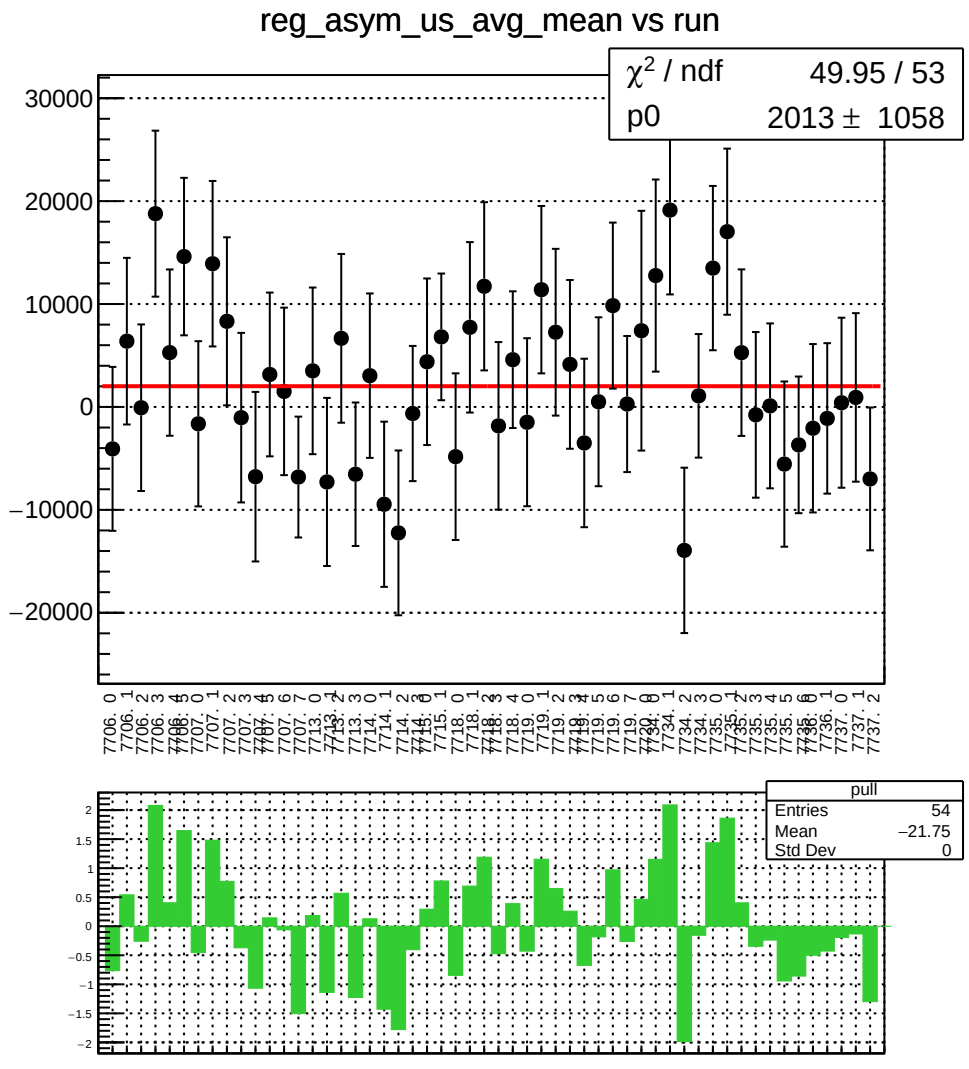
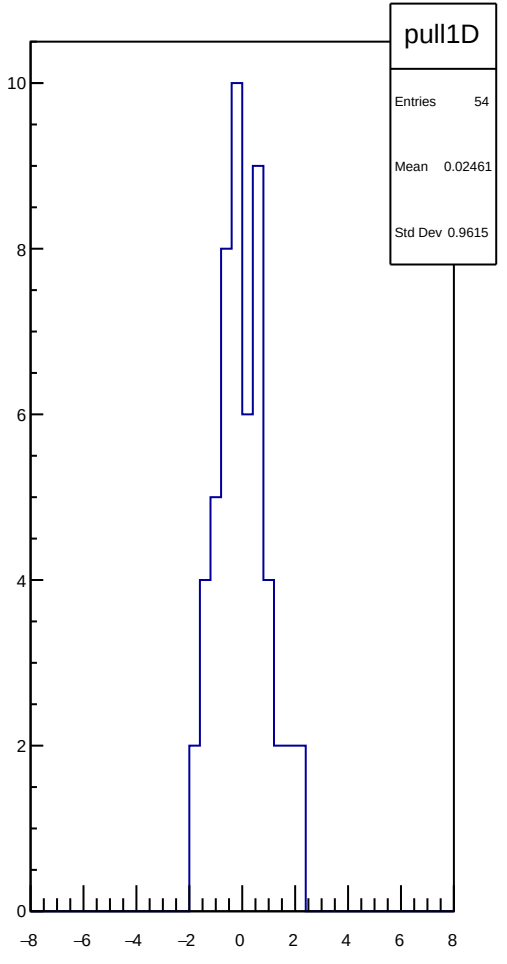
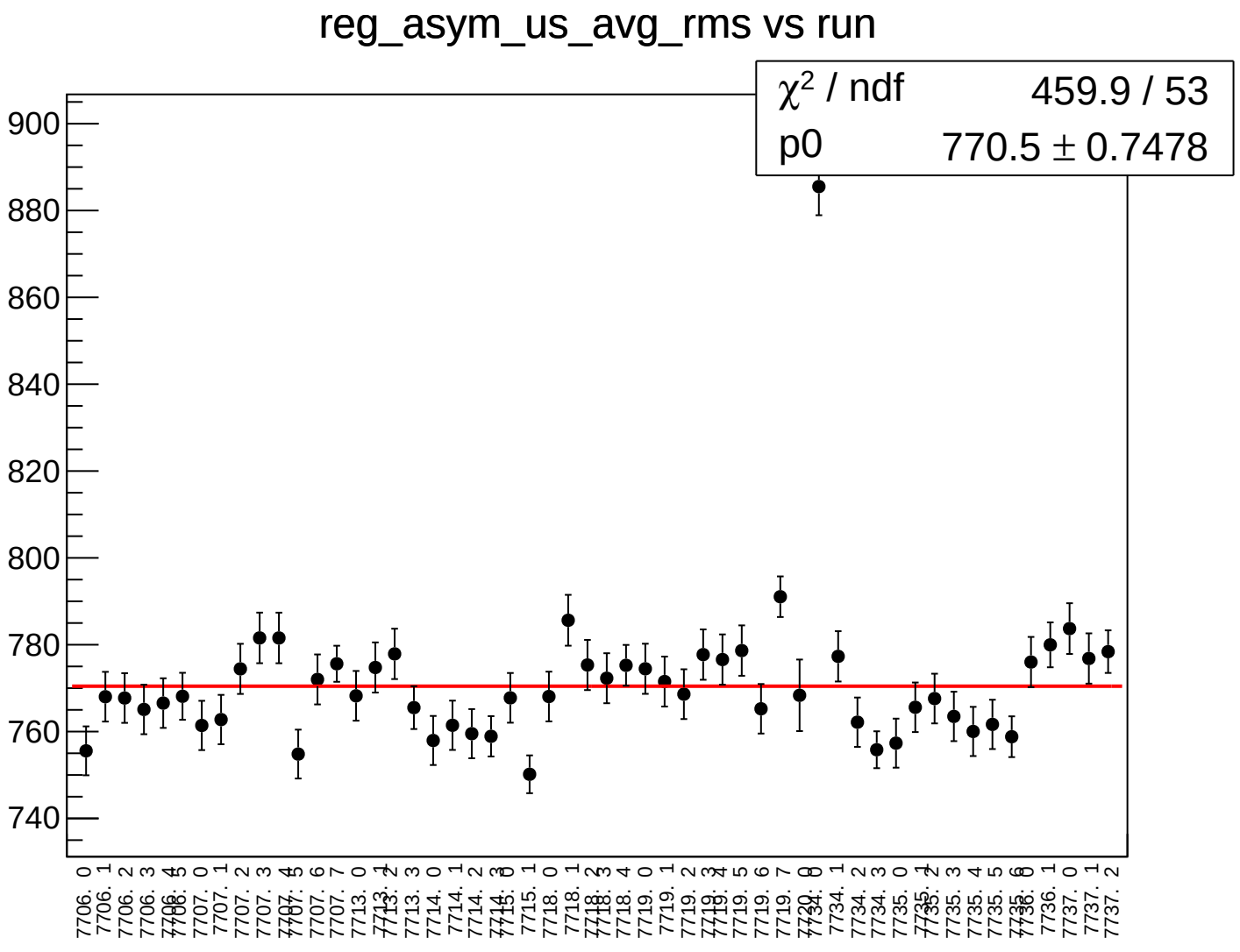
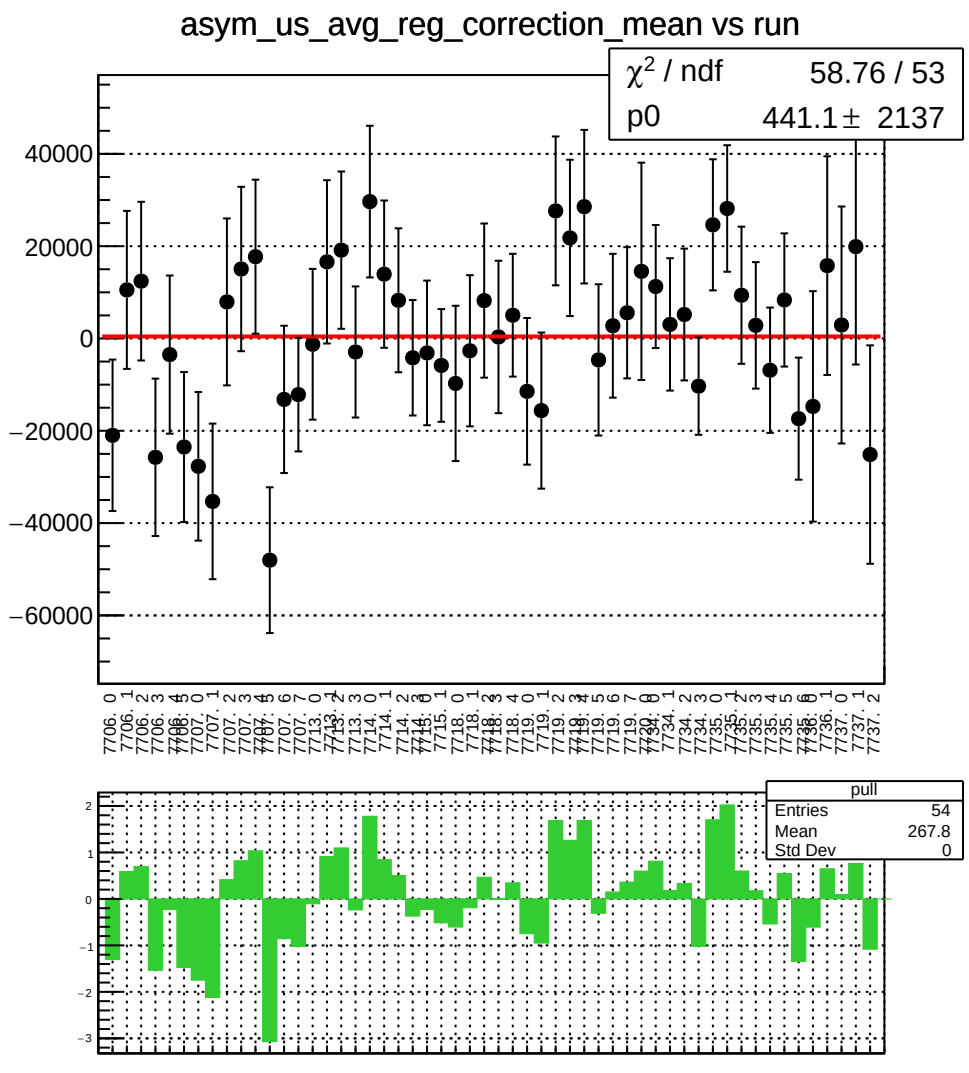
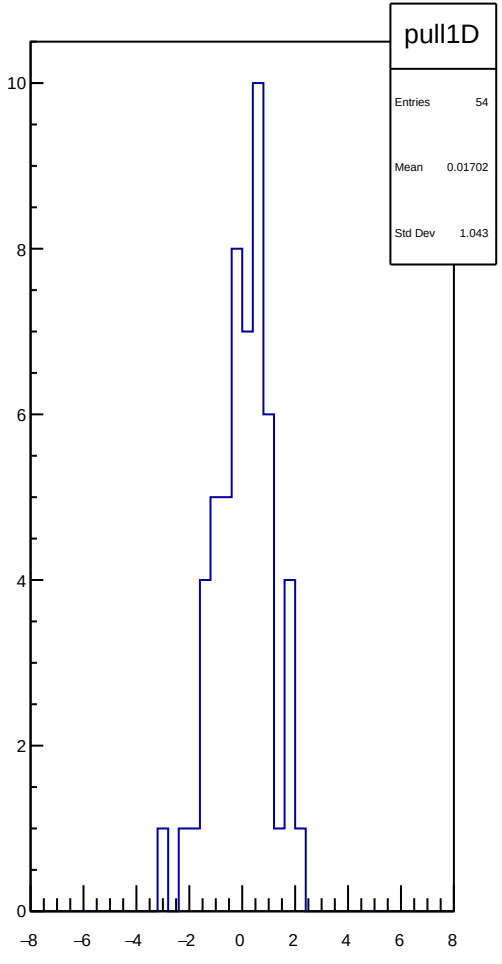
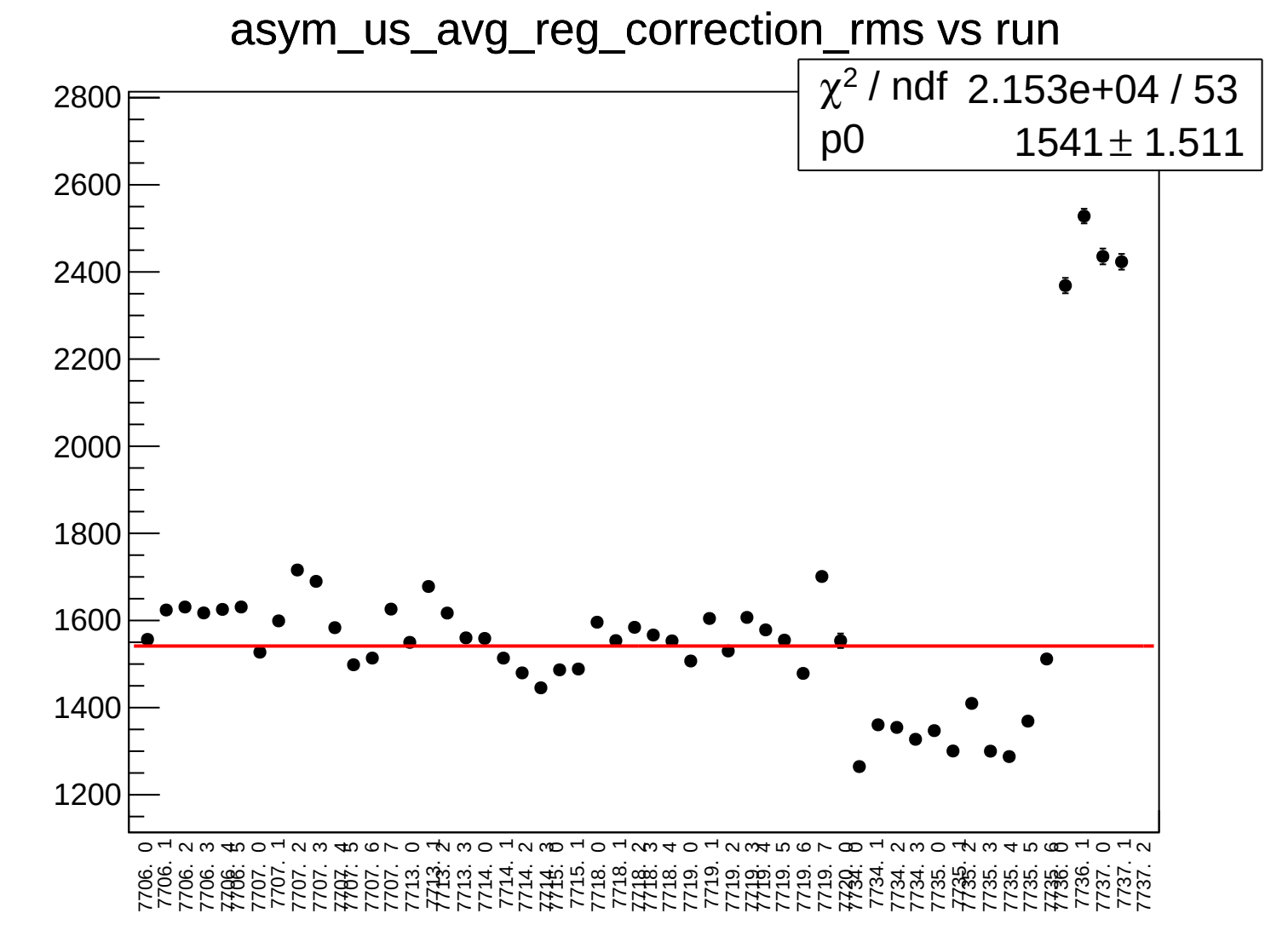

reg_asym_us_avg_mean vs run
χ² / ndf 49.95 / 53
p0 2013 ± 1058
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −21.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

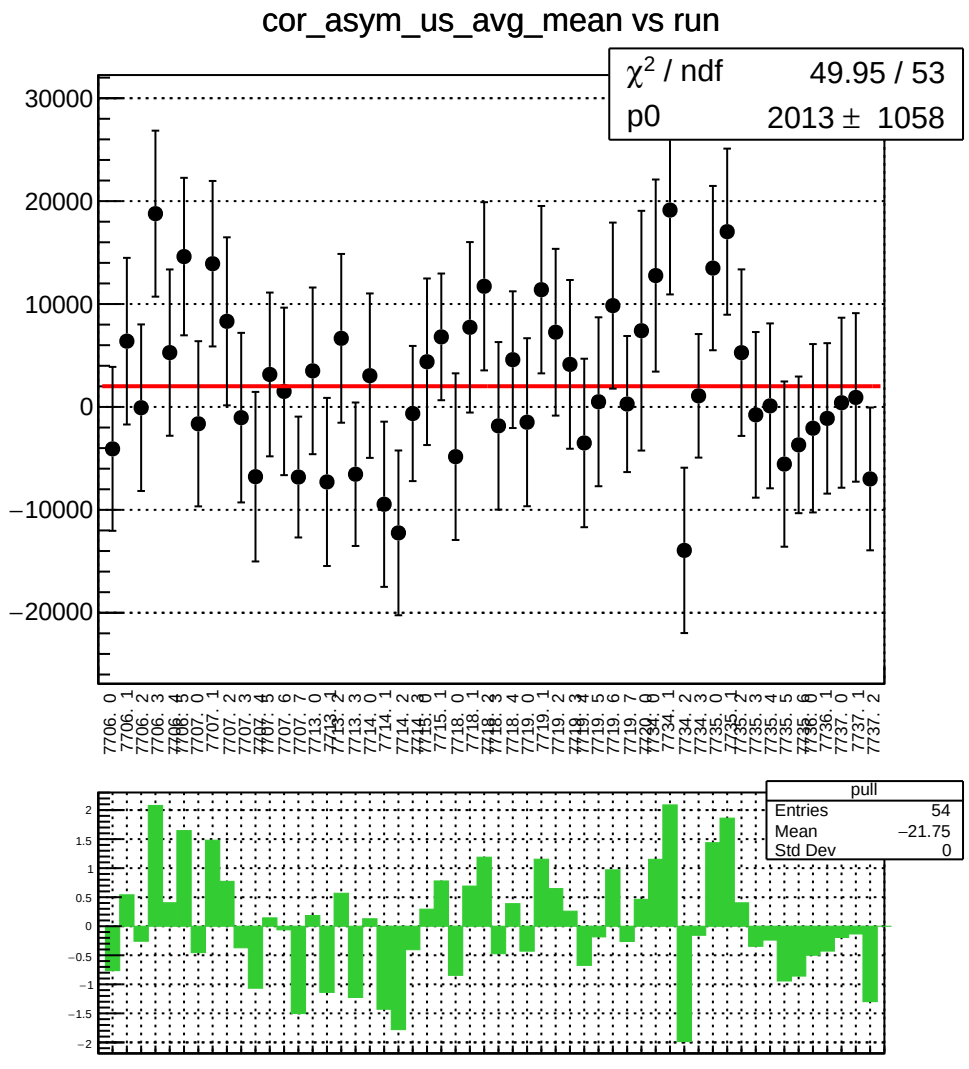

pull1D
Entries 54
Mean 0.02461
Std Dev 0.9615
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

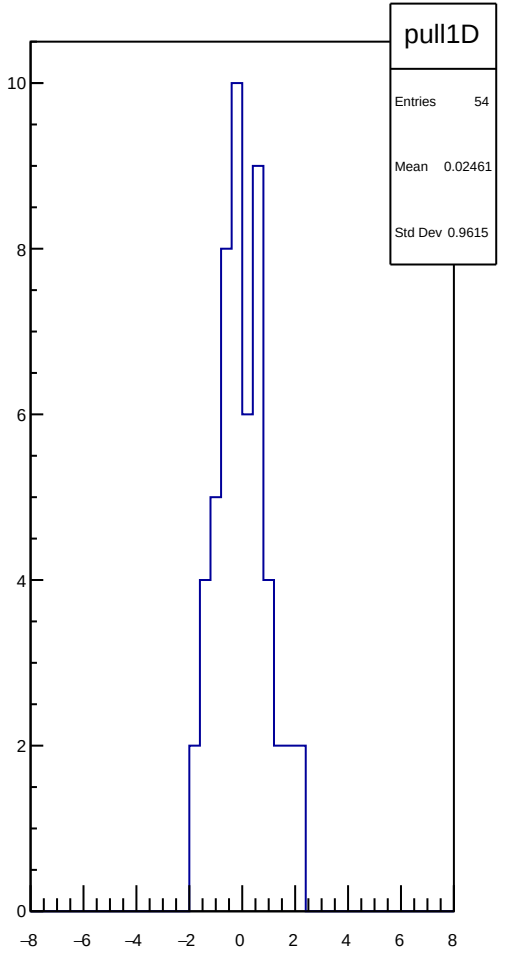

reg_asym_us_avg_rms vs run
χ^2 / ndf 459.9 / 53
p0 770.5 ± 0.7478
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

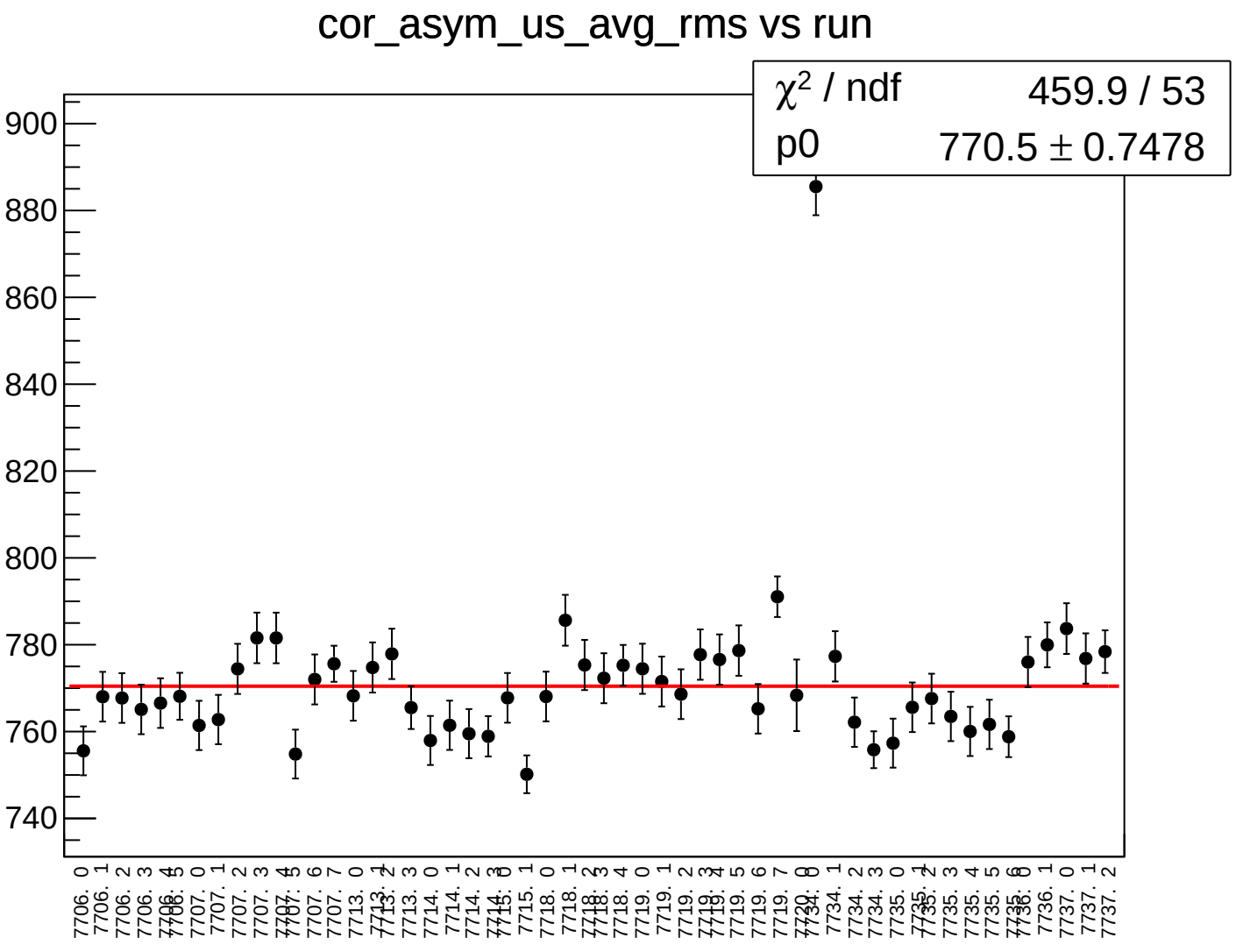

asym_us_avg_reg_correction_mean vs run
χ² / ndf 58.76 / 53
p0 441.1 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 267.8
Std Dev 0
2
1
0
−1
−2
−3

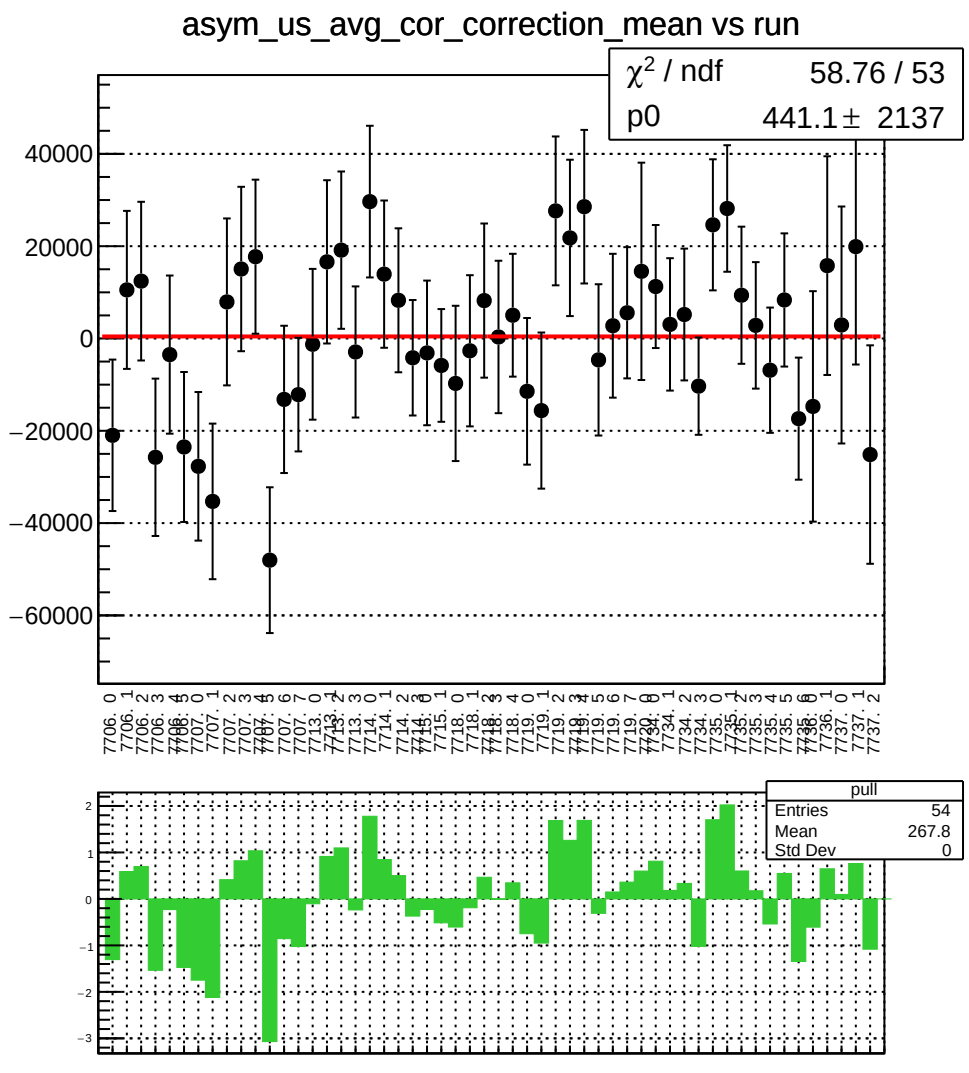

pull1D
Entries 54
Mean 0.01702
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

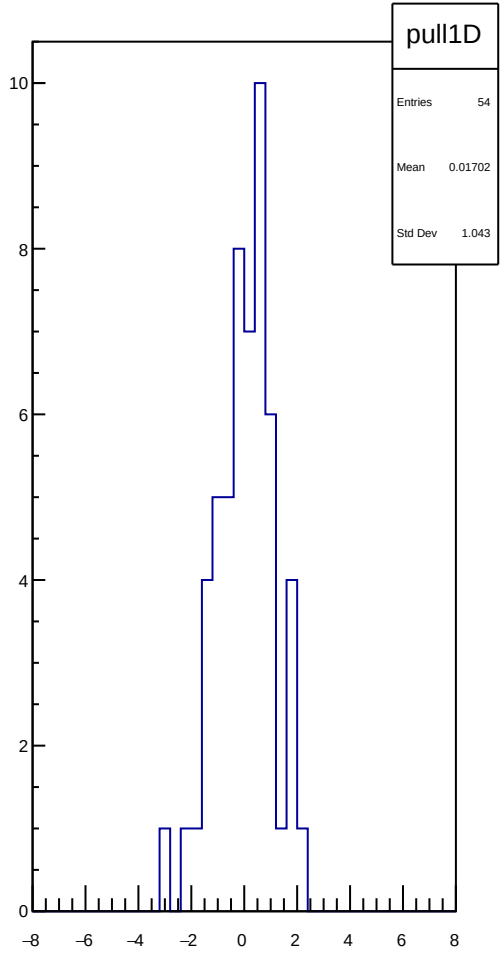

asym_us_avg_reg_correction_rms vs run
χ² / ndf 2.153e+04 / 53
p0 1541 ± 1.511
2800
2600
2400
2200
2000
1800
1600
1400
1200

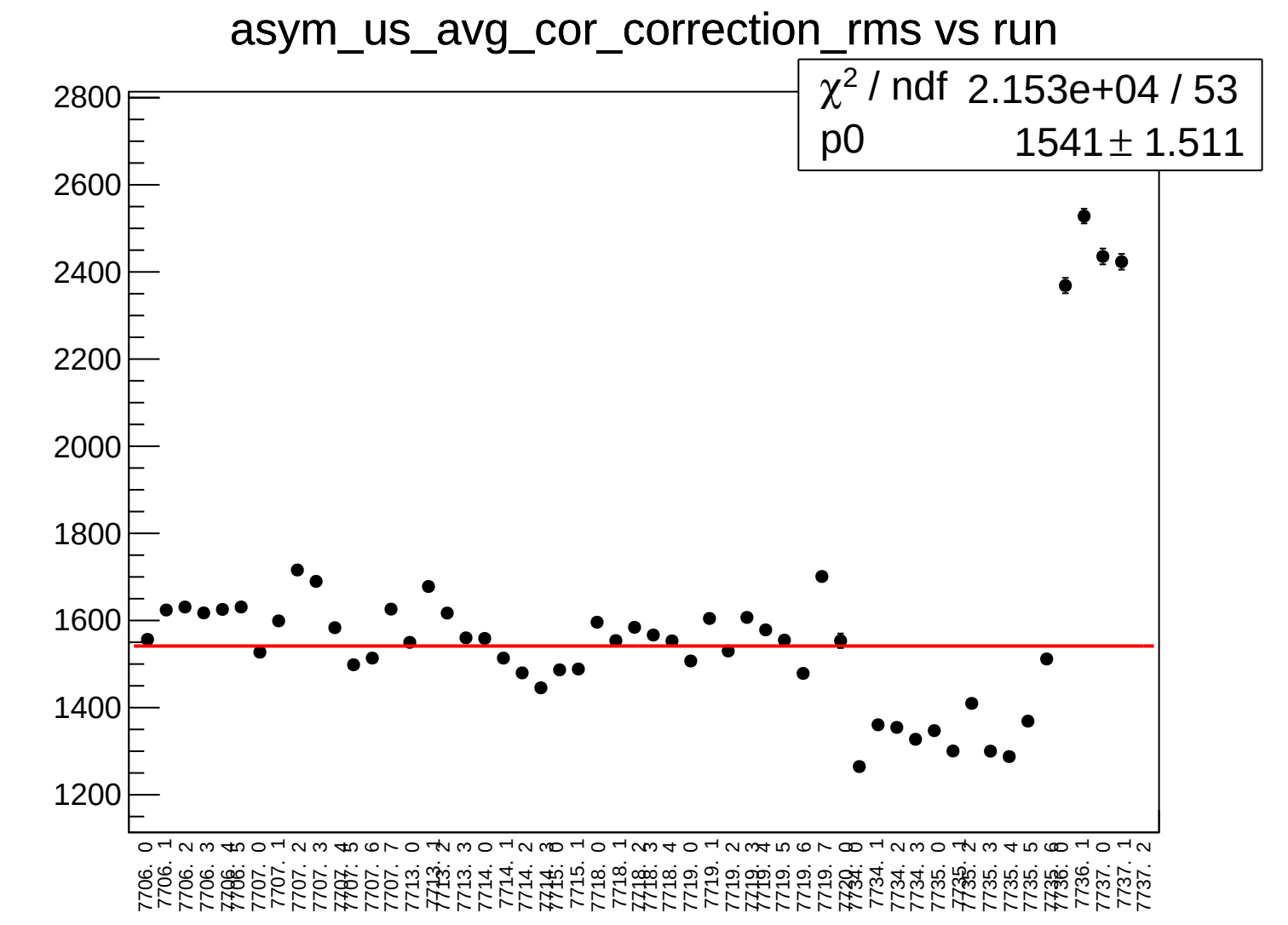

cor_asym_us_avg_mean vs run
χ² / ndf 49.95 / 53
p0 2013 ± 1058
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −21.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

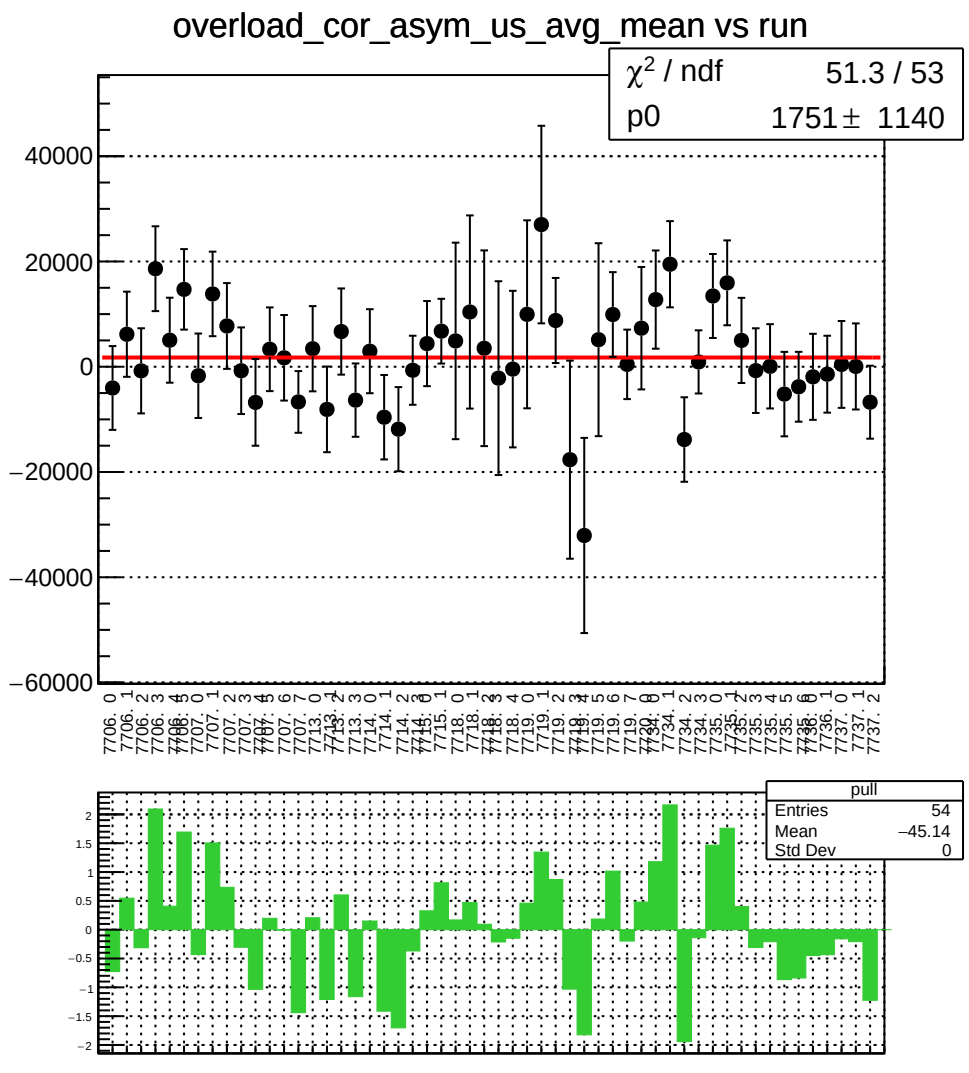

pull1D
Entries 54
Mean 0.02461
Std Dev 0.9615
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

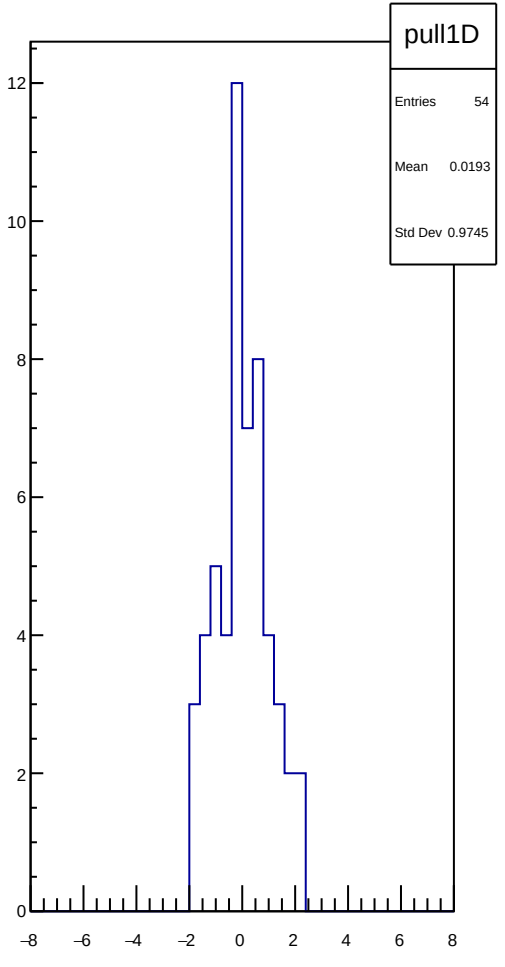

cor_asym_us_avg_rms vs run
χ^2 / ndf 459.9 / 53
p0 770.5 ± 0.7478
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

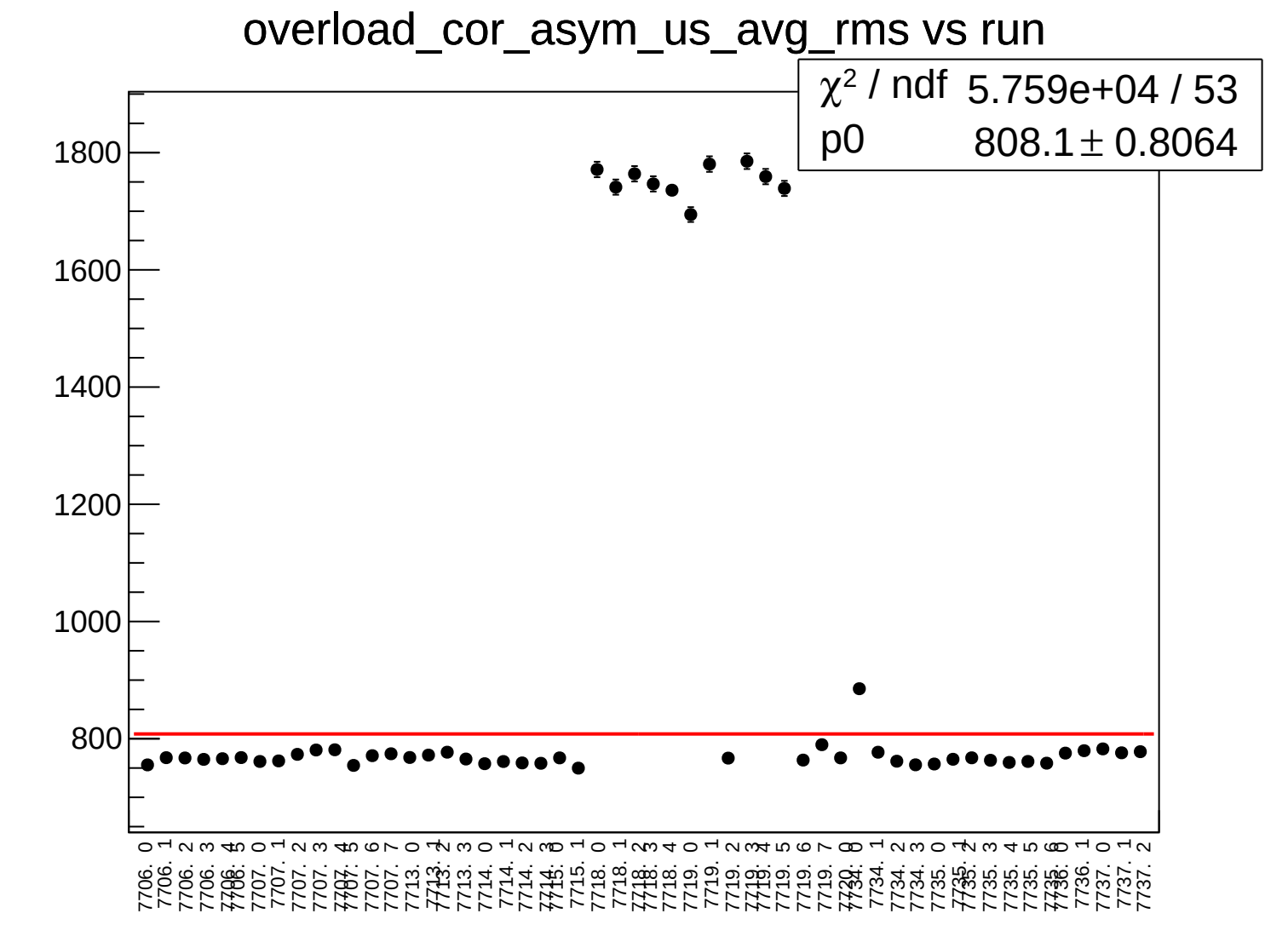

asym_us_avg_cor_correction_mean vs run
χ² / ndf 58.76 / 53
p0 441.1 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 267.8
Std Dev 0
2
1
0
−1
−2
−3

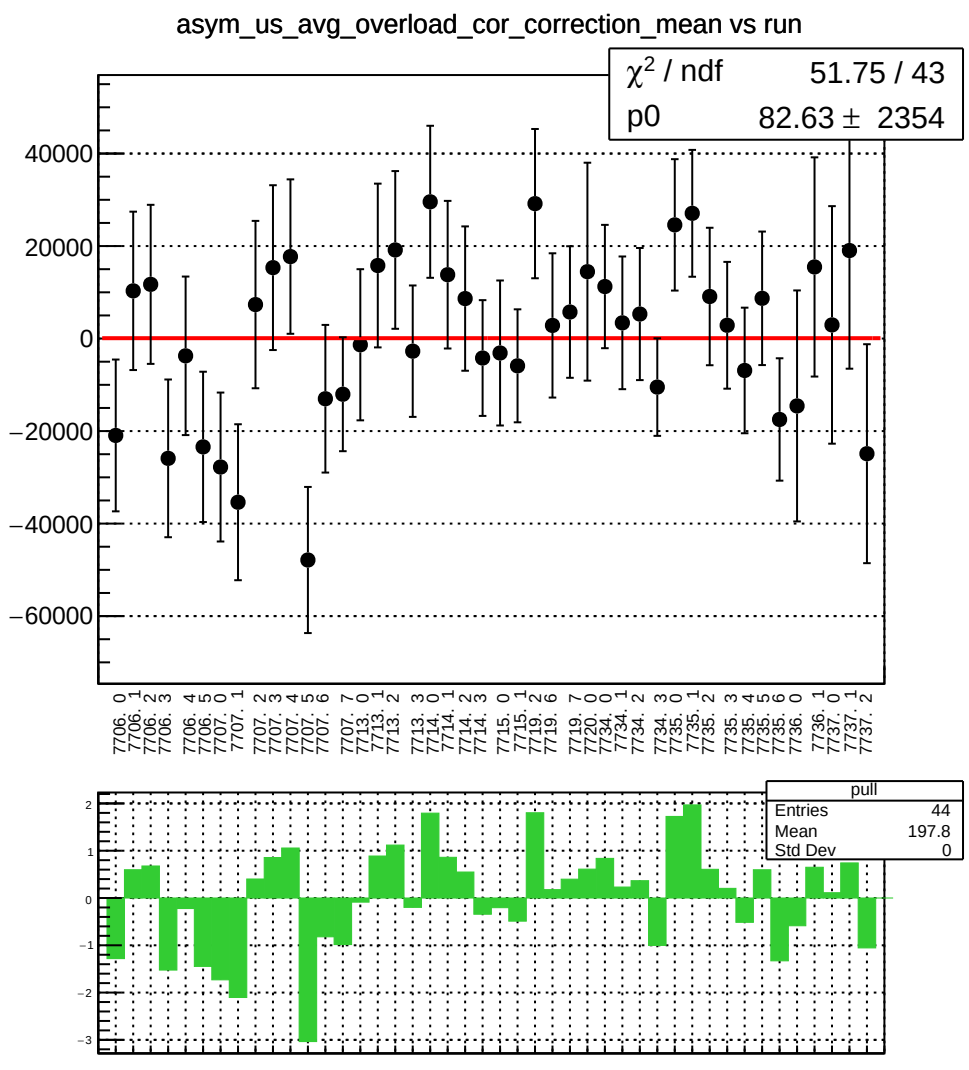

pull1D
Entries 54
Mean 0.01702
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

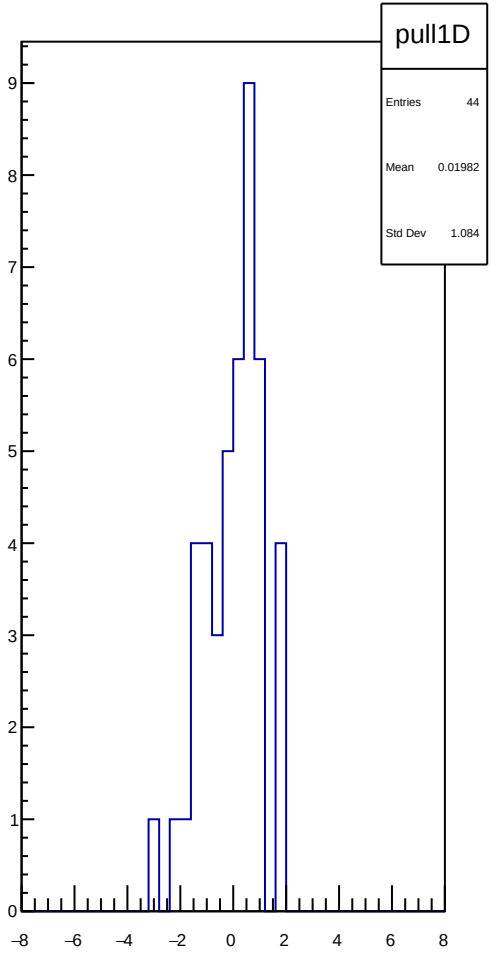

asym_us_avg_cor_correction_rms vs run
χ² / ndf 2.153e+04 / 53
p0 1541 ± 1.511
2800
2600
2400
2200
2000
1800
1600
1400
1200

