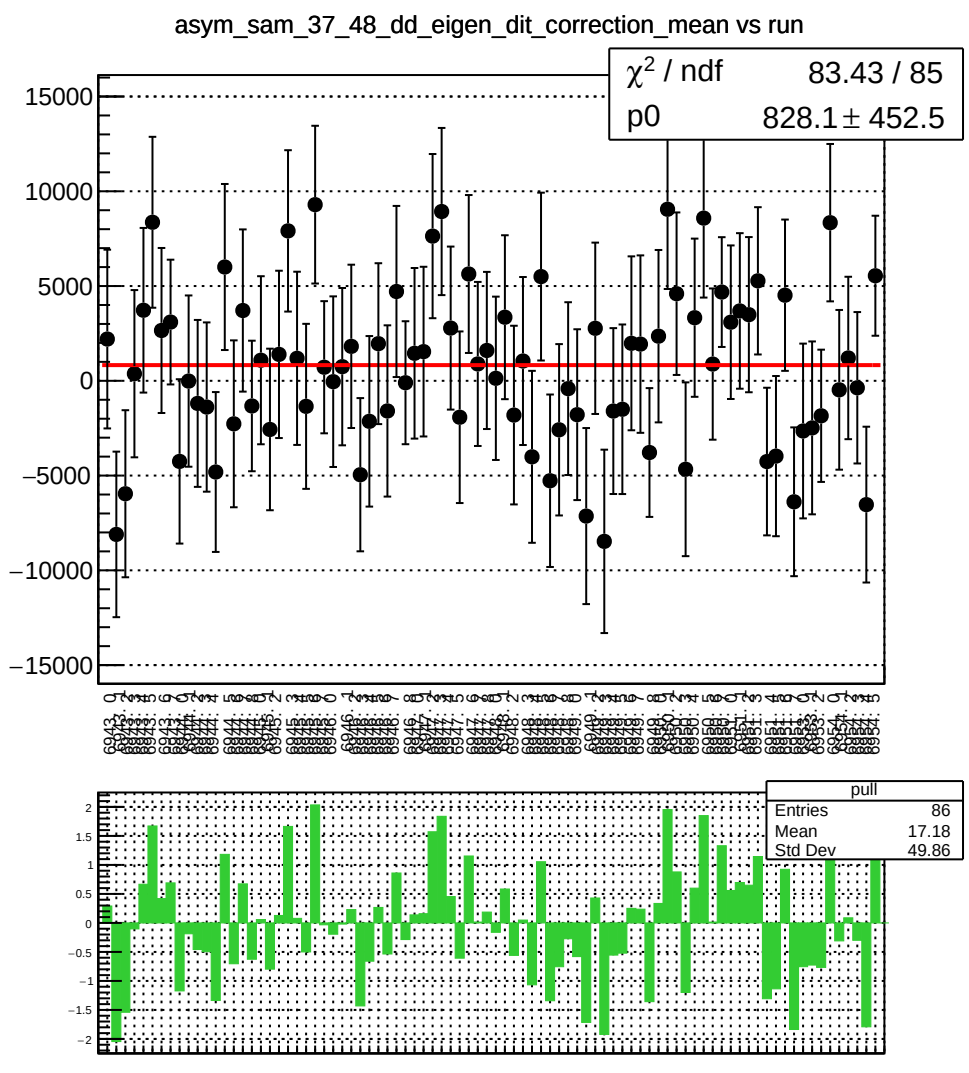

pull1D
Entries 86
Mean −0.01511
Std Dev 0.9848
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

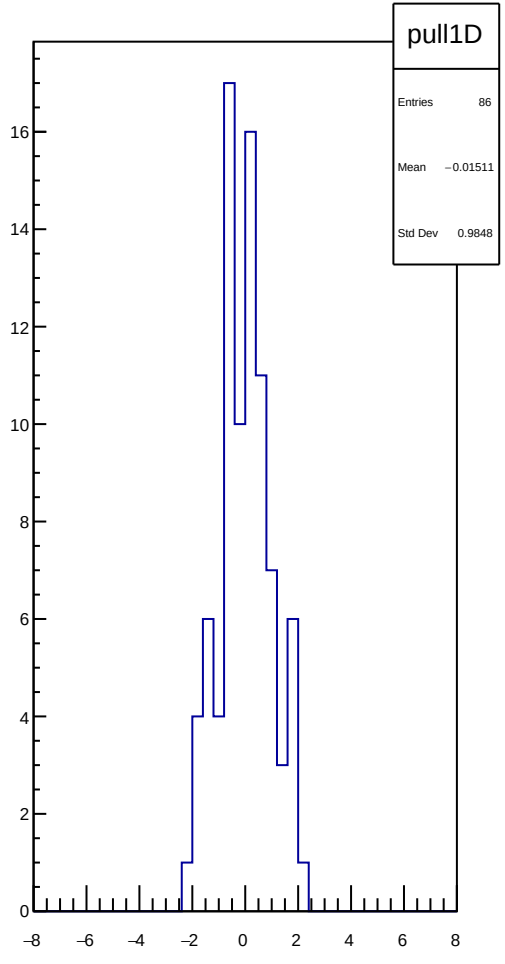

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 3608 / 85
p0 411.3 ± 0.32
460
440
420
400
380
360

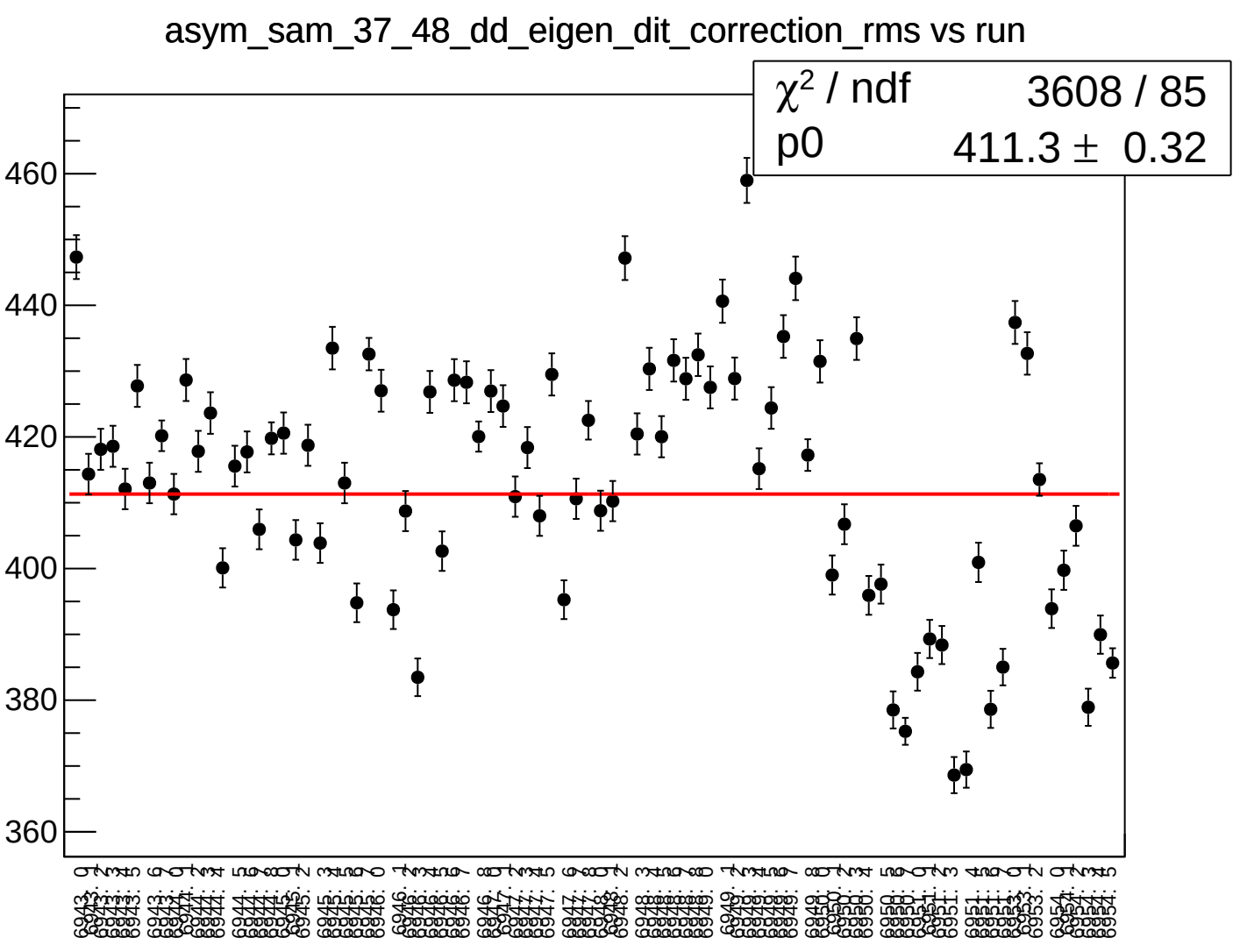

eigen_dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 83.48 / 85
p0 −4.751 ± 77.94
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 7275
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

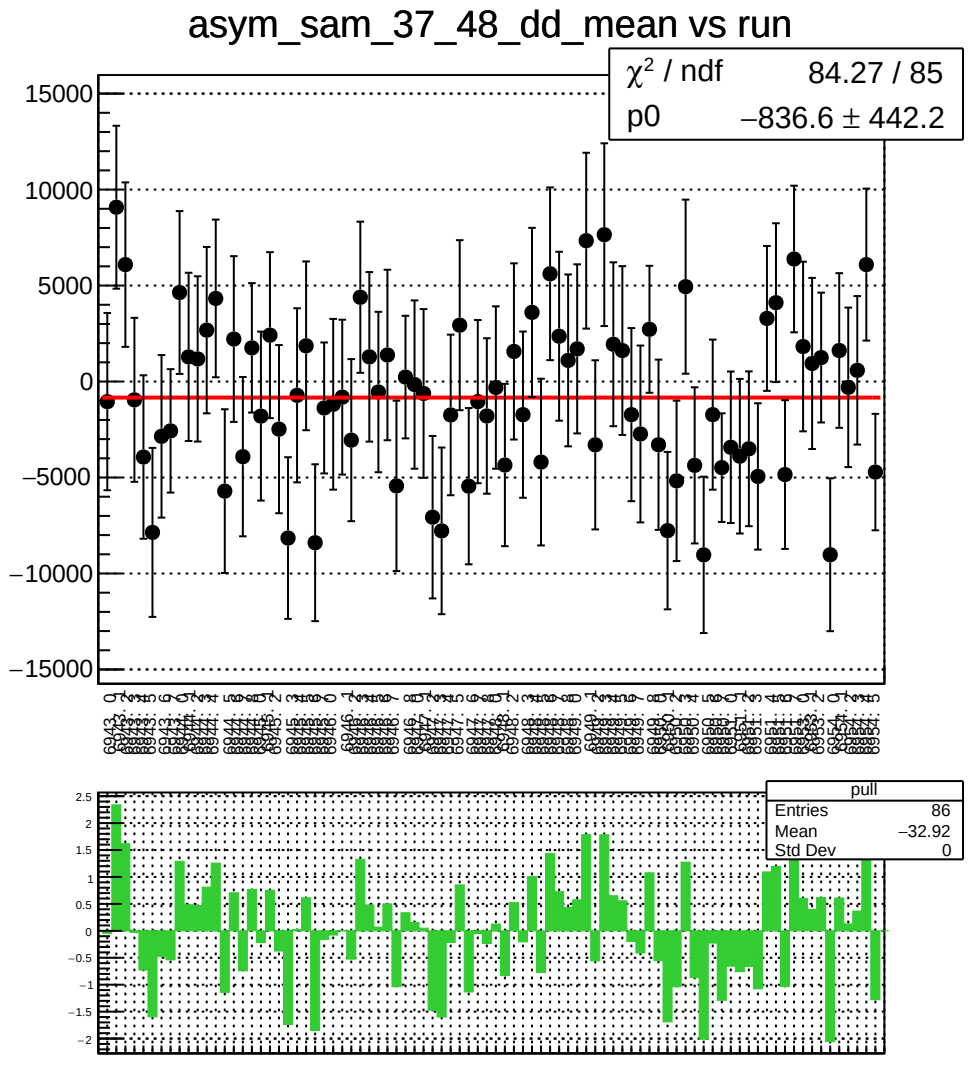

pull1D
Entries 86
Mean −0.0006322
Std Dev 0.9852
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

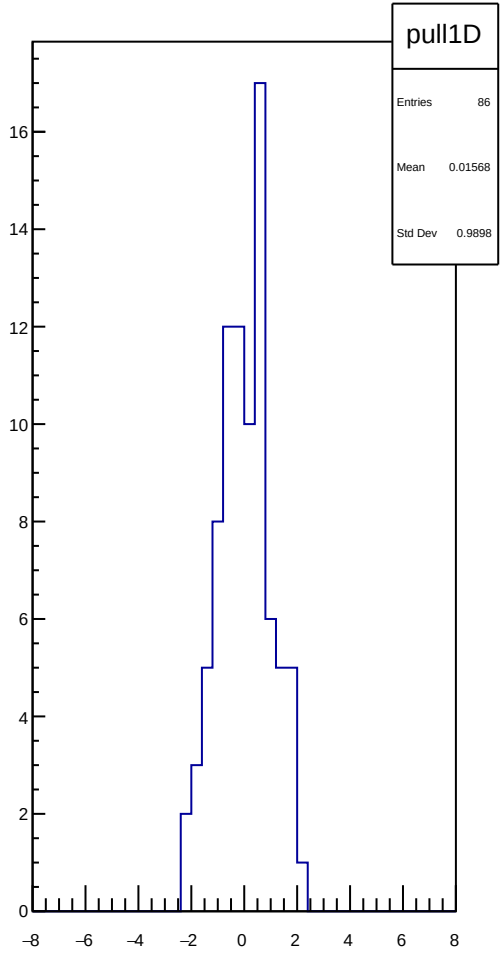

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5210 / 85
p0 70.81 ± 0.05511
100
95
90
85
80
75
70
65

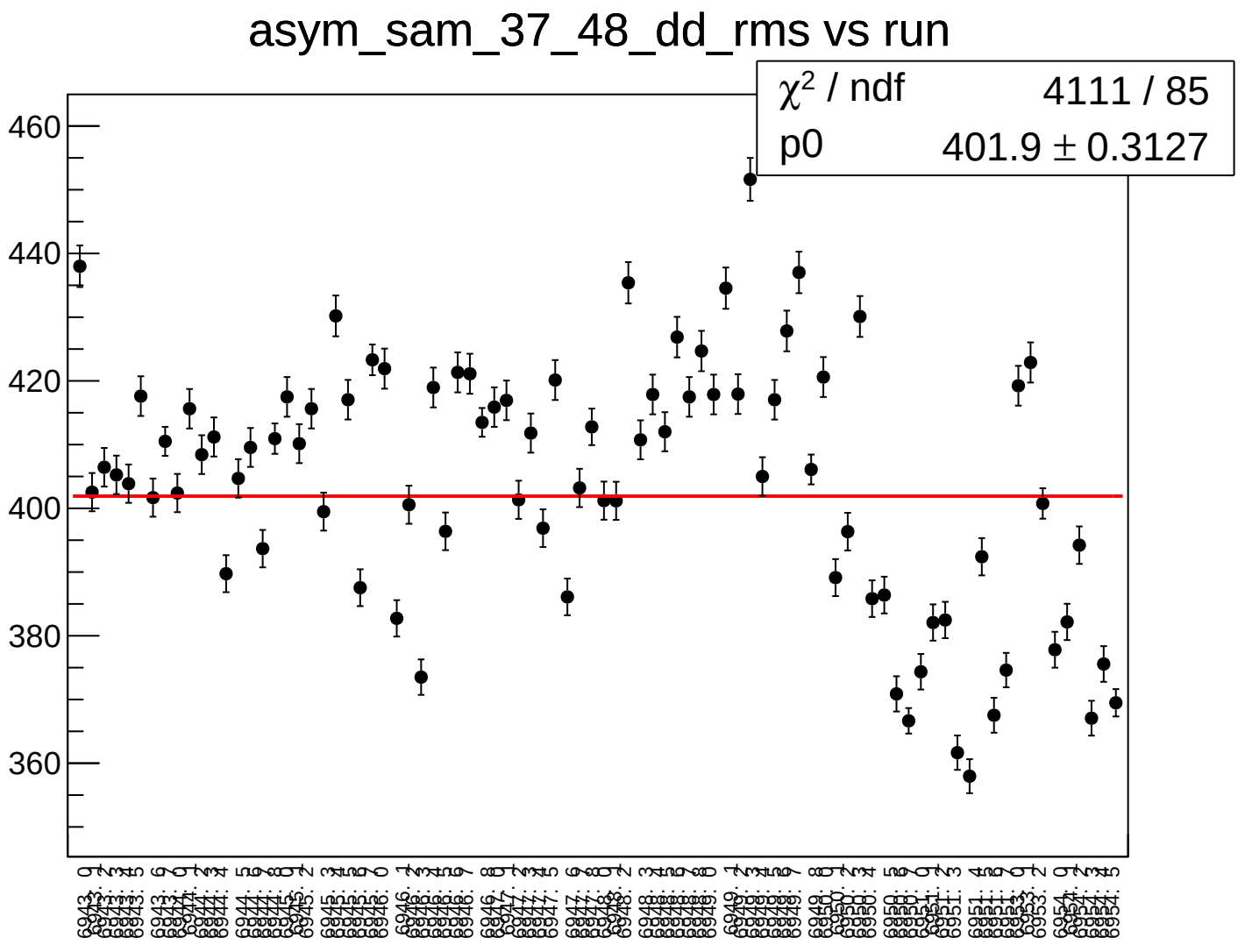

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.43 / 85
p0 828.1 ± 452.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 17.18
Std Dev 49.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

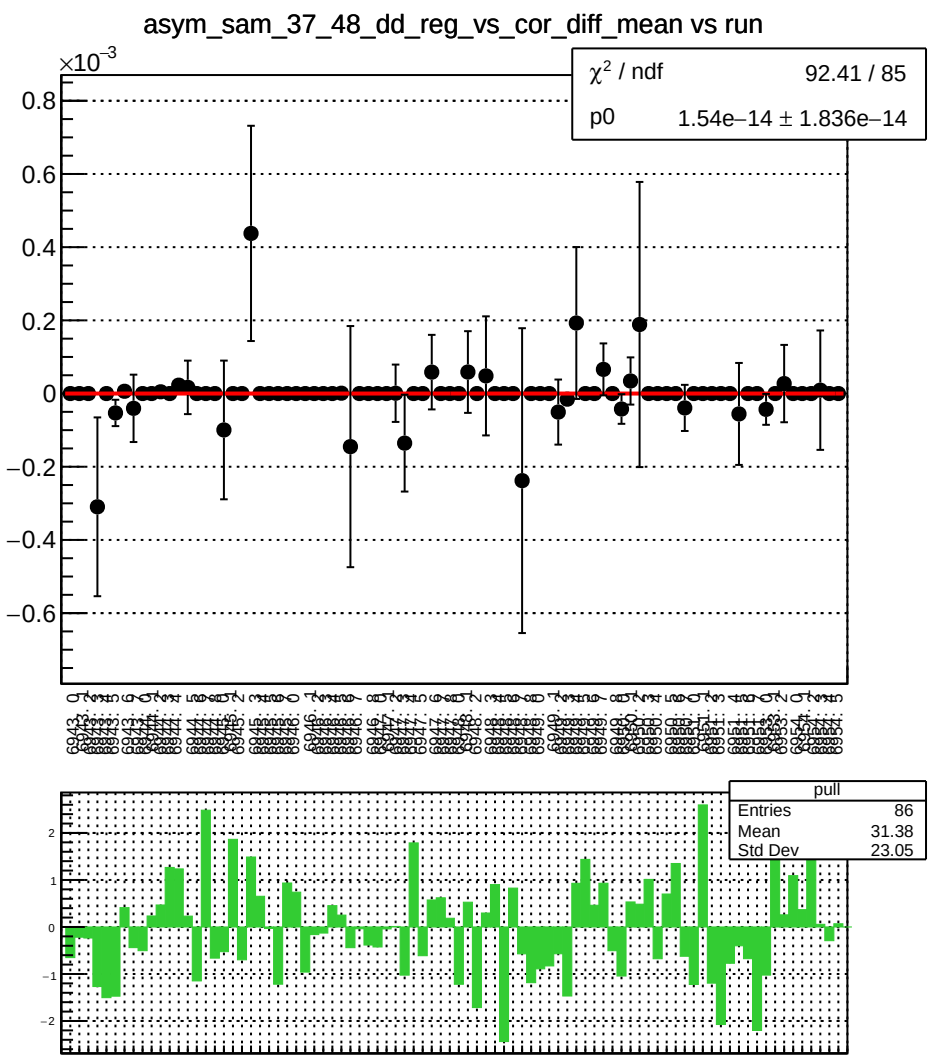

pull1D
Entries 86
Mean −0.01511
Std Dev 0.9848
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

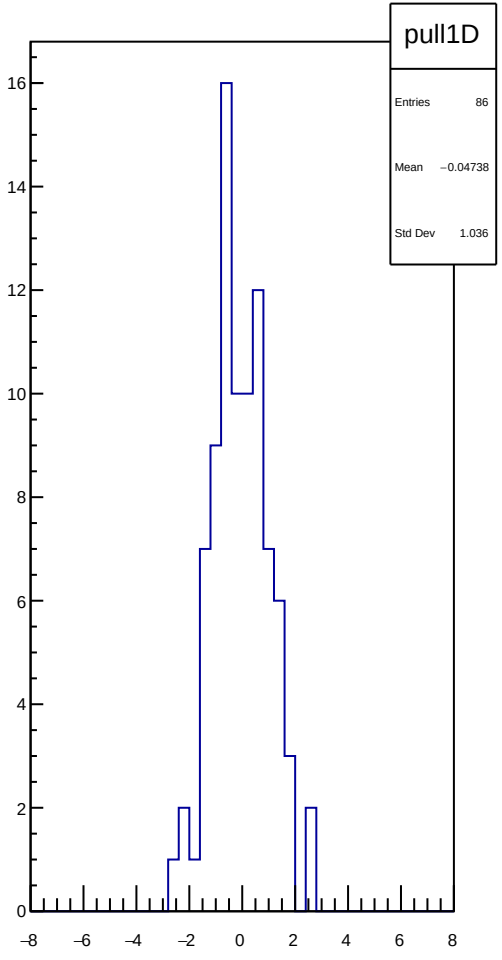

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3608 / 85
p0 411.3 ± 0.32
460
440
420
400
380
360

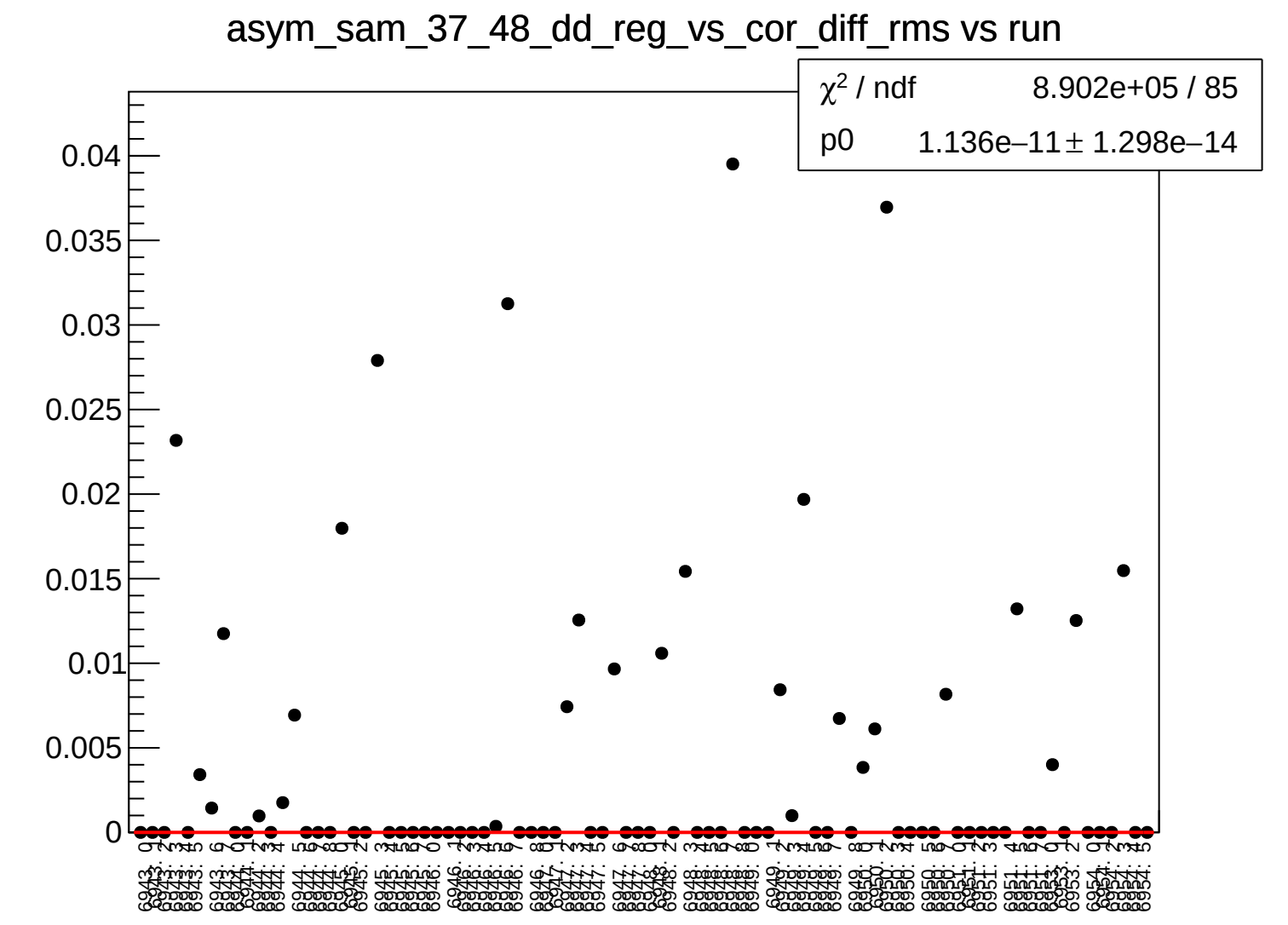

asym_sam_37_48_dd_mean vs run
χ² / ndf 84.27 / 85
p0 −836.6 ± 442.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −32.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

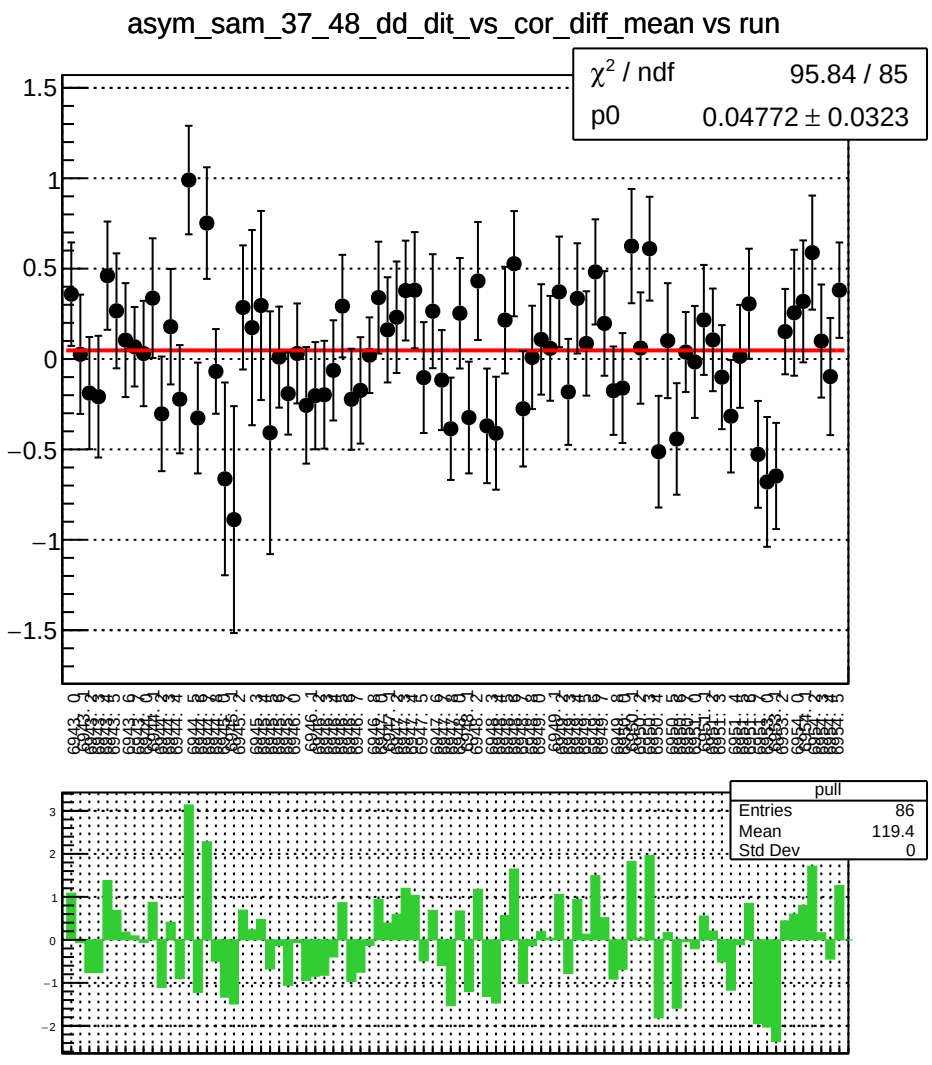

pull1D
Entries 86
Mean 0.01568
Std Dev 0.9898
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

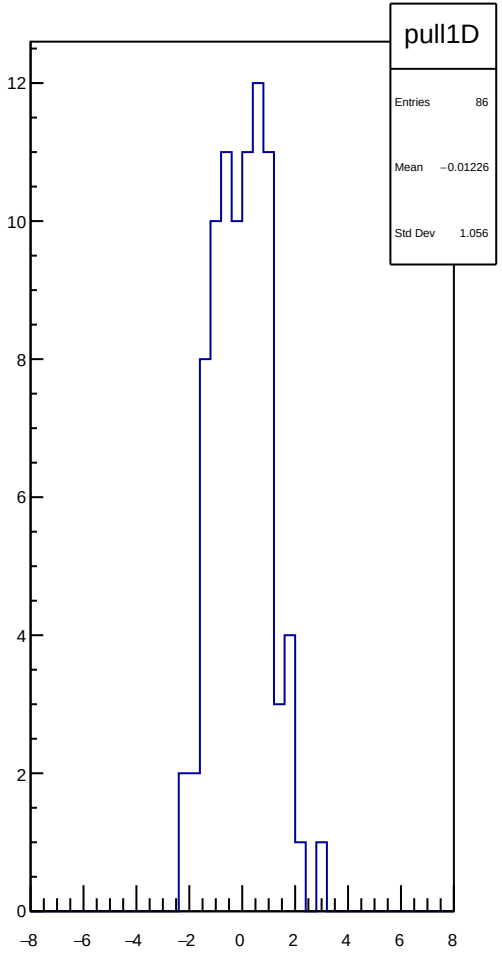

asym_sam_37_48_dd_rms vs run
χ² / ndf 4111 / 85
p0 401.9 ± 0.3127
460
440
420
400
380
360

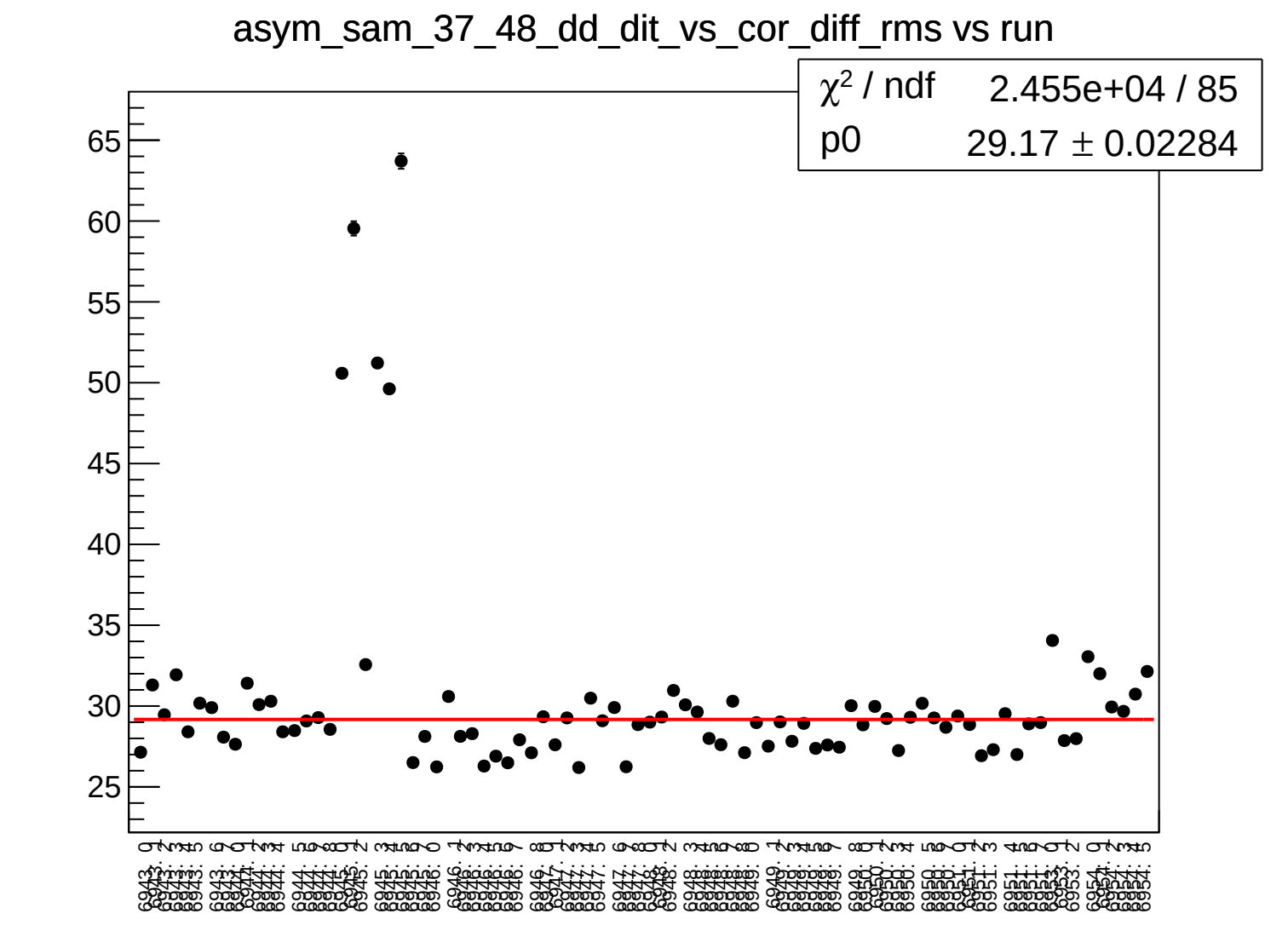

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 92.41 / 85
p0 1.54e−14 ± 1.836e−14
pull
Entries 86
Mean 31.38
Std Dev 23.05

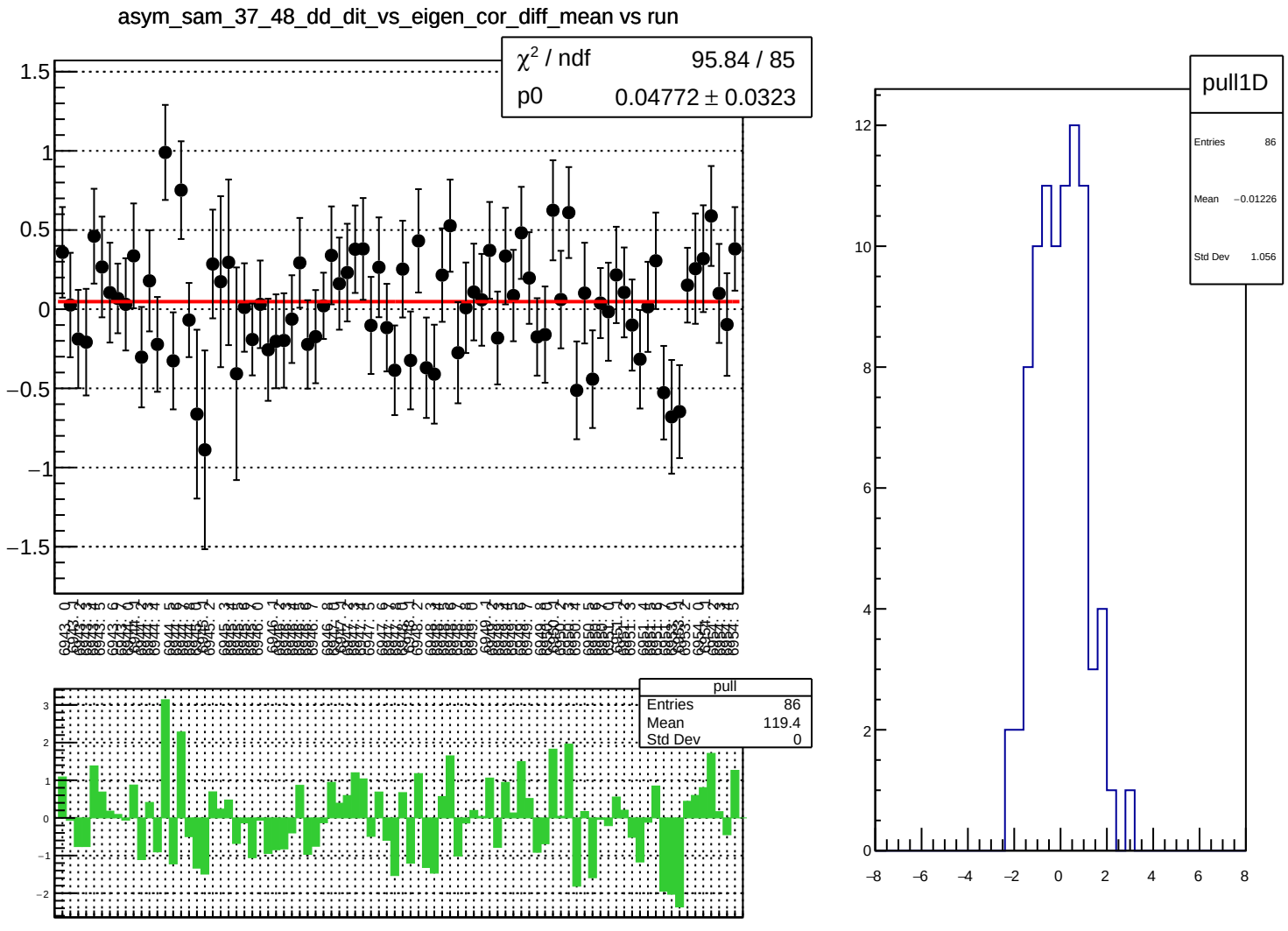

pull1D
Entries 86
Mean −0.04738
Std Dev 1.036

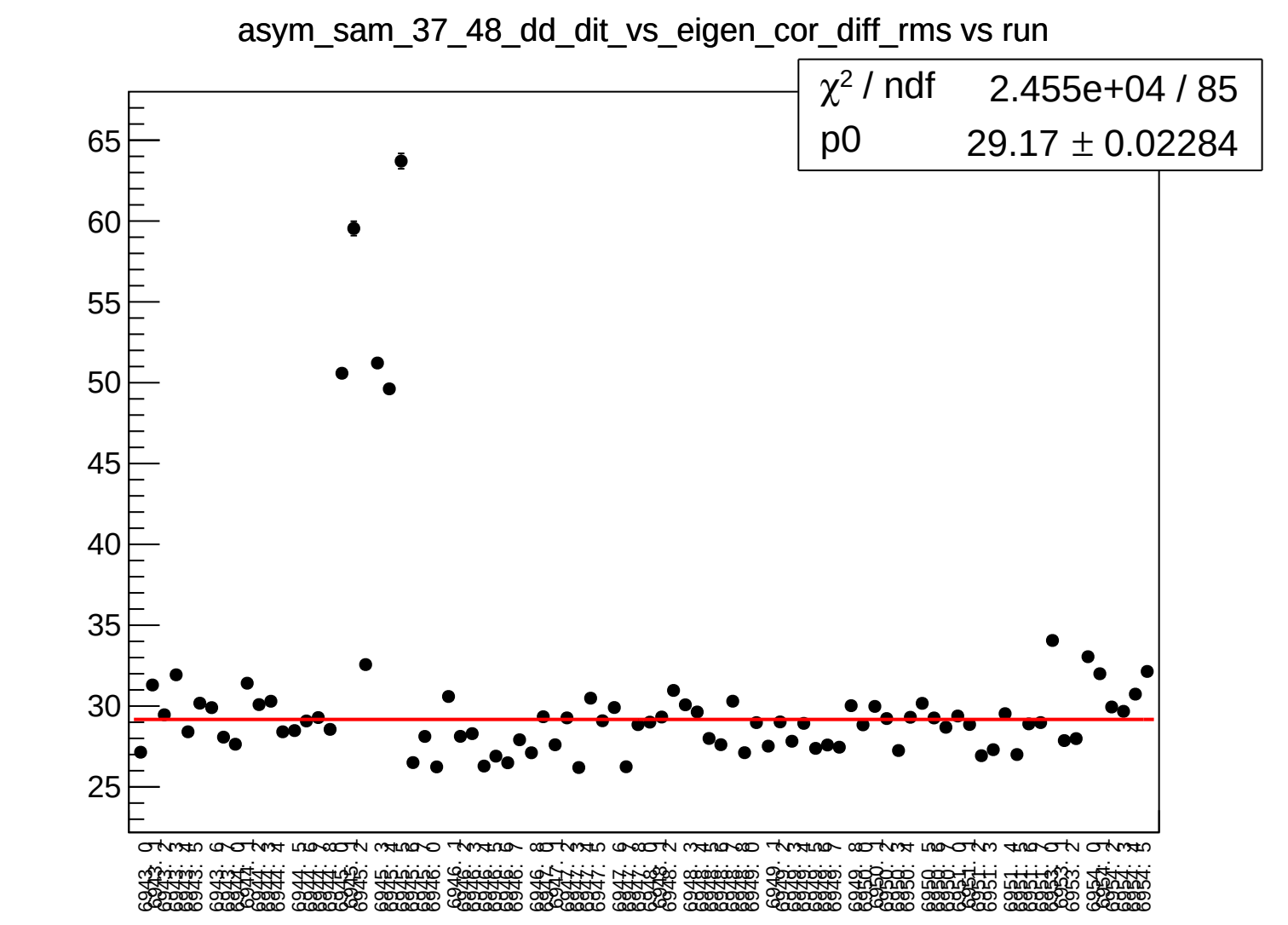

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.902e+05 / 85
p0 1.136e−11 ± 1.298e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

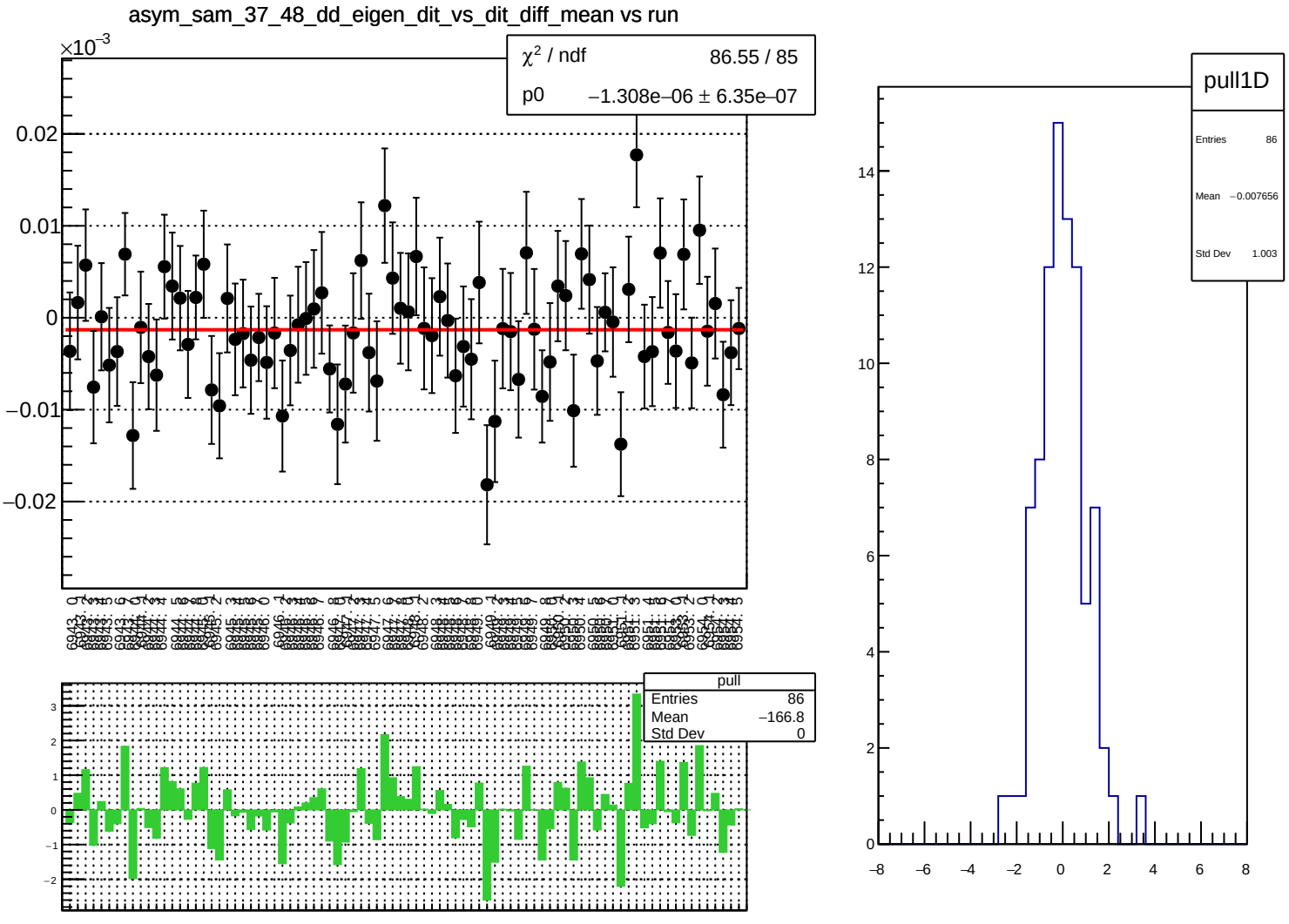

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 85
p0 0.04772 ± 0.0323
pull
Entries 86
Mean 119.4
Std Dev 0

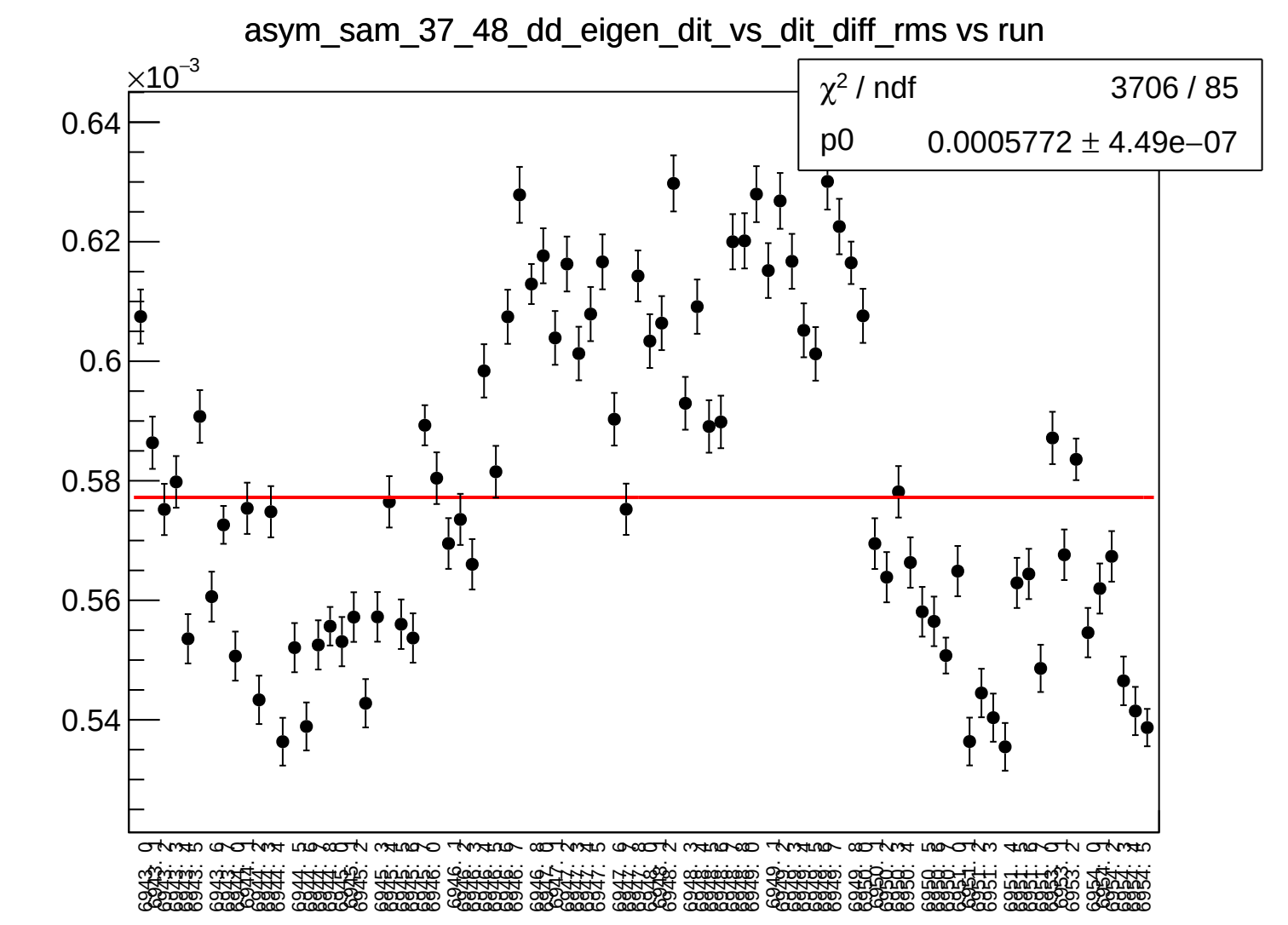

pull1D
Entries 86
Mean −0.01226
Std Dev 1.056

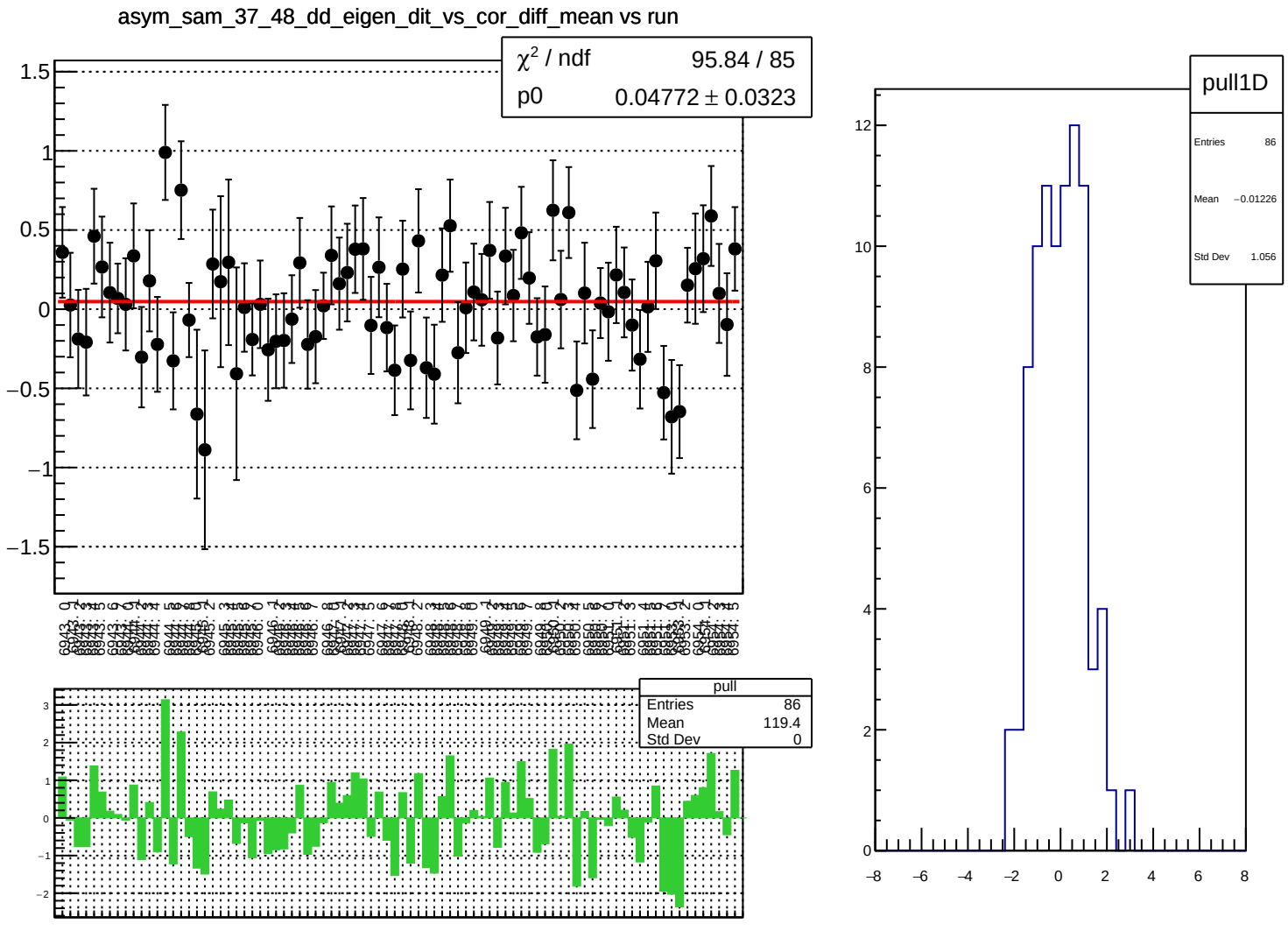

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.455e+04 / 85
p0 29.17 ± 0.02284
65
60
55
50
45
40
35
30
25

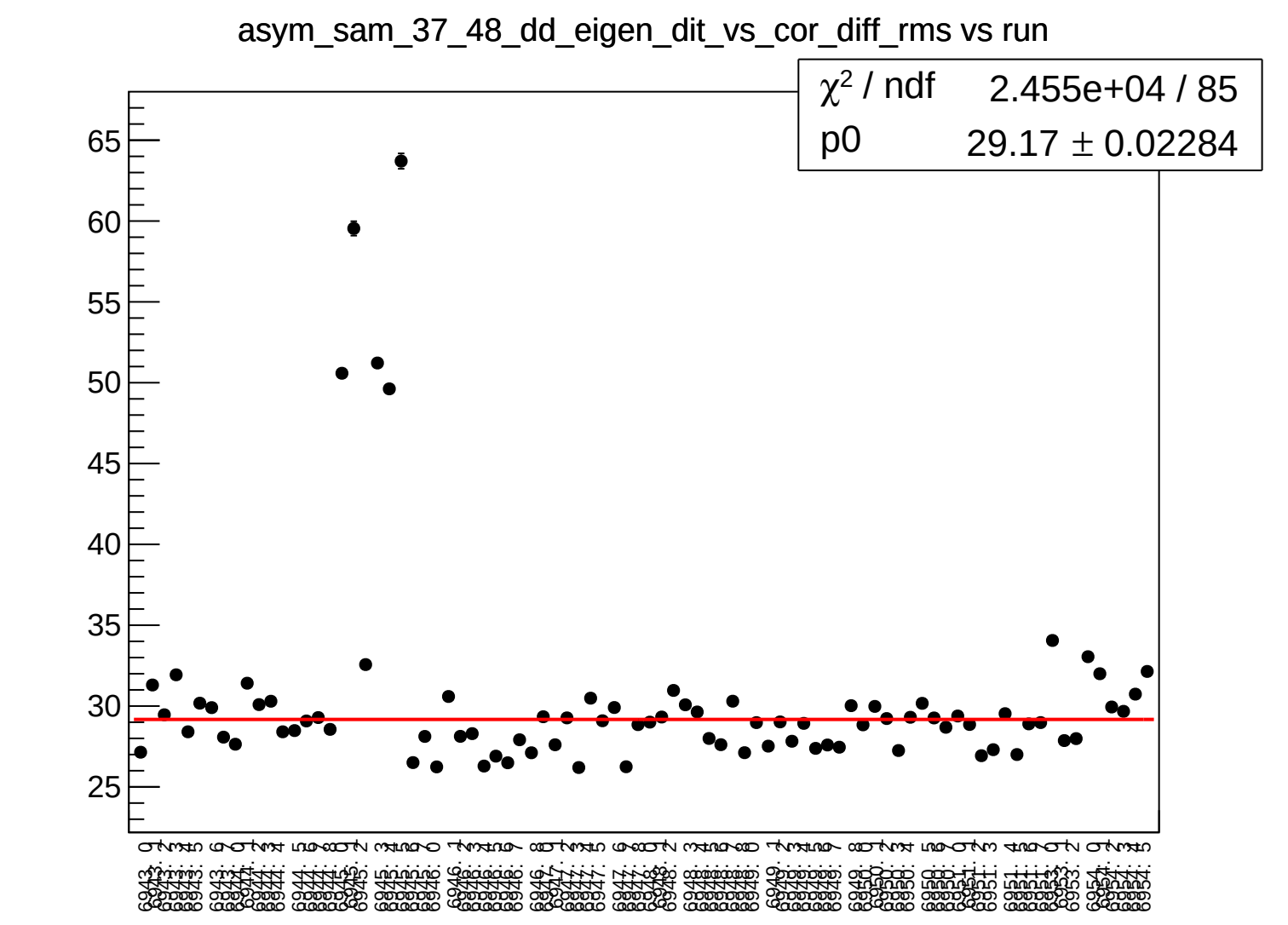

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 85
p0 0.04772 ± 0.0323
pull
Entries 86
Mean 119.4
Std Dev 0
pull1D
Entries 86
Mean −0.01226
Std Dev 1.056

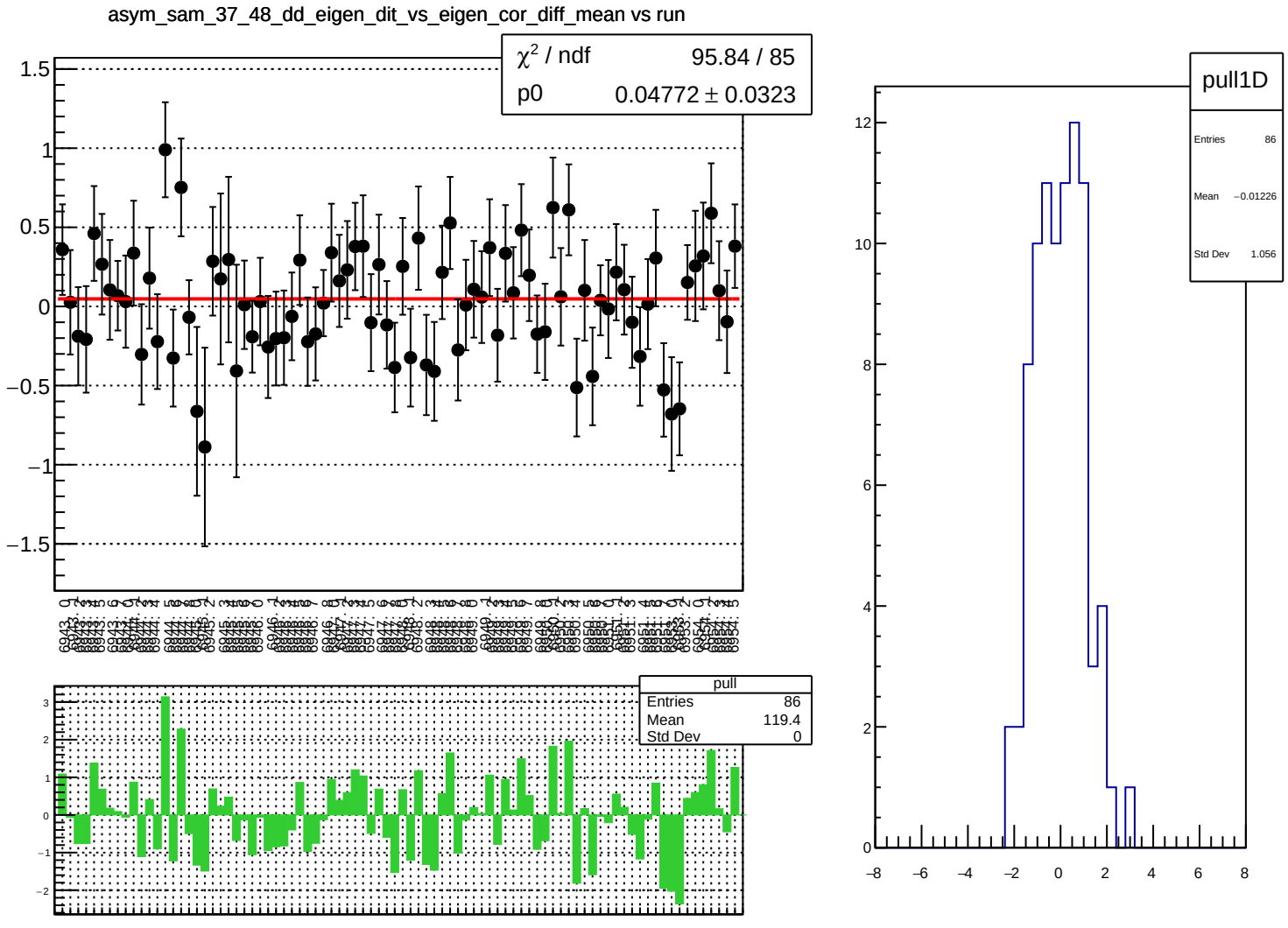

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.455e+04 / 85
p0 29.17 ± 0.02284
65
60
55
50
45
40
35
30
25

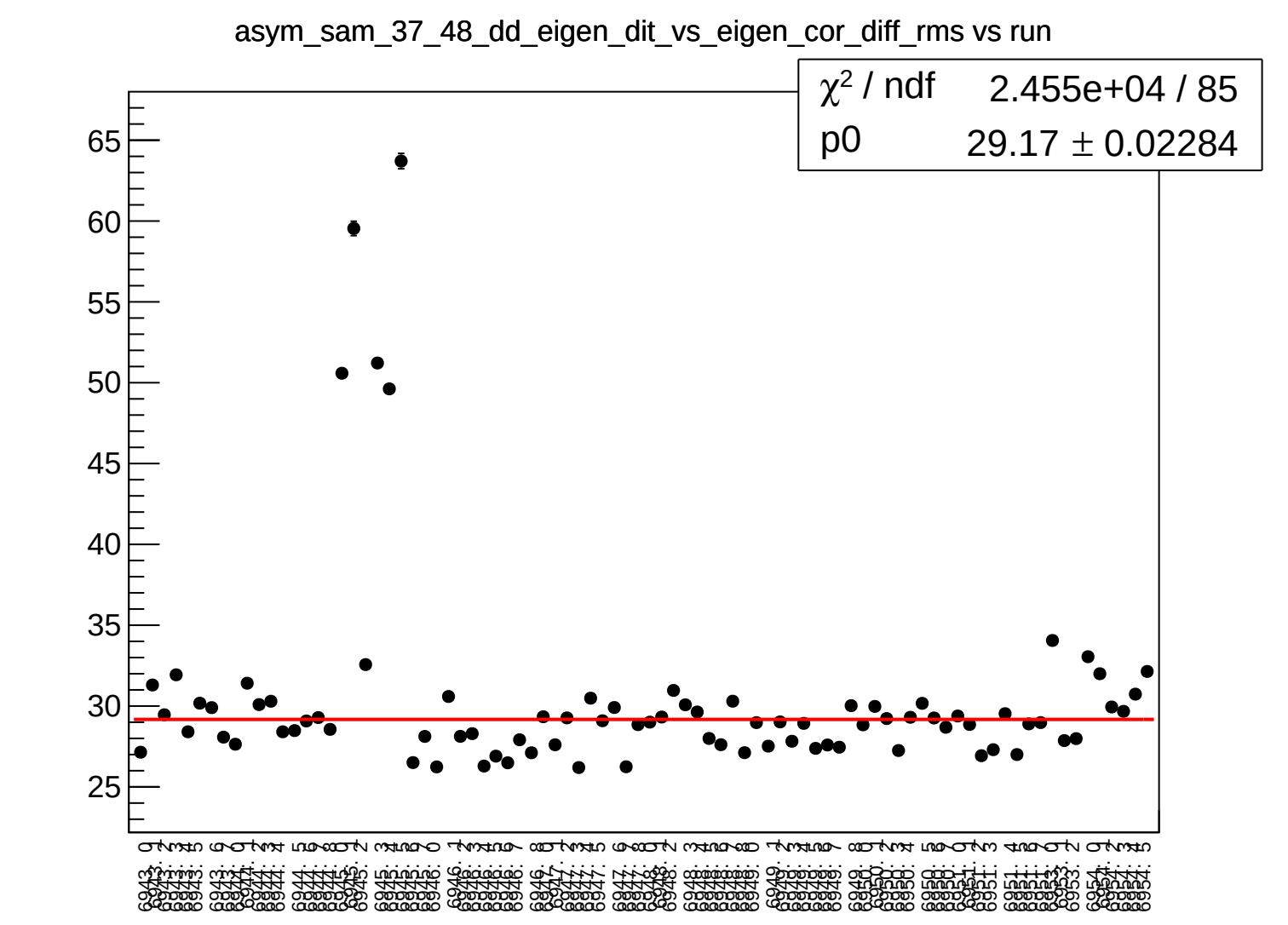

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.55 / 85
p0 −1.308e−06 ± 6.35e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 86
Mean −166.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.007656
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

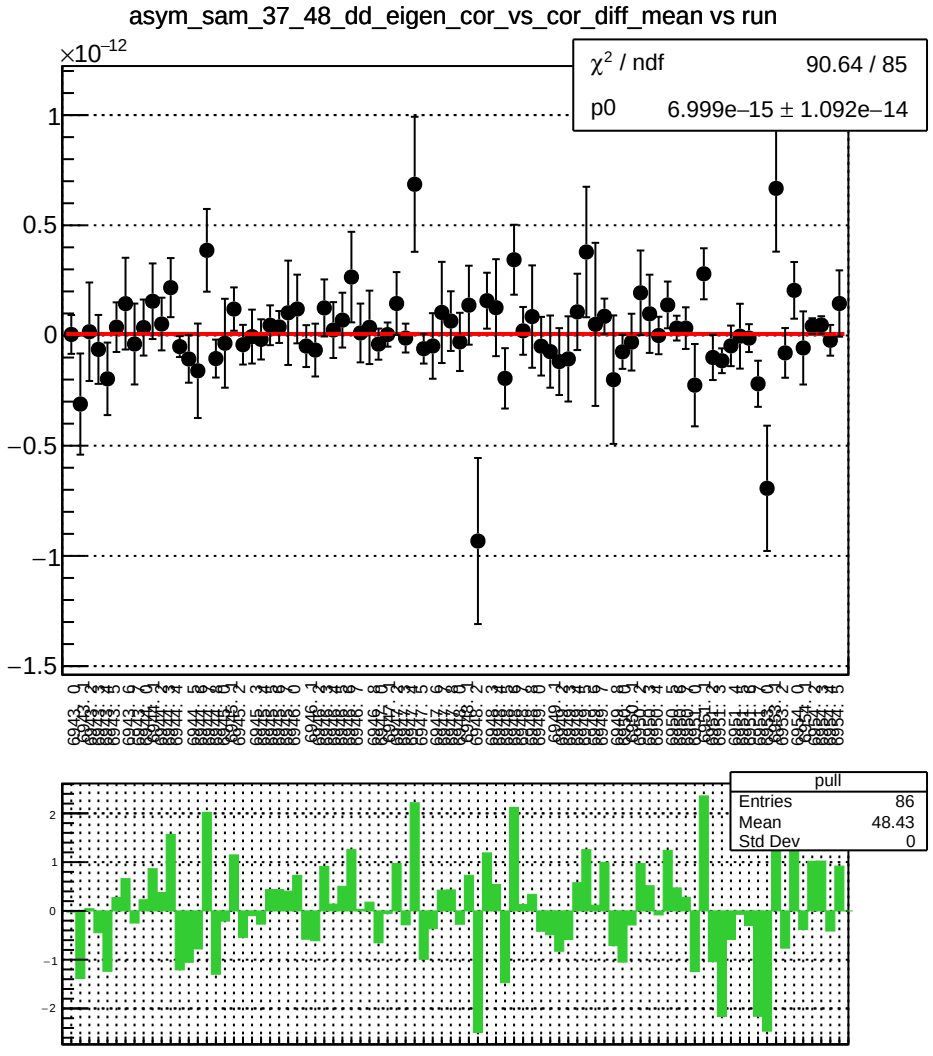

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3706 / 85
p0 0.0005772 ± 4.49e−07
0.64
0.62
0.6
0.58
0.56
0.54

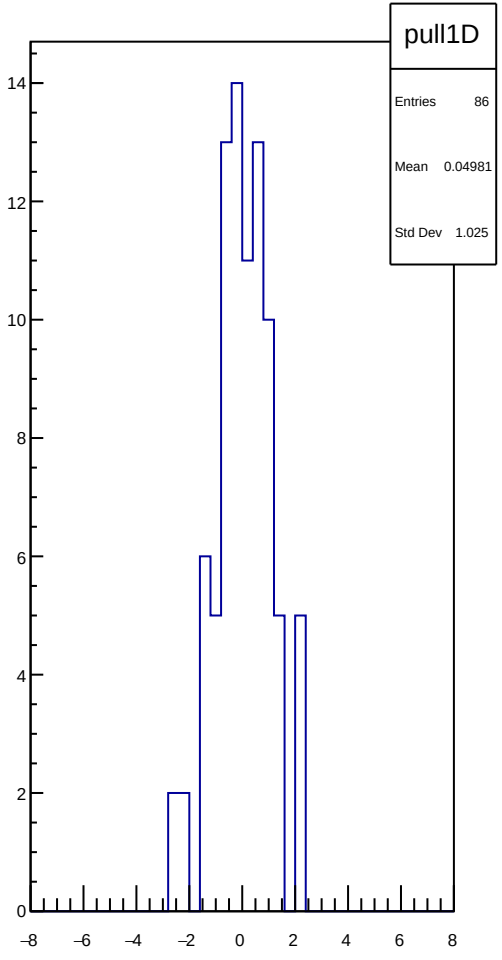

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 85
p0 0.04772 ± 0.0323
pull
Entries 86
Mean 119.4
Std Dev 0
pull1D
Entries 86
Mean −0.01226
Std Dev 1.056

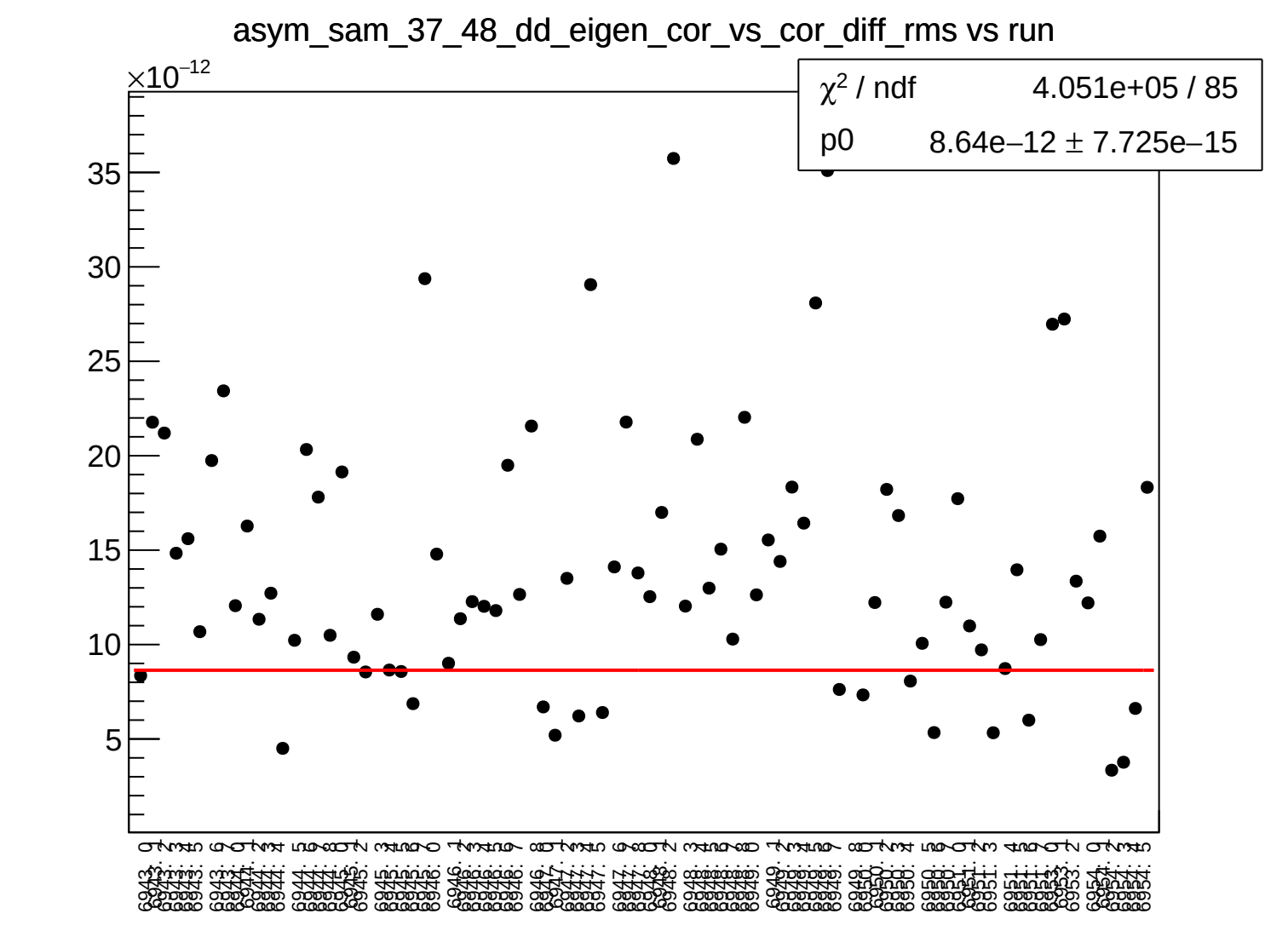

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.455e+04 / 85
p0 29.17 ± 0.02284
65
60
55
50
45
40
35
30
25

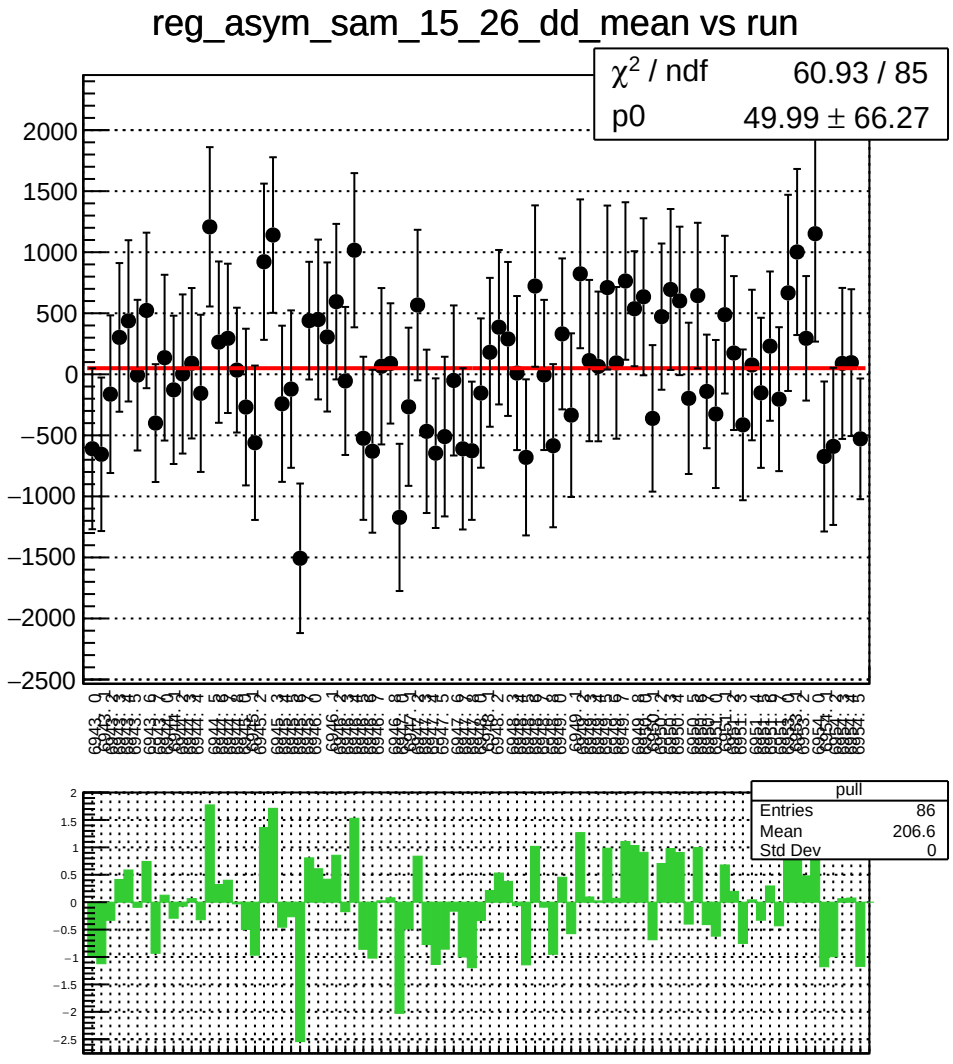

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 85
p0 0.04772 ± 0.0323
pull
Entries 86
Mean 119.4
Std Dev 0
pull1D
Entries 86
Mean −0.01226
Std Dev 1.056

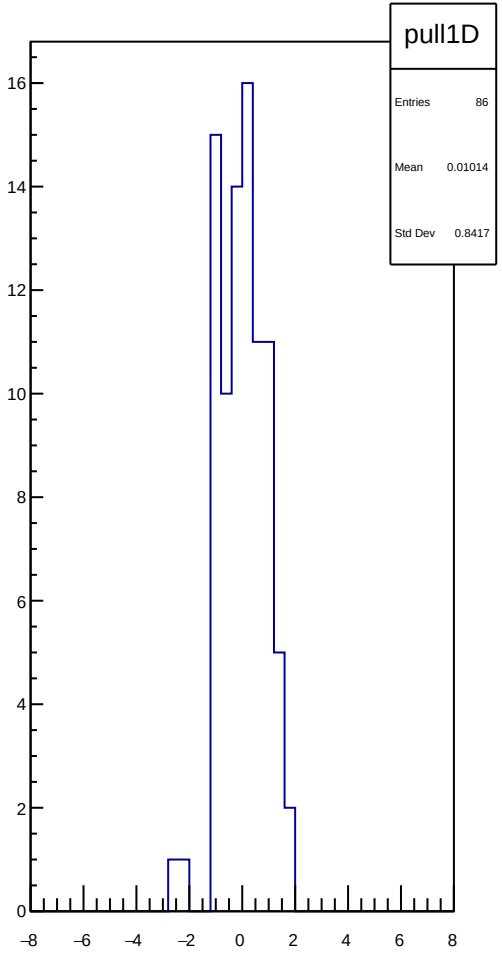

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.455e+04 / 85
p0 29.17 ± 0.02284
65
60
55
50
45
40
35
30
25

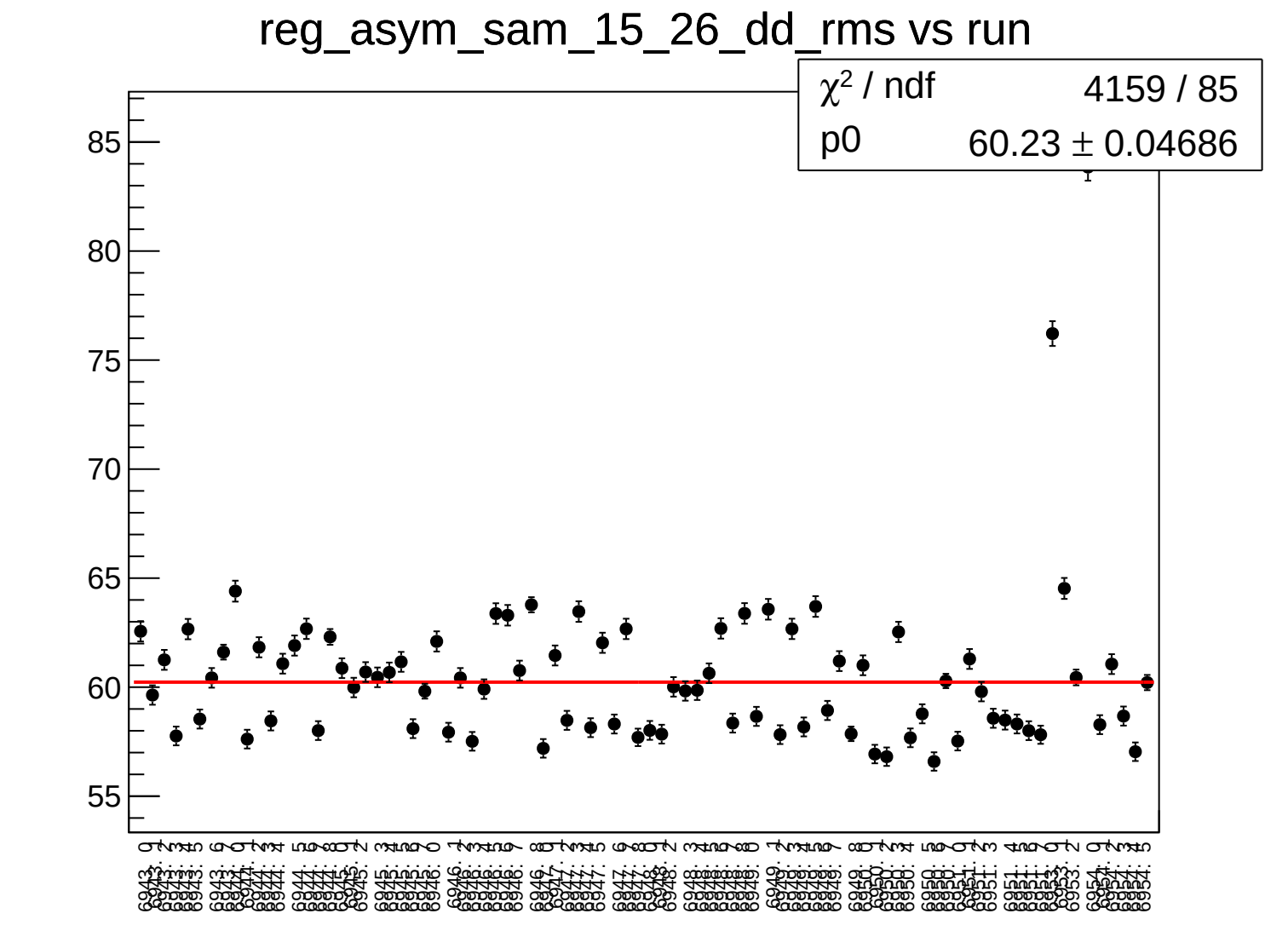

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.64 / 85
p0 6.999e−15 ± 1.092e−14
pull
Entries 86
Mean 48.43
Std Dev 0

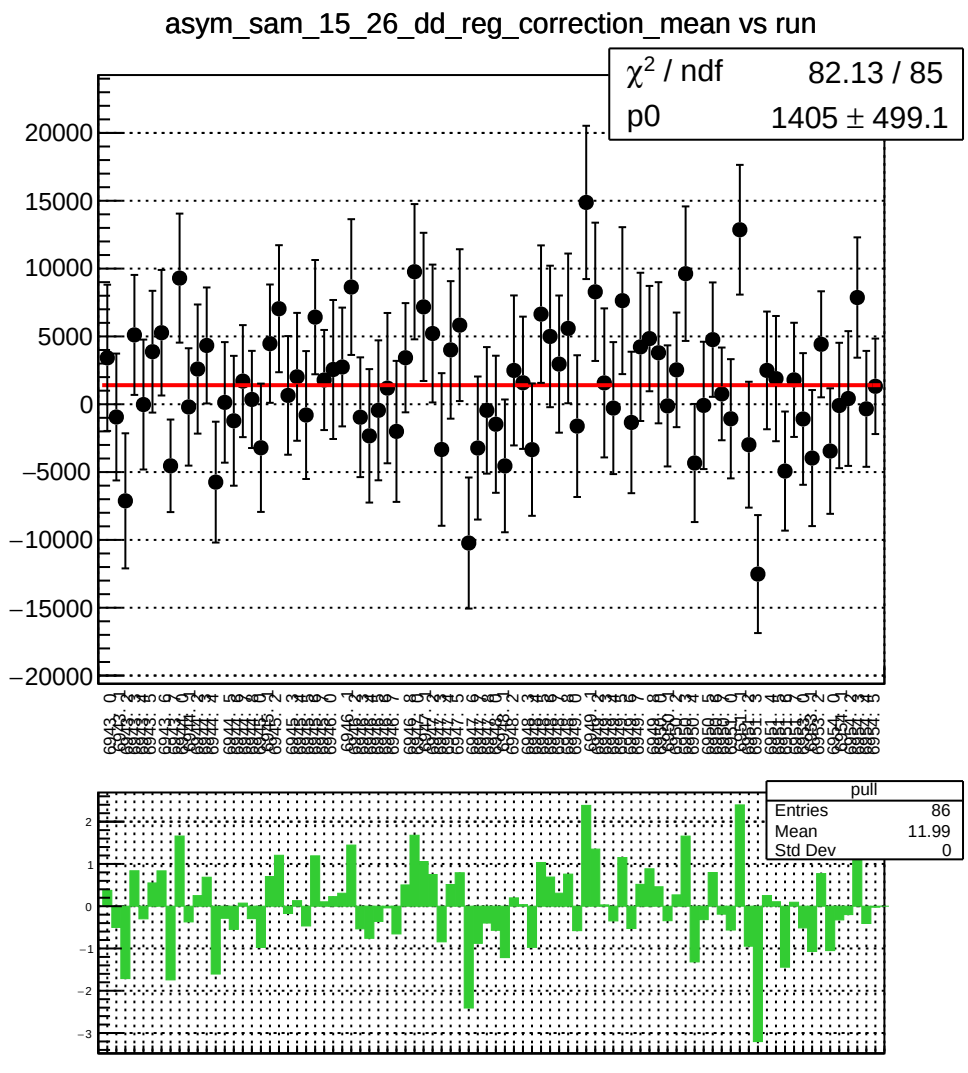

pull1D
Entries 86
Mean 0.04981
Std Dev 1.025

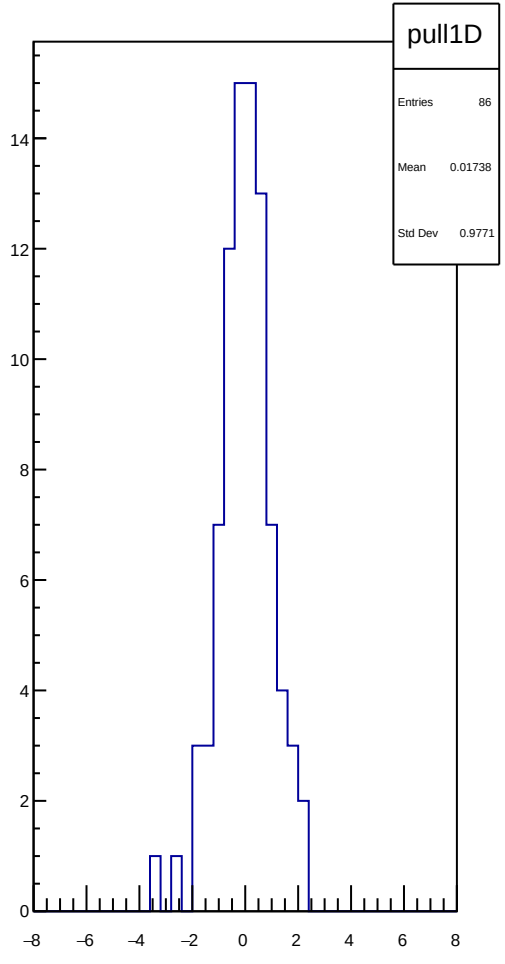

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.051e+05 / 85
p0 8.64e−12 ± 7.725e−15
35
30
25
20
15
10
5

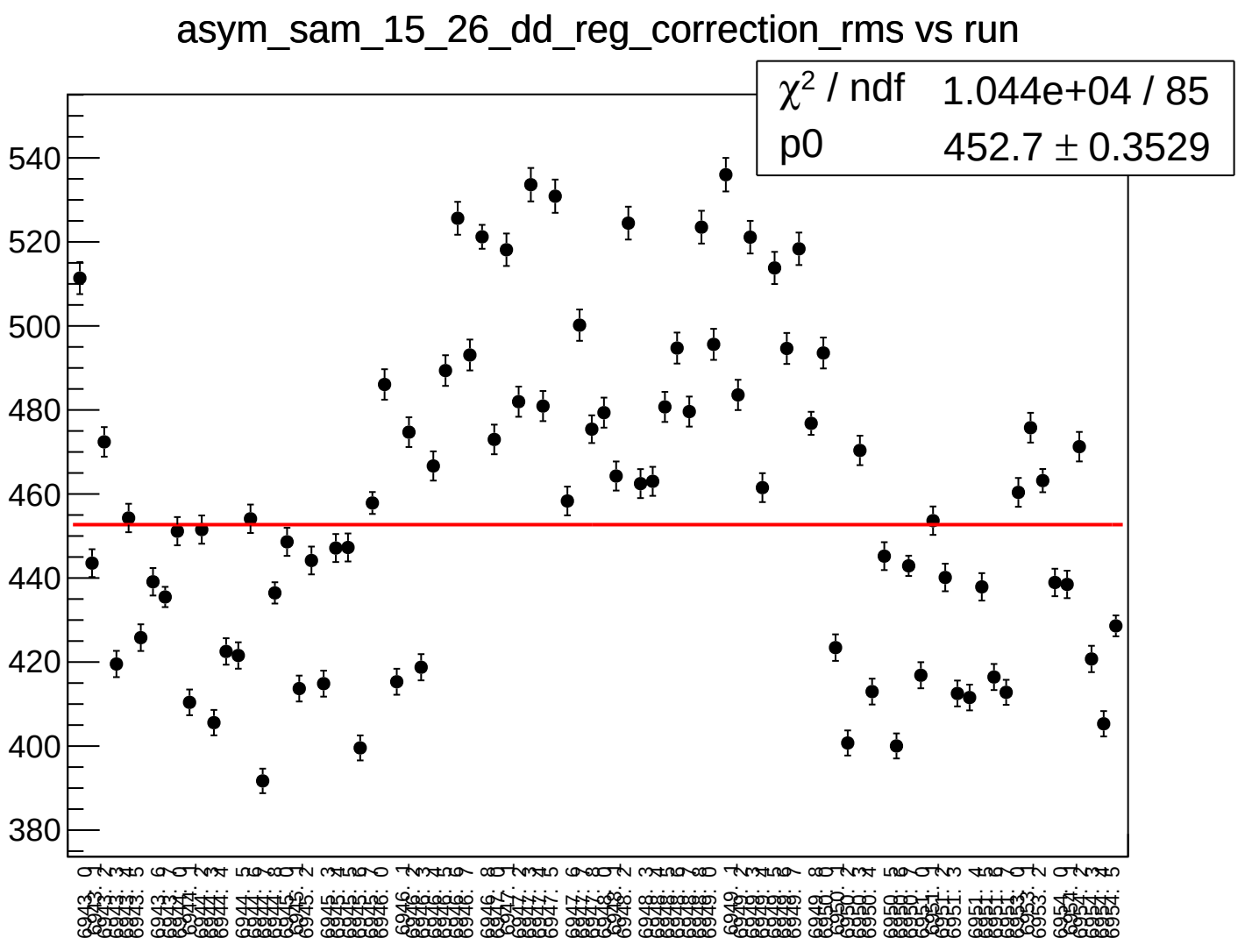

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.93 / 85
p0 49.99 ± 66.27
pull
Entries 86
Mean 206.6
Std Dev 0

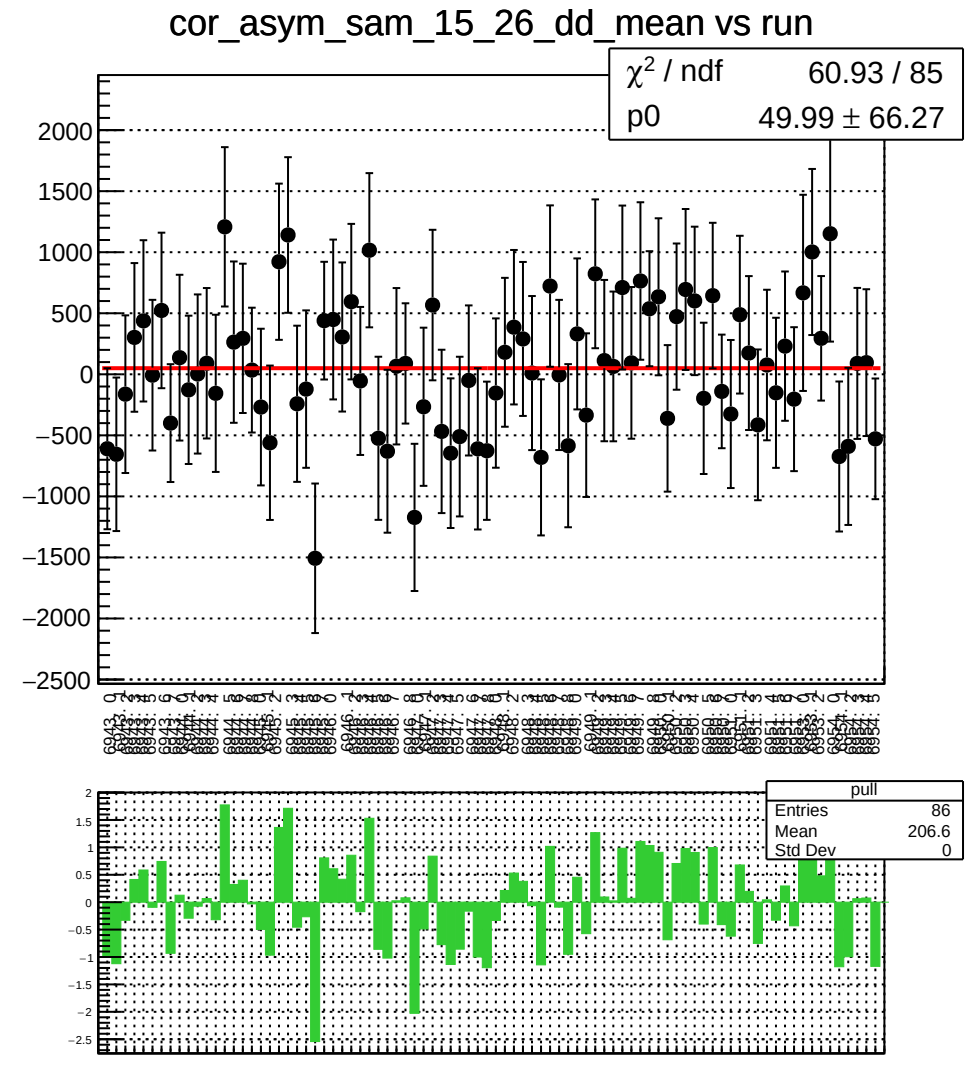

pull1D
Entries 86
Mean 0.01014
Std Dev 0.8417

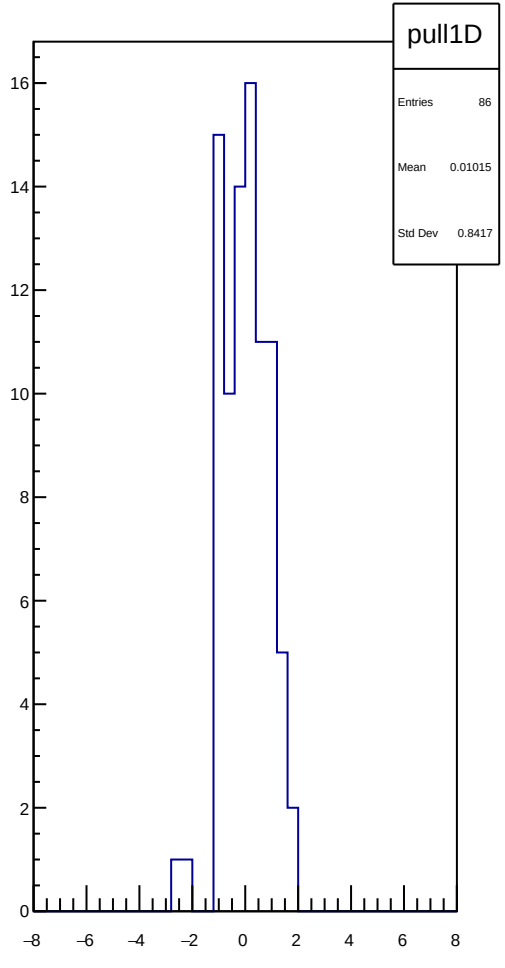

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 4159 / 85
p0 60.23 ± 0.04686
85
80
75
70
65
60
55

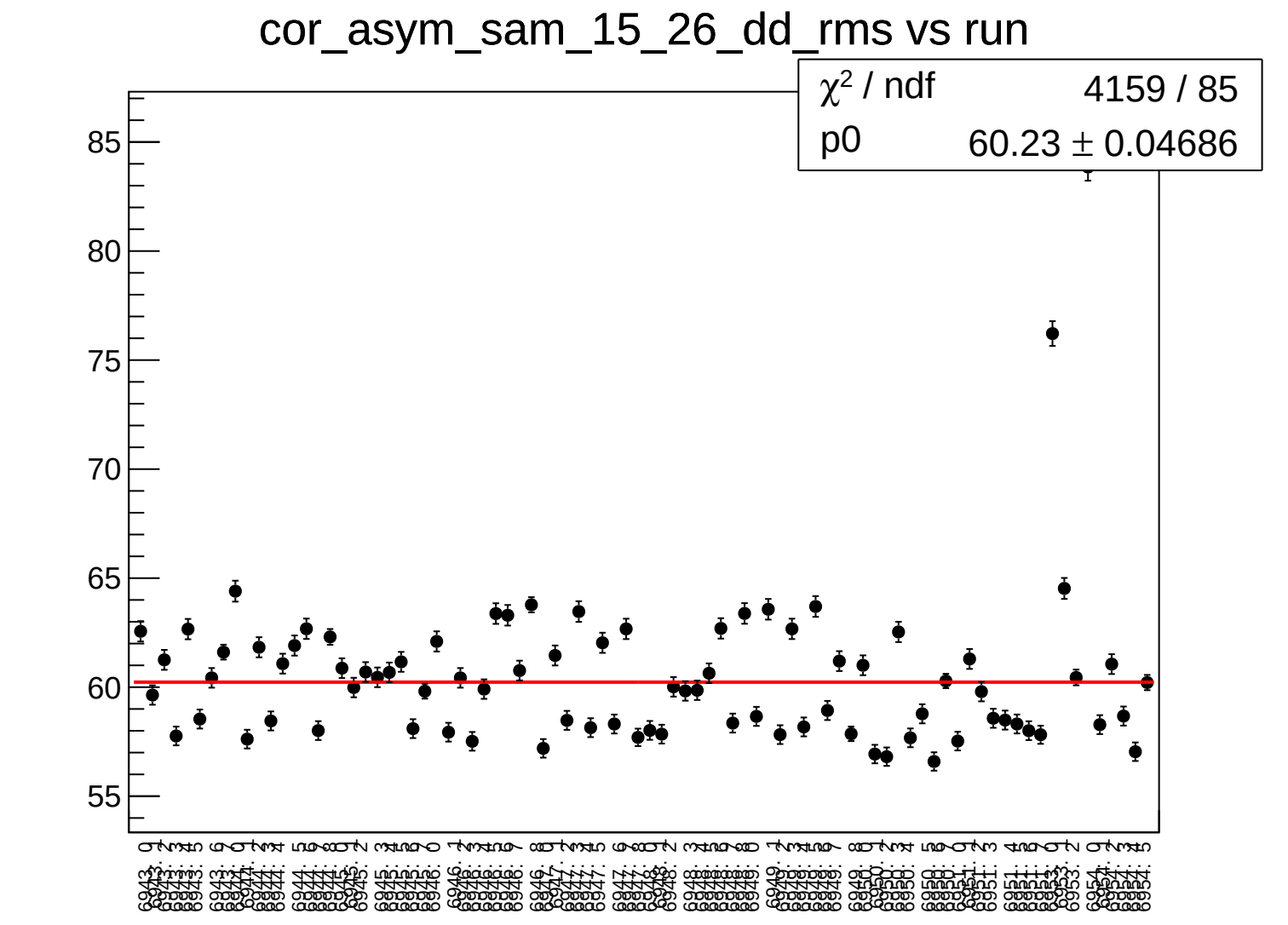

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 82.13 / 85
p0 1405 ± 499.1
pull
Entries 86
Mean 11.99
Std Dev 0

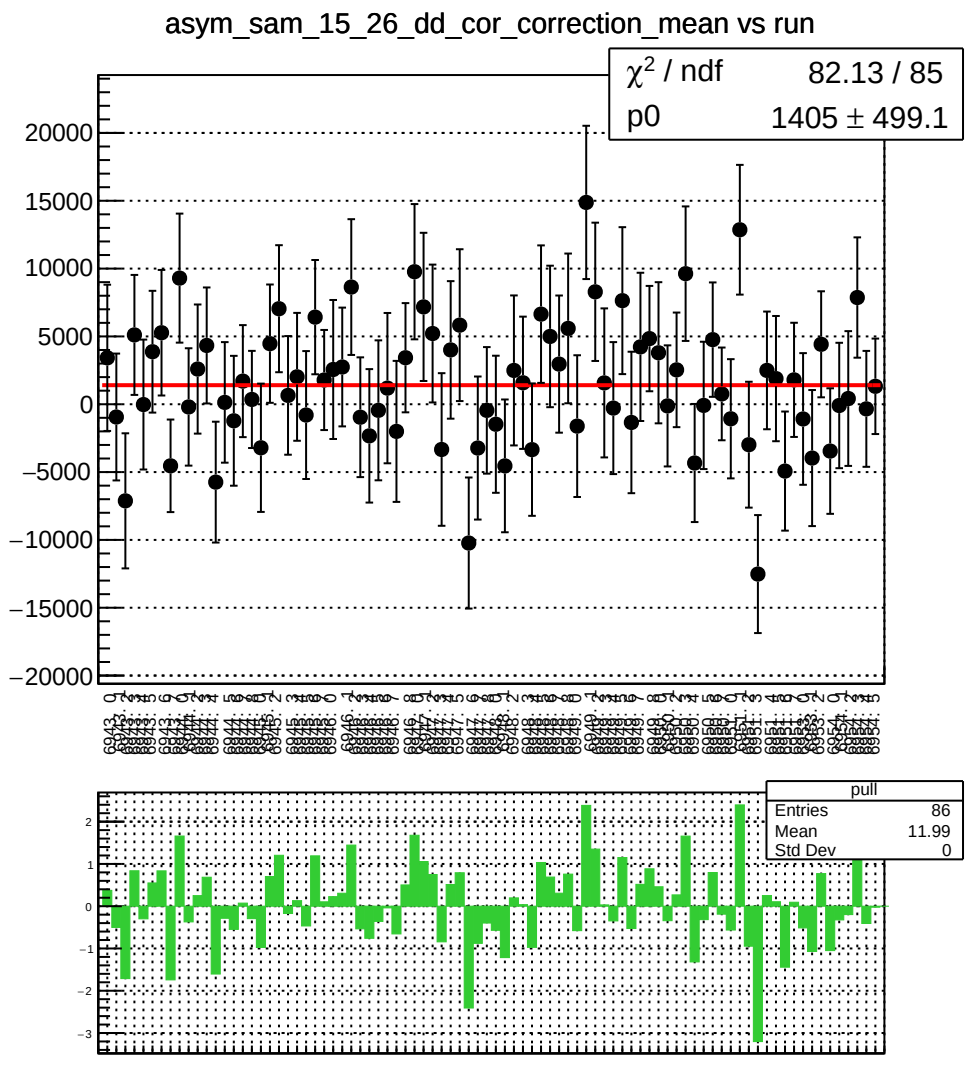

pull1D
Entries 86
Mean 0.01738
Std Dev 0.9771

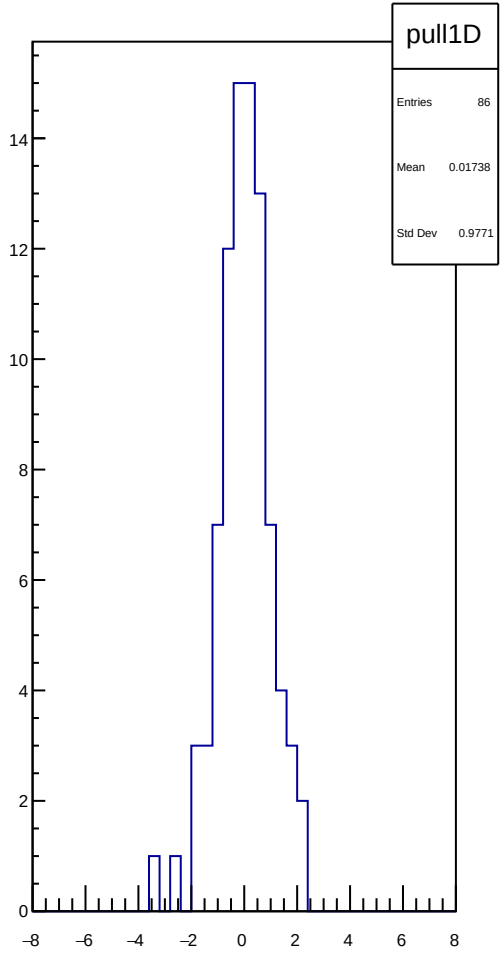

asym_sam_15_26_dd_reg_correction_rms vs run
χ^2 / ndf 1.044e+04 / 85
p0 452.7 ± 0.3529
540
520
500
480
460
440
420
400
380

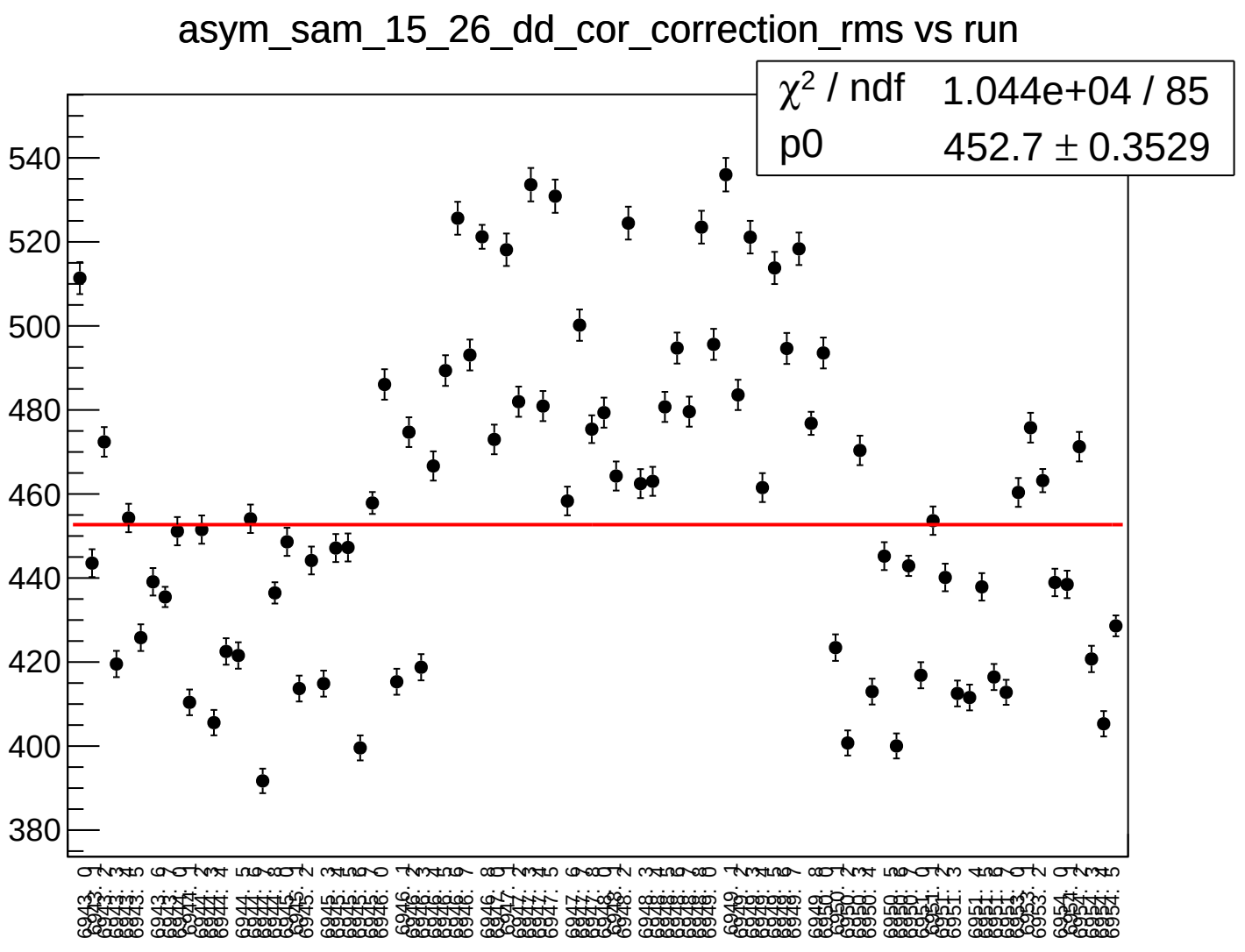

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.93 / 85
p0 49.99 ± 66.27
pull
Entries 86
Mean 206.6
Std Dev 0

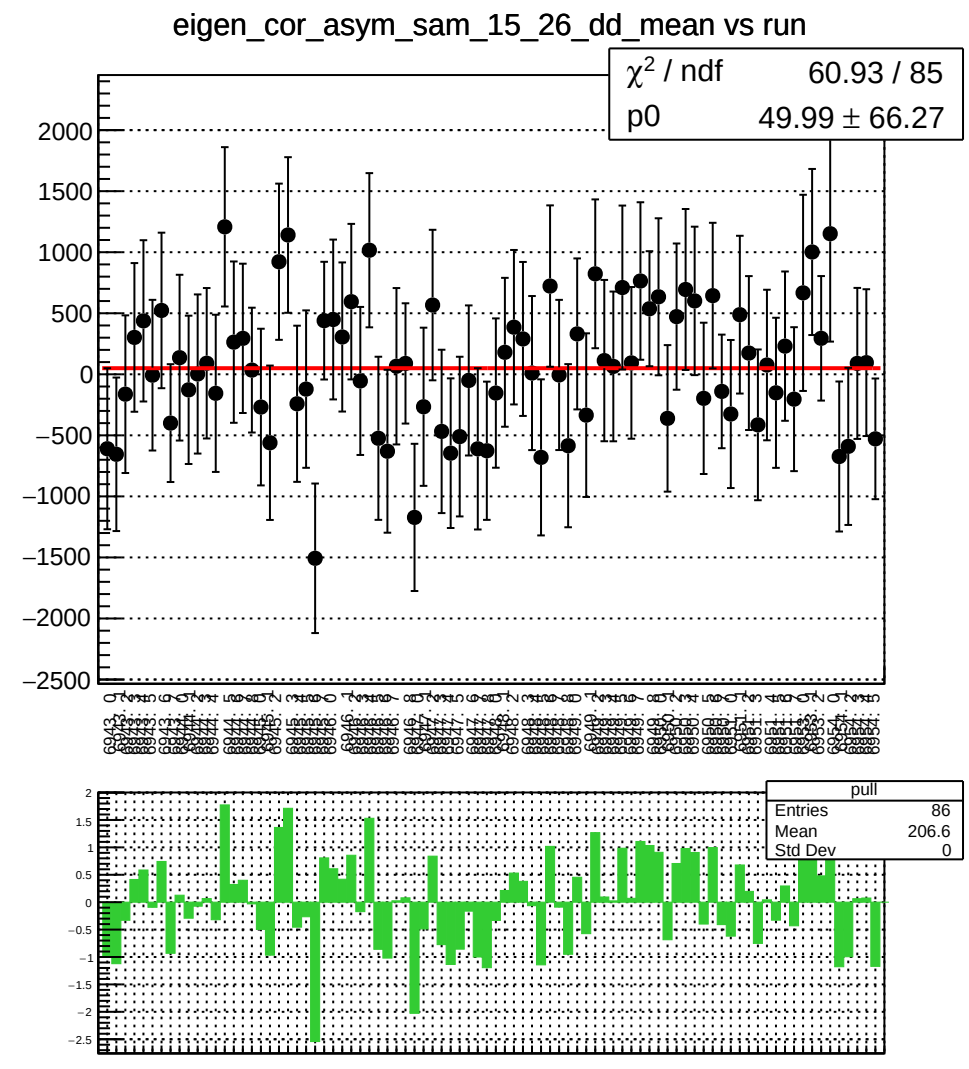

pull1D
Entries 86
Mean 0.01015
Std Dev 0.8417

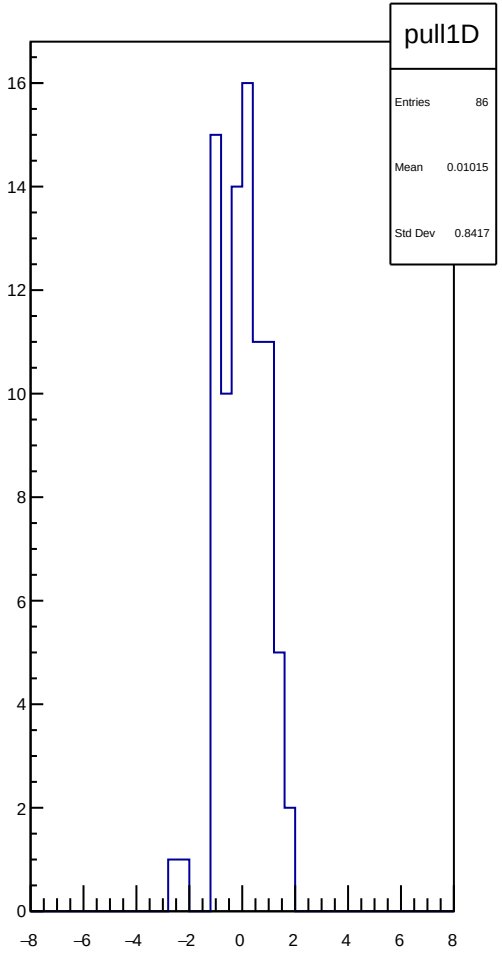

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4159 / 85
p0 60.23 ± 0.04686
85
80
75
70
65
60
55

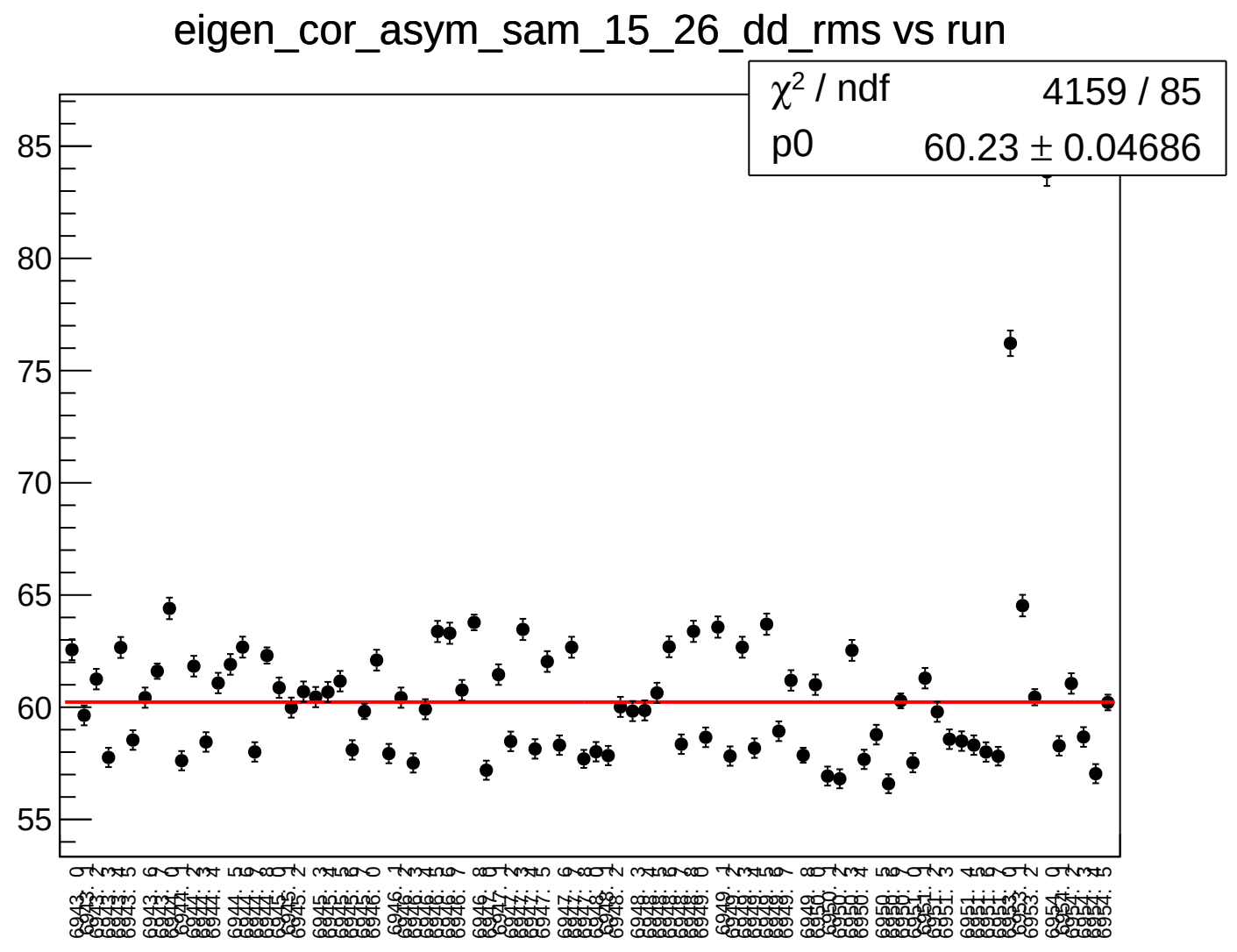

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 82.13 / 85
p0 1405 ± 499.1
pull
Entries 86
Mean 11.99
Std Dev 0

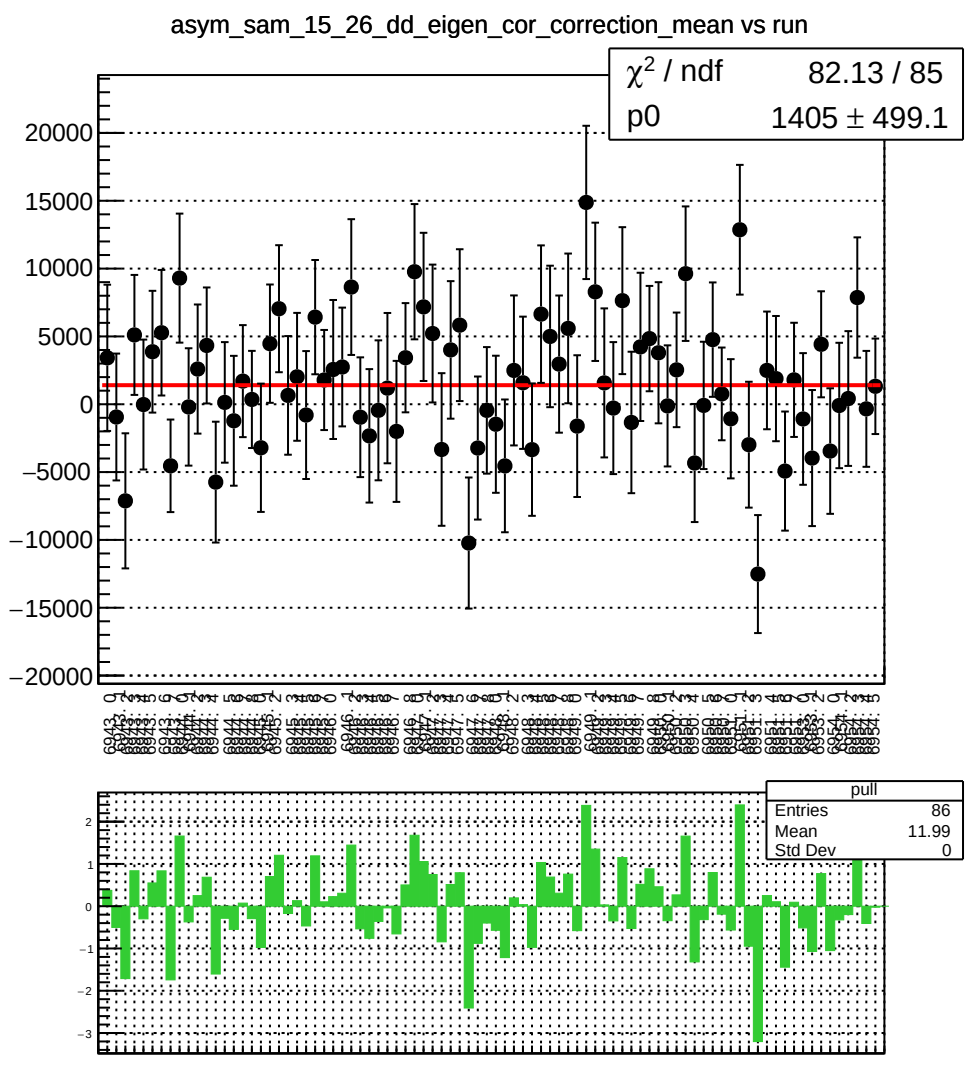

pull1D
Entries 86
Mean 0.01738
Std Dev 0.9771

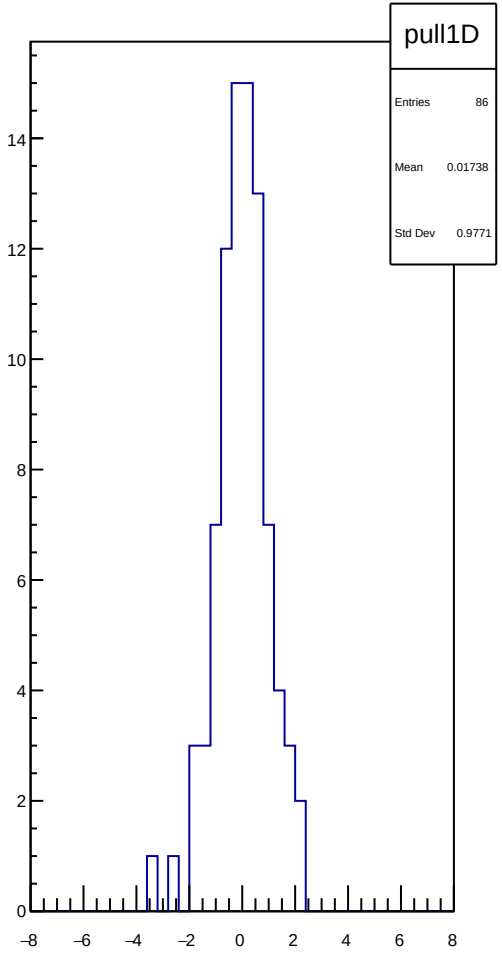

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 1.044e+04 / 85
p0 452.7 ± 0.3529
540
520
500
480
460
440
420
400
380

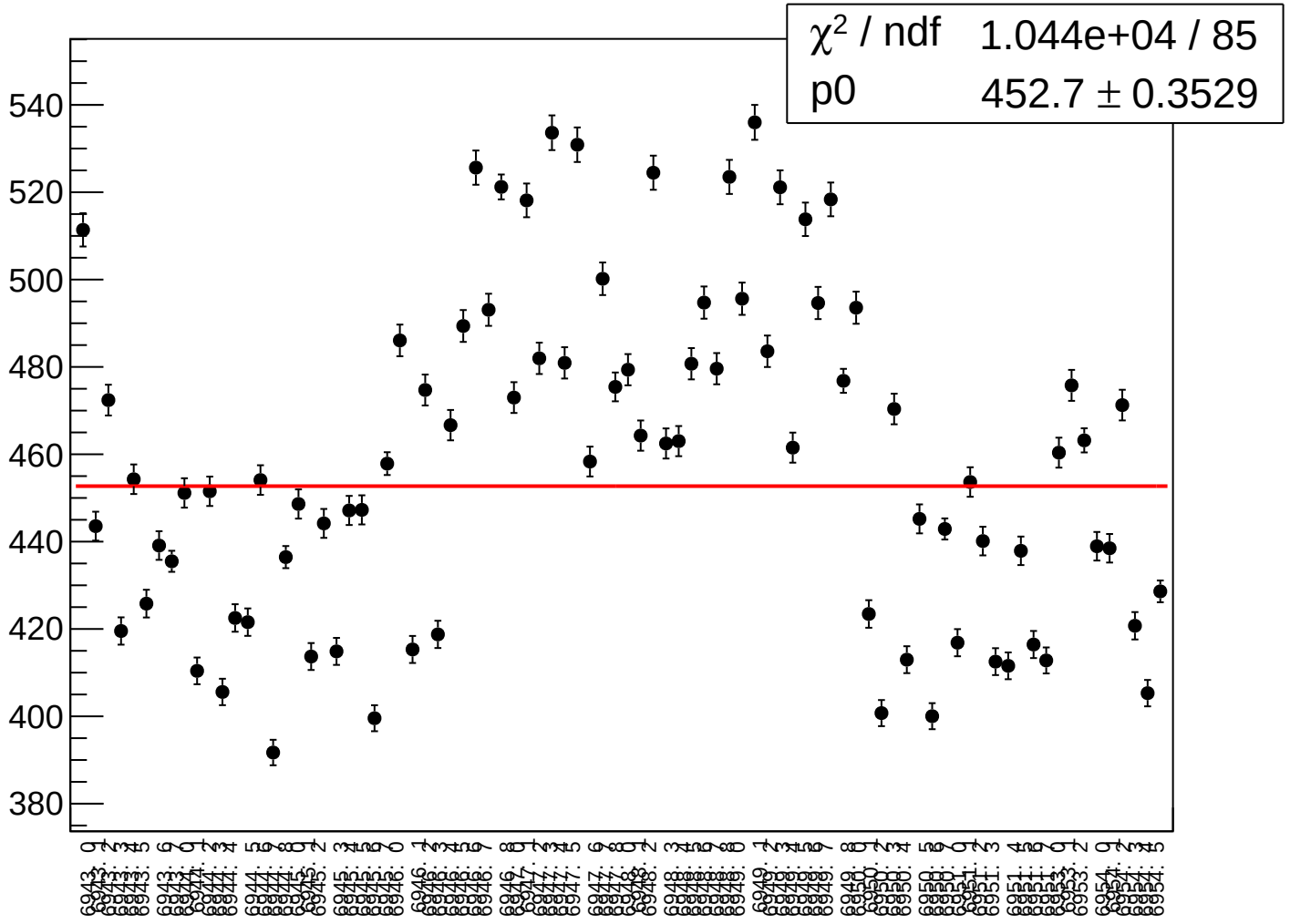

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.93 / 85
p0 49.99 ± 66.27
pull
Entries 86
Mean 206.6
Std Dev 0

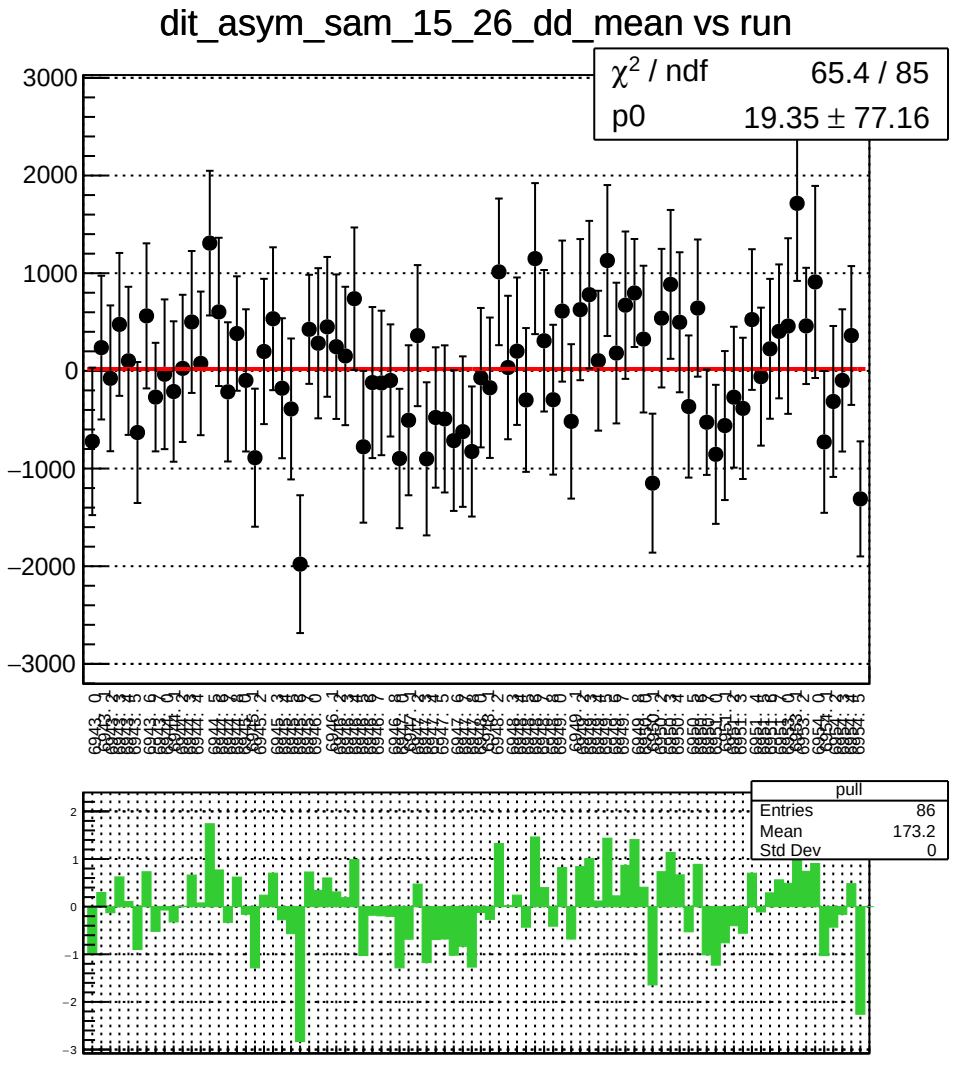

pull1D
Entries 86
Mean 0.01015
Std Dev 0.8417

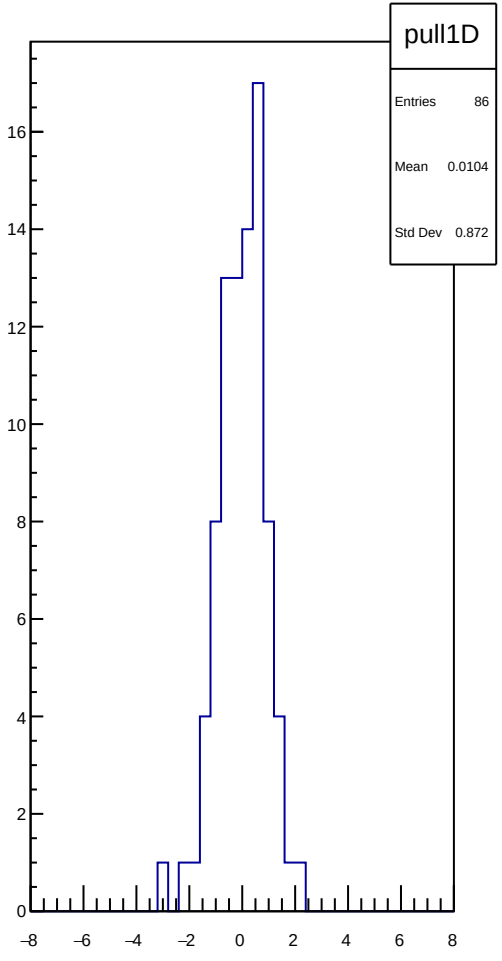

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4159 / 85
p0 60.23 ± 0.04686
85
80
75
70
65
60
55

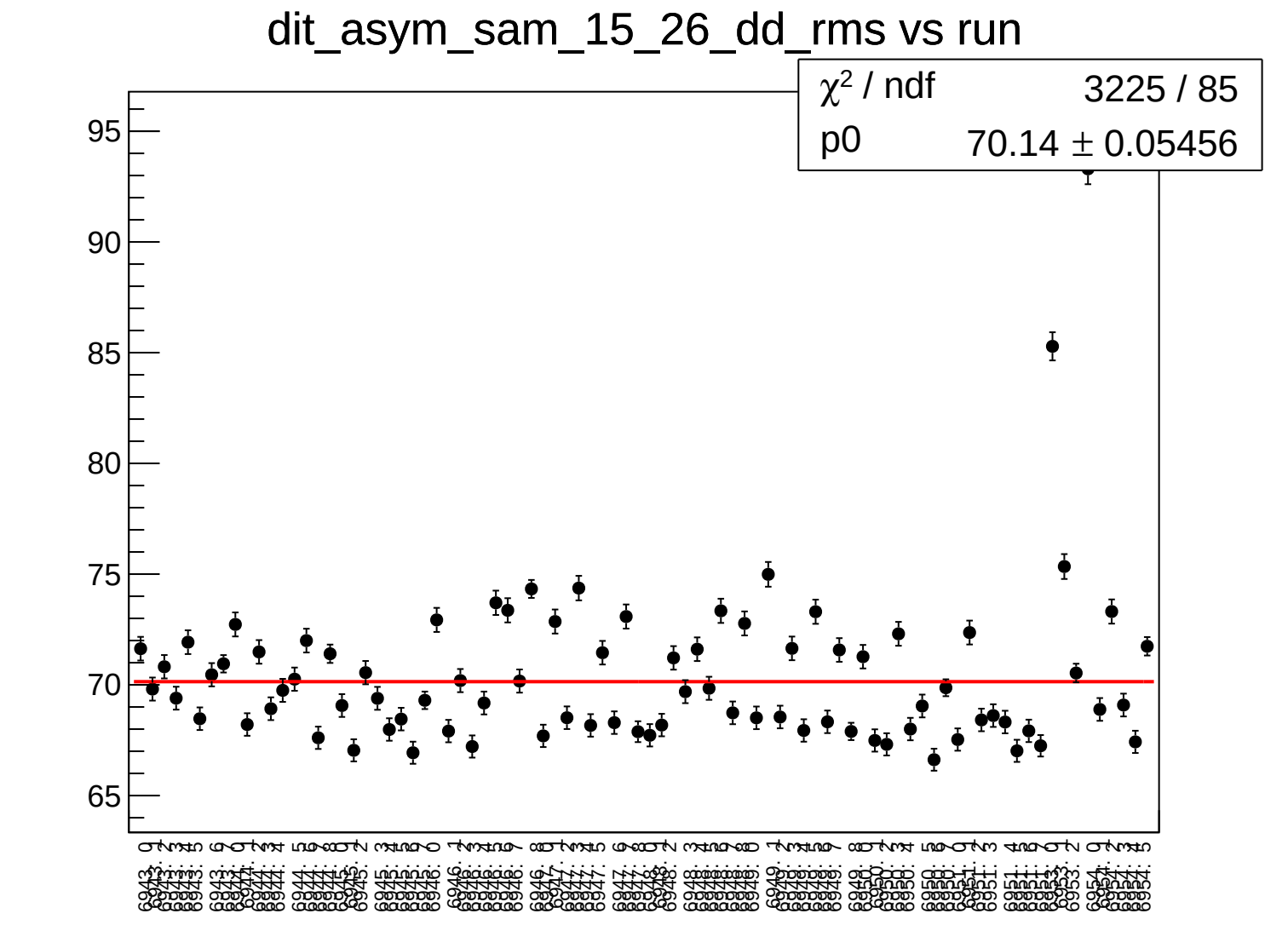

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 82.13 / 85
p0 1405 ± 499.1
pull
Entries 86
Mean 11.99
Std Dev 0

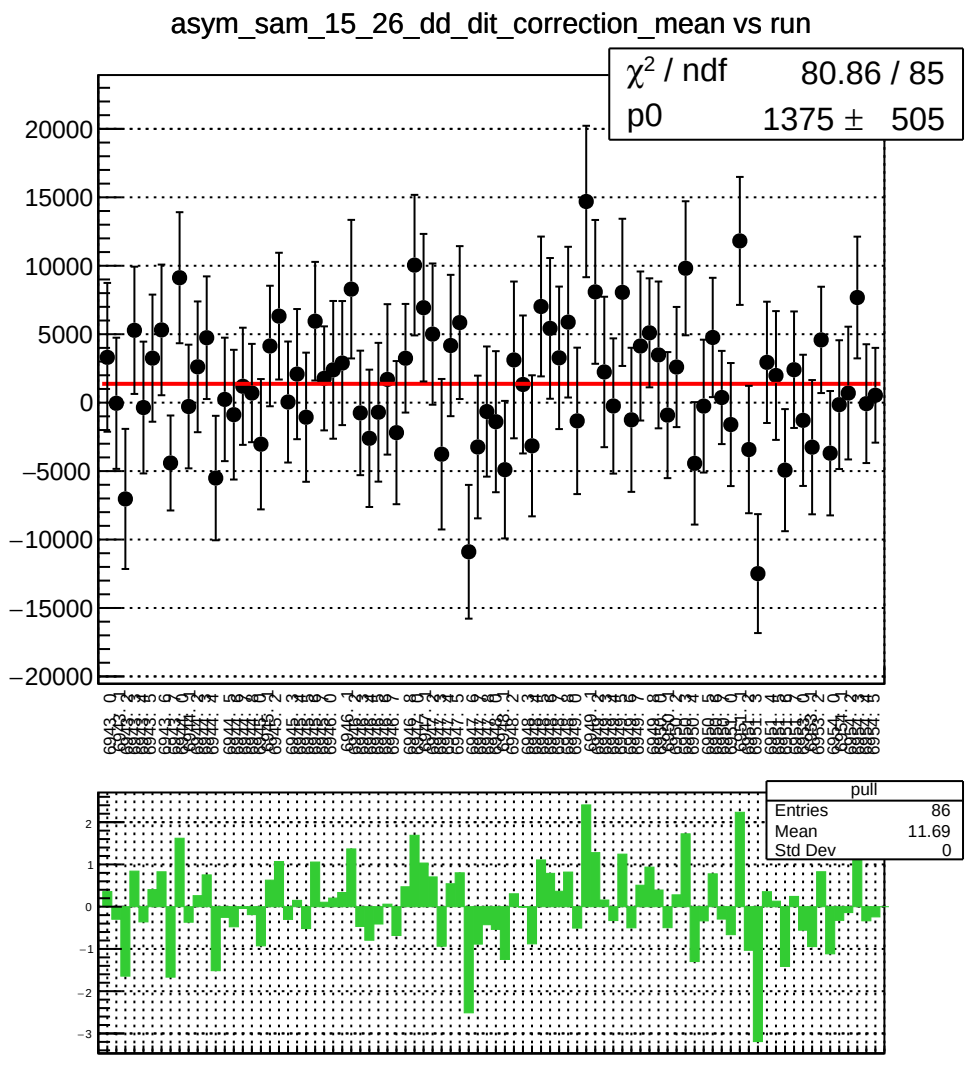

pull1D
Entries 86
Mean 0.01738
Std Dev 0.9771

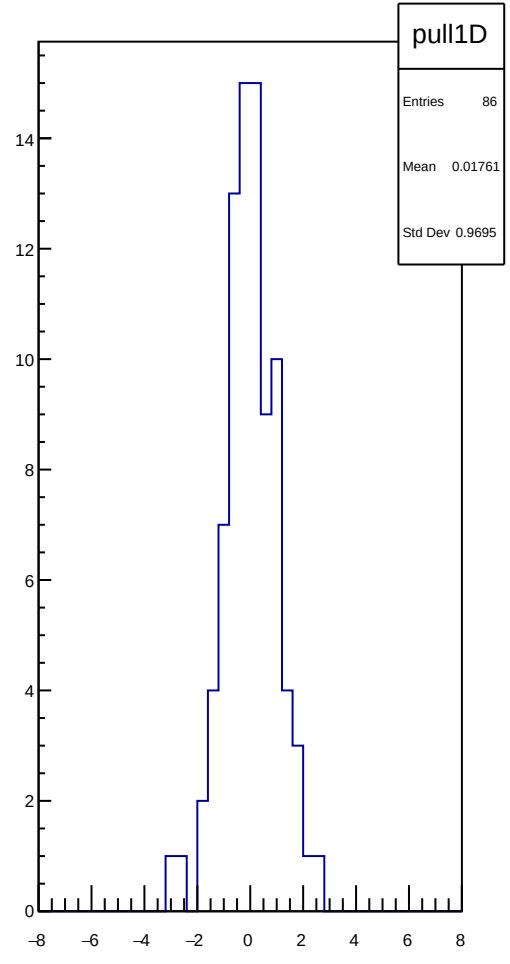

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.044e+04 / 85
p0 452.7 ± 0.3529
540
520
500
480
460
440
420
400
380

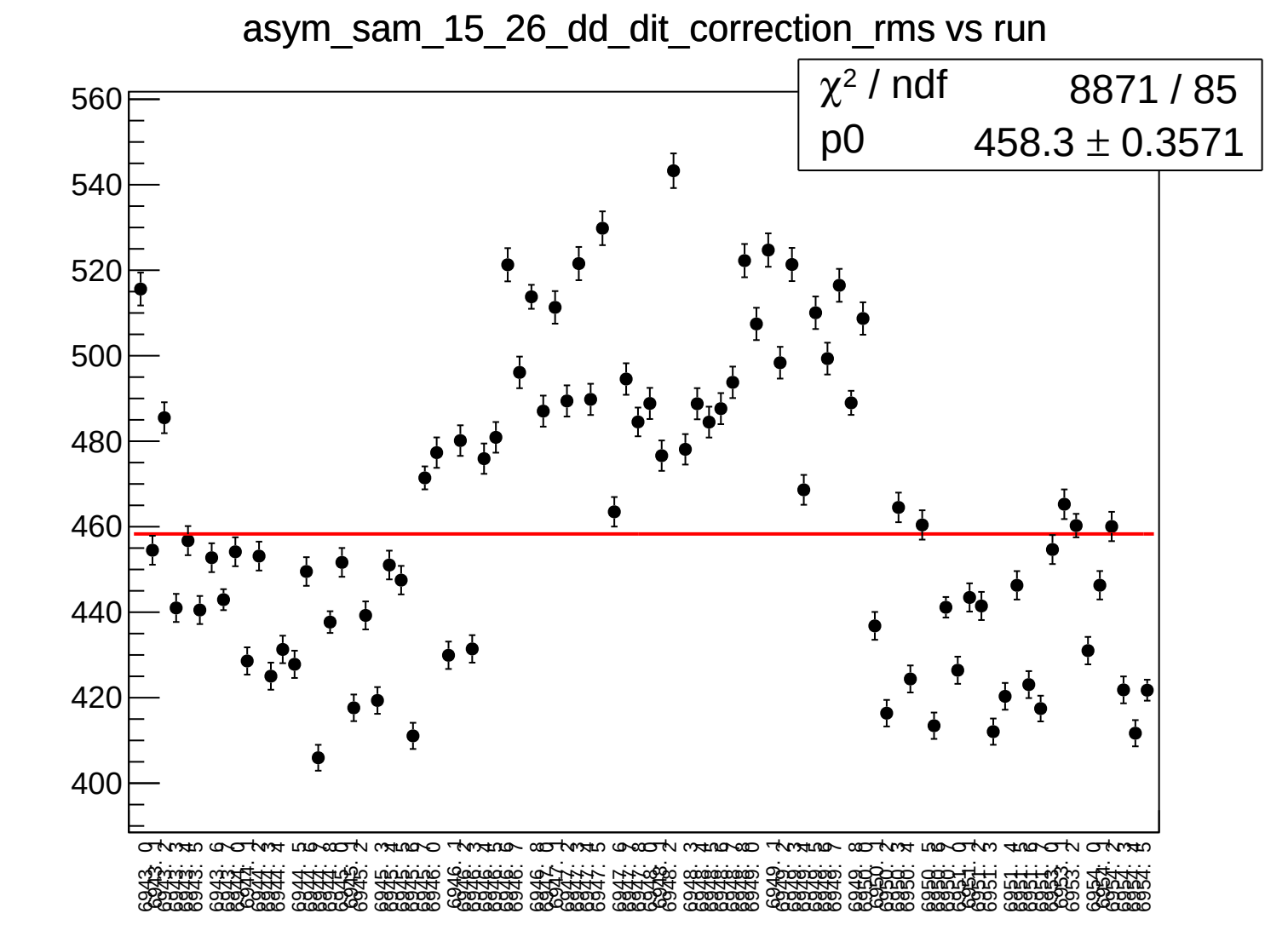

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 65.4 / 85
p0 19.35 ± 77.16
pull
Entries 86
Mean 173.2
Std Dev 0

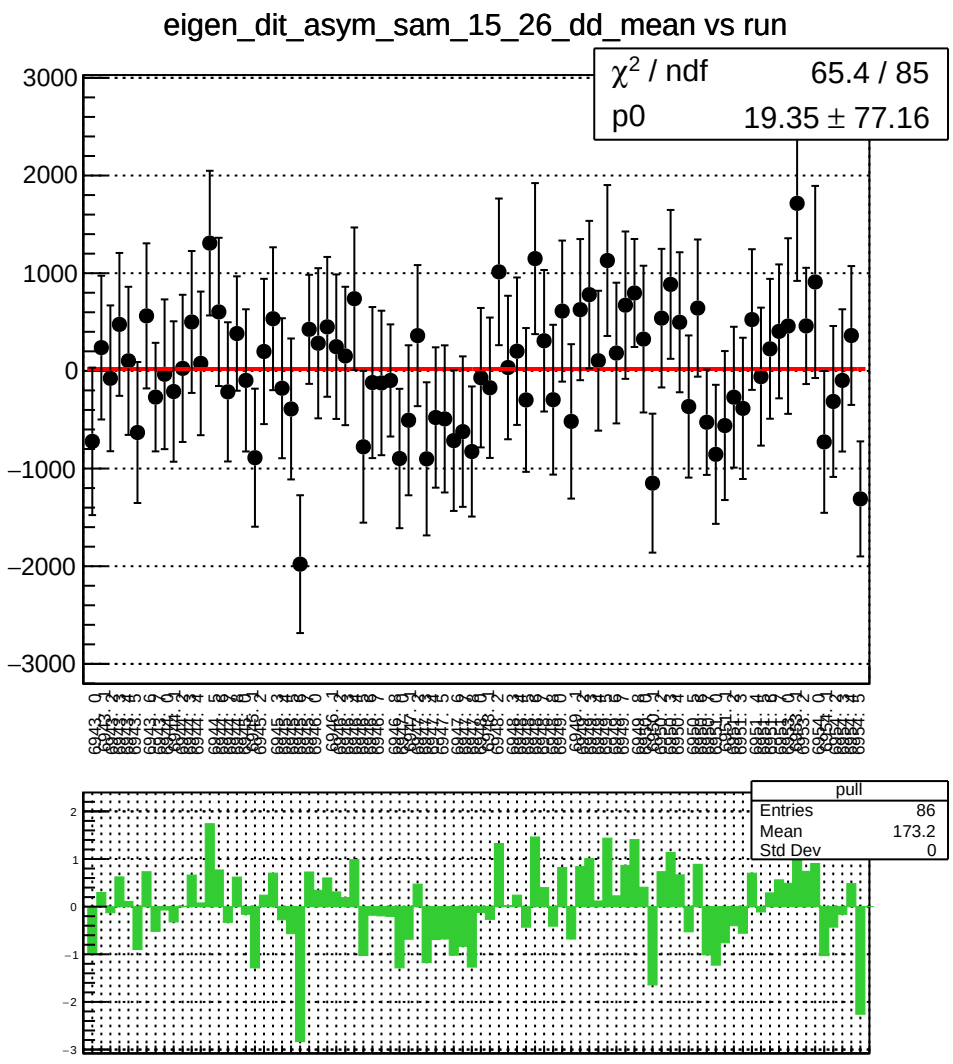

pull1D
Entries 86
Mean 0.0104
Std Dev 0.872

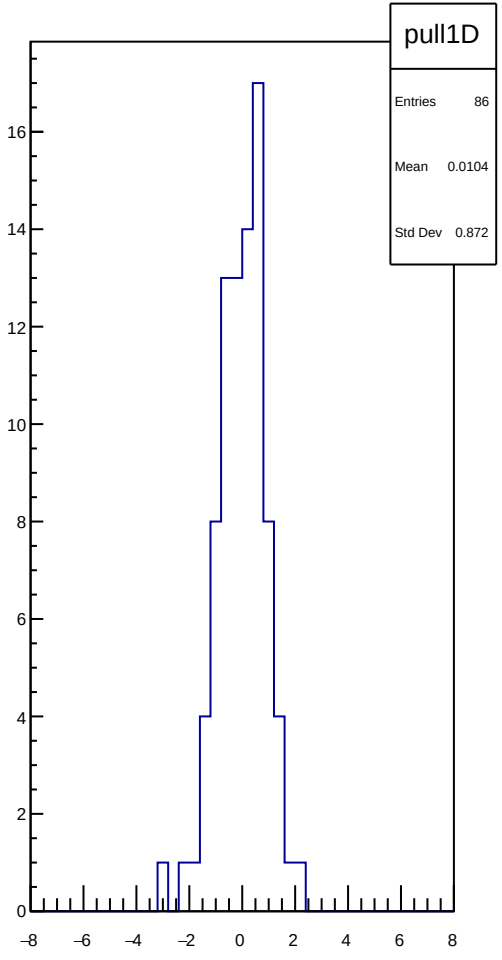

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3225 / 85
p0 70.14 ± 0.05456
95
90
85
80
75
70
65

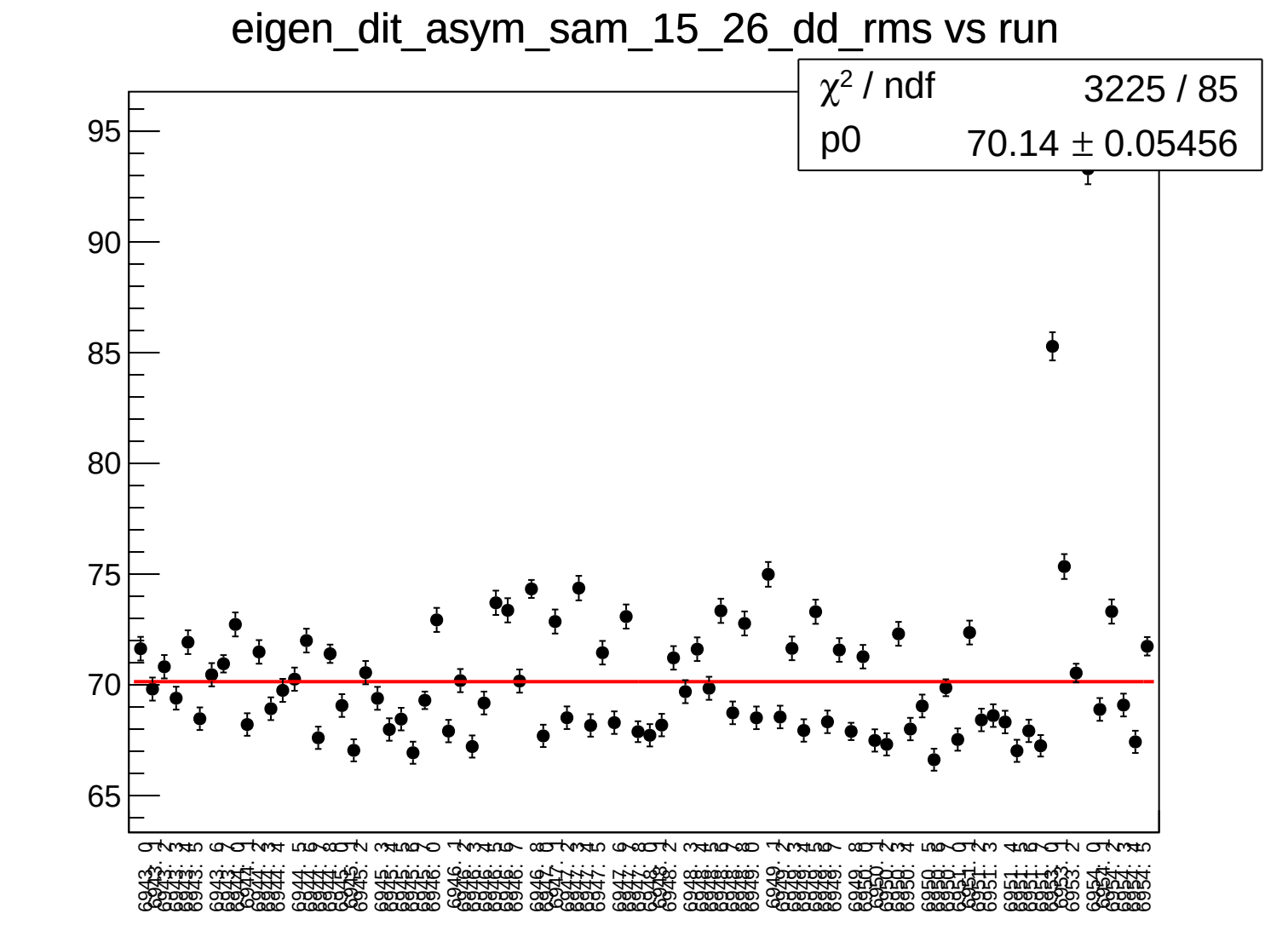

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 80.86 / 85
p0 1375 ± 505
pull
Entries 86
Mean 11.69
Std Dev 0

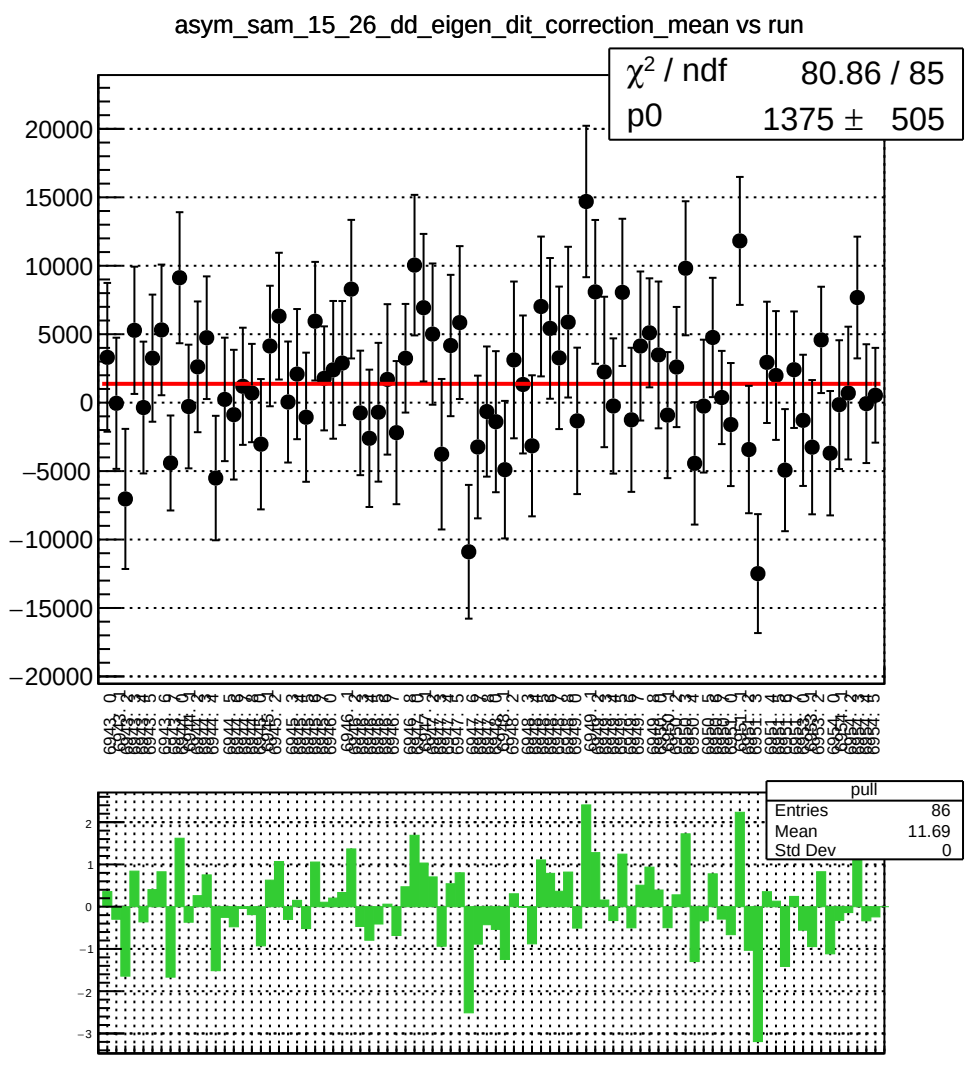

pull1D
Entries 86
Mean 0.01761
Std Dev 0.9695

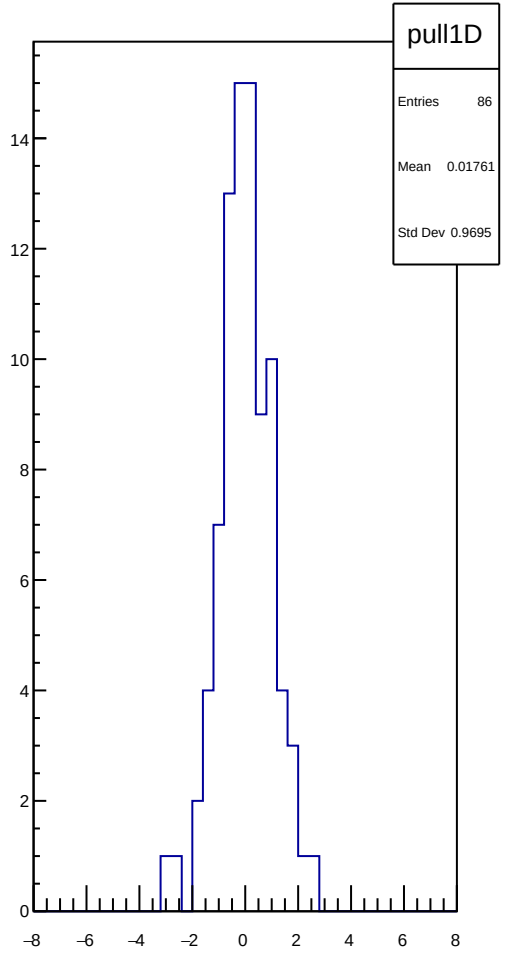

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 8871 / 85
p0 458.3 ± 0.3571
560
540
520
500
480
460
440
420
400

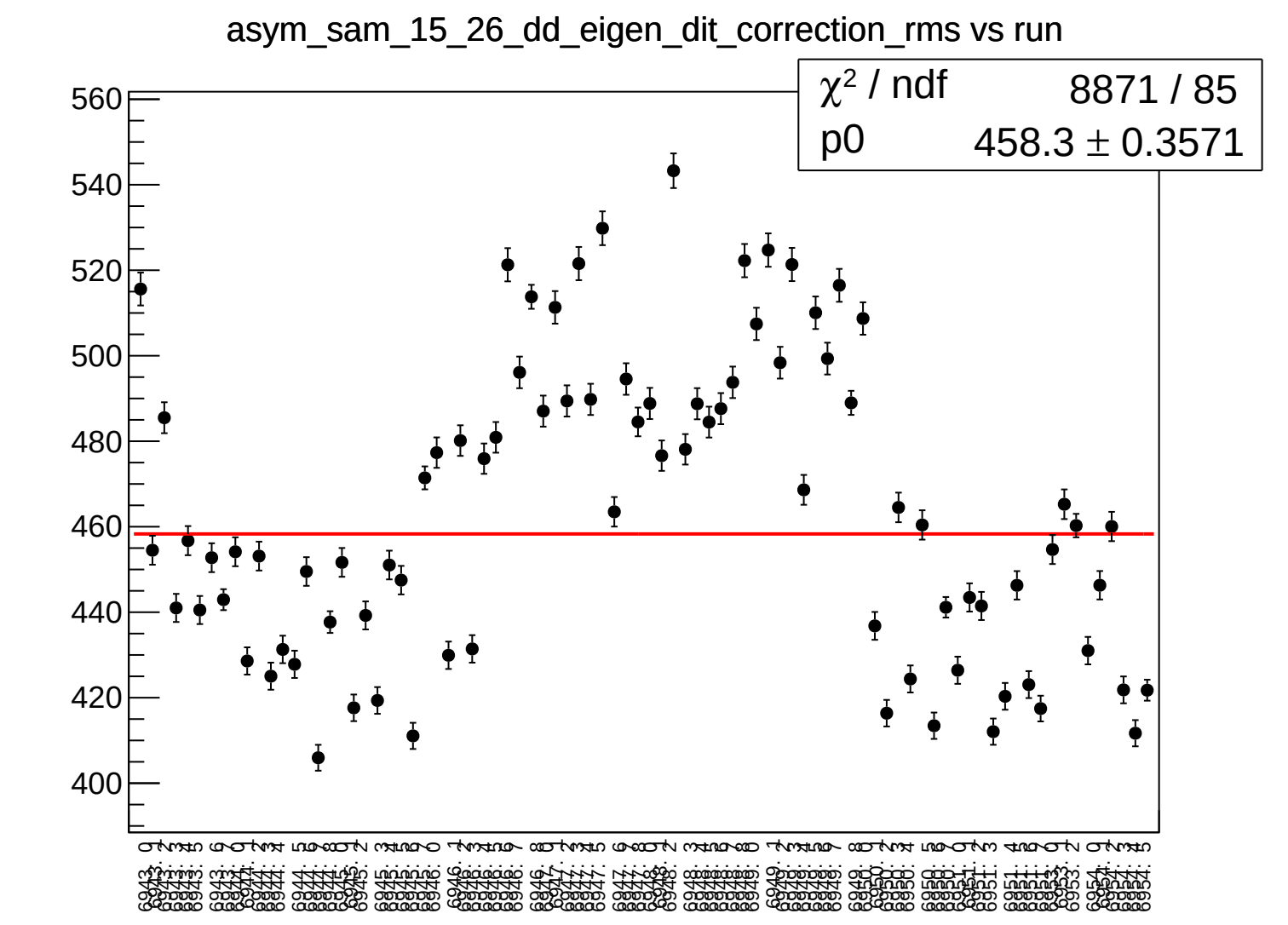

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 65.4 / 85
p0 19.35 ± 77.16
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean 173.2
Std Dev 0
2
1
0
−1
−2
−3

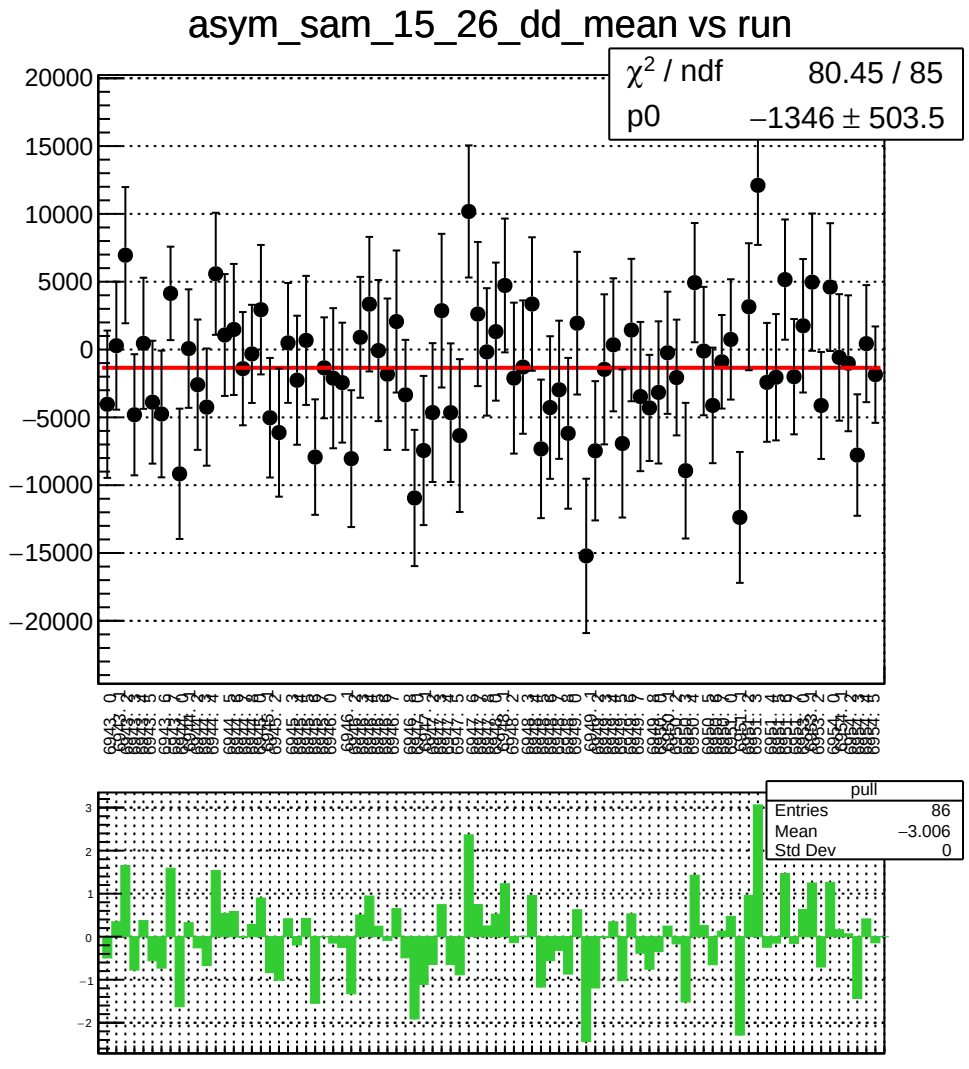

pull1D
Entries 86
Mean 0.0104
Std Dev 0.872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

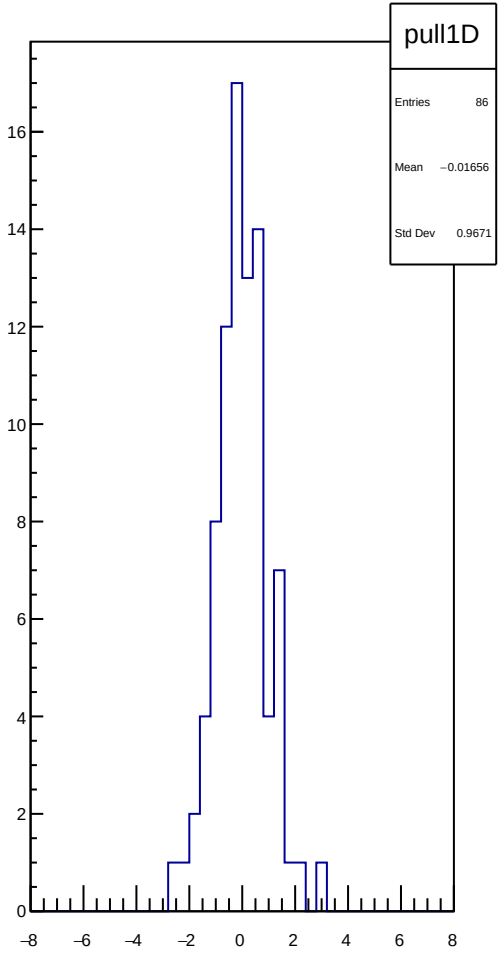

eigen_dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 3225 / 85
p0 70.14 ± 0.05456
95
90
85
80
75
70
65

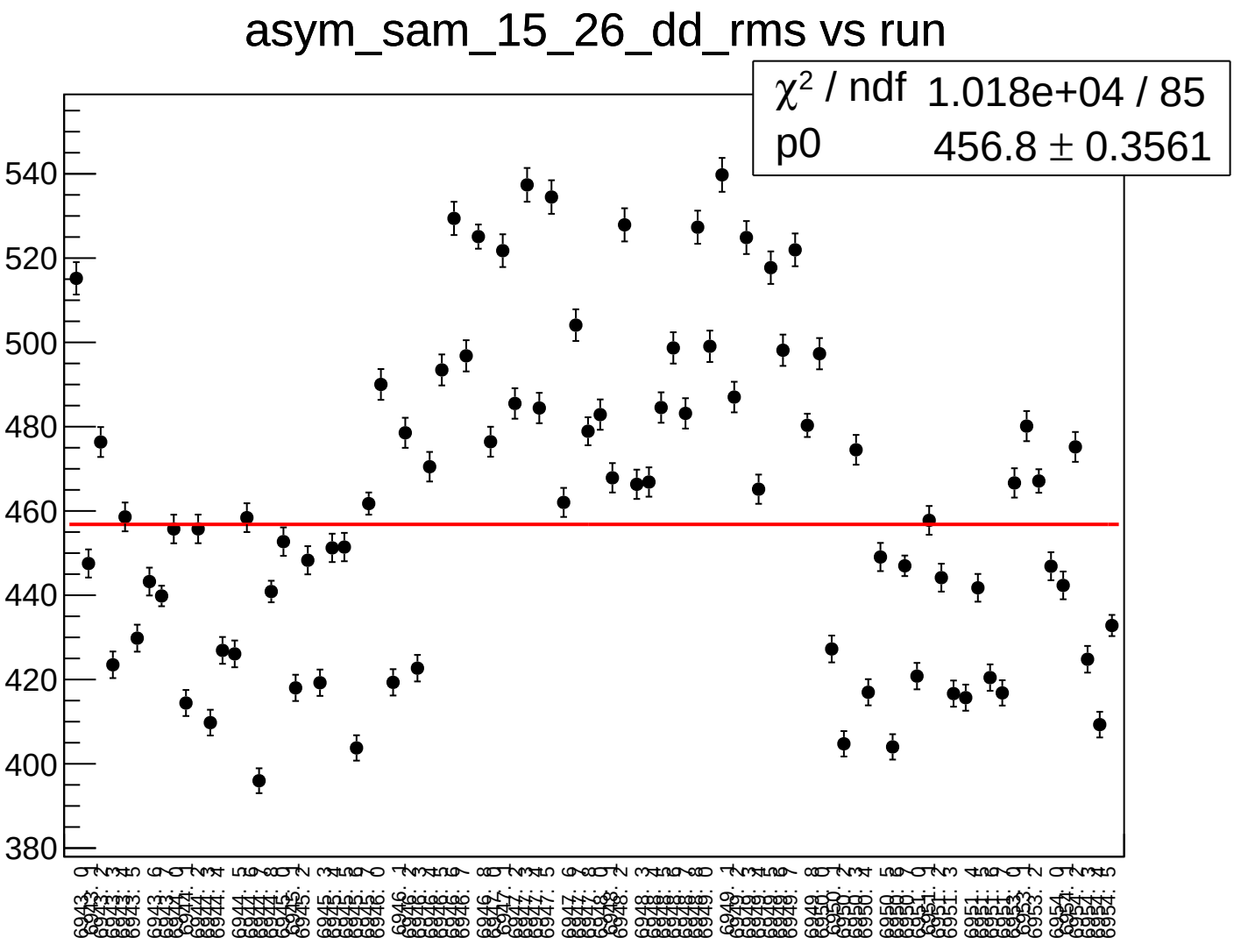

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.86 / 85
p0 1375 ± 505
pull
Entries 86
Mean 11.69
Std Dev 0

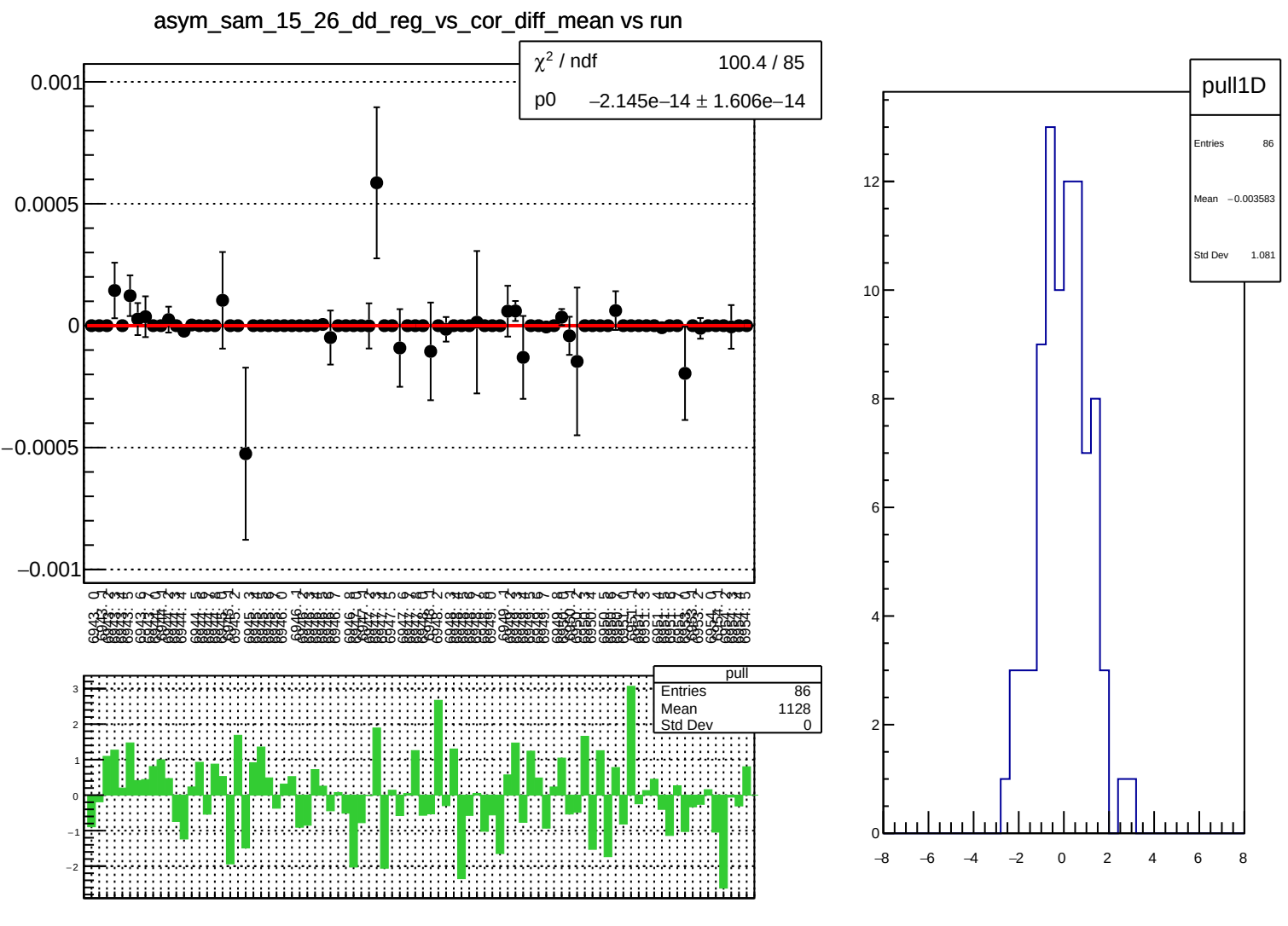

pull1D
Entries 86
Mean 0.01761
Std Dev 0.9695

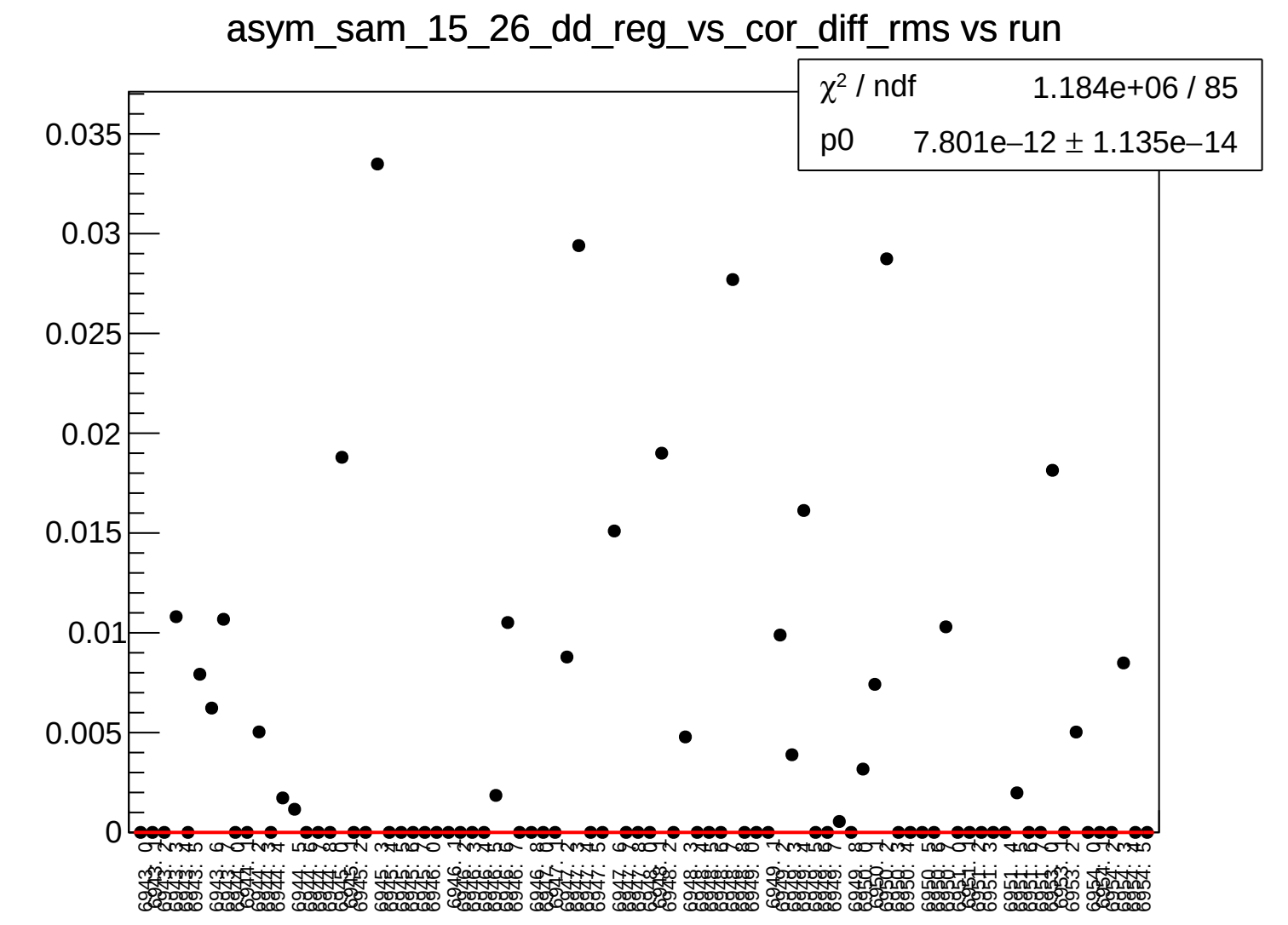

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 8871 / 85
p0 458.3 ± 0.3571
560
540
520
500
480
460
440
420
400

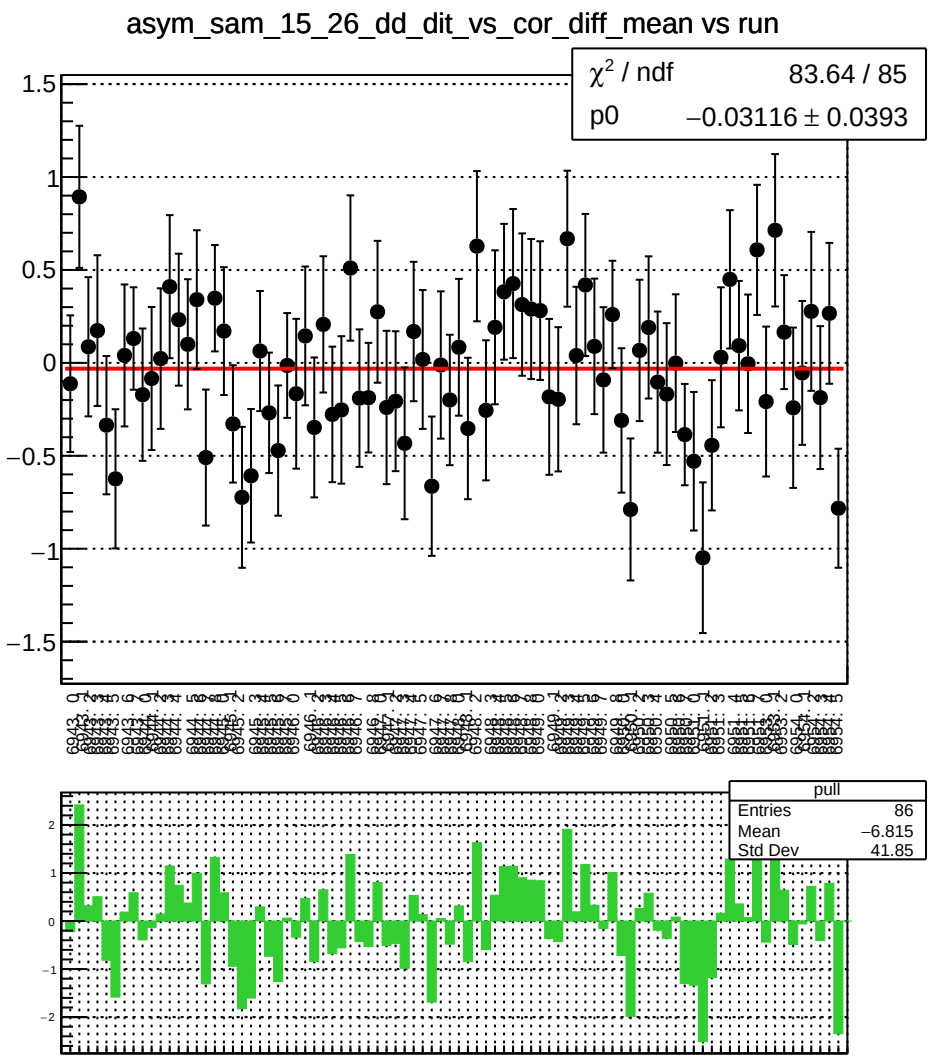

asym_sam_15_26_dd_mean vs run
χ² / ndf 80.45 / 85
p0 −1346 ± 503.5
pull
Entries 86
Mean −3.006
Std Dev 0

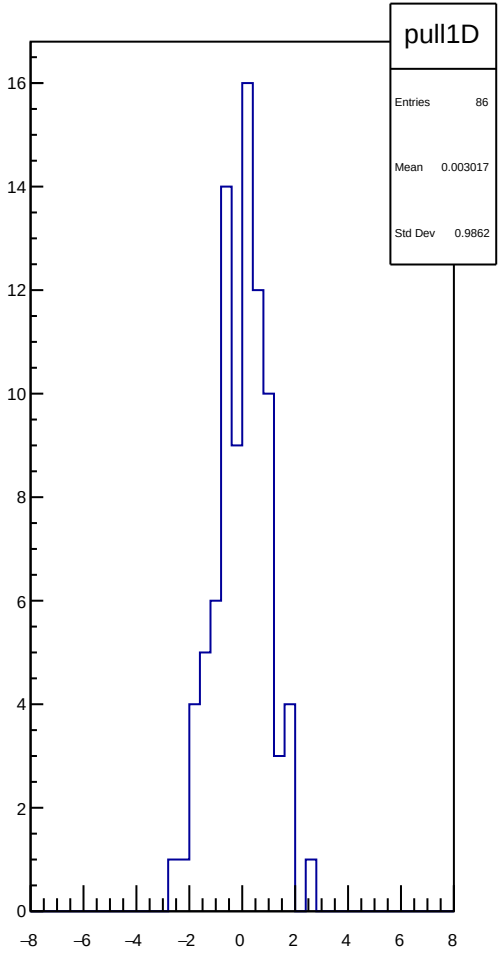

pull1D
Entries 86
Mean −0.01656
Std Dev 0.9671

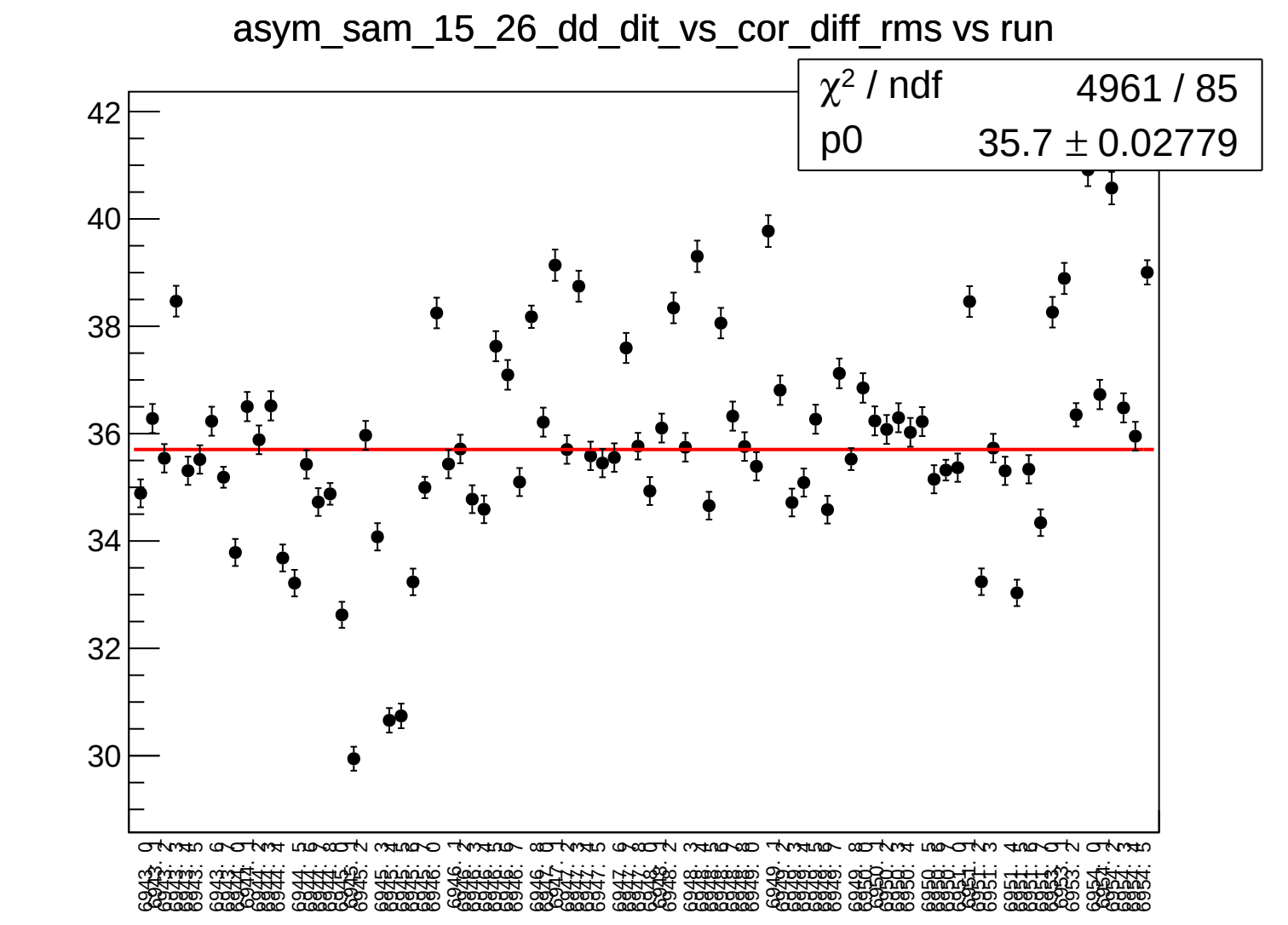

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.018e+04 / 85
p0 456.8 ± 0.3561
540
520
500
480
460
440
420
400
380

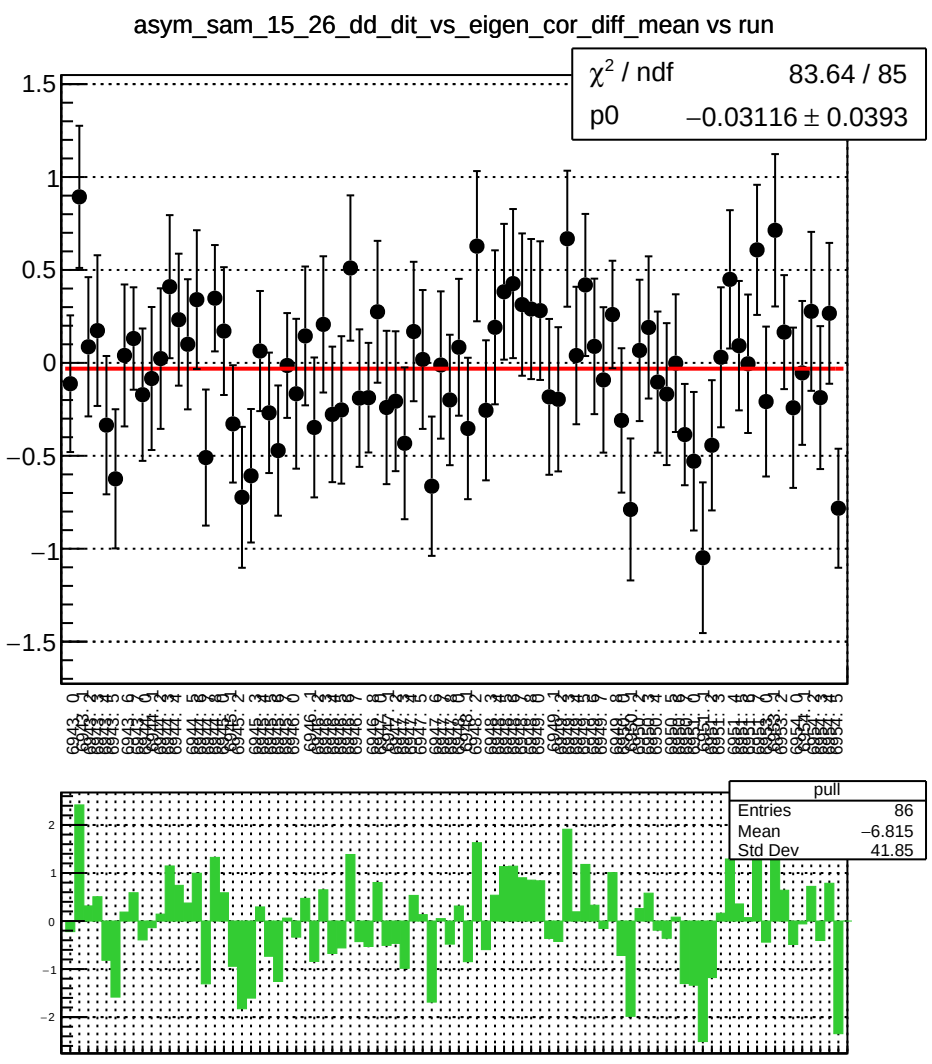

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 100.4 / 85
p0 −2.145e−14 ± 1.606e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 1128
Std Dev 0
pull1D
Entries 86
Mean −0.003583
Std Dev 1.081

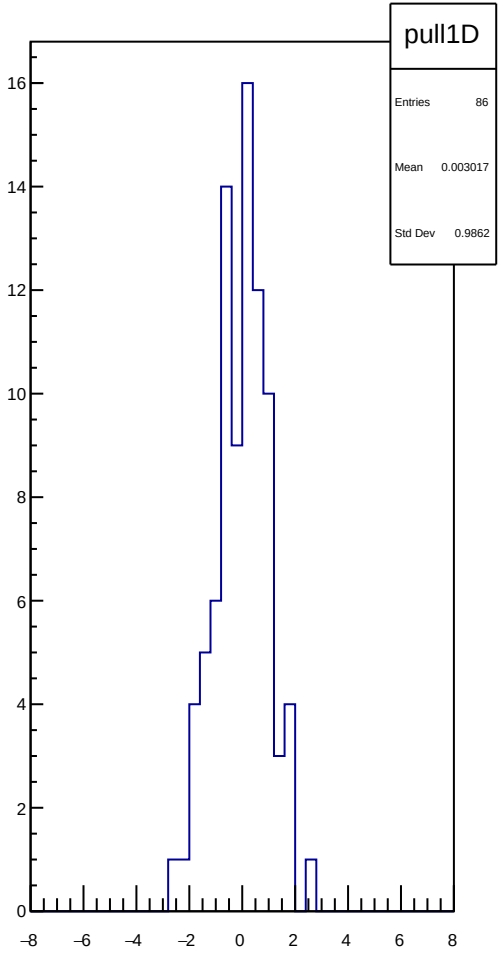

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.184e+06 / 85
p0 7.801e−12 ± 1.135e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

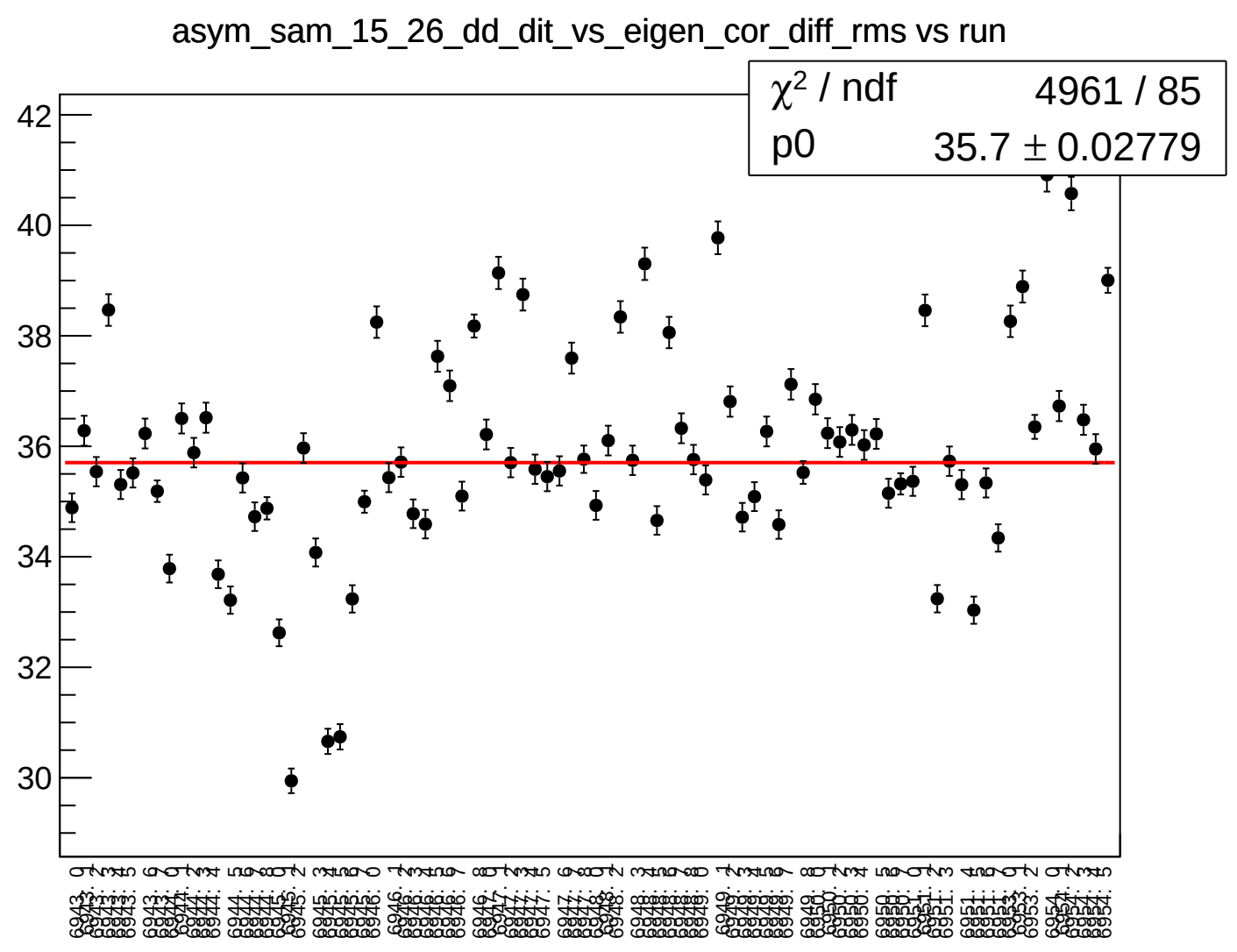

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.64 / 85
p0 −0.03116 ± 0.0393
pull
Entries 86
Mean −6.815
Std Dev 41.85

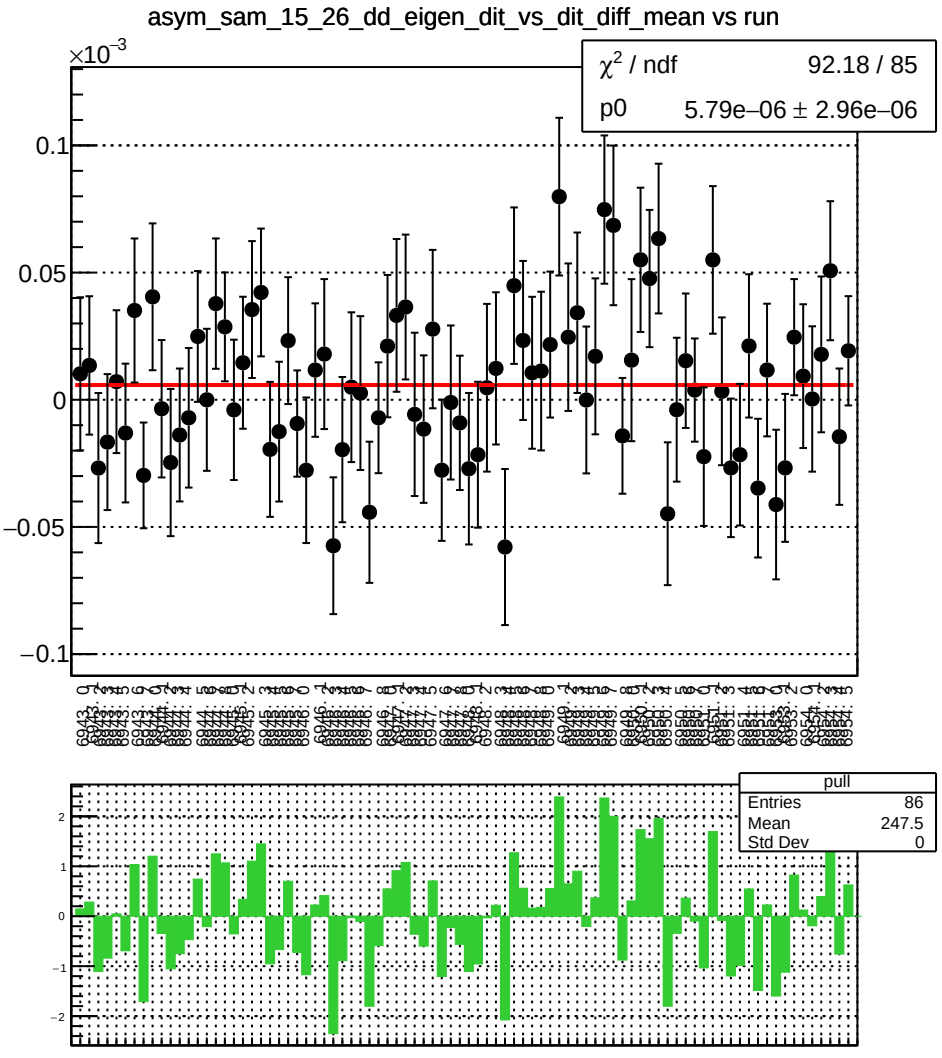

pull1D
Entries 86
Mean 0.003017
Std Dev 0.9862

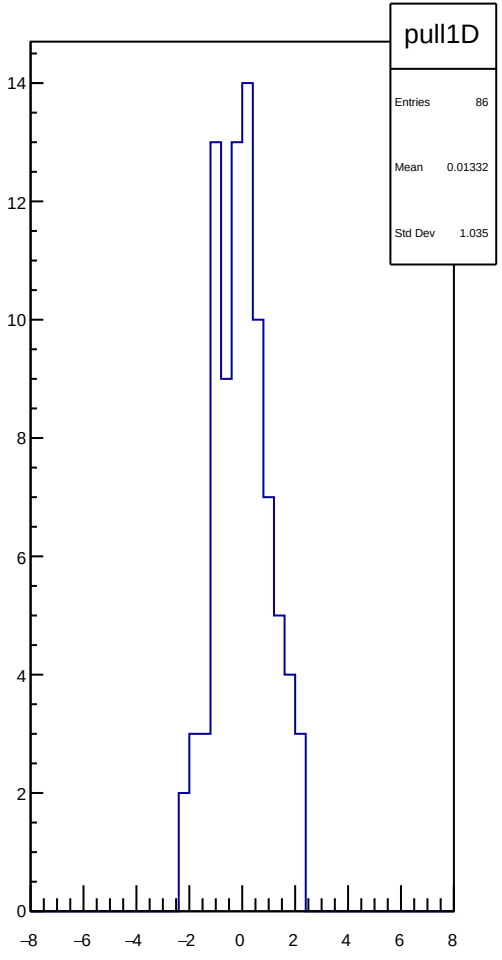

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4961 / 85
p0 35.7 ± 0.02779
42
40
38
36
34
32
30

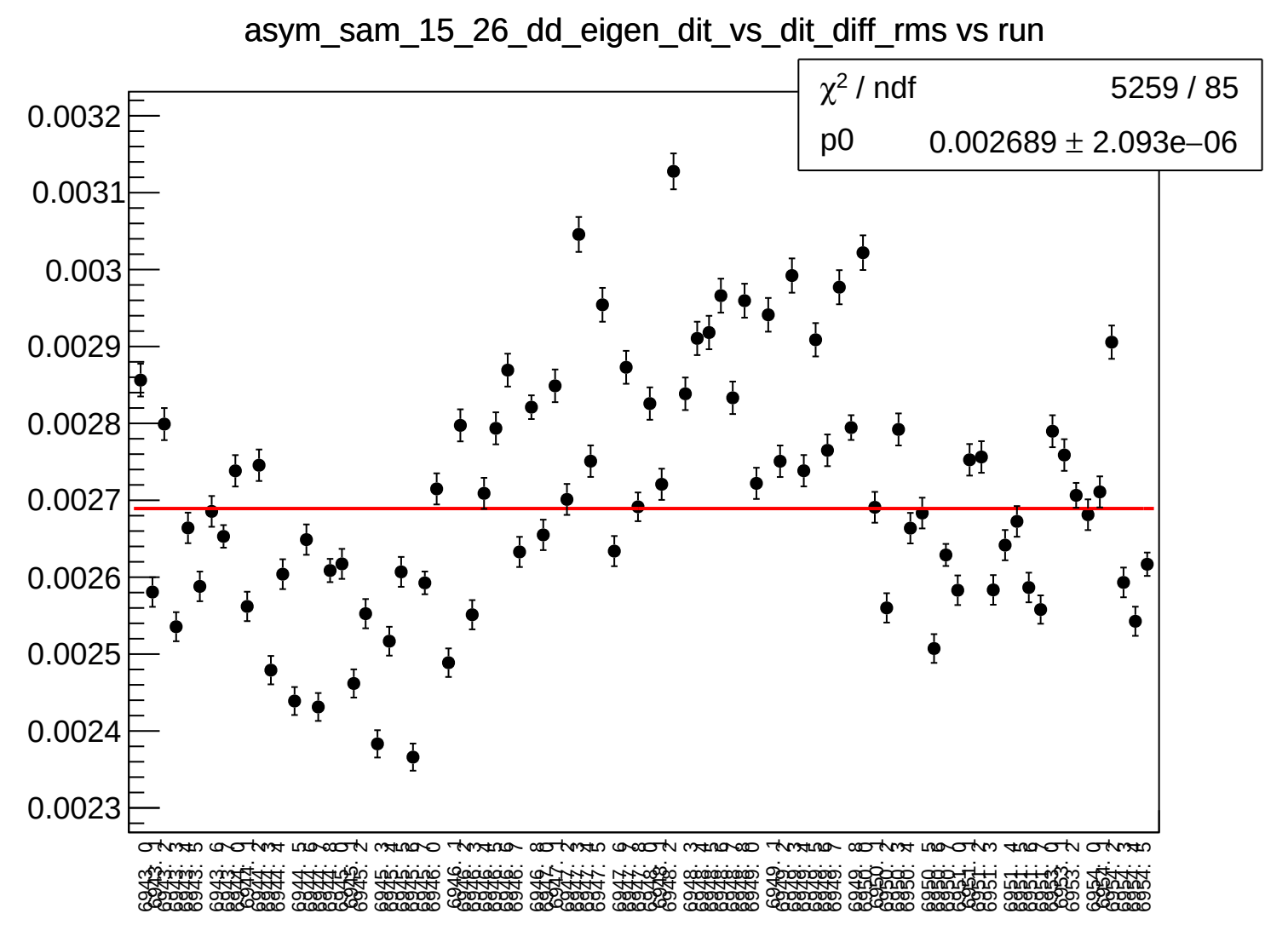

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.64 / 85
p0 −0.03116 ± 0.0393
pull
Entries 86
Mean −6.815
Std Dev 41.85

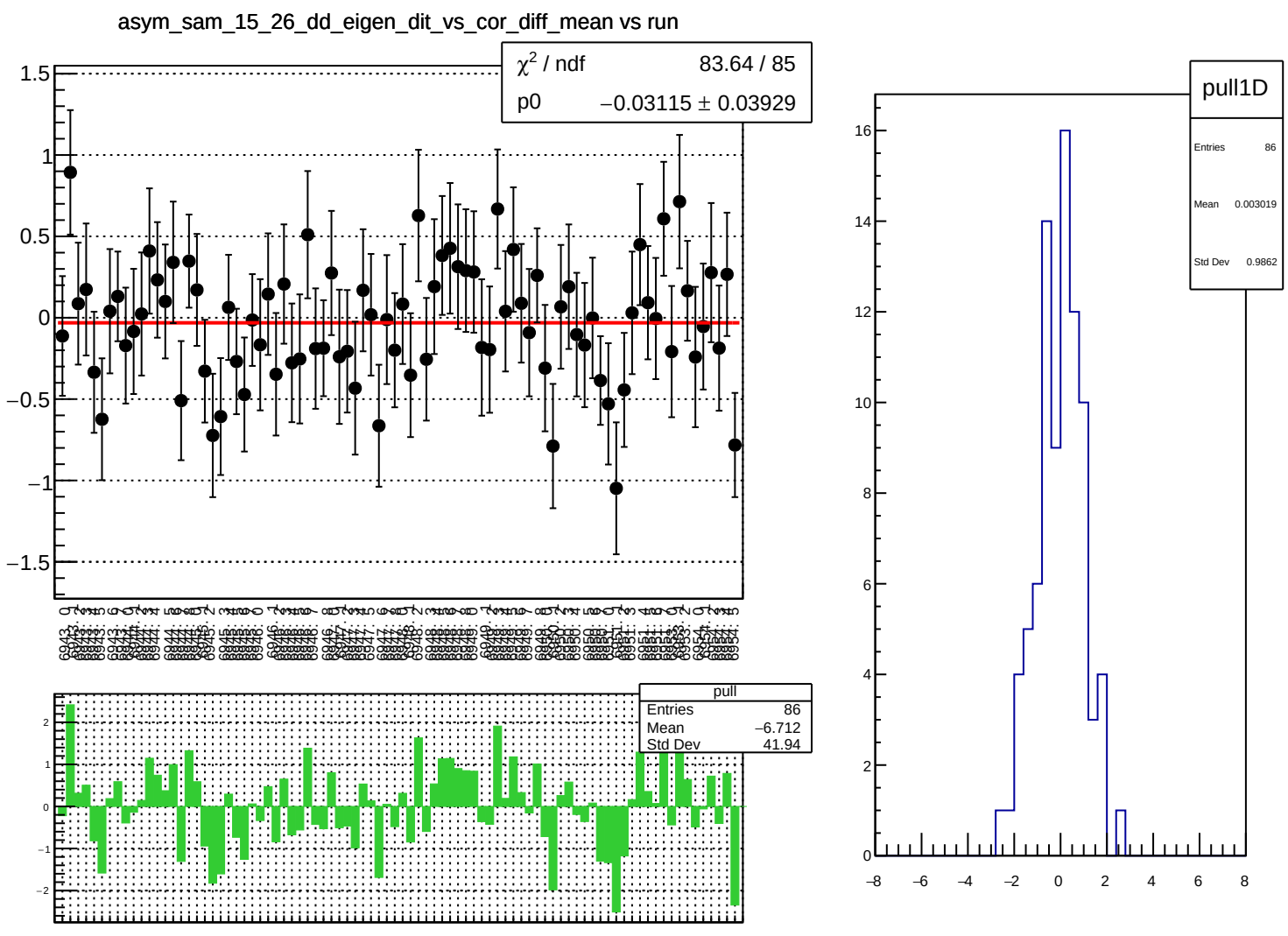

pull1D
Entries 86
Mean 0.003017
Std Dev 0.9862

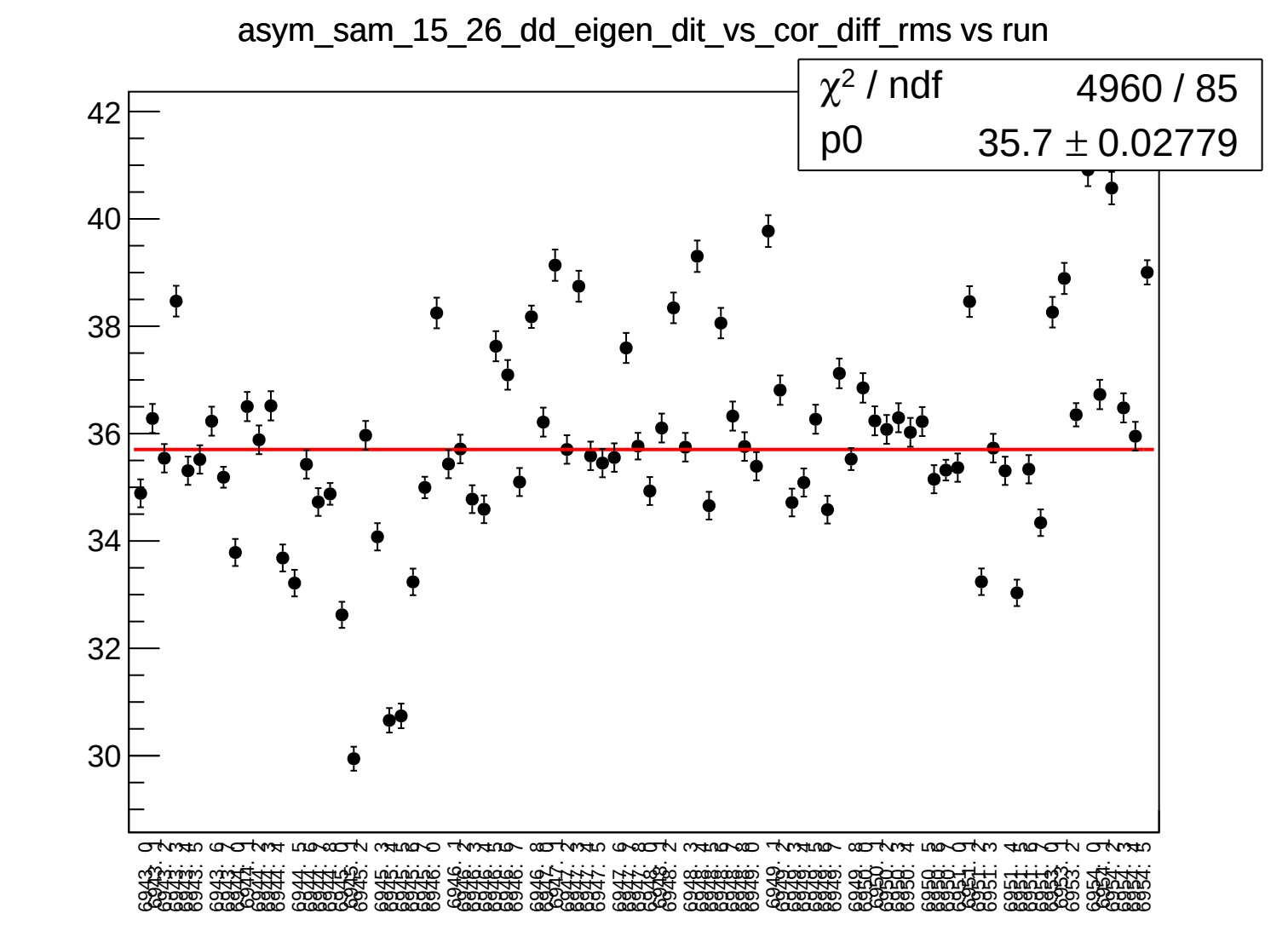

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4961 / 85
p0 35.7 ± 0.02779
42
40
38
36
34
32
30


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.18 / 85
p0 5.79e−06 ± 2.96e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean 247.5
Std Dev 0
2
1
0
−1
−2

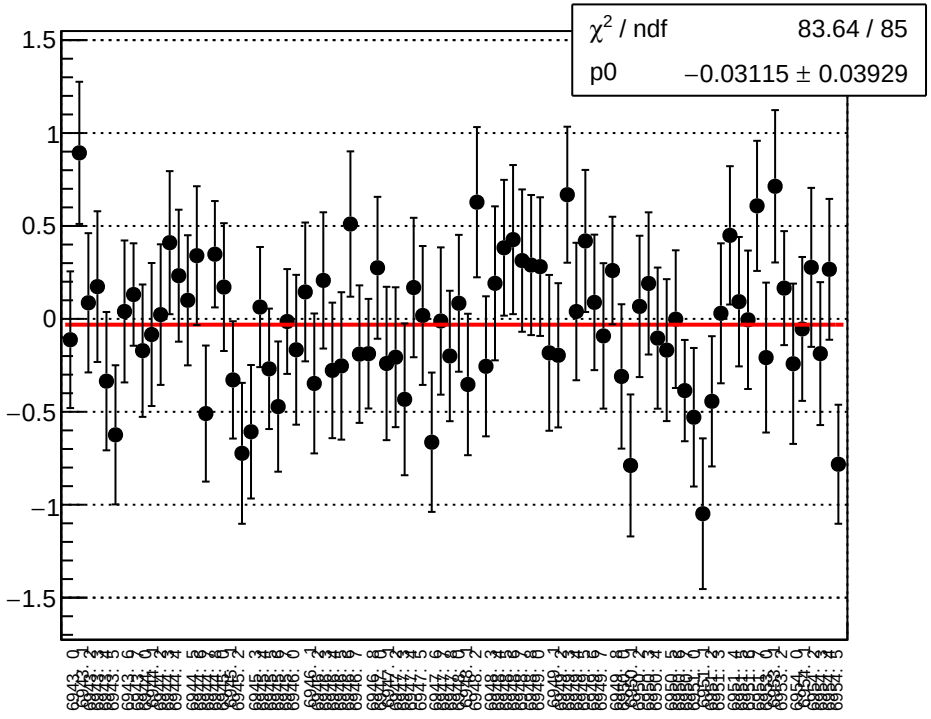

pull1D
Entries 86
Mean 0.01332
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

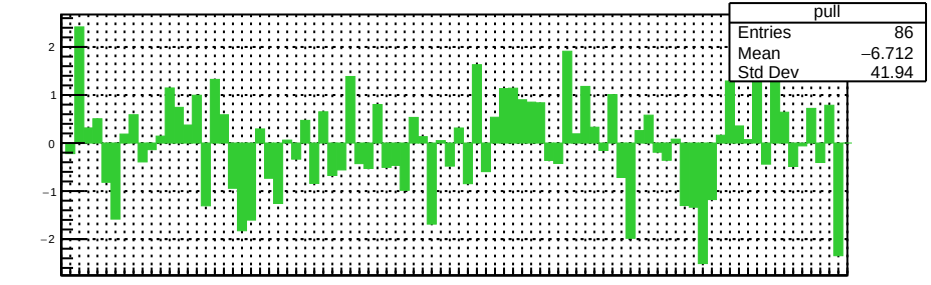

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5259 / 85
p0 0.002689 ± 2.093e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

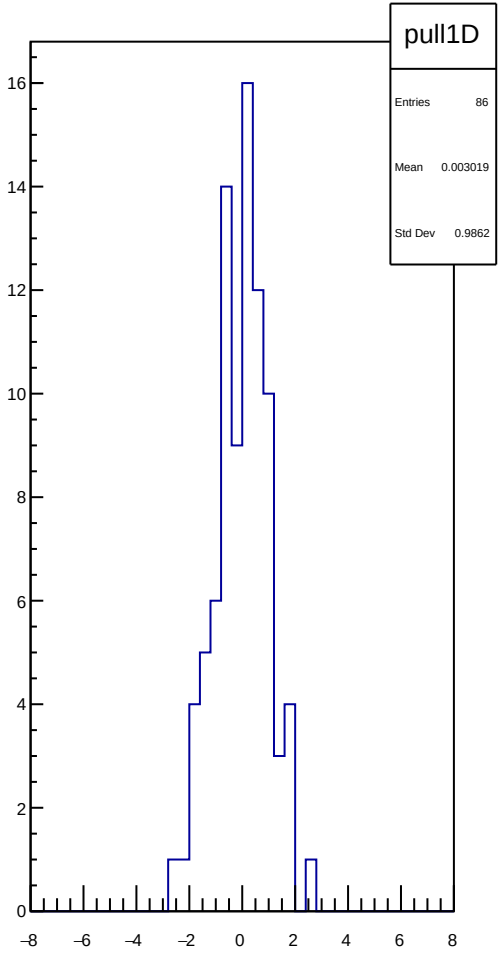

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.64 / 85
p0 −0.03115 ± 0.03929
pull
Entries 86
Mean −6.712
Std Dev 41.94
pull1D
Entries 86
Mean 0.003019
Std Dev 0.9862

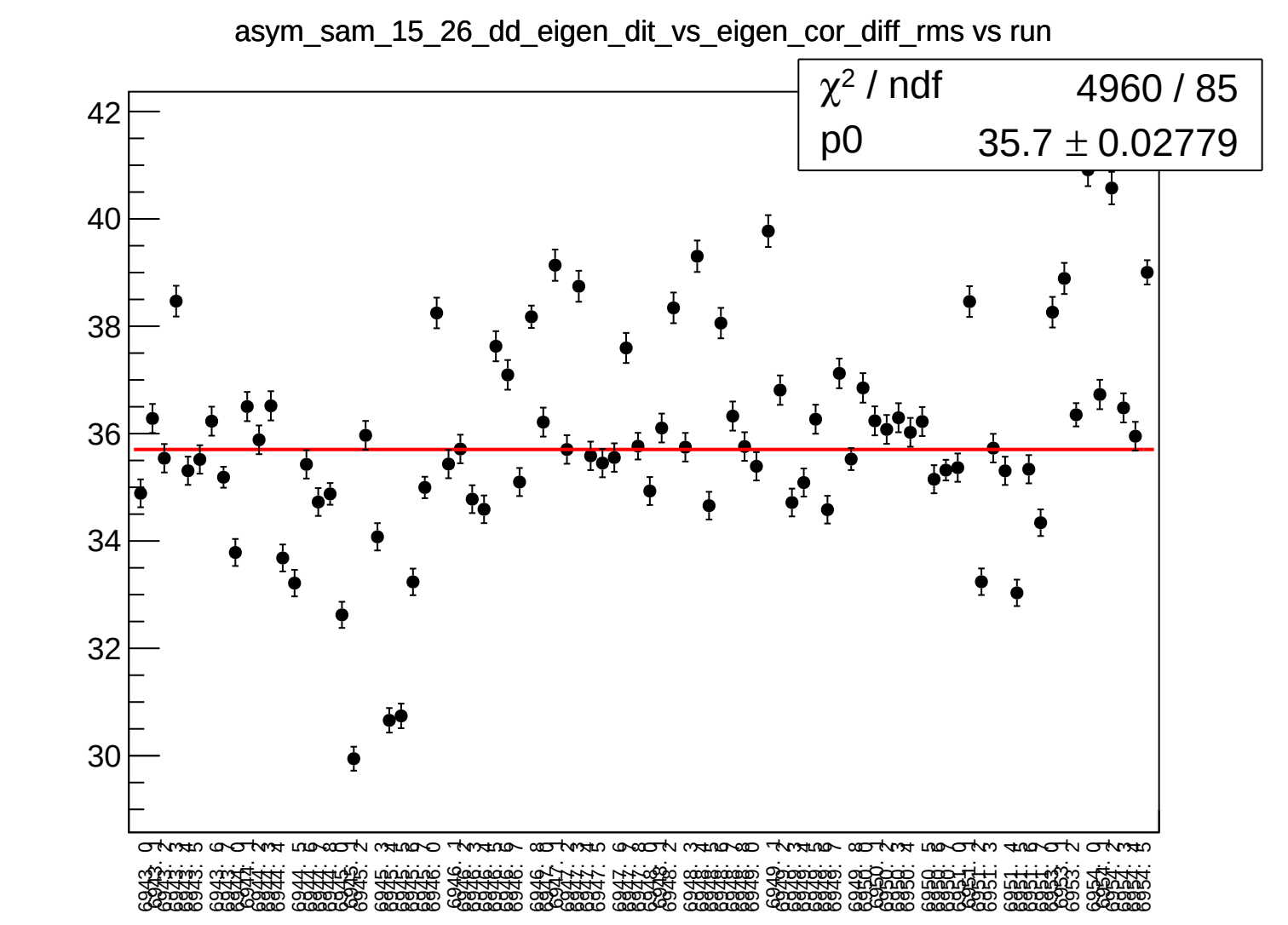

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4960 / 85
p0 35.7 ± 0.02779
42
40
38
36
34
32
30

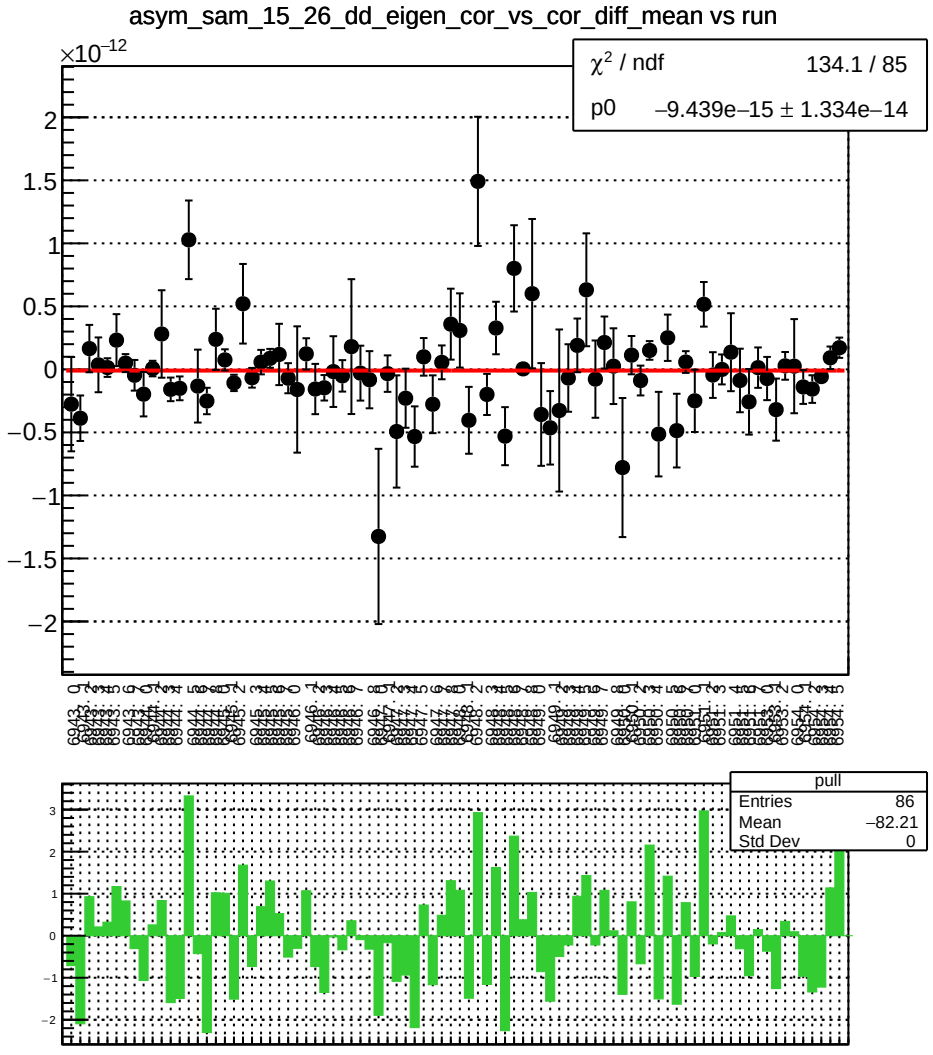
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

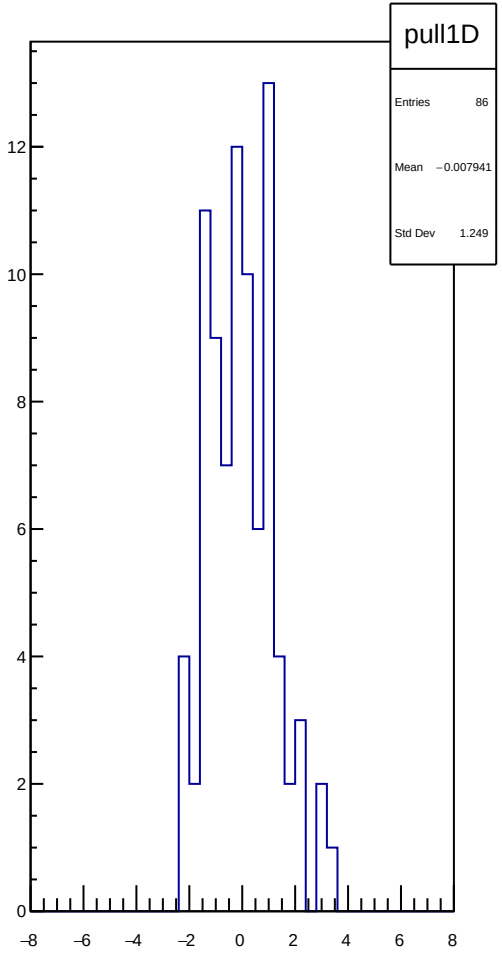


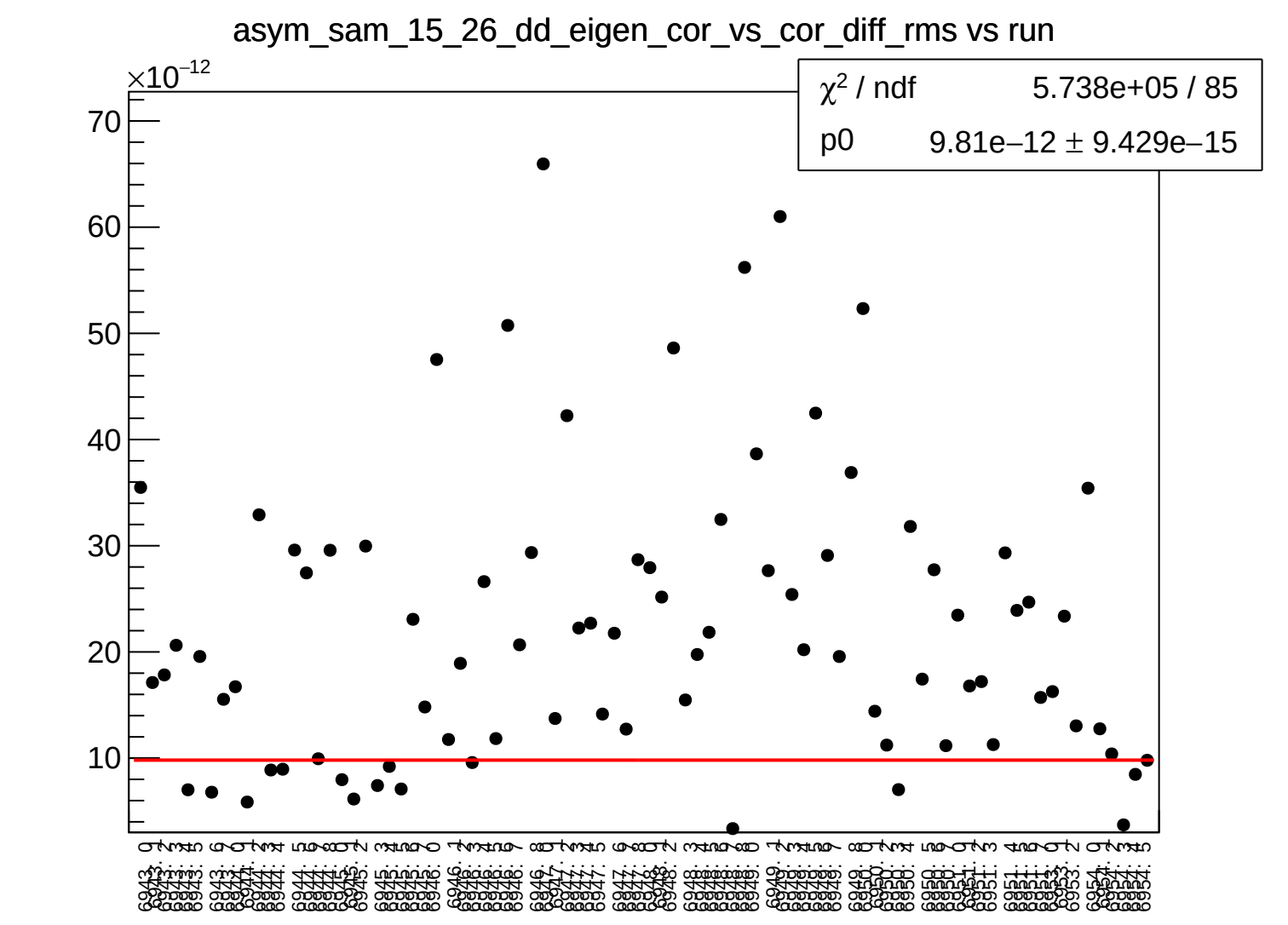


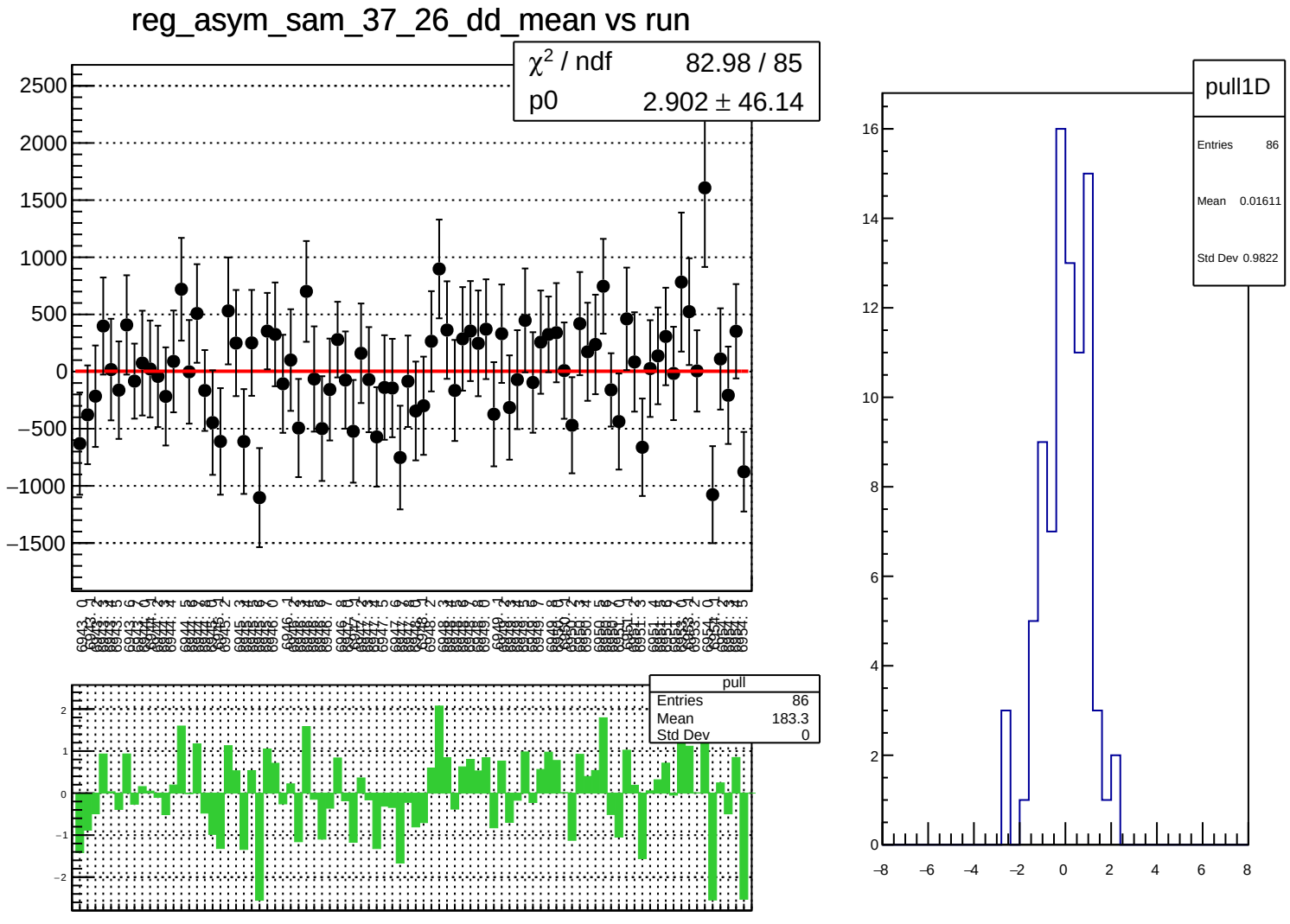


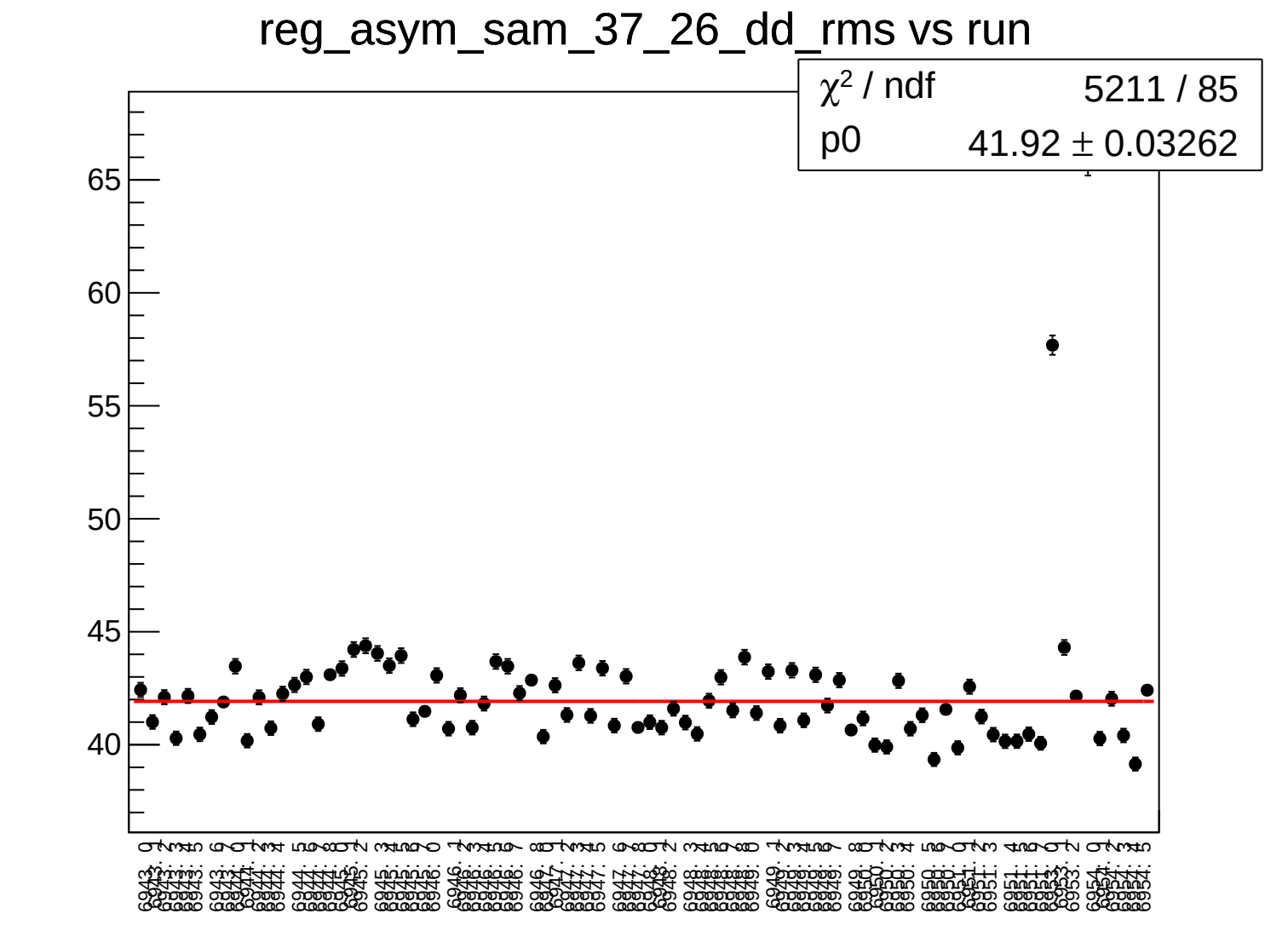

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4960 / 85
p0 35.7 ± 0.02779
42
40
38
36
34
32
30

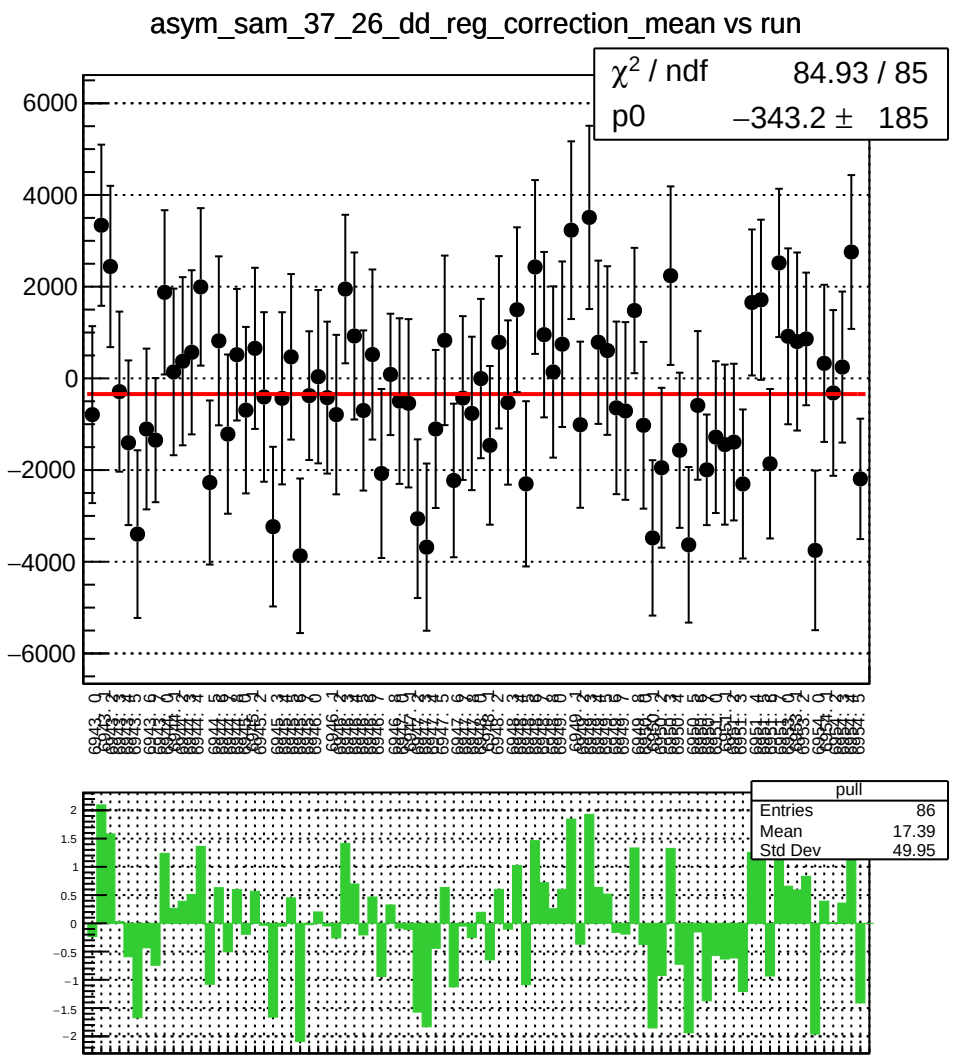

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 134.1 / 85
p0 −9.439e−15 ± 1.334e−14
pull
Entries 86
Mean −82.21
Std Dev 0

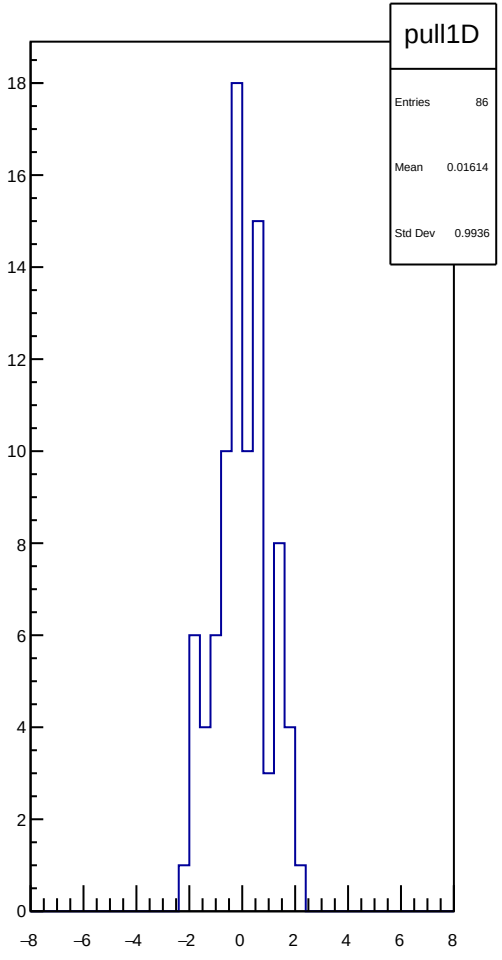

pull1D
Entries 86
Mean −0.007941
Std Dev 1.249

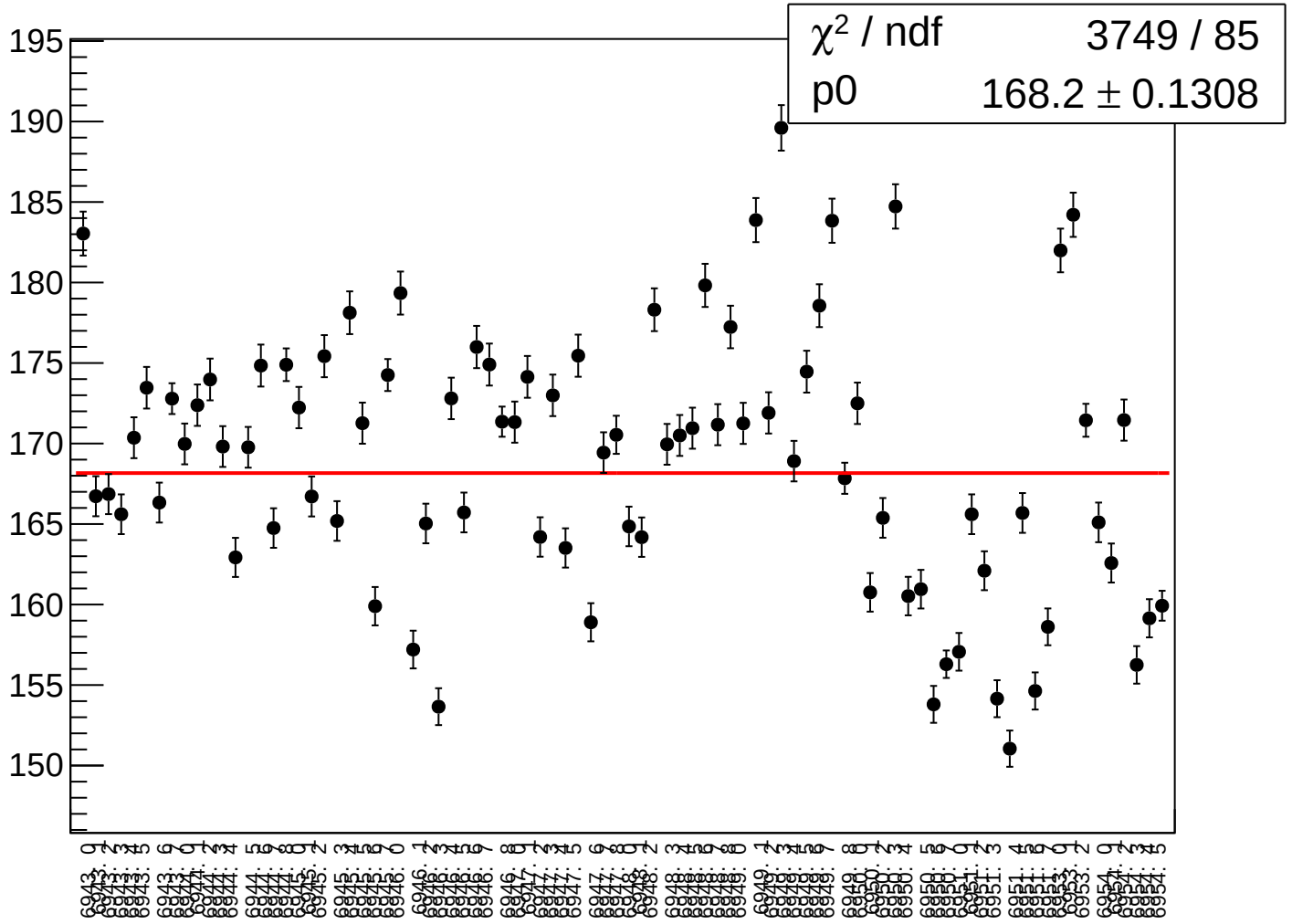

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 5.738e+05 / 85
p0 9.81e−12 ± 9.429e−15

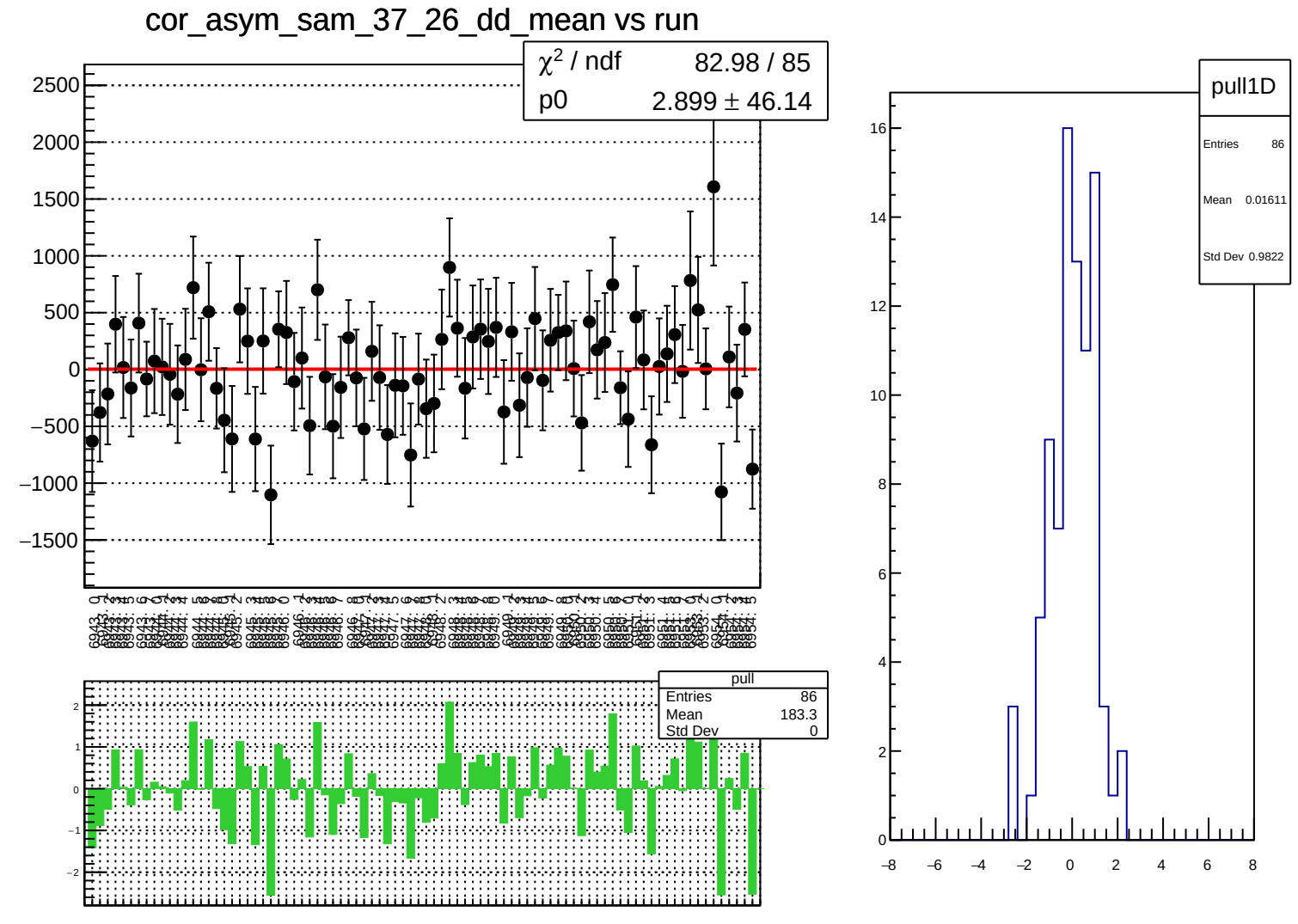

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.98 / 85
p0 2.902 ± 46.14
pull
Entries 86
Mean 183.3
Std Dev 0
pull1D
Entries 86
Mean 0.01611
Std Dev 0.9822

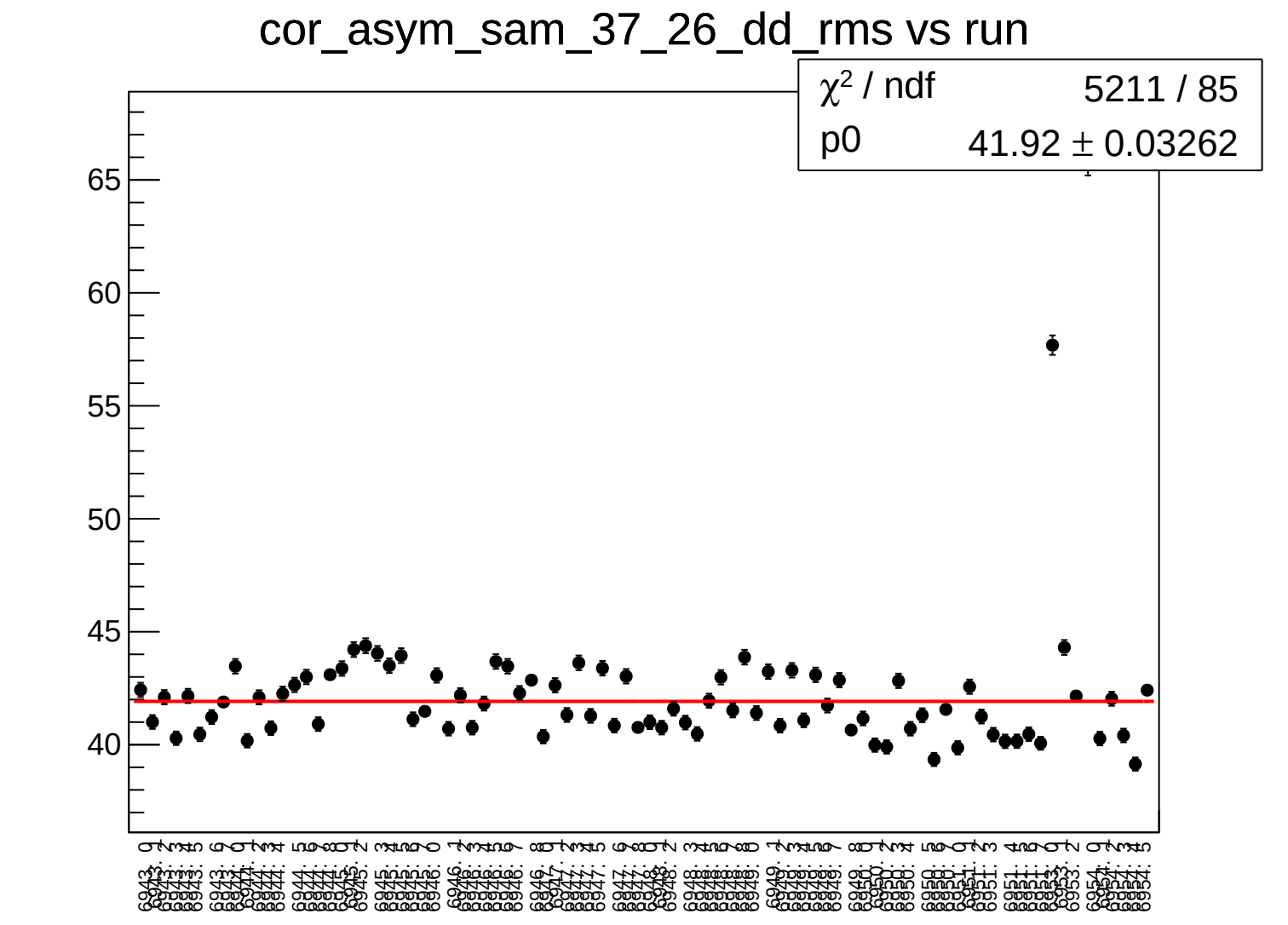

reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5211 / 85
p0 41.92 ± 0.03262
65
60
55
50
45
40

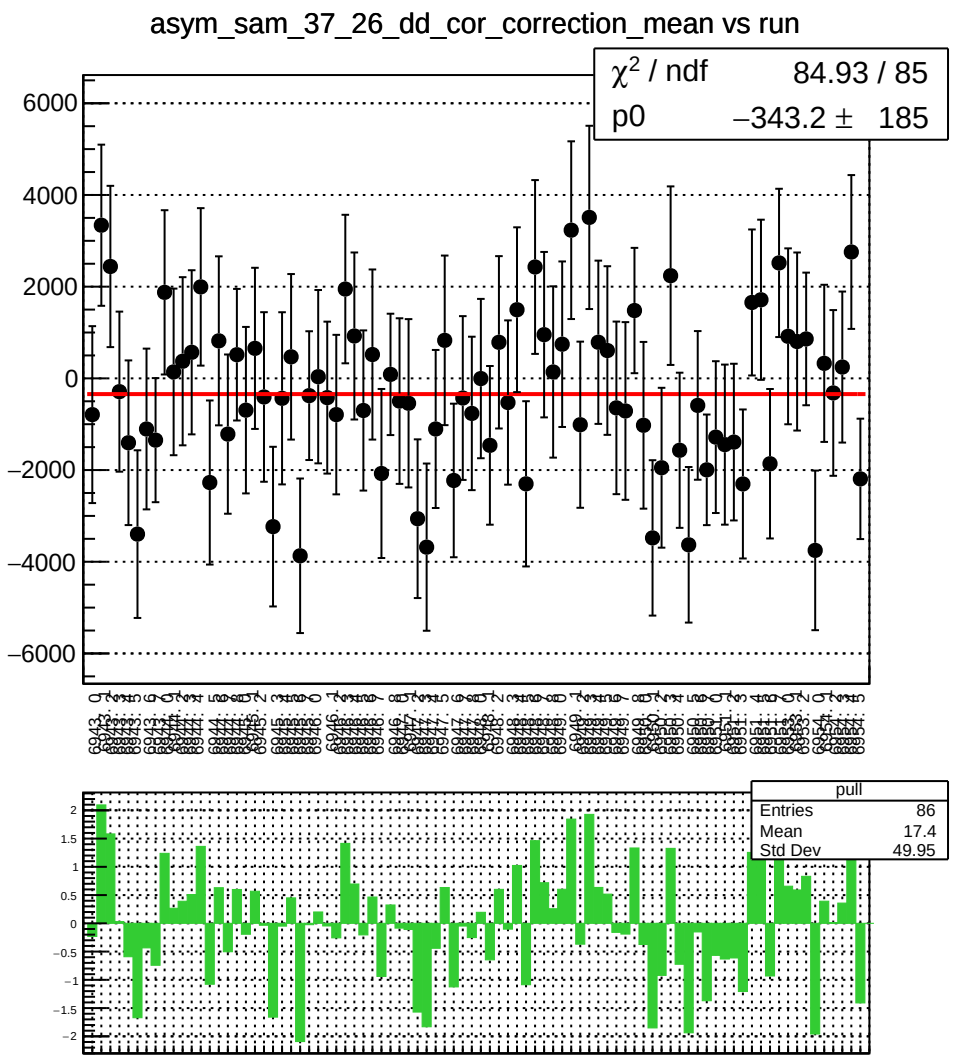

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −343.2 ± 185
pull
Entries 86
Mean 17.39
Std Dev 49.95

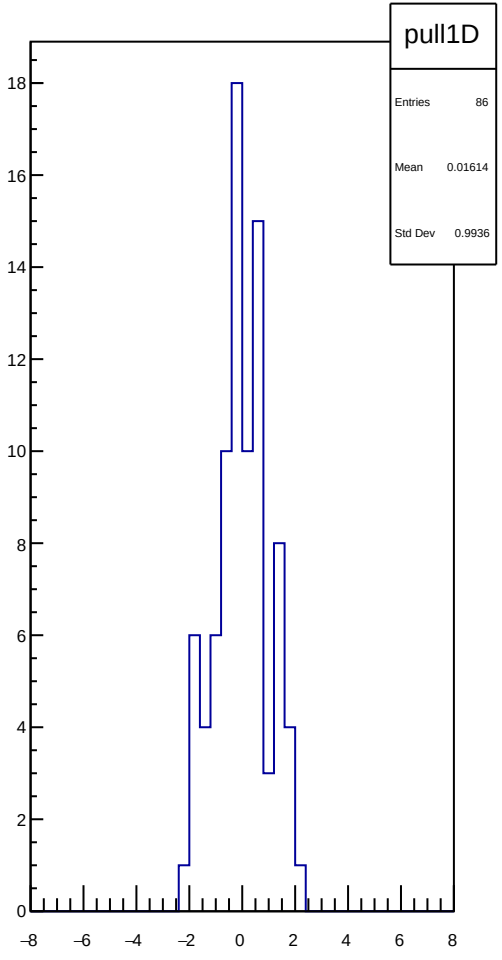

pull1D
Entries 86
Mean 0.01614
Std Dev 0.9936

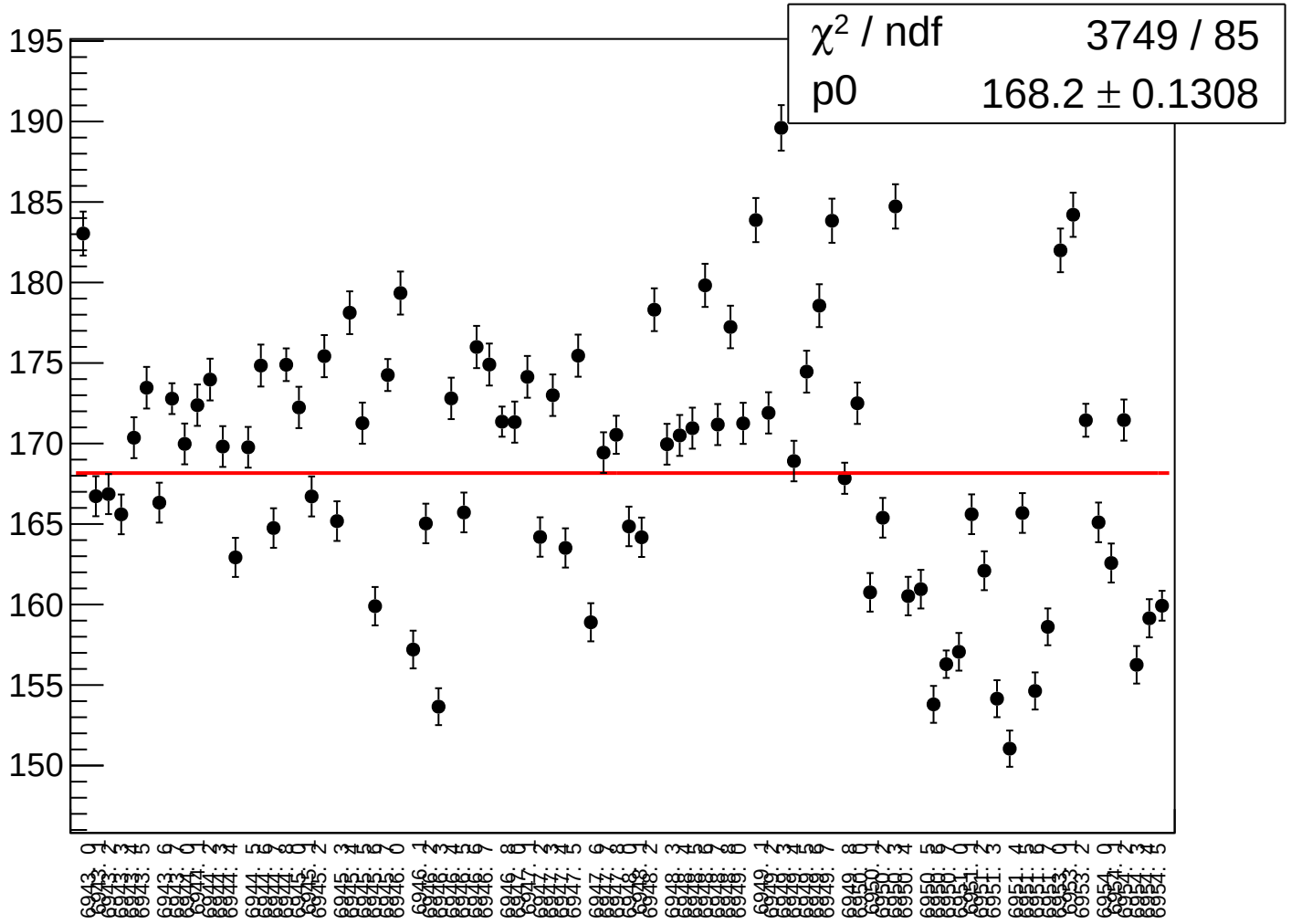

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 3749 / 85
p0 168.2 ± 0.1308
195
190
185
180
175
170
165
160
155
150

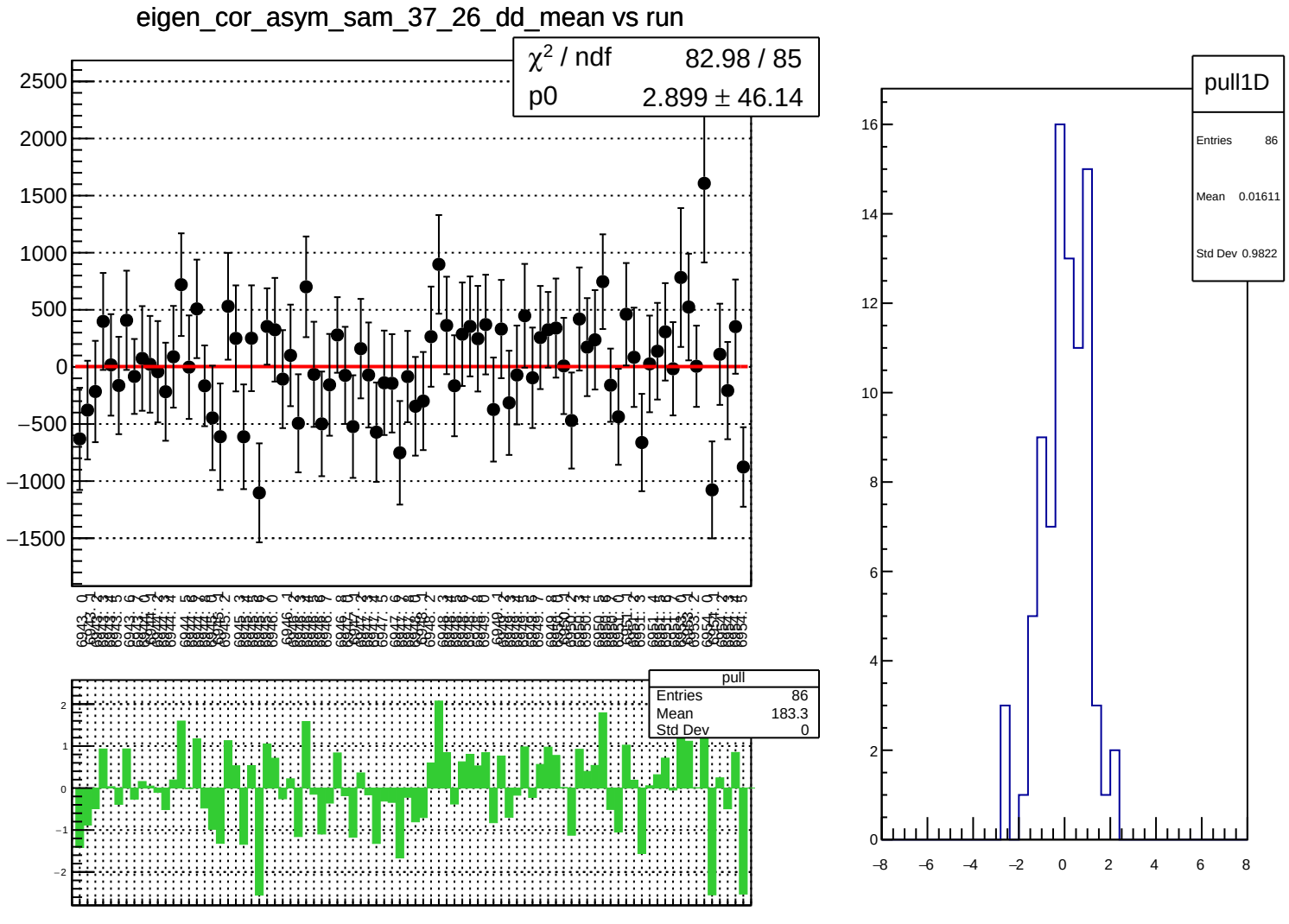

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.98 / 85
p0 2.899 ± 46.14
pull
Entries 86
Mean 183.3
Std Dev 0
pull1D
Entries 86
Mean 0.01611
Std Dev 0.9822

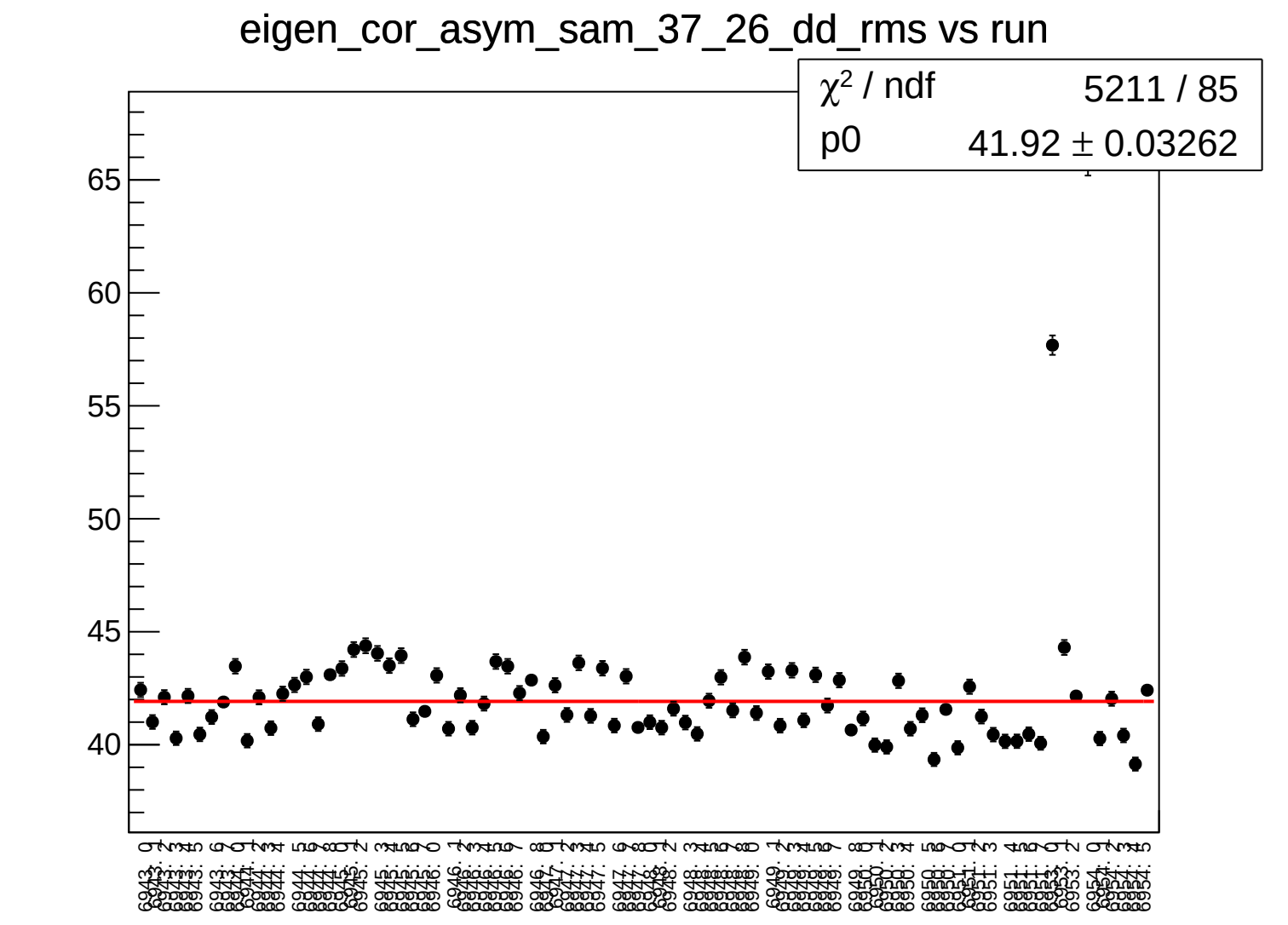

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5211 / 85
p0 41.92 ± 0.03262
65
60
55
50
45
40

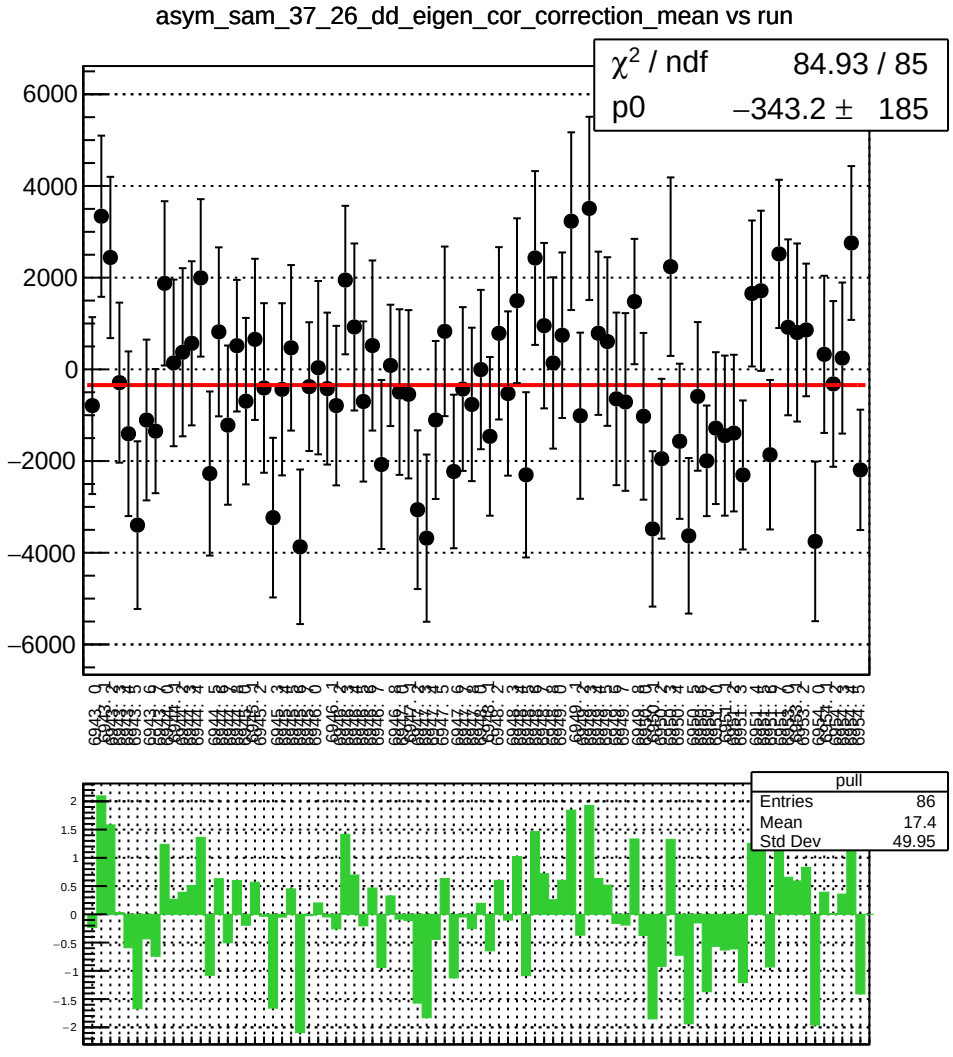

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −343.2 ± 185
pull
Entries 86
Mean 17.4
Std Dev 49.95

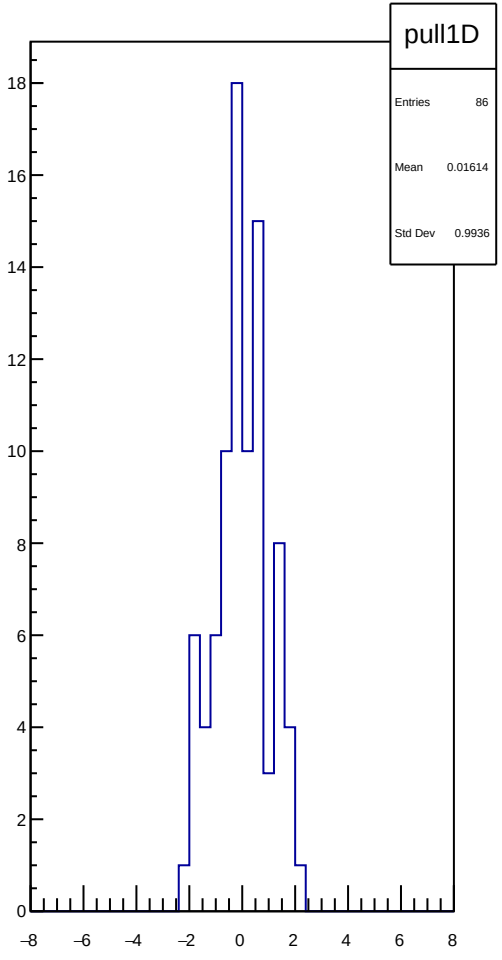

pull1D
Entries 86
Mean 0.01614
Std Dev 0.9936

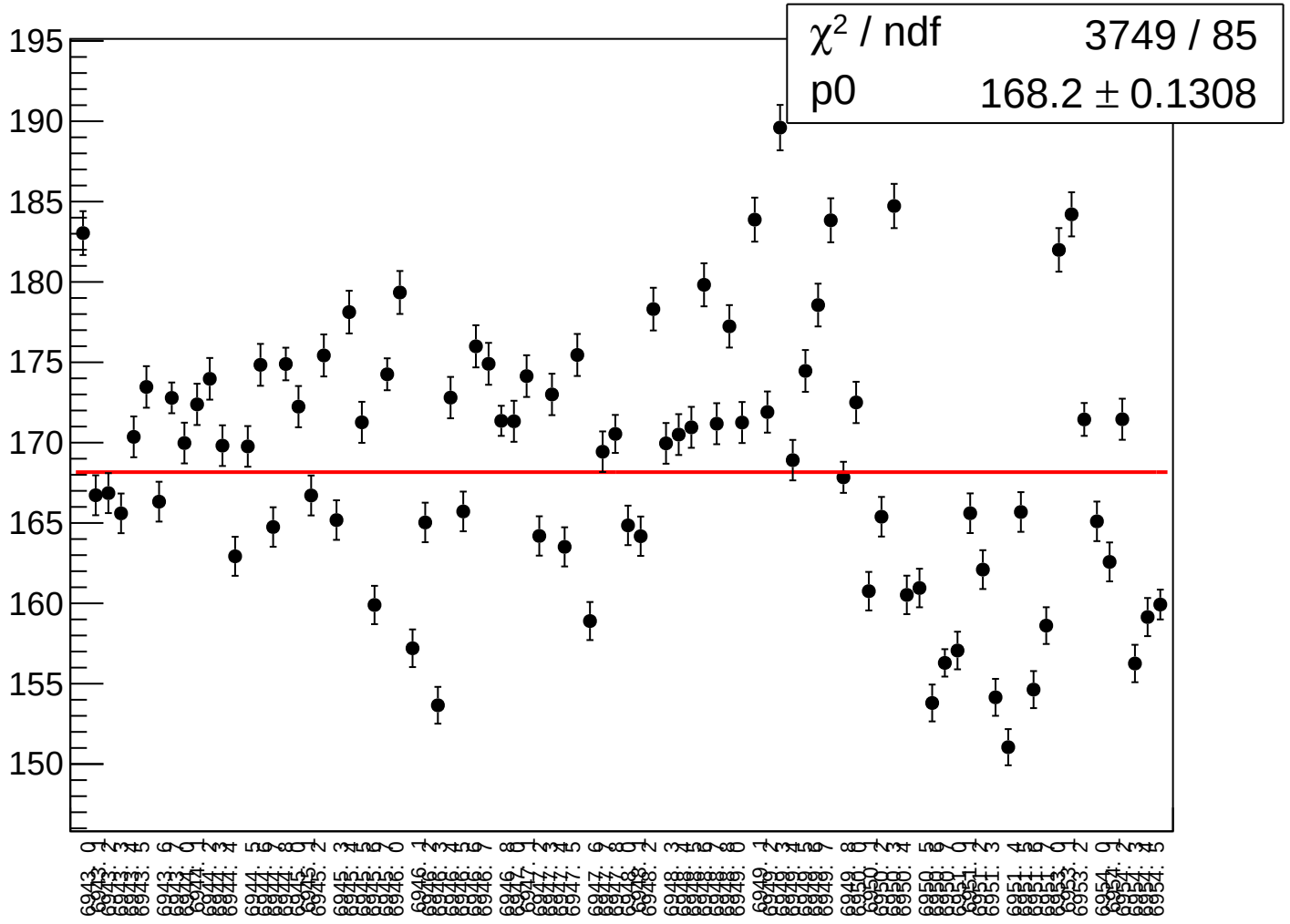

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 3749 / 85
p0 168.2 ± 0.1308
195
190
185
180
175
170
165
160
155
150

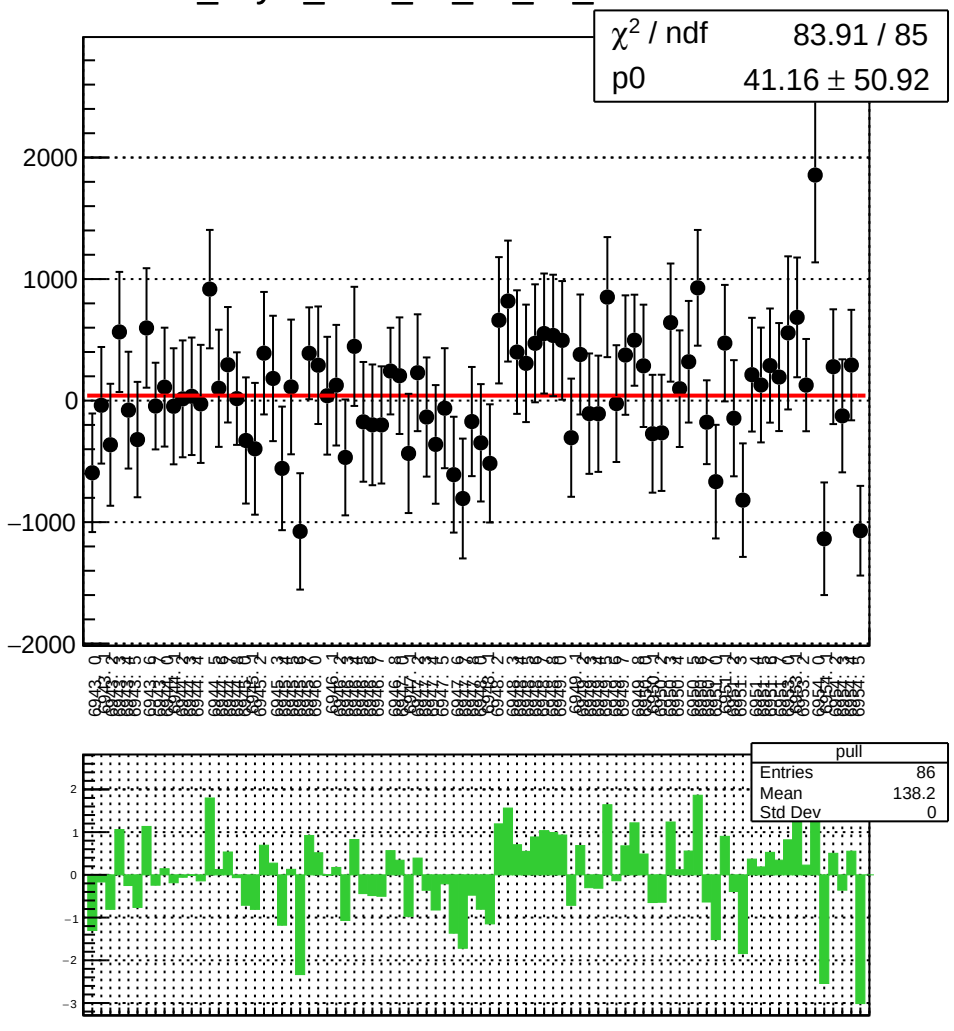

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.98 / 85
p0 2.899 ± 46.14
pull
Entries 86
Mean 183.3
Std Dev 0
pull1D
Entries 86
Mean 0.01611
Std Dev 0.9822

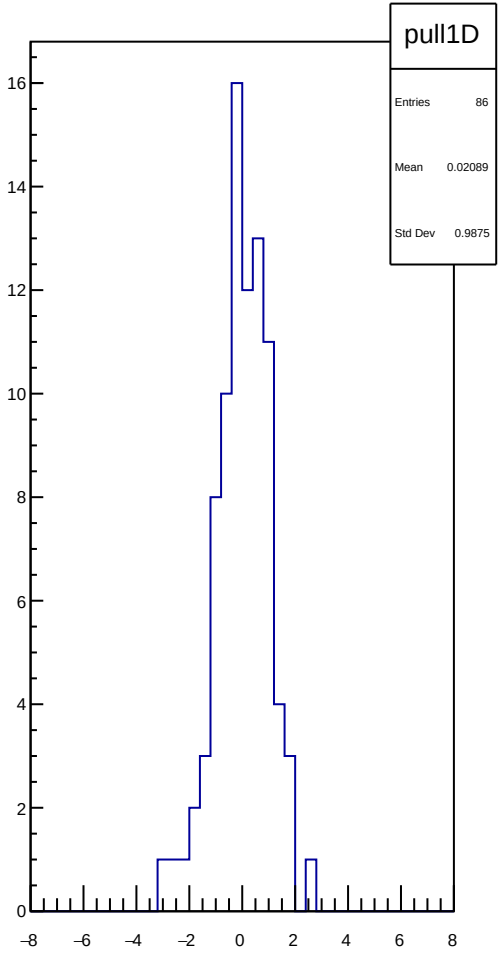

eigen_cor_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5211 / 85
p0 41.92 ± 0.03262
65
60
55
50
45
40

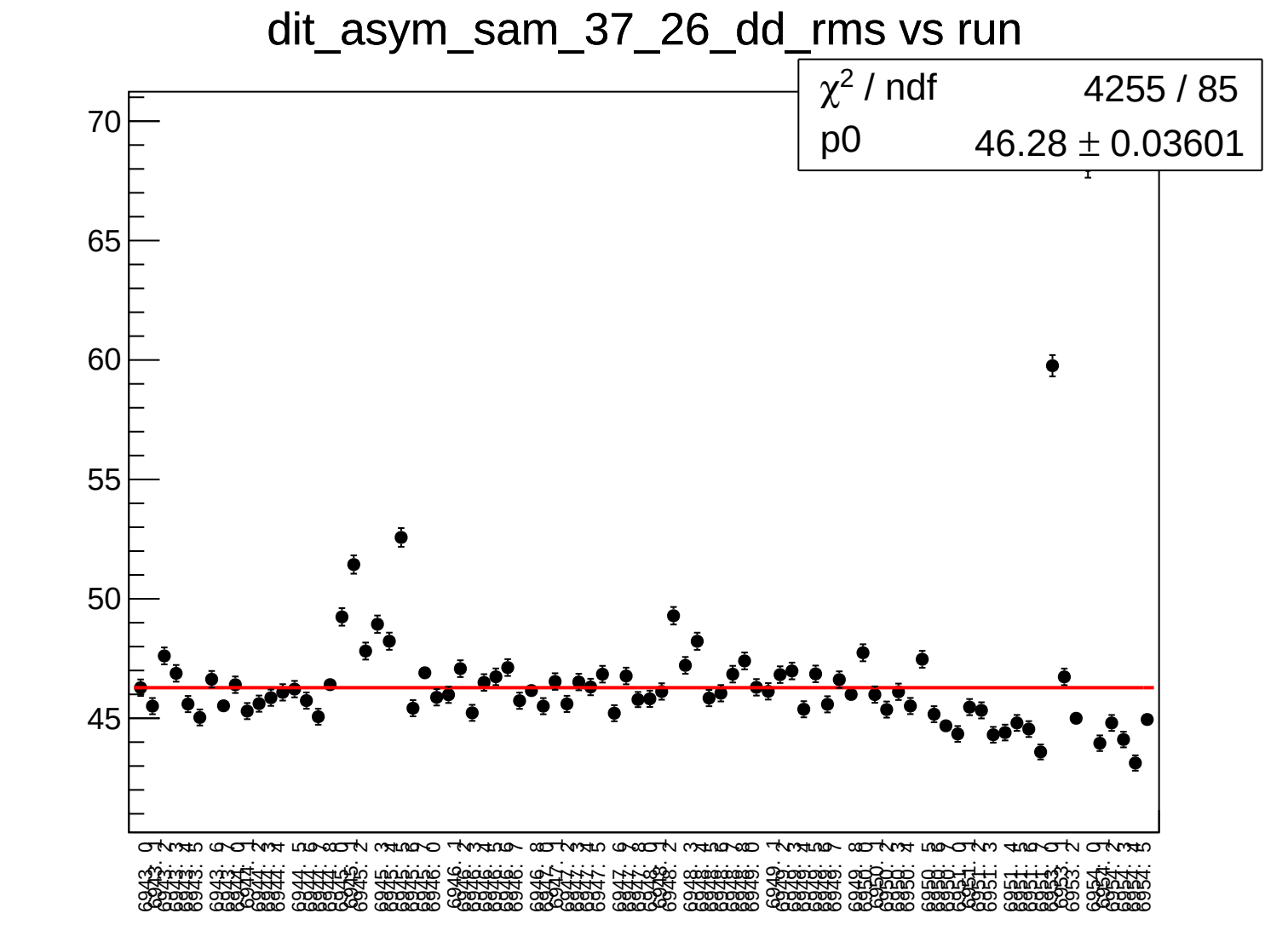

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.93 / 85
p0 −343.2 ± 185
pull
Entries 86
Mean 17.4
Std Dev 49.95

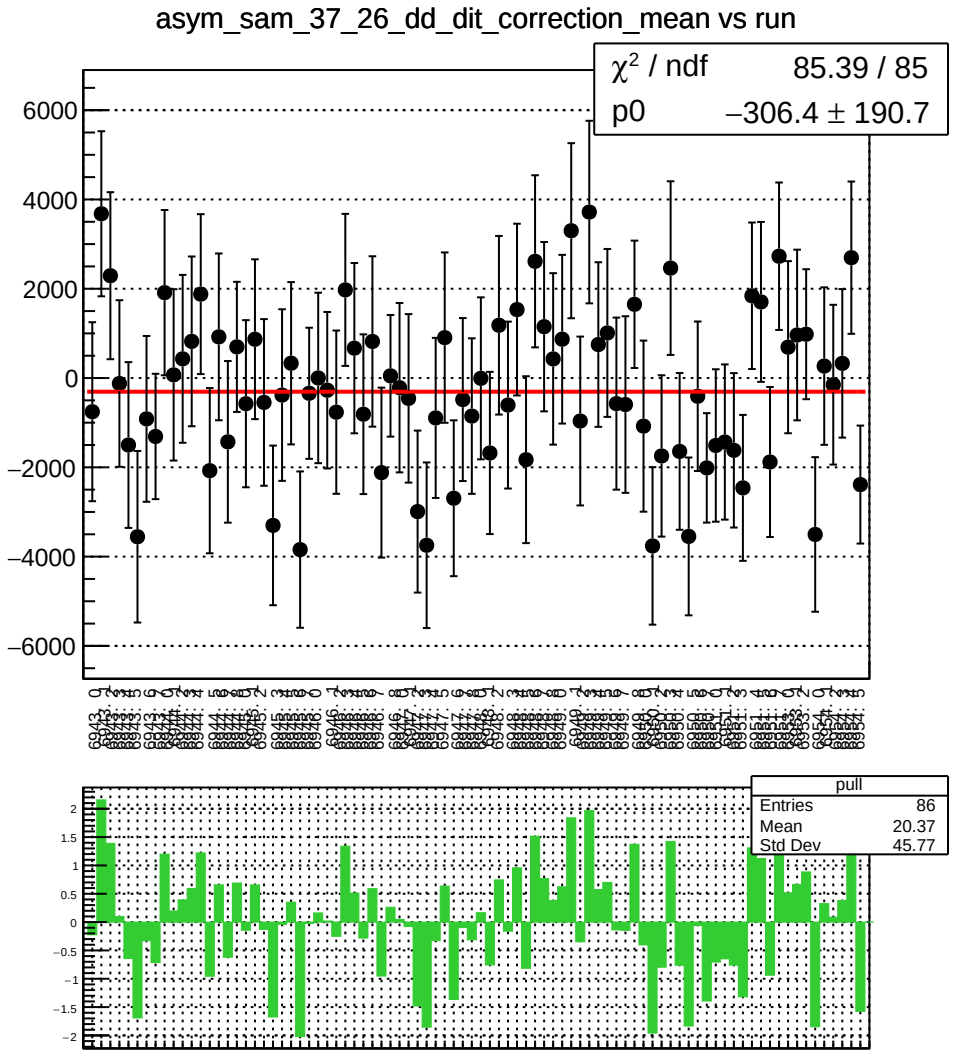

pull1D
Entries 86
Mean 0.01614
Std Dev 0.9936

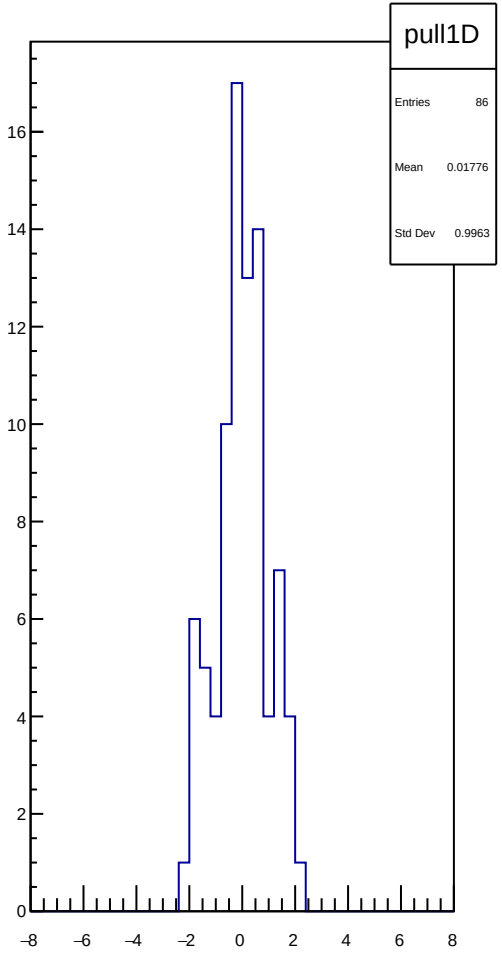

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3749 / 85
p0 168.2 ± 0.1308
195
190
185
180
175
170
165
160
155
150

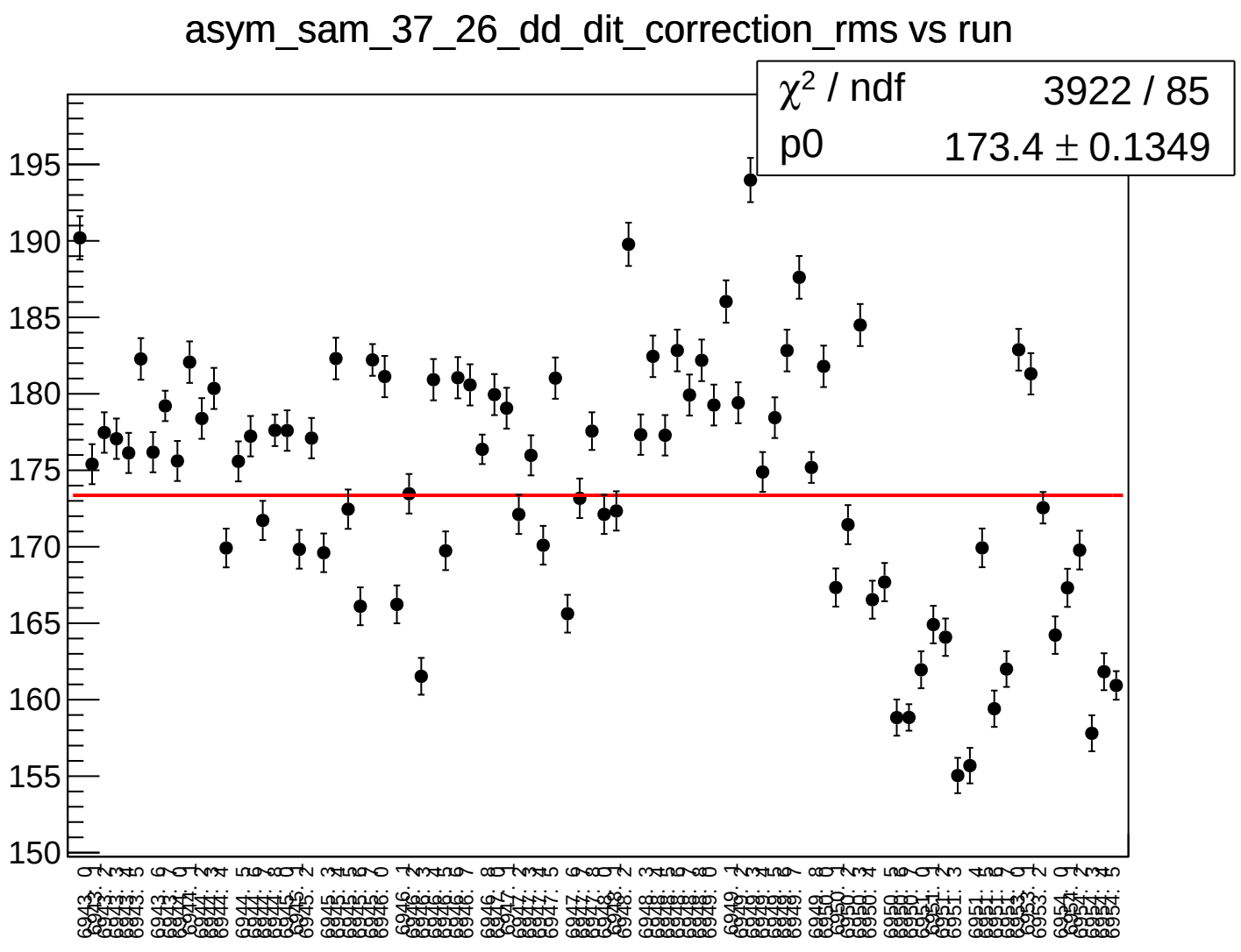

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 83.91 / 85
p0 41.16 ± 50.92
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 138.2
Std Dev 0
2
1
0
−1
−2
−3

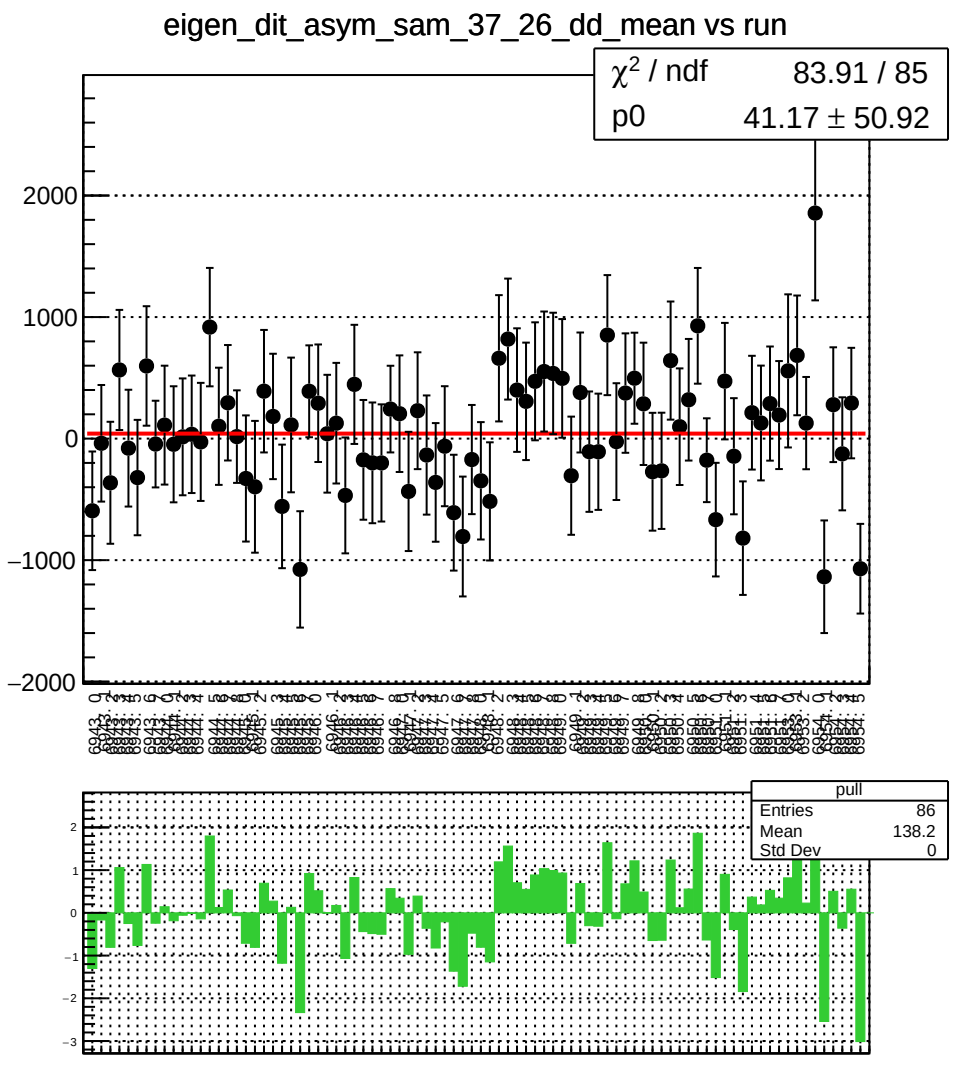

pull1D
Entries 86
Mean 0.02089
Std Dev 0.9875
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

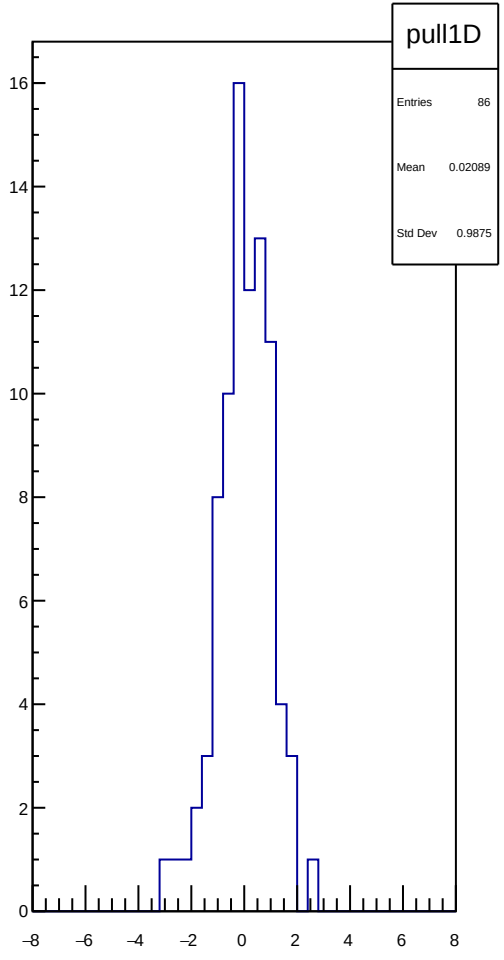

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 4255 / 85
p0 46.28 ± 0.03601
70
65
60
55
50
45

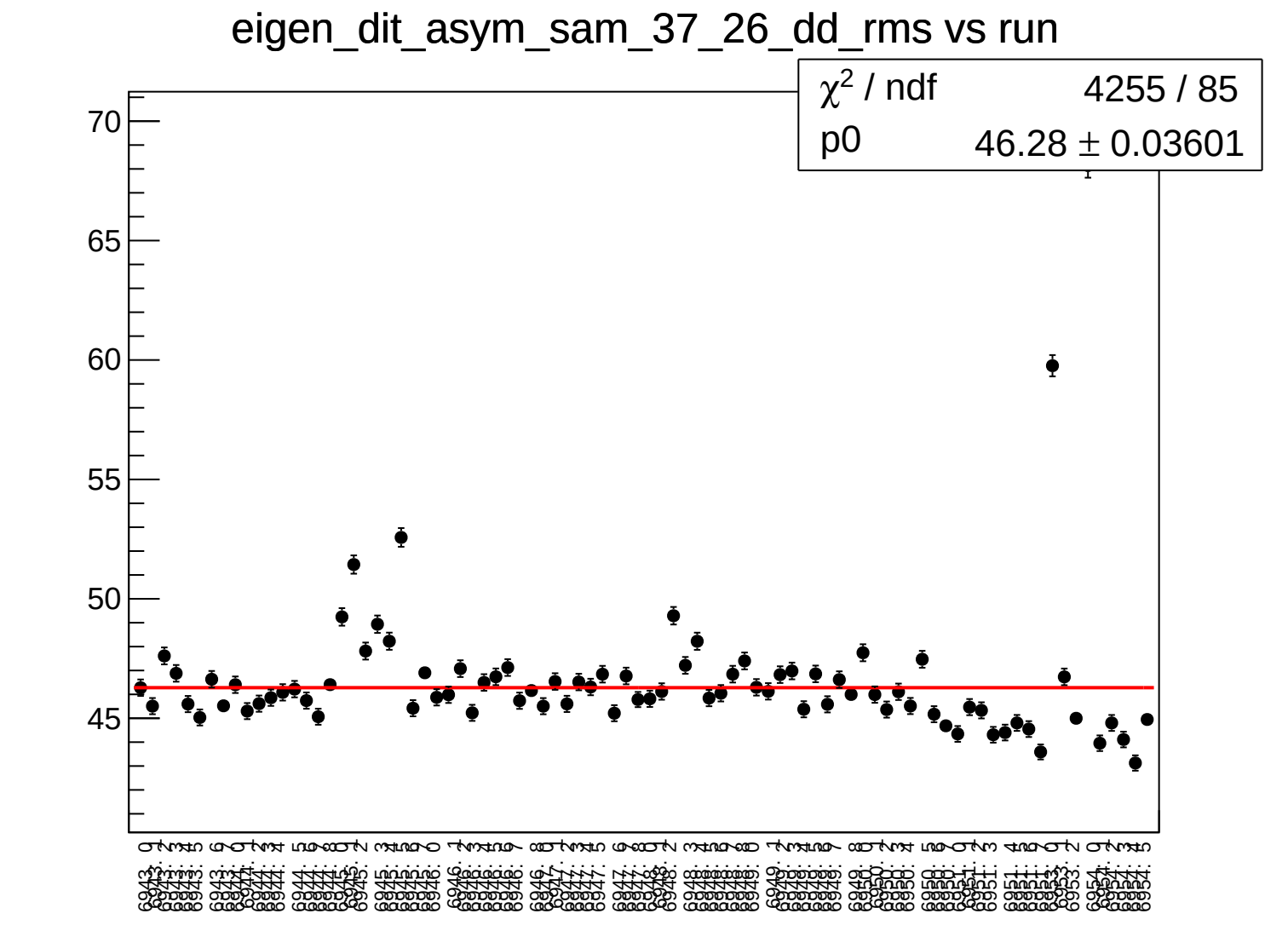

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 85.39 / 85
p0 −306.4 ± 190.7
pull
Entries 86
Mean 20.37
Std Dev 45.77

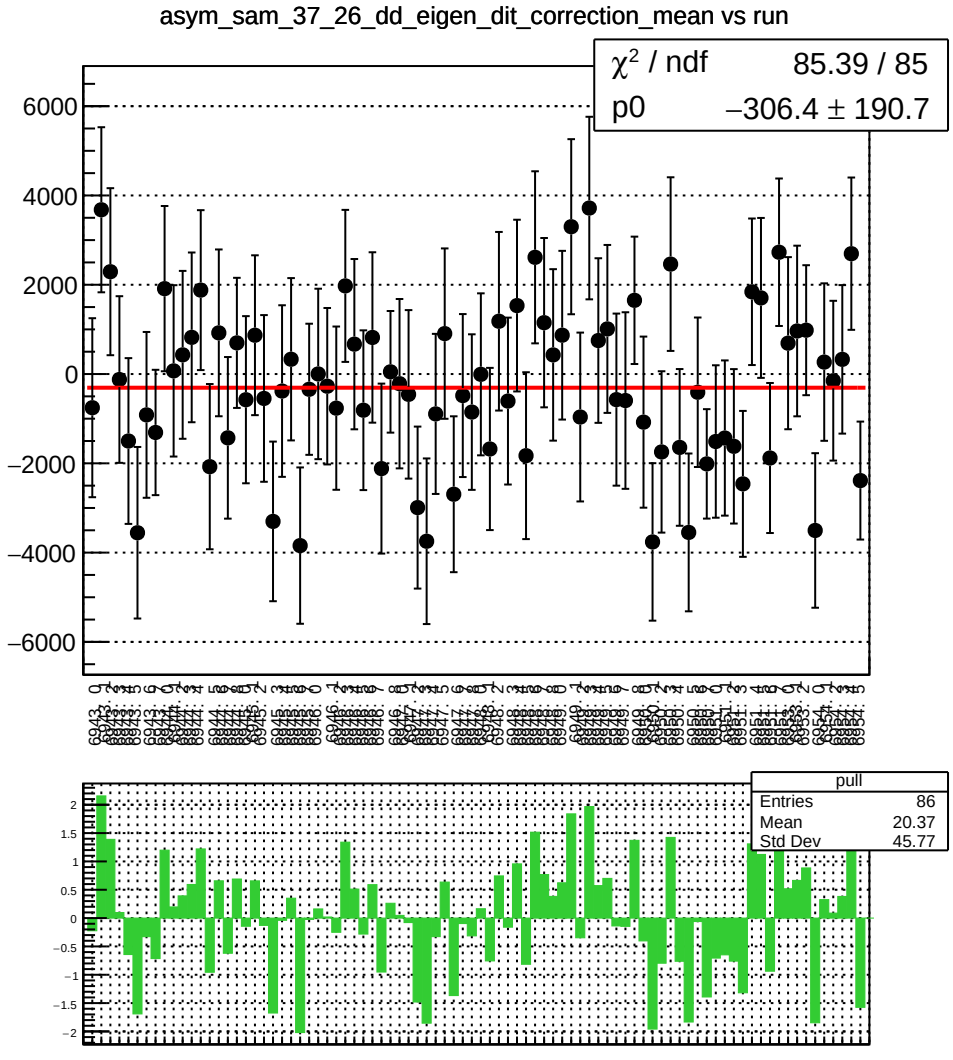

pull1D
Entries 86
Mean 0.01776
Std Dev 0.9963

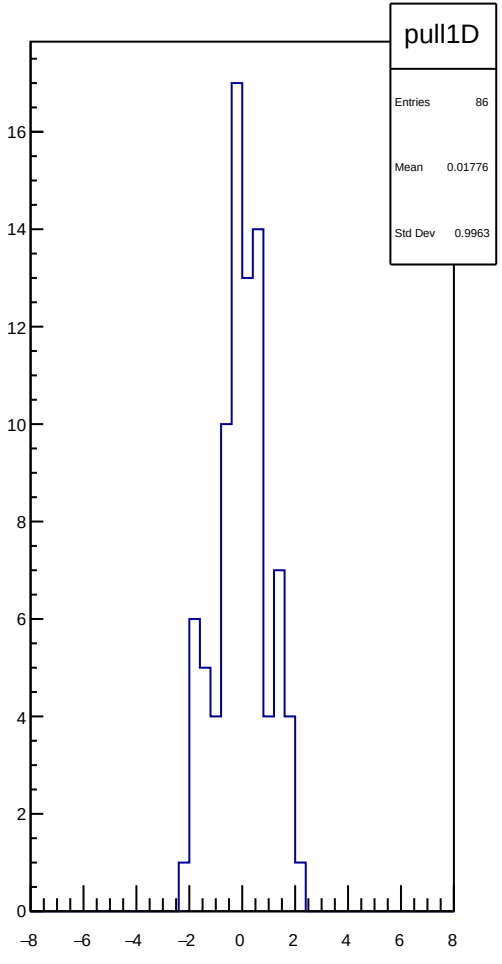

asym_sam_37_26_dd_dit_correction_rms vs run
χ^2 / ndf 3922 / 85
p0 173.4 ± 0.1349
195
190
185
180
175
170
165
160
155
150

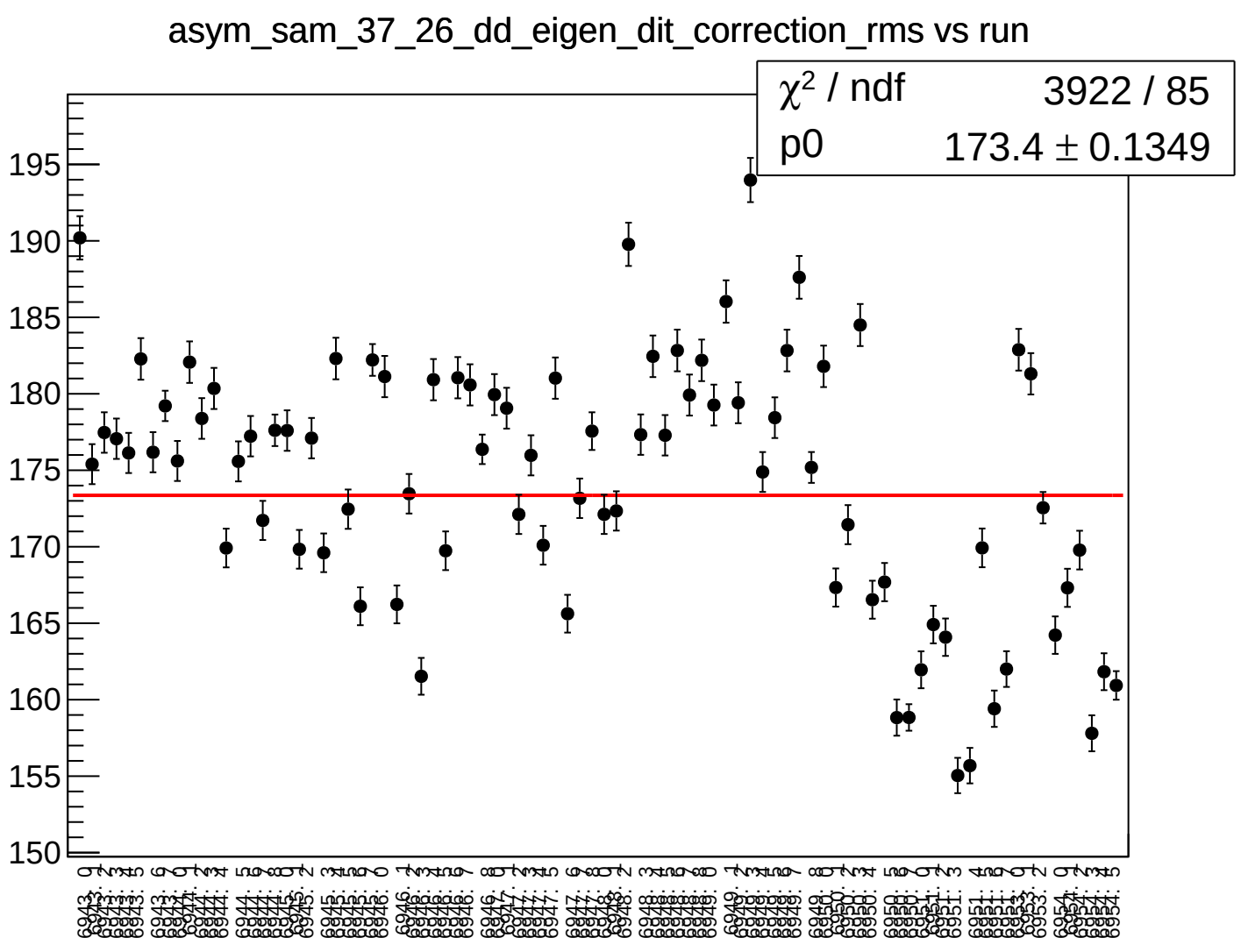

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 83.91 / 85
p0 41.17 ± 50.92
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 138.2
Std Dev 0
2
1
0
−1
−2
−3

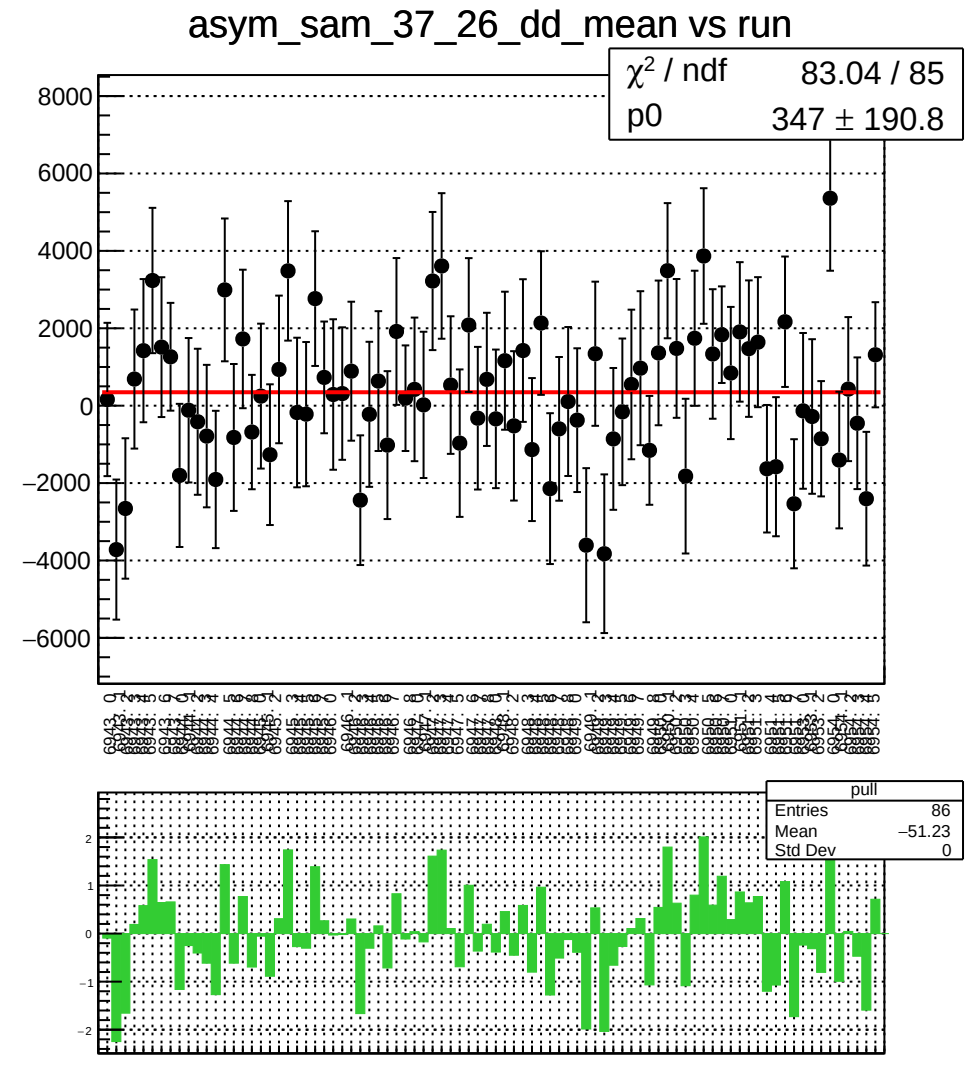

pull1D
Entries 86
Mean 0.02089
Std Dev 0.9875
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

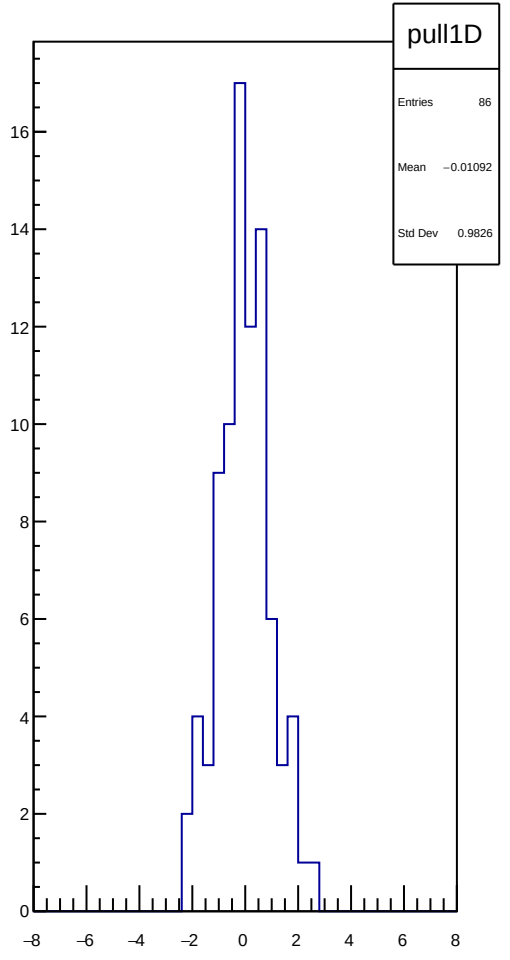

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 4255 / 85
p0 46.28 ± 0.03601
70
65
60
55
50
45

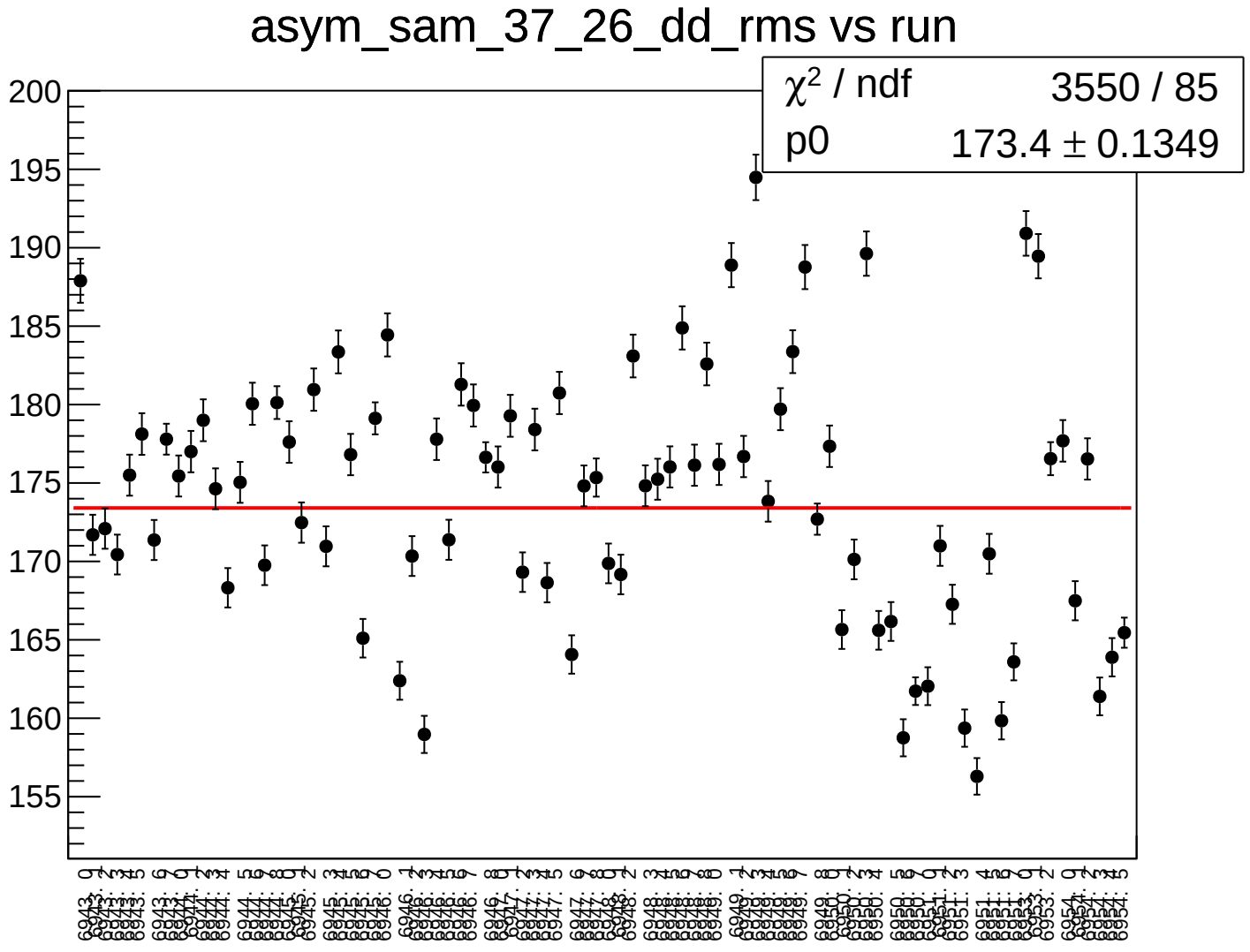

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.39 / 85
p0 −306.4 ± 190.7
pull
Entries 86
Mean 20.37
Std Dev 45.77

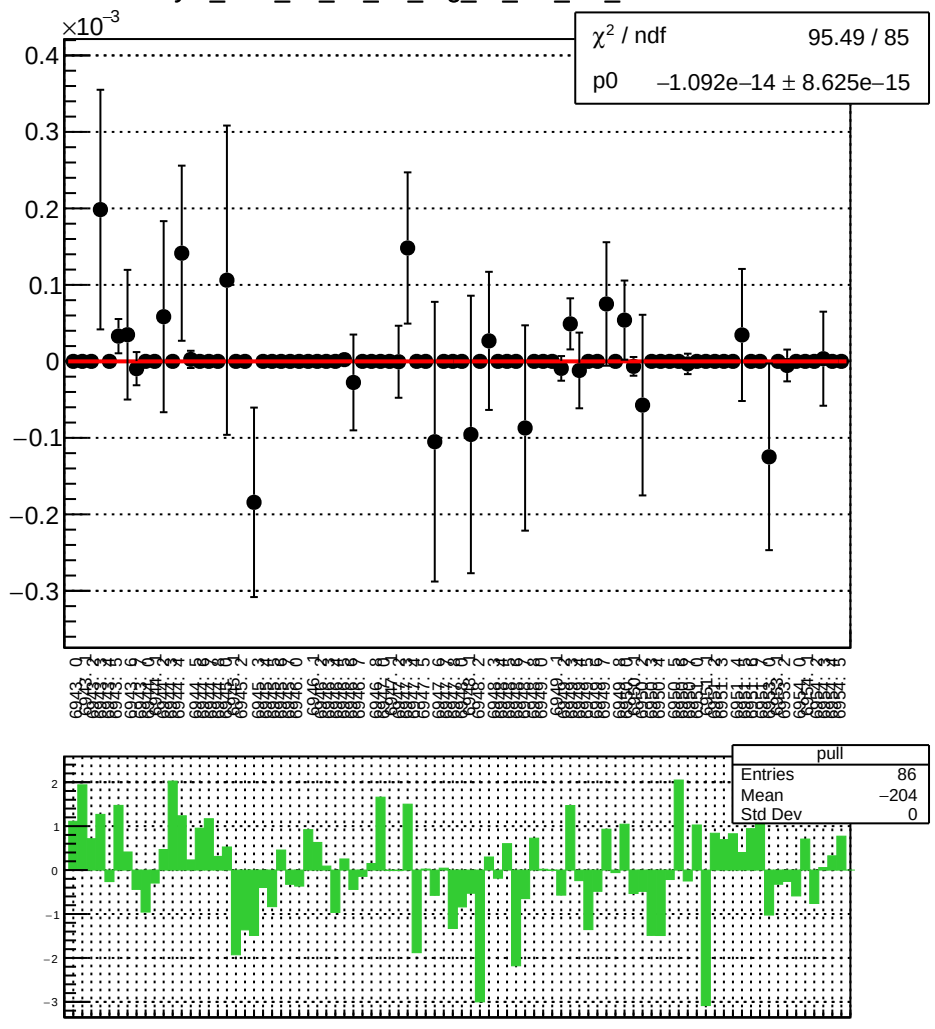

pull1D
Entries 86
Mean 0.01776
Std Dev 0.9963

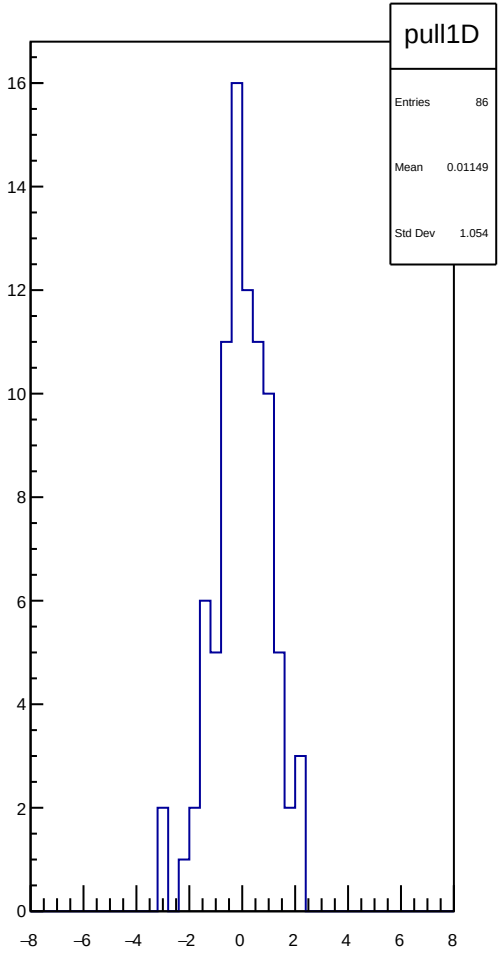

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3922 / 85
p0 173.4 ± 0.1349
195
190
185
180
175
170
165
160
155
150

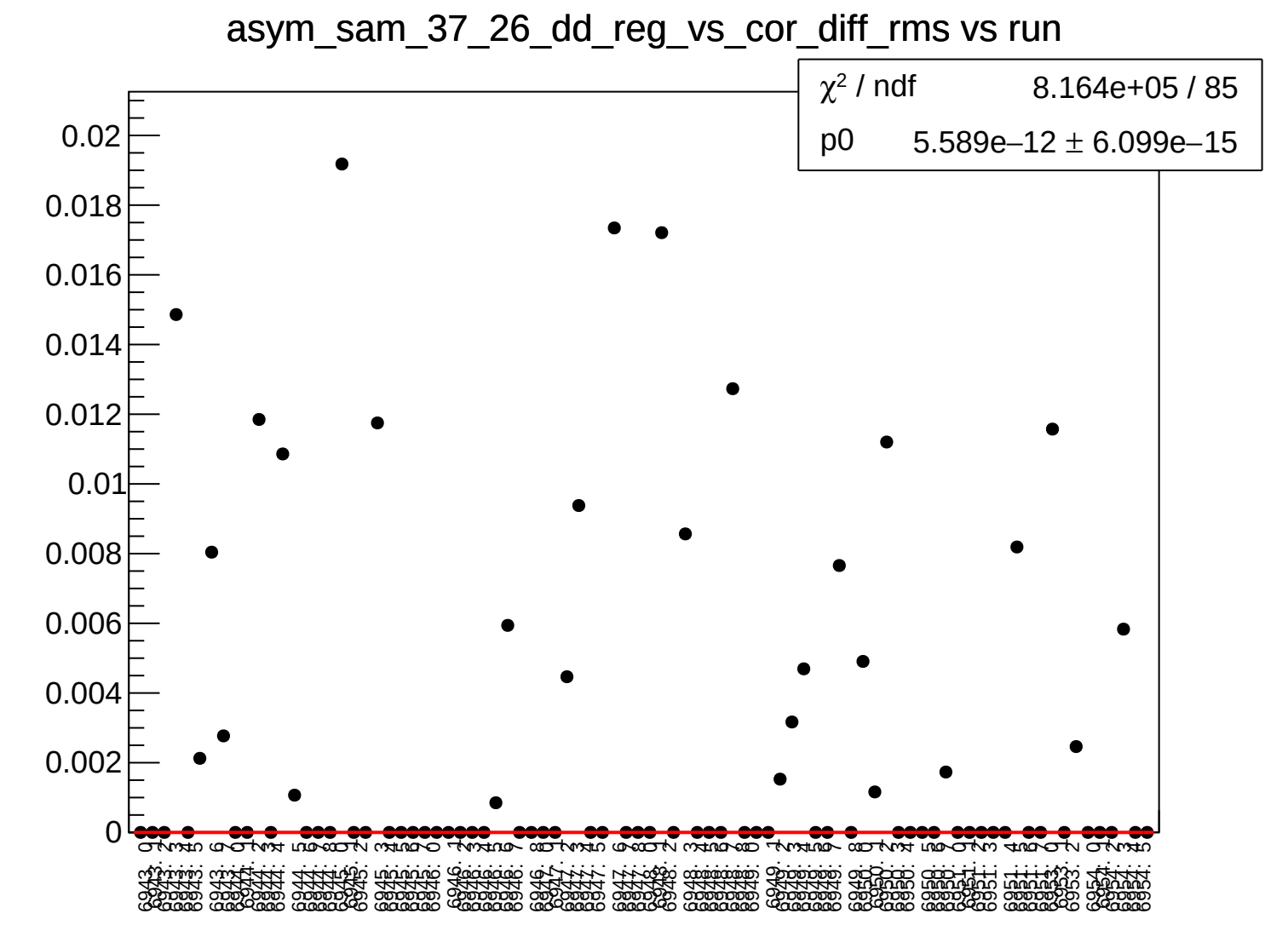

asym_sam_37_26_dd_mean vs run
χ² / ndf 83.04 / 85
p0 347 ± 190.8
pull
Entries 86
Mean −51.23
Std Dev 0

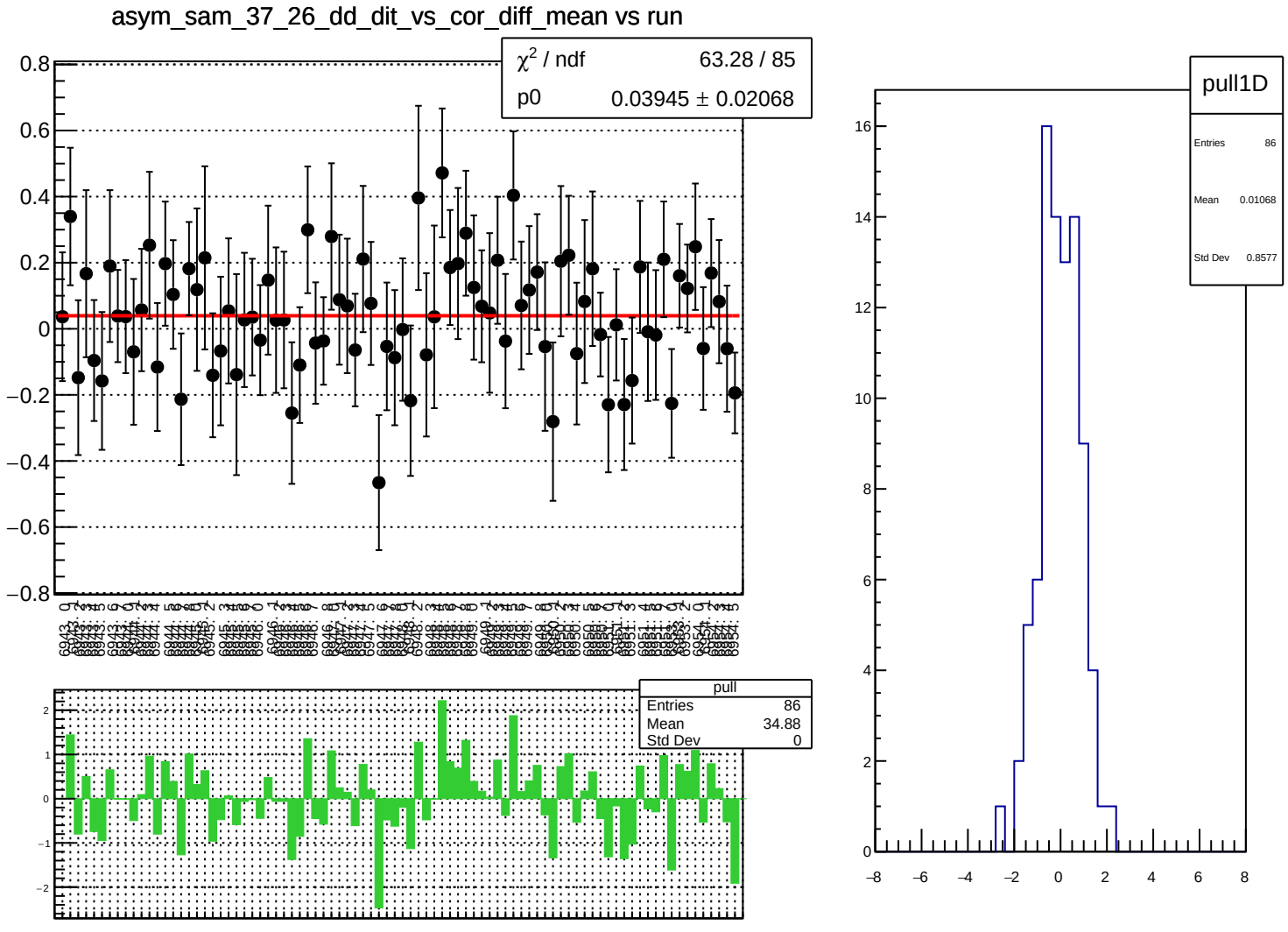

pull1D
Entries 86
Mean −0.01092
Std Dev 0.9826

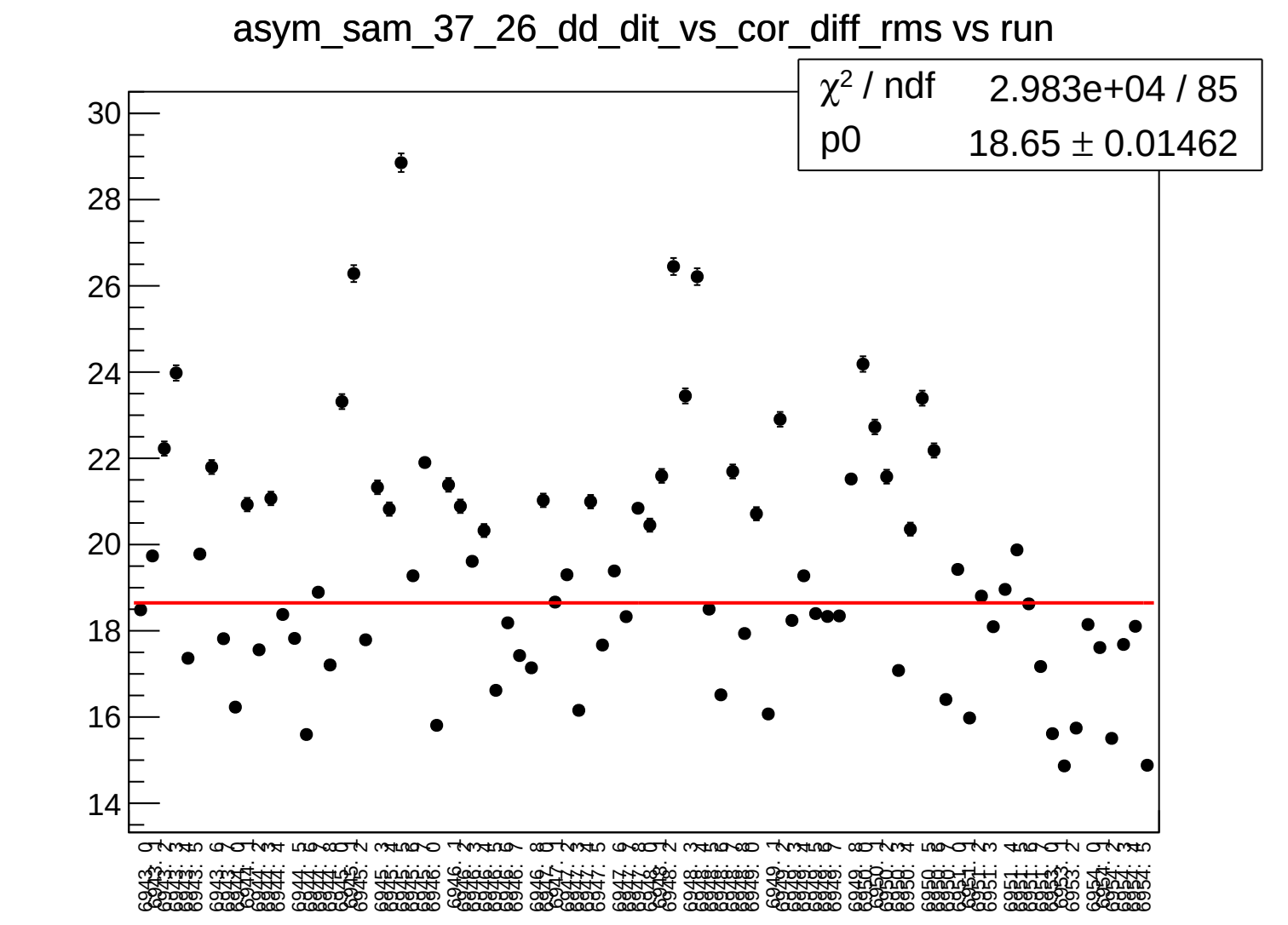

asym_sam_37_26_dd_rms vs run
χ² / ndf 3550 / 85
p0 173.4 ± 0.1349
200
195
190
185
180
175
170
165
160
155

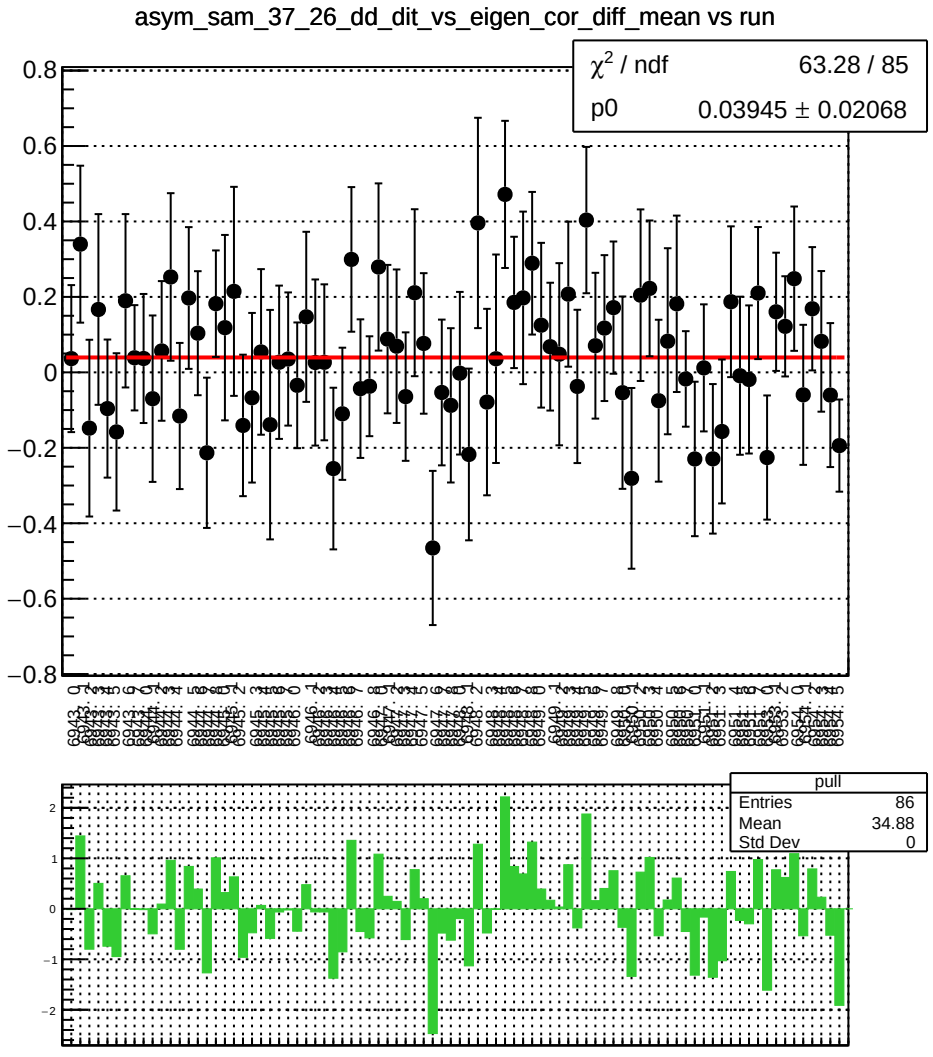

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 95.49 / 85
p0 −1.092e−14 ± 8.625e−15
pull
Entries 86
Mean −204
Std Dev 0

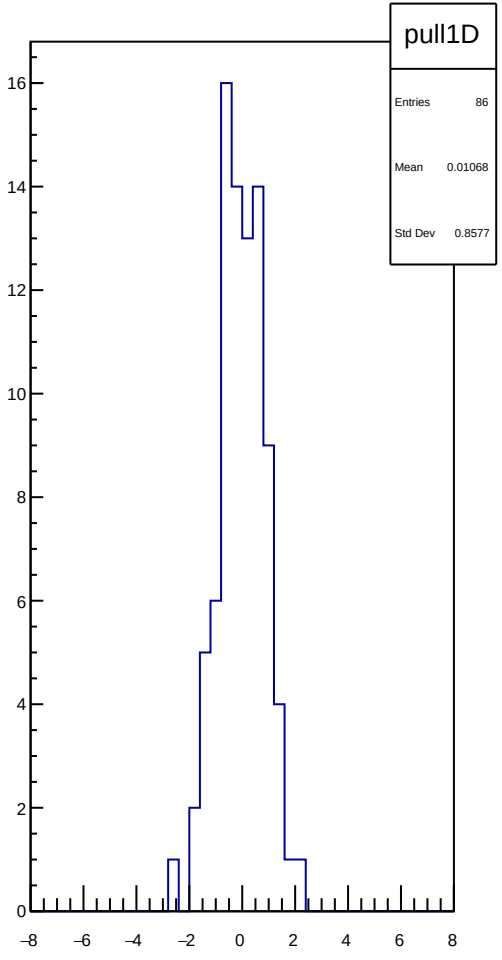

pull1D
Entries 86
Mean 0.01149
Std Dev 1.054

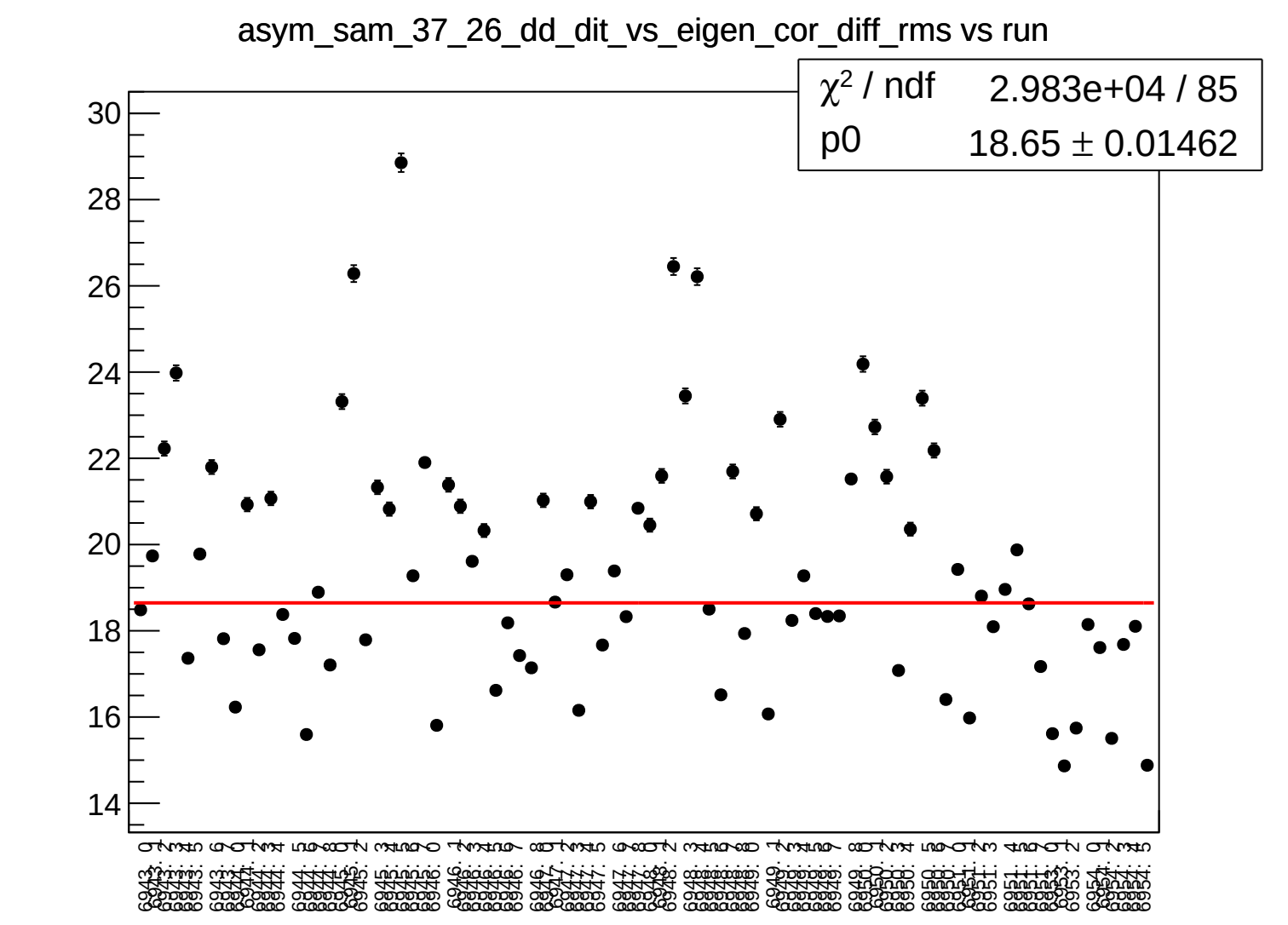

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.164e+05 / 85
p0 5.589e−12 ± 6.099e−15
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

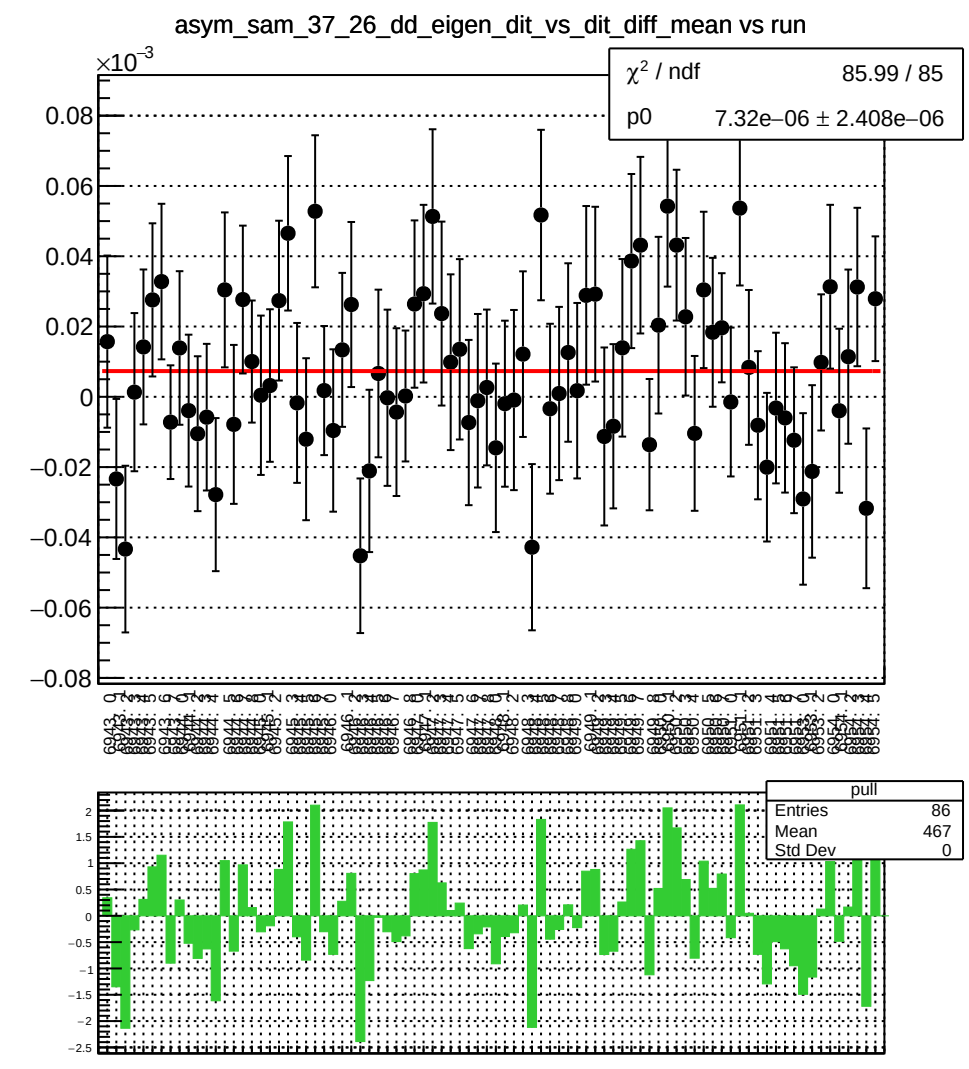

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.28 / 85
p0 0.03945 ± 0.02068
pull
Entries 86
Mean 34.88
Std Dev 0
pull1D
Entries 86
Mean 0.01068
Std Dev 0.8577

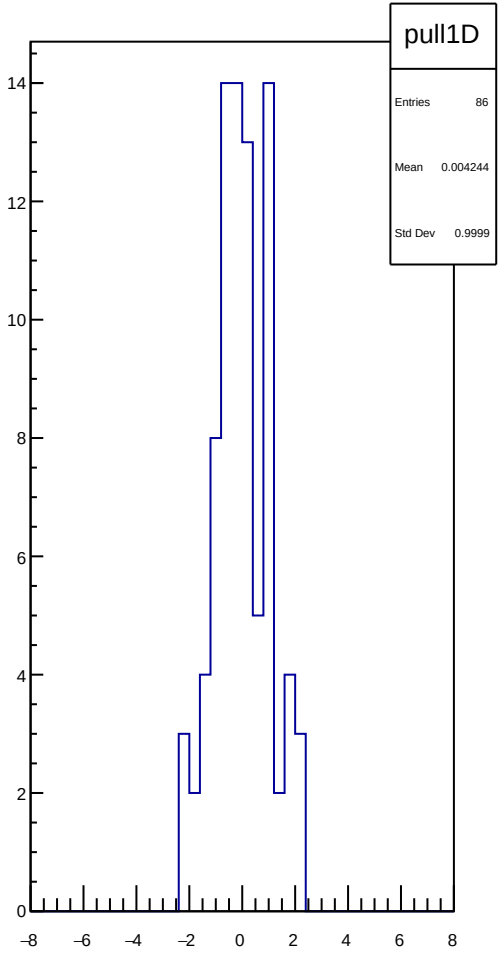

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.983e+04 / 85
p0 18.65 ± 0.01462
30
28
26
24
22
20
18
16
14

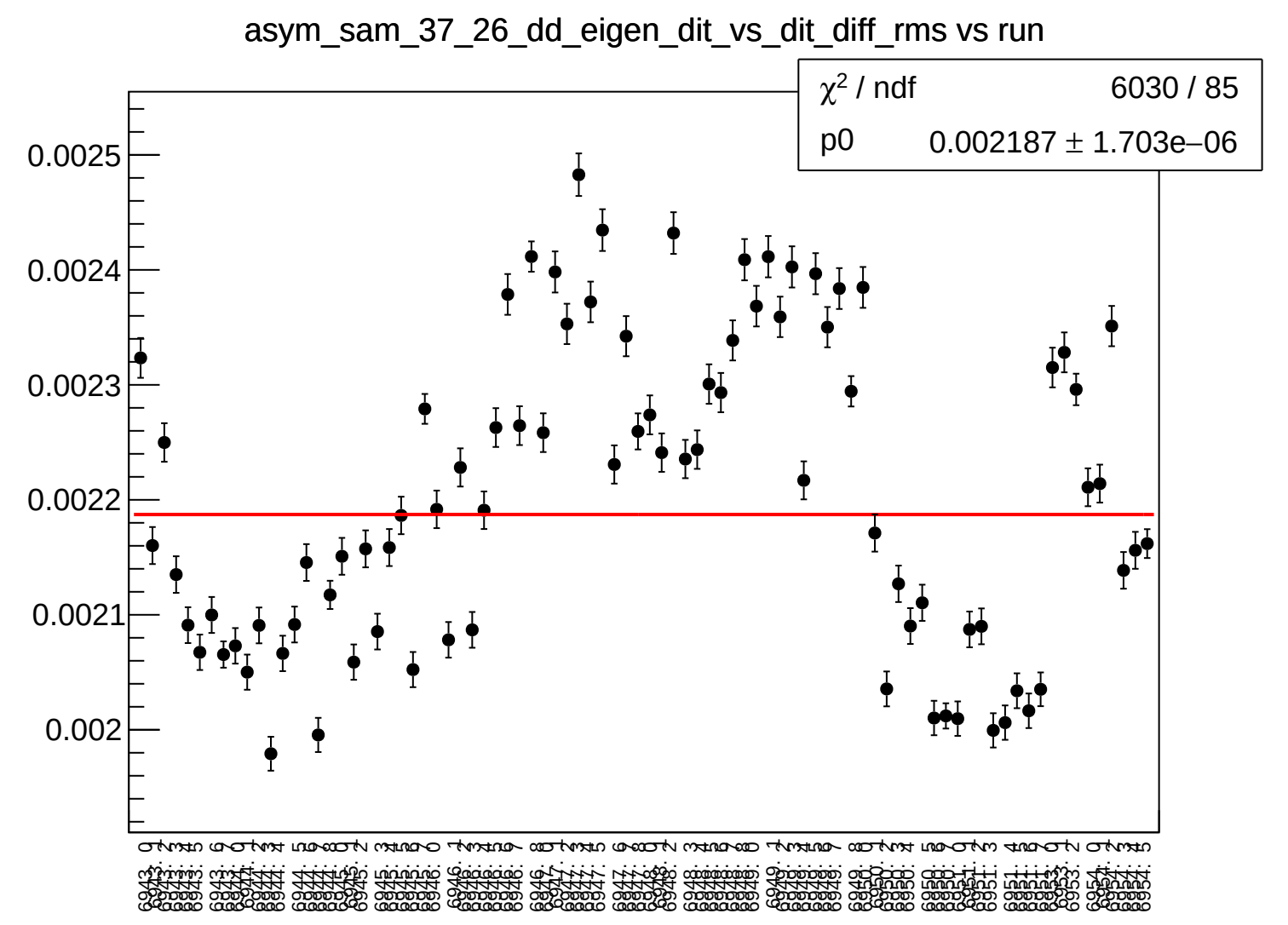

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.28 / 85
p0 0.03945 ± 0.02068
pull
Entries 86
Mean 34.88
Std Dev 0

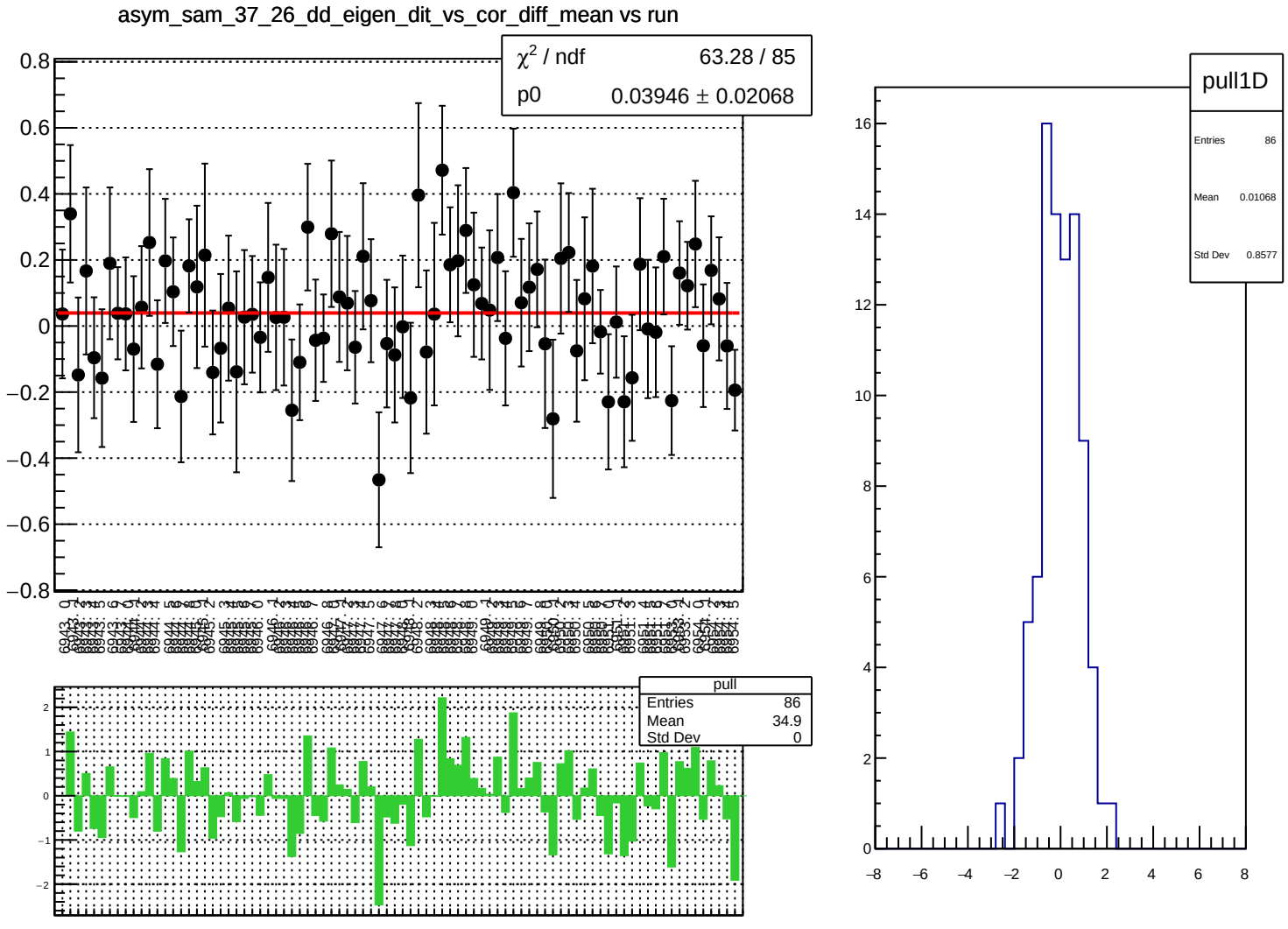

pull1D
Entries 86
Mean 0.01068
Std Dev 0.8577

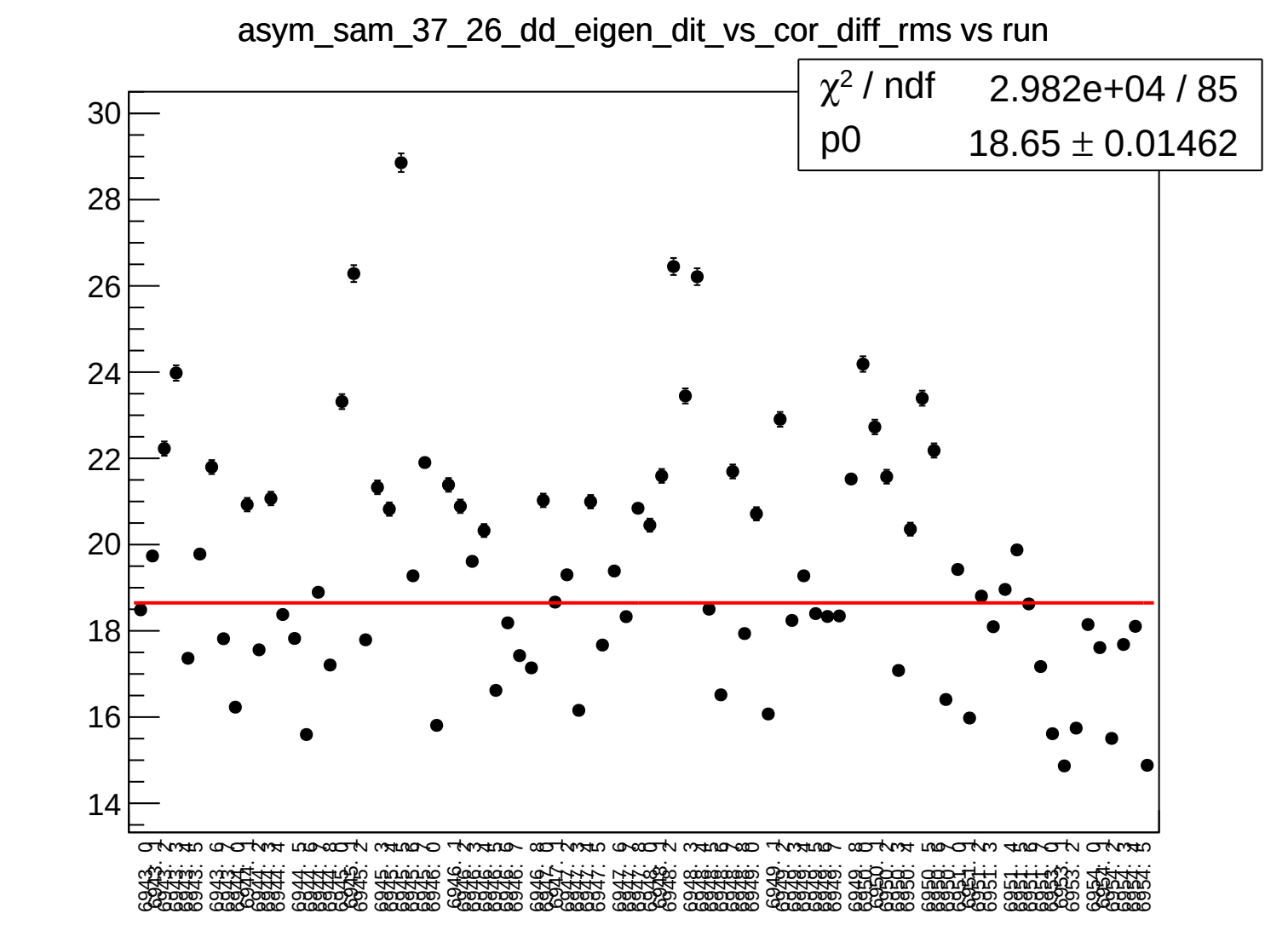

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.983e+04 / 85
p0 18.65 ± 0.01462
30
28
26
24
22
20
18
16
14

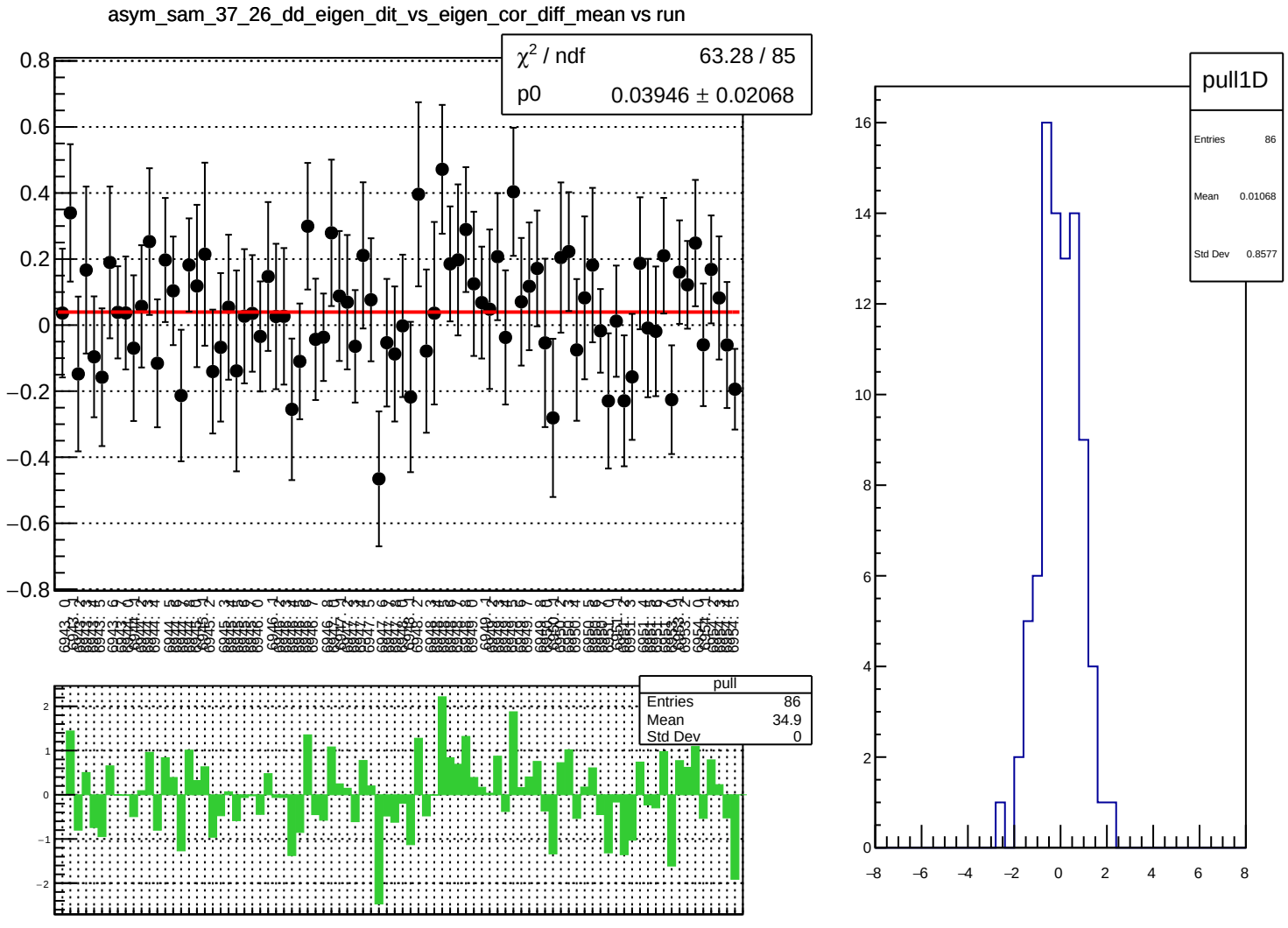

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.99 / 85
p0 7.32e−06 ± 2.408e−06
pull
Entries 86
Mean 467
Std Dev 0

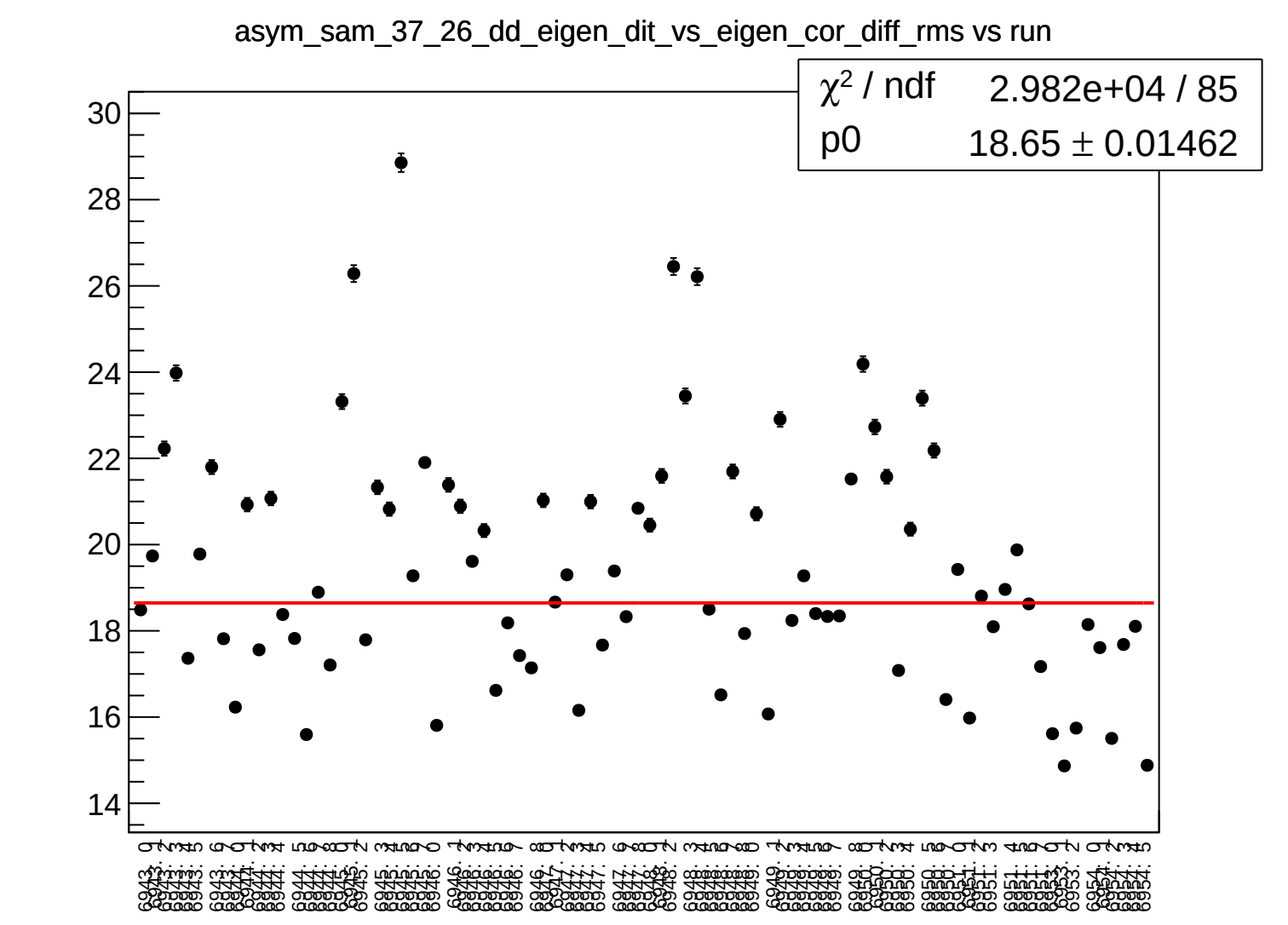

pull1D
Entries 86
Mean 0.004244
Std Dev 0.9999

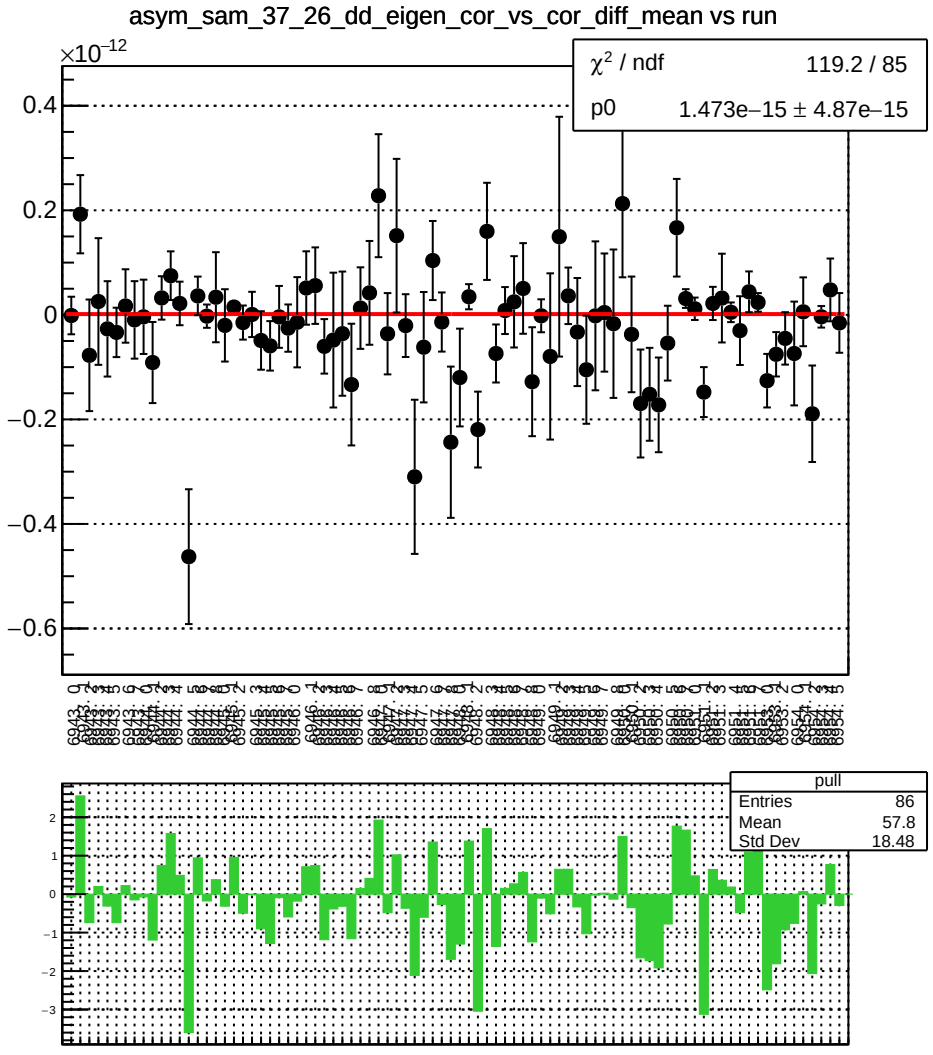

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6030 / 85
p0 0.002187 ± 1.703e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

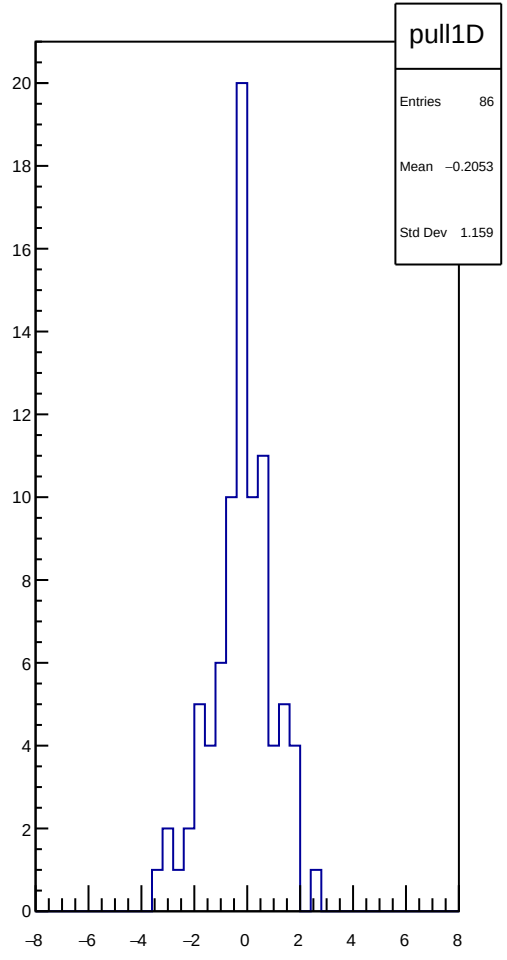

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.28 / 85
p0 0.03946 ± 0.02068
pull
Entries 86
Mean 34.9
Std Dev 0
pull1D
Entries 86
Mean 0.01068
Std Dev 0.8577

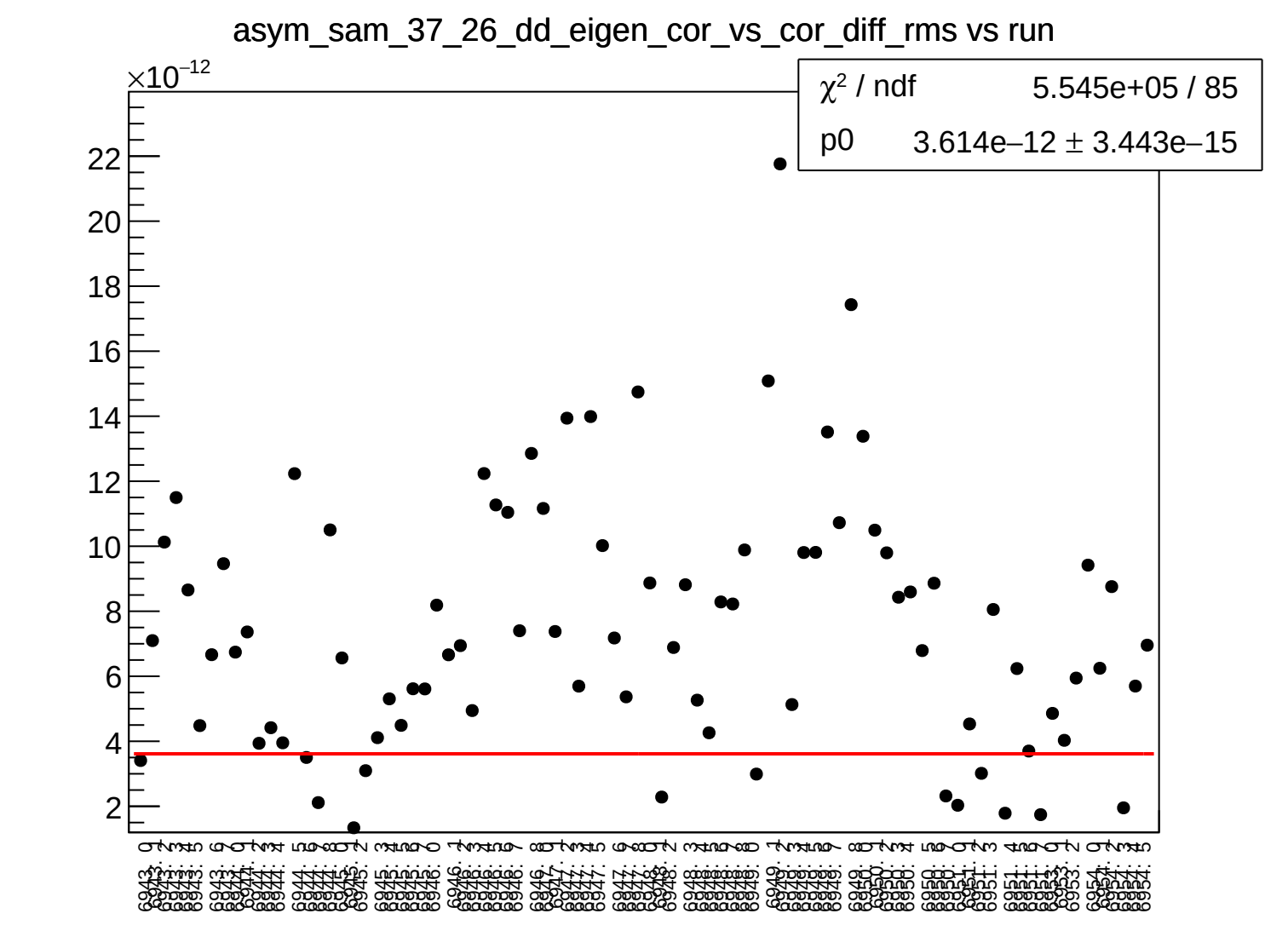

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.982e+04 / 85
p0 18.65 ± 0.01462
30
28
26
24
22
20
18
16
14

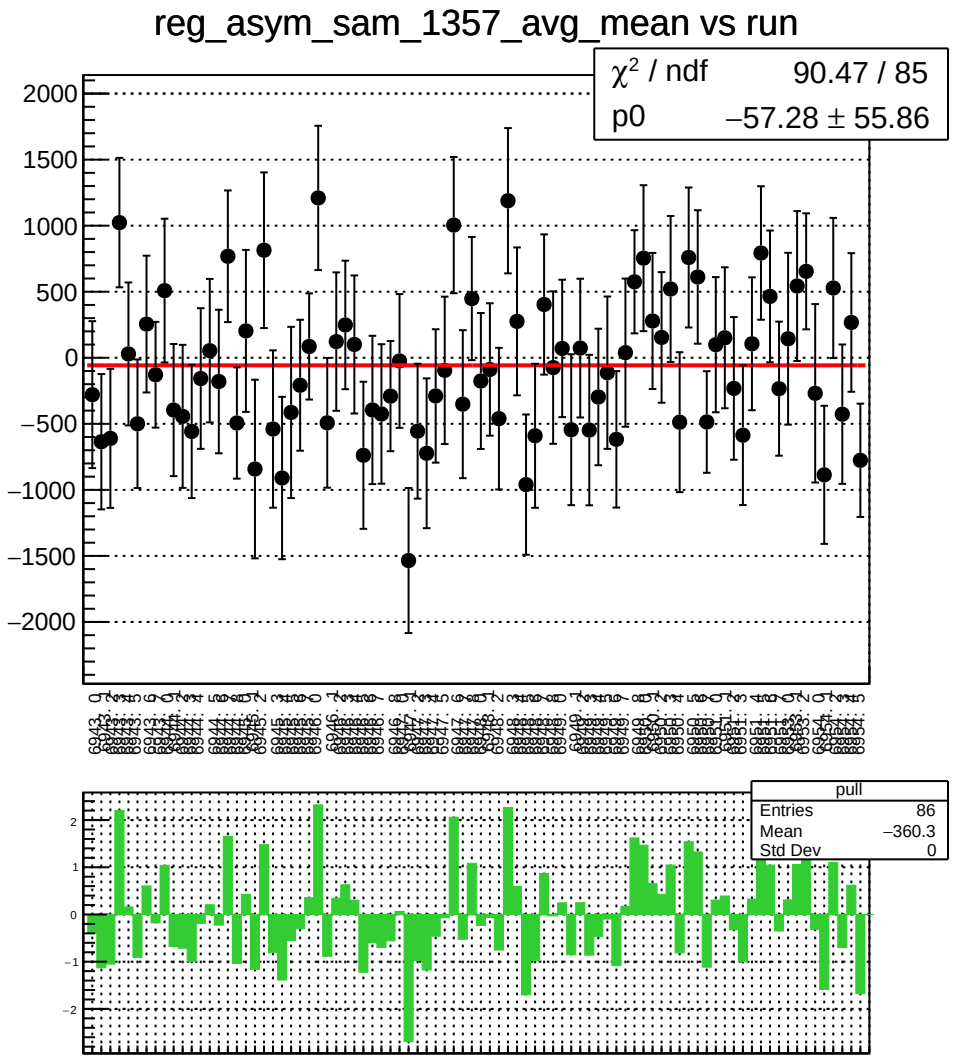

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.28 / 85
p0 0.03946 ± 0.02068
pull
Entries 86
Mean 34.9
Std Dev 0
pull1D
Entries 86
Mean 0.01068
Std Dev 0.8577

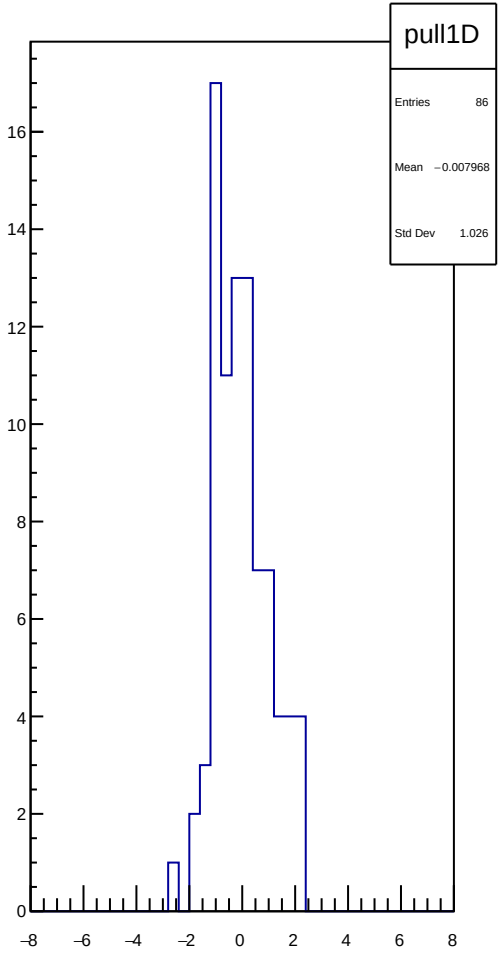

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.982e+04 / 85
p0 18.65 ± 0.01462
30
28
26
24
22
20
18
16
14

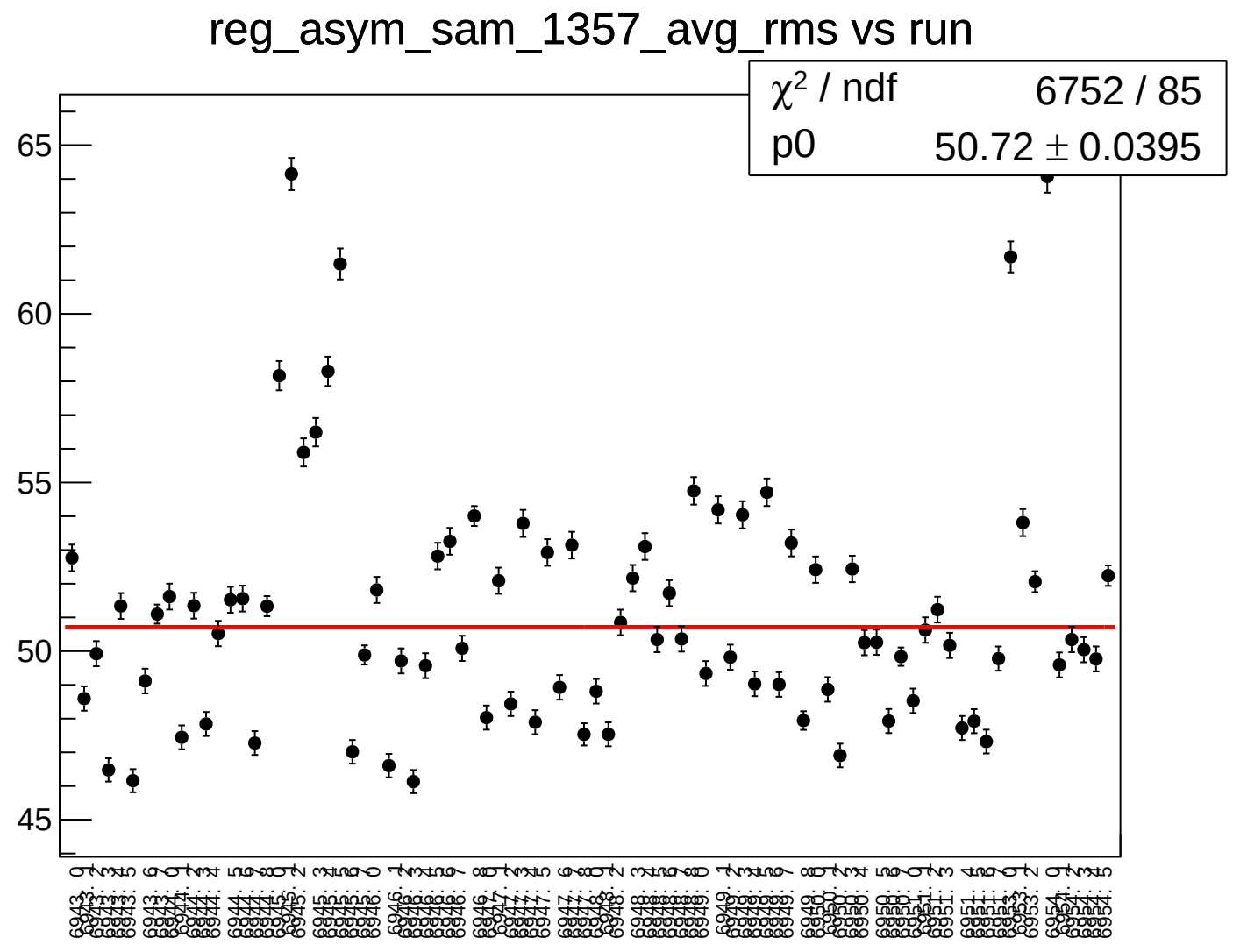

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 119.2 / 85
p0 1.473e−15 ± 4.87e−15
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 86
Mean 57.8
Std Dev 18.48
2
1
0
−1
−2
−3

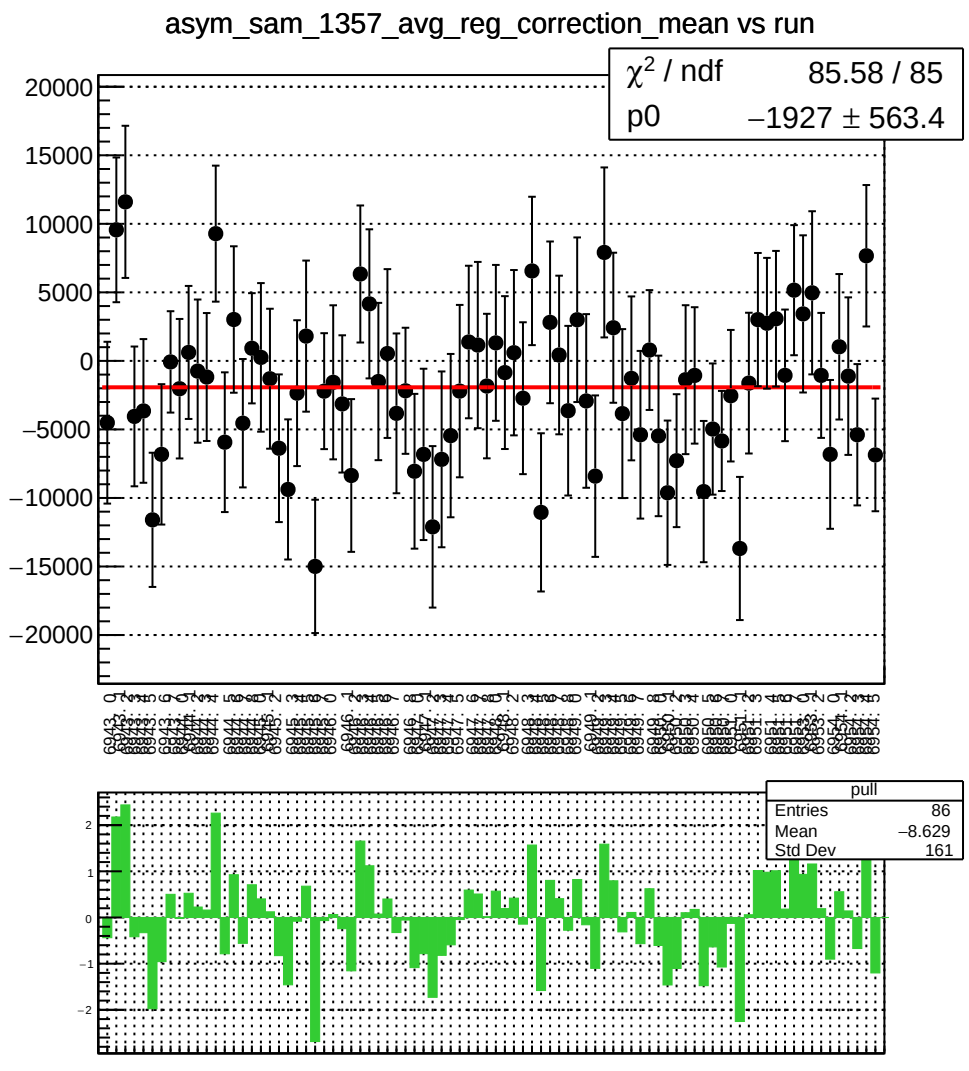

pull1D
Entries 86
Mean −0.2053
Std Dev 1.159
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

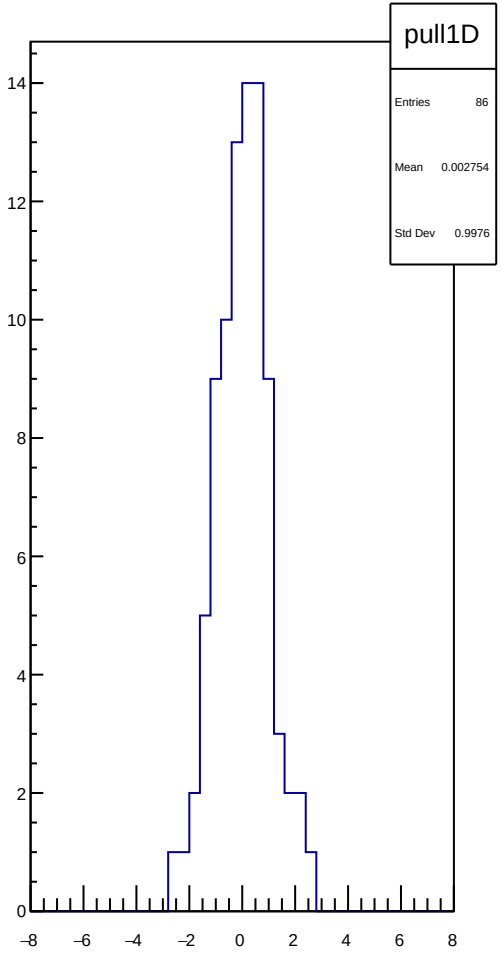

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.545e+05 / 85
p0 3.614e−12 ± 3.443e−15
22
20
18
16
14
12
10
8
6
4
2

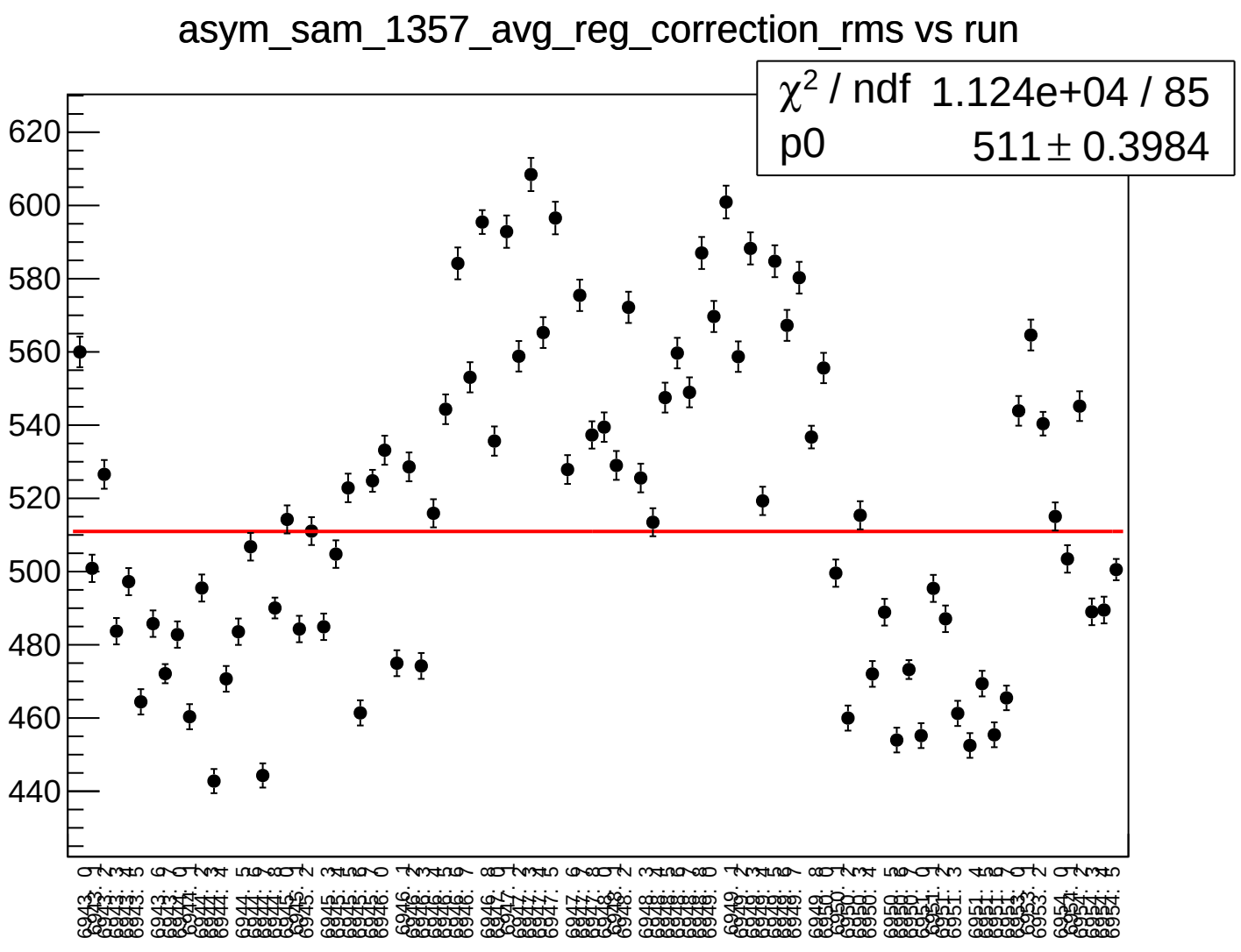

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 90.47 / 85
p0 −57.28 ± 55.86
pull
Entries 86
Mean −360.3
Std Dev 0

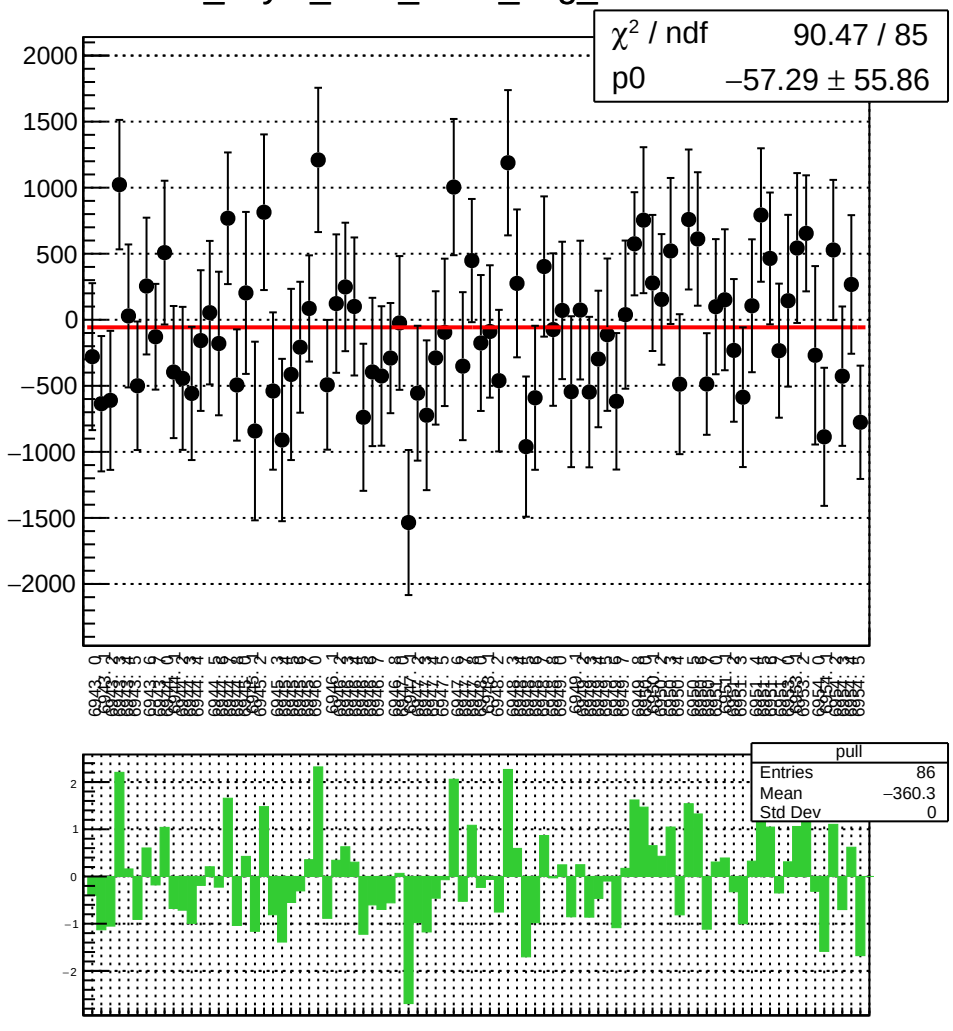

pull1D
Entries 86
Mean −0.007968
Std Dev 1.026

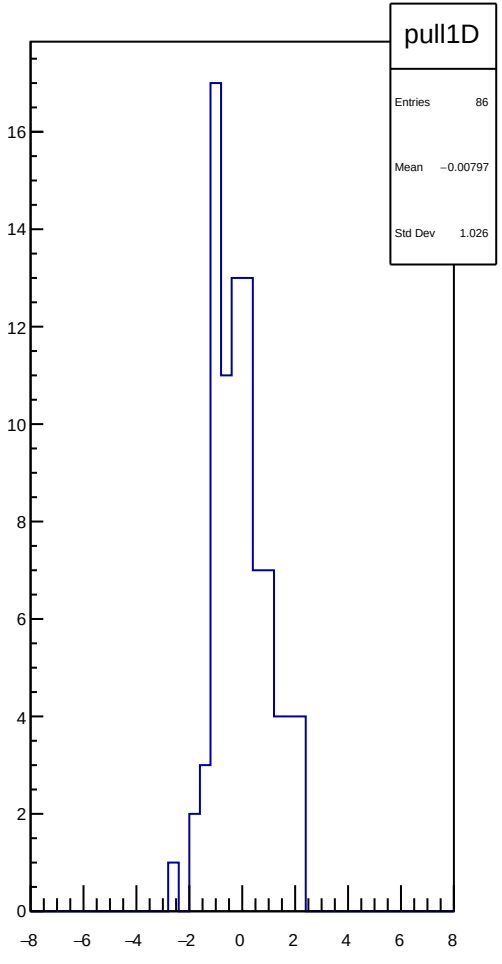

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 6752 / 85
p0 50.72 ± 0.0395
65
60
55
50
45