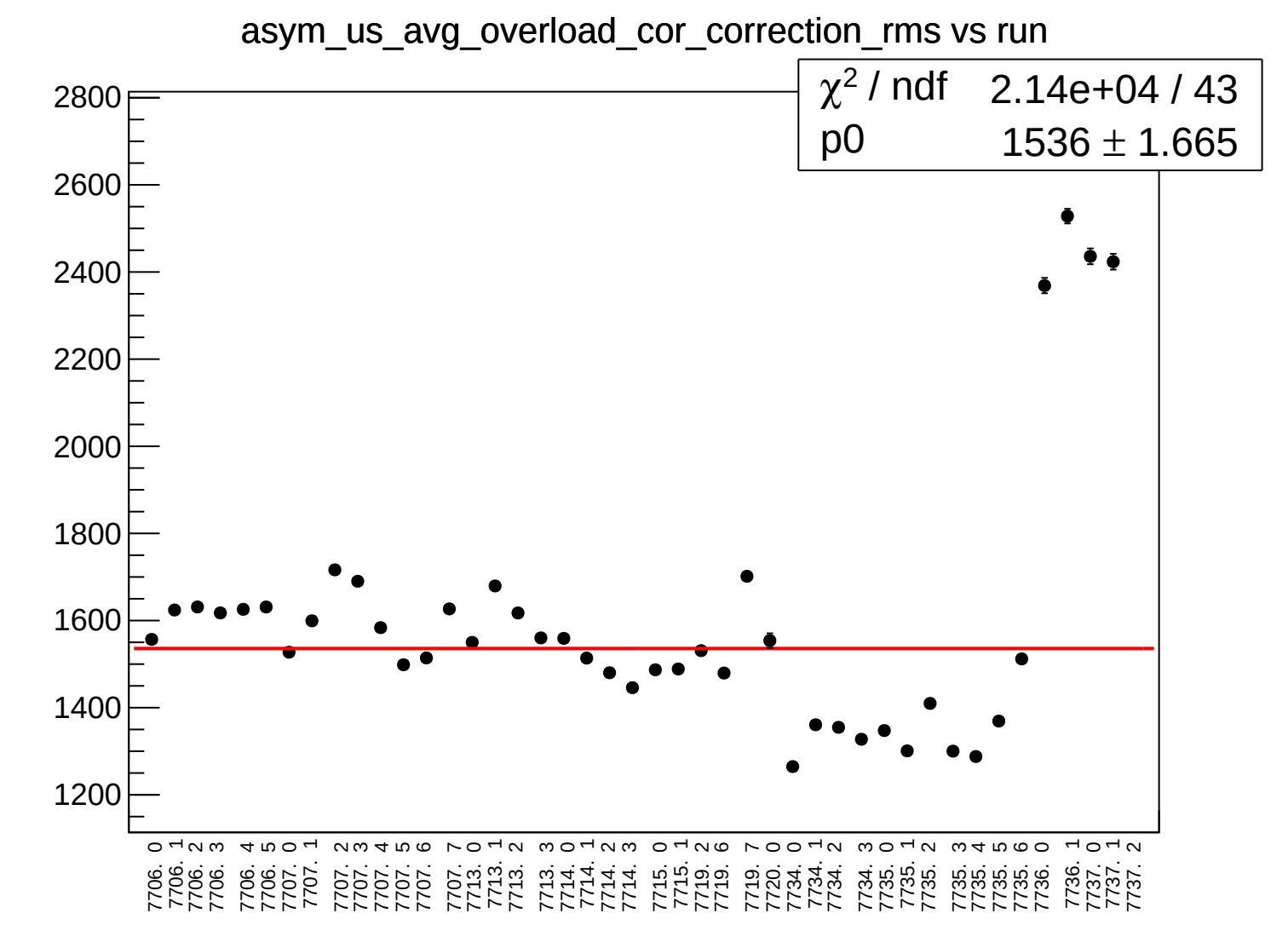

overload_cor_asym_us_avg_mean vs run
χ² / ndf 51.3 / 53
p0 1751 ± 1140
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −45.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

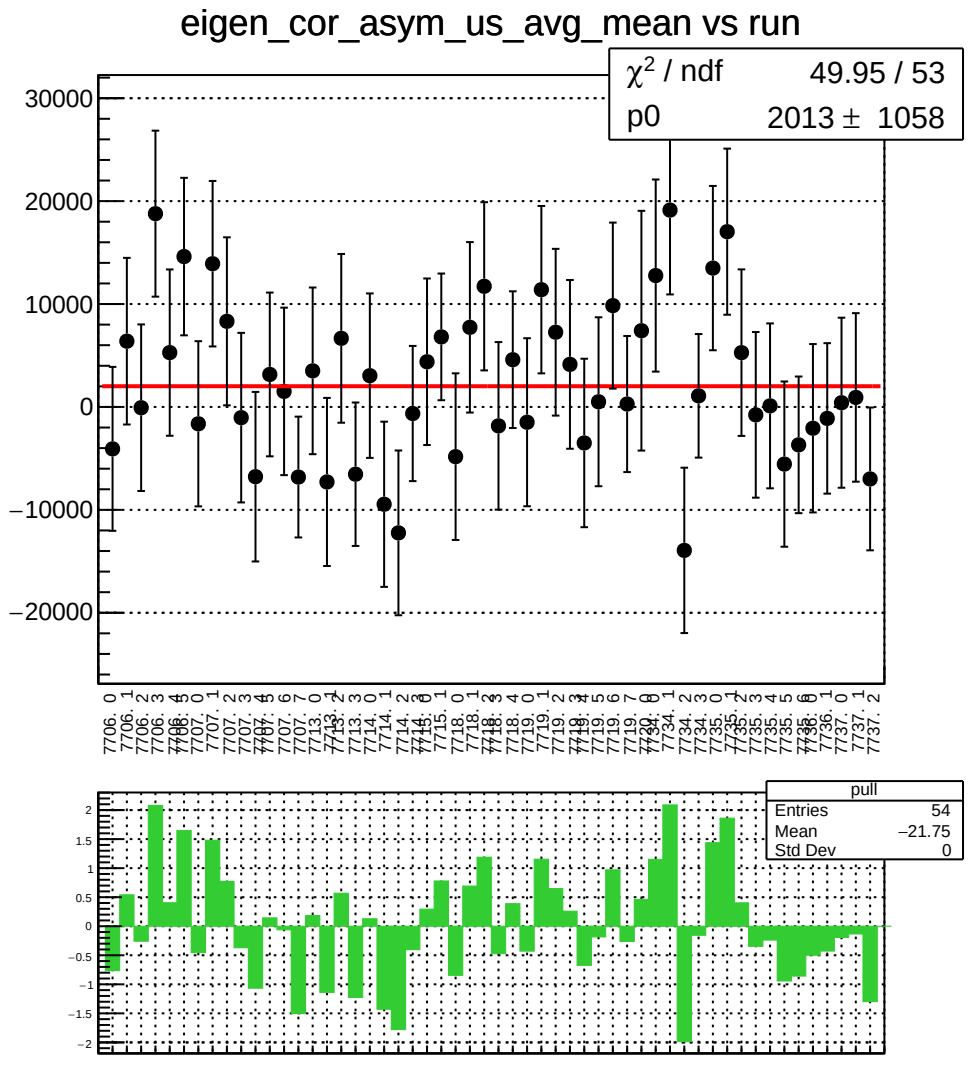

pull1D
Entries 54
Mean 0.0193
Std Dev 0.9745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

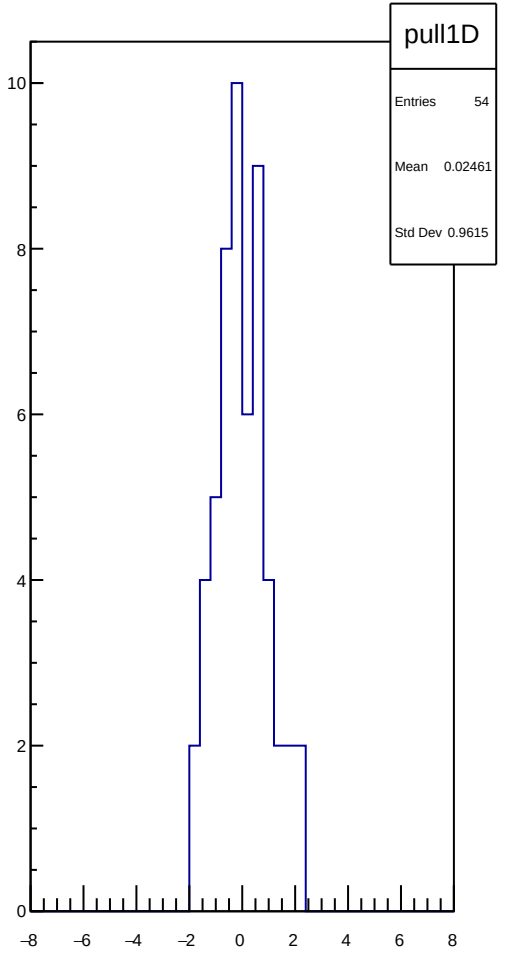

overload_cor_asym_us_avg_rms vs run
χ² / ndf 5.759e+04 / 53
p0 808.1 ± 0.8064
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

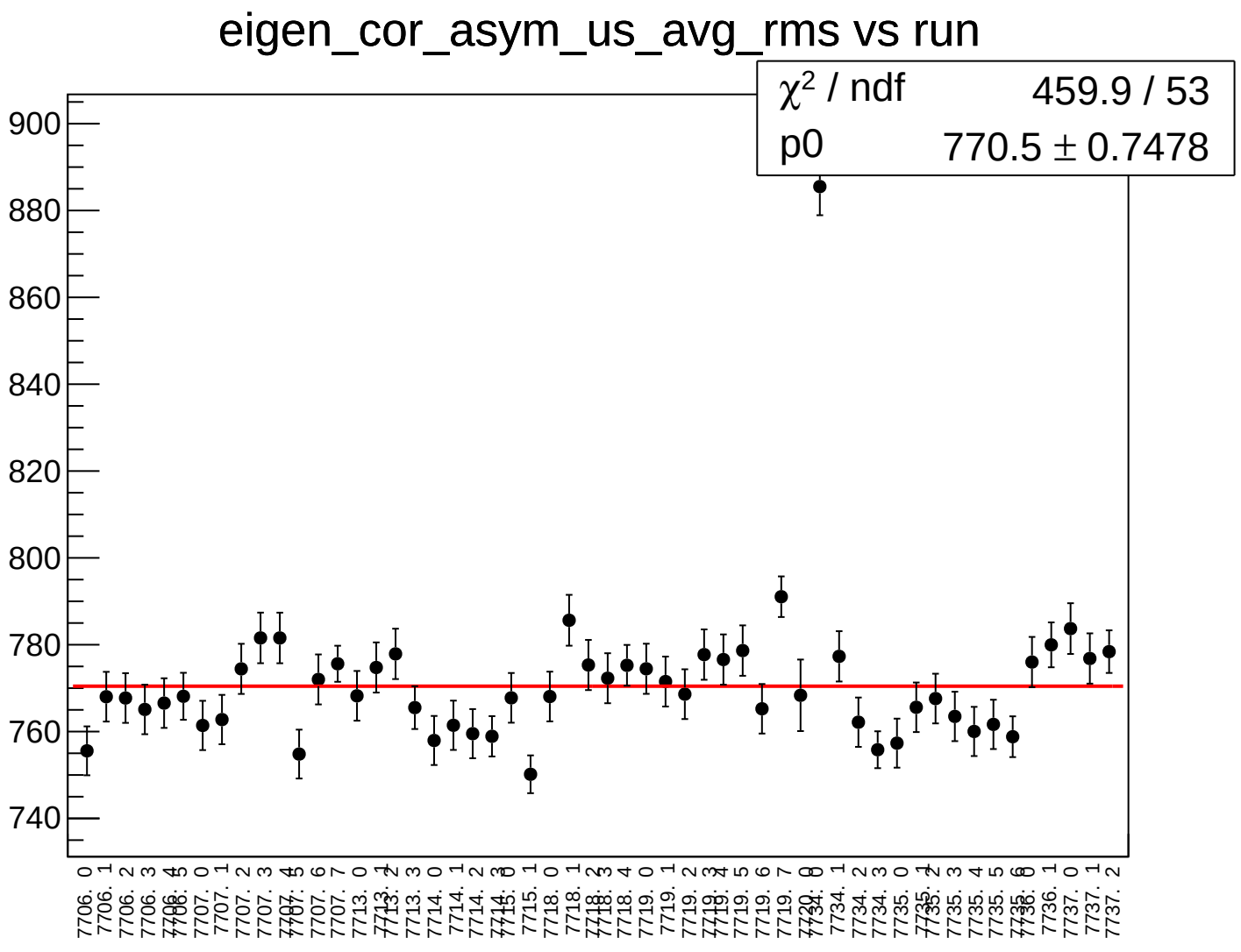

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 51.75 / 43
p0 82.63 ± 2354
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 44
Mean 197.8
Std Dev 0
2
1
0
−1
−2
−3

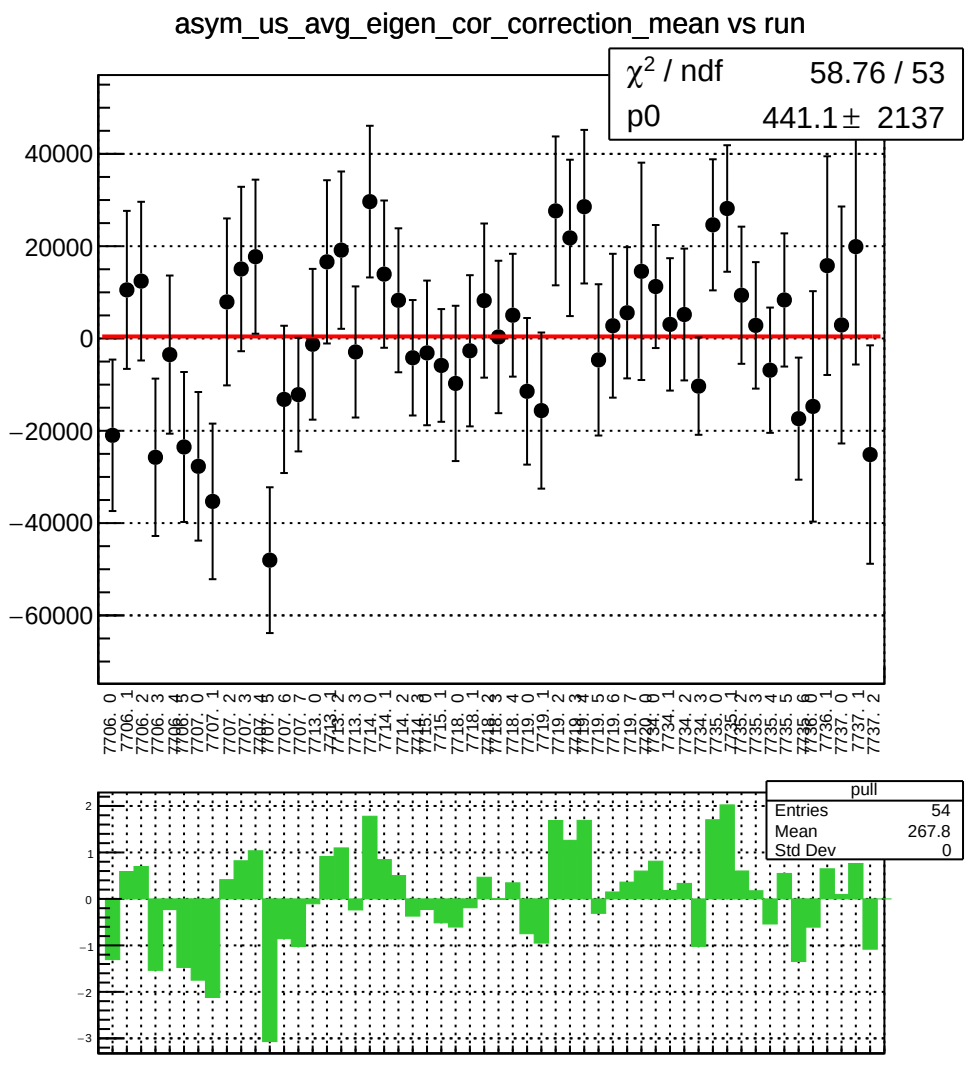

pull1D
Entries 44
Mean 0.01982
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

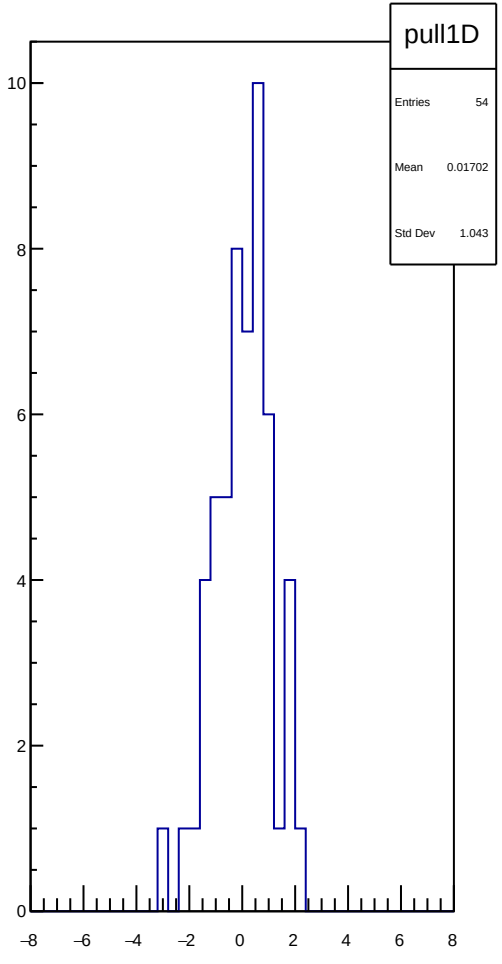

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2.14e+04 / 43
p0 1536 ± 1.665
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

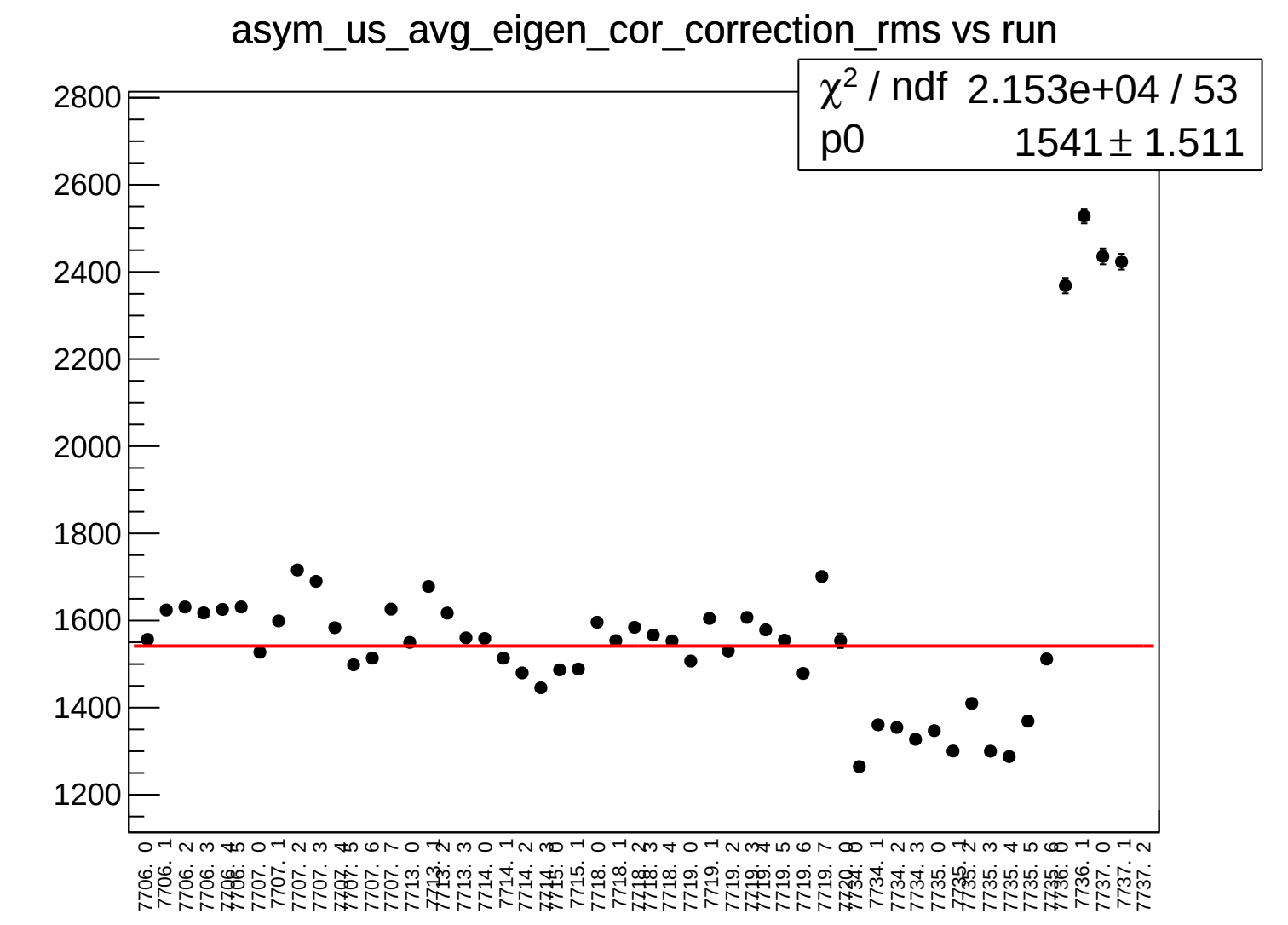

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 49.95 / 53
p0 2013 ± 1058
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −21.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

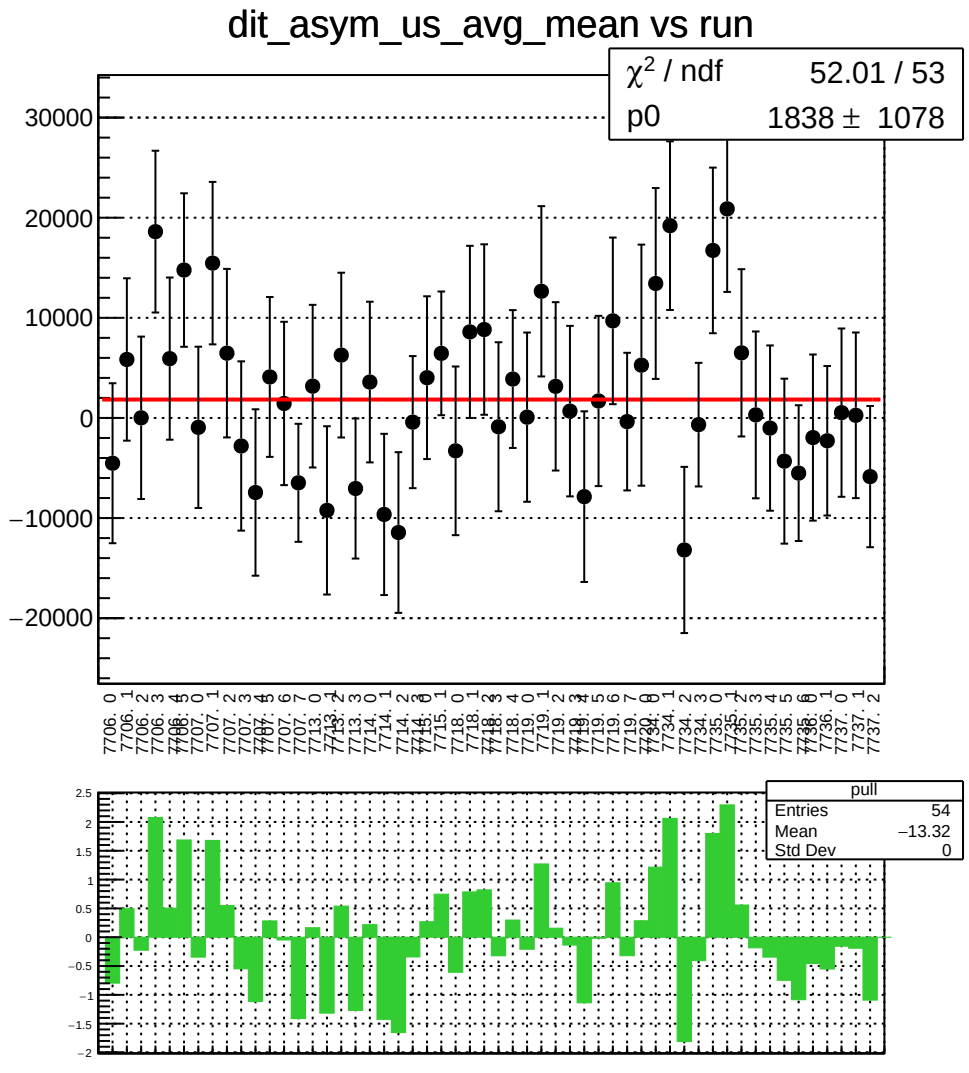

pull1D
Entries 54
Mean 0.02461
Std Dev 0.9615
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

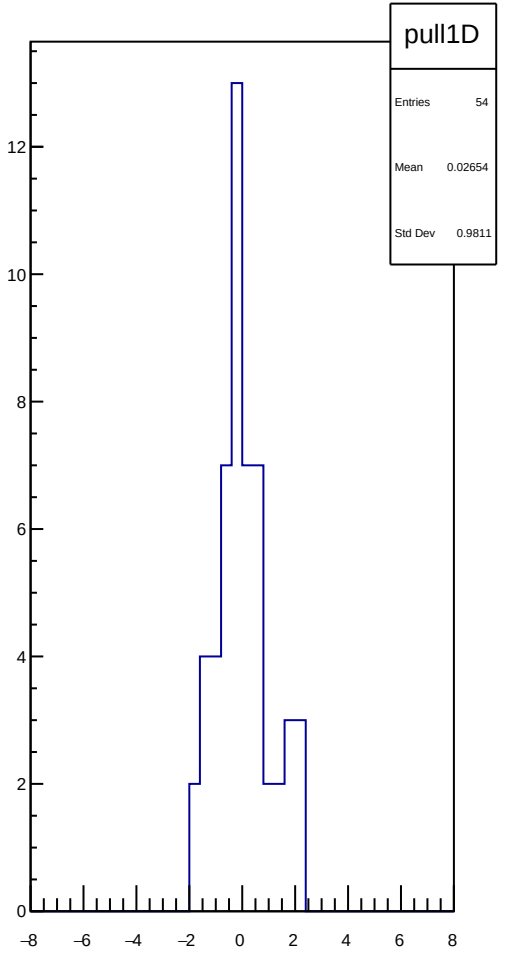

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 459.9 / 53
p0 770.5 ± 0.7478
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

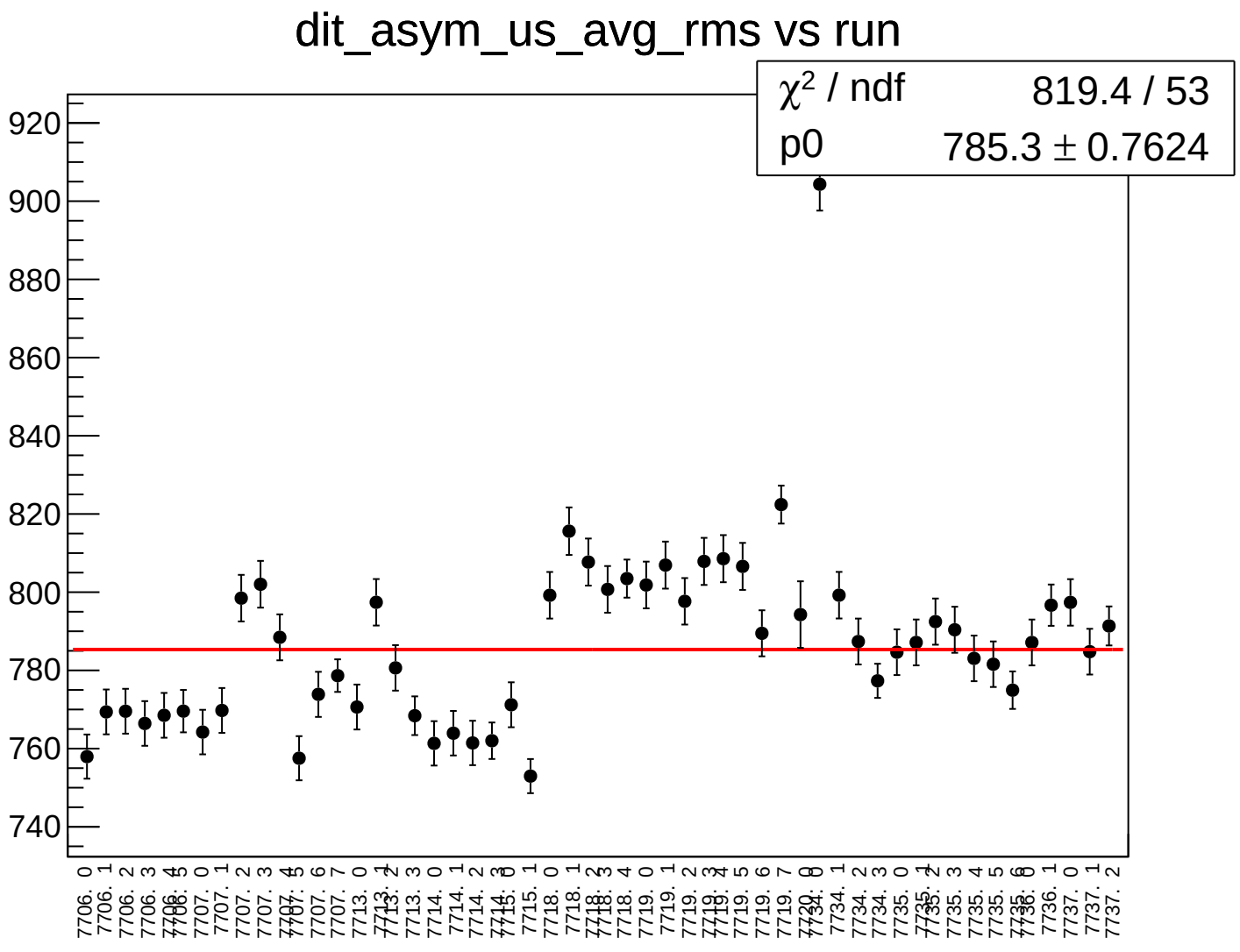

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.76 / 53
p0 441.1 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 267.8
Std Dev 0
2
1
0
−1
−2
−3

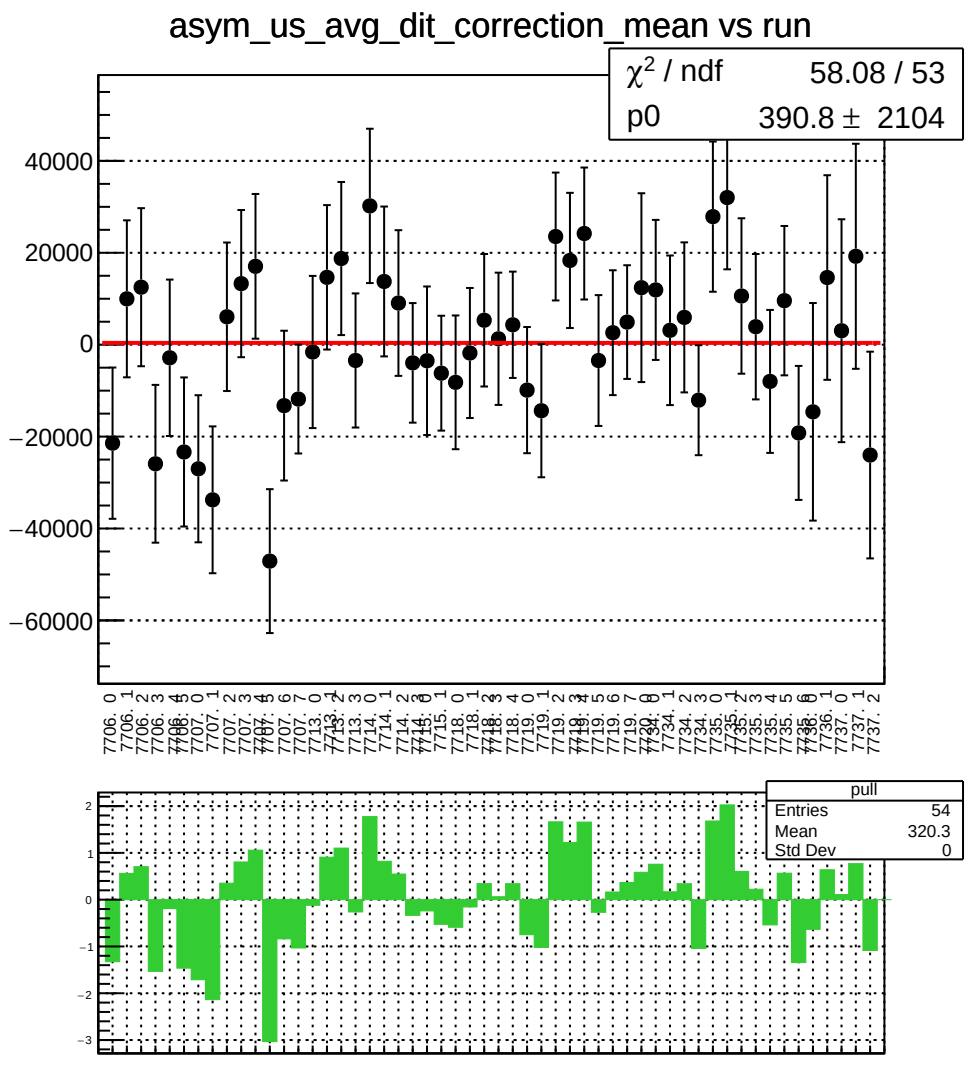

pull1D
Entries 54
Mean 0.01702
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

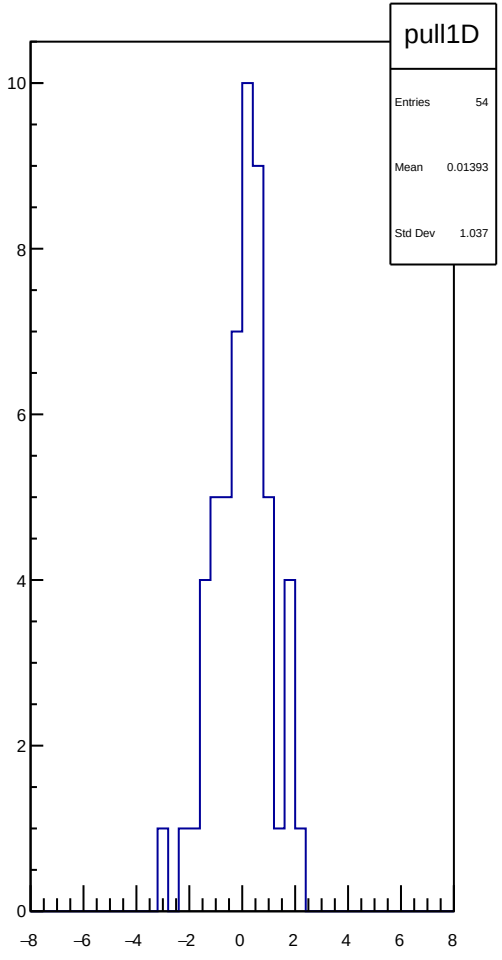

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.153e+04 / 53
p0 1541 ± 1.511
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

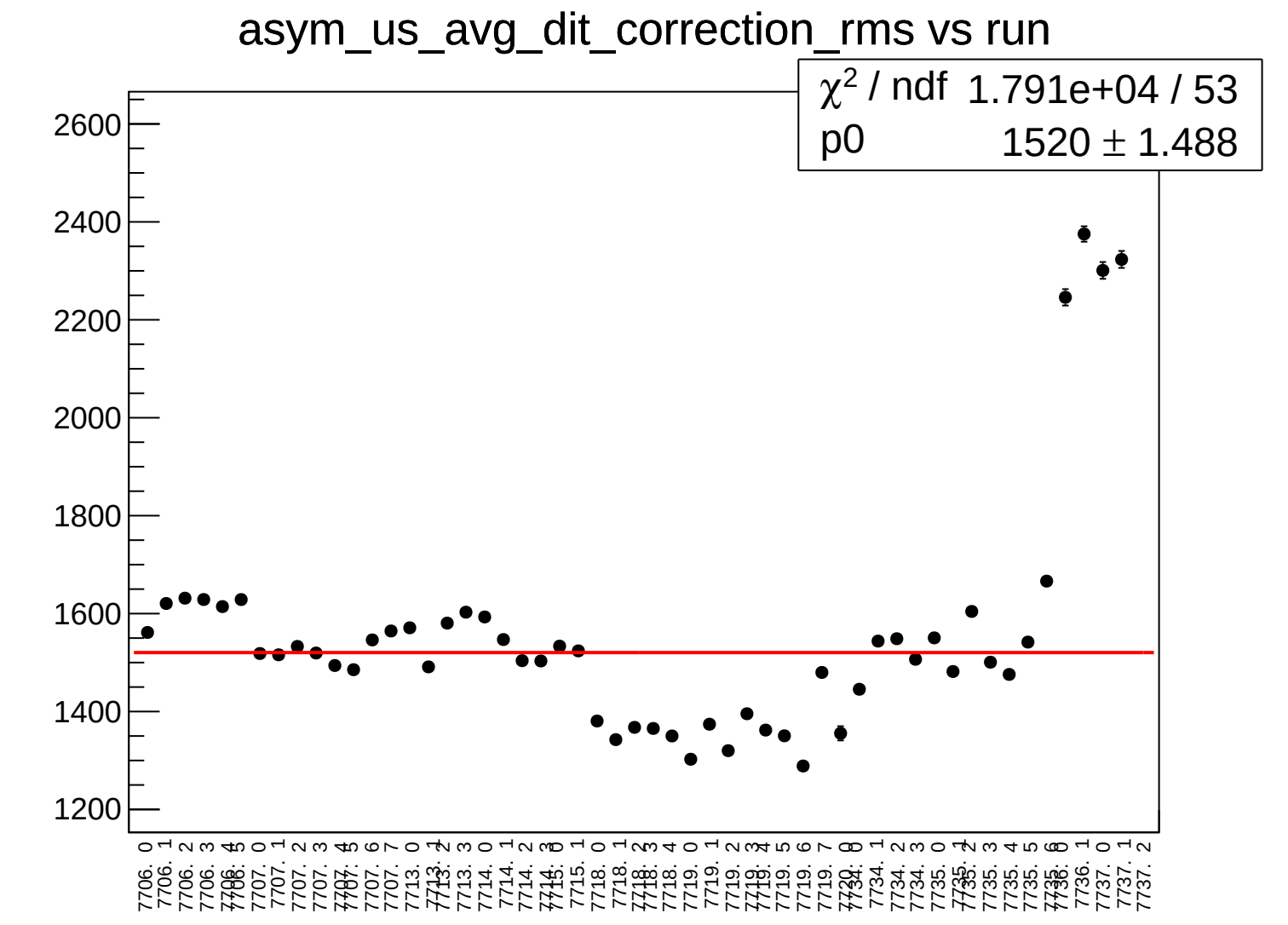

dit_asym_us_avg_mean vs run
χ² / ndf 52.01 / 53
p0 1838 ± 1078
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −13.32
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

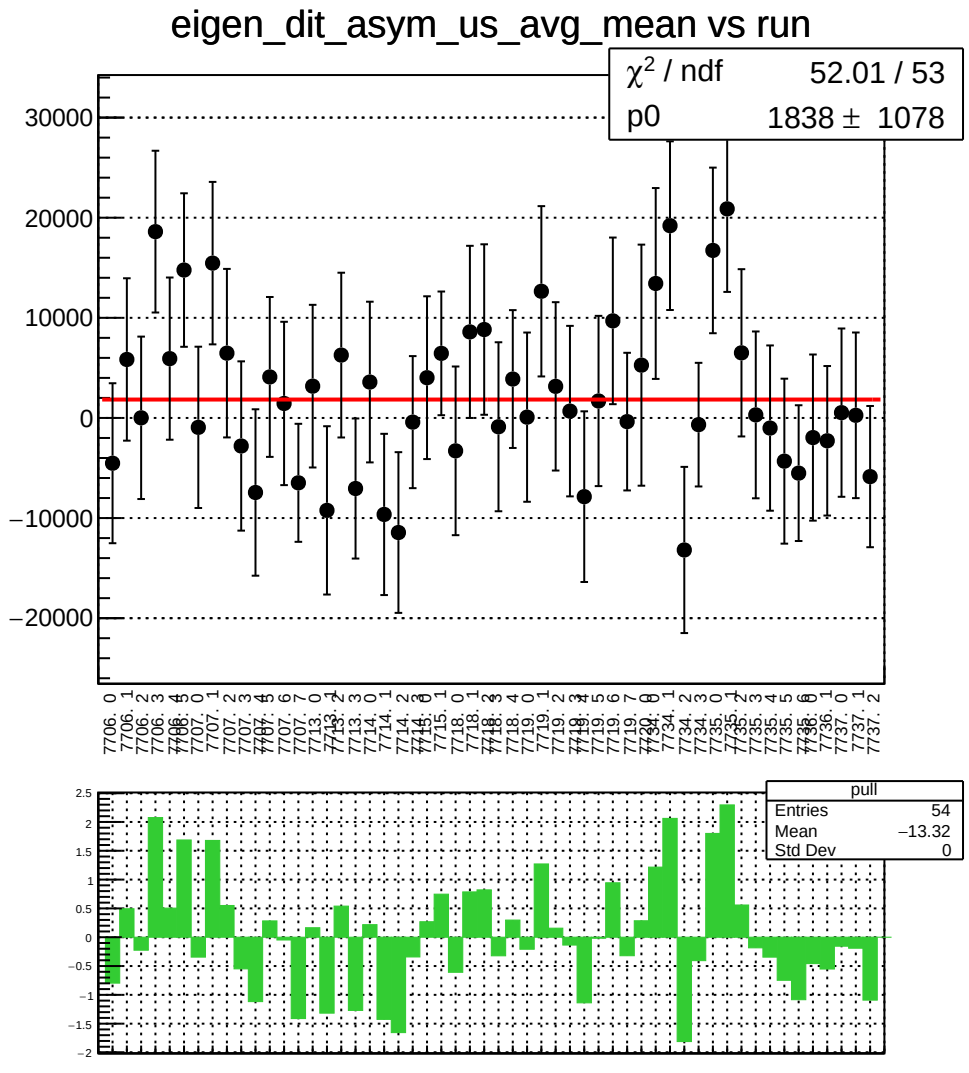

pull1D
Entries 54
Mean 0.02654
Std Dev 0.9811
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

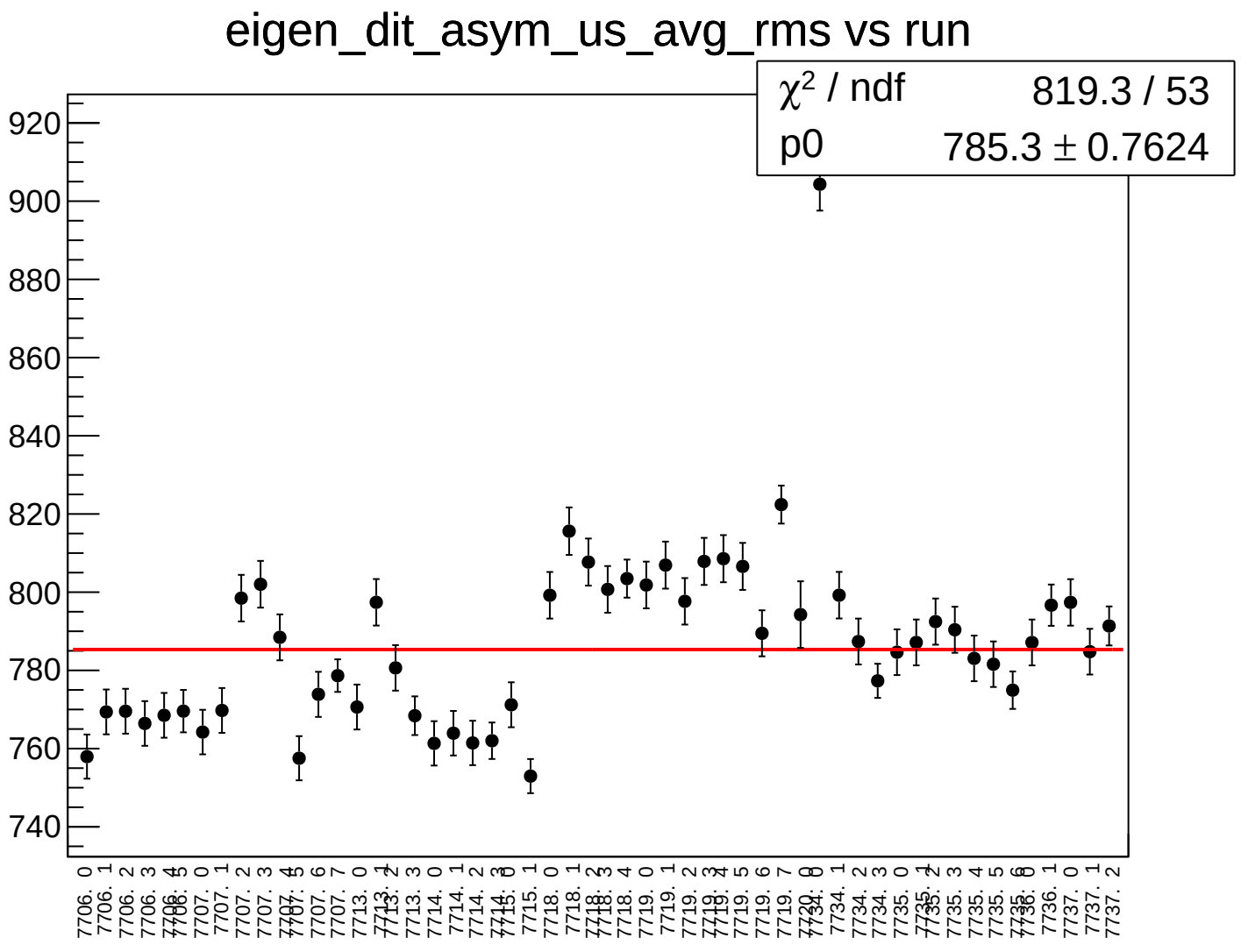

dit_asym_us_avg_rms vs run
χ² / ndf 819.4 / 53
p0 785.3 ± 0.7624
920
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

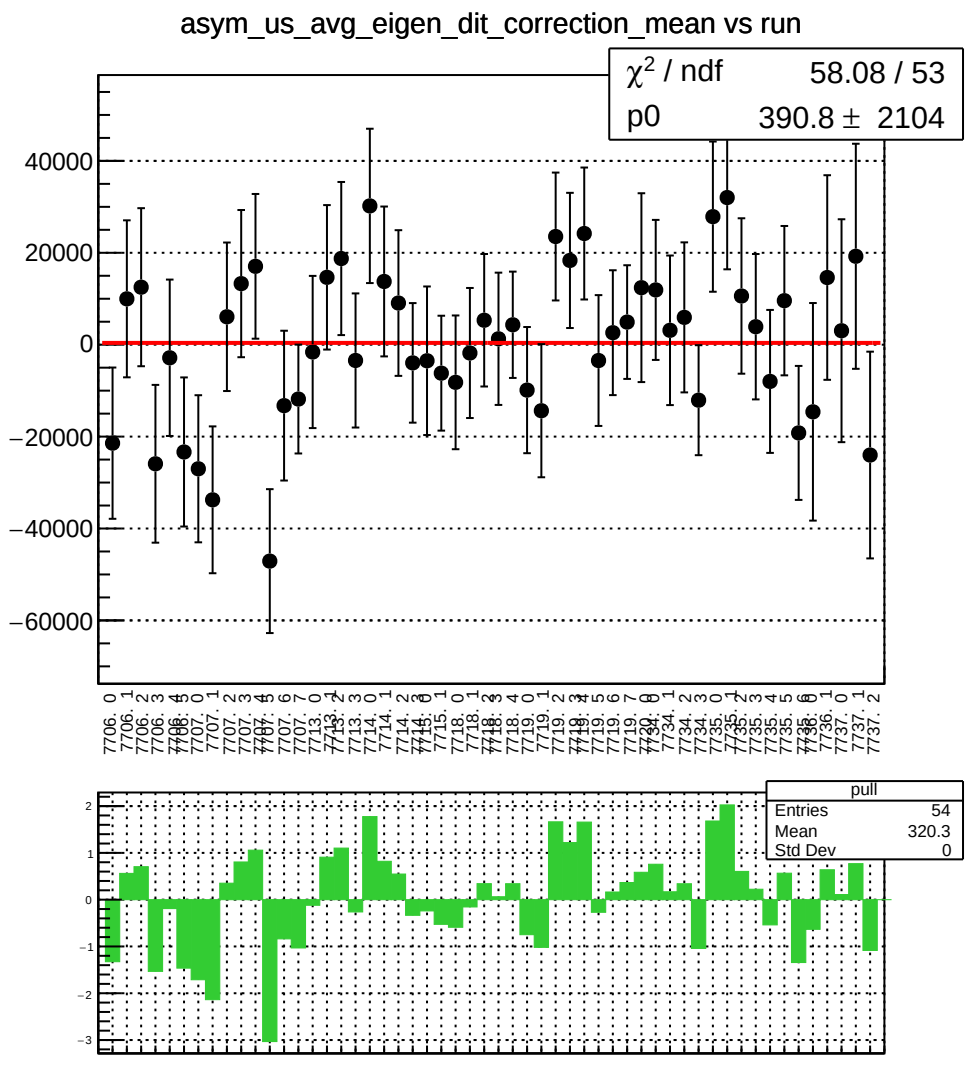

asym_us_avg_dit_correction_mean vs run
χ² / ndf 58.08 / 53
p0 390.8 ± 2104
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 320.3
Std Dev 0
2
1
0
−1
−2
−3

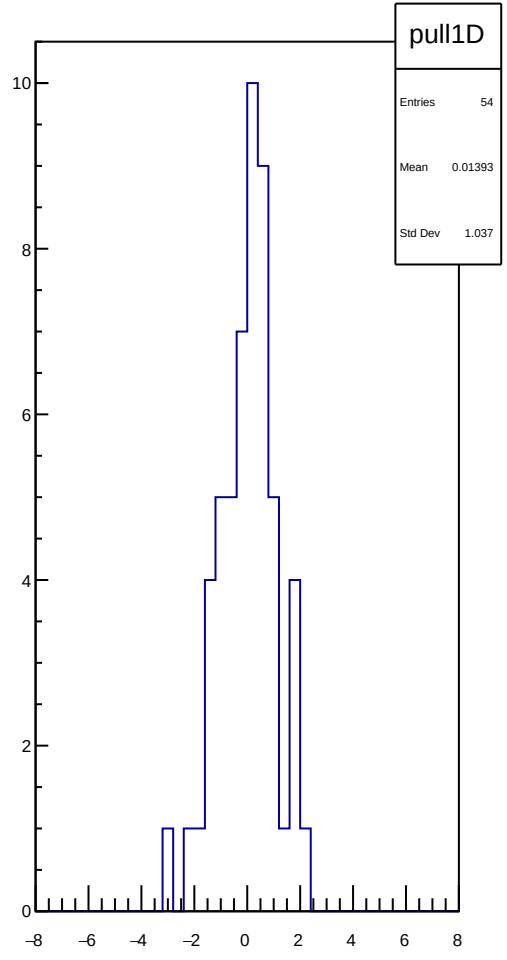

pull1D
Entries 54
Mean 0.01393
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

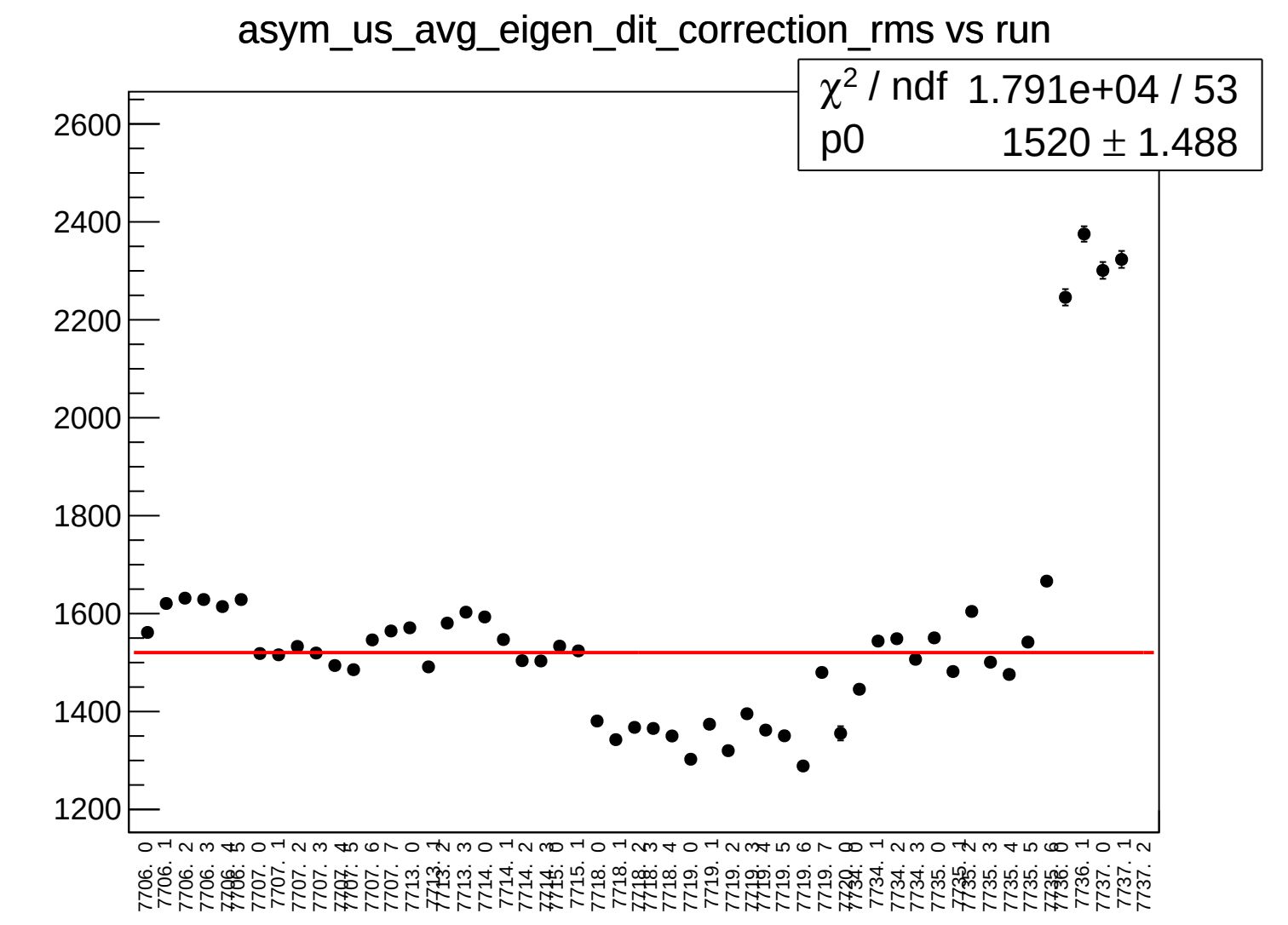

asym_us_avg_dit_correction_rms vs run
χ² / ndf 1.791e+04 / 53
p0 1520 ± 1.488
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

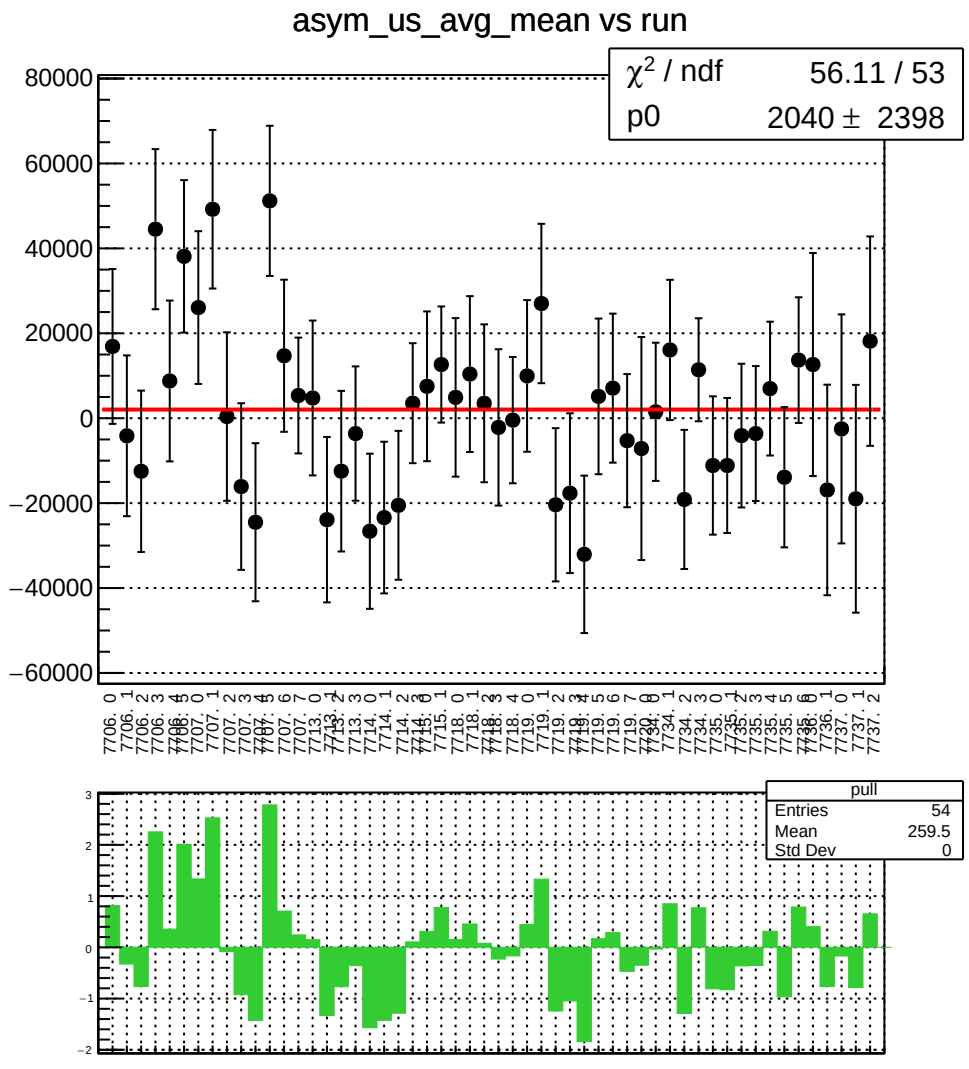

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 52.01 / 53
p0 1838 ± 1078
pull
Entries 54
Mean −13.32
Std Dev 0
pull1D
Entries 54
Mean 0.02654
Std Dev 0.981

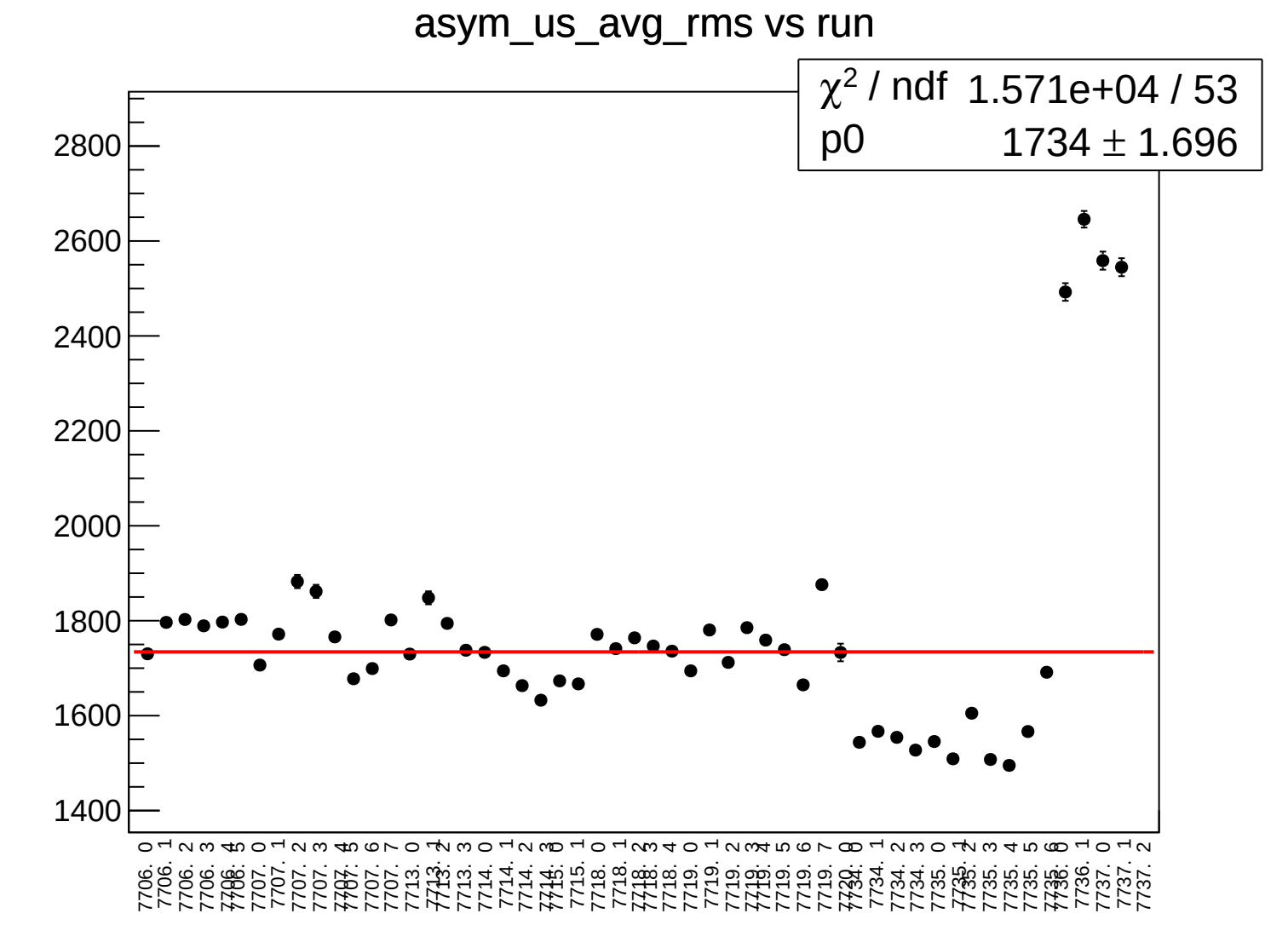

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 819.3 / 53
p0 785.3 ± 0.7624
920
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

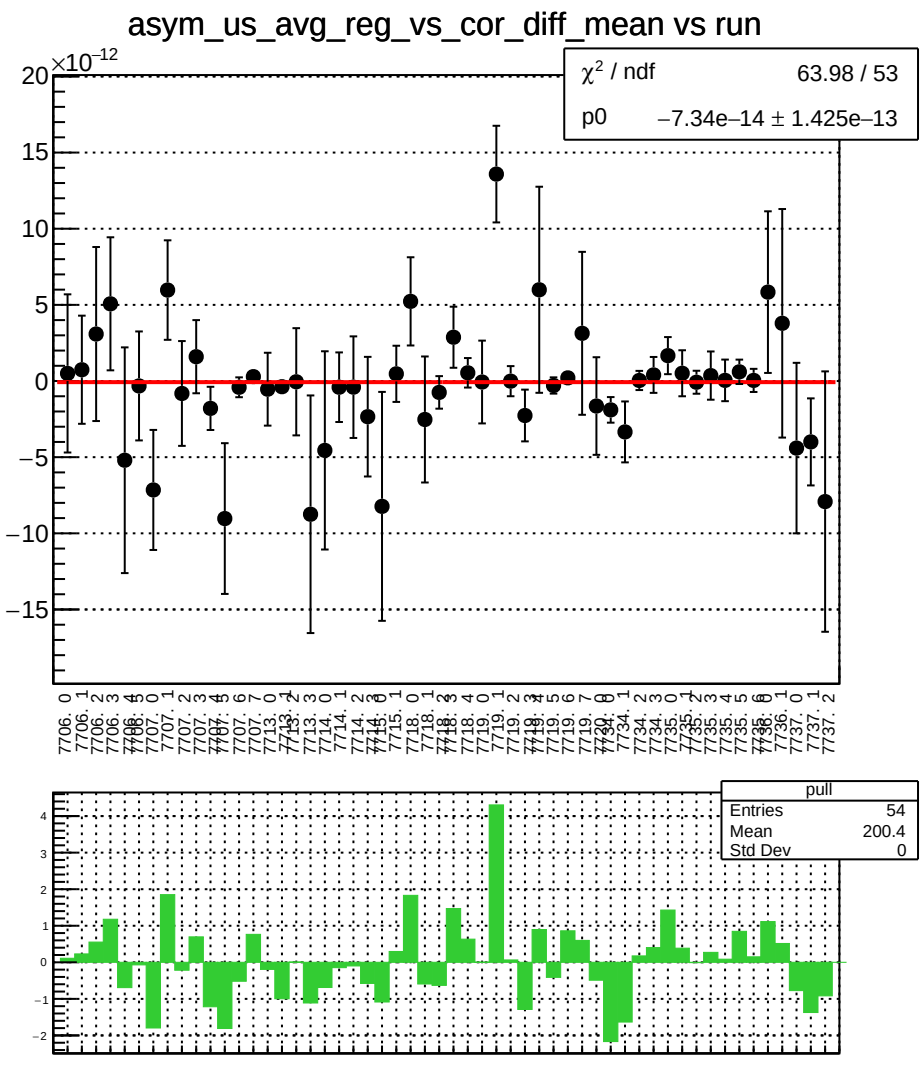

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.08 / 53
p0 390.8 ± 2104
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 320.3
Std Dev 0
2
1
0
−1
−2
−3

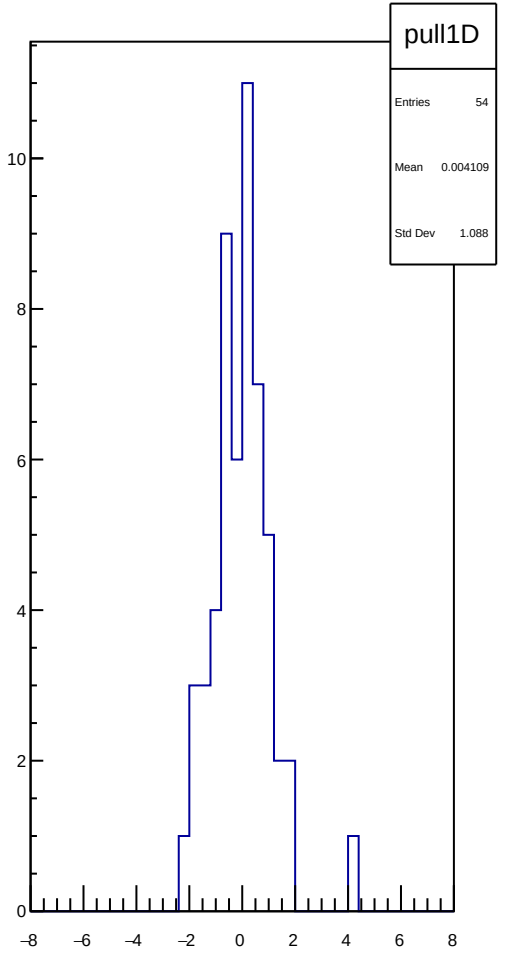

pull1D
Entries 54
Mean 0.01393
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

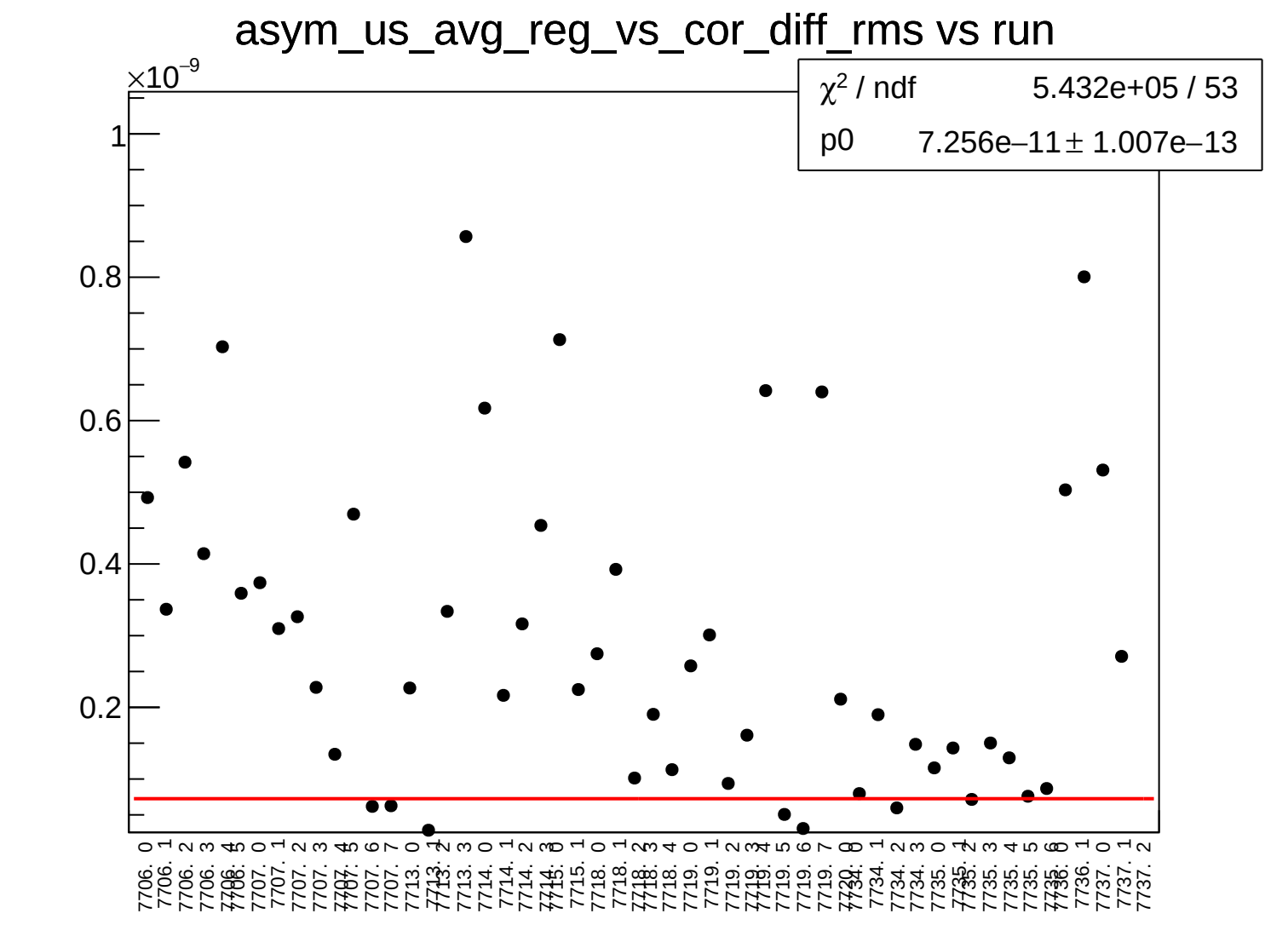

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.791e+04 / 53
p0 1520 ± 1.488
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

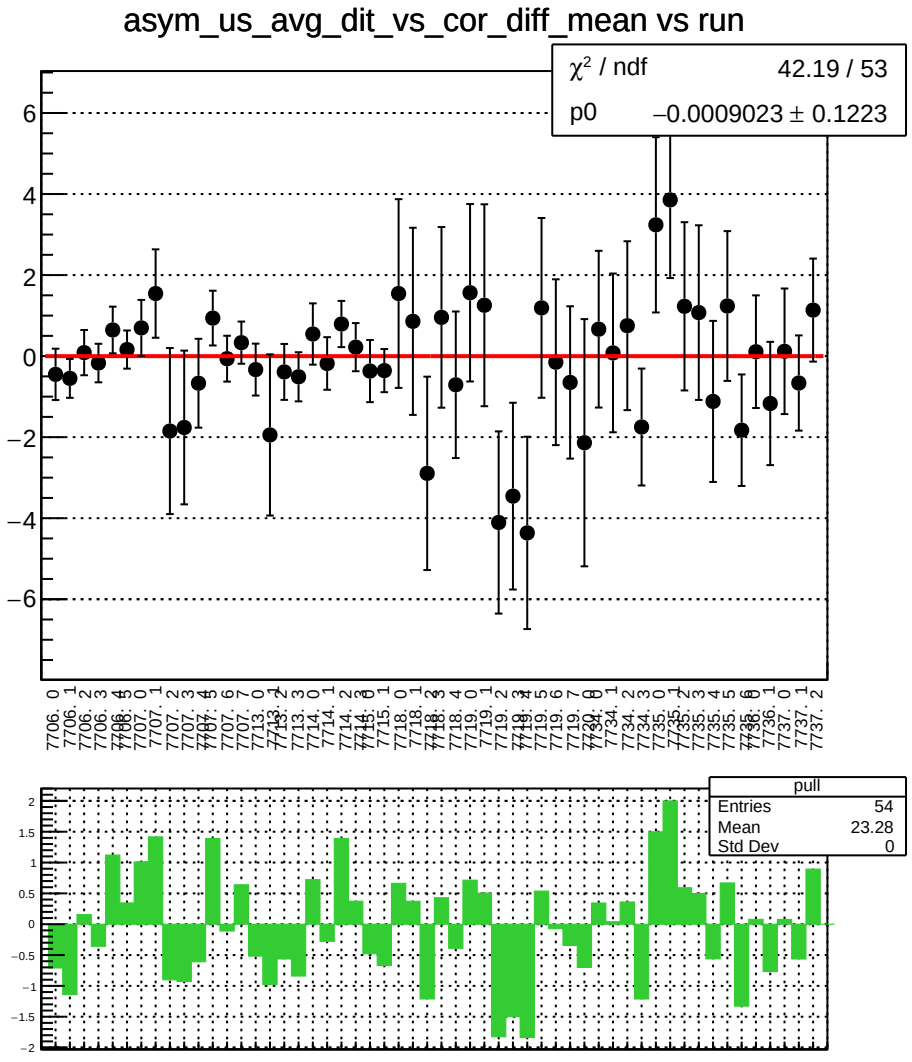

asym_us_avg_mean vs run
χ² / ndf 56.11 / 53
p0 2040 ± 2398
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 259.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01665
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

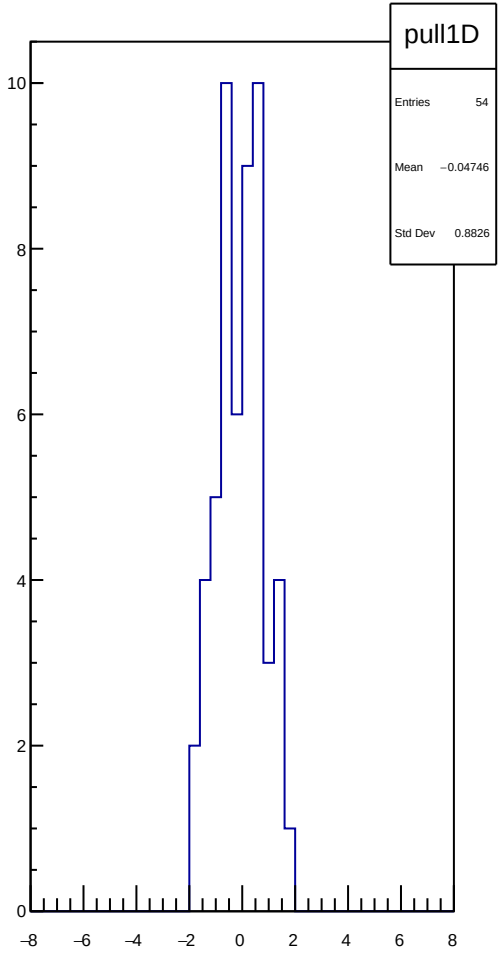

asym_us_avg_rms vs run
χ² / ndf 1.571e+04 / 53
p0 1734 ± 1.696
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

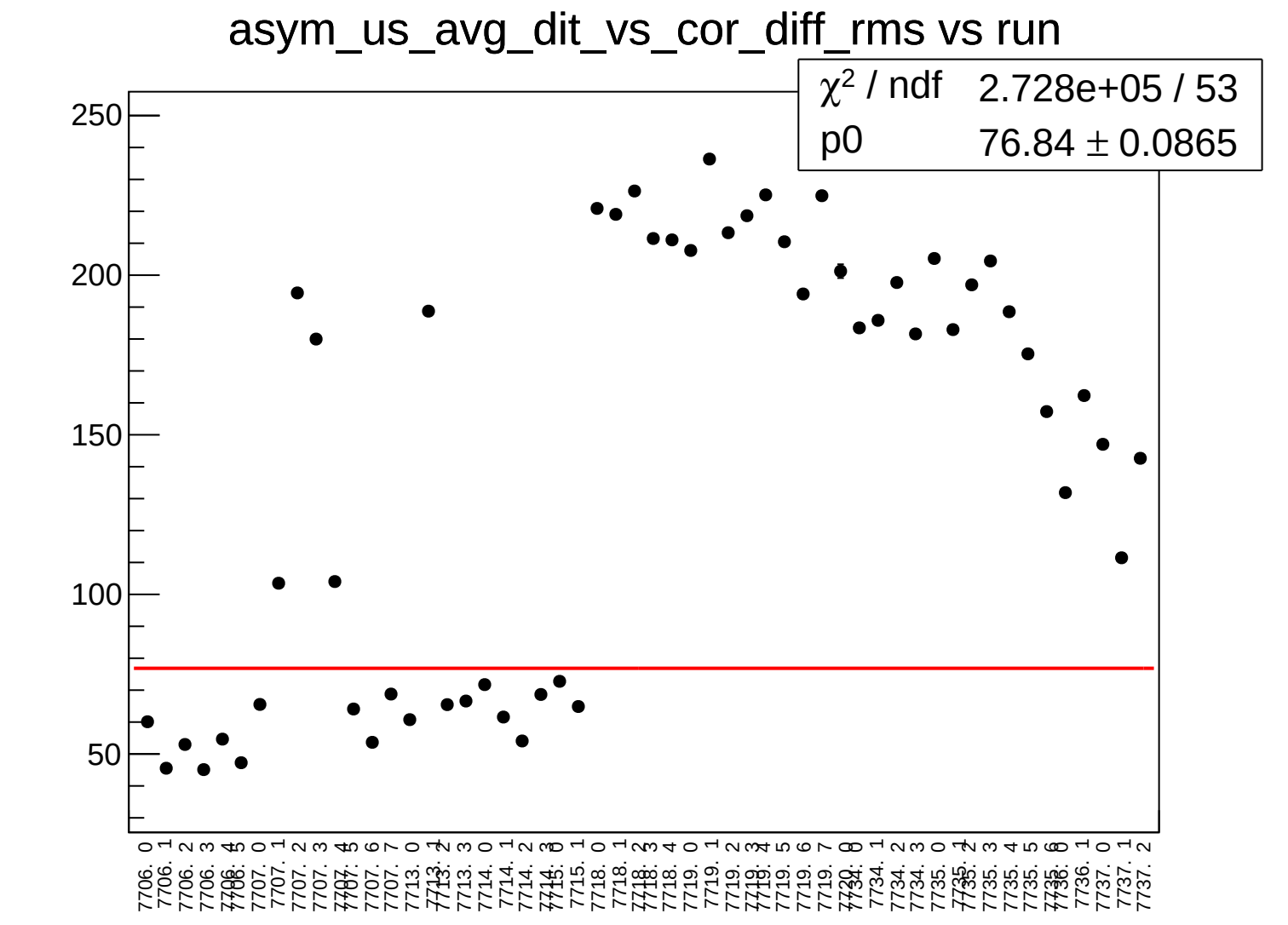

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.98 / 53
p0 −7.34e−14 ± 1.425e−13
pull
Entries 54
Mean 200.4
Std Dev 0

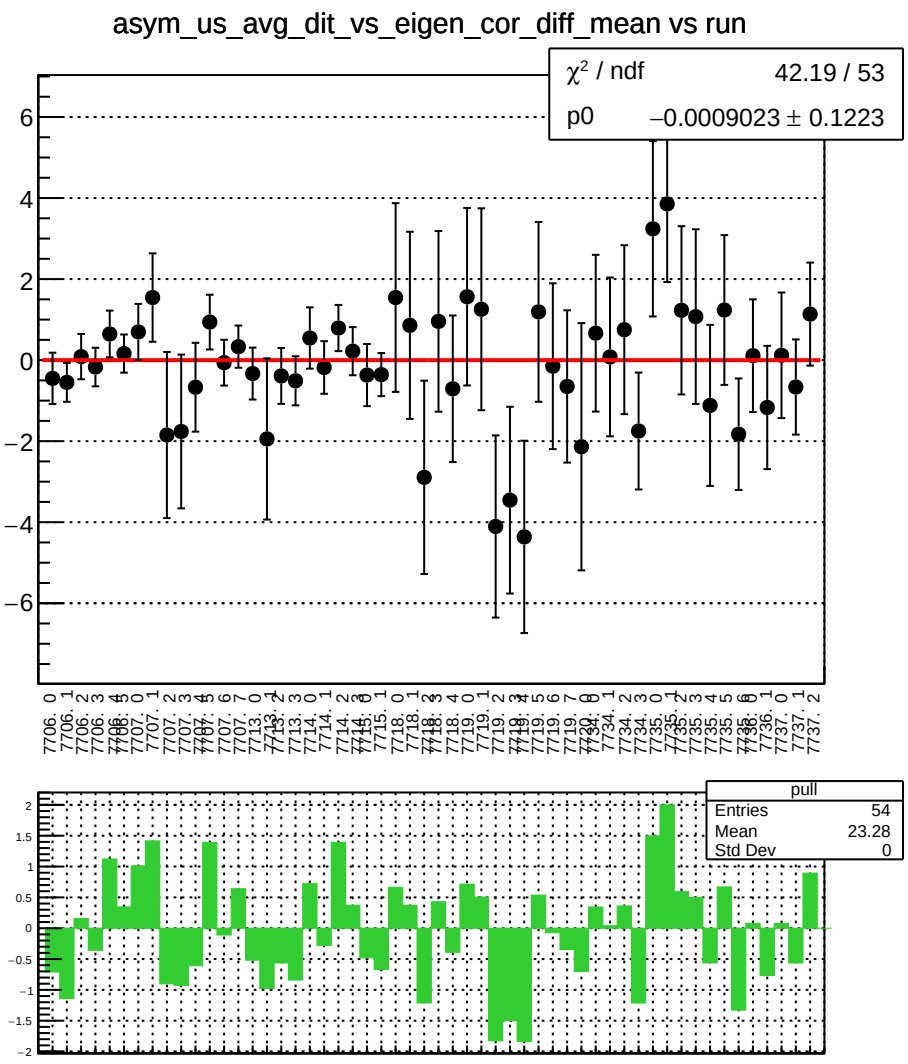

pull1D
Entries 54
Mean 0.004109
Std Dev 1.088

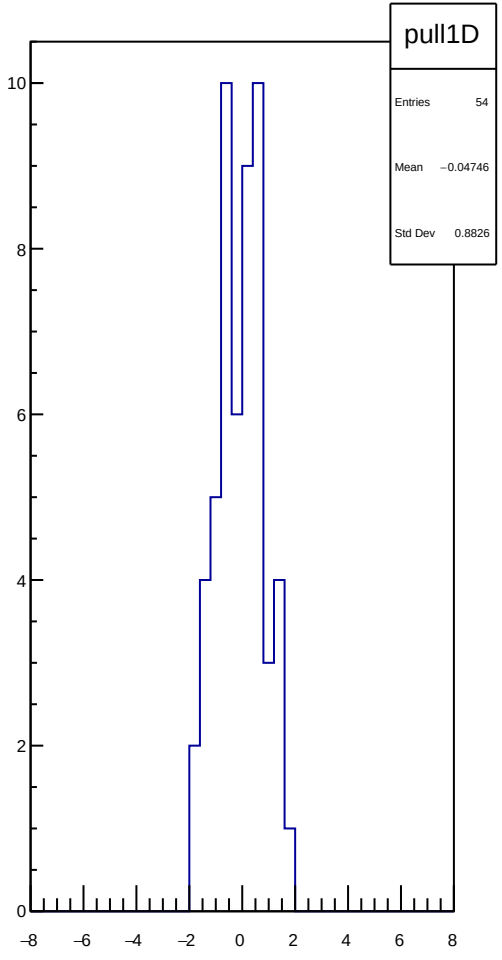

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.432e+05 / 53
p0 7.256e−11 ± 1.007e−13
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

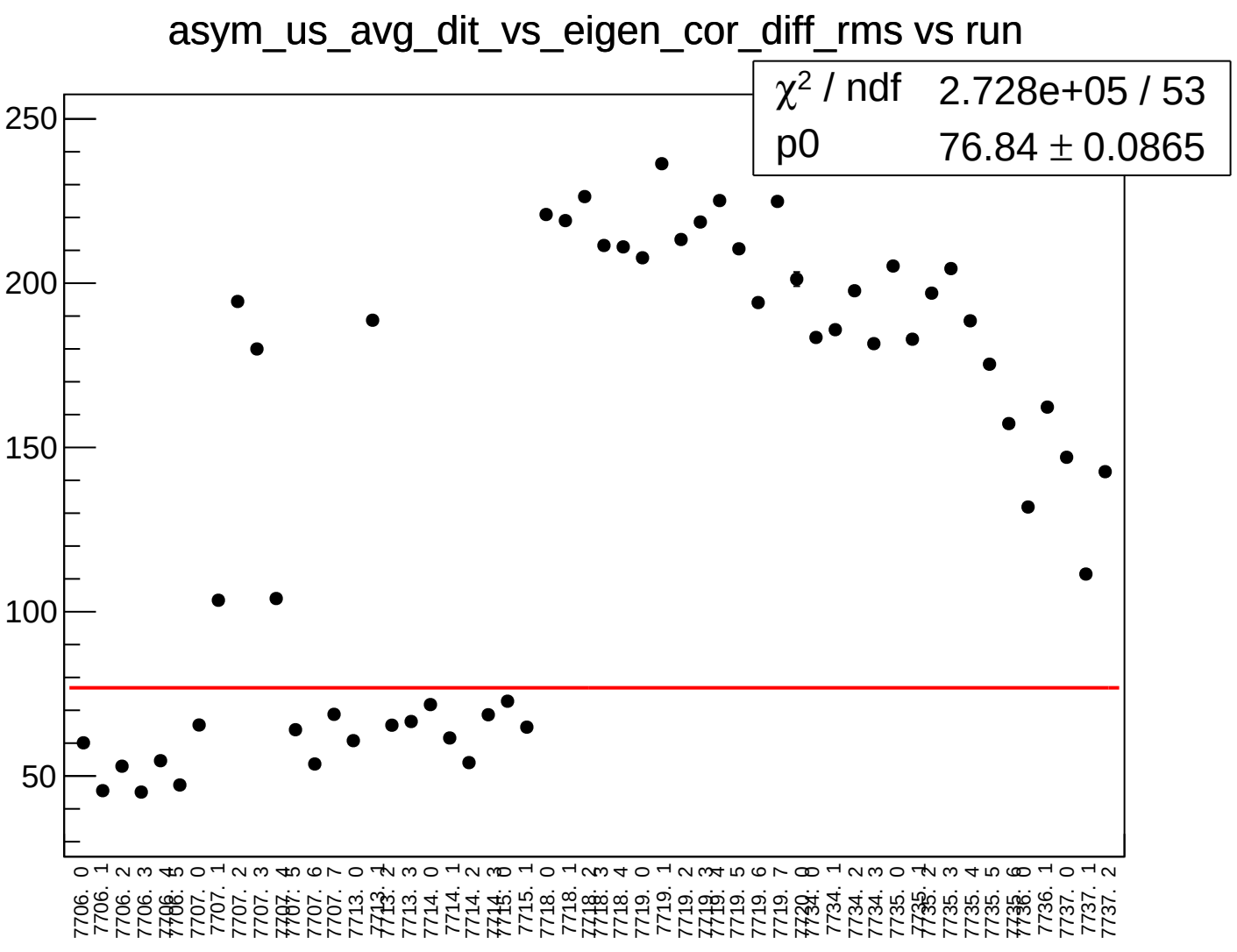

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.19 / 53
p0 −0.0009023 ± 0.1223
pull
Entries 54
Mean 23.28
Std Dev 0

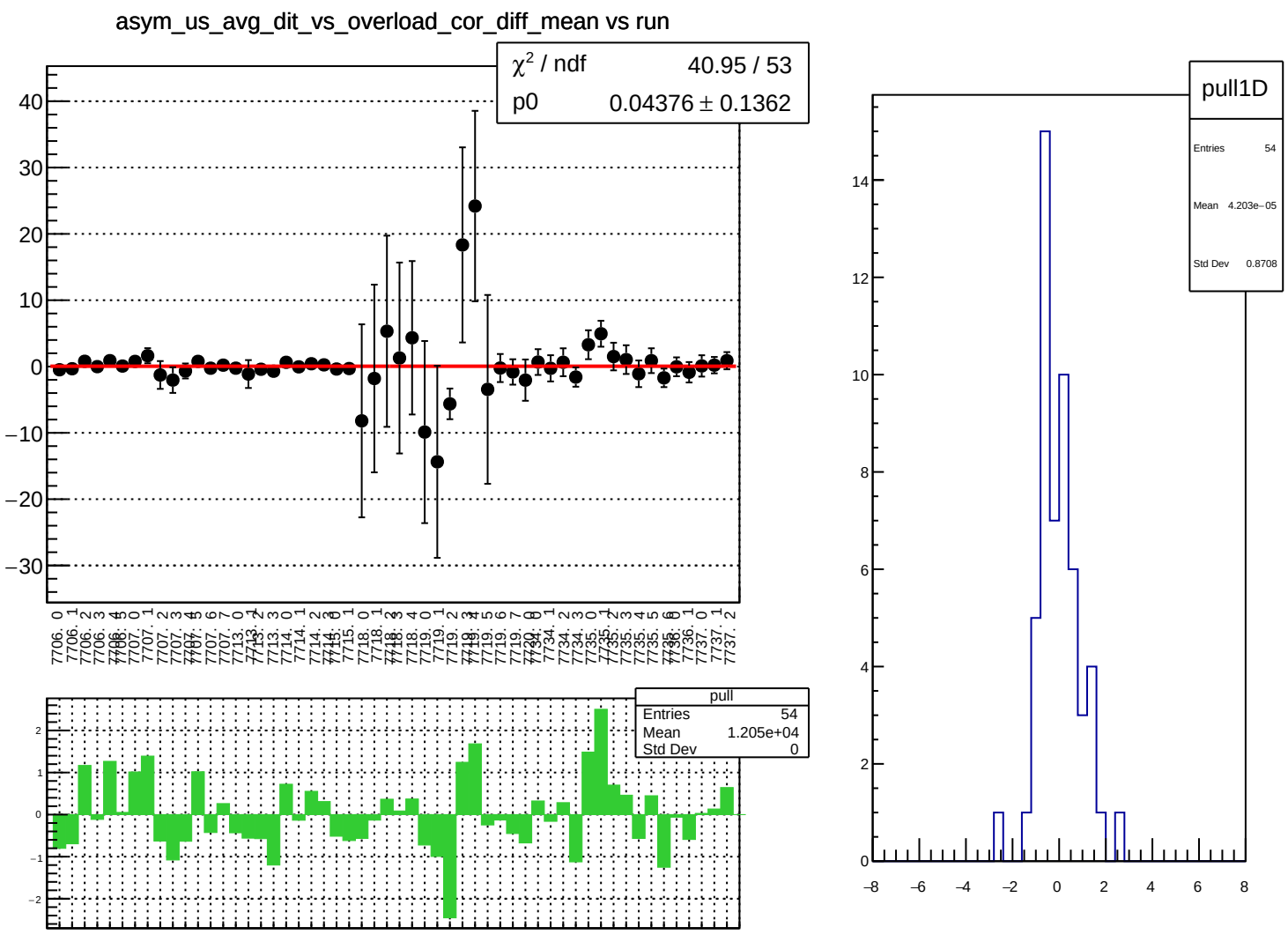

pull1D
Entries 54
Mean −0.04746
Std Dev 0.8826

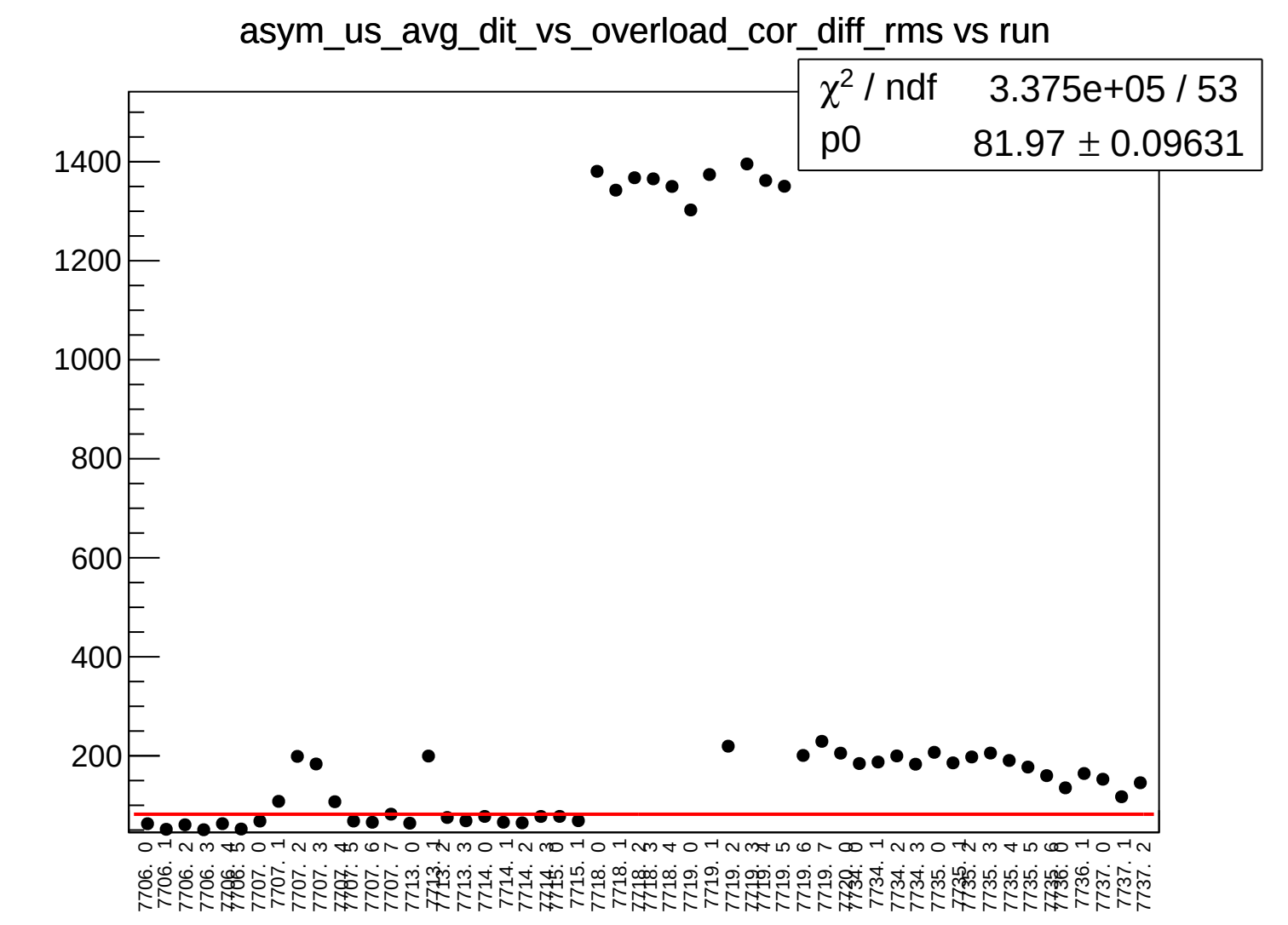

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.728e+05 / 53
p0 76.84 ± 0.0865
250
200
150
100
50

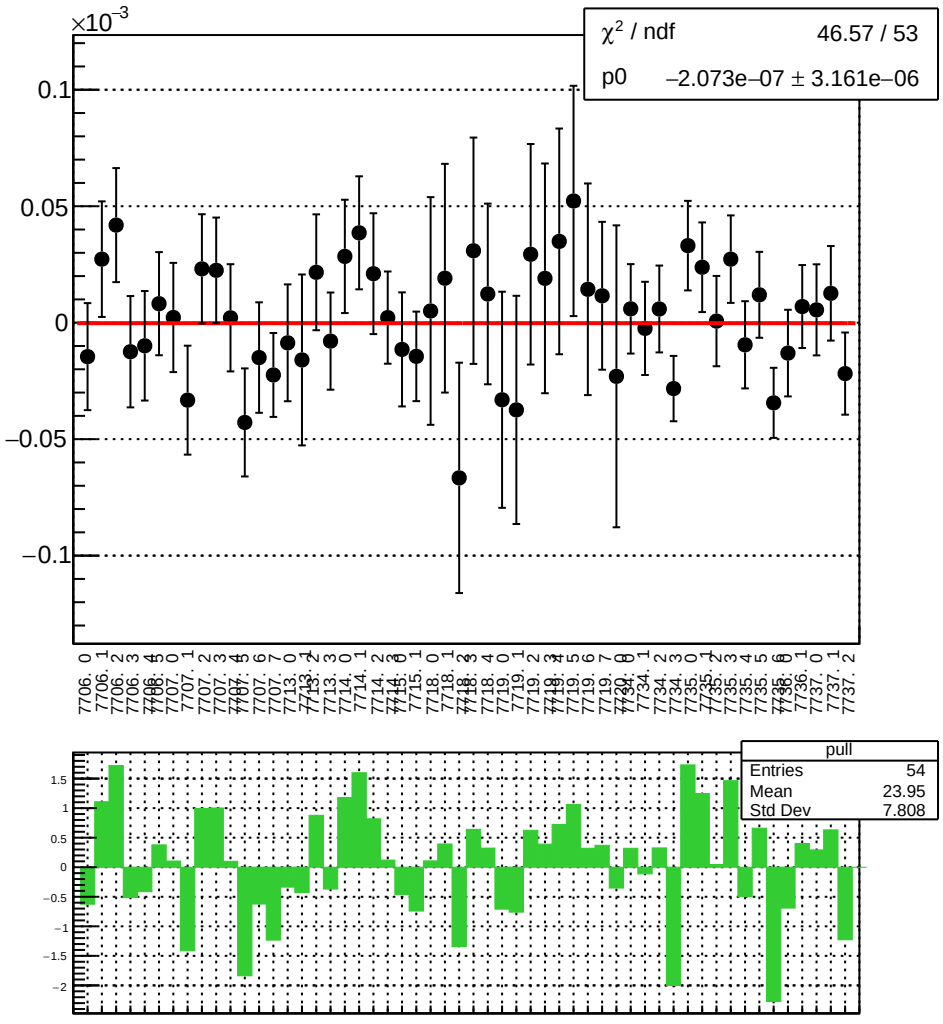

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.19 / 53
p0 −0.0009023 ± 0.1223
pull
Entries 54
Mean 23.28
Std Dev 0