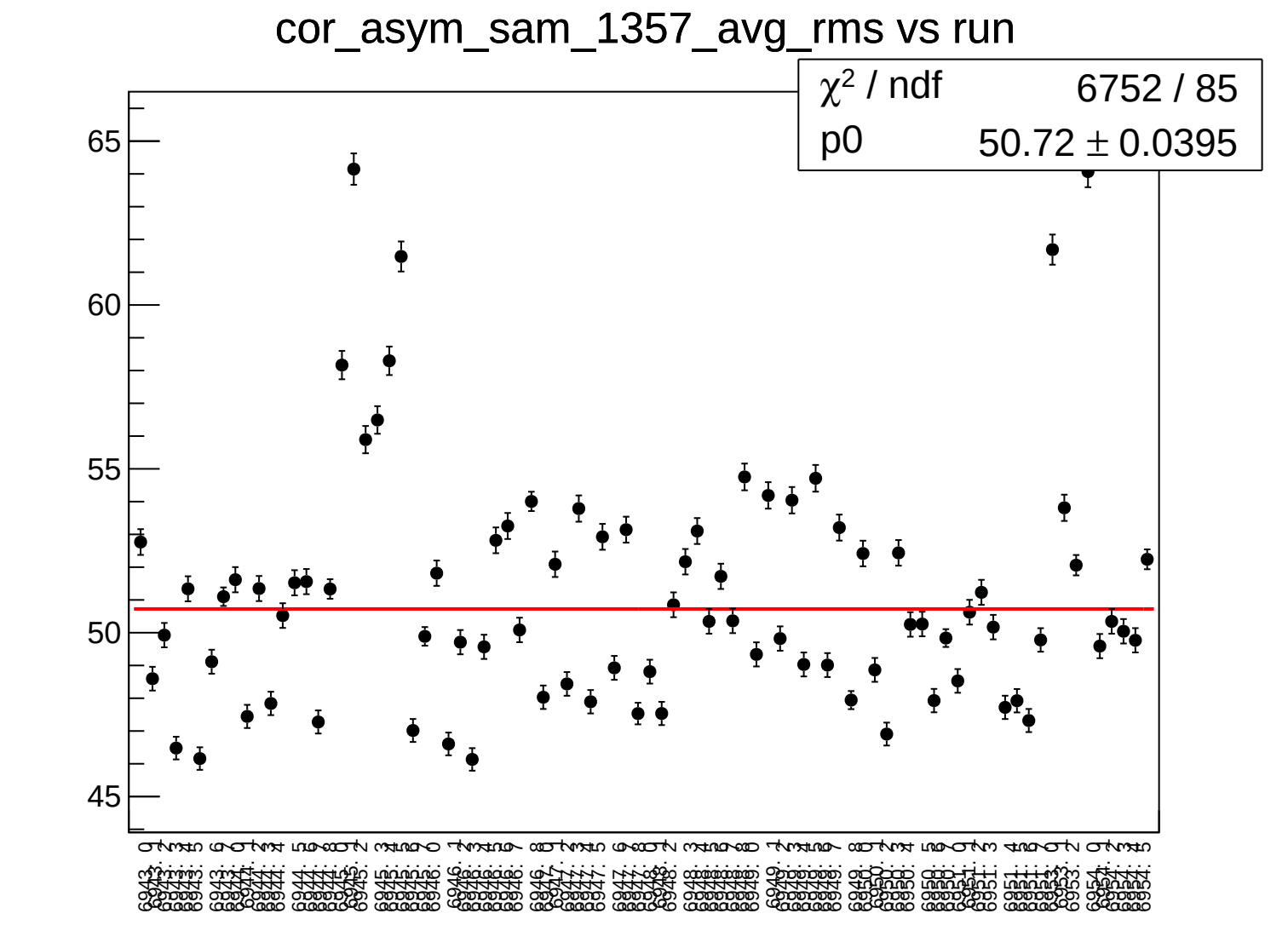

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 85.58 / 85
p0 −1927 ± 563.4
pull
Entries 86
Mean −8.629
Std Dev 161

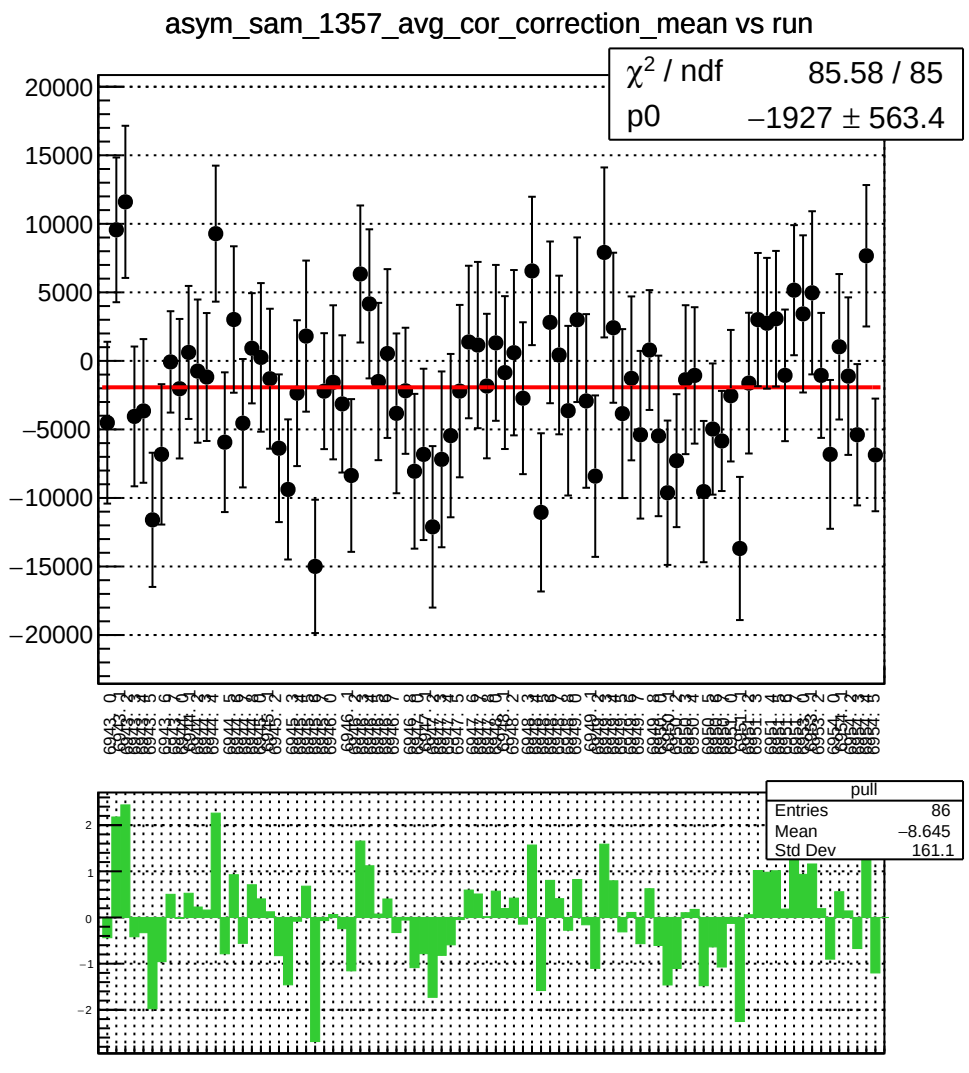

pull1D
Entries 86
Mean 0.002754
Std Dev 0.9976

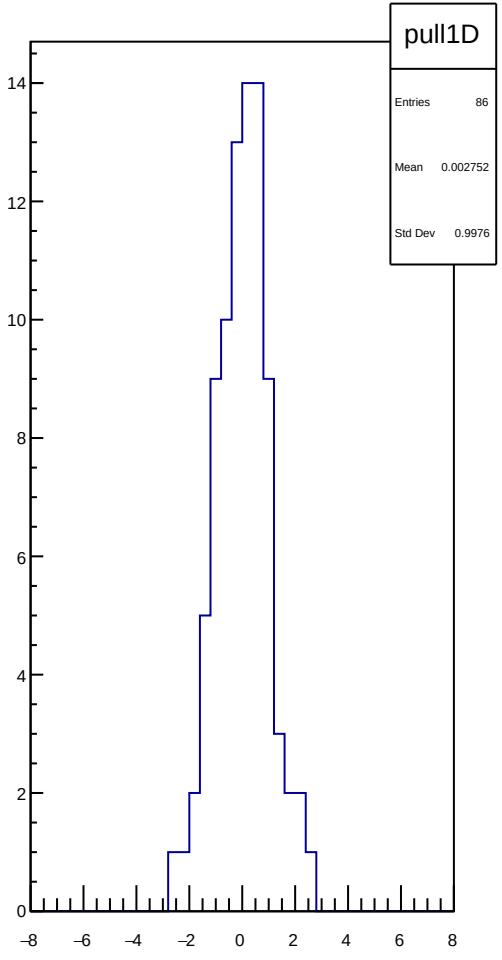

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1.124e+04 / 85
p0 511 ± 0.3984
620
600
580
560
540
520
500
480
460
440

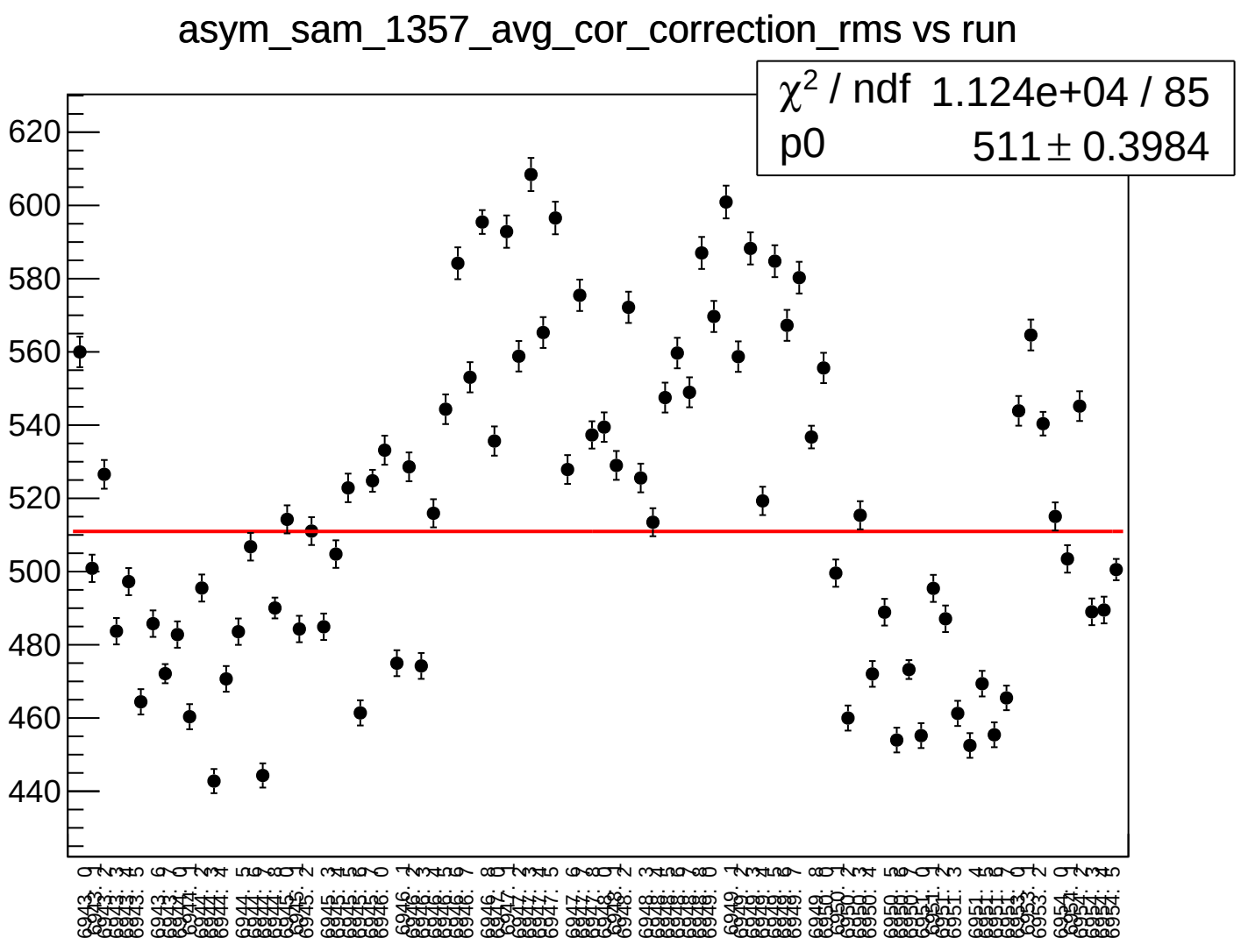

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 90.47 / 85
p0 −57.29 ± 55.86
pull
Entries 86
Mean −360.3
Std Dev 0

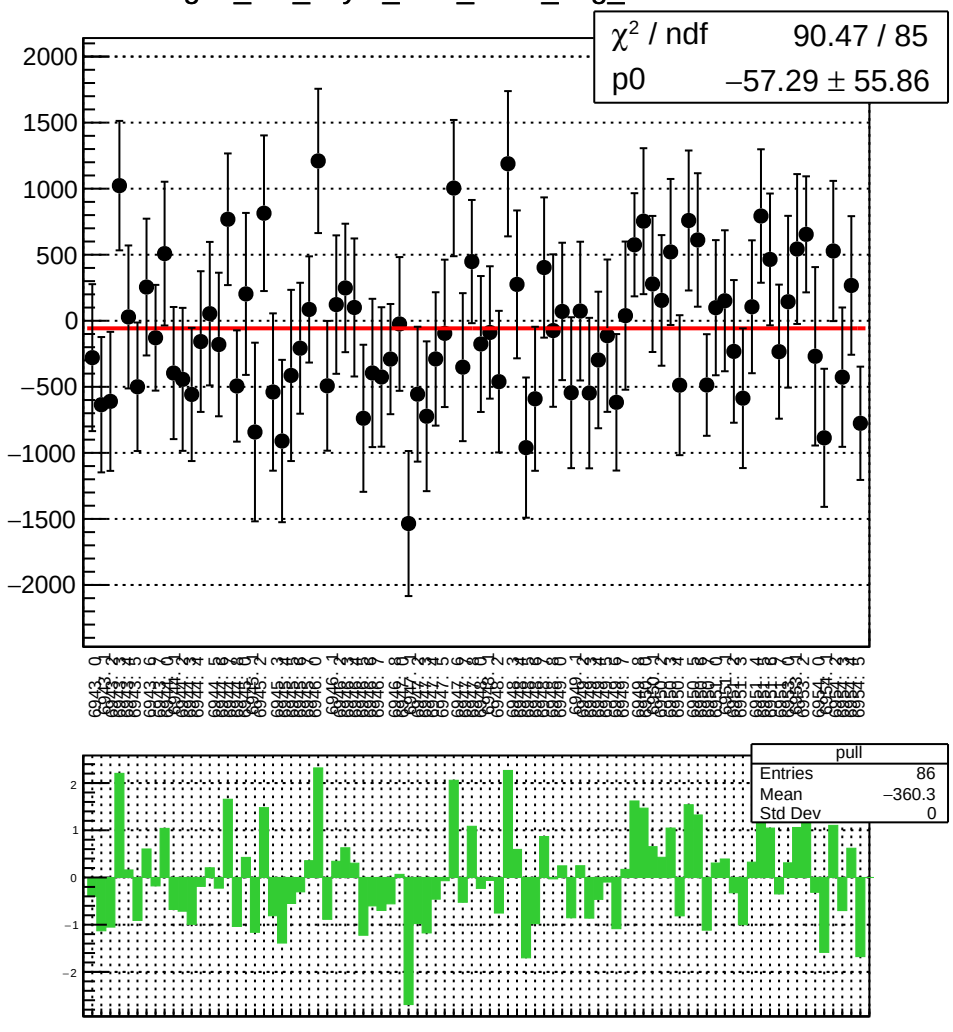

pull1D
Entries 86
Mean −0.00797
Std Dev 1.026

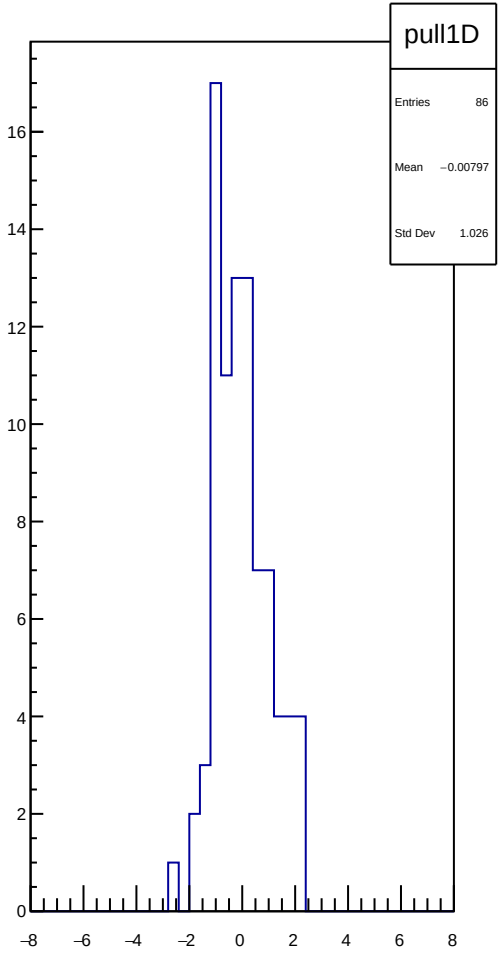

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 6752 / 85
p0 50.72 ± 0.0395
65
60
55
50
45

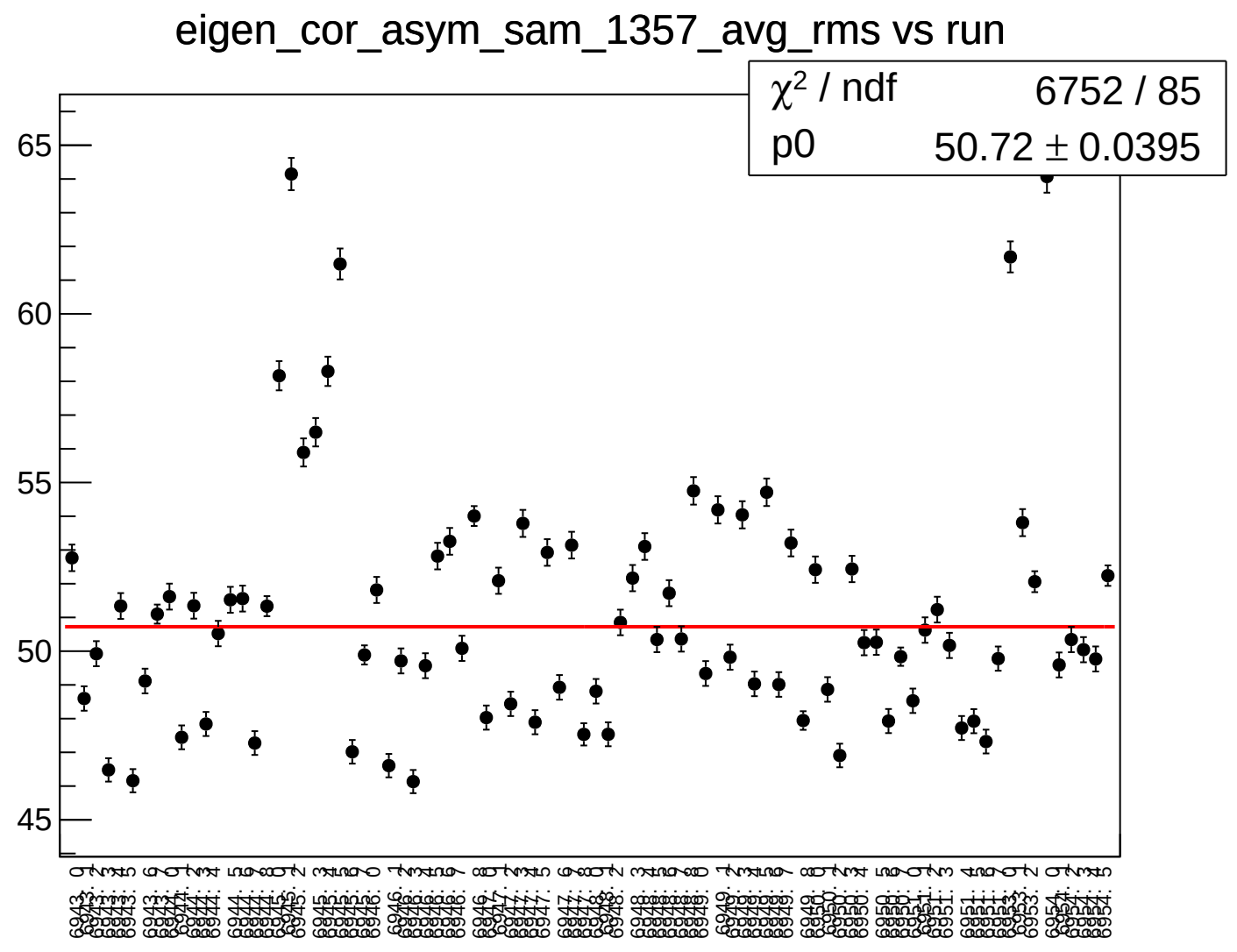

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 85.58 / 85
p0 −1927 ± 563.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean −8.645
Std Dev 161.1
2
1
0
−1
−2

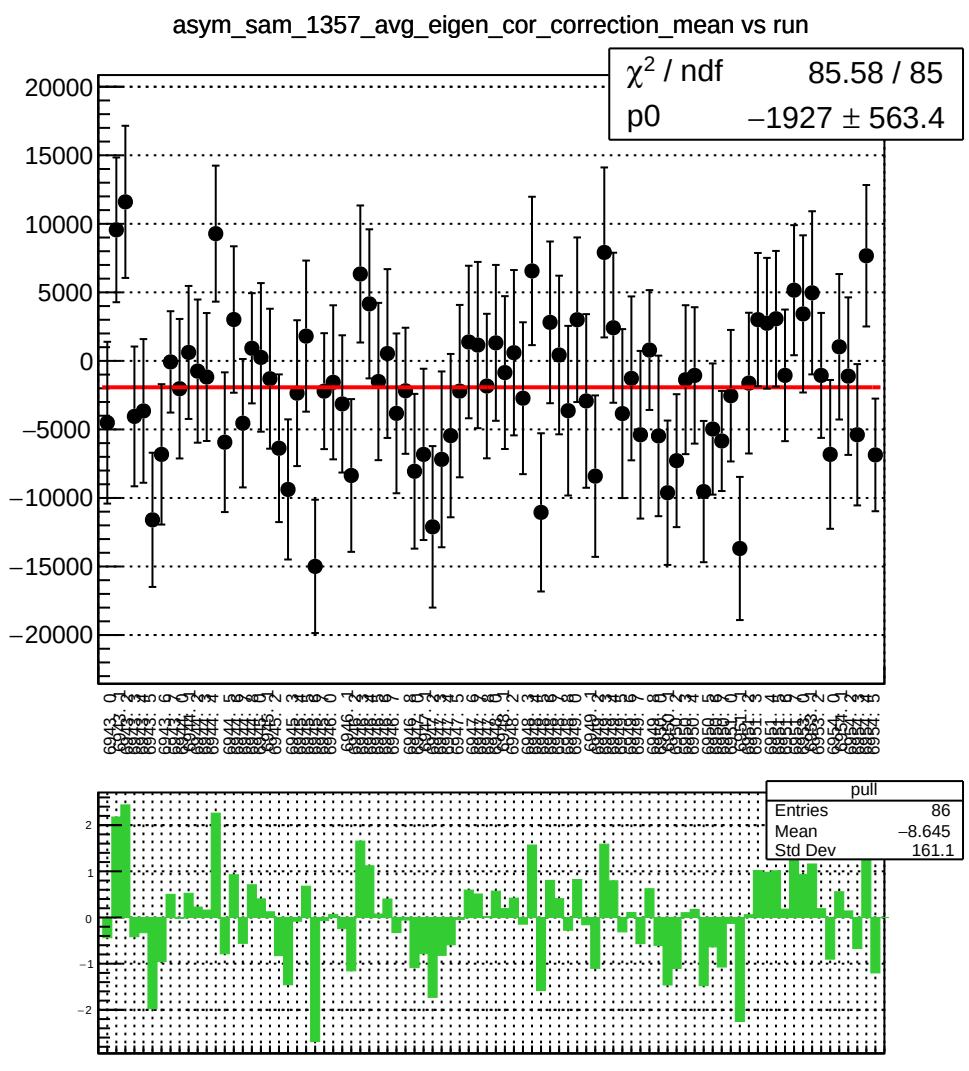

pull1D
Entries 86
Mean 0.002752
Std Dev 0.9976
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

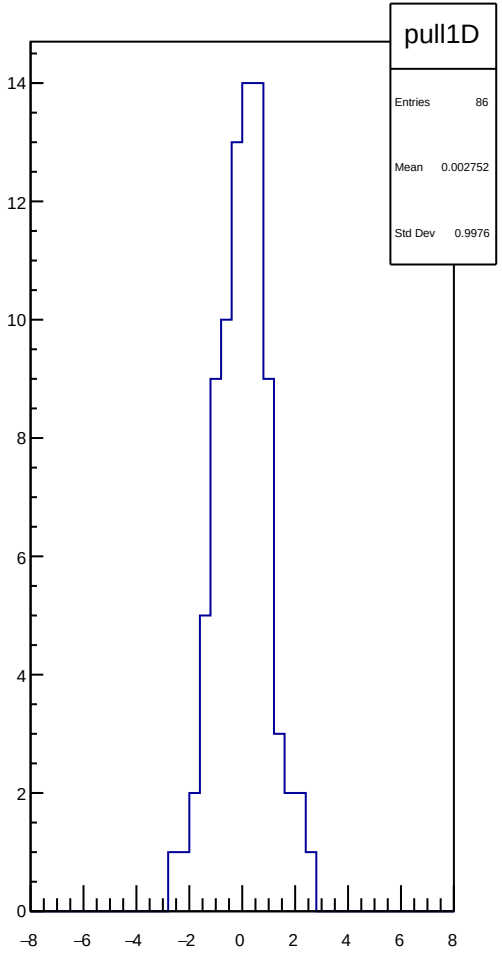

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1.124e+04 / 85
p0 511 ± 0.3984
620
600
580
560
540
520
500
480
460
440

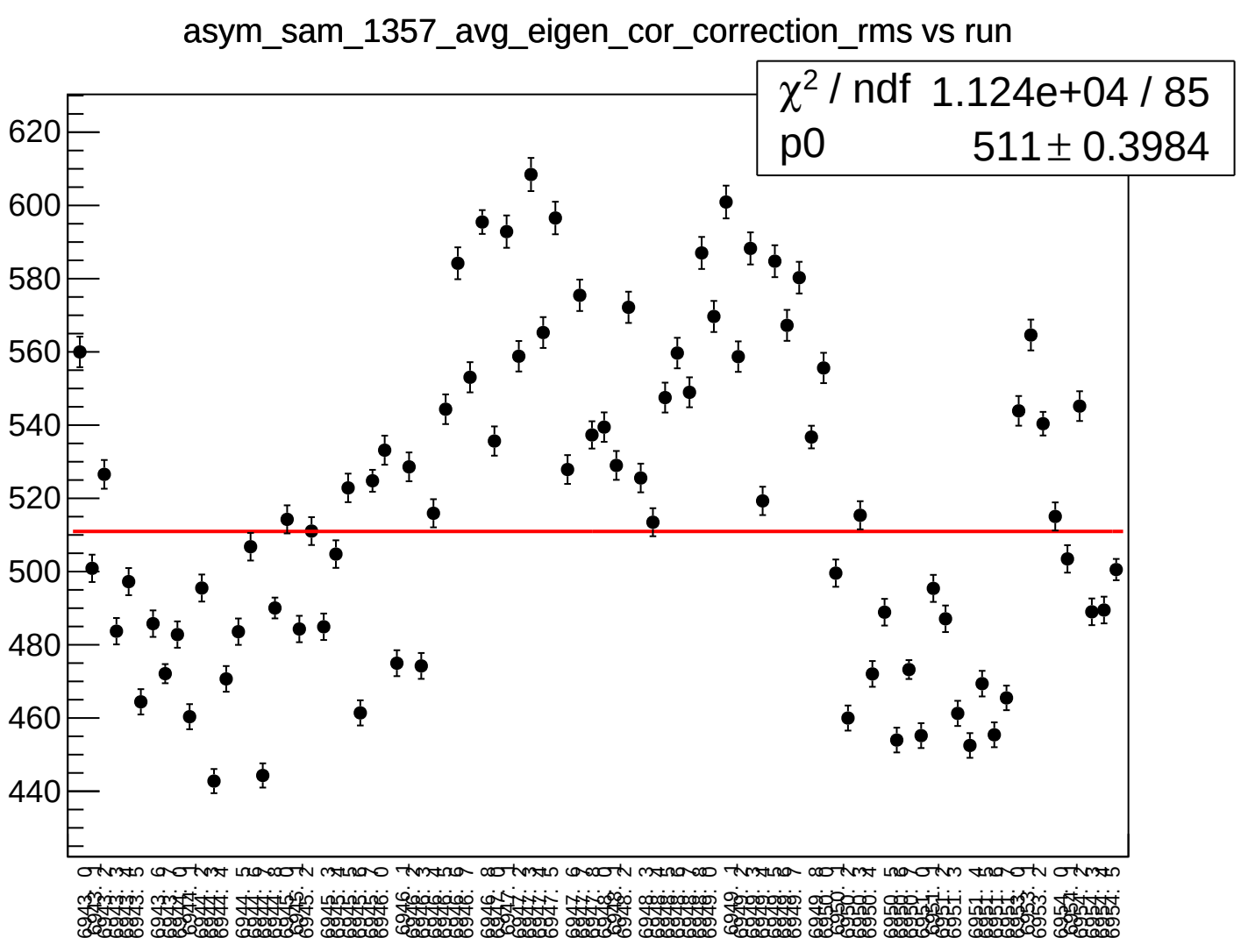

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 90.47 / 85
p0 −57.29 ± 55.86
pull
Entries 86
Mean −360.3
Std Dev 0

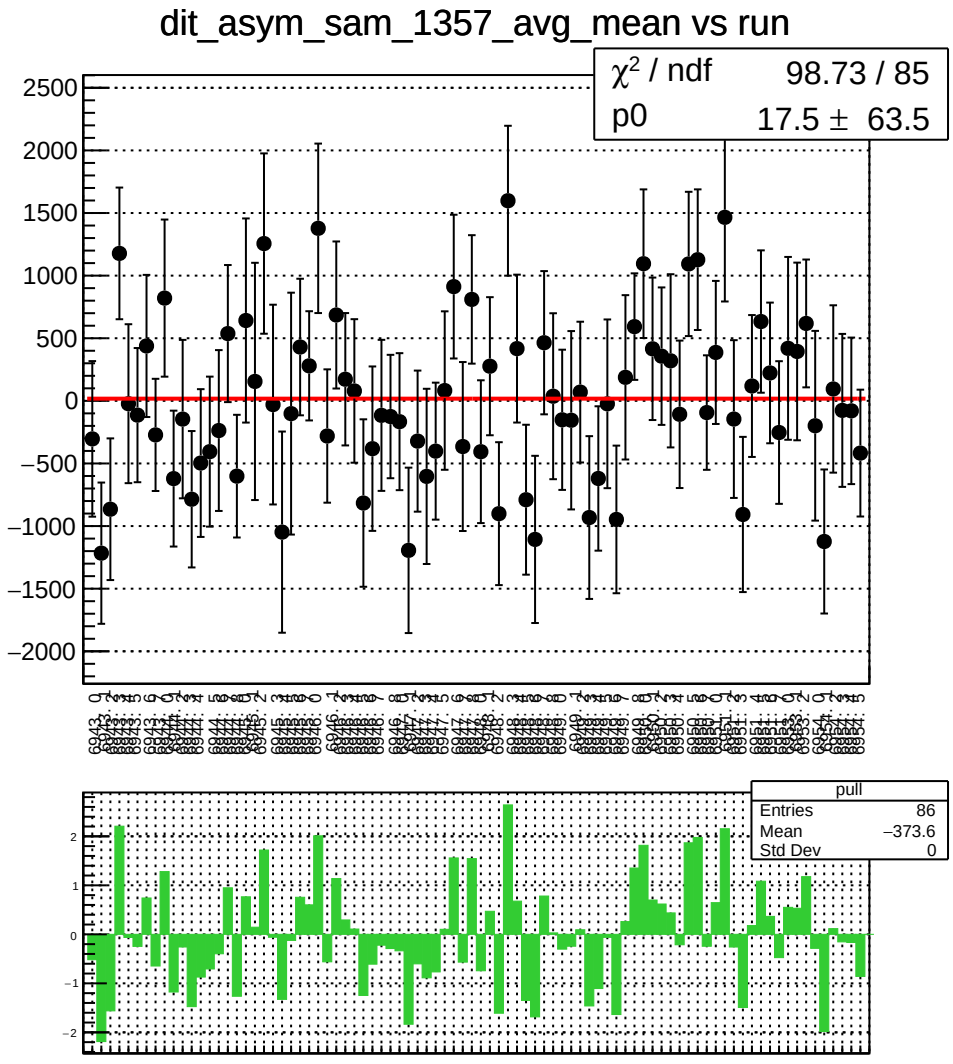

pull1D
Entries 86
Mean −0.00797
Std Dev 1.026

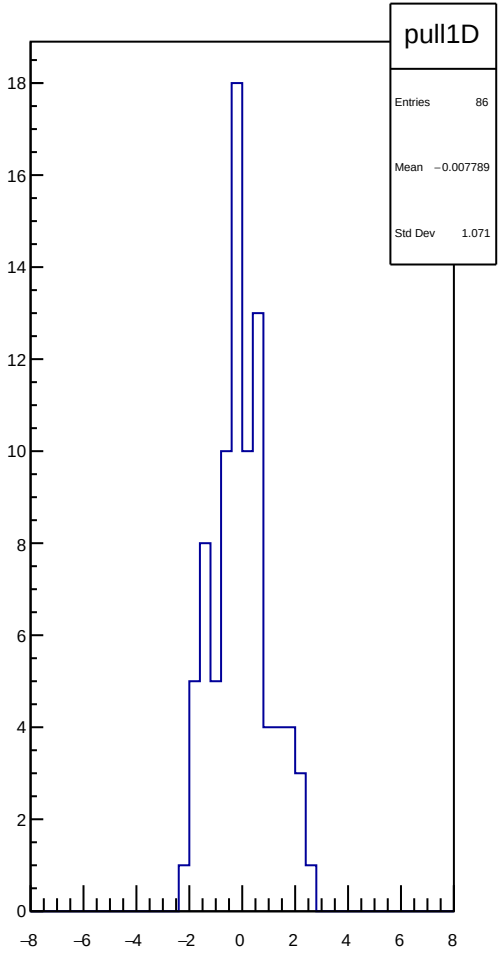

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 6752 / 85
p0 50.72 ± 0.0395
65
60
55
50
45

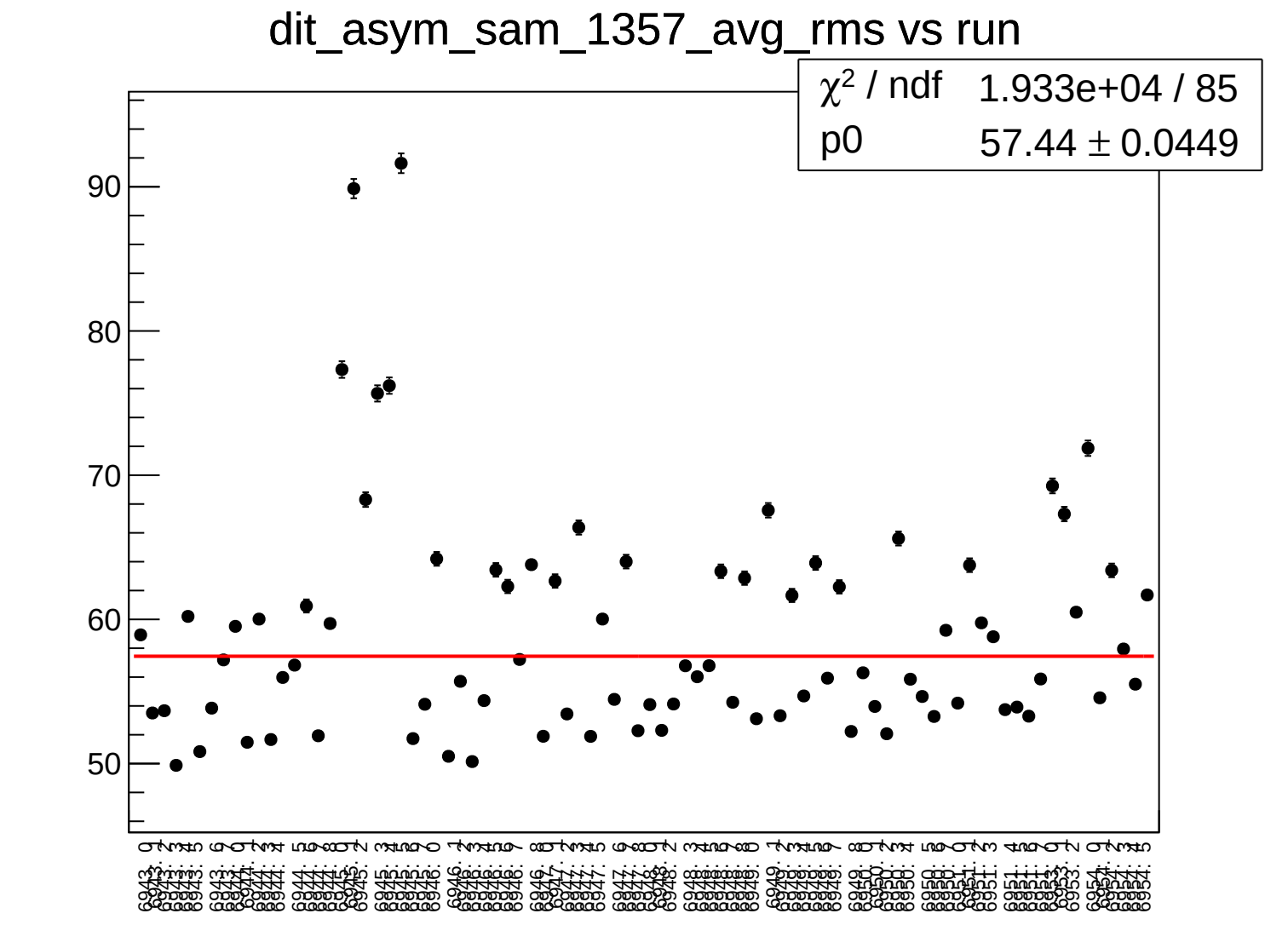

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.58 / 85
p0 −1927 ± 563.4
pull
Entries 86
Mean −8.645
Std Dev 161.1

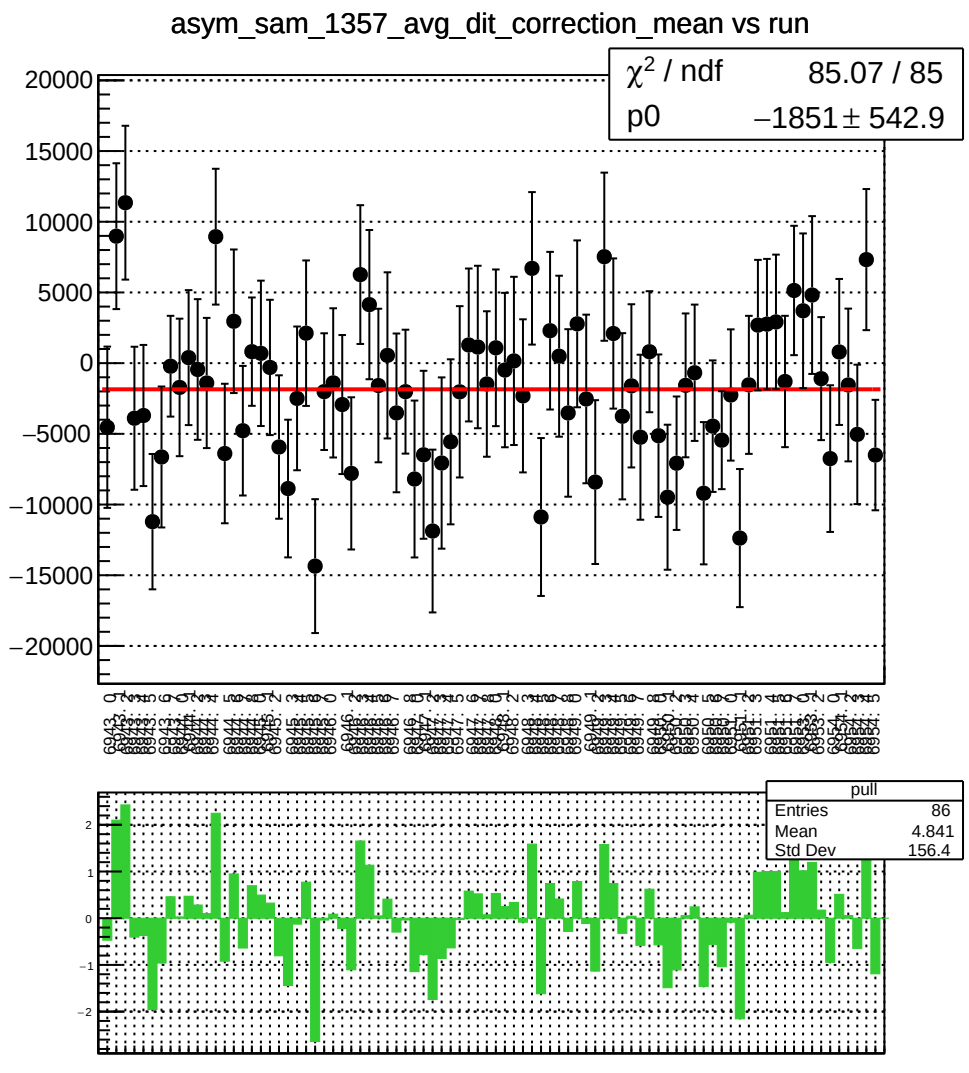

pull1D
Entries 86
Mean 0.002752
Std Dev 0.9976

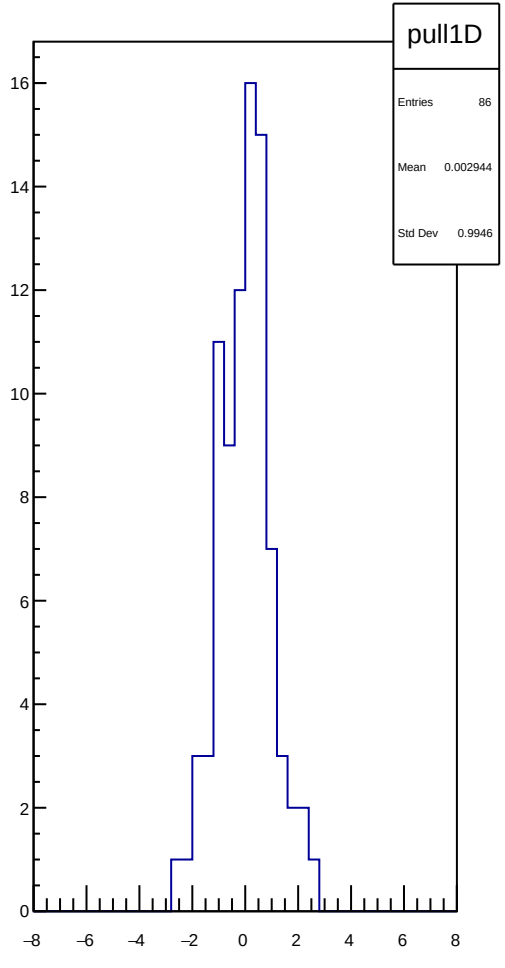

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.124e+04 / 85
p0 511 ± 0.3984
620
600
580
560
540
520
500
480
460
440

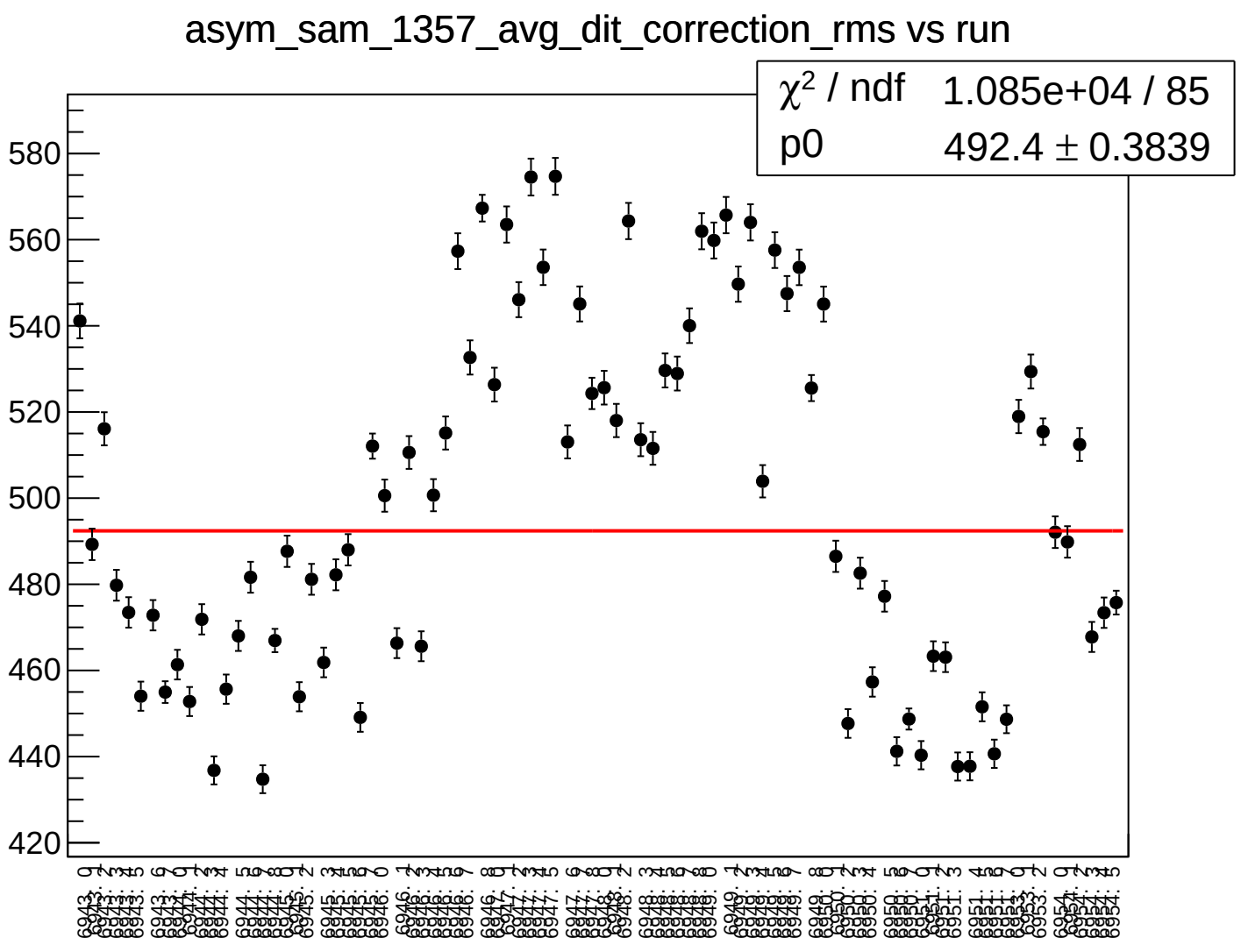

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 98.73 / 85
p0 17.5 ± 63.5
pull
Entries 86
Mean −373.6
Std Dev 0

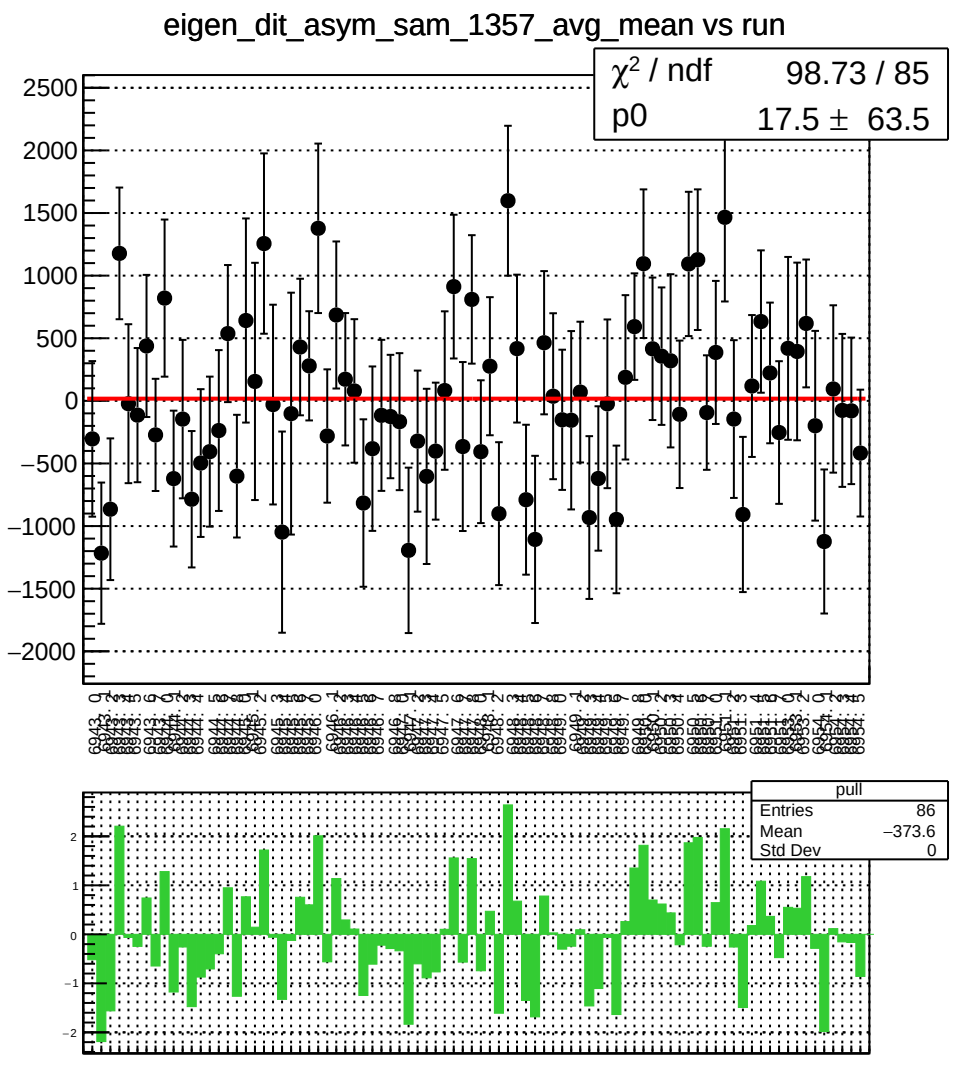

pull1D
Entries 86
Mean −0.007789
Std Dev 1.071

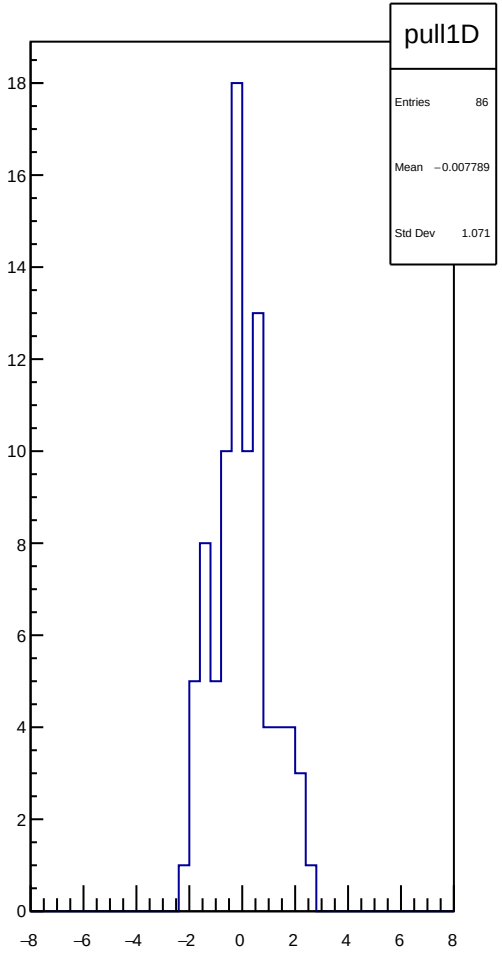

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.933e+04 / 85
p0 57.44 ± 0.0449
90
80
70
60
50

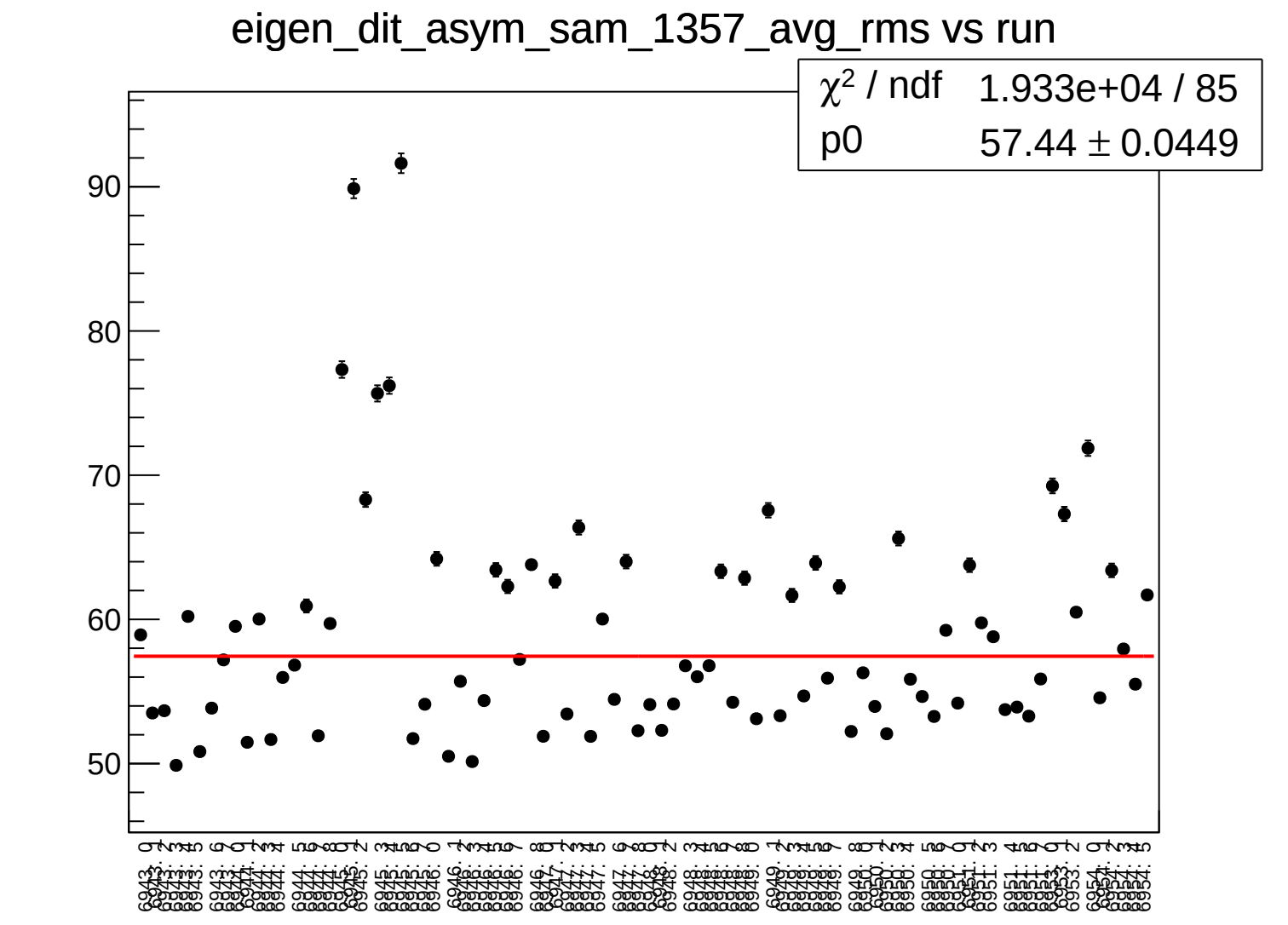

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 85.07 / 85
p0 −1851 ± 542.9
pull
Entries 86
Mean 4.841
Std Dev 156.4

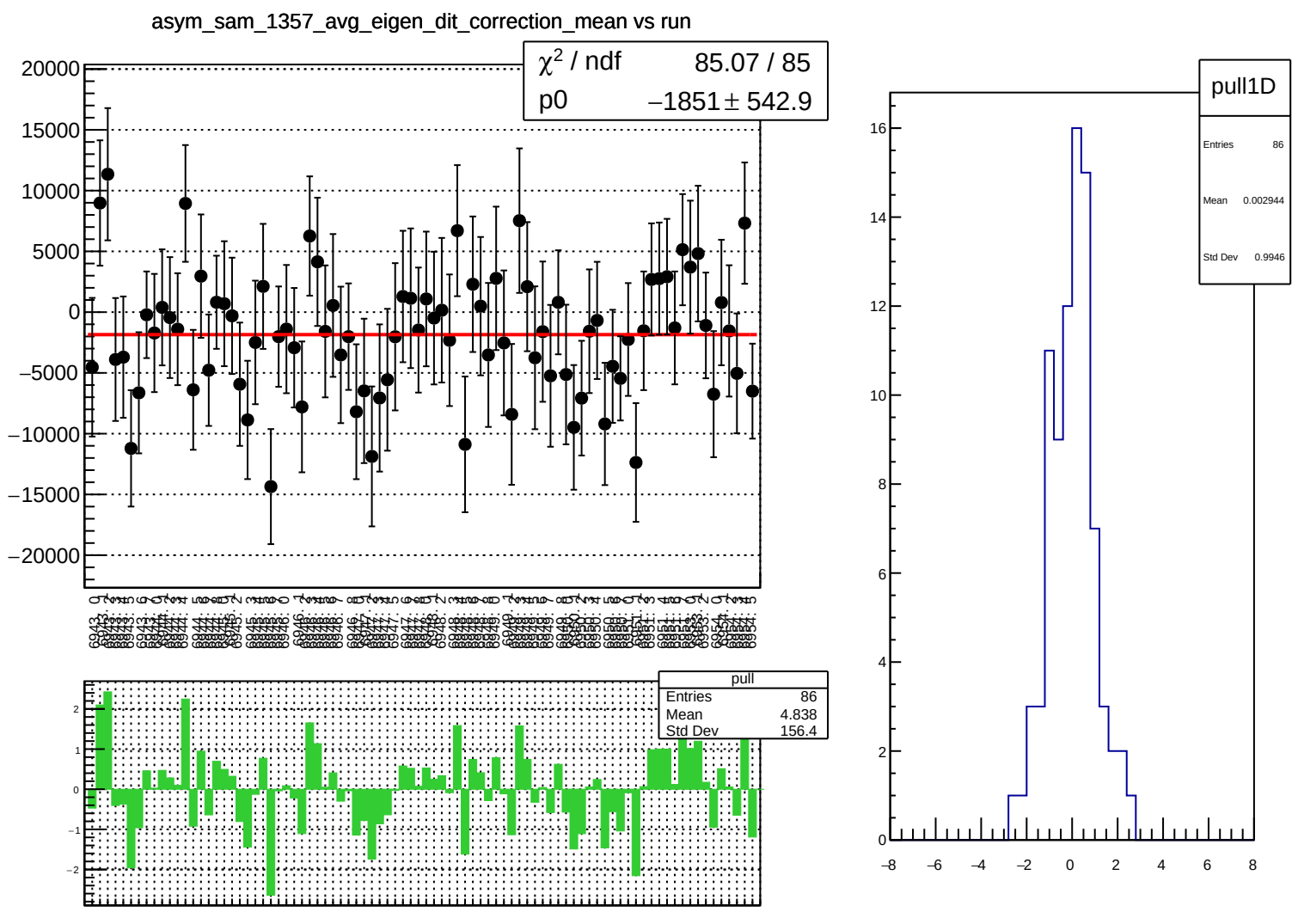

pull1D
Entries 86
Mean 0.002944
Std Dev 0.9946

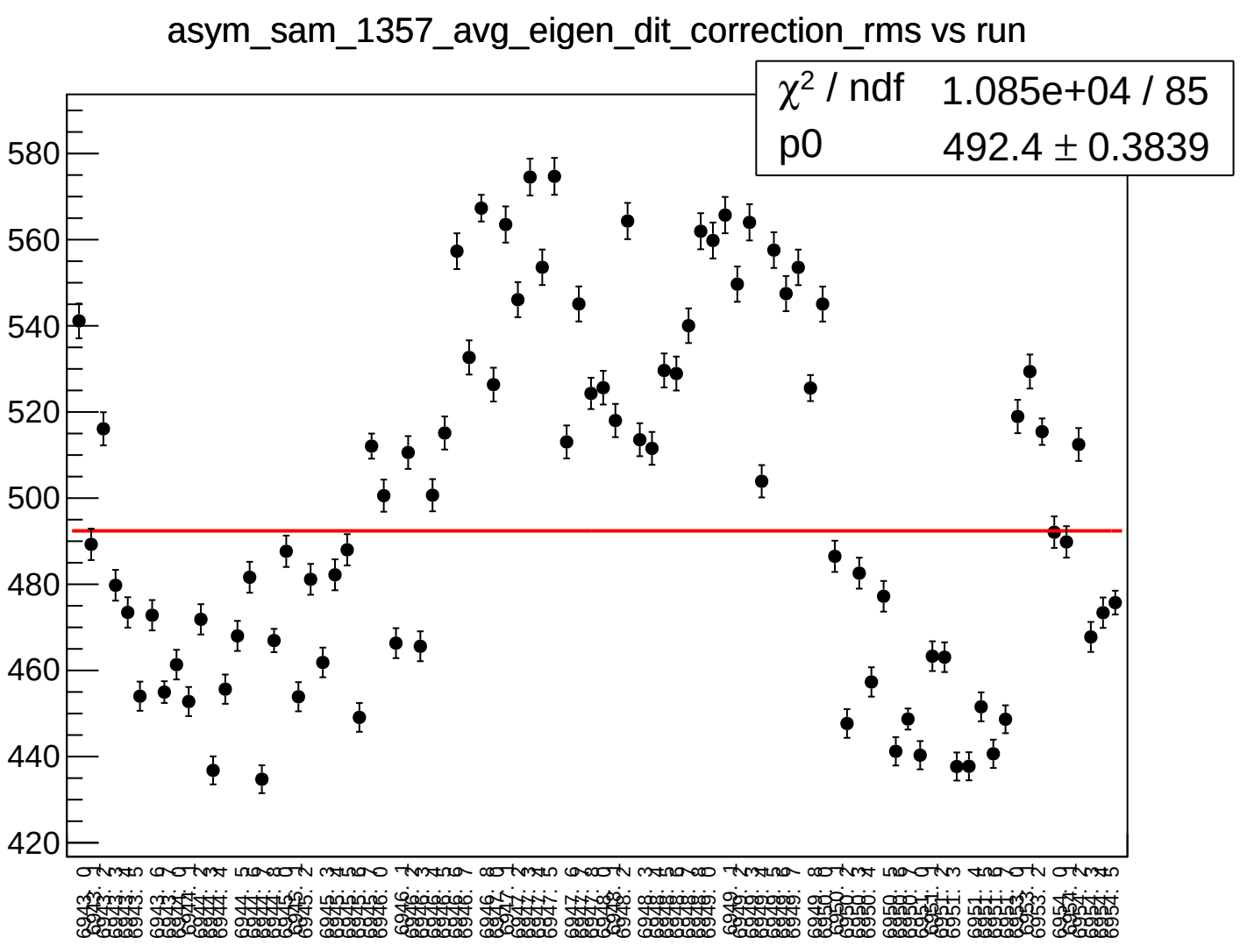

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 1.085e+04 / 85
p0 492.4 ± 0.3839
580
560
540
520
500
480
460
440
420

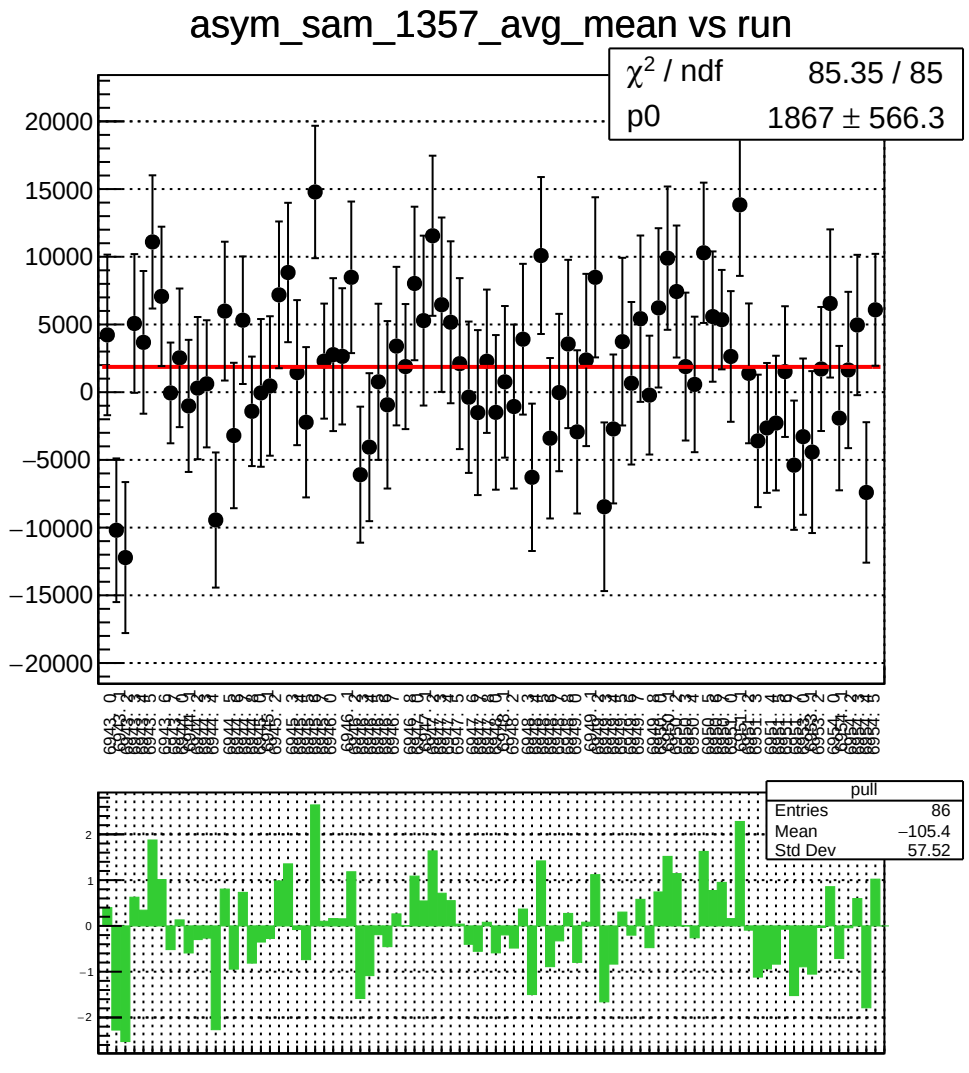

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 98.73 / 85
p0 17.5 ± 63.5
pull
Entries 86
Mean −373.6
Std Dev 0

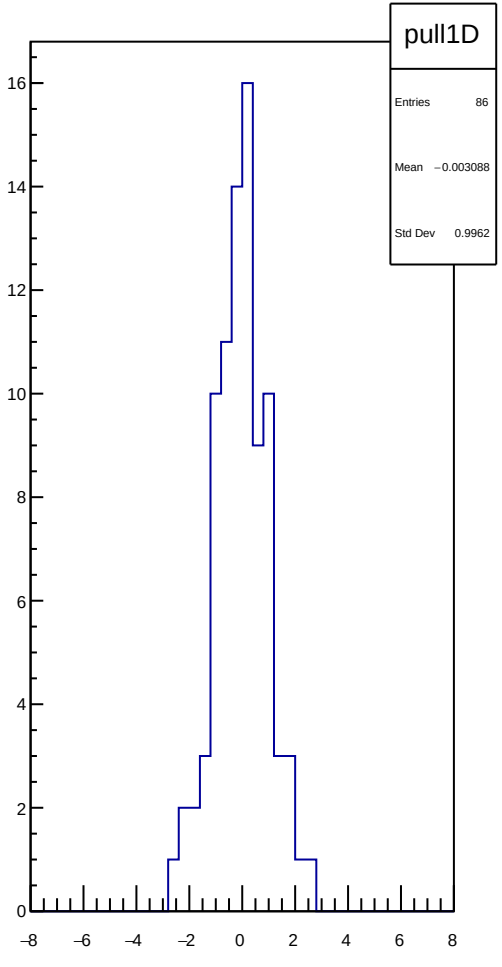

pull1D
Entries 86
Mean −0.007789
Std Dev 1.071

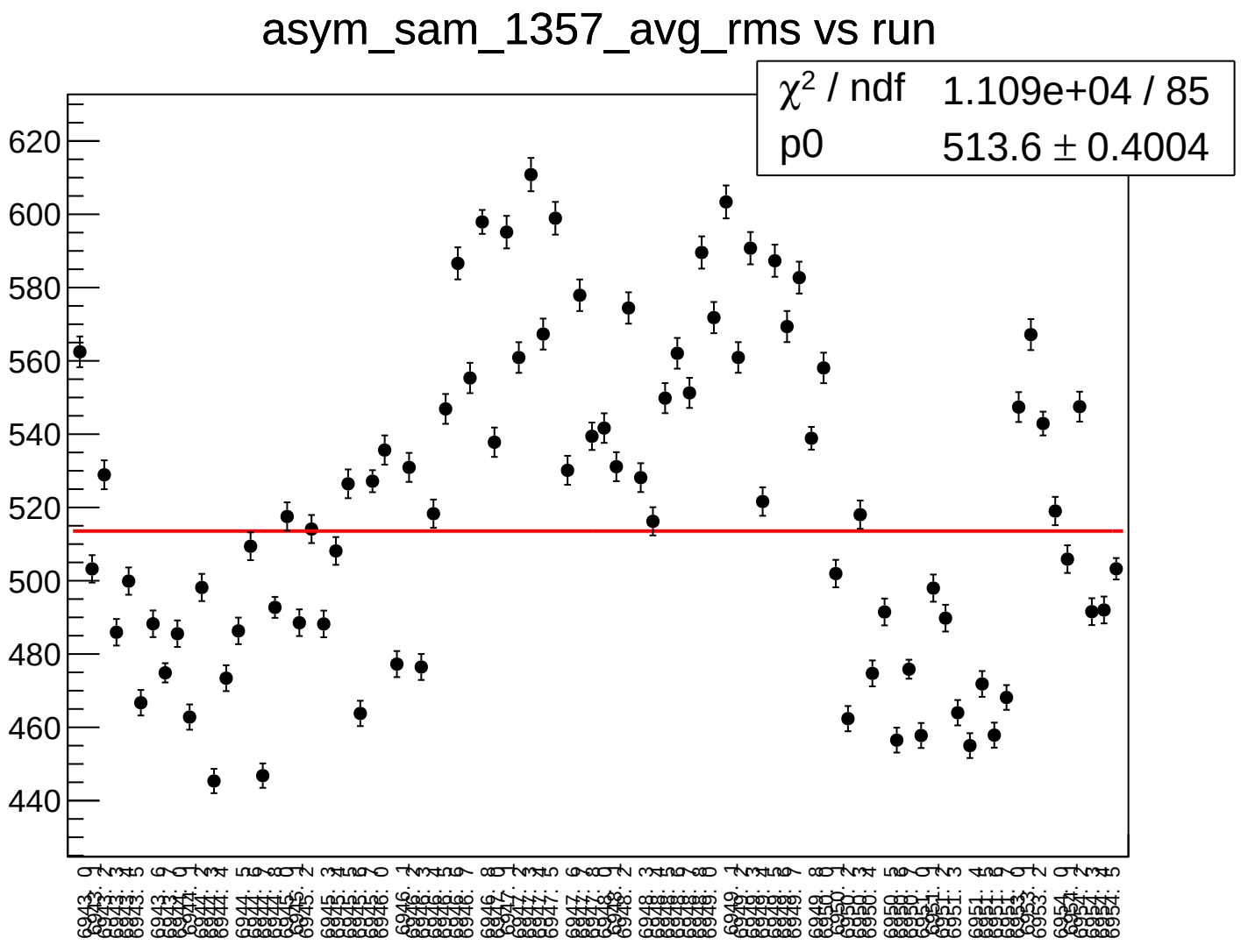

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.933e+04 / 85
p0 57.44 ± 0.0449
90
80
70
60
50

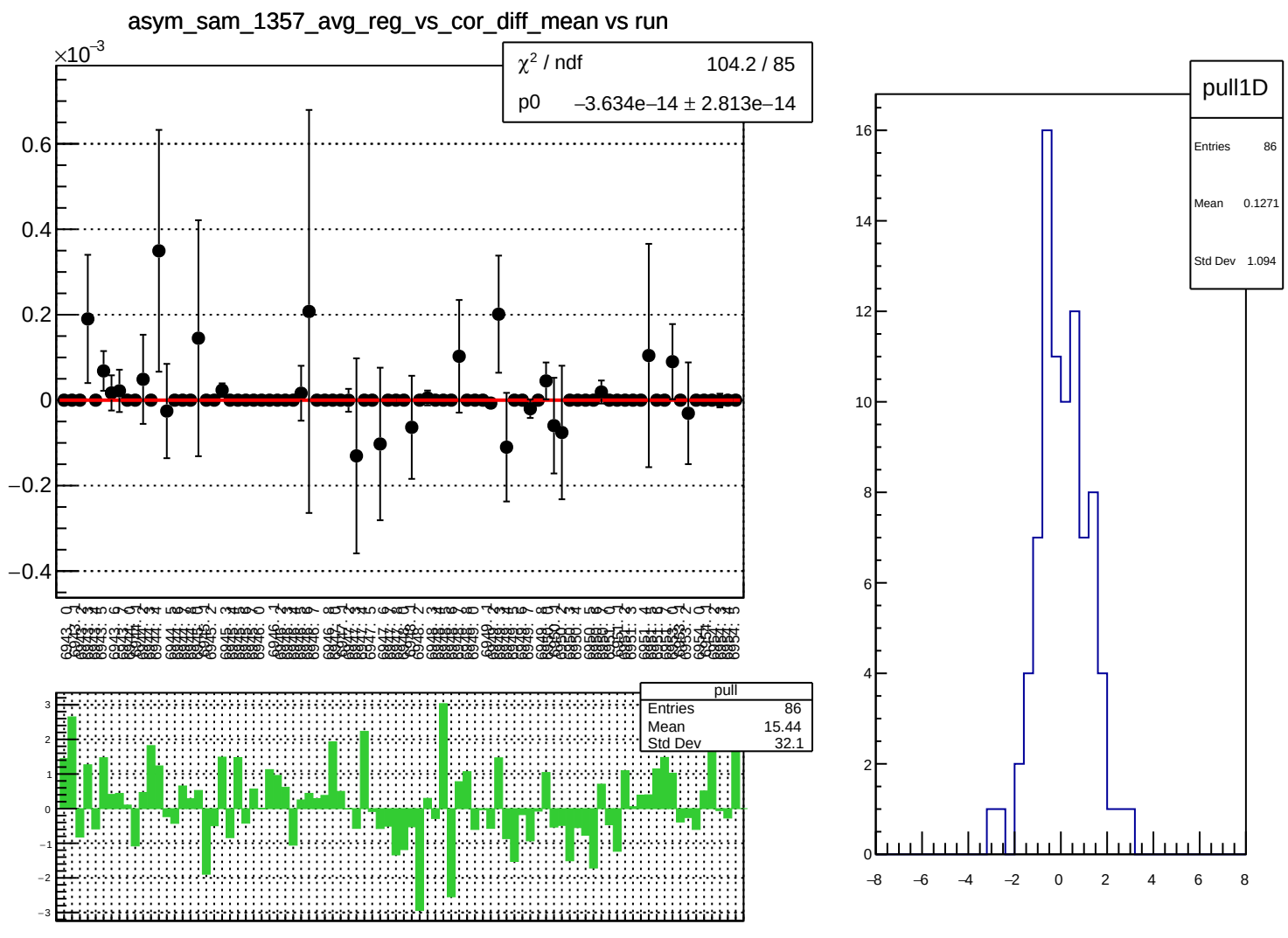

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.07 / 85
p0 −1851 ± 542.9
pull
Entries 86
Mean 4.838
Std Dev 156.4
pull1D
Entries 86
Mean 0.002944
Std Dev 0.9946

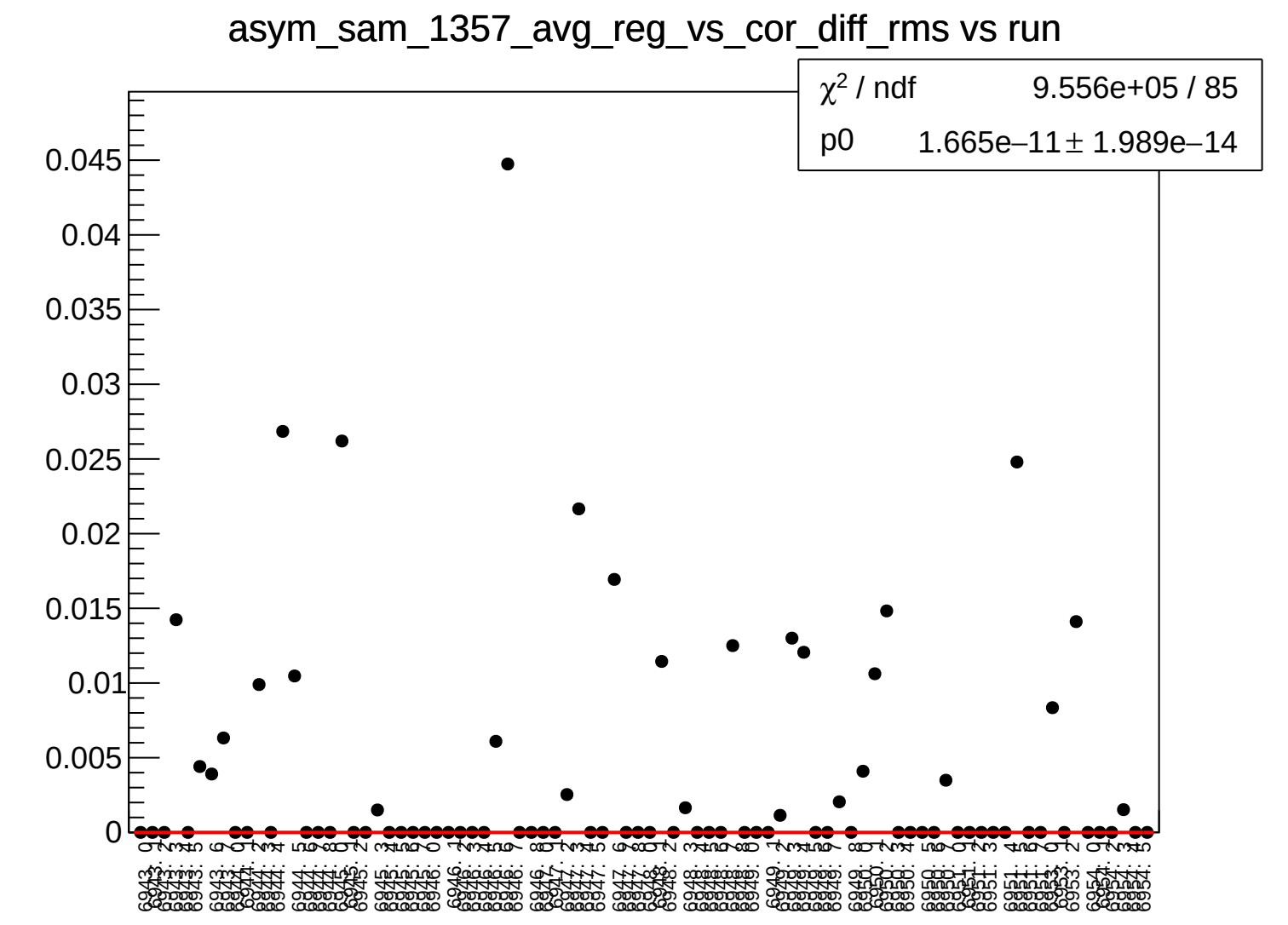

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.085e+04 / 85
p0 492.4 ± 0.3839
580
560
540
520
500
480
460
440
420

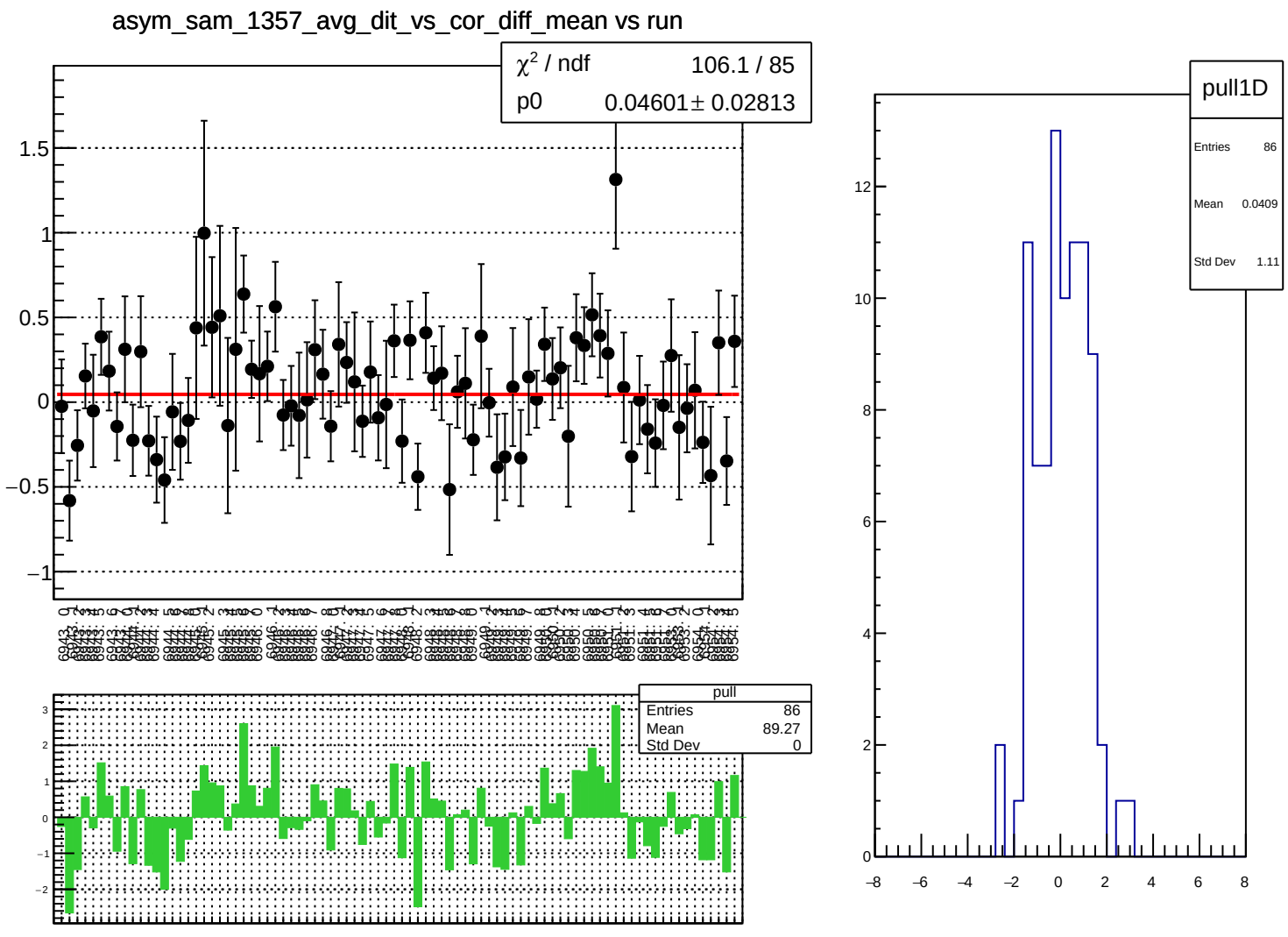

asym_sam_1357_avg_mean vs run
χ² / ndf 85.35 / 85
p0 1867 ± 566.3
pull
Entries 86
Mean −105.4
Std Dev 57.52

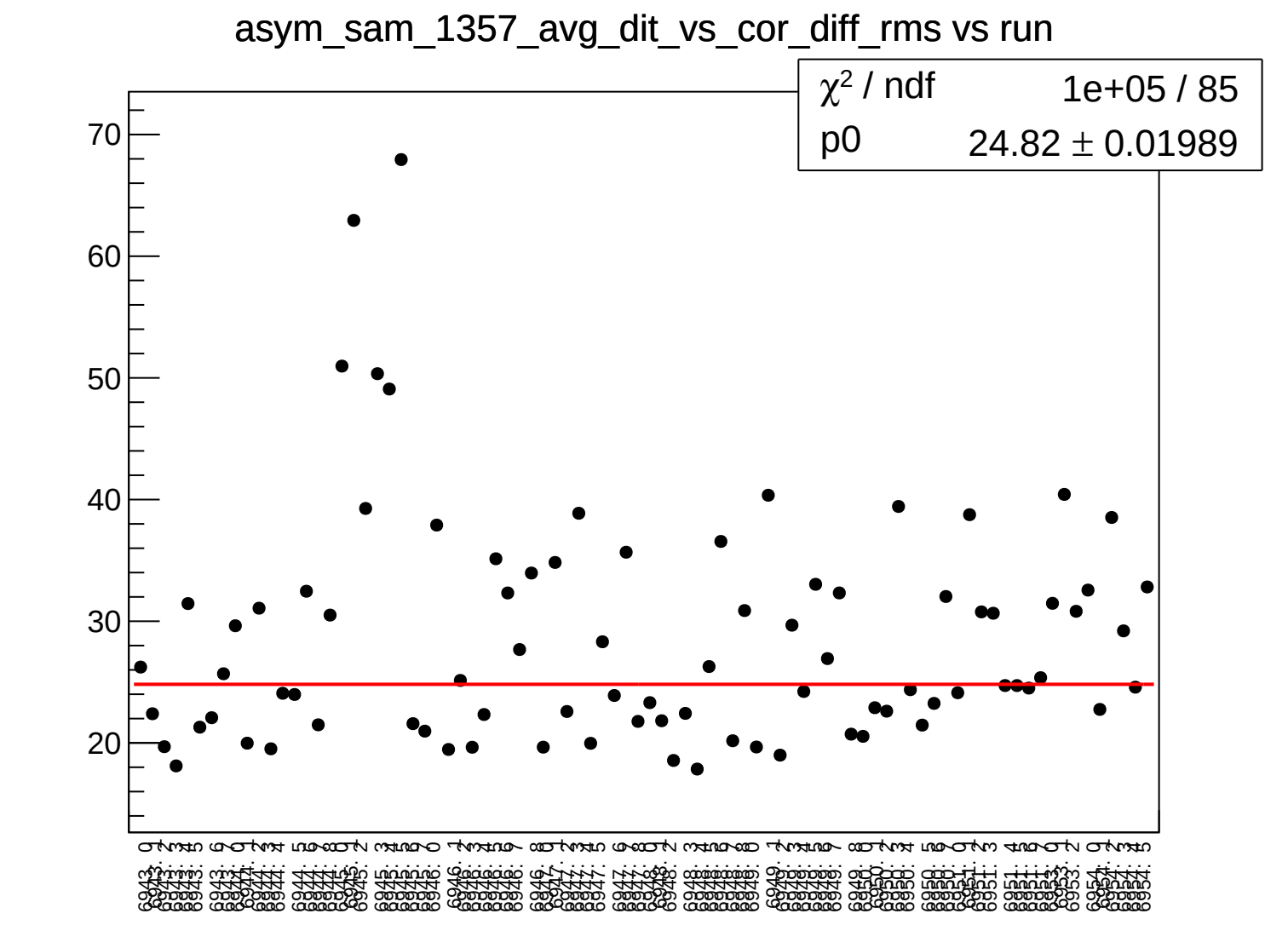

pull1D
Entries 86
Mean −0.003088
Std Dev 0.9962

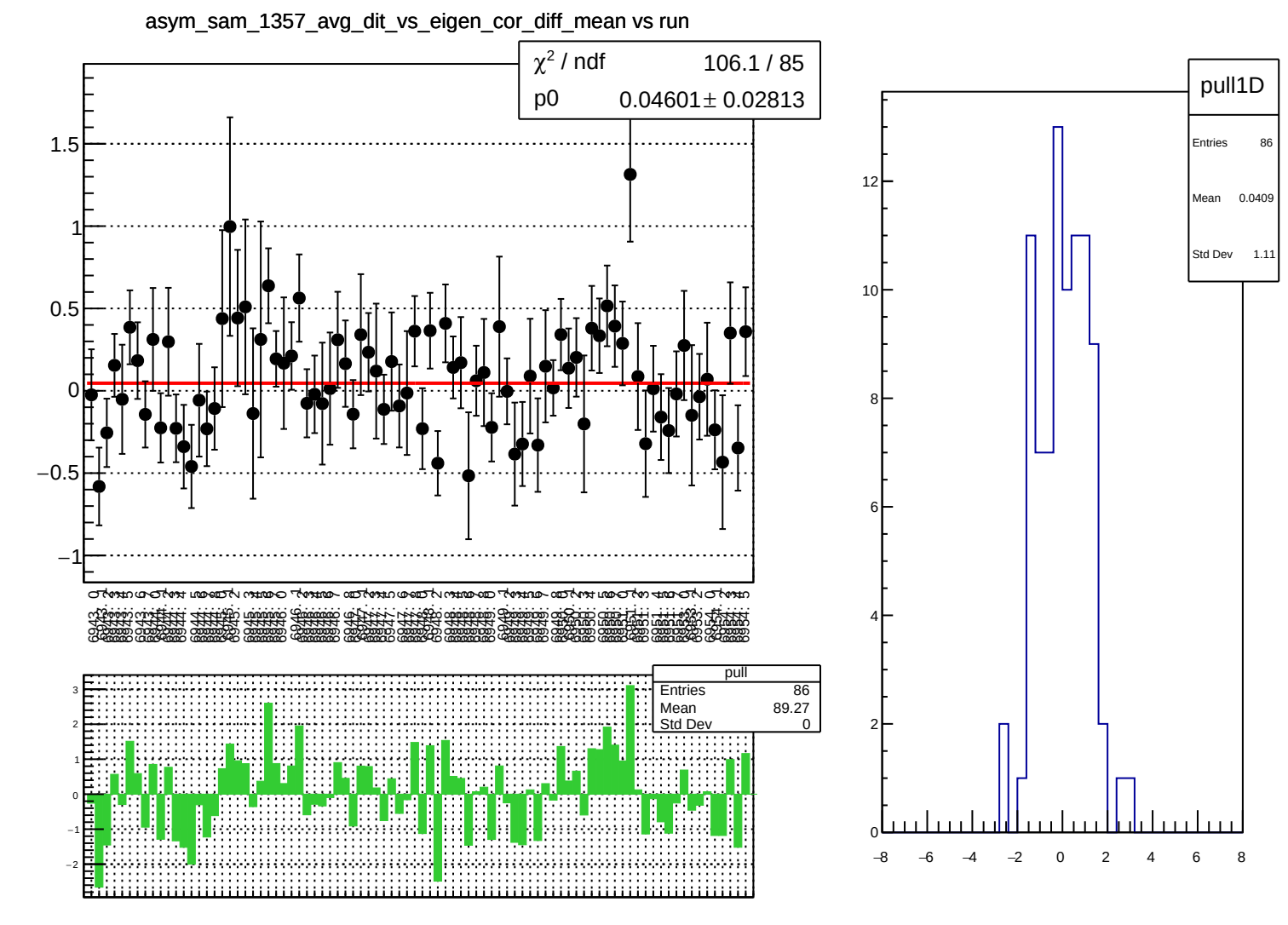

asym_sam_1357_avg_rms vs run
χ² / ndf 1.109e+04 / 85
p0 513.6 ± 0.4004
620
600
580
560
540
520
500
480
460
440

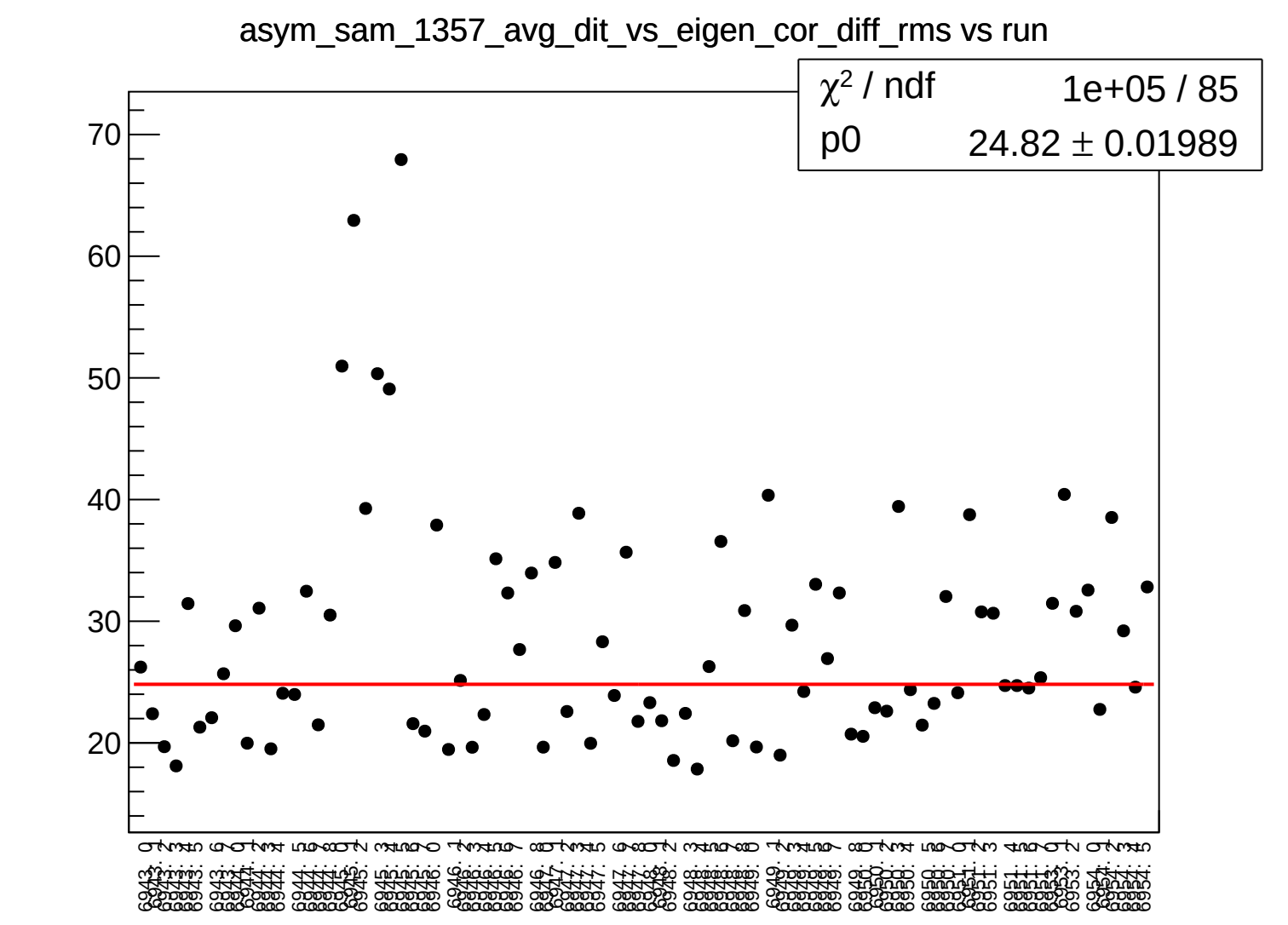

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 104.2 / 85
p0 −3.634e−14 ± 2.813e−14
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 86
Mean 15.44
Std Dev 32.1
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.1271
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

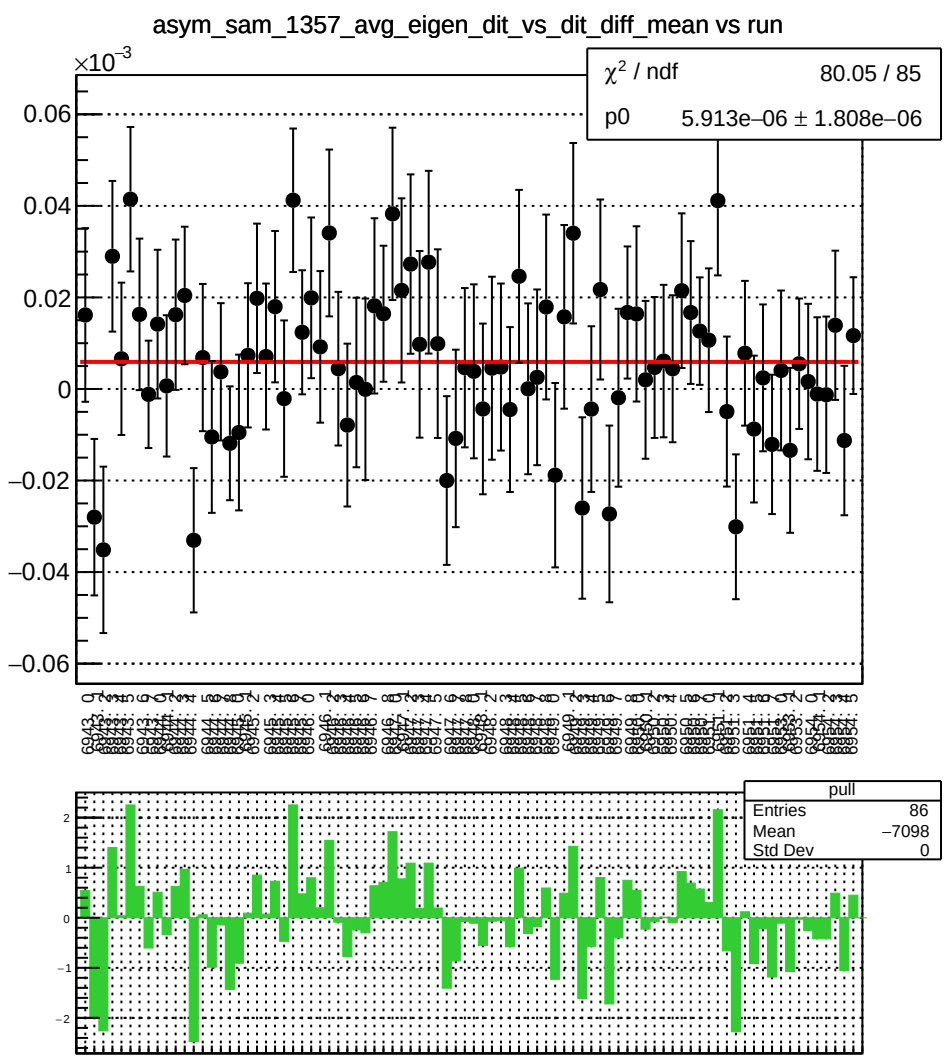

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.556e+05 / 85
p0 1.665e−11 ± 1.989e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

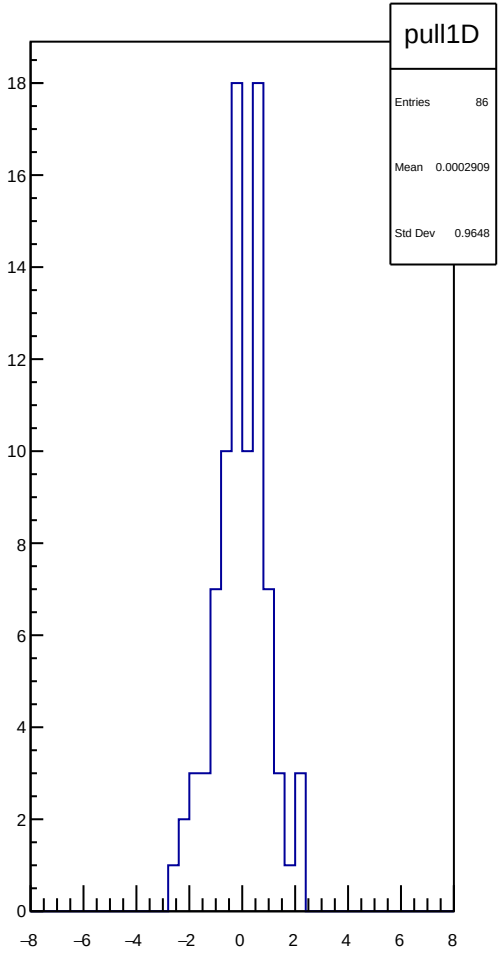

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 106.1 / 85
p0 0.04601 ± 0.02813
pull
Entries 86
Mean 89.27
Std Dev 0
pull1D
Entries 86
Mean 0.0409
Std Dev 1.11

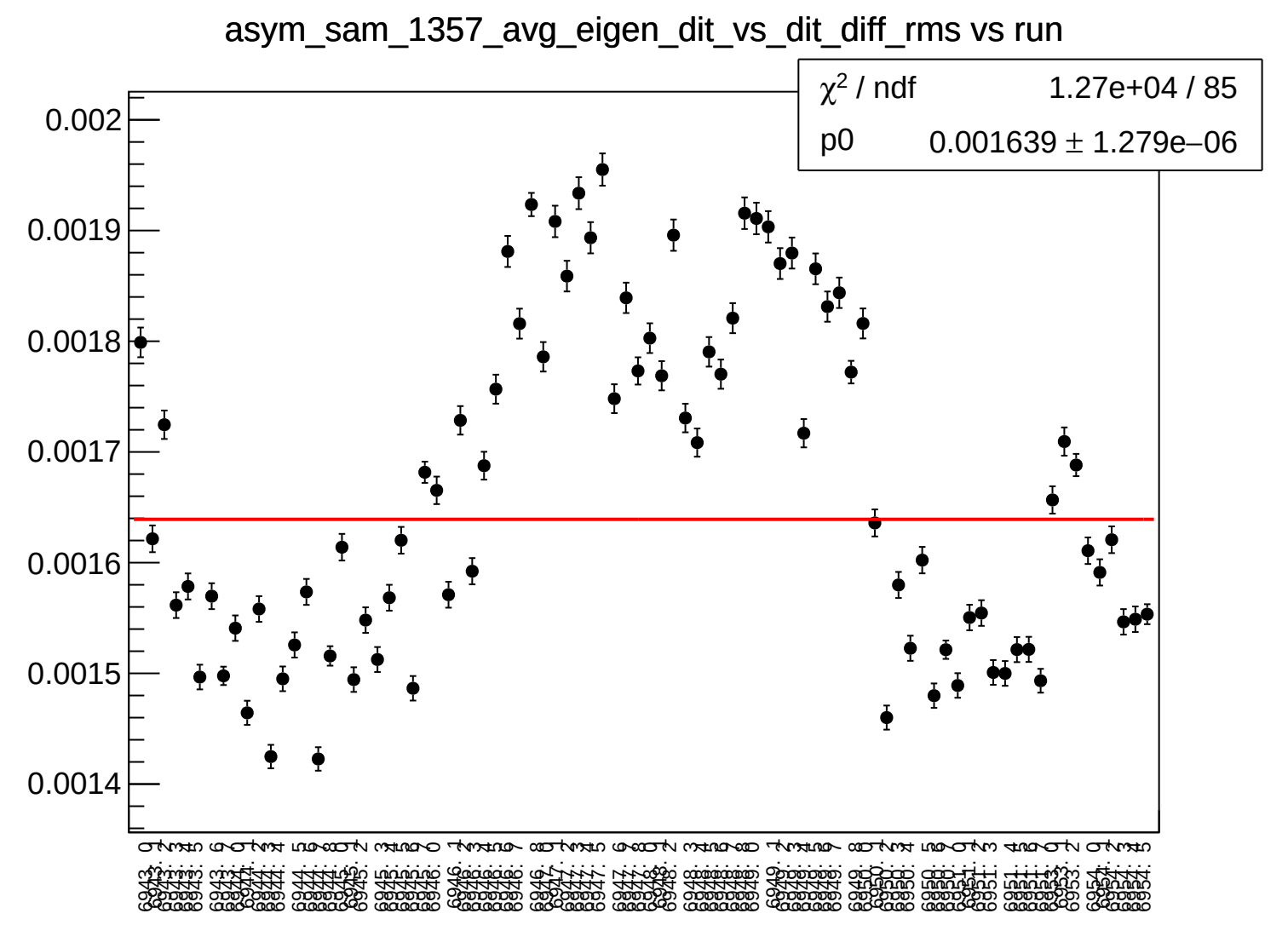

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1e+05 / 85
p0 24.82 ± 0.01989
70
60
50
40
30
20

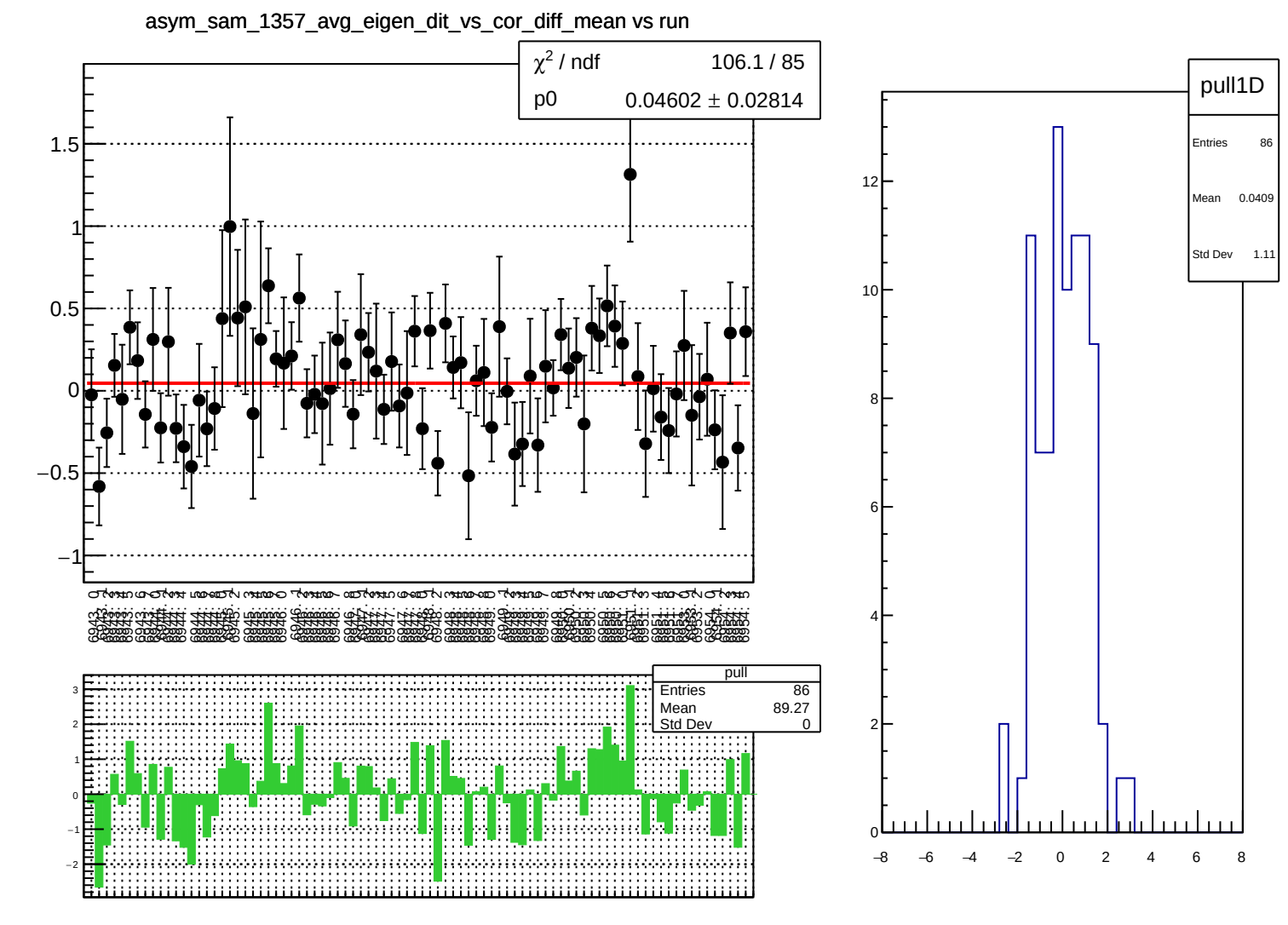

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.1 / 85
p0 0.04601 ± 0.02813
pull
Entries 86
Mean 89.27
Std Dev 0
pull1D
Entries 86
Mean 0.0409
Std Dev 1.11

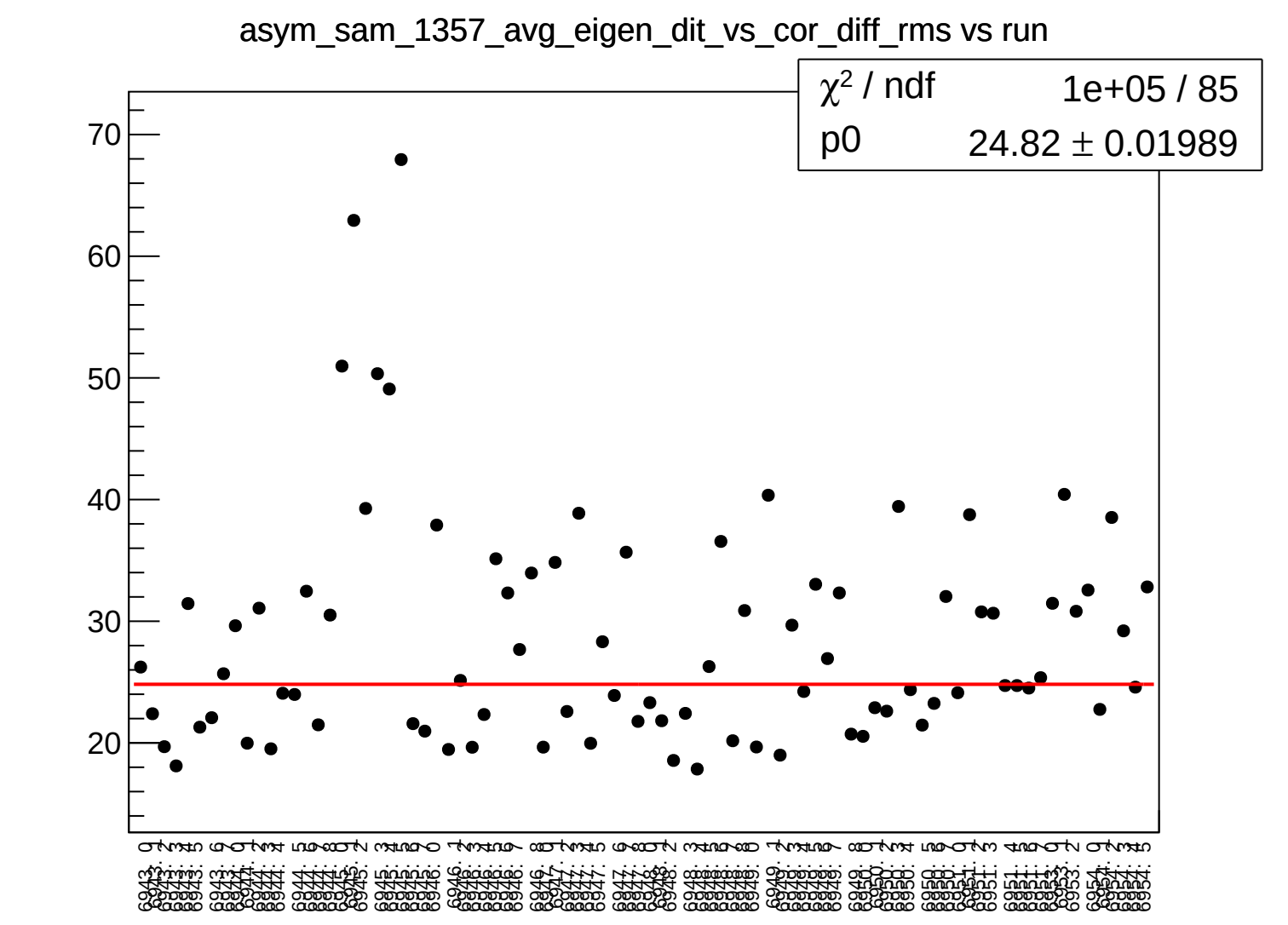

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1e+05 / 85
p0 24.82 ± 0.01989
70
60
50
40
30
20

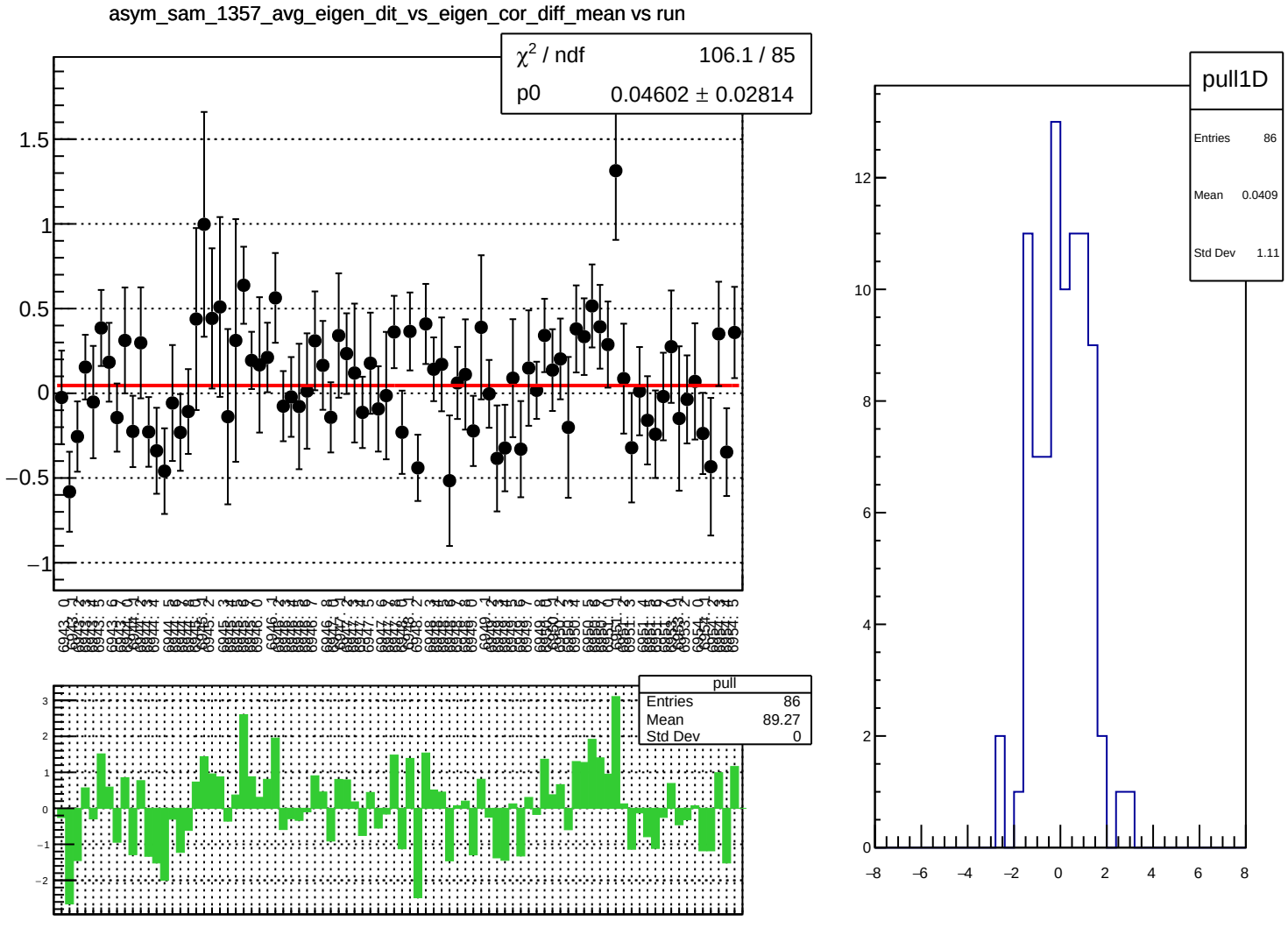

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.05 / 85
p0 5.913e−06 ± 1.808e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 86
Mean −7098
Std Dev 0
2
1
0
−1
−2

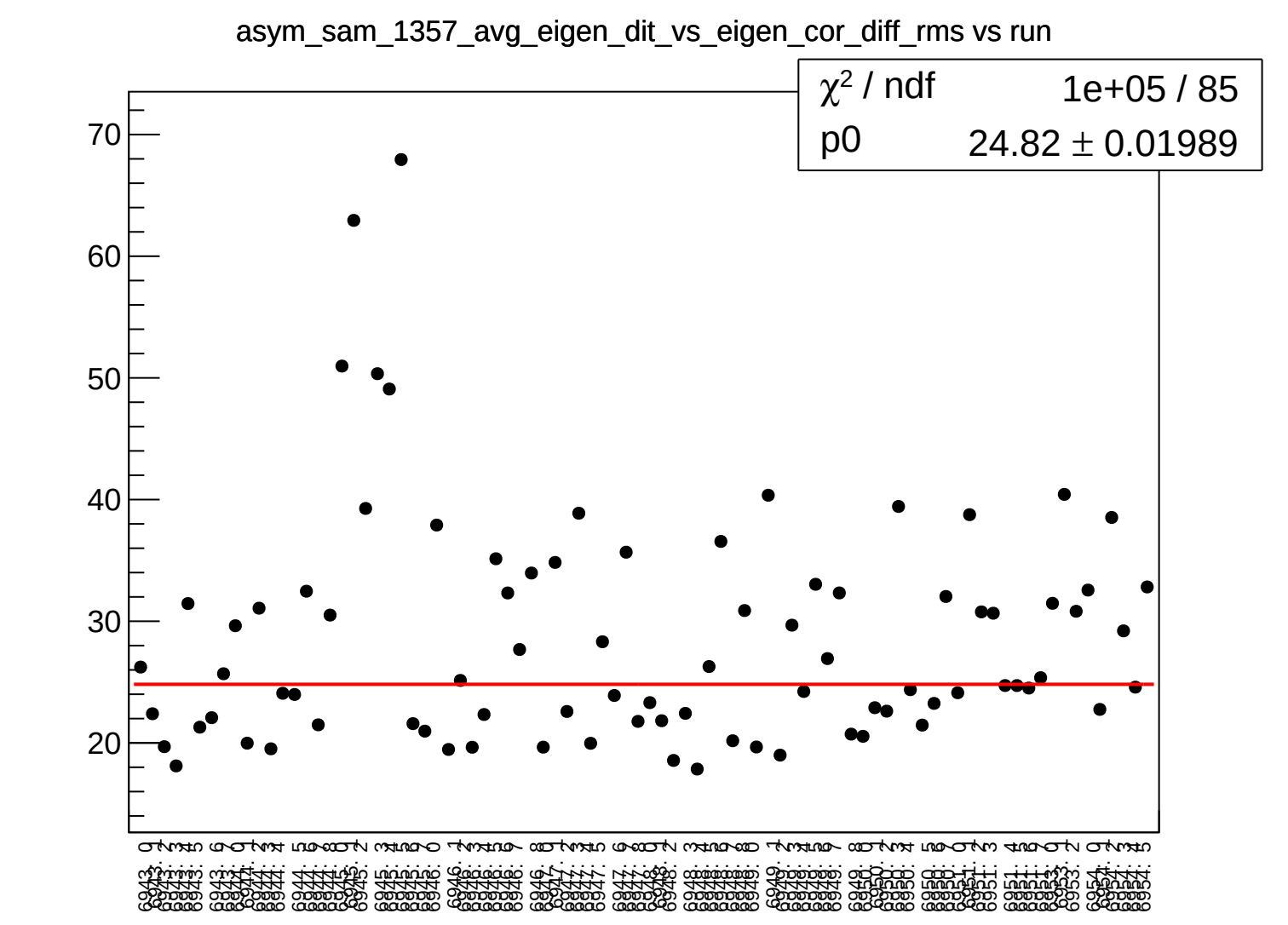

pull1D
Entries 86
Mean 0.0002909
Std Dev 0.9648
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

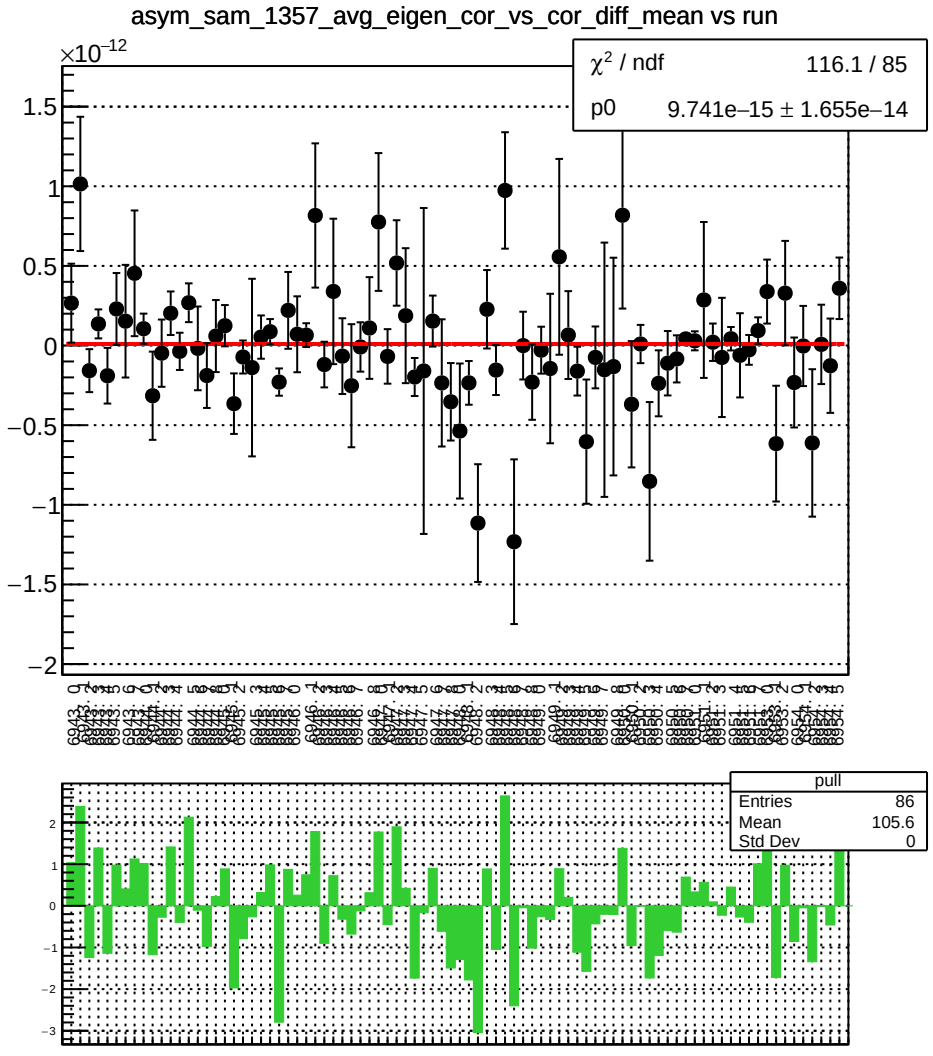

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.27e+04 / 85
p0 0.001639 ± 1.279e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014

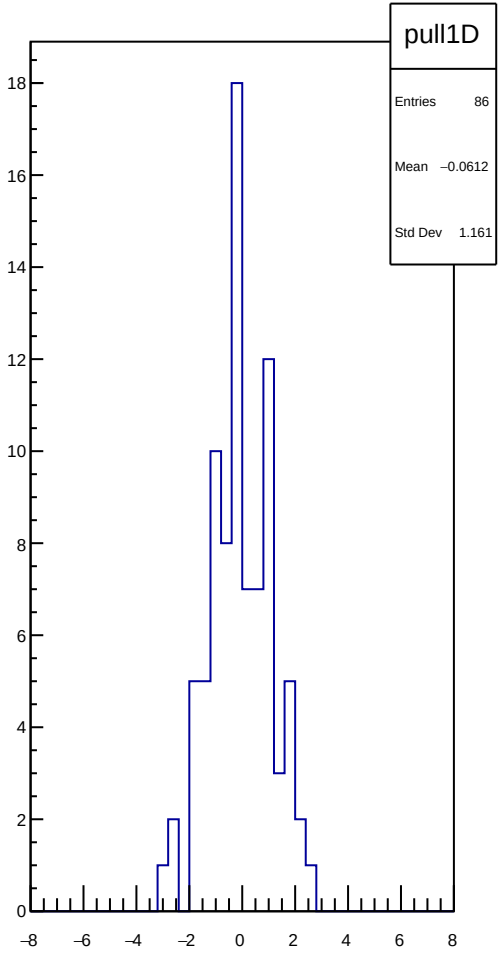

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.1 / 85
p0 0.04602 ± 0.02814
pull
Entries 86
Mean 89.27
Std Dev 0
pull1D
Entries 86
Mean 0.0409
Std Dev 1.11

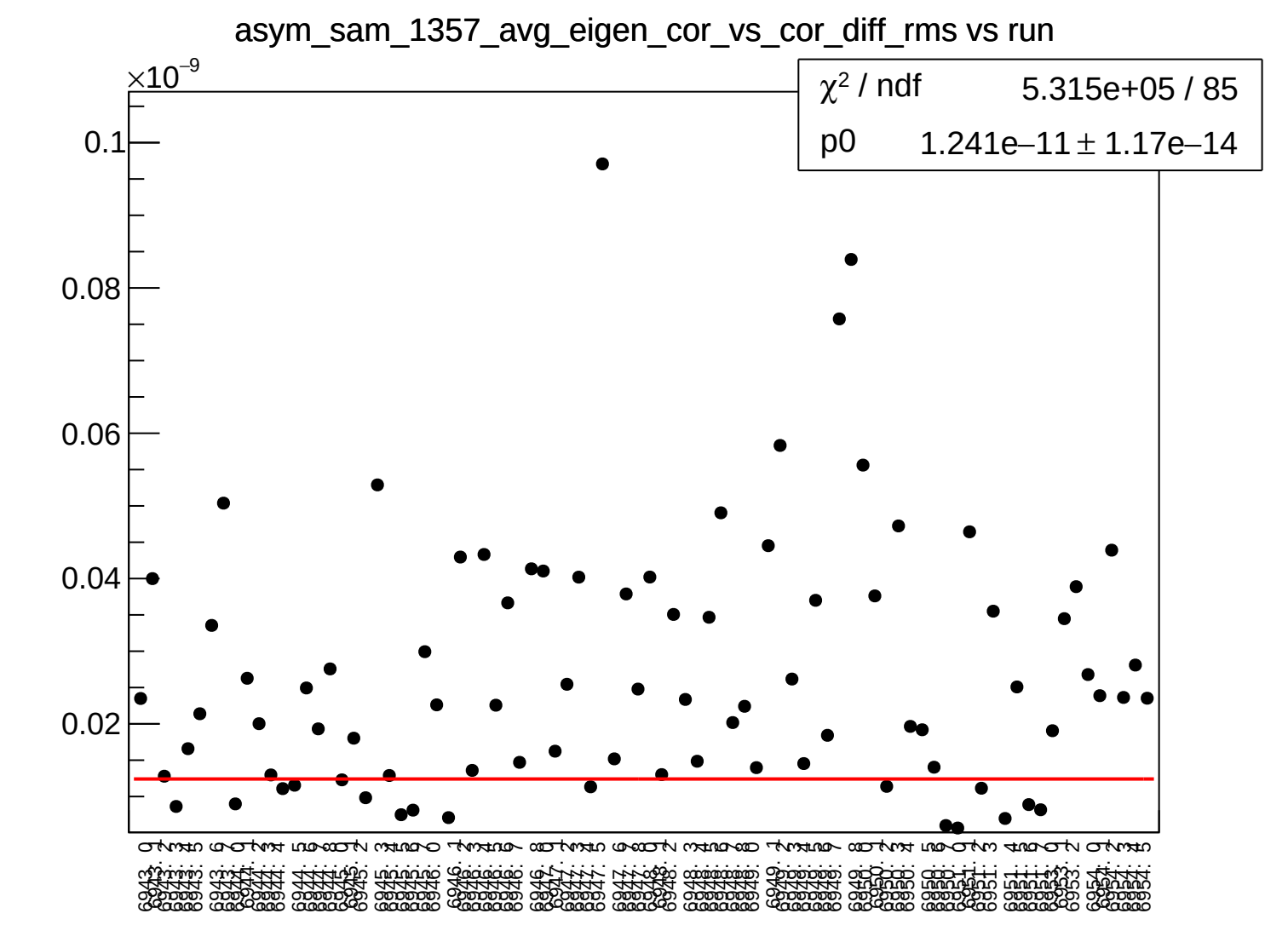

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1e+05 / 85
p0 24.82 ± 0.01989
70
60
50
40
30
20

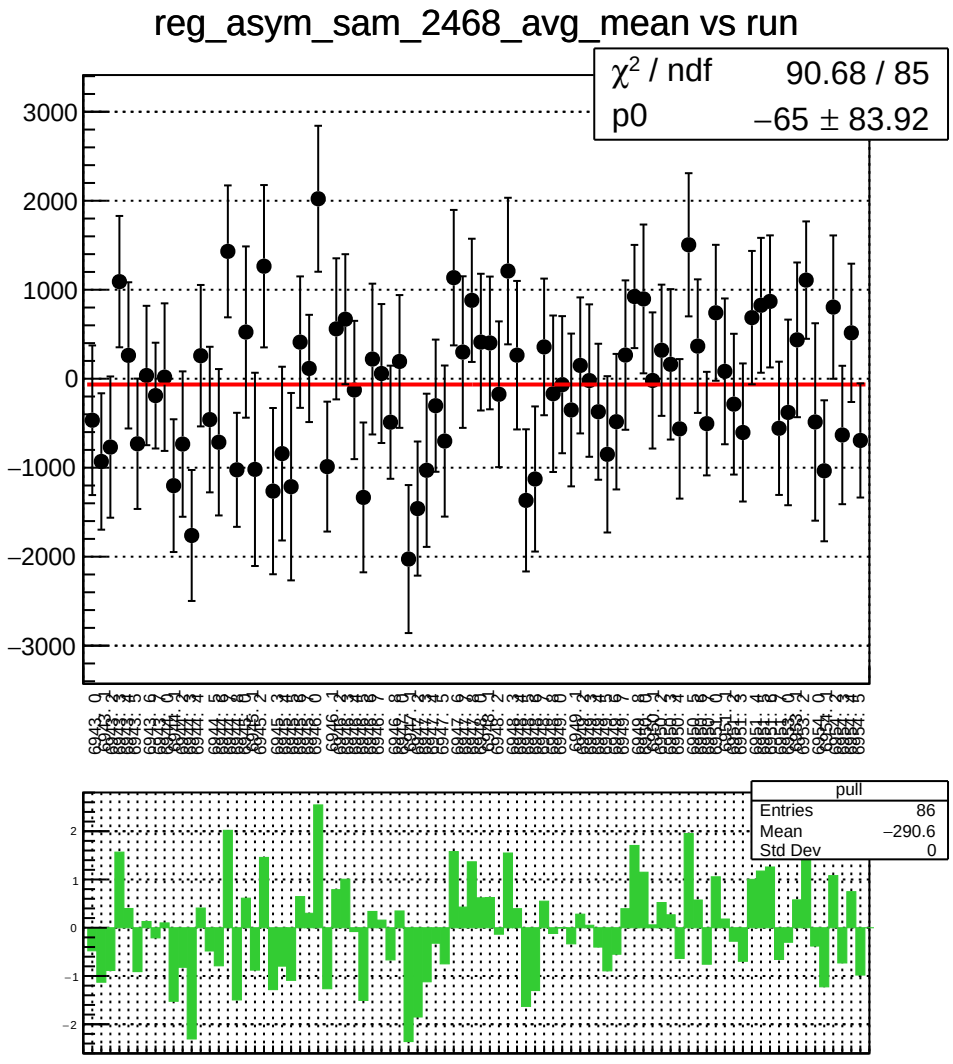

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.1 / 85
p0 0.04602 ± 0.02814
pull
Entries 86
Mean 89.27
Std Dev 0
pull1D
Entries 86
Mean 0.0409
Std Dev 1.11

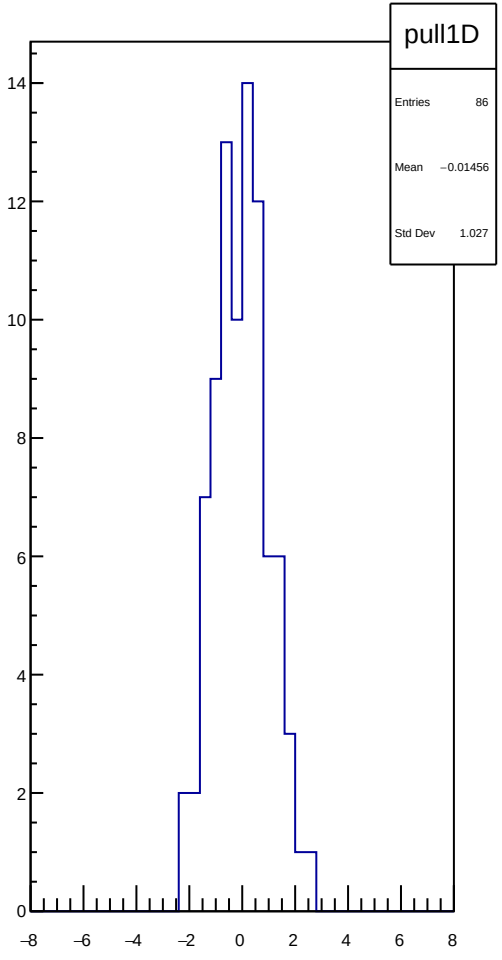

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1e+05 / 85
p0 24.82 ± 0.01989
70
60
50
40
30
20

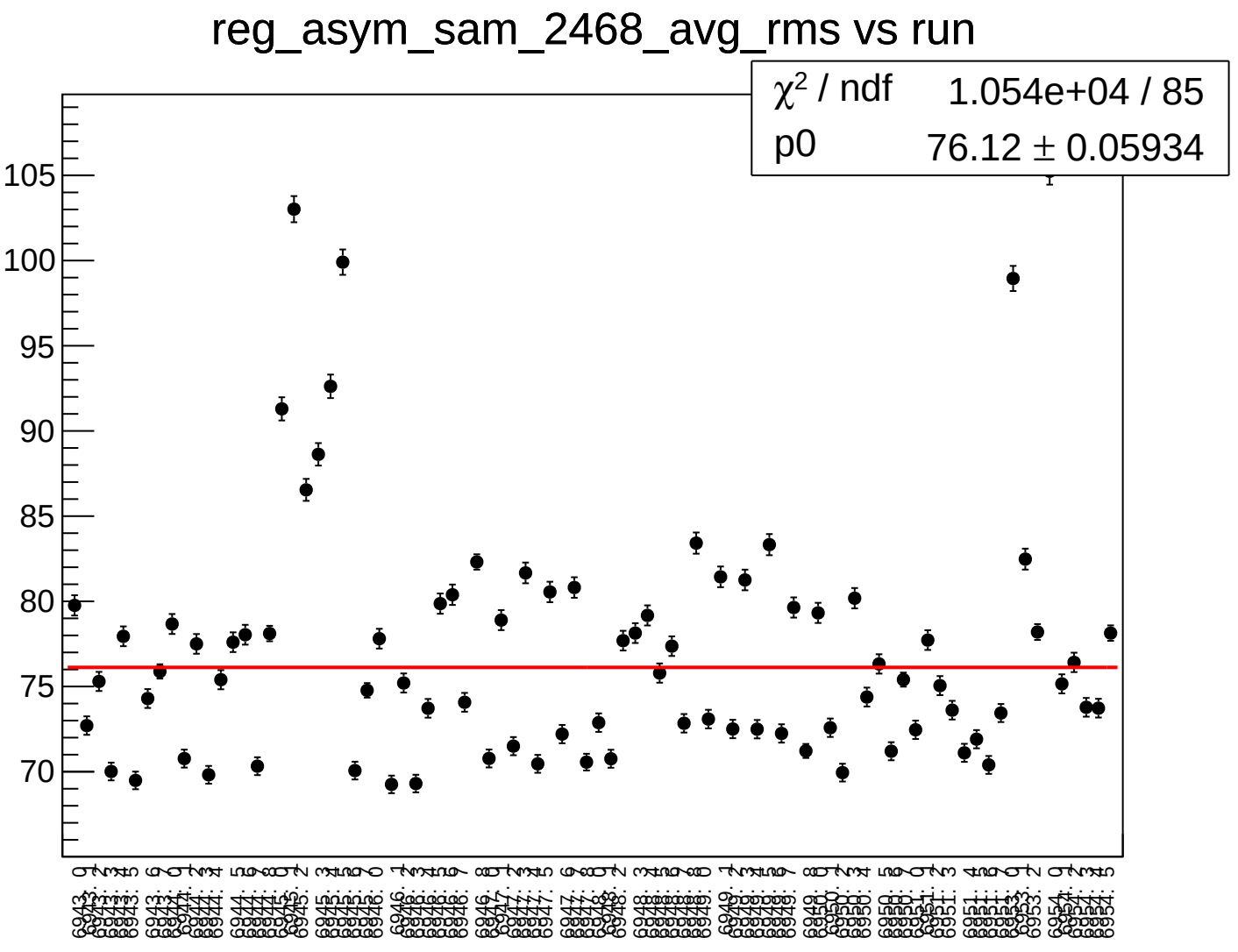

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 116.1 / 85
p0 9.741e−15 ± 1.655e−14
pull
Entries 86
Mean 105.6
Std Dev 0

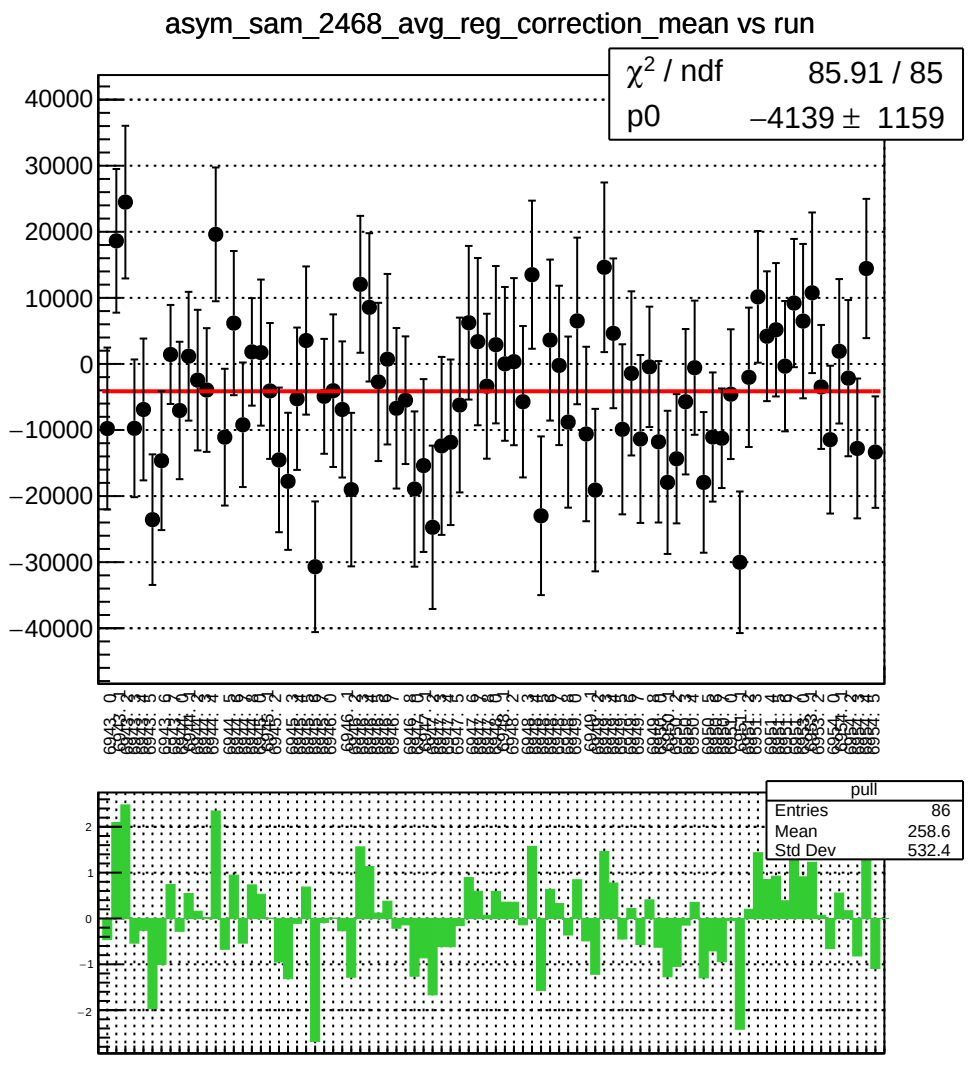

pull1D
Entries 86
Mean −0.0612
Std Dev 1.161

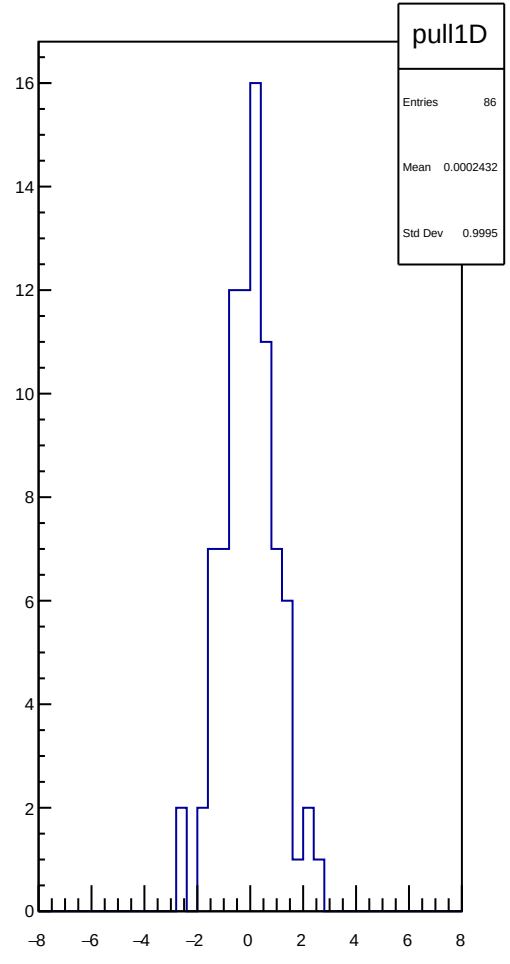

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.315e+05 / 85
p0 1.241e−11 ± 1.17e−14
0.1
0.08
0.06
0.04
0.02

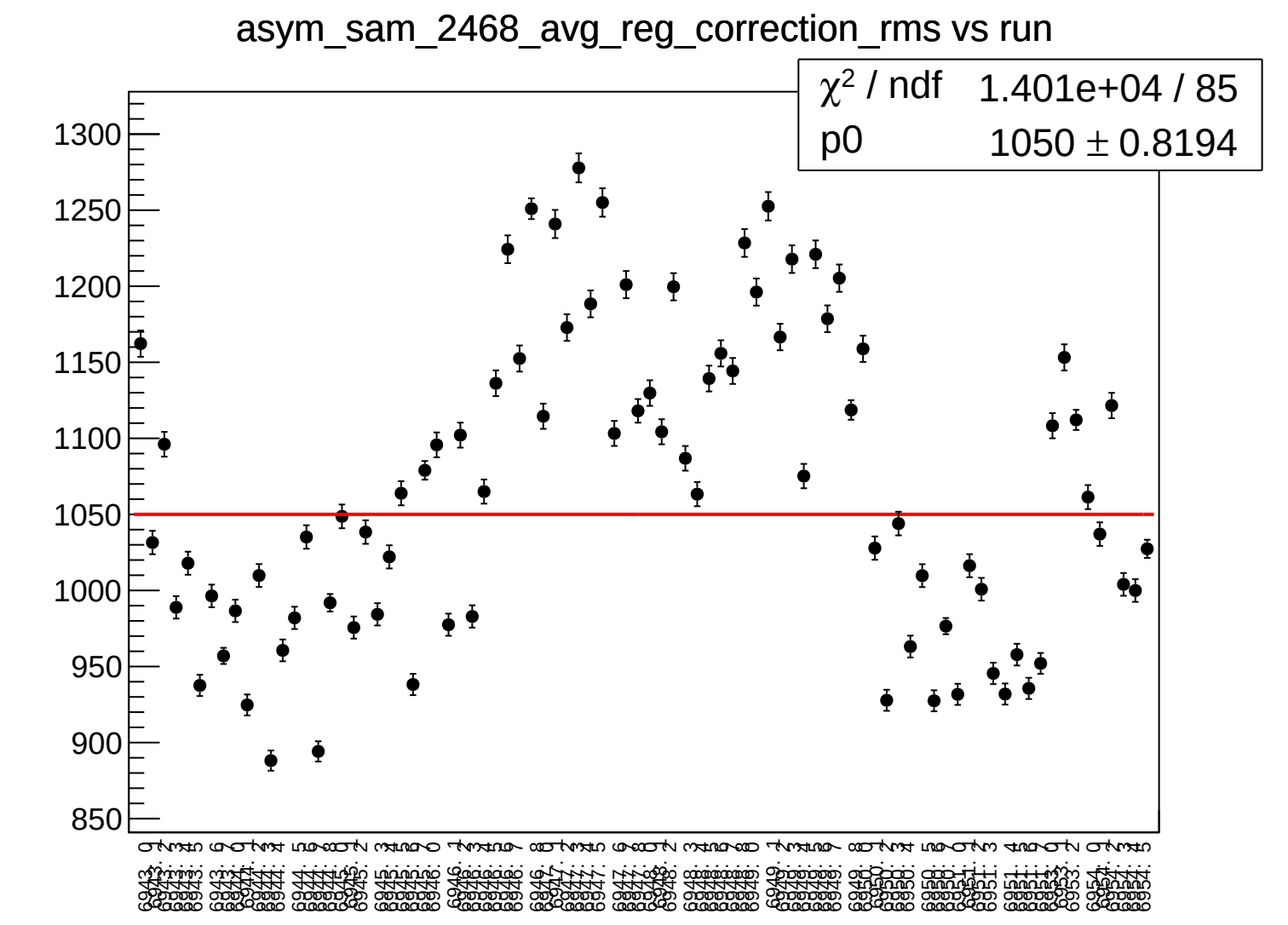

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 90.68 / 85
p0 −65 ± 83.92
pull
Entries 86
Mean −290.6
Std Dev 0

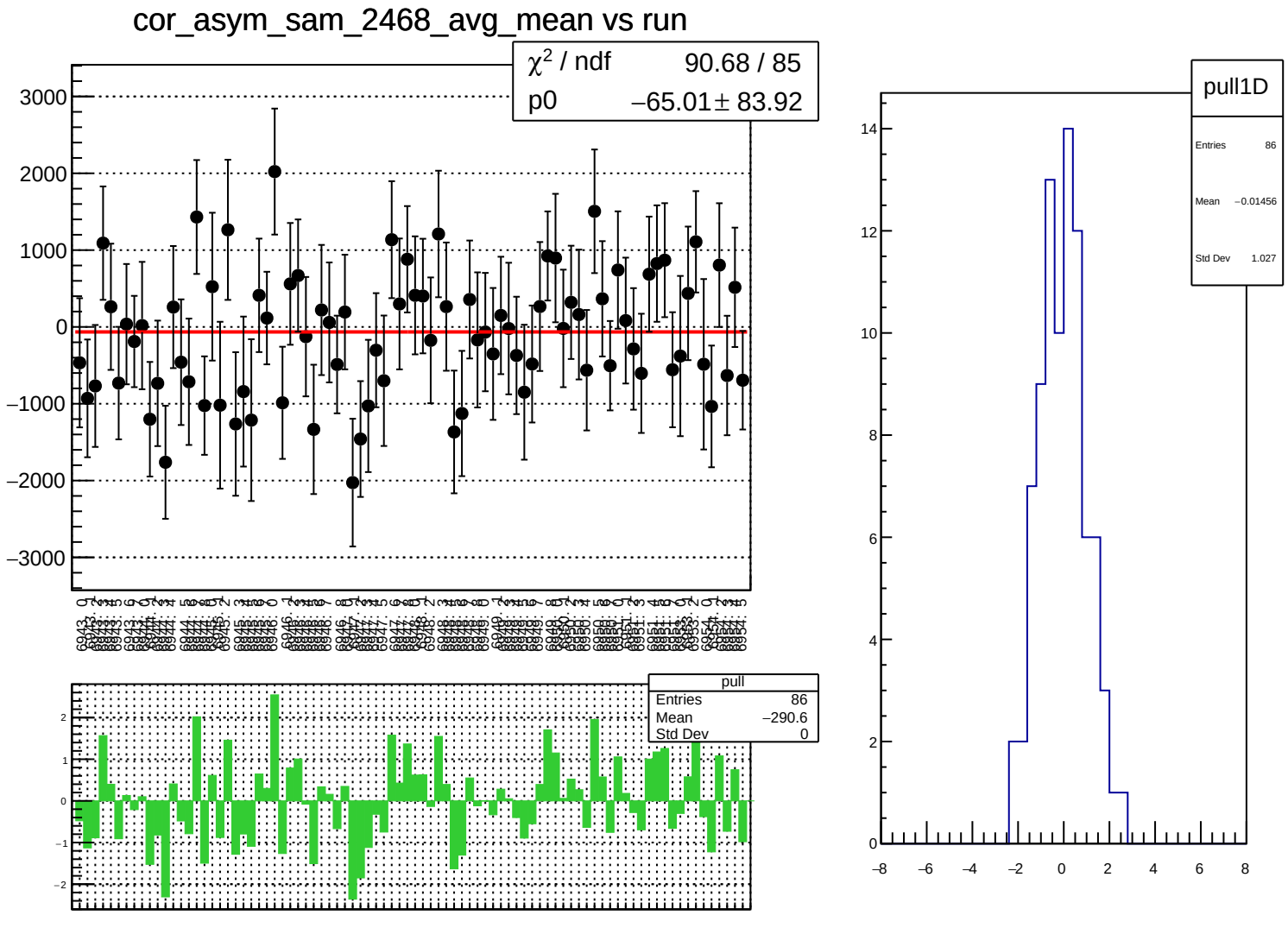

pull1D
Entries 86
Mean −0.01456
Std Dev 1.027

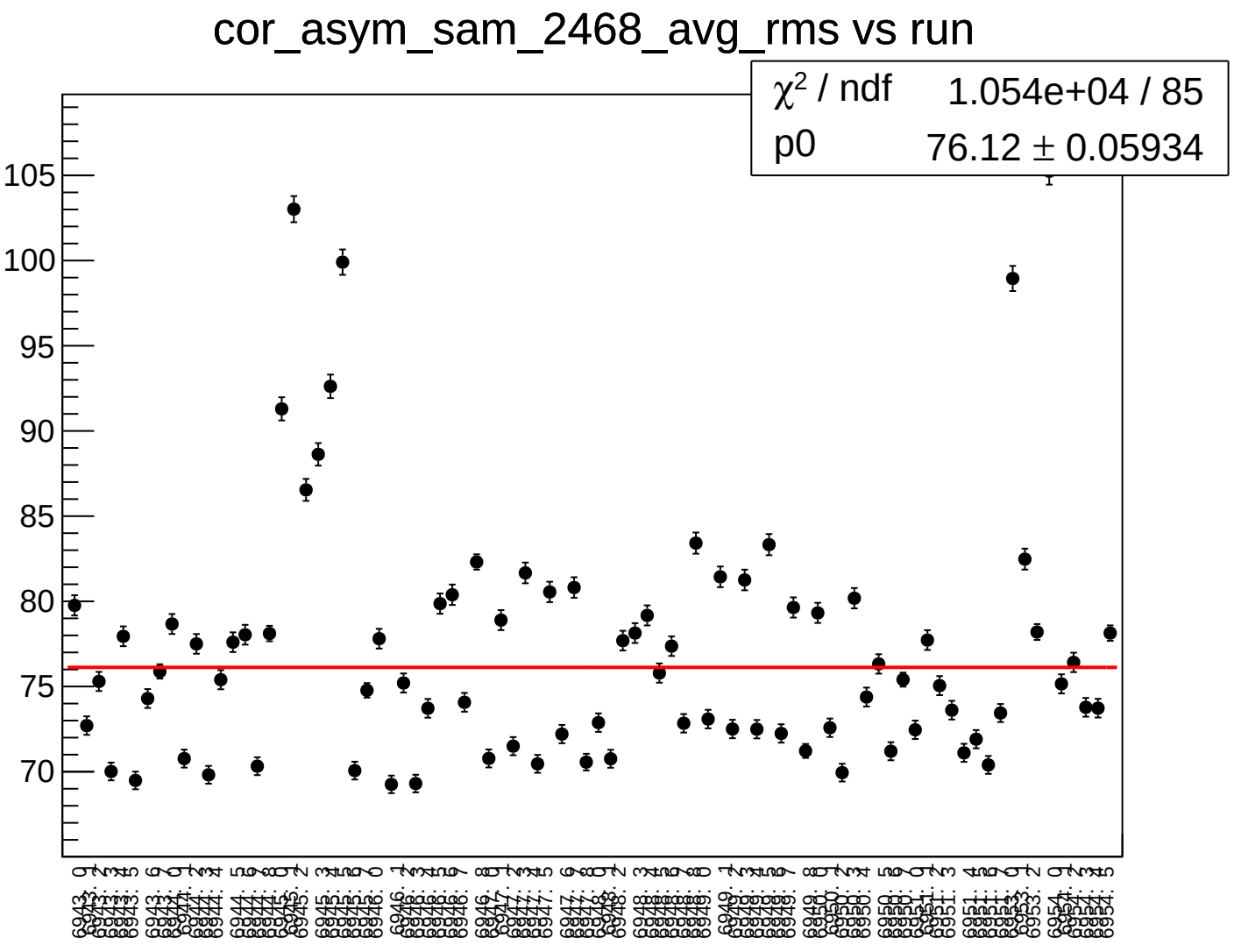

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.054e+04 / 85
p0 76.12 ± 0.05934
105
100
95
90
85
80
75
70

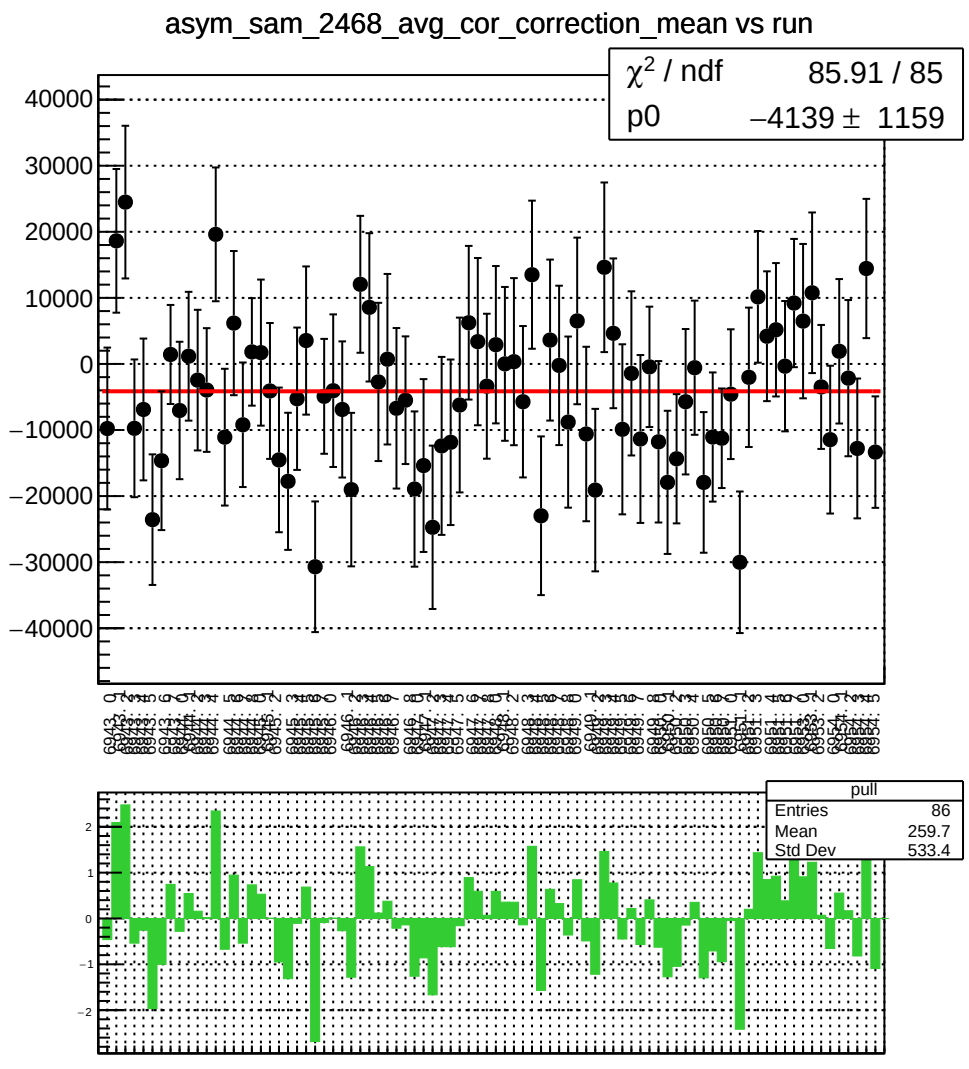

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 85.91 / 85
p0 −4139 ± 1159
pull
Entries 86
Mean 258.6
Std Dev 532.4

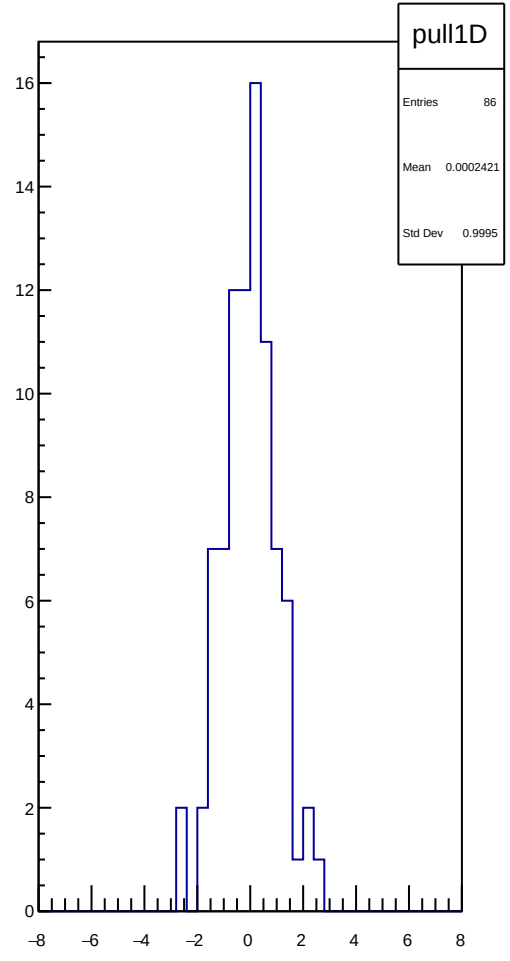

pull1D
Entries 86
Mean 0.0002432
Std Dev 0.9995

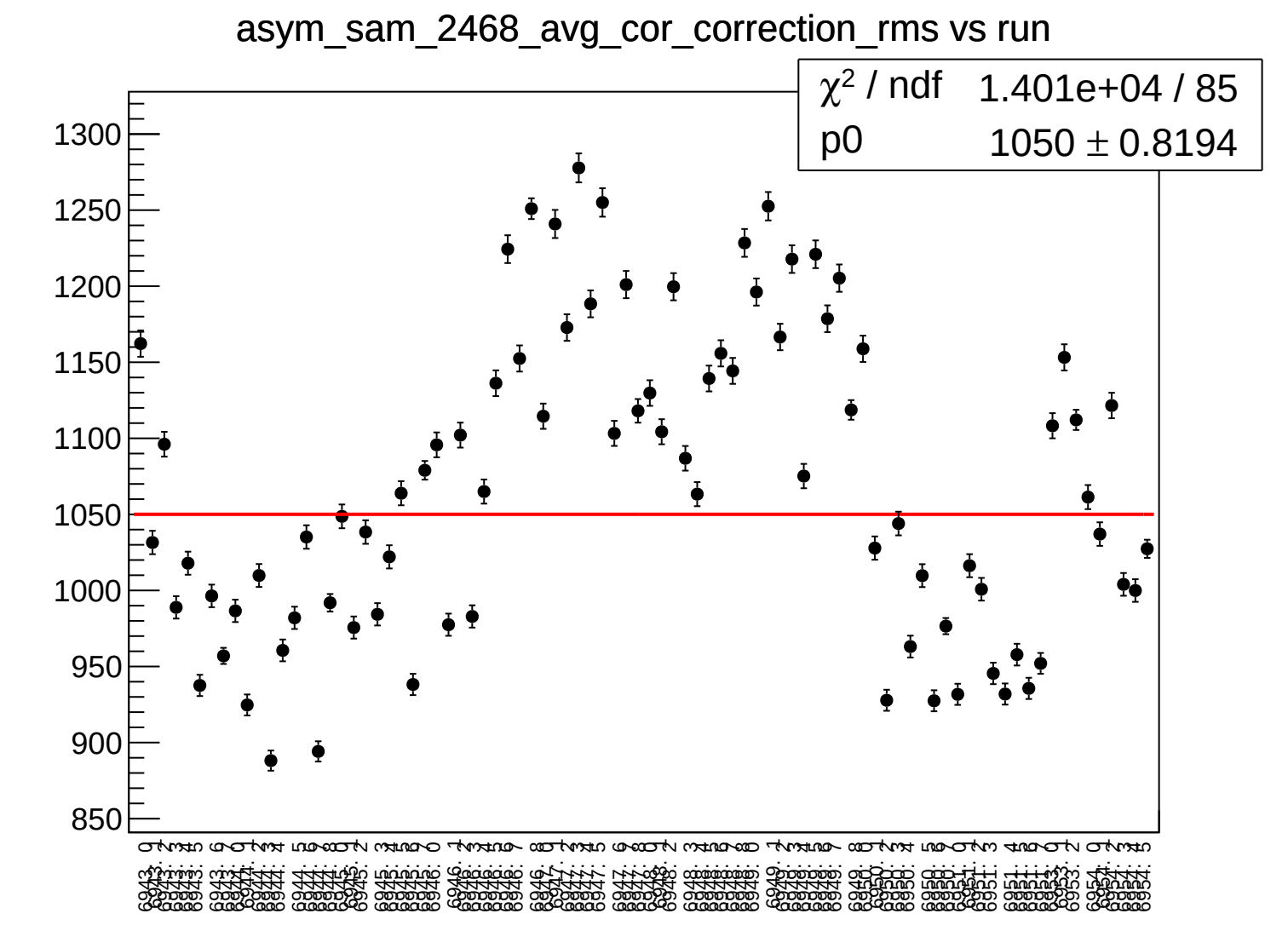

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1.401e+04 / 85
p0 1050 ± 0.8194
1300
1250
1200
1150
1100
1050
1000
950
900
850

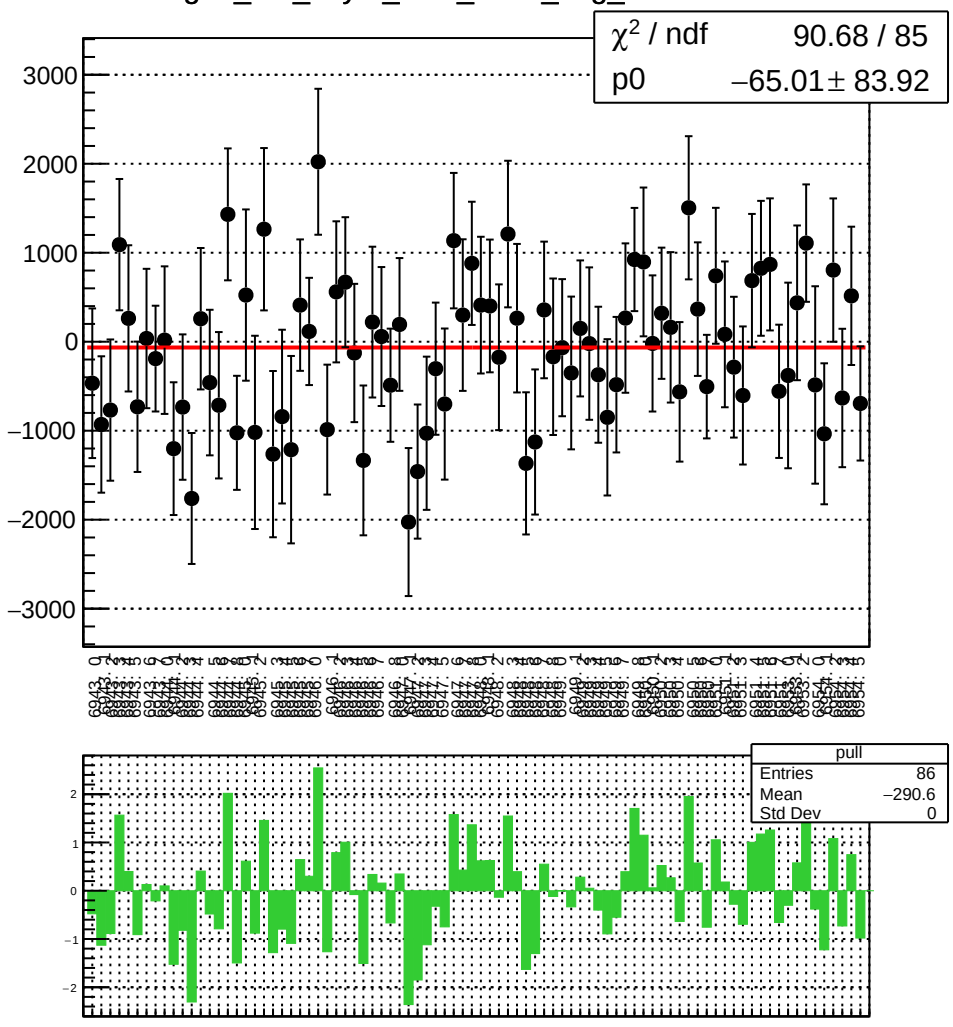

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 90.68 / 85
p0 −65.01 ± 83.92
pull
Entries 86
Mean −290.6
Std Dev 0
pull1D
Entries 86
Mean −0.01456
Std Dev 1.027

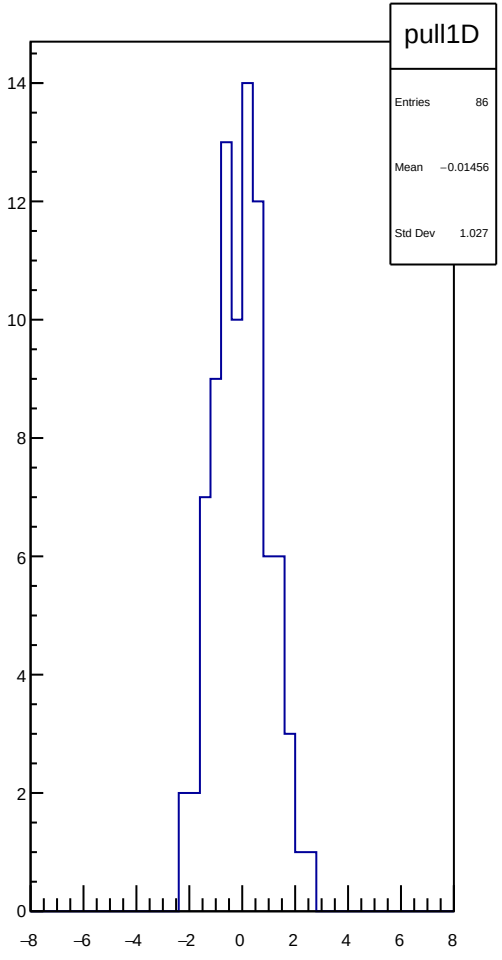

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.054e+04 / 85
p0 76.12 ± 0.05934
105
100
95
90
85
80
75
70

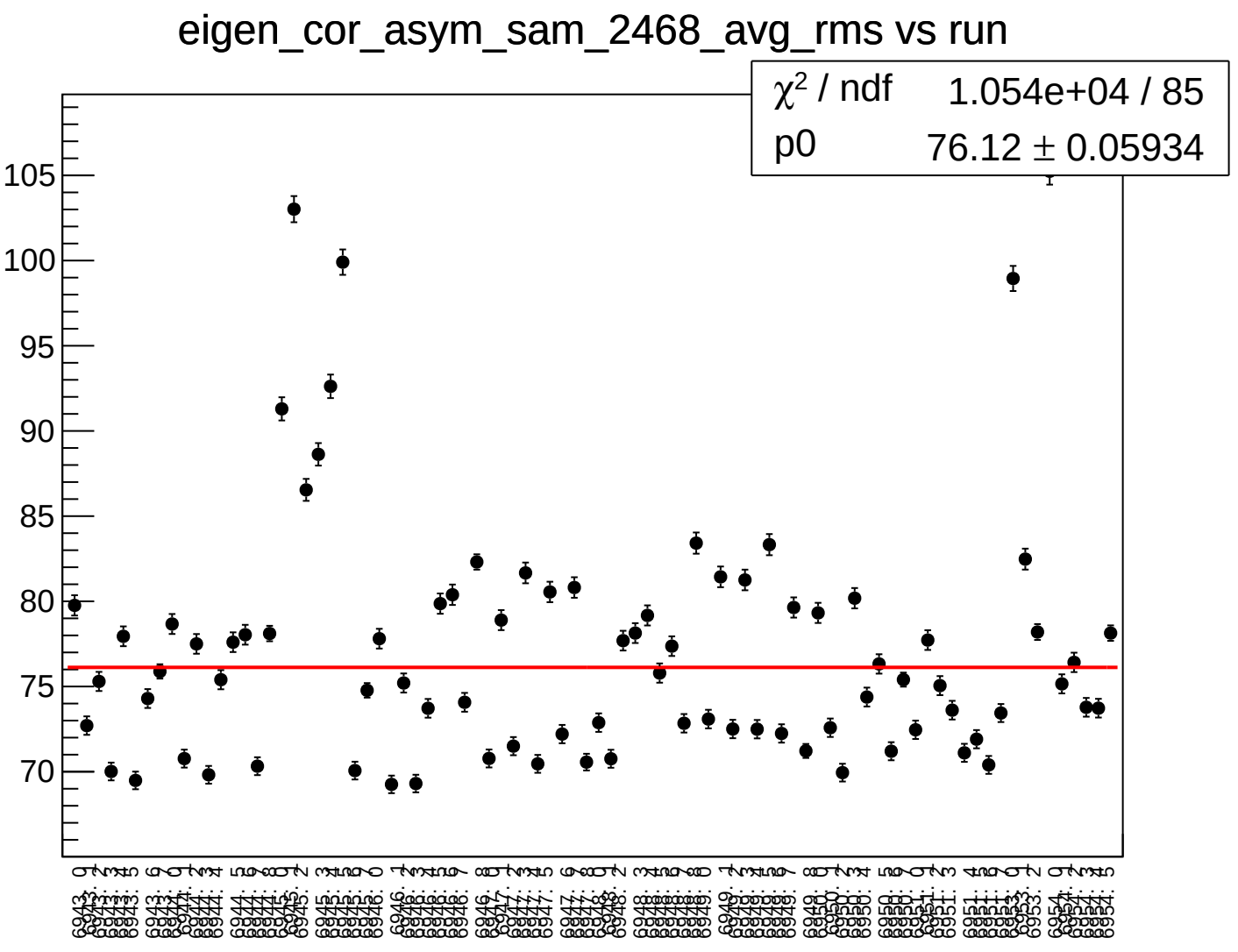

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 85.91 / 85
p0 −4139 ± 1159
pull
Entries 86
Mean 259.7
Std Dev 533.4

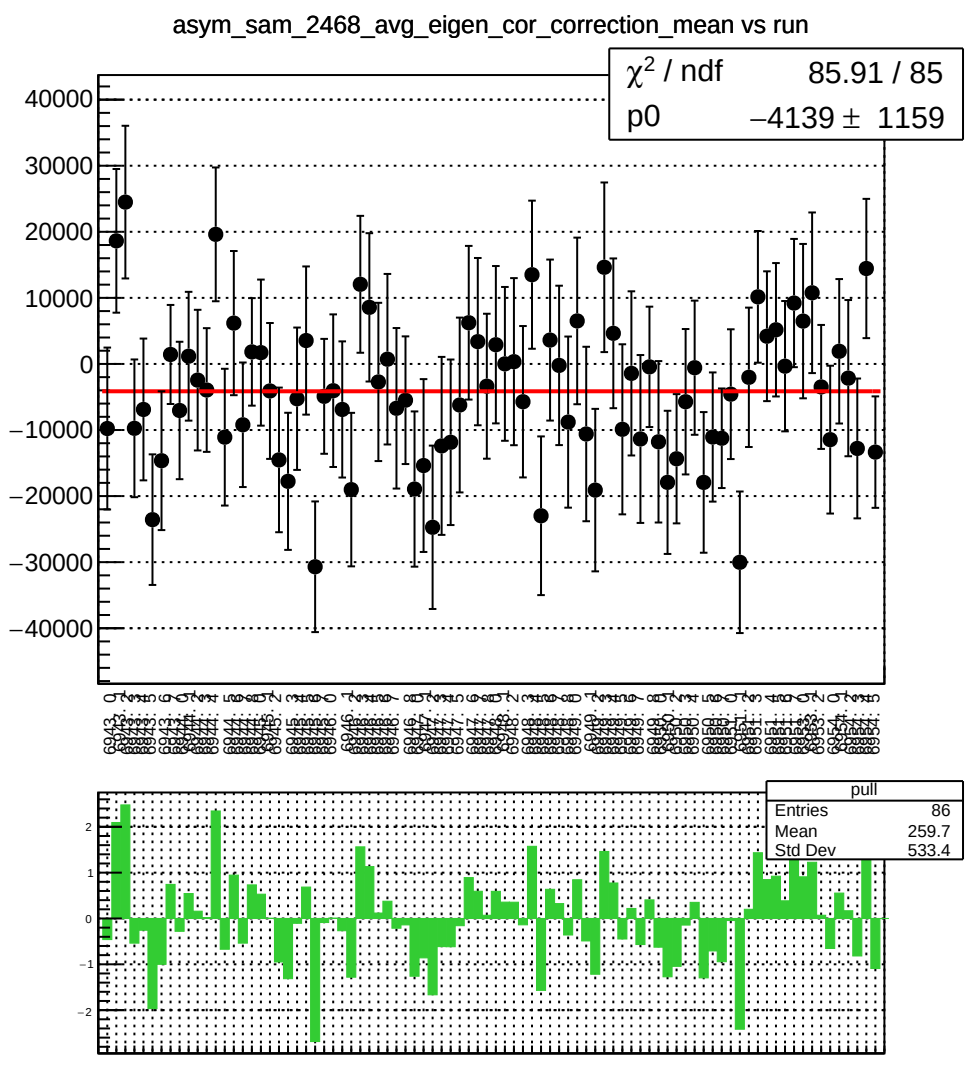

pull1D
Entries 86
Mean 0.0002421
Std Dev 0.9995

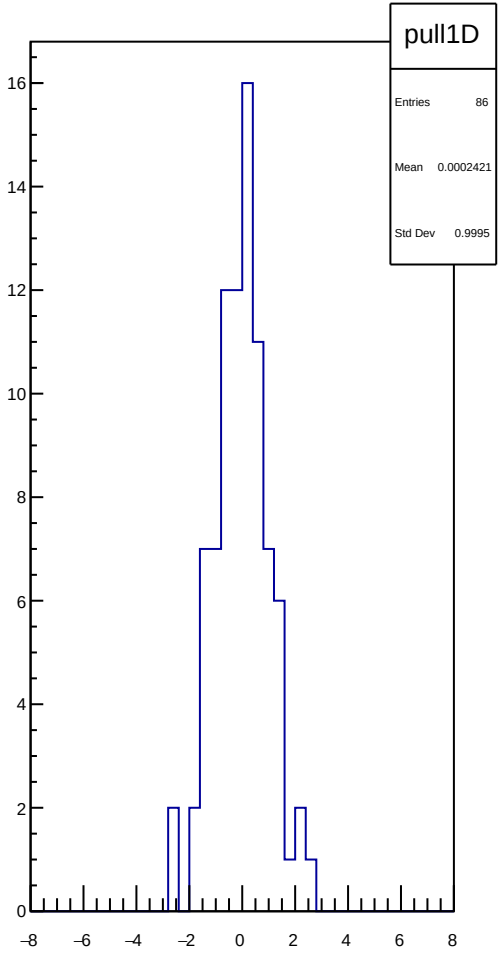

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1.401e+04 / 85
p0 1050 ± 0.8194
1300
1250
1200
1150
1100
1050
1000
950
900
850

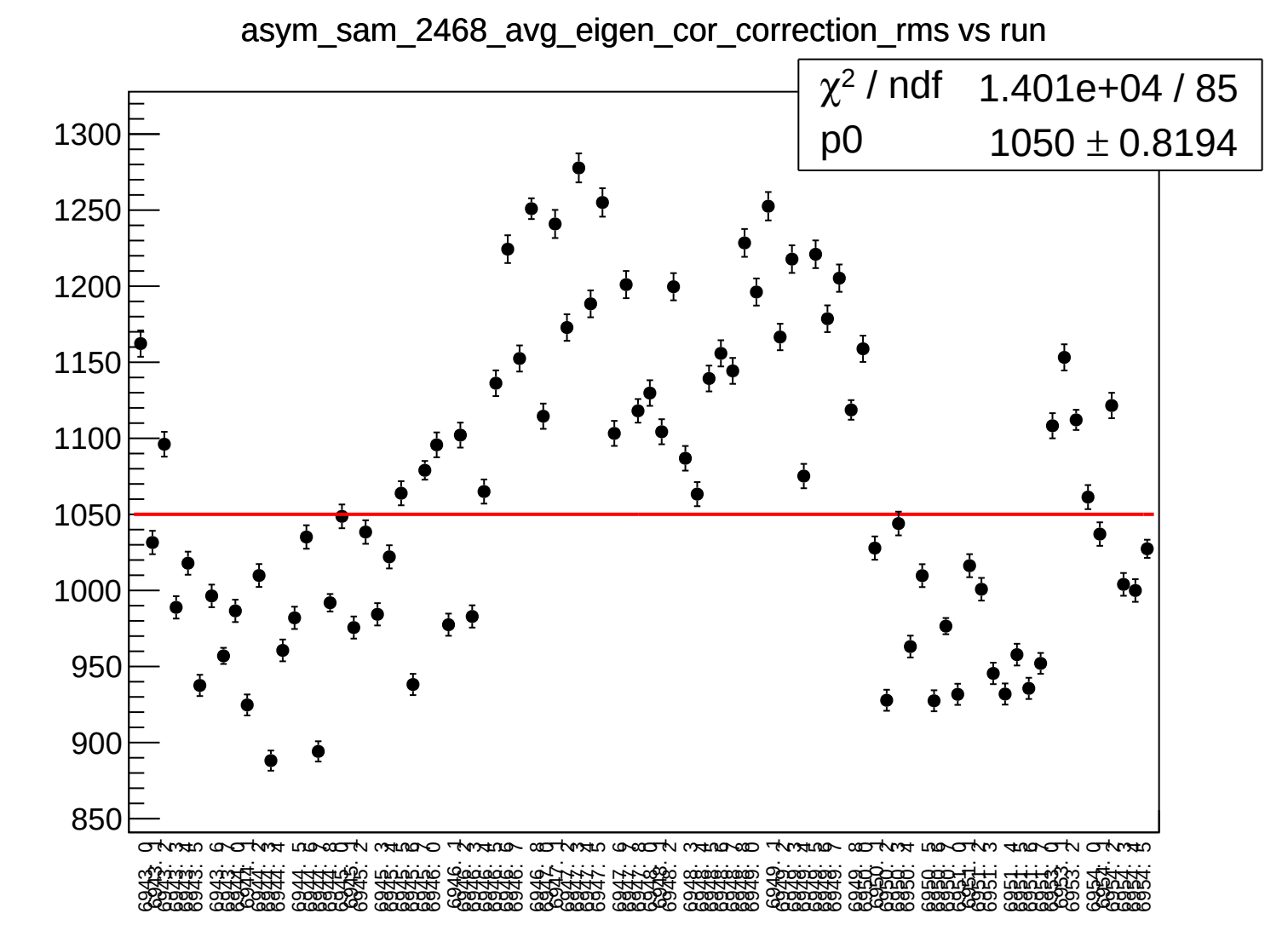

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 90.68 / 85
p0 −65.01 ± 83.92
pull
Entries 86
Mean −290.6
Std Dev 0

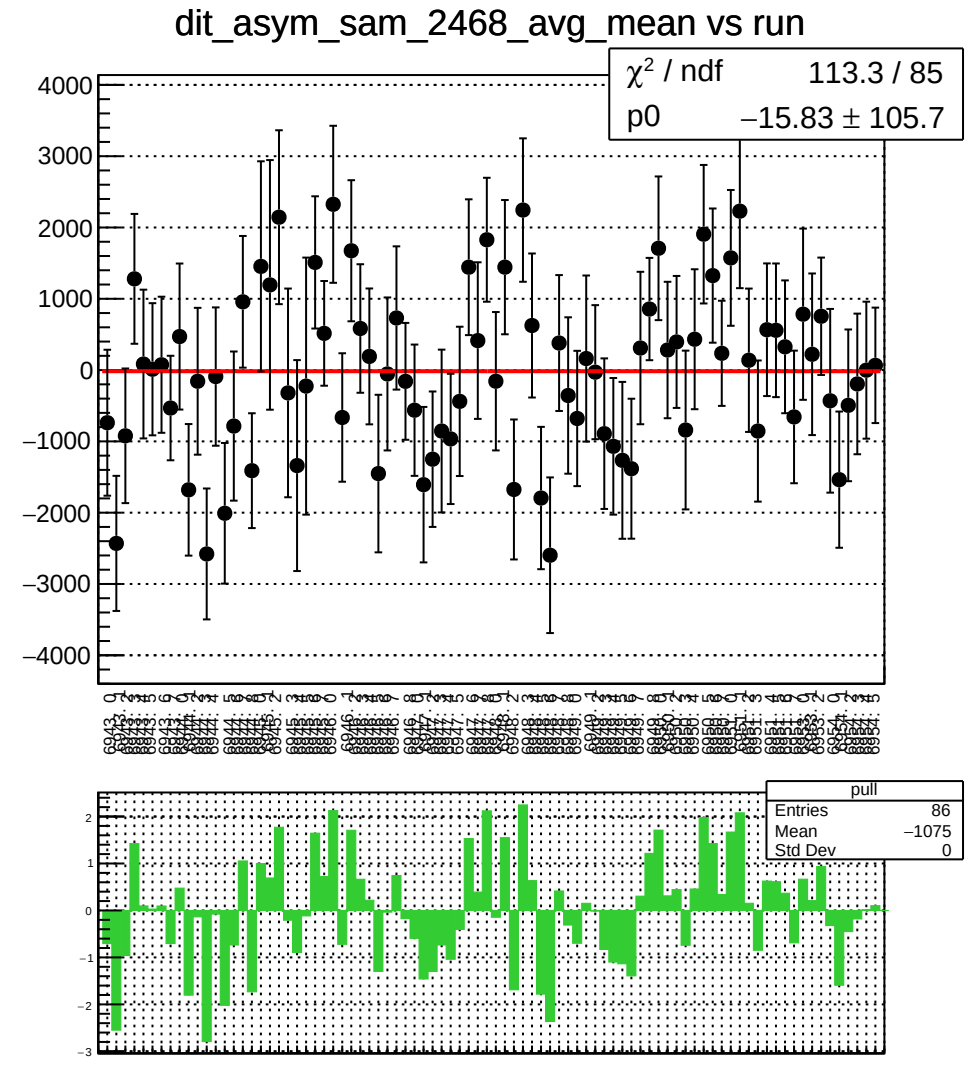

pull1D
Entries 86
Mean −0.01456
Std Dev 1.027

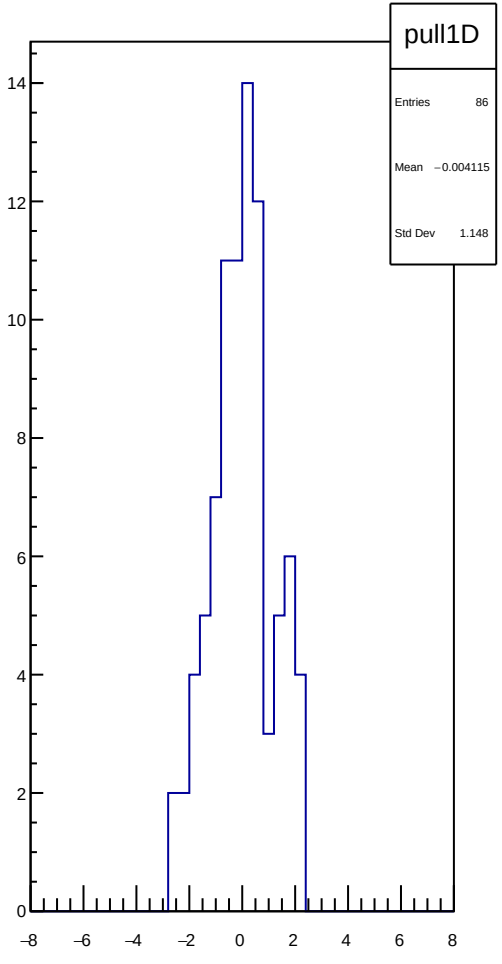

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.054e+04 / 85
p0 76.12 ± 0.05934
105
100
95
90
85
80
75
70

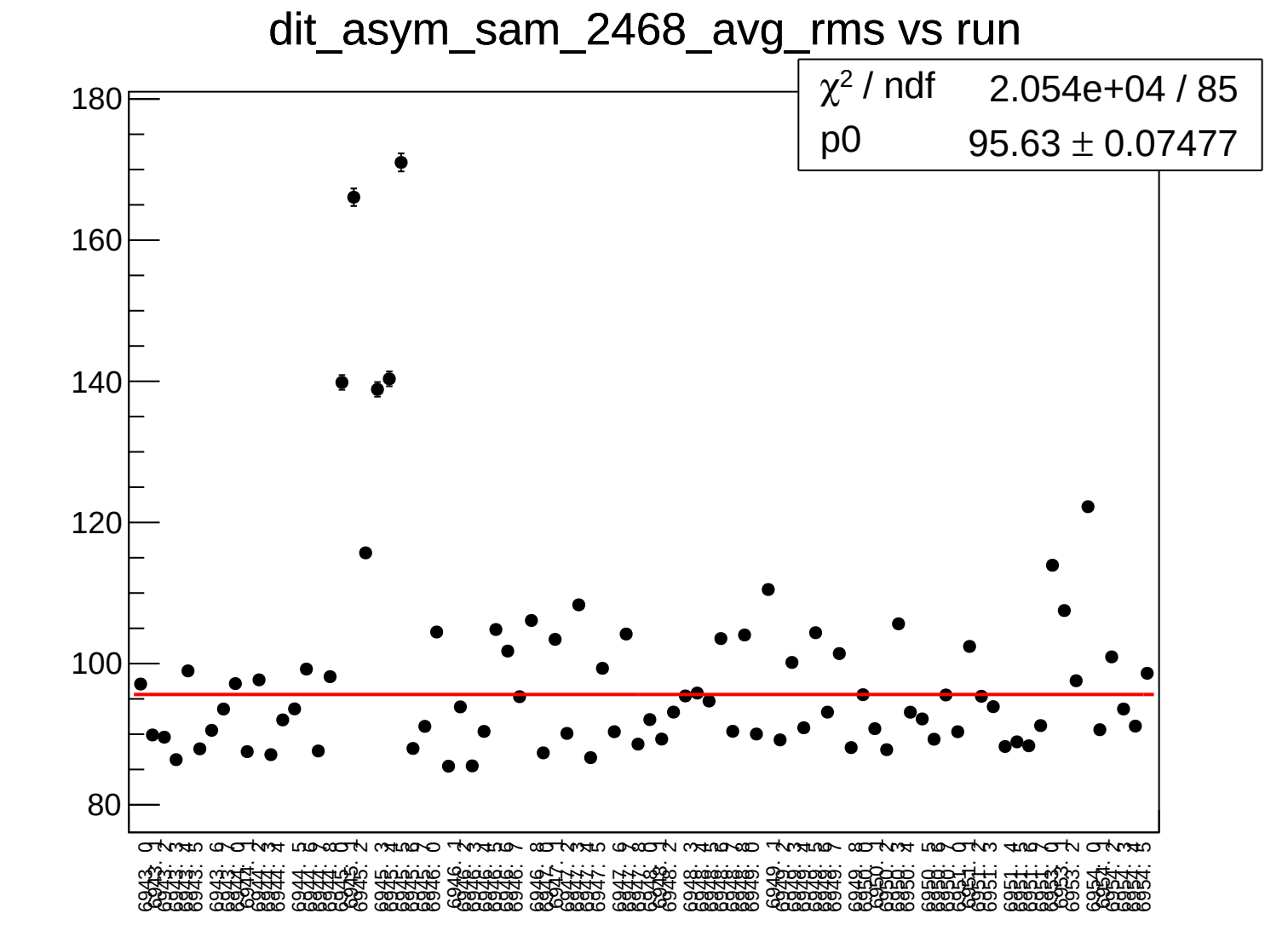

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.91 / 85
p0 −4139 ± 1159
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 259.7
Std Dev 533.4
2
1
0
−1
−2

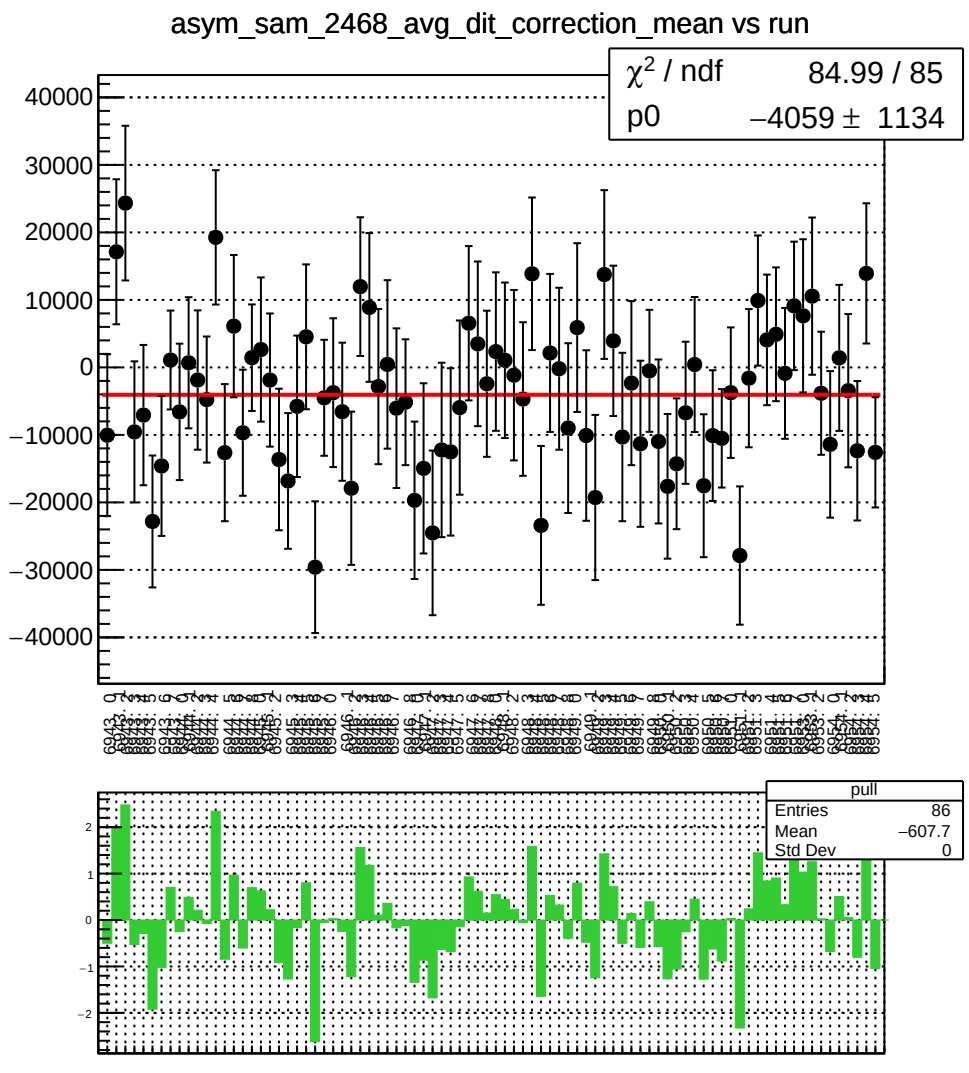

pull1D
Entries 86
Mean 0.0002421
Std Dev 0.9995
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

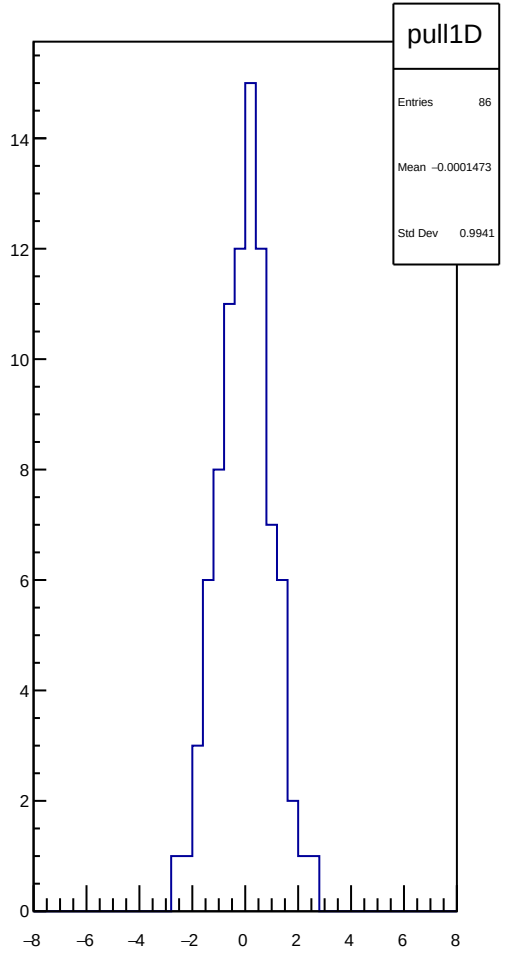

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.401e+04 / 85
p0 1050 ± 0.8194
1300
1250
1200
1150
1100
1050
1000
950
900
850

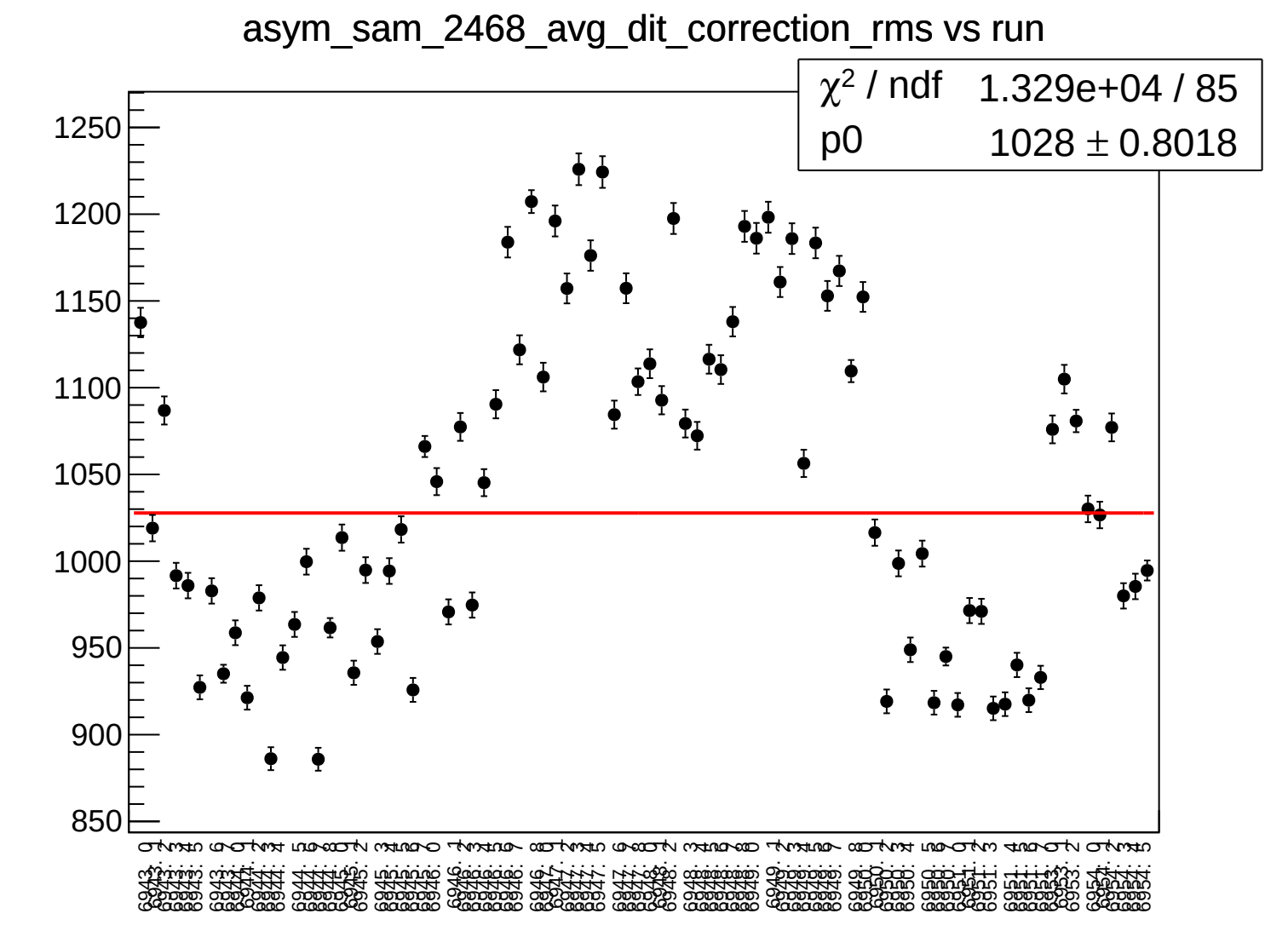

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 113.3 / 85
p0 −15.83 ± 105.7
pull
Entries 86
Mean −1075
Std Dev 0

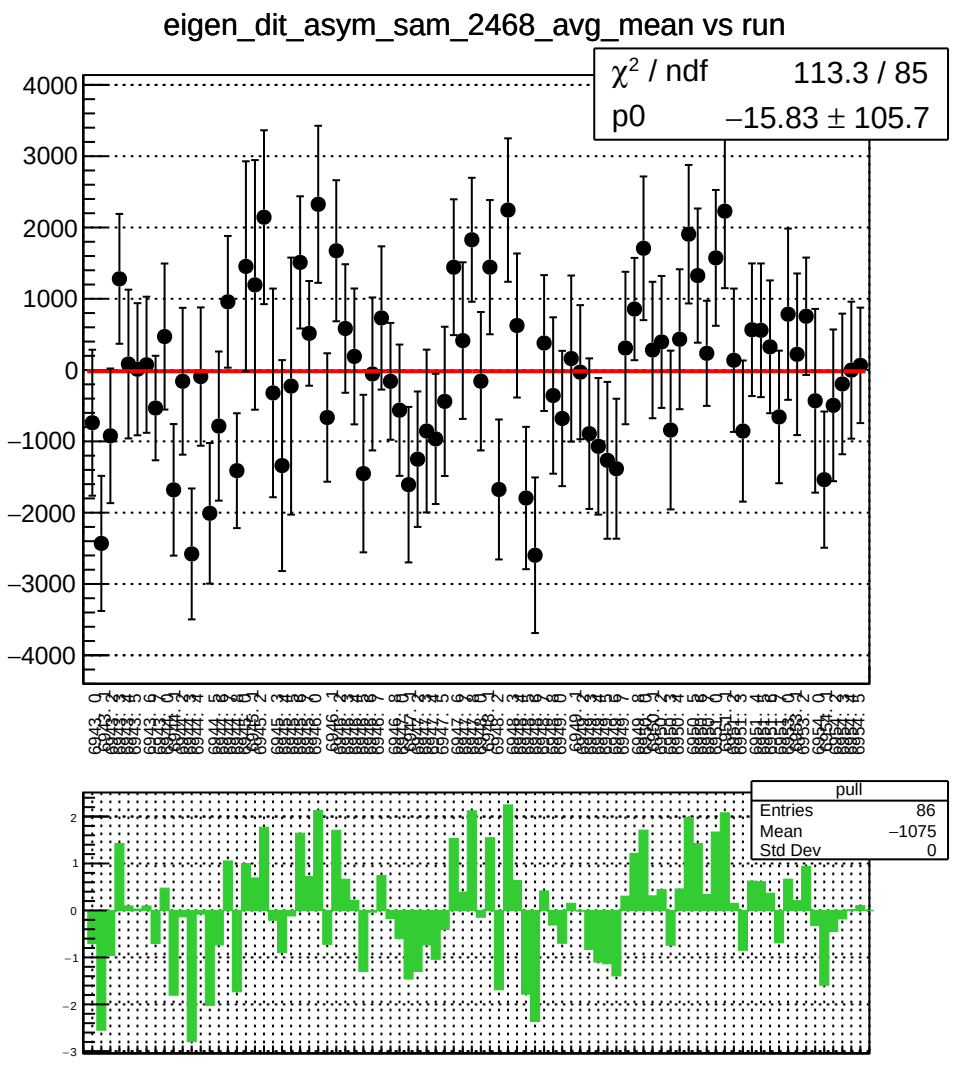

pull1D
Entries 86
Mean −0.004115
Std Dev 1.148

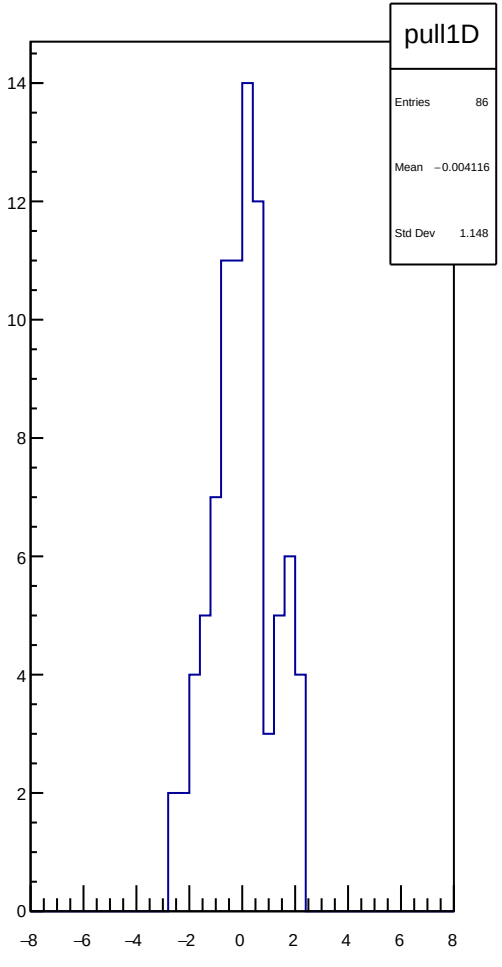

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.054e+04 / 85
p0 95.63 ± 0.07477
180
160
140
120
100
80

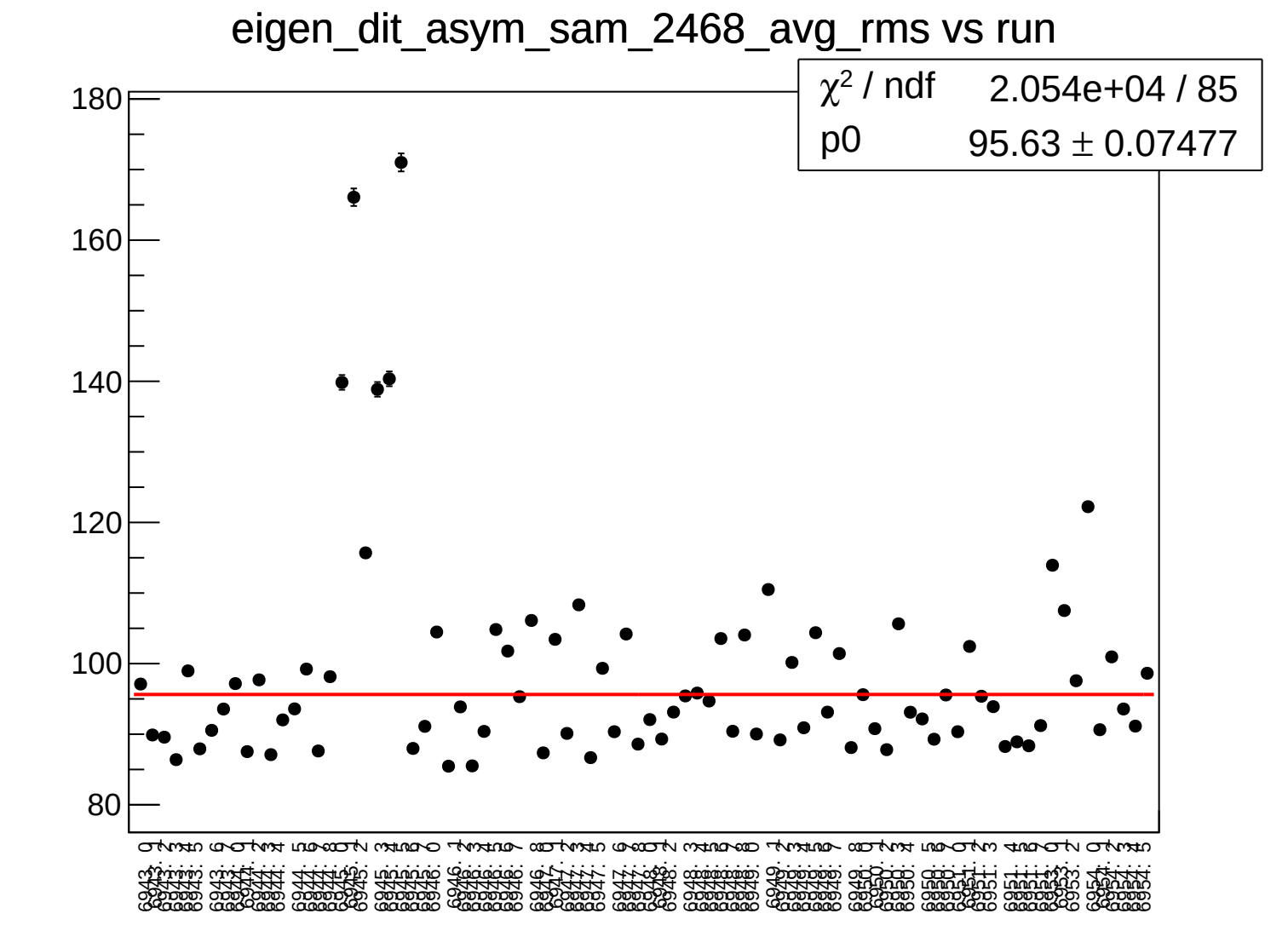

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 84.99 / 85
p0 −4059 ± 1134
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −607.7
Std Dev 0
2
1
0
−1
−2

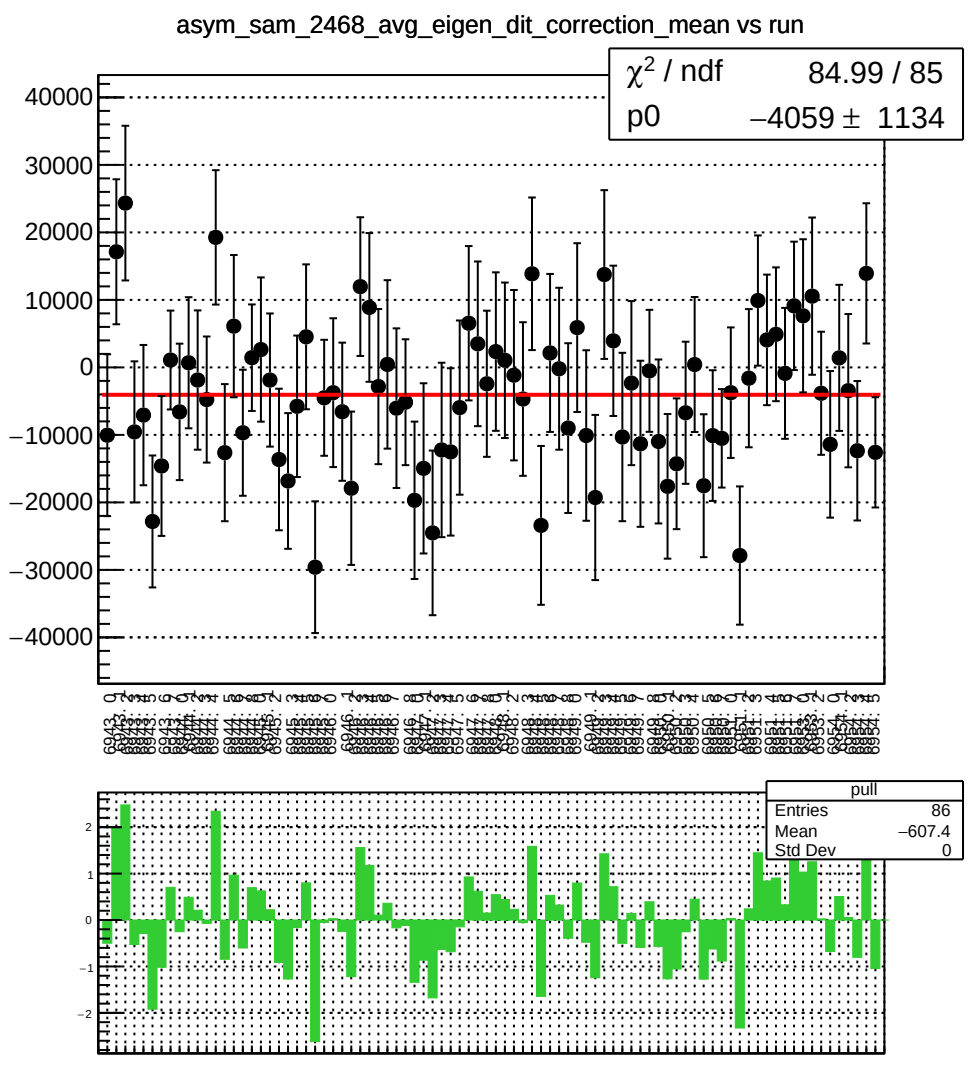

pull1D
Entries 86
Mean −0.0001473
Std Dev 0.9941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

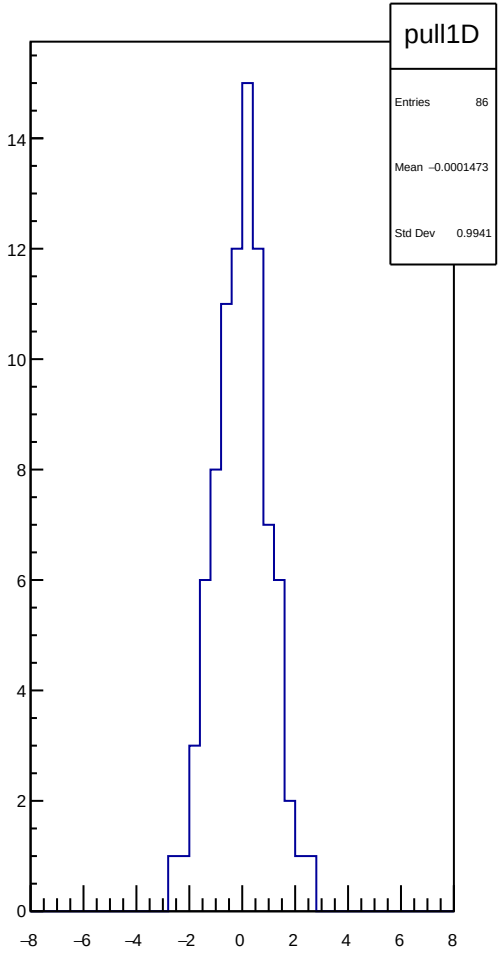

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 1028 ± 0.8018
1250
1200
1150
1100
1050
1000
950
900
850

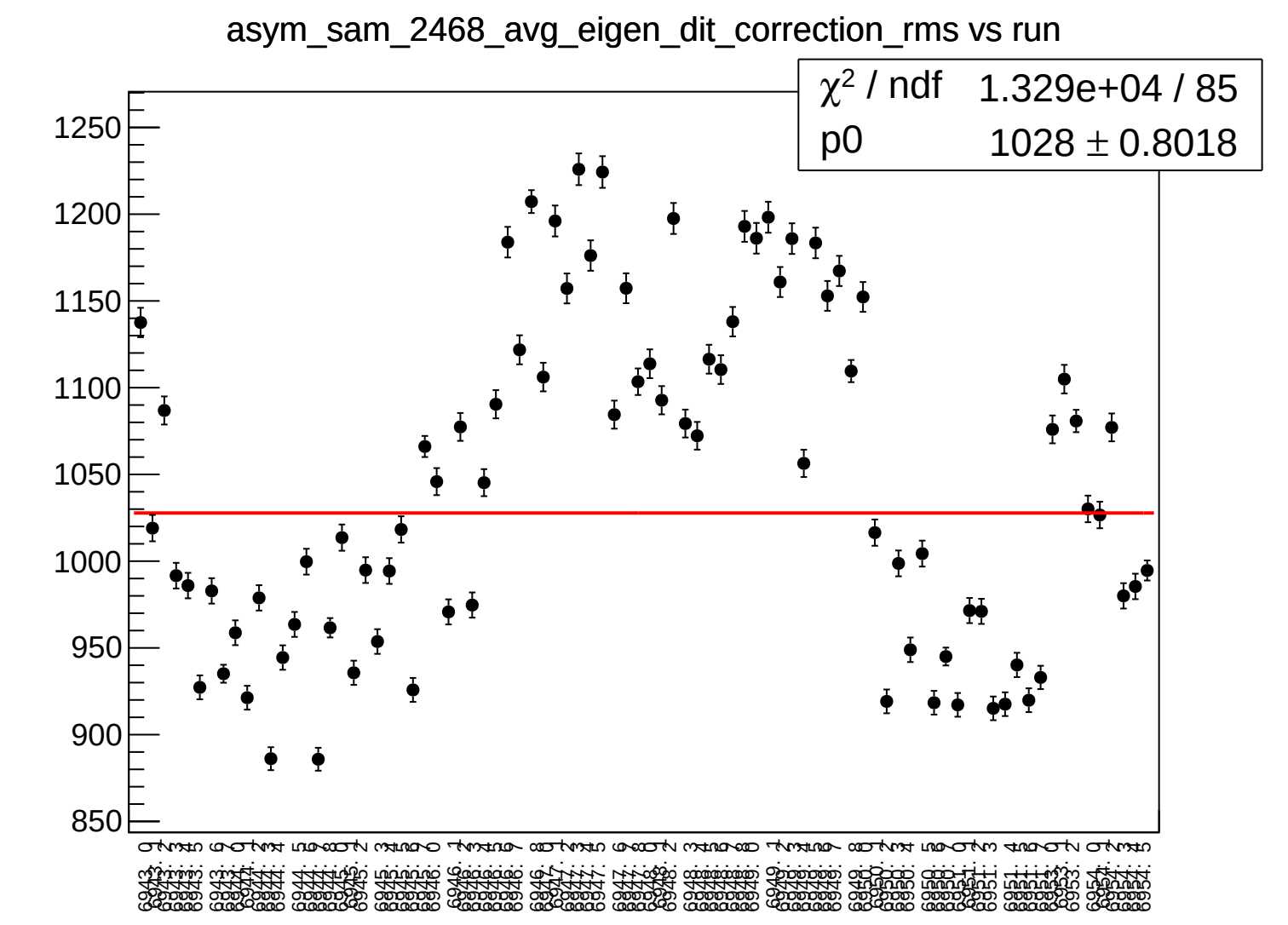

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 113.3 / 85
p0 −15.83 ± 105.7
pull
Entries 86
Mean −1075
Std Dev 0

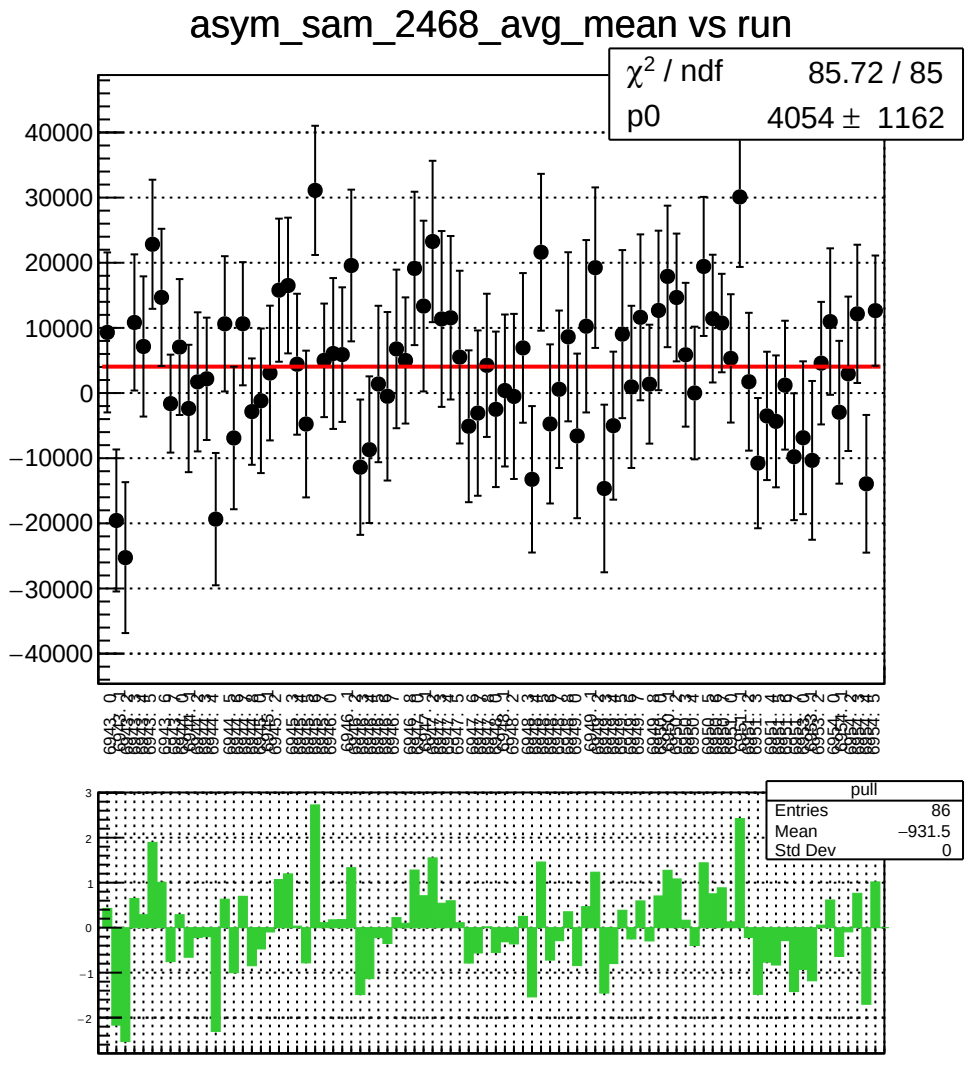

pull1D
Entries 86
Mean −0.004116
Std Dev 1.148

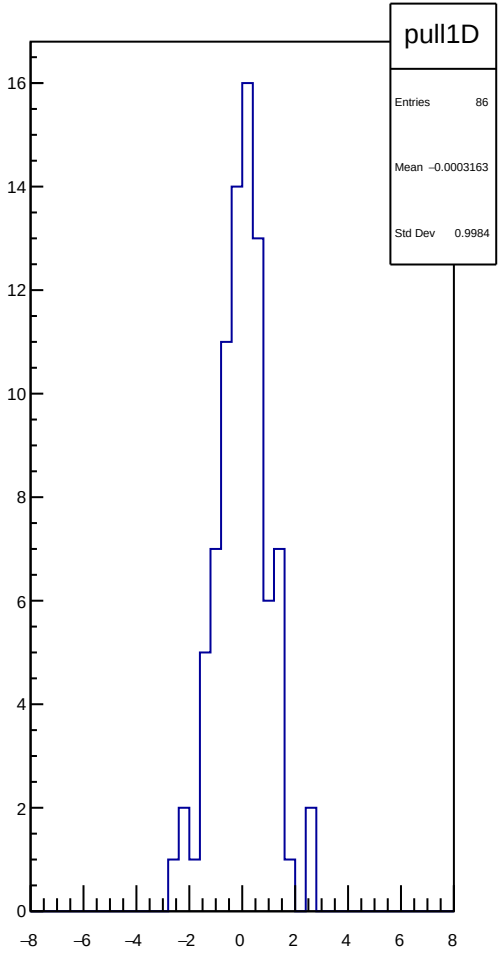

eigen_dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 2.054e+04 / 85
p0 95.63 ± 0.07477
180
160
140
120
100
80

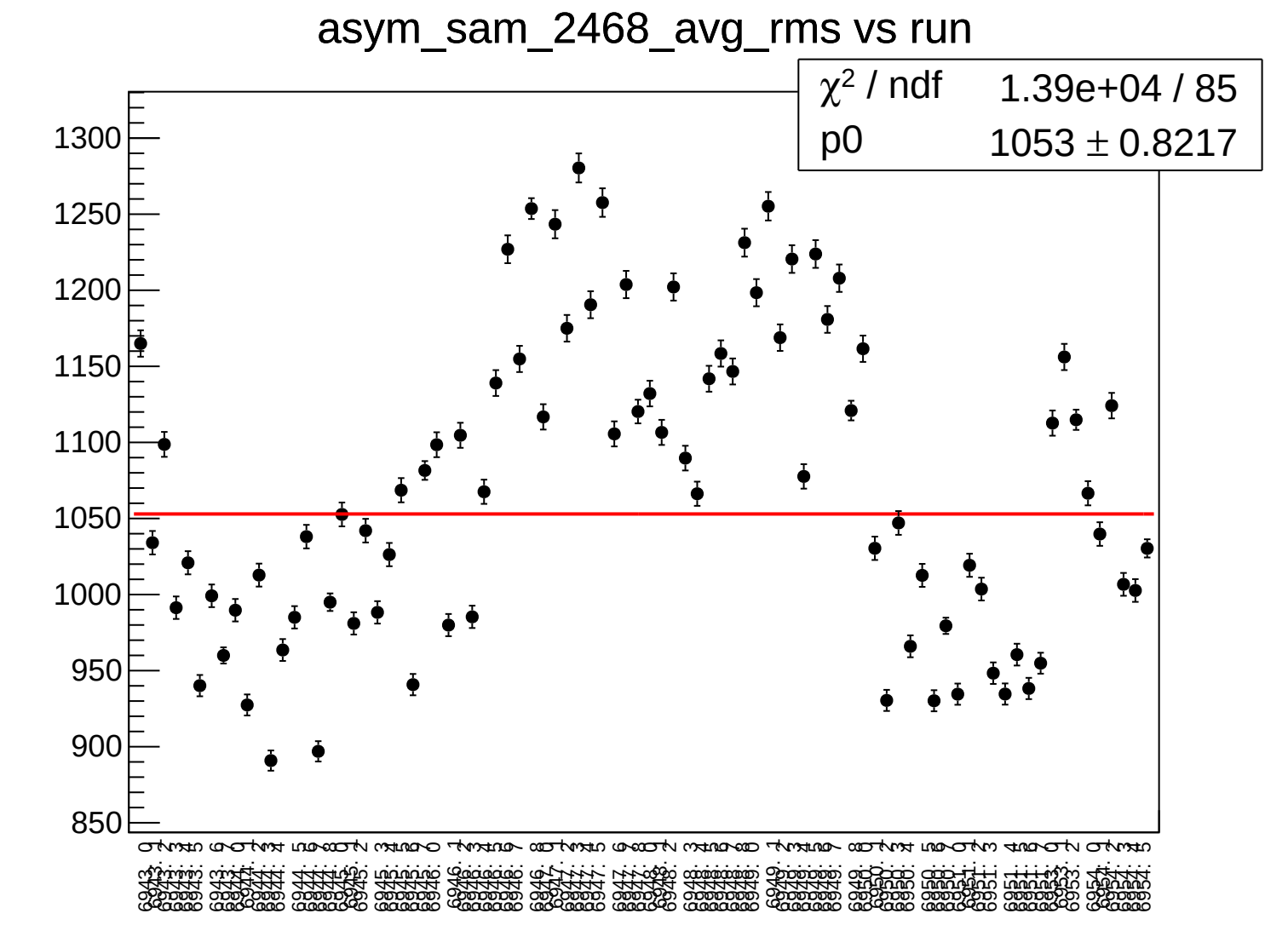

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.99 / 85
p0 −4059 ± 1134
pull
Entries 86
Mean −607.4
Std Dev 0

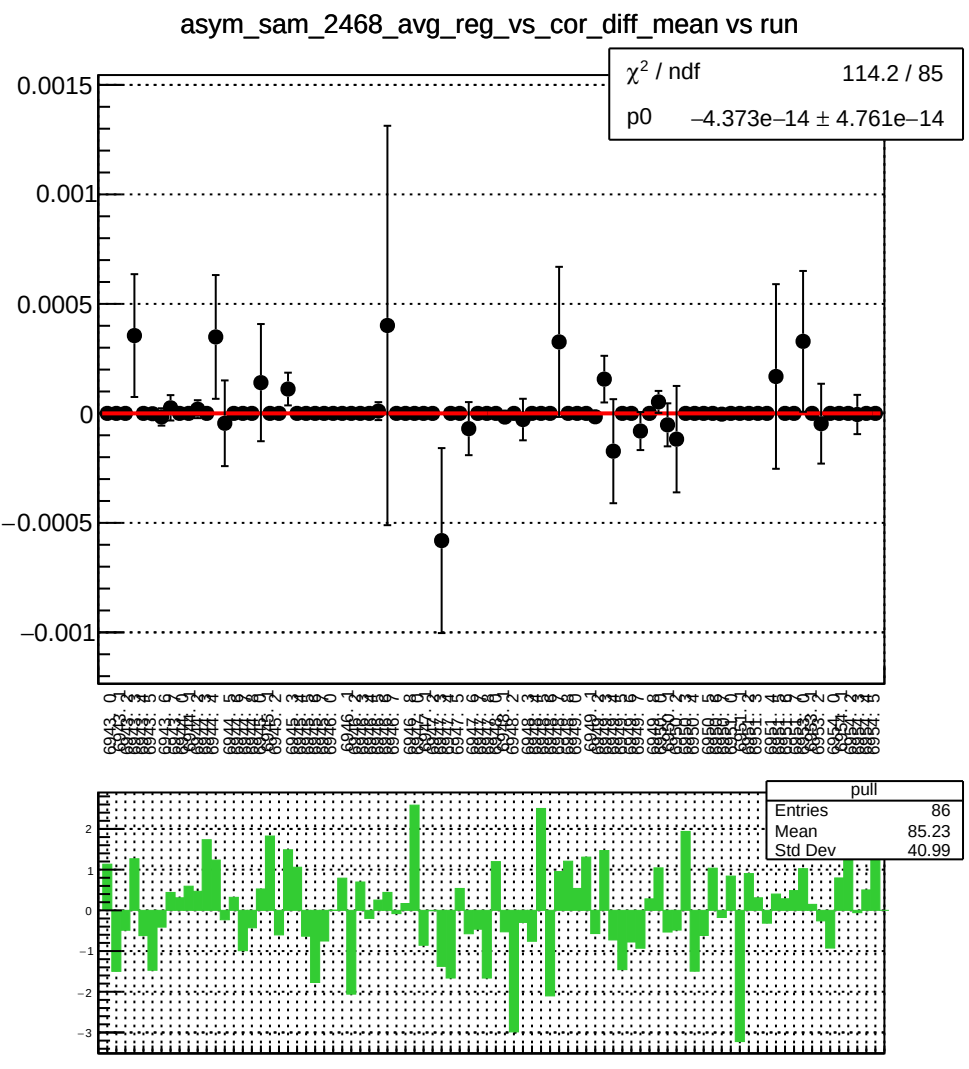

pull1D
Entries 86
Mean −0.0001473
Std Dev 0.9941

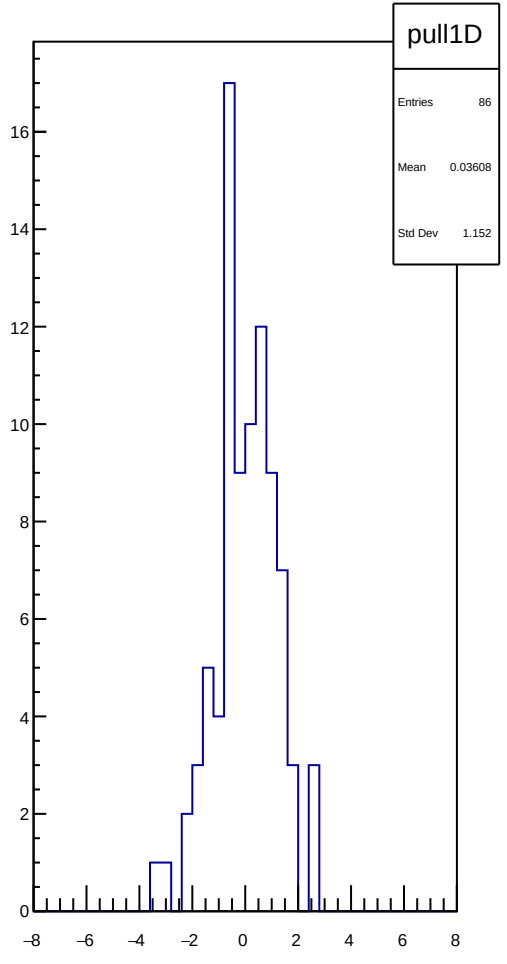

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.329e+04 / 85
p0 1028 ± 0.8018
1250
1200
1150
1100
1050
1000
950
900
850

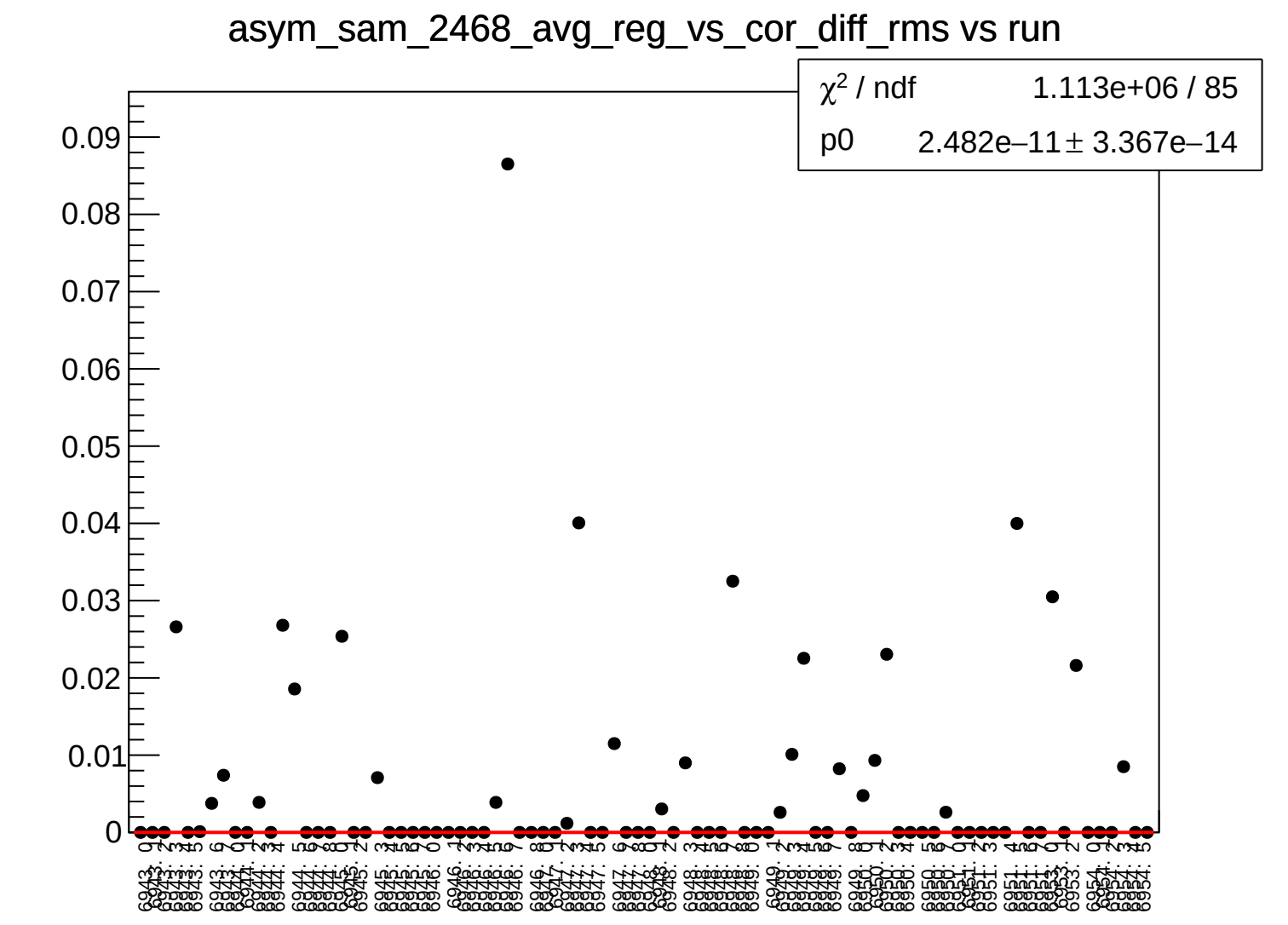

asym_sam_2468_avg_mean vs run
χ² / ndf 85.72 / 85
p0 4054 ± 1162
pull
Entries 86
Mean −931.5
Std Dev 0

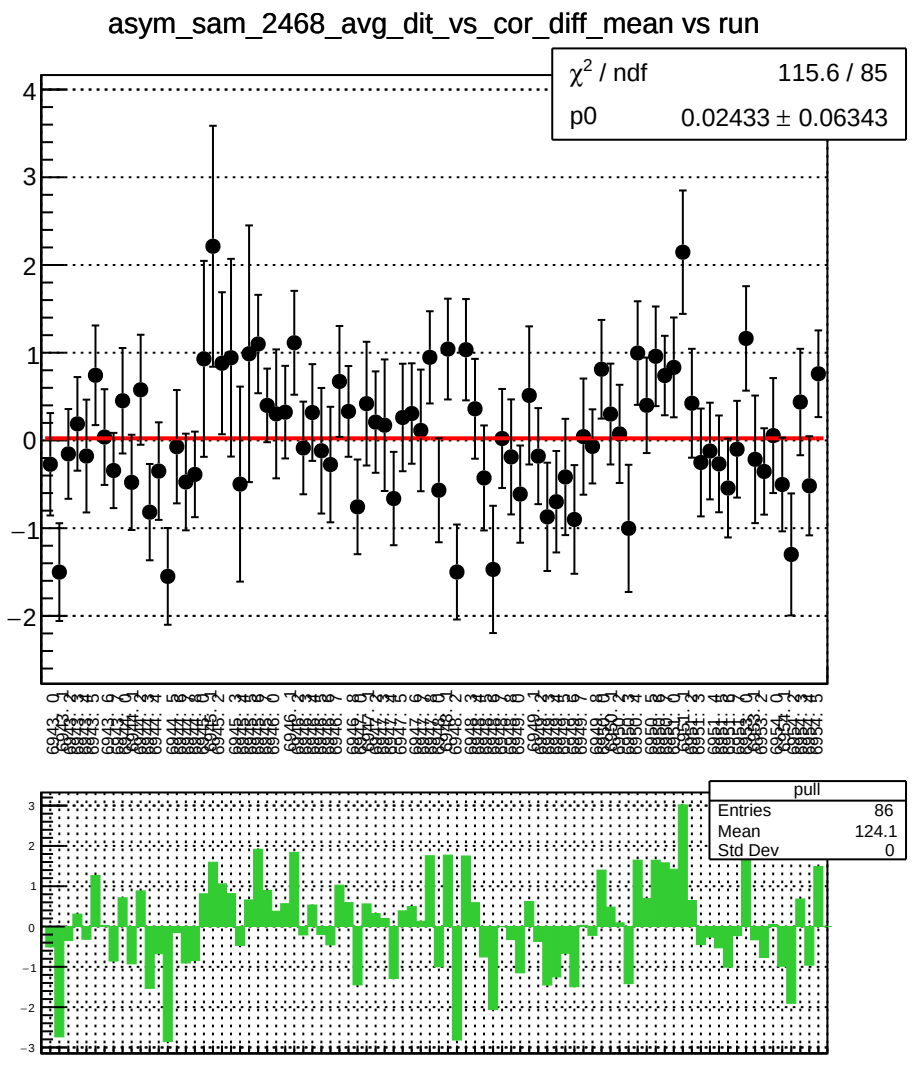

pull1D
Entries 86
Mean −0.0003163
Std Dev 0.9984

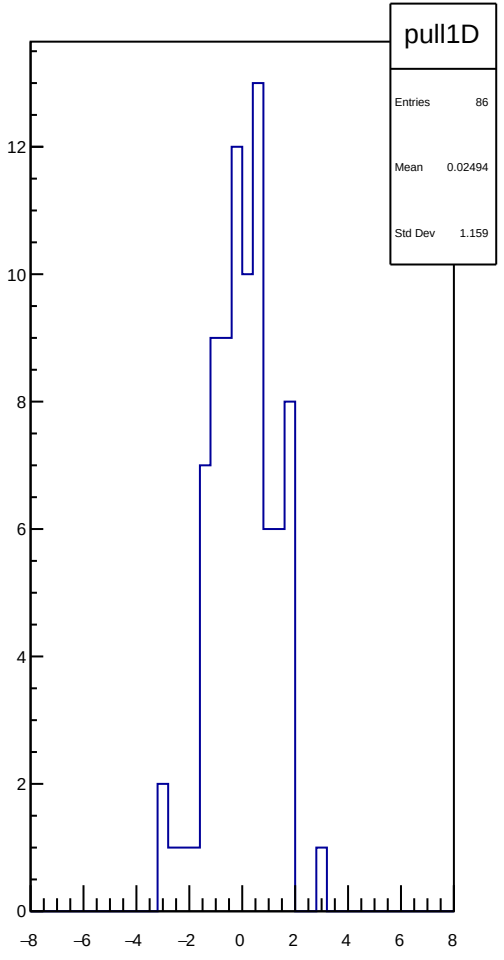

asym_sam_2468_avg_rms vs run
χ² / ndf 1.39e+04 / 85
p0 1053 ± 0.8217
1300
1250
1200
1150
1100
1050
1000
950
900
850

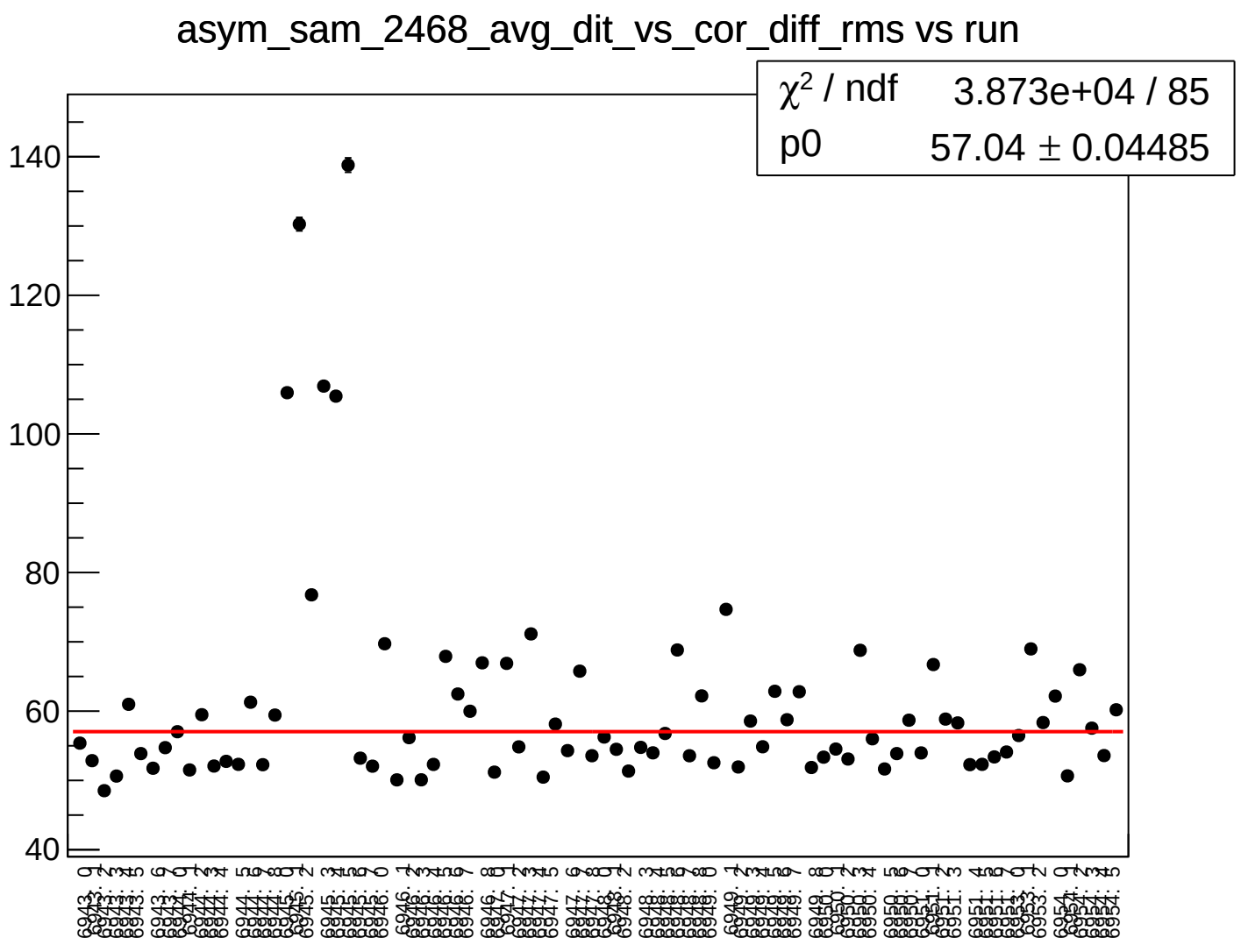

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 114.2 / 85
p0 −4.373e−14 ± 4.761e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 86
Mean 85.23
Std Dev 40.99
2
1
0
−1
−2
−3

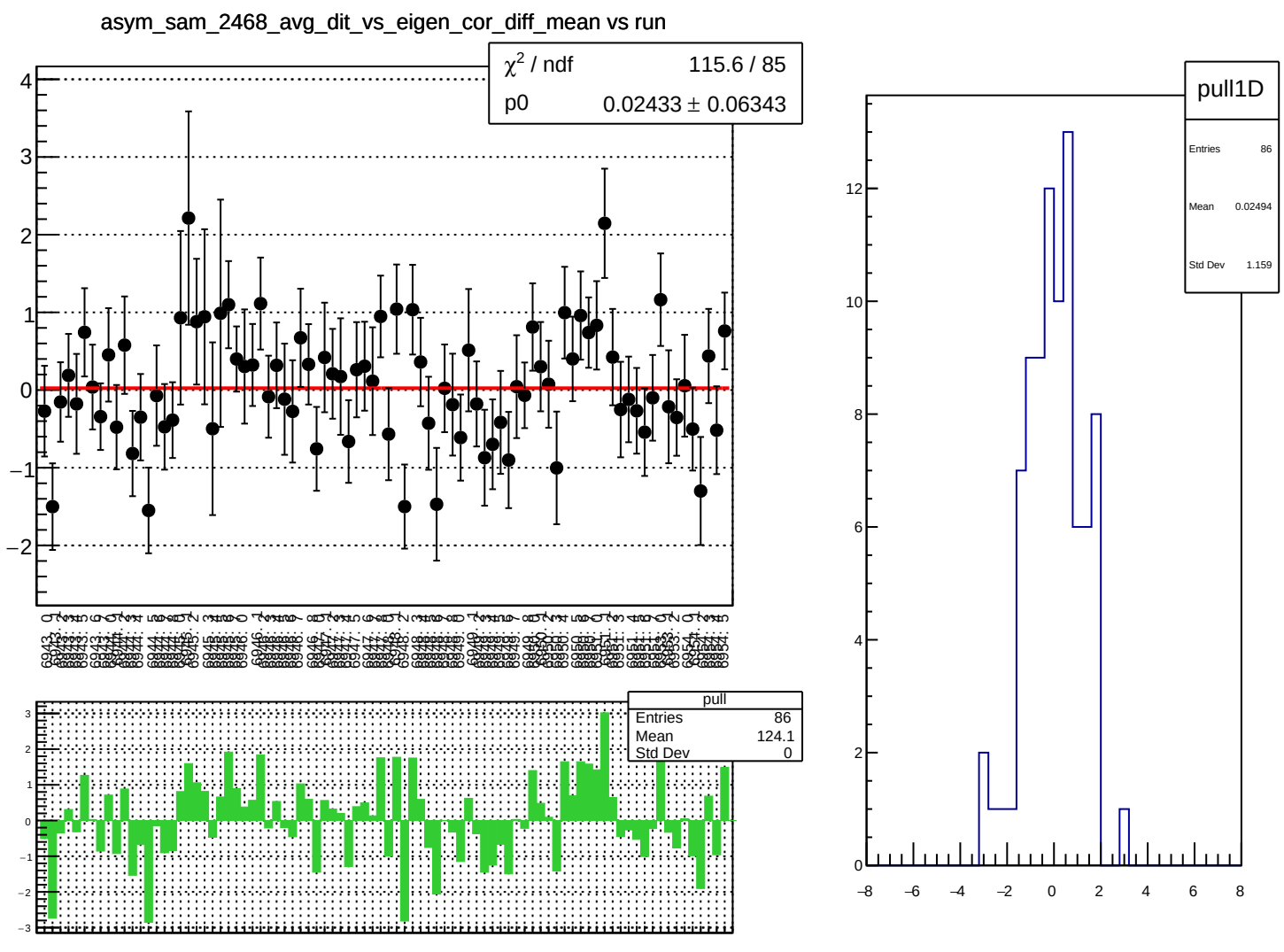

pull1D
Entries 86
Mean 0.03608
Std Dev 1.152
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

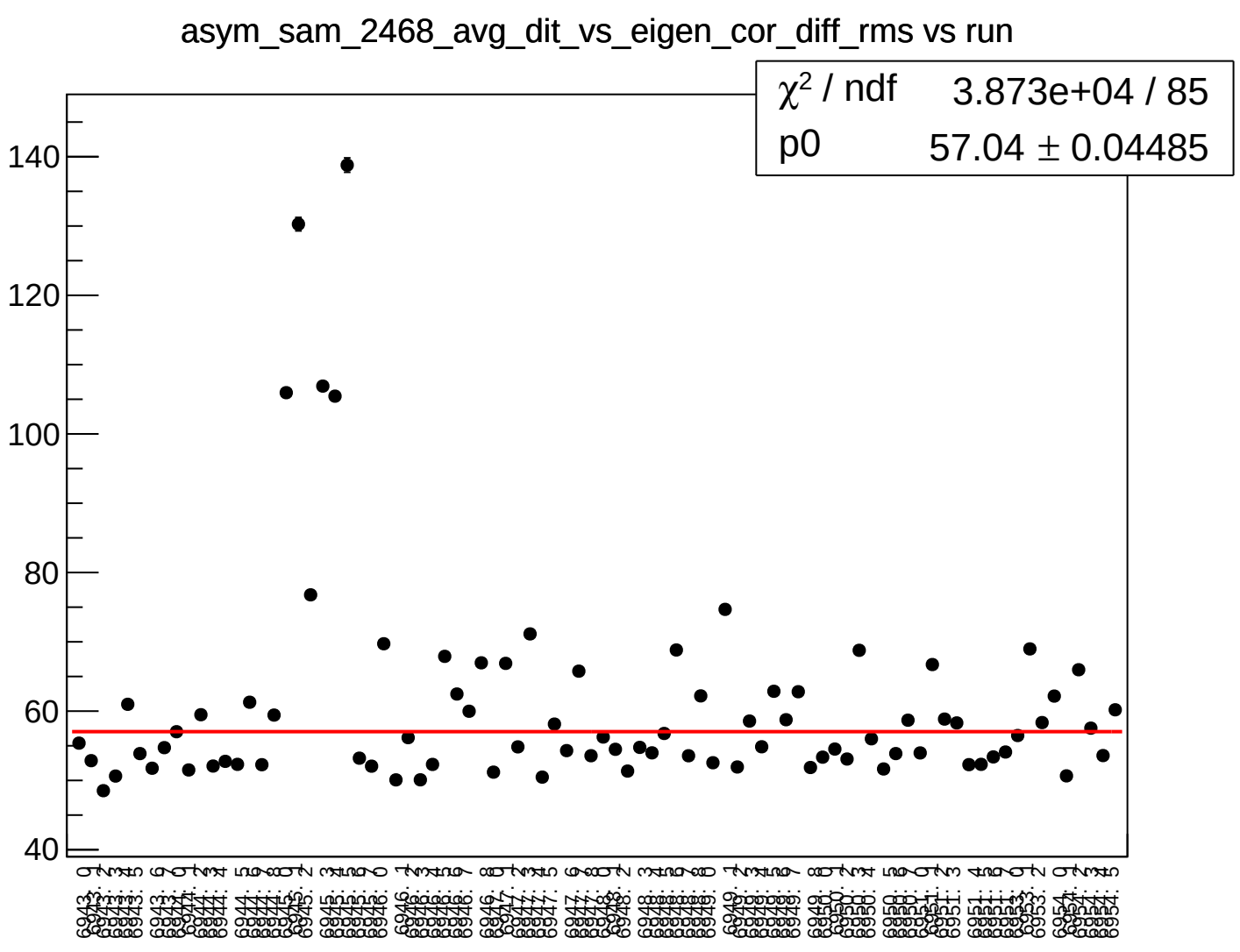

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.113e+06 / 85
p0 2.482e−11 ± 3.367e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

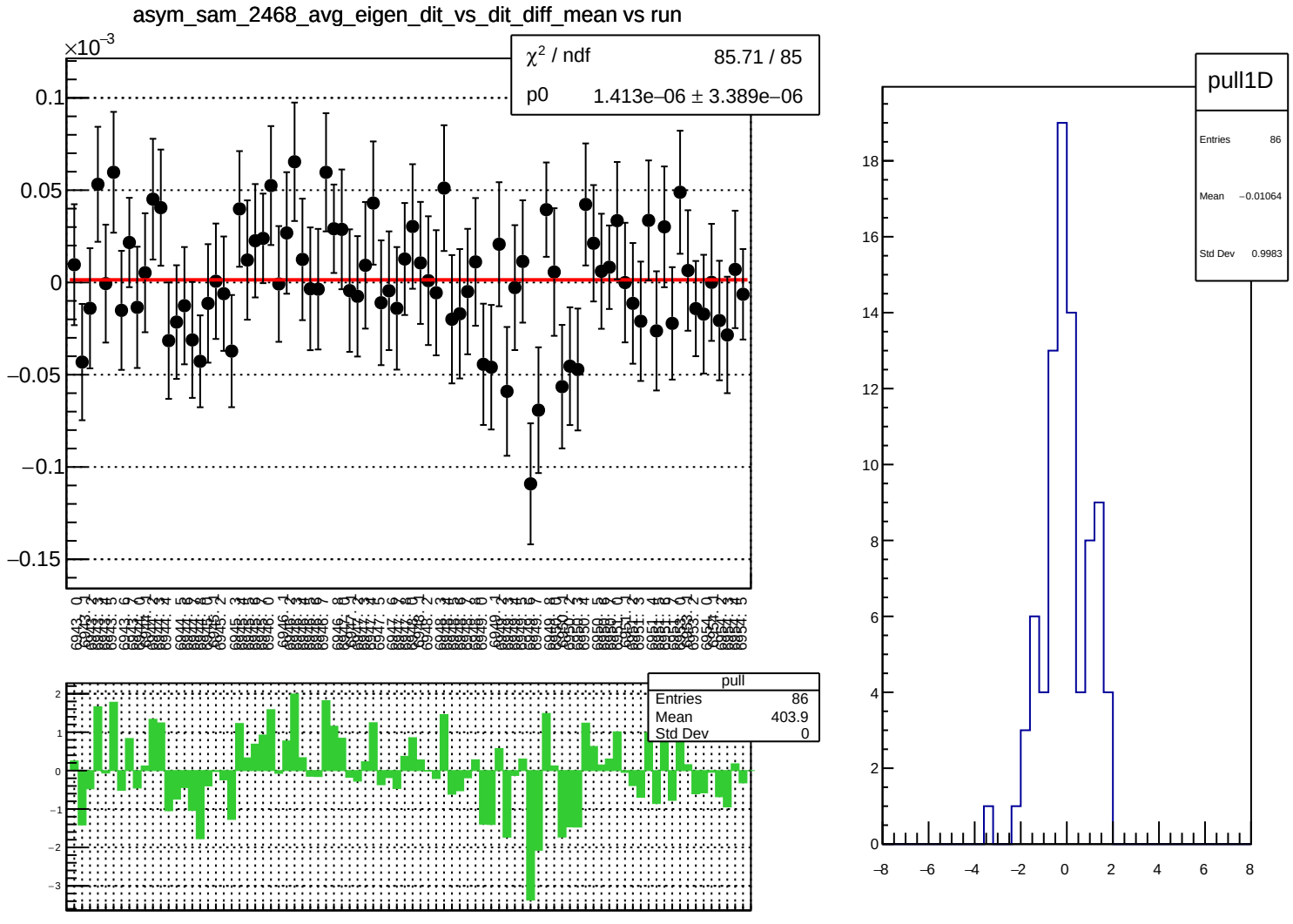

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 115.6 / 85
p0 0.02433 ± 0.06343
pull
Entries 86
Mean 124.1
Std Dev 0

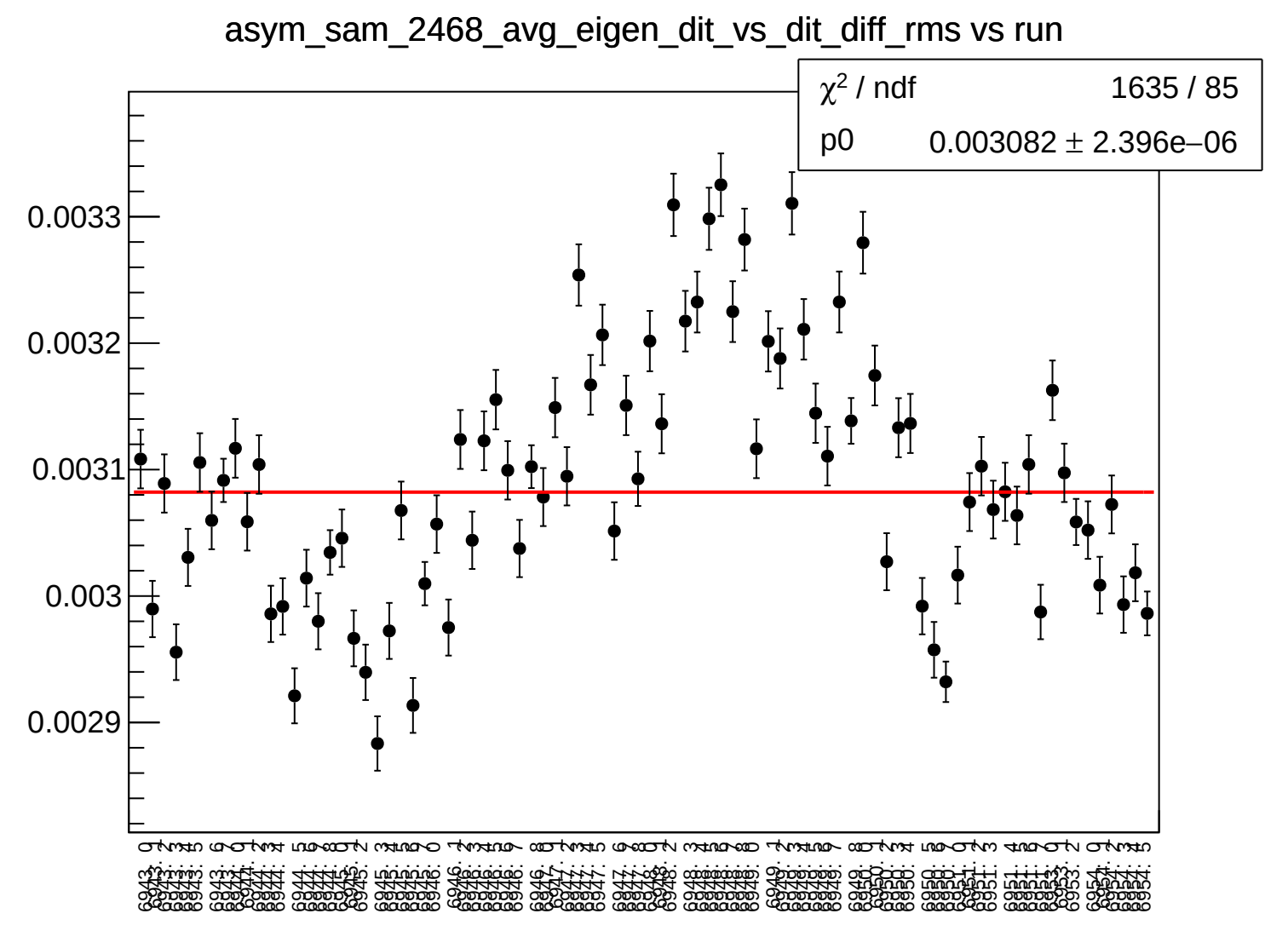

pull1D
Entries 86
Mean 0.02494
Std Dev 1.159

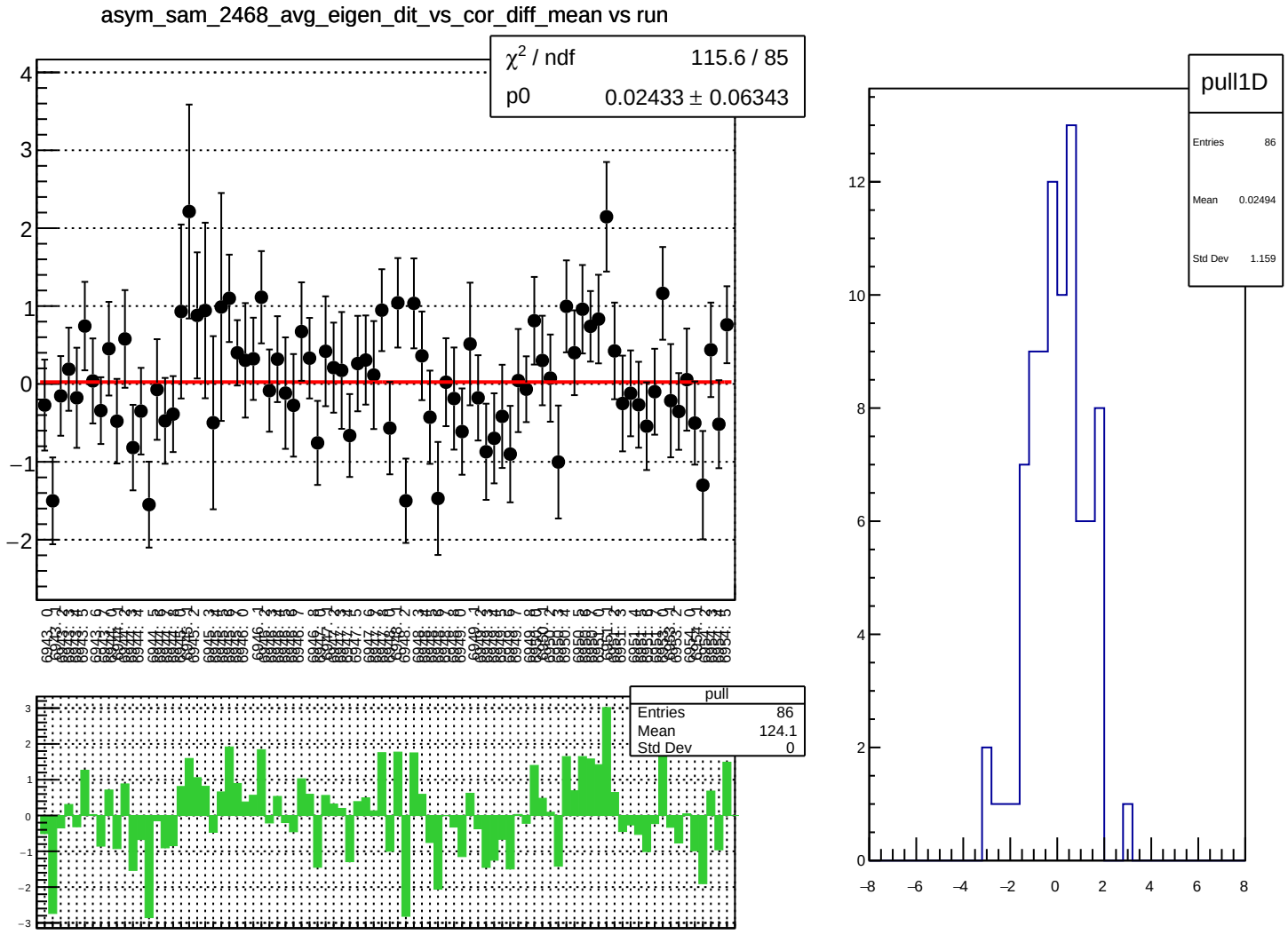

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.873e+04 / 85
p0 57.04 ± 0.04485
140
120
100
80
60
40

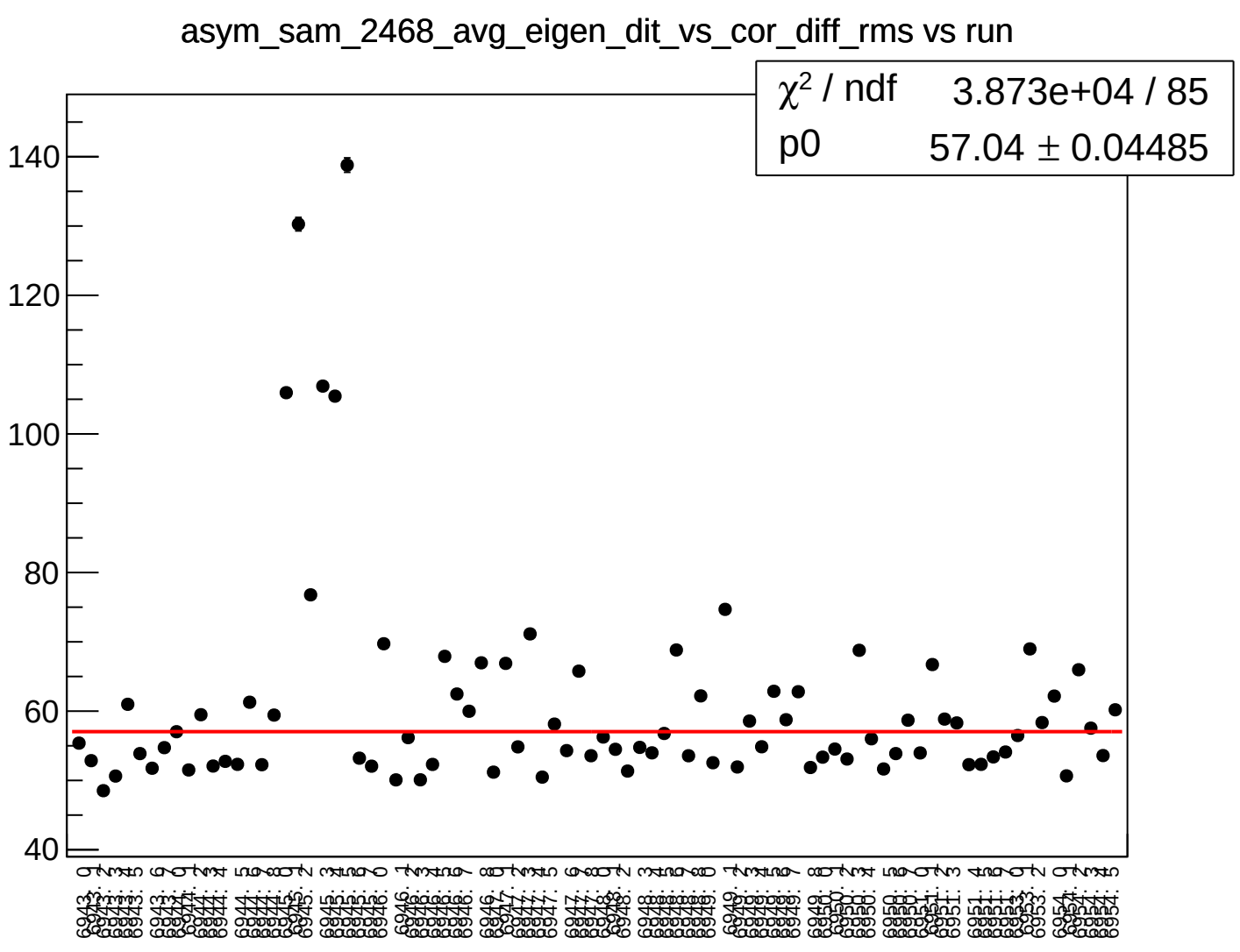

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.6 / 85
p0 0.02433 ± 0.06343
pull
Entries 86
Mean 124.1
Std Dev 0
pull1D
Entries 86
Mean 0.02494
Std Dev 1.159

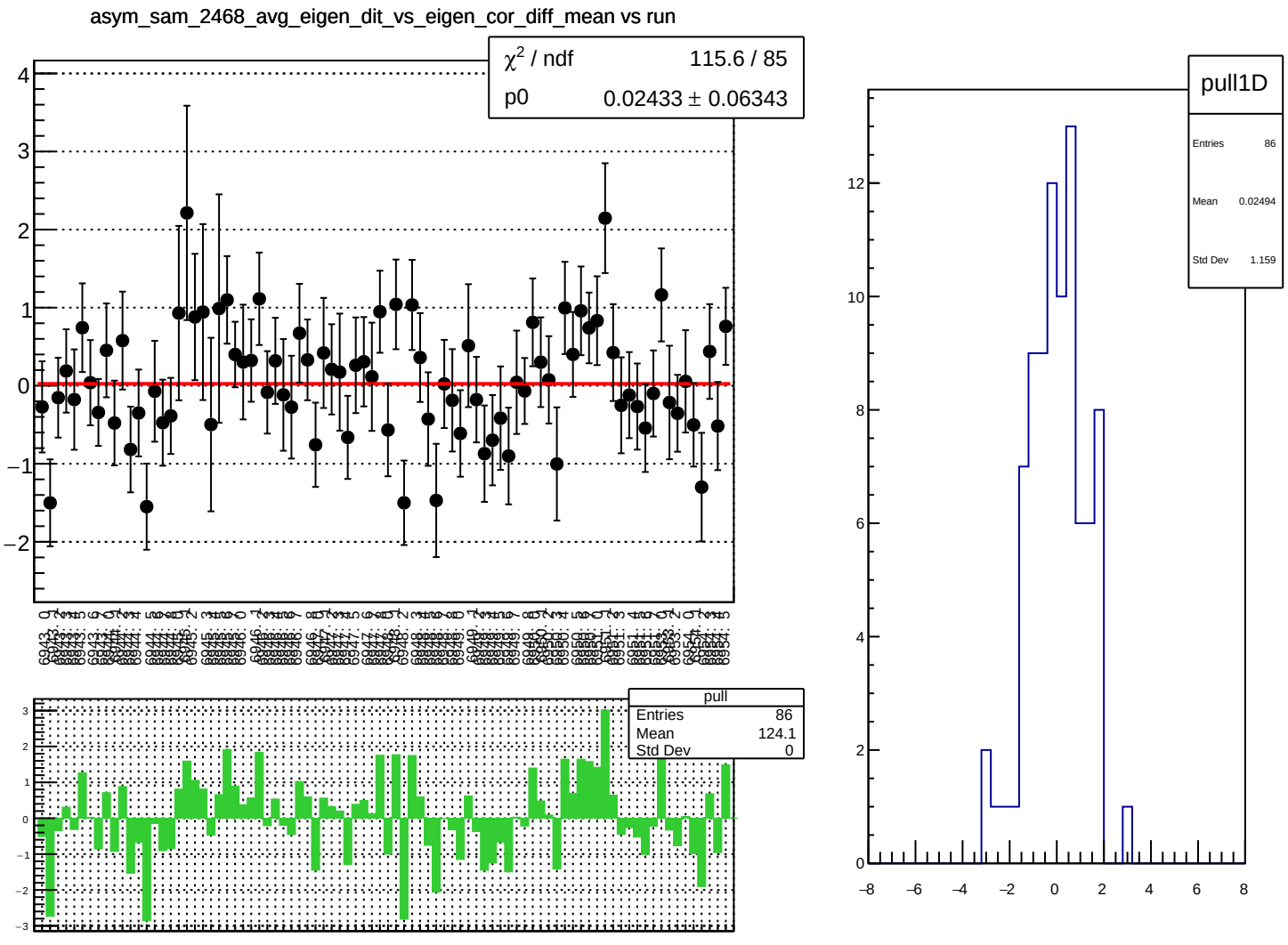

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.873e+04 / 85
p0 57.04 ± 0.04485
140
120
100
80
60
40

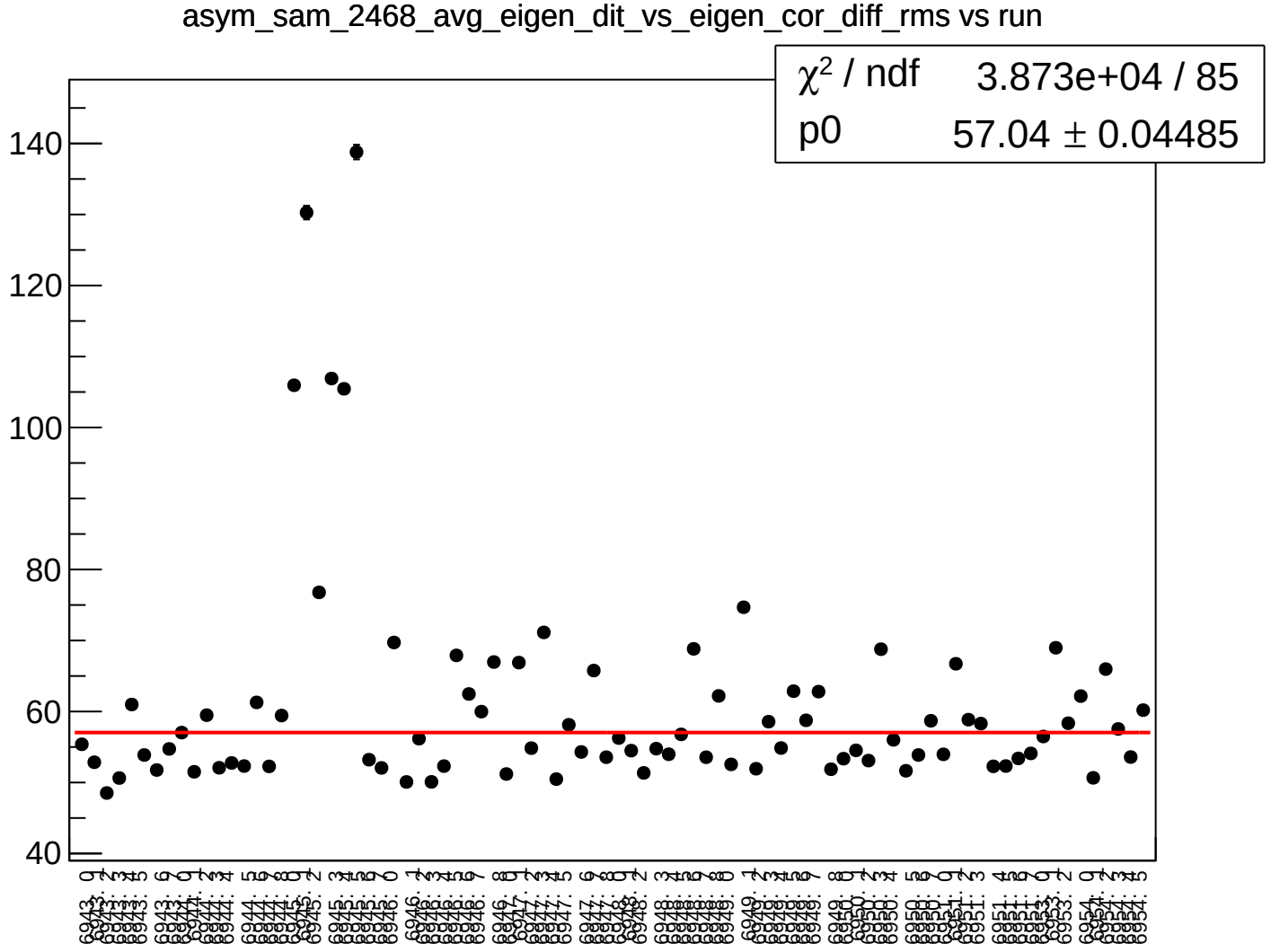

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.71 / 85
p0 1.413e−06 ± 3.389e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 403.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01064
Std Dev 0.9983
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

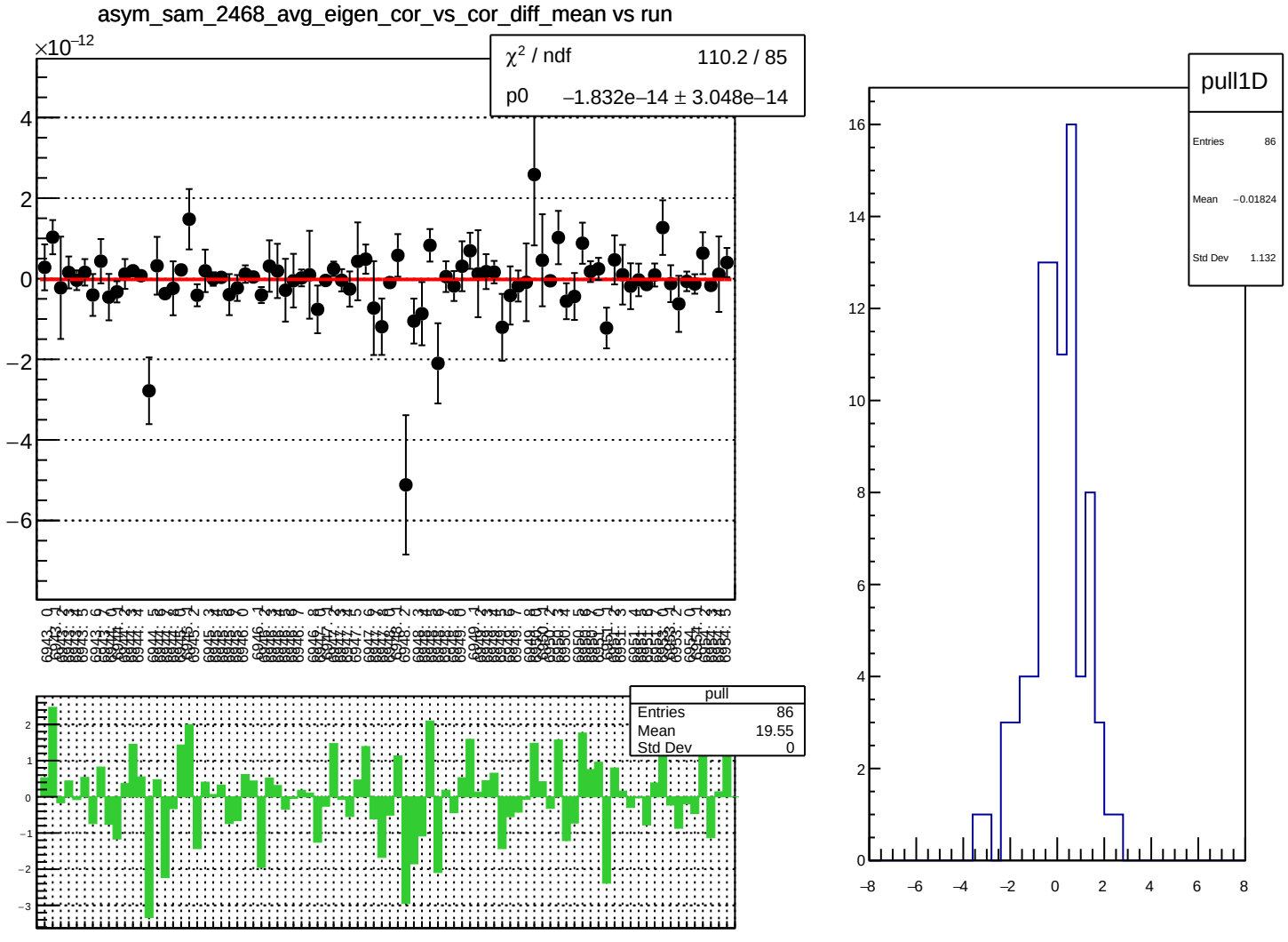

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1635 / 85
p0 0.003082 ± 2.396e−06
0.0033
0.0032
0.0031
0.003
0.0029

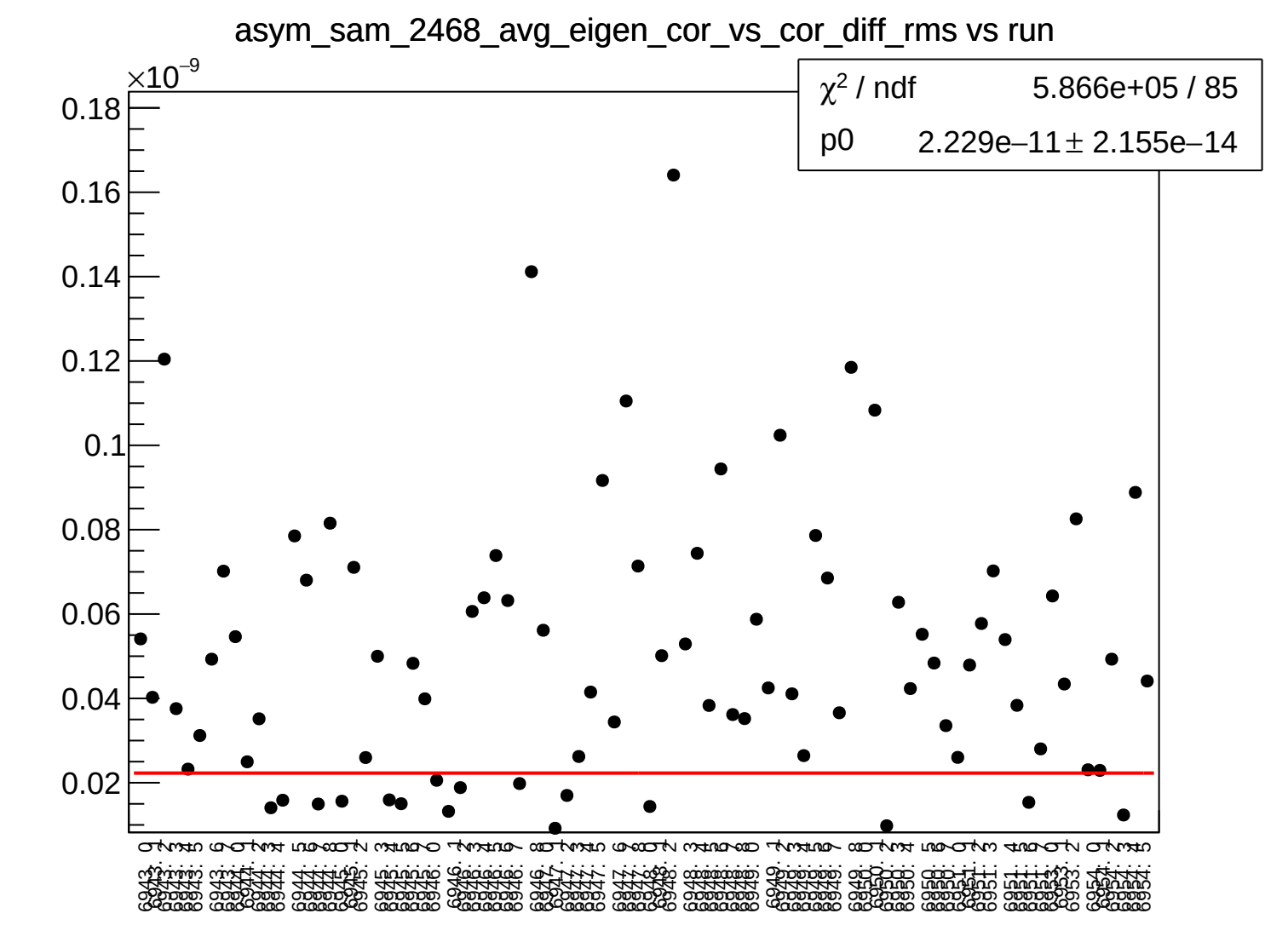

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 115.6 / 85
p0 0.02433 ± 0.06343
pull
Entries 86
Mean 124.1
Std Dev 0
pull1D
Entries 86
Mean 0.02494
Std Dev 1.159

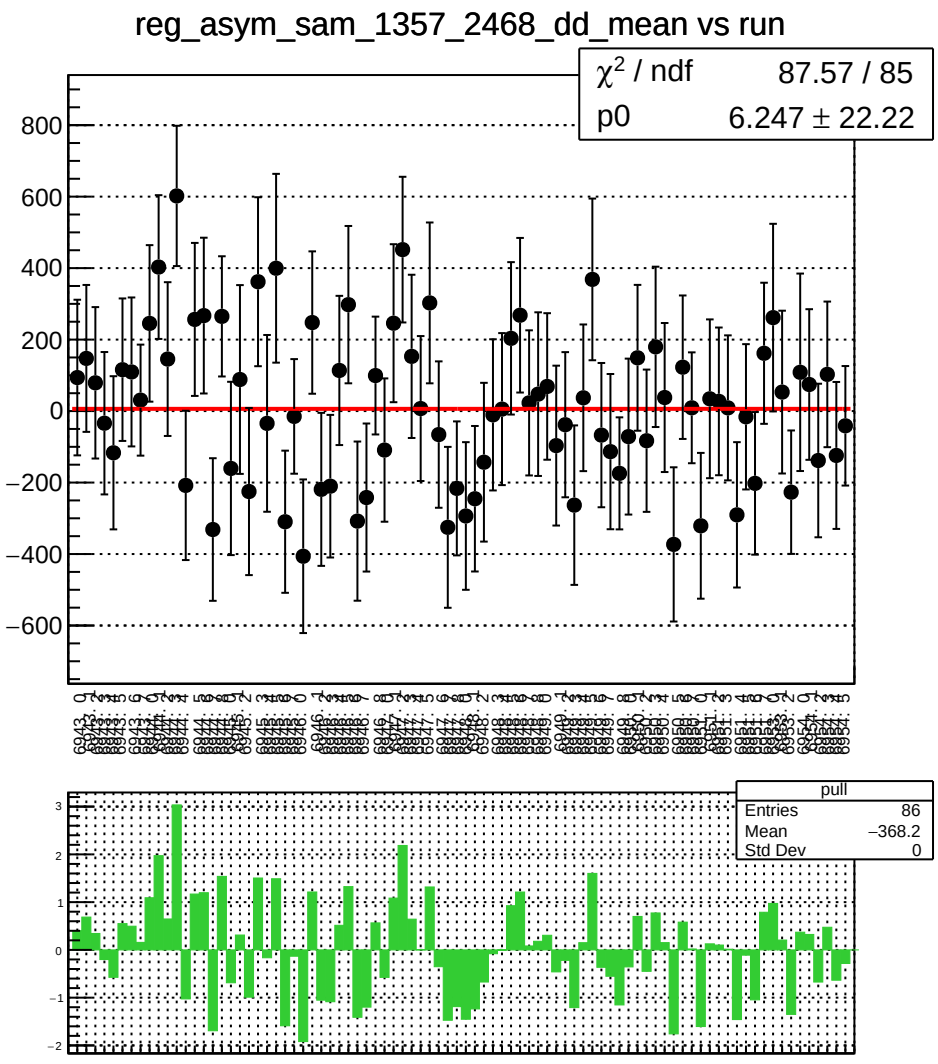

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.873e+04 / 85
p0 57.04 ± 0.04485
140
120
100
80
60
40

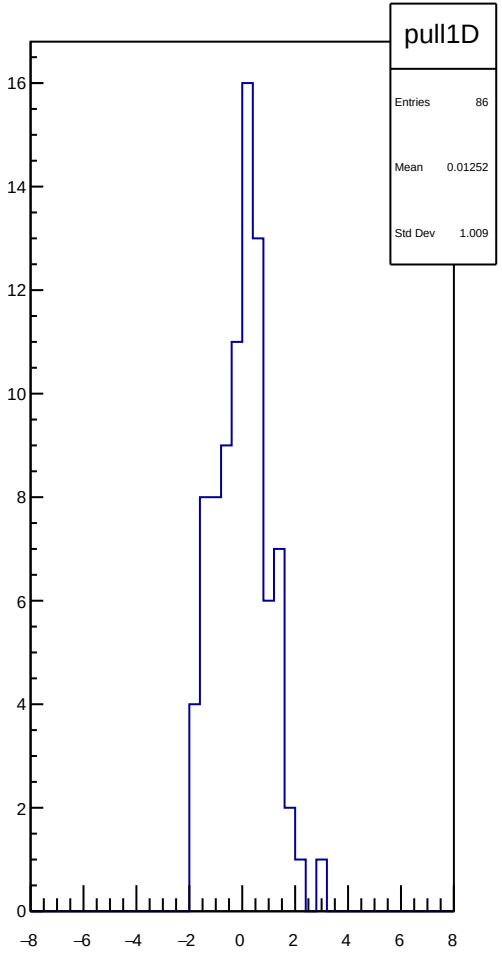

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.6 / 85
p0 0.02433 ± 0.06343
pull
Entries 86
Mean 124.1
Std Dev 0
pull1D
Entries 86
Mean 0.02494
Std Dev 1.159

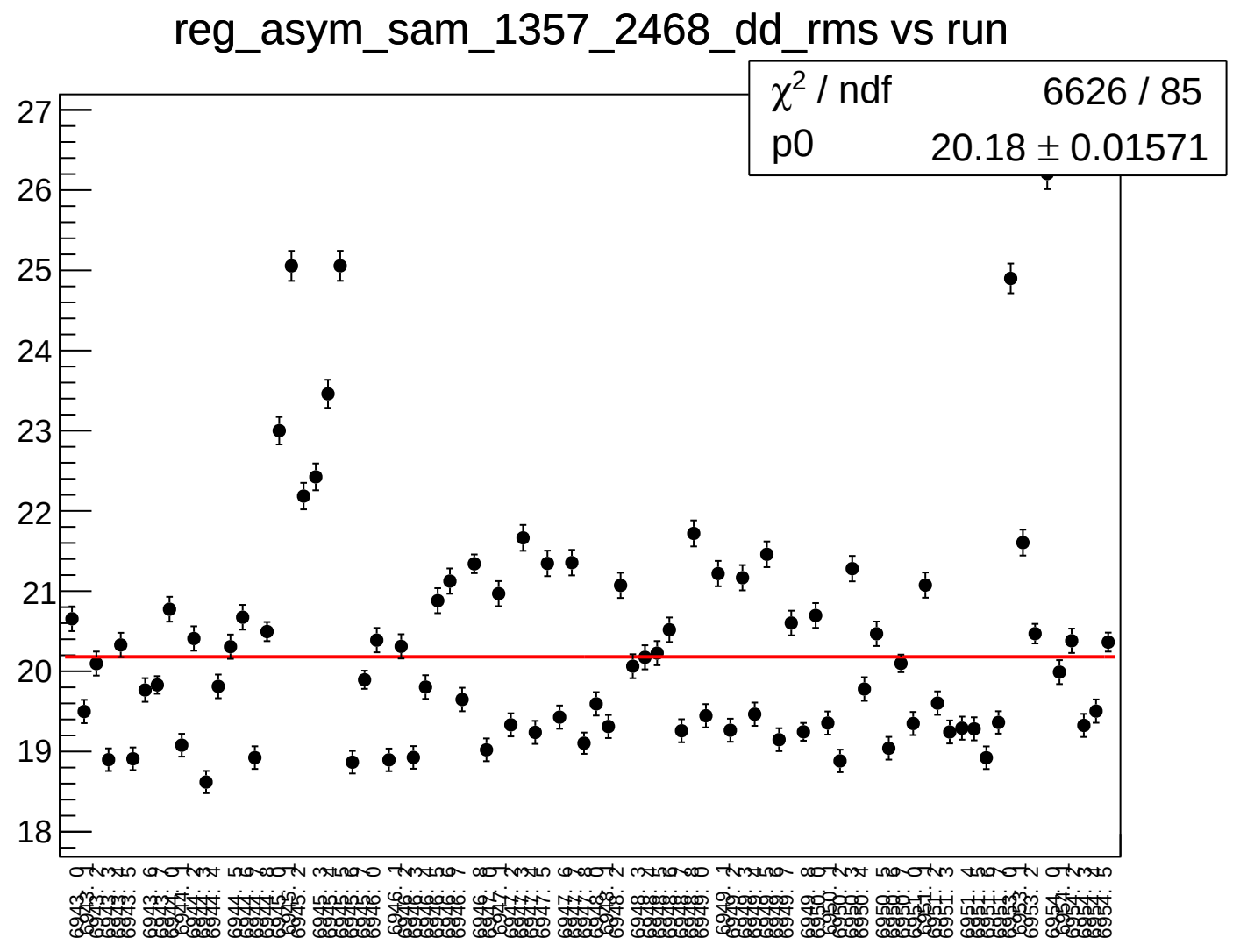

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.873e+04 / 85
p0 57.04 ± 0.04485
140
120
100
80
60
40

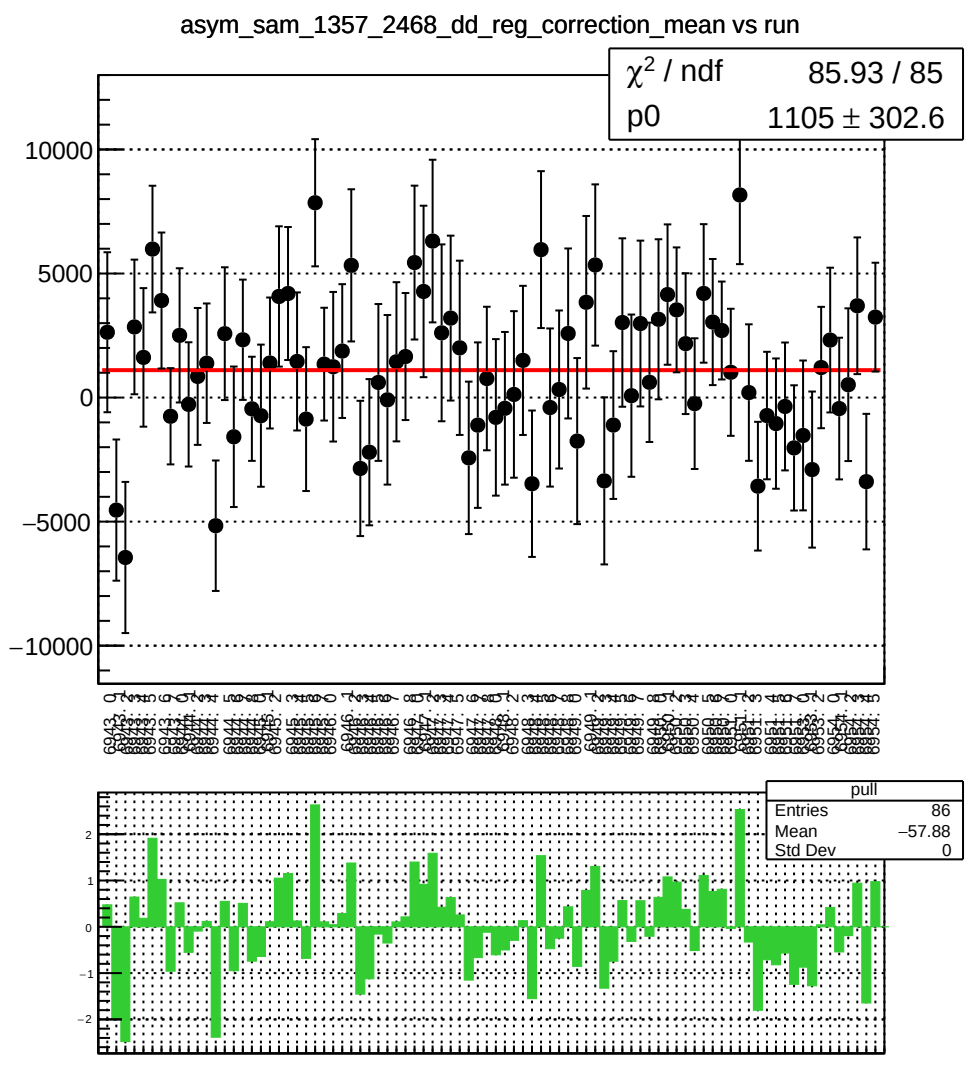

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 110.2 / 85
p0 −1.832e−14 ± 3.048e−14
pull
Entries 86
Mean 19.55
Std Dev 0
pull1D
Entries 86
Mean −0.01824
Std Dev 1.132

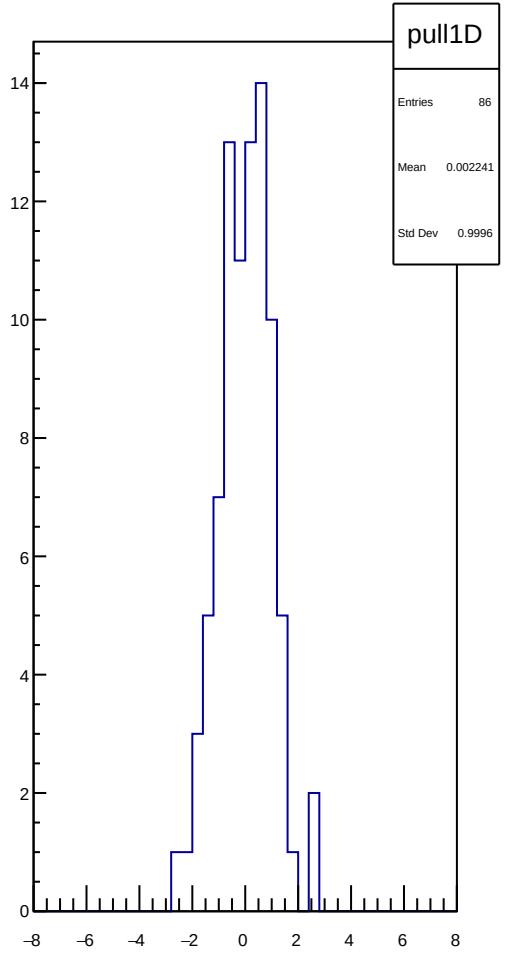

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.866e+05 / 85
p0 2.229e−11 ± 2.155e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

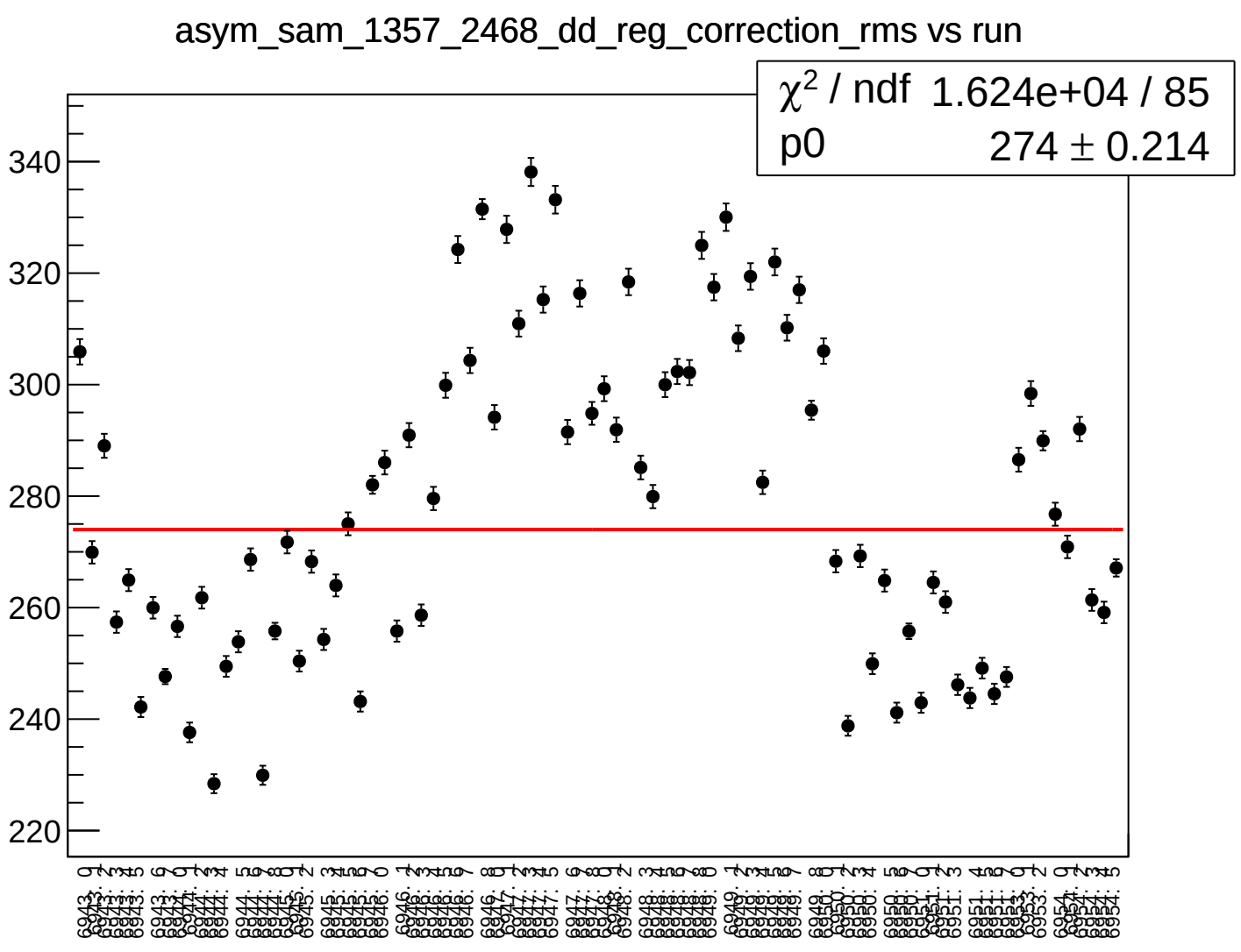

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.57 / 85
p0 6.247 ± 22.22
pull
Entries 86
Mean −368.2
Std Dev 0

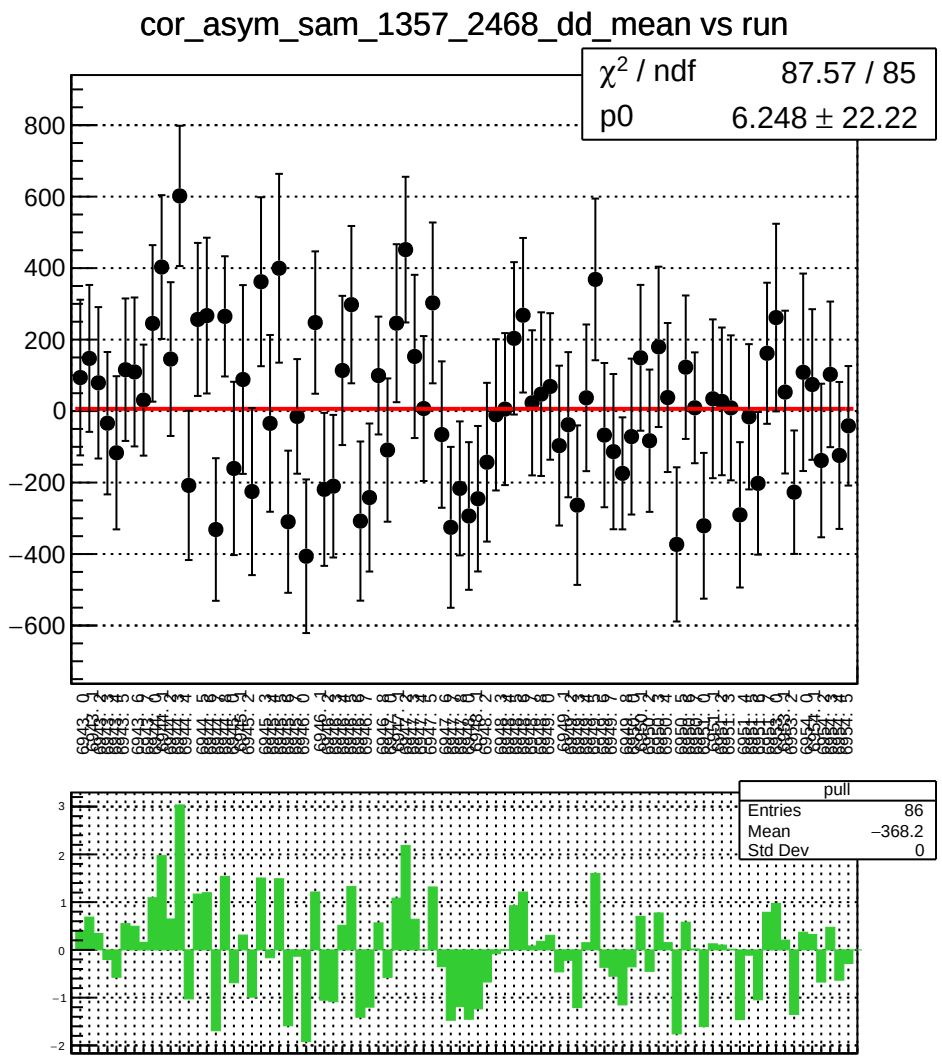

pull1D
Entries 86
Mean 0.01252
Std Dev 1.009

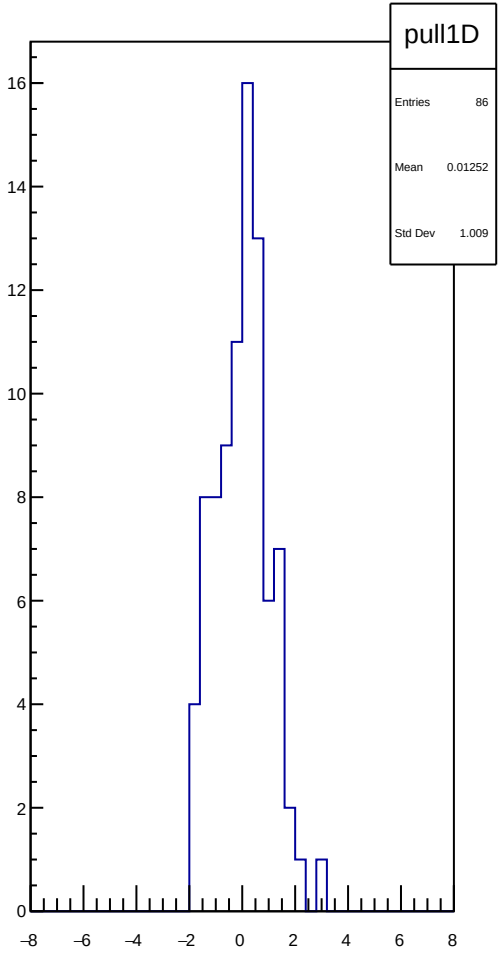

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6626 / 85
p0 20.18 ± 0.01571
27
26
25
24
23
22
21
20
19
18

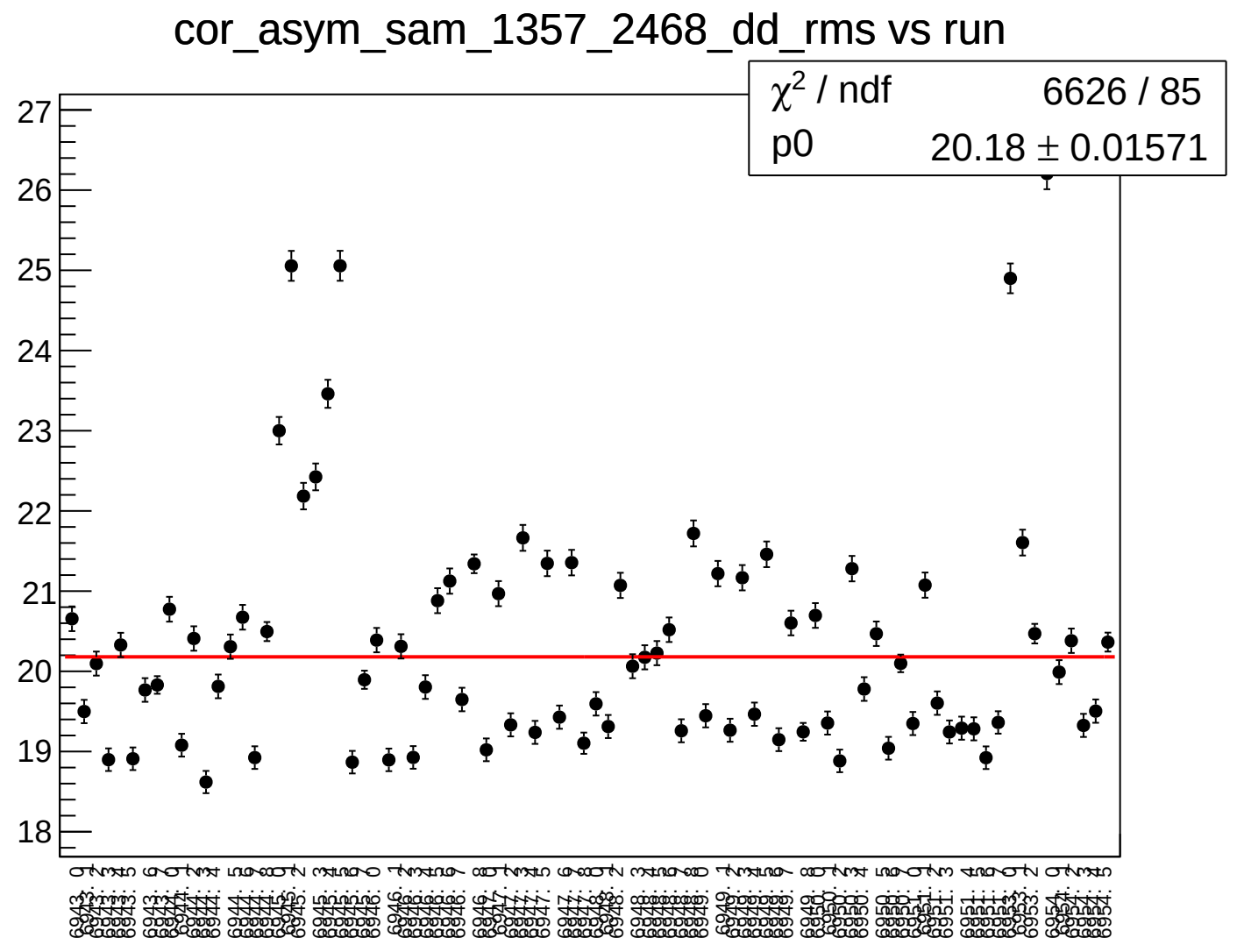

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 85.93 / 85
p0 1105 ± 302.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −57.88
Std Dev 0
2
1
0
−1
−2

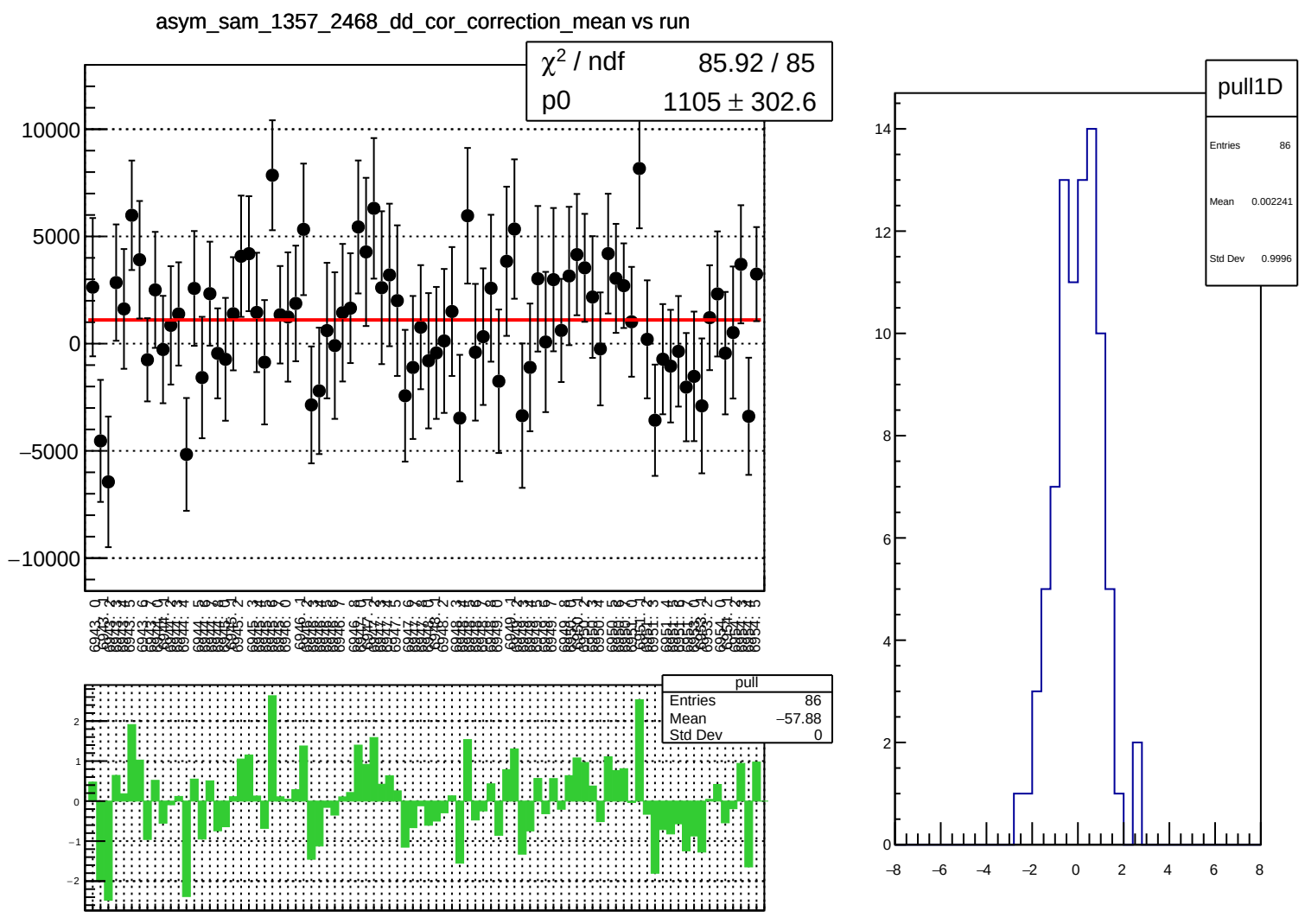

pull1D
Entries 86
Mean 0.002241
Std Dev 0.9996
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

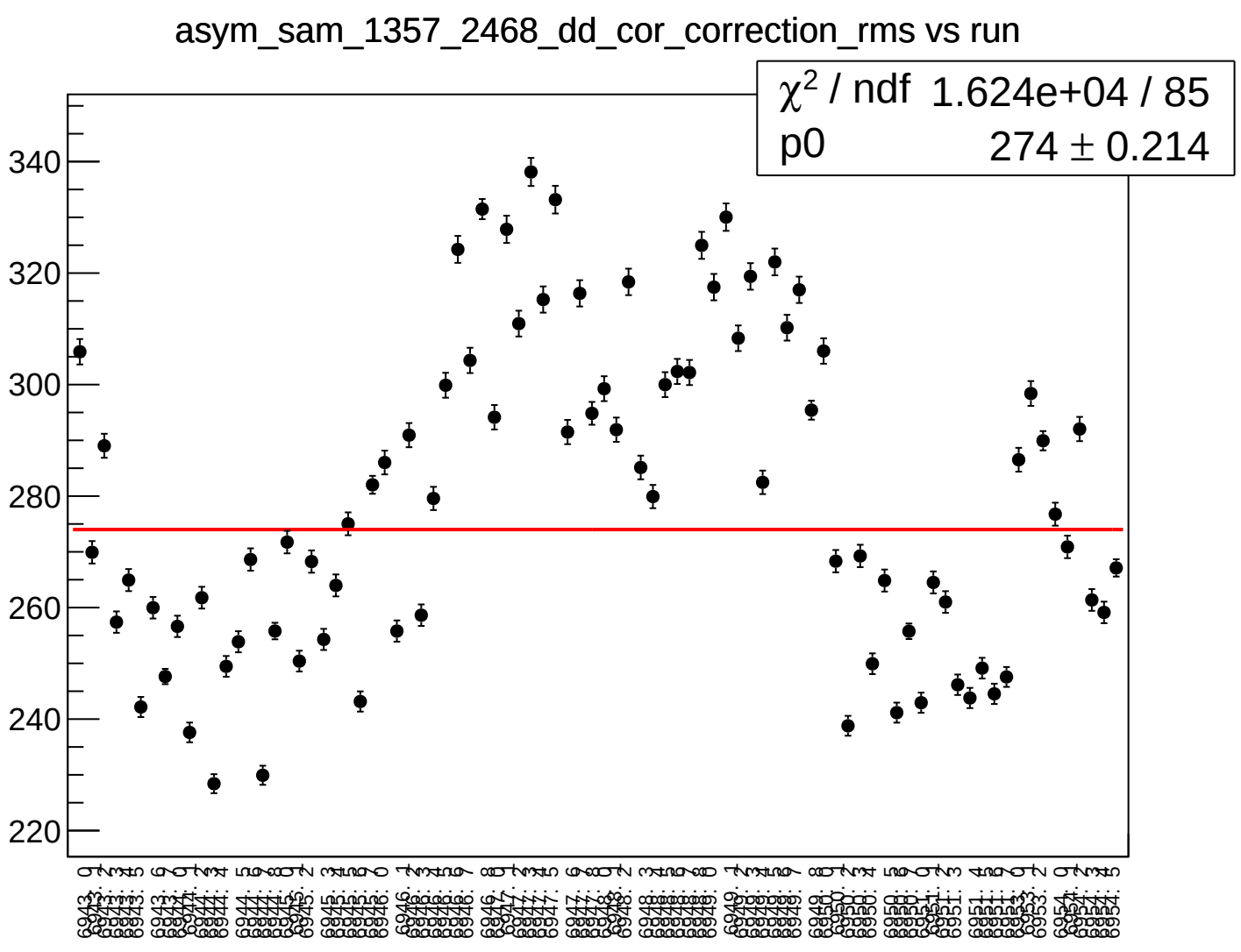

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1.624e+04 / 85
p0 274 ± 0.214
340
320
300
280
260
240
220

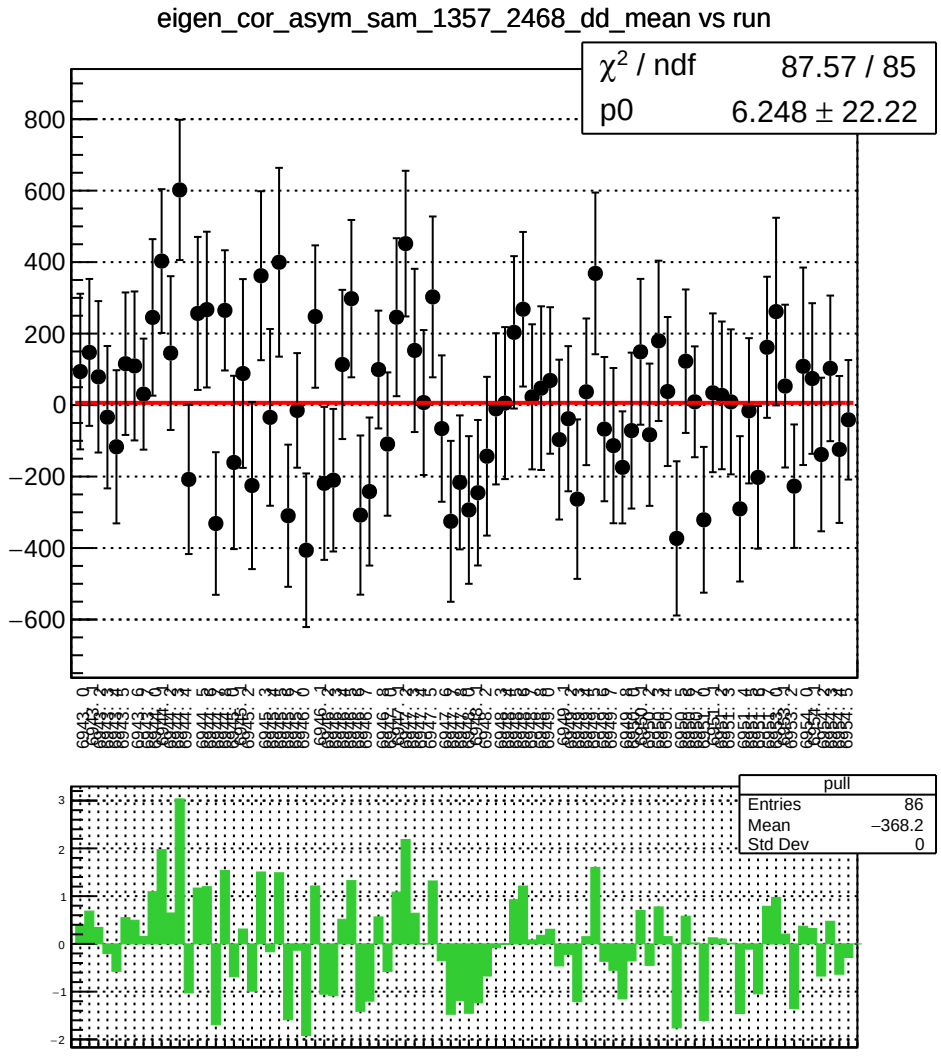

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.57 / 85
p0 6.248 ± 22.22
pull
Entries 86
Mean −368.2
Std Dev 0

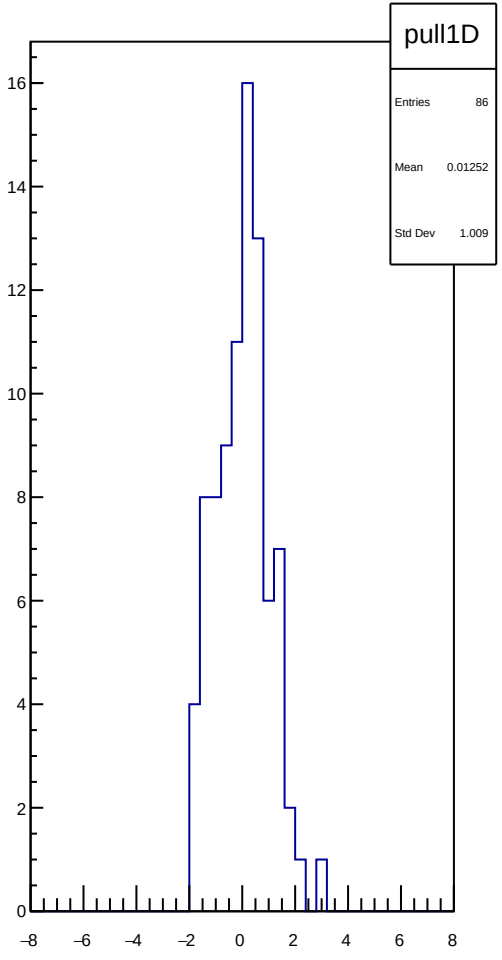

pull1D
Entries 86
Mean 0.01252
Std Dev 1.009

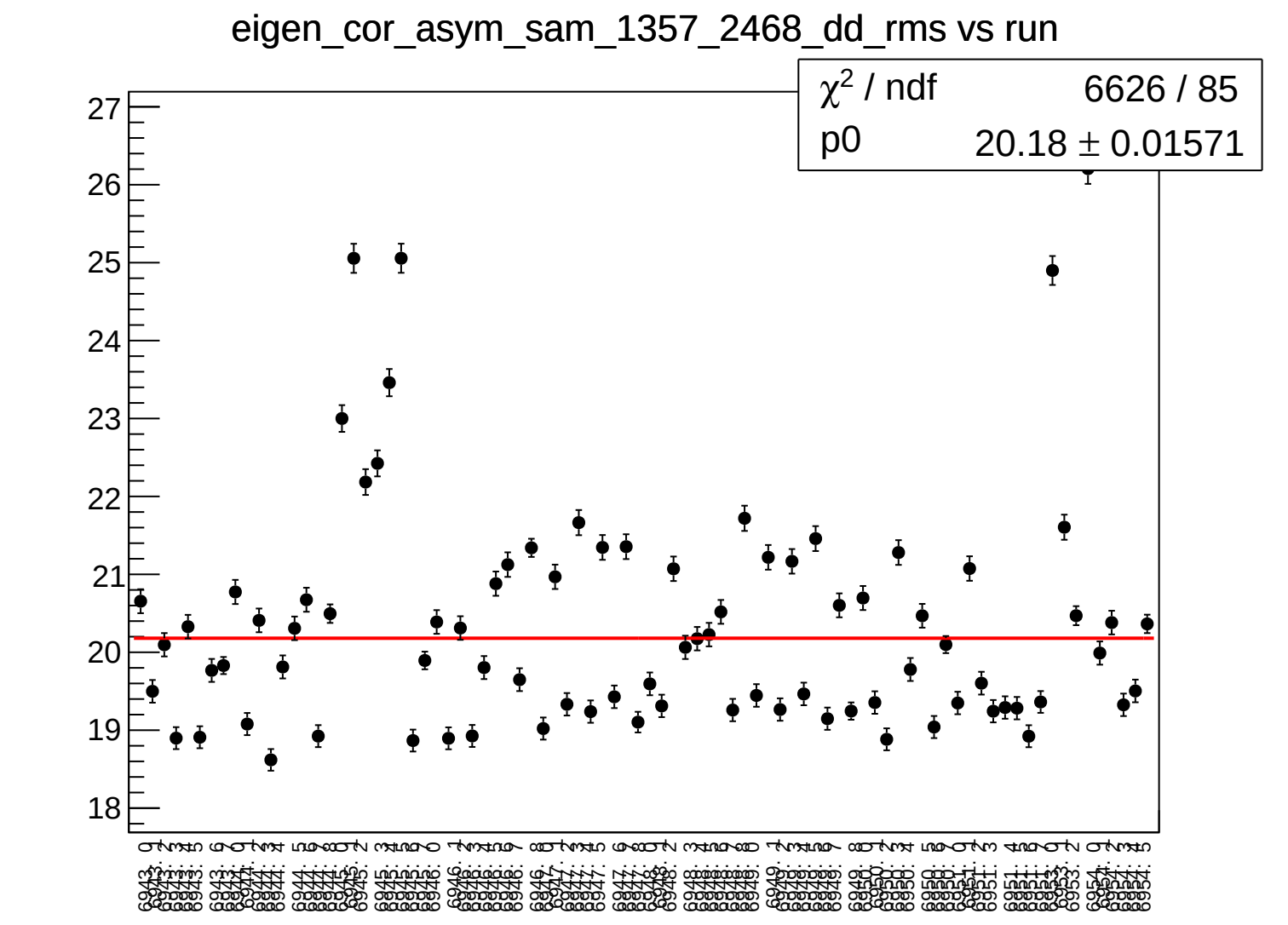

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6626 / 85
p0 20.18 ± 0.01571
27
26
25
24
23
22
21
20
19
18

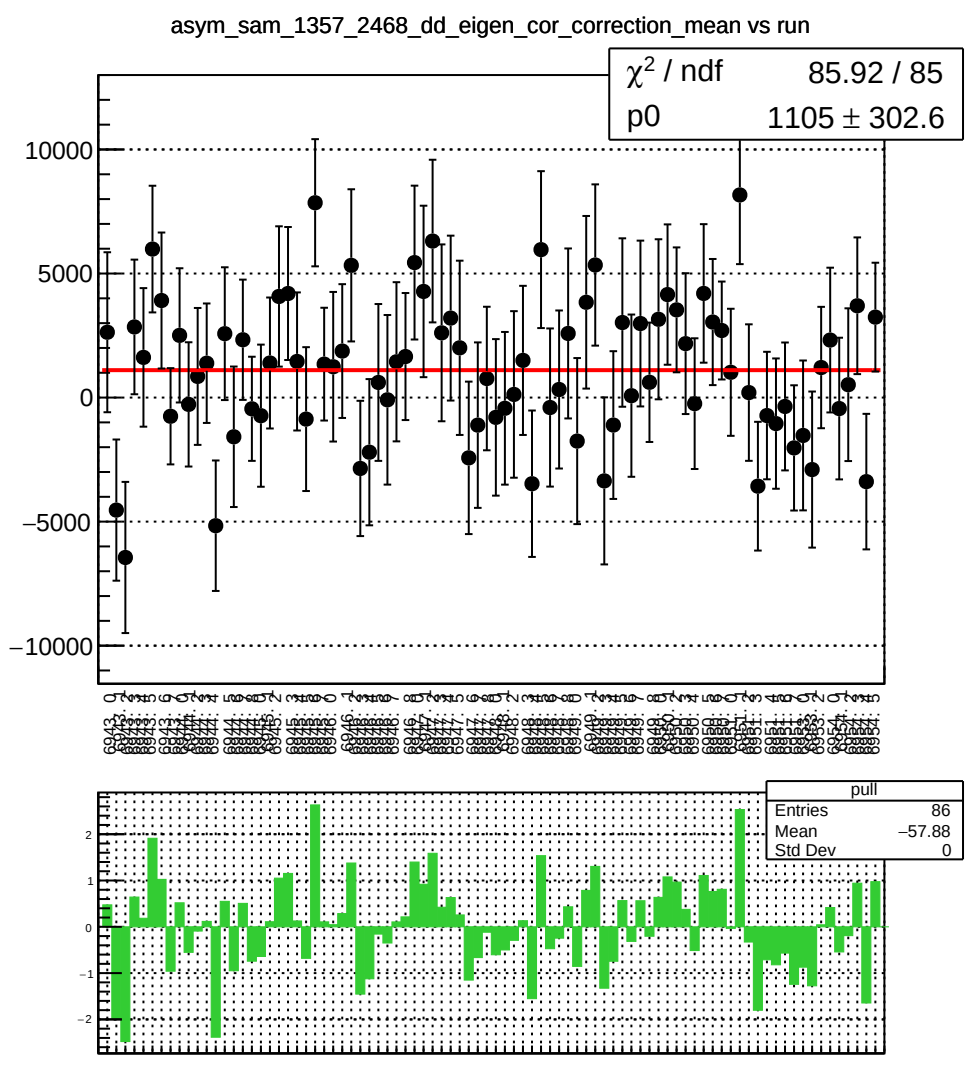

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 85.92 / 85
p0 1105 ± 302.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −57.88
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.002241
Std Dev 0.9996
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

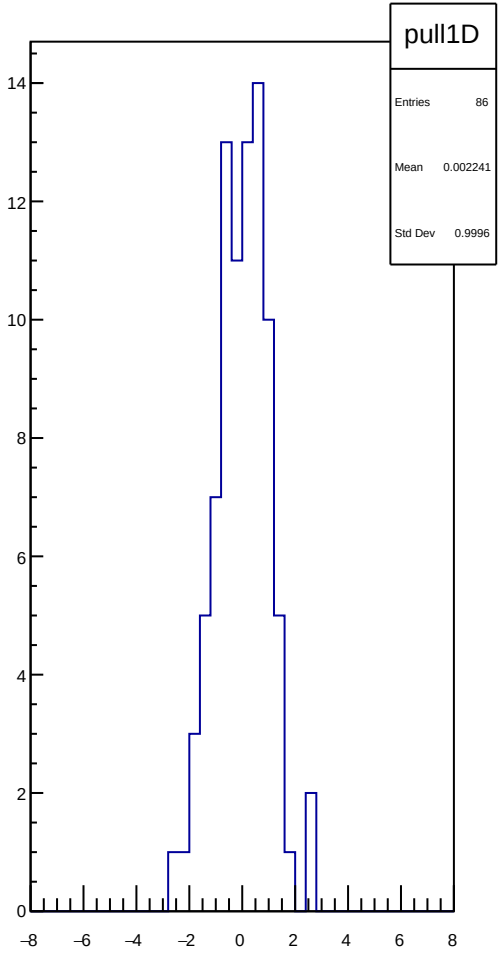

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1.624e+04 / 85
p0 274 ± 0.214
340
320
300
280
260
240
220

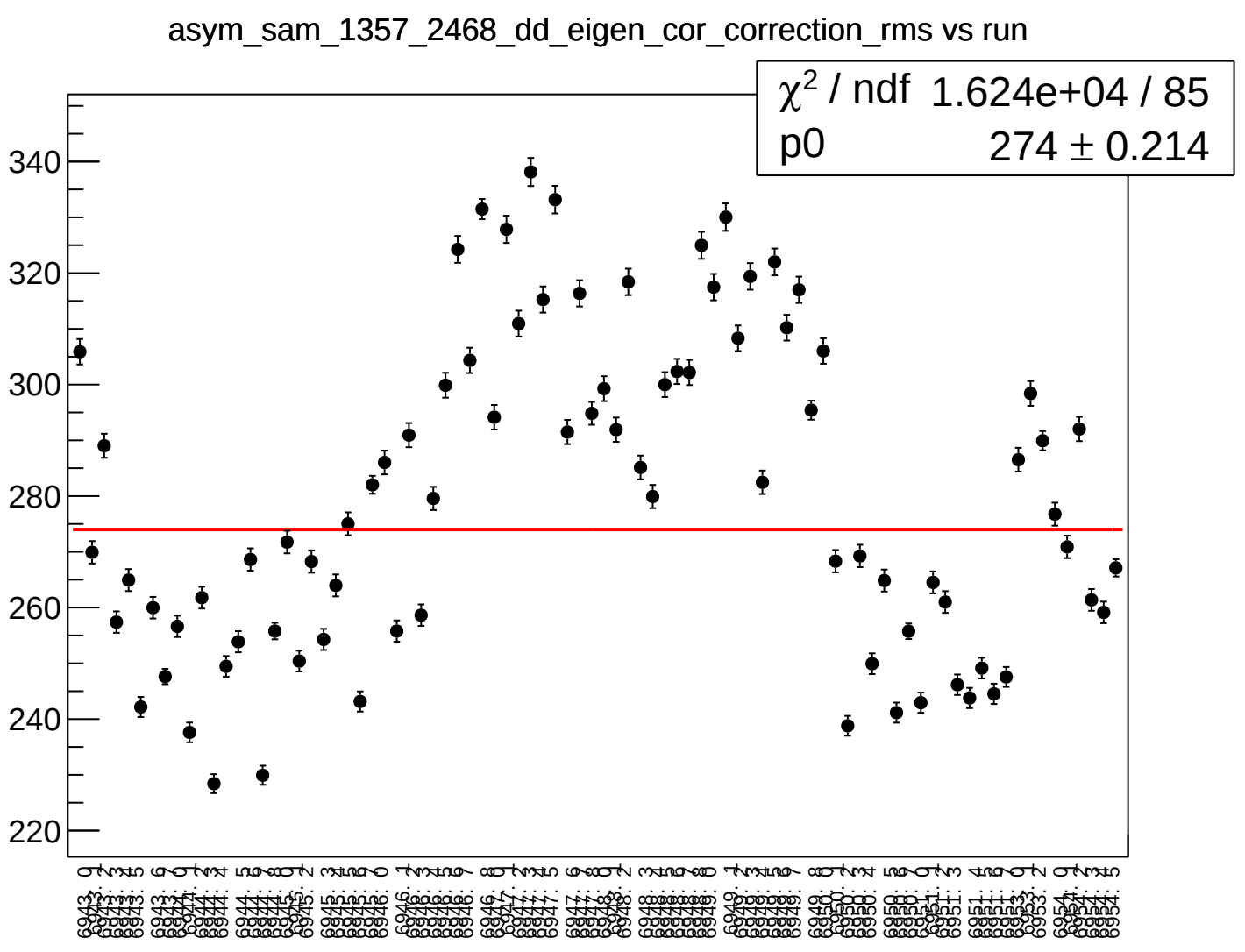

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.57 / 85
p0 6.248 ± 22.22
pull
Entries 86
Mean −368.2
Std Dev 0

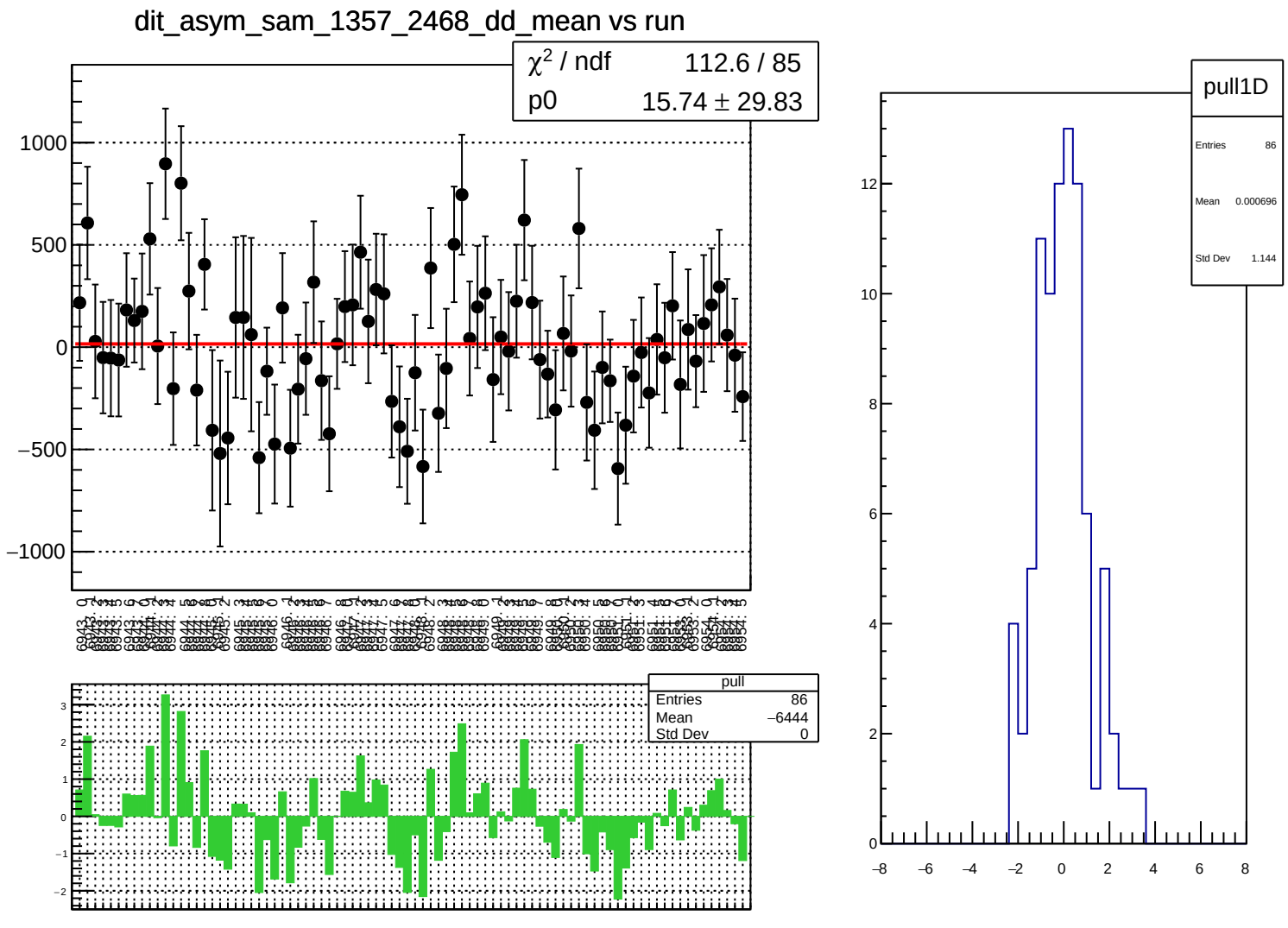

pull1D
Entries 86
Mean 0.01252
Std Dev 1.009

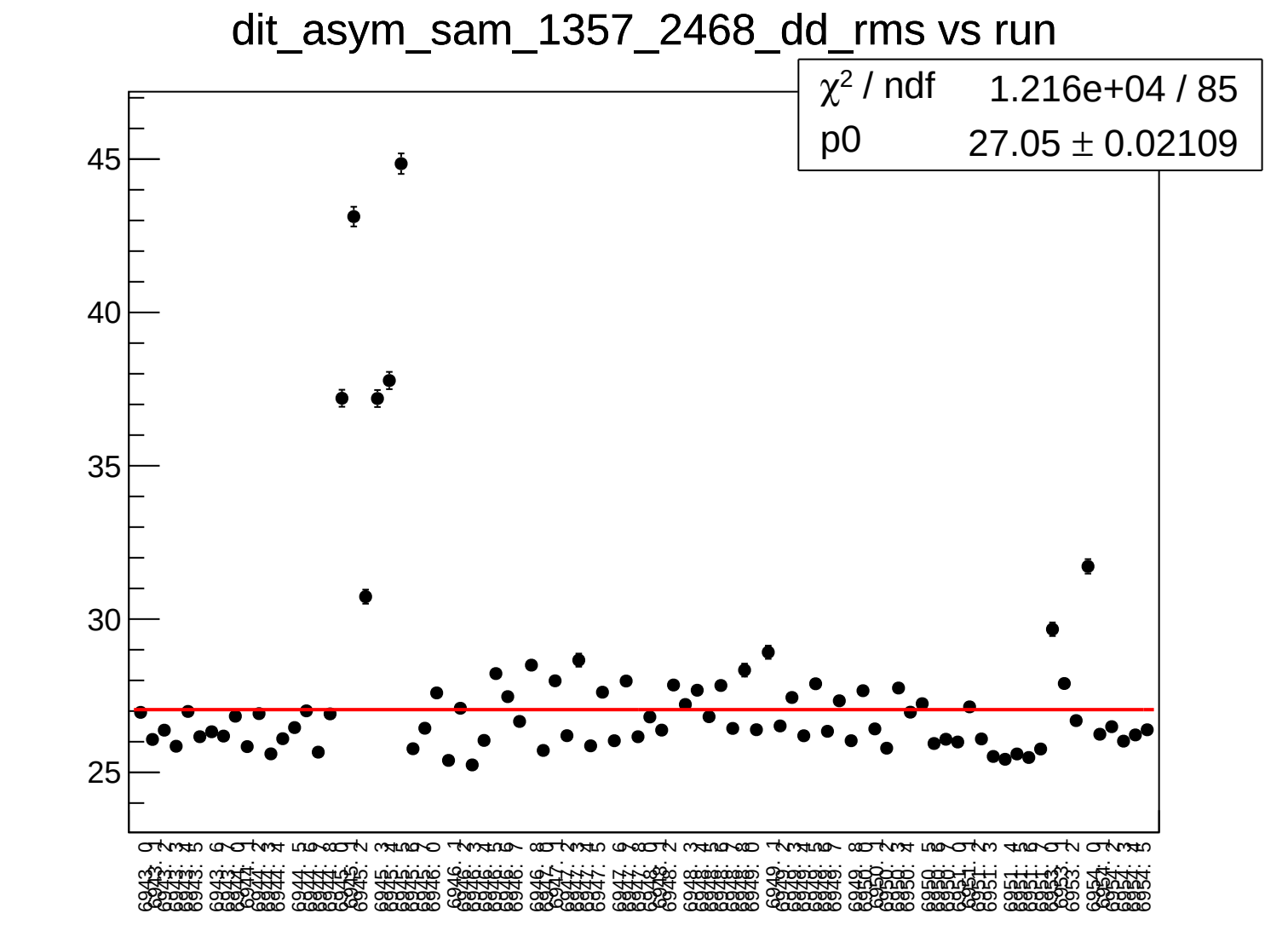

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6626 / 85
p0 20.18 ± 0.01571
27
26
25
24
23
22
21
20
19
18

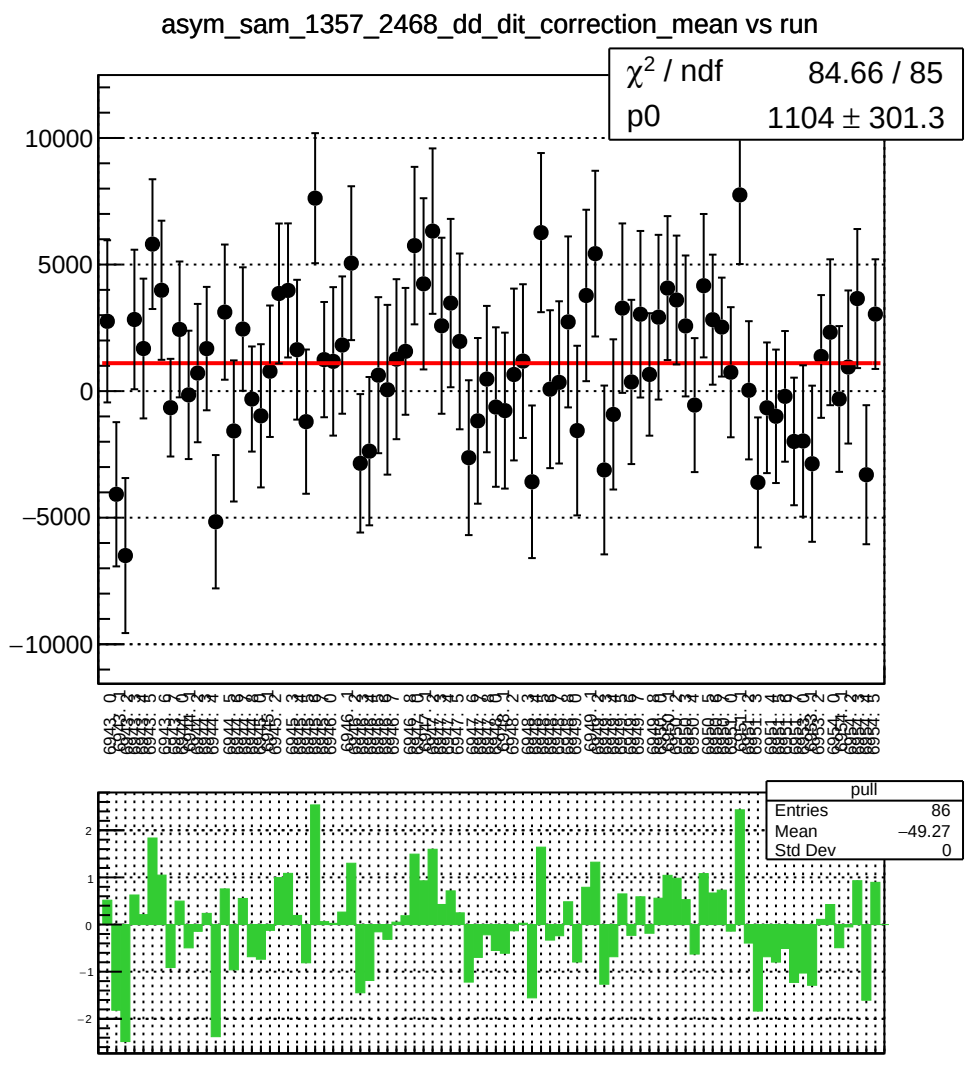

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.92 / 85
p0 1105 ± 302.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −57.88
Std Dev 0
2
1
0
−1
−2

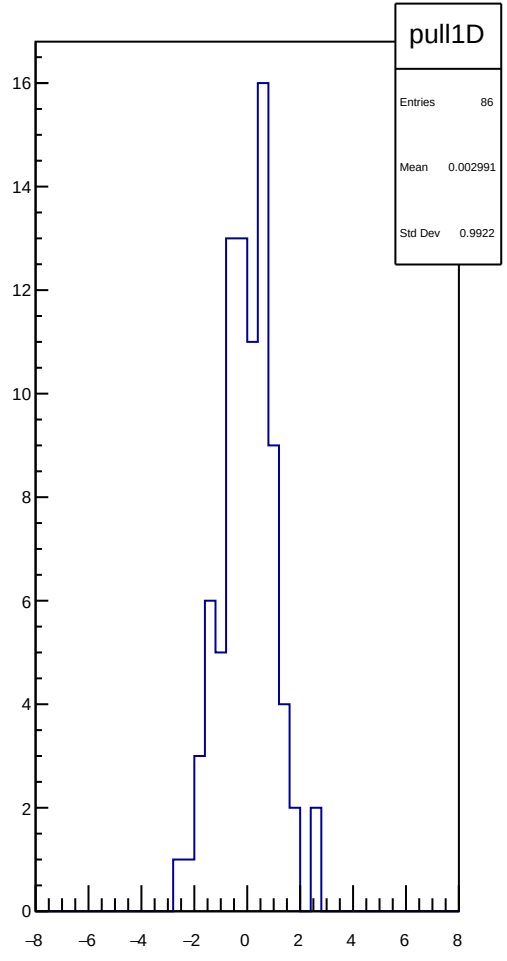

pull1D
Entries 86
Mean 0.002241
Std Dev 0.9996
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.624e+04 / 85
p0 274 ± 0.214
340
320
300
280
260
240
220


dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 112.6 / 85
p0 15.74 ± 29.83
1000
500
0
−500
−1000
pull
Entries 86
Mean −6444
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.000696
Std Dev 1.144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.216e+04 / 85
p0 27.05 ± 0.02109
45
40
35
30
25


asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 84.66 / 85
p0 1104 ± 301.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −49.27
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.002991
Std Dev 0.9922
16
14
12
10
8
6
4
2
0
−8
−6
−4
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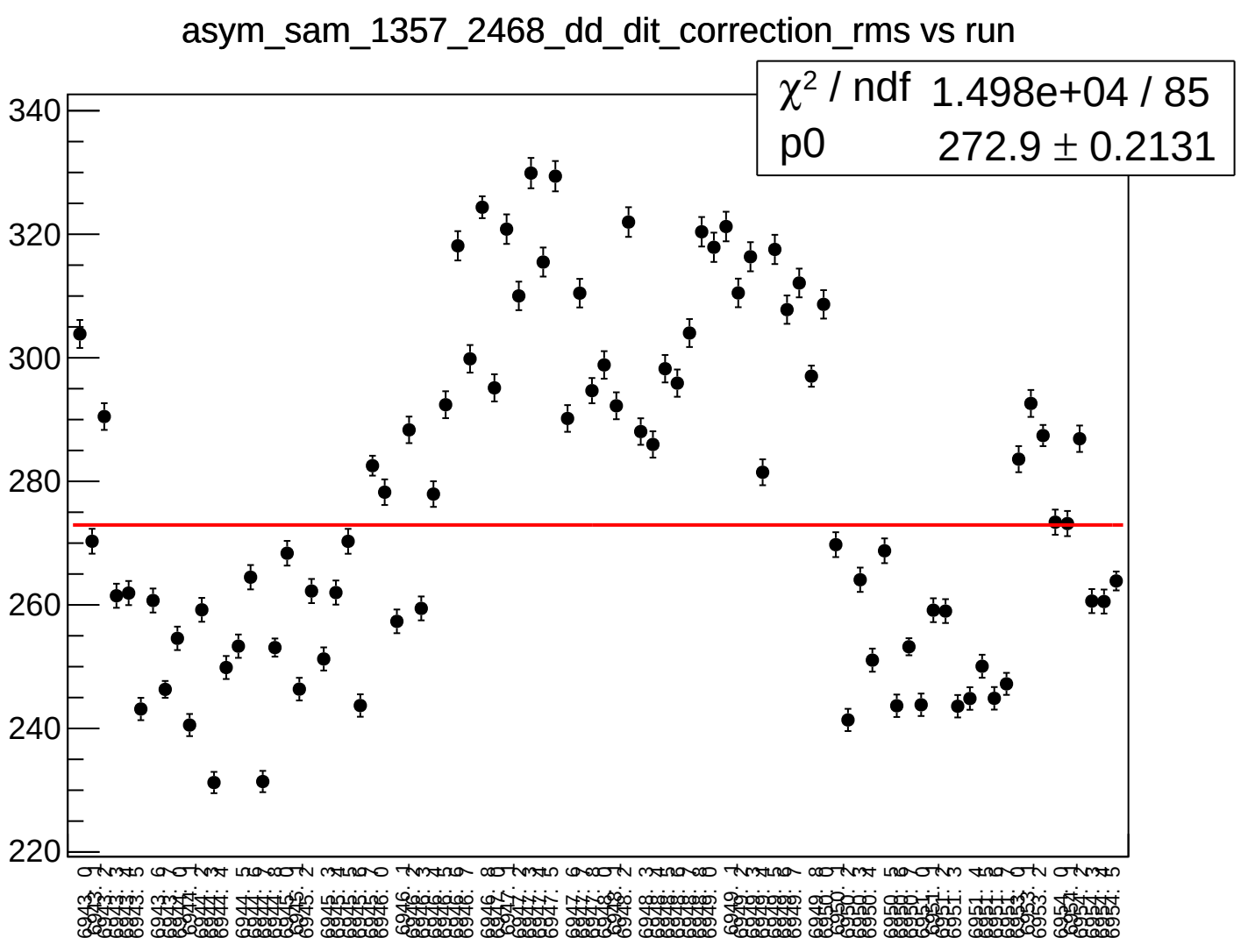
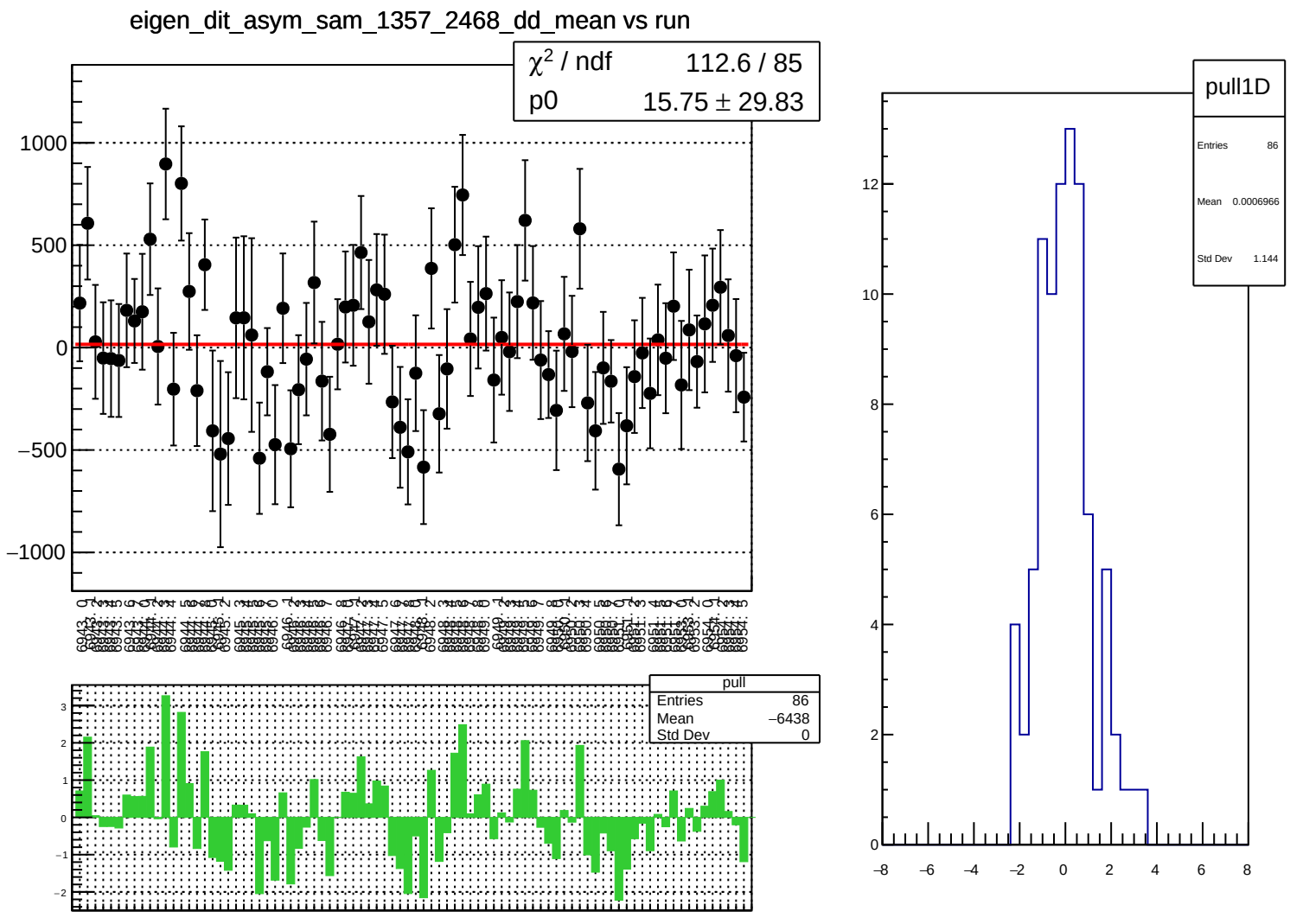
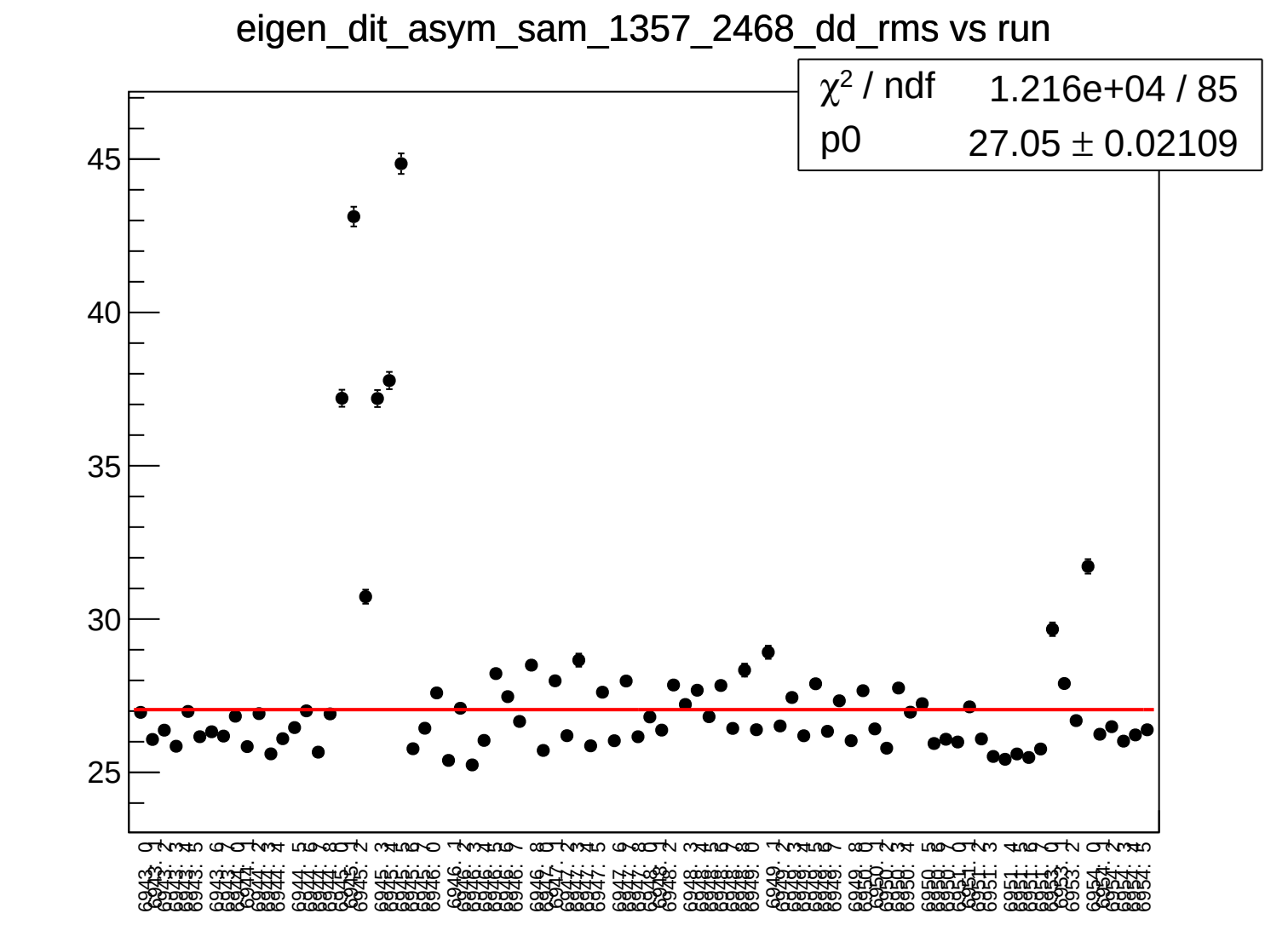
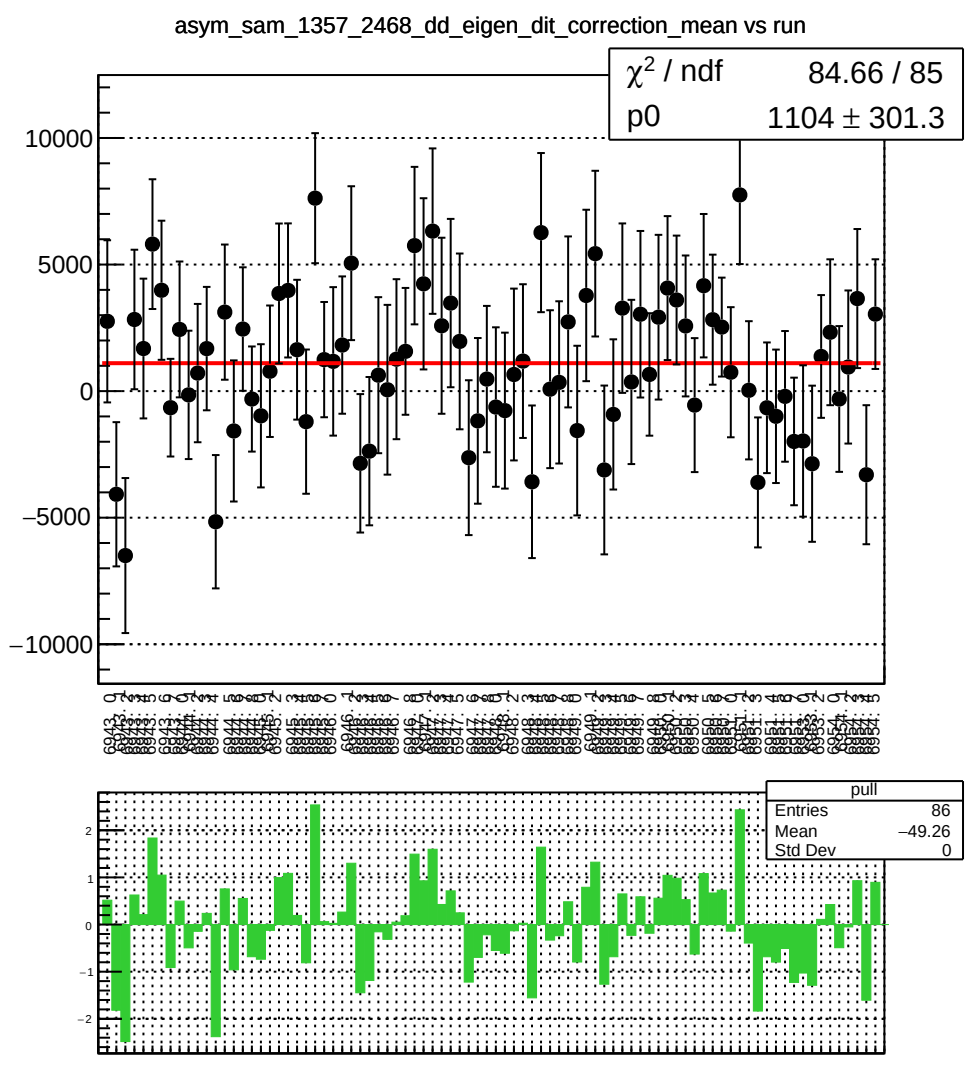
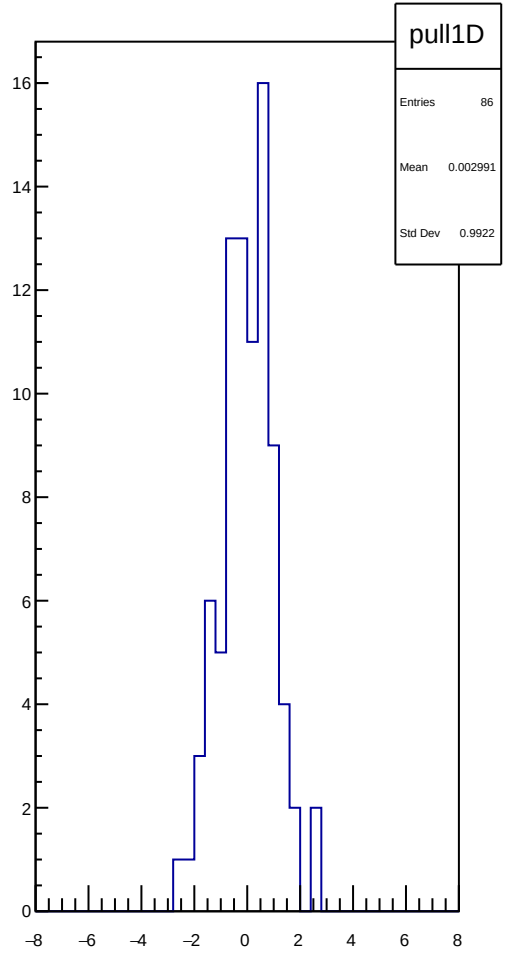
0
2
4
6
8

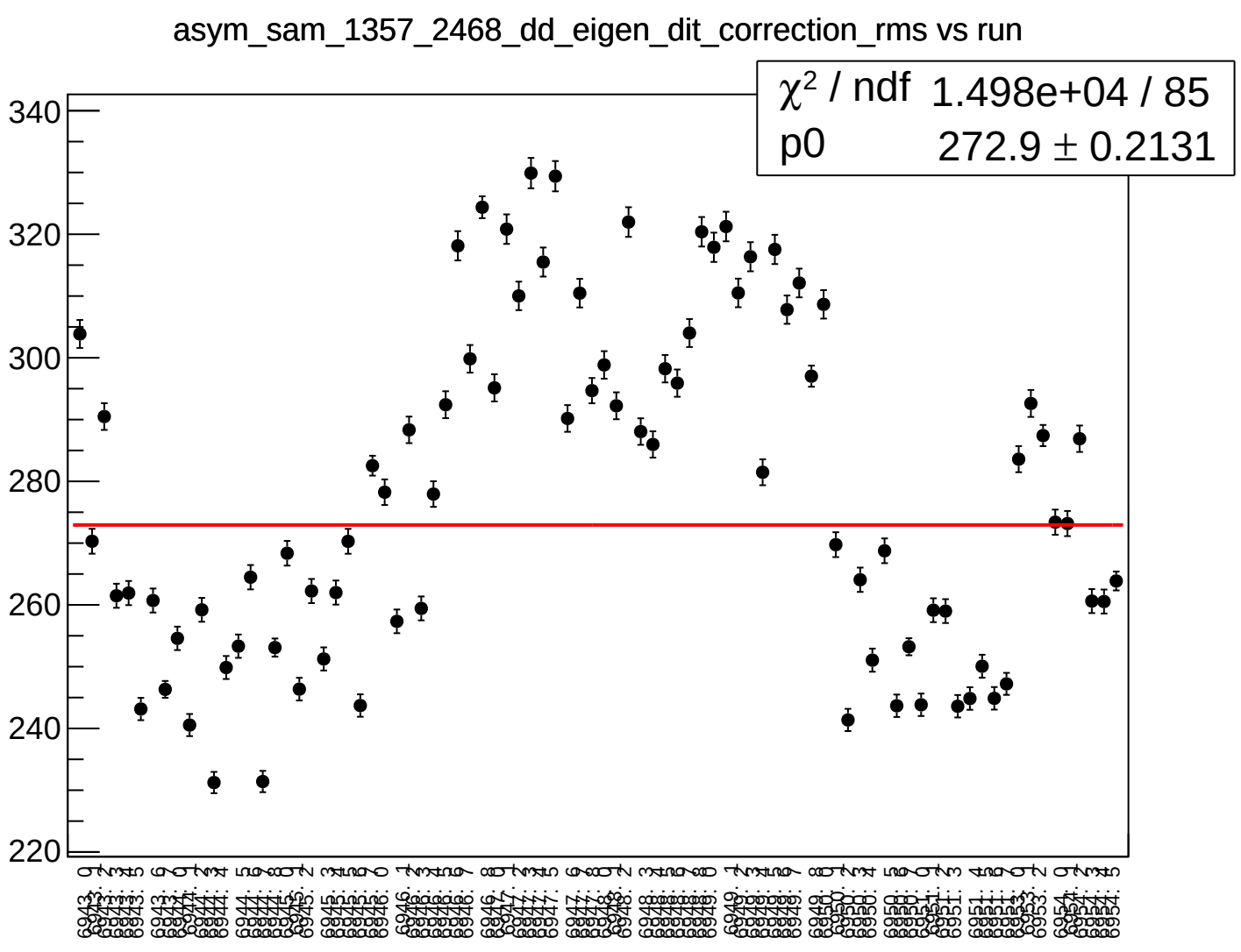

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 1.498e+04 / 85
p0 272.9 ± 0.2131
340
320
300
280
260
240
220

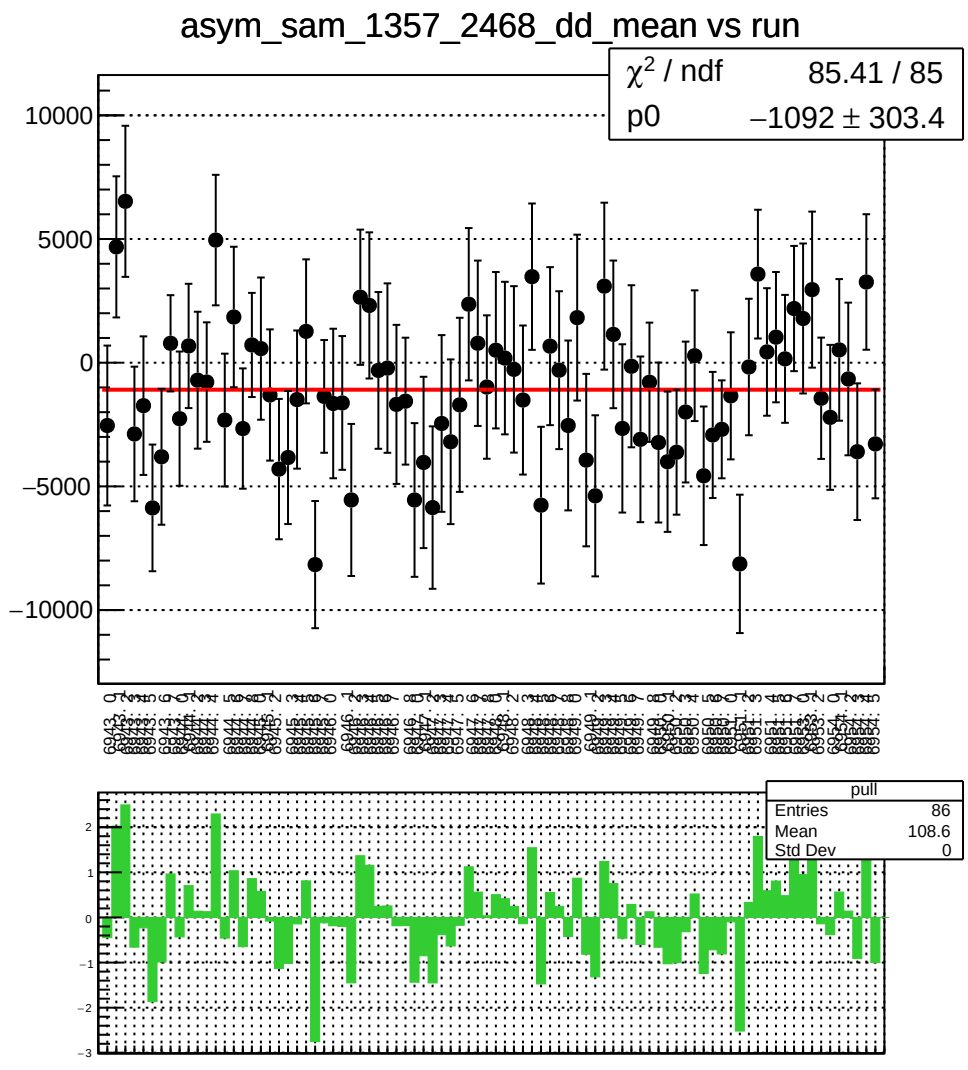

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 112.6 / 85
p0 15.75 ± 29.83
1000
500
0
−500
−1000
pull
Entries 86
Mean −6438
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.0006966
Std Dev 1.144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

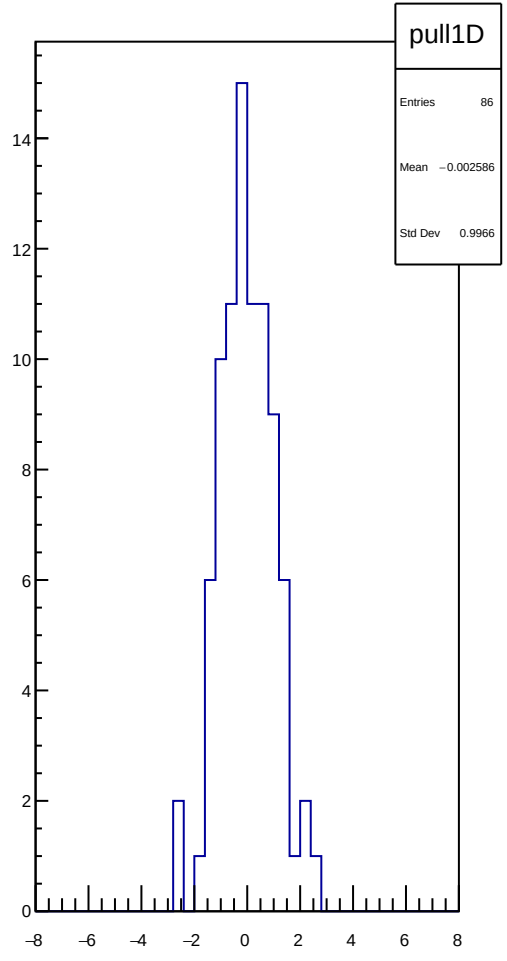

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.216e+04 / 85
p0 27.05 ± 0.02109
45
40
35
30
25


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.66 / 85
p0 1104 ± 301.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −49.26
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 86
Mean 0.002991
Std Dev 0.9922
16
14
12
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 1.498e+04 / 85
p0 272.9 ± 0.2131
340
320
300
280
260
240
220


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.41 / 85
p0 −1092 ± 303.4
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 108.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 86
Mean −0.002586
Std Dev 0.9966
14
12
10
8
6
4
2
0
−8
−6
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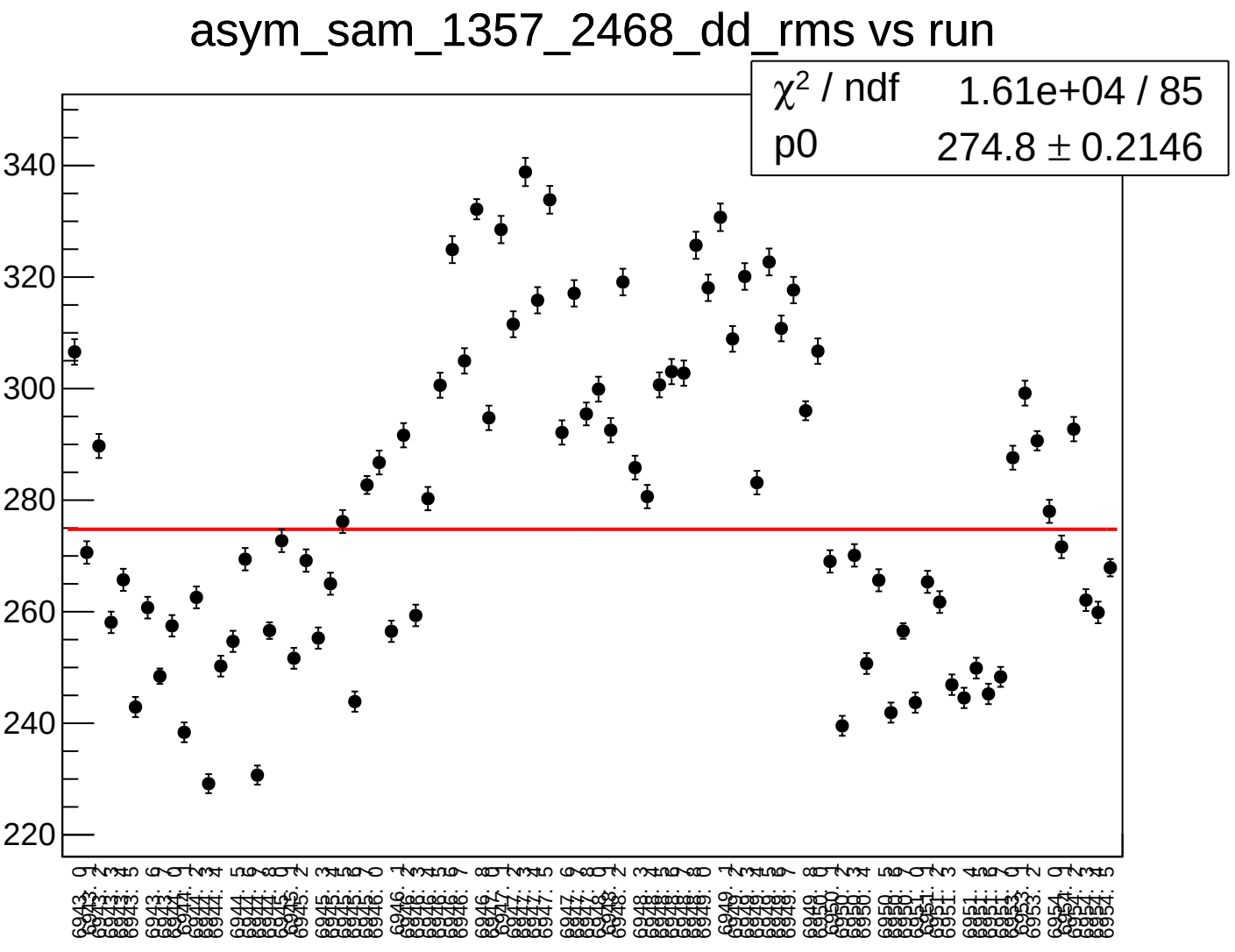
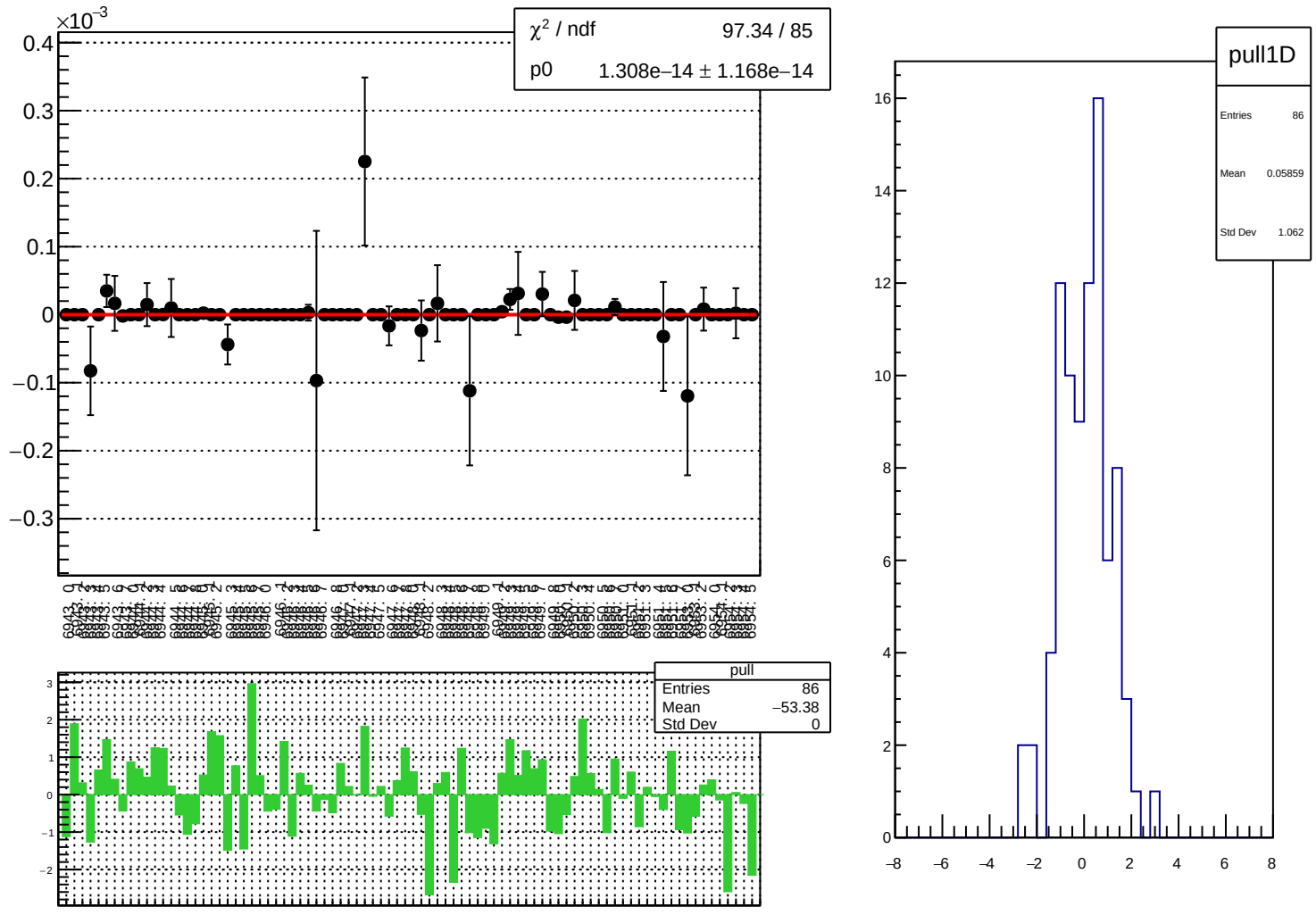
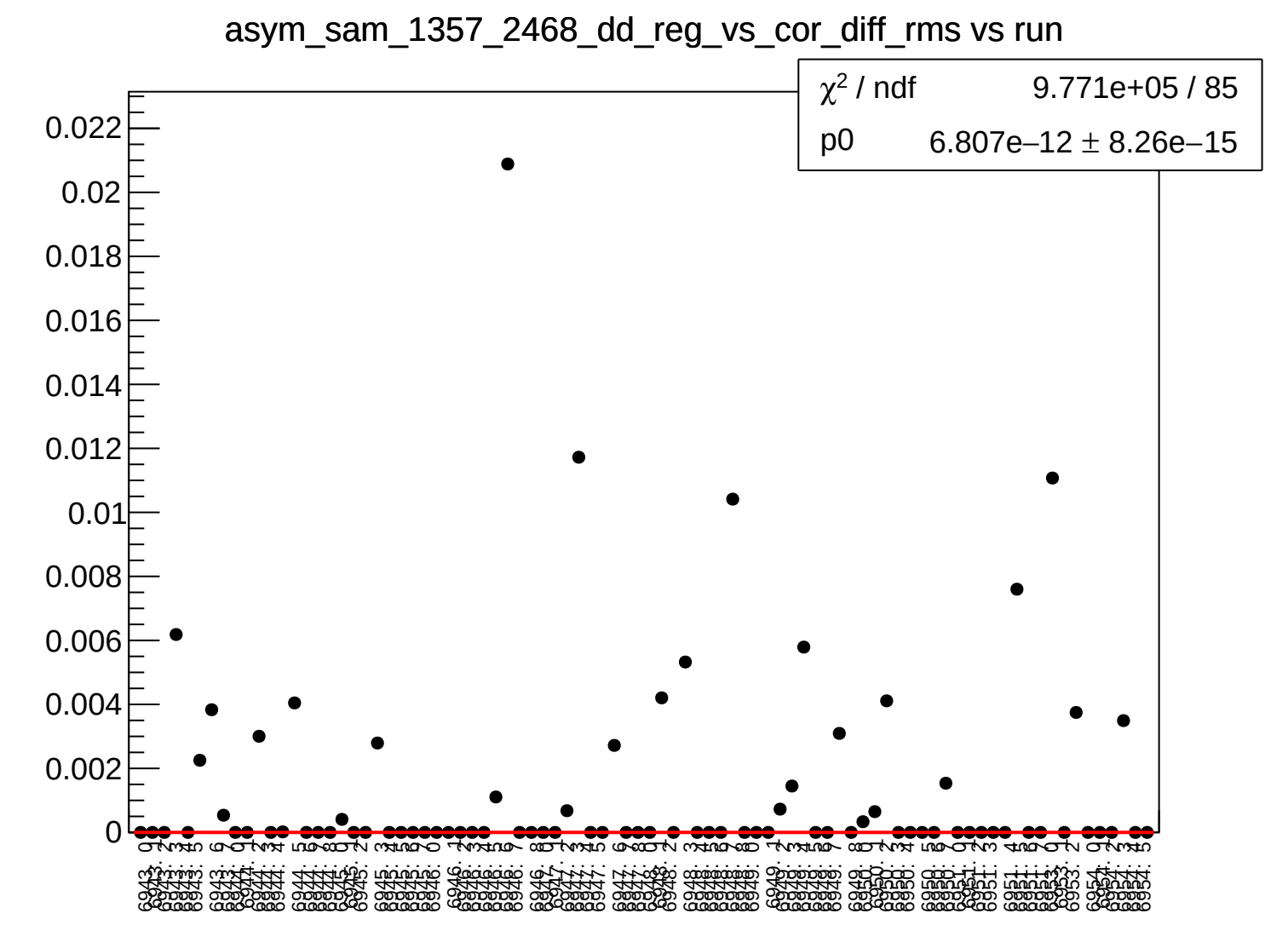
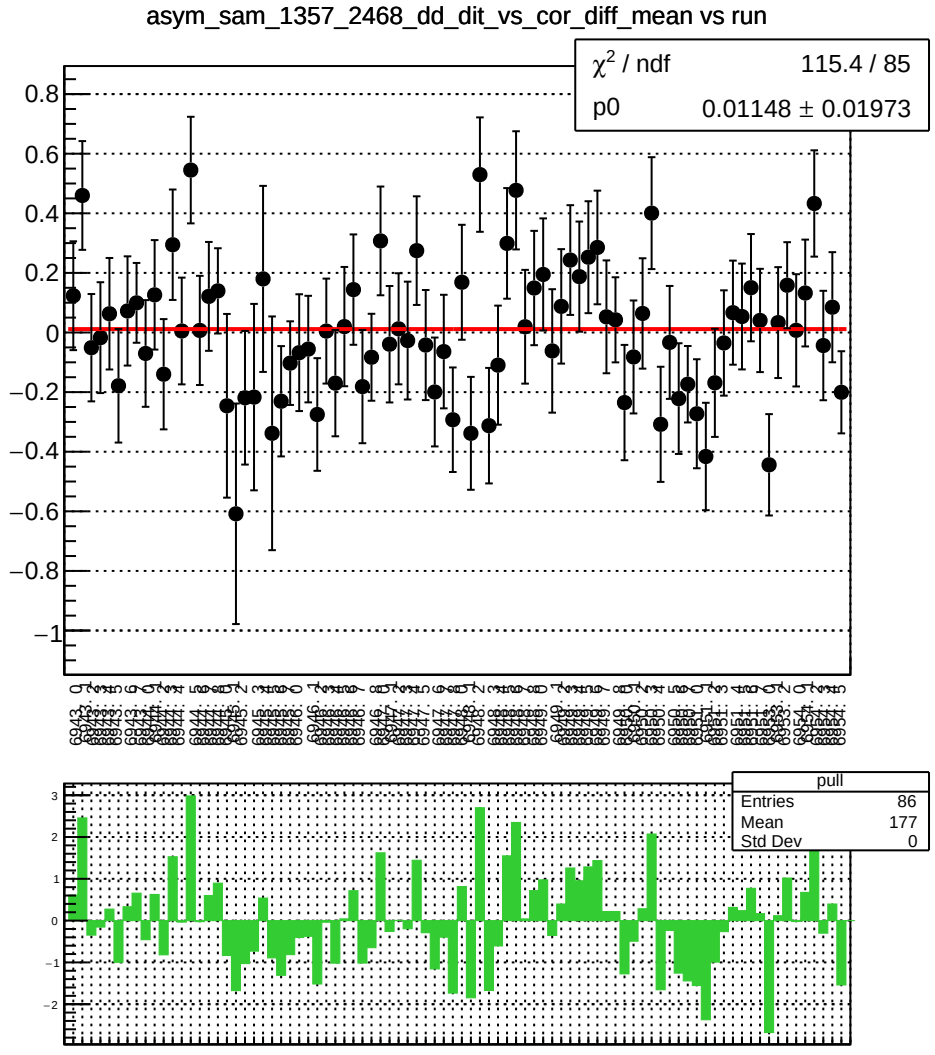
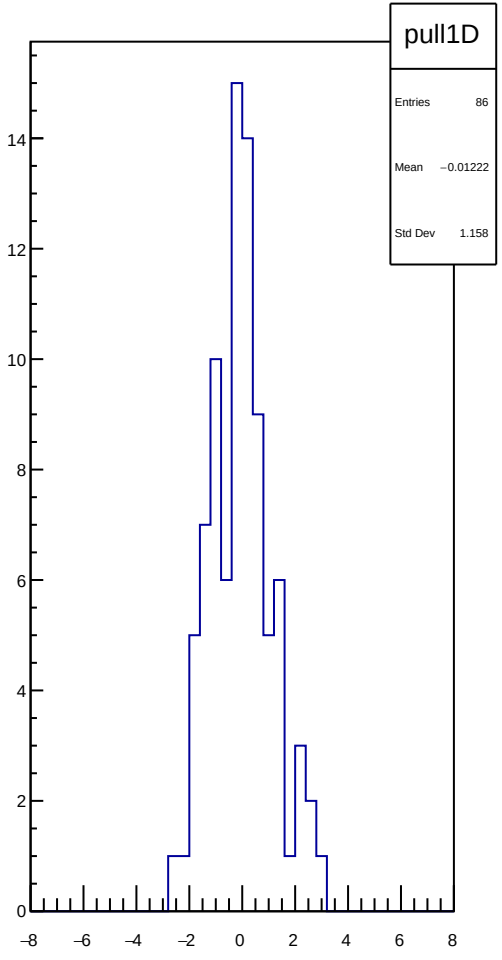
2
4
6
8

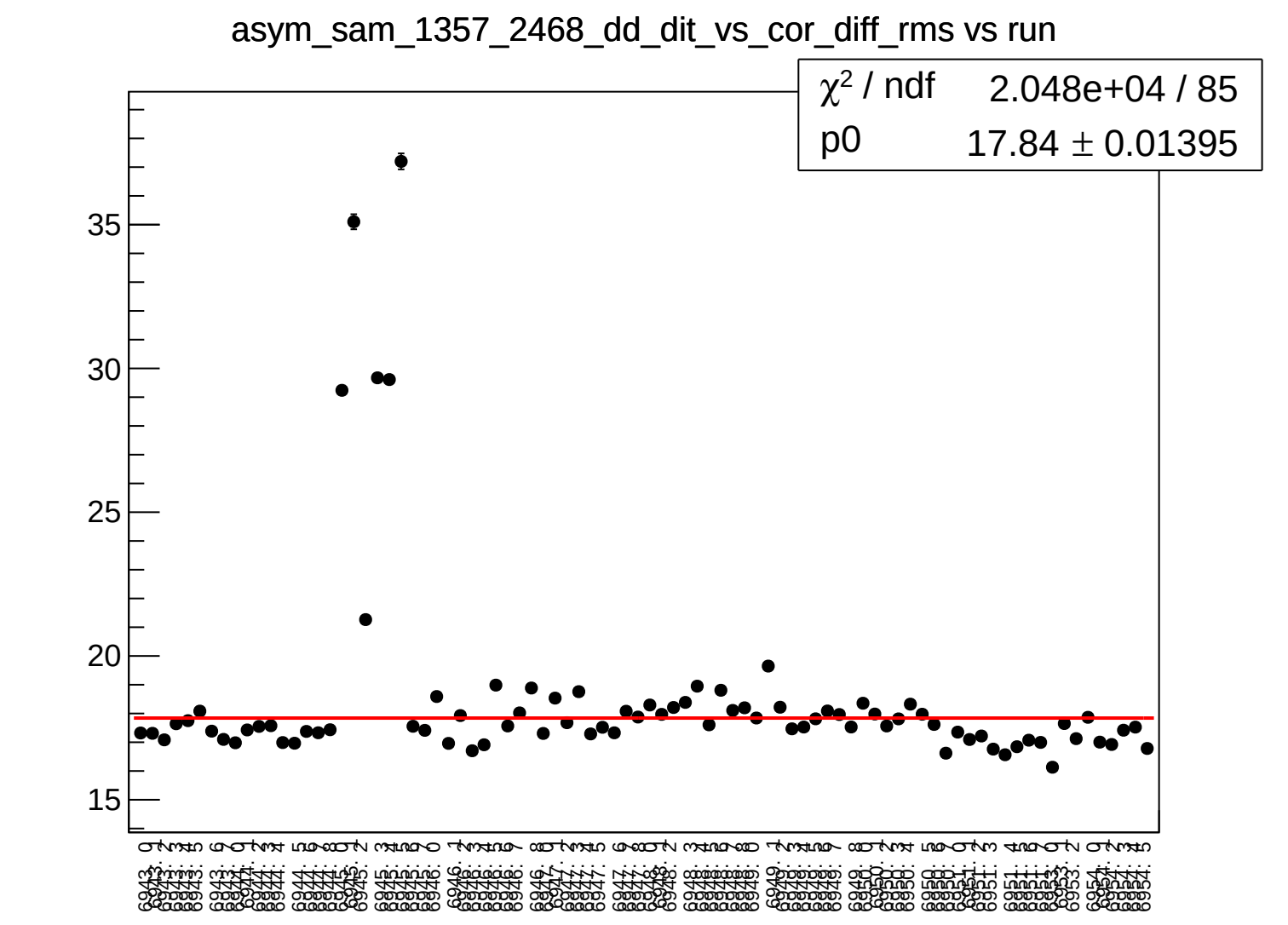

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.61e+04 / 85
p0 274.8 ± 0.2146
340
320
300
280
260
240
220

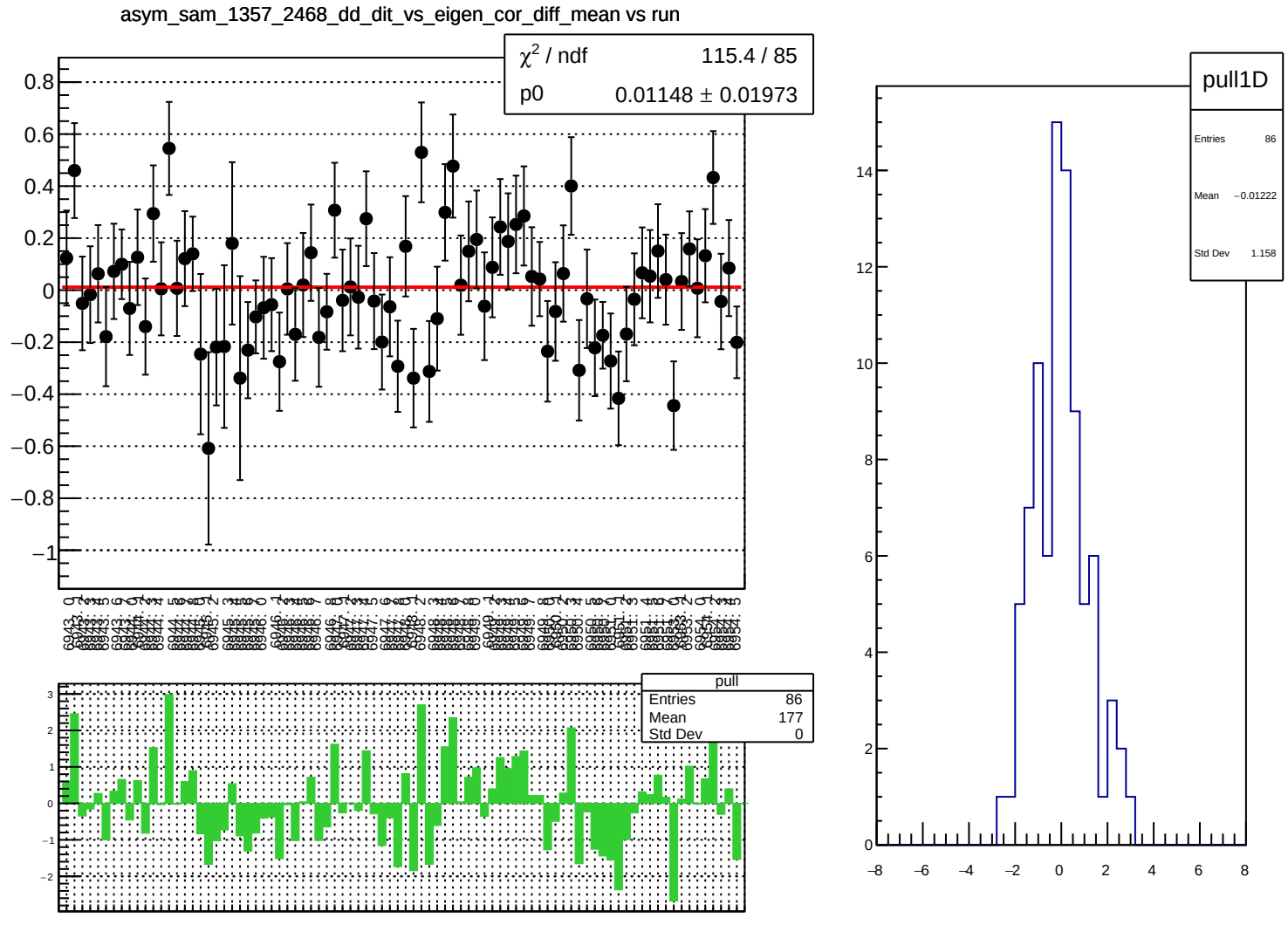

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 97.34 / 85
p0 1.308e−14 ± 1.168e−14
pull
Entries 86
Mean −53.38
Std Dev 0
pull1D
Entries 86
Mean 0.05859
Std Dev 1.062

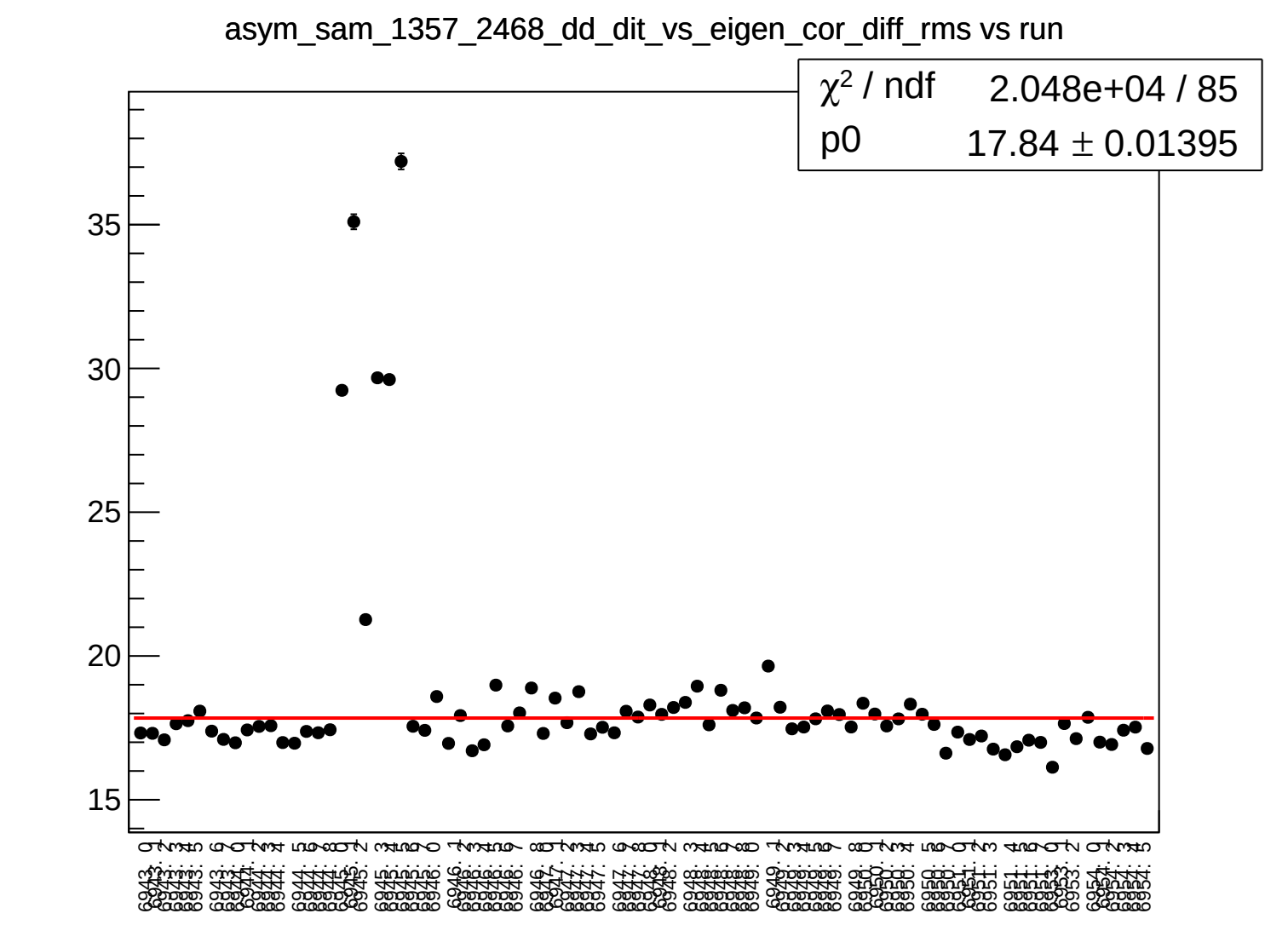

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.771e+05 / 85
p0 6.807e−12 ± 8.26e−15
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

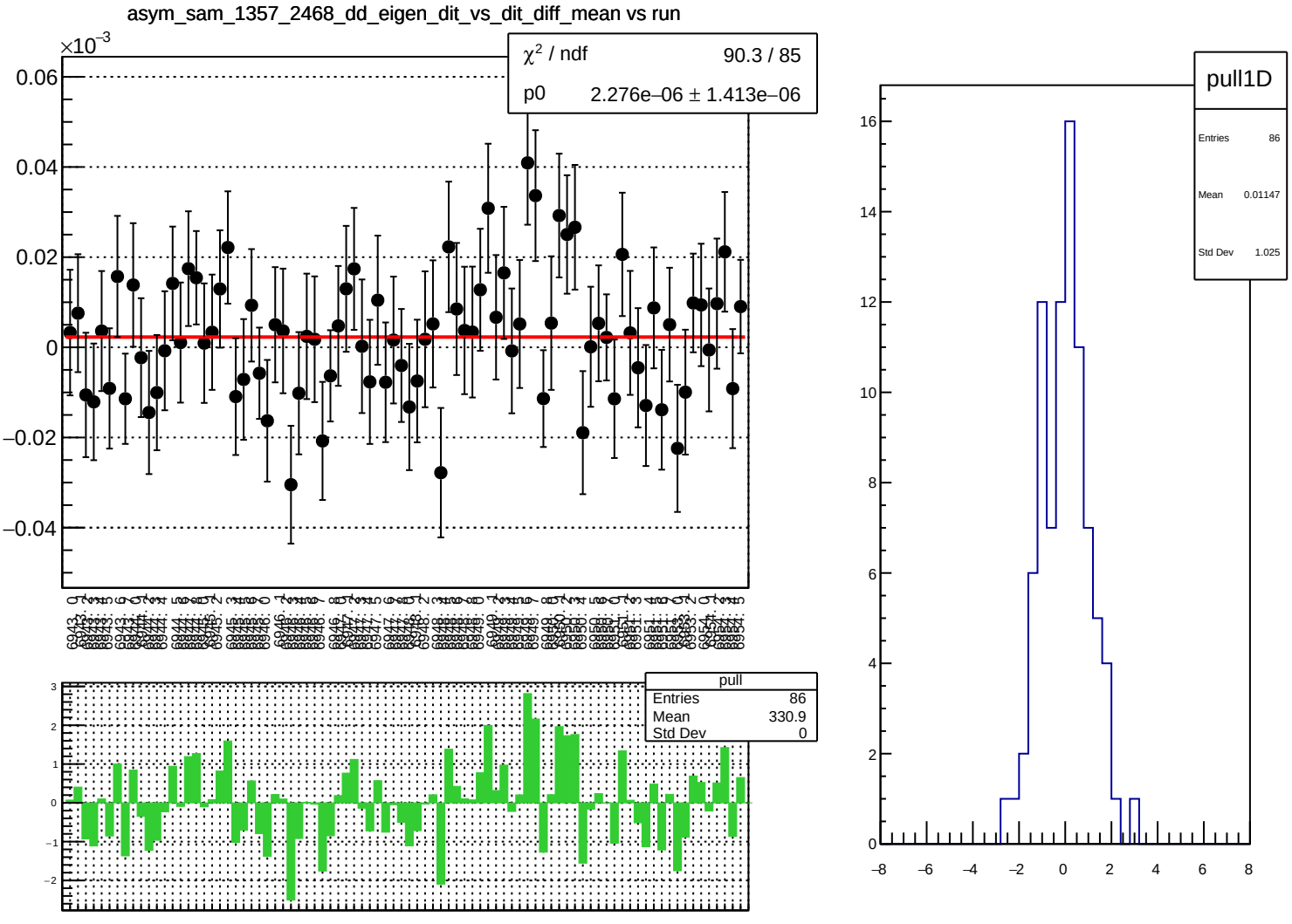

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 115.4 / 85
p0 0.01148 ± 0.01973
pull
Entries 86
Mean 177
Std Dev 0