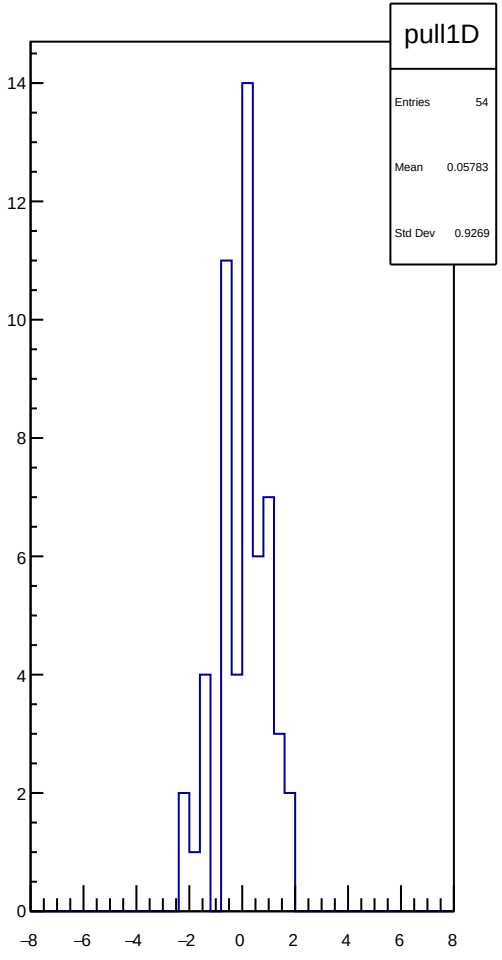

pull1D
Entries 54
Mean −0.04746
Std Dev 0.8826

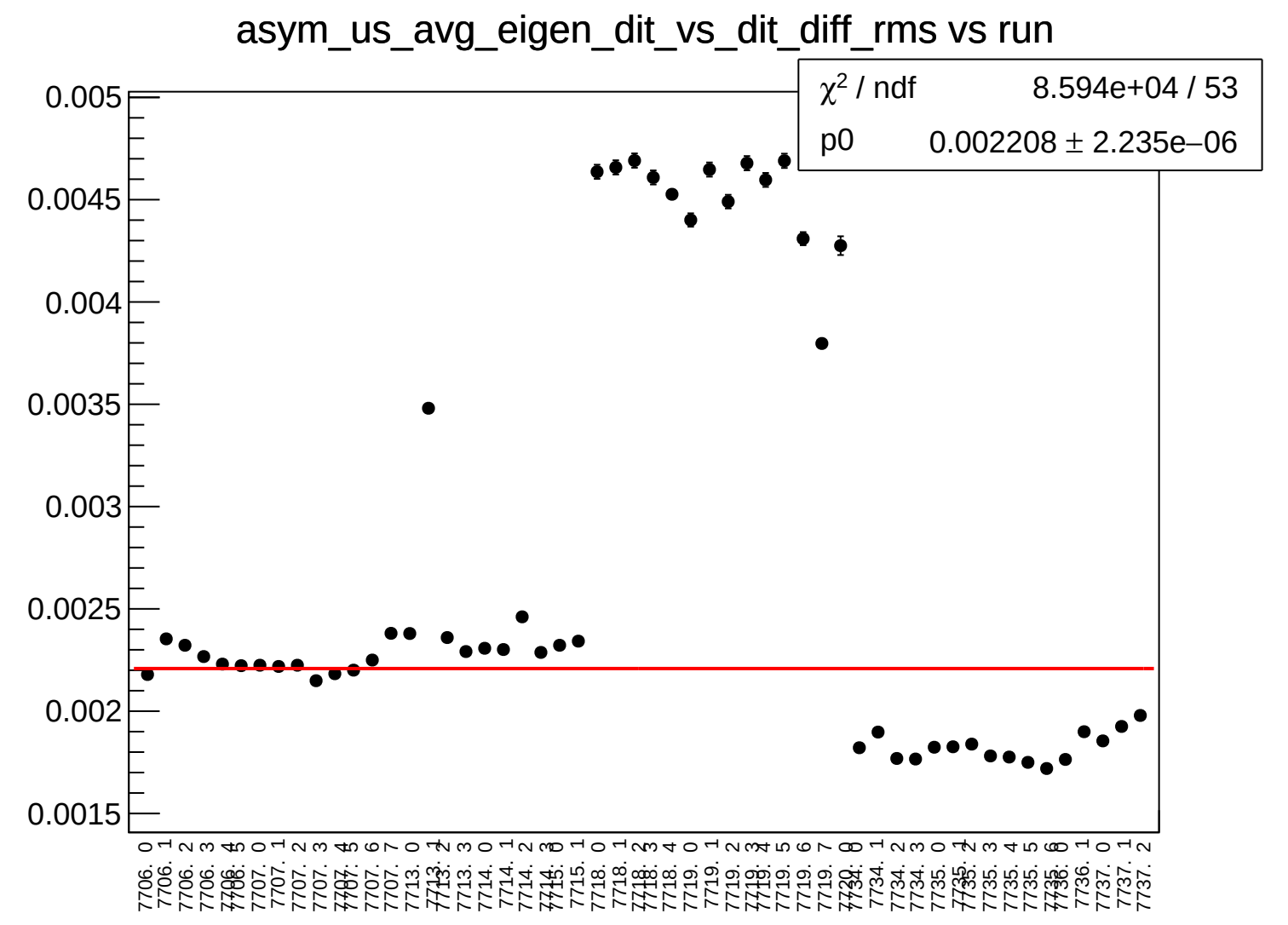

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.728e+05 / 53
p0 76.84 ± 0.0865
250
200
150
100
50

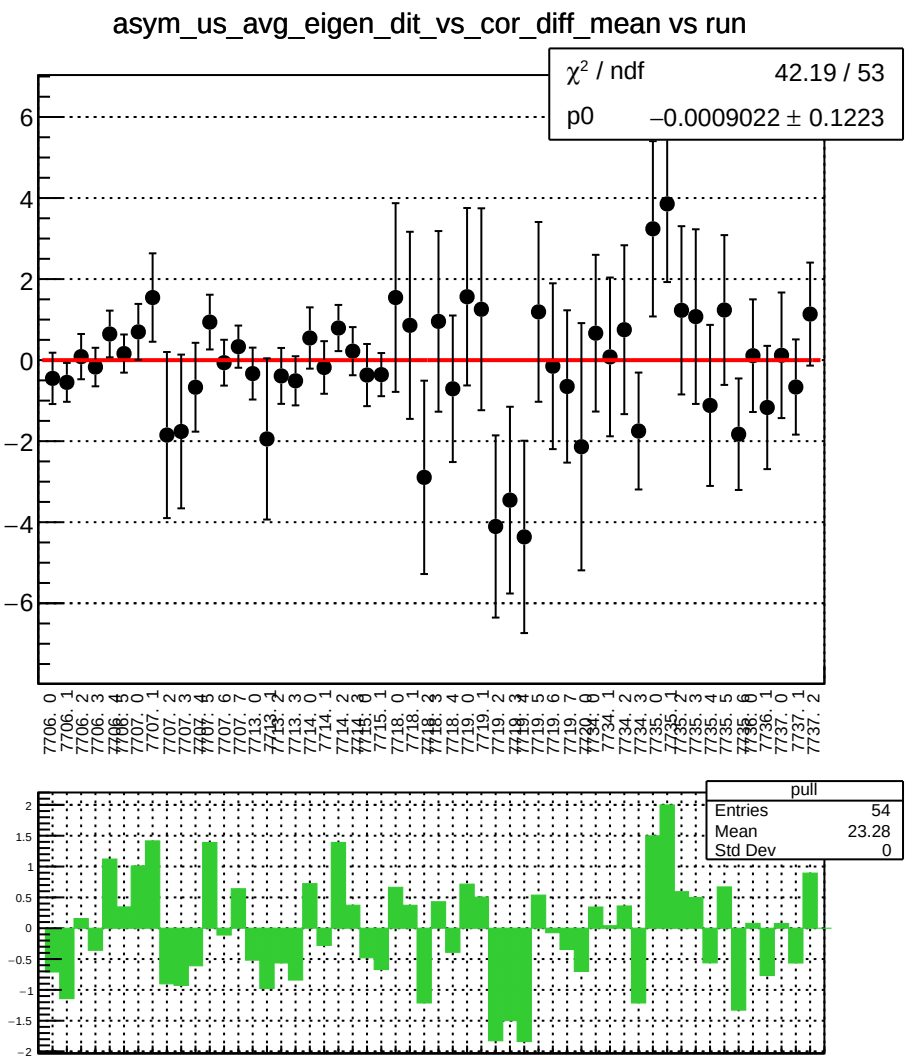

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 40.95 / 53
p0 0.04376 ± 0.1362
pull
Entries 54
Mean 1.205e+04
Std Dev 0
pull1D
Entries 54
Mean 4.203e−05
Std Dev 0.8708

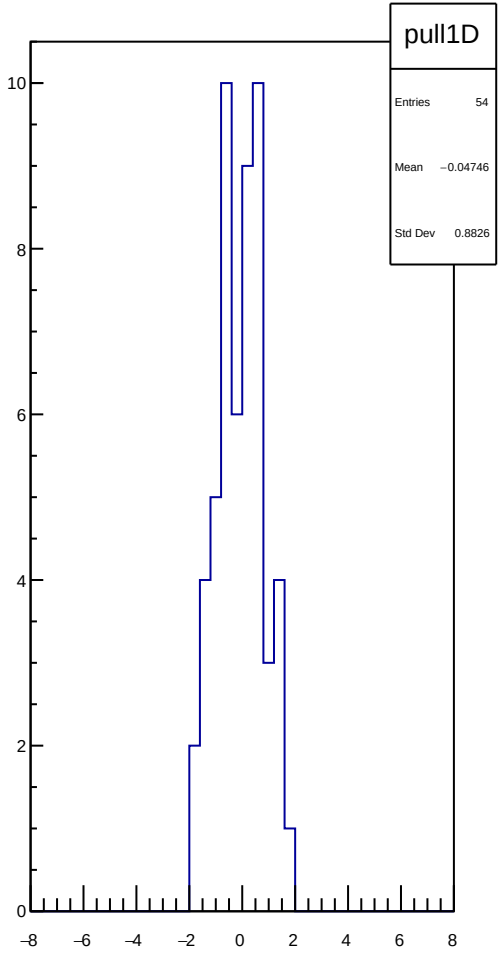

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.375e+05 / 53
p0 81.97 ± 0.09631
1400
1200
1000
800
600
400
200

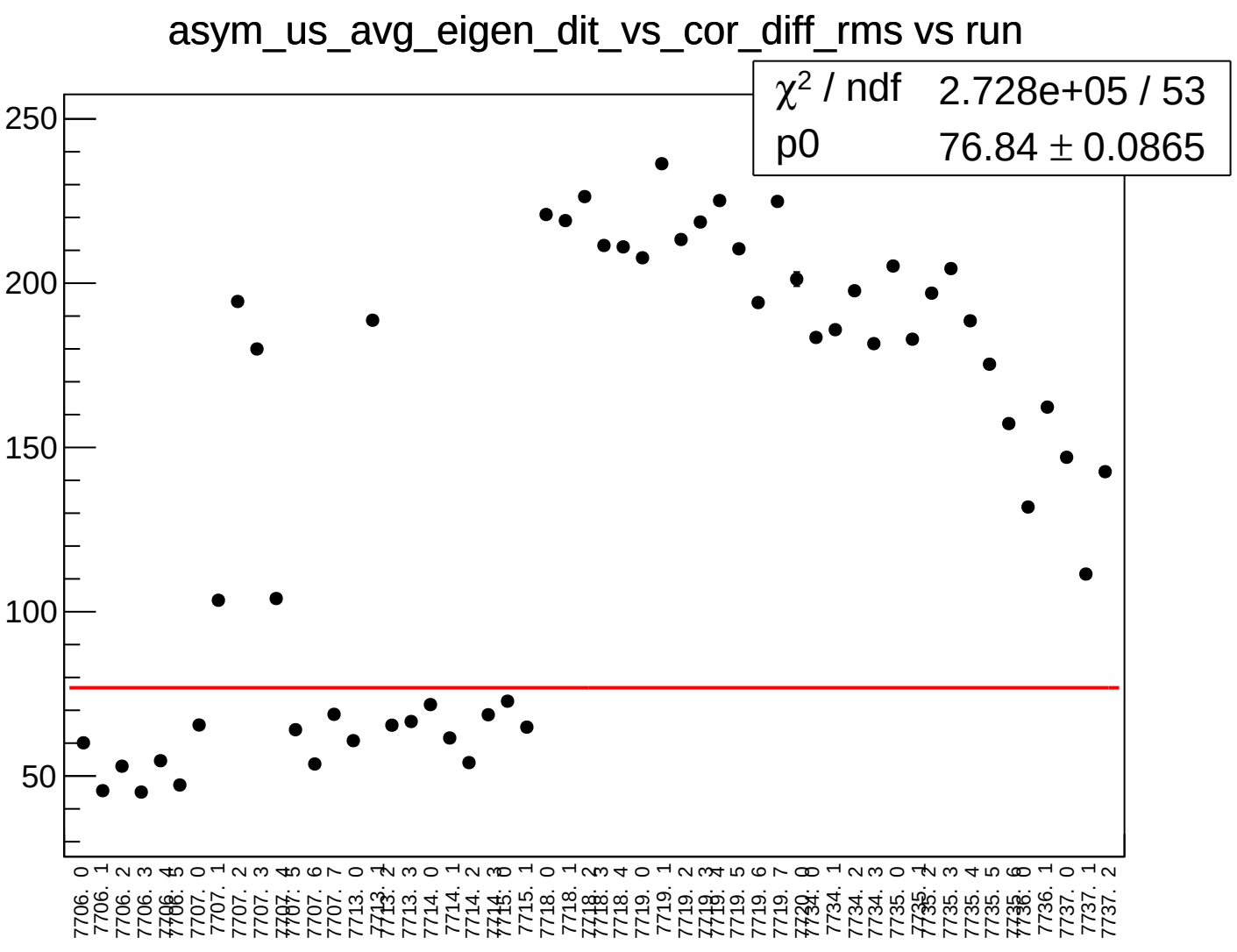

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.57 / 53
p0 −2.073e−07 ± 3.161e−06
pull
Entries 54
Mean 23.95
Std Dev 7.808

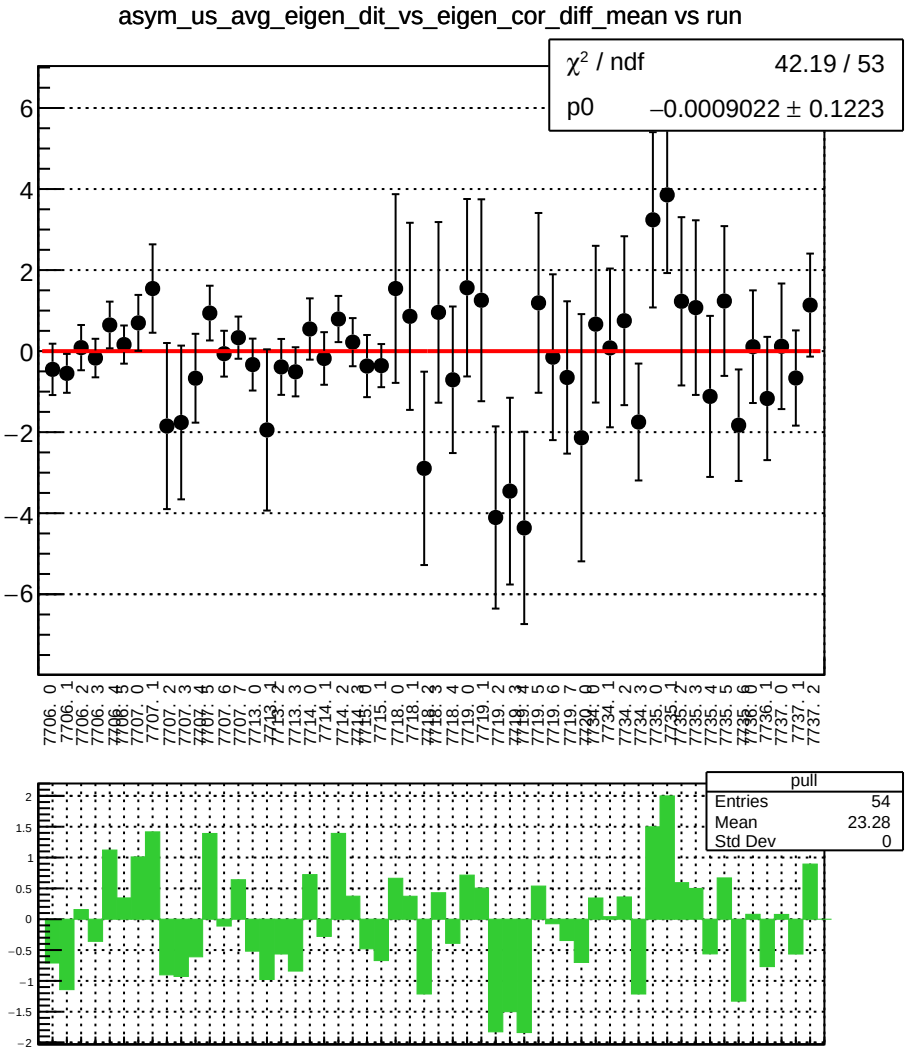

pull1D
Entries 54
Mean 0.05783
Std Dev 0.9269

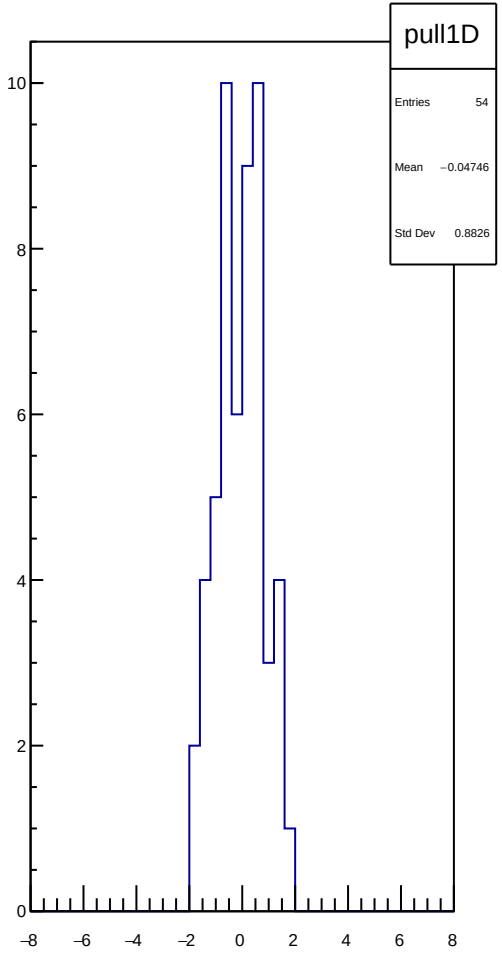

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.594e+04 / 53
p0 0.002208 ± 2.235e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

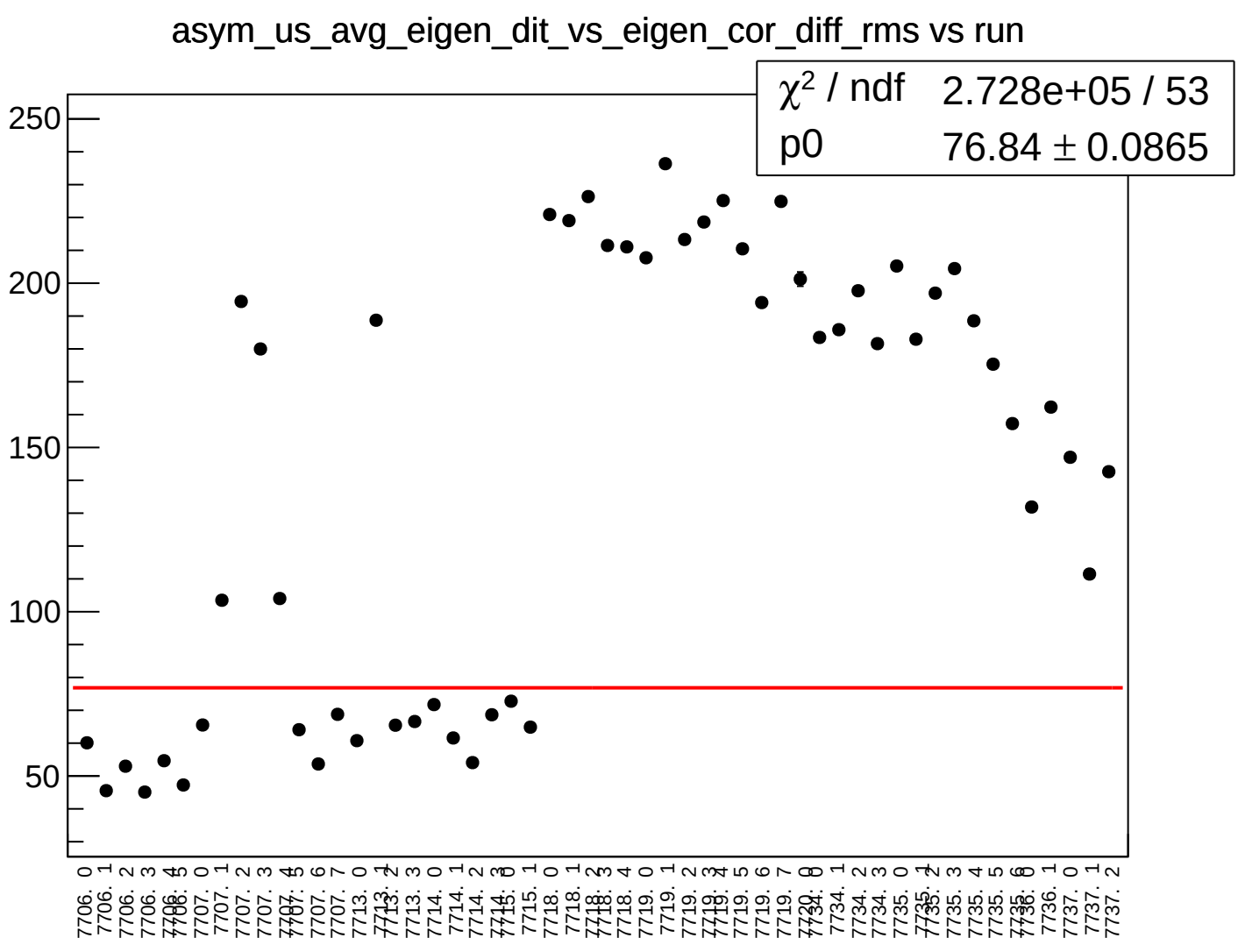

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.19 / 53
p0 −0.0009022 ± 0.1223
pull
Entries 54
Mean 23.28
Std Dev 0

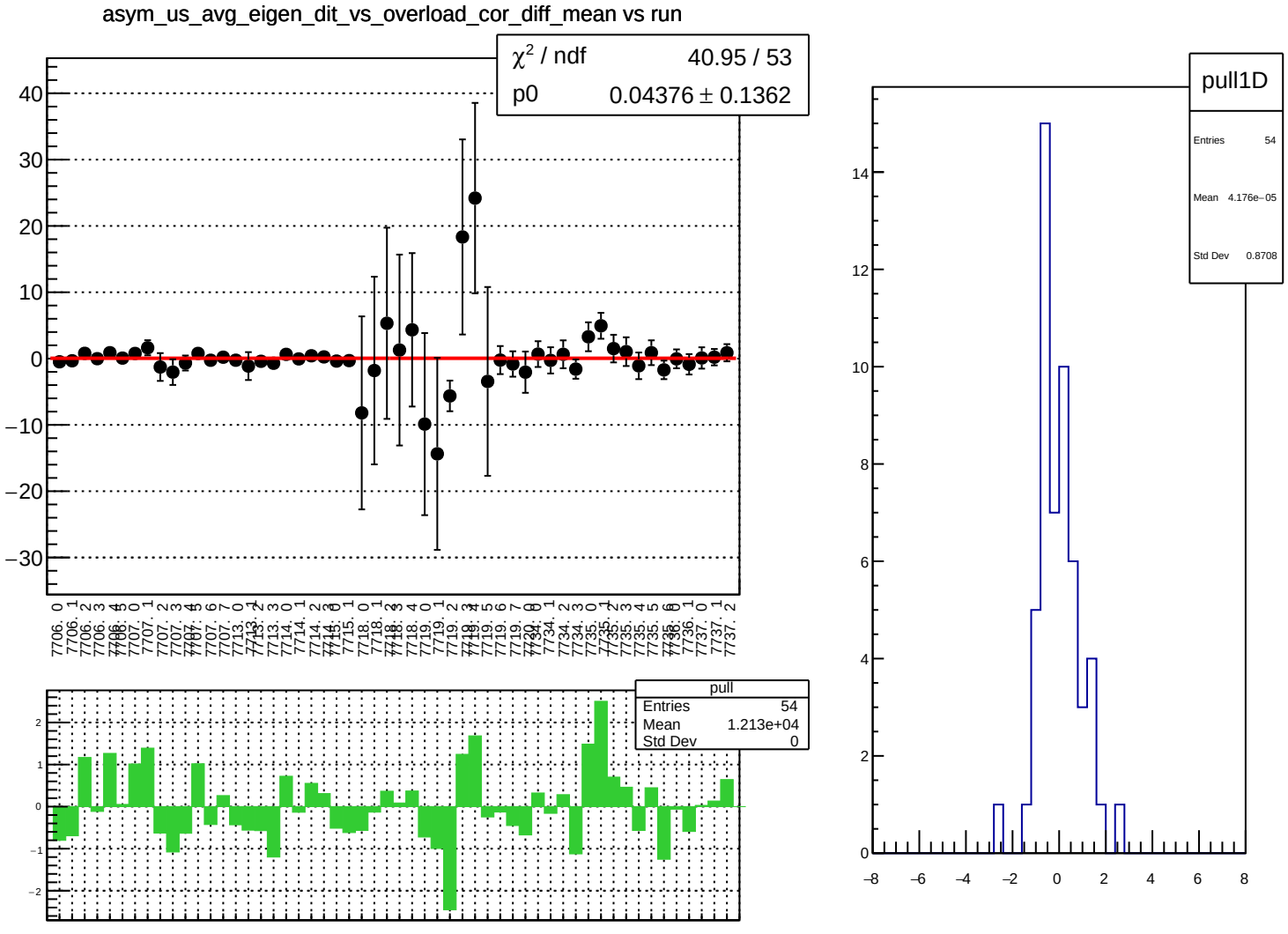

pull1D
Entries 54
Mean −0.04746
Std Dev 0.8826

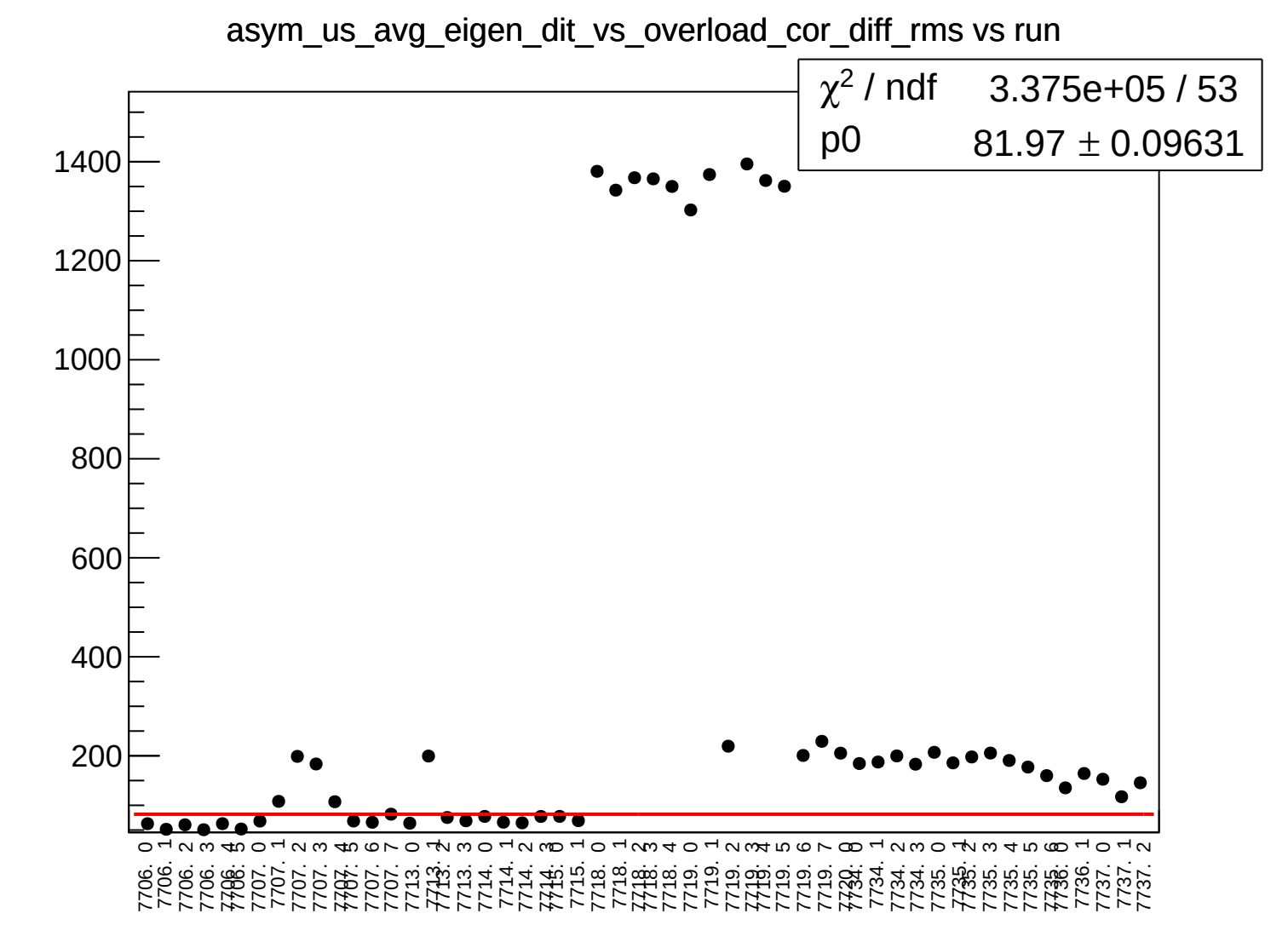

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.728e+05 / 53
p0 76.84 ± 0.0865
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

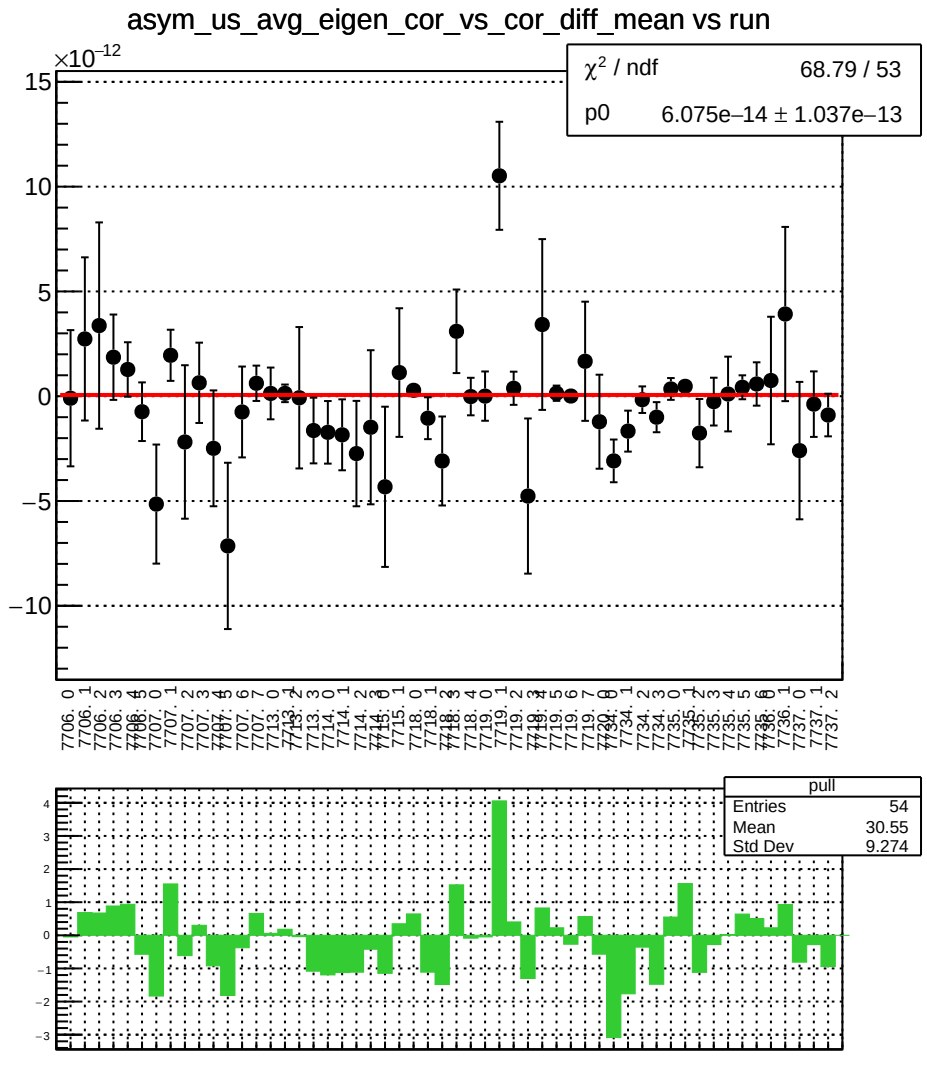

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.19 / 53
p0 −0.0009022 ± 0.1223
pull
Entries 54
Mean 23.28
Std Dev 0

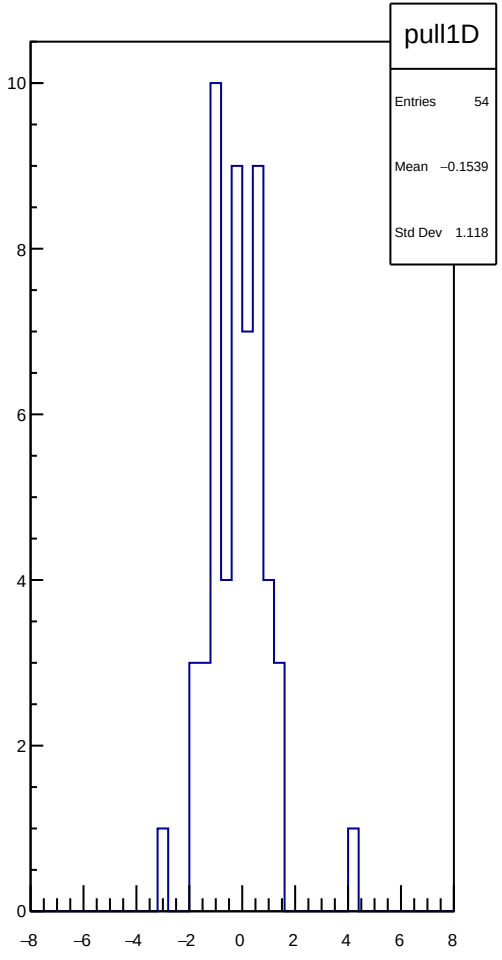

pull1D
Entries 54
Mean −0.04746
Std Dev 0.8826

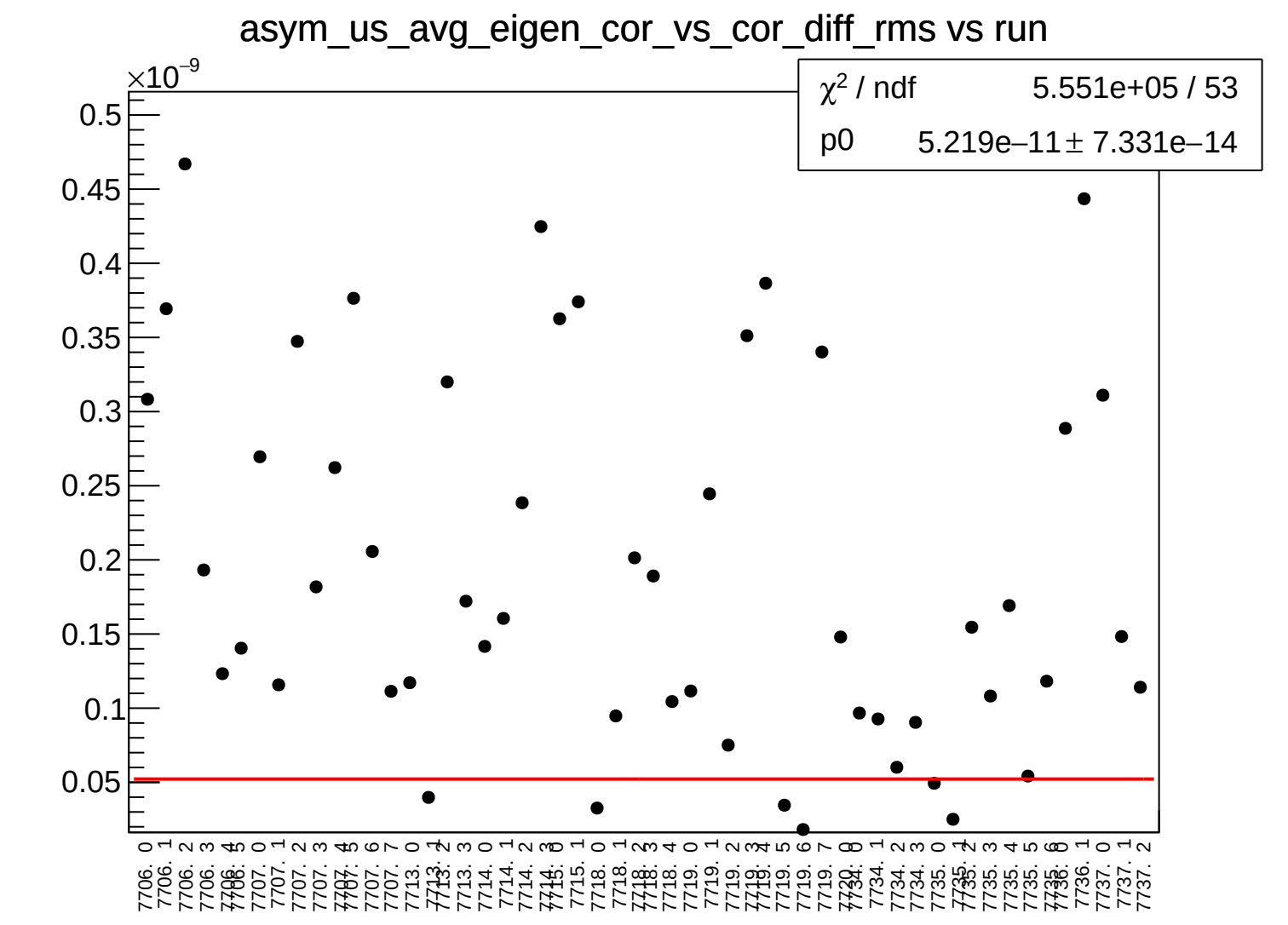

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.728e+05 / 53
p0 76.84 ± 0.0865
250
200
150
100
50

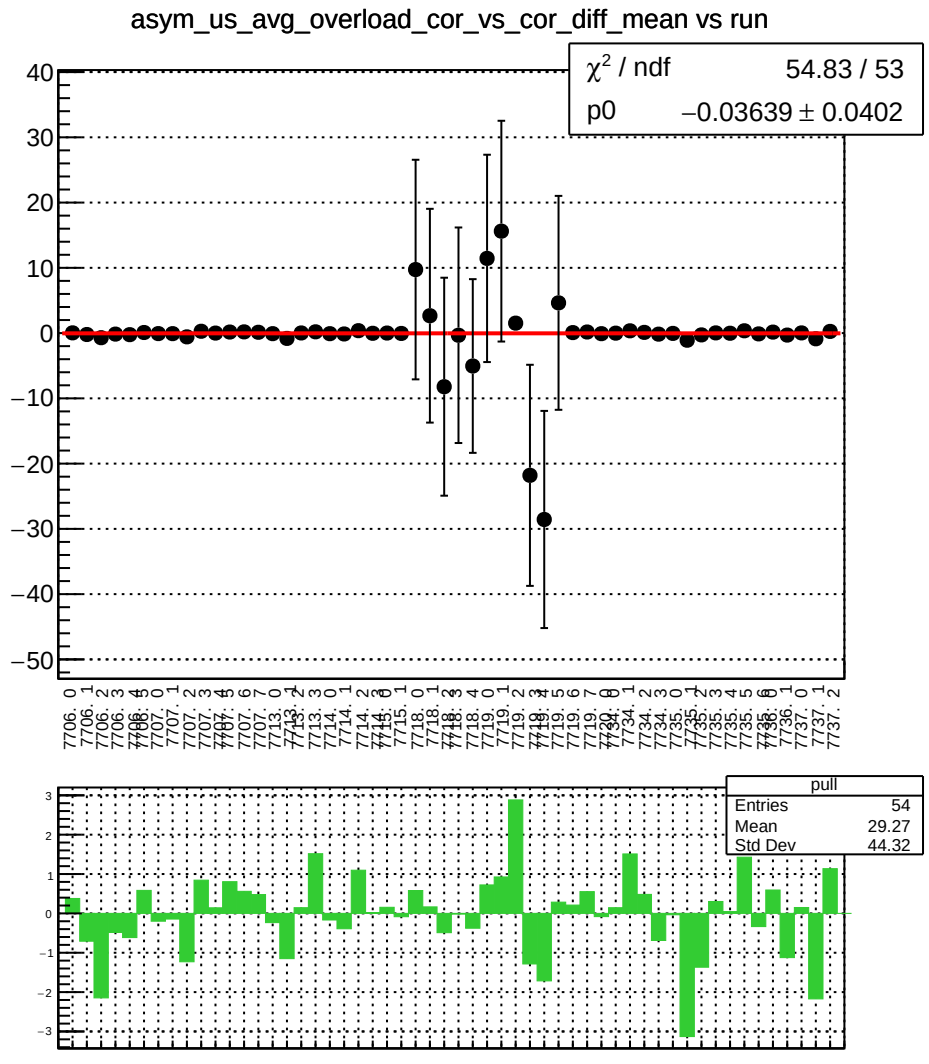

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 40.95 / 53
p0 0.04376 ± 0.1362
pull
Entries 54
Mean 1.213e+04
Std Dev 0
pull1D
Entries 54
Mean 4.176e−05
Std Dev 0.8708

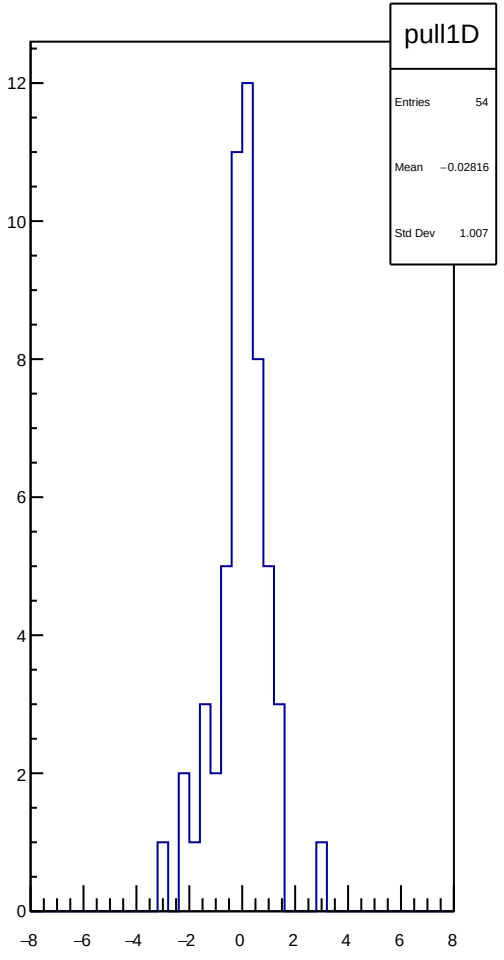

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.375e+05 / 53
p0 81.97 ± 0.09631
1400
1200
1000
800
600
400
200

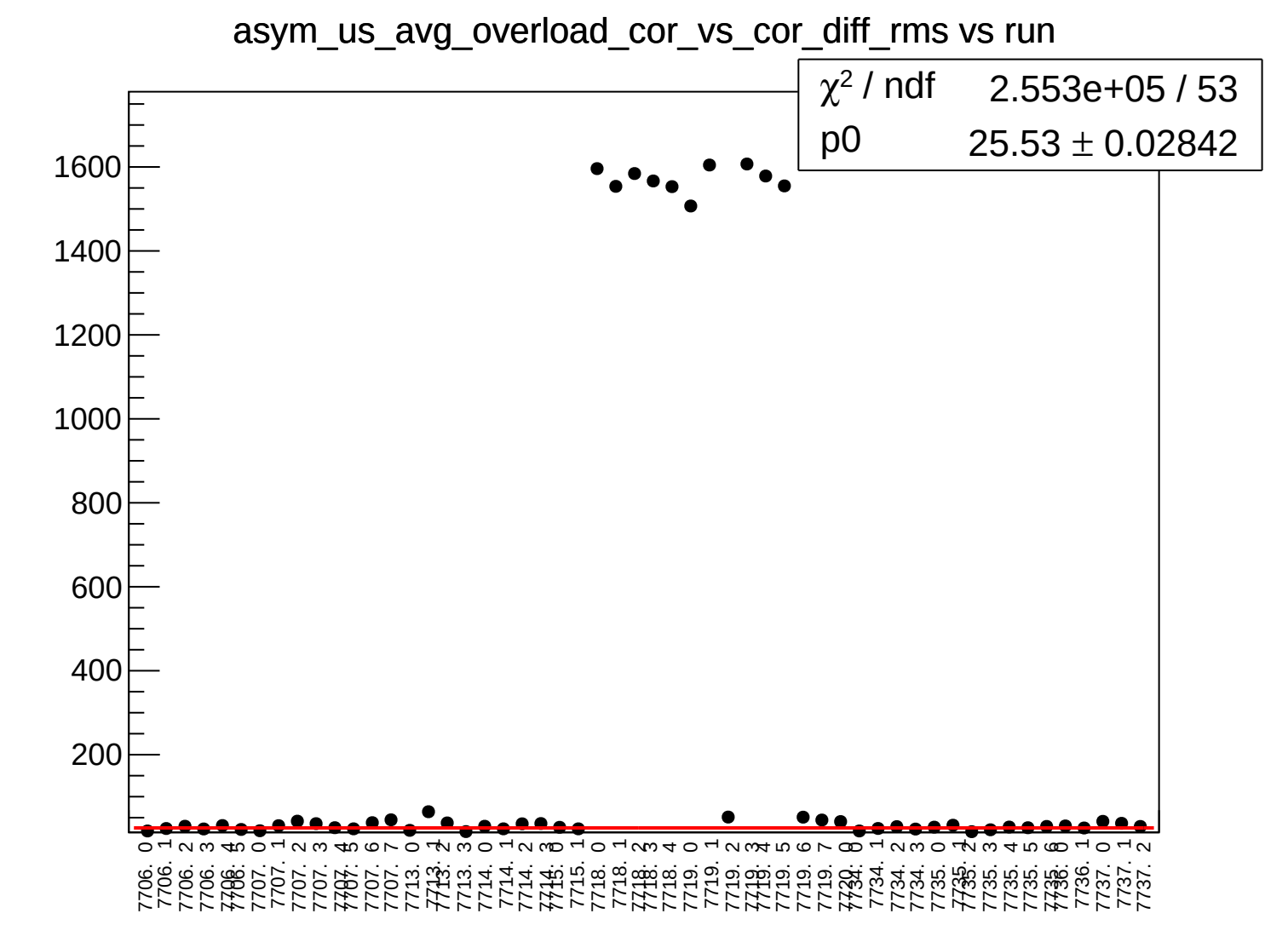

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.79 / 53
p0 6.075e−14 ± 1.037e−13
pull
Entries 54
Mean 30.55
Std Dev 9.274

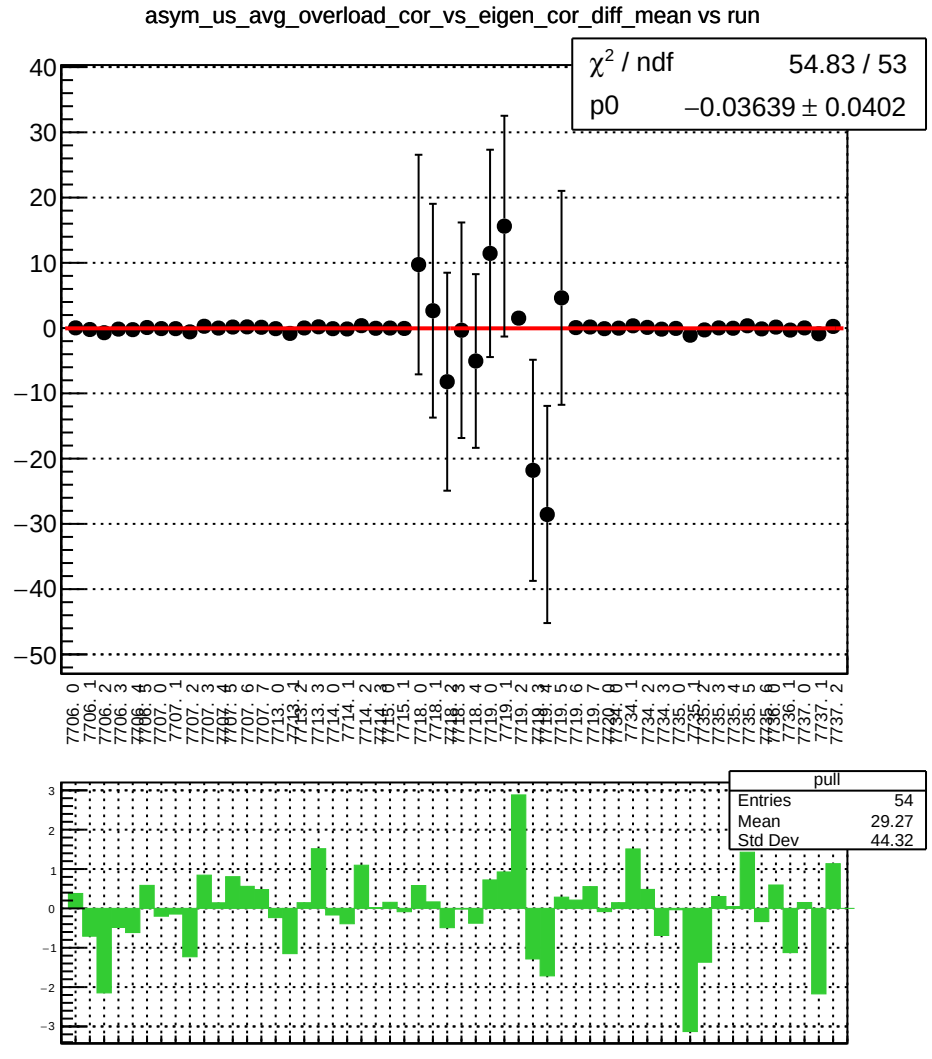

pull1D
Entries 54
Mean −0.1539
Std Dev 1.118

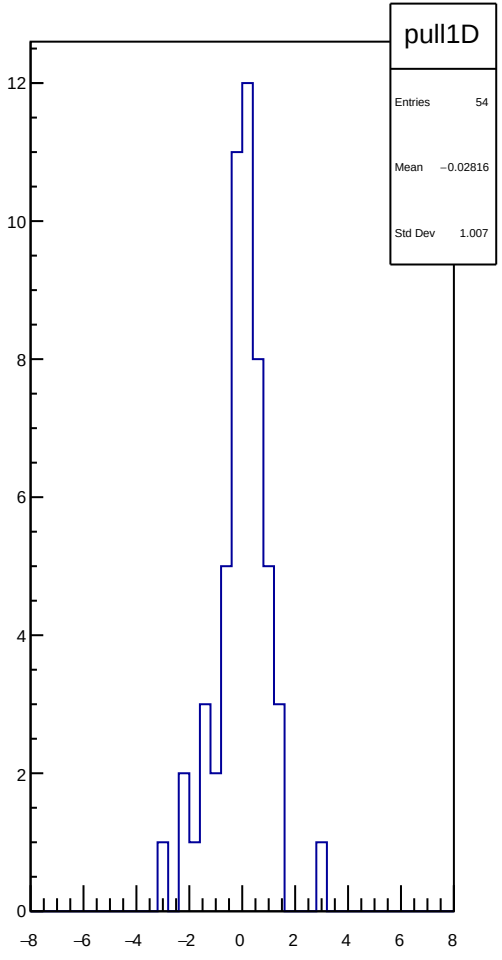

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.551e+05 / 53
p0 5.219e−11 ± 7.331e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

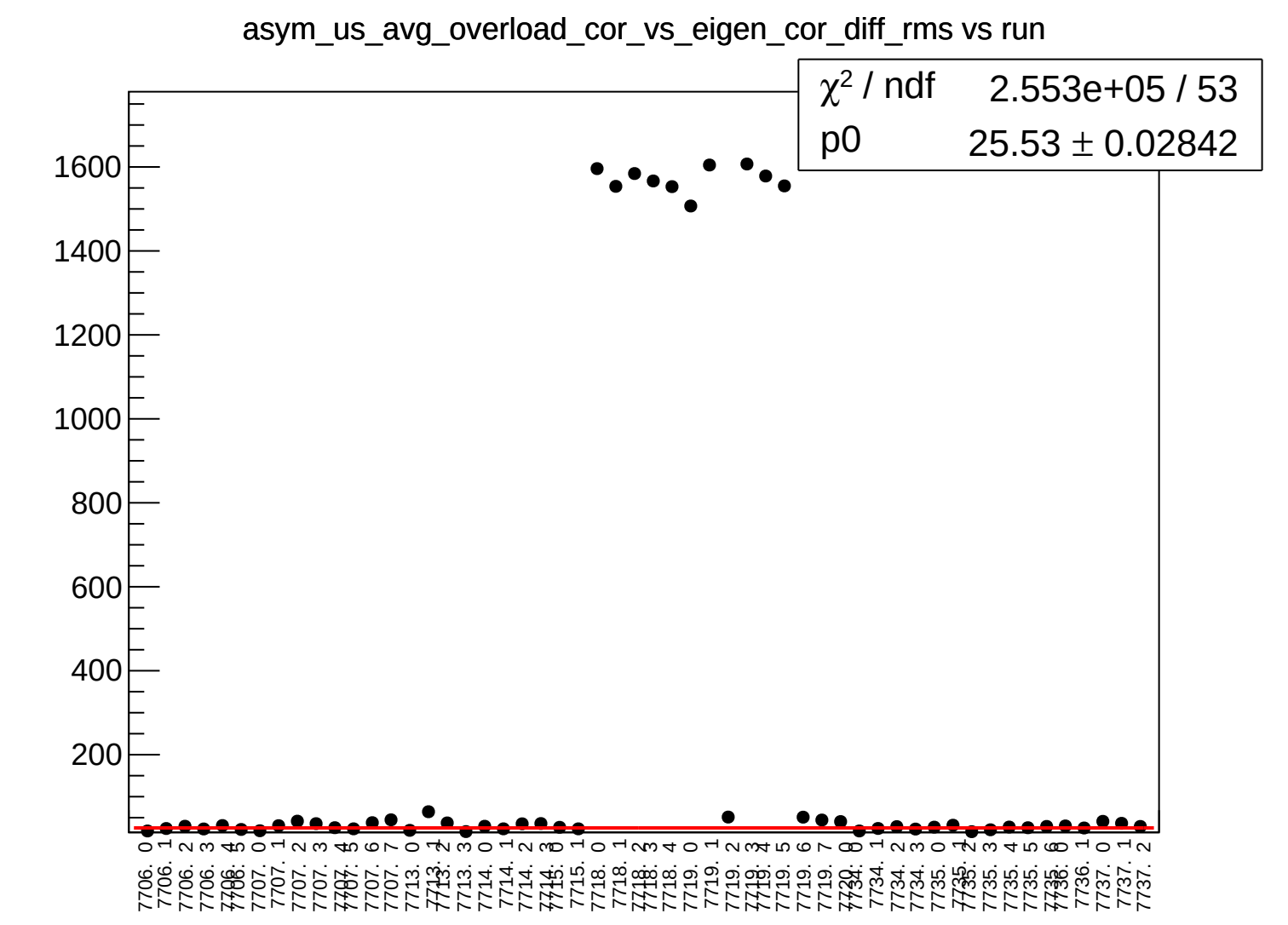

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 54.83 / 53
p0 −0.03639 ± 0.0402
pull
Entries 54
Mean 29.27
Std Dev 44.32

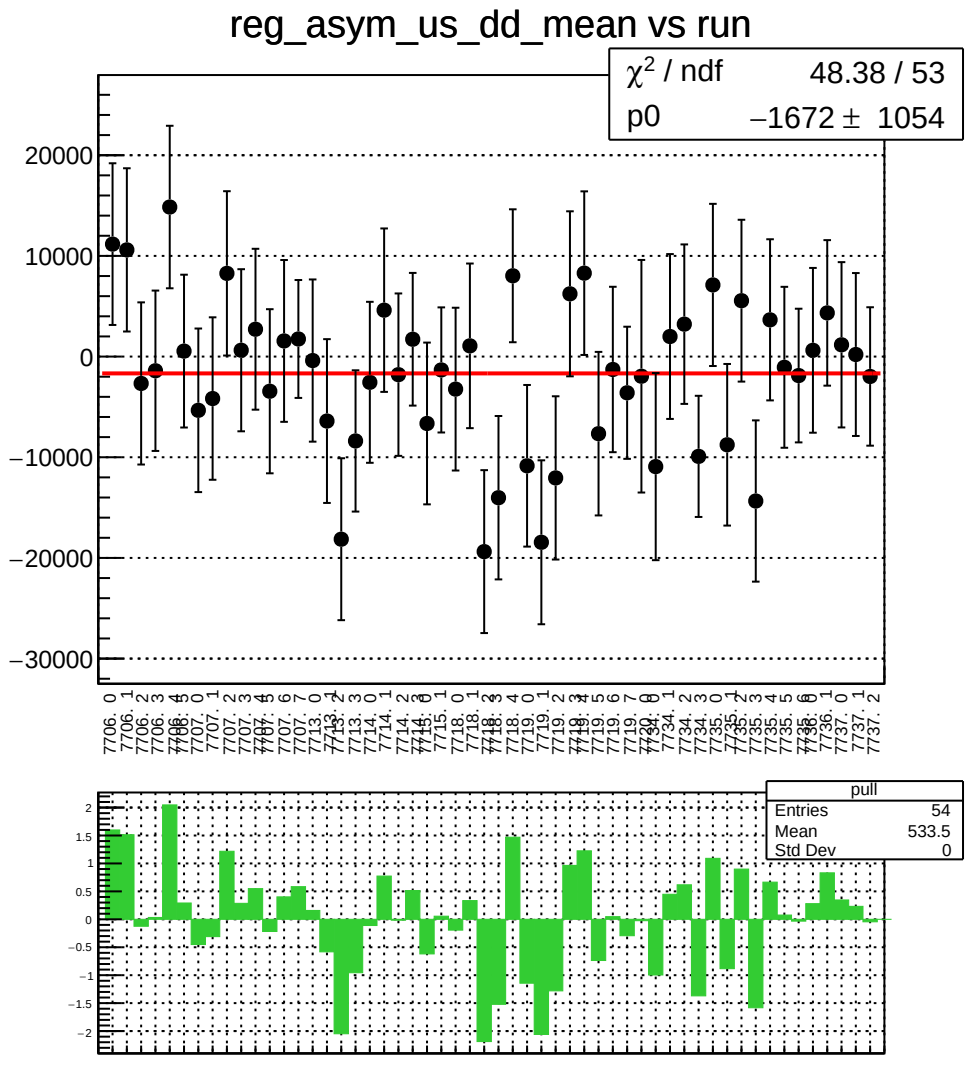

pull1D
Entries 54
Mean −0.02816
Std Dev 1.007

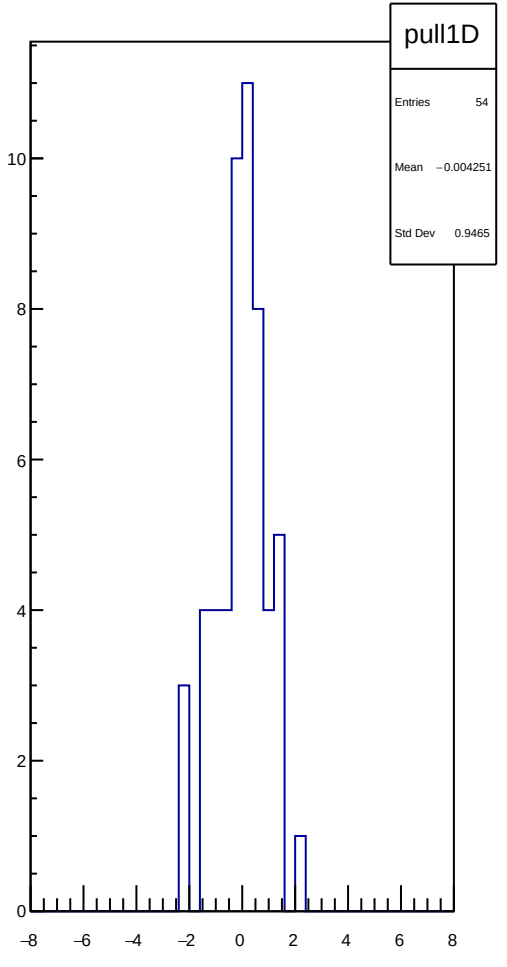

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.553e+05 / 53
p0 25.53 ± 0.02842
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

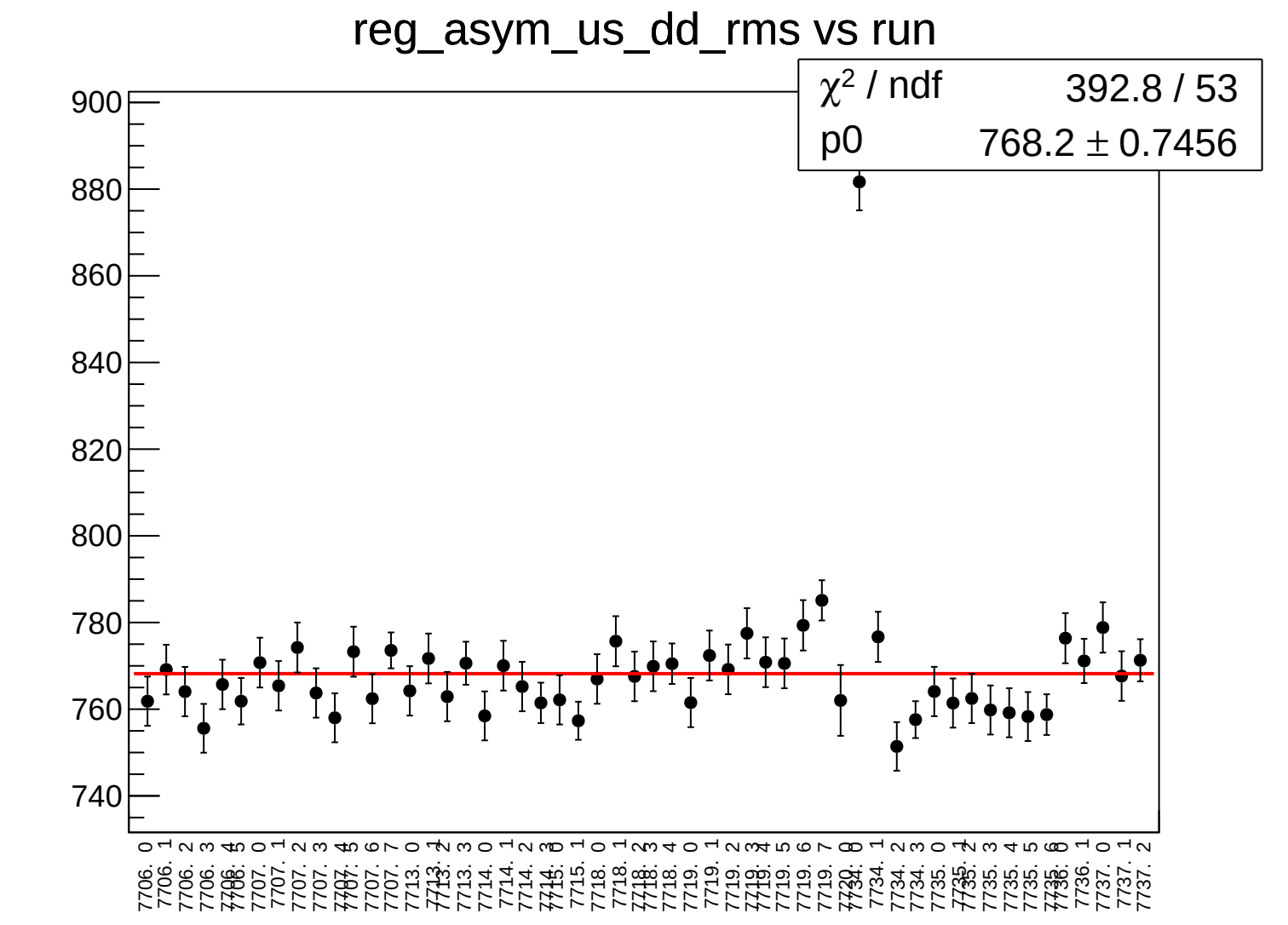

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.83 / 53
p0 −0.03639 ± 0.0402
pull
Entries 54
Mean 29.27
Std Dev 44.32

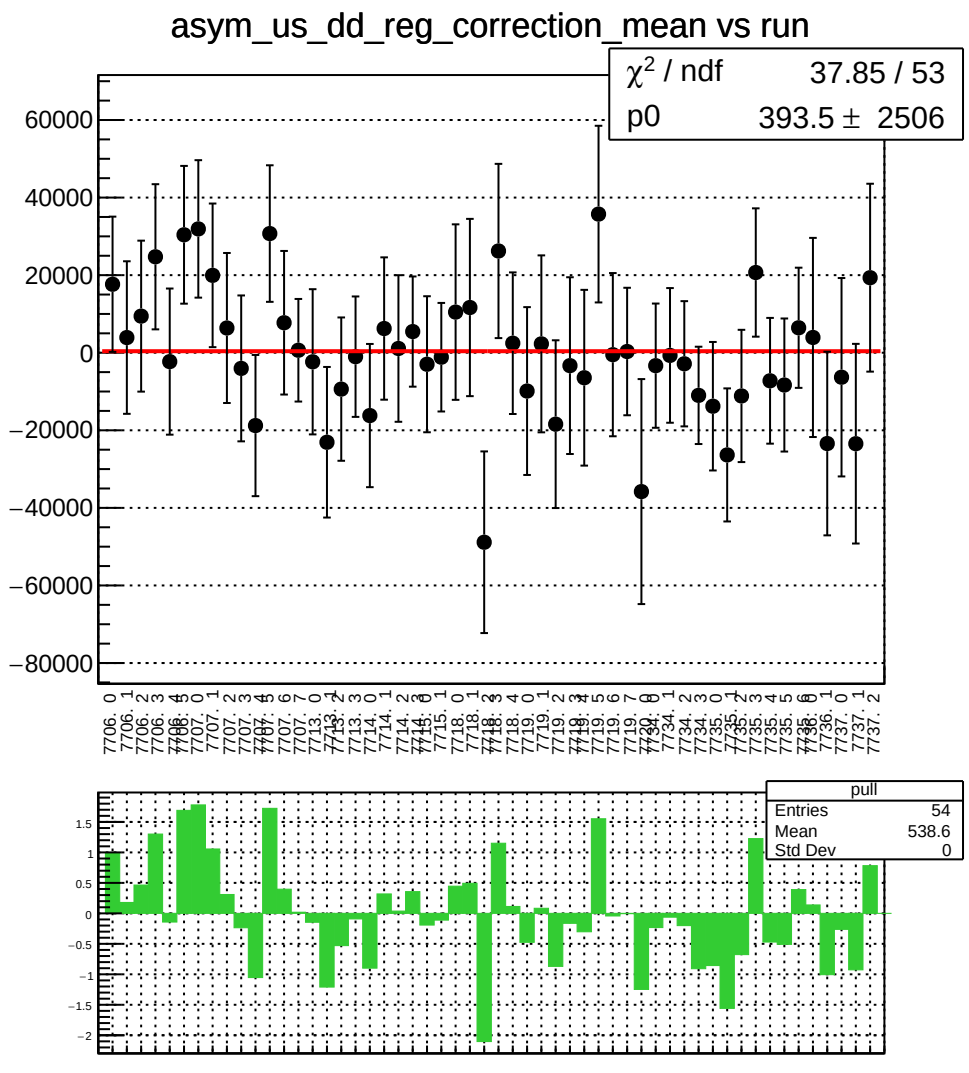

pull1D
Entries 54
Mean −0.02816
Std Dev 1.007

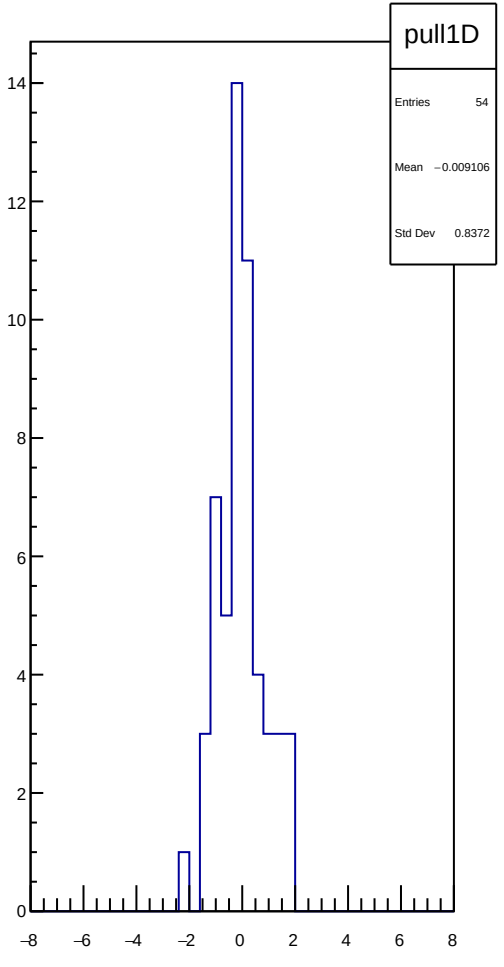

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.553e+05 / 53
p0 25.53 ± 0.02842
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

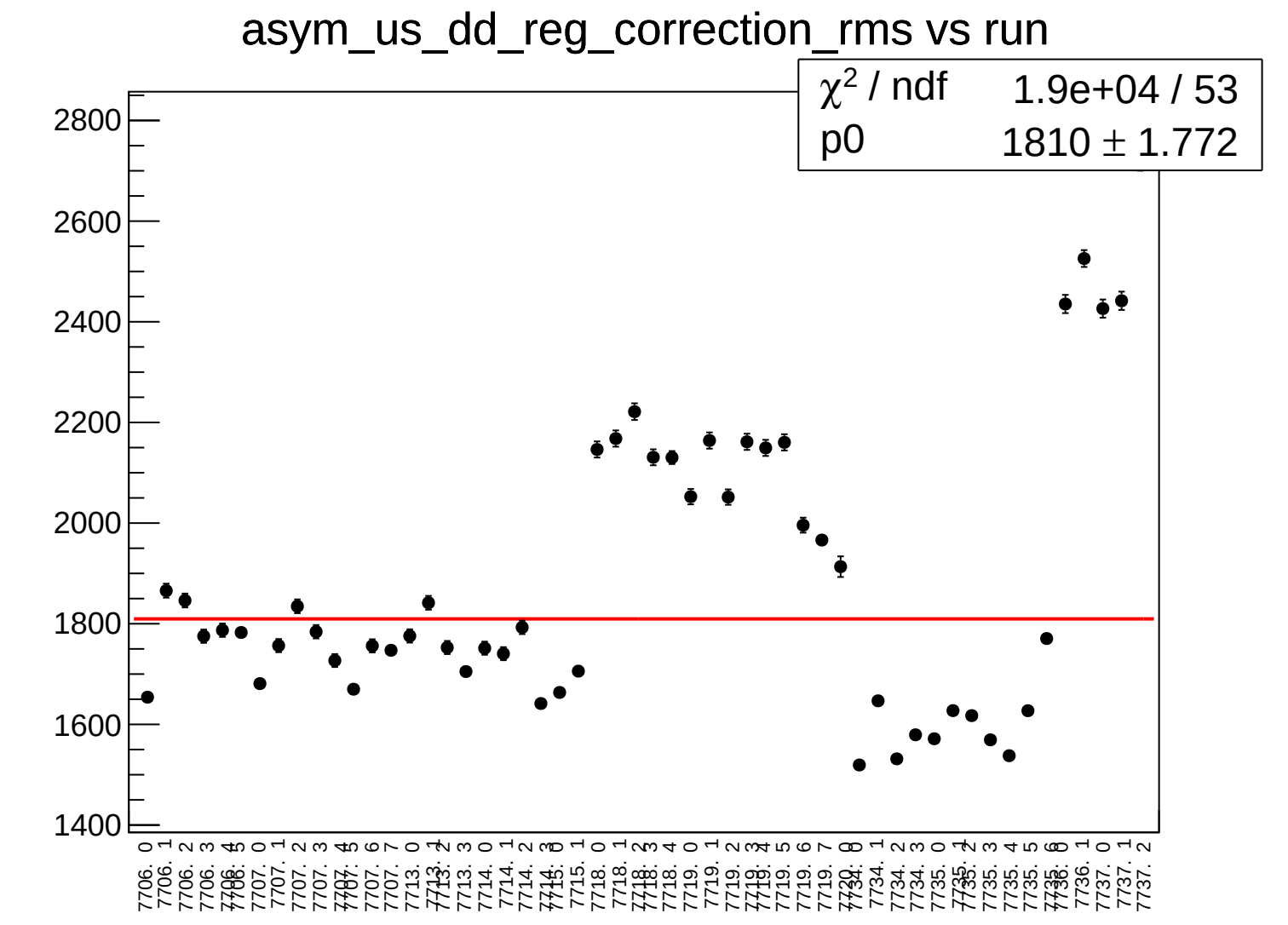

reg_asym_us_dd_mean vs run
χ² / ndf 48.38 / 53
p0 −1672 ± 1054
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 533.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

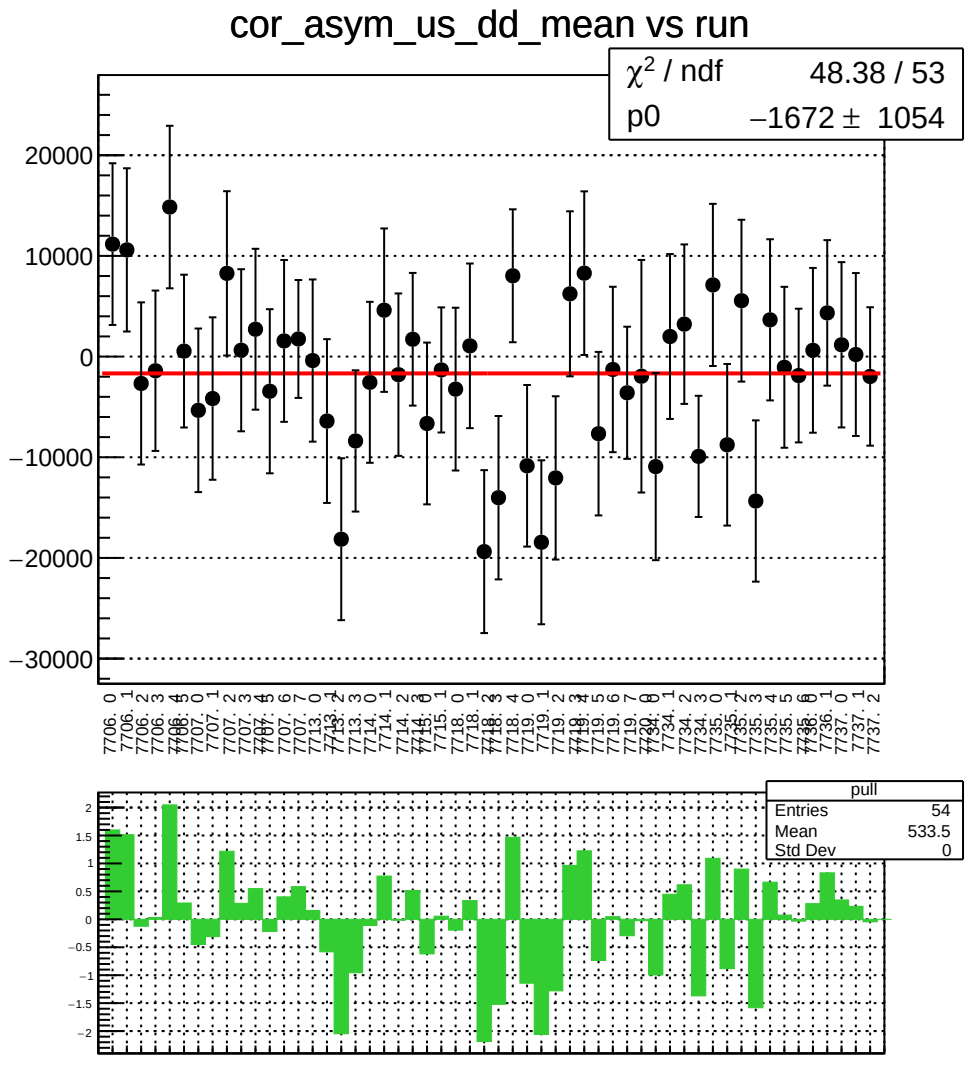

pull1D
Entries 54
Mean −0.004251
Std Dev 0.9465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

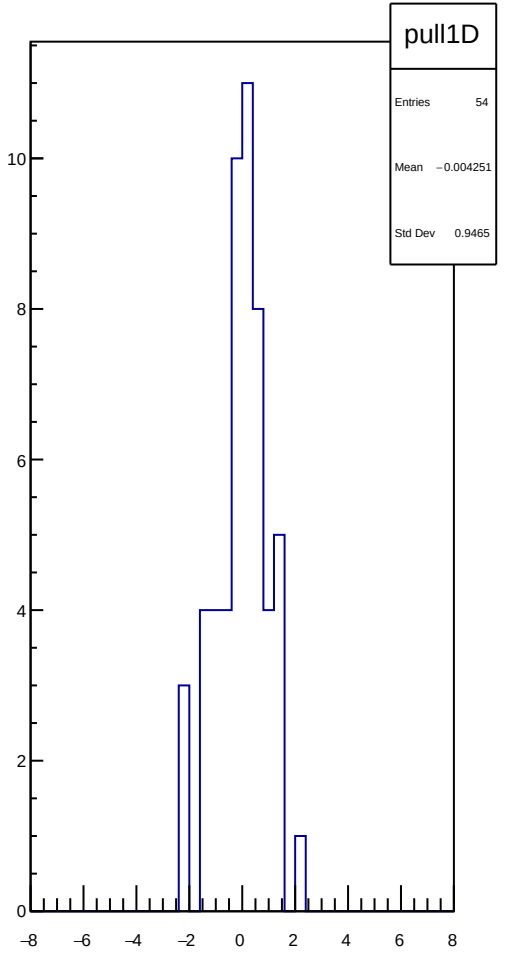

reg_asym_us_dd_rms vs run
χ² / ndf 392.8 / 53
p0 768.2 ± 0.7456
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

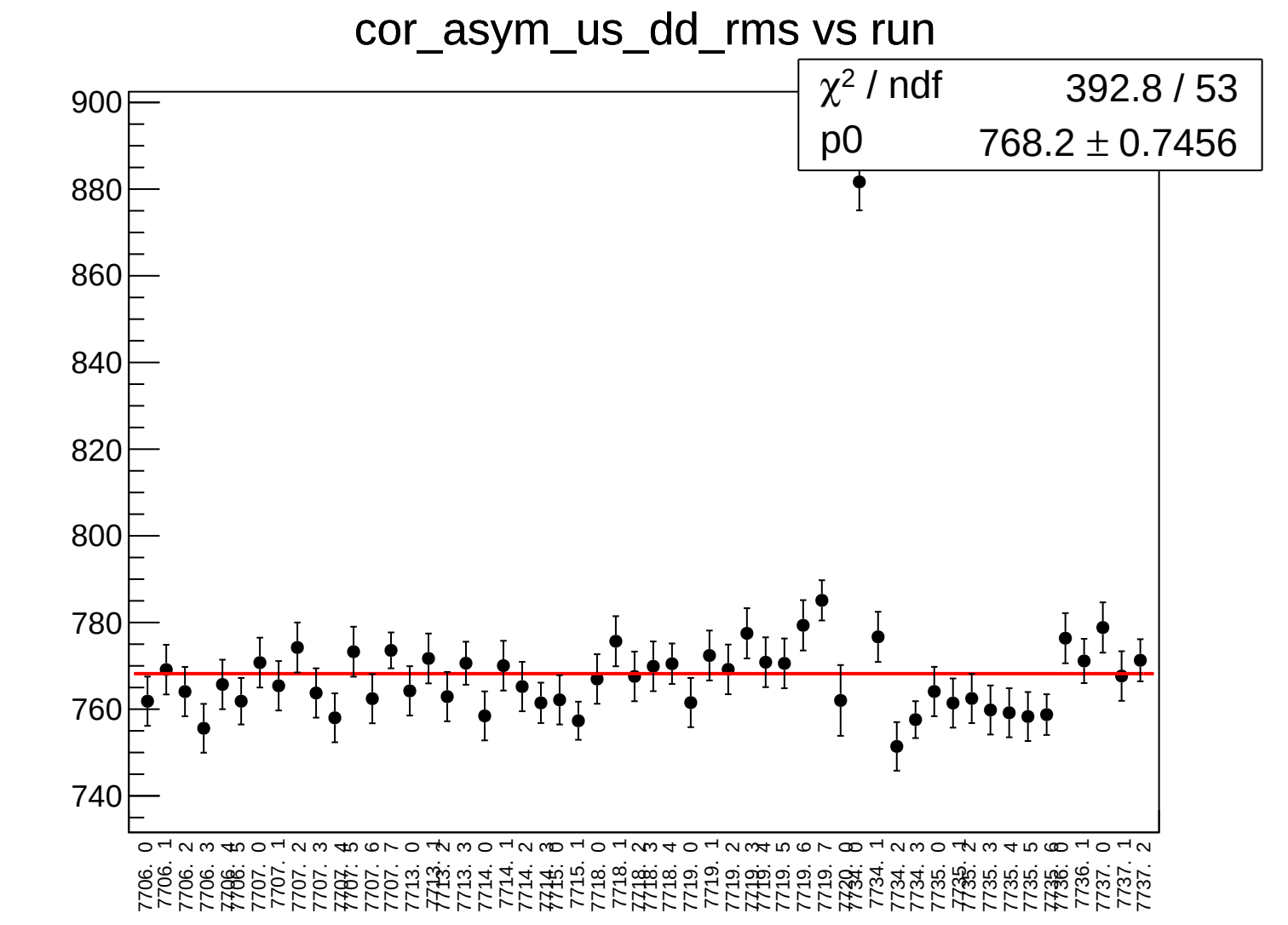

asym_us_dd_reg_correction_mean vs run
χ² / ndf 37.85 / 53
p0 393.5 ± 2506
pull
Entries 54
Mean 538.6
Std Dev 0

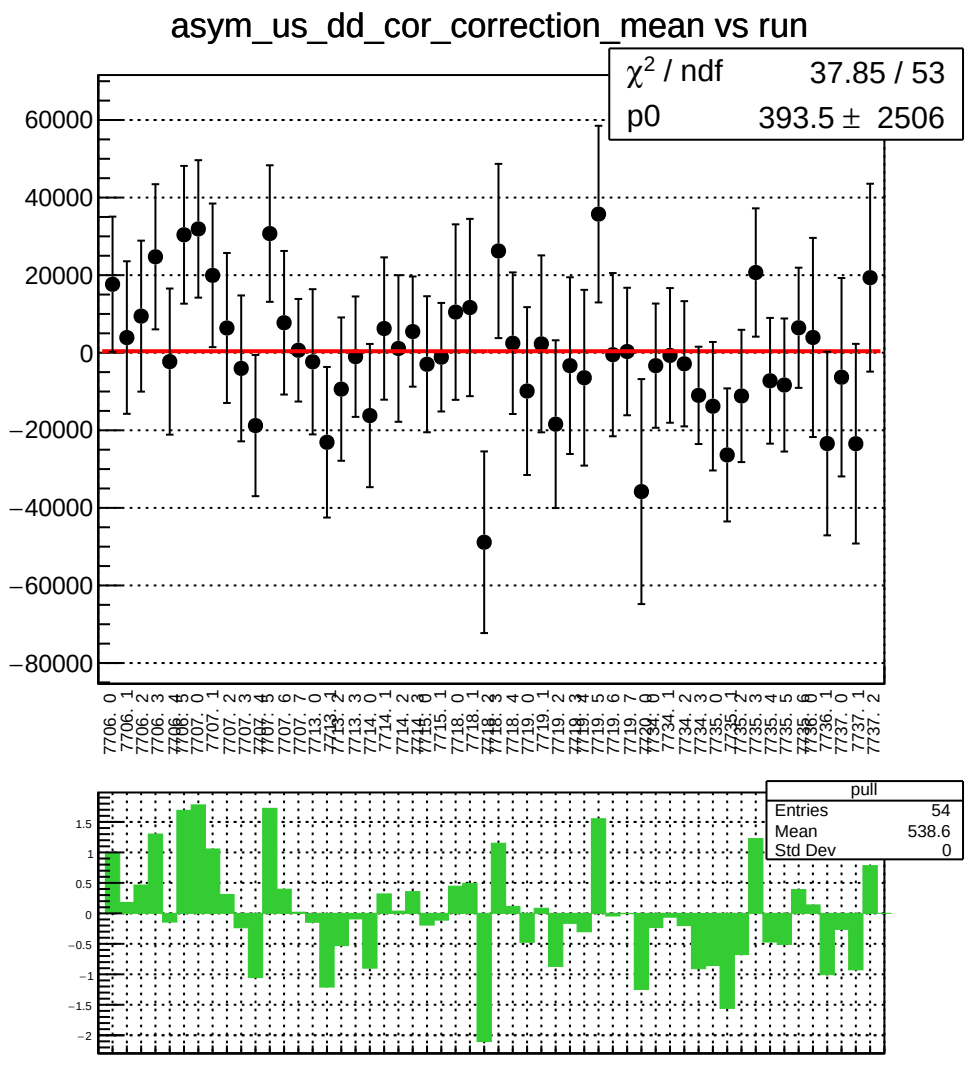

pull1D
Entries 54
Mean −0.009106
Std Dev 0.8372

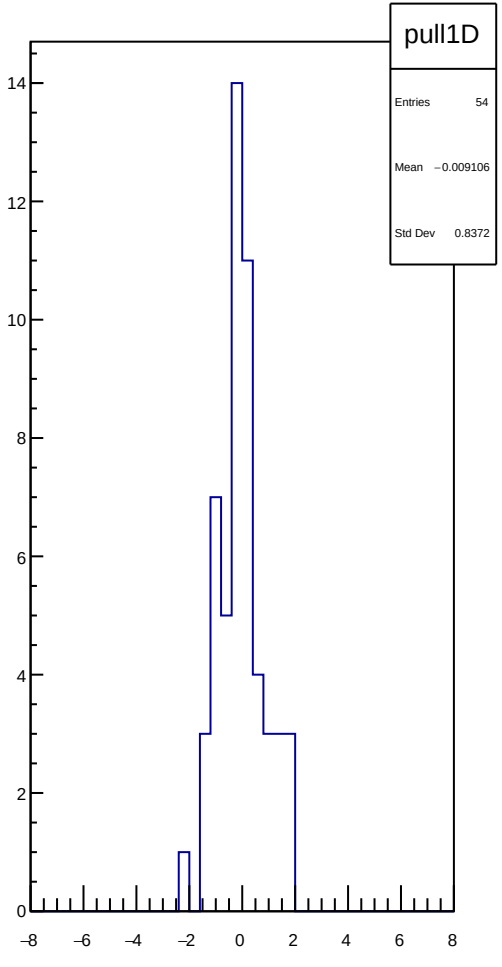

asym_us_dd_reg_correction_rms vs run
χ² / ndf 1.9e+04 / 53
p0 1810 ± 1.772
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

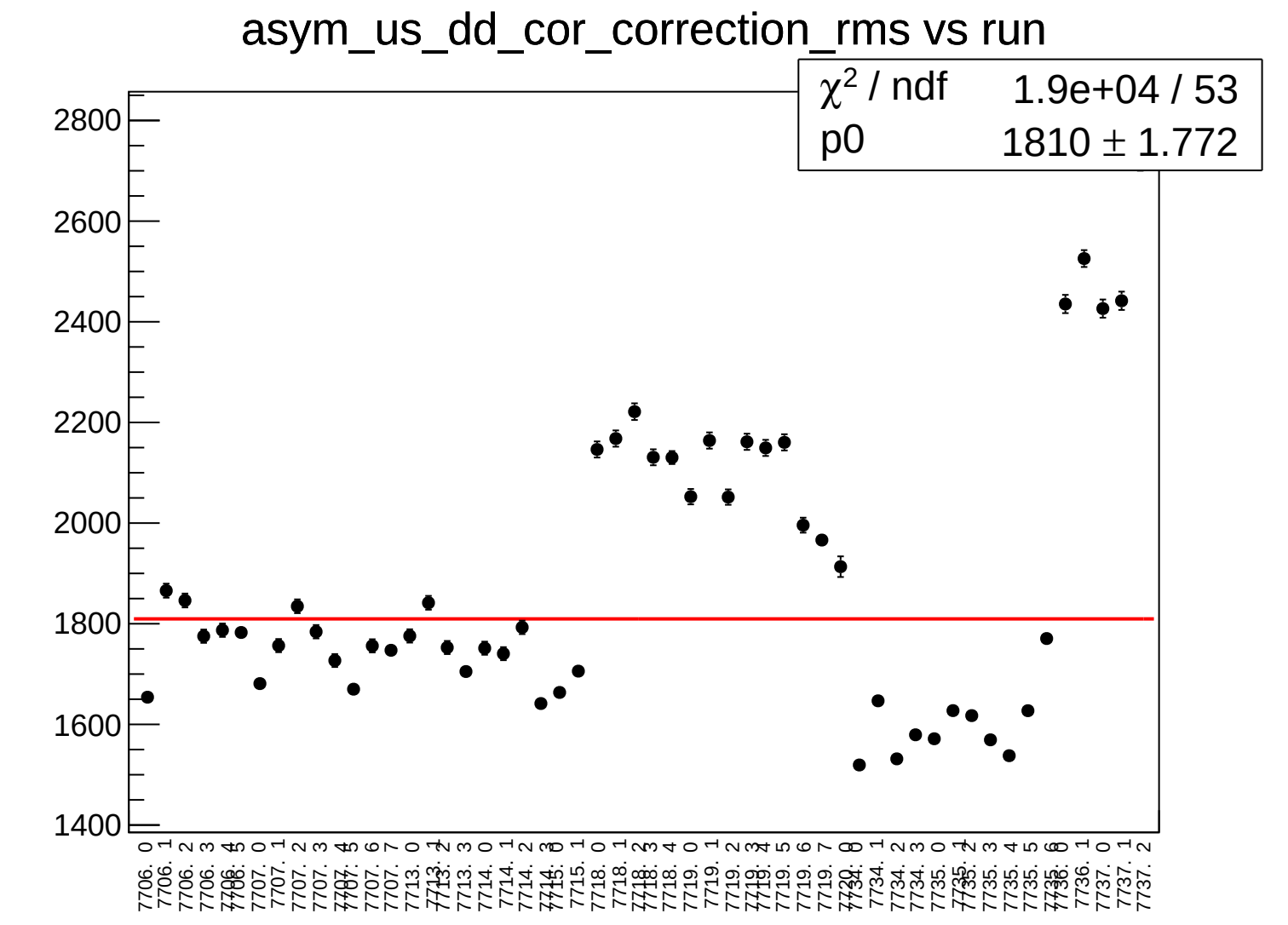

cor_asym_us_dd_mean vs run
χ² / ndf 48.38 / 53
p0 −1672 ± 1054
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 533.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

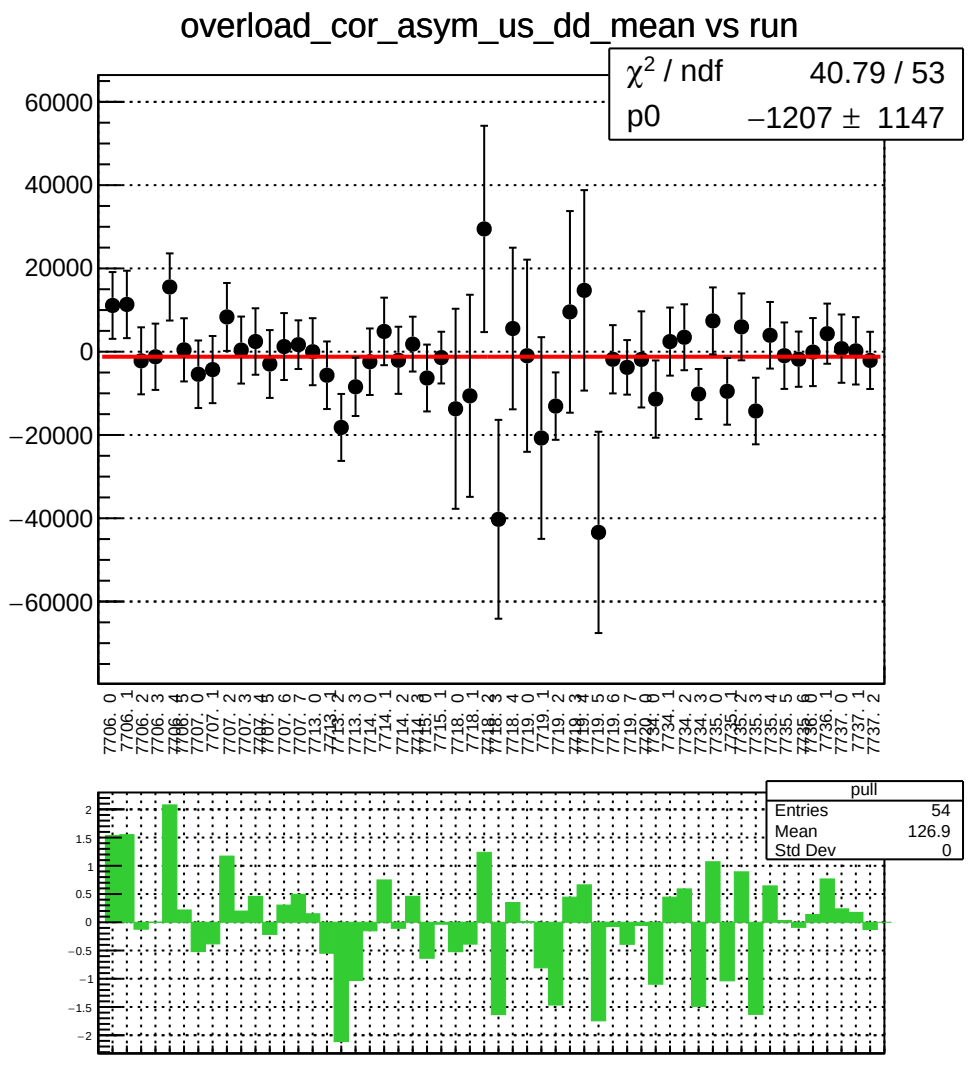

pull1D
Entries 54
Mean −0.004251
Std Dev 0.9465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

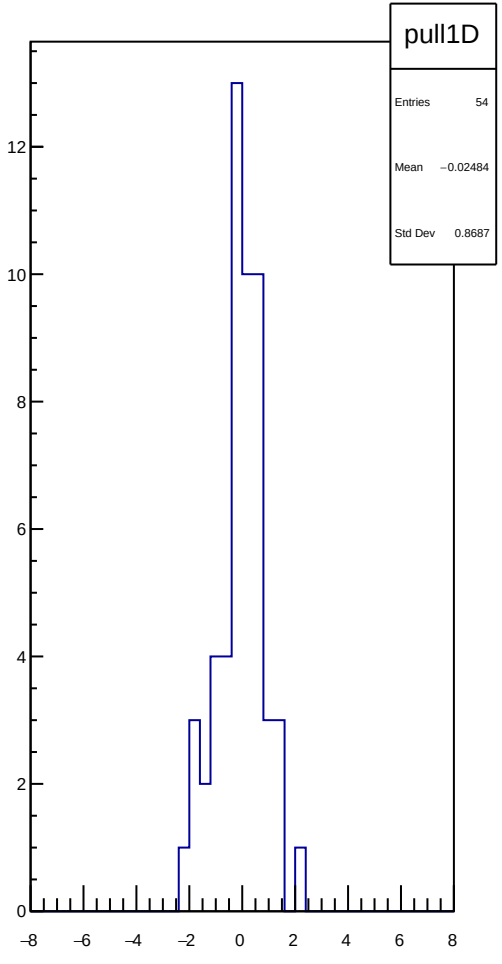

cor_asym_us_dd_rms vs run
χ² / ndf 392.8 / 53
p0 768.2 ± 0.7456
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