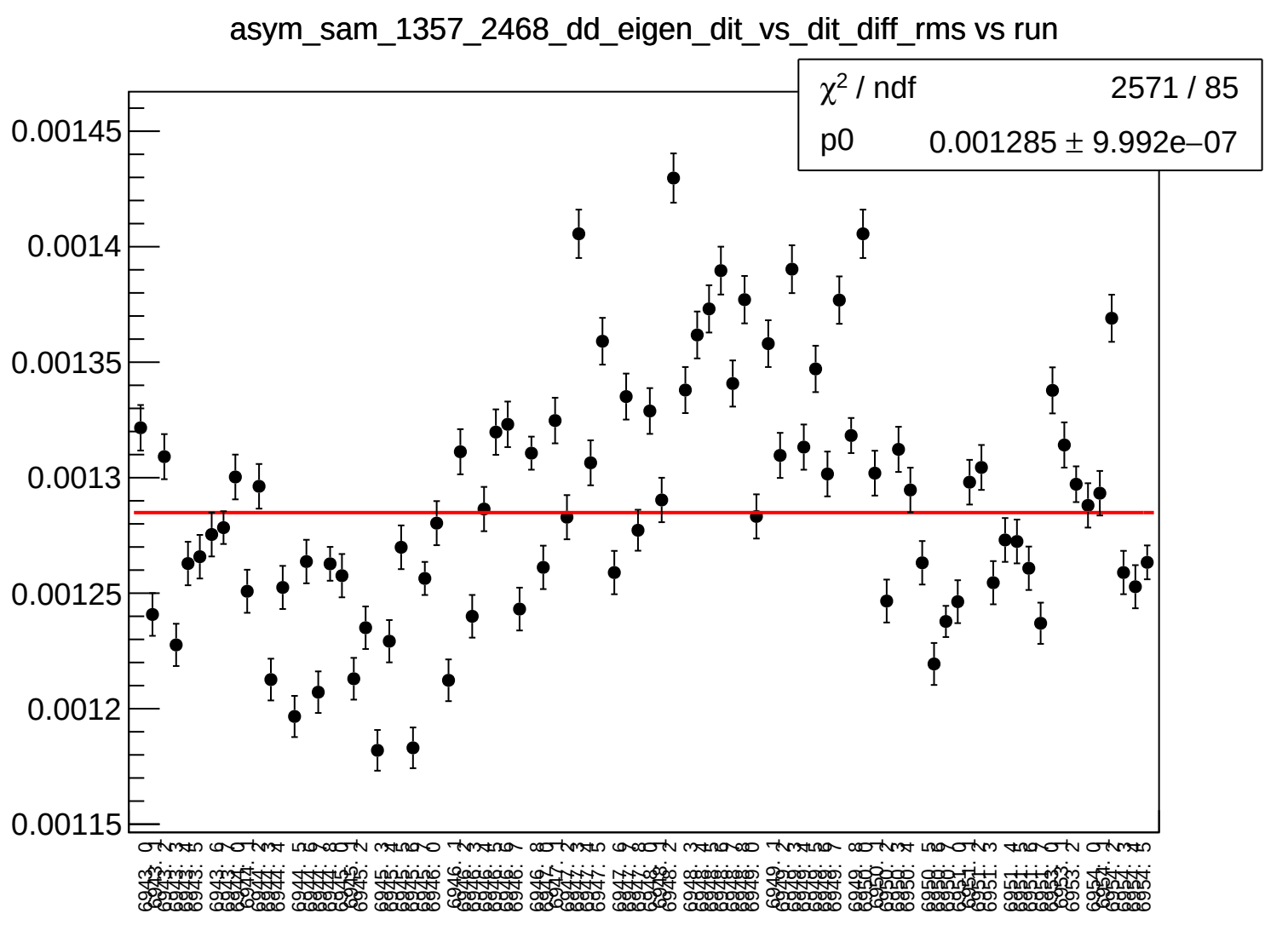

pull1D
Entries 86
Mean −0.01222
Std Dev 1.158

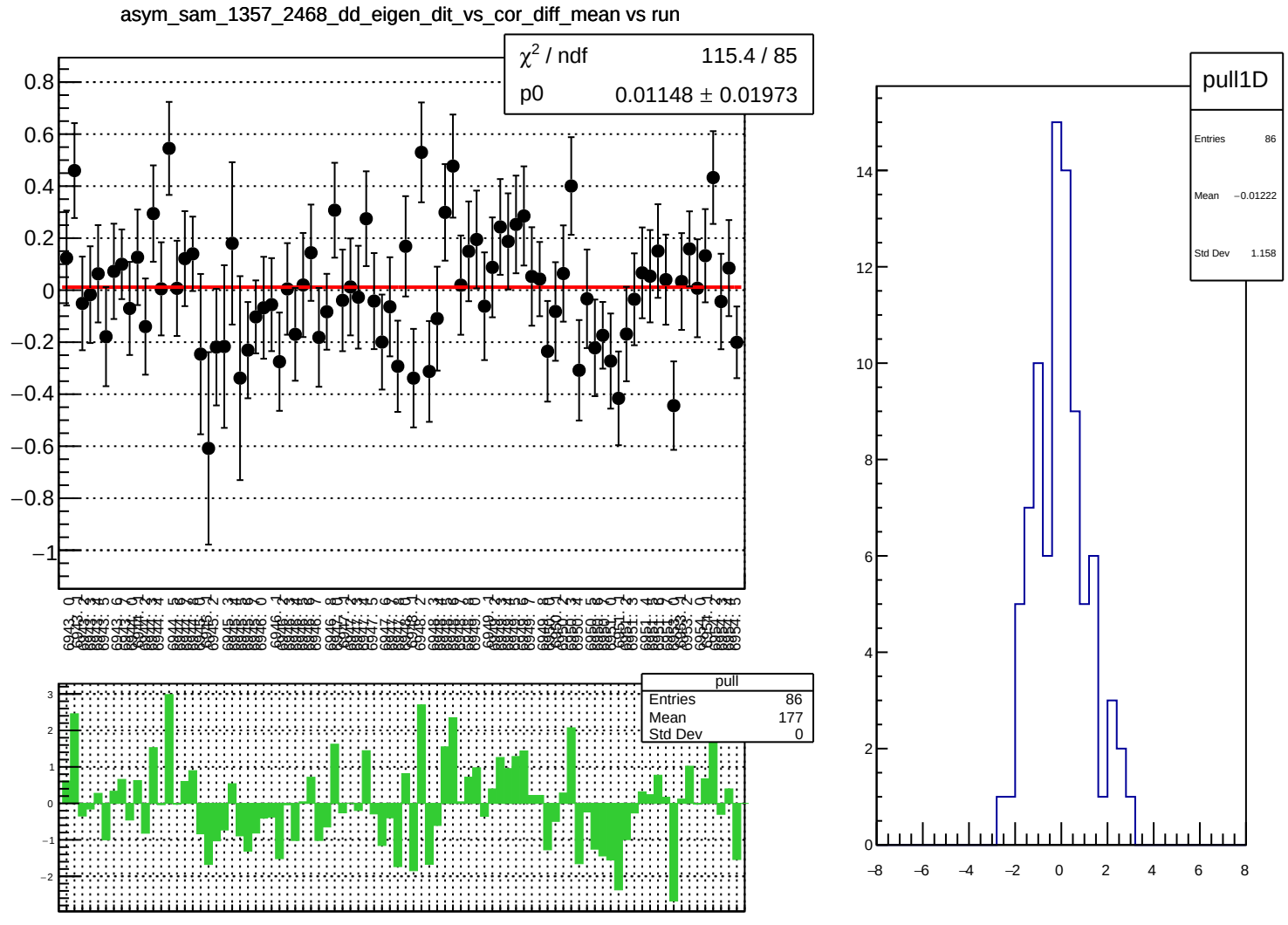

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.048e+04 / 85
p0 17.84 ± 0.01395
35
30
25
20
15

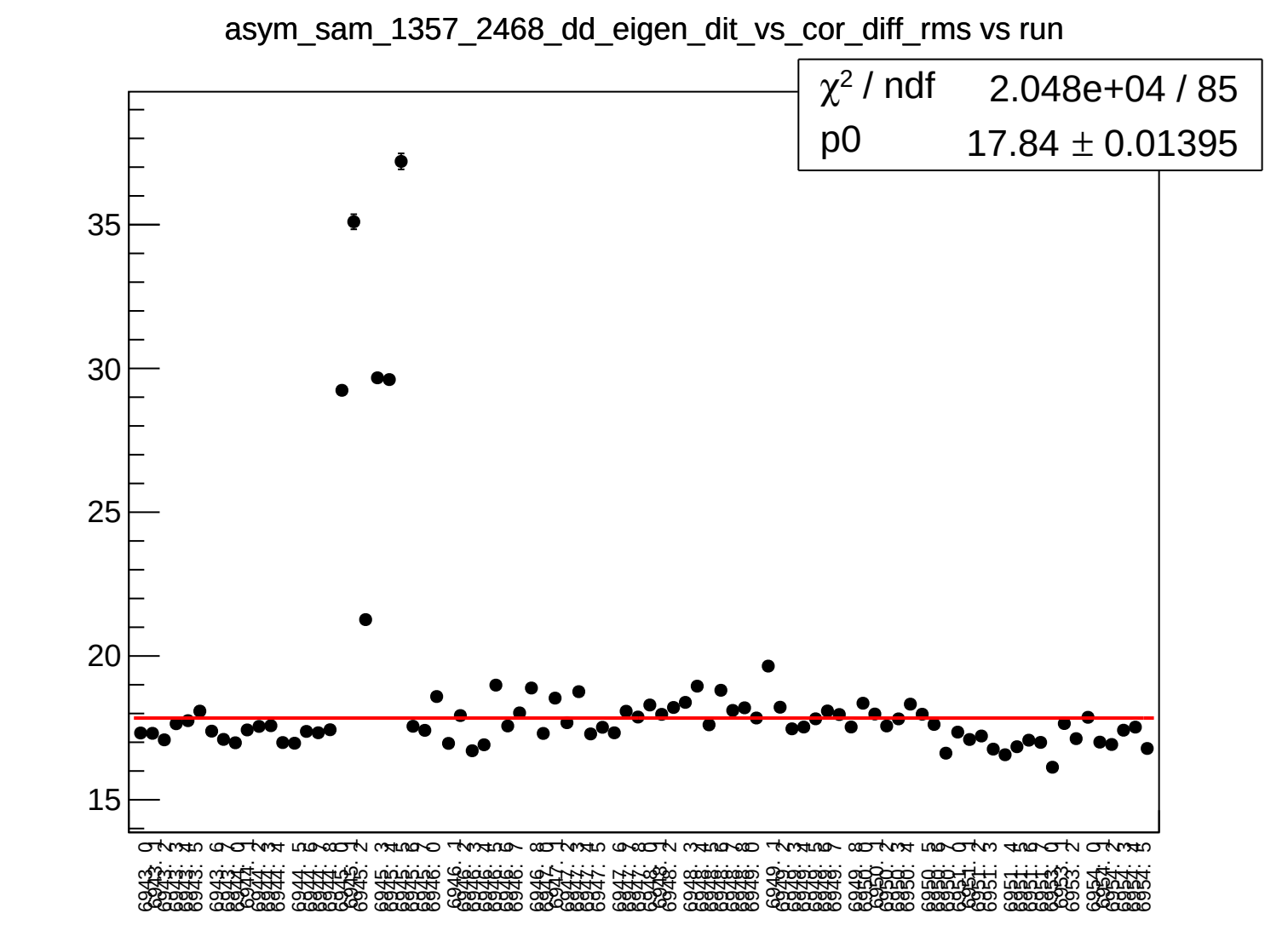

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.4 / 85
p0 0.01148 ± 0.01973
pull
Entries 86
Mean 177
Std Dev 0
pull1D
Entries 86
Mean −0.01222
Std Dev 1.158

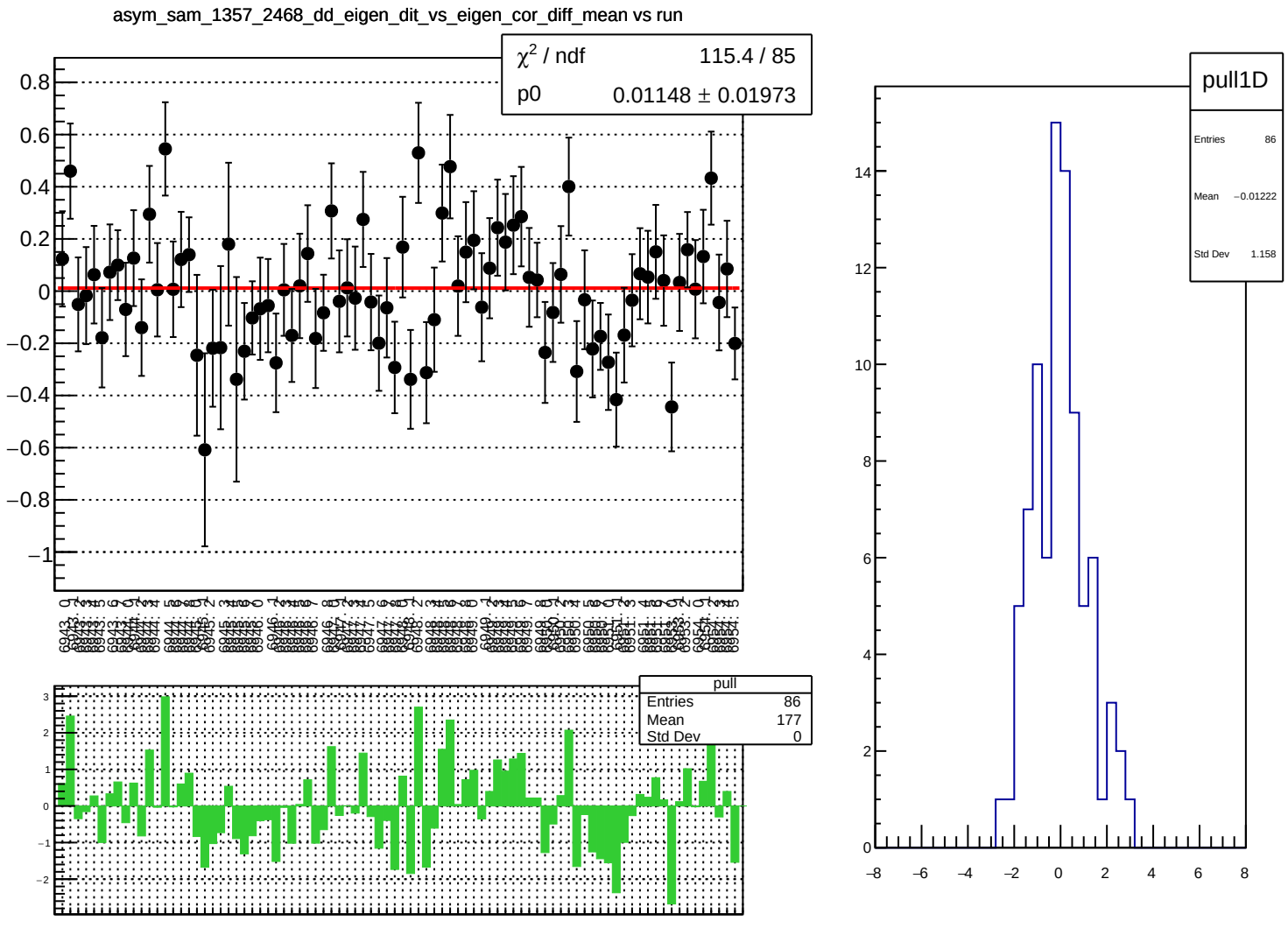

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.048e+04 / 85
p0 17.84 ± 0.01395
35
30
25
20
15

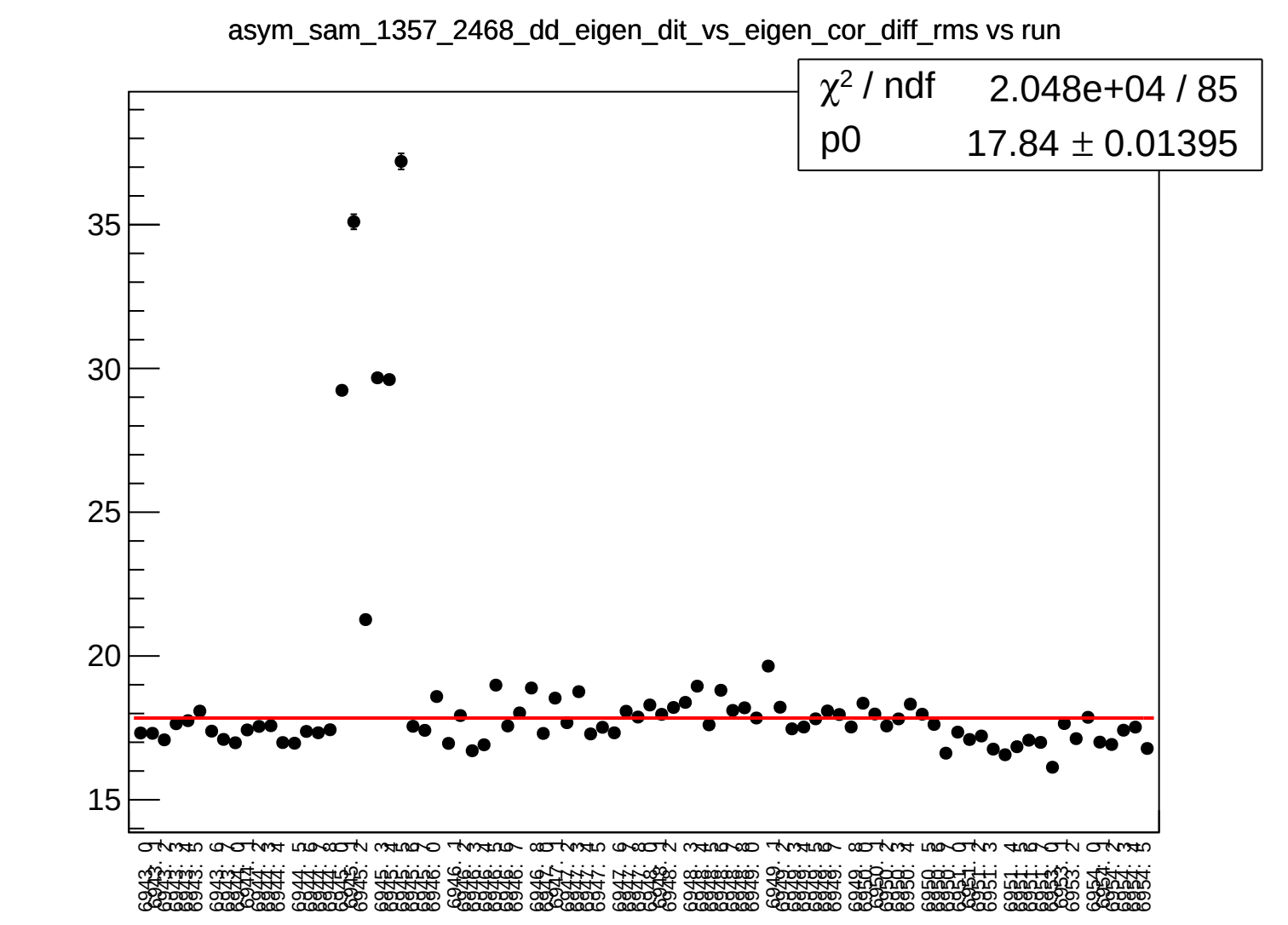

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.3 / 85
p0 2.276e−06 ± 1.413e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 86
Mean 330.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01147
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

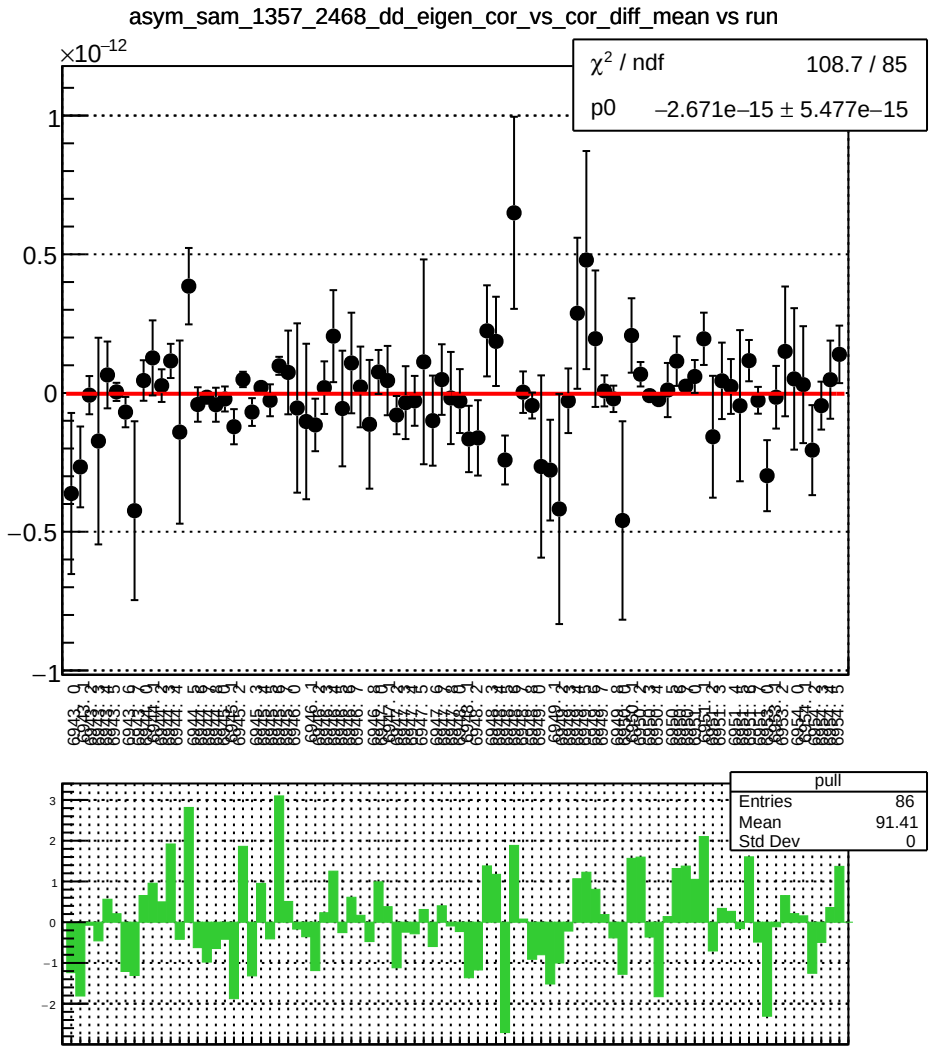

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2571 / 85
p0 0.001285 ± 9.992e−07
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

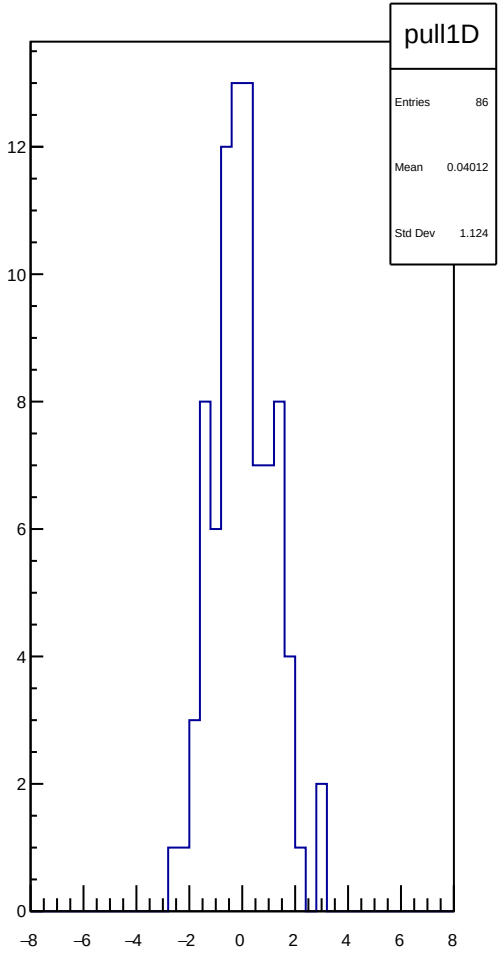

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 115.4 / 85
p0 0.01148 ± 0.01973
pull
Entries 86
Mean 177
Std Dev 0
pull1D
Entries 86
Mean −0.01222
Std Dev 1.158

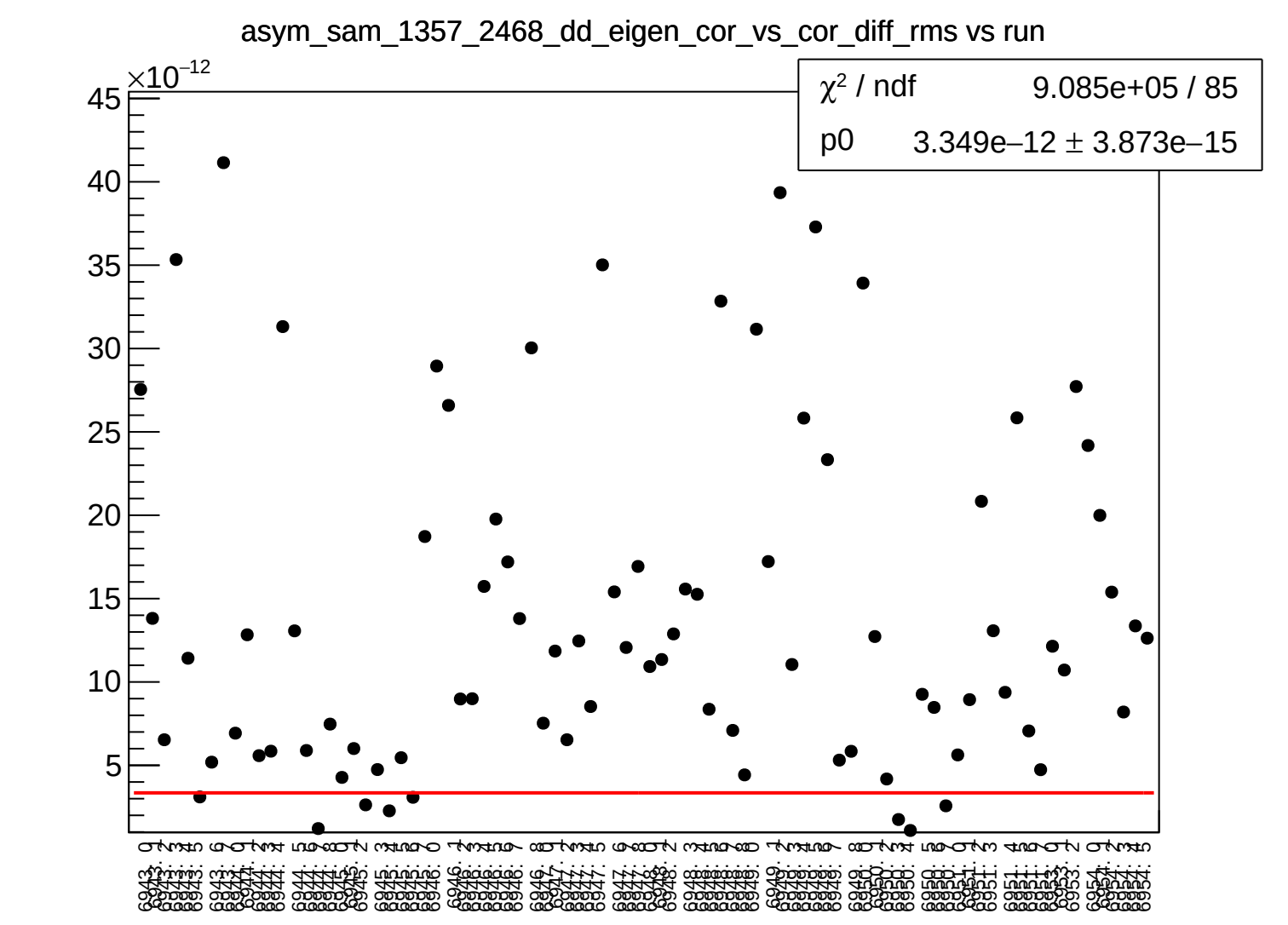

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.048e+04 / 85
p0 17.84 ± 0.01395
35
30
25
20
15

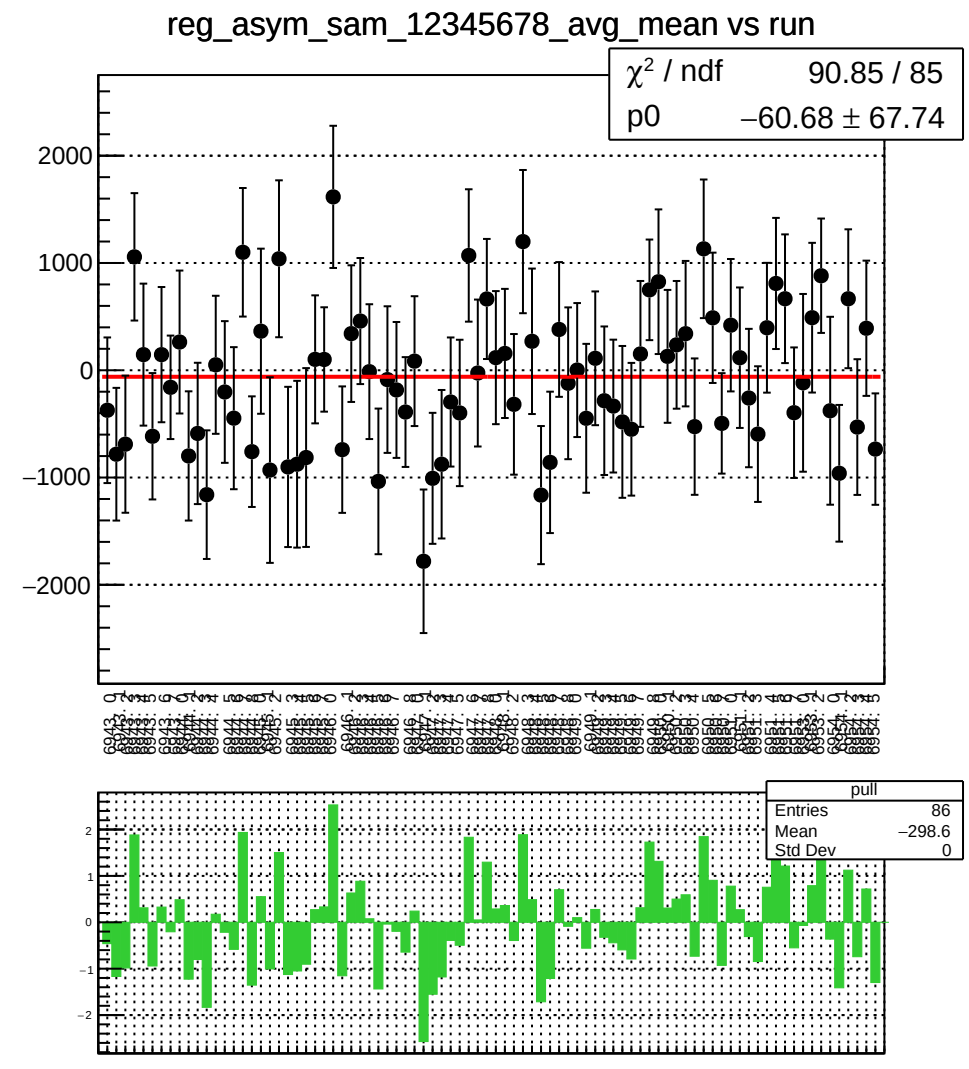

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 115.4 / 85
p0 0.01148 ± 0.01973
pull
Entries 86
Mean 177
Std Dev 0
pull1D
Entries 86
Mean −0.01222
Std Dev 1.158

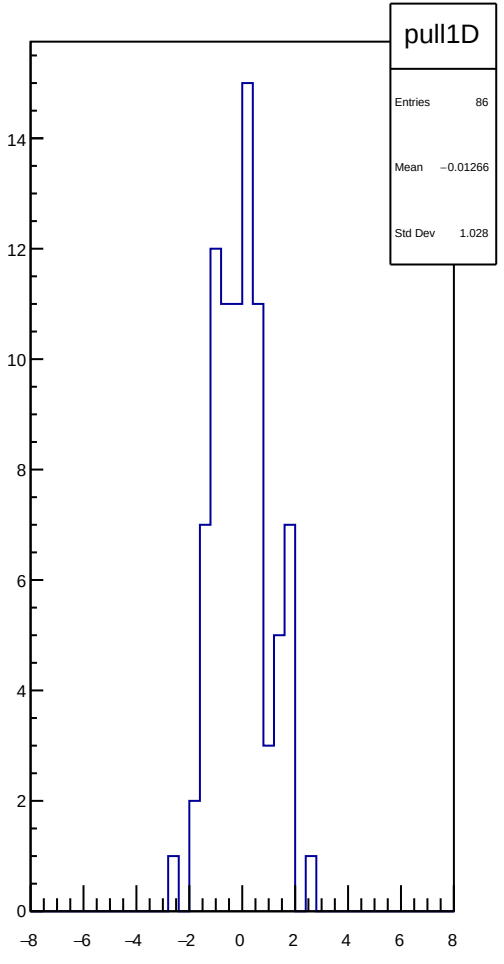

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.048e+04 / 85
p0 17.84 ± 0.01395
35
30
25
20
15

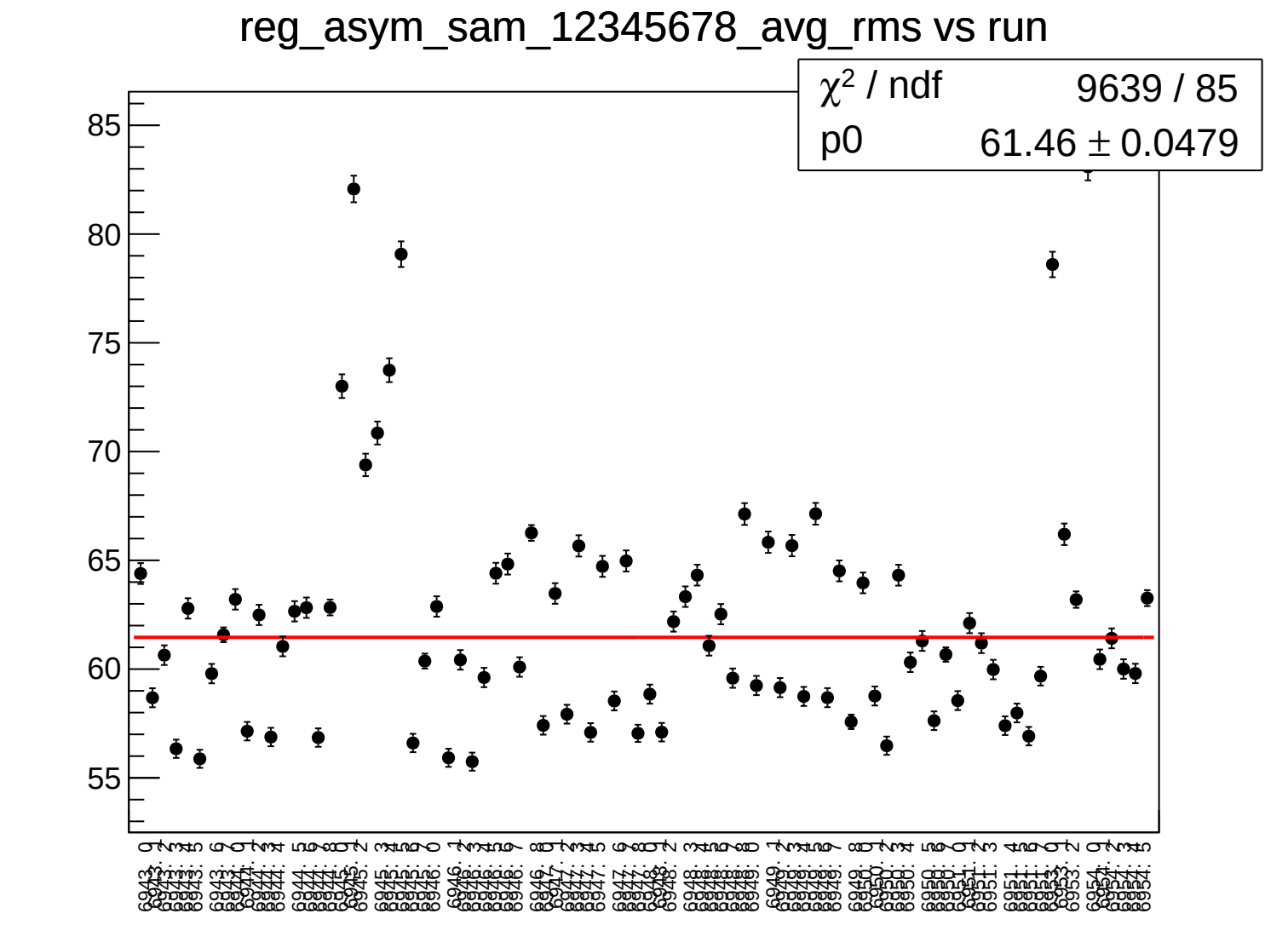

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 108.7 / 85
p0 −2.671e−15 ± 5.477e−15
pull
Entries 86
Mean 91.41
Std Dev 0

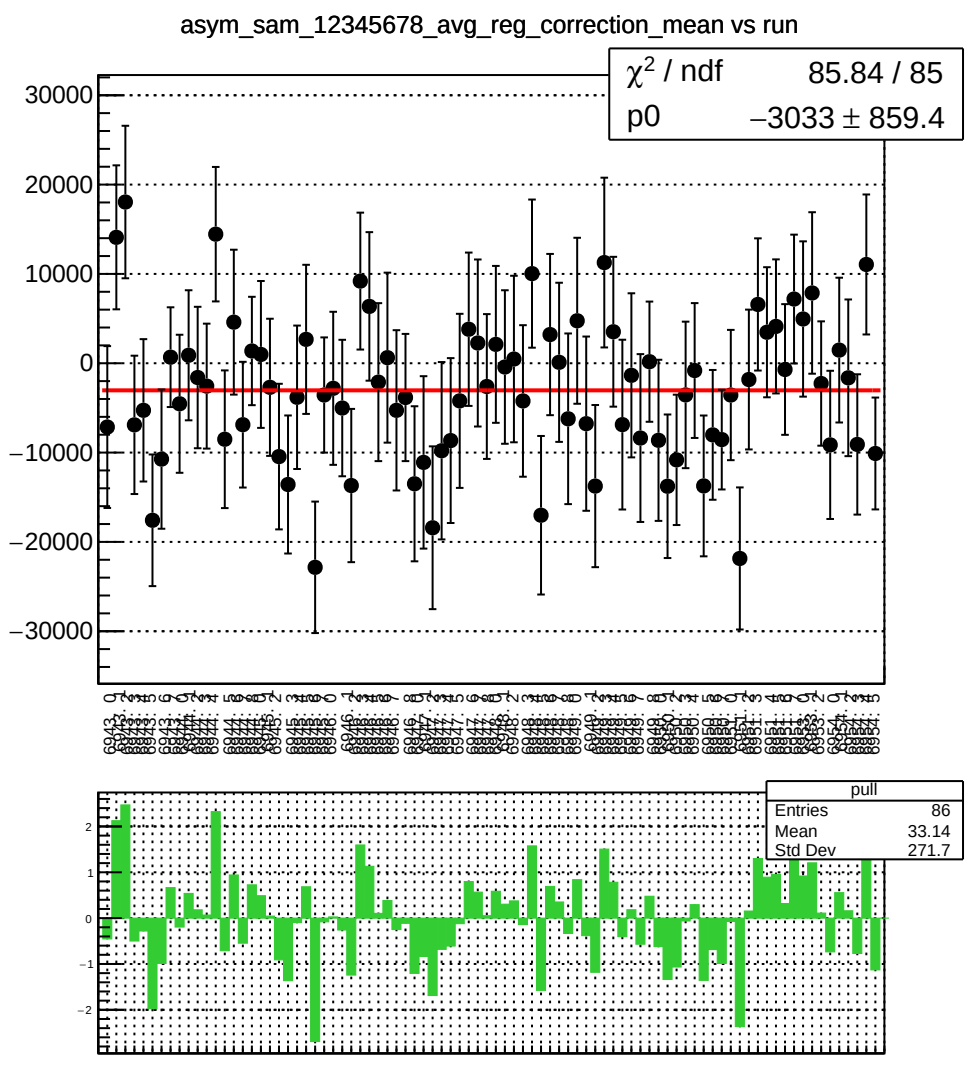

pull1D
Entries 86
Mean 0.04012
Std Dev 1.124

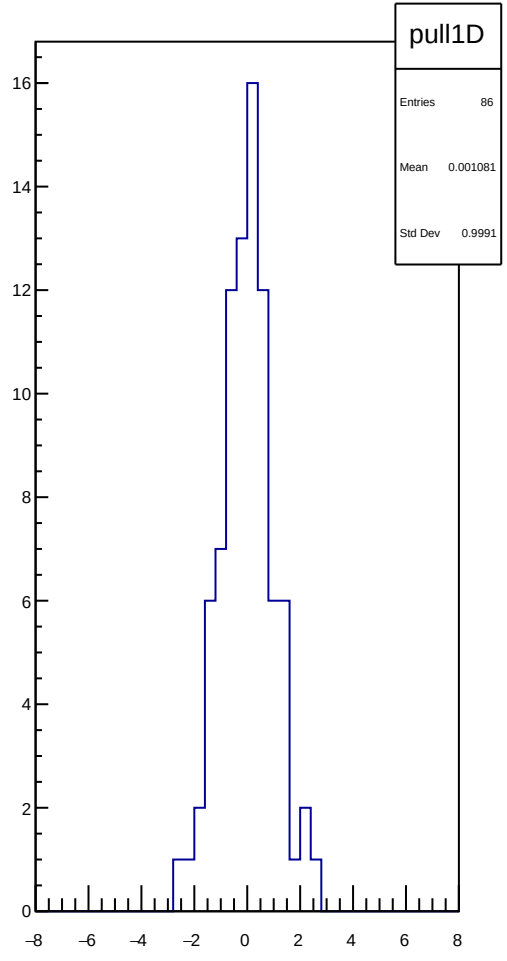

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 9.085e+05 / 85
p0 3.349e−12 ± 3.873e−15
45
40
35
30
25
20
15
10
5

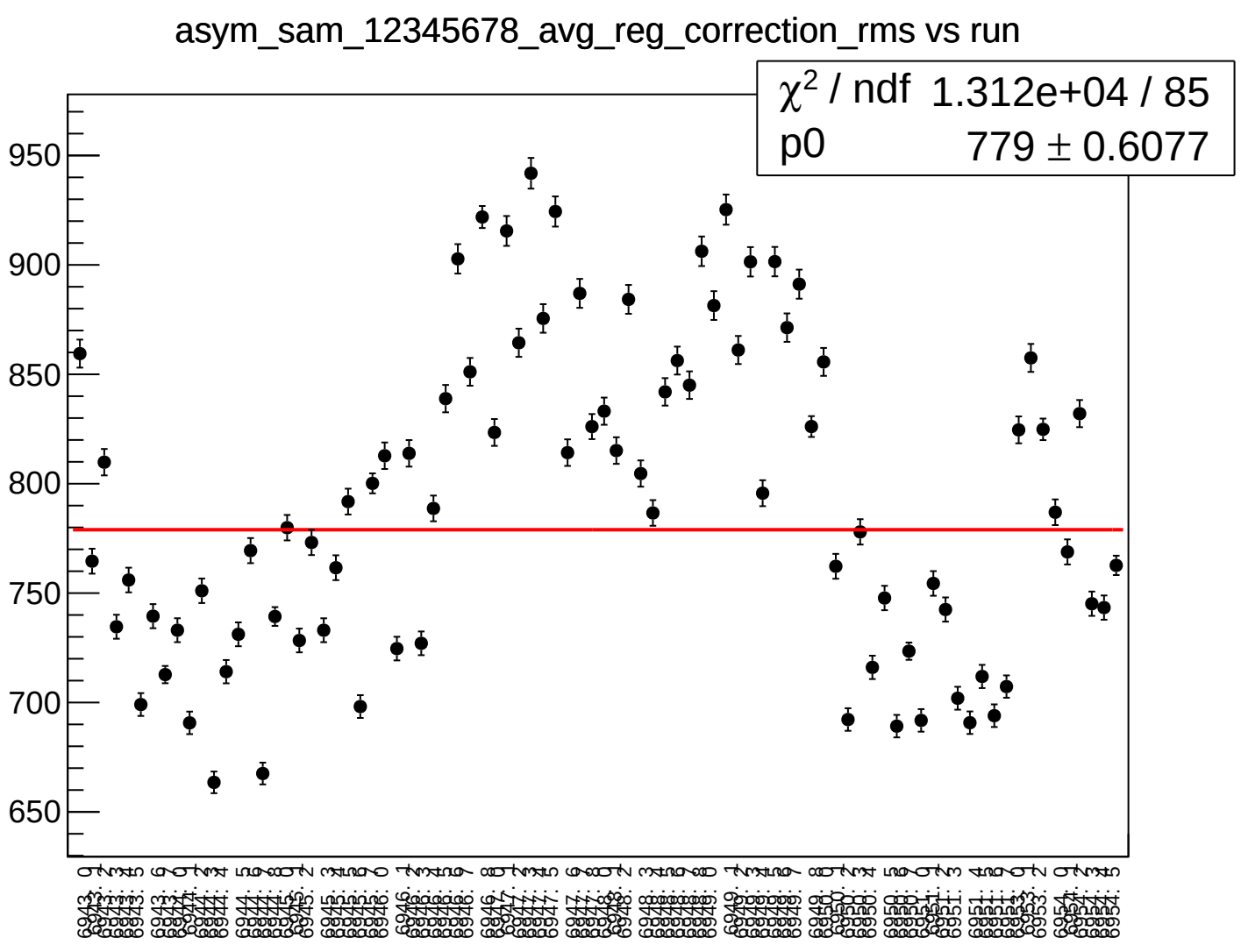

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 90.85 / 85
p0 −60.68 ± 67.74
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −298.6
Std Dev 0
2
1
0
−1
−2

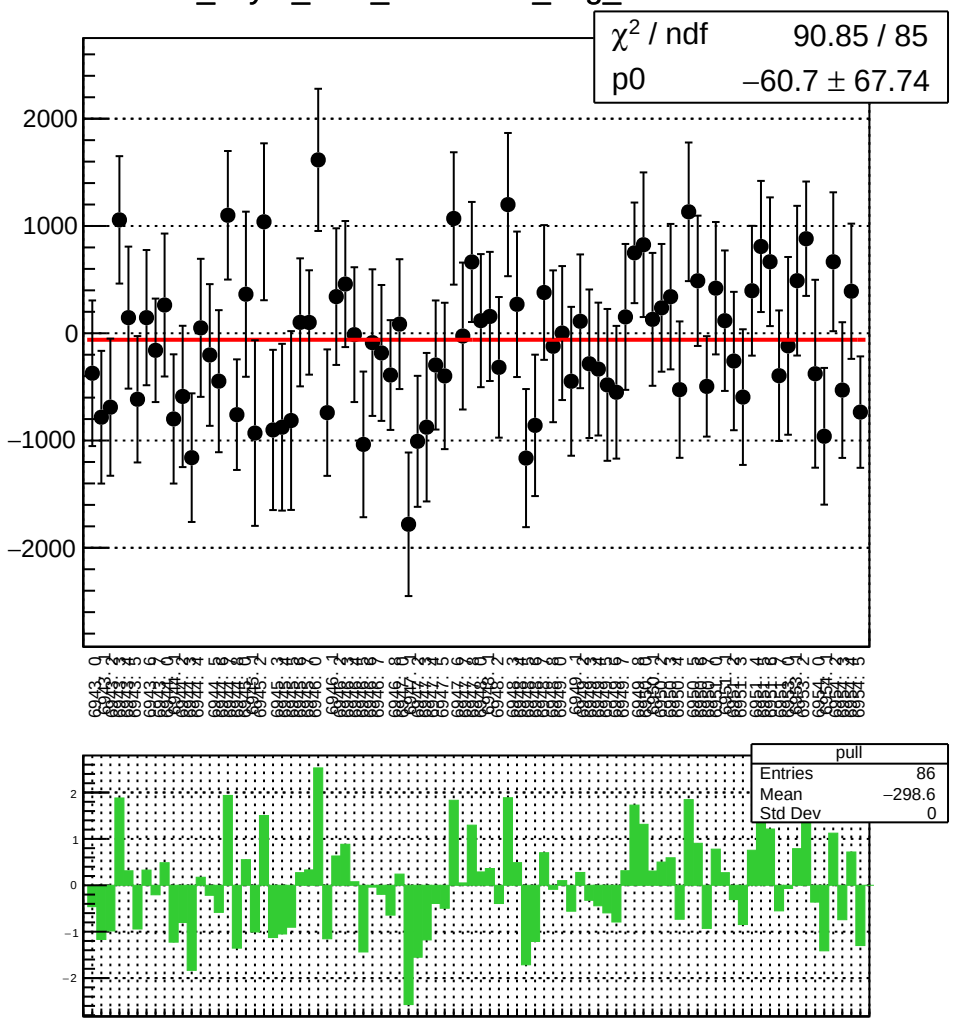

pull1D
Entries 86
Mean −0.01266
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

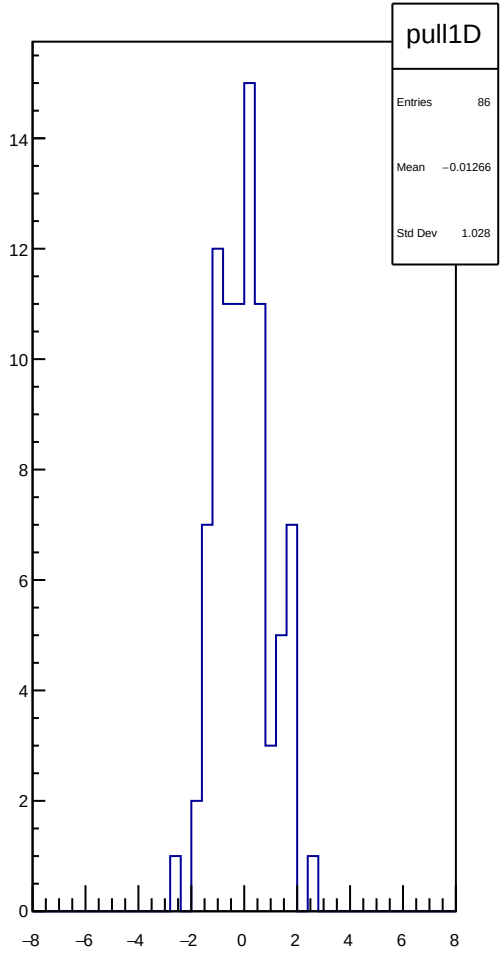

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 9639 / 85
p0 61.46 ± 0.0479
85
80
75
70
65
60
55

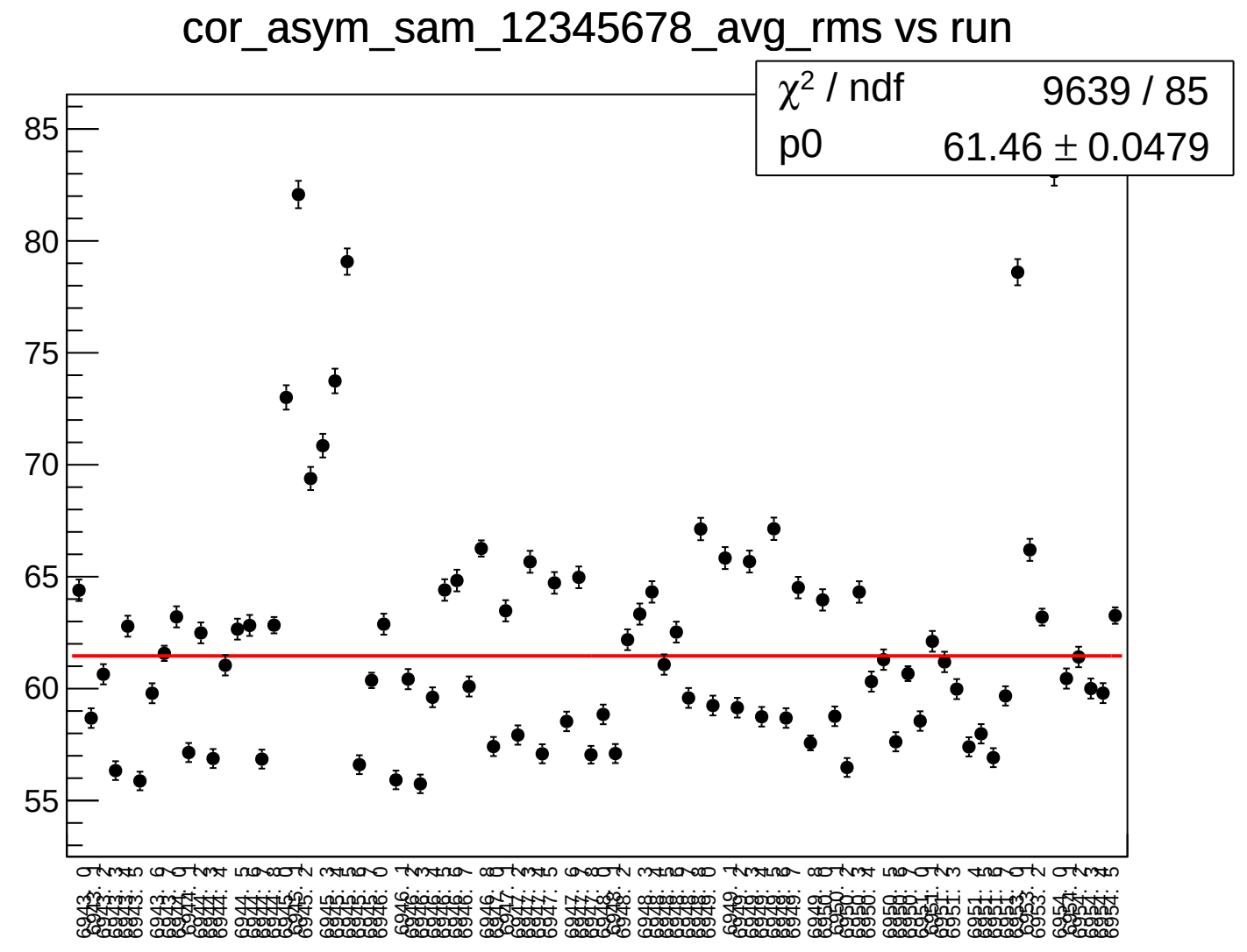

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 85.84 / 85
p0 −3033 ± 859.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 33.14
Std Dev 271.7
2
1
0
−1
−2

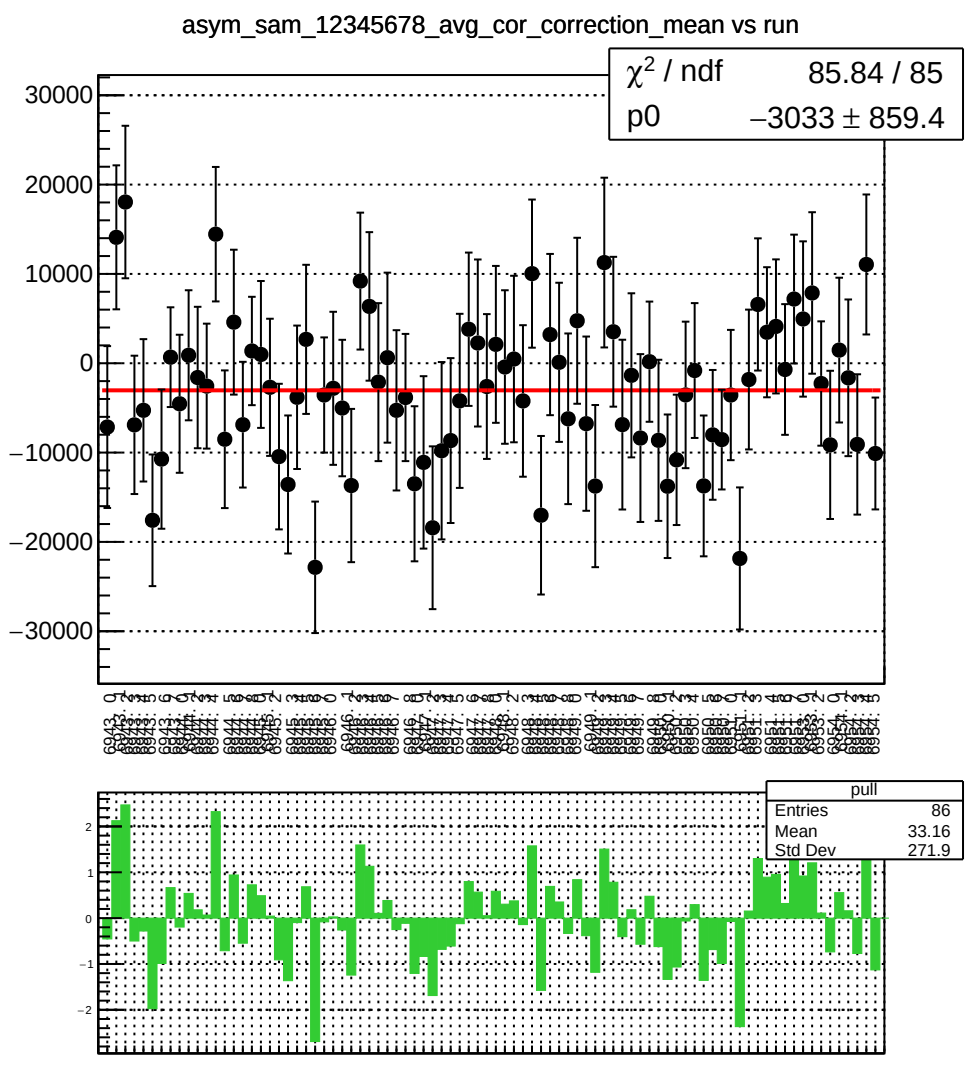

pull1D
Entries 86
Mean 0.001081
Std Dev 0.9991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

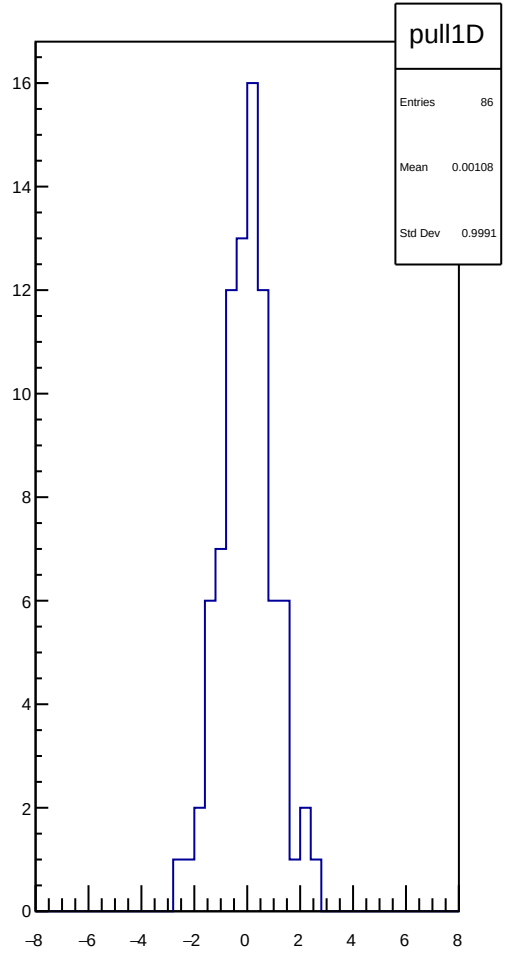

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1.312e+04 / 85
p0 779 ± 0.6077
950
900
850
800
750
700
650

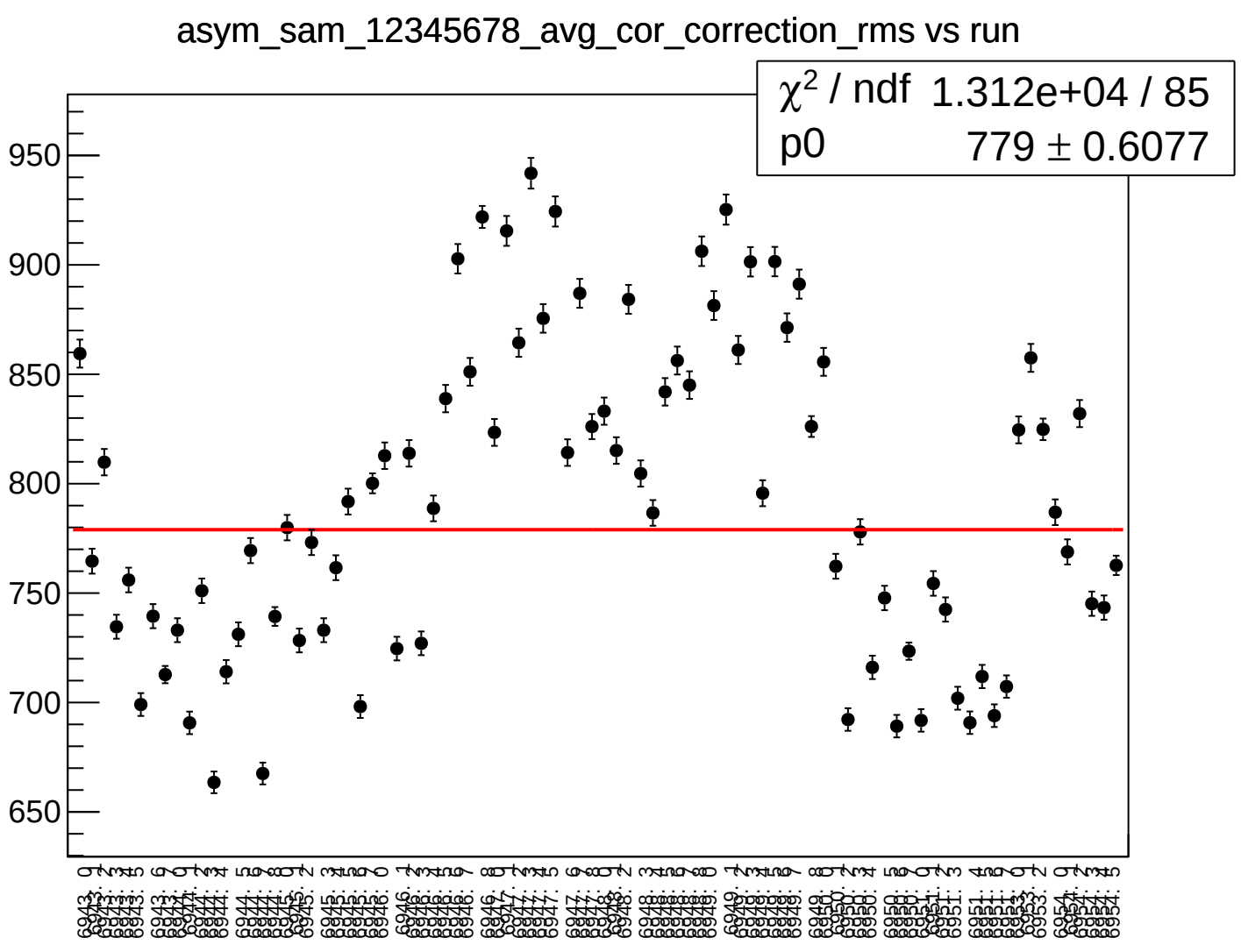

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 90.85 / 85
p0 −60.7 ± 67.74
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −298.6
Std Dev 0
2
1
0
−1
−2

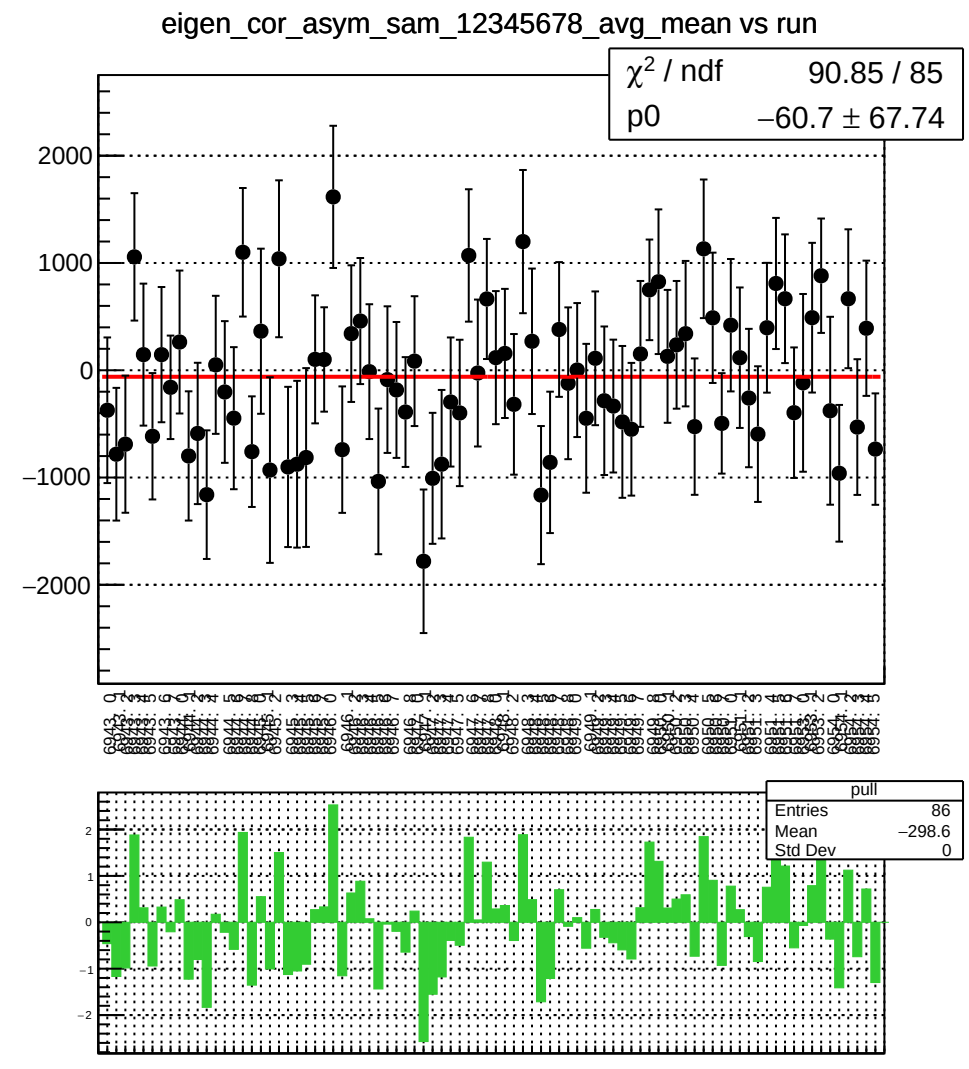

pull1D
Entries 86
Mean −0.01266
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

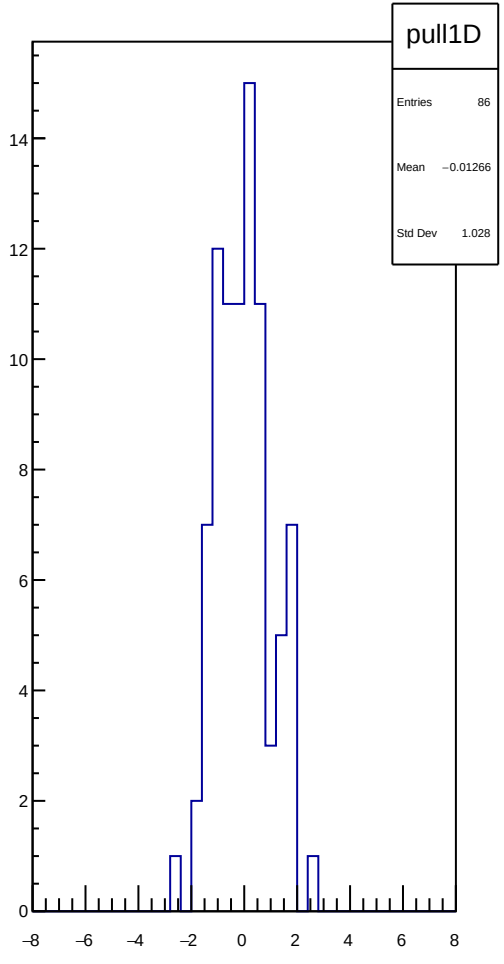

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 9639 / 85
p0 61.46 ± 0.0479
85
80
75
70
65
60
55

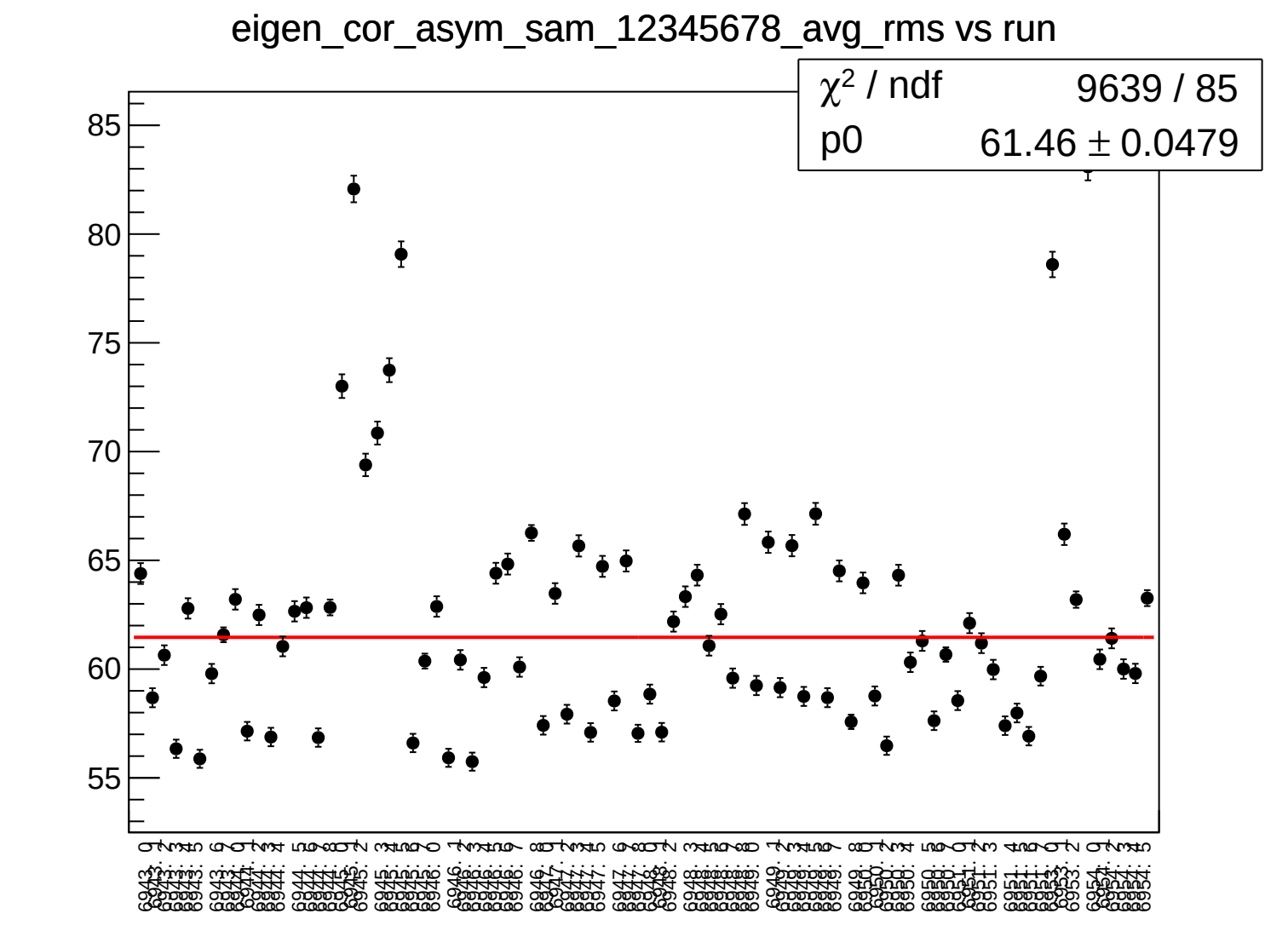

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 85.84 / 85
p0 −3033 ± 859.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 33.16
Std Dev 271.9
2
1
0
−1
−2

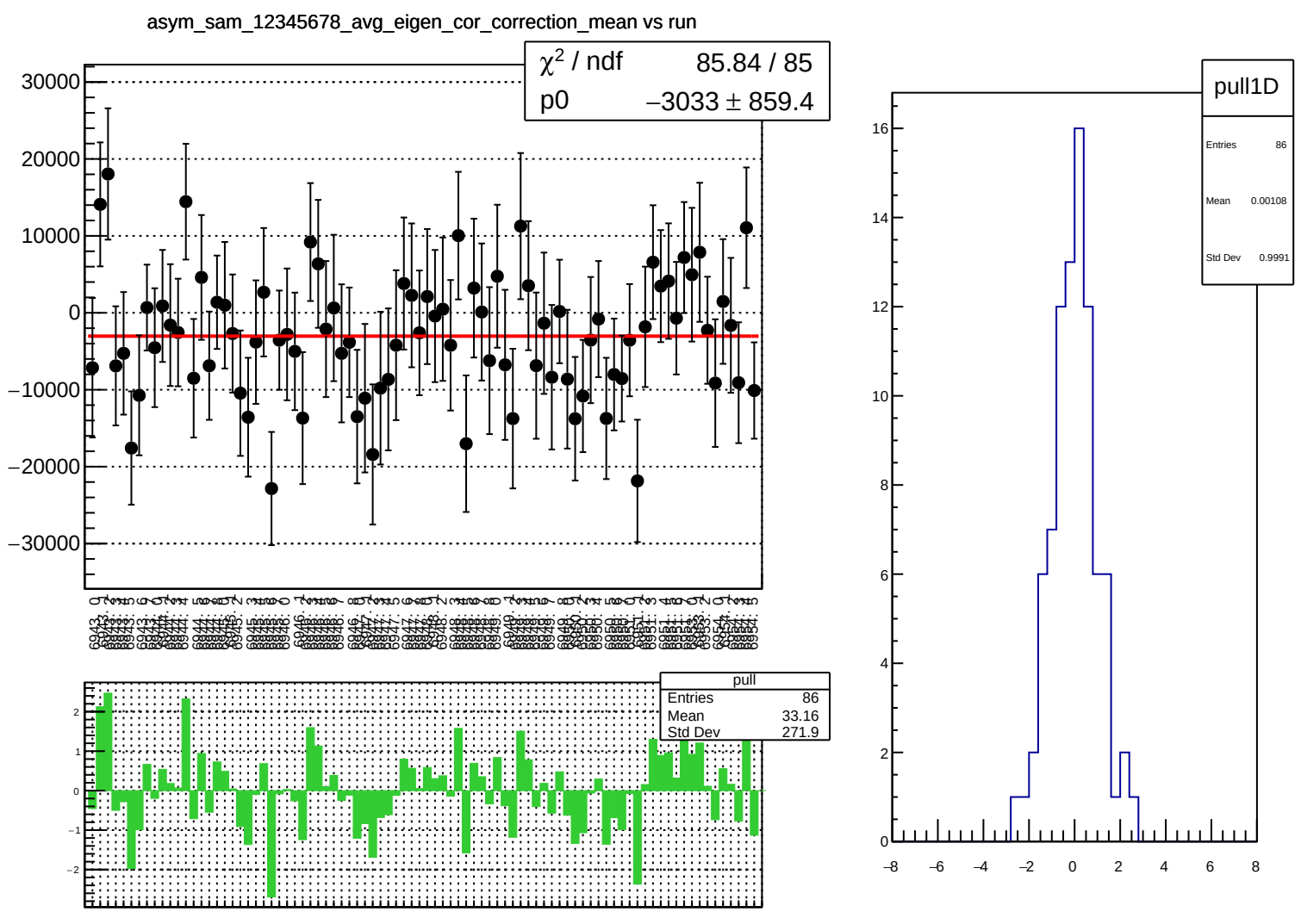

pull1D
Entries 86
Mean 0.00108
Std Dev 0.9991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

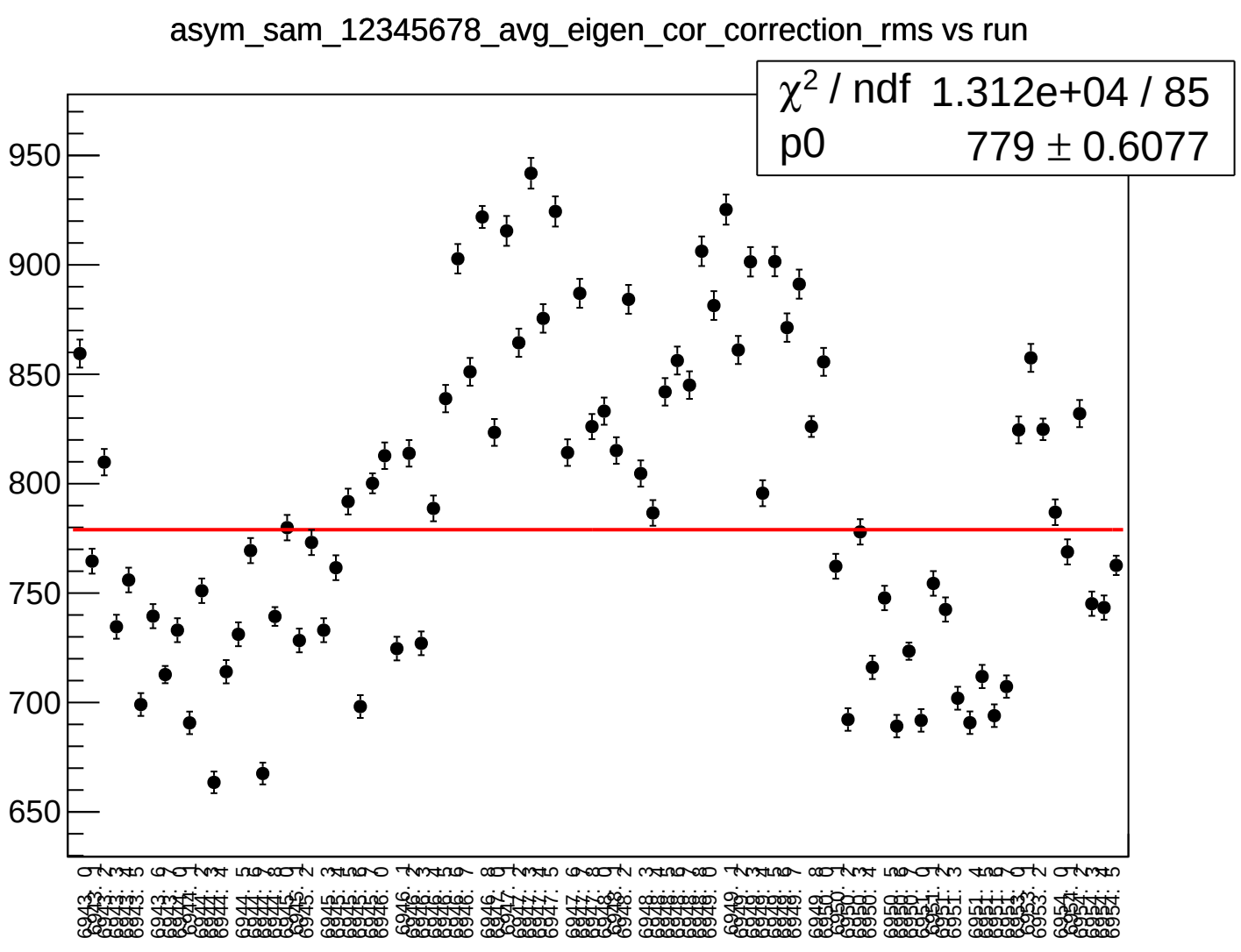

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1.312e+04 / 85
p0 779 ± 0.6077
950
900
850
800
750
700
650

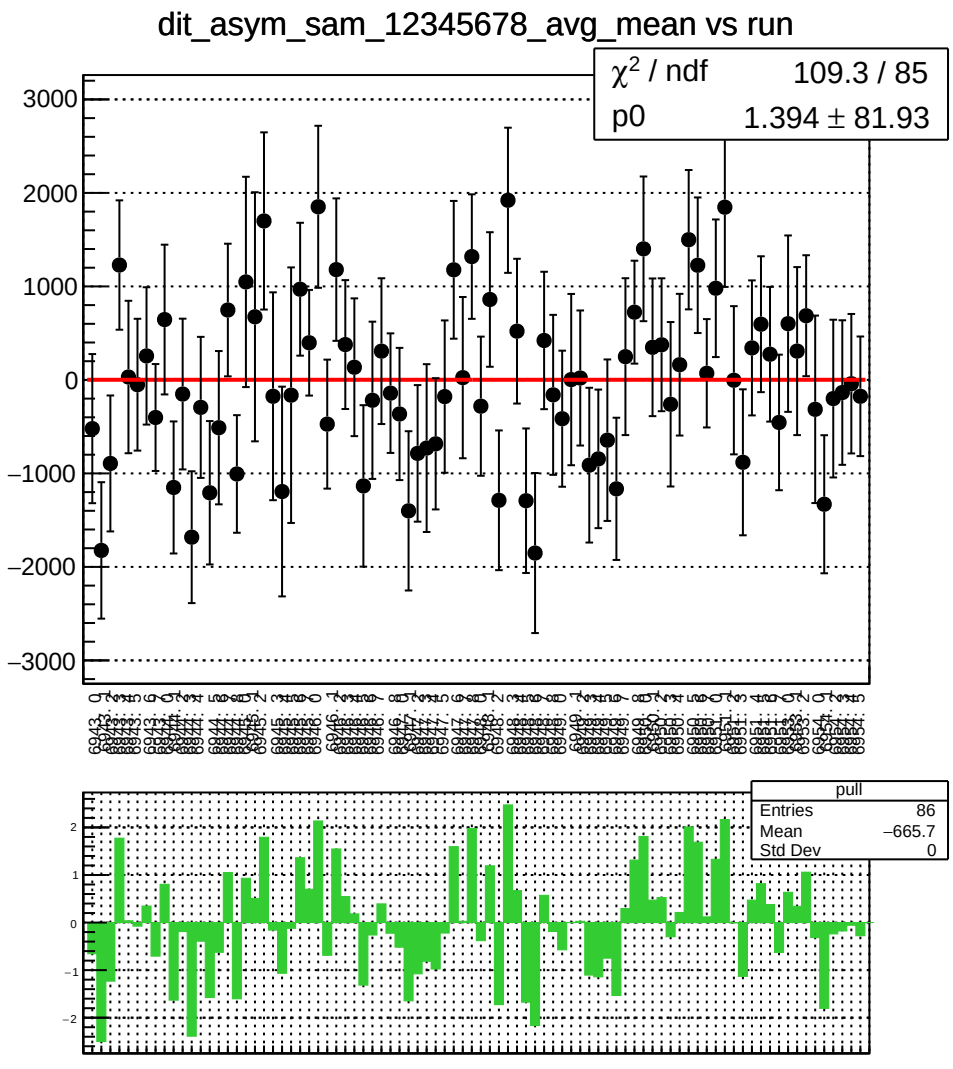

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 90.85 / 85
p0 −60.7 ± 67.74
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −298.6
Std Dev 0
2
1
0
−1
−2

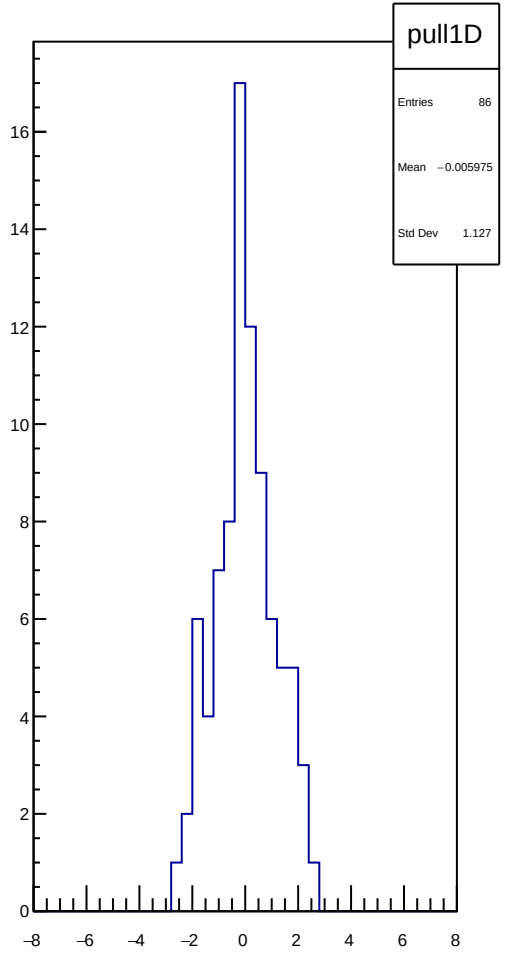

pull1D
Entries 86
Mean −0.01266
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

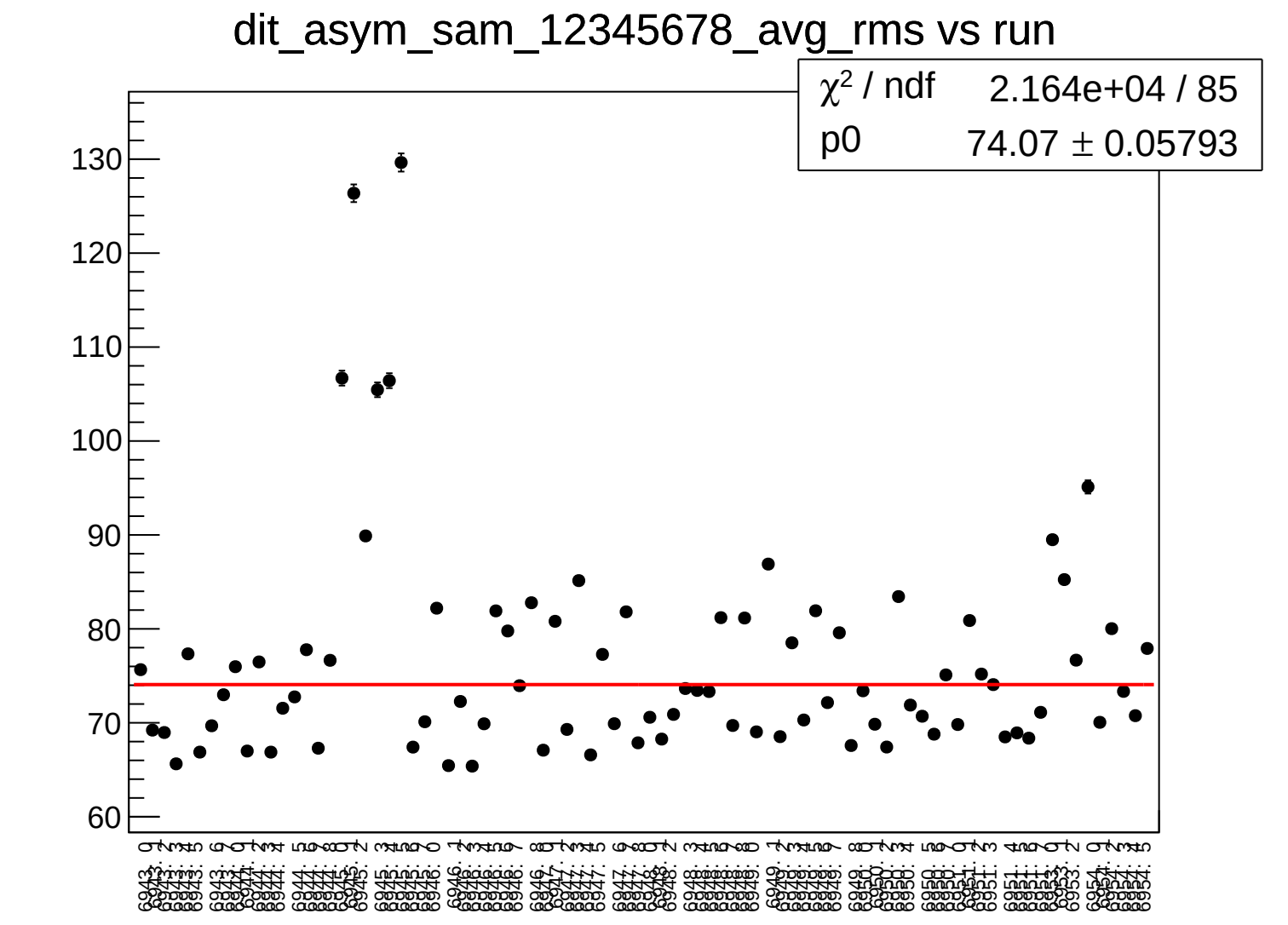

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 9639 / 85
p0 61.46 ± 0.0479
85
80
75
70
65
60
55

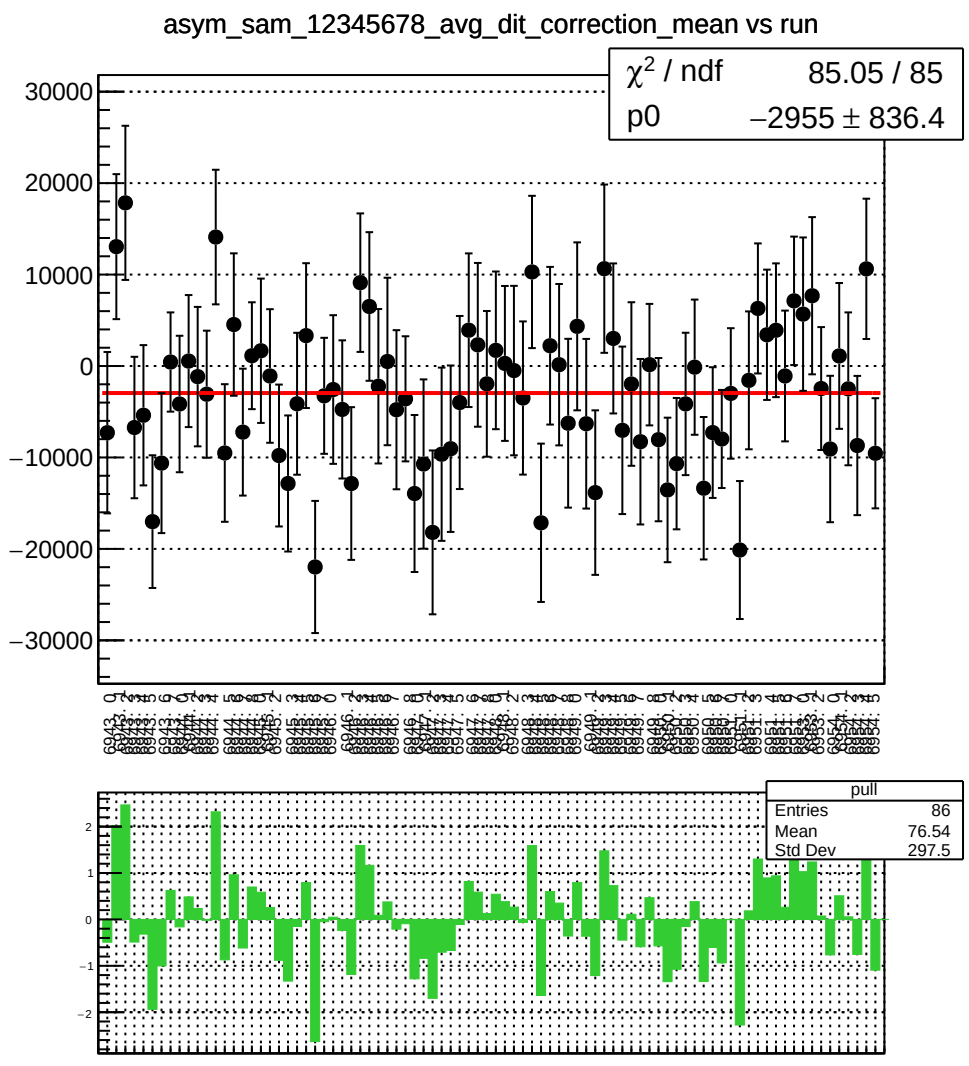

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.84 / 85
p0 −3033 ± 859.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 33.16
Std Dev 271.9
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.00108
Std Dev 0.9991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

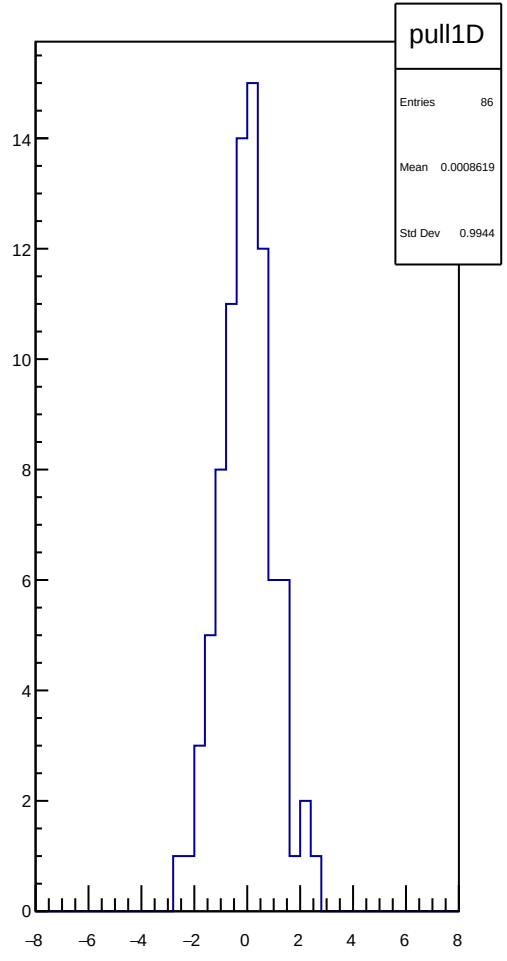

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.312e+04 / 85
p0 779 ± 0.6077
950
900
850
800
750
700
650

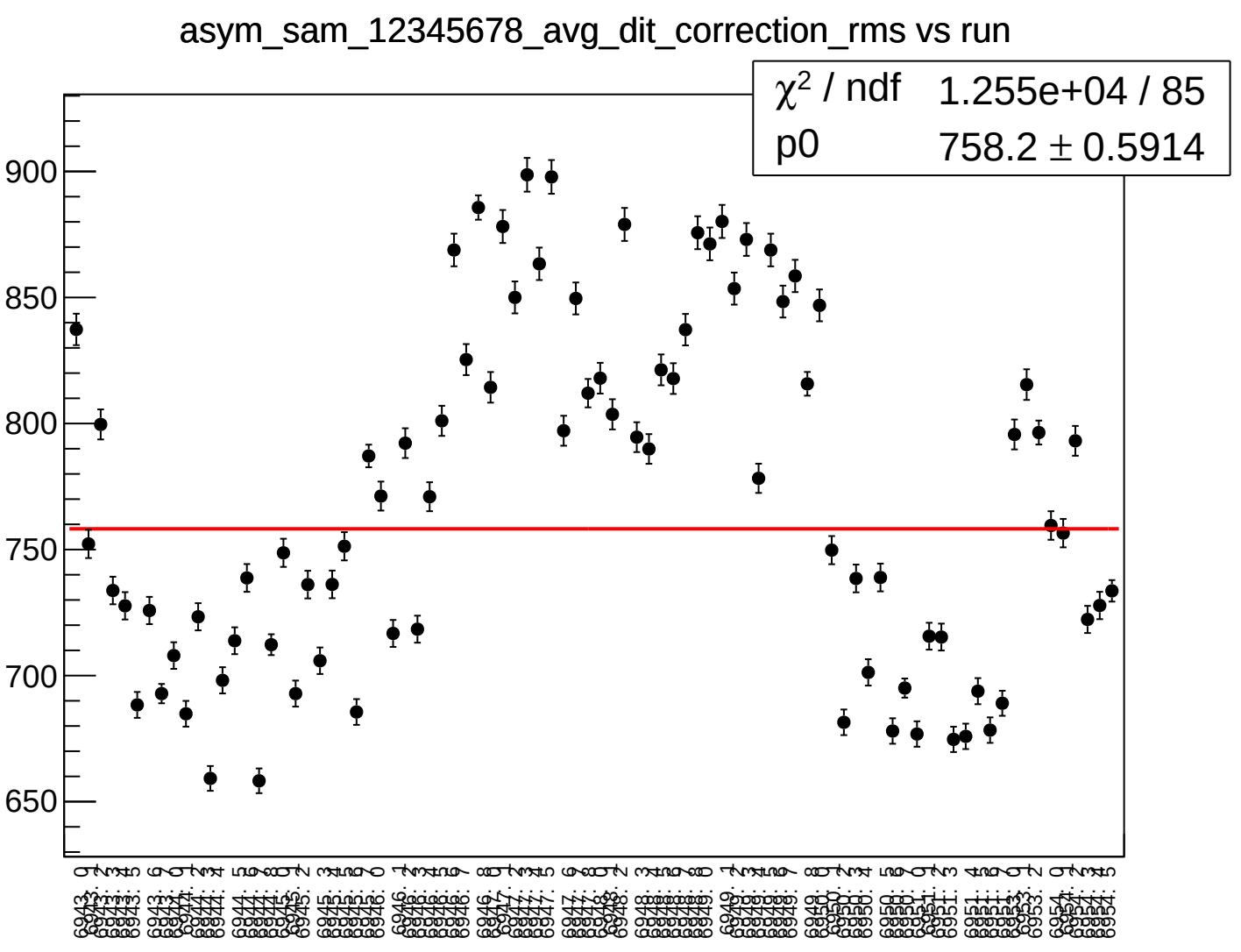

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 109.3 / 85
p0 1.394 ± 81.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −665.7
Std Dev 0
2
1
0
−1
−2

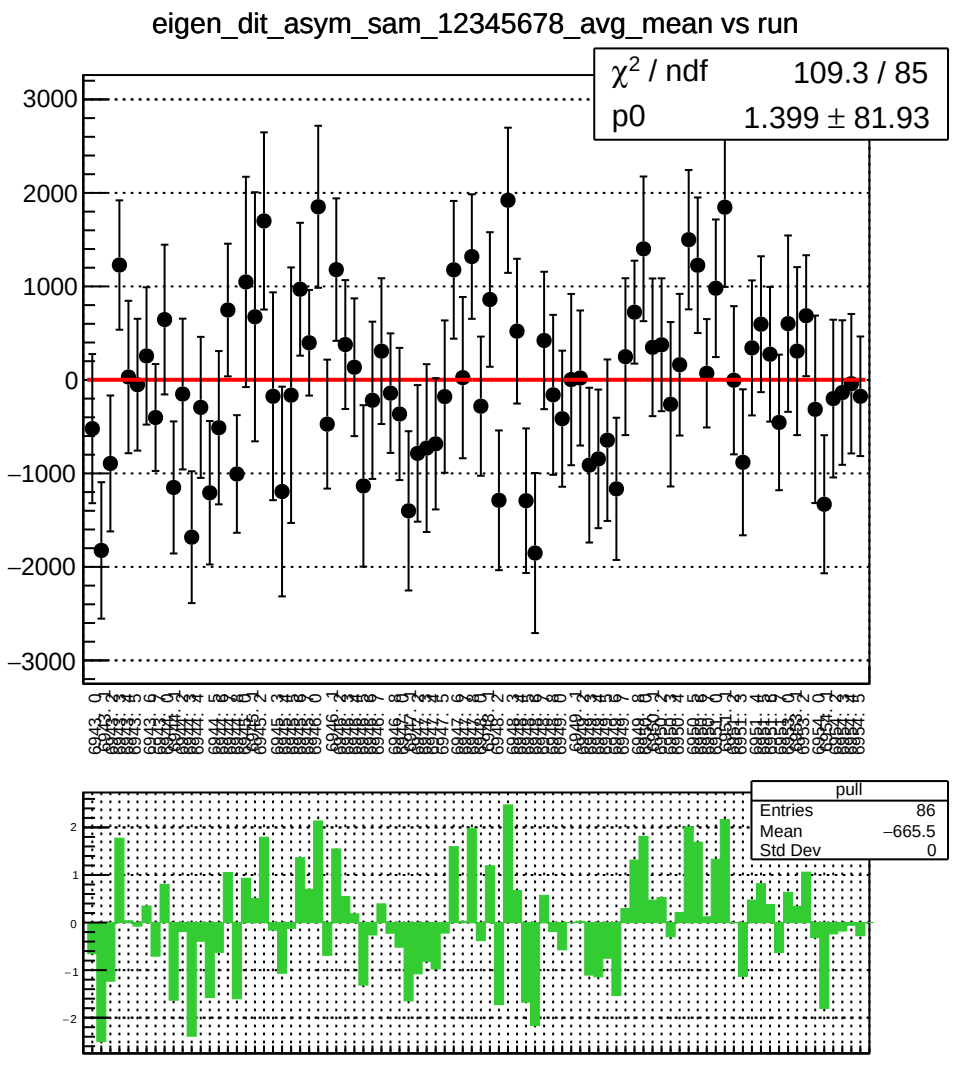

pull1D
Entries 86
Mean −0.005975
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

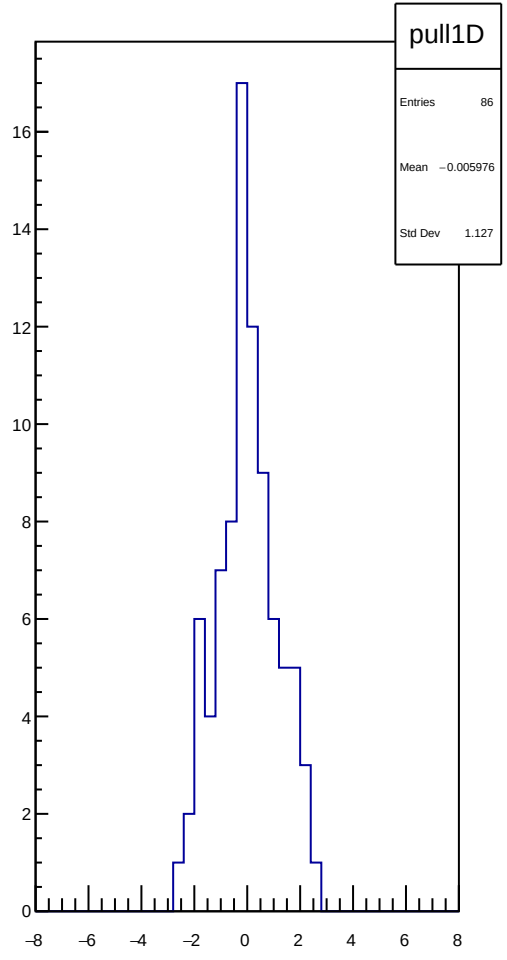

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.164e+04 / 85
p0 74.07 ± 0.05793
130
120
110
100
90
80
70
60

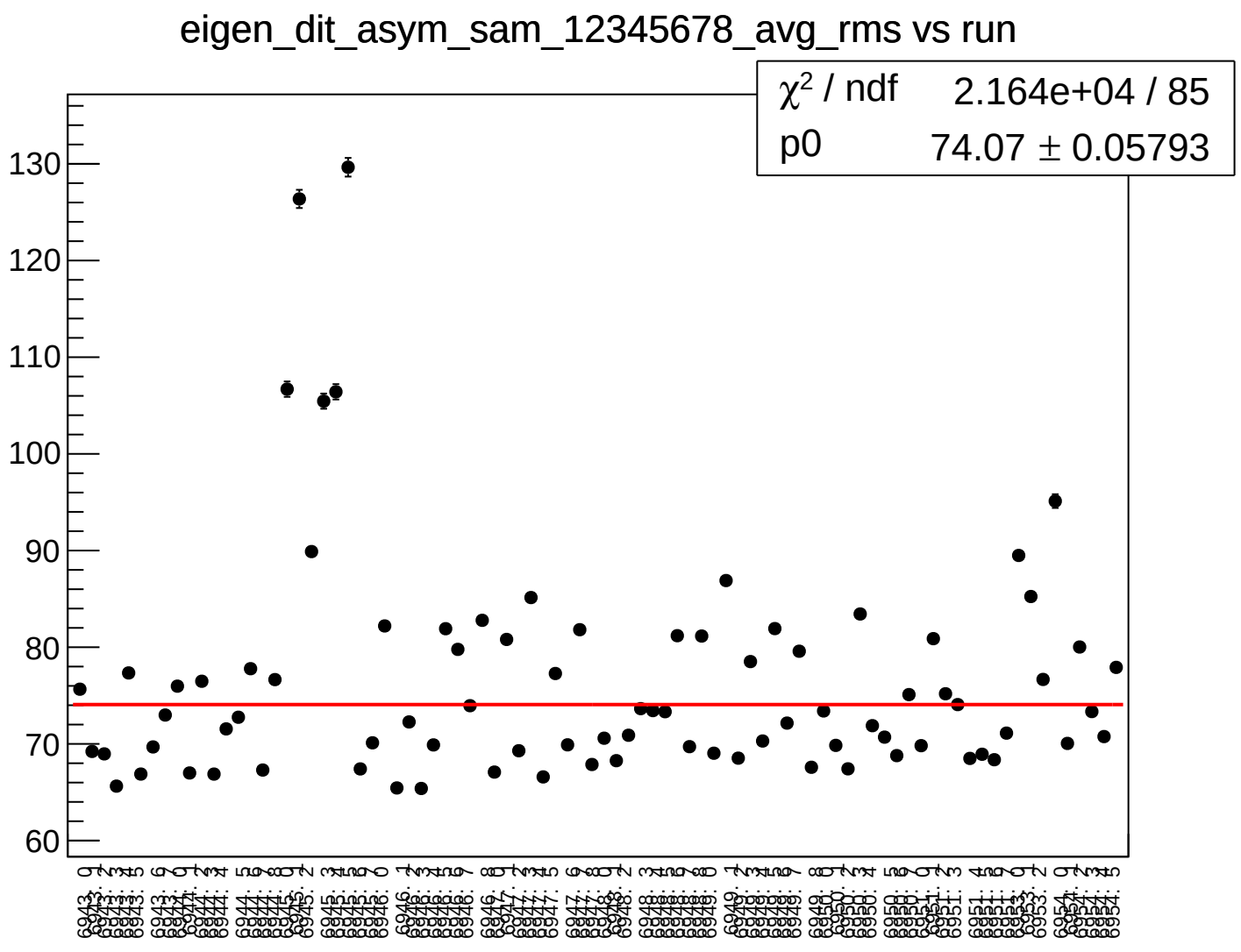

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 85.05 / 85
p0 −2955 ± 836.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 76.54
Std Dev 297.5
2
1
0
−1
−2

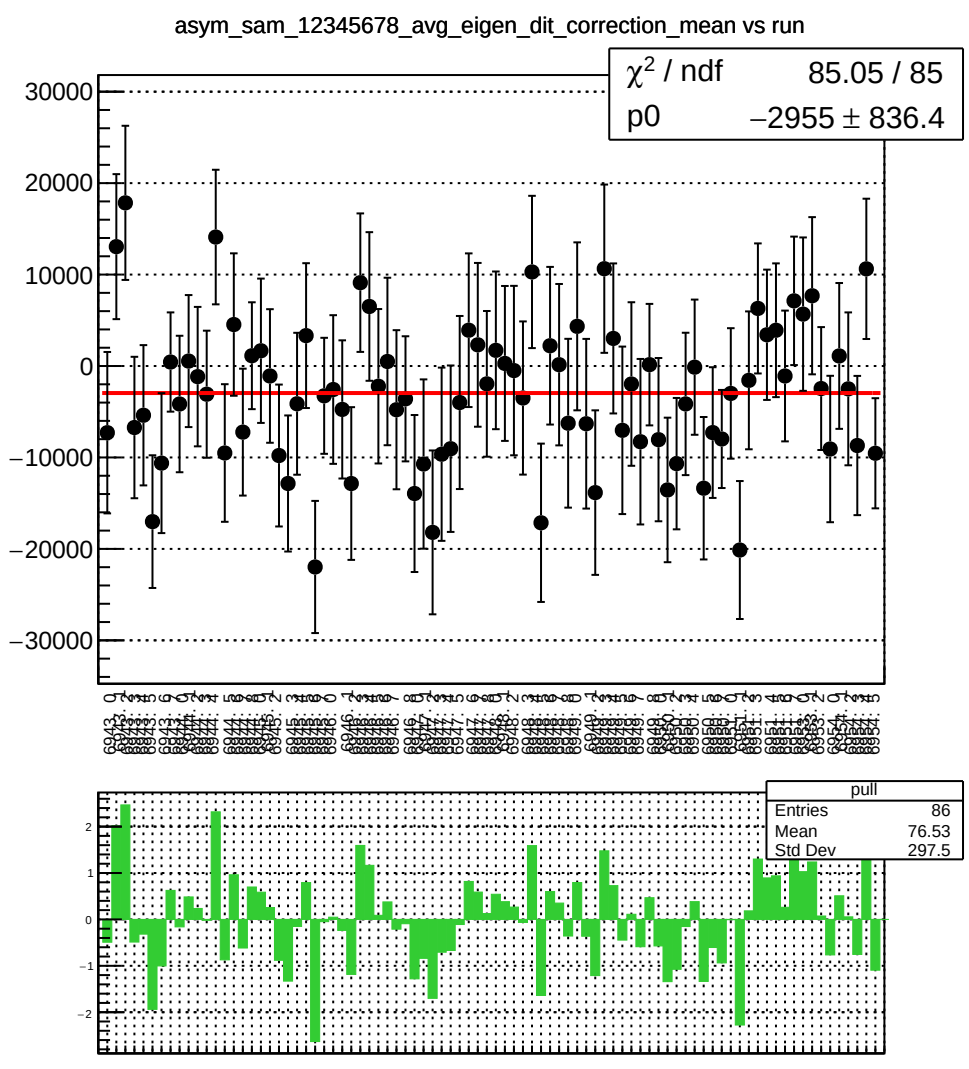

pull1D
Entries 86
Mean 0.0008619
Std Dev 0.9944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

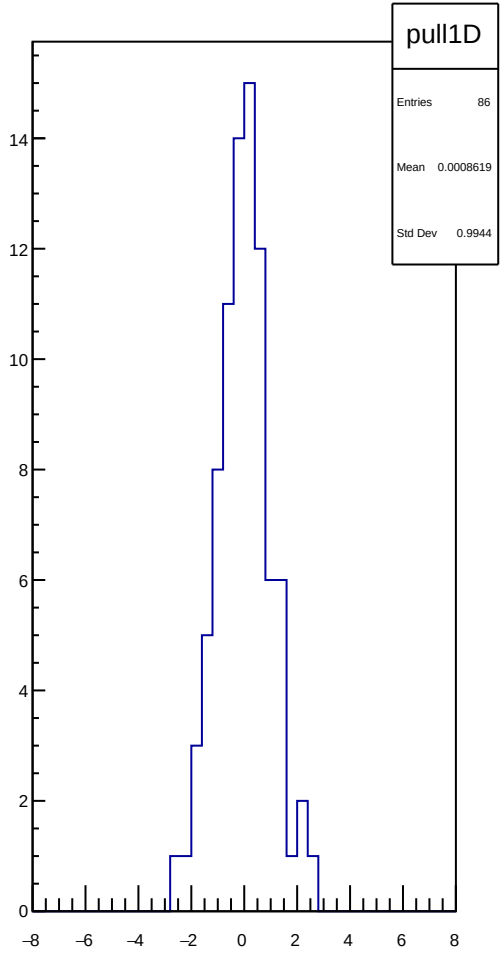

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 1.255e+04 / 85
p0 758.2 ± 0.5914
900
850
800
750
700
650

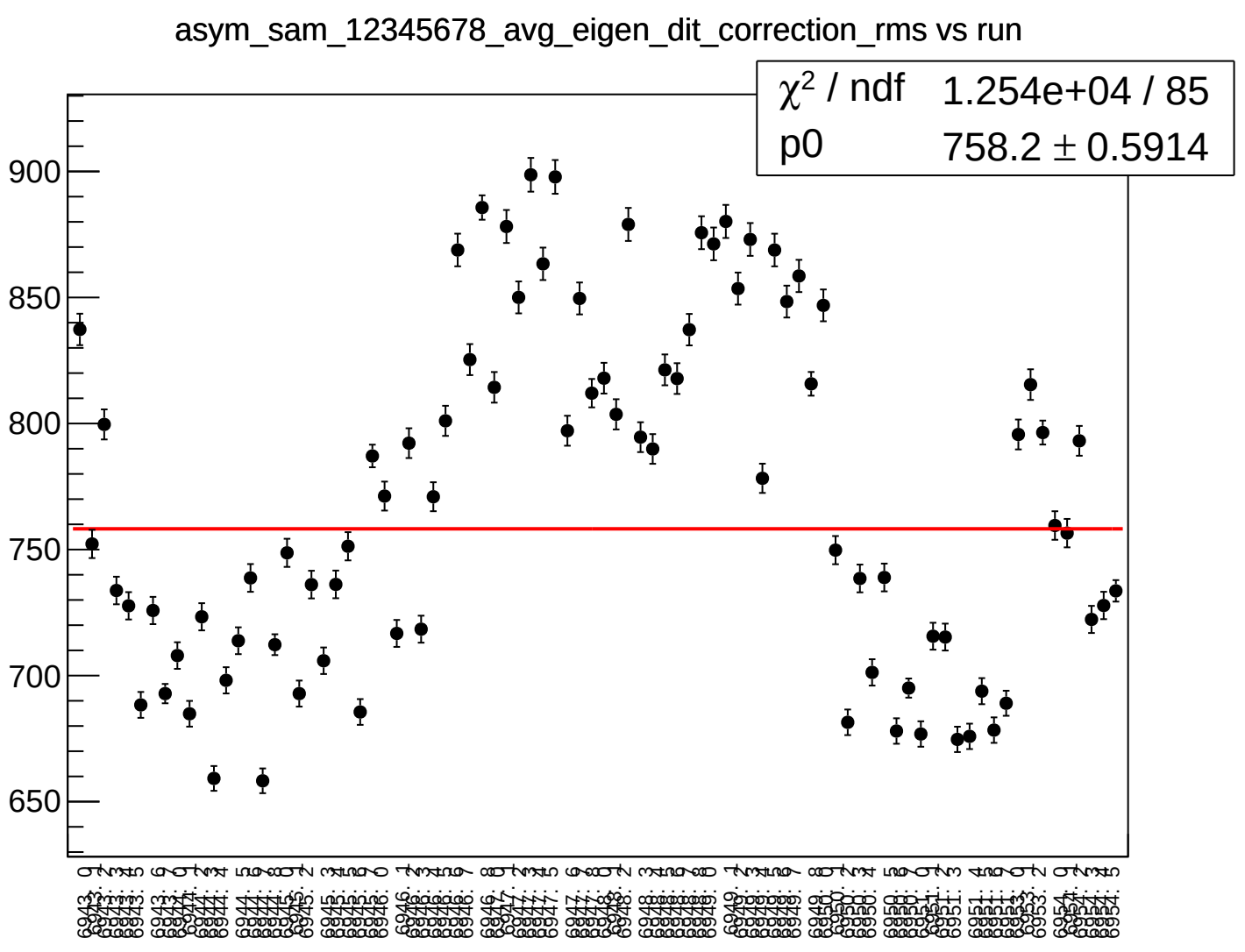

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 109.3 / 85
p0 1.399 ± 81.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −665.5
Std Dev 0
2
1
0
−1
−2

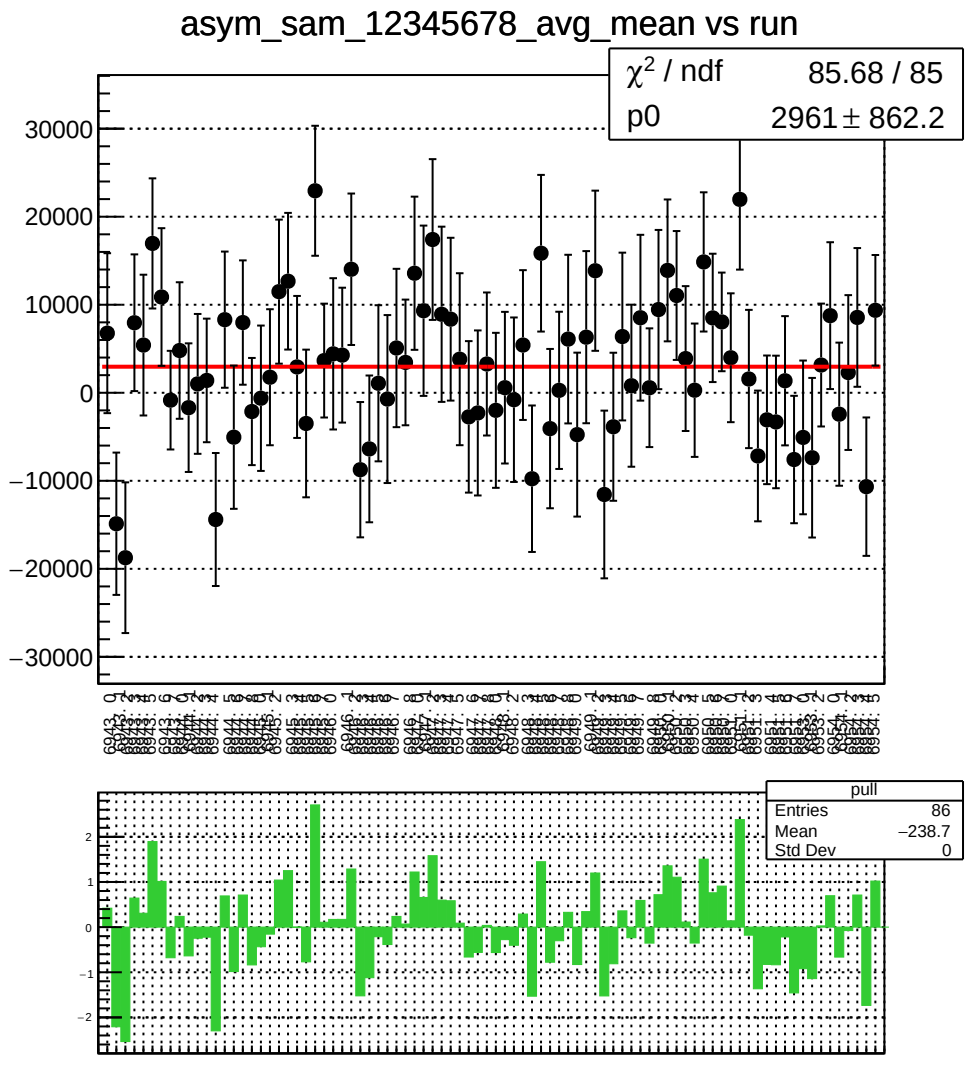

pull1D
Entries 86
Mean −0.005976
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

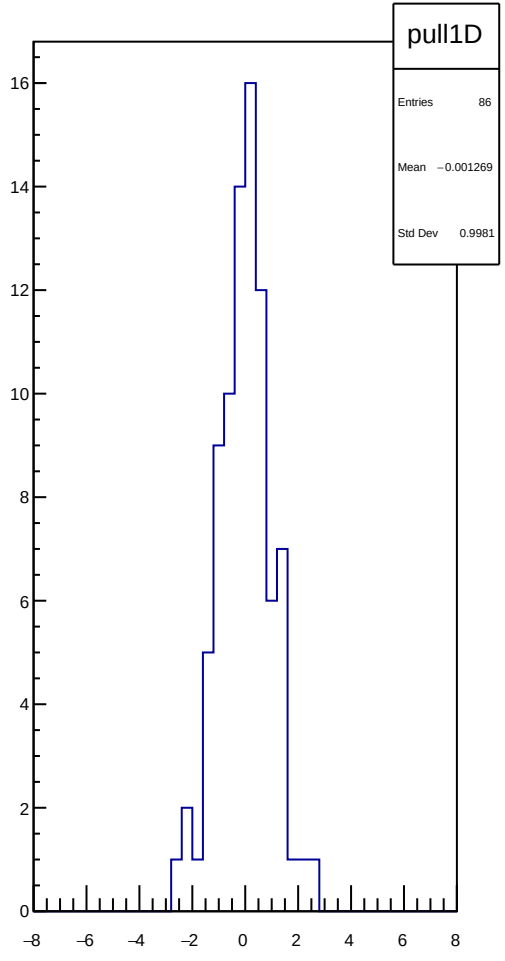

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.164e+04 / 85
p0 74.07 ± 0.05793
130
120
110
100
90
80
70
60

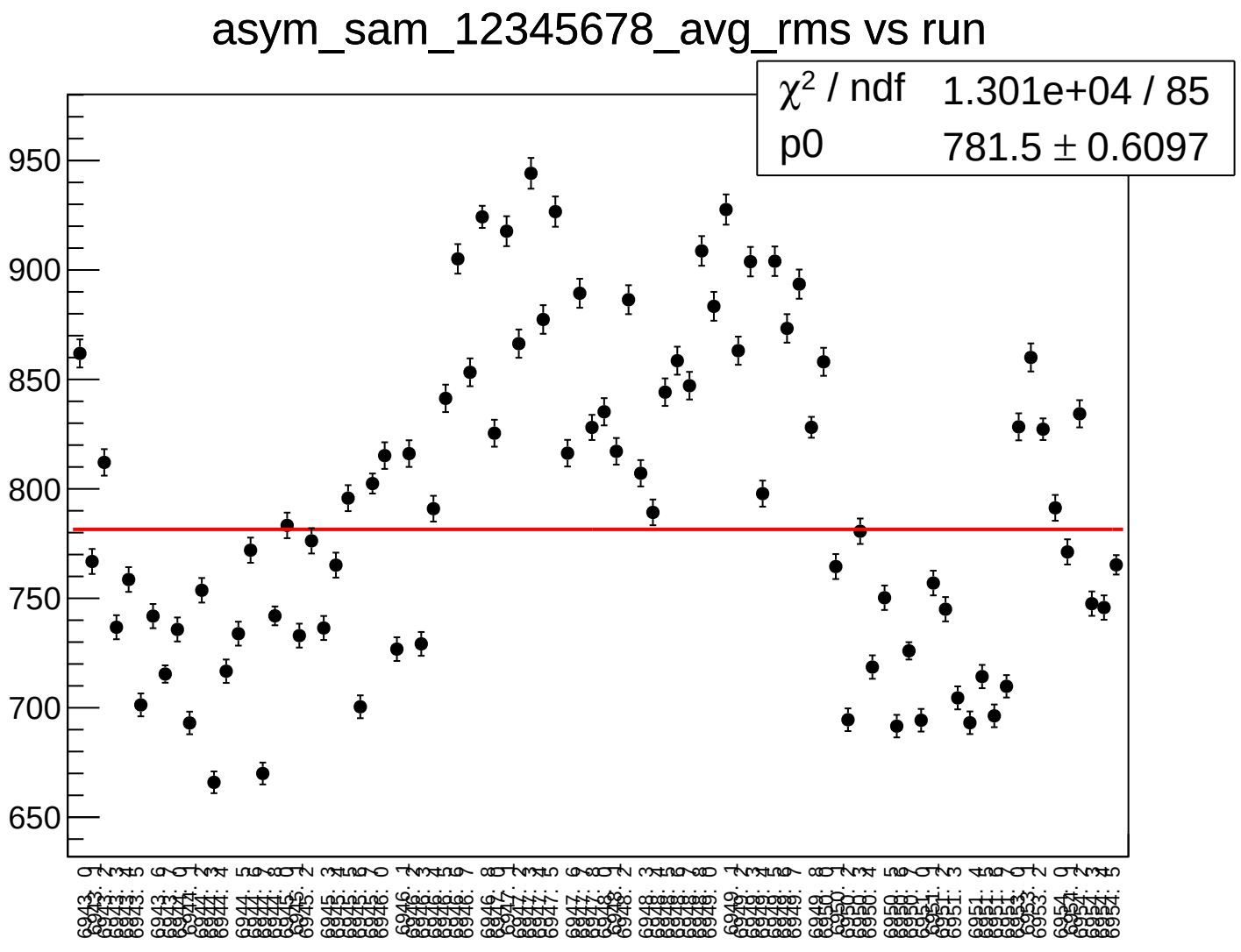

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.05 / 85
p0 −2955 ± 836.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 76.53
Std Dev 297.5
2
1
0
−1
−2

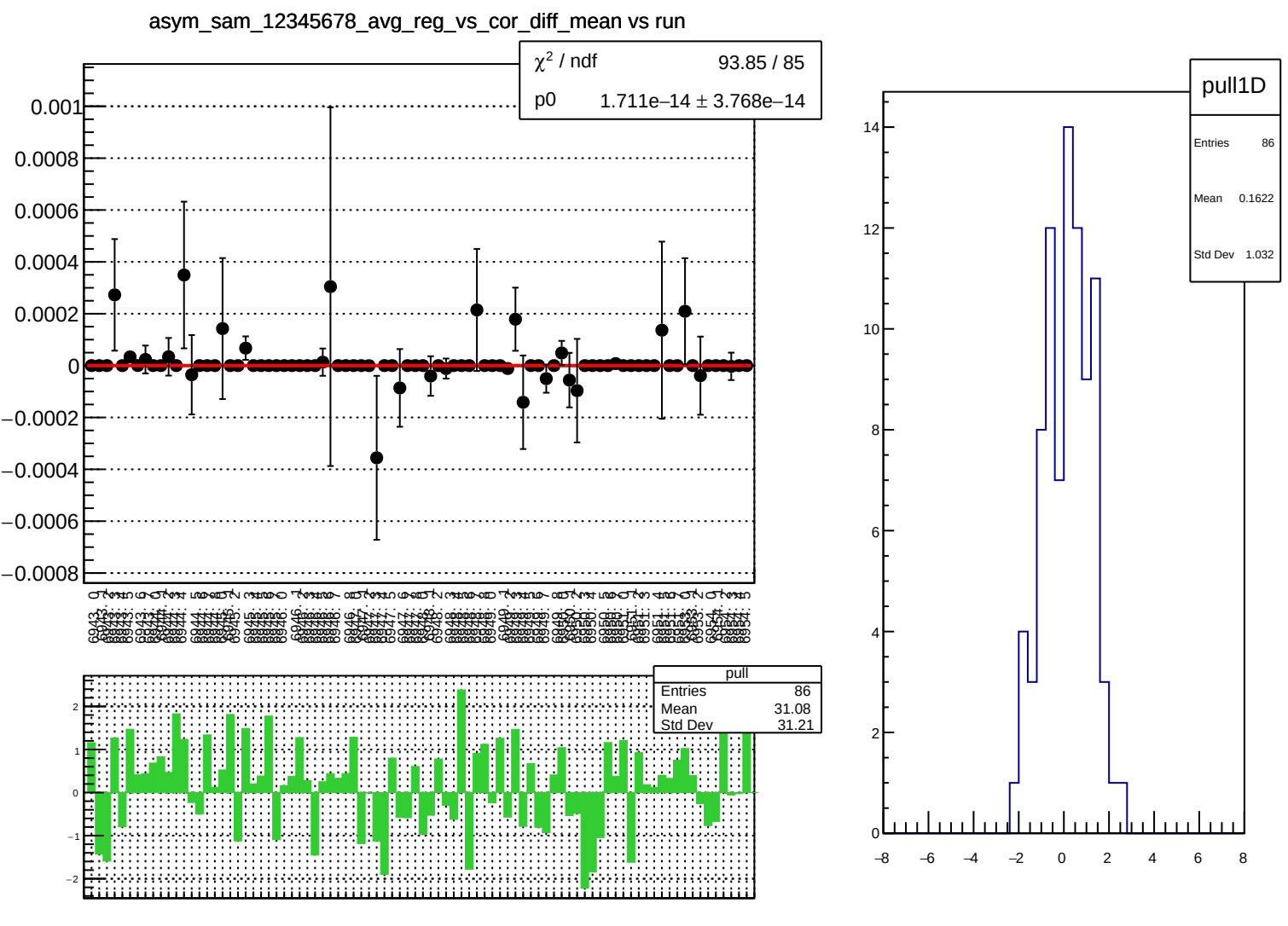

pull1D
Entries 86
Mean 0.0008619
Std Dev 0.9944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

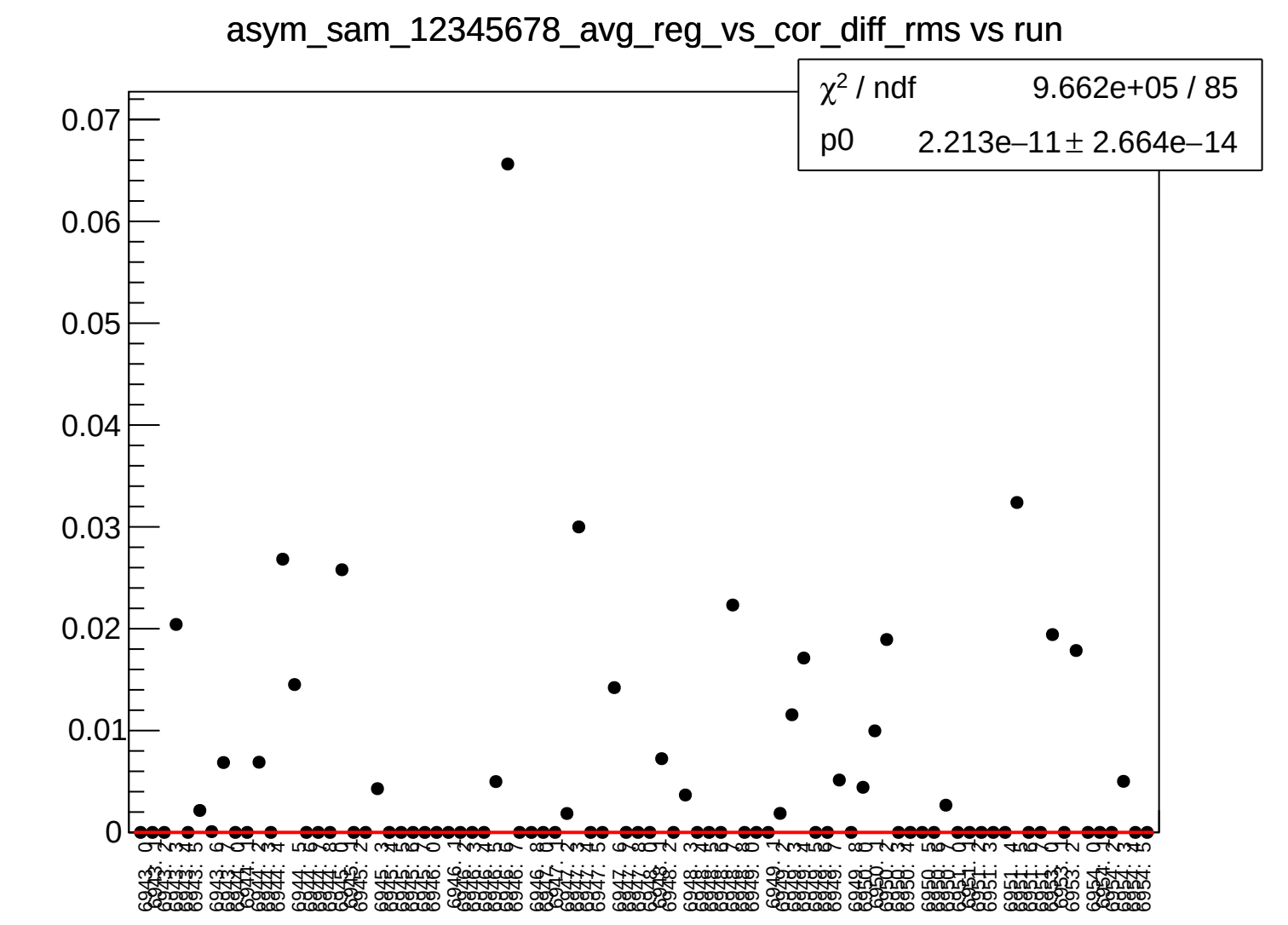

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.254e+04 / 85
p0 758.2 ± 0.5914
900
850
800
750
700
650

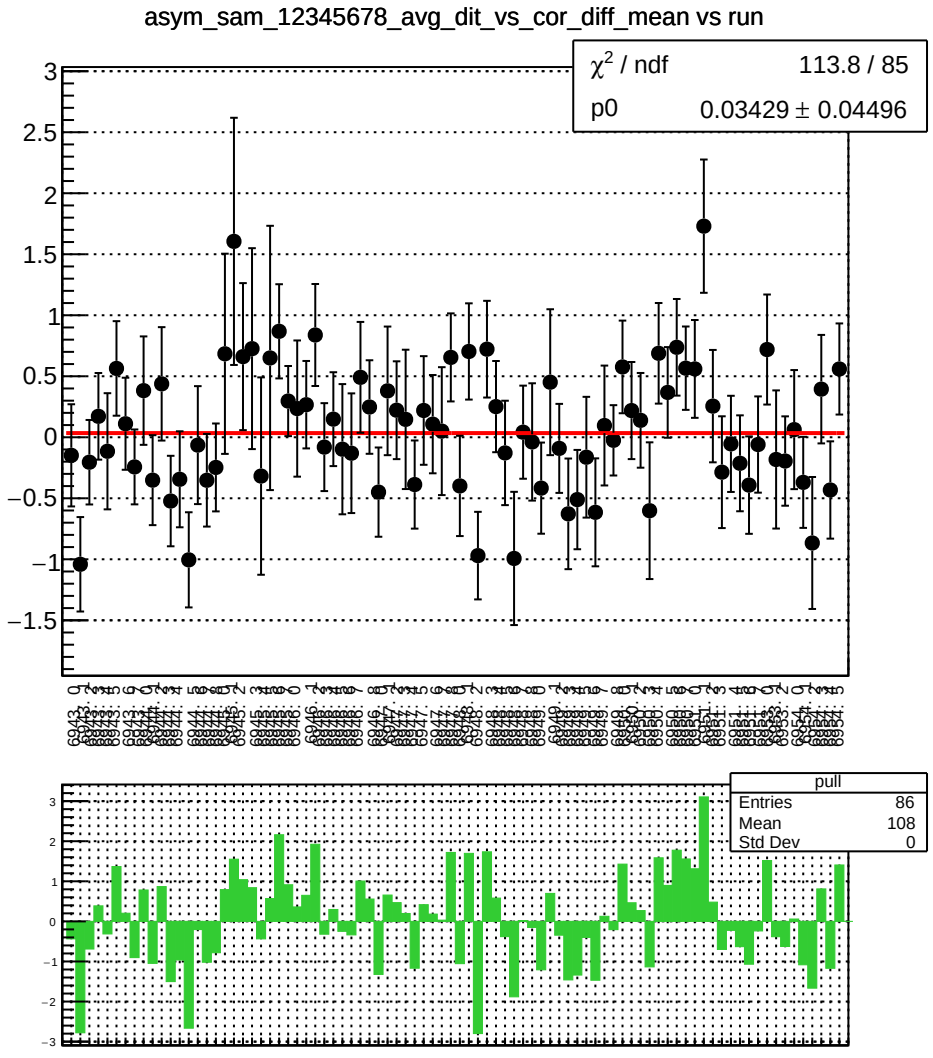

asym_sam_12345678_avg_mean vs run
χ² / ndf 85.68 / 85
p0 2961 ± 862.2
pull
Entries 86
Mean −238.7
Std Dev 0

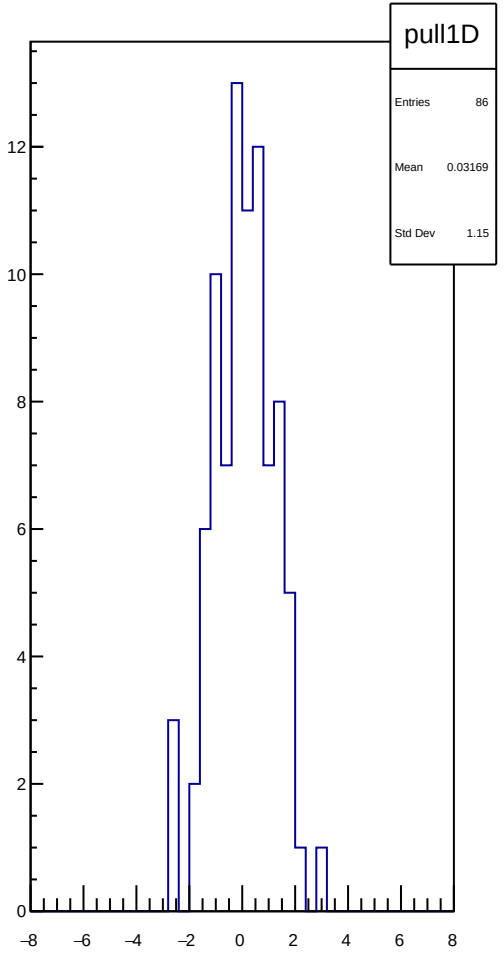

pull1D
Entries 86
Mean −0.001269
Std Dev 0.9981

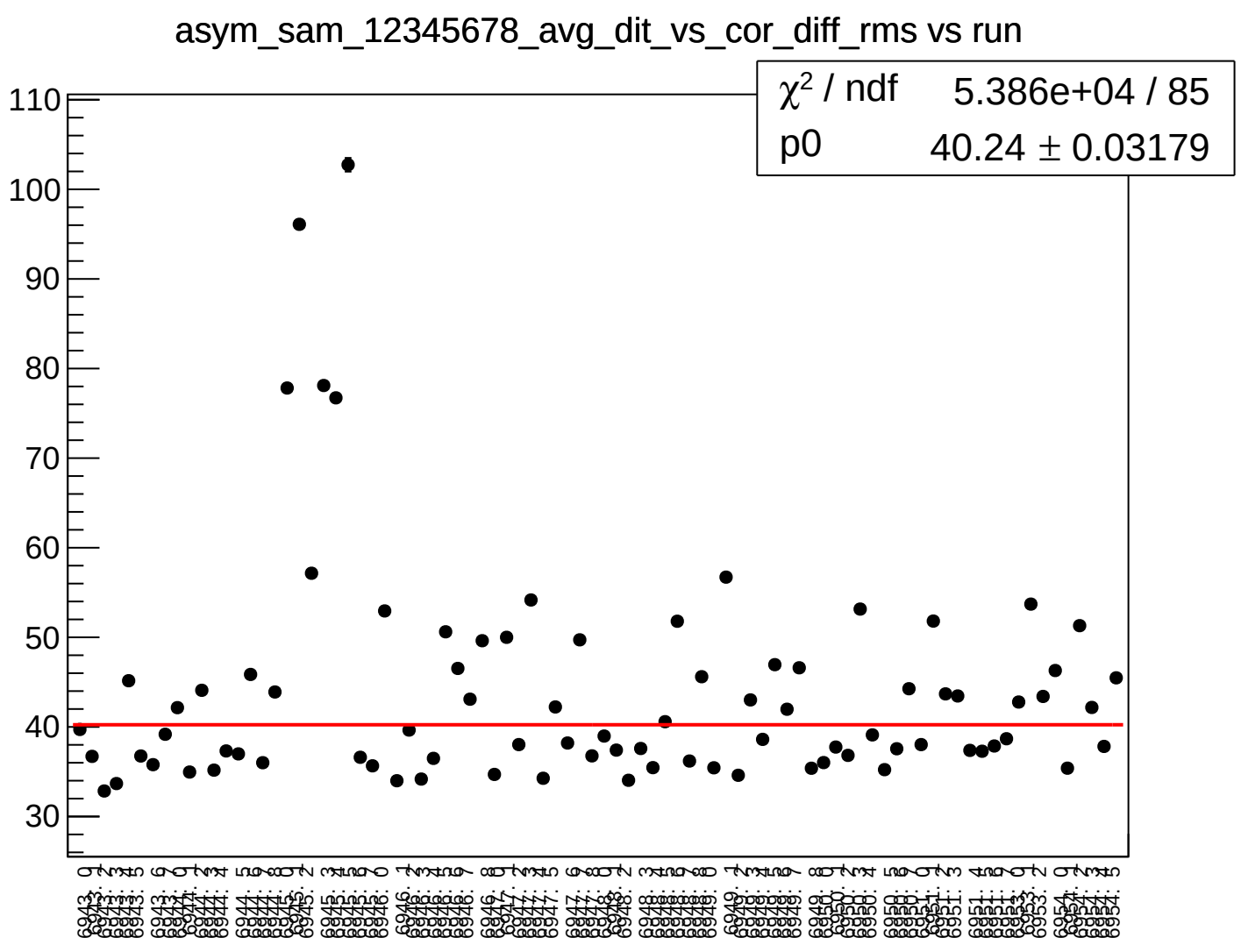

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.301e+04 / 85
p0 781.5 ± 0.6097
950
900
850
800
750
700
650

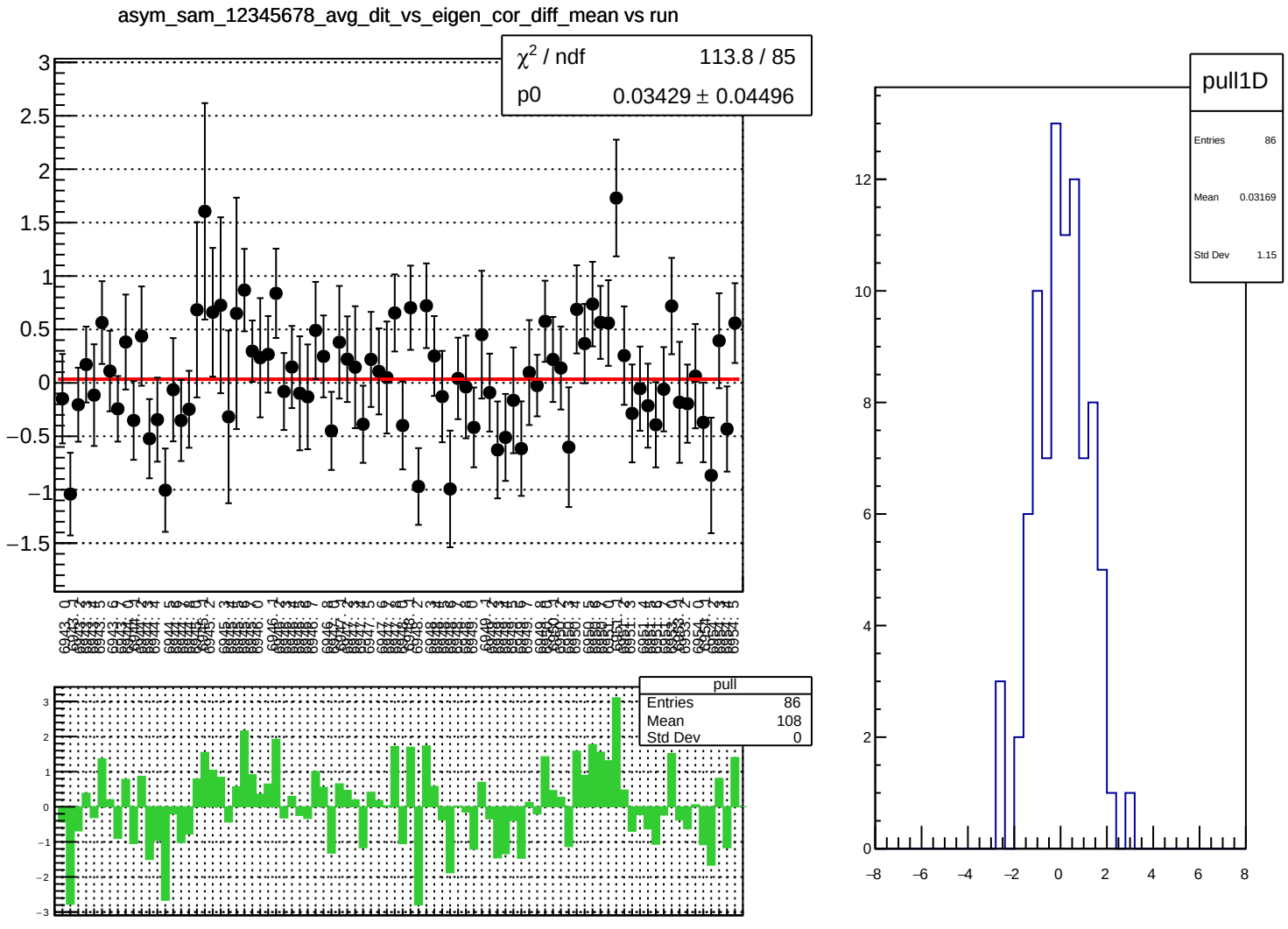

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 93.85 / 85
p0 1.711e−14 ± 3.768e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 86
Mean 31.08
Std Dev 31.21
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.1622
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

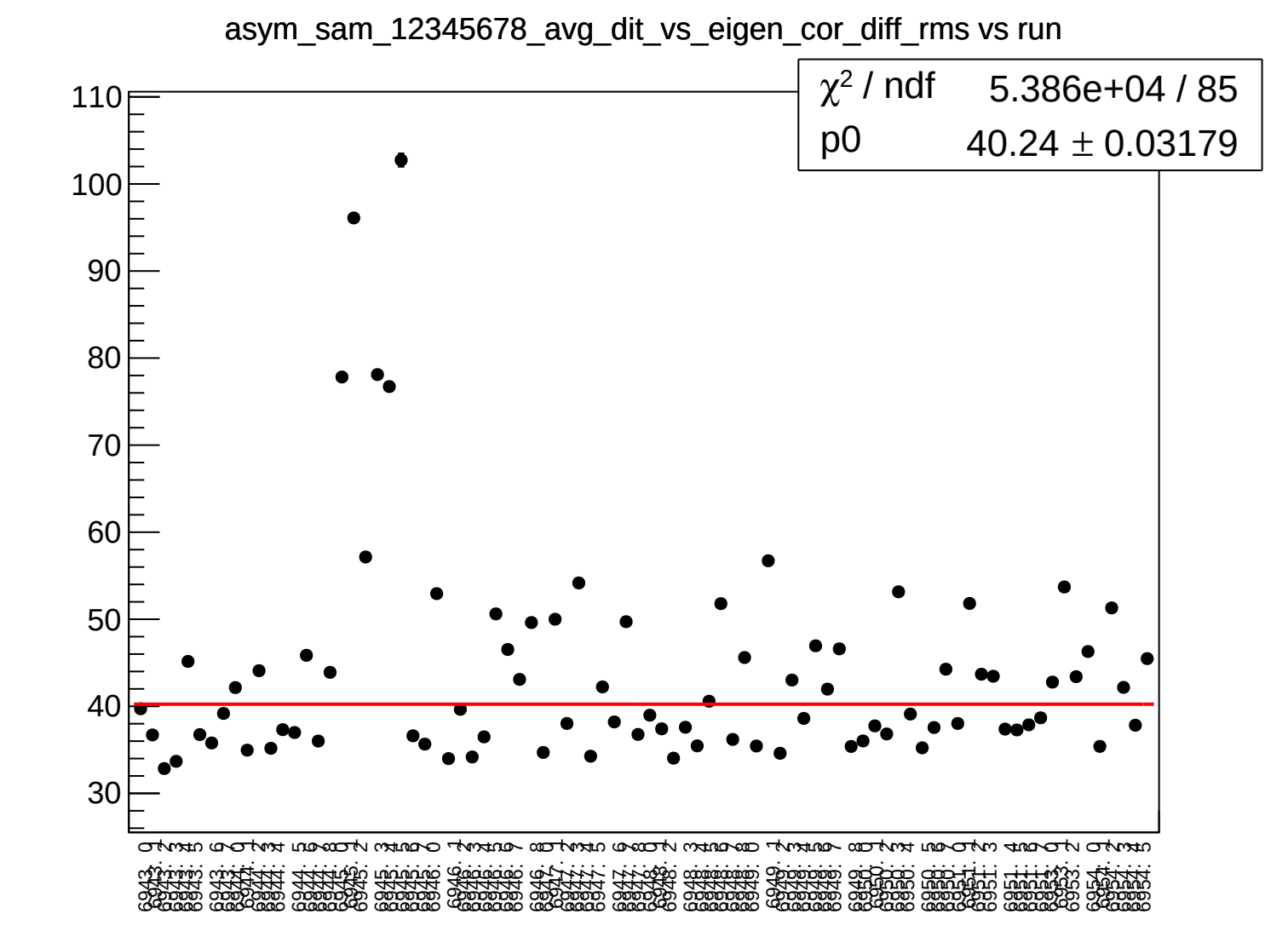

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.662e+05 / 85
p0 2.213e−11 ± 2.664e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

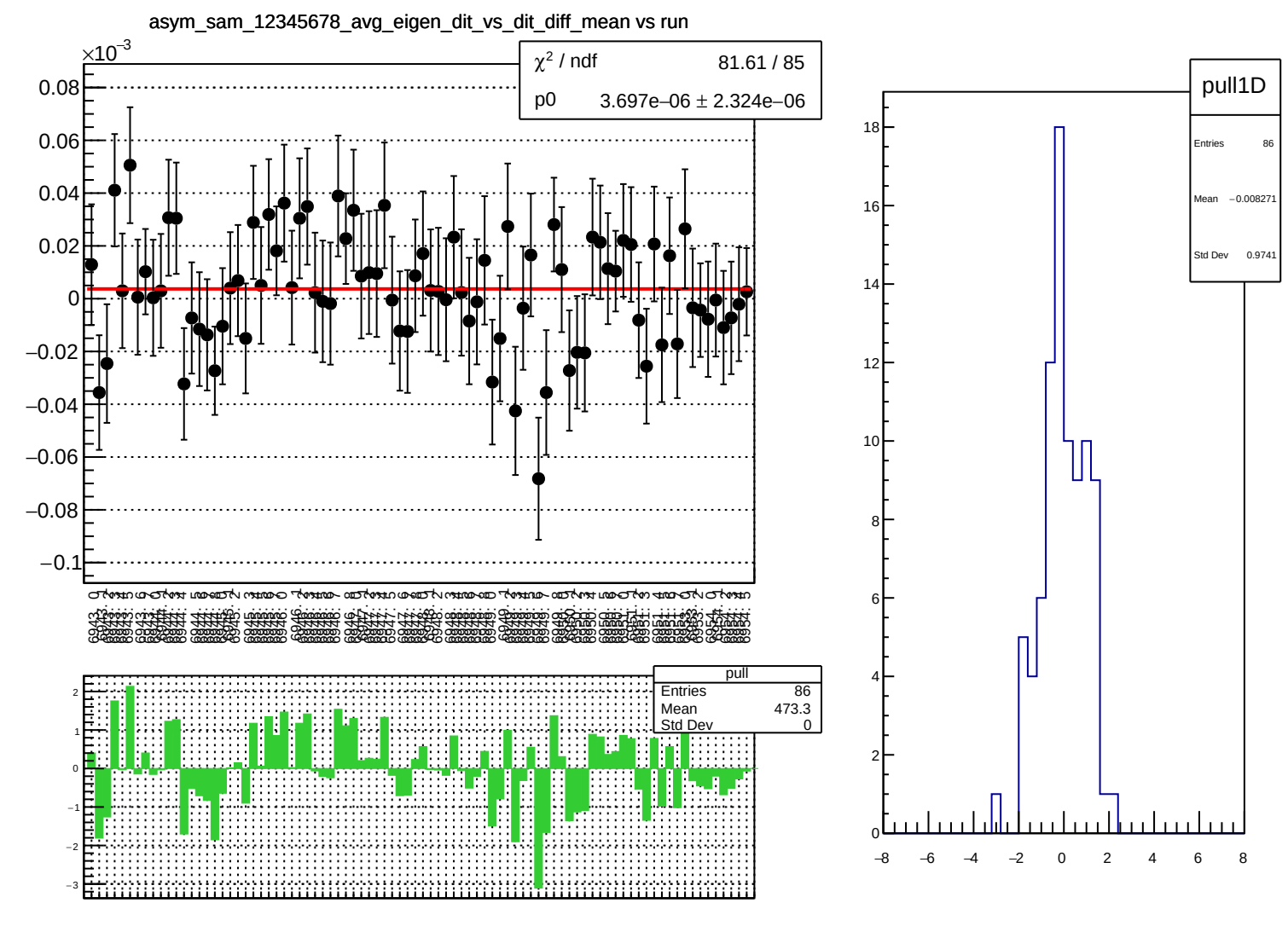

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 113.8 / 85
p0 0.03429 ± 0.04496
pull
Entries 86
Mean 108
Std Dev 0

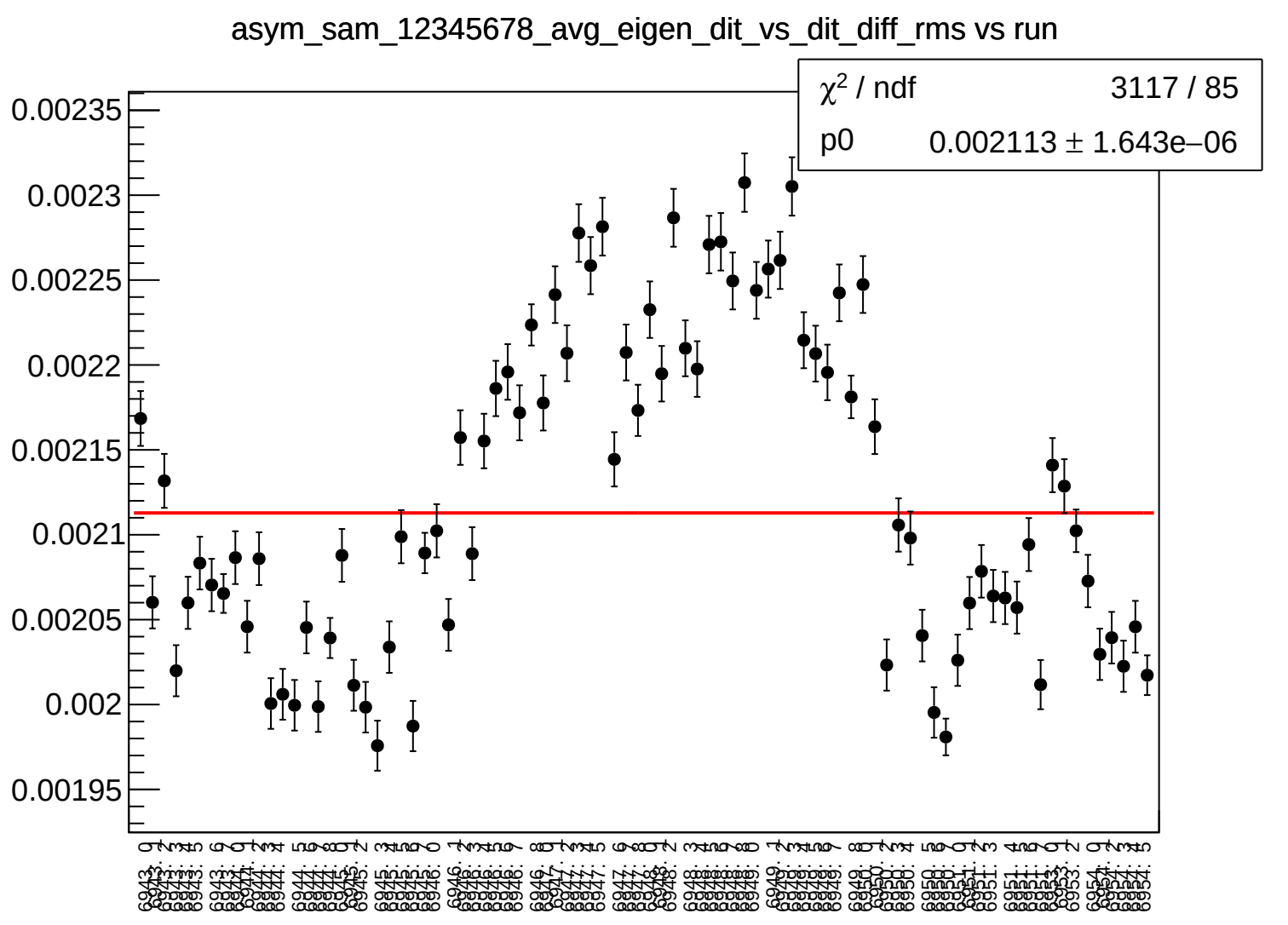

pull1D
Entries 86
Mean 0.03169
Std Dev 1.15

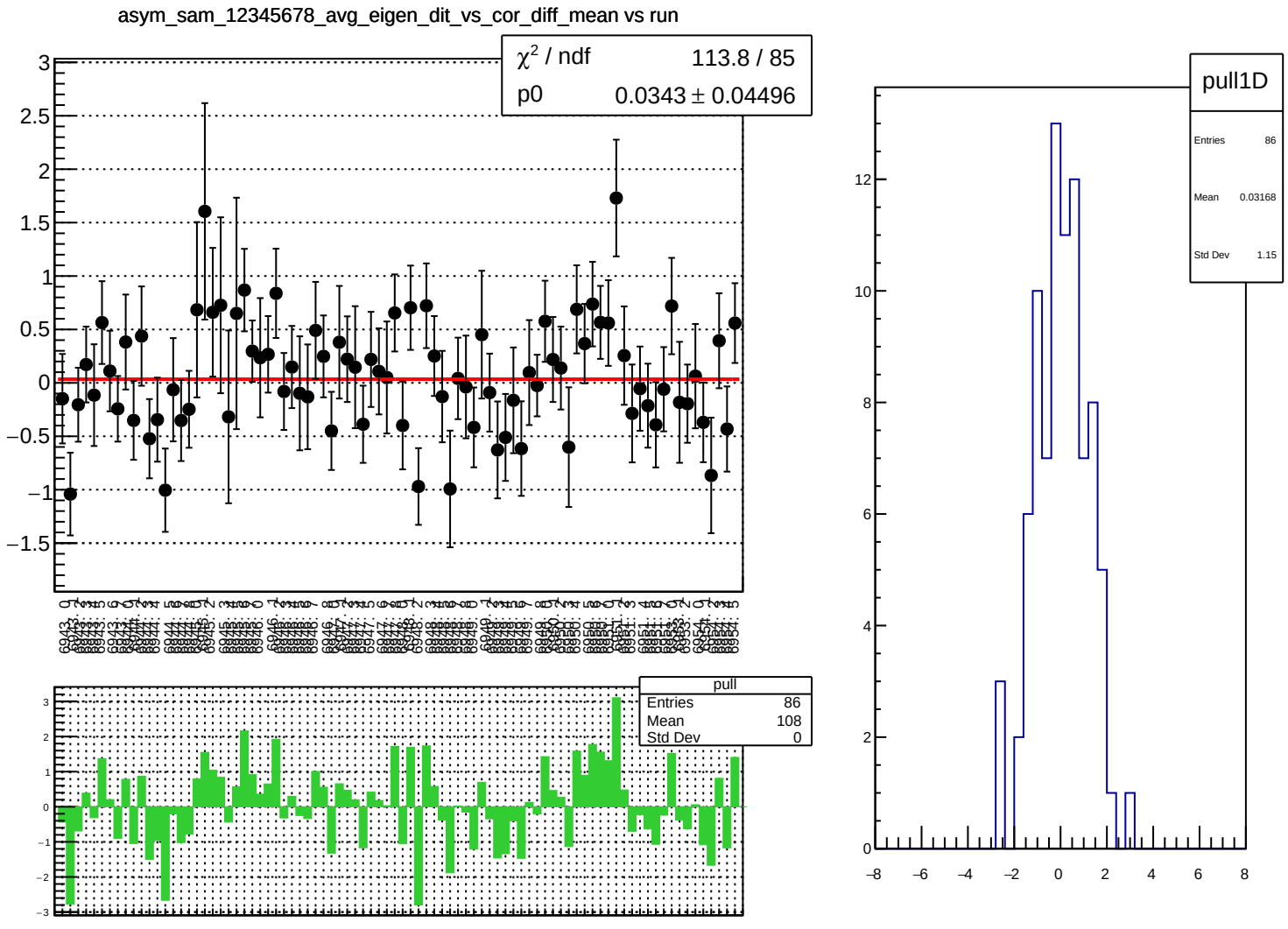

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.386e+04 / 85
p0 40.24 ± 0.03179
110
100
90
80
70
60
50
40
30

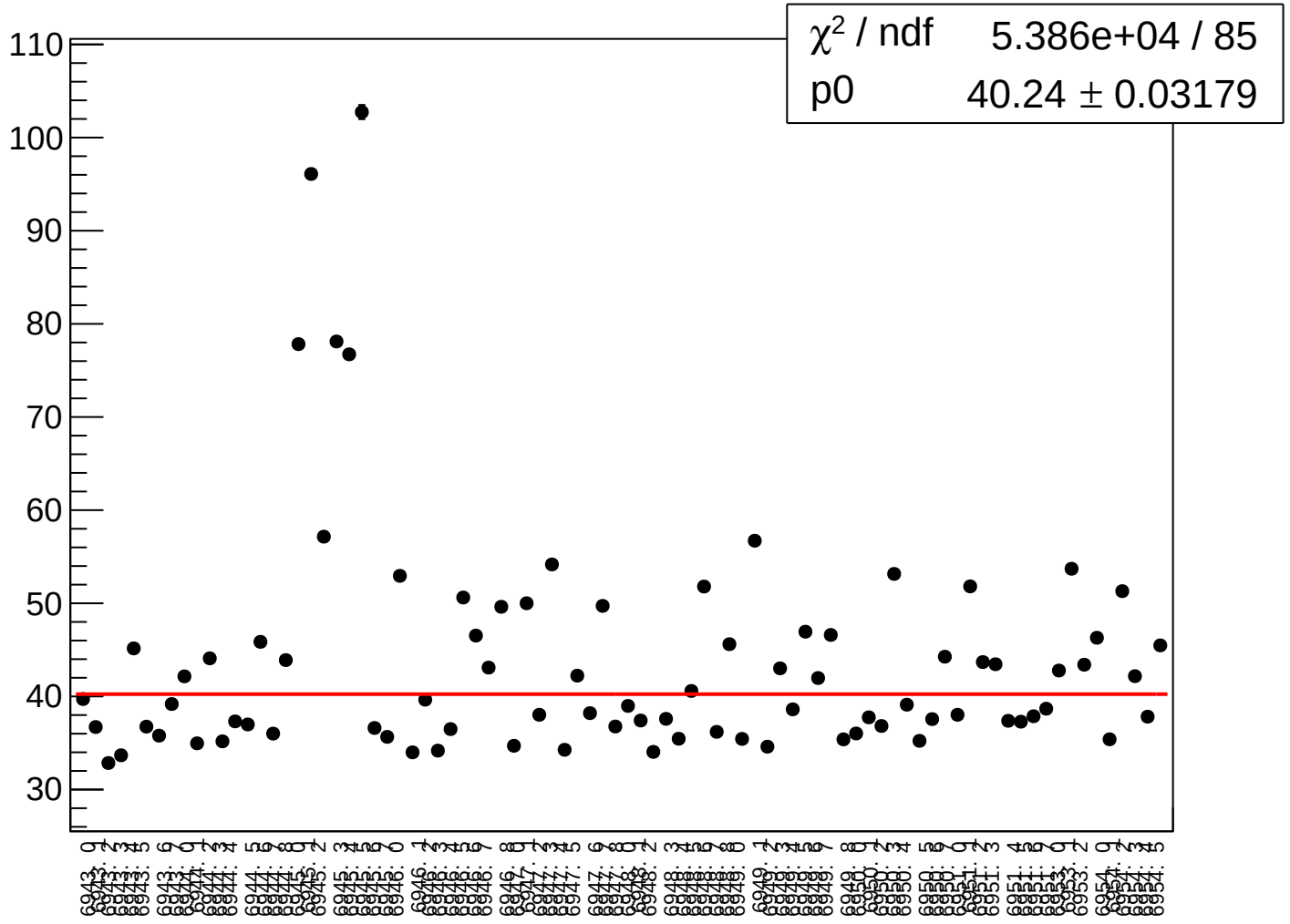

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.8 / 85
p0 0.03429 ± 0.04496
pull
Entries 86
Mean 108
Std Dev 0
pull1D
Entries 86
Mean 0.03169
Std Dev 1.15

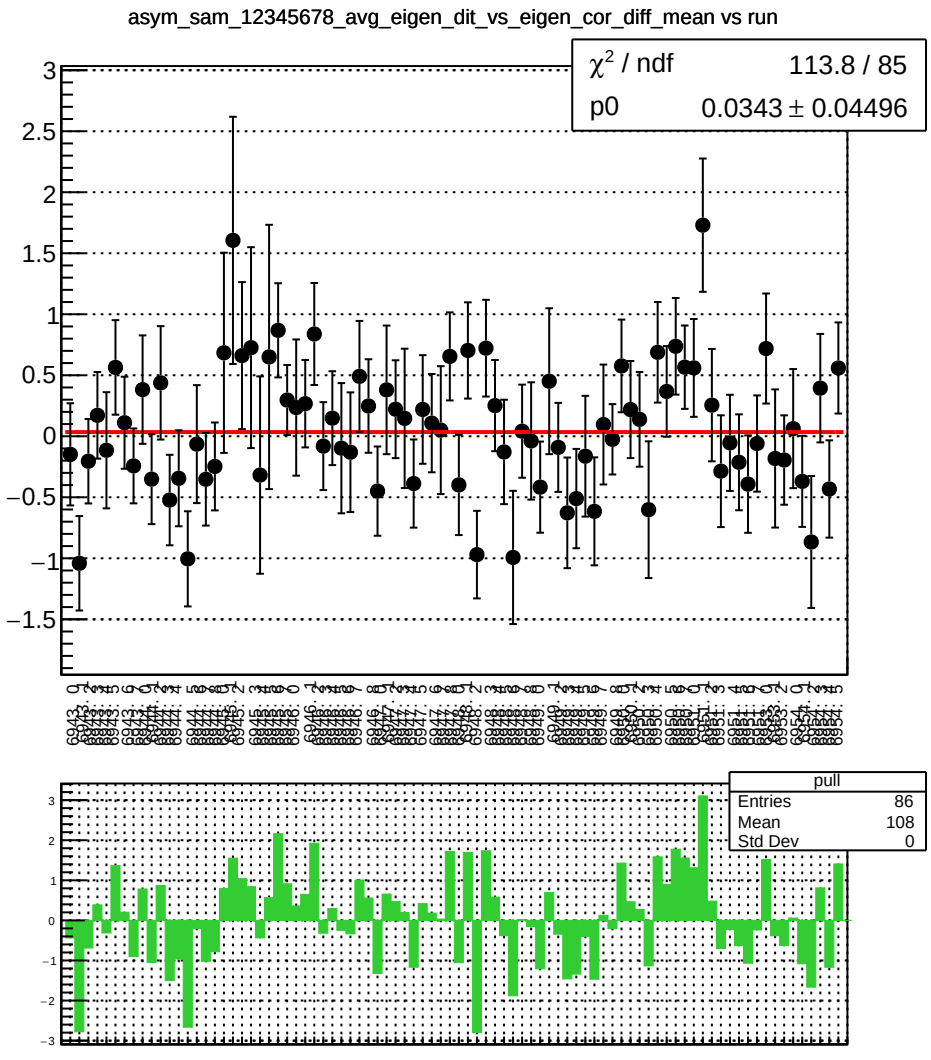

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.386e+04 / 85
p0 40.24 ± 0.03179
110
100
90
80
70
60
50
40
30

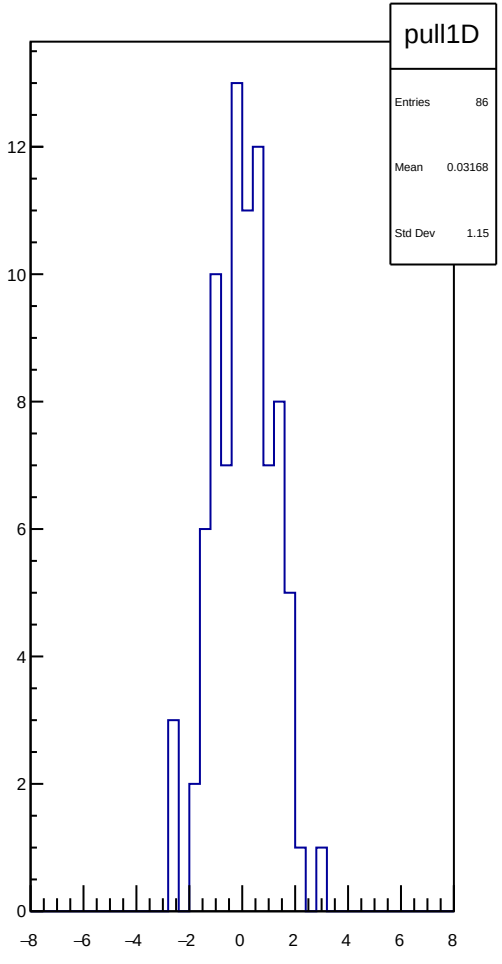

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.61 / 85
p0 3.697e−06 ± 2.324e−06
pull
Entries 86
Mean 473.3
Std Dev 0
pull1D
Entries 86
Mean −0.008271
Std Dev 0.9741

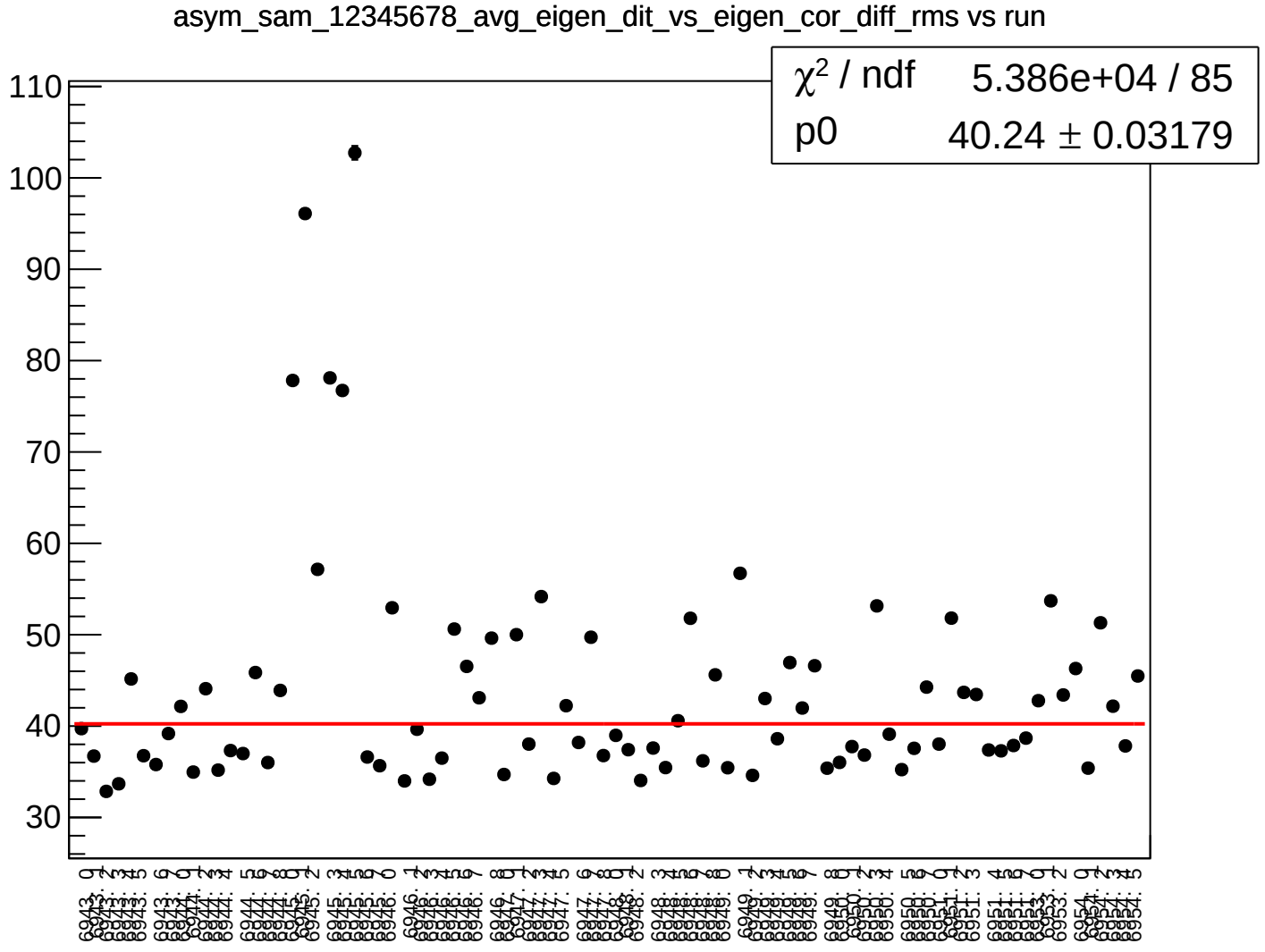

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3117 / 85
p0 0.002113 ± 1.643e−06
0.00235
0.0023
0.00225
0.0022
0.00215
0.0021
0.00205
0.002
0.00195


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.8 / 85
p0 0.0343 ± 0.04496
pull
Entries 86
Mean 108
Std Dev 0
pull1D
Entries 86
Mean 0.03168
Std Dev 1.15

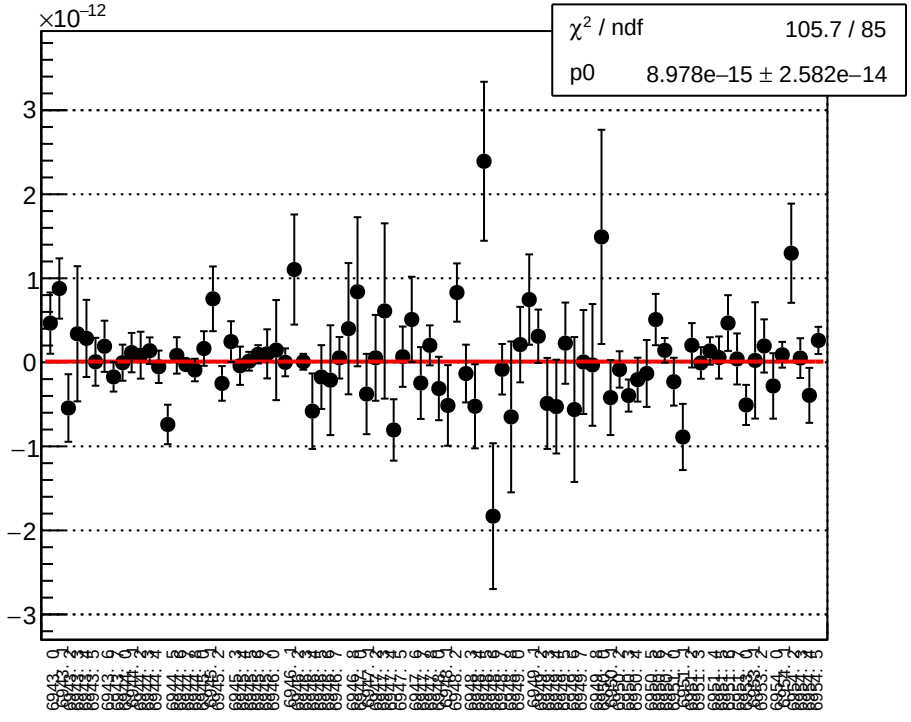

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.386e+04 / 85
p0 40.24 ± 0.03179
110
100
90
80
70
60
50
40
30

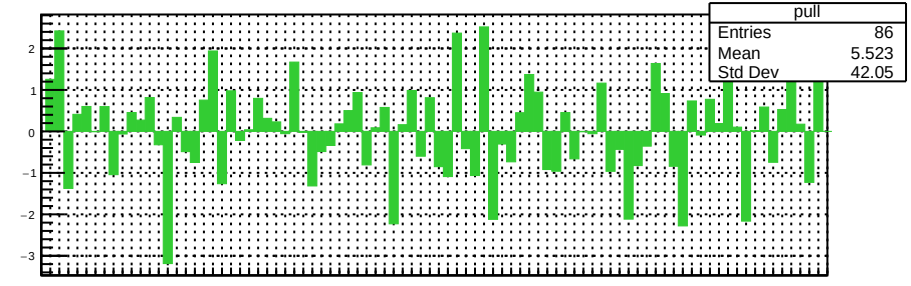

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.8 / 85
p0 0.0343 ± 0.04496
pull
Entries 86
Mean 108
Std Dev 0

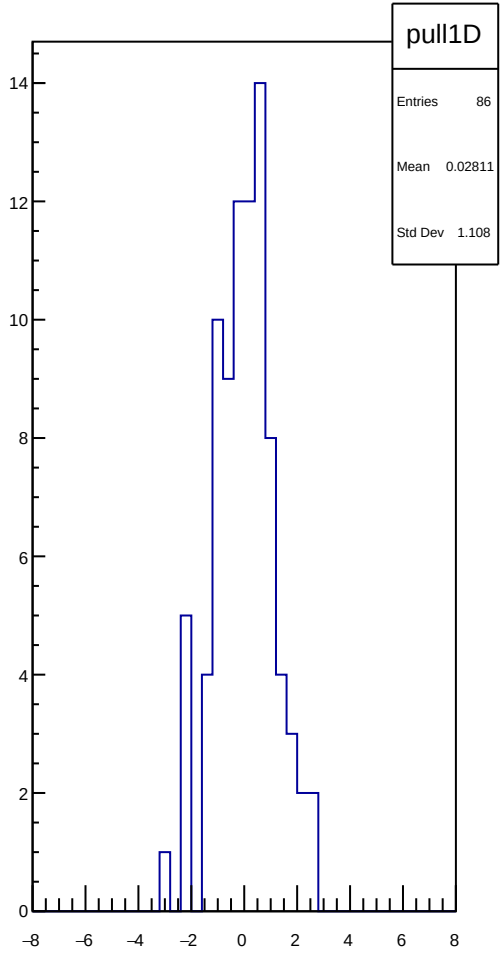

pull1D
Entries 86
Mean 0.03168
Std Dev 1.15

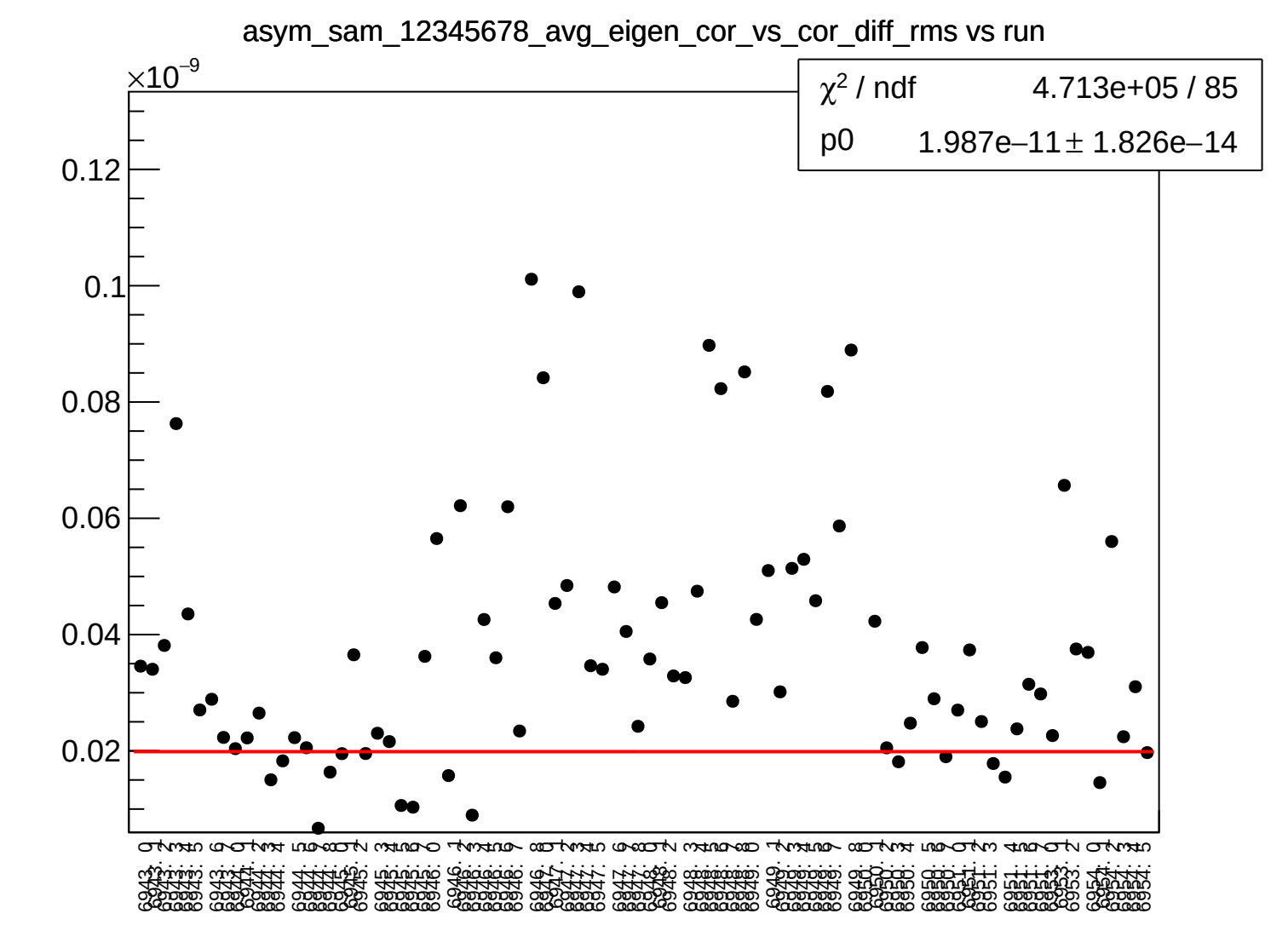

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.386e+04 / 85
p0 40.24 ± 0.03179
110
100
90
80
70
60
50
40
30

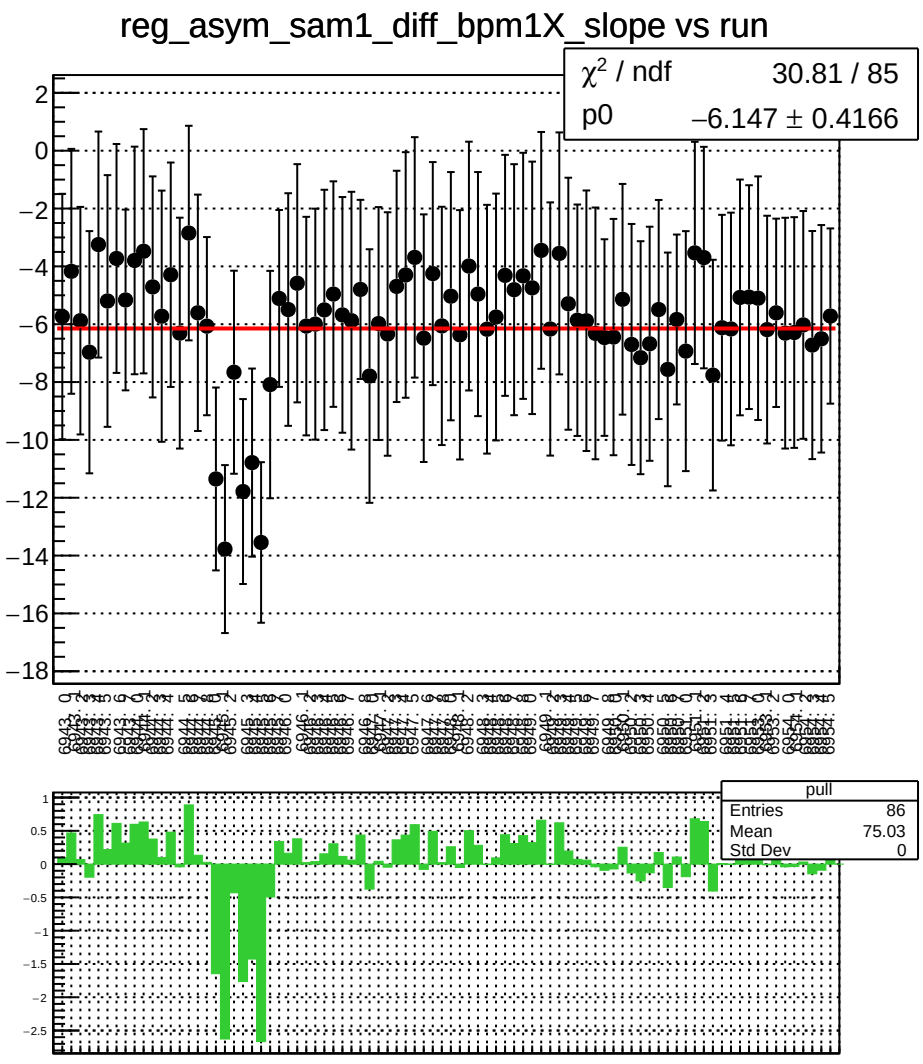
asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run

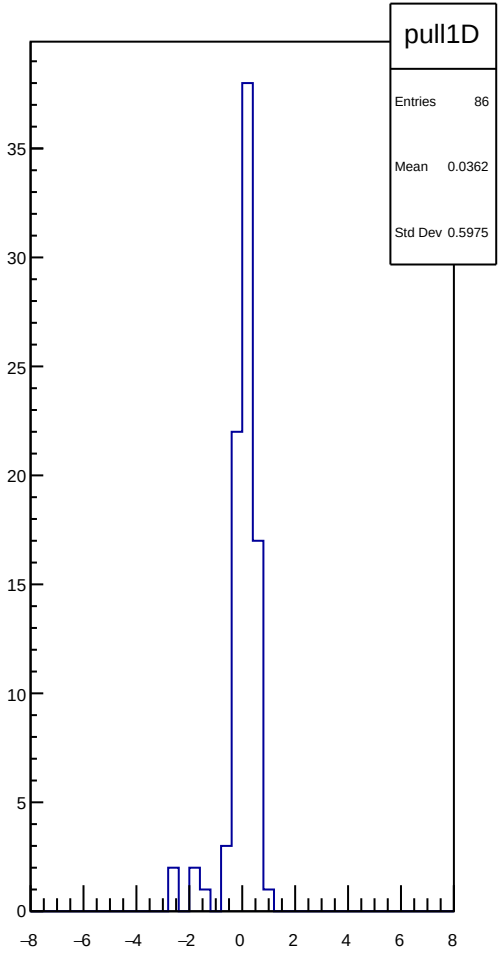


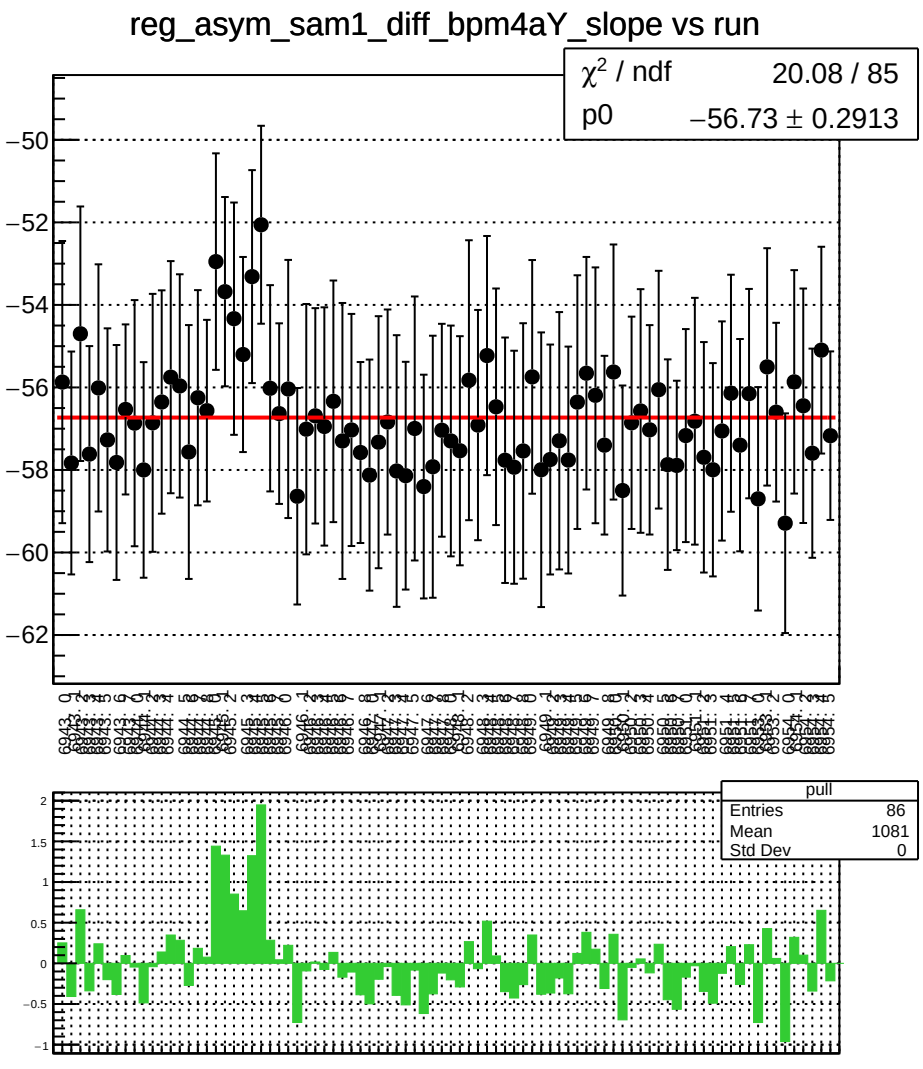


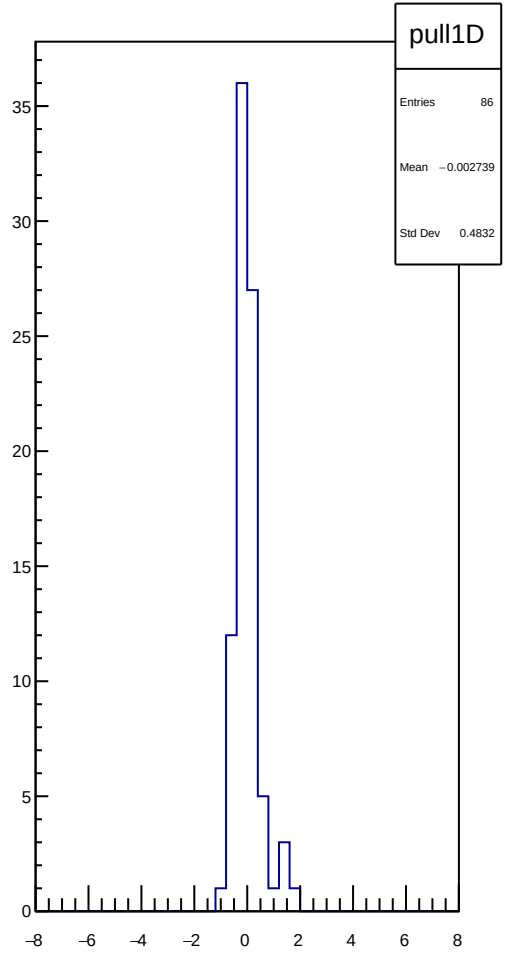


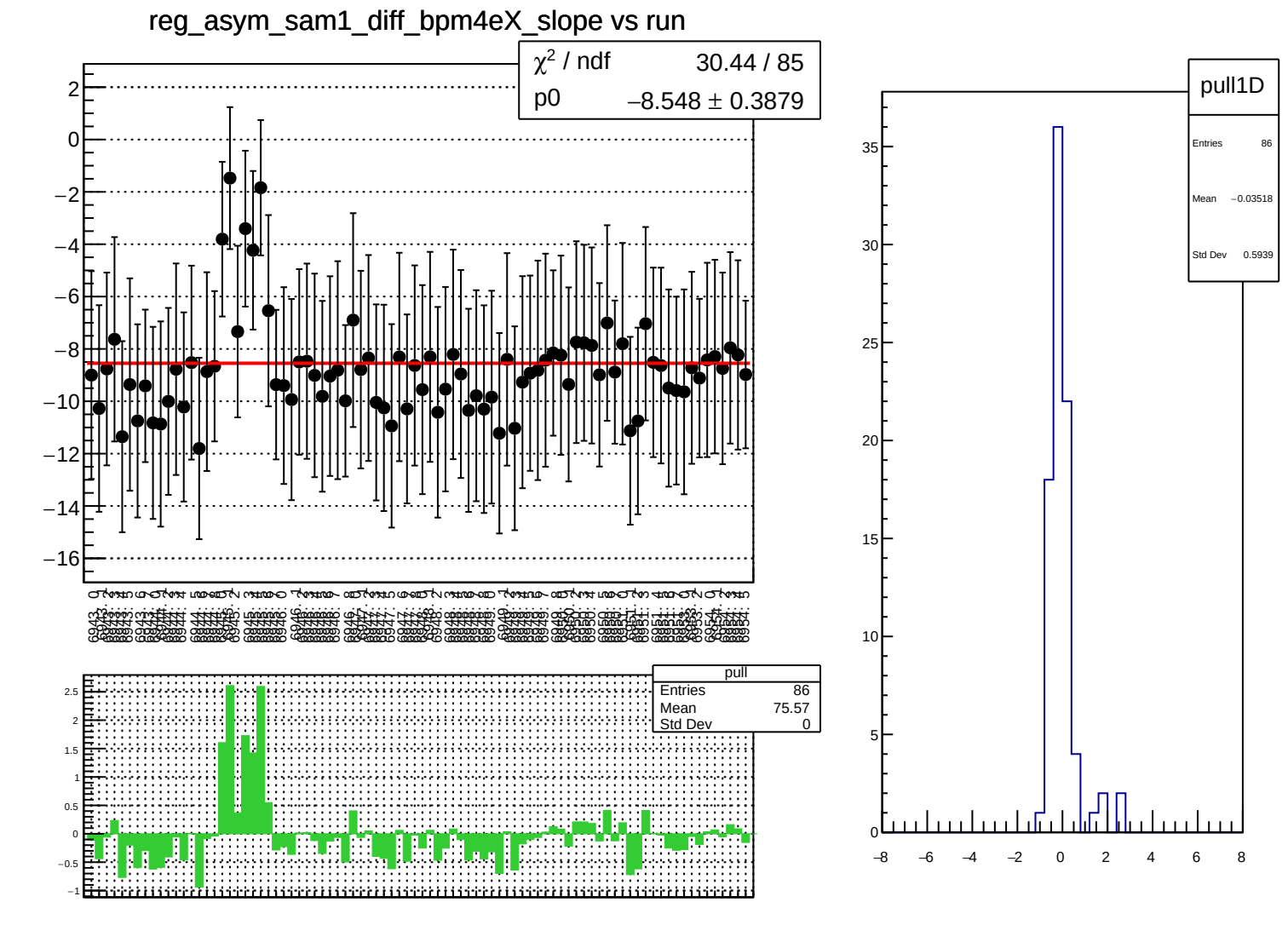

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.713e+05 / 85
p0 1.987e−11 ± 1.826e−14
0.12
0.1
0.08
0.06
0.04
0.02

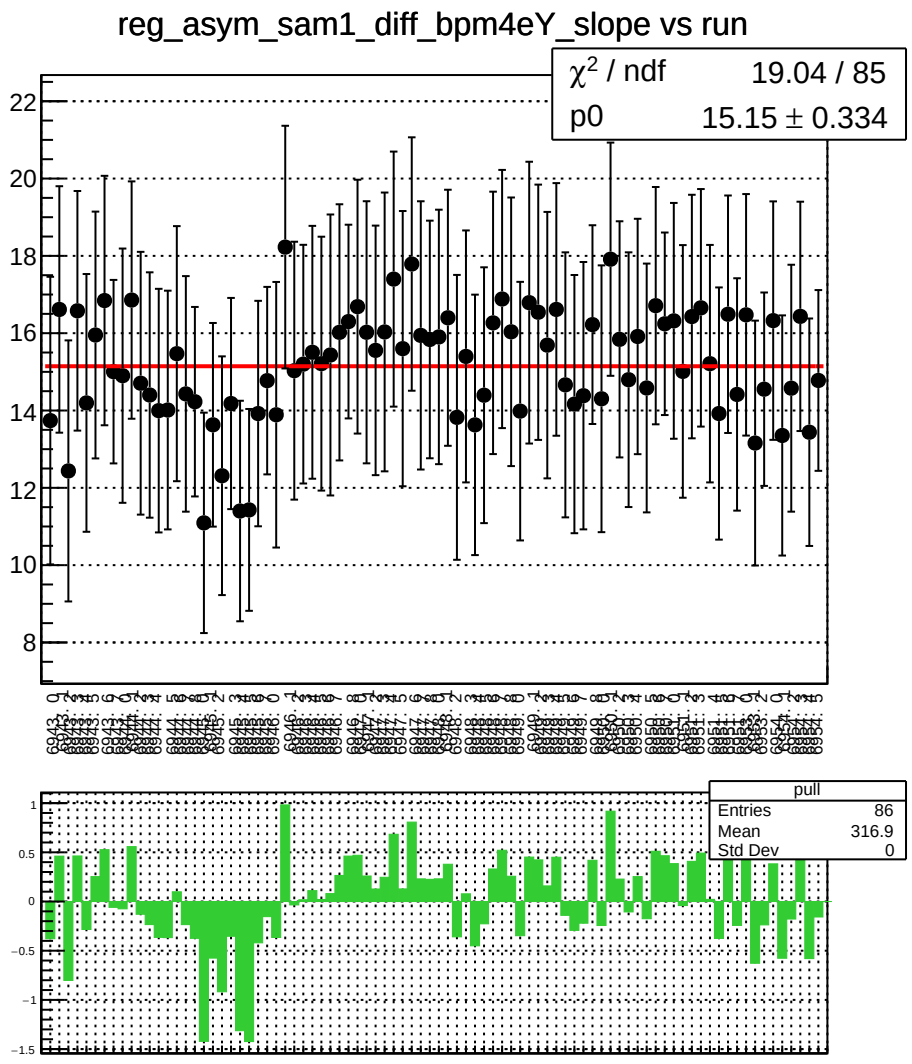

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 30.81 / 85
p0 −6.147 ± 0.4166
pull
Entries 86
Mean 75.03
Std Dev 0

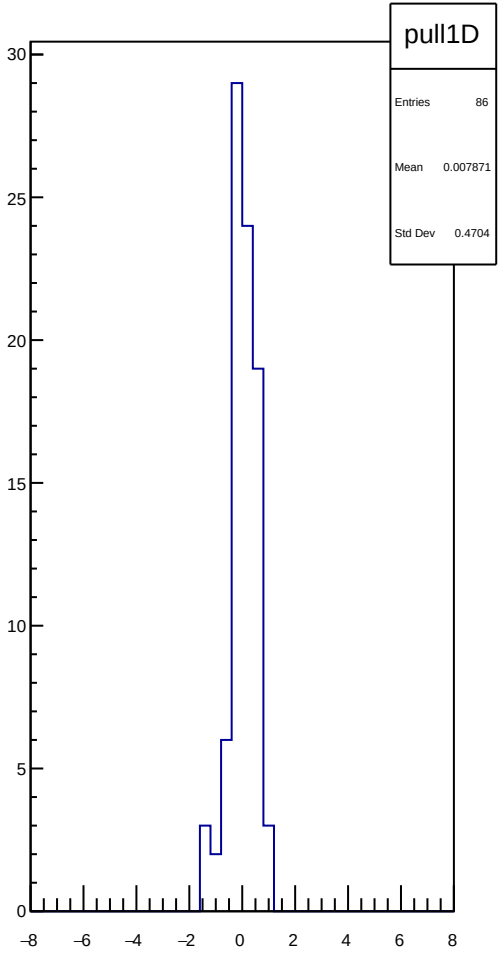

pull1D
Entries 86
Mean 0.0362
Std Dev 0.5975

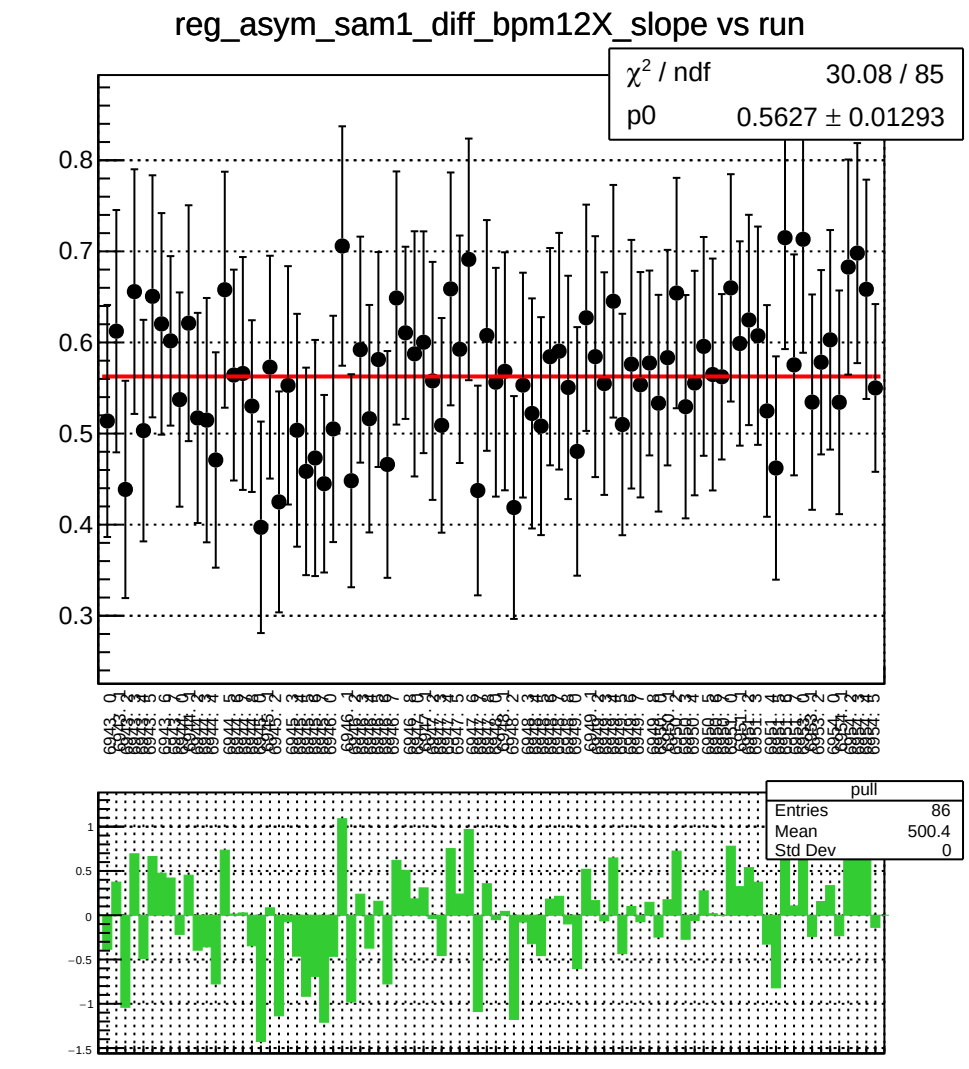

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 20.08 / 85
p0 −56.73 ± 0.2913
pull
Entries 86
Mean 1081
Std Dev 0

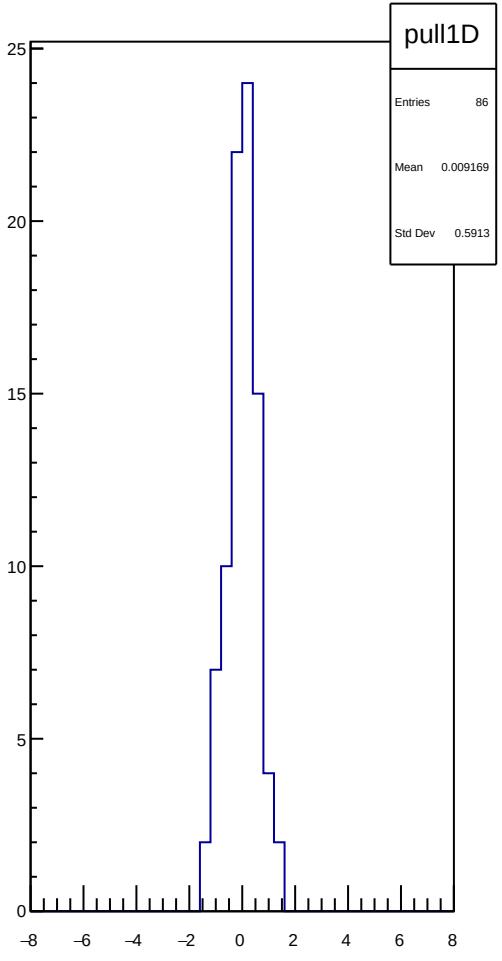

pull1D
Entries 86
Mean −0.002739
Std Dev 0.4832

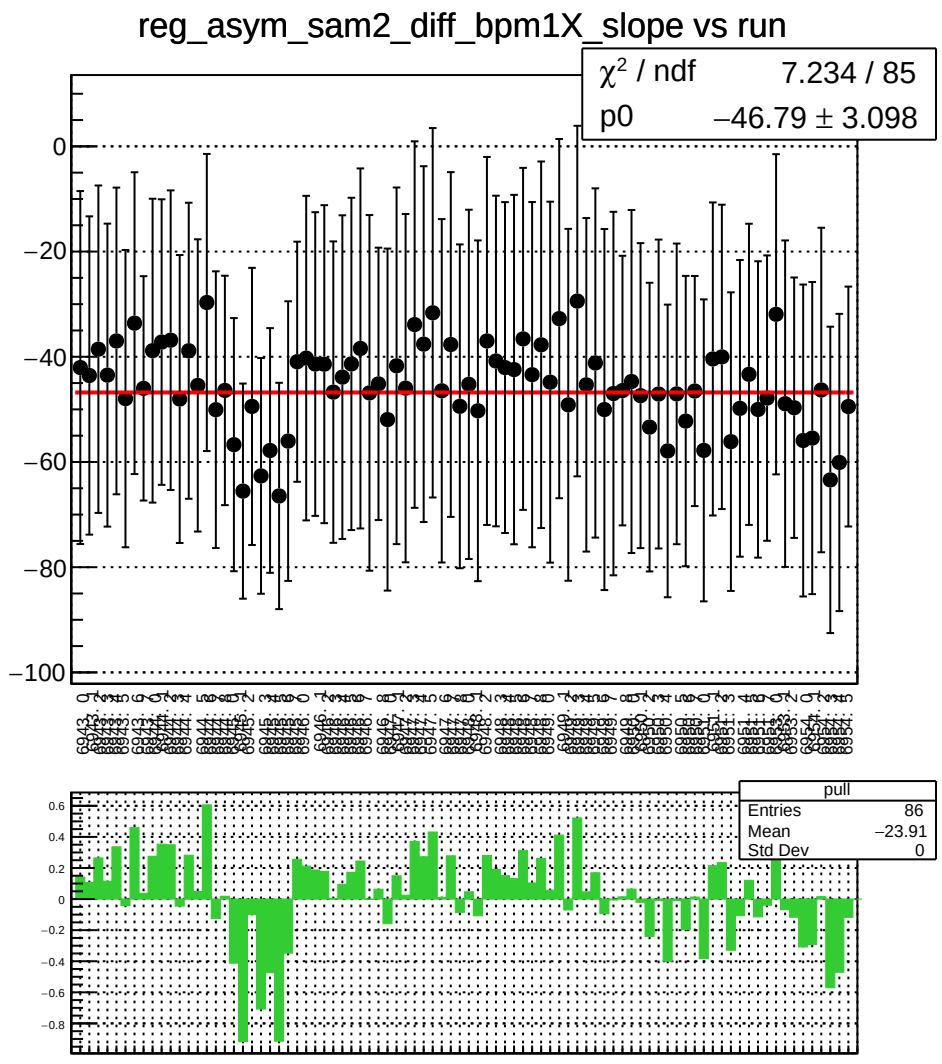

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 30.44 / 85
p0 −8.548 ± 0.3879
pull
Entries 86
Mean 75.57
Std Dev 0
pull1D
Entries 86
Mean −0.03518
Std Dev 0.5939

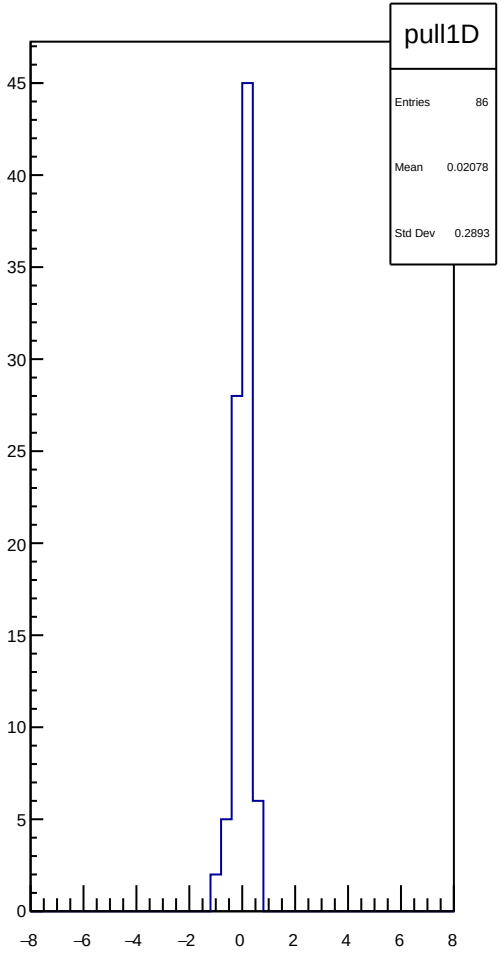

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 19.04 / 85
p0 15.15 ± 0.334
pull
Entries 86
Mean 316.9
Std Dev 0

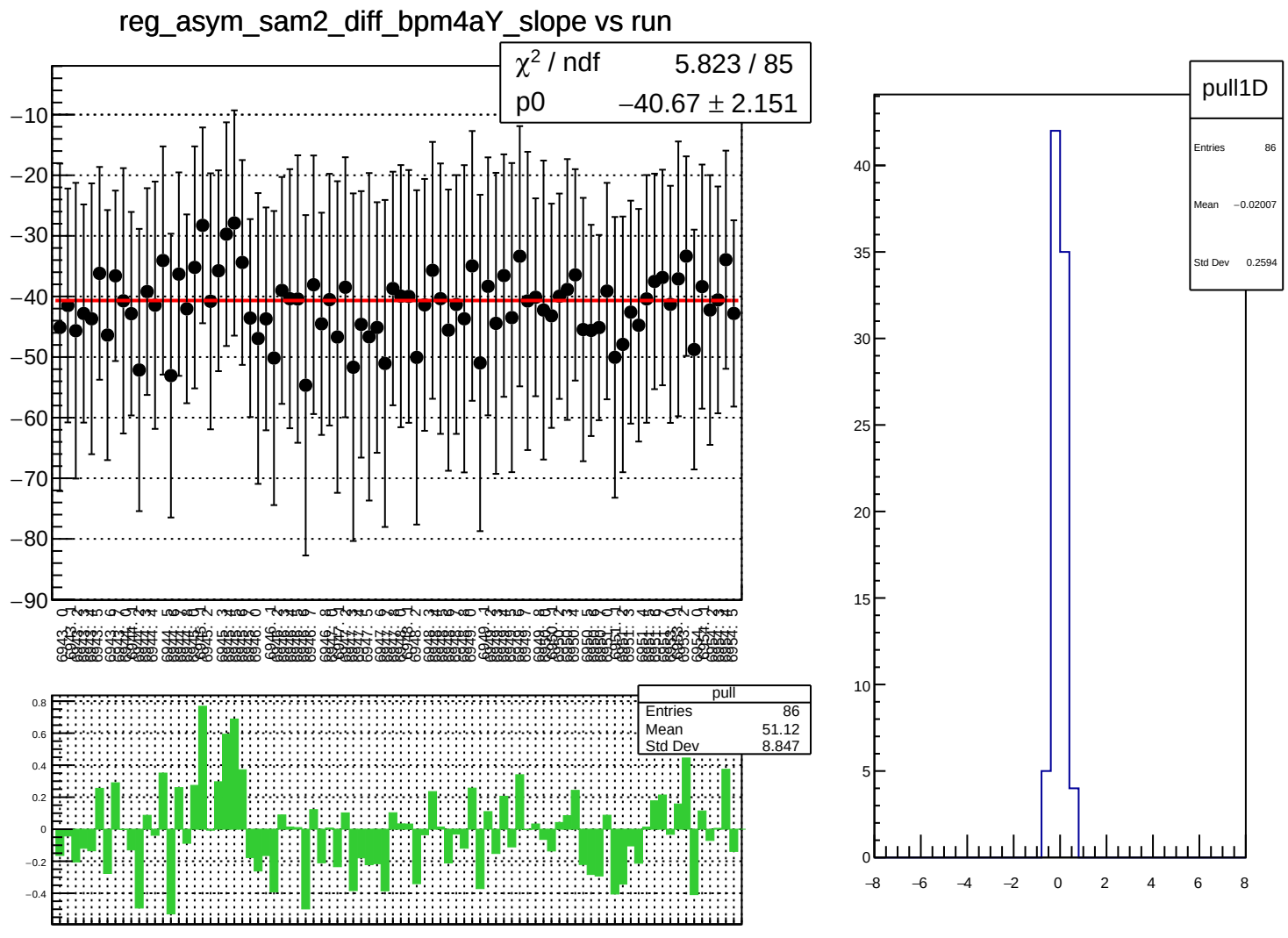

pull1D
Entries 86
Mean 0.007871
Std Dev 0.4704

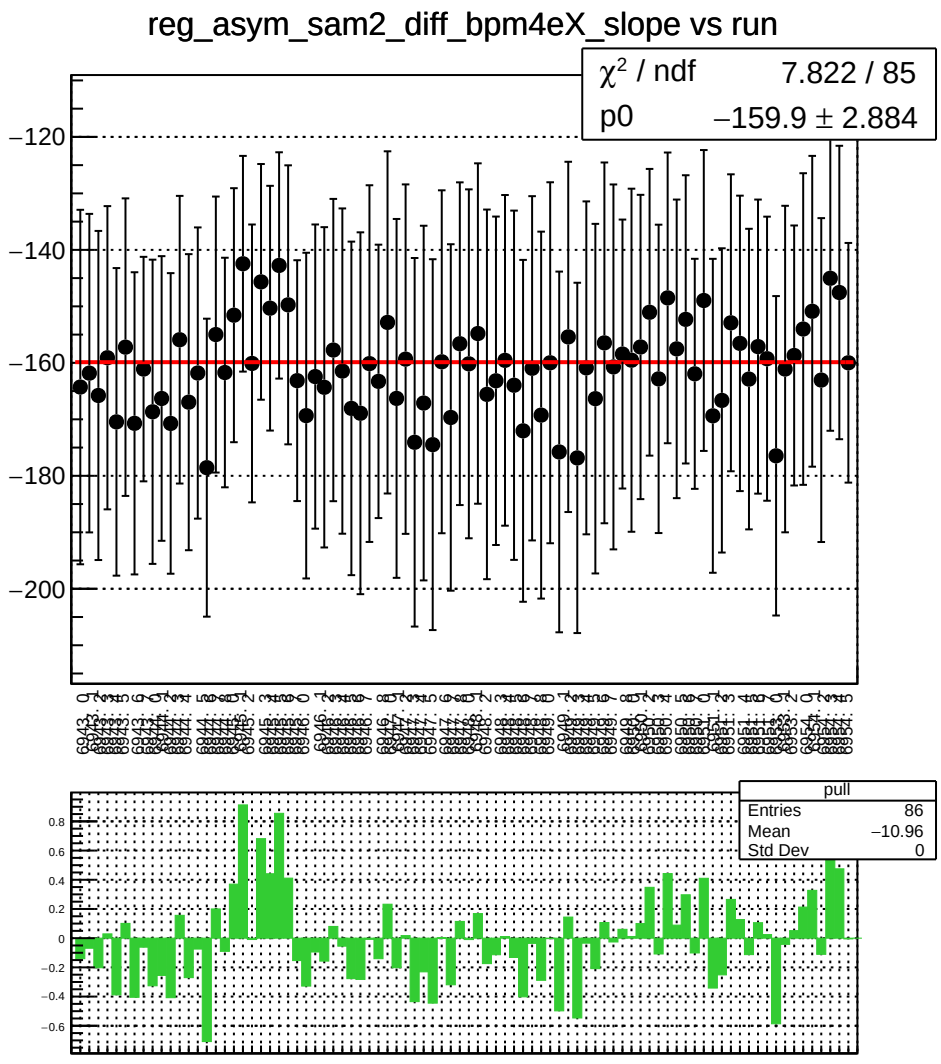

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 30.08 / 85
p0 0.5627 ± 0.01293
pull
Entries 86
Mean 500.4
Std Dev 0

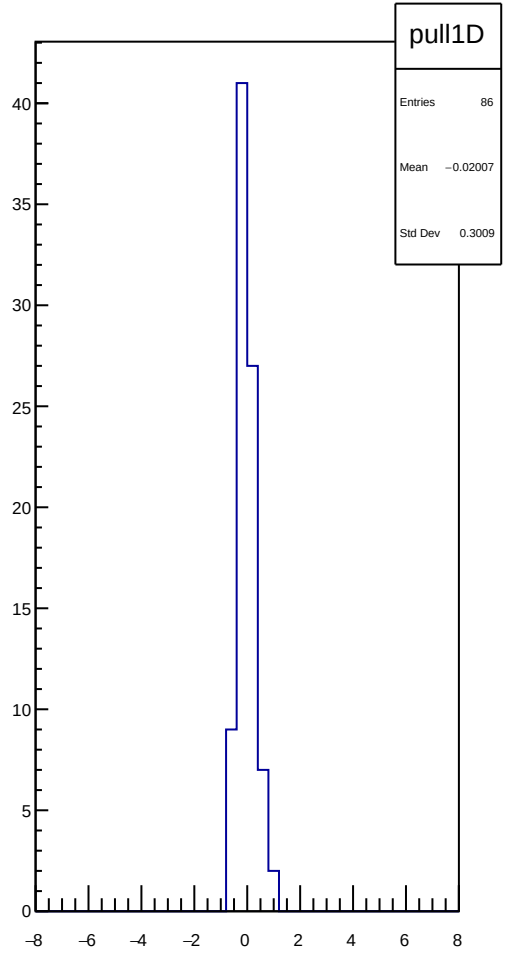

pull1D
Entries 86
Mean 0.009169
Std Dev 0.5913

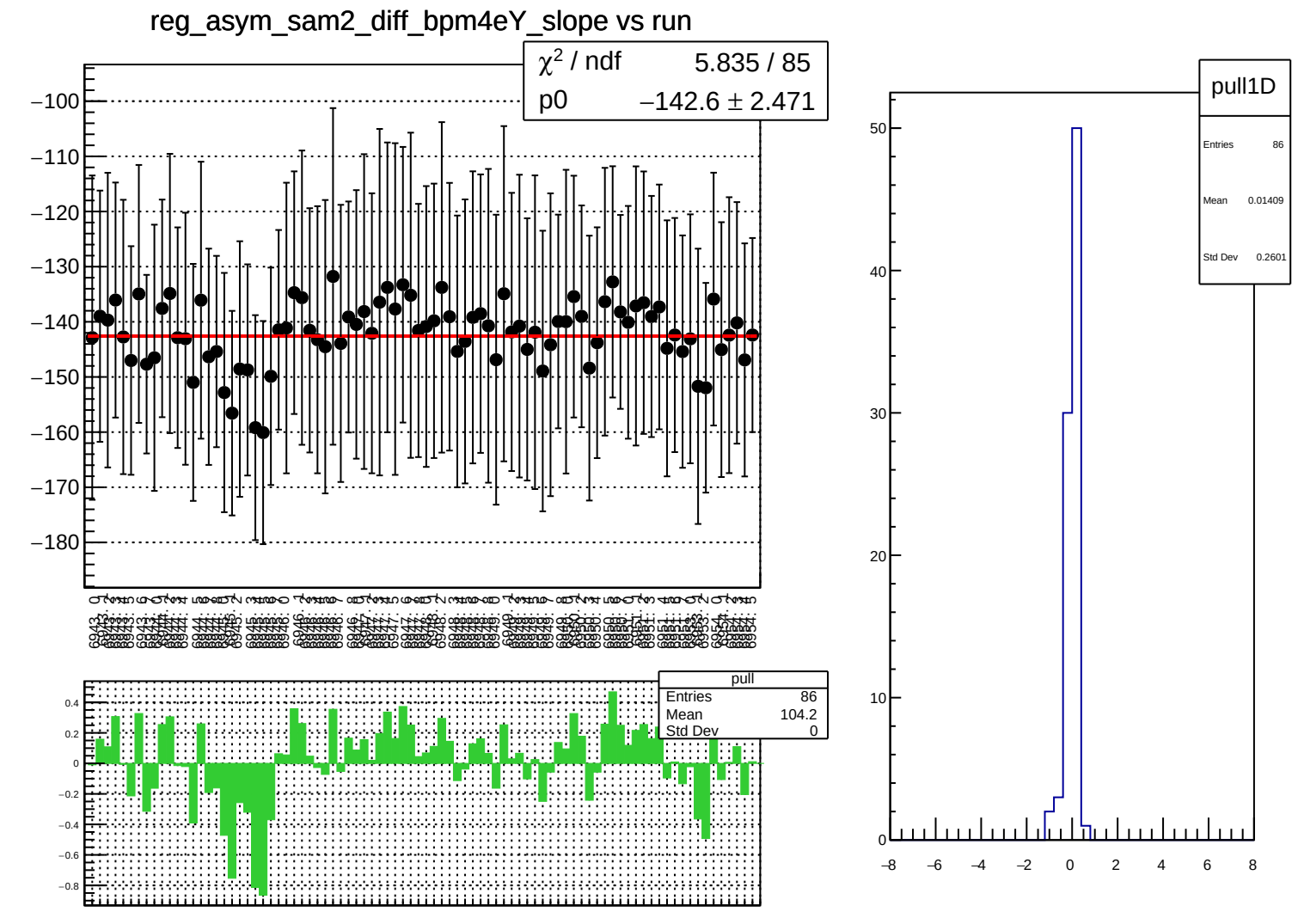

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 7.234 / 85
p0 −46.79 ± 3.098
pull
Entries 86
Mean −23.91
Std Dev 0

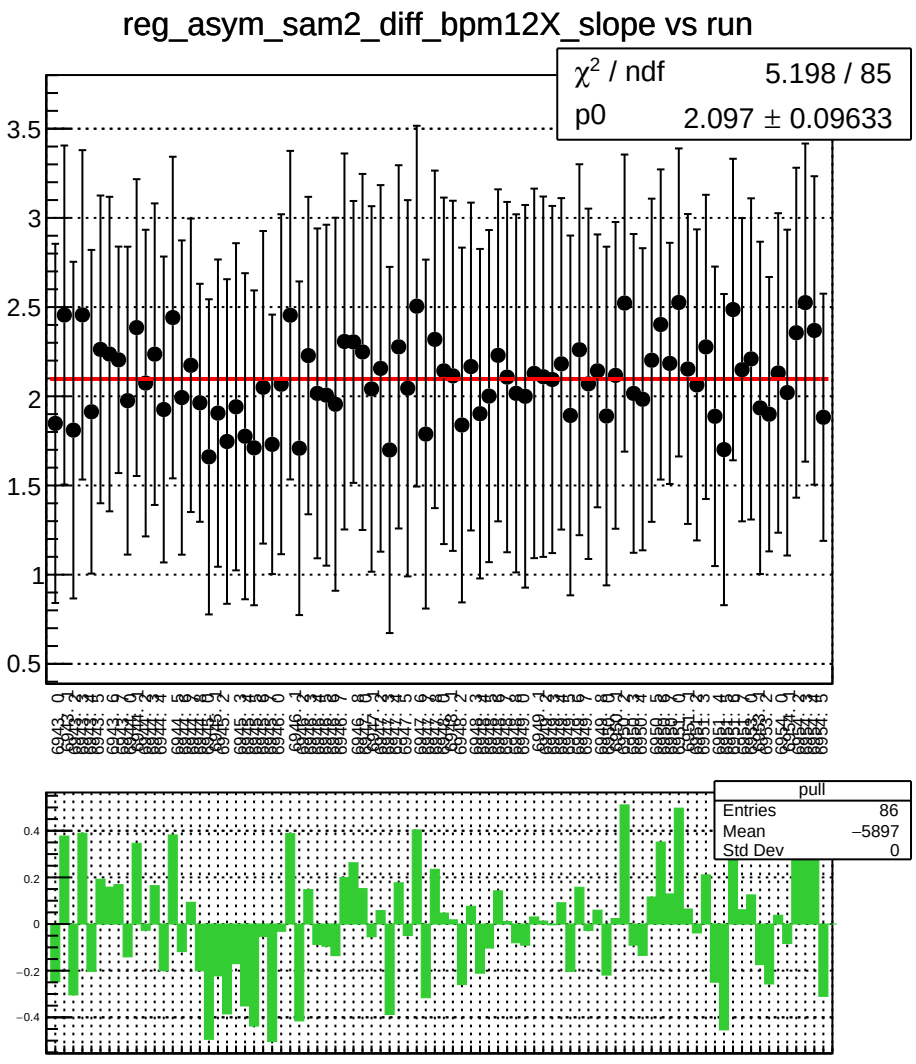

pull1D
Entries 86
Mean 0.02078
Std Dev 0.2893

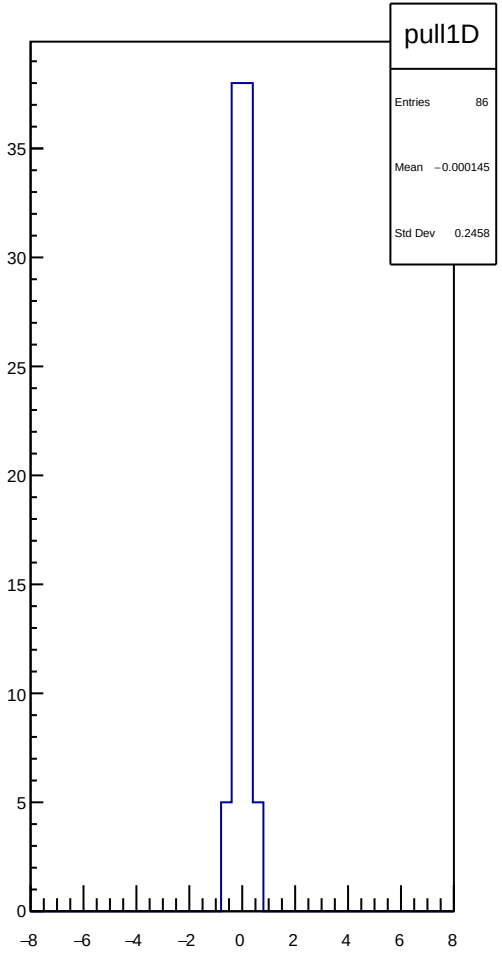

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 5.823 / 85
p0 −40.67 ± 2.151
pull
Entries 86
Mean 51.12
Std Dev 8.847
pull1D
Entries 86
Mean −0.02007
Std Dev 0.2594

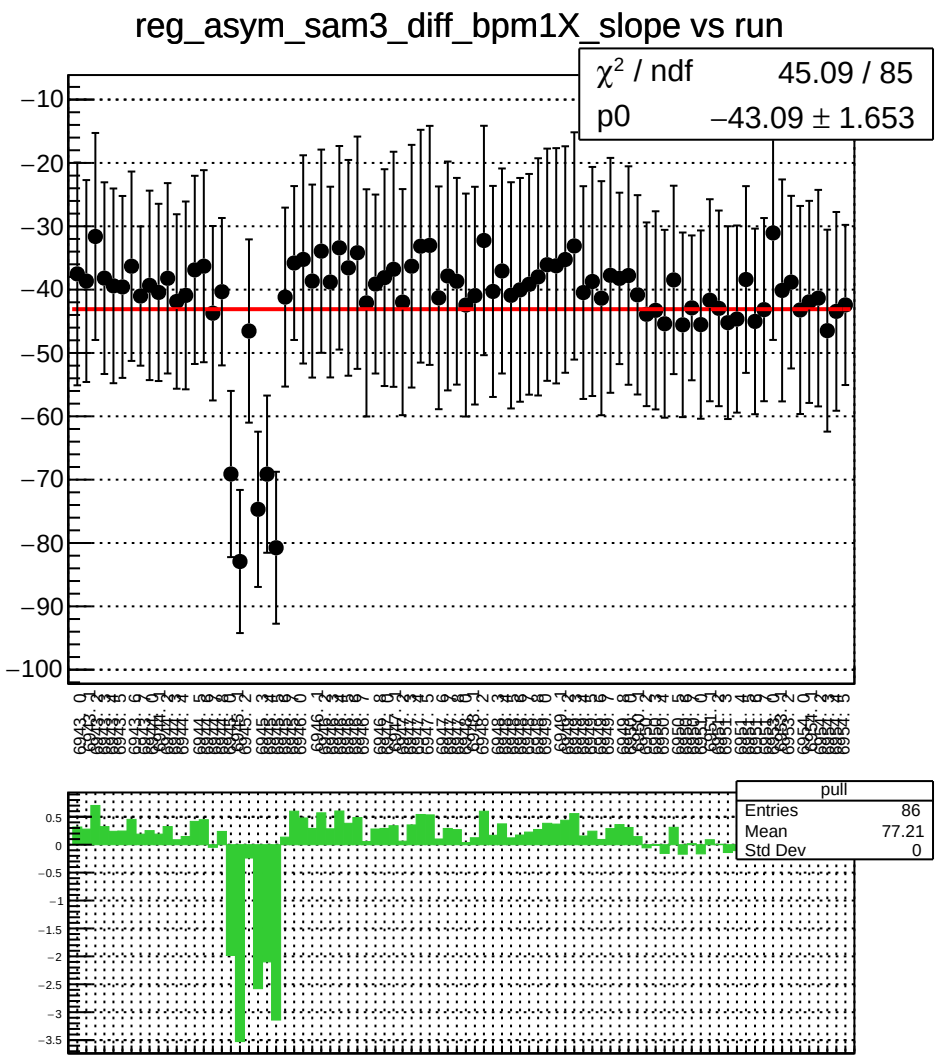

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.822 / 85
p0 −159.9 ± 2.884
−120
−140
−160
−180
−200
pull
Entries 86
Mean −10.96
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

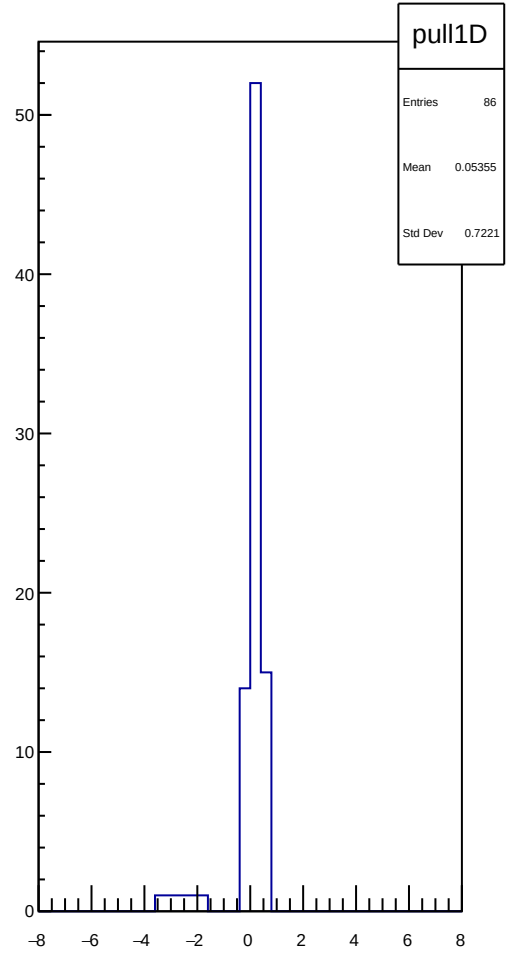

pull1D
Entries 86
Mean −0.02007
Std Dev 0.3009
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

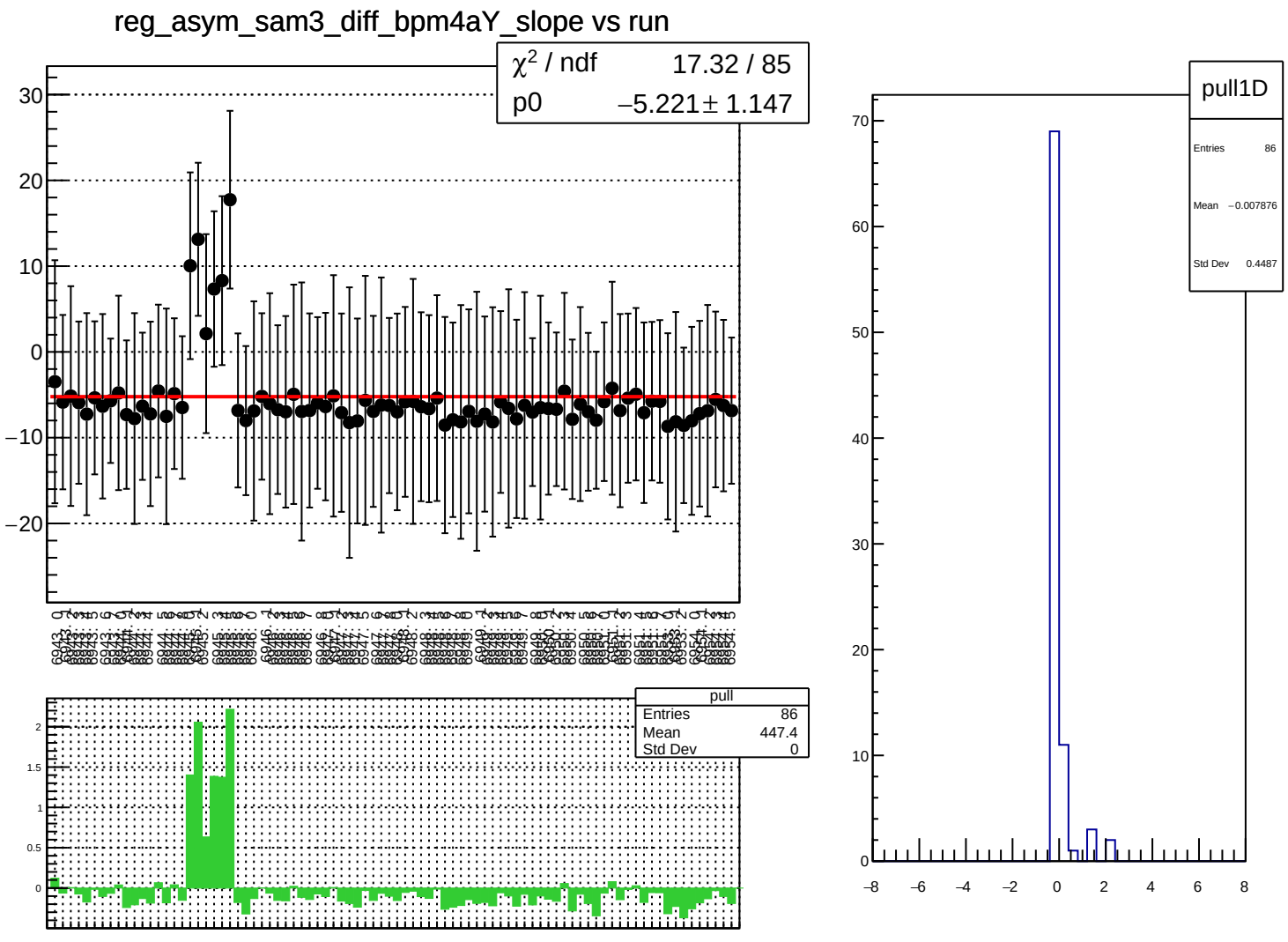

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 5.835 / 85
p0 −142.6 ± 2.471
pull
Entries 86
Mean 104.2
Std Dev 0
pull1D
Entries 86
Mean 0.01409
Std Dev 0.2601

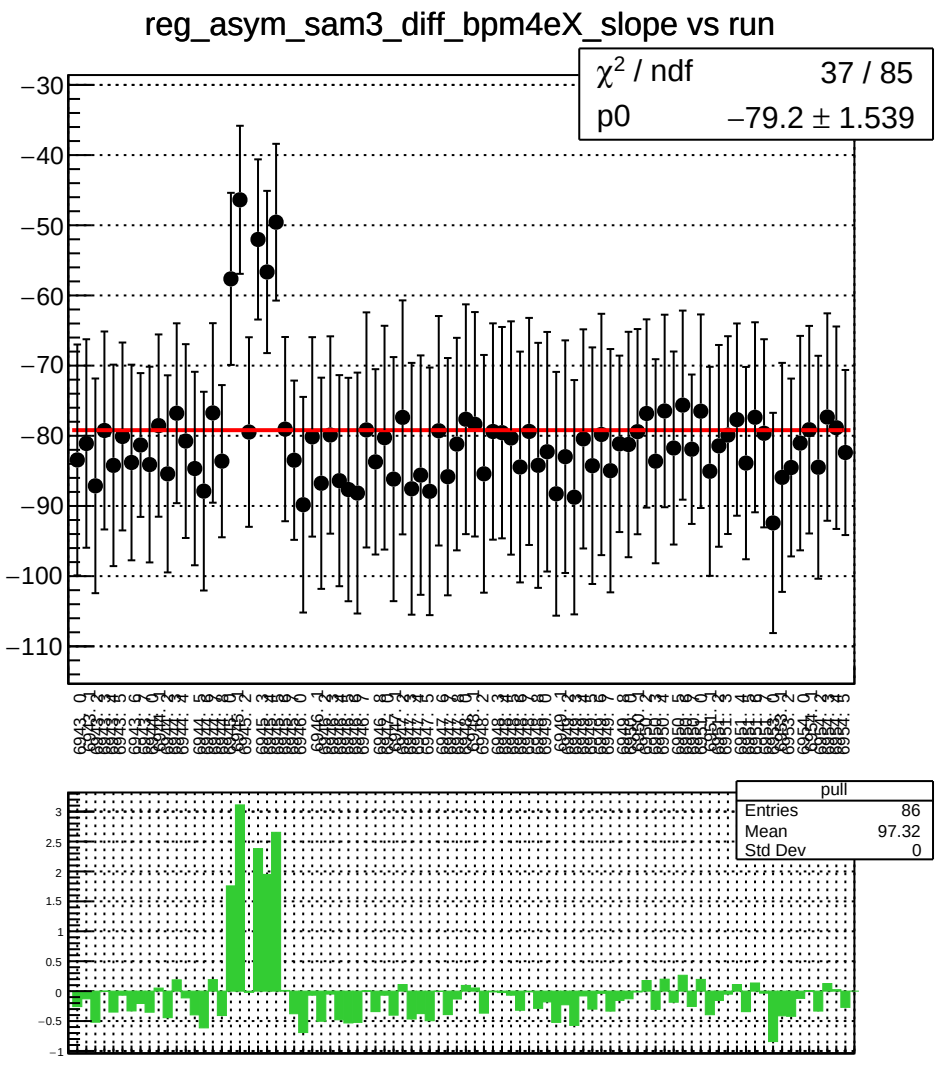

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 5.198 / 85
p0 2.097 ± 0.09633
pull
Entries 86
Mean −5897
Std Dev 0

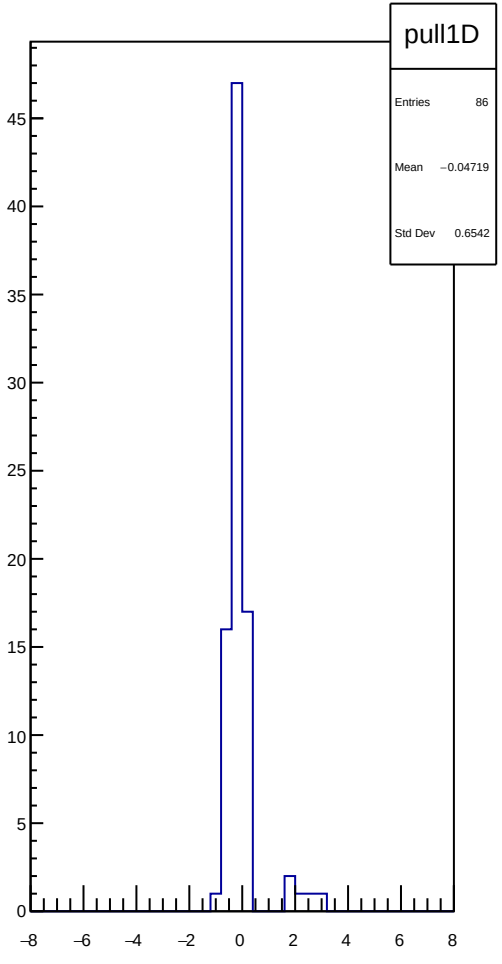

pull1D
Entries 86
Mean −0.000145
Std Dev 0.2458

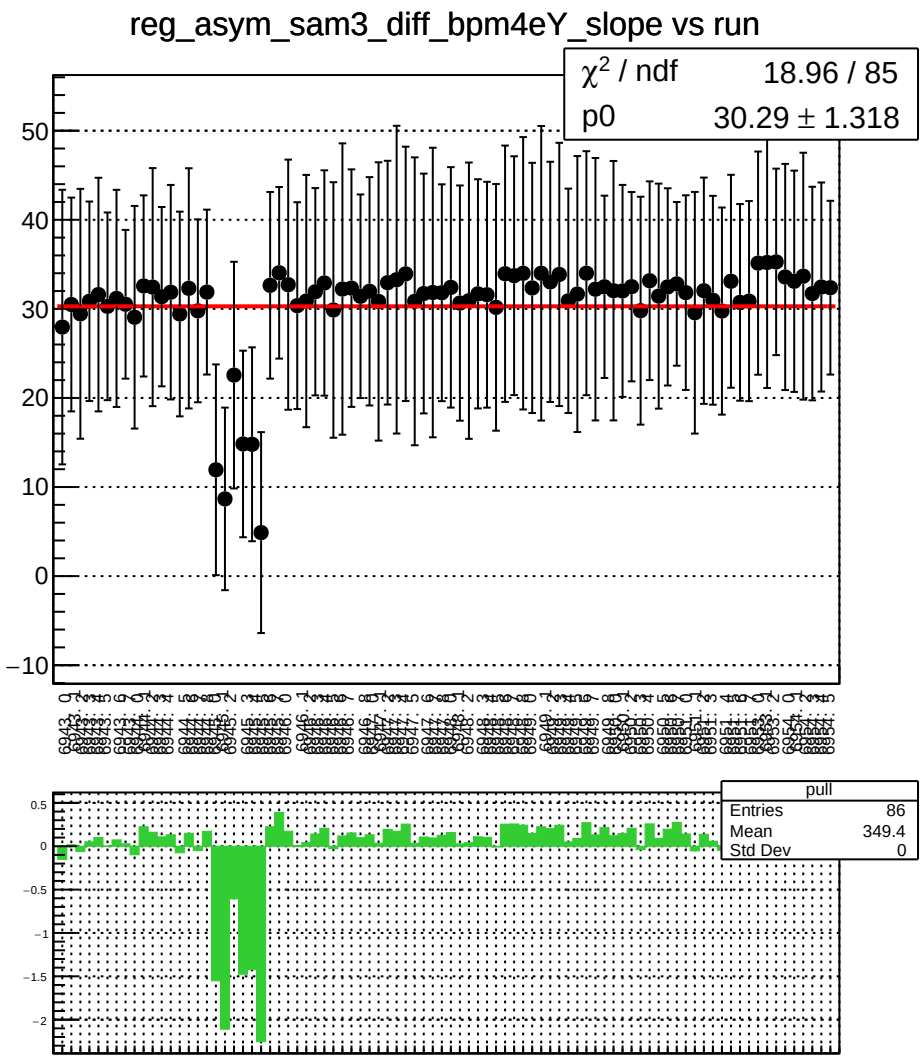

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 45.09 / 85
p0 −43.09 ± 1.653
pull
Entries 86
Mean 77.21
Std Dev 0

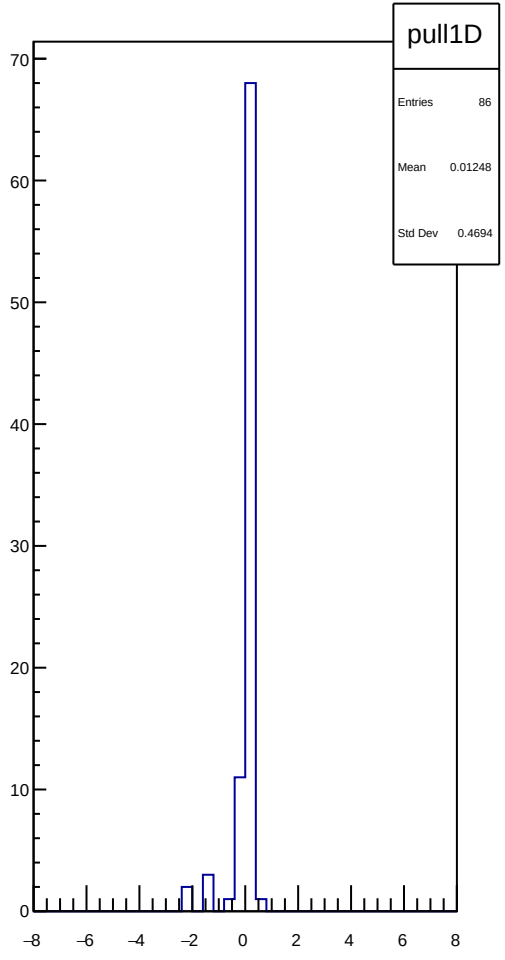

pull1D
Entries 86
Mean 0.05355
Std Dev 0.7221

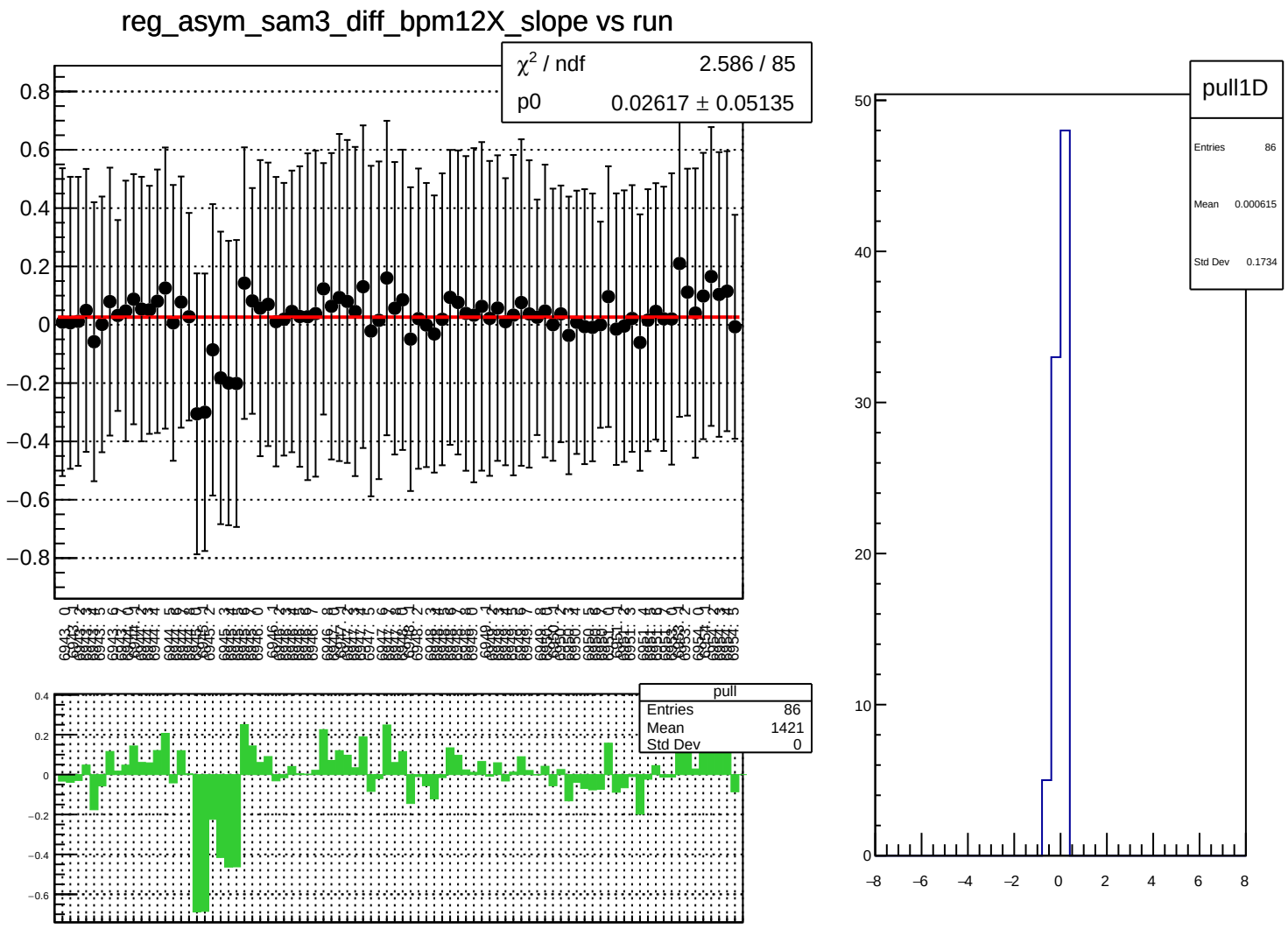

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 17.32 / 85
p0 −5.221 ± 1.147
pull
Entries 86
Mean 447.4
Std Dev 0
pull1D
Entries 86
Mean −0.007876
Std Dev 0.4487

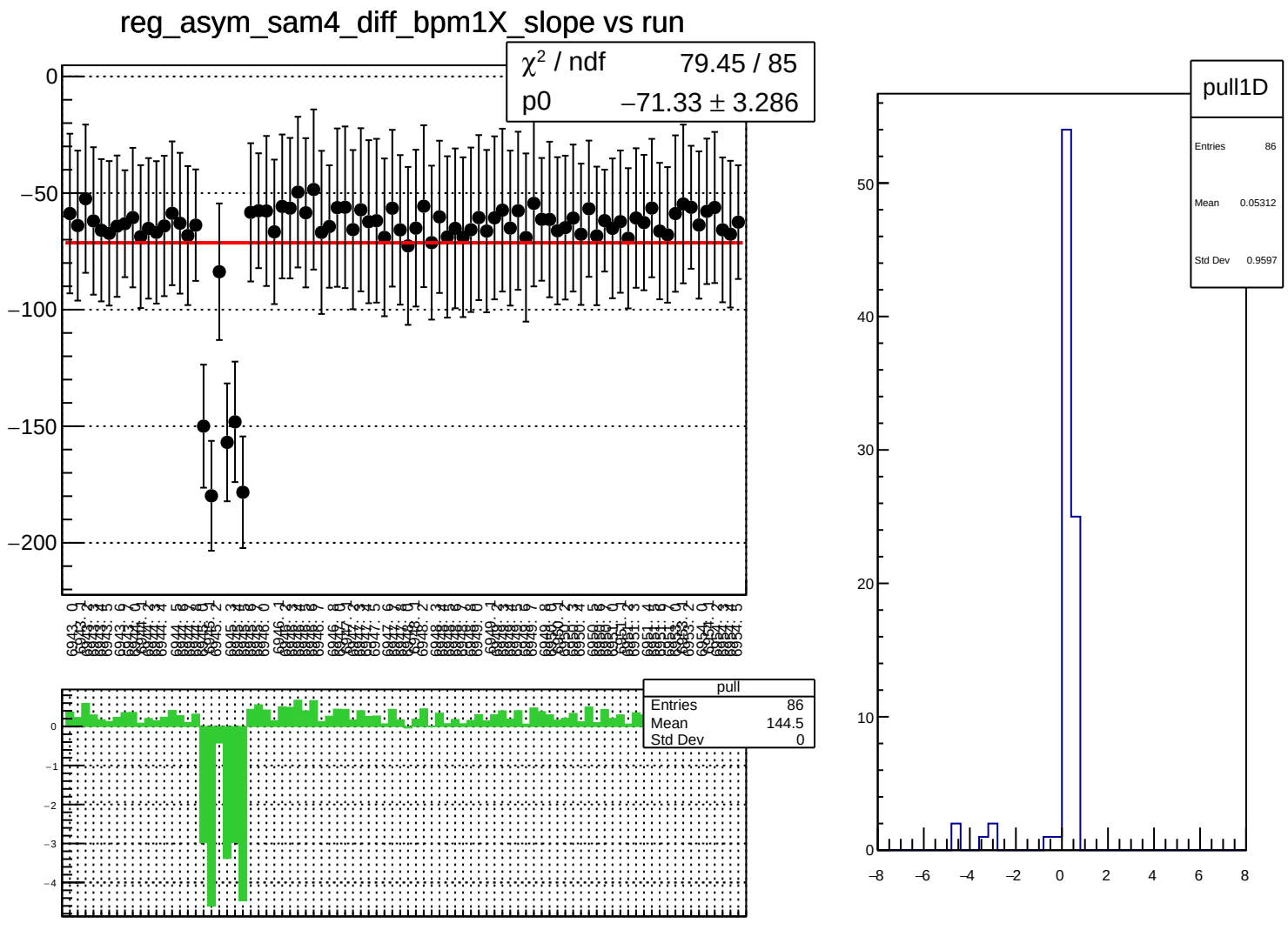

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 37 / 85
p0 −79.2 ± 1.539
pull
Entries 86
Mean 97.32
Std Dev 0

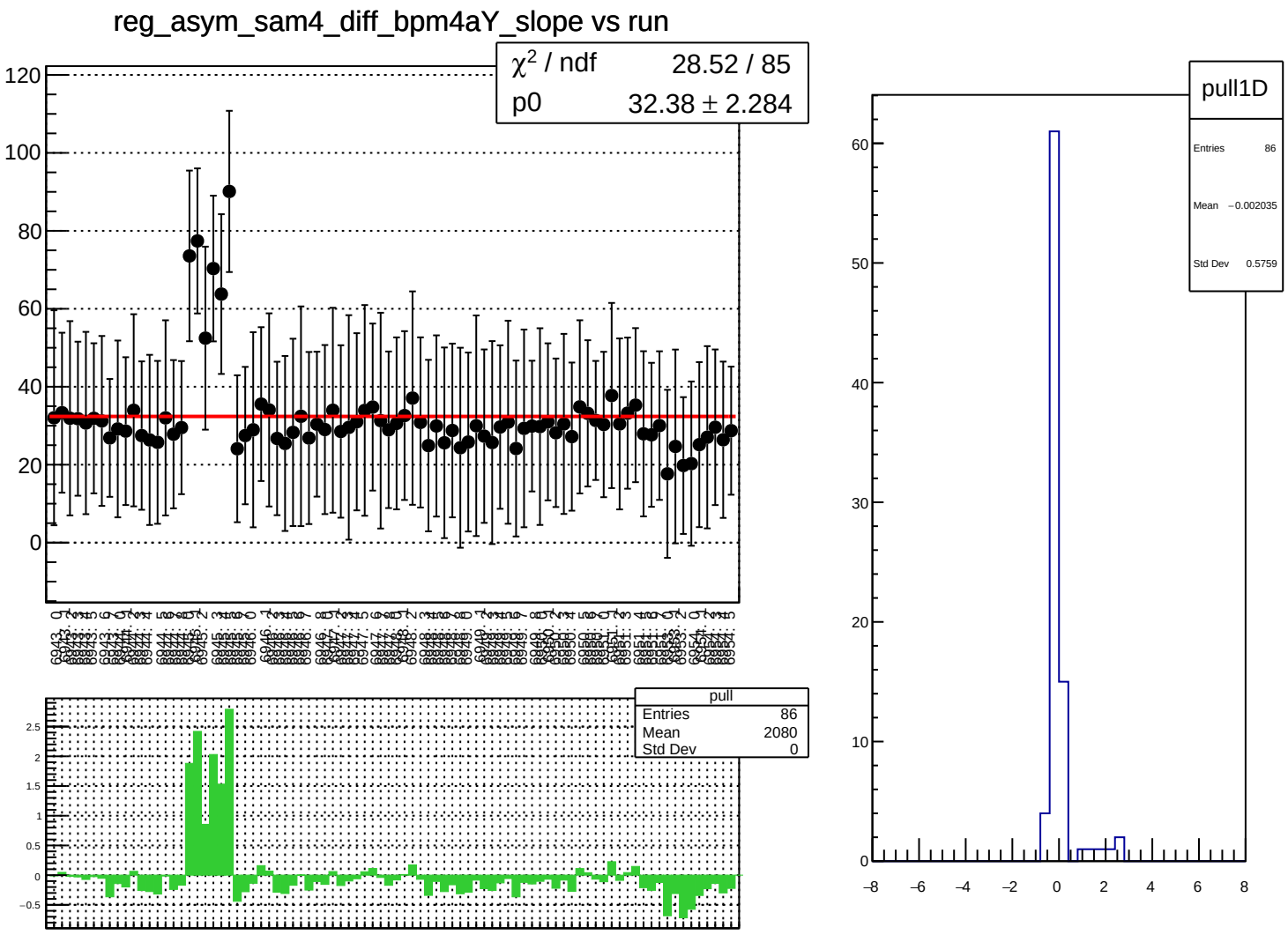

pull1D
Entries 86
Mean −0.04719
Std Dev 0.6542

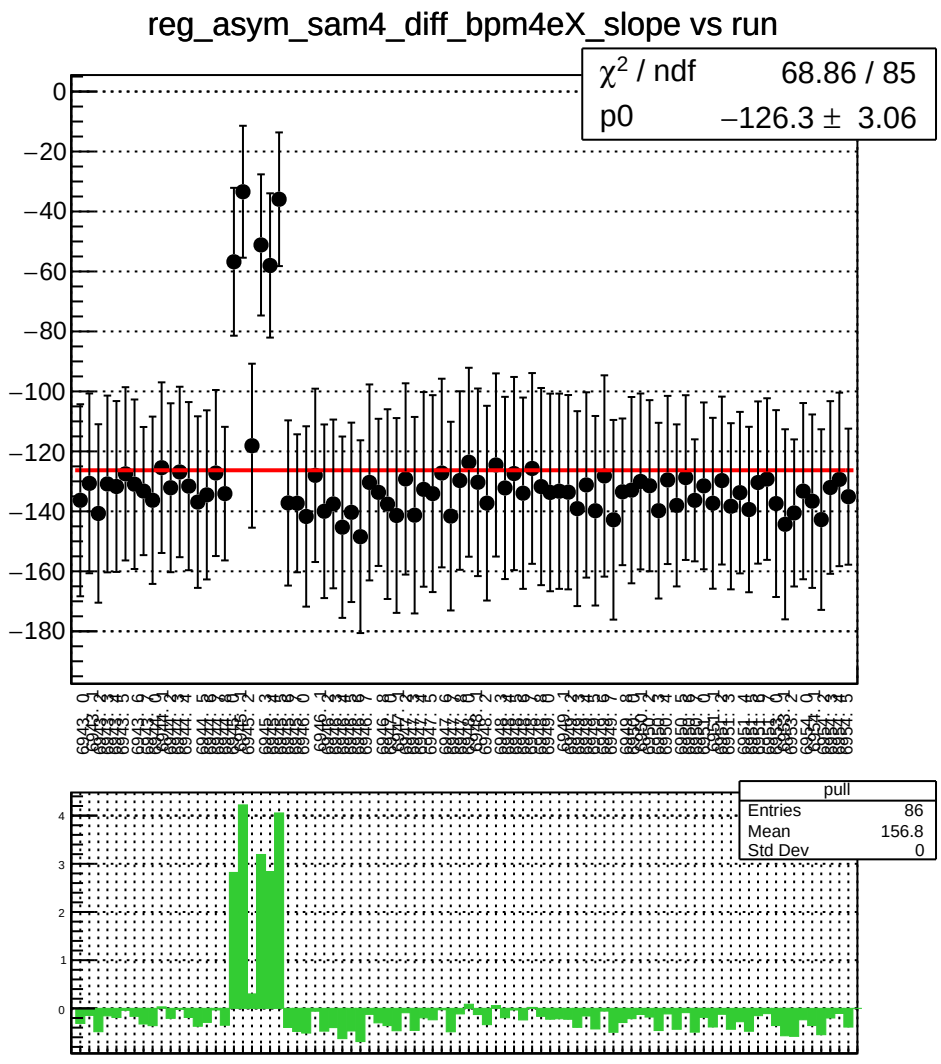

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 18.96 / 85
p0 30.29 ± 1.318
pull
Entries 86
Mean 349.4
Std Dev 0

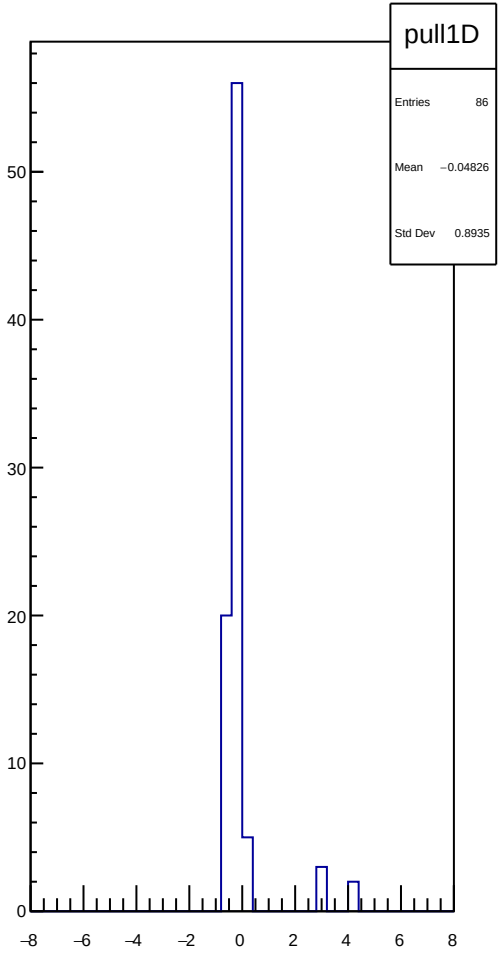

pull1D
Entries 86
Mean 0.01248
Std Dev 0.4694

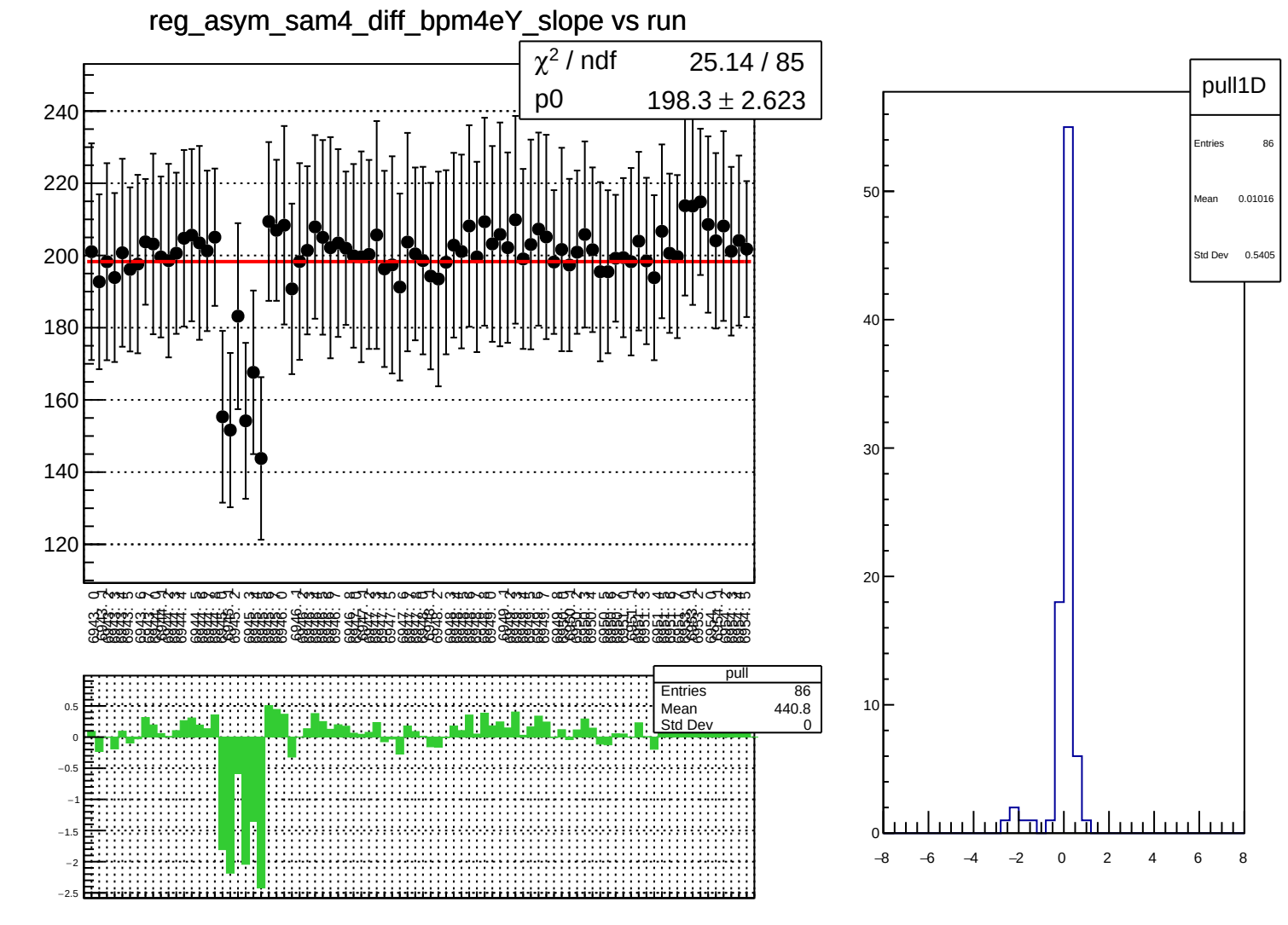

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.586 / 85
p0 0.02617 ± 0.05135
pull
Entries 86
Mean 1421
Std Dev 0
pull1D
Entries 86
Mean 0.000615
Std Dev 0.1734

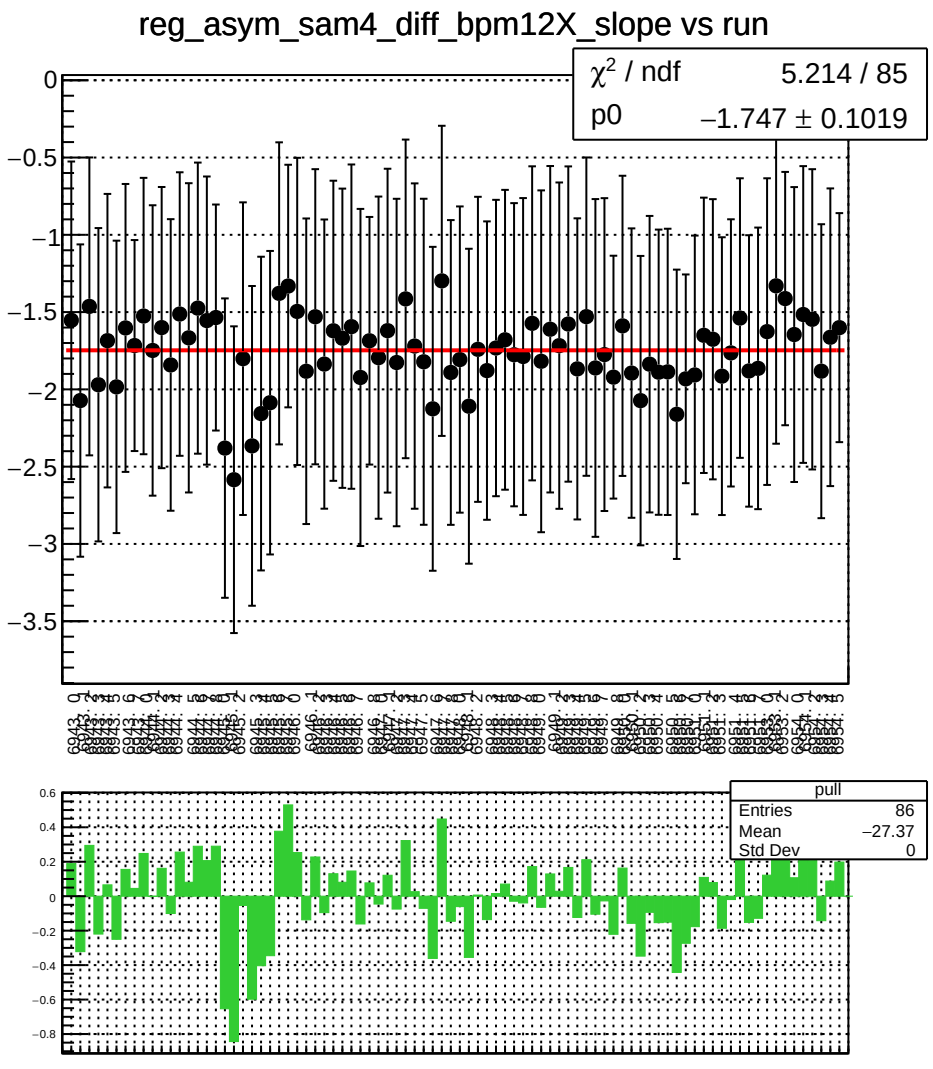

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 79.45 / 85
p0 −71.33 ± 3.286
pull
Entries 86
Mean 144.5
Std Dev 0
pull1D
Entries 86
Mean 0.05312
Std Dev 0.9597

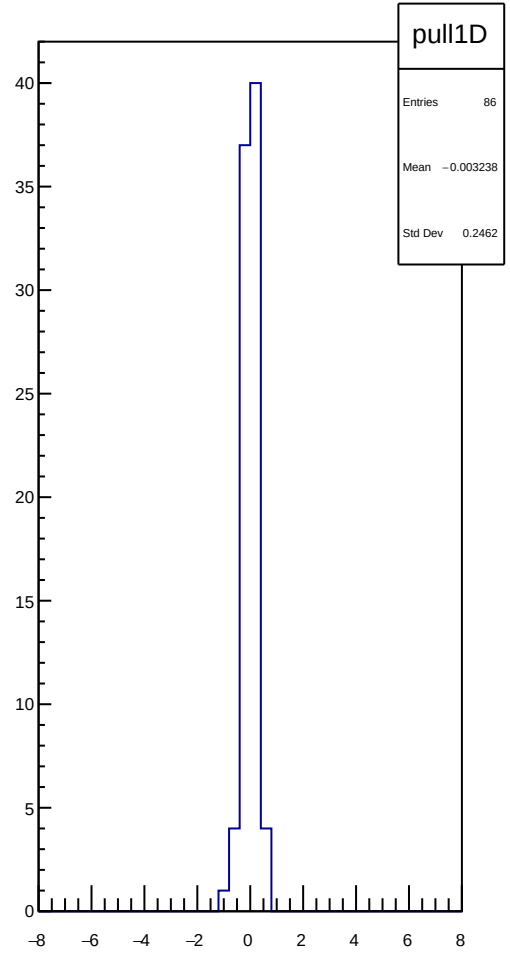

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 28.52 / 85
p0 32.38 ± 2.284
pull
Entries 86
Mean 2080
Std Dev 0
pull1D
Entries 86
Mean −0.002035
Std Dev 0.5759

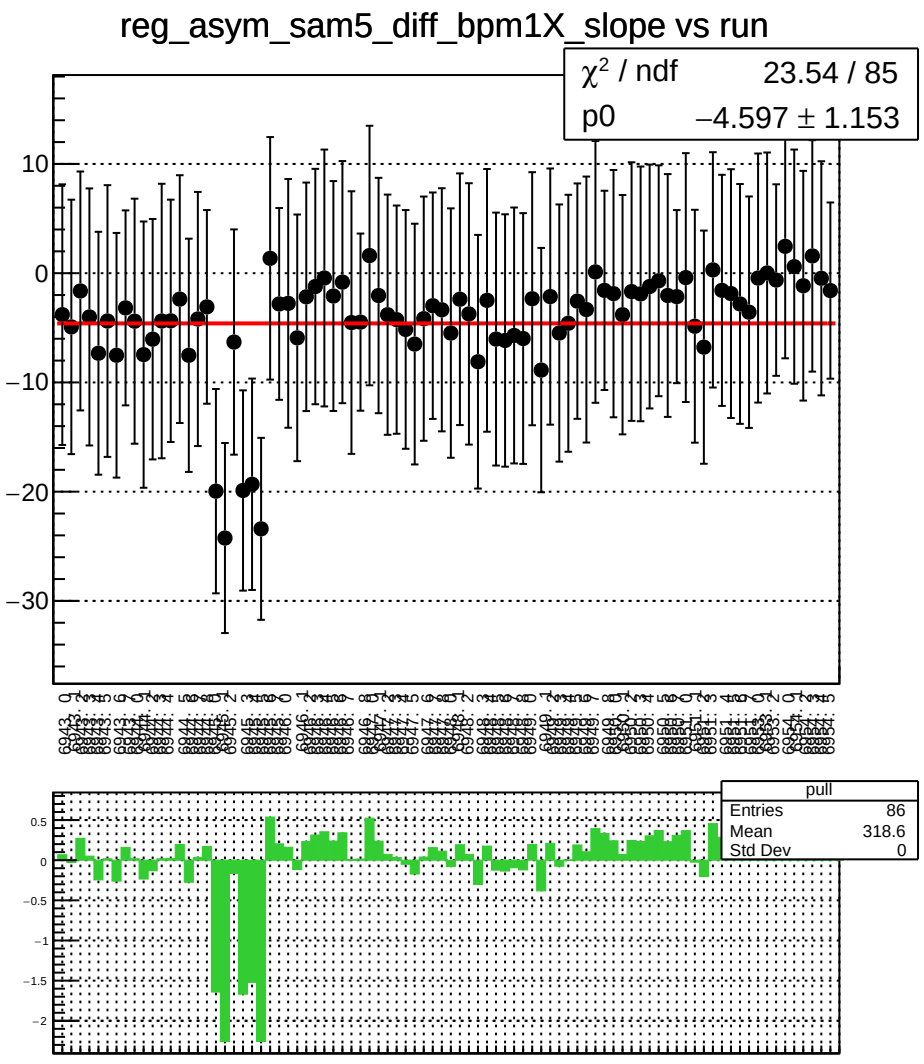

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 68.86 / 85
p0 −126.3 ± 3.06
pull
Entries 86
Mean 156.8
Std Dev 0

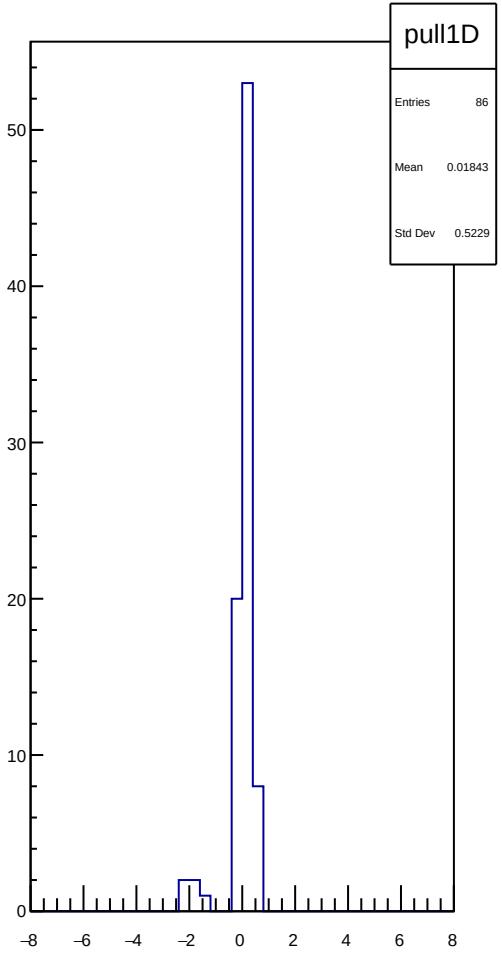

pull1D
Entries 86
Mean −0.04826
Std Dev 0.8935

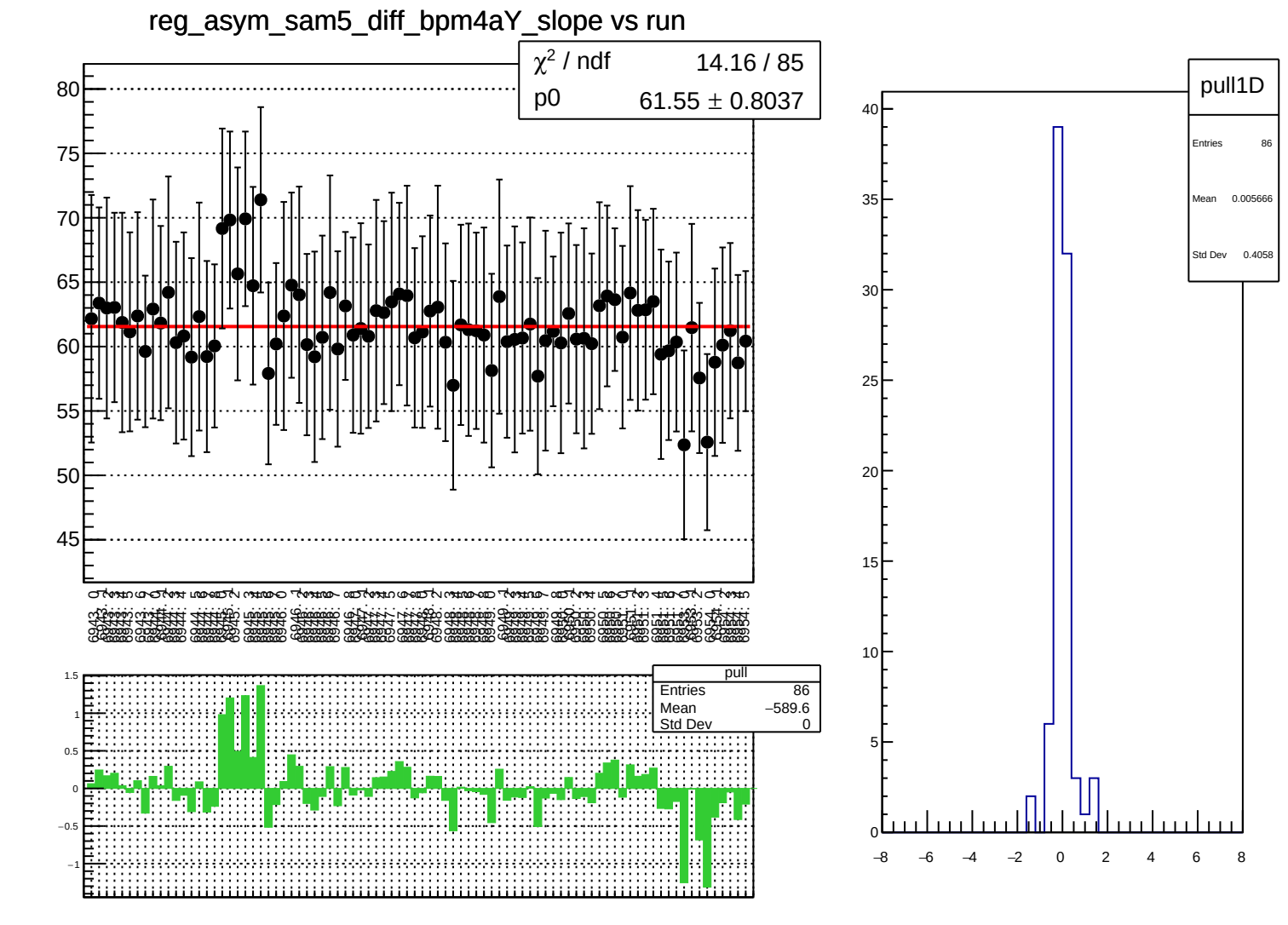

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 25.14 / 85
p0 198.3 ± 2.623
240
220
200
180
160
140
120
pull
Entries 86
Mean 440.8
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean 0.01016
Std Dev 0.5405
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

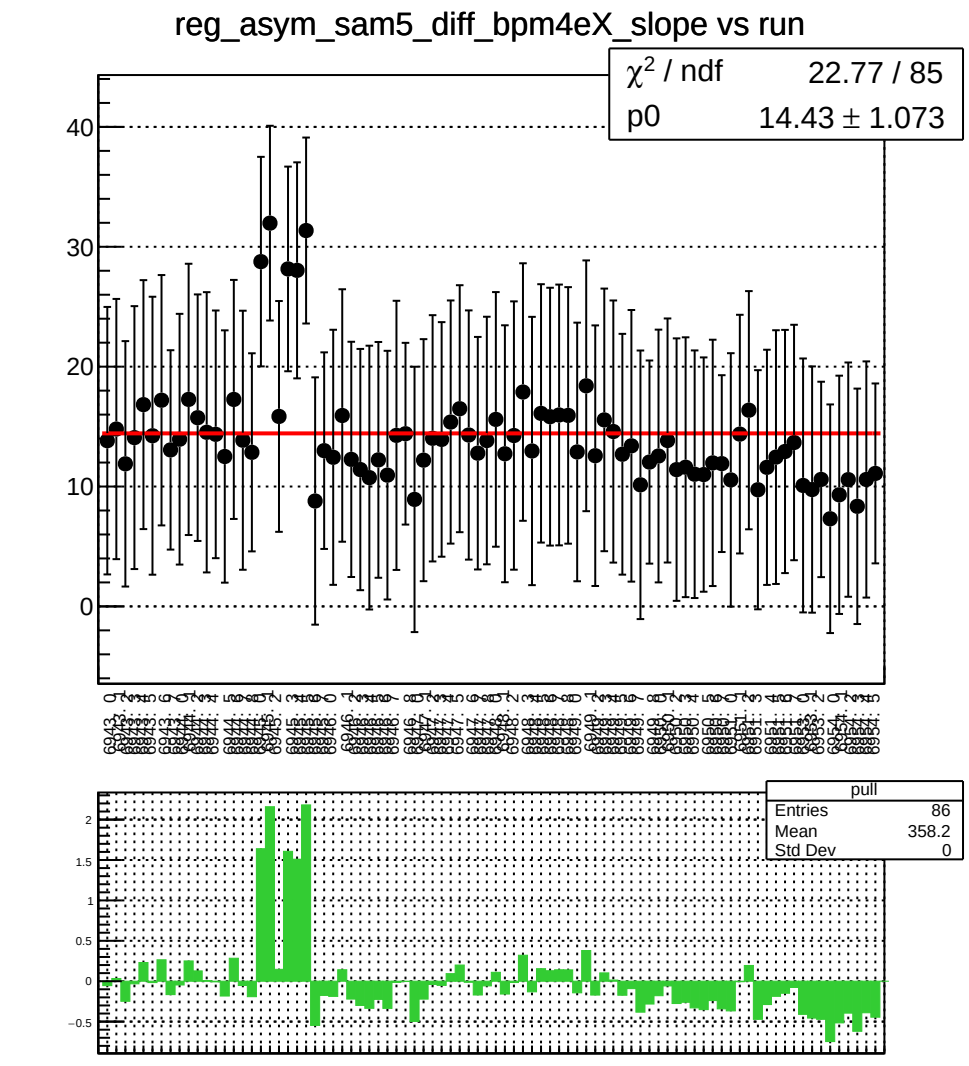

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 5.214 / 85
p0 −1.747 ± 0.1019
pull
Entries 86
Mean −27.37
Std Dev 0

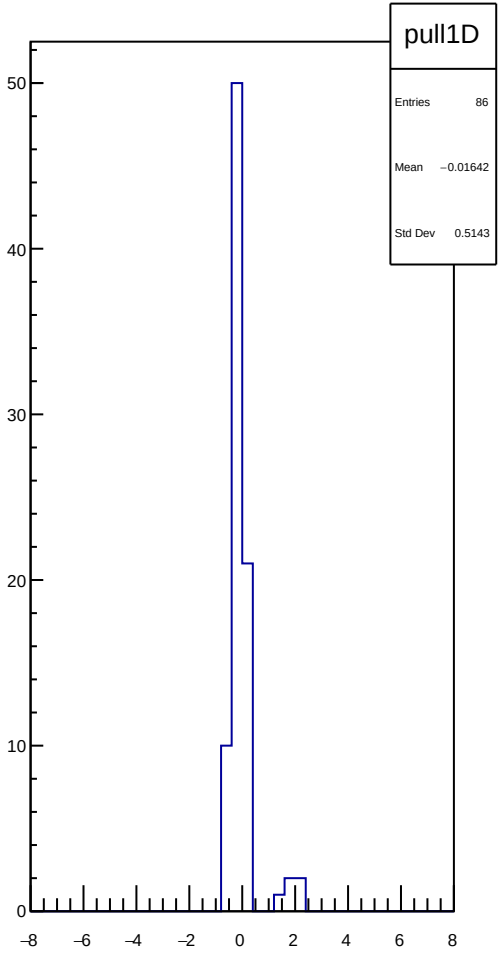

pull1D
Entries 86
Mean −0.003238
Std Dev 0.2462

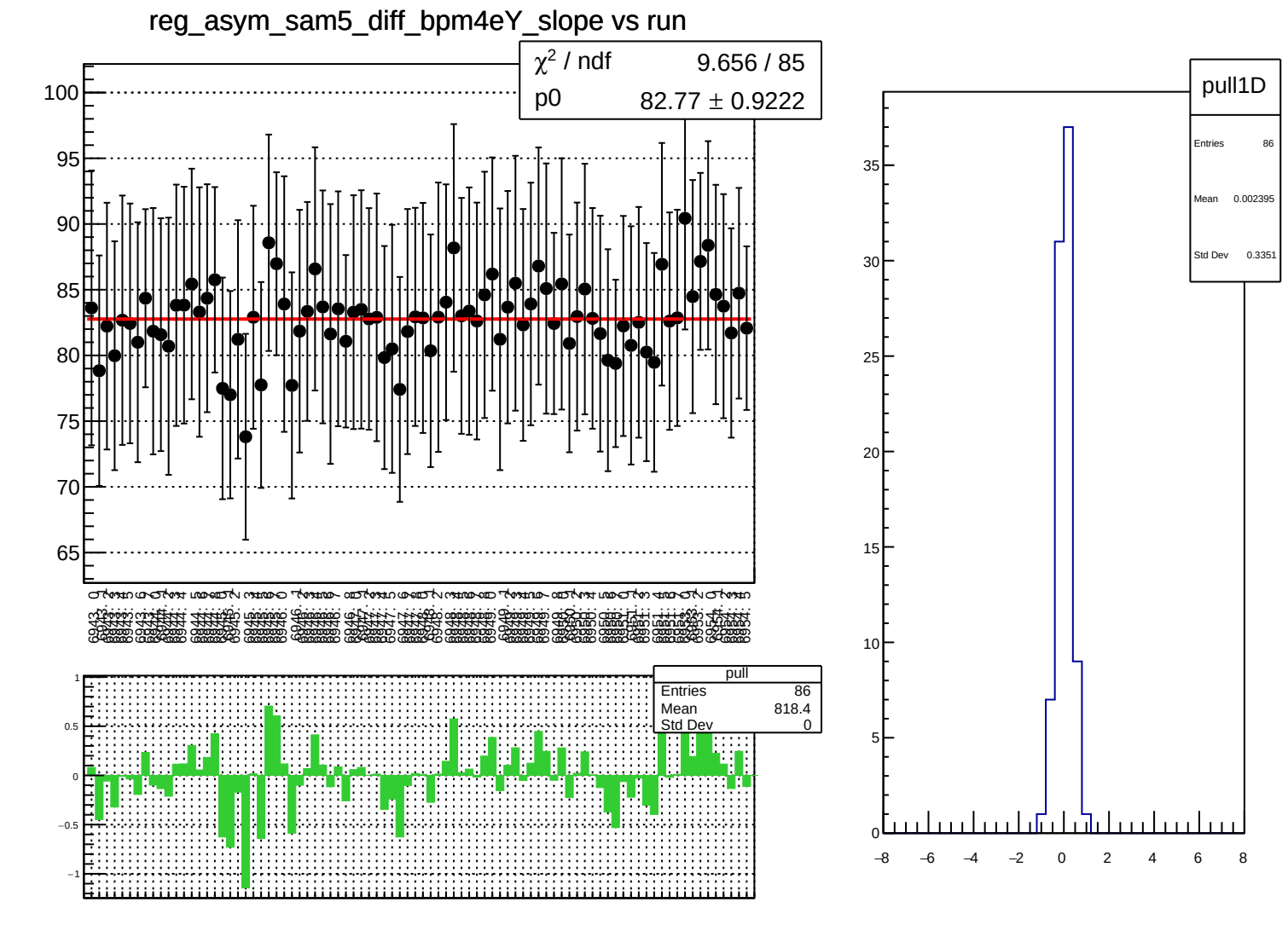

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 23.54 / 85
p0 −4.597 ± 1.153
pull
Entries 86
Mean 318.6
Std Dev 0

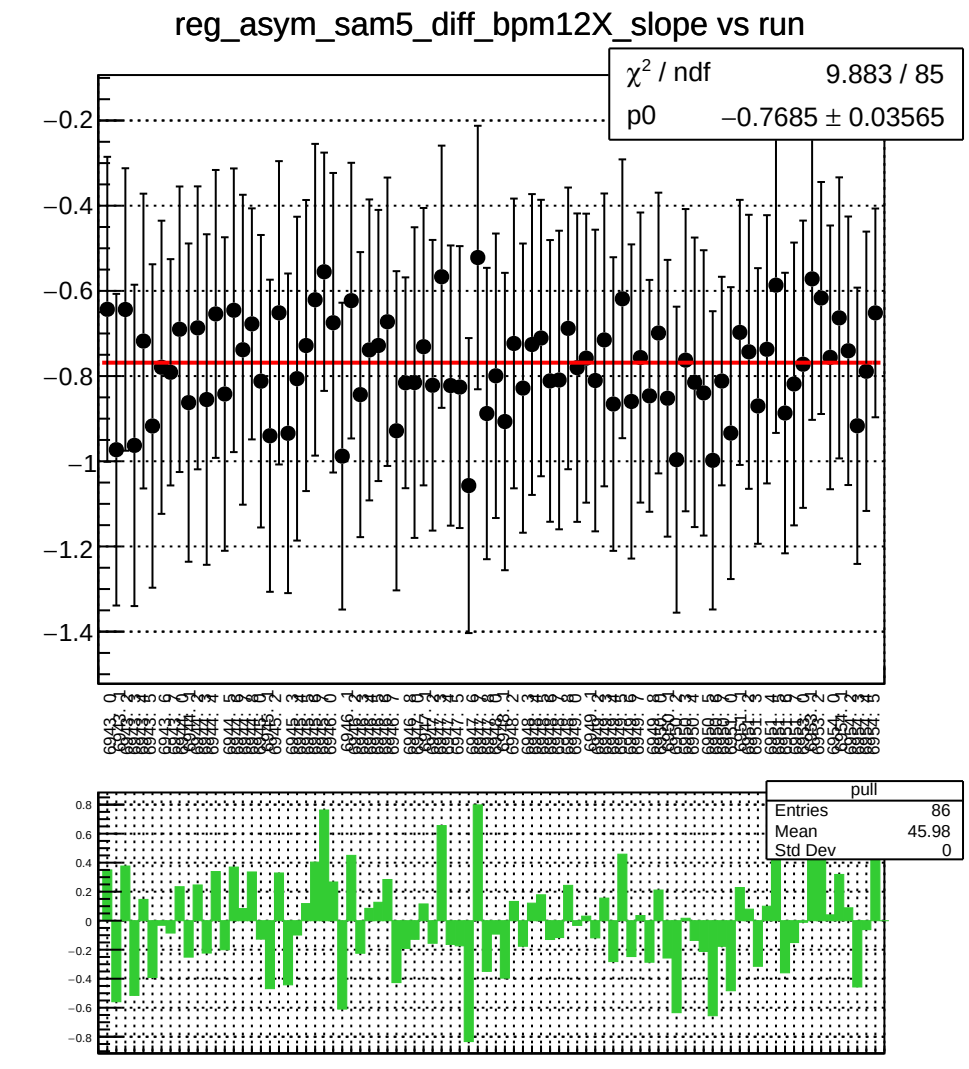

pull1D
Entries 86
Mean 0.01843
Std Dev 0.5229

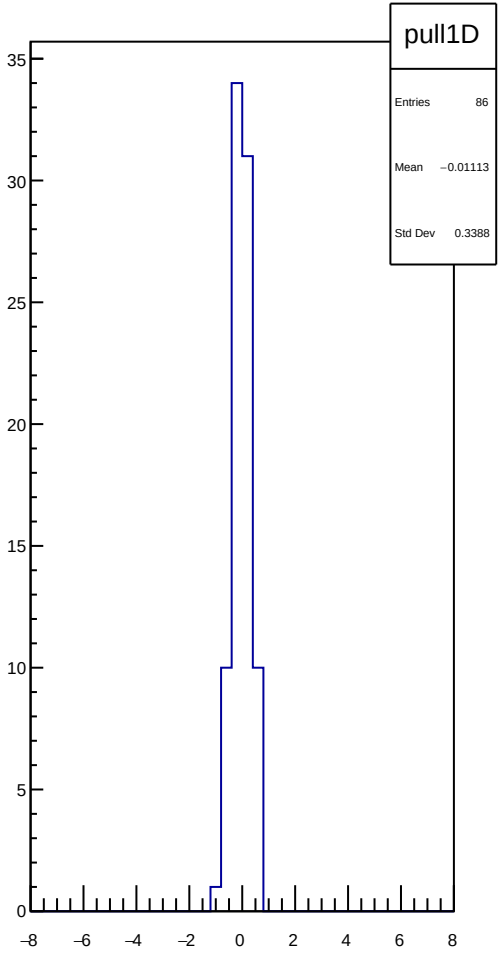

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 14.16 / 85
p0 61.55 ± 0.8037
pull
Entries 86
Mean −589.6
Std Dev 0
pull1D
Entries 86
Mean 0.005666
Std Dev 0.4058

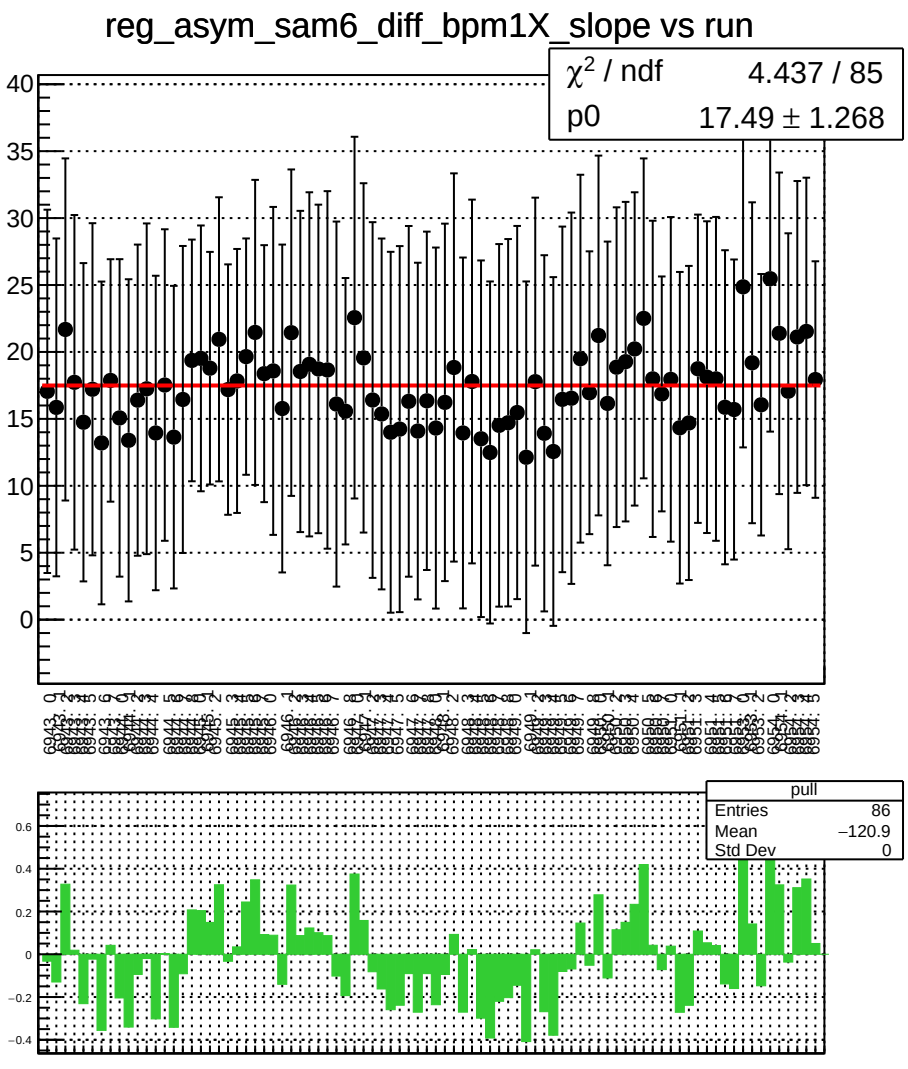

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 22.77 / 85
p0 14.43 ± 1.073
pull
Entries 86
Mean 358.2
Std Dev 0

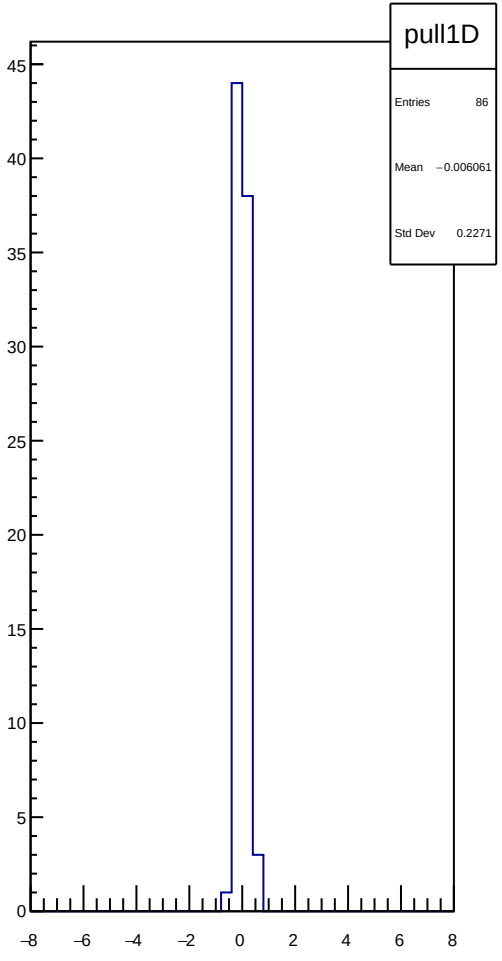

pull1D
Entries 86
Mean −0.01642
Std Dev 0.5143

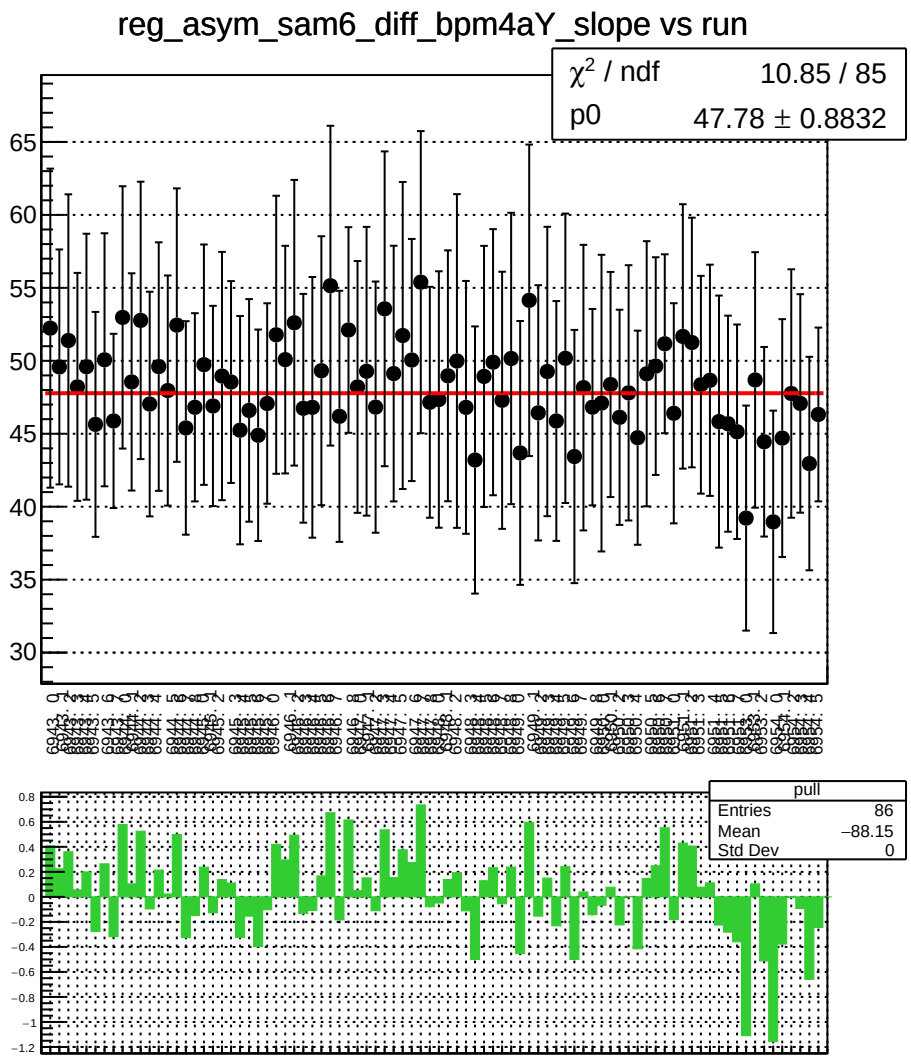

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 9.656 / 85
p0 82.77 ± 0.9222
pull
Entries 86
Mean 818.4
Std Dev 0
pull1D
Entries 86
Mean 0.002395
Std Dev 0.3351

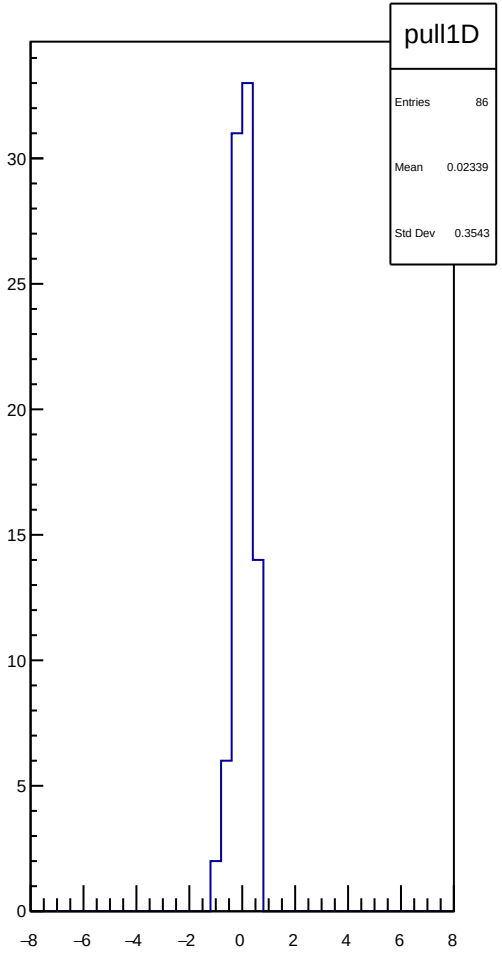

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 9.883 / 85
p0 −0.7685 ± 0.03565
pull
Entries 86
Mean 45.98
Std Dev 0

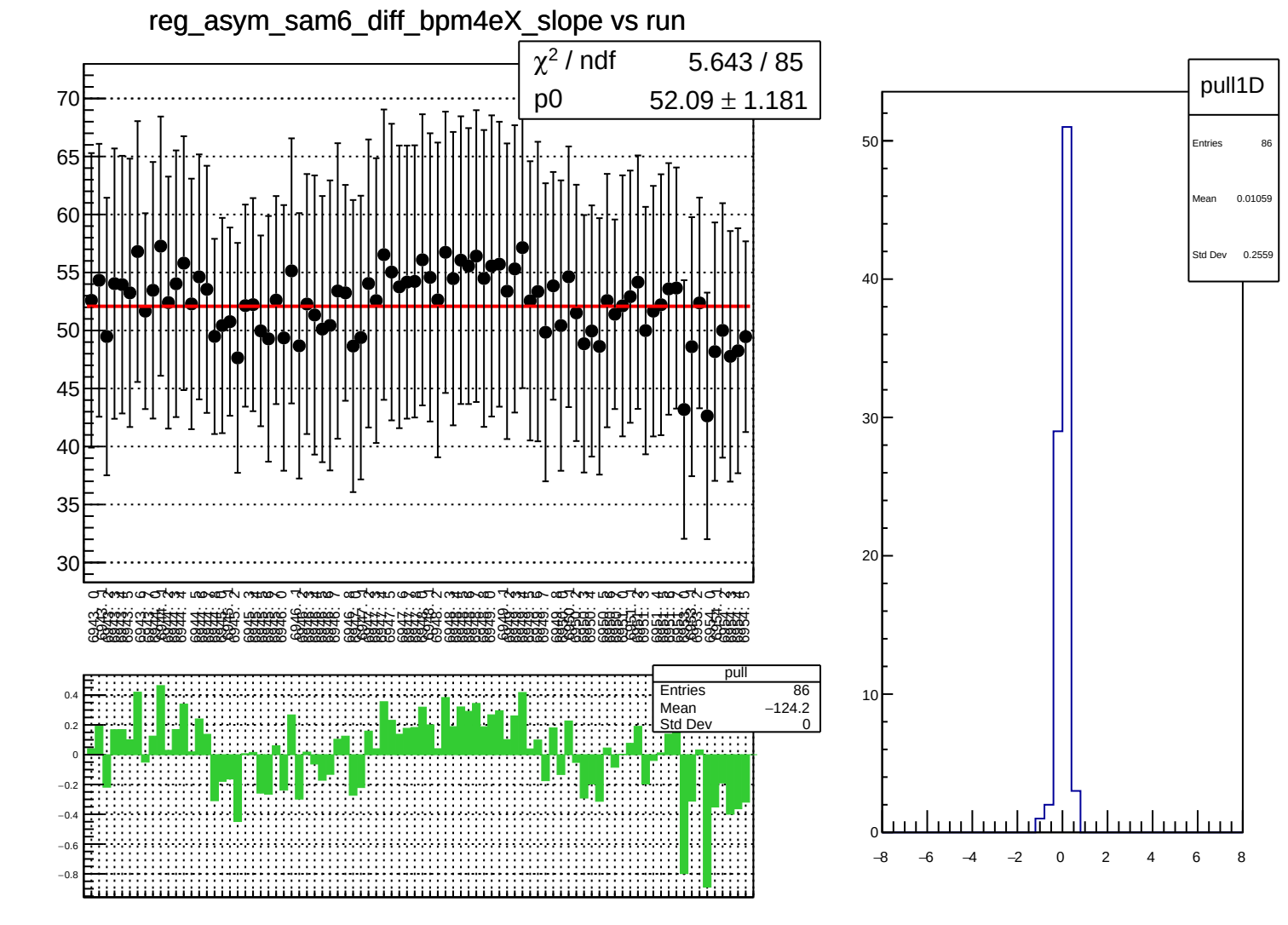

pull1D
Entries 86
Mean −0.01113
Std Dev 0.3388

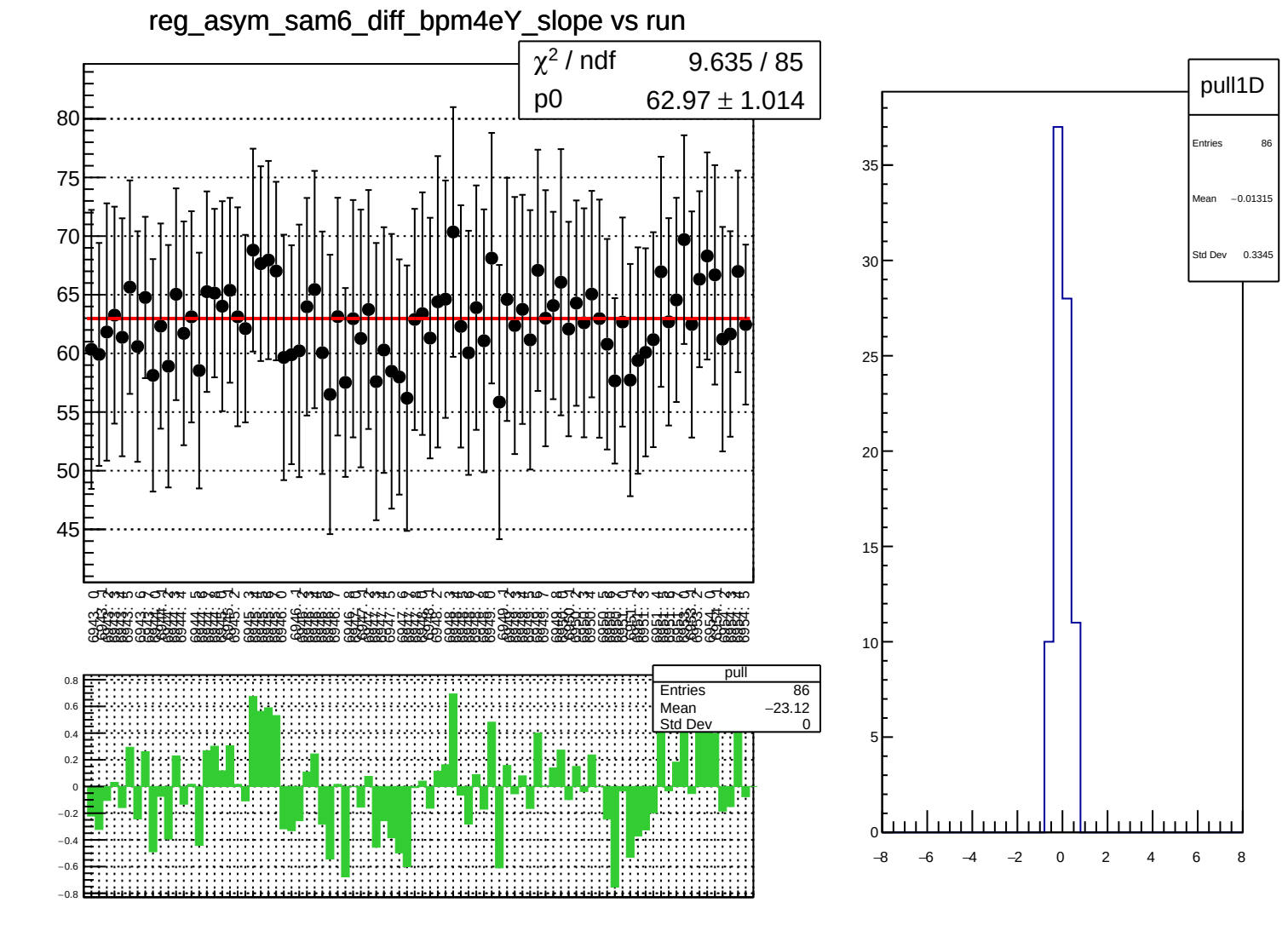

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.437 / 85
p0 17.49 ± 1.268
pull
Entries 86
Mean −120.9
Std Dev 0

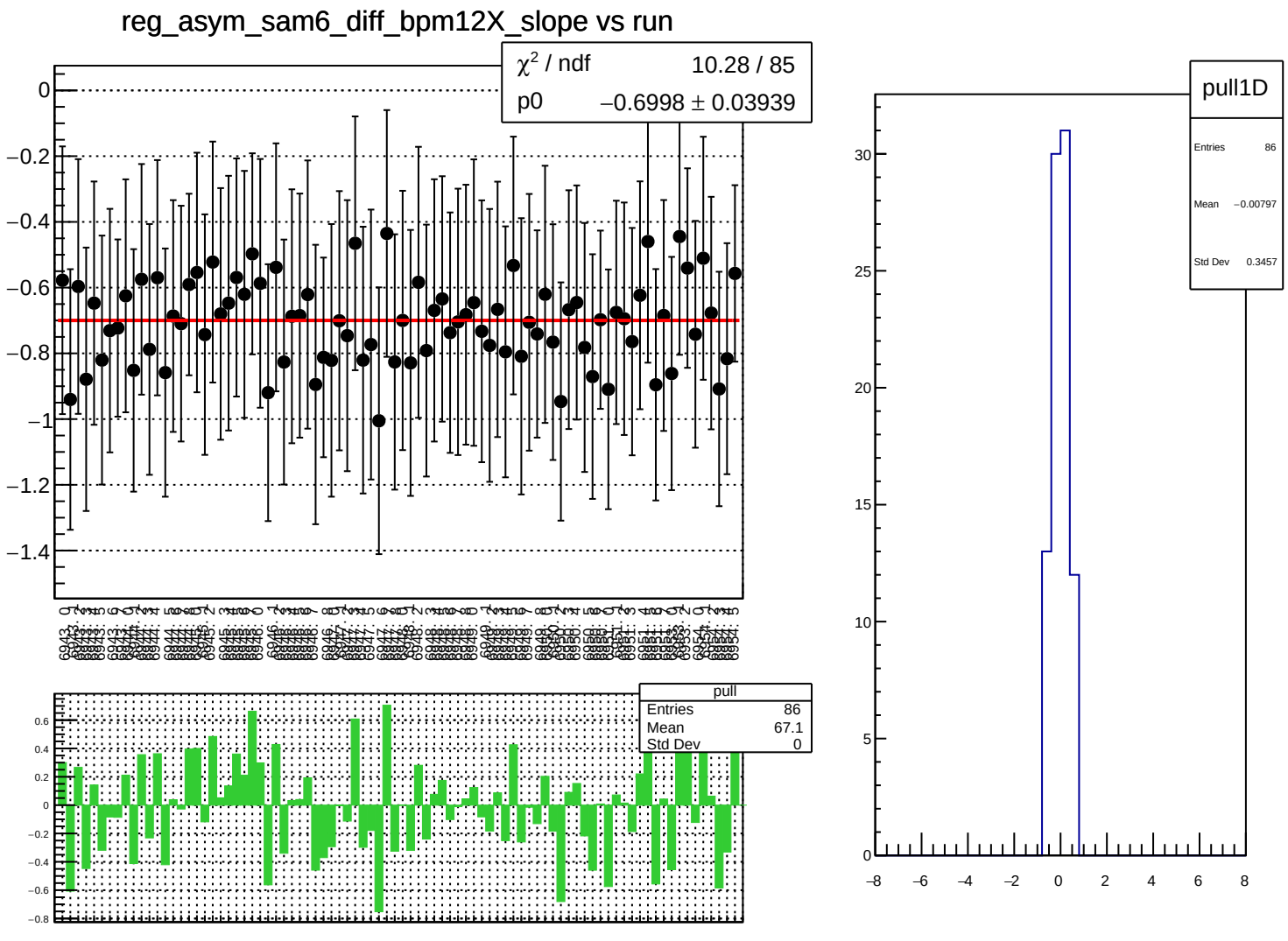

pull1D
Entries 86
Mean −0.006061
Std Dev 0.2271

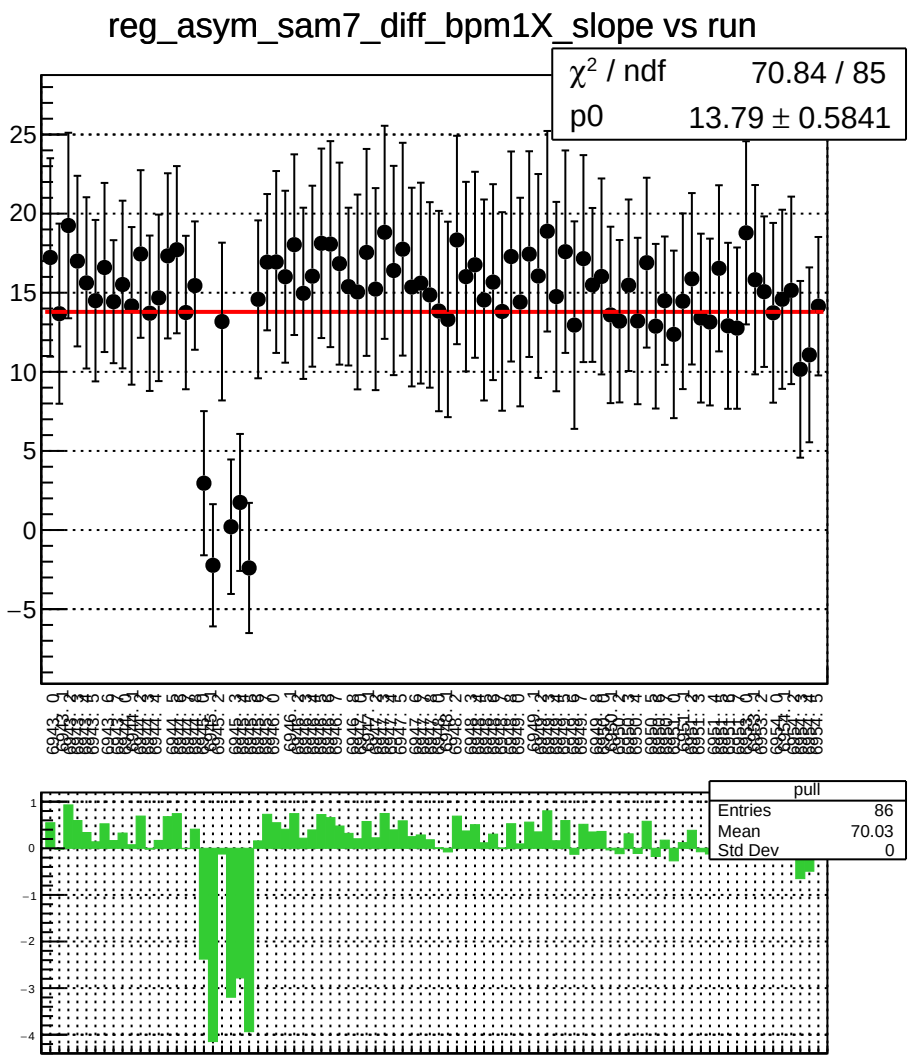

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.85 / 85
p0 47.78 ± 0.8832
pull
Entries 86
Mean −88.15
Std Dev 0

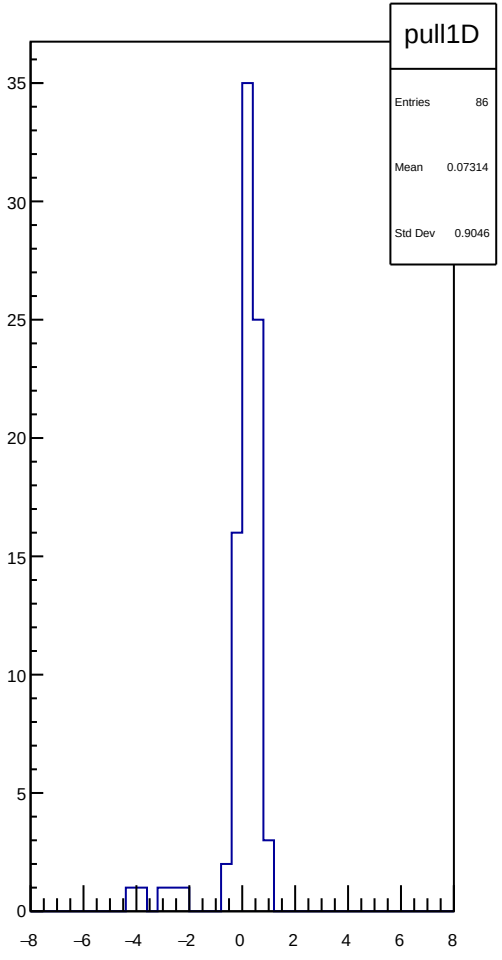

pull1D
Entries 86
Mean 0.02339
Std Dev 0.3543

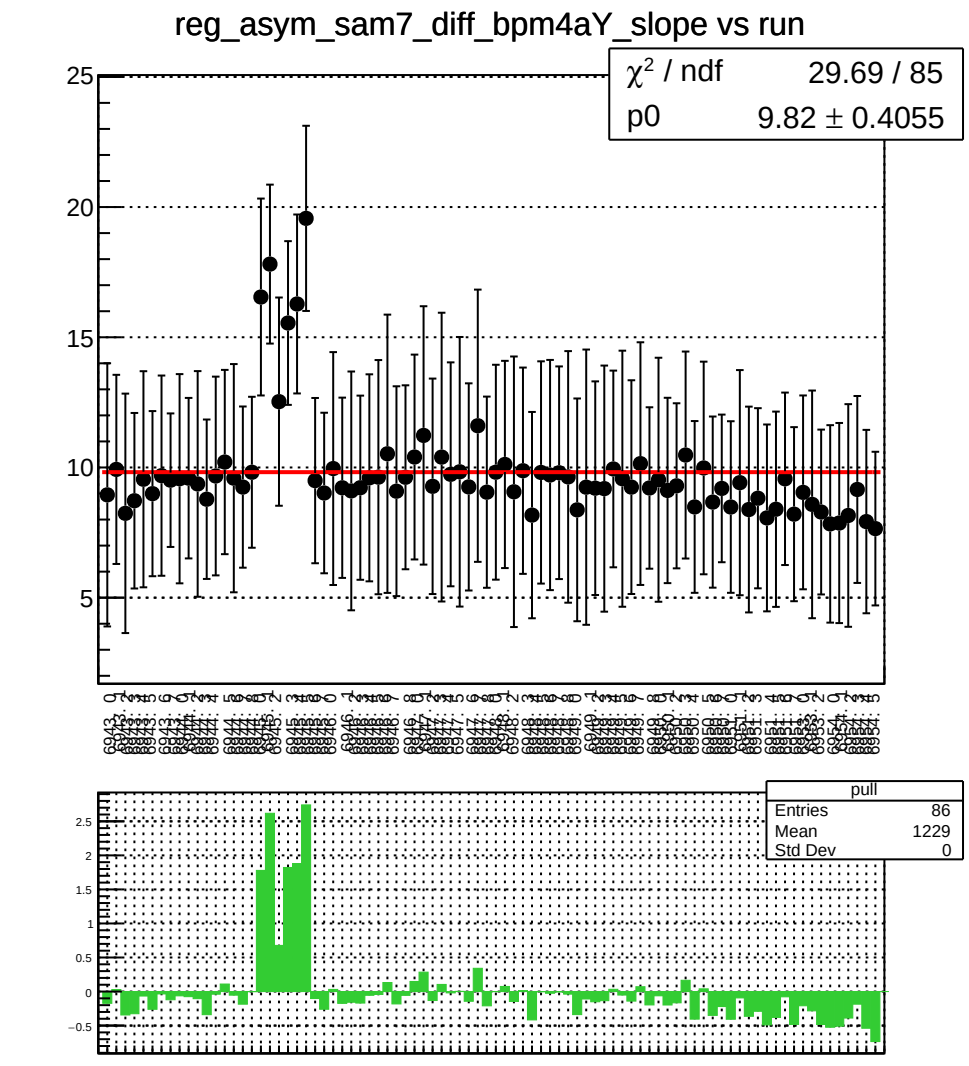

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.643 / 85
p0 52.09 ± 1.181
pull
Entries 86
Mean −124.2
Std Dev 0
pull1D
Entries 86
Mean 0.01059
Std Dev 0.2559

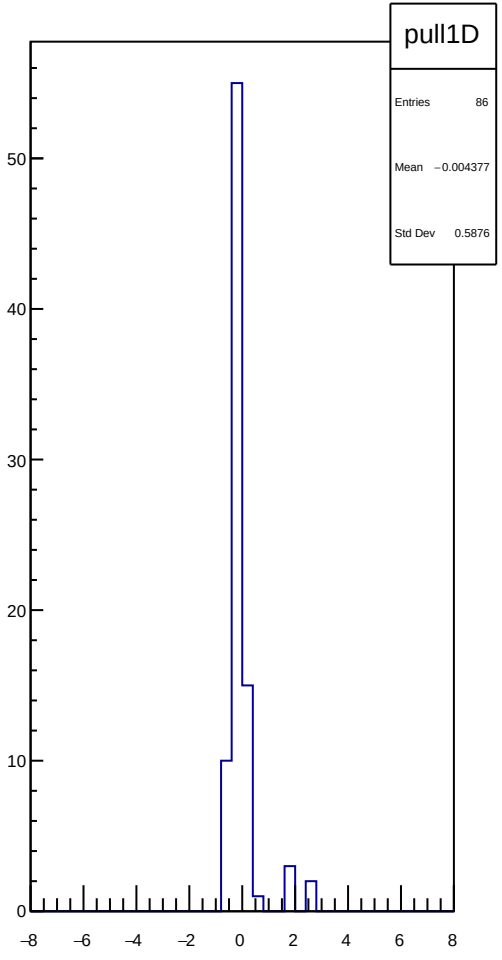

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 9.635 / 85
p0 62.97 ± 1.014
pull
Entries 86
Mean −23.12
Std Dev 0
pull1D
Entries 86
Mean −0.01315
Std Dev 0.3345

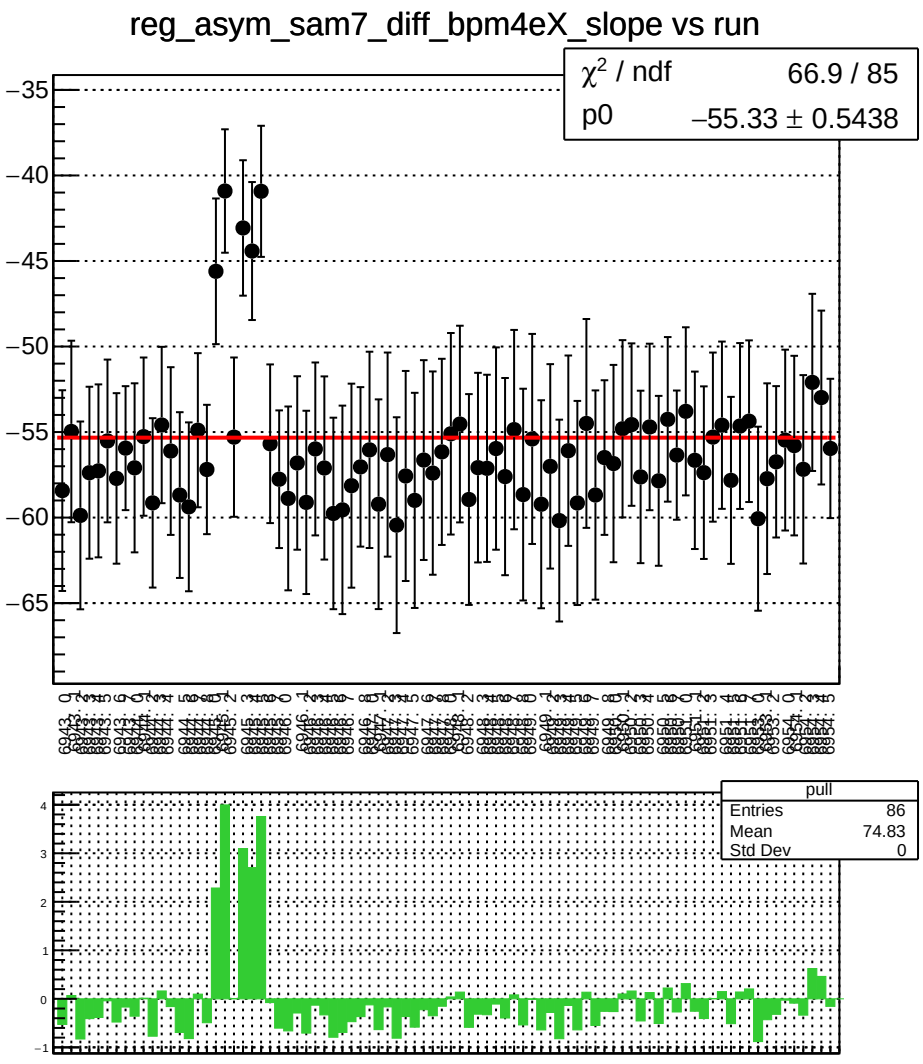

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.28 / 85
p0 −0.6998 ± 0.03939
pull
Entries 86
Mean 67.1
Std Dev 0
pull1D
Entries 86
Mean −0.00797
Std Dev 0.3457

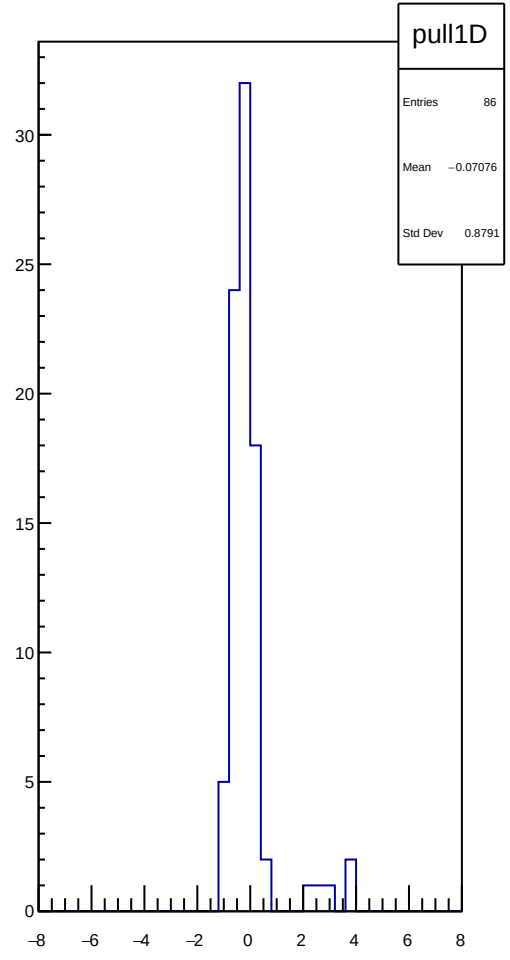

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 70.84 / 85
p0 13.79 ± 0.5841
pull
Entries 86
Mean 70.03
Std Dev 0

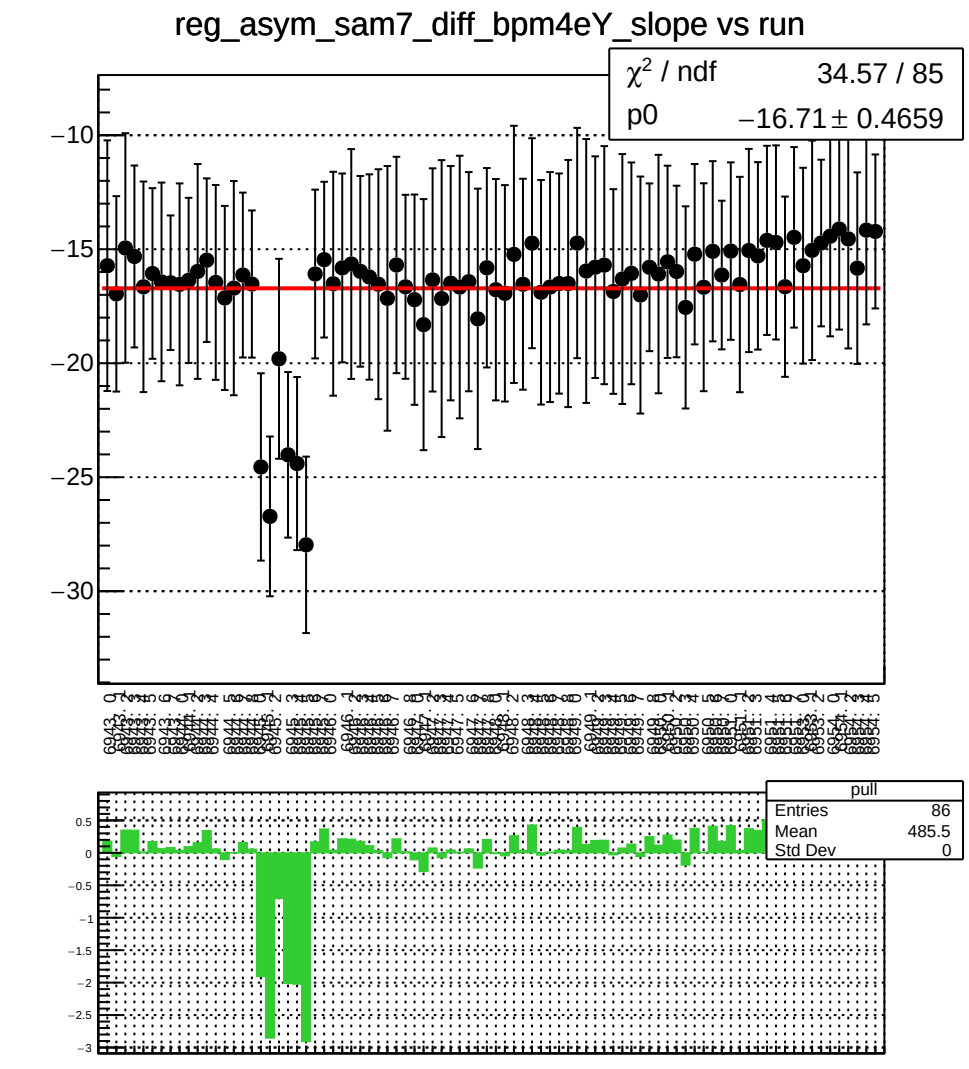

pull1D
Entries 86
Mean 0.07314
Std Dev 0.9046

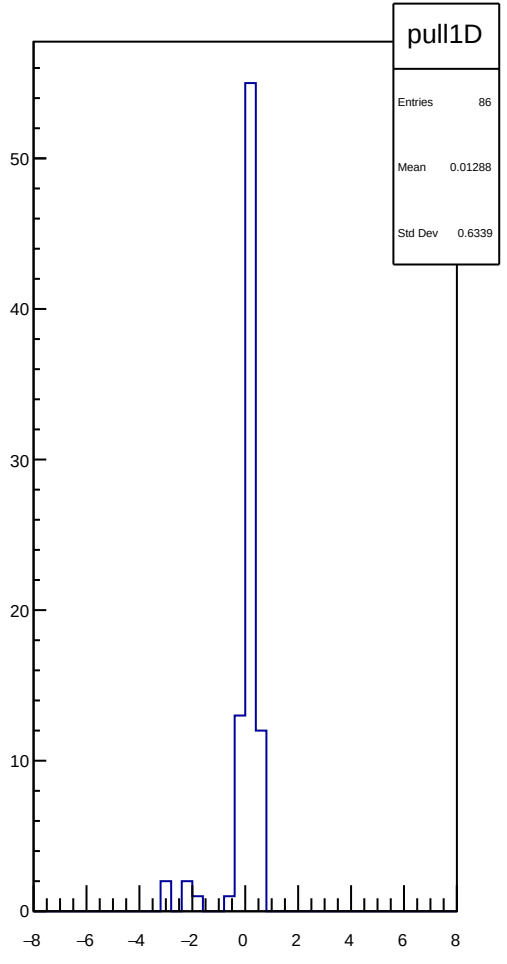

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 29.69 / 85
p0 9.82 ± 0.4055
pull
Entries 86
Mean 1229
Std Dev 0

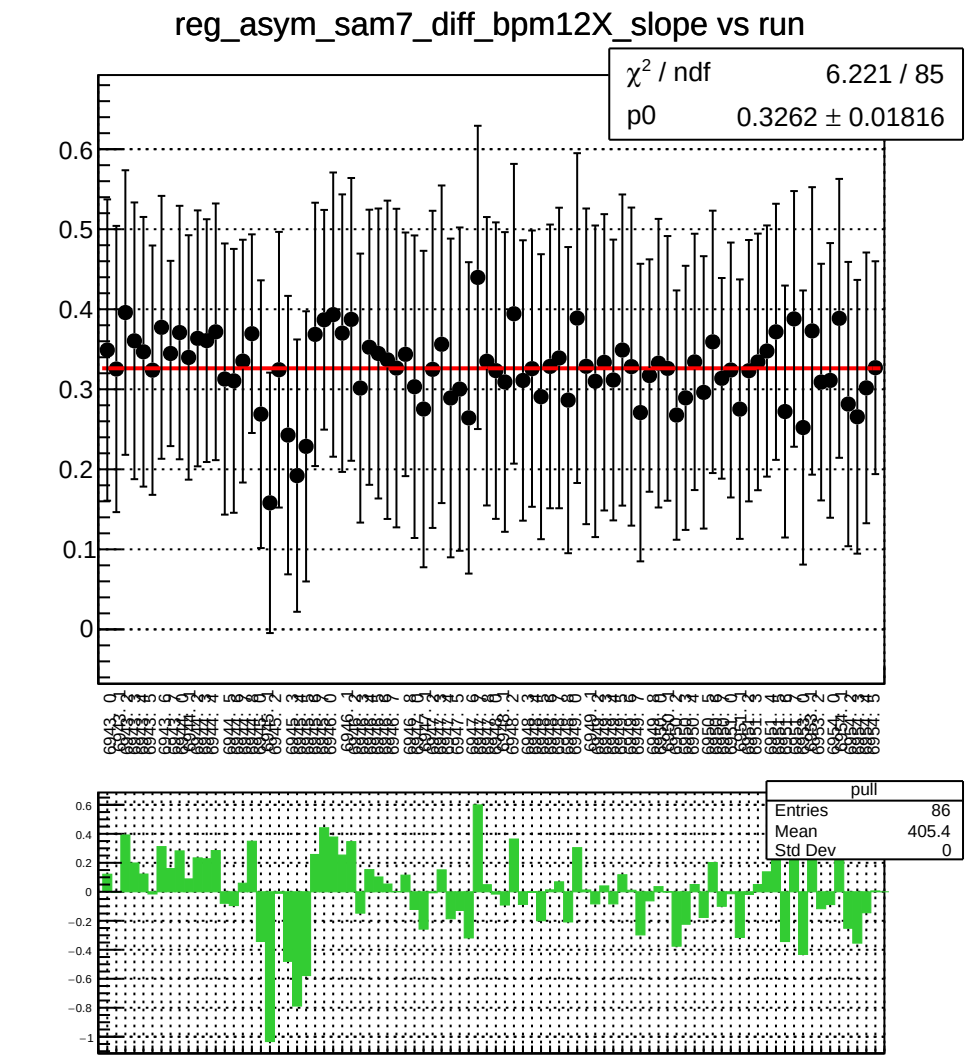

pull1D
Entries 86
Mean −0.004377
Std Dev 0.5876

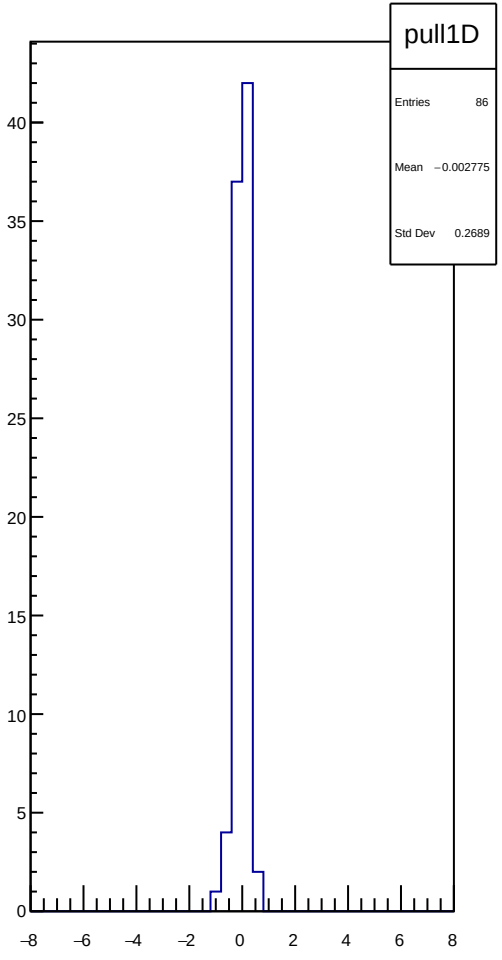

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 66.9 / 85
p0 −55.33 ± 0.5438
pull
Entries 86
Mean 74.83
Std Dev 0

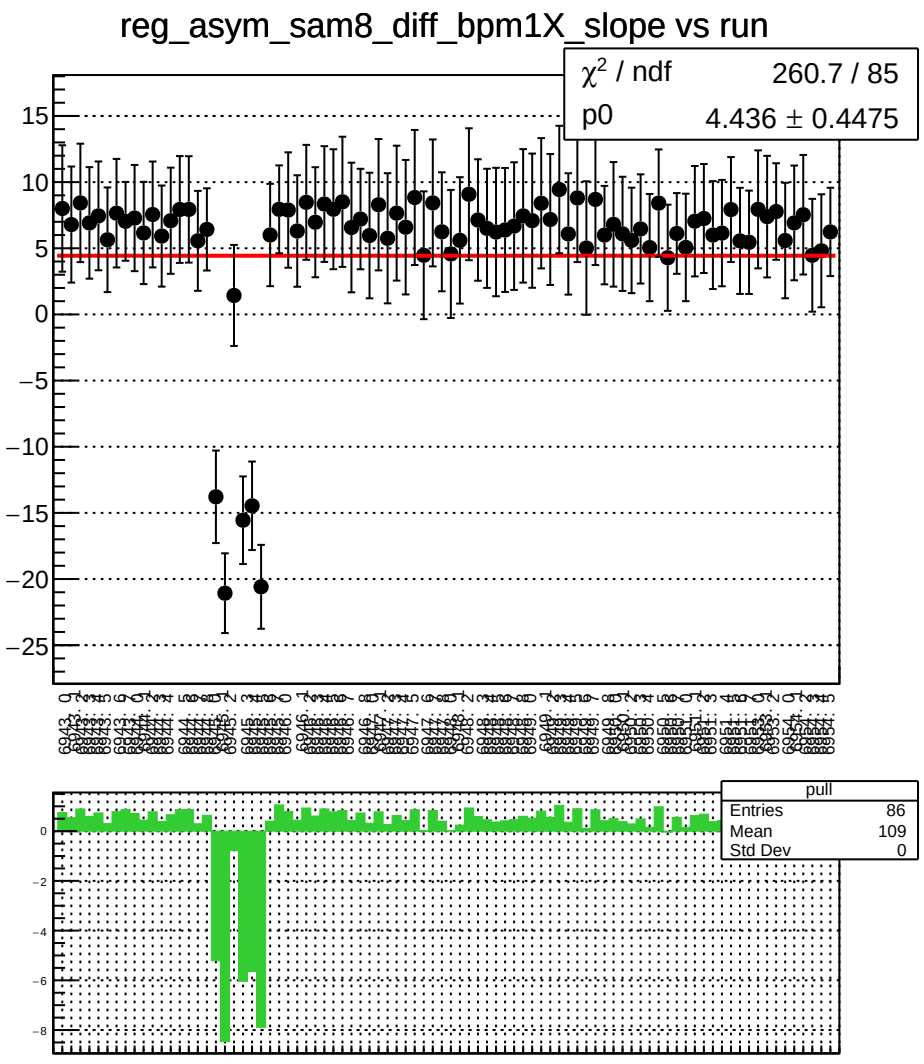

pull1D
Entries 86
Mean −0.07076
Std Dev 0.8791

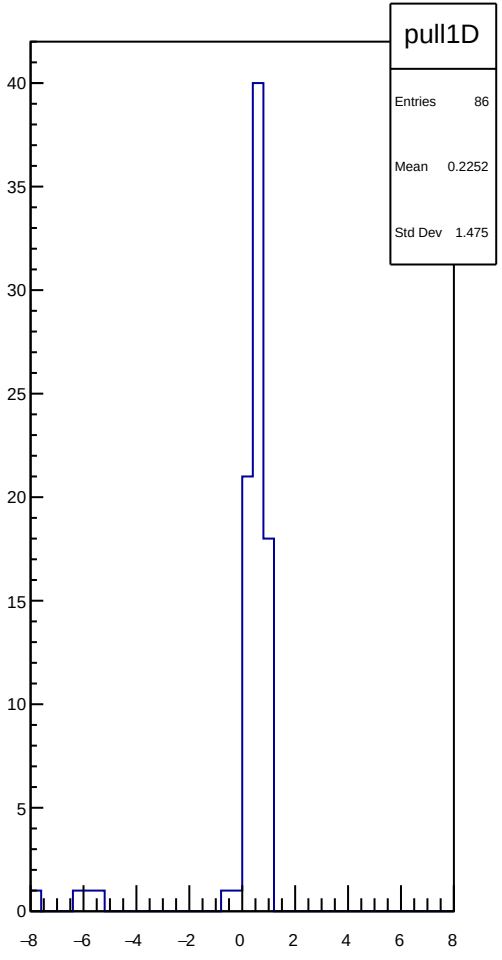

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 34.57 / 85
p0 −16.71 ± 0.4659
−10
−15
−20
−25
−30
pull
Entries 86
Mean 485.5
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

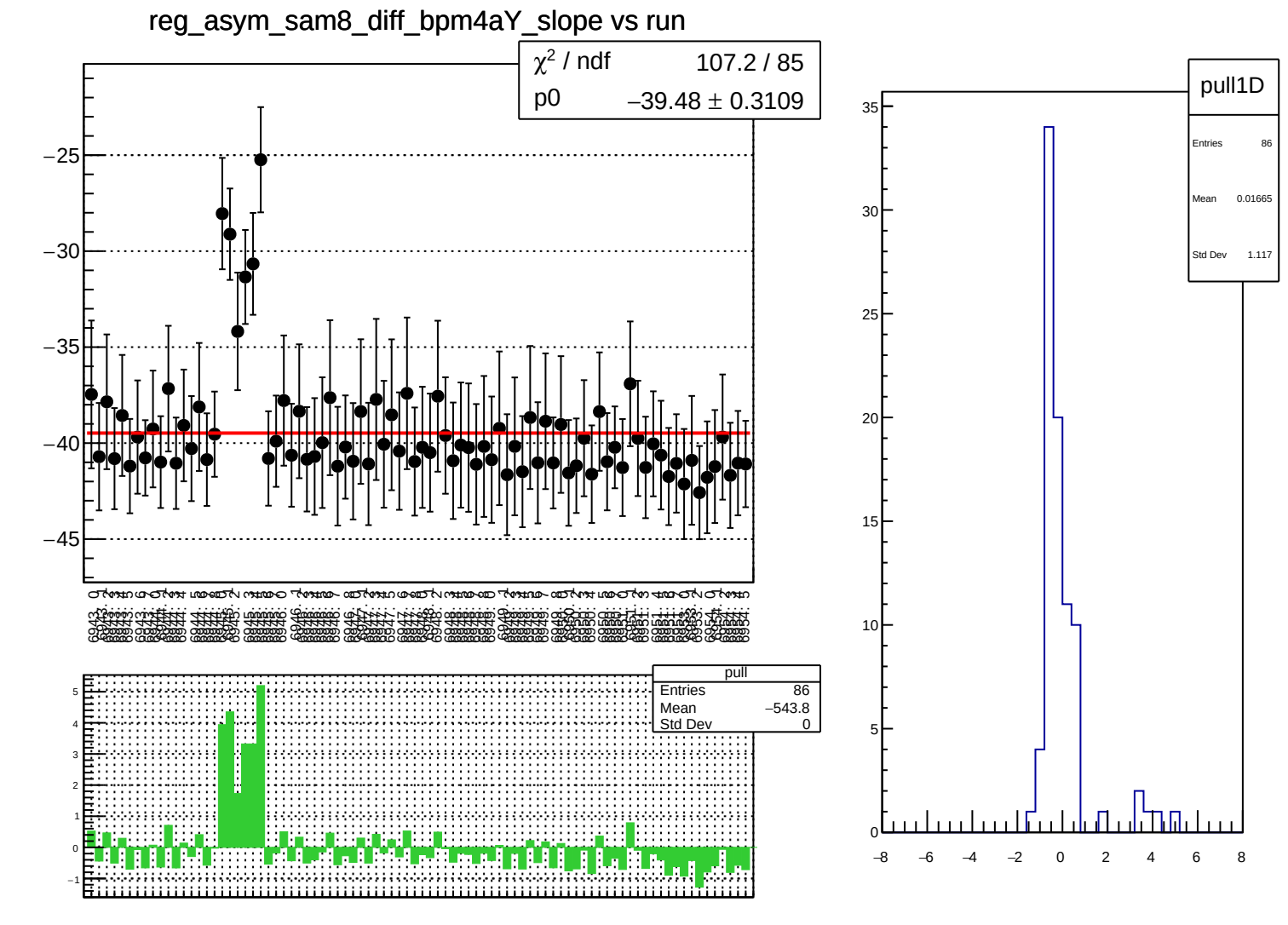

pull1D
Entries 86
Mean 0.01288
Std Dev 0.6339
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

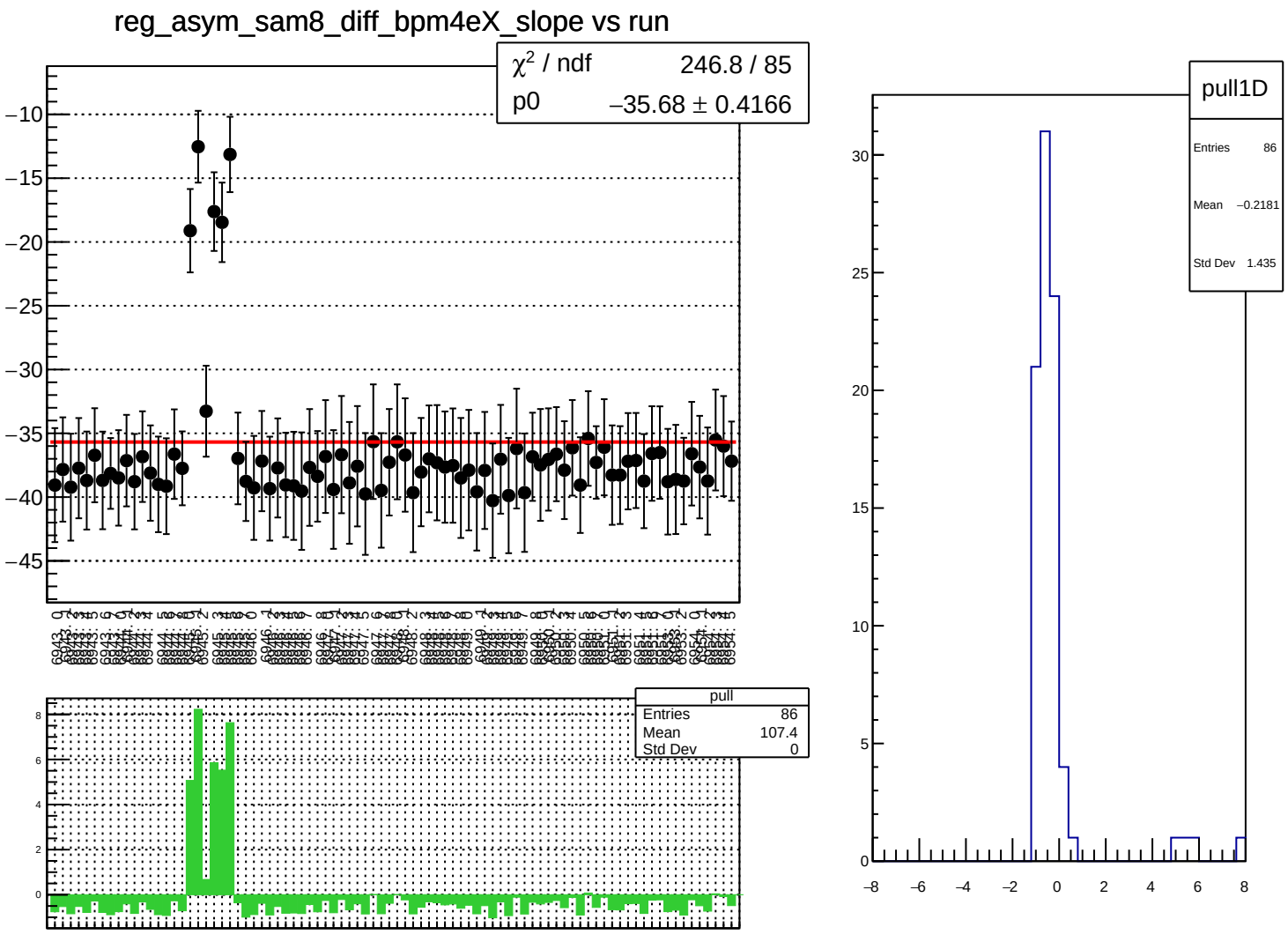

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 6.221 / 85
p0 0.3262 ± 0.01816
pull
Entries 86
Mean 405.4
Std Dev 0

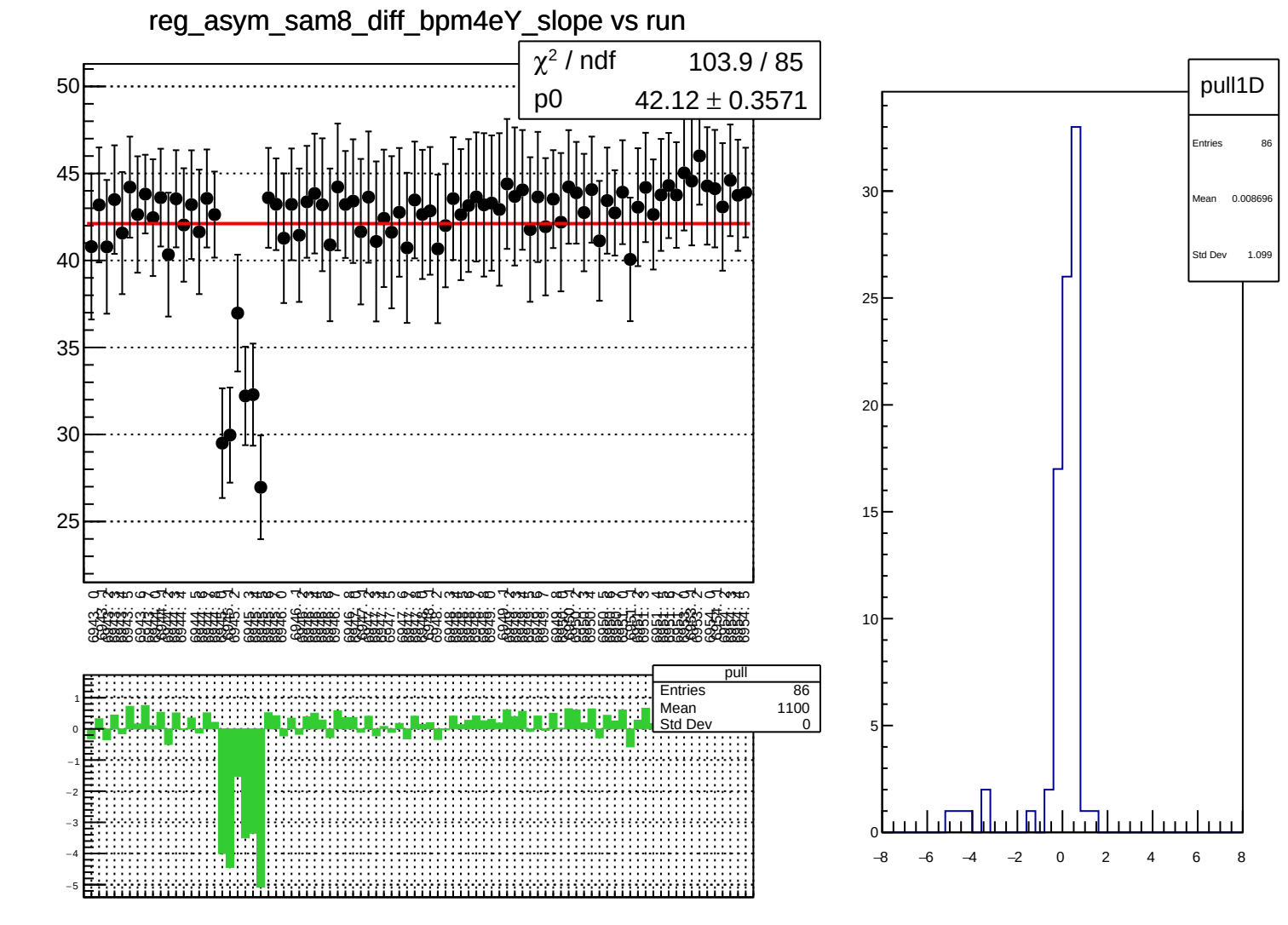

pull1D
Entries 86
Mean −0.002775
Std Dev 0.2689

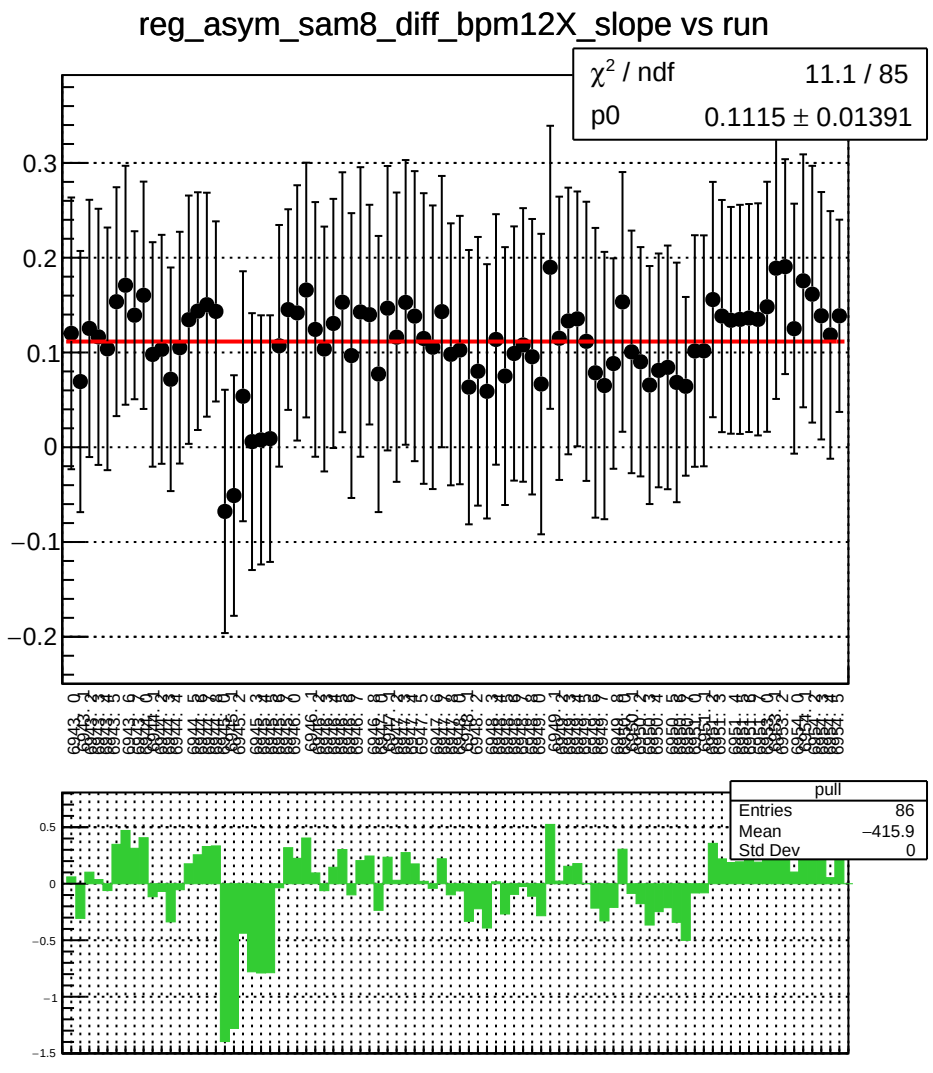

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 260.7 / 85
p0 4.436 ± 0.4475
pull
Entries 86
Mean 109
Std Dev 0

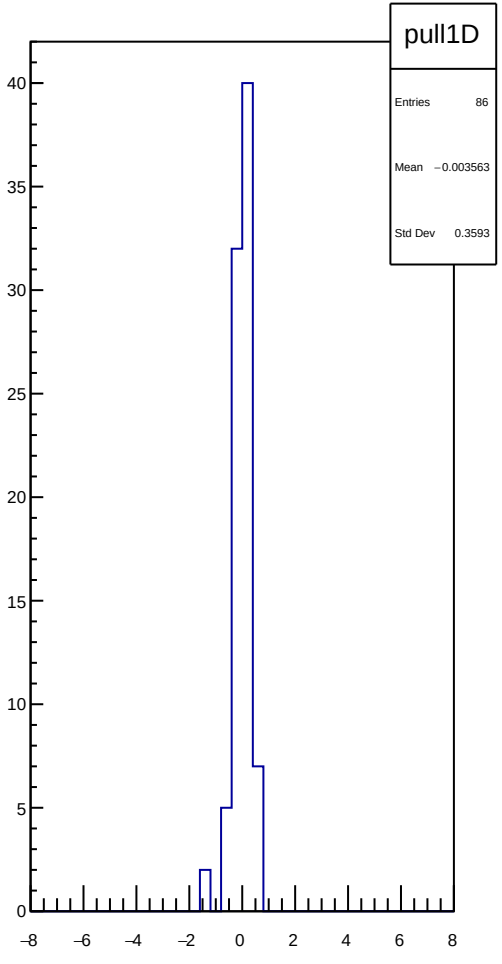

pull1D
Entries 86
Mean 0.2252
Std Dev 1.475

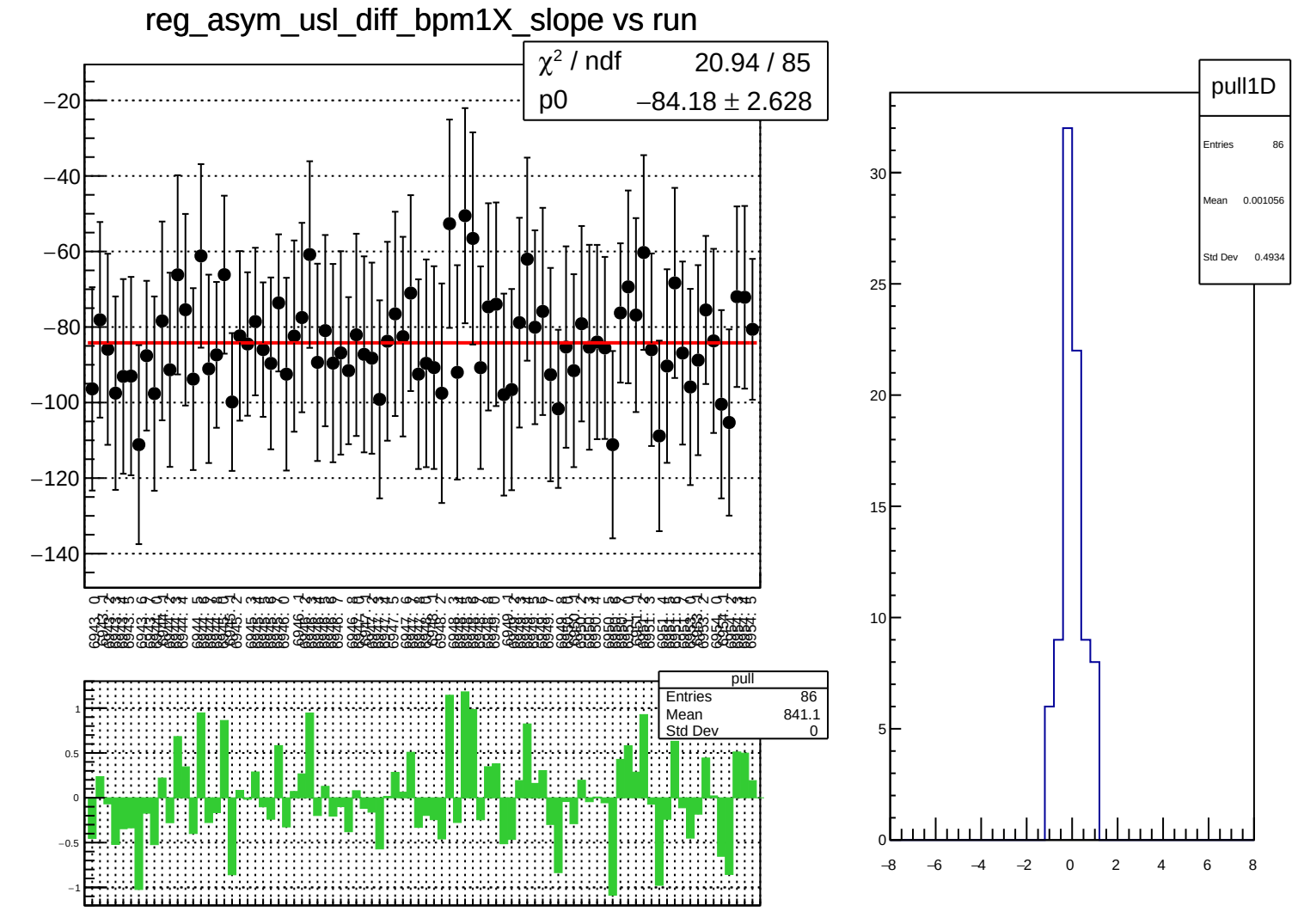

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 107.2 / 85
p0 −39.48 ± 0.3109
pull
Entries 86
Mean −543.8
Std Dev 0
pull1D
Entries 86
Mean 0.01665
Std Dev 1.117

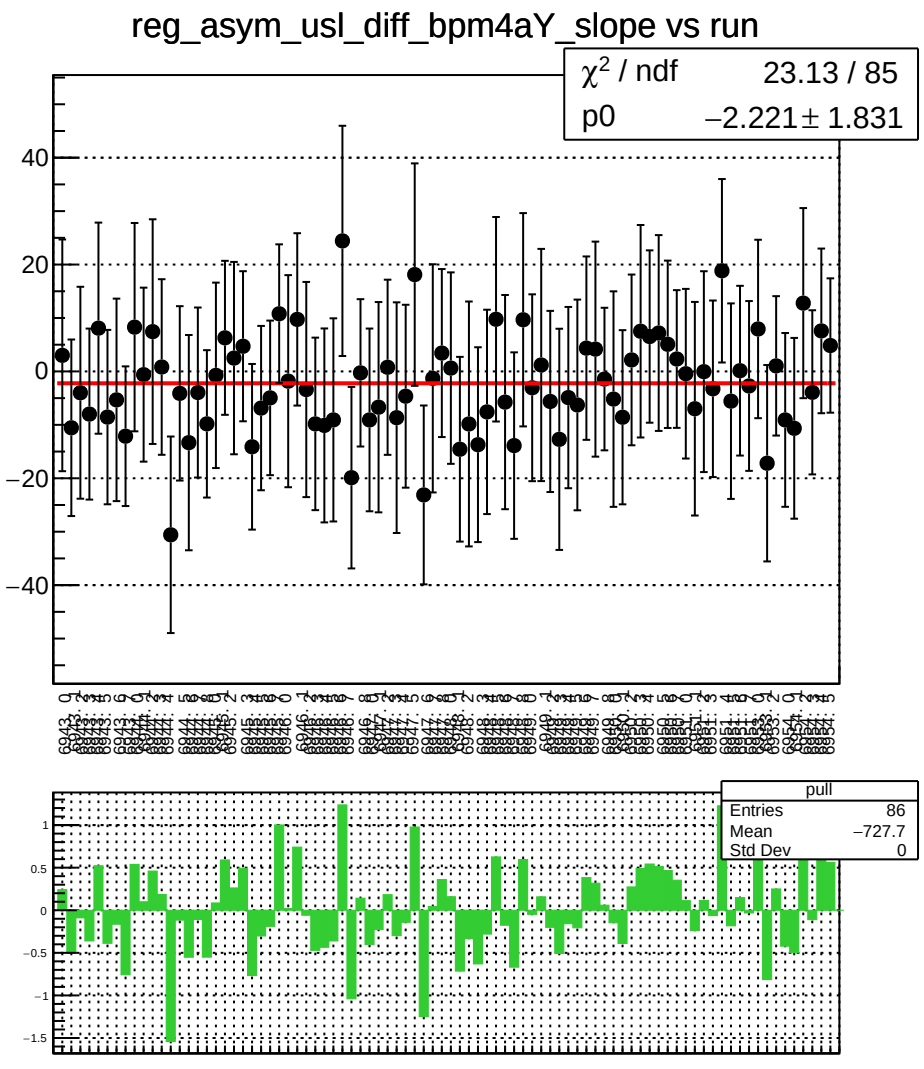

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 246.8 / 85
p0 −35.68 ± 0.4166
pull
Entries 86
Mean 107.4
Std Dev 0
pull1D
Entries 86
Mean −0.2181
Std Dev 1.435

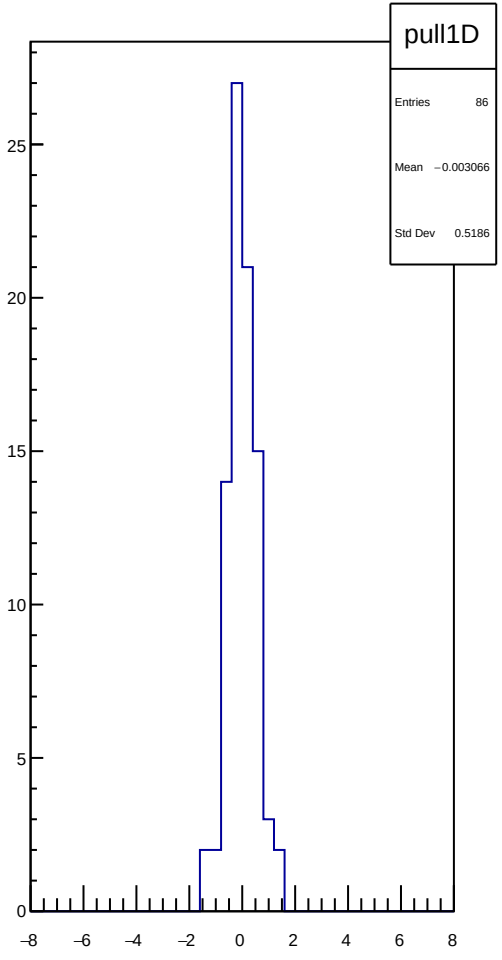

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 103.9 / 85
p0 42.12 ± 0.3571
pull
Entries 86
Mean 1100
Std Dev 0
pull1D
Entries 86
Mean 0.008696
Std Dev 1.099

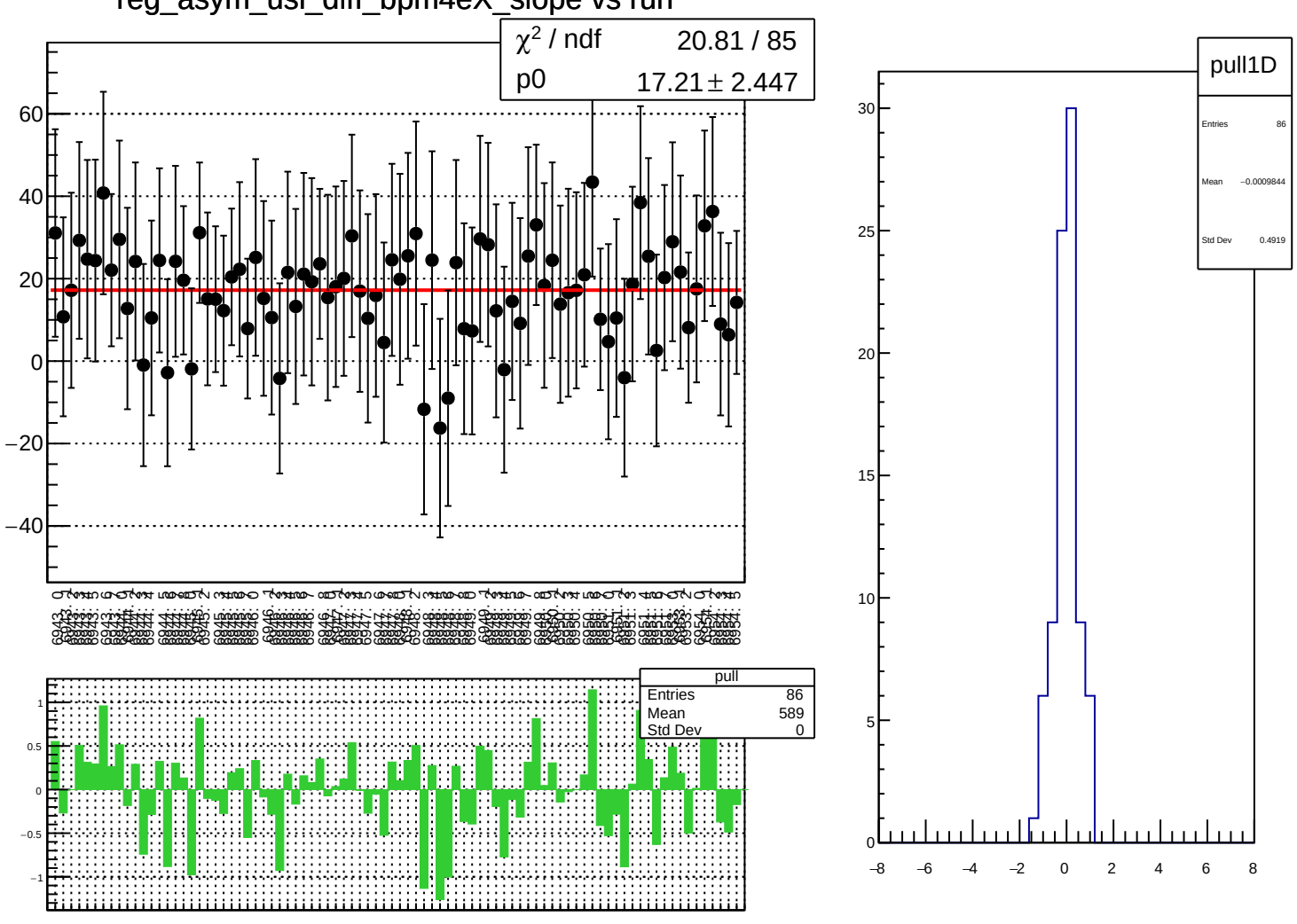

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 11.1 / 85
p0 0.1115 ± 0.01391
pull
Entries 86
Mean −415.9
Std Dev 0

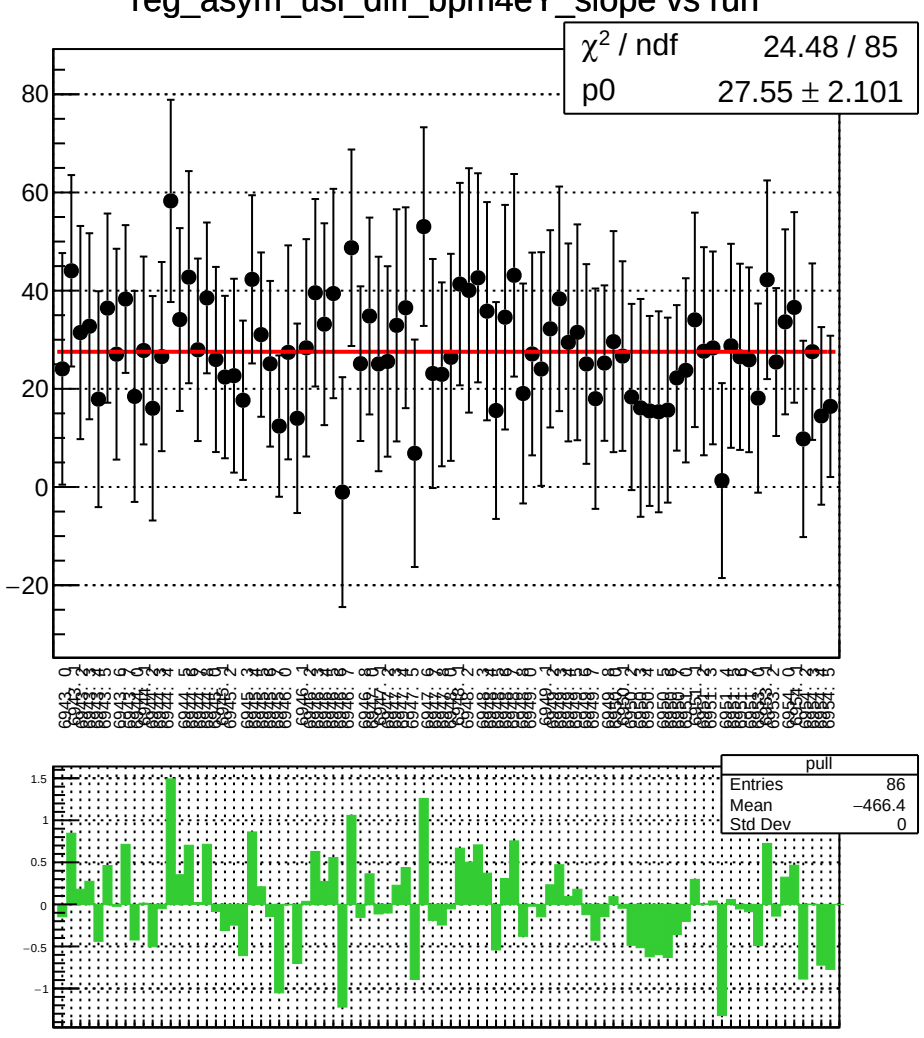

pull1D
Entries 86
Mean −0.003563
Std Dev 0.3593

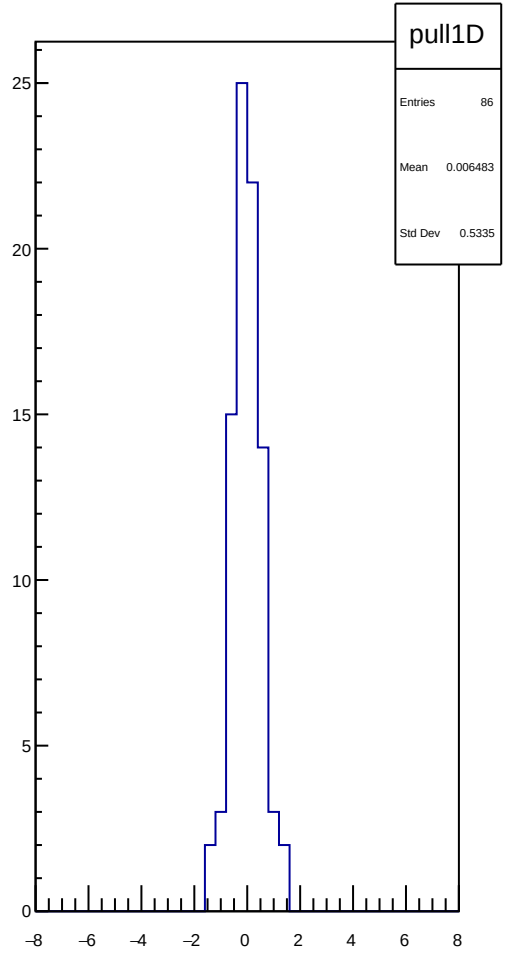

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 20.94 / 85
p0 −84.18 ± 2.628
pull
Entries 86
Mean 841.1
Std Dev 0
pull1D
Entries 86
Mean 0.001056
Std Dev 0.4934

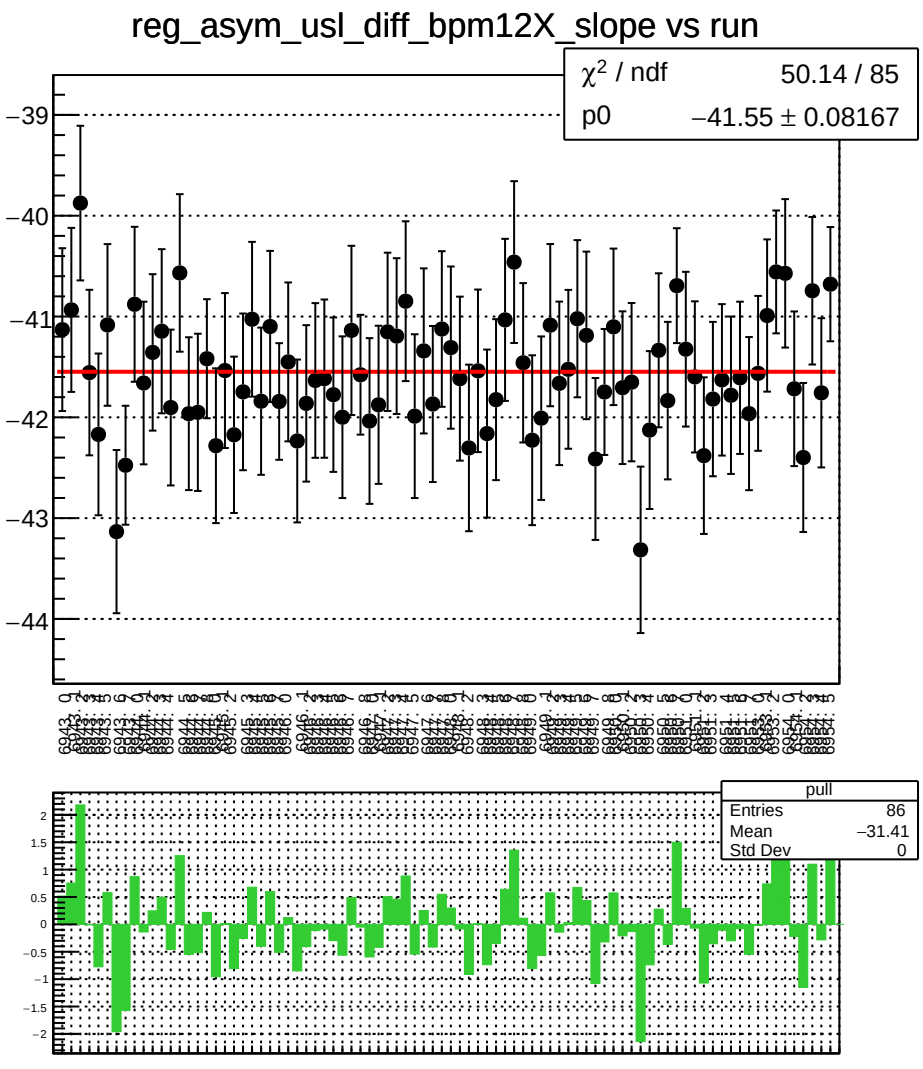

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.13 / 85
p0 −2.221 ± 1.831
pull
Entries 86
Mean −727.7
Std Dev 0

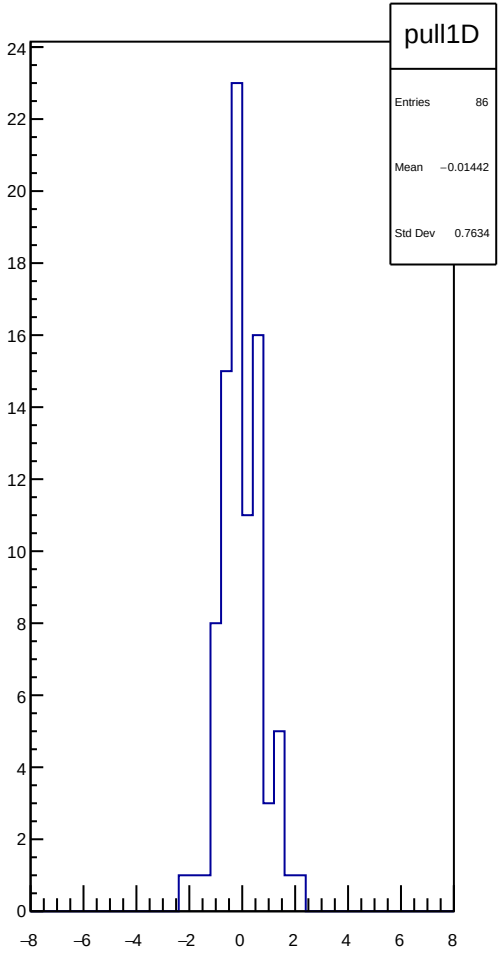

pull1D
Entries 86
Mean −0.003066
Std Dev 0.5186

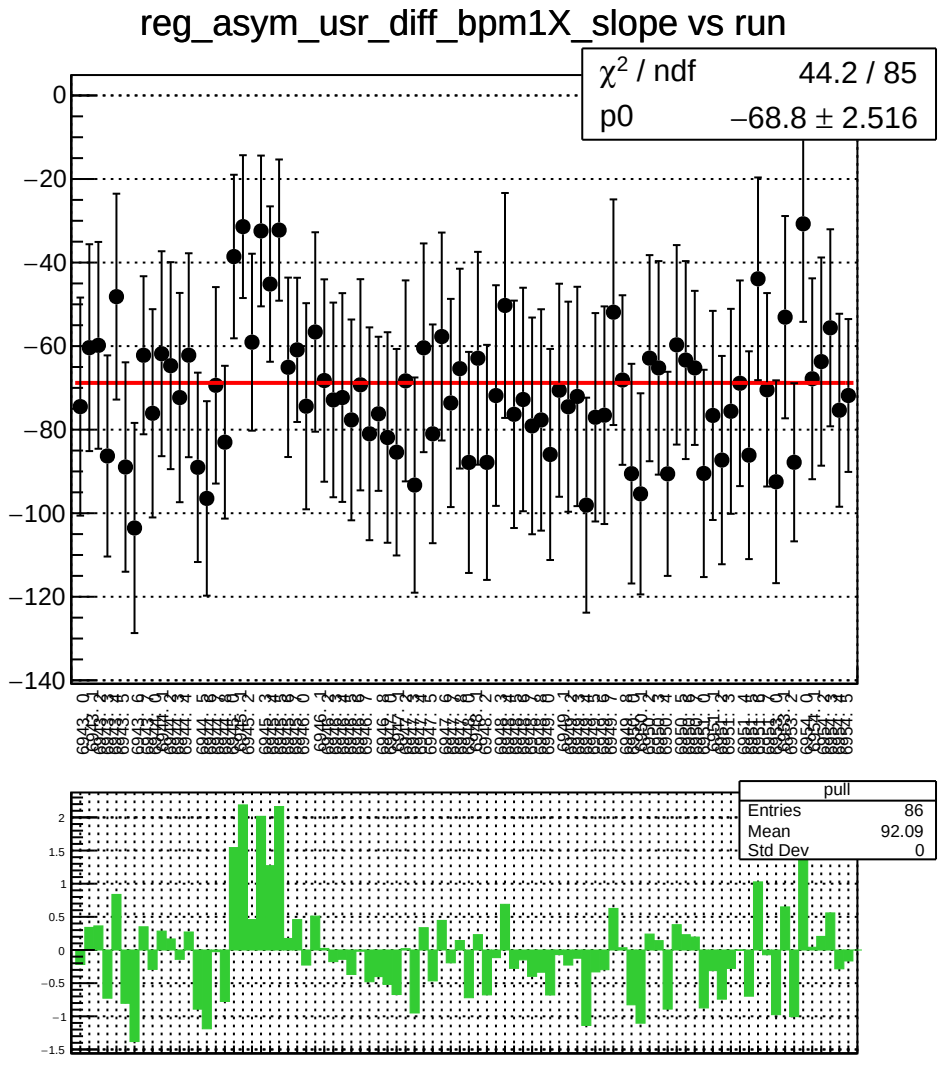

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 20.81 / 85
p0 17.21 ± 2.447
pull
Entries 86
Mean 589
Std Dev 0
pull1D
Entries 86
Mean −0.0009844
Std Dev 0.4919

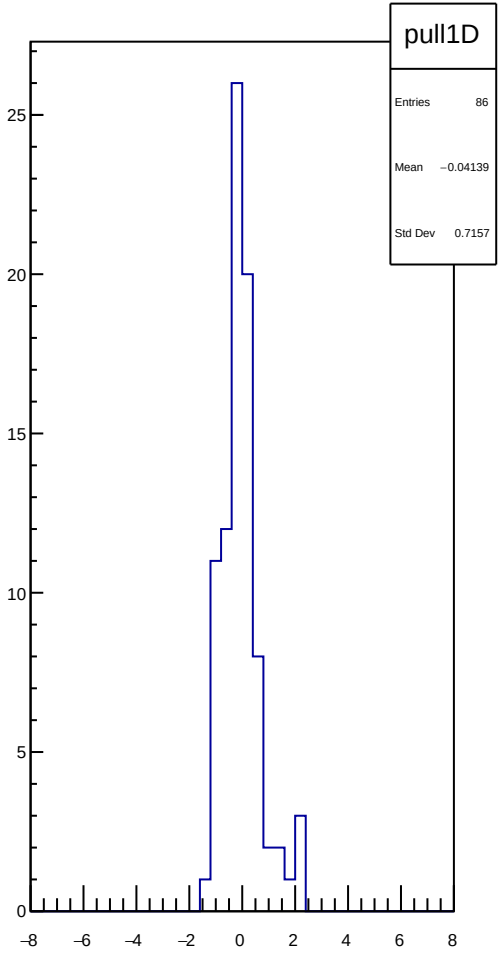

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 24.48 / 85
p0 27.55 ± 2.101
pull
Entries 86
Mean −466.4
Std Dev 0

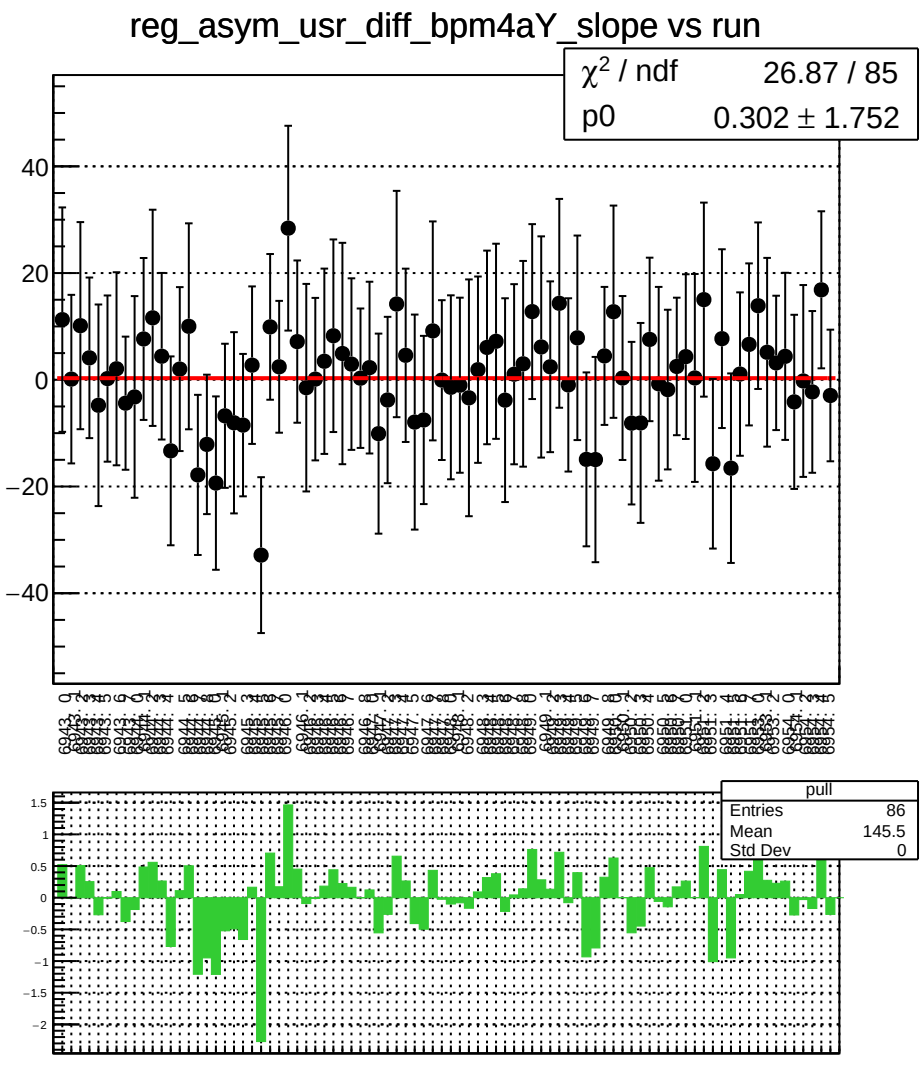

pull1D
Entries 86
Mean 0.006483
Std Dev 0.5335

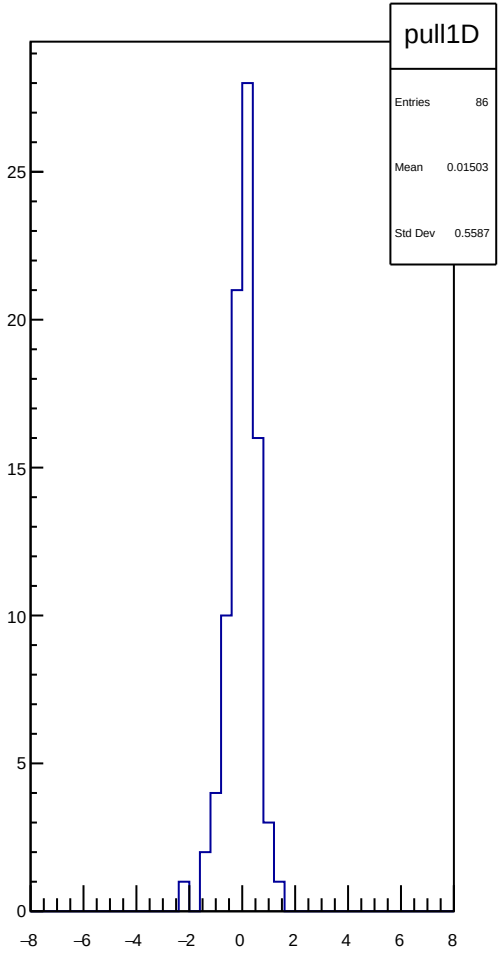

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 50.14 / 85
p0 −41.55 ± 0.08167
pull
Entries 86
Mean −31.41
Std Dev 0

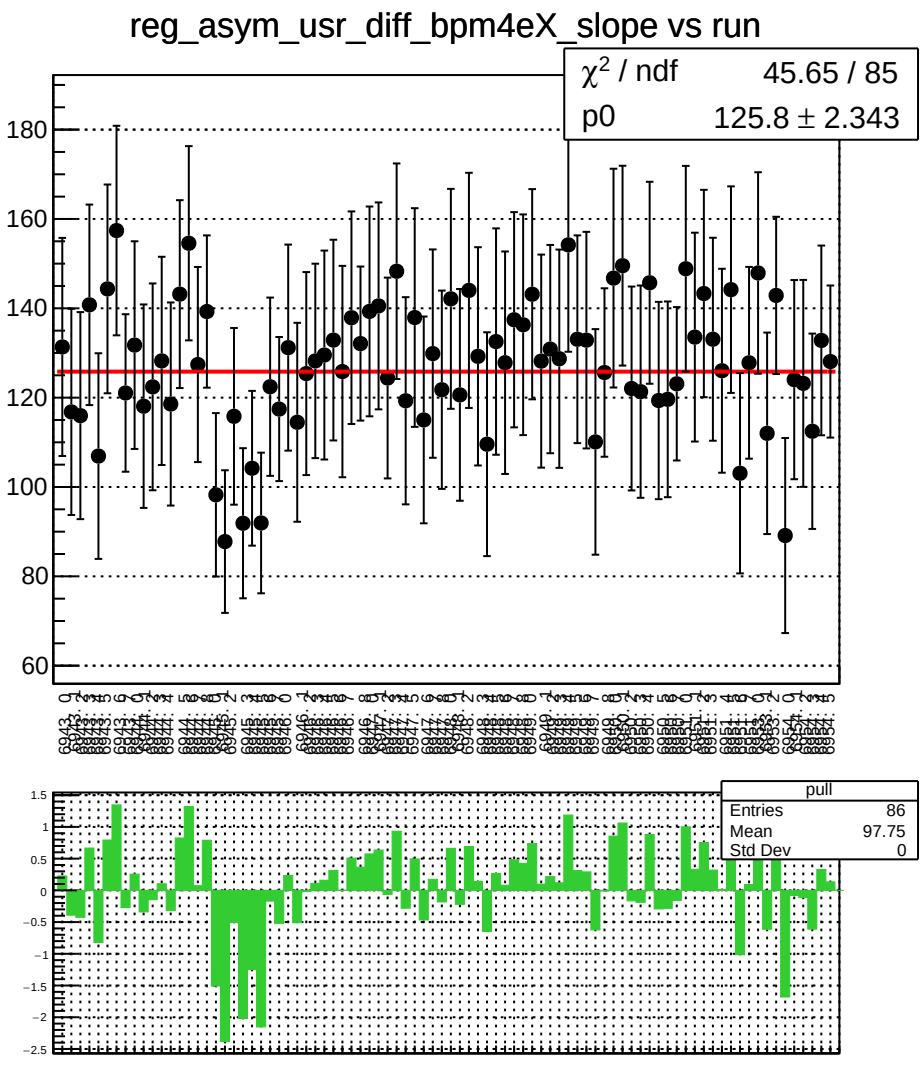

pull1D
Entries 86
Mean −0.01442
Std Dev 0.7634

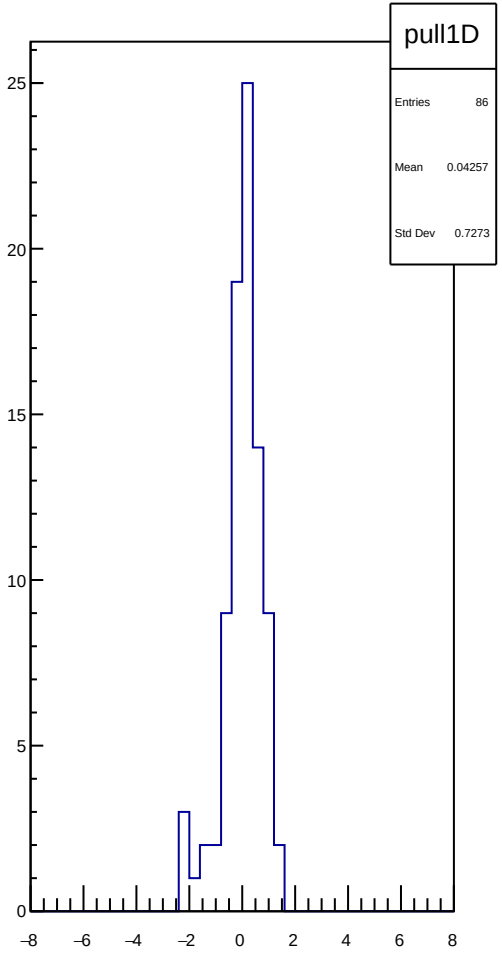

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 44.2 / 85
p0 −68.8 ± 2.516
pull
Entries 86
Mean 92.09
Std Dev 0

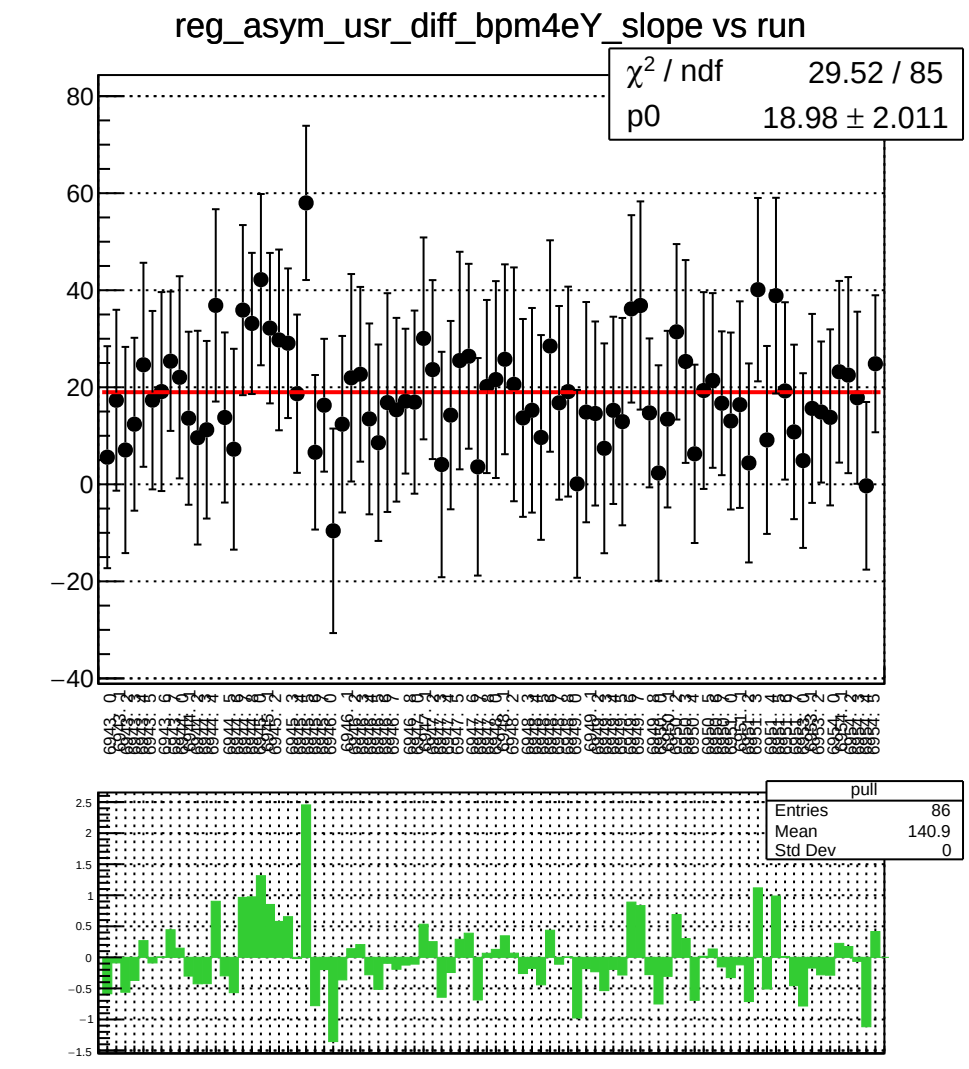

pull1D
Entries 86
Mean −0.04139
Std Dev 0.7157

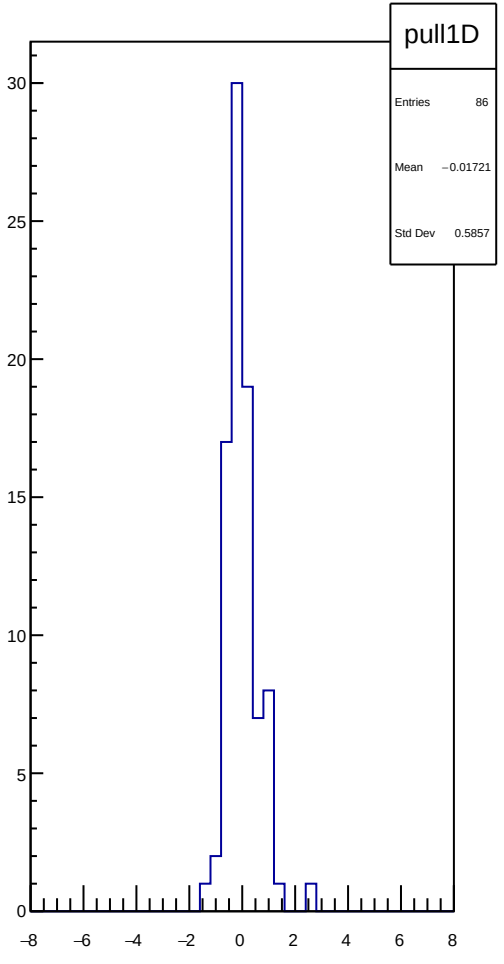

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 26.87 / 85
p0 0.302 ± 1.752
pull
Entries 86
Mean 145.5
Std Dev 0

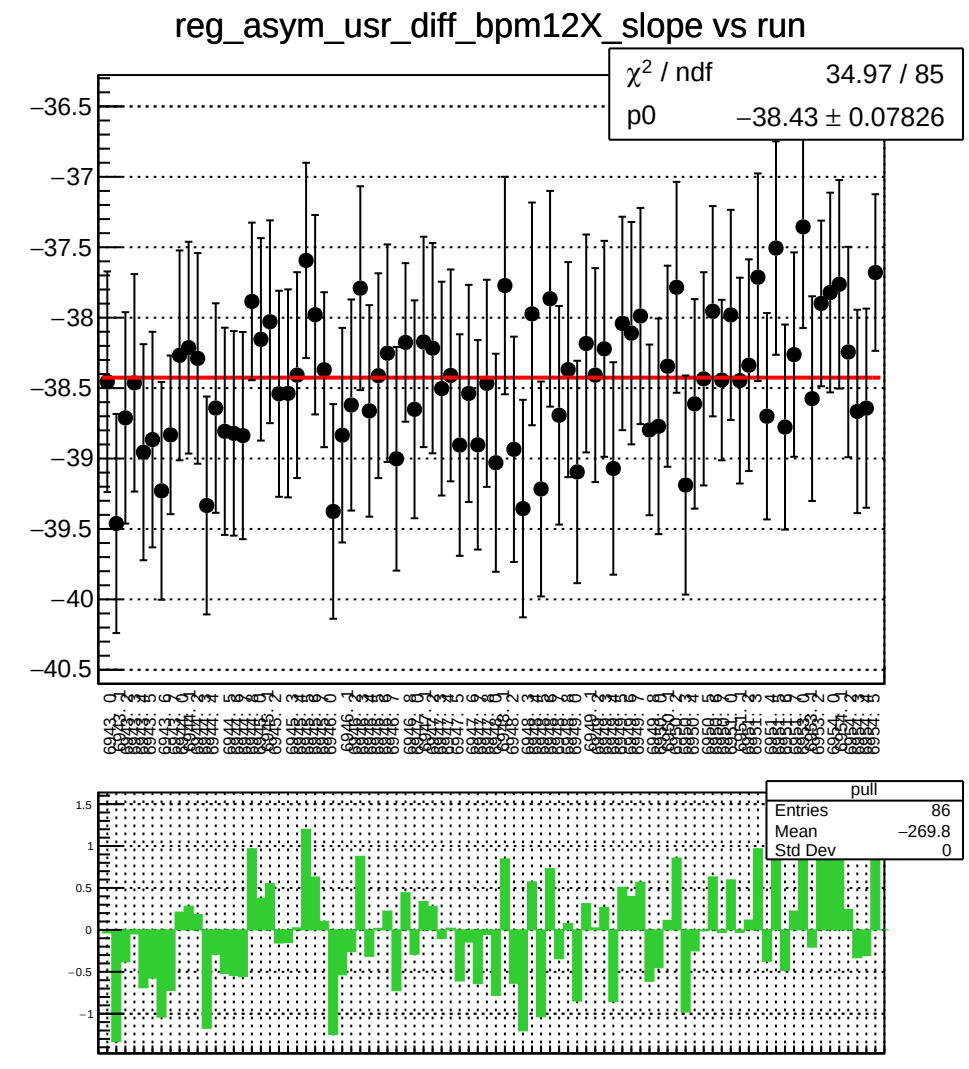

pull1D
Entries 86
Mean 0.01503
Std Dev 0.5587

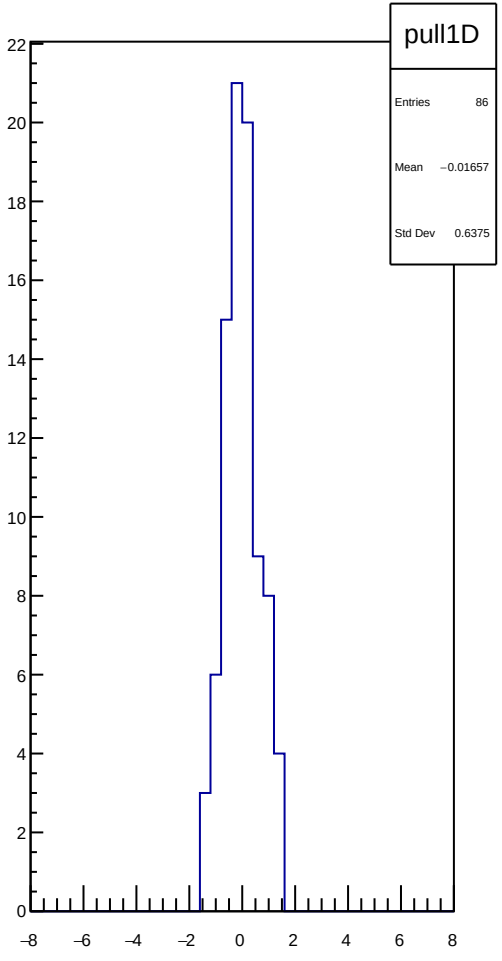

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 45.65 / 85
p0 125.8 ± 2.343
pull
Entries 86
Mean 97.75
Std Dev 0