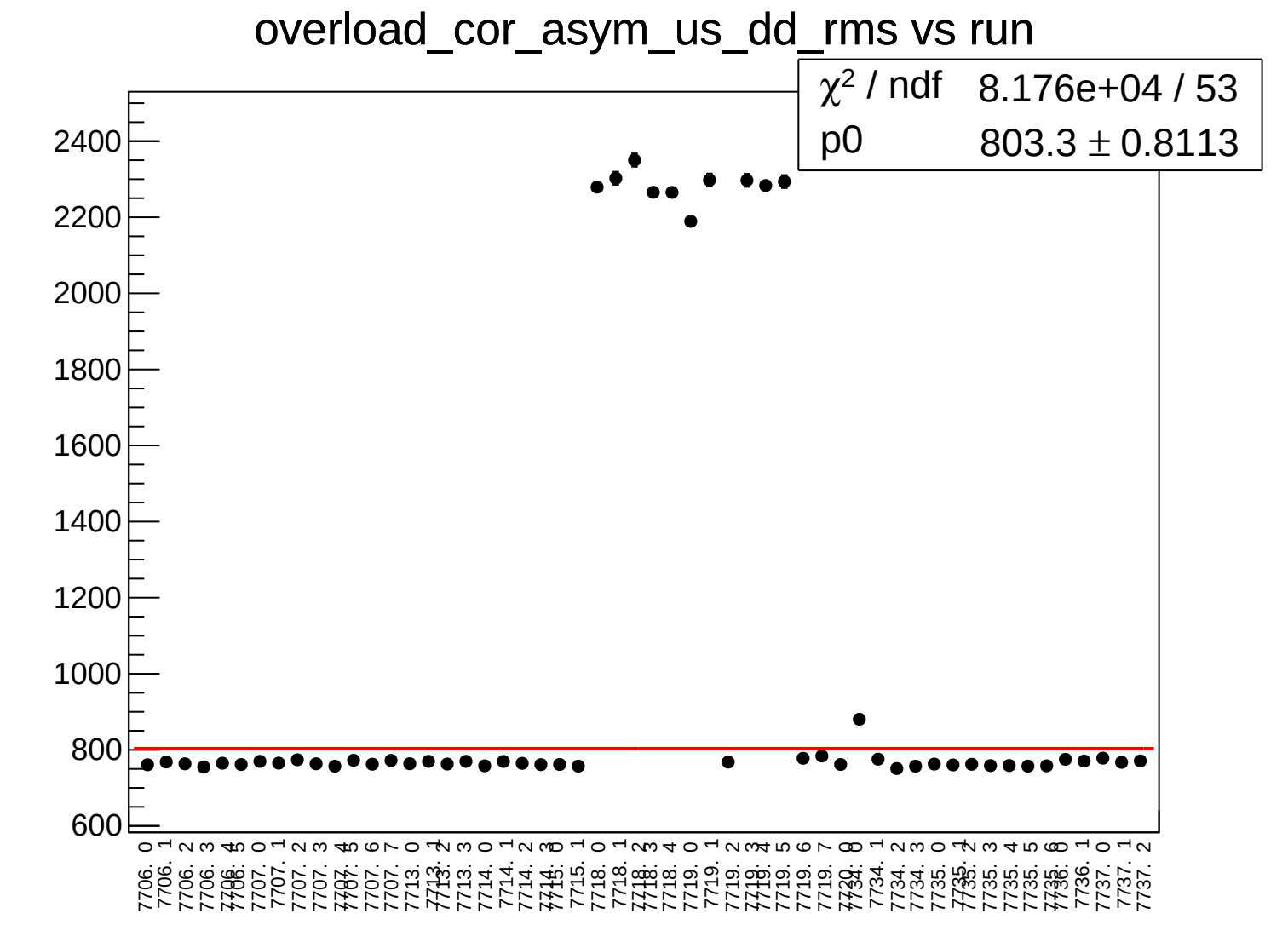

asym_us_dd_cor_correction_mean vs run
χ² / ndf 37.85 / 53
p0 393.5 ± 2506
pull
Entries 54
Mean 538.6
Std Dev 0

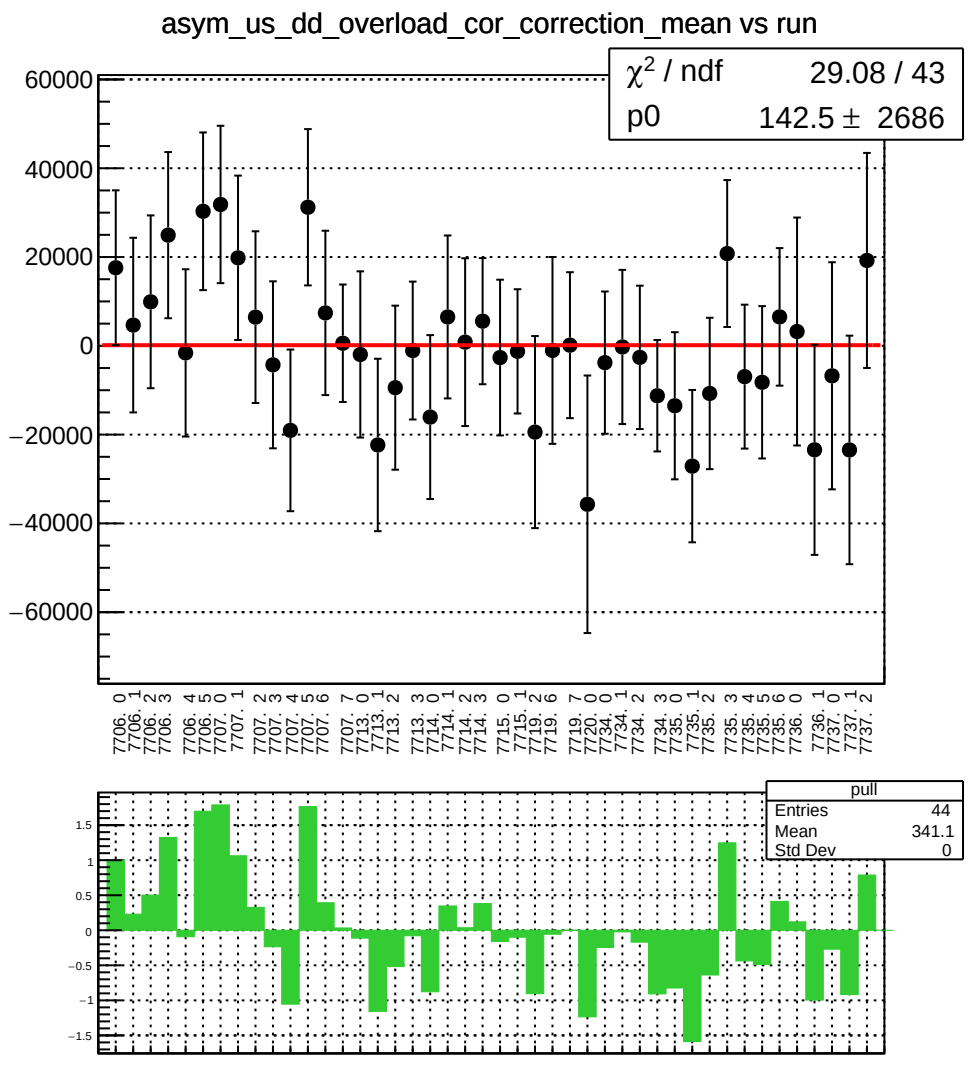

pull1D
Entries 54
Mean −0.009106
Std Dev 0.8372

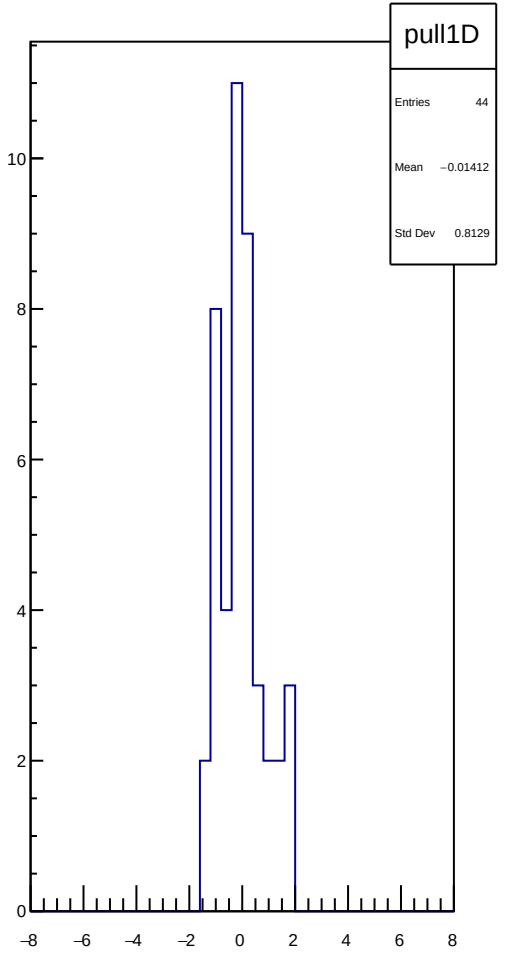

asym_us_dd_cor_correction_rms vs run
χ² / ndf 1.9e+04 / 53
p0 1810 ± 1.772
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

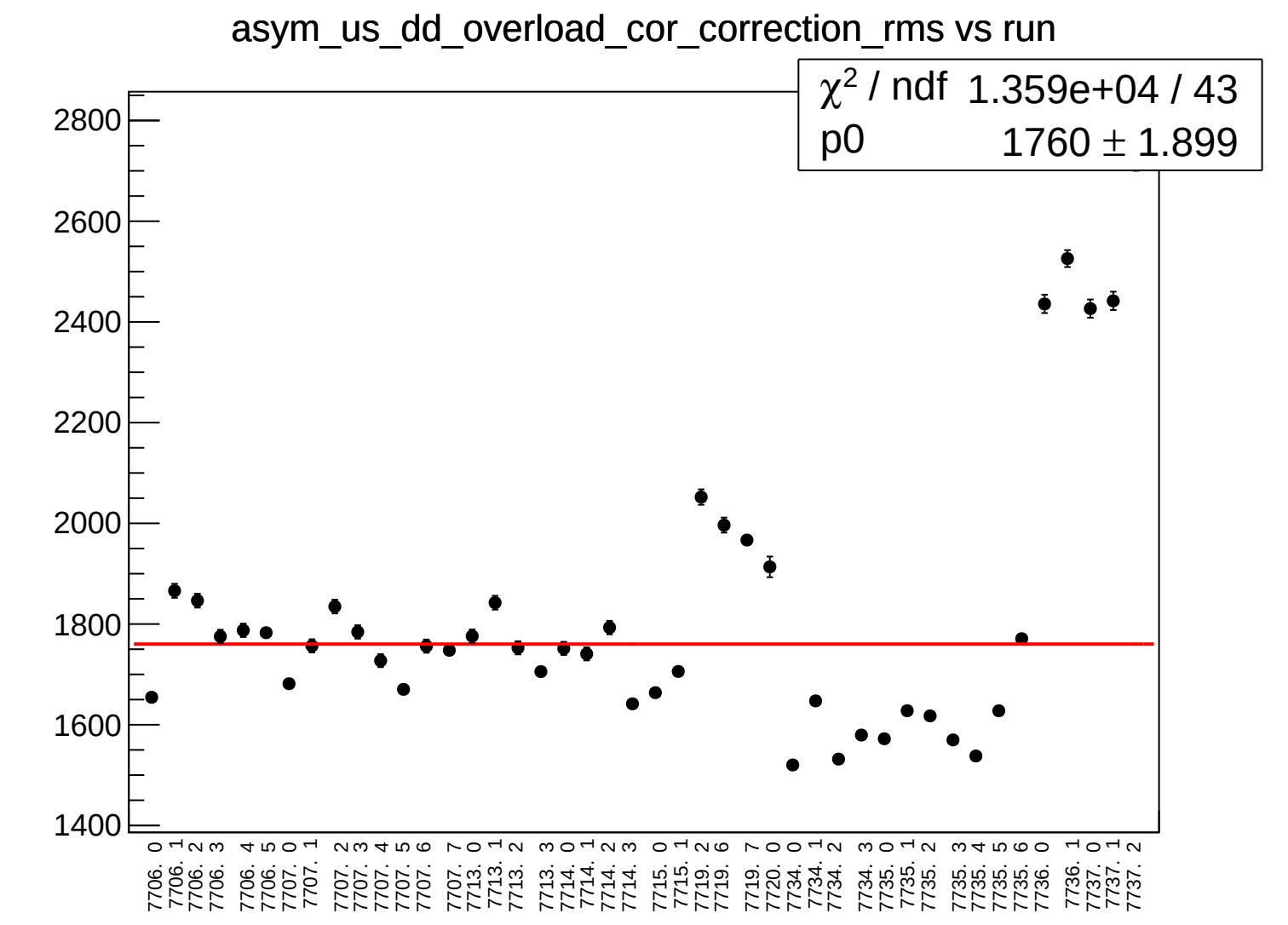

overload_cor_asym_us_dd_mean vs run
χ² / ndf 40.79 / 53
p0 −1207 ± 1147
pull
Entries 54
Mean 126.9
Std Dev 0

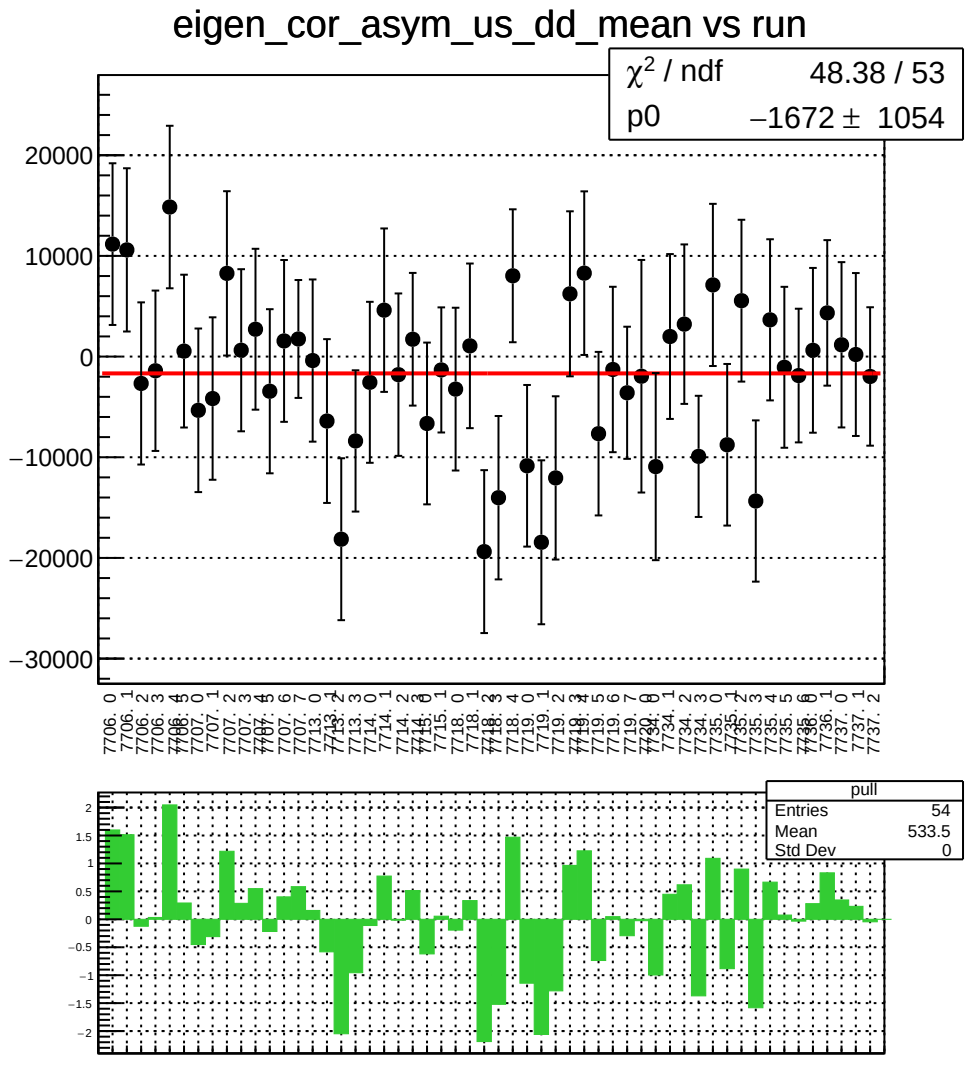

pull1D
Entries 54
Mean −0.02484
Std Dev 0.8687

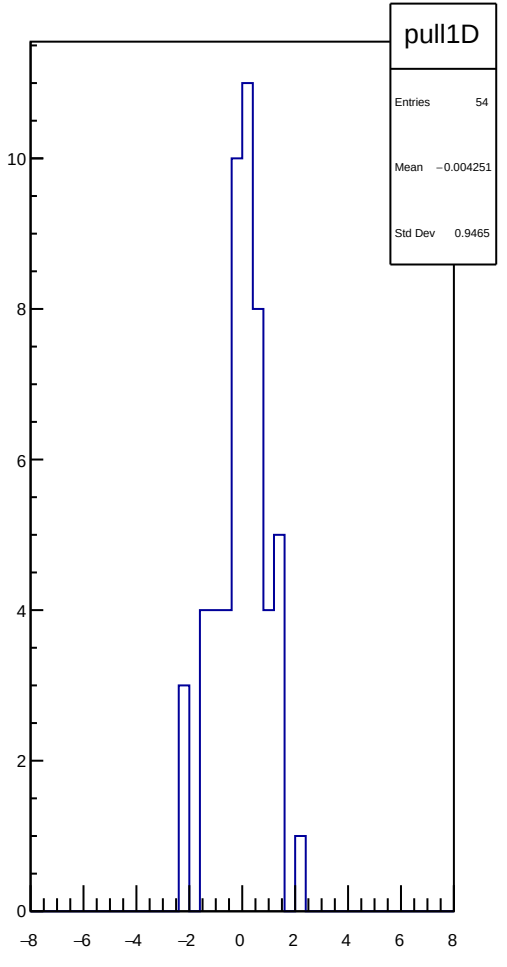

overload_cor_asym_us_dd_rms vs run
χ^2 / ndf 8.176e+04 / 53
p0 803.3 ± 0.8113
2400
2200
2000
1800
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

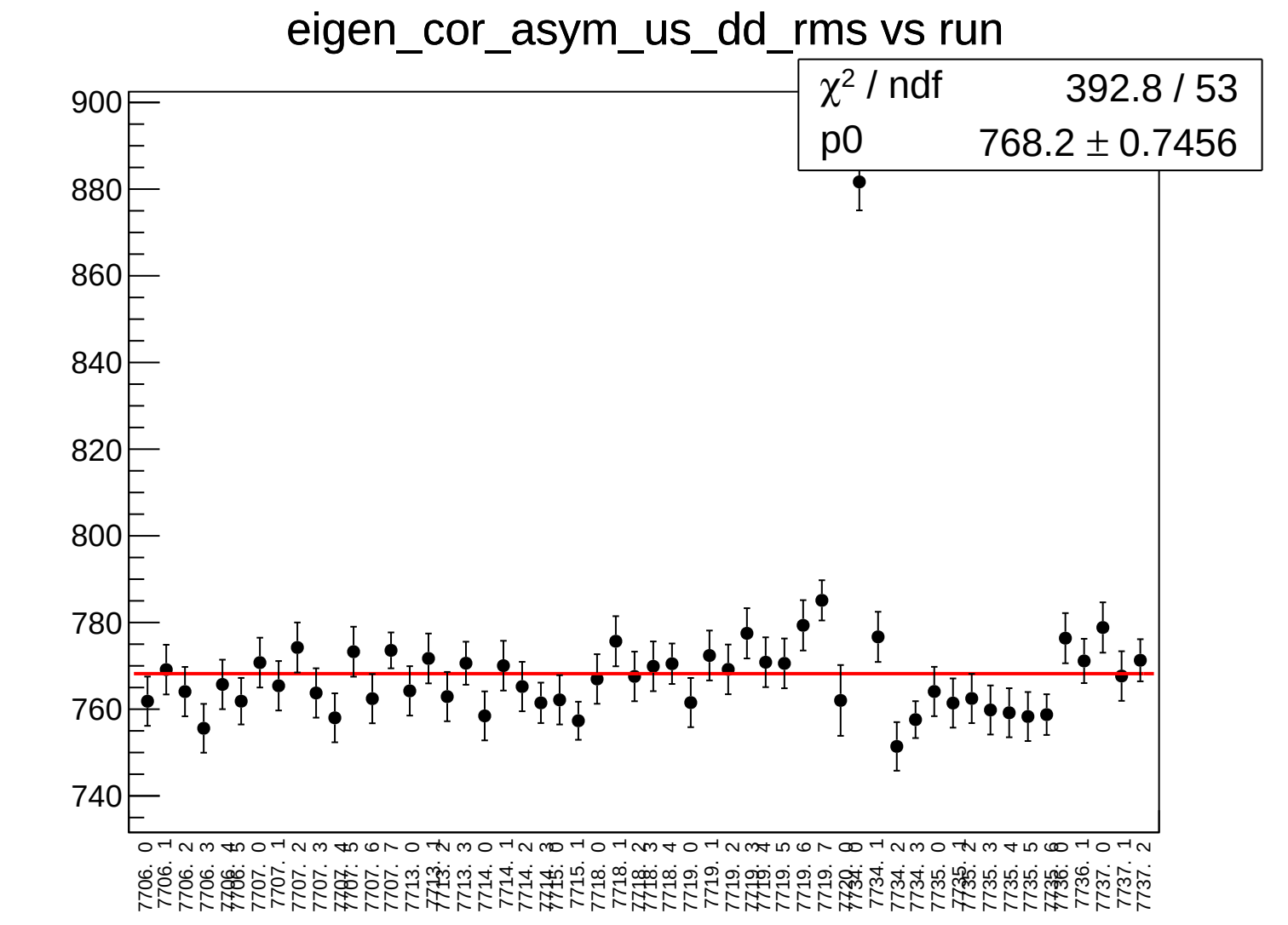

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 29.08 / 43
p0 142.5 ± 2686
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 44
Mean 341.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

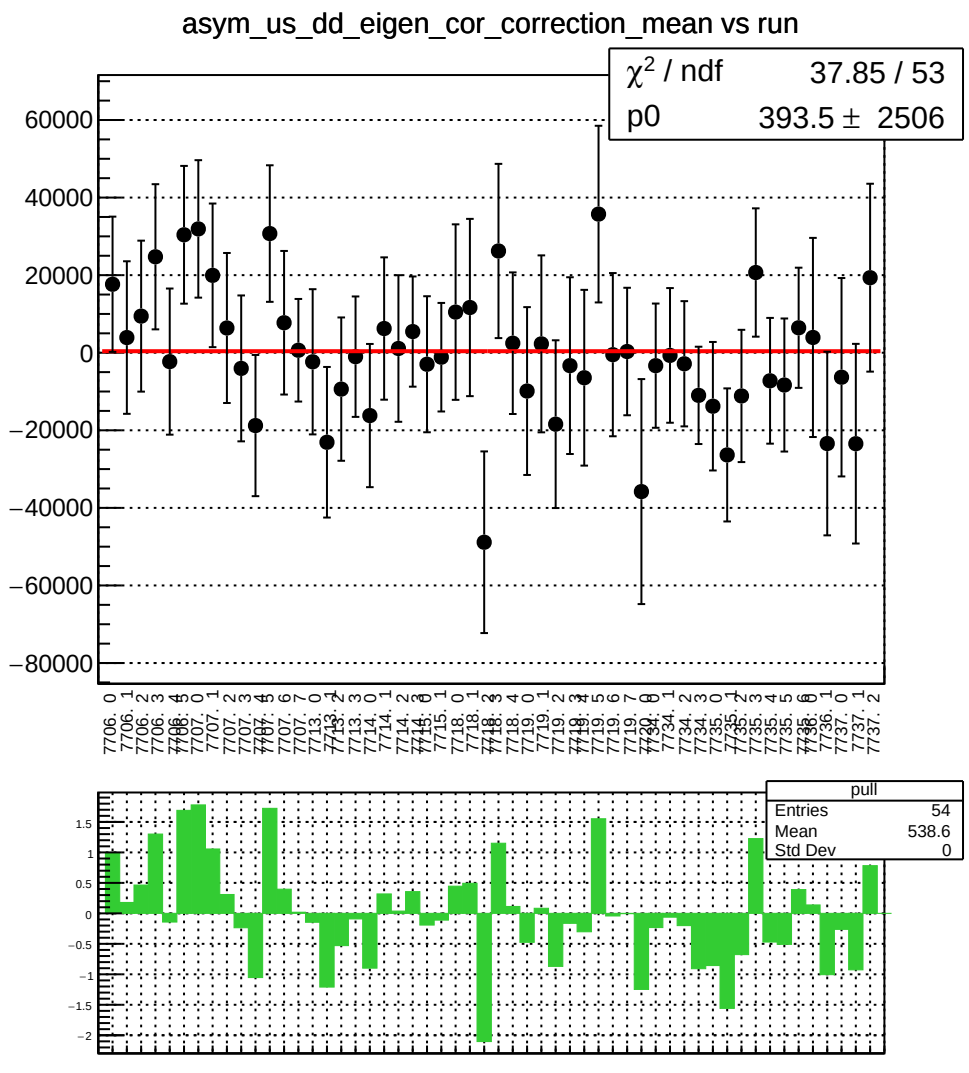

pull1D
Entries 44
Mean −0.01412
Std Dev 0.8129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

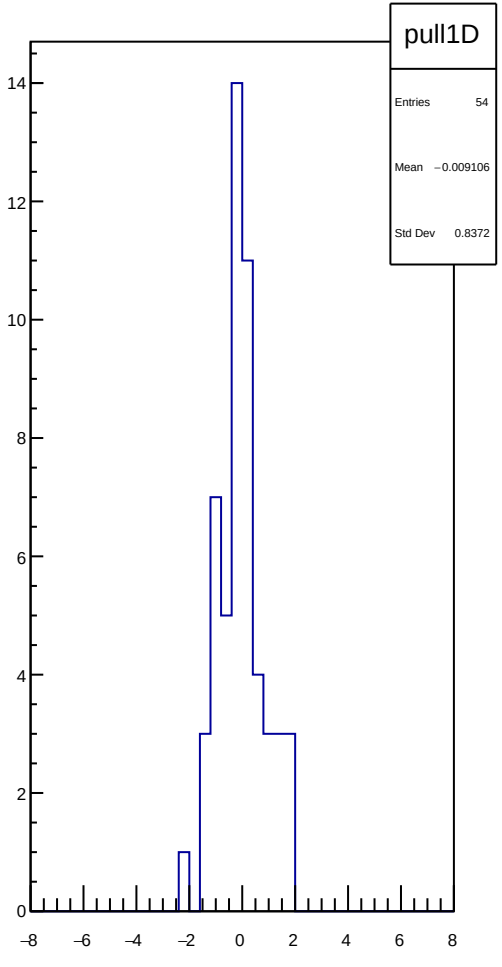

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 1.359e+04 / 43
p0 1760 ± 1.899
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

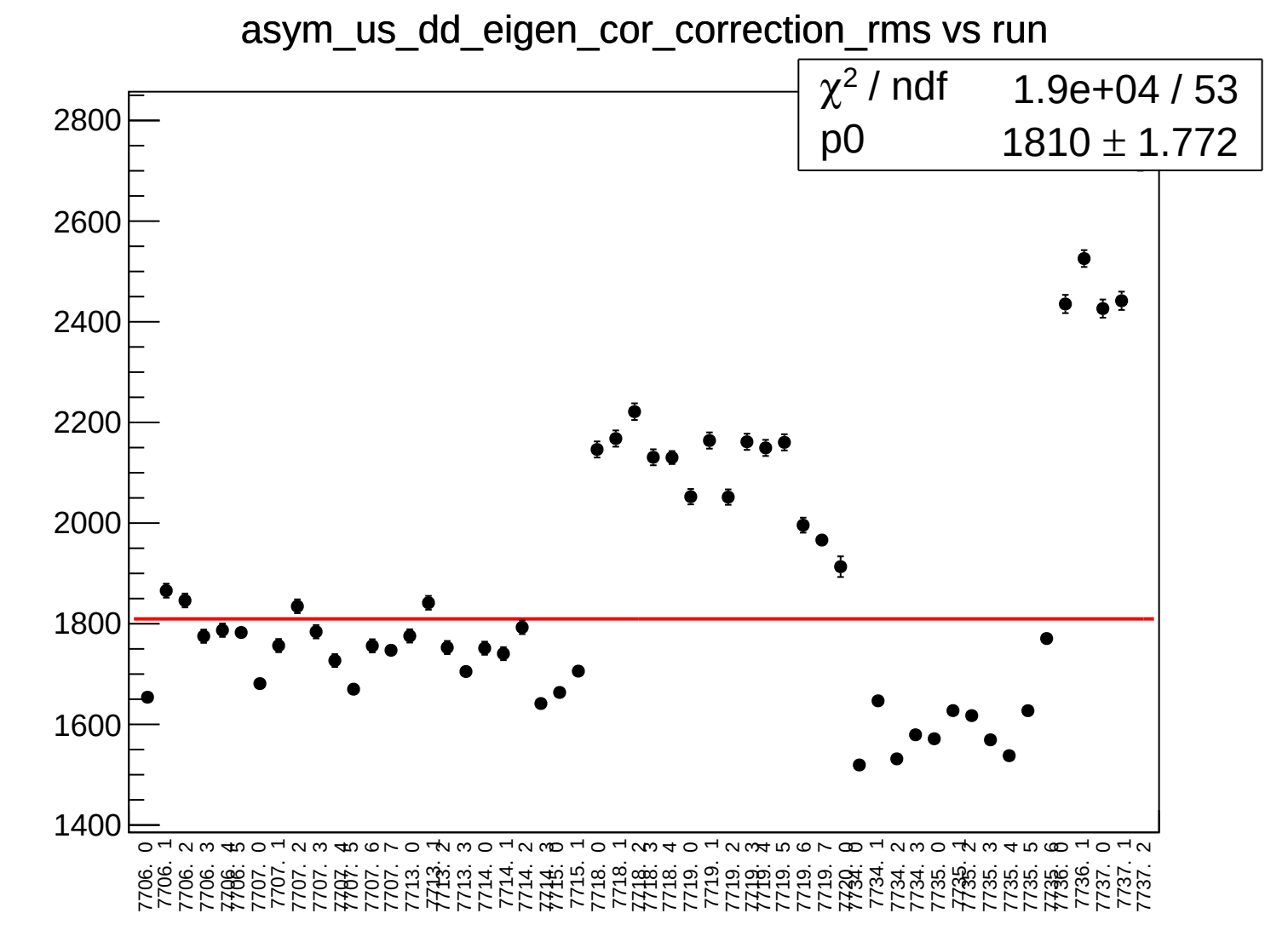

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 48.38 / 53
p0 −1672 ± 1054
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 533.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

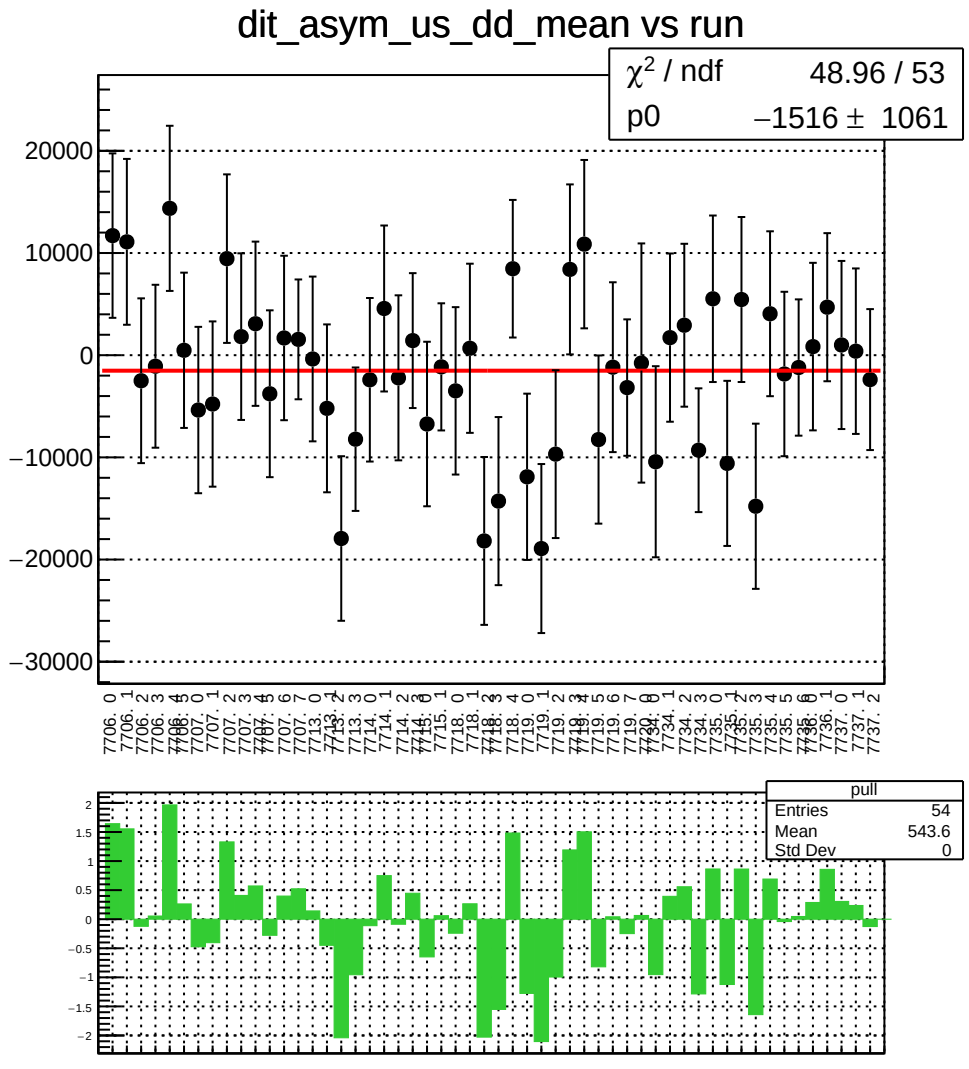

pull1D
Entries 54
Mean −0.004251
Std Dev 0.9465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

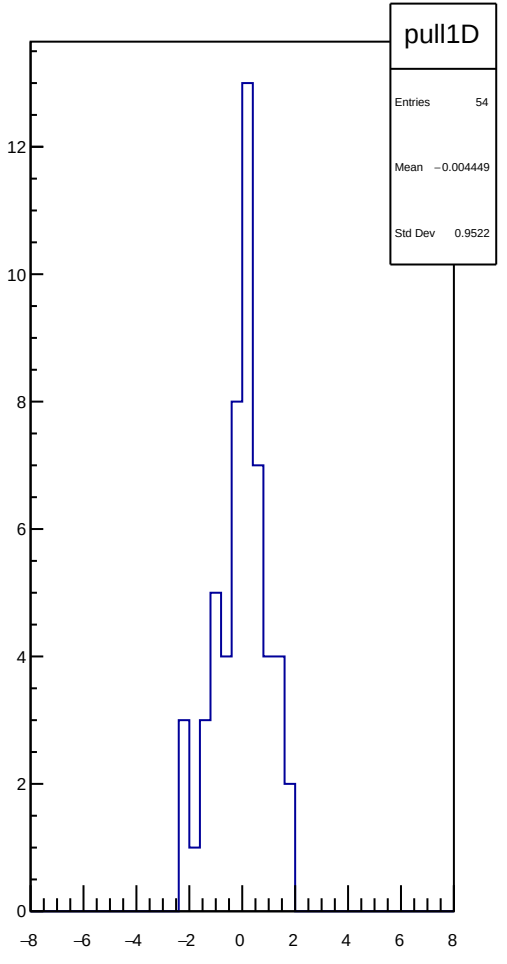

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 392.8 / 53
p0 768.2 ± 0.7456
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

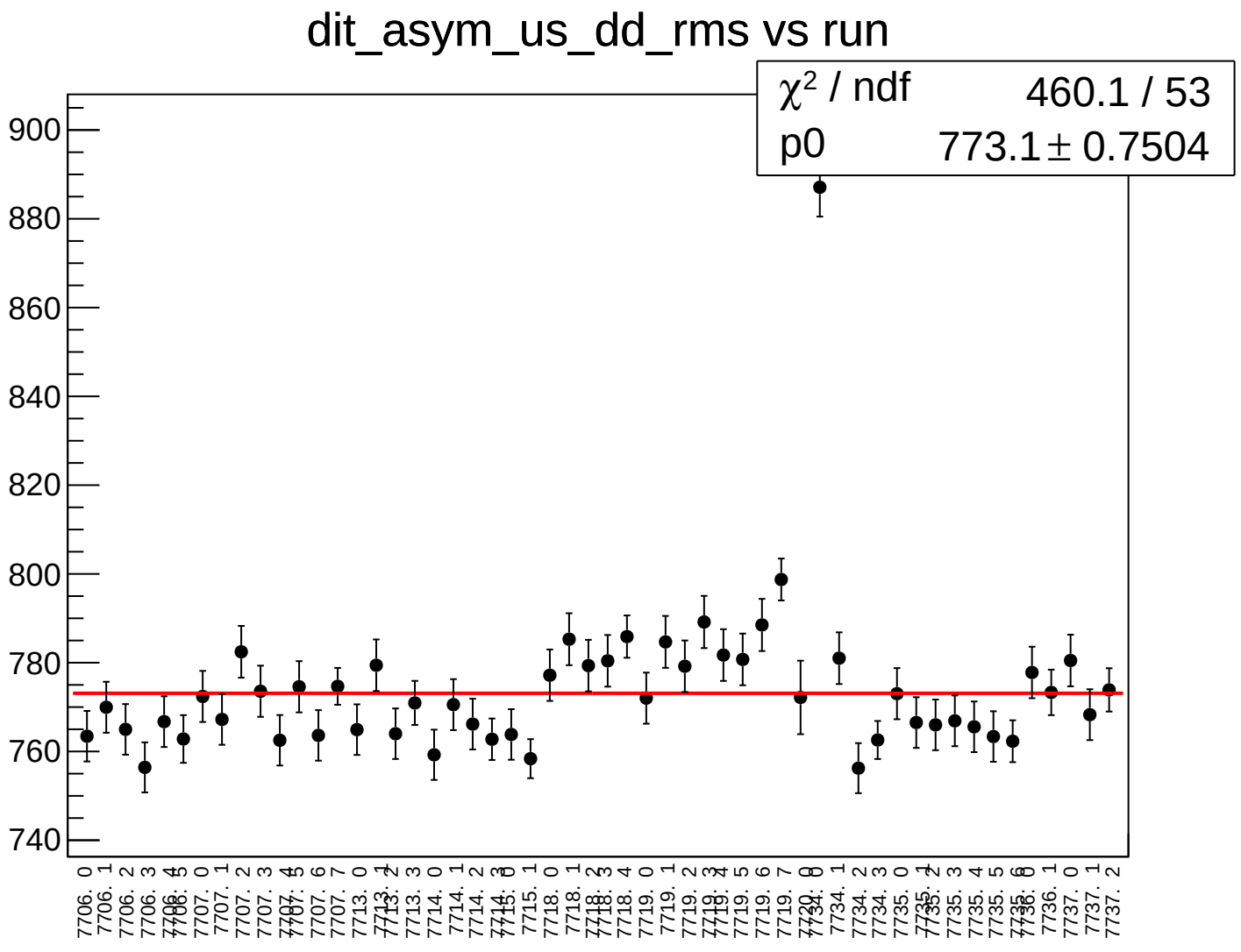

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 37.85 / 53
p0 393.5 ± 2506
pull
Entries 54
Mean 538.6
Std Dev 0

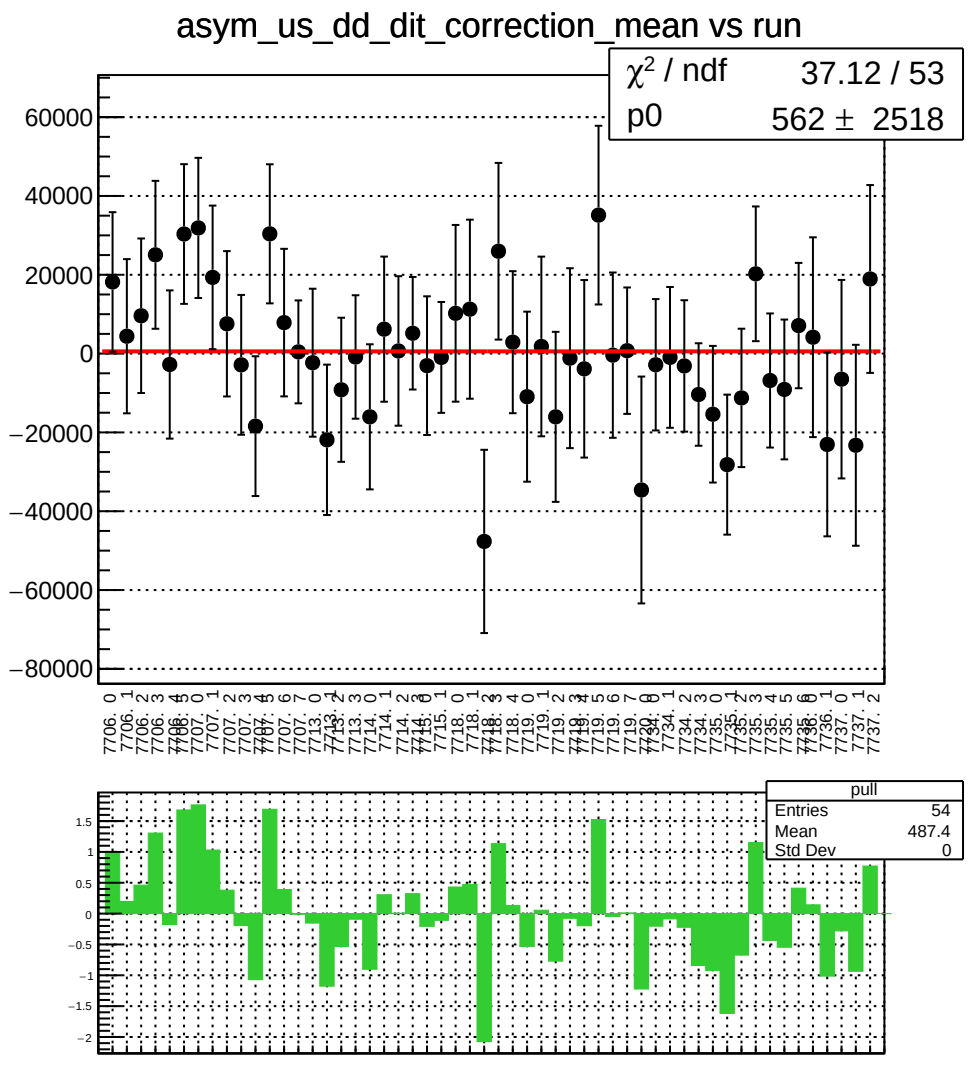

pull1D
Entries 54
Mean −0.009106
Std Dev 0.8372

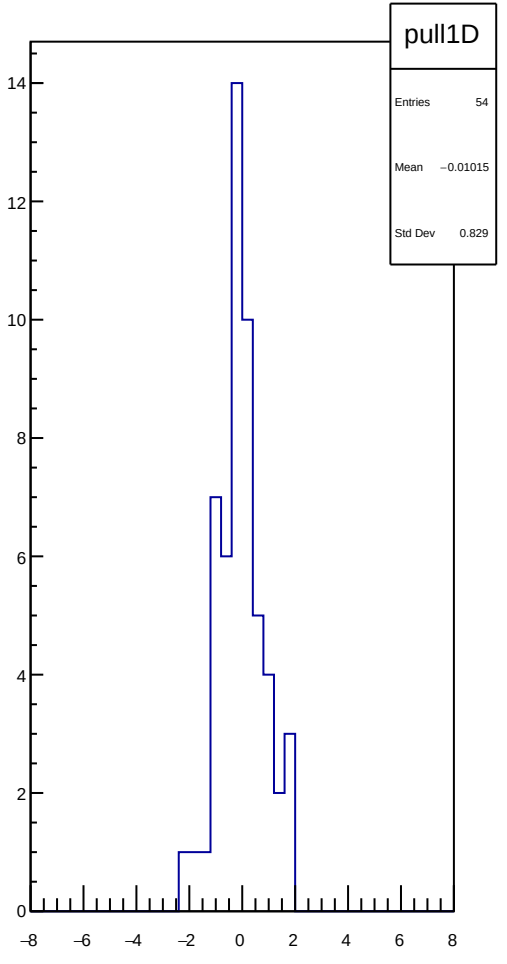

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.9e+04 / 53
p0 1810 ± 1.772
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

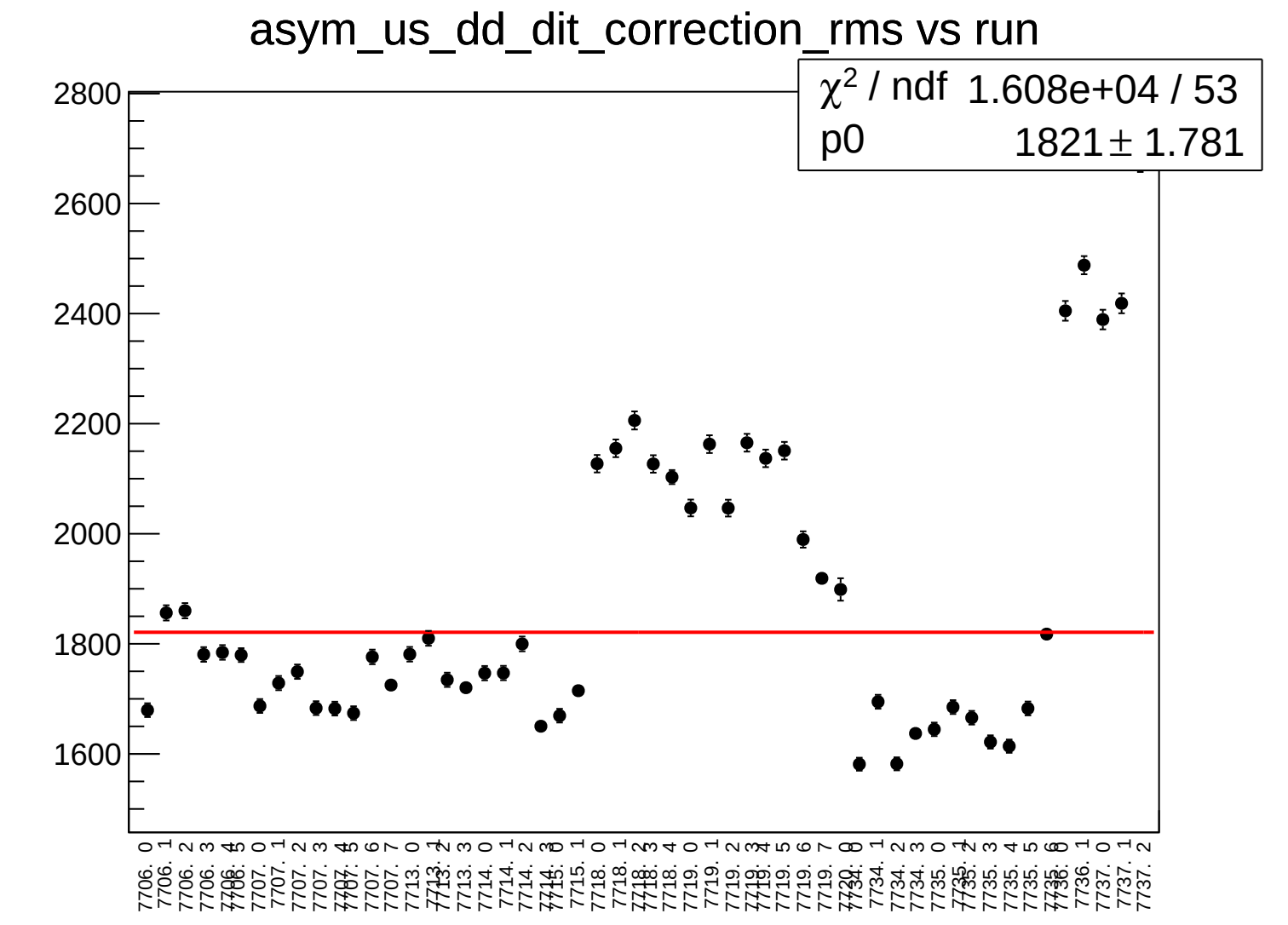

dit_asym_us_dd_mean vs run
χ² / ndf 48.96 / 53
p0 −1516 ± 1061
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 543.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

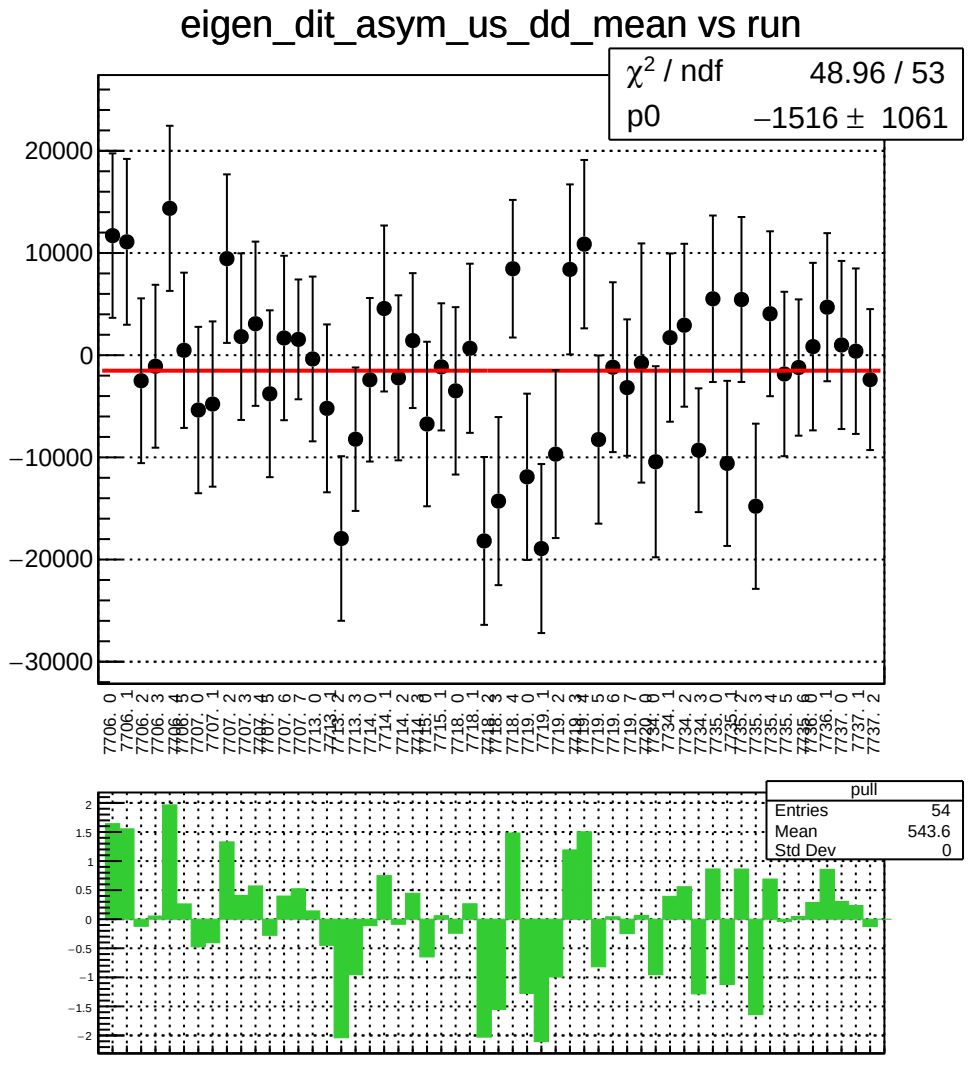

pull1D
Entries 54
Mean −0.004449
Std Dev 0.9522
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