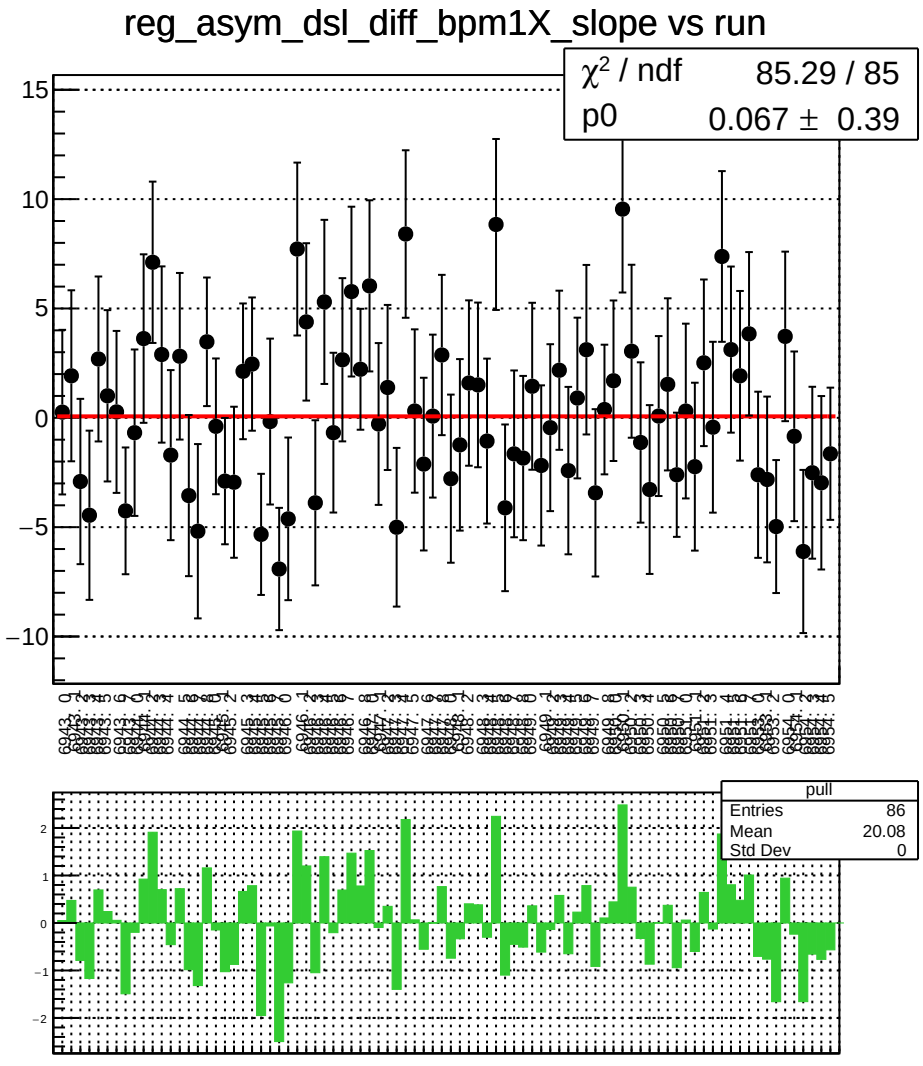

pull1D
Entries 86
Mean 0.04257
Std Dev 0.7273

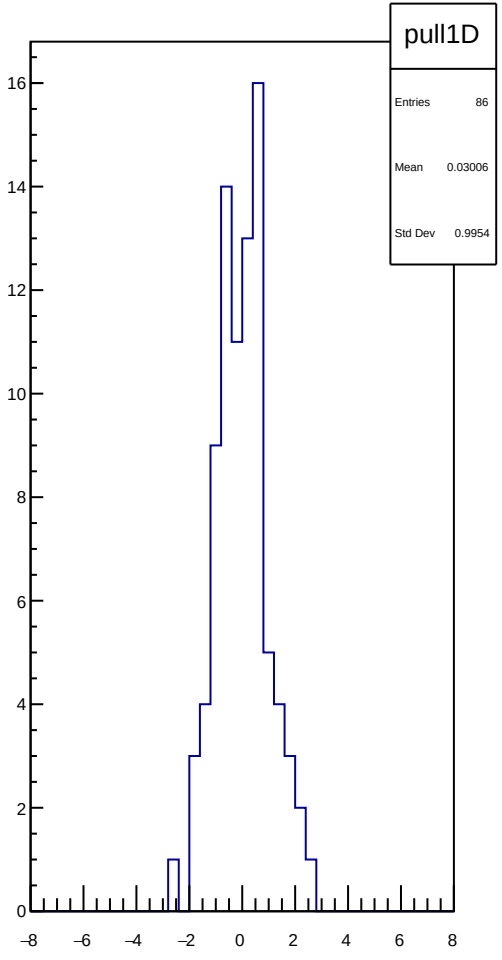

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 29.52 / 85
p0 18.98 ± 2.011
pull
Entries 86
Mean 140.9
Std Dev 0

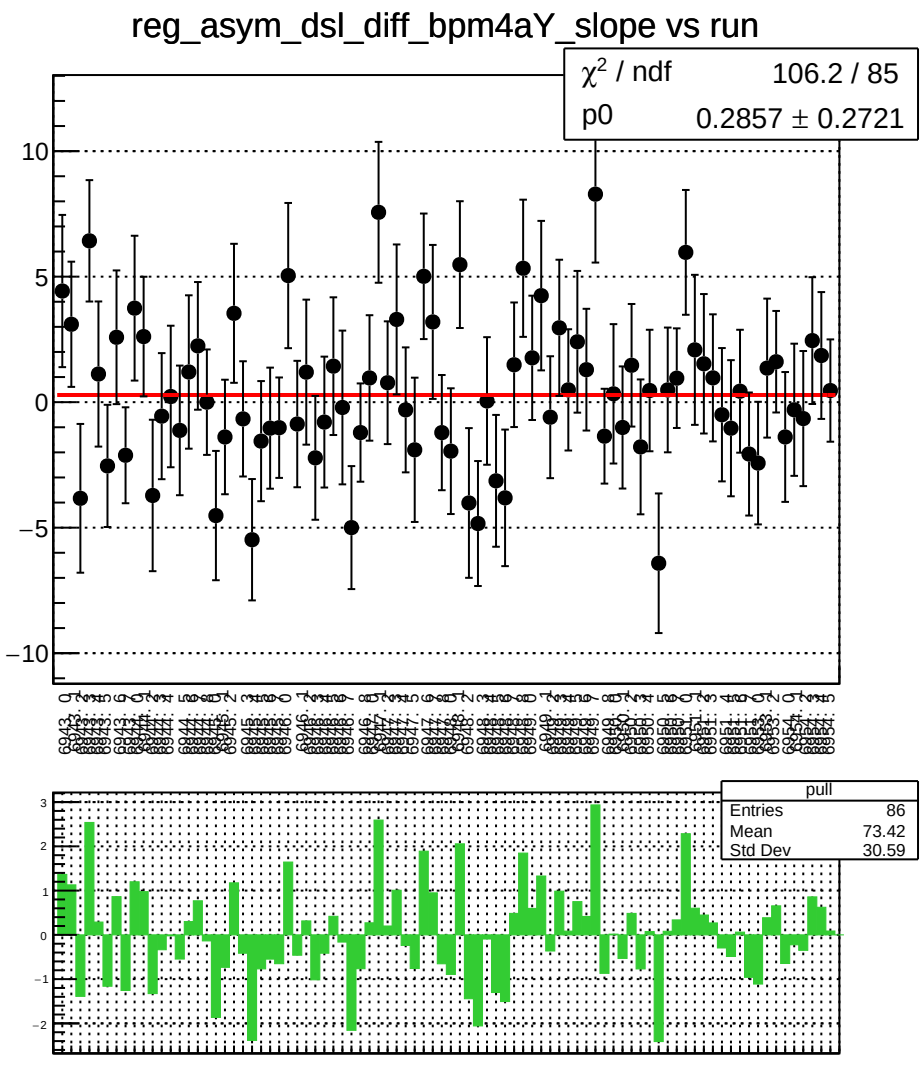

pull1D
Entries 86
Mean −0.01721
Std Dev 0.5857

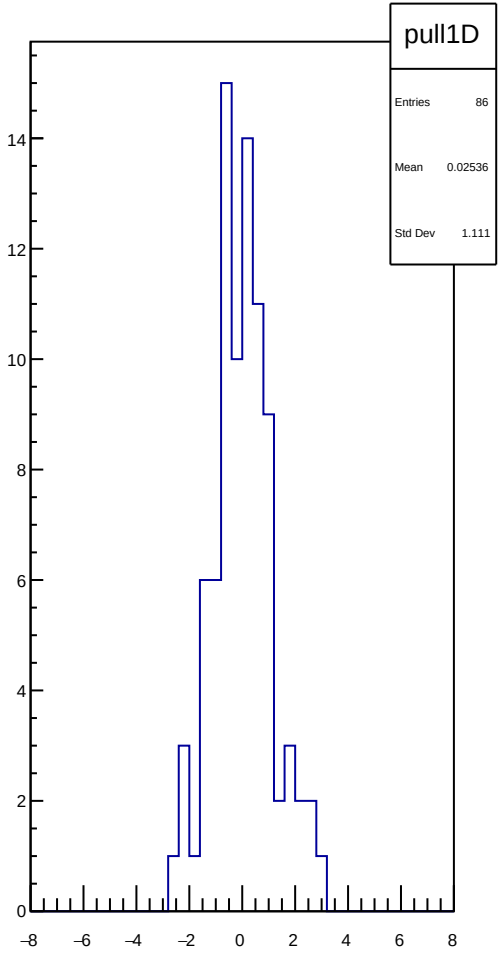

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 34.97 / 85
p0 −38.43 ± 0.07826
pull
Entries 86
Mean −269.8
Std Dev 0

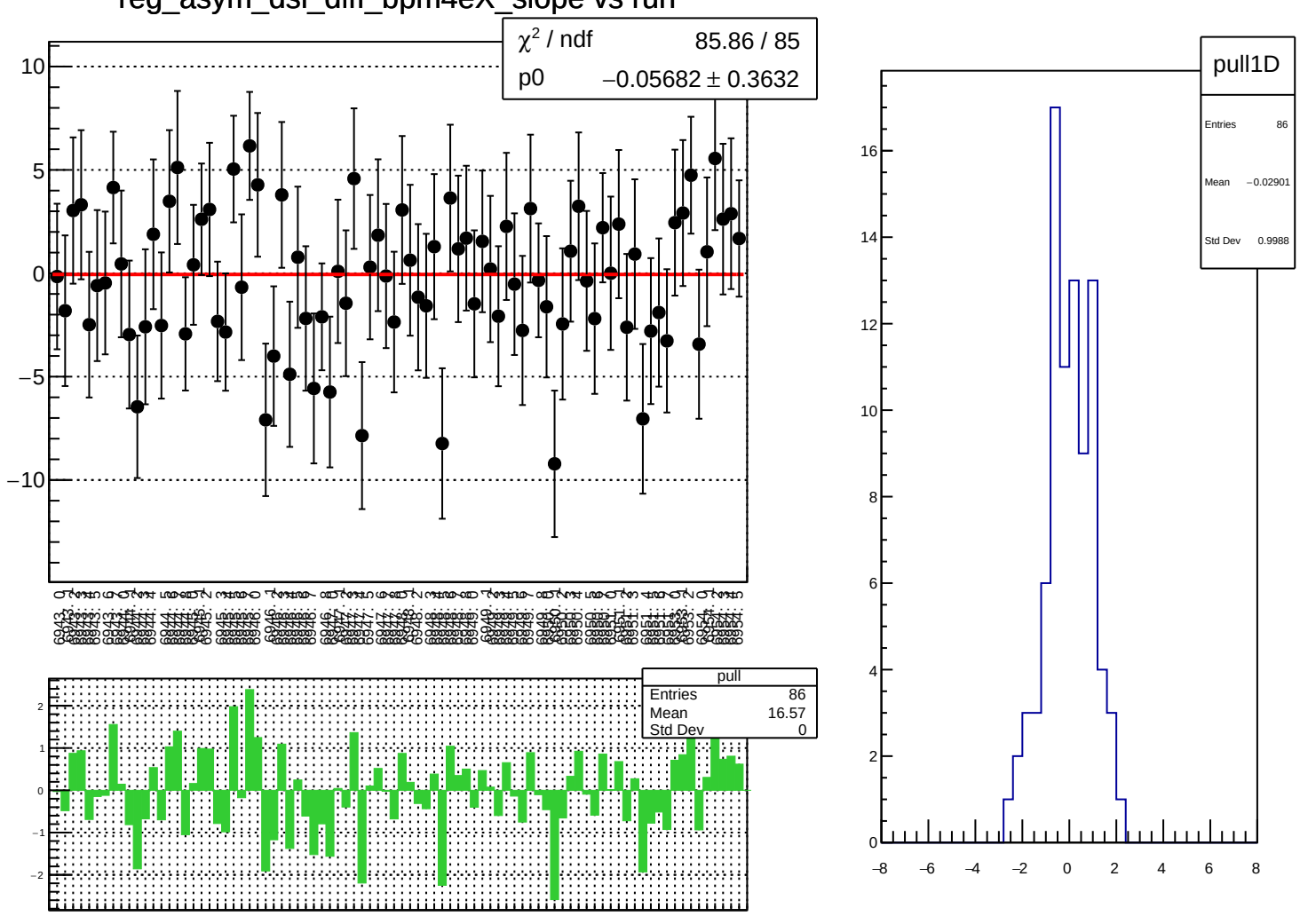

pull1D
Entries 86
Mean −0.01657
Std Dev 0.6375

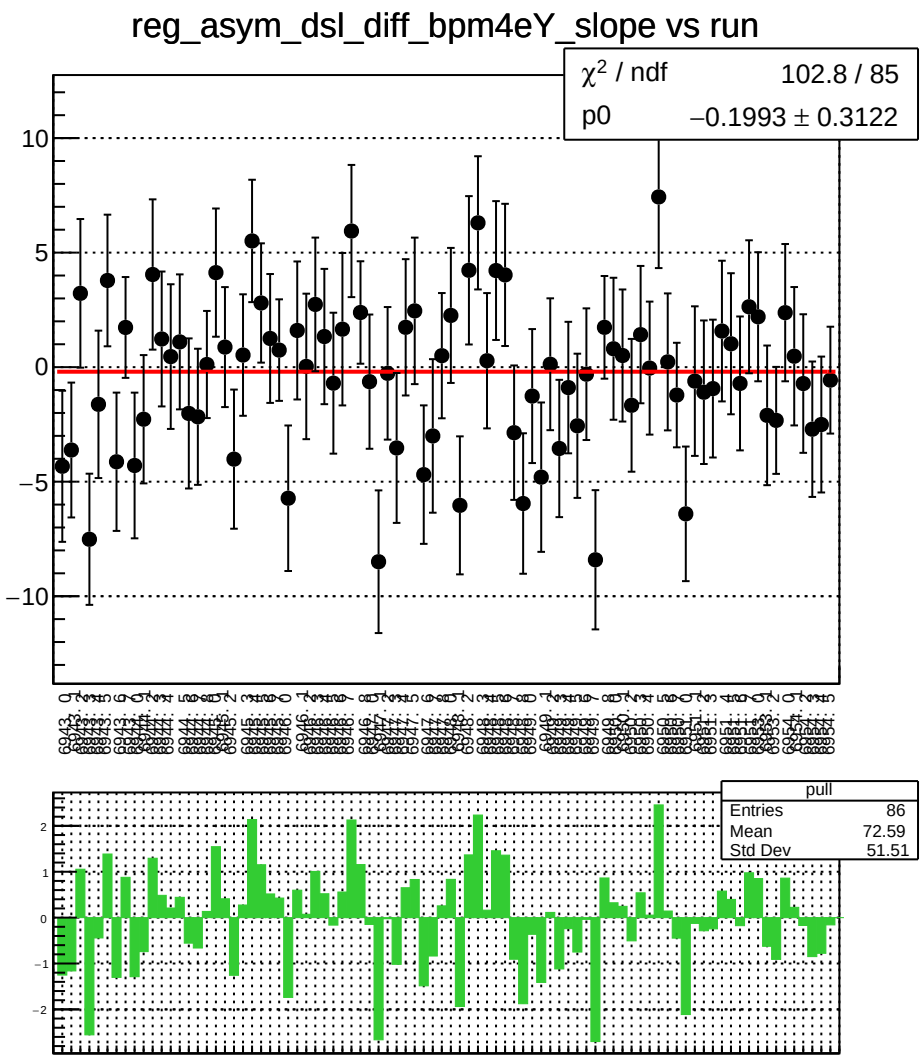

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 85.29 / 85
p0 0.067 ± 0.39
pull
Entries 86
Mean 20.08
Std Dev 0

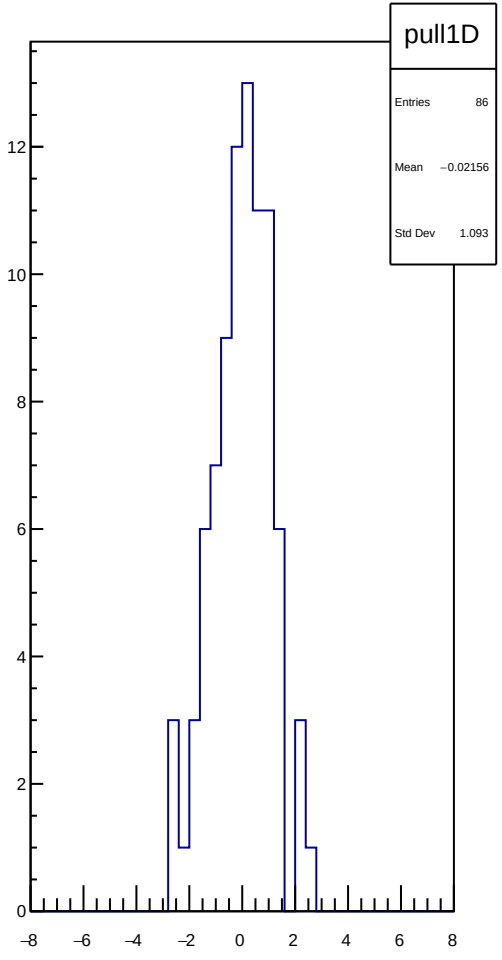

pull1D
Entries 86
Mean 0.03006
Std Dev 0.9954

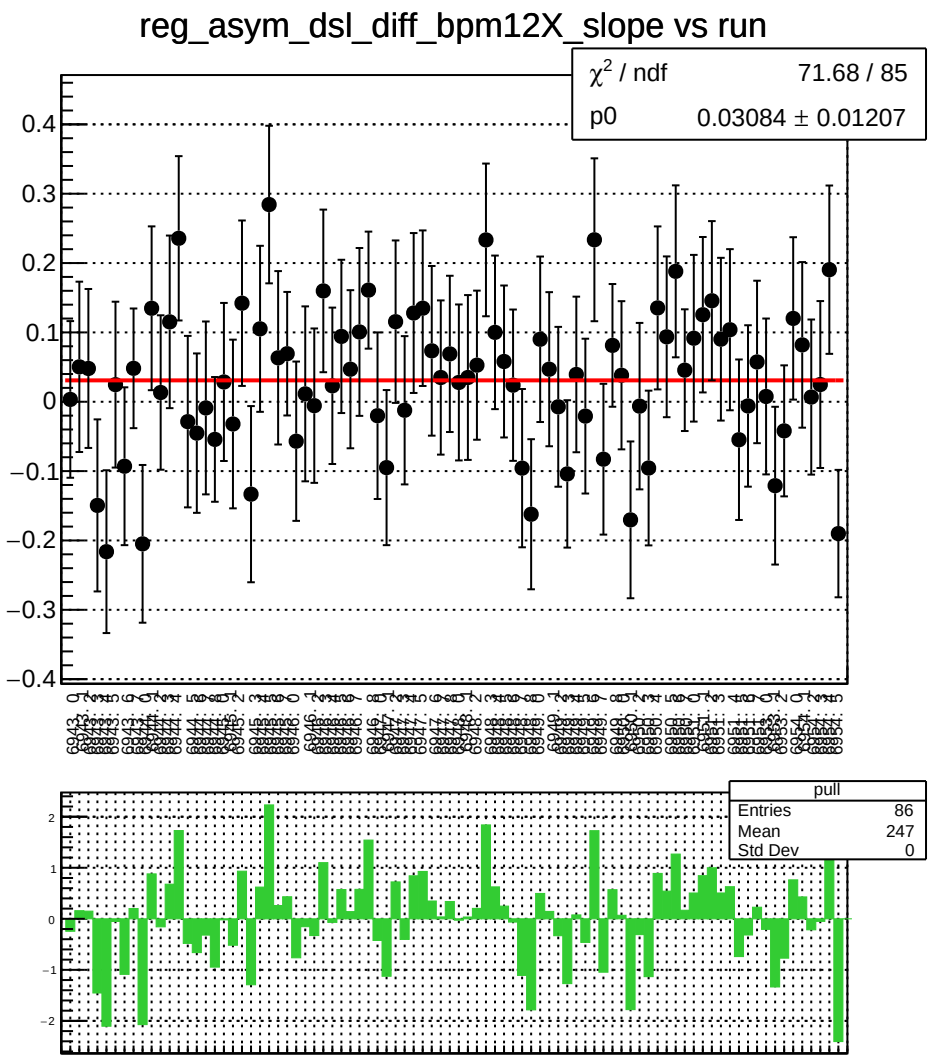

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 106.2 / 85
p0 0.2857 ± 0.2721
pull
Entries 86
Mean 73.42
Std Dev 30.59

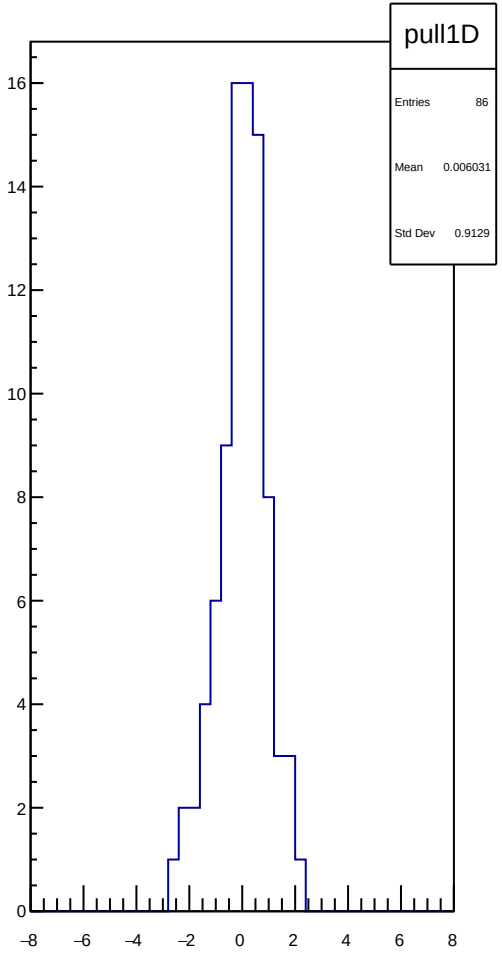

pull1D
Entries 86
Mean 0.02536
Std Dev 1.111

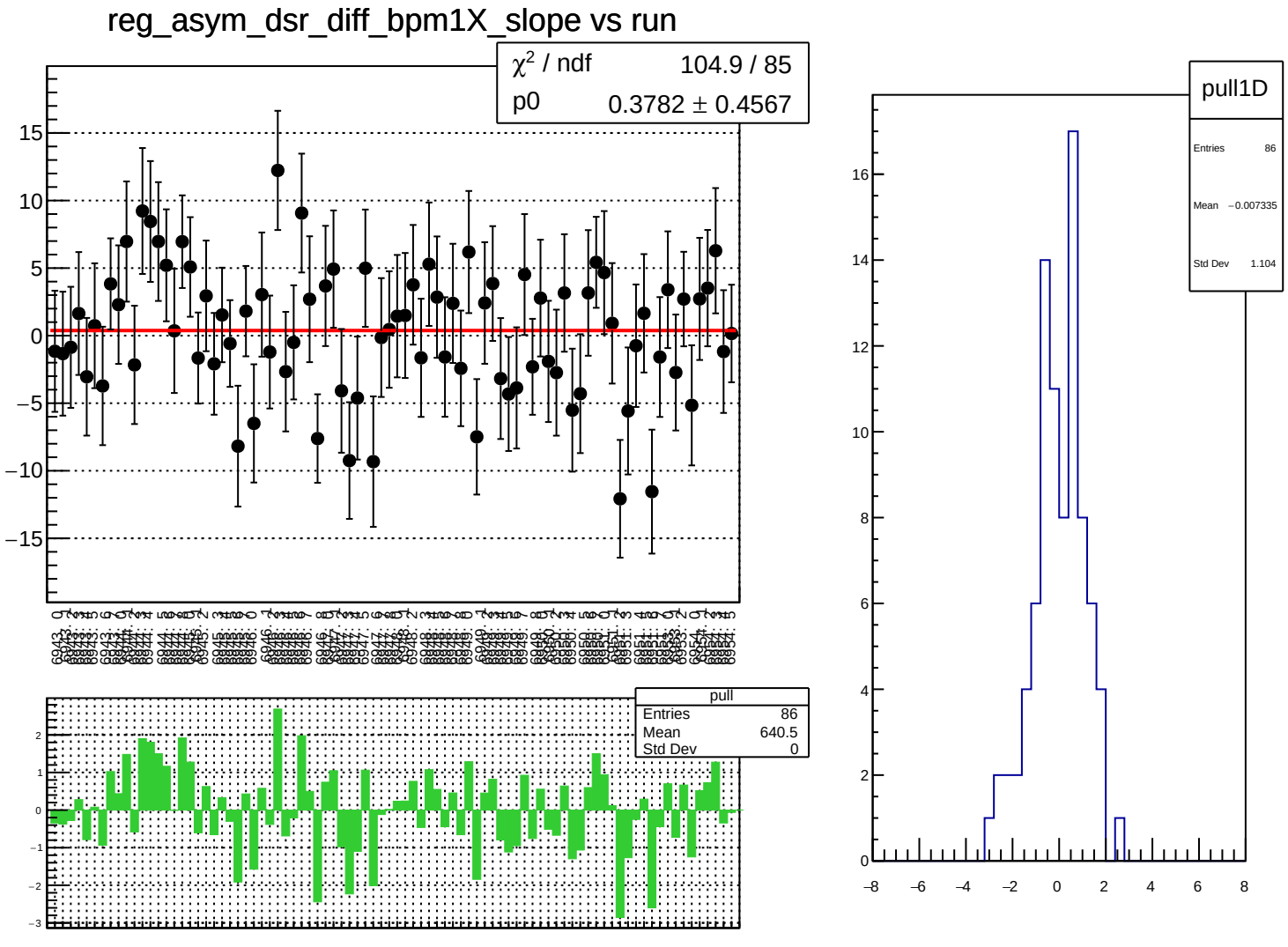

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 85.86 / 85
p0 −0.05682 ± 0.3632
pull
Entries 86
Mean 16.57
Std Dev 0
pull1D
Entries 86
Mean −0.02901
Std Dev 0.9988

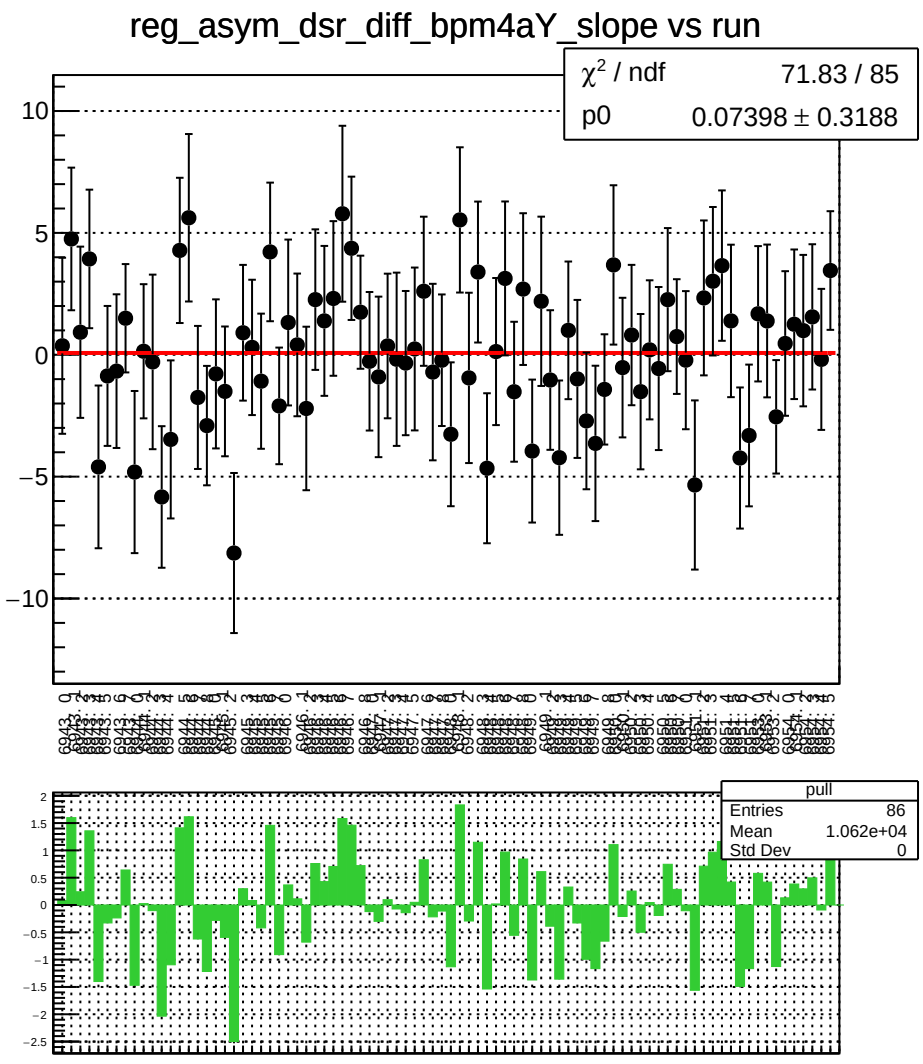

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 102.8 / 85
p0 −0.1993 ± 0.3122
pull
Entries 86
Mean 72.59
Std Dev 51.51

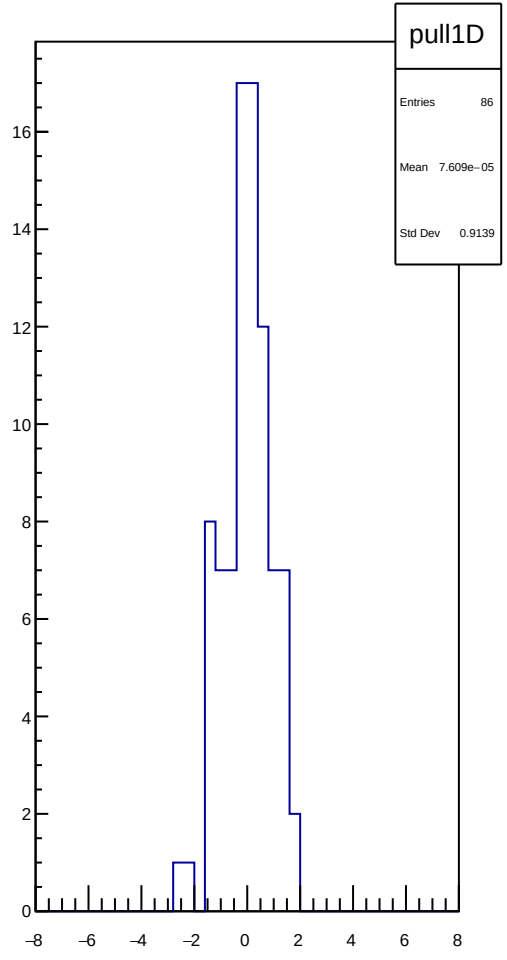

pull1D
Entries 86
Mean −0.02156
Std Dev 1.093

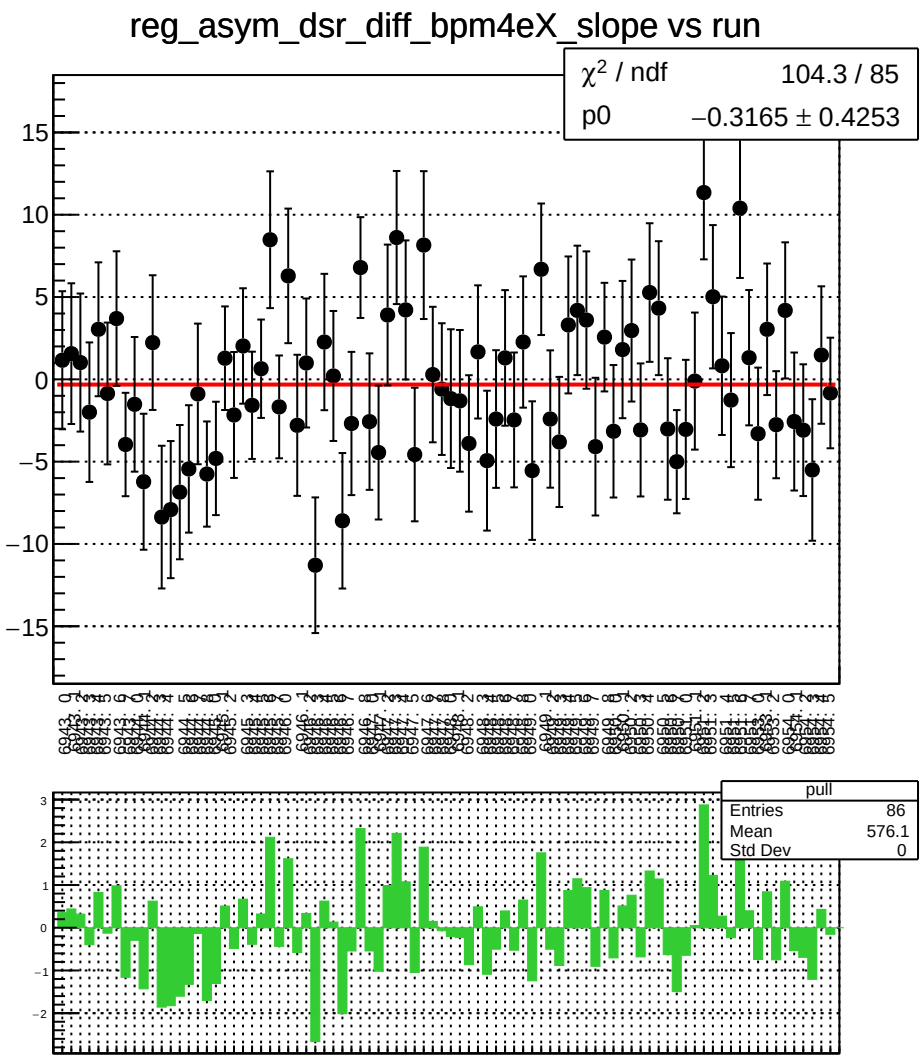

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 71.68 / 85
p0 0.03084 ± 0.01207
pull
Entries 86
Mean 247
Std Dev 0

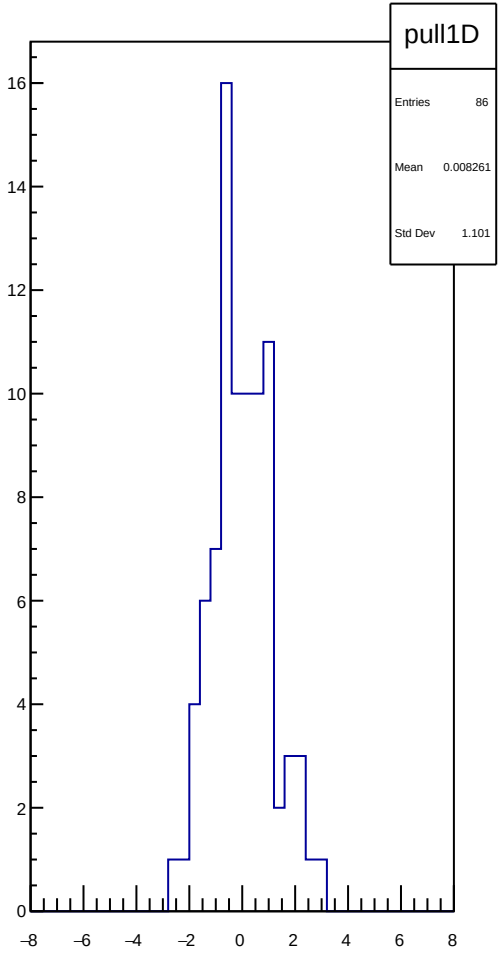

pull1D
Entries 86
Mean 0.006031
Std Dev 0.9129

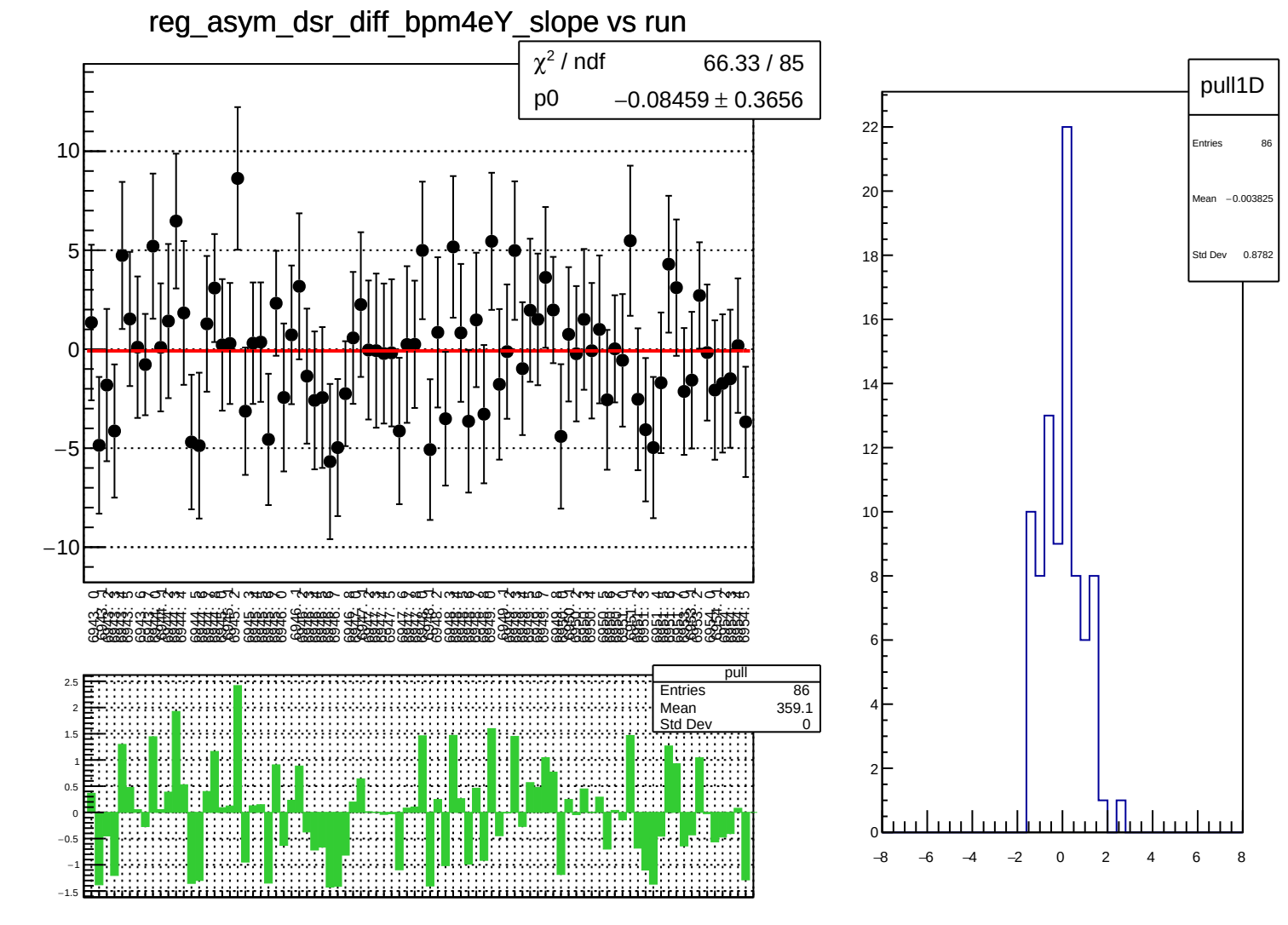

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 104.9 / 85
p0 0.3782 ± 0.4567
pull
Entries 86
Mean 640.5
Std Dev 0
pull1D
Entries 86
Mean −0.007335
Std Dev 1.104

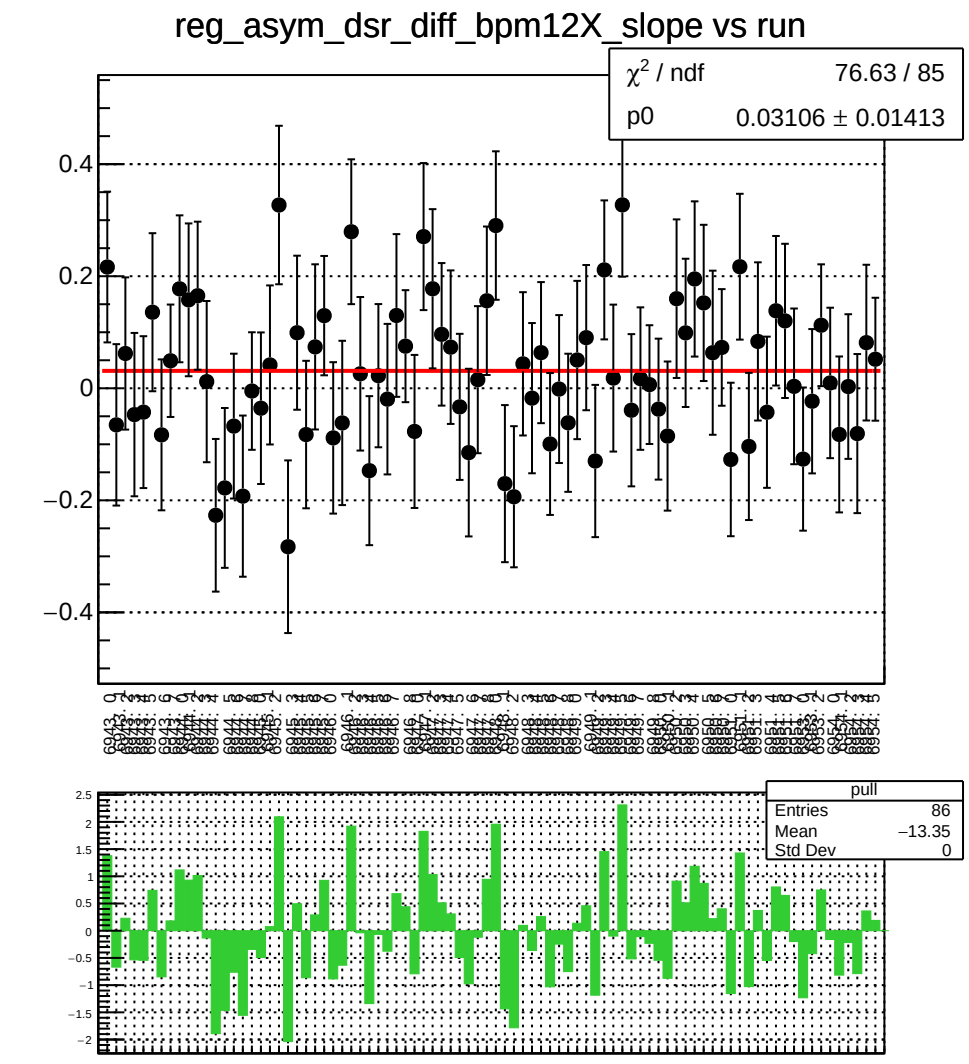

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 71.83 / 85
p0 0.07398 ± 0.3188
pull
Entries 86
Mean 1.062e+04
Std Dev 0

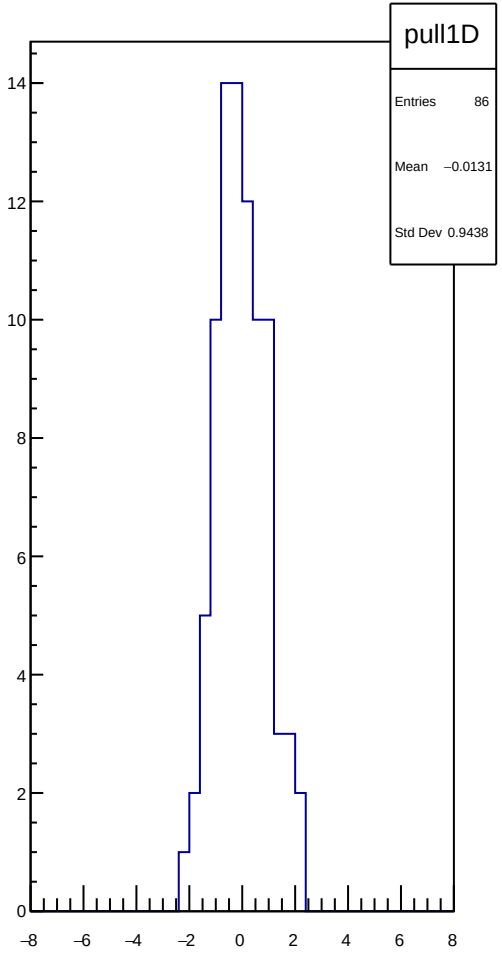

pull1D
Entries 86
Mean 7.609e−05
Std Dev 0.9139

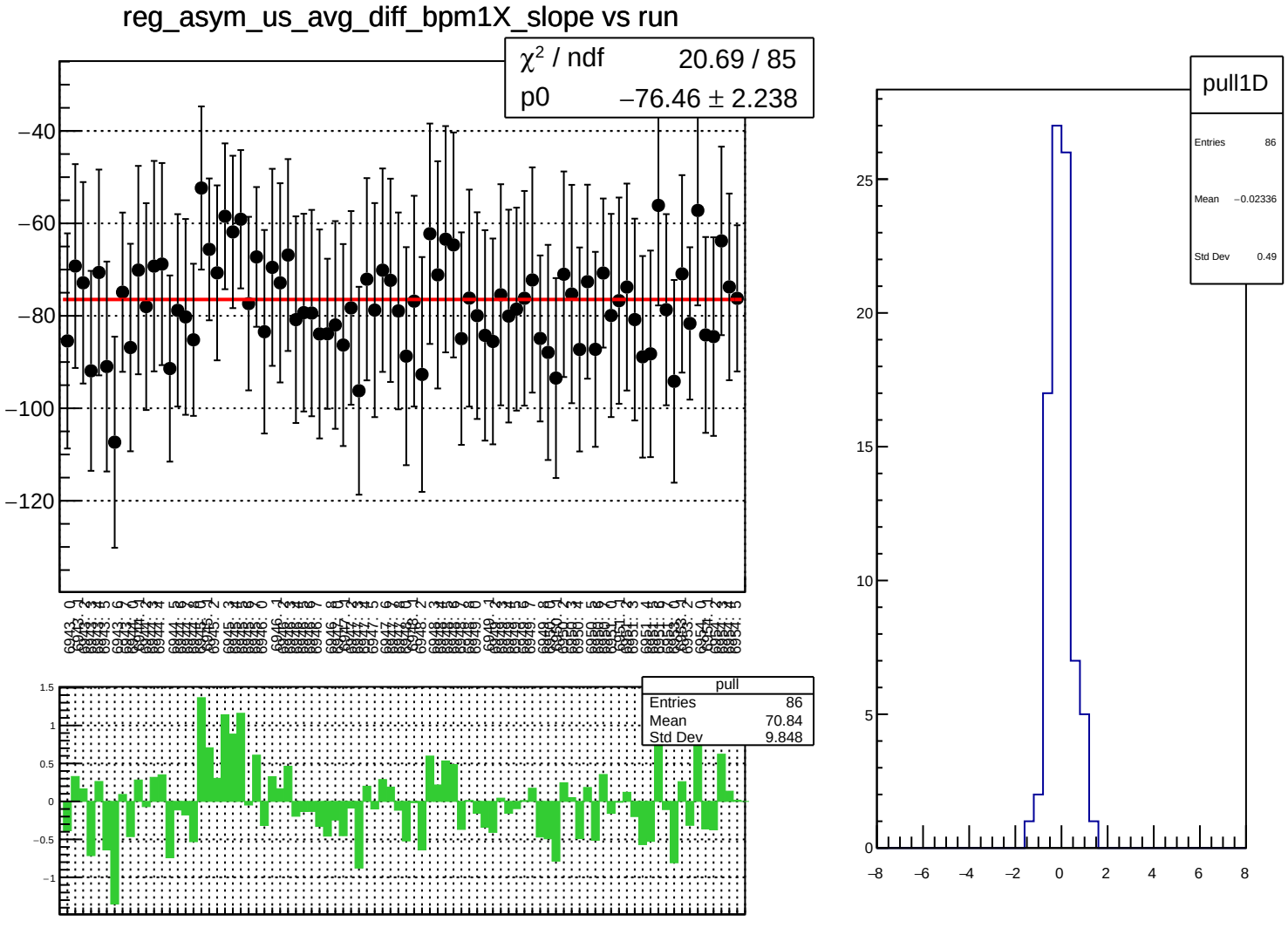

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 104.3 / 85
p0 −0.3165 ± 0.4253
pull
Entries 86
Mean 576.1
Std Dev 0

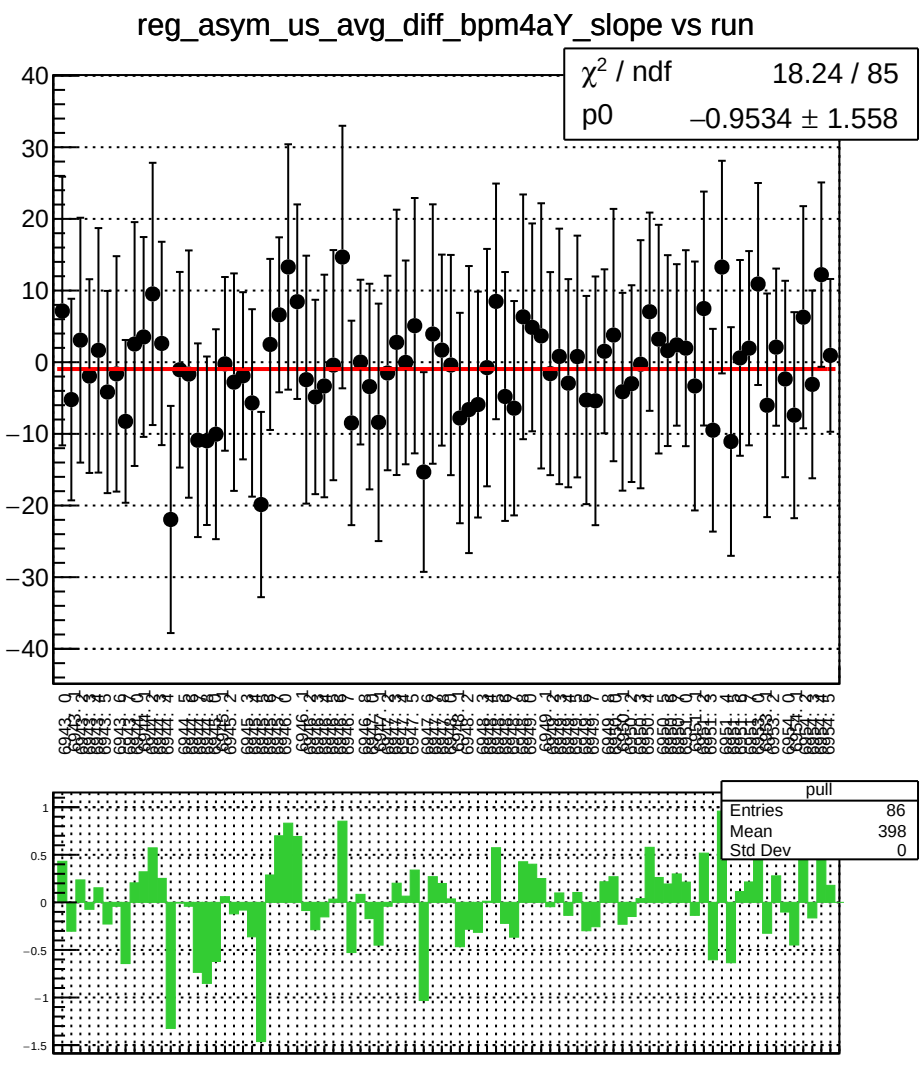

pull1D
Entries 86
Mean 0.008261
Std Dev 1.101

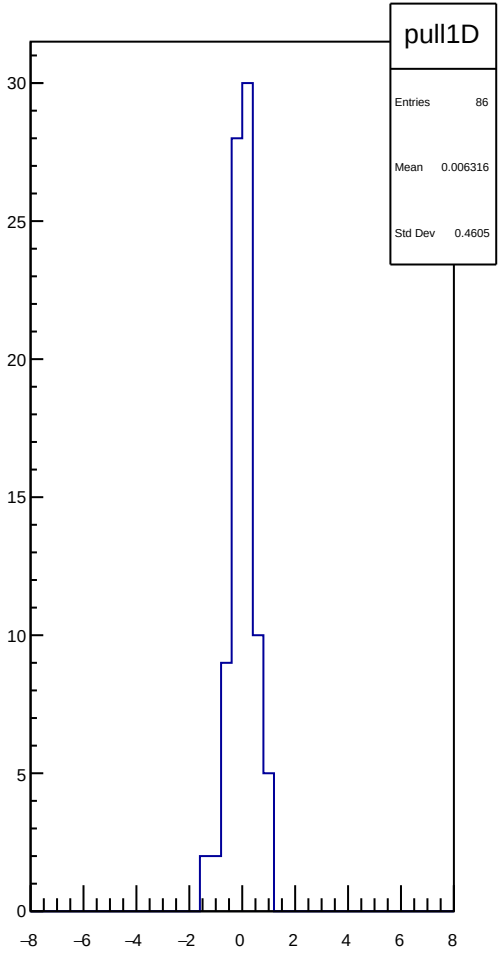

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 66.33 / 85
p0 −0.08459 ± 0.3656
pull
Entries 86
Mean 359.1
Std Dev 0
pull1D
Entries 86
Mean −0.003825
Std Dev 0.8782

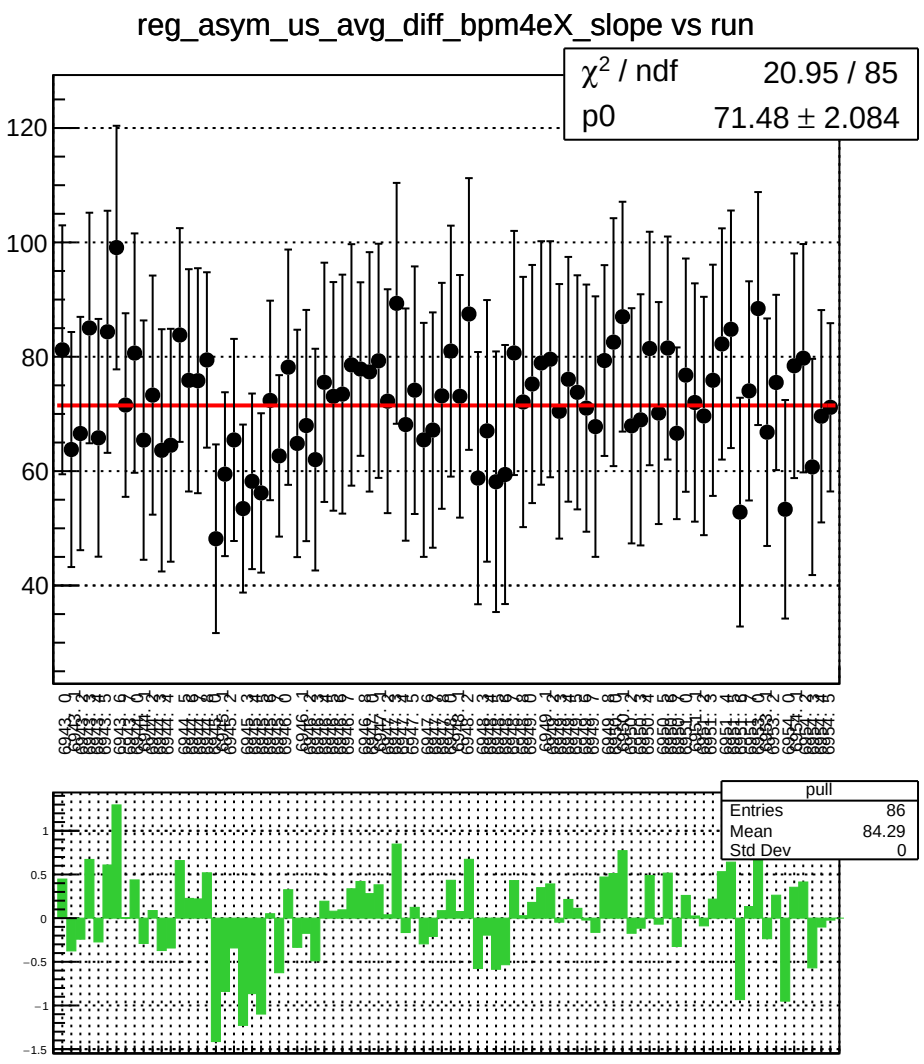

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 76.63 / 85
p0 0.03106 ± 0.01413
pull
Entries 86
Mean −13.35
Std Dev 0

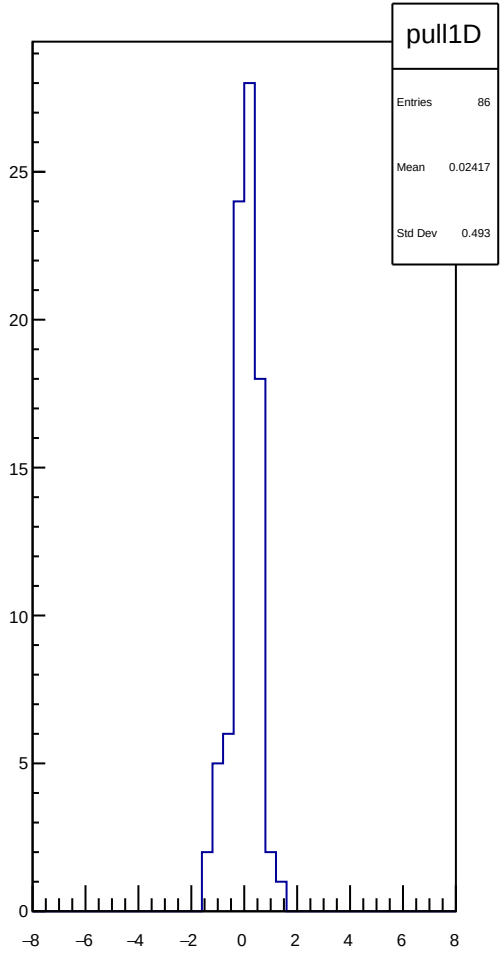

pull1D
Entries 86
Mean −0.0131
Std Dev 0.9438

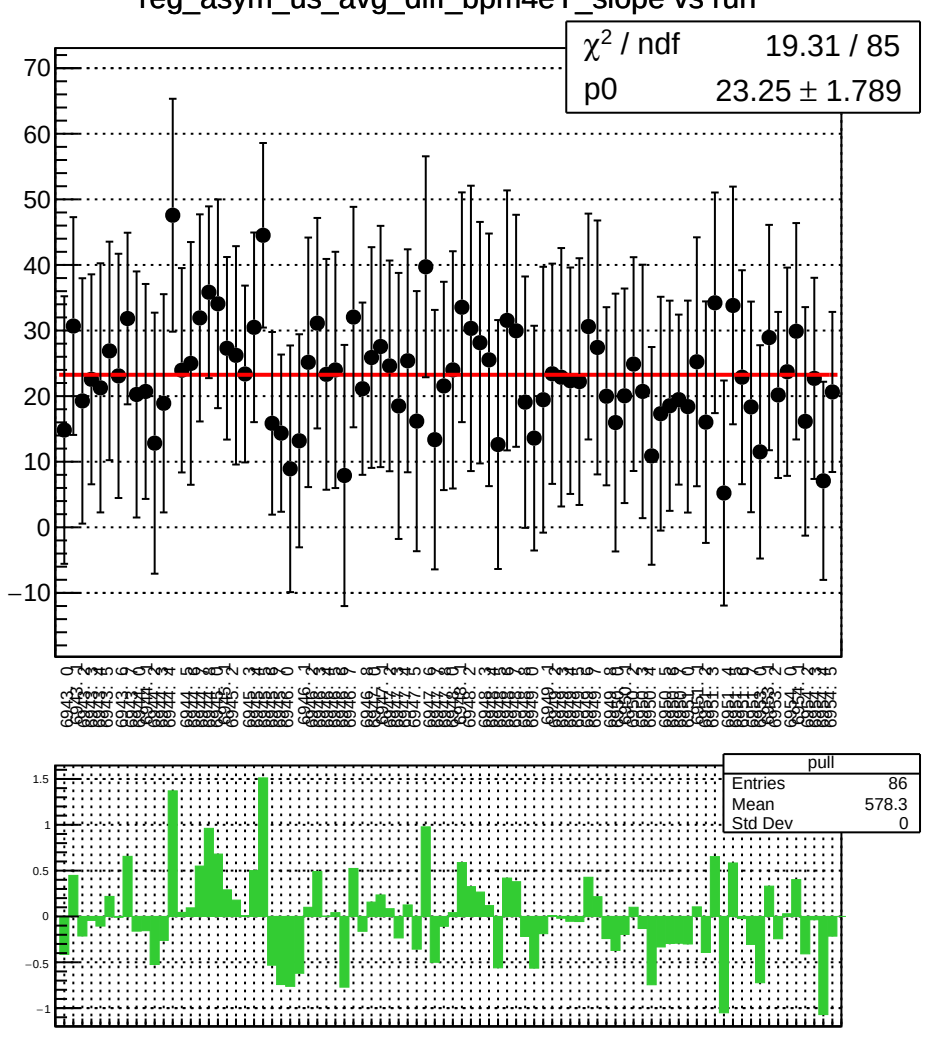

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 20.69 / 85
p0 −76.46 ± 2.238
−40
−60
−80
−100
−120
pull
Entries 86
Mean 70.84
Std Dev 9.848
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.02336
Std Dev 0.49
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

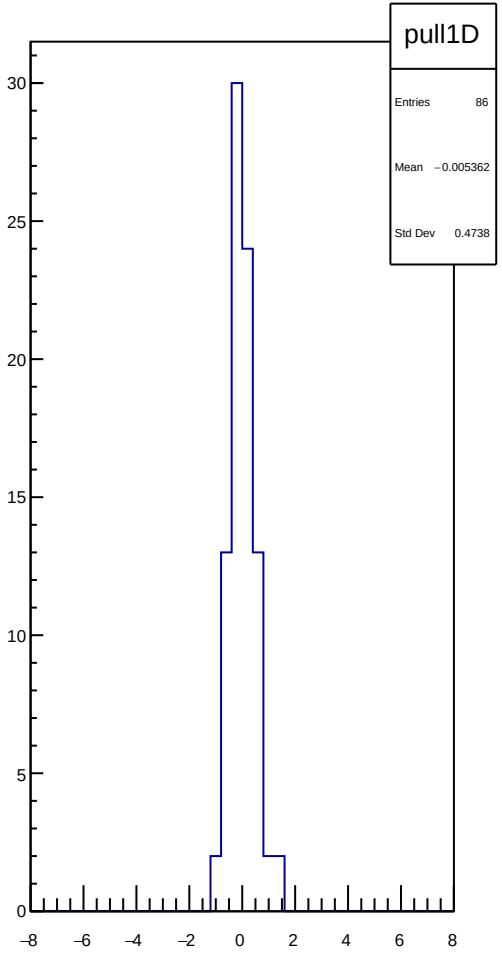

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 85
p0 −0.9534 ± 1.558
pull
Entries 86
Mean 398
Std Dev 0

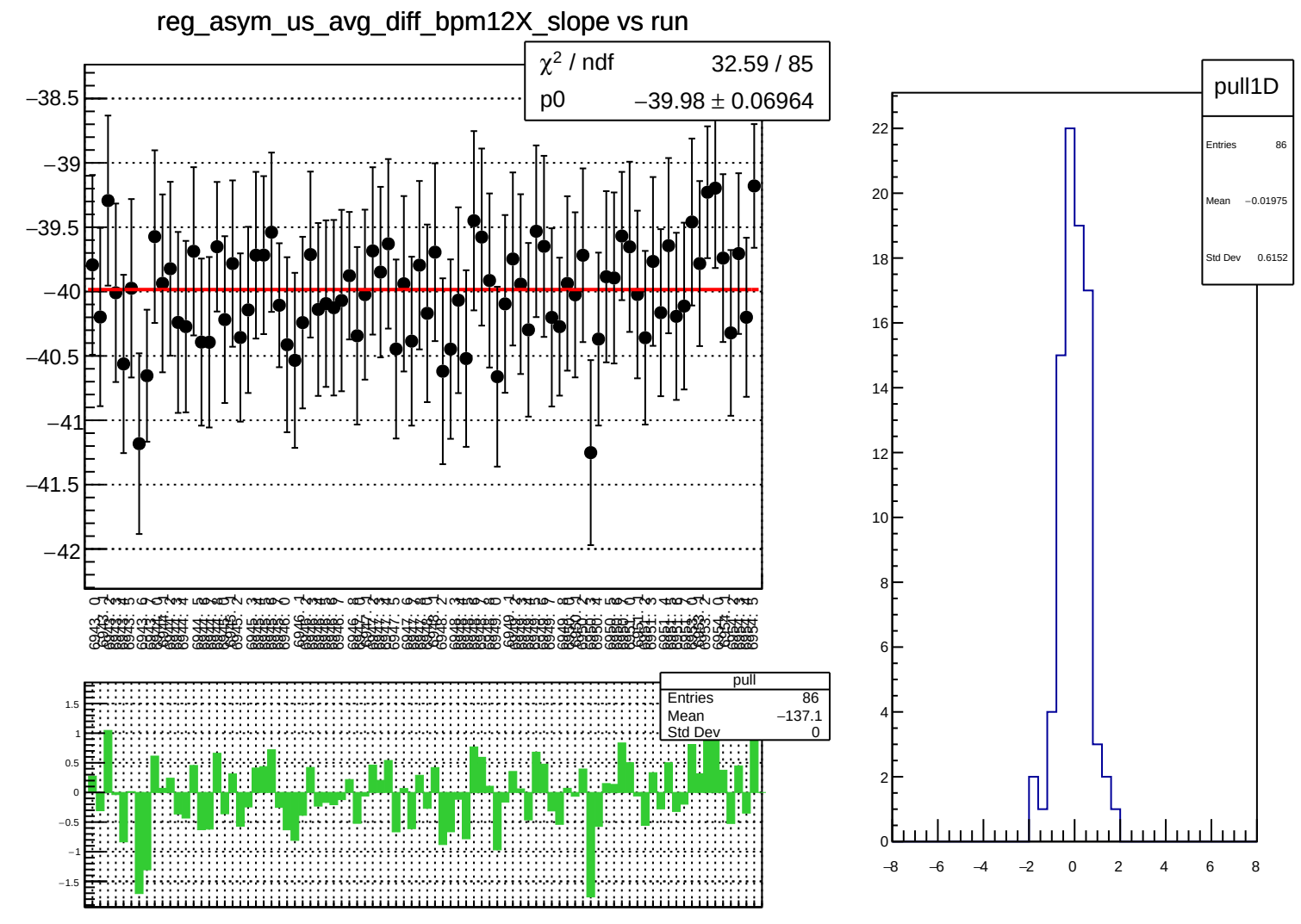

pull1D
Entries 86
Mean 0.006316
Std Dev 0.4605

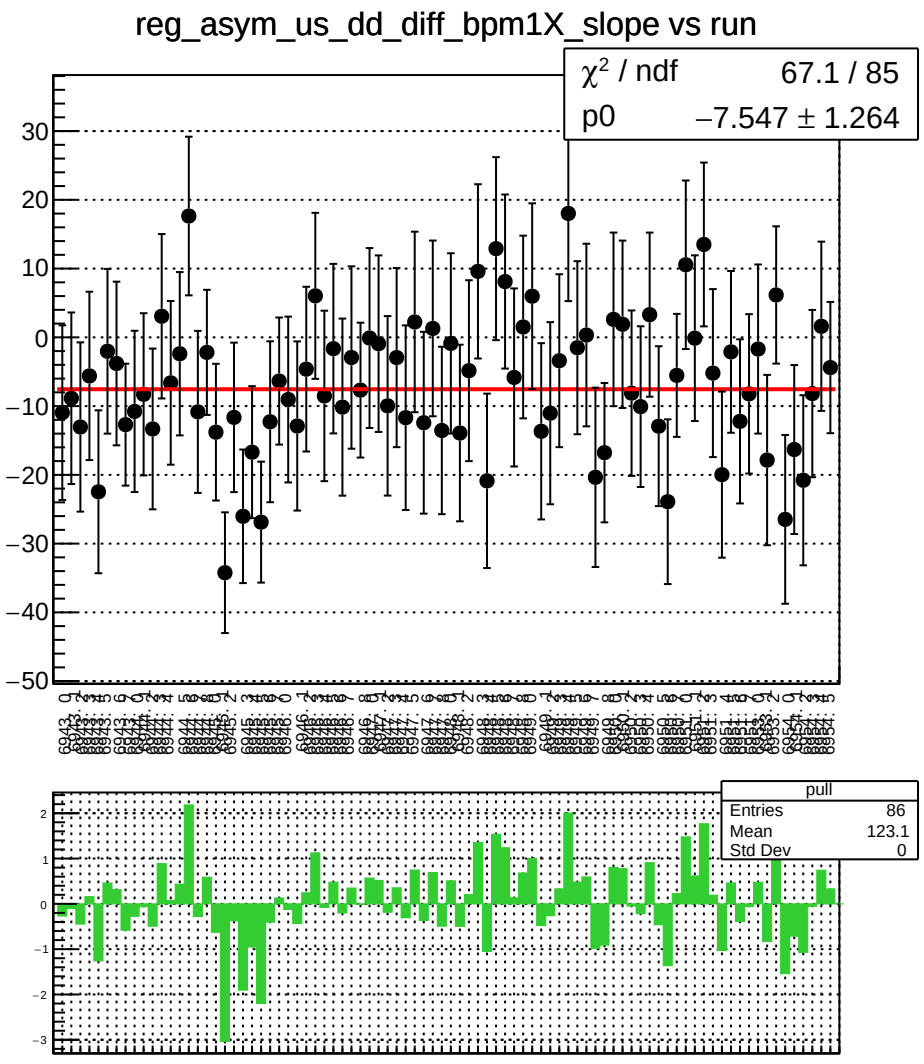

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.95 / 85
p0 71.48 ± 2.084
120
100
80
60
40
pull
Entries 86
Mean 84.29
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

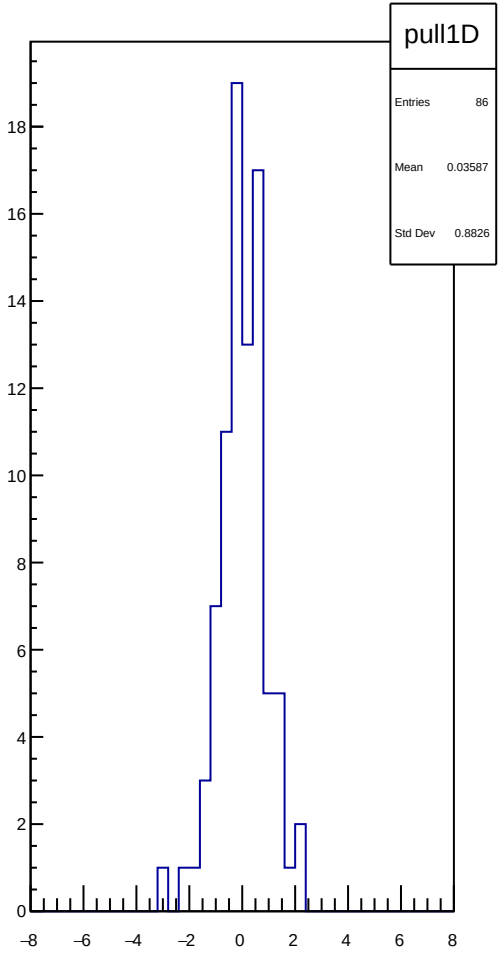

pull1D
Entries 86
Mean 0.02417
Std Dev 0.493
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

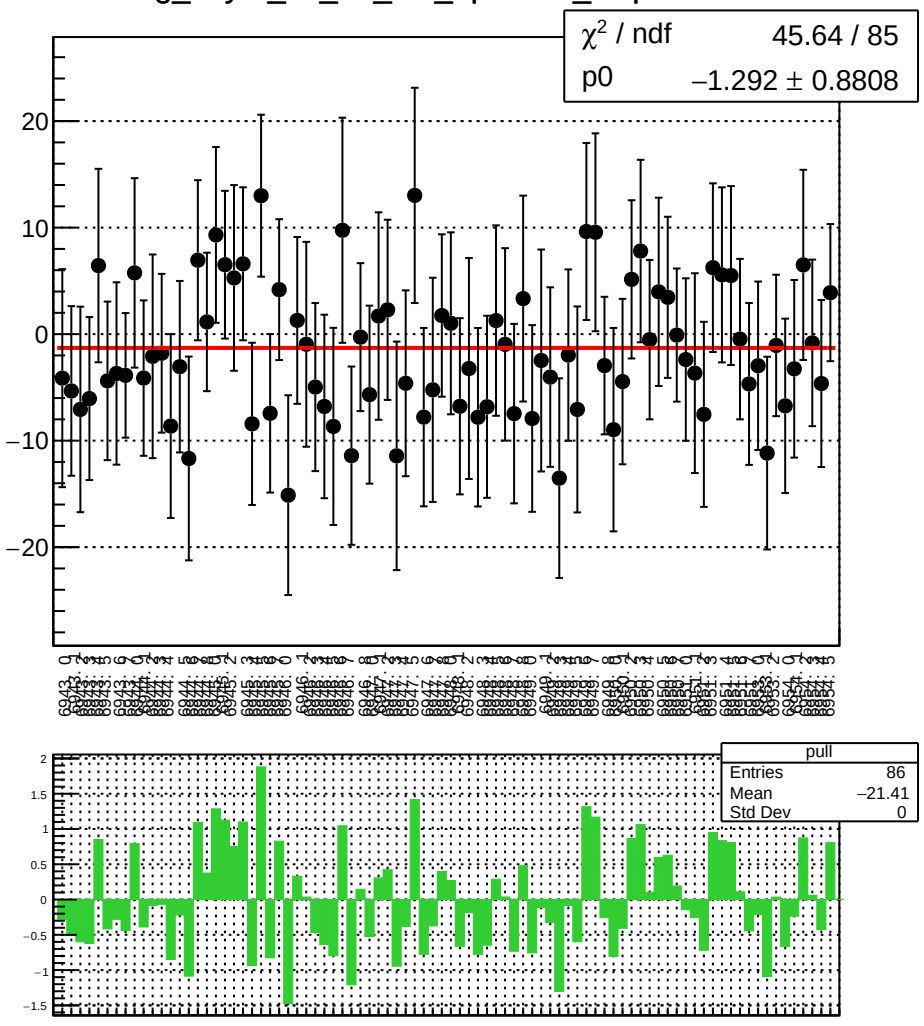

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.31 / 85
p0 23.25 ± 1.789
pull
Entries 86
Mean 578.3
Std Dev 0

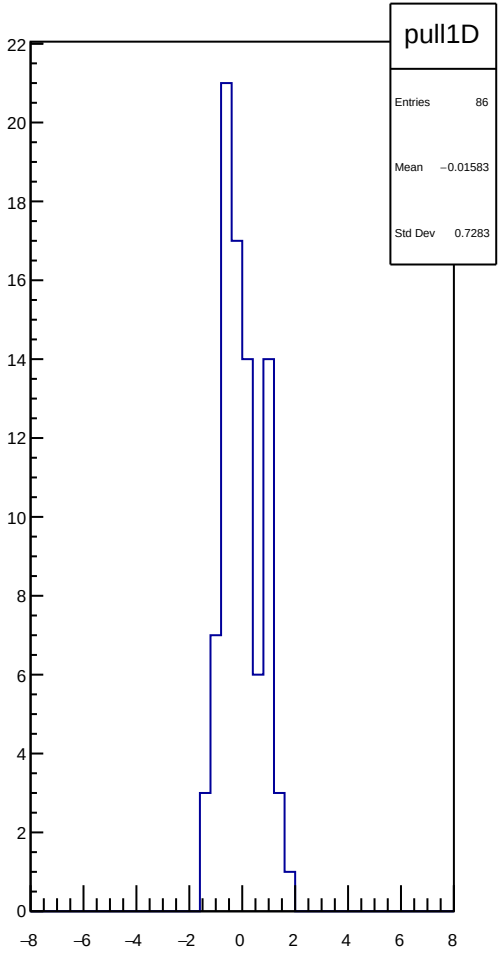

pull1D
Entries 86
Mean −0.005362
Std Dev 0.4738

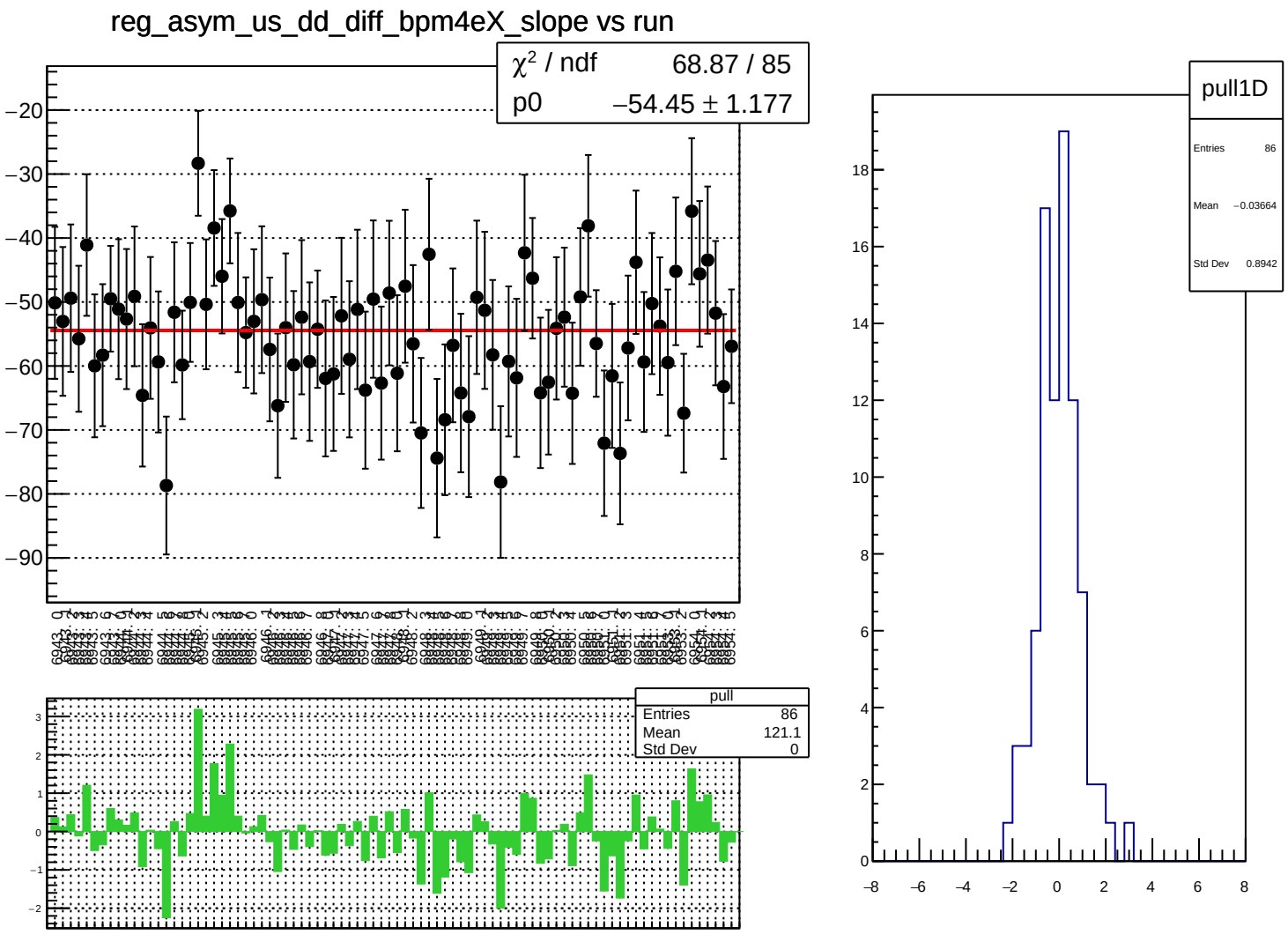

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 32.59 / 85
p0 −39.98 ± 0.06964
−38.5
−39
−39.5
−40
−40.5
−41
−41.5
−42
pull
Entries 86
Mean −137.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.01975
Std Dev 0.6152
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

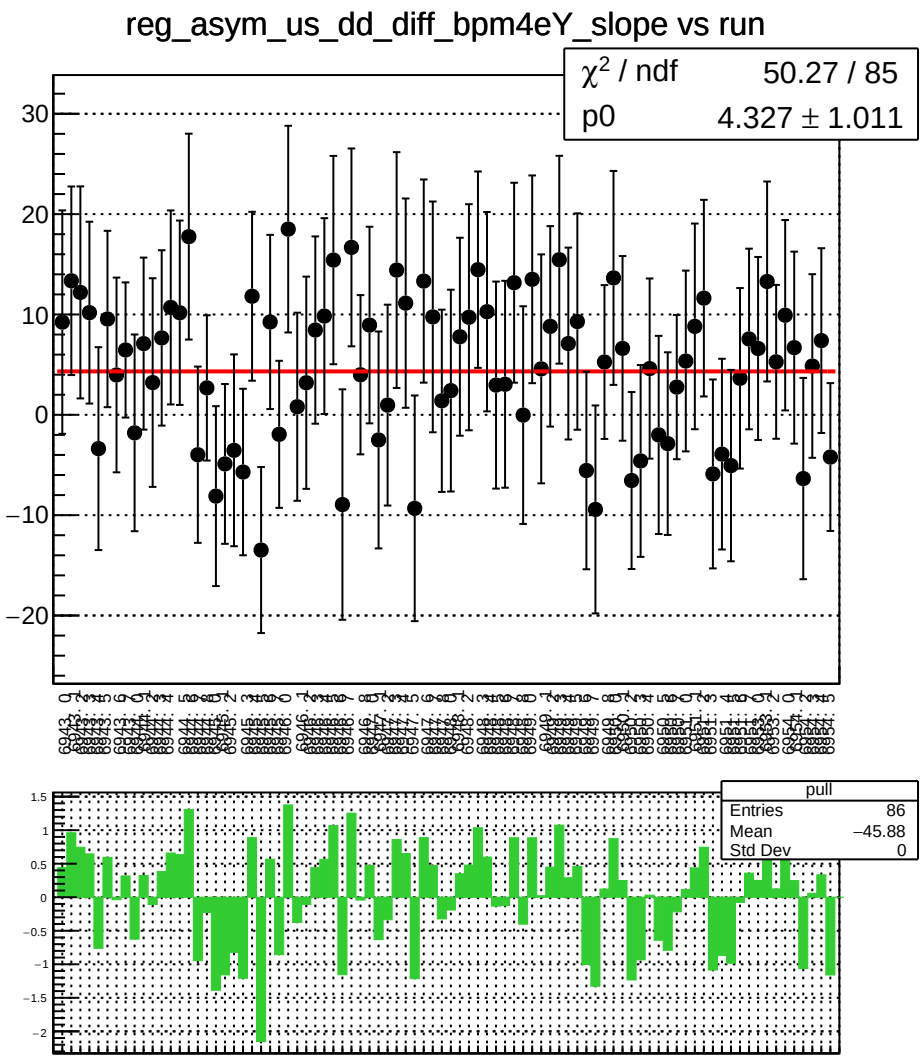

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 67.1 / 85
p0 −7.547 ± 1.264
pull
Entries 86
Mean 123.1
Std Dev 0

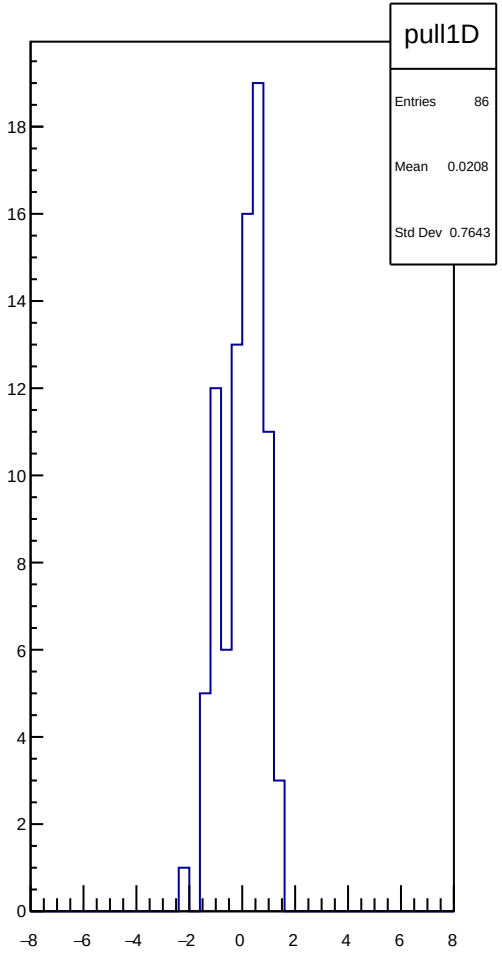

pull1D
Entries 86
Mean 0.03587
Std Dev 0.8826

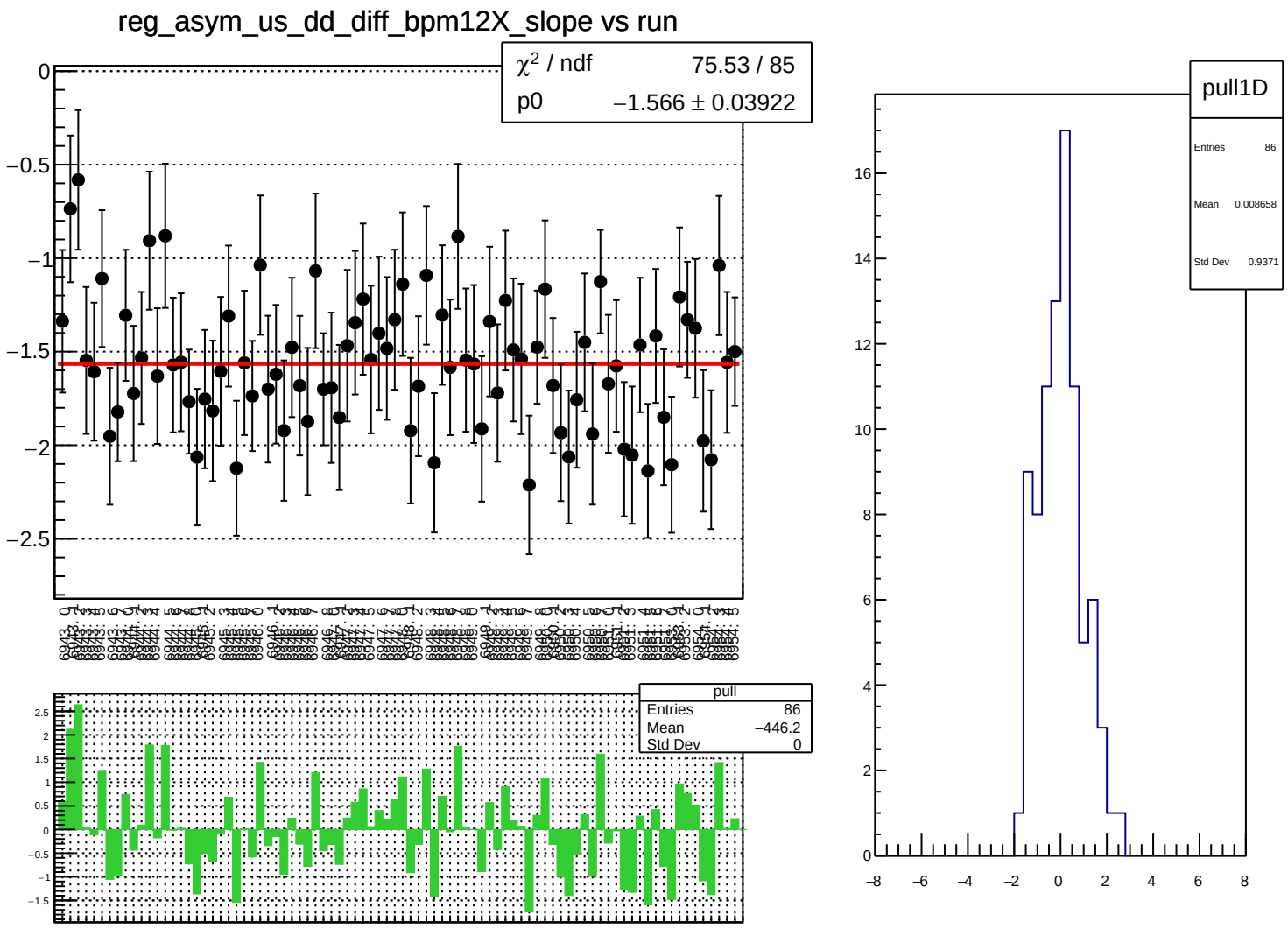

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.64 / 85
p0 −1.292 ± 0.8808
pull
Entries 86
Mean −21.41
Std Dev 0

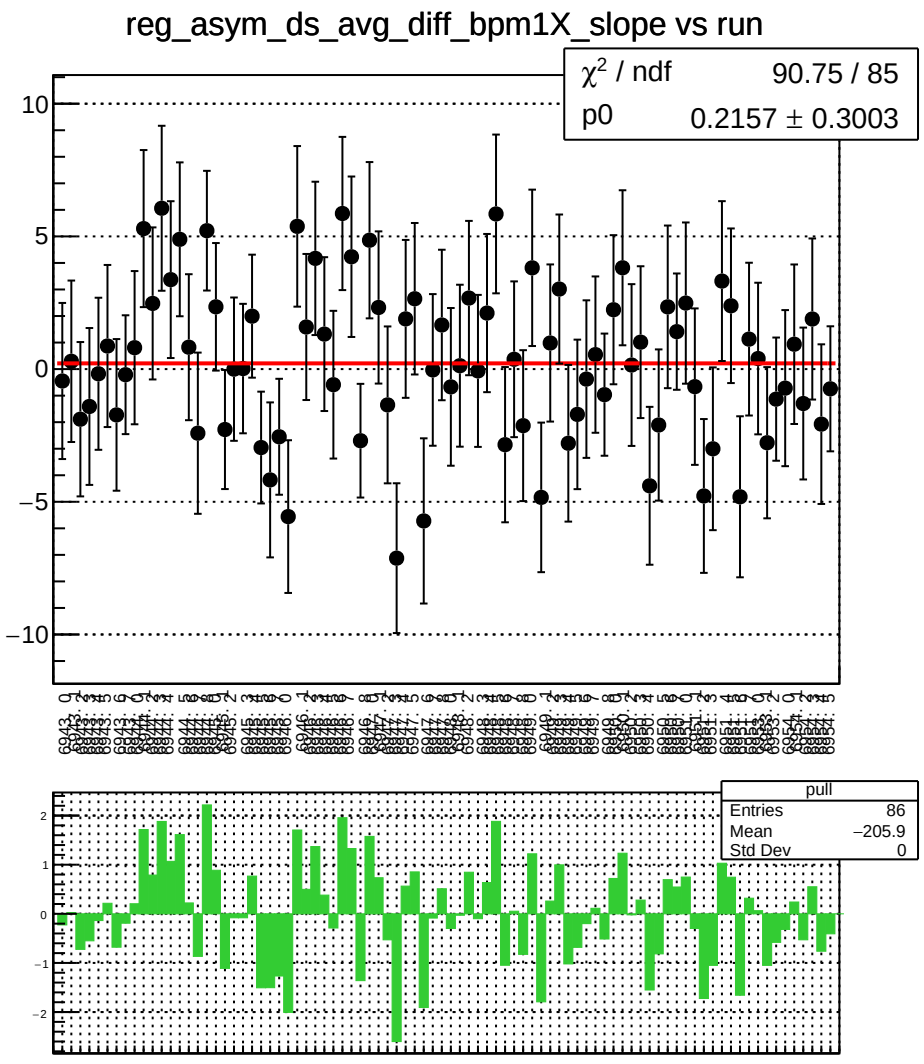

pull1D
Entries 86
Mean −0.01583
Std Dev 0.7283

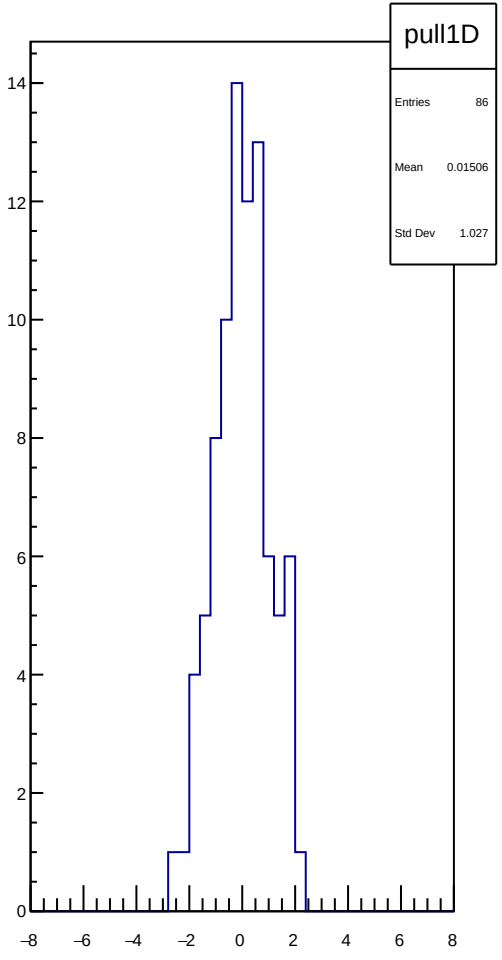

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.87 / 85
p0 −54.45 ± 1.177
pull
Entries 86
Mean 121.1
Std Dev 0
pull1D
Entries 86
Mean −0.03664
Std Dev 0.8942

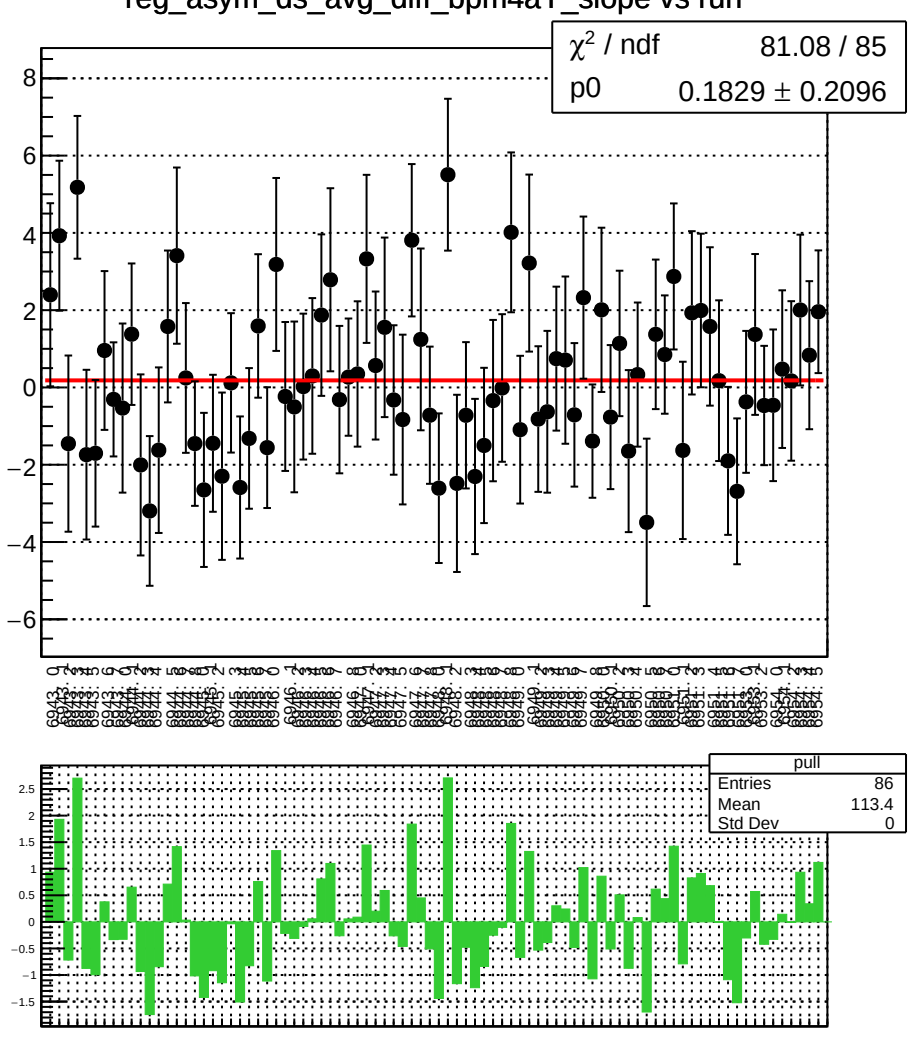

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.27 / 85
p0 4.327 ± 1.011
pull
Entries 86
Mean −45.88
Std Dev 0

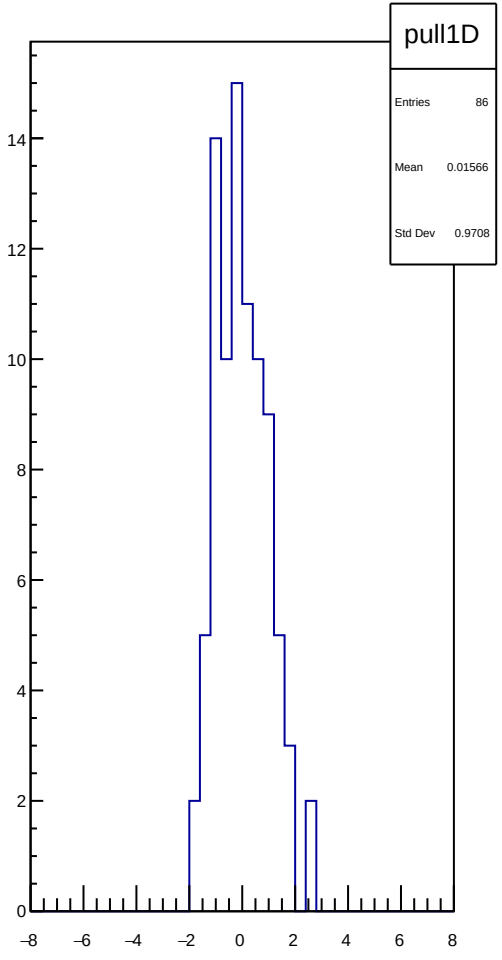

pull1D
Entries 86
Mean 0.0208
Std Dev 0.7643

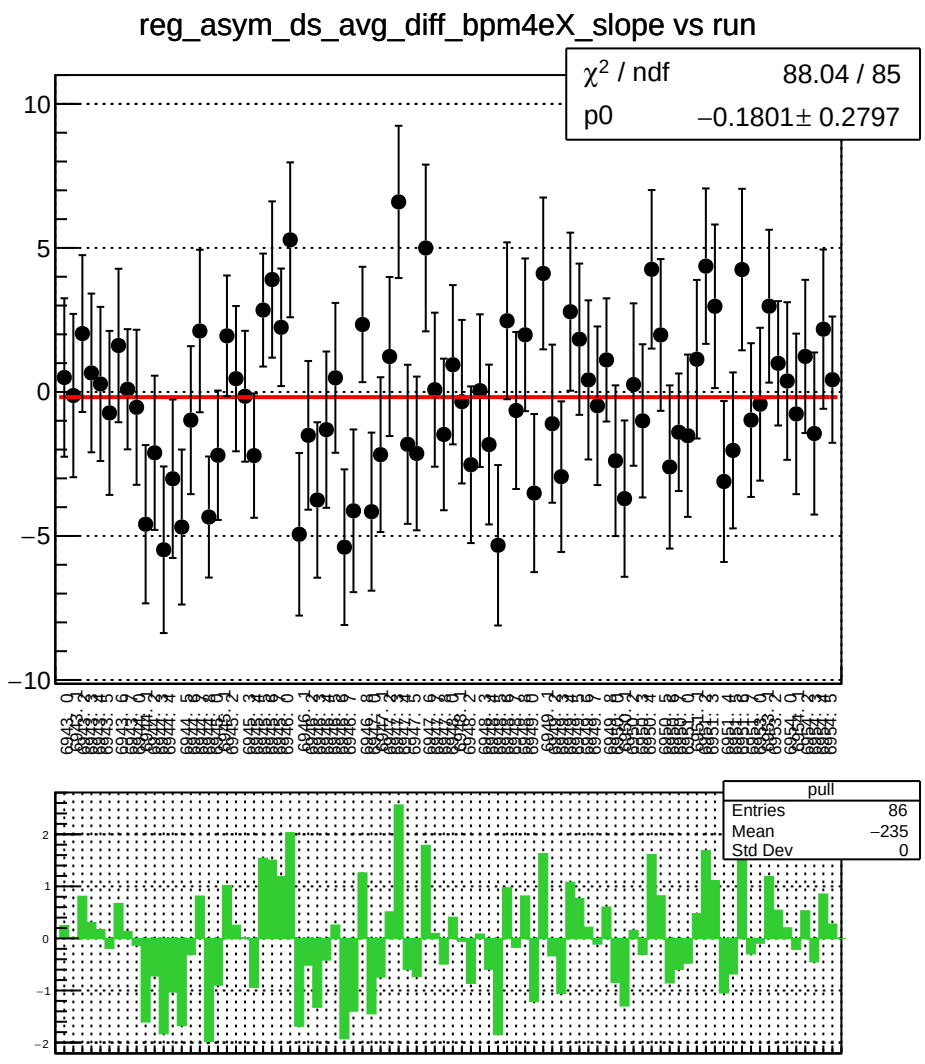

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 75.53 / 85
p0 −1.566 ± 0.03922
pull
Entries 86
Mean −446.2
Std Dev 0
pull1D
Entries 86
Mean 0.008658
Std Dev 0.9371

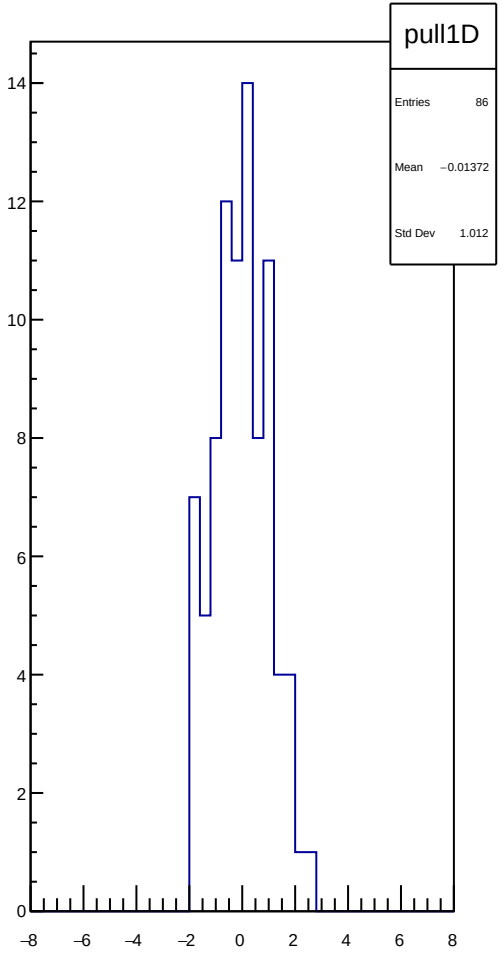

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 90.75 / 85
p0 0.2157 ± 0.3003
pull
Entries 86
Mean −205.9
Std Dev 0

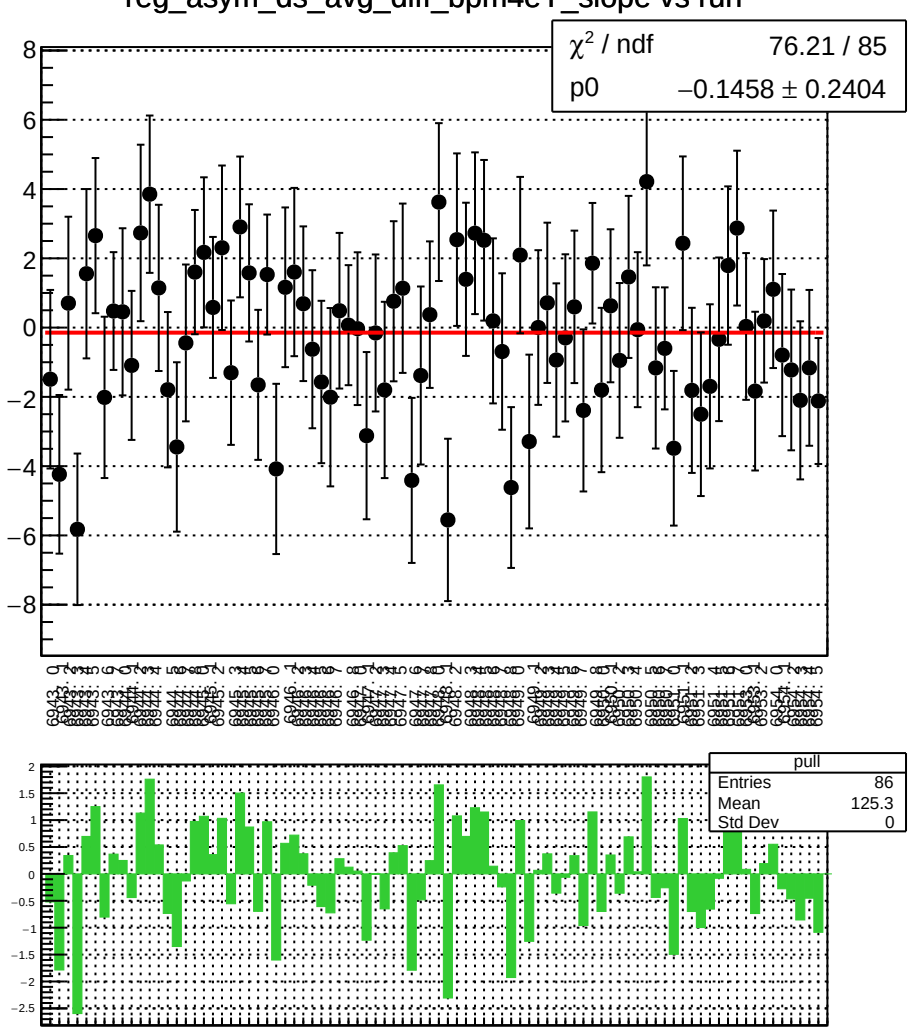

pull1D
Entries 86
Mean 0.01506
Std Dev 1.027

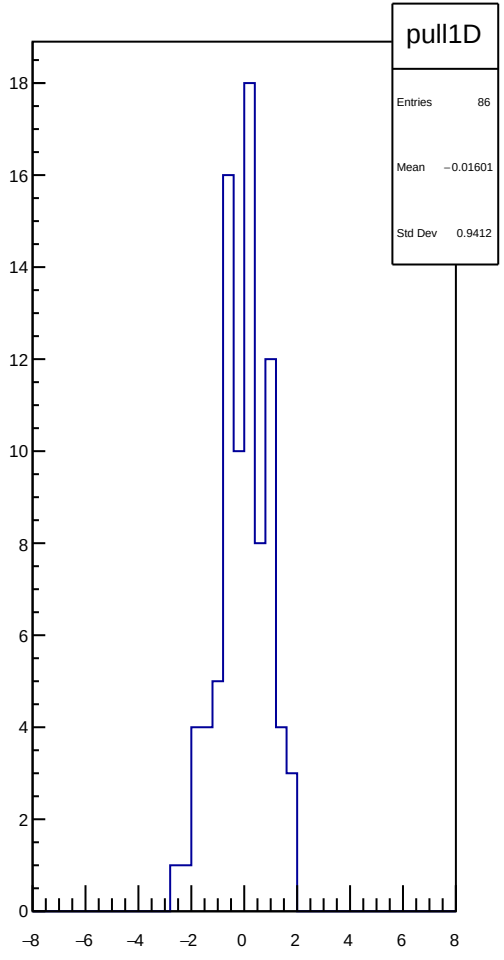

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.08 / 85
p0 0.1829 ± 0.2096
pull
Entries 86
Mean 113.4
Std Dev 0

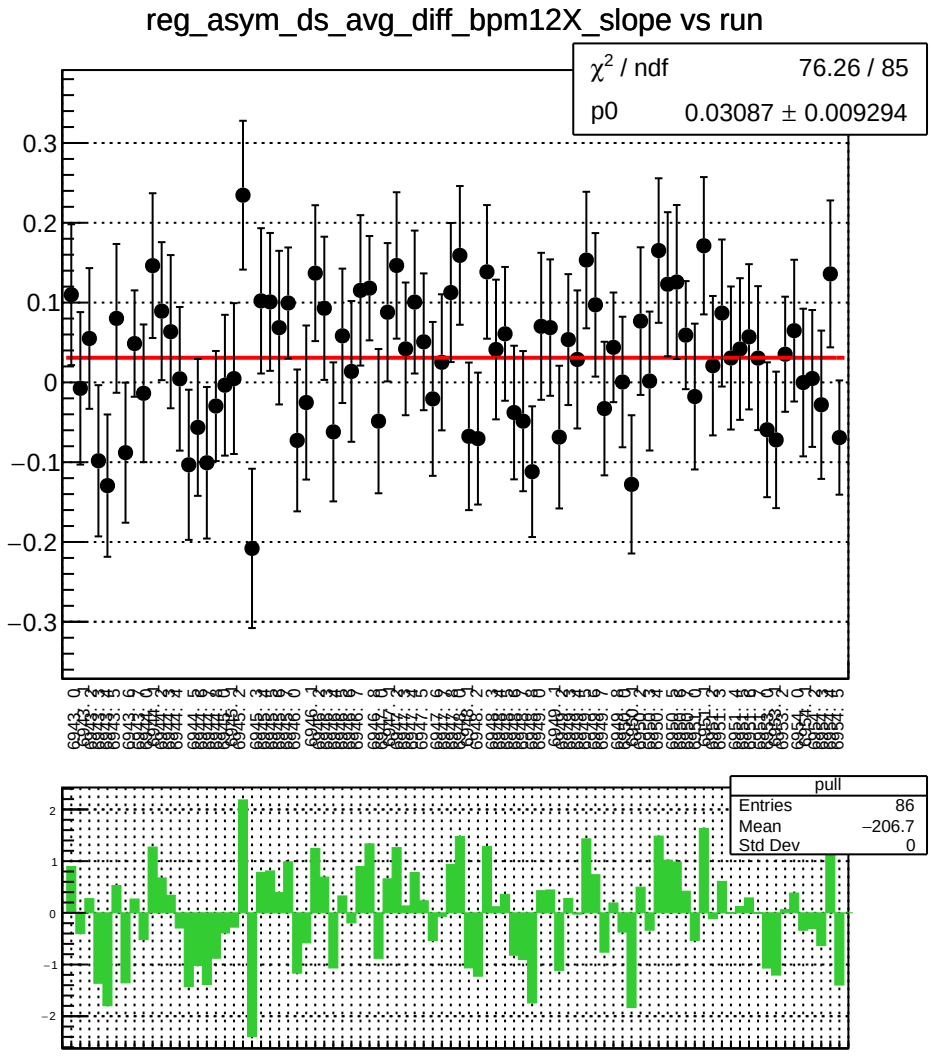

pull1D
Entries 86
Mean 0.01566
Std Dev 0.9708

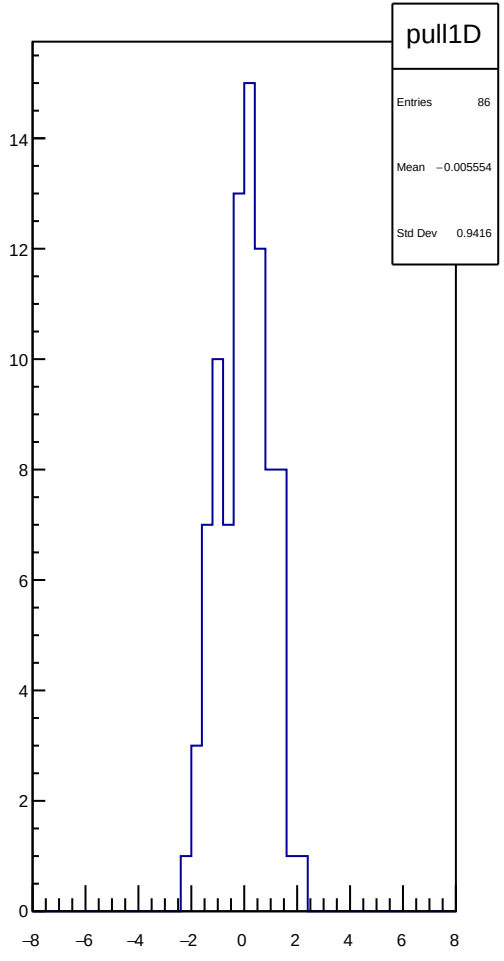

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.04 / 85
p0 −0.1801± 0.2797
pull
Entries 86
Mean −235
Std Dev 0

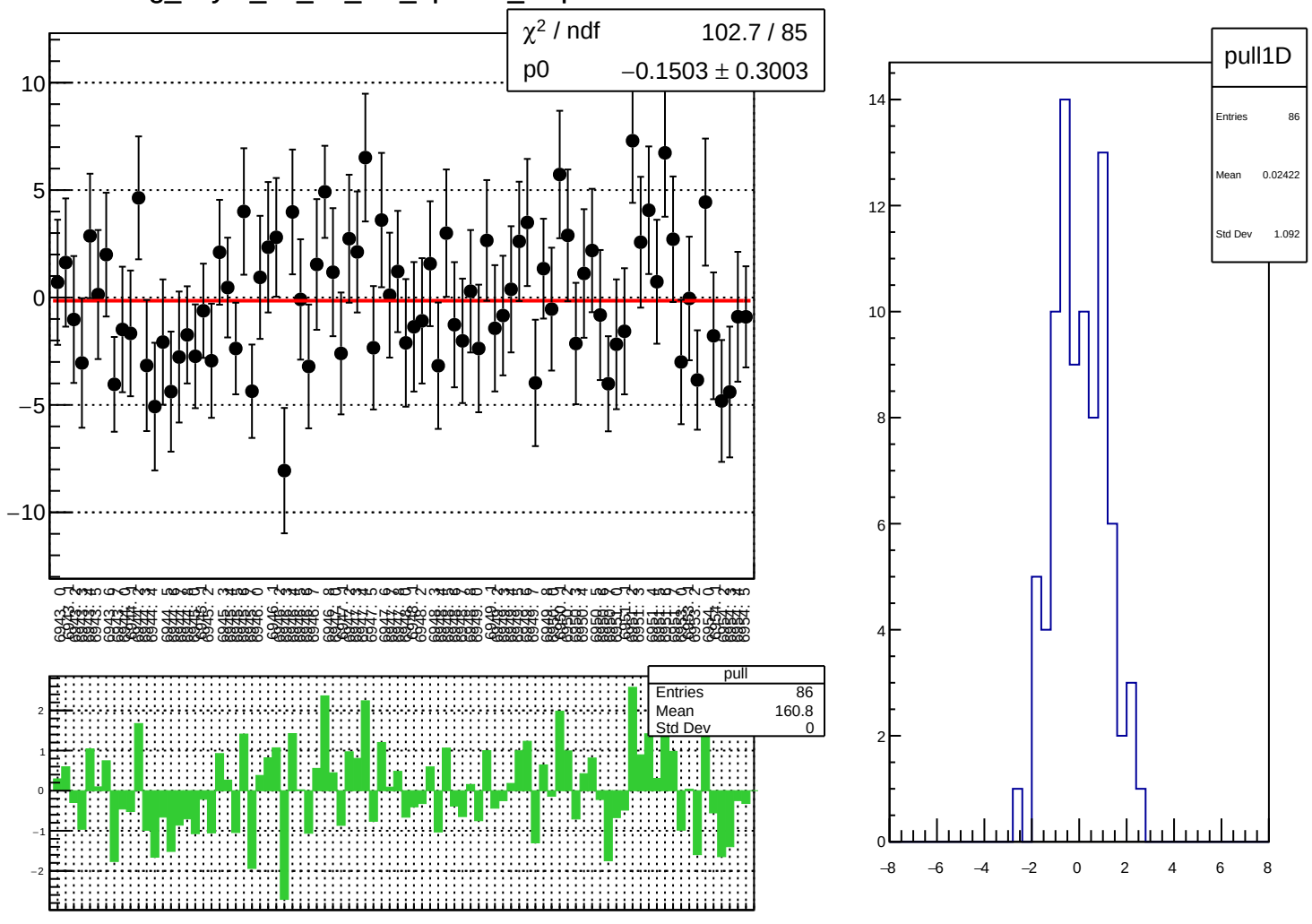

pull1D
Entries 86
Mean −0.01372
Std Dev 1.012

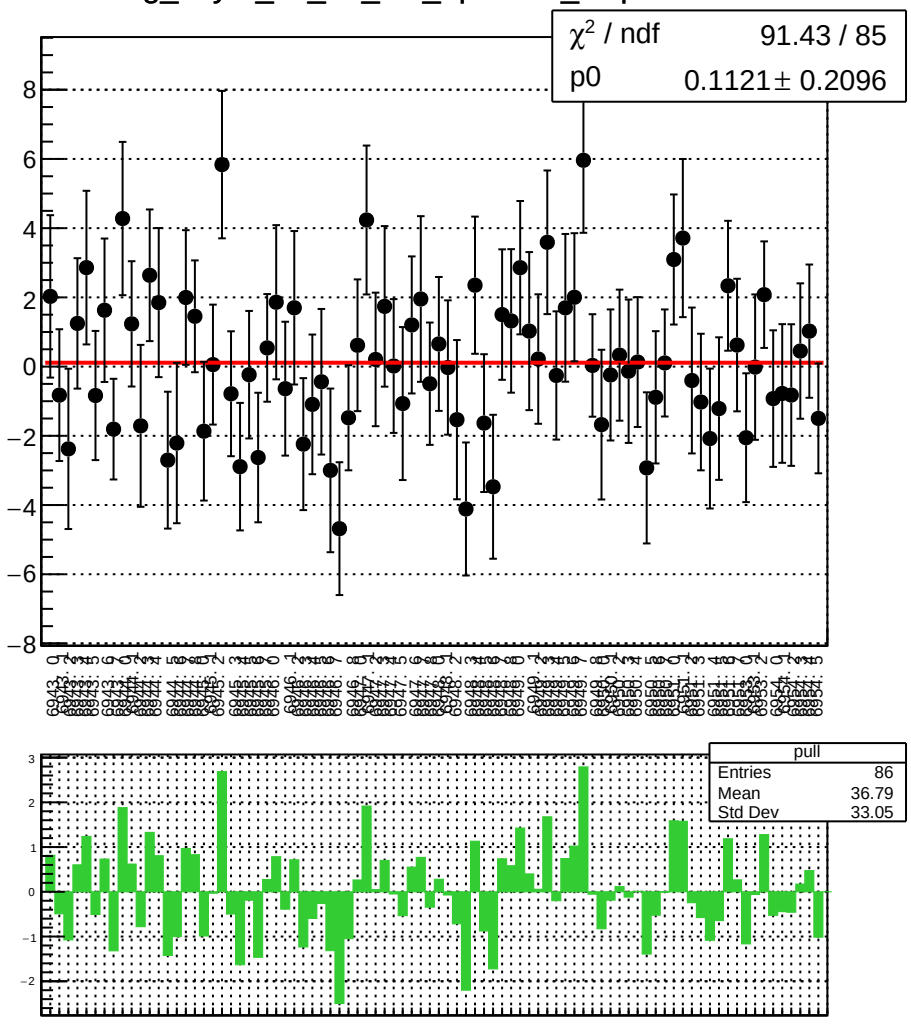

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.21 / 85
p0 −0.1458 ± 0.2404
pull
Entries 86
Mean 125.3
Std Dev 0

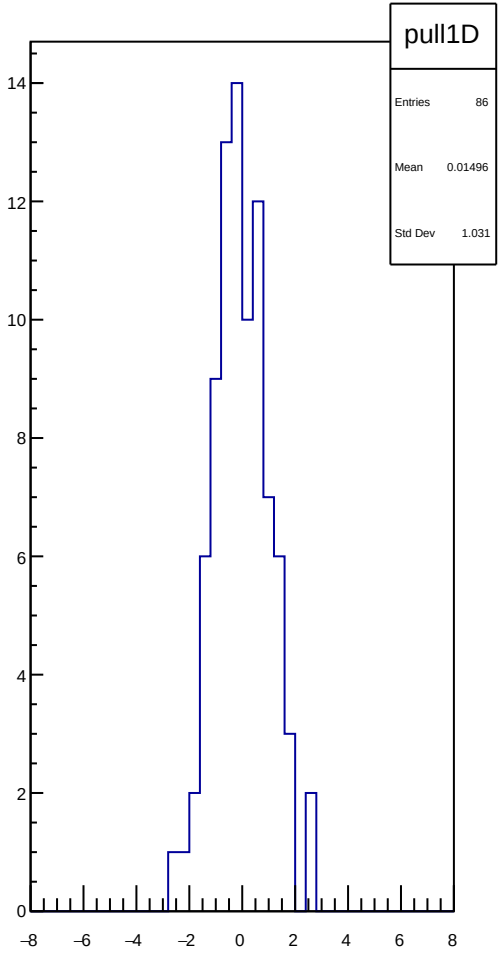

pull1D
Entries 86
Mean −0.01601
Std Dev 0.9412

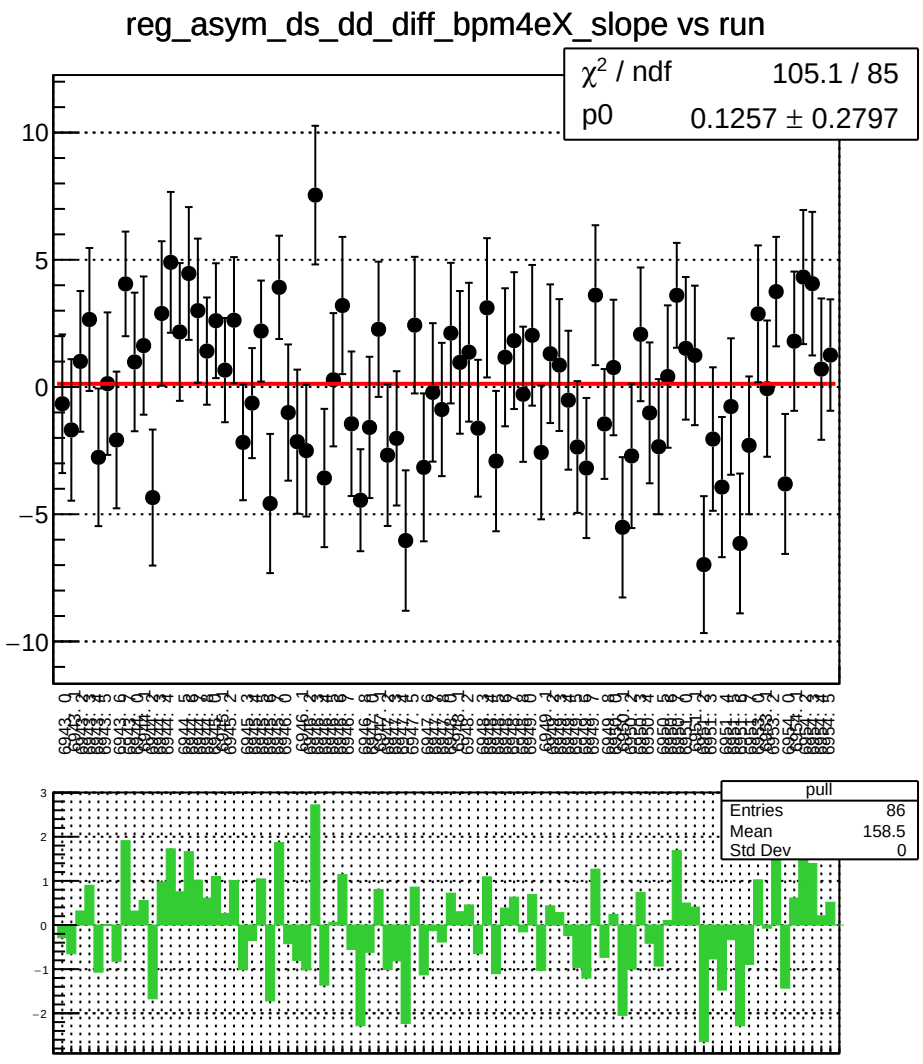

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 76.26 / 85
p0 0.03087 ± 0.009294
pull
Entries 86
Mean −206.7
Std Dev 0

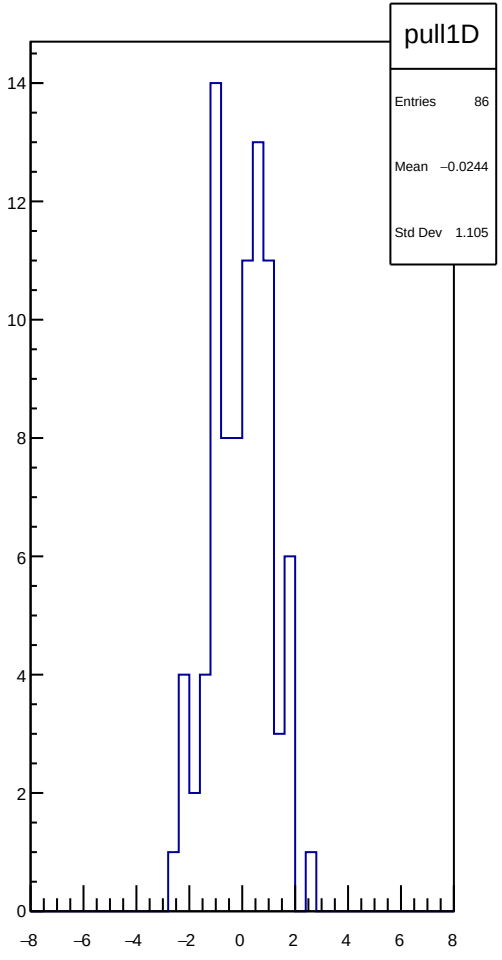

pull1D
Entries 86
Mean −0.005554
Std Dev 0.9416

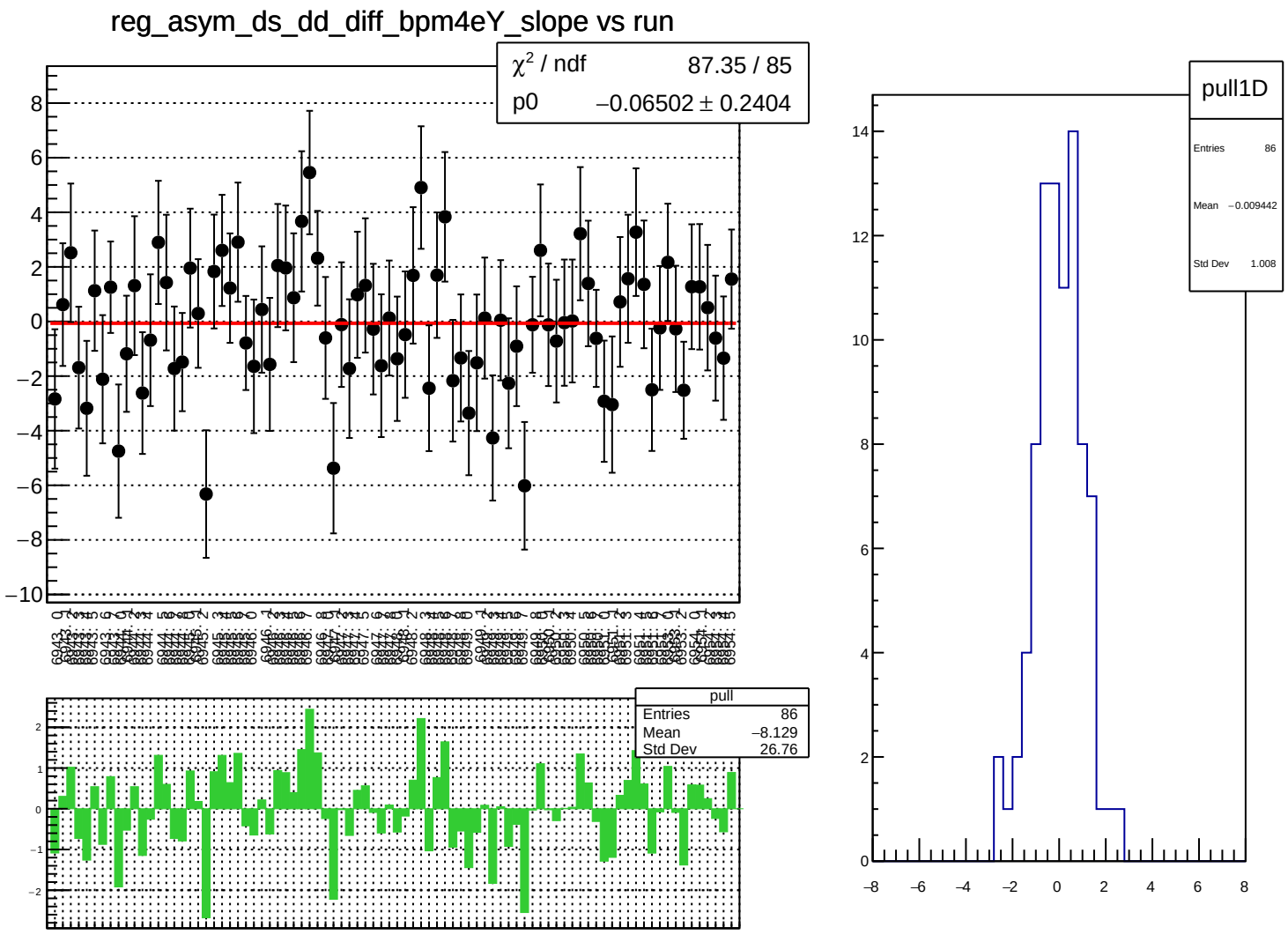

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 102.7 / 85
p0 −0.1503 ± 0.3003
pull
Entries 86
Mean 160.8
Std Dev 0
pull1D
Entries 86
Mean 0.02422
Std Dev 1.092

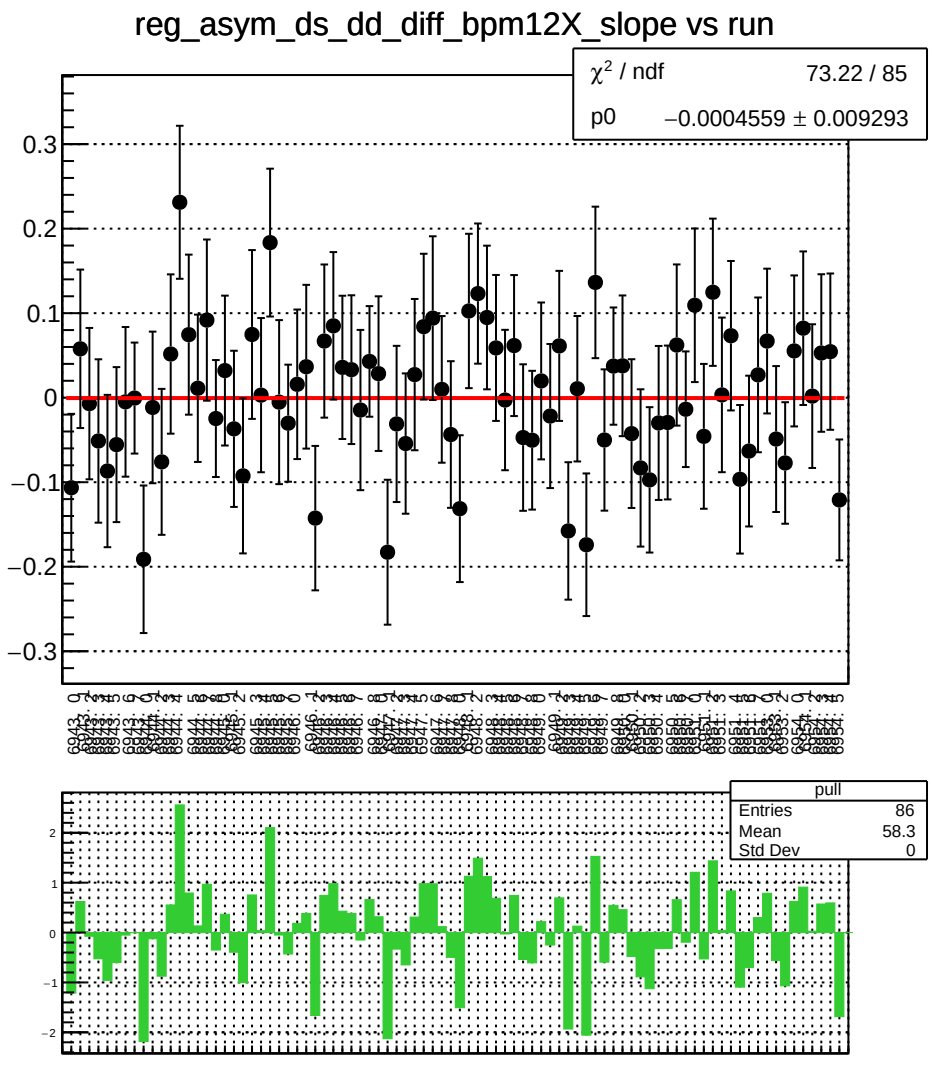

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 91.43 / 85
p0 0.1121± 0.2096
pull
Entries 86
Mean 36.79
Std Dev 33.05

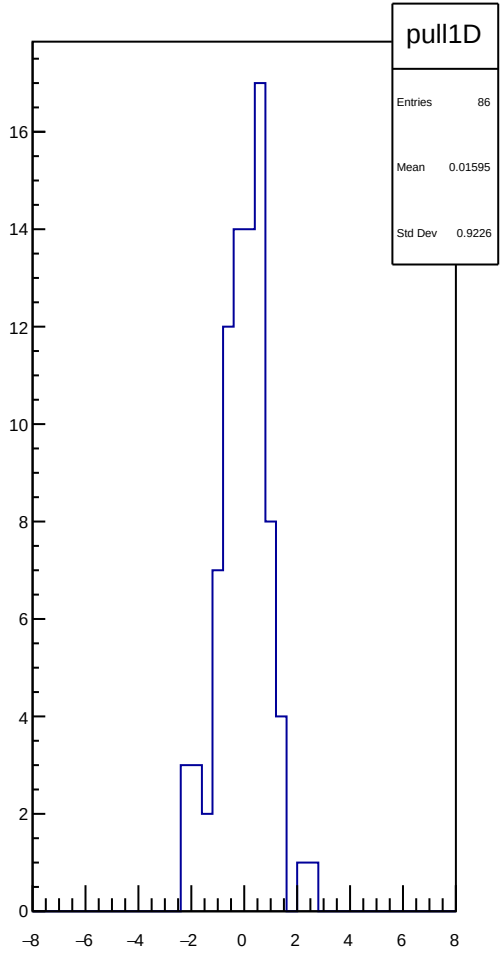

pull1D
Entries 86
Mean 0.01496
Std Dev 1.031

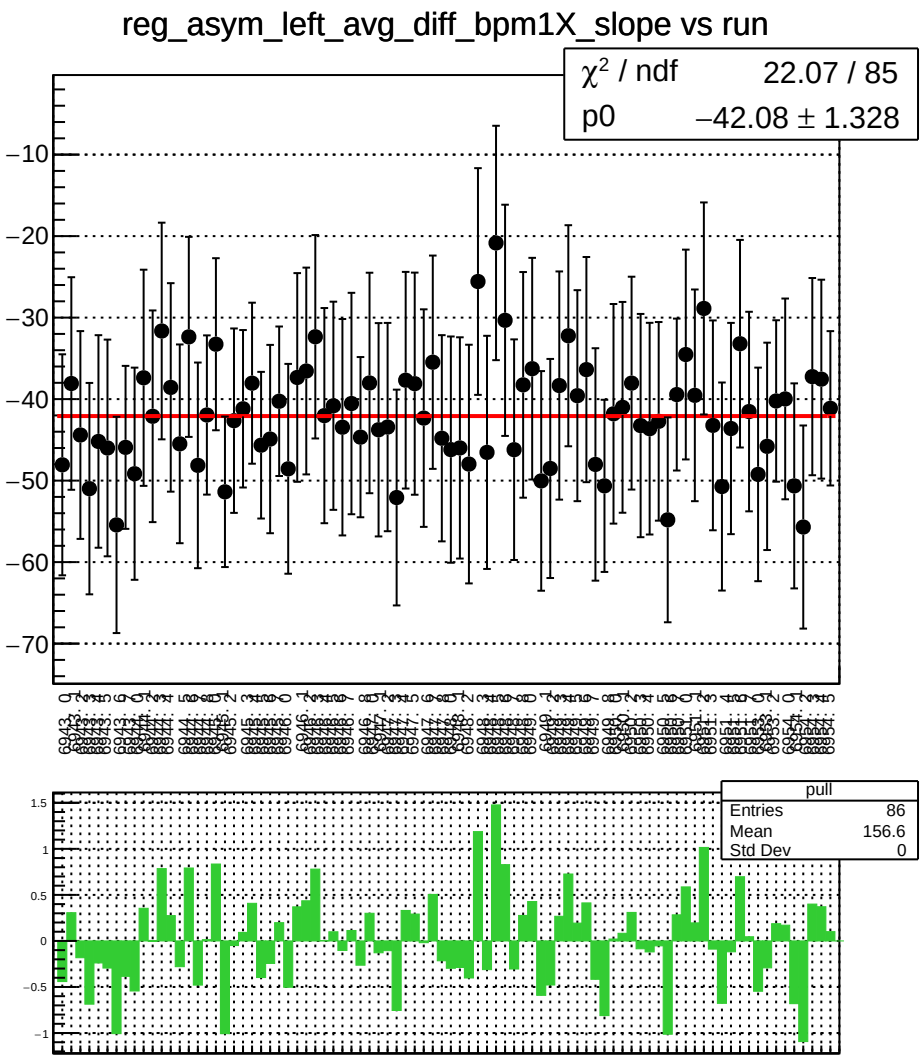

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.1 / 85
p0 0.1257 ± 0.2797
pull
Entries 86
Mean 158.5
Std Dev 0

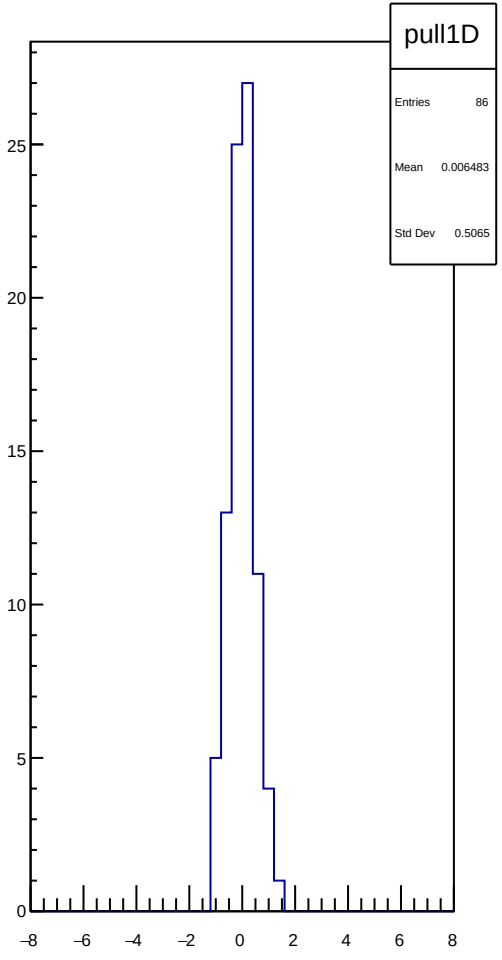

pull1D
Entries 86
Mean −0.0244
Std Dev 1.105

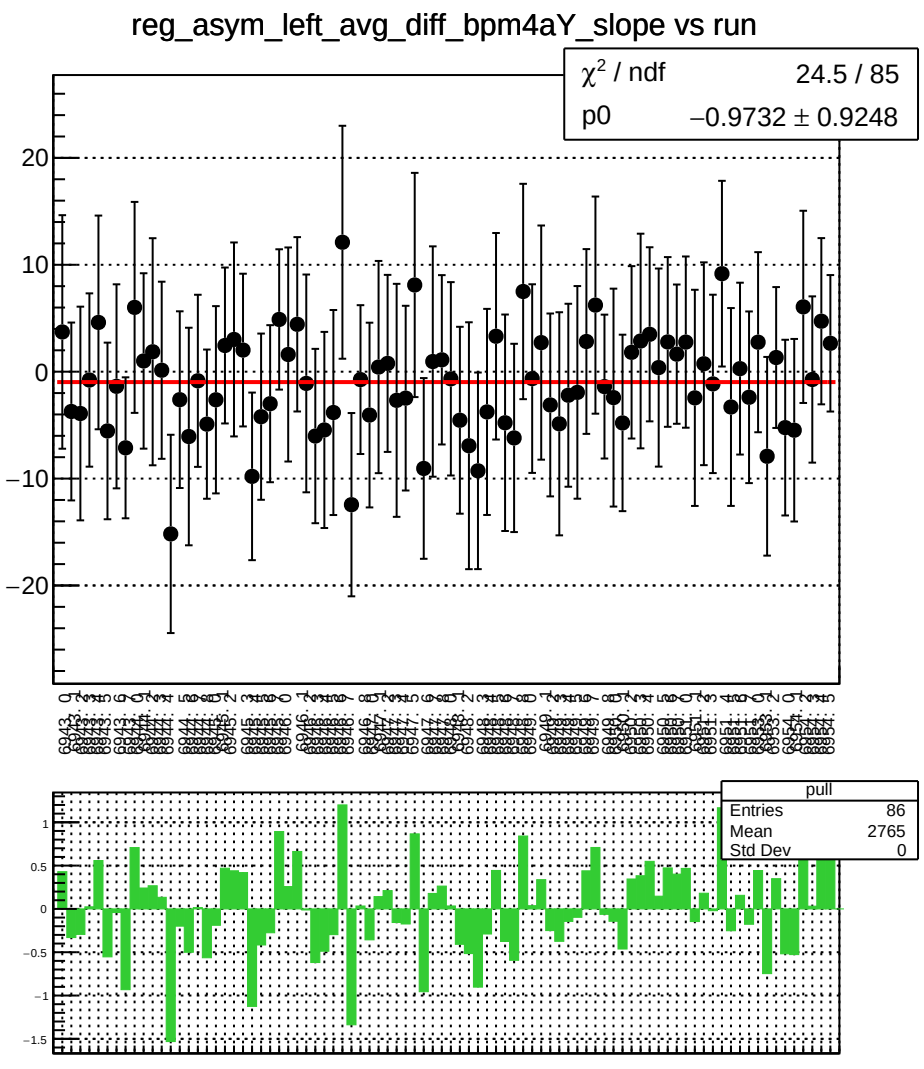

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.35 / 85
p0 −0.06502 ± 0.2404
pull
Entries 86
Mean −8.129
Std Dev 26.76
pull1D
Entries 86
Mean −0.009442
Std Dev 1.008

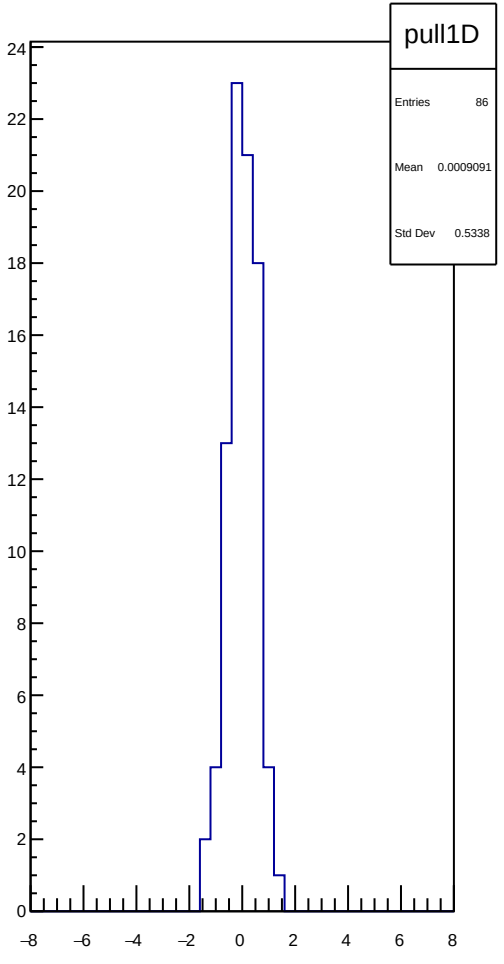

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 73.22 / 85
p0 −0.0004559 ± 0.009293
pull
Entries 86
Mean 58.3
Std Dev 0

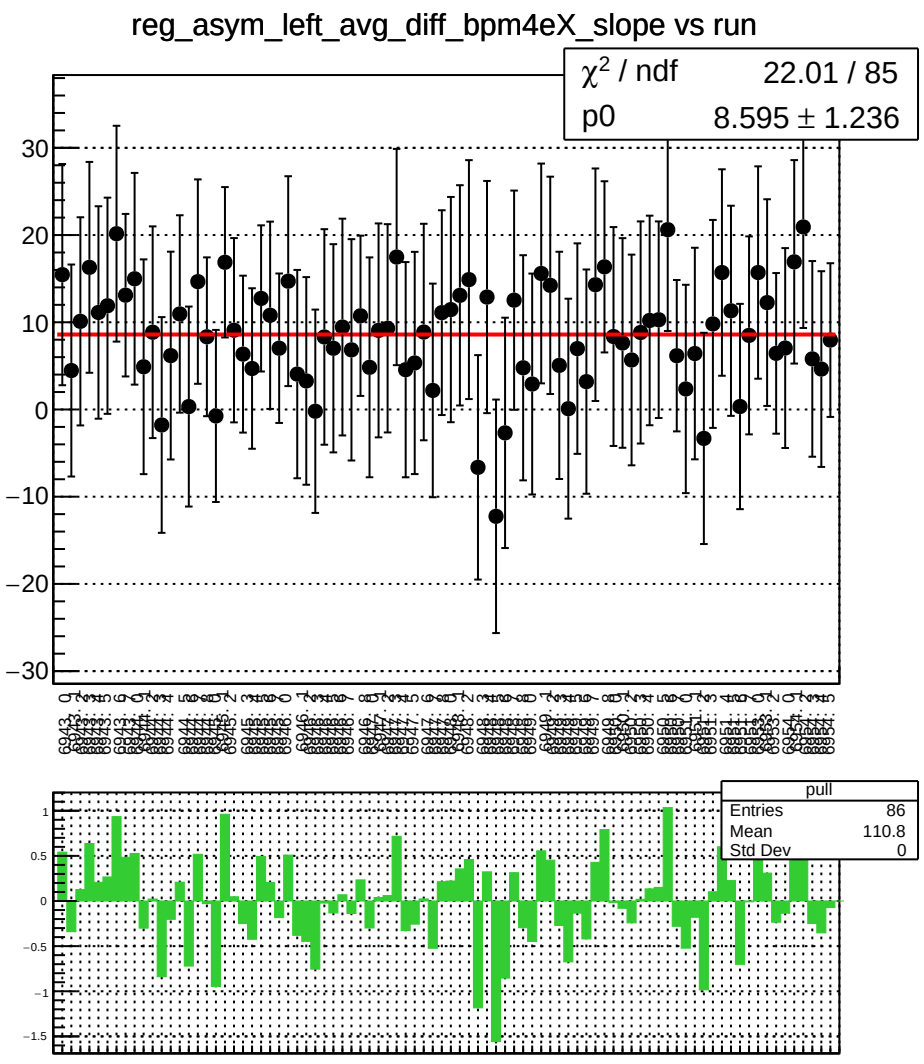

pull1D
Entries 86
Mean 0.01595
Std Dev 0.9226

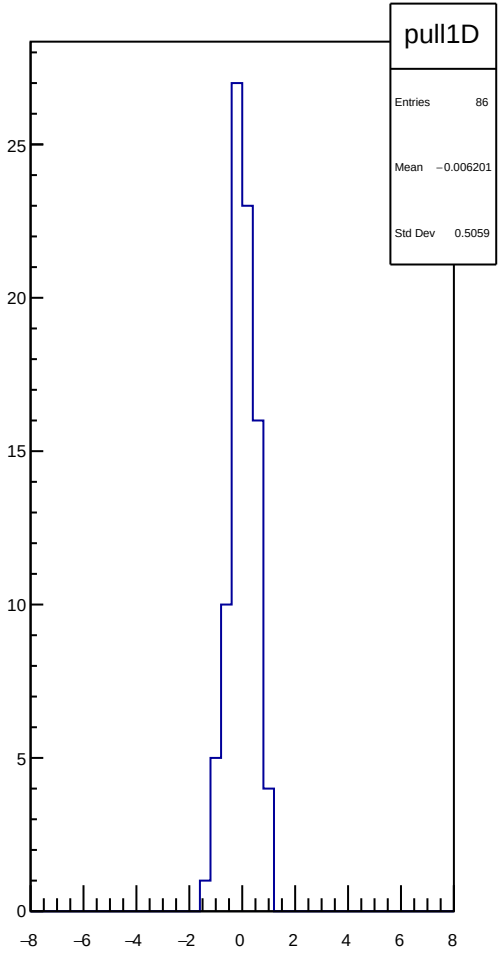

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 22.07 / 85
p0 −42.08 ± 1.328
pull
Entries 86
Mean 156.6
Std Dev 0

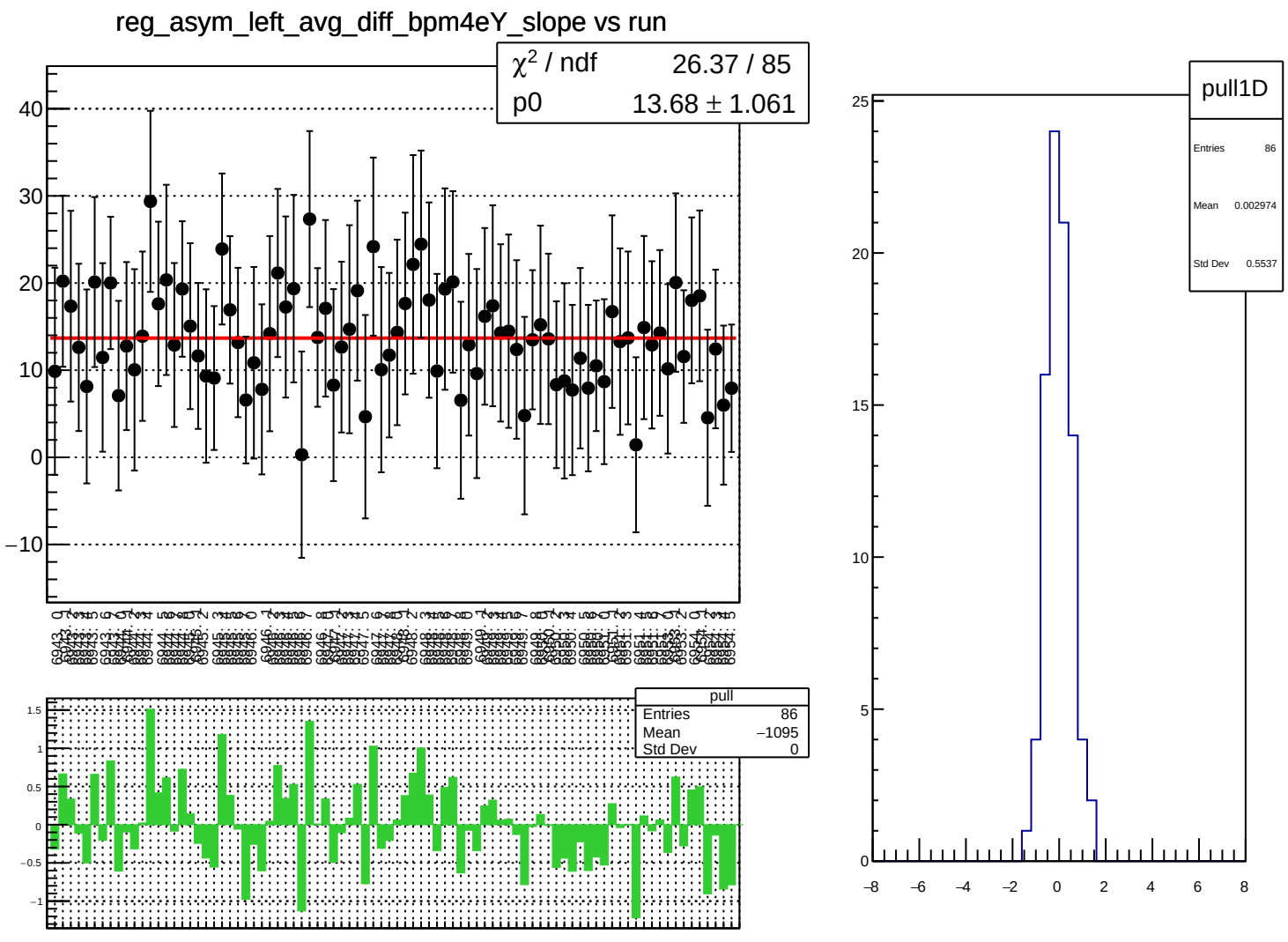

pull1D
Entries 86
Mean 0.006483
Std Dev 0.5065

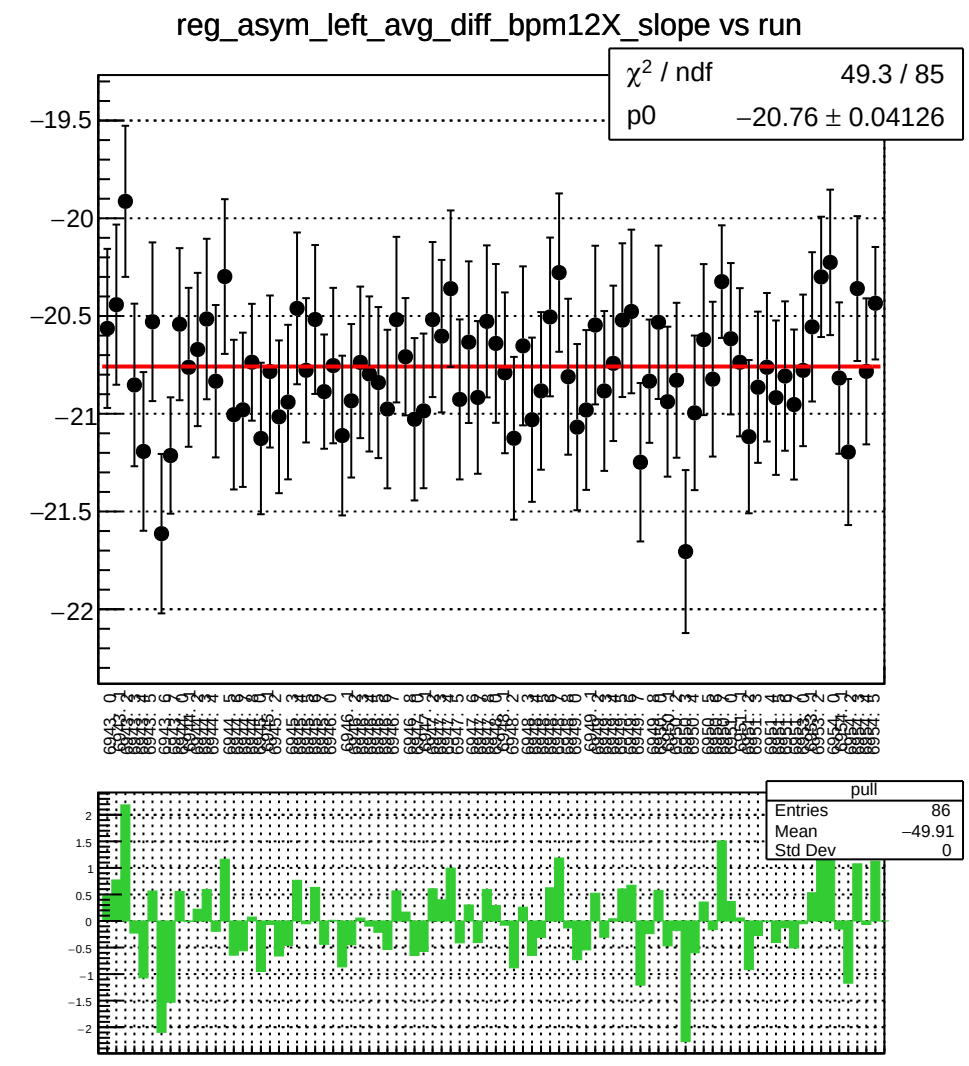

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.5 / 85
p0 −0.9732 ± 0.9248
pull
Entries 86
Mean 2765
Std Dev 0

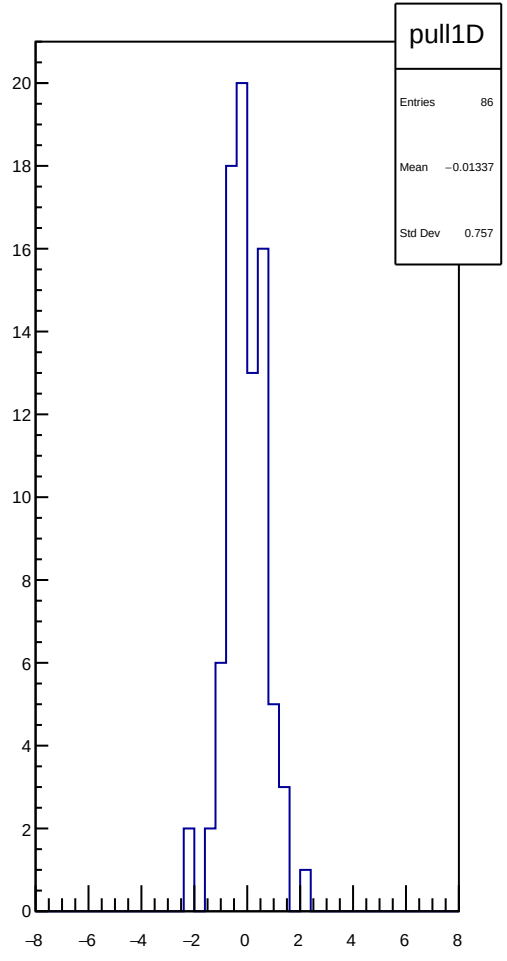

pull1D
Entries 86
Mean 0.0009091
Std Dev 0.5338

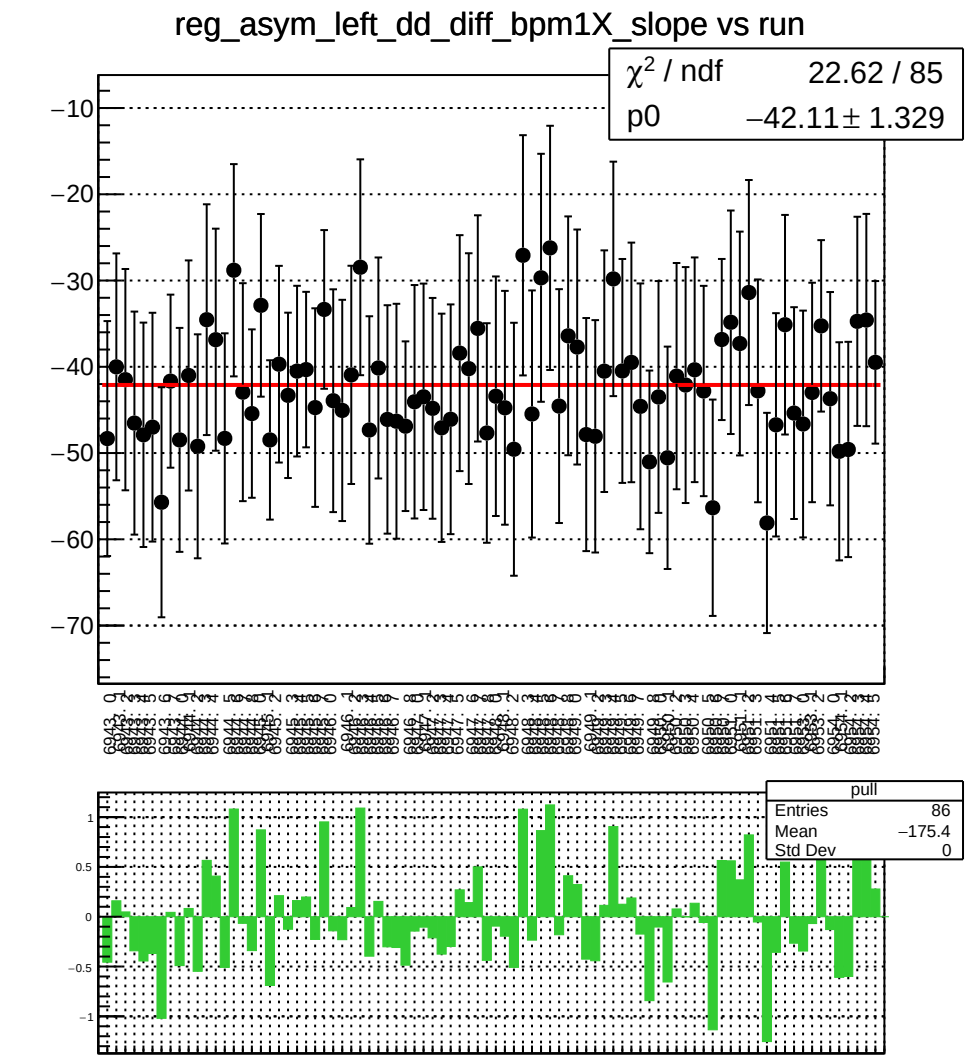

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.01 / 85
p0 8.595 ± 1.236
pull
Entries 86
Mean 110.8
Std Dev 0

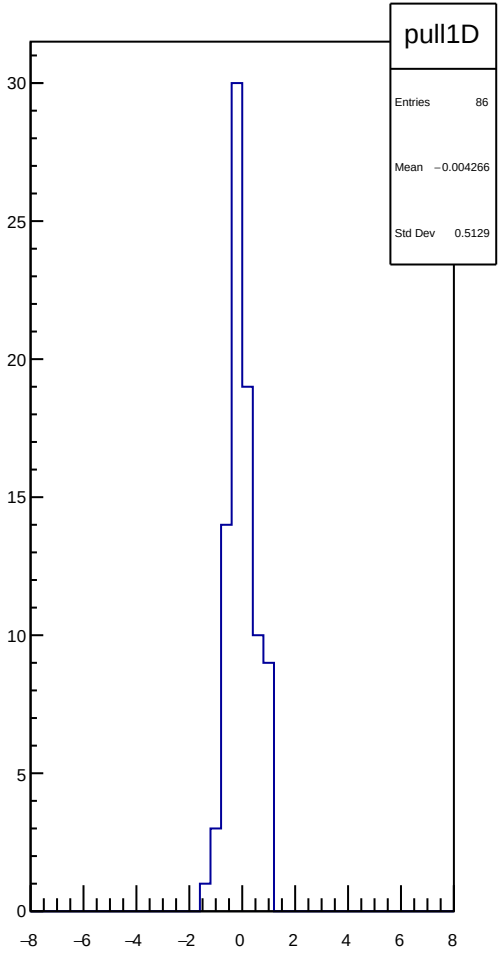

pull1D
Entries 86
Mean −0.006201
Std Dev 0.5059

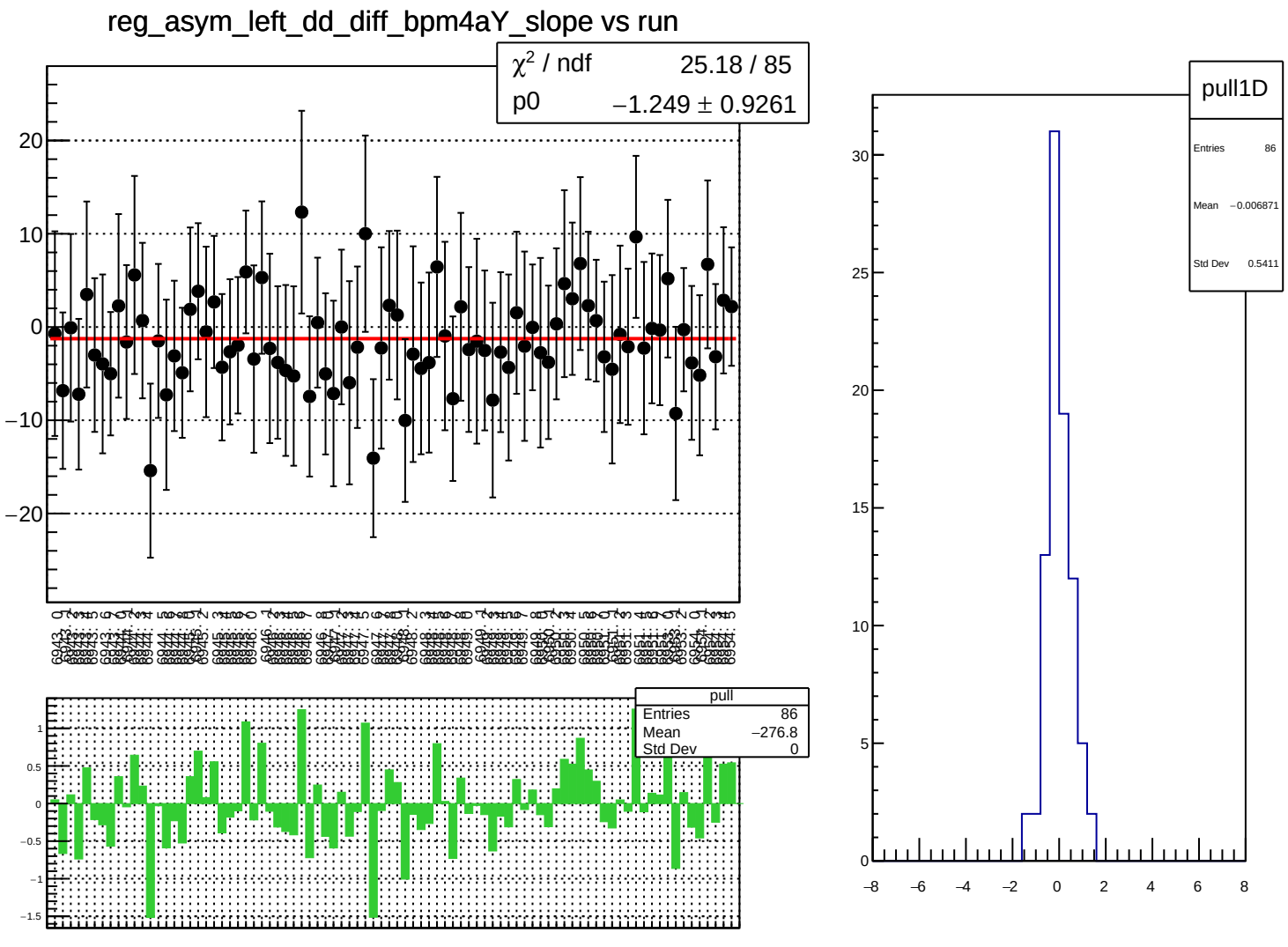

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.37 / 85
p0 13.68 ± 1.061
pull
Entries 86
Mean −1095
Std Dev 0
pull1D
Entries 86
Mean 0.002974
Std Dev 0.5537

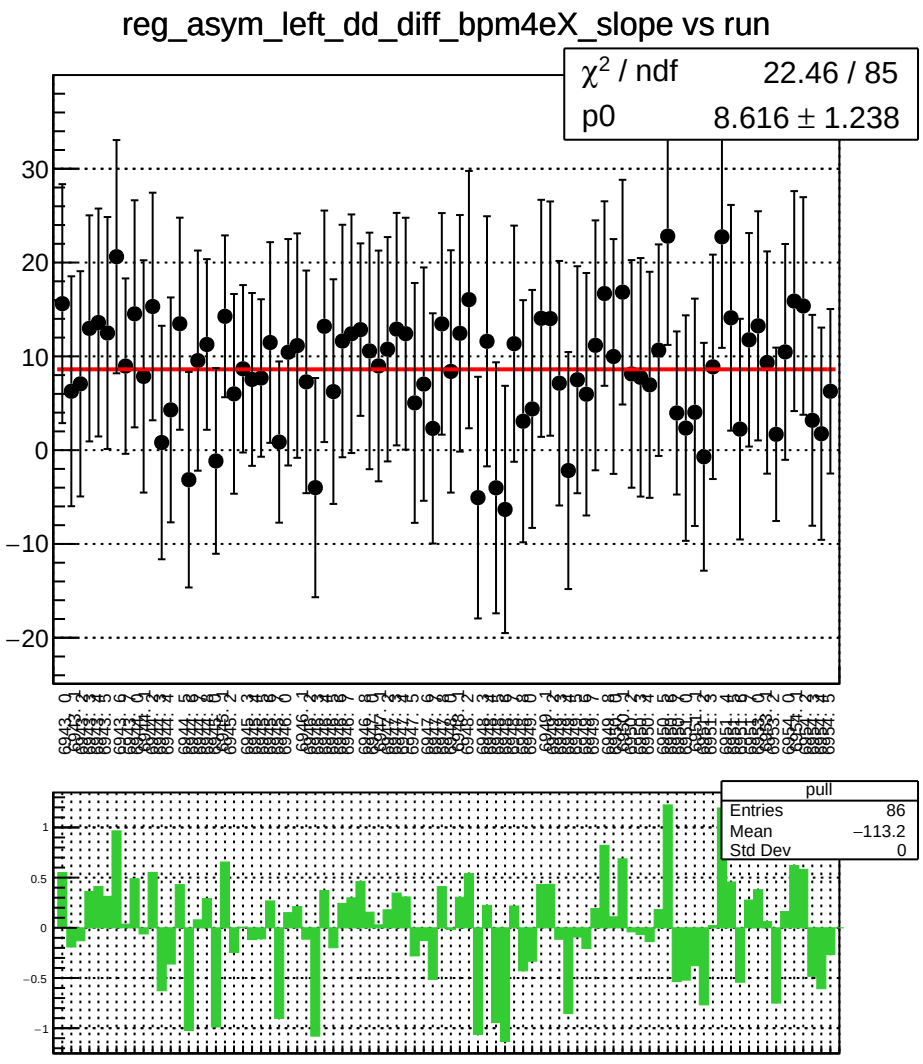

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 49.3 / 85
p0 −20.76 ± 0.04126
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 86
Mean −49.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

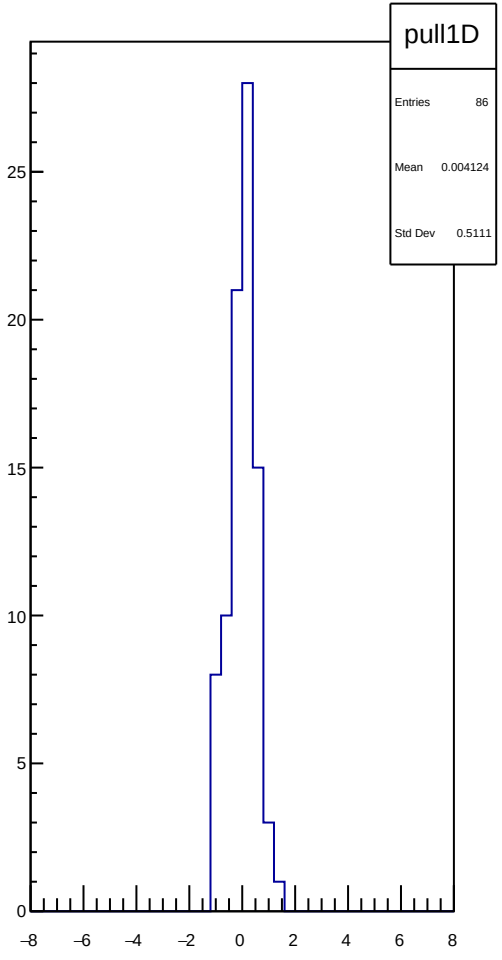

pull1D
Entries 86
Mean −0.01337
Std Dev 0.757
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

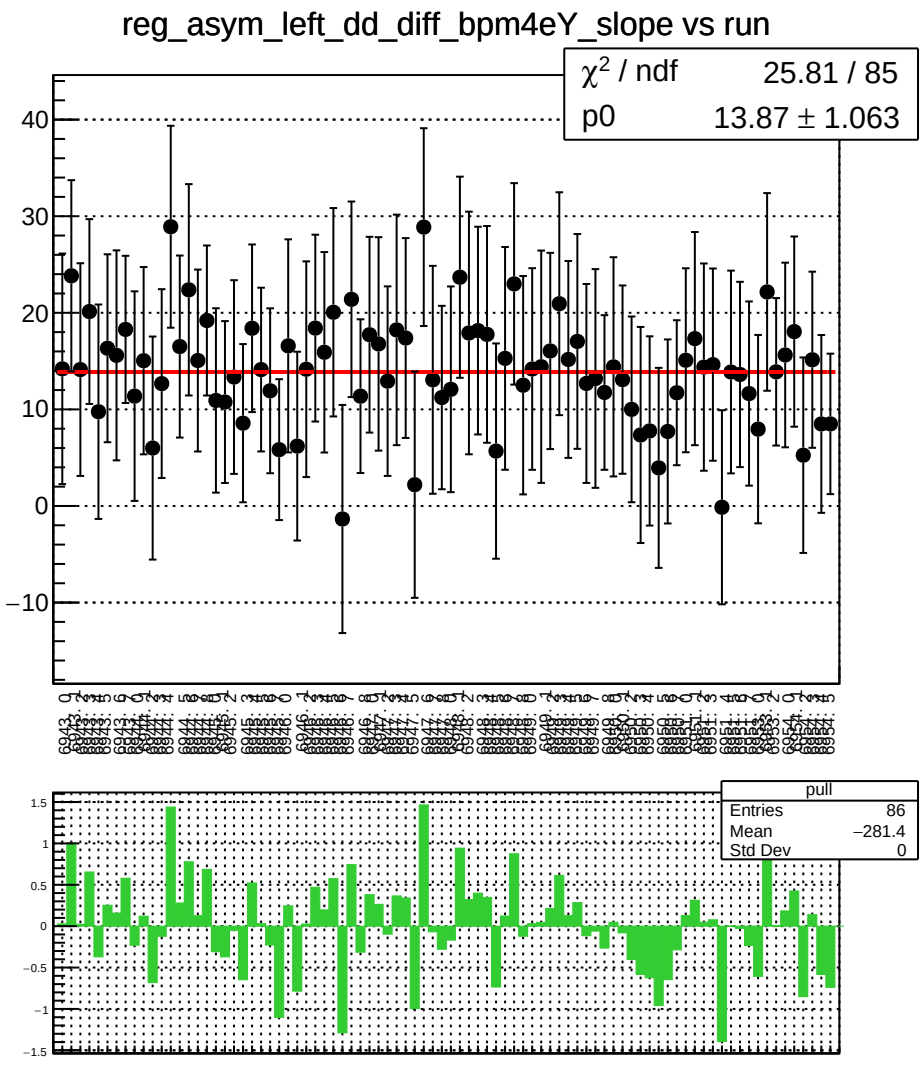

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 22.62 / 85
p0 −42.11 ± 1.329
pull
Entries 86
Mean −175.4
Std Dev 0

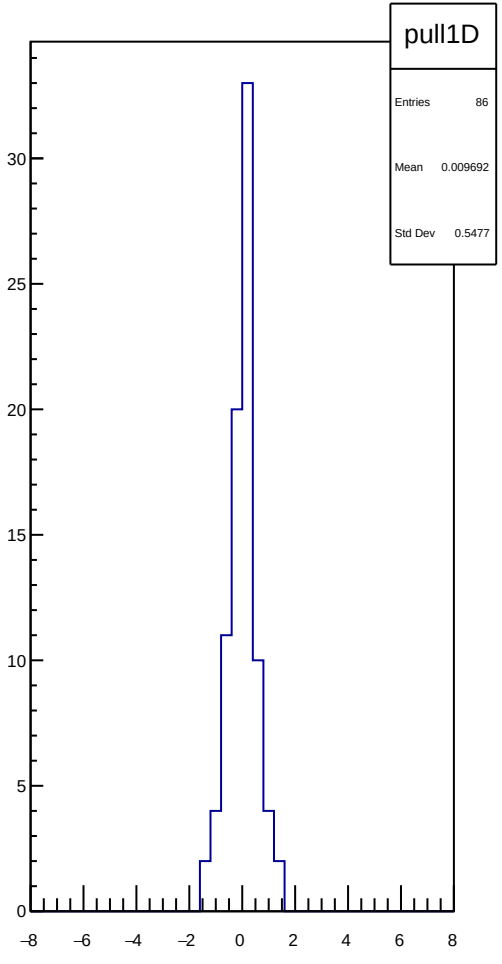

pull1D
Entries 86
Mean −0.004266
Std Dev 0.5129

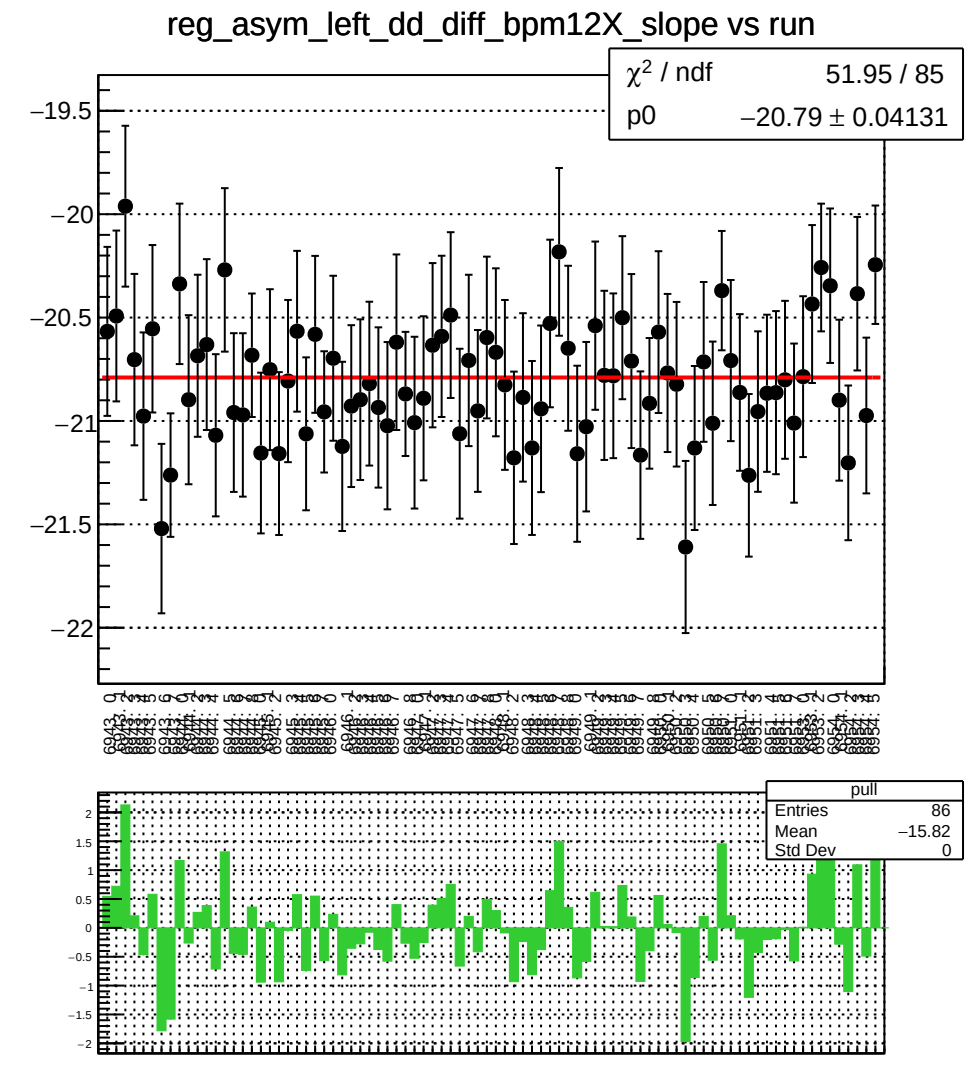

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.18 / 85
p0 −1.249 ± 0.9261
pull
Entries 86
Mean −276.8
Std Dev 0
pull1D
Entries 86
Mean −0.006871
Std Dev 0.5411

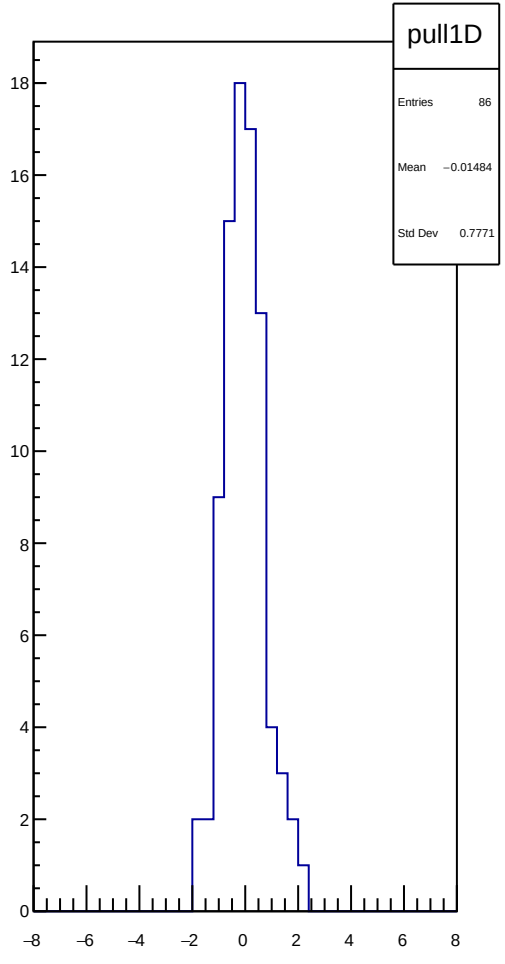

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.46 / 85
p0 8.616 ± 1.238
pull
Entries 86
Mean −113.2
Std Dev 0

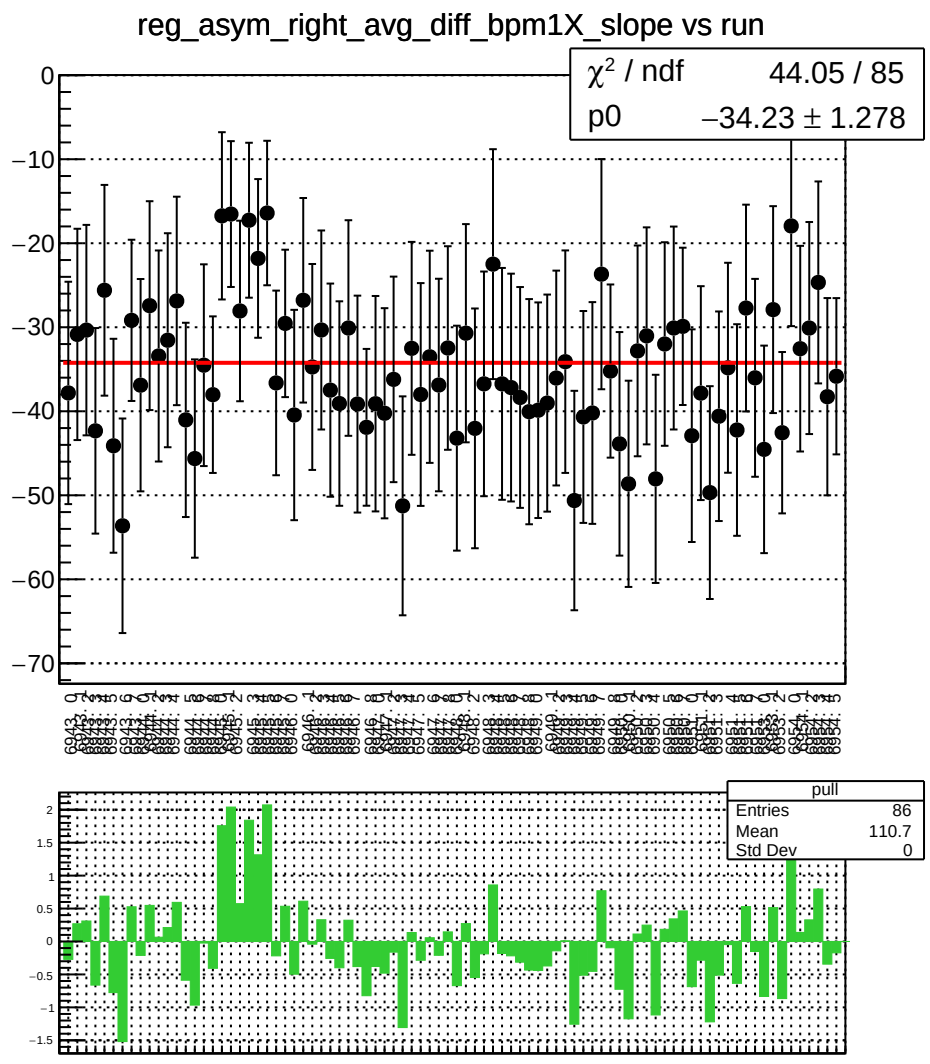

pull1D
Entries 86
Mean 0.004124
Std Dev 0.5111

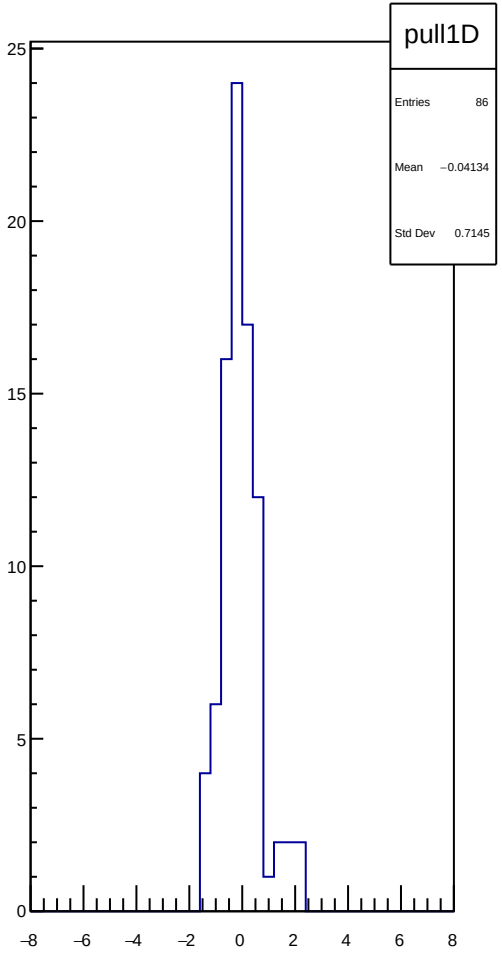

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.81 / 85
p0 13.87 ± 1.063
pull
Entries 86
Mean −281.4
Std Dev 0

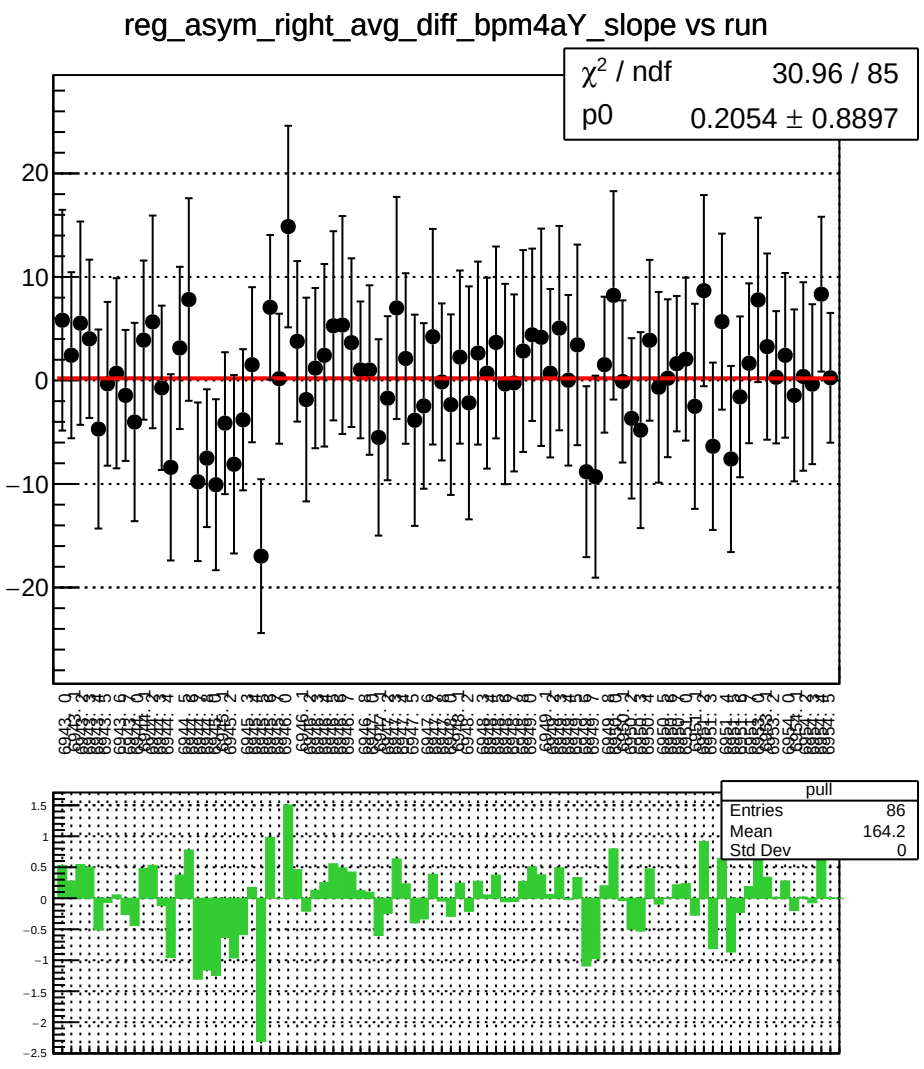

pull1D
Entries 86
Mean 0.009692
Std Dev 0.5477

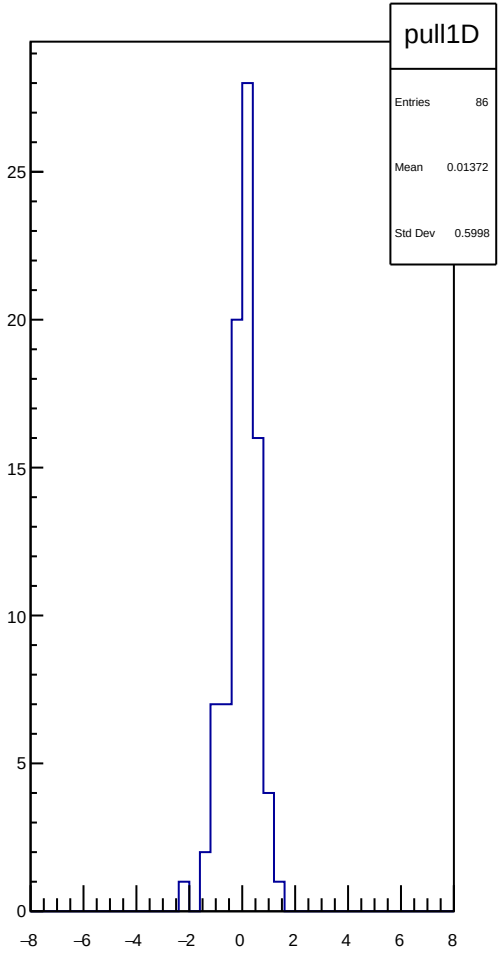

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 51.95 / 85
p0 −20.79 ± 0.04131
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 86
Mean −15.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

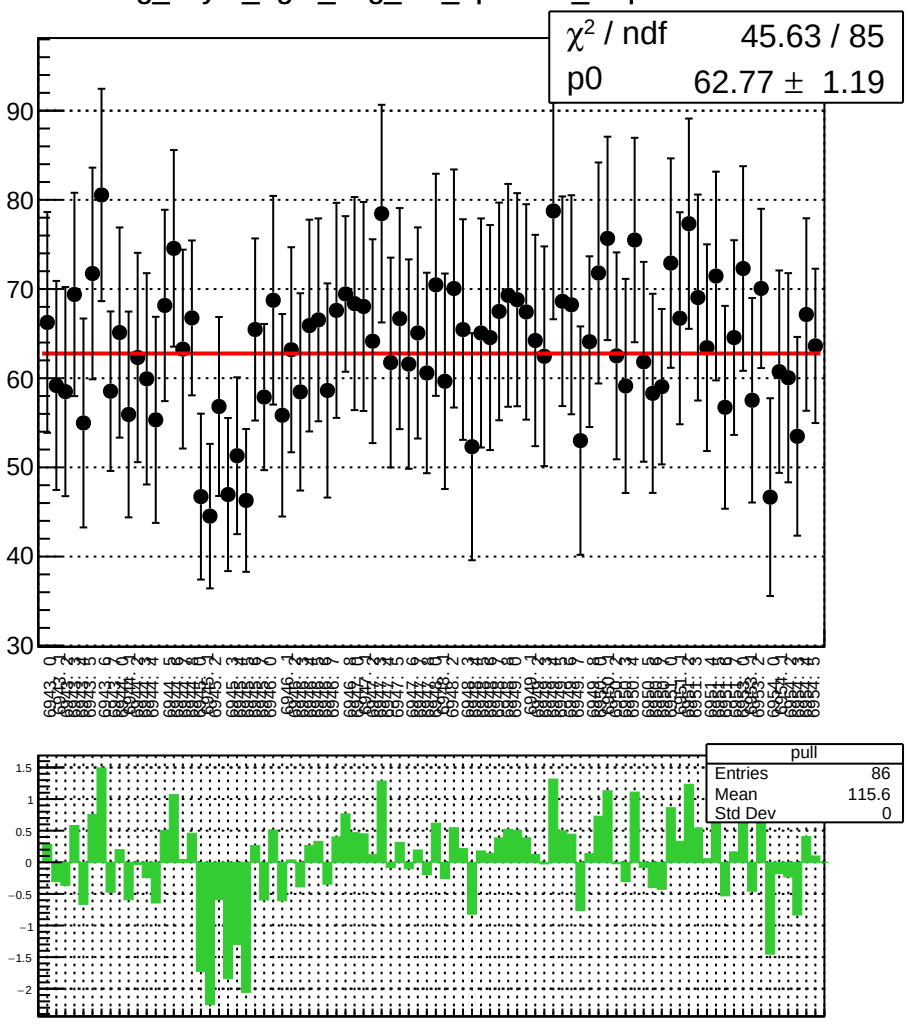

pull1D
Entries 86
Mean −0.01484
Std Dev 0.7771
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

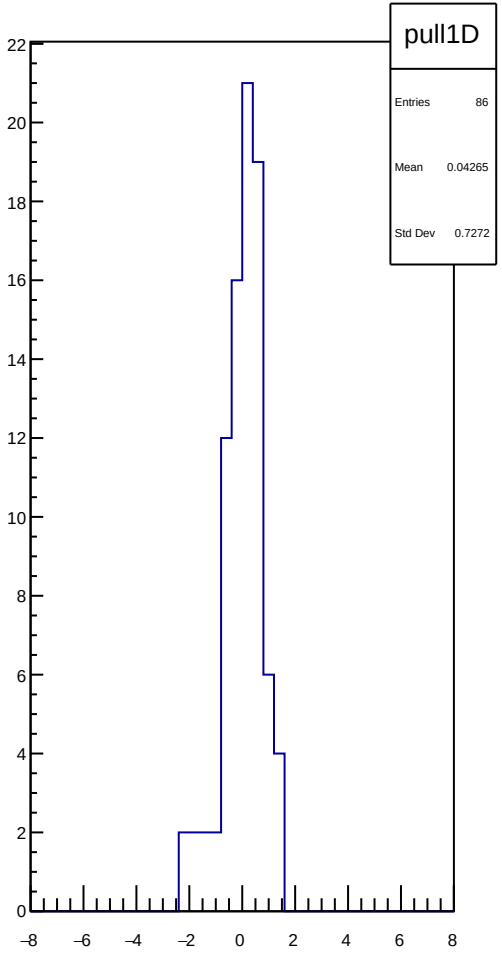

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 44.05 / 85
p0 −34.23 ± 1.278
pull
Entries 86
Mean 110.7
Std Dev 0

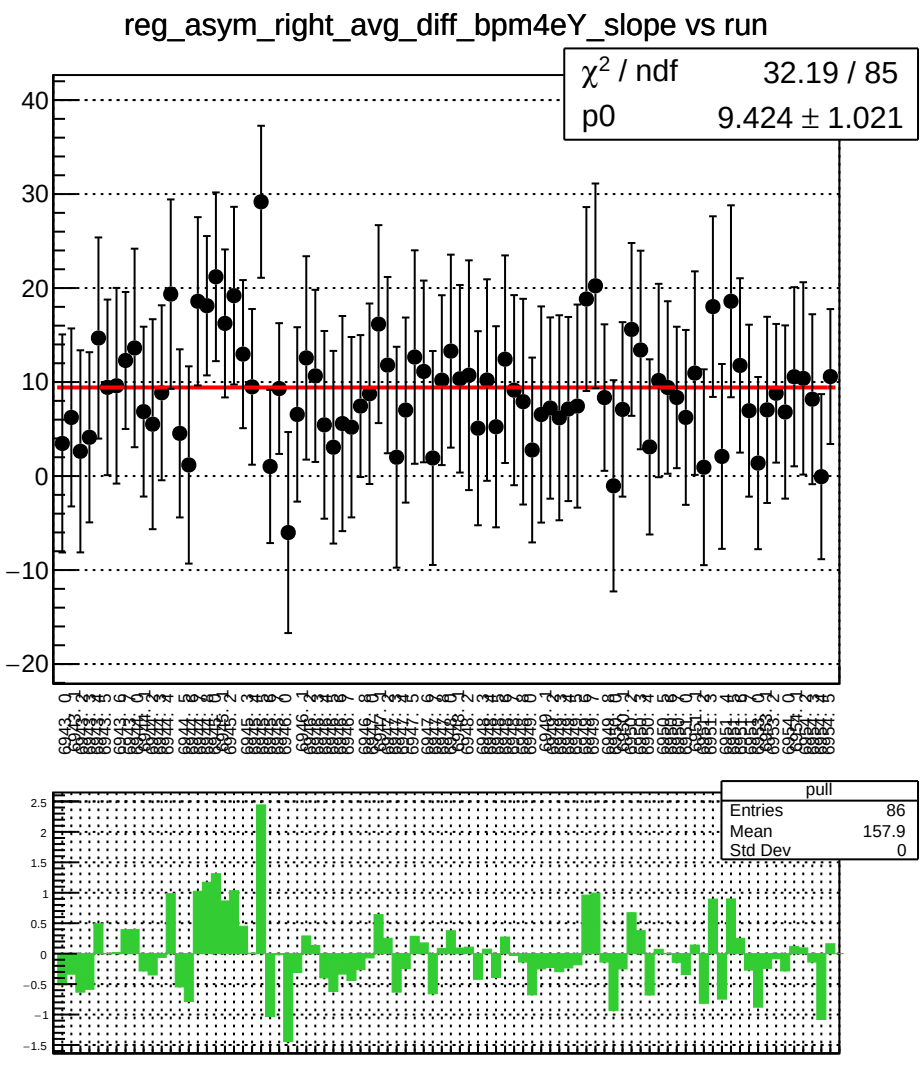

pull1D
Entries 86
Mean −0.04134
Std Dev 0.7145

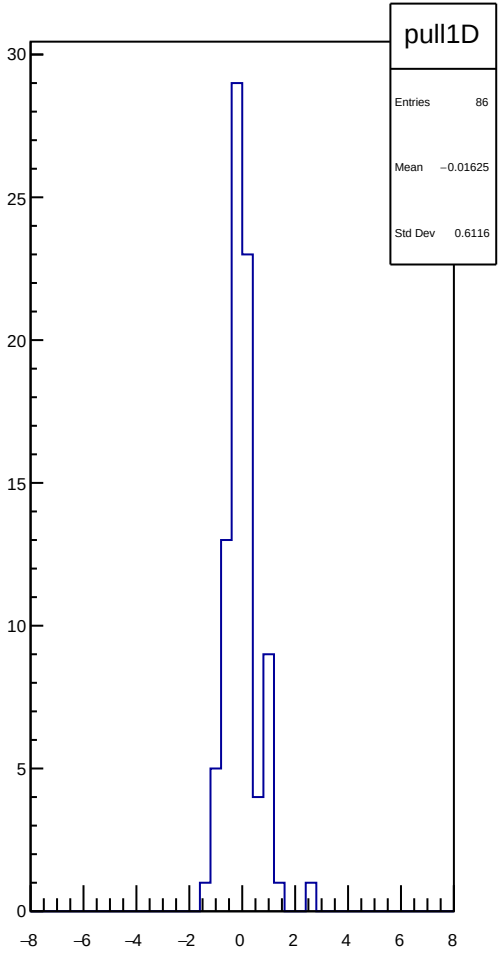

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.96 / 85
p0 0.2054 ± 0.8897
pull
Entries 86
Mean 164.2
Std Dev 0

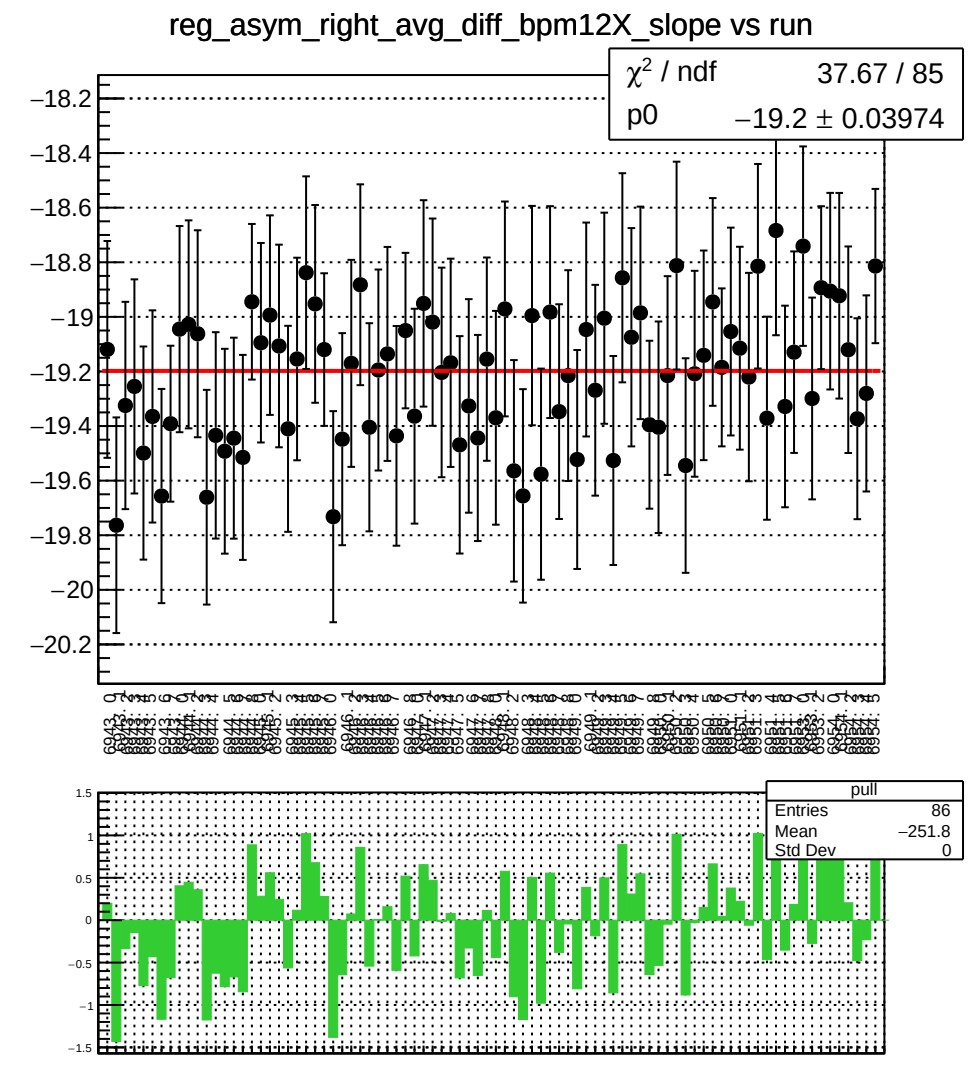

pull1D
Entries 86
Mean 0.01372
Std Dev 0.5998

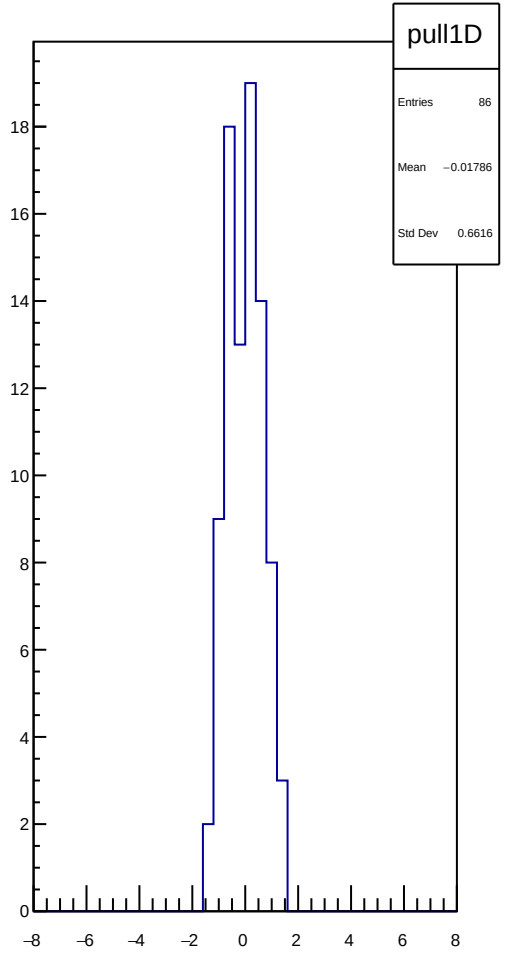

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.63 / 85
p0 62.77 ± 1.19
pull
Entries 86
Mean 115.6
Std Dev 0

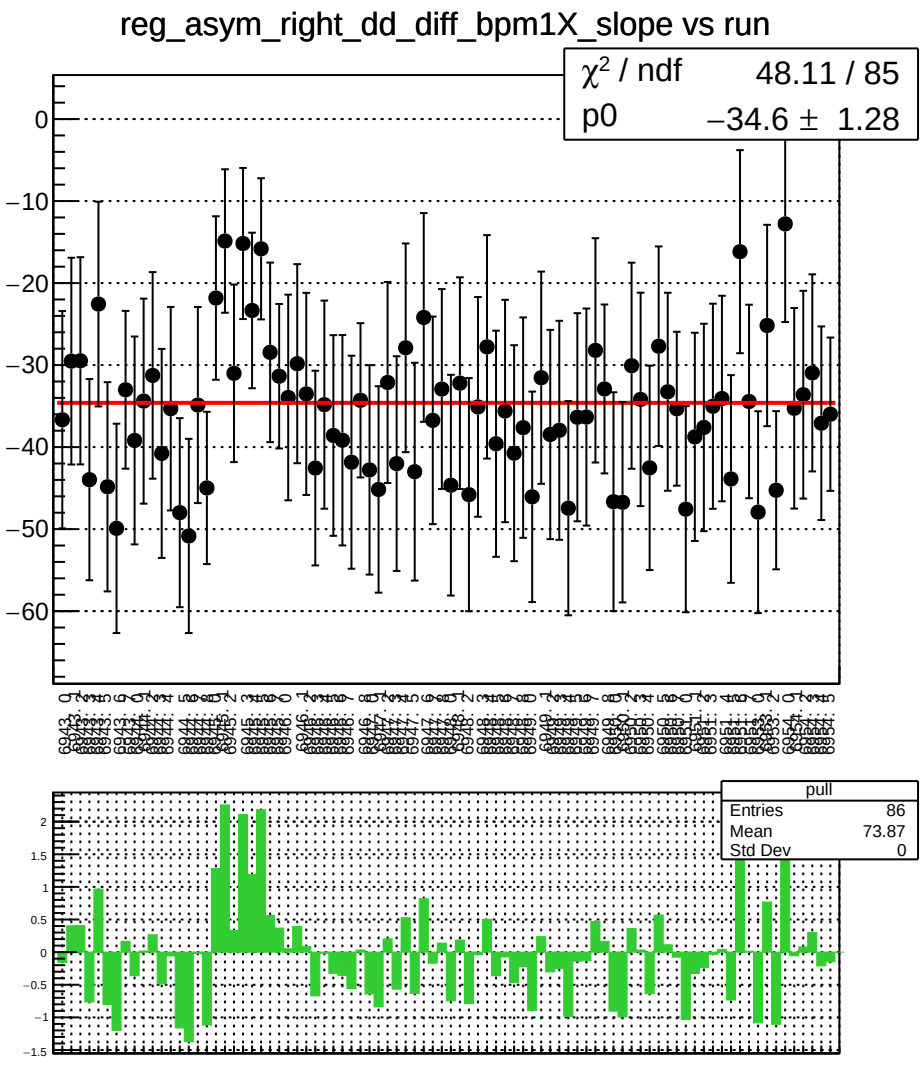

pull1D
Entries 86
Mean 0.04265
Std Dev 0.7272

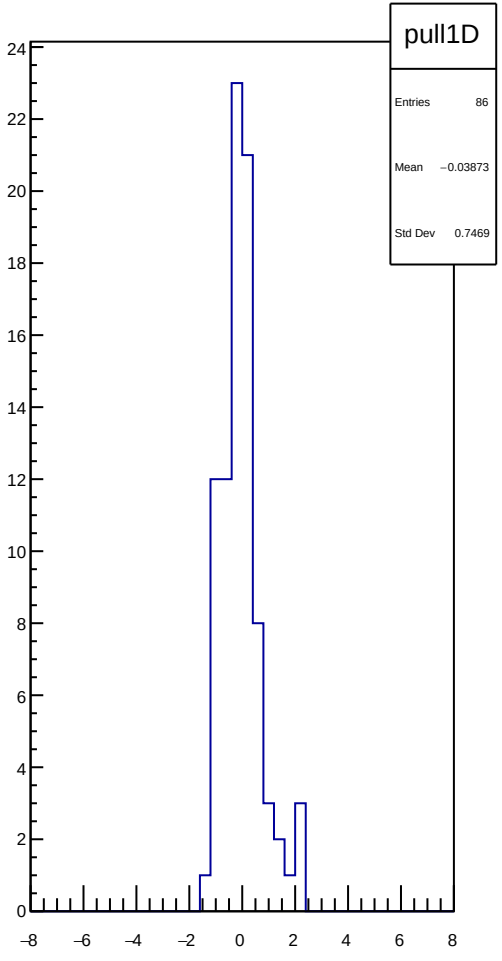

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.19 / 85
p0 9.424 ± 1.021
pull
Entries 86
Mean 157.9
Std Dev 0

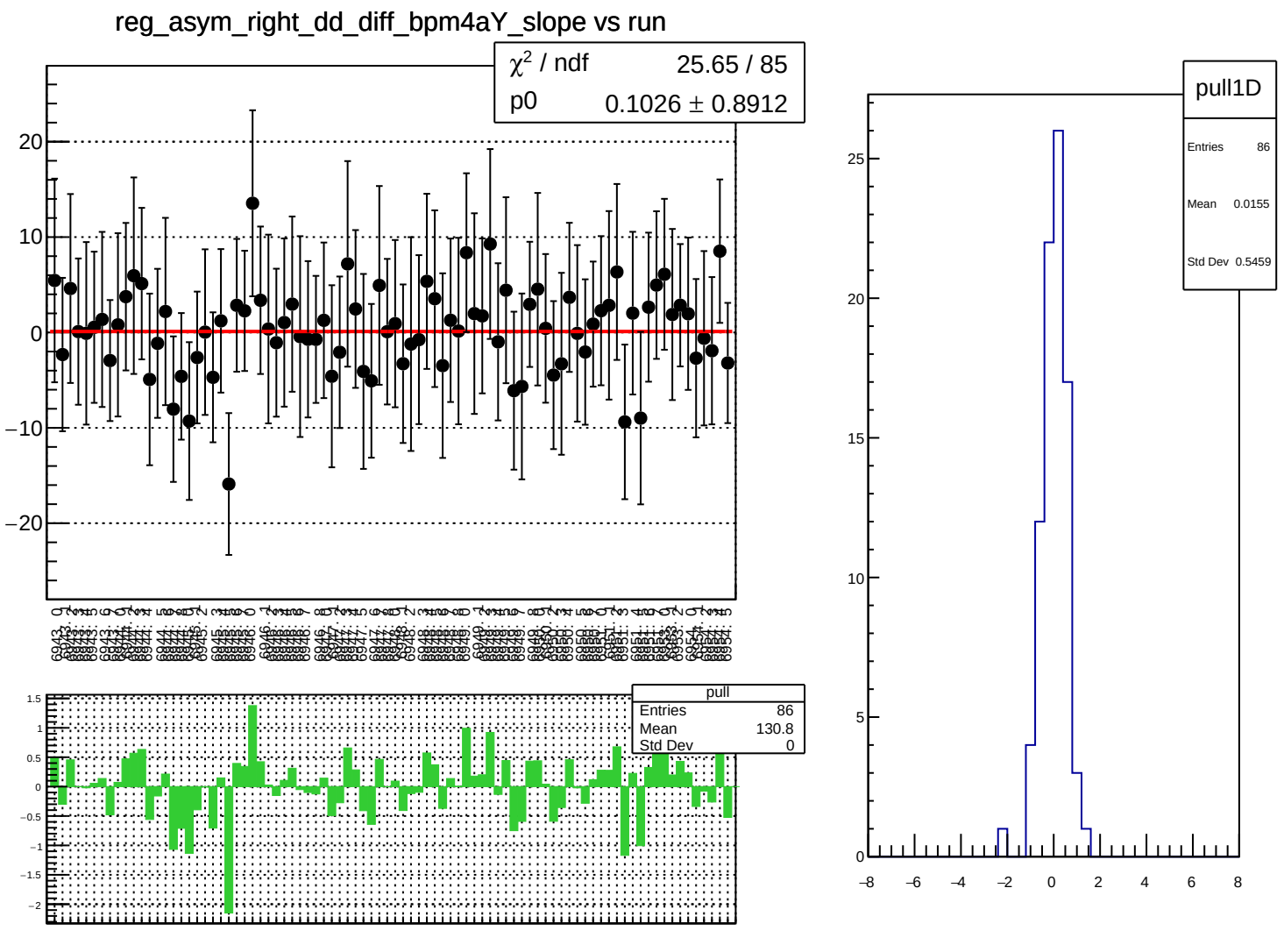

pull1D
Entries 86
Mean −0.01625
Std Dev 0.6116

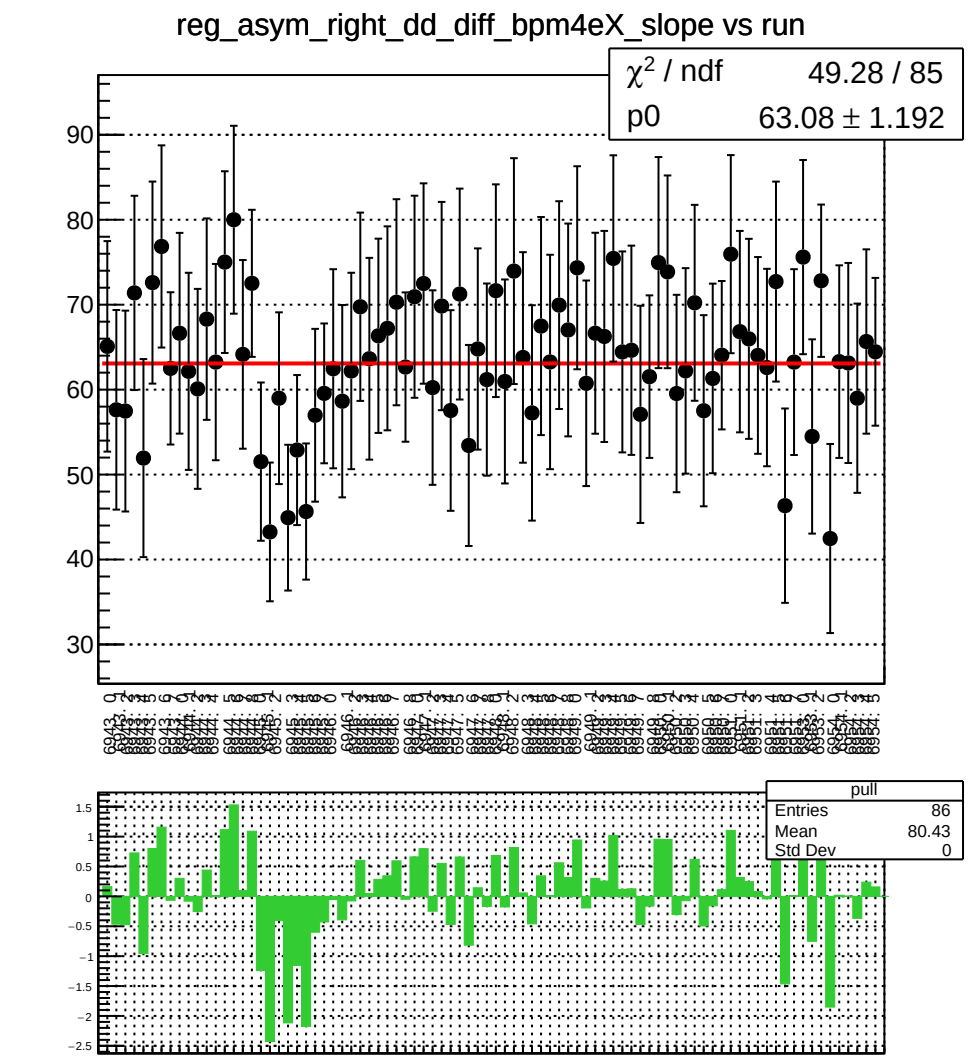

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 37.67 / 85
p0 −19.2 ± 0.03974
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
pull
Entries 86
Mean −251.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

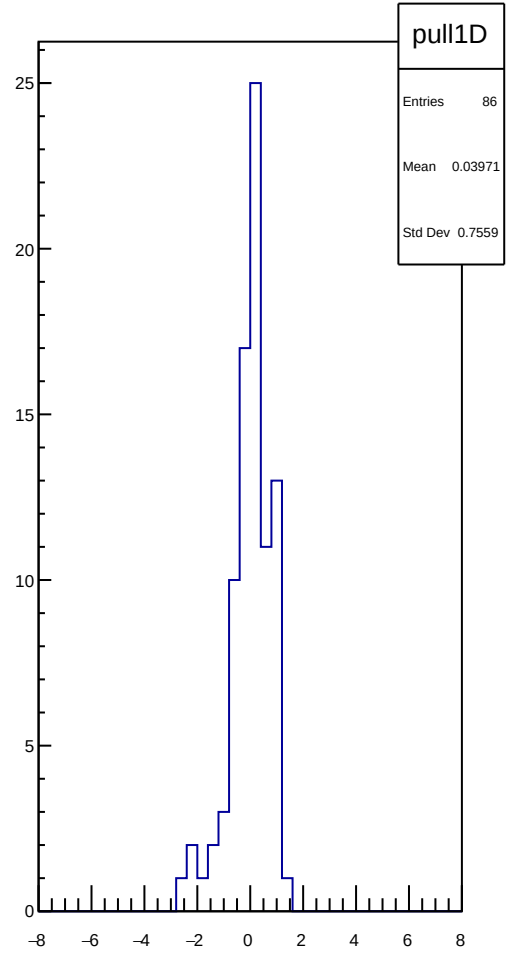

pull1D
Entries 86
Mean −0.01786
Std Dev 0.6616
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

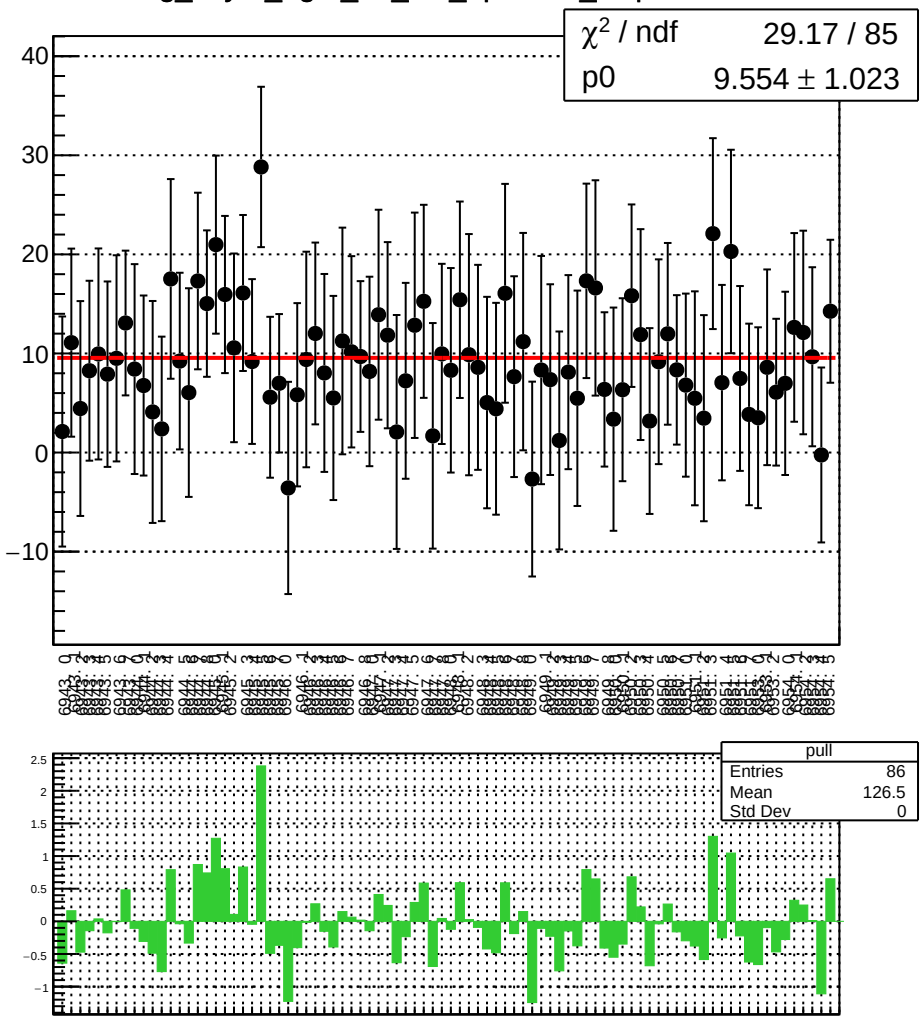

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 48.11 / 85
p0 −34.6 ± 1.28
pull
Entries 86
Mean 73.87
Std Dev 0

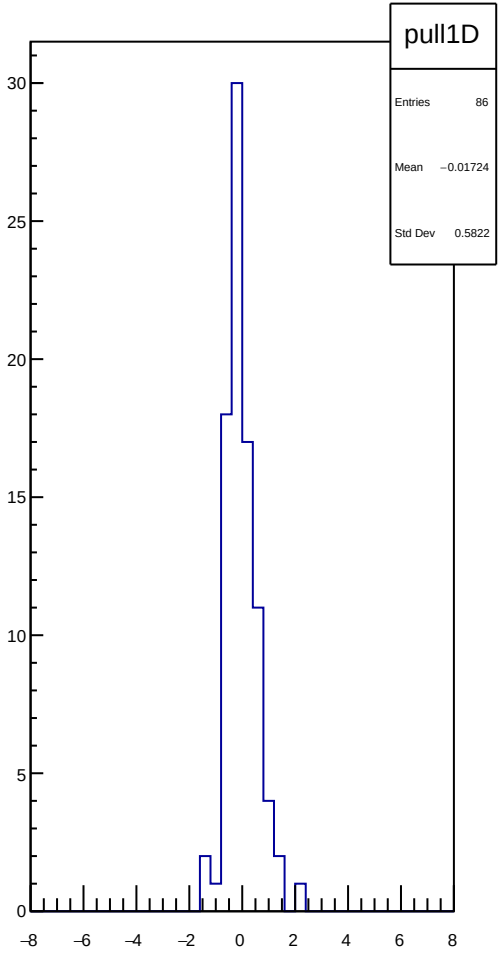

pull1D
Entries 86
Mean −0.03873
Std Dev 0.7469

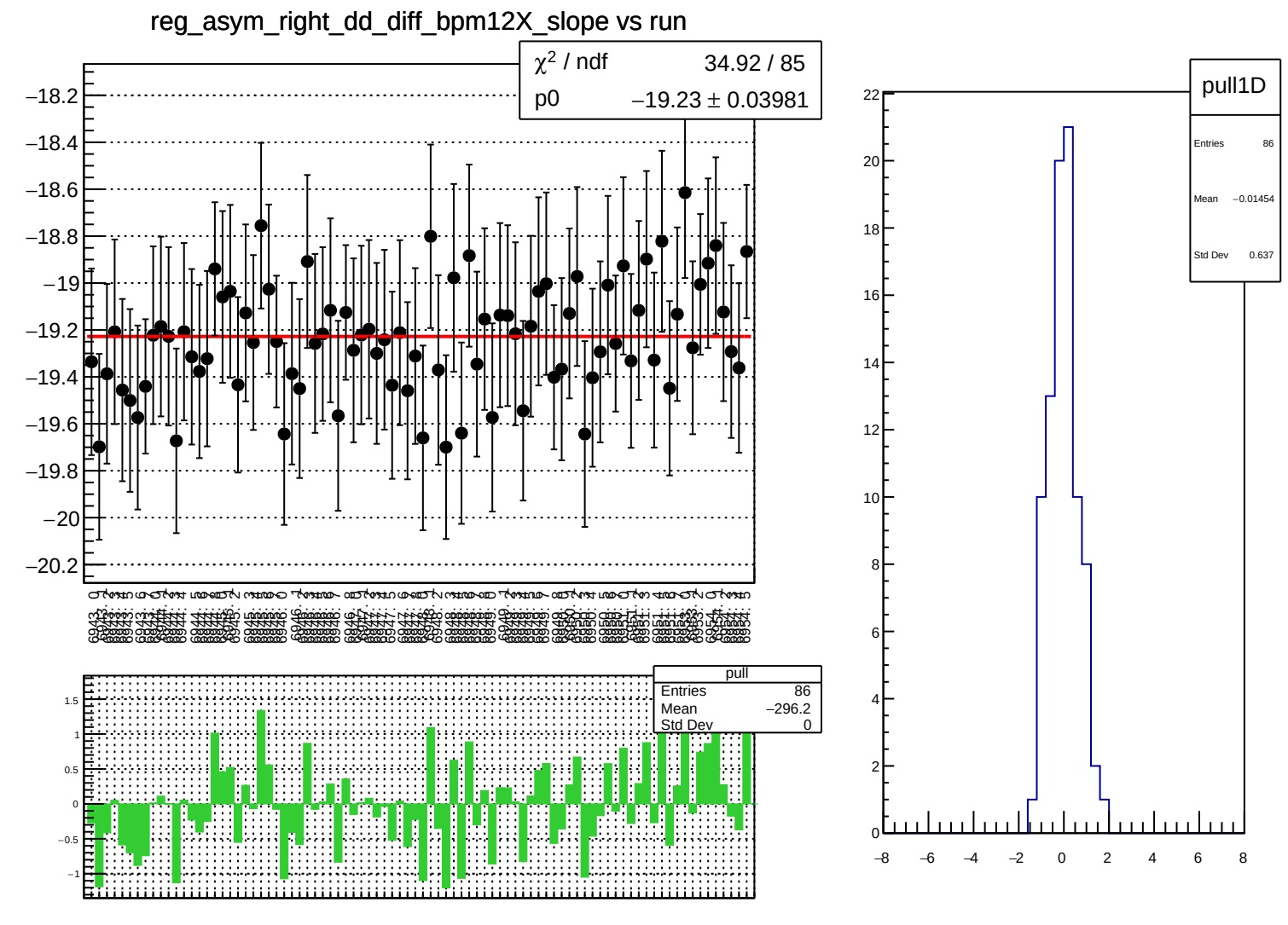

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.65 / 85
p0 0.1026 ± 0.8912
pull
Entries 86
Mean 130.8
Std Dev 0
pull1D
Entries 86
Mean 0.0155
Std Dev 0.5459

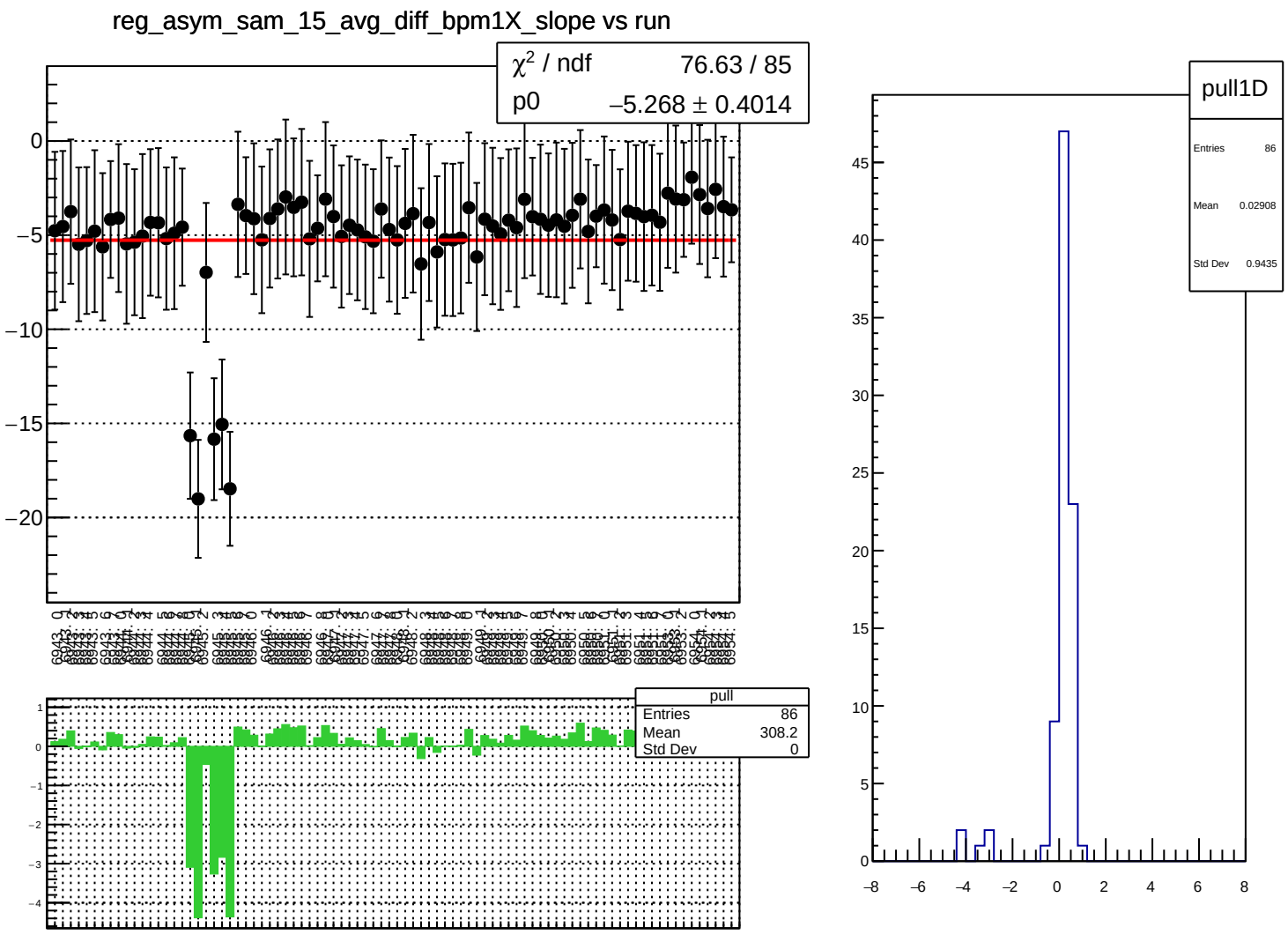

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.28 / 85
p0 63.08 ± 1.192
pull
Entries 86
Mean 80.43
Std Dev 0

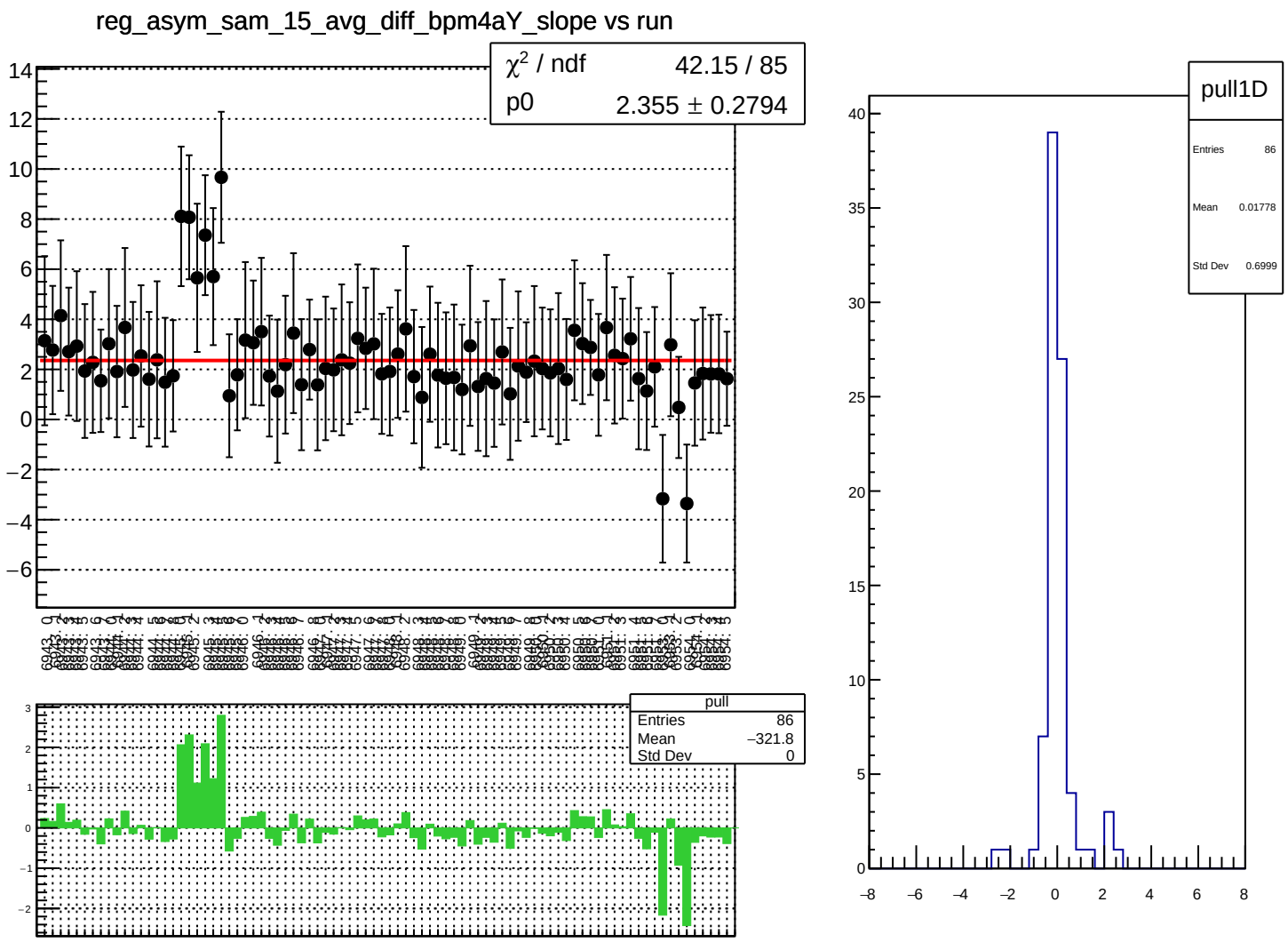

pull1D
Entries 86
Mean 0.03971
Std Dev 0.7559

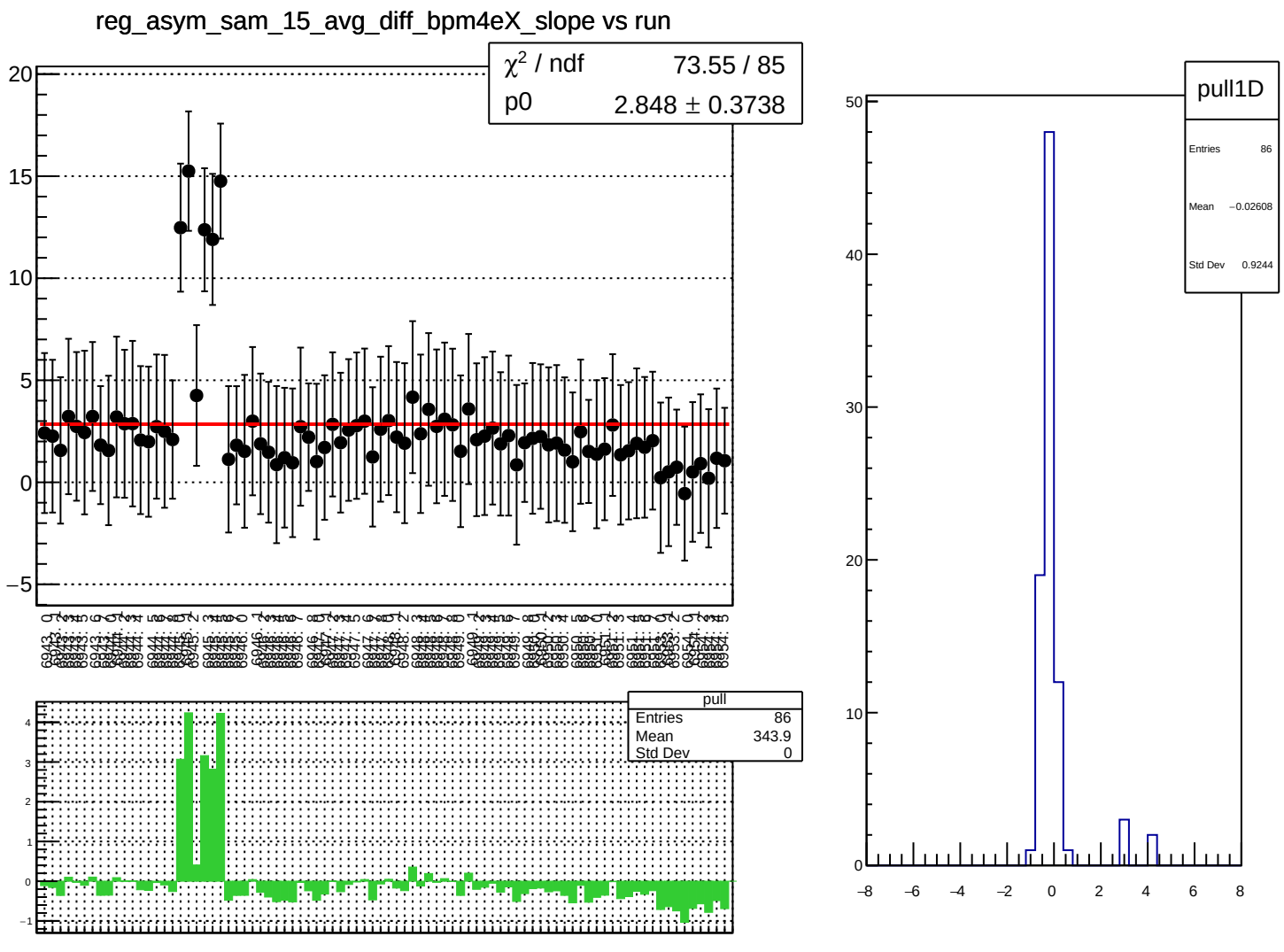

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.17 / 85
p0 9.554 ± 1.023
pull
Entries 86
Mean 126.5
Std Dev 0

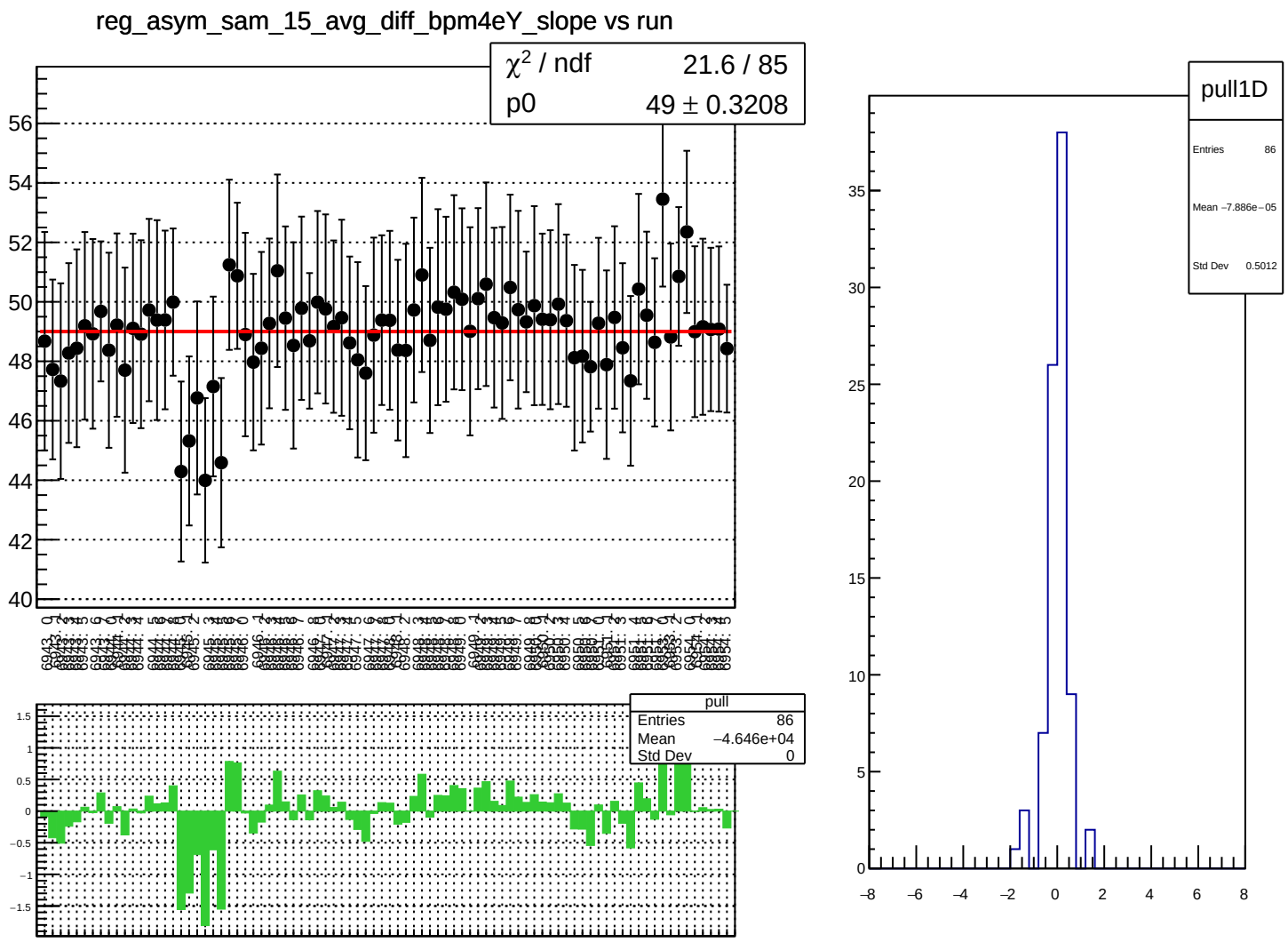

pull1D
Entries 86
Mean −0.01724
Std Dev 0.5822

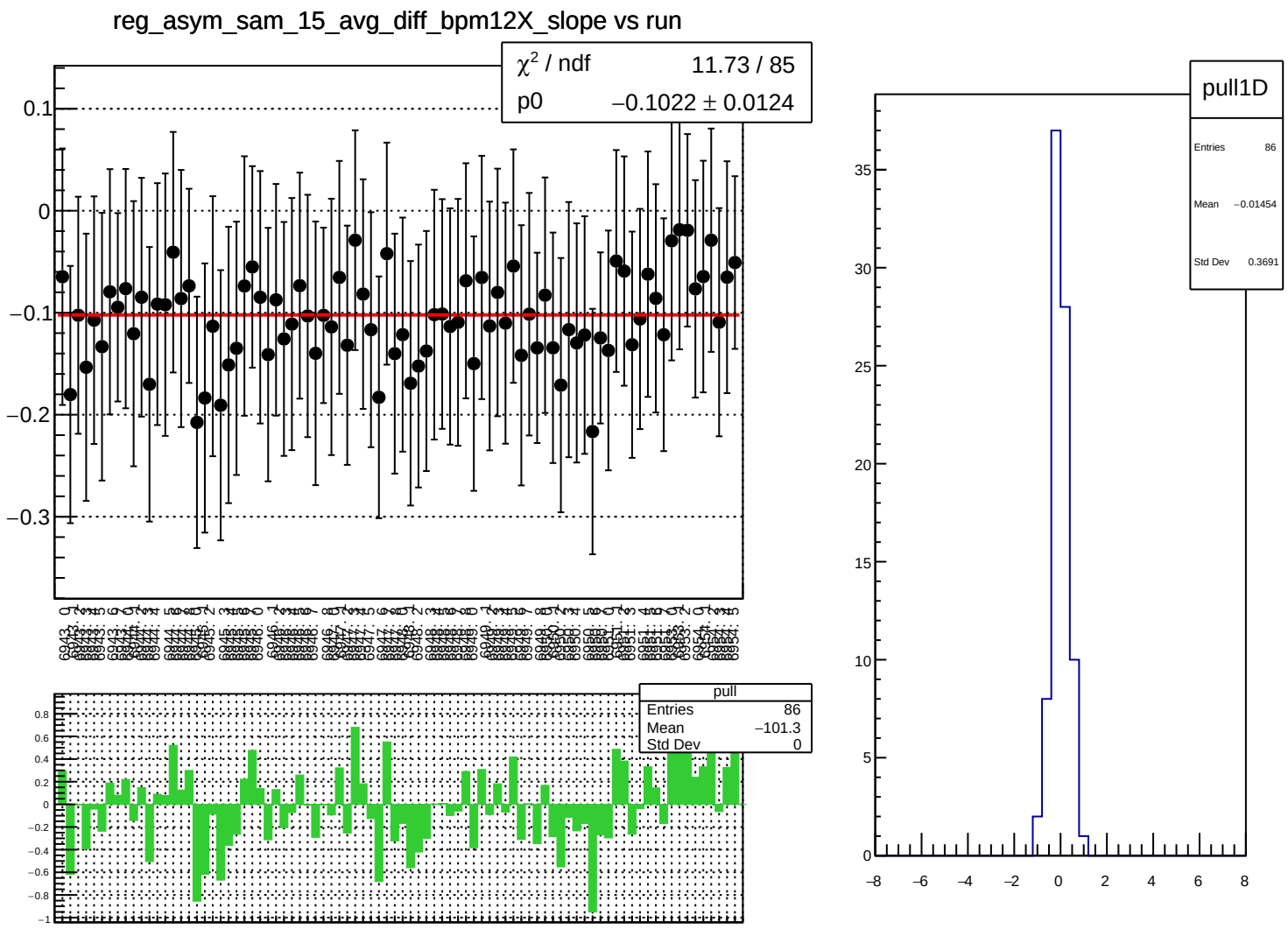

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 34.92 / 85
p0 −19.23 ± 0.03981
pull
Entries 86
Mean −296.2
Std Dev 0
pull1D
Entries 86
Mean −0.01454
Std Dev 0.637

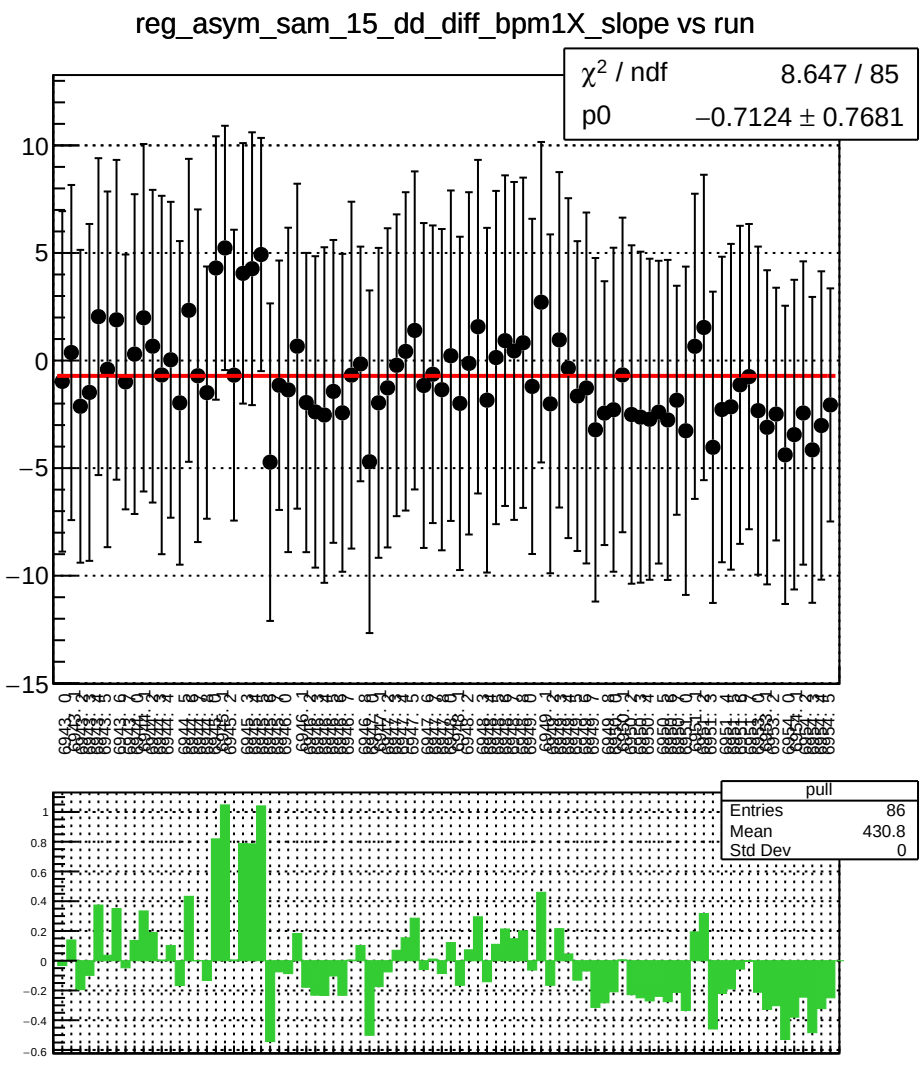

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 76.63 / 85
p0 −5.268 ± 0.4014
pull
Entries 86
Mean 308.2
Std Dev 0
pull1D
Entries 86
Mean 0.02908
Std Dev 0.9435

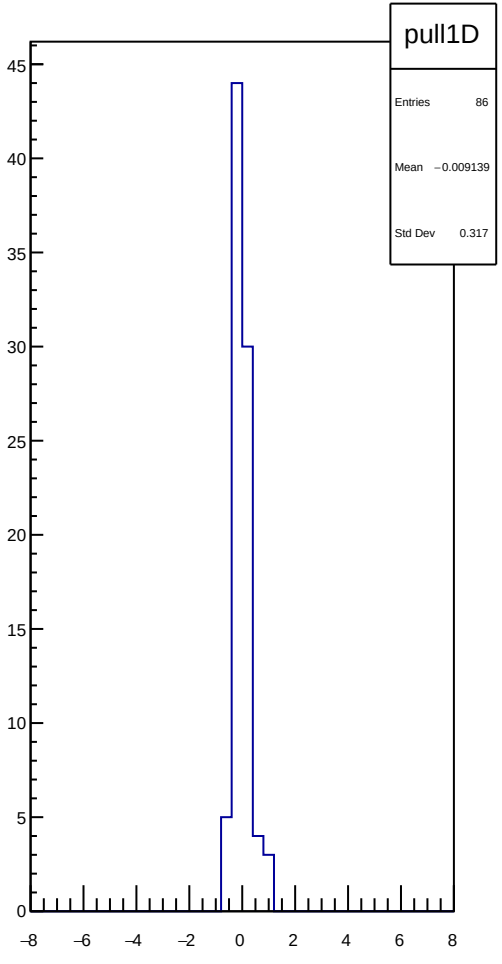

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.15 / 85
p0 2.355 ± 0.2794
pull
Entries 86
Mean −321.8
Std Dev 0
pull1D
Entries 86
Mean 0.01778
Std Dev 0.6999

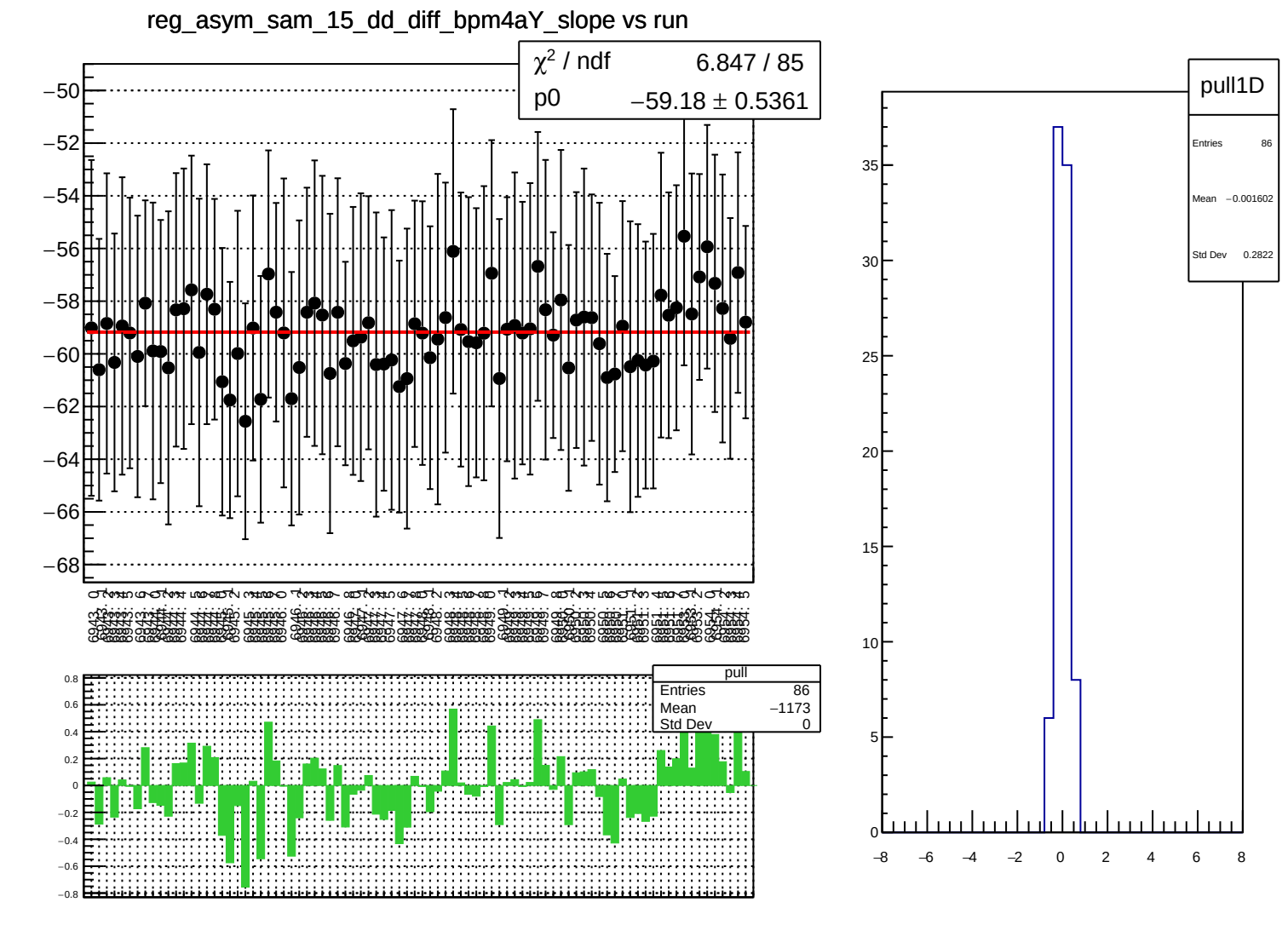

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.55 / 85
p0 2.848 ± 0.3738
pull
Entries 86
Mean 343.9
Std Dev 0
pull1D
Entries 86
Mean −0.02608
Std Dev 0.9244

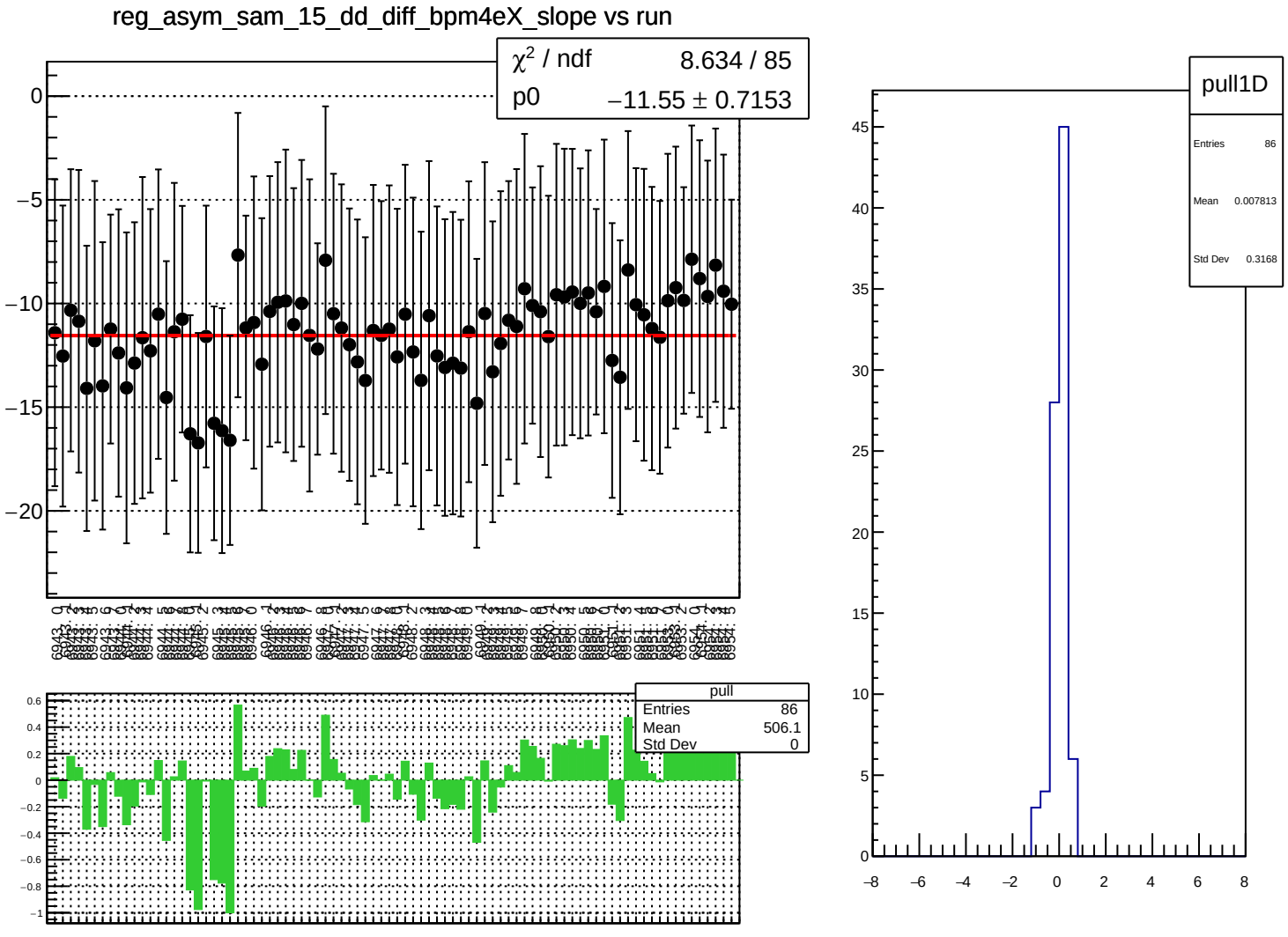

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.6 / 85
p0 49 ± 0.3208
pull
Entries 86
Mean −4.646e+04
Std Dev 0
pull1D
Entries 86
Mean −7.886e−05
Std Dev 0.5012

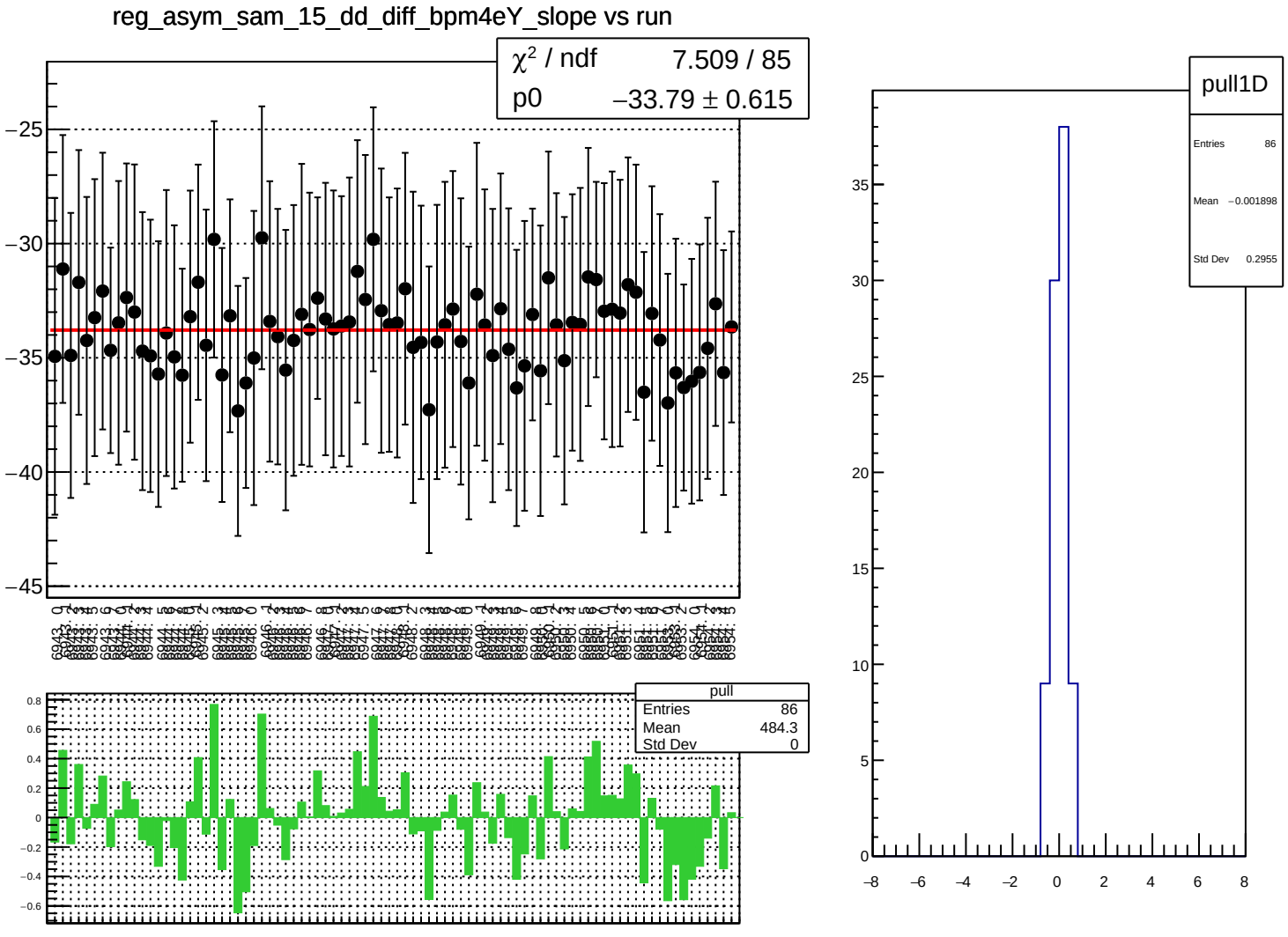

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 11.73 / 85
p0 −0.1022 ± 0.0124
pull
Entries 86
Mean −101.3
Std Dev 0
pull1D
Entries 86
Mean −0.01454
Std Dev 0.3691

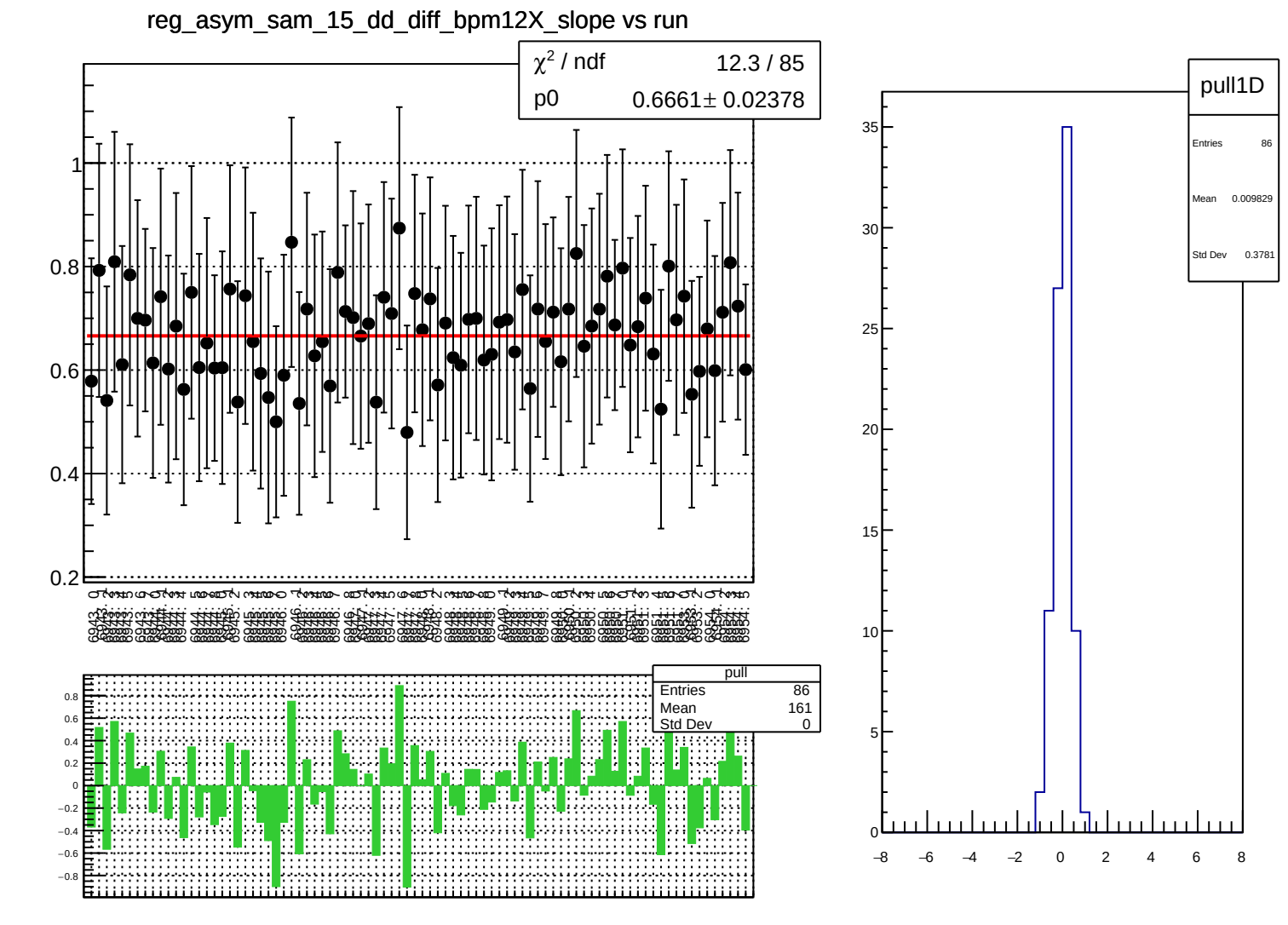

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.647 / 85
p0 −0.7124 ± 0.7681
pull
Entries 86
Mean 430.8
Std Dev 0

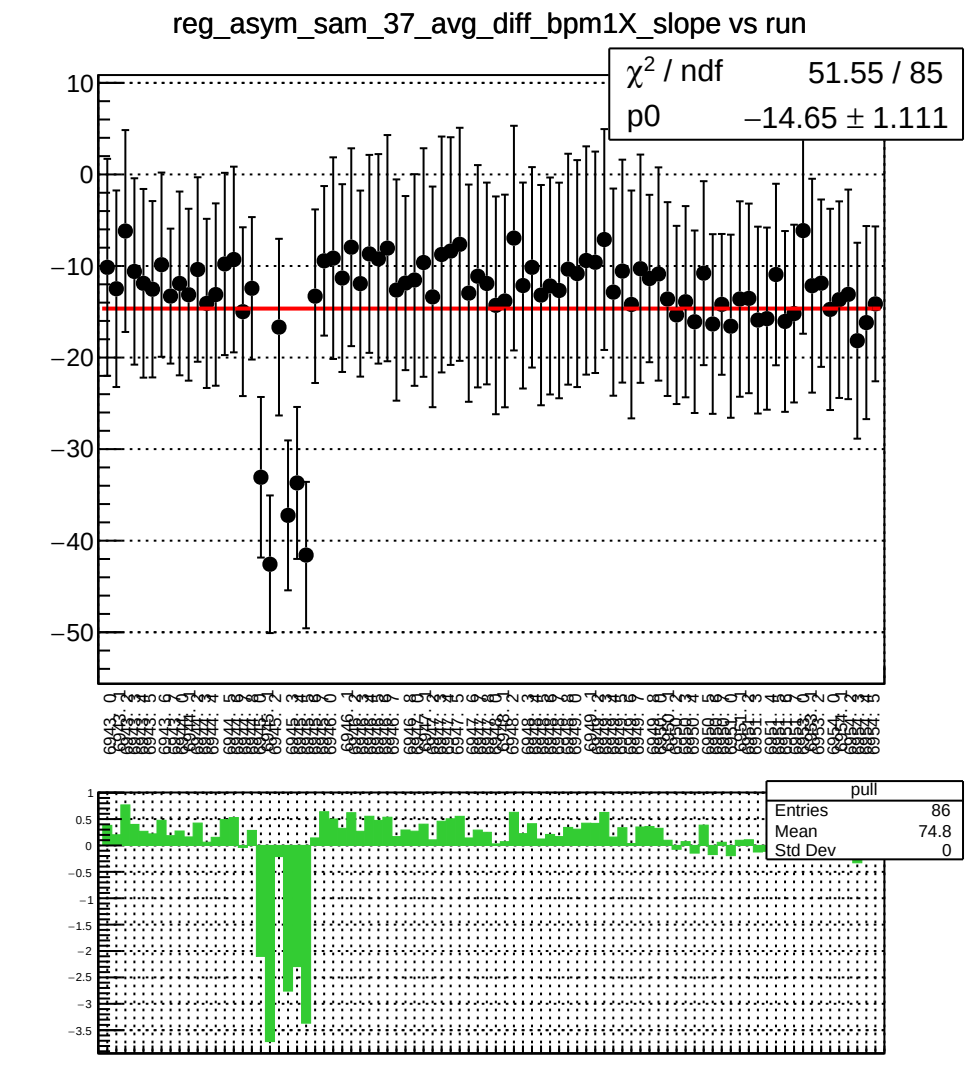

pull1D
Entries 86
Mean −0.009139
Std Dev 0.317

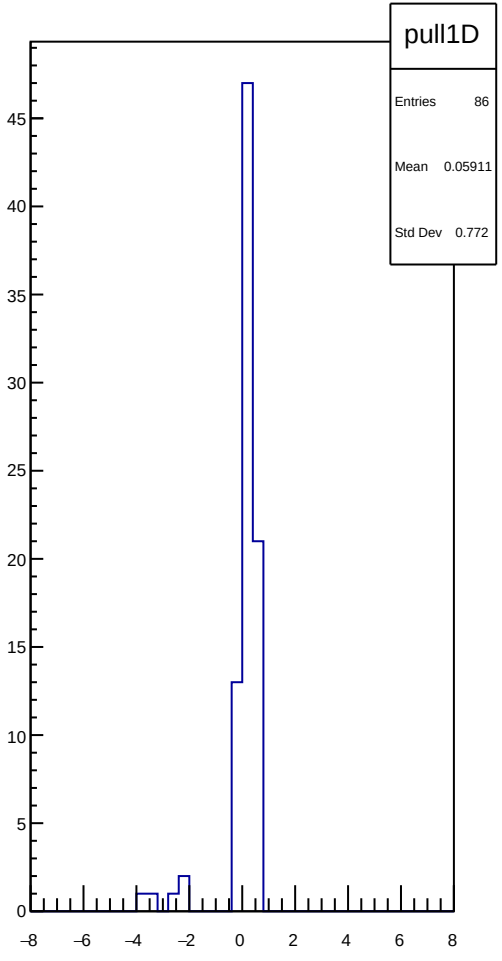

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.847 / 85
p0 −59.18 ± 0.5361
pull
Entries 86
Mean −1173
Std Dev 0
pull1D
Entries 86
Mean −0.001602
Std Dev 0.2822

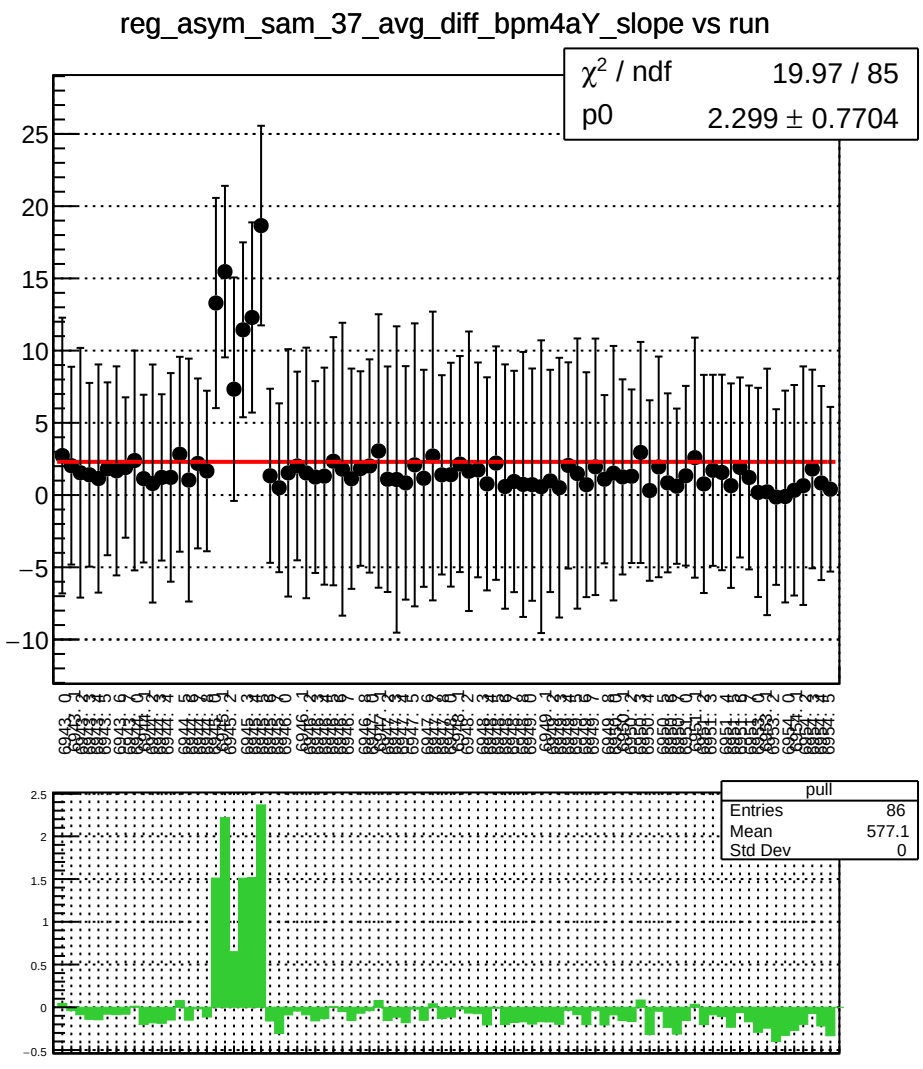

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.634 / 85
p0 −11.55 ± 0.7153
pull
Entries 86
Mean 506.1
Std Dev 0
pull1D
Entries 86
Mean 0.007813
Std Dev 0.3168

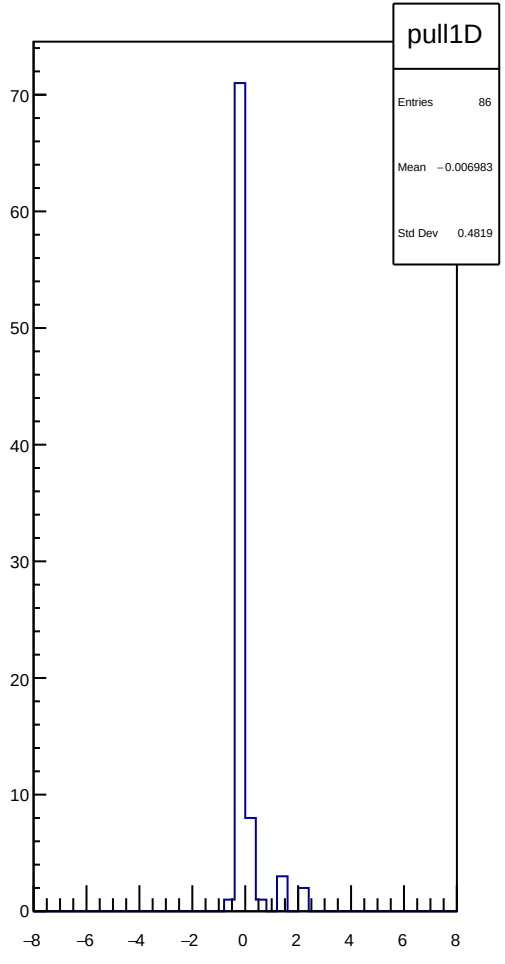

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.509 / 85
p0 −33.79 ± 0.615
pull
Entries 86
Mean 484.3
Std Dev 0
pull1D
Entries 86
Mean −0.001898
Std Dev 0.2955

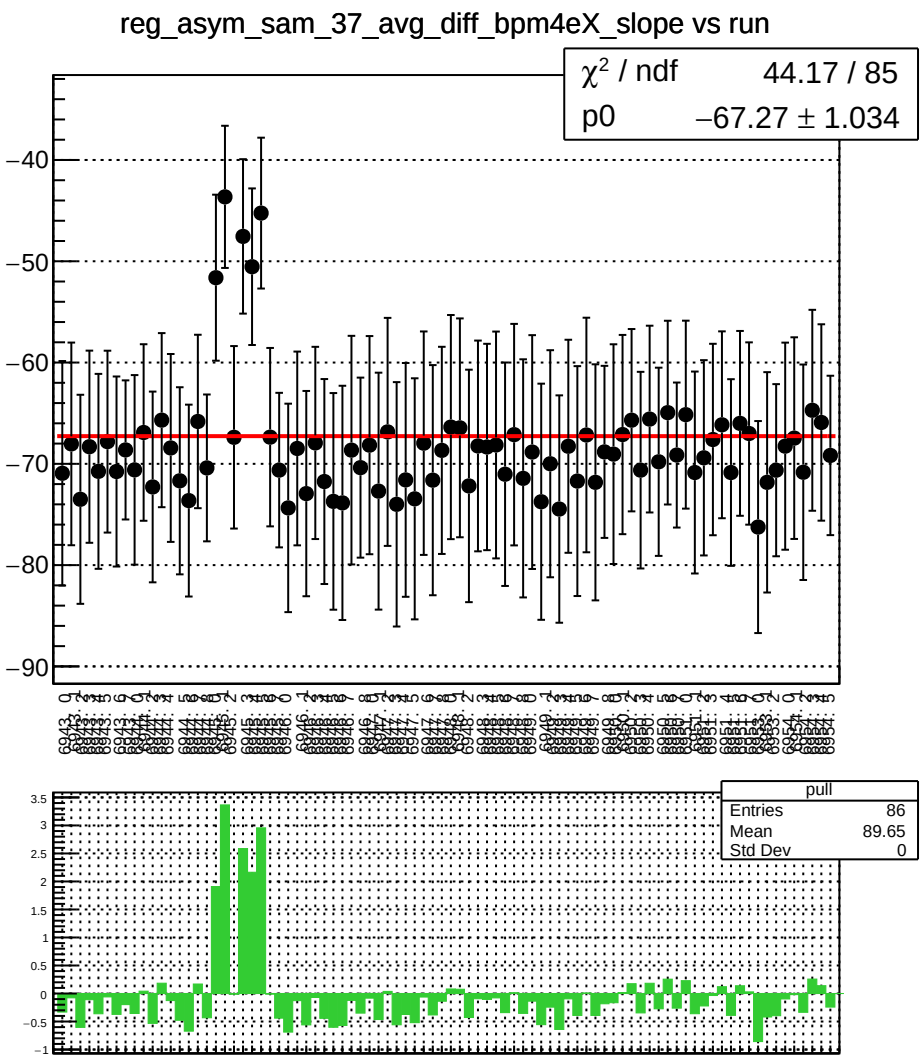

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 85
p0 0.6661± 0.02378
pull
Entries 86
Mean 161
Std Dev 0
pull1D
Entries 86
Mean 0.009829
Std Dev 0.3781

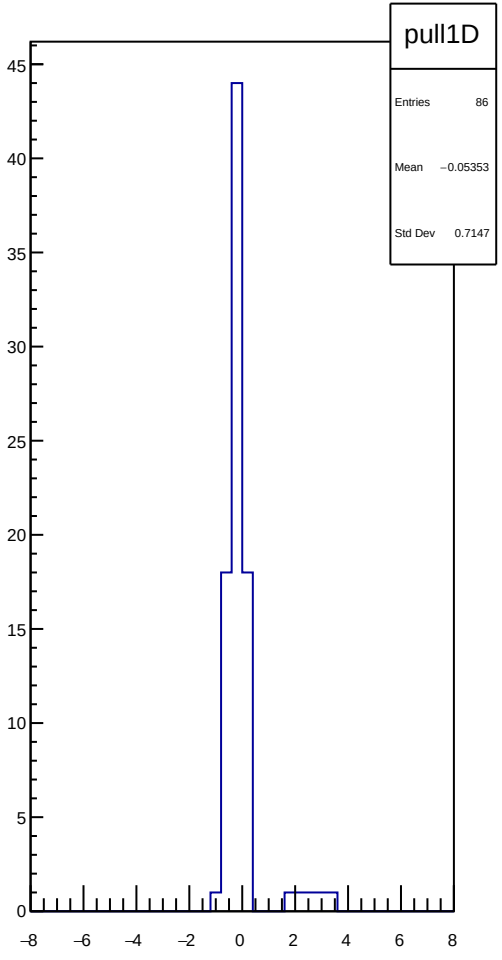

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 51.55 / 85
p0 −14.65 ± 1.111
pull
Entries 86
Mean 74.8
Std Dev 0

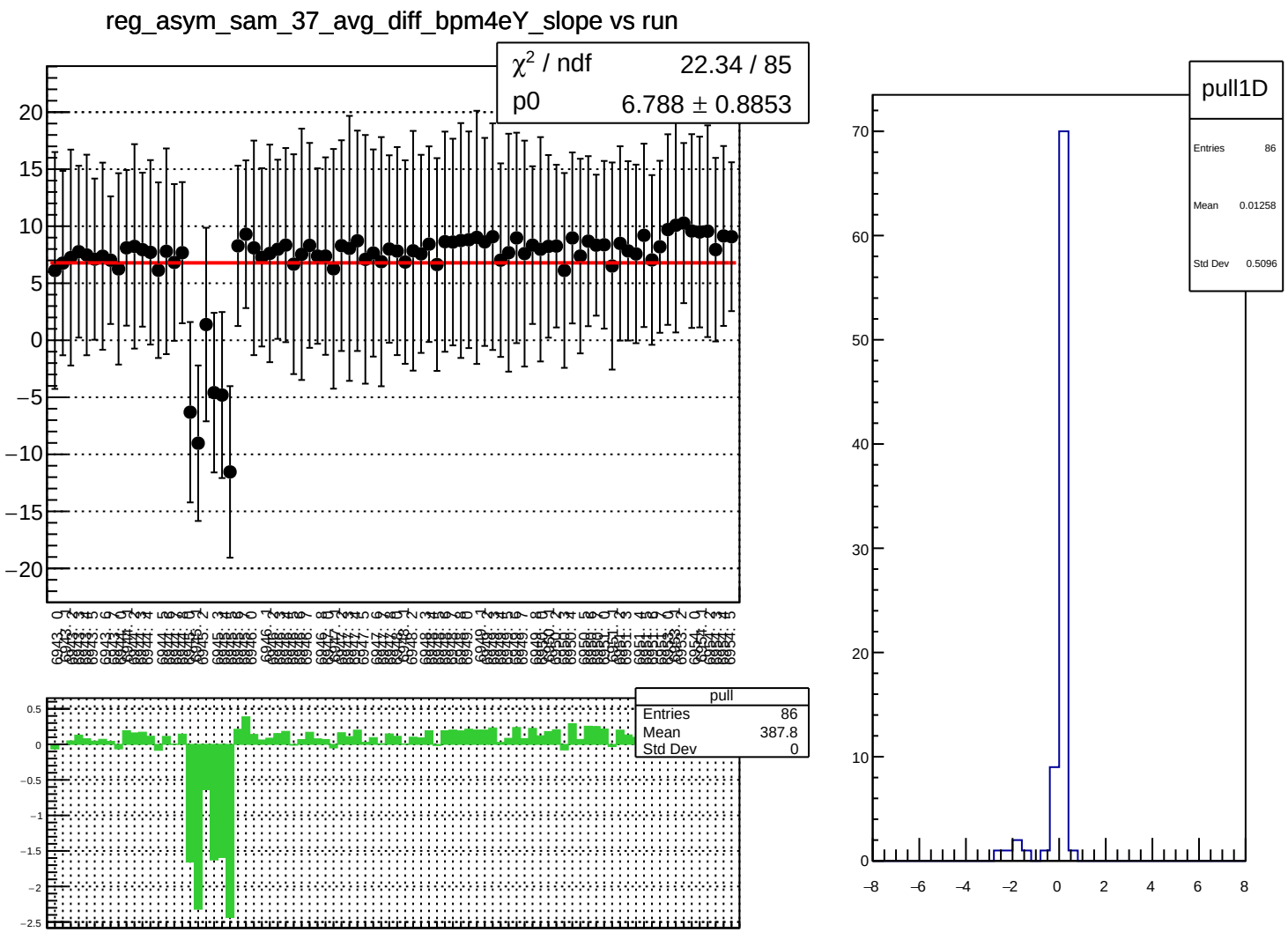

pull1D
Entries 86
Mean 0.05911
Std Dev 0.772

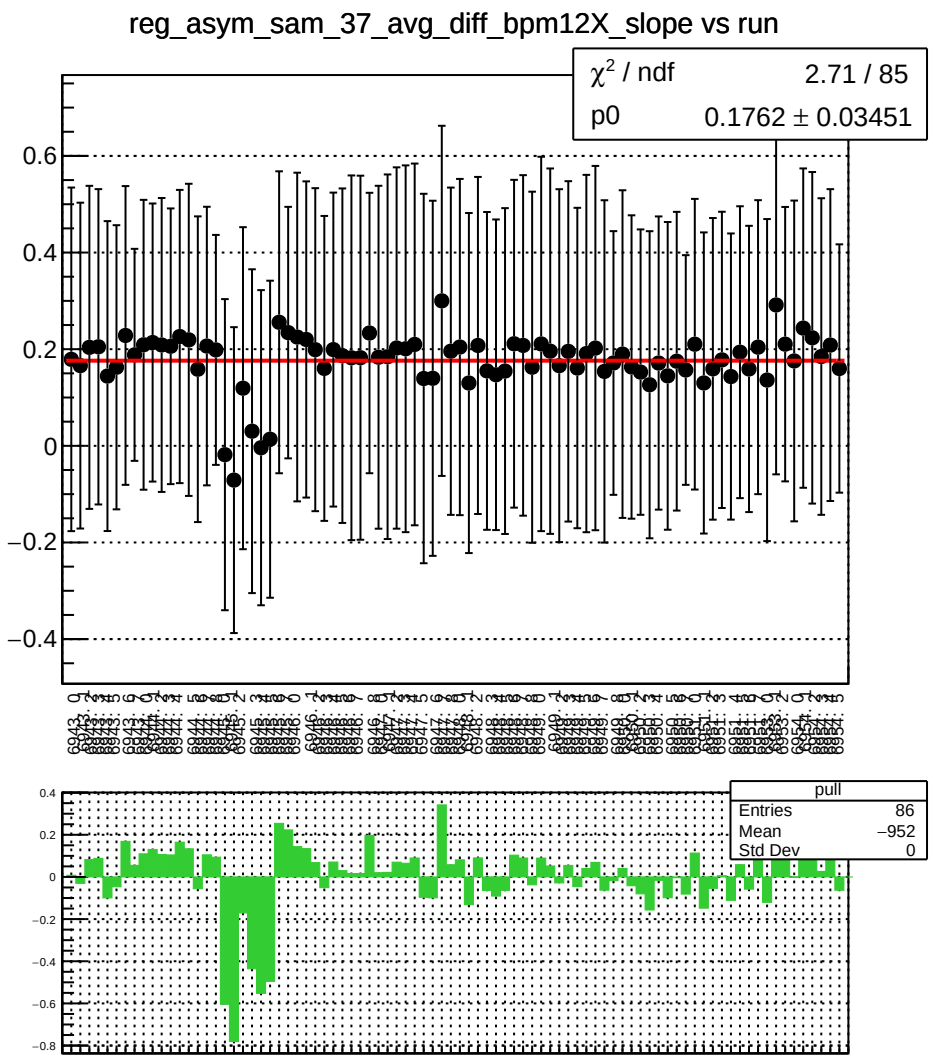

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.97 / 85
p0 2.299 ± 0.7704
pull
Entries 86
Mean 577.1
Std Dev 0

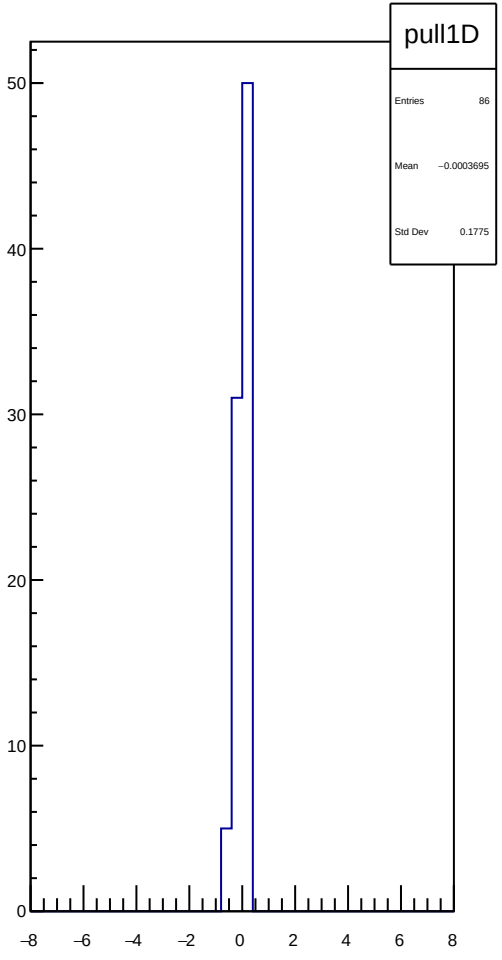

pull1D
Entries 86
Mean −0.006983
Std Dev 0.4819

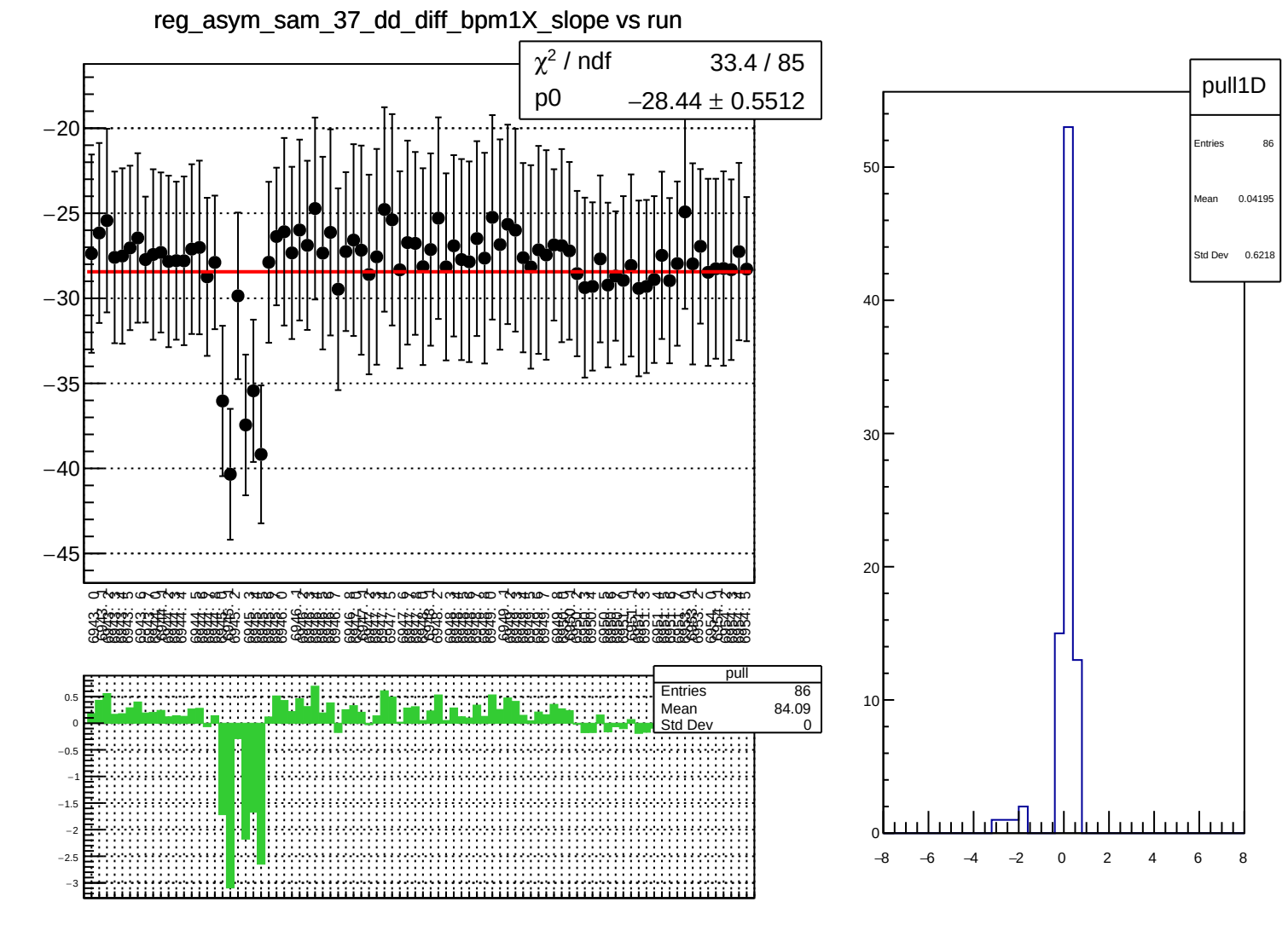

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.17 / 85
p0 −67.27 ± 1.034
pull
Entries 86
Mean 89.65
Std Dev 0

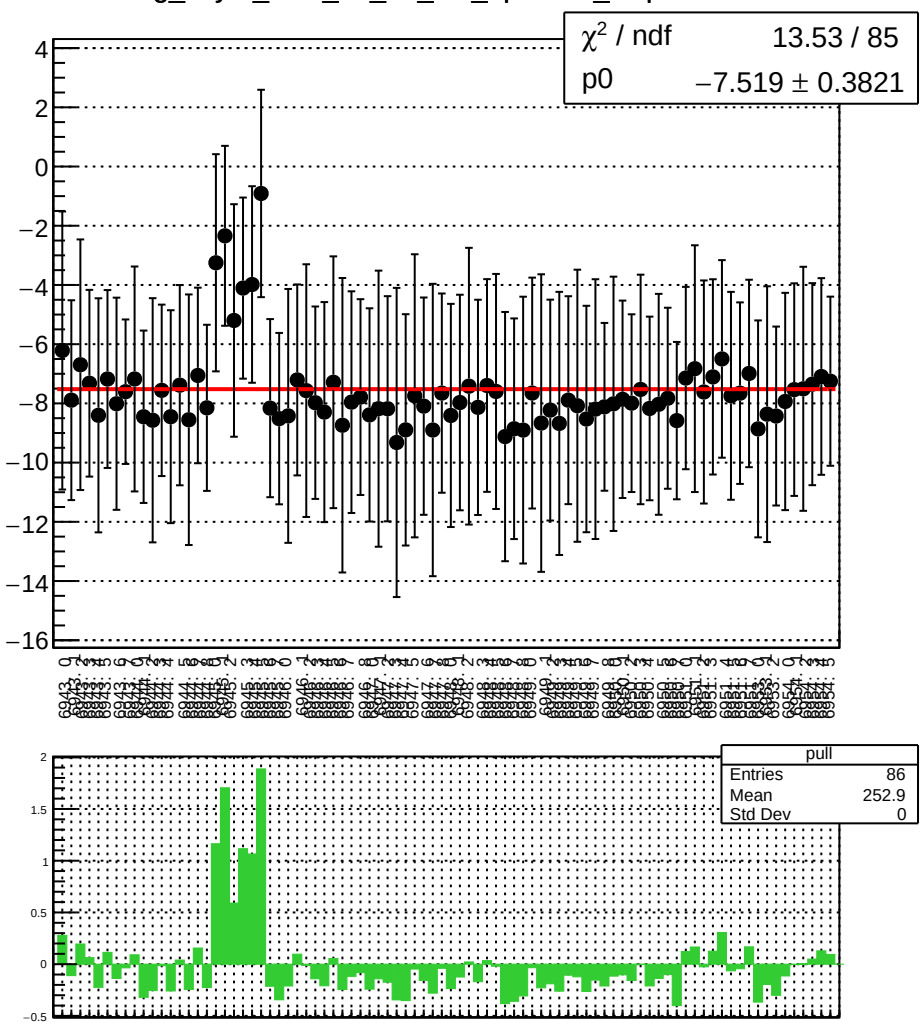

pull1D
Entries 86
Mean −0.05353
Std Dev 0.7147

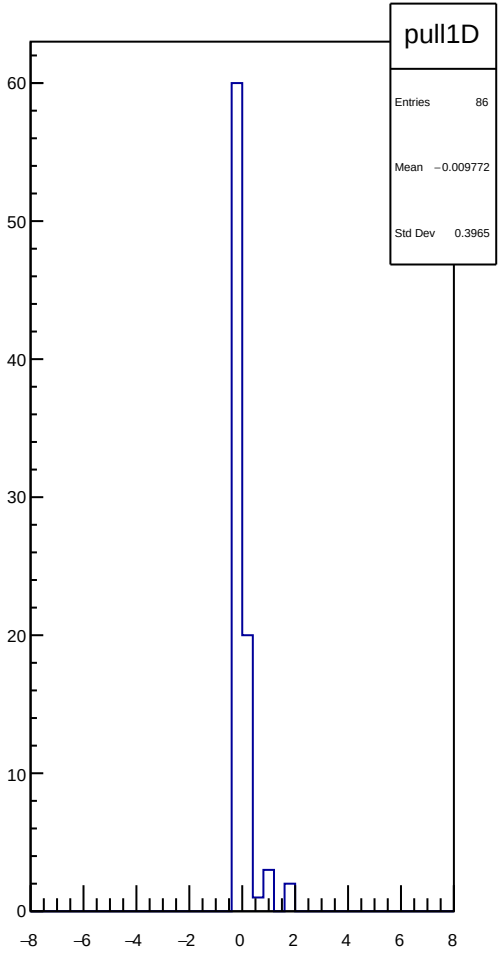

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.34 / 85
p0 6.788 ± 0.8853
pull
Entries 86
Mean 387.8
Std Dev 0
pull1D
Entries 86
Mean 0.01258
Std Dev 0.5096

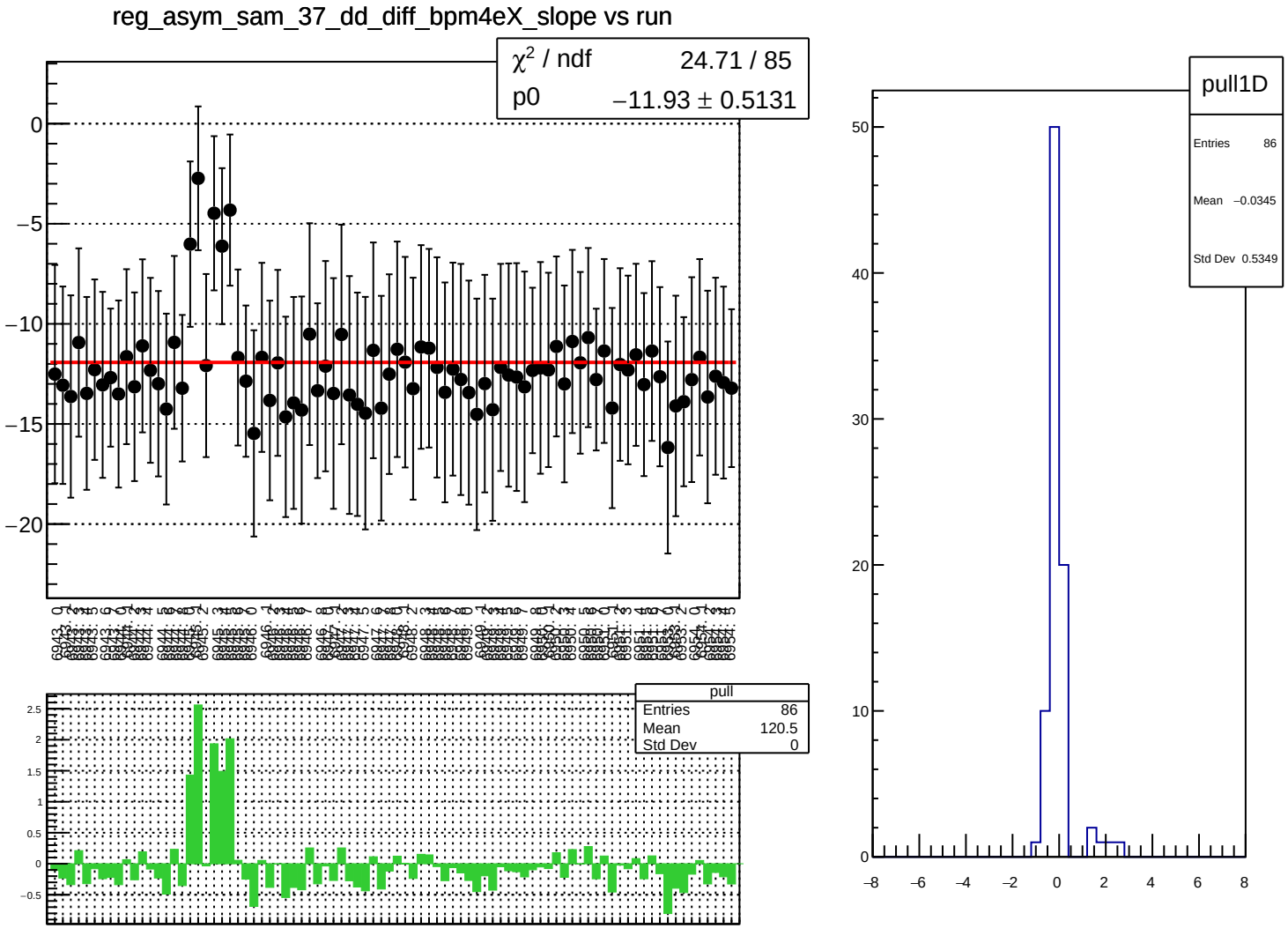

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.71 / 85
p0 0.1762 ± 0.03451
pull
Entries 86
Mean −952
Std Dev 0

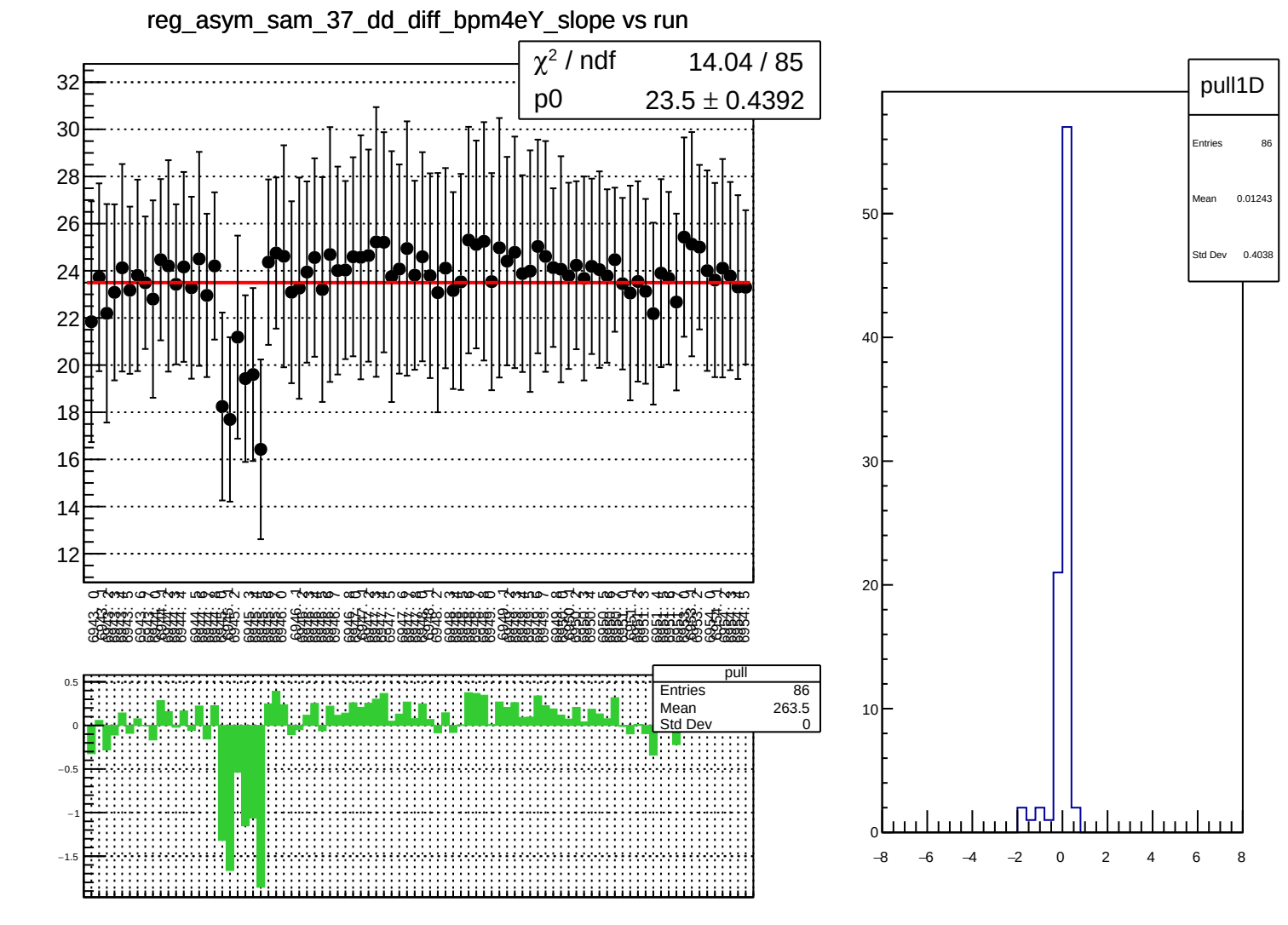

pull1D
Entries 86
Mean −0.0003695
Std Dev 0.1775

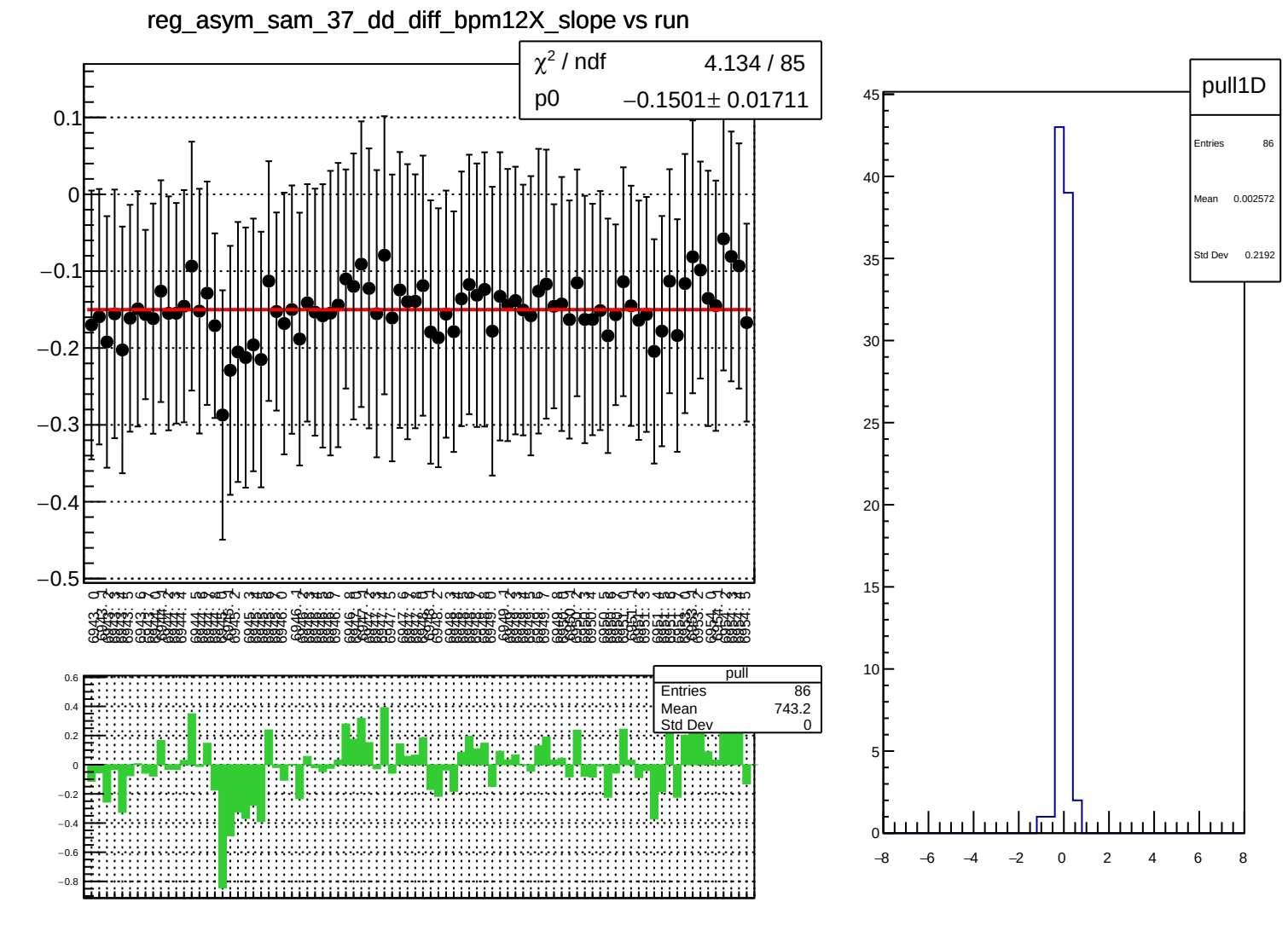

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 33.4 / 85
p0 −28.44 ± 0.5512
pull
Entries 86
Mean 84.09
Std Dev 0
pull1D
Entries 86
Mean 0.04195
Std Dev 0.6218

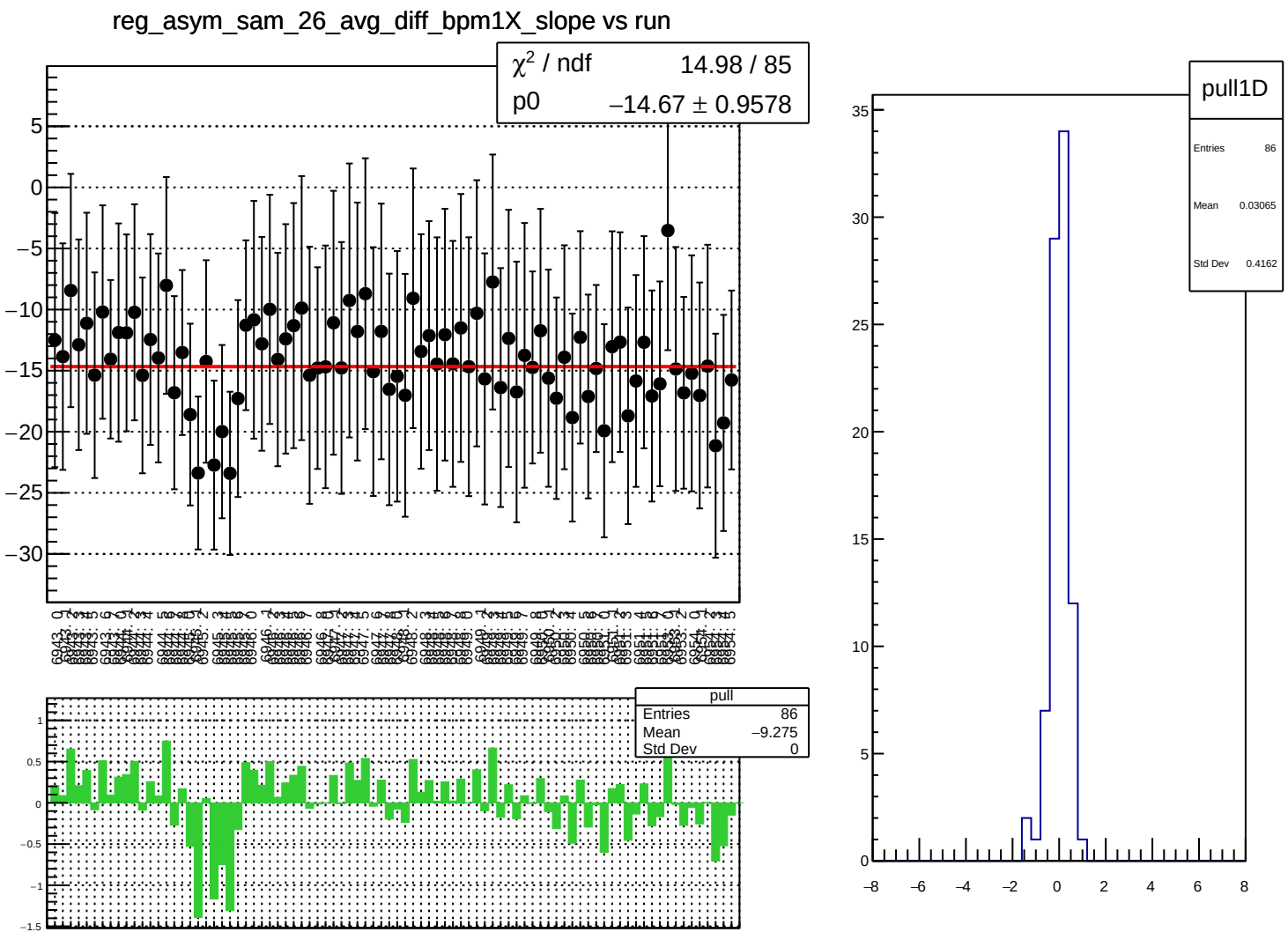

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.53 / 85
p0 −7.519 ± 0.3821
pull
Entries 86
Mean 252.9
Std Dev 0

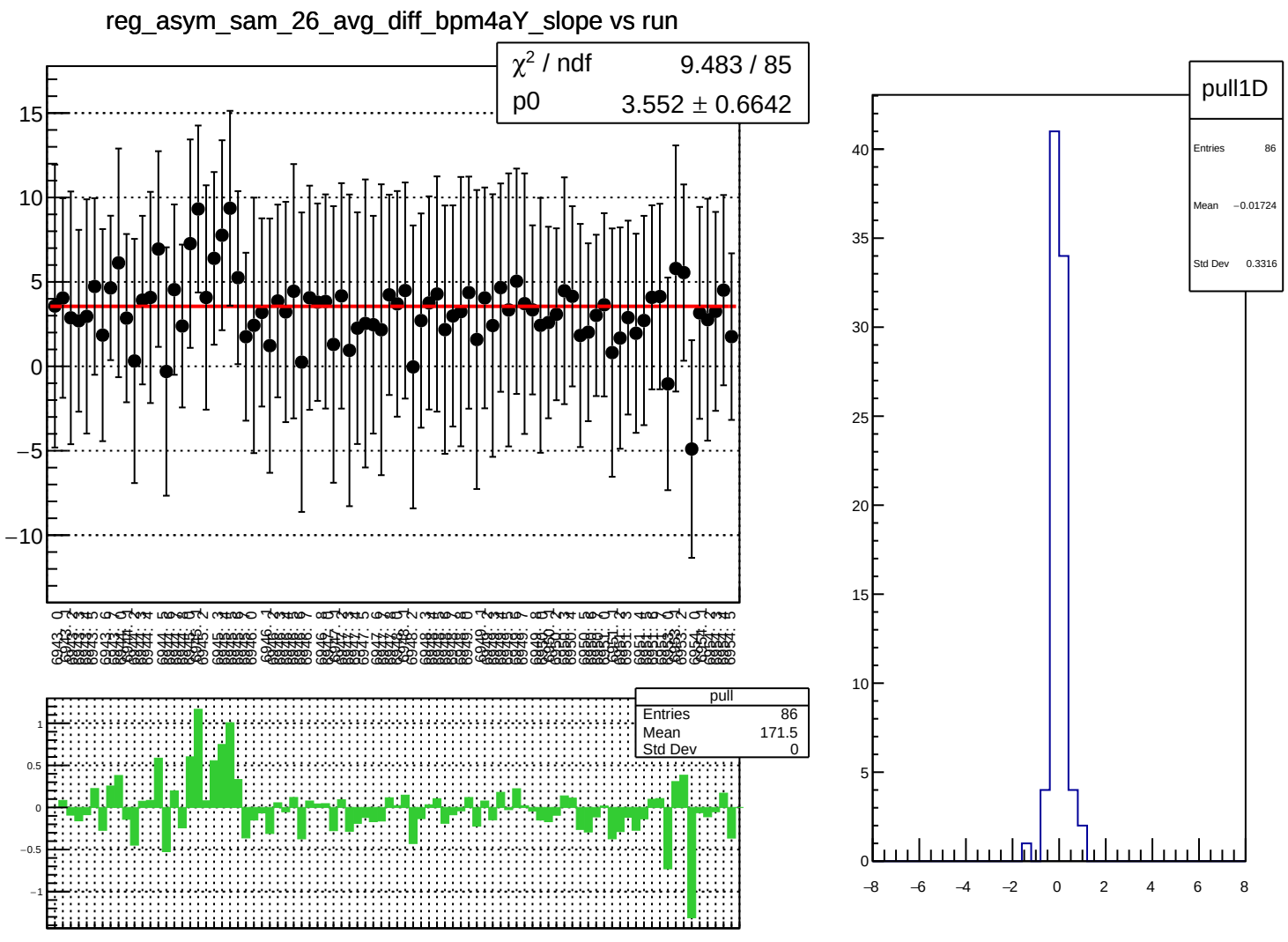

pull1D
Entries 86
Mean −0.009772
Std Dev 0.3965

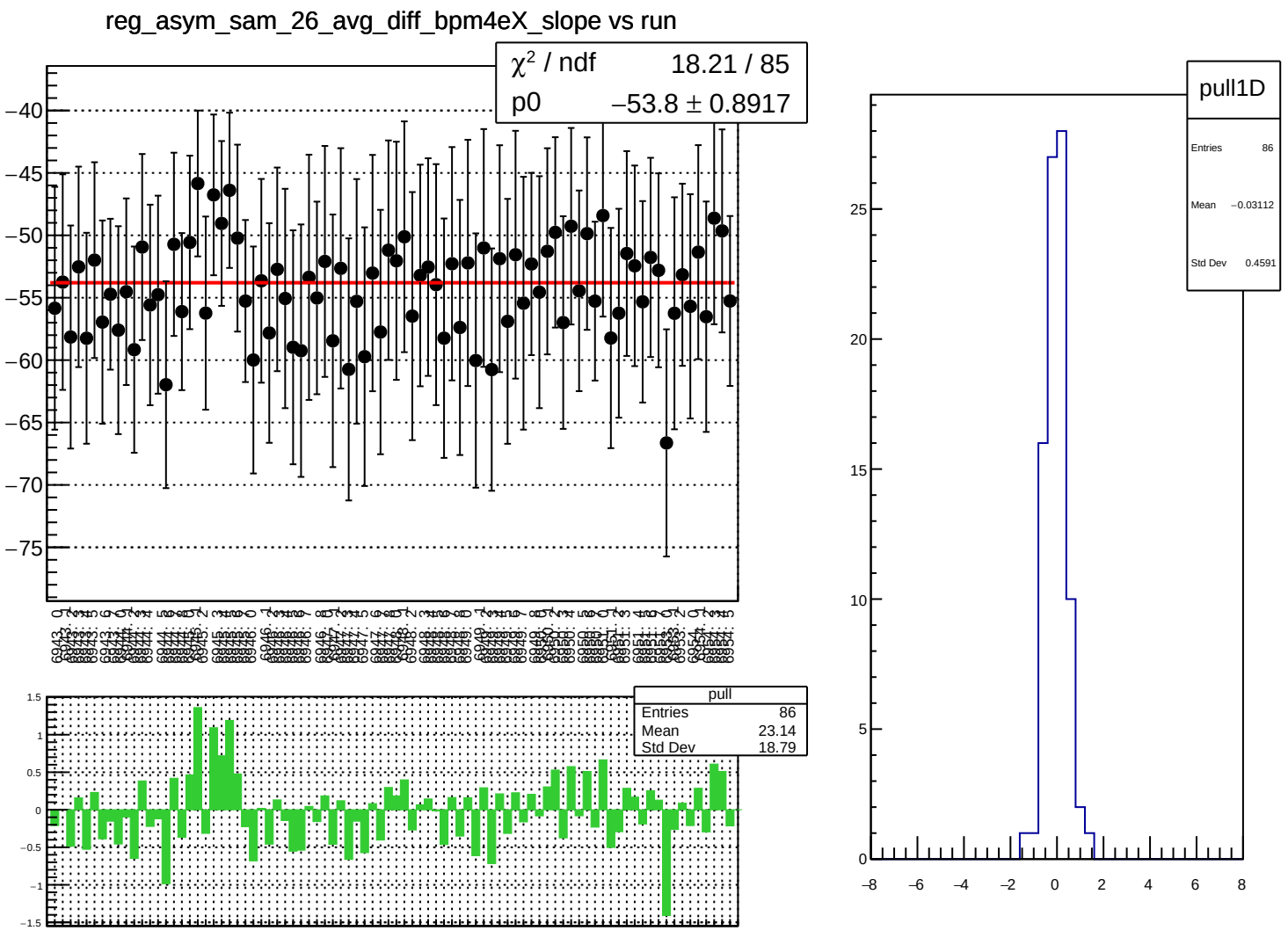

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.71 / 85
p0 −11.93 ± 0.5131
pull
Entries 86
Mean 120.5
Std Dev 0
pull1D
Entries 86
Mean −0.0345
Std Dev 0.5349

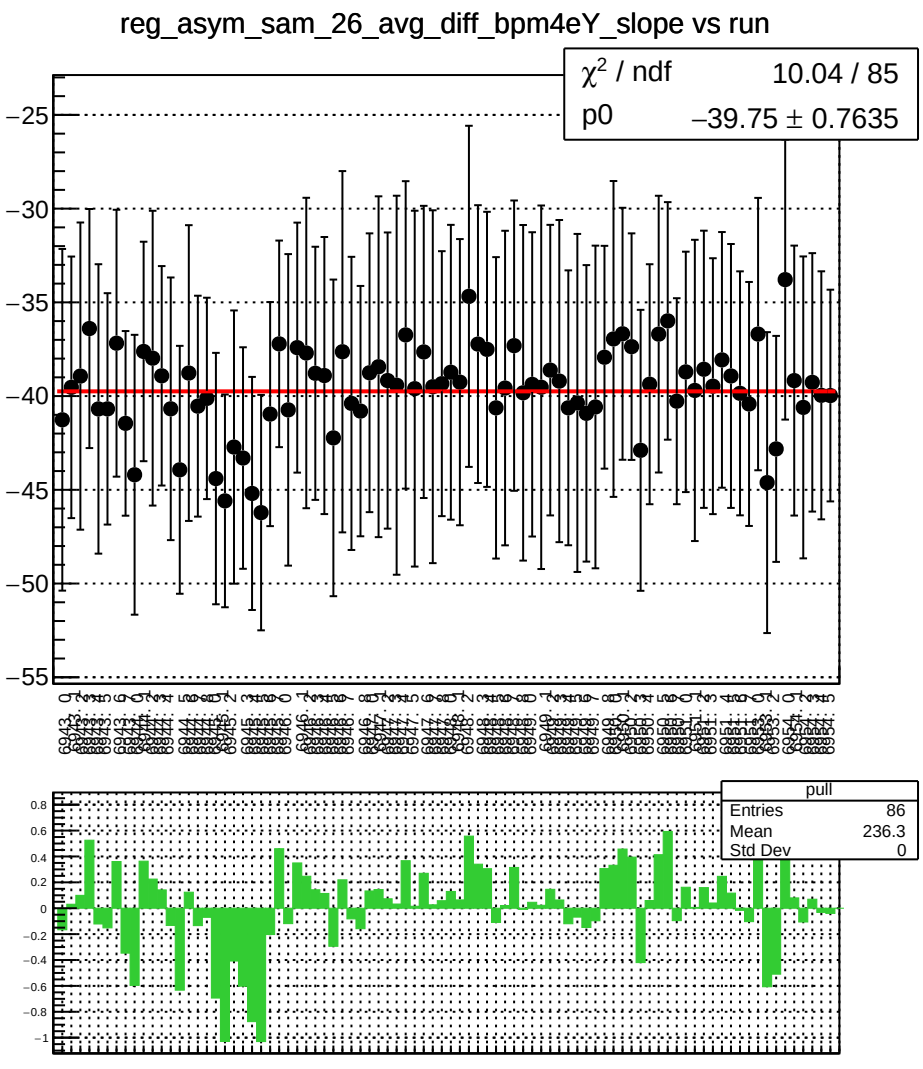

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.04 / 85
p0 23.5 ± 0.4392
pull
Entries 86
Mean 263.5
Std Dev 0
pull1D
Entries 86
Mean 0.01243
Std Dev 0.4038

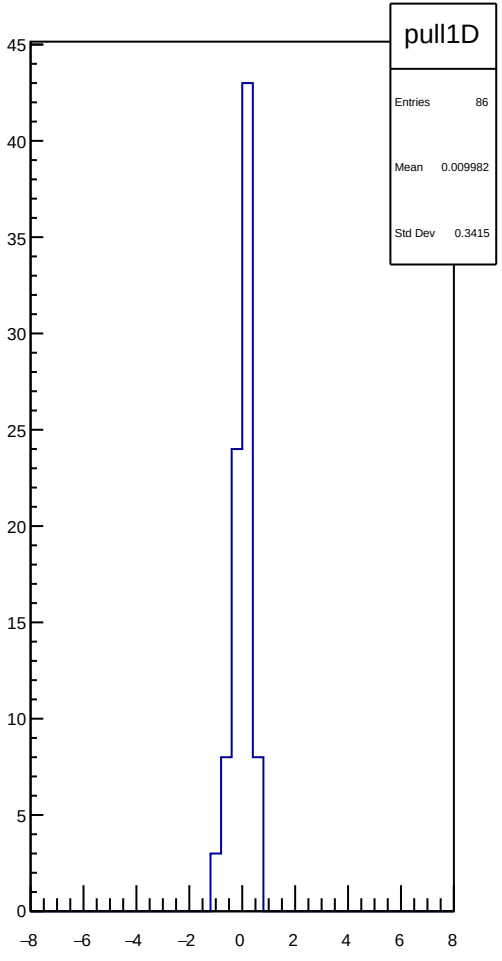

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.134 / 85
p0 −0.1501± 0.01711
pull
Entries 86
Mean 743.2
Std Dev 0
pull1D
Entries 86
Mean 0.002572
Std Dev 0.2192

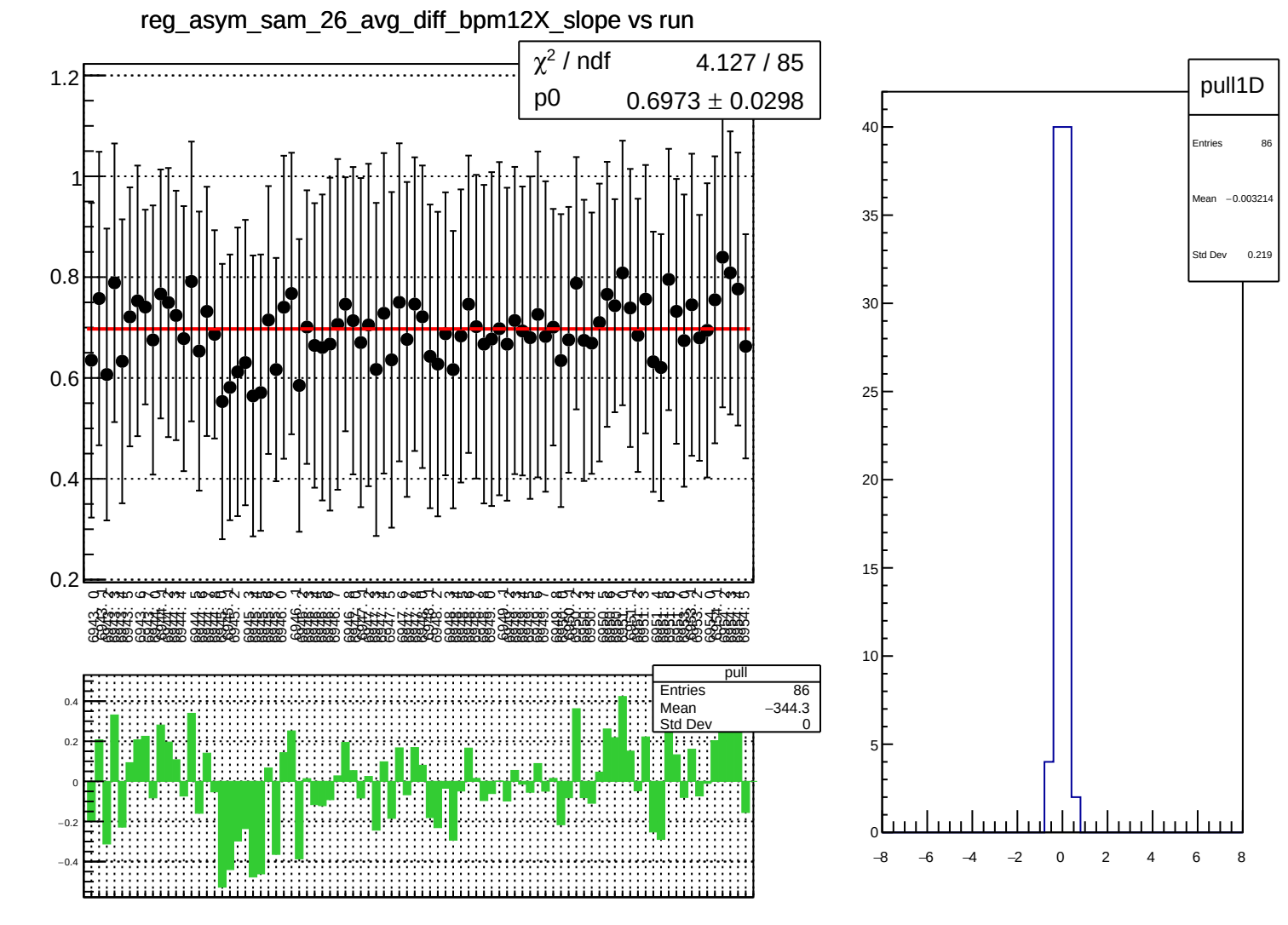

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 14.98 / 85
p0 −14.67 ± 0.9578
pull
Entries 86
Mean −9.275
Std Dev 0
pull1D
Entries 86
Mean 0.03065
Std Dev 0.4162

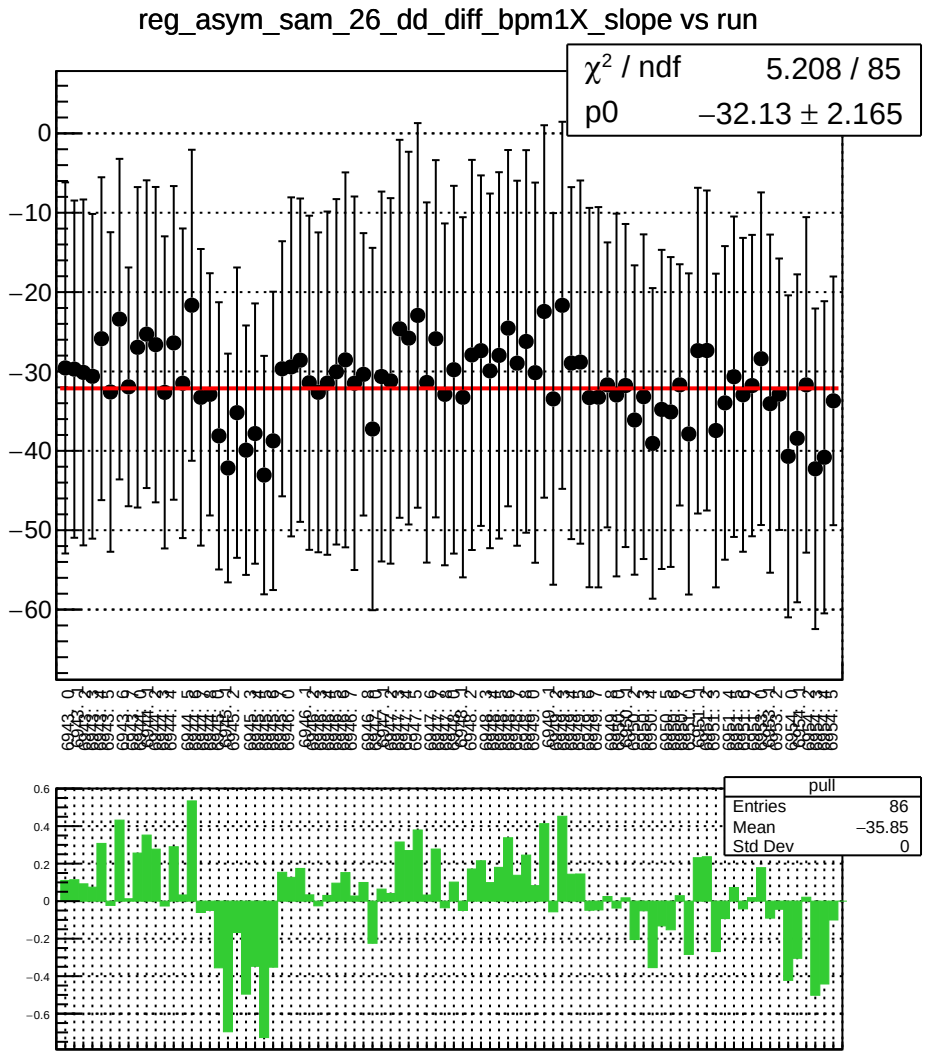

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.483 / 85
p0 3.552 ± 0.6642
pull
Entries 86
Mean 171.5
Std Dev 0
pull1D
Entries 86
Mean −0.01724
Std Dev 0.3316

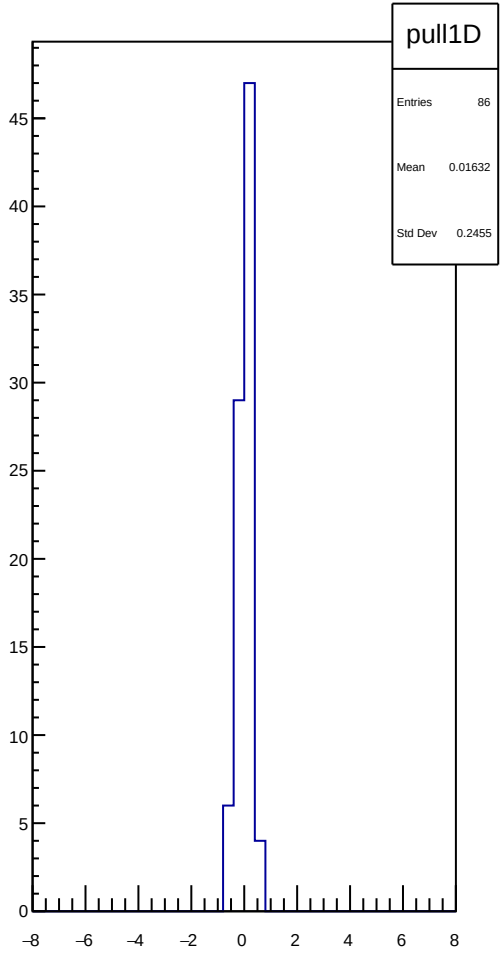

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.21 / 85
p0 −53.8 ± 0.8917
−40
−45
−50
−55
−60
−65
−70
−75
pull
Entries 86
Mean 23.14
Std Dev 18.79
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.03112
Std Dev 0.4591
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

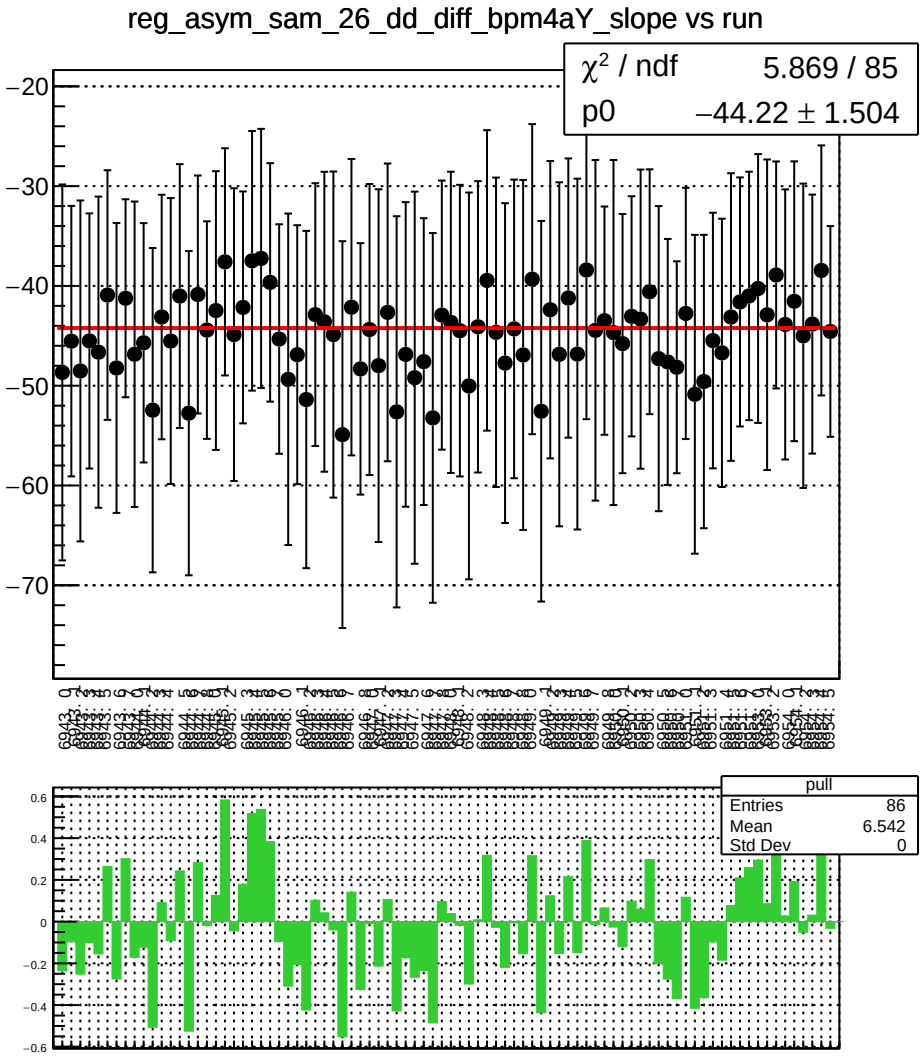

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.04 / 85
p0 −39.75 ± 0.7635
pull
Entries 86
Mean 236.3
Std Dev 0

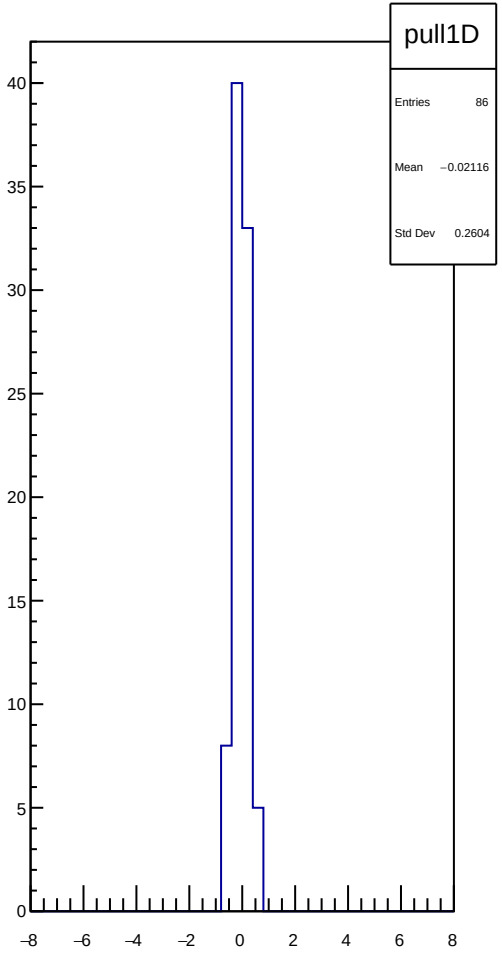

pull1D
Entries 86
Mean 0.009982
Std Dev 0.3415

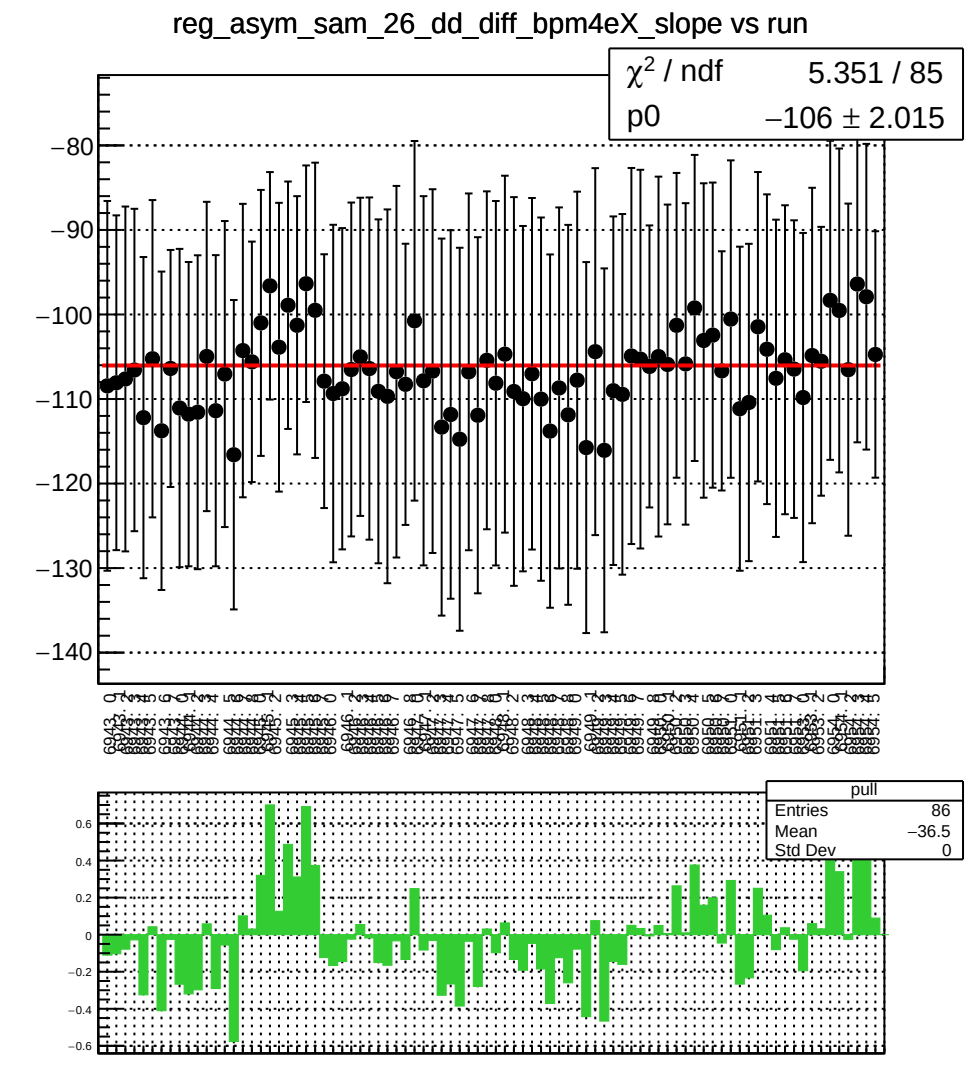

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.127 / 85
p0 0.6973 ± 0.0298
pull
Entries 86
Mean −344.3
Std Dev 0
pull1D
Entries 86
Mean −0.003214
Std Dev 0.219

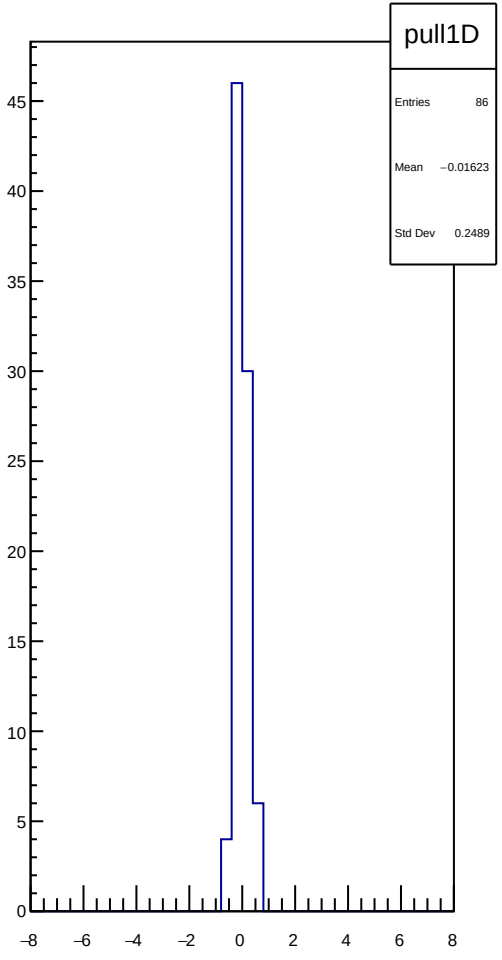

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.208 / 85
p0 −32.13 ± 2.165
pull
Entries 86
Mean −35.85
Std Dev 0

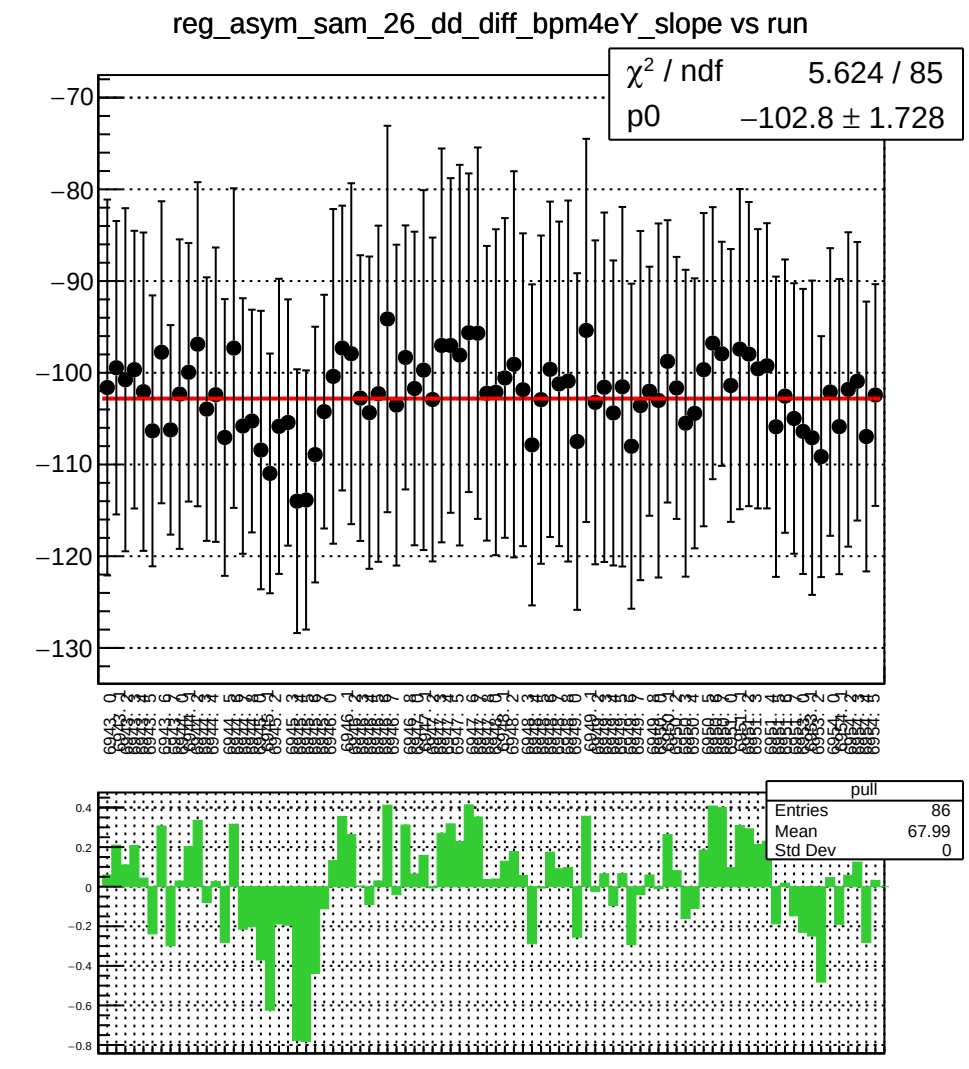

pull1D
Entries 86
Mean 0.01632
Std Dev 0.2455

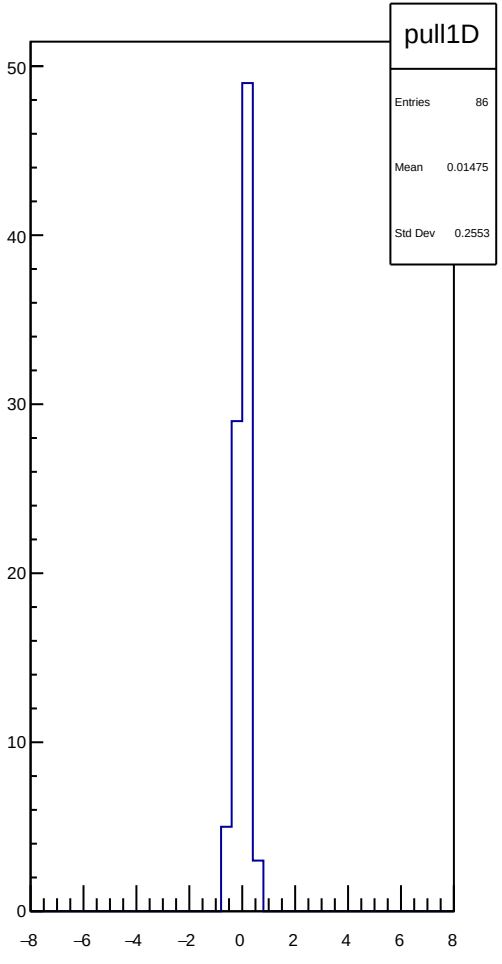

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.869 / 85
p0 −44.22 ± 1.504
pull
Entries 86
Mean 6.542
Std Dev 0

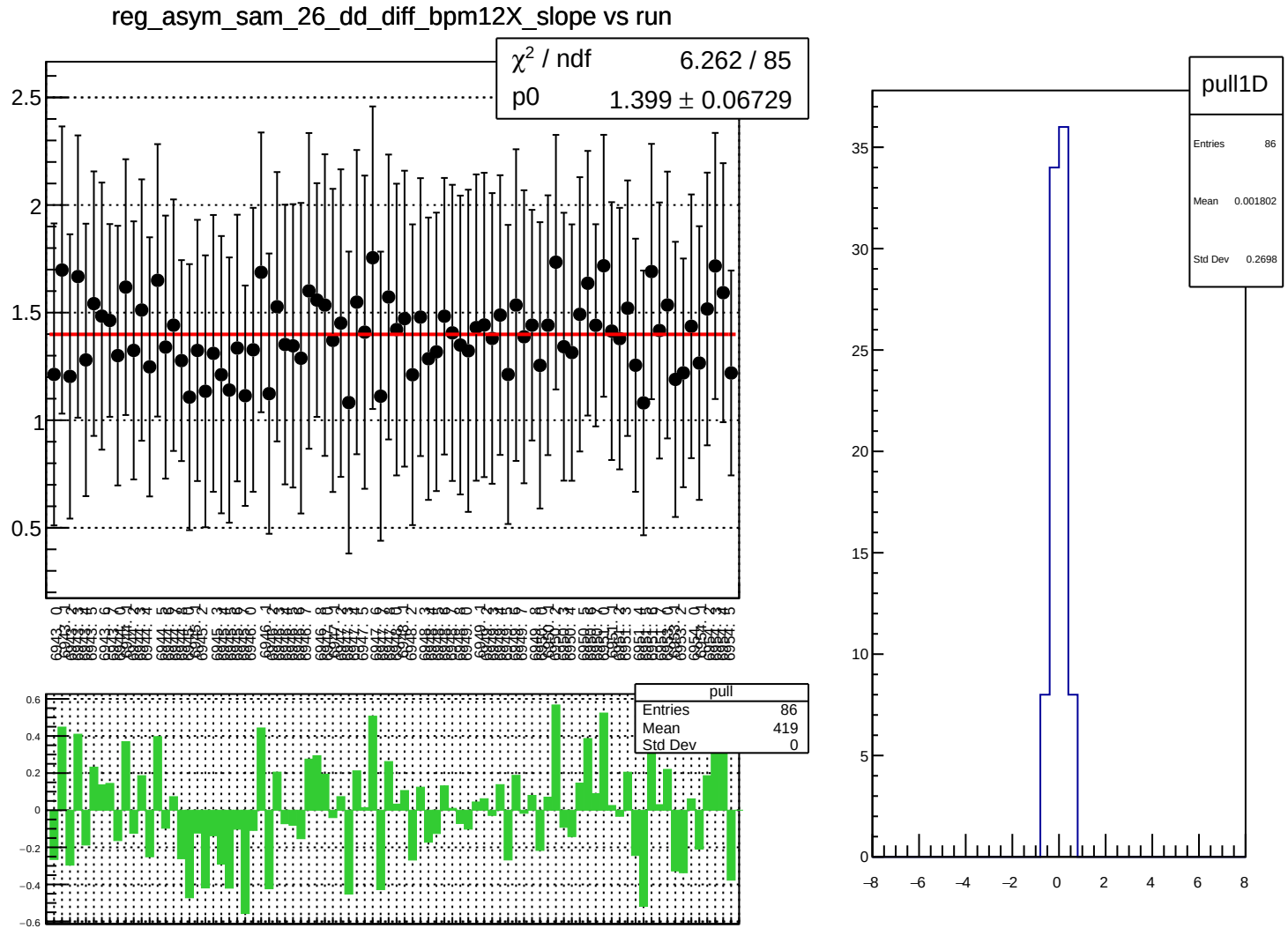

pull1D
Entries 86
Mean −0.02116
Std Dev 0.2604

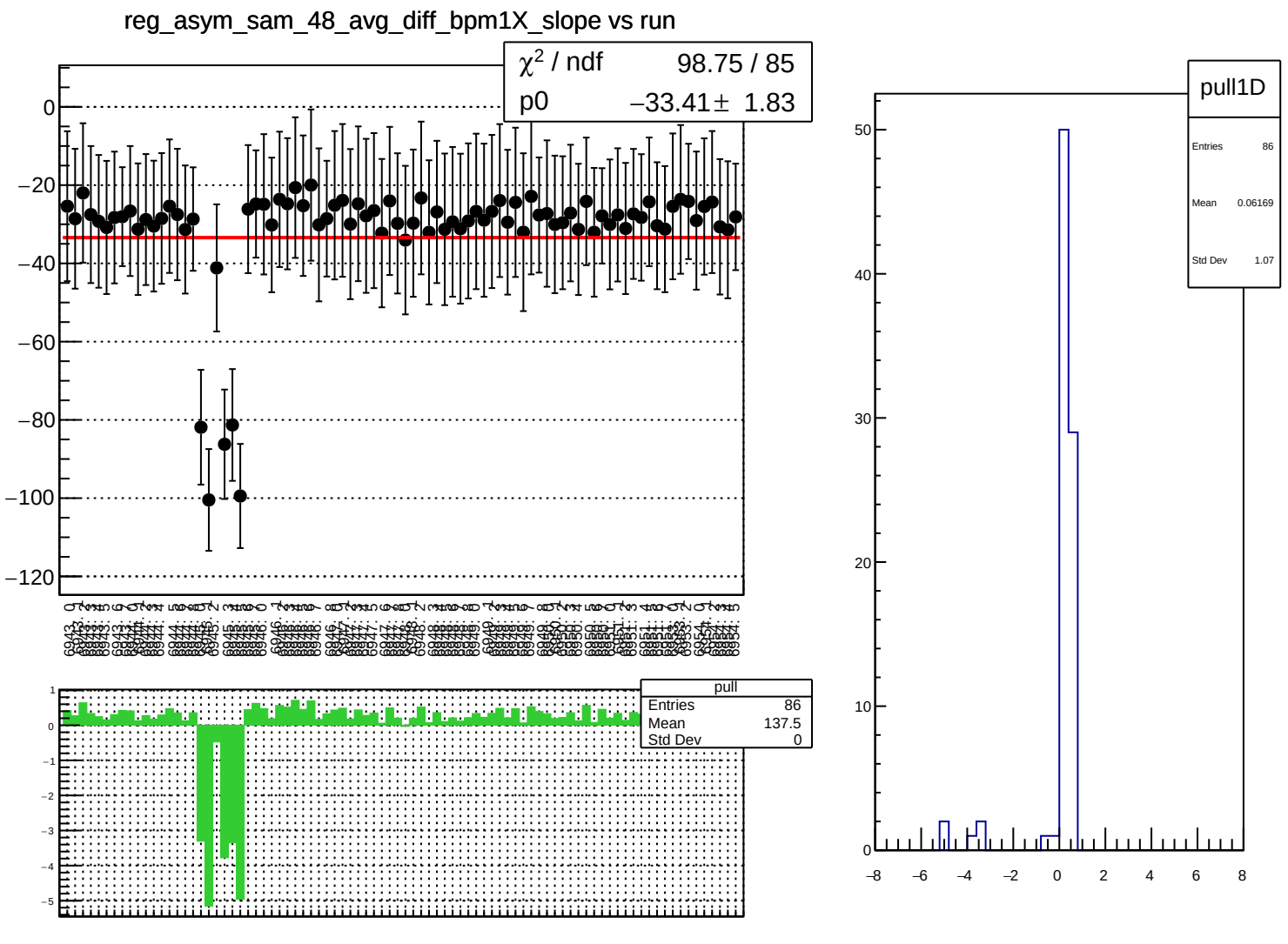

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.351 / 85
p0 −106 ± 2.015
−80
−90
−100
−110
−120
−130
−140
pull
Entries 86
Mean −36.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

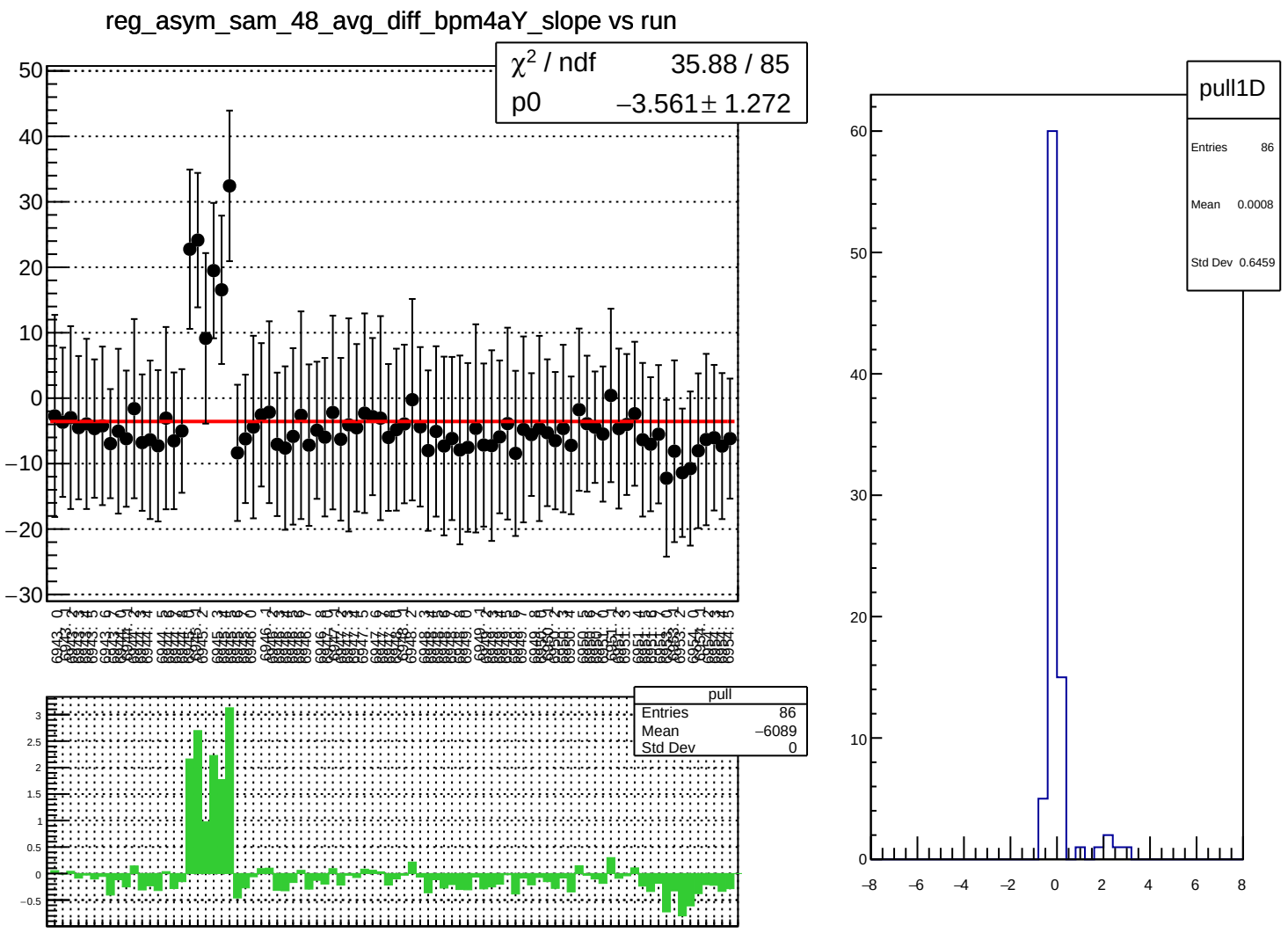

pull1D
Entries 86
Mean −0.01623
Std Dev 0.2489
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

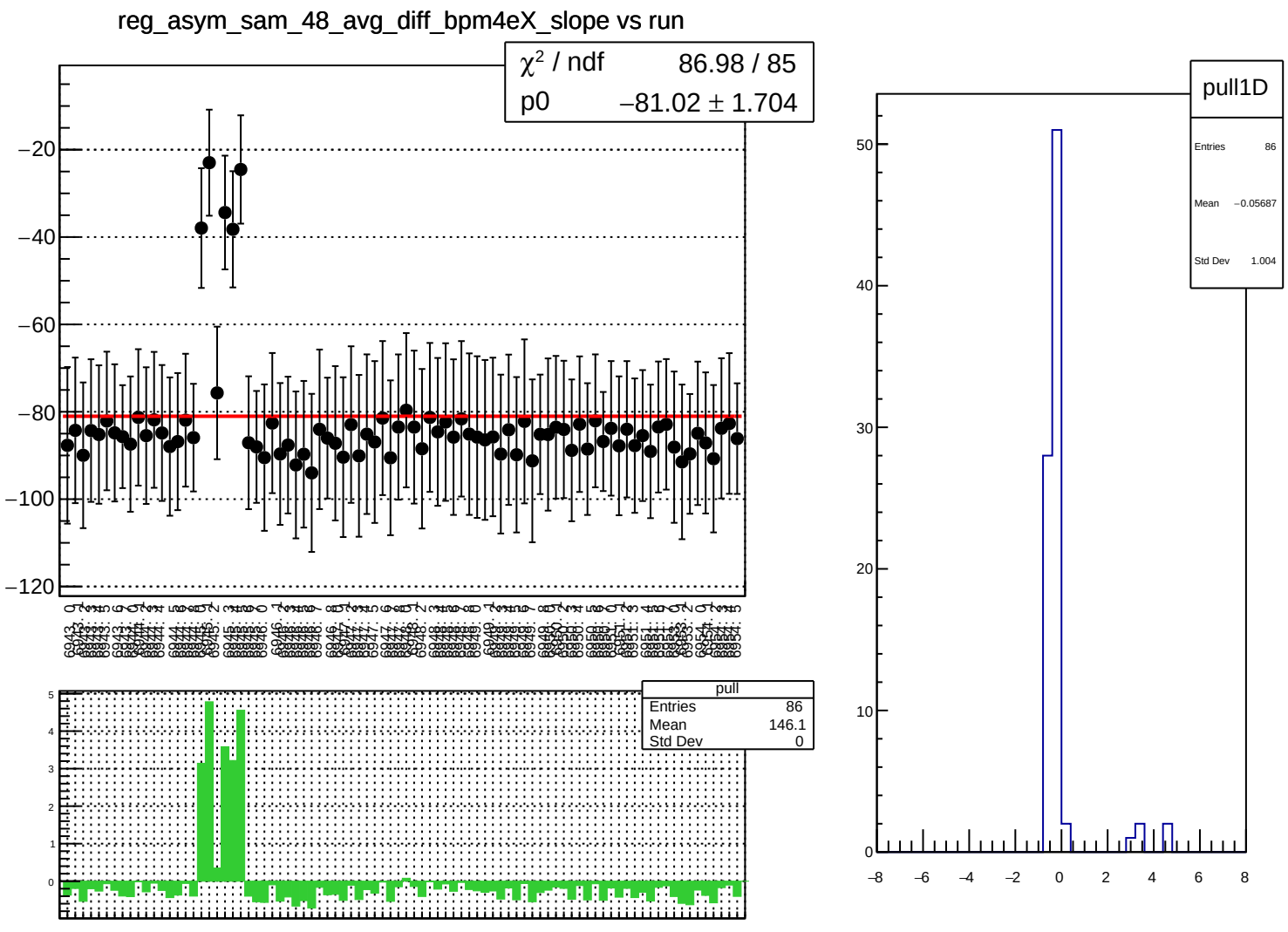

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.624 / 85
p0 −102.8 ± 1.728
pull
Entries 86
Mean 67.99
Std Dev 0

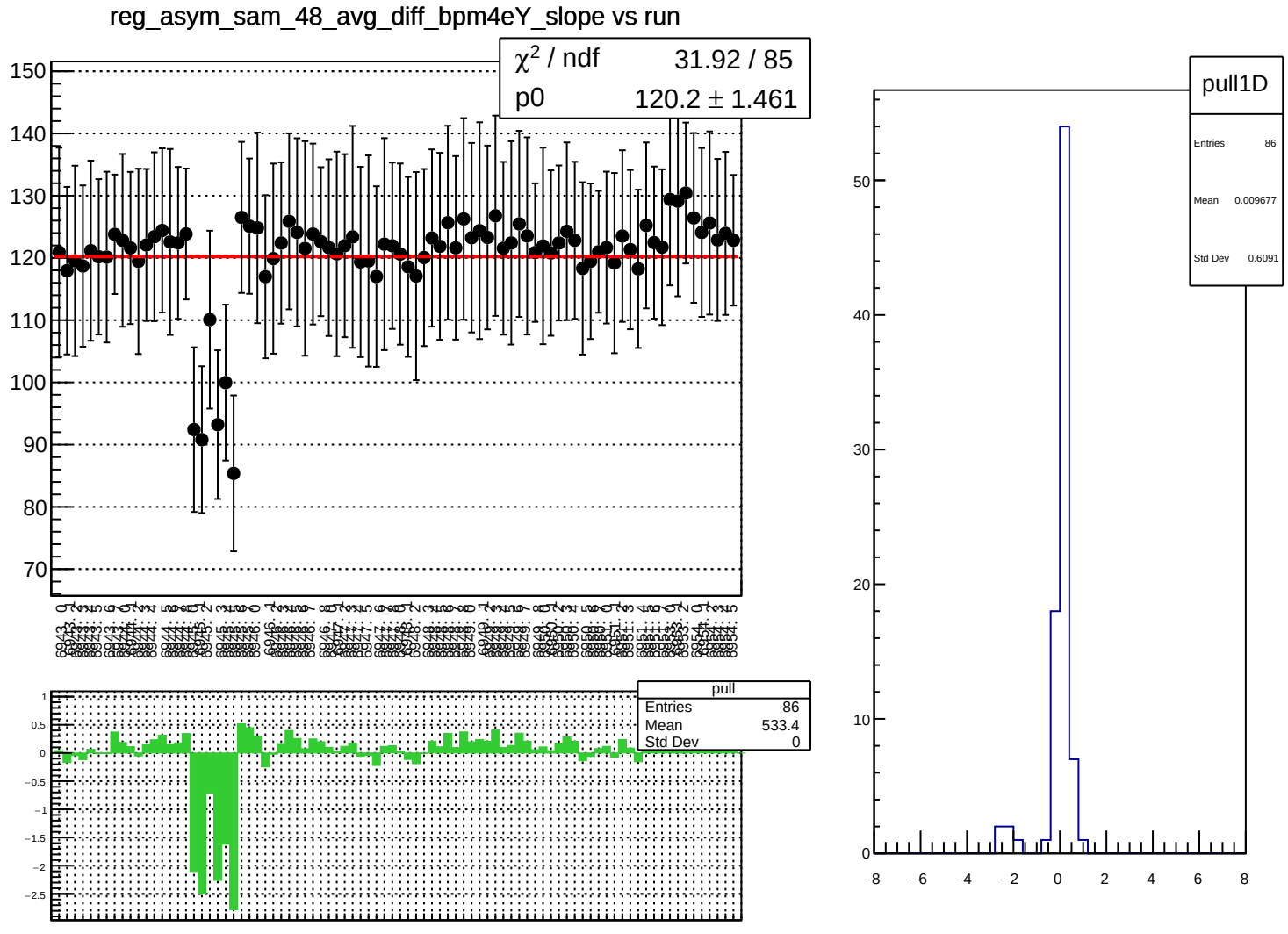

pull1D
Entries 86
Mean 0.01475
Std Dev 0.2553

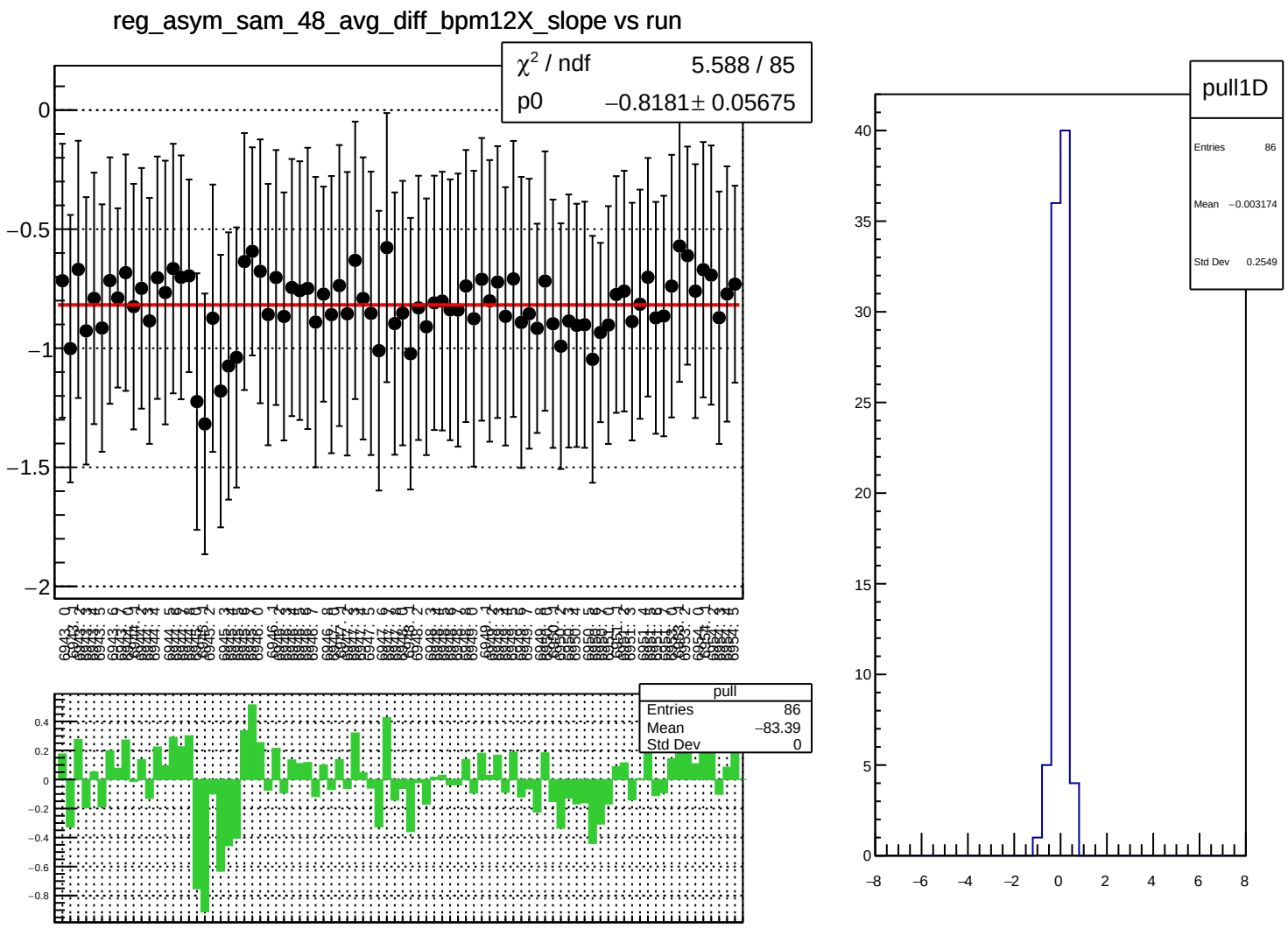

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.262 / 85
p0 1.399 ± 0.06729
pull
Entries 86
Mean 419
Std Dev 0
pull1D
Entries 86
Mean 0.001802
Std Dev 0.2698

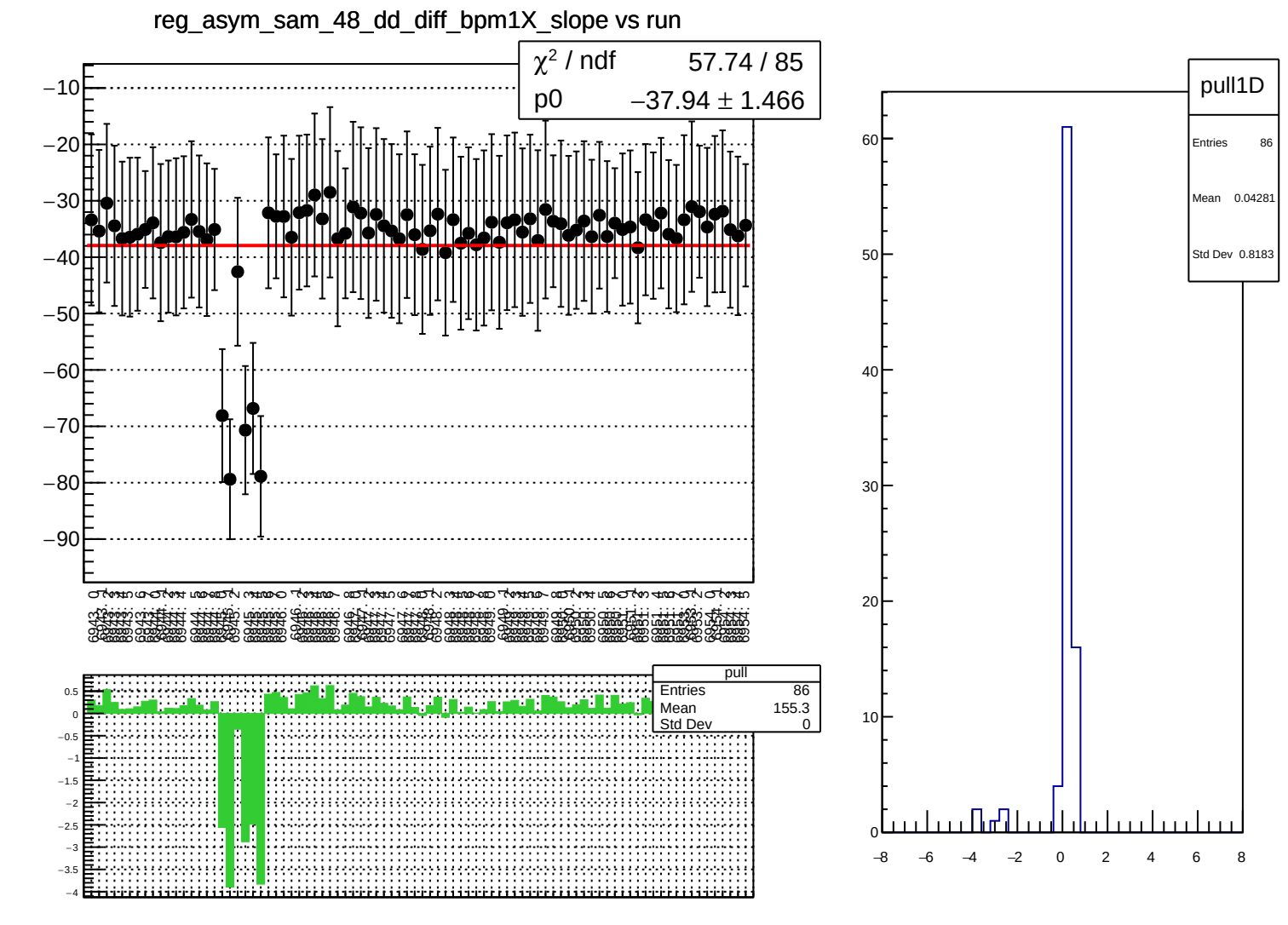

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 98.75 / 85
p0 −33.41 ± 1.83
pull
Entries 86
Mean 137.5
Std Dev 0
pull1D
Entries 86
Mean 0.06169
Std Dev 1.07

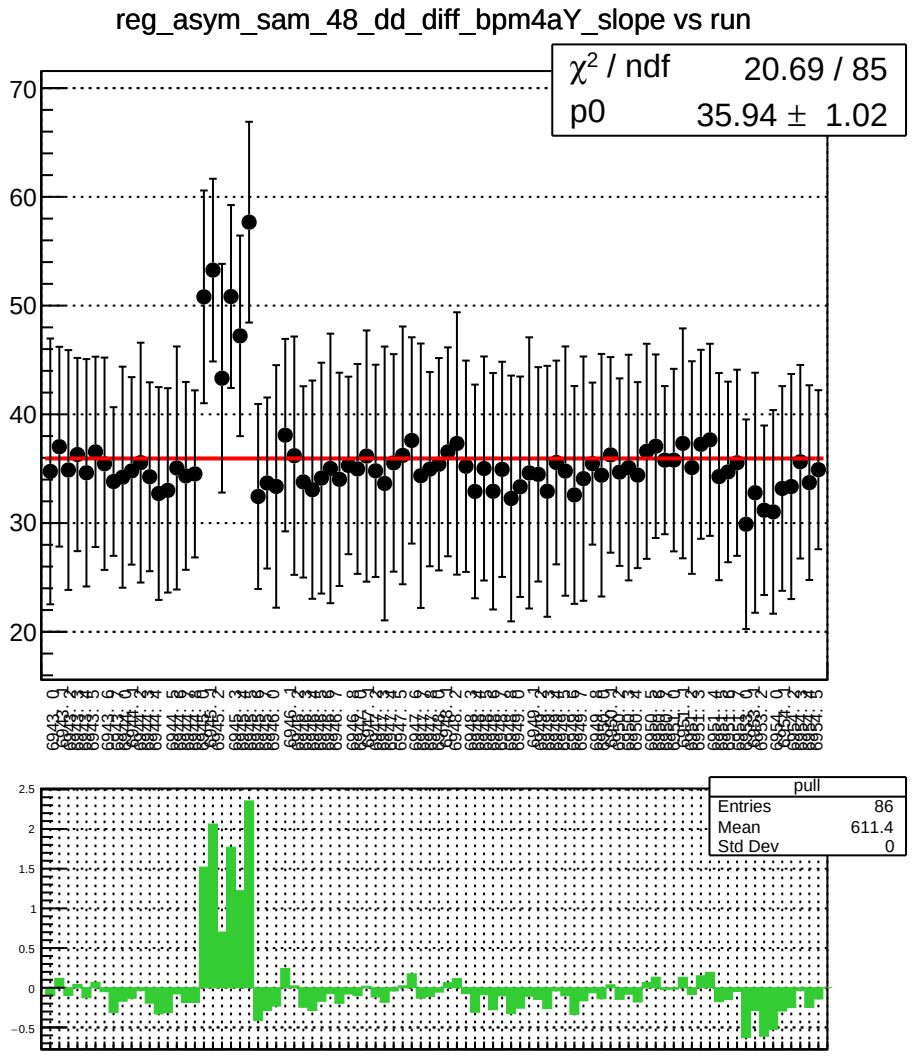

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.88 / 85
p0 −3.561 ± 1.272
pull
Entries 86
Mean −6089
Std Dev 0
pull1D
Entries 86
Mean 0.0008
Std Dev 0.6459

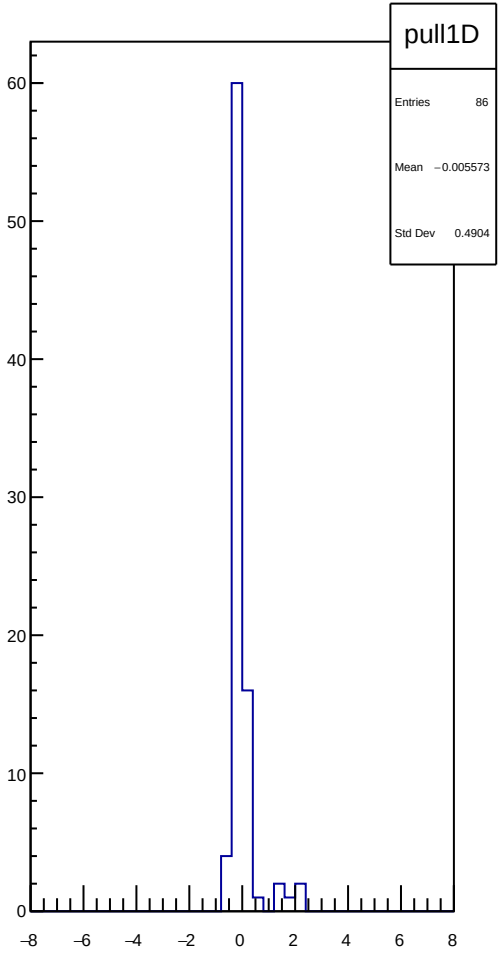

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.98 / 85
p0 −81.02 ± 1.704
pull
Entries 86
Mean 146.1
Std Dev 0
pull1D
Entries 86
Mean −0.05687
Std Dev 1.004

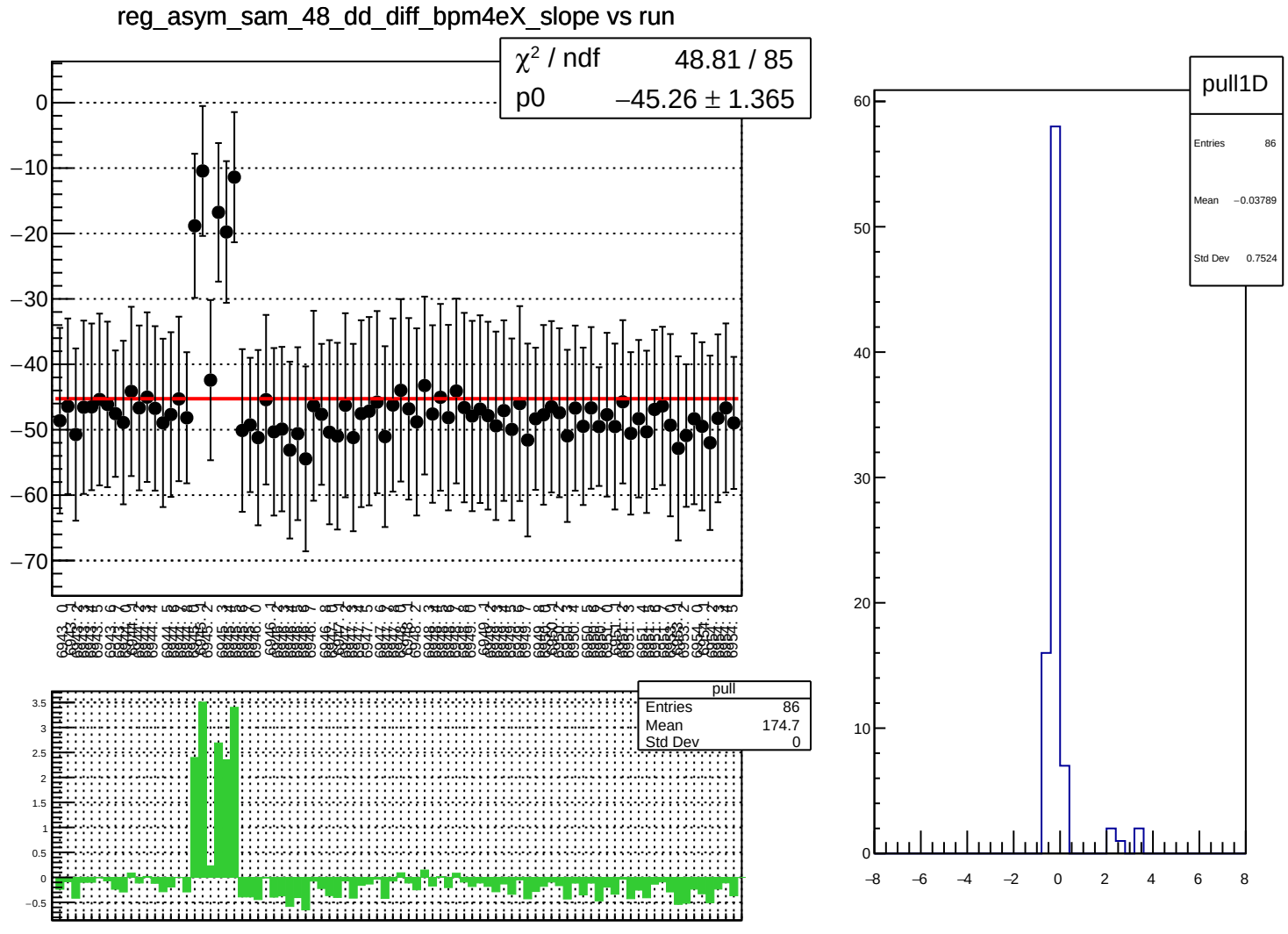

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.92 / 85
p0 120.2 ± 1.461
pull
Entries 86
Mean 533.4
Std Dev 0
pull1D
Entries 86
Mean 0.009677
Std Dev 0.6091

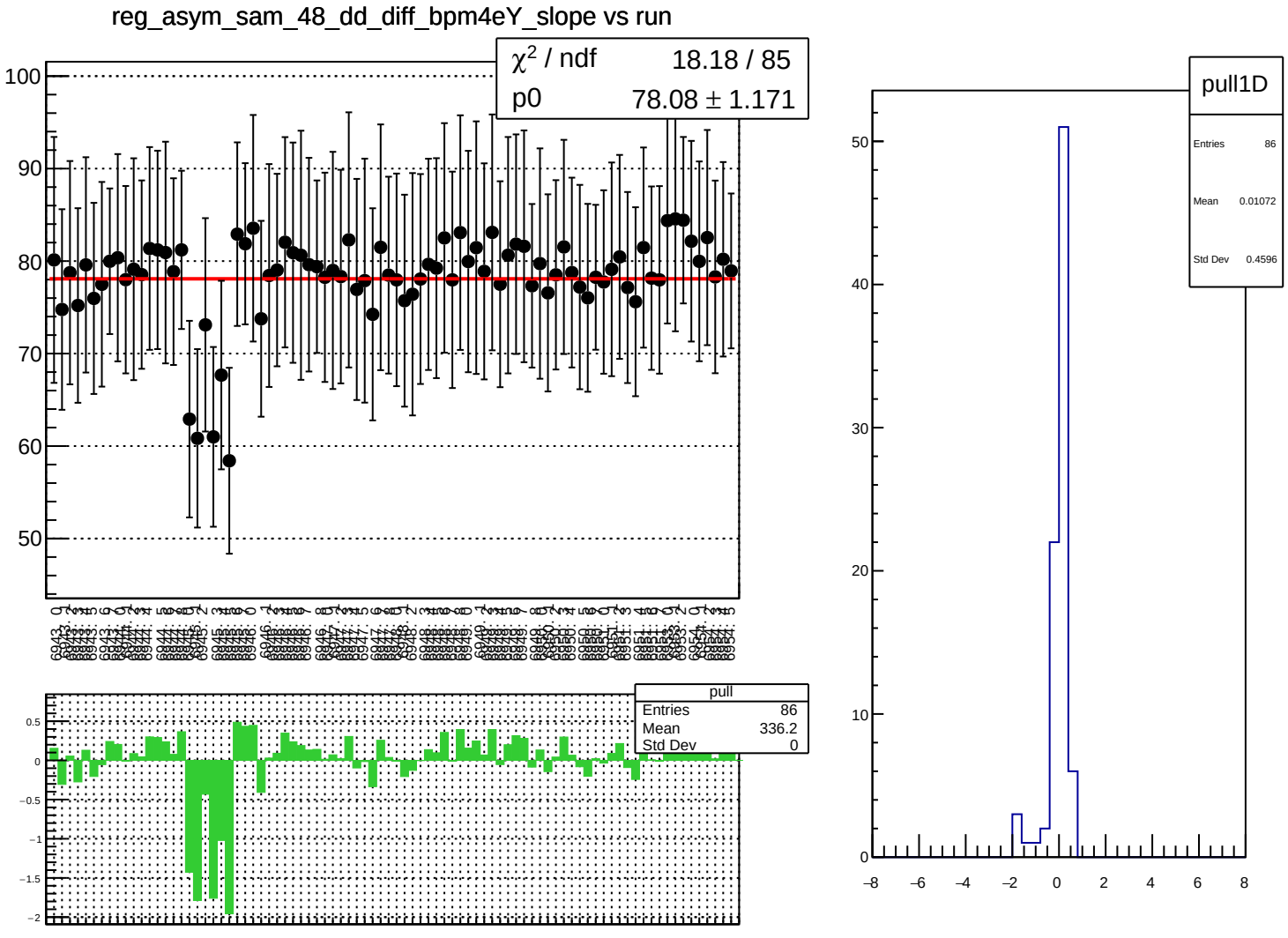

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.588 / 85
p0 −0.8181 ± 0.05675
pull
Entries 86
Mean −83.39
Std Dev 0
pull1D
Entries 86
Mean −0.003174
Std Dev 0.2549

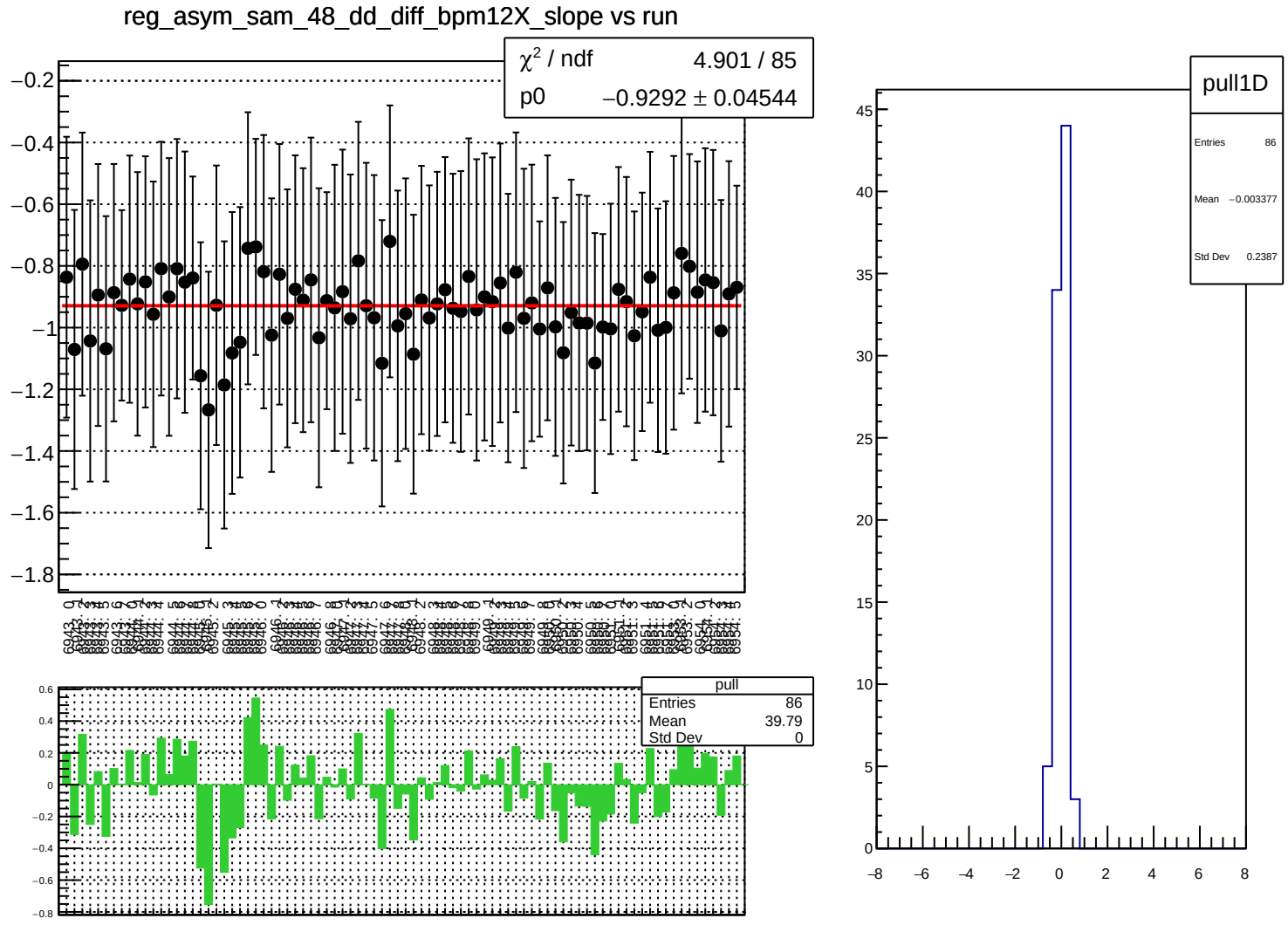

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 57.74 / 85
p0 −37.94 ± 1.466
pull
Entries 86
Mean 155.3
Std Dev 0
pull1D
Entries 86
Mean 0.04281
Std Dev 0.8183

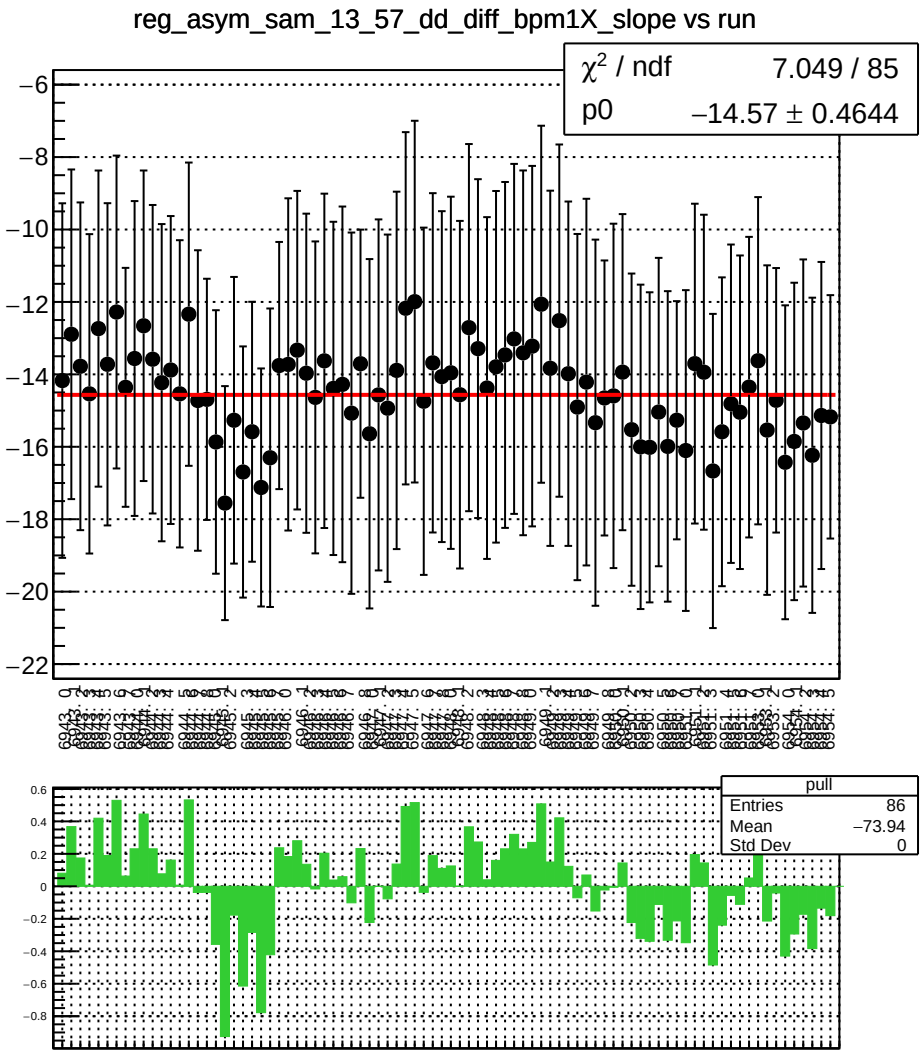

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.69 / 85
p0 35.94 ± 1.02
pull
Entries 86
Mean 611.4
Std Dev 0

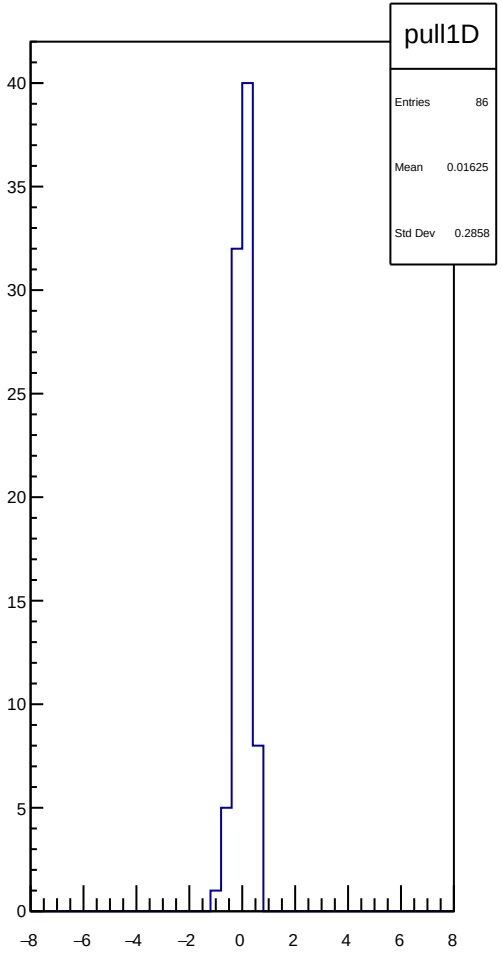

pull1D
Entries 86
Mean −0.005573
Std Dev 0.4904

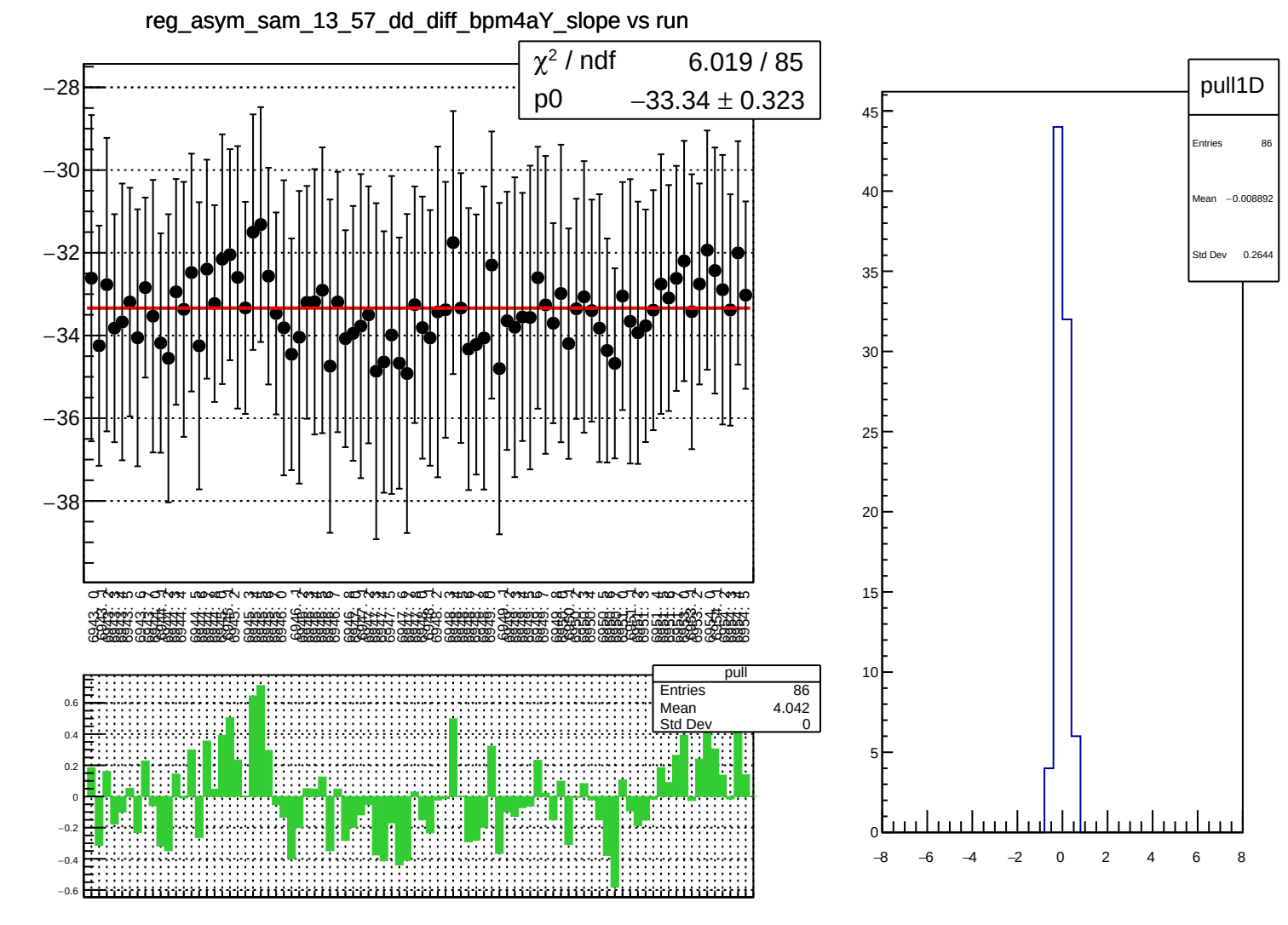

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.81 / 85
p0 −45.26 ± 1.365
pull
Entries 86
Mean 174.7
Std Dev 0
pull1D
Entries 86
Mean −0.03789
Std Dev 0.7524