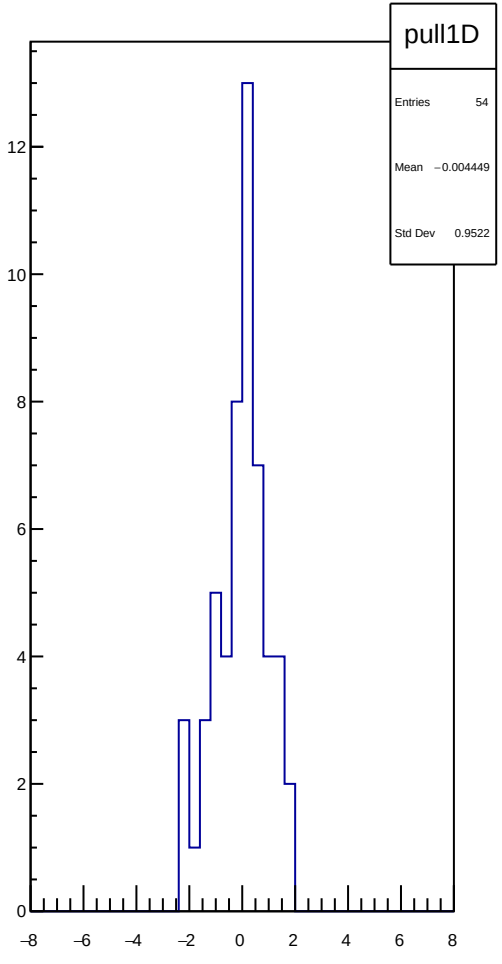

dit_asym_us_dd_rms vs run
χ² / ndf 460.1 / 53
p0 773.1 ± 0.7504
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

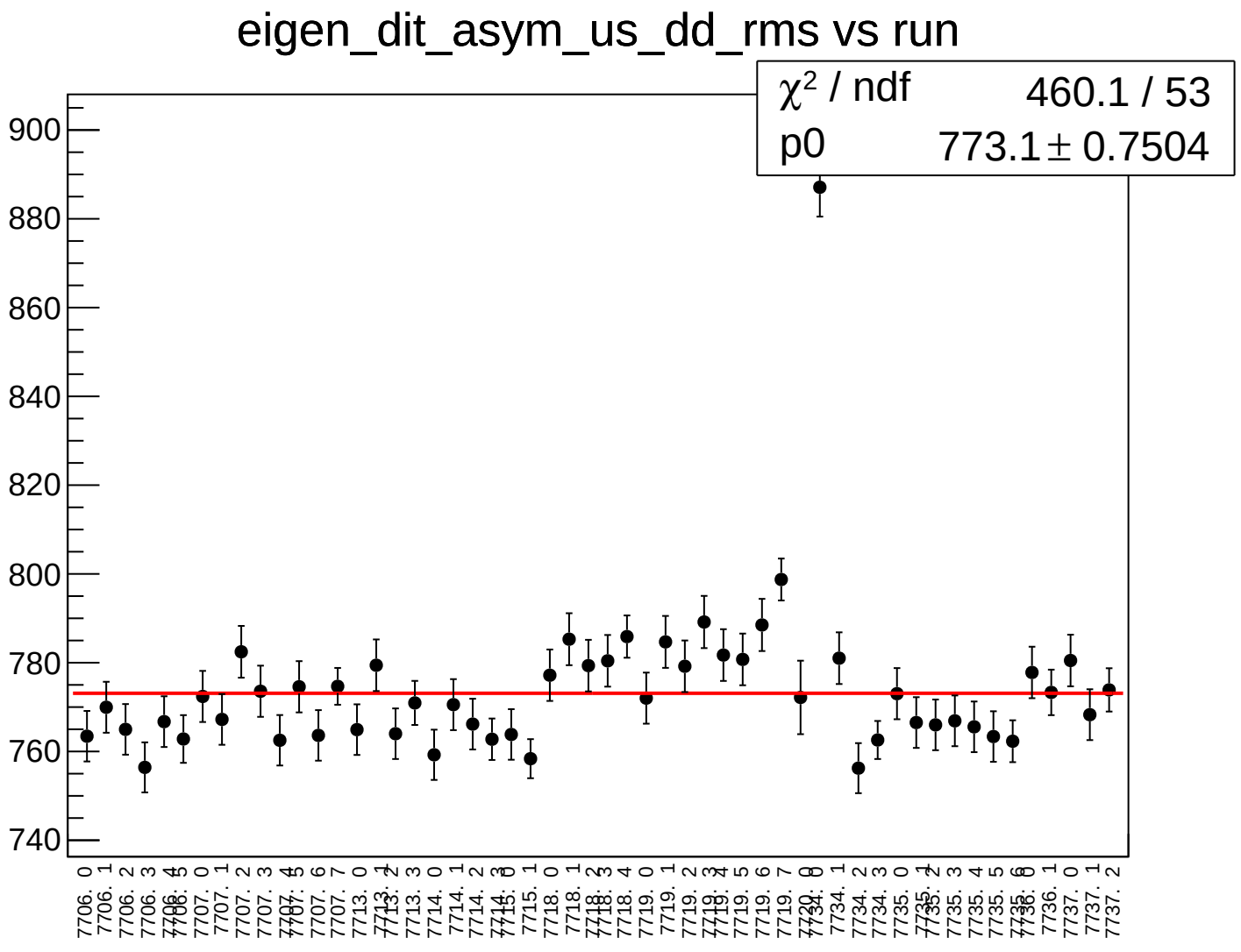

asym_us_dd_dit_correction_mean vs run
χ² / ndf 37.12 / 53
p0 562 ± 2518
pull
Entries 54
Mean 487.4
Std Dev 0

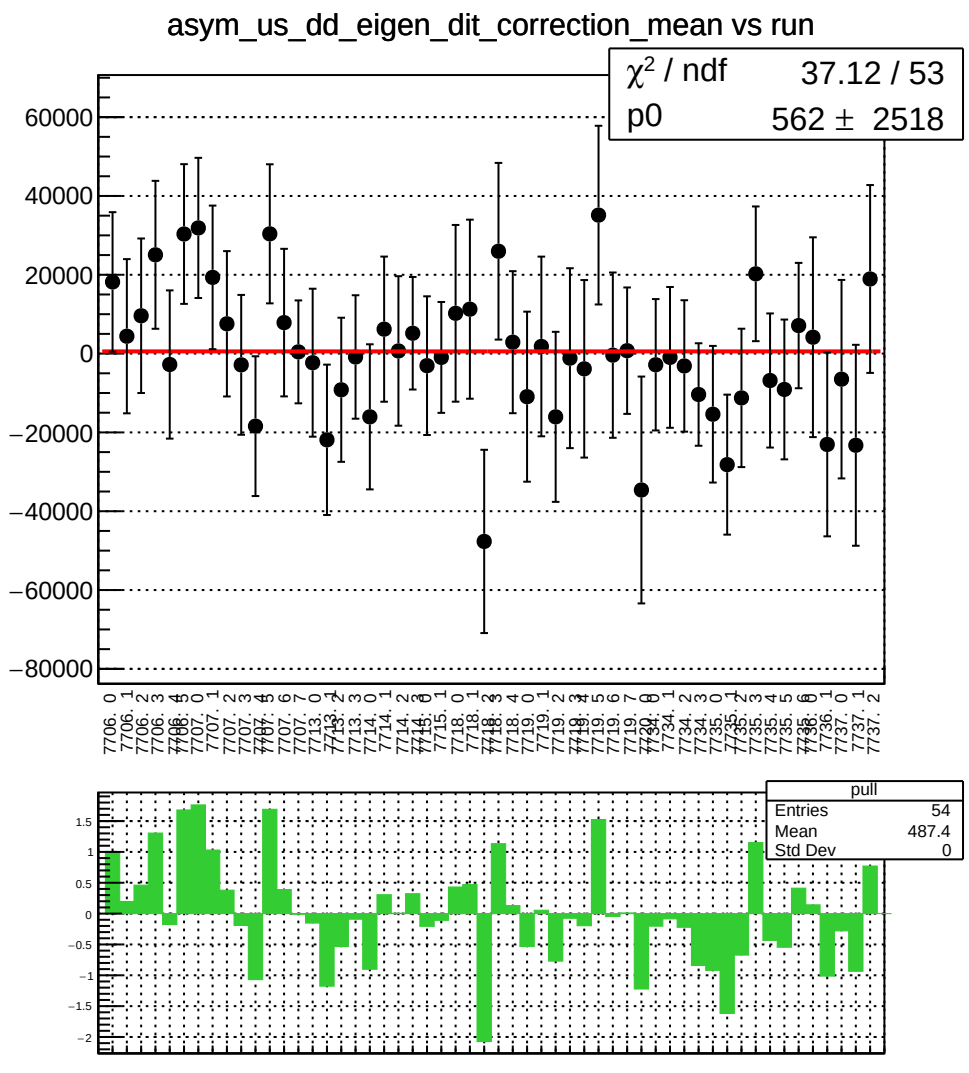

pull1D
Entries 54
Mean −0.01015
Std Dev 0.829

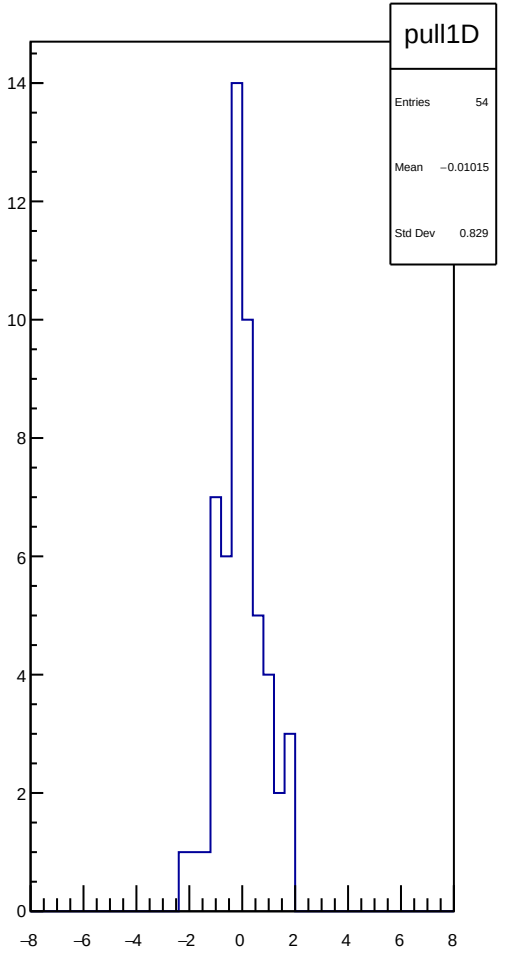

asym_us_dd_dit_correction_rms vs run
χ² / ndf 1.608e+04 / 53
p0 1821 ± 1.781
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

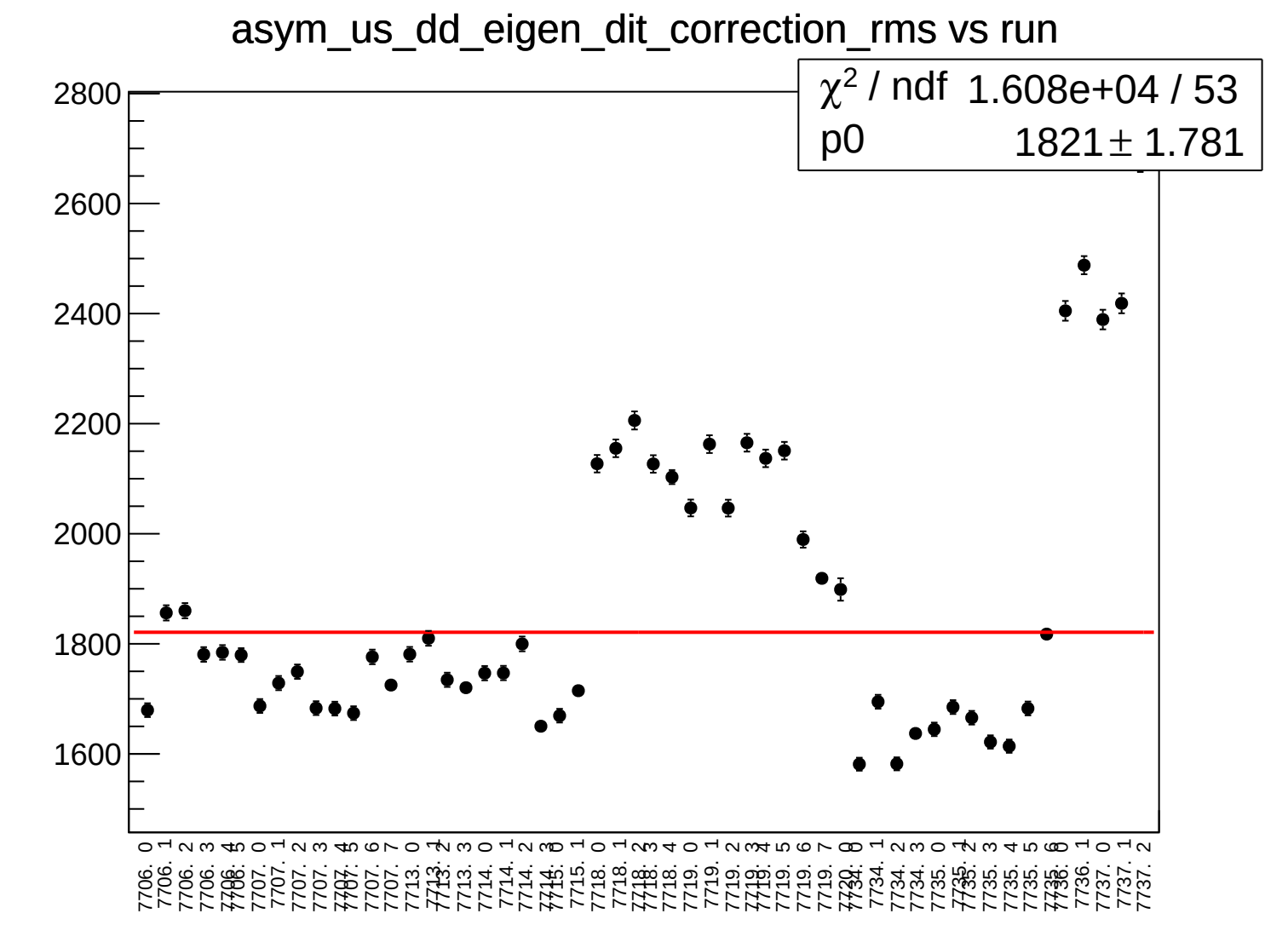

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 48.96 / 53
p0 −1516 ± 1061
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 543.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

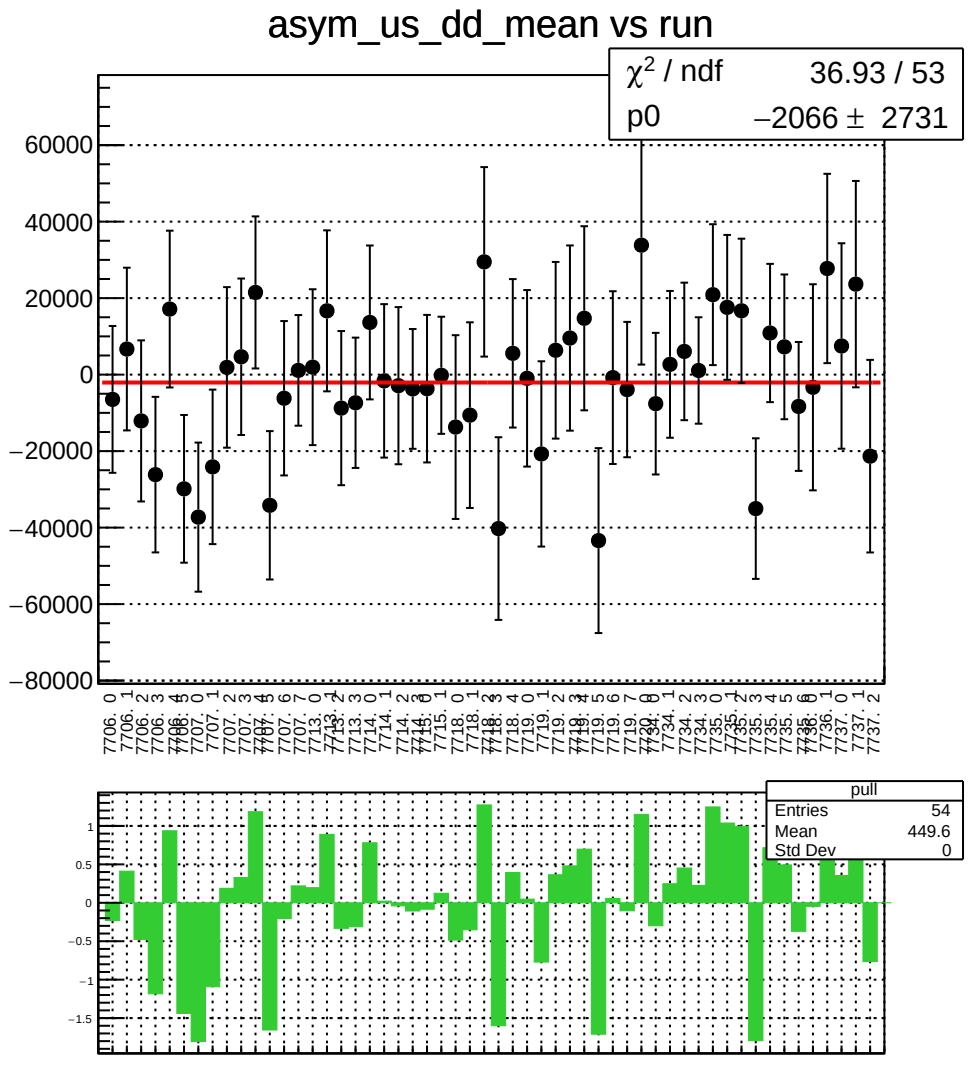

pull1D
Entries 54
Mean −0.004449
Std Dev 0.9522
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

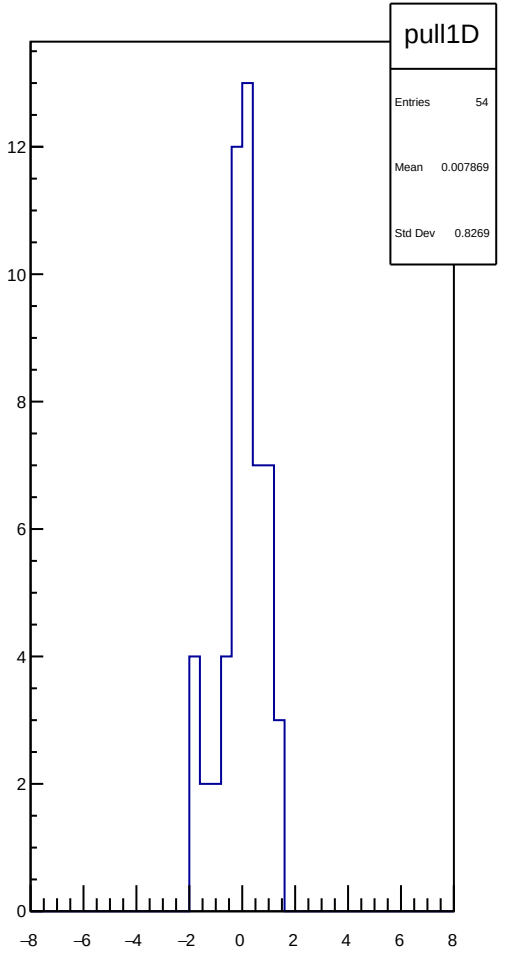

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 460.1 / 53
p0 773.1 ± 0.7504
900
880
860
840
820
800
780
760
740
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

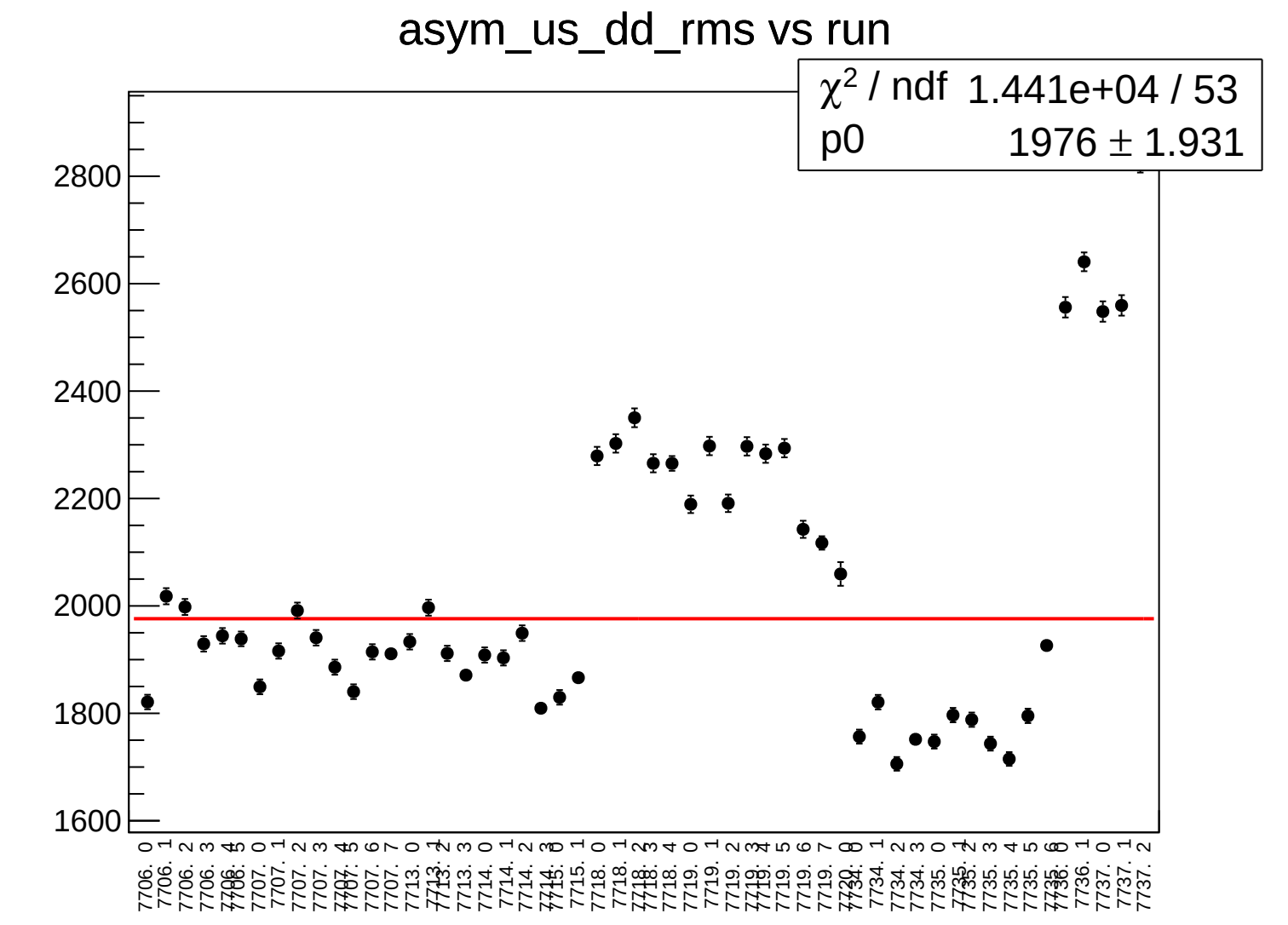

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.12 / 53
p0 562 ± 2518
pull
Entries 54
Mean 487.4
Std Dev 0

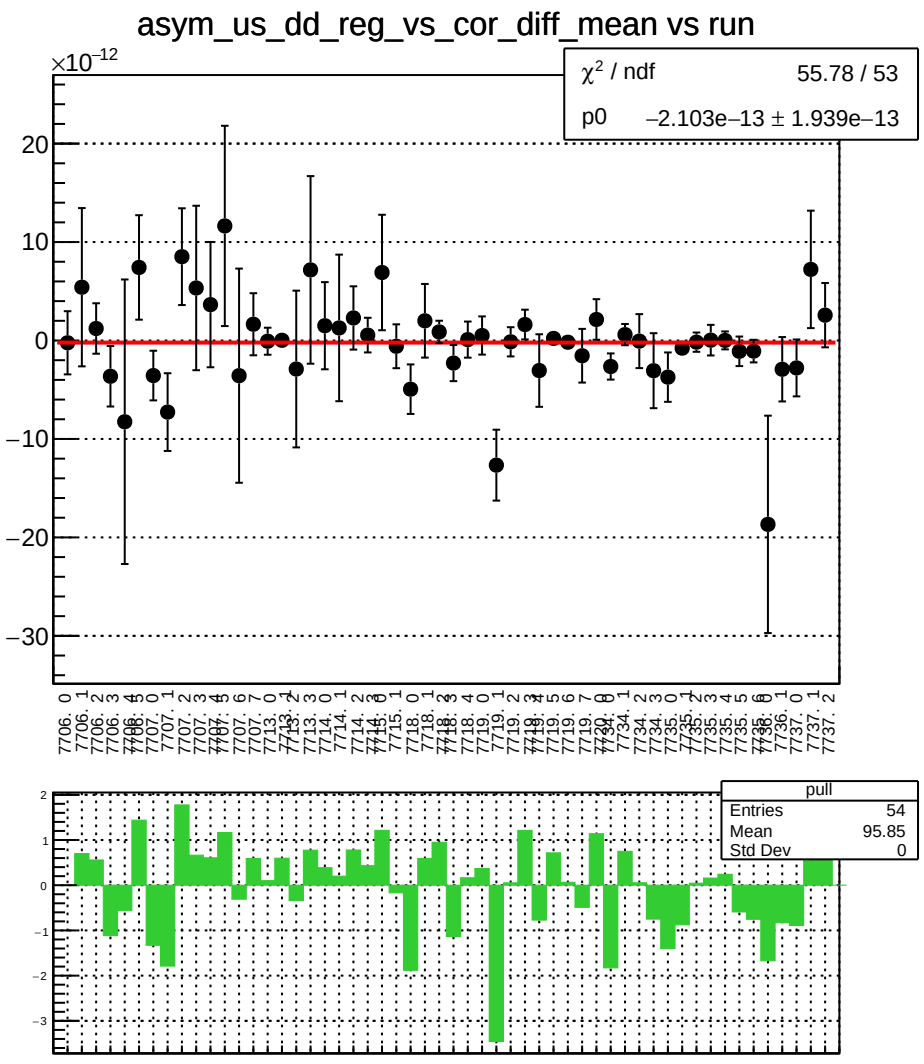

pull1D
Entries 54
Mean −0.01015
Std Dev 0.829

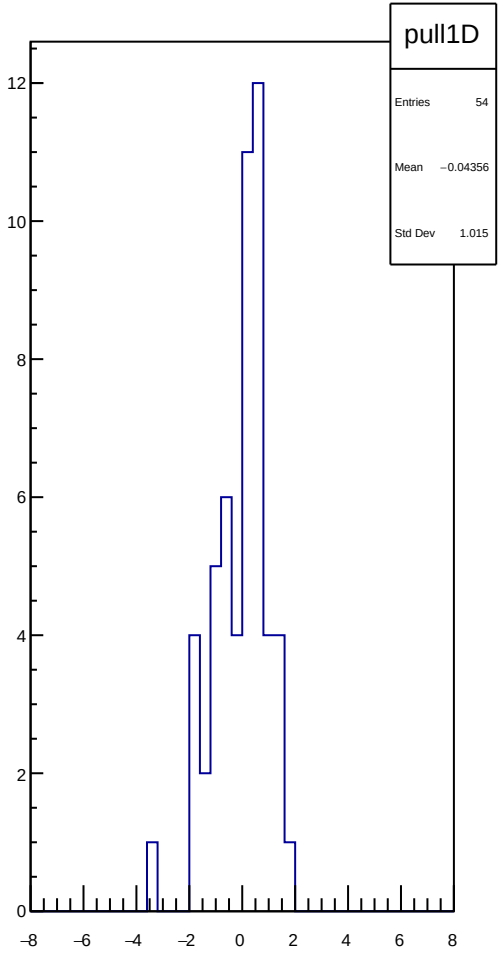

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.608e+04 / 53
p0 1821 ± 1.781
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

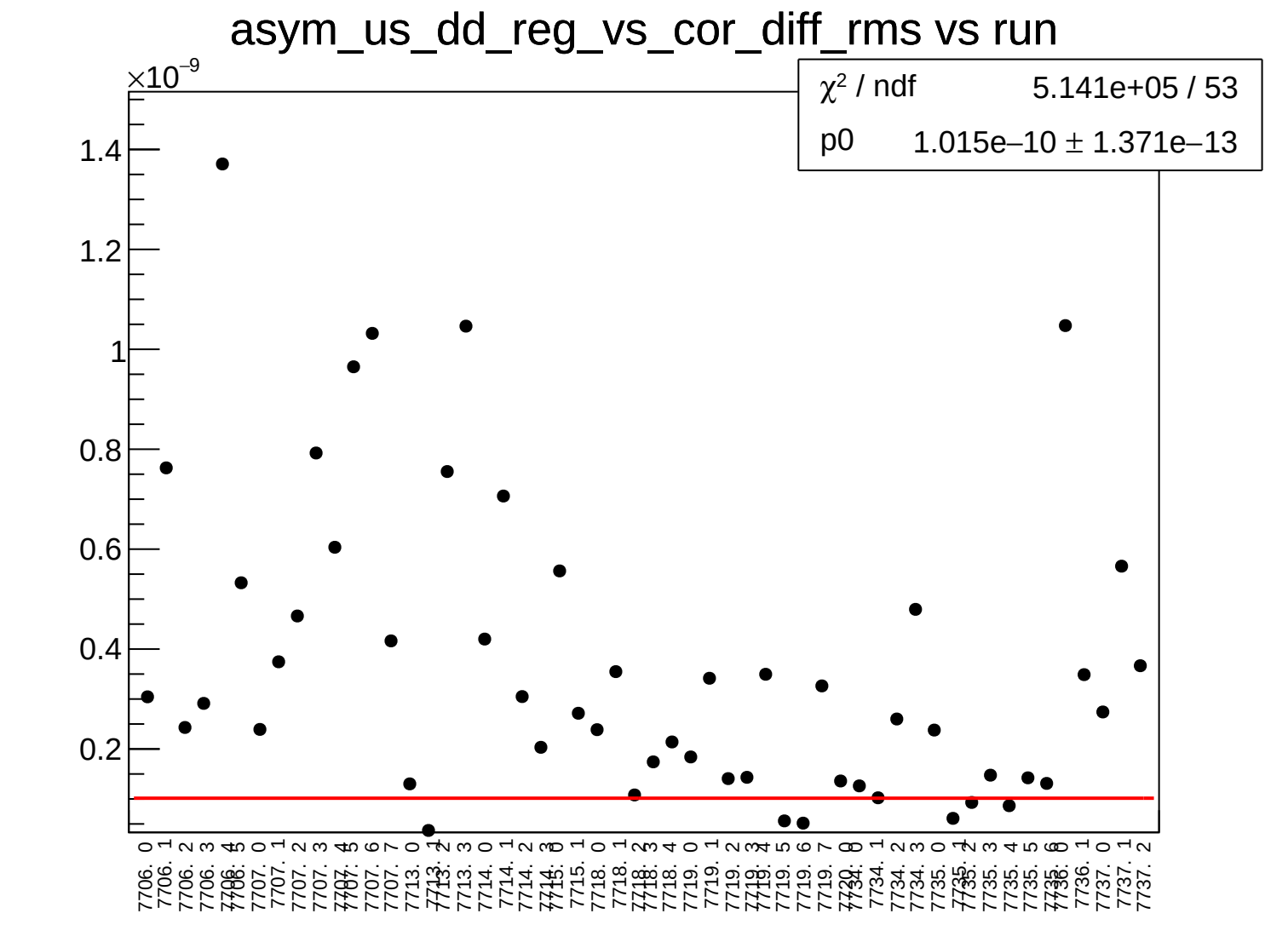

asym_us_dd_mean vs run
χ² / ndf 36.93 / 53
p0 −2066 ± 2731
pull
Entries 54
Mean 449.6
Std Dev 0

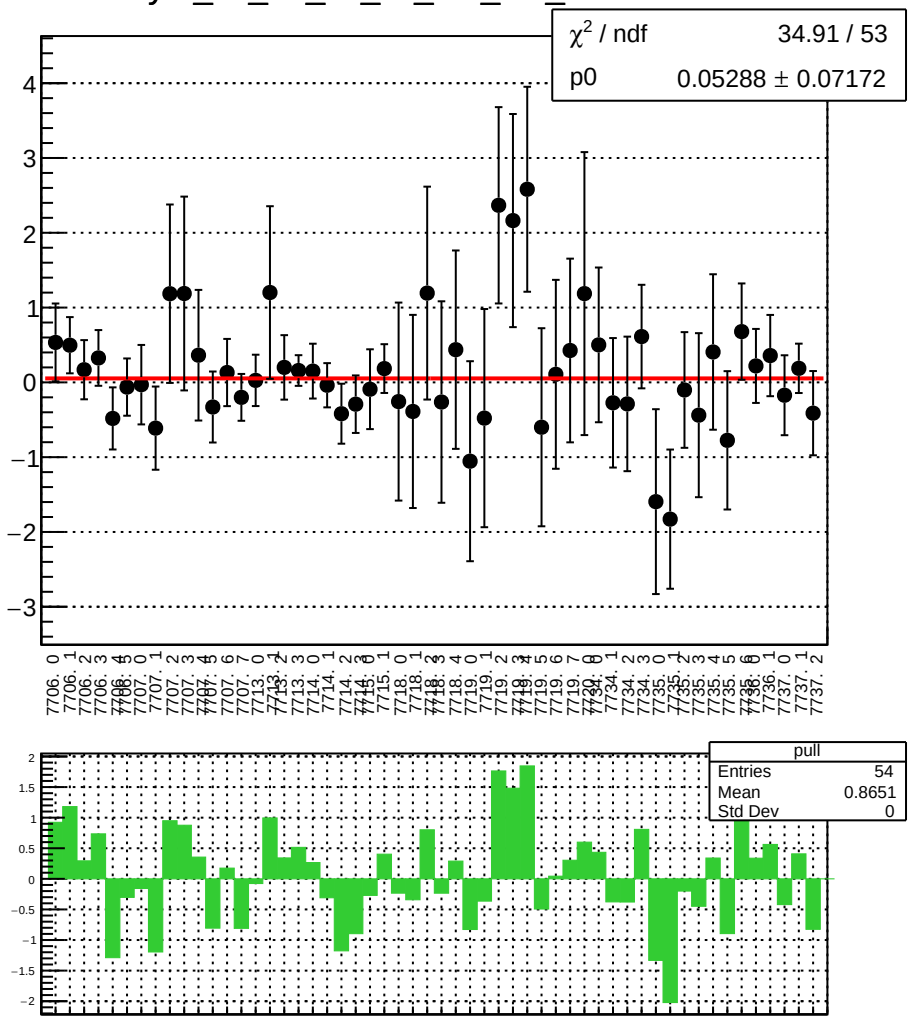

pull1D
Entries 54
Mean 0.007869
Std Dev 0.8269

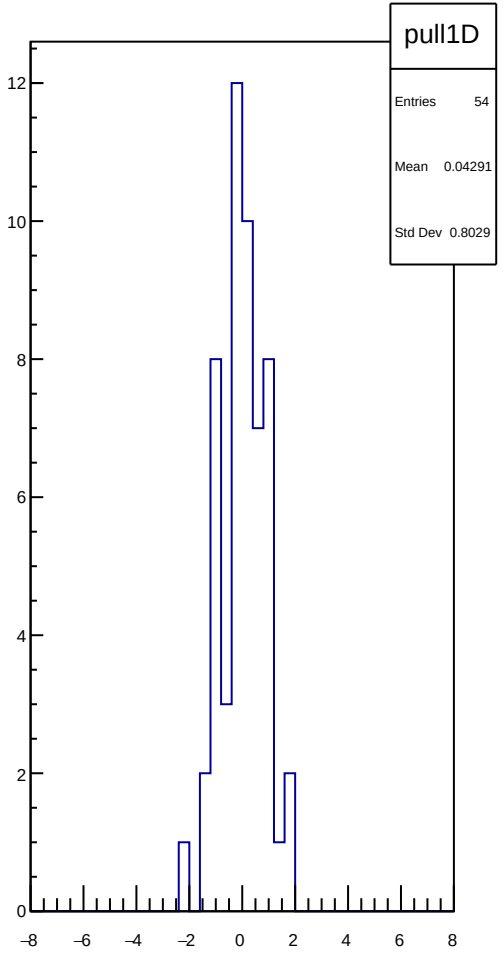

asym_us_dd_rms vs run
χ² / ndf 1.441e+04 / 53
p0 1976 ± 1.931
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

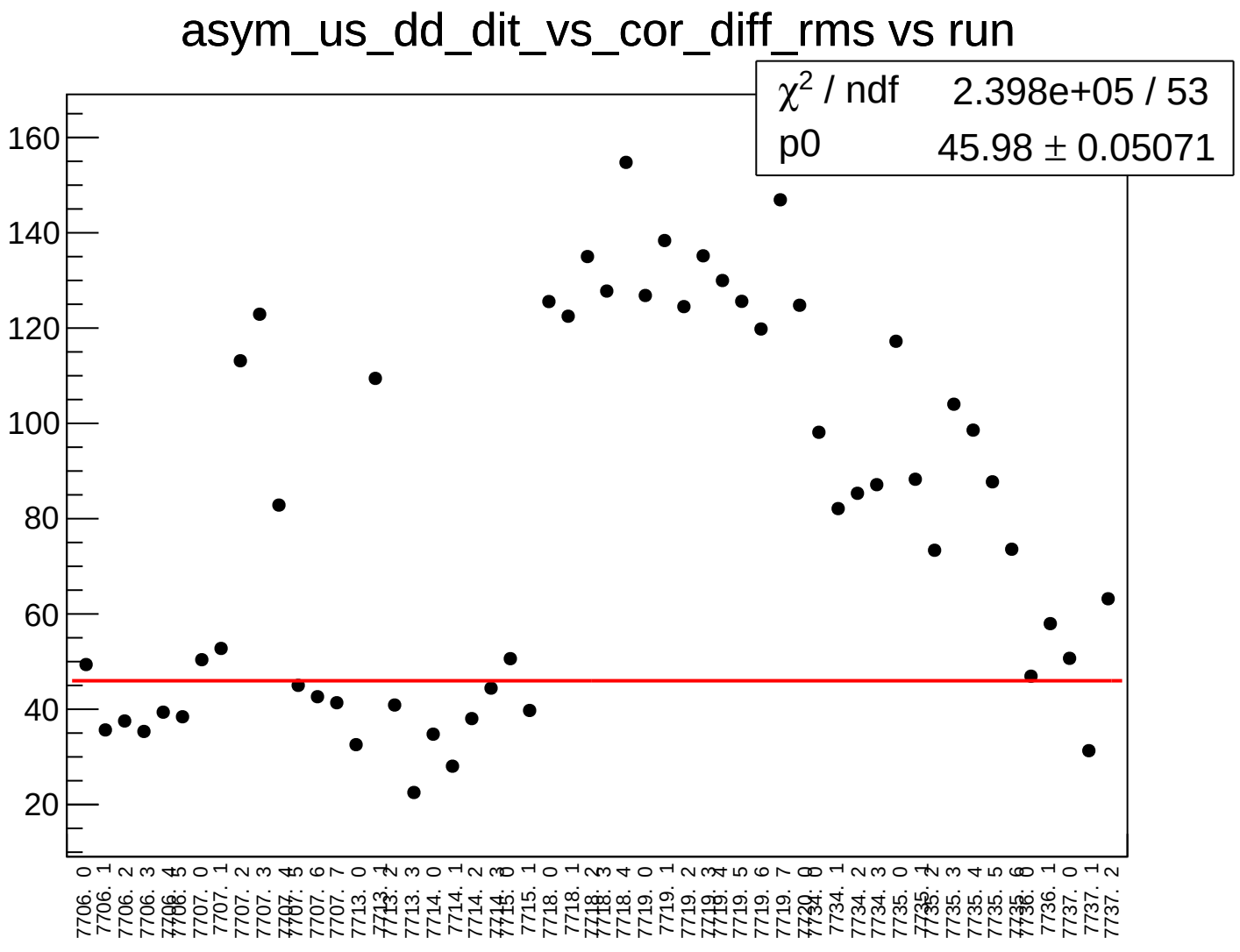

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.78 / 53
p0 −2.103e−13 ± 1.939e−13
pull
Entries 54
Mean 95.85
Std Dev 0

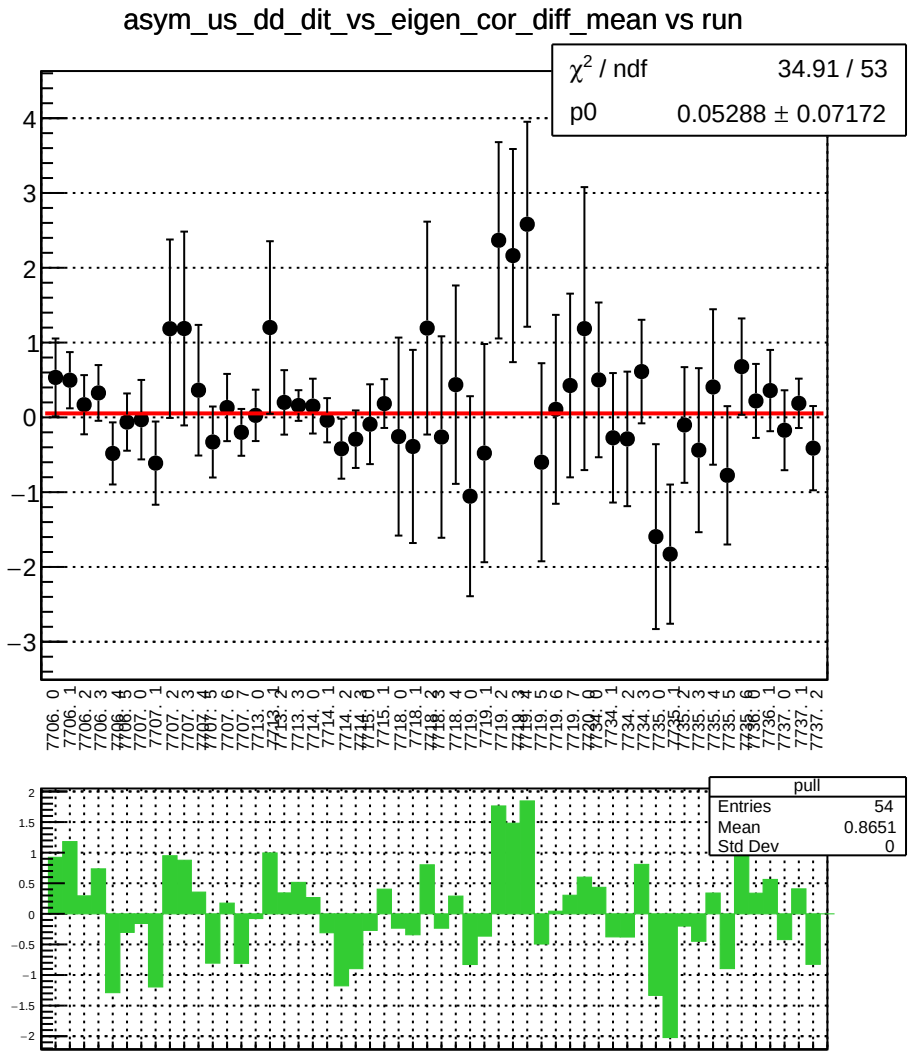

pull1D
Entries 54
Mean −0.04356
Std Dev 1.015

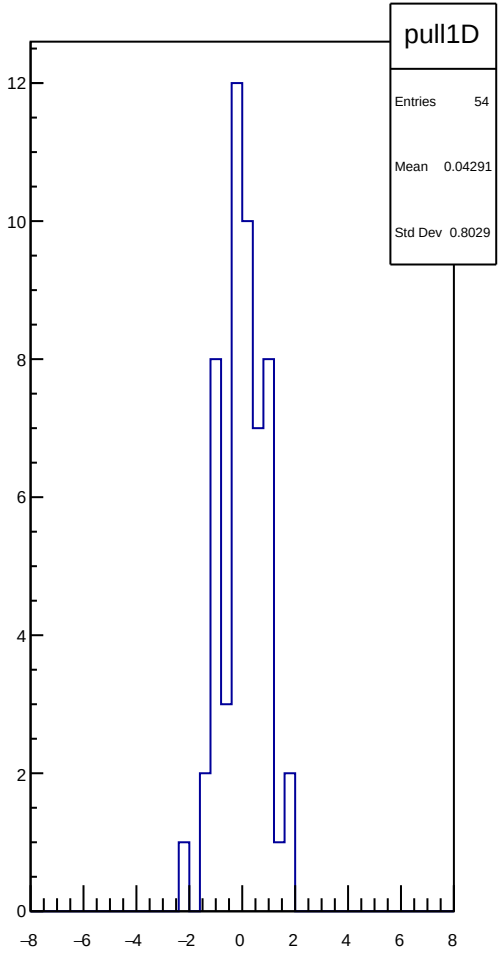

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.141e+05 / 53
p0 1.015e−10 ± 1.371e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

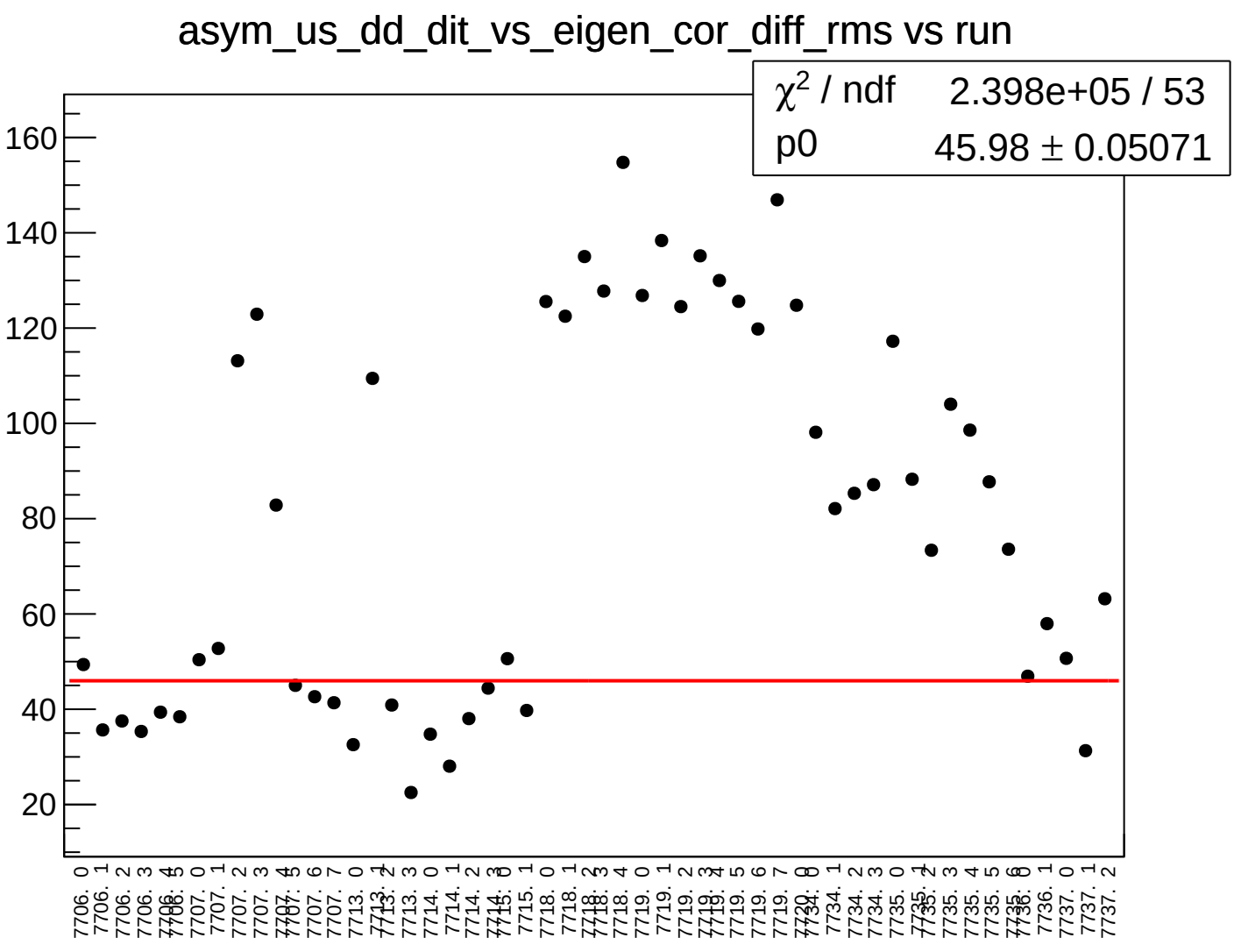

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.91 / 53
p0 0.05288 ± 0.07172
pull
Entries 54
Mean 0.8651
Std Dev 0