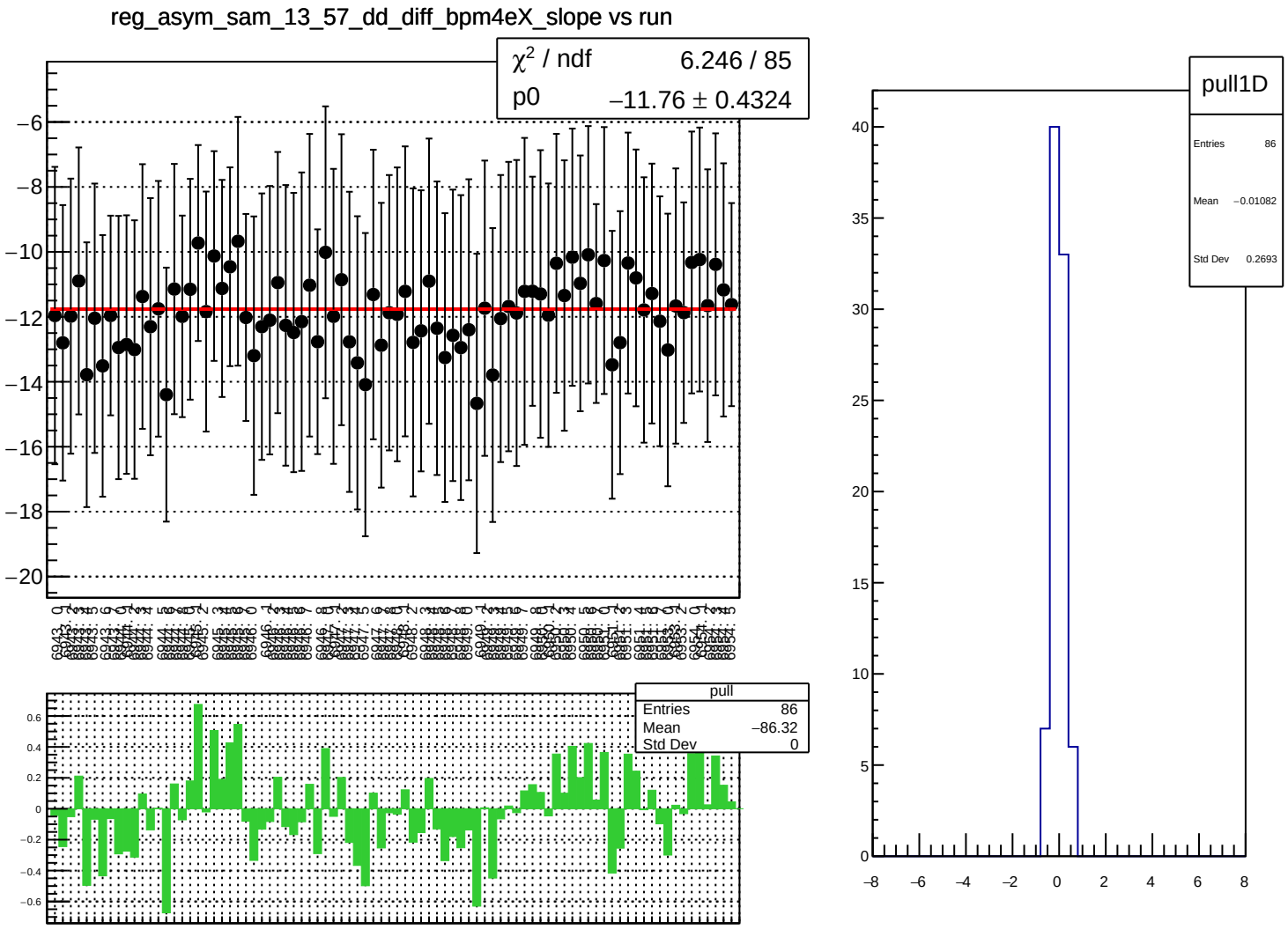

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.18 / 85
p0 78.08 ± 1.171
pull
Entries 86
Mean 336.2
Std Dev 0
pull1D
Entries 86
Mean 0.01072
Std Dev 0.4596

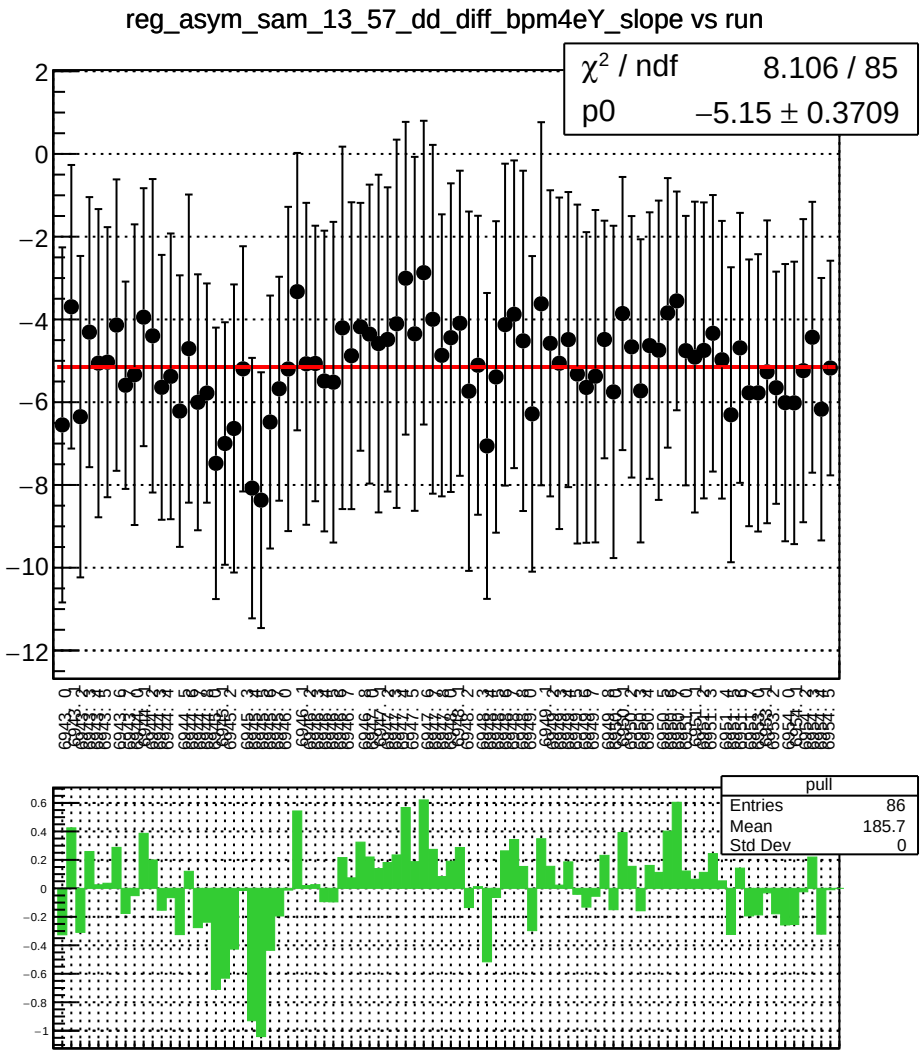

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.901 / 85
p0 −0.9292 ± 0.04544
pull
Entries 86
Mean 39.79
Std Dev 0
pull1D
Entries 86
Mean −0.003377
Std Dev 0.2387

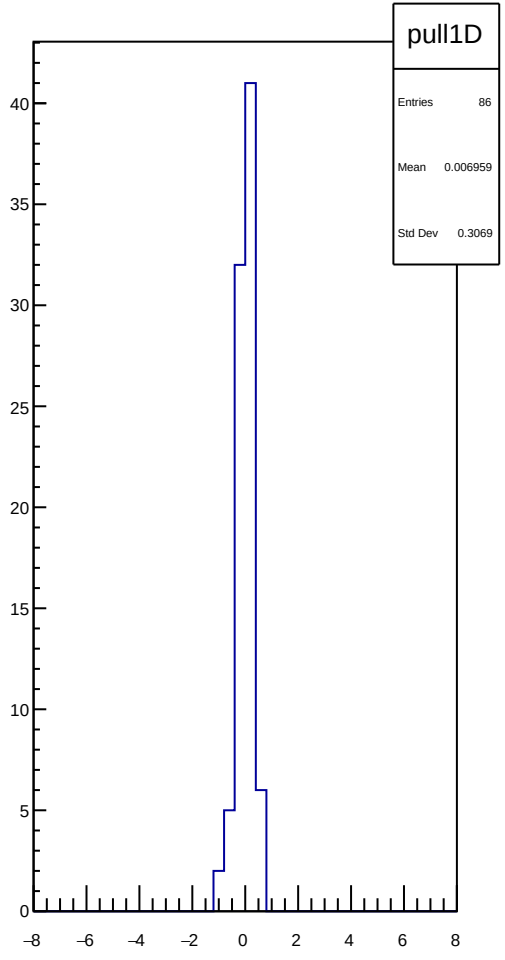

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 7.049 / 85
p0 −14.57 ± 0.4644
pull
Entries 86
Mean −73.94
Std Dev 0

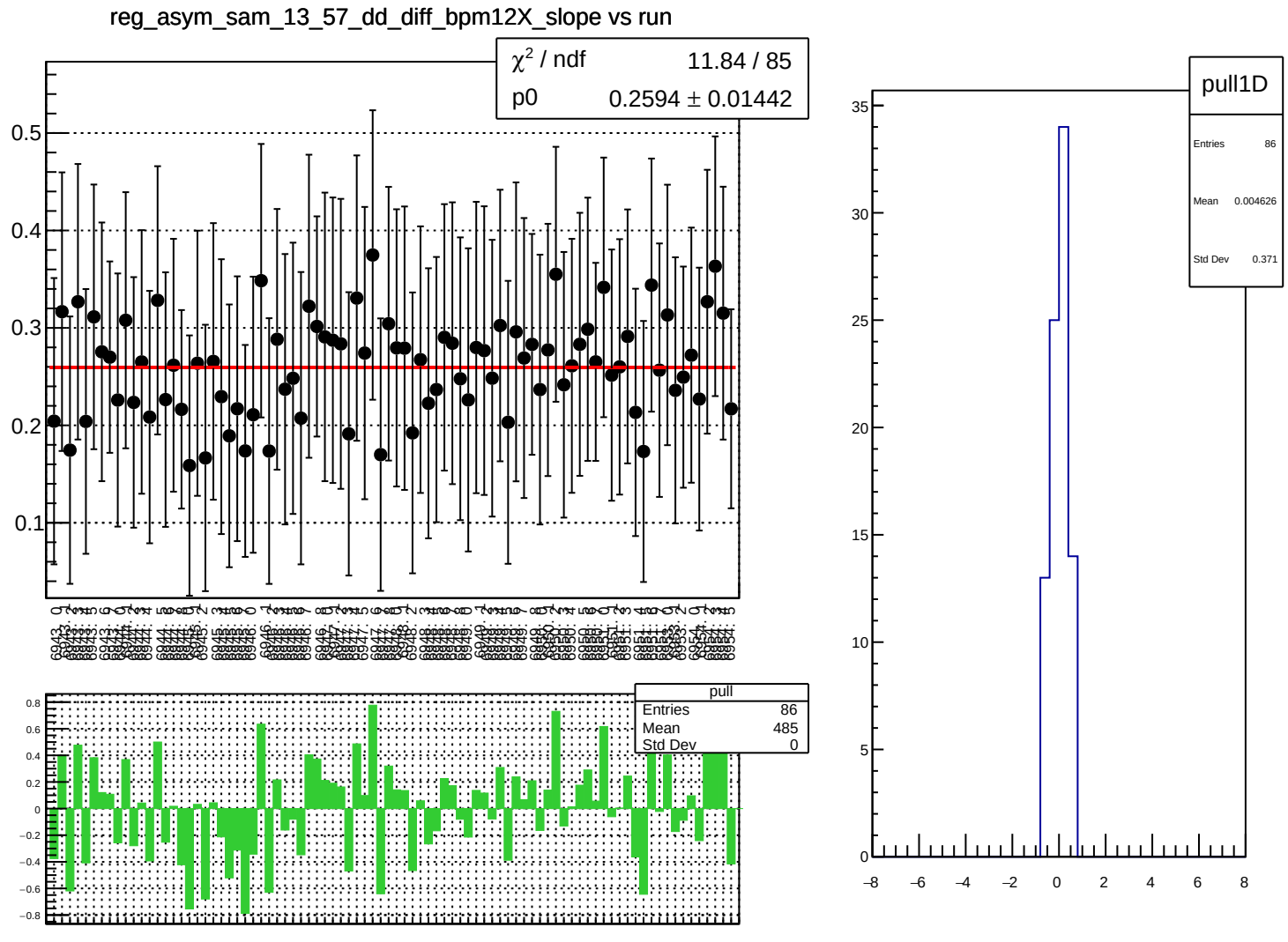

pull1D
Entries 86
Mean 0.01625
Std Dev 0.2858

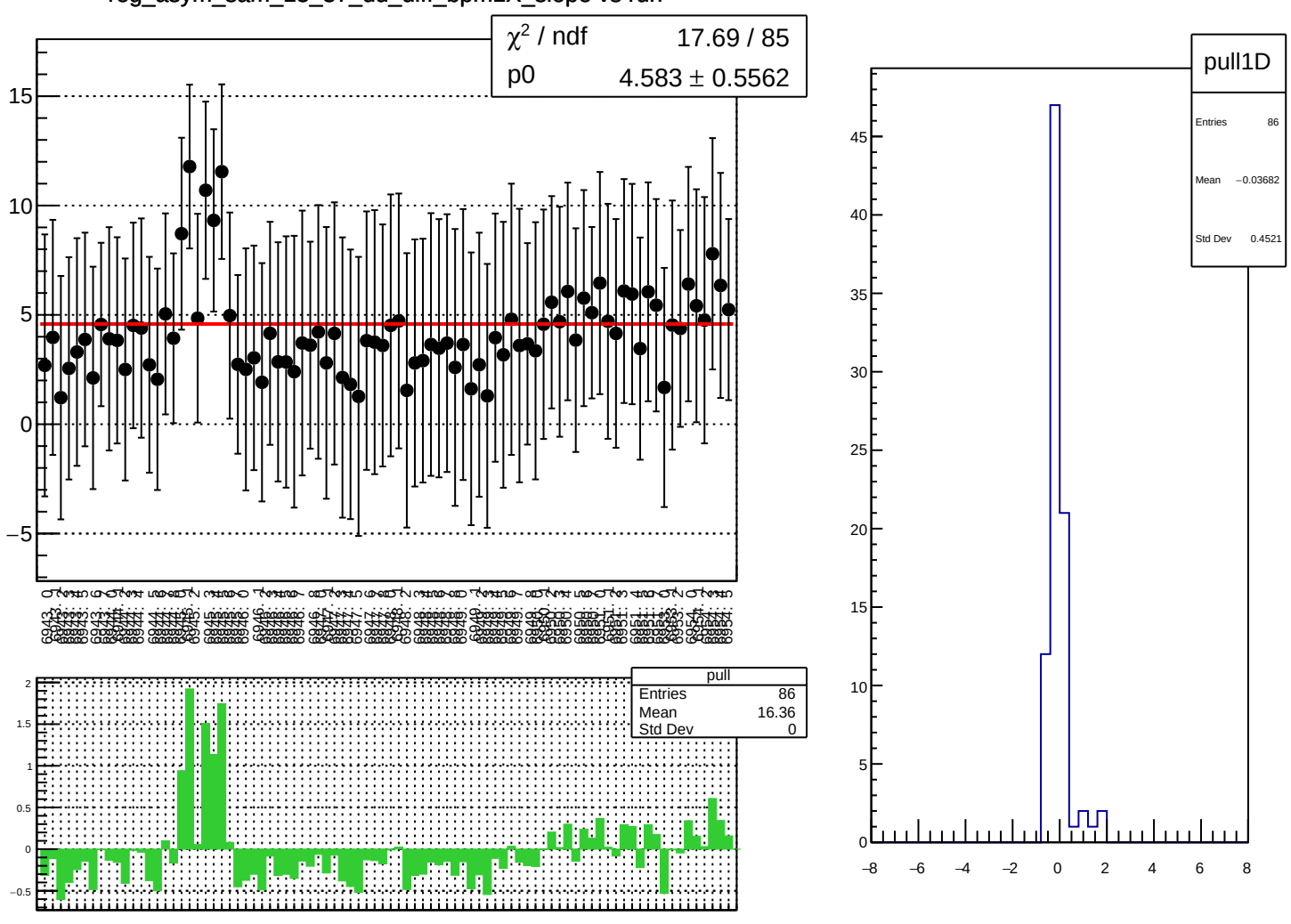

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.019 / 85
p0 −33.34 ± 0.323
pull
Entries 86
Mean 4.042
Std Dev 0
pull1D
Entries 86
Mean −0.008892
Std Dev 0.2644

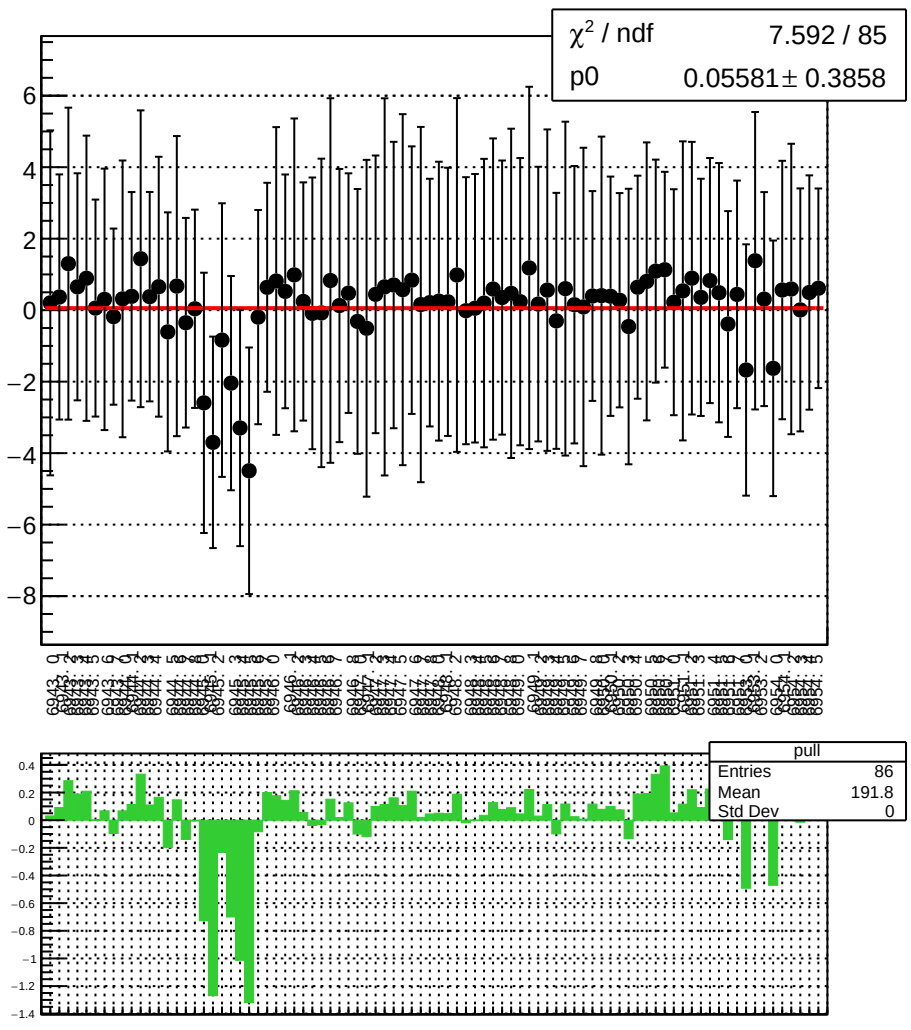

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.246 / 85
p0 −11.76 ± 0.4324
pull
Entries 86
Mean −86.32
Std Dev 0
pull1D
Entries 86
Mean −0.01082
Std Dev 0.2693

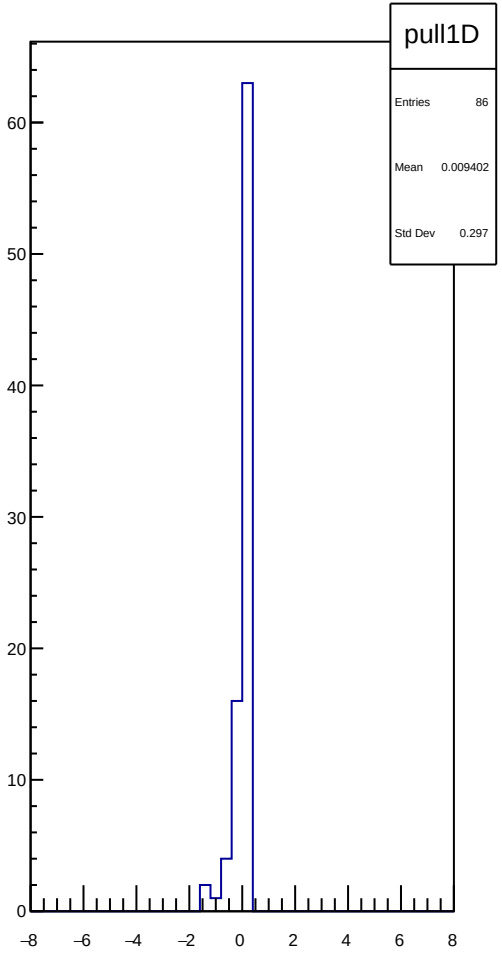

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.106 / 85
p0 −5.15 ± 0.3709
pull
Entries 86
Mean 185.7
Std Dev 0

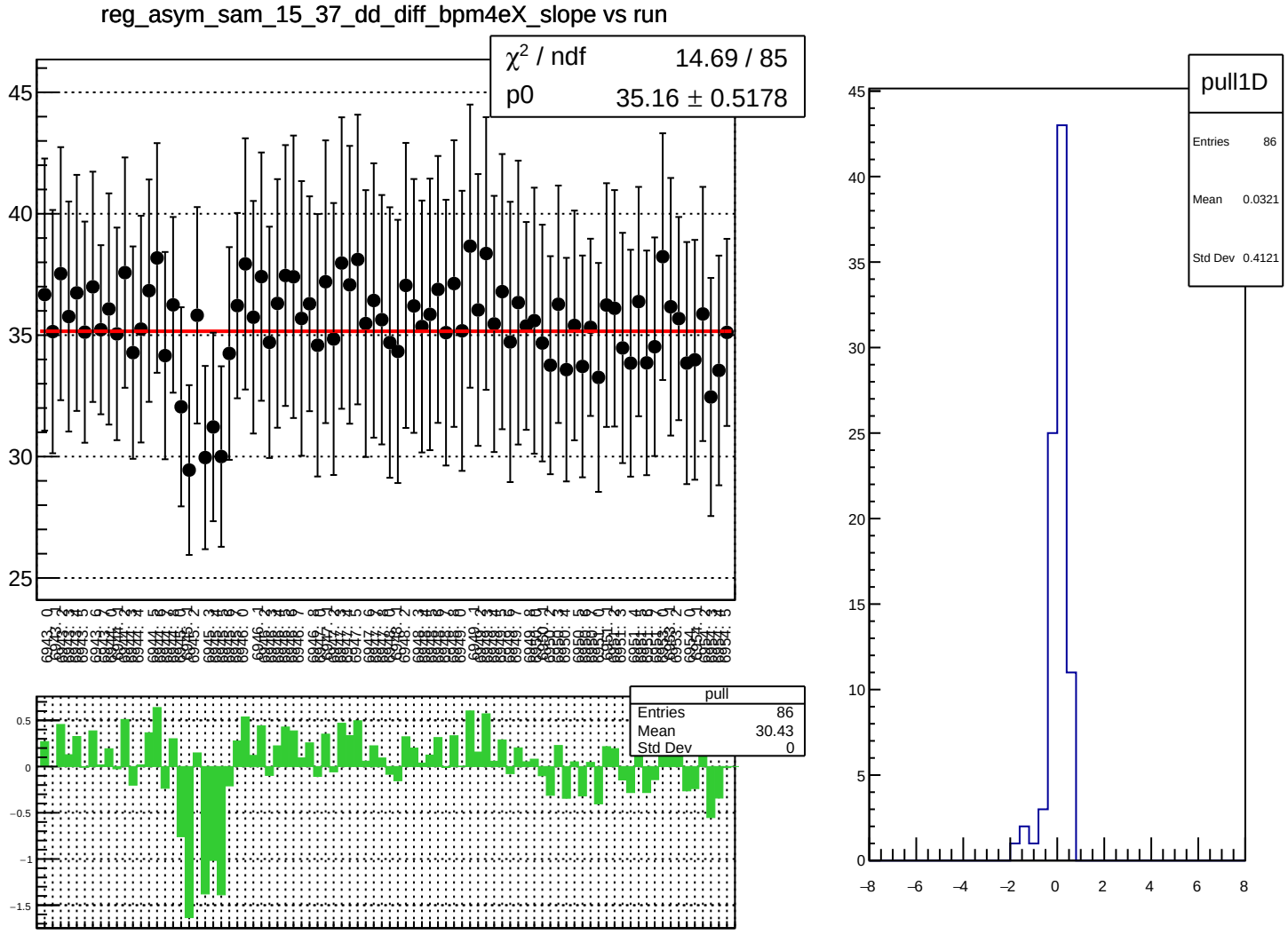

pull1D
Entries 86
Mean 0.006959
Std Dev 0.3069

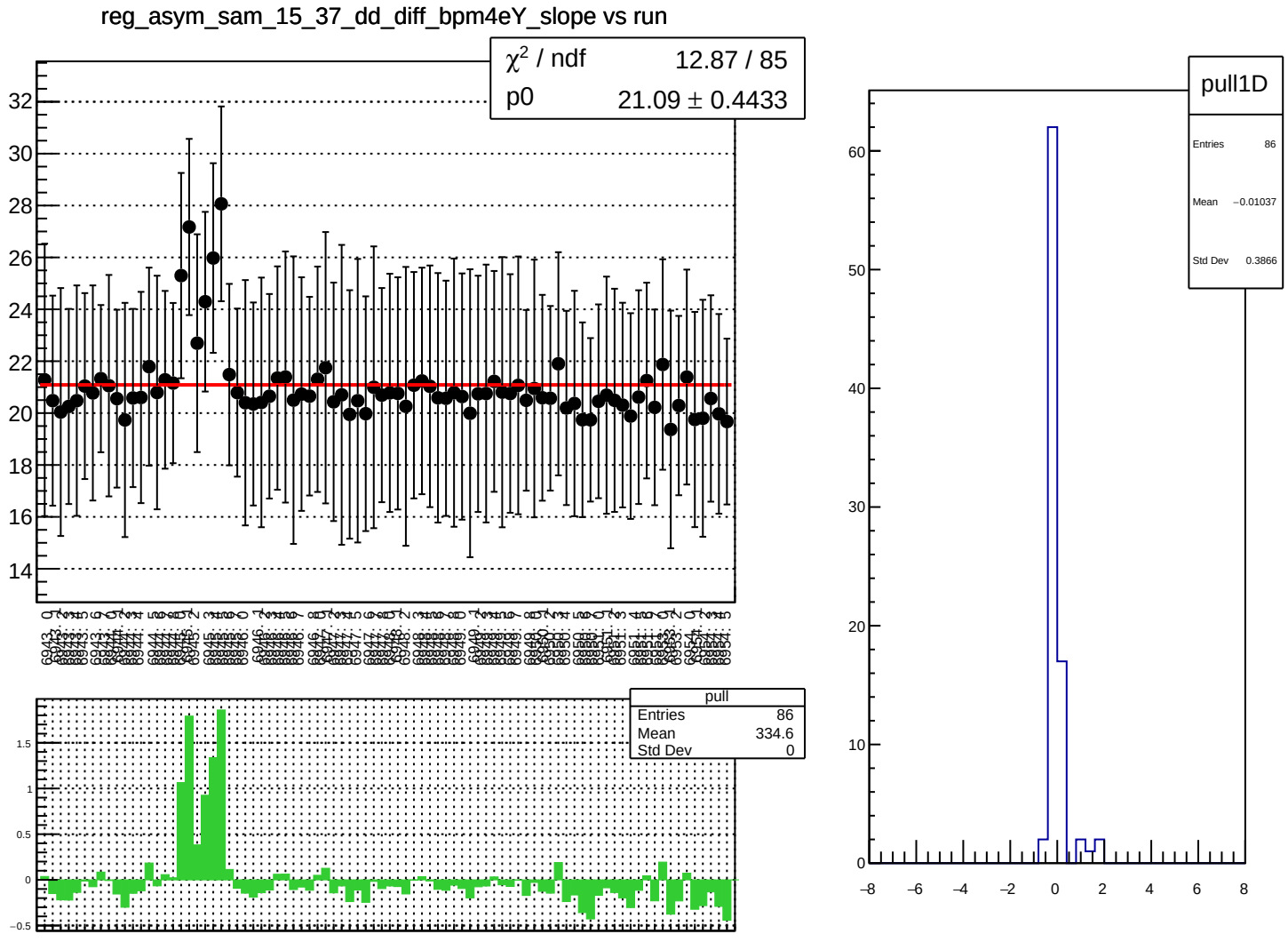

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 11.84 / 85
p0 0.2594 ± 0.01442
pull
Entries 86
Mean 485
Std Dev 0
pull1D
Entries 86
Mean 0.004626
Std Dev 0.371

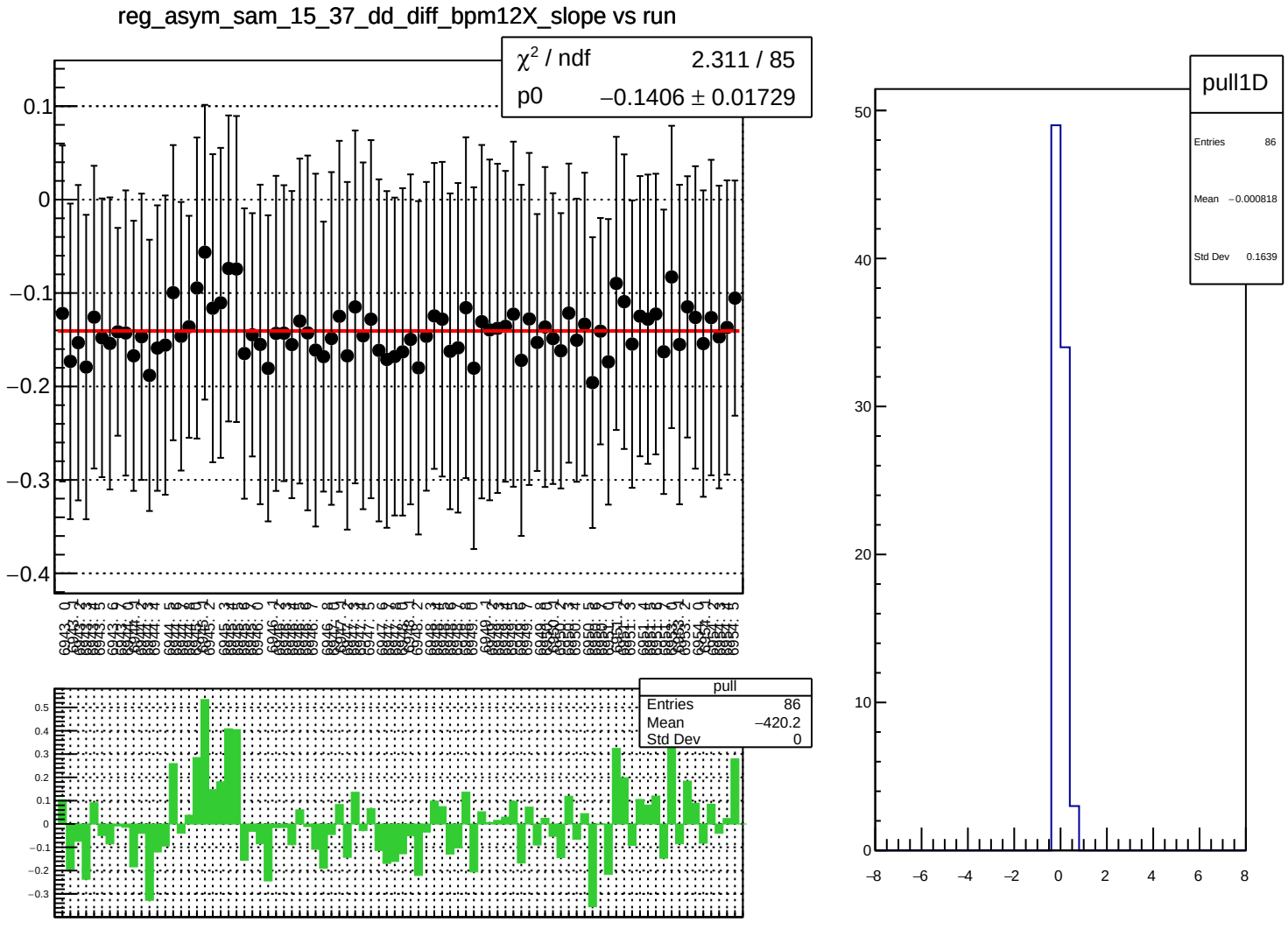

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 17.69 / 85
p0 4.583 ± 0.5562
pull
Entries 86
Mean 16.36
Std Dev 0
pull1D
Entries 86
Mean −0.03682
Std Dev 0.4521

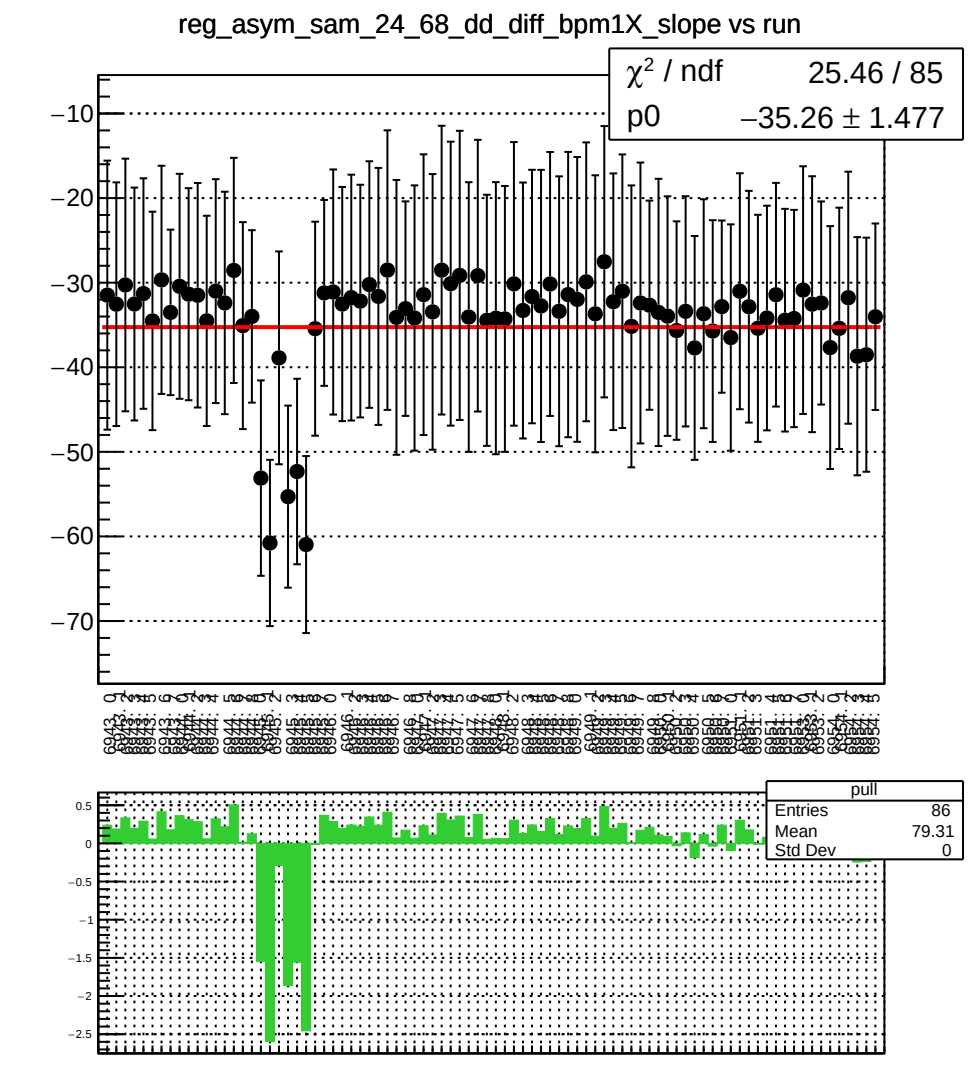

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.592 / 85
p0 0.05581 ± 0.3858
pull
Entries 86
Mean 191.8
Std Dev 0

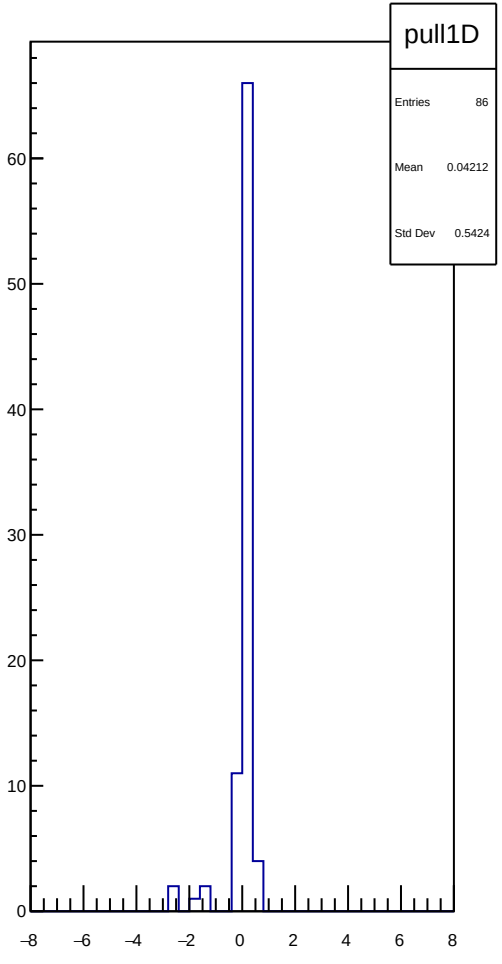

pull1D
Entries 86
Mean 0.009402
Std Dev 0.297

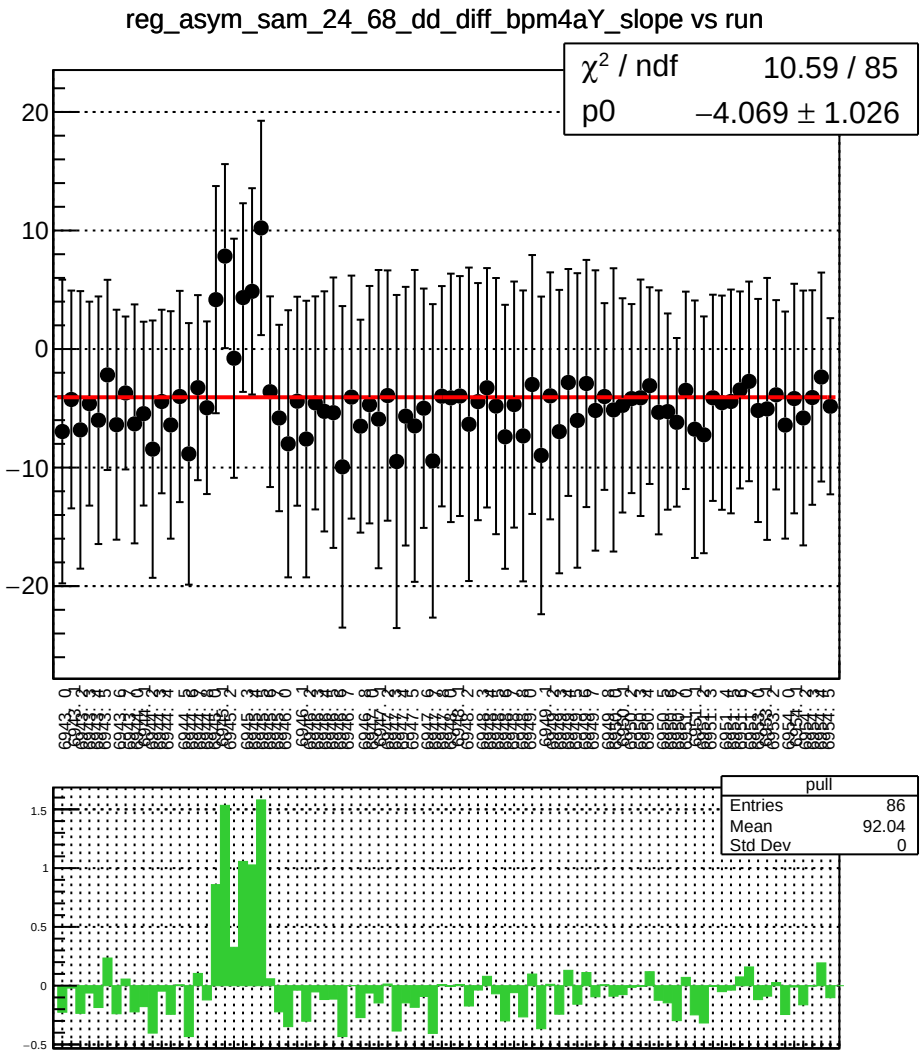

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.69 / 85
p0 35.16 ± 0.5178
pull
Entries 86
Mean 30.43
Std Dev 0
pull1D
Entries 86
Mean 0.0321
Std Dev 0.4121

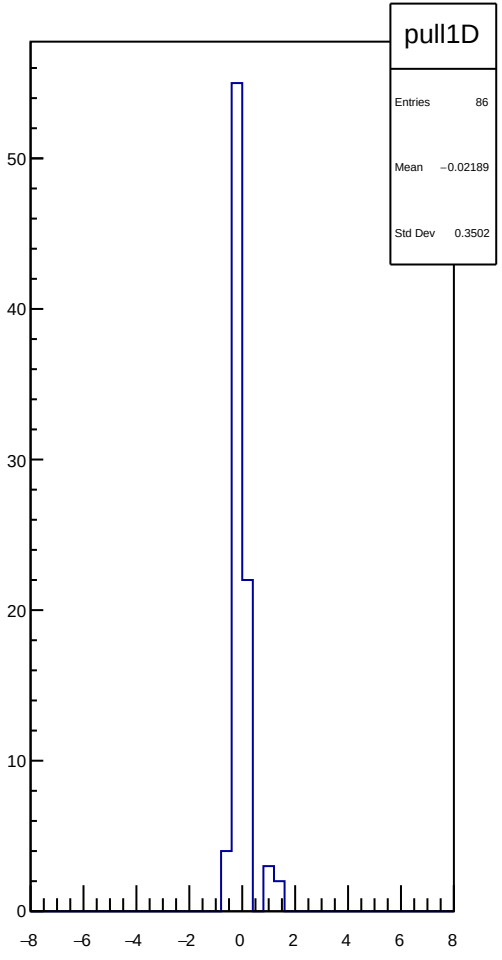

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.87 / 85
p0 21.09 ± 0.4433
pull
Entries 86
Mean 334.6
Std Dev 0
pull1D
Entries 86
Mean −0.01037
Std Dev 0.3866

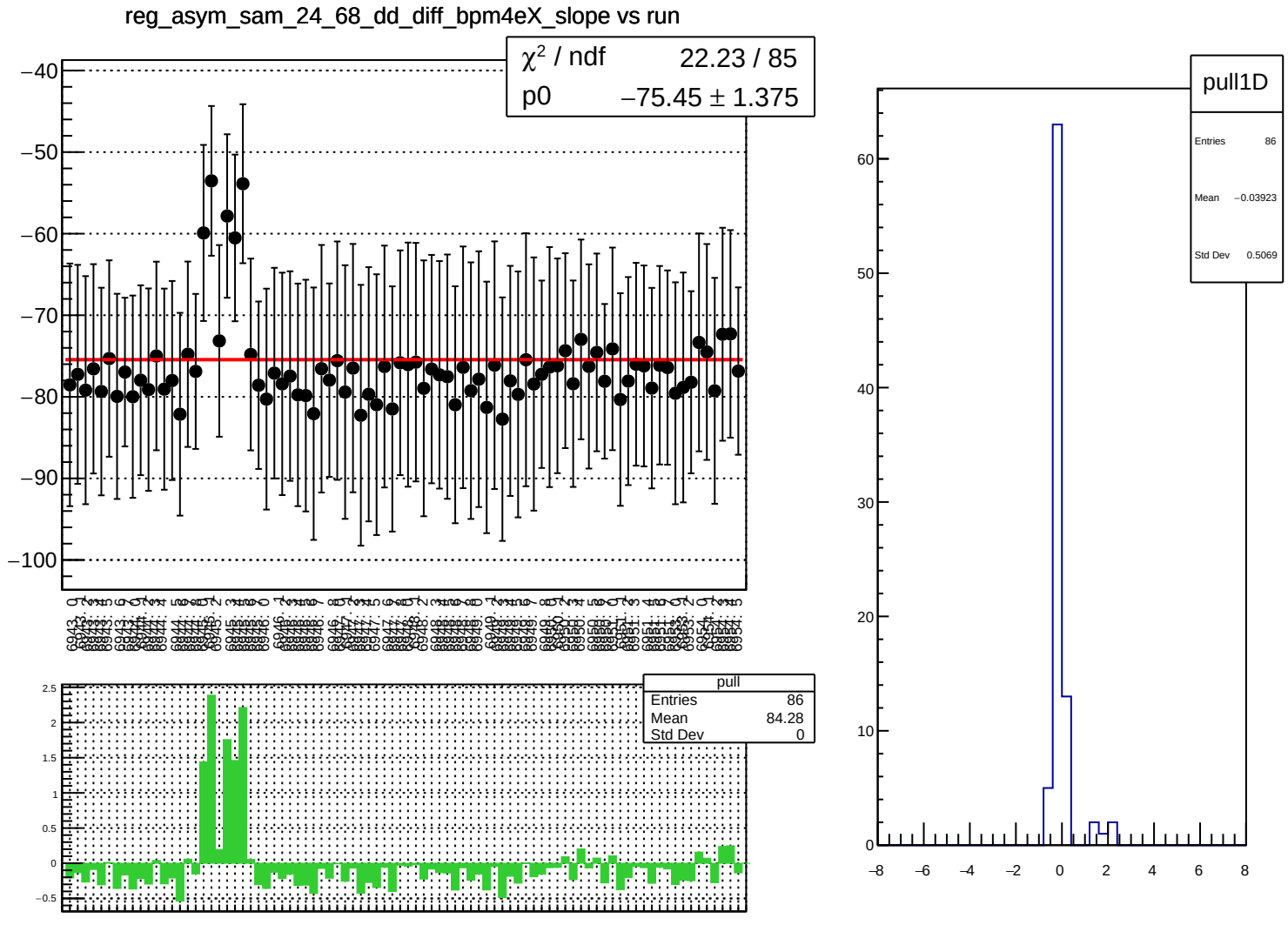

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.311 / 85
p0 −0.1406 ± 0.01729
pull
Entries 86
Mean −420.2
Std Dev 0
pull1D
Entries 86
Mean −0.000818
Std Dev 0.1639

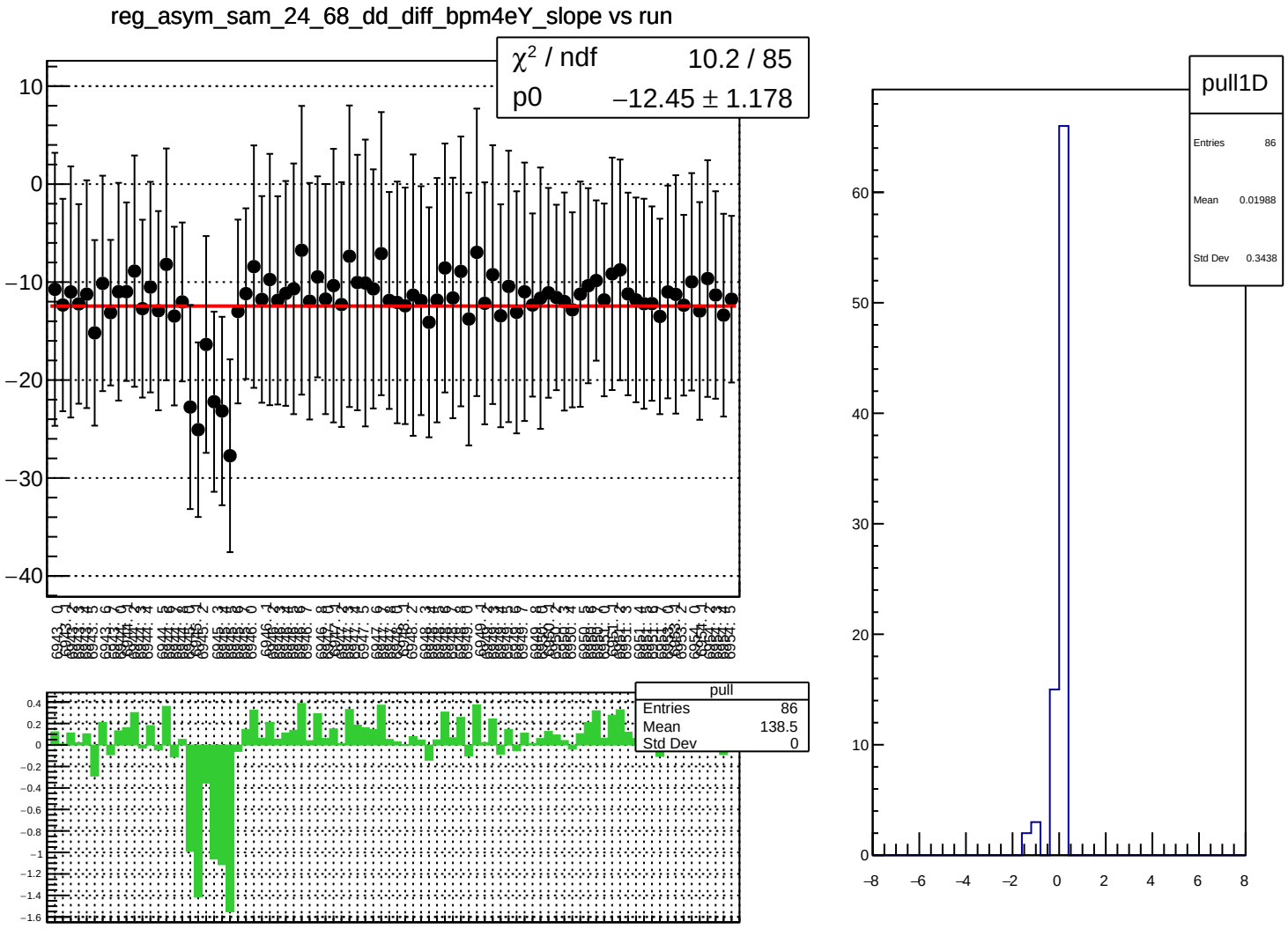

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 25.46 / 85
p0 −35.26 ± 1.477
pull
Entries 86
Mean 79.31
Std Dev 0

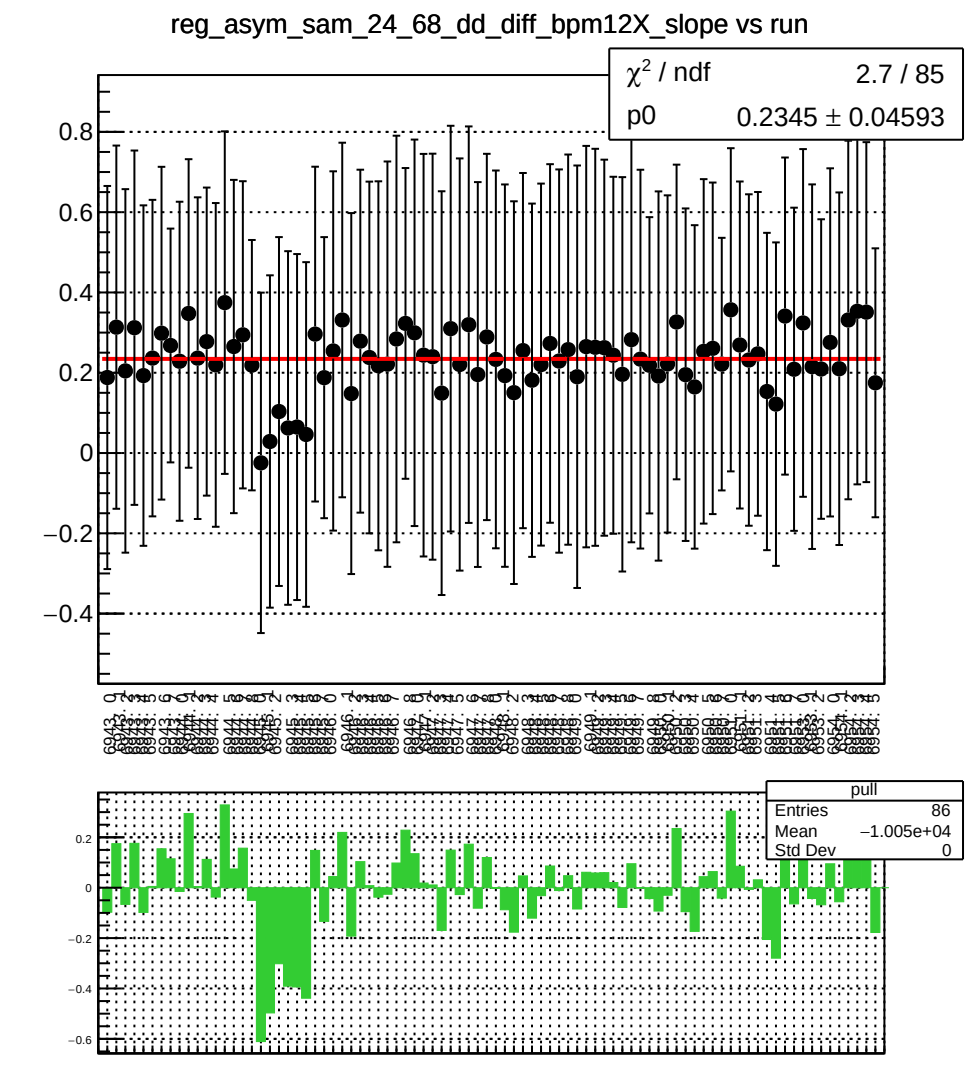

pull1D
Entries 86
Mean 0.04212
Std Dev 0.5424

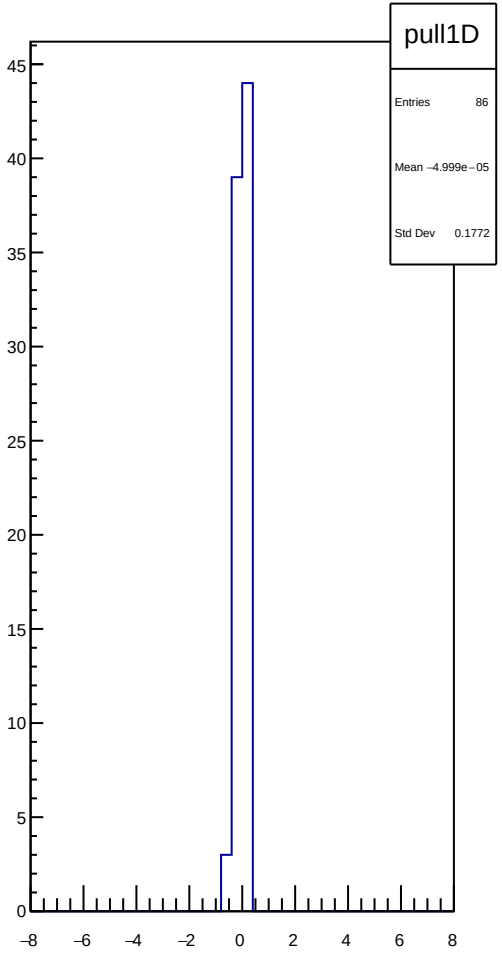

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.59 / 85
p0 −4.069 ± 1.026
pull
Entries 86
Mean 92.04
Std Dev 0

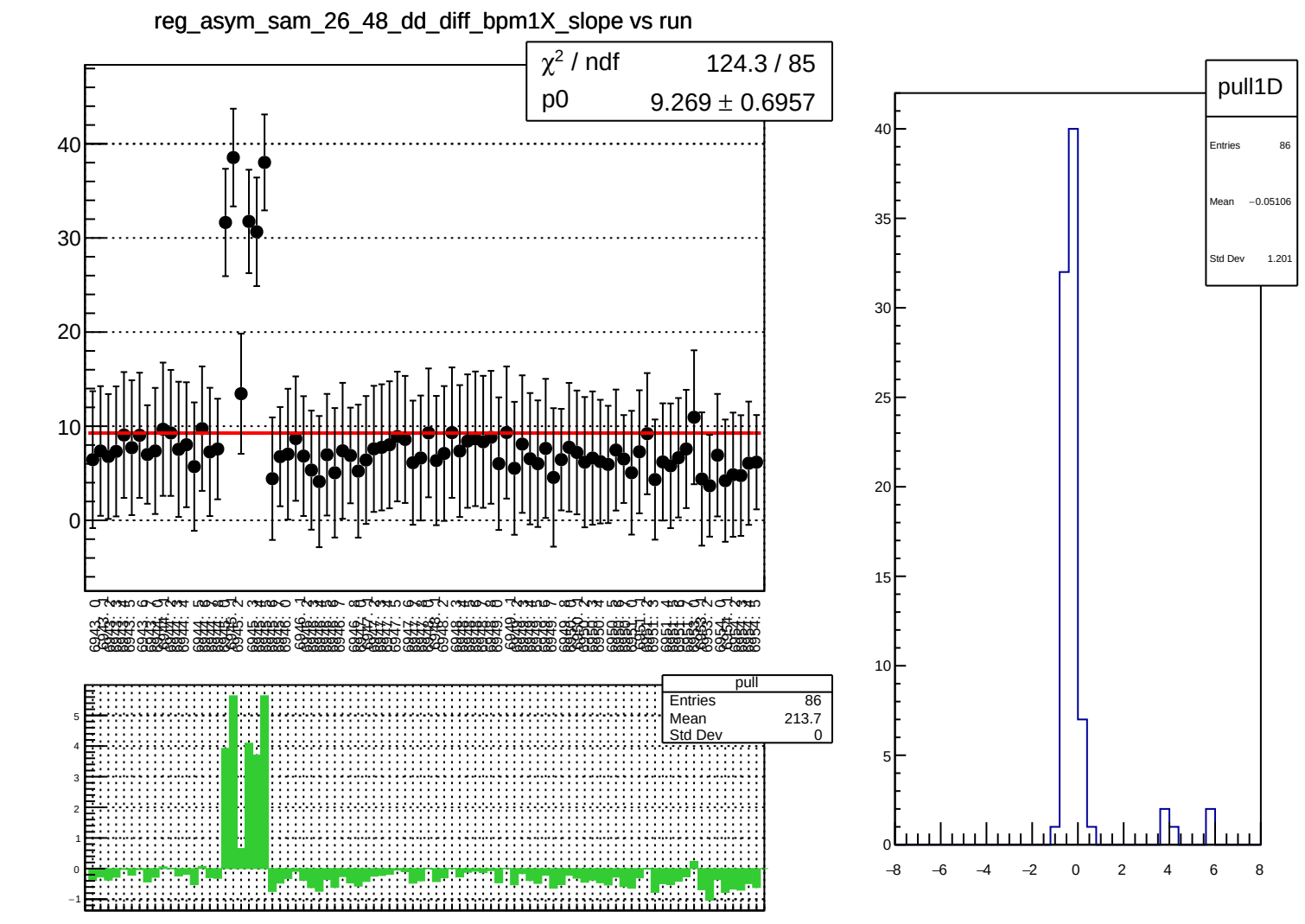

pull1D
Entries 86
Mean −0.02189
Std Dev 0.3502

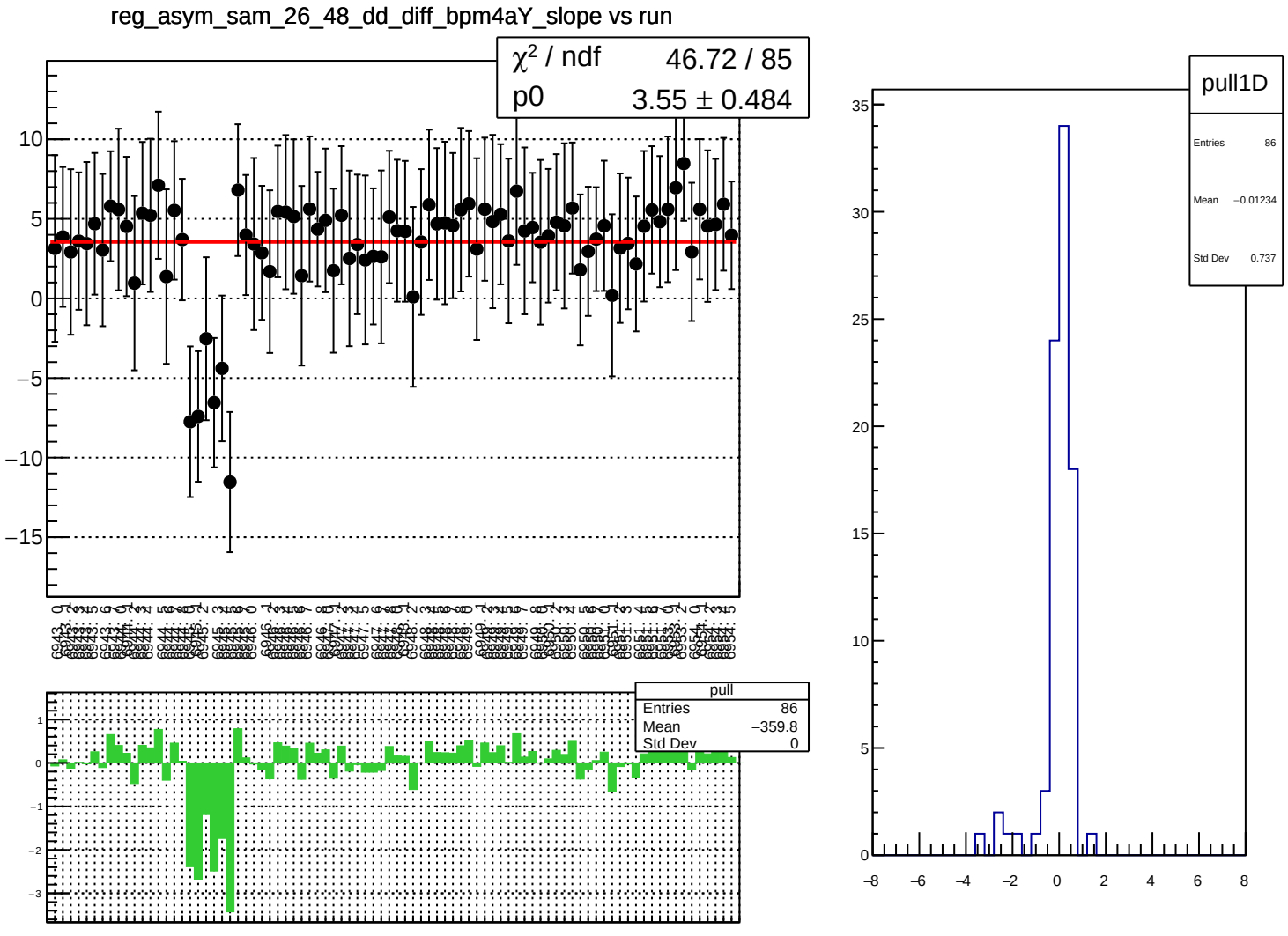

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.23 / 85
p0 −75.45 ± 1.375
pull
Entries 86
Mean 84.28
Std Dev 0
pull1D
Entries 86
Mean −0.03923
Std Dev 0.5069

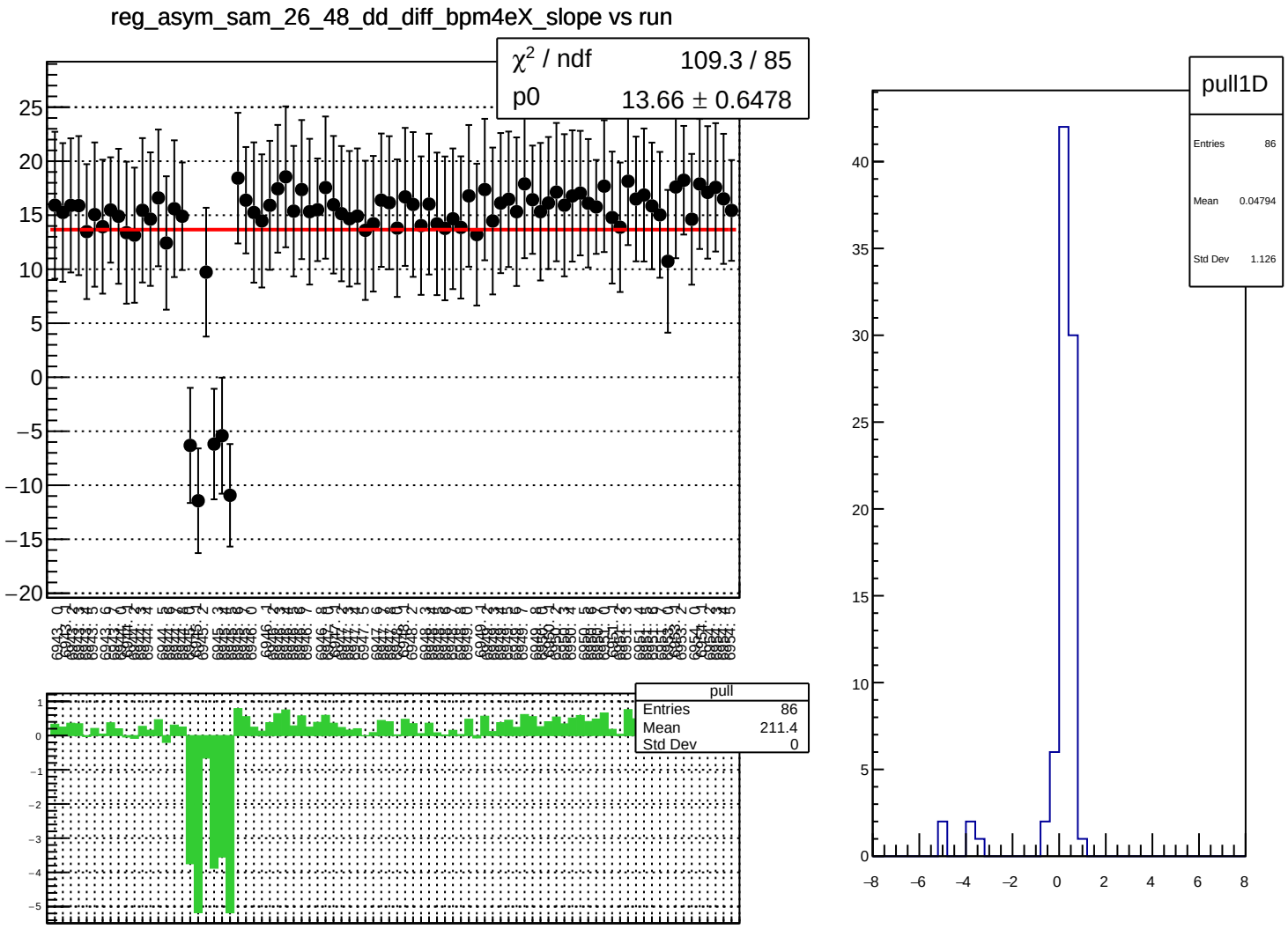

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.2 / 85
p0 −12.45 ± 1.178
pull
Entries 86
Mean 138.5
Std Dev 0
pull1D
Entries 86
Mean 0.01988
Std Dev 0.3438

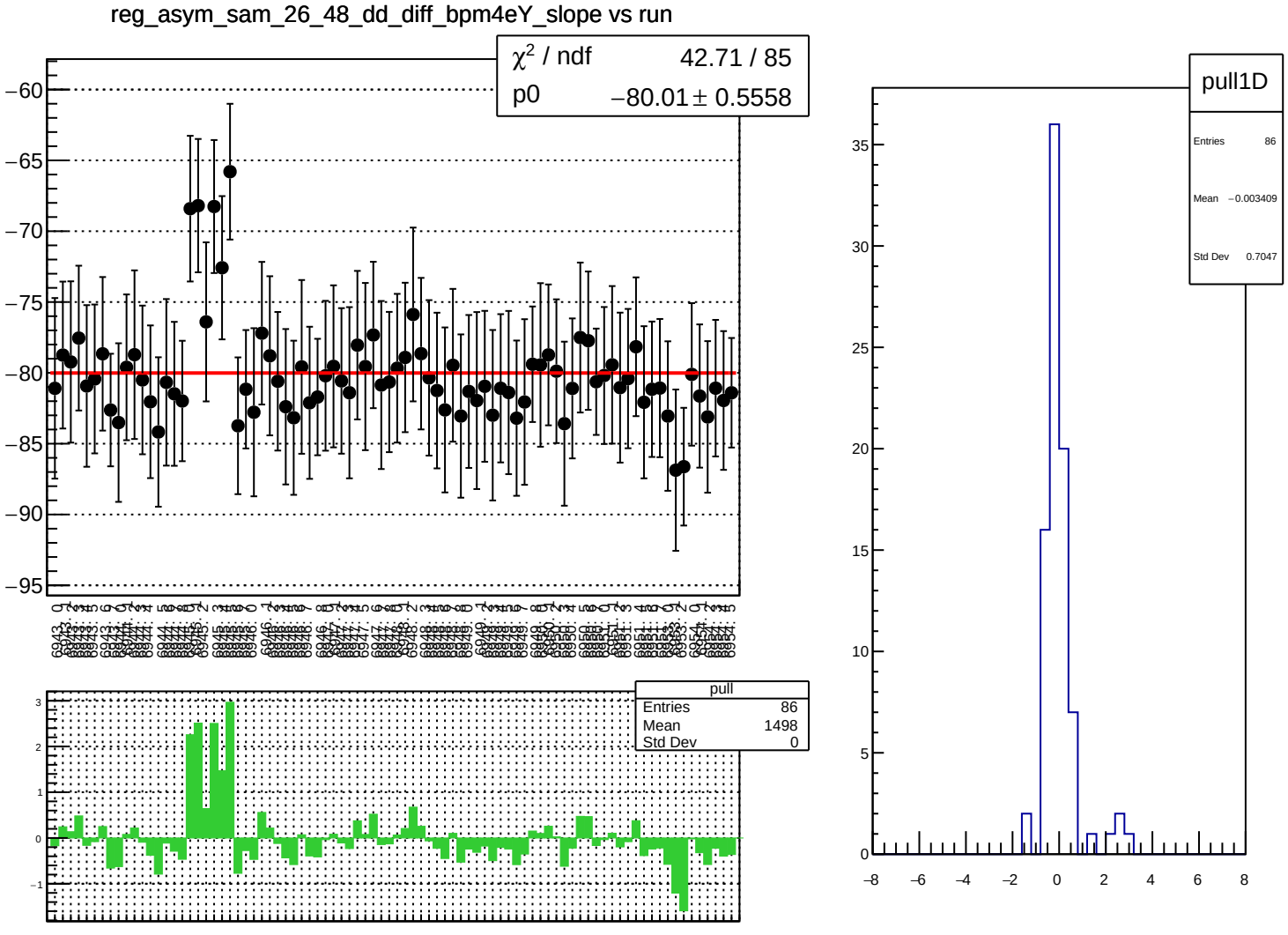

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.7 / 85
p0 0.2345 ± 0.04593
pull
Entries 86
Mean −1.005e+04
Std Dev 0

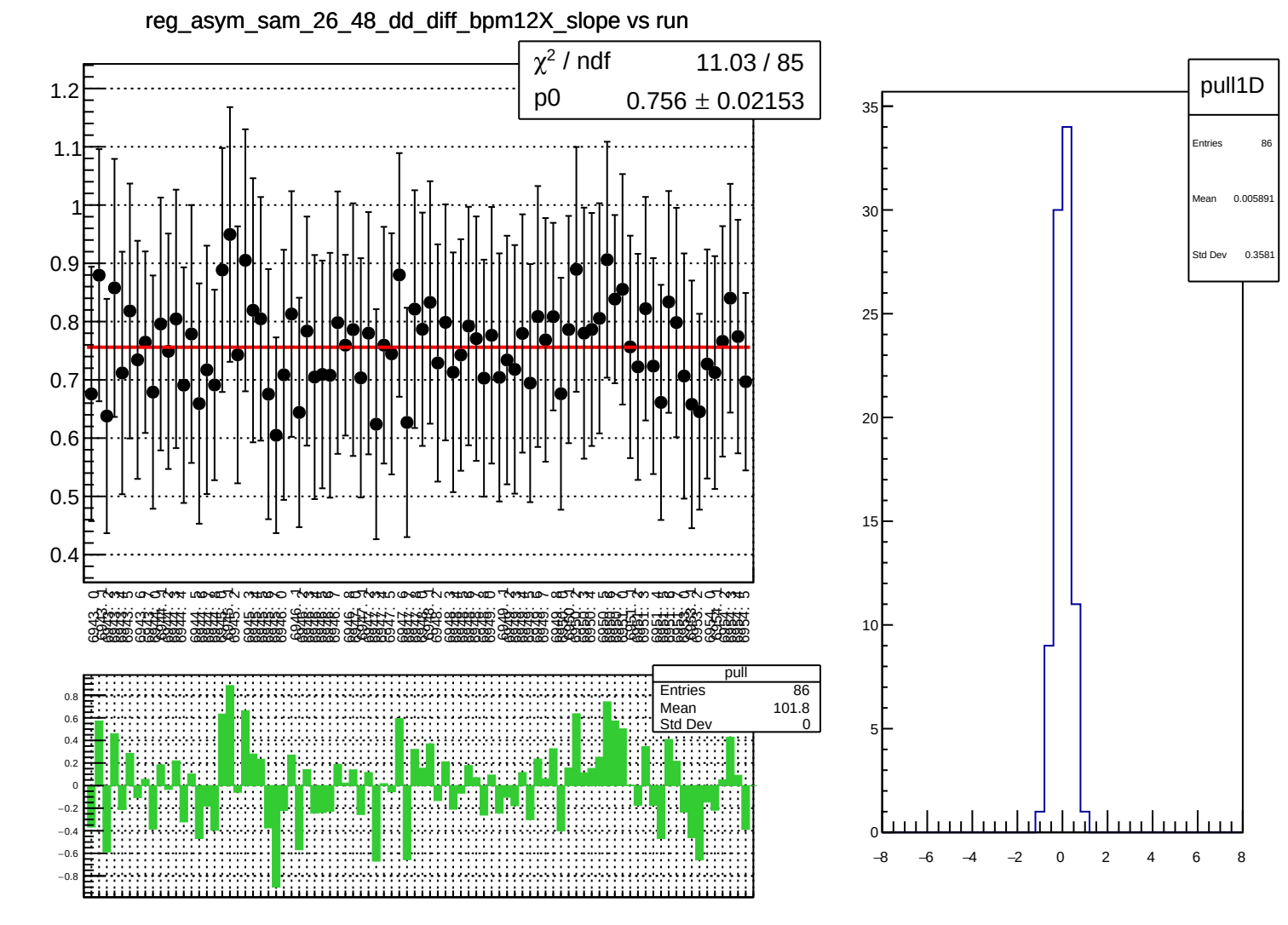

pull1D
Entries 86
Mean −4.999e−05
Std Dev 0.1772

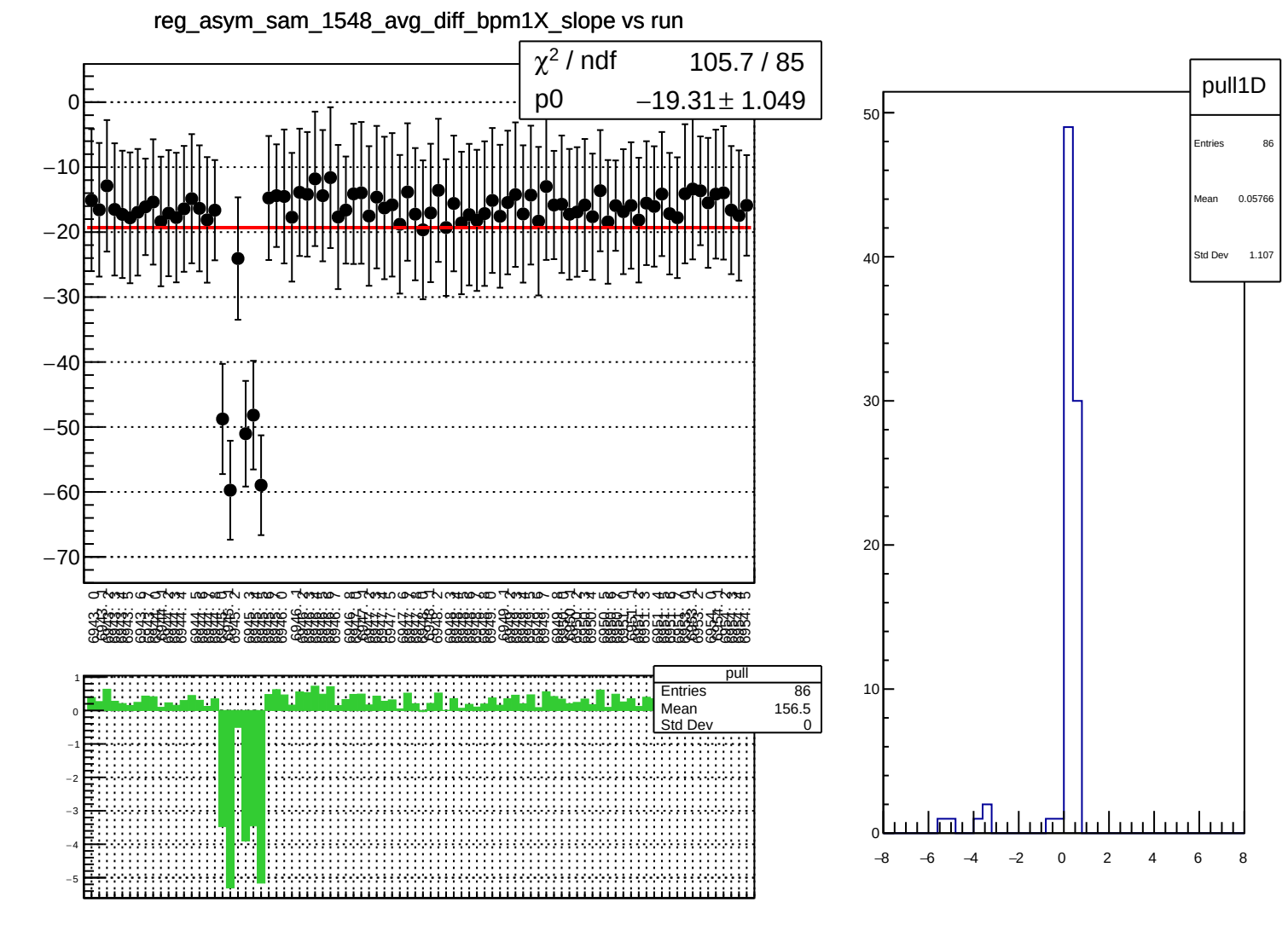

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 124.3 / 85
p0 9.269 ± 0.6957
pull
Entries 86
Mean 213.7
Std Dev 0
pull1D
Entries 86
Mean −0.05106
Std Dev 1.201

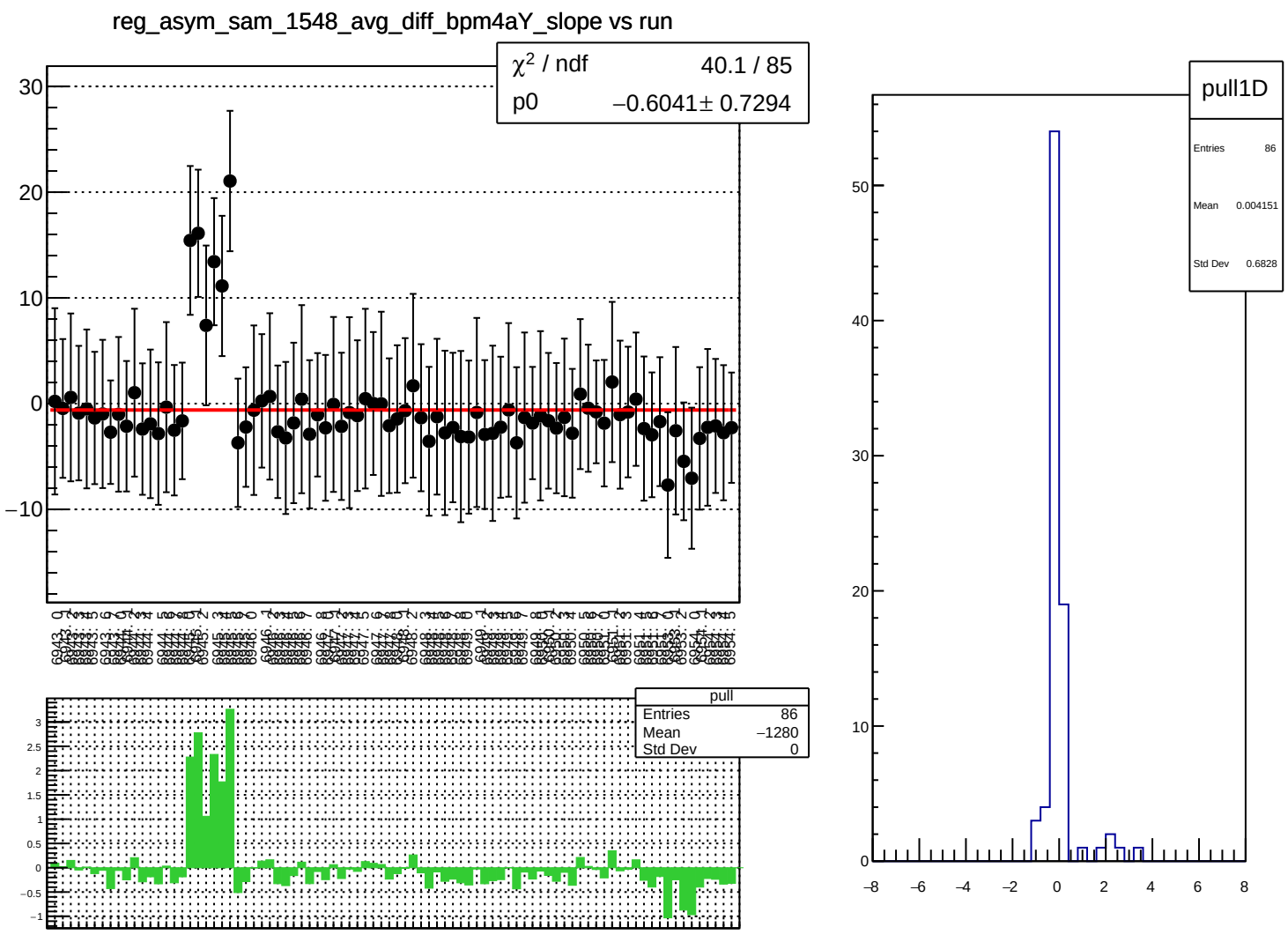

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.72 / 85
p0 3.55 ± 0.484
pull
Entries 86
Mean −359.8
Std Dev 0
pull1D
Entries 86
Mean −0.01234
Std Dev 0.737

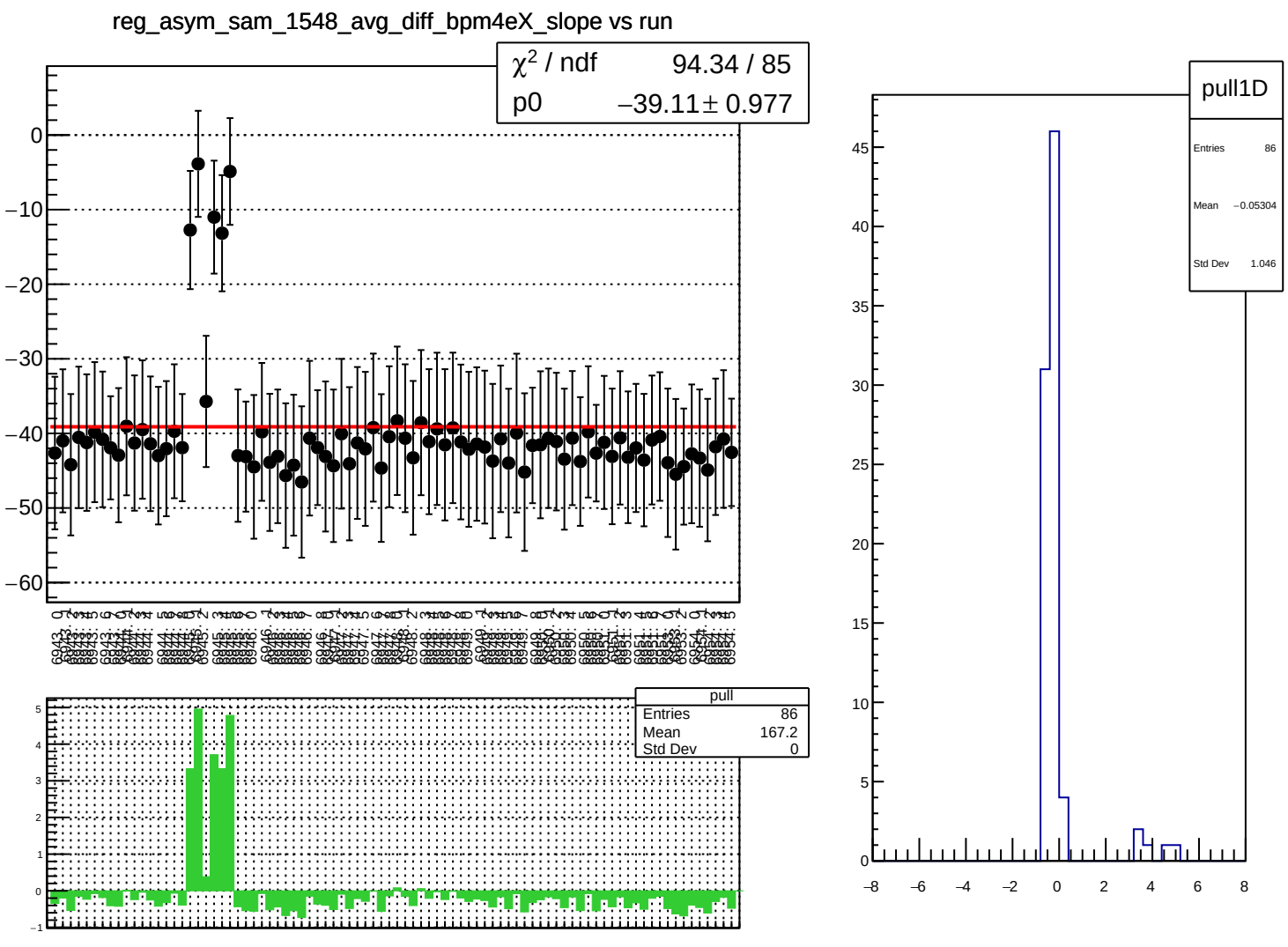

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.3 / 85
p0 13.66 ± 0.6478
pull
Entries 86
Mean 211.4
Std Dev 0
pull1D
Entries 86
Mean 0.04794
Std Dev 1.126

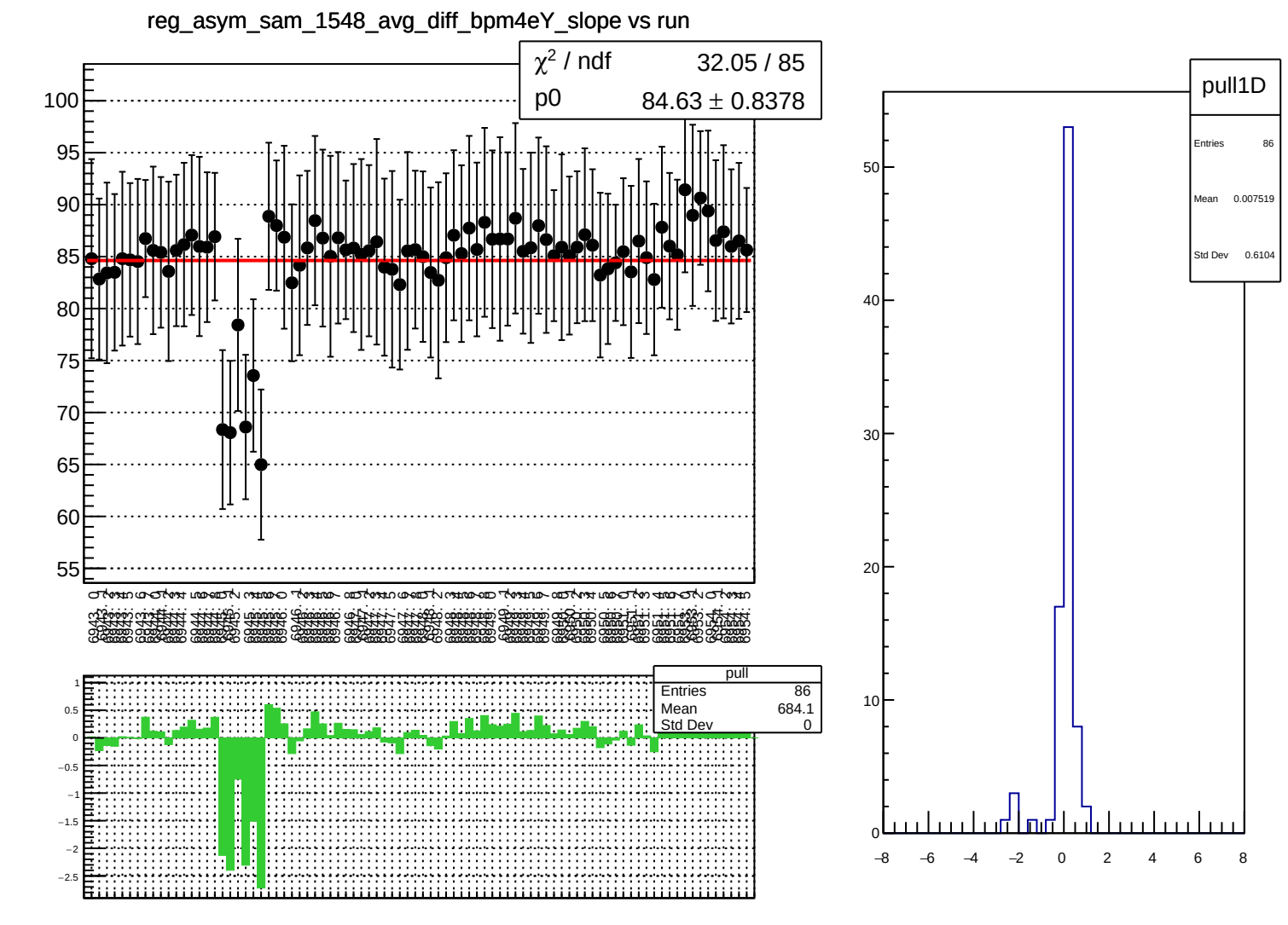

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.71 / 85
p0 −80.01 ± 0.5558
pull
Entries 86
Mean 1498
Std Dev 0
pull1D
Entries 86
Mean −0.003409
Std Dev 0.7047

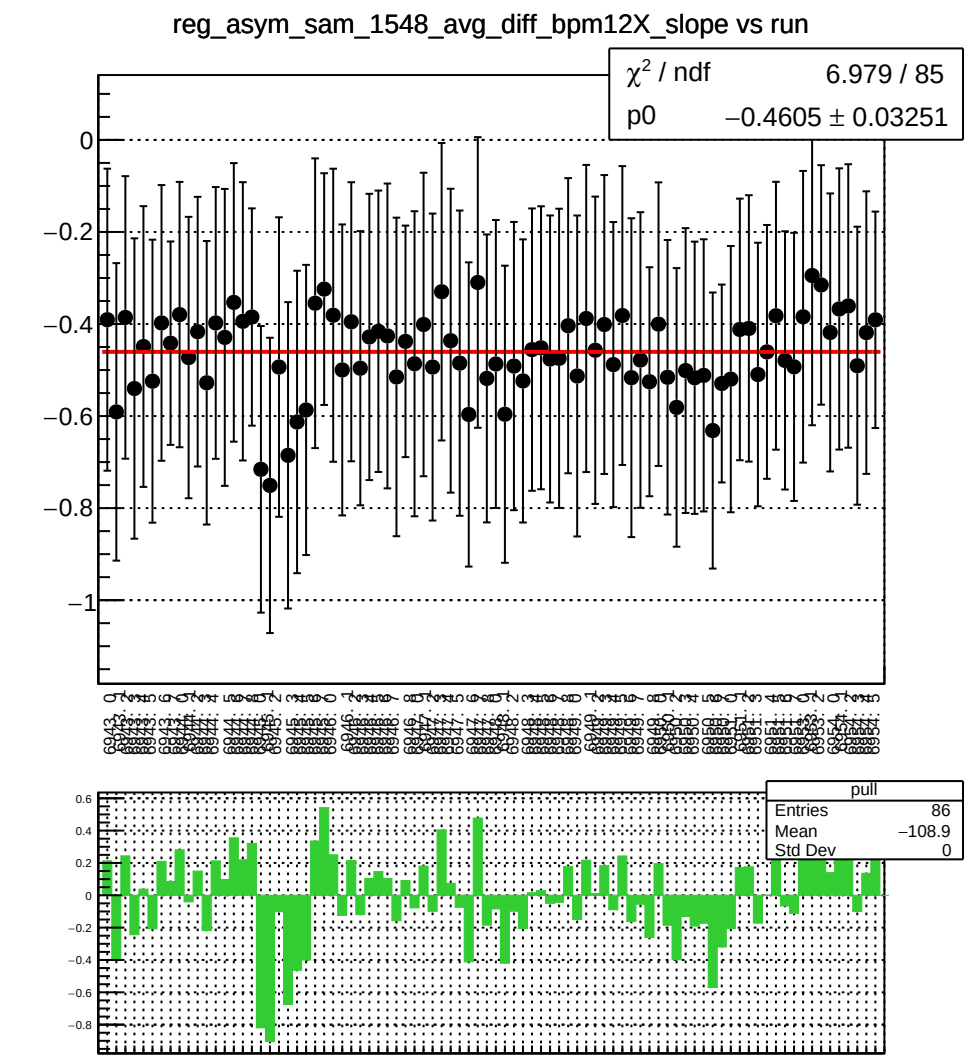

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.03 / 85
p0 0.756 ± 0.02153
pull
Entries 86
Mean 101.8
Std Dev 0
pull1D
Entries 86
Mean 0.005891
Std Dev 0.3581

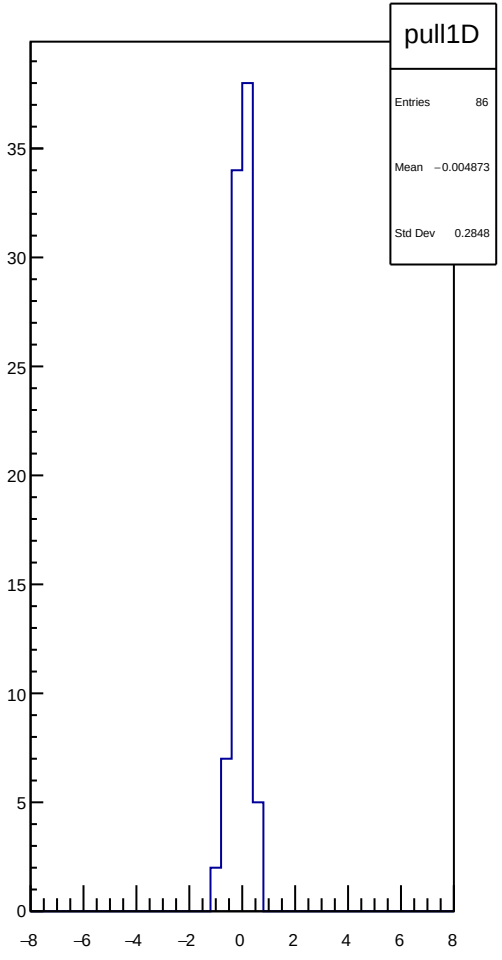

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 105.7 / 85
p0 −19.31 ± 1.049
pull
Entries 86
Mean 156.5
Std Dev 0
pull1D
Entries 86
Mean 0.05766
Std Dev 1.107

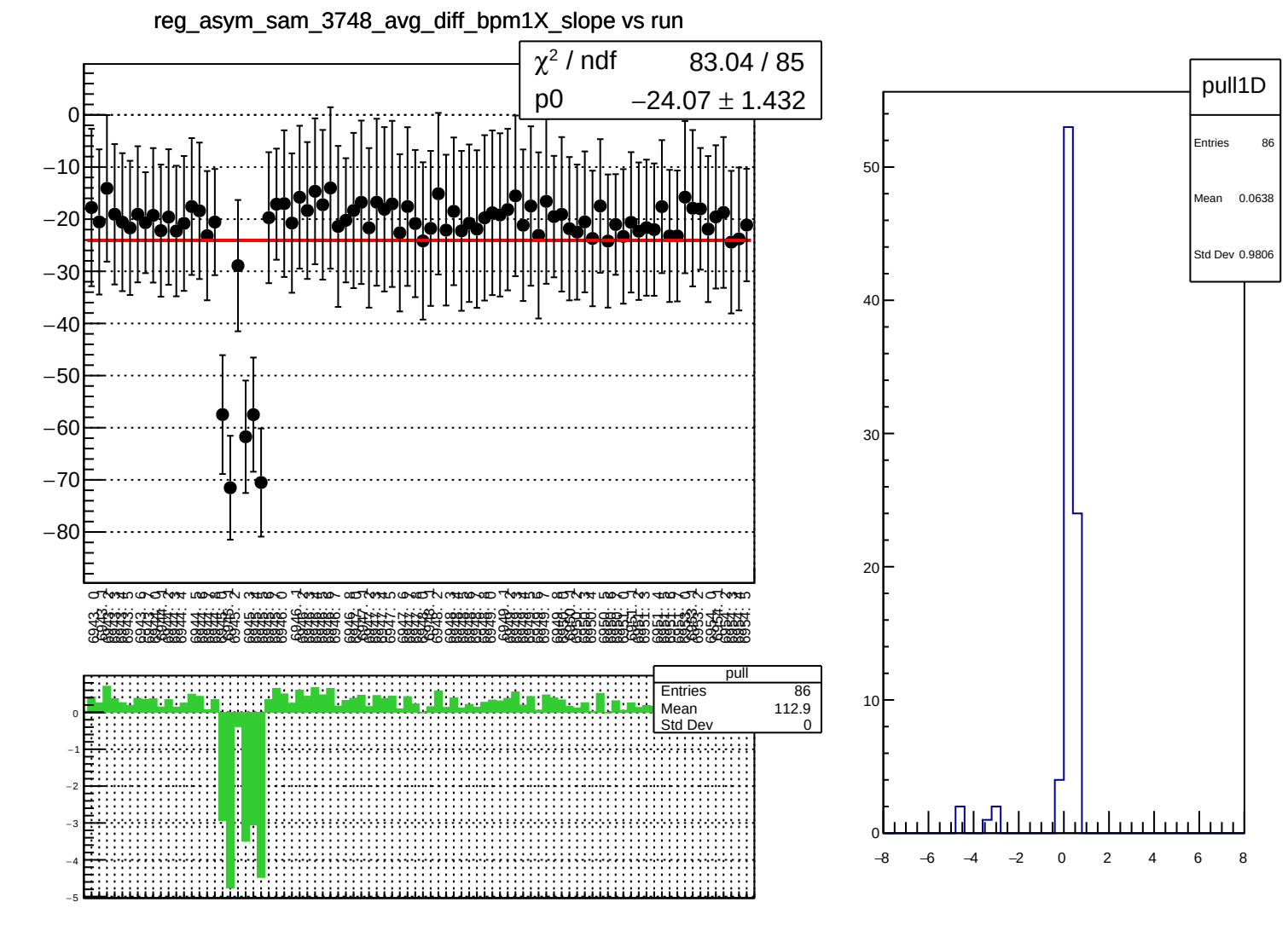

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.1 / 85
p0 −0.6041± 0.7294
pull
Entries 86
Mean −1280
Std Dev 0
pull1D
Entries 86
Mean 0.004151
Std Dev 0.6828

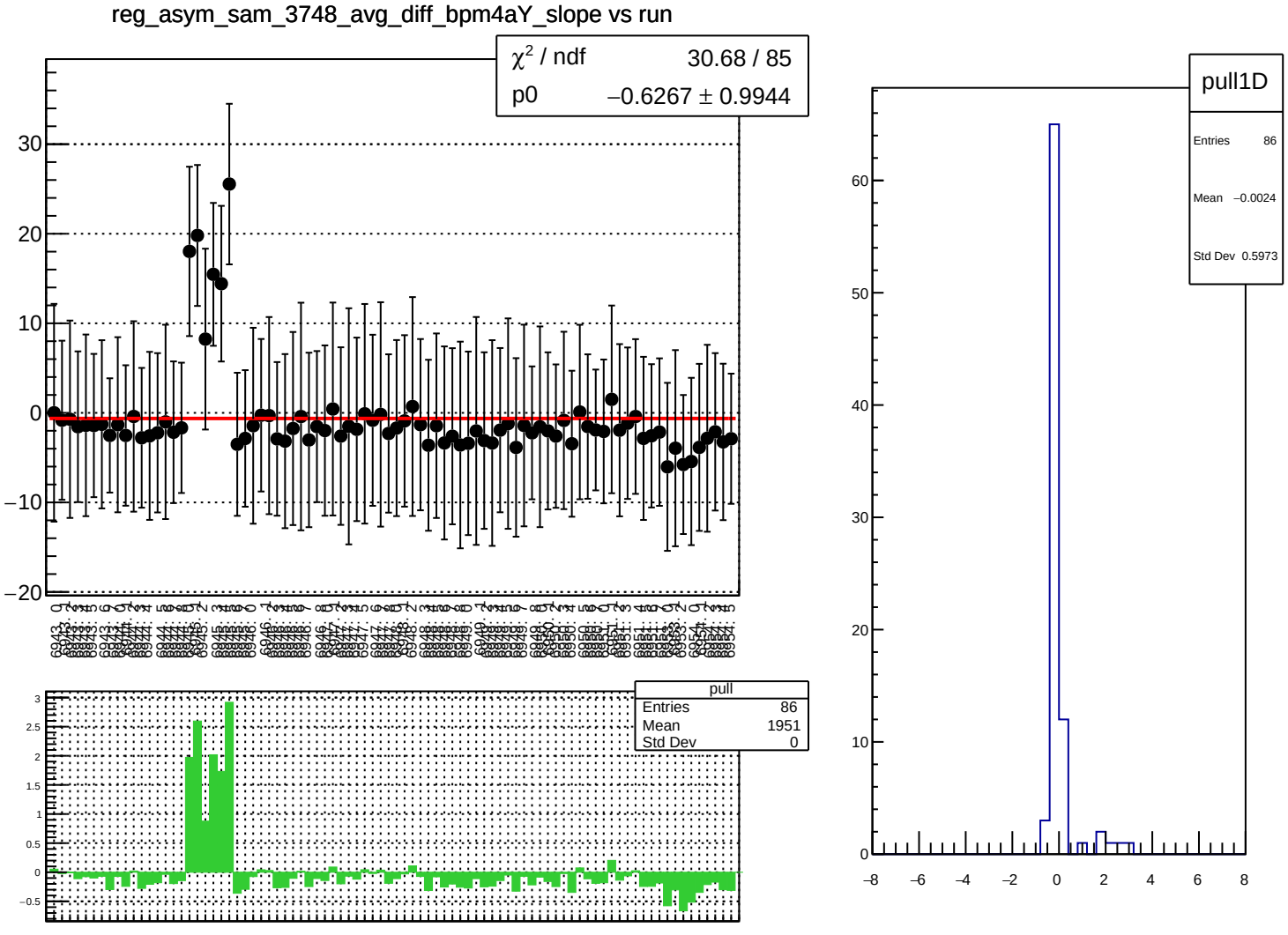

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.34 / 85
p0 −39.11± 0.977
pull
Entries 86
Mean 167.2
Std Dev 0
pull1D
Entries 86
Mean −0.05304
Std Dev 1.046

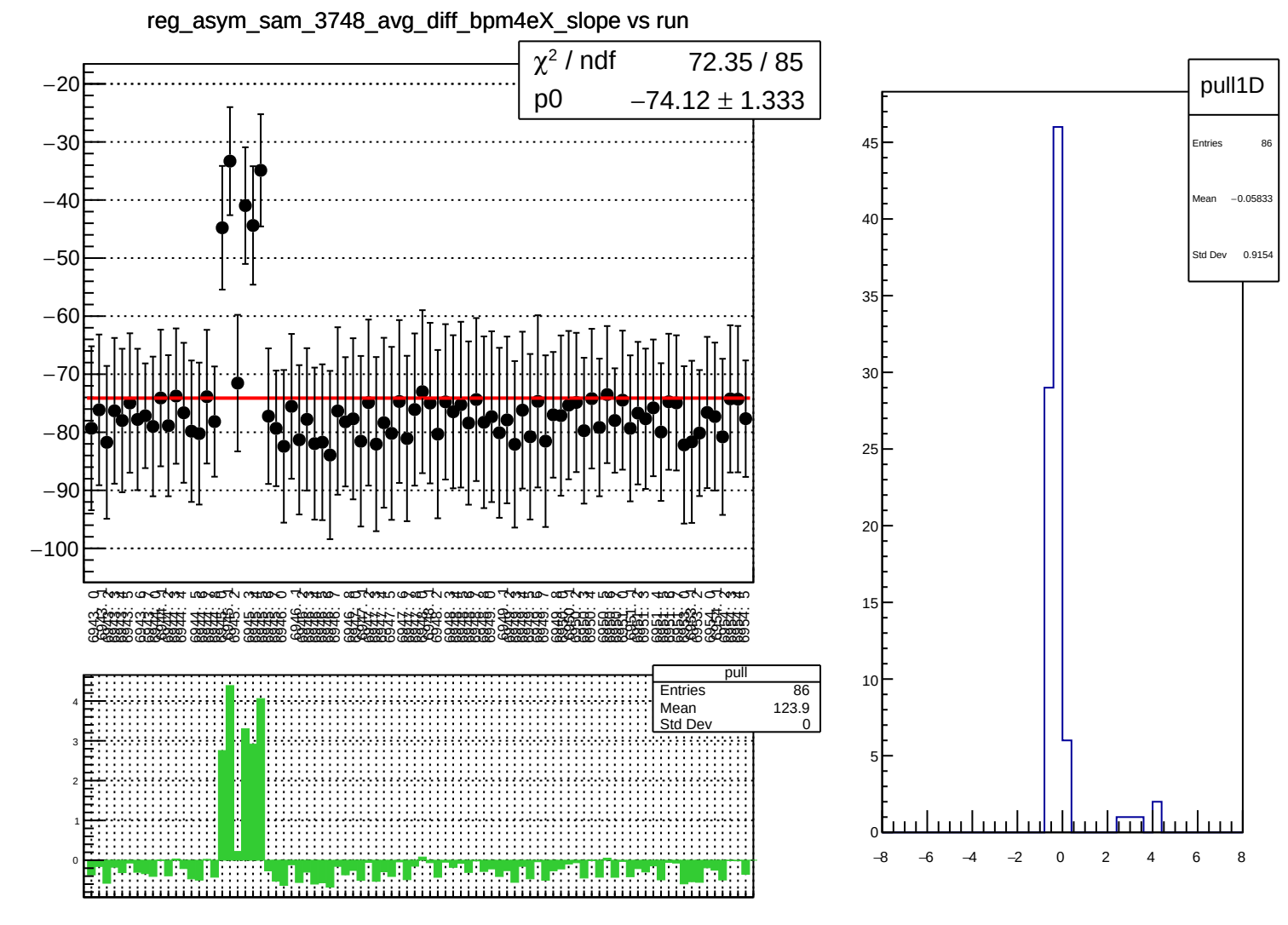

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.05 / 85
p0 84.63 ± 0.8378
pull
Entries 86
Mean 684.1
Std Dev 0
pull1D
Entries 86
Mean 0.007519
Std Dev 0.6104

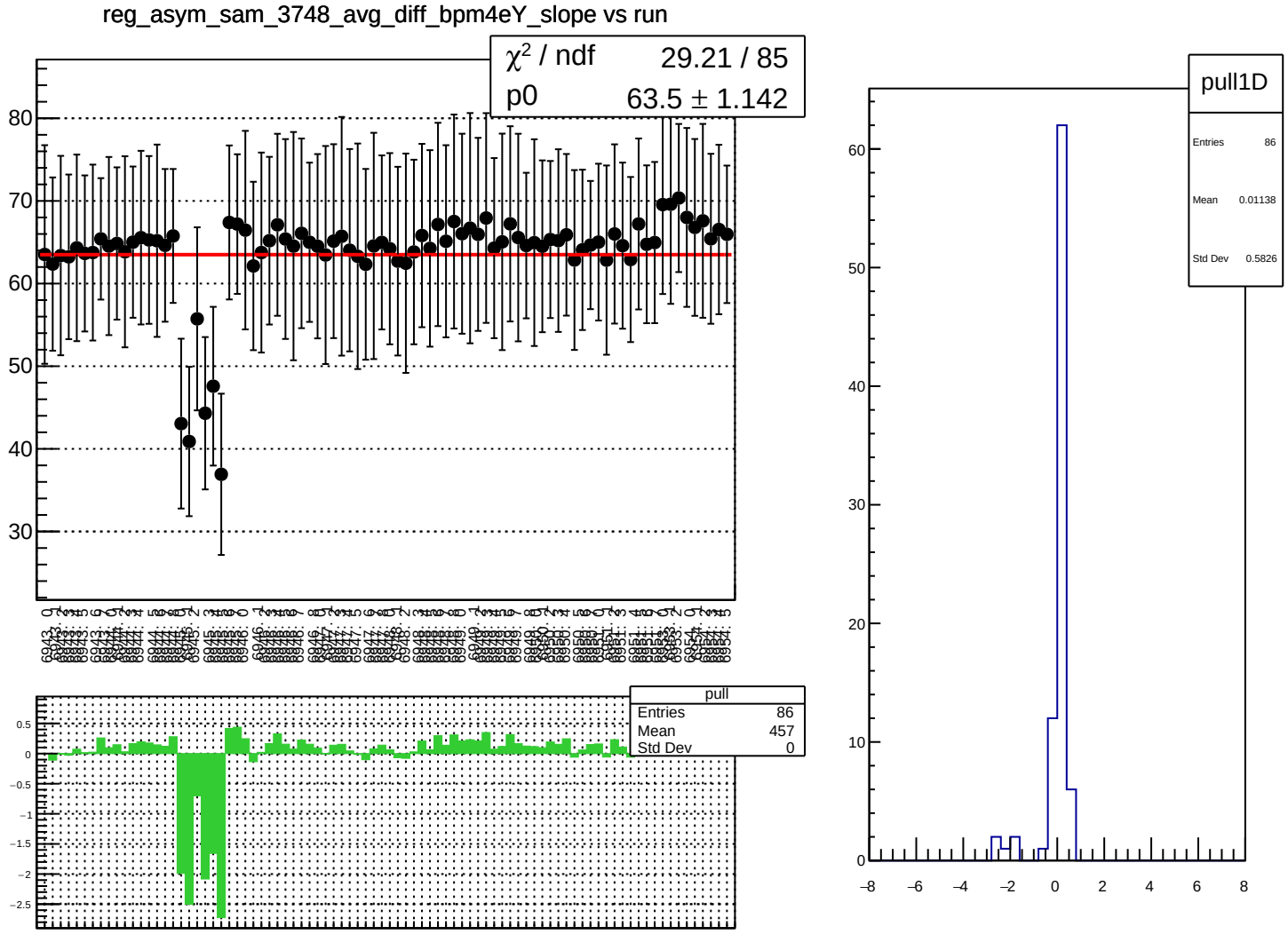

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.979 / 85
p0 −0.4605 ± 0.03251
pull
Entries 86
Mean −108.9
Std Dev 0

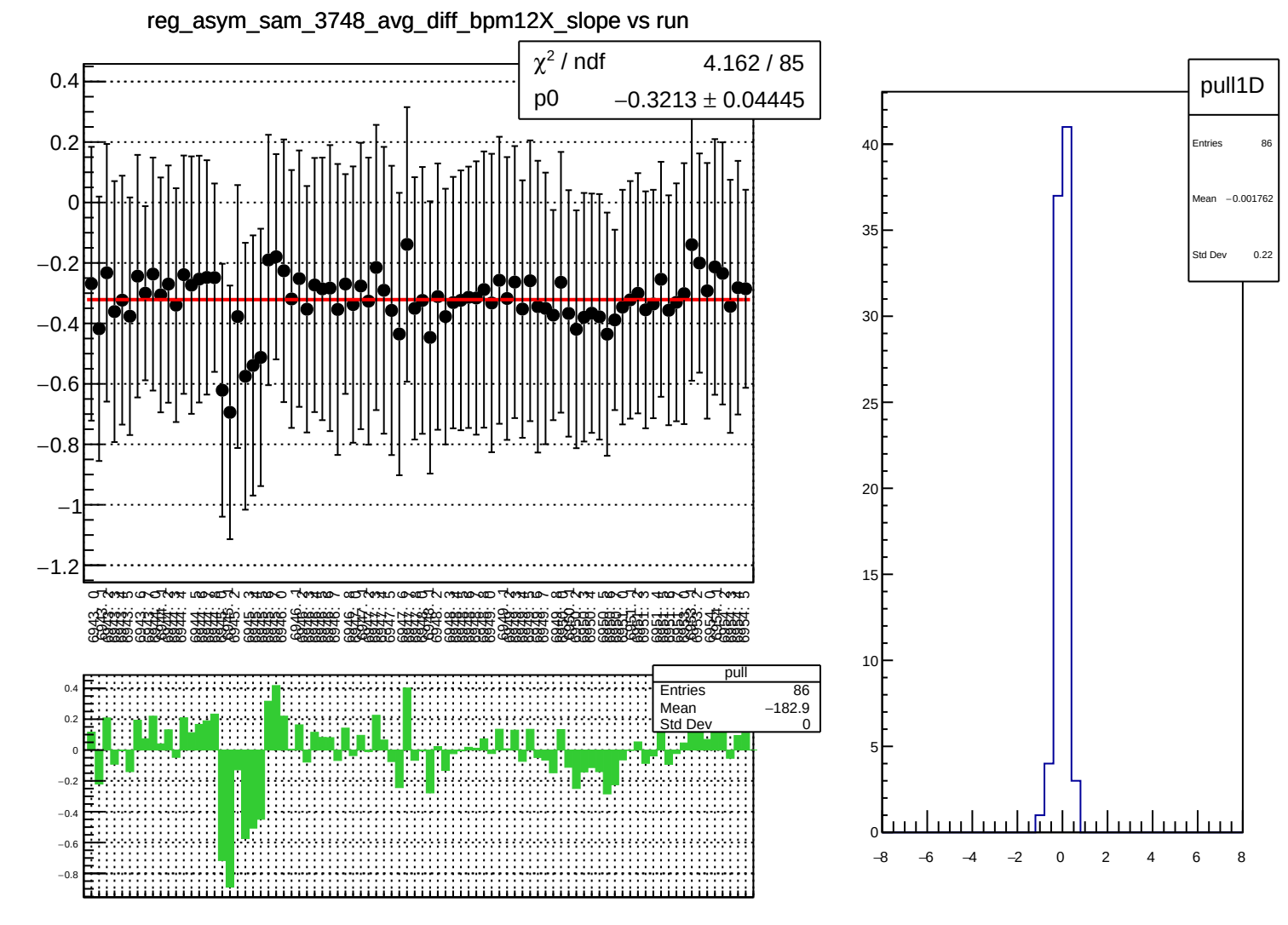

pull1D
Entries 86
Mean −0.004873
Std Dev 0.2848

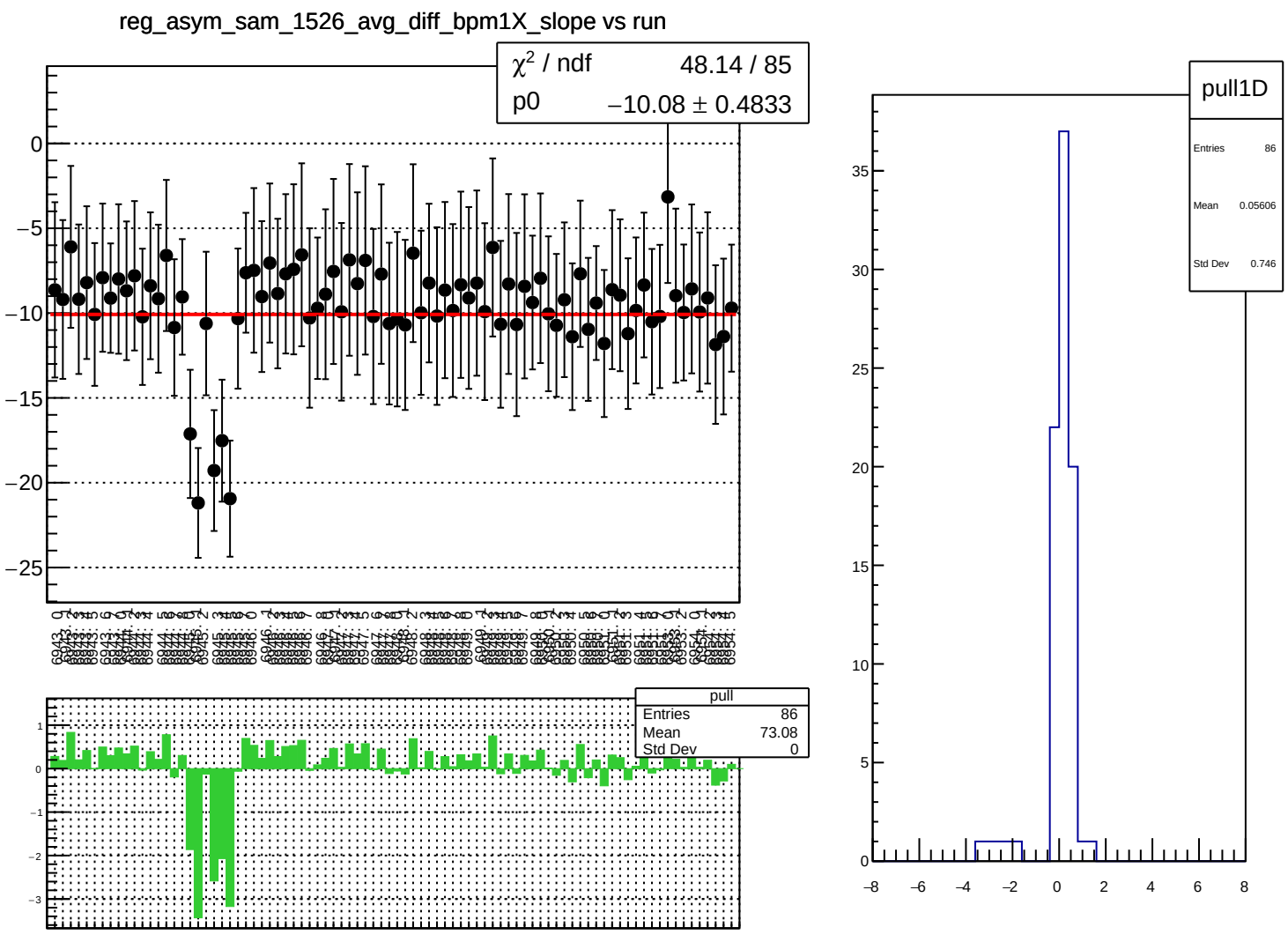

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 83.04 / 85
p0 −24.07 ± 1.432
pull
Entries 86
Mean 112.9
Std Dev 0
pull1D
Entries 86
Mean 0.0638
Std Dev 0.9806

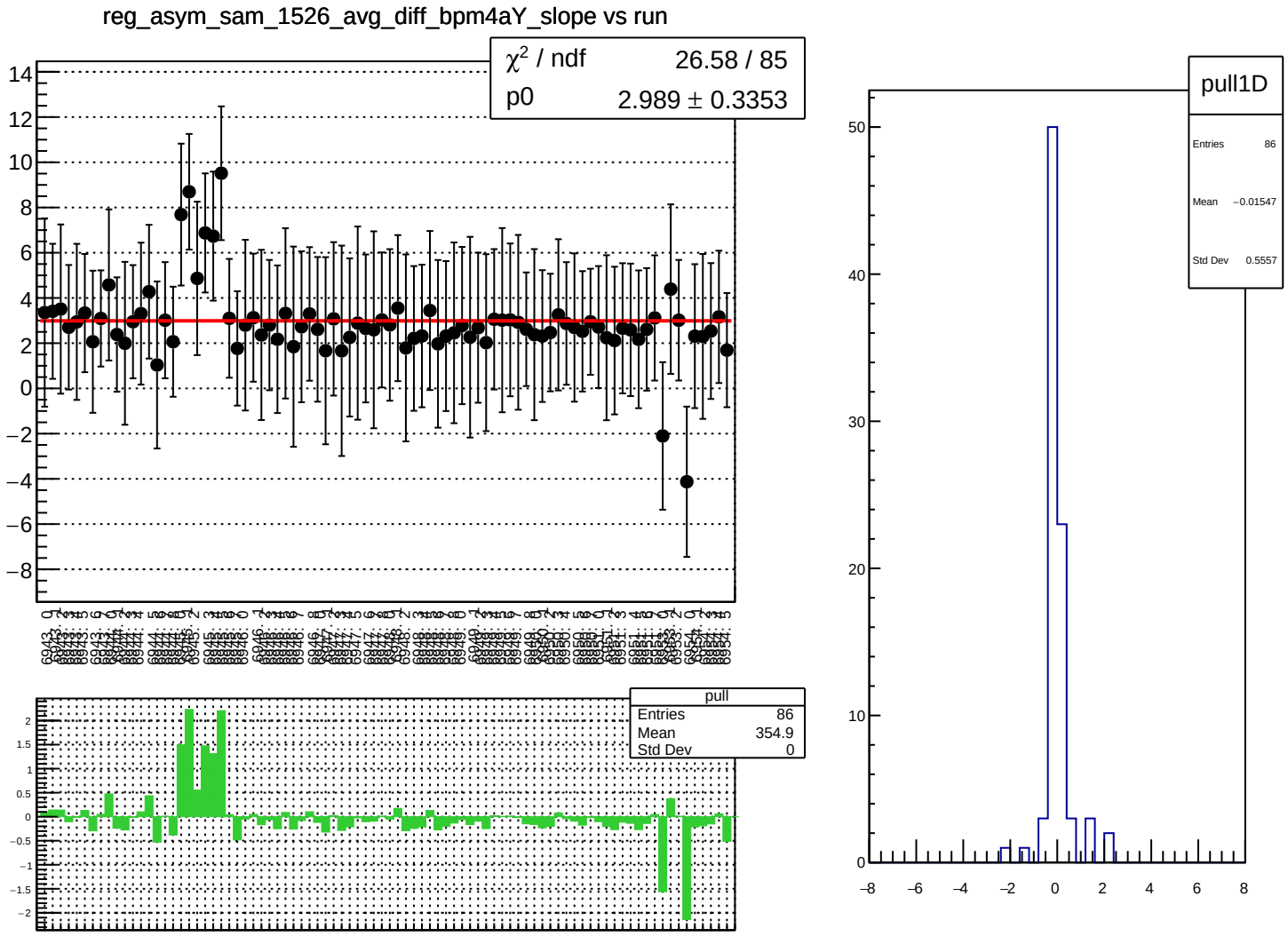

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.68 / 85
p0 −0.6267 ± 0.9944
pull
Entries 86
Mean 1951
Std Dev 0
pull1D
Entries 86
Mean −0.0024
Std Dev 0.5973

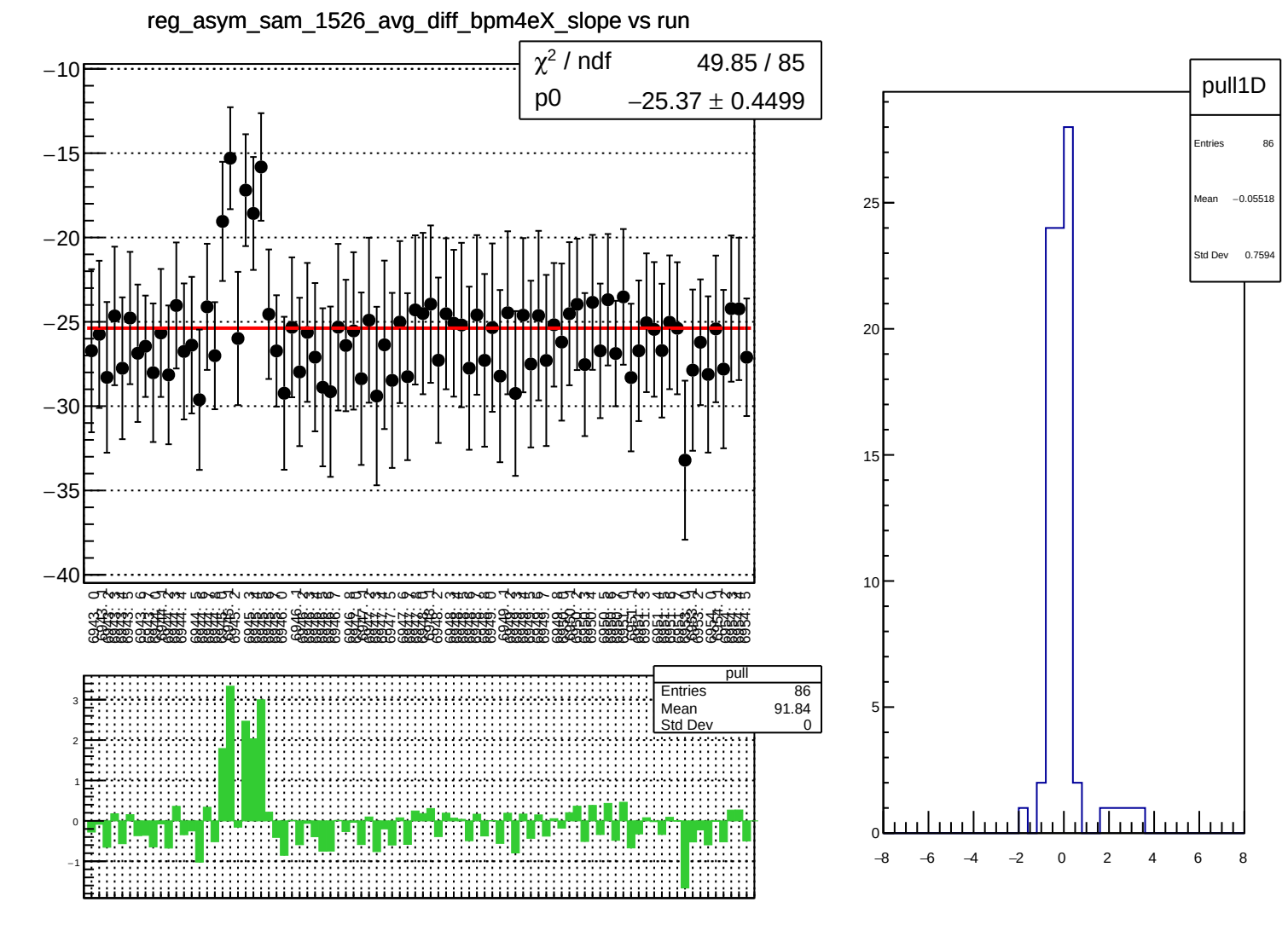

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 72.35 / 85
p0 −74.12 ± 1.333
pull
Entries 86
Mean 123.9
Std Dev 0
pull1D
Entries 86
Mean −0.05833
Std Dev 0.9154

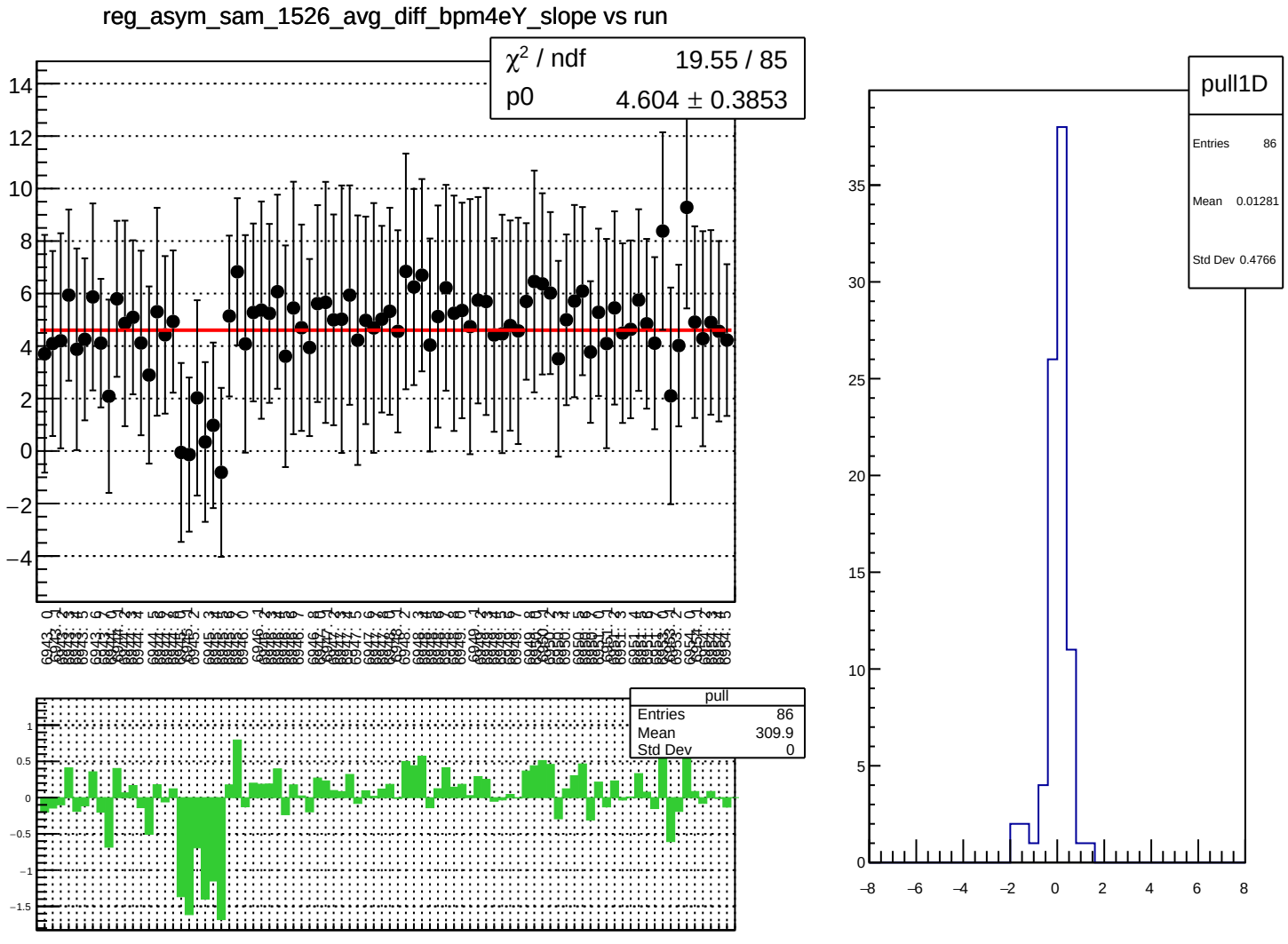

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.21 / 85
p0 63.5 ± 1.142
pull
Entries 86
Mean 457
Std Dev 0
pull1D
Entries 86
Mean 0.01138
Std Dev 0.5826

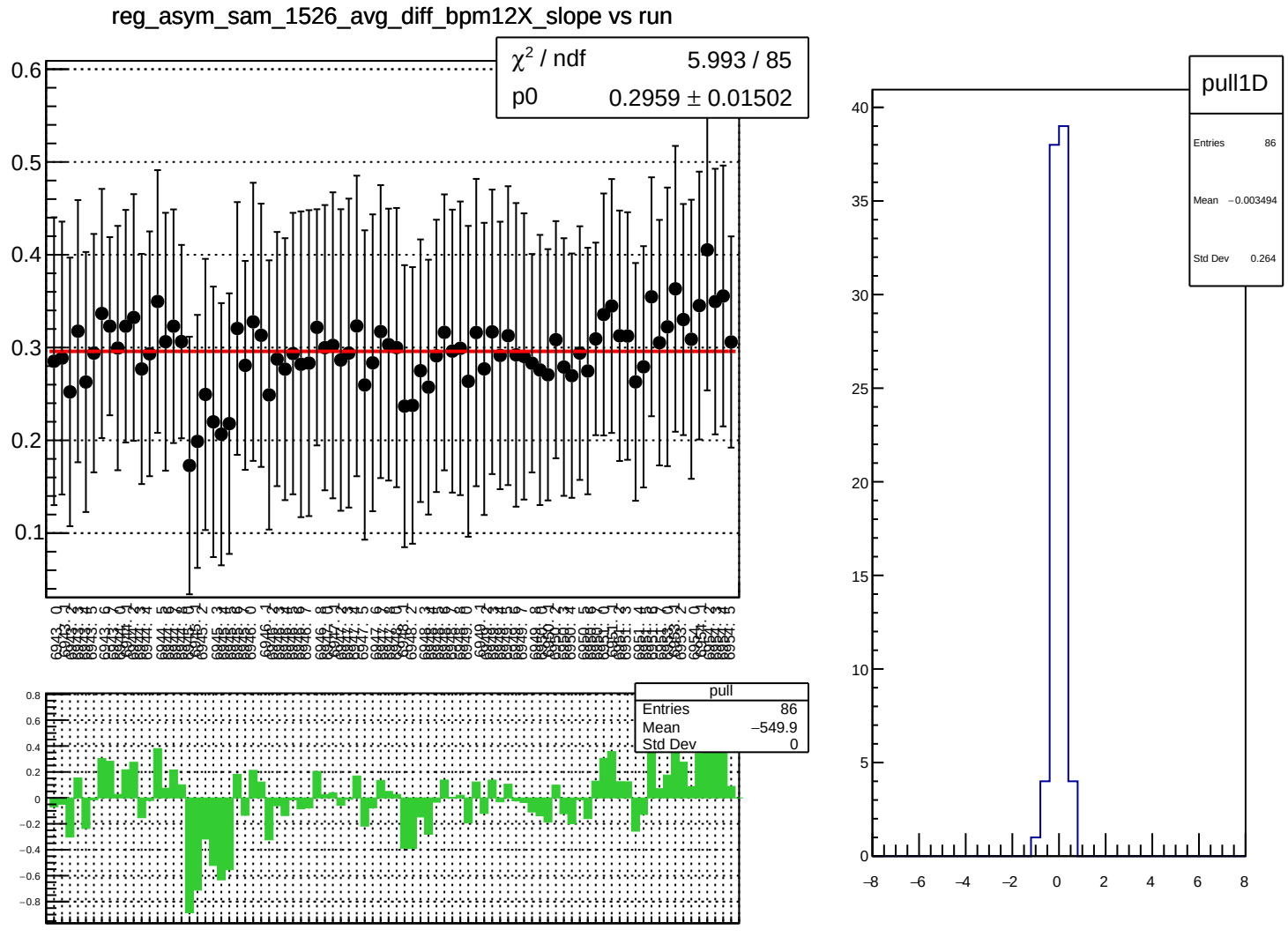

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.162 / 85
p0 −0.3213 ± 0.04445
pull
Entries 86
Mean −182.9
Std Dev 0
pull1D
Entries 86
Mean −0.001762
Std Dev 0.22

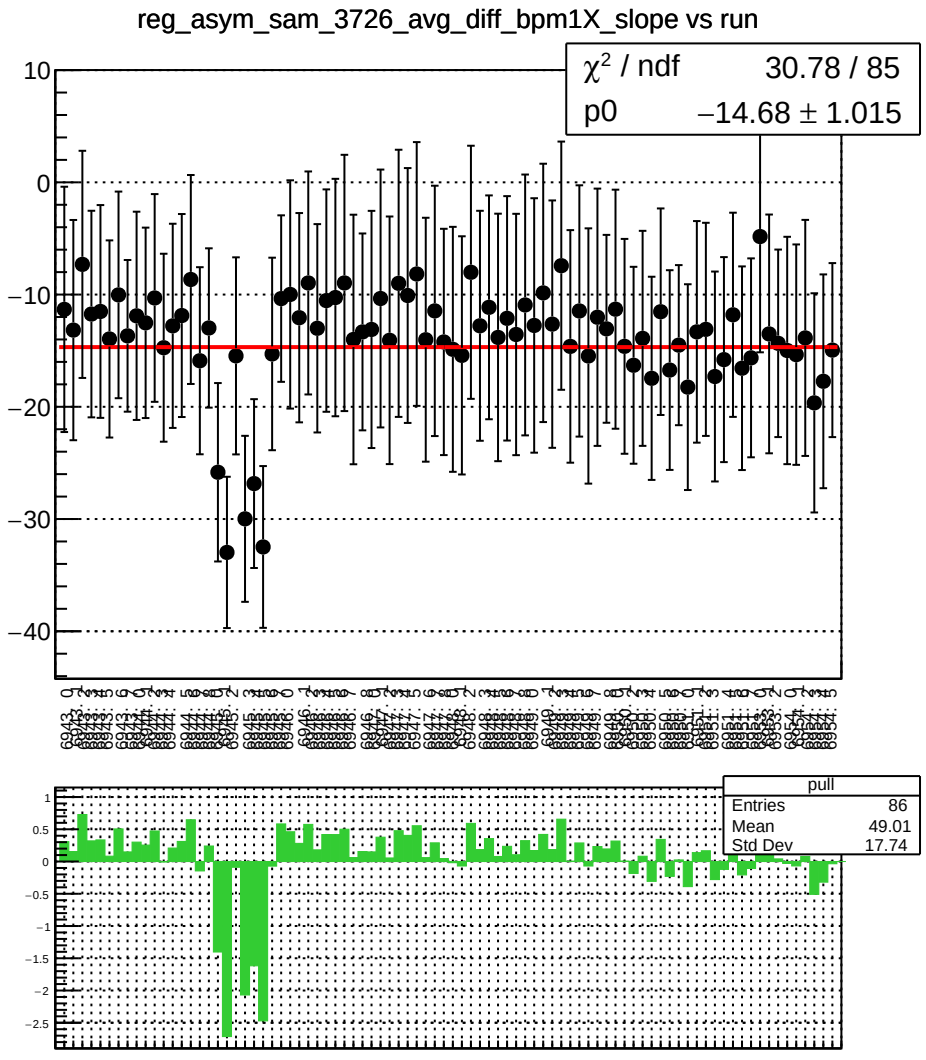

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 48.14 / 85
p0 −10.08 ± 0.4833
pull
Entries 86
Mean 73.08
Std Dev 0
pull1D
Entries 86
Mean 0.05606
Std Dev 0.746

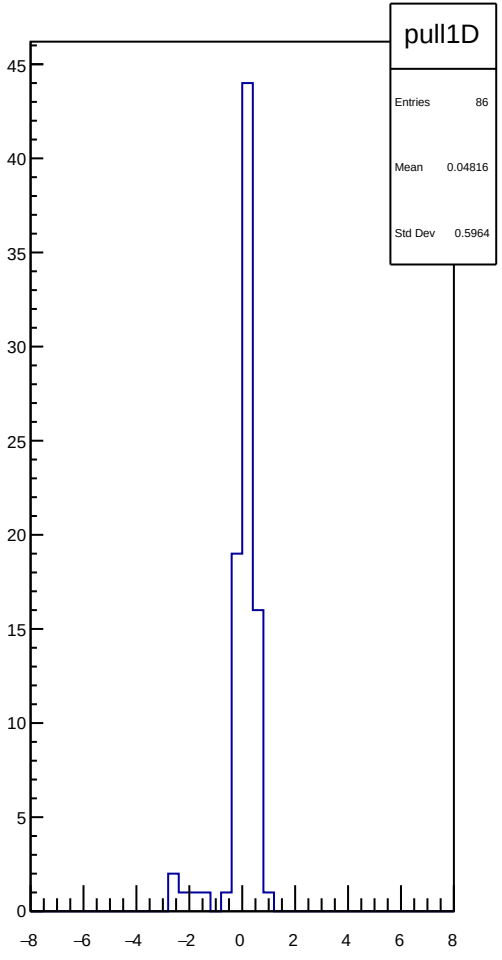

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.58 / 85
p0 2.989 ± 0.3353
pull
Entries 86
Mean 354.9
Std Dev 0
pull1D
Entries 86
Mean −0.01547
Std Dev 0.5557

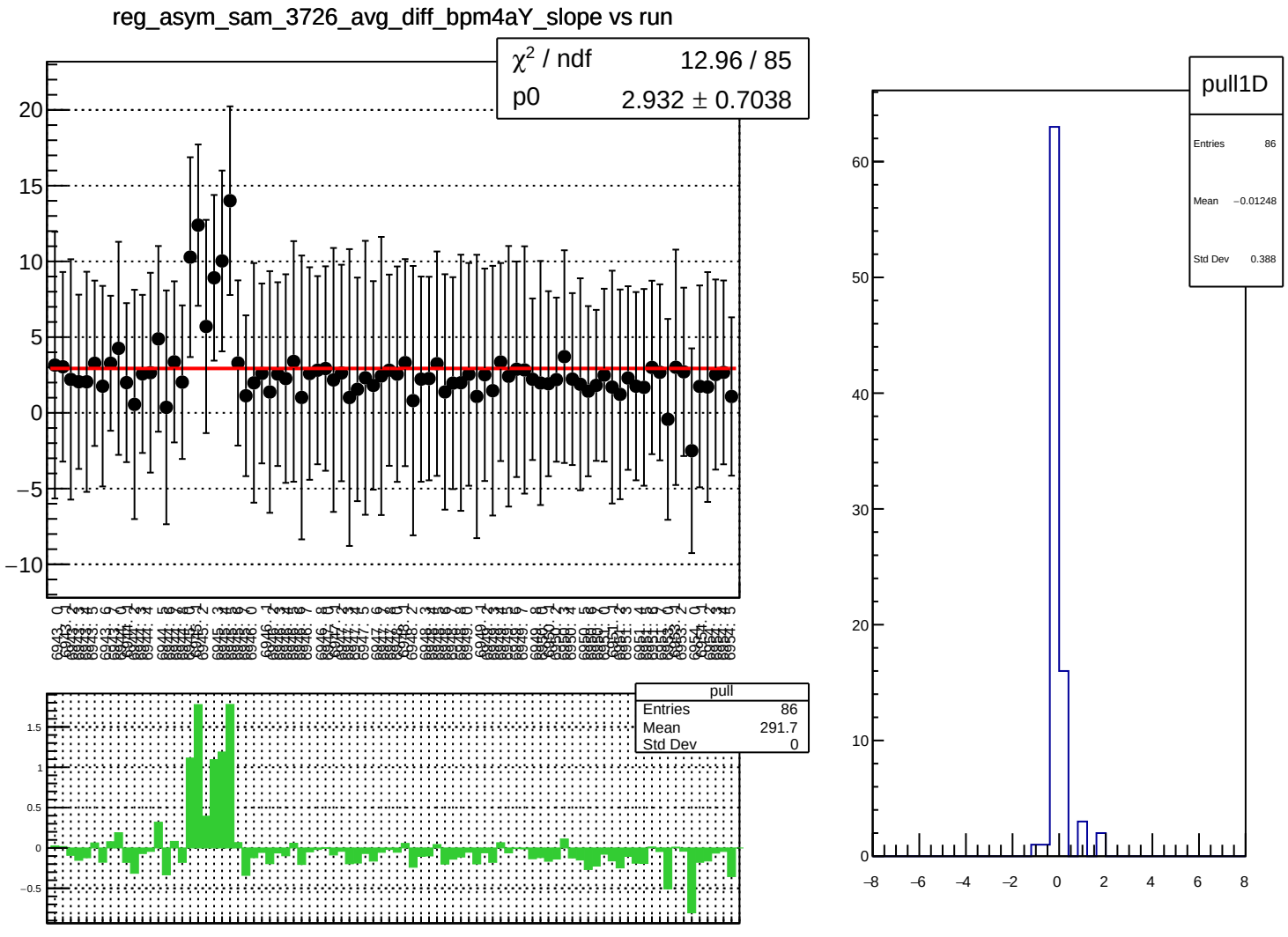

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.85 / 85
p0 −25.37 ± 0.4499
pull
Entries 86
Mean 91.84
Std Dev 0
pull1D
Entries 86
Mean −0.05518
Std Dev 0.7594

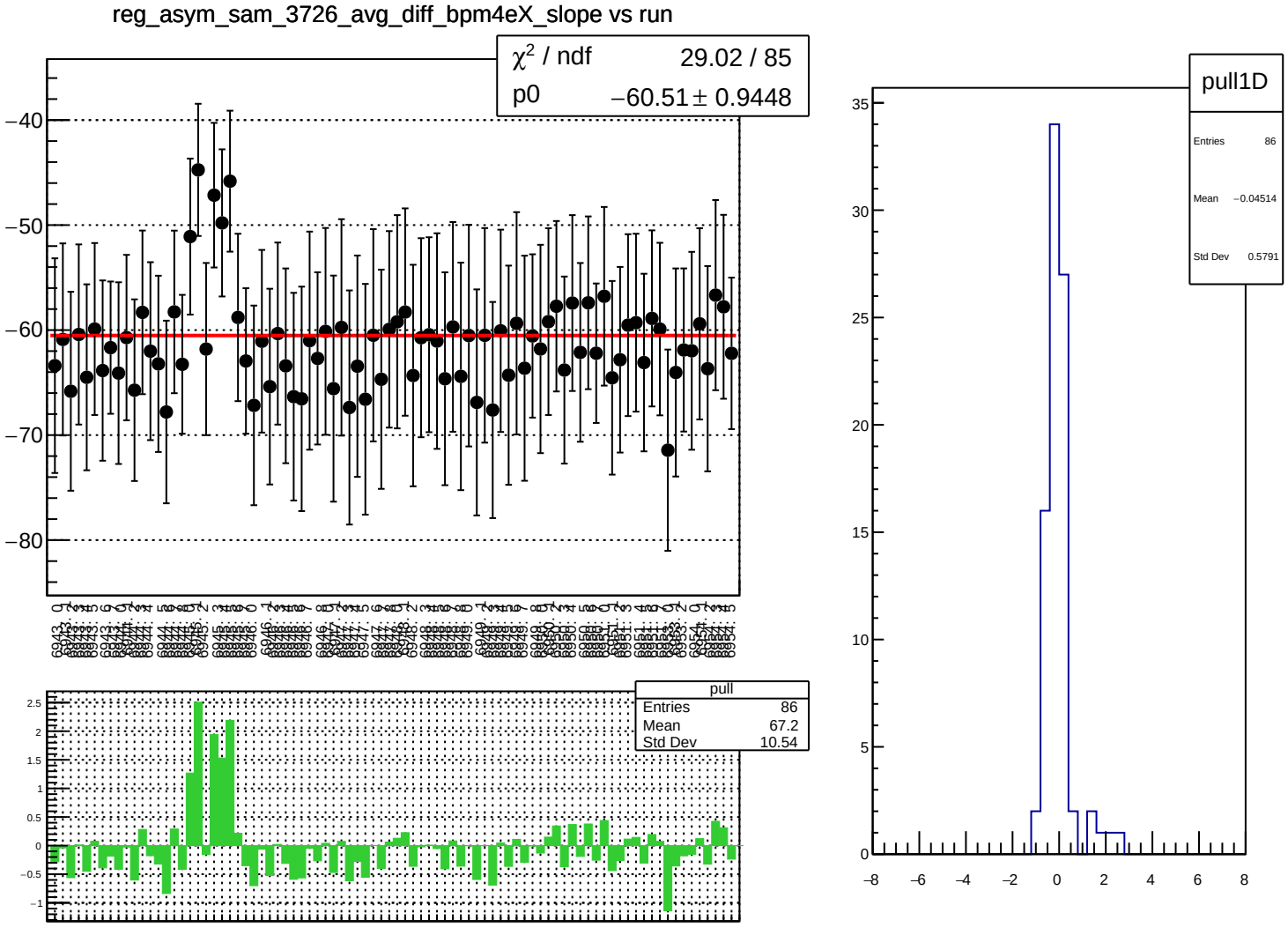

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.55 / 85
p0 4.604 ± 0.3853
pull
Entries 86
Mean 309.9
Std Dev 0
pull1D
Entries 86
Mean 0.01281
Std Dev 0.4766

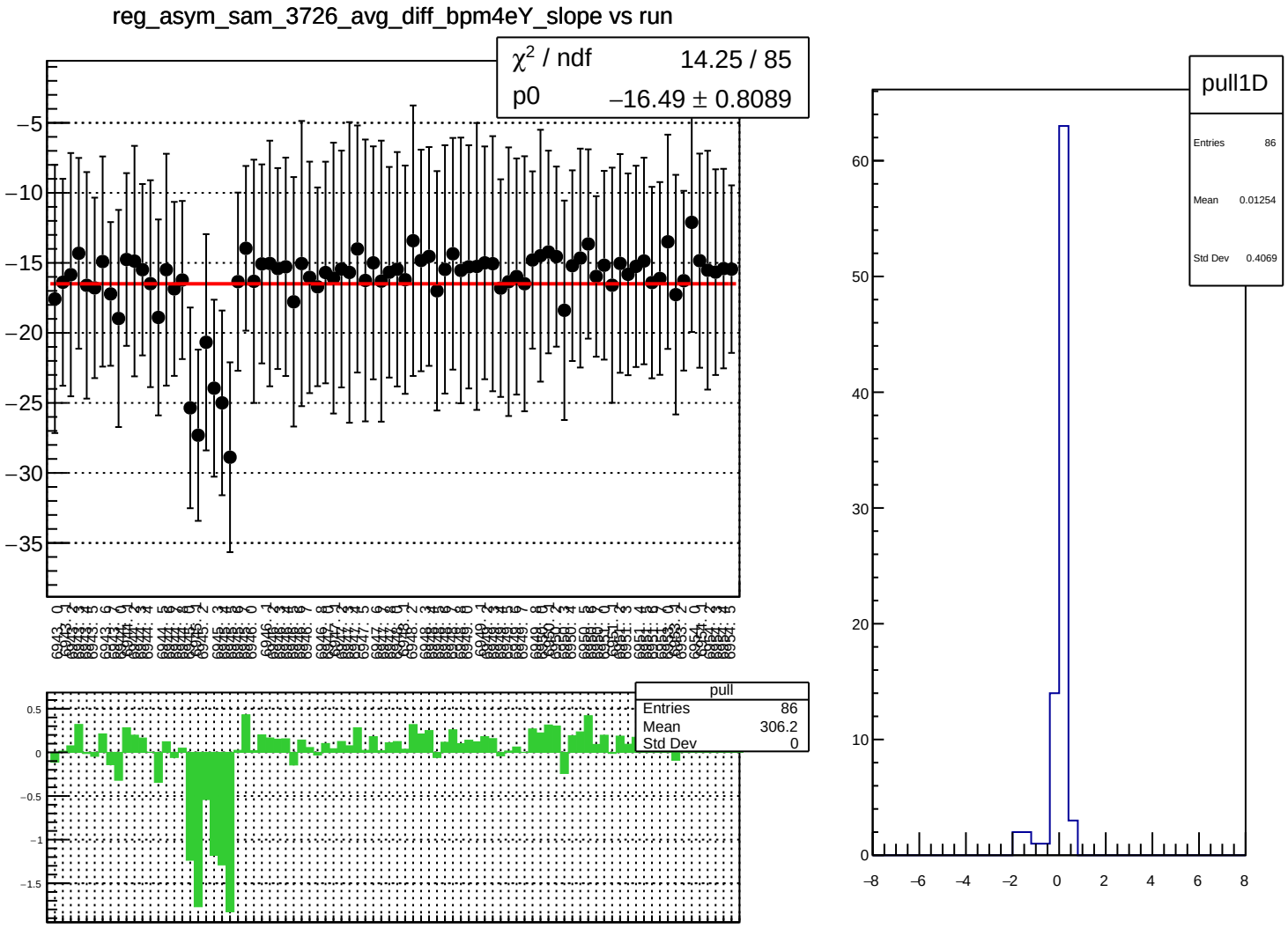

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.993 / 85
p0 0.2959 ± 0.01502
pull
Entries 86
Mean −549.9
Std Dev 0
pull1D
Entries 86
Mean −0.003494
Std Dev 0.264

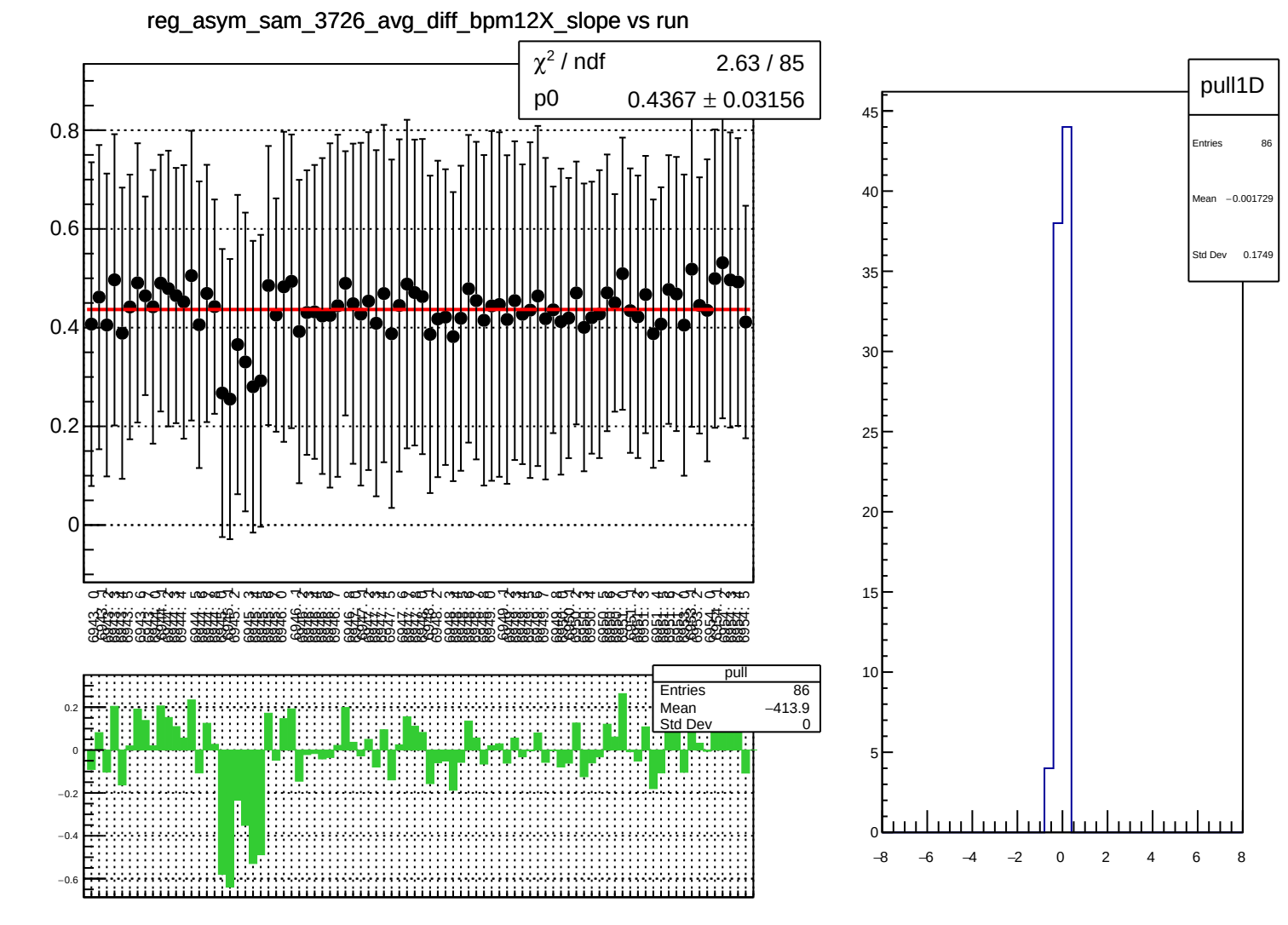

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 30.78 / 85
p0 −14.68 ± 1.015
pull
Entries 86
Mean 49.01
Std Dev 17.74

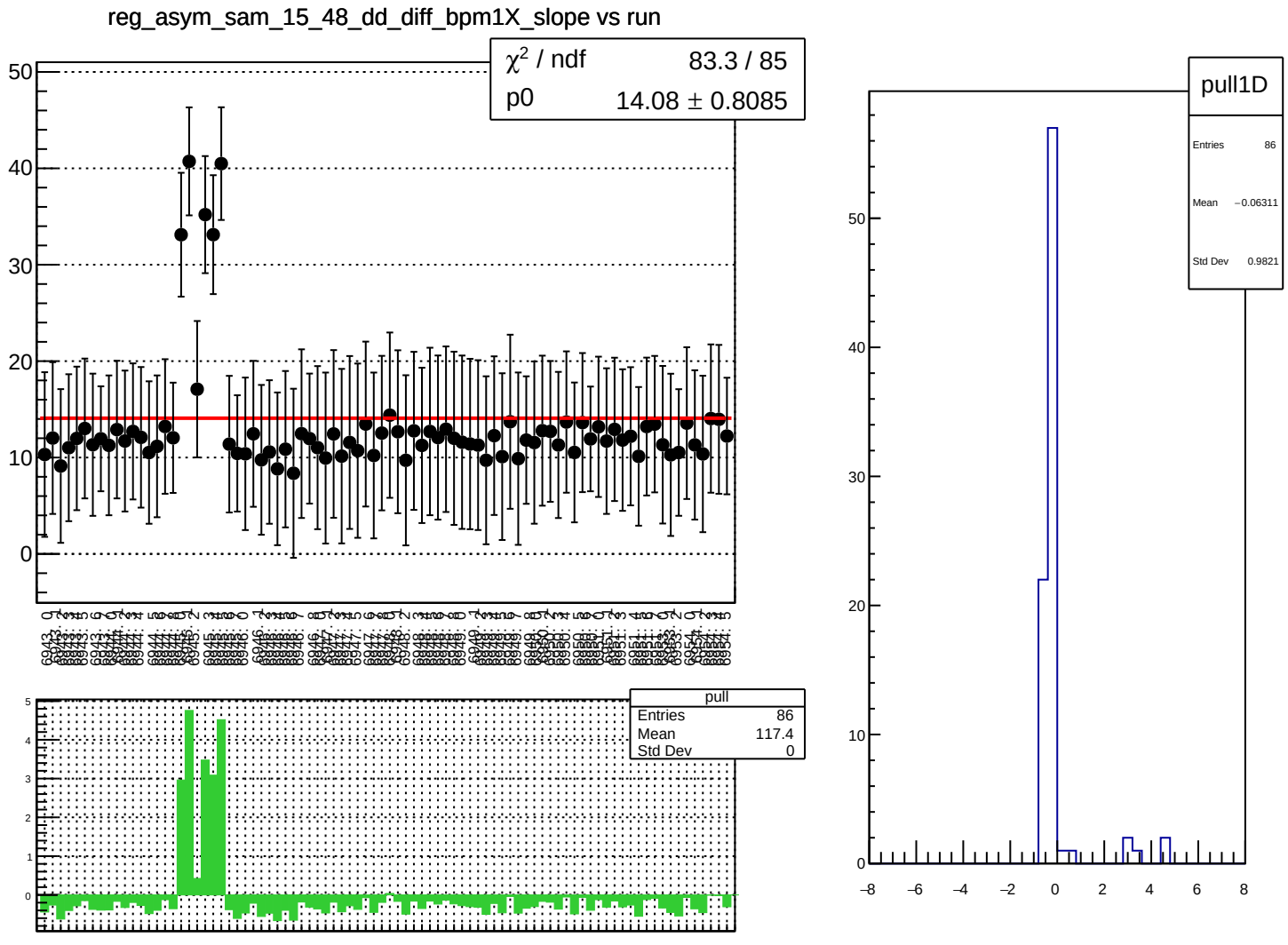

pull1D
Entries 86
Mean 0.04816
Std Dev 0.5964

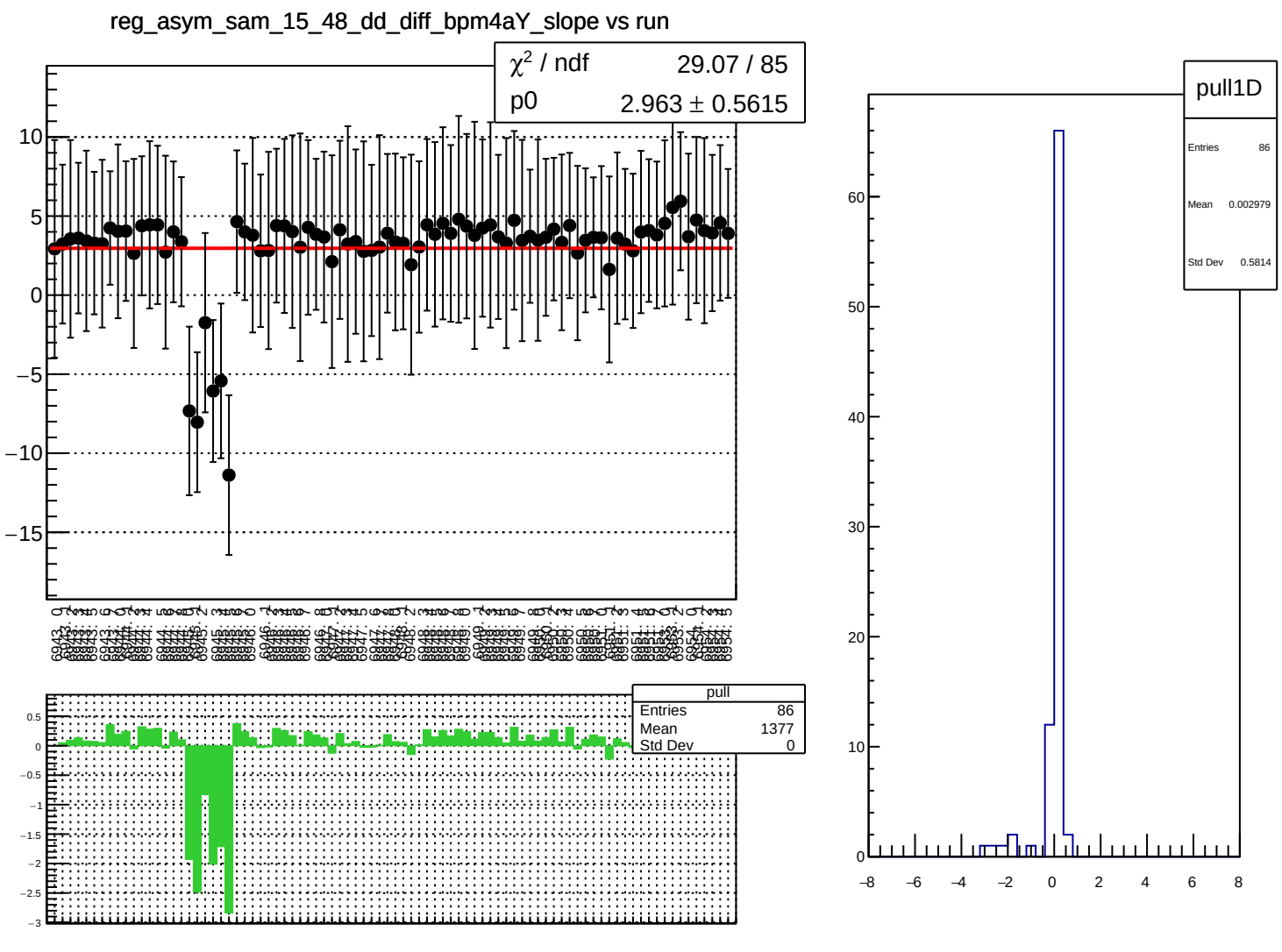

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.96 / 85
p0 2.932 ± 0.7038
pull
Entries 86
Mean 291.7
Std Dev 0
pull1D
Entries 86
Mean −0.01248
Std Dev 0.388

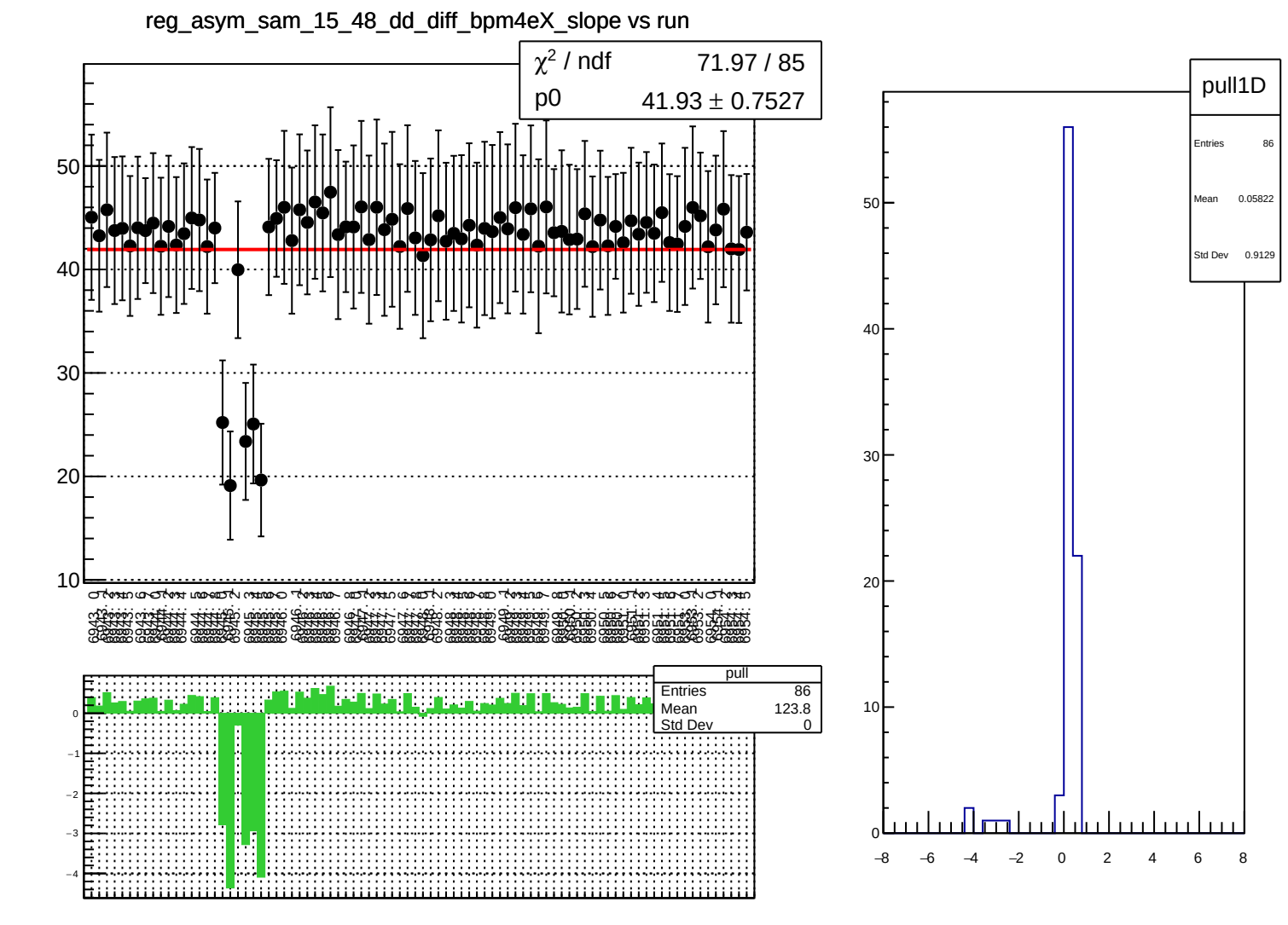

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.02 / 85
p0 −60.51 ± 0.9448
−40
−50
−60
−70
−80
pull
Entries 86
Mean 67.2
Std Dev 10.54
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.04514
Std Dev 0.5791
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

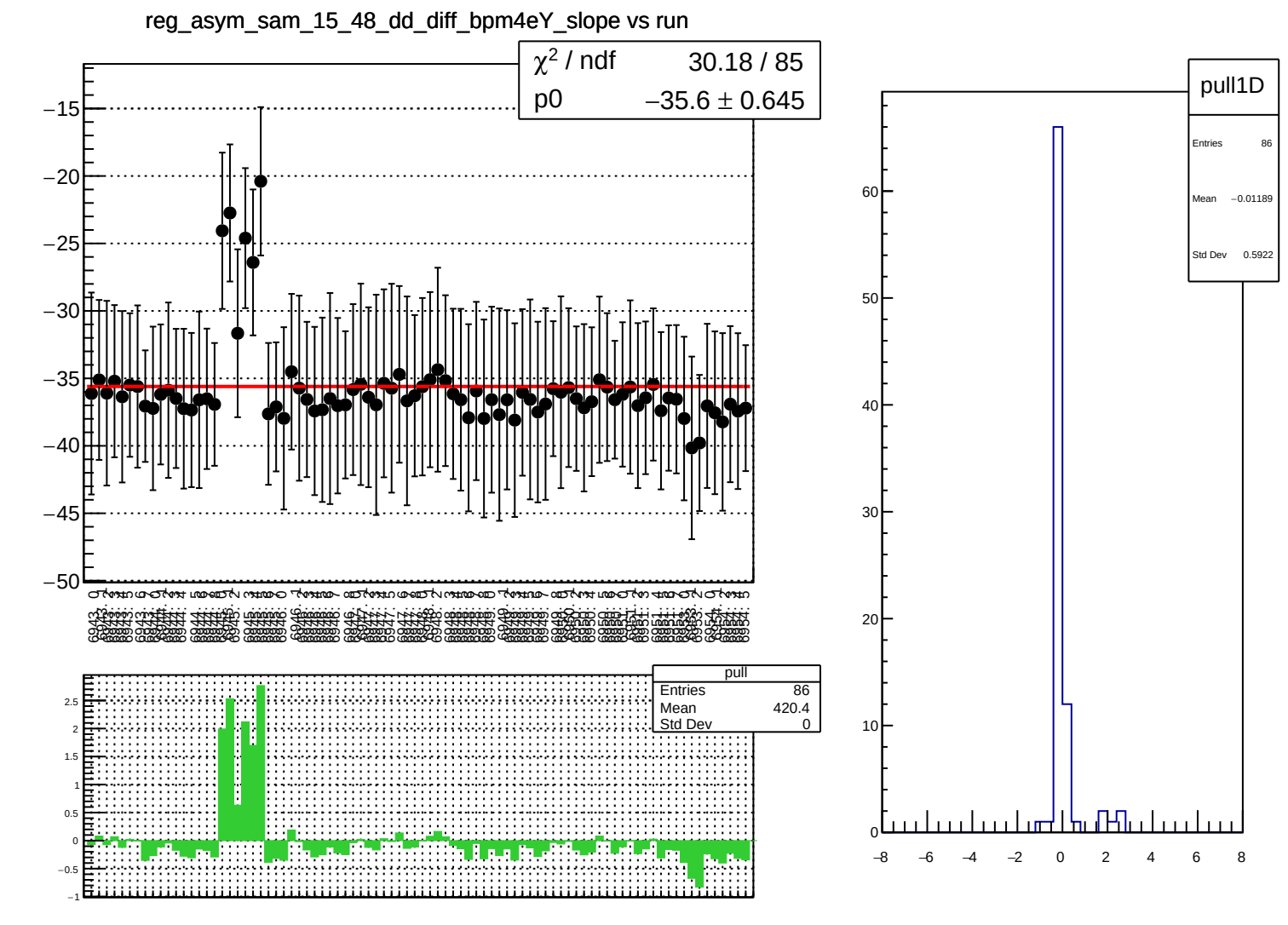

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.25 / 85
p0 −16.49 ± 0.8089
pull
Entries 86
Mean 306.2
Std Dev 0
pull1D
Entries 86
Mean 0.01254
Std Dev 0.4069

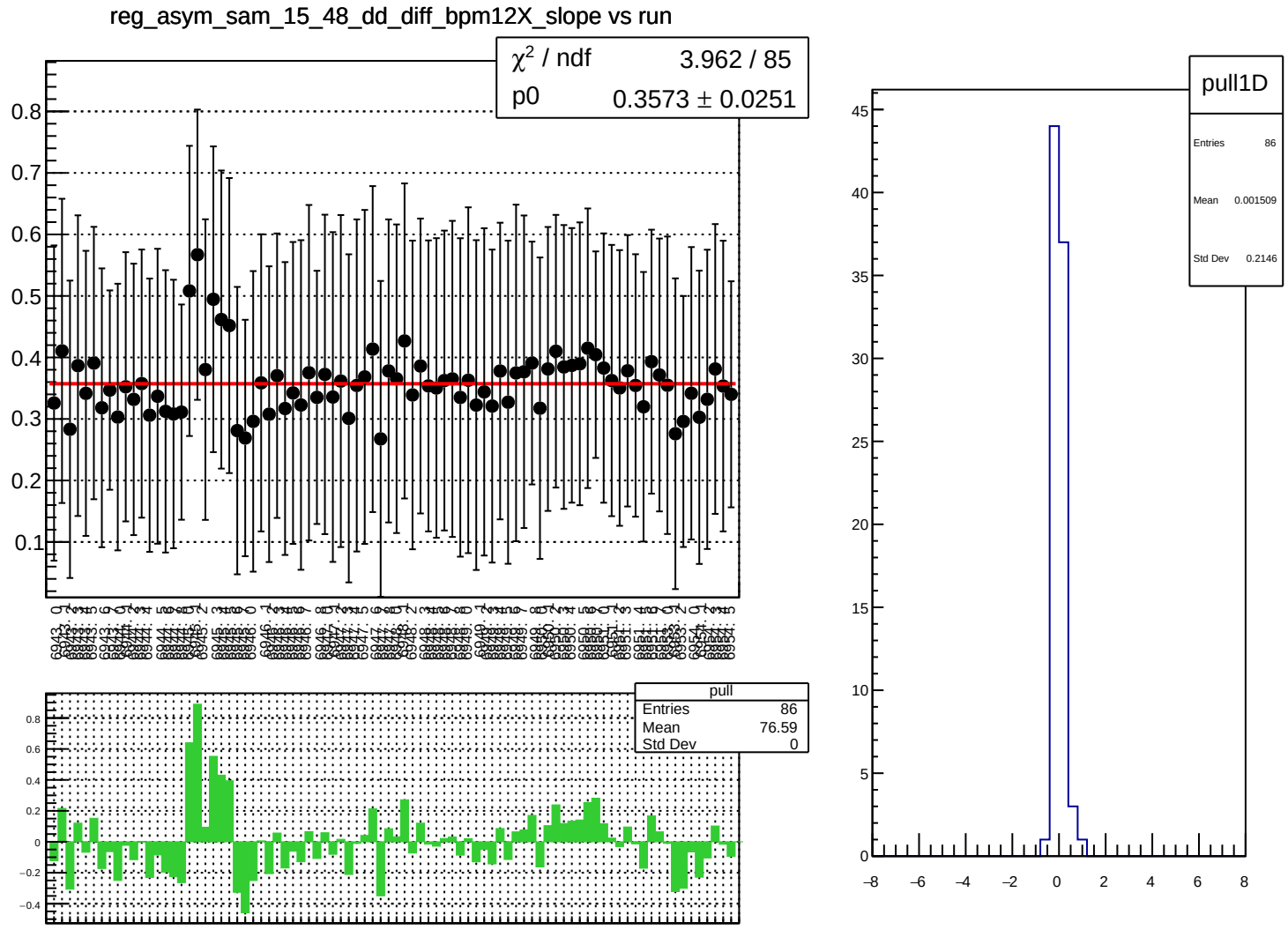

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.63 / 85
p0 0.4367 ± 0.03156
pull
Entries 86
Mean −413.9
Std Dev 0
pull1D
Entries 86
Mean −0.001729
Std Dev 0.1749

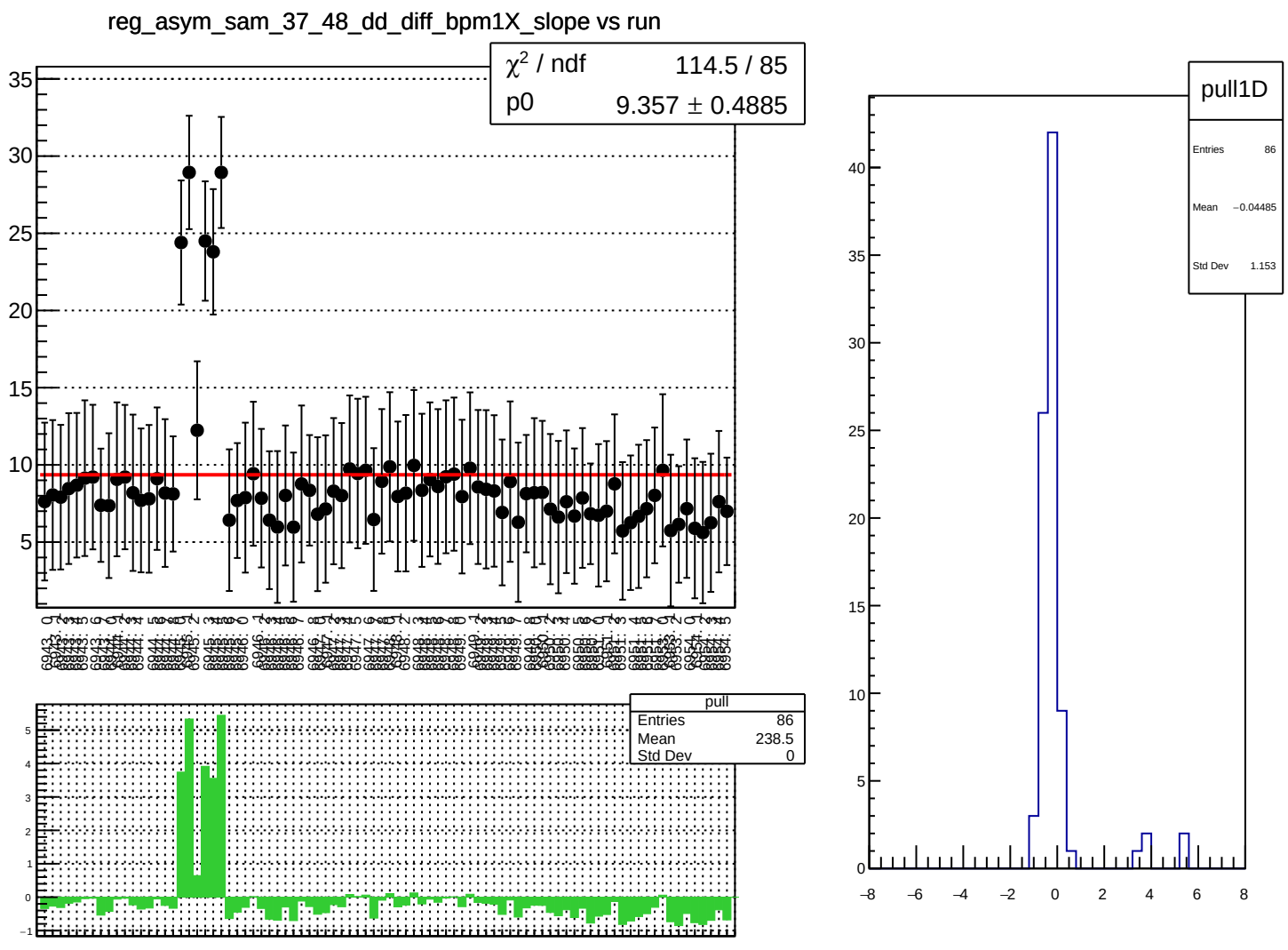

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 83.3 / 85
p0 14.08 ± 0.8085
pull
Entries 86
Mean 117.4
Std Dev 0
pull1D
Entries 86
Mean −0.06311
Std Dev 0.9821

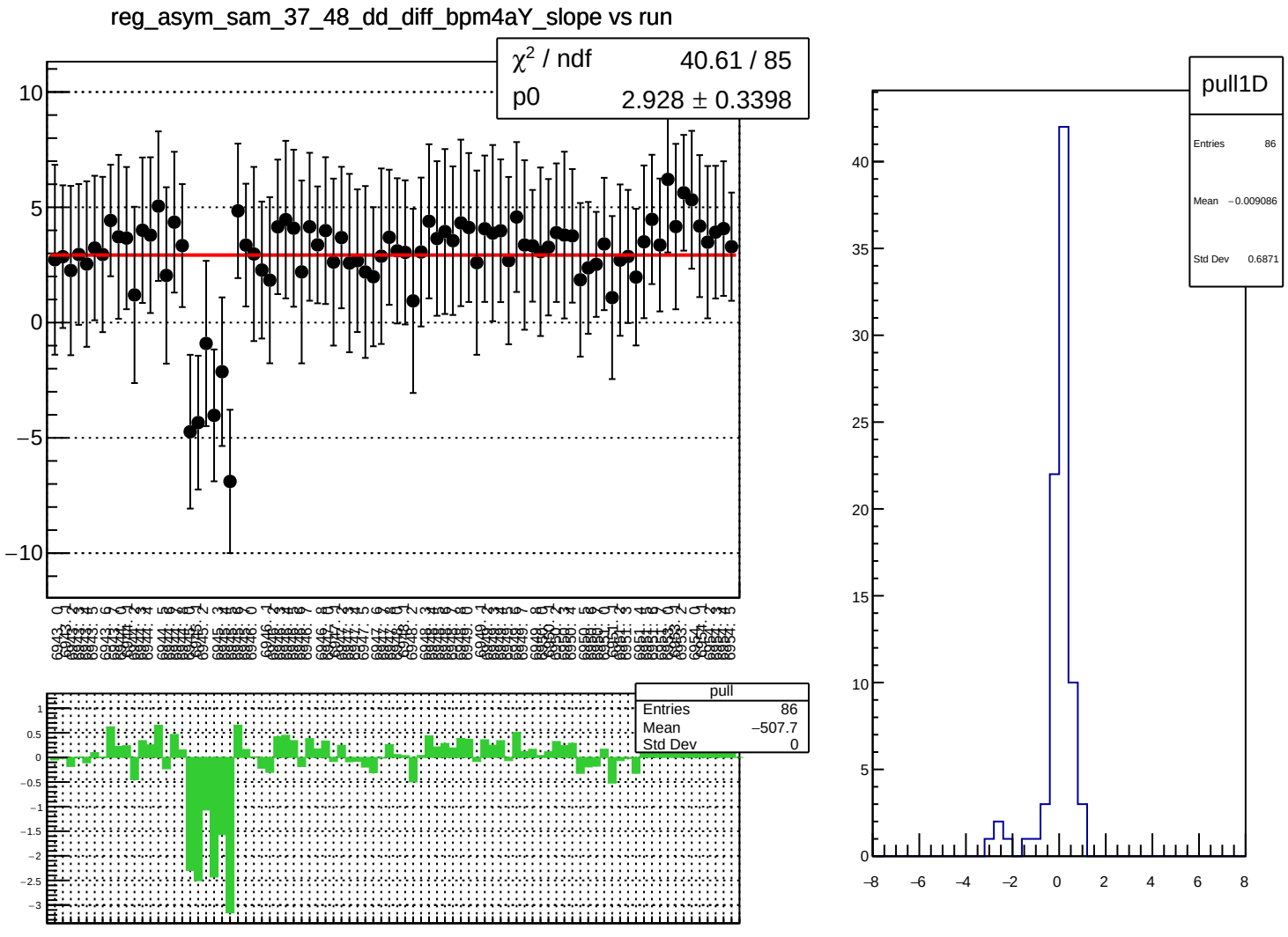

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.07 / 85
p0 2.963 ± 0.5615
pull
Entries 86
Mean 1377
Std Dev 0
pull1D
Entries 86
Mean 0.002979
Std Dev 0.5814

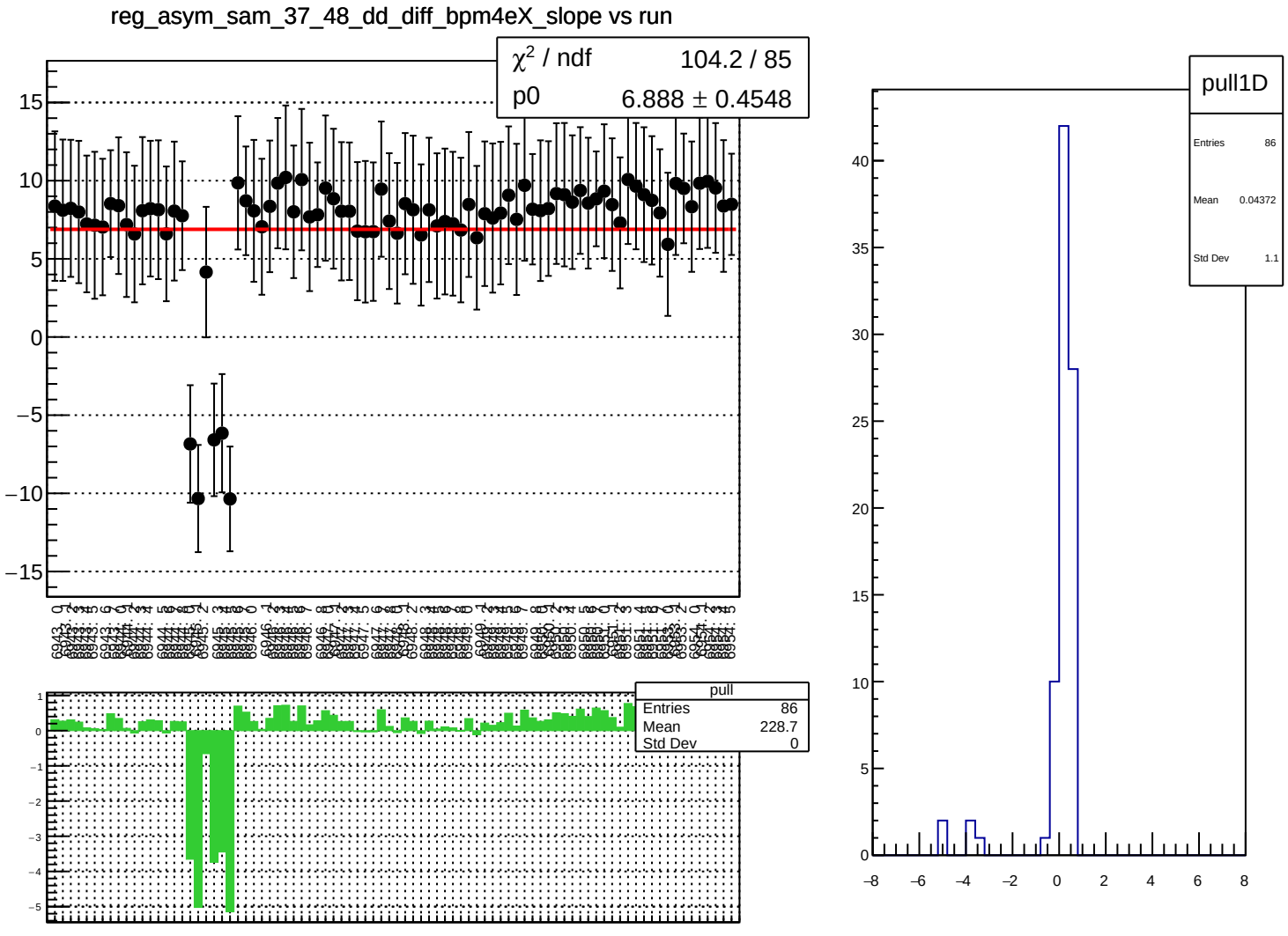

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.97 / 85
p0 41.93 ± 0.7527
pull
Entries 86
Mean 123.8
Std Dev 0
pull1D
Entries 86
Mean 0.05822
Std Dev 0.9129

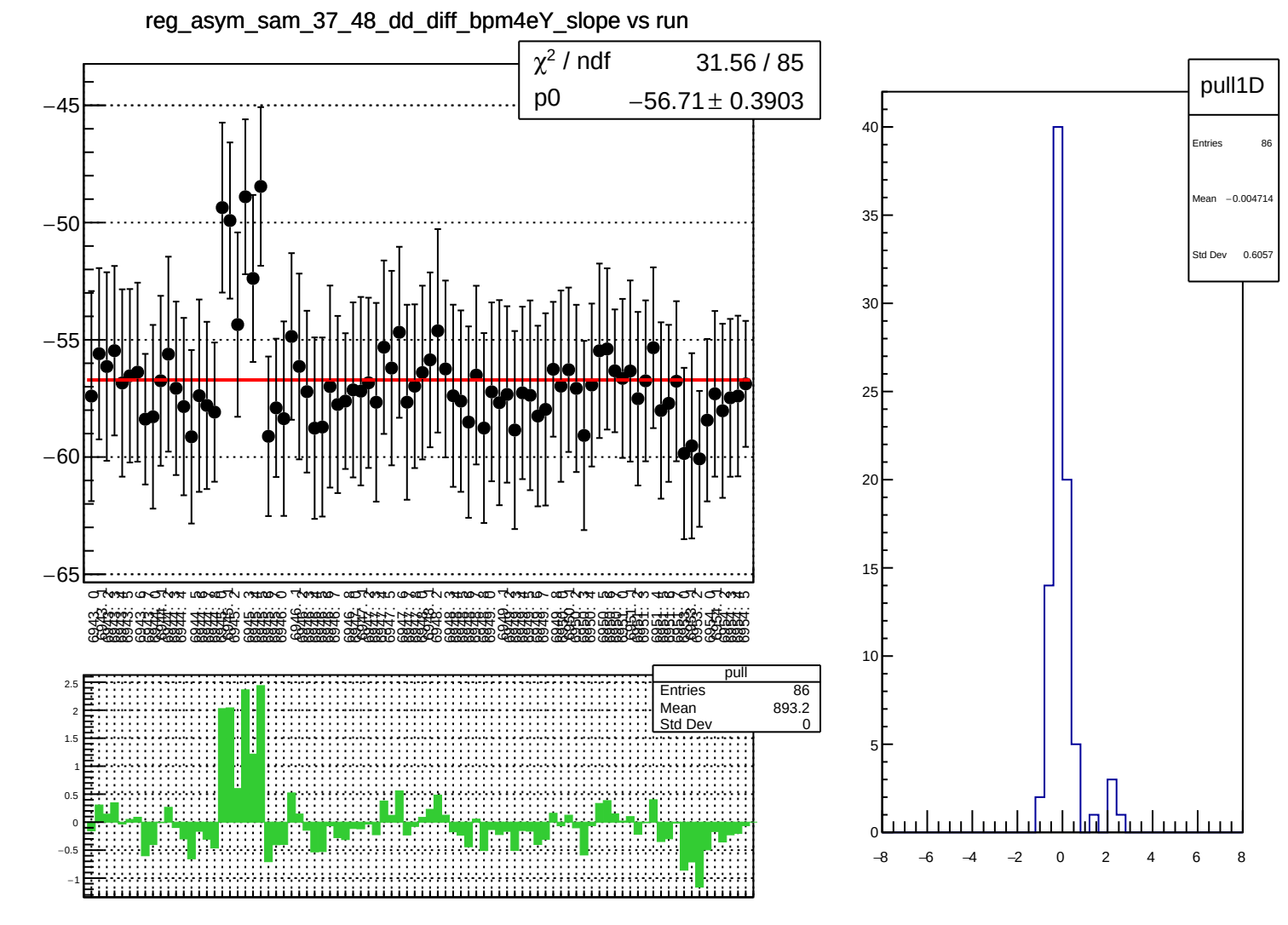

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.18 / 85
p0 −35.6 ± 0.645
pull
Entries 86
Mean 420.4
Std Dev 0
pull1D
Entries 86
Mean −0.01189
Std Dev 0.5922

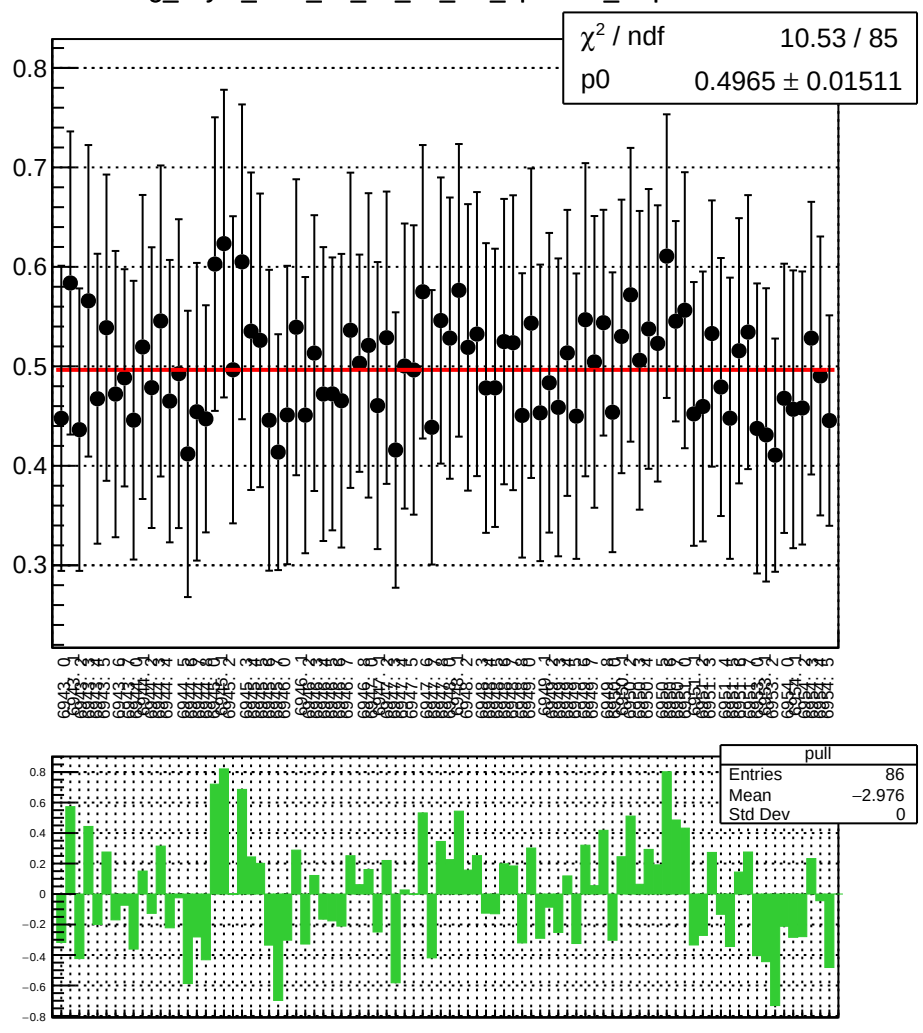

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.962 / 85
p0 0.3573 ± 0.0251
pull
Entries 86
Mean 76.59
Std Dev 0
pull1D
Entries 86
Mean 0.001509
Std Dev 0.2146

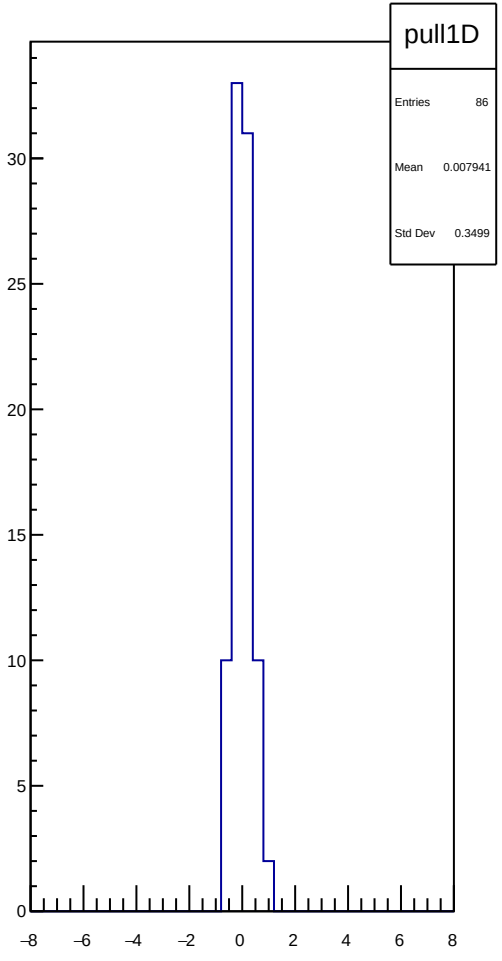

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 114.5 / 85
p0 9.357 ± 0.4885
pull
Entries 86
Mean 238.5
Std Dev 0
pull1D
Entries 86
Mean −0.04485
Std Dev 1.153

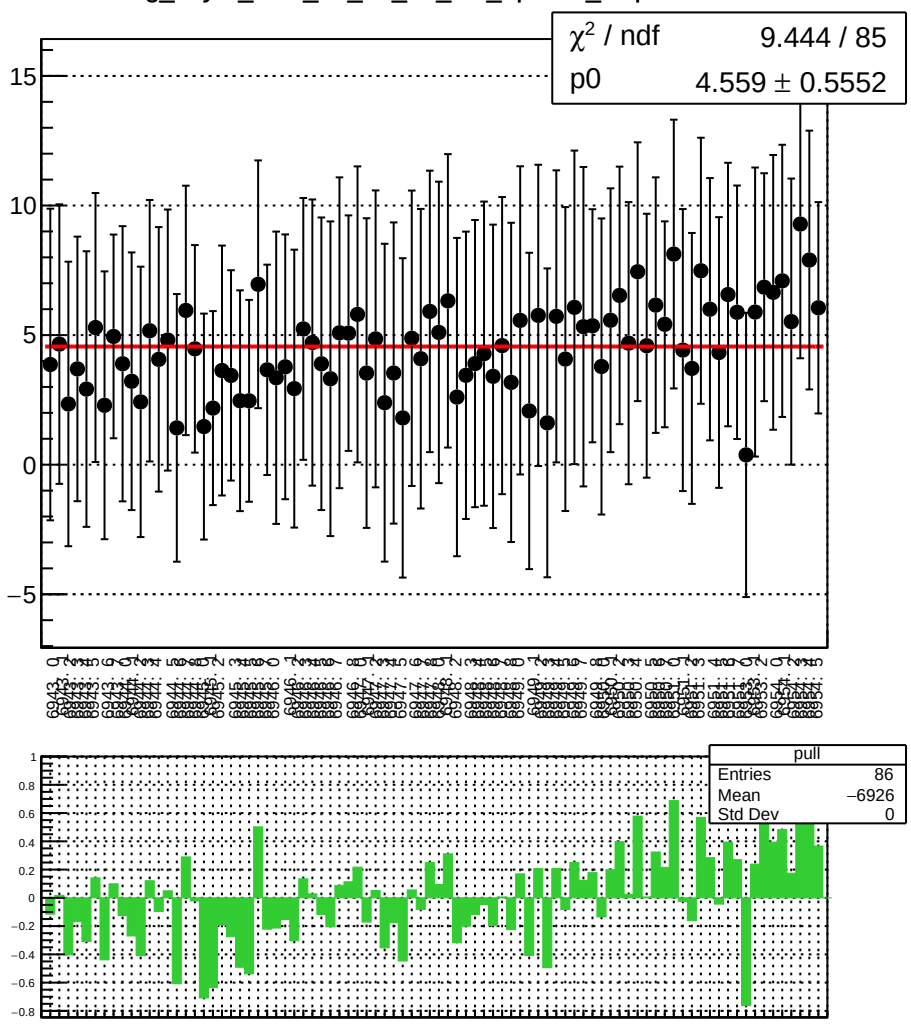

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.61 / 85
p0 2.928 ± 0.3398
pull
Entries 86
Mean −507.7
Std Dev 0
pull1D
Entries 86
Mean −0.009086
Std Dev 0.6871

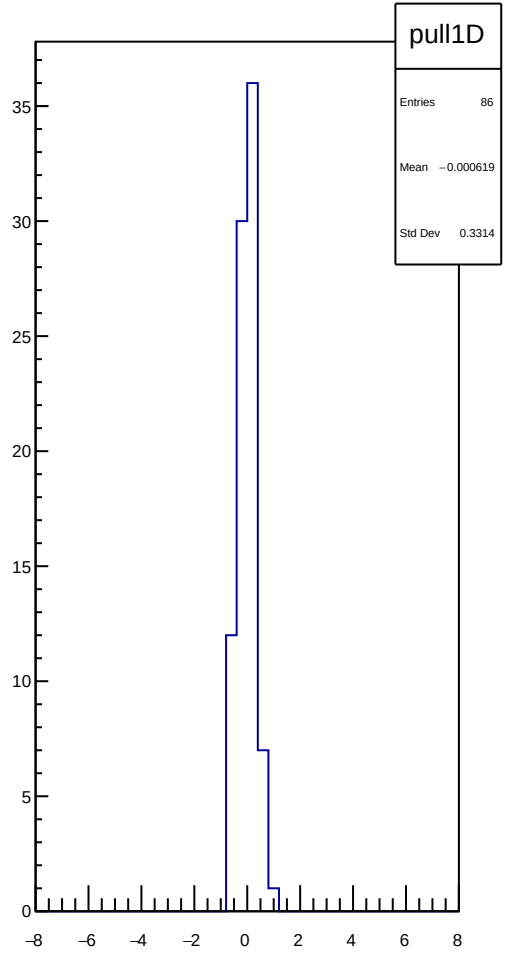

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.2 / 85
p0 6.888 ± 0.4548
pull
Entries 86
Mean 228.7
Std Dev 0
pull1D
Entries 86
Mean 0.04372
Std Dev 1.1

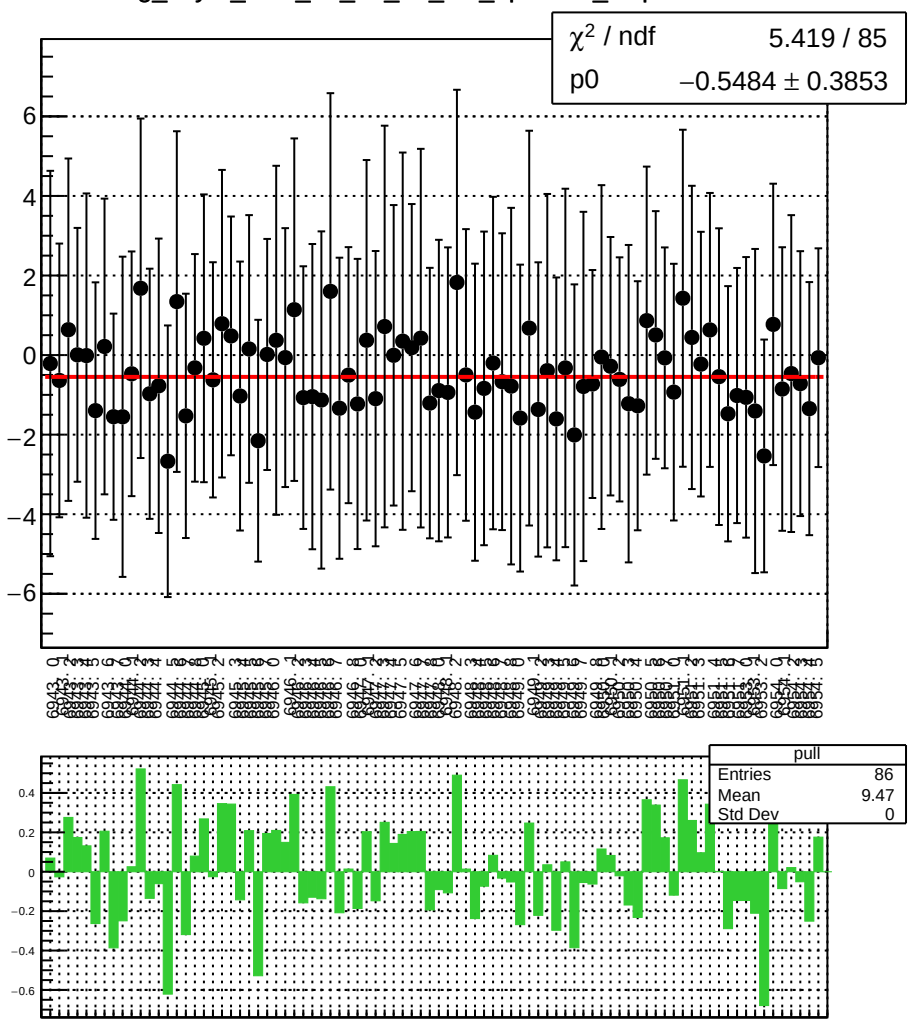

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.56 / 85
p0 −56.71 ± 0.3903
pull
Entries 86
Mean 893.2
Std Dev 0
pull1D
Entries 86
Mean −0.004714
Std Dev 0.6057

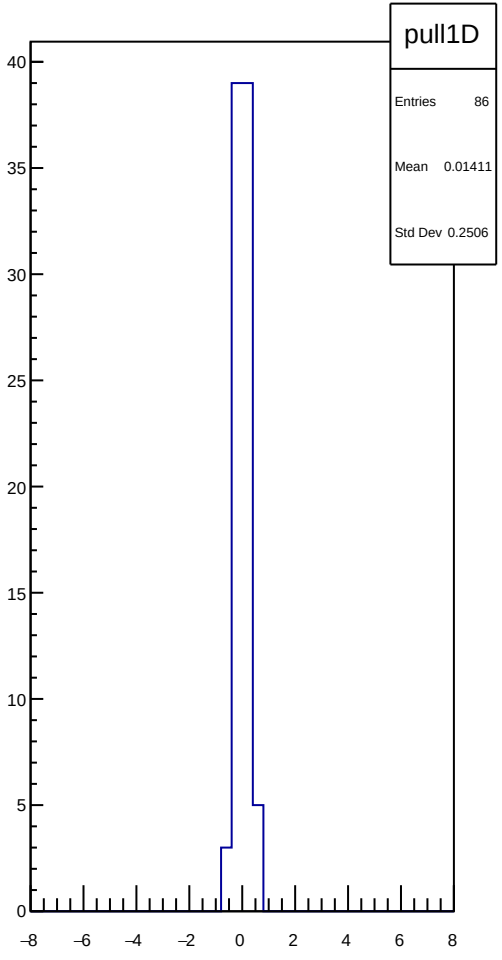

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.53 / 85
p0 0.4965 ± 0.01511
pull
Entries 86
Mean −2.976
Std Dev 0

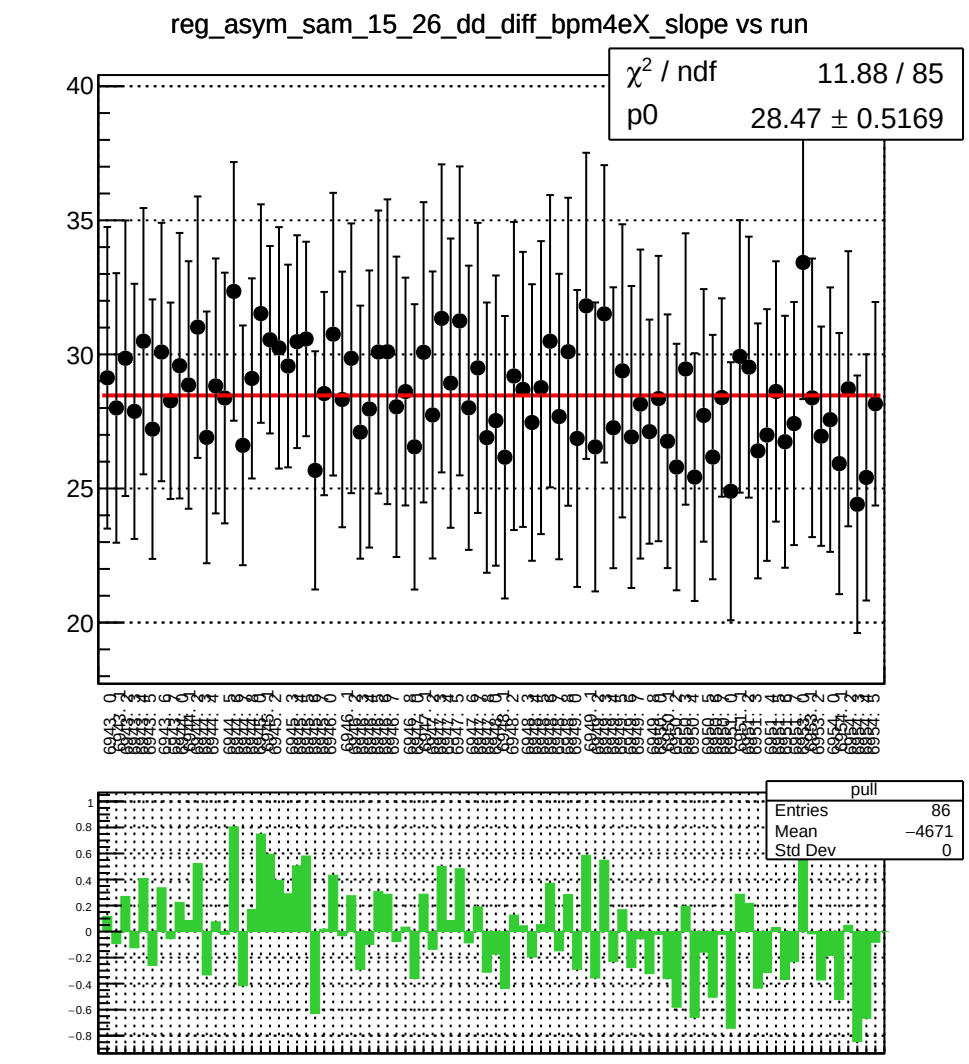

pull1D
Entries 86
Mean 0.007941
Std Dev 0.3499

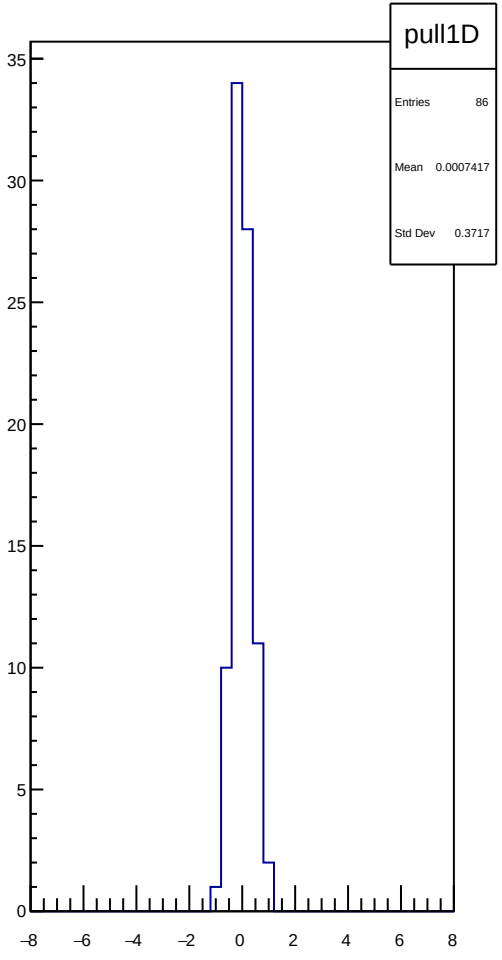

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.444 / 85
p0 4.559 ± 0.5552
pull
Entries 86
Mean −6926
Std Dev 0

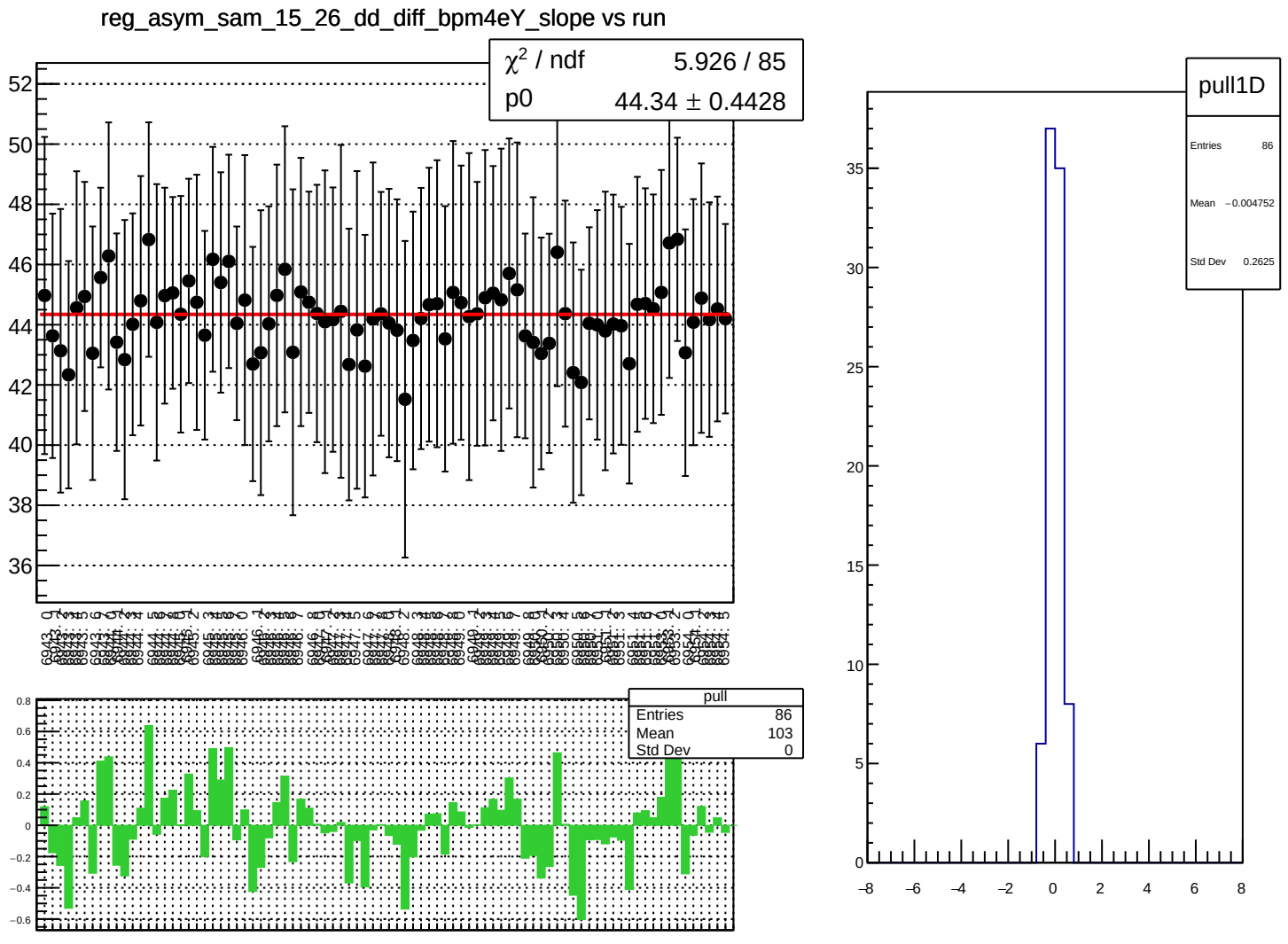

pull1D
Entries 86
Mean −0.000619
Std Dev 0.3314

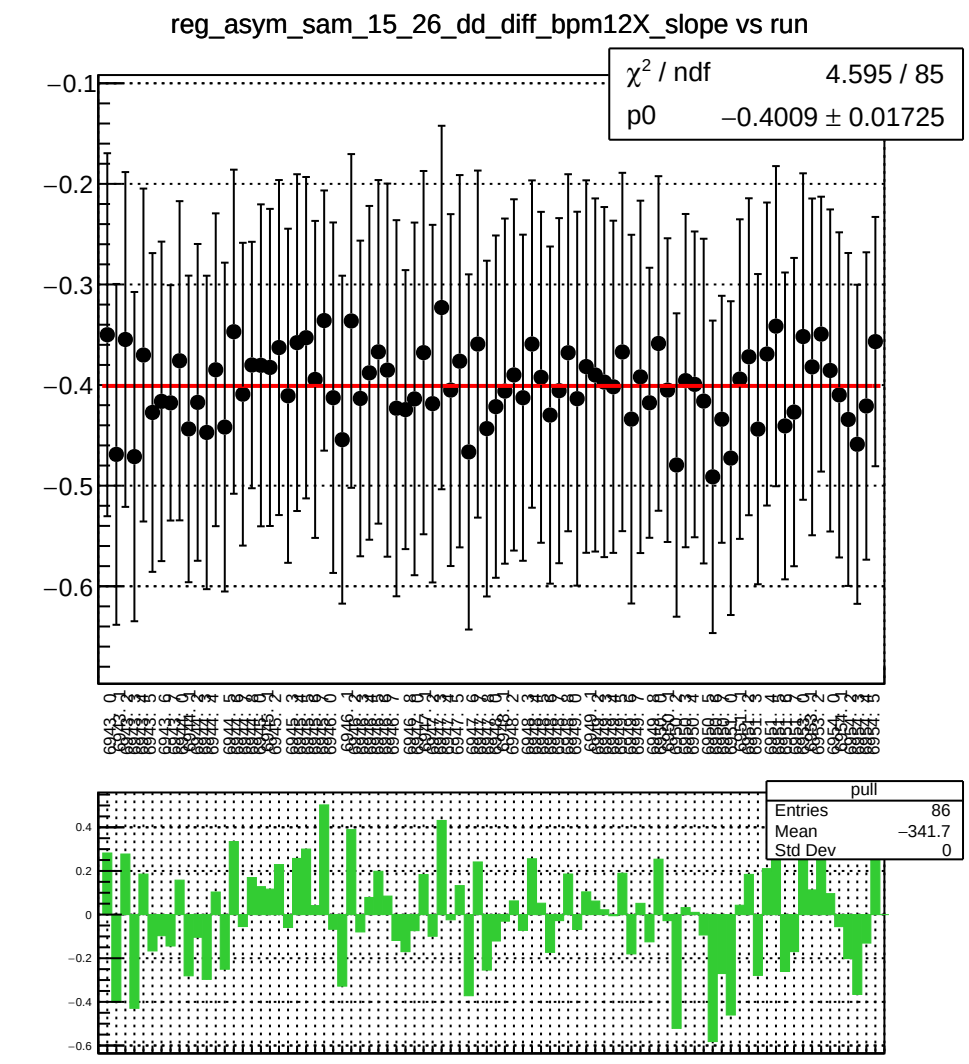

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.419 / 85
p0 −0.5484 ± 0.3853
pull
Entries 86
Mean 9.47
Std Dev 0

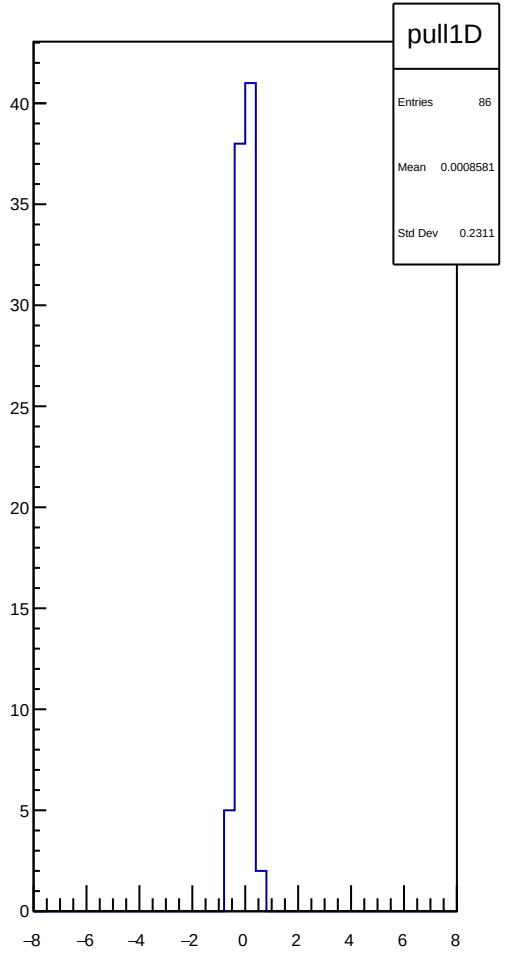

pull1D
Entries 86
Mean 0.01411
Std Dev 0.2506

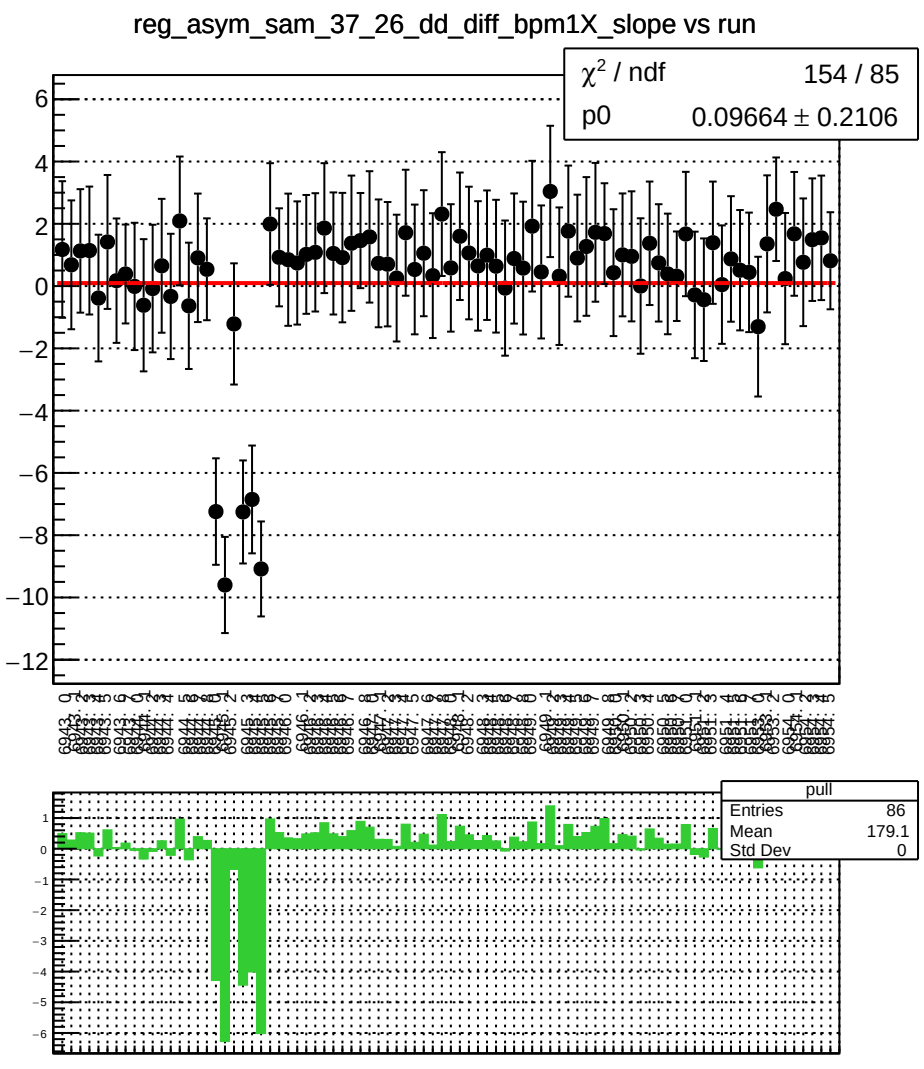

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.88 / 85
p0 28.47 ± 0.5169
pull
Entries 86
Mean −4671
Std Dev 0

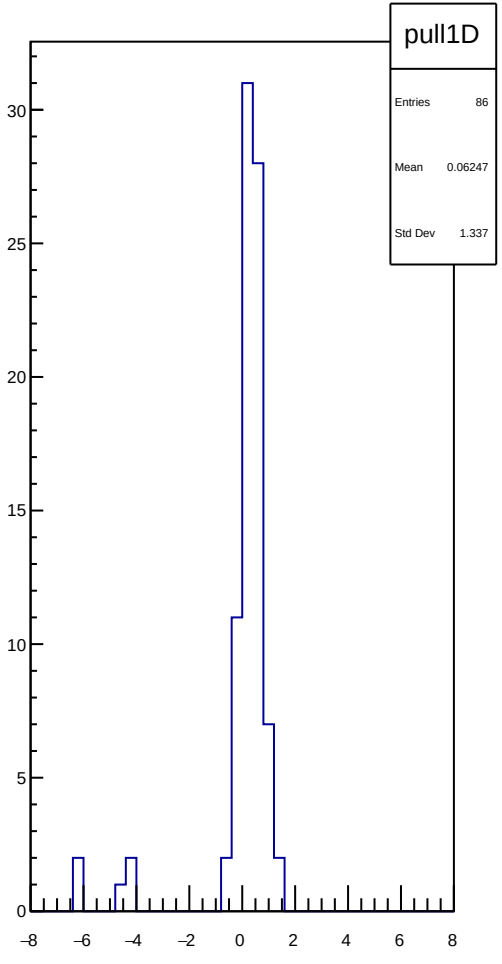

pull1D
Entries 86
Mean 0.0007417
Std Dev 0.3717

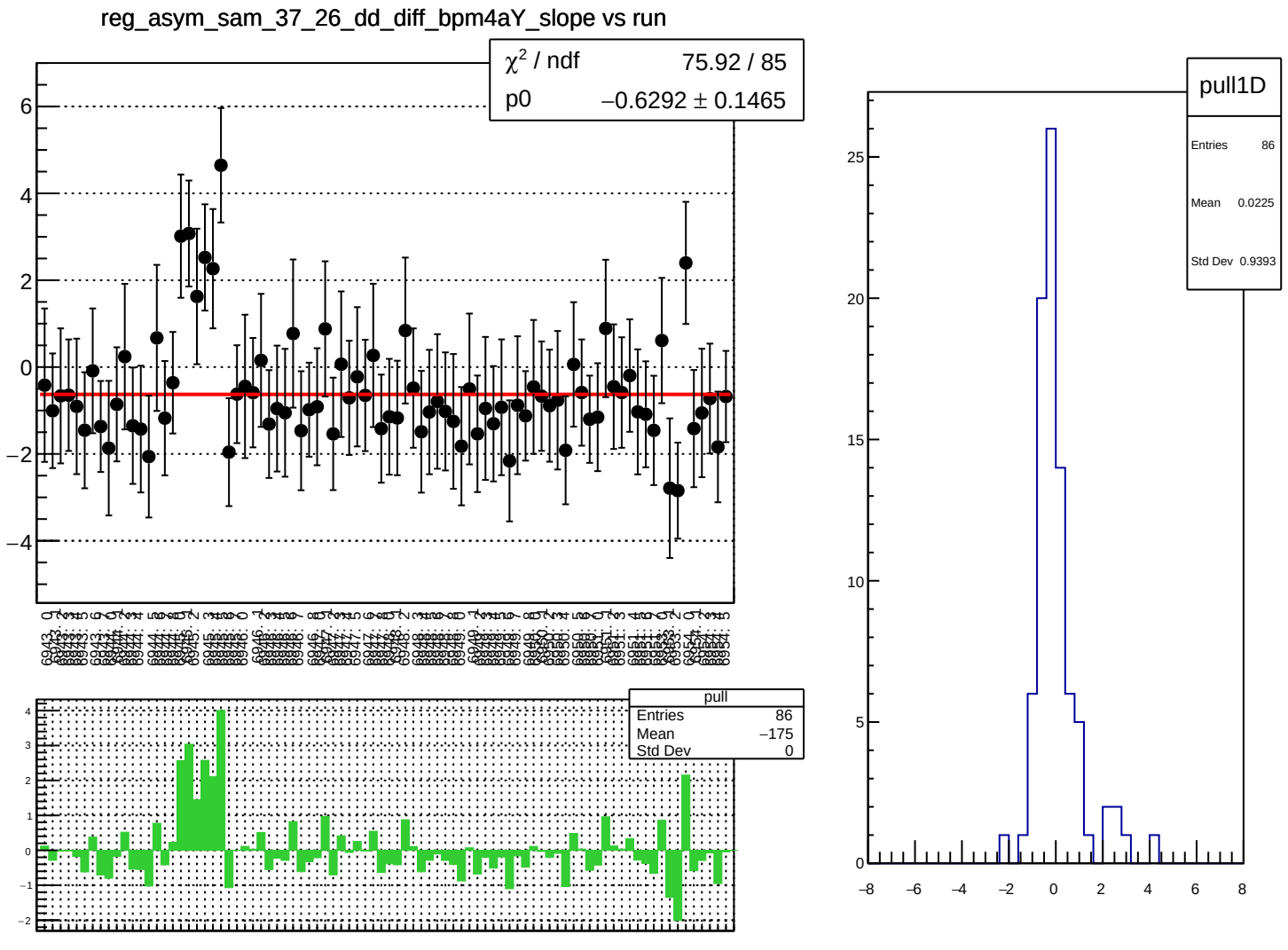

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.926 / 85
p0 44.34 ± 0.4428
pull
Entries 86
Mean 103
Std Dev 0
pull1D
Entries 86
Mean −0.004752
Std Dev 0.2625

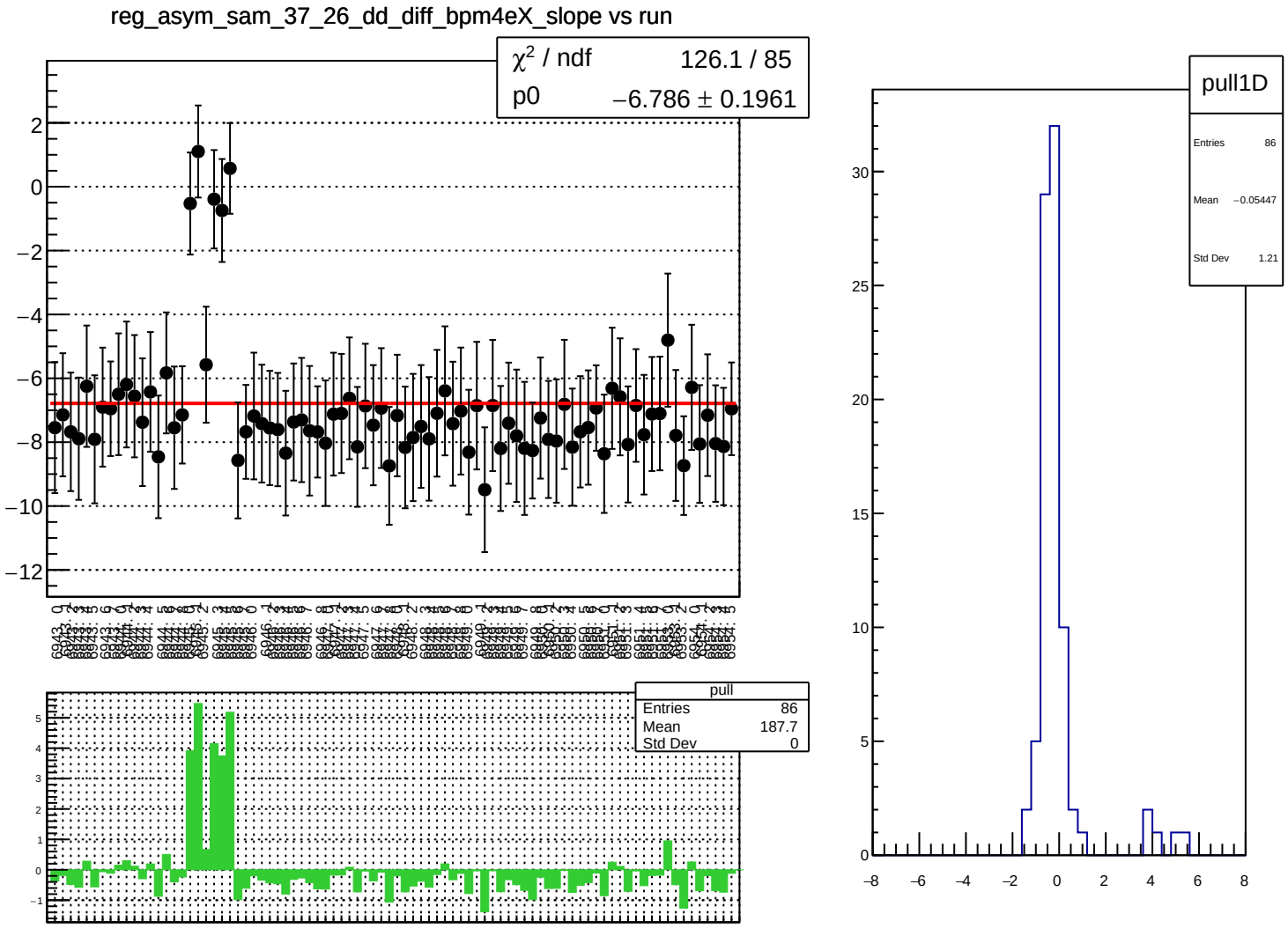

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.595 / 85
p0 −0.4009 ± 0.01725
pull
Entries 86
Mean −341.7
Std Dev 0

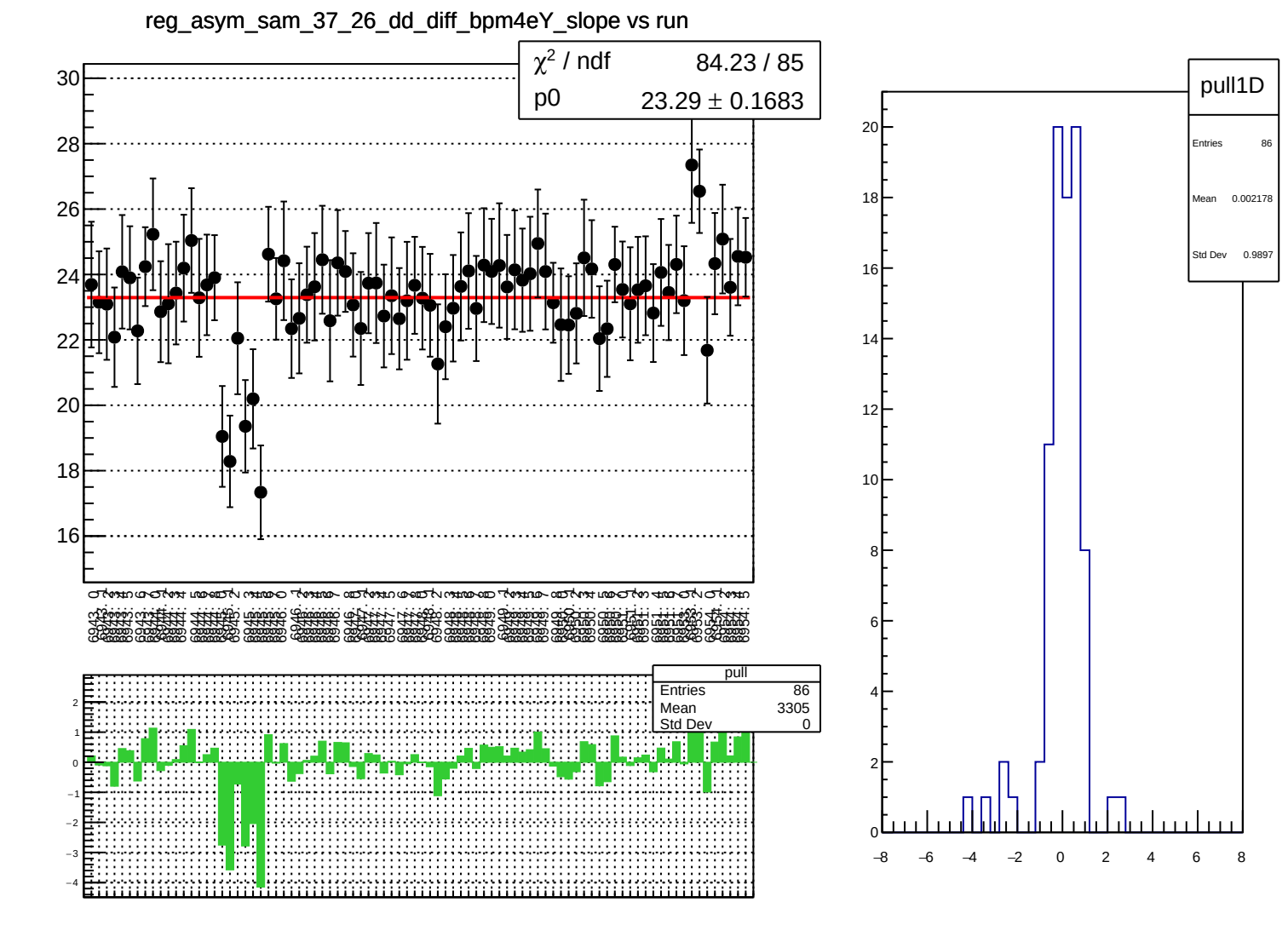

pull1D
Entries 86
Mean 0.0008581
Std Dev 0.2311

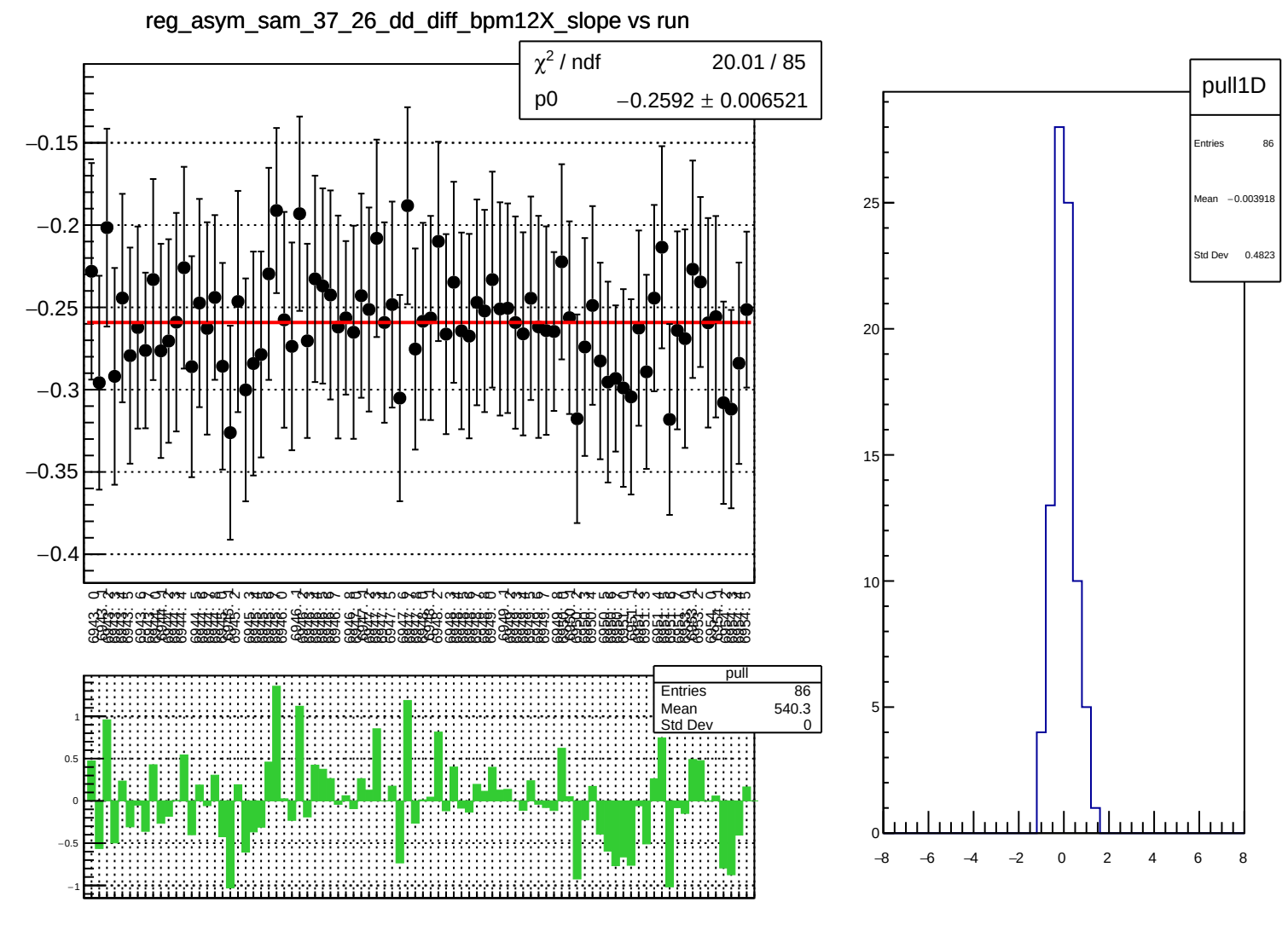

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 154 / 85
p0 0.09664 ± 0.2106
pull
Entries 86
Mean 179.1
Std Dev 0

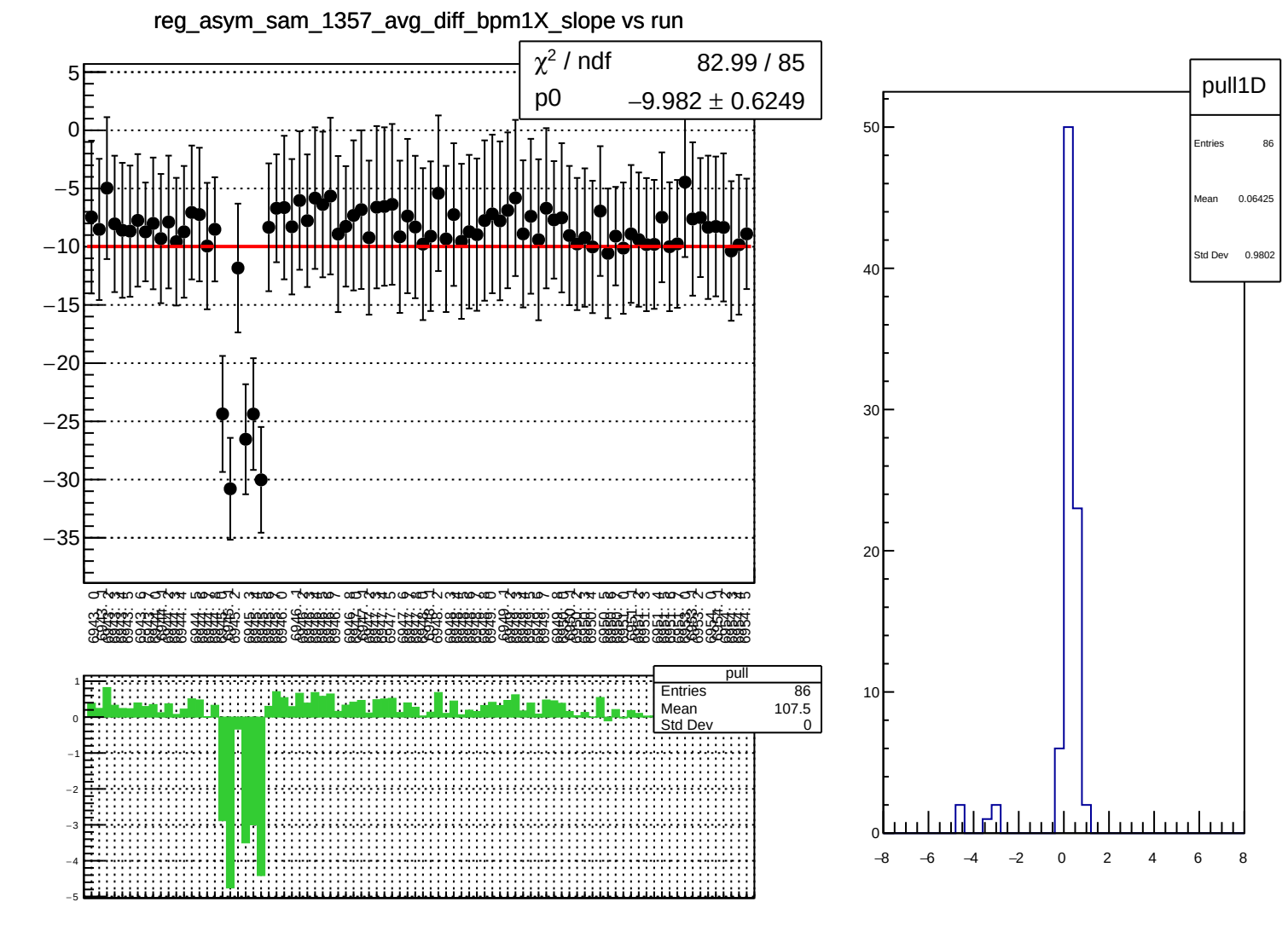

pull1D
Entries 86
Mean 0.06247
Std Dev 1.337

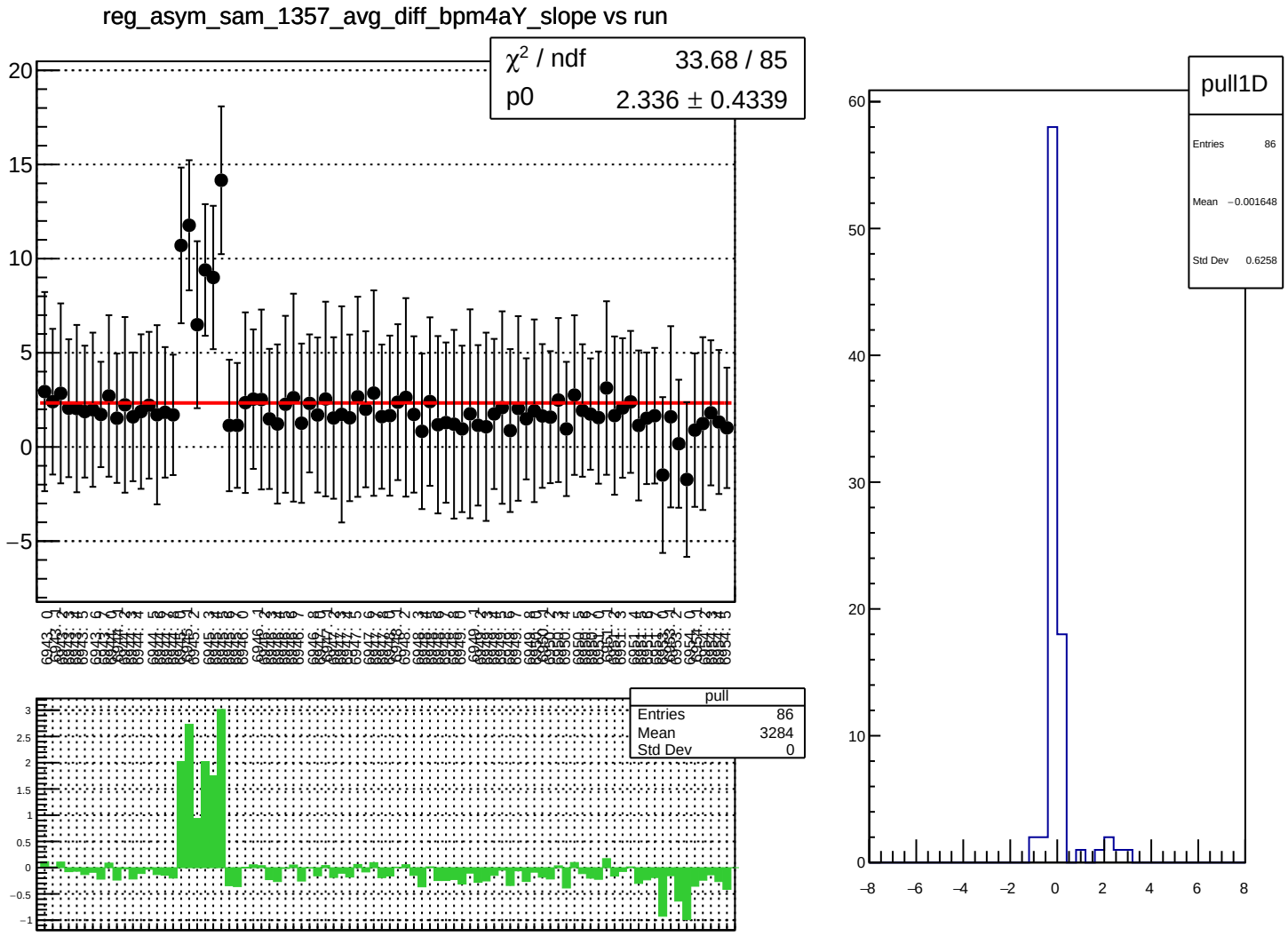

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.92 / 85
p0 −0.6292 ± 0.1465
pull
Entries 86
Mean −175
Std Dev 0
pull1D
Entries 86
Mean 0.0225
Std Dev 0.9393

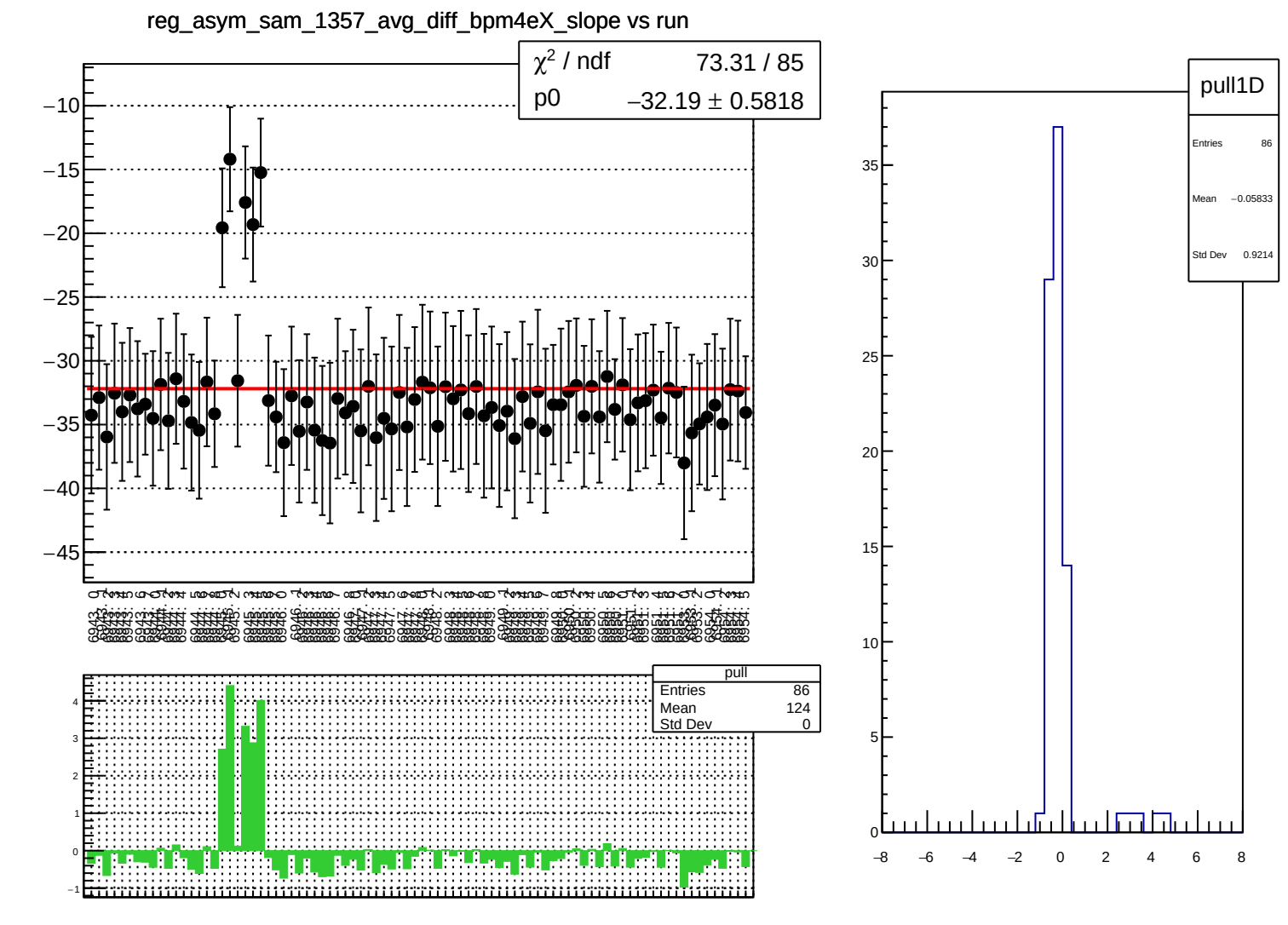

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 126.1 / 85
p0 −6.786 ± 0.1961
pull
Entries 86
Mean 187.7
Std Dev 0
pull1D
Entries 86
Mean −0.05447
Std Dev 1.21

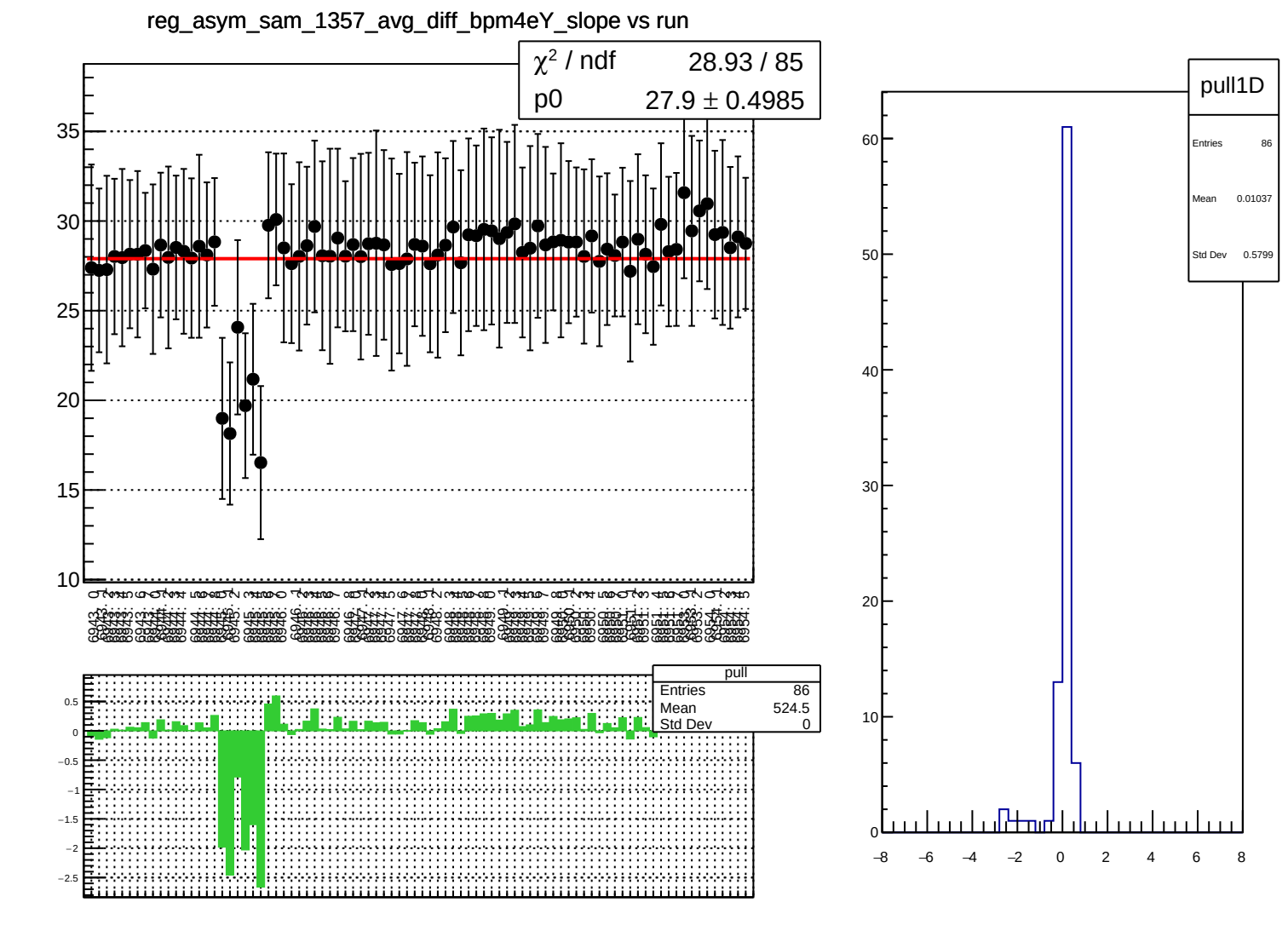

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.23 / 85
p0 23.29 ± 0.1683
pull
Entries 86
Mean 3305
Std Dev 0
pull1D
Entries 86
Mean 0.002178
Std Dev 0.9897

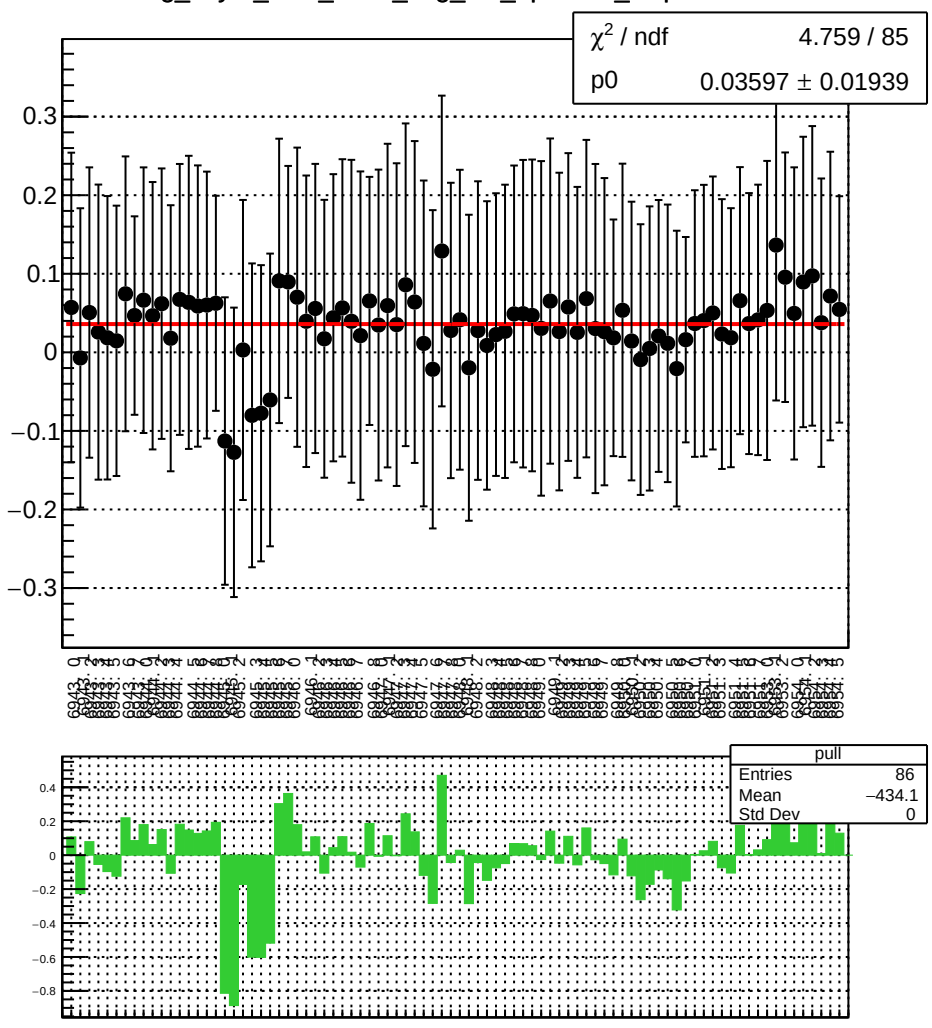

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 20.01 / 85
p0 −0.2592 ± 0.006521
pull
Entries 86
Mean 540.3
Std Dev 0
pull1D
Entries 86
Mean −0.003918
Std Dev 0.4823

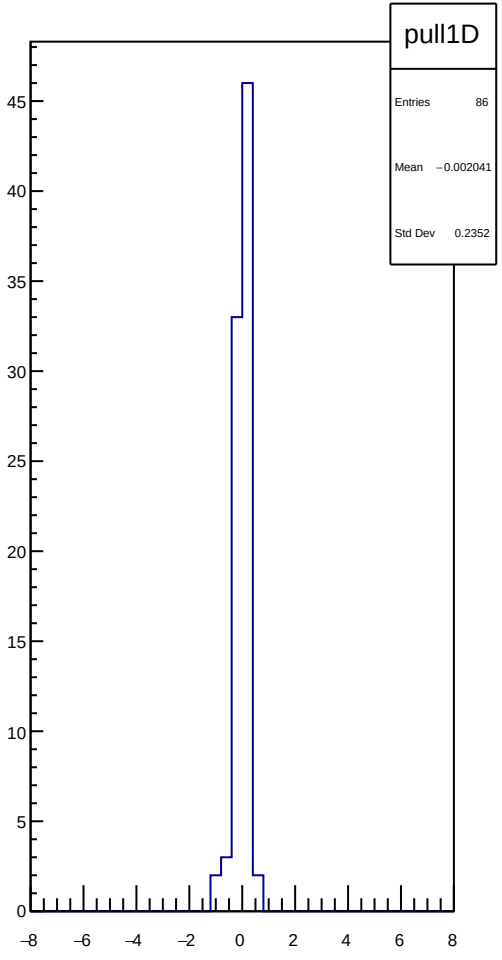

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 82.99 / 85
p0 −9.982 ± 0.6249
pull
Entries 86
Mean 107.5
Std Dev 0
pull1D
Entries 86
Mean 0.06425
Std Dev 0.9802

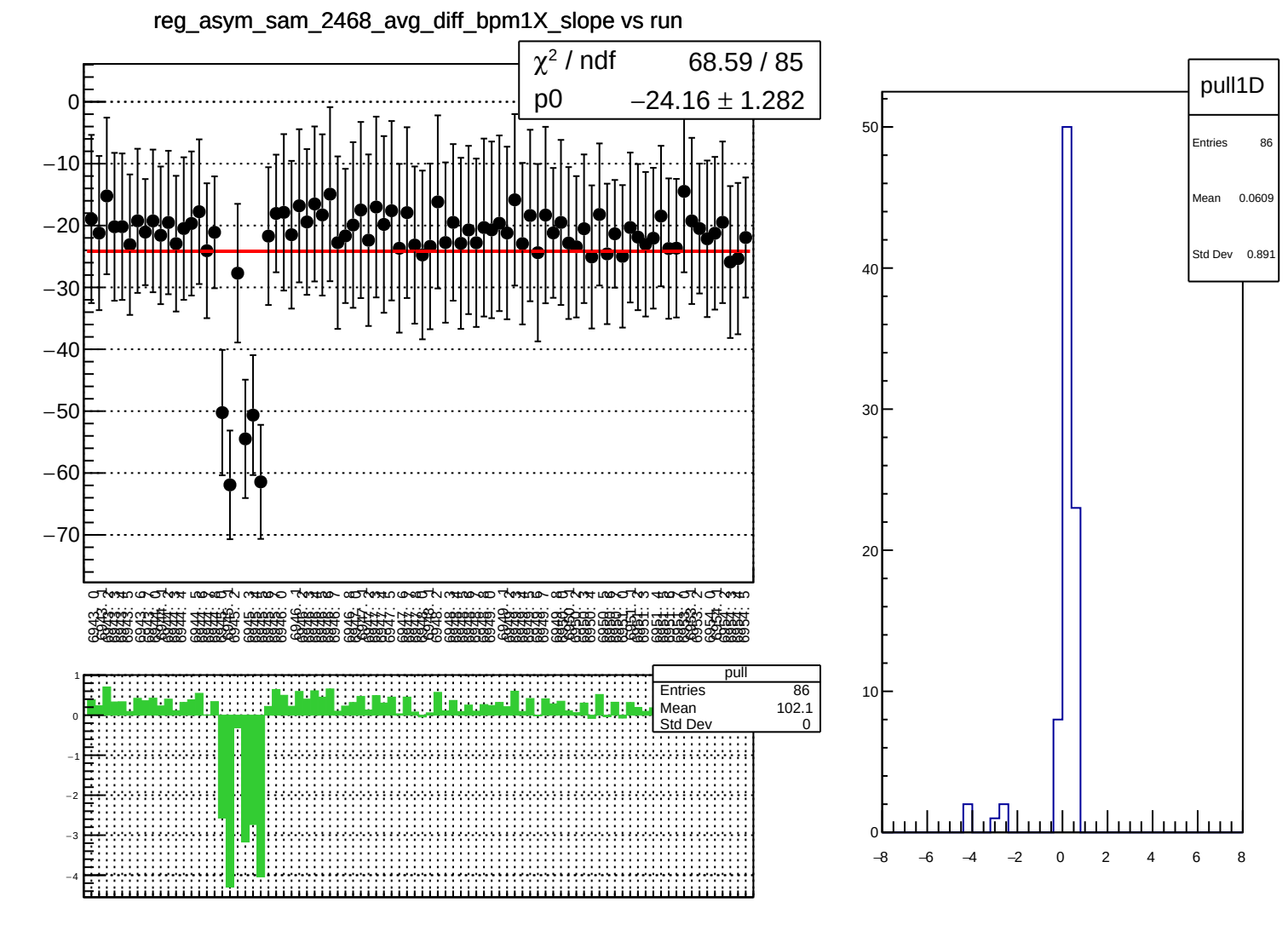

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.68 / 85
p0 2.336 ± 0.4339
pull
Entries 86
Mean 3284
Std Dev 0
pull1D
Entries 86
Mean −0.001648
Std Dev 0.6258

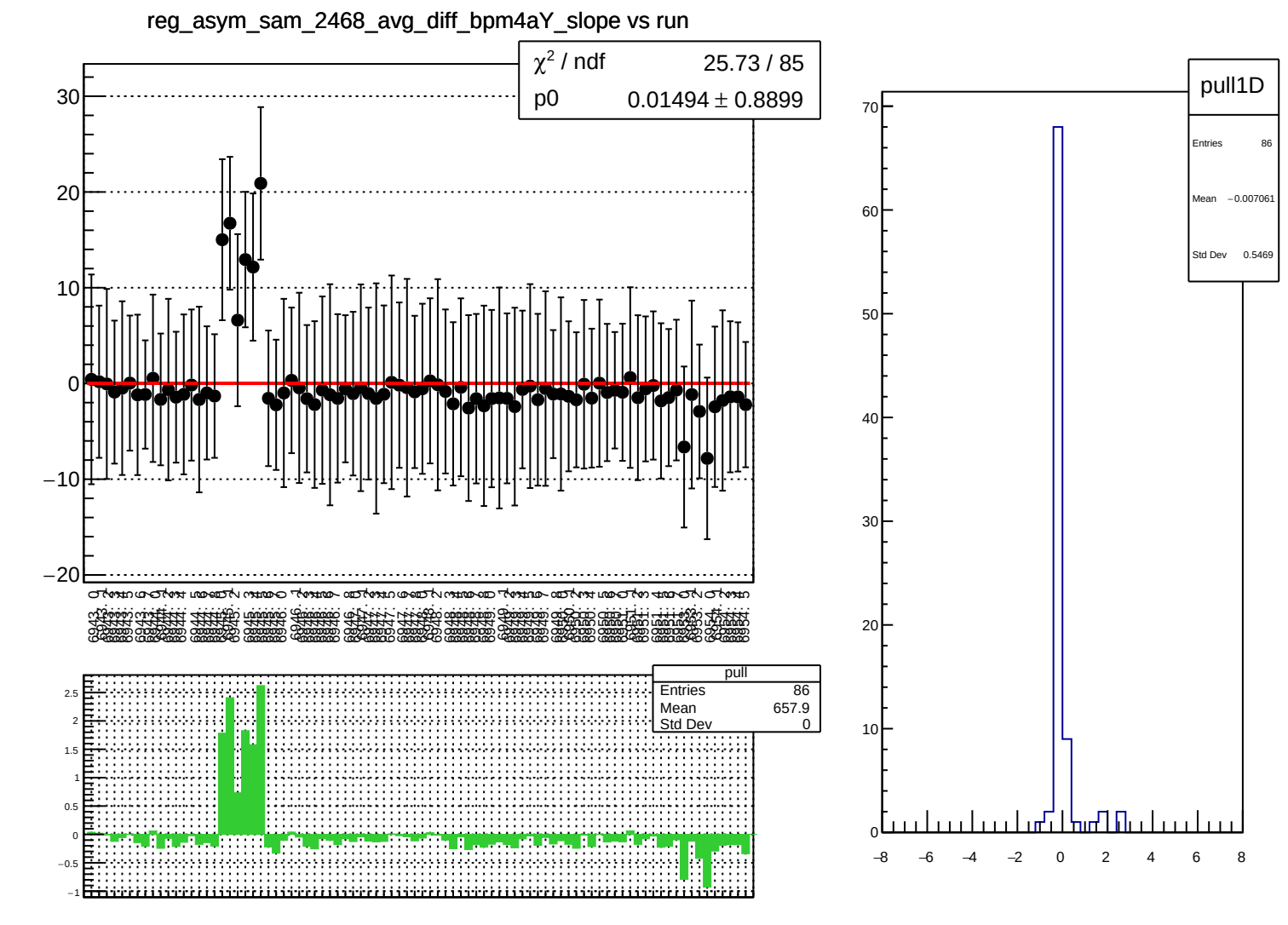

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.31 / 85
p0 −32.19 ± 0.5818
pull
Entries 86
Mean 124
Std Dev 0
pull1D
Entries 86
Mean −0.05833
Std Dev 0.9214

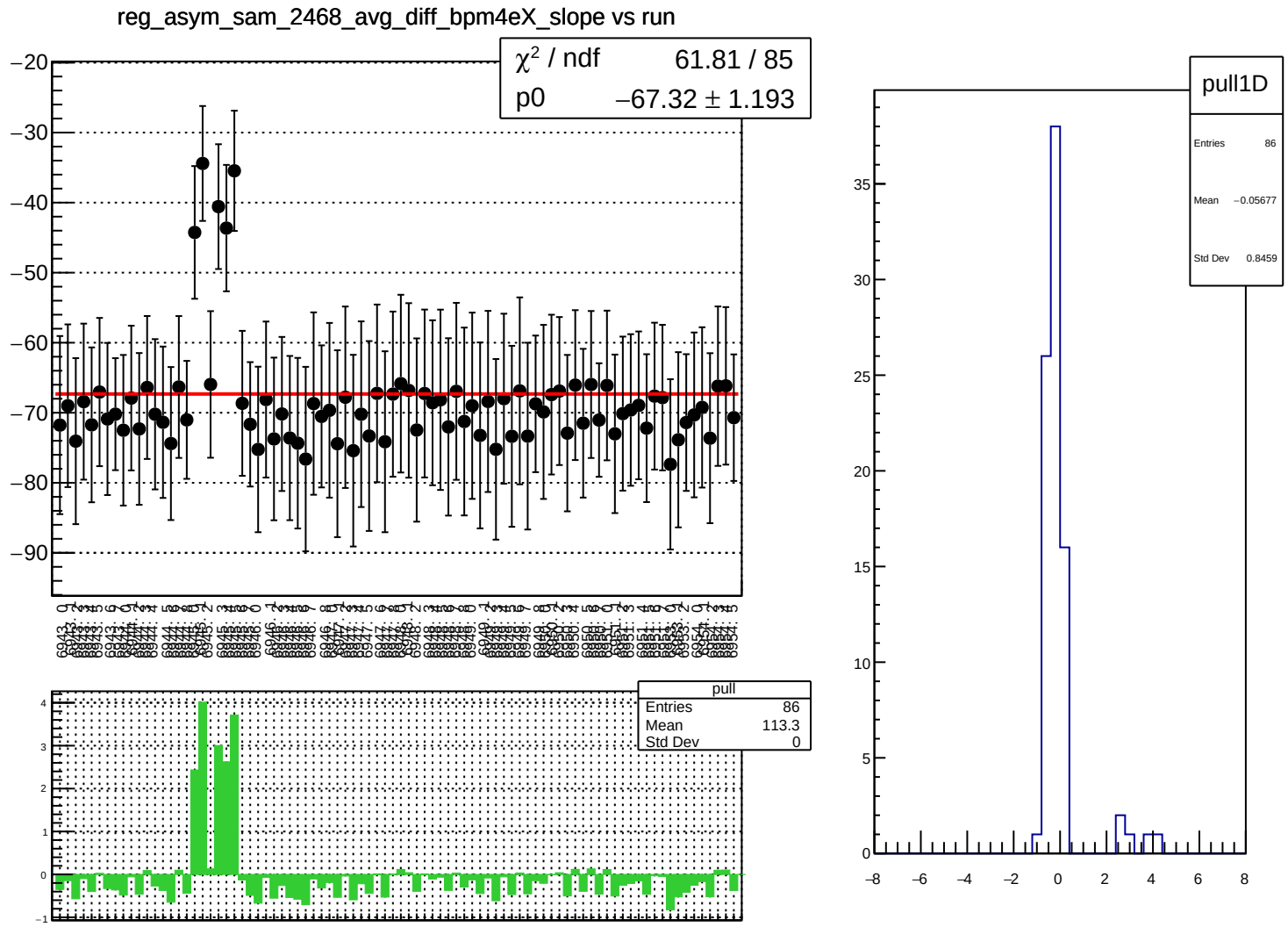

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.93 / 85
p0 27.9 ± 0.4985
pull
Entries 86
Mean 524.5
Std Dev 0
pull1D
Entries 86
Mean 0.01037
Std Dev 0.5799

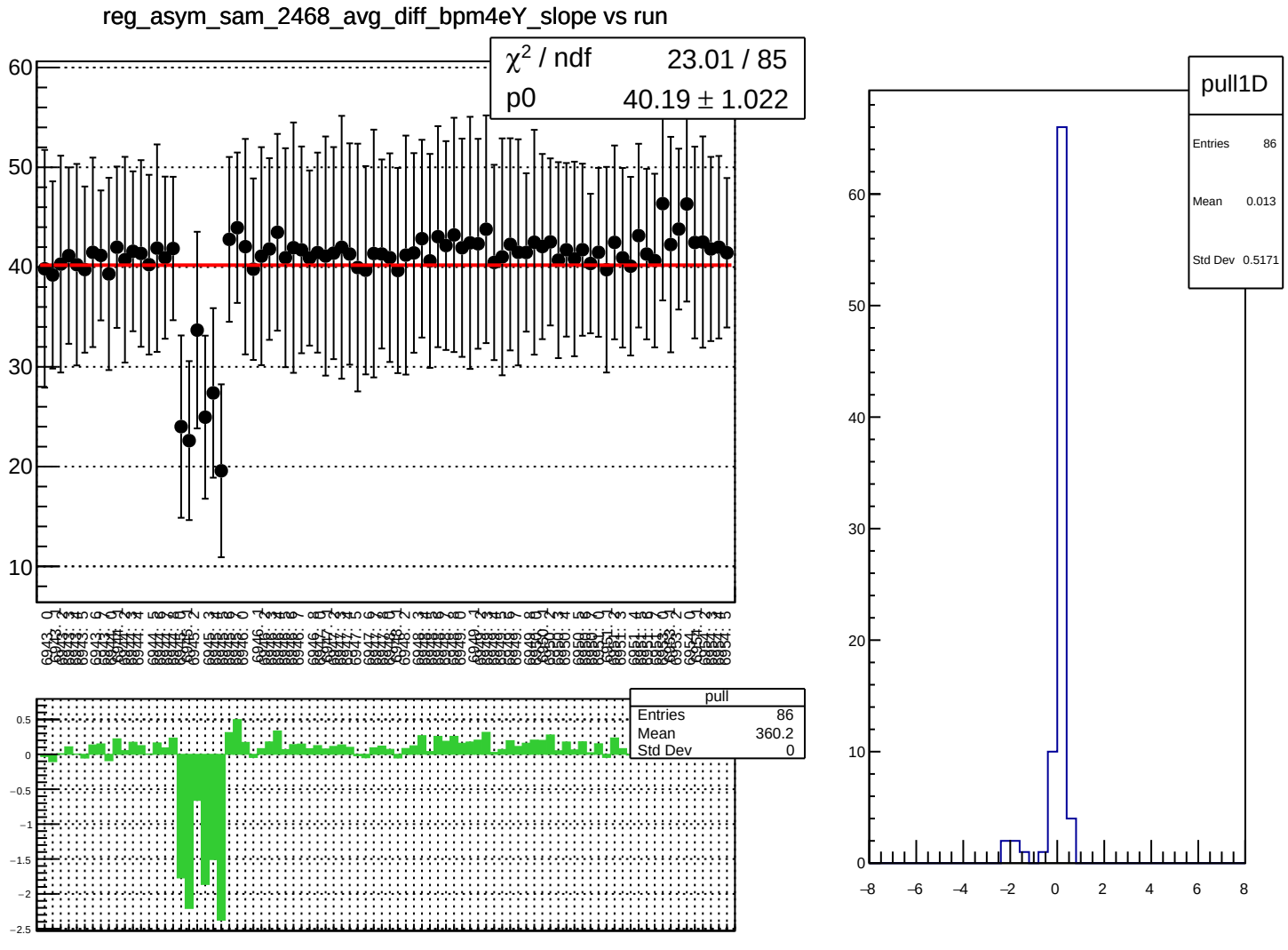

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.759 / 85
p0 0.03597 ± 0.01939
pull
Entries 86
Mean −434.1
Std Dev 0

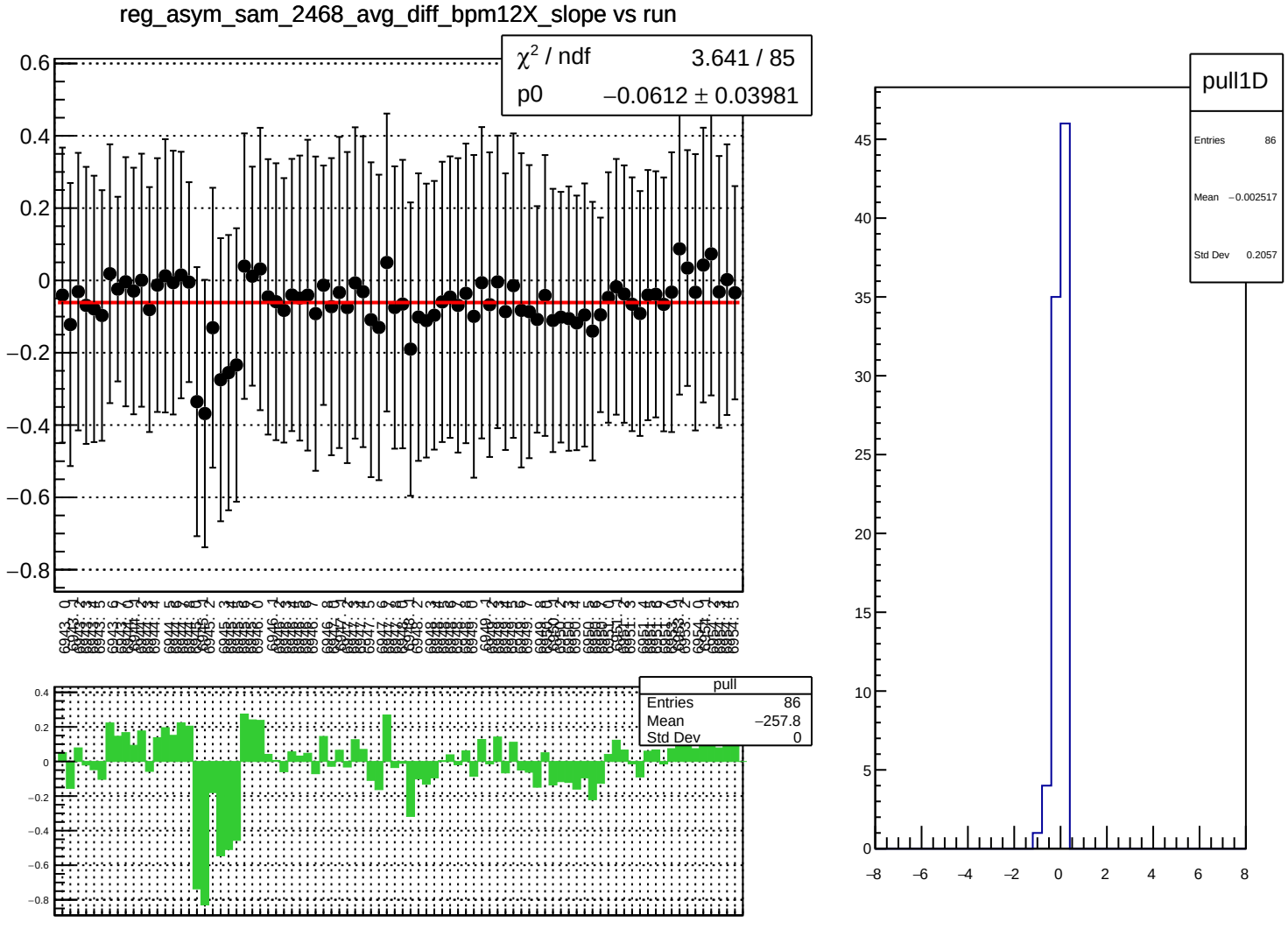

pull1D
Entries 86
Mean −0.002041
Std Dev 0.2352

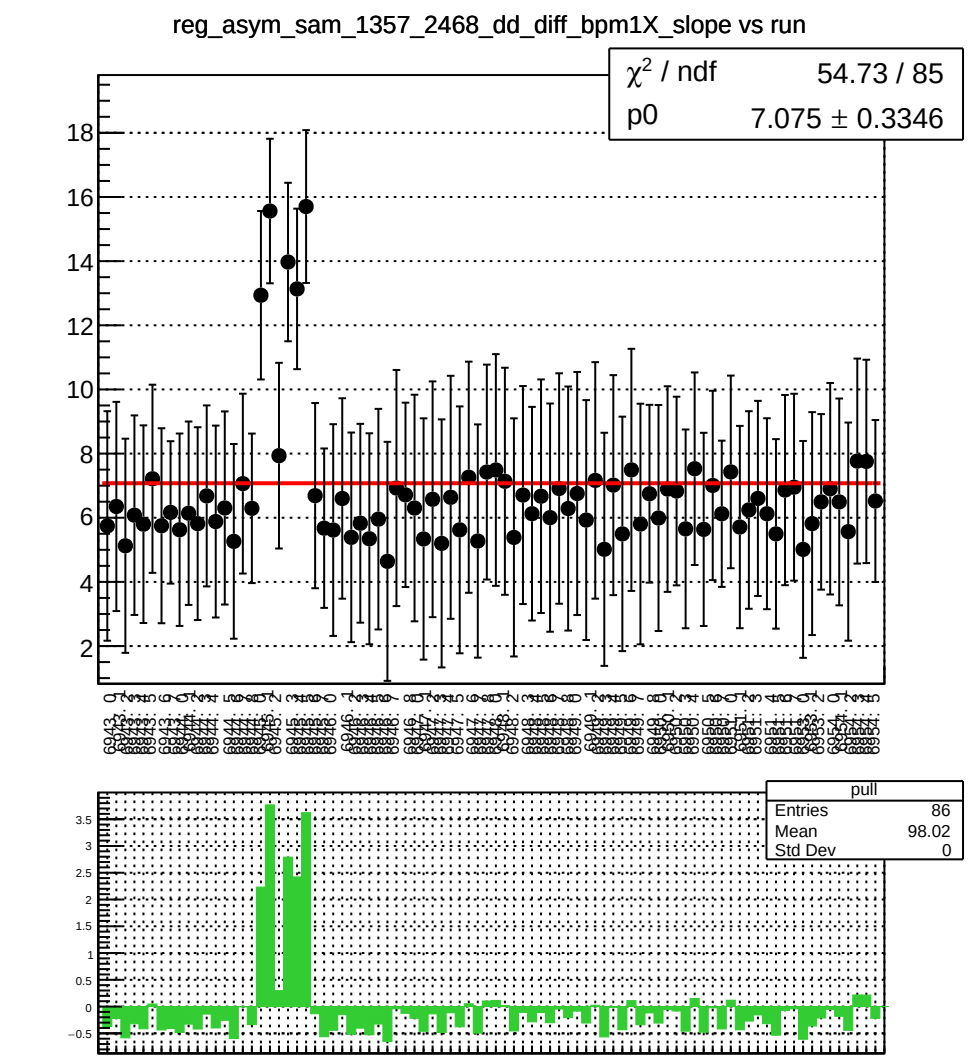

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 68.59 / 85
p0 −24.16 ± 1.282
pull
Entries 86
Mean 102.1
Std Dev 0
pull1D
Entries 86
Mean 0.0609
Std Dev 0.891

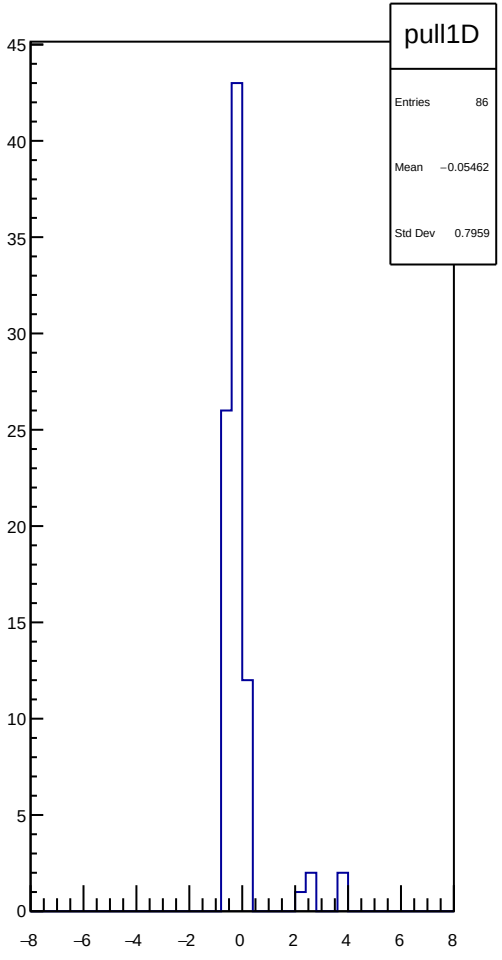

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.73 / 85
p0 0.01494 ± 0.8899
pull
Entries 86
Mean 657.9
Std Dev 0
pull1D
Entries 86
Mean −0.007061
Std Dev 0.5469

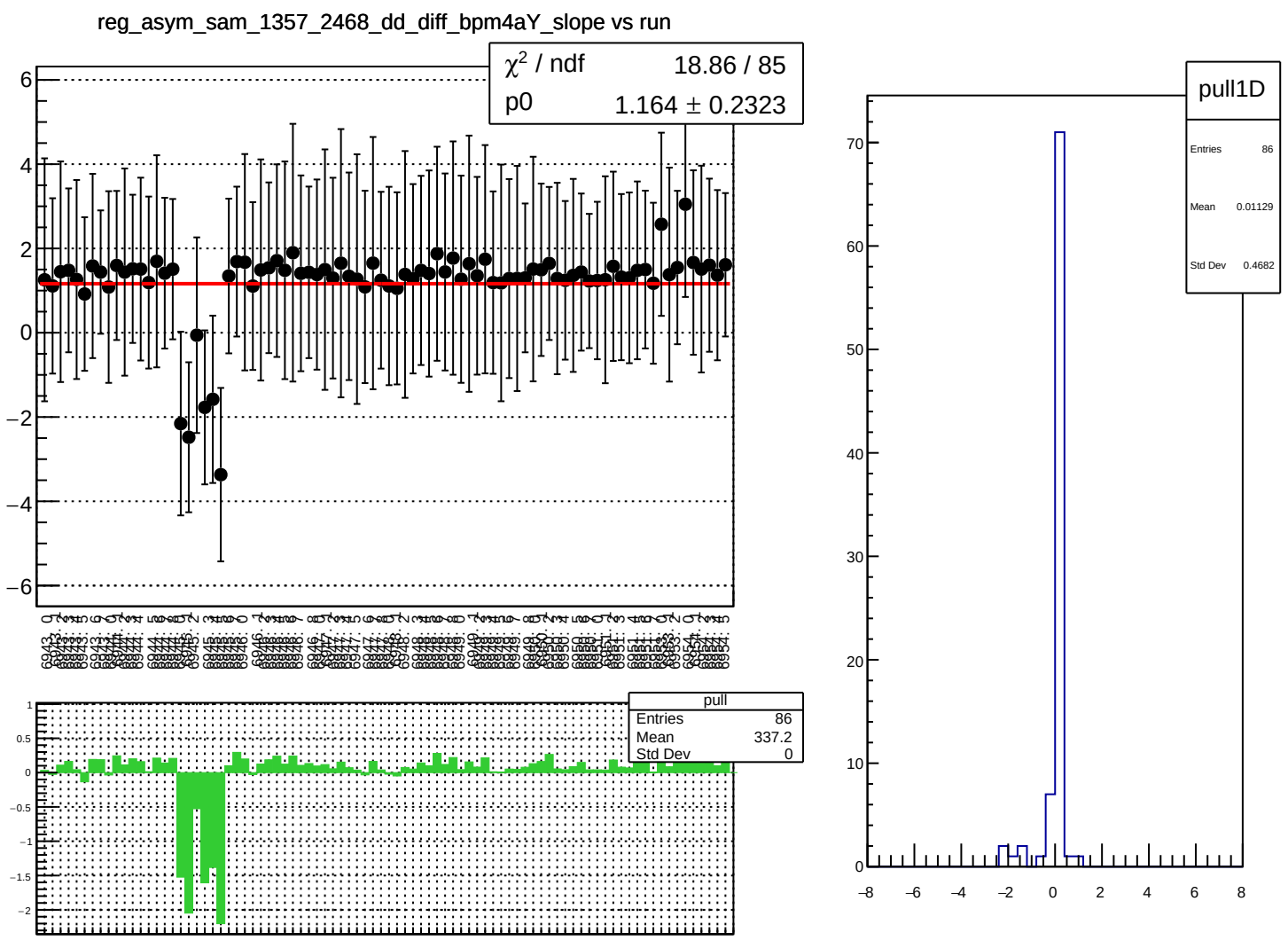

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.81 / 85
p0 −67.32 ± 1.193
pull
Entries 86
Mean 113.3
Std Dev 0
pull1D
Entries 86
Mean −0.05677
Std Dev 0.8459

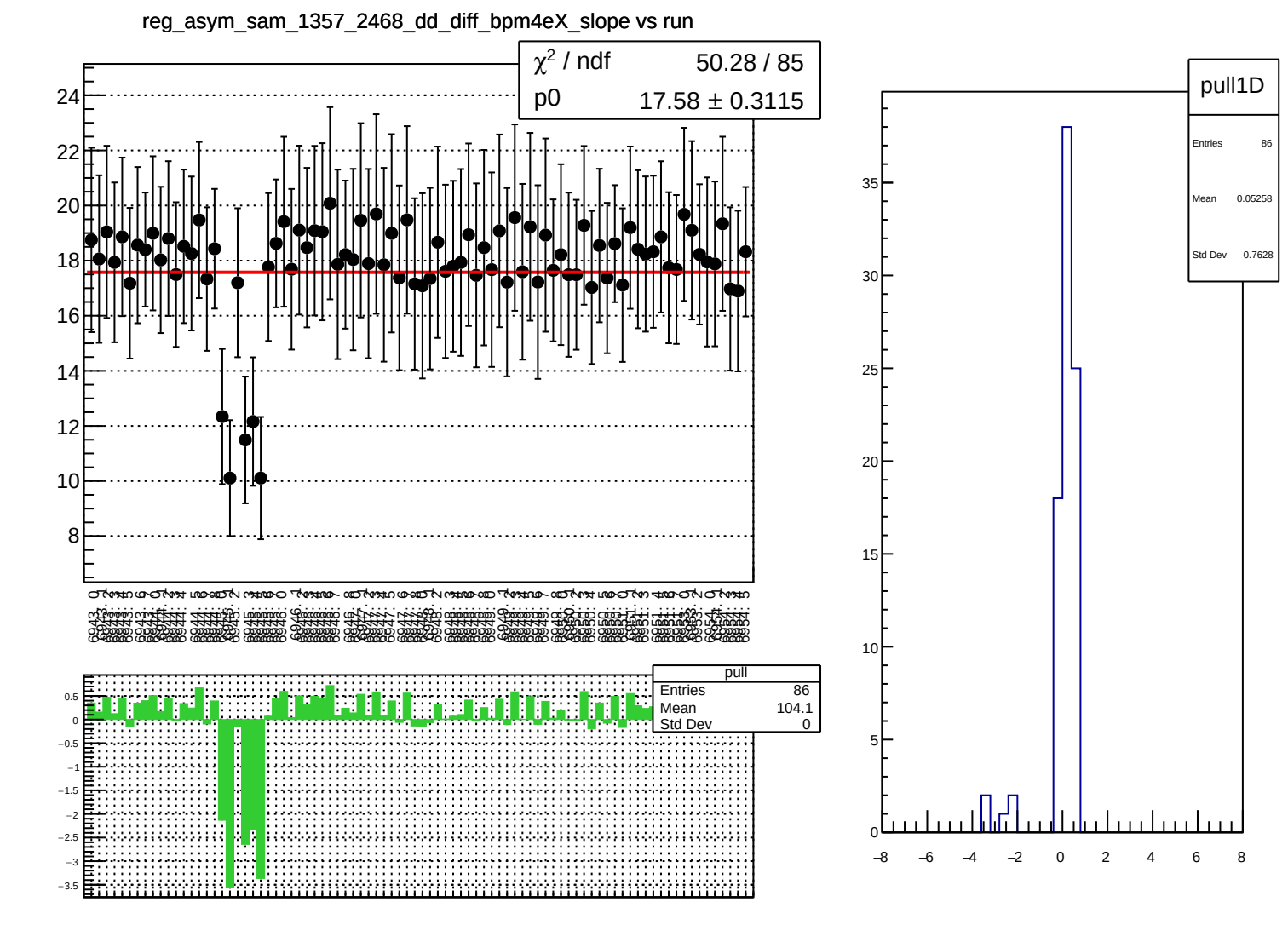

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.01 / 85
p0 40.19 ± 1.022
pull
Entries 86
Mean 360.2
Std Dev 0
pull1D
Entries 86
Mean 0.013
Std Dev 0.5171

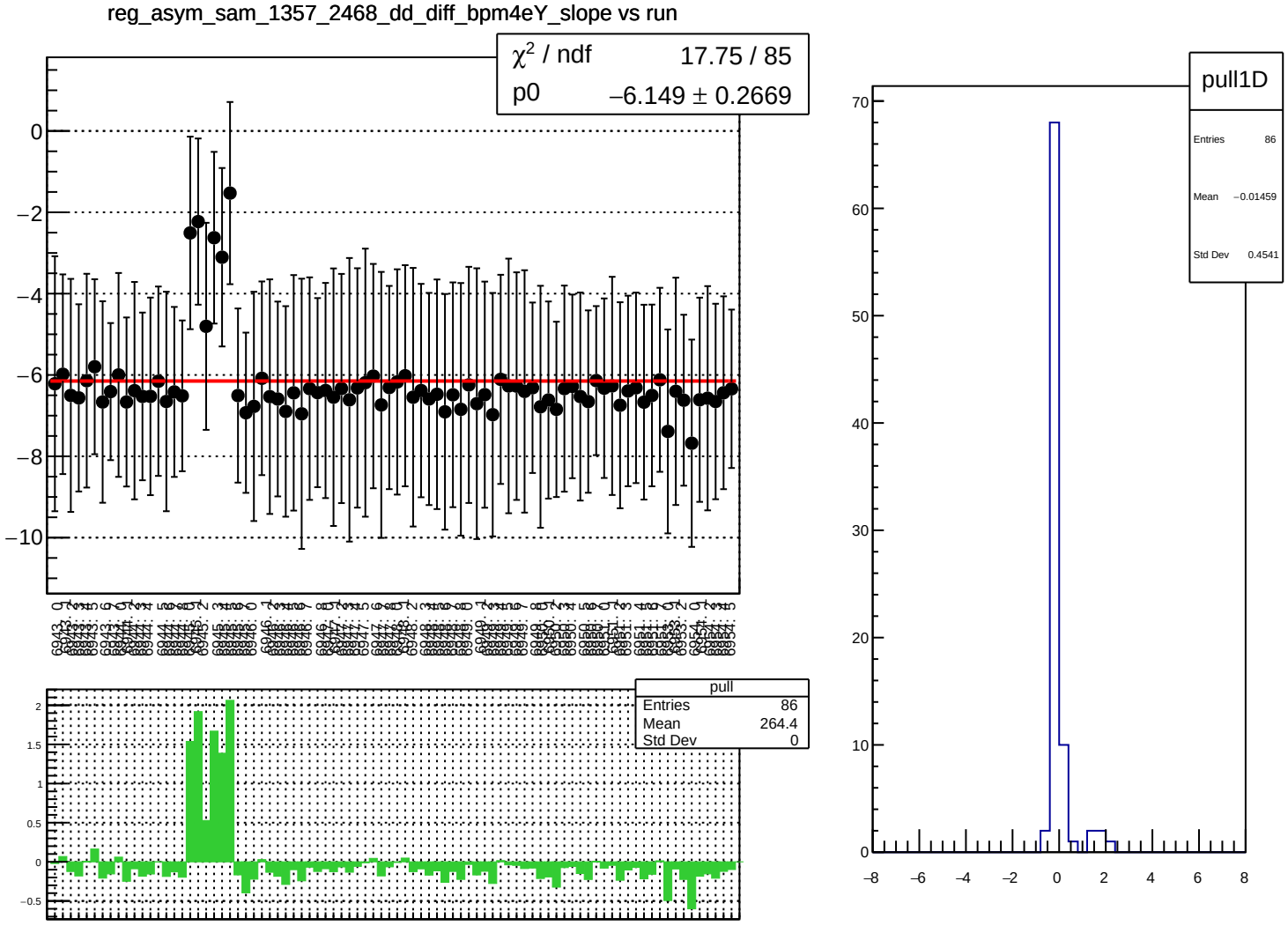

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.641 / 85
p0 −0.0612 ± 0.03981
pull
Entries 86
Mean −257.8
Std Dev 0
pull1D
Entries 86
Mean −0.002517
Std Dev 0.2057

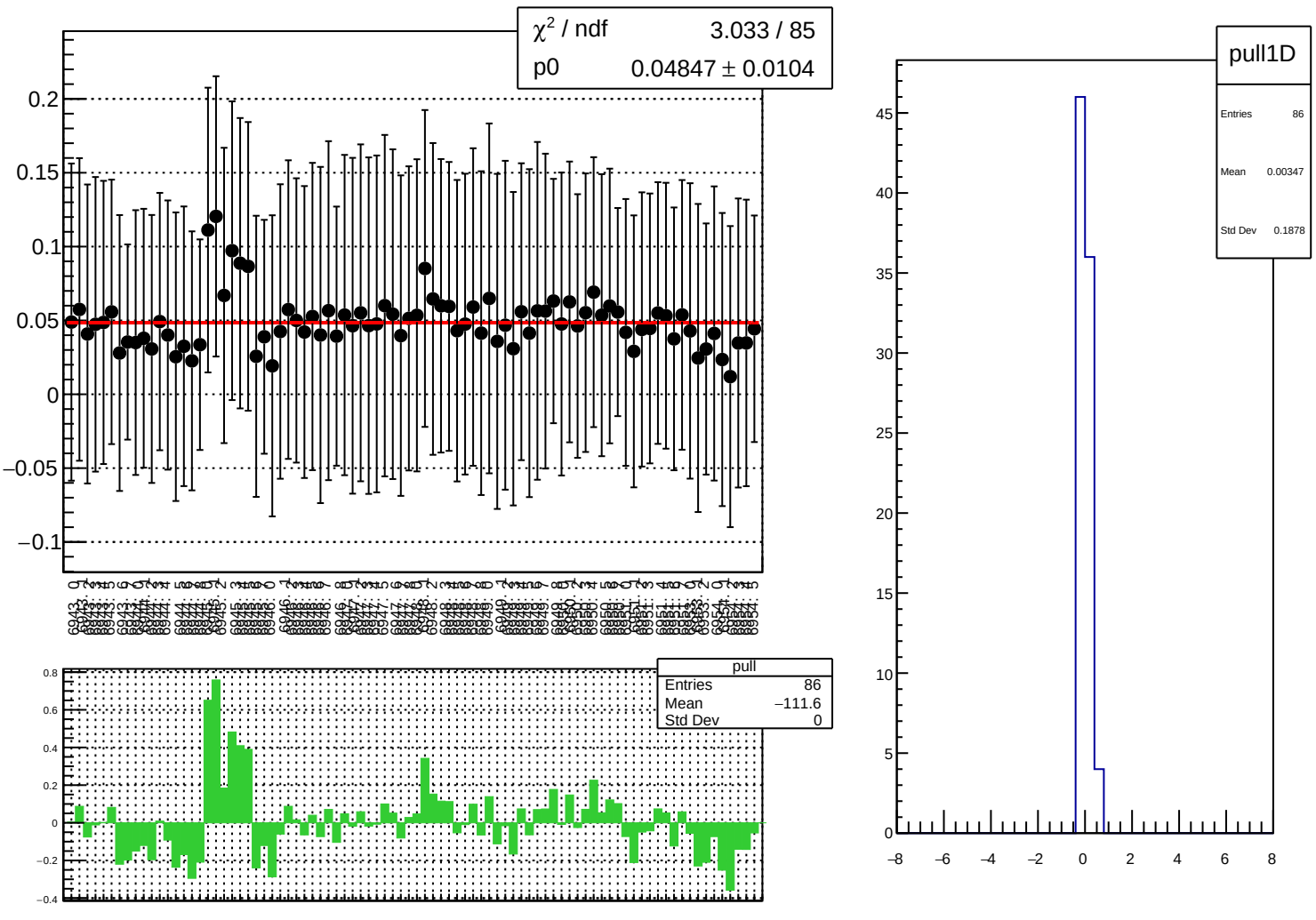

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 54.73 / 85
p0 7.075 ± 0.3346
pull
Entries 86
Mean 98.02
Std Dev 0

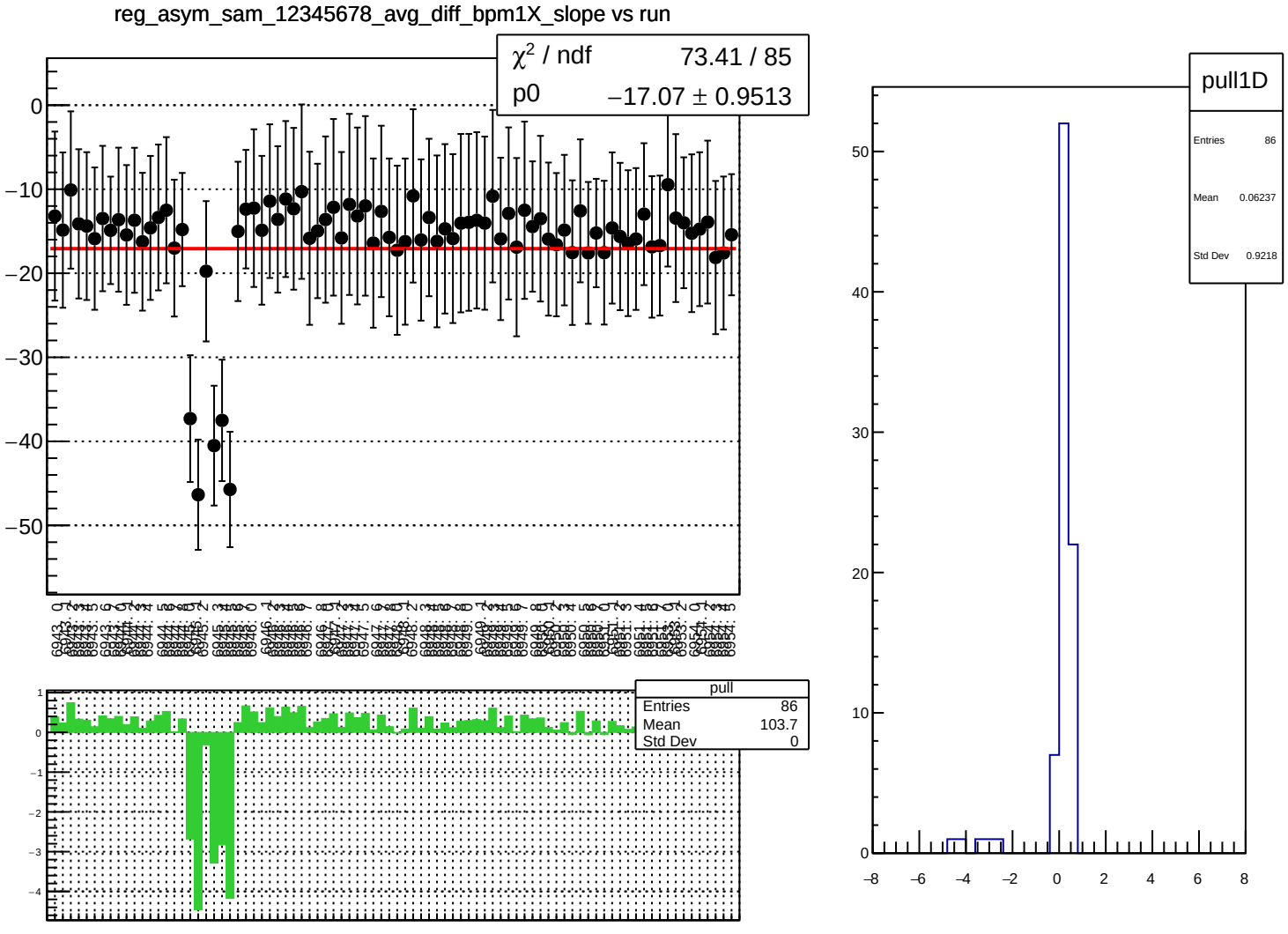

pull1D
Entries 86
Mean −0.05462
Std Dev 0.7959

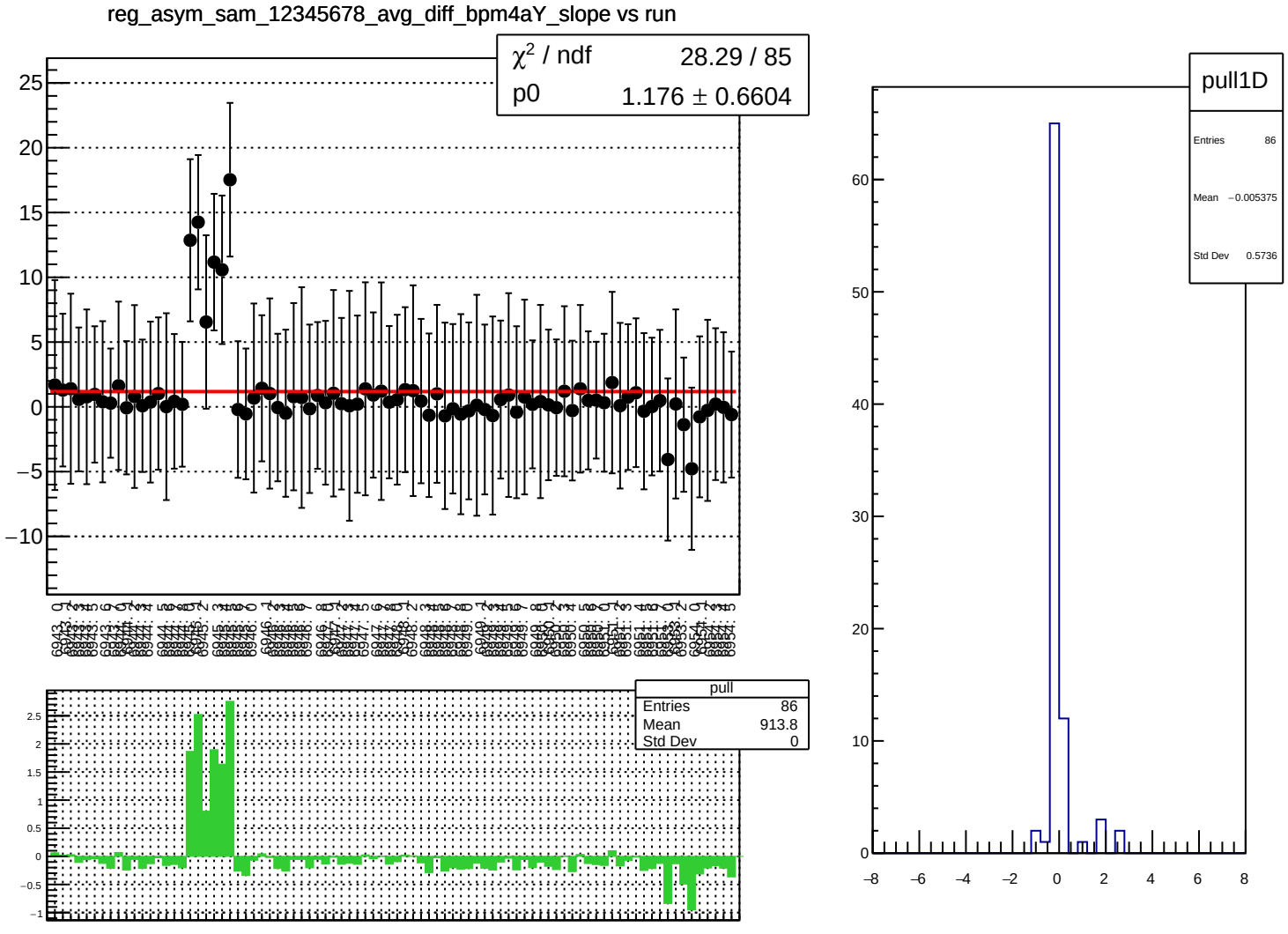

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.86 / 85
p0 1.164 ± 0.2323
pull
Entries 86
Mean 337.2
Std Dev 0
pull1D
Entries 86
Mean 0.01129
Std Dev 0.4682

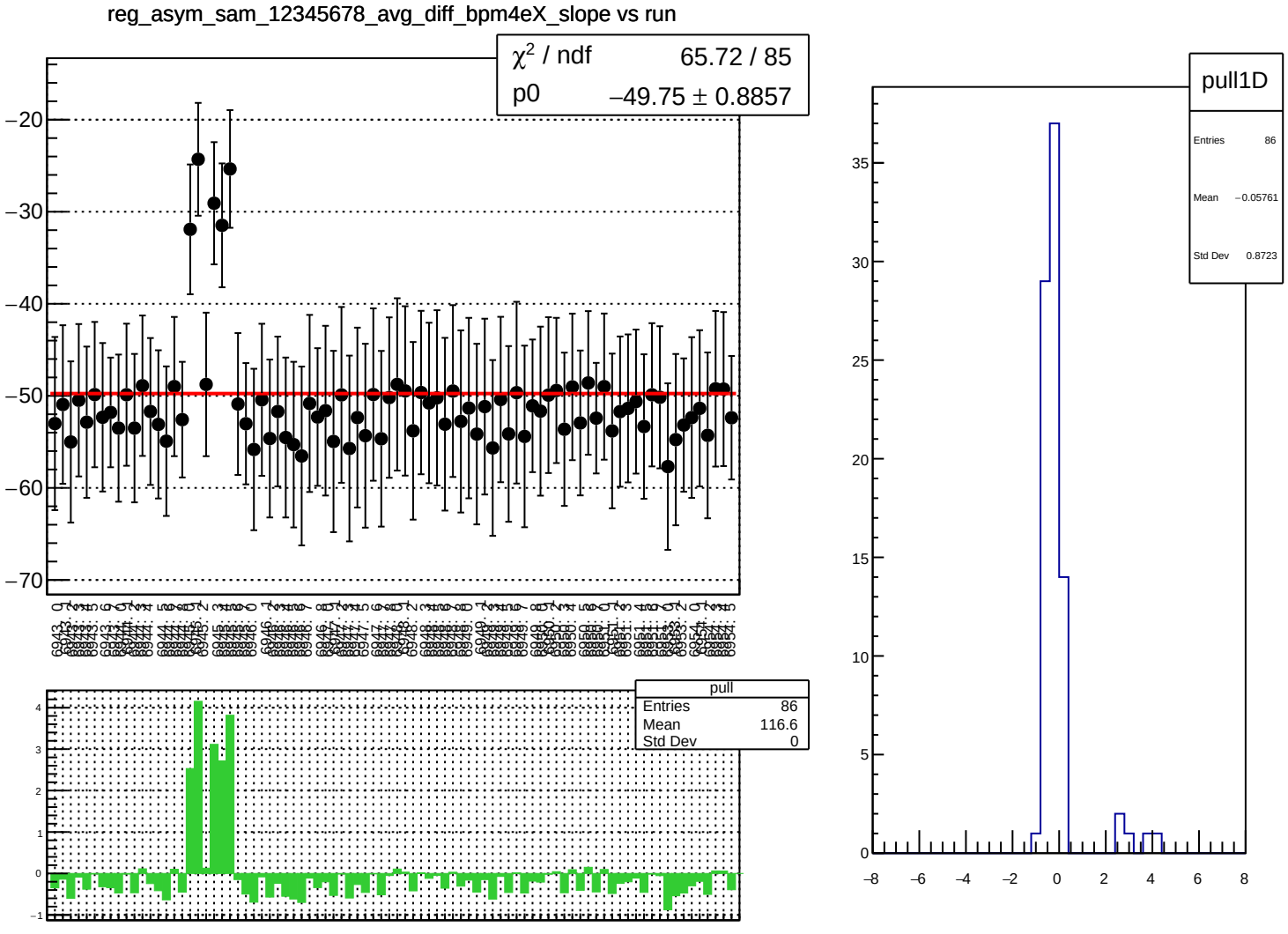

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.28 / 85
p0 17.58 ± 0.3115
pull
Entries 86
Mean 104.1
Std Dev 0
pull1D
Entries 86
Mean 0.05258
Std Dev 0.7628

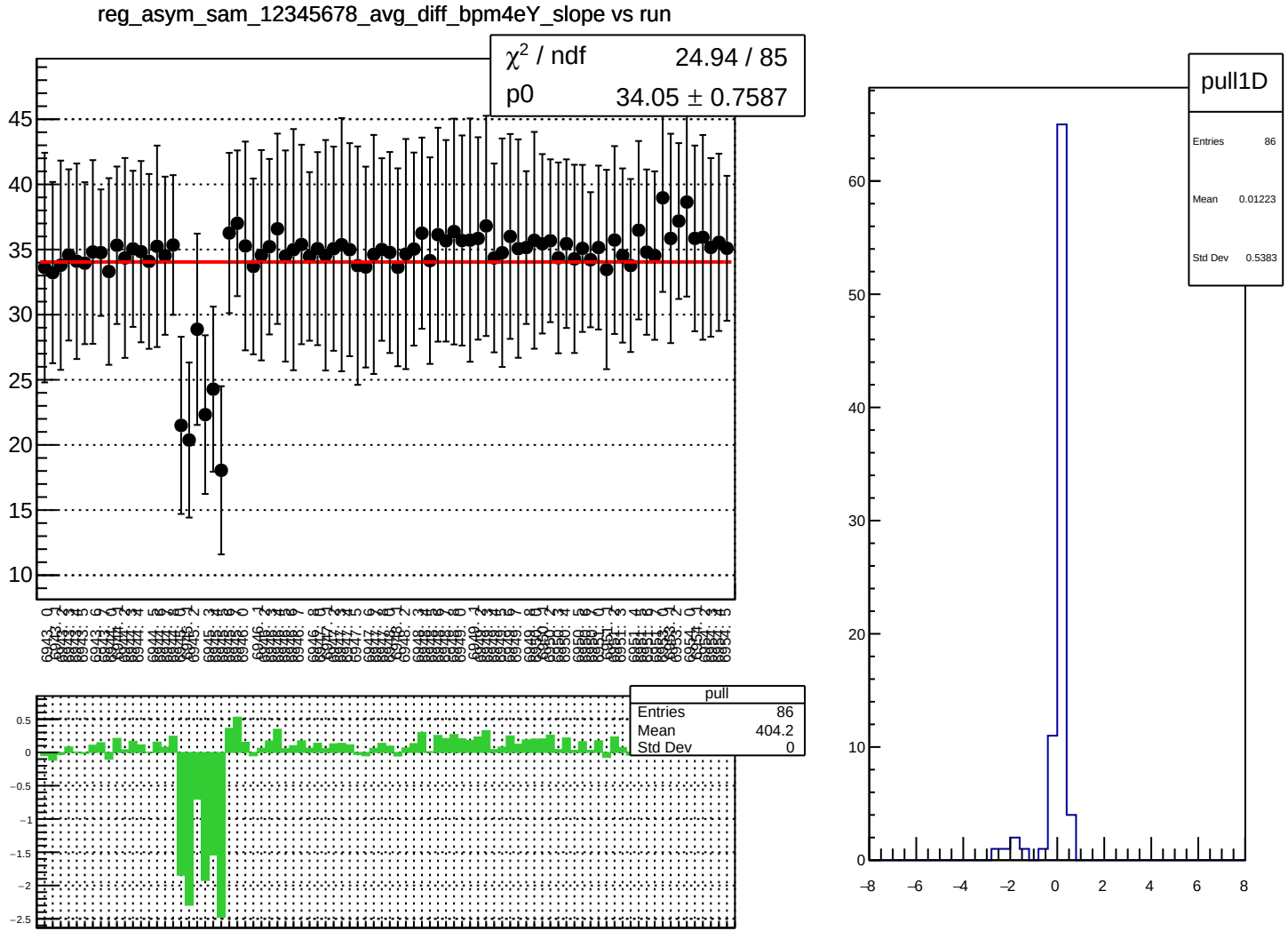

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.75 / 85
p0 −6.149 ± 0.2669
pull
Entries 86
Mean 264.4
Std Dev 0
pull1D
Entries 86
Mean −0.01459
Std Dev 0.4541

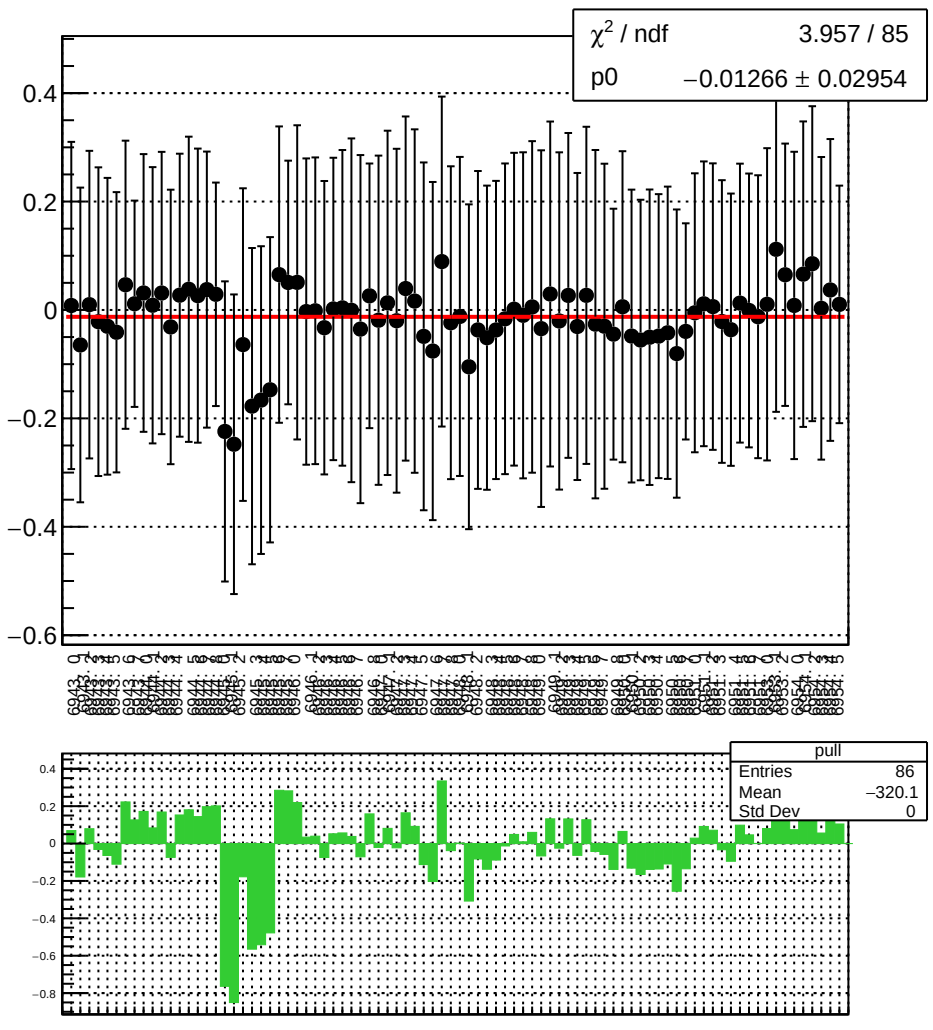

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.033 / 85
p0 0.04847 ± 0.0104
pull
Entries 86
Mean −111.6
Std Dev 0
pull1D
Entries 86
Mean 0.00347
Std Dev 0.1878

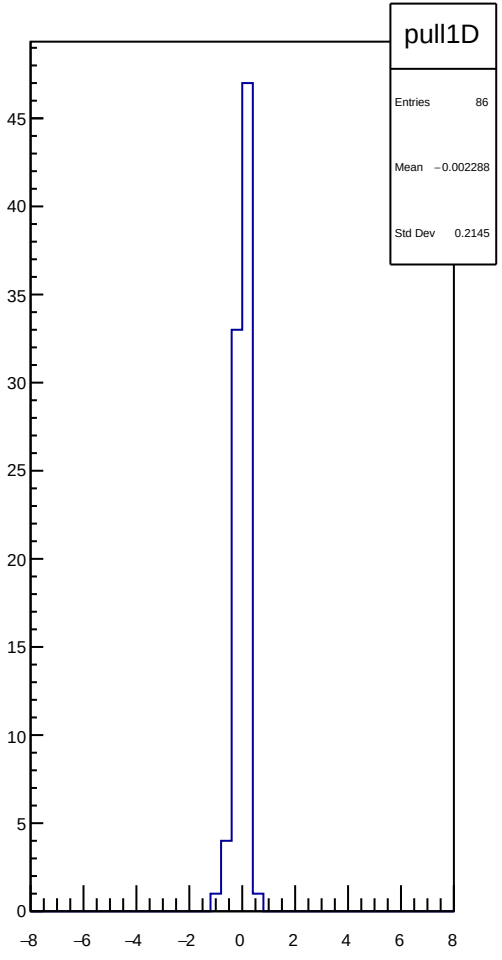

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 73.41 / 85
p0 −17.07 ± 0.9513
pull
Entries 86
Mean 103.7
Std Dev 0
pull1D
Entries 86
Mean 0.06237
Std Dev 0.9218

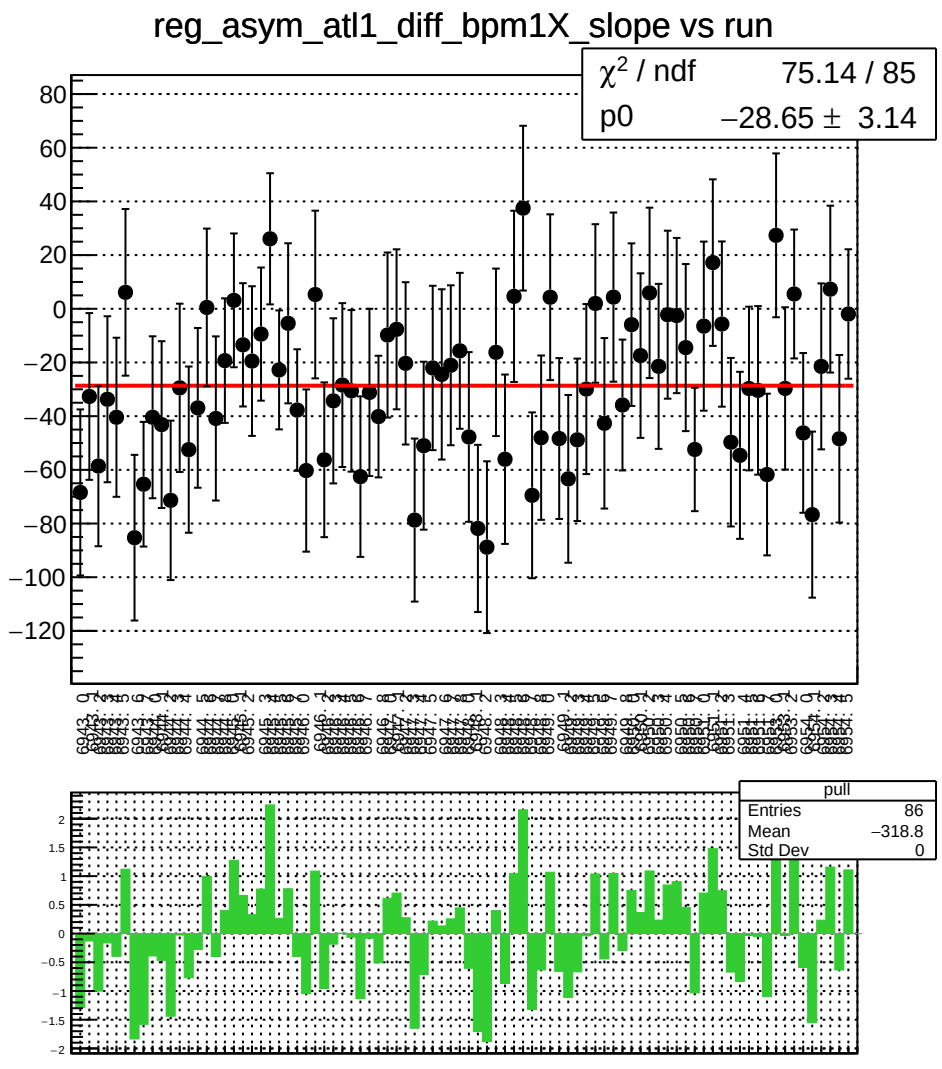

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.29 / 85
p0 1.176 ± 0.6604
pull
Entries 86
Mean 913.8
Std Dev 0
pull1D
Entries 86
Mean −0.005375
Std Dev 0.5736

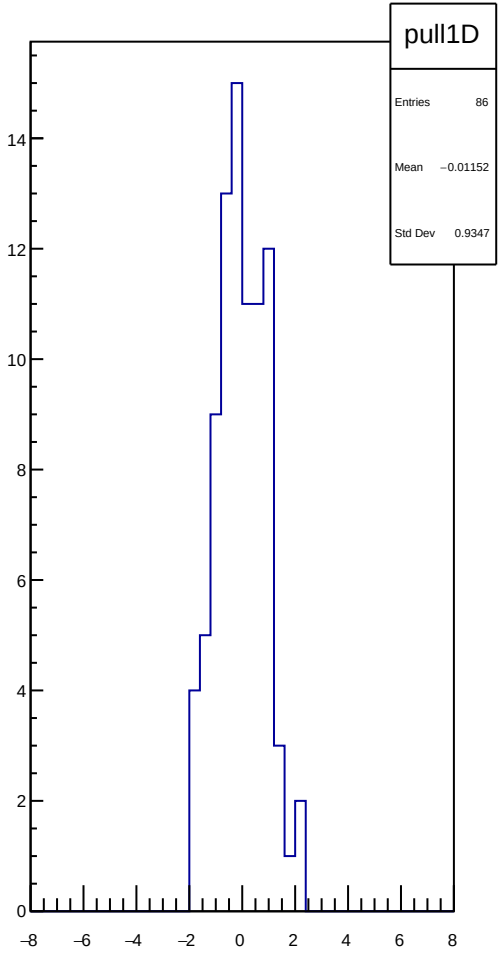

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.72 / 85
p0 −49.75 ± 0.8857
pull
Entries 86
Mean 116.6
Std Dev 0
pull1D
Entries 86
Mean −0.05761
Std Dev 0.8723

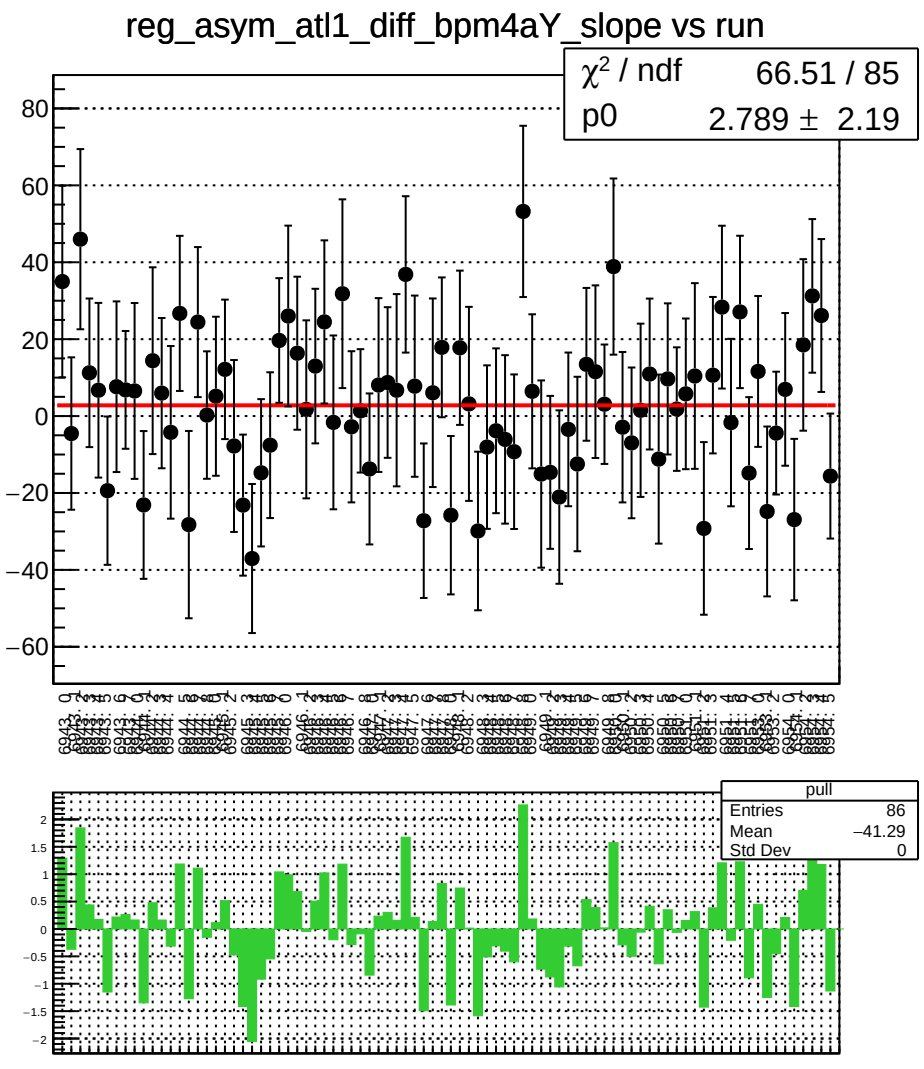

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.94 / 85
p0 34.05 ± 0.7587
pull
Entries 86
Mean 404.2
Std Dev 0
pull1D
Entries 86
Mean 0.01223
Std Dev 0.5383

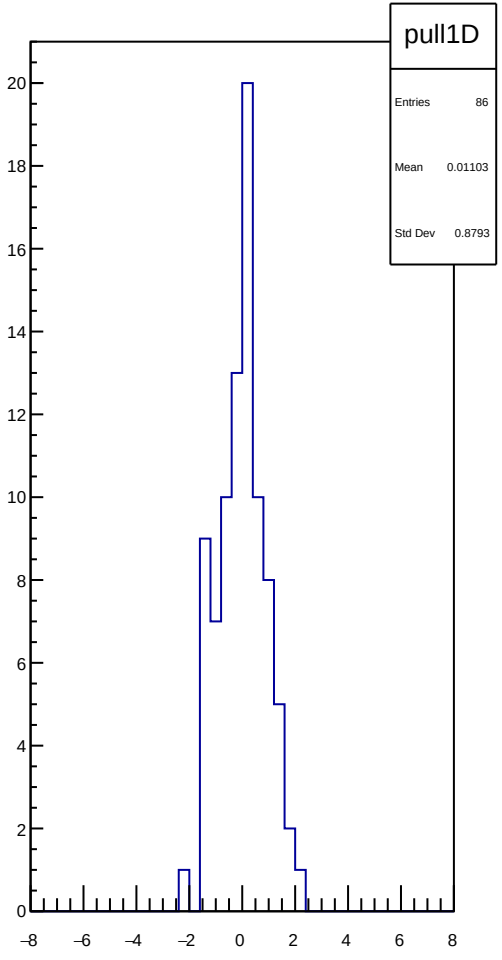

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.957 / 85
p0 −0.01266 ± 0.02954
pull
Entries 86
Mean −320.1
Std Dev 0

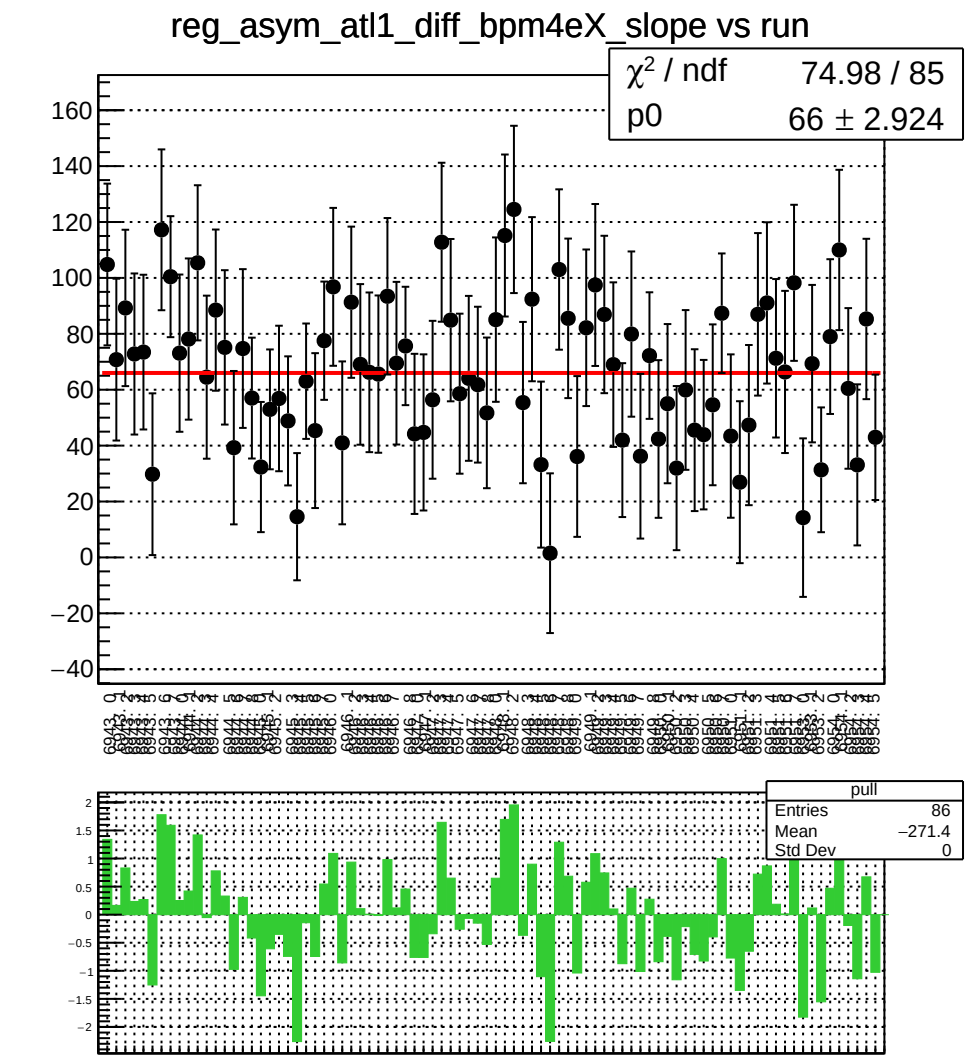

pull1D
Entries 86
Mean −0.002288
Std Dev 0.2145

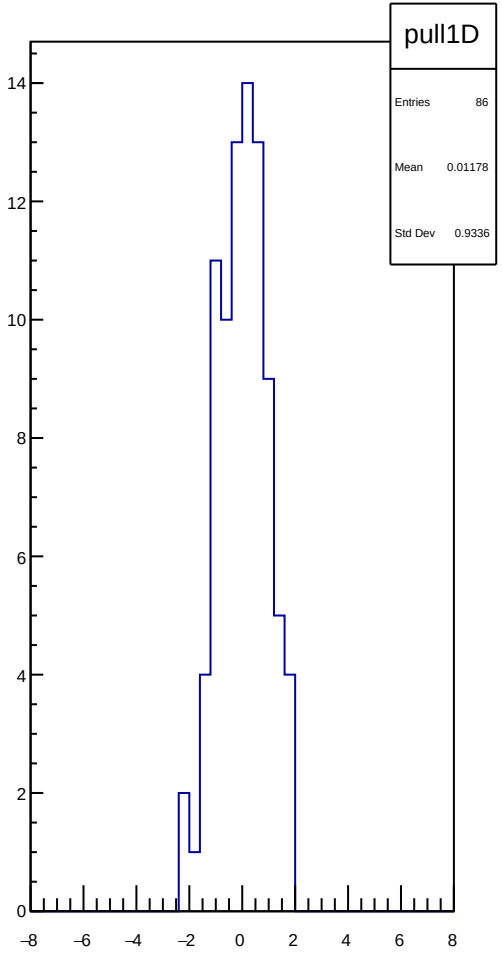

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 75.14 / 85
p0 −28.65 ± 3.14
pull
Entries 86
Mean −318.8
Std Dev 0

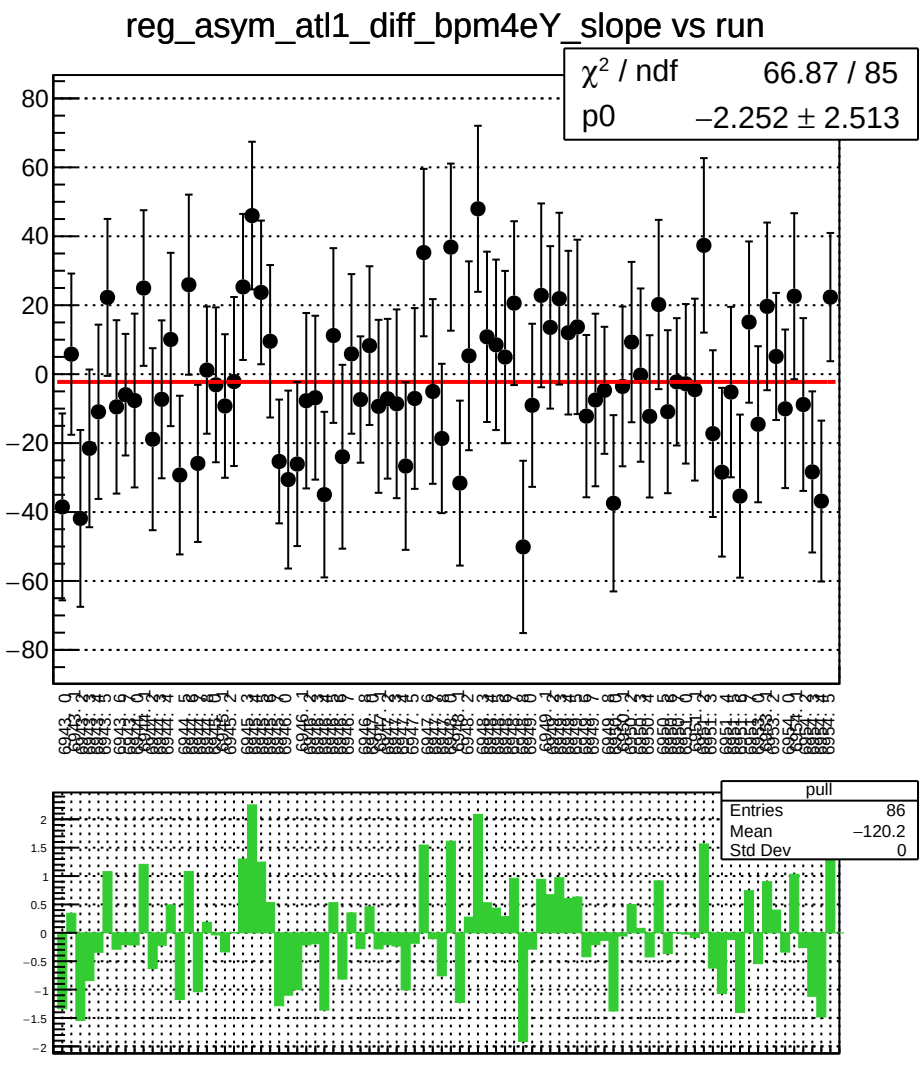

pull1D
Entries 86
Mean −0.01152
Std Dev 0.9347

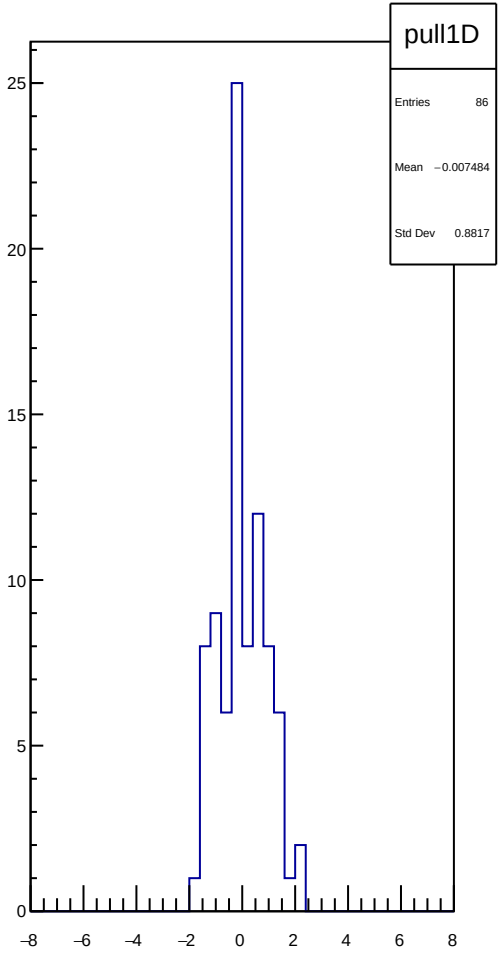

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 66.51 / 85
p0 2.789 ± 2.19
pull
Entries 86
Mean −41.29
Std Dev 0

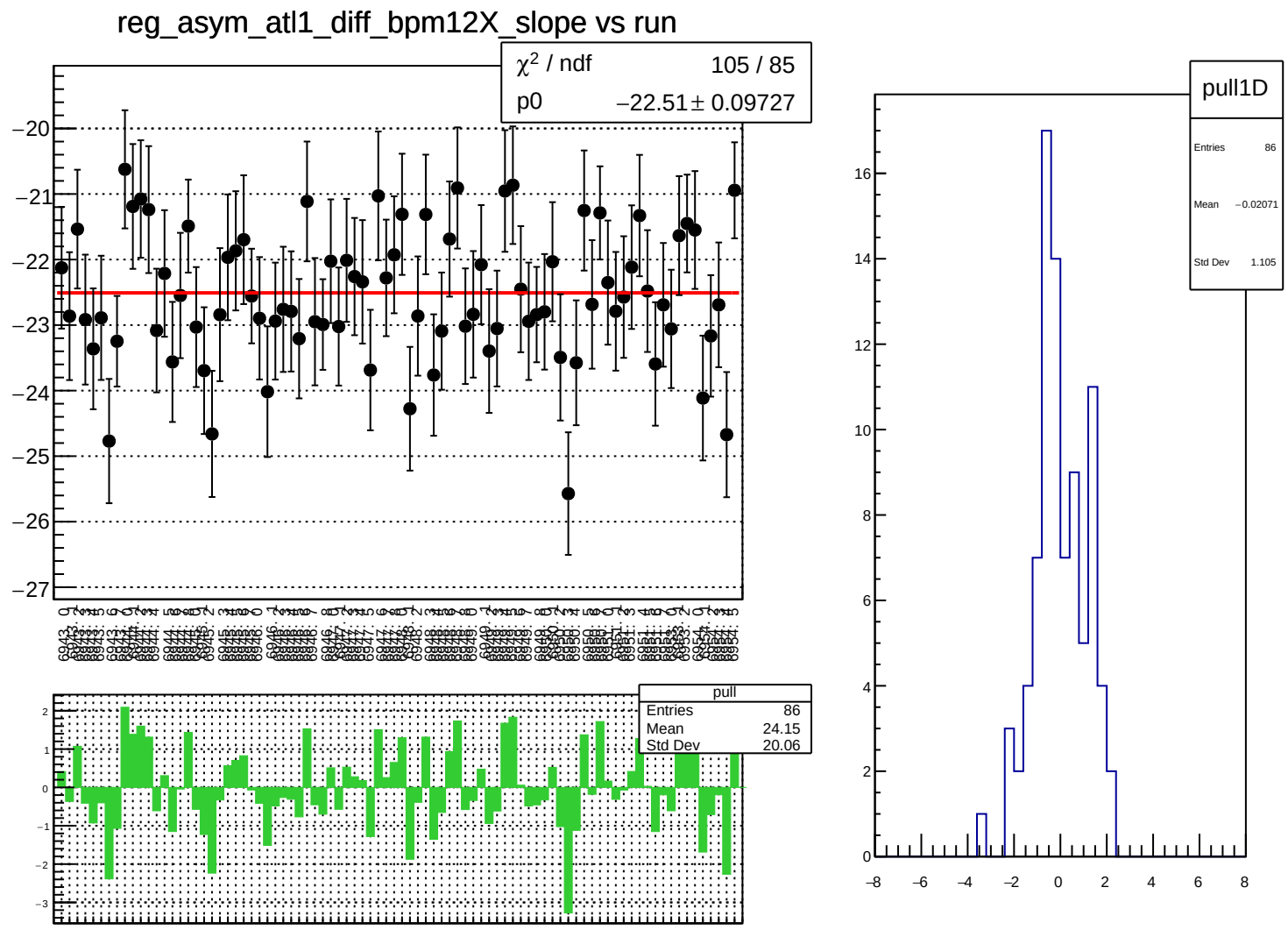

pull1D
Entries 86
Mean 0.01103
Std Dev 0.8793

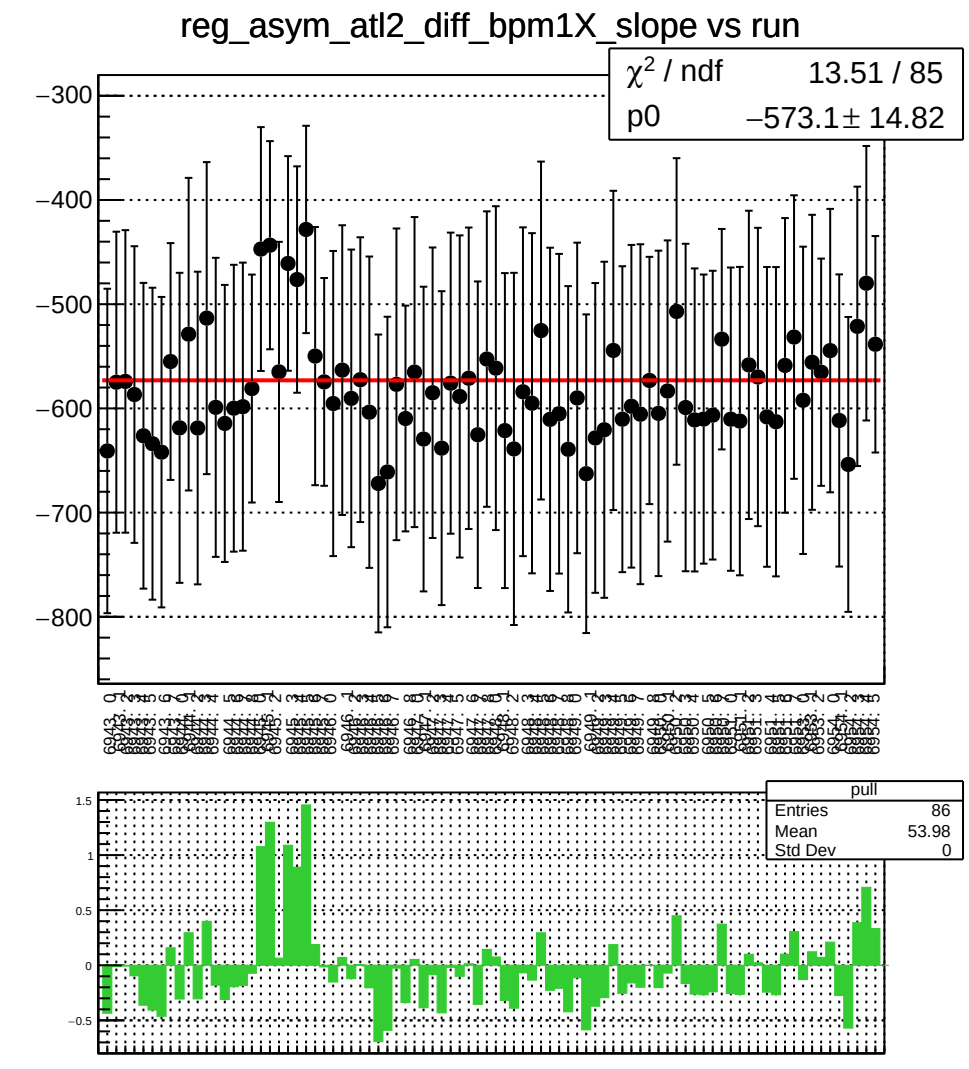

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 74.98 / 85
p0 66 ± 2.924
pull
Entries 86
Mean −271.4
Std Dev 0

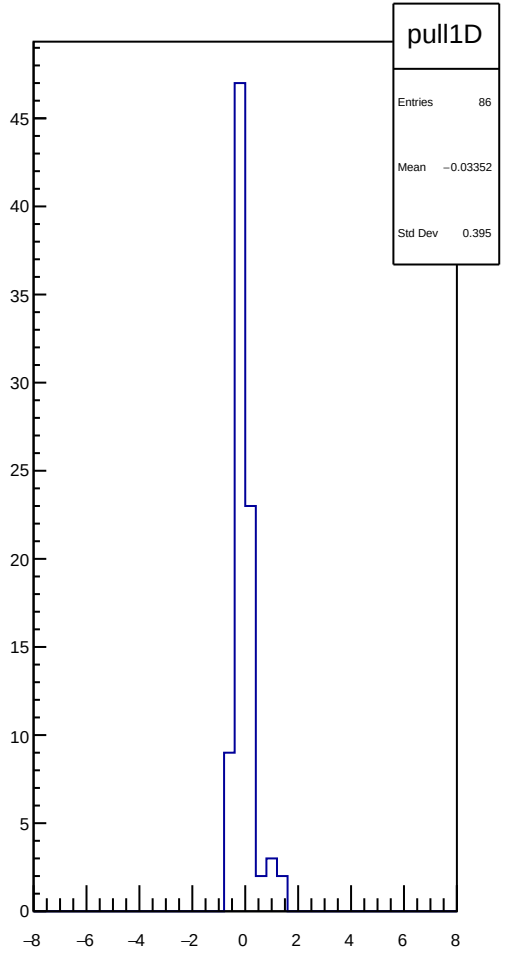

pull1D
Entries 86
Mean 0.01178
Std Dev 0.9336

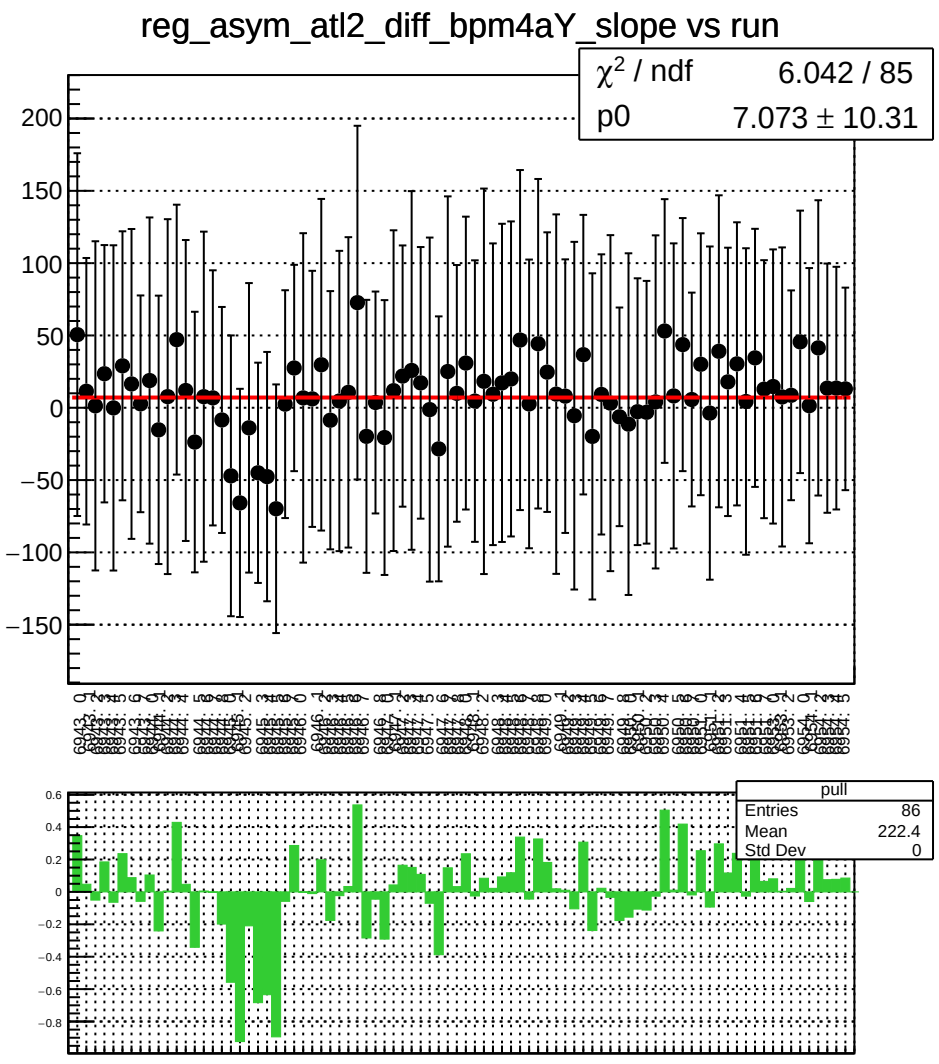

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 66.87 / 85
p0 −2.252 ± 2.513
pull
Entries 86
Mean −120.2
Std Dev 0

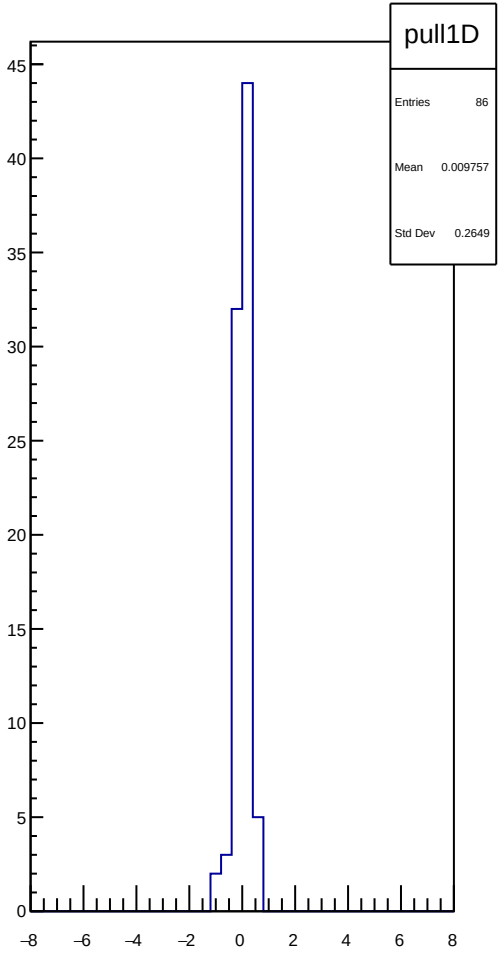

pull1D
Entries 86
Mean −0.007484
Std Dev 0.8817

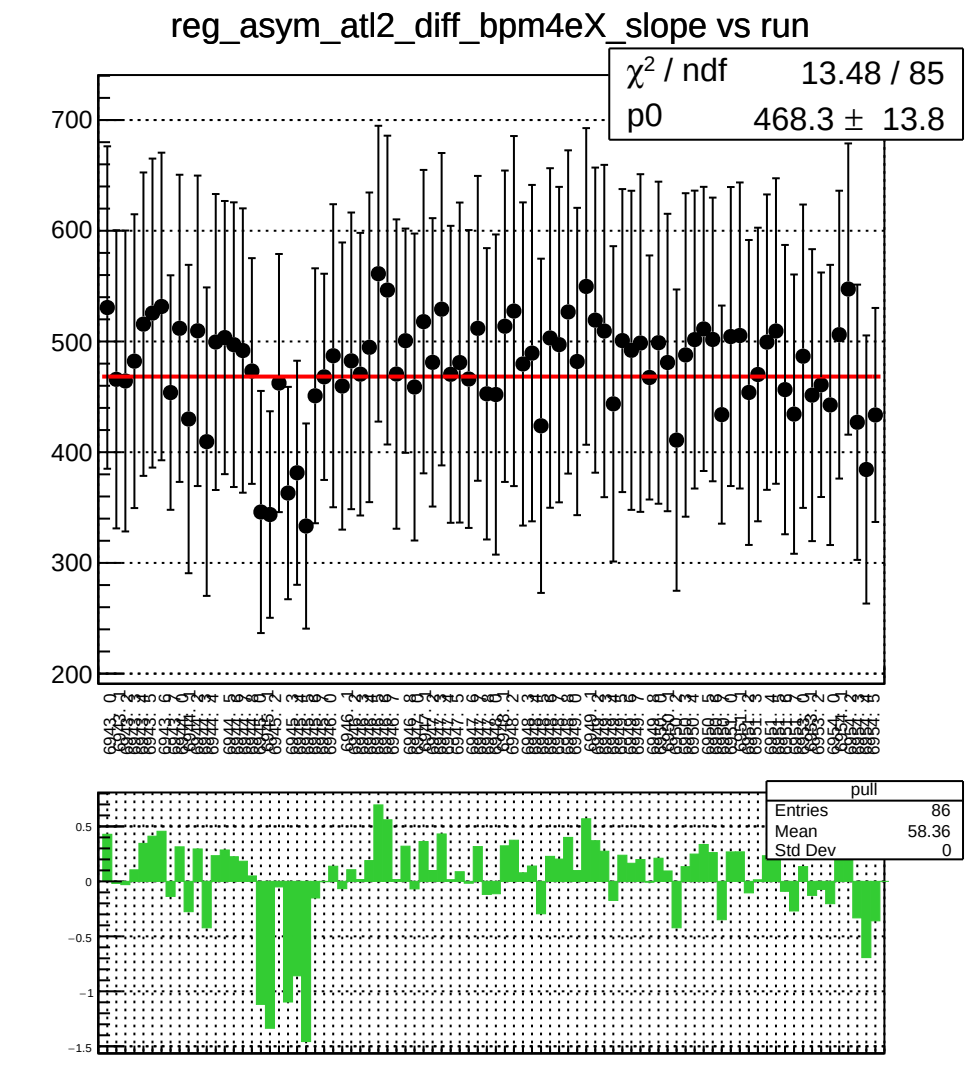

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 105 / 85
p0 −22.51 ± 0.09727
pull
Entries 86
Mean 24.15
Std Dev 20.06
pull1D
Entries 86
Mean −0.02071
Std Dev 1.105

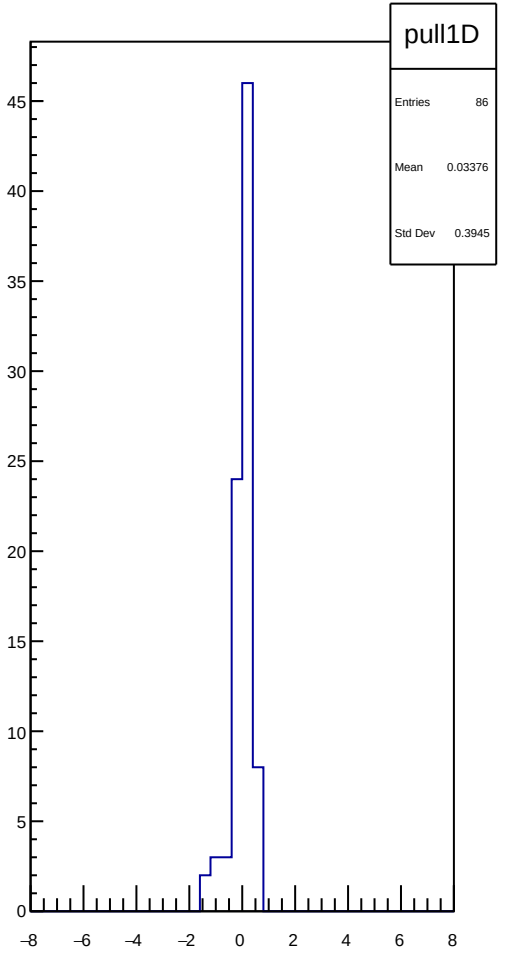

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 13.51 / 85
p0 −573.1 ± 14.82
−300
−400
−500
−600
−700
−800
pull
Entries 86
Mean 53.98
Std Dev 0
1.5
1
0.5
0
−0.5

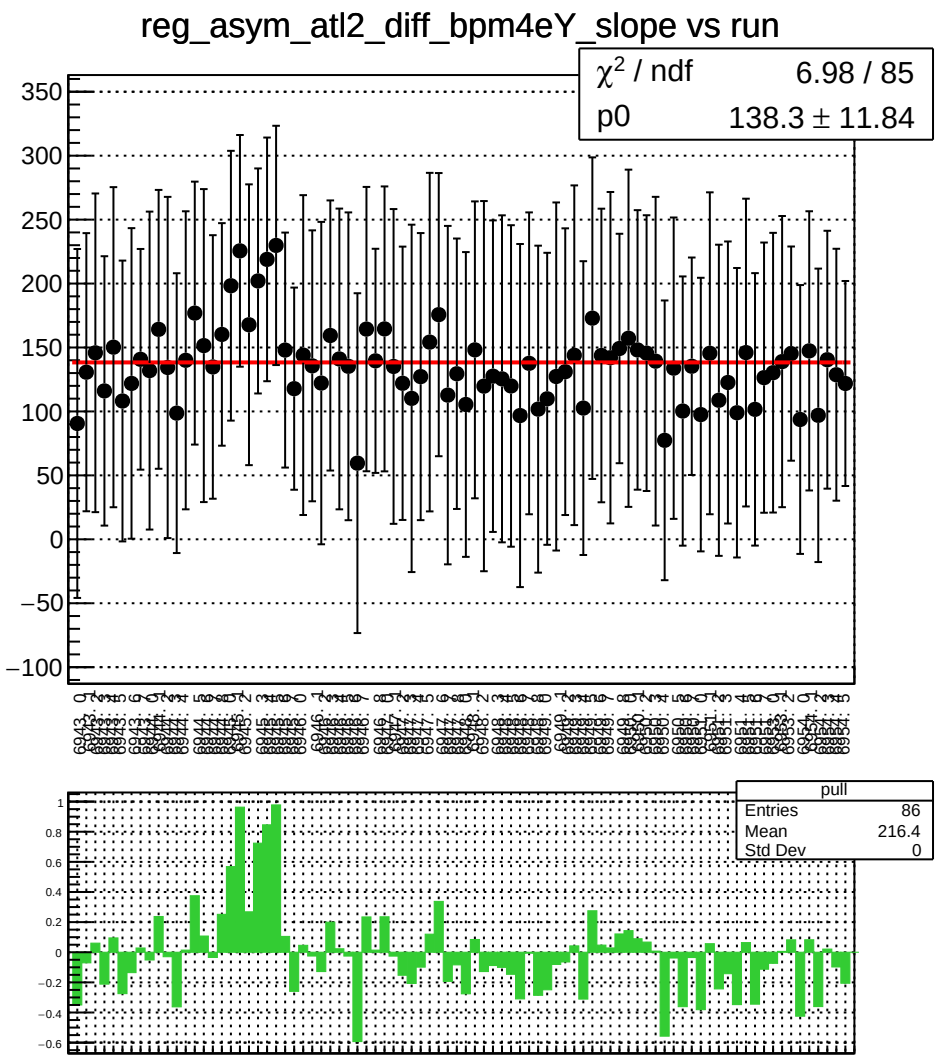

pull1D
Entries 86
Mean −0.03352
Std Dev 0.395
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

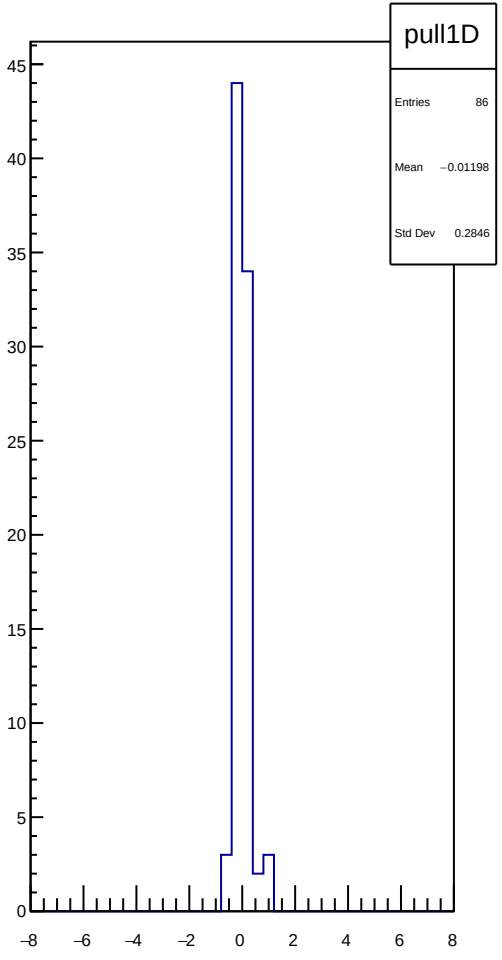

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.042 / 85
p0 7.073 ± 10.31
pull
Entries 86
Mean 222.4
Std Dev 0

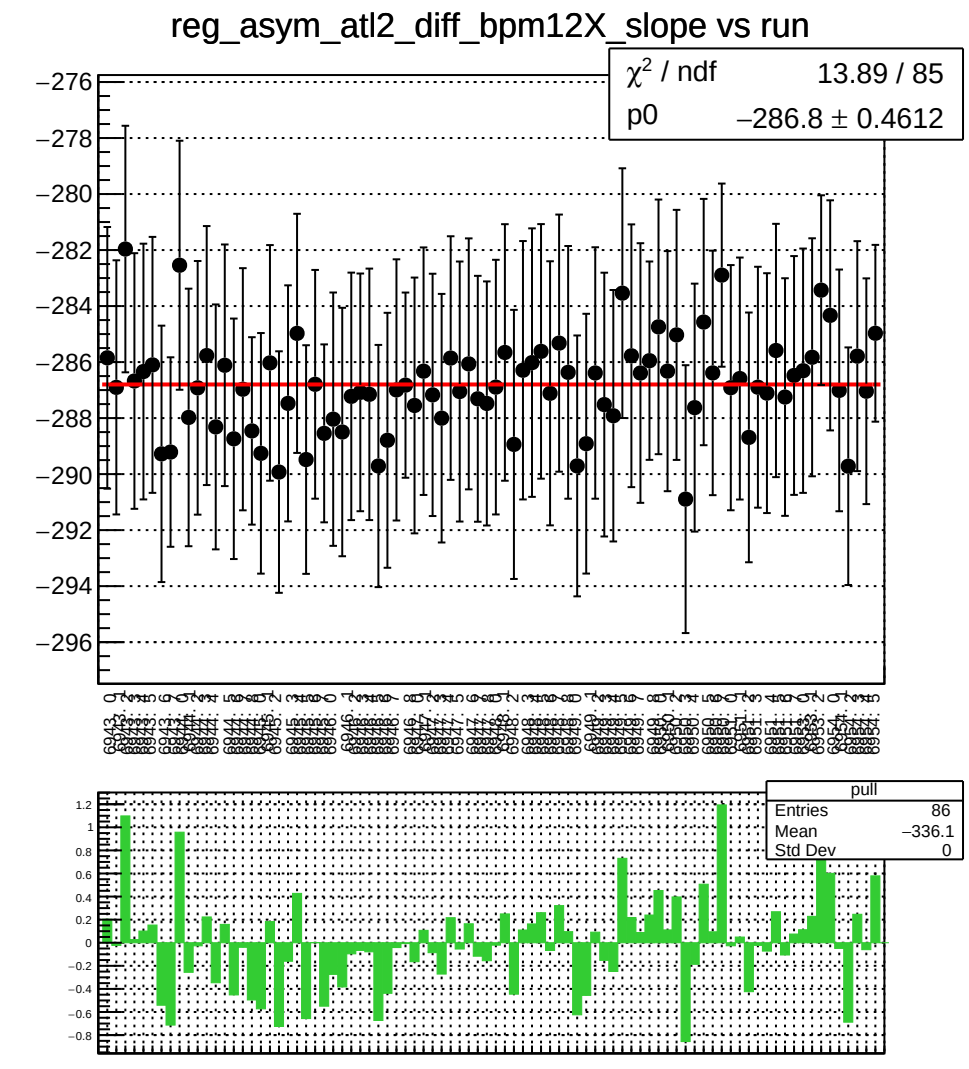

pull1D
Entries 86
Mean 0.009757
Std Dev 0.2649

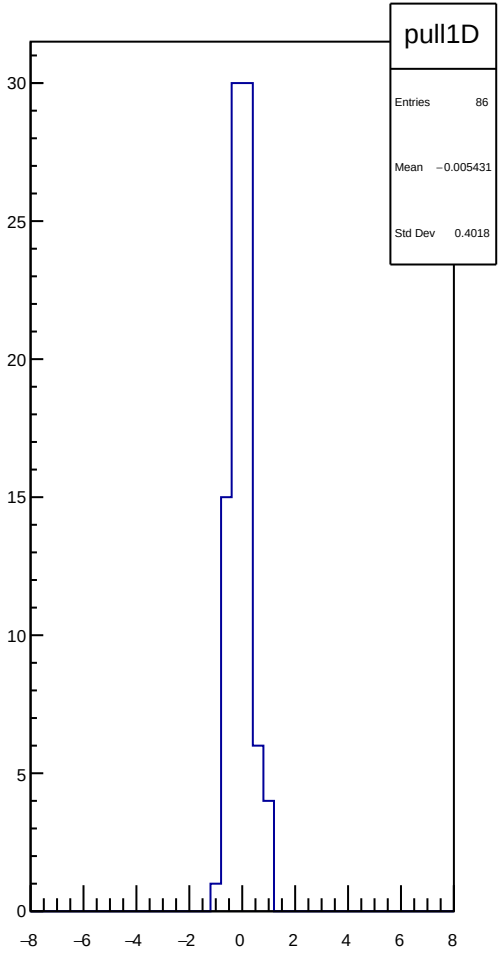

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 13.48 / 85
p0 468.3 ± 13.8
700
600
500
400
300
200
pull
Entries 86
Mean 58.36
Std Dev 0
0.5
0
−0.5
−1
−1.5

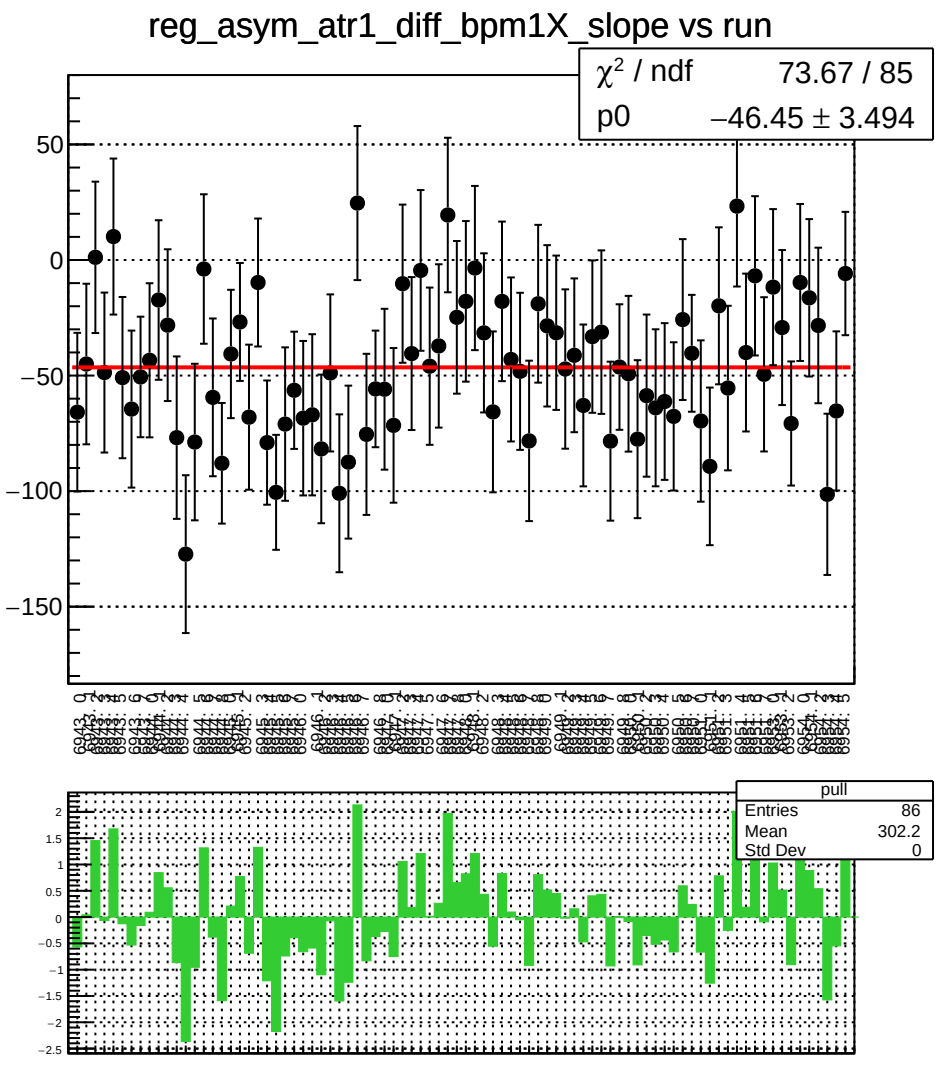

pull1D
Entries 86
Mean 0.03376
Std Dev 0.3945
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

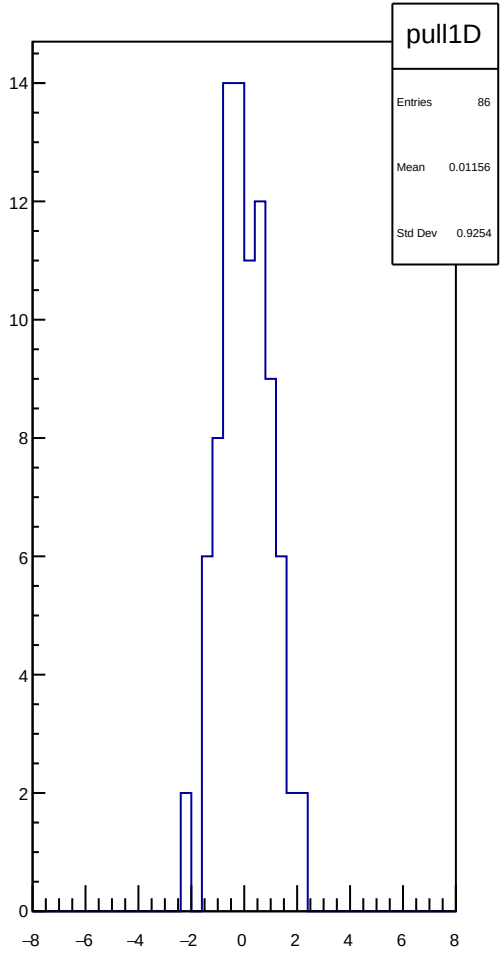

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.98 / 85
p0 138.3 ± 11.84
pull
Entries 86
Mean 216.4
Std Dev 0

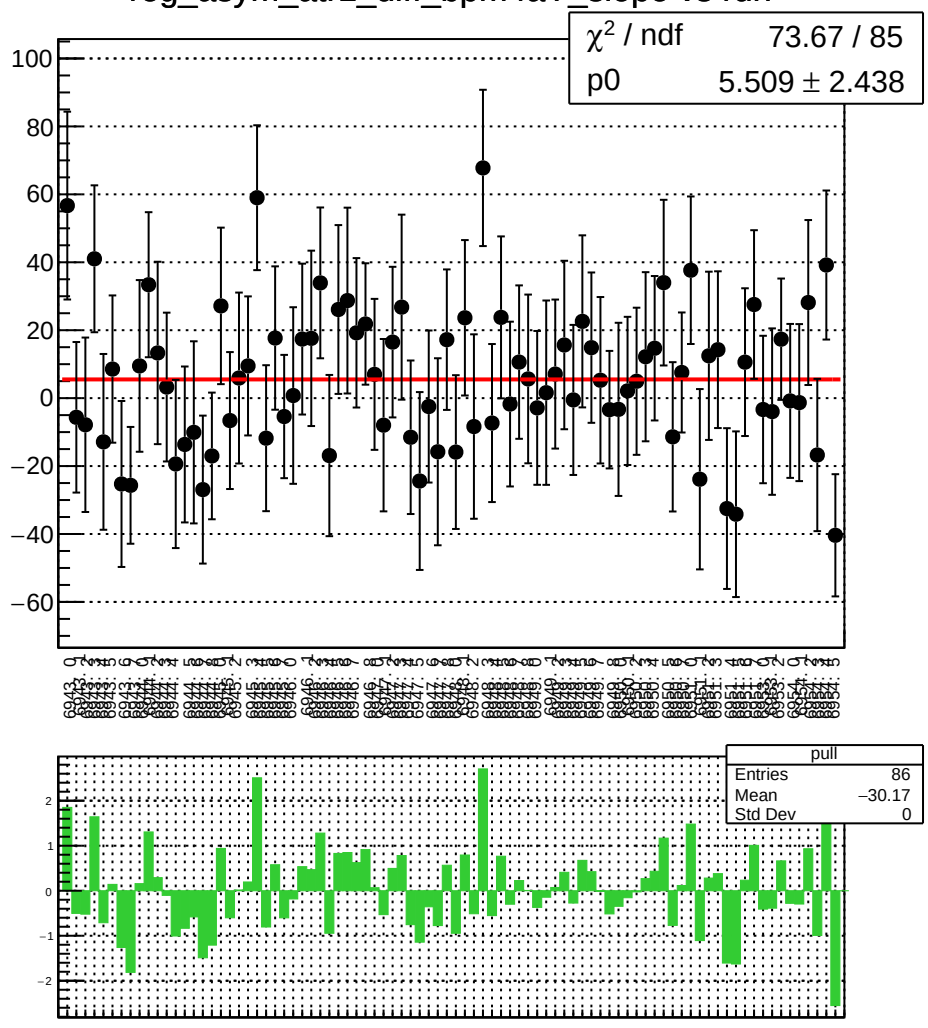

pull1D
Entries 86
Mean −0.01198
Std Dev 0.2846

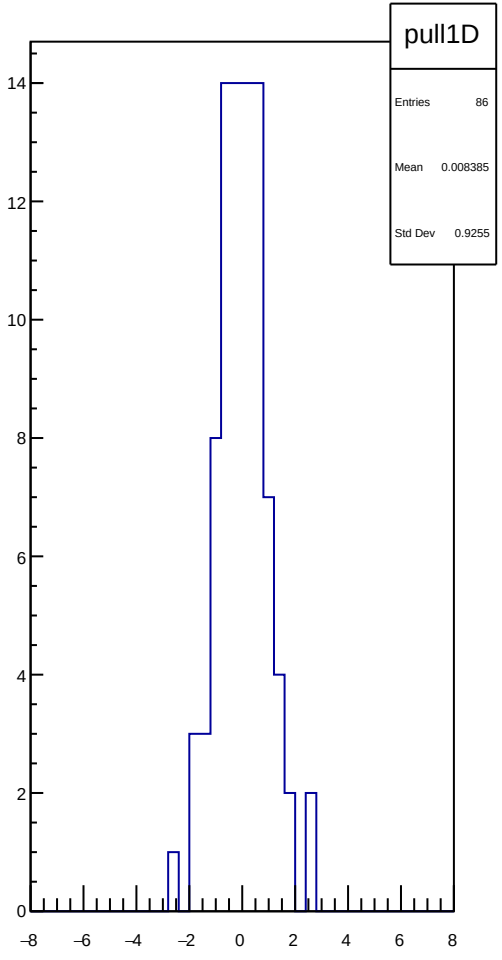

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 13.89 / 85
p0 −286.8 ± 0.4612
pull
Entries 86
Mean −336.1
Std Dev 0

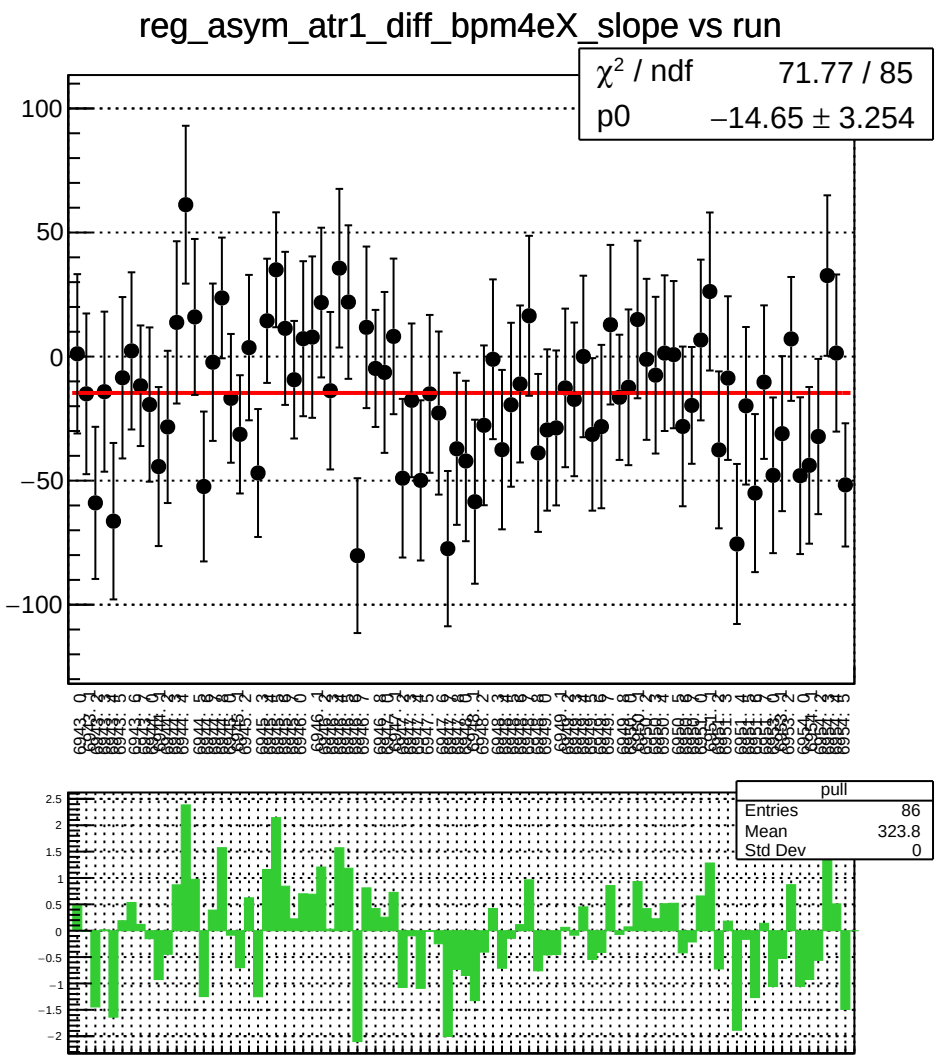

pull1D
Entries 86
Mean −0.005431
Std Dev 0.4018

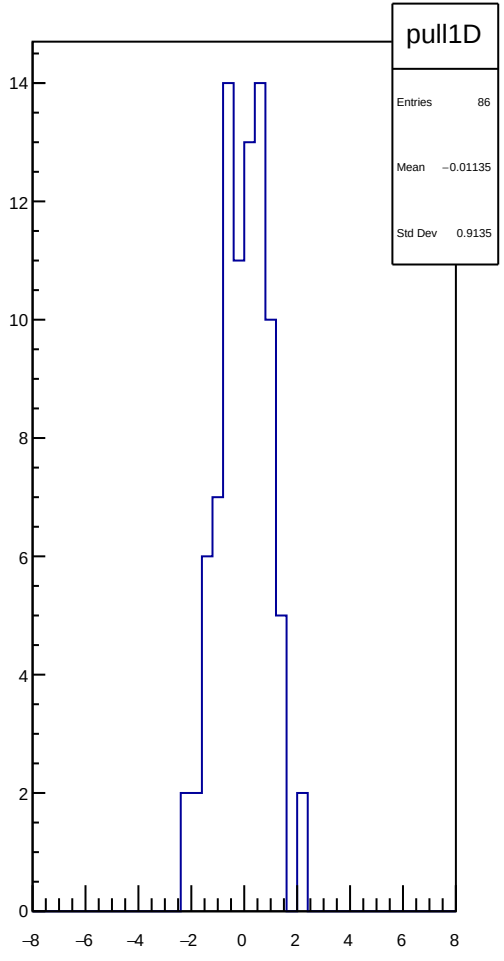

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 73.67 / 85
p0 −46.45 ± 3.494
50
0
−50
−100
−150
pull
Entries 86
Mean 302.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

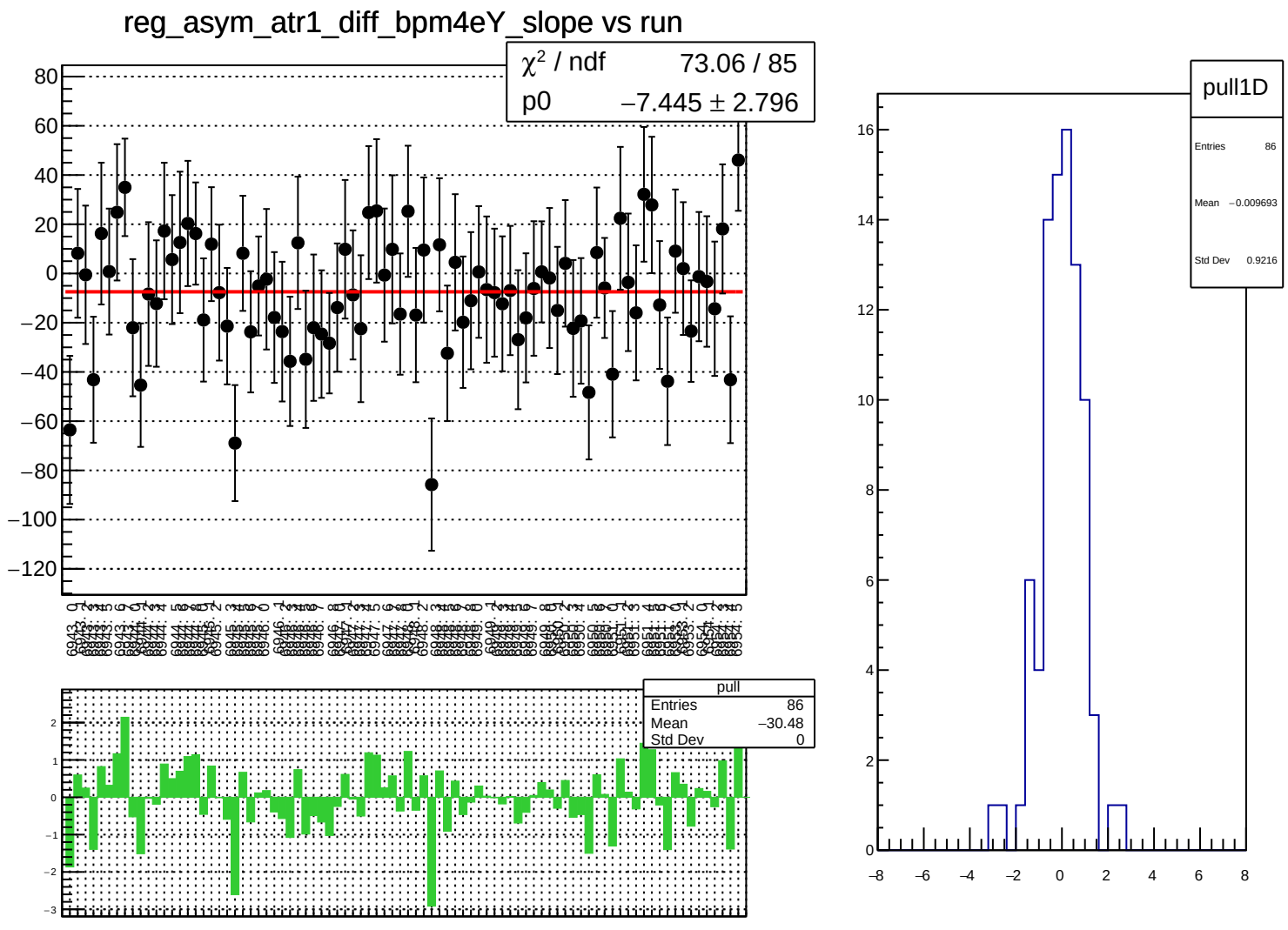

pull1D
Entries 86
Mean 0.01156
Std Dev 0.9254
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

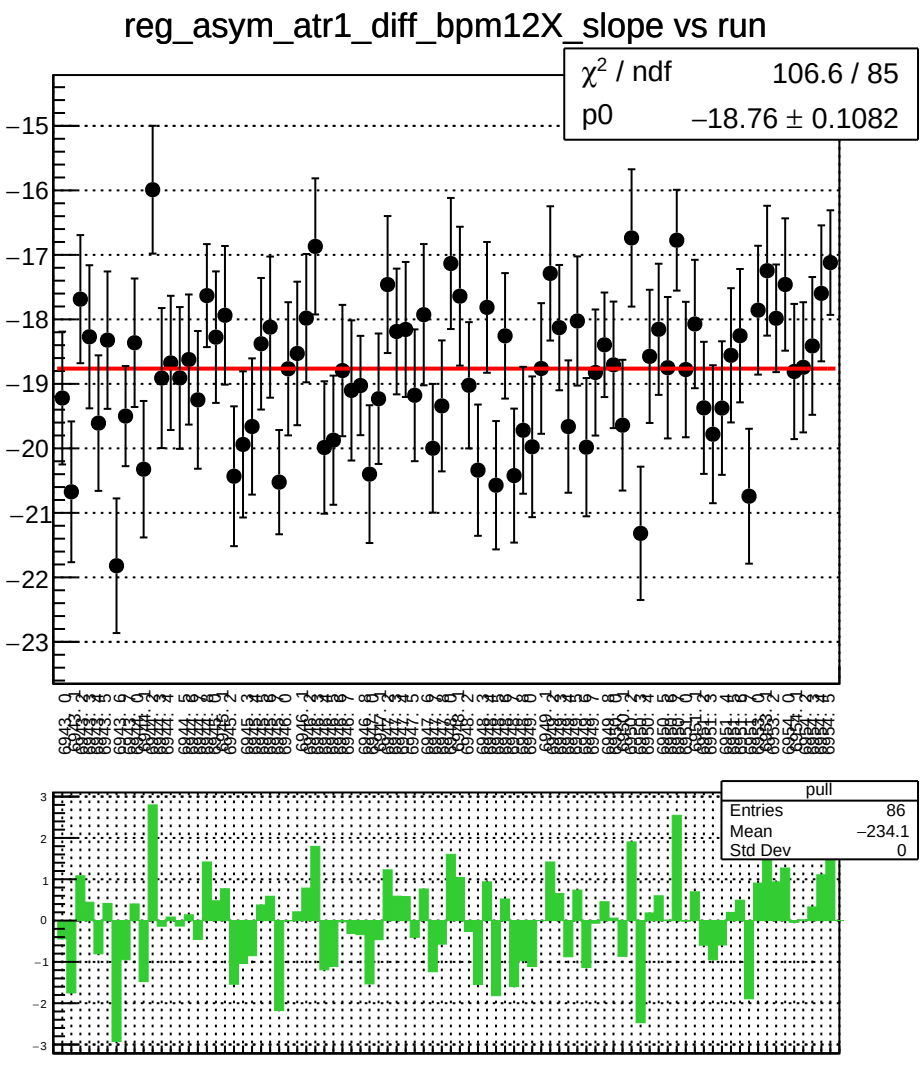

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 73.67 / 85
p0 5.509 ± 2.438
pull
Entries 86
Mean −30.17
Std Dev 0

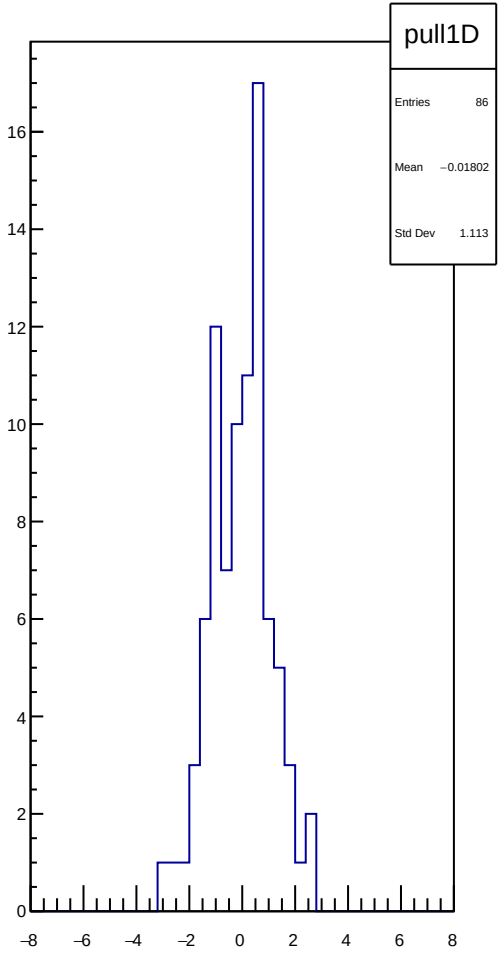

pull1D
Entries 86
Mean 0.008385
Std Dev 0.9255

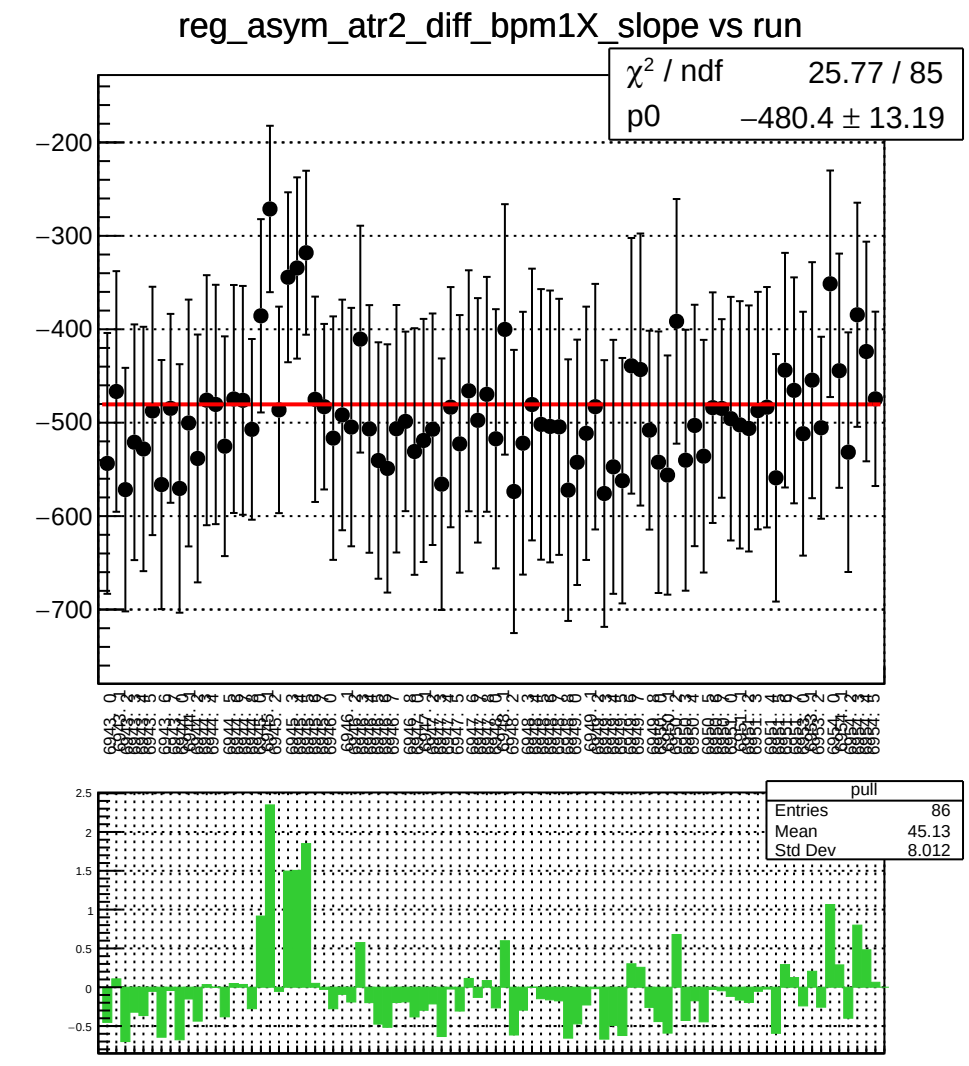

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 71.77 / 85
p0 −14.65 ± 3.254
100
50
0
−50
−100
pull
Entries 86
Mean 323.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

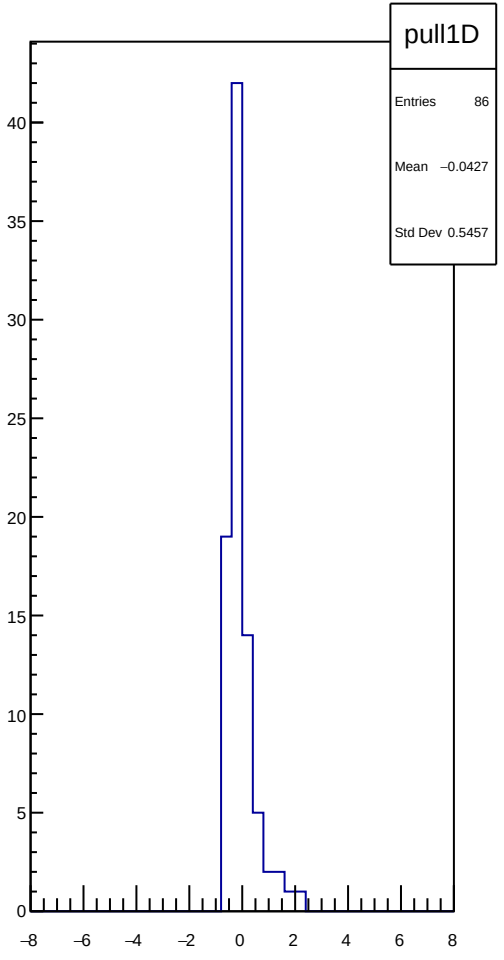

pull1D
Entries 86
Mean −0.01135
Std Dev 0.9135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

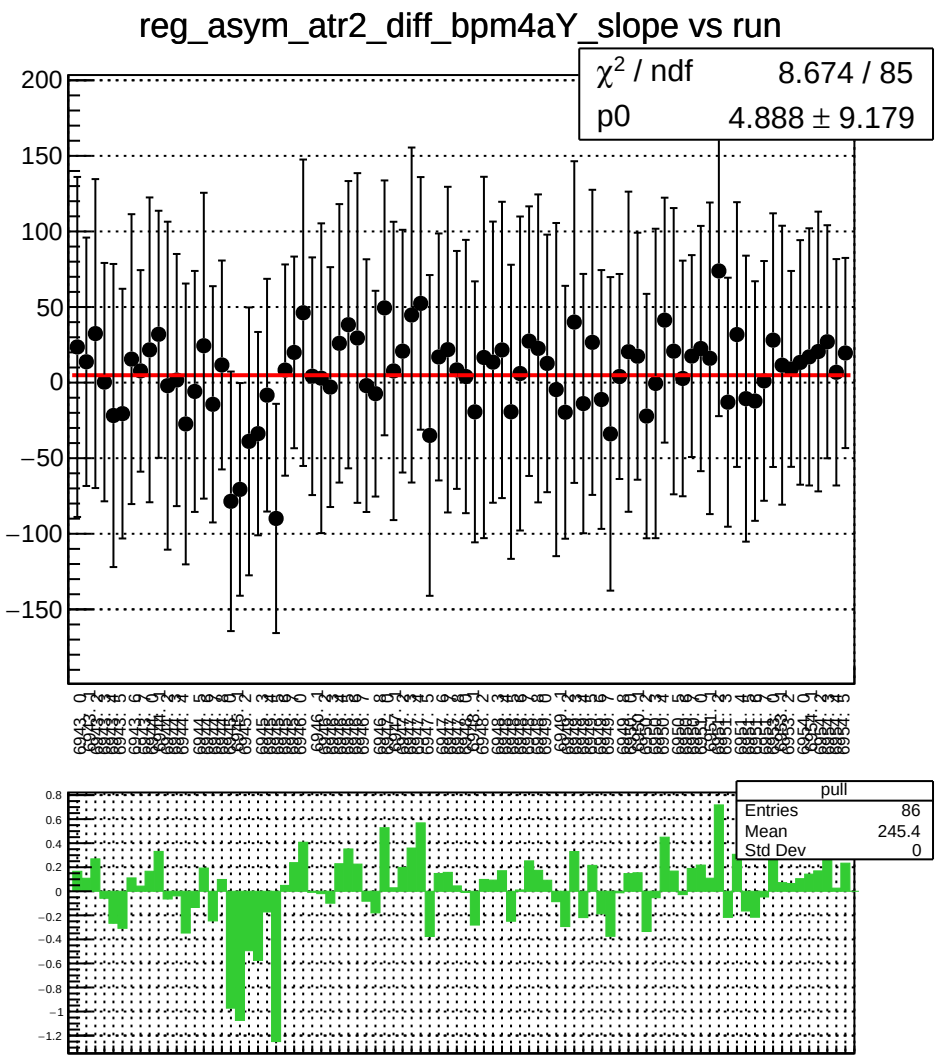

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 73.06 / 85
p0 −7.445 ± 2.796
pull
Entries 86
Mean −30.48
Std Dev 0
pull1D
Entries 86
Mean −0.009693
Std Dev 0.9216

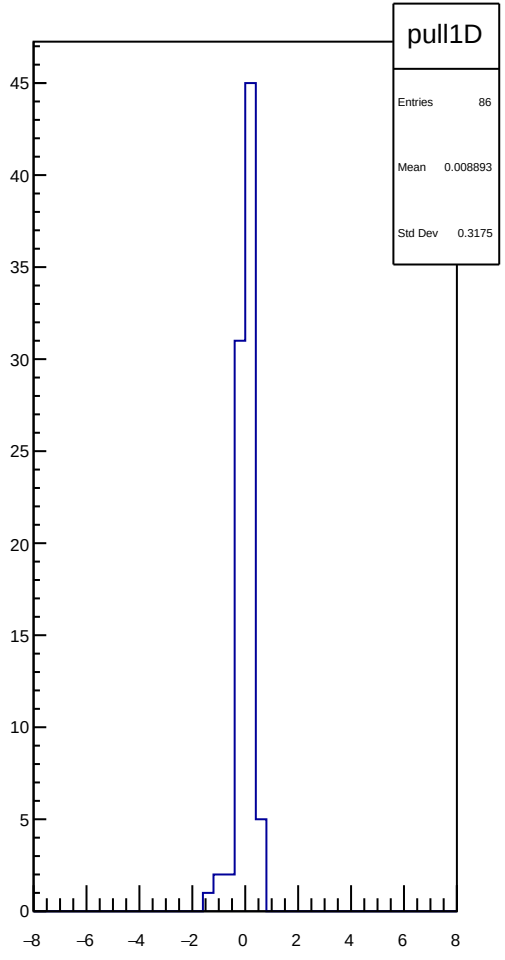

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 106.6 / 85
p0 −18.76 ± 0.1082
pull
Entries 86
Mean −234.1
Std Dev 0

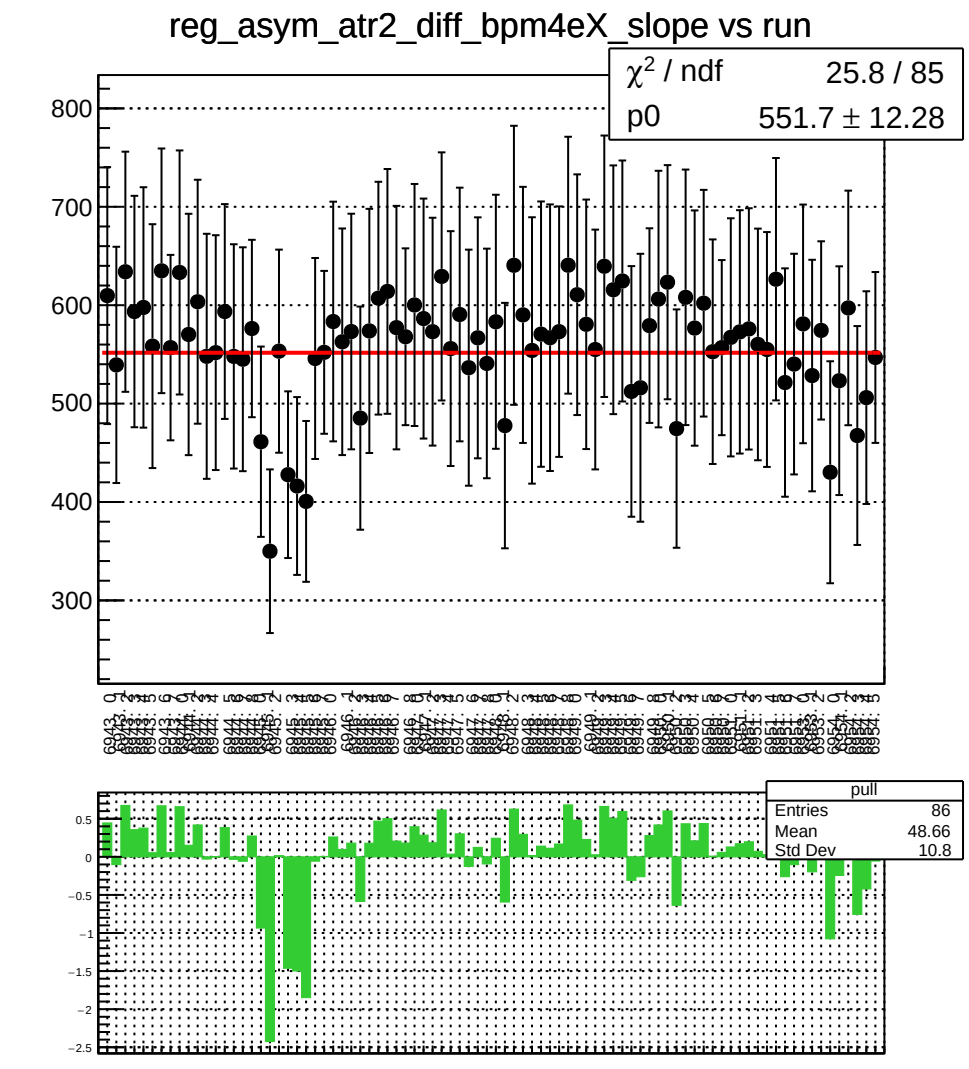

pull1D
Entries 86
Mean −0.01802
Std Dev 1.113

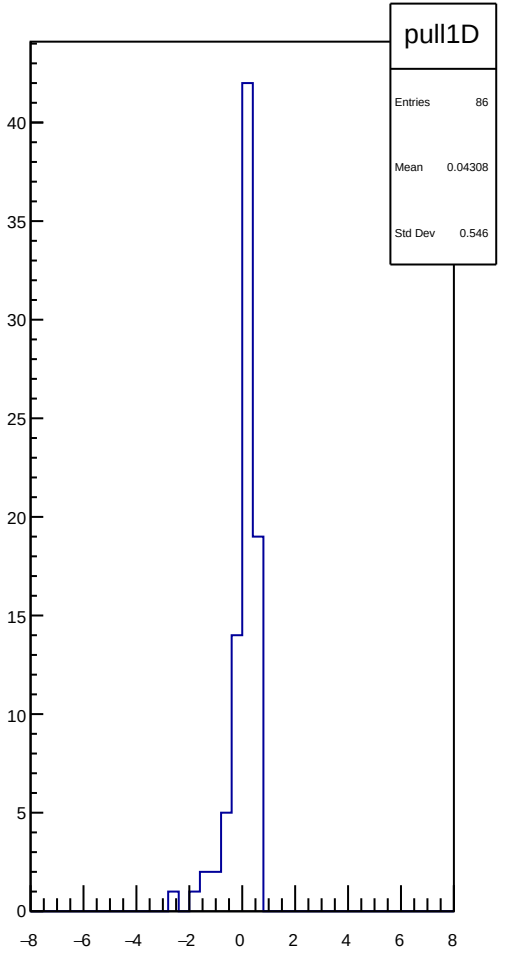

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 25.77 / 85
p0 −480.4 ± 13.19
pull
Entries 86
Mean 45.13
Std Dev 8.012

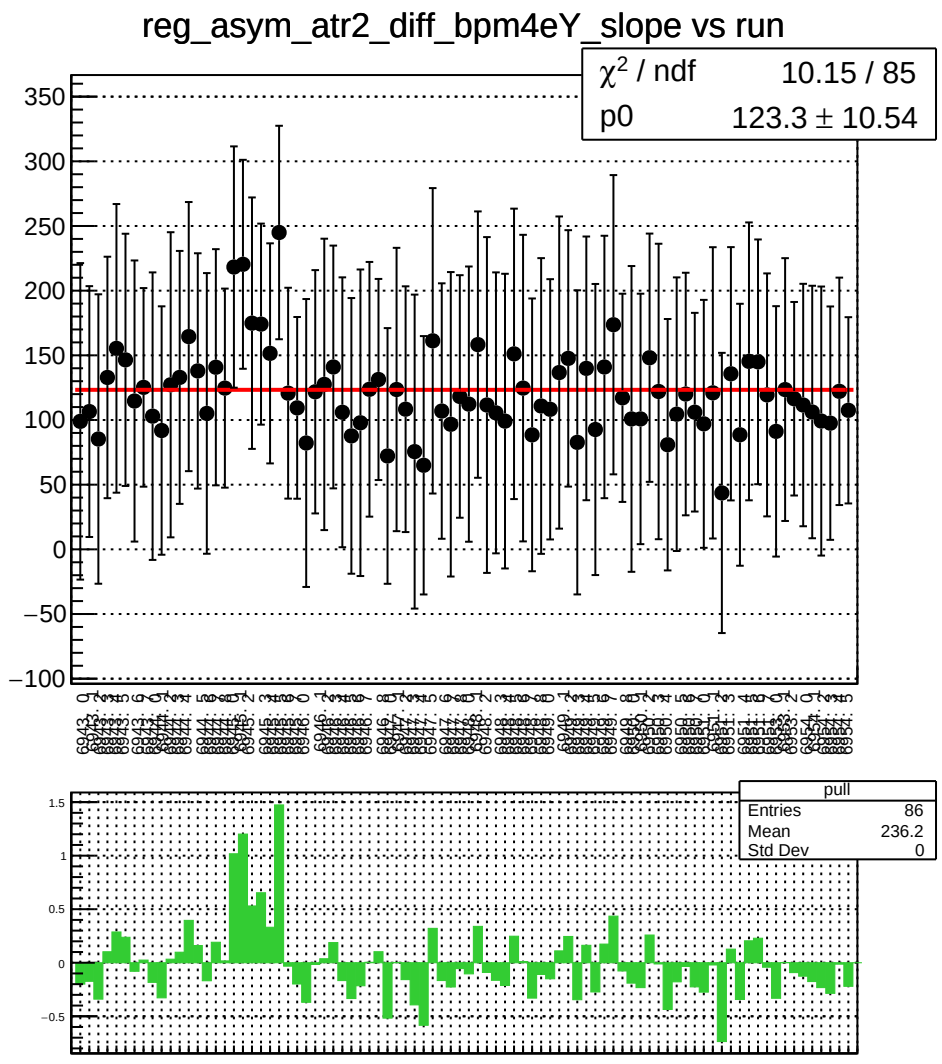

pull1D
Entries 86
Mean −0.0427
Std Dev 0.5457

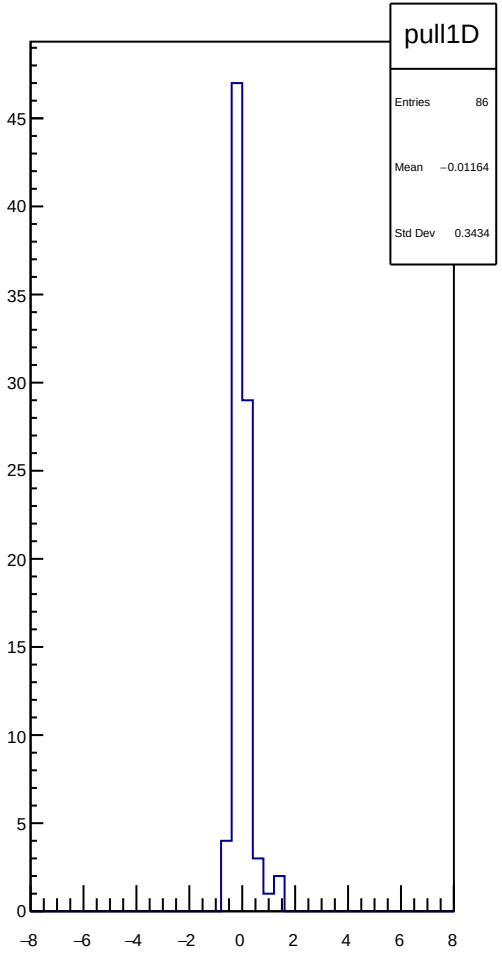

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 8.674 / 85
p0 4.888 ± 9.179
pull
Entries 86
Mean 245.4
Std Dev 0

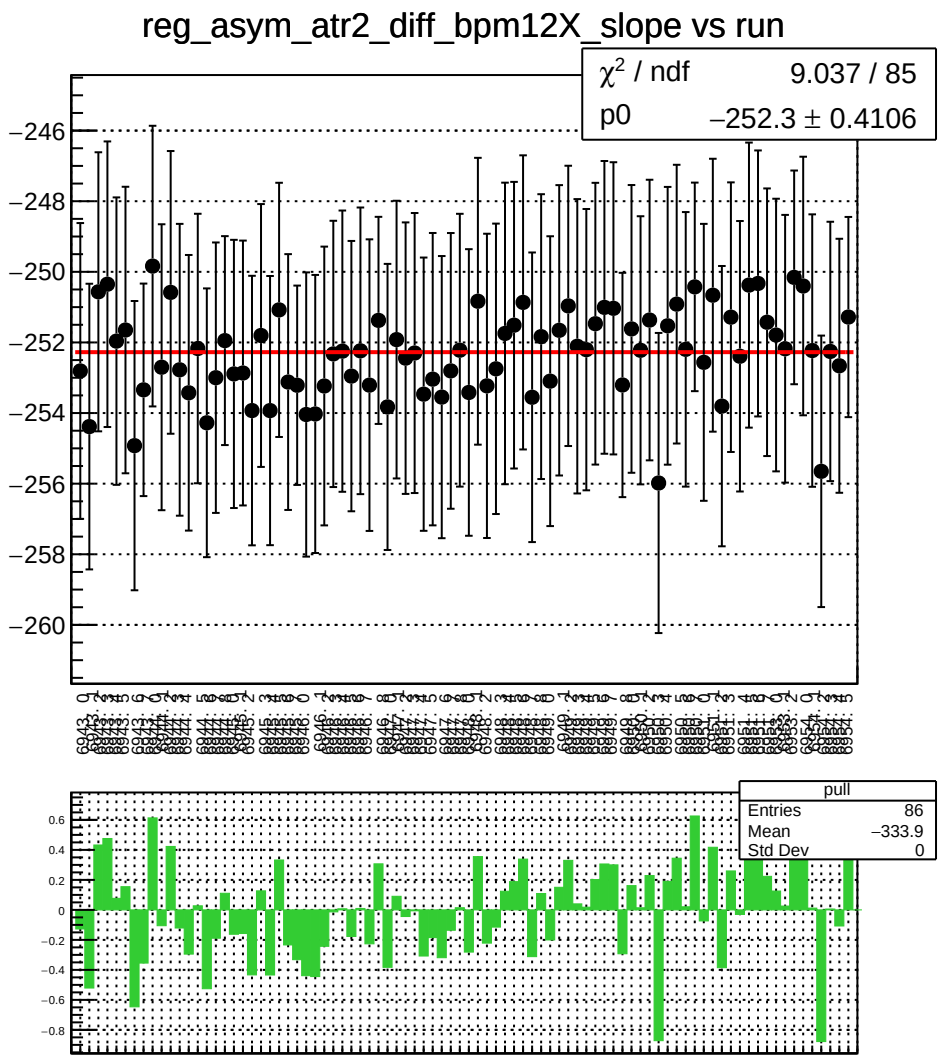

pull1D
Entries 86
Mean 0.008893
Std Dev 0.3175

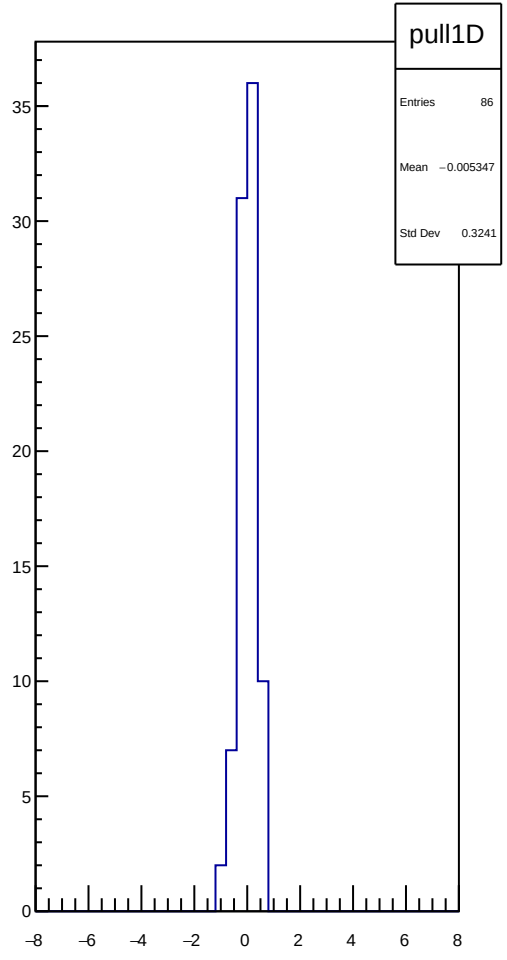

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 25.8 / 85
p0 551.7 ± 12.28
800
700
600
500
400
300
pull
Entries 86
Mean 48.66
Std Dev 10.8
0.5
0
−0.5
−1
−1.5
−2
−2.5

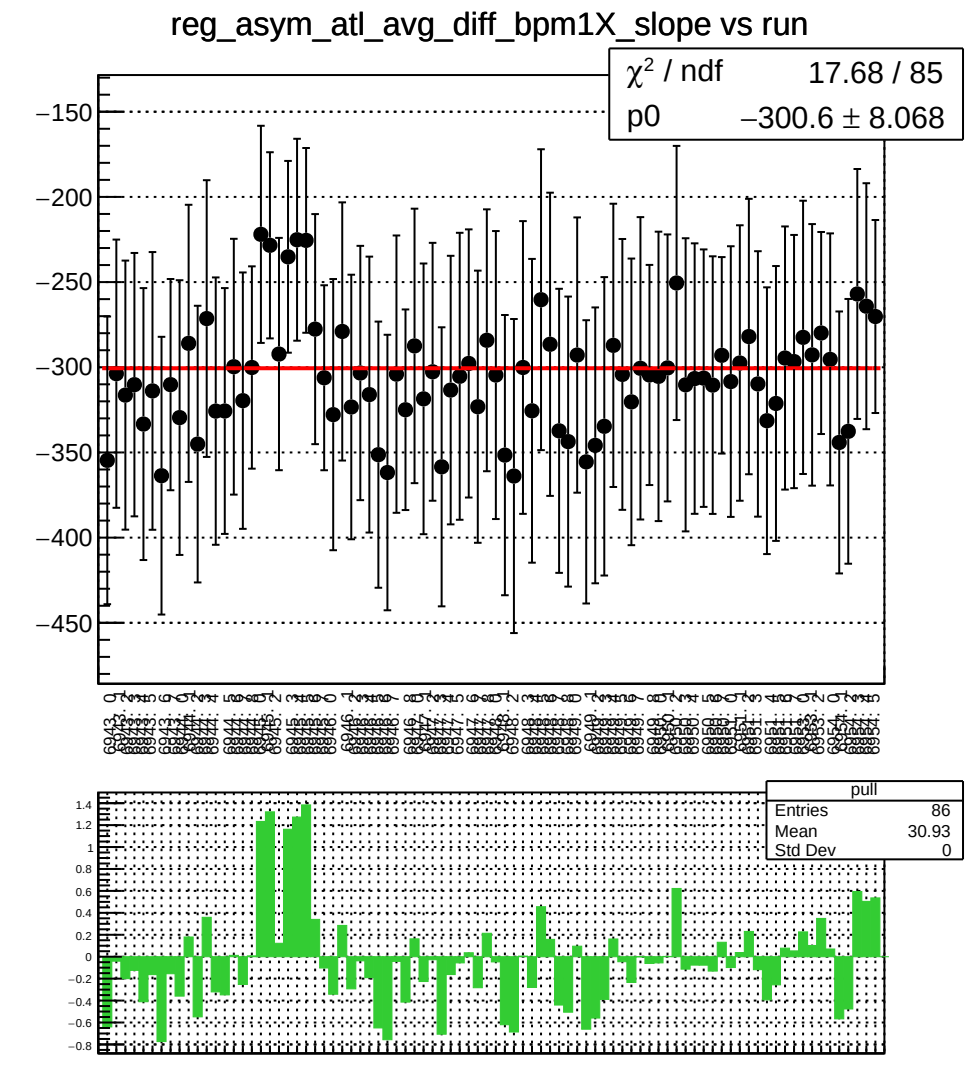

pull1D
Entries 86
Mean 0.04308
Std Dev 0.546
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

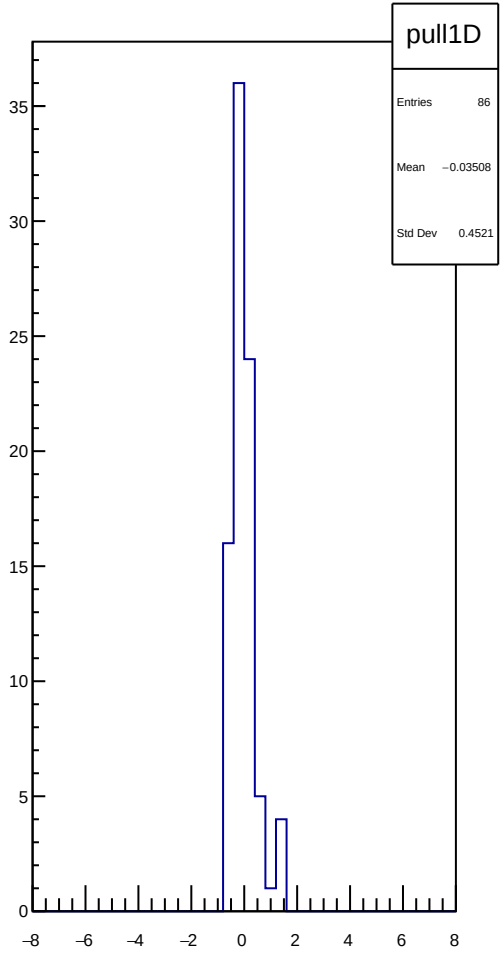

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 10.15 / 85
p0 123.3 ± 10.54
pull
Entries 86
Mean 236.2
Std Dev 0

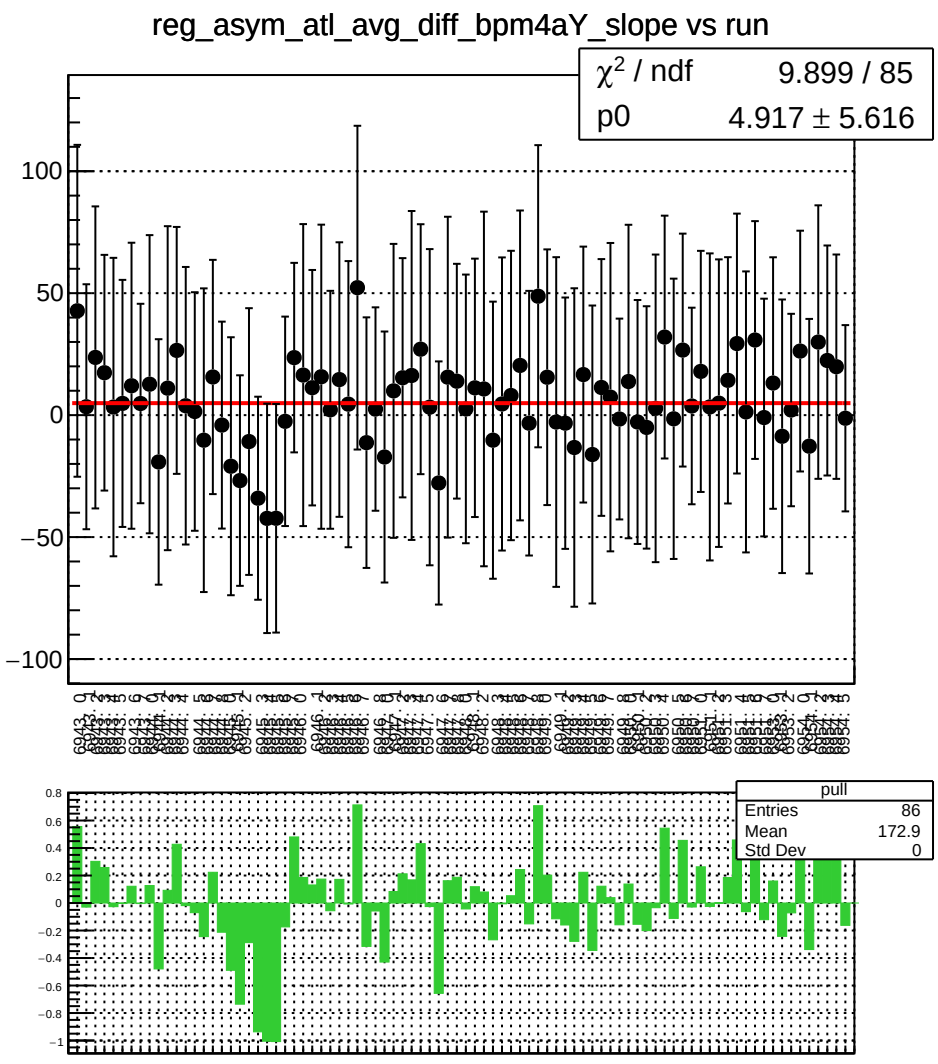

pull1D
Entries 86
Mean −0.01164
Std Dev 0.3434

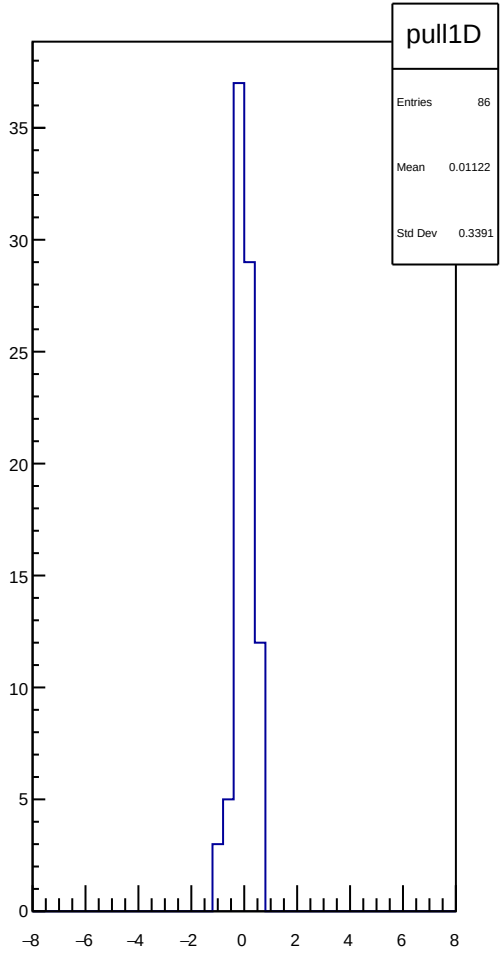

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 9.037 / 85
p0 −252.3 ± 0.4106
pull
Entries 86
Mean −333.9
Std Dev 0

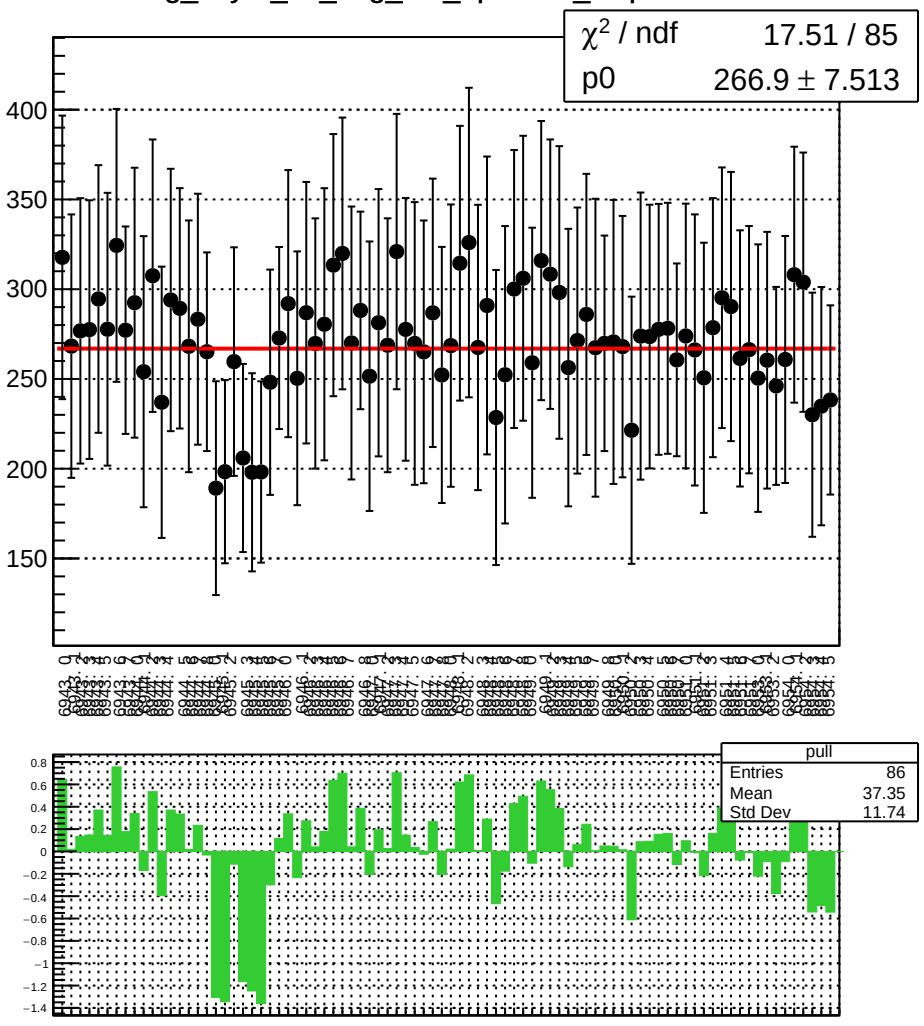

pull1D
Entries 86
Mean −0.005347
Std Dev 0.3241

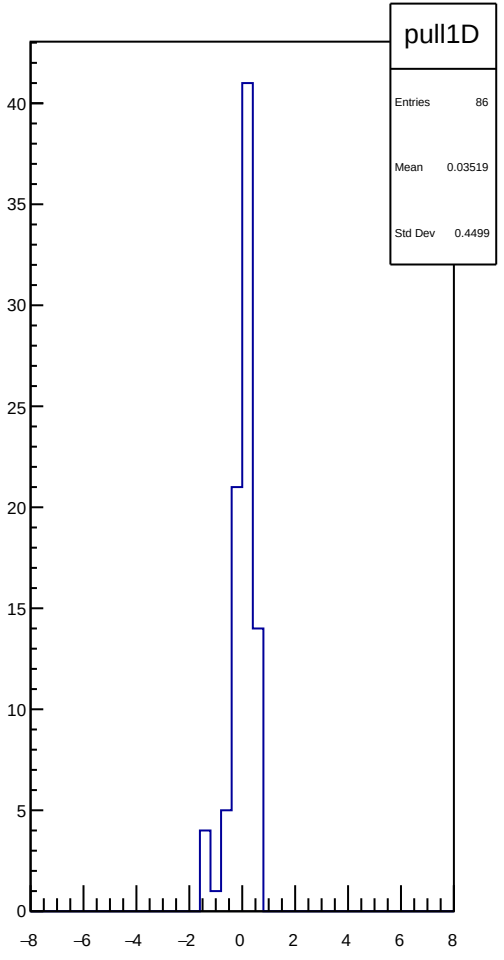

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 17.68 / 85
p0 −300.6 ± 8.068
pull
Entries 86
Mean 30.93
Std Dev 0

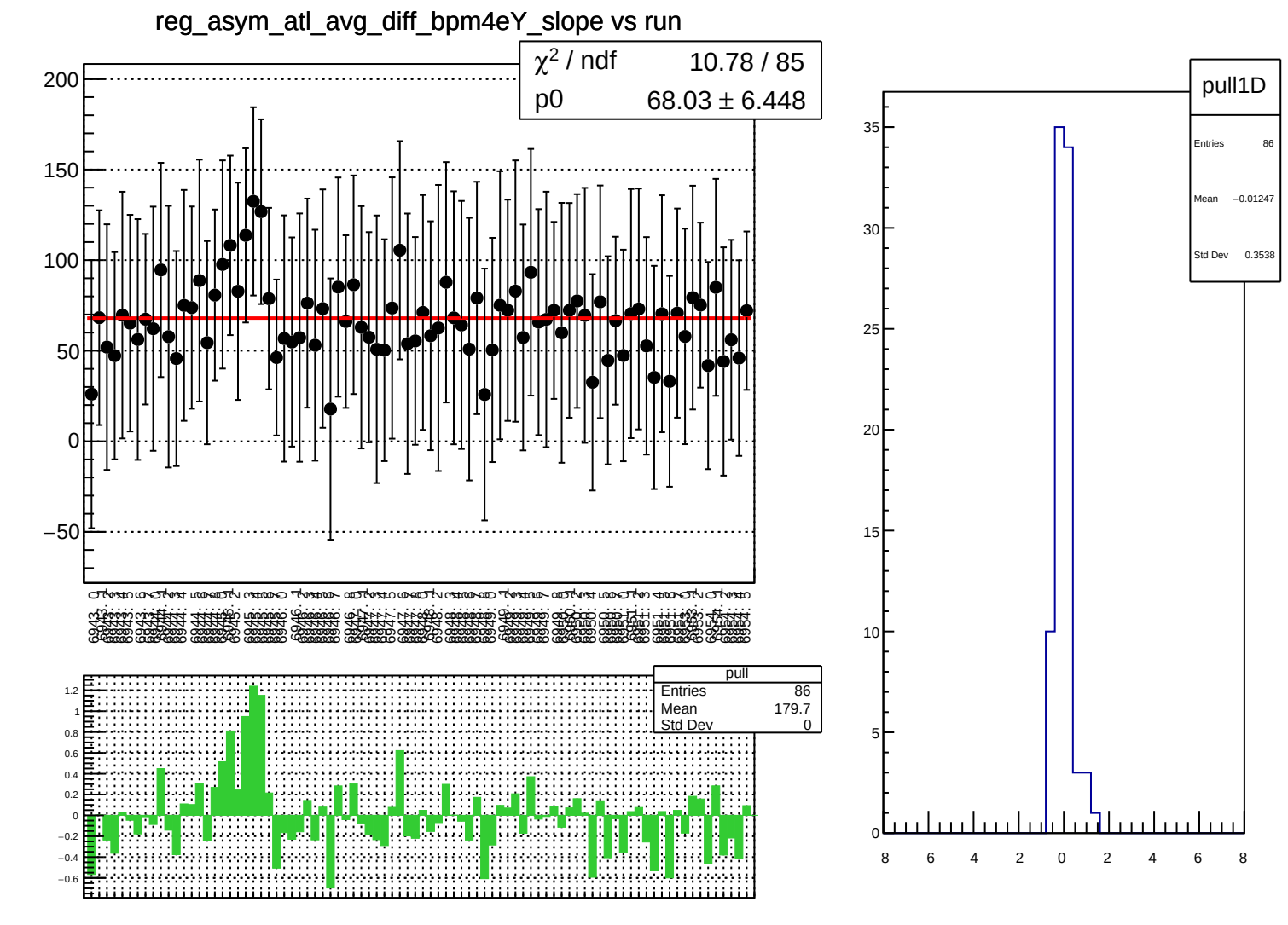

pull1D
Entries 86
Mean −0.03508
Std Dev 0.4521

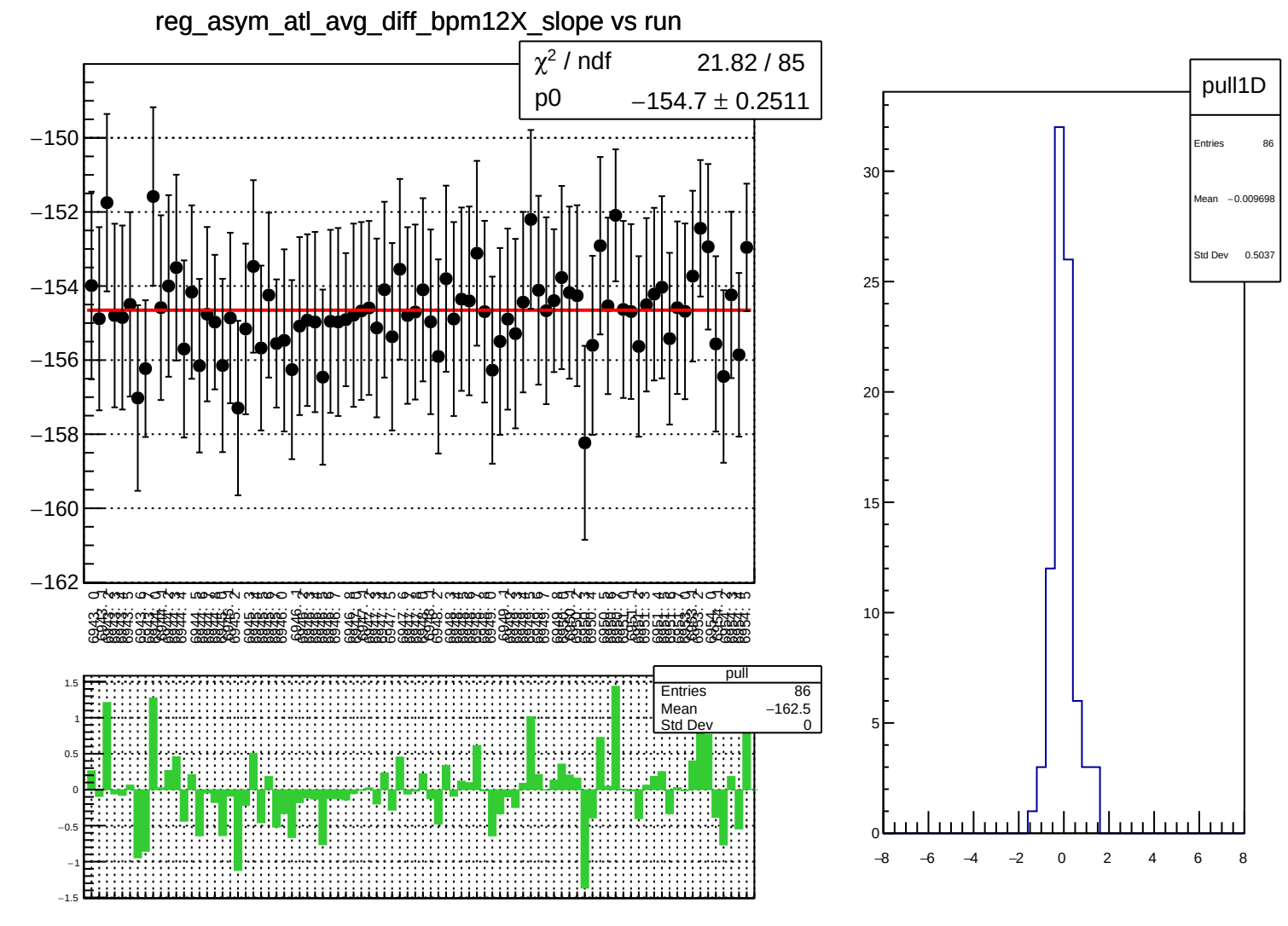

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.899 / 85
p0 4.917 ± 5.616
100
50
0
−50
−100
pull
Entries 86
Mean 172.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

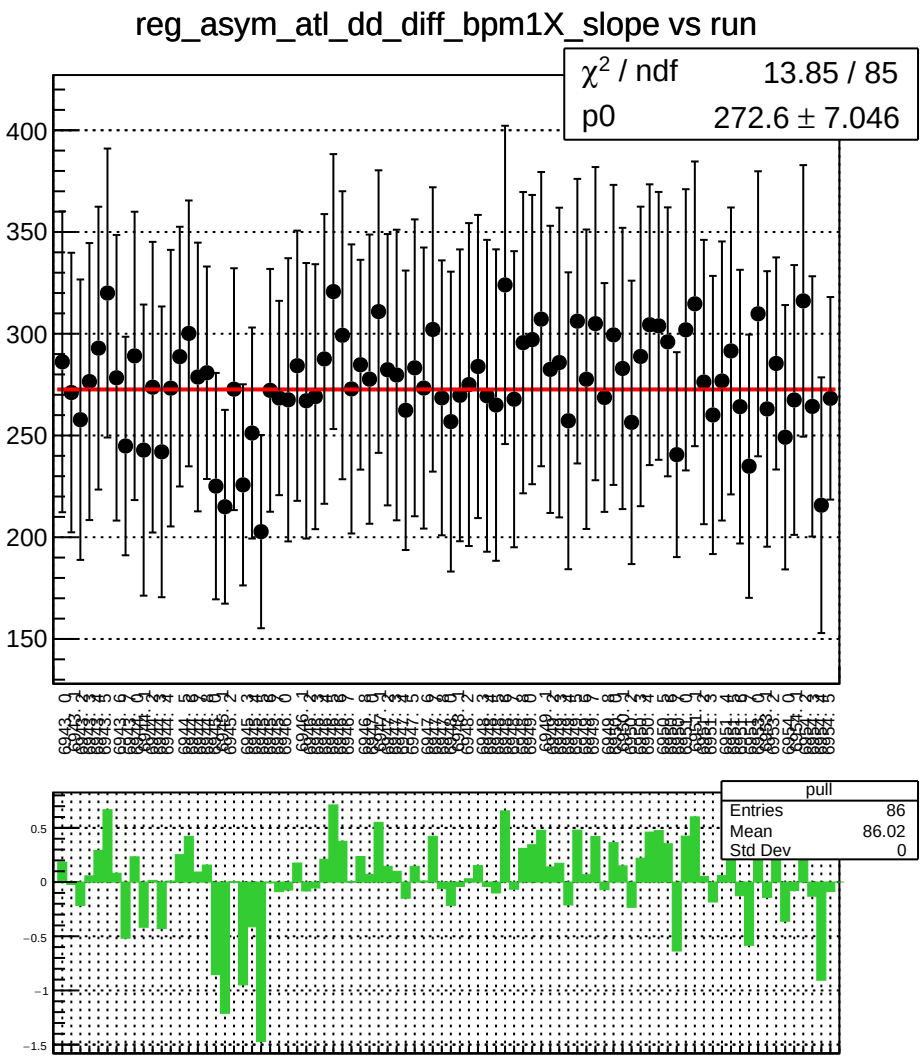

pull1D
Entries 86
Mean 0.01122
Std Dev 0.3391
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

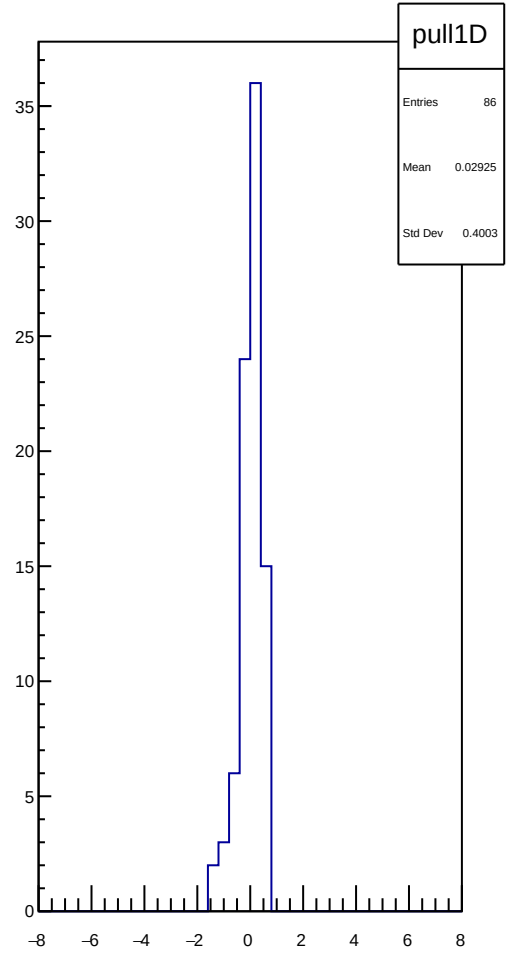

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.51 / 85
p0 266.9 ± 7.513
pull
Entries 86
Mean 37.35
Std Dev 11.74

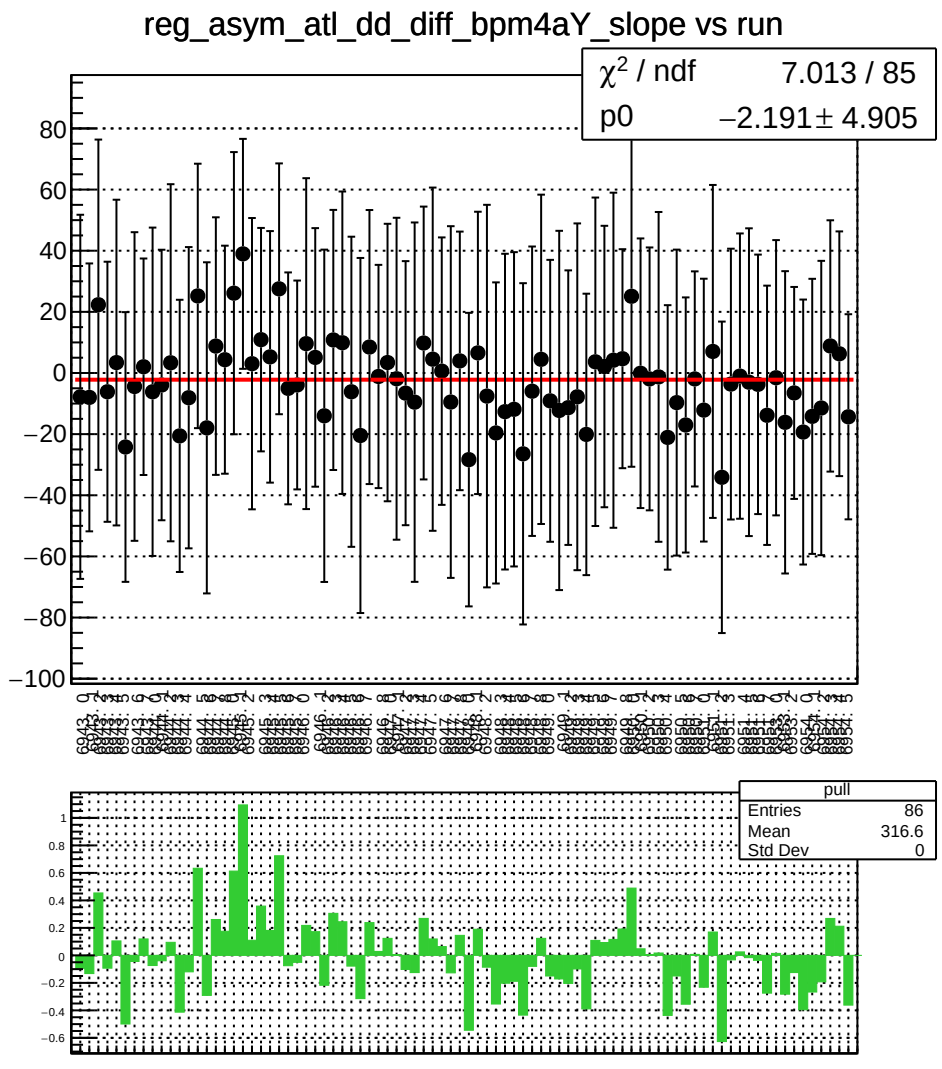

pull1D
Entries 86
Mean 0.03519
Std Dev 0.4499

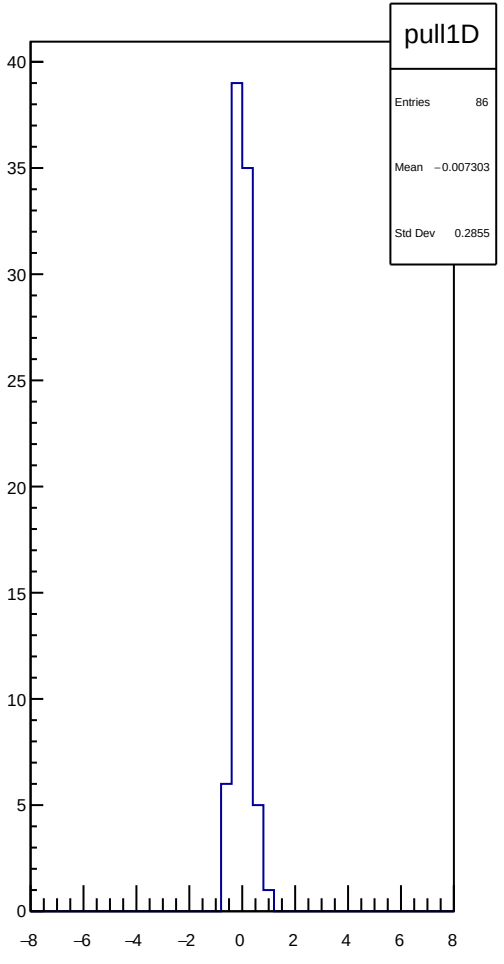

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.78 / 85
p0 68.03 ± 6.448
200
150
100
50
0
−50
pull
Entries 86
Mean 179.7
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.01247
Std Dev 0.3538
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

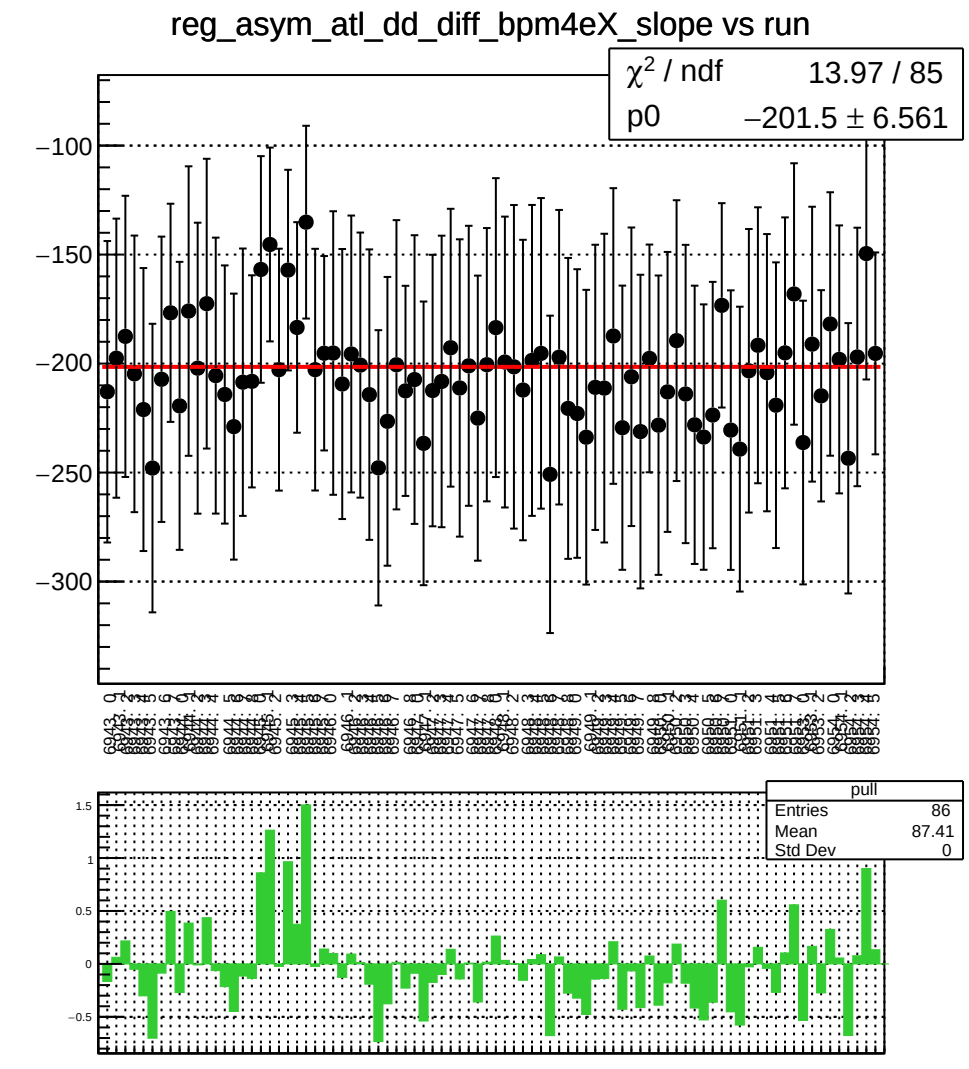

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 21.82 / 85
p0 −154.7 ± 0.2511
pull
Entries 86
Mean −162.5
Std Dev 0
pull1D
Entries 86
Mean −0.009698
Std Dev 0.5037

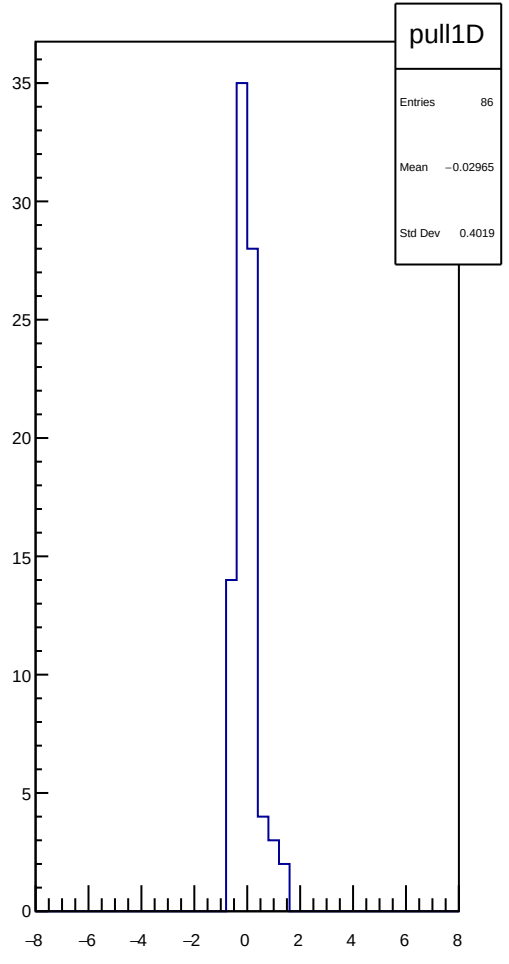

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 13.85 / 85
p0 272.6 ± 7.046
pull
Entries 86
Mean 86.02
Std Dev 0

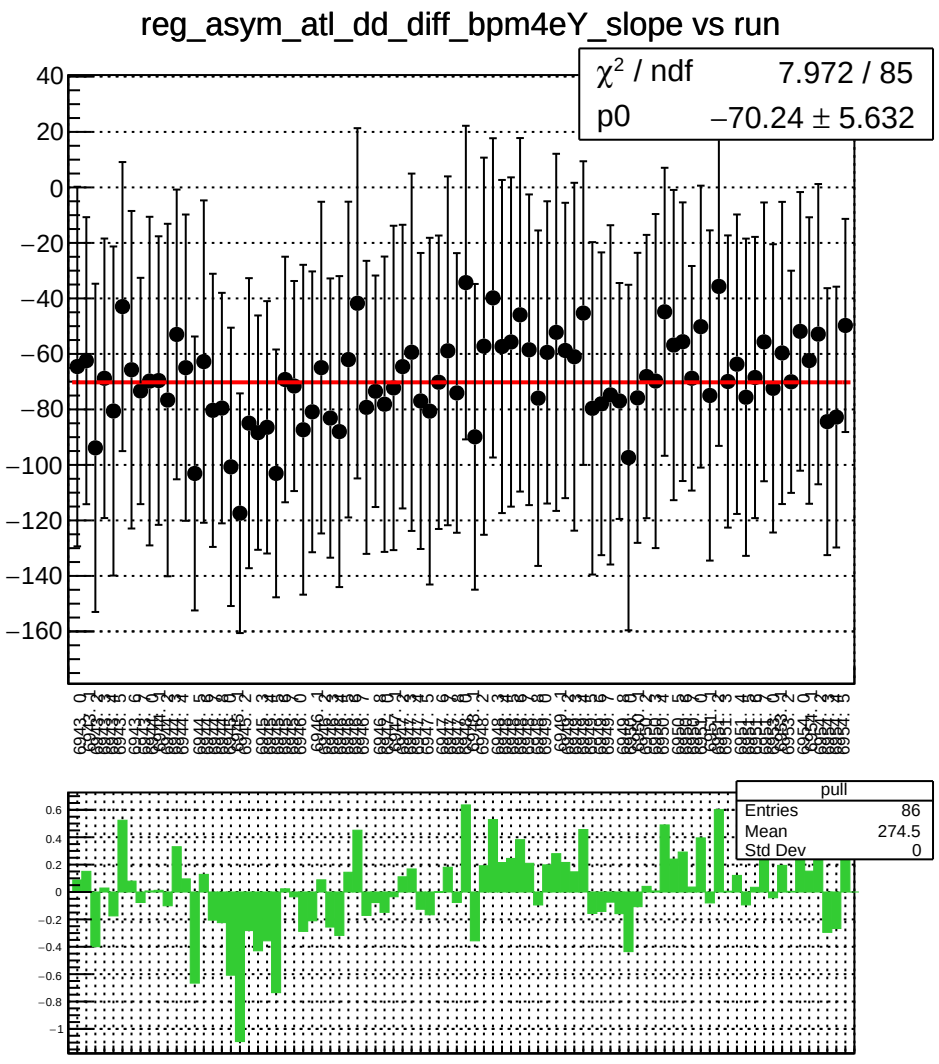

pull1D
Entries 86
Mean 0.02925
Std Dev 0.4003

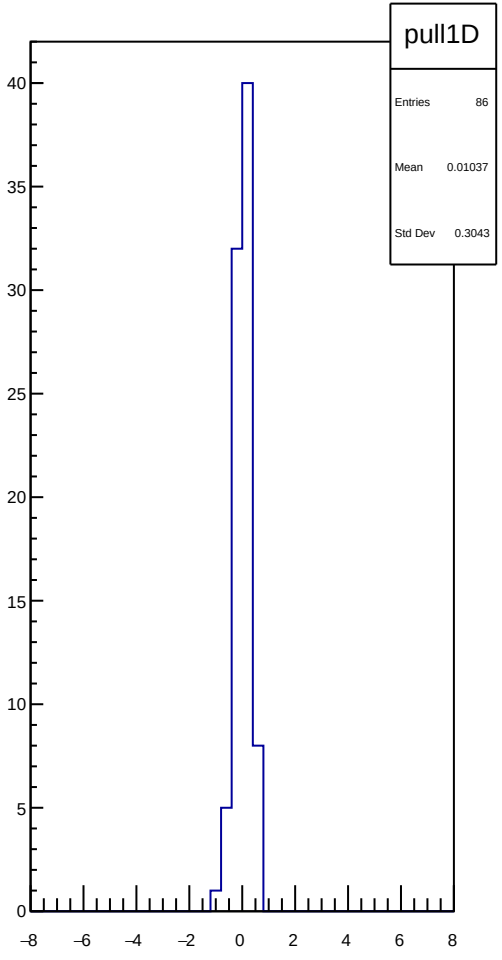

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.013 / 85
p0 −2.191 ± 4.905
pull
Entries 86
Mean 316.6
Std Dev 0

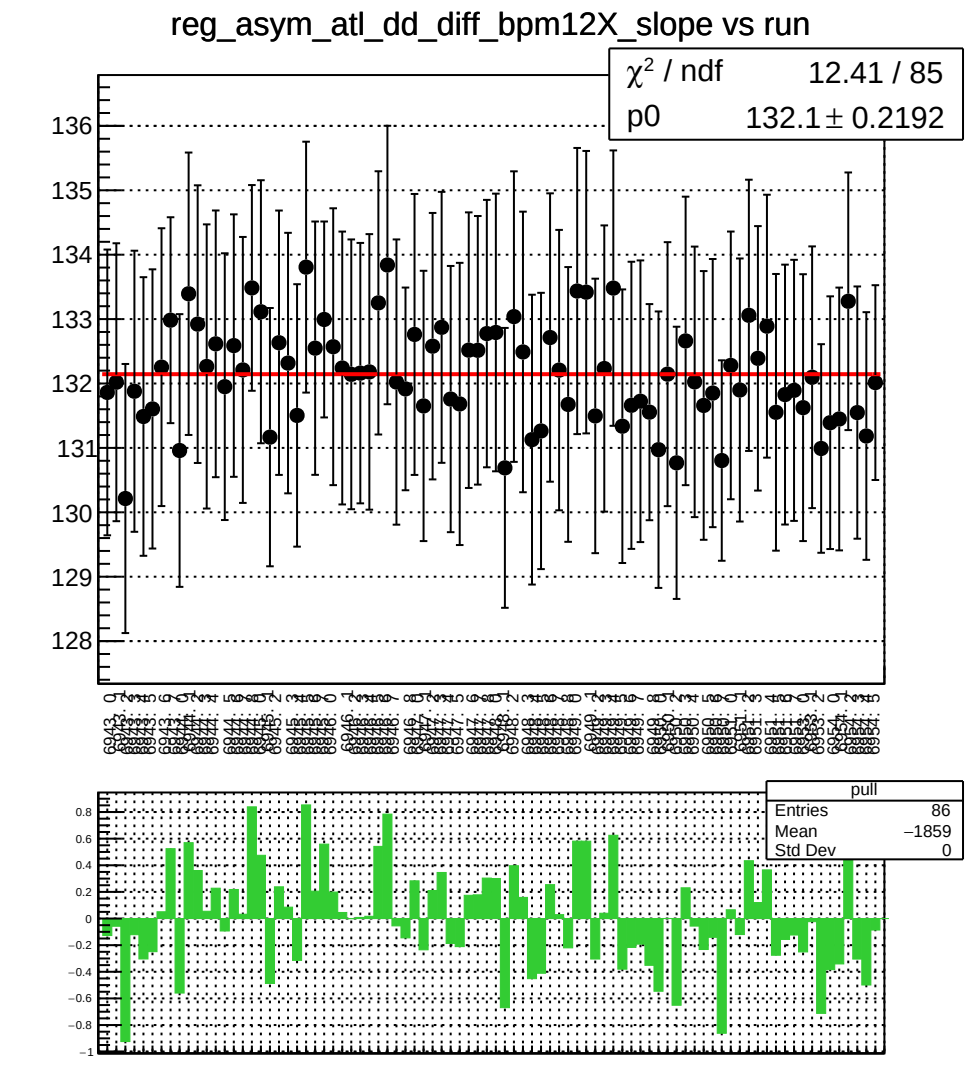

pull1D
Entries 86
Mean −0.007303
Std Dev 0.2855

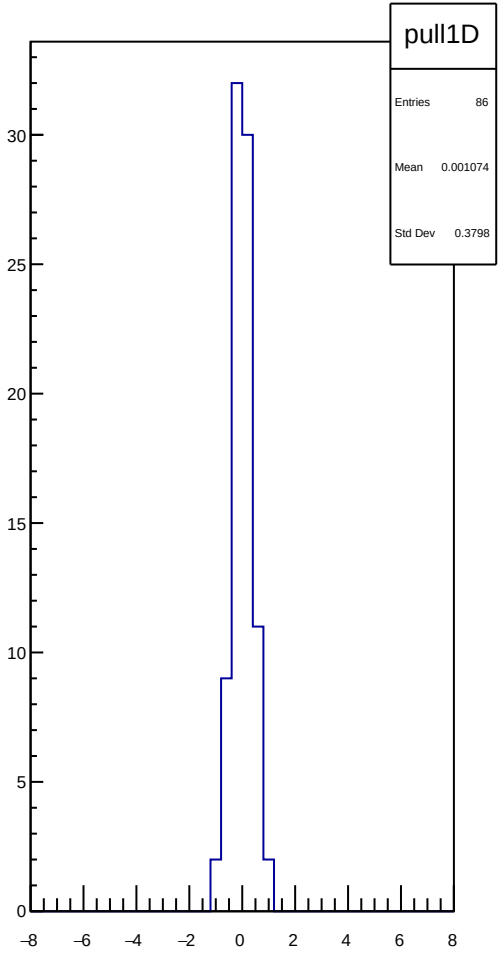

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.97 / 85
p0 −201.5 ± 6.561
−100
−150
−200
−250
−300
pull
Entries 86
Mean 87.41
Std Dev 0
1.5
1
0.5
0
−0.5

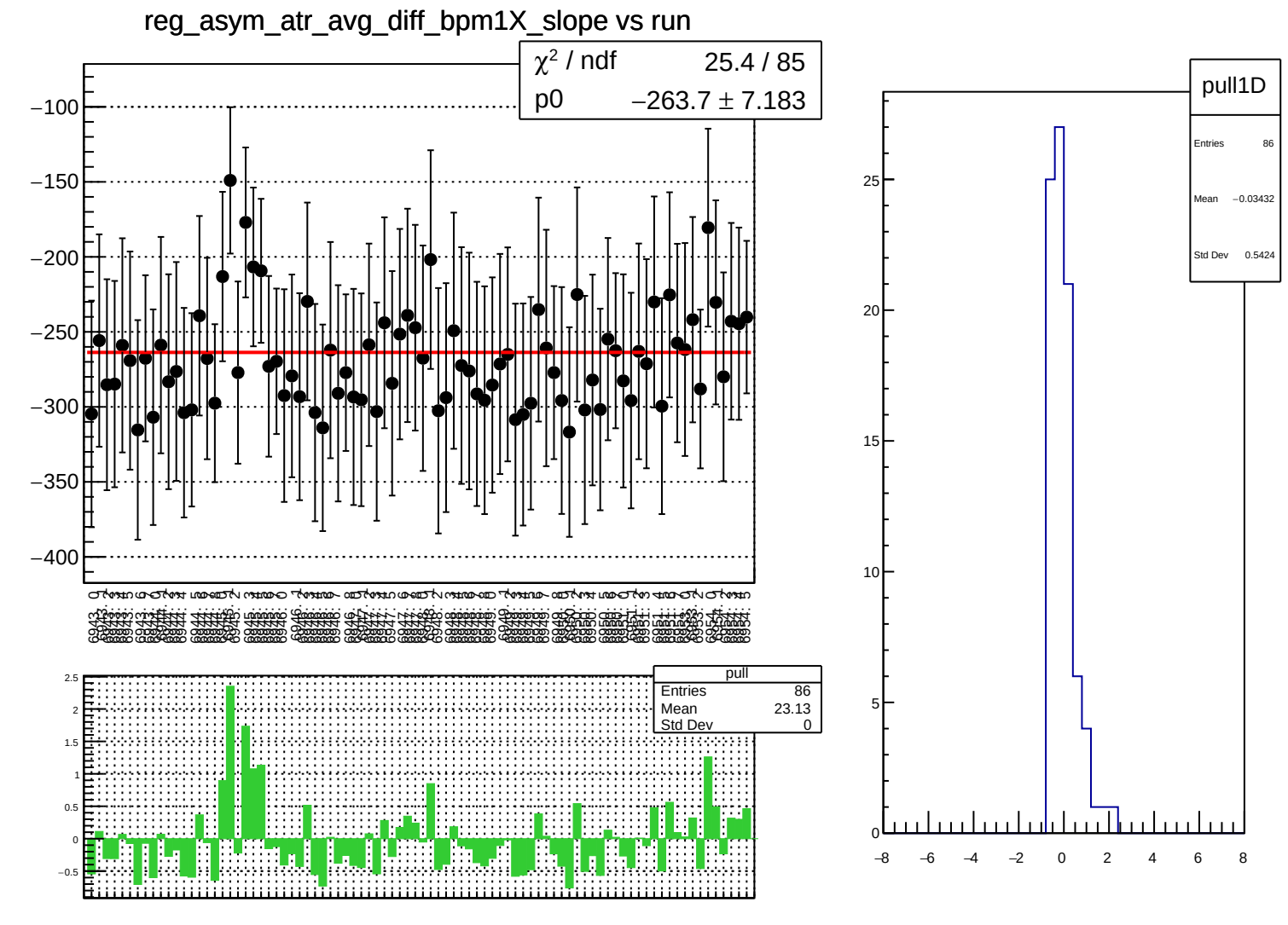

pull1D
Entries 86
Mean −0.02965
Std Dev 0.4019
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

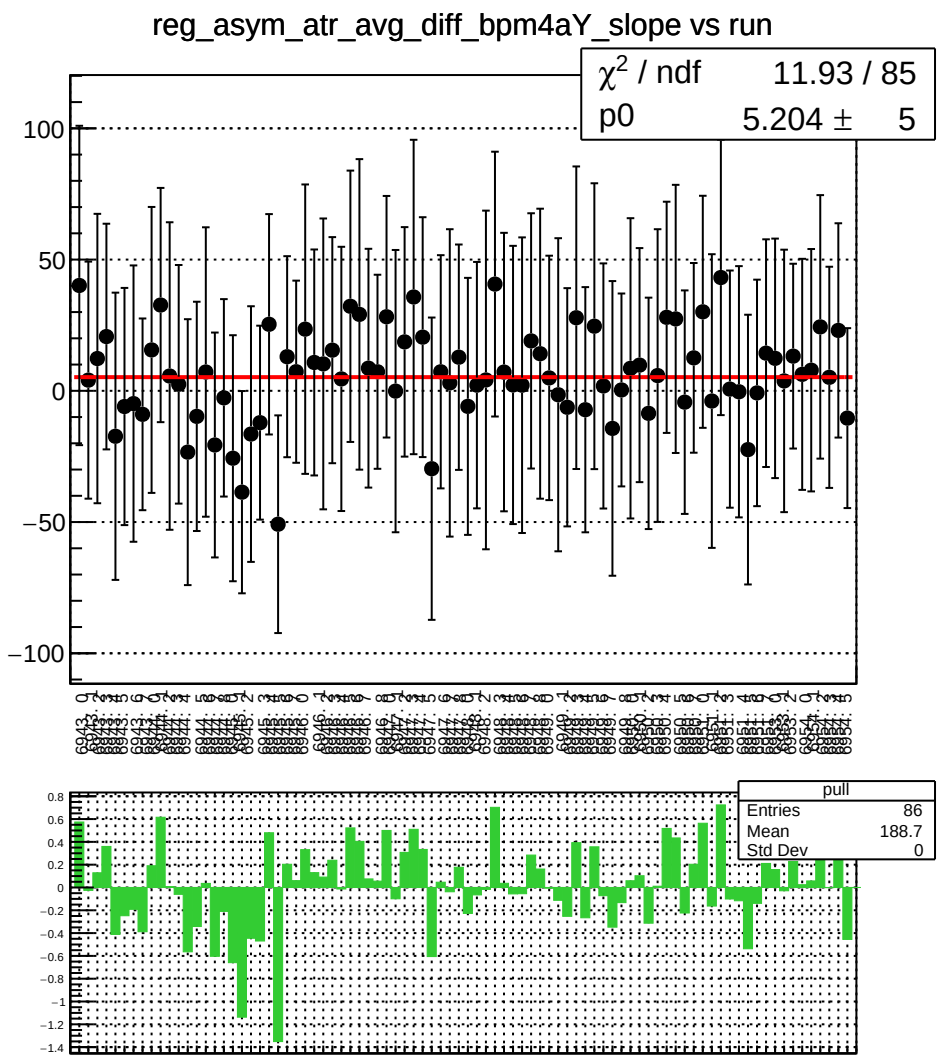

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.972 / 85
p0 −70.24 ± 5.632
pull
Entries 86
Mean 274.5
Std Dev 0

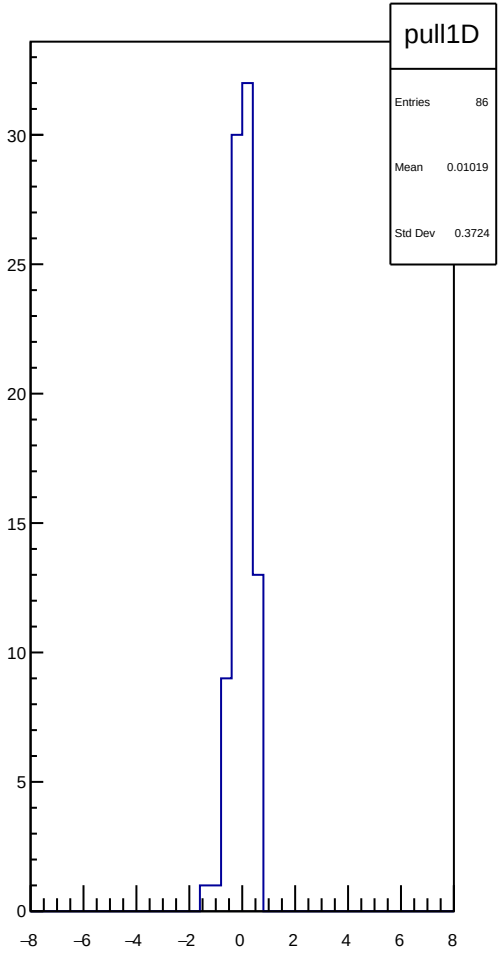

pull1D
Entries 86
Mean 0.01037
Std Dev 0.3043

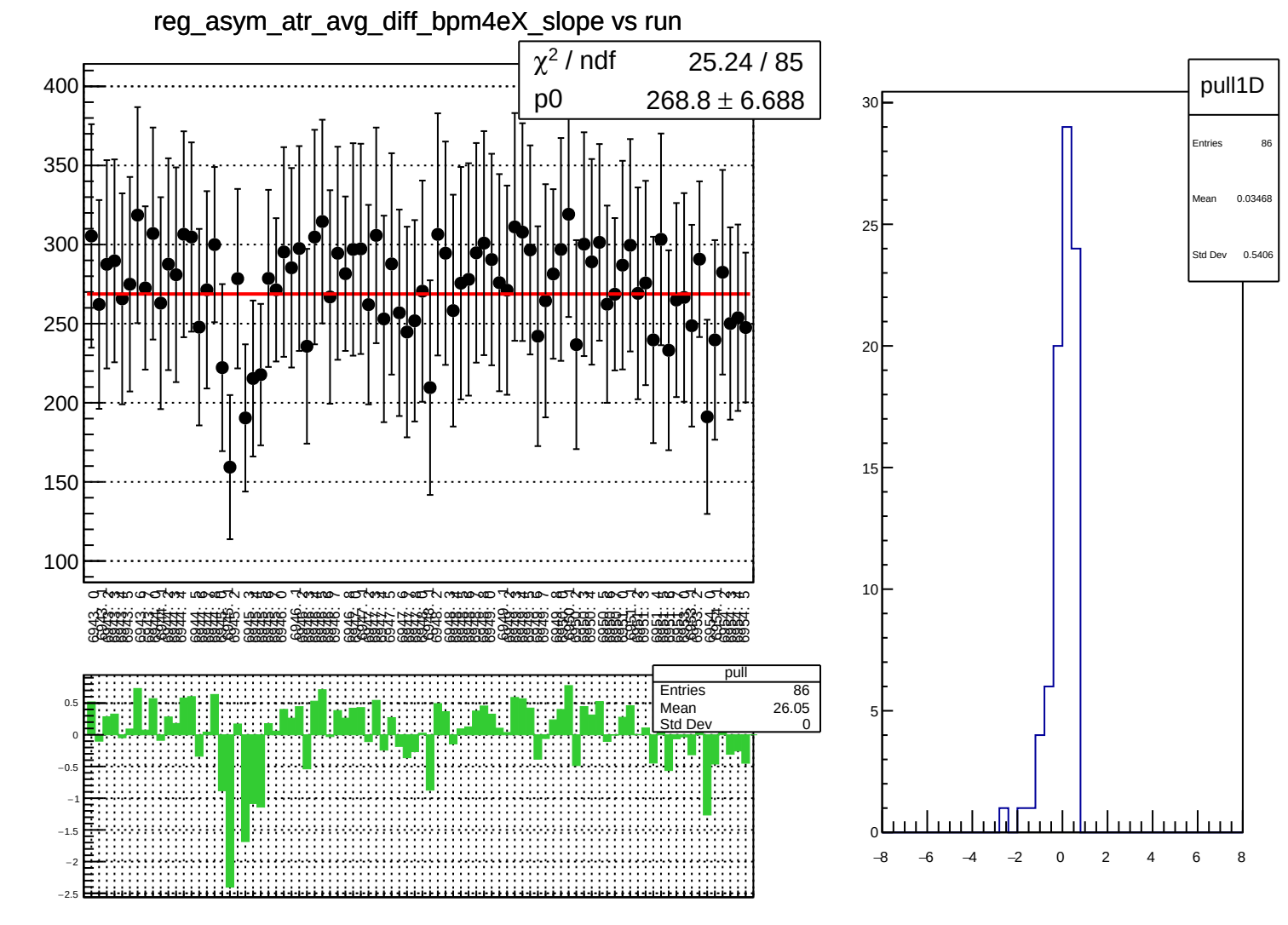

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 12.41 / 85
p0 132.1 ± 0.2192
pull
Entries 86
Mean −1859
Std Dev 0

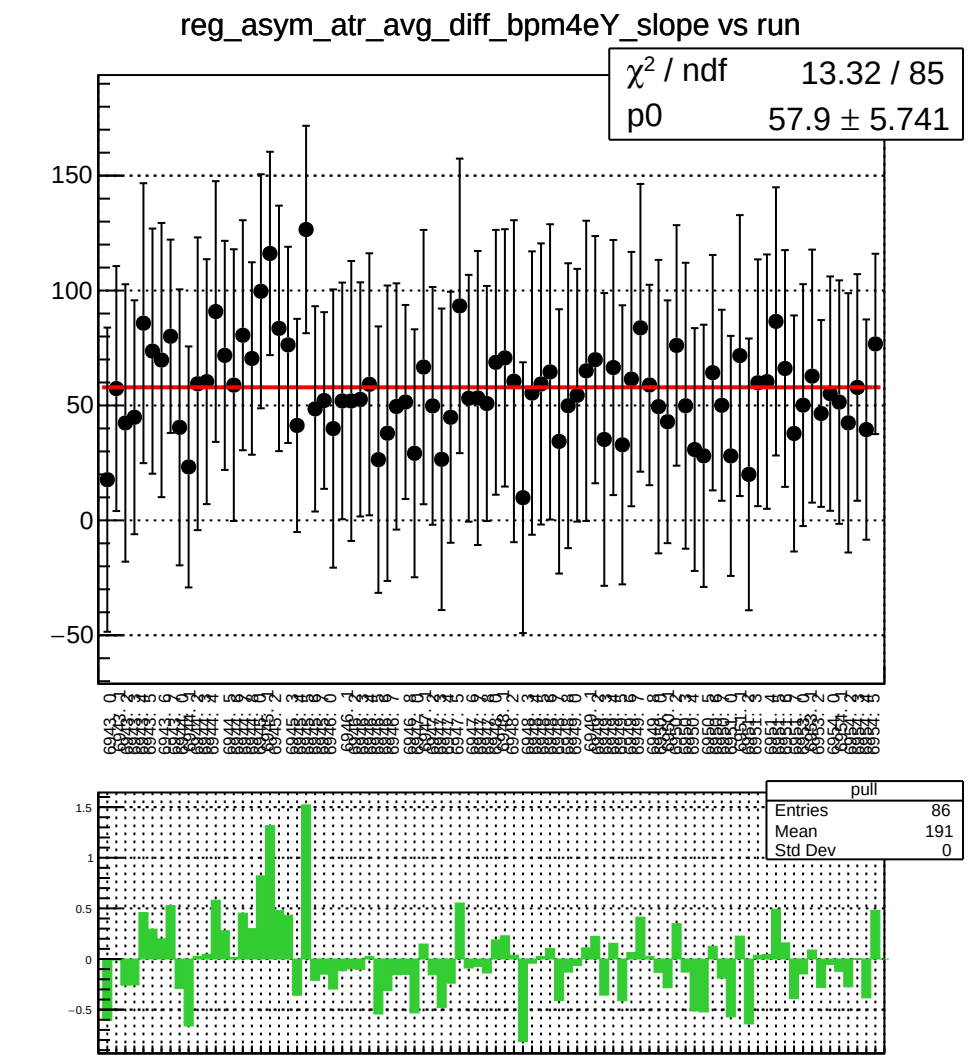

pull1D
Entries 86
Mean 0.001074
Std Dev 0.3798

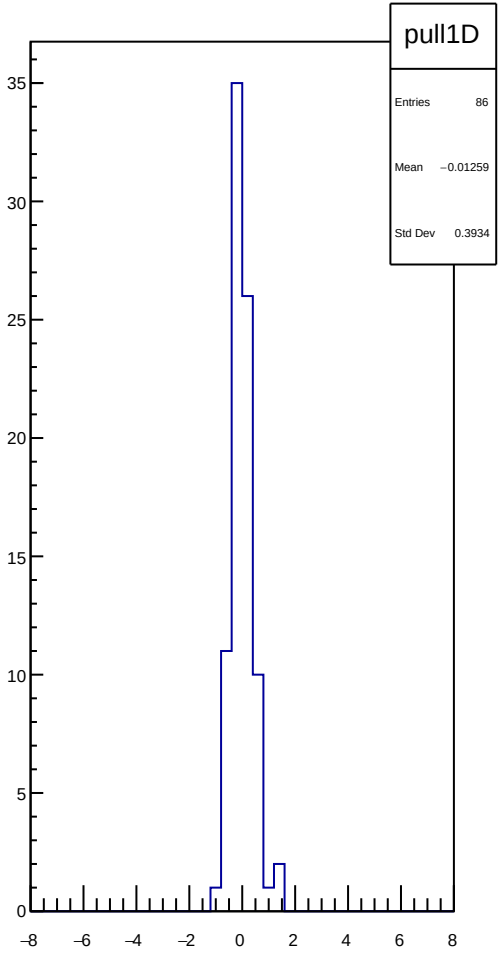

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 25.4 / 85
p0 −263.7 ± 7.183
pull
Entries 86
Mean 23.13
Std Dev 0
pull1D
Entries 86
Mean −0.03432
Std Dev 0.5424

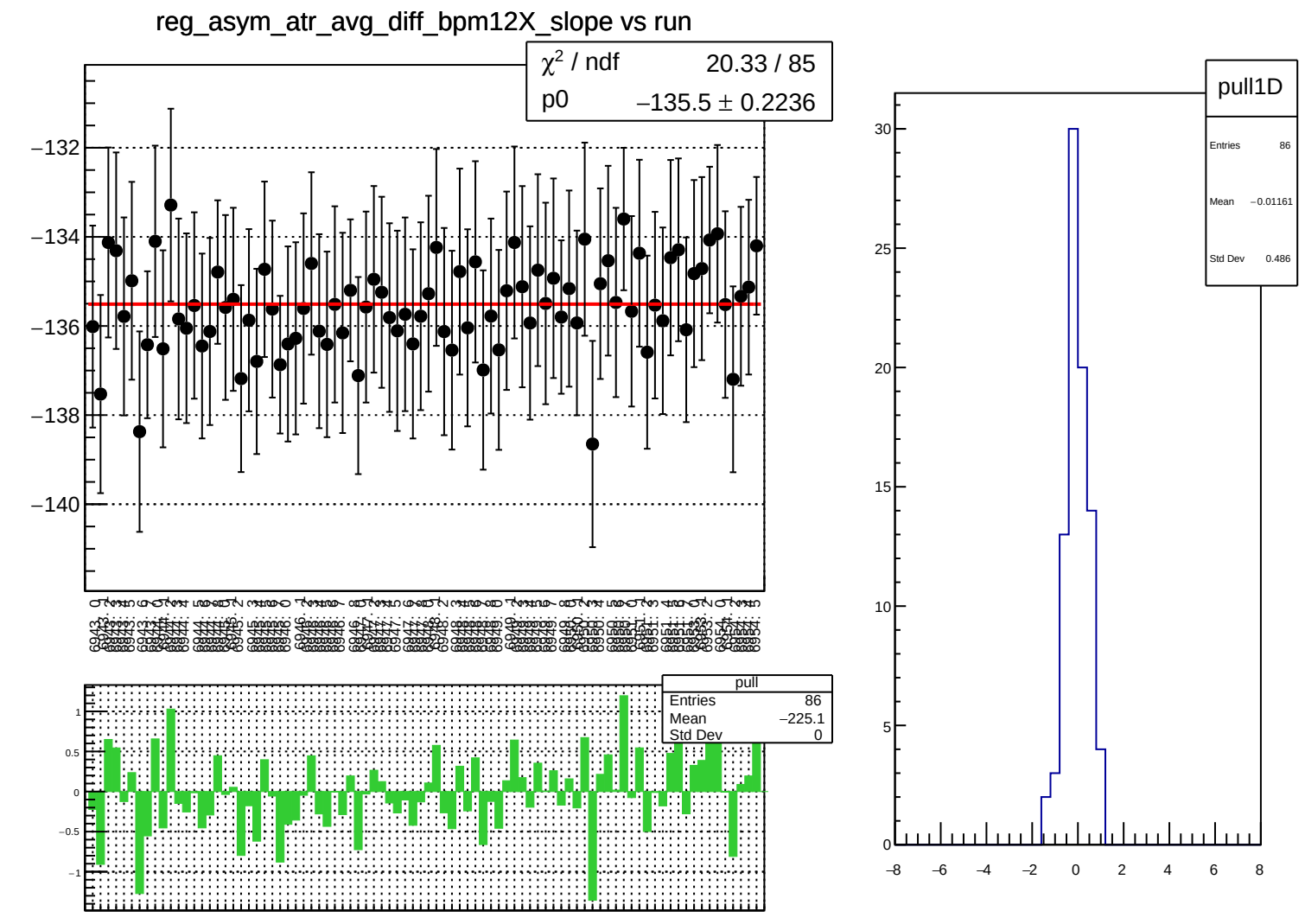

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.93 / 85
p0 5.204 ± 5
pull
Entries 86
Mean 188.7
Std Dev 0

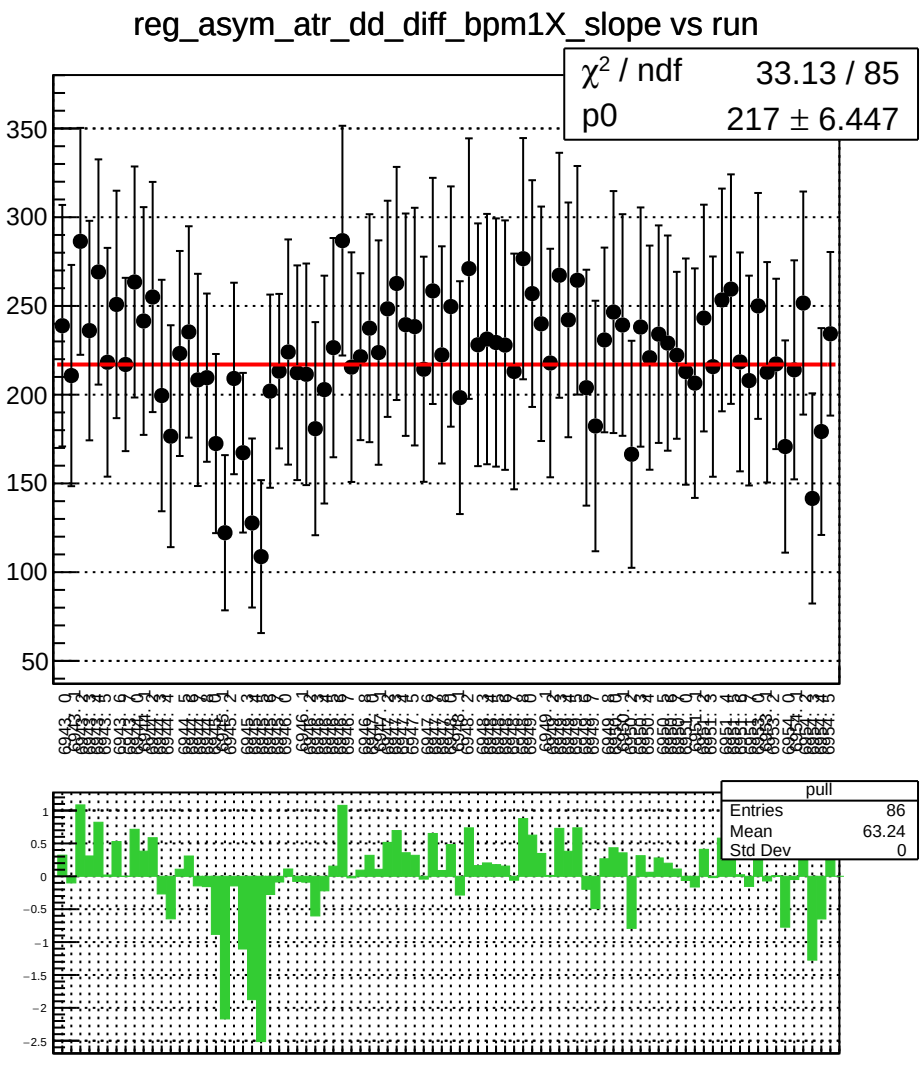

pull1D
Entries 86
Mean 0.01019
Std Dev 0.3724

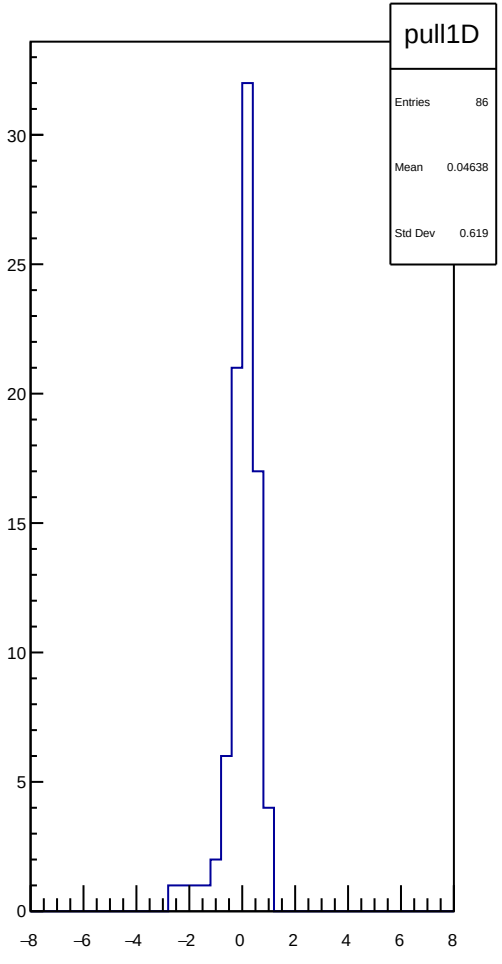

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.24 / 85
p0 268.8 ± 6.688
pull
Entries 86
Mean 26.05
Std Dev 0
pull1D
Entries 86
Mean 0.03468
Std Dev 0.5406

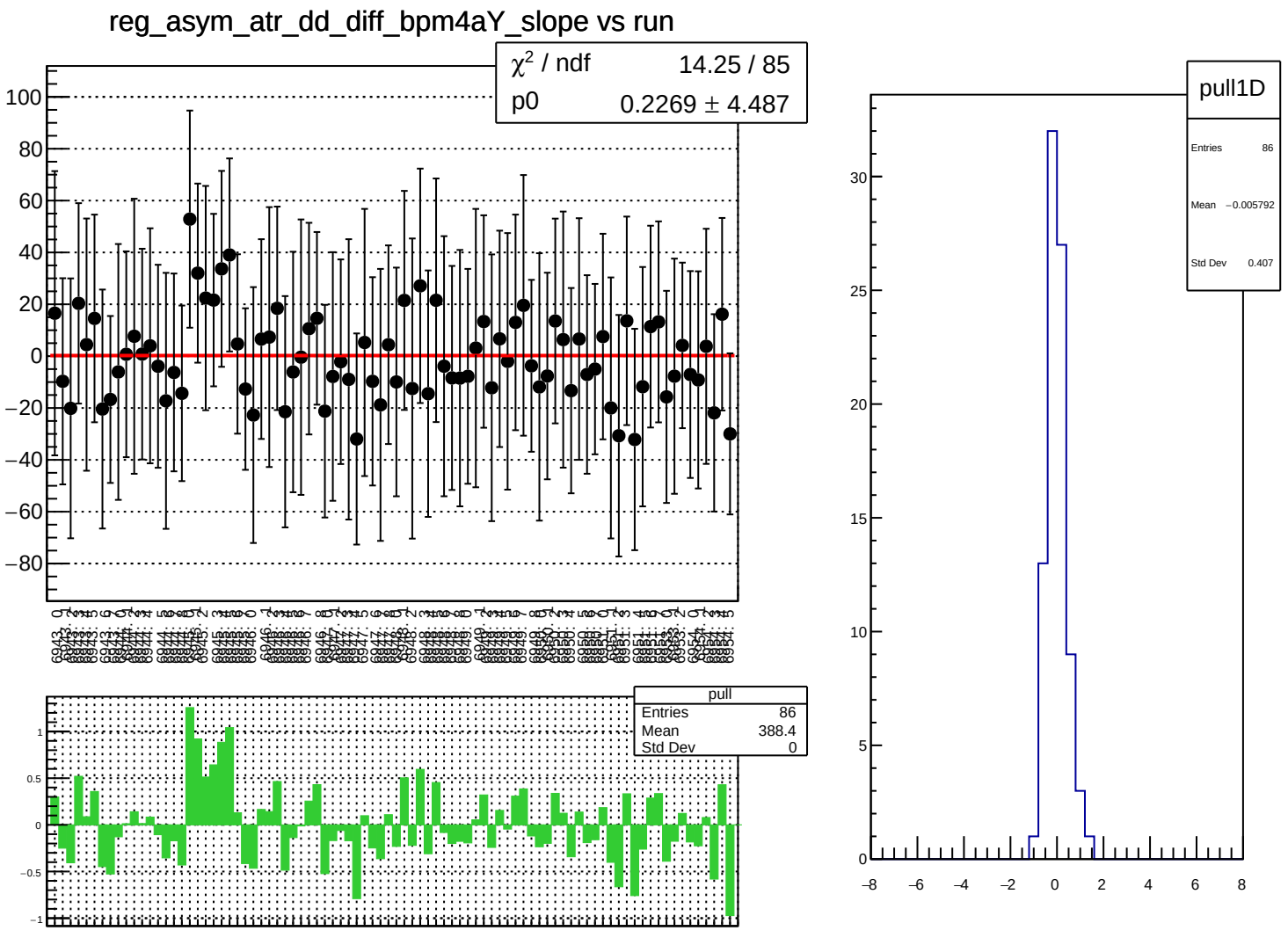

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.32 / 85
p0 57.9 ± 5.741
150
100
50
0
−50
pull
Entries 86
Mean 191
Std Dev 0
1.5
1
0.5
0
−0.5

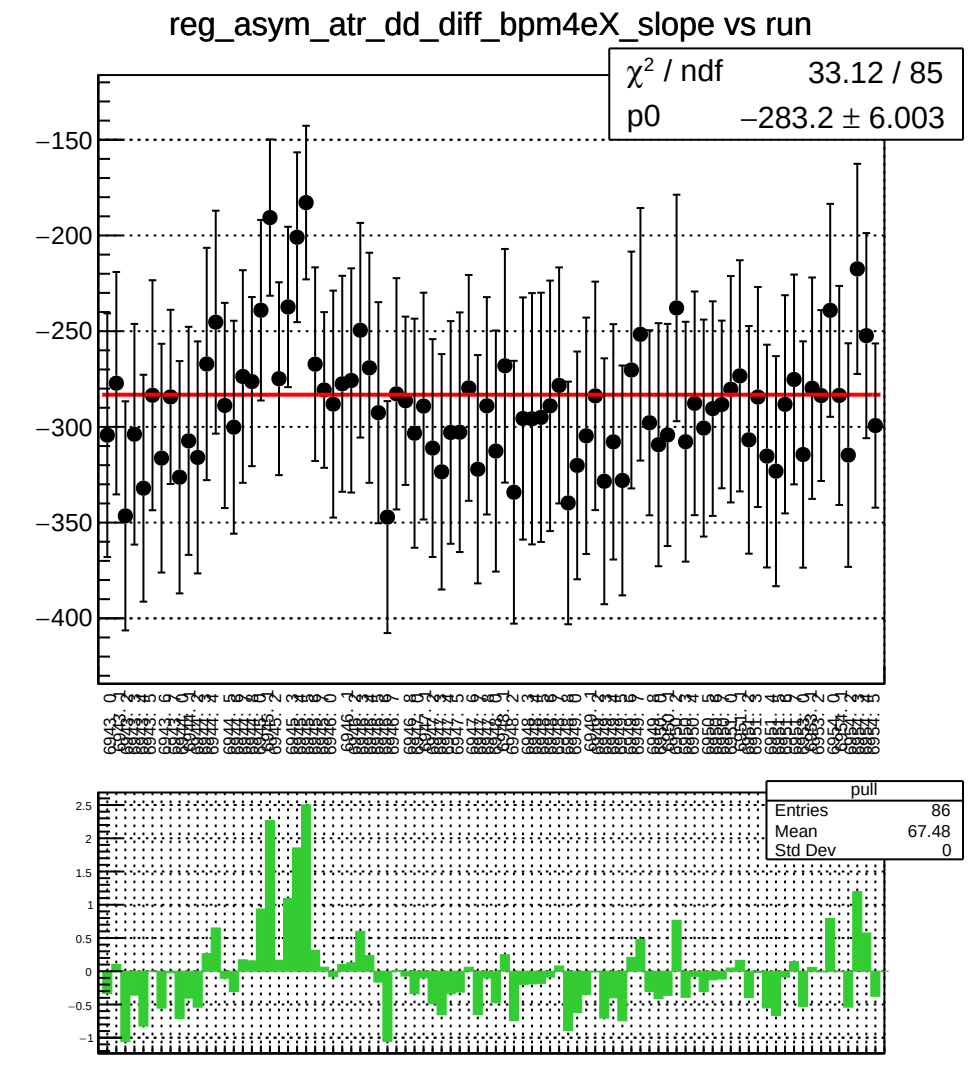

pull1D
Entries 86
Mean −0.01259
Std Dev 0.3934
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

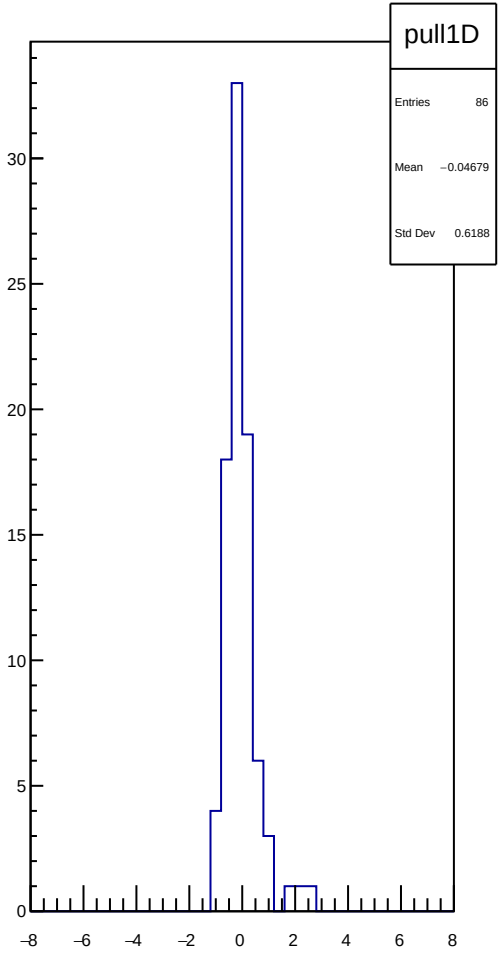

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 20.33 / 85
p0 −135.5 ± 0.2236
−132
−134
−136
−138
−140
pull
Entries 86
Mean −225.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.01161
Std Dev 0.486
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

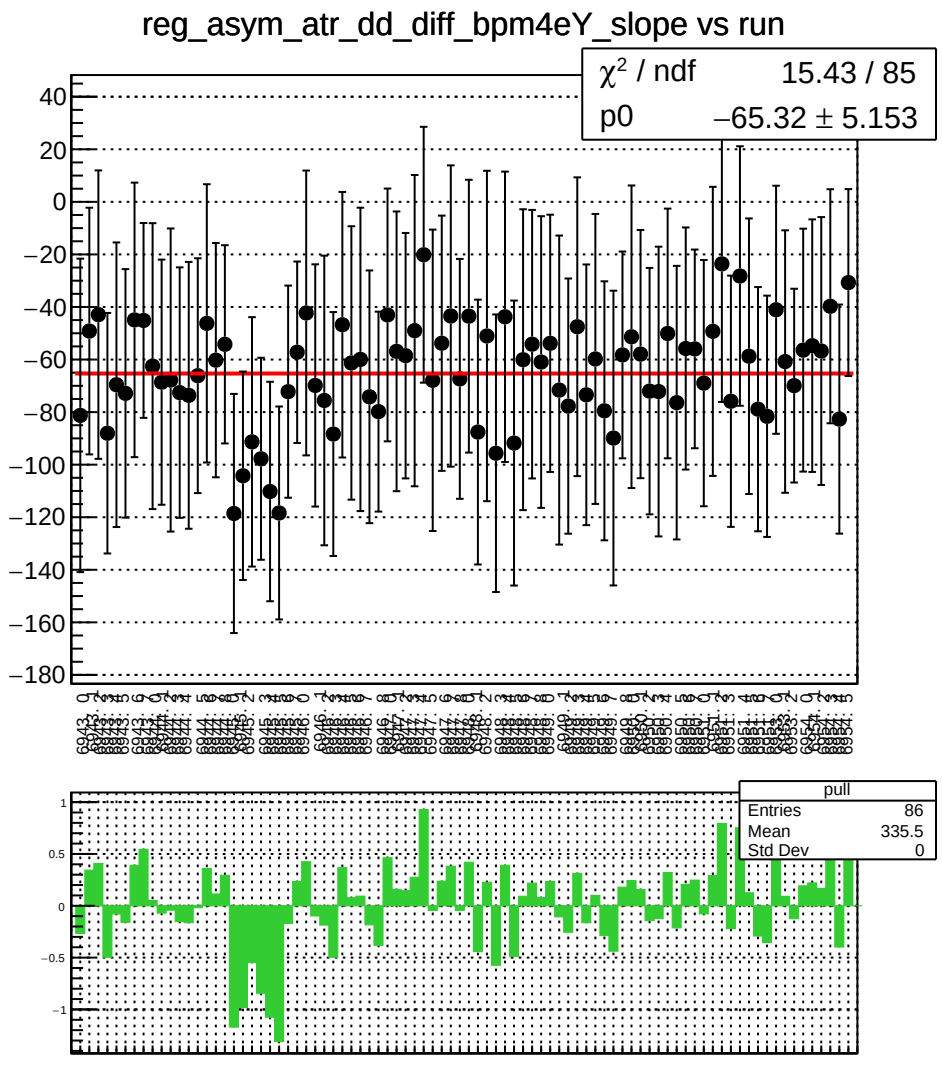

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.13 / 85
p0 217 ± 6.447
pull
Entries 86
Mean 63.24
Std Dev 0

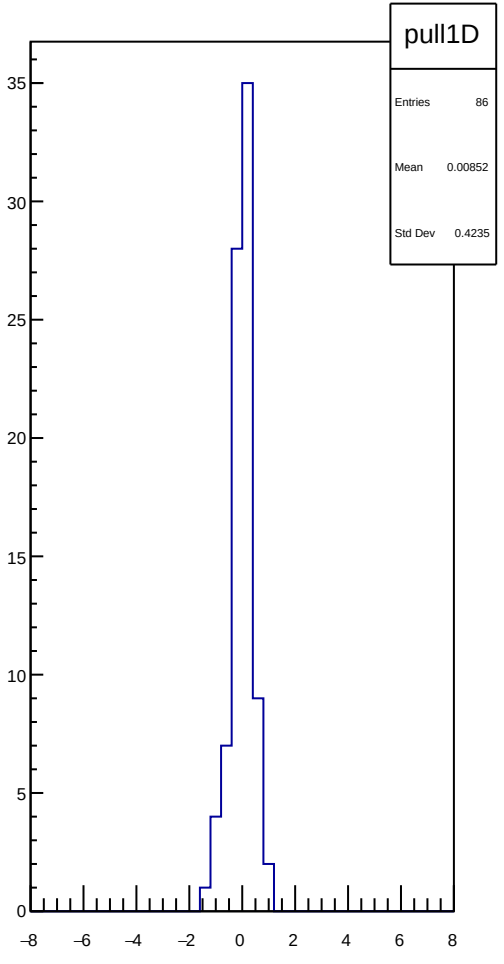

pull1D
Entries 86
Mean 0.04638
Std Dev 0.619

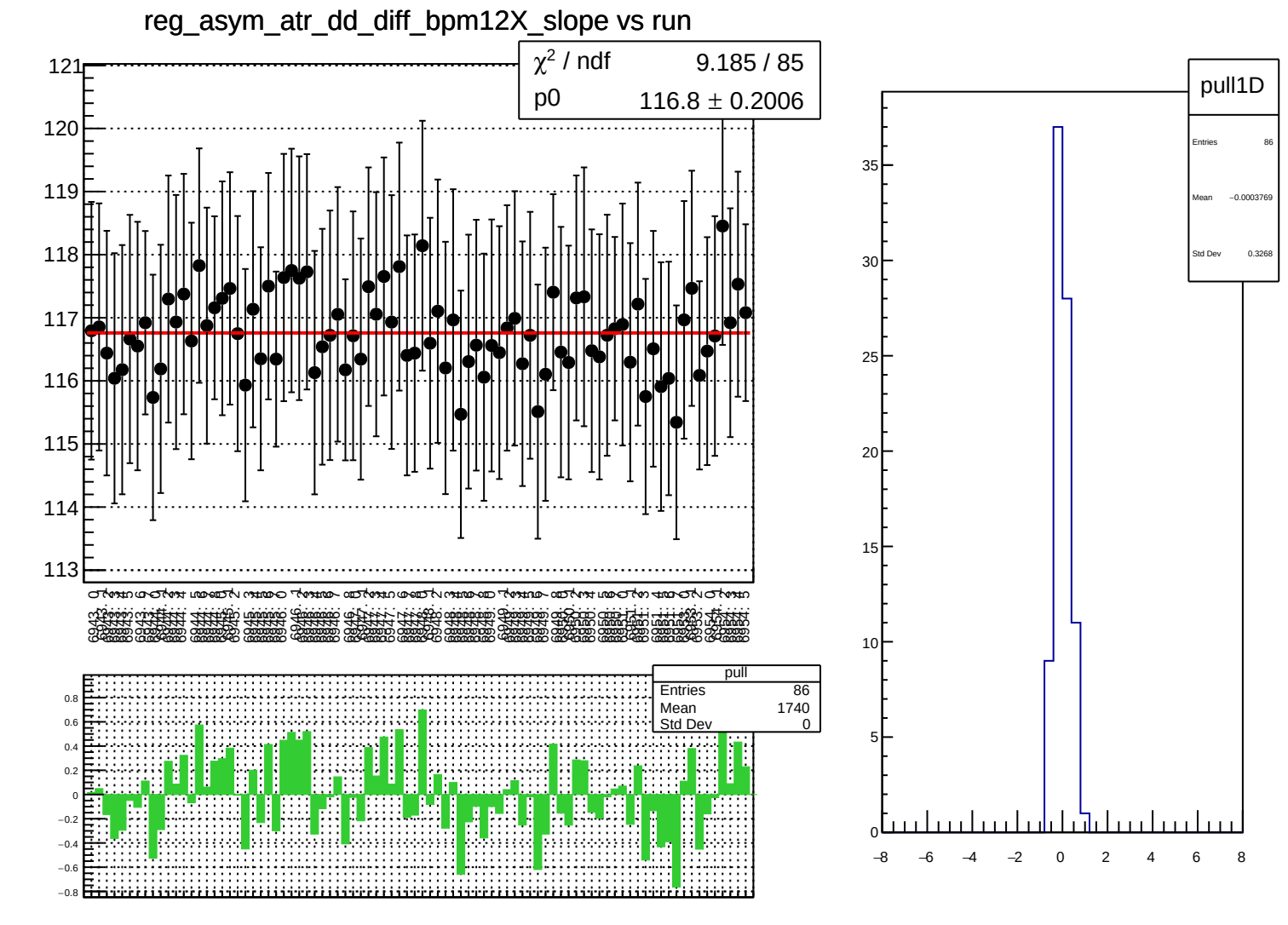

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.25 / 85
p0 0.2269 ± 4.487
pull
Entries 86
Mean 388.4
Std Dev 0
pull1D
Entries 86
Mean −0.005792
Std Dev 0.407

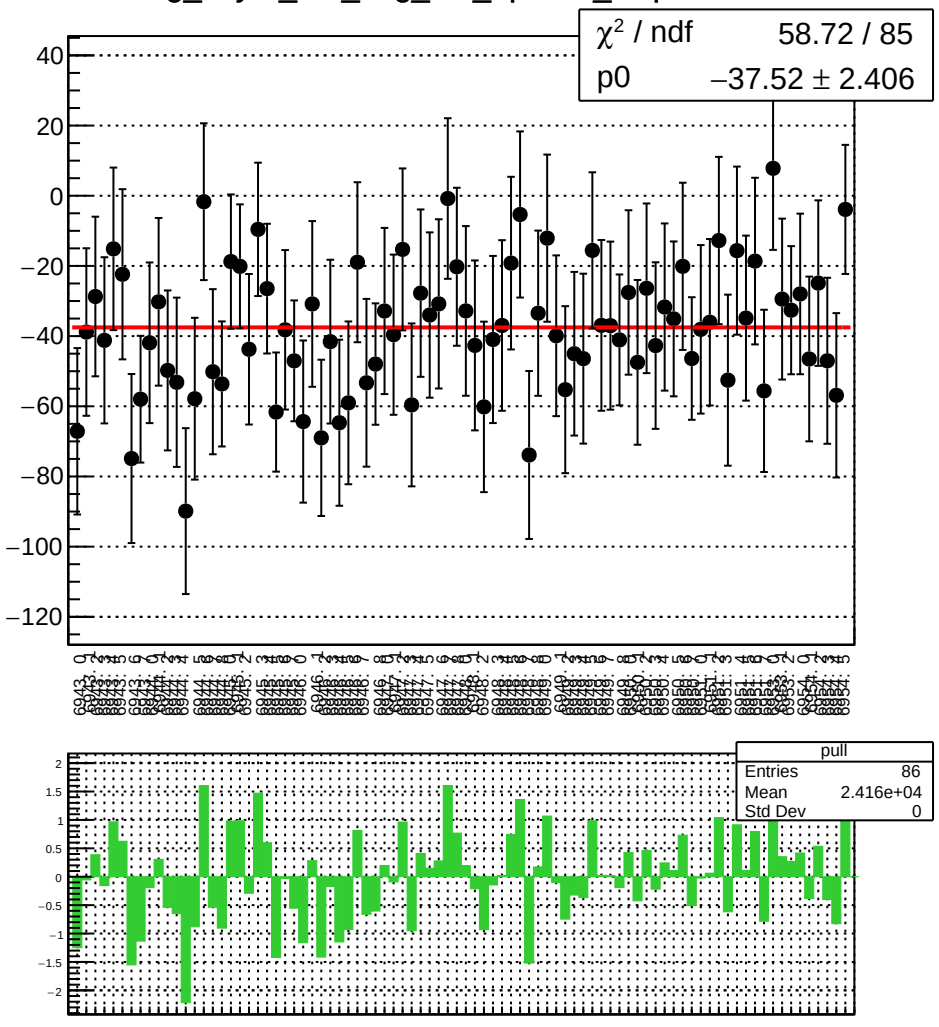

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.12 / 85
p0 −283.2 ± 6.003
−150
−200
−250
−300
−350
−400
pull
Entries 86
Mean 67.48
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

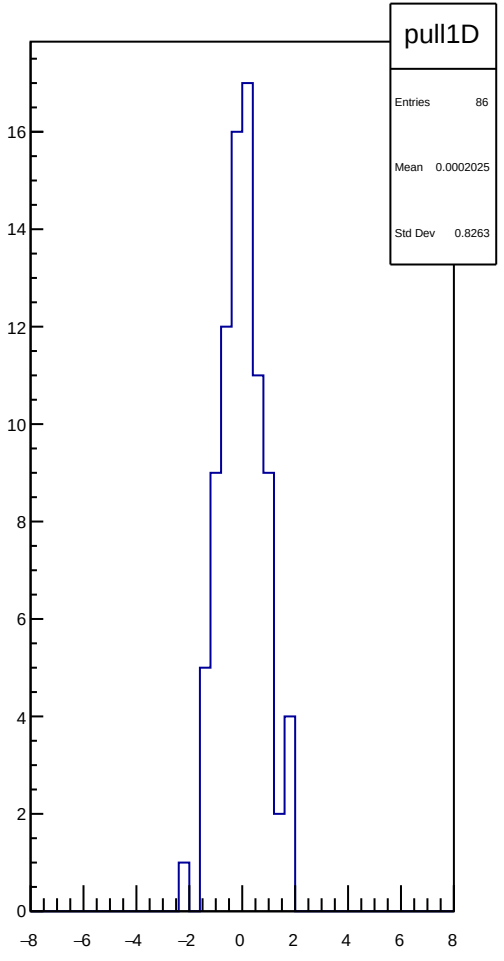

pull1D
Entries 86
Mean −0.04679
Std Dev 0.6188
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

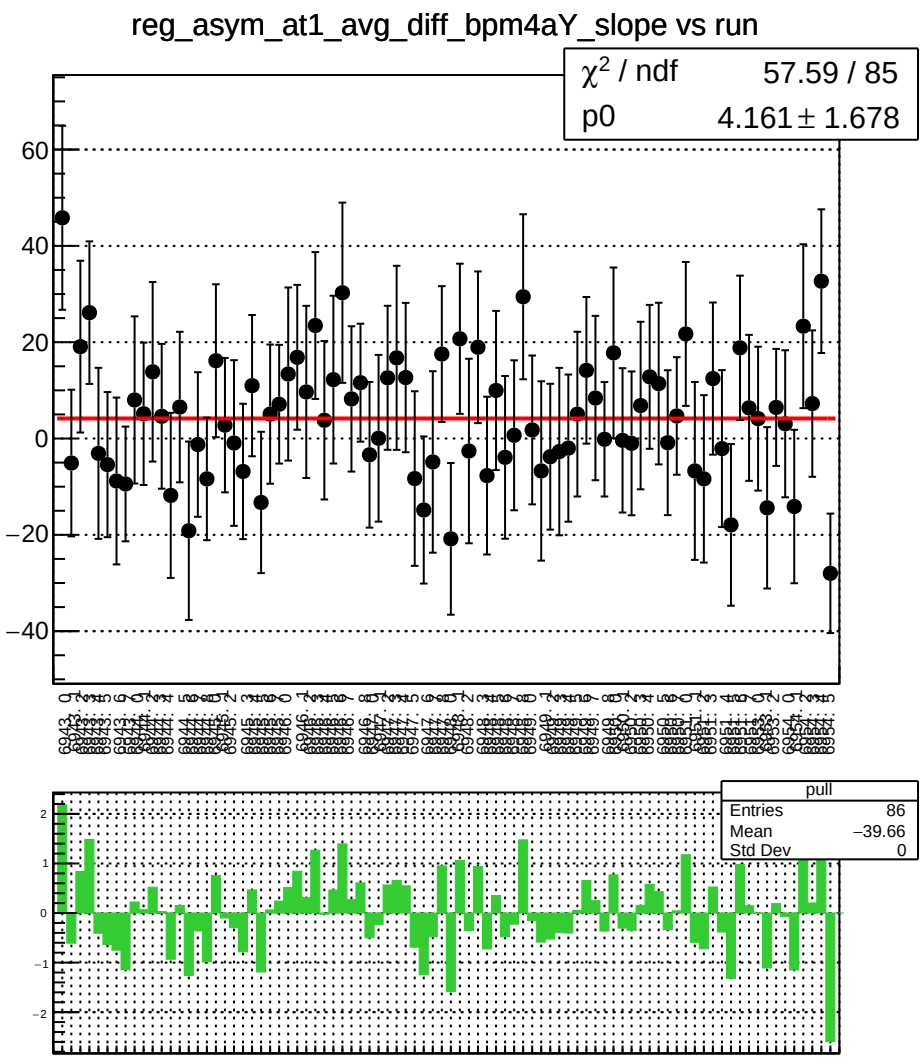

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.43 / 85
p0 −65.32 ± 5.153
pull
Entries 86
Mean 335.5
Std Dev 0

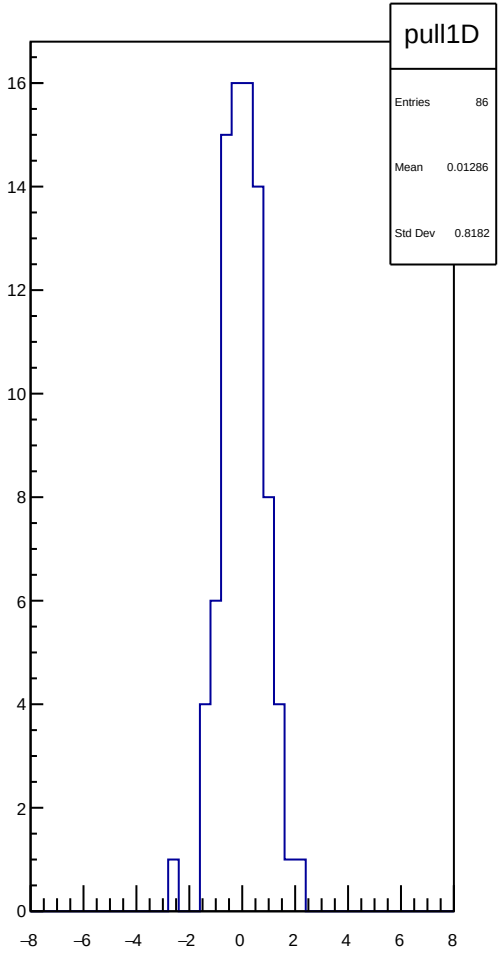

pull1D
Entries 86
Mean 0.00852
Std Dev 0.4235

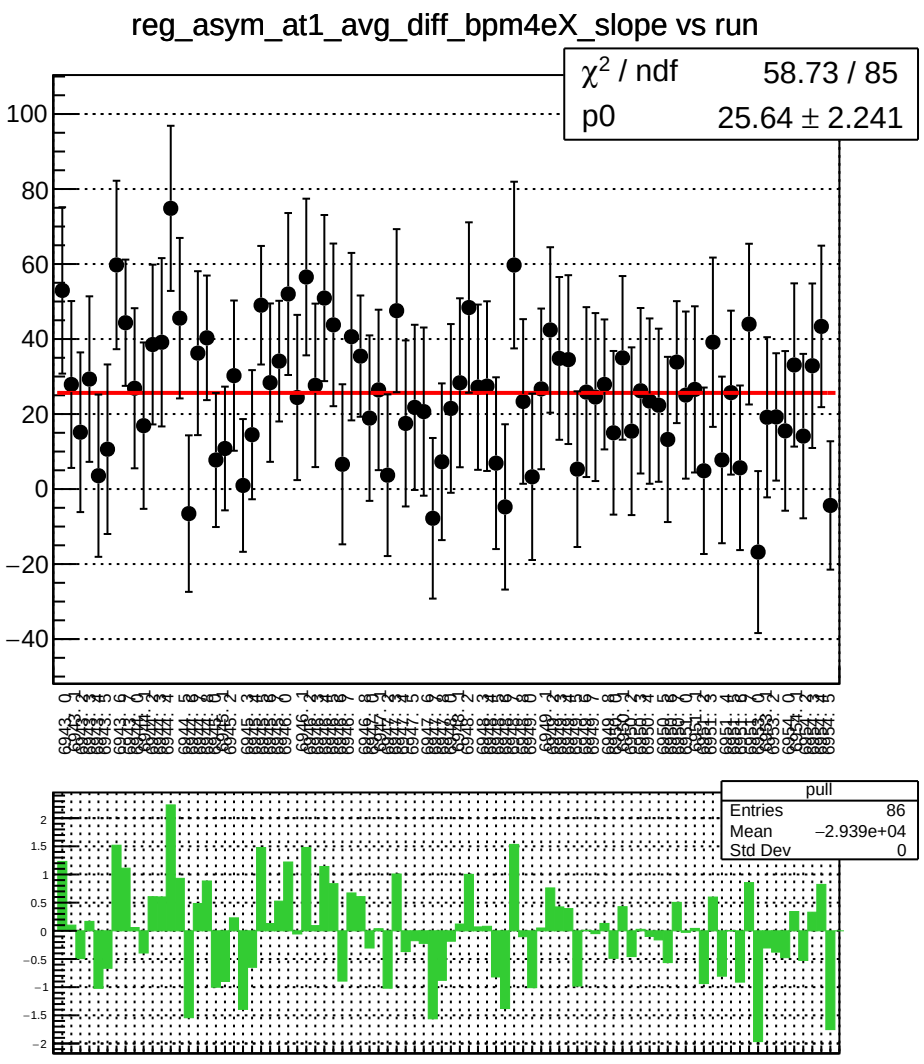

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.185 / 85
p0 116.8 ± 0.2006
pull
Entries 86
Mean 1740
Std Dev 0
pull1D
Entries 86
Mean −0.0003769
Std Dev 0.3268

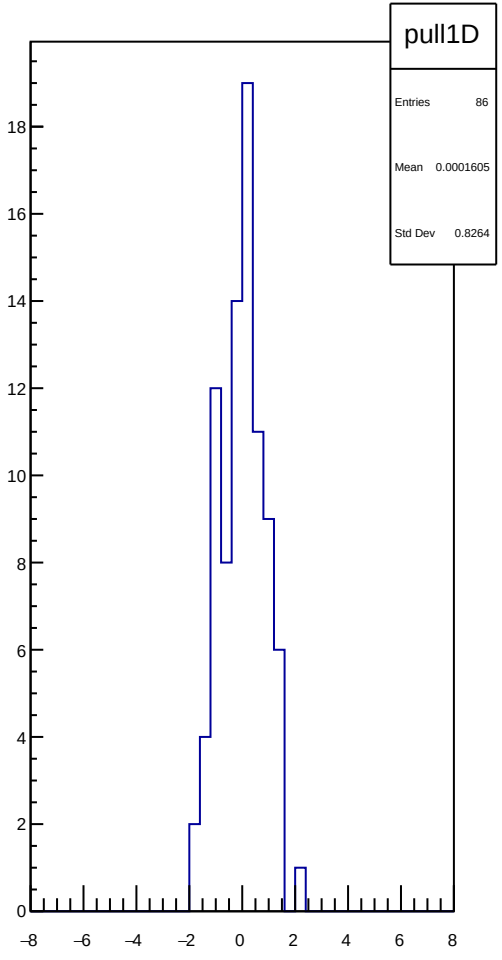

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 58.72 / 85
p0 −37.52 ± 2.406
pull
Entries 86
Mean 2.416e+04
Std Dev 0

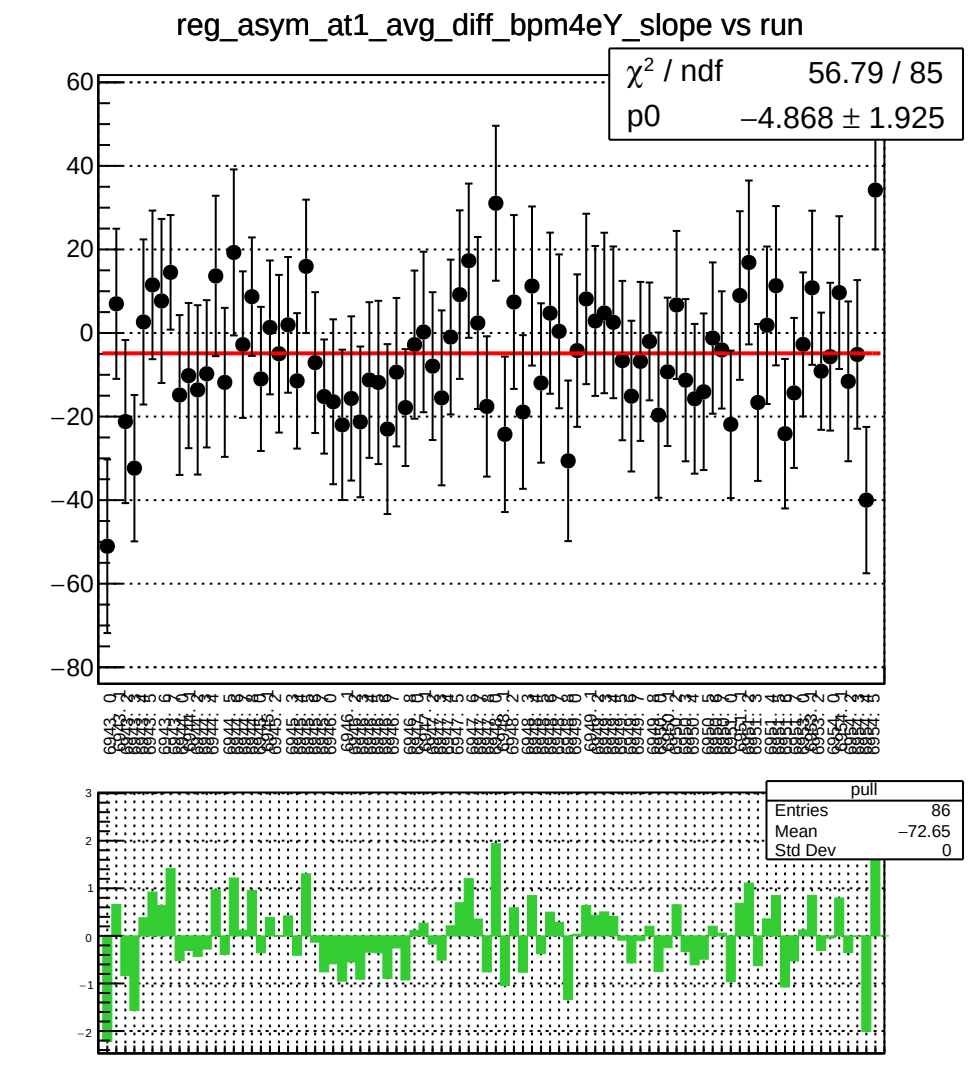

pull1D
Entries 86
Mean 0.0002025
Std Dev 0.8263

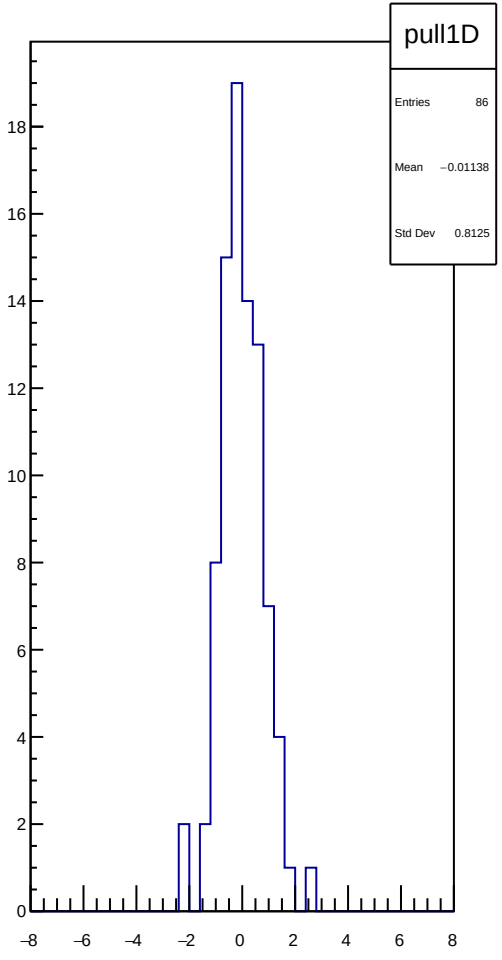

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.59 / 85
p0 4.161 ± 1.678
pull
Entries 86
Mean −39.66
Std Dev 0

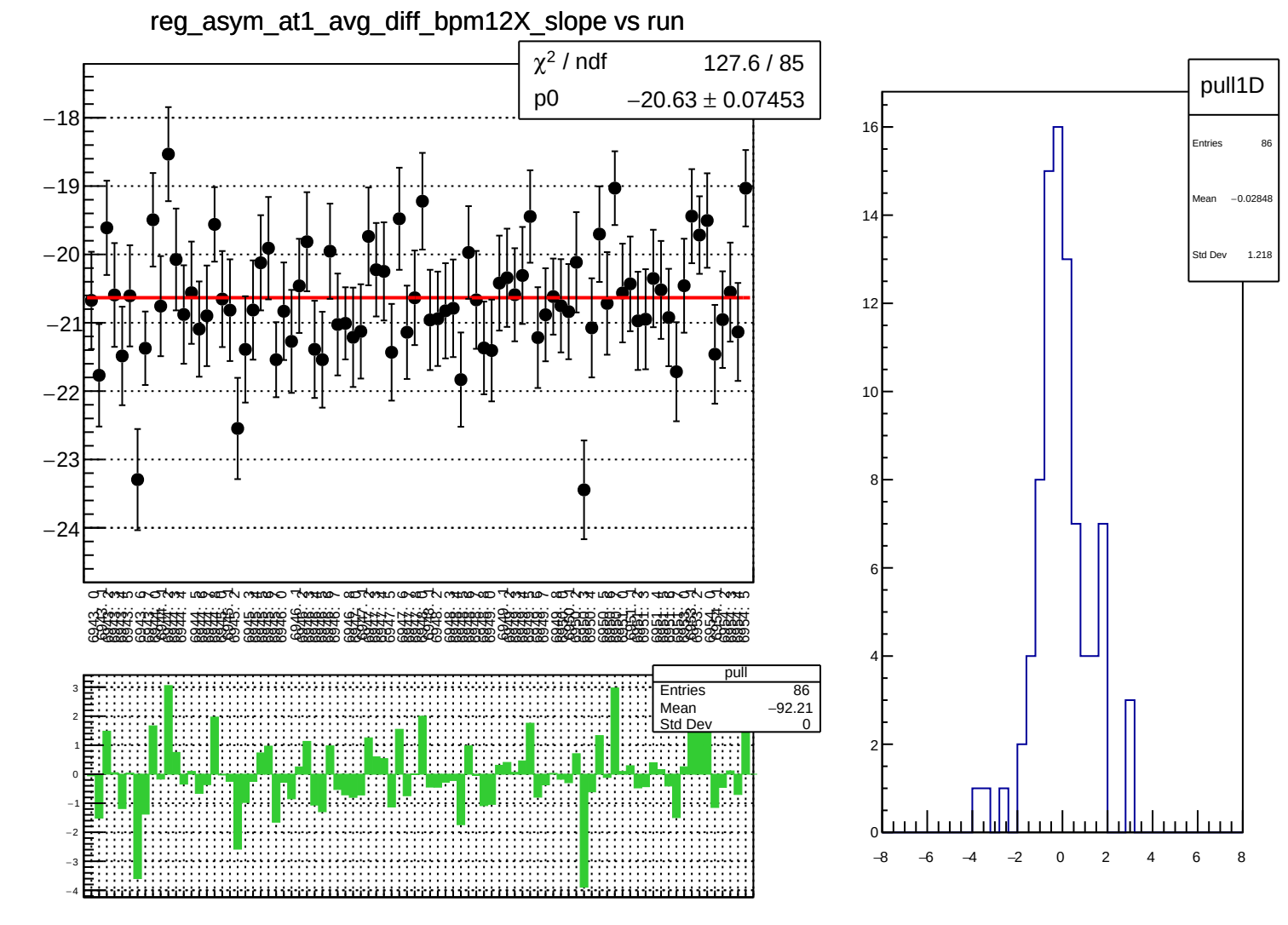

pull1D
Entries 86
Mean 0.01286
Std Dev 0.8182

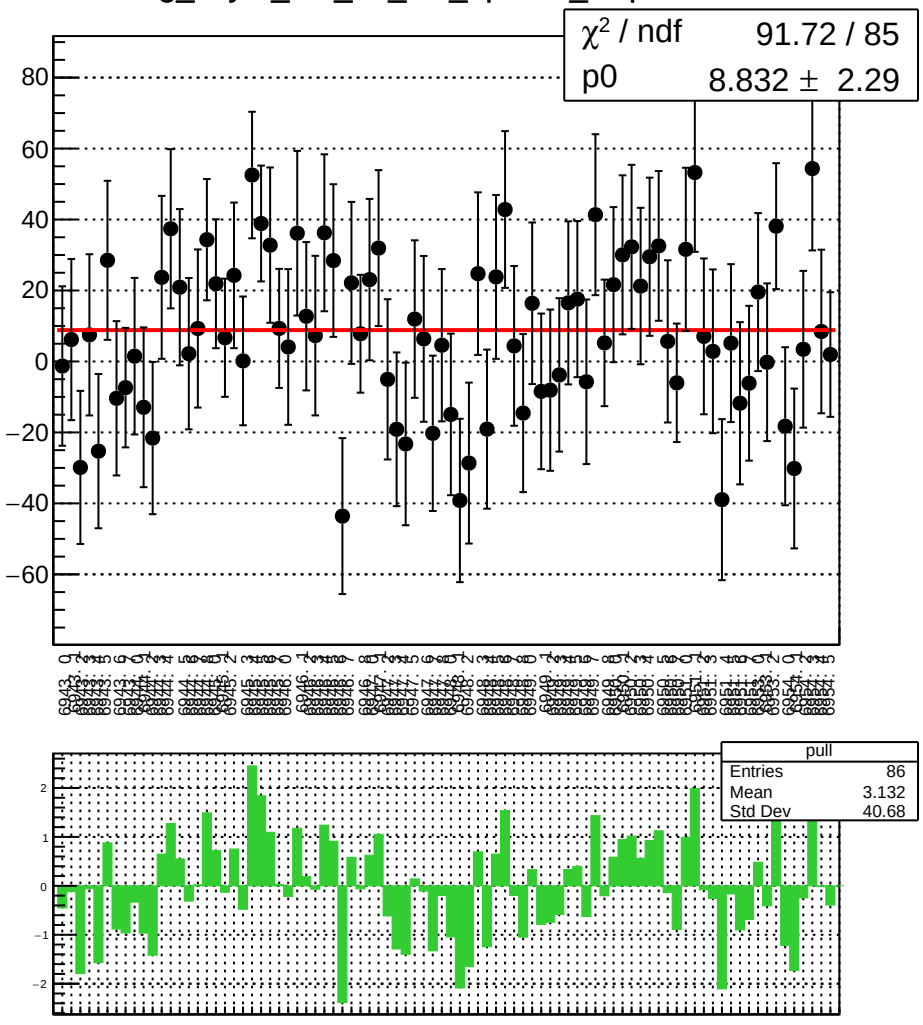

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.73 / 85
p0 25.64 ± 2.241
pull
Entries 86
Mean −2.939e+04
Std Dev 0

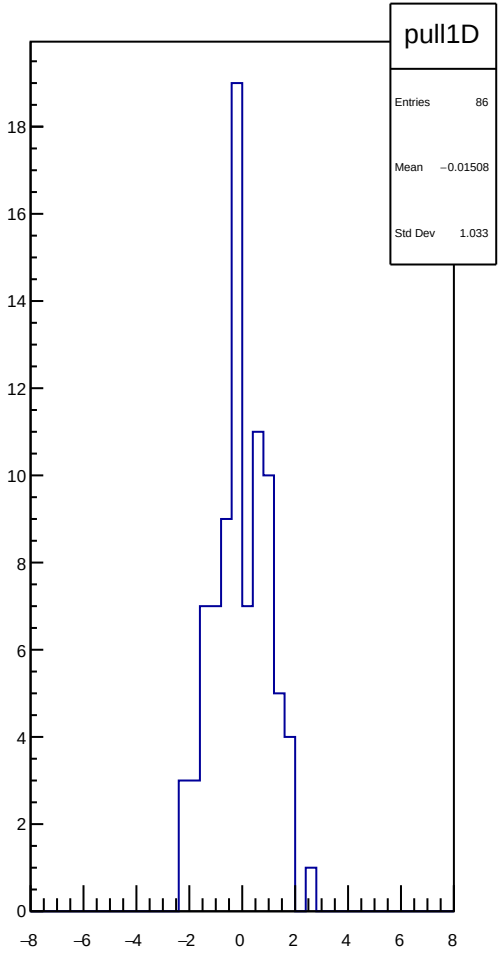

pull1D
Entries 86
Mean 0.0001605
Std Dev 0.8264

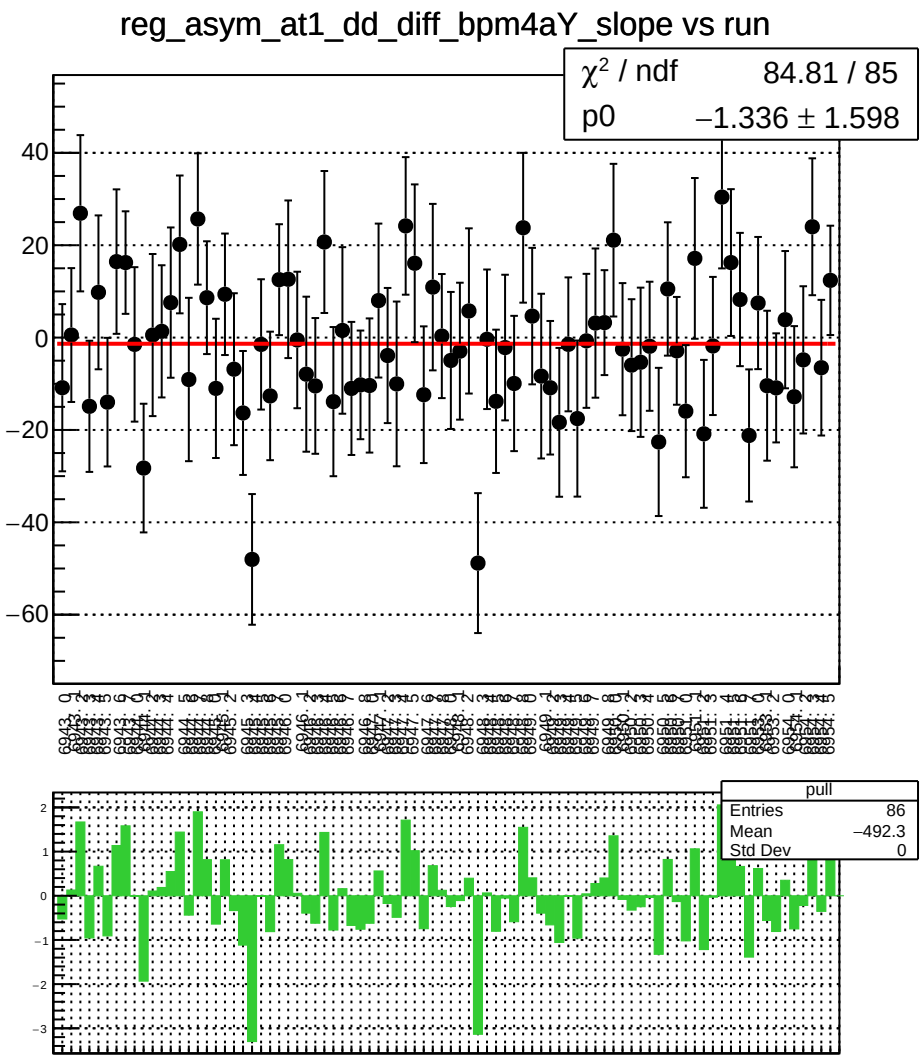

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.79 / 85
p0 −4.868 ± 1.925
pull
Entries 86
Mean −72.65
Std Dev 0

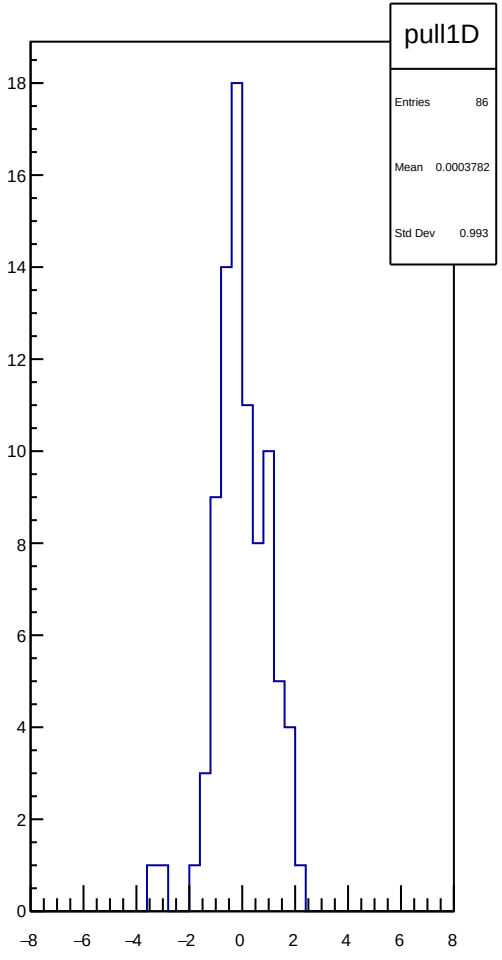

pull1D
Entries 86
Mean −0.01138
Std Dev 0.8125

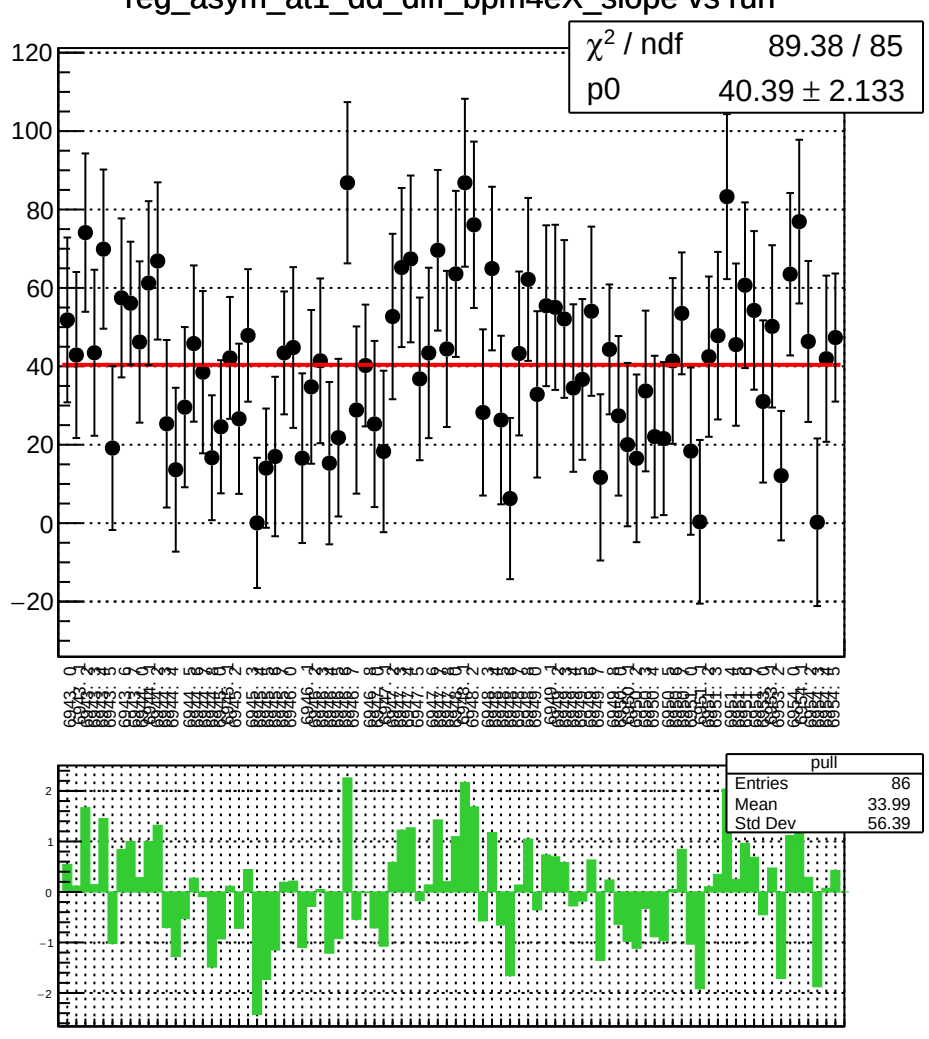

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 127.6 / 85
p0 −20.63 ± 0.07453
pull
Entries 86
Mean −92.21
Std Dev 0
pull1D
Entries 86
Mean −0.02848
Std Dev 1.218

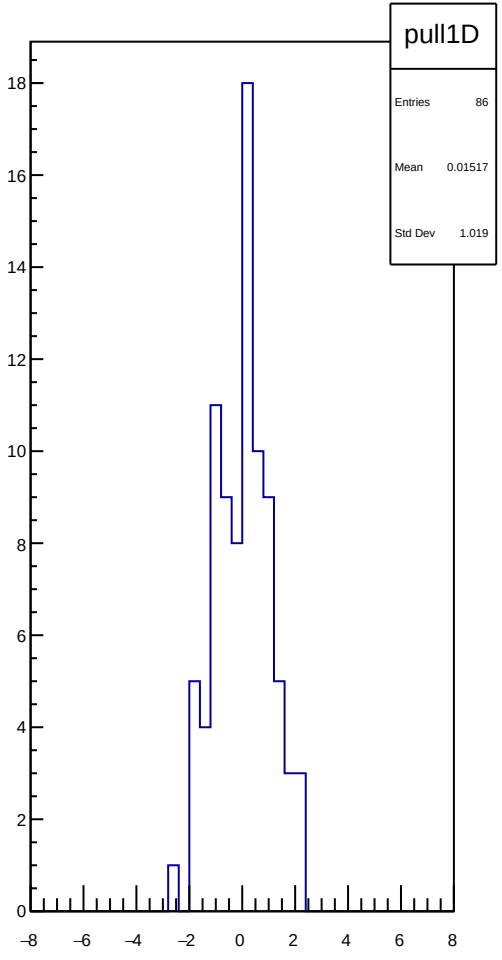

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 91.72 / 85
p0 8.832 ± 2.29
pull
Entries 86
Mean 3.132
Std Dev 40.68

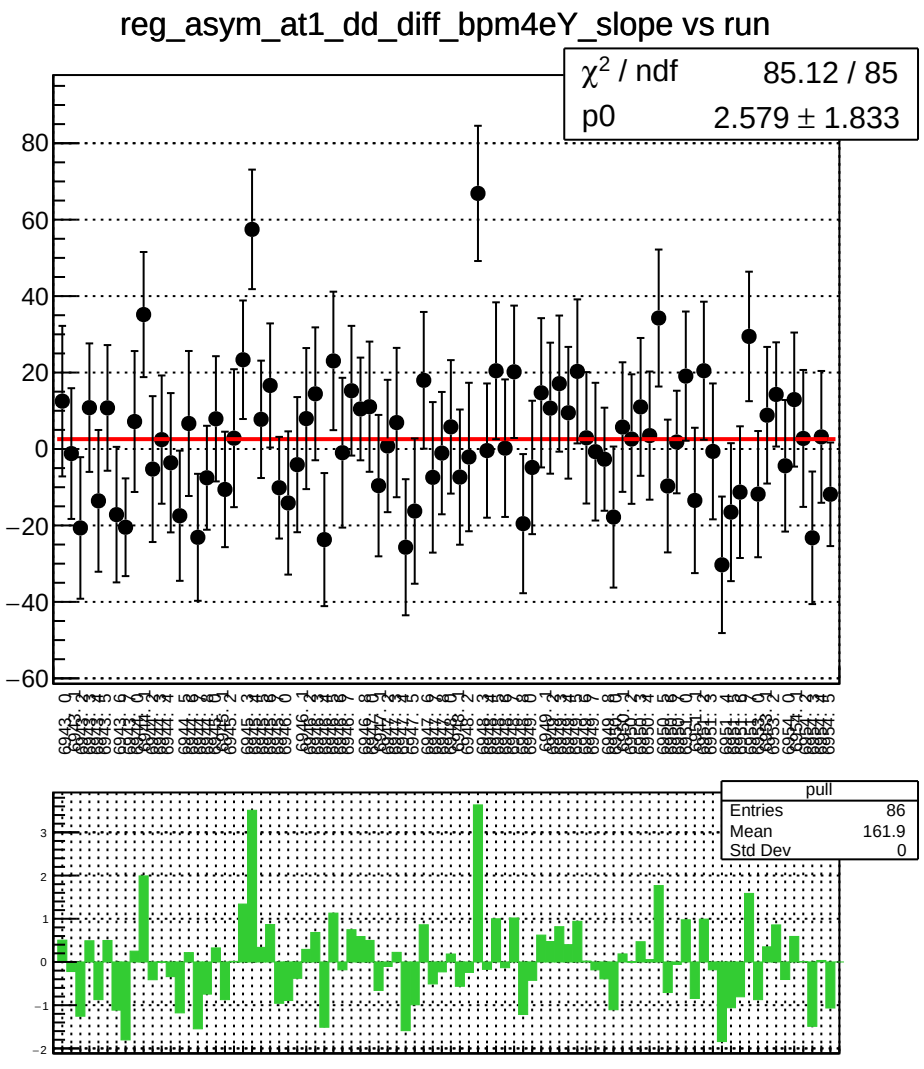

pull1D
Entries 86
Mean −0.01508
Std Dev 1.033

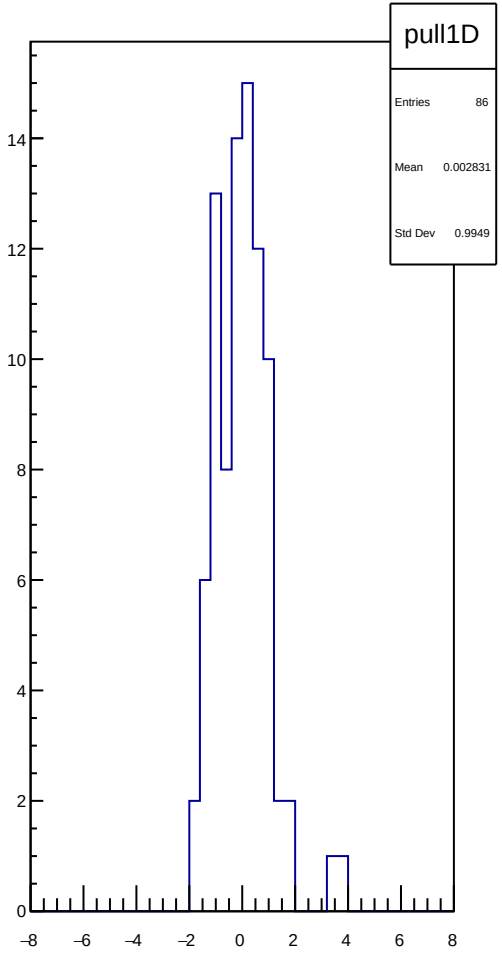

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.81 / 85
p0 −1.336 ± 1.598
pull
Entries 86
Mean −492.3
Std Dev 0

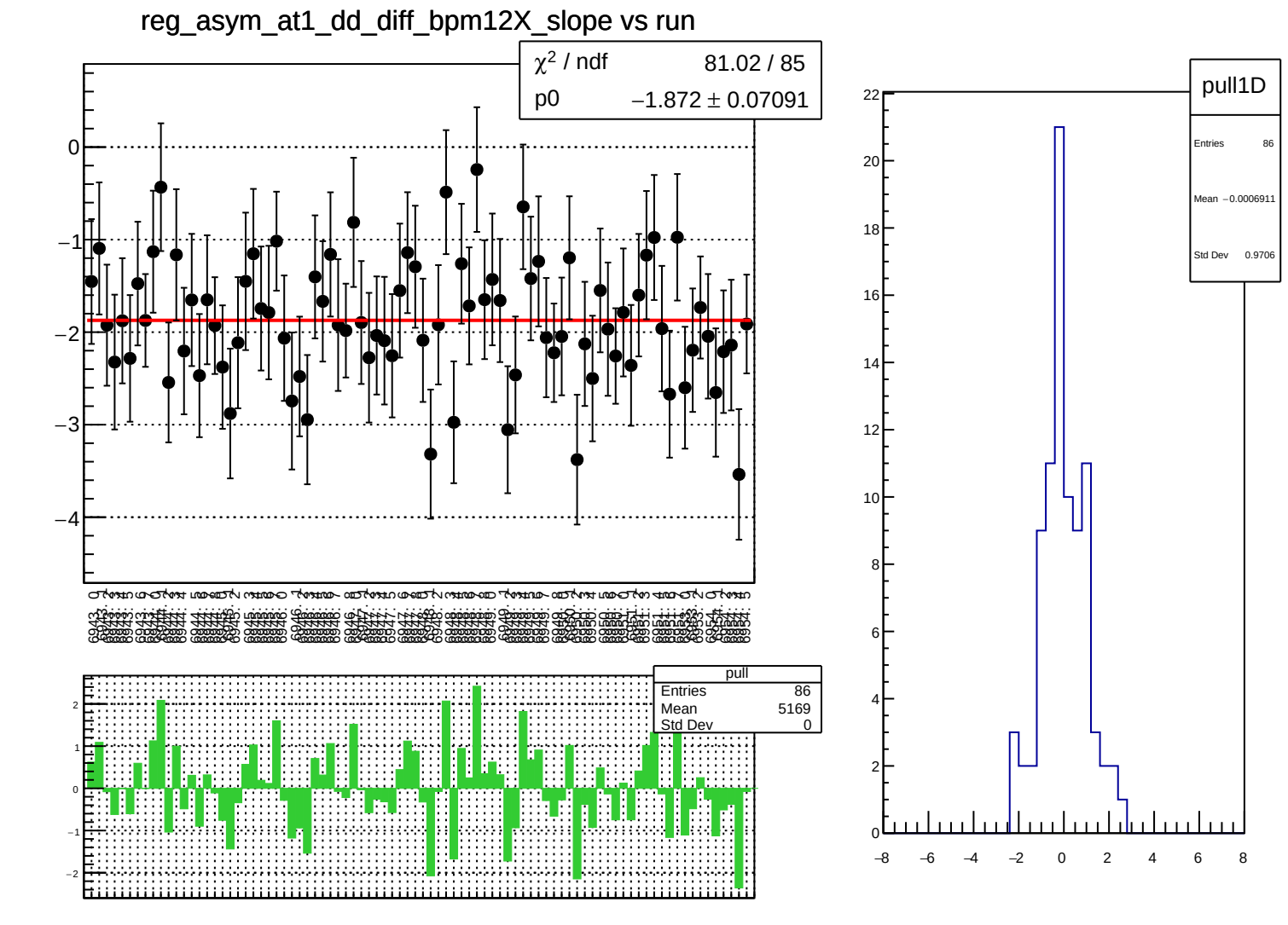

pull1D
Entries 86
Mean 0.0003782
Std Dev 0.993

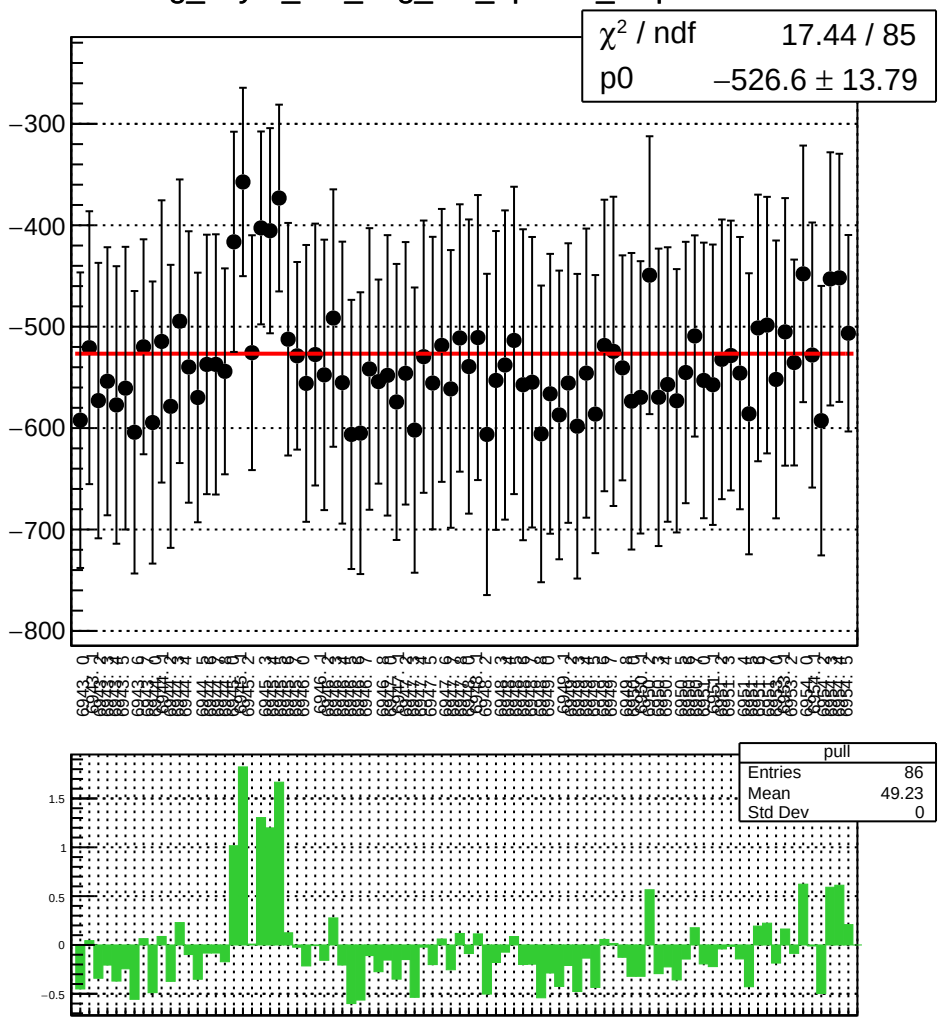

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.38 / 85
p0 40.39 ± 2.133
pull
Entries 86
Mean 33.99
Std Dev 56.39

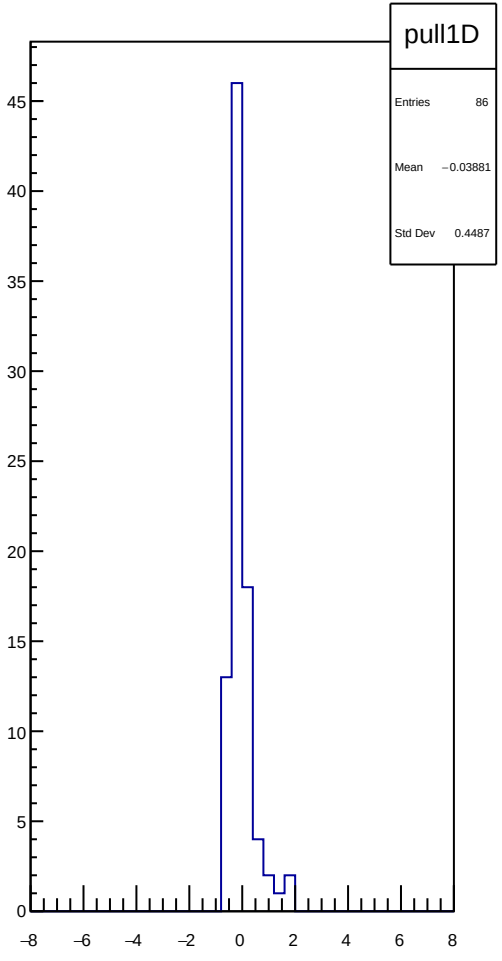

pull1D
Entries 86
Mean 0.01517
Std Dev 1.019

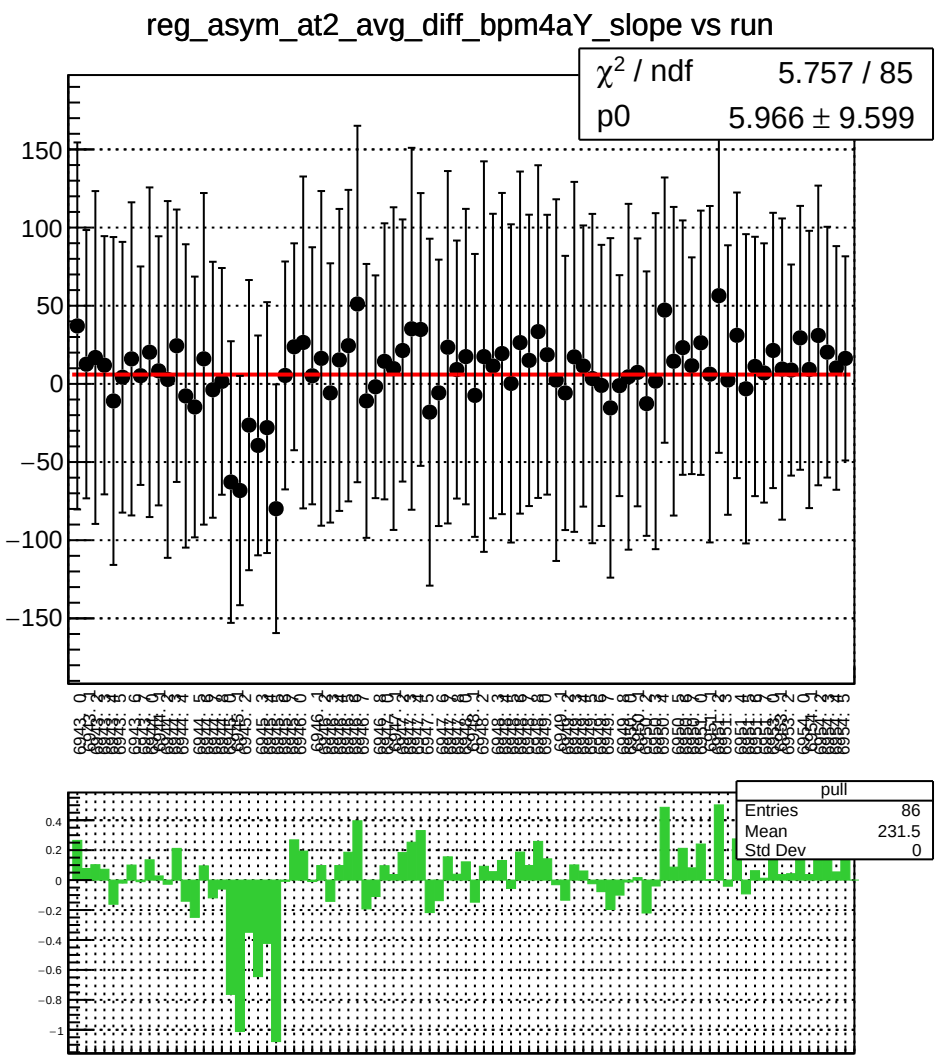

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.12 / 85
p0 2.579 ± 1.833
pull
Entries 86
Mean 161.9
Std Dev 0

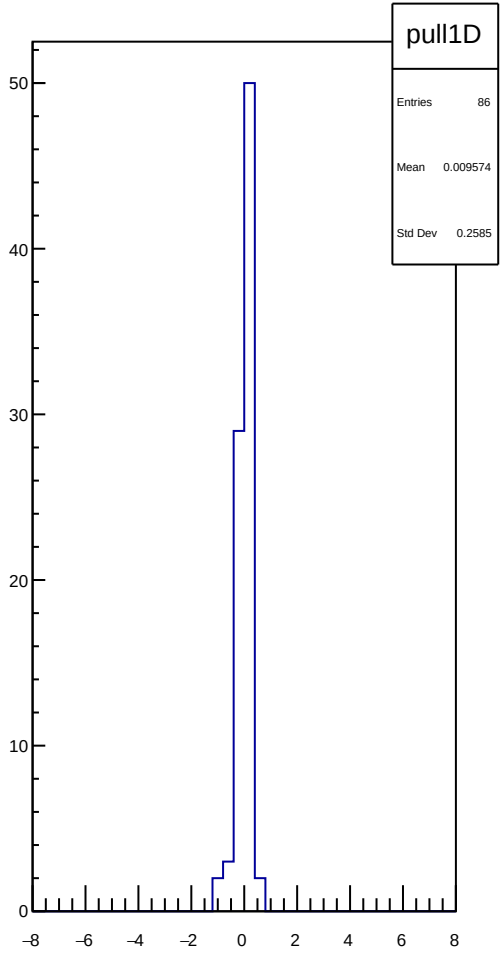

pull1D
Entries 86
Mean 0.002831
Std Dev 0.9949

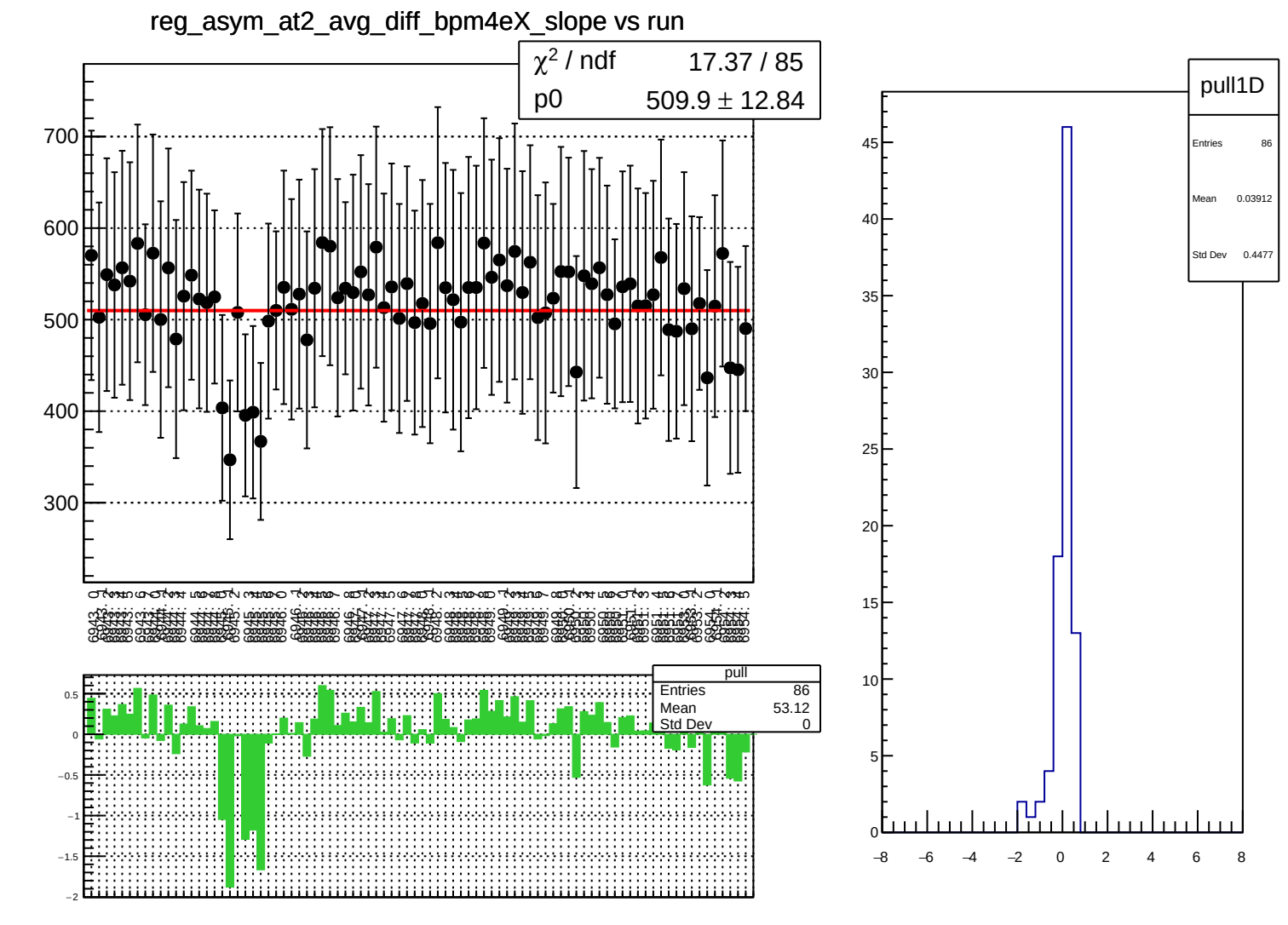

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 81.02 / 85
p0 −1.872 ± 0.07091
pull
Entries 86
Mean 5169
Std Dev 0
pull1D
Entries 86
Mean −0.0006911
Std Dev 0.9706

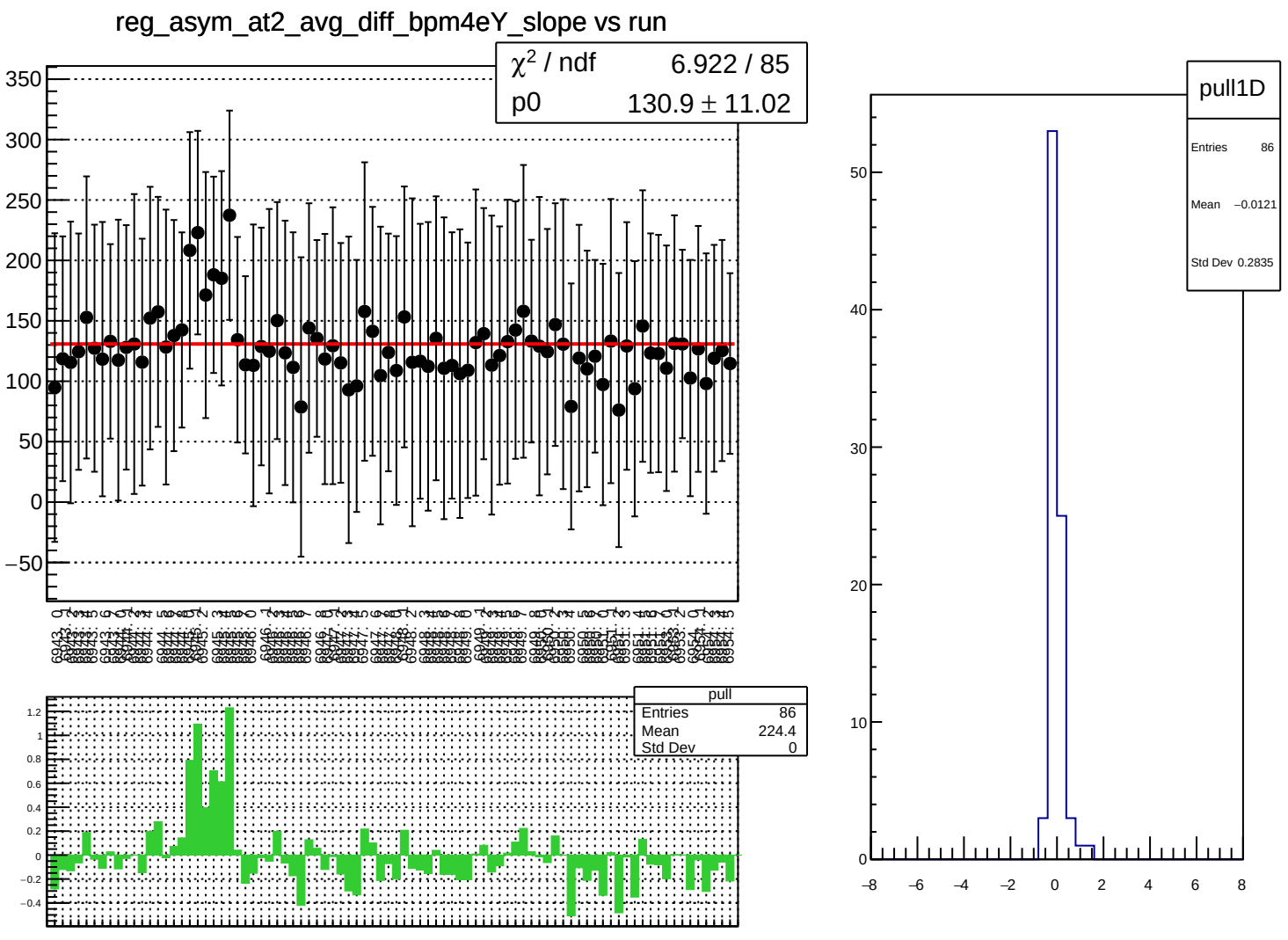

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.44 / 85
p0 −526.6 ± 13.79
−300
−400
−500
−600
−700
−800
pull
Entries 86
Mean 49.23
Std Dev 0
1.5
1
0.5
0
−0.5

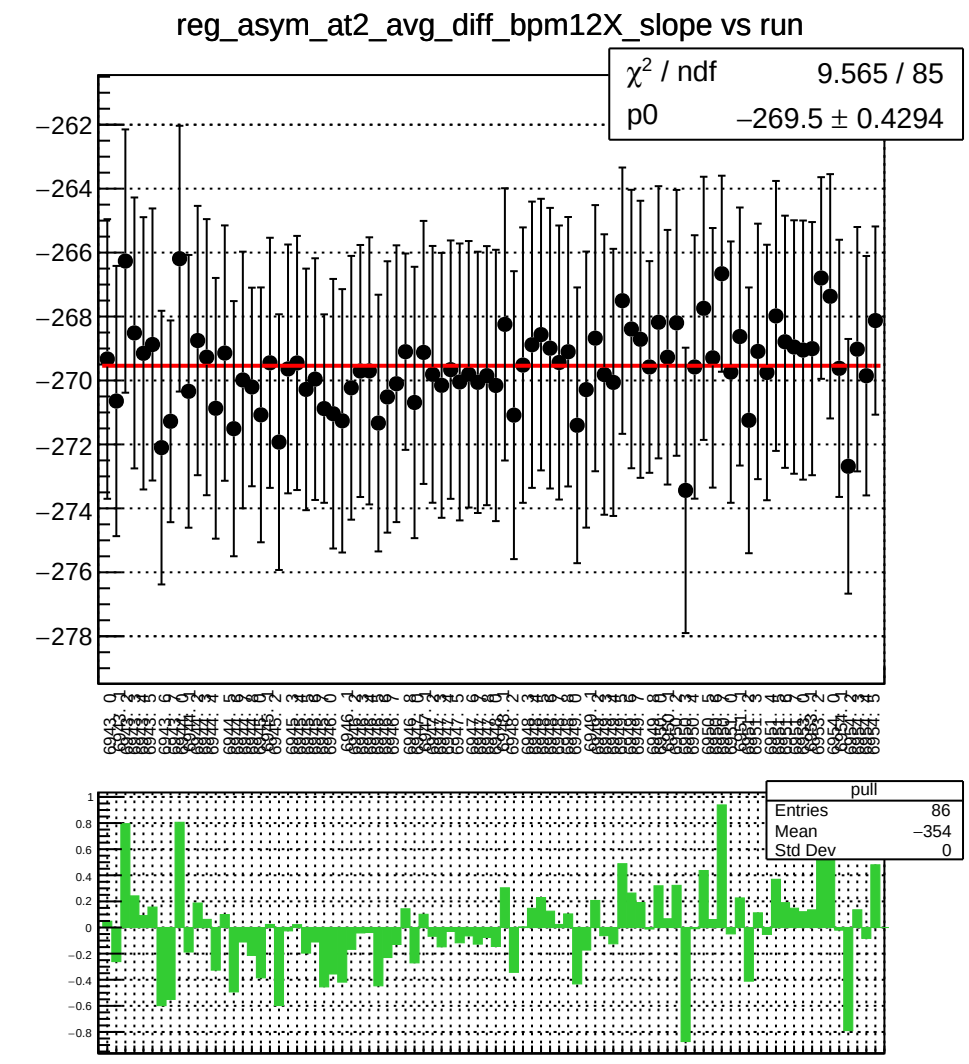

pull1D
Entries 86
Mean −0.03881
Std Dev 0.4487
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

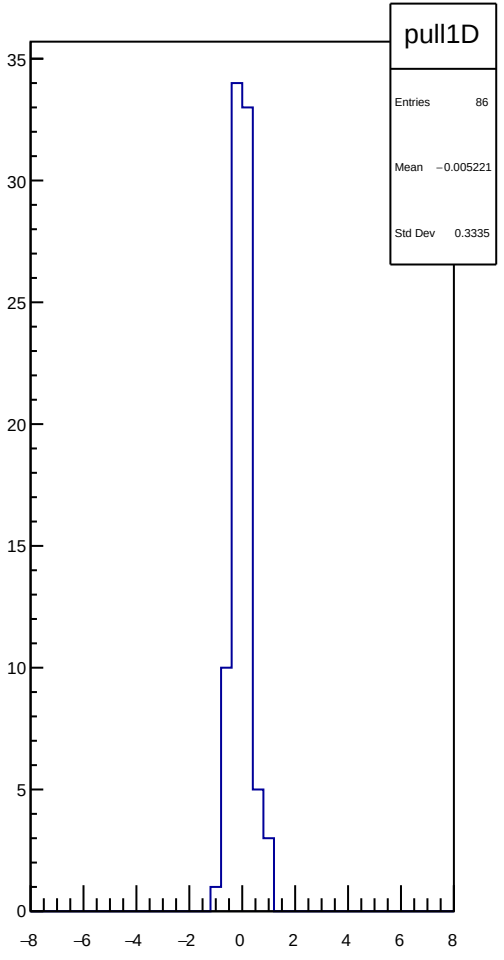

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.757 / 85
p0 5.966 ± 9.599
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 231.5
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

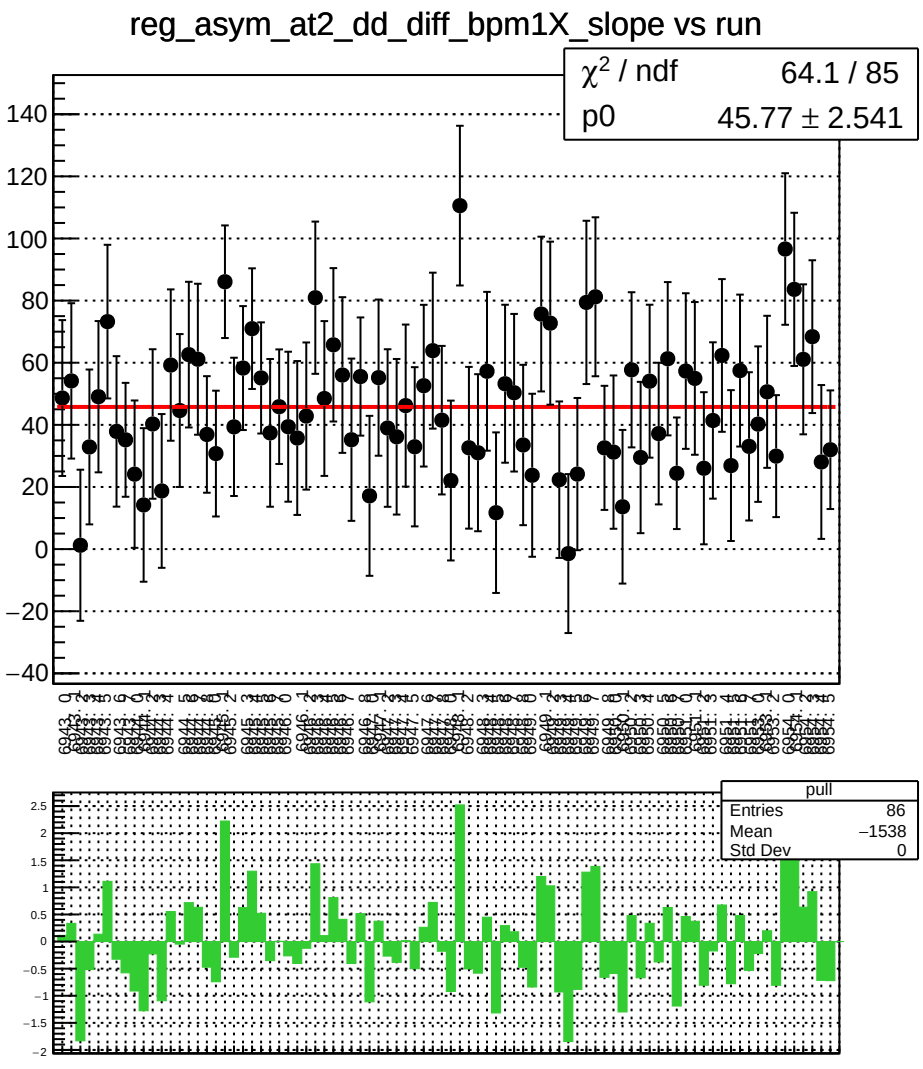

pull1D
Entries 86
Mean 0.009574
Std Dev 0.2585
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

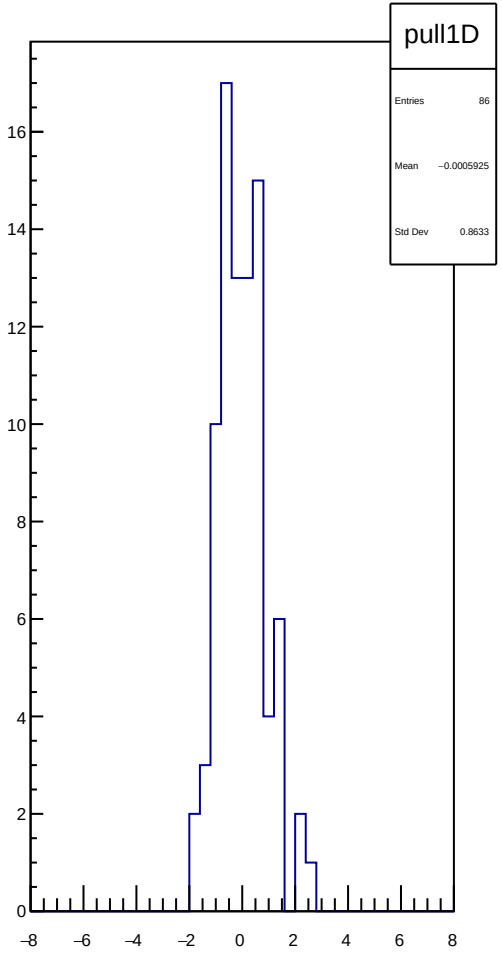

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.37 / 85
p0 509.9 ± 12.84
700
600
500
400
300
pull
Entries 86
Mean 53.12
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.03912
Std Dev 0.4477
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

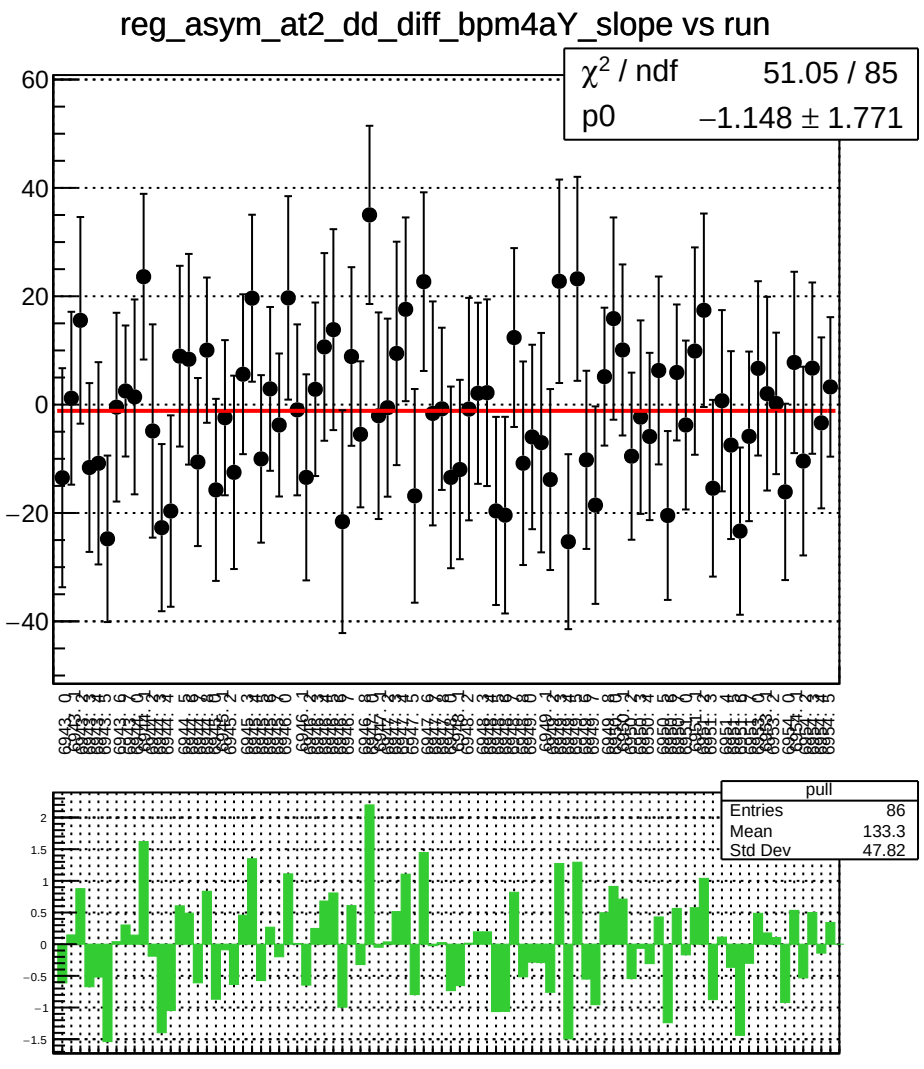

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.922 / 85
p0 130.9 ± 11.02
pull
Entries 86
Mean 224.4
Std Dev 0
pull1D
Entries 86
Mean −0.0121
Std Dev 0.2835

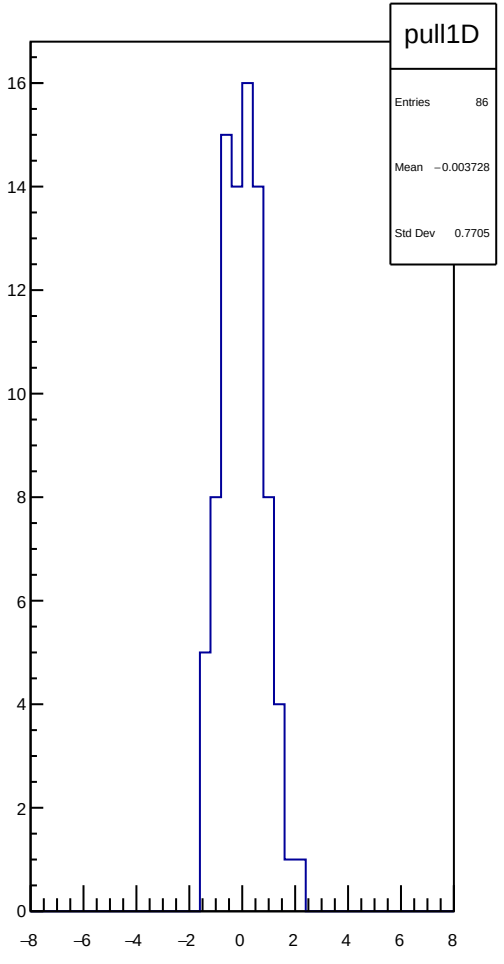

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.565 / 85
p0 −269.5 ± 0.4294
−262
−264
−266
−268
−270
−272
−274
−276
−278
pull
Entries 86
Mean −354
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

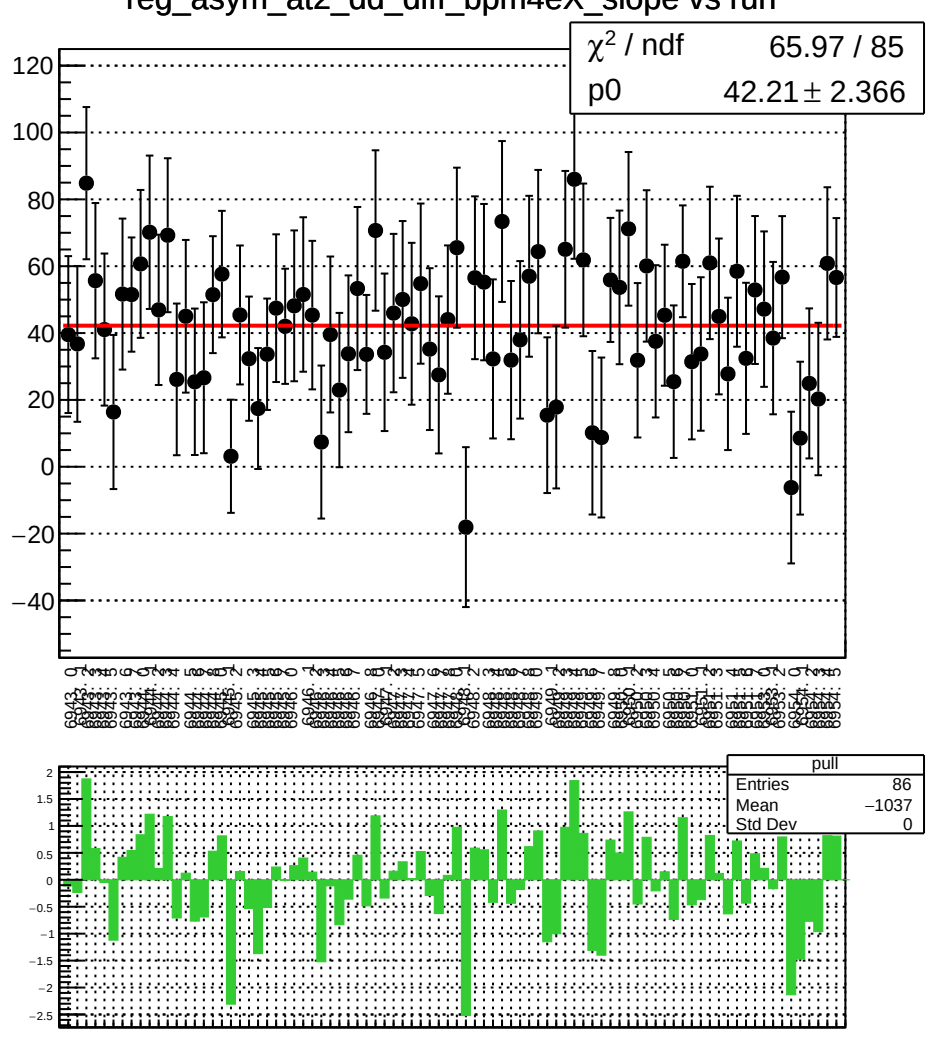

pull1D
Entries 86
Mean −0.005221
Std Dev 0.3335
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

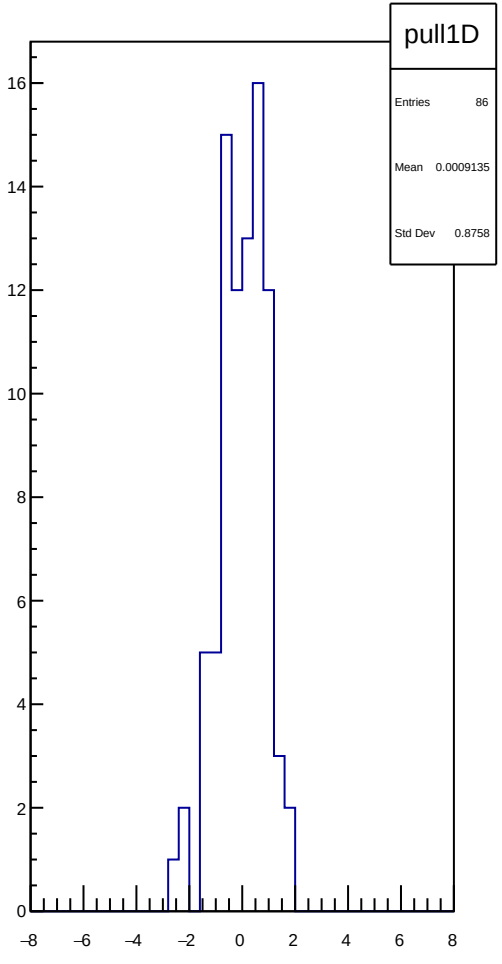

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 64.1 / 85
p0 45.77 ± 2.541
pull
Entries 86
Mean −1538
Std Dev 0

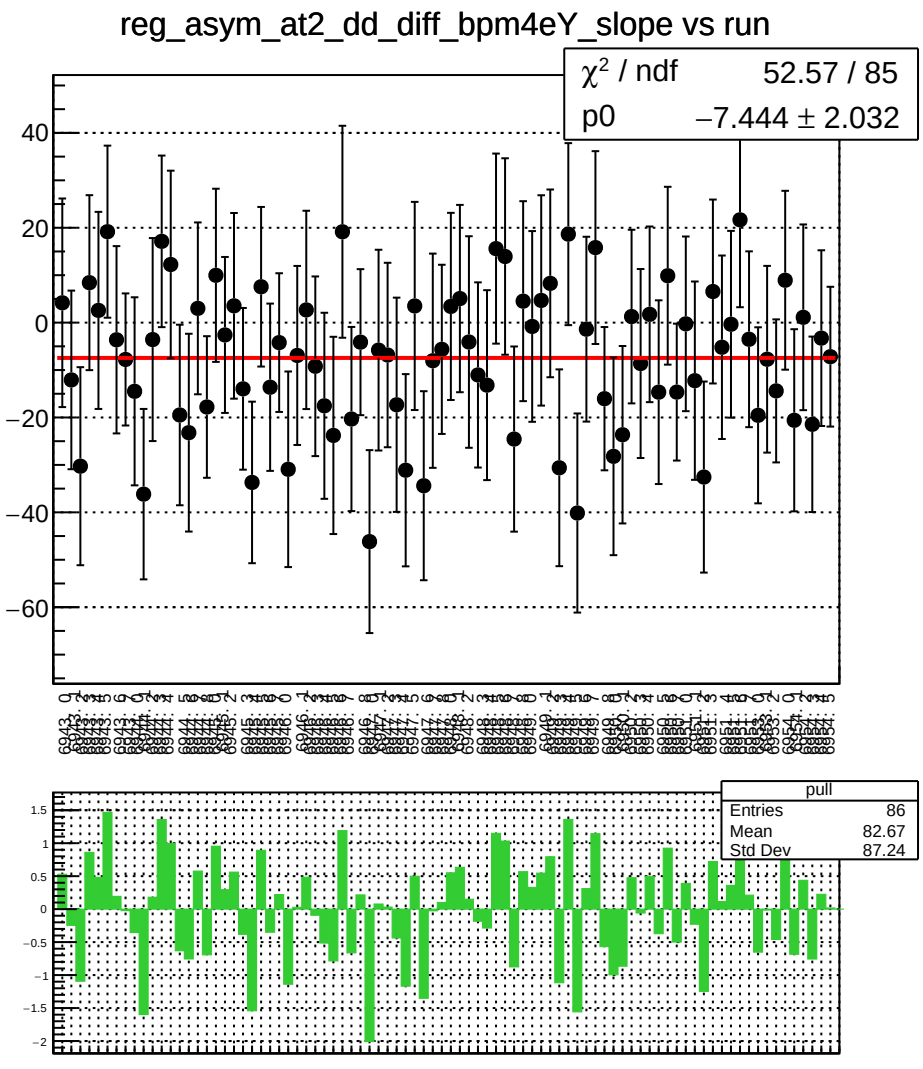

pull1D
Entries 86
Mean −0.0005925
Std Dev 0.8633

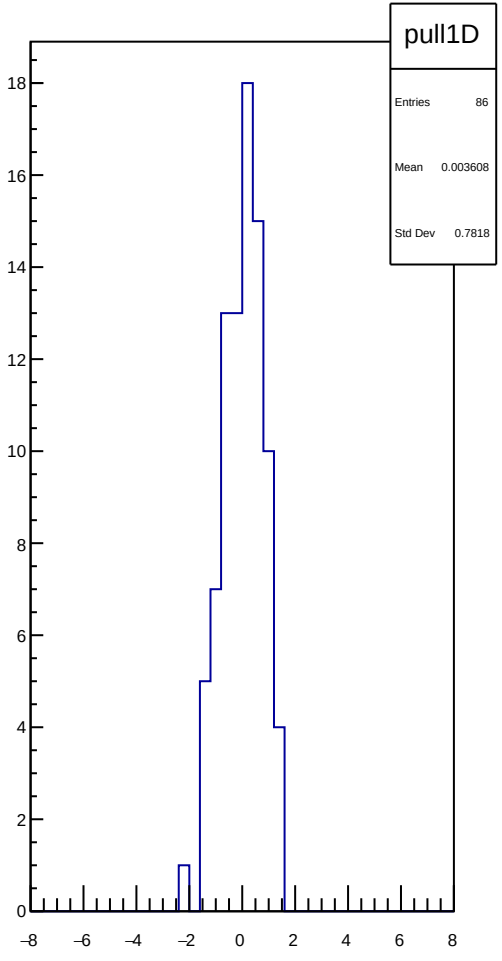

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.05 / 85
p0 −1.148 ± 1.771
pull
Entries 86
Mean 133.3
Std Dev 47.82

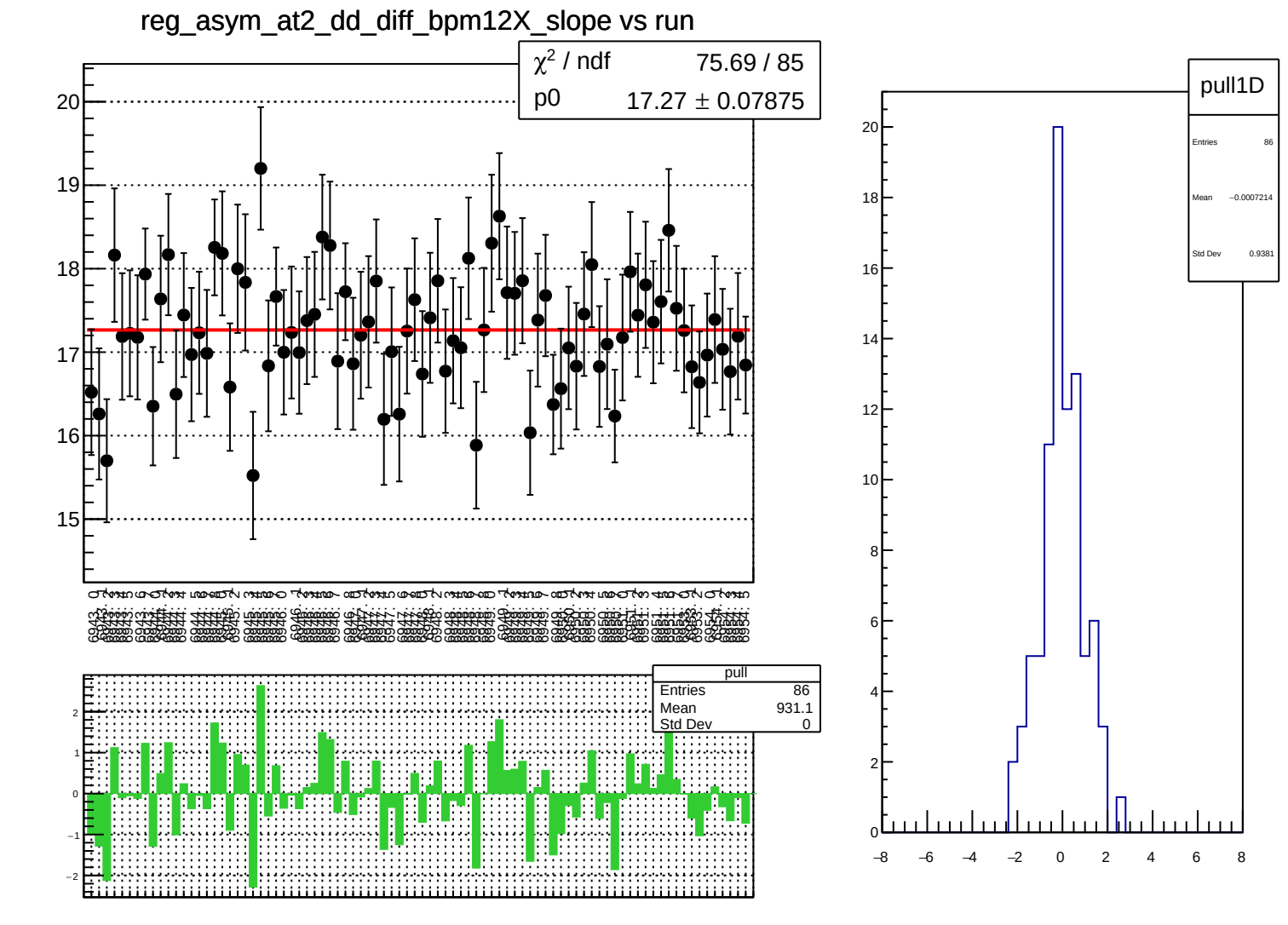

pull1D
Entries 86
Mean −0.003728
Std Dev 0.7705

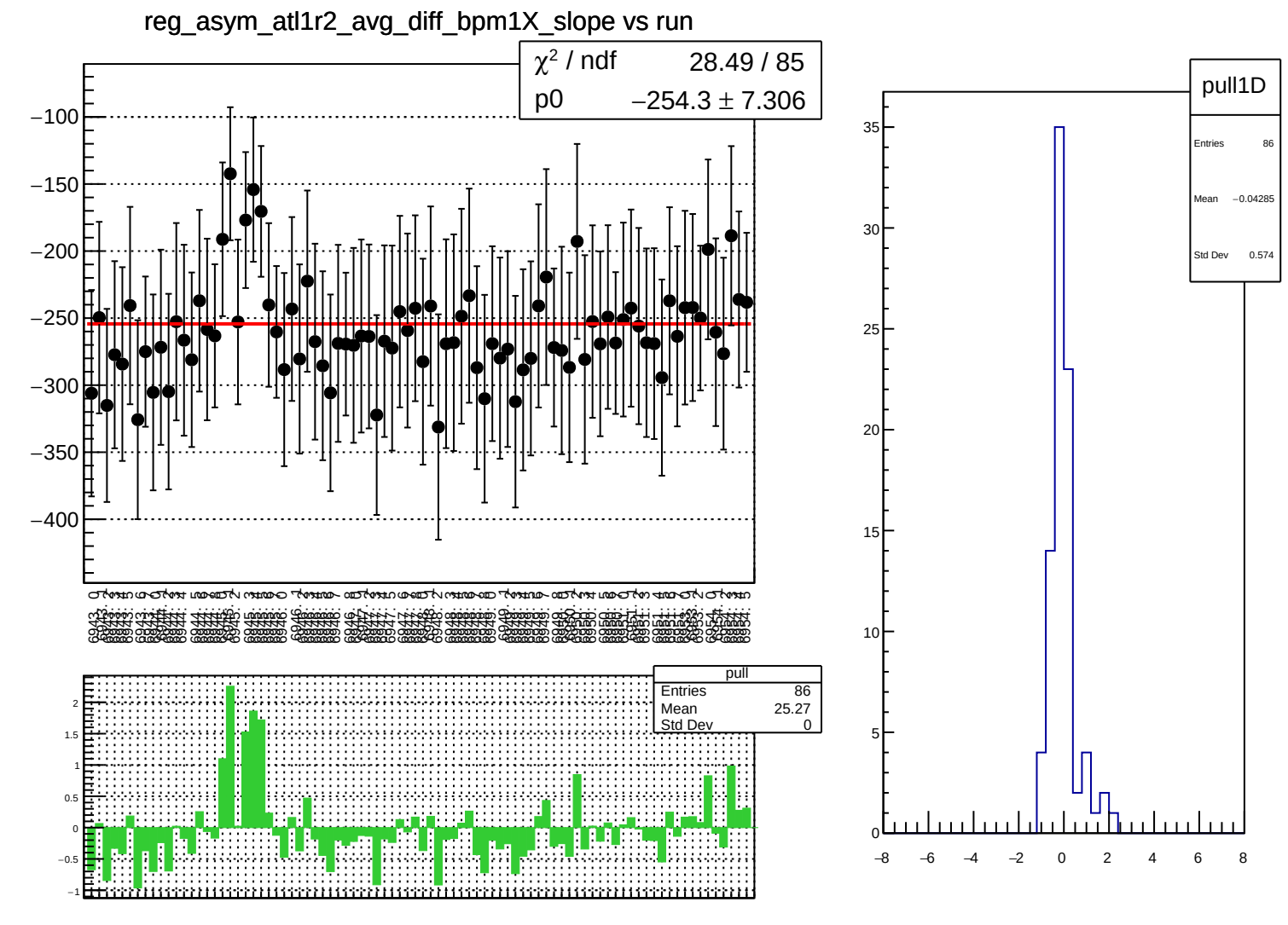

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.97 / 85
p0 42.21 ± 2.366
pull
Entries 86
Mean −1037
Std Dev 0

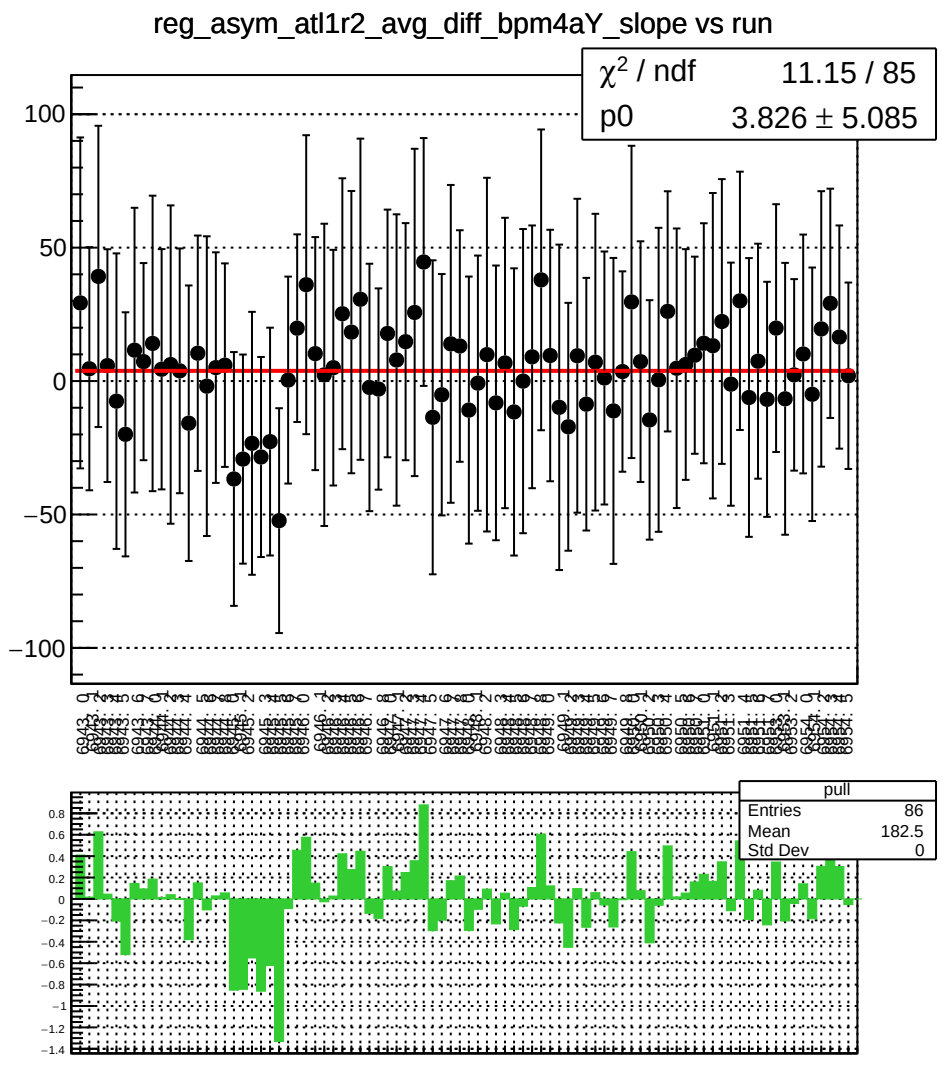

pull1D
Entries 86
Mean 0.0009135
Std Dev 0.8758

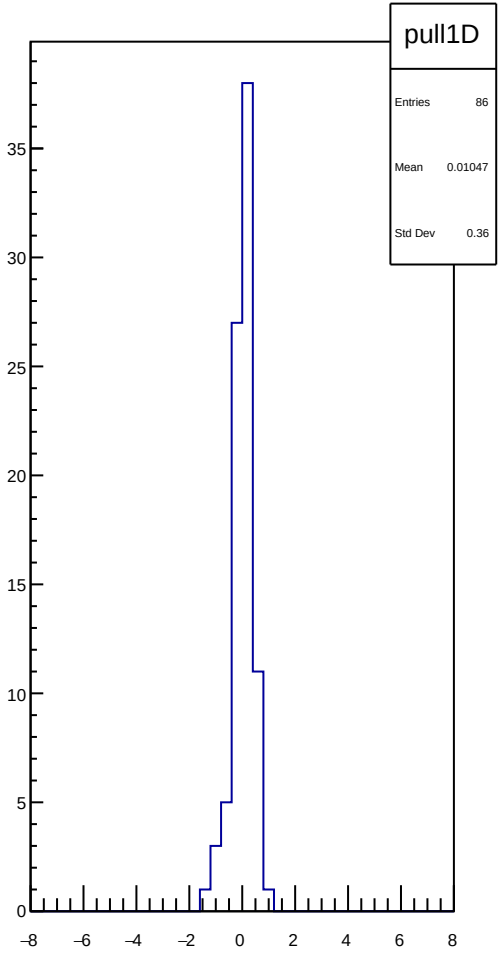

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.57 / 85
p0 −7.444 ± 2.032
pull
Entries 86
Mean 82.67
Std Dev 87.24

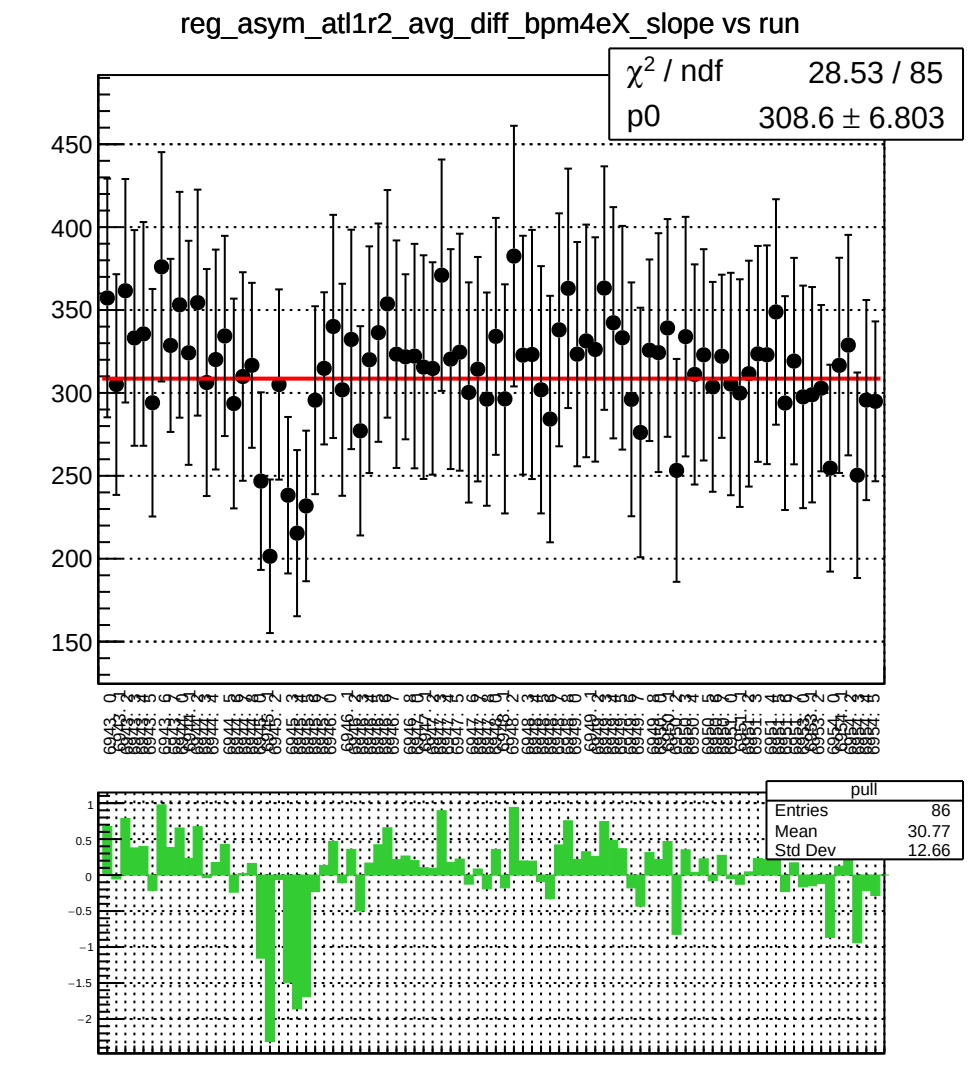

pull1D
Entries 86
Mean 0.003608
Std Dev 0.7818

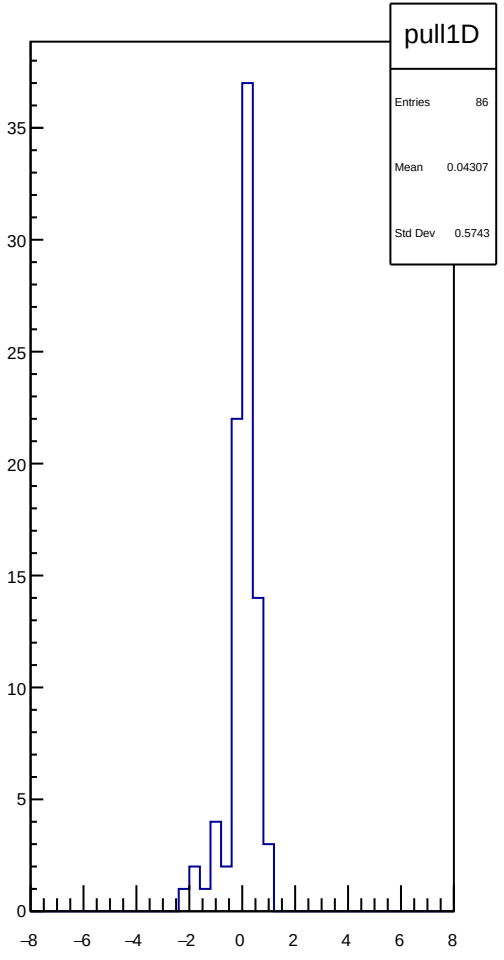

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 75.69 / 85
p0 17.27 ± 0.07875
pull
Entries 86
Mean 931.1
Std Dev 0
pull1D
Entries 86
Mean −0.0007214
Std Dev 0.9381

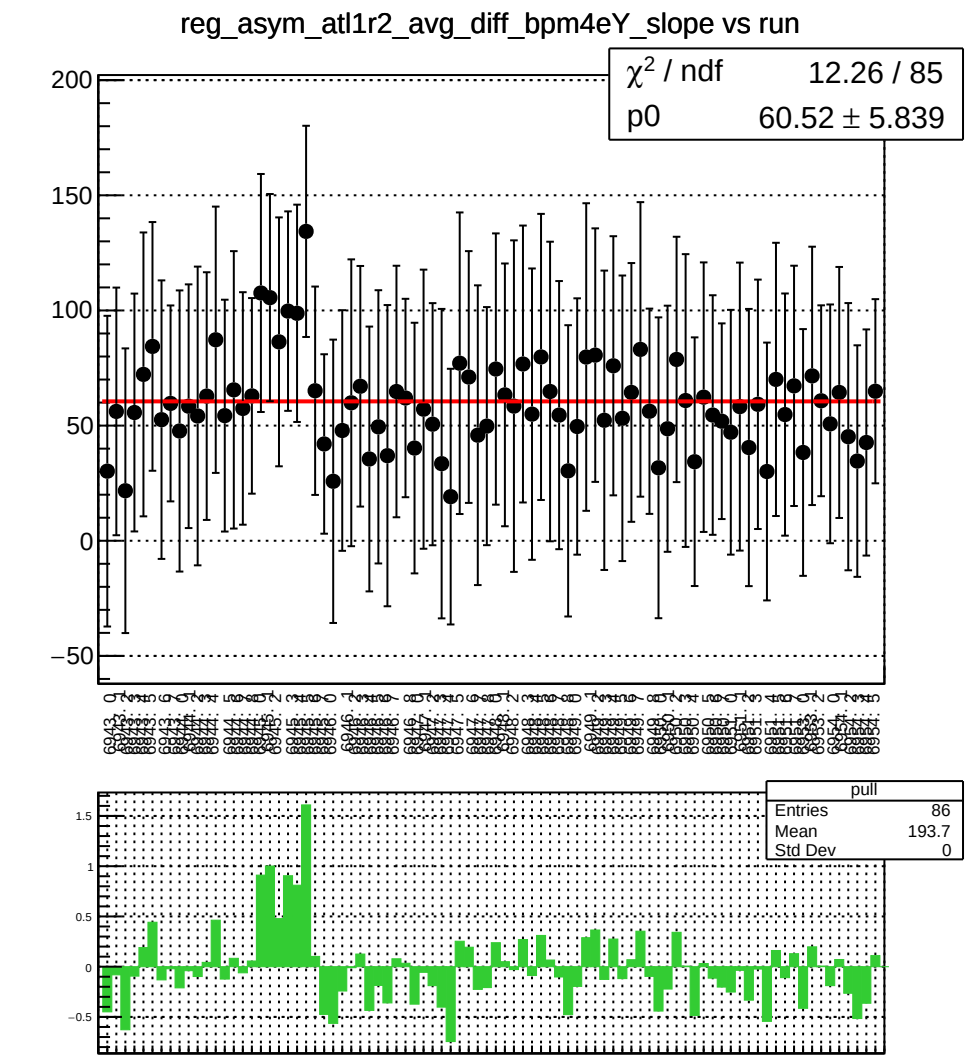

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 28.49 / 85
p0 −254.3 ± 7.306
pull
Entries 86
Mean 25.27
Std Dev 0
pull1D
Entries 86
Mean −0.04285
Std Dev 0.574

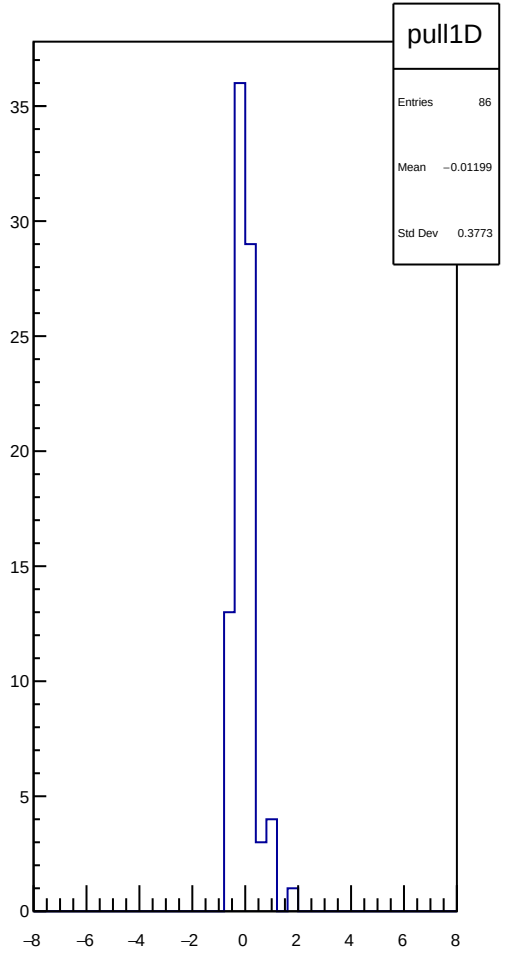

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.15 / 85
p0 3.826 ± 5.085
pull
Entries 86
Mean 182.5
Std Dev 0

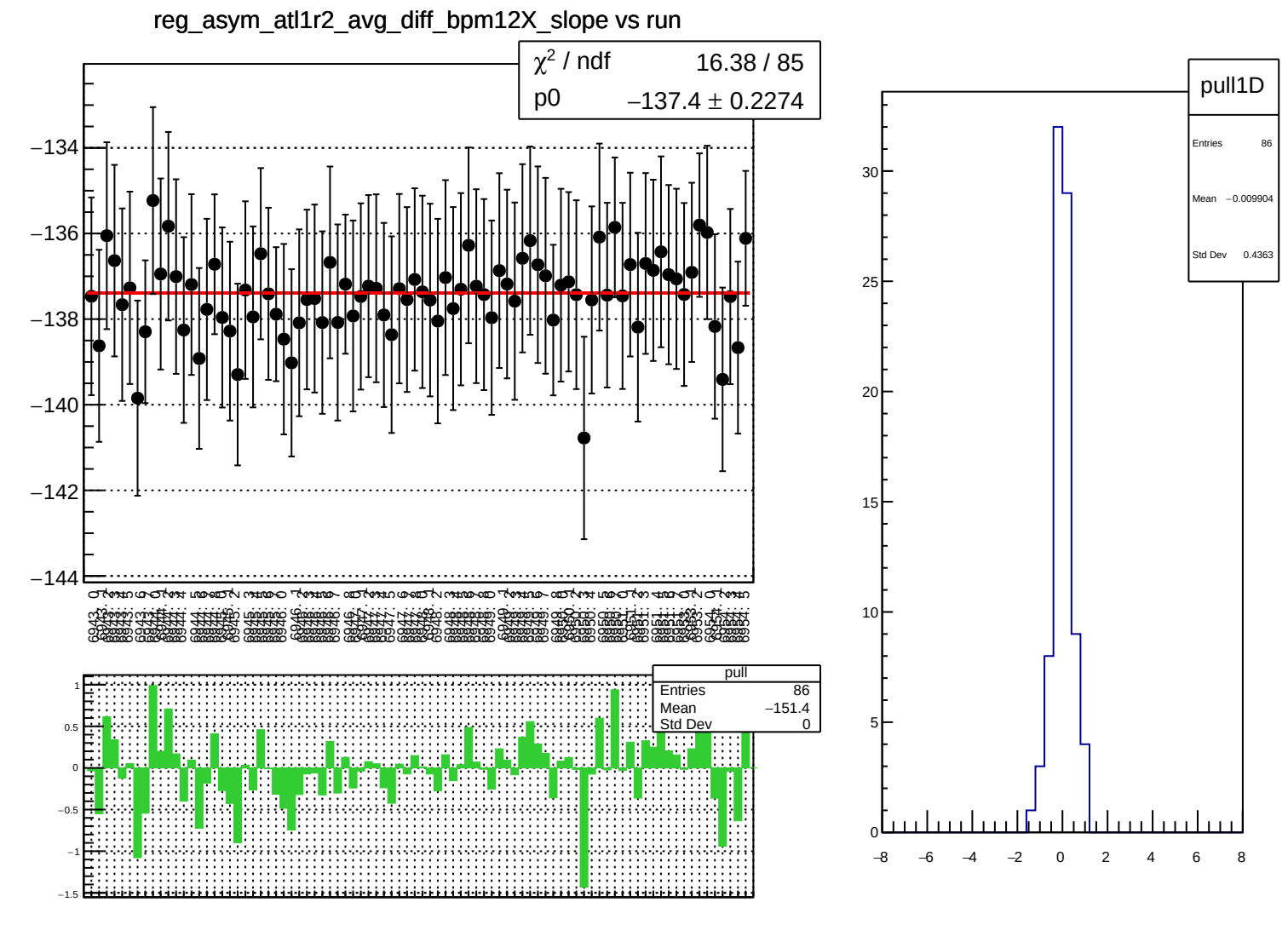

pull1D
Entries 86
Mean 0.01047
Std Dev 0.36

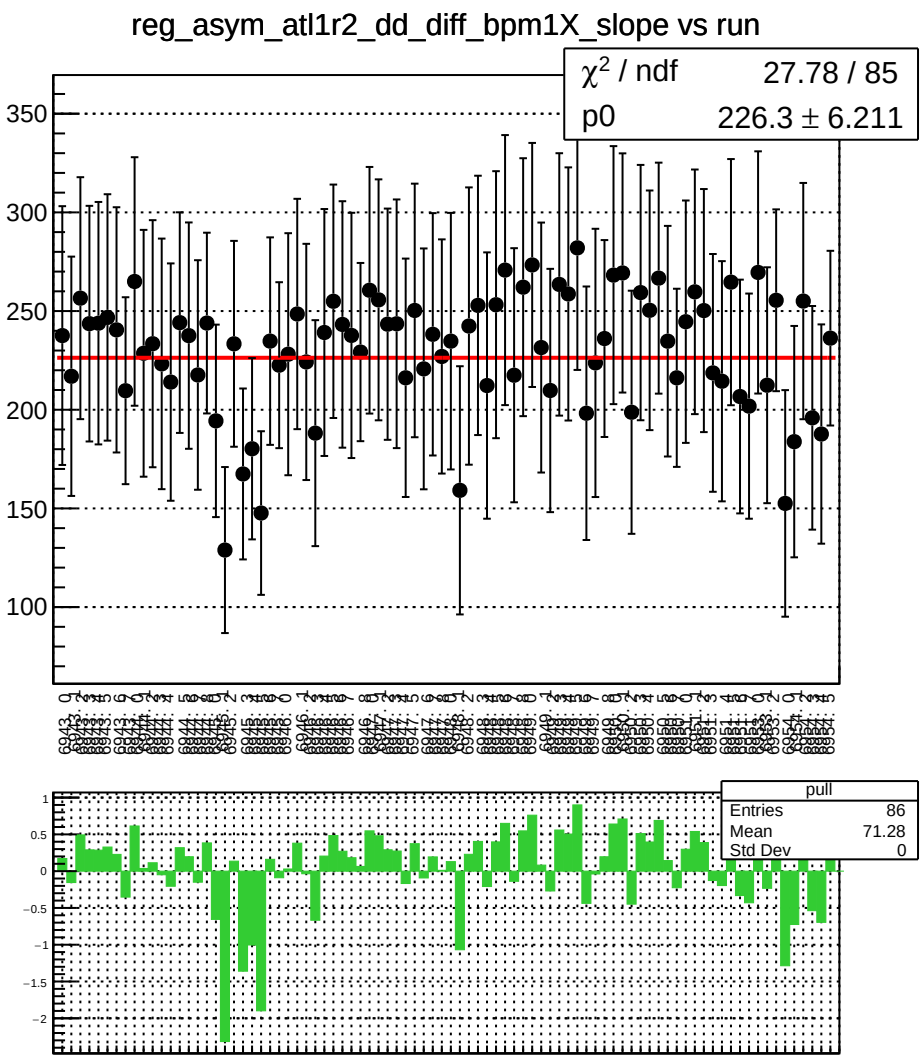

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.53 / 85
p0 308.6 ± 6.803
pull
Entries 86
Mean 30.77
Std Dev 12.66

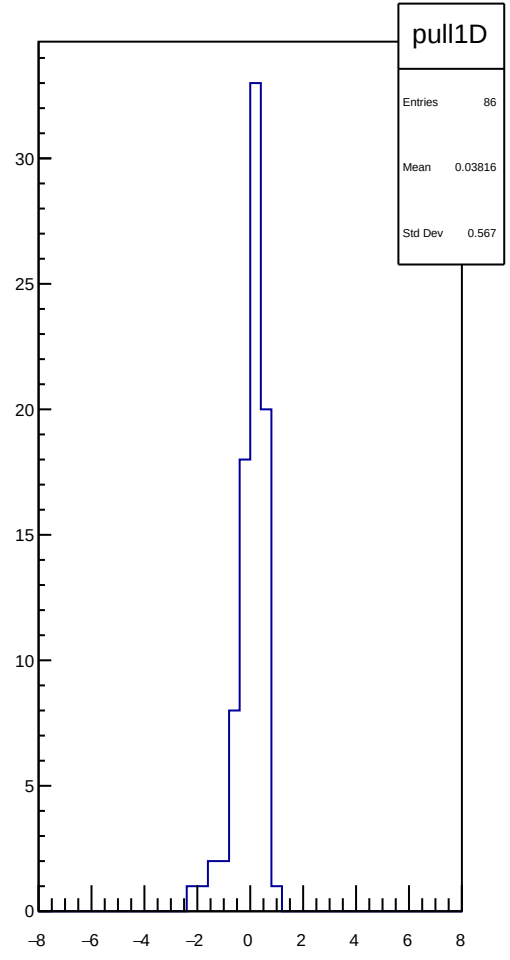

pull1D
Entries 86
Mean 0.04307
Std Dev 0.5743

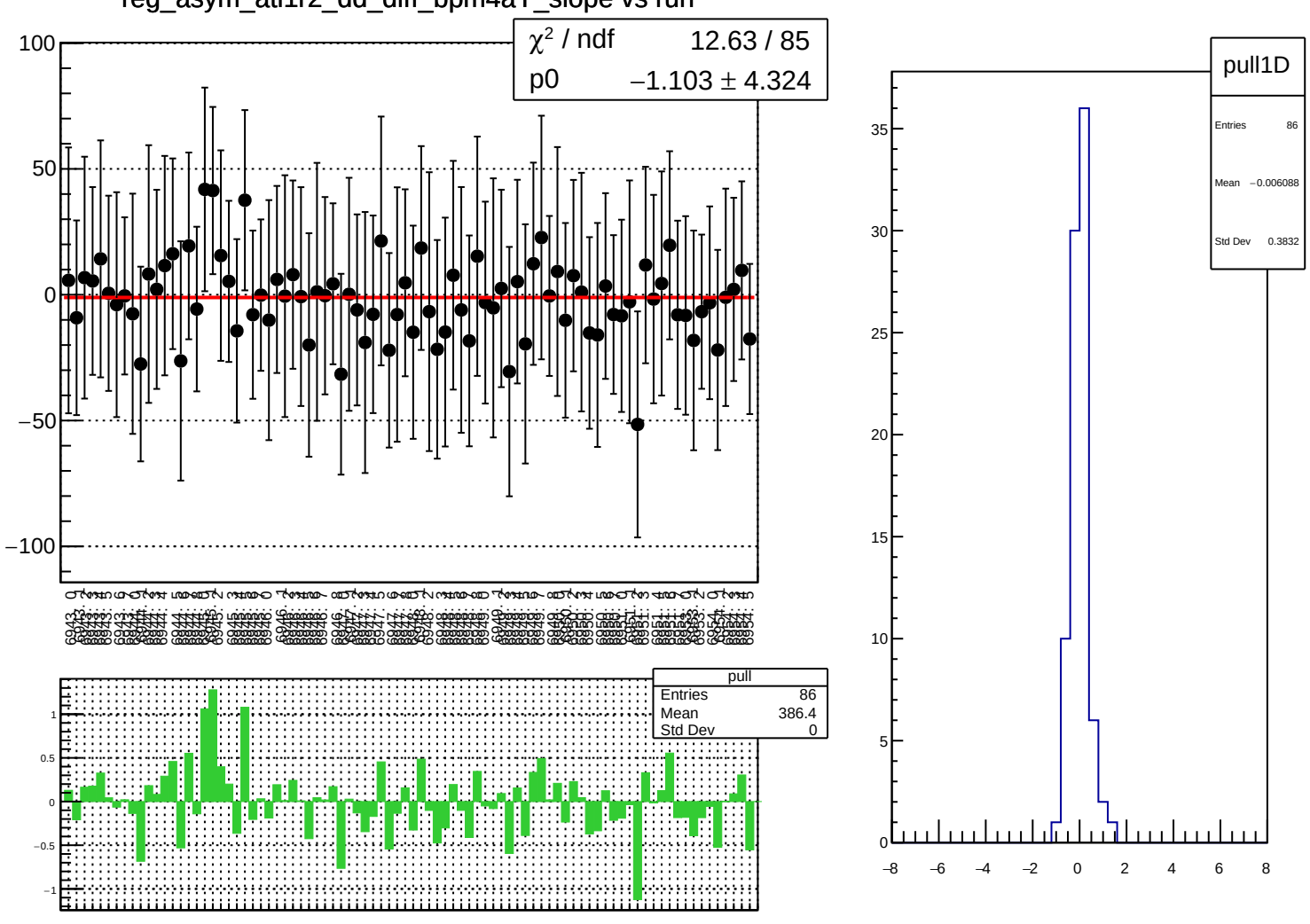

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.26 / 85
p0 60.52 ± 5.839
pull
Entries 86
Mean 193.7
Std Dev 0

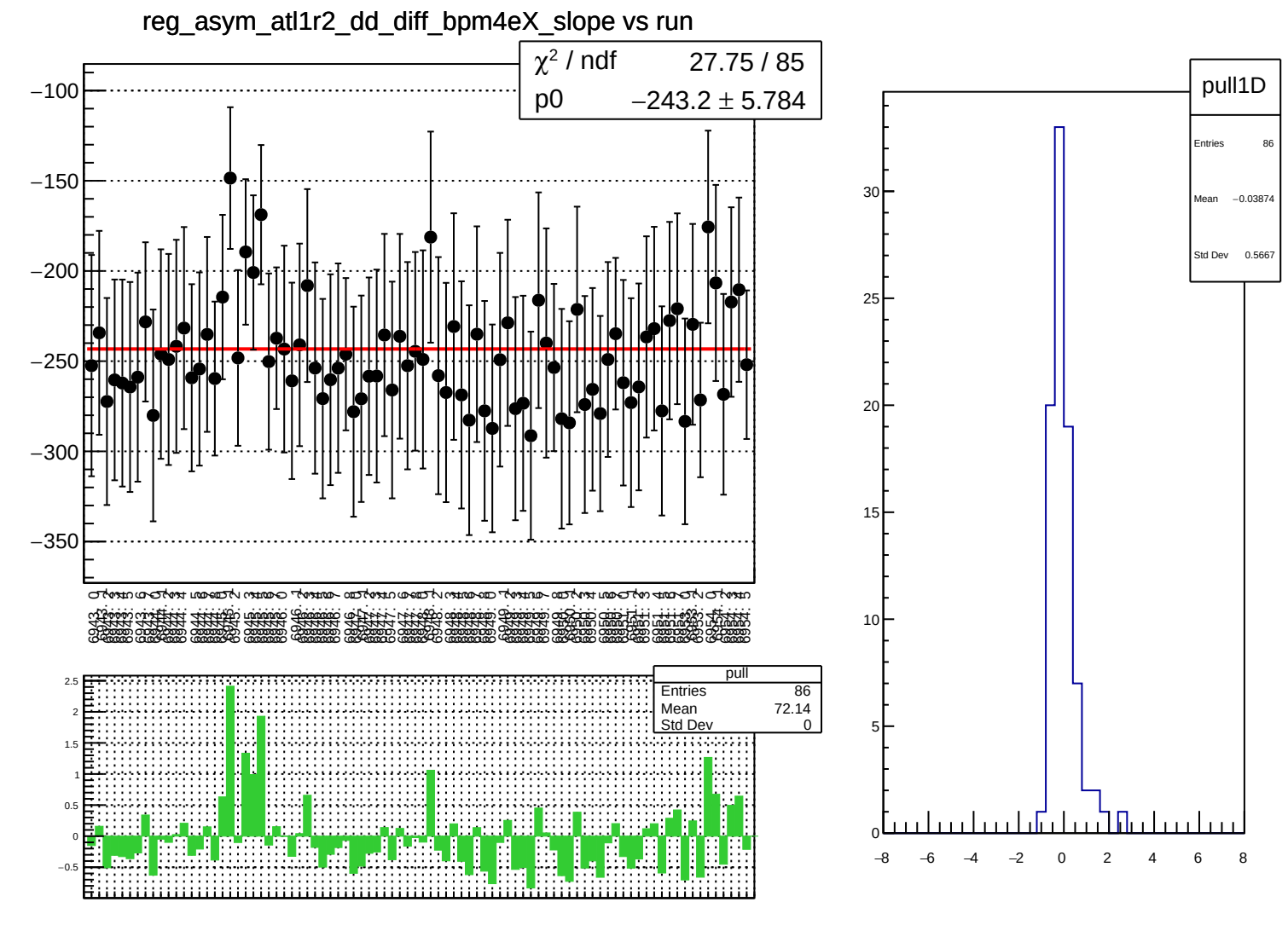

pull1D
Entries 86
Mean −0.01199
Std Dev 0.3773

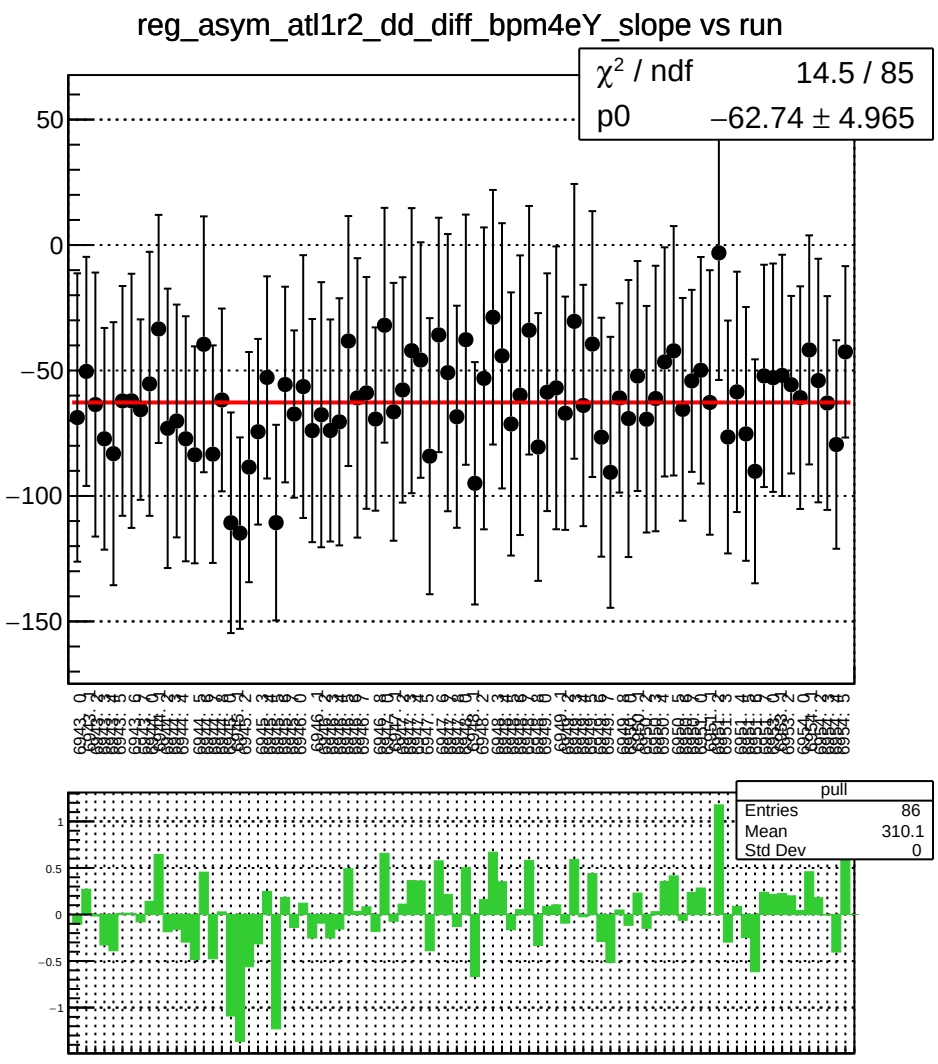

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.38 / 85
p0 −137.4 ± 0.2274
−134
−136
−138
−140
−142
−144
pull
Entries 86
Mean −151.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.009904
Std Dev 0.4363
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

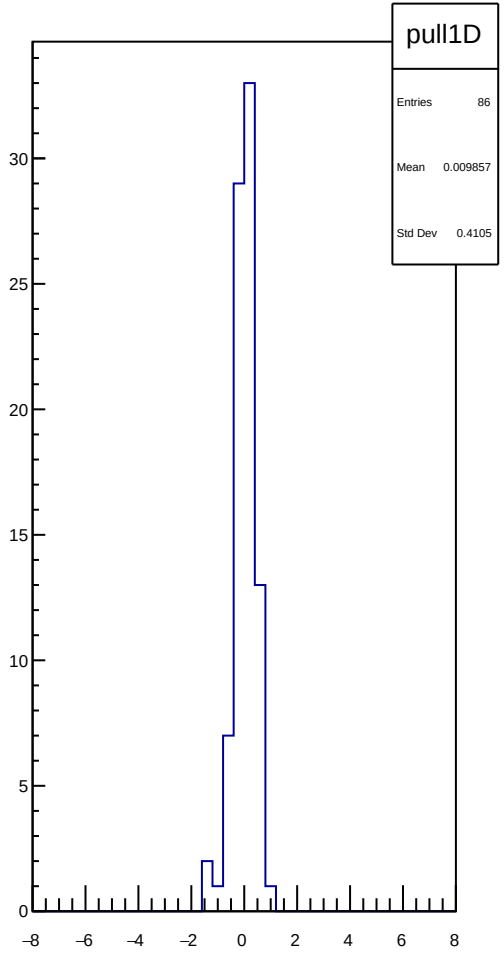

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.78 / 85
p0 226.3 ± 6.211
pull
Entries 86
Mean 71.28
Std Dev 0

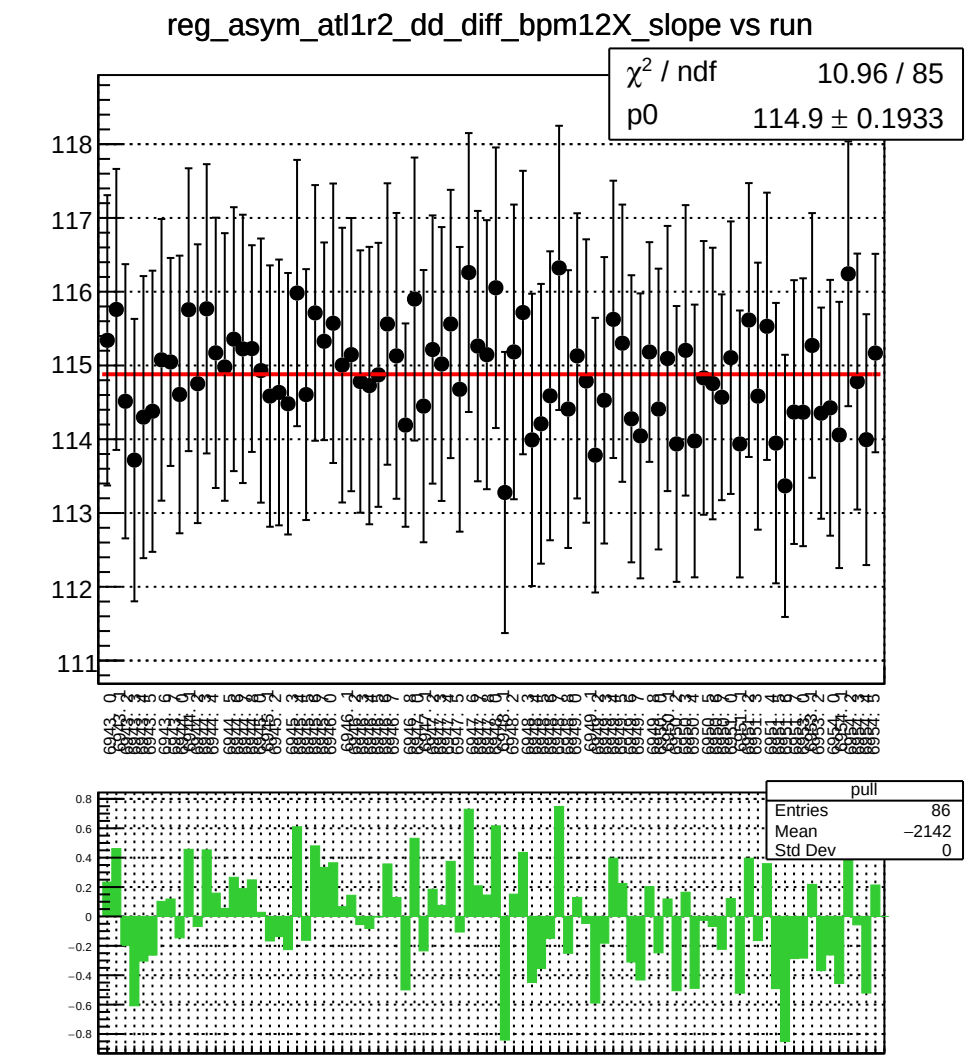

pull1D
Entries 86
Mean 0.03816
Std Dev 0.567

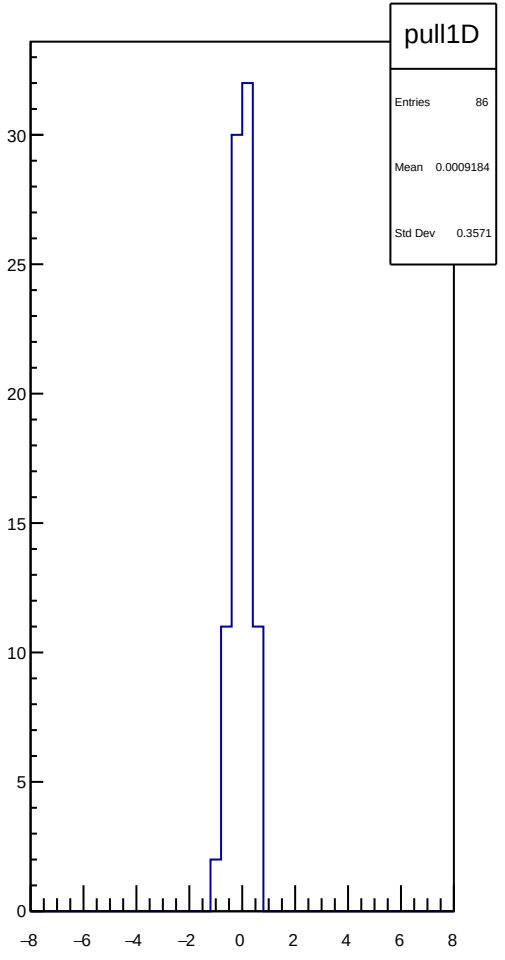

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.63 / 85
p0 −1.103 ± 4.324
pull
Entries 86
Mean 386.4
Std Dev 0
pull1D
Entries 86
Mean −0.006088
Std Dev 0.3832

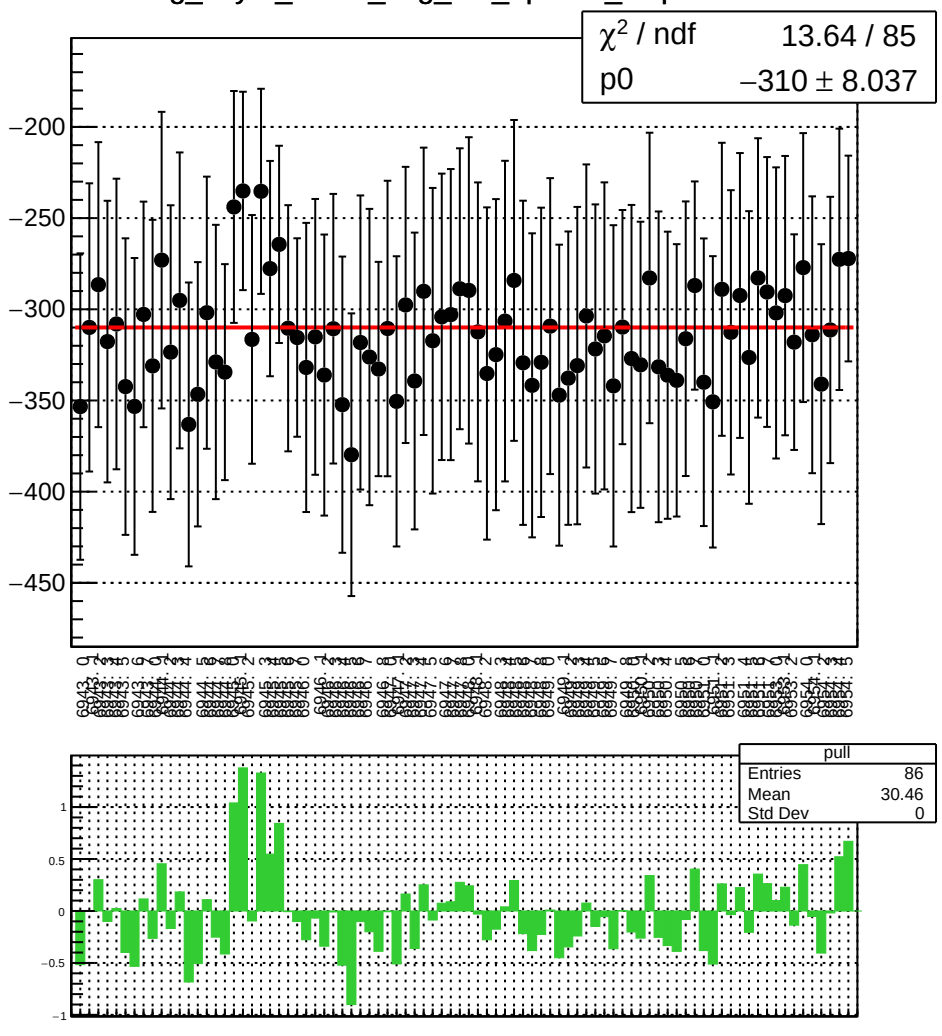

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.75 / 85
p0 −243.2 ± 5.784
−100
−150
−200
−250
−300
−350
pull
Entries 86
Mean 72.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.03874
Std Dev 0.5667
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

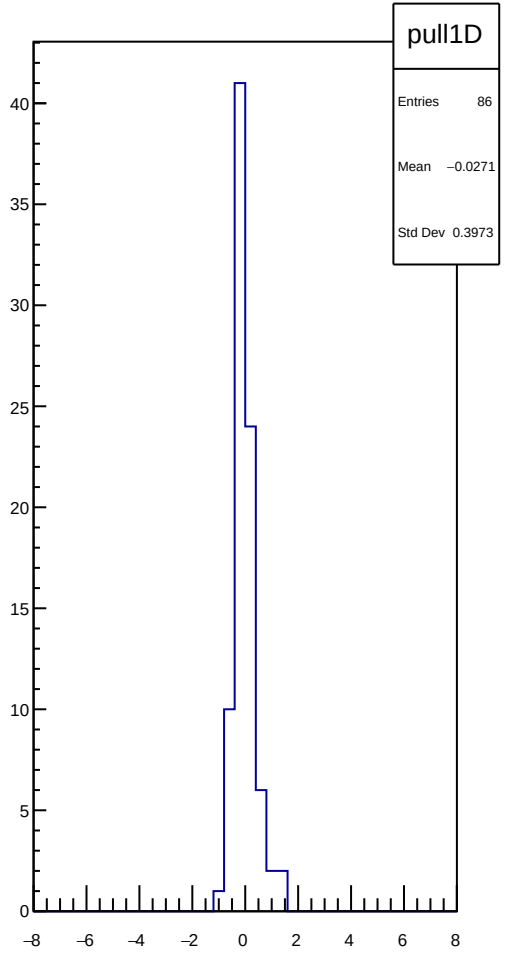

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.5 / 85
p0 −62.74 ± 4.965
50
0
−50
−100
−150
pull
Entries 86
Mean 310.1
Std Dev 0
1
0.5
0
−0.5
−1

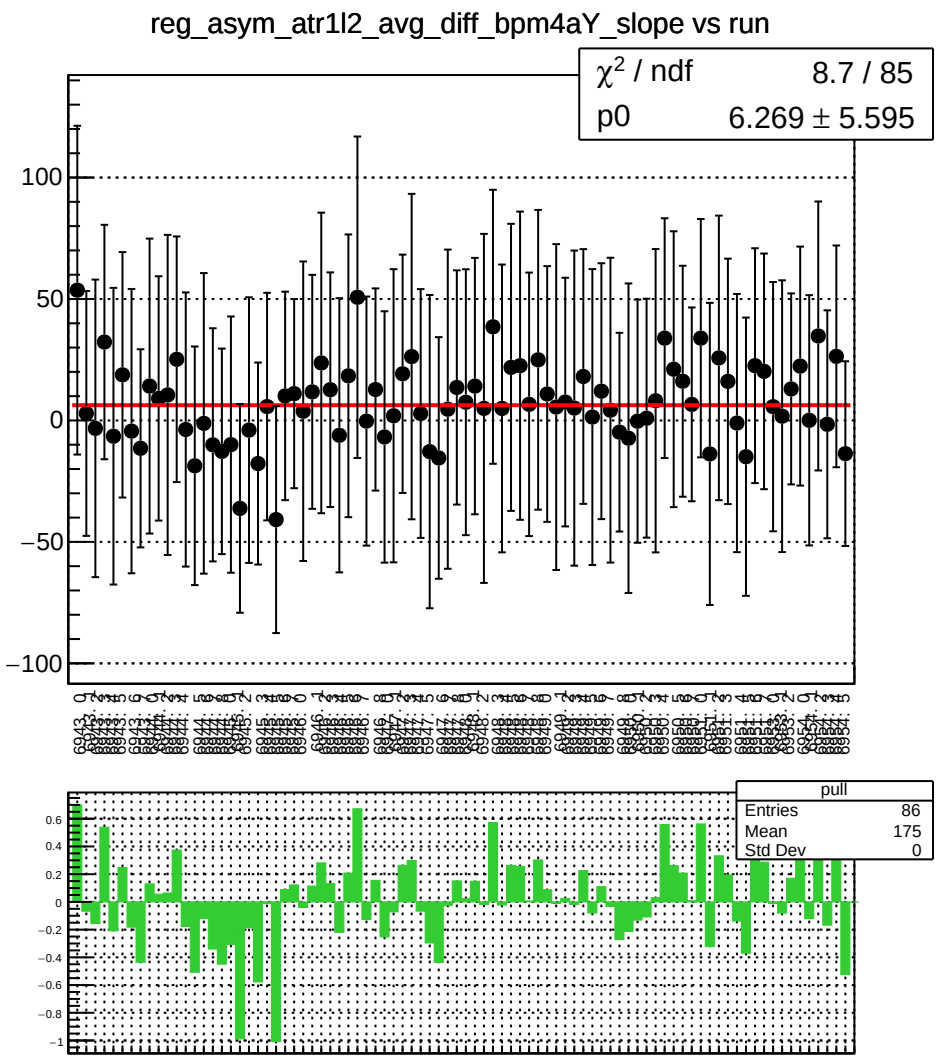

pull1D
Entries 86
Mean 0.009857
Std Dev 0.4105
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

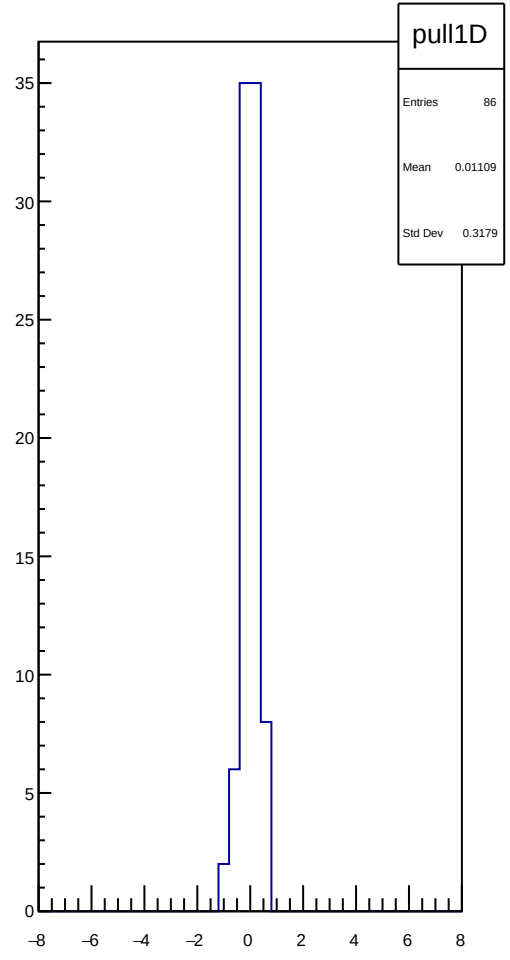

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.96 / 85
p0 114.9 ± 0.1933
pull
Entries 86
Mean −2142
Std Dev 0

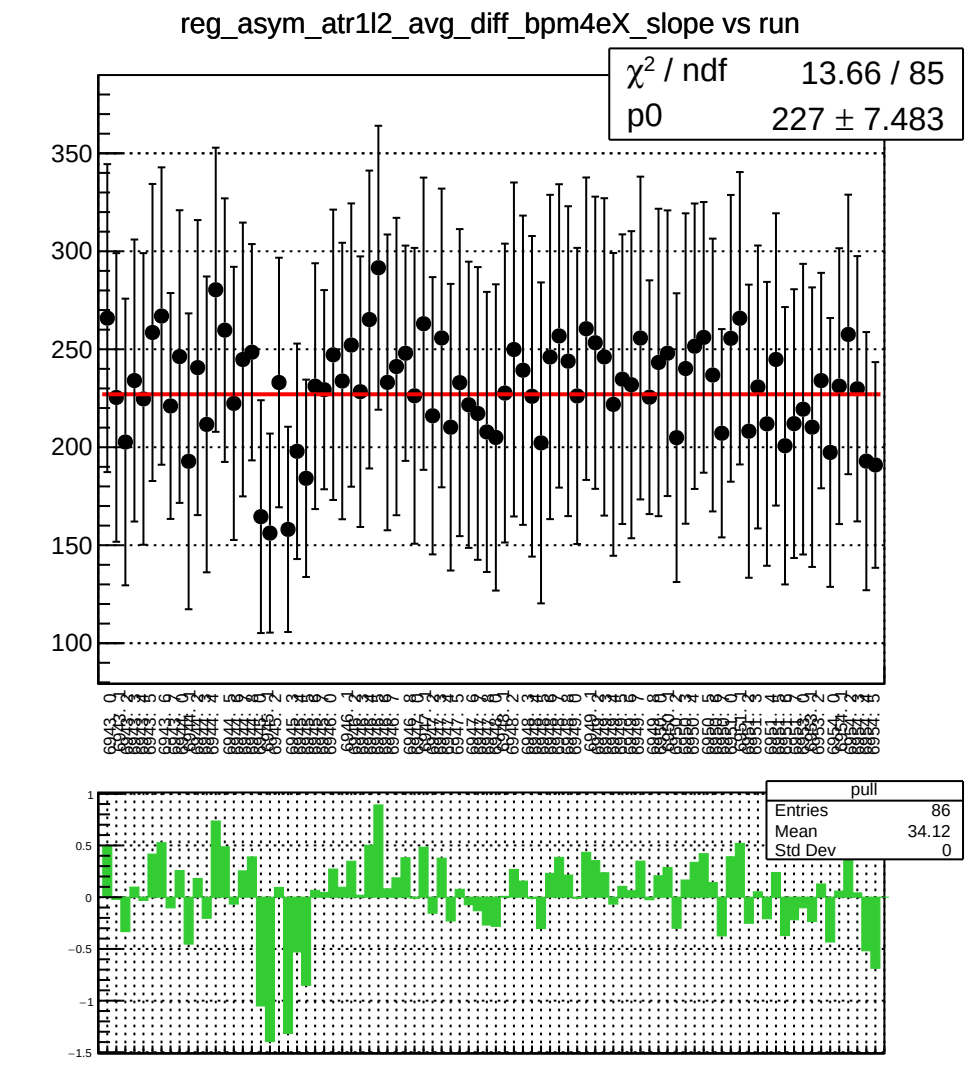

pull1D
Entries 86
Mean 0.0009184
Std Dev 0.3571

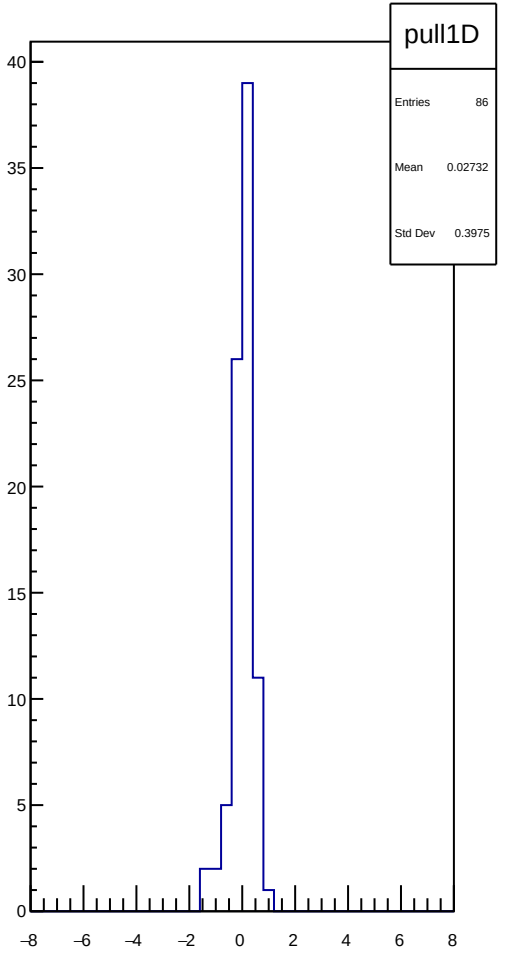

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.64 / 85
p0 −310 ± 8.037
−200
−250
−300
−350
−400
−450
pull
Entries 86
Mean 30.46
Std Dev 0
1
0.5
0
−0.5
−1

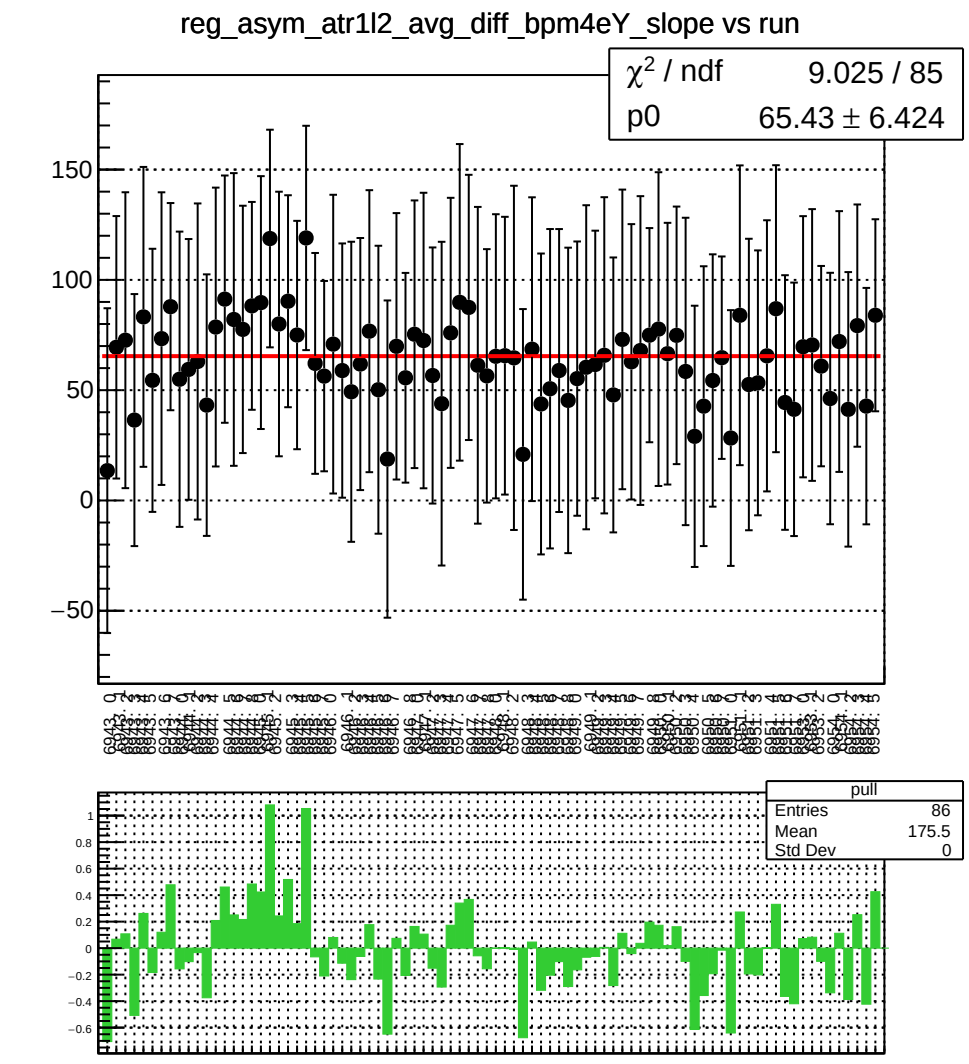

pull1D
Entries 86
Mean −0.0271
Std Dev 0.3973
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

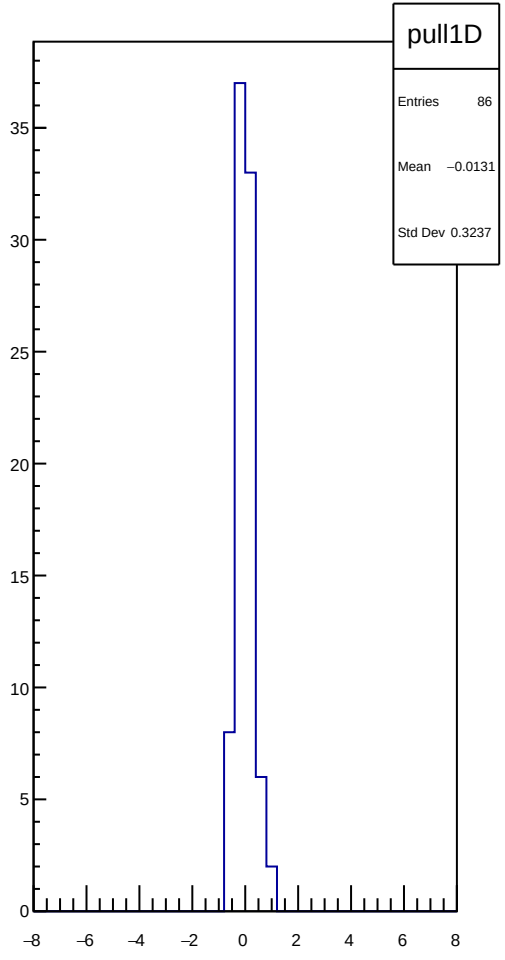

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.7 / 85
p0 6.269 ± 5.595
pull
Entries 86
Mean 175
Std Dev 0

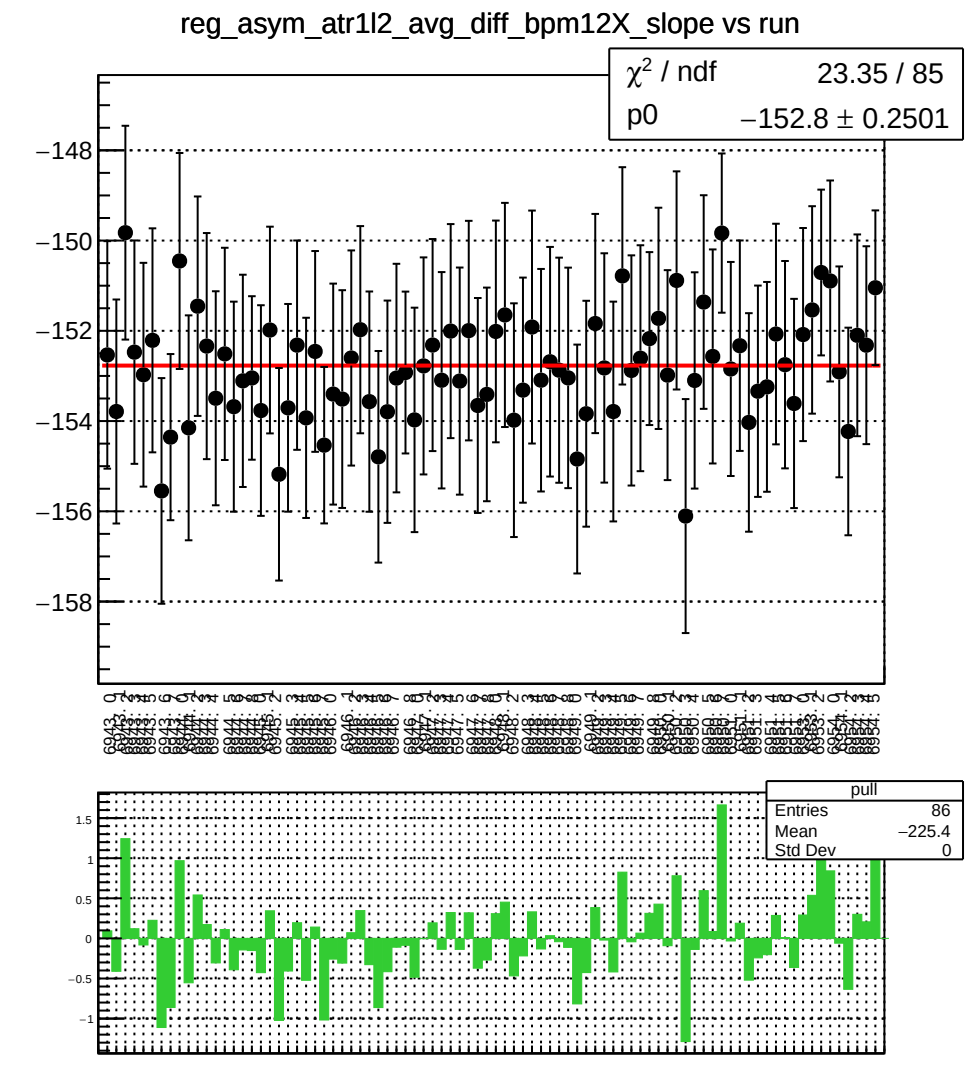

pull1D
Entries 86
Mean 0.01109
Std Dev 0.3179

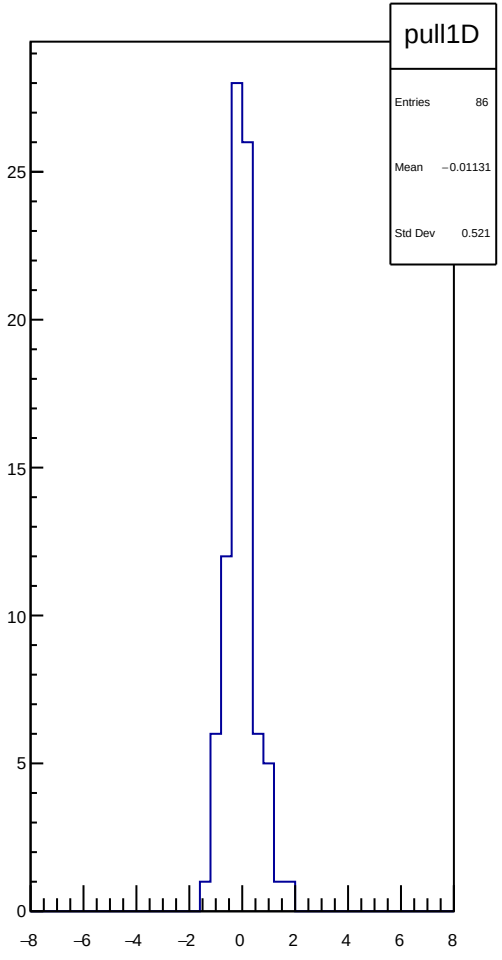

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.66 / 85
p0 227 ± 7.483
pull
Entries 86
Mean 34.12
Std Dev 0

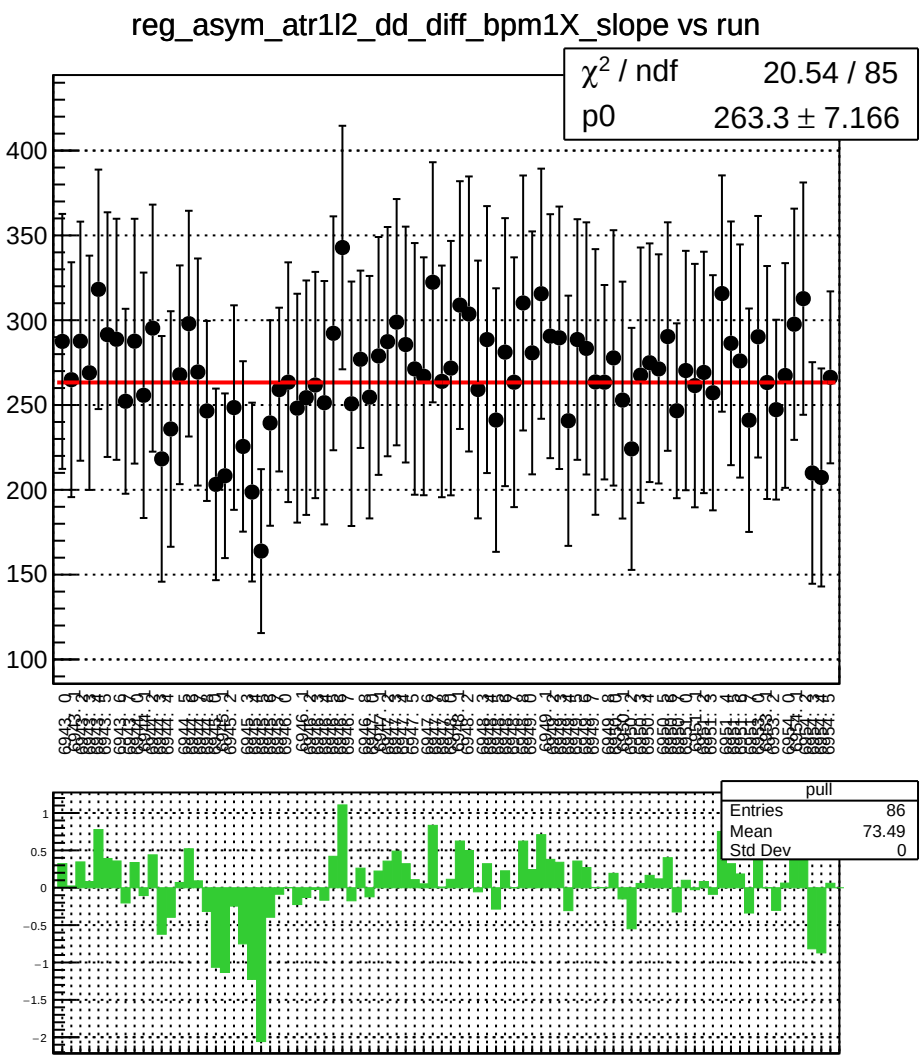

pull1D
Entries 86
Mean 0.02732
Std Dev 0.3975

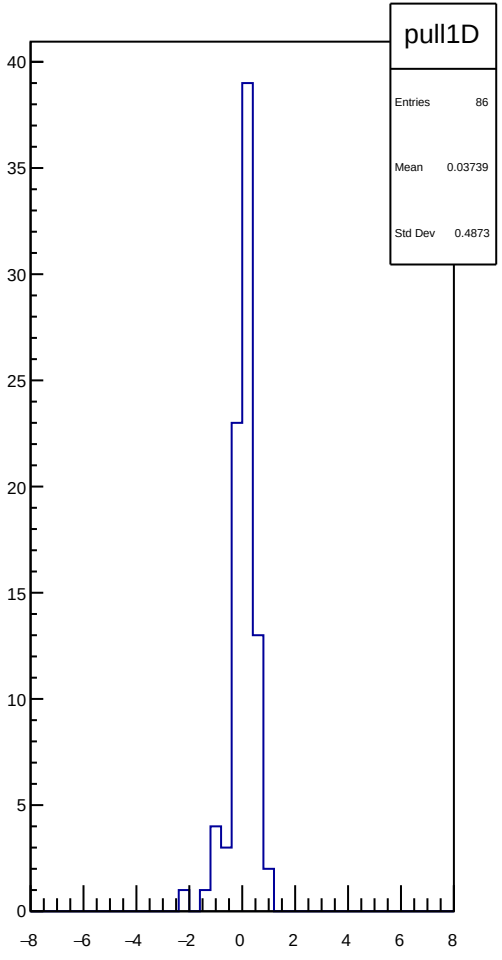

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.025 / 85
p0 65.43 ± 6.424
150
100
50
0
−50
pull
Entries 86
Mean 175.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

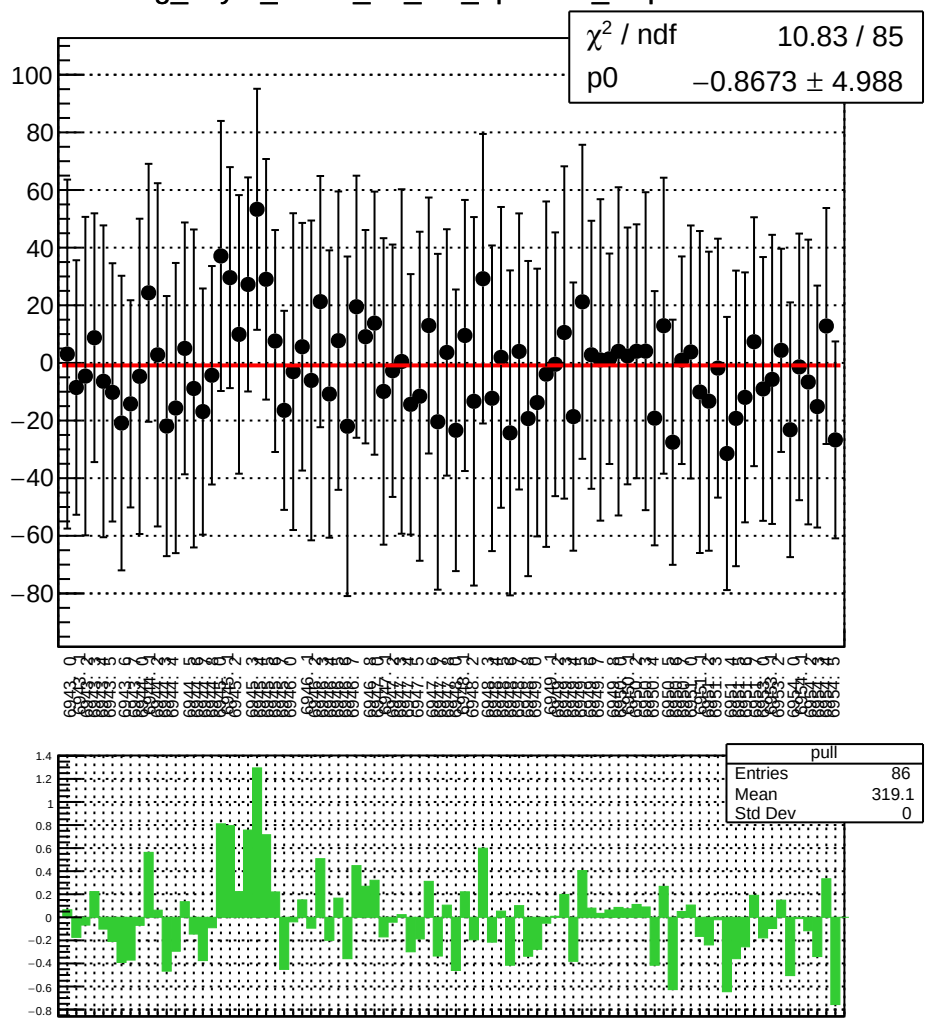

pull1D
Entries 86
Mean −0.0131
Std Dev 0.3237
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

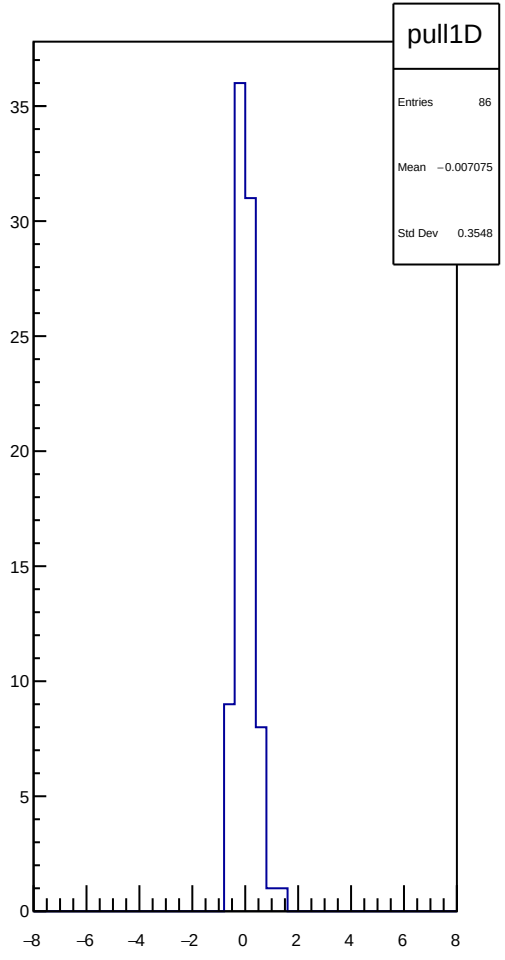

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.35 / 85
p0 −152.8 ± 0.2501
−148
−150
−152
−154
−156
−158
pull
Entries 86
Mean −225.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1

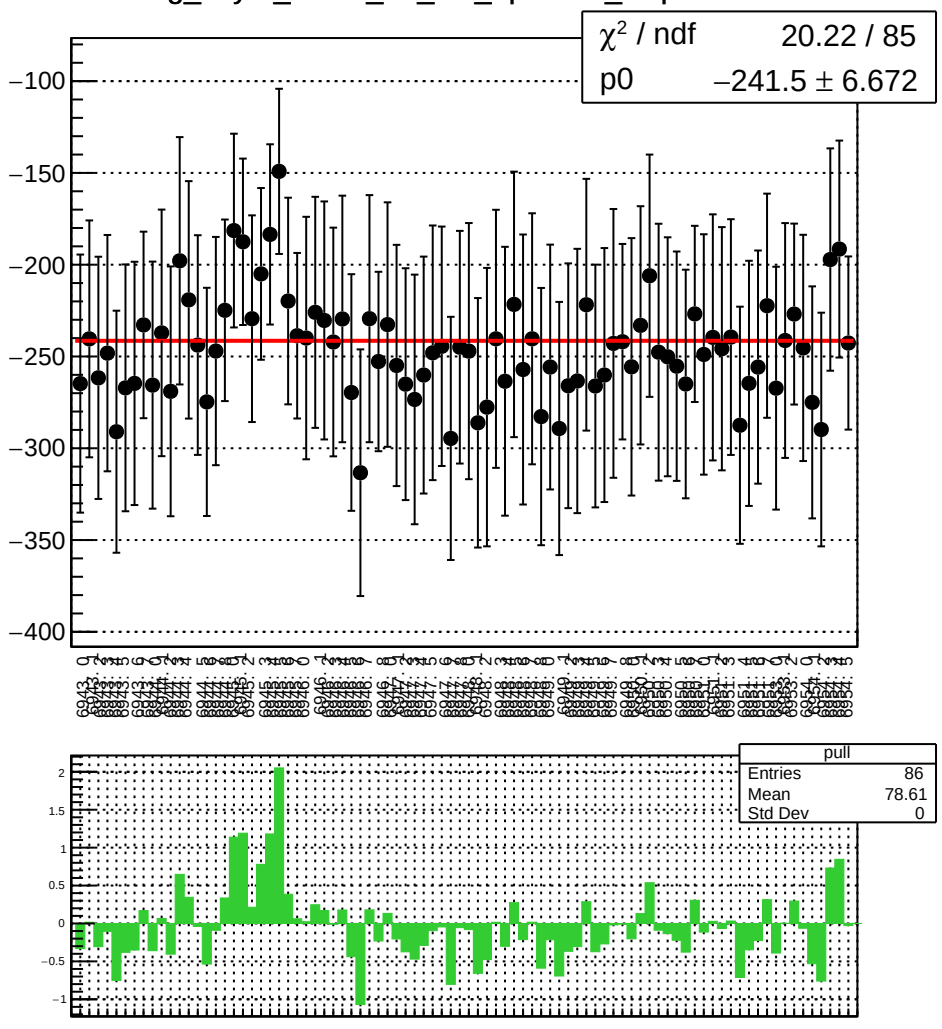

pull1D
Entries 86
Mean −0.01131
Std Dev 0.521
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

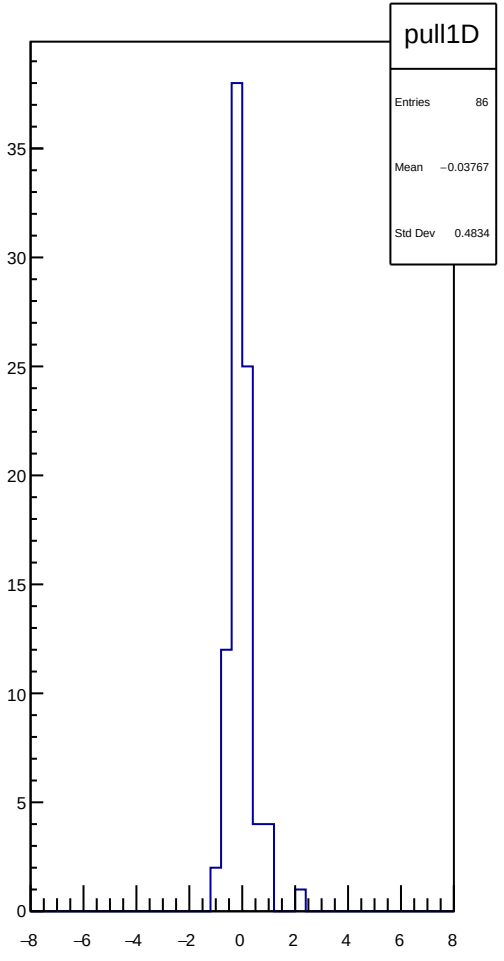

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 20.54 / 85
p0 263.3 ± 7.166
pull
Entries 86
Mean 73.49
Std Dev 0

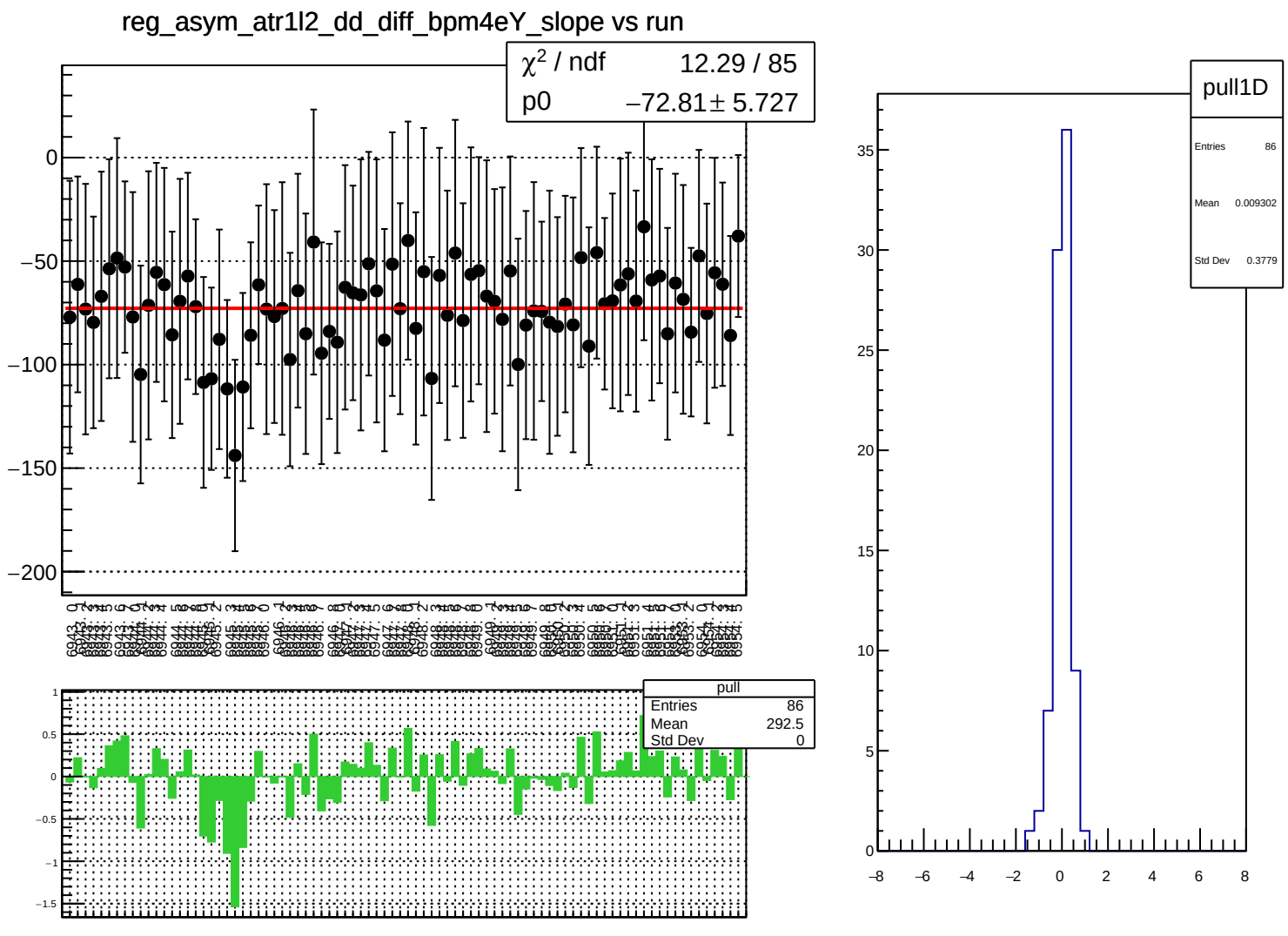

pull1D
Entries 86
Mean 0.03739
Std Dev 0.4873

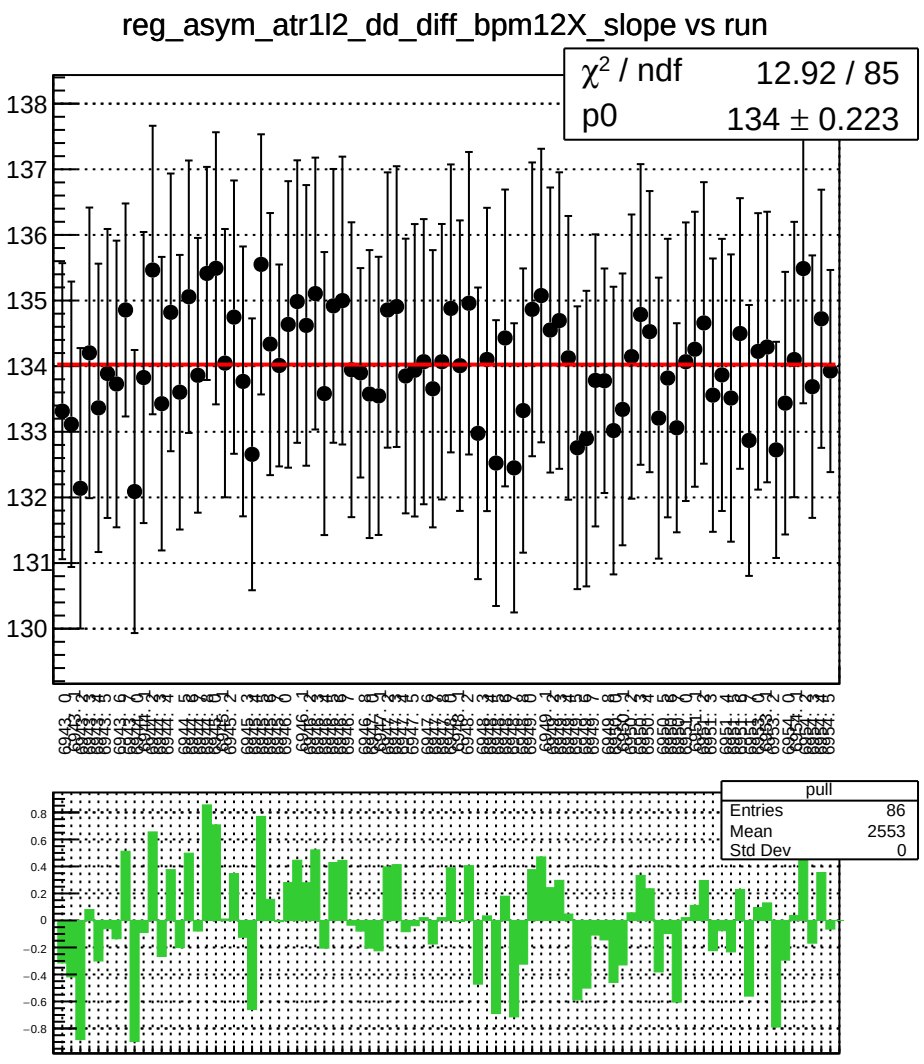

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.83 / 85
p0 −0.8673 ± 4.988
pull
Entries 86
Mean 319.1
Std Dev 0

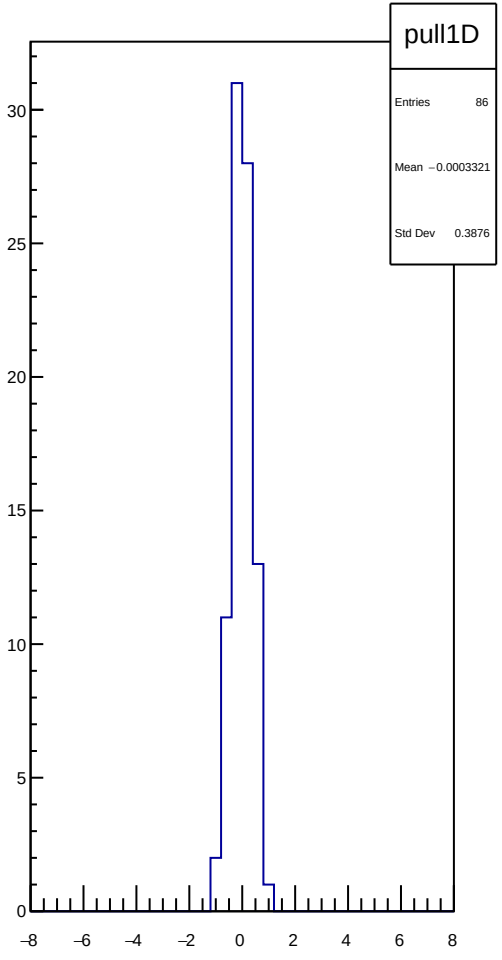

pull1D
Entries 86
Mean −0.007075
Std Dev 0.3548

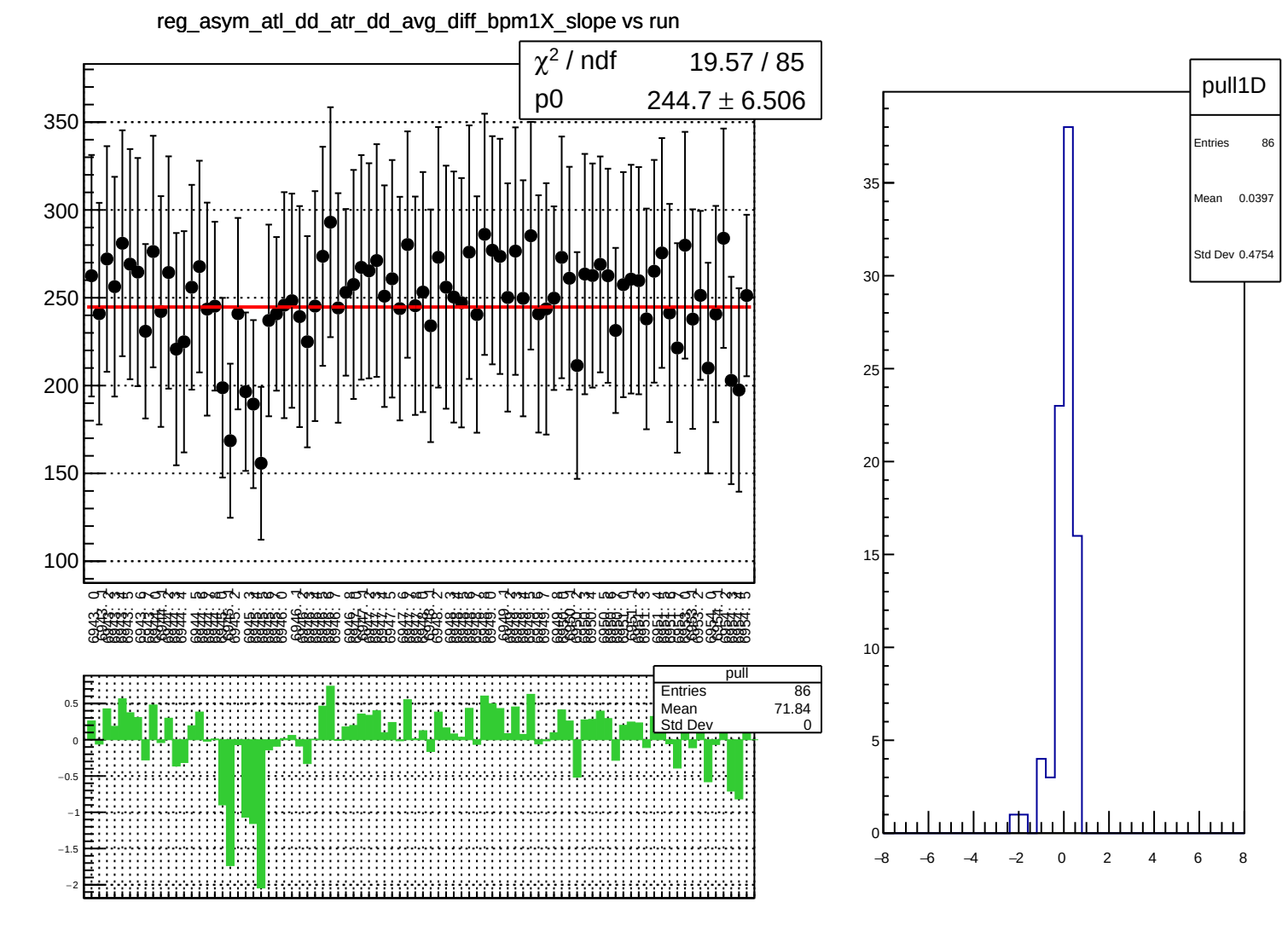

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.22 / 85
p0 −241.5 ± 6.672
−100
−150
−200
−250
−300
−350
−400
pull
Entries 86
Mean 78.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

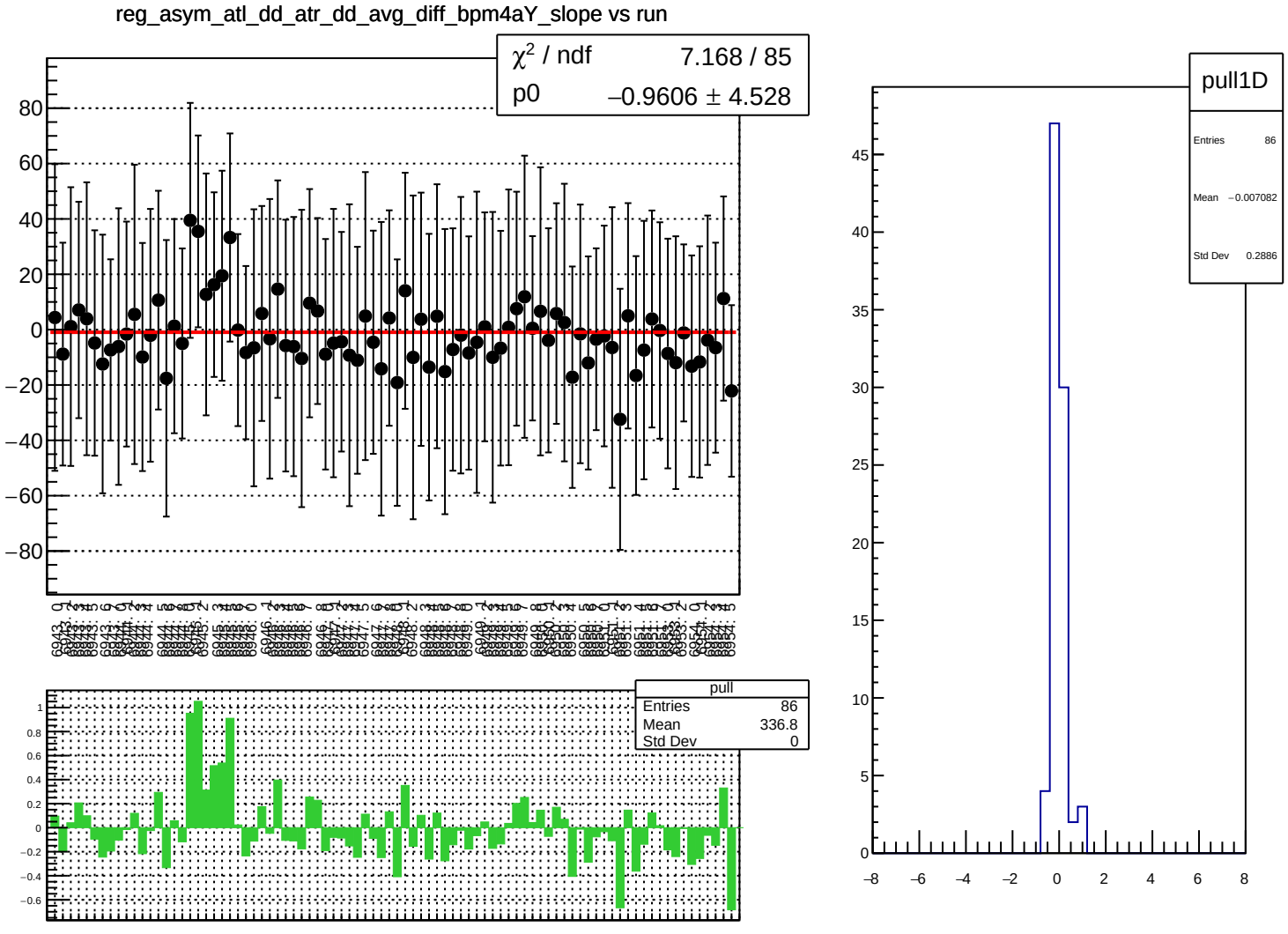

pull1D
Entries 86
Mean −0.03767
Std Dev 0.4834
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

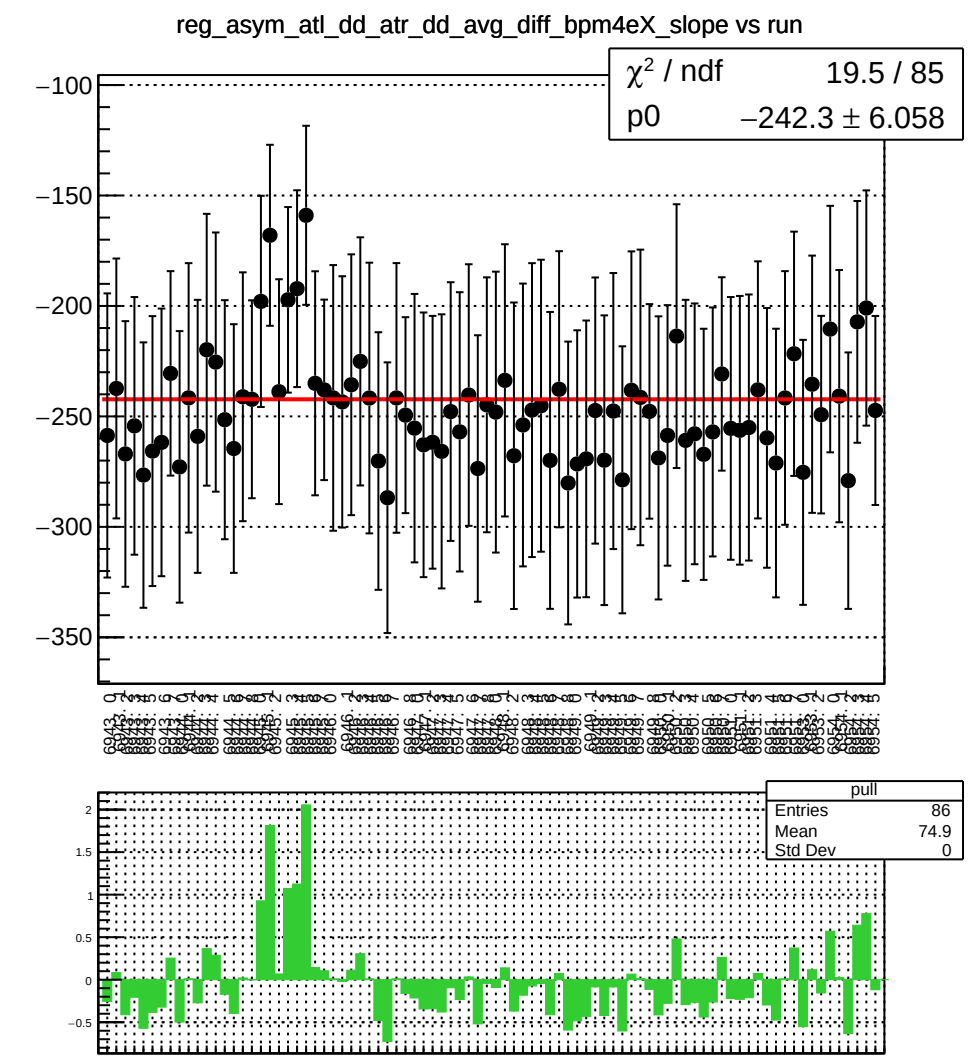

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.29 / 85
p0 −72.81 ± 5.727
0
−50
−100
−150
−200
pull
Entries 86
Mean 292.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean 0.009302
Std Dev 0.3779
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

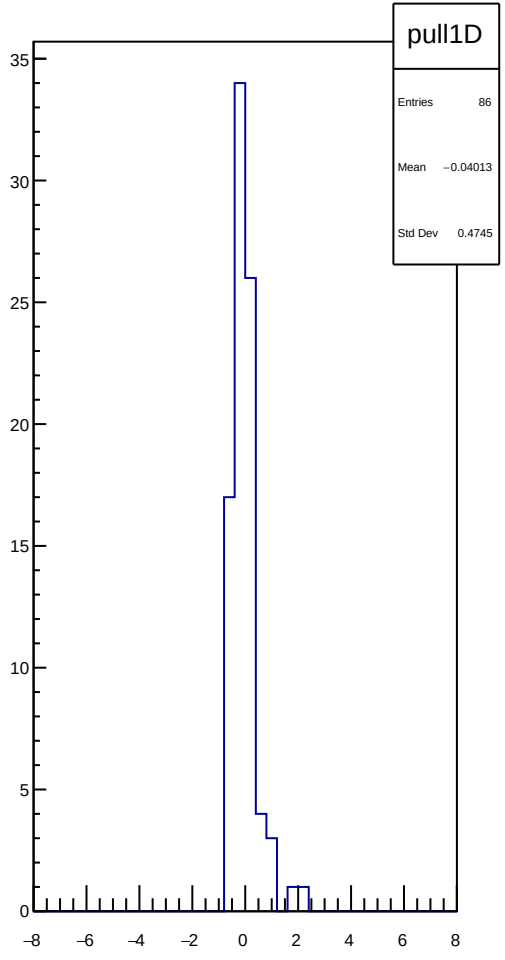

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.92 / 85
p0 134 ± 0.223
pull
Entries 86
Mean 2553
Std Dev 0

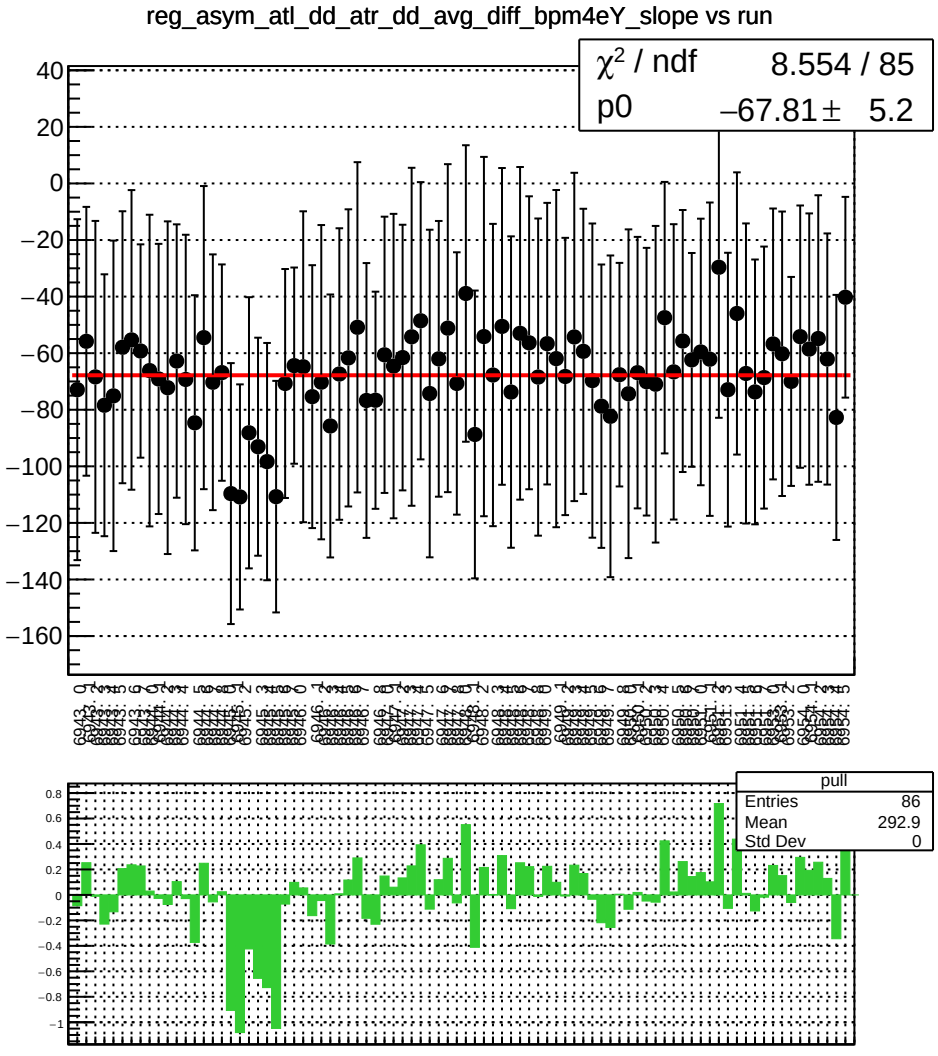

pull1D
Entries 86
Mean −0.0003321
Std Dev 0.3876

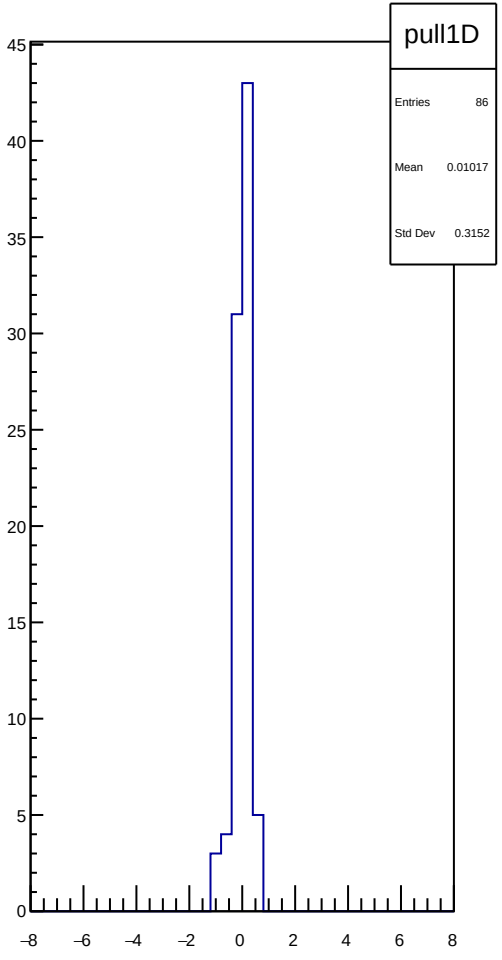

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 19.57 / 85
p0 244.7 ± 6.506
pull
Entries 86
Mean 71.84
Std Dev 0
pull1D
Entries 86
Mean 0.0397
Std Dev 0.4754

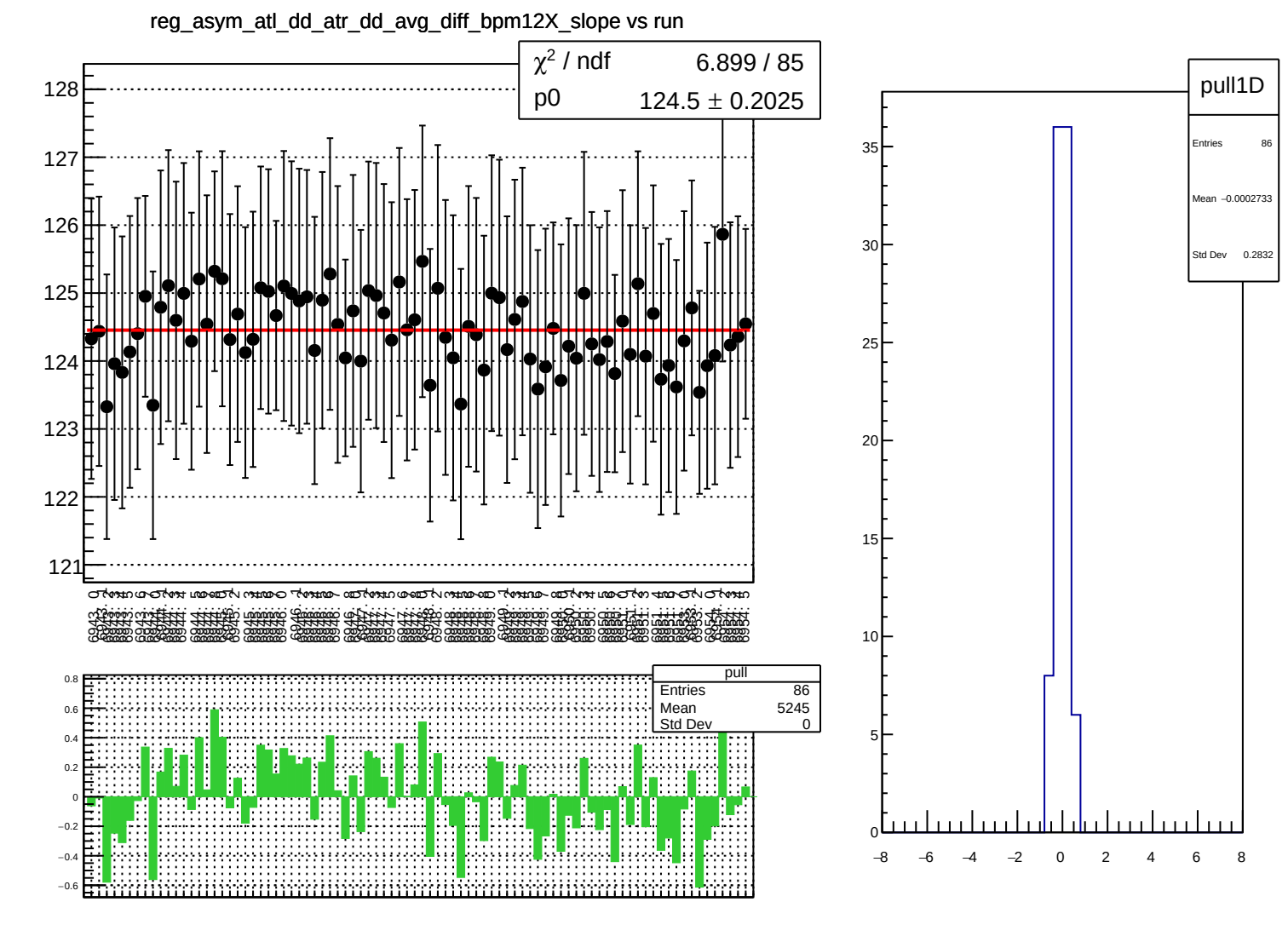

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.168 / 85
p0 −0.9606 ± 4.528
pull
Entries 86
Mean 336.8
Std Dev 0
pull1D
Entries 86
Mean −0.007082
Std Dev 0.2886

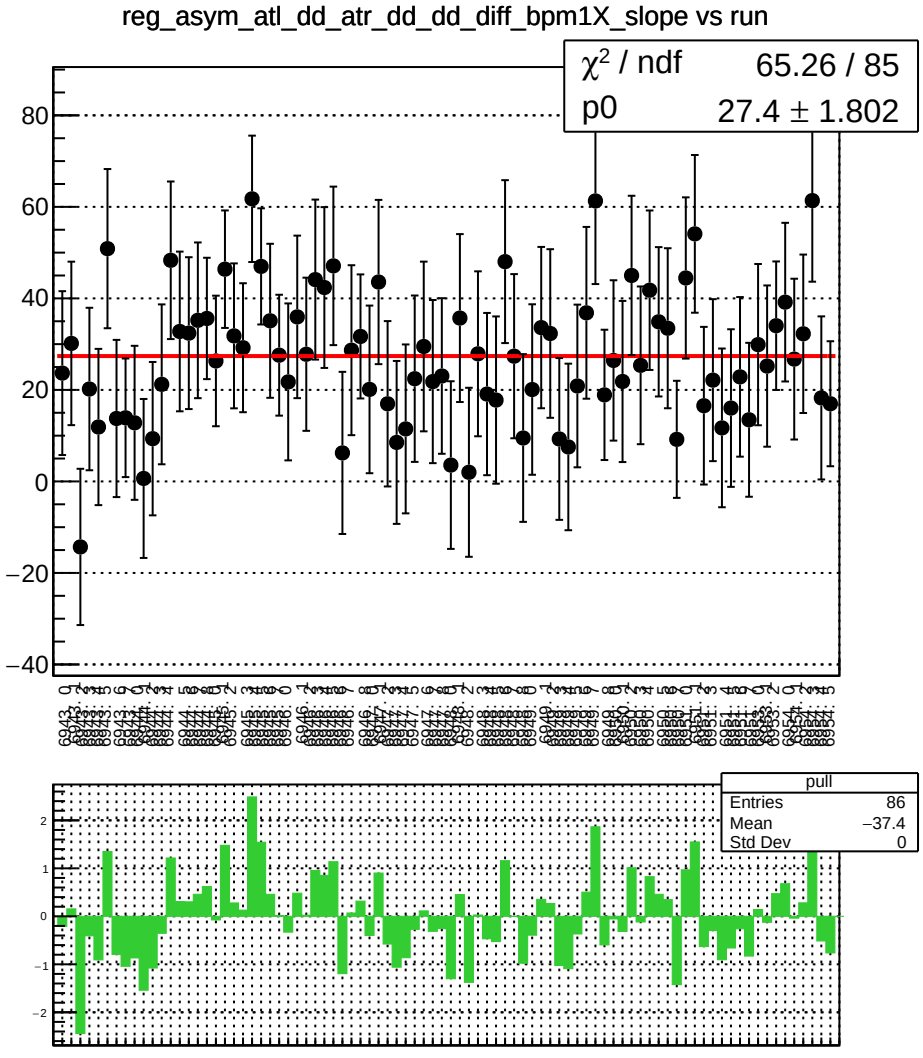

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.5 / 85
p0 −242.3 ± 6.058
−100
−150
−200
−250
−300
−350
pull
Entries 86
Mean 74.9
Std Dev 0
2
1.5
1
0.5
0
−0.5

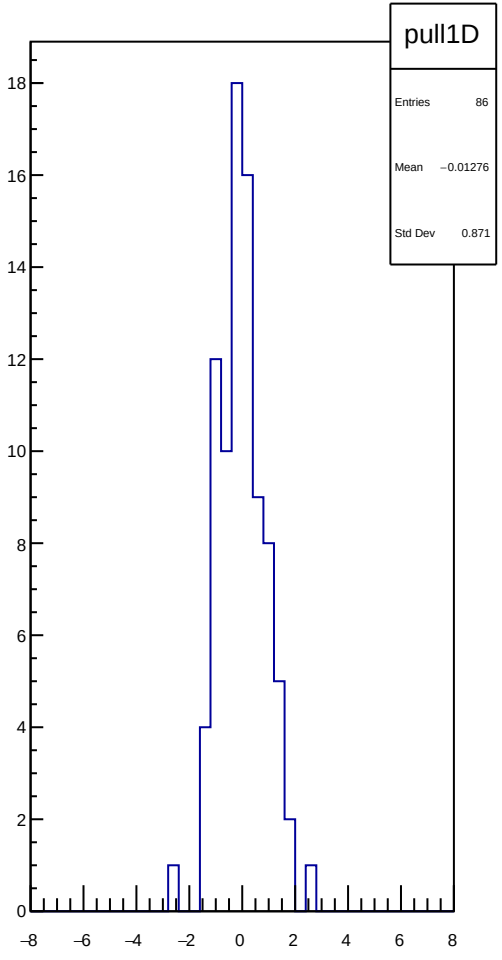

pull1D
Entries 86
Mean −0.04013
Std Dev 0.4745
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

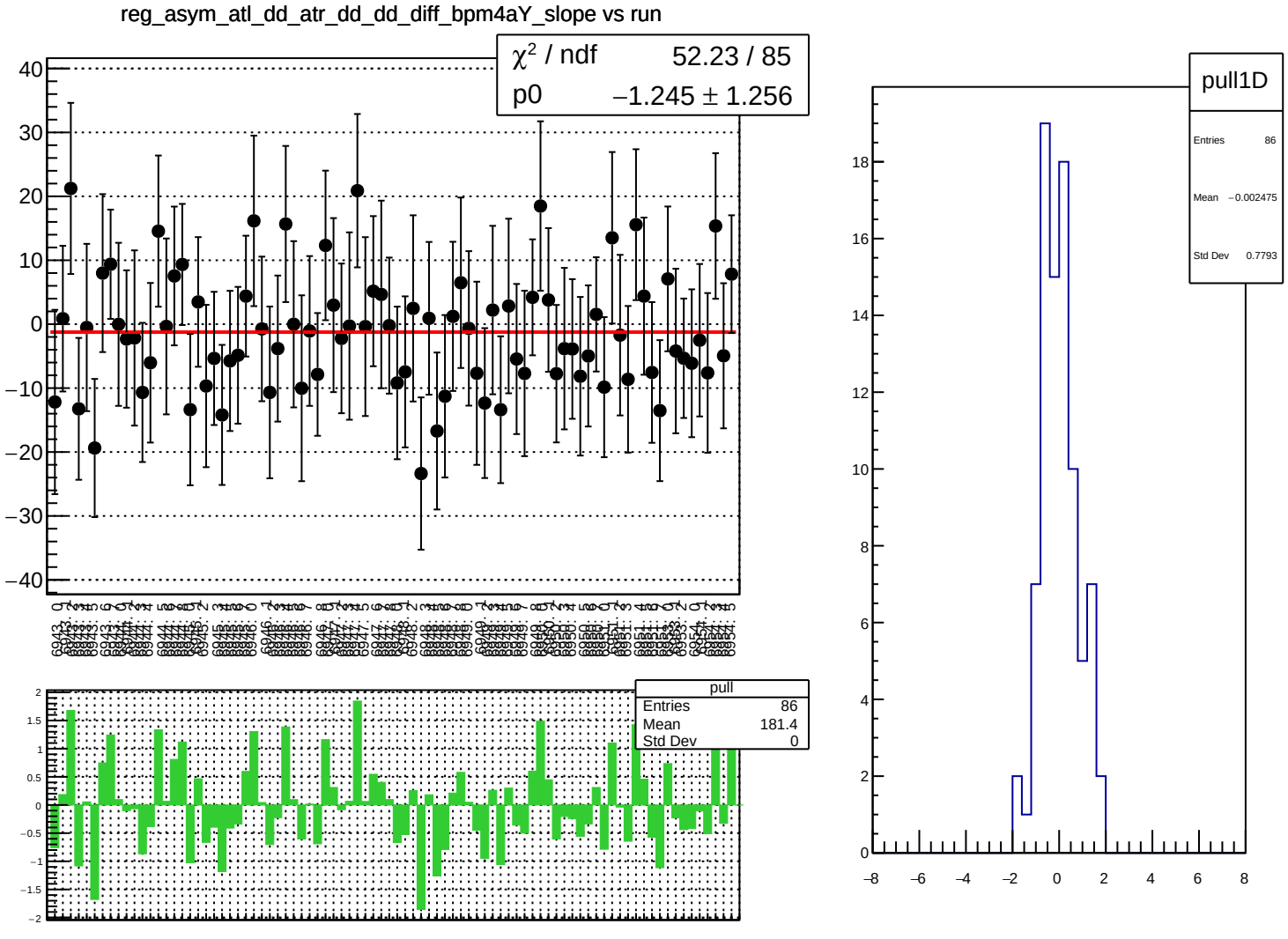

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.554 / 85
p0 −67.81 ± 5.2
pull
Entries 86
Mean 292.9
Std Dev 0

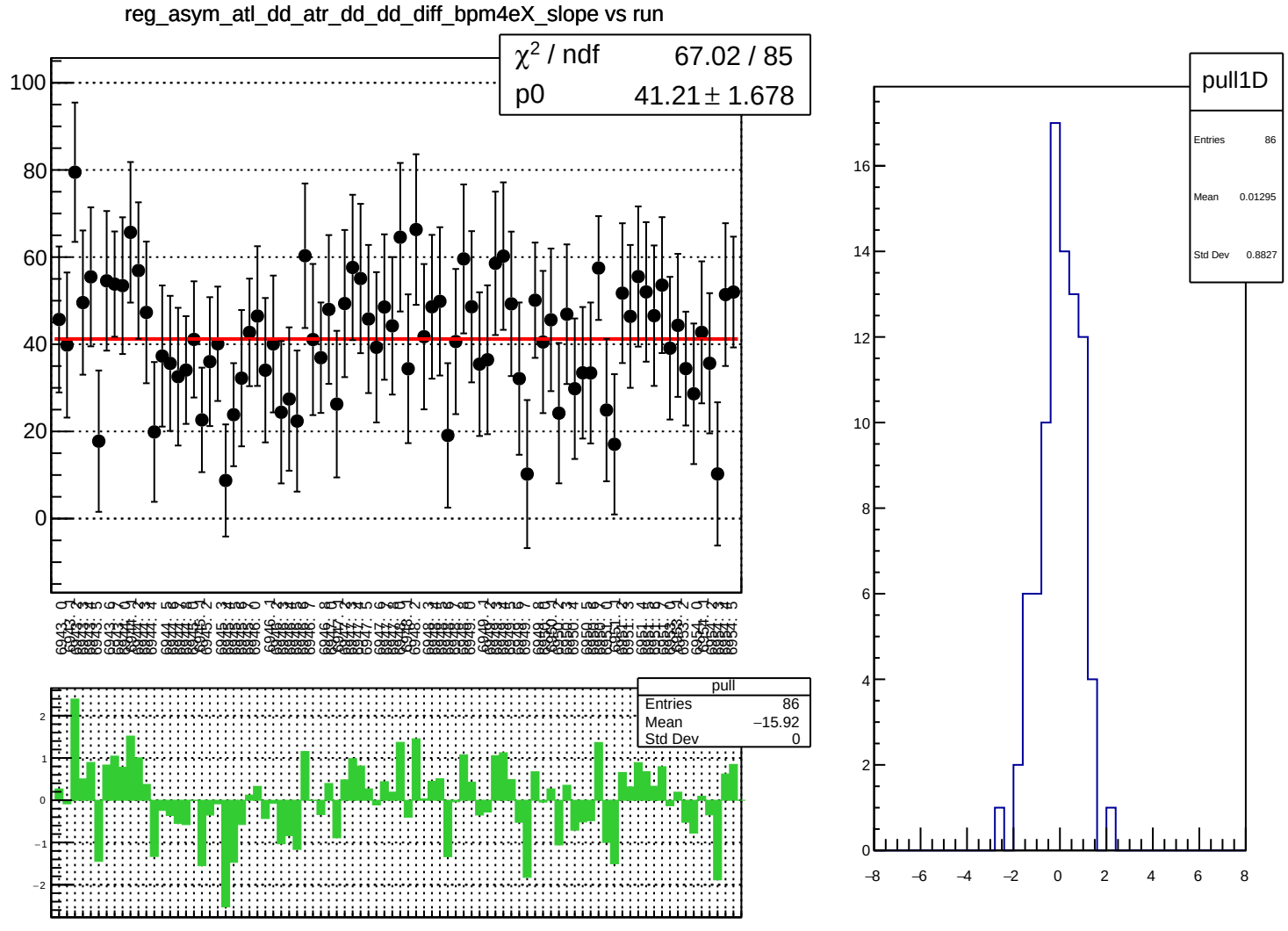

pull1D
Entries 86
Mean 0.01017
Std Dev 0.3152

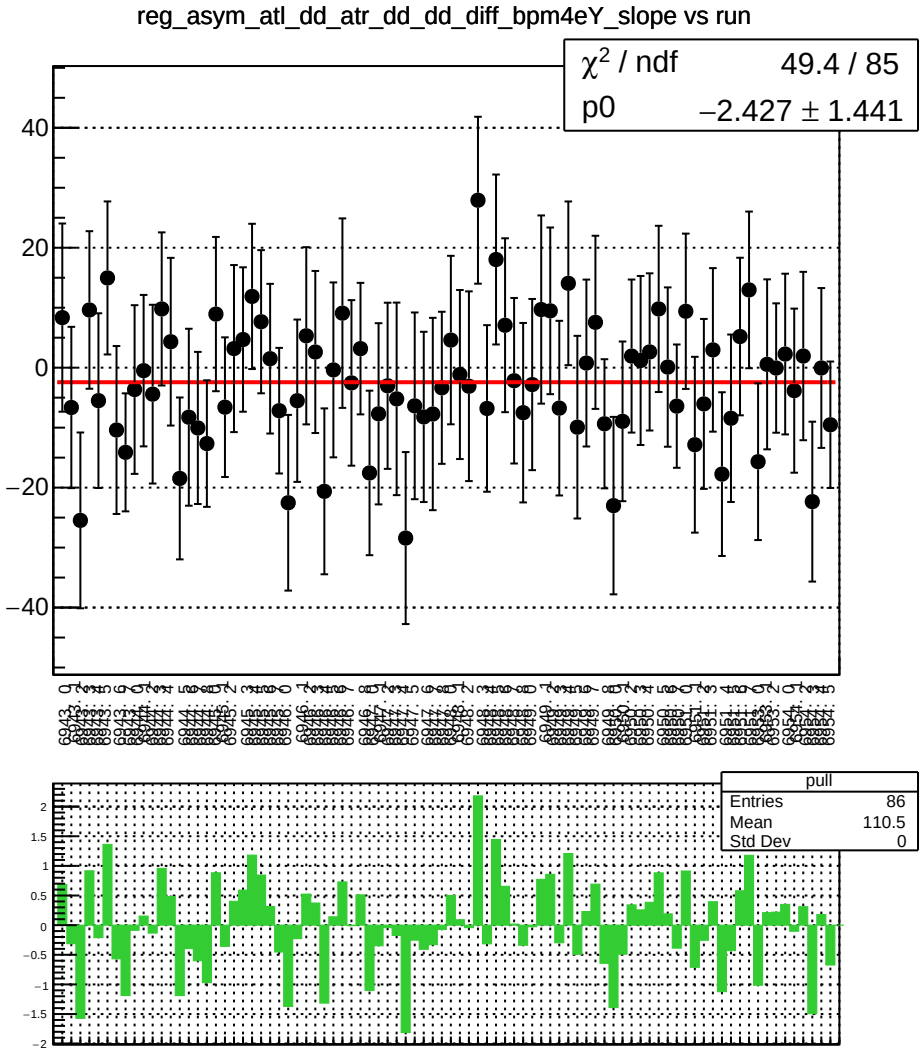

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.899 / 85
p0 124.5 ± 0.2025
128
127
126
125
124
123
122
121
pull
Entries 86
Mean 5245
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.0002733
Std Dev 0.2832
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

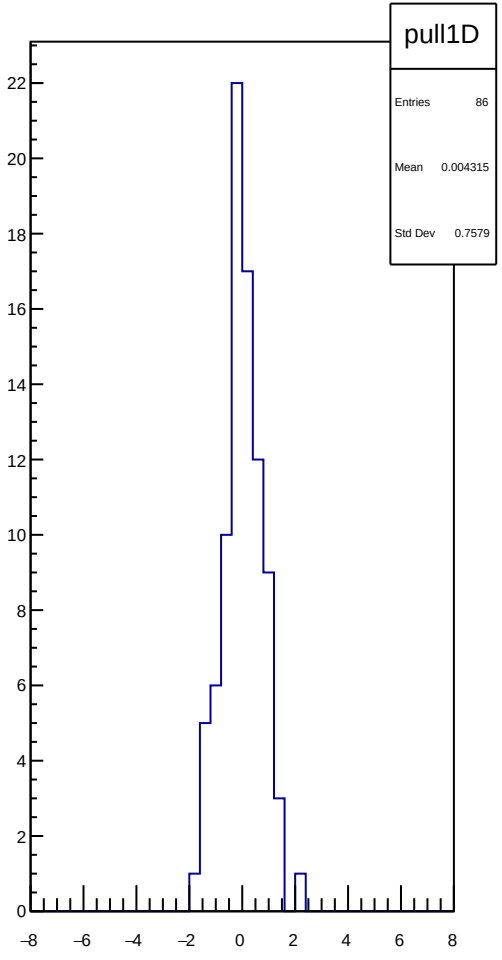

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 65.26 / 85
p0 27.4 ± 1.802
pull
Entries 86
Mean −37.4
Std Dev 0

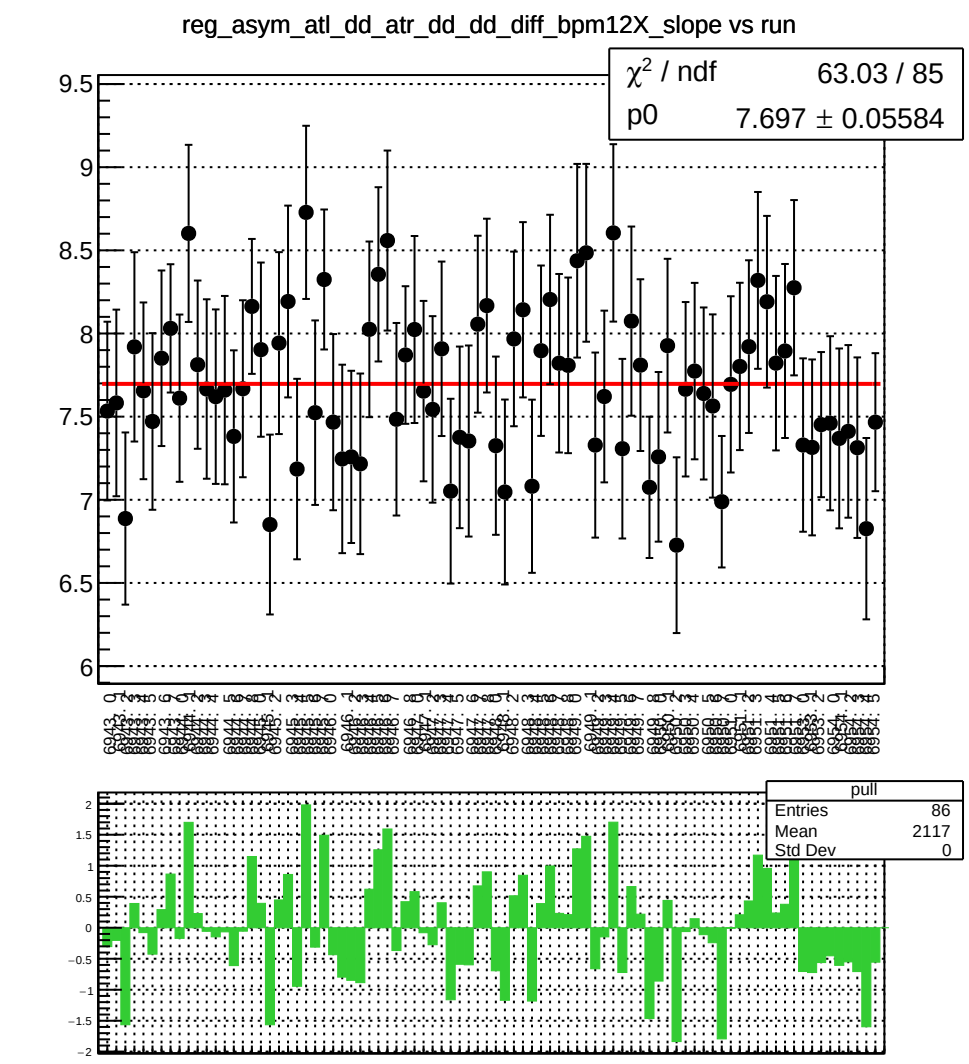

pull1D
Entries 86
Mean −0.01276
Std Dev 0.871

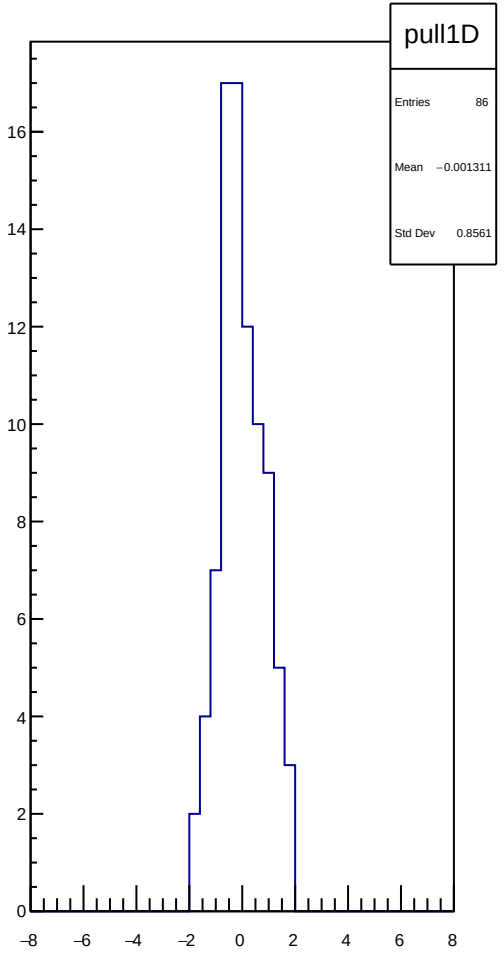

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.23 / 85
p0 −1.245 ± 1.256
pull
Entries 86
Mean 181.4
Std Dev 0
pull1D
Entries 86
Mean −0.002475
Std Dev 0.7793

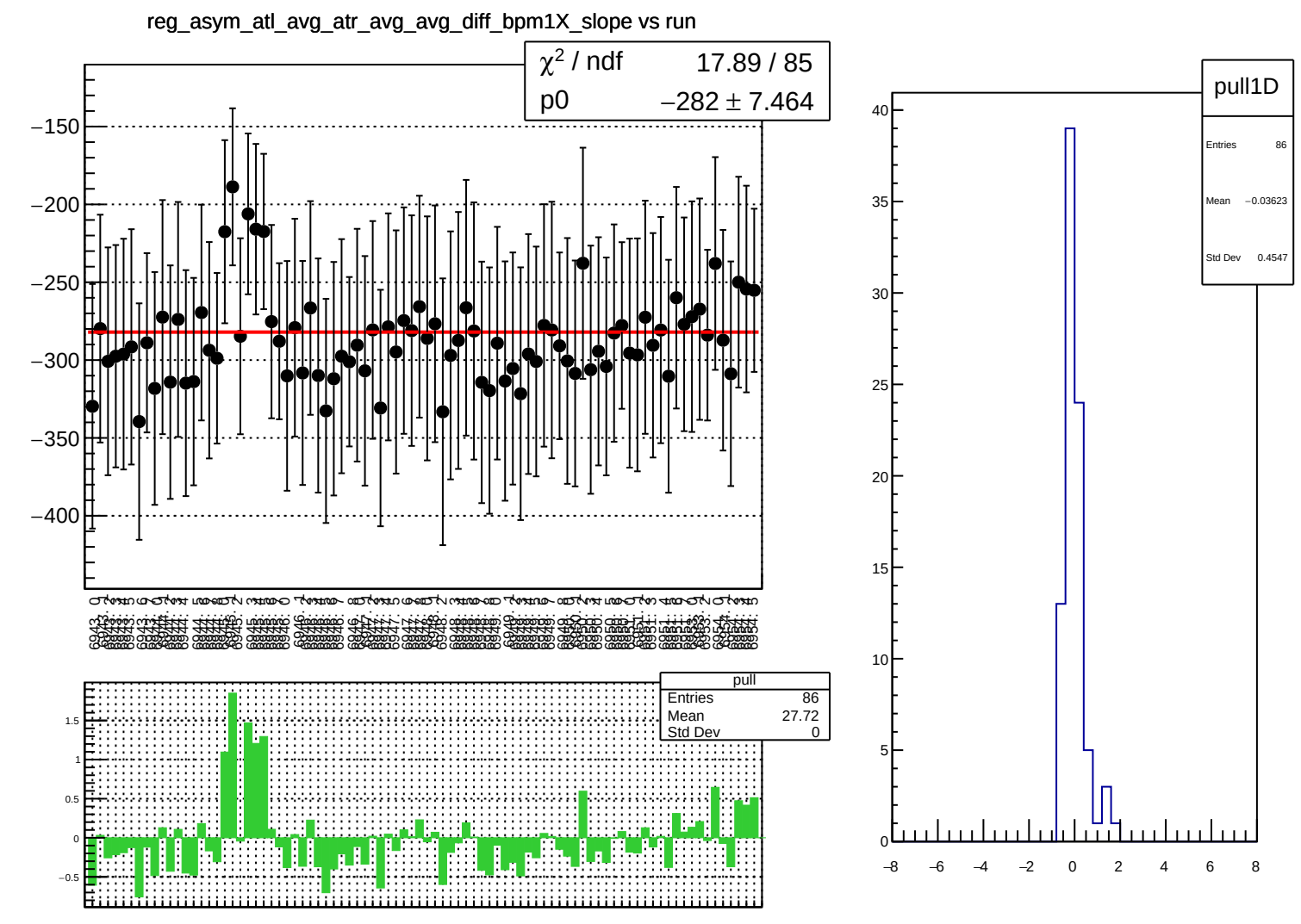

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.02 / 85
p0 41.21 ± 1.678
pull
Entries 86
Mean −15.92
Std Dev 0
pull1D
Entries 86
Mean 0.01295
Std Dev 0.8827

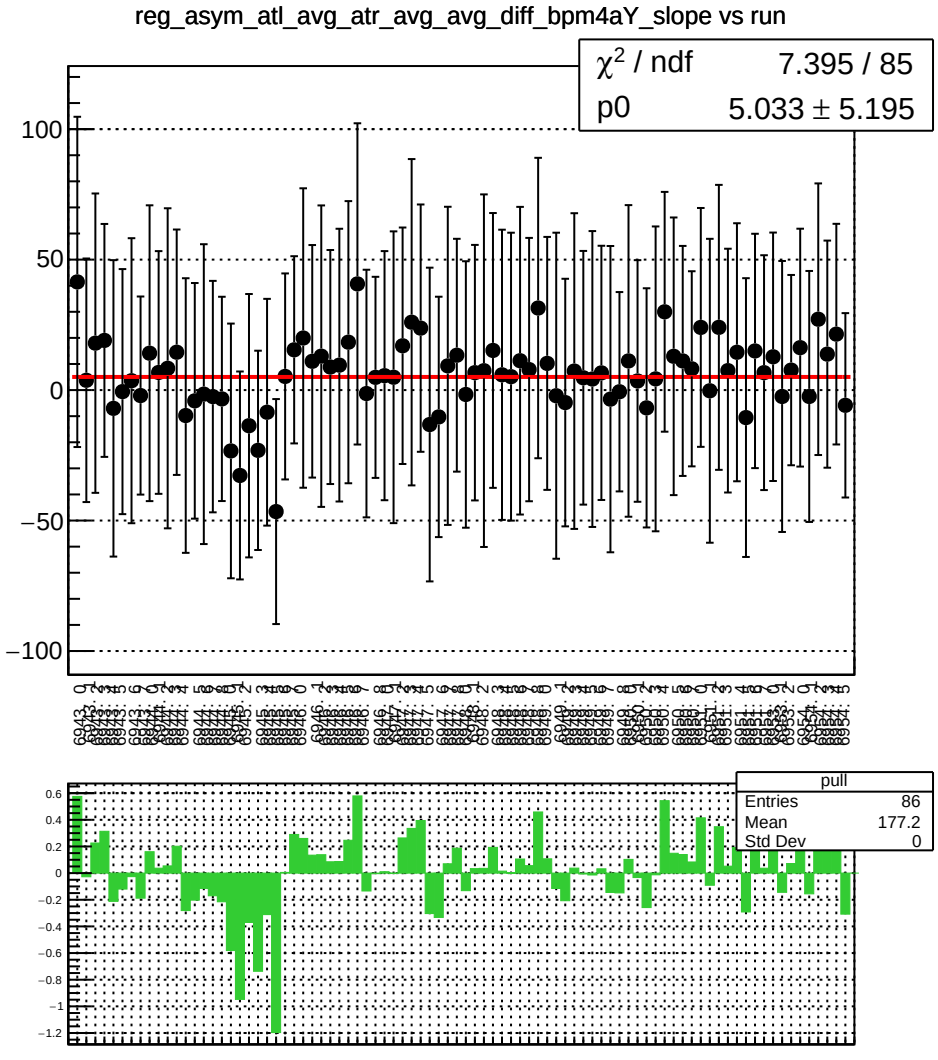

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.4 / 85
p0 −2.427 ± 1.441
pull
Entries 86
Mean 110.5
Std Dev 0

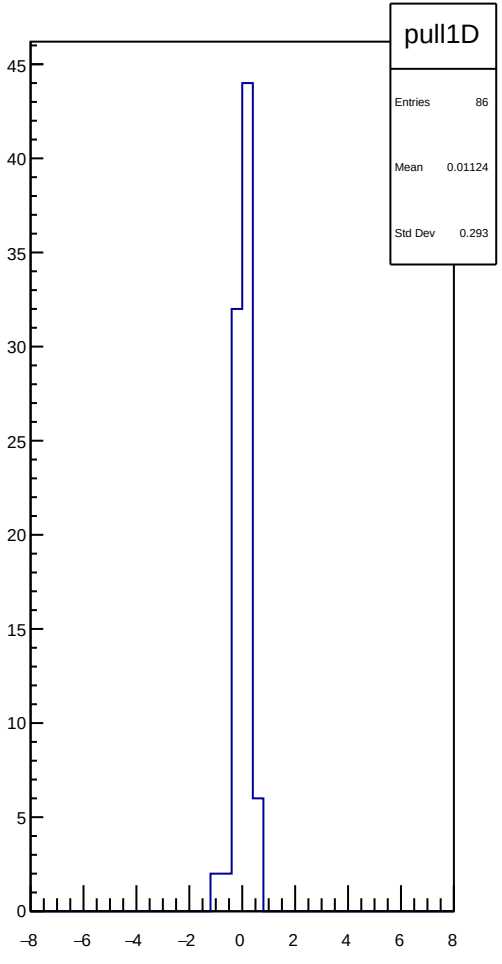

pull1D
Entries 86
Mean 0.004315
Std Dev 0.7579

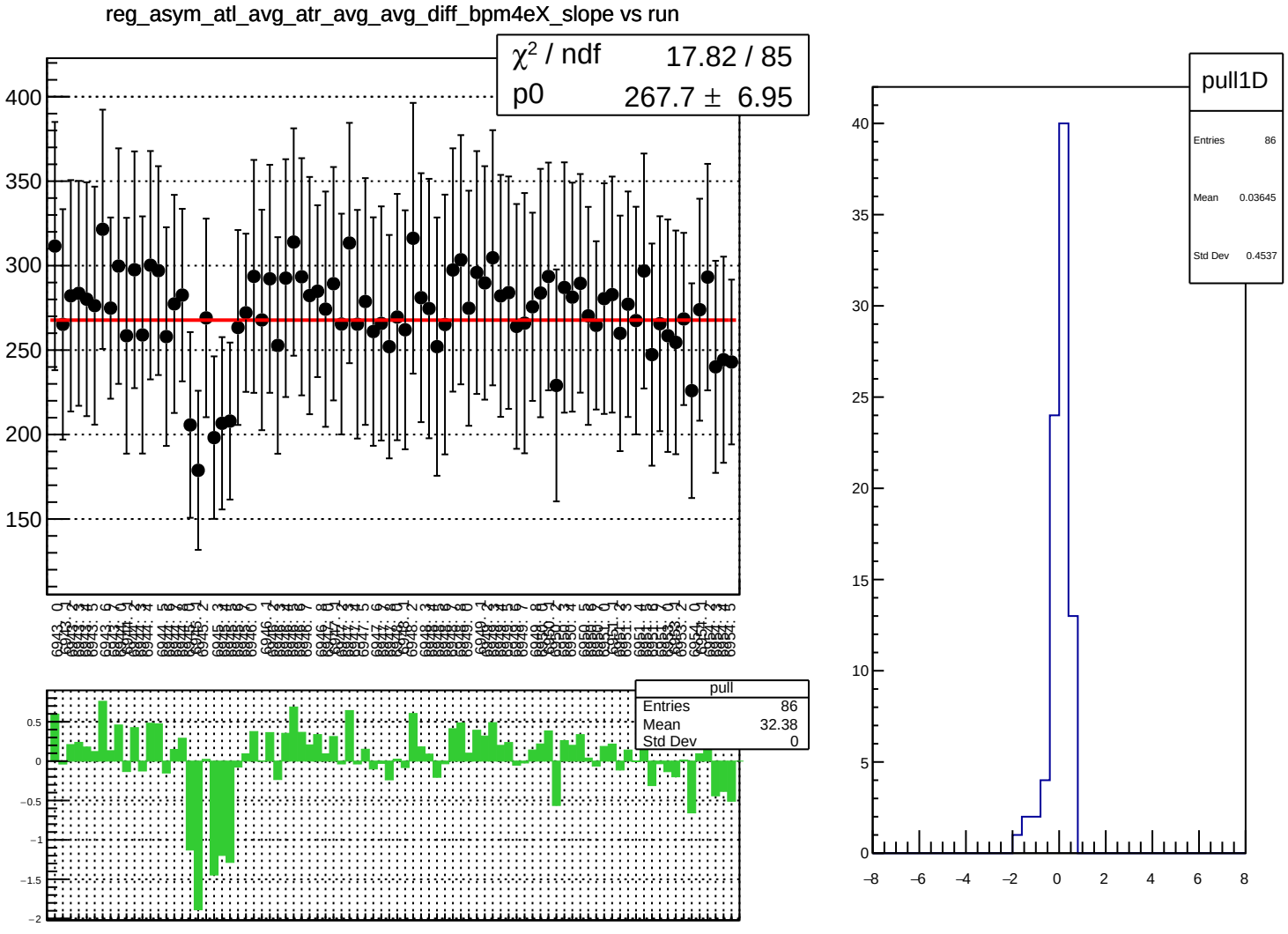

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 63.03 / 85
p0 7.697 ± 0.05584
pull
Entries 86
Mean 2117
Std Dev 0

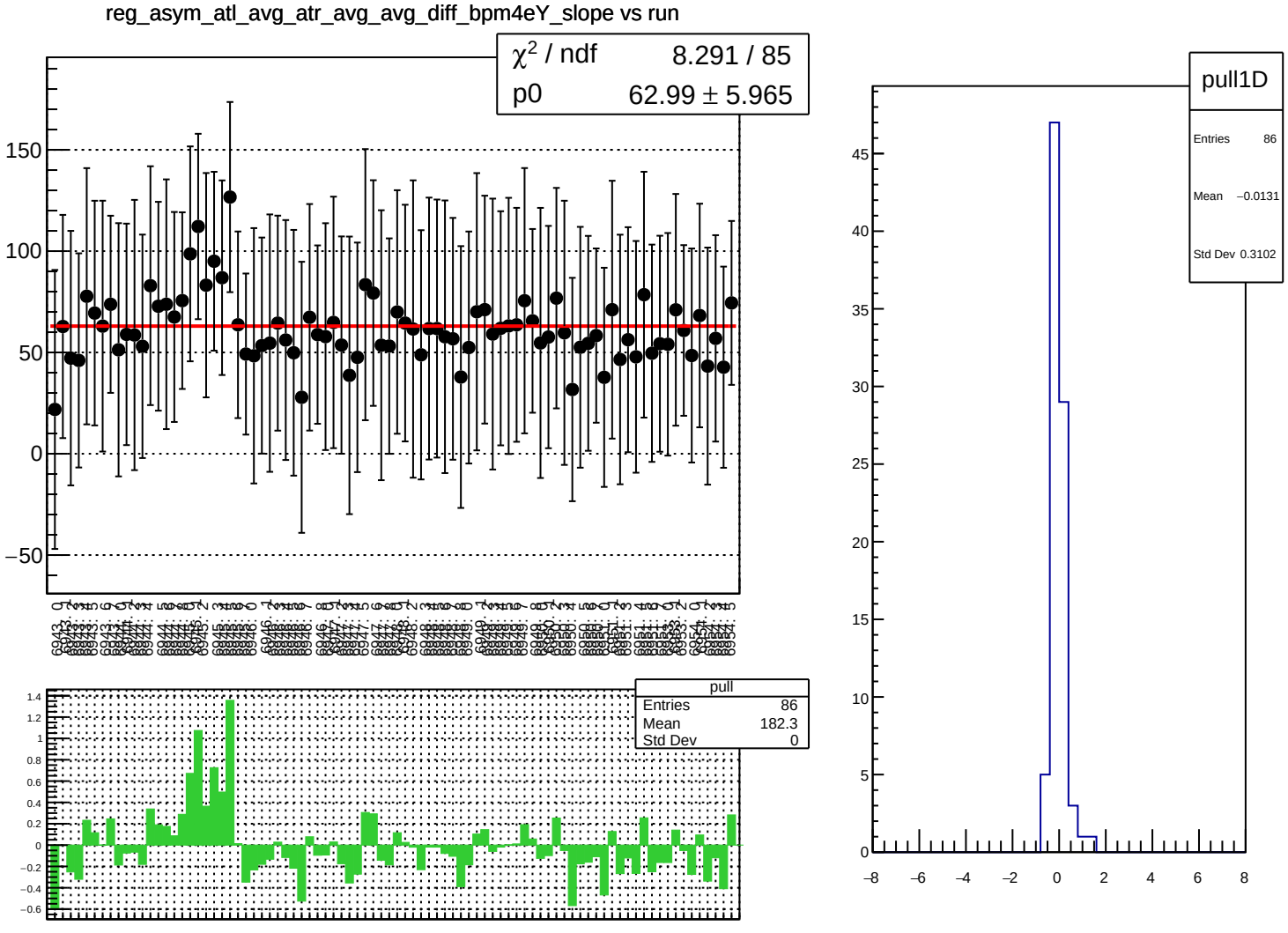

pull1D
Entries 86
Mean −0.001311
Std Dev 0.8561

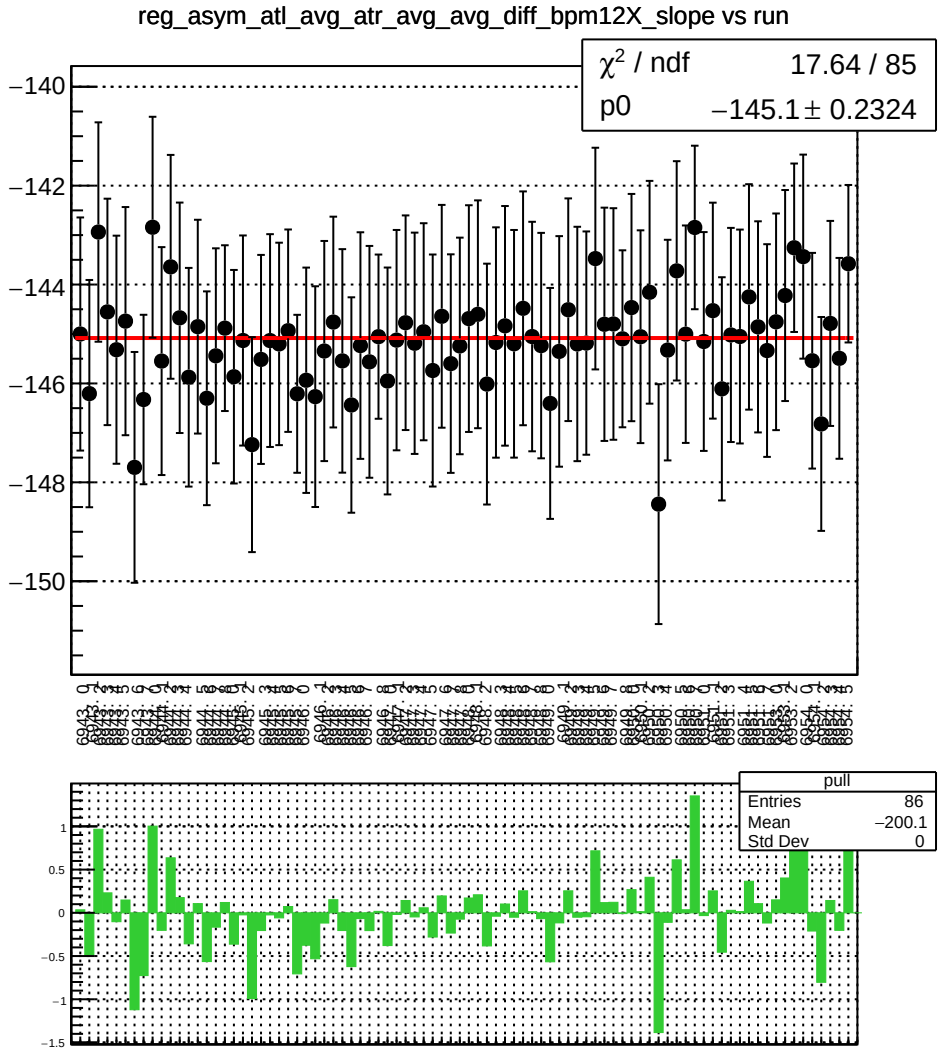

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 17.89 / 85
p0 −282 ± 7.464
−150
−200
−250
−300
−350
−400
pull
Entries 86
Mean 27.72
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.03623
Std Dev 0.4547
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

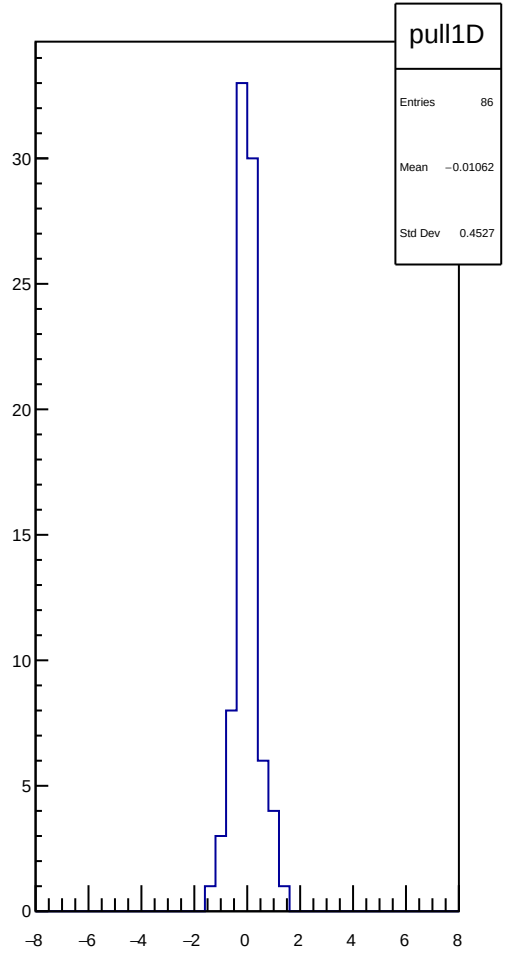

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.395 / 85
p0 5.033 ± 5.195
pull
Entries 86
Mean 177.2
Std Dev 0

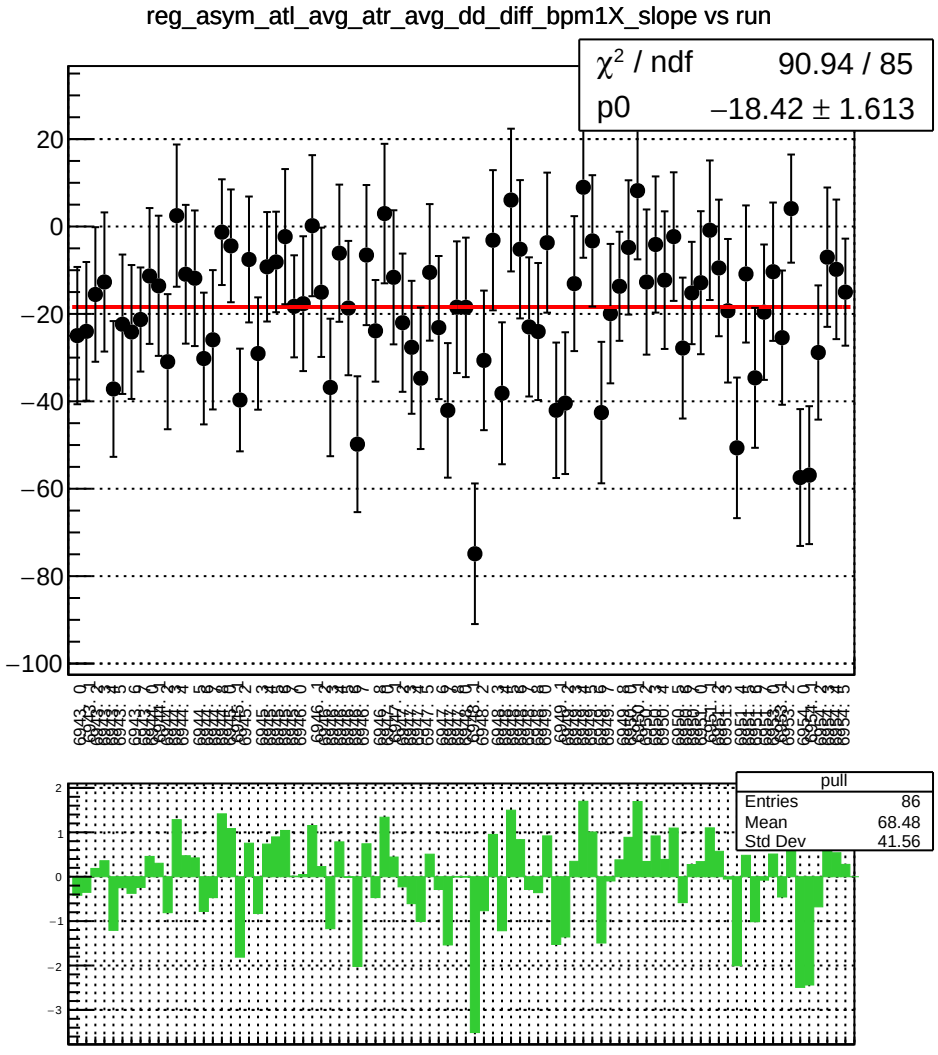

pull1D
Entries 86
Mean 0.01124
Std Dev 0.293

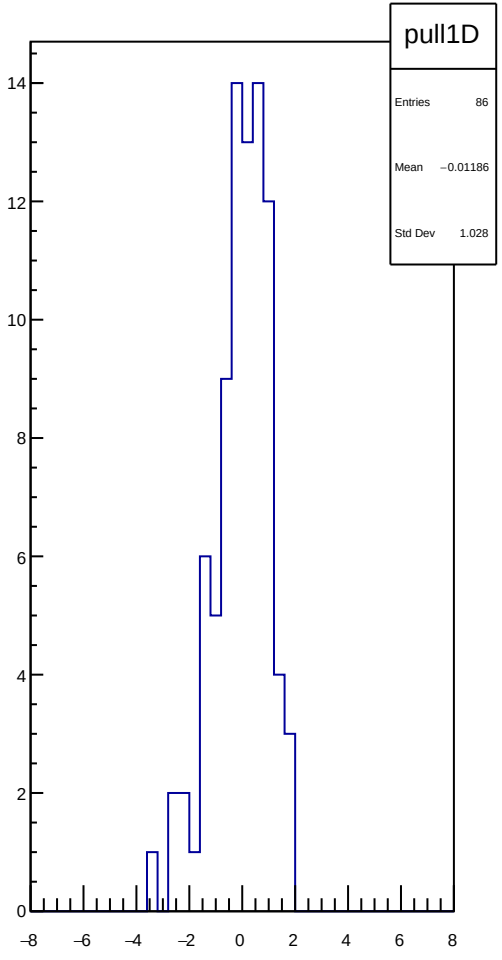

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.82 / 85
p0 267.7 ± 6.95
400
350
300
250
200
150
pull
Entries 86
Mean 32.38
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.03645
Std Dev 0.4537
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

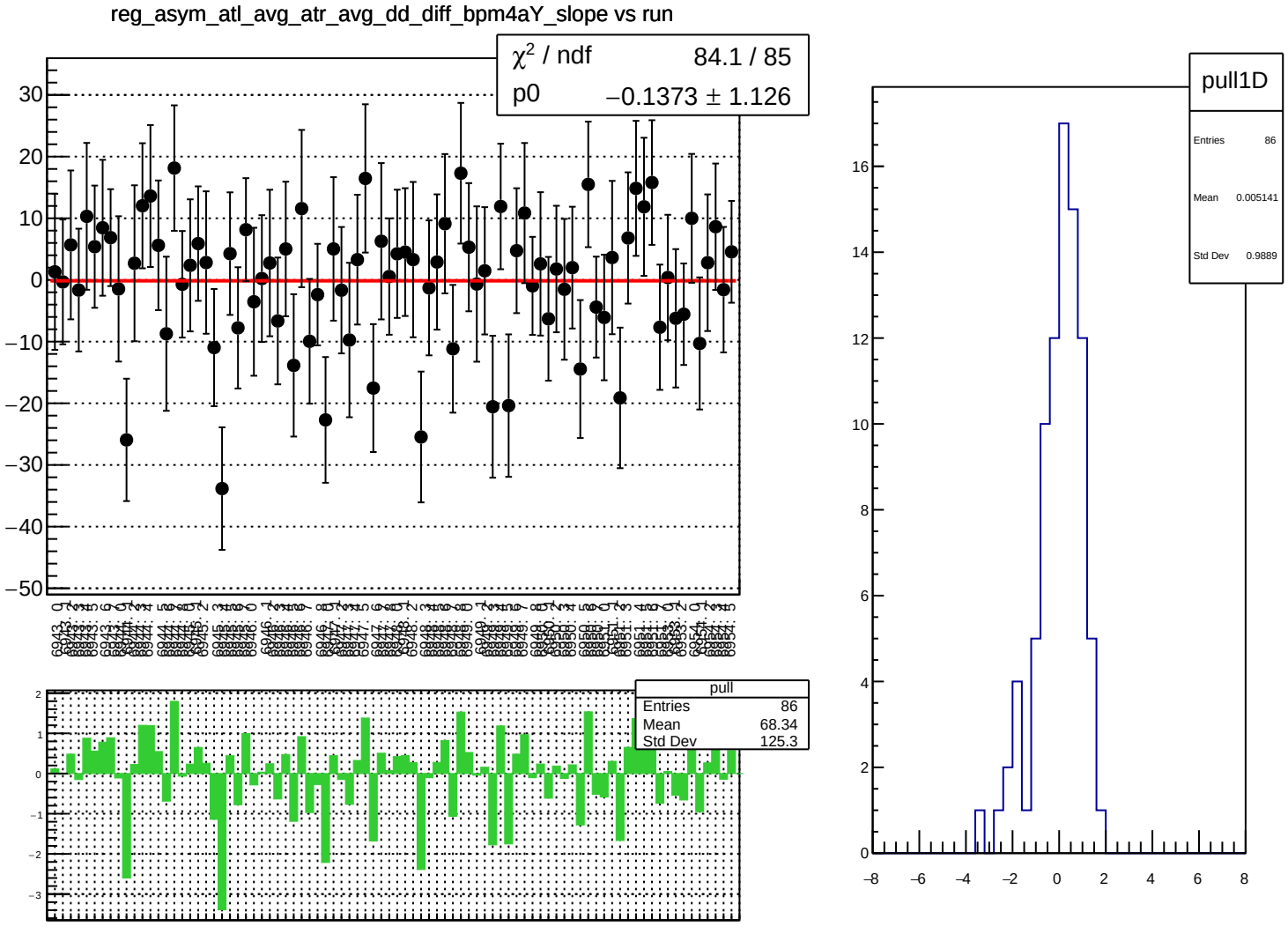

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.291 / 85
p0 62.99 ± 5.965
150
100
50
0
−50
pull
Entries 86
Mean 182.3
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.0131
Std Dev 0.3102
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

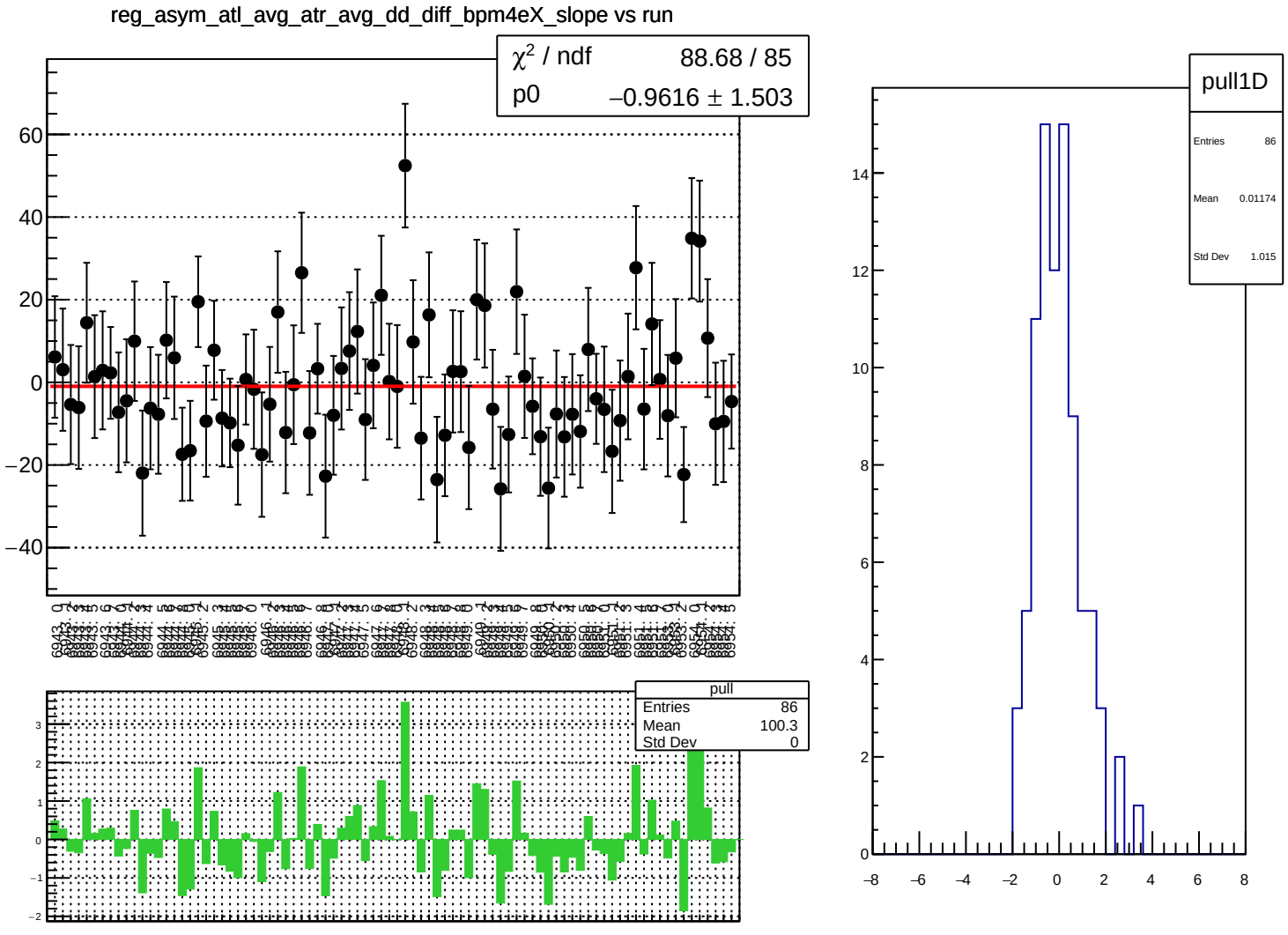

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 17.64 / 85
p0 −145.1 ± 0.2324
−140
−142
−144
−146
−148
−150
pull
Entries 86
Mean −200.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

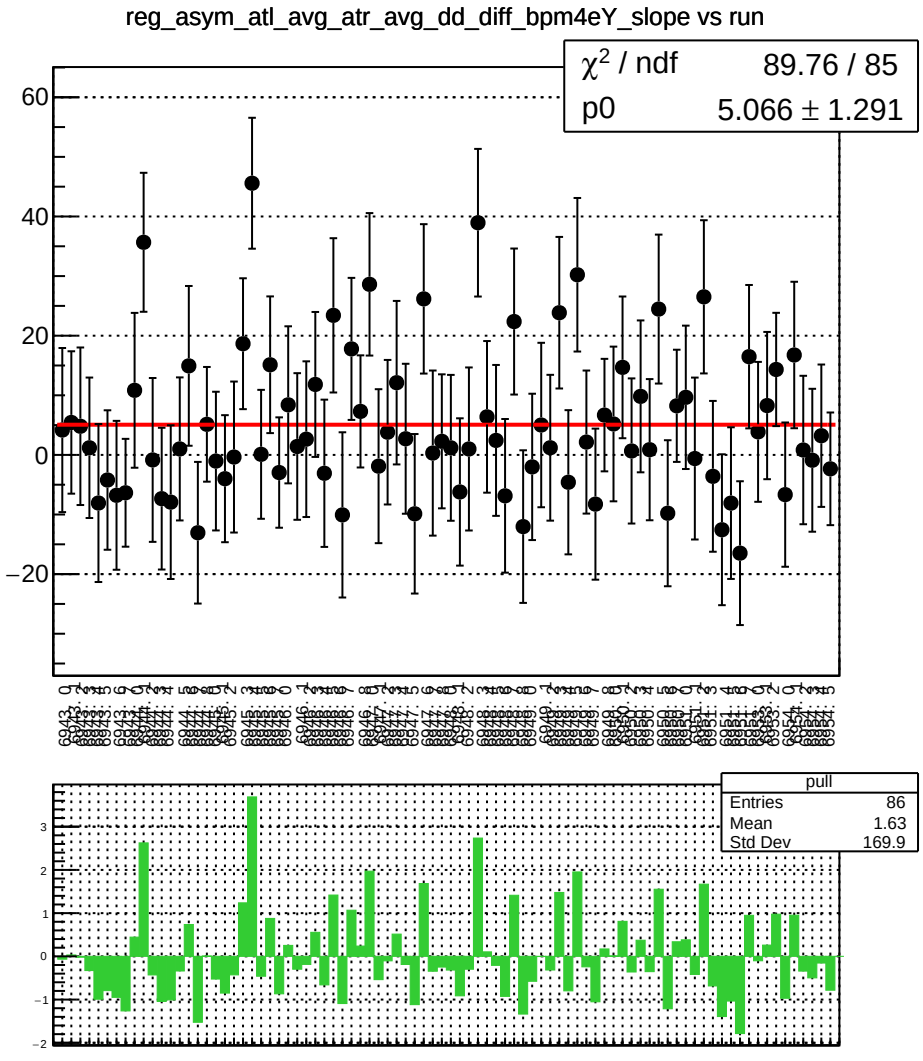

pull1D
Entries 86
Mean −0.01062
Std Dev 0.4527
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

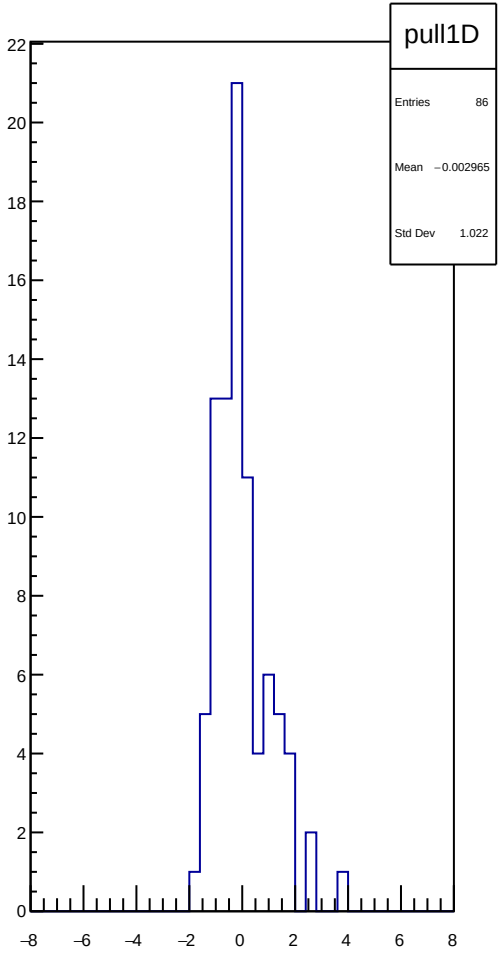

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 90.94 / 85
p0 −18.42 ± 1.613
pull
Entries 86
Mean 68.48
Std Dev 41.56

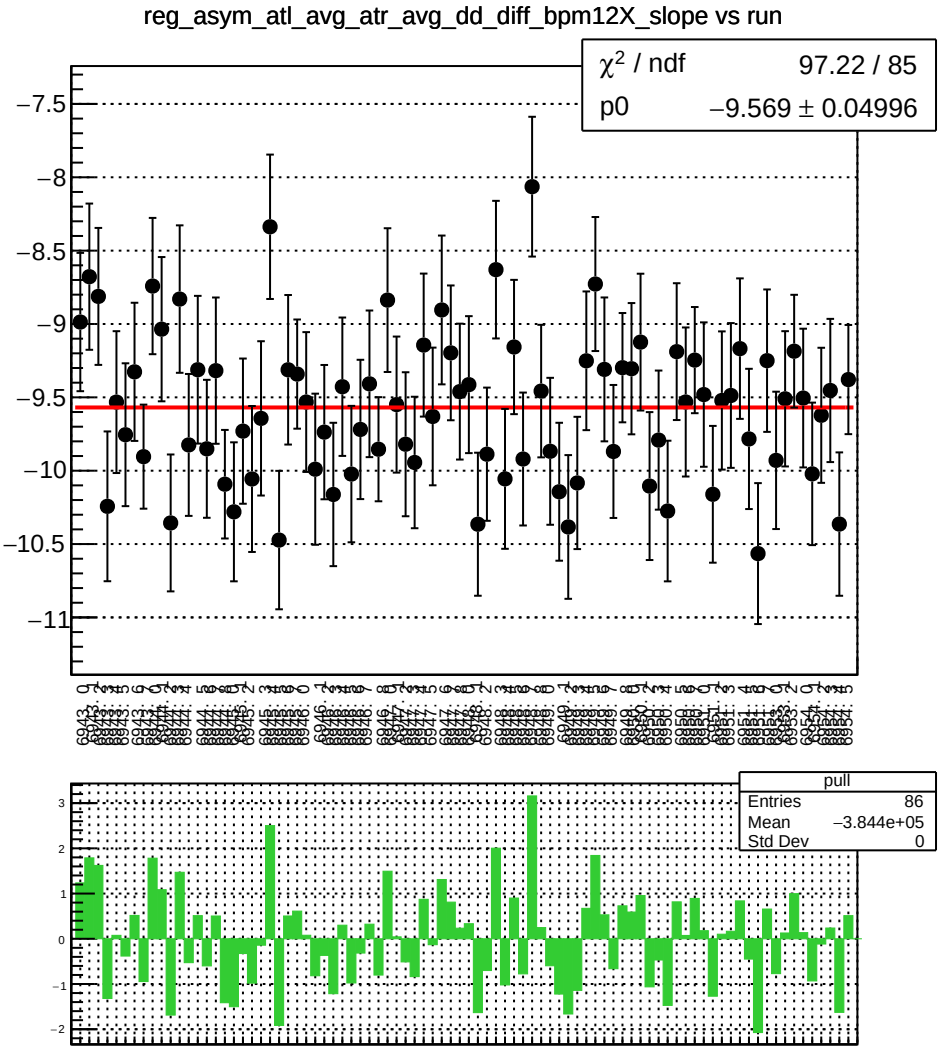

pull1D
Entries 86
Mean −0.01186
Std Dev 1.028

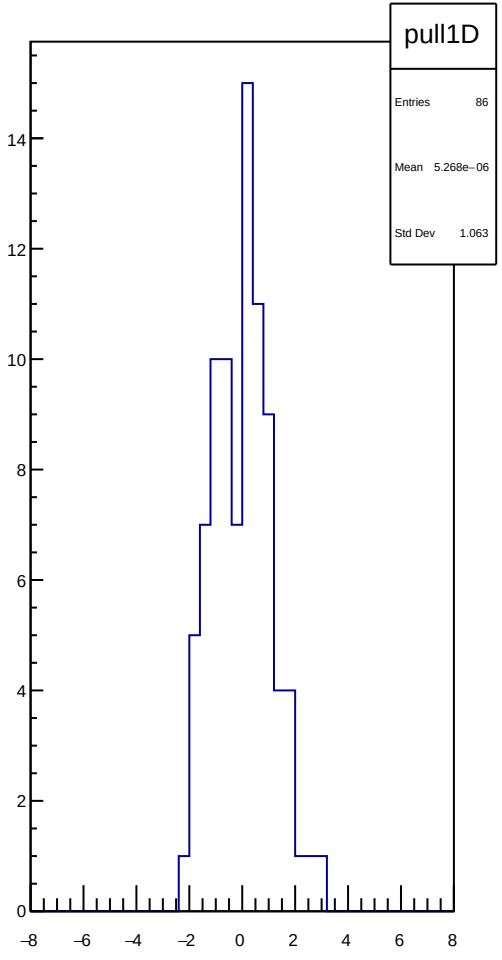

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.1 / 85
p0 −0.1373 ± 1.126
pull
Entries 86
Mean 68.34
Std Dev 125.3
pull1D
Entries 86
Mean 0.005141
Std Dev 0.9889

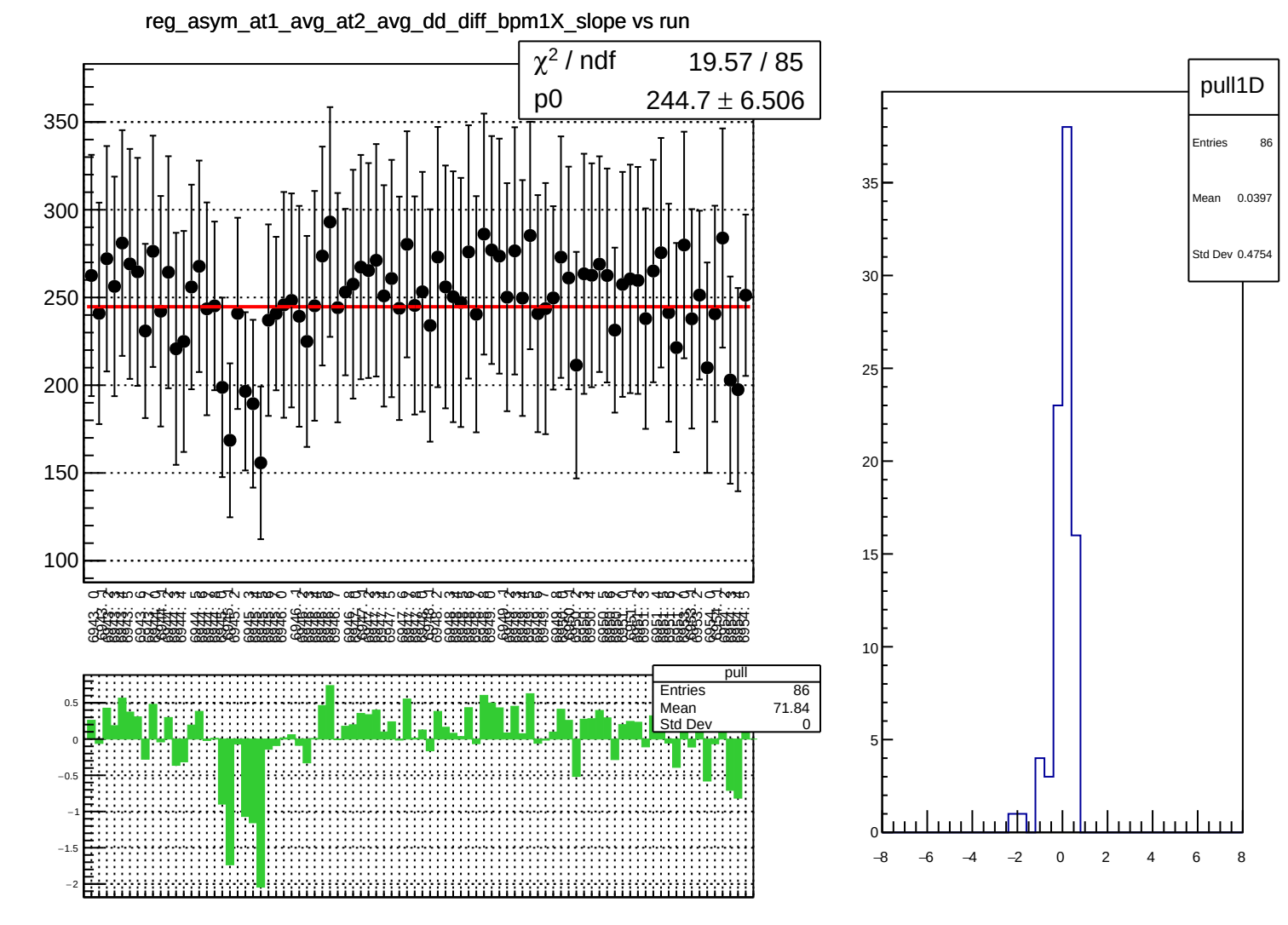

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.68 / 85
p0 −0.9616 ± 1.503
pull
Entries 86
Mean 100.3
Std Dev 0
pull1D
Entries 86
Mean 0.01174
Std Dev 1.015

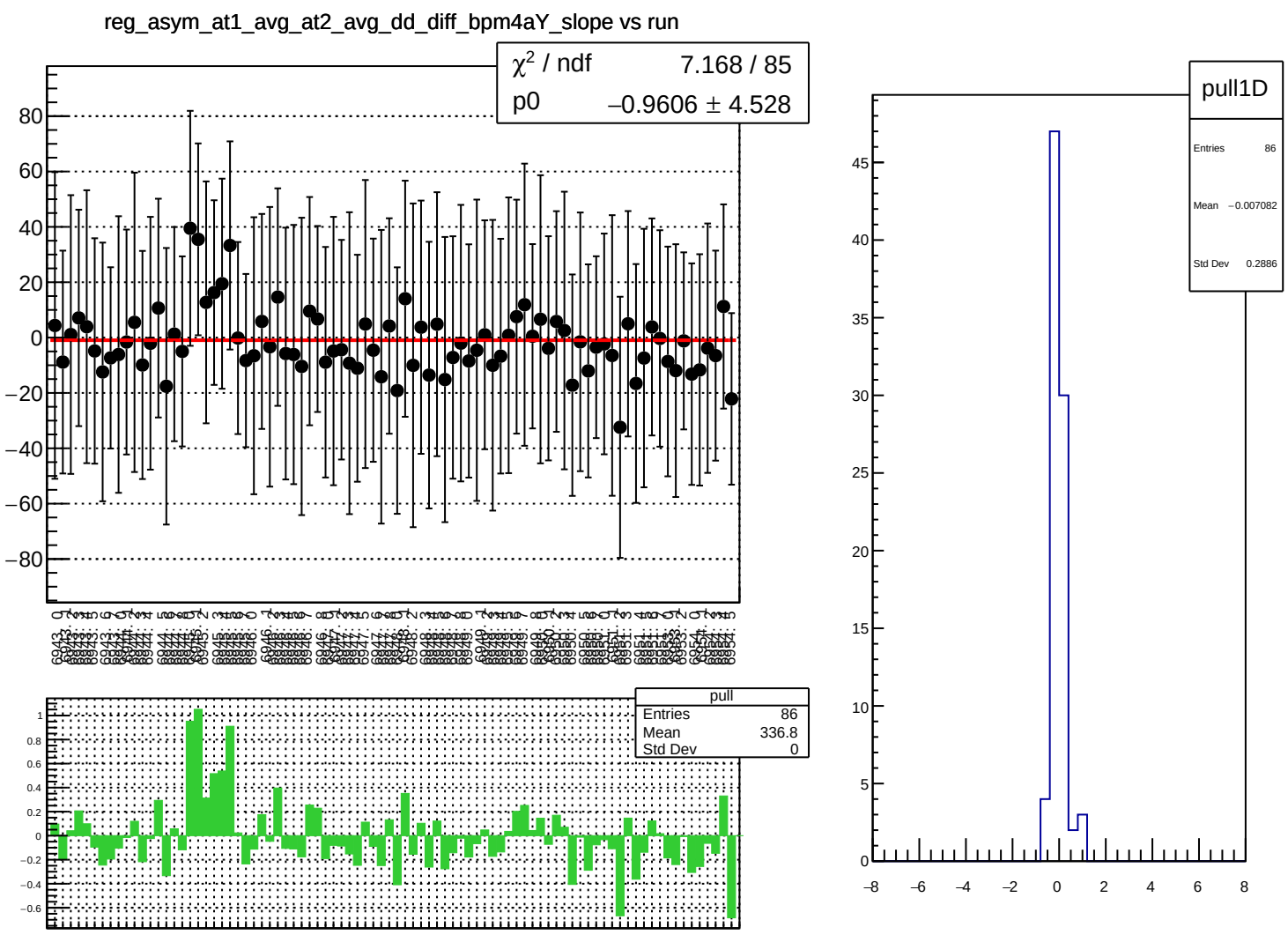

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.76 / 85
p0 5.066 ± 1.291
pull
Entries 86
Mean 1.63
Std Dev 169.9

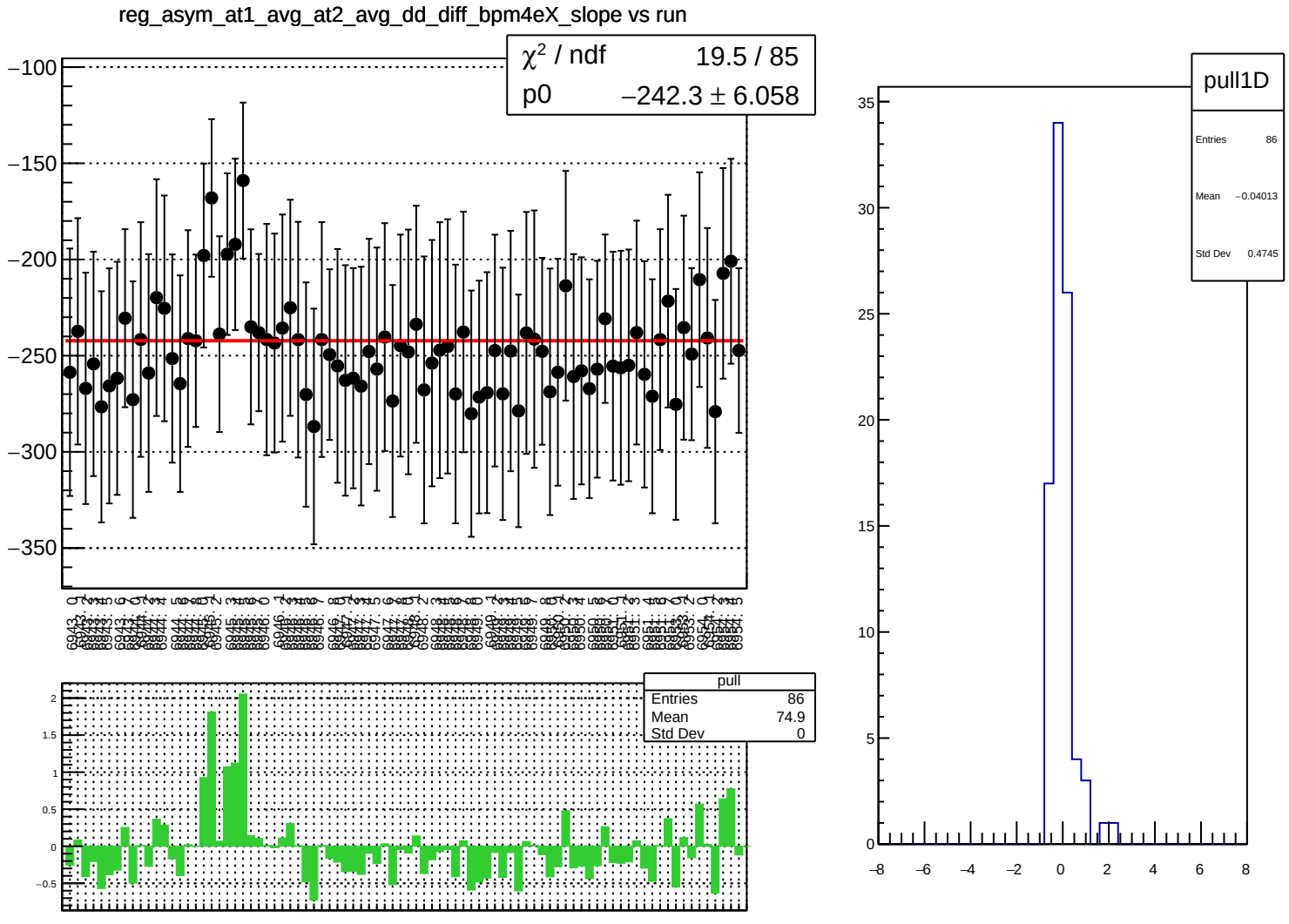

pull1D
Entries 86
Mean −0.002965
Std Dev 1.022

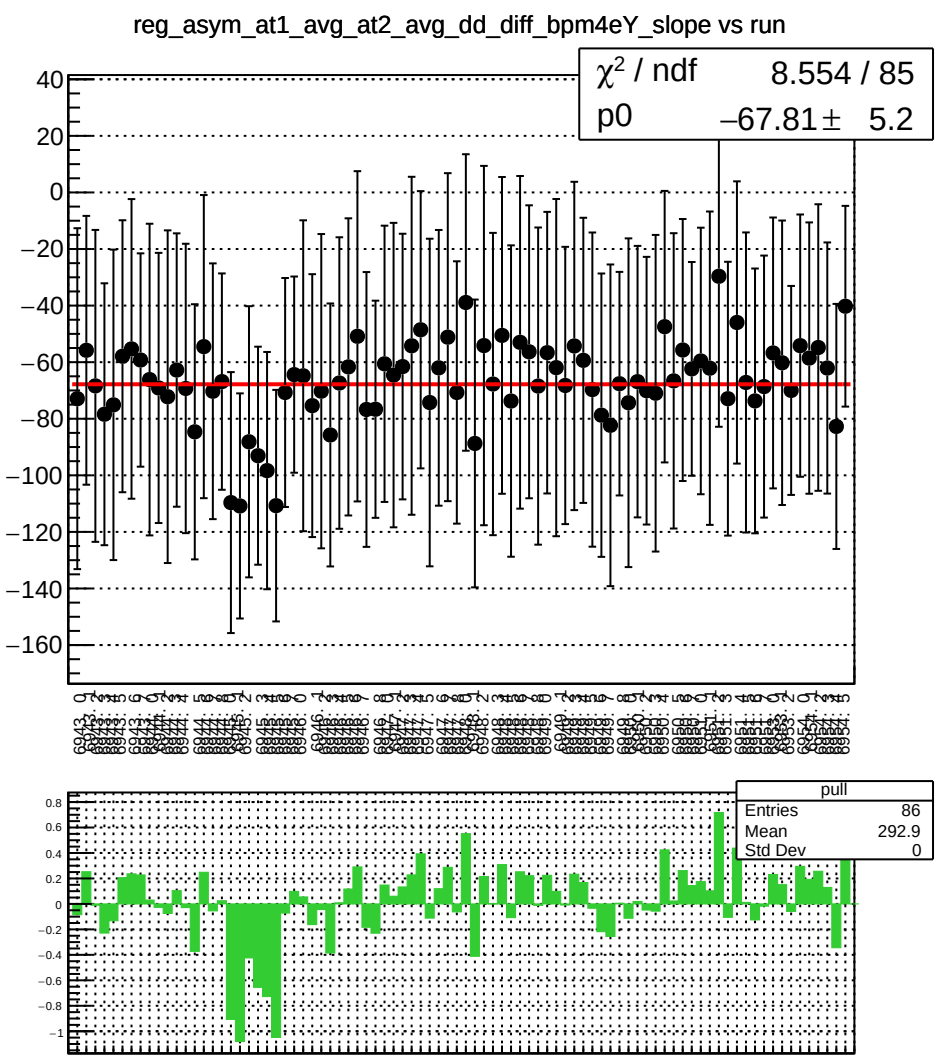

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 97.22 / 85
p0 −9.569 ± 0.04996
pull
Entries 86
Mean −3.844e+05
Std Dev 0

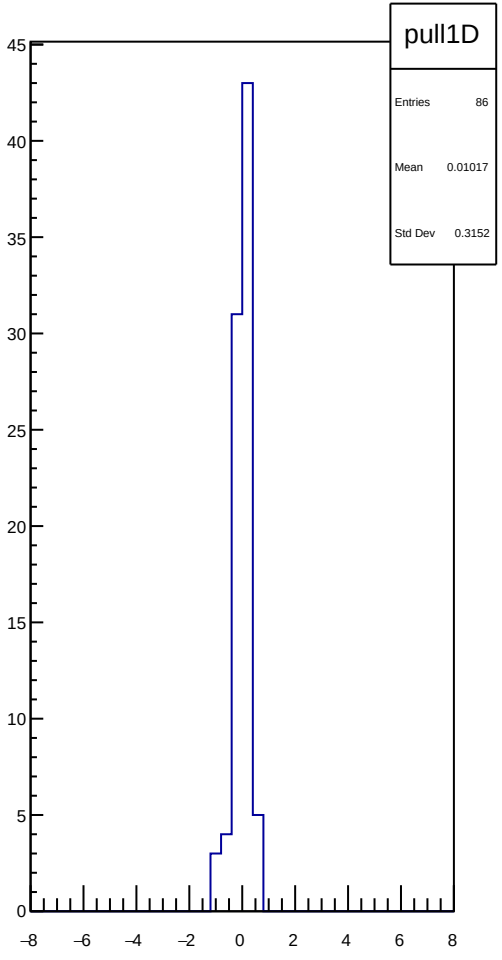

pull1D
Entries 86
Mean 5.268e−06
Std Dev 1.063

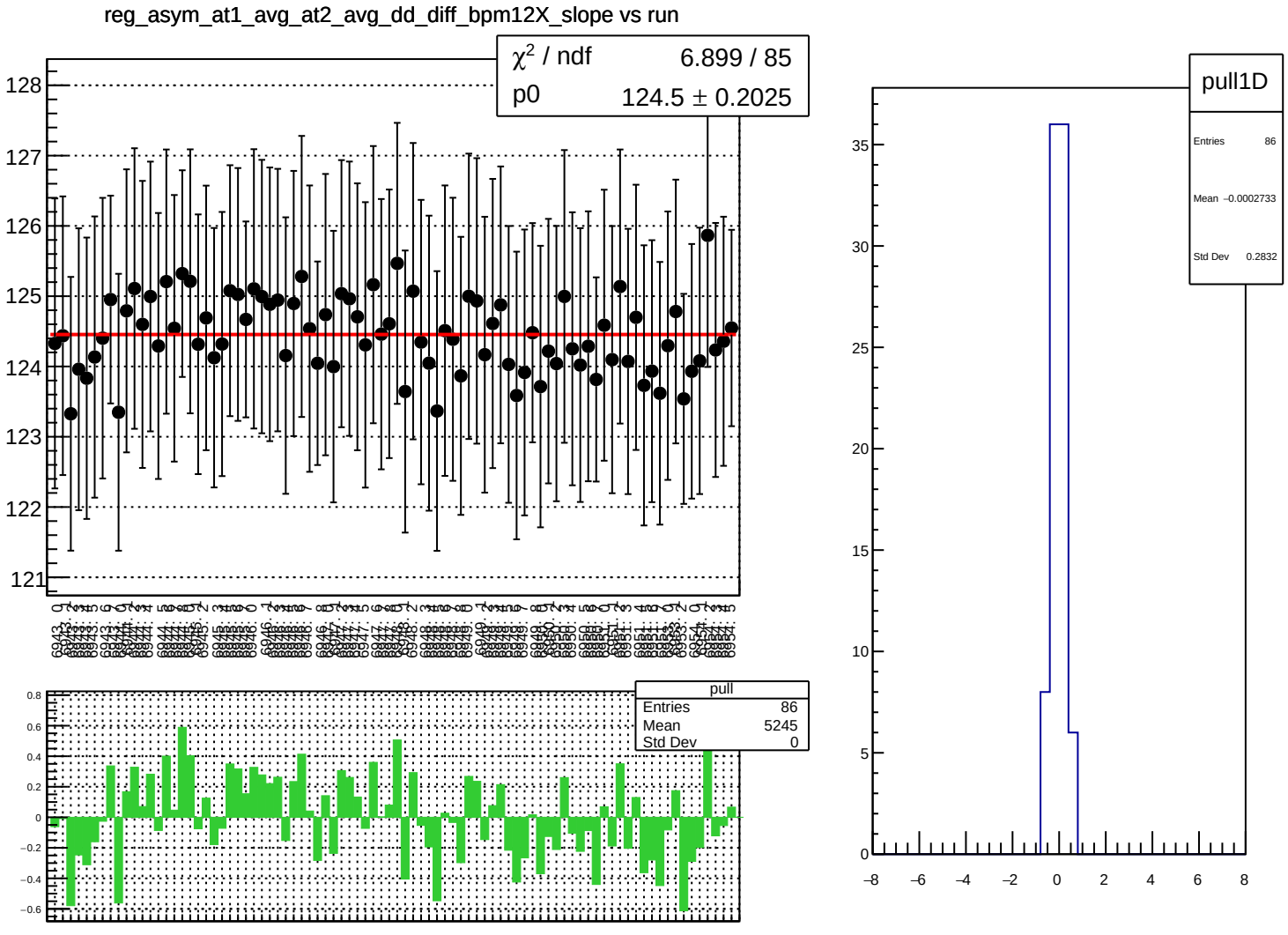

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 19.57 / 85
p0 244.7 ± 6.506
pull
Entries 86
Mean 71.84
Std Dev 0
pull1D
Entries 86
Mean 0.0397
Std Dev 0.4754

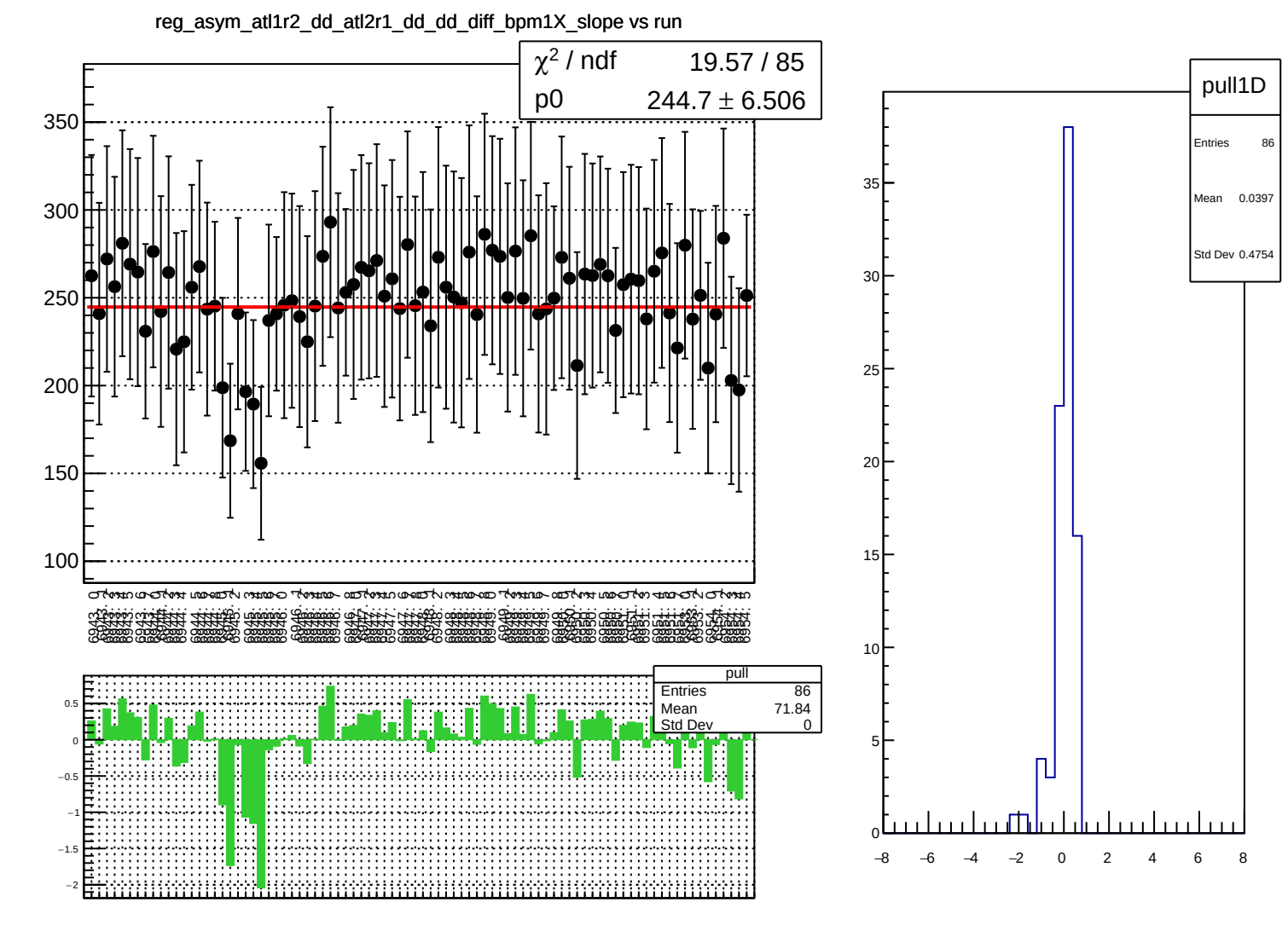

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.168 / 85
p0 −0.9606 ± 4.528
pull
Entries 86
Mean 336.8
Std Dev 0
pull1D
Entries 86
Mean −0.007082
Std Dev 0.2886

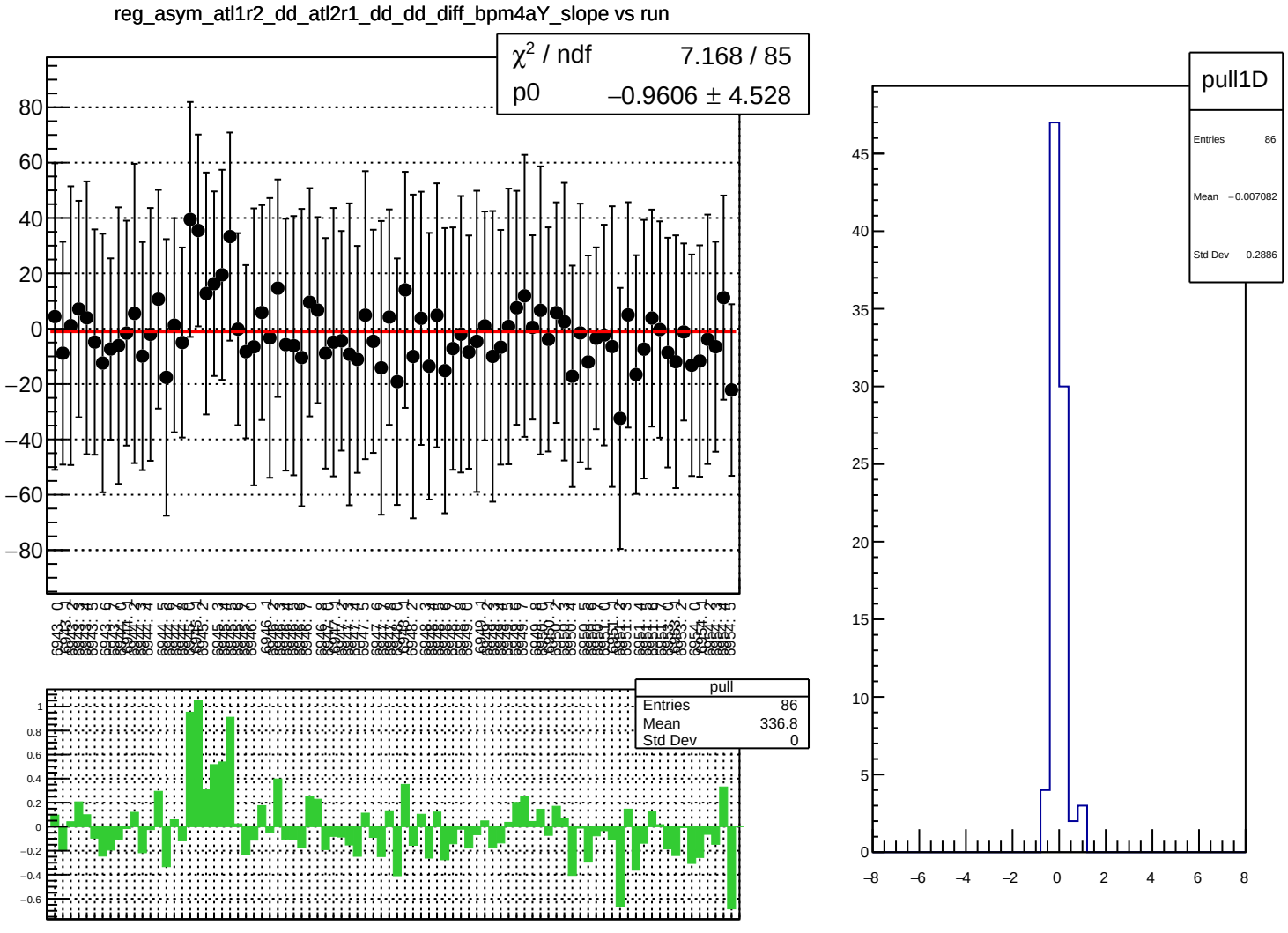

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.5 / 85
p0 −242.3 ± 6.058
−100
−150
−200
−250
−300
−350
pull
Entries 86
Mean 74.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.04013
Std Dev 0.4745
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

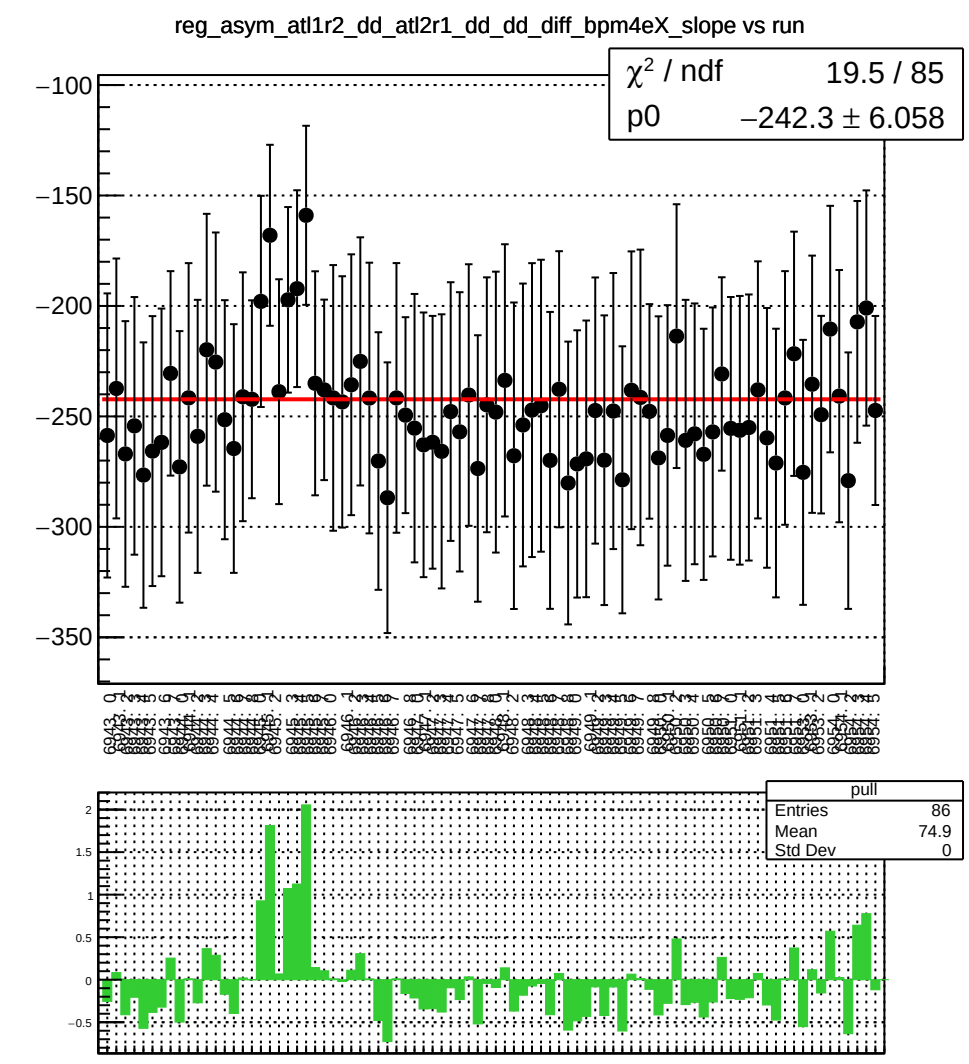

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.554 / 85
p0 −67.81 ± 5.2
pull
Entries 86
Mean 292.9
Std Dev 0

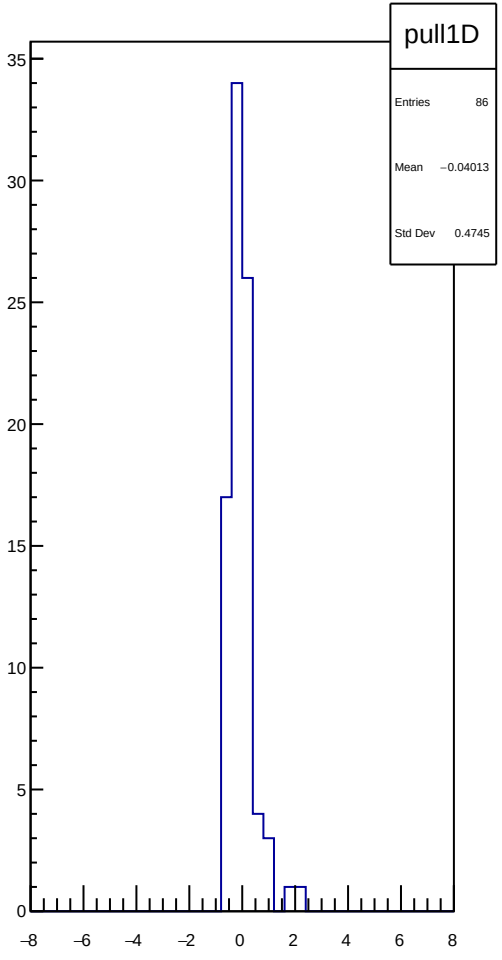

pull1D
Entries 86
Mean 0.01017
Std Dev 0.3152

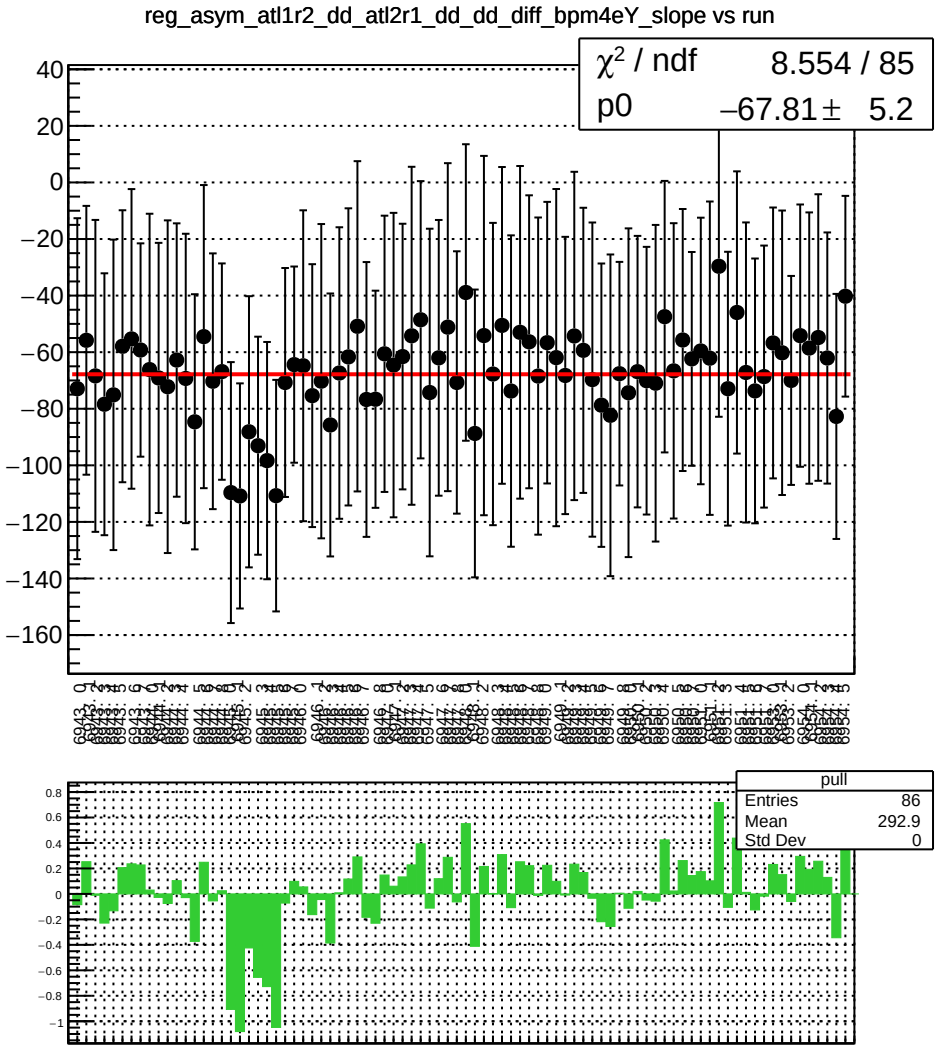

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6.899 / 85
p0 124.5 ± 0.2025
pull
Entries 86
Mean 5245
Std Dev 0
pull1D
Entries 86
Mean −0.0002733
Std Dev 0.2832

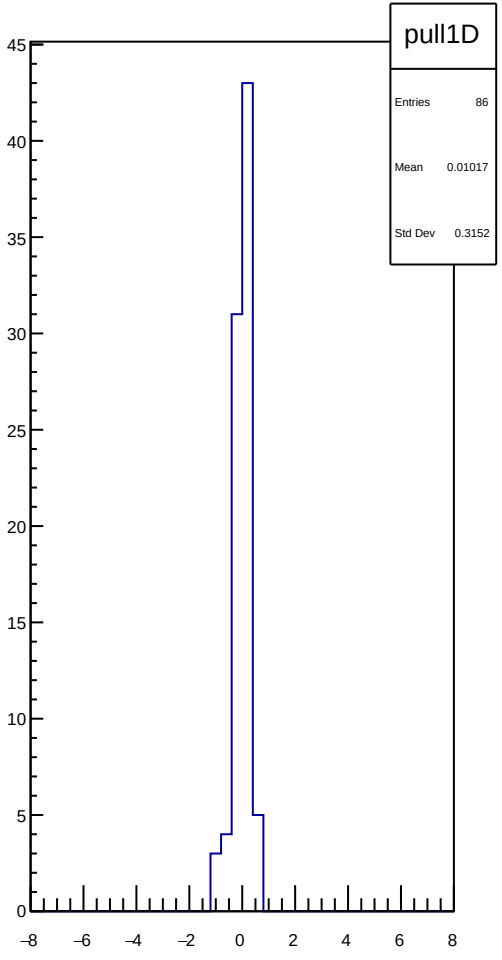

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 19.57 / 85
p0 244.7 ± 6.506
pull
Entries 86
Mean 71.84
Std Dev 0
pull1D
Entries 86
Mean 0.0397
Std Dev 0.4754

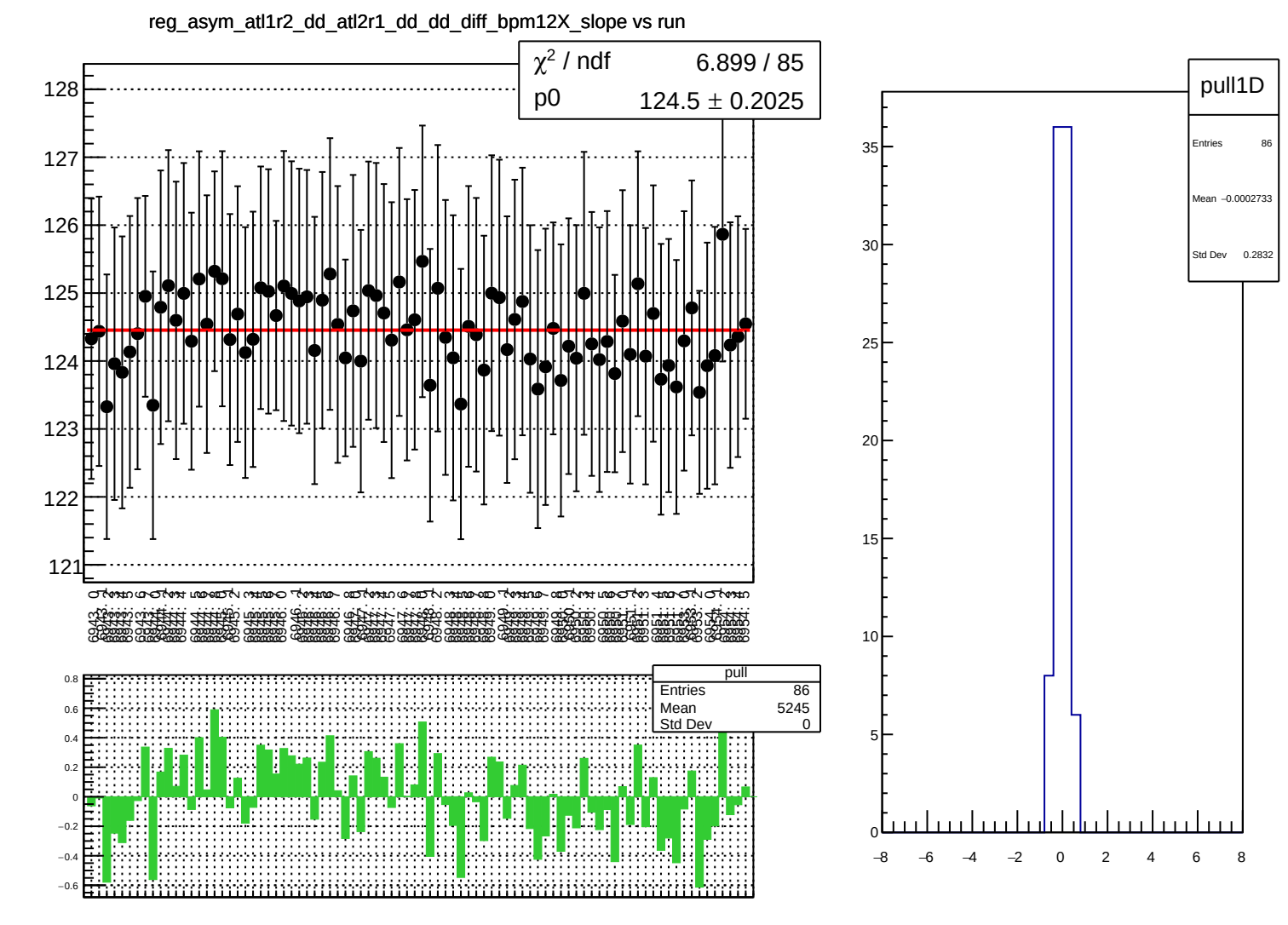

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.168 / 85
p0 −0.9606 ± 4.528
pull
Entries 86
Mean 336.8
Std Dev 0
pull1D
Entries 86
Mean −0.007082
Std Dev 0.2886

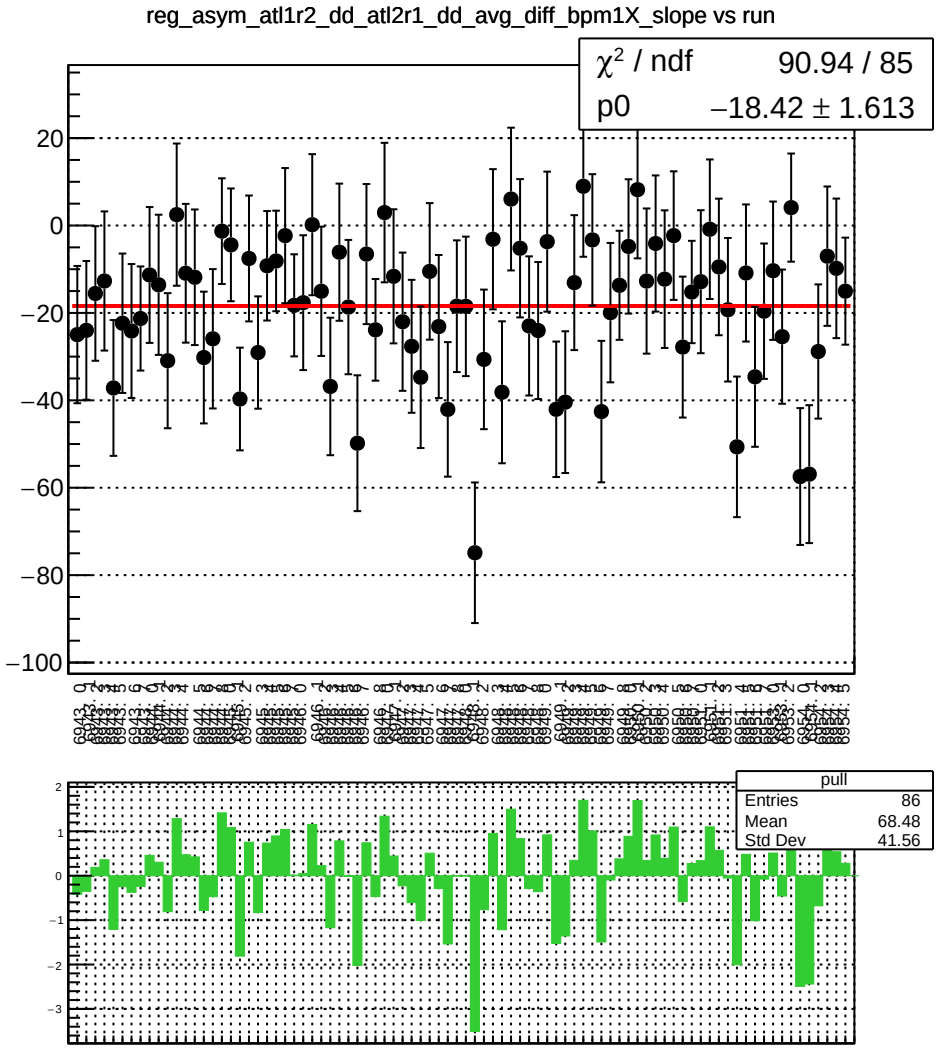

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.5 / 85
p0 −242.3 ± 6.058
pull
Entries 86
Mean 74.9
Std Dev 0

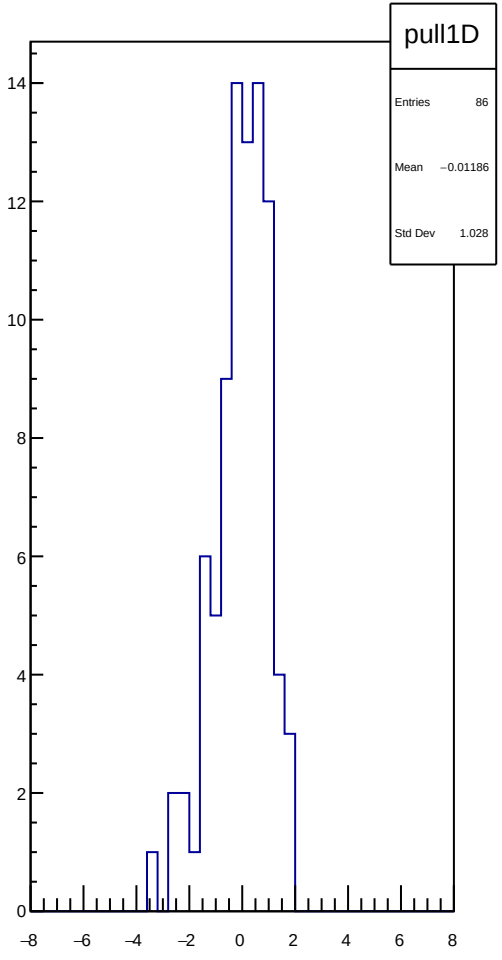

pull1D
Entries 86
Mean −0.04013
Std Dev 0.4745

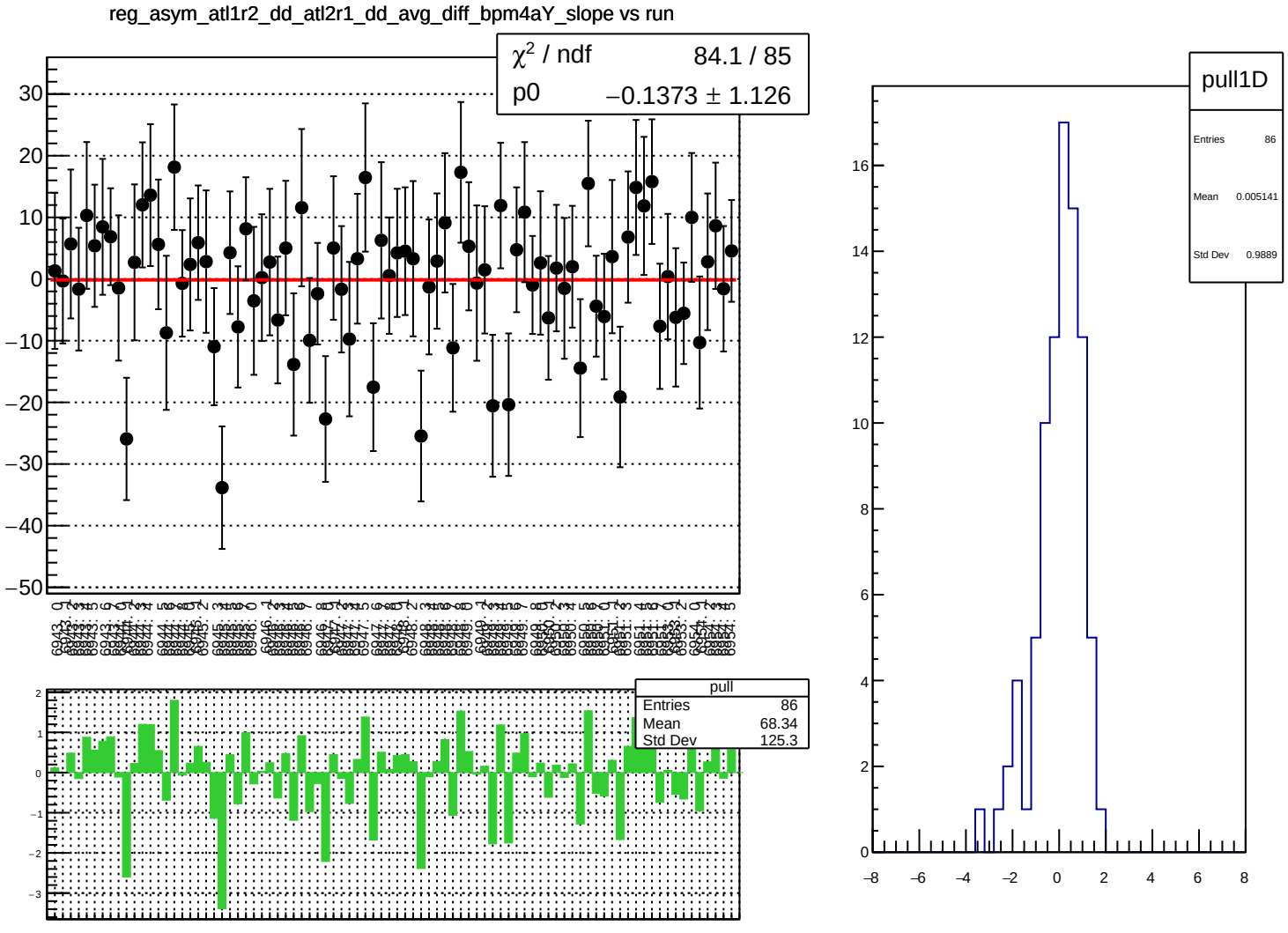

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.554 / 85
p0 −67.81 ± 5.2
pull
Entries 86
Mean 292.9
Std Dev 0

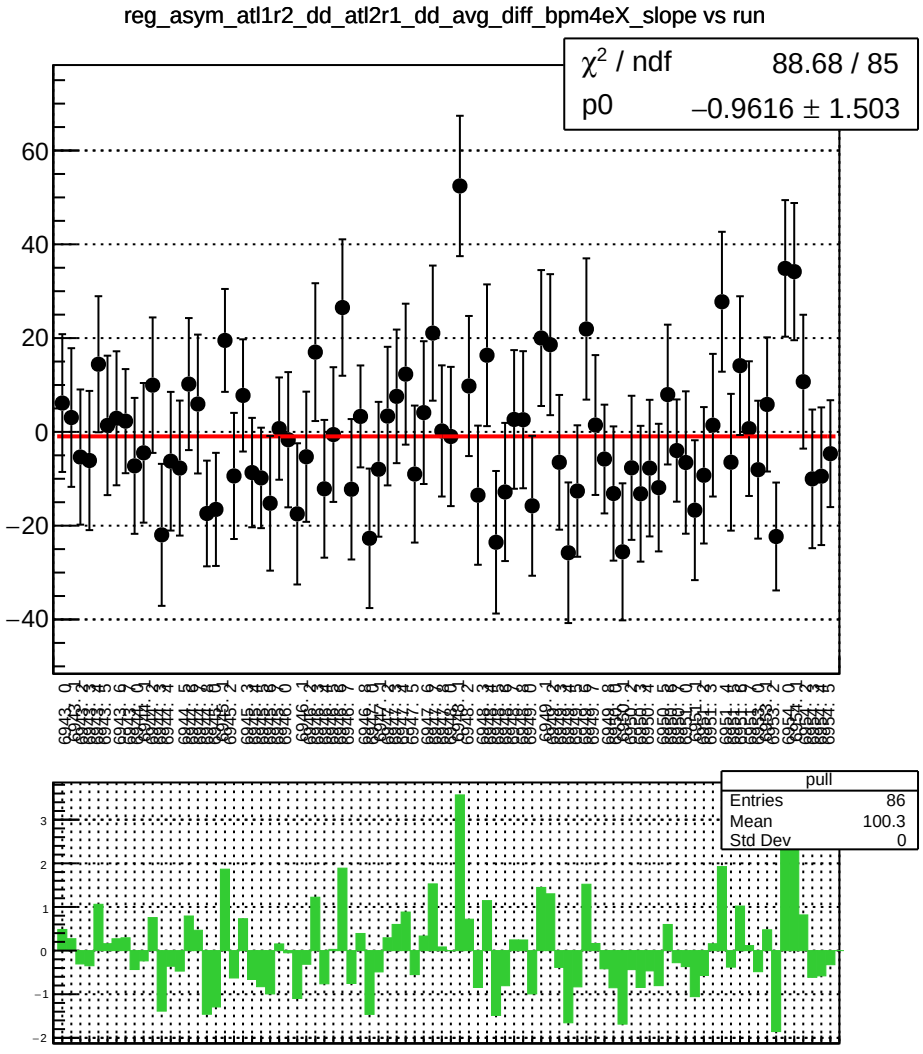

pull1D
Entries 86
Mean 0.01017
Std Dev 0.3152

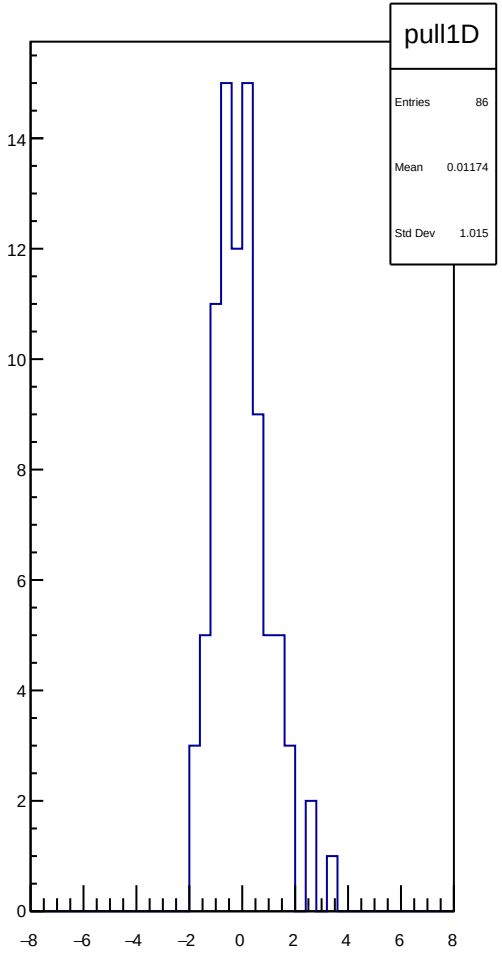

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6.899 / 85
p0 124.5 ± 0.2025
pull
Entries 86
Mean 5245
Std Dev 0
pull1D
Entries 86
Mean −0.0002733
Std Dev 0.2832

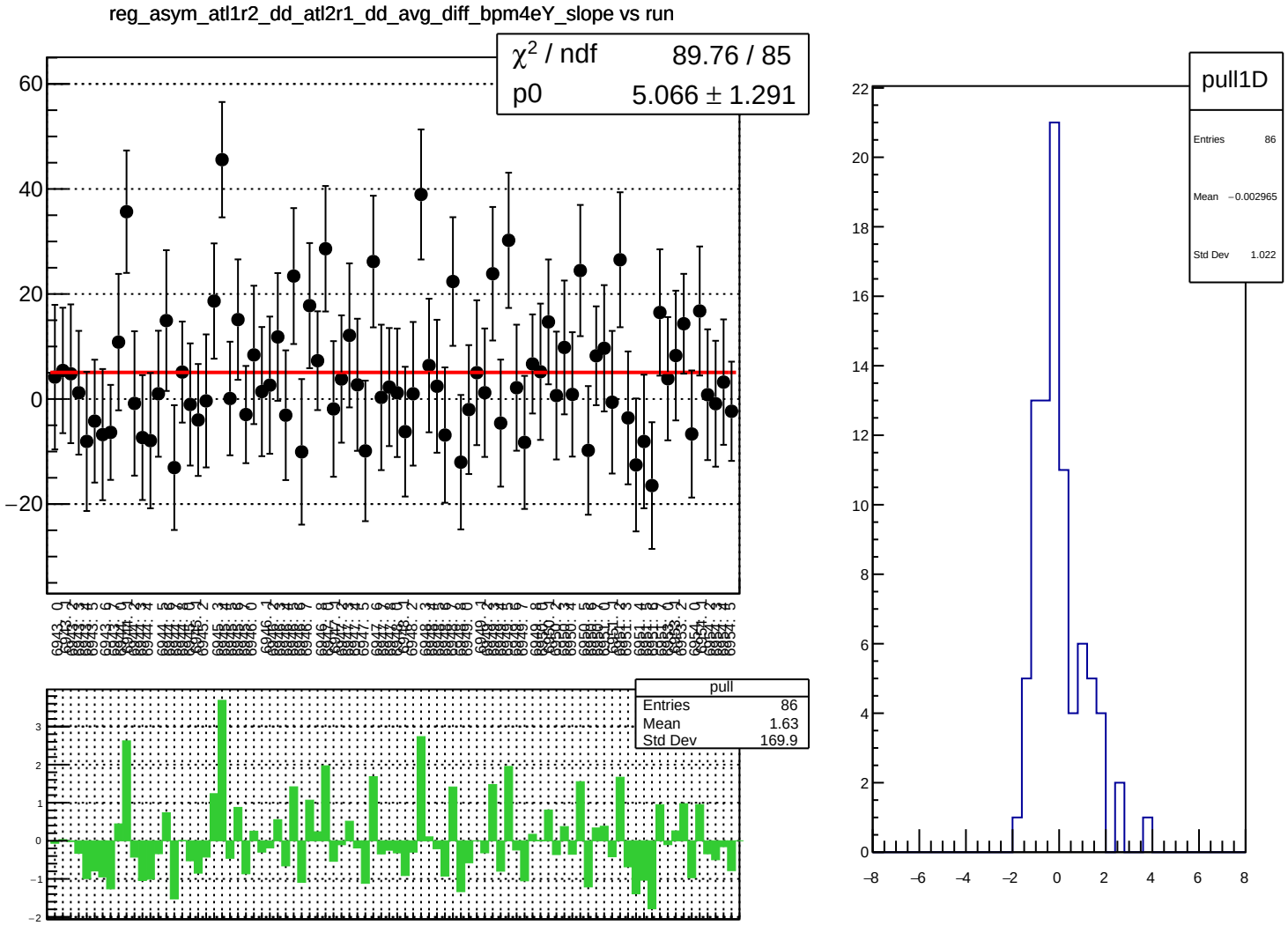

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 90.94 / 85
p0 −18.42 ± 1.613
pull
Entries 86
Mean 68.48
Std Dev 41.56

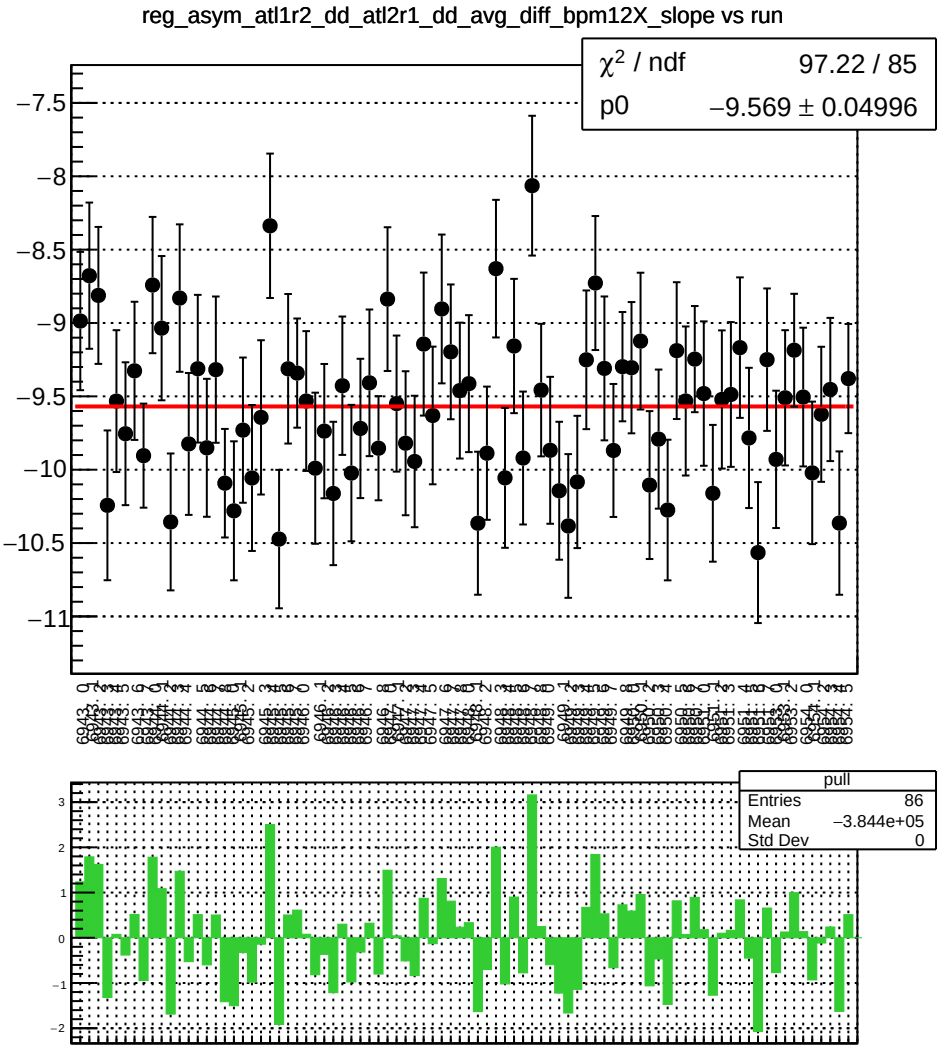

pull1D
Entries 86
Mean −0.01186
Std Dev 1.028

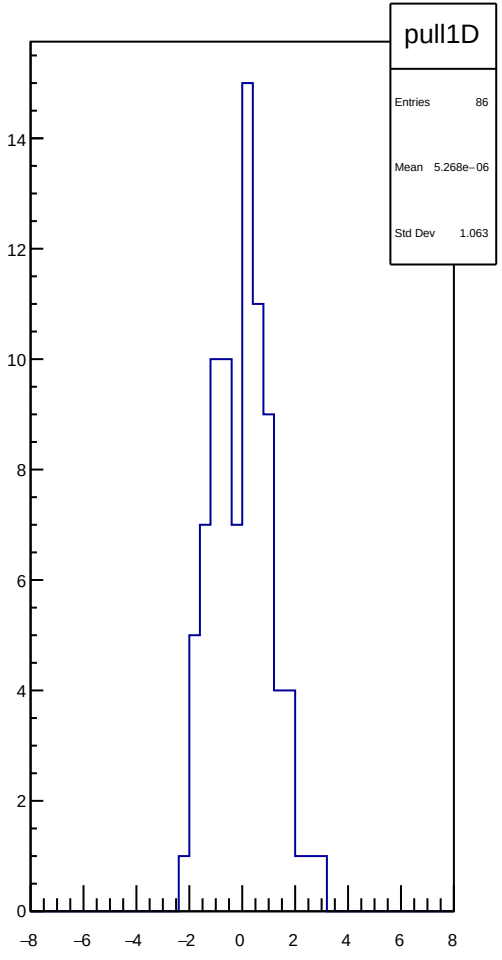

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.1 / 85
p0 −0.1373 ± 1.126
pull
Entries 86
Mean 68.34
Std Dev 125.3
pull1D
Entries 86
Mean 0.005141
Std Dev 0.9889

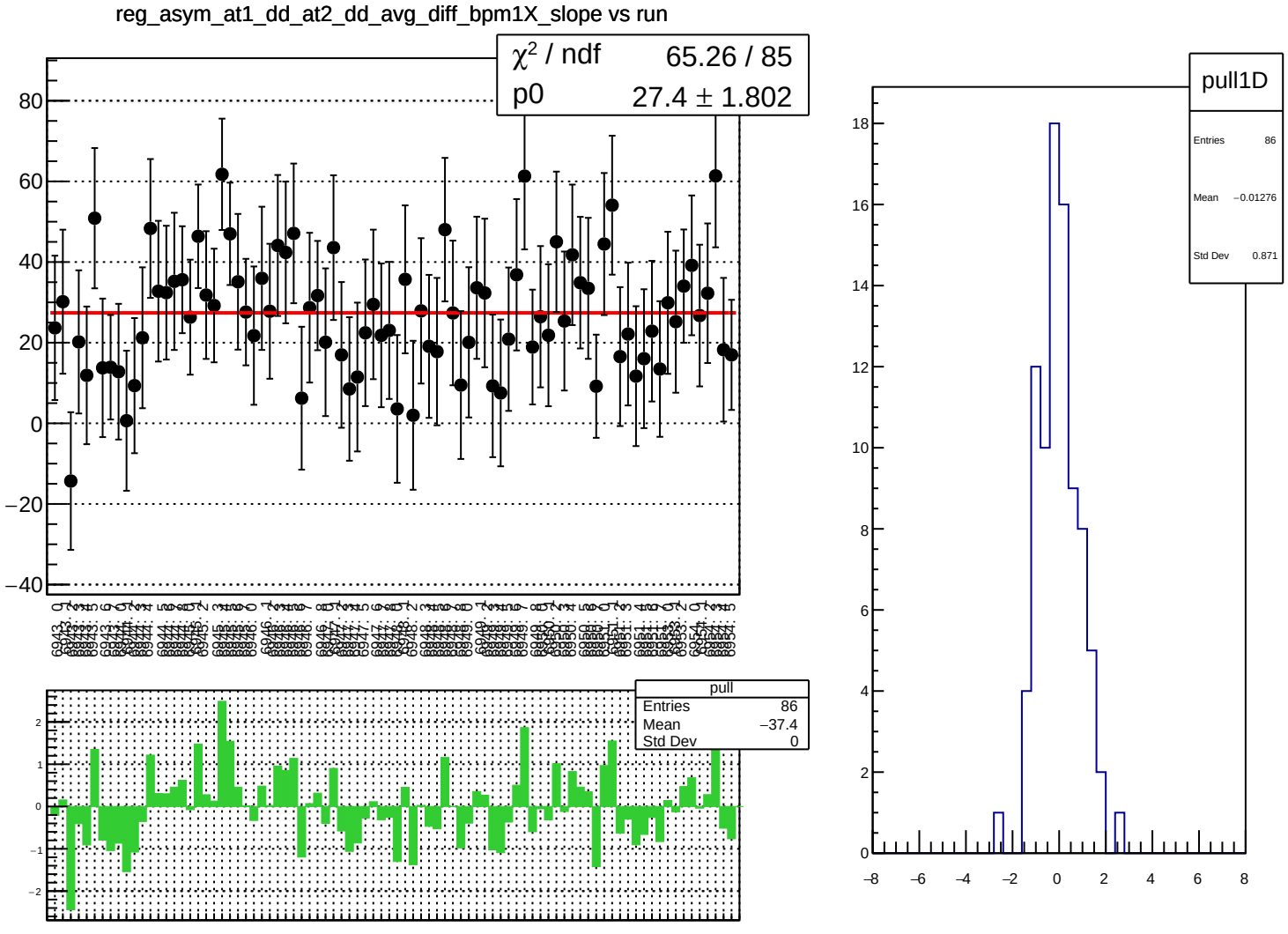

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.68 / 85
p0 −0.9616 ± 1.503
pull
Entries 86
Mean 100.3
Std Dev 0

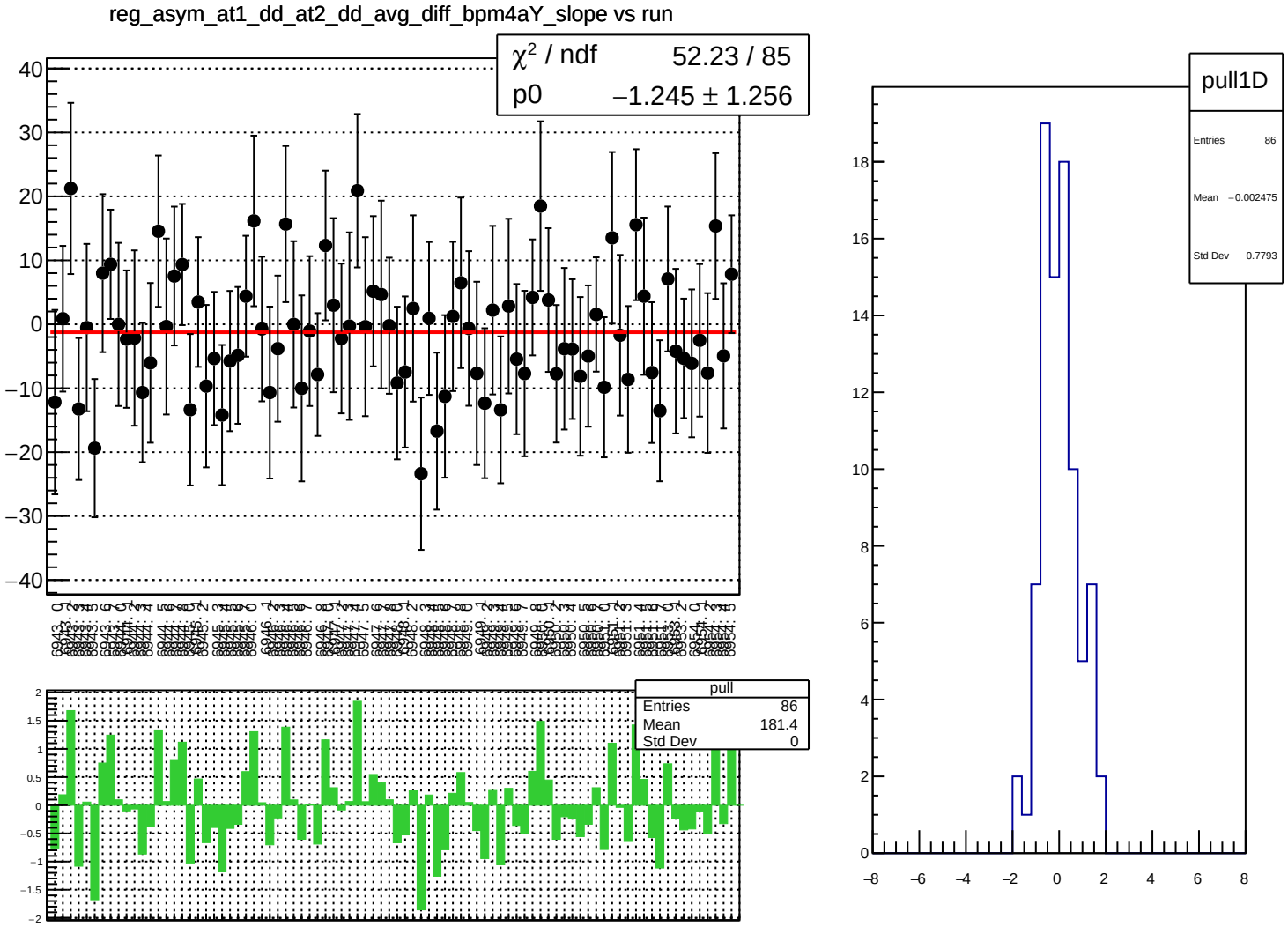

pull1D
Entries 86
Mean 0.01174
Std Dev 1.015

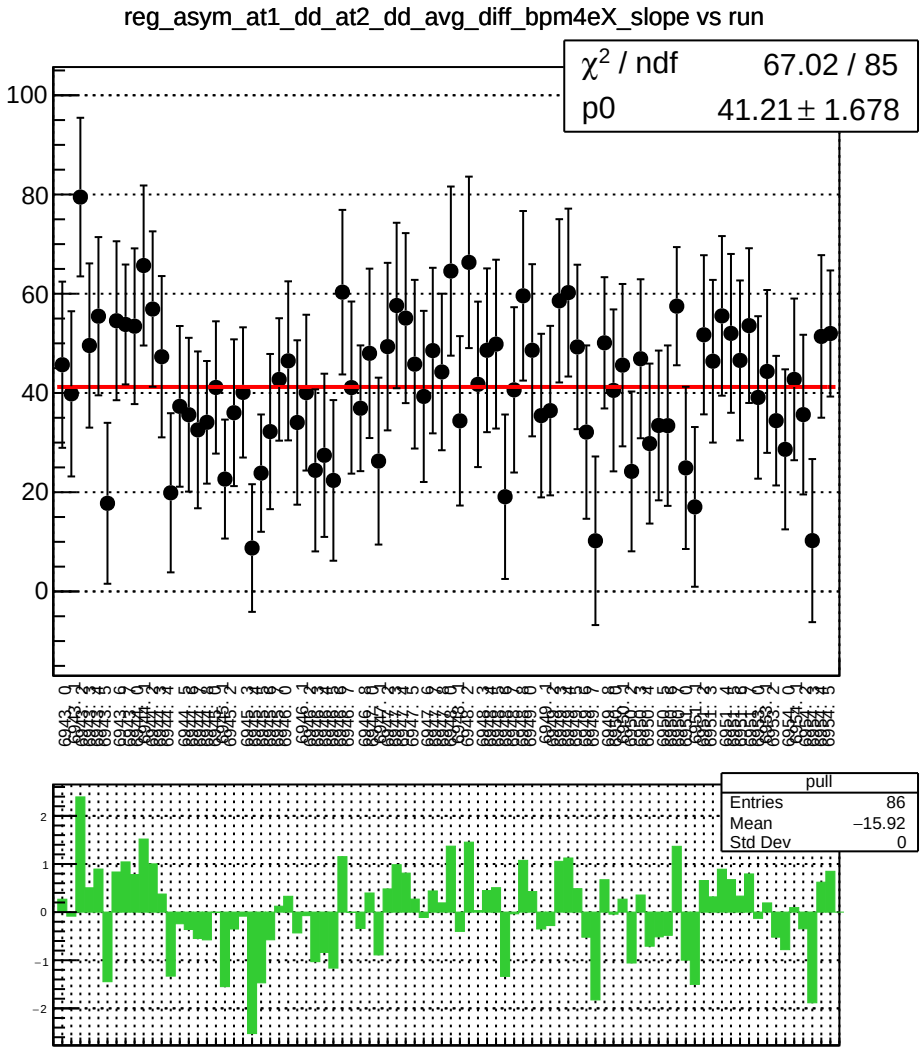

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.76 / 85
p0 5.066 ± 1.291
pull
Entries 86
Mean 1.63
Std Dev 169.9
pull1D
Entries 86
Mean −0.002965
Std Dev 1.022

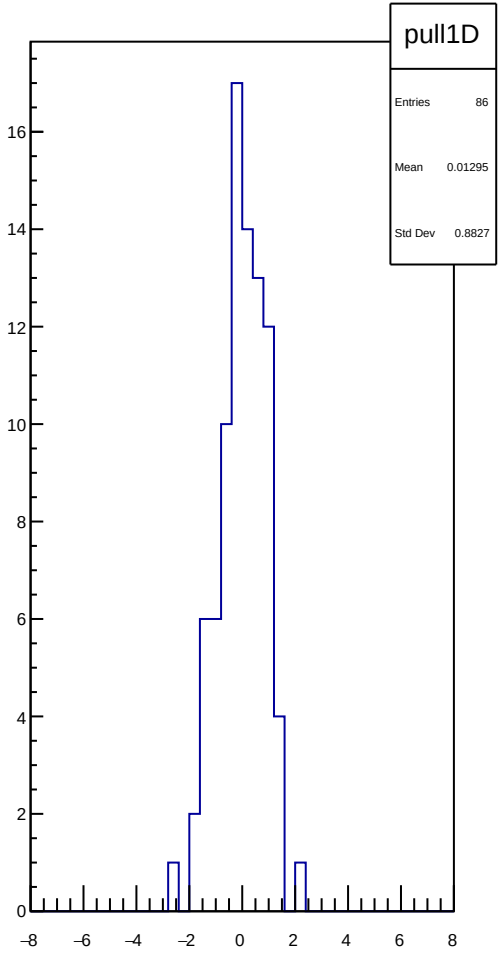

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 97.22 / 85
p0 −9.569 ± 0.04996
pull
Entries 86
Mean −3.844e+05
Std Dev 0

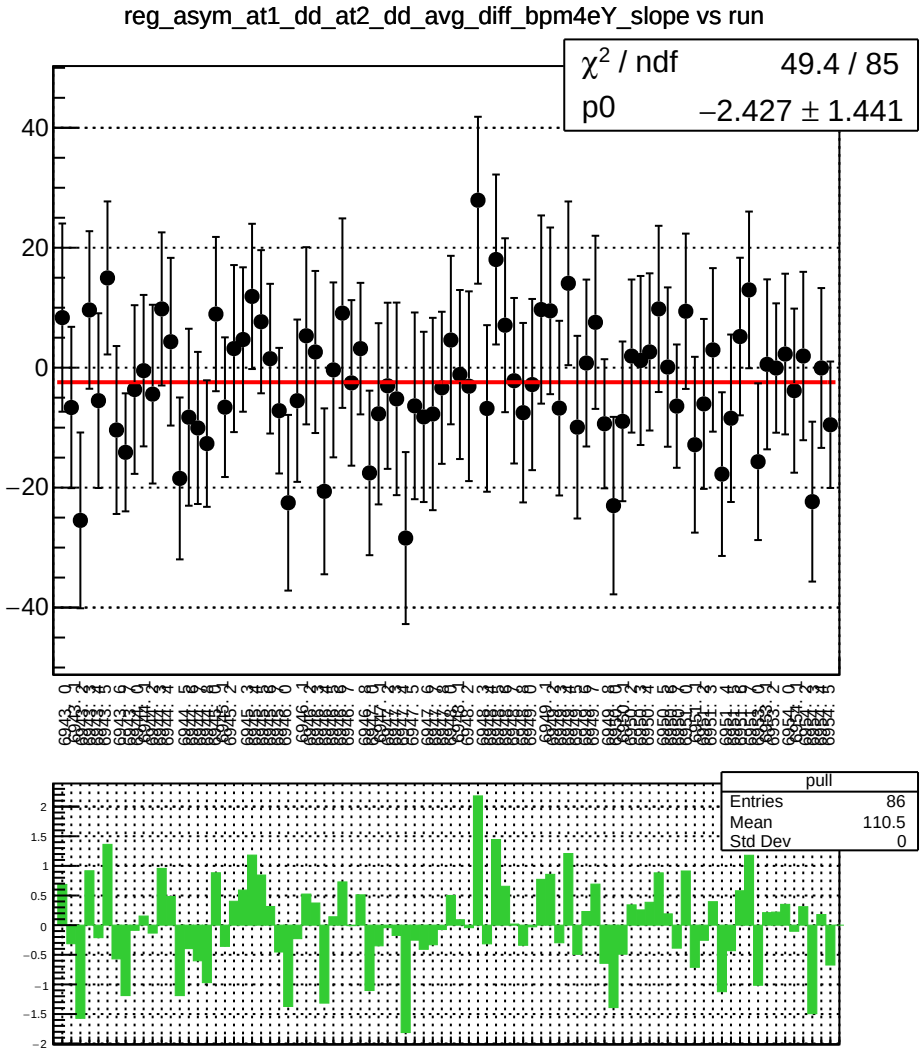

pull1D
Entries 86
Mean 5.268e−06
Std Dev 1.063

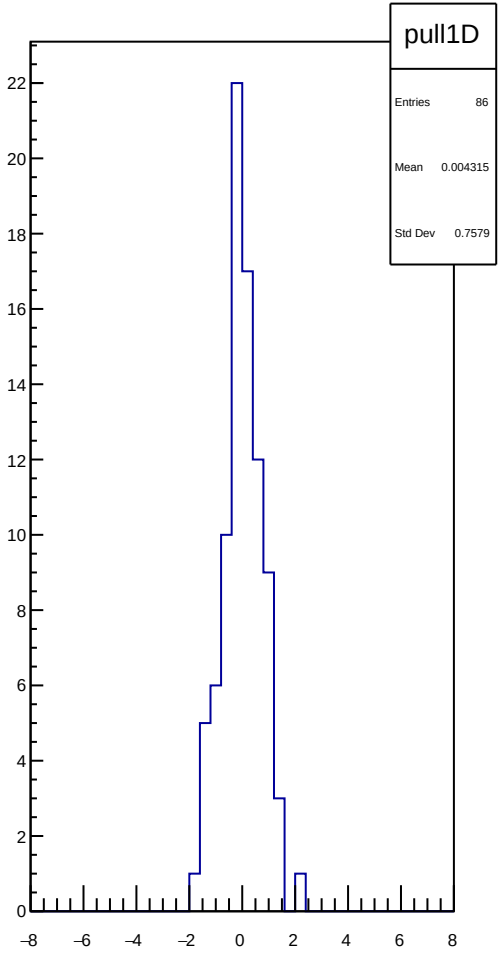

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 65.26 / 85
p0 27.4 ± 1.802
pull
Entries 86
Mean −37.4
Std Dev 0
pull1D
Entries 86
Mean −0.01276
Std Dev 0.871

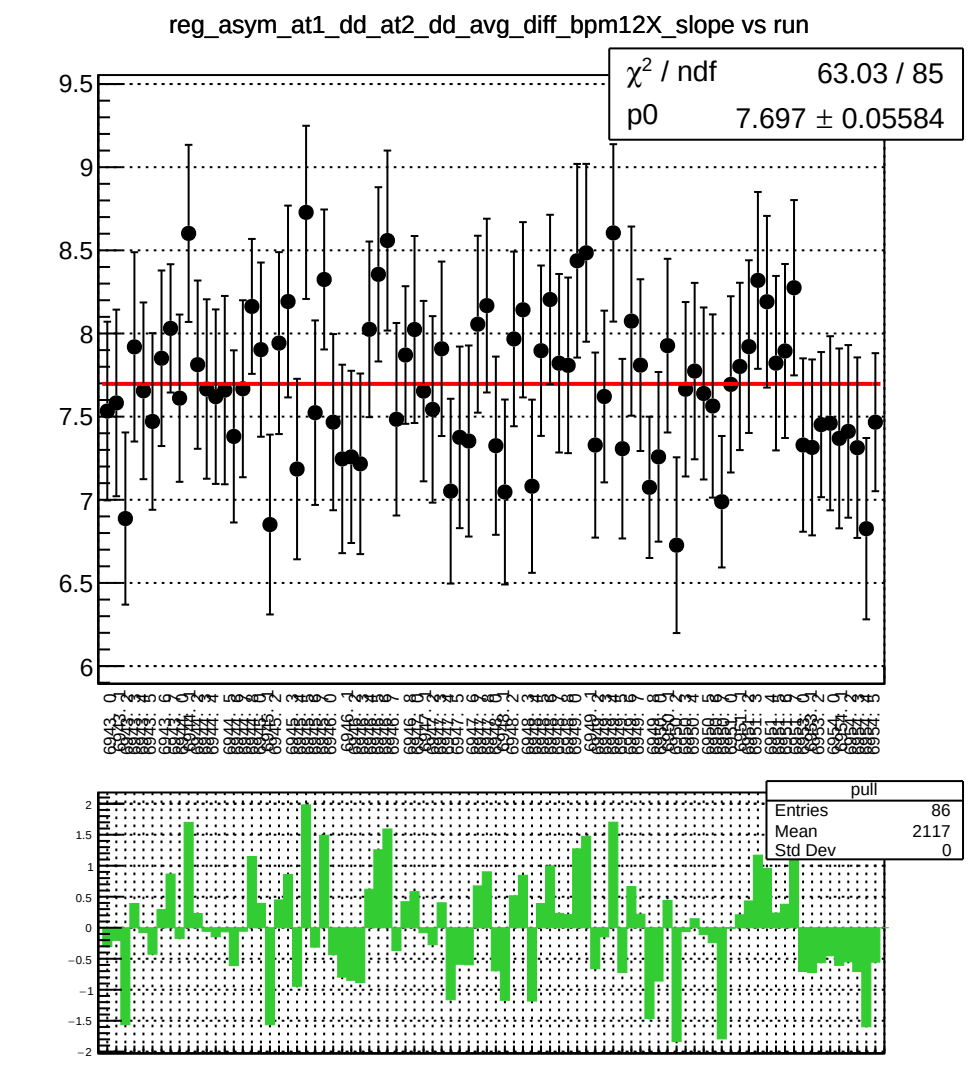

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.23 / 85
p0 −1.245 ± 1.256
pull
Entries 86
Mean 181.4
Std Dev 0
pull1D
Entries 86
Mean −0.002475
Std Dev 0.7793

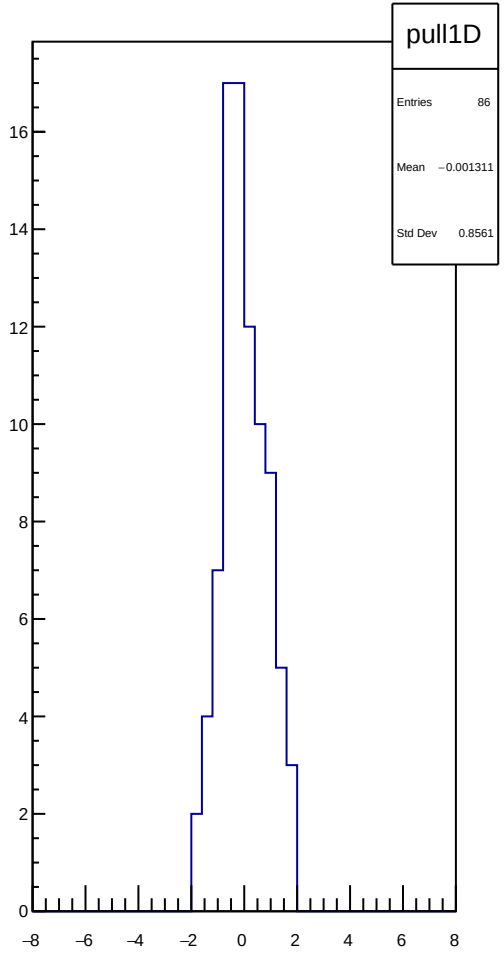

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.02 / 85
p0 41.21 ± 1.678
pull
Entries 86
Mean −15.92
Std Dev 0

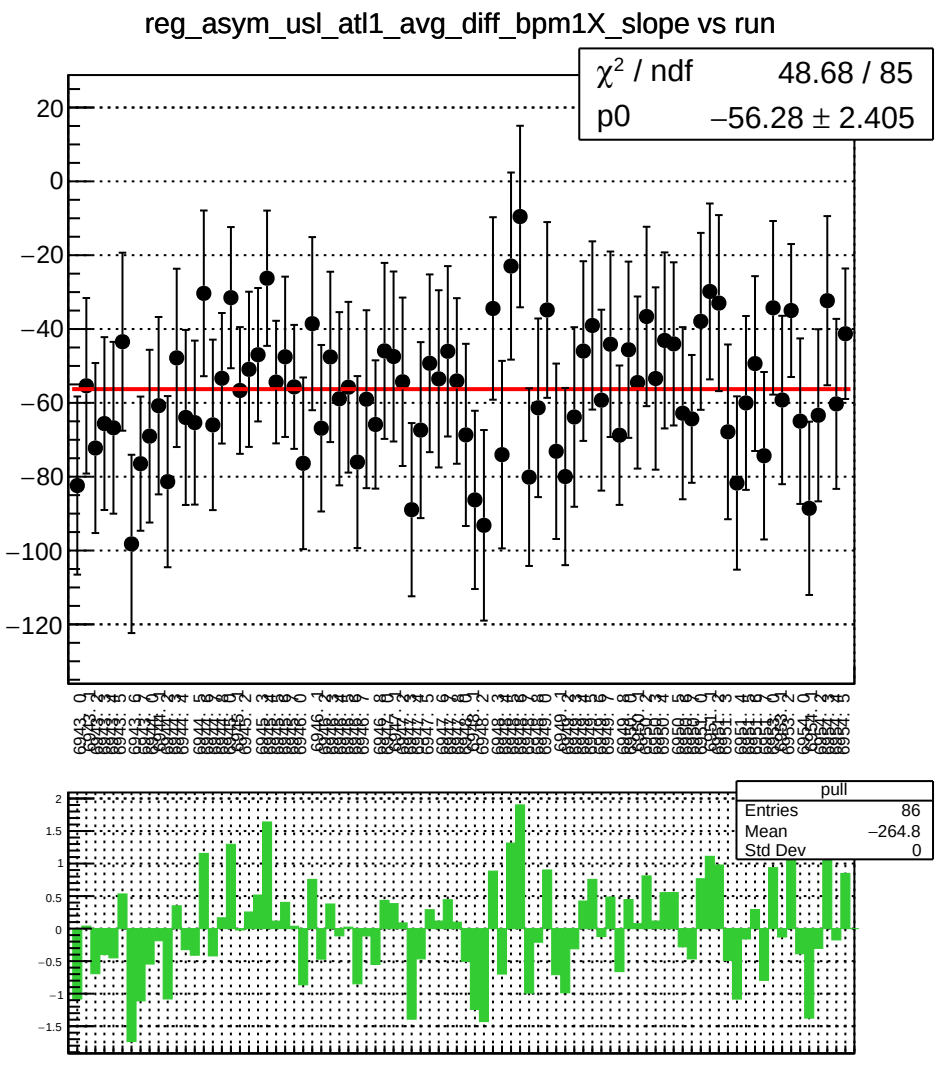

pull1D
Entries 86
Mean 0.01295
Std Dev 0.8827

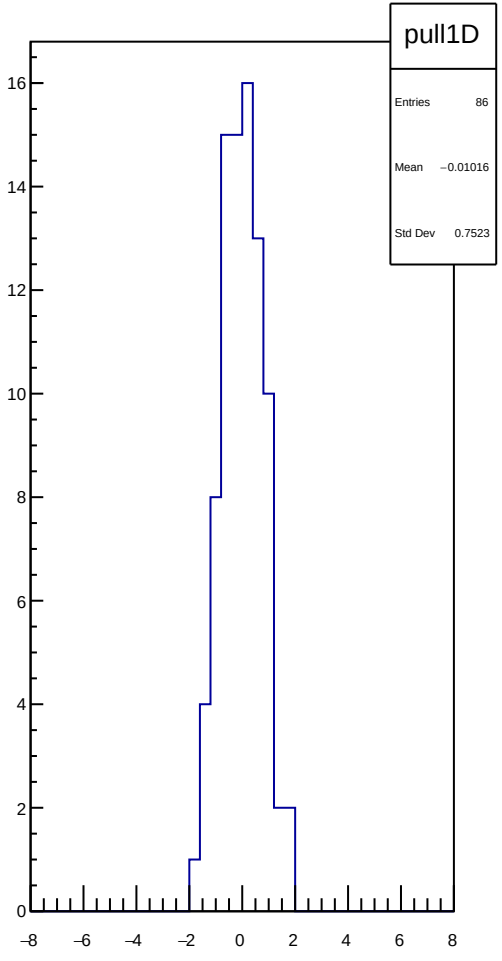

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.4 / 85
p0 −2.427 ± 1.441
pull
Entries 86
Mean 110.5
Std Dev 0

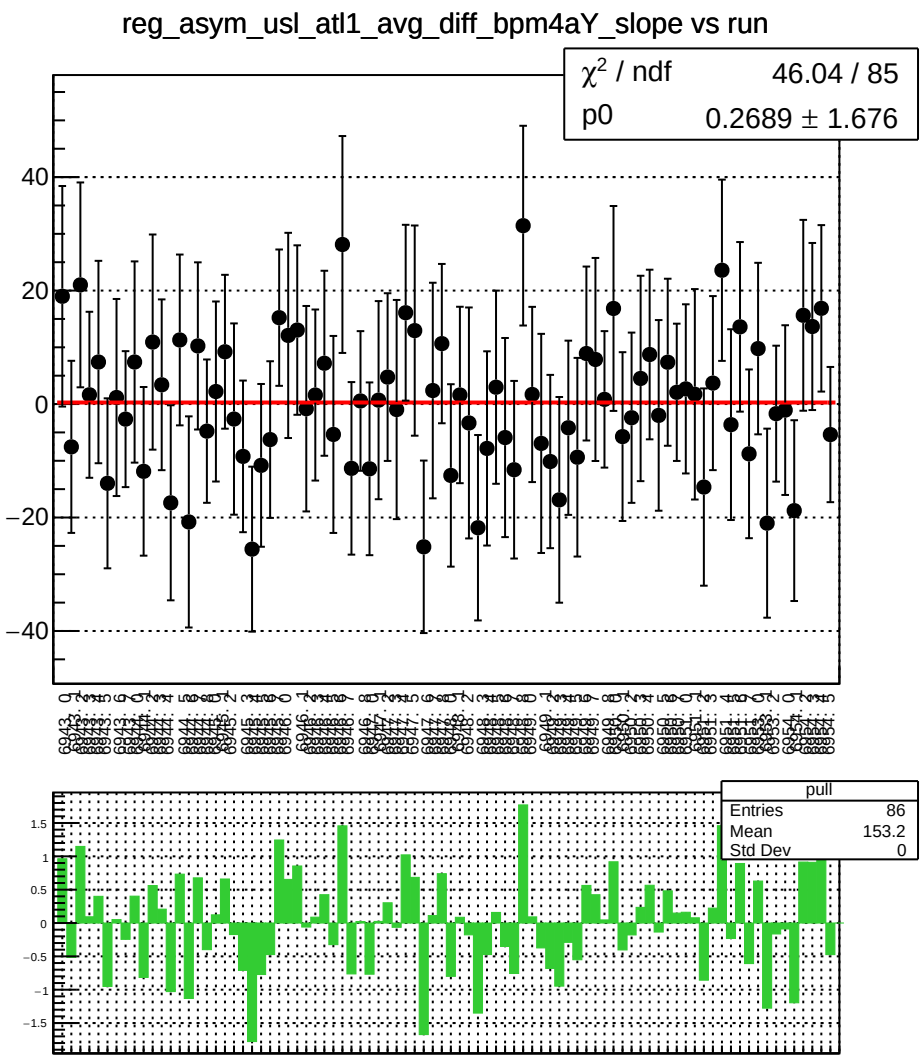

pull1D
Entries 86
Mean 0.004315
Std Dev 0.7579

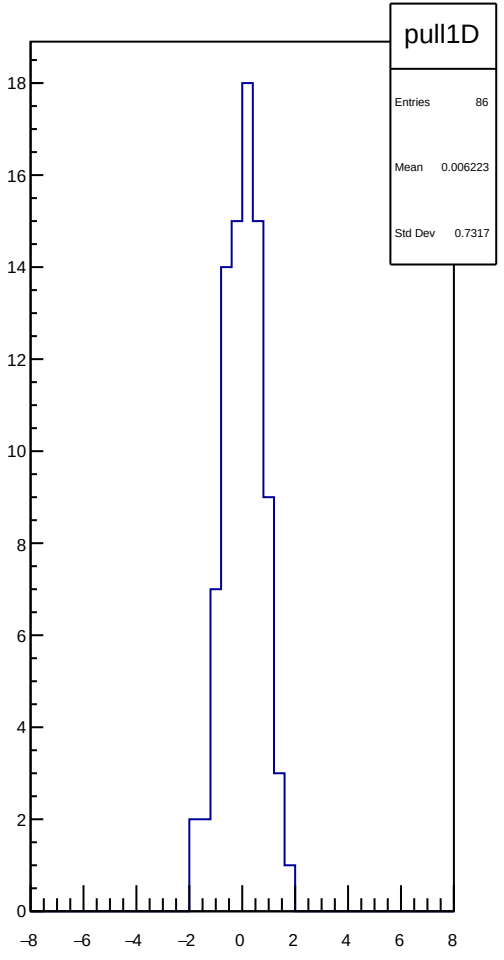

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 63.03 / 85
p0 7.697 ± 0.05584
pull
Entries 86
Mean 2117
Std Dev 0

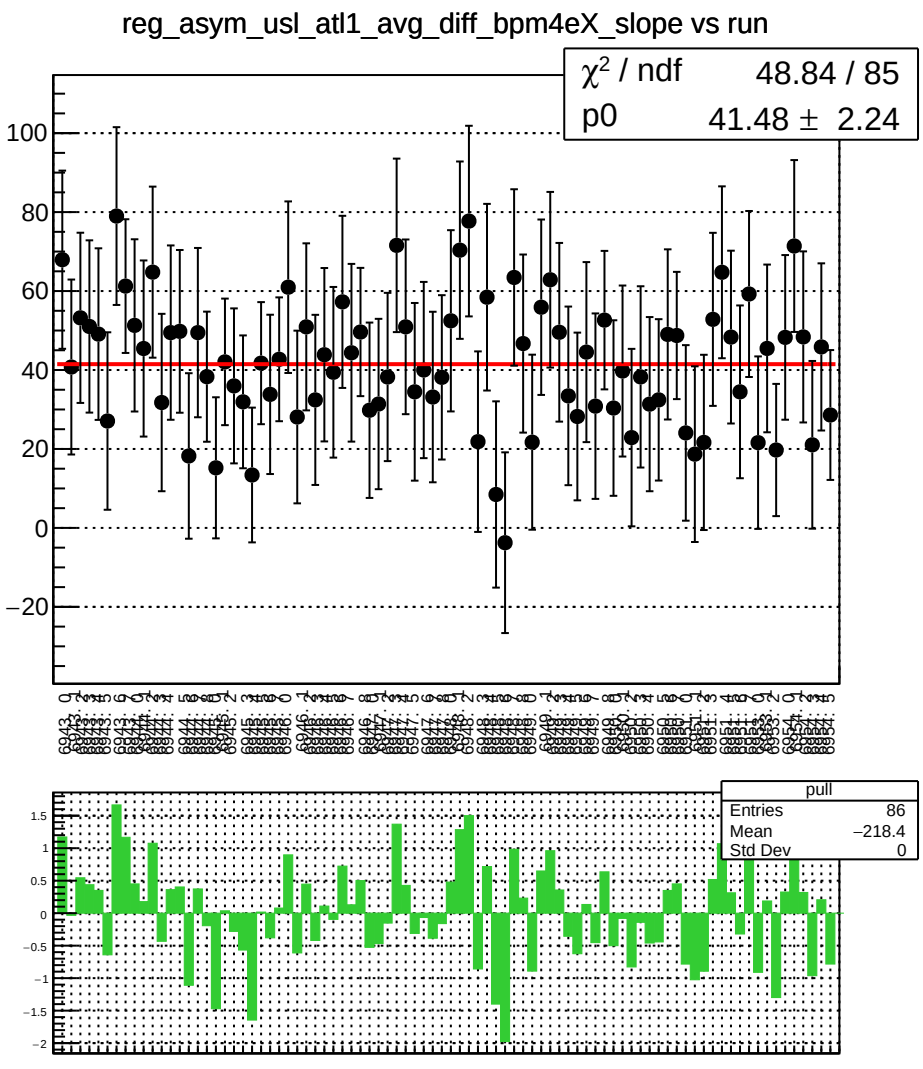

pull1D
Entries 86
Mean −0.001311
Std Dev 0.8561

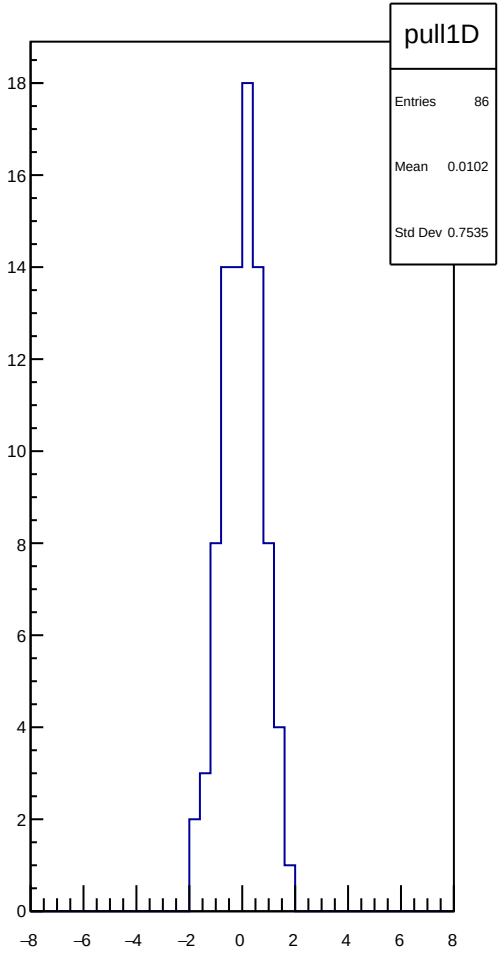

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 48.68 / 85
p0 −56.28 ± 2.405
pull
Entries 86
Mean −264.8
Std Dev 0

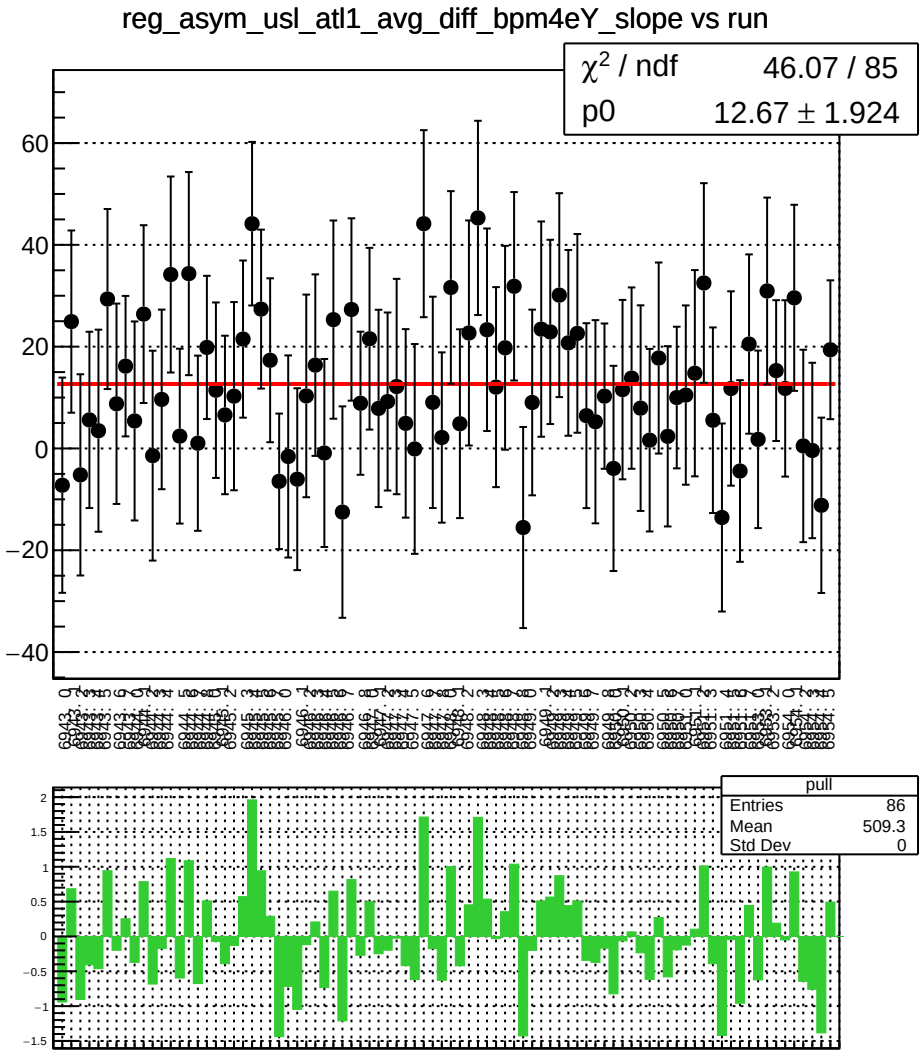

pull1D
Entries 86
Mean −0.01016
Std Dev 0.7523

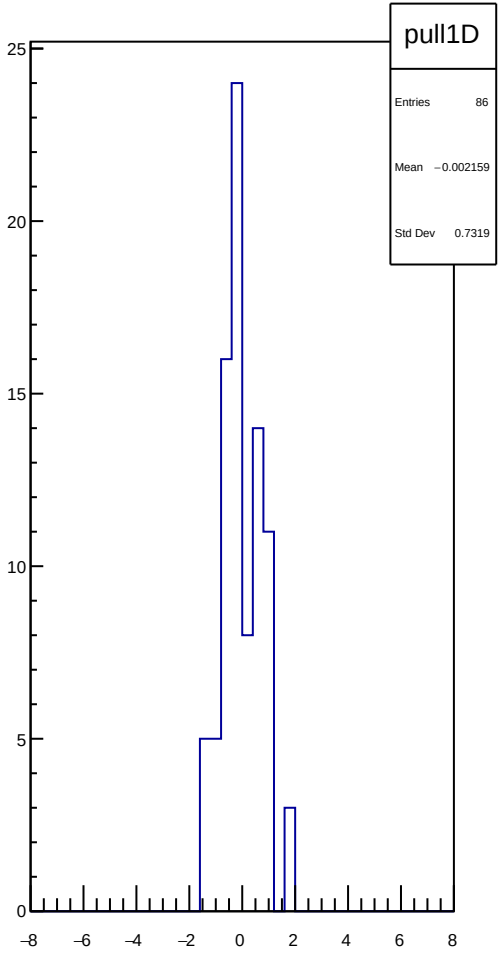

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.04 / 85
p0 0.2689 ± 1.676
pull
Entries 86
Mean 153.2
Std Dev 0

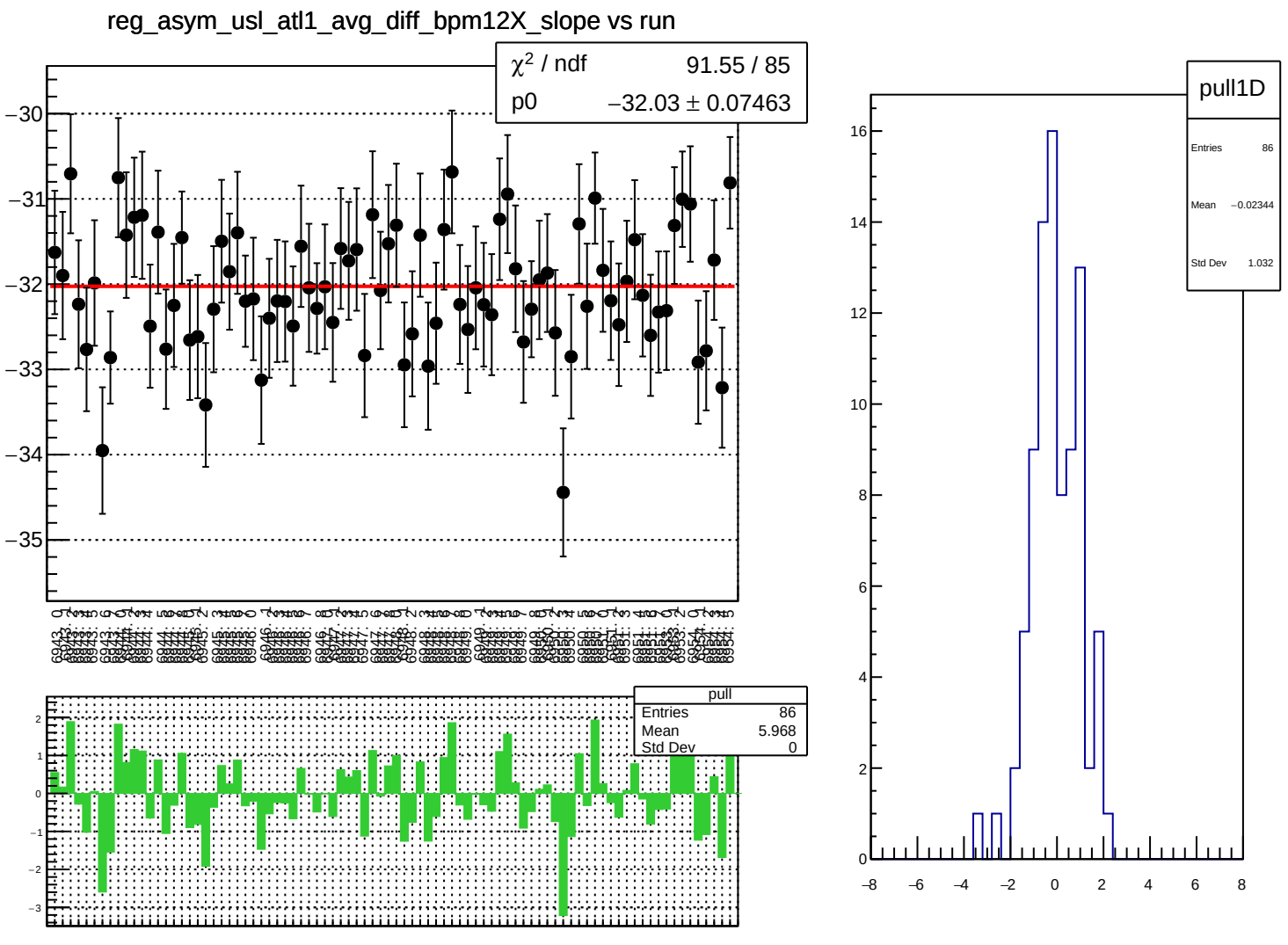

pull1D
Entries 86
Mean 0.006223
Std Dev 0.7317

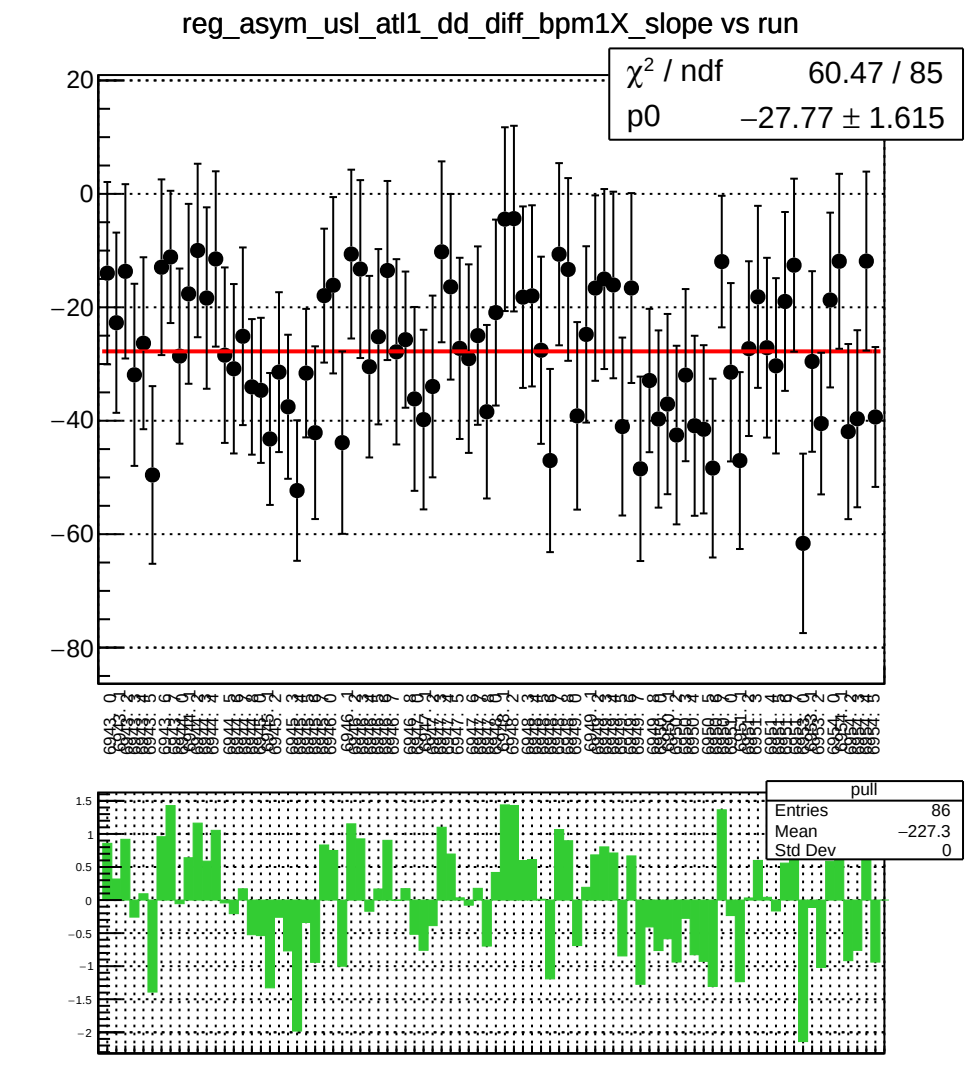

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.84 / 85
p0 41.48 ± 2.24
pull
Entries 86
Mean −218.4
Std Dev 0

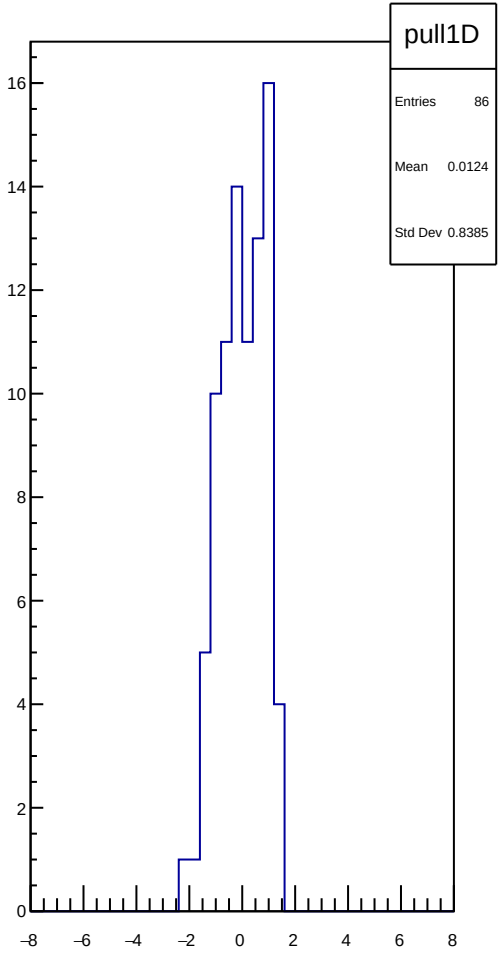

pull1D
Entries 86
Mean 0.0102
Std Dev 0.7535

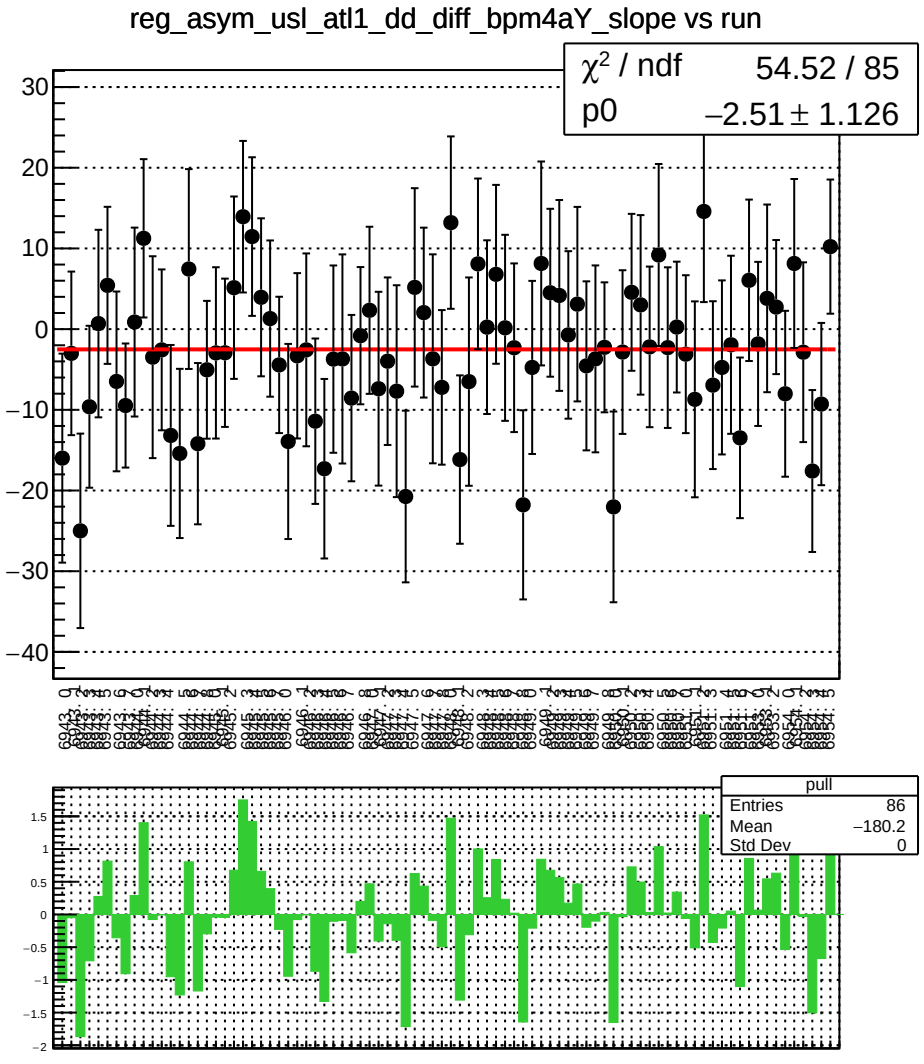

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.07 / 85
p0 12.67 ± 1.924
pull
Entries 86
Mean 509.3
Std Dev 0

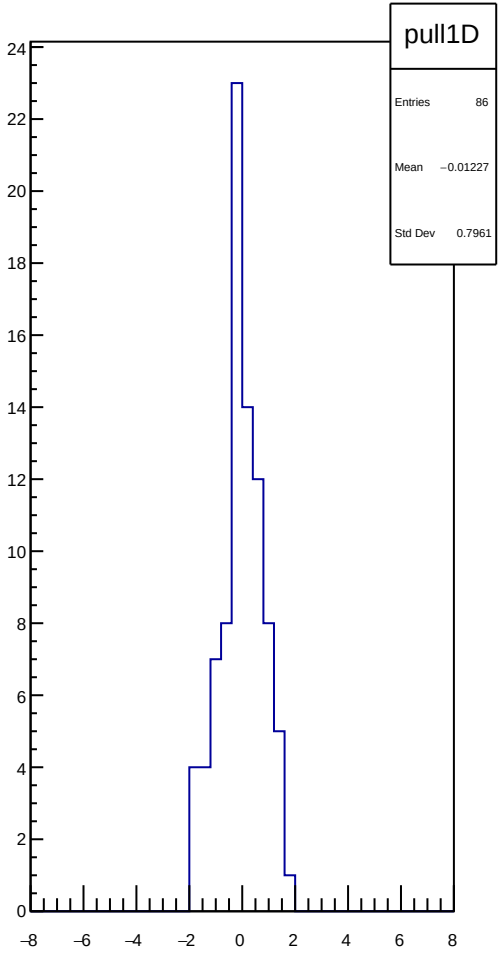

pull1D
Entries 86
Mean −0.002159
Std Dev 0.7319

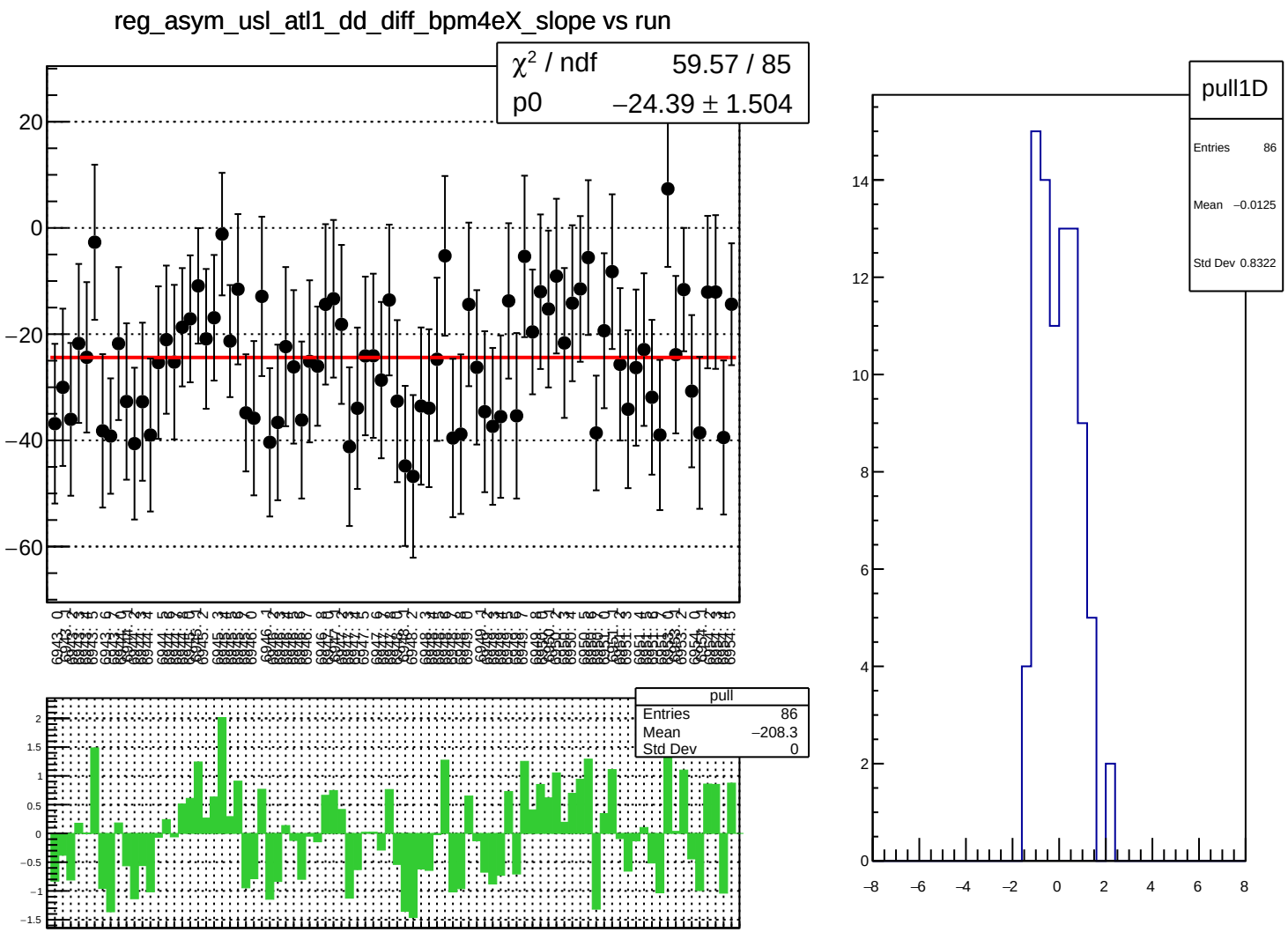

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 91.55 / 85
p0 −32.03 ± 0.07463
−30
−31
−32
−33
−34
−35
pull
Entries 86
Mean 5.968
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.02344
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

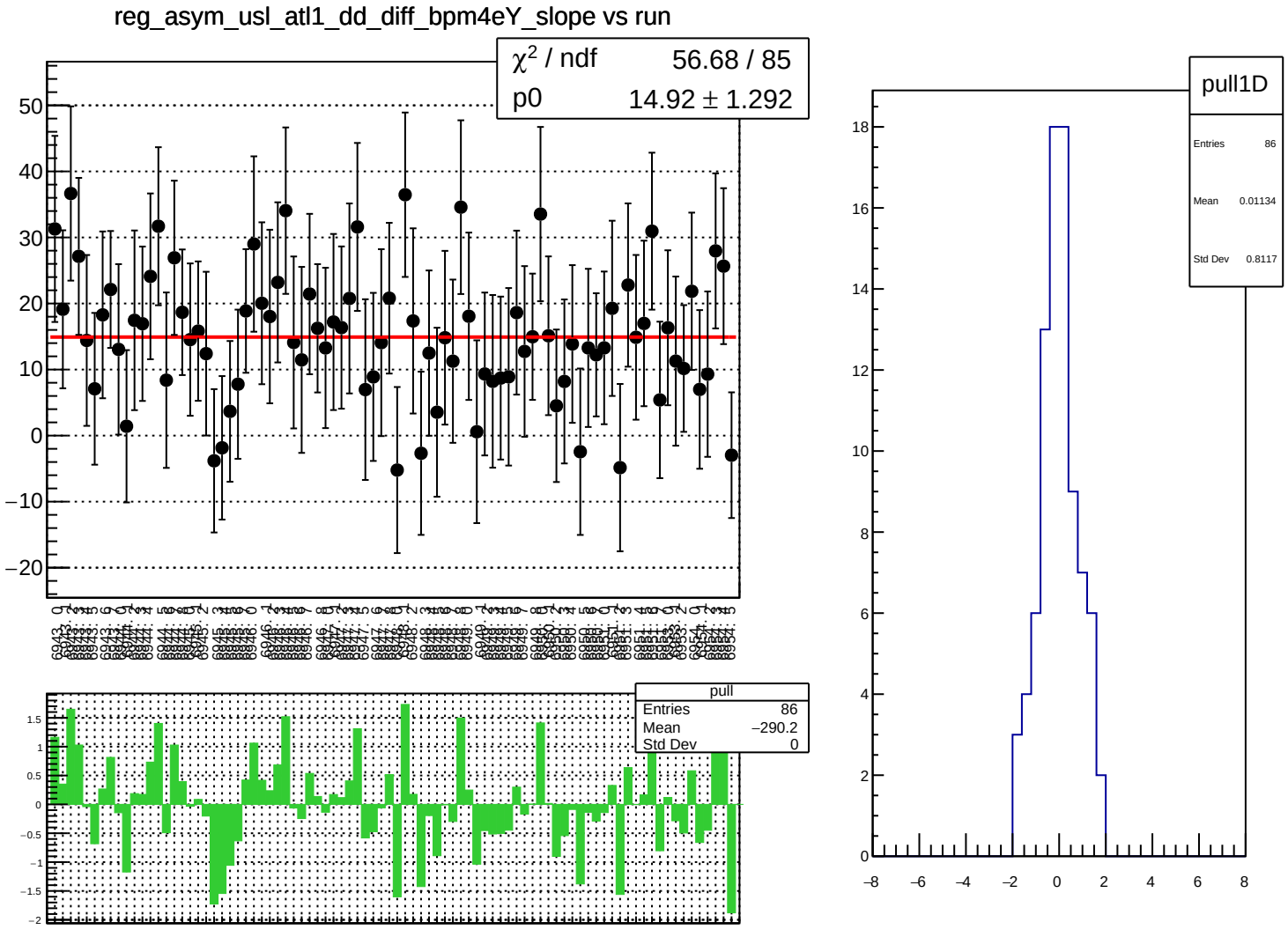

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 60.47 / 85
p0 −27.77 ± 1.615
pull
Entries 86
Mean −227.3
Std Dev 0

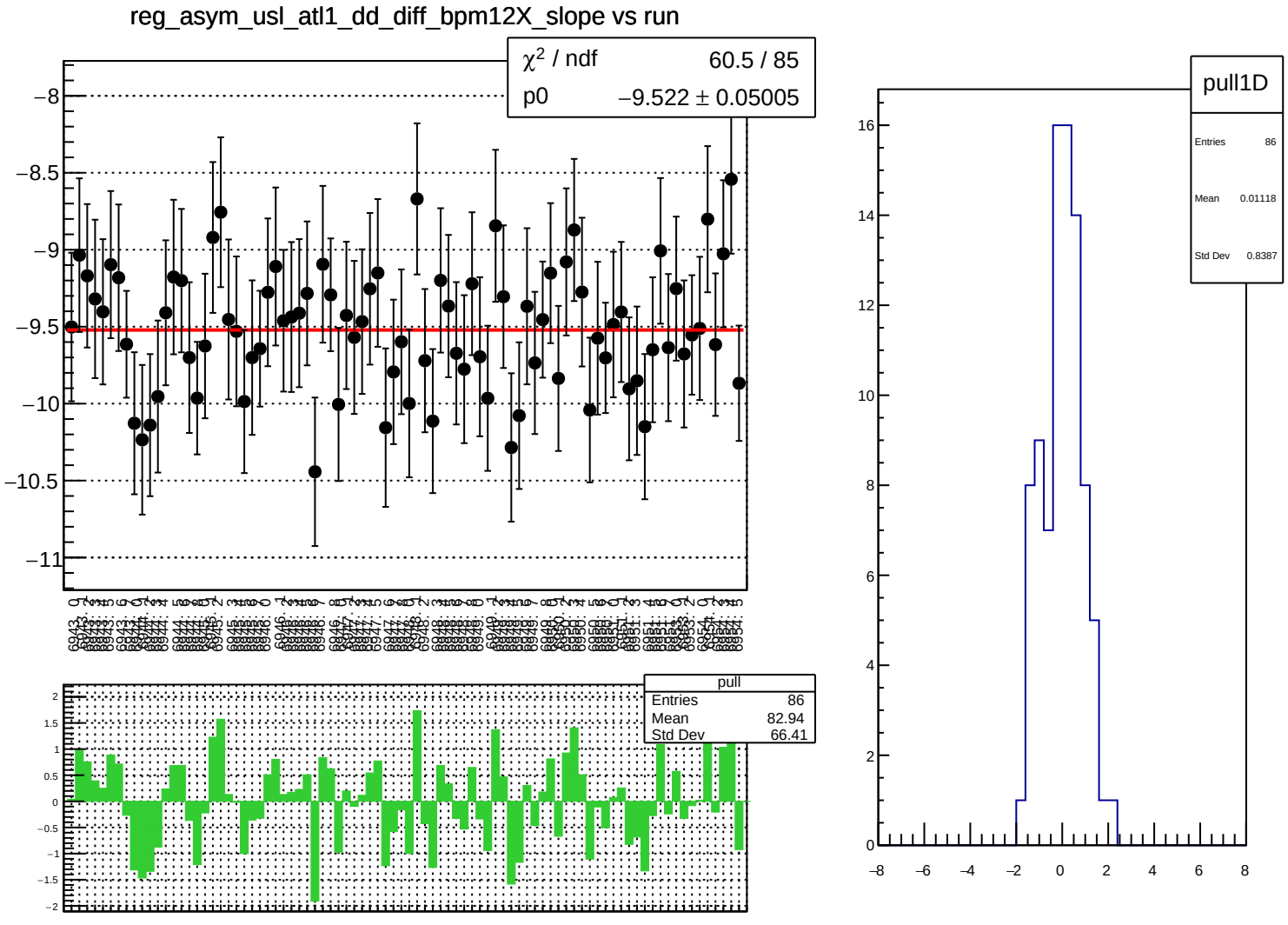

pull1D
Entries 86
Mean 0.0124
Std Dev 0.8385

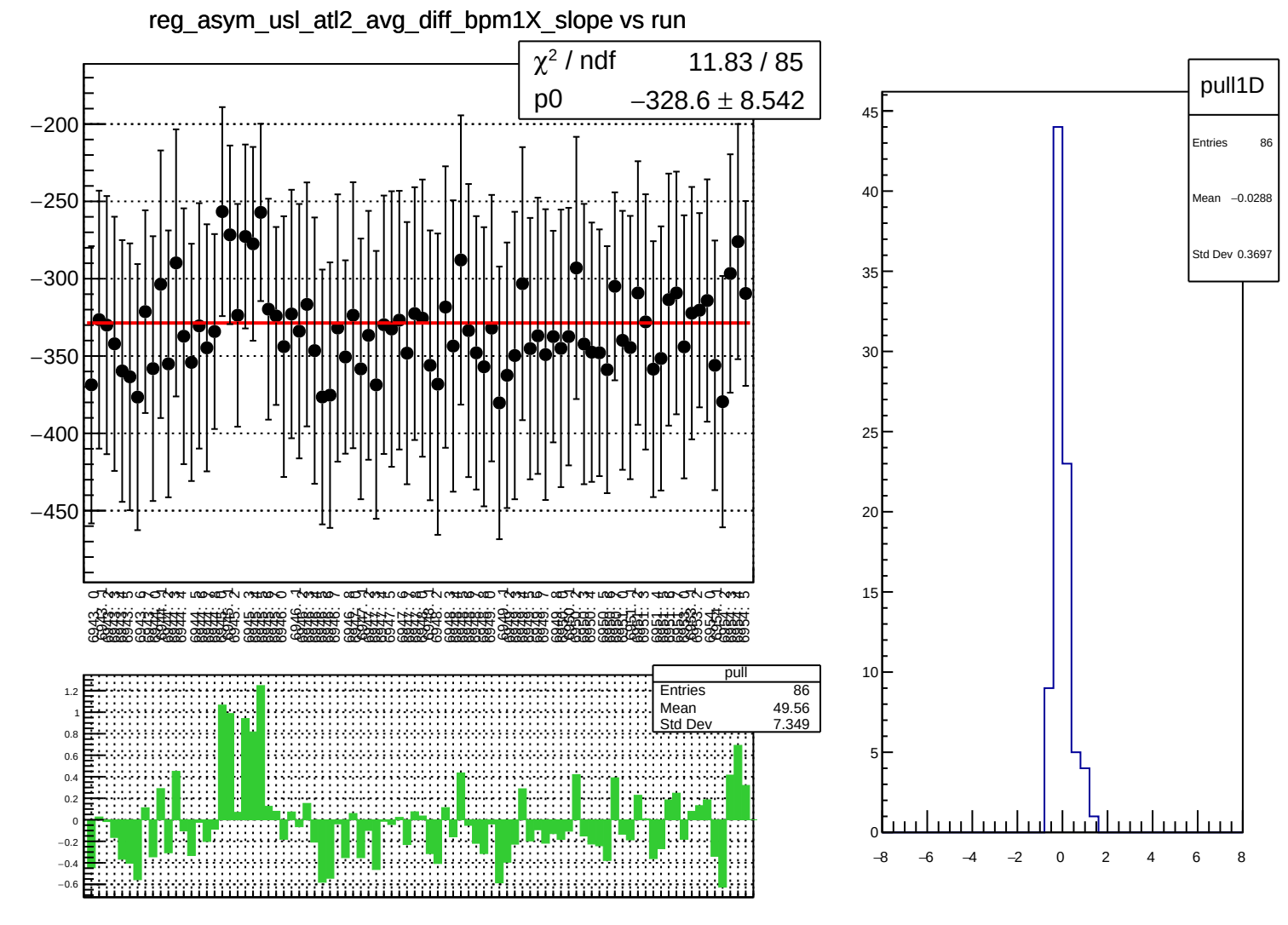

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.52 / 85
p0 −2.51 ± 1.126
pull
Entries 86
Mean −180.2
Std Dev 0

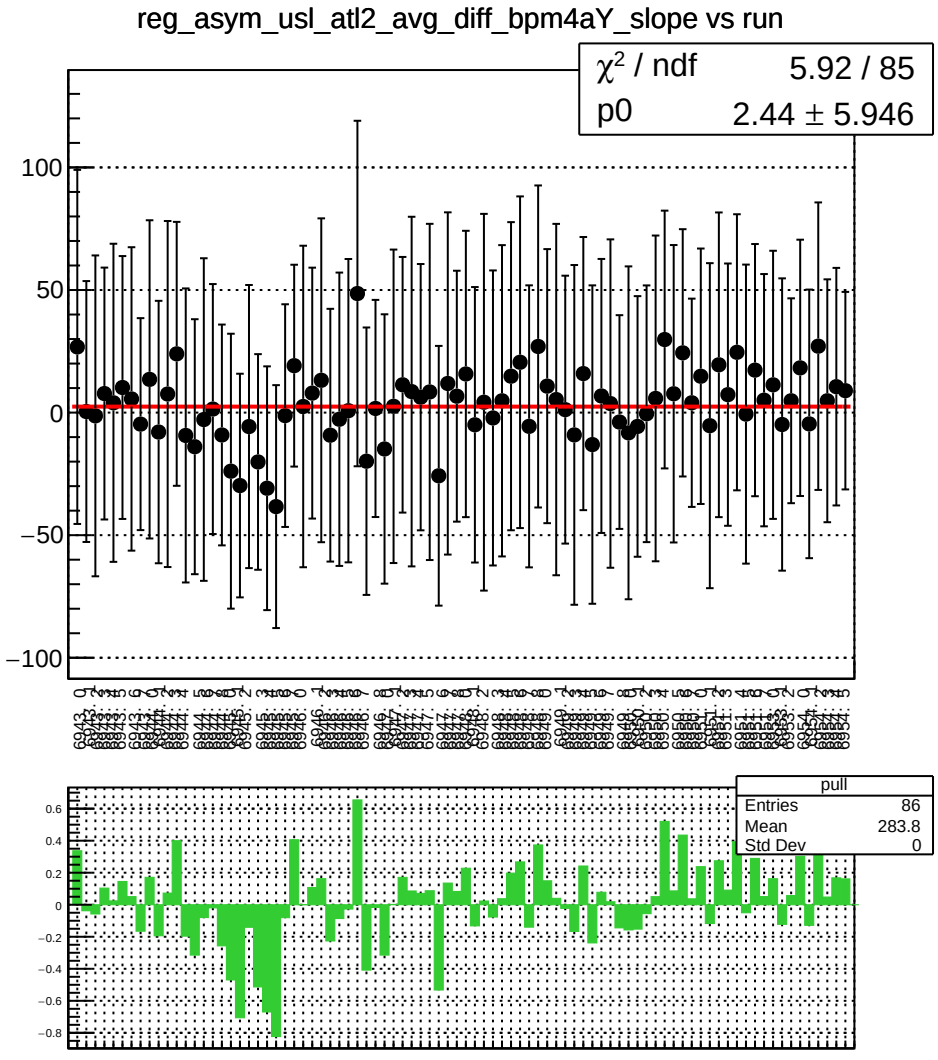

pull1D
Entries 86
Mean −0.01227
Std Dev 0.7961

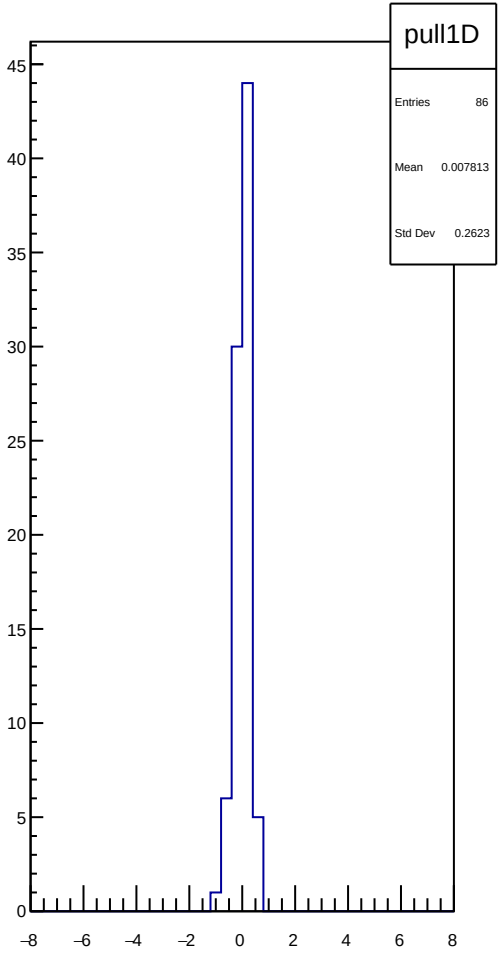

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.57 / 85
p0 −24.39 ± 1.504
pull
Entries 86
Mean −208.3
Std Dev 0
pull1D
Entries 86
Mean −0.0125
Std Dev 0.8322

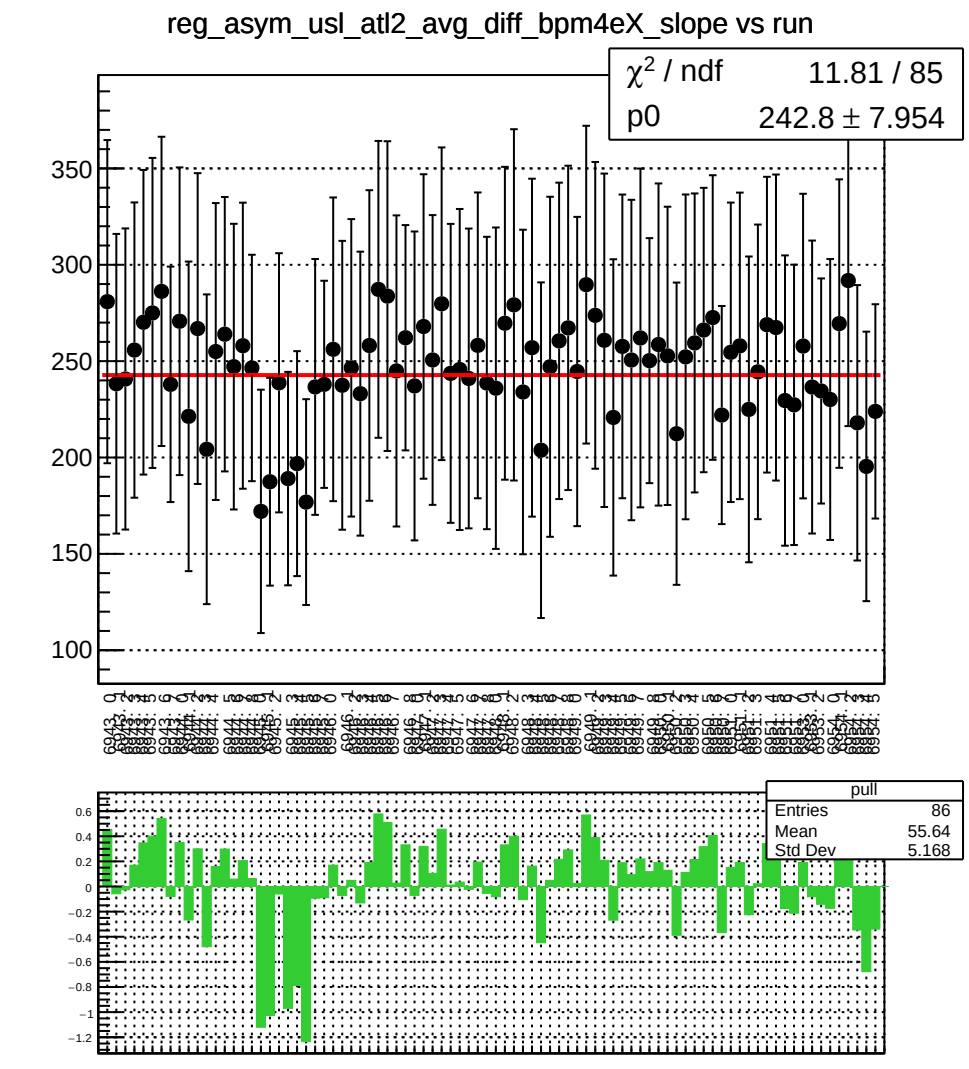

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.68 / 85
p0 14.92 ± 1.292
pull
Entries 86
Mean −290.2
Std Dev 0
pull1D
Entries 86
Mean 0.01134
Std Dev 0.8117

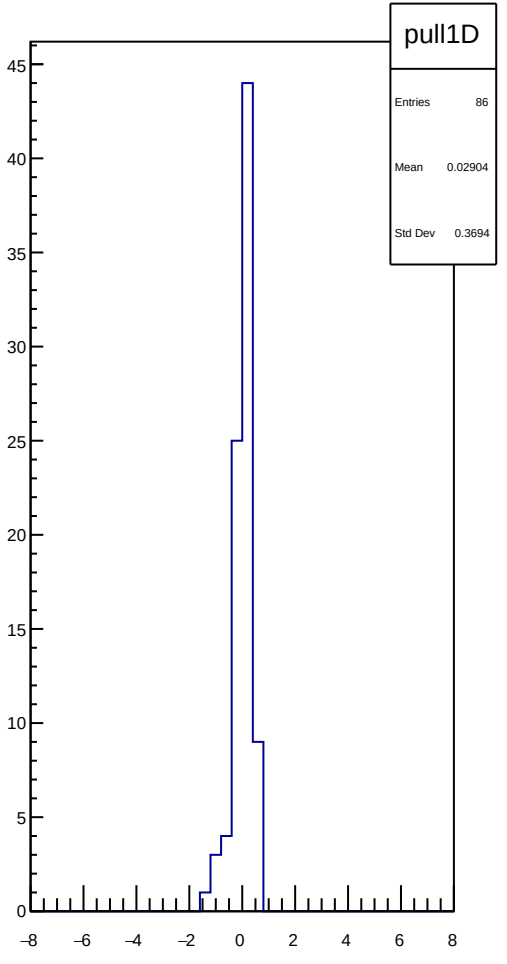

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 60.5 / 85
p0 −9.522 ± 0.05005
pull
Entries 86
Mean 82.94
Std Dev 66.41
pull1D
Entries 86
Mean 0.01118
Std Dev 0.8387

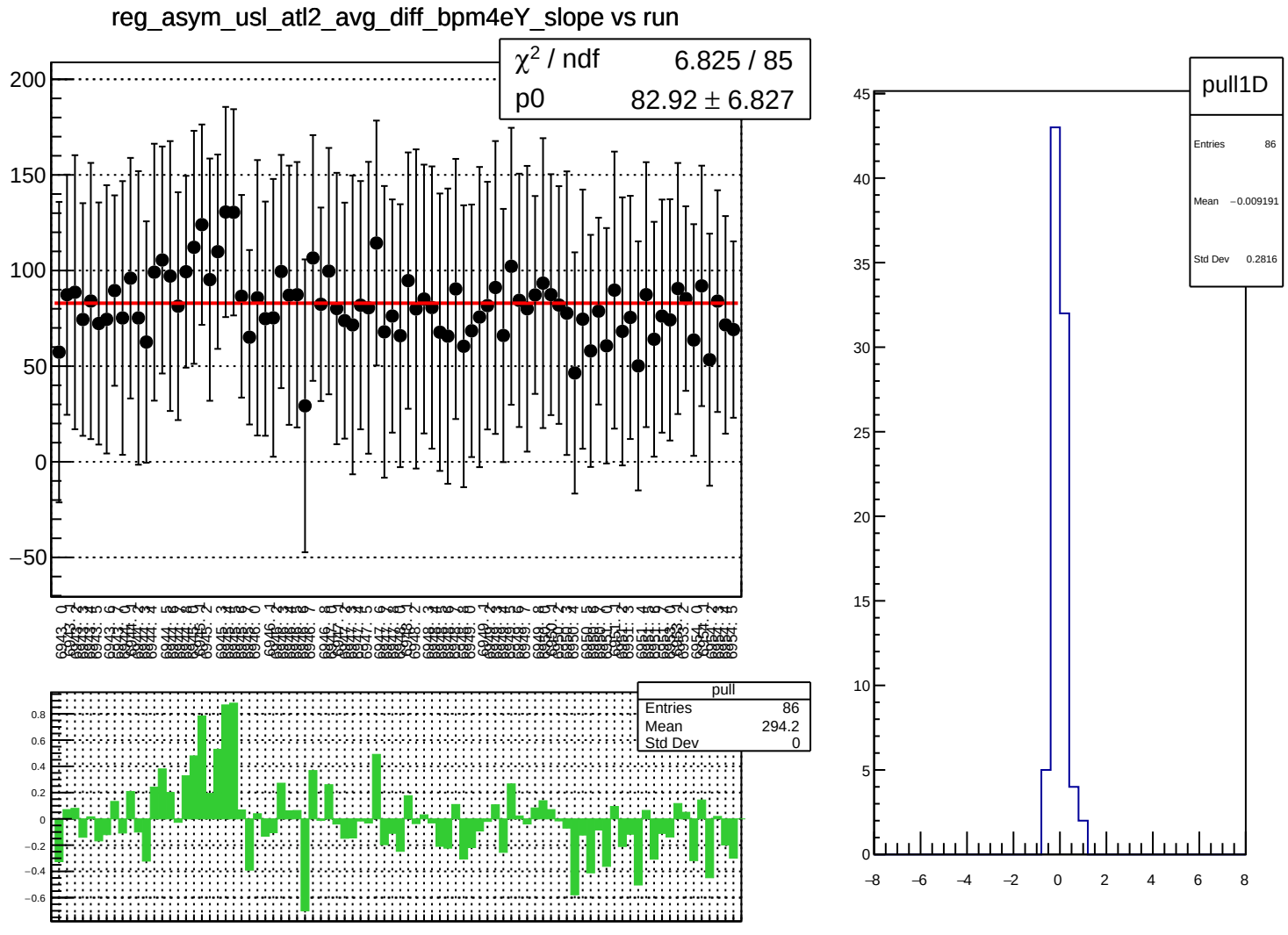

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 11.83 / 85
p0 −328.6 ± 8.542
−200
−250
−300
−350
−400
−450
pull
Entries 86
Mean 49.56
Std Dev 7.349
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.0288
Std Dev 0.3697
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

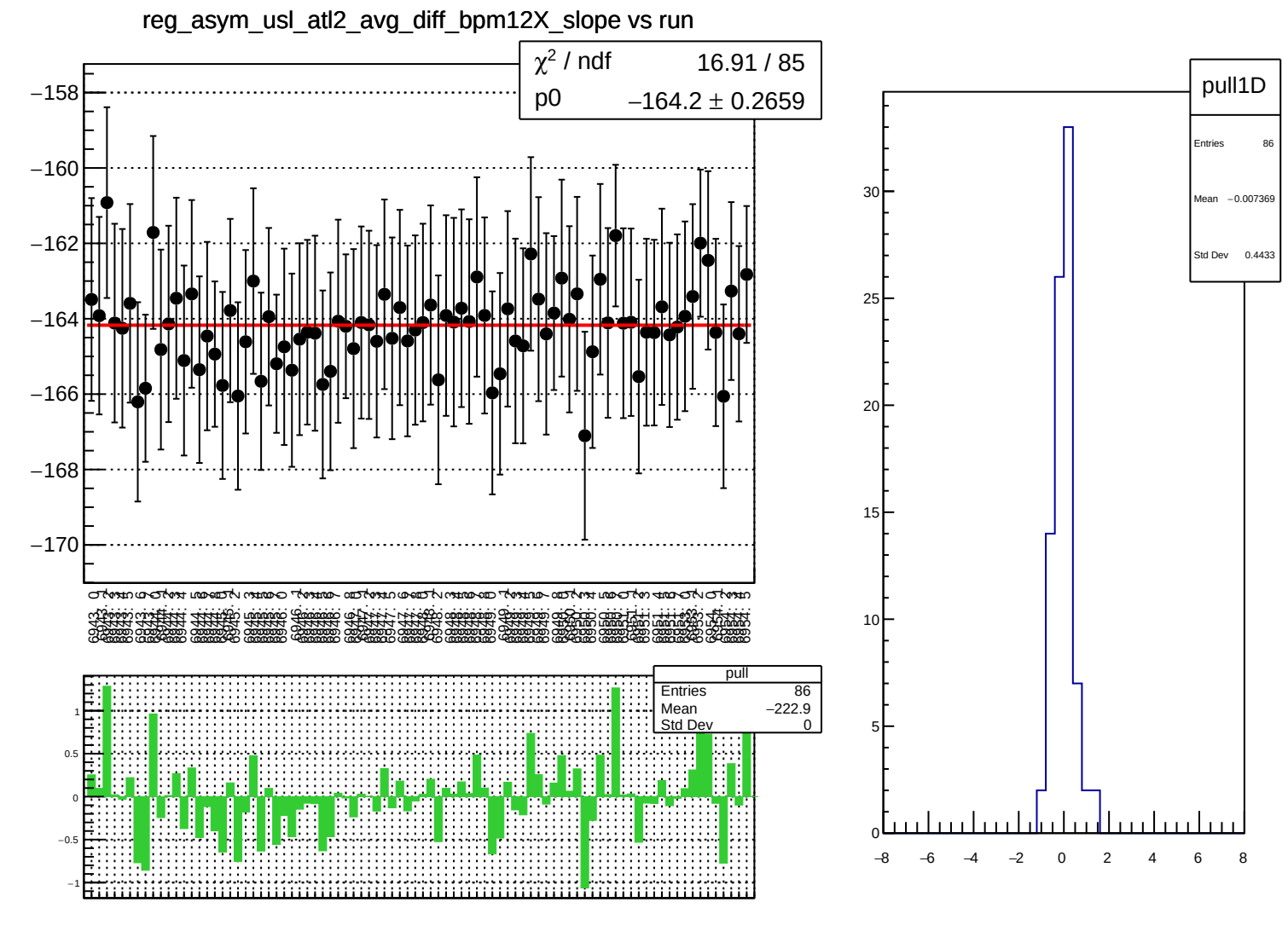

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.92 / 85
p0 2.44 ± 5.946
pull
Entries 86
Mean 283.8
Std Dev 0

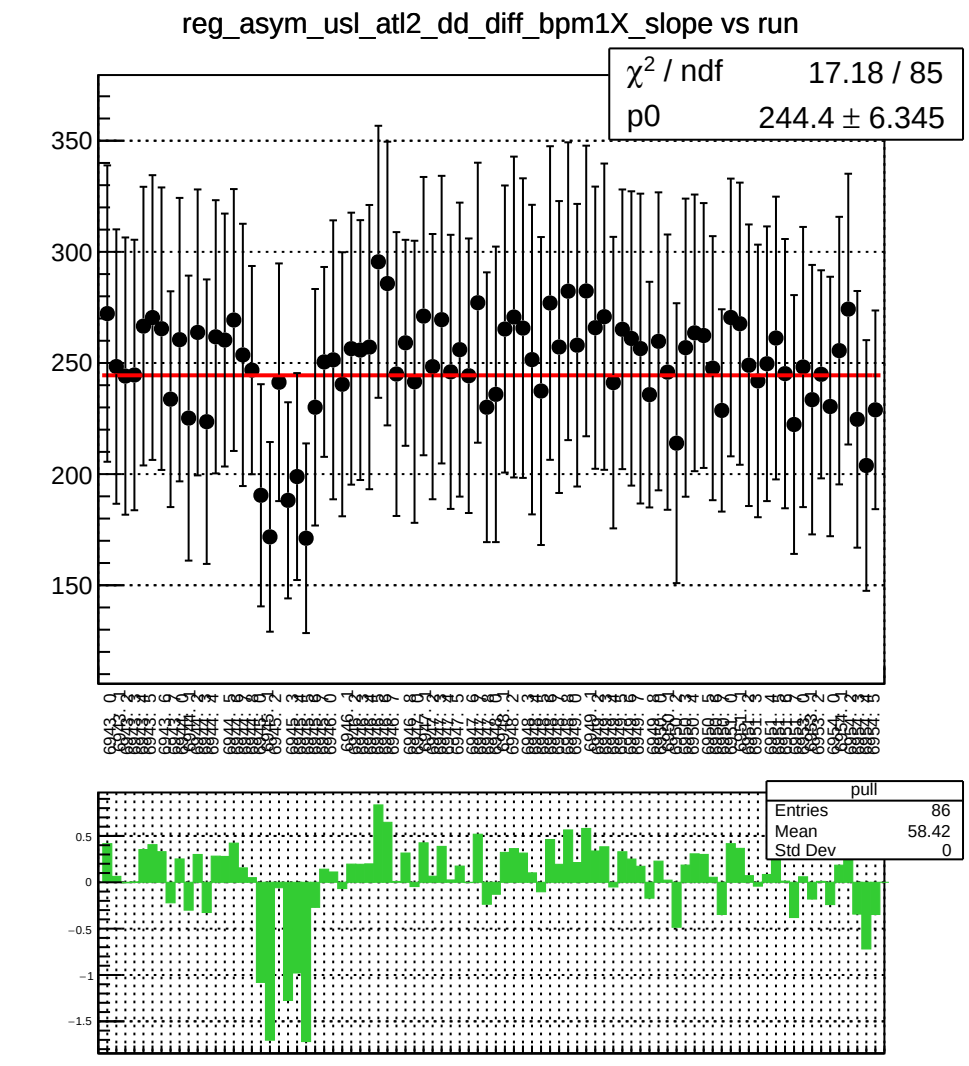

pull1D
Entries 86
Mean 0.007813
Std Dev 0.2623

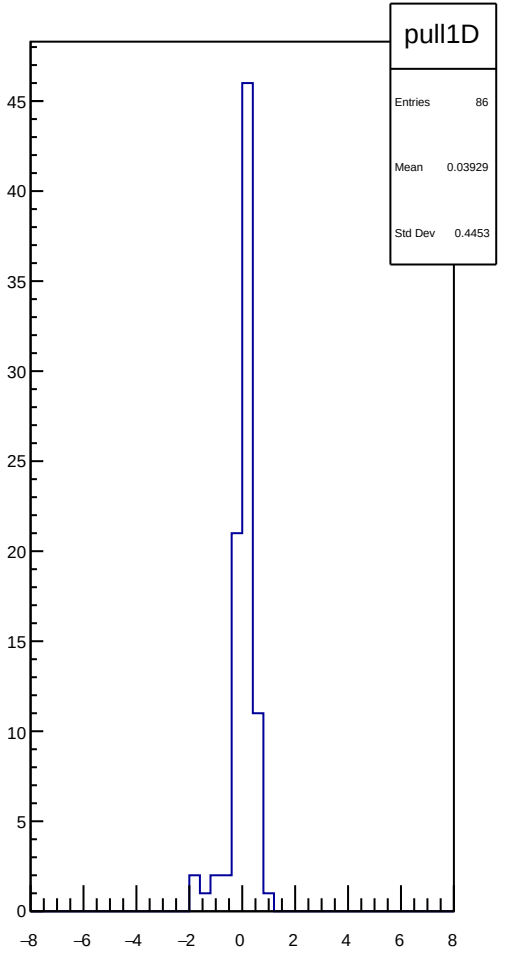

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.81 / 85
p0 242.8 ± 7.954
350
300
250
200
150
100
pull
Entries 86
Mean 55.64
Std Dev 5.168
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

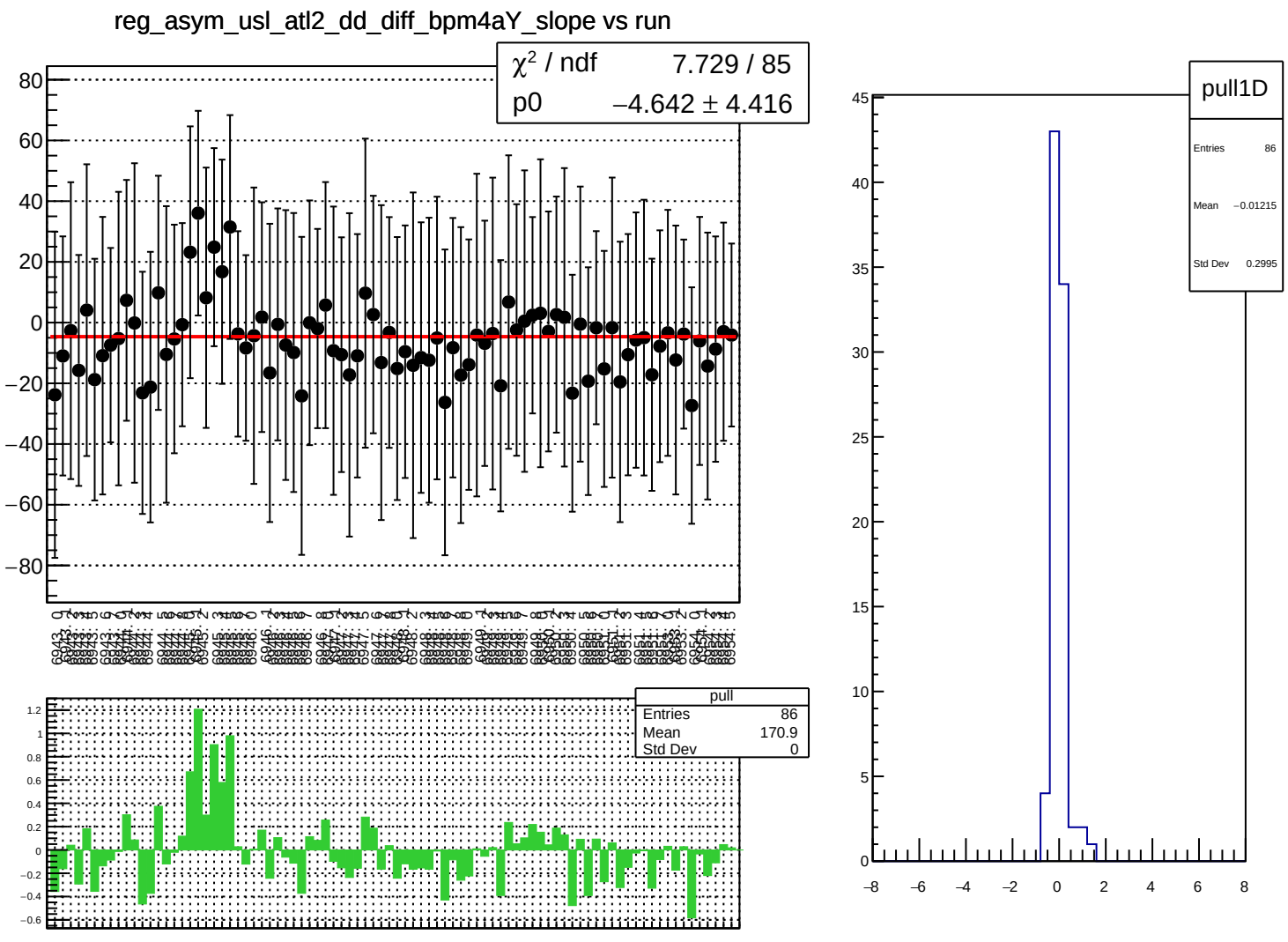

pull1D
Entries 86
Mean 0.02904
Std Dev 0.3694
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

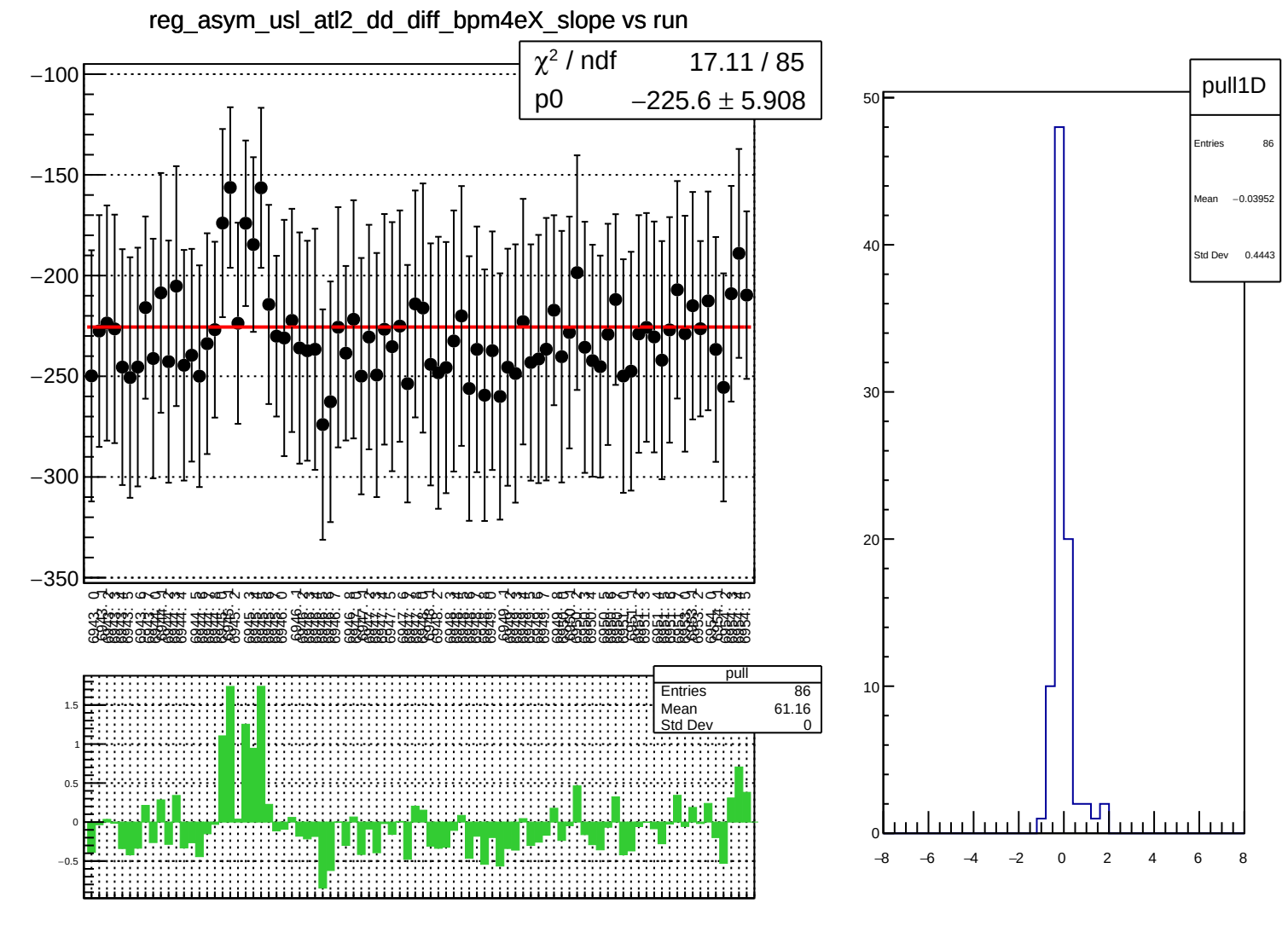

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.825 / 85
p0 82.92 ± 6.827
pull
Entries 86
Mean 294.2
Std Dev 0
pull1D
Entries 86
Mean −0.009191
Std Dev 0.2816

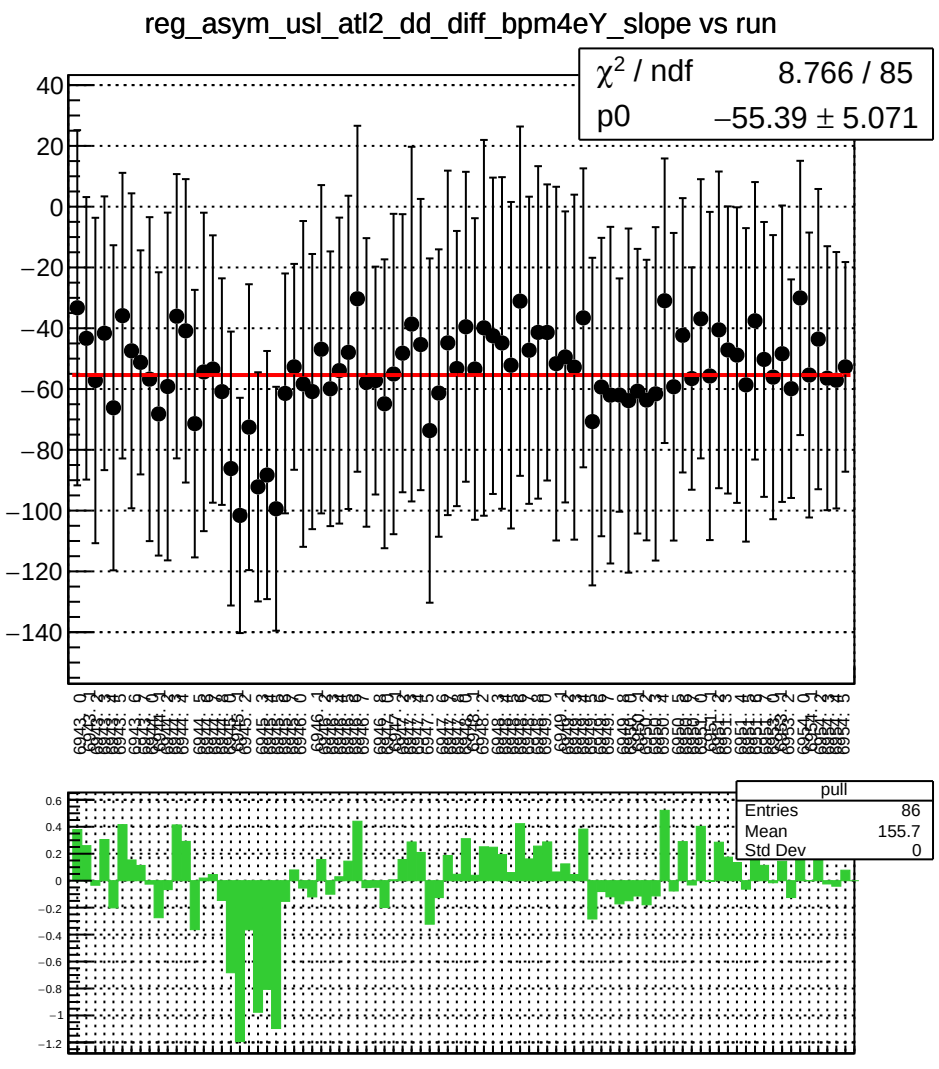

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.91 / 85
p0 −164.2 ± 0.2659
−158
−160
−162
−164
−166
−168
−170
pull
Entries 86
Mean −222.9
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.007369
Std Dev 0.4433
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

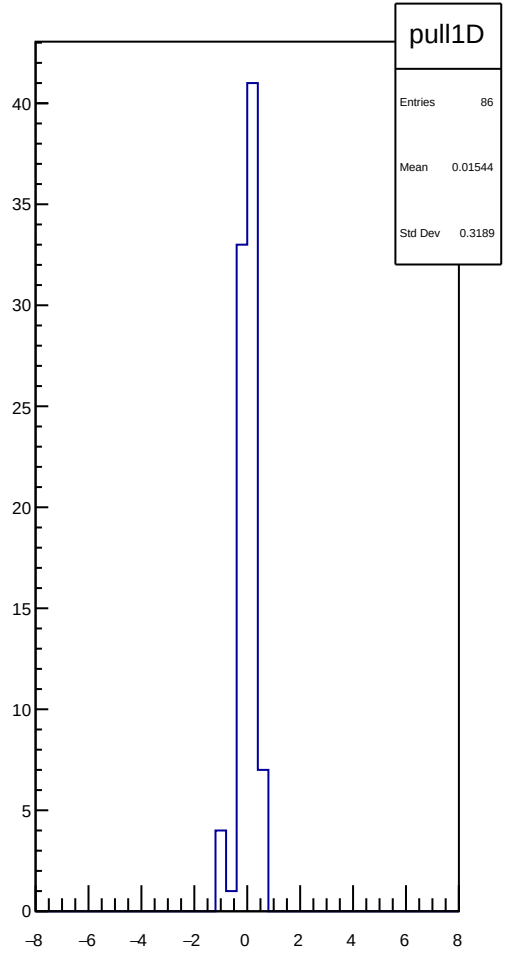

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 17.18 / 85
p0 244.4 ± 6.345
350
300
250
200
150
pull
Entries 86
Mean 58.42
Std Dev 0
0.5
0
−0.5
−1
−1.5

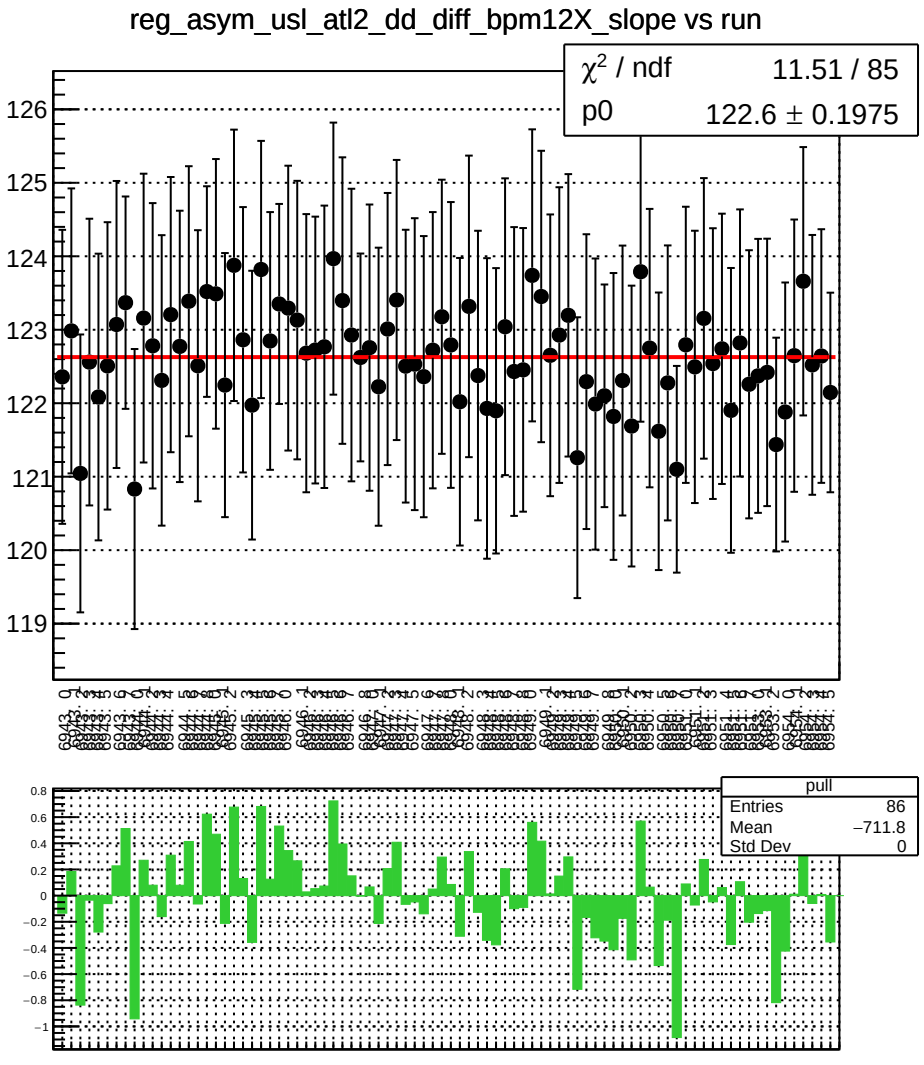

pull1D
Entries 86
Mean 0.03929
Std Dev 0.4453
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

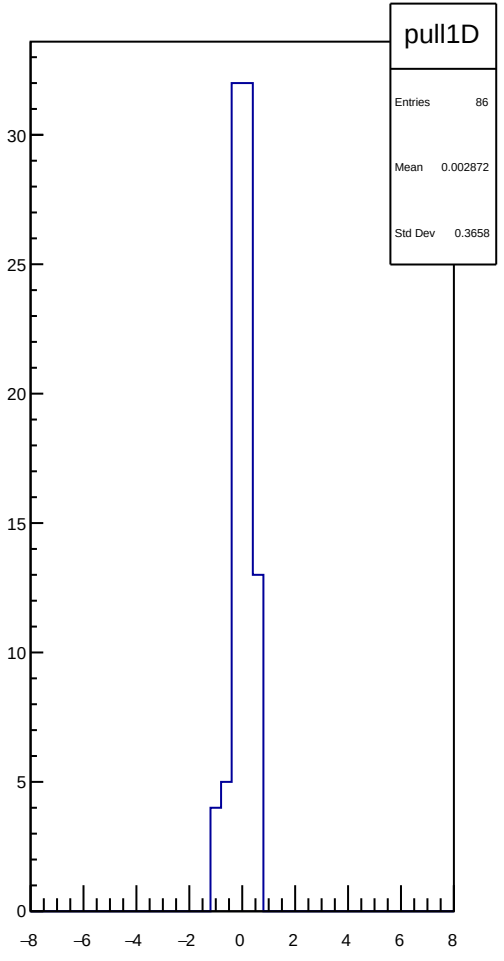

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.729 / 85
p0 −4.642 ± 4.416
pull
Entries 86
Mean 170.9
Std Dev 0
pull1D
Entries 86
Mean −0.01215
Std Dev 0.2995

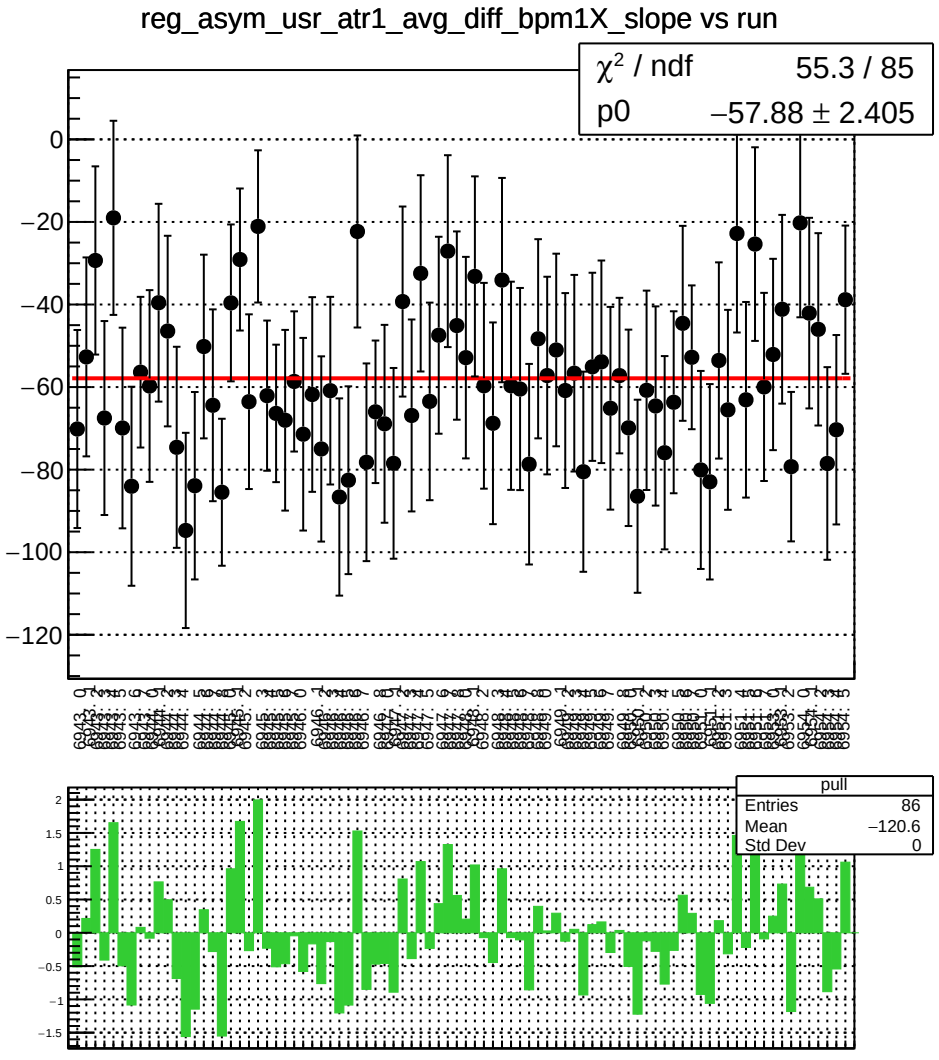

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.11 / 85
p0 −225.6 ± 5.908
pull
Entries 86
Mean 61.16
Std Dev 0
pull1D
Entries 86
Mean −0.03952
Std Dev 0.4443

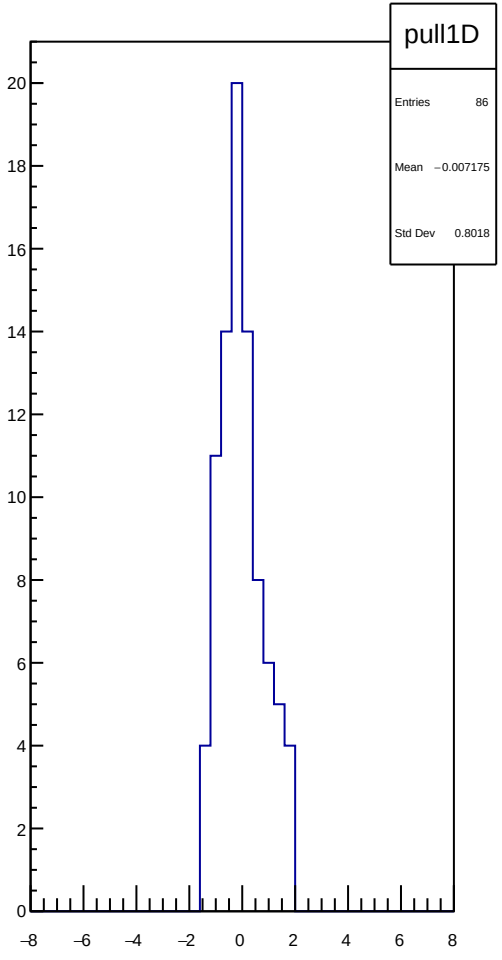

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.766 / 85
p0 −55.39 ± 5.071
pull
Entries 86
Mean 155.7
Std Dev 0

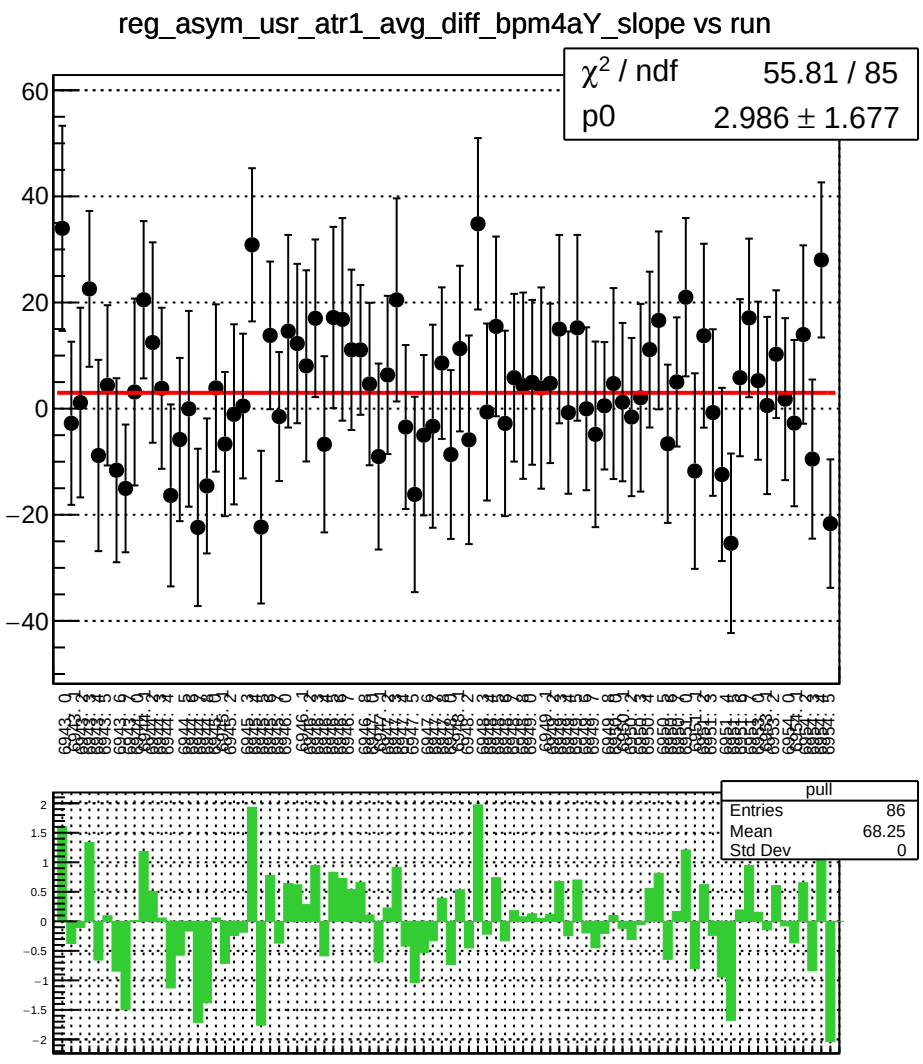

pull1D
Entries 86
Mean 0.01544
Std Dev 0.3189

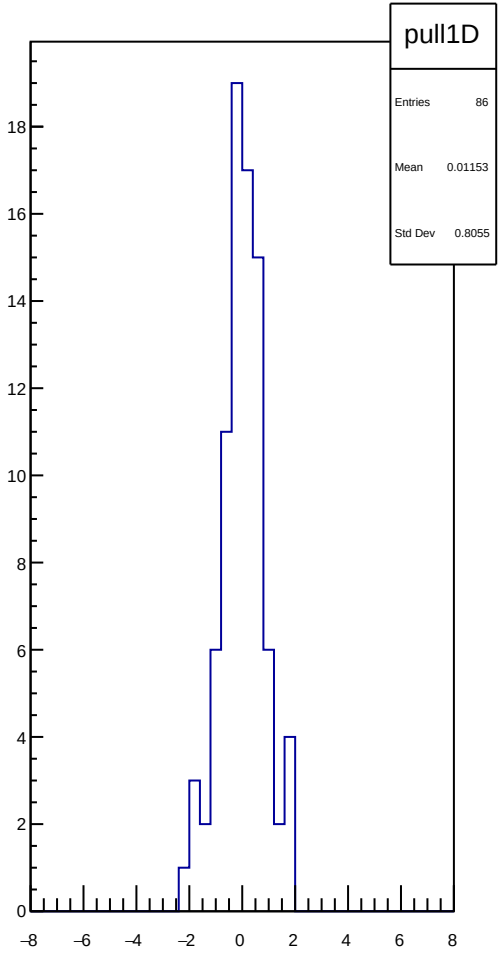

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.51 / 85
p0 122.6 ± 0.1975
pull
Entries 86
Mean −711.8
Std Dev 0

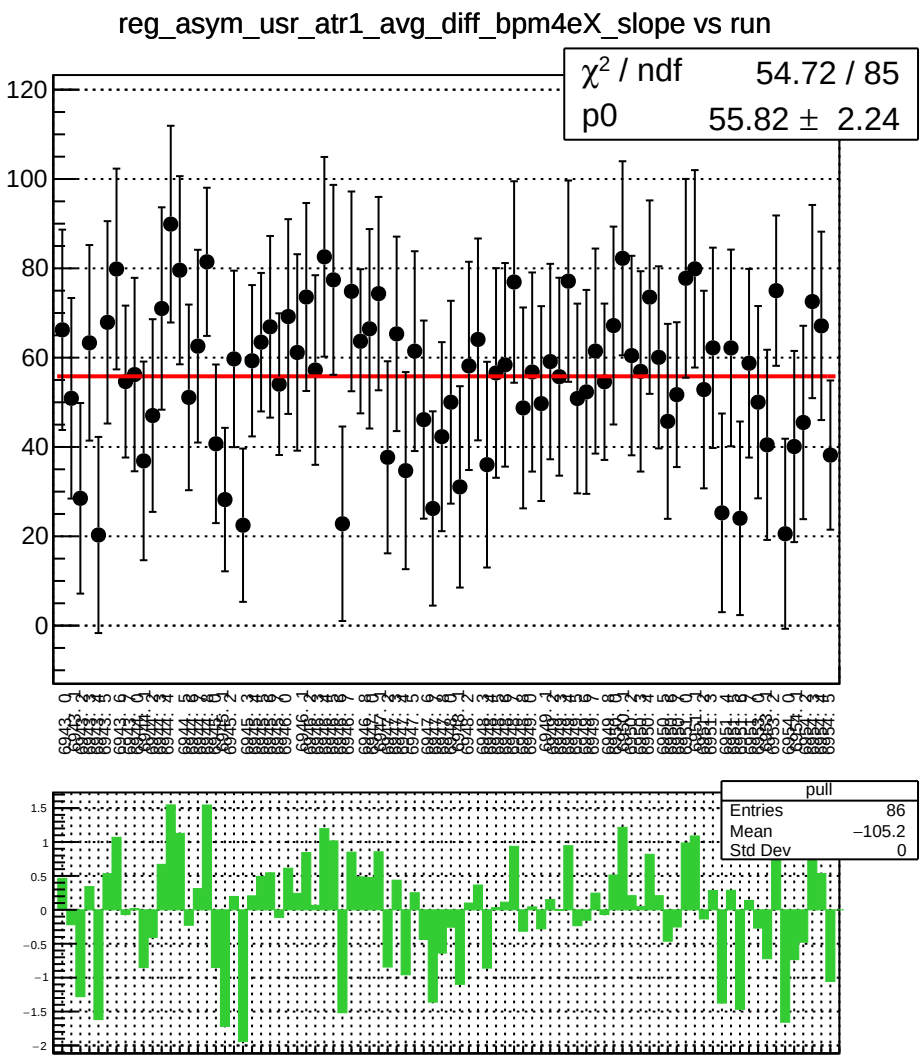

pull1D
Entries 86
Mean 0.002872
Std Dev 0.3658

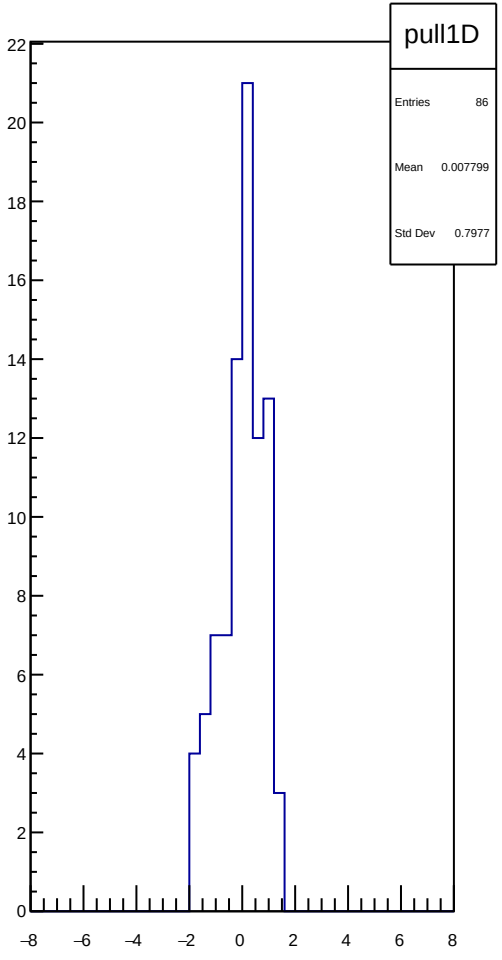

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 55.3 / 85
p0 −57.88 ± 2.405
pull
Entries 86
Mean −120.6
Std Dev 0

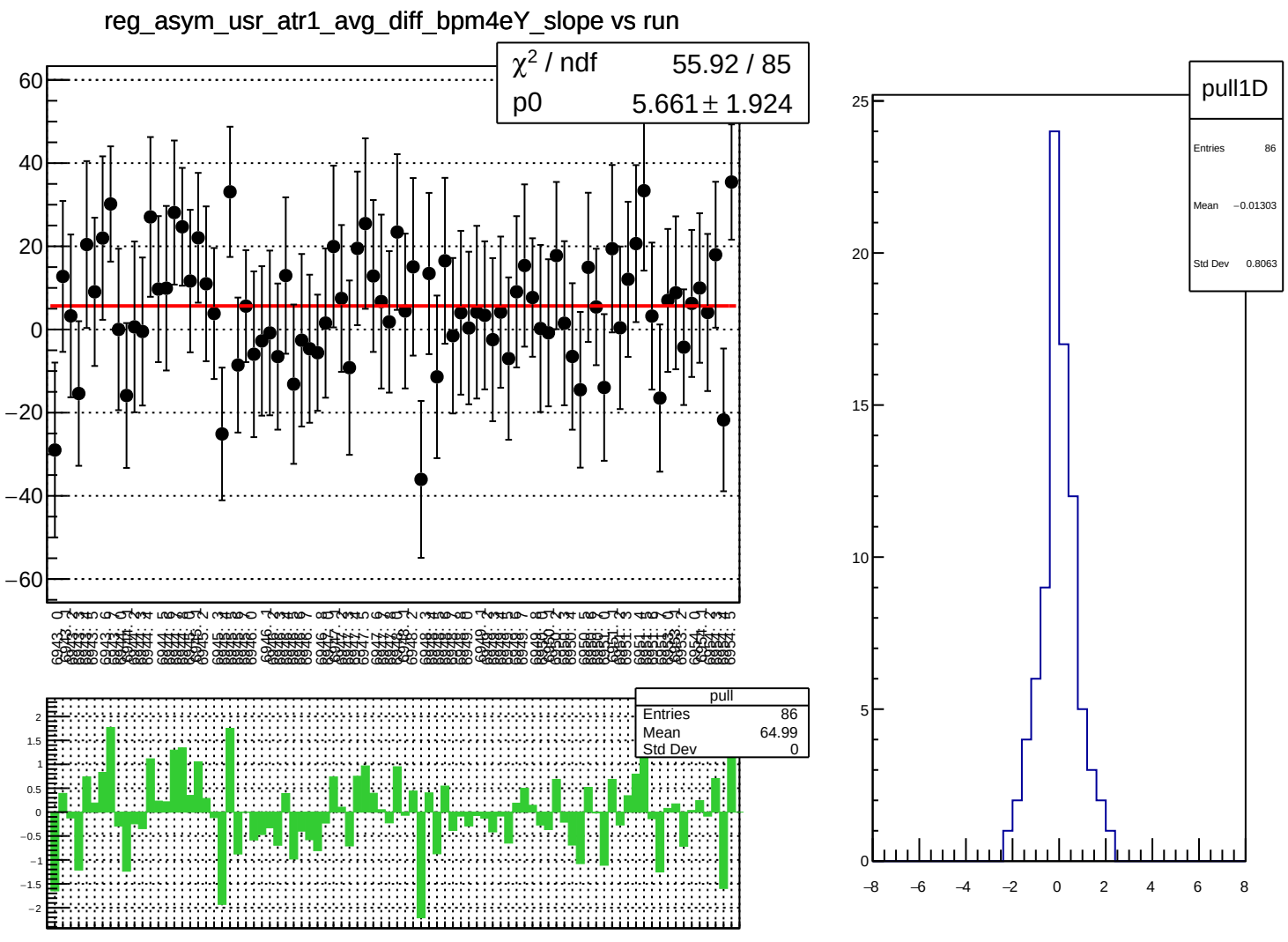

pull1D
Entries 86
Mean −0.007175
Std Dev 0.8018

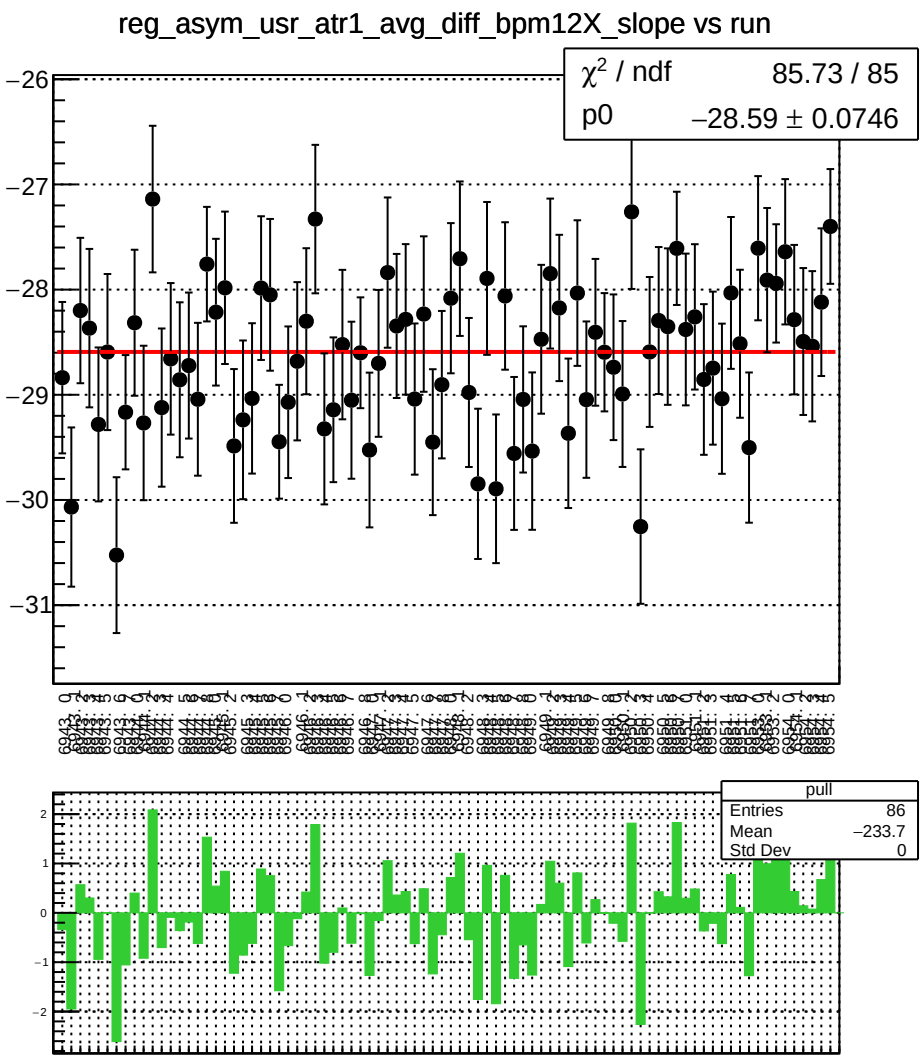

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.81 / 85
p0 2.986 ± 1.677
pull
Entries 86
Mean 68.25
Std Dev 0

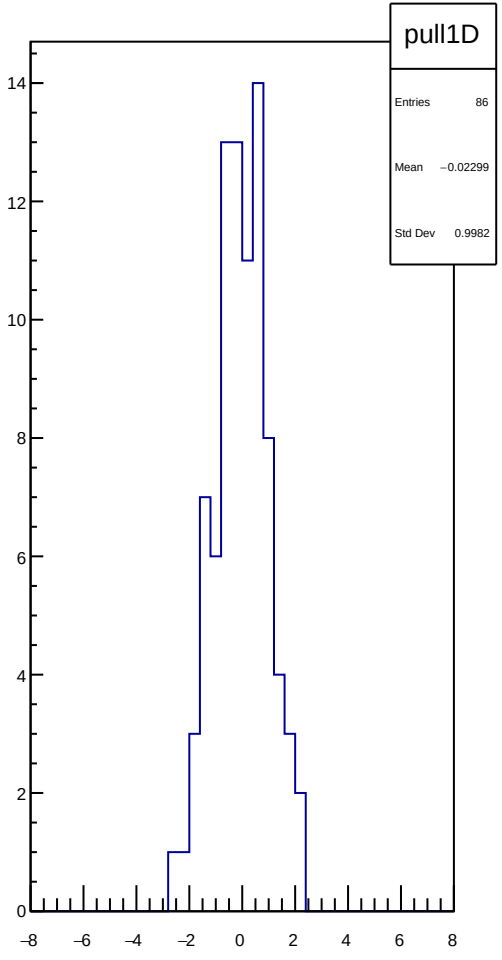

pull1D
Entries 86
Mean 0.01153
Std Dev 0.8055

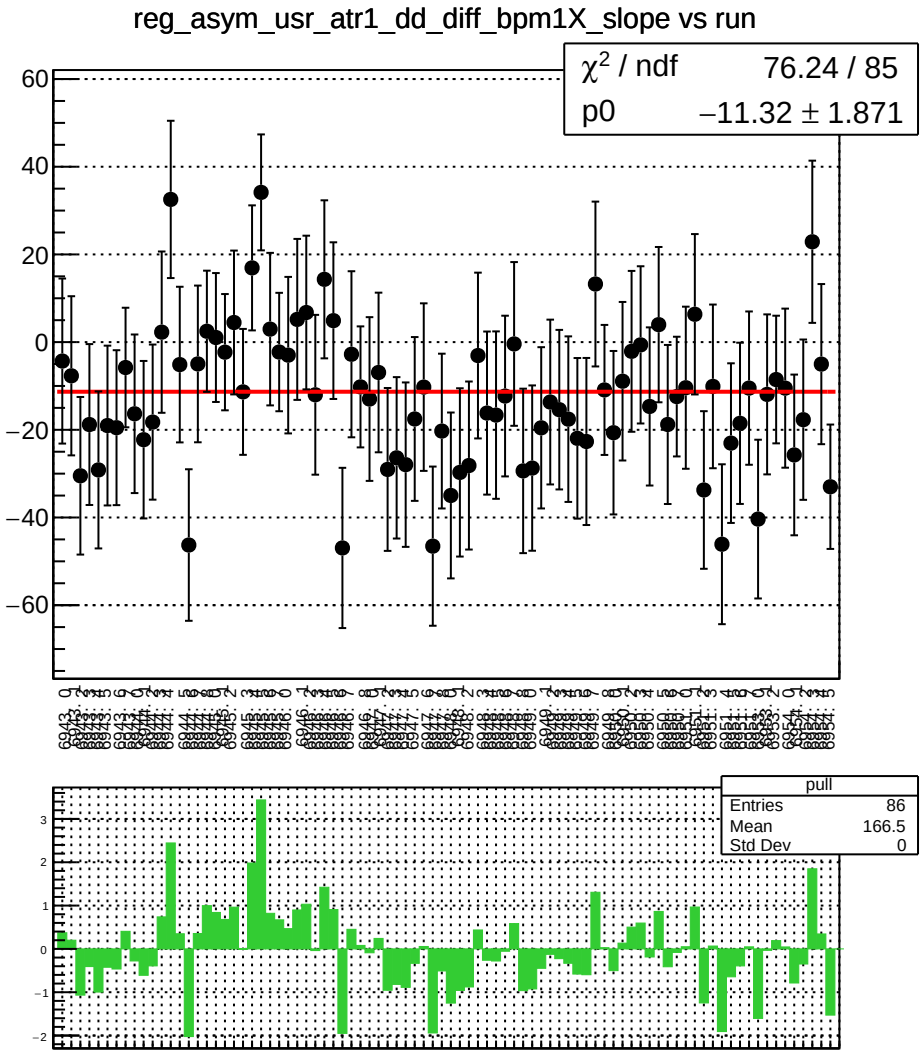

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.72 / 85
p0 55.82 ± 2.24
pull
Entries 86
Mean −105.2
Std Dev 0

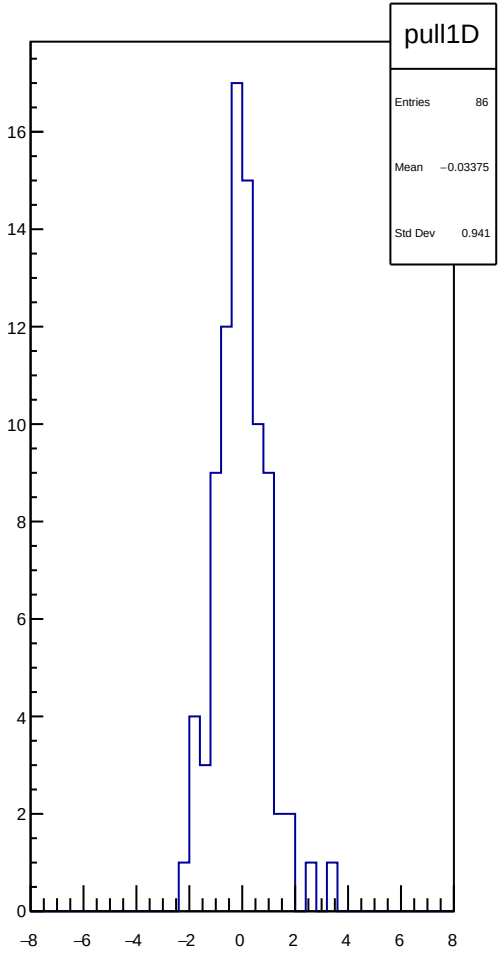

pull1D
Entries 86
Mean 0.007799
Std Dev 0.7977

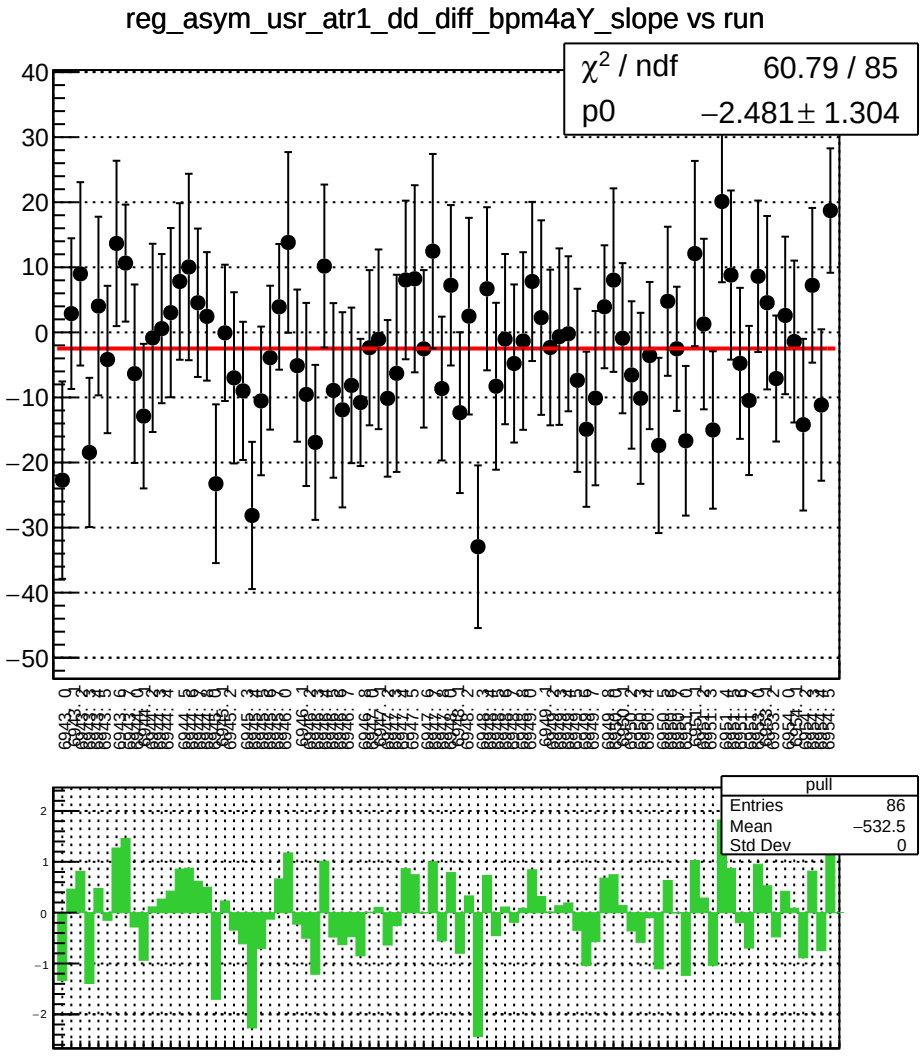

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.92 / 85
p0 5.661 ± 1.924
pull
Entries 86
Mean 64.99
Std Dev 0
pull1D
Entries 86
Mean −0.01303
Std Dev 0.8063

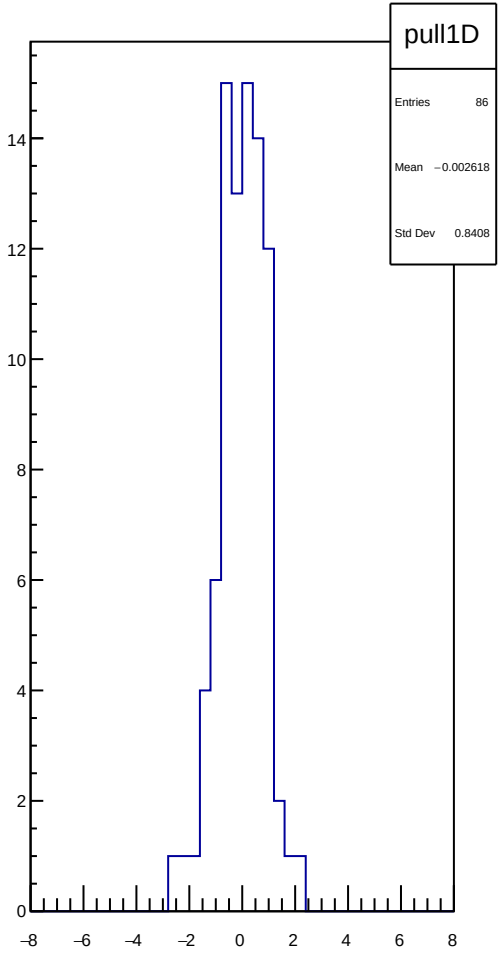

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 85.73 / 85
p0 −28.59 ± 0.0746
pull
Entries 86
Mean −233.7
Std Dev 0

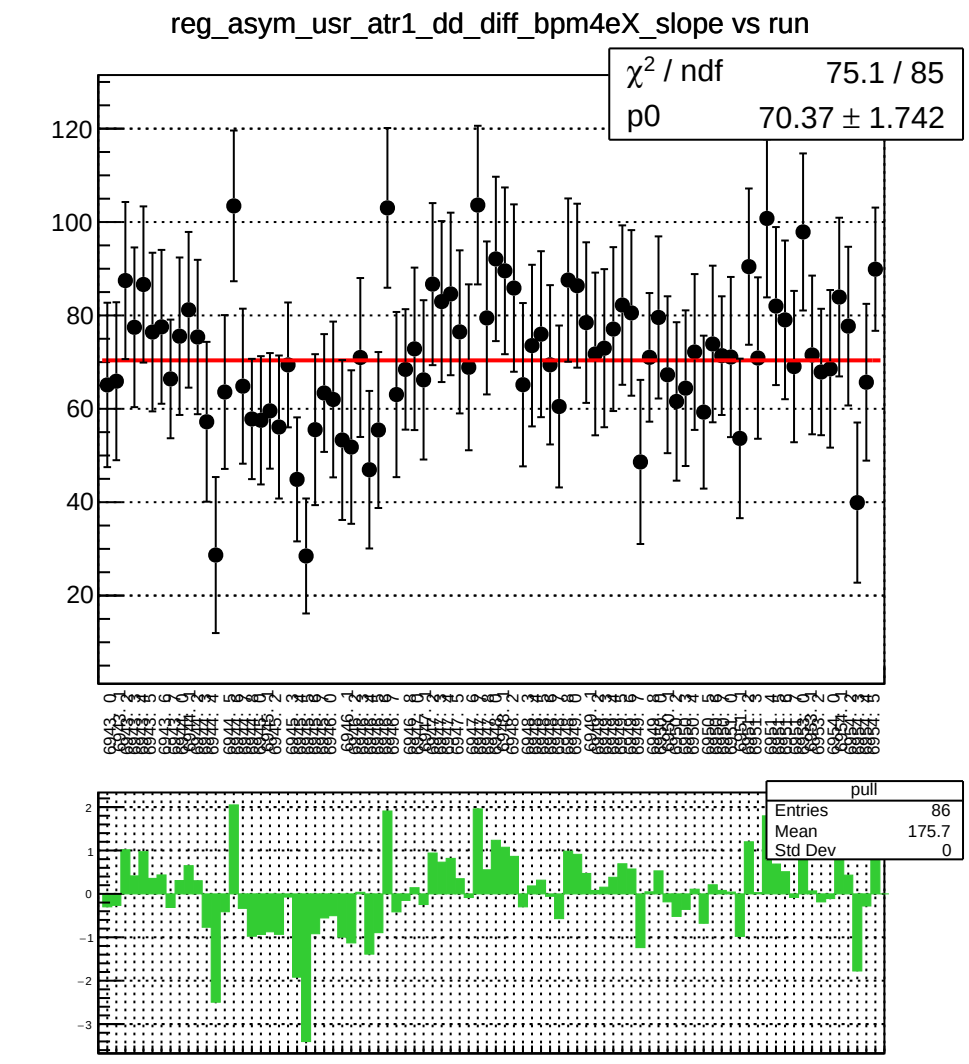

pull1D
Entries 86
Mean −0.02299
Std Dev 0.9982

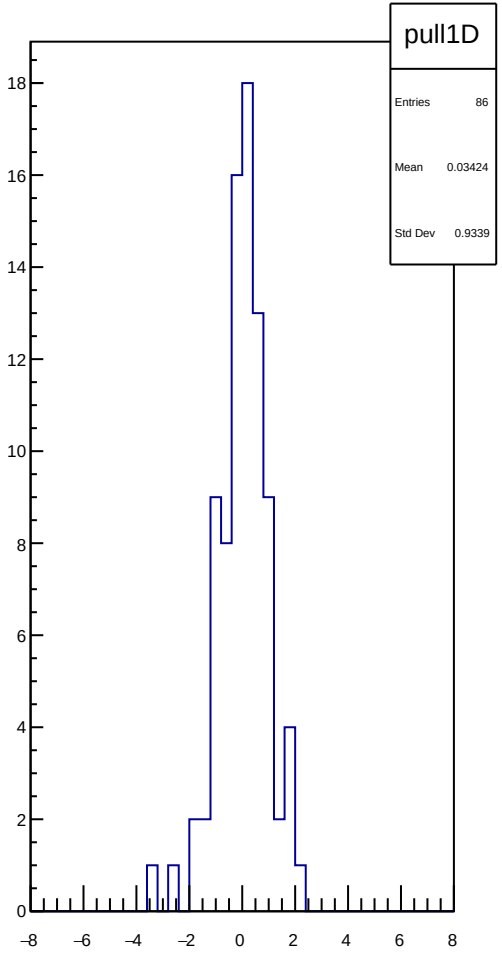

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 76.24 / 85
p0 −11.32 ± 1.871
pull
Entries 86
Mean 166.5
Std Dev 0

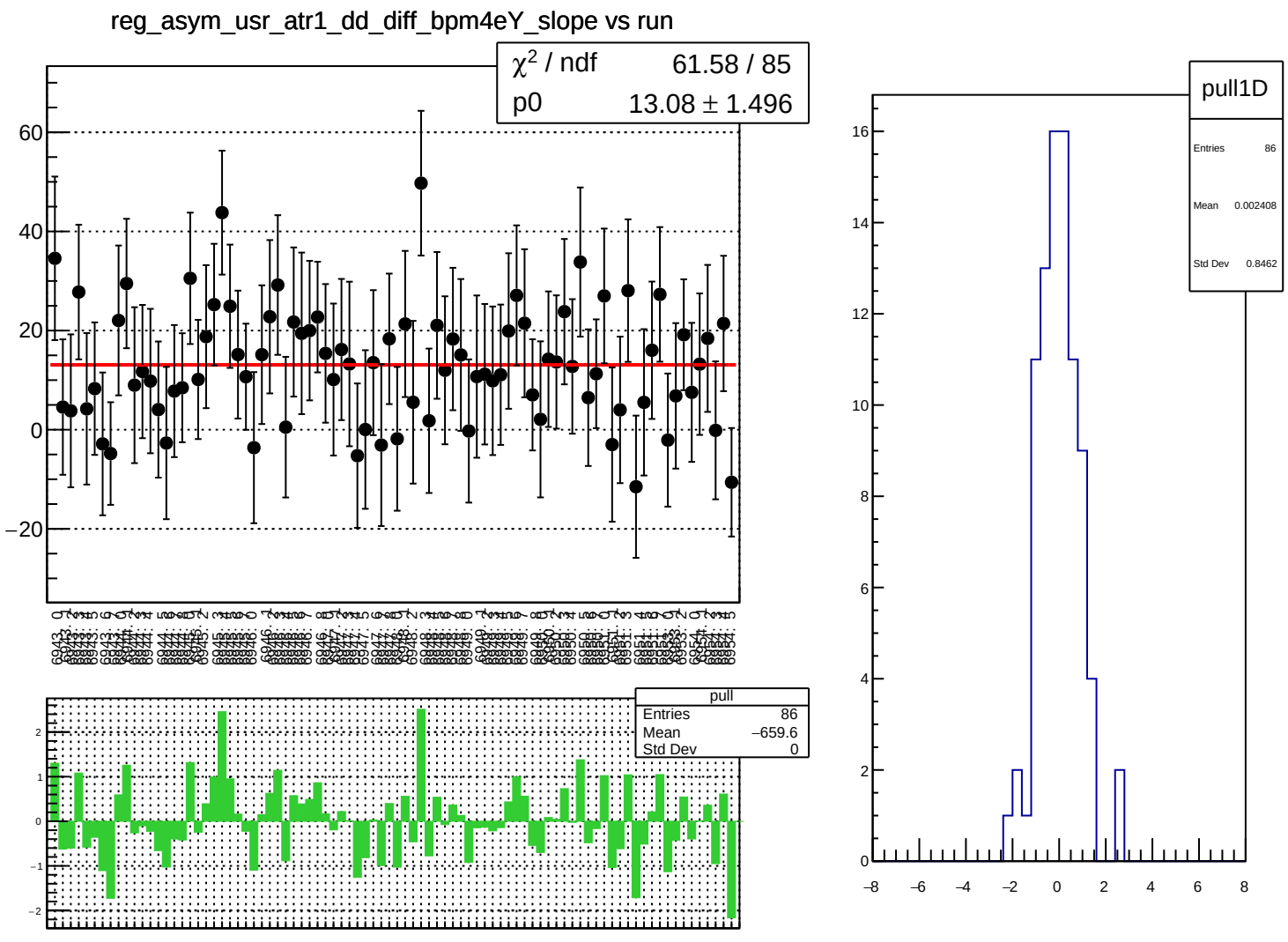

pull1D
Entries 86
Mean −0.03375
Std Dev 0.941

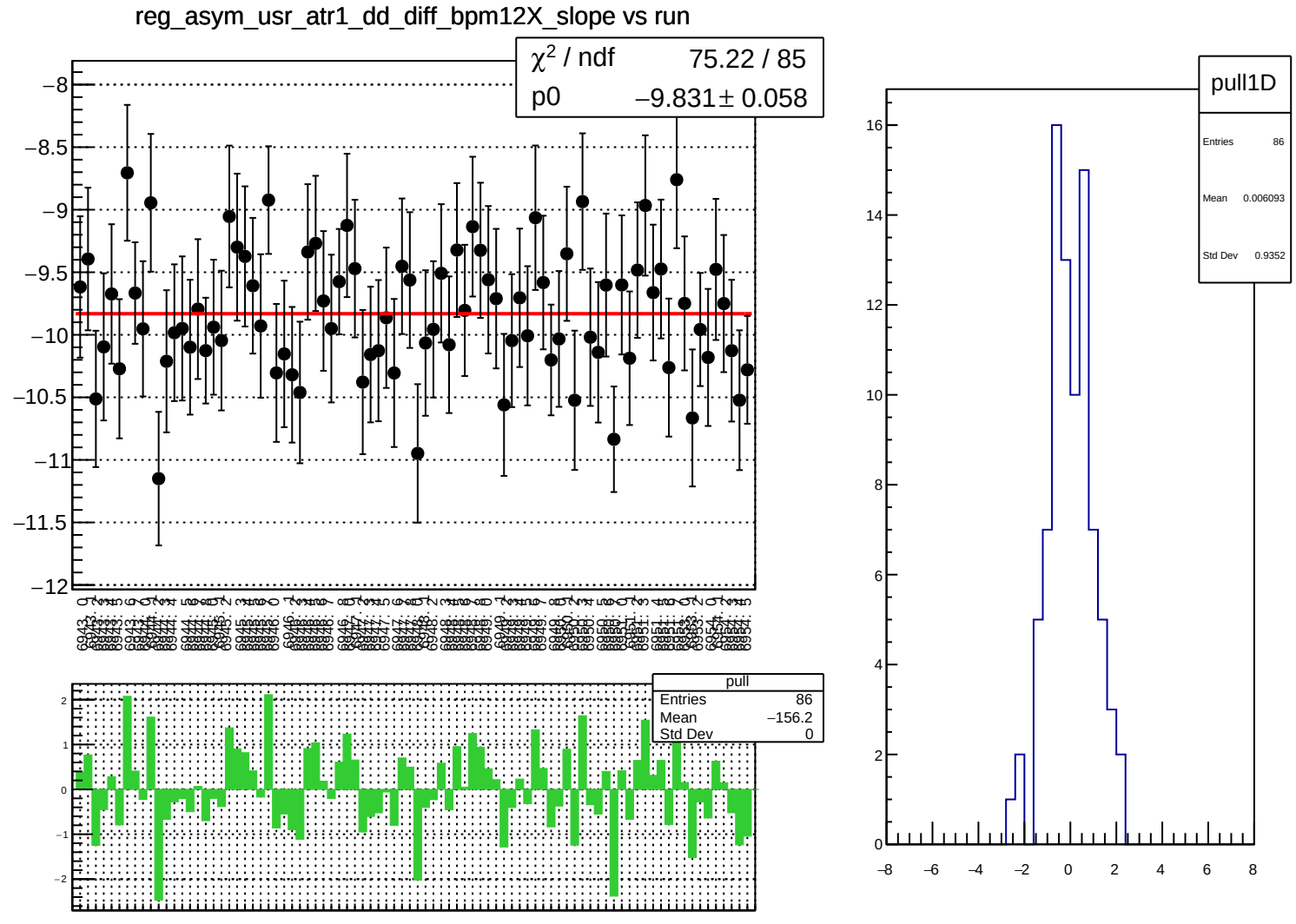

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.79 / 85
p0 −2.481 ± 1.304
pull
Entries 86
Mean −532.5
Std Dev 0

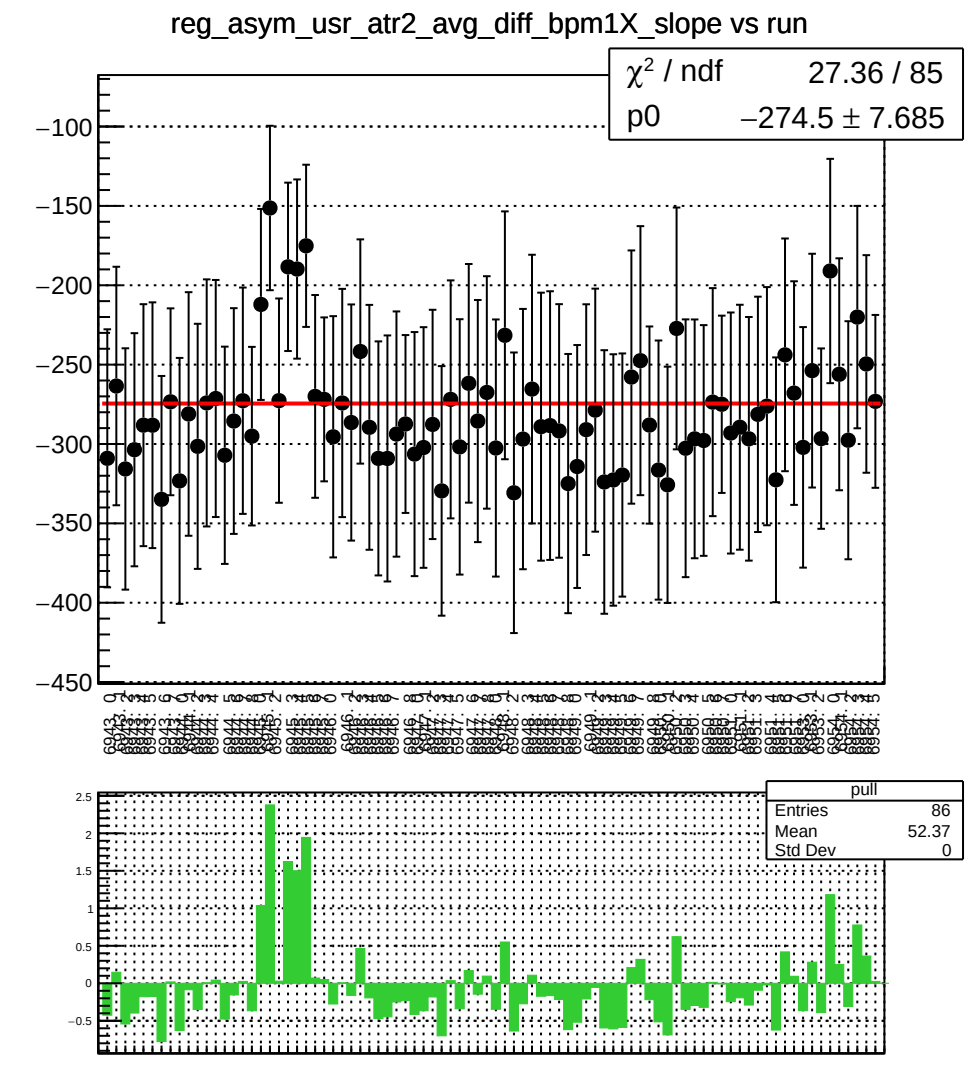

pull1D
Entries 86
Mean −0.002618
Std Dev 0.8408

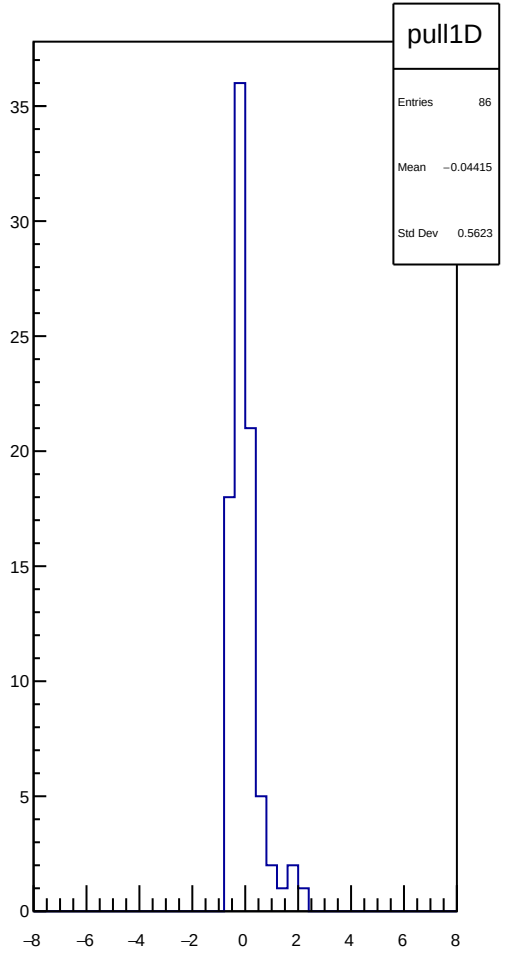

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.1 / 85
p0 70.37 ± 1.742
pull
Entries 86
Mean 175.7
Std Dev 0

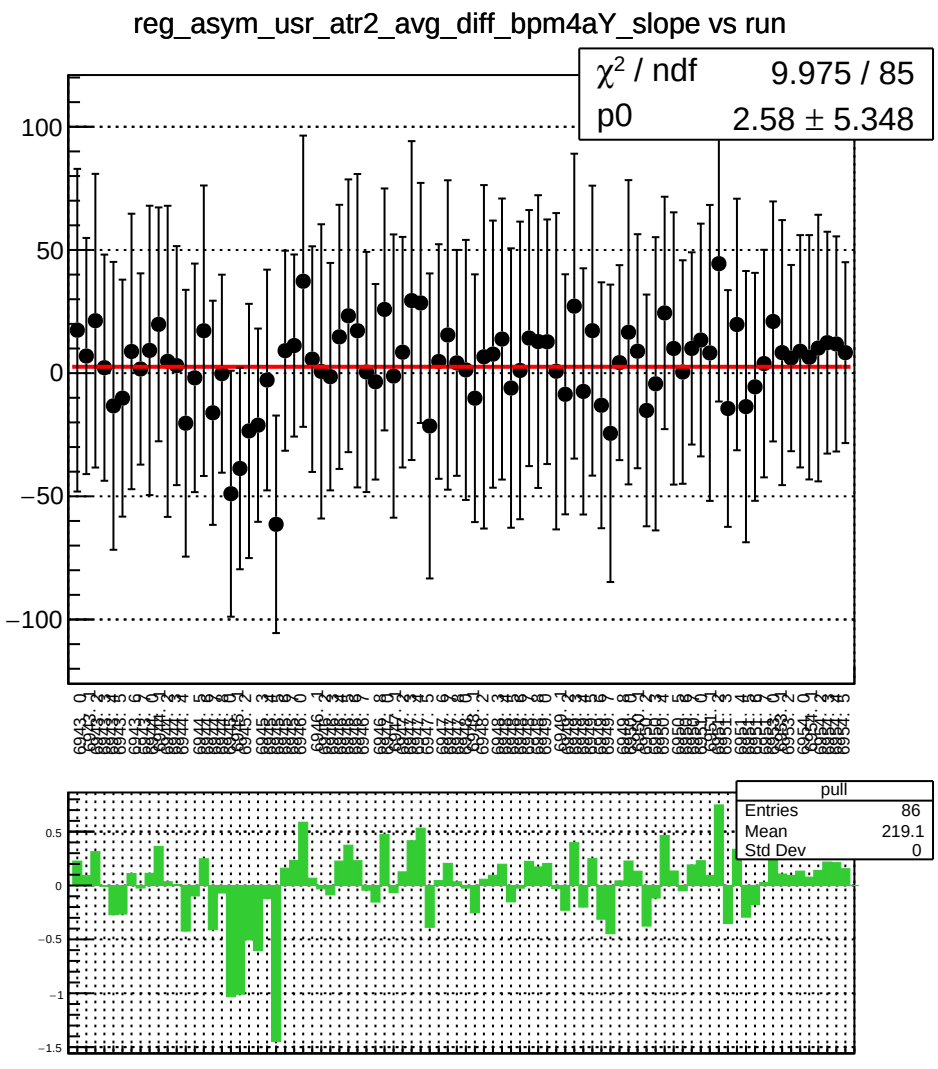

pull1D
Entries 86
Mean 0.03424
Std Dev 0.9339

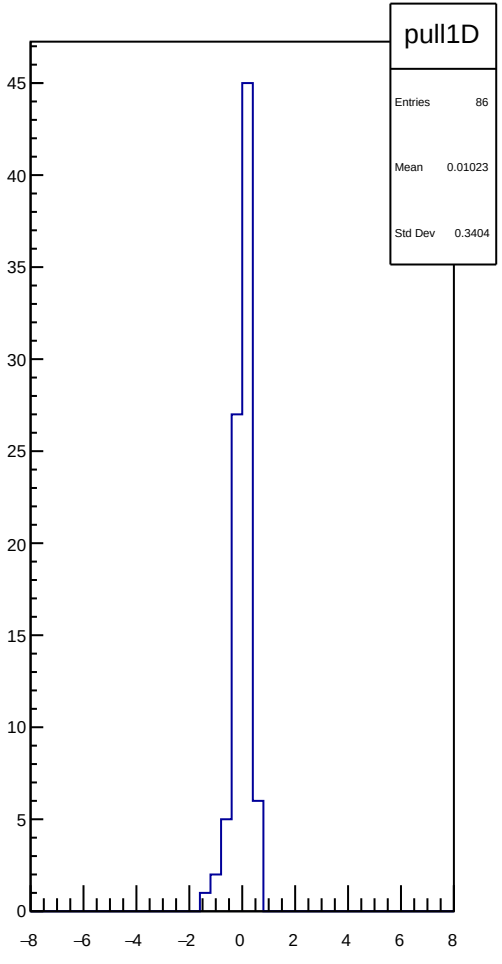

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.58 / 85
p0 13.08 ± 1.496
60
40
20
0
−20
pull
Entries 86
Mean −659.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.002408
Std Dev 0.8462
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

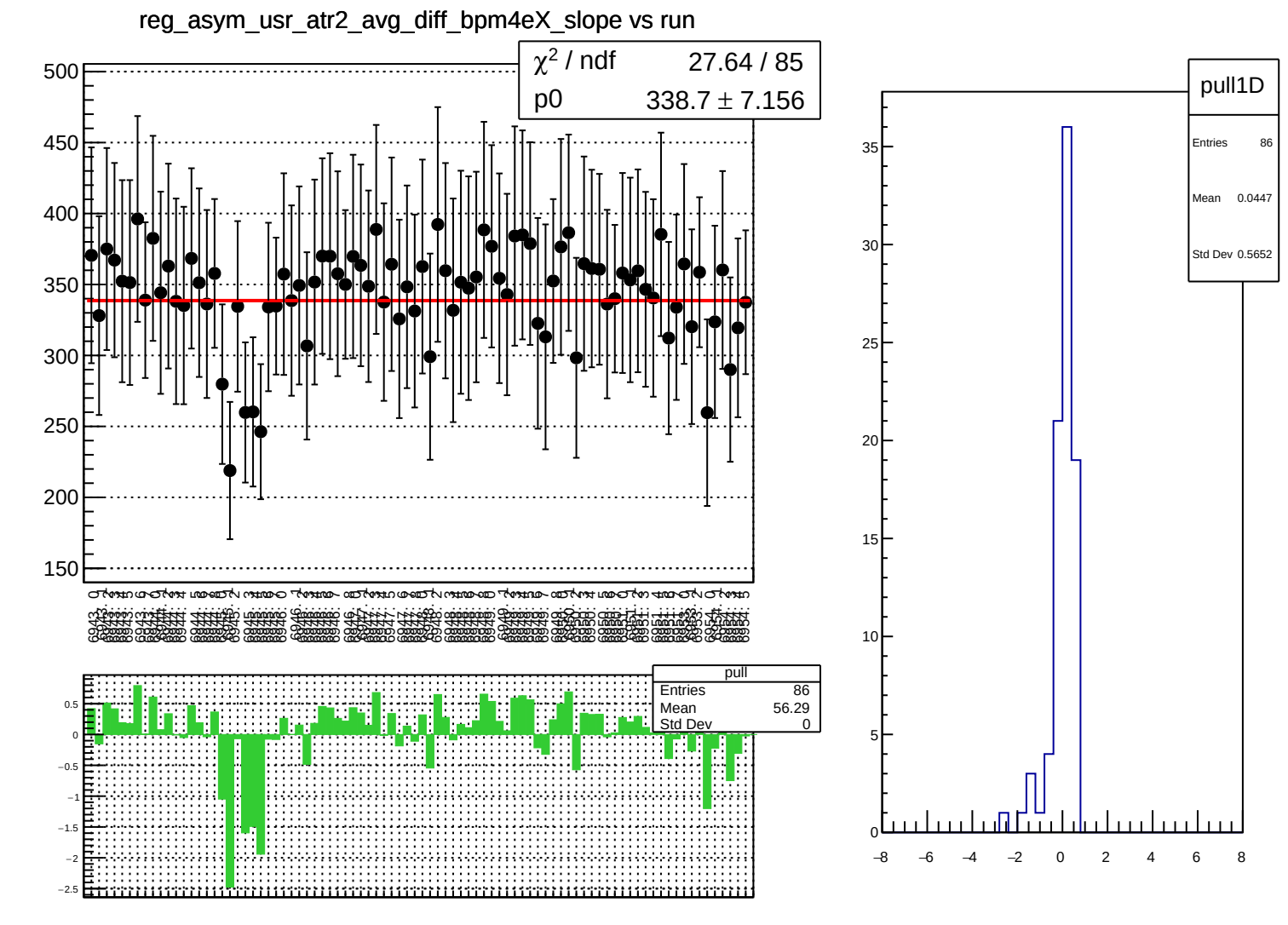

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 75.22 / 85
p0 −9.831 ± 0.058
pull
Entries 86
Mean −156.2
Std Dev 0
pull1D
Entries 86
Mean 0.006093
Std Dev 0.9352

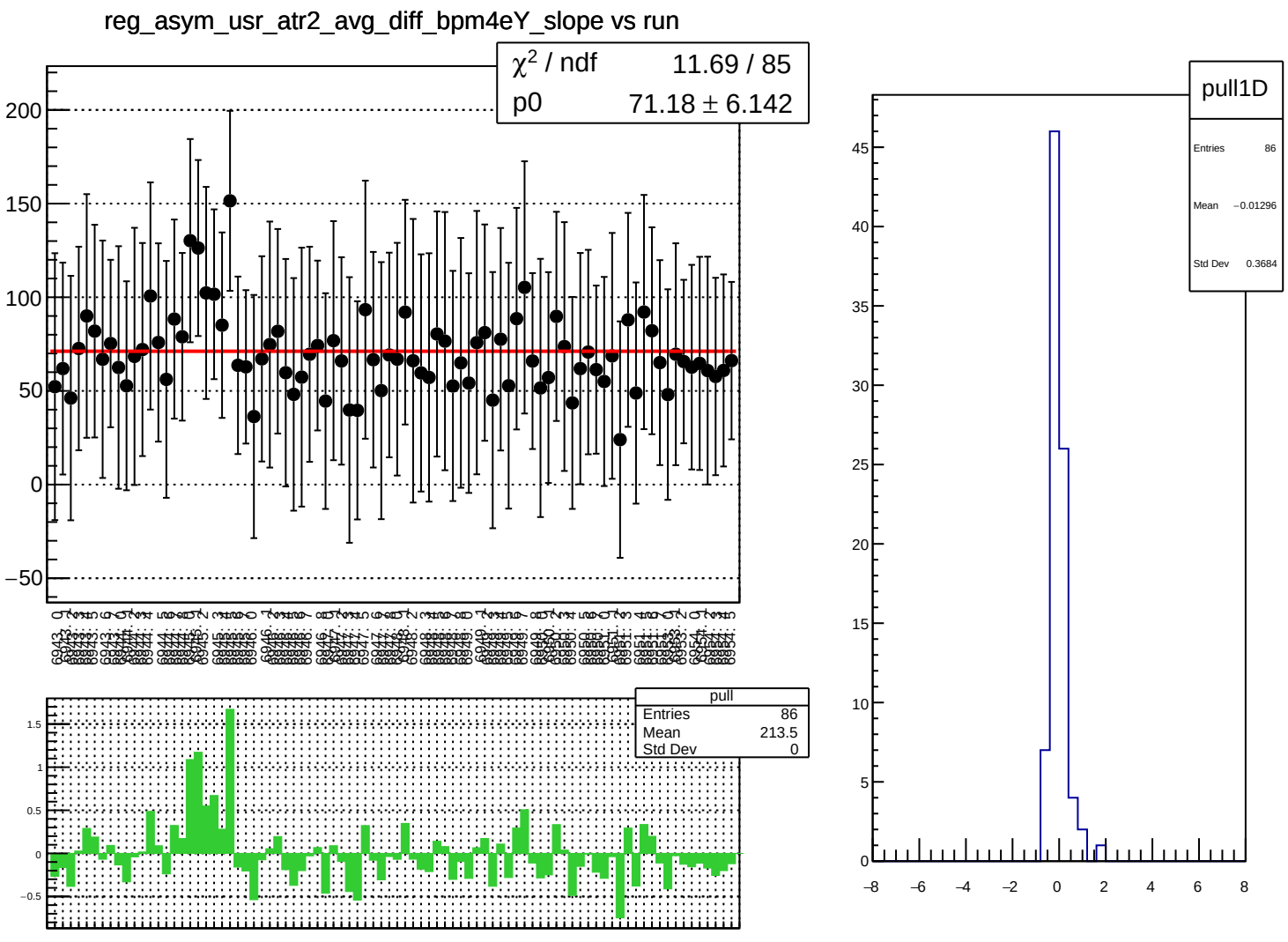

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.36 / 85
p0 −274.5 ± 7.685
pull
Entries 86
Mean 52.37
Std Dev 0

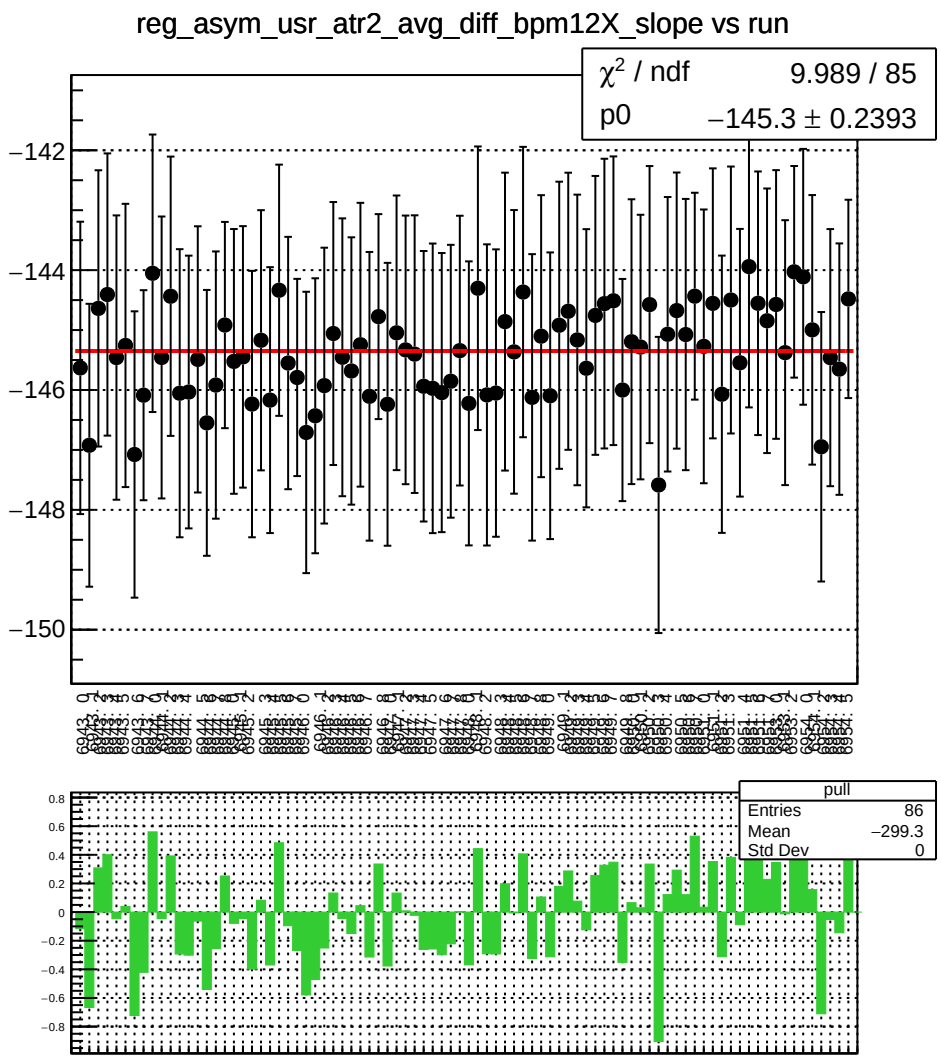

pull1D
Entries 86
Mean −0.04415
Std Dev 0.5623

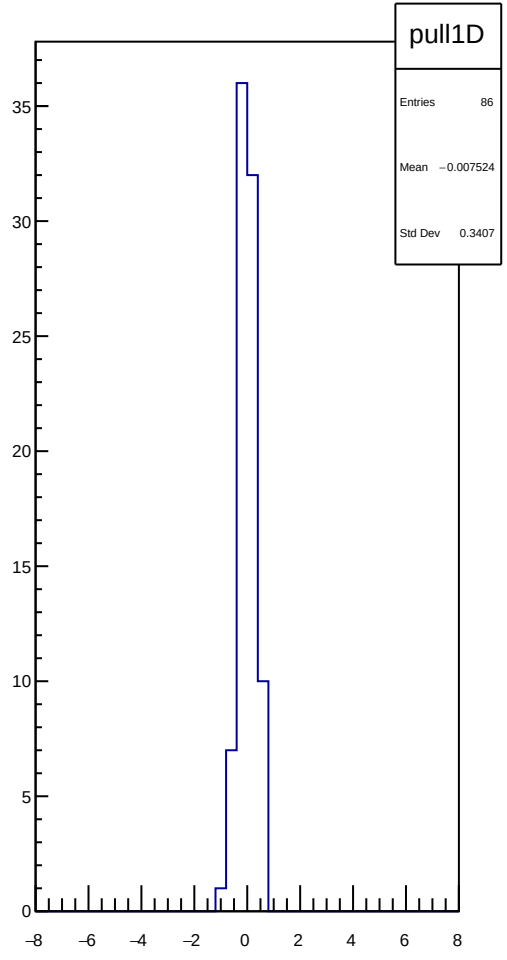

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.975 / 85
p0 2.58 ± 5.348
pull
Entries 86
Mean 219.1
Std Dev 0

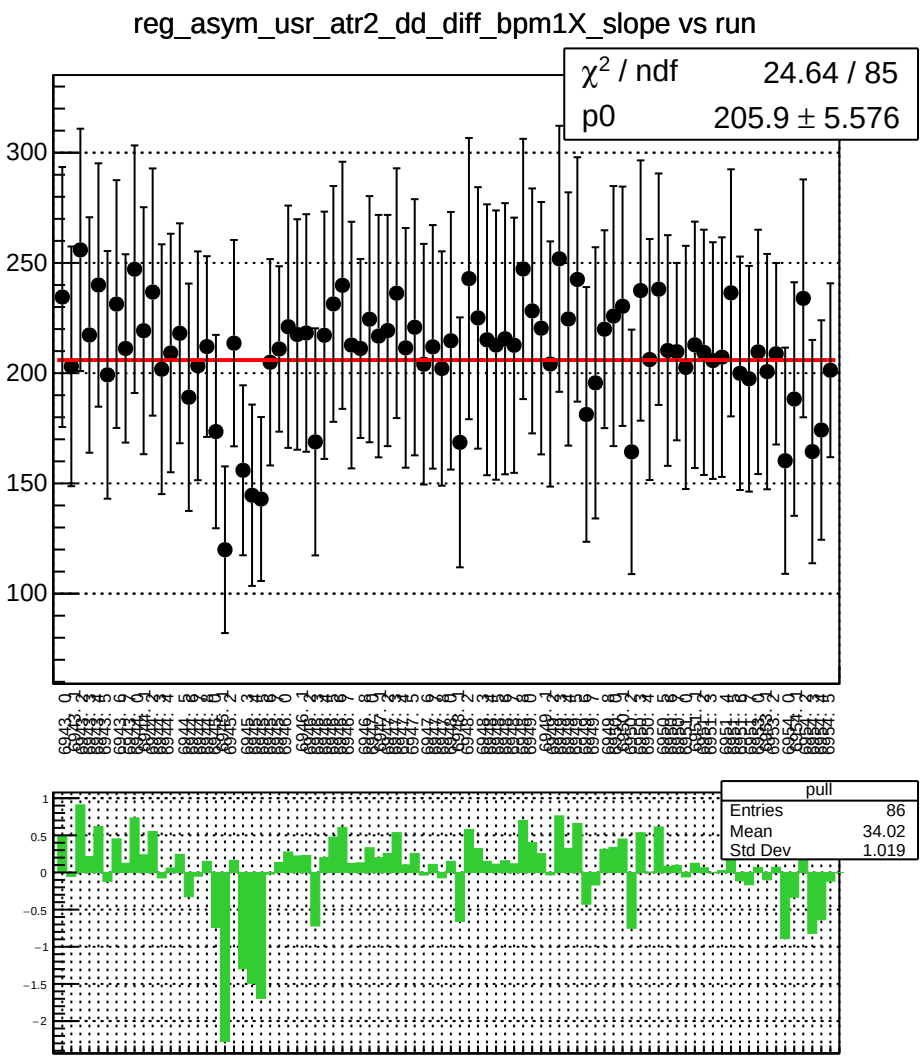

pull1D
Entries 86
Mean 0.01023
Std Dev 0.3404

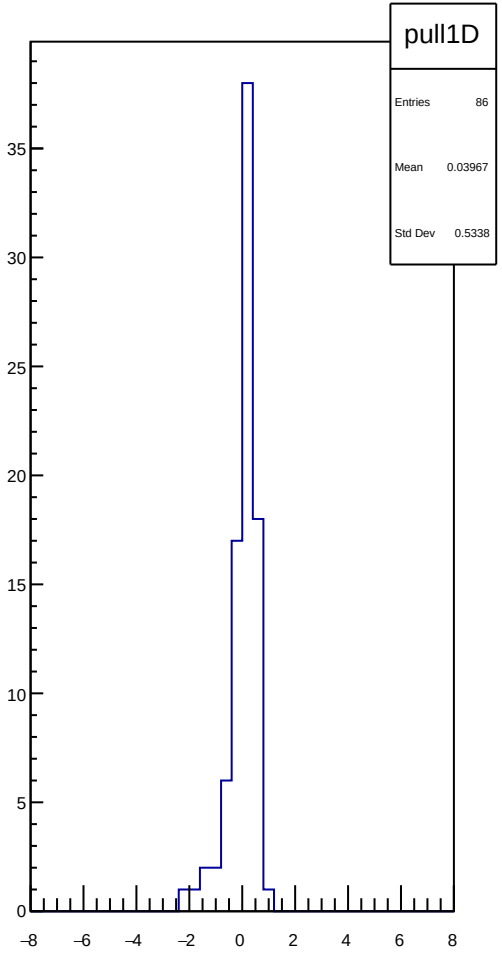

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.64 / 85
p0 338.7 ± 7.156
pull
Entries 86
Mean 56.29
Std Dev 0
pull1D
Entries 86
Mean 0.0447
Std Dev 0.5652

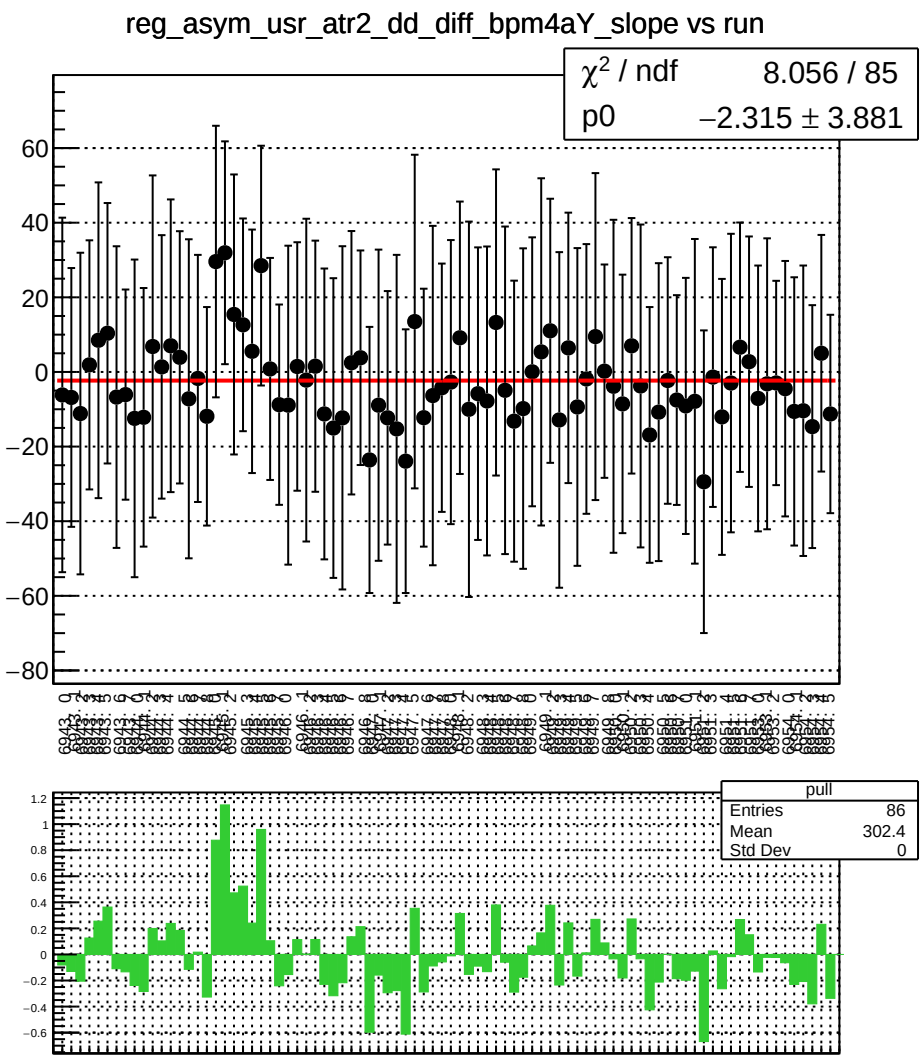

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.69 / 85
p0 71.18 ± 6.142
pull
Entries 86
Mean 213.5
Std Dev 0
pull1D
Entries 86
Mean −0.01296
Std Dev 0.3684

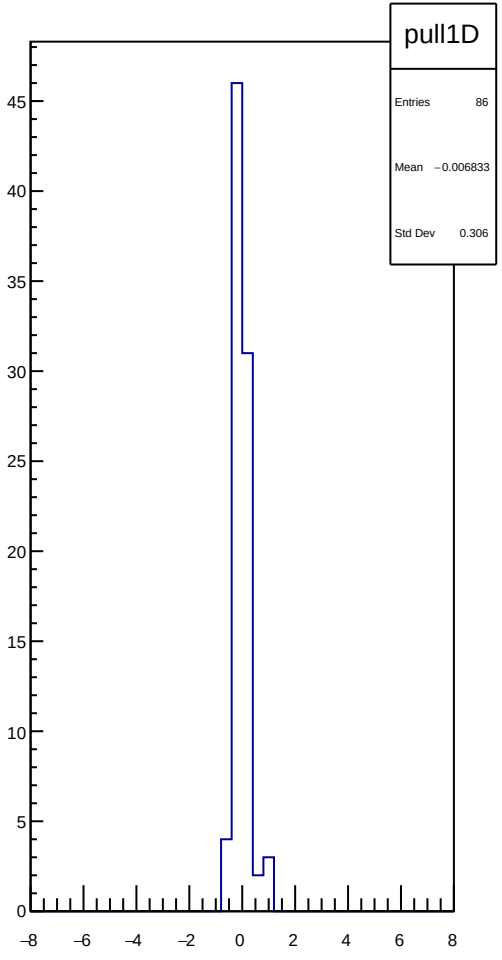

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.989 / 85
p0 −145.3 ± 0.2393
−142
−144
−146
−148
−150
pull
Entries 86
Mean −299.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

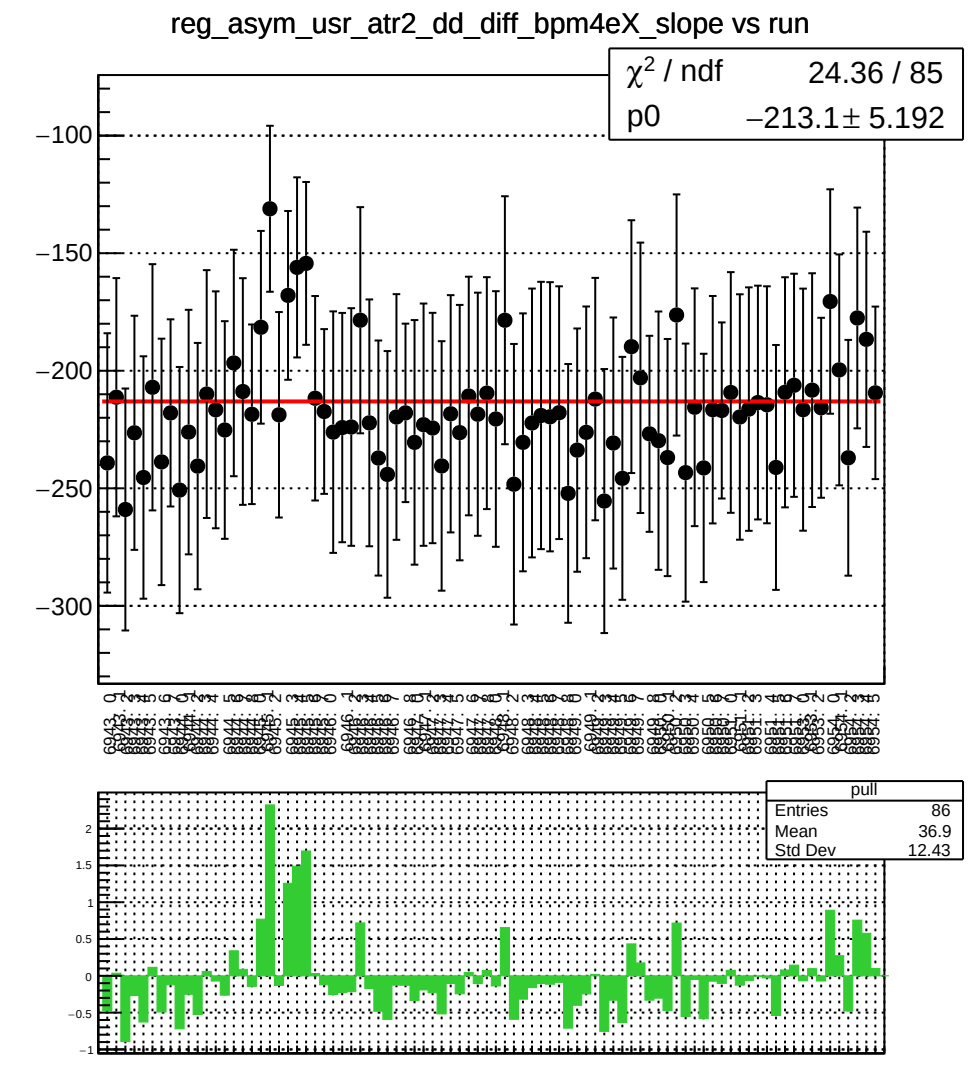

pull1D
Entries 86
Mean −0.007524
Std Dev 0.3407
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

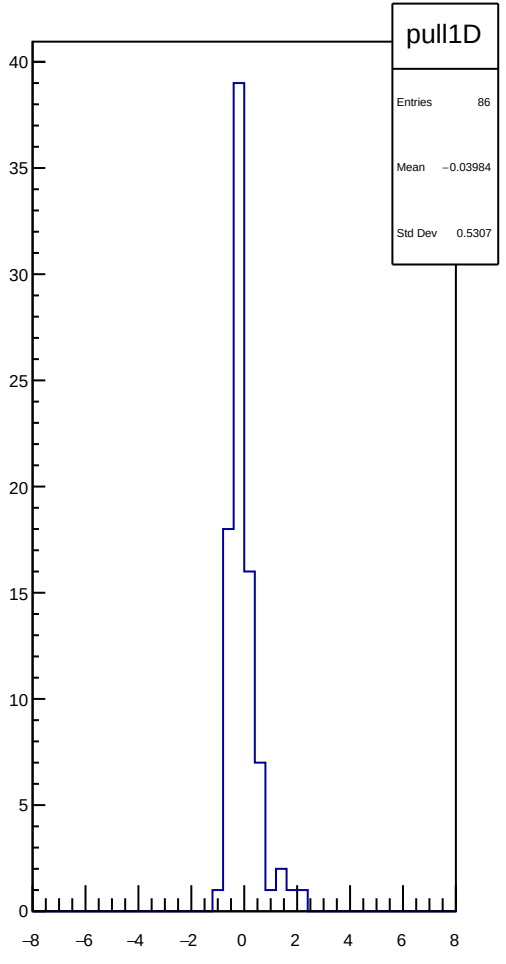

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.64 / 85
p0 205.9 ± 5.576
pull
Entries 86
Mean 34.02
Std Dev 1.019

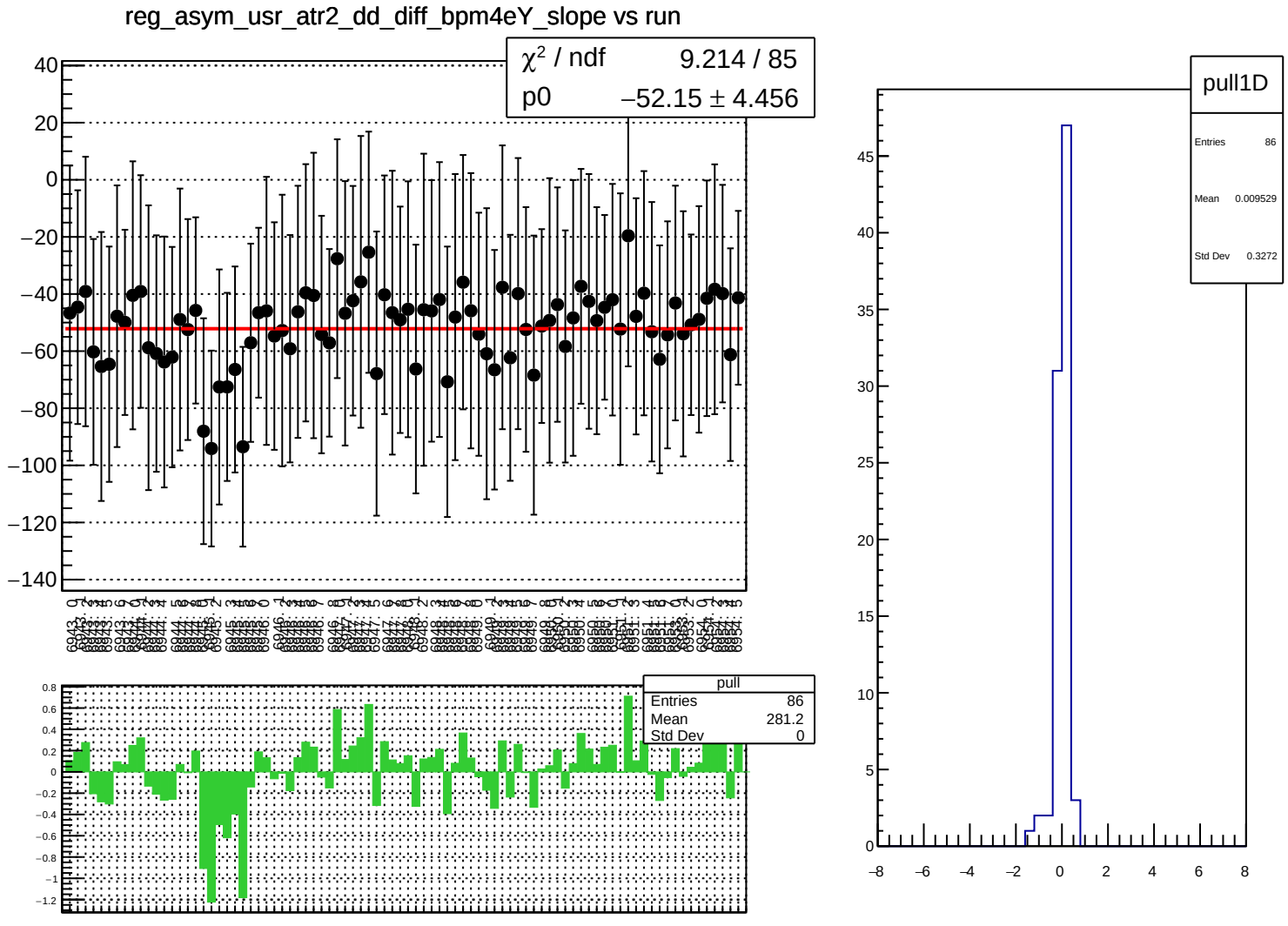

pull1D
Entries 86
Mean 0.03967
Std Dev 0.5338

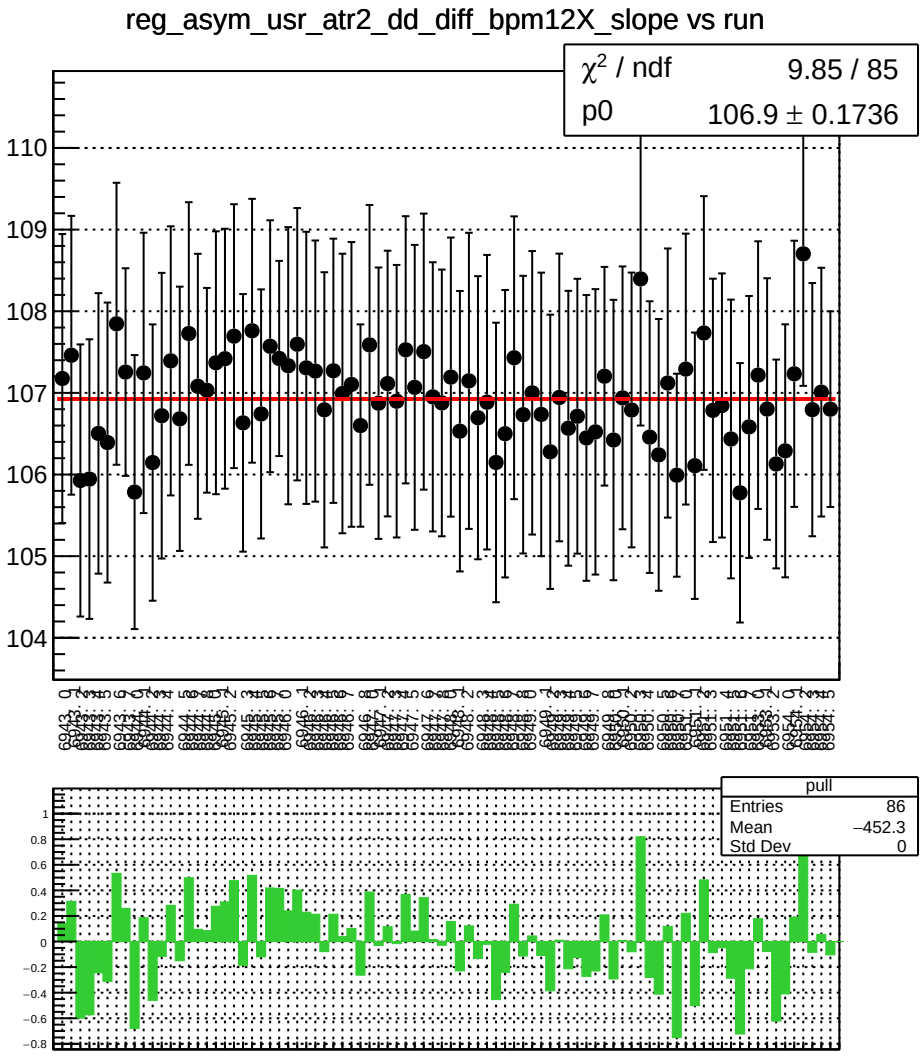

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.056 / 85
p0 −2.315 ± 3.881
pull
Entries 86
Mean 302.4
Std Dev 0

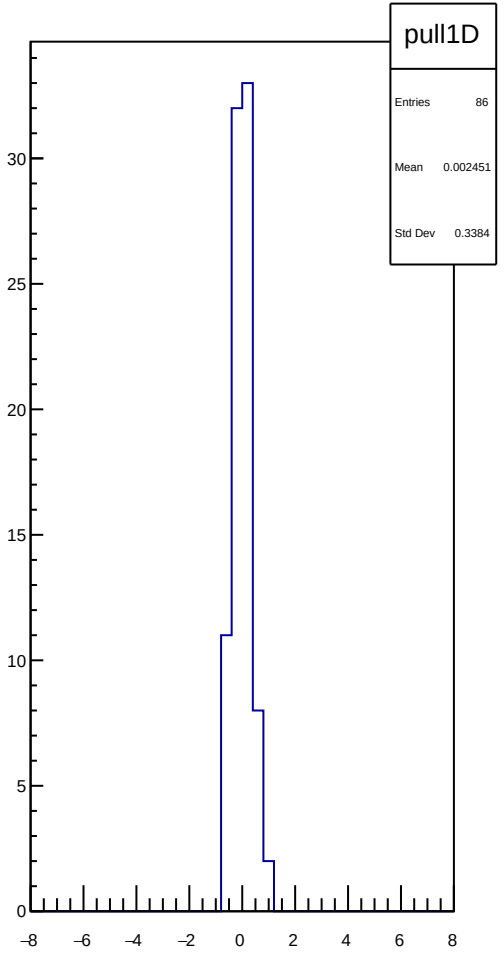

pull1D
Entries 86
Mean −0.006833
Std Dev 0.306

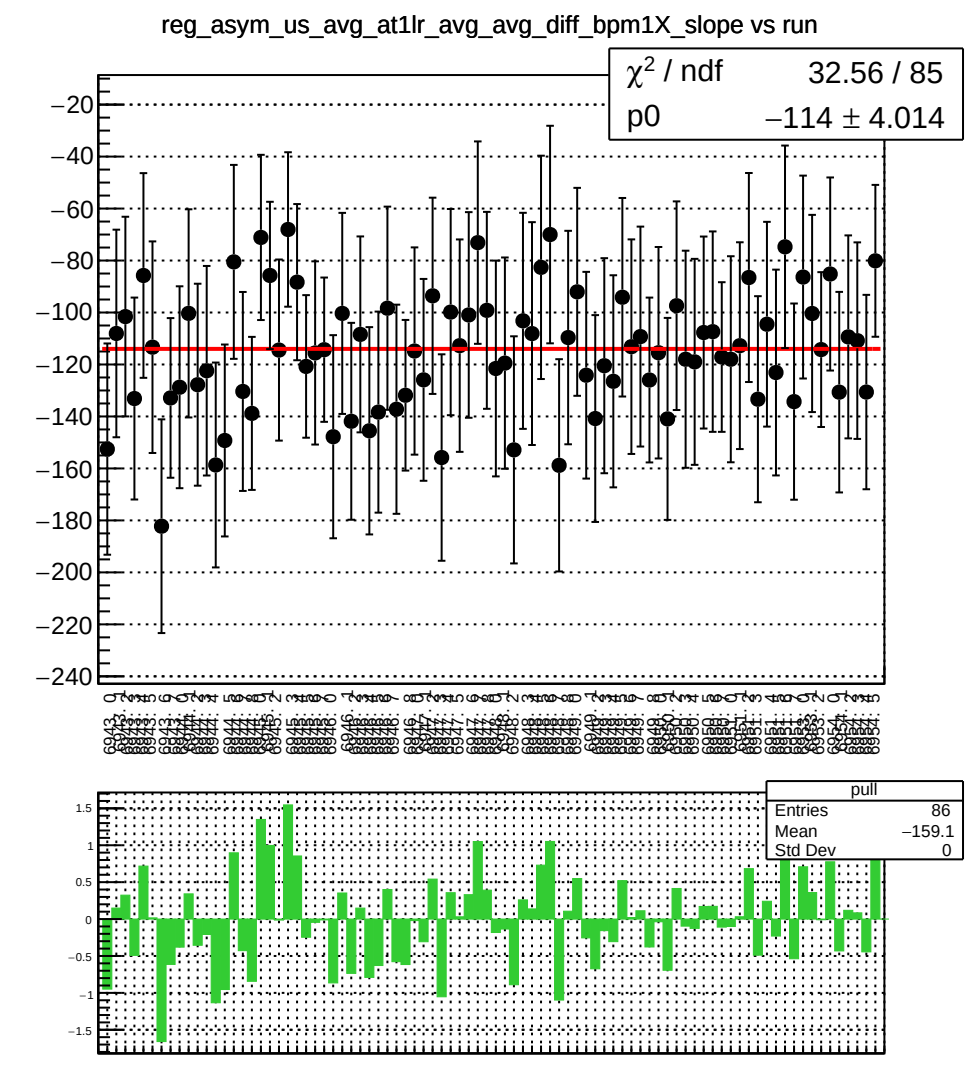

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.36 / 85
p0 −213.1 ± 5.192
−100
−150
−200
−250
−300
pull
Entries 86
Mean 36.9
Std Dev 12.43
2
1.5
1
0.5
0
−0.5
−1

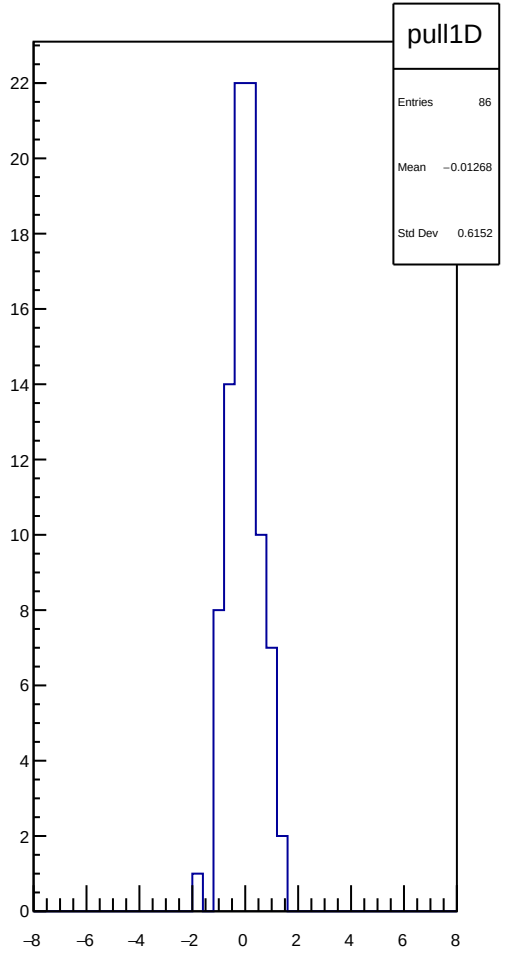

pull1D
Entries 86
Mean −0.03984
Std Dev 0.5307
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

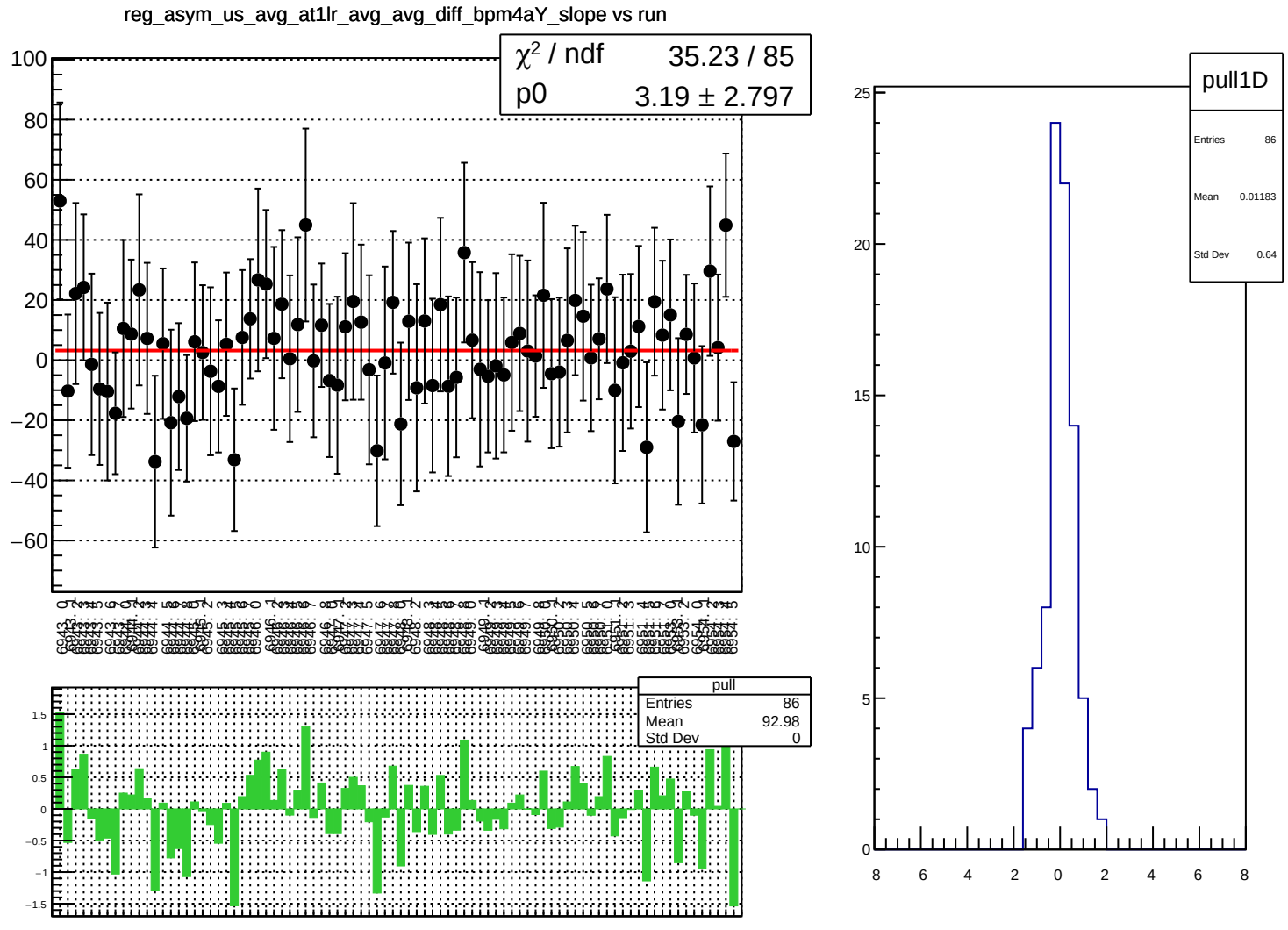

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.214 / 85
p0 −52.15 ± 4.456
pull
Entries 86
Mean 281.2
Std Dev 0
pull1D
Entries 86
Mean 0.009529
Std Dev 0.3272

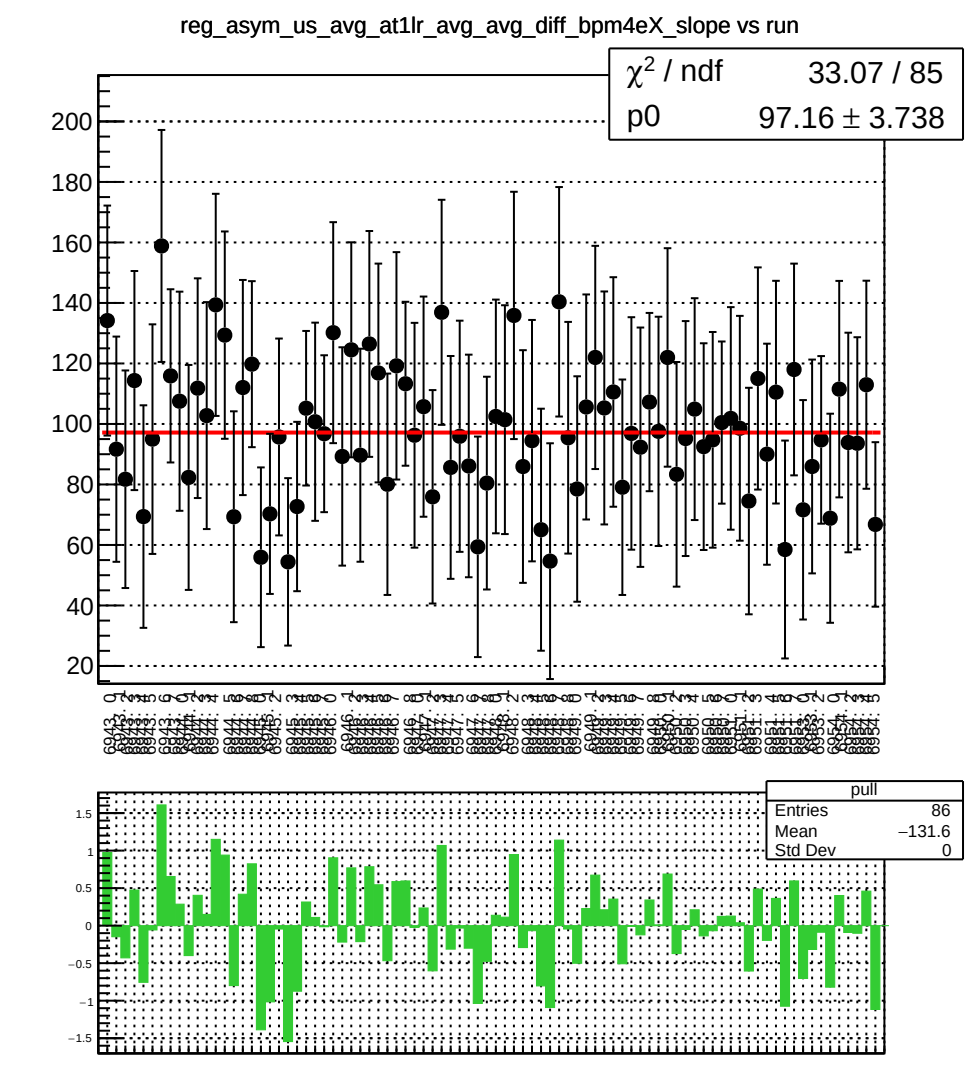

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.85 / 85
p0 106.9 ± 0.1736
pull
Entries 86
Mean −452.3
Std Dev 0

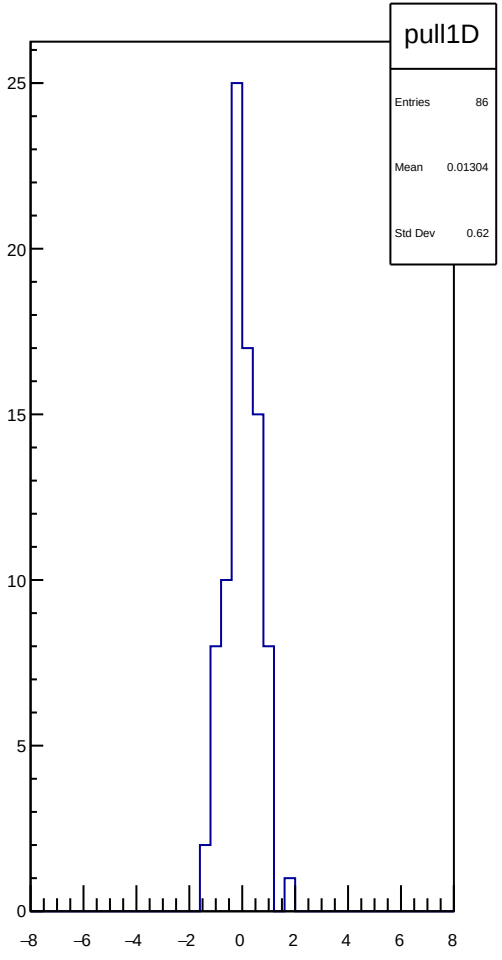

pull1D
Entries 86
Mean 0.002451
Std Dev 0.3384

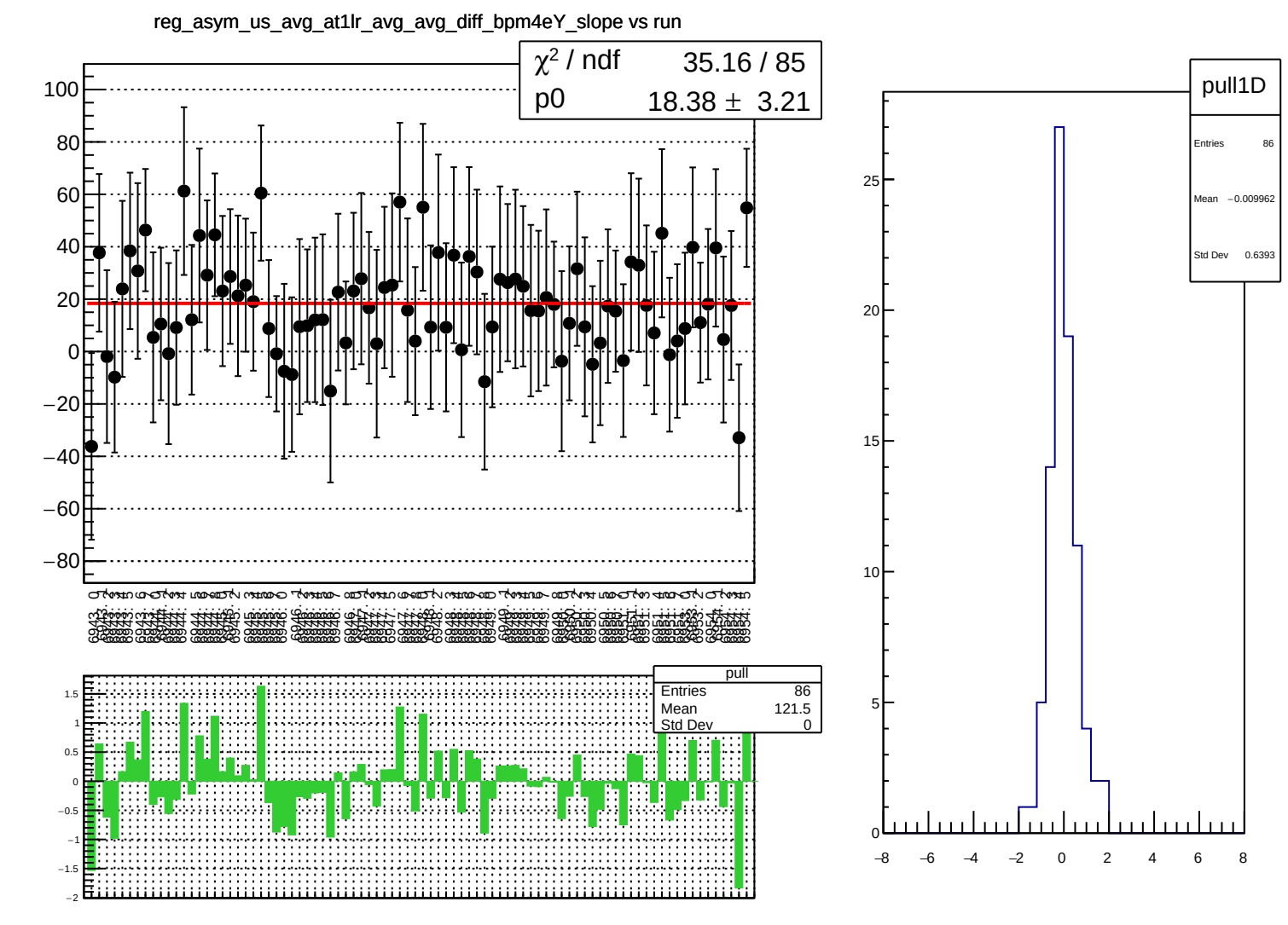

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 32.56 / 85
p0 −114 ± 4.014
pull
Entries 86
Mean −159.1
Std Dev 0

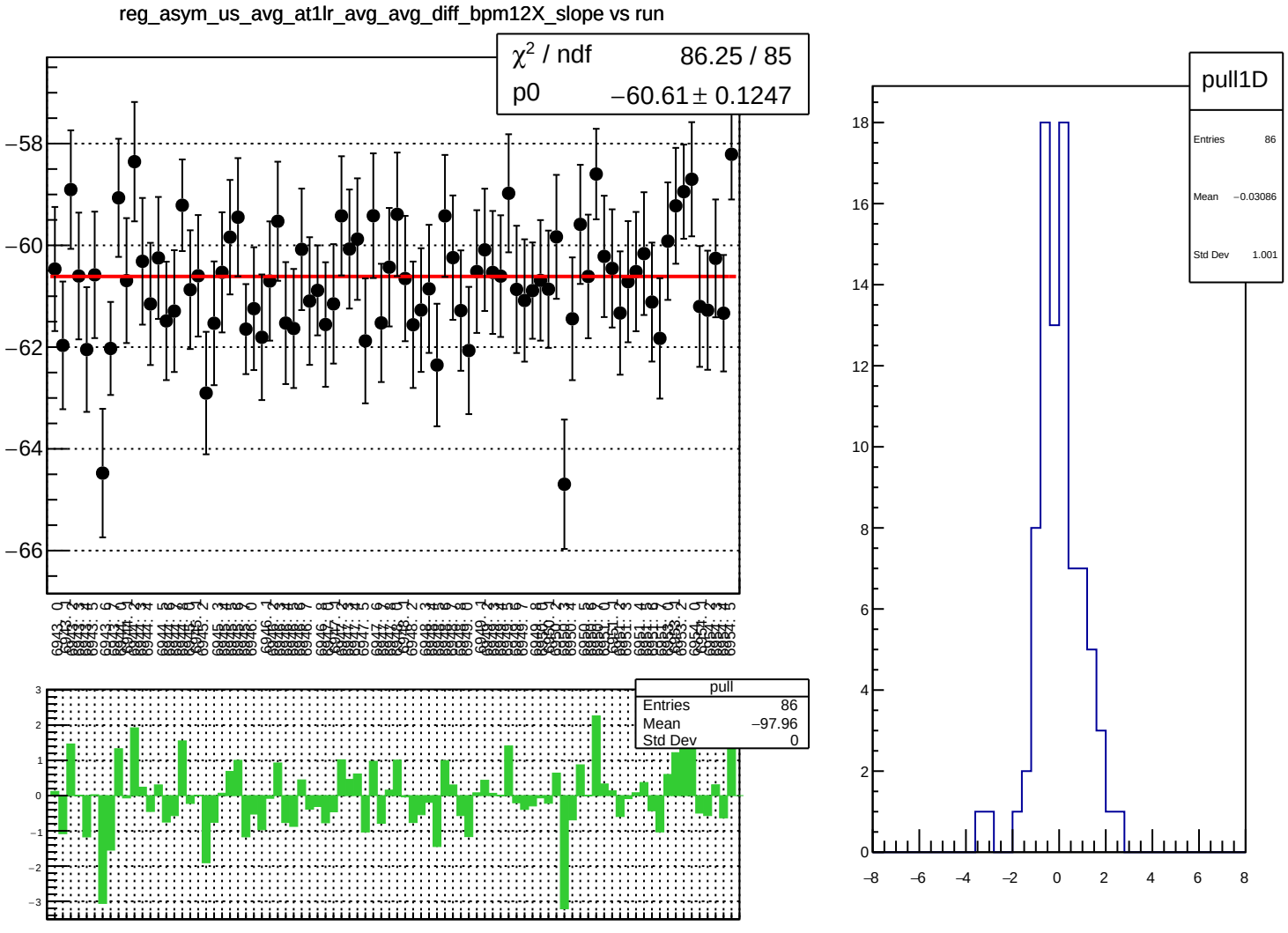

pull1D
Entries 86
Mean −0.01268
Std Dev 0.6152

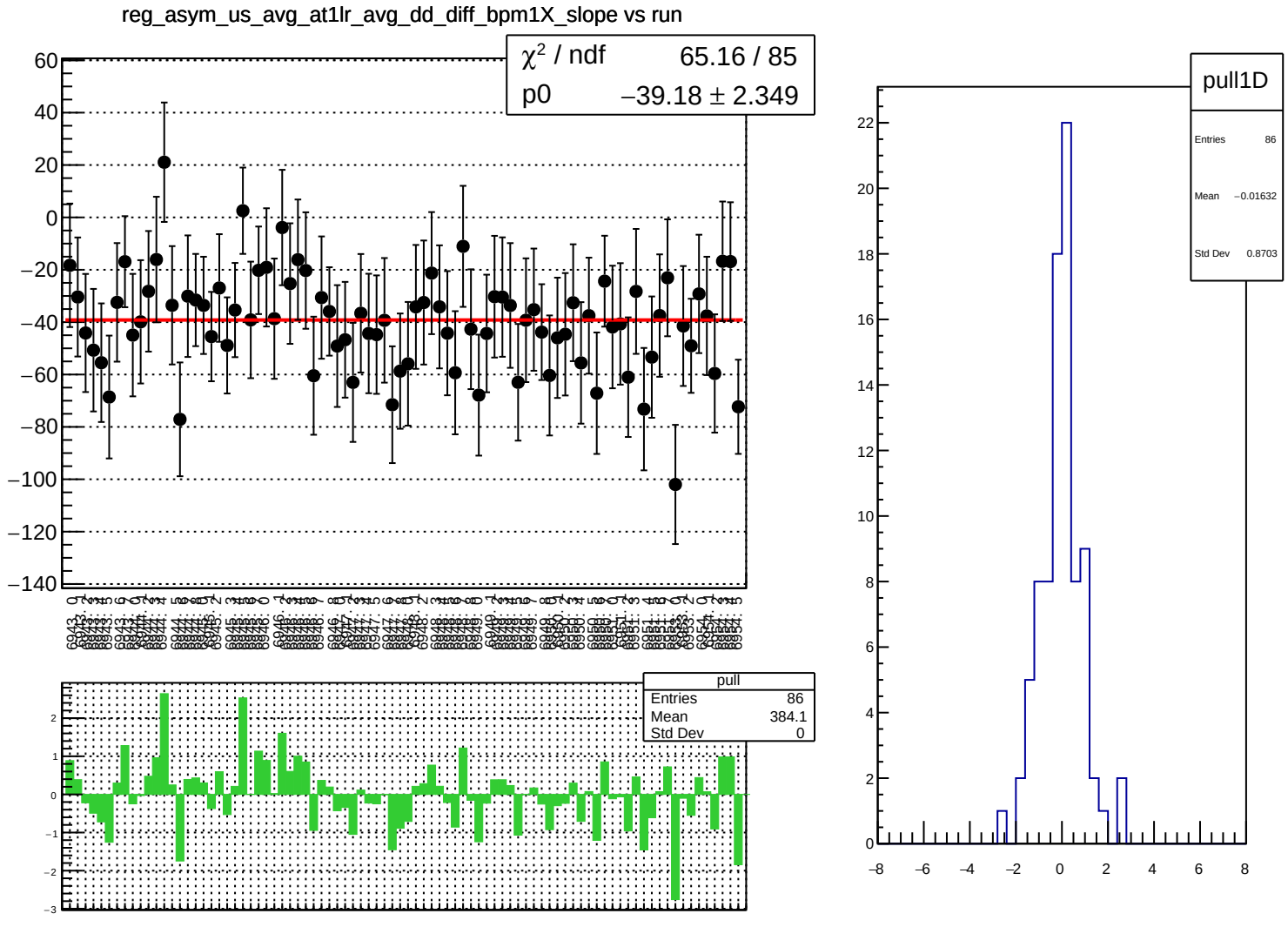

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.23 / 85
p0 3.19 ± 2.797
pull
Entries 86
Mean 92.98
Std Dev 0
pull1D
Entries 86
Mean 0.01183
Std Dev 0.64

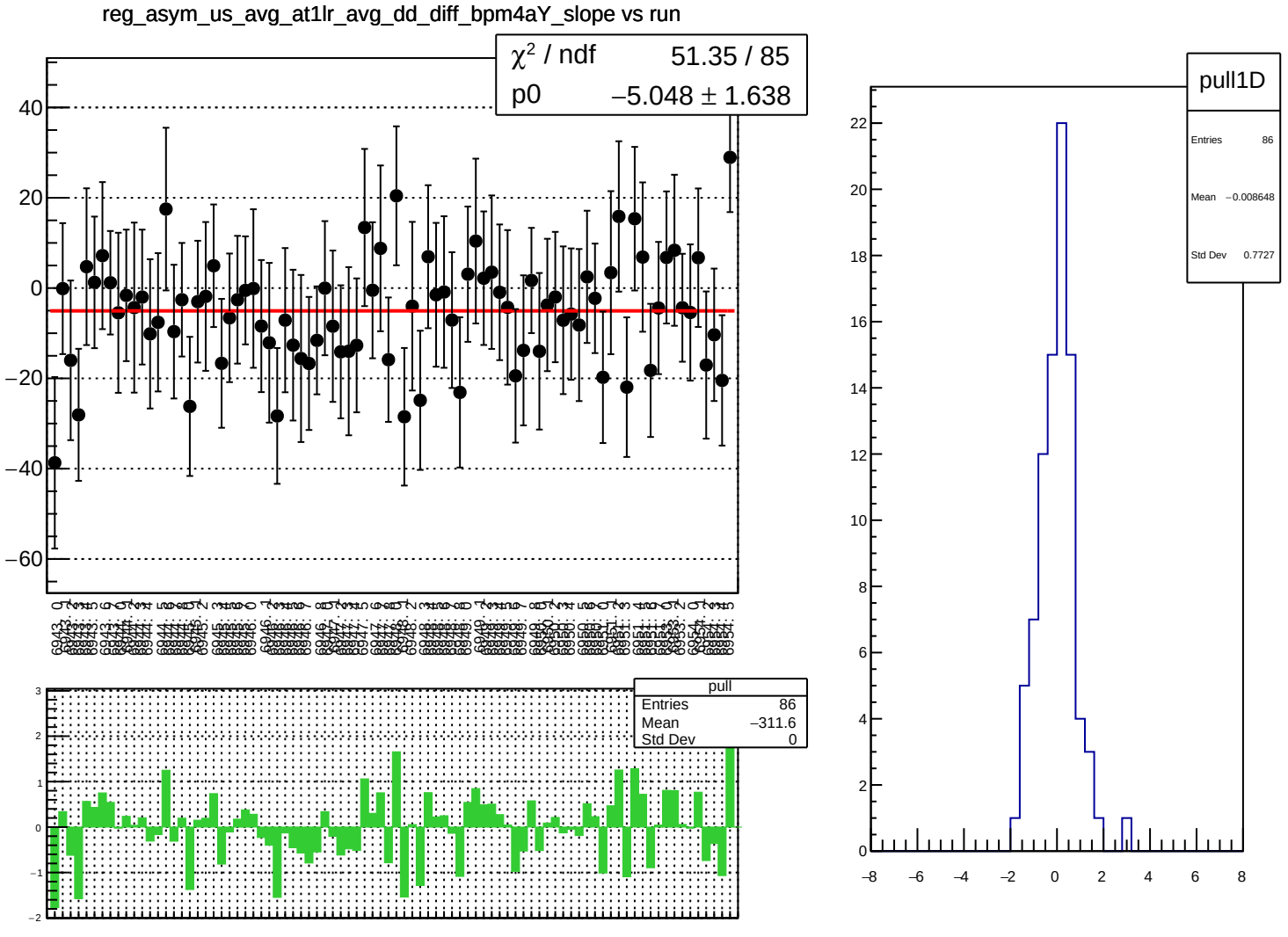

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.07 / 85
p0 97.16 ± 3.738
pull
Entries 86
Mean −131.6
Std Dev 0

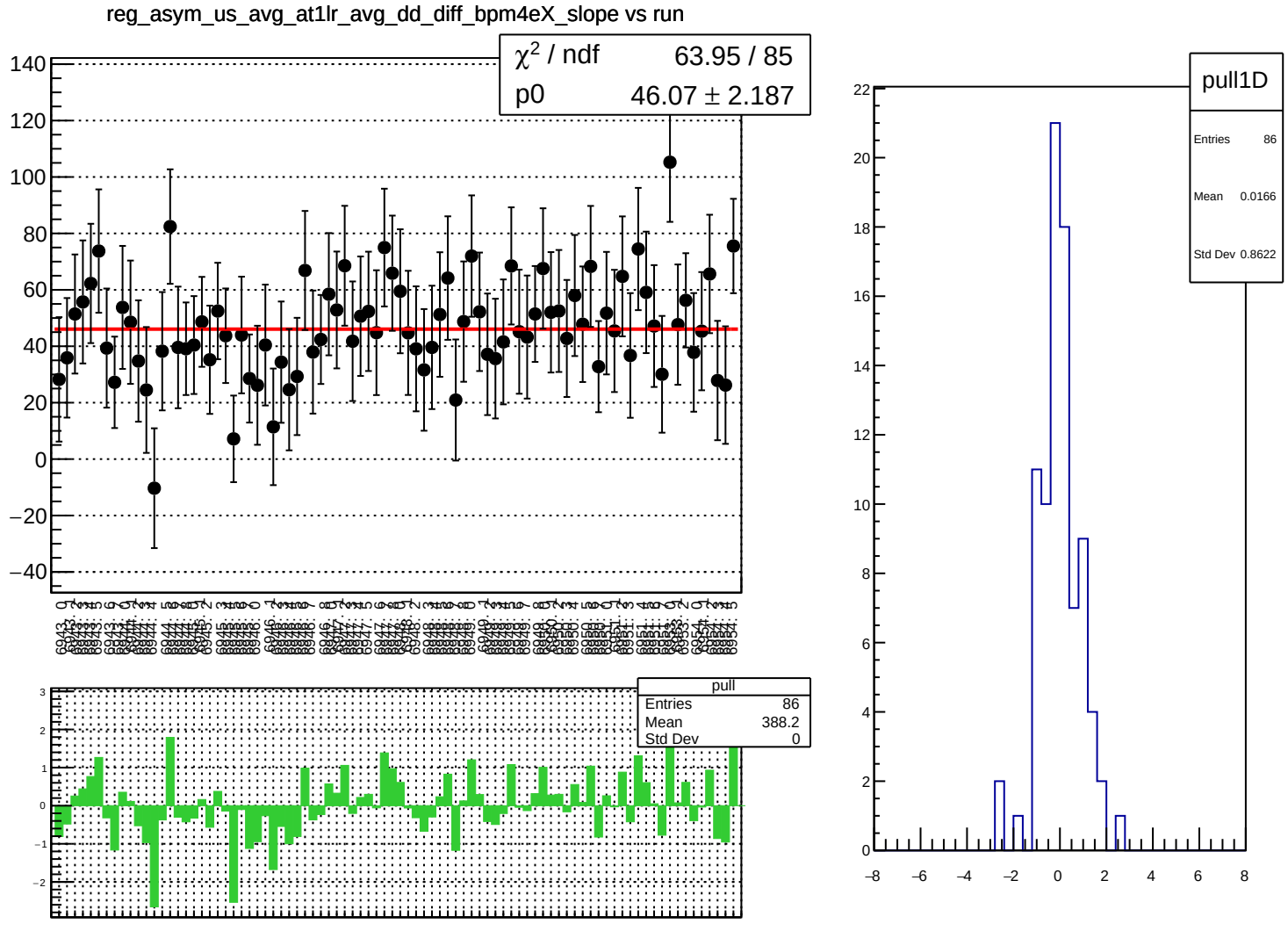

pull1D
Entries 86
Mean 0.01304
Std Dev 0.62

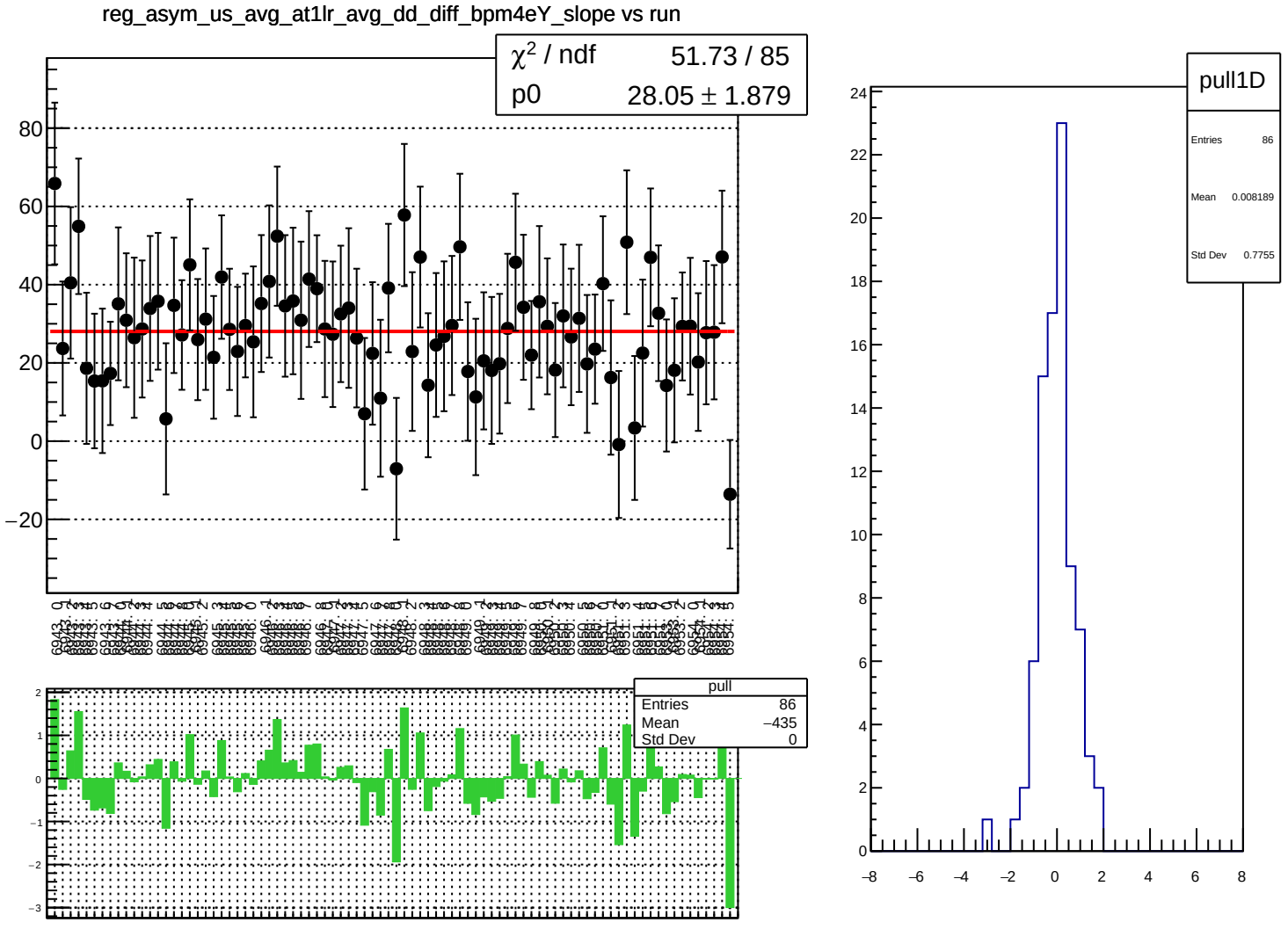

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.16 / 85
p0 18.38 ± 3.21
pull
Entries 86
Mean 121.5
Std Dev 0
pull1D
Entries 86
Mean −0.009962
Std Dev 0.6393

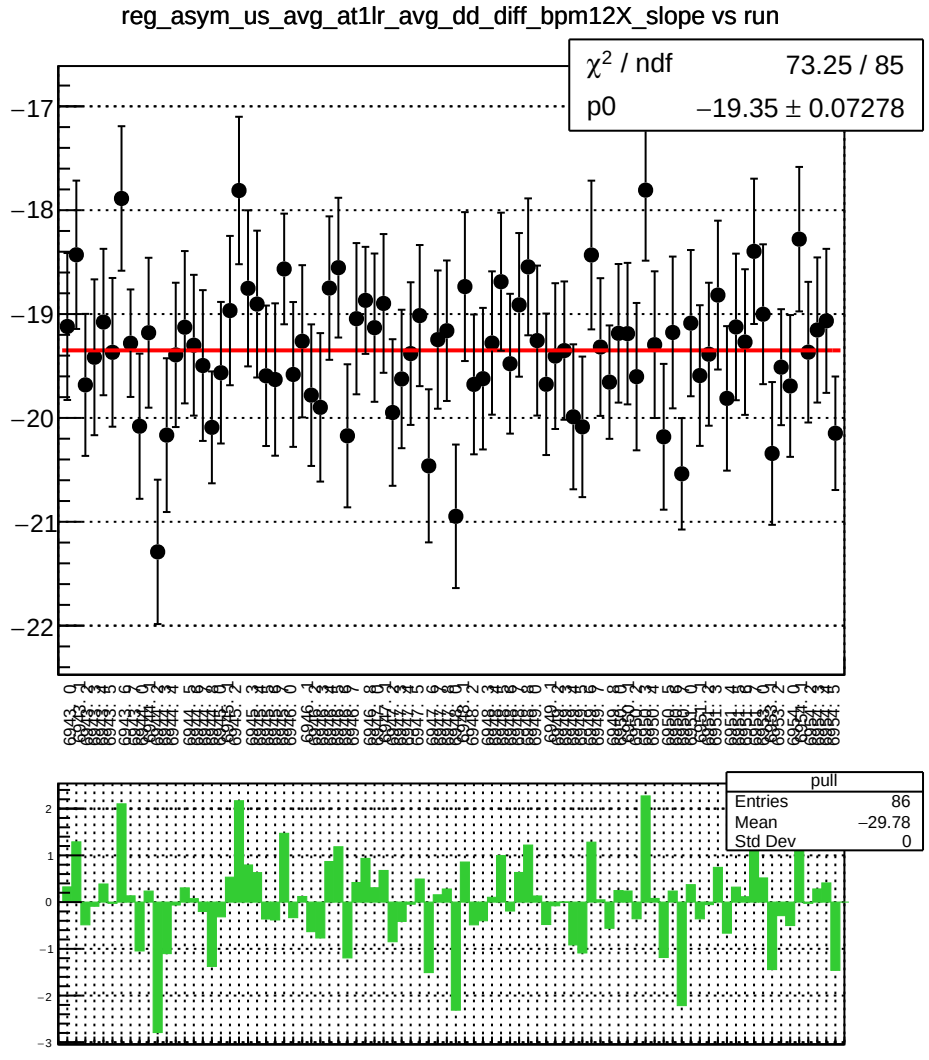

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 86.25 / 85
p0 −60.61 ± 0.1247
−58
−60
−62
−64
−66
pull
Entries 86
Mean −97.96
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.03086
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

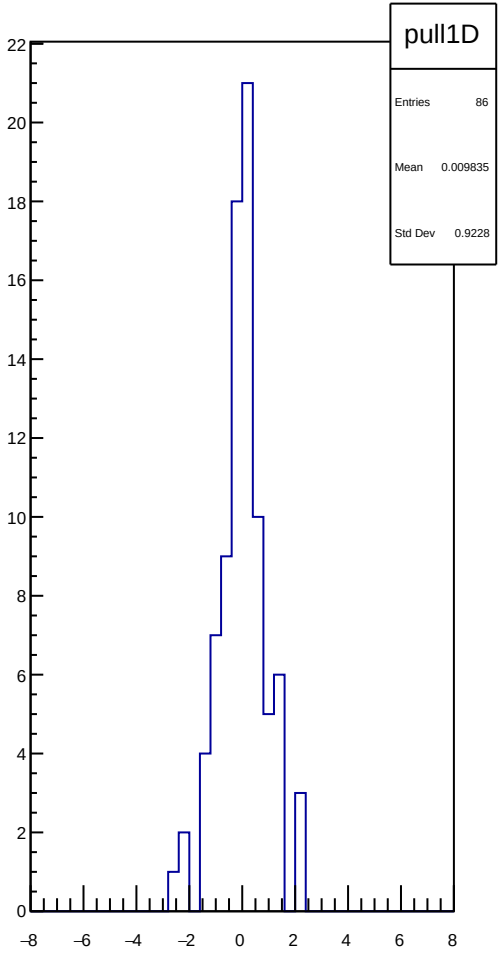

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 65.16 / 85
p0 −39.18 ± 2.349
pull
Entries 86
Mean 384.1
Std Dev 0
pull1D
Entries 86
Mean −0.01632
Std Dev 0.8703

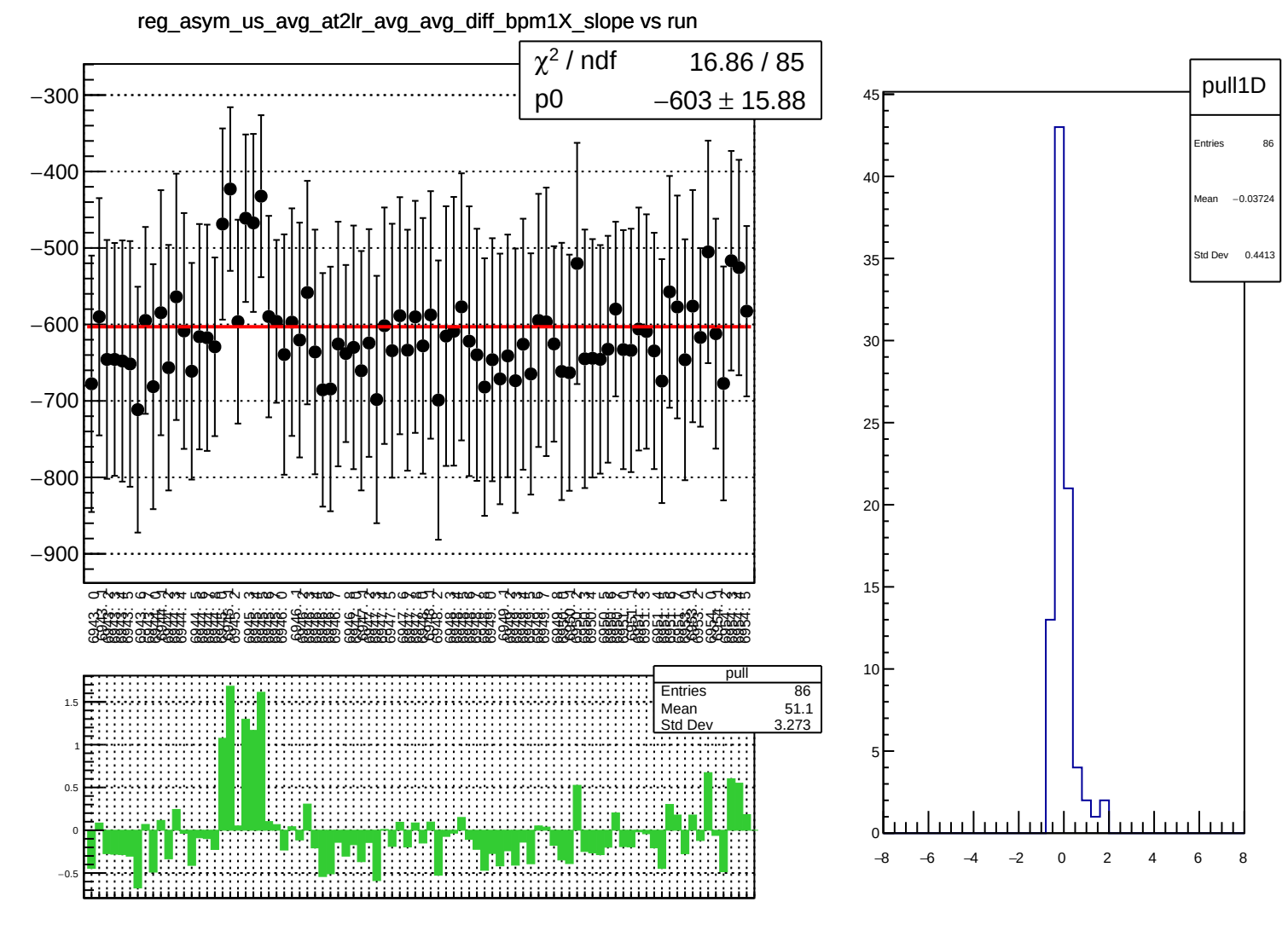

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.35 / 85
p0 −5.048 ± 1.638
pull
Entries 86
Mean −311.6
Std Dev 0
pull1D
Entries 86
Mean −0.008648
Std Dev 0.7727

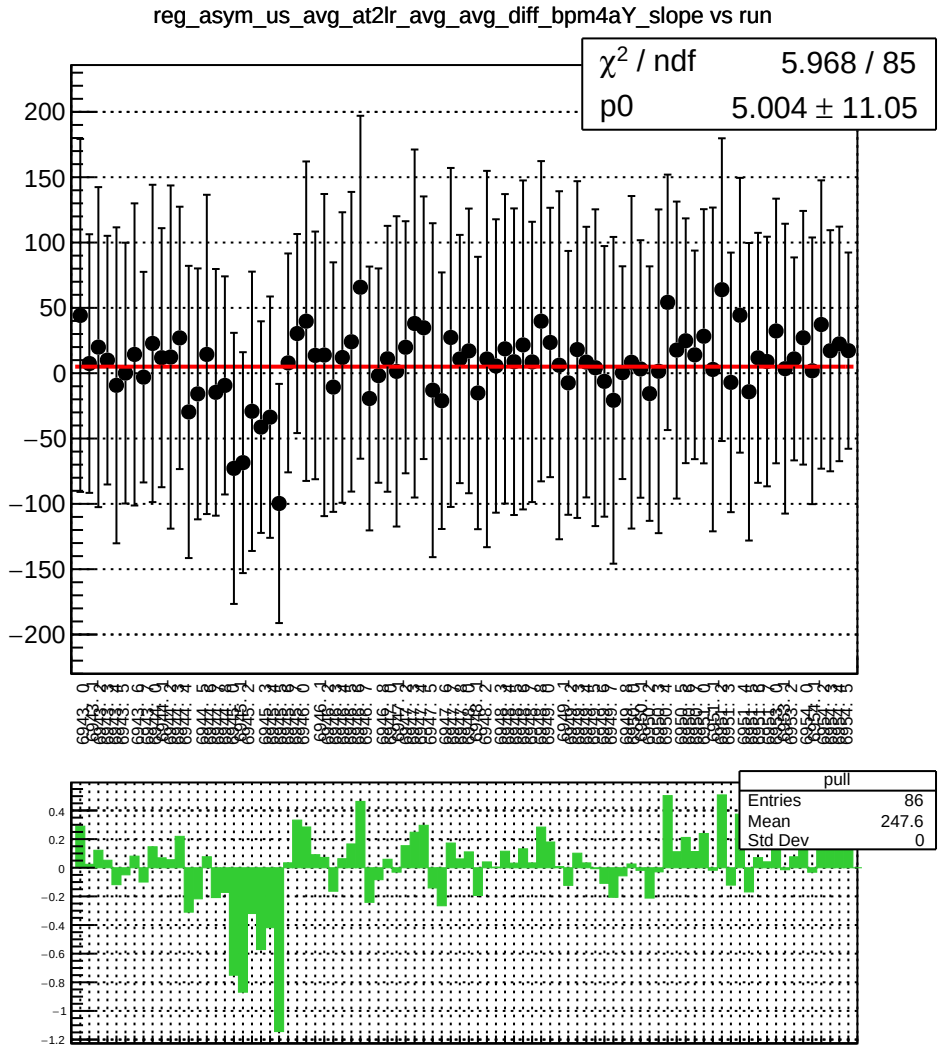

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.95 / 85
p0 46.07 ± 2.187
pull
Entries 86
Mean 388.2
Std Dev 0
pull1D
Entries 86
Mean 0.0166
Std Dev 0.8622

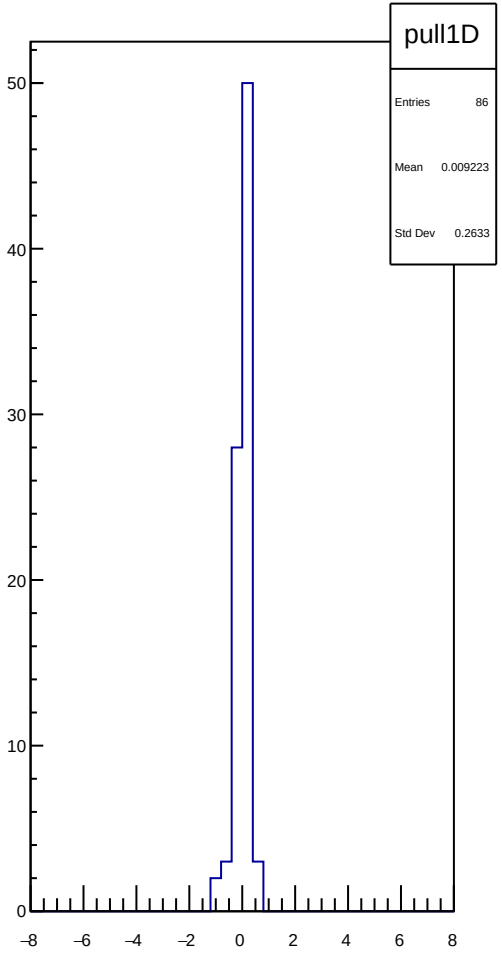

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.73 / 85
p0 28.05 ± 1.879
pull
Entries 86
Mean −435
Std Dev 0
pull1D
Entries 86
Mean 0.008189
Std Dev 0.7755

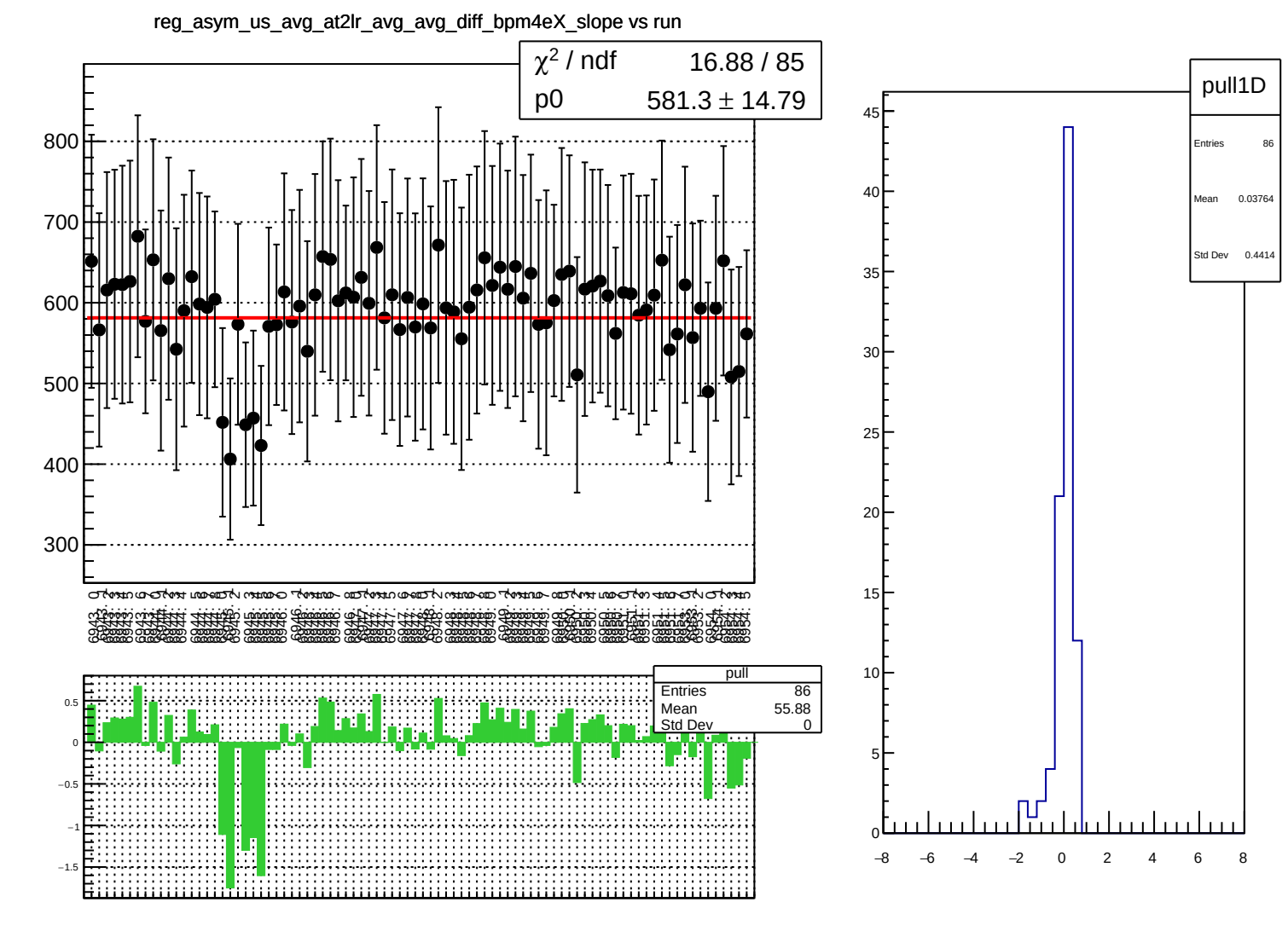

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 73.25 / 85
p0 −19.35 ± 0.07278
pull
Entries 86
Mean −29.78
Std Dev 0

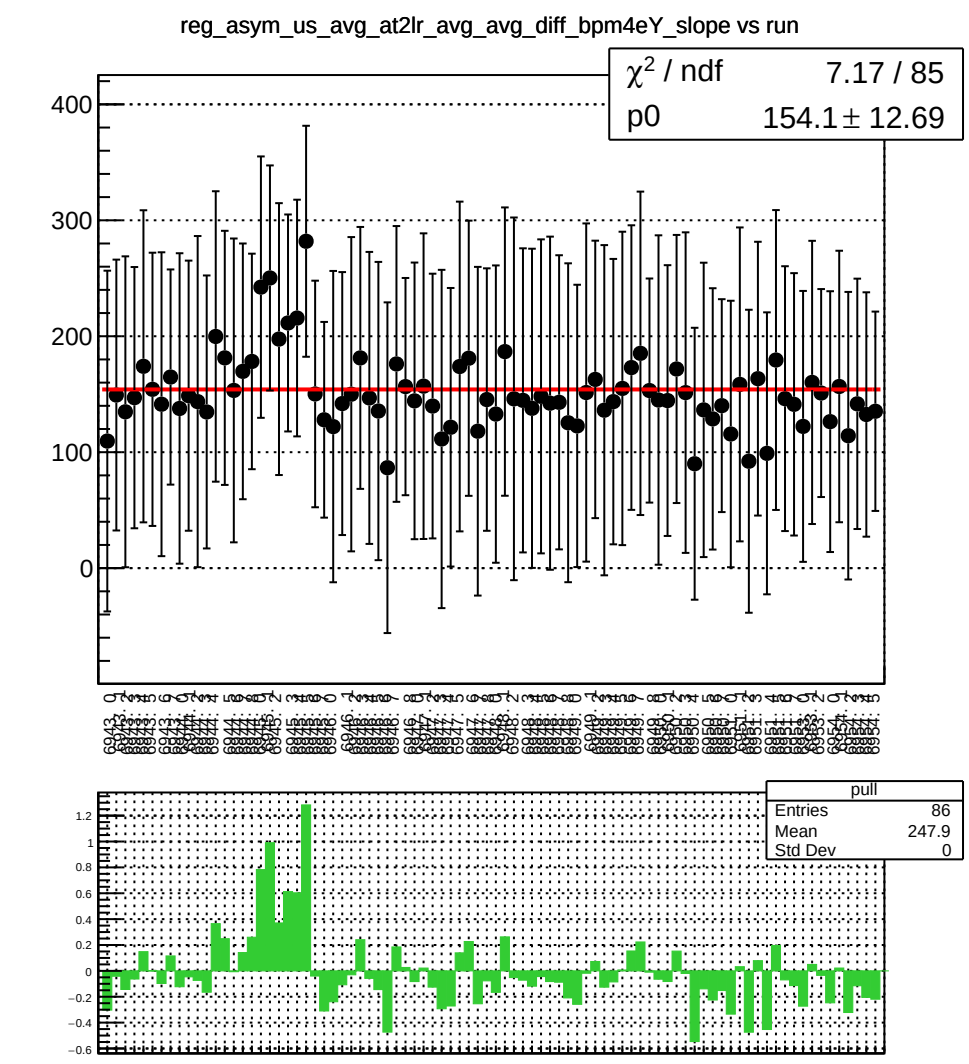

pull1D
Entries 86
Mean 0.009835
Std Dev 0.9228

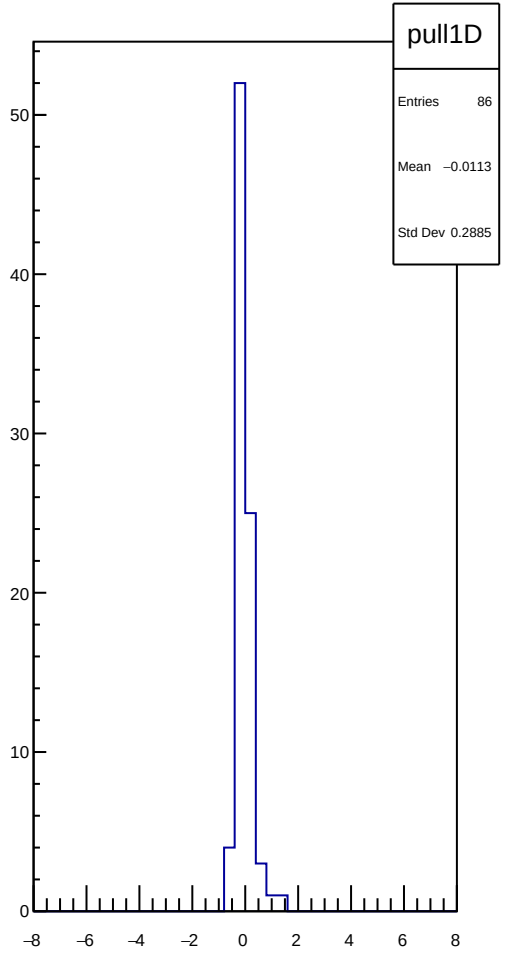

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 16.86 / 85
p0 −603 ± 15.88
−300
−400
−500
−600
−700
−800
−900
pull
Entries 86
Mean 51.1
Std Dev 3.273
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.03724
Std Dev 0.4413
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

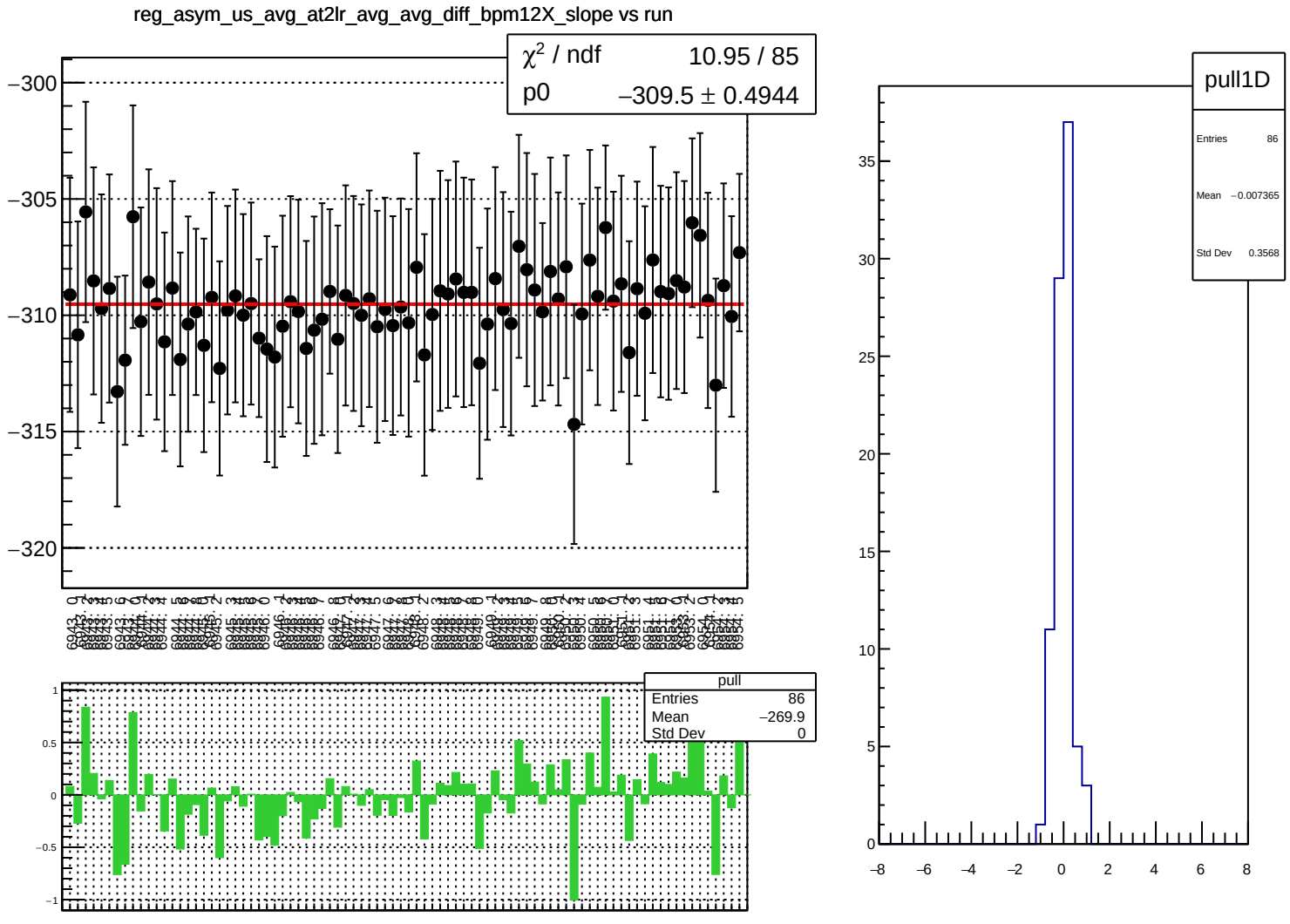

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.968 / 85
p0 5.004 ± 11.05
pull
Entries 86
Mean 247.6
Std Dev 0

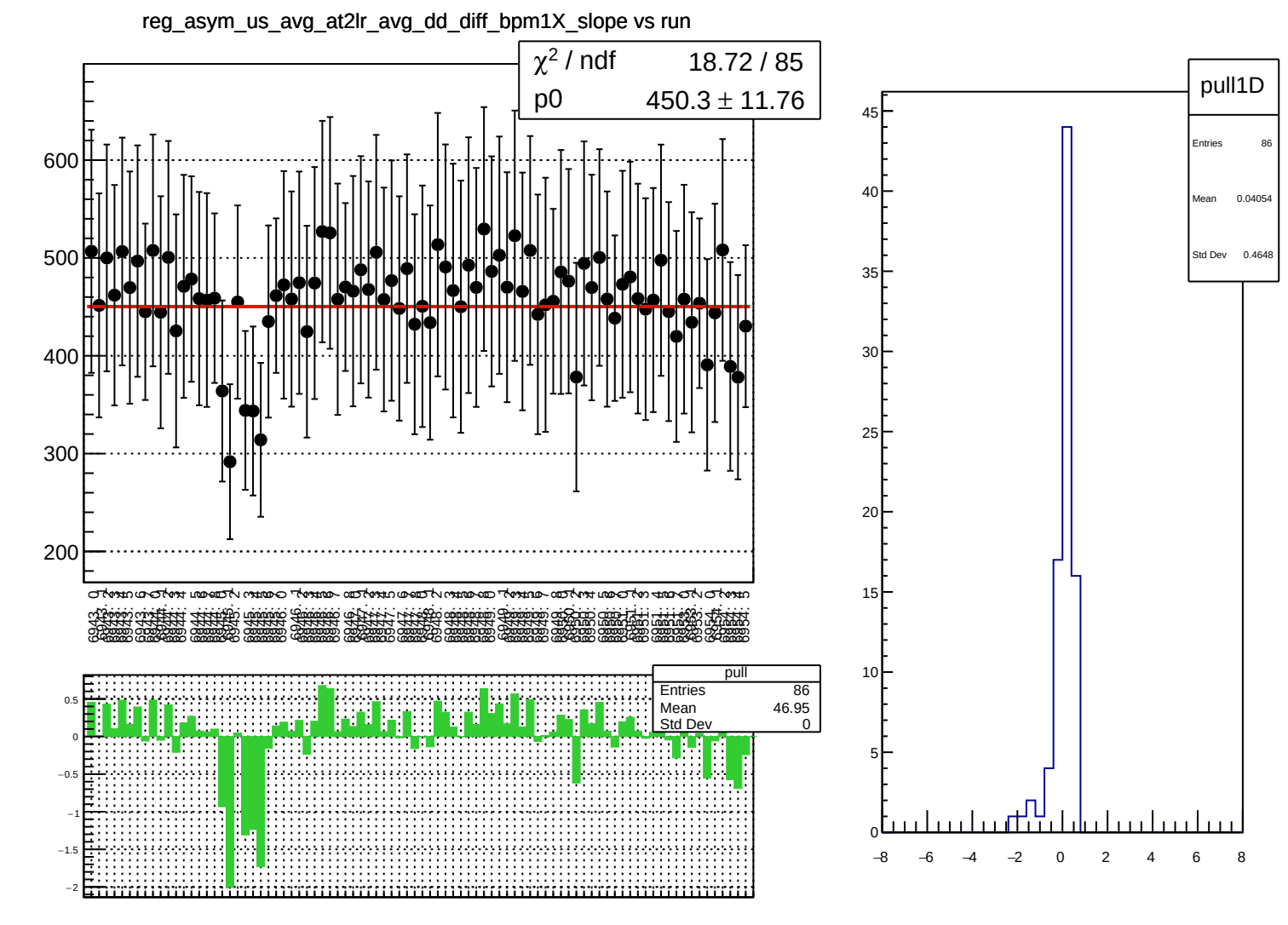

pull1D
Entries 86
Mean 0.009223
Std Dev 0.2633

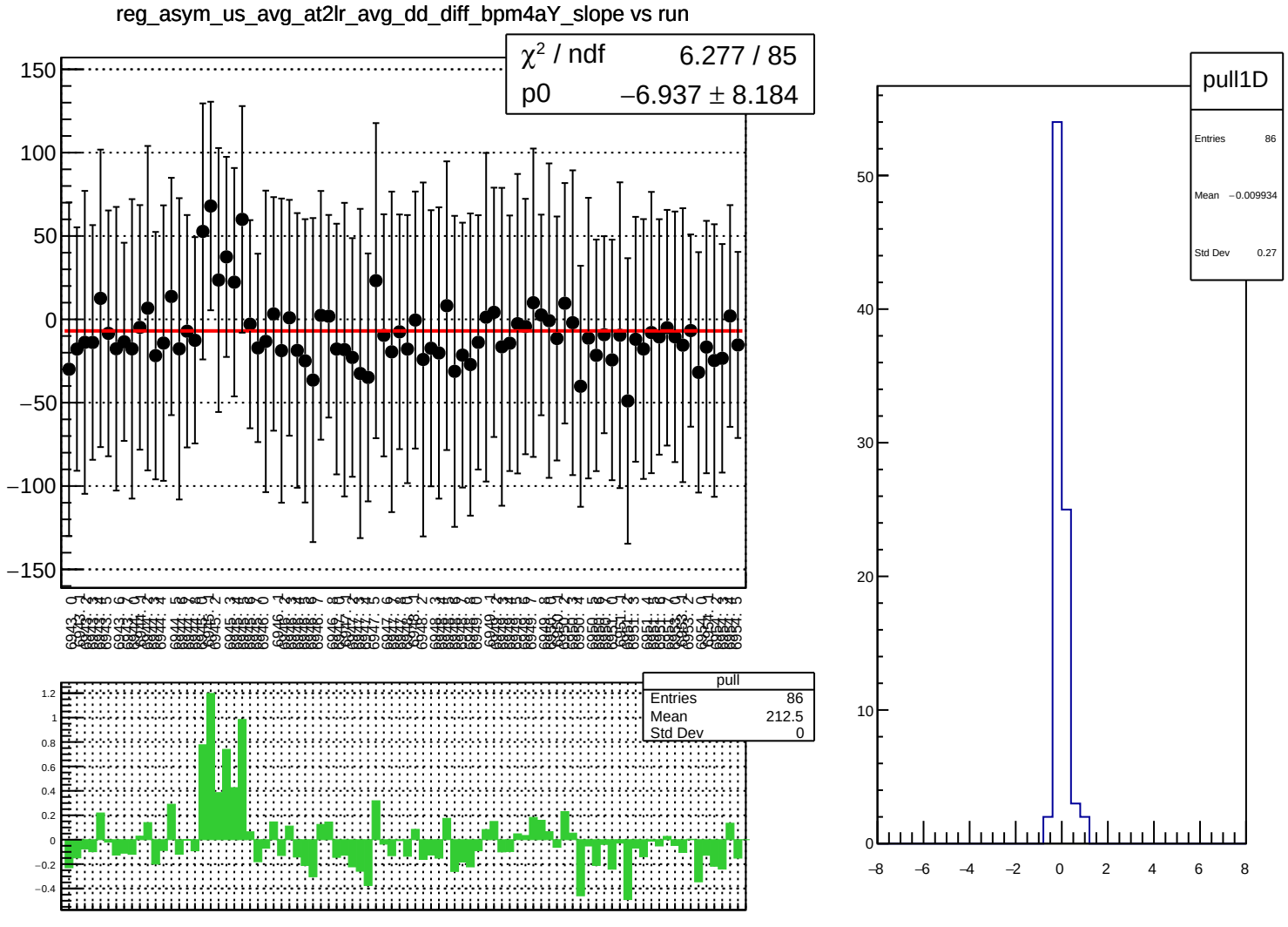

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.88 / 85
p0 581.3 ± 14.79
800
700
600
500
400
300
pull
Entries 86
Mean 55.88
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean 0.03764
Std Dev 0.4414
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

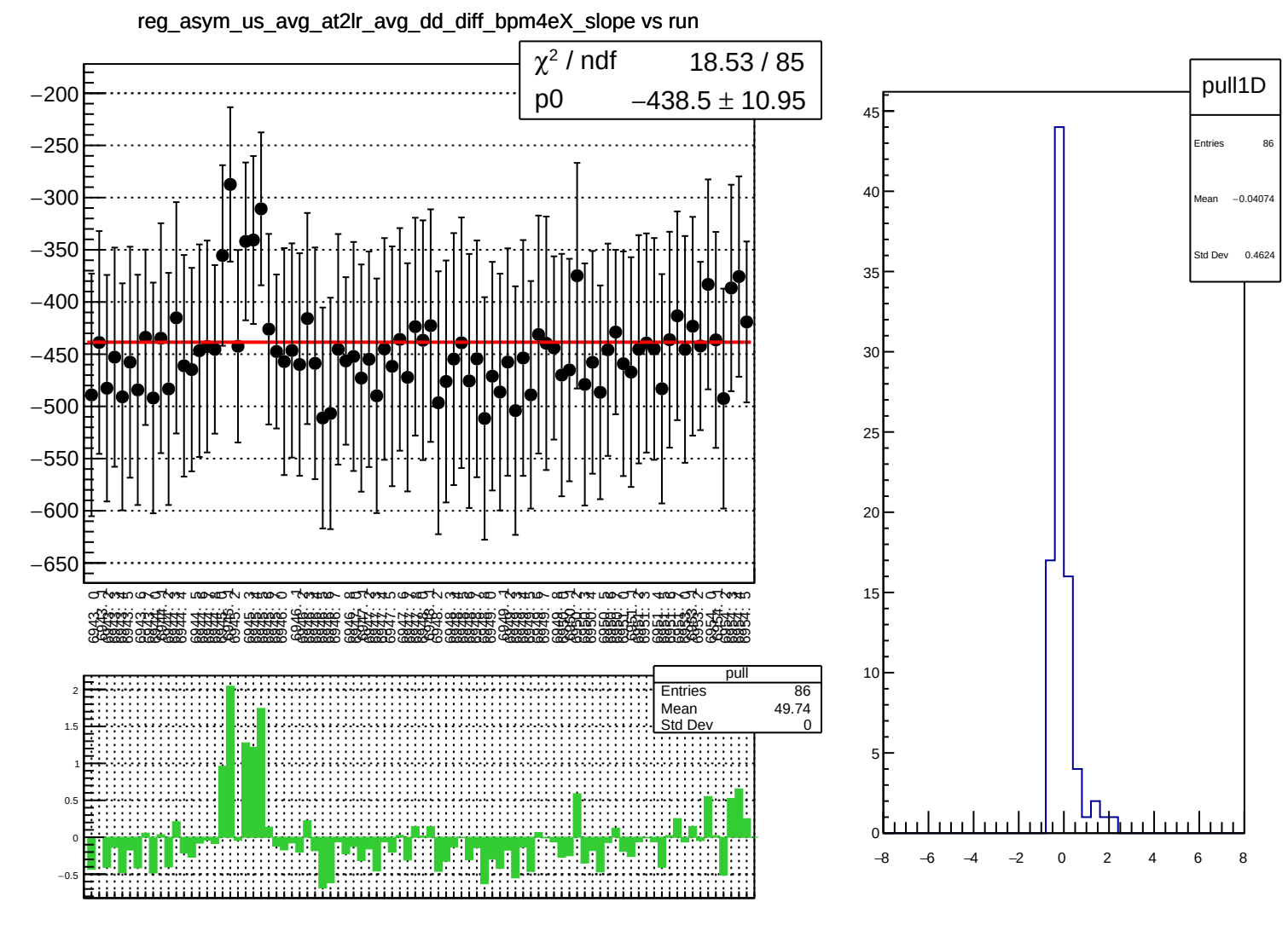

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.17 / 85
p0 154.1 ± 12.69
400
300
200
100
0
pull
Entries 86
Mean 247.9
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

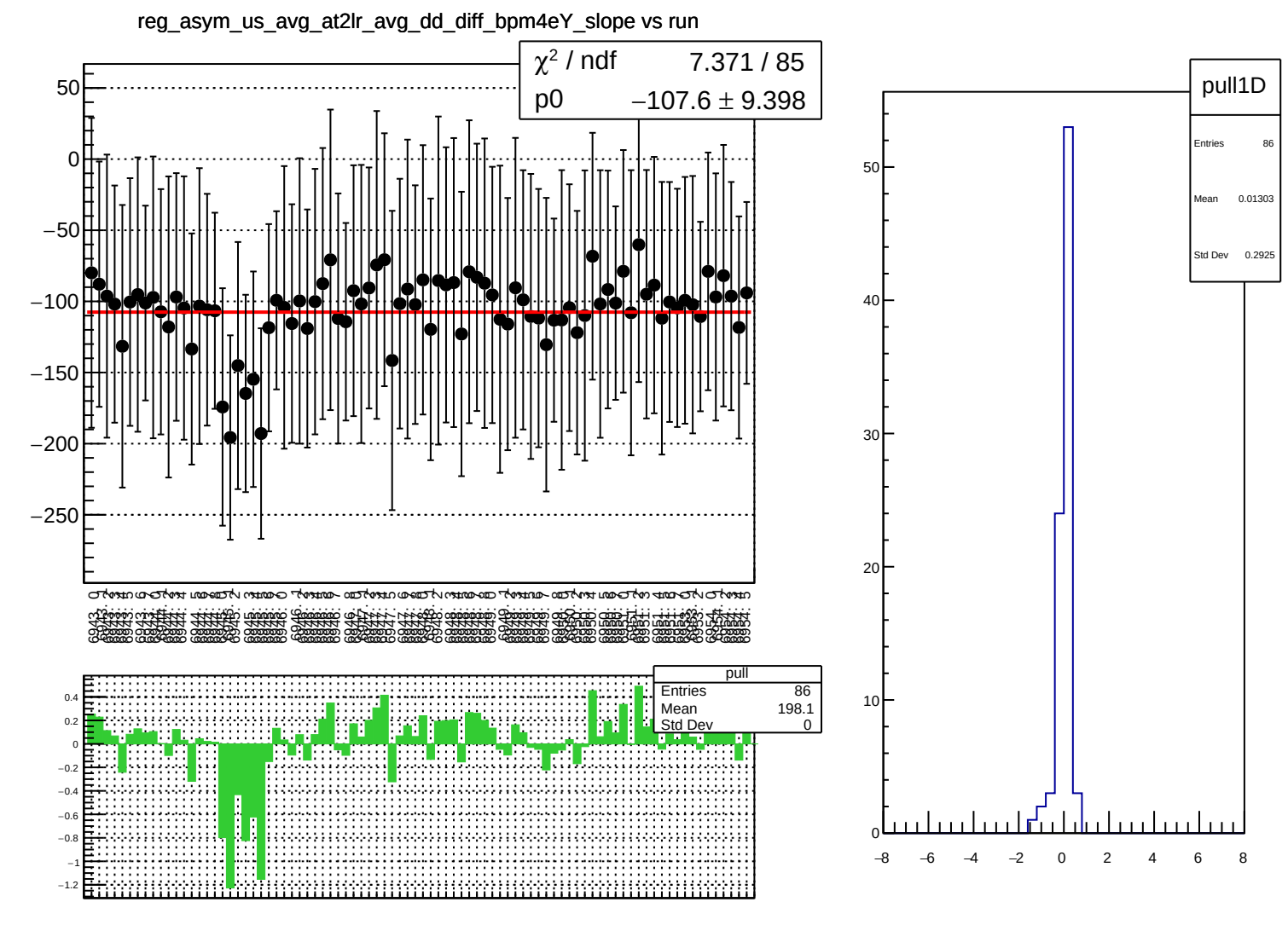

pull1D
Entries 86
Mean −0.0113
Std Dev 0.2885
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

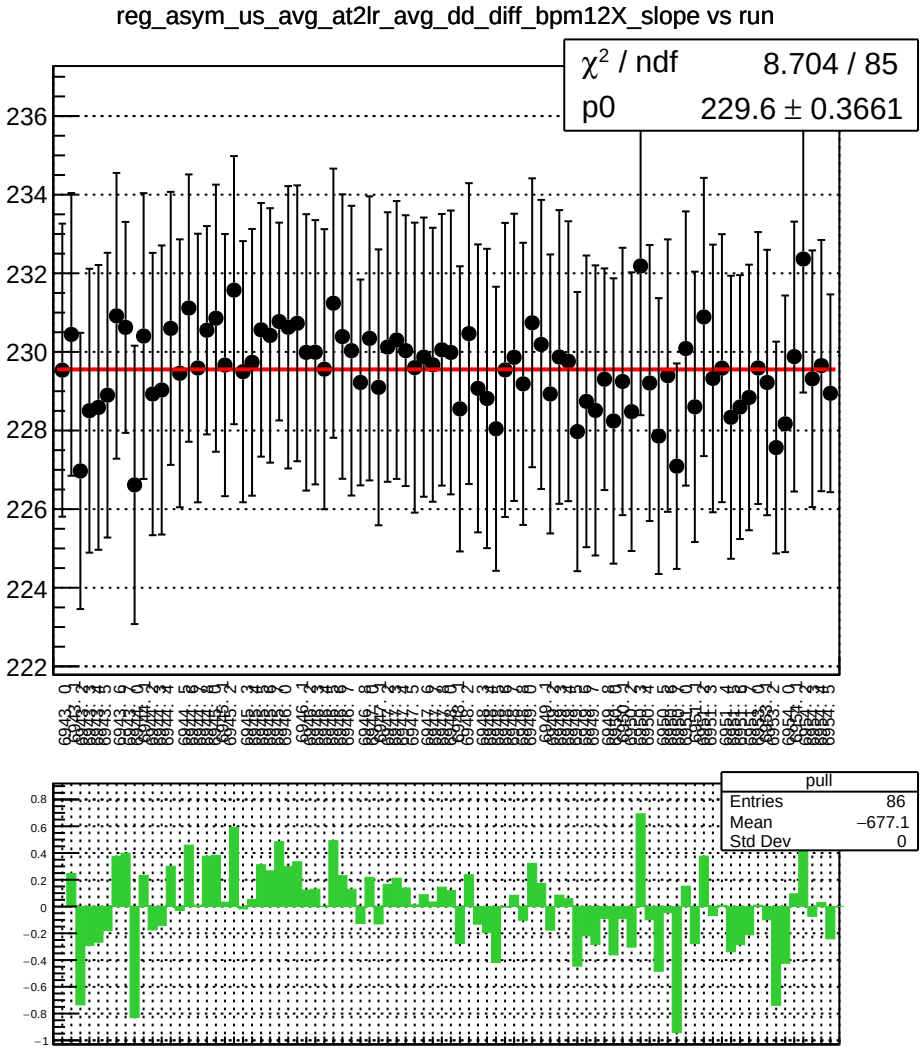

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 10.95 / 85
p0 −309.5 ± 0.4944
−300
−305
−310
−315
−320
pull
Entries 86
Mean −269.9
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.007365
Std Dev 0.3568
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

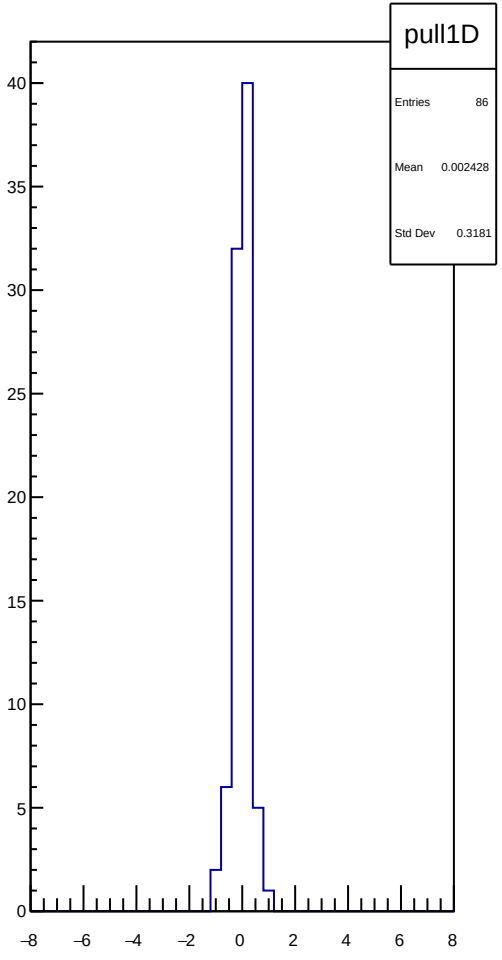

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 18.72 / 85
p0 450.3 ± 11.76
600
500
400
300
200
pull
Entries 86
Mean 46.95
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.04054
Std Dev 0.4648
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

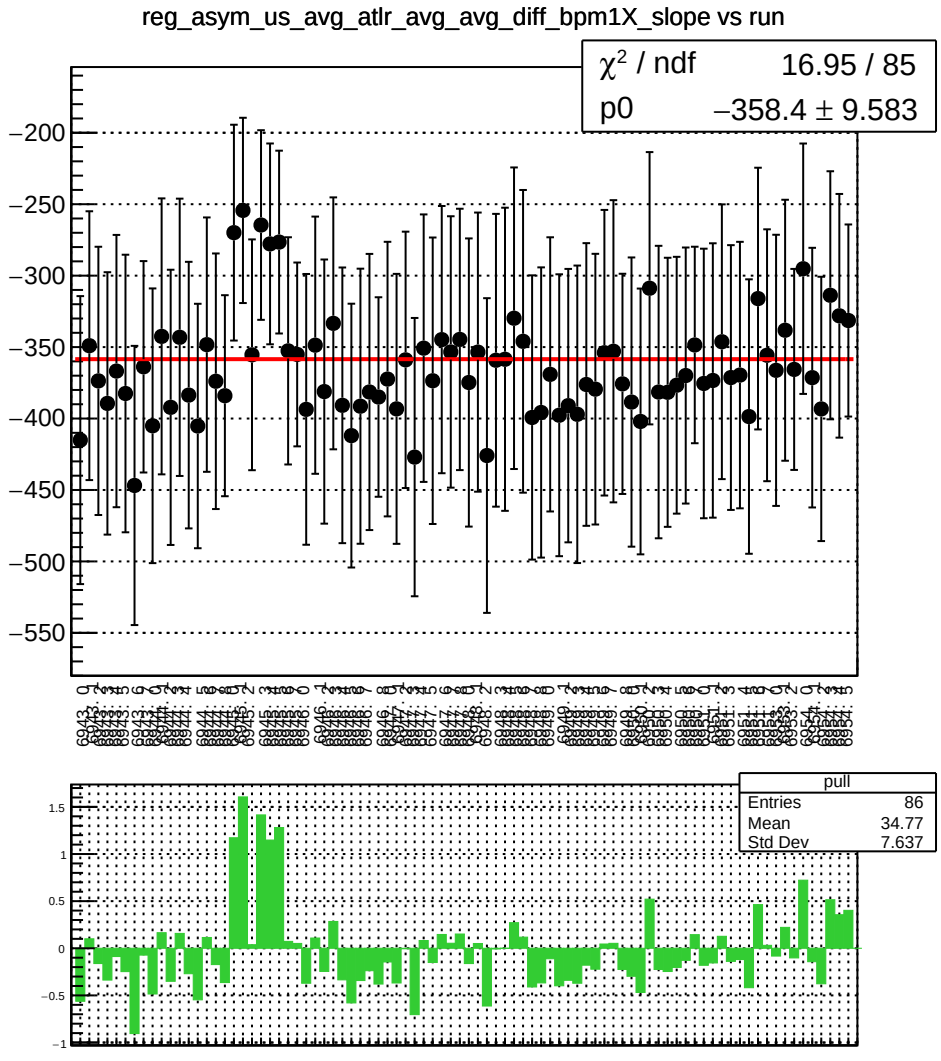

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.277 / 85
p0 −6.937 ± 8.184
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 212.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 86
Mean −0.009934
Std Dev 0.27
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

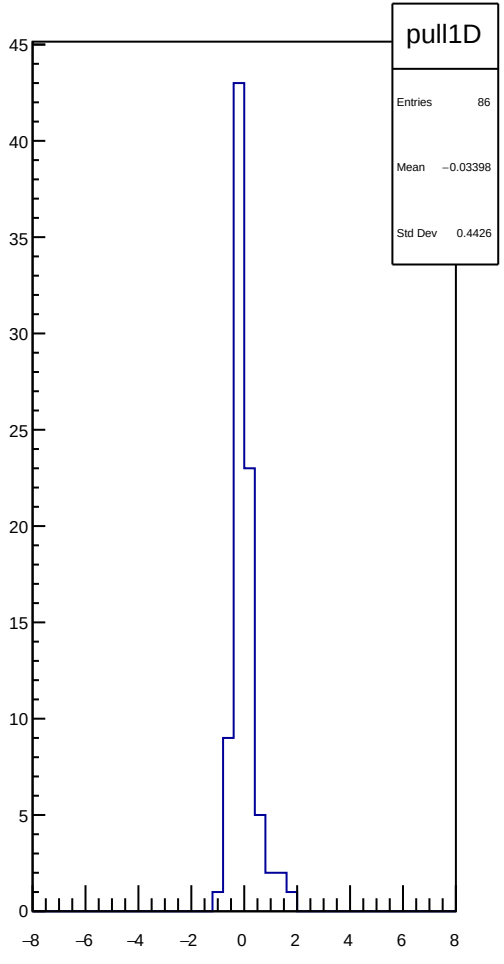

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.53 / 85
p0 −438.5 ± 10.95
pull
Entries 86
Mean 49.74
Std Dev 0
pull1D
Entries 86
Mean −0.04074
Std Dev 0.4624

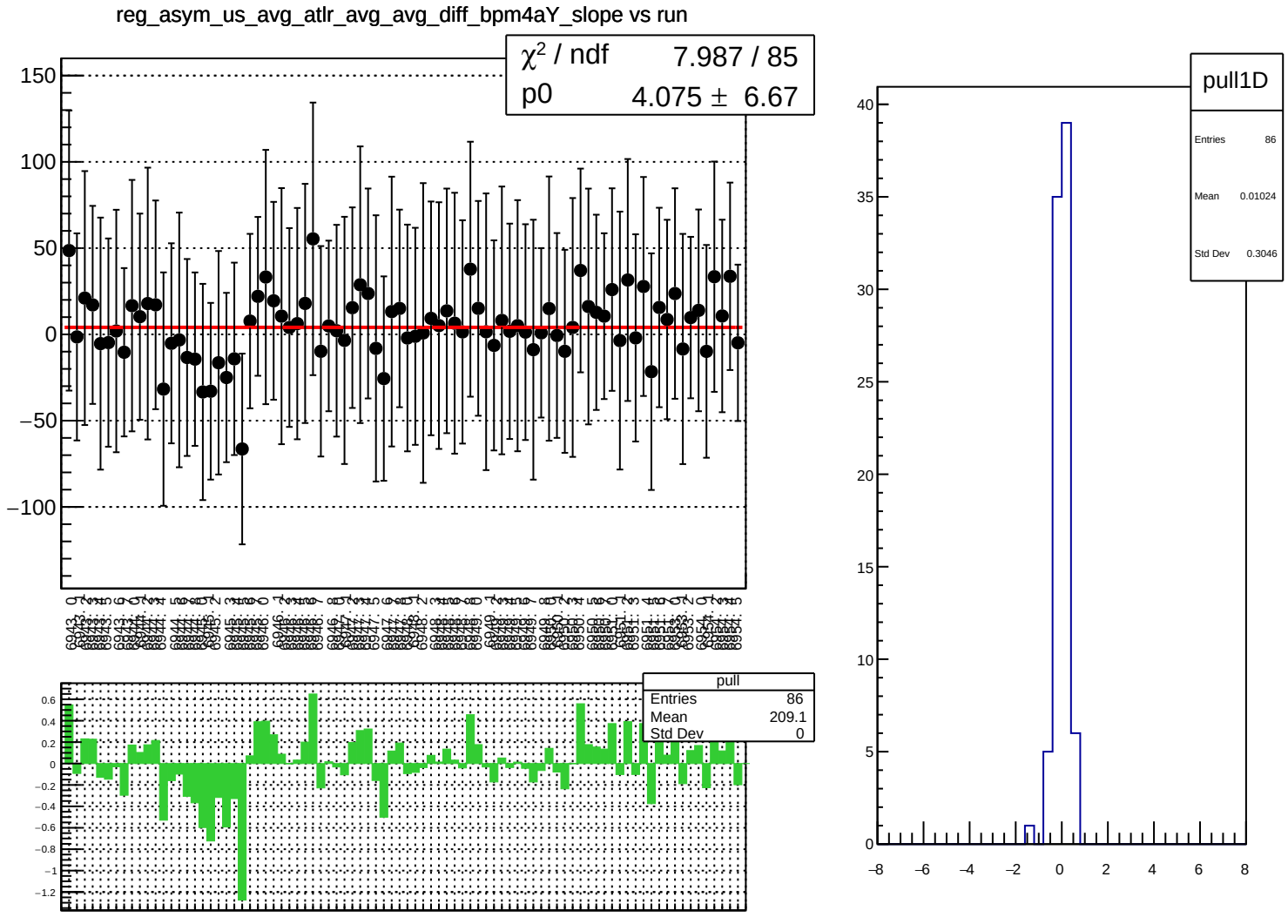

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.371 / 85
p0 −107.6 ± 9.398
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 198.1
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 86
Mean 0.01303
Std Dev 0.2925
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

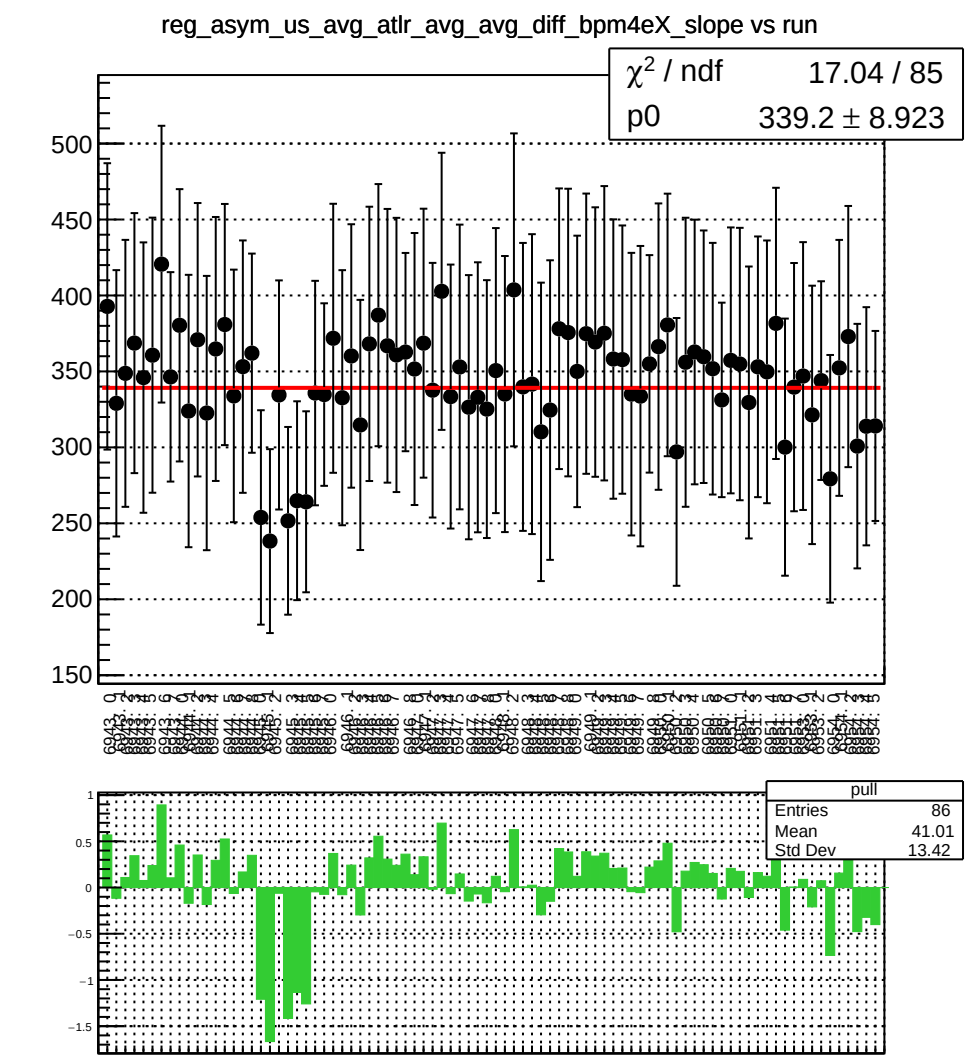

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 8.704 / 85
p0 229.6 ± 0.3661
pull
Entries 86
Mean −677.1
Std Dev 0

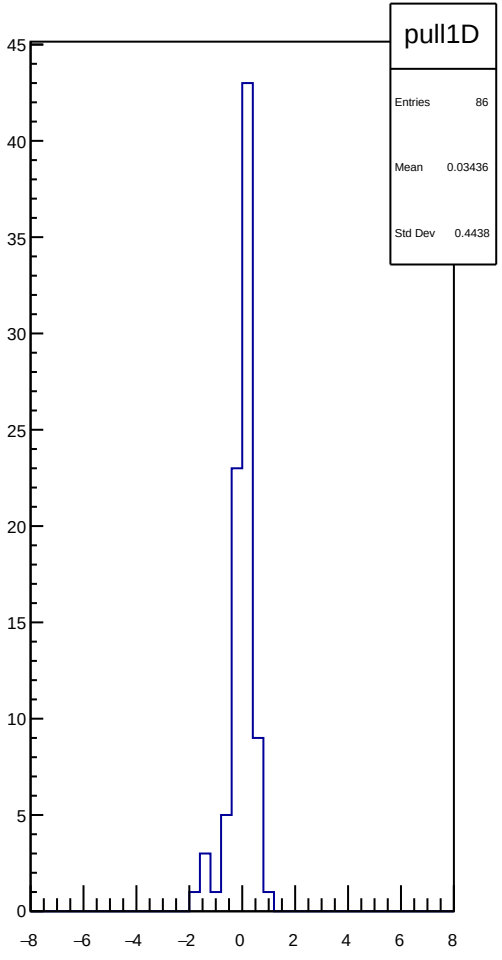

pull1D
Entries 86
Mean 0.002428
Std Dev 0.3181

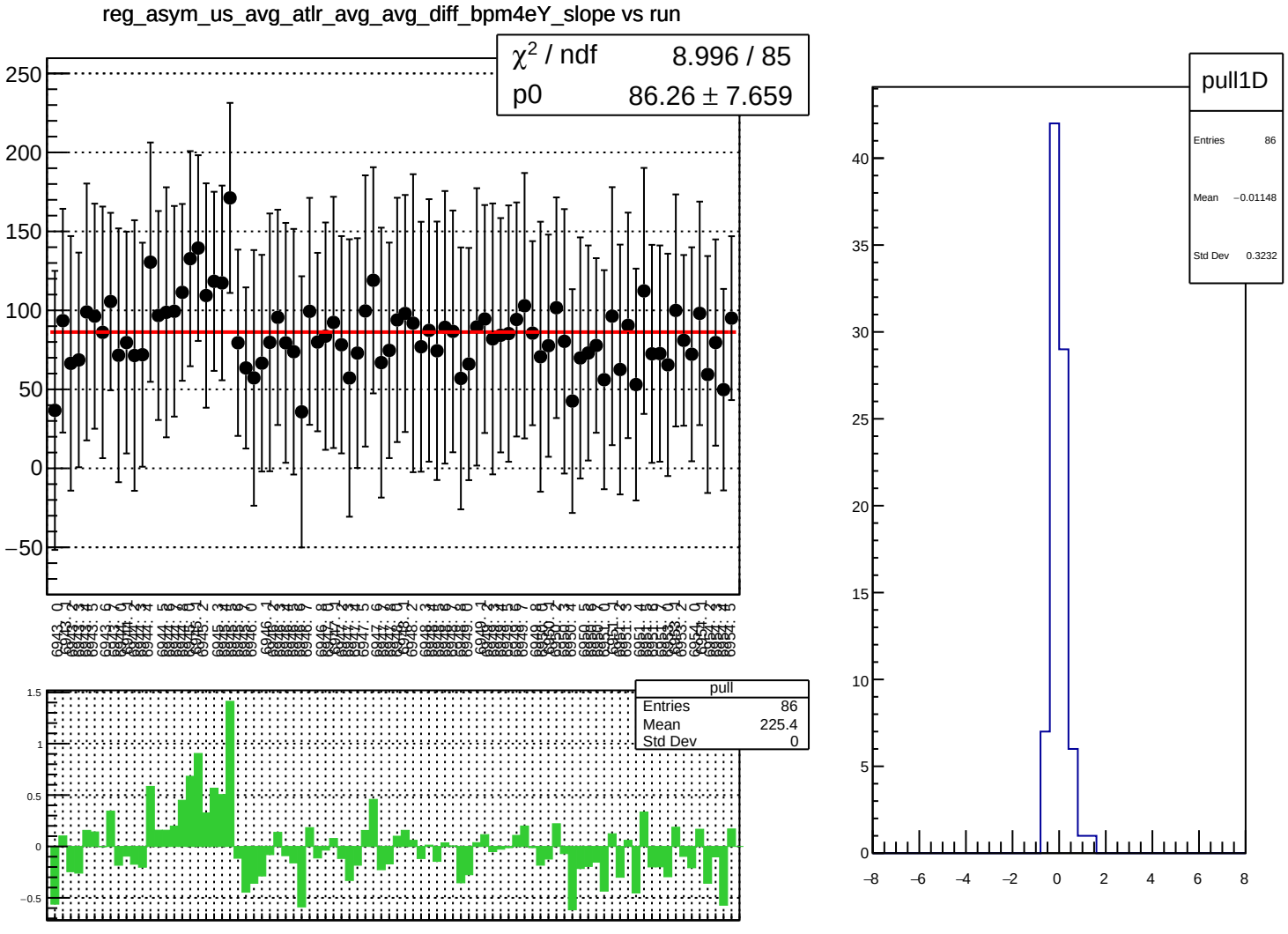

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 16.95 / 85
p0 −358.4 ± 9.583
pull
Entries 86
Mean 34.77
Std Dev 7.637

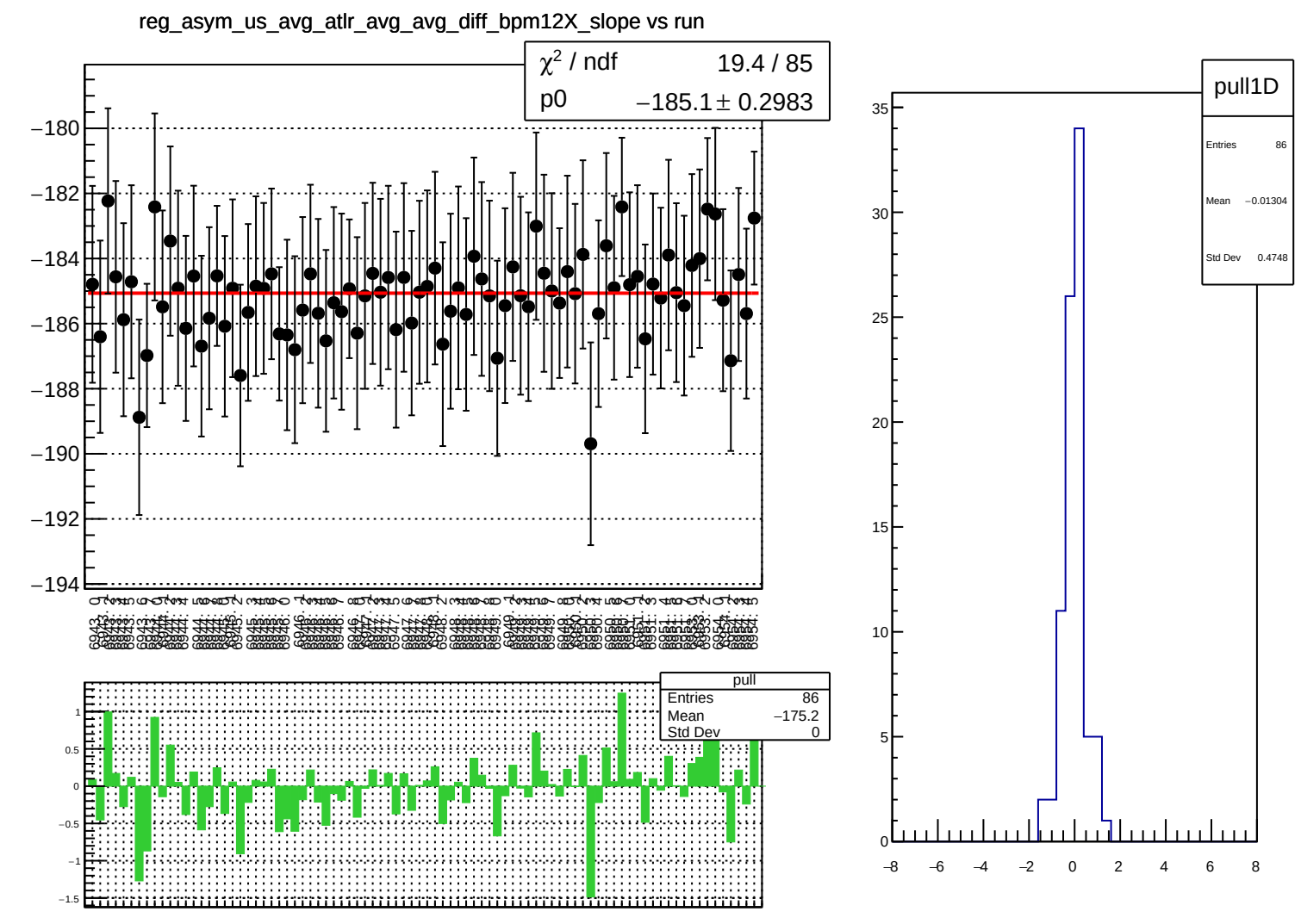

pull1D
Entries 86
Mean −0.03398
Std Dev 0.4426

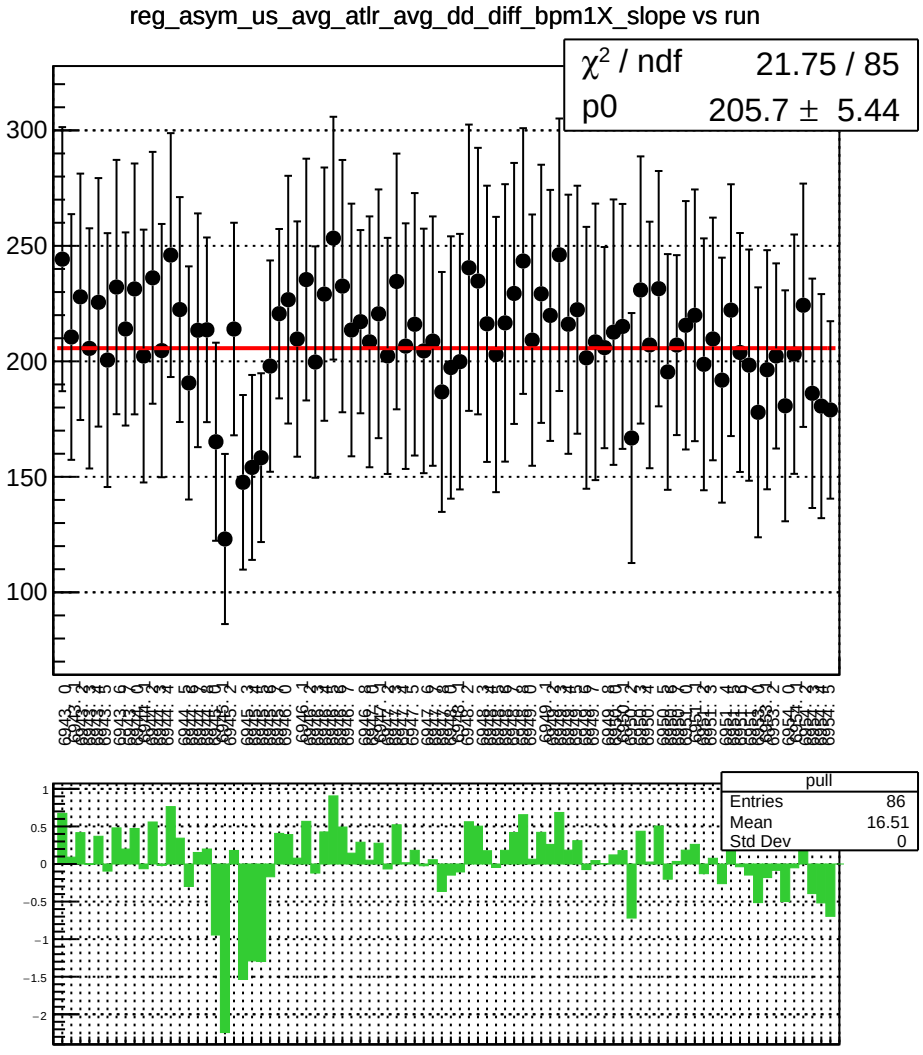

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.987 / 85
p0 4.075 ± 6.67
150
100
50
0
−50
−100
pull
Entries 86
Mean 209.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 86
Mean 0.01024
Std Dev 0.3046
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

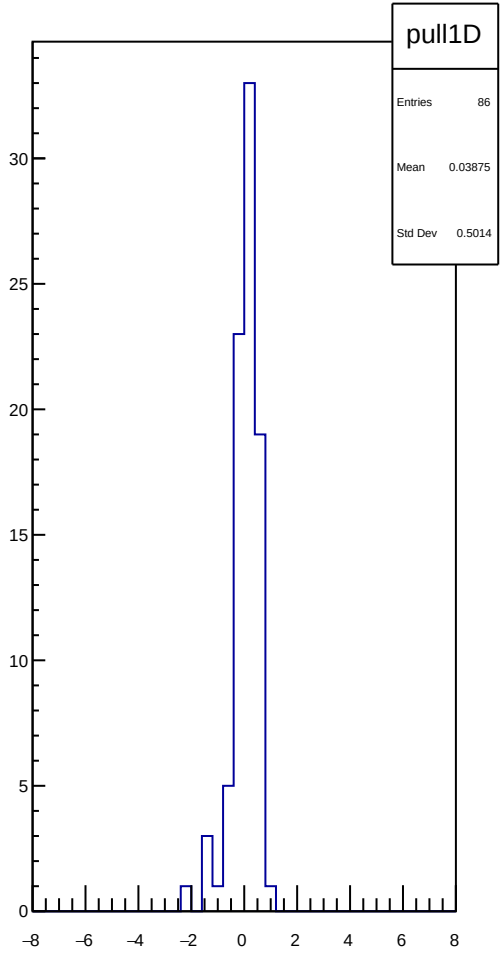

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.04 / 85
p0 339.2 ± 8.923
pull
Entries 86
Mean 41.01
Std Dev 13.42

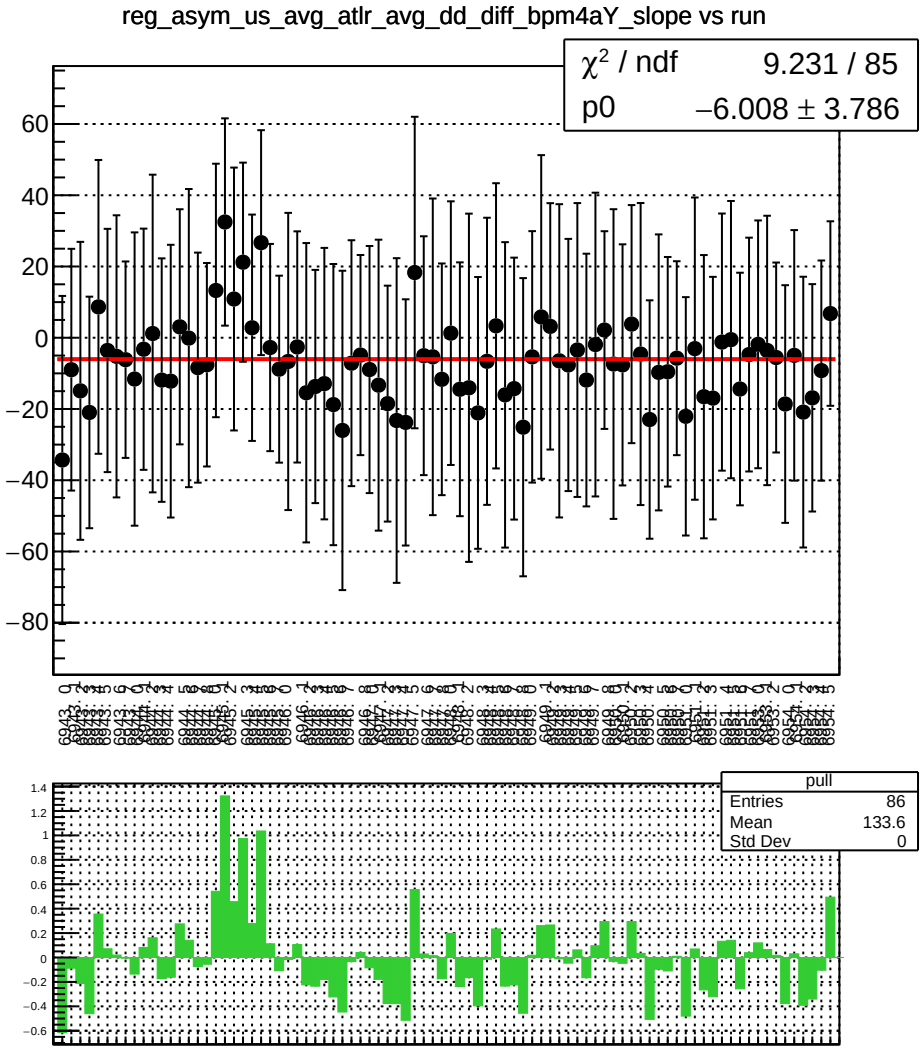

pull1D
Entries 86
Mean 0.03436
Std Dev 0.4438

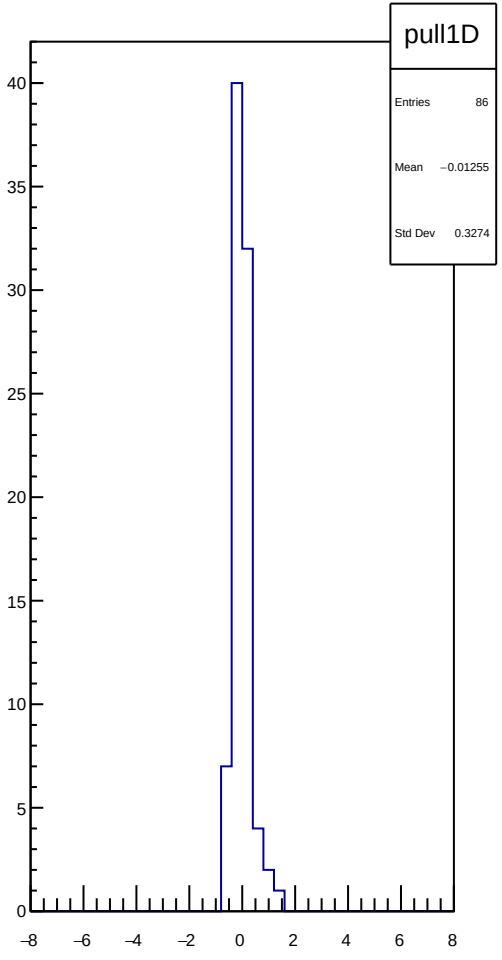

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.996 / 85
p0 86.26 ± 7.659
pull
Entries 86
Mean 225.4
Std Dev 0
pull1D
Entries 86
Mean −0.01148
Std Dev 0.3232

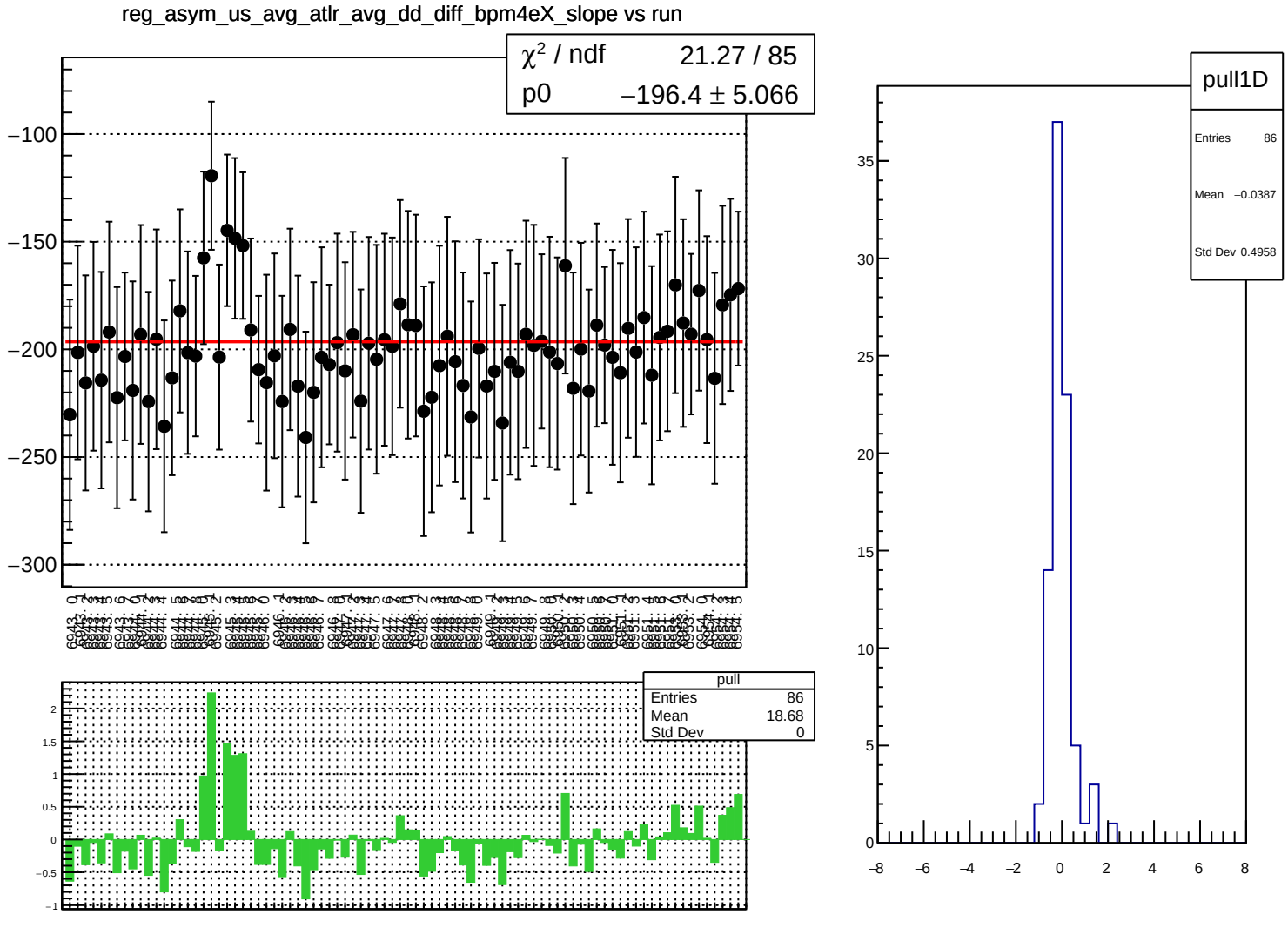

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.4 / 85
p0 −185.1 ± 0.2983
pull
Entries 86
Mean −175.2
Std Dev 0
pull1D
Entries 86
Mean −0.01304
Std Dev 0.4748

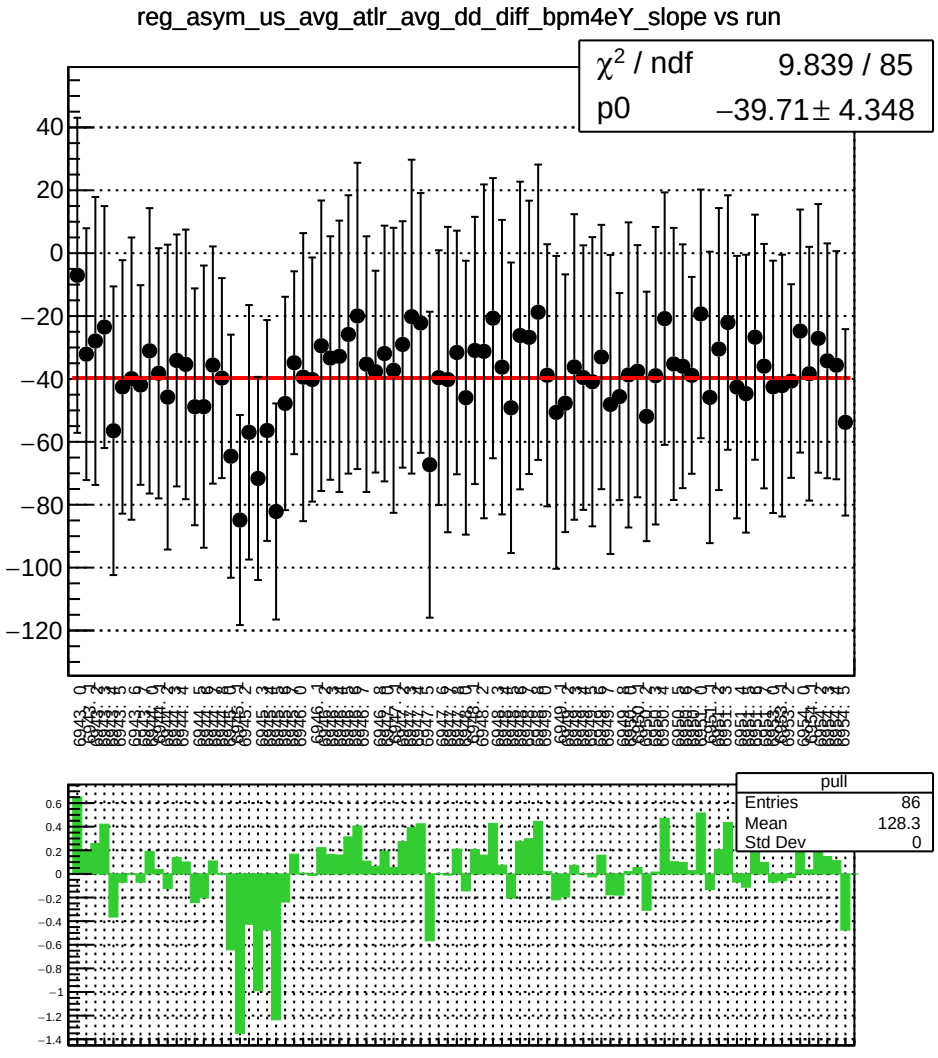

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 21.75 / 85
p0 205.7 ± 5.44
300
250
200
150
100
pull
Entries 86
Mean 16.51
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

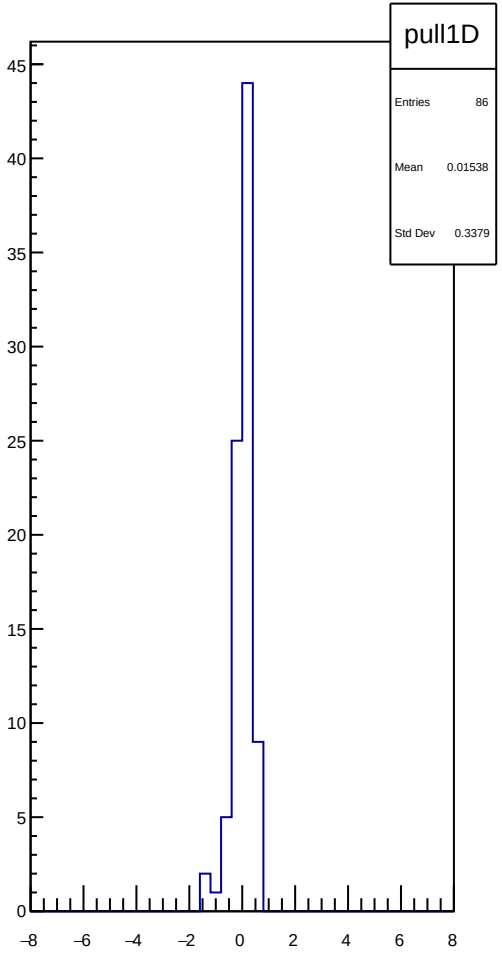

pull1D
Entries 86
Mean 0.03875
Std Dev 0.5014
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

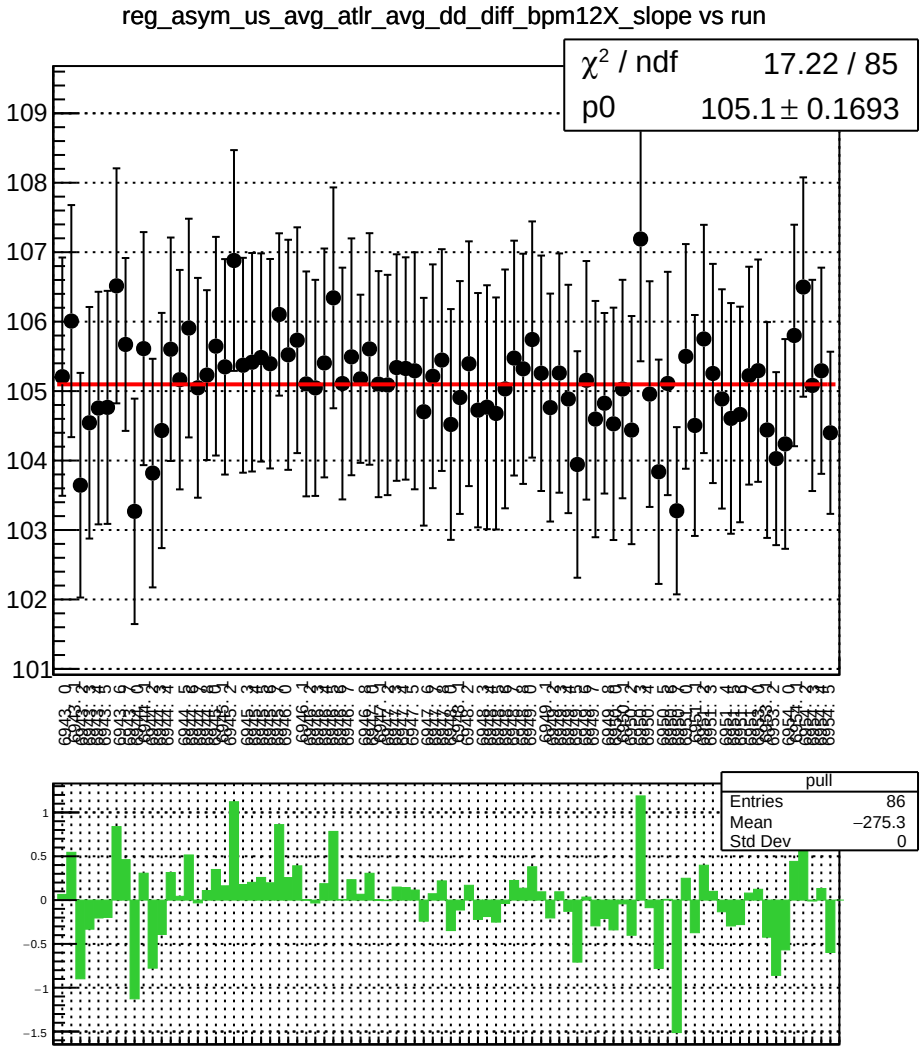

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.231 / 85
p0 −6.008 ± 3.786
pull
Entries 86
Mean 133.6
Std Dev 0

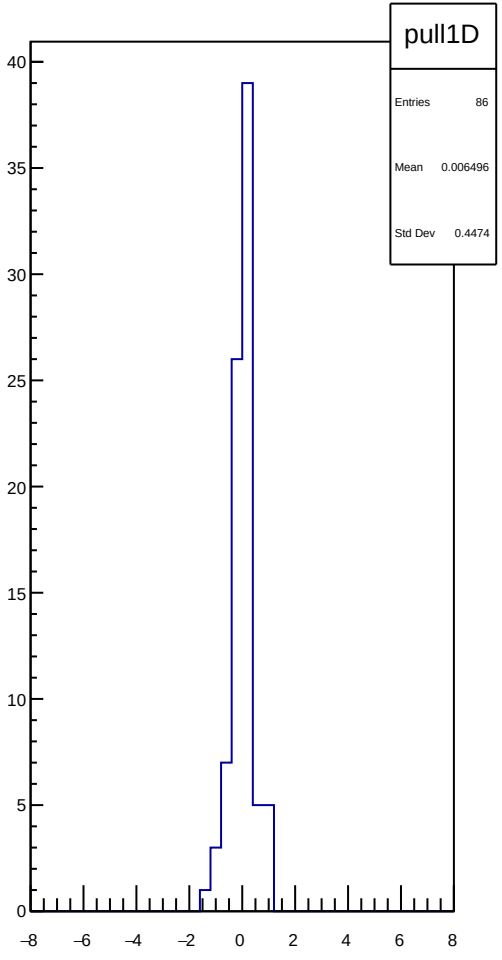

pull1D
Entries 86
Mean −0.01255
Std Dev 0.3274

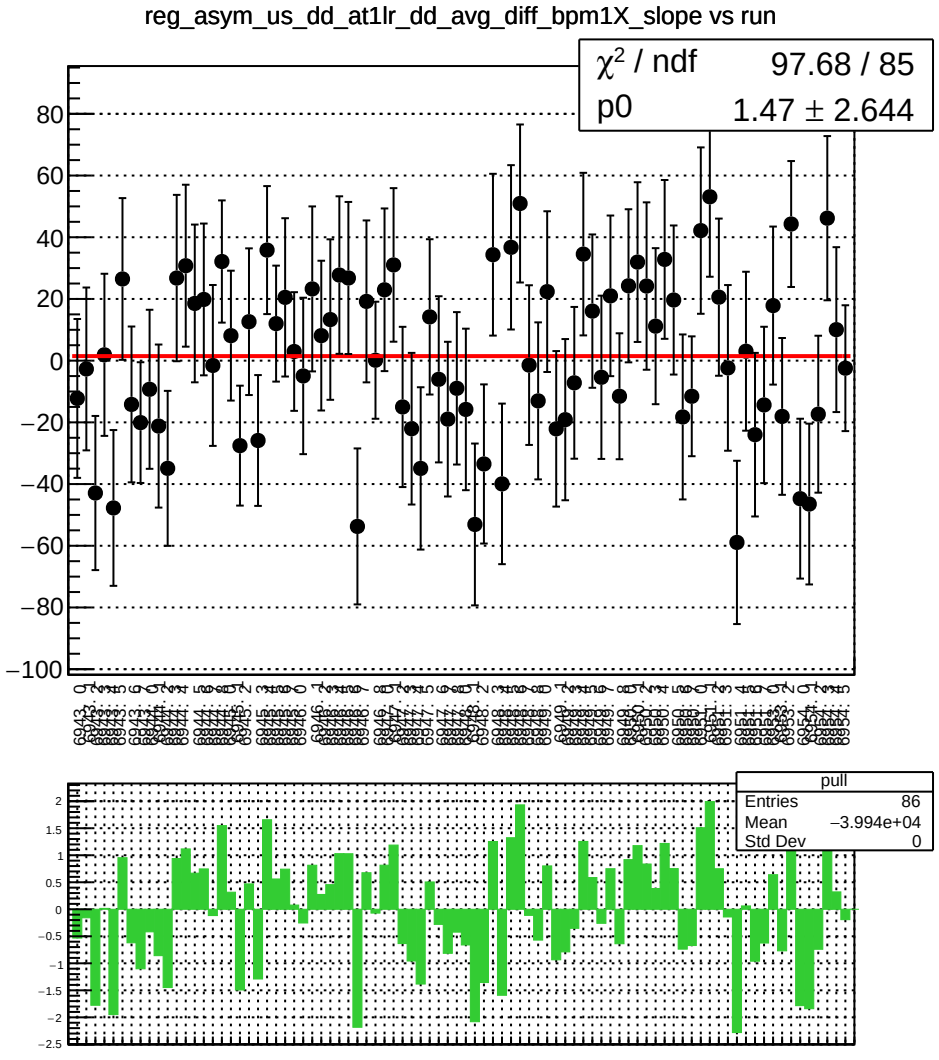

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.27 / 85
p0 −196.4 ± 5.066
pull
Entries 86
Mean 18.68
Std Dev 0
pull1D
Entries 86
Mean −0.0387
Std Dev 0.4958

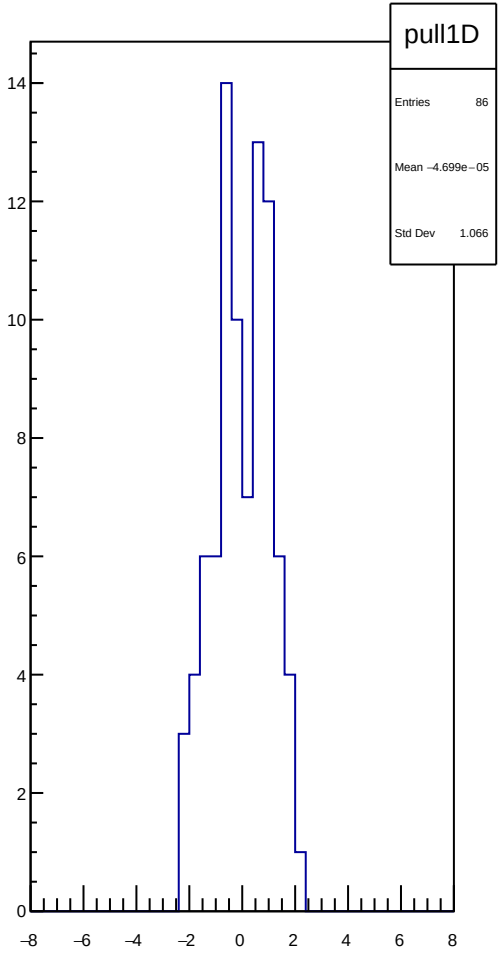

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.839 / 85
p0 −39.71 ± 4.348
pull
Entries 86
Mean 128.3
Std Dev 0

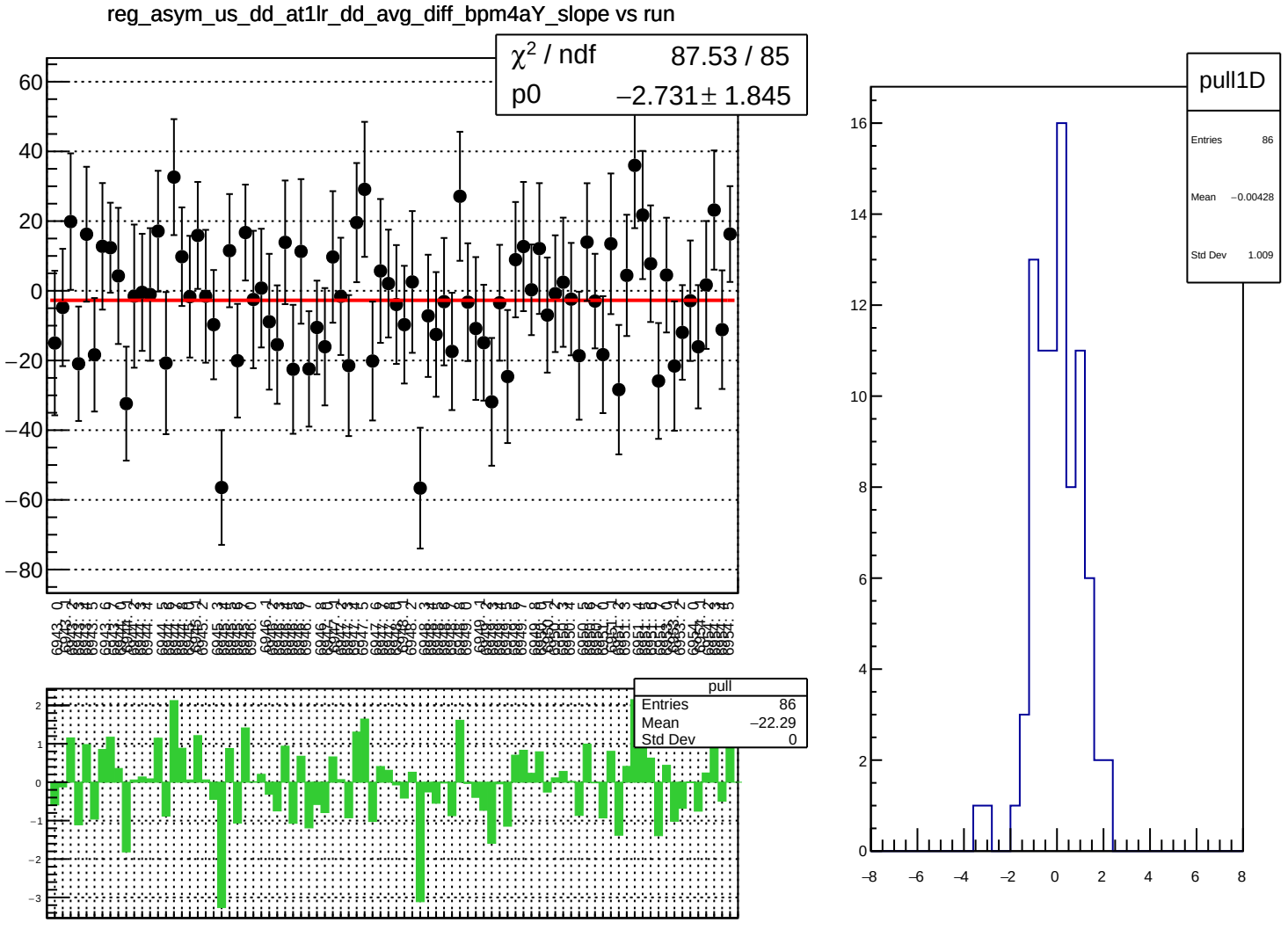

pull1D
Entries 86
Mean 0.01538
Std Dev 0.3379

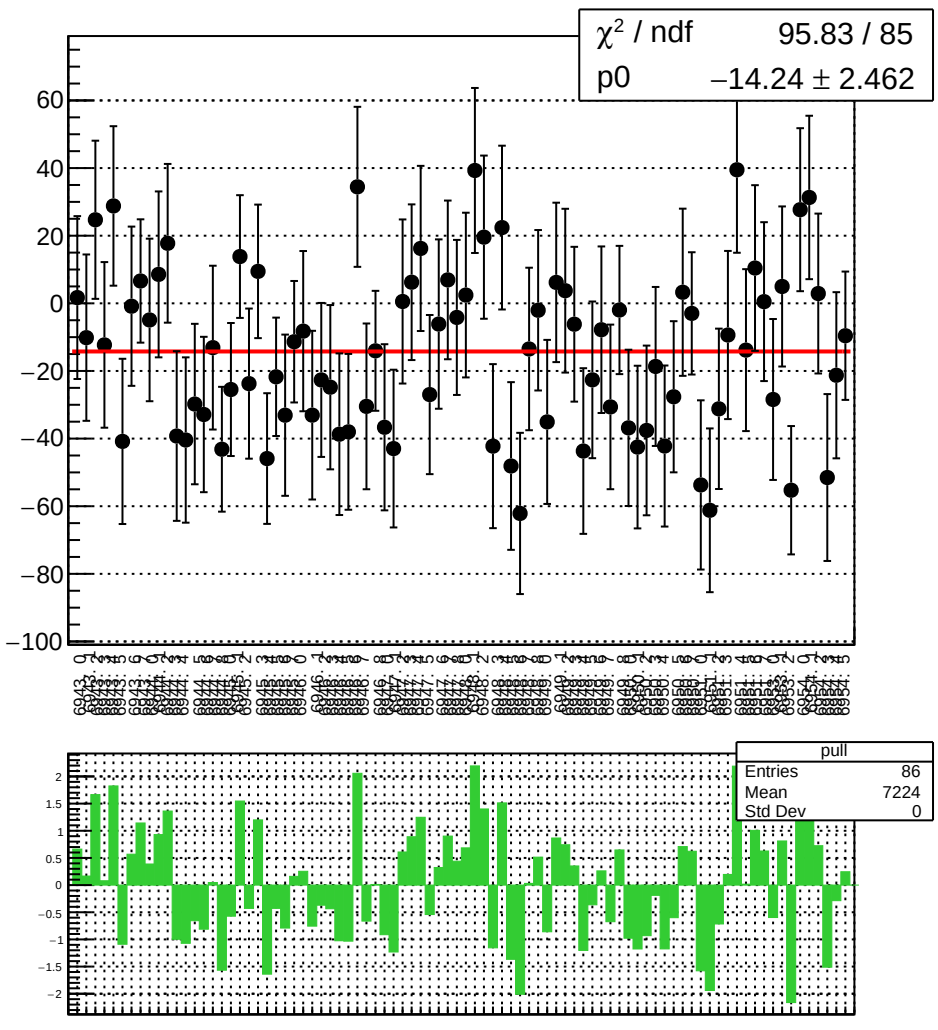

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 17.22 / 85
p0 105.1 ± 0.1693
pull
Entries 86
Mean −275.3
Std Dev 0

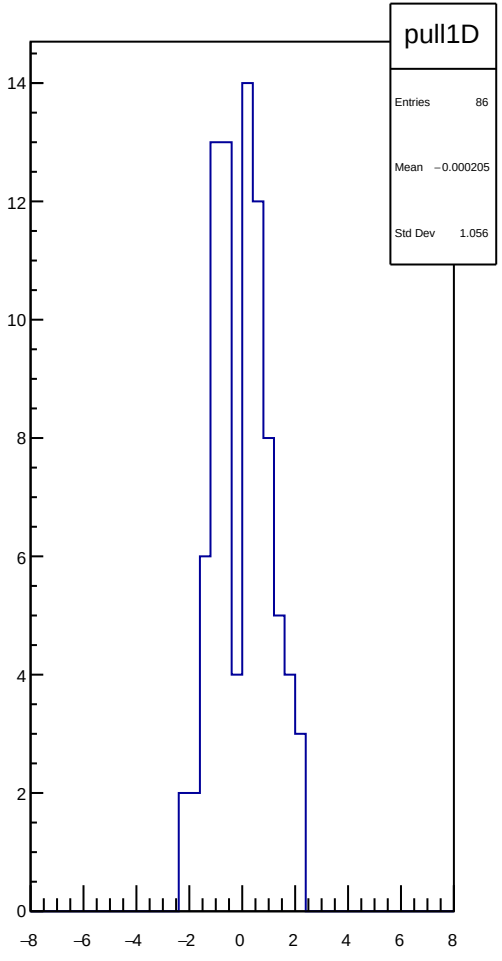

pull1D
Entries 86
Mean 0.006496
Std Dev 0.4474

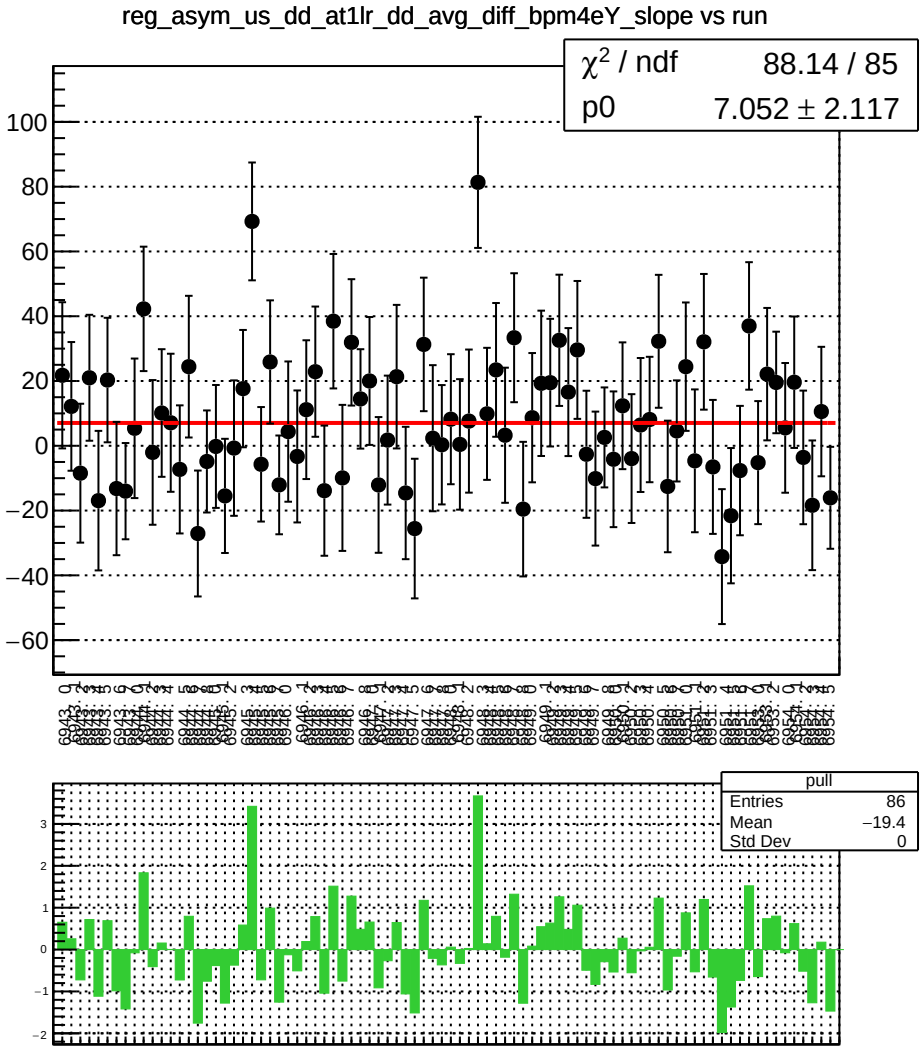

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 97.68 / 85
p0 1.47 ± 2.644
pull
Entries 86
Mean −3.994e+04
Std Dev 0

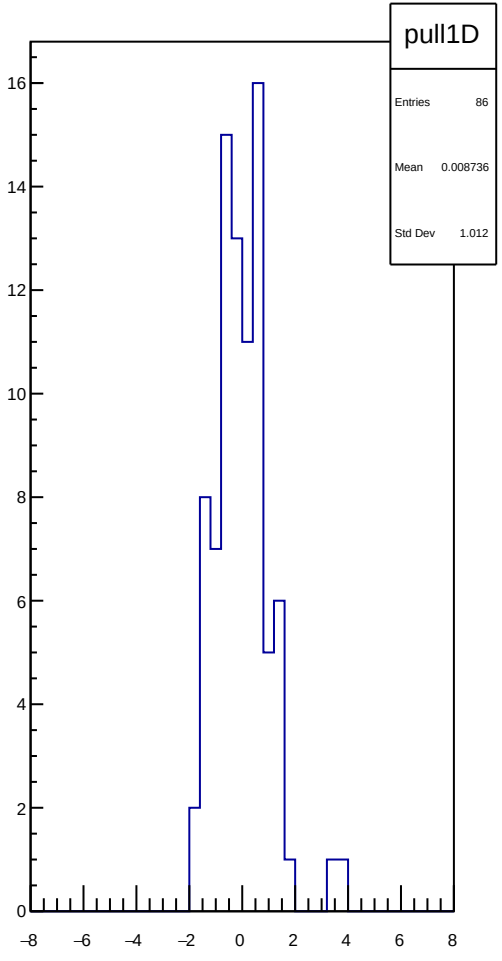

pull1D
Entries 86
Mean −4.699e−05
Std Dev 1.066

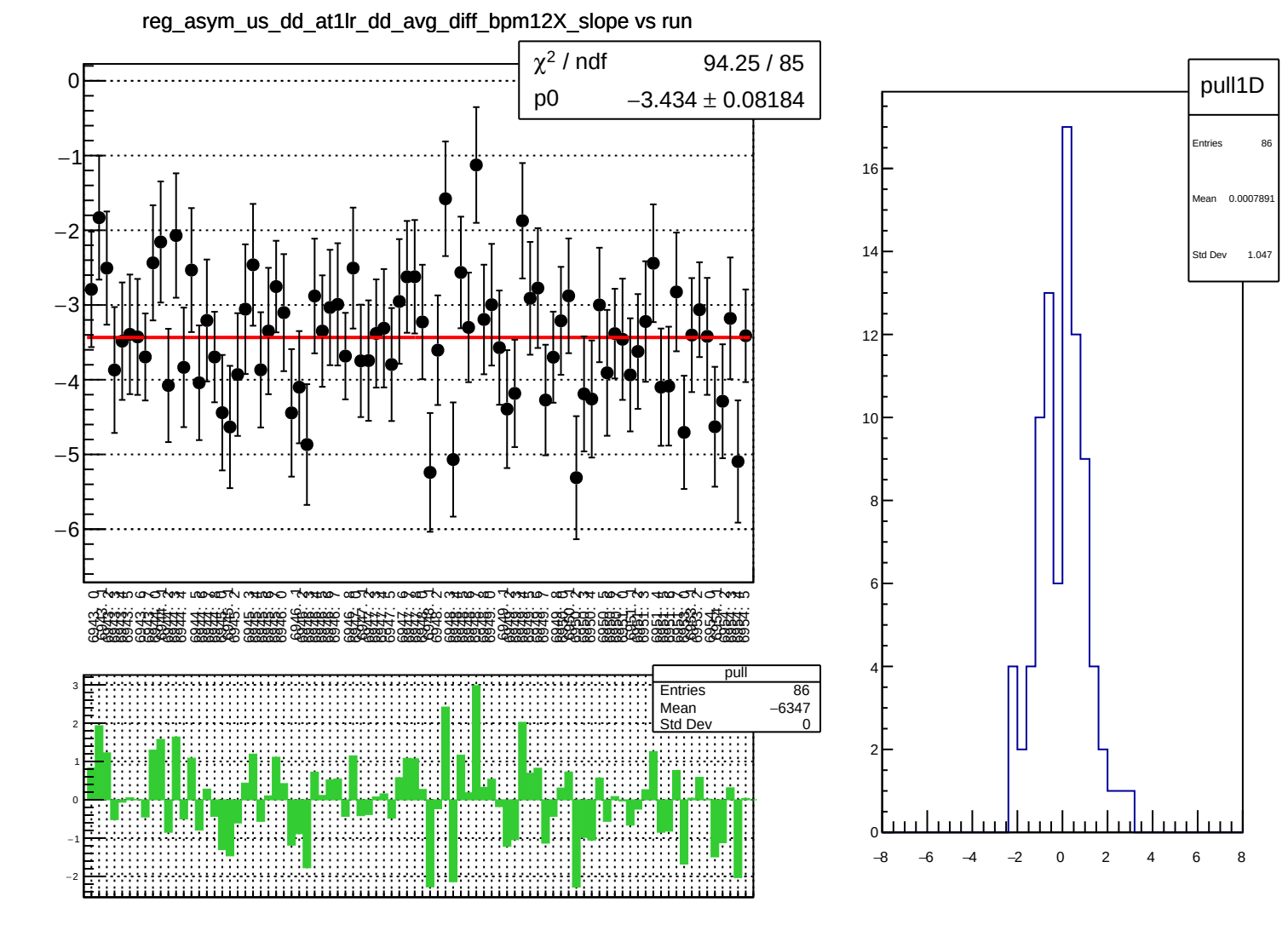

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.53 / 85
p0 −2.731 ± 1.845
pull
Entries 86
Mean −22.29
Std Dev 0
pull1D
Entries 86
Mean −0.00428
Std Dev 1.009

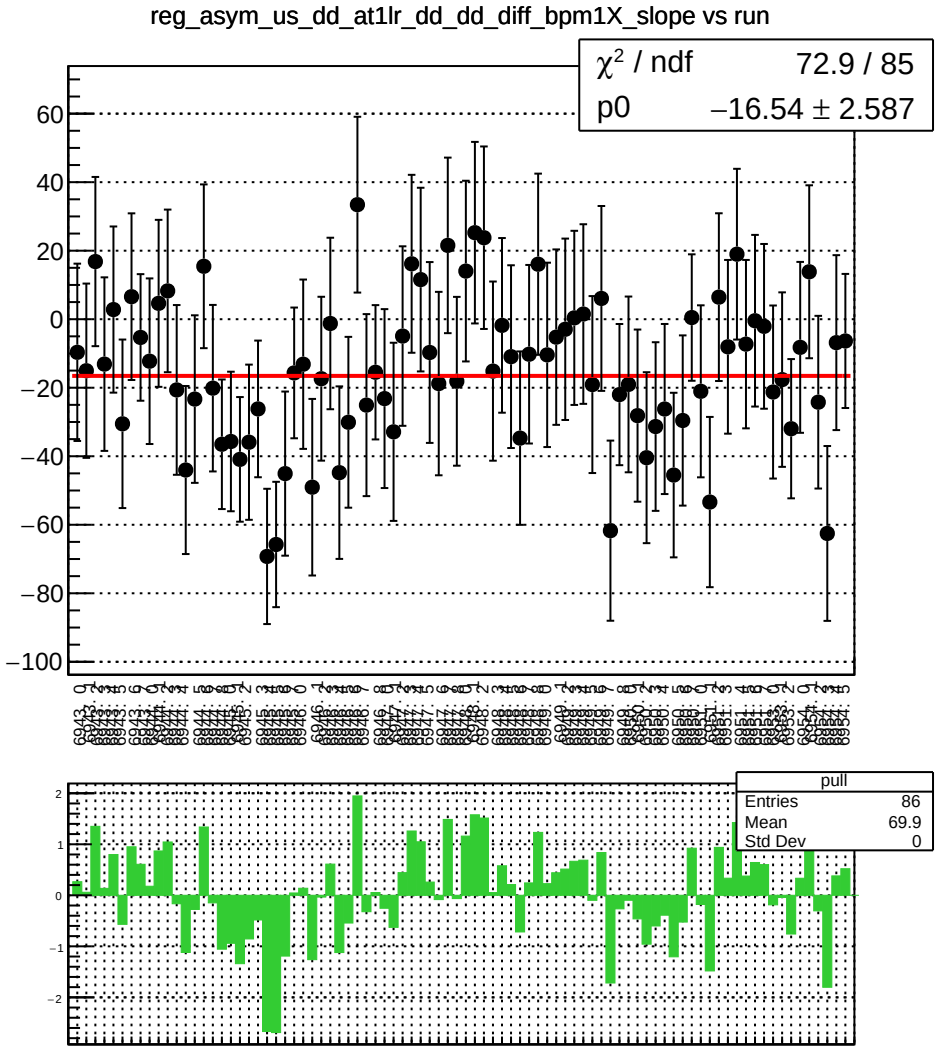

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.83 / 85
p0 −14.24 ± 2.462
pull
Entries 86
Mean 7224
Std Dev 0

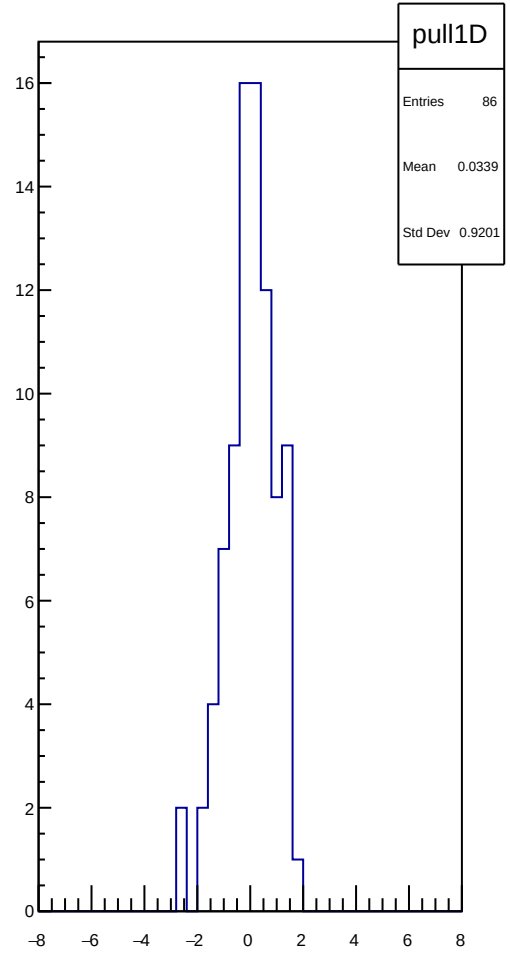

pull1D
Entries 86
Mean −0.000205
Std Dev 1.056

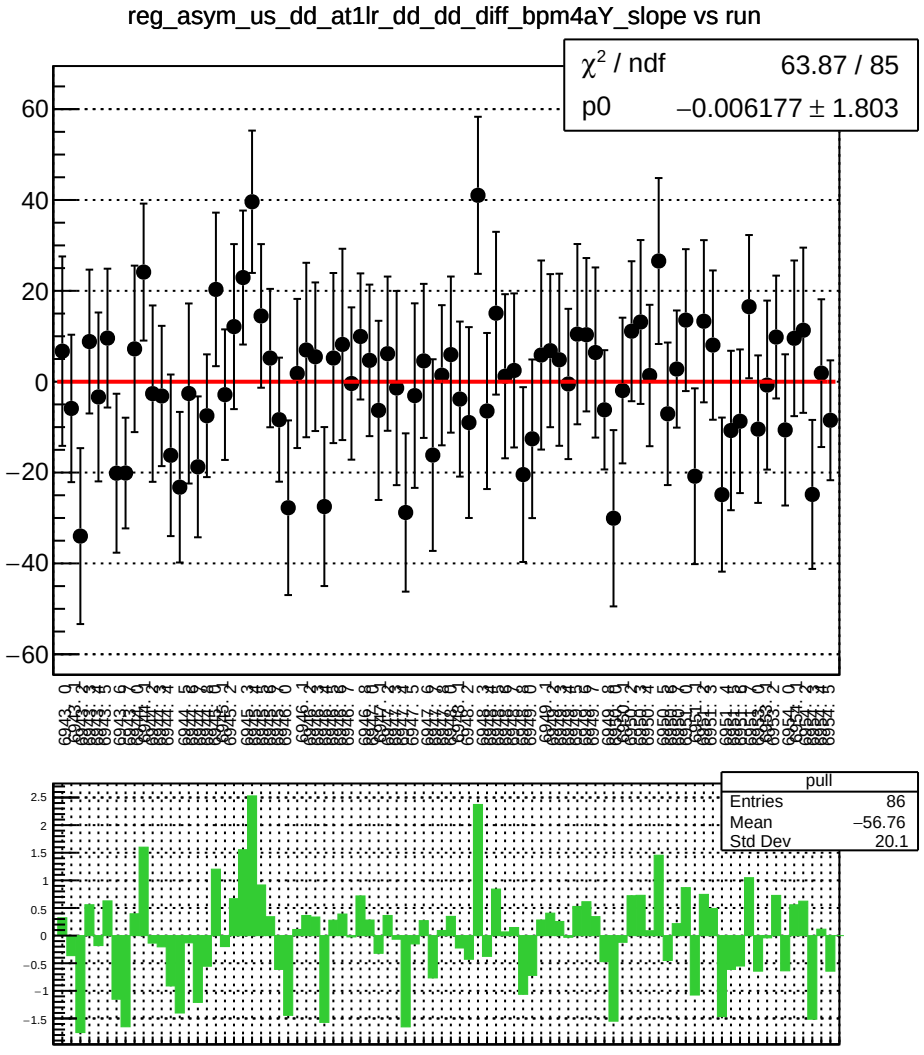

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.14 / 85
p0 7.052 ± 2.117
pull
Entries 86
Mean −19.4
Std Dev 0

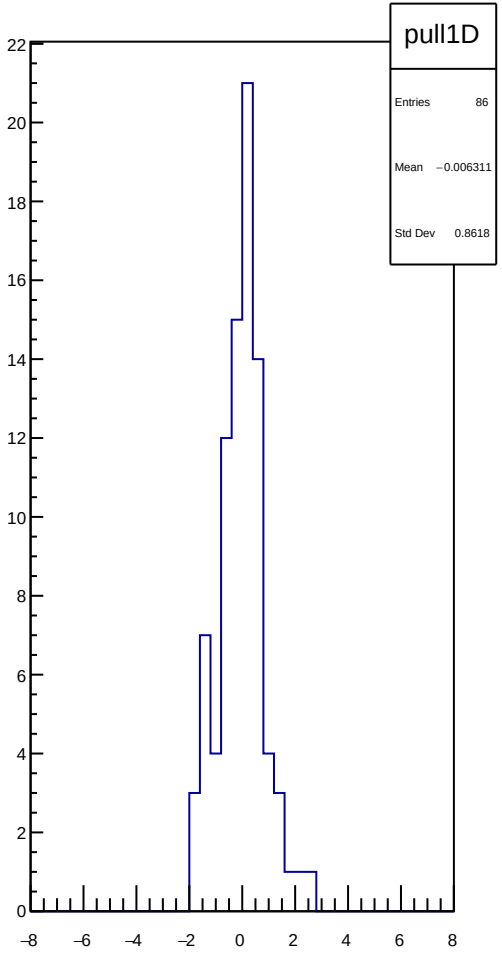

pull1D
Entries 86
Mean 0.008736
Std Dev 1.012

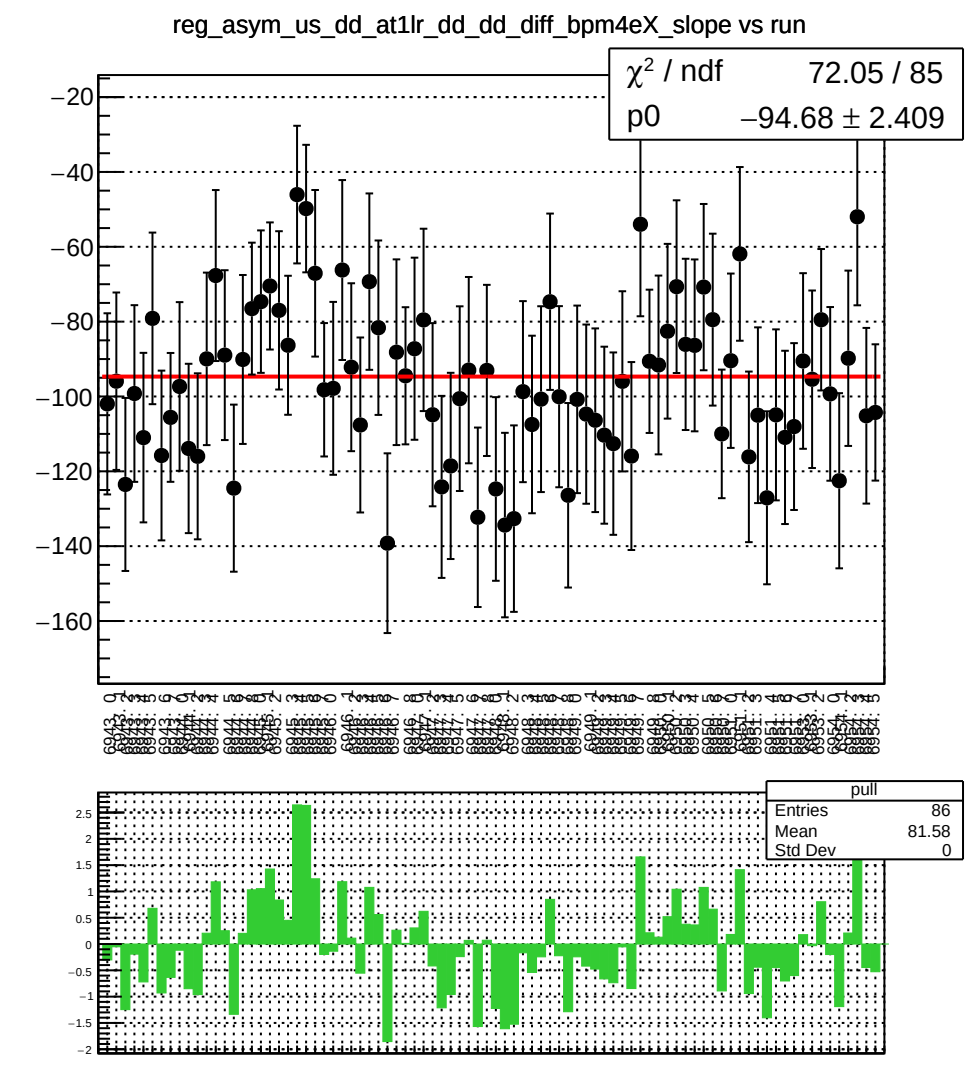

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 94.25 / 85
p0 −3.434 ± 0.08184
pull
Entries 86
Mean −6347
Std Dev 0
pull1D
Entries 86
Mean 0.0007891
Std Dev 1.047

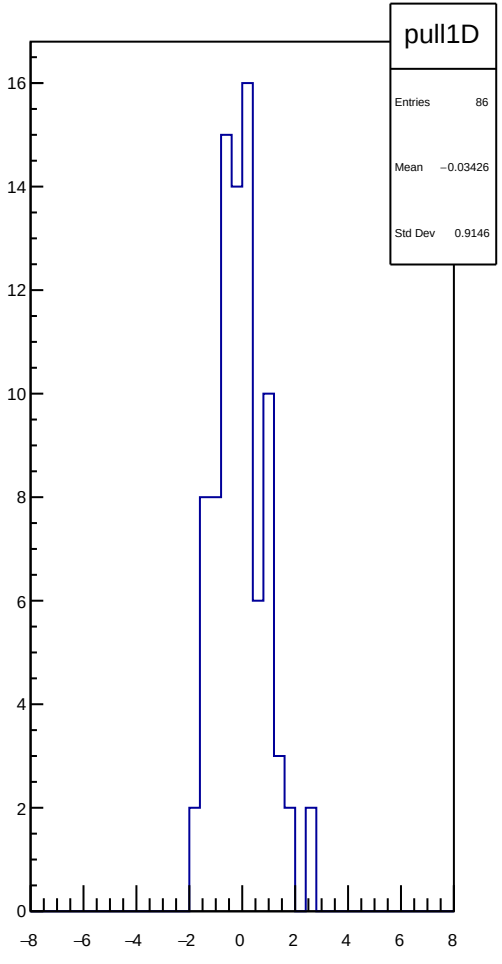

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 72.9 / 85
p0 −16.54 ± 2.587
pull
Entries 86
Mean 69.9
Std Dev 0

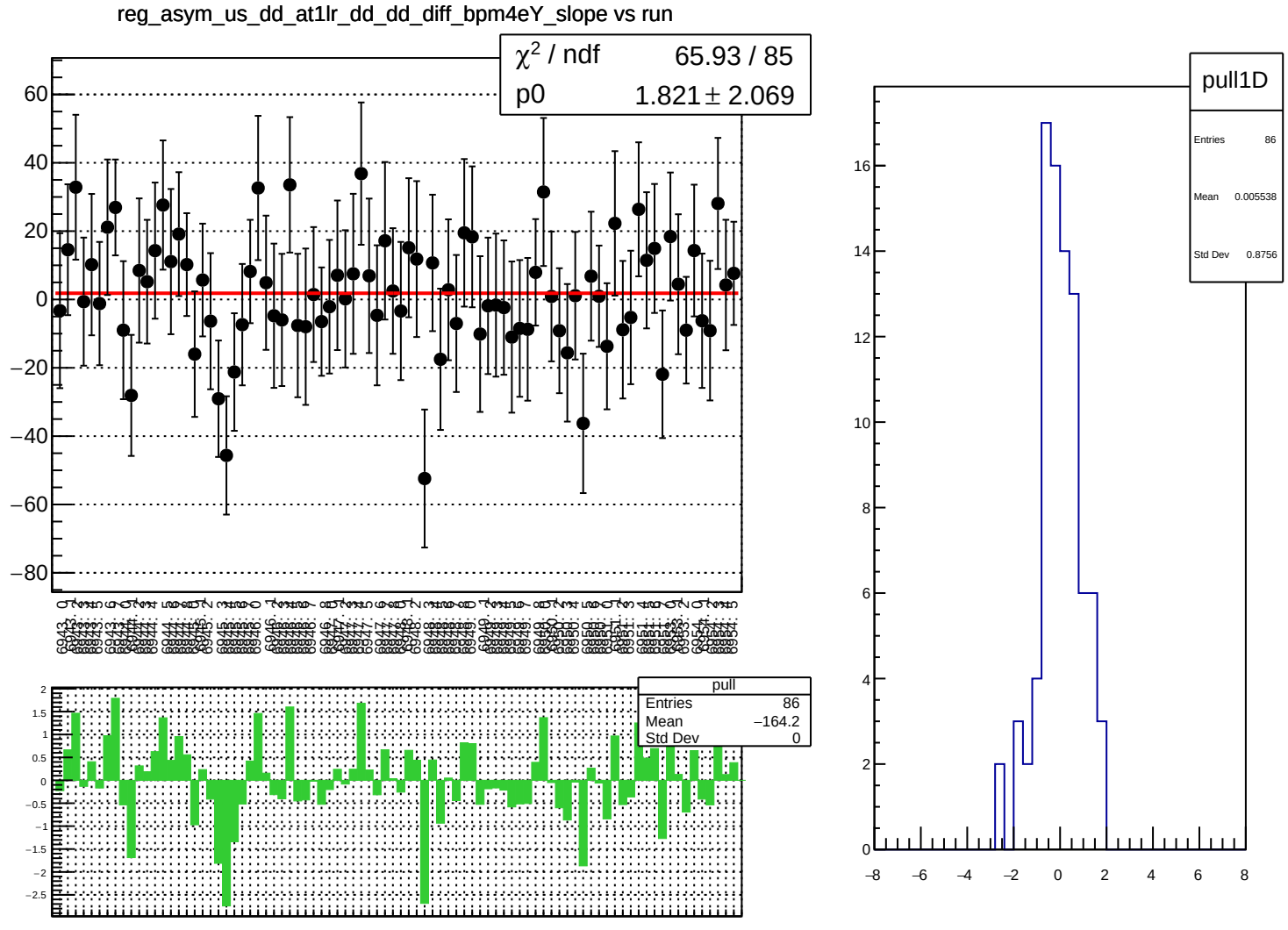

pull1D
Entries 86
Mean 0.0339
Std Dev 0.9201

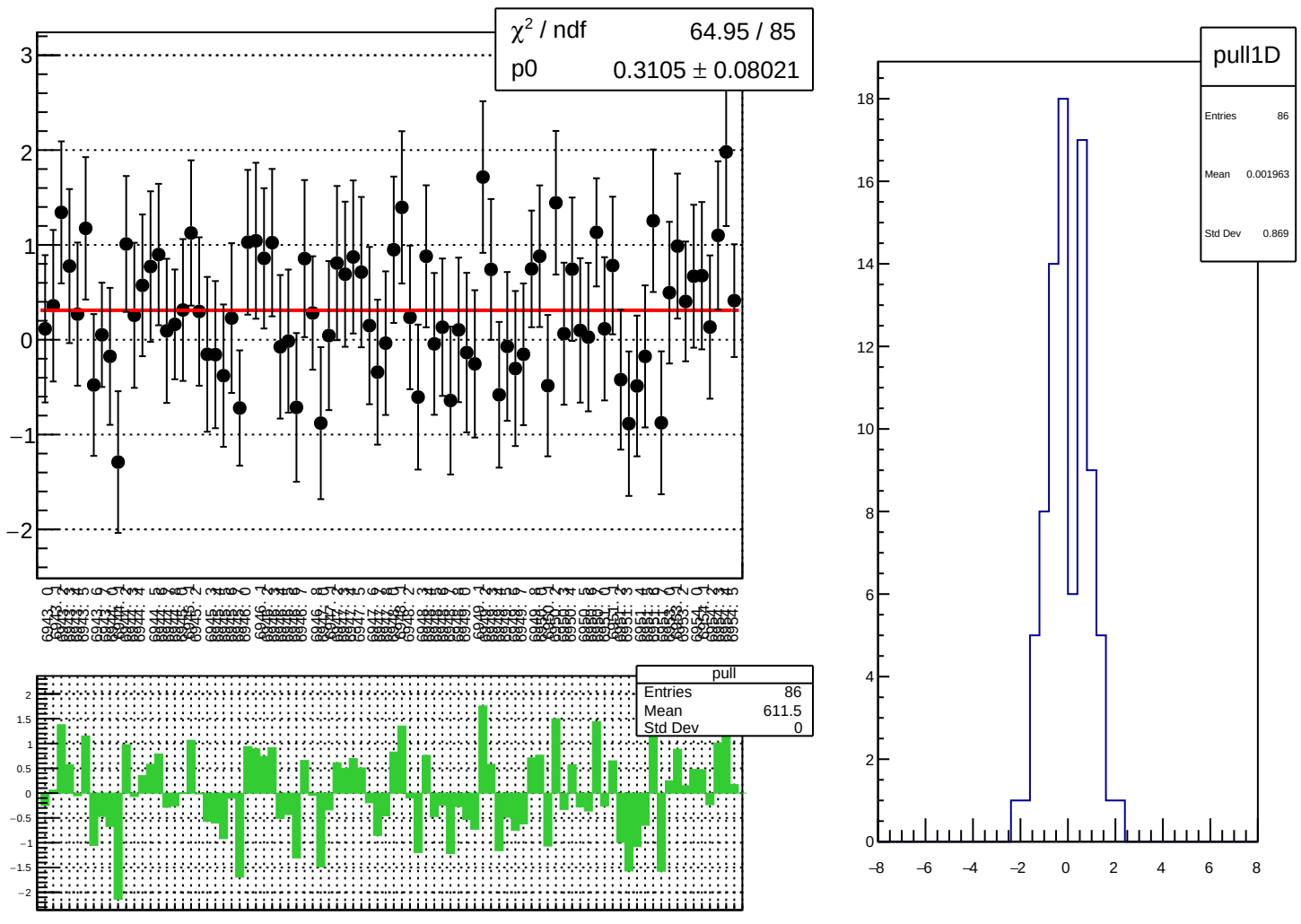

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.87 / 85
p0 −0.006177 ± 1.803
pull
Entries 86
Mean −56.76
Std Dev 20.1

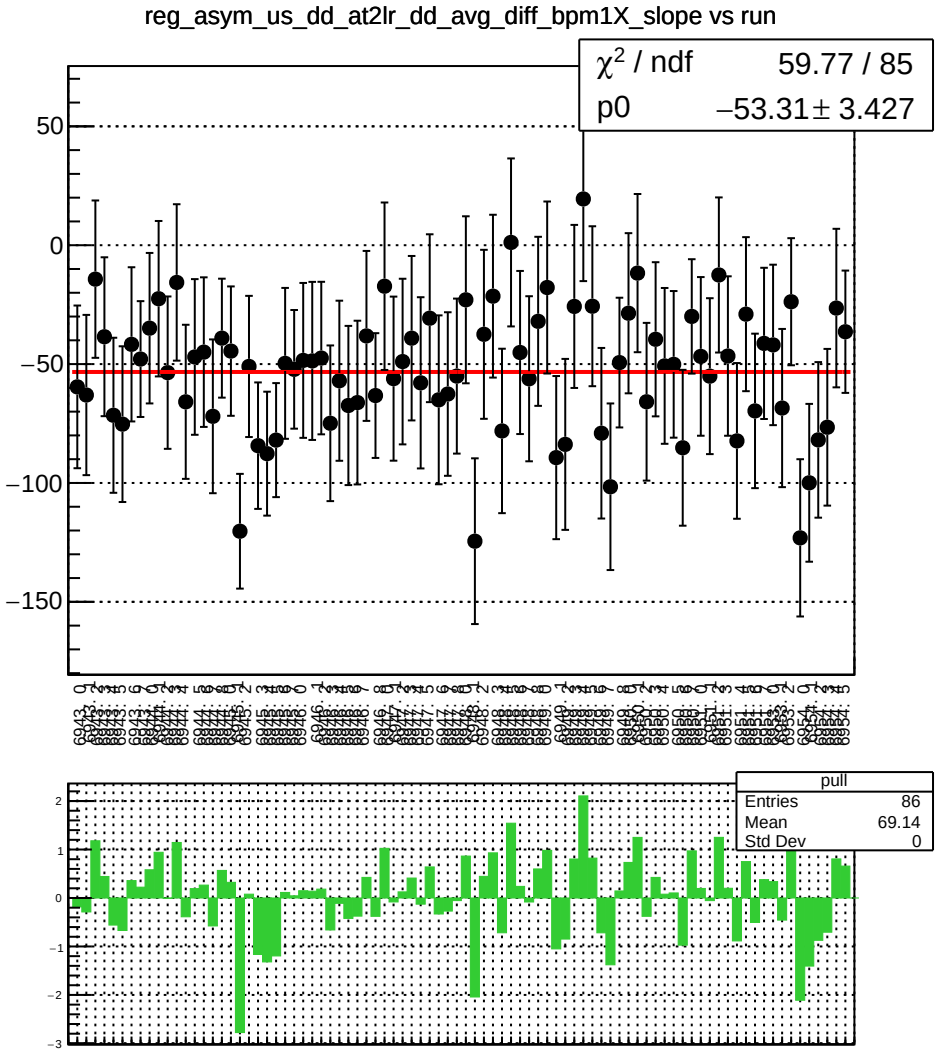

pull1D
Entries 86
Mean −0.006311
Std Dev 0.8618

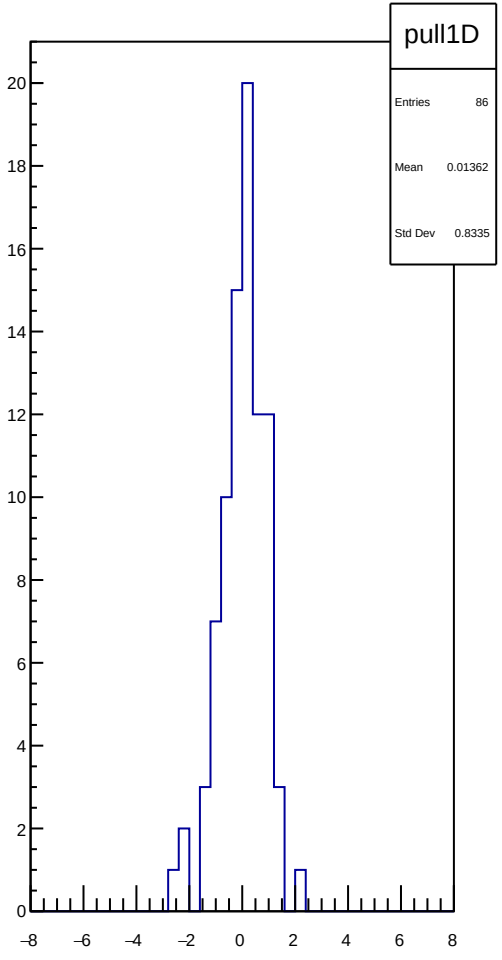

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.05 / 85
p0 −94.68 ± 2.409
pull
Entries 86
Mean 81.58
Std Dev 0

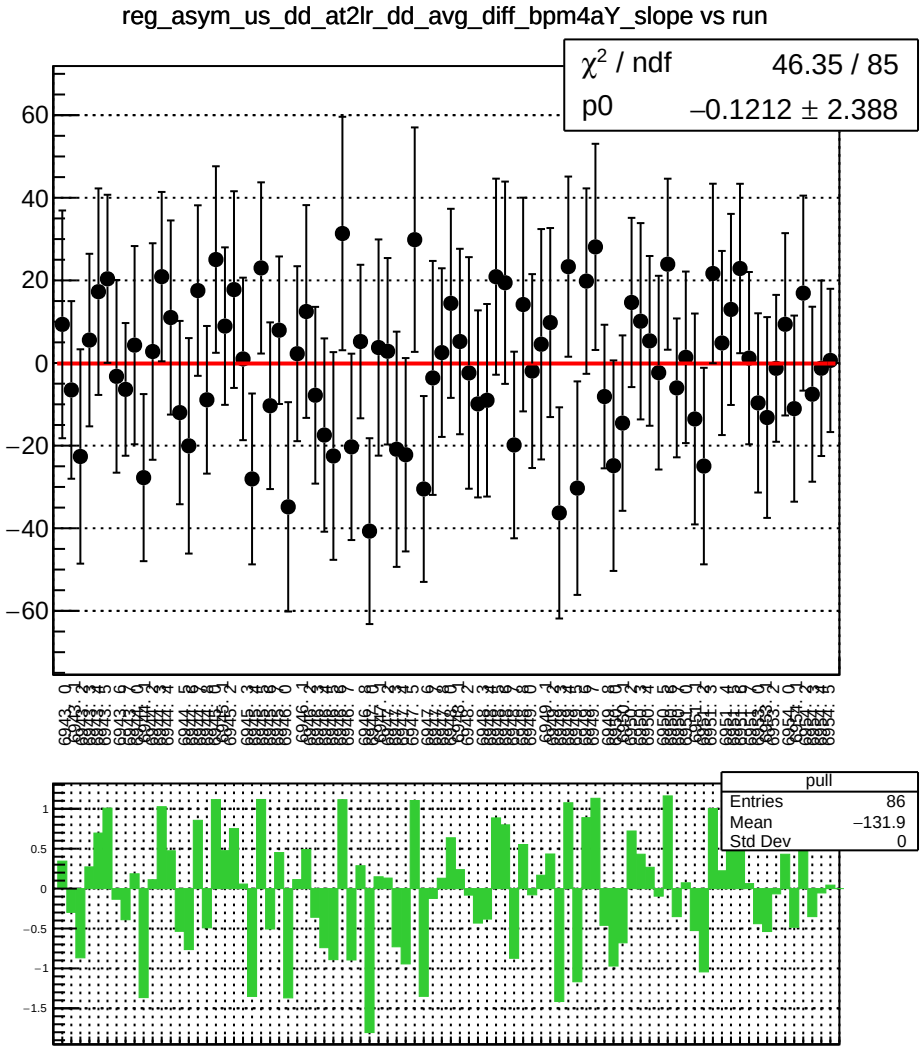

pull1D
Entries 86
Mean −0.03426
Std Dev 0.9146

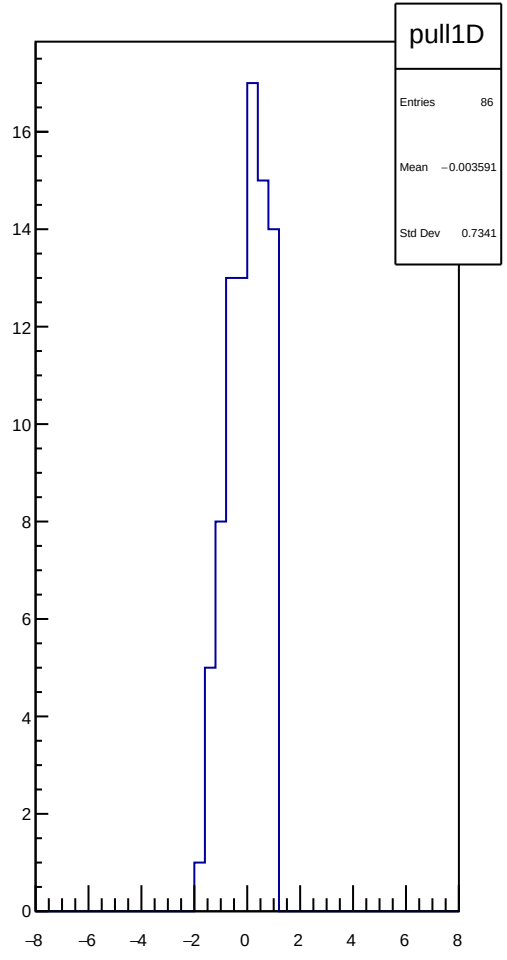

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.93 / 85
p0 1.821 ± 2.069
pull
Entries 86
Mean −164.2
Std Dev 0
pull1D
Entries 86
Mean 0.005538
Std Dev 0.8756

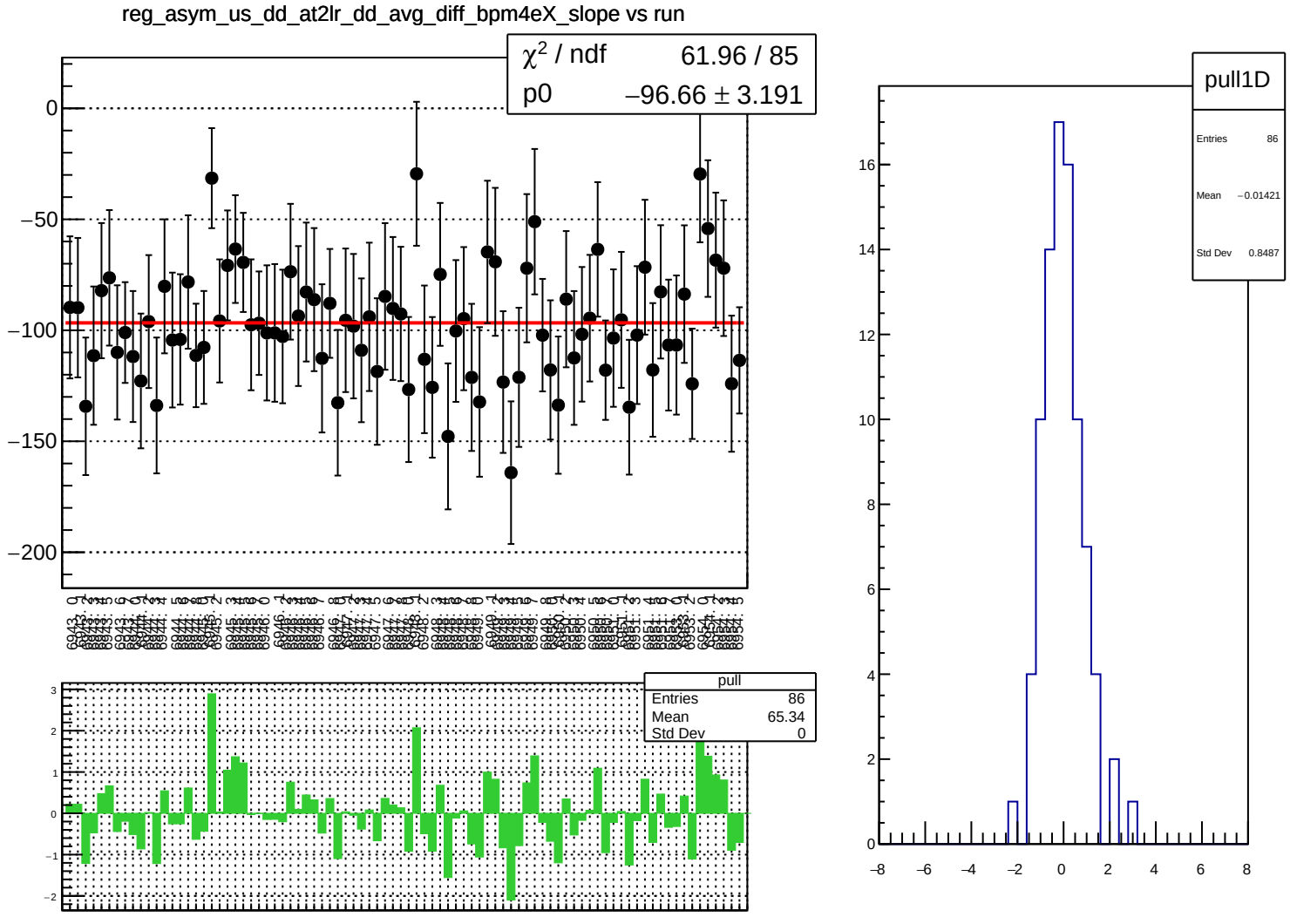

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 64.95 / 85
p0 0.3105 ± 0.08021
pull
Entries 86
Mean 611.5
Std Dev 0
pull1D
Entries 86
Mean 0.001963
Std Dev 0.869

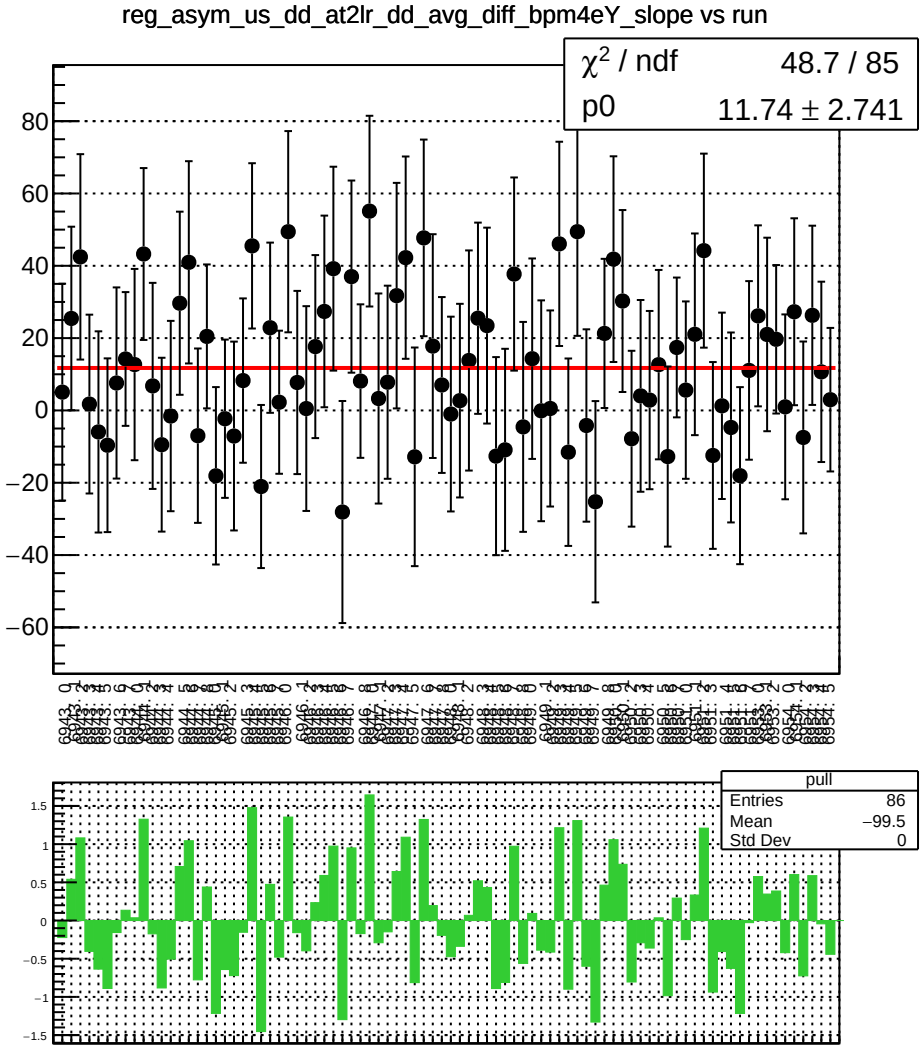

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 59.77 / 85
p0 −53.31 ± 3.427
50
0
−50
−100
−150
pull
Entries 86
Mean 69.14
Std Dev 0
2
1
0
−1
−2
−3

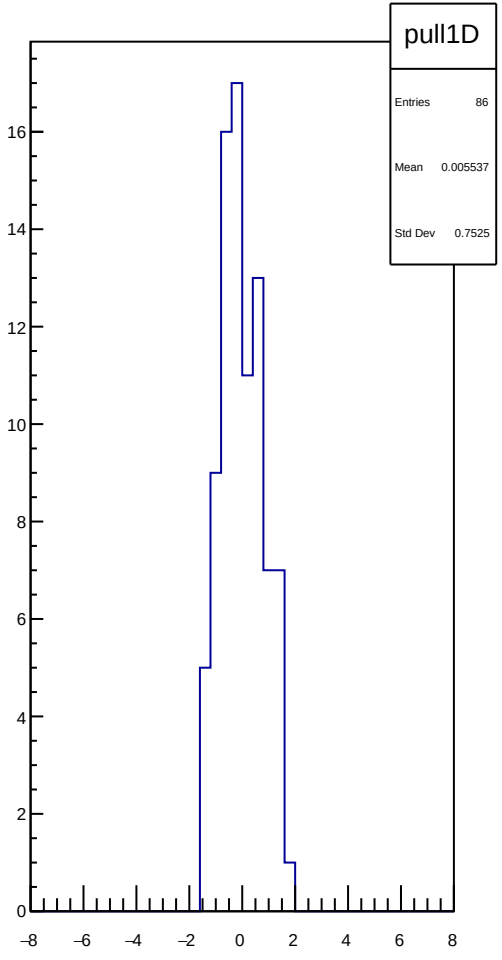

pull1D
Entries 86
Mean 0.01362
Std Dev 0.8335
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

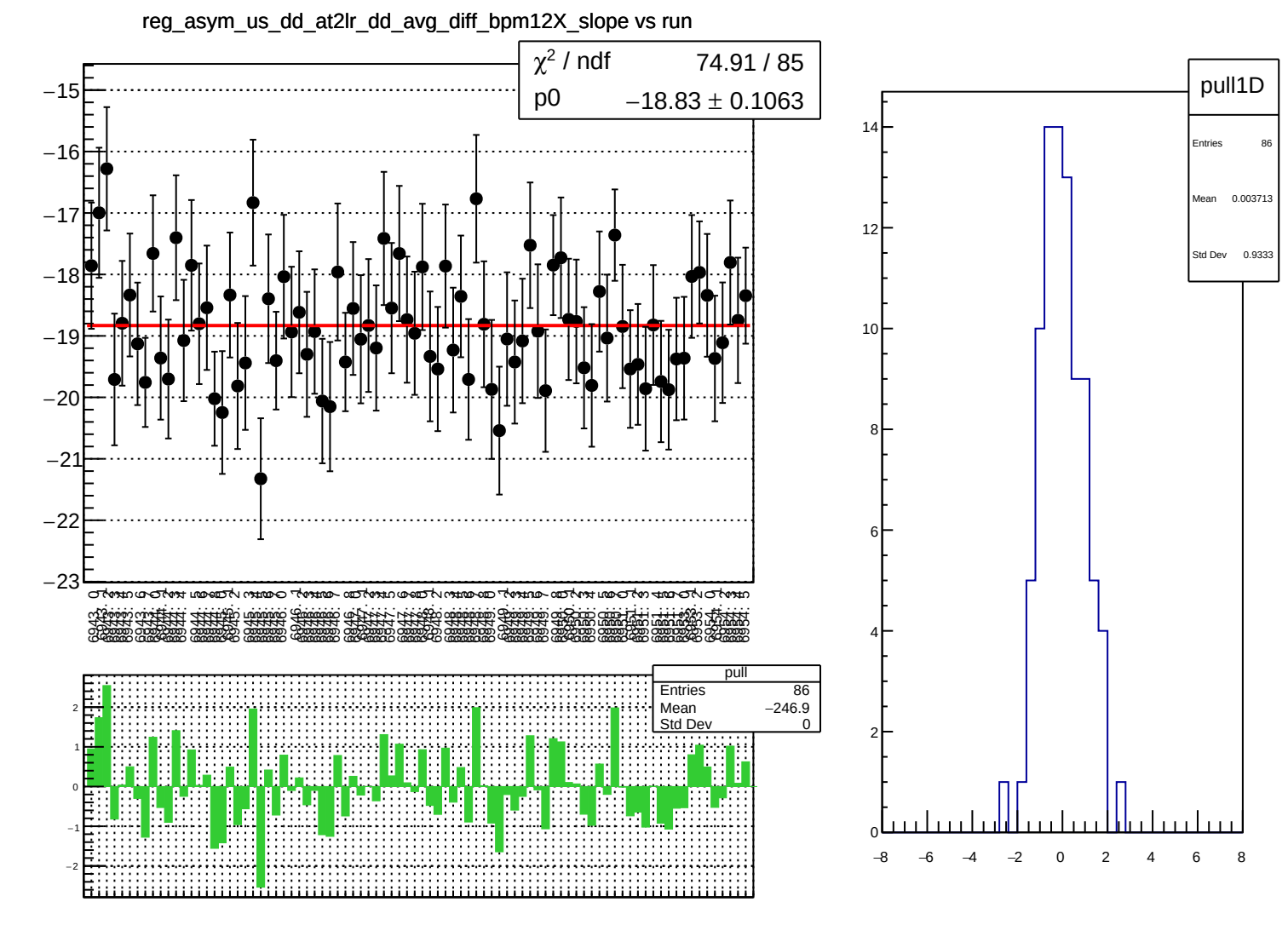

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.35 / 85
p0 −0.1212 ± 2.388
pull
Entries 86
Mean −131.9
Std Dev 0

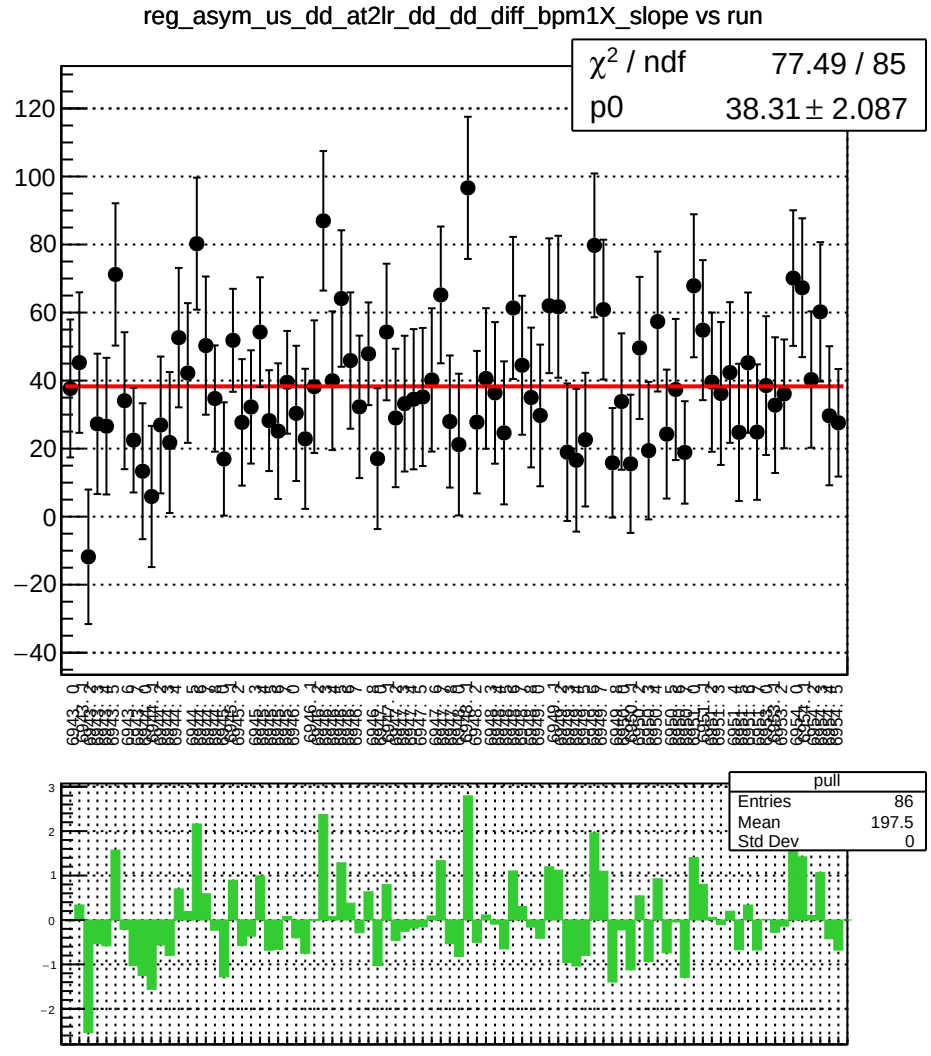

pull1D
Entries 86
Mean −0.003591
Std Dev 0.7341

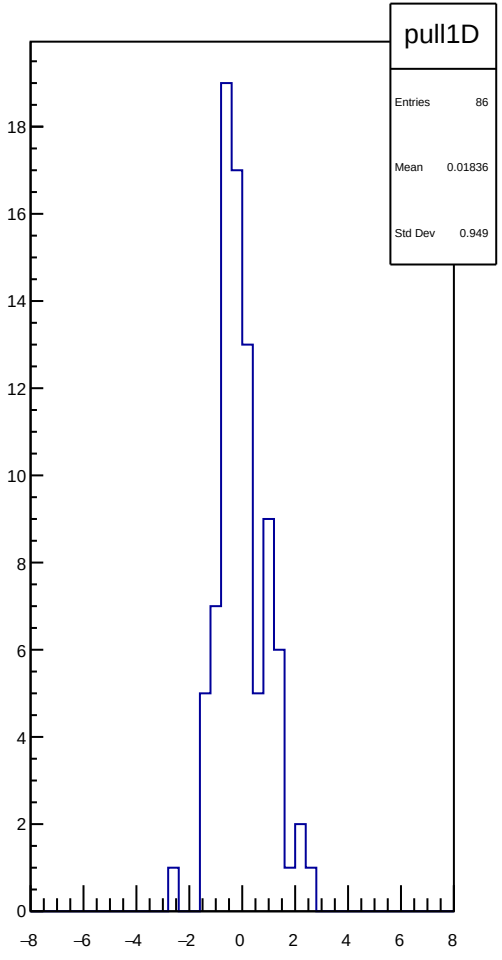

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.96 / 85
p0 −96.66 ± 3.191
0
−50
−100
−150
−200
pull
Entries 86
Mean 65.34
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.01421
Std Dev 0.8487
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

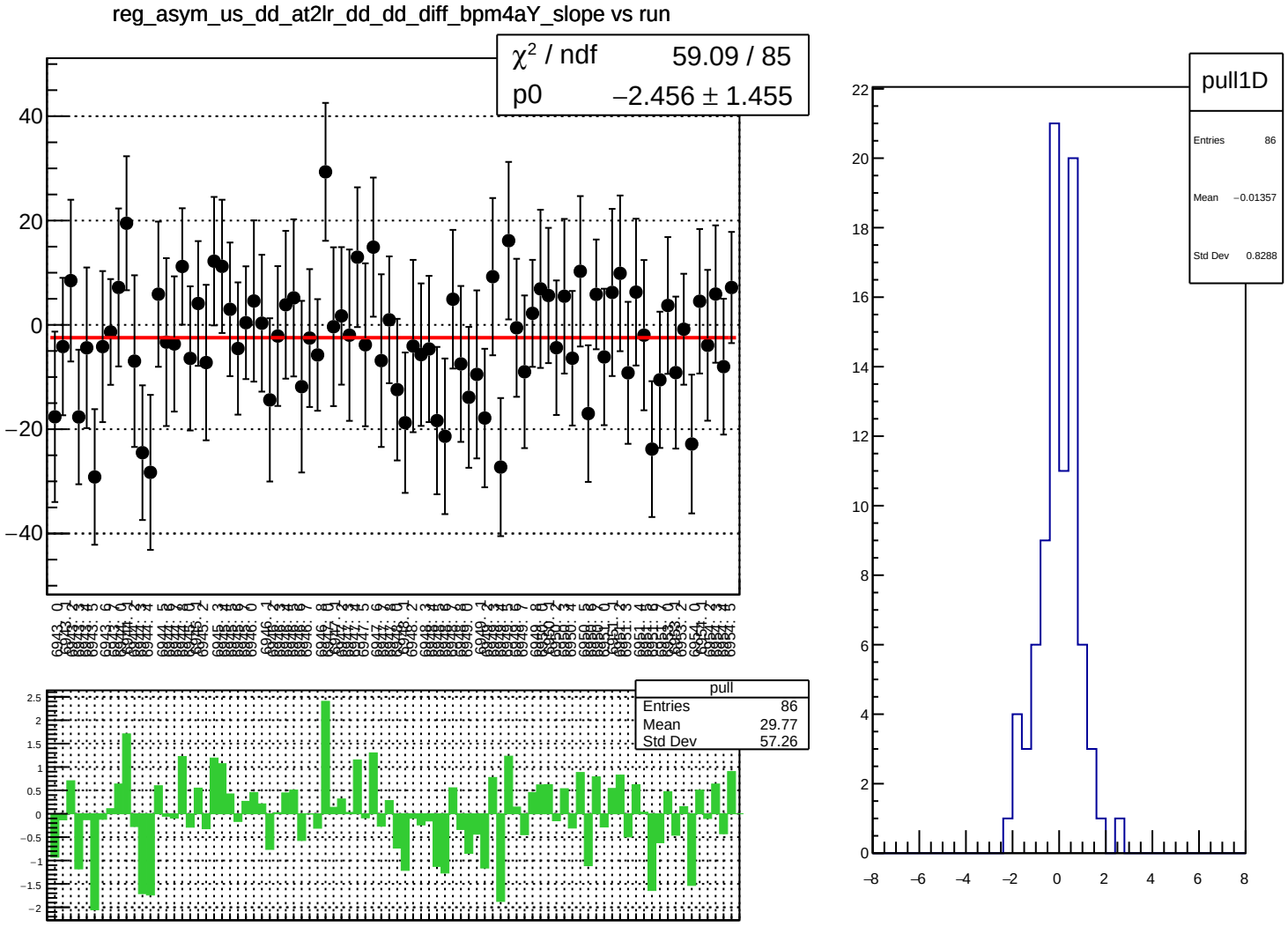

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.7 / 85
p0 11.74 ± 2.741
pull
Entries 86
Mean −99.5
Std Dev 0

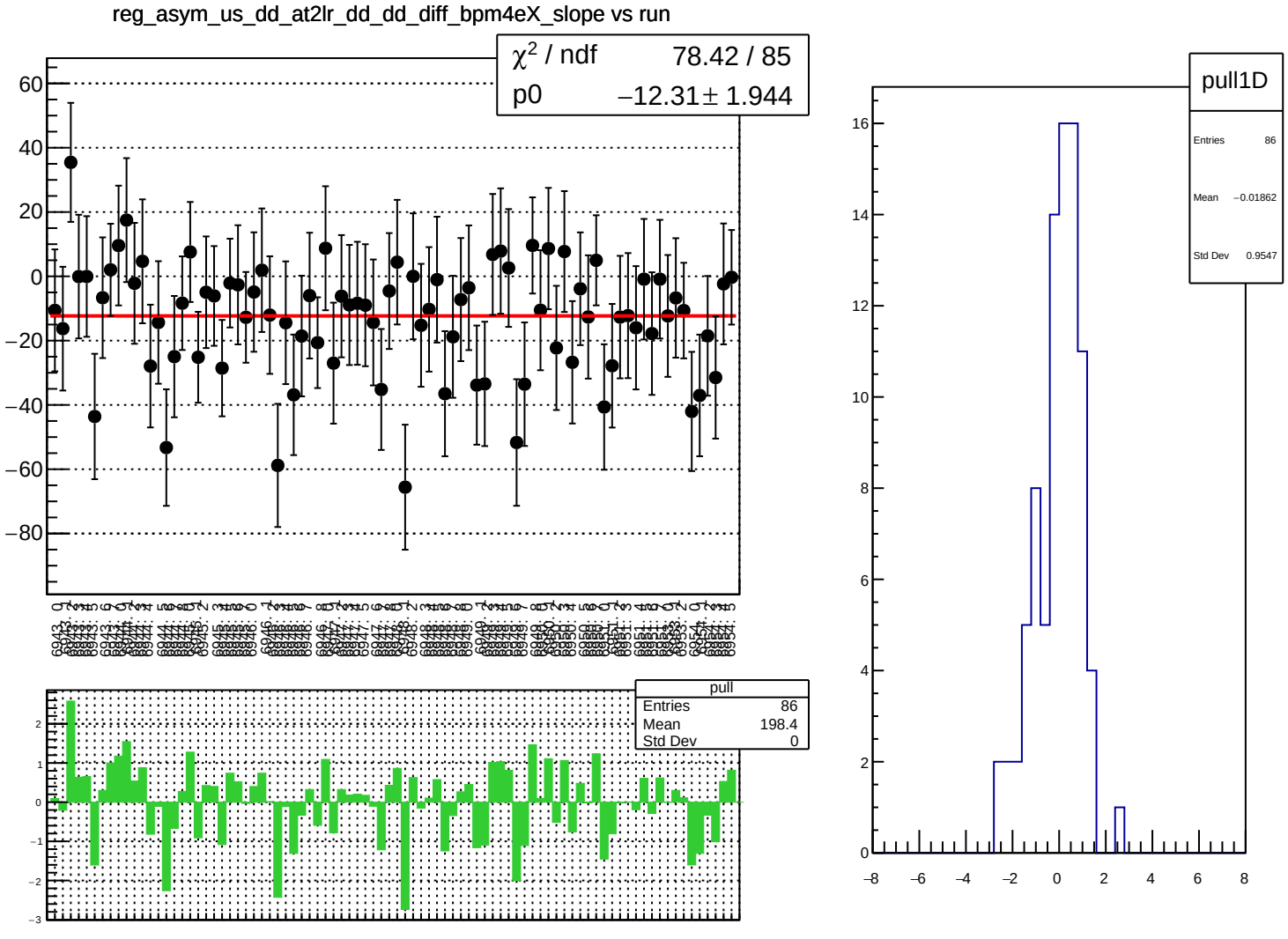

pull1D
Entries 86
Mean 0.005537
Std Dev 0.7525

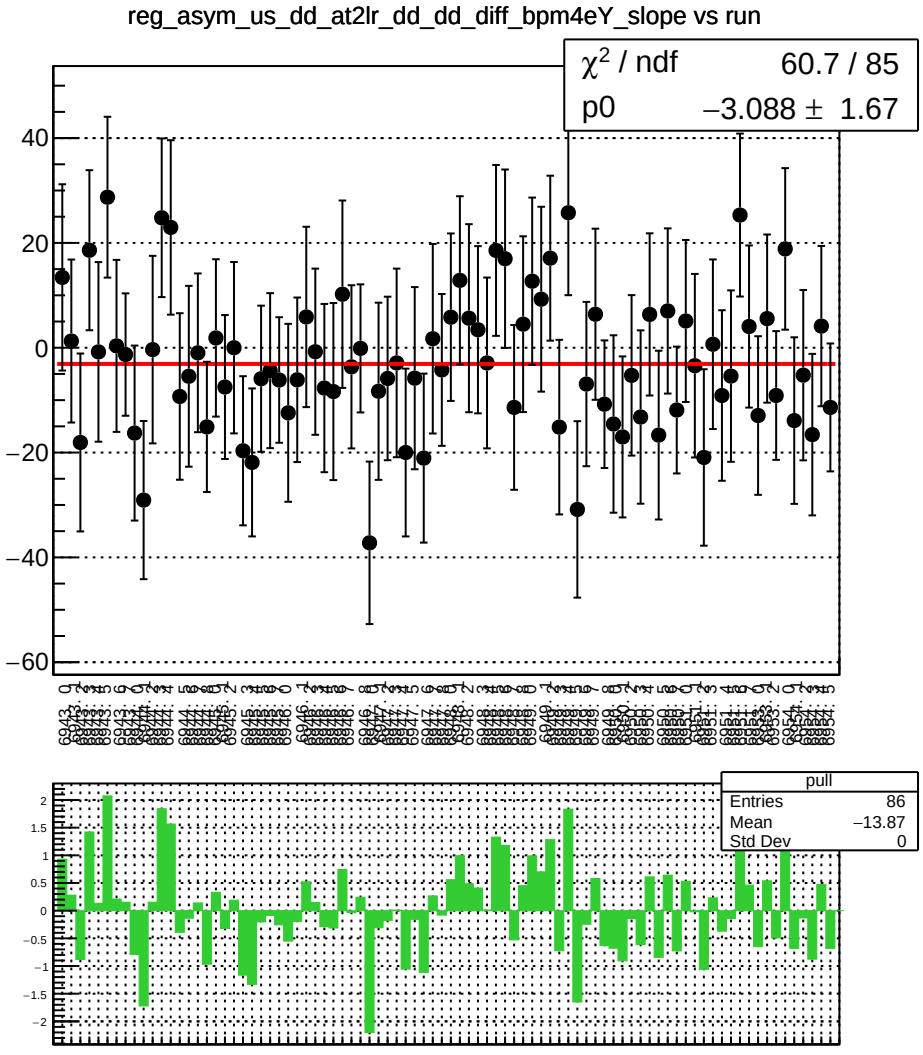

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 74.91 / 85
p0 −18.83 ± 0.1063
pull
Entries 86
Mean −246.9
Std Dev 0
pull1D
Entries 86
Mean 0.003713
Std Dev 0.9333

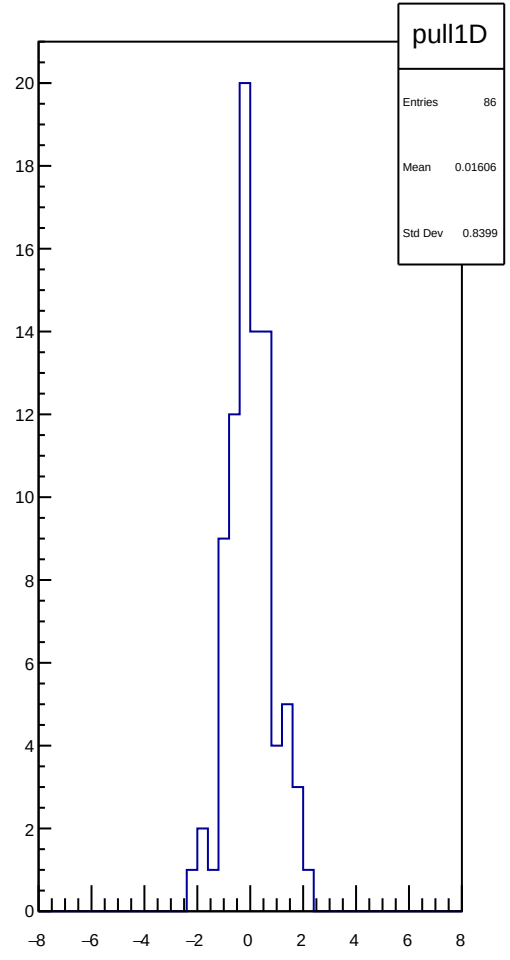

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 77.49 / 85
p0 38.31 ± 2.087
pull
Entries 86
Mean 197.5
Std Dev 0

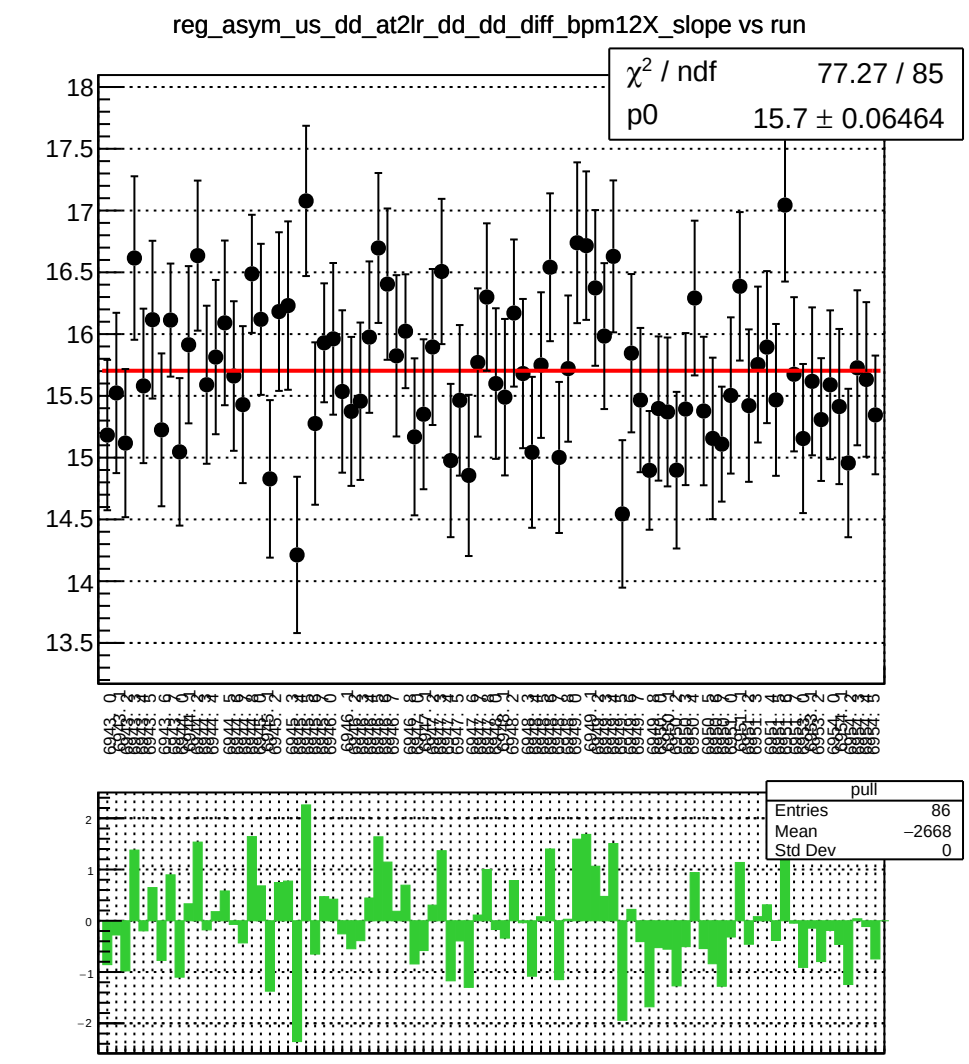

pull1D
Entries 86
Mean 0.01836
Std Dev 0.949

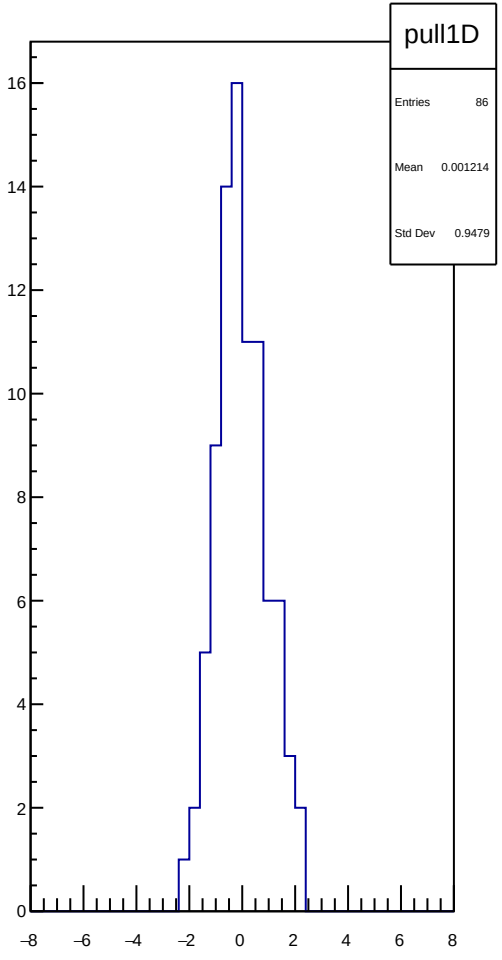

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.09 / 85
p0 −2.456 ± 1.455
pull
Entries 86
Mean 29.77
Std Dev 57.26
pull1D
Entries 86
Mean −0.01357
Std Dev 0.8288

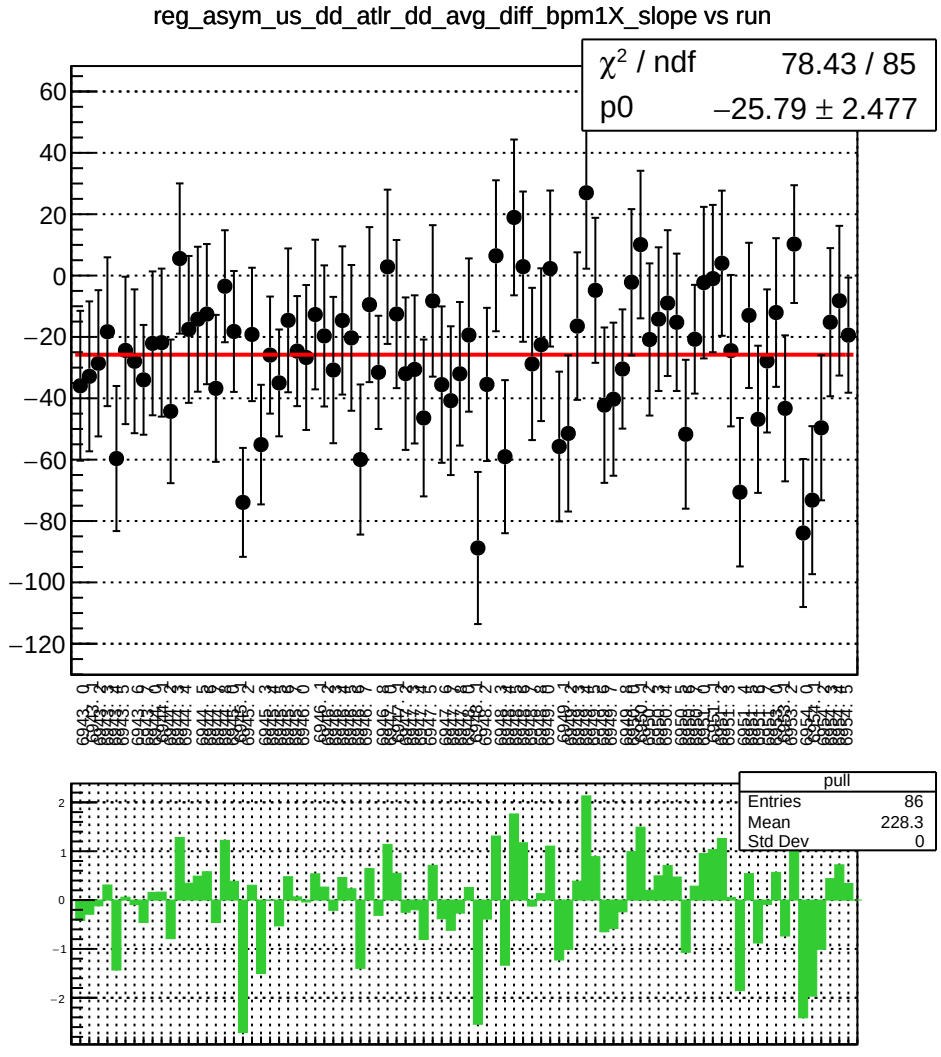

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.42 / 85
p0 −12.31± 1.944
pull
Entries 86
Mean 198.4
Std Dev 0
pull1D
Entries 86
Mean −0.01862
Std Dev 0.9547

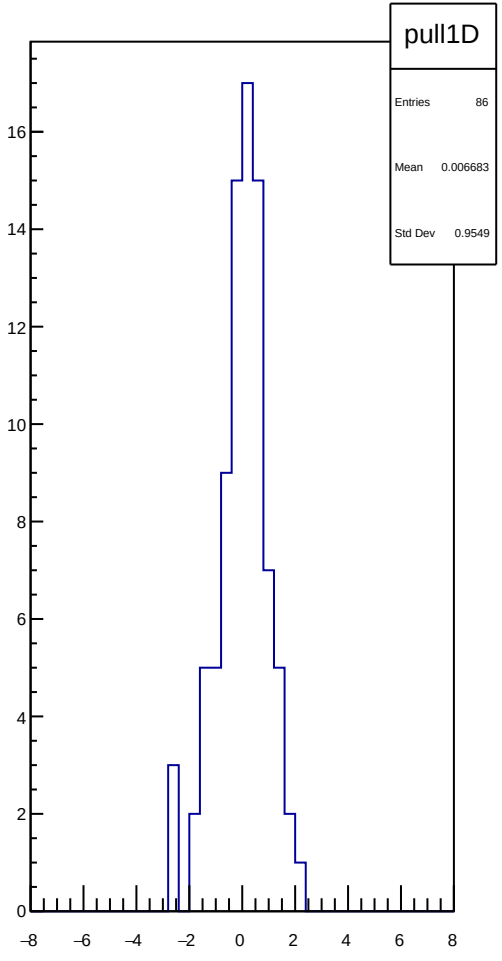

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.7 / 85
p0 −3.088 ± 1.67
pull
Entries 86
Mean −13.87
Std Dev 0

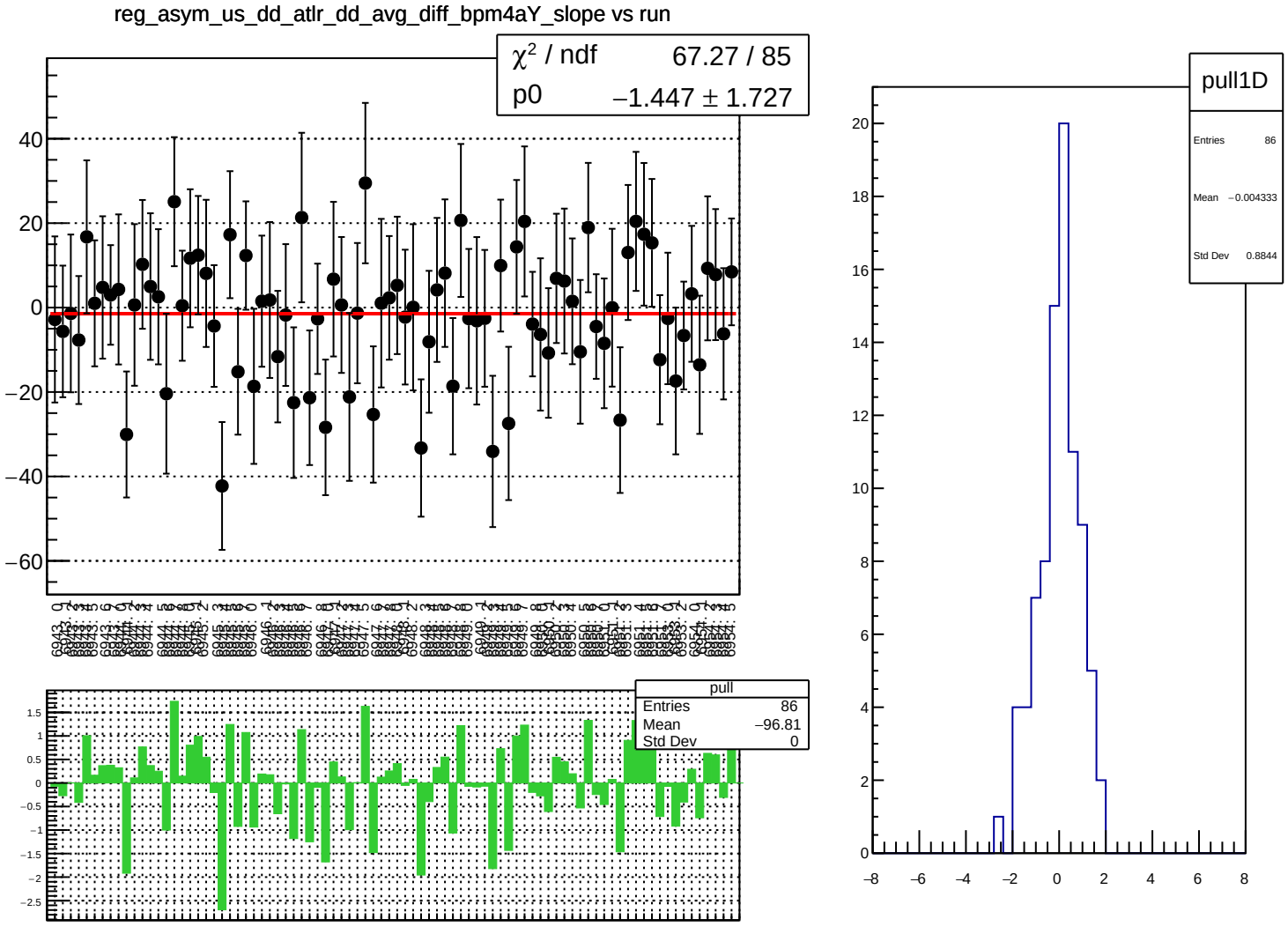

pull1D
Entries 86
Mean 0.01606
Std Dev 0.8399

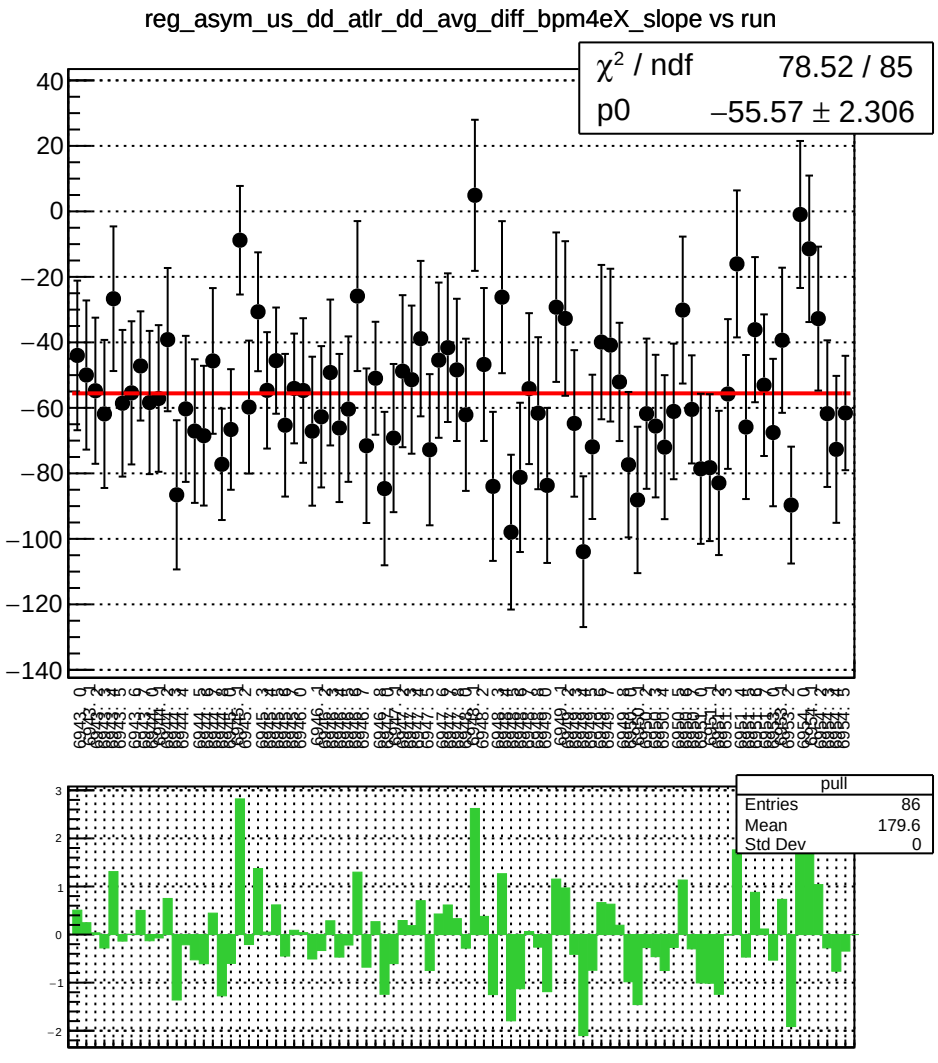

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 77.27 / 85
p0 15.7 ± 0.06464
pull
Entries 86
Mean −2668
Std Dev 0

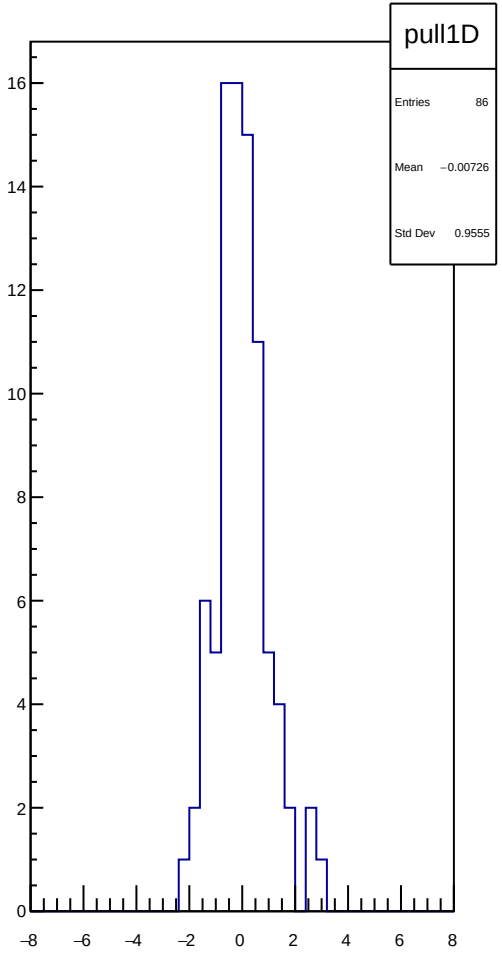

pull1D
Entries 86
Mean 0.001214
Std Dev 0.9479

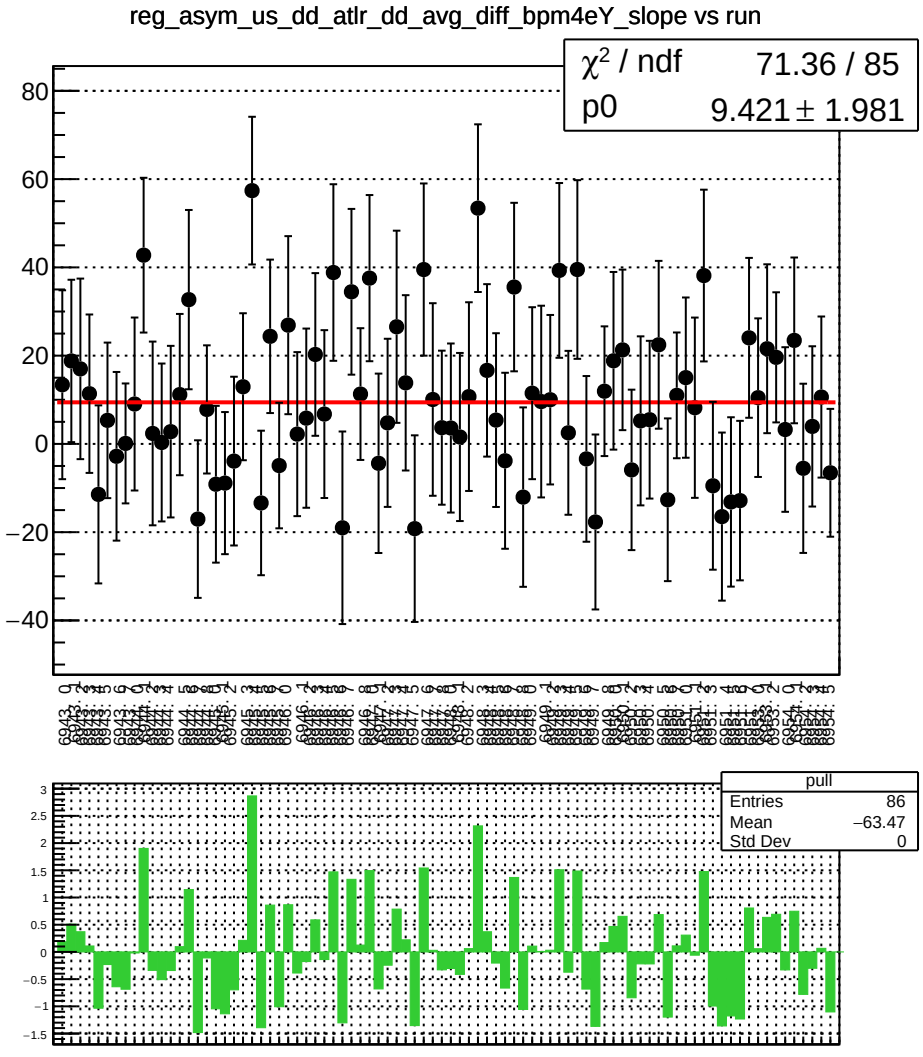

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 78.43 / 85
p0 −25.79 ± 2.477
pull
Entries 86
Mean 228.3
Std Dev 0

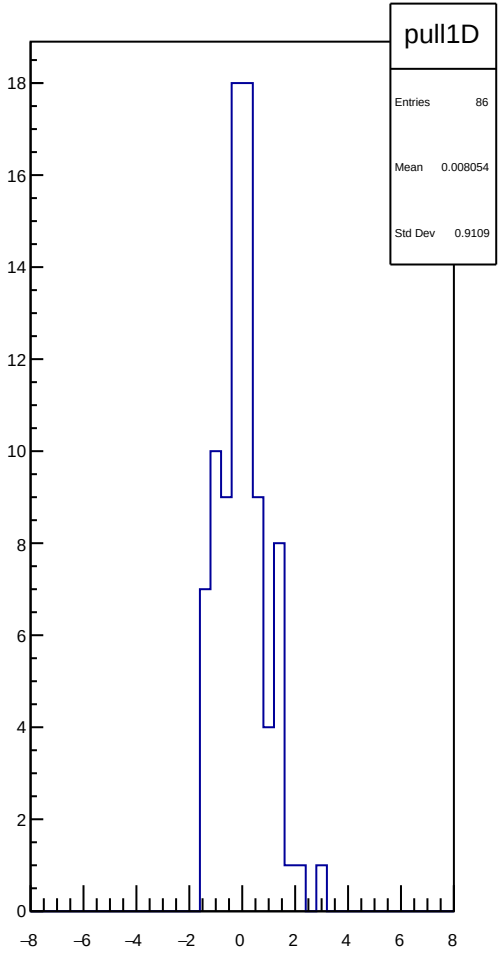

pull1D
Entries 86
Mean 0.006683
Std Dev 0.9549

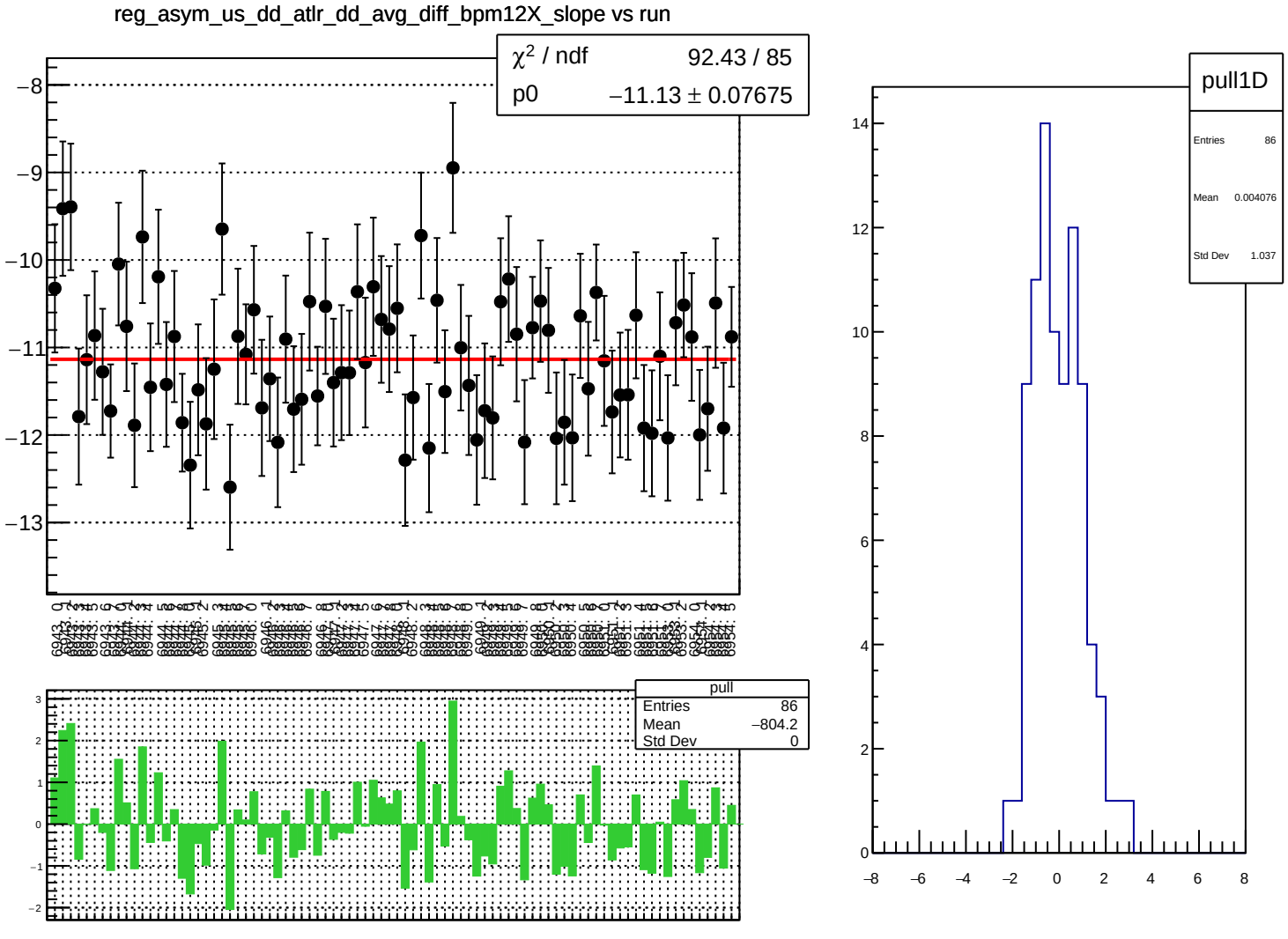

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.27 / 85
p0 −1.447 ± 1.727
pull
Entries 86
Mean −96.81
Std Dev 0
pull1D
Entries 86
Mean −0.004333
Std Dev 0.8844

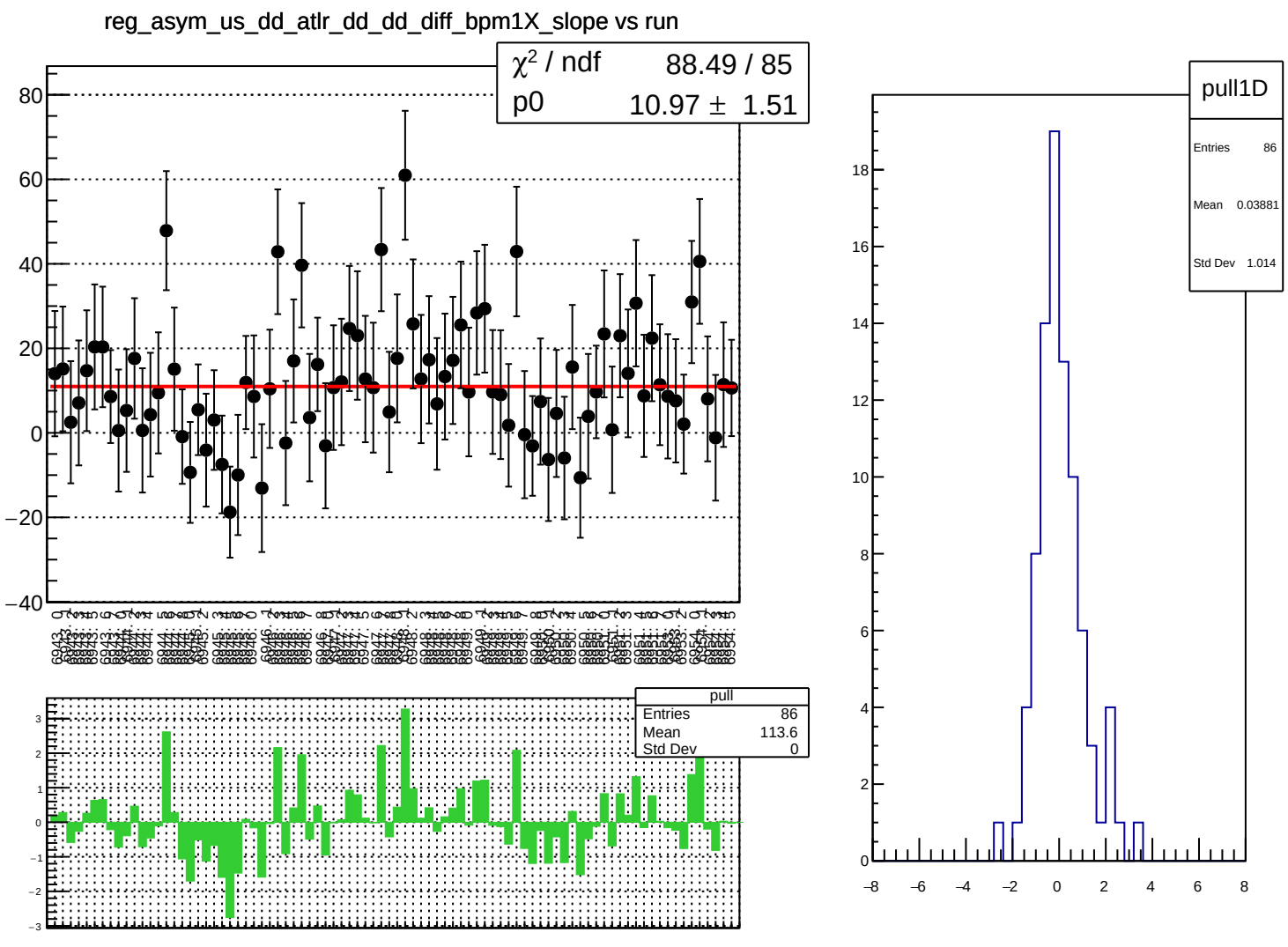

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.52 / 85
p0 −55.57 ± 2.306
pull
Entries 86
Mean 179.6
Std Dev 0

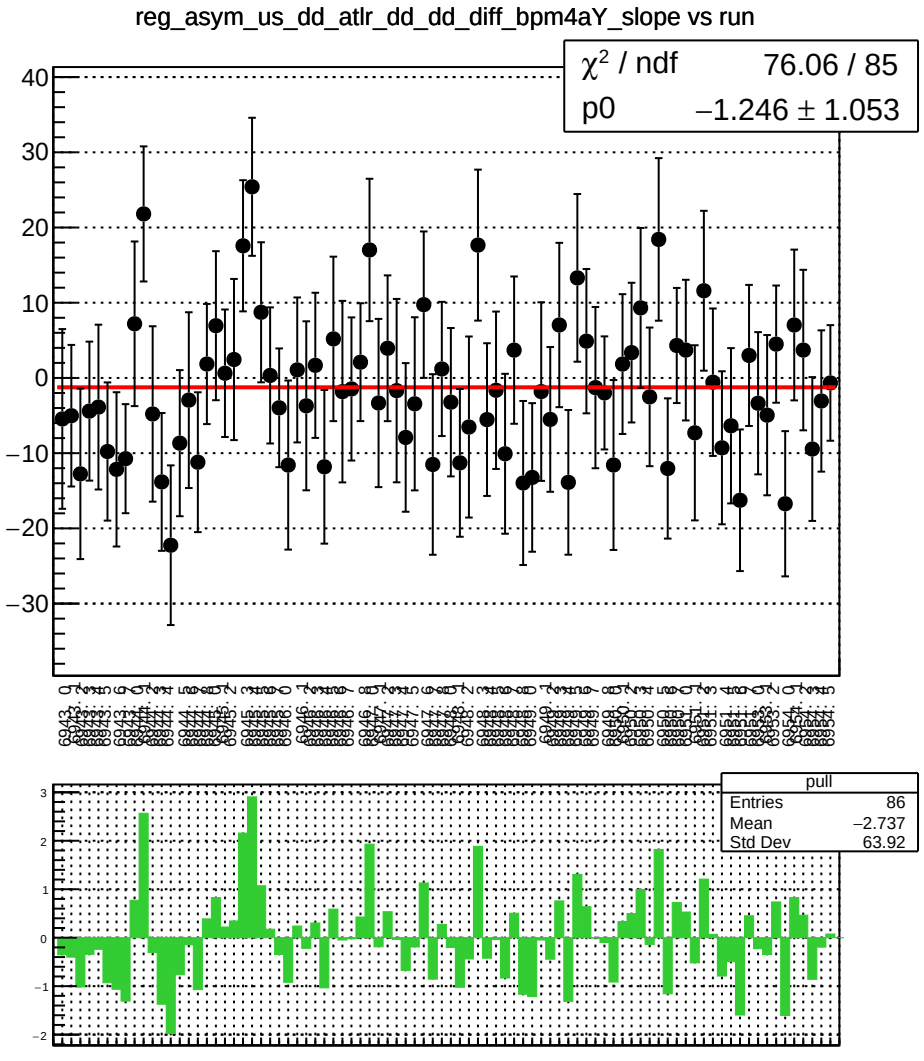

pull1D
Entries 86
Mean −0.00726
Std Dev 0.9555

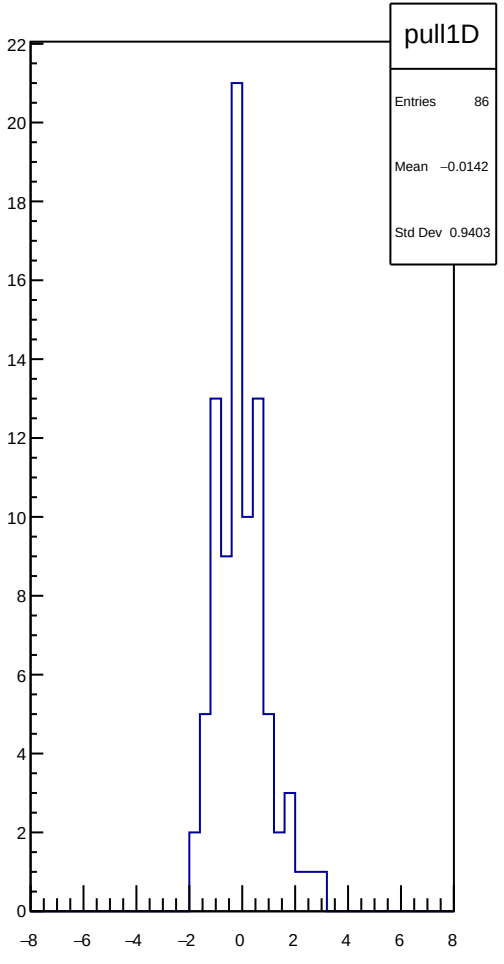

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 71.36 / 85
p0 9.421 ± 1.981
pull
Entries 86
Mean −63.47
Std Dev 0

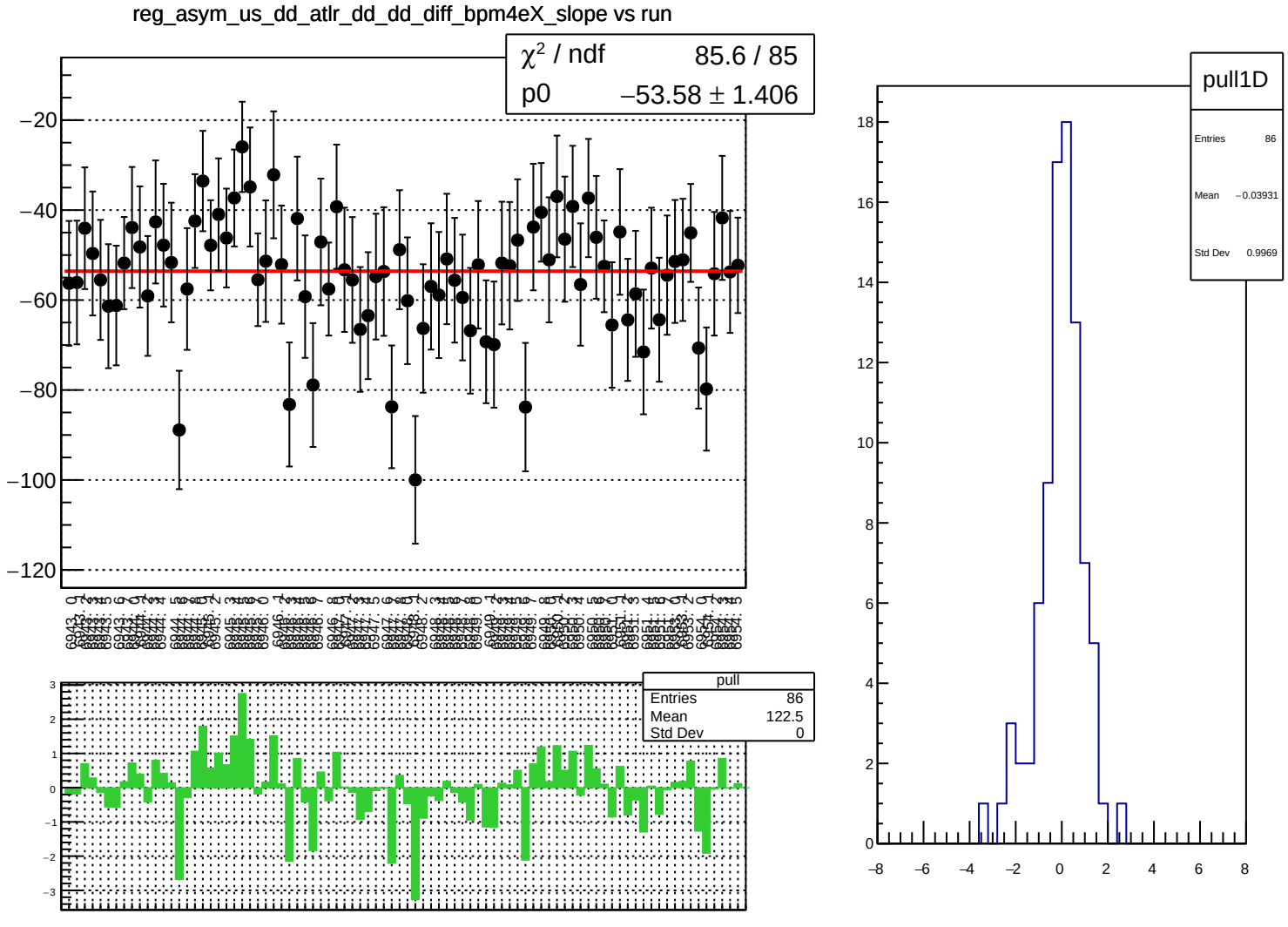

pull1D
Entries 86
Mean 0.008054
Std Dev 0.9109

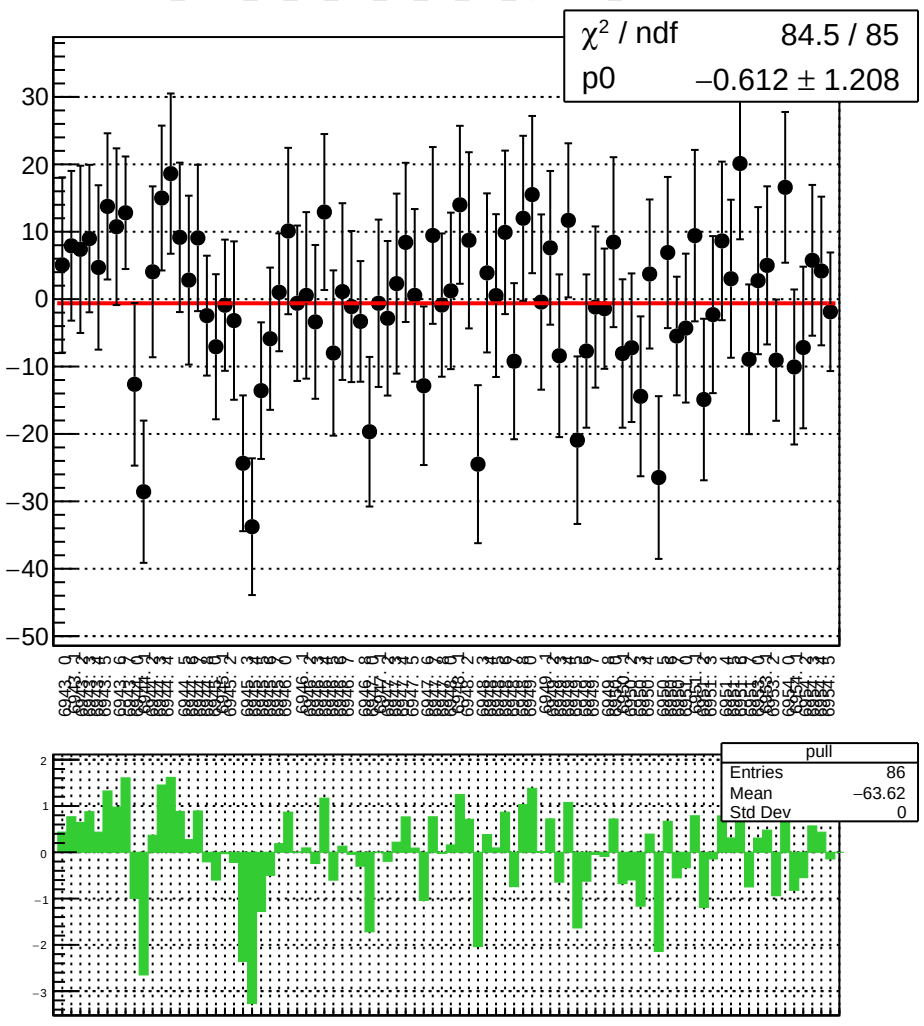

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 92.43 / 85
p0 −11.13 ± 0.07675
pull
Entries 86
Mean −804.2
Std Dev 0
pull1D
Entries 86
Mean 0.004076
Std Dev 1.037

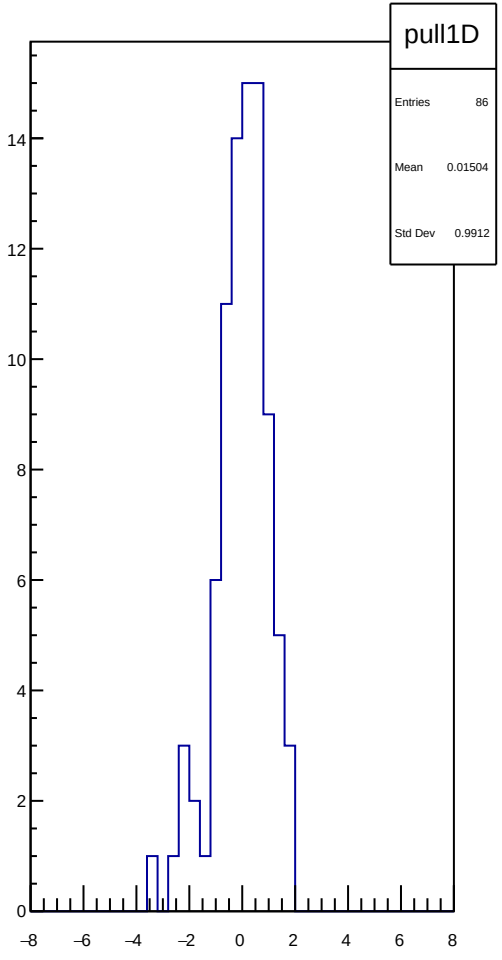

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 88.49 / 85
p0 10.97 ± 1.51
pull
Entries 86
Mean 113.6
Std Dev 0
pull1D
Entries 86
Mean 0.03881
Std Dev 1.014

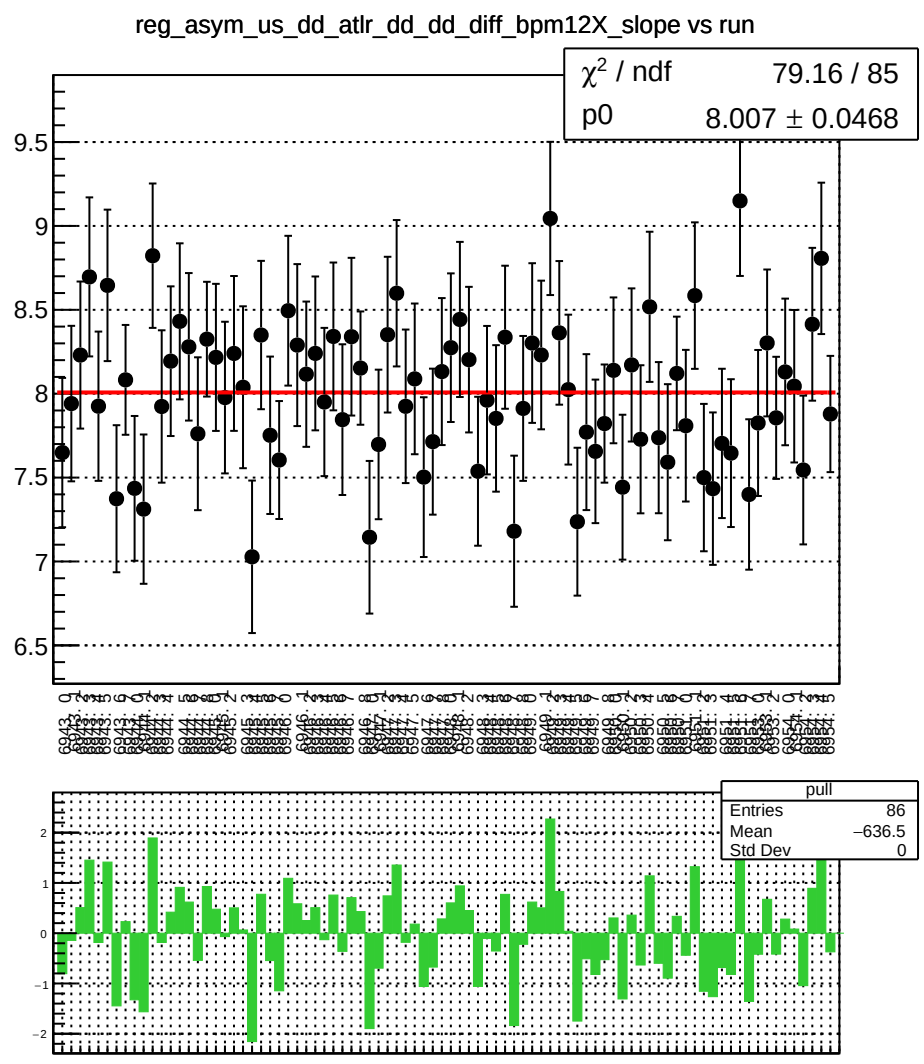

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.06 / 85
p0 −1.246 ± 1.053
pull
Entries 86
Mean −2.737
Std Dev 63.92

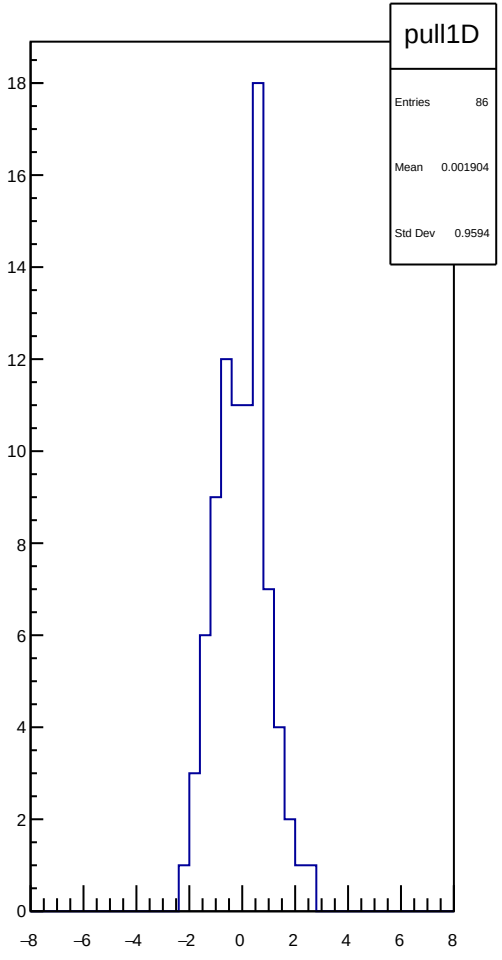

pull1D
Entries 86
Mean −0.0142
Std Dev 0.9403

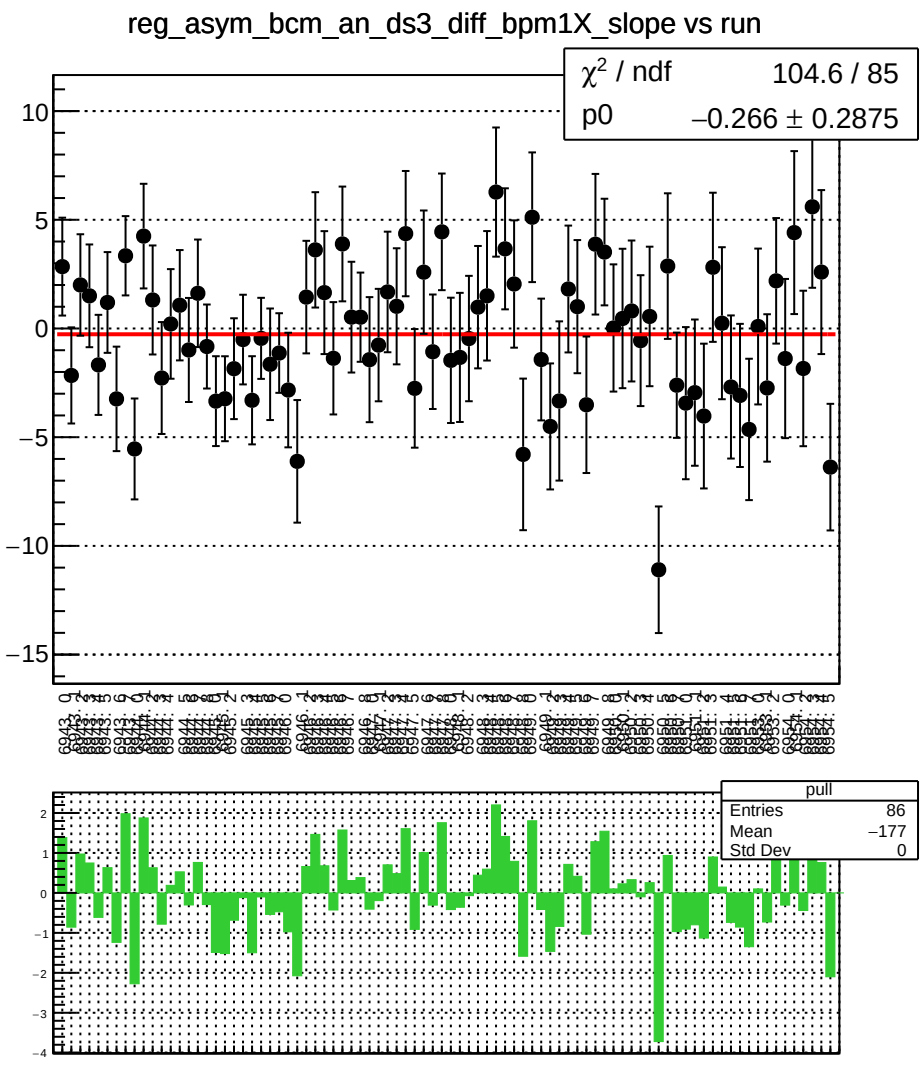

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.6 / 85
p0 −53.58 ± 1.406
pull
Entries 86
Mean 122.5
Std Dev 0
pull1D
Entries 86
Mean −0.03931
Std Dev 0.9969

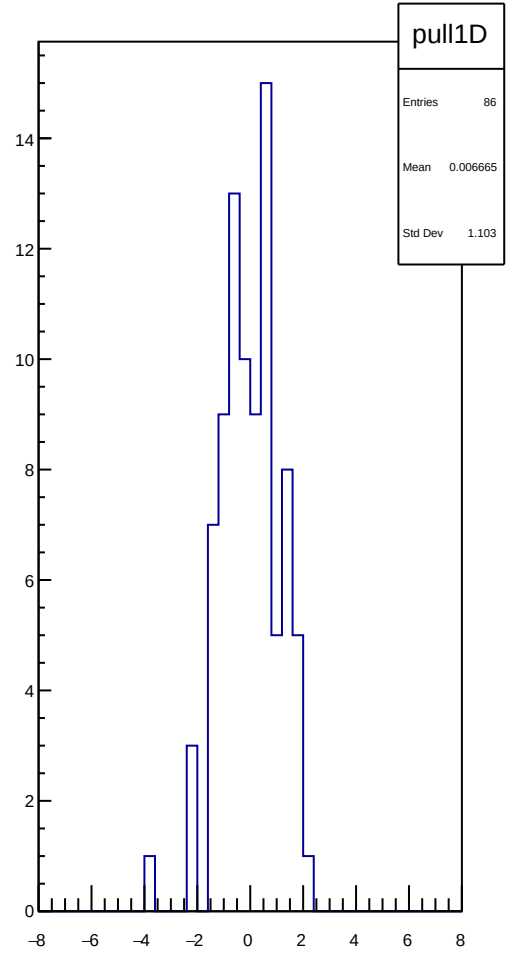

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.5 / 85
p0 −0.612 ± 1.208
pull
Entries 86
Mean −63.62
Std Dev 0

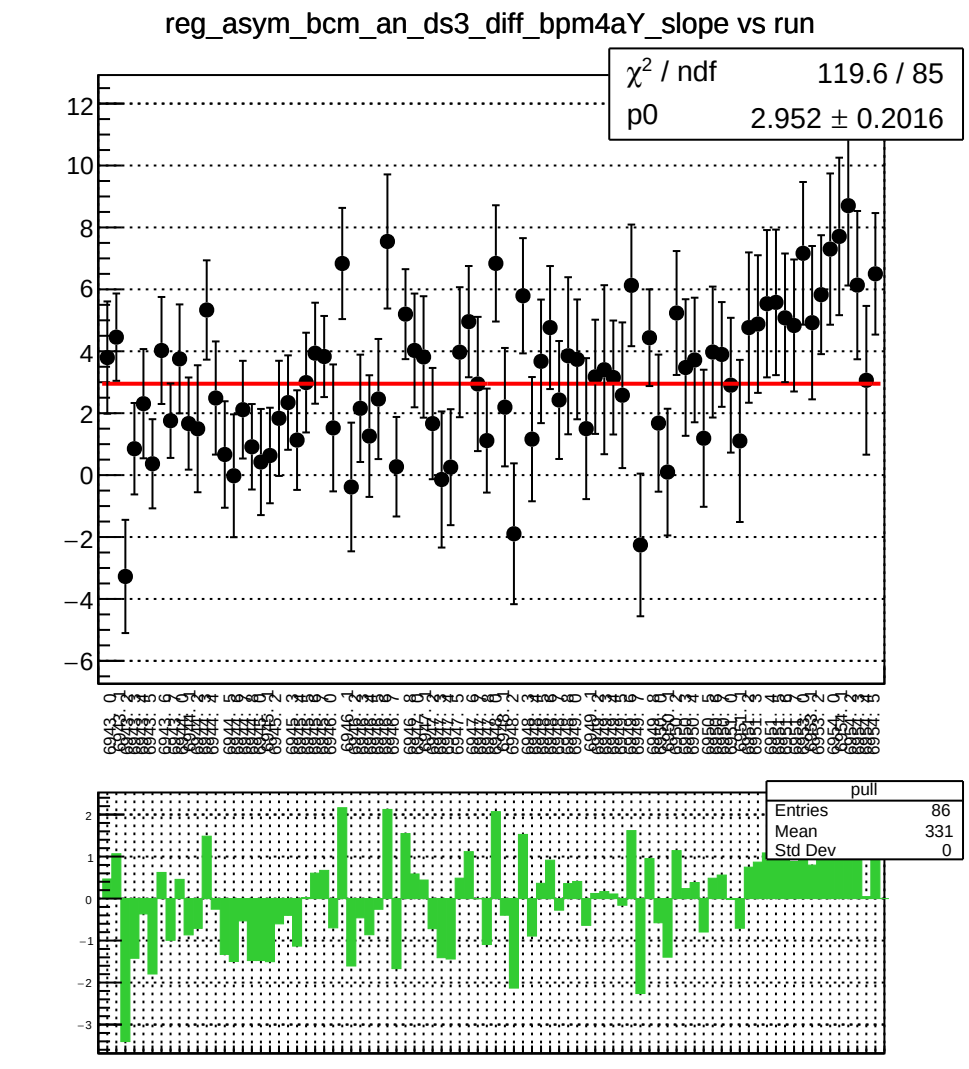

pull1D
Entries 86
Mean 0.01504
Std Dev 0.9912

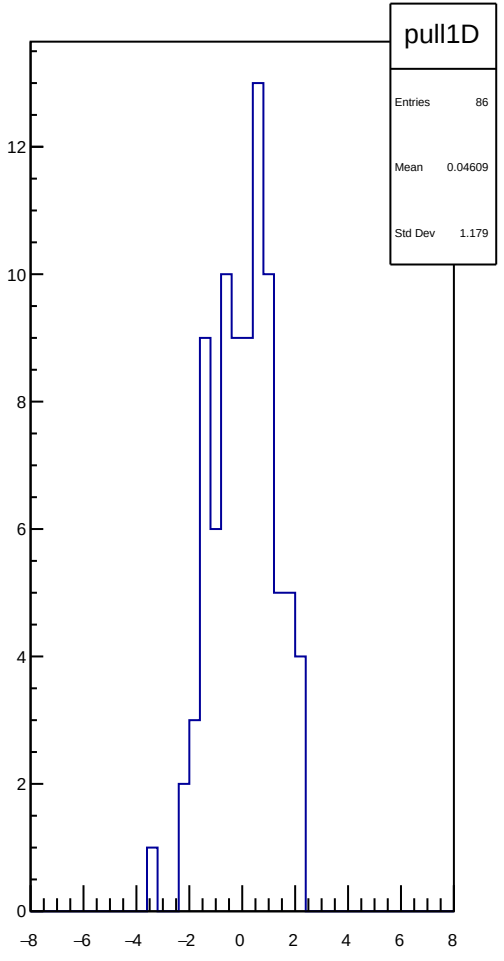

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 79.16 / 85
p0 8.007 ± 0.0468
pull
Entries 86
Mean −636.5
Std Dev 0

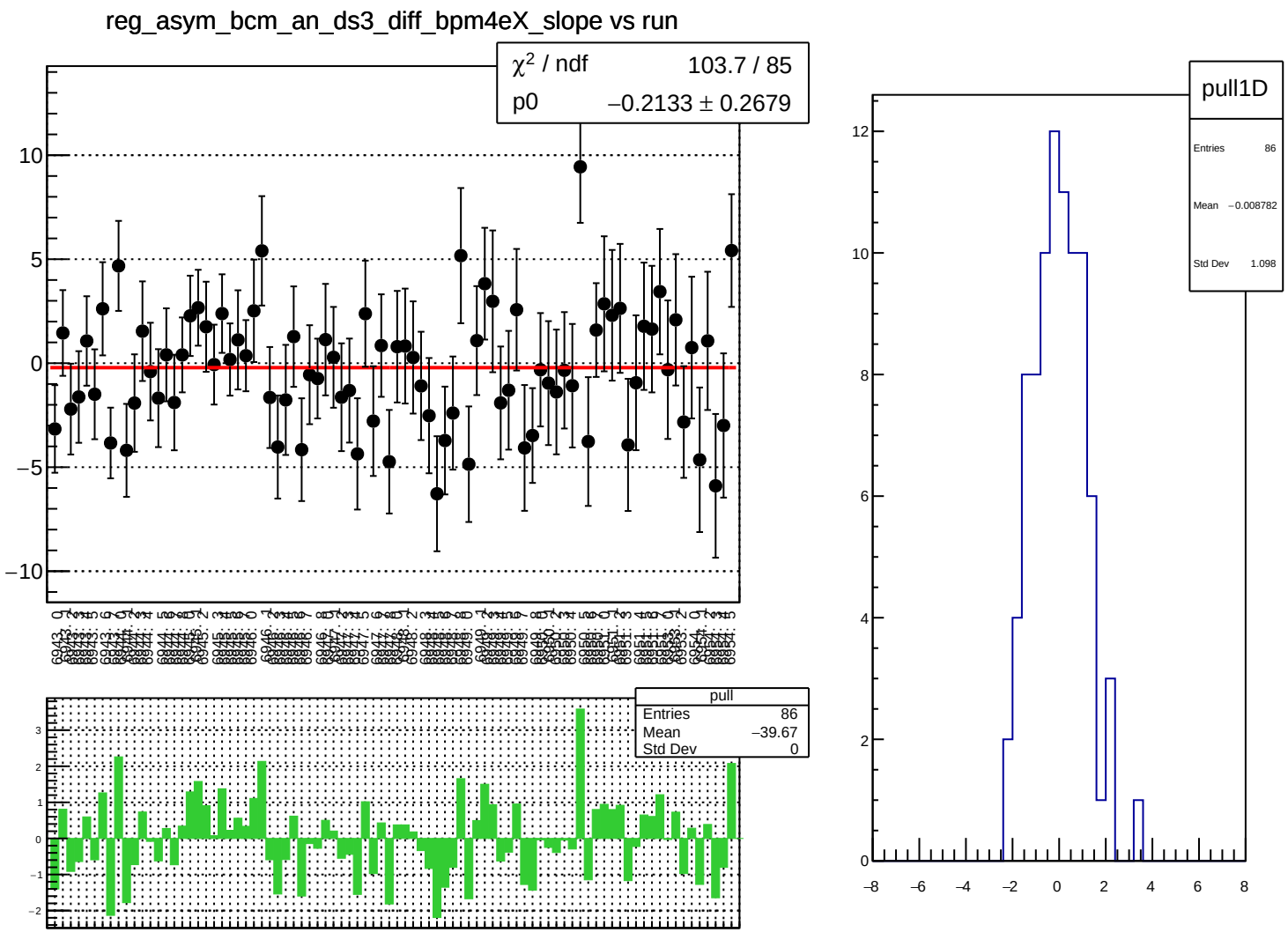

pull1D
Entries 86
Mean 0.001904
Std Dev 0.9594

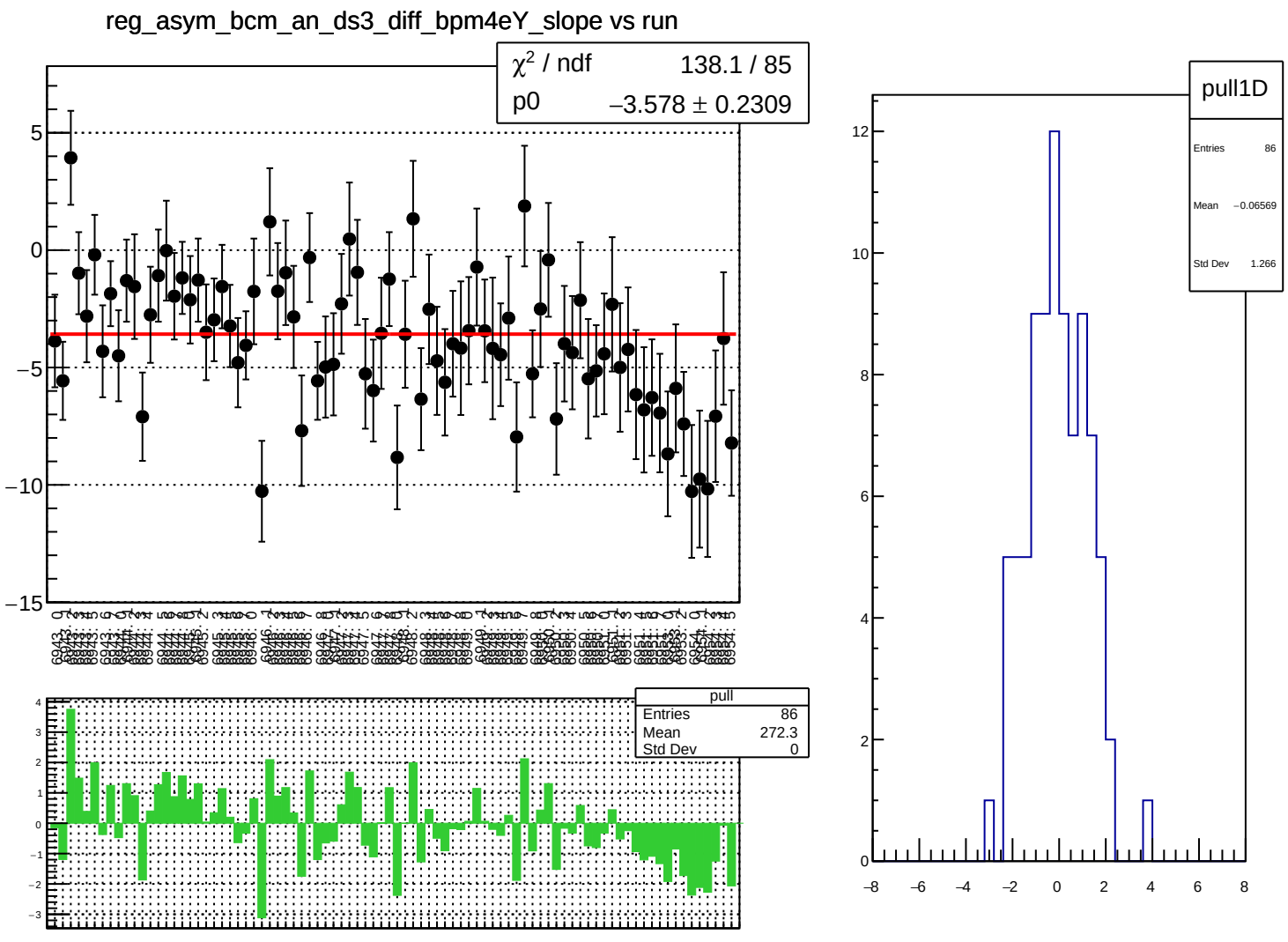

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 85
p0 −0.266 ± 0.2875
pull
Entries 86
Mean −177
Std Dev 0

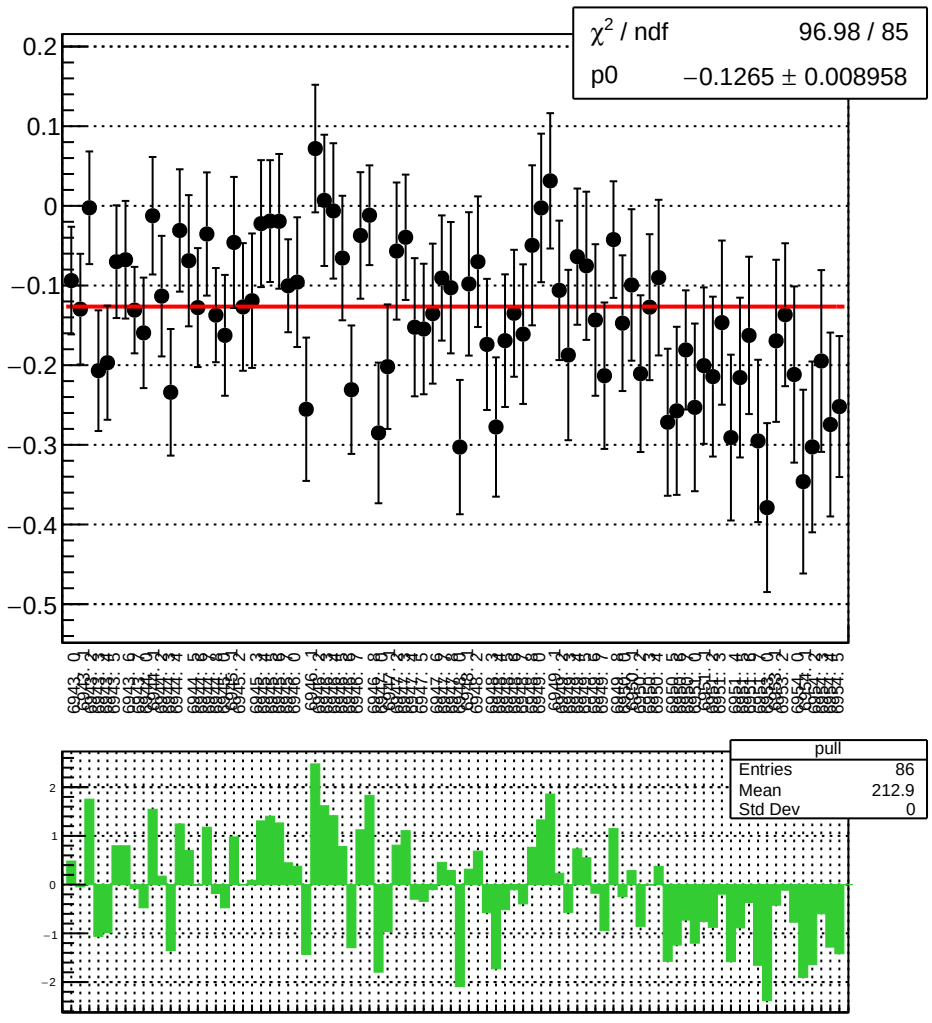

pull1D
Entries 86
Mean 0.006665
Std Dev 1.103

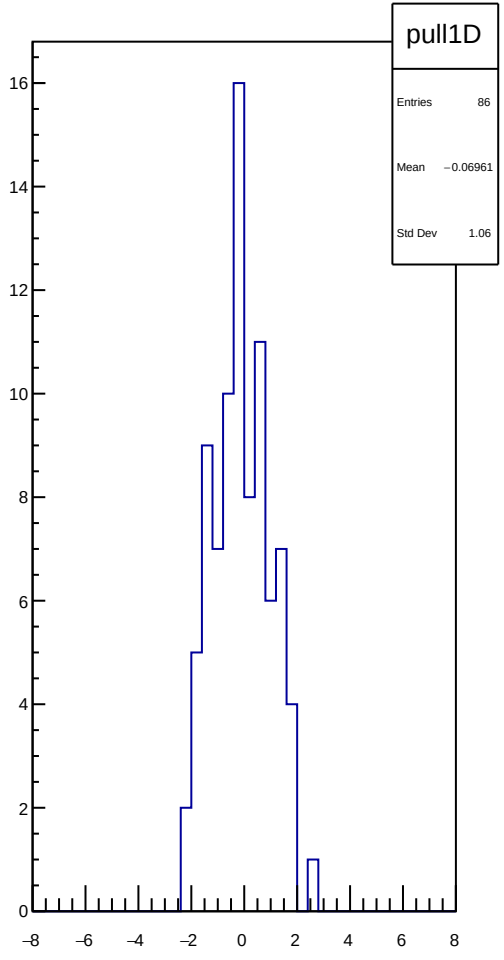

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 119.6 / 85
p0 2.952 ± 0.2016
pull
Entries 86
Mean 331
Std Dev 0

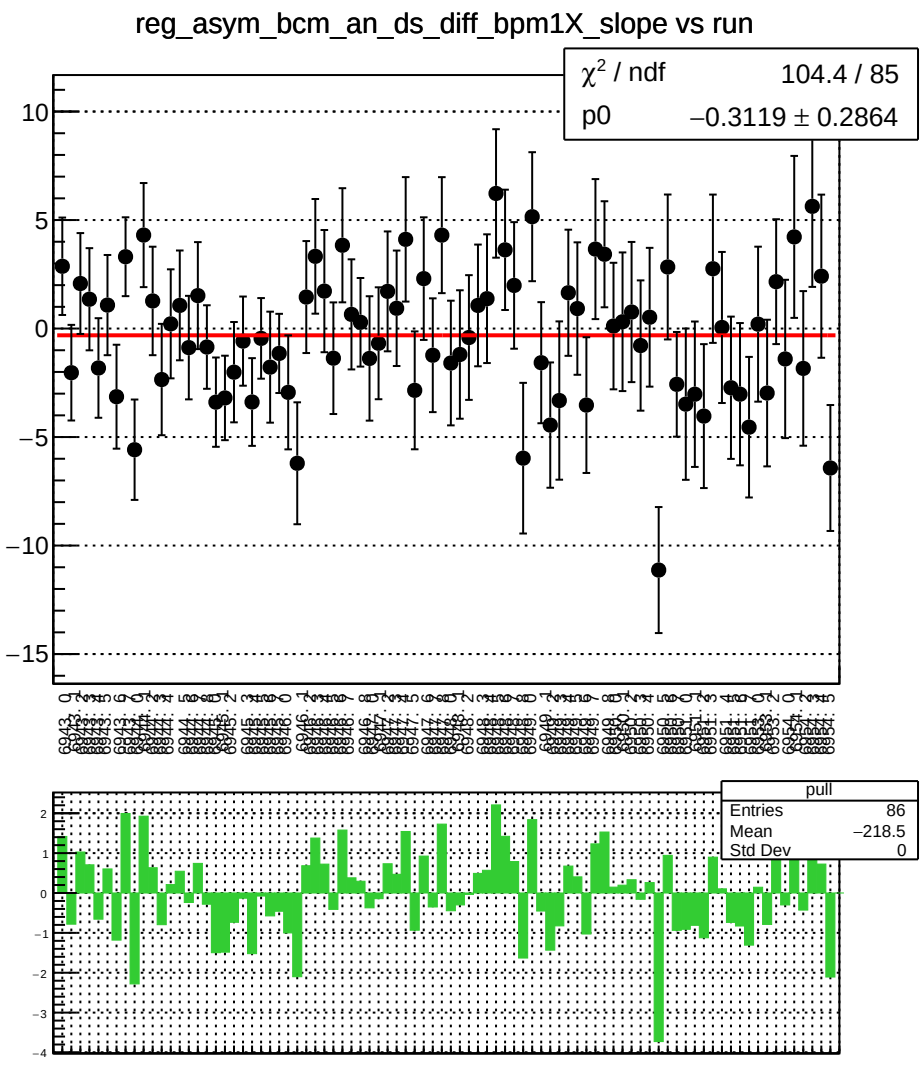

pull1D
Entries 86
Mean 0.04609
Std Dev 1.179

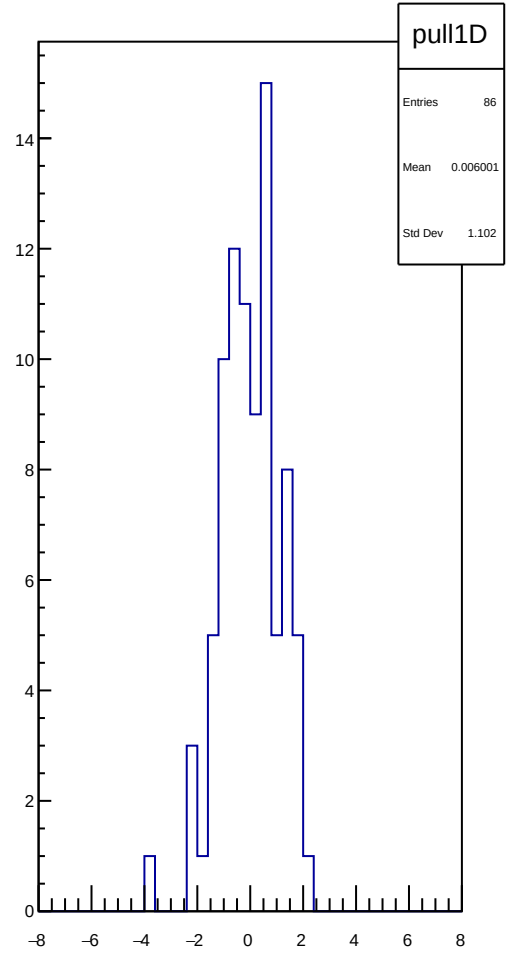

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 103.7 / 85
p0 −0.2133 ± 0.2679
pull
Entries 86
Mean −39.67
Std Dev 0
pull1D
Entries 86
Mean −0.008782
Std Dev 1.098

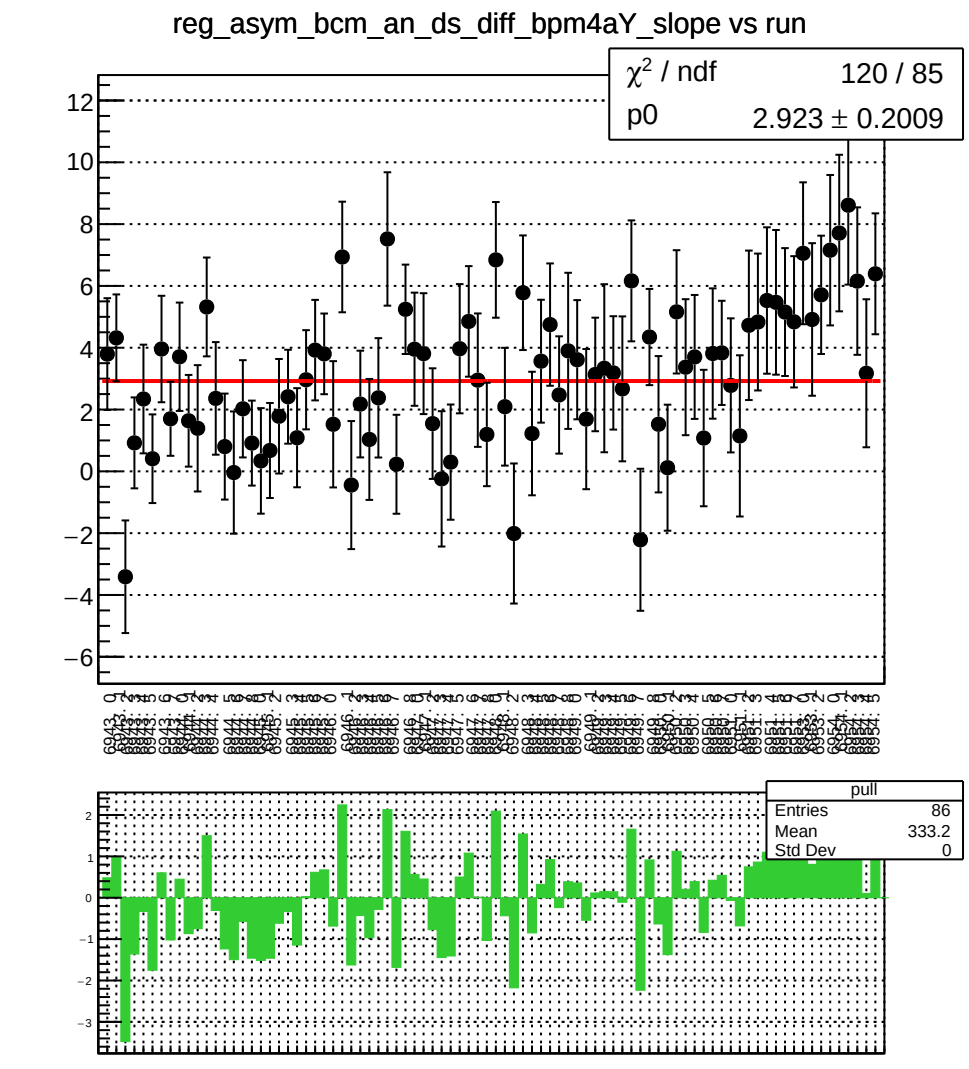

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 138.1 / 85
p0 −3.578 ± 0.2309
pull
Entries 86
Mean 272.3
Std Dev 0
pull1D
Entries 86
Mean −0.06569
Std Dev 1.266

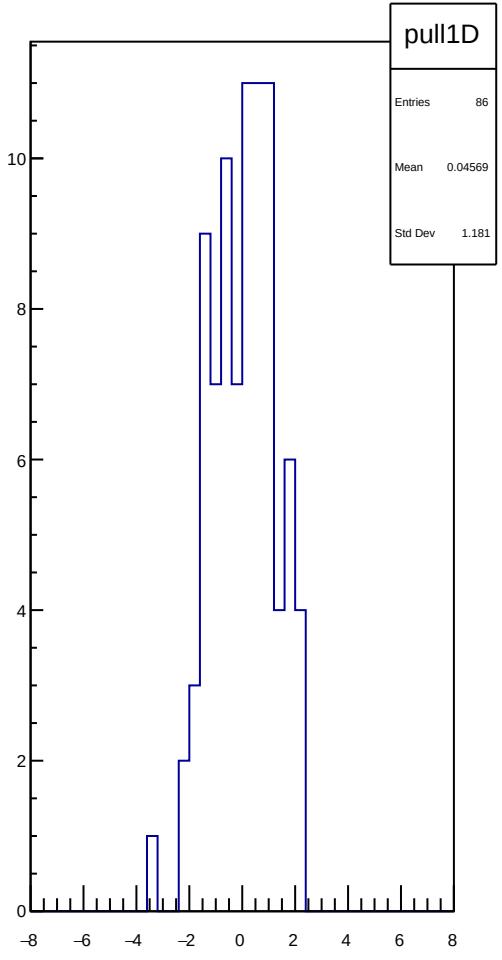

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 96.98 / 85
p0 −0.1265 ± 0.008958
pull
Entries 86
Mean 212.9
Std Dev 0

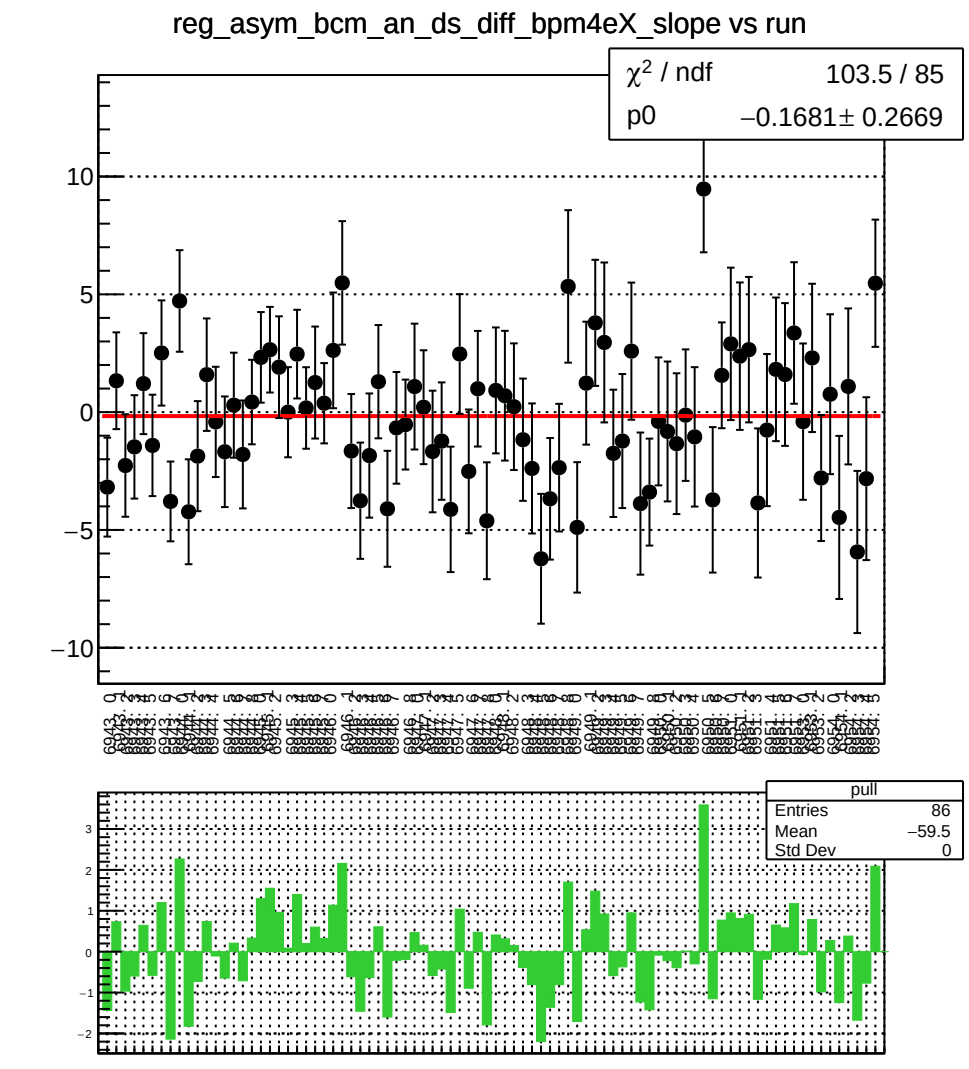

pull1D
Entries 86
Mean −0.06961
Std Dev 1.06

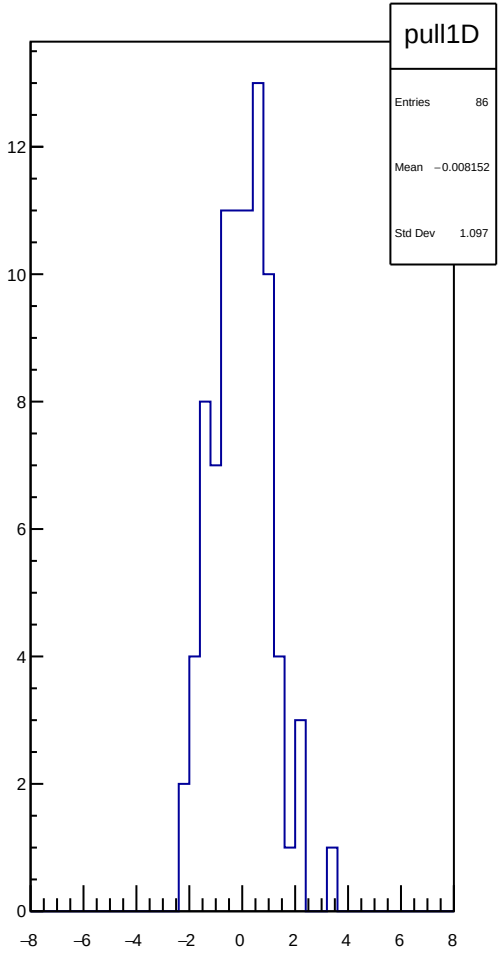

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 104.4 / 85
p0 −0.3119 ± 0.2864
pull
Entries 86
Mean −218.5
Std Dev 0

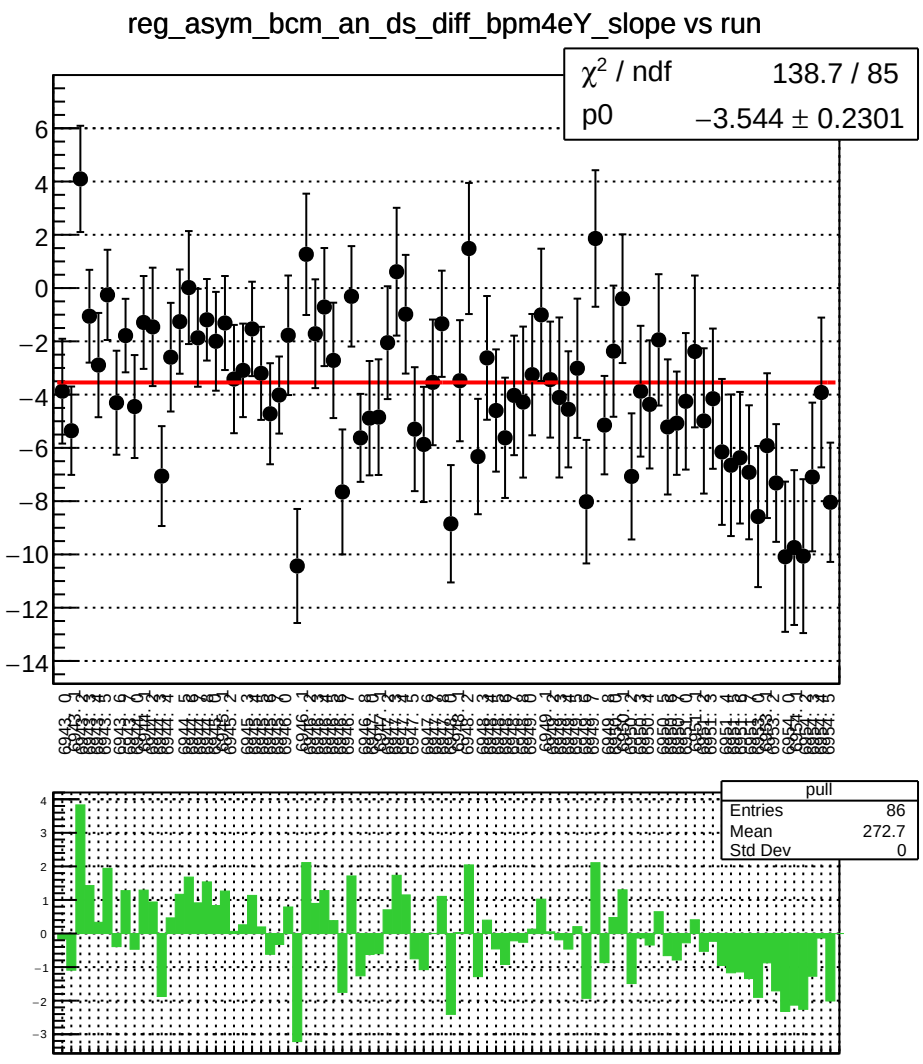

pull1D
Entries 86
Mean 0.006001
Std Dev 1.102

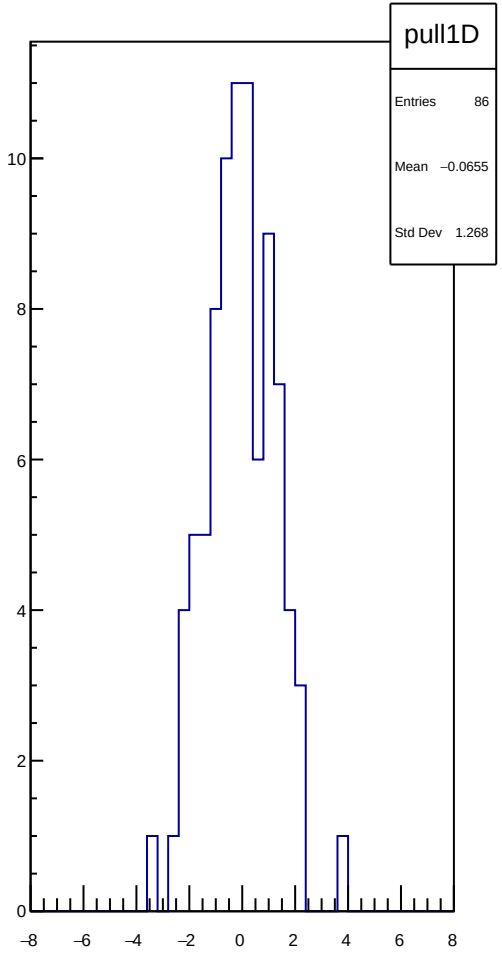

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 120 / 85
p0 2.923 ± 0.2009
pull
Entries 86
Mean 333.2
Std Dev 0

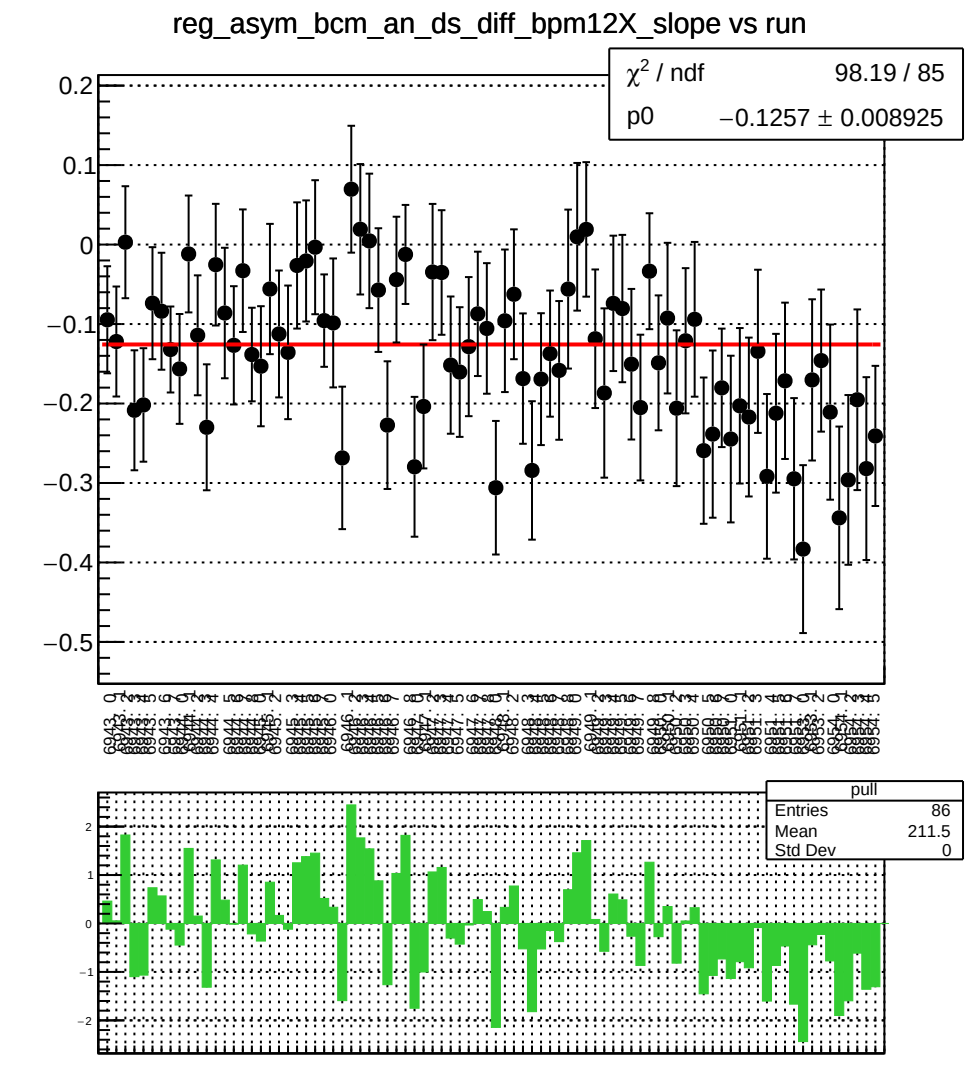

pull1D
Entries 86
Mean 0.04569
Std Dev 1.181

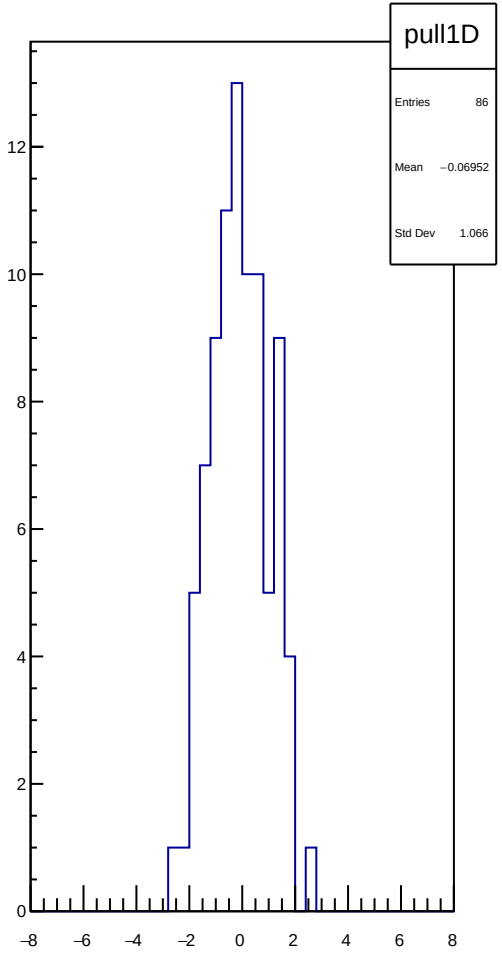

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 103.5 / 85
p0 −0.1681± 0.2669
pull
Entries 86
Mean −59.5
Std Dev 0

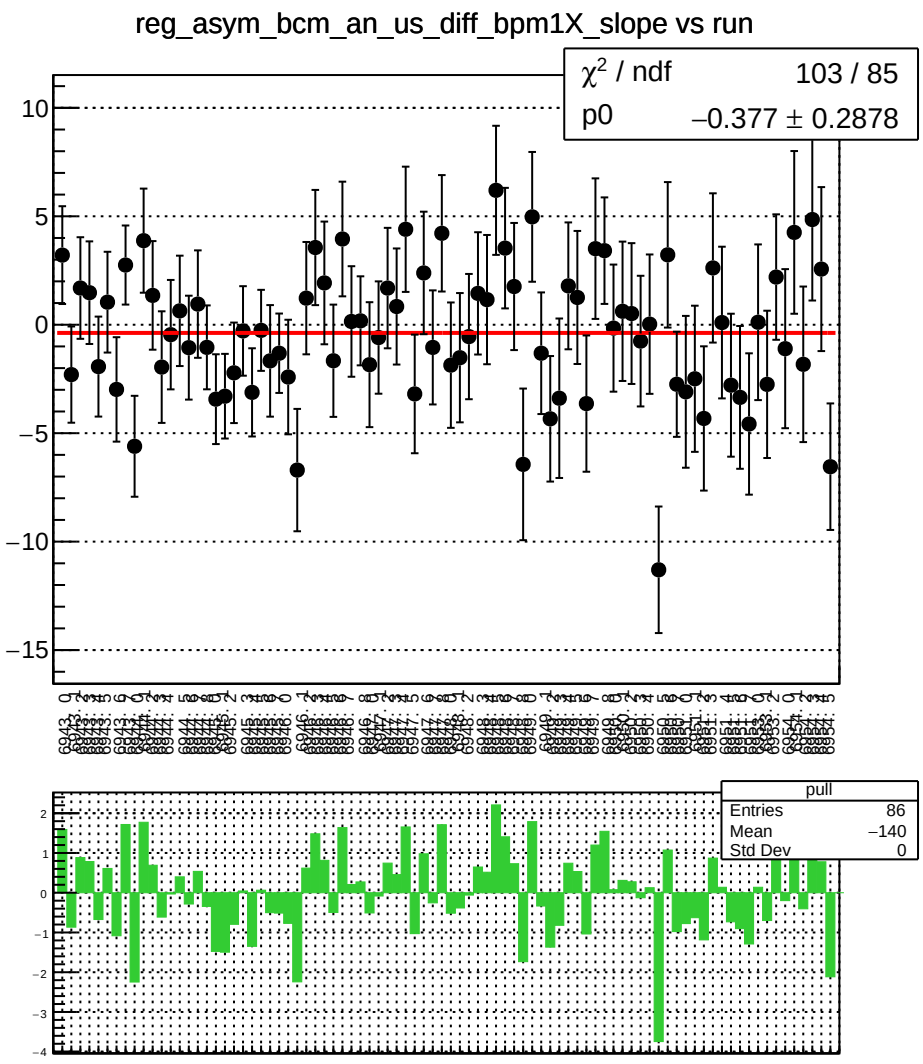

pull1D
Entries 86
Mean −0.008152
Std Dev 1.097

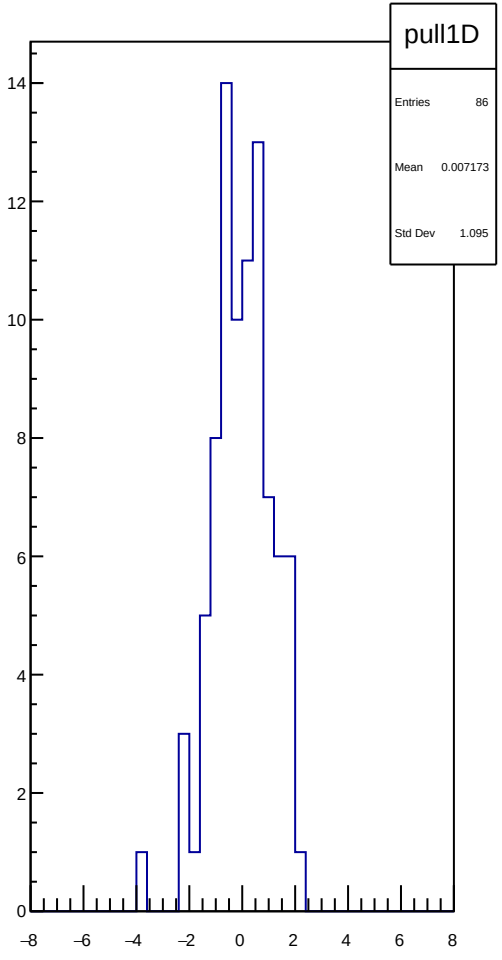

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 138.7 / 85
p0 −3.544 ± 0.2301
pull
Entries 86
Mean 272.7
Std Dev 0

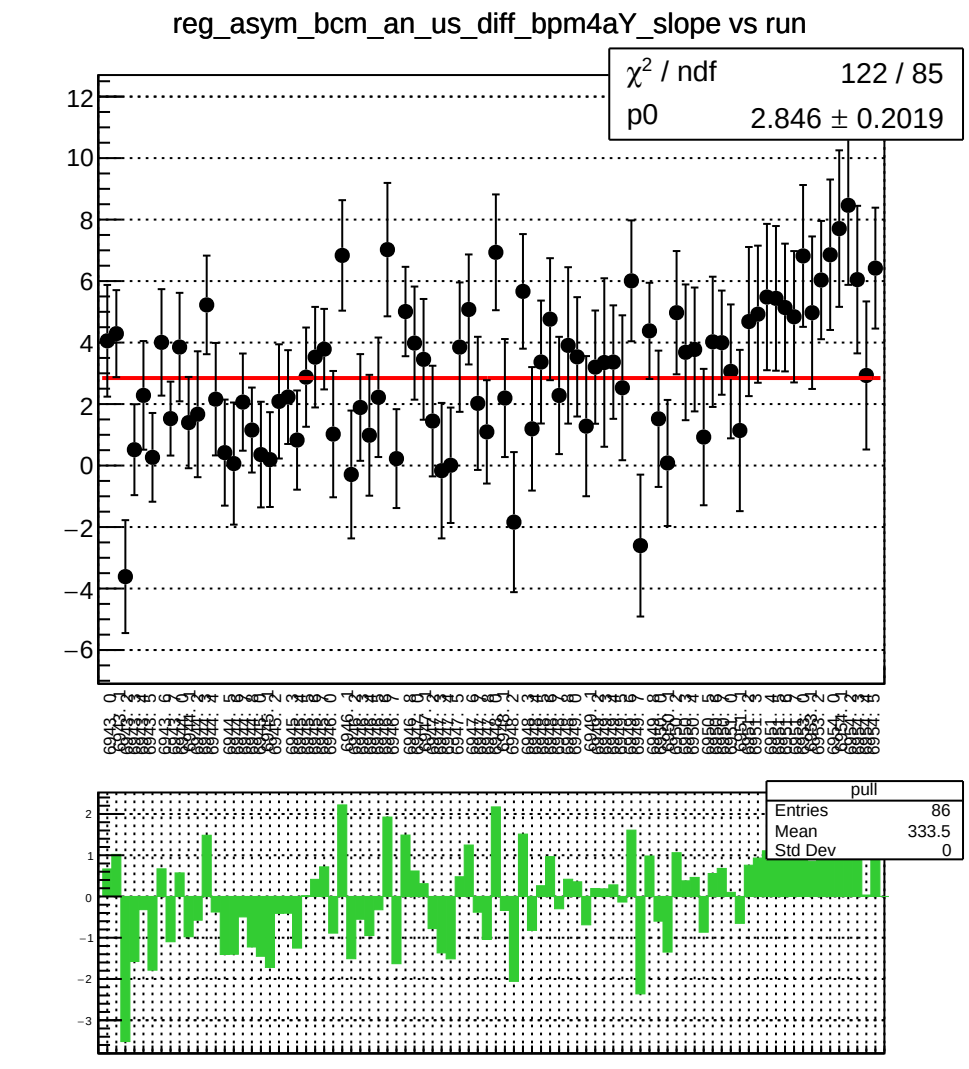

pull1D
Entries 86
Mean −0.0655
Std Dev 1.268

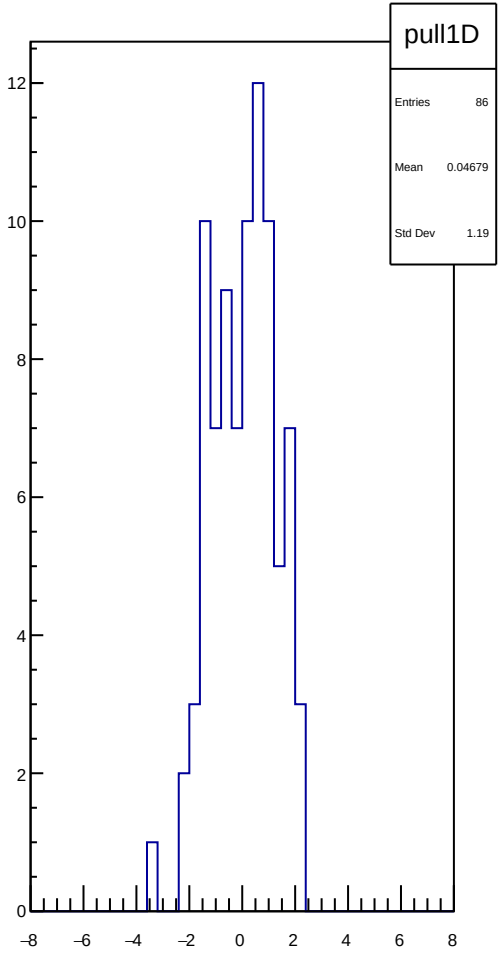

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 98.19 / 85
p0 −0.1257 ± 0.008925
pull
Entries 86
Mean 211.5
Std Dev 0

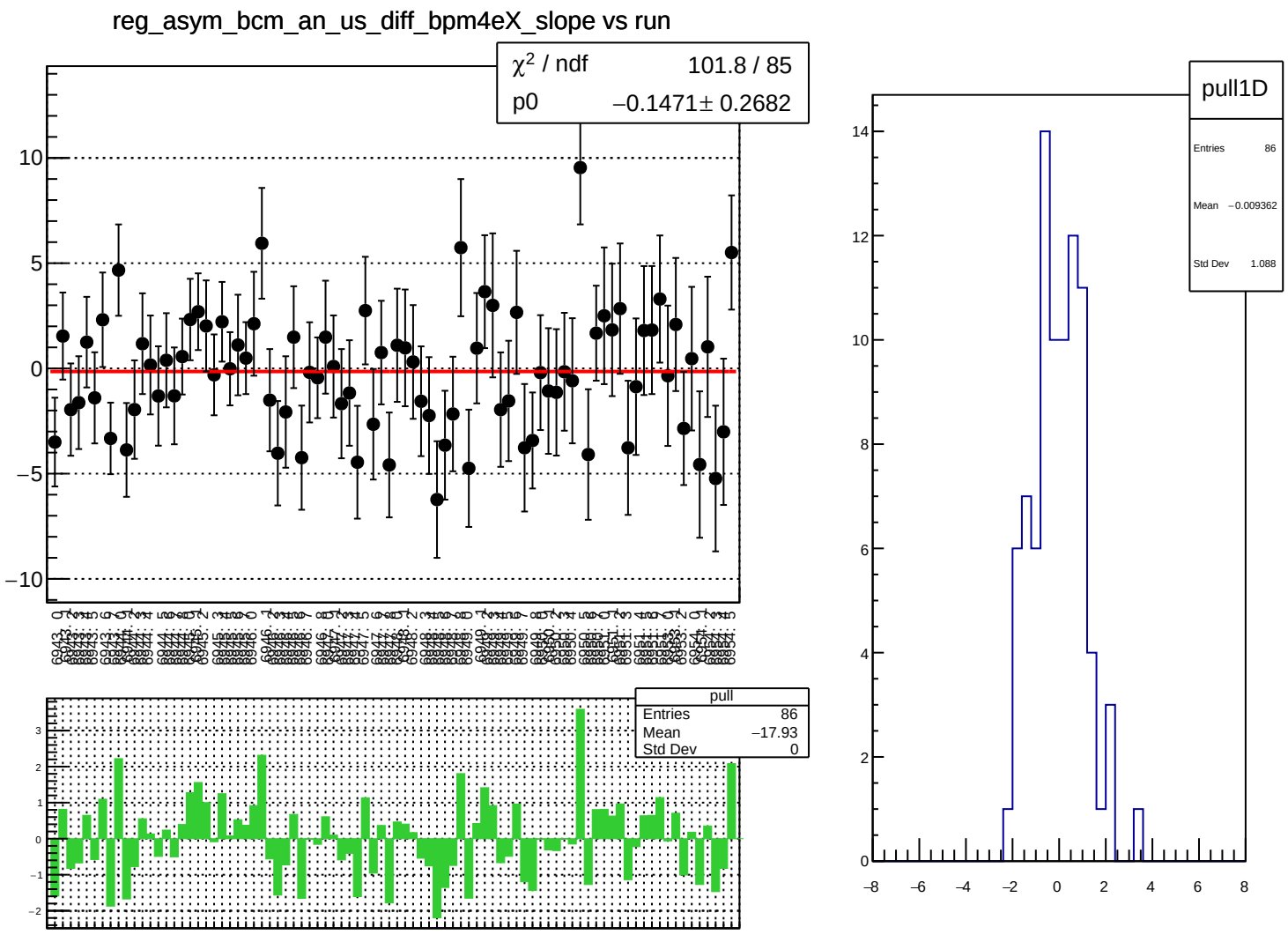

pull1D
Entries 86
Mean −0.06952
Std Dev 1.066

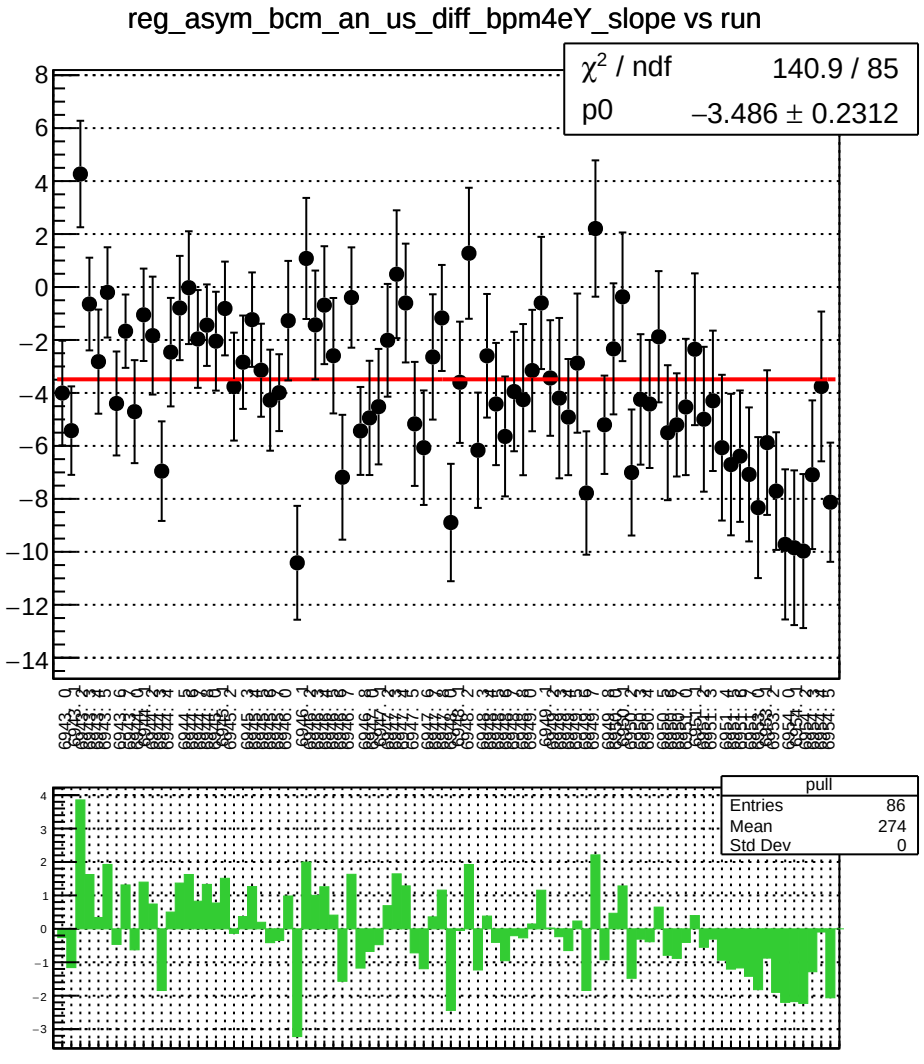

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 103 / 85
p0 −0.377 ± 0.2878
pull
Entries 86
Mean −140
Std Dev 0

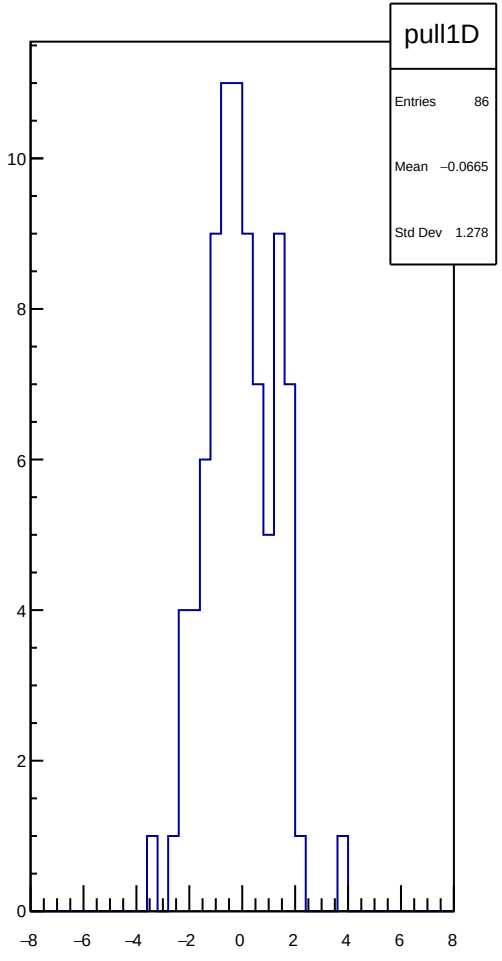

pull1D
Entries 86
Mean 0.007173
Std Dev 1.095

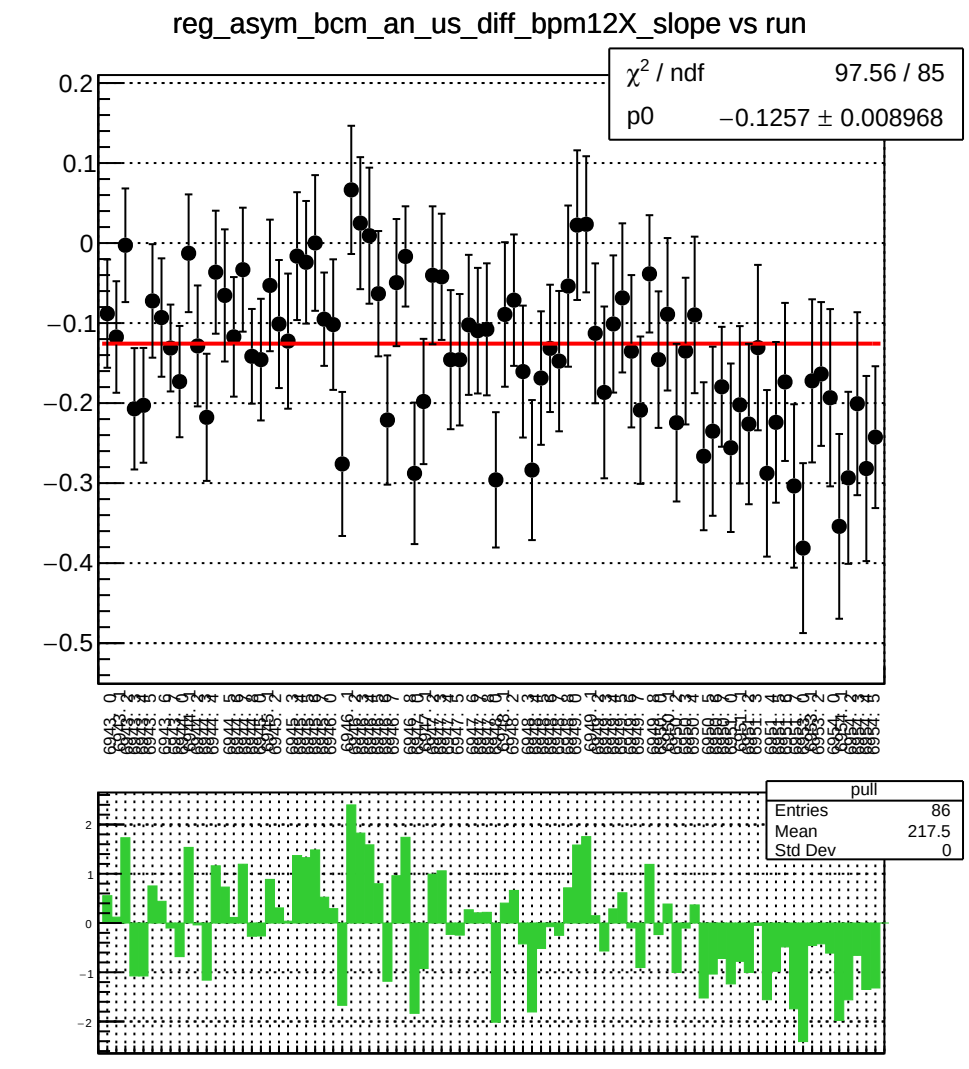

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 122 / 85
p0 2.846 ± 0.2019
pull
Entries 86
Mean 333.5
Std Dev 0

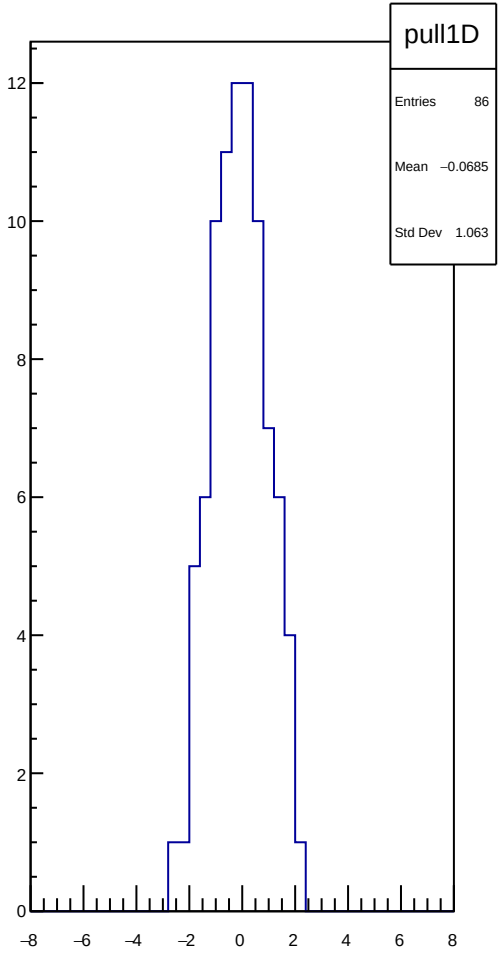

pull1D
Entries 86
Mean 0.04679
Std Dev 1.19

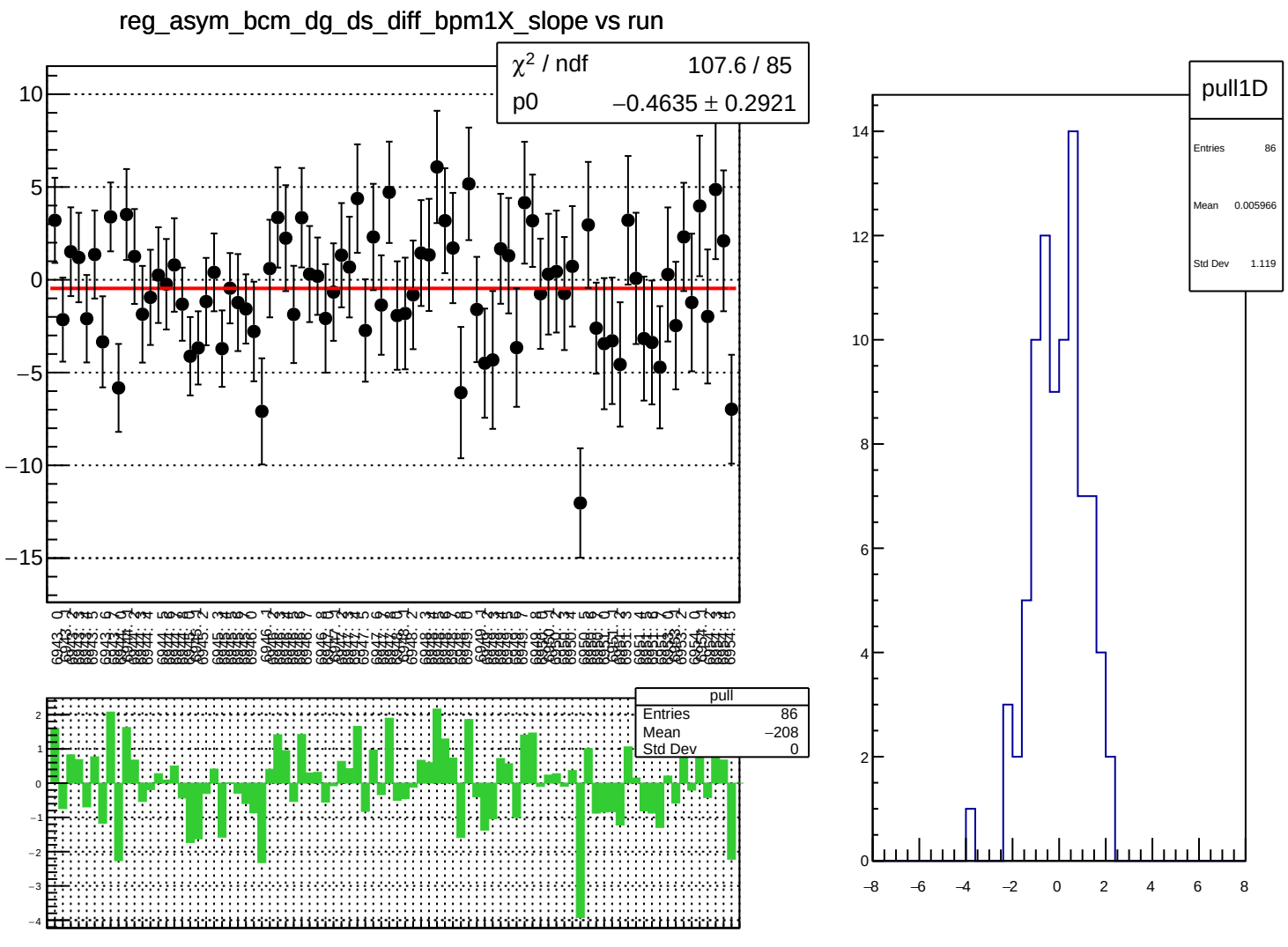

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 101.8 / 85
p0 −0.1471± 0.2682
pull
Entries 86
Mean −17.93
Std Dev 0
pull1D
Entries 86
Mean −0.009362
Std Dev 1.088

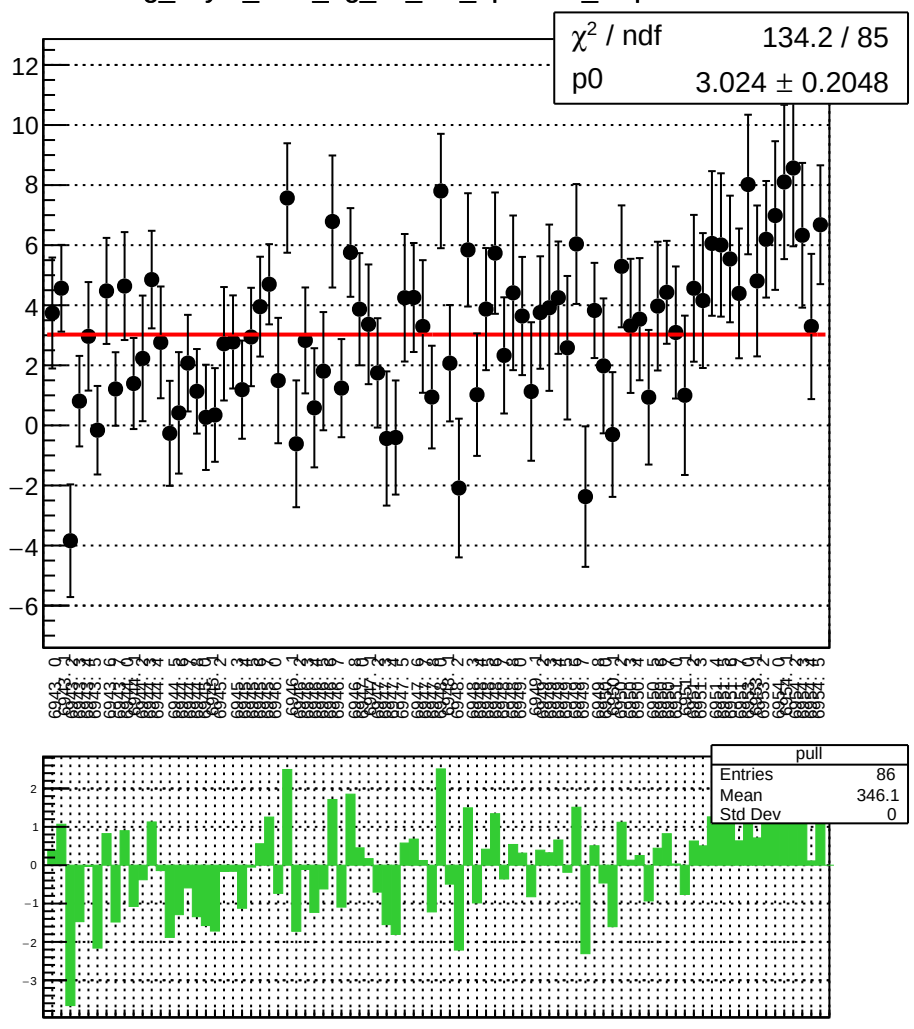

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 140.9 / 85
p0 −3.486 ± 0.2312
pull
Entries 86
Mean 274
Std Dev 0

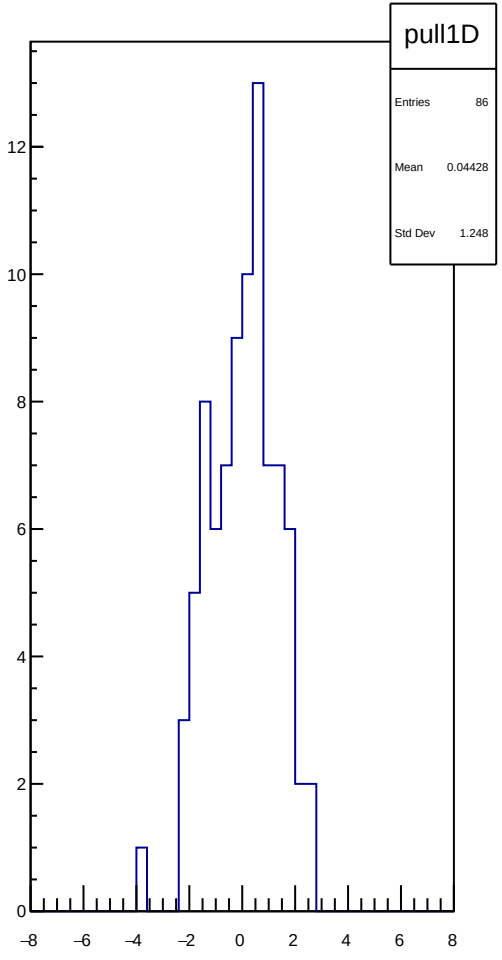

pull1D
Entries 86
Mean −0.0665
Std Dev 1.278

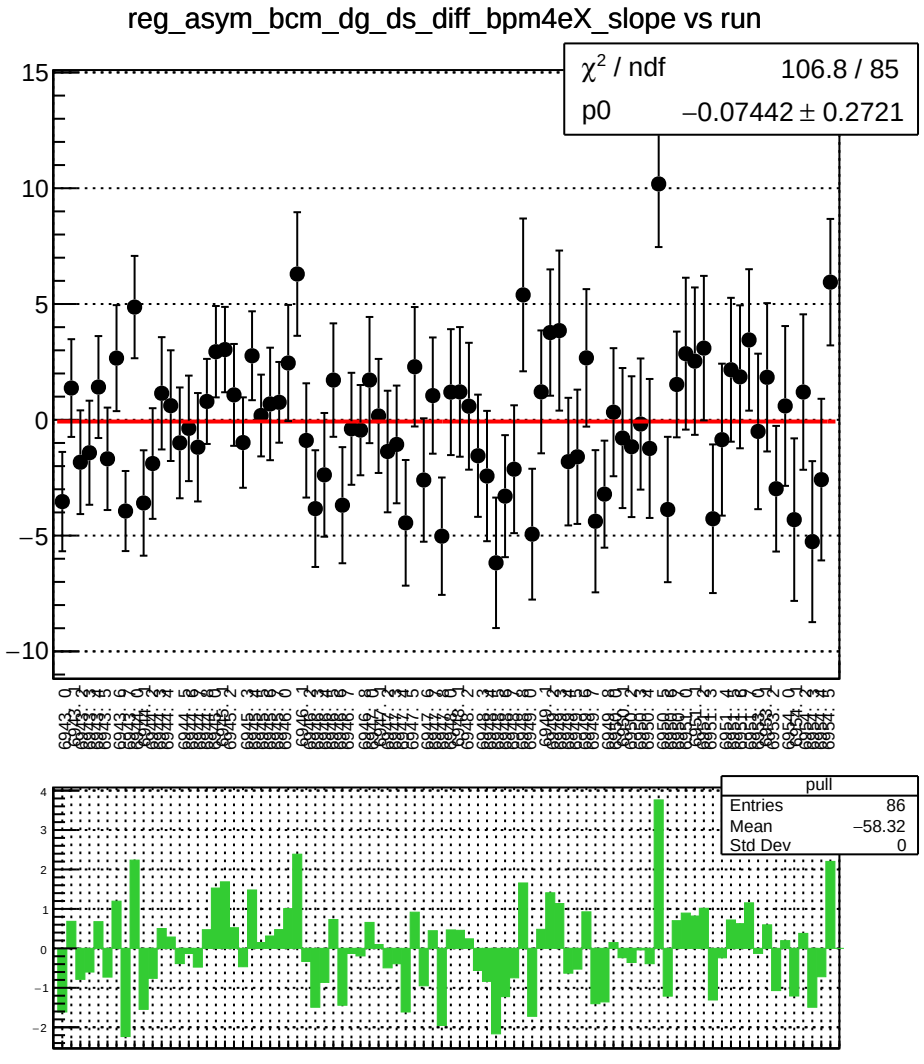

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 97.56 / 85
p0 −0.1257 ± 0.008968
pull
Entries 86
Mean 217.5
Std Dev 0

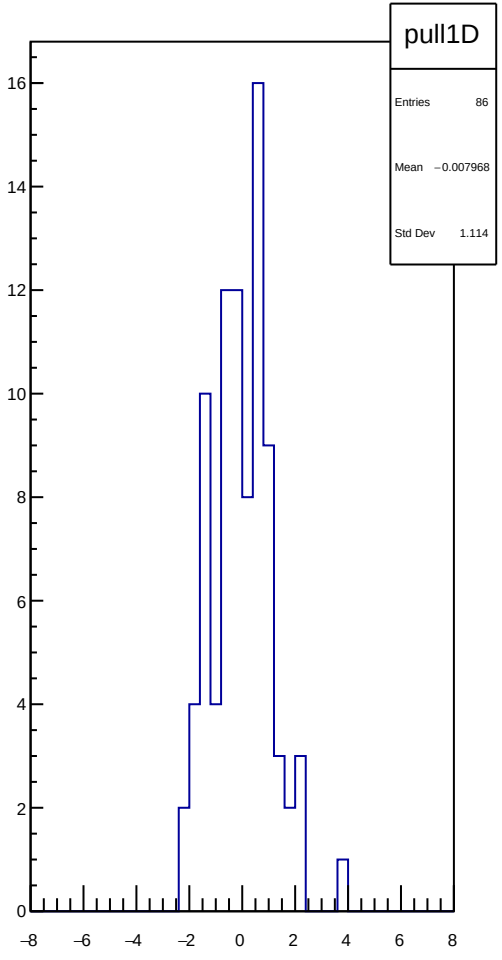

pull1D
Entries 86
Mean −0.0685
Std Dev 1.063

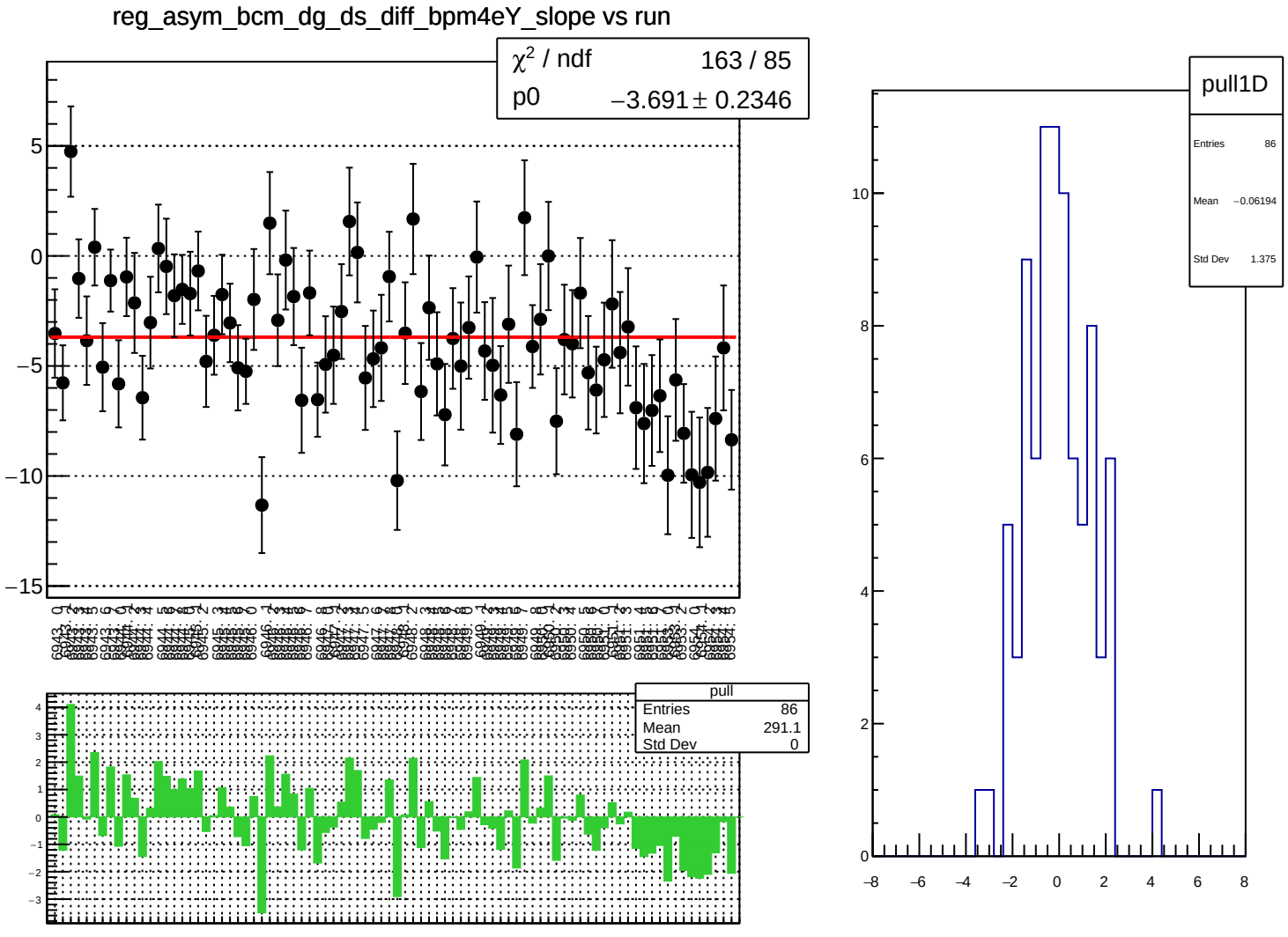

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 107.6 / 85
p0 −0.4635 ± 0.2921
pull
Entries 86
Mean −208
Std Dev 0
pull1D
Entries 86
Mean 0.005966
Std Dev 1.119

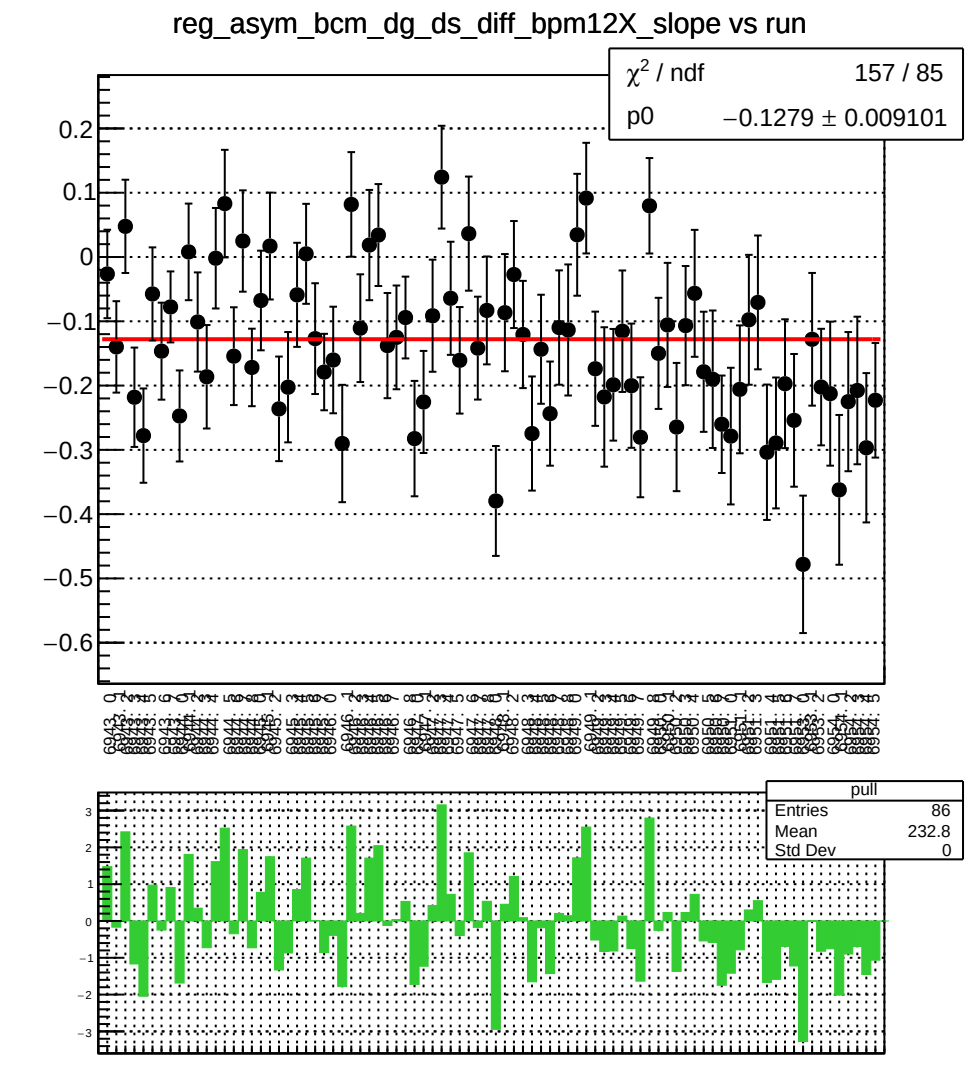

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 134.2 / 85
p0 3.024 ± 0.2048
pull
Entries 86
Mean 346.1
Std Dev 0

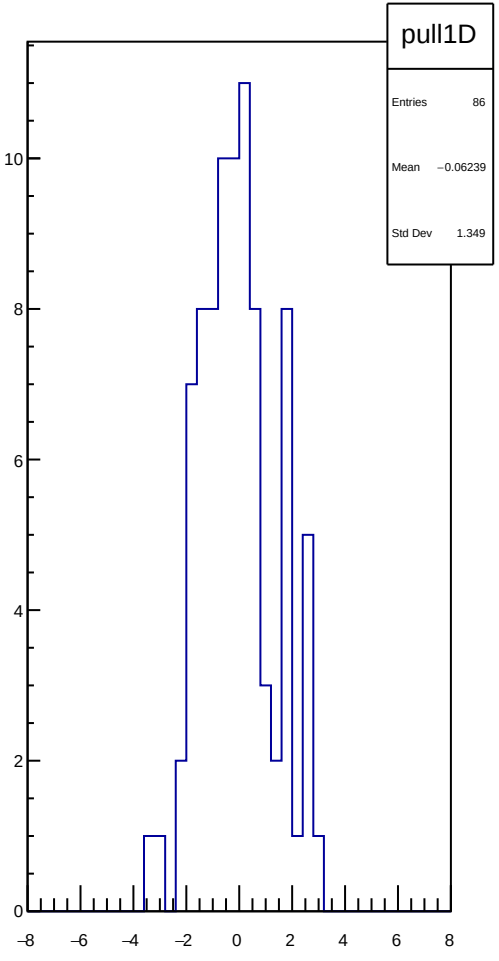

pull1D
Entries 86
Mean 0.04428
Std Dev 1.248

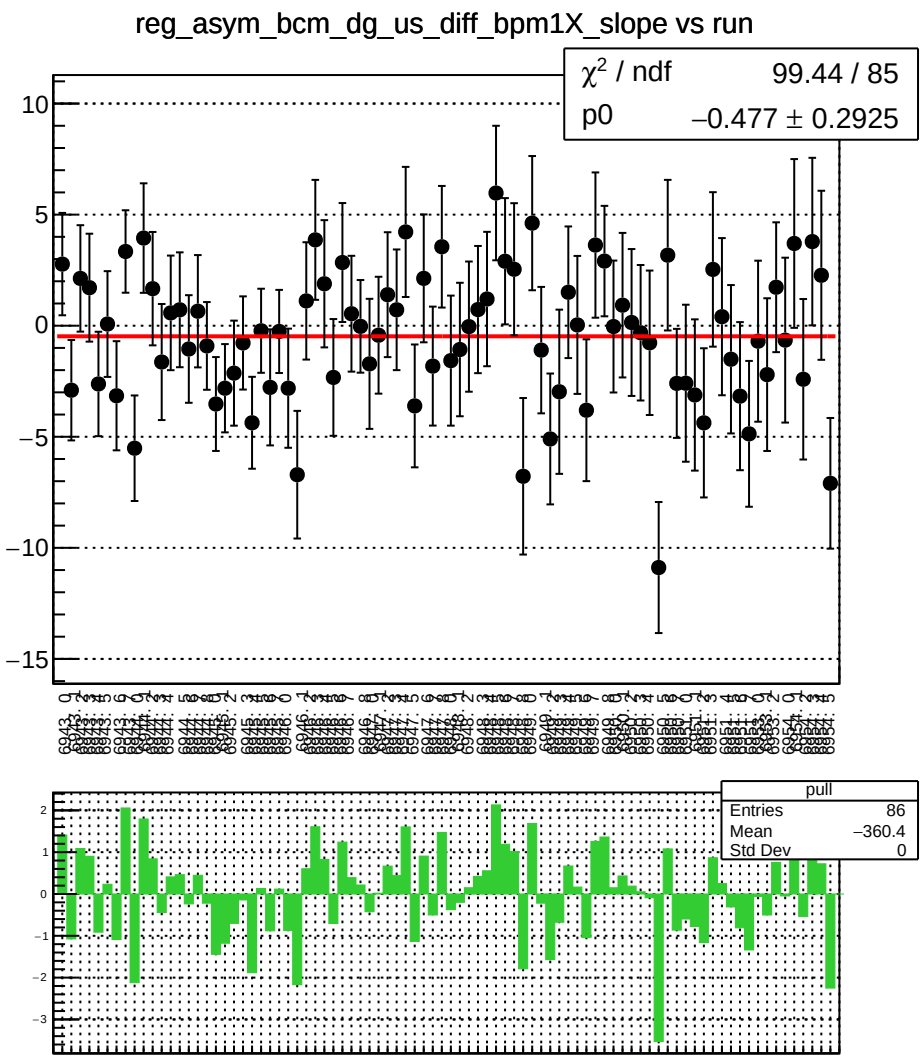

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 106.8 / 85
p0 −0.07442 ± 0.2721
pull
Entries 86
Mean −58.32
Std Dev 0

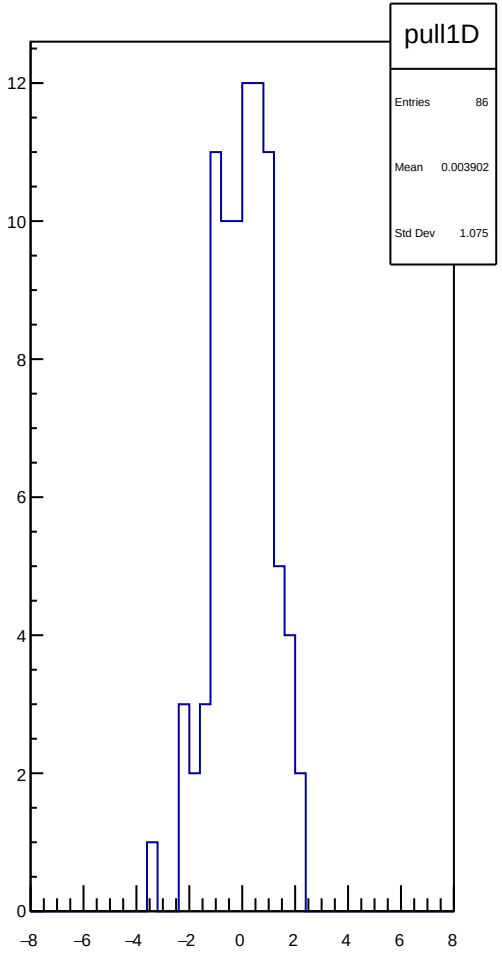

pull1D
Entries 86
Mean −0.007968
Std Dev 1.114

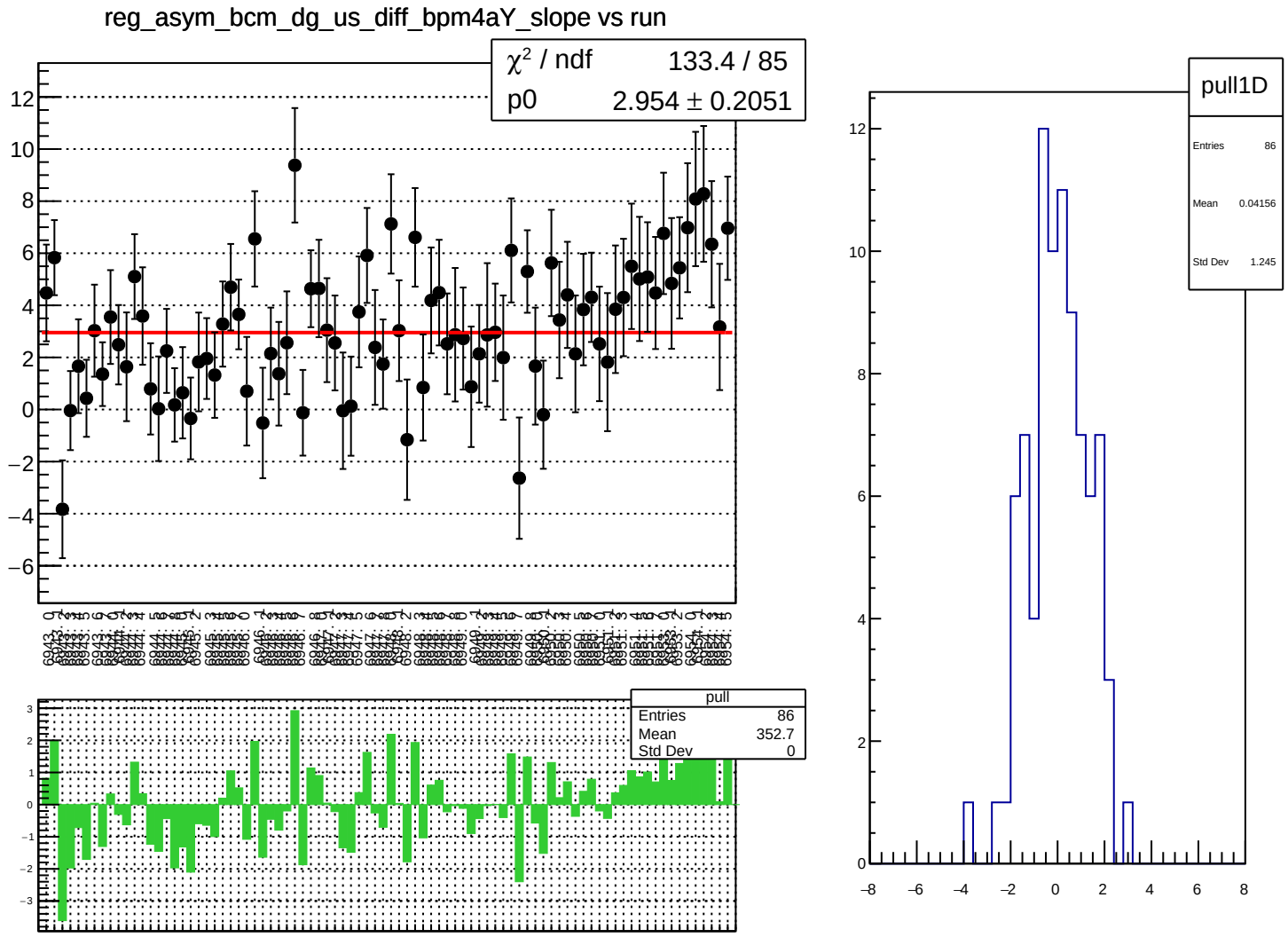

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 163 / 85
p0 −3.691 ± 0.2346
pull
Entries 86
Mean 291.1
Std Dev 0
pull1D
Entries 86
Mean −0.06194
Std Dev 1.375

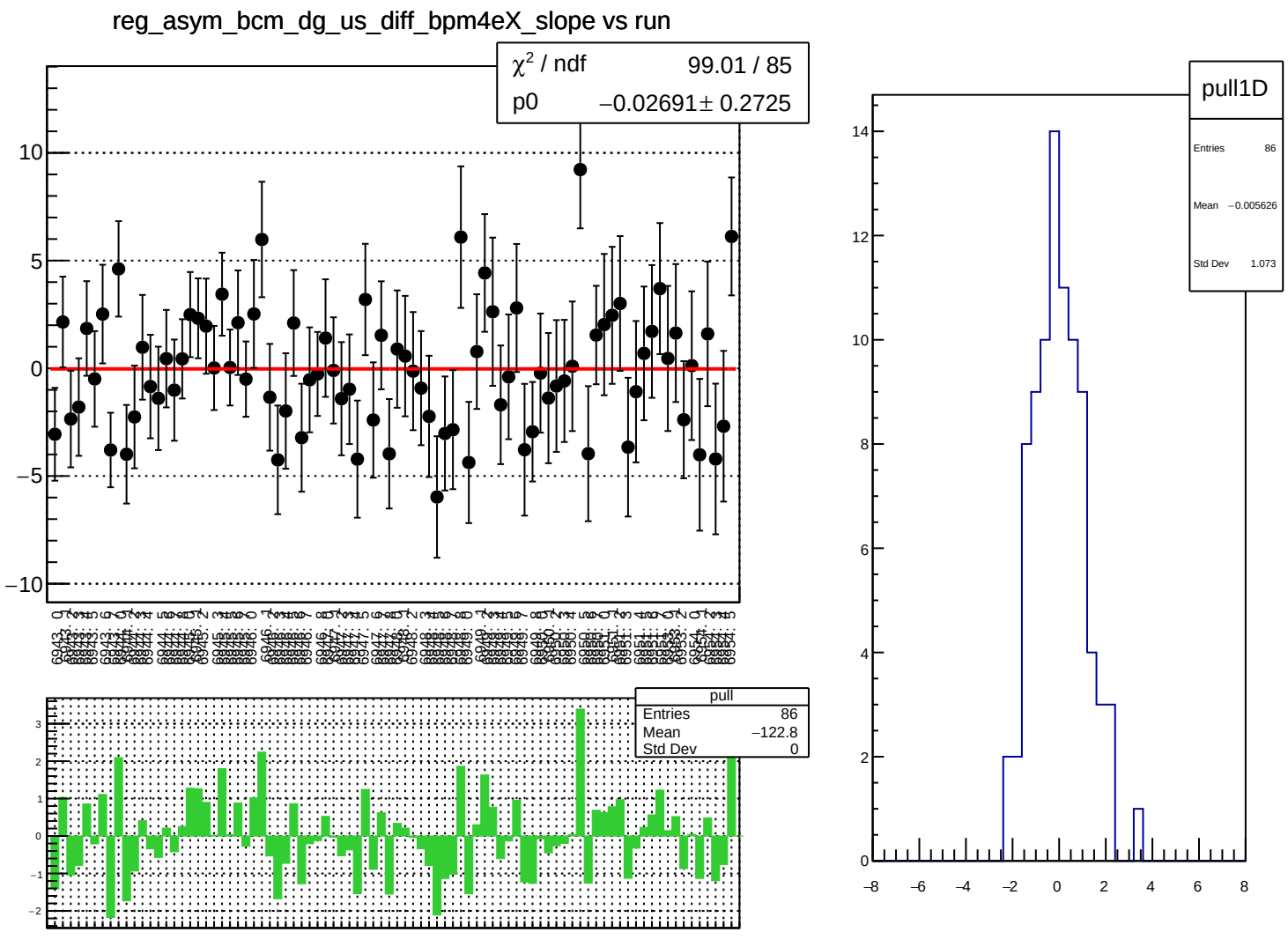

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 157 / 85
p0 −0.1279 ± 0.009101
pull
Entries 86
Mean 232.8
Std Dev 0

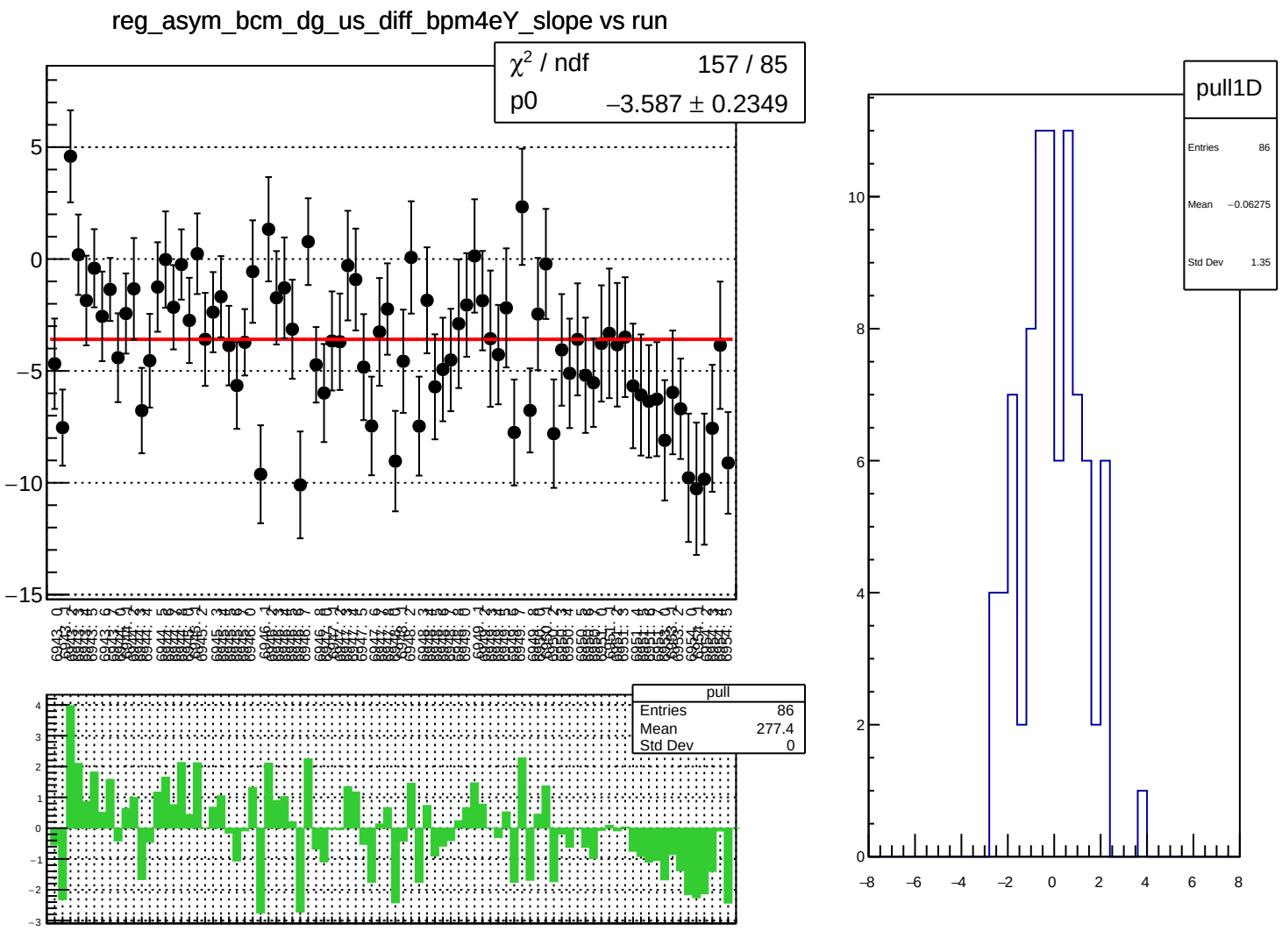

pull1D
Entries 86
Mean −0.06239
Std Dev 1.349

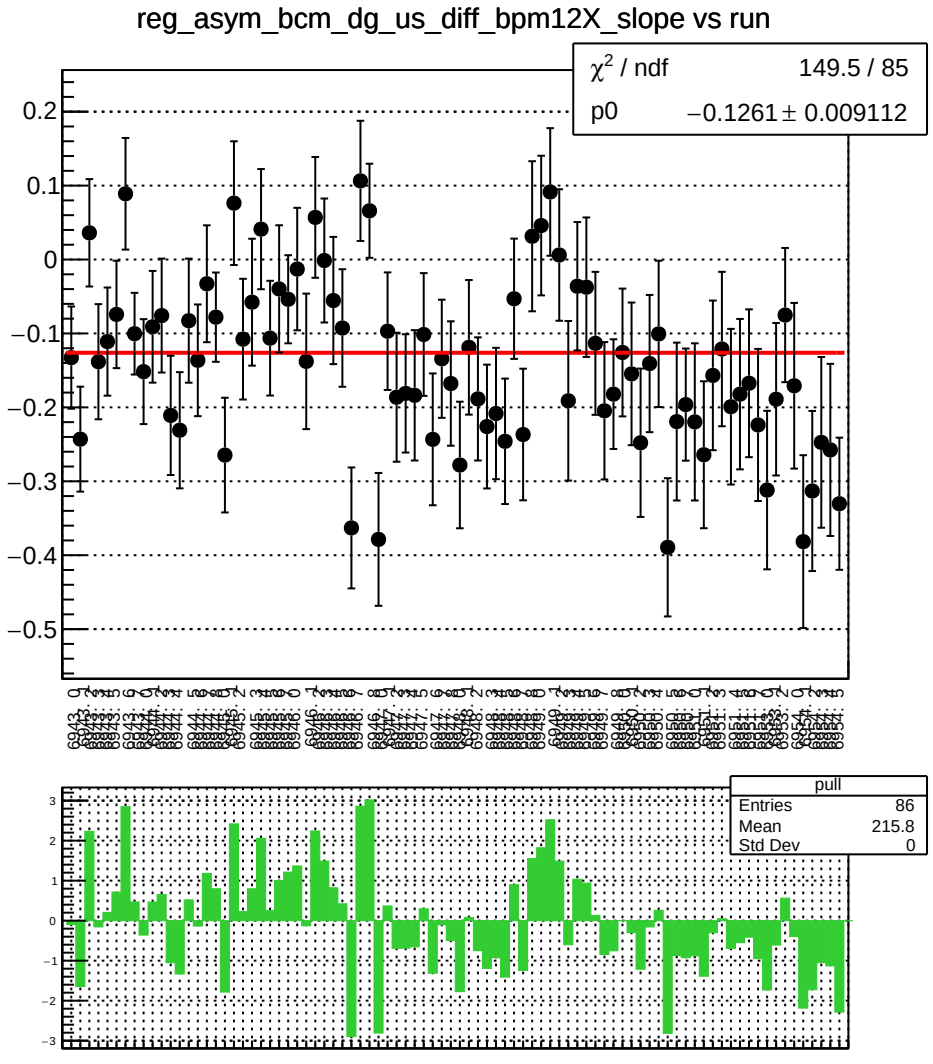

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 99.44 / 85
p0 −0.477 ± 0.2925
pull
Entries 86
Mean −360.4
Std Dev 0

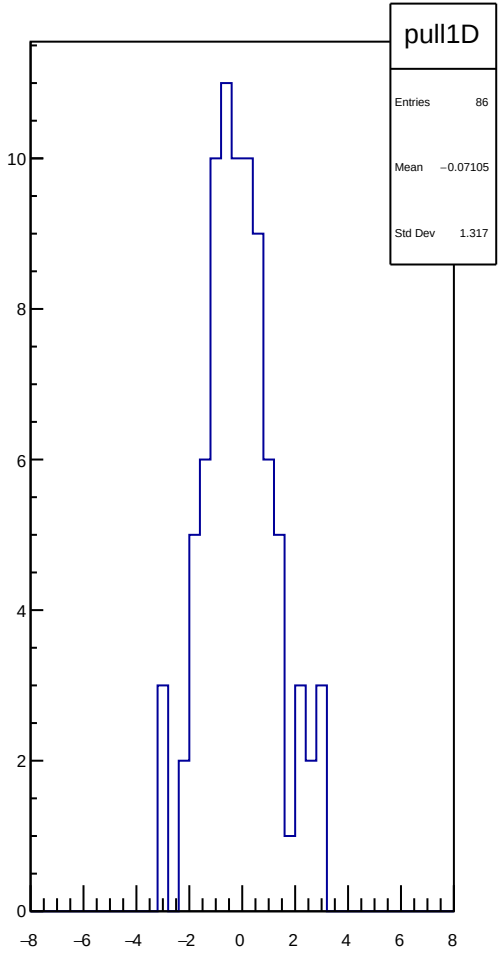

pull1D
Entries 86
Mean 0.003902
Std Dev 1.075

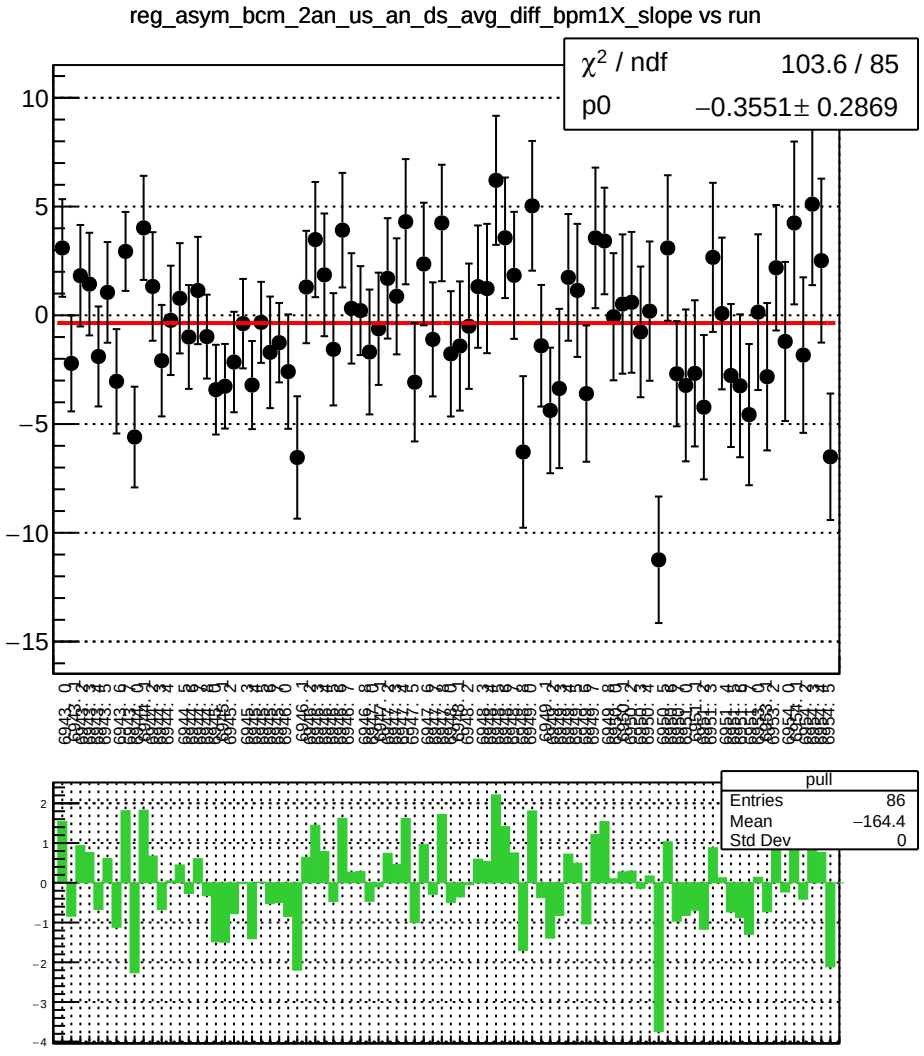

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 133.4 / 85
p0 2.954 ± 0.2051
pull
Entries 86
Mean 352.7
Std Dev 0
pull1D
Entries 86
Mean 0.04156
Std Dev 1.245

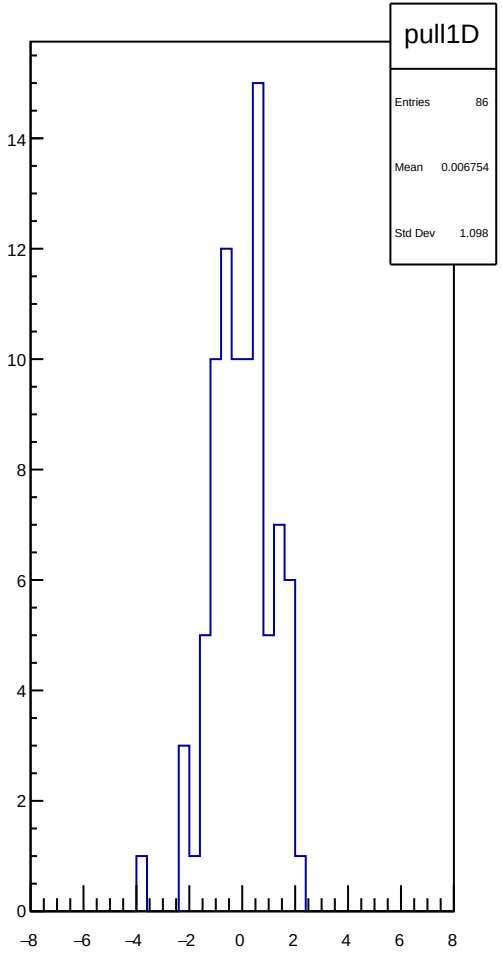

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 99.01 / 85
p0 −0.02691 ± 0.2725
pull
Entries 86
Mean −122.8
Std Dev 0
pull1D
Entries 86
Mean −0.005626
Std Dev 1.073

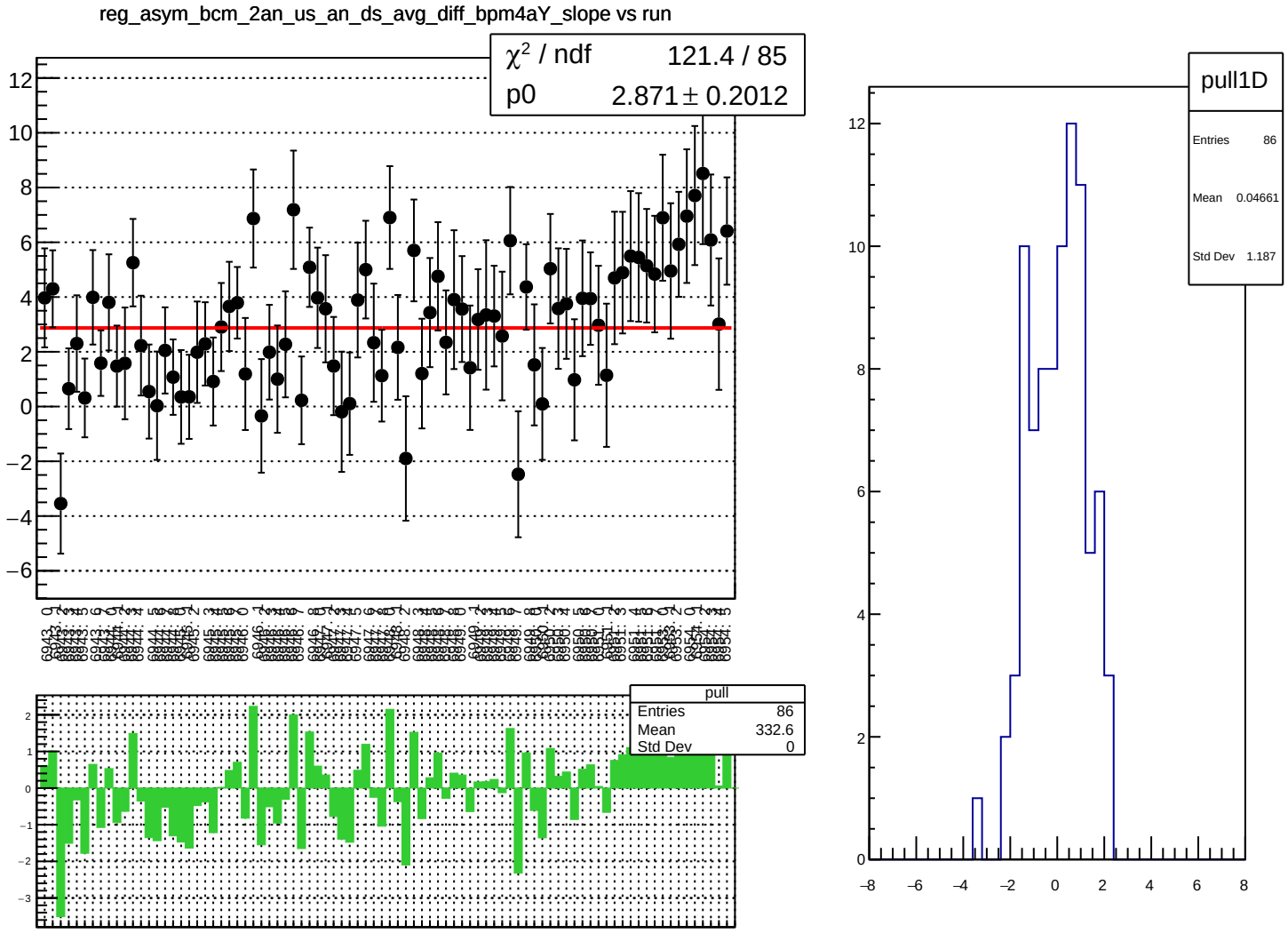

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 157 / 85
p0 −3.587 ± 0.2349
pull
Entries 86
Mean 277.4
Std Dev 0
pull1D
Entries 86
Mean −0.06275
Std Dev 1.35

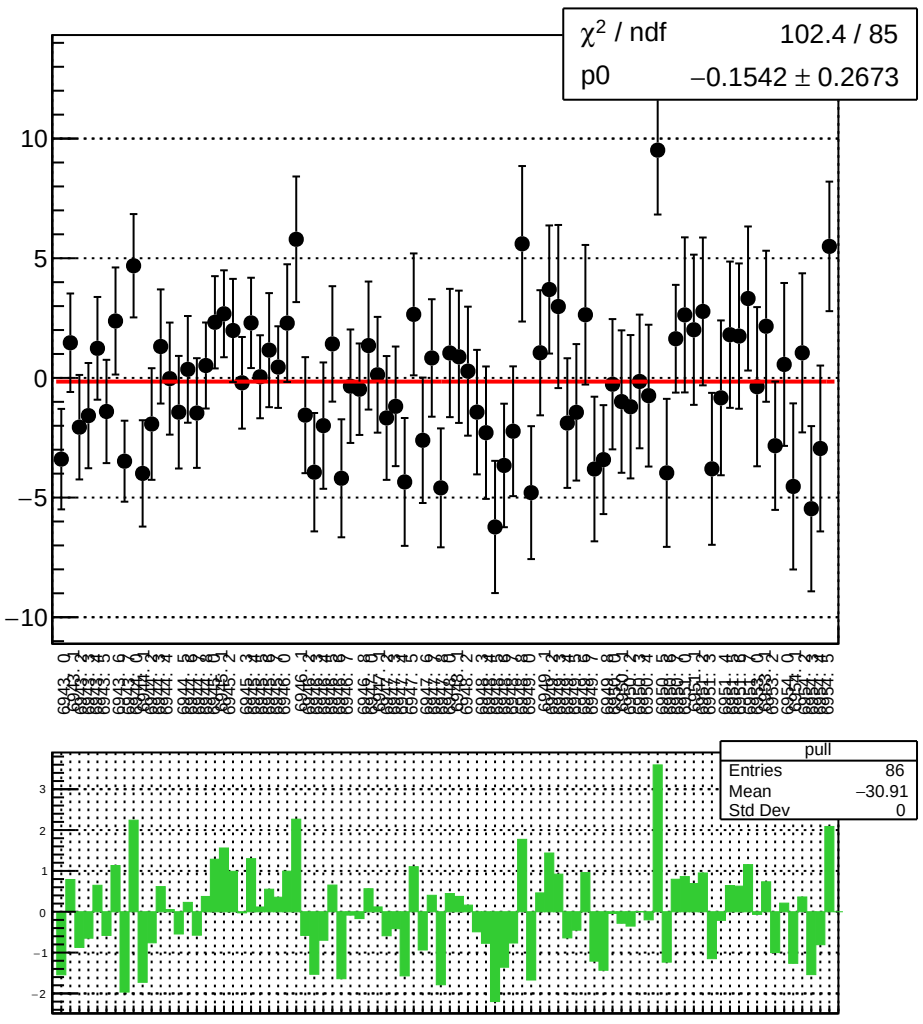

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 149.5 / 85
p0 −0.1261 ± 0.009112
pull
Entries 86
Mean 215.8
Std Dev 0

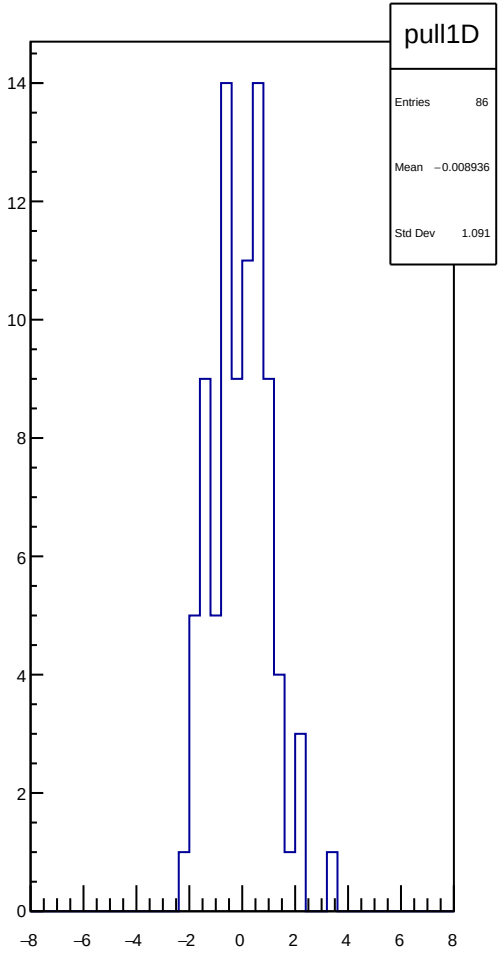

pull1D
Entries 86
Mean −0.07105
Std Dev 1.317

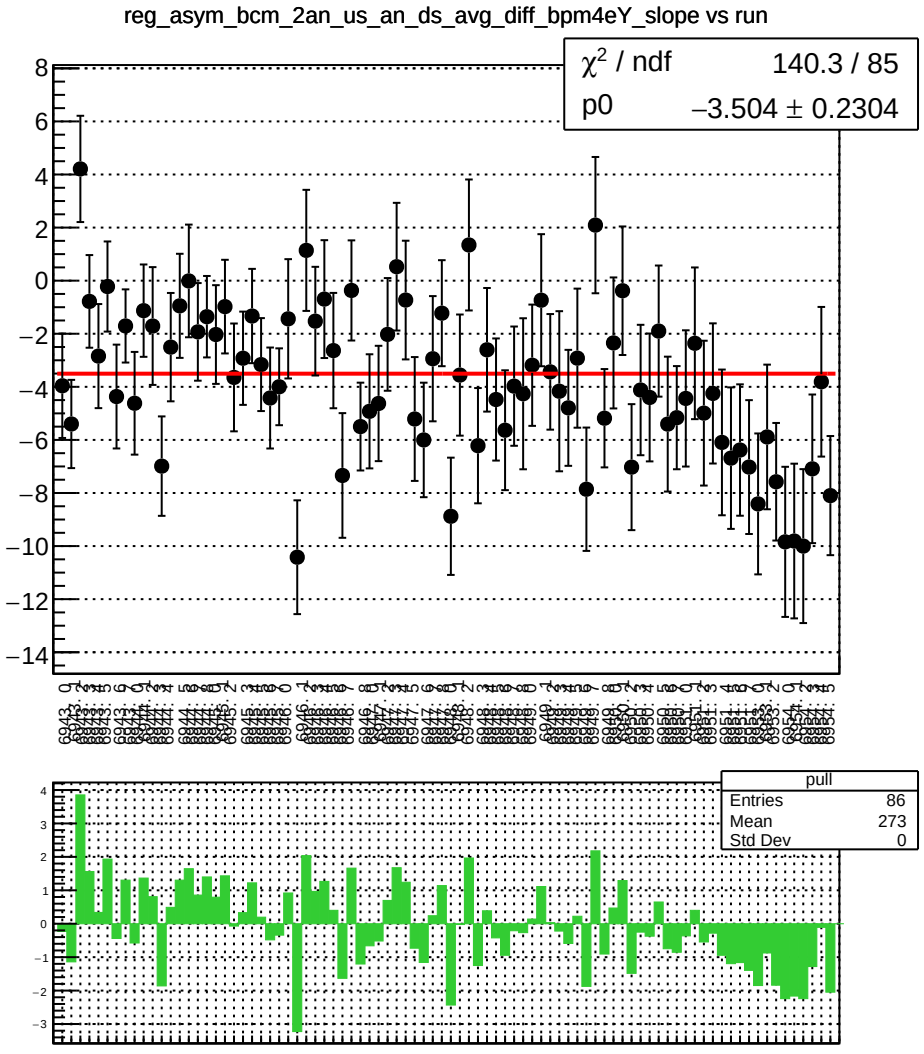

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 103.6 / 85
p0 −0.3551± 0.2869
pull
Entries 86
Mean −164.4
Std Dev 0

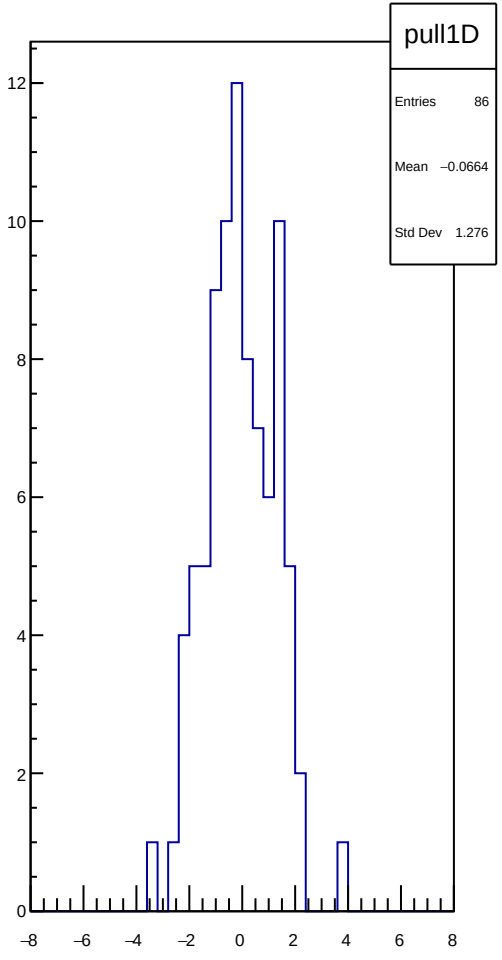

pull1D
Entries 86
Mean 0.006754
Std Dev 1.098

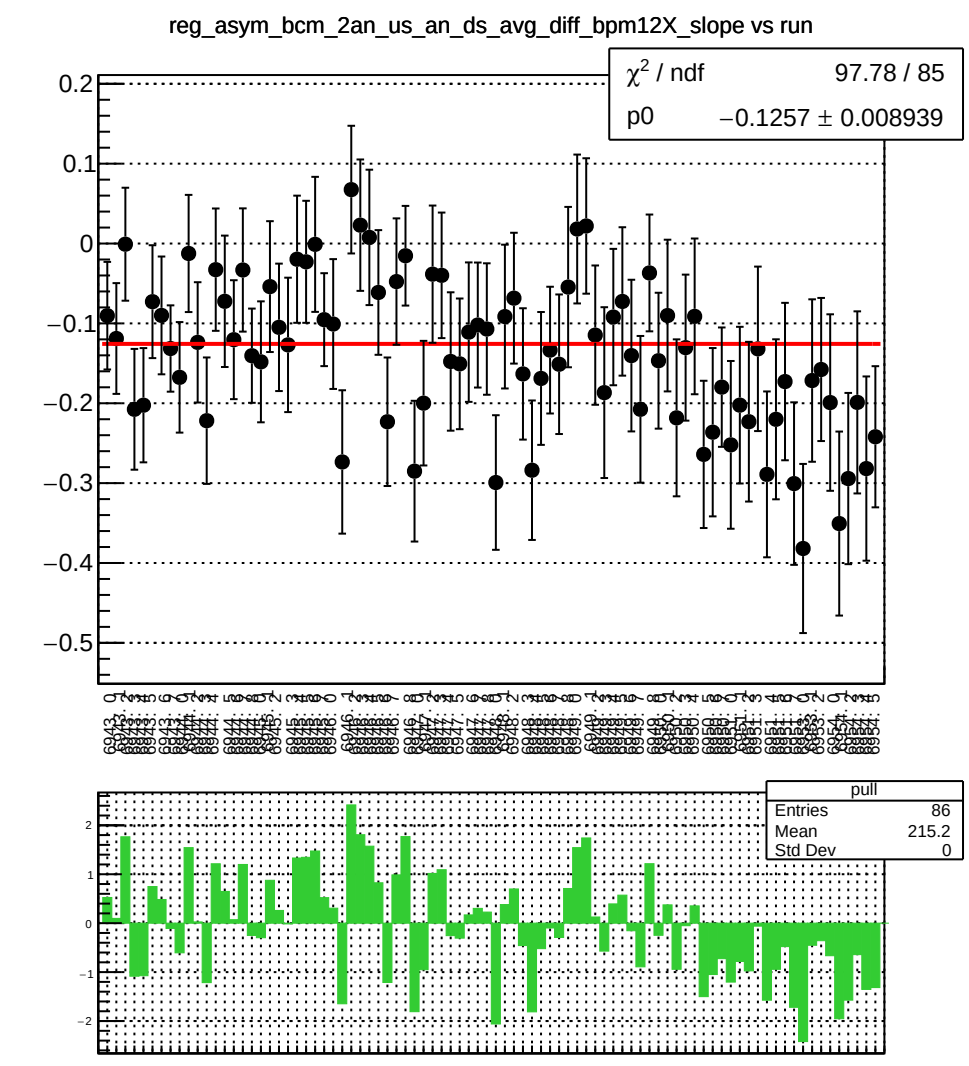

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 121.4 / 85
p0 2.871 ± 0.2012
pull
Entries 86
Mean 332.6
Std Dev 0
pull1D
Entries 86
Mean 0.04661
Std Dev 1.187

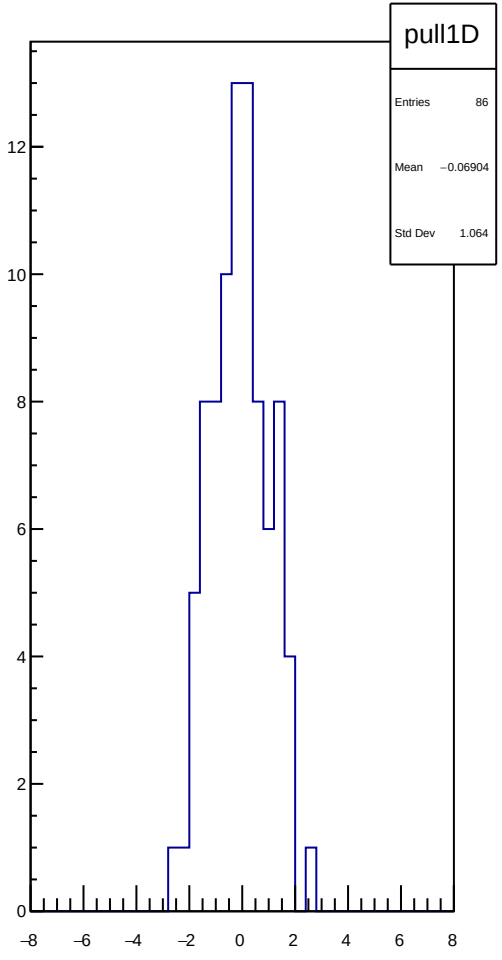

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 102.4 / 85
p0 −0.1542 ± 0.2673
pull
Entries 86
Mean −30.91
Std Dev 0

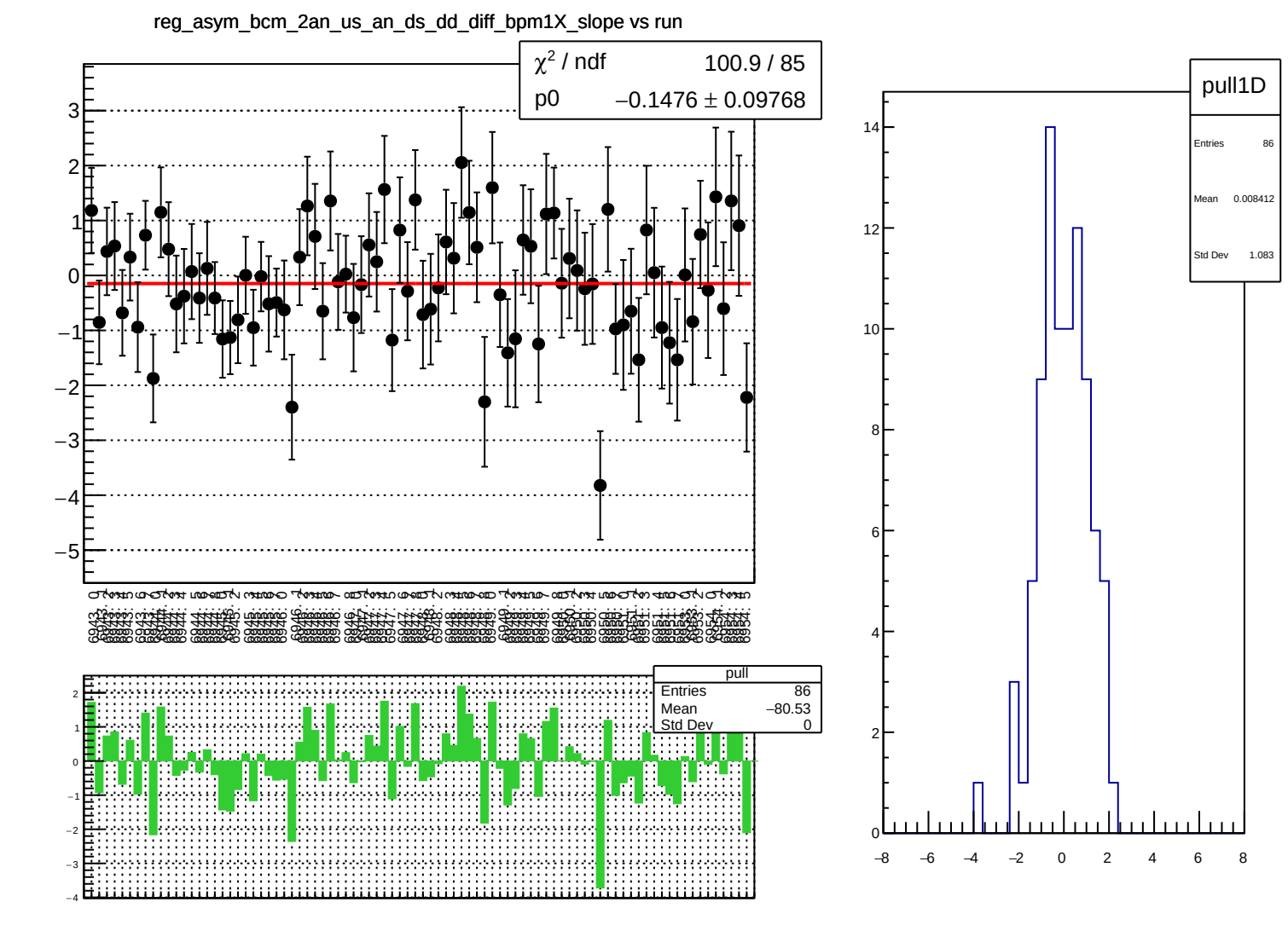

pull1D
Entries 86
Mean −0.008936
Std Dev 1.091

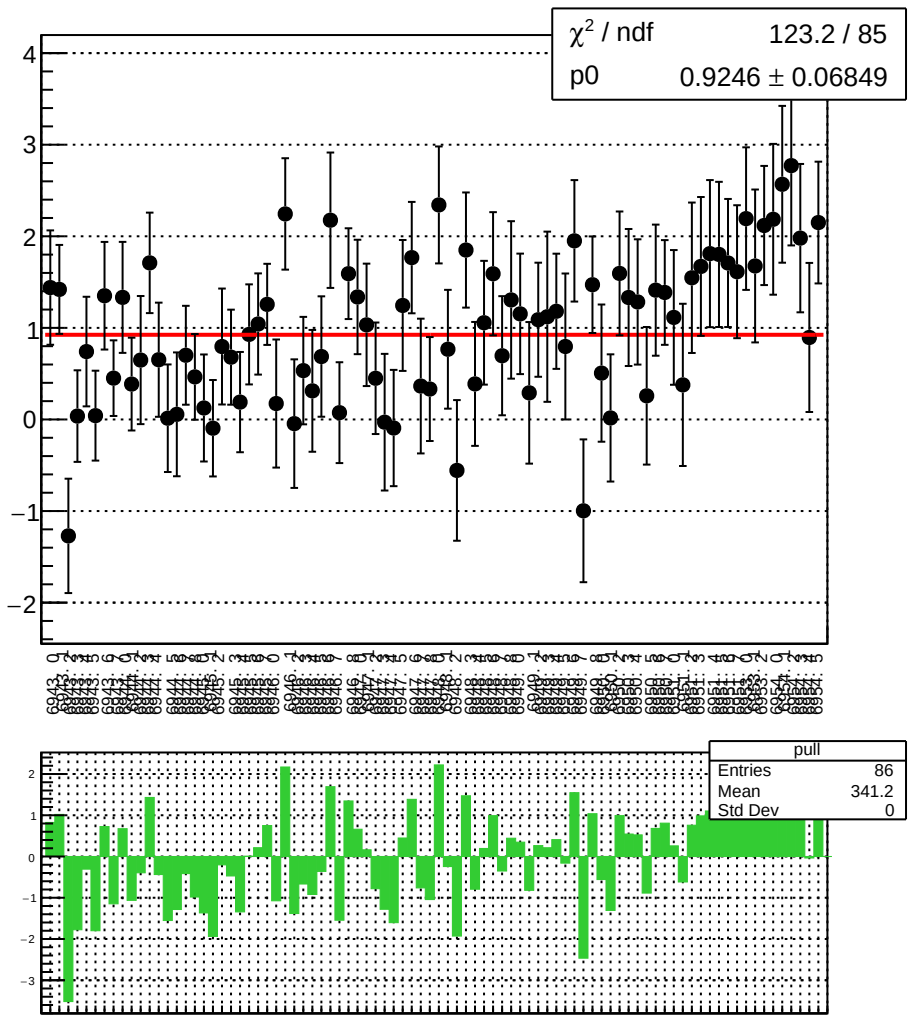

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 140.3 / 85
p0 −3.504 ± 0.2304
pull
Entries 86
Mean 273
Std Dev 0

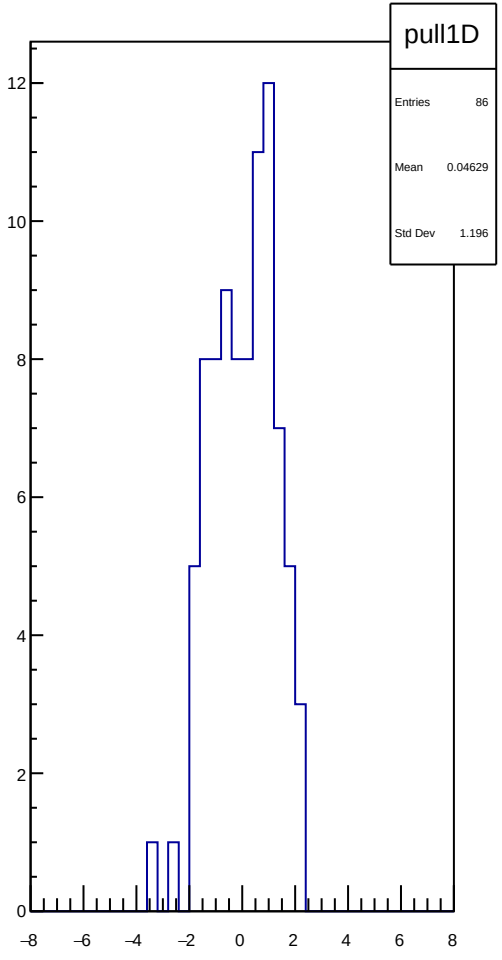

pull1D
Entries 86
Mean −0.0664
Std Dev 1.276

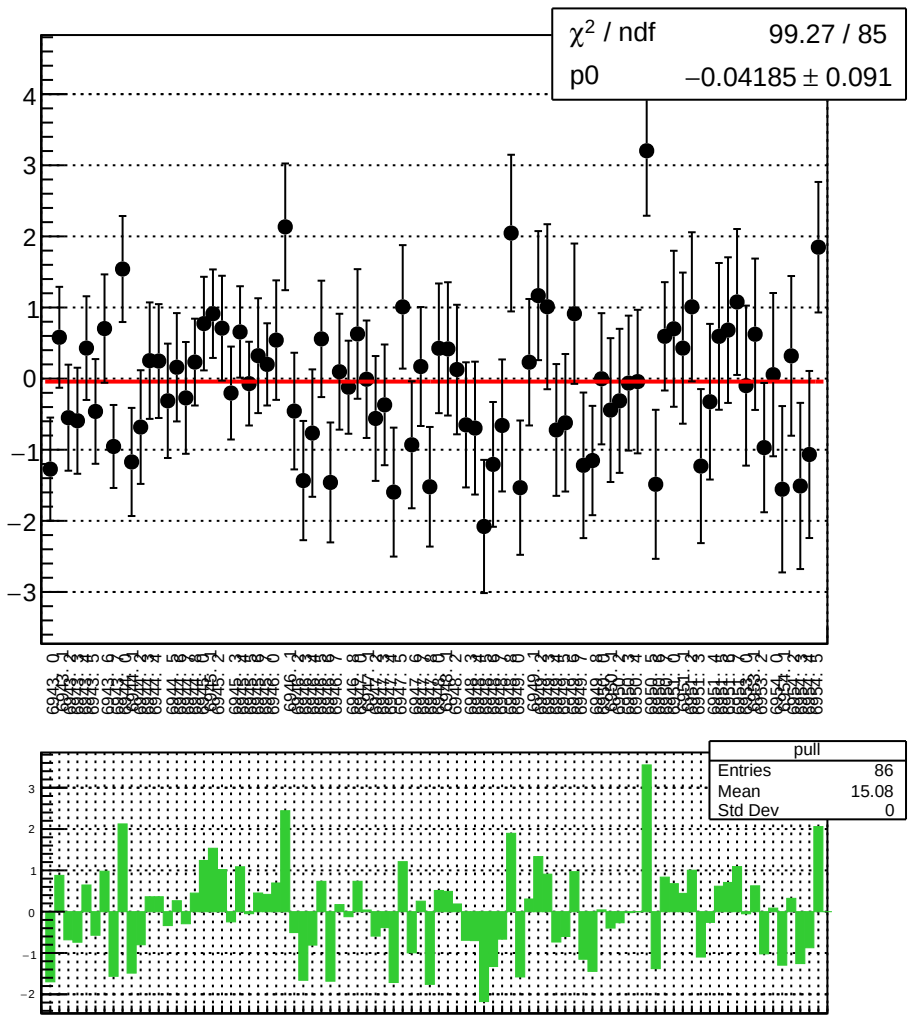

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 97.78 / 85
p0 −0.1257 ± 0.008939
pull
Entries 86
Mean 215.2
Std Dev 0

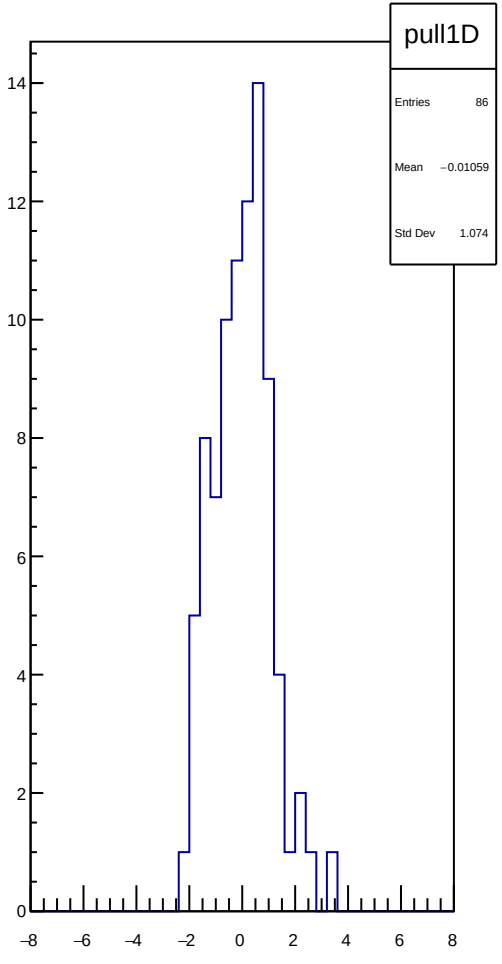

pull1D
Entries 86
Mean −0.06904
Std Dev 1.064

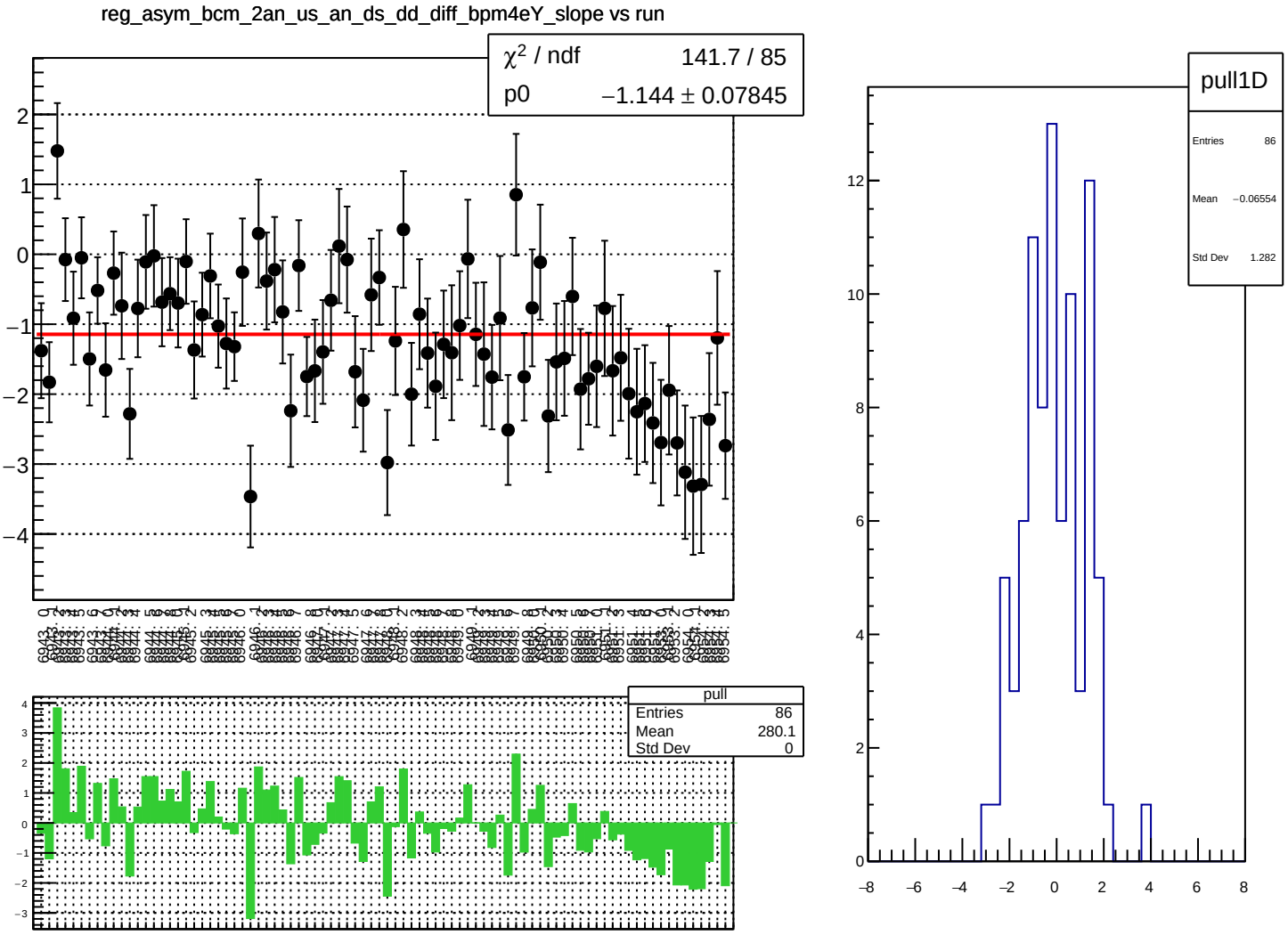

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 100.9 / 85
p0 −0.1476 ± 0.09768
pull
Entries 86
Mean −80.53
Std Dev 0
pull1D
Entries 86
Mean 0.008412
Std Dev 1.083

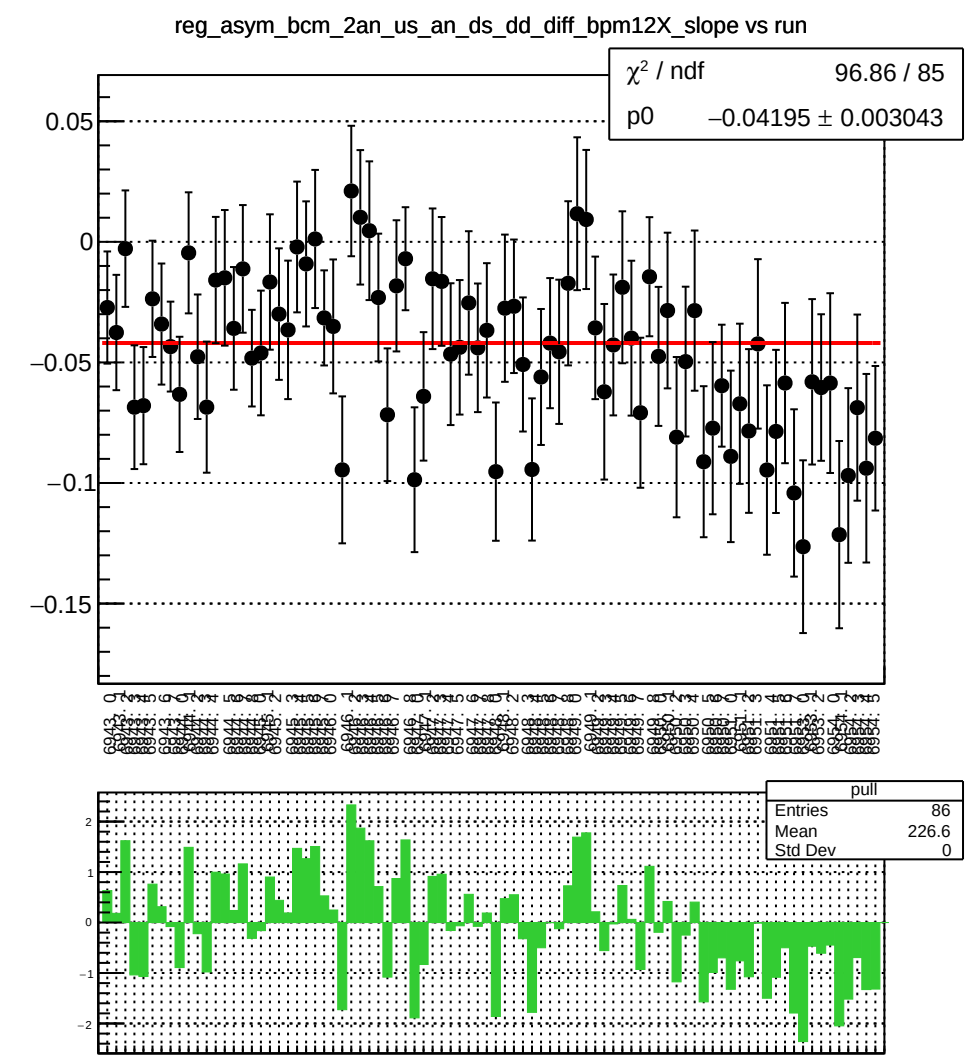

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 123.2 / 85
p0 0.9246 ± 0.06849
pull
Entries 86
Mean 341.2
Std Dev 0

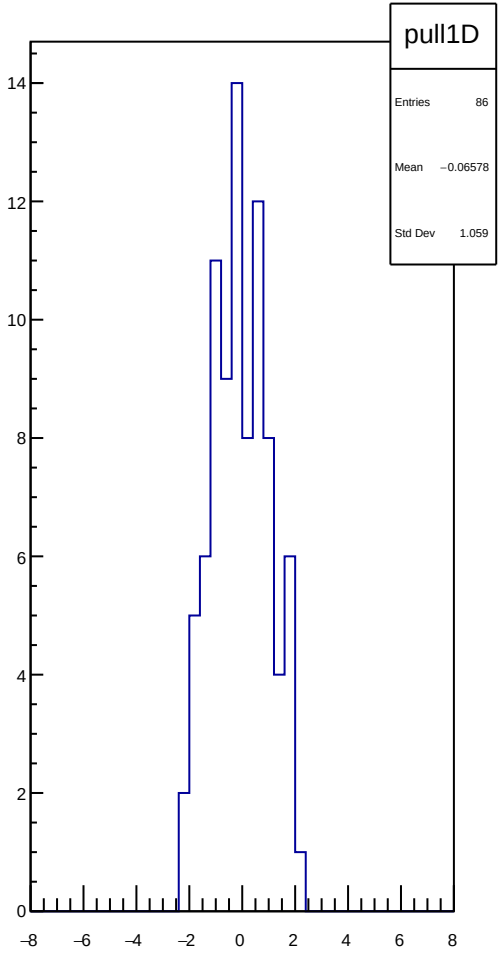

pull1D
Entries 86
Mean 0.04629
Std Dev 1.196

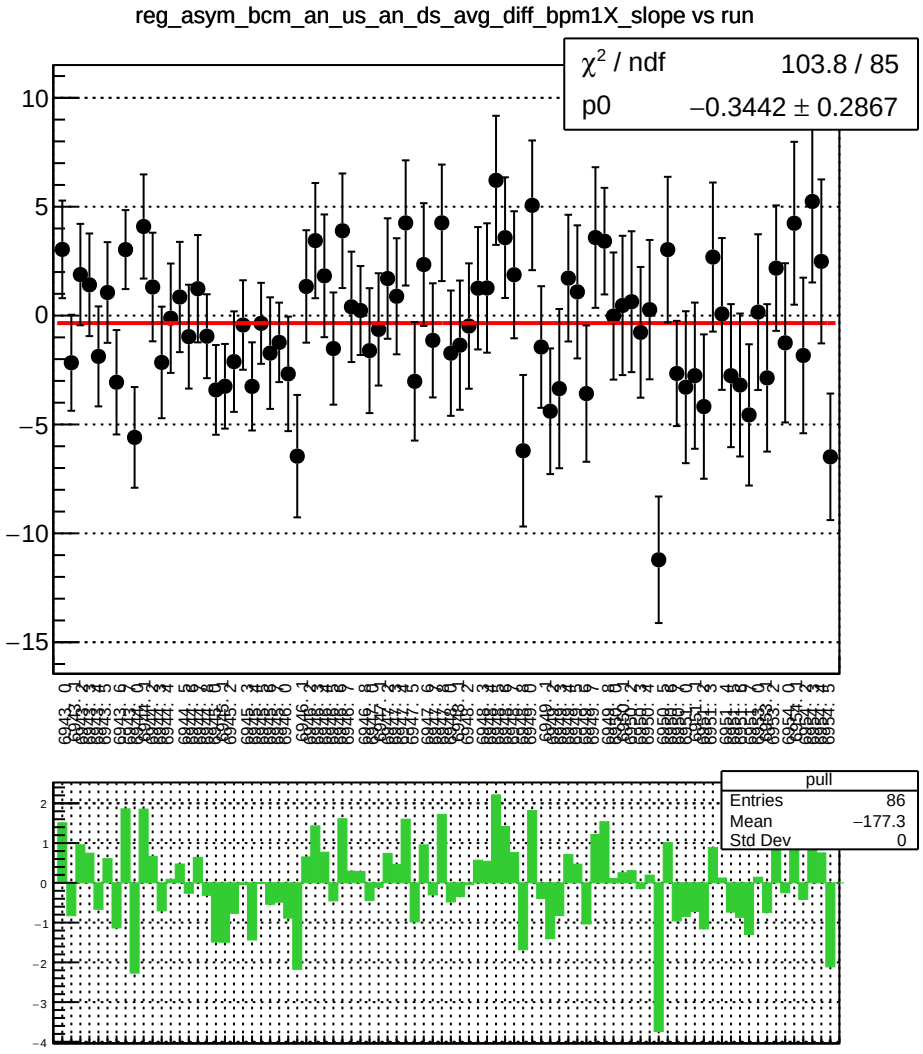

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.27 / 85
p0 −0.04185 ± 0.091
pull
Entries 86
Mean 15.08
Std Dev 0

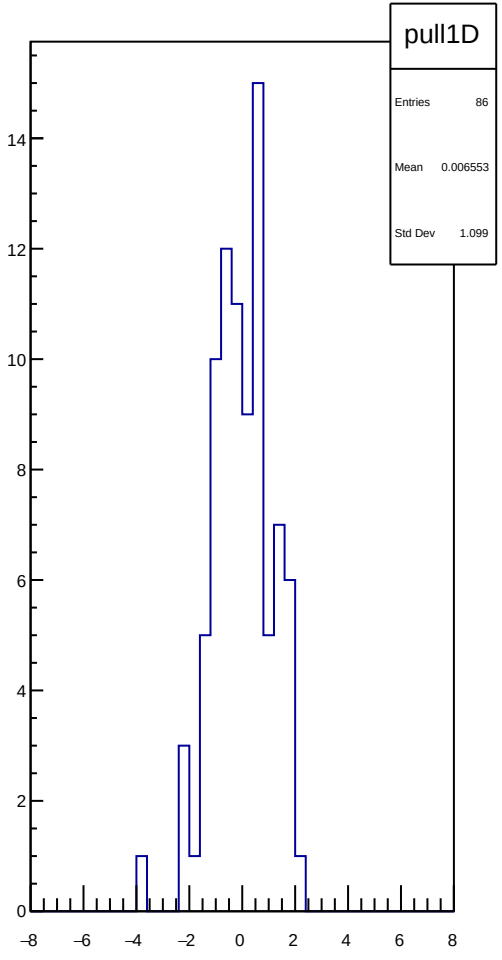

pull1D
Entries 86
Mean −0.01059
Std Dev 1.074

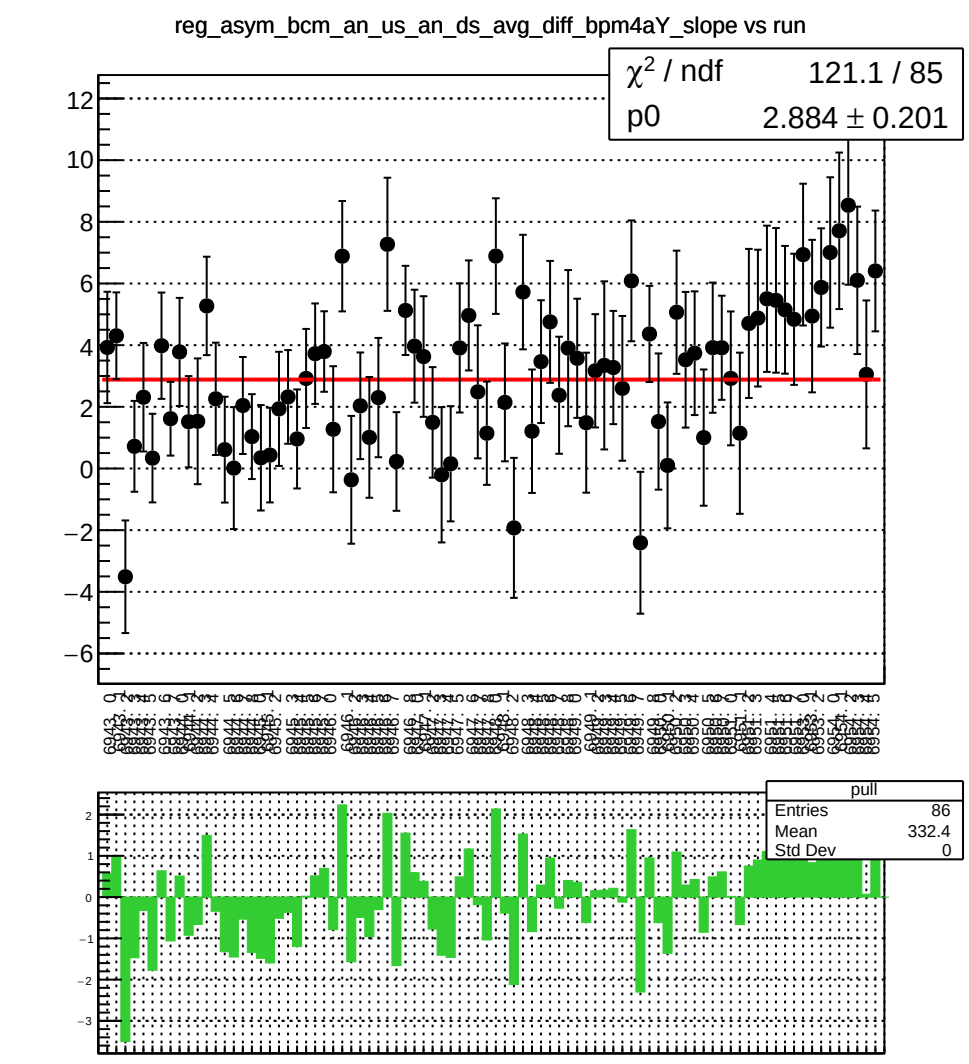

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 141.7 / 85
p0 −1.144 ± 0.07845
pull
Entries 86
Mean 280.1
Std Dev 0
pull1D
Entries 86
Mean −0.06554
Std Dev 1.282

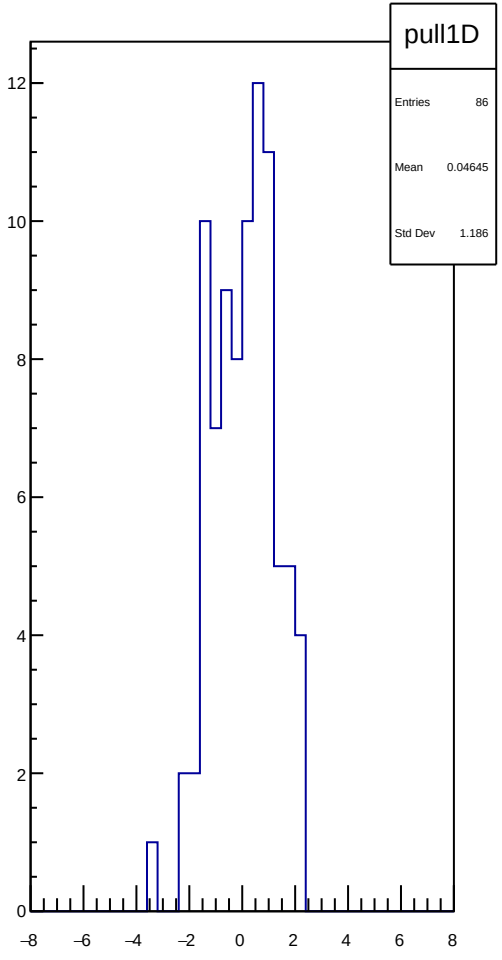

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 96.86 / 85
p0 −0.04195 ± 0.003043
0.05
0
−0.05
−0.1
−0.15
pull
Entries 86
Mean 226.6
Std Dev 0
2
1
0
−1
−2

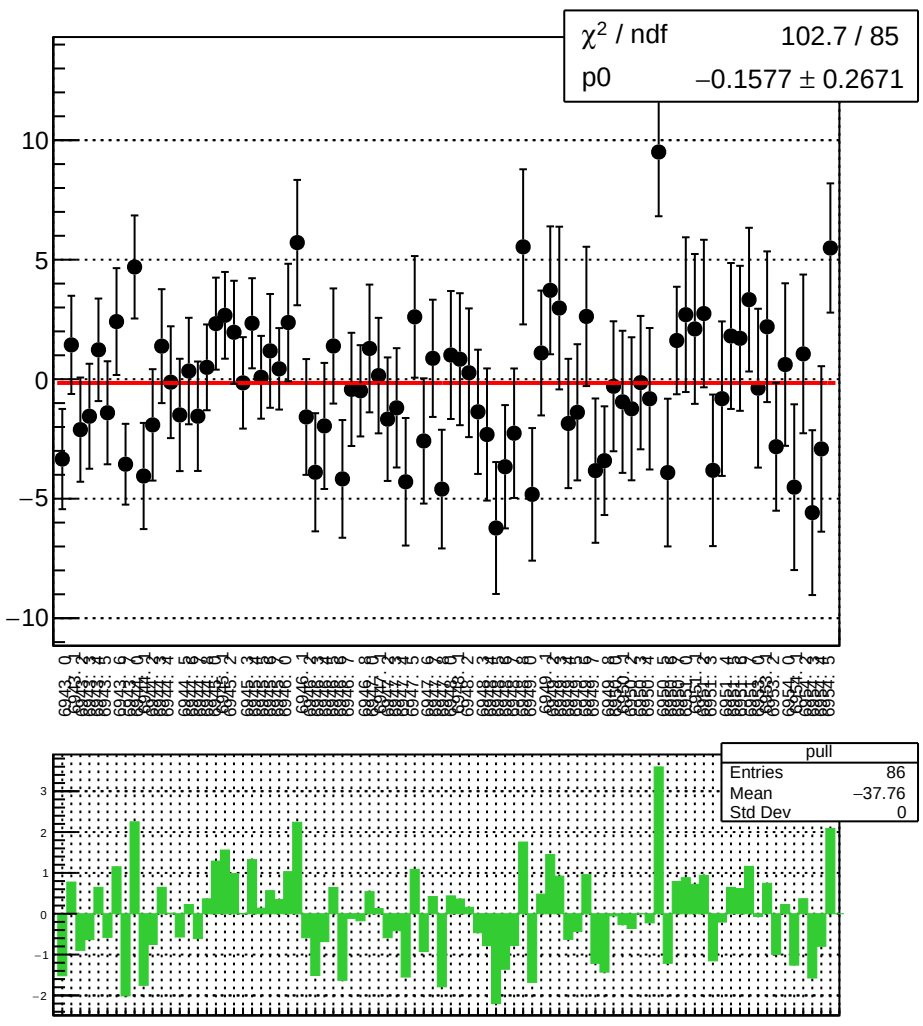

pull1D
Entries 86
Mean −0.06578
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

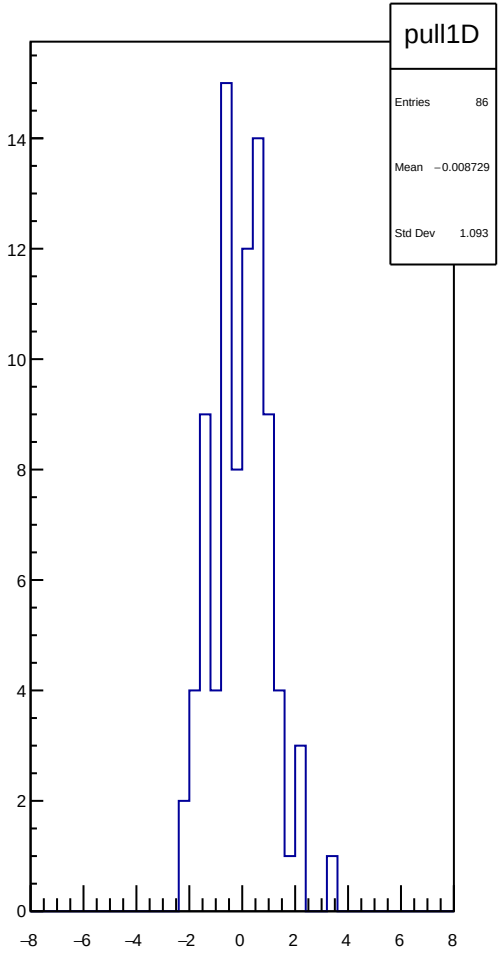

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 103.8 / 85
p0 −0.3442 ± 0.2867
pull
Entries 86
Mean −177.3
Std Dev 0

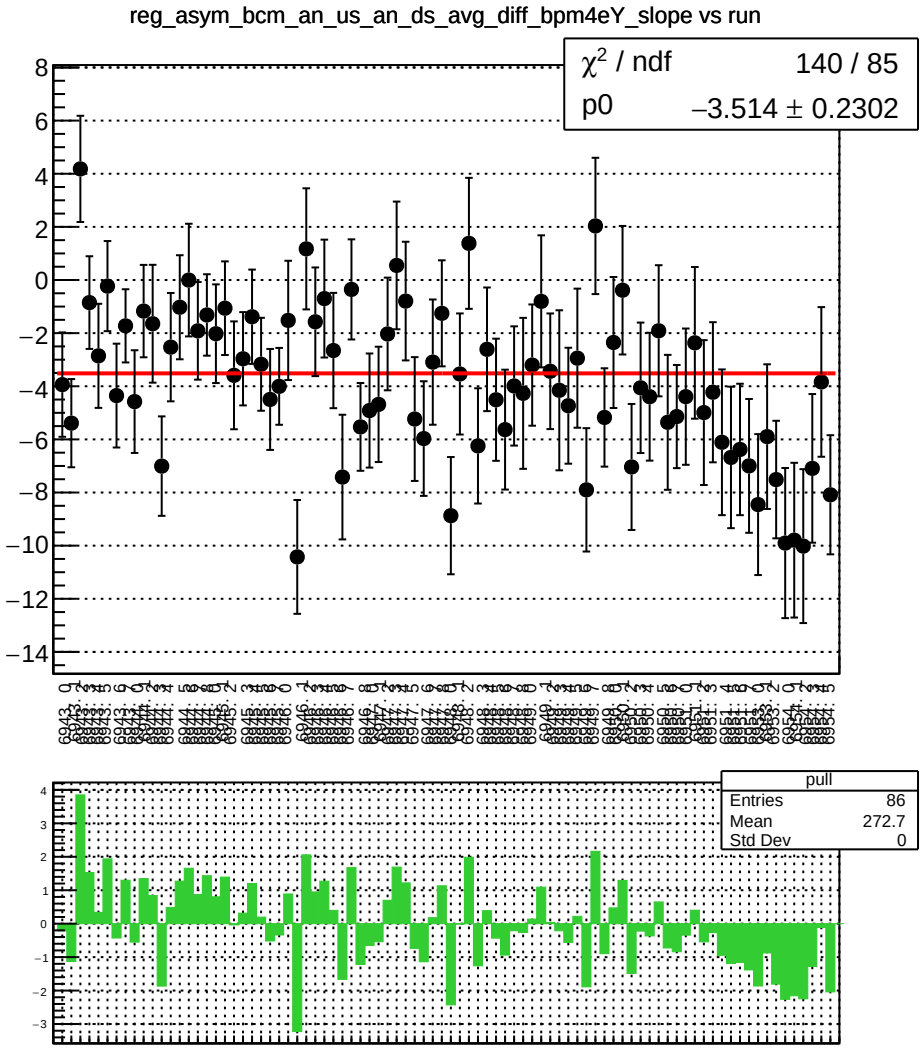

pull1D
Entries 86
Mean 0.006553
Std Dev 1.099

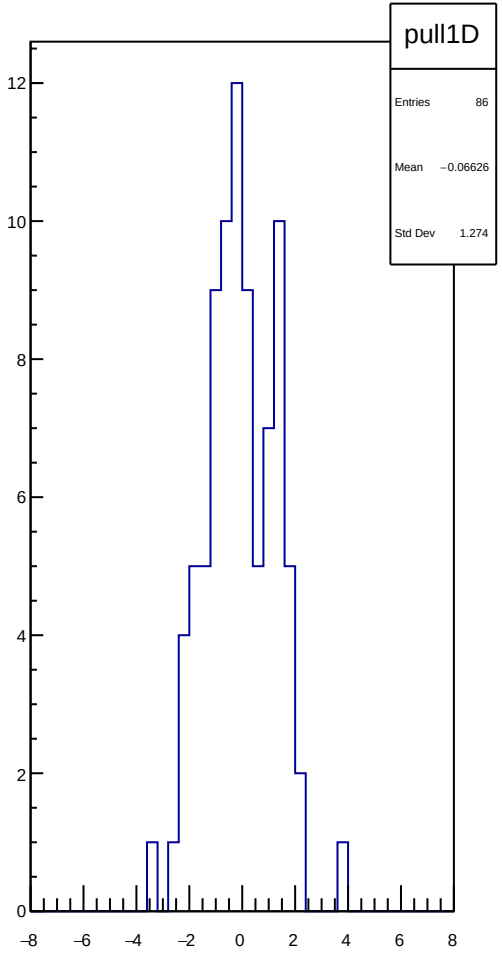

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 121.1 / 85
p0 2.884 ± 0.201
pull
Entries 86
Mean 332.4
Std Dev 0

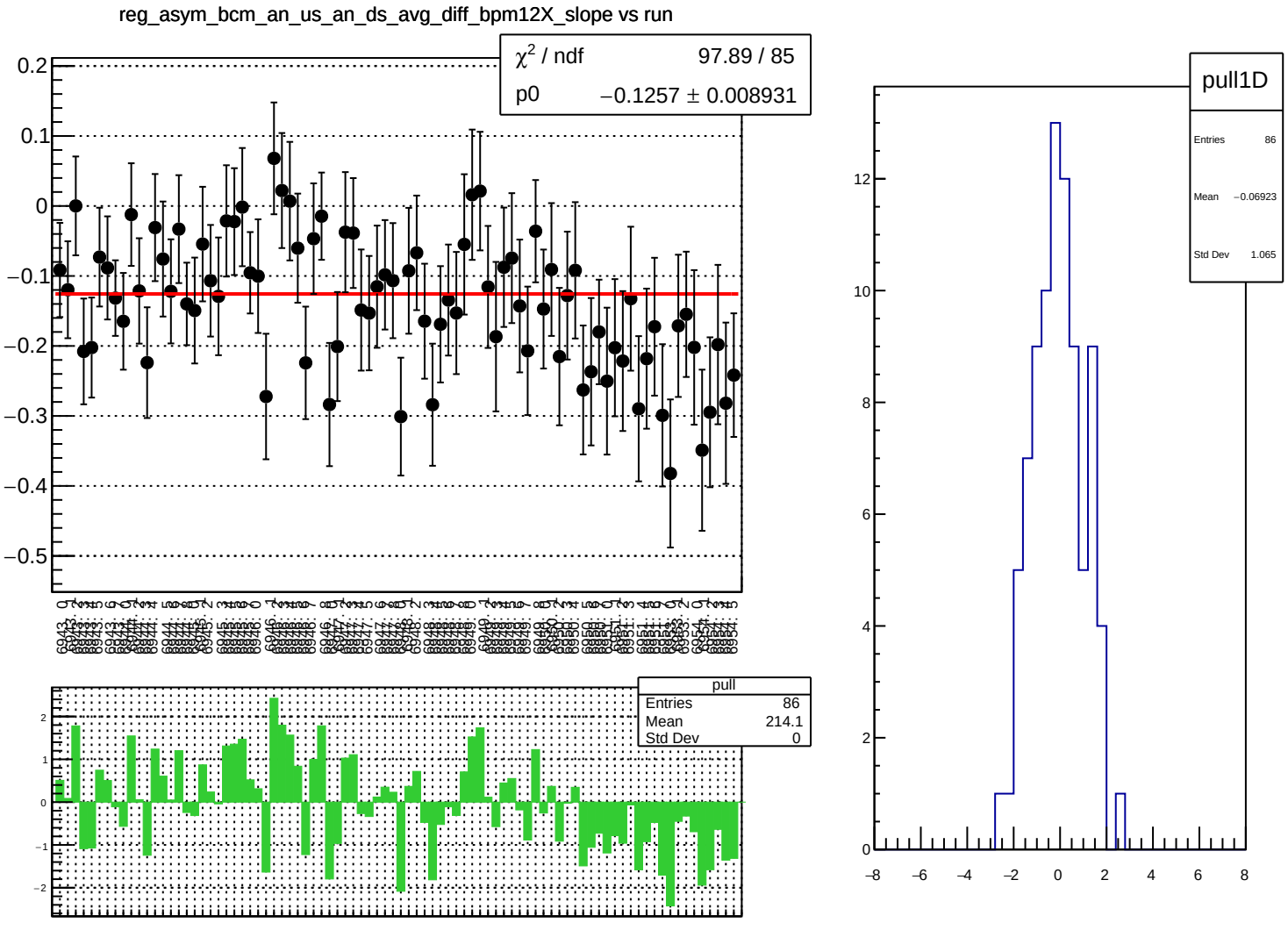

pull1D
Entries 86
Mean 0.04645
Std Dev 1.186

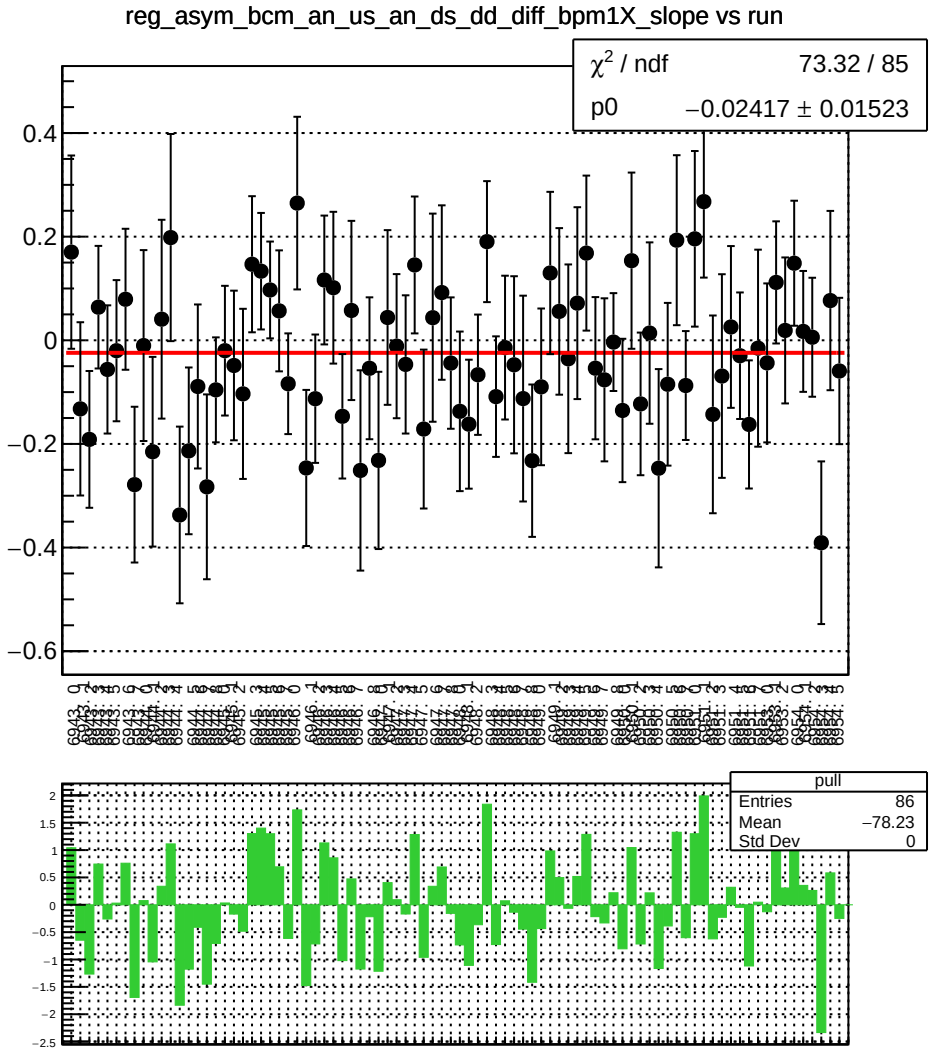

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 102.7 / 85
p0 −0.1577 ± 0.2671
pull
Entries 86
Mean −37.76
Std Dev 0

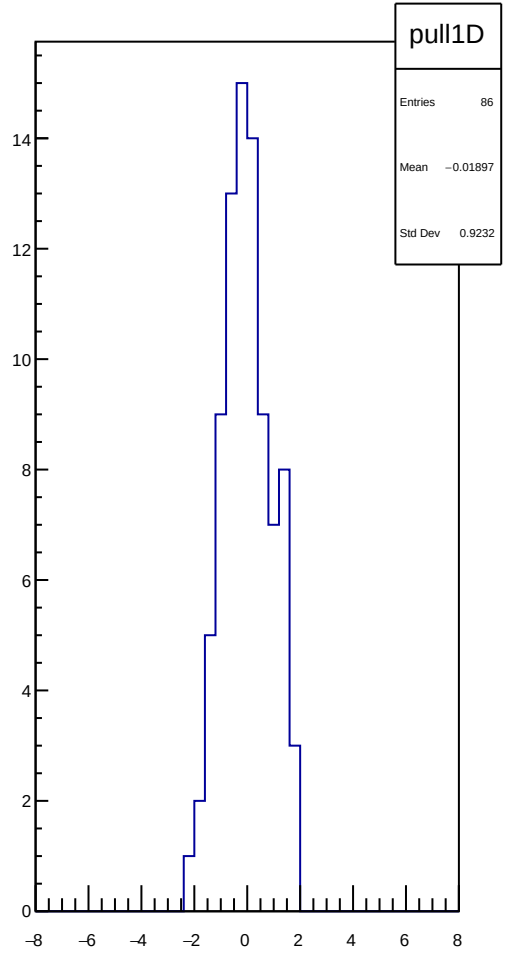

pull1D
Entries 86
Mean −0.008729
Std Dev 1.093

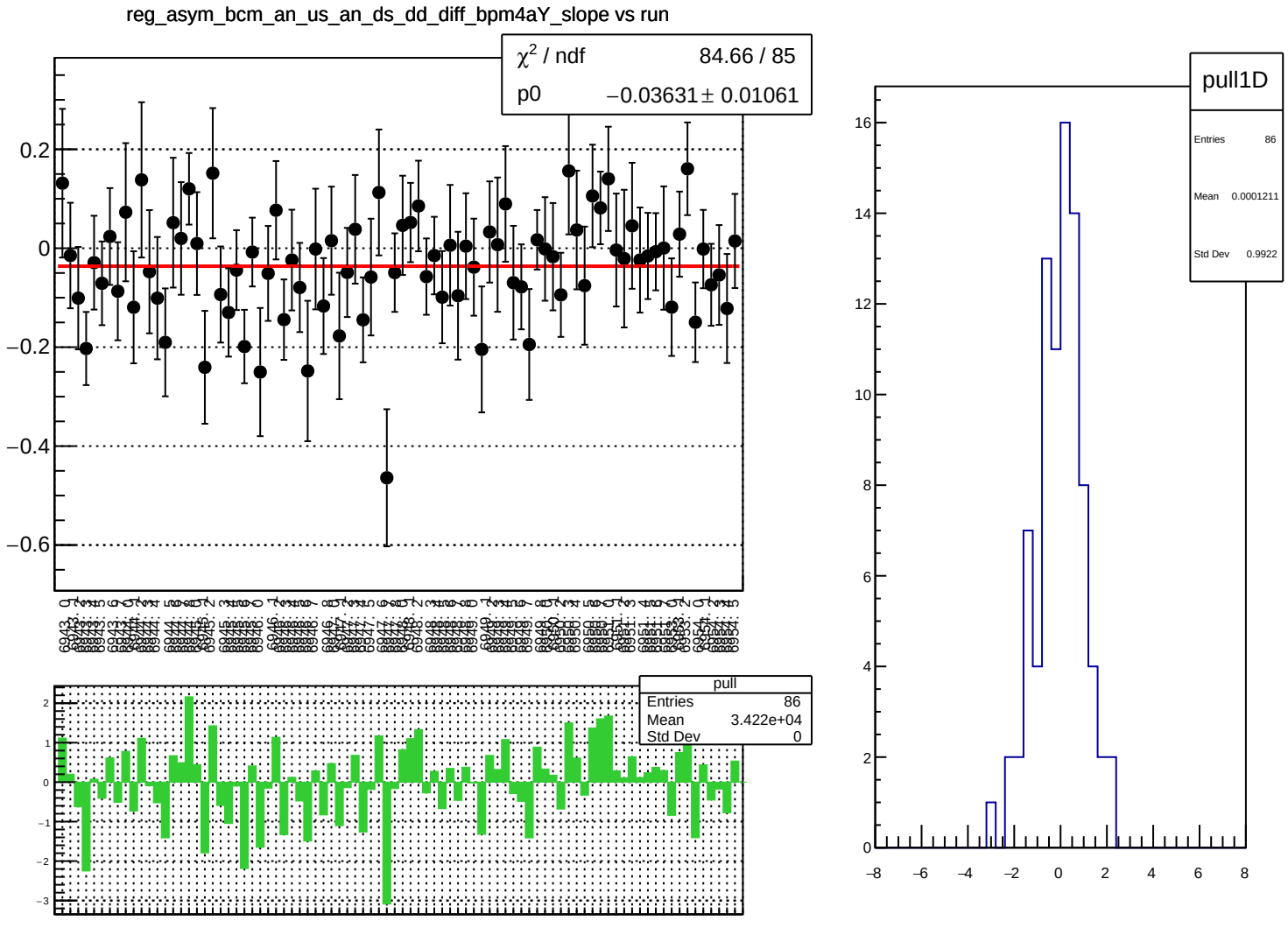

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 140 / 85
p0 −3.514 ± 0.2302
pull
Entries 86
Mean 272.7
Std Dev 0

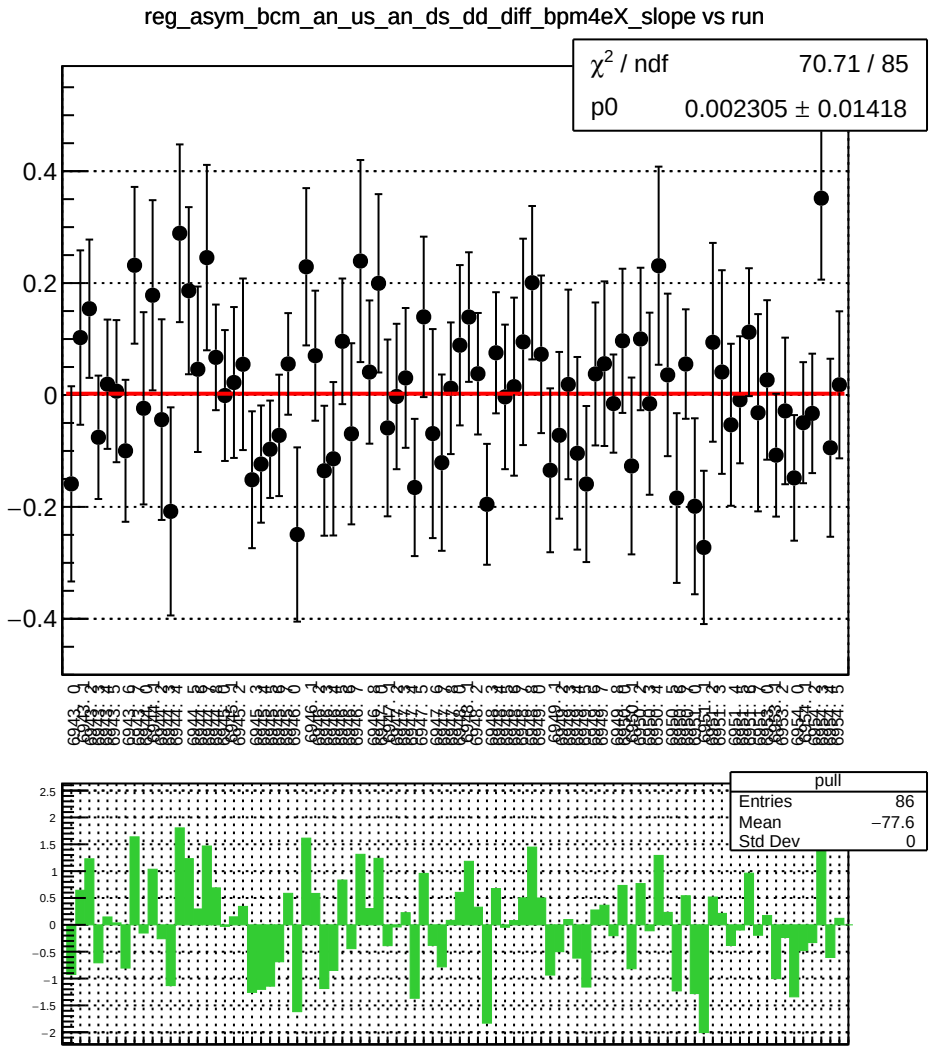

pull1D
Entries 86
Mean −0.06626
Std Dev 1.274

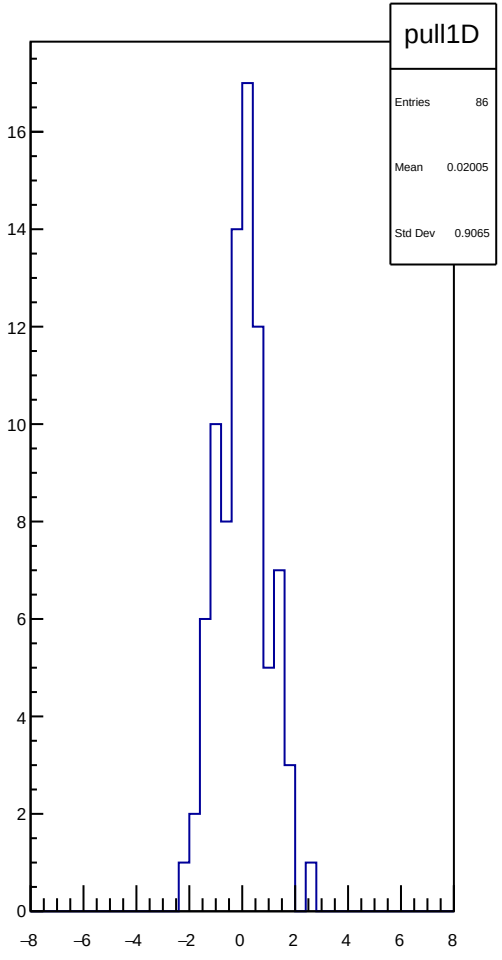

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 97.89 / 85
p0 −0.1257 ± 0.008931
pull
Entries 86
Mean 214.1
Std Dev 0
pull1D
Entries 86
Mean −0.06923
Std Dev 1.065

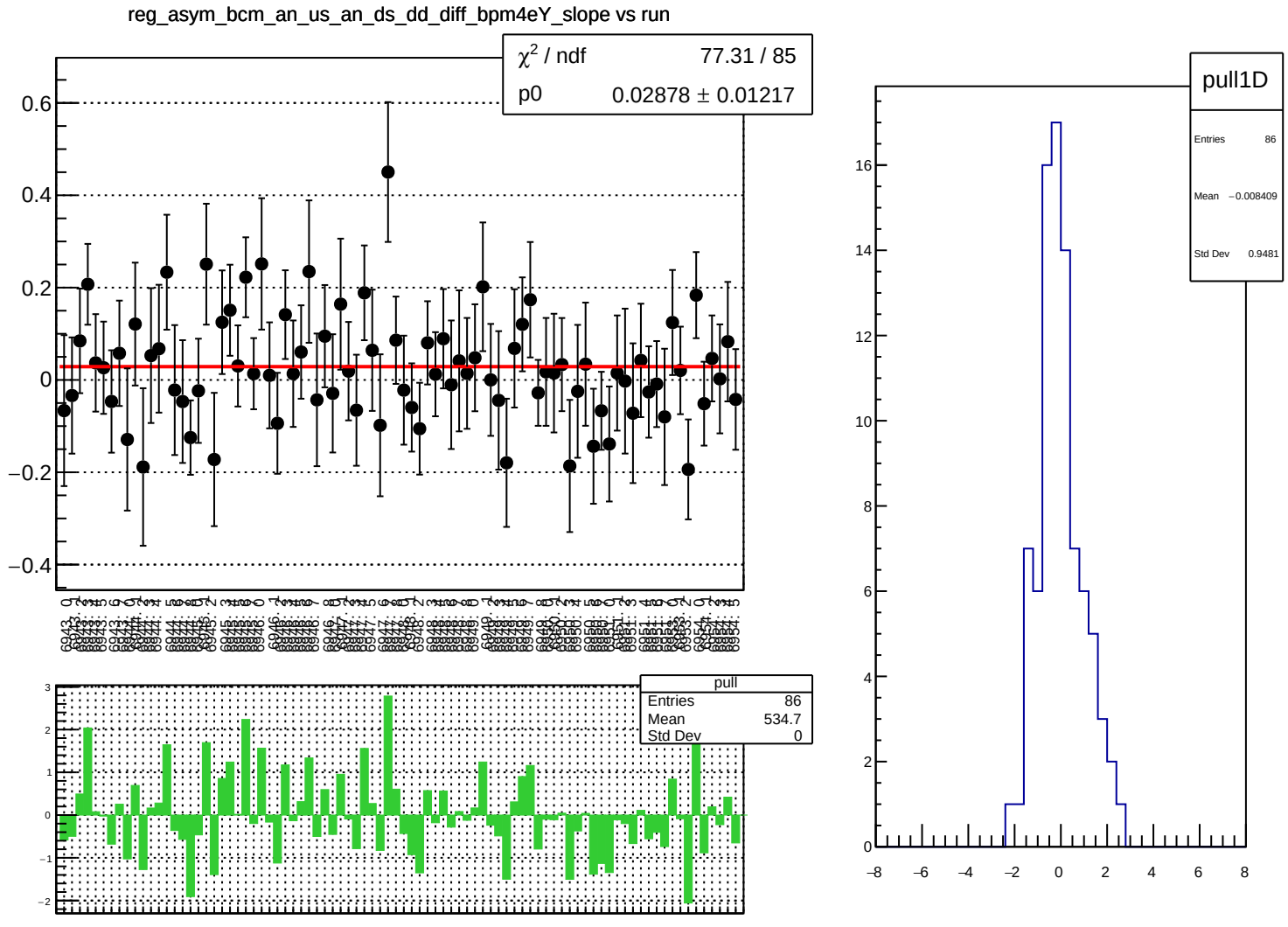

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 73.32 / 85
p0 −0.02417 ± 0.01523
pull
Entries 86
Mean −78.23
Std Dev 0

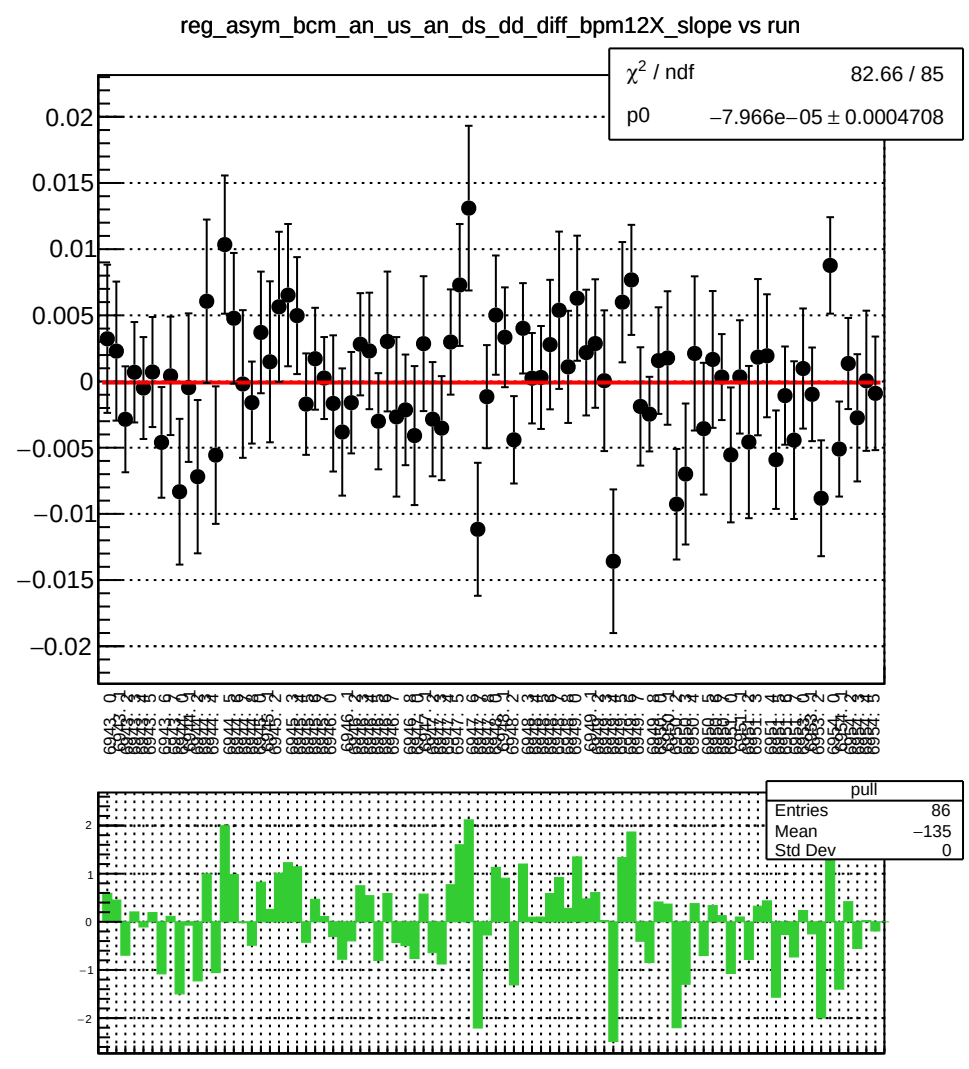

pull1D
Entries 86
Mean −0.01897
Std Dev 0.9232

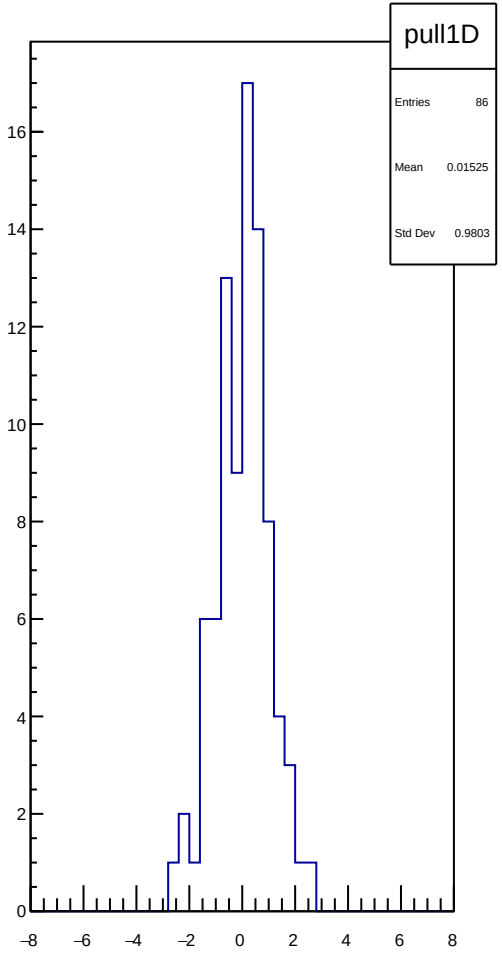

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.66 / 85
p0 −0.03631 ± 0.01061
pull
Entries 86
Mean 3.422e+04
Std Dev 0
pull1D
Entries 86
Mean 0.0001211
Std Dev 0.9922

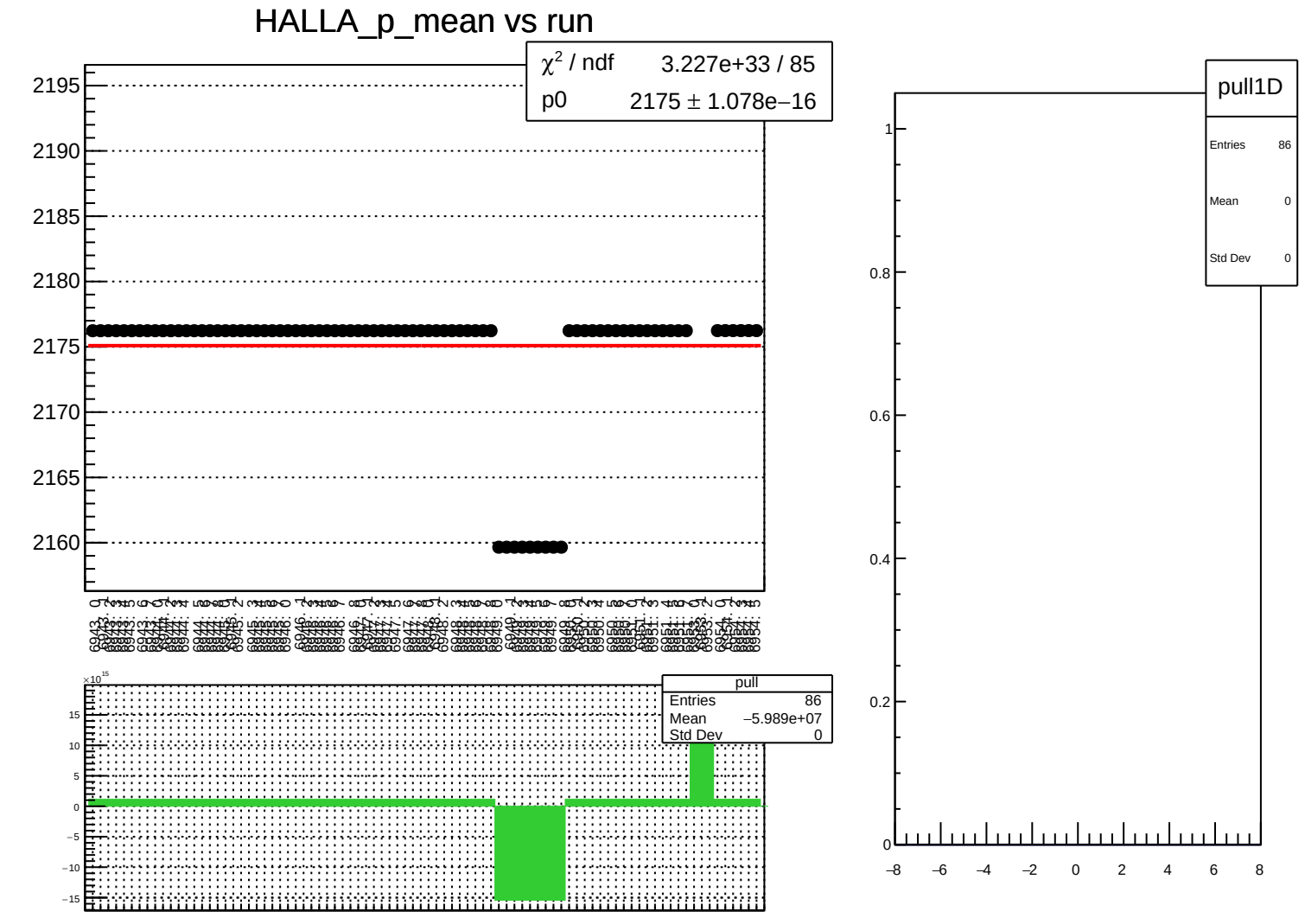

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.71 / 85
p0 0.002305 ± 0.01418
pull
Entries 86
Mean −77.6
Std Dev 0

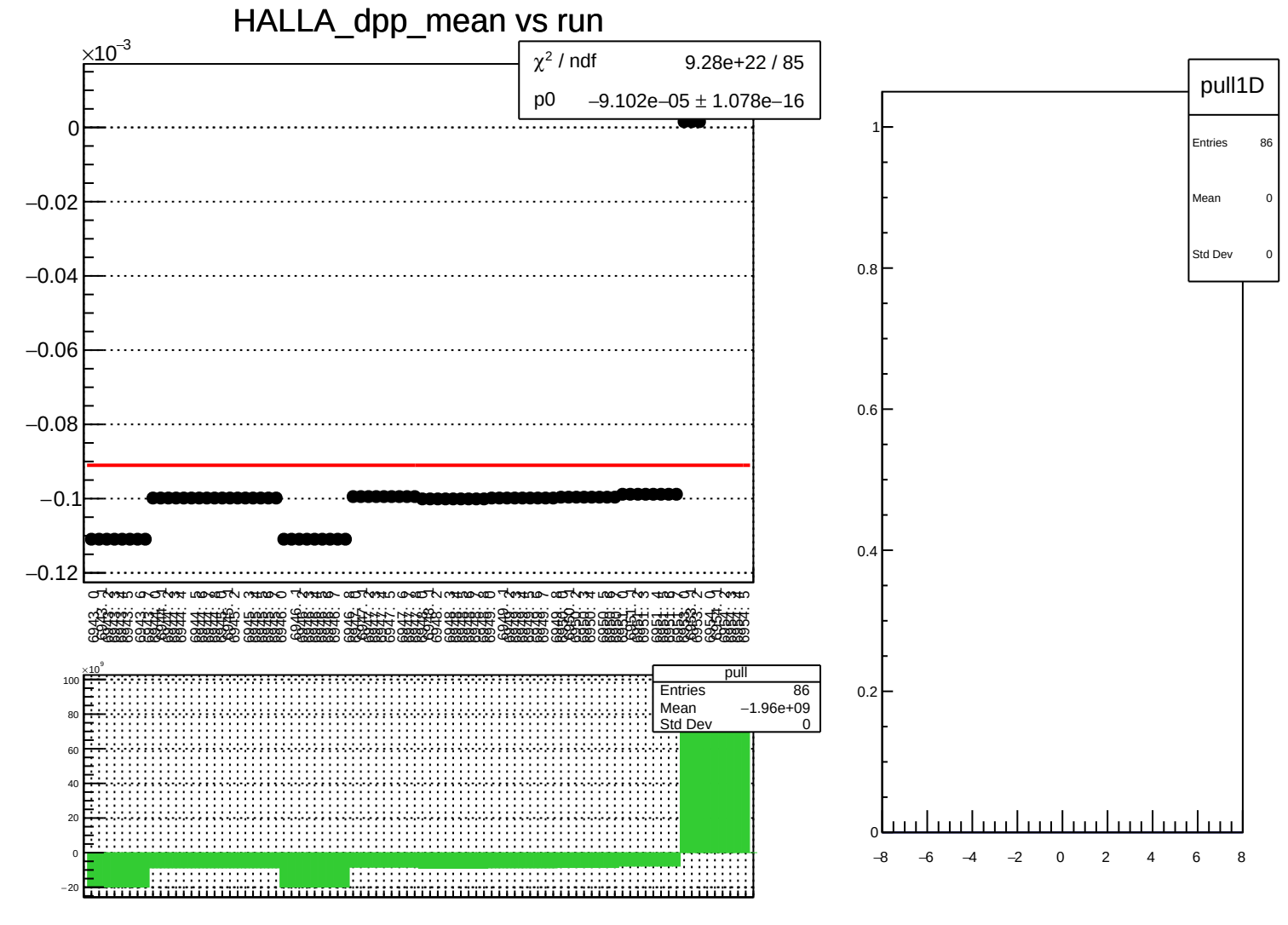

pull1D
Entries 86
Mean 0.02005
Std Dev 0.9065

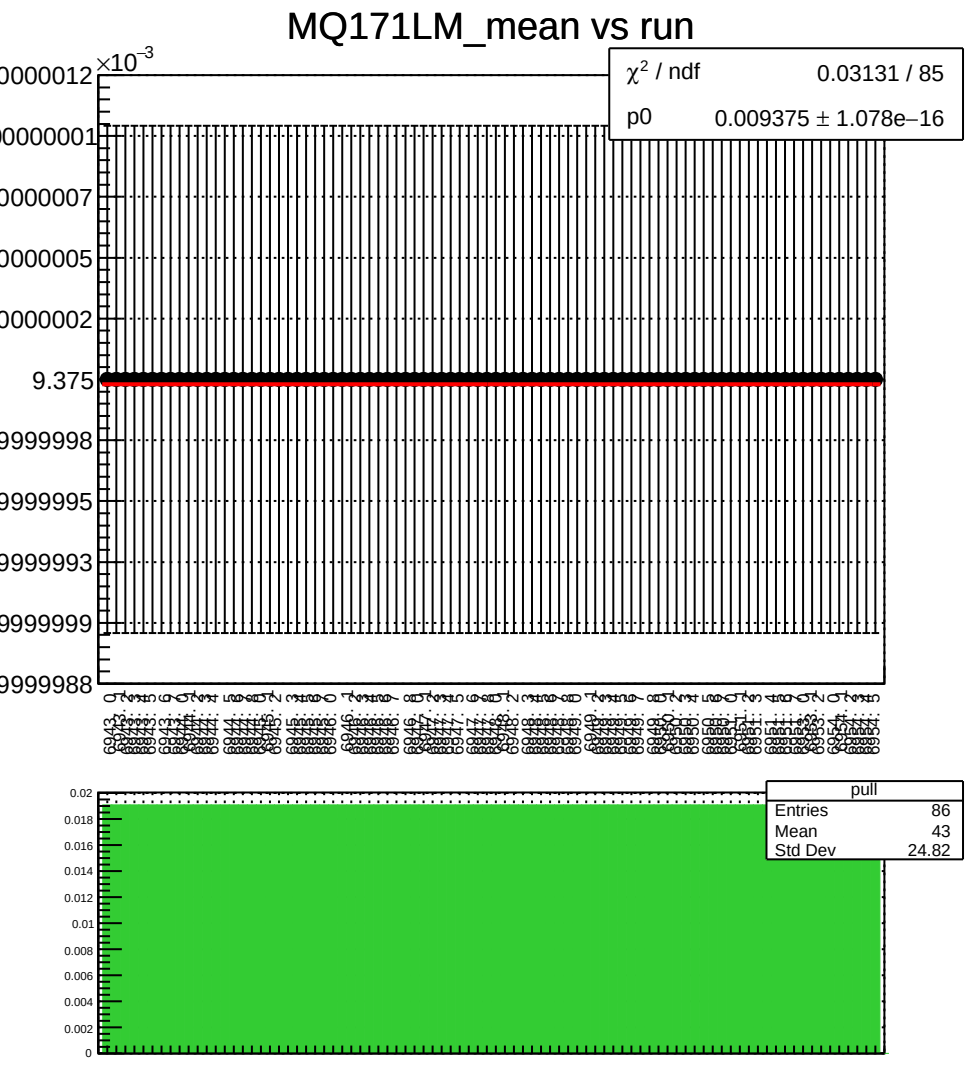

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.31 / 85
p0 0.02878 ± 0.01217
pull
Entries 86
Mean 534.7
Std Dev 0
pull1D
Entries 86
Mean −0.008409
Std Dev 0.9481

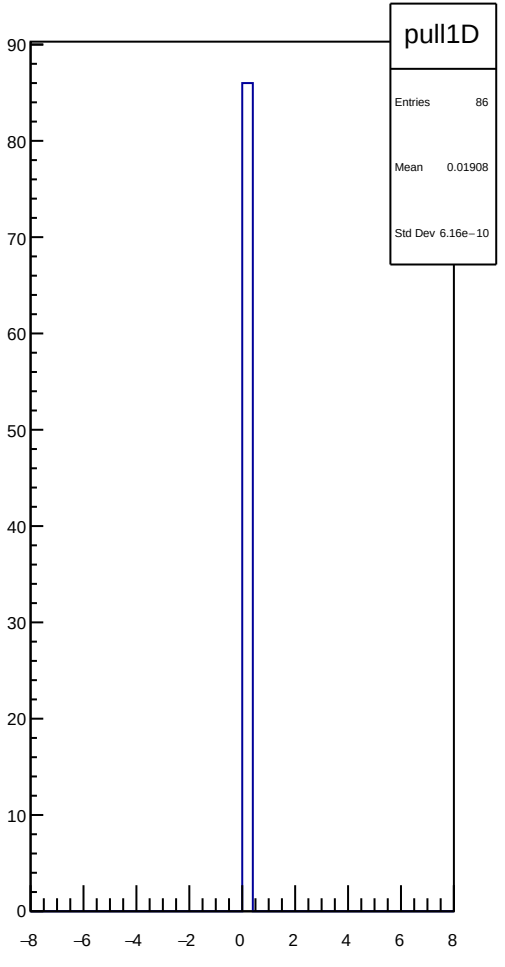

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 82.66 / 85
p0 −7.966e−05 ± 0.0004708
pull
Entries 86
Mean −135
Std Dev 0

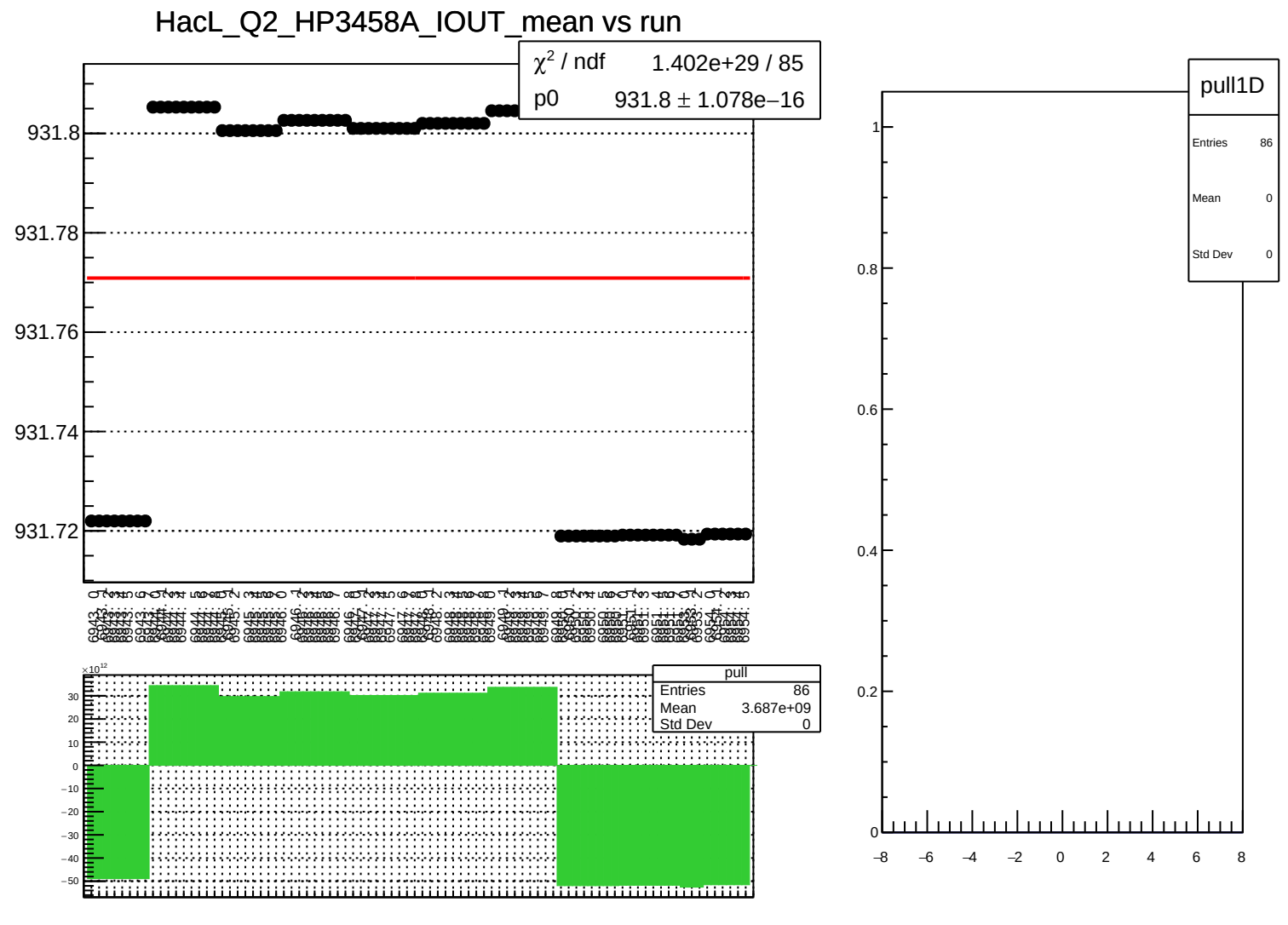

pull1D
Entries 86
Mean 0.01525
Std Dev 0.9803

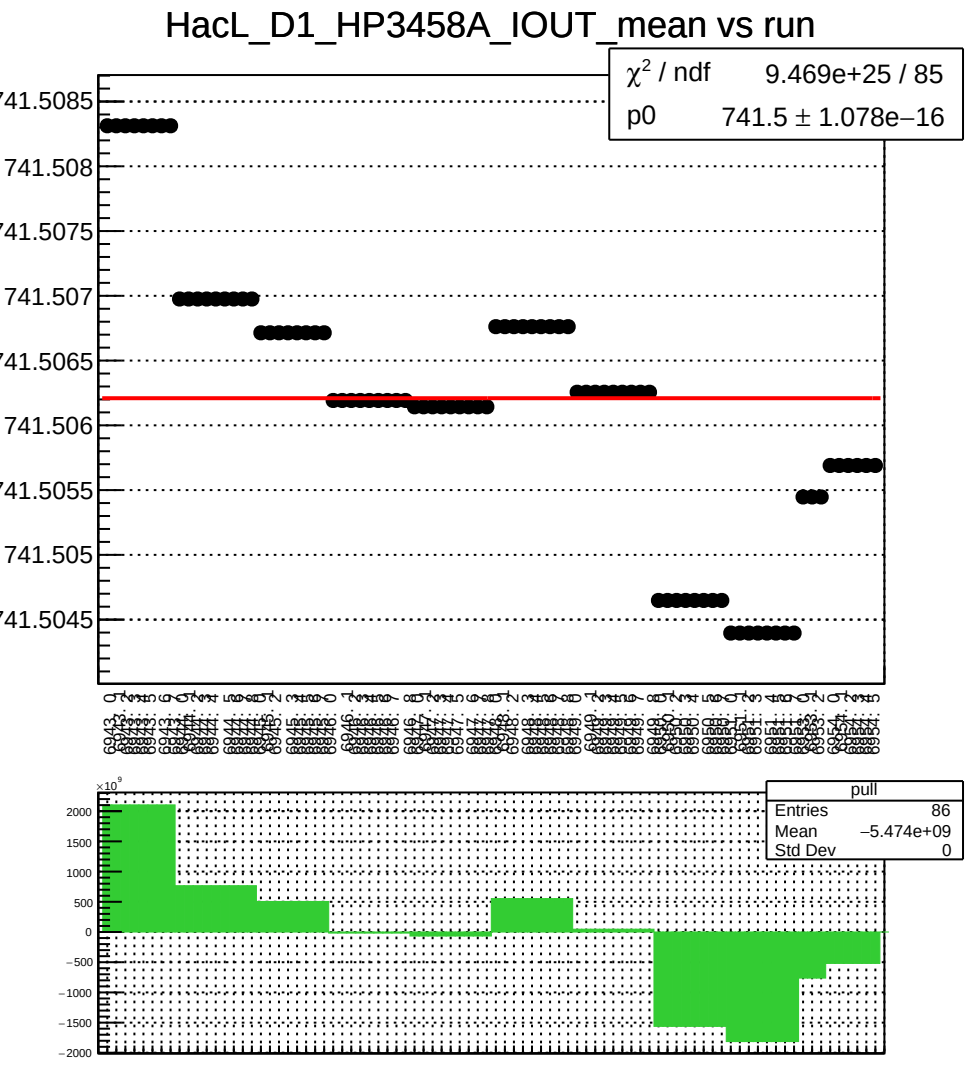

HALLA_p_mean vs run
χ² / ndf 3.227e+33 / 85
p0 2175 ± 1.078e−16
2195
2190
2185
2180
2175
2170
2165
2160
pull
Entries 86
Mean −5.989e+07
Std Dev 0
×10¹⁵
15
10
5
0
−5
−10
−15
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

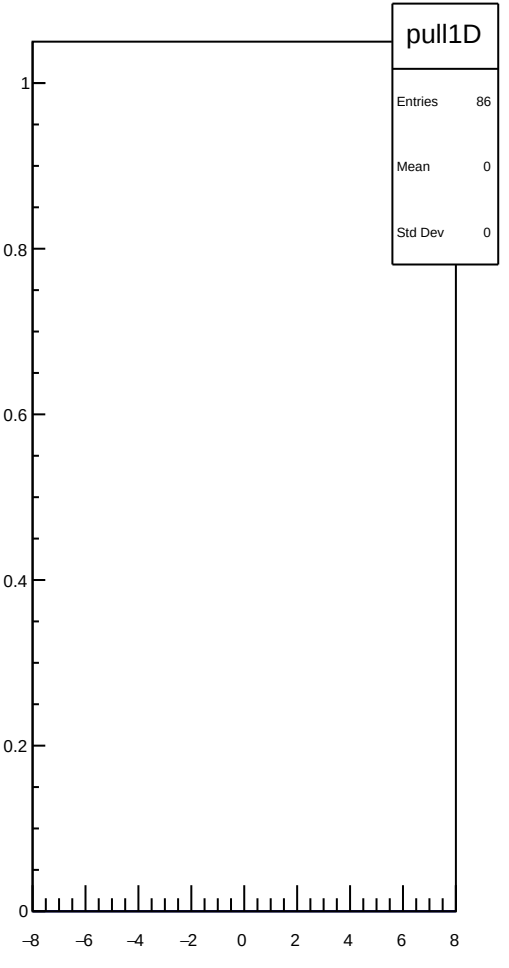

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 9.28e+22 / 85
p0 −9.102e−05 ± 1.078e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
×10⁹
100
80
60
40
20
0
−20
pull
Entries 86
Mean −1.96e+09
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

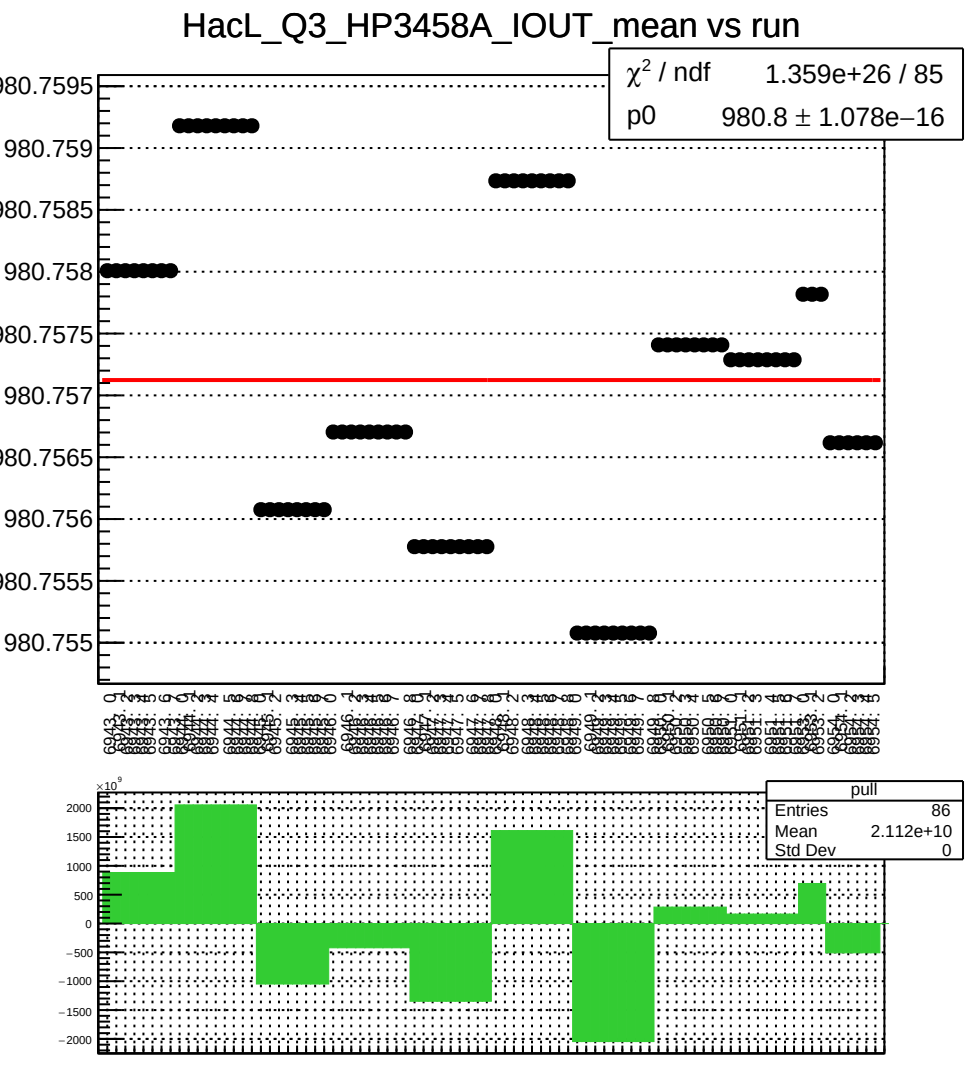

MQ171LM_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
pull
Entries 86
Mean 43
Std Dev 24.82

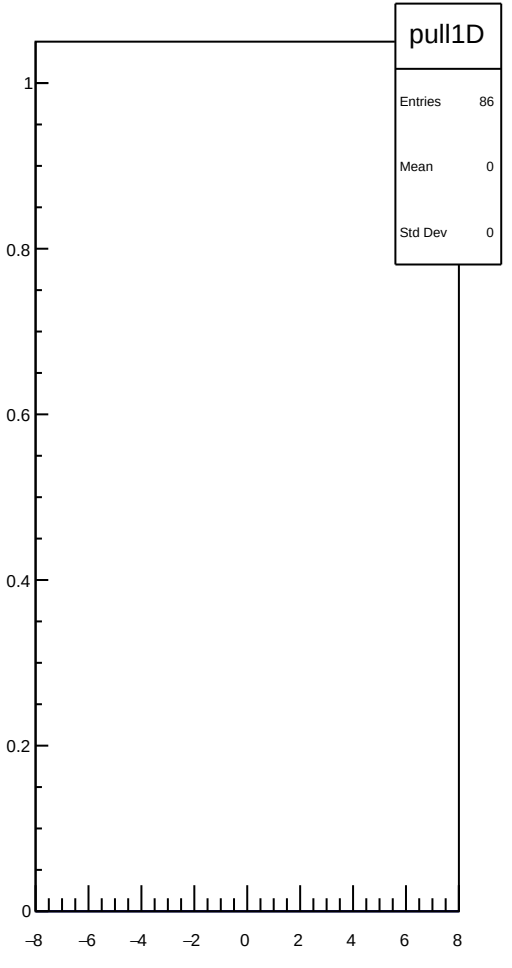

pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10

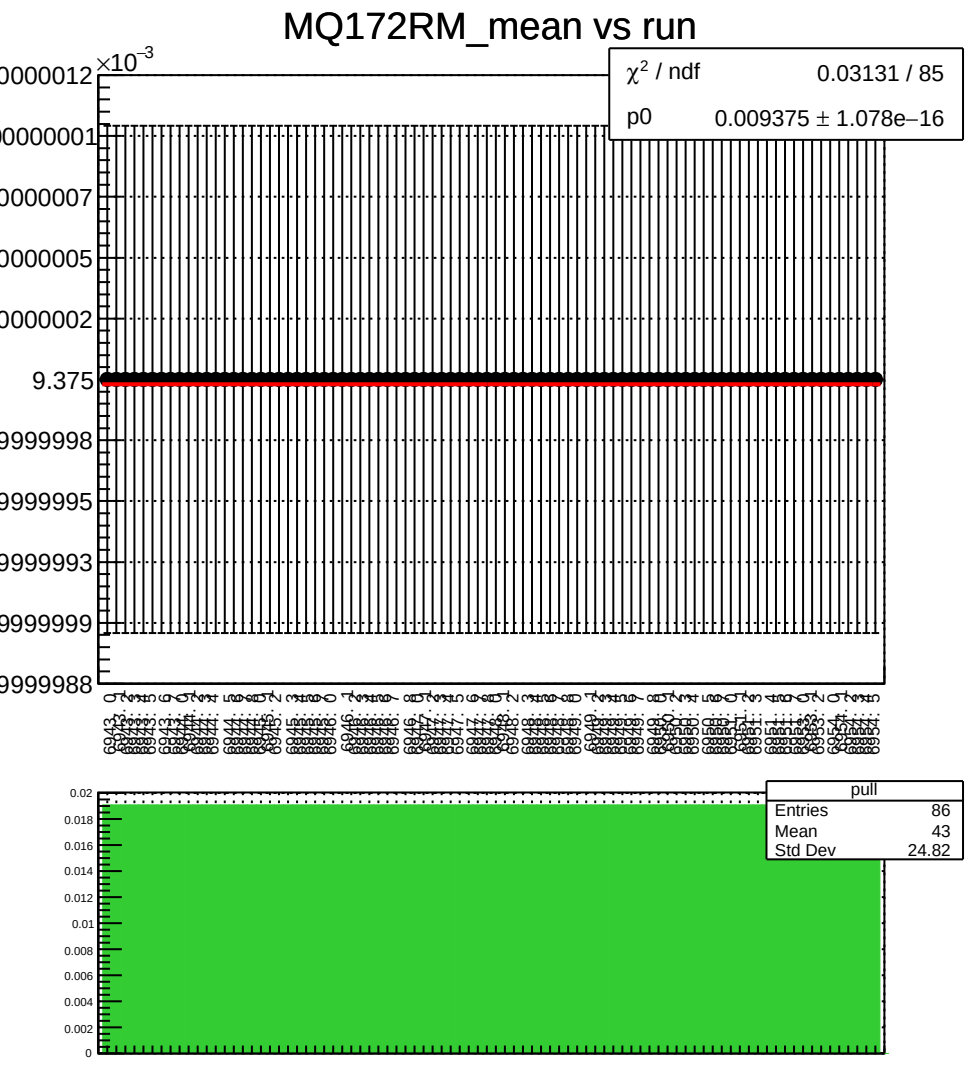

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.402e+29 / 85
p0 931.8 ± 1.078e−16
931.8
931.78
931.76
931.74
931.72
pull
Entries 86
Mean 3.687e+09
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

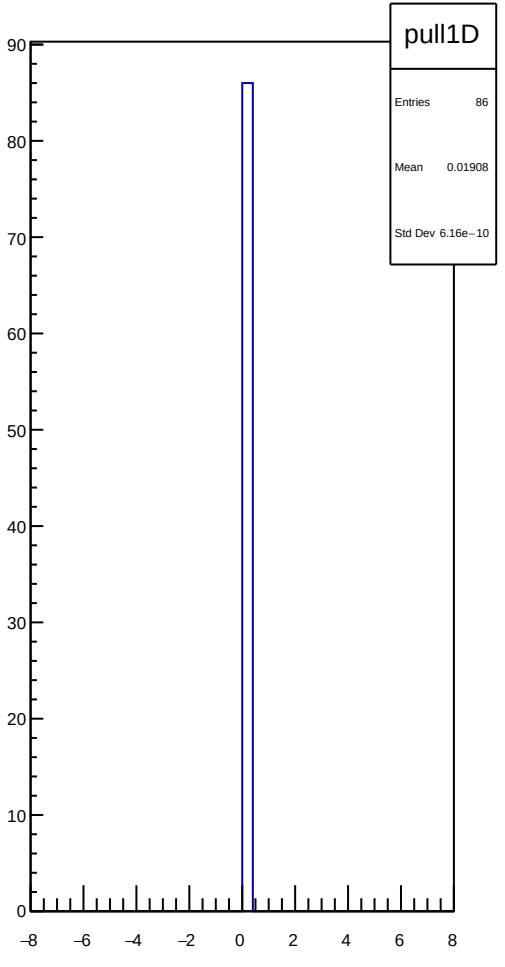

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 9.469e+25 / 85
p0 741.5 ± 1.078e−16
741.5085
741.508
741.5075
741.507
741.5065
741.506
741.5055
741.505
741.5045
pull
Entries 86
Mean −5.474e+09
Std Dev 0
×10⁹
2000
1500
1000
500
0
−500
−1000
−1500
−2000

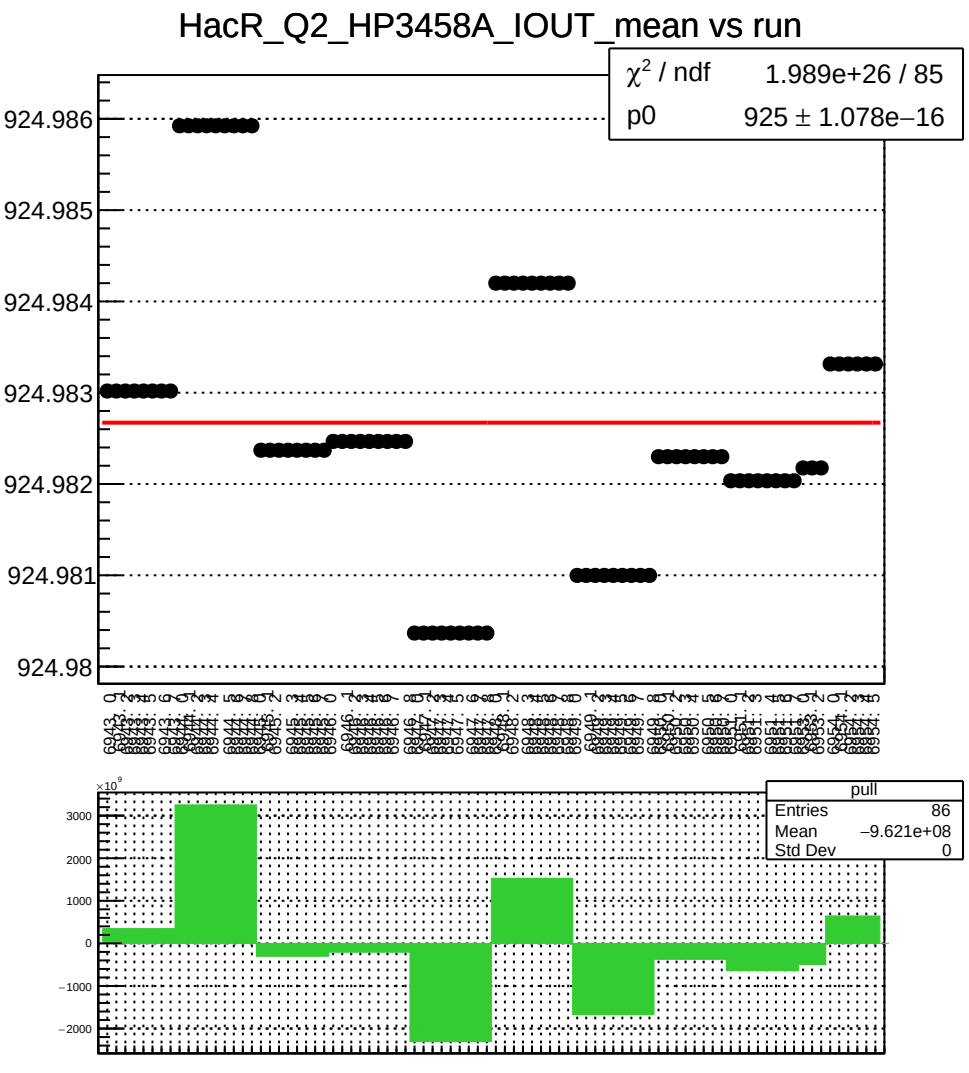

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

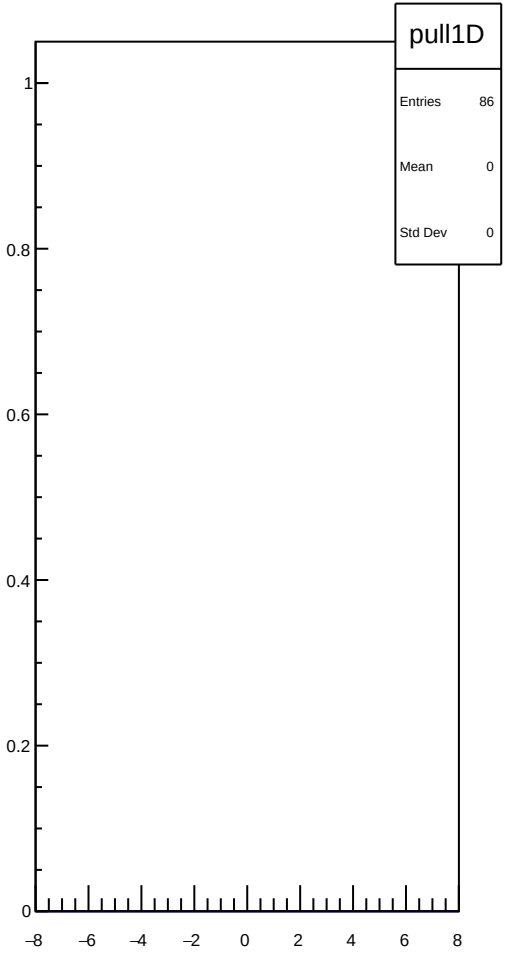

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.359e+26 / 85
p0 980.8 ± 1.078e−16
980.7595
980.759
980.7585
980.758
980.7575
980.757
980.7565
980.756
980.7555
980.755
pull
Entries 86
Mean 2.112e+10
Std Dev 0
×10⁹
2000
1500
1000
500
0
−500
−1000
−1500
−2000

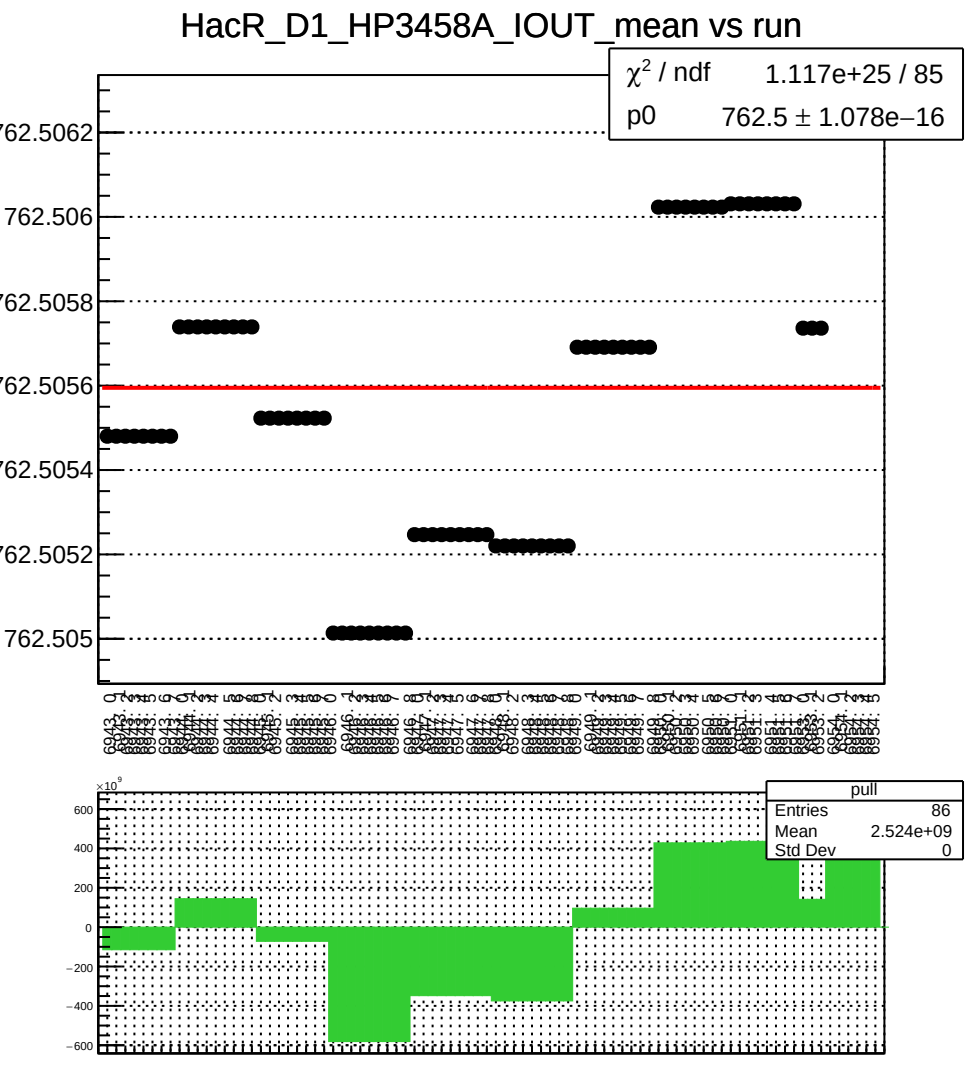

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

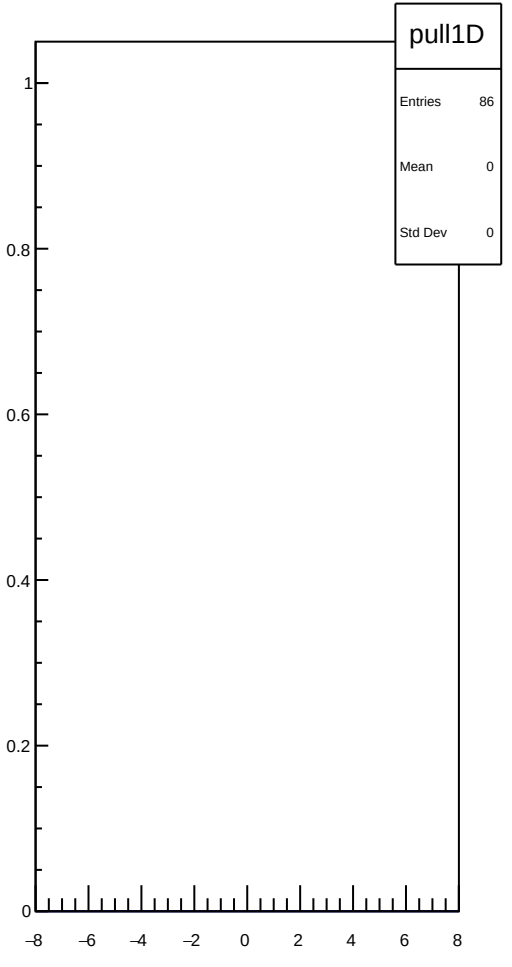

MQ172RM_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
pull
Entries 86
Mean 43
Std Dev 24.82

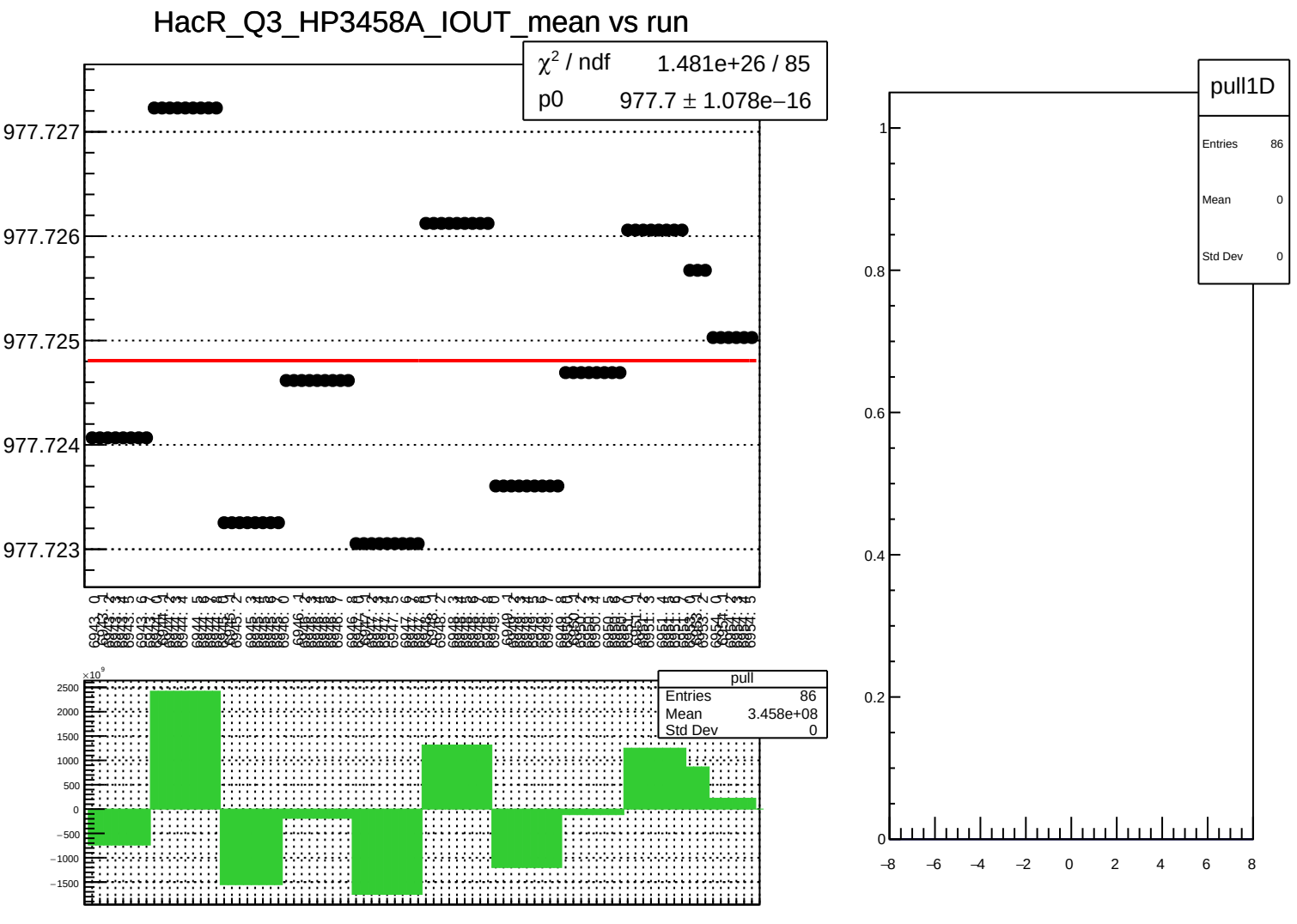

pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10

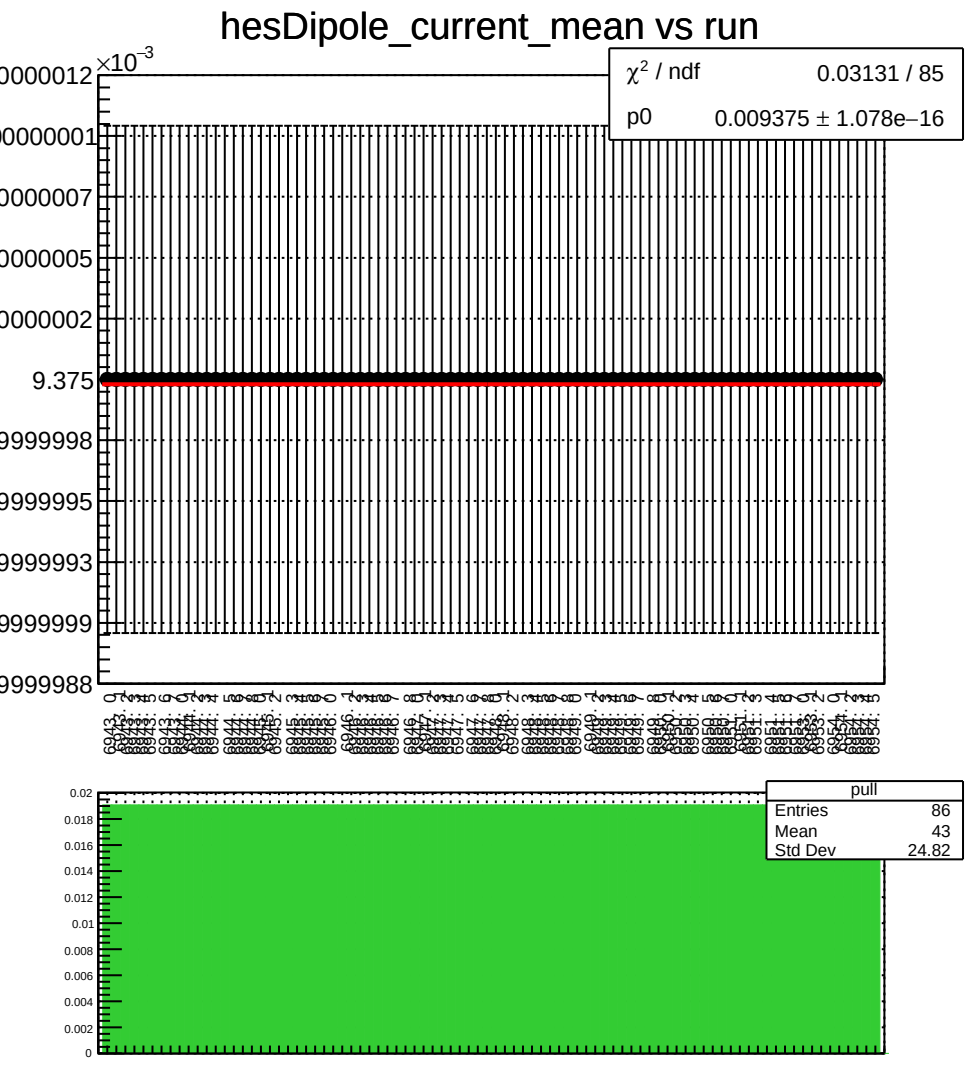

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.989e+26 / 85
p0 925 ± 1.078e−16
924.986
924.985
924.984
924.983
924.982
924.981
924.98
×10⁹
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −9.621e+08
Std Dev 0

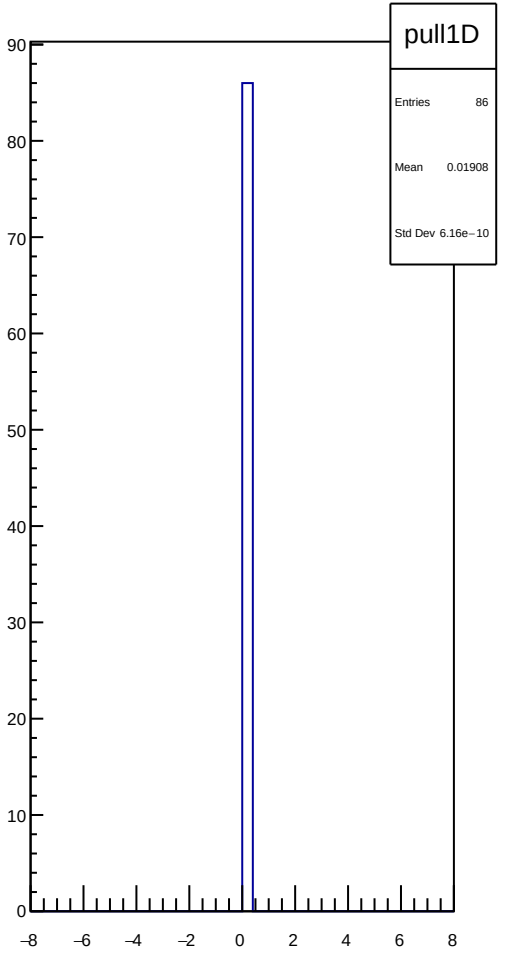

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

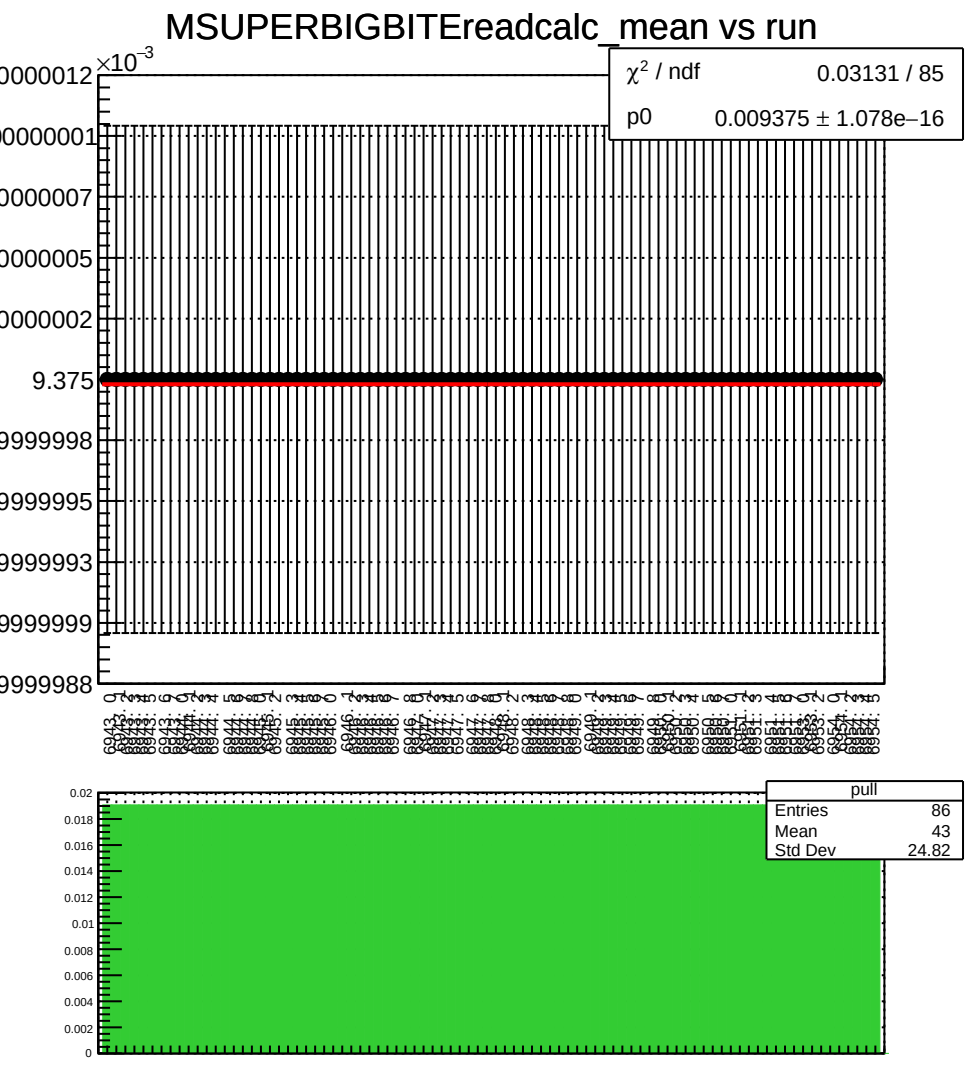

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.117e+25 / 85
p0 762.5 ± 1.078e−16
762.5062
762.506
762.5058
762.5056
762.5054
762.5052
762.505
pull
Entries 86
Mean 2.524e+09
Std Dev 0
×10⁹
600
400
200
0
−200
−400
−600

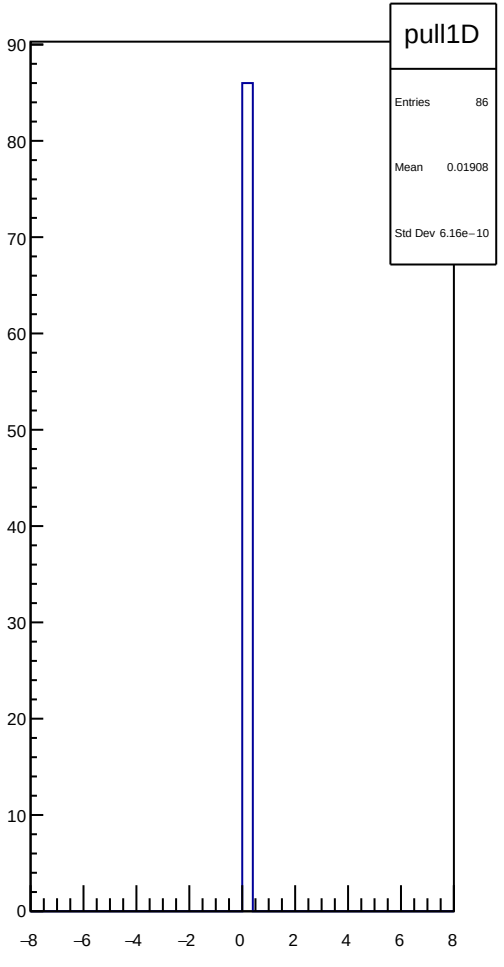

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

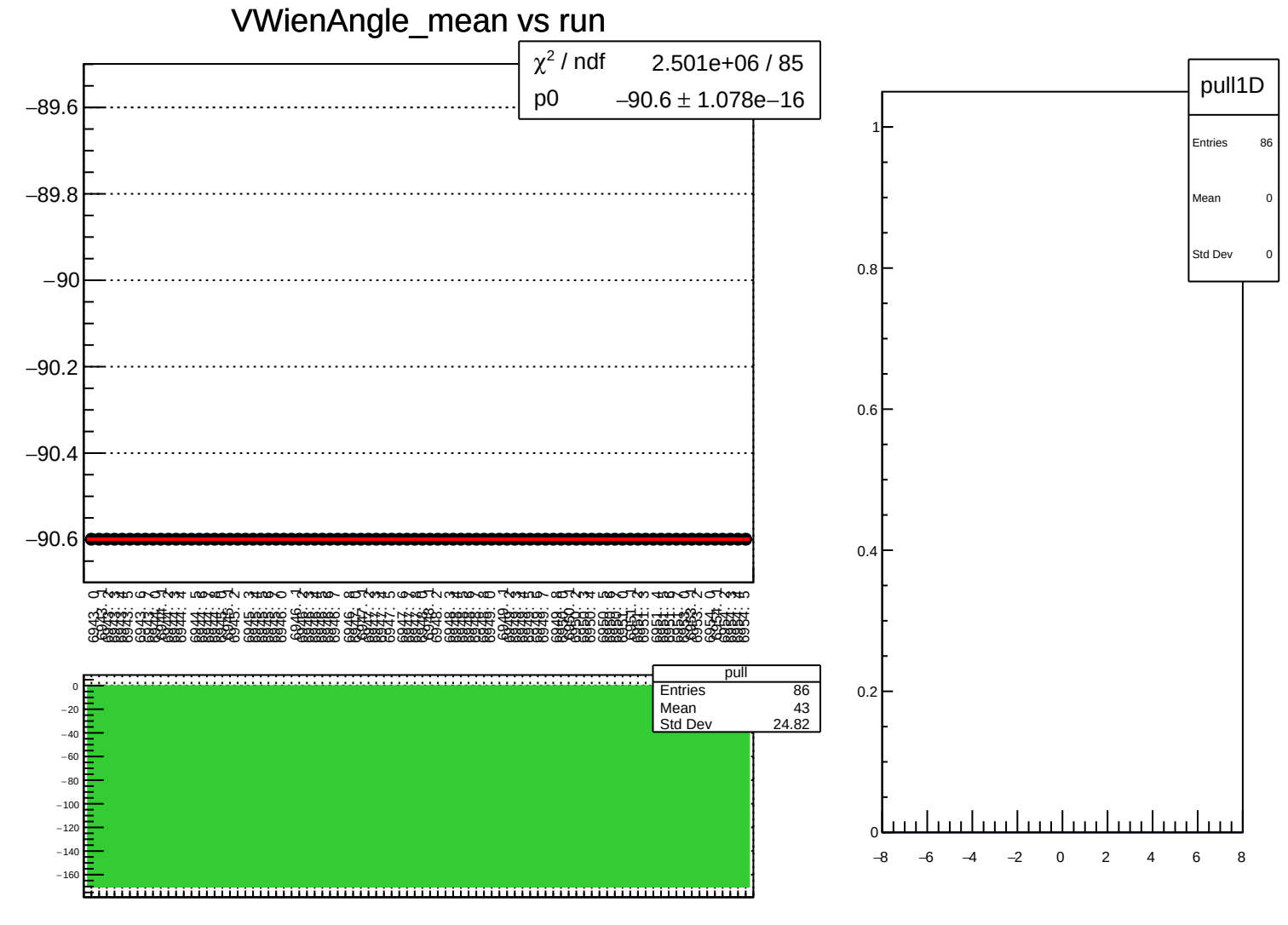

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.481e+26 / 85
p0 977.7 ± 1.078e−16
977.727
977.726
977.725
977.724
977.723
×10⁹
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 86
Mean 3.458e+08
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

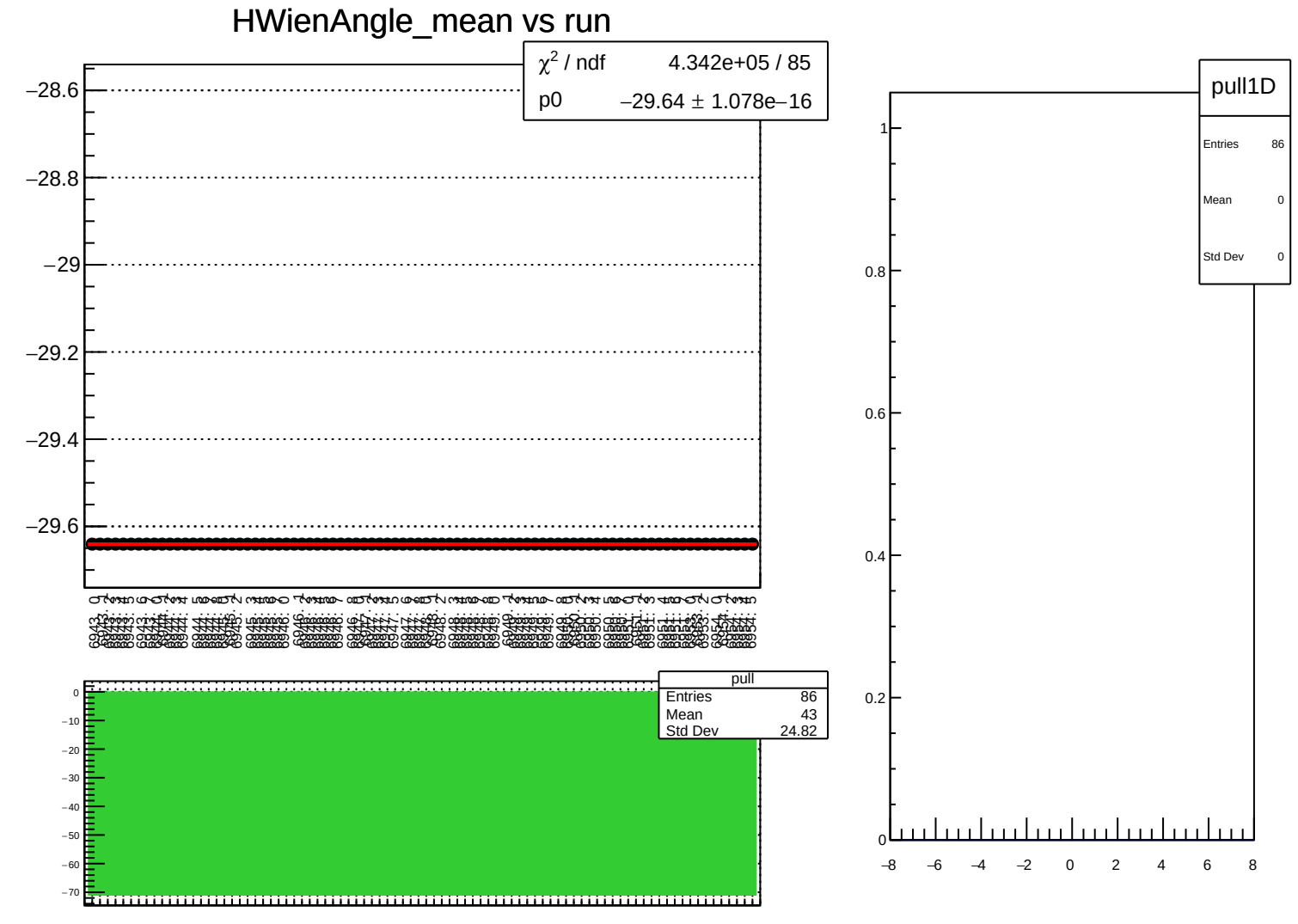

hesDipole_current_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
9.375
pull
Entries 86
Mean 43
Std Dev 24.82

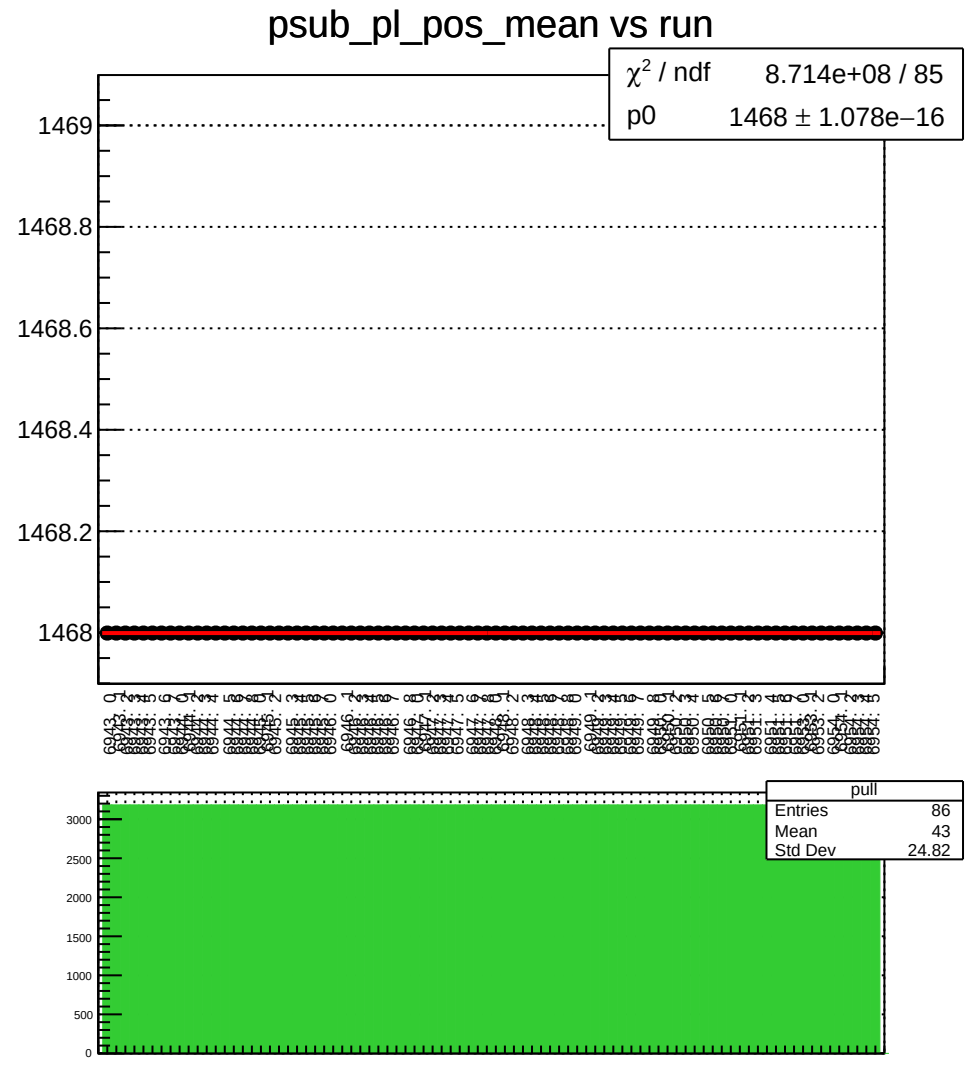

pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10

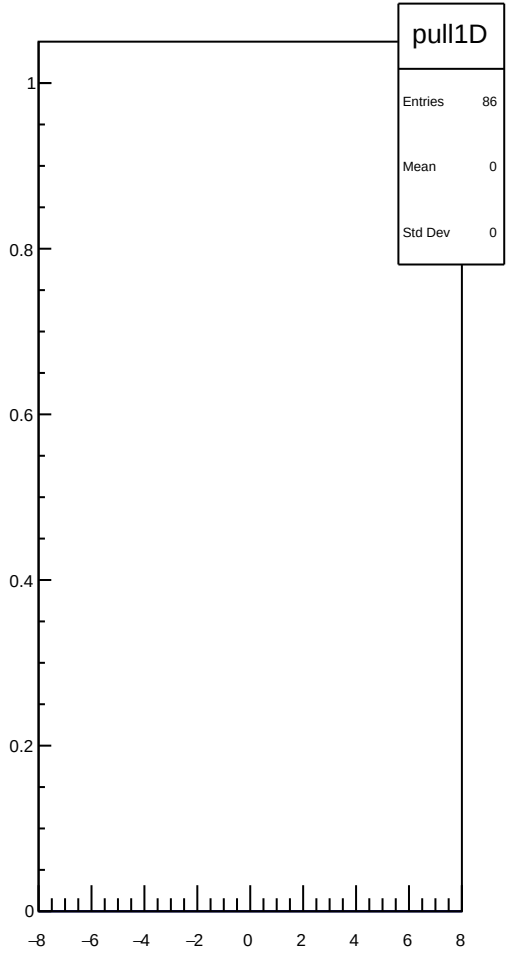

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
pull
Entries 86
Mean 43
Std Dev 24.82

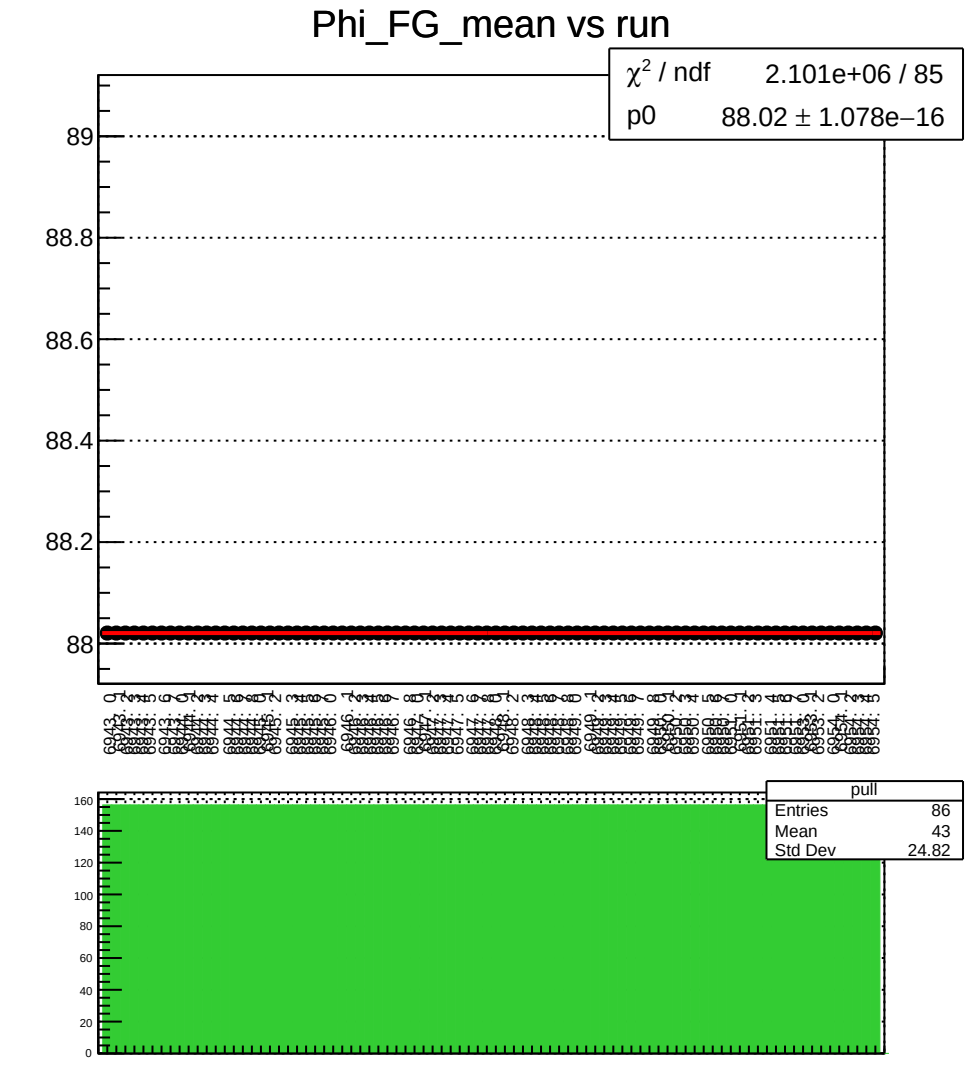

pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10

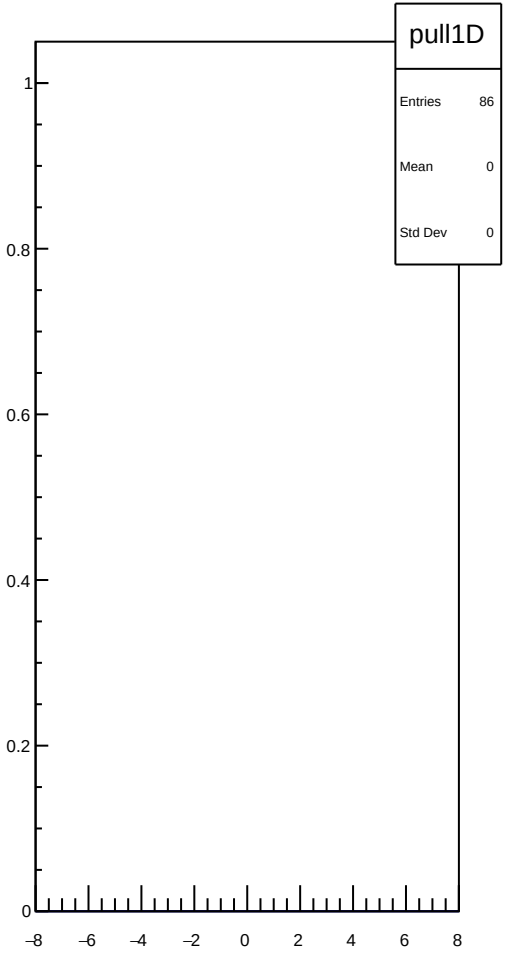

VWienAngle_mean vs run
χ² / ndf 2.501e+06 / 85
p0 −90.6 ± 1.078e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 86
Mean 43
Std Dev 24.82
0
−20
−40
−60
−80
−100
−120
−140
−160
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

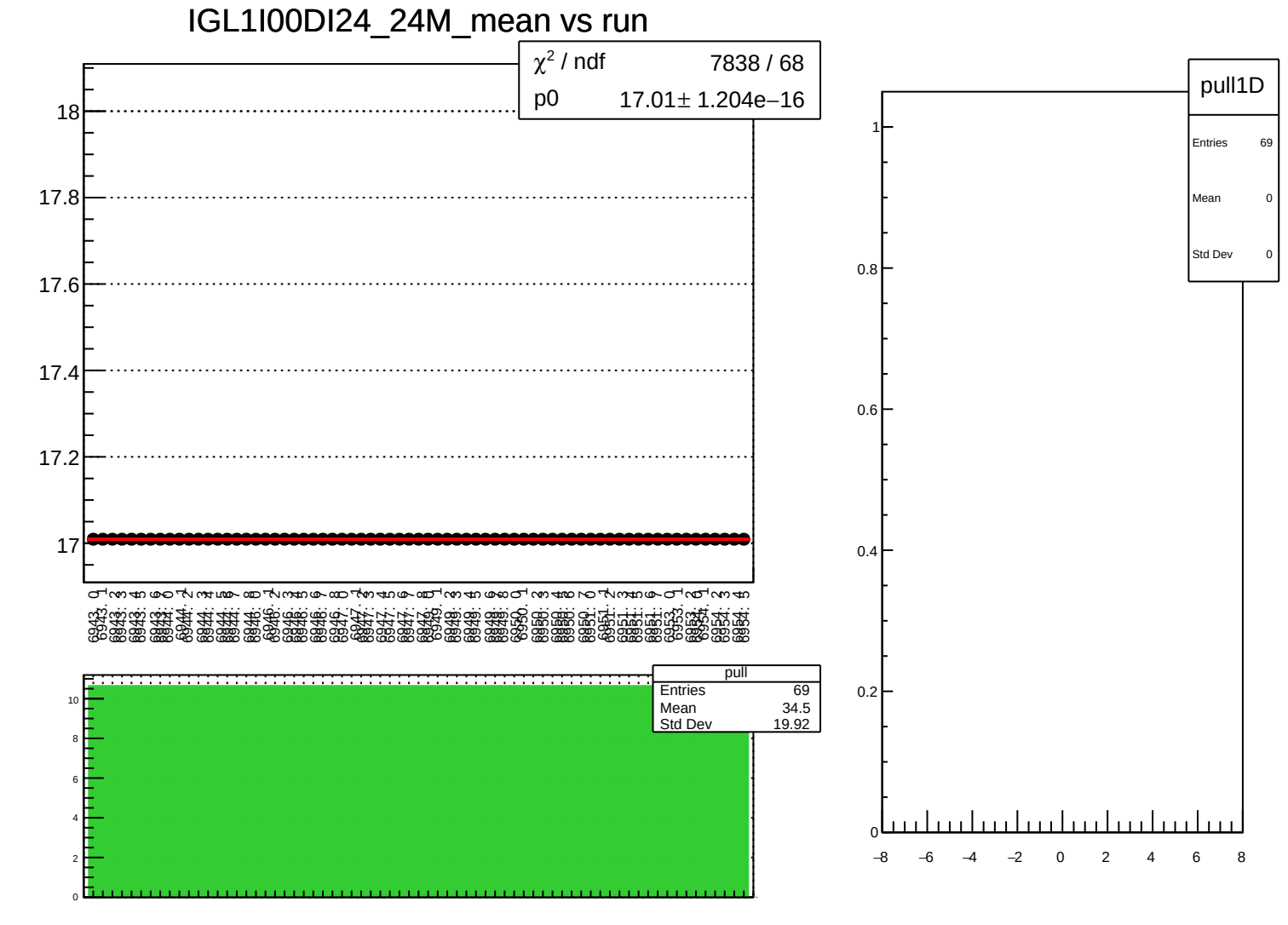

HWienAngle_mean vs run
χ² / ndf 4.342e+05 / 85
p0 −29.64 ± 1.078e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 86
Mean 43
Std Dev 24.82
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

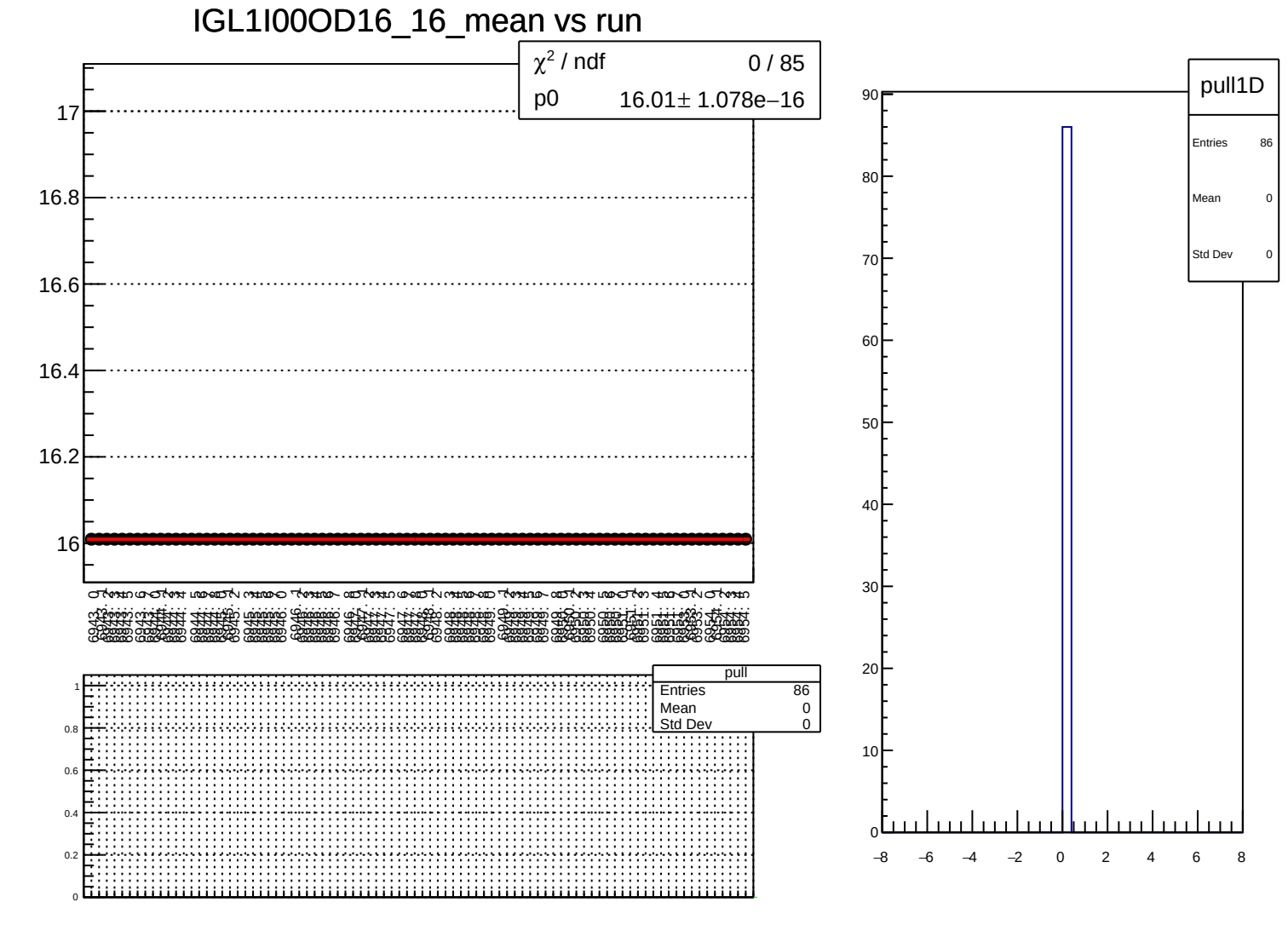

psub_pl_pos_mean vs run
χ² / ndf 8.714e+08 / 85
p0 1468 ± 1.078e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 86
Mean 43
Std Dev 24.82
3000
2500
2000
1500
1000
500
0

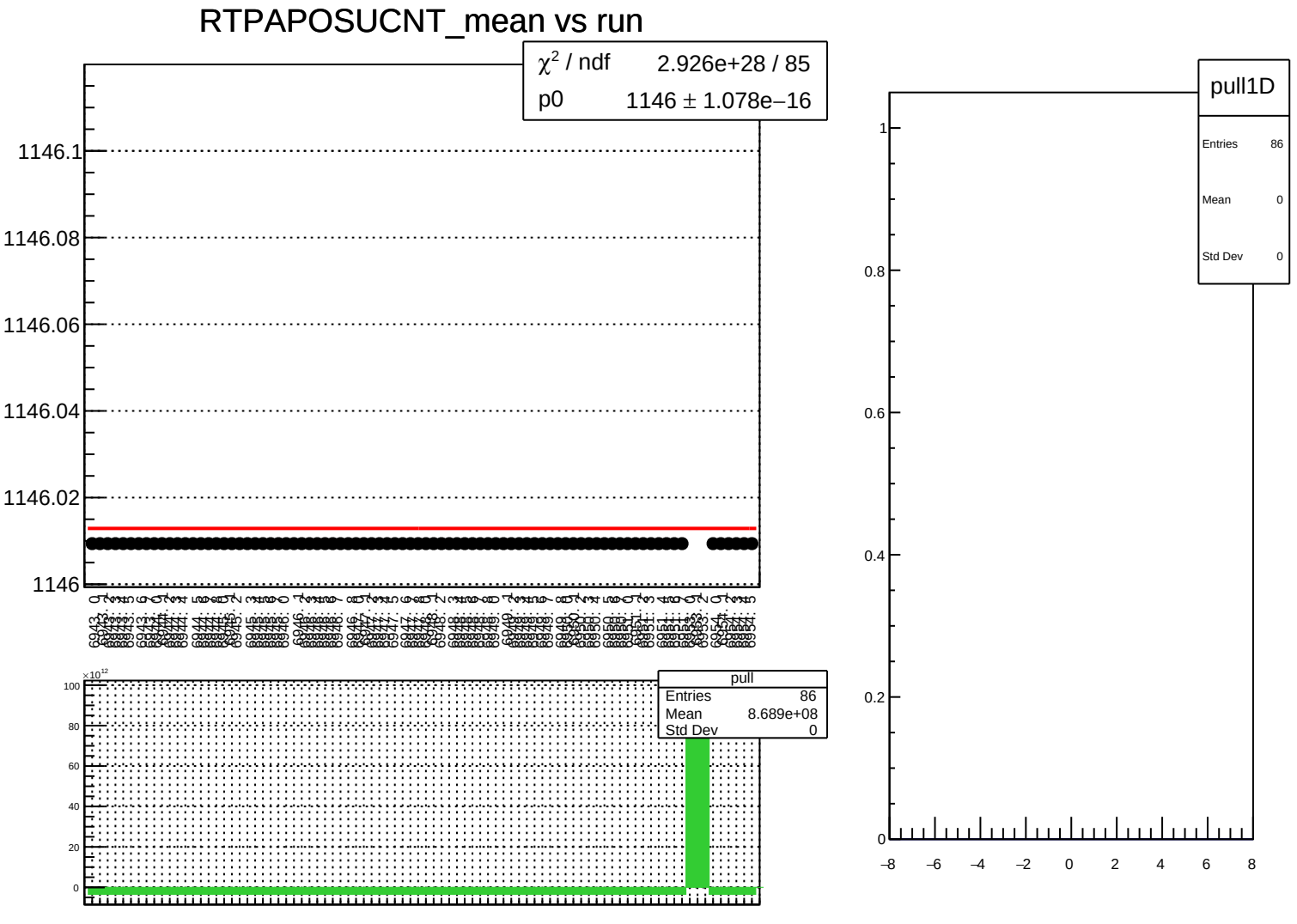

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

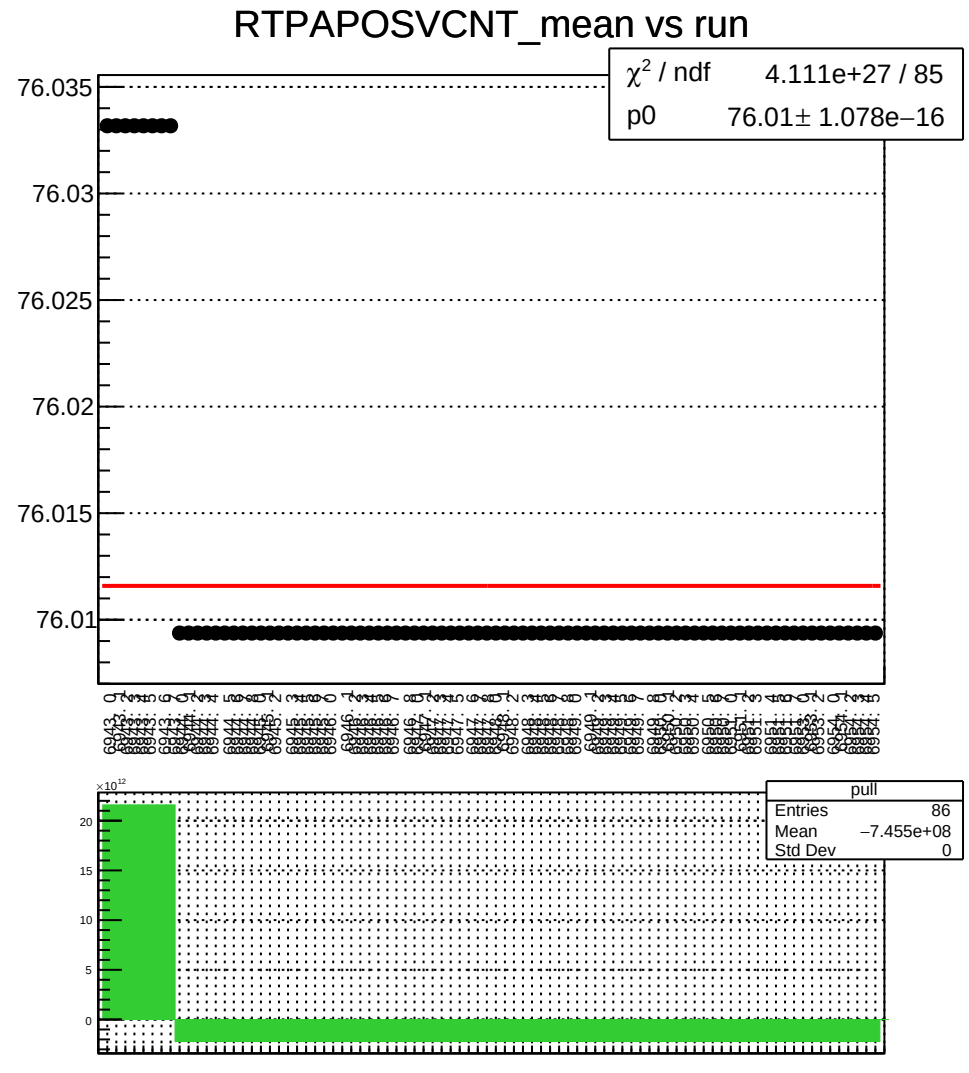

Phi_FG_mean vs run
χ² / ndf 2.101e+06 / 85
p0 88.02 ± 1.078e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 86
Mean 43
Std Dev 24.82
160
140
120
100
80
60
40
20
0

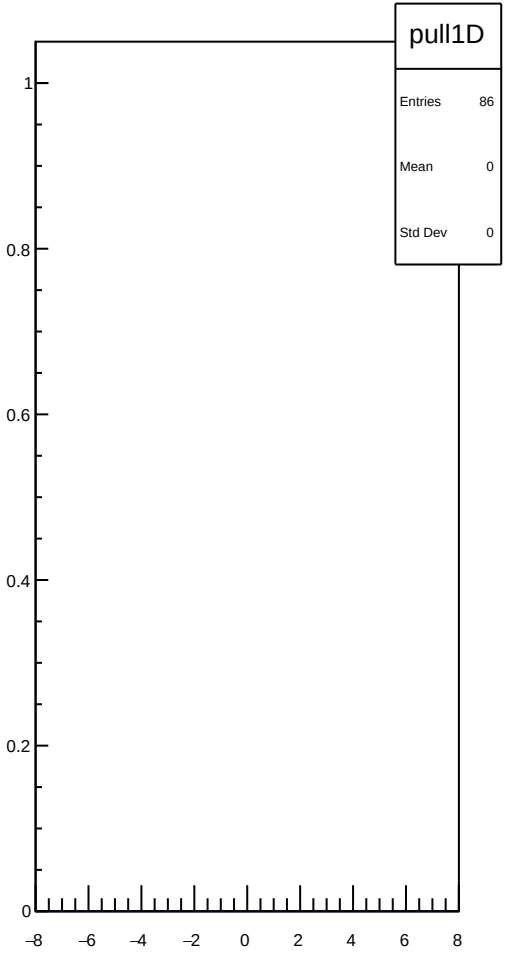

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

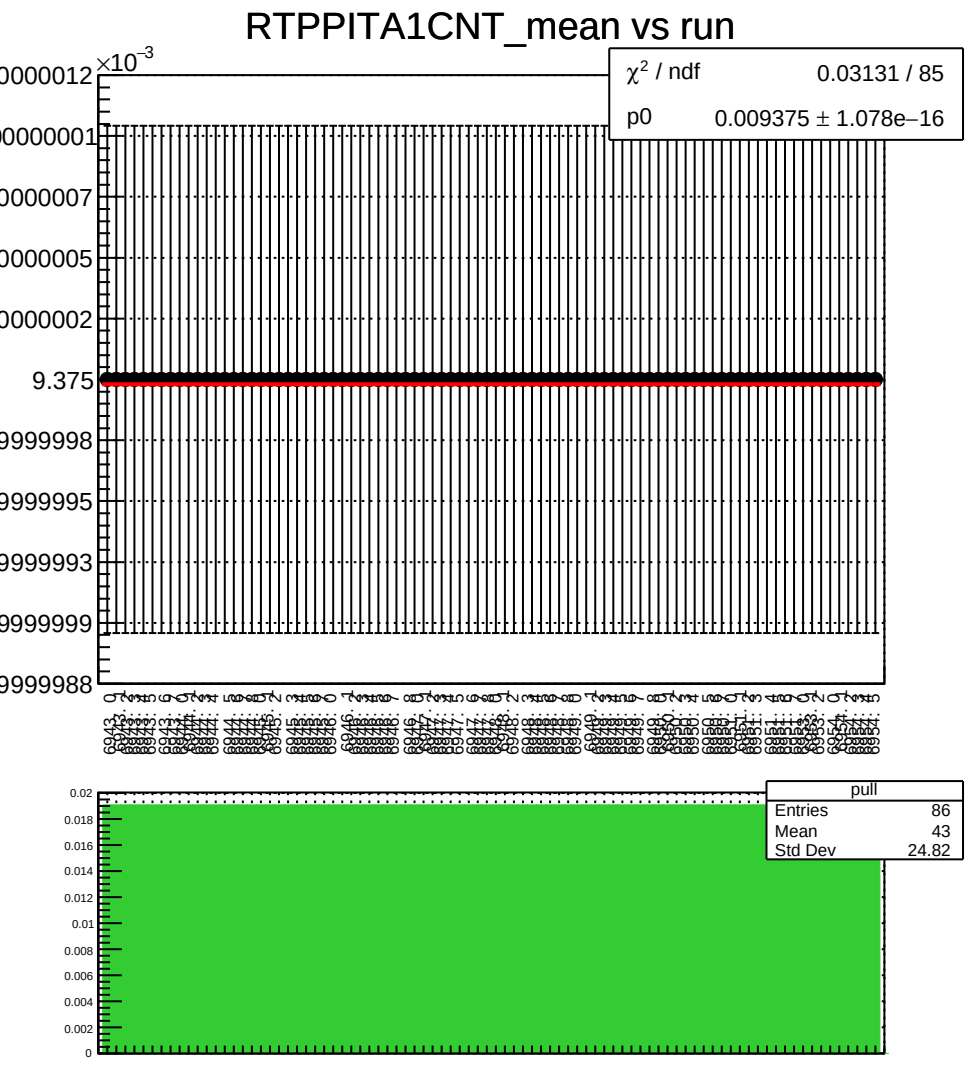

IGL1I00DI24_24M_mean vs run
χ² / ndf 7838 / 68
p0 17.01± 1.204e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 69
Mean 34.5
Std Dev 19.92
10
8
6
4
2
0
pull1D
Entries 69
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

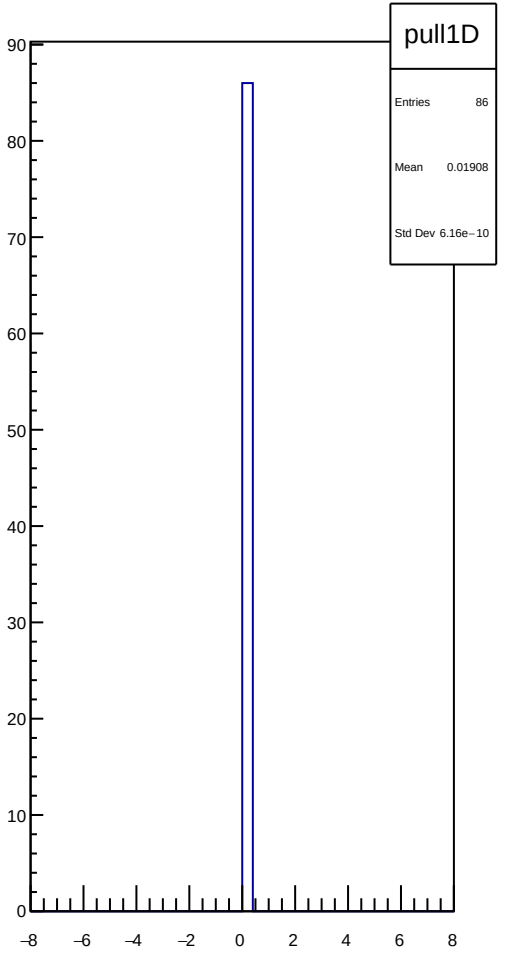

IGL1I00OD16_16_mean vs run
χ² / ndf 0 / 85
p0 16.01± 1.078e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

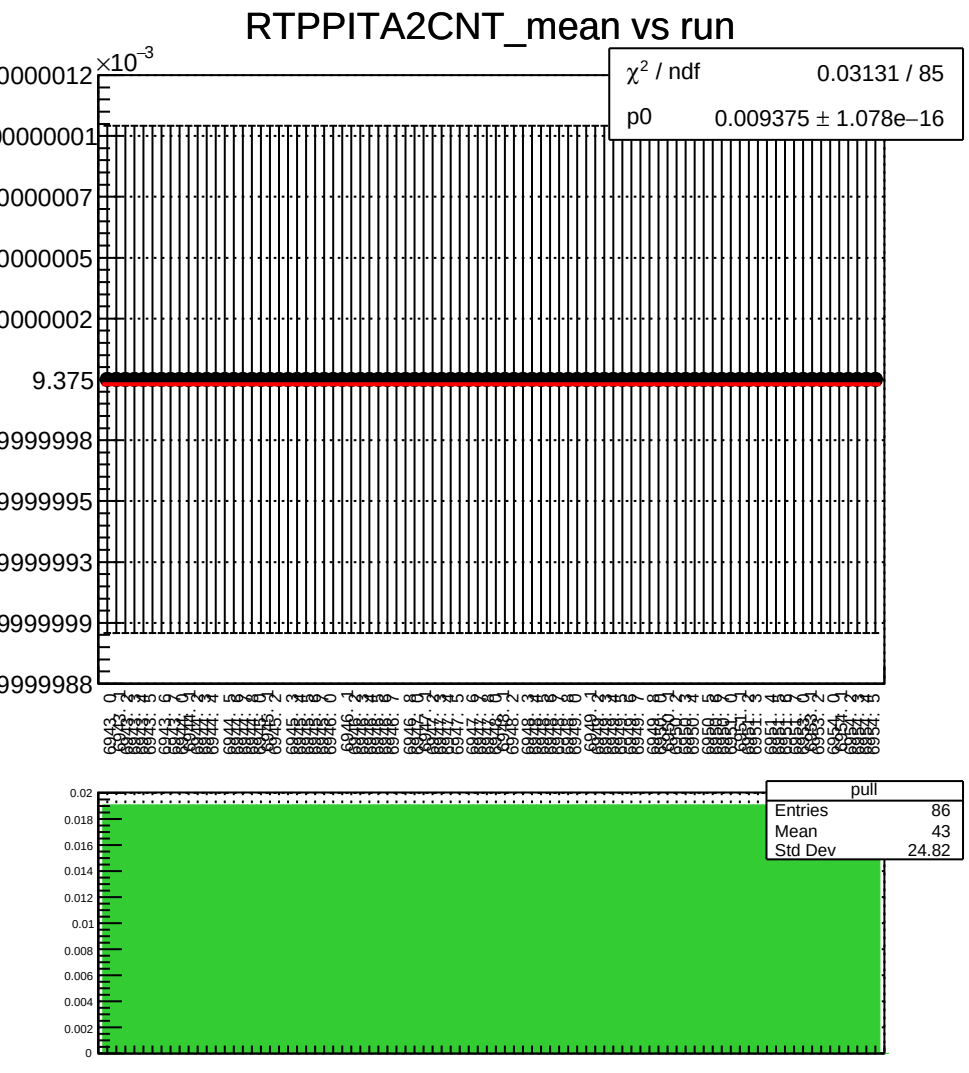

RTPAPOSUCNT_mean vs run
χ² / ndf 2.926e+28 / 85
p0 1146 ± 1.078e−16
1146.1
1146.08
1146.06
1146.04
1146.02
1146
pull
Entries 86
Mean 8.689e+08
Std Dev 0
×10¹²
100
80
60
40
20
0
pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

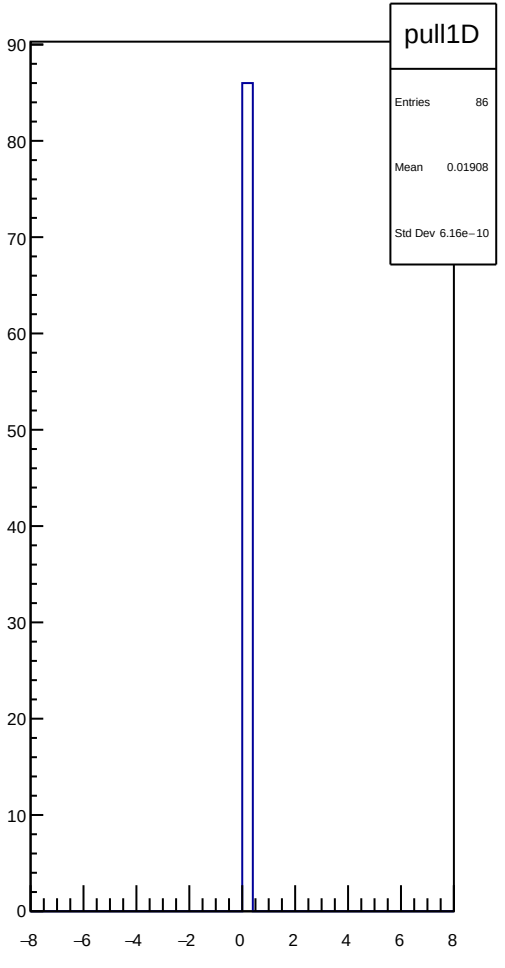

RTPAPOSVCNT_mean vs run
χ² / ndf 4.111e+27 / 85
p0 76.01± 1.078e−16
76.035
76.03
76.025
76.02
76.015
76.01
pull
Entries 86
Mean −7.455e+08
Std Dev 0
×10¹²
20
15
10
5
0


pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
pull
Entries 86
Mean 43
Std Dev 24.82


pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10


RTPPITA2CNT_mean vs run
χ² / ndf 0.03131 / 85
p0 0.009375 ± 1.078e−16
×10⁻³
pull
Entries 86
Mean 43
Std Dev 24.82


pull1D
Entries 86
Mean 0.01908
Std Dev 6.16e−10