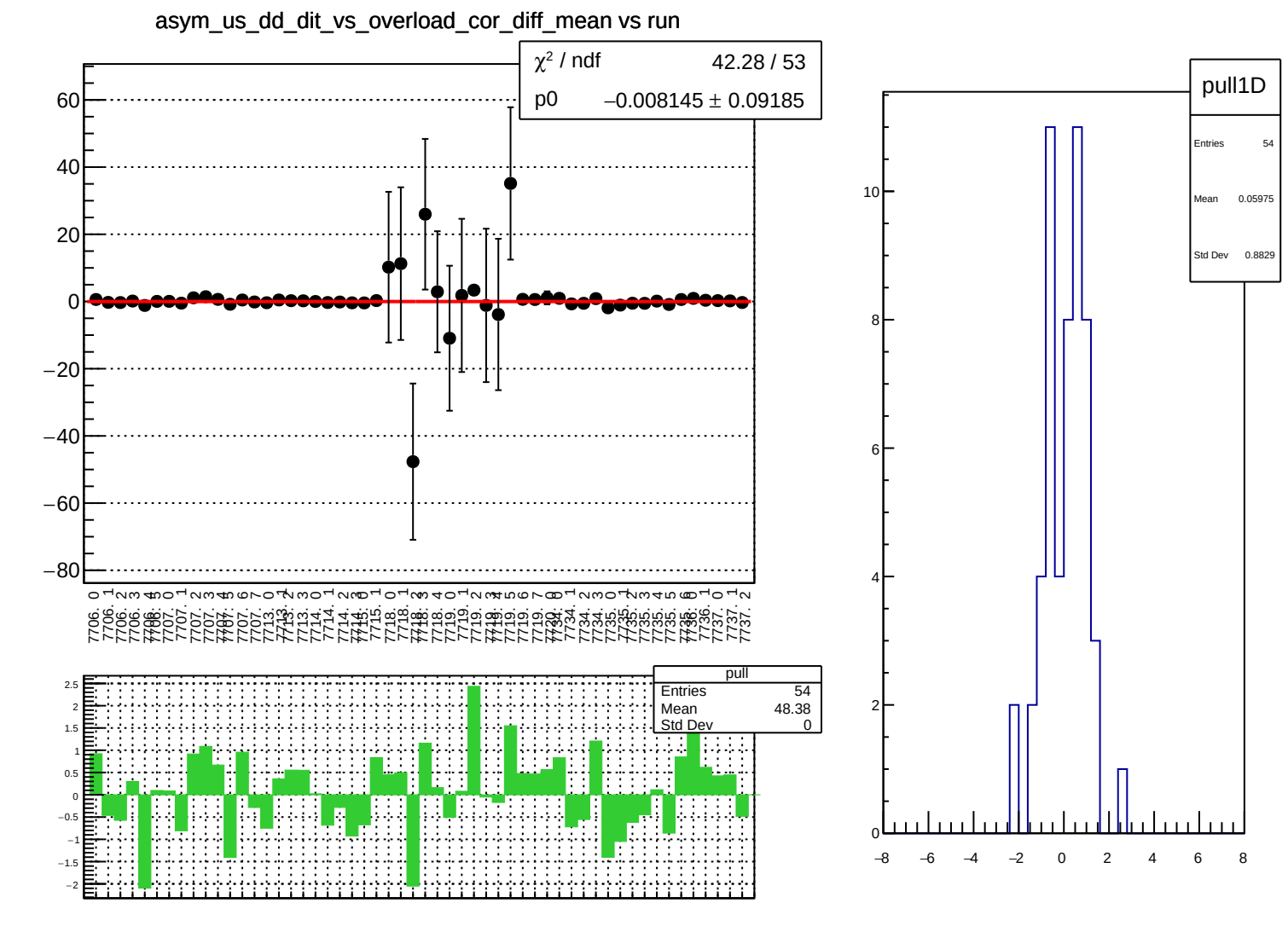

pull1D
Entries 54
Mean 0.04291
Std Dev 0.8029

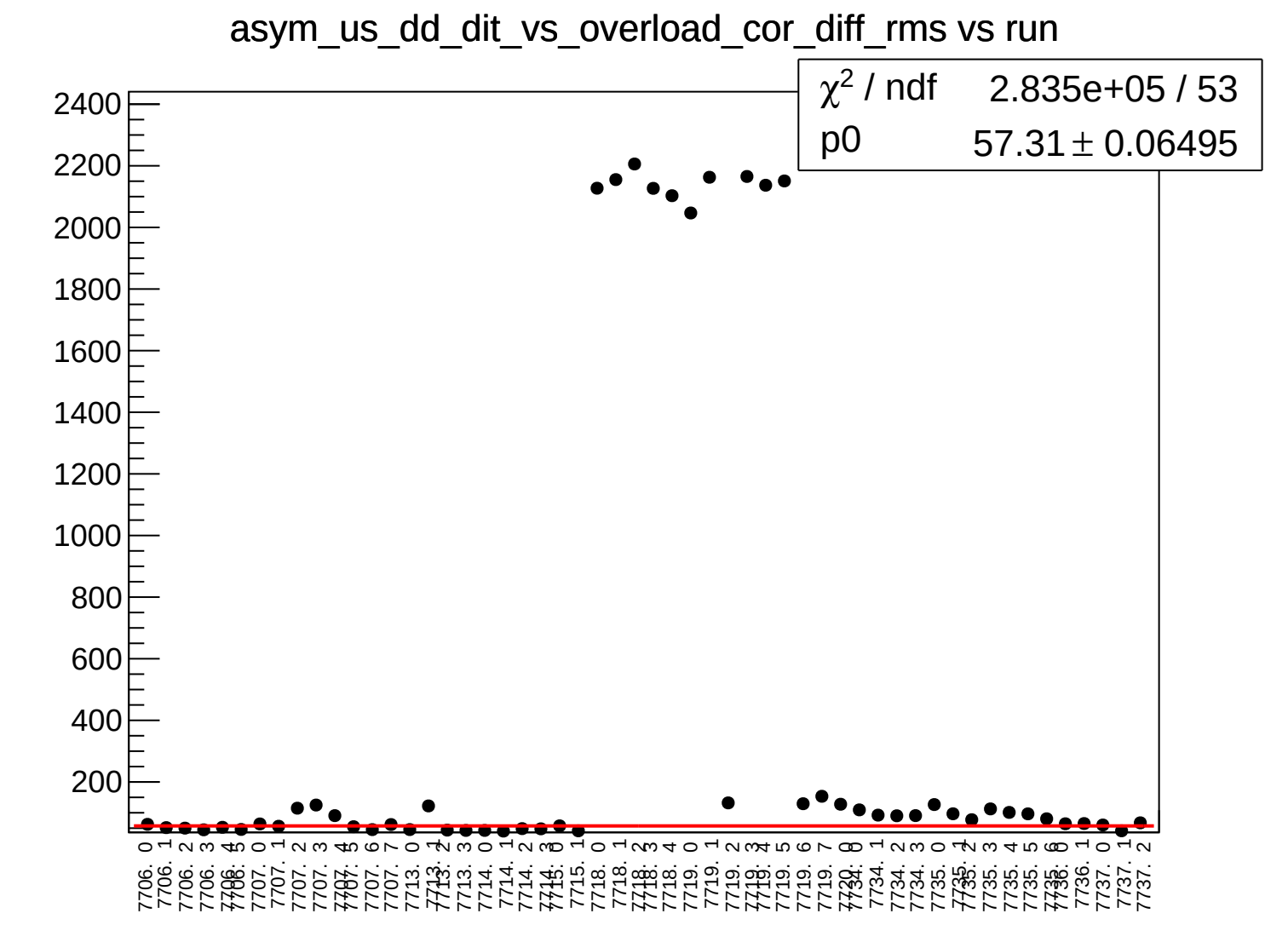

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 45.98 ± 0.05071
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

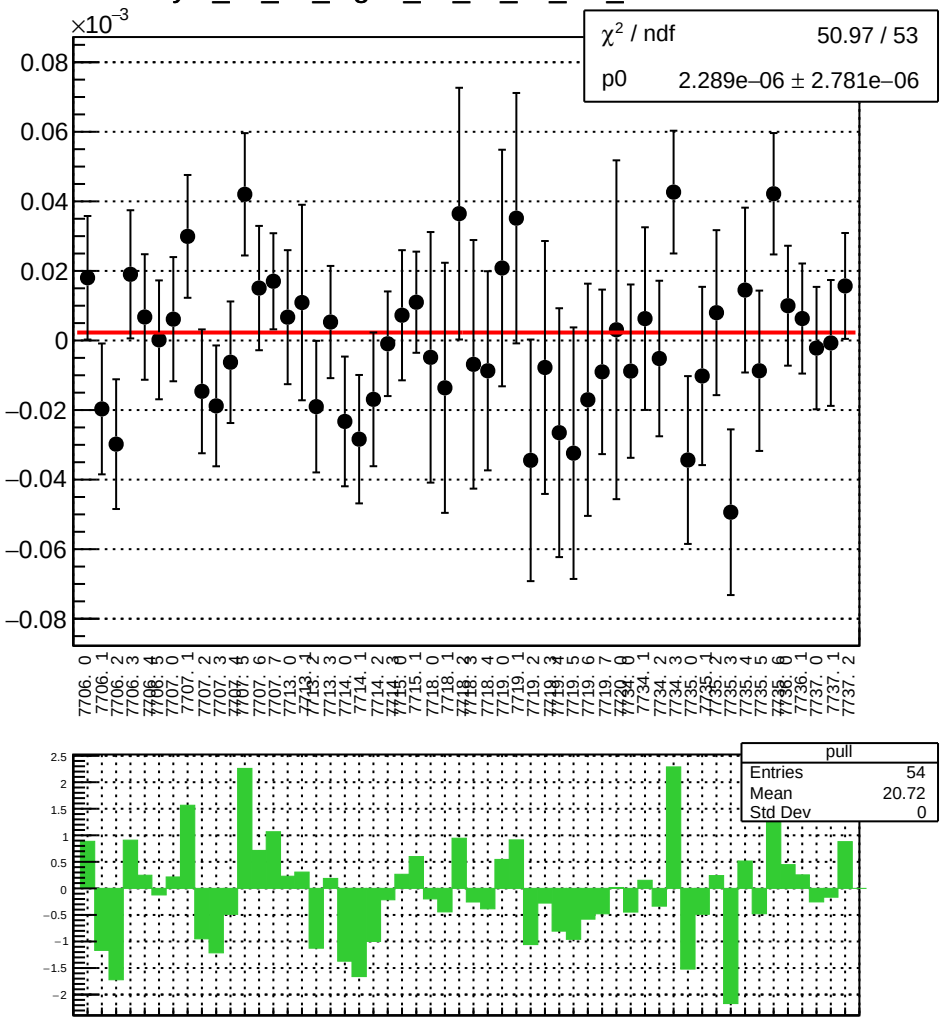

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.91 / 53
p0 0.05288 ± 0.07172
pull
Entries 54
Mean 0.8651
Std Dev 0

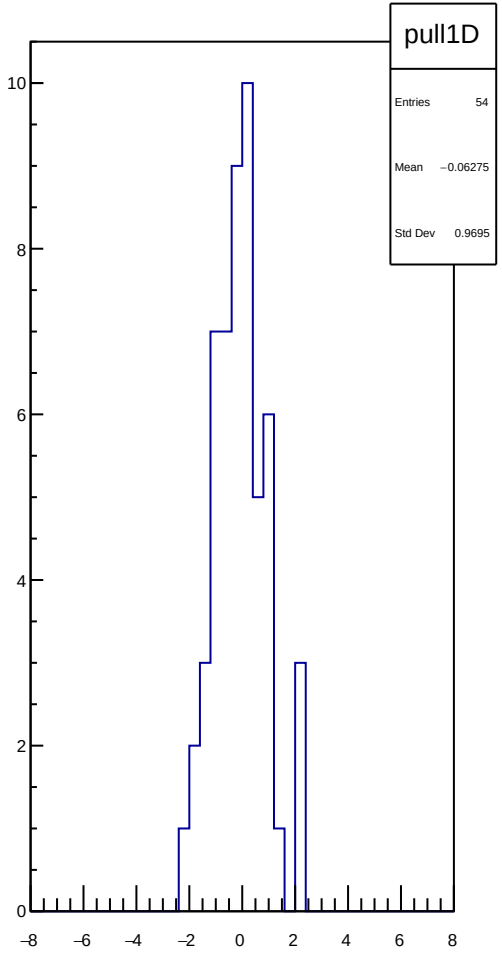

pull1D
Entries 54
Mean 0.04291
Std Dev 0.8029

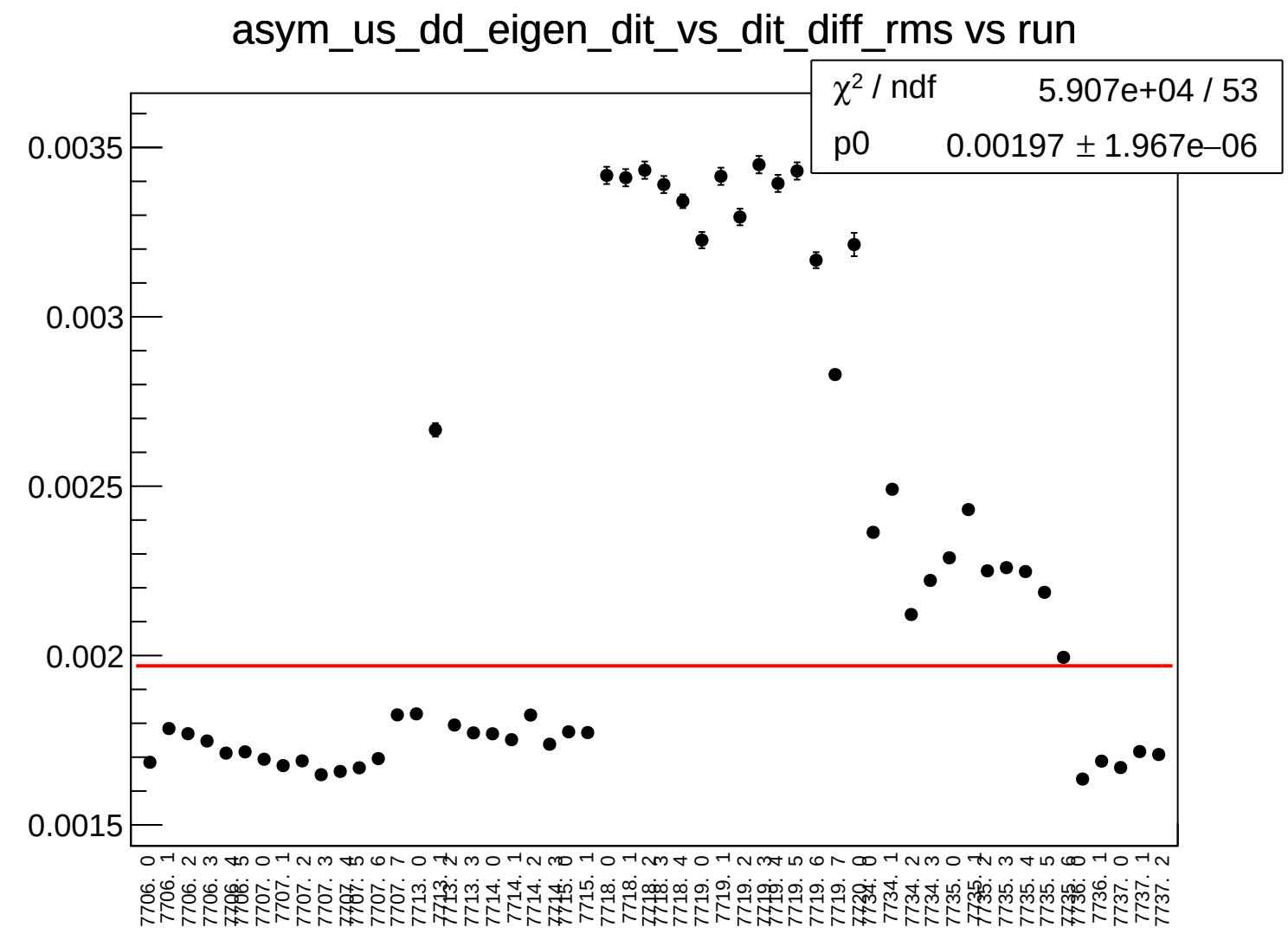

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 45.98 ± 0.05071
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

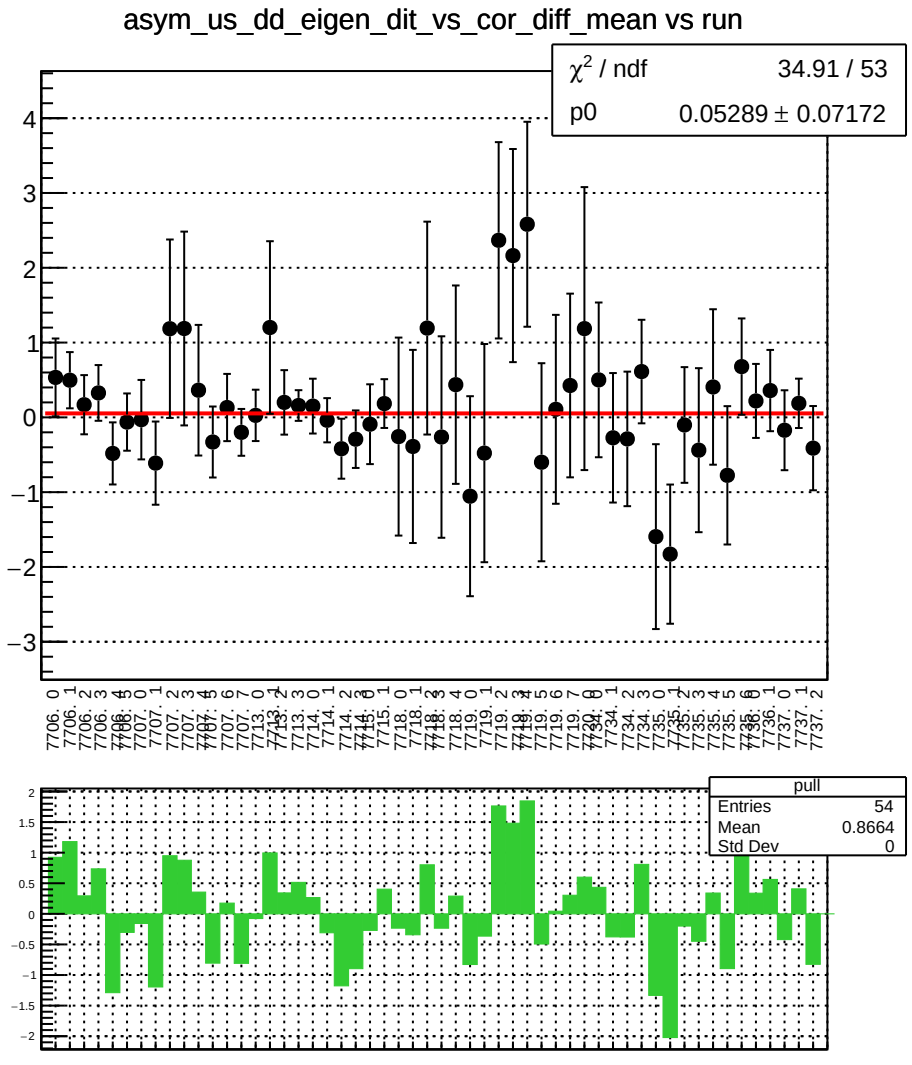

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 42.28 / 53
p0 −0.008145 ± 0.09185
pull
Entries 54
Mean 48.38
Std Dev 0
pull1D
Entries 54
Mean 0.05975
Std Dev 0.8829

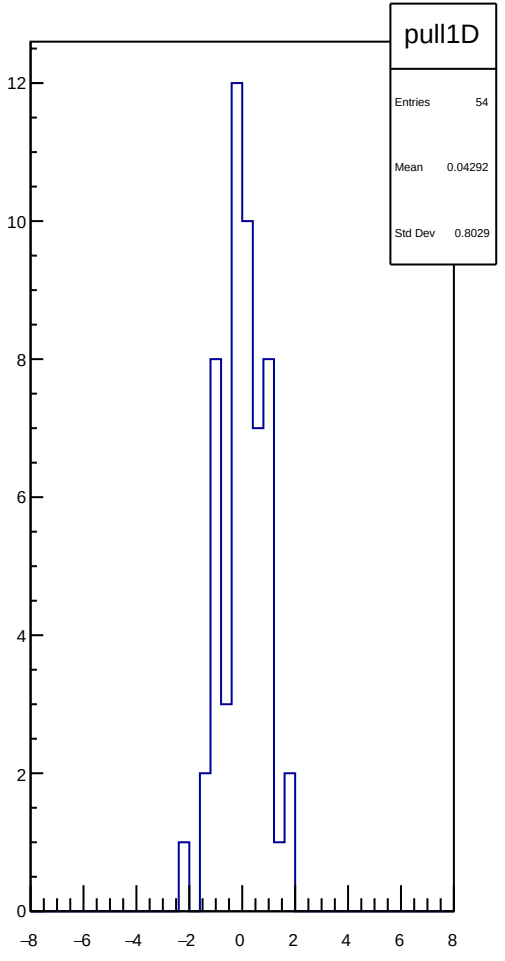

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.835e+05 / 53
p0 57.31 ± 0.06495
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

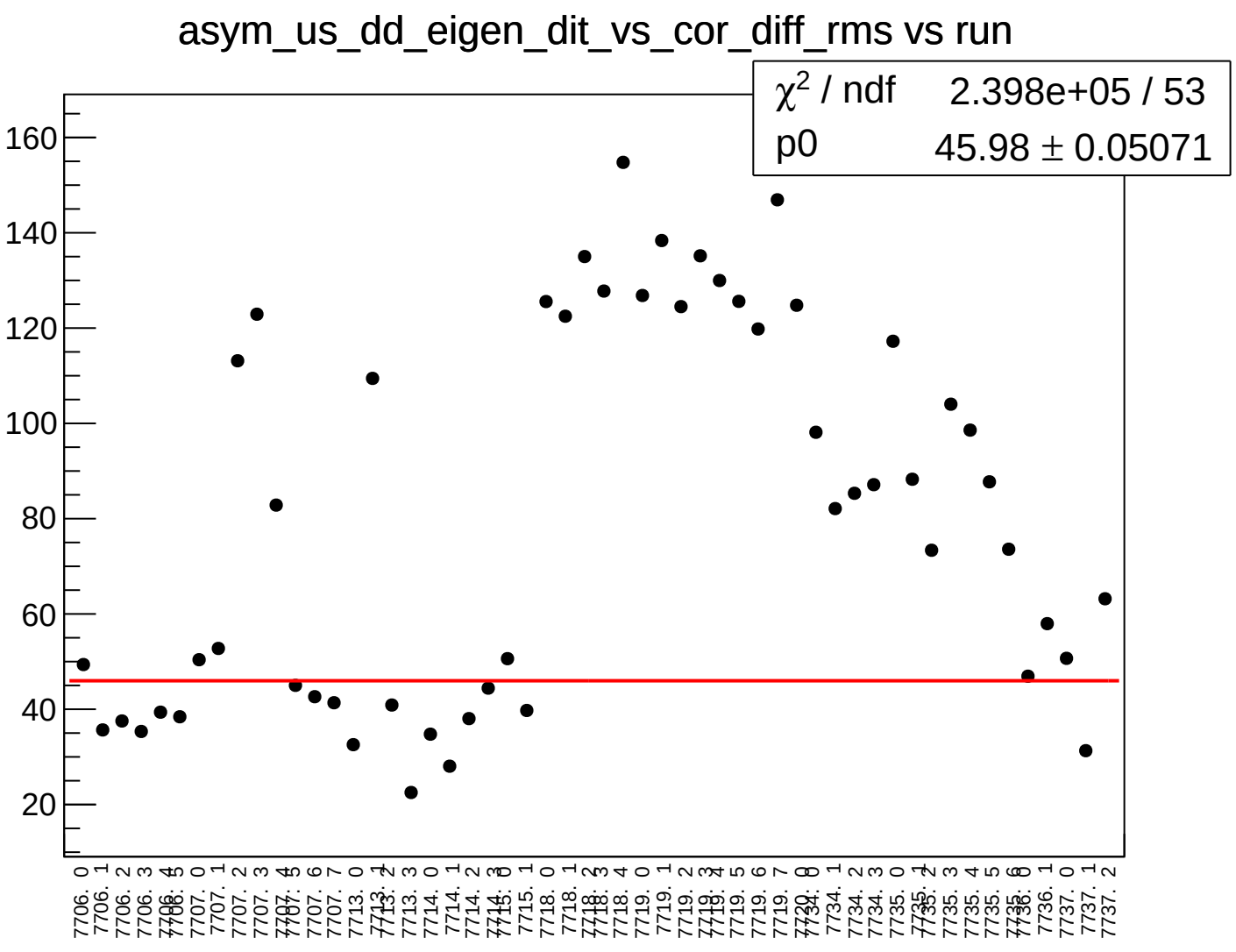

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.97 / 53
p0 2.289e−06 ± 2.781e−06
pull
Entries 54
Mean 20.72
Std Dev 0

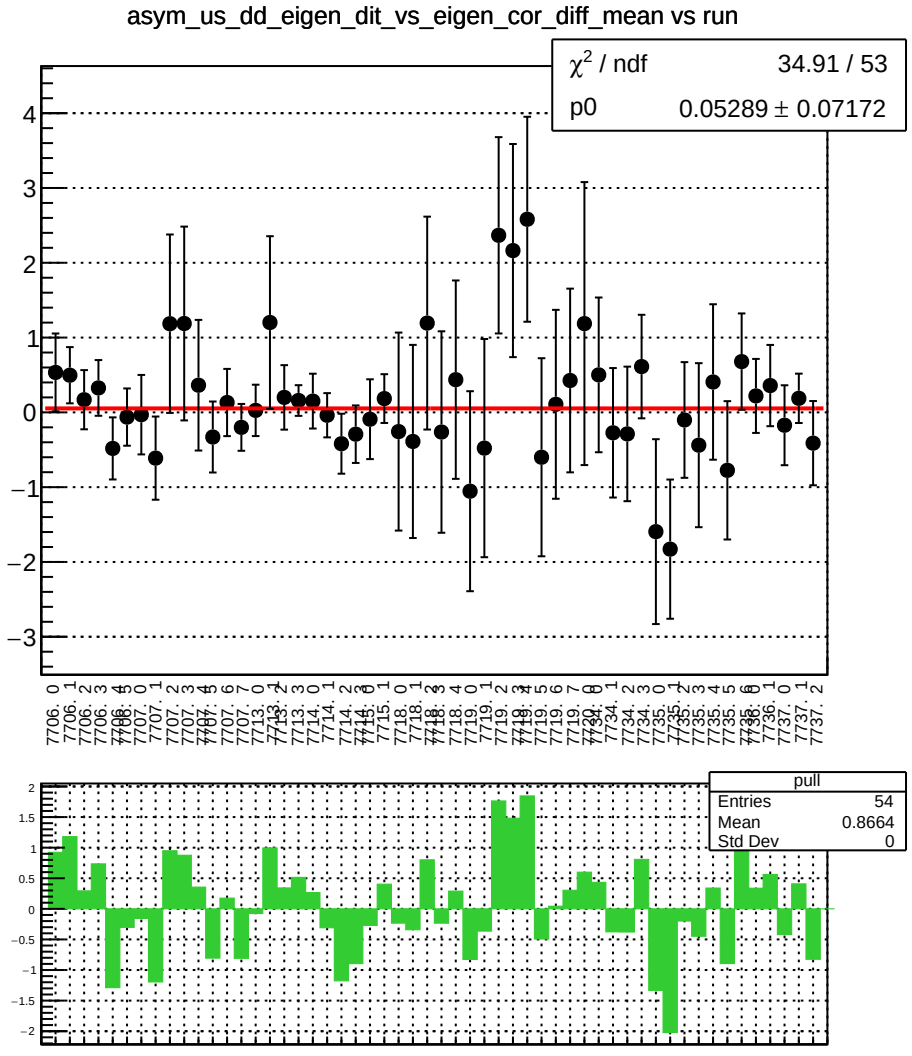

pull1D
Entries 54
Mean −0.06275
Std Dev 0.9695

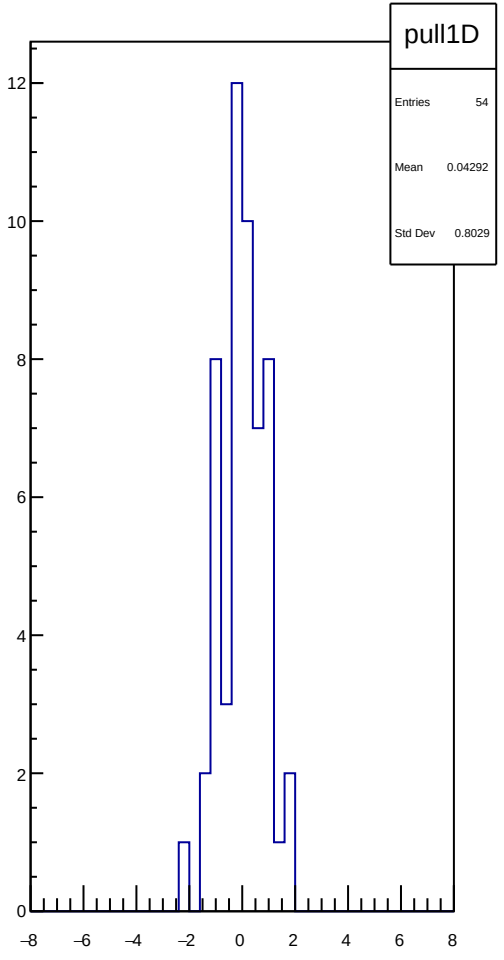

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.907e+04 / 53
p0 0.00197 ± 1.967e−06
0.0035
0.003
0.0025
0.002
0.0015

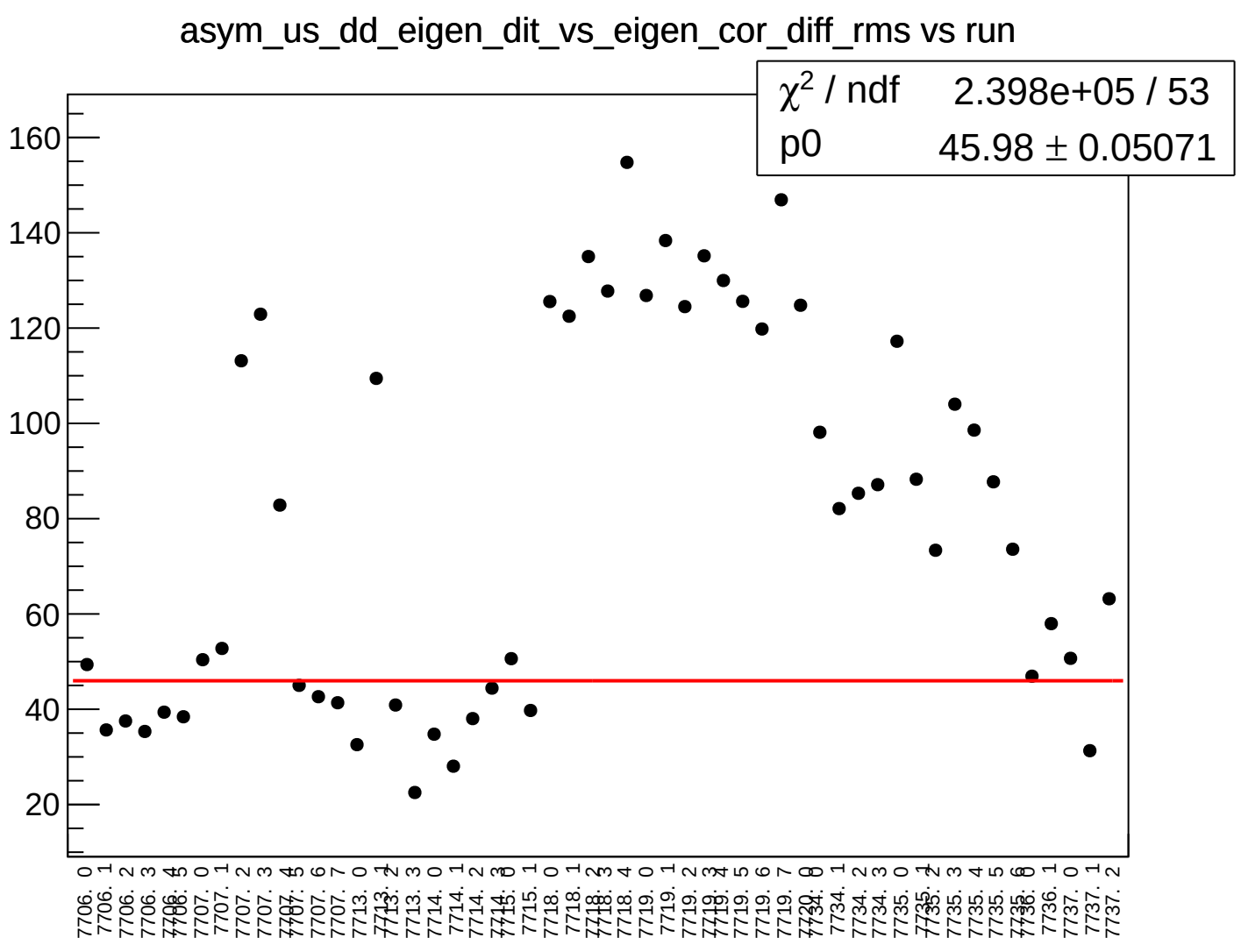

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ^2 / ndf 34.91 / 53
p0 0.05289 ± 0.07172
pull
Entries 54
Mean 0.8664
Std Dev 0

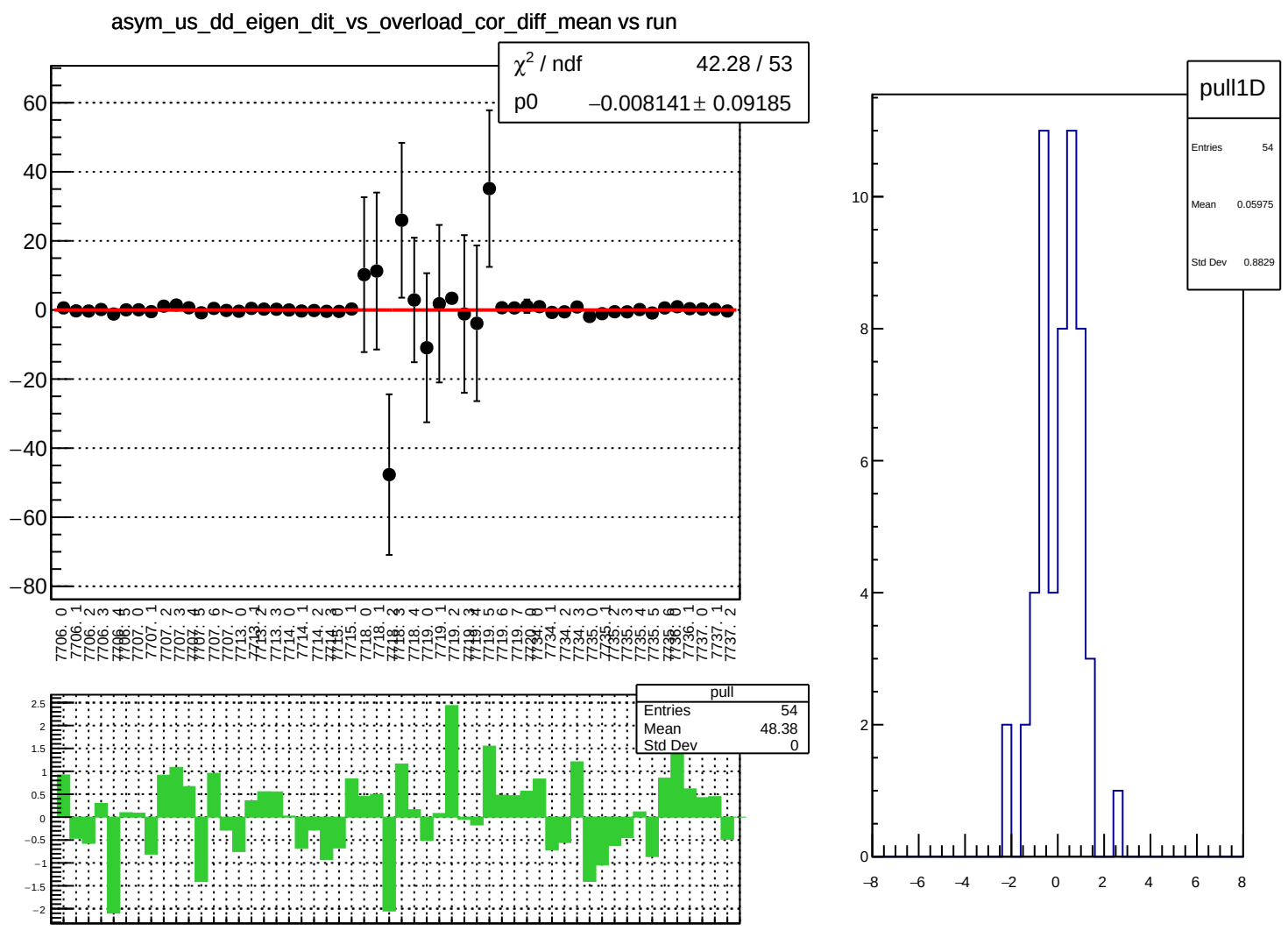

pull1D
Entries 54
Mean 0.04292
Std Dev 0.8029

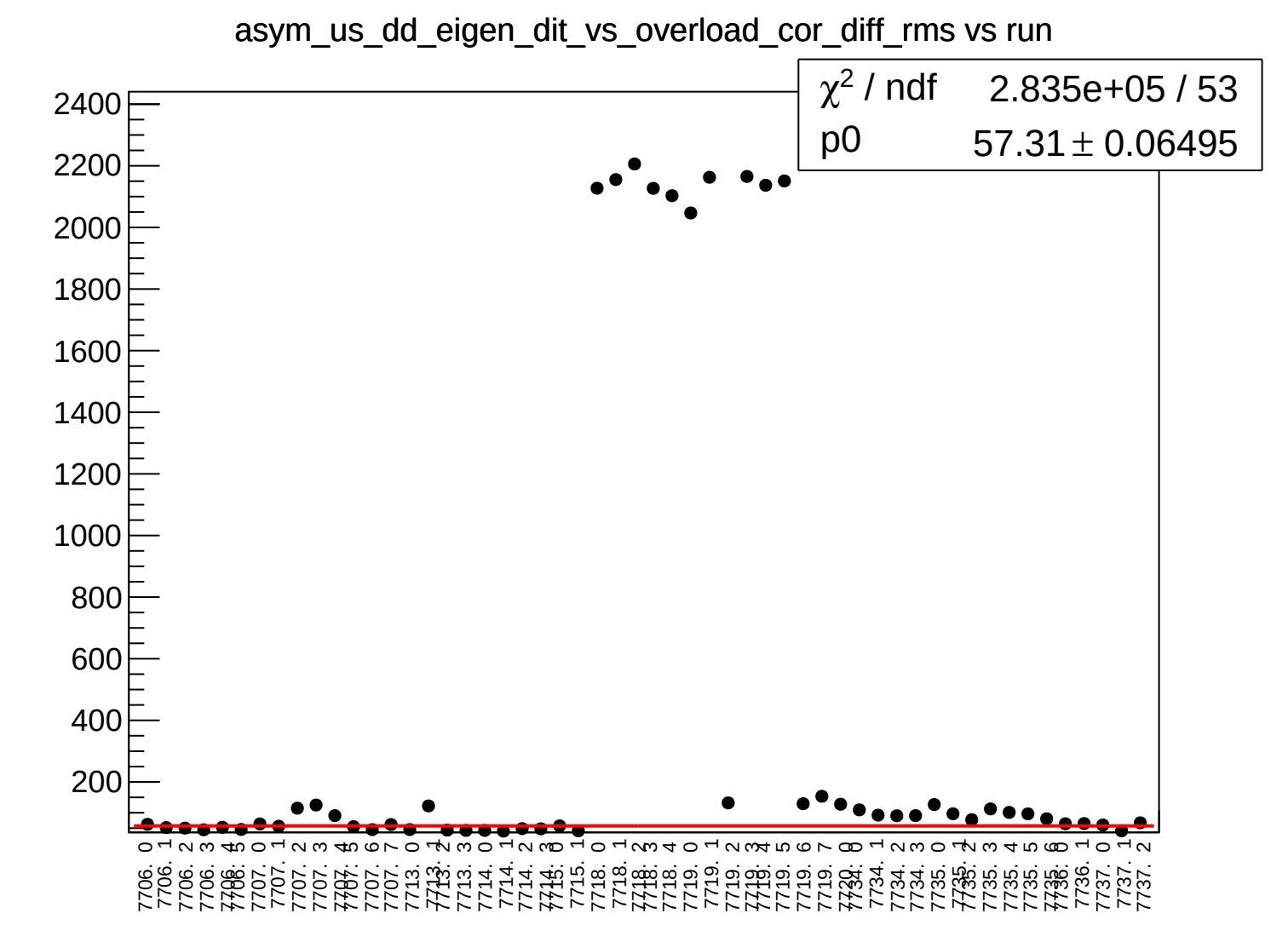

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 45.98 ± 0.05071
160
140
120
100
80
60
40
20

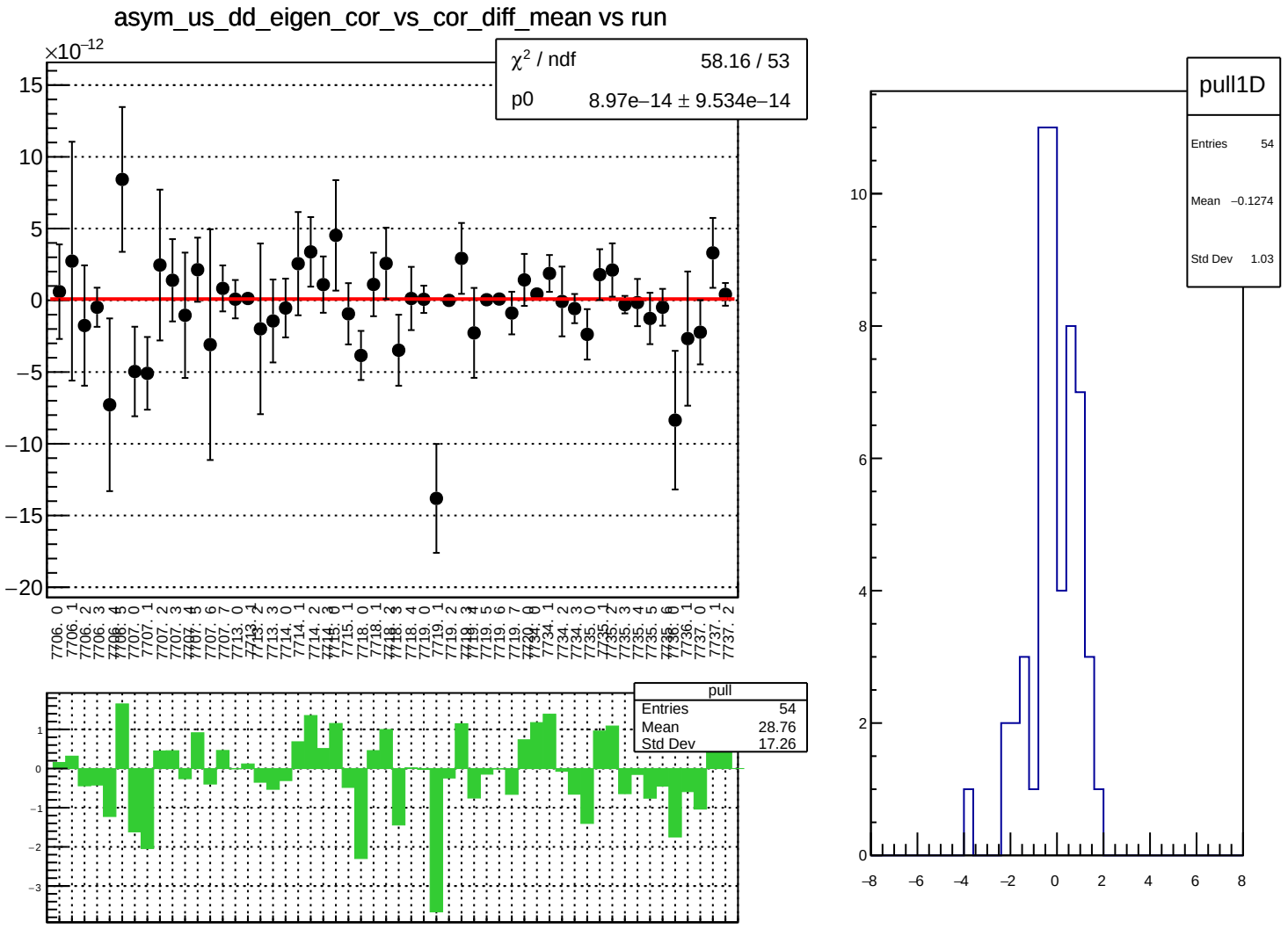

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.91 / 53
p0 0.05289 ± 0.07172
pull
Entries 54
Mean 0.8664
Std Dev 0

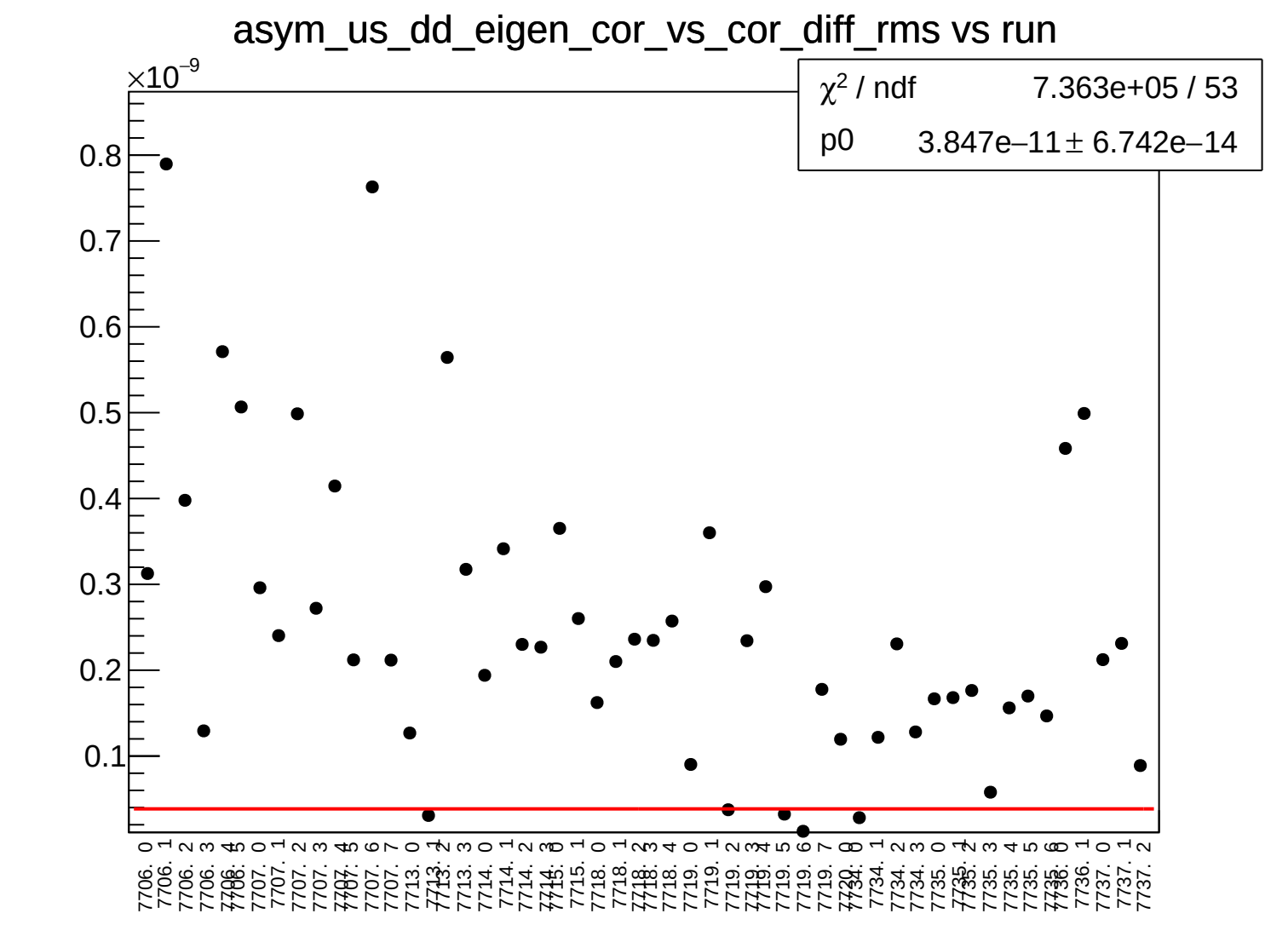

pull1D
Entries 54
Mean 0.04292
Std Dev 0.8029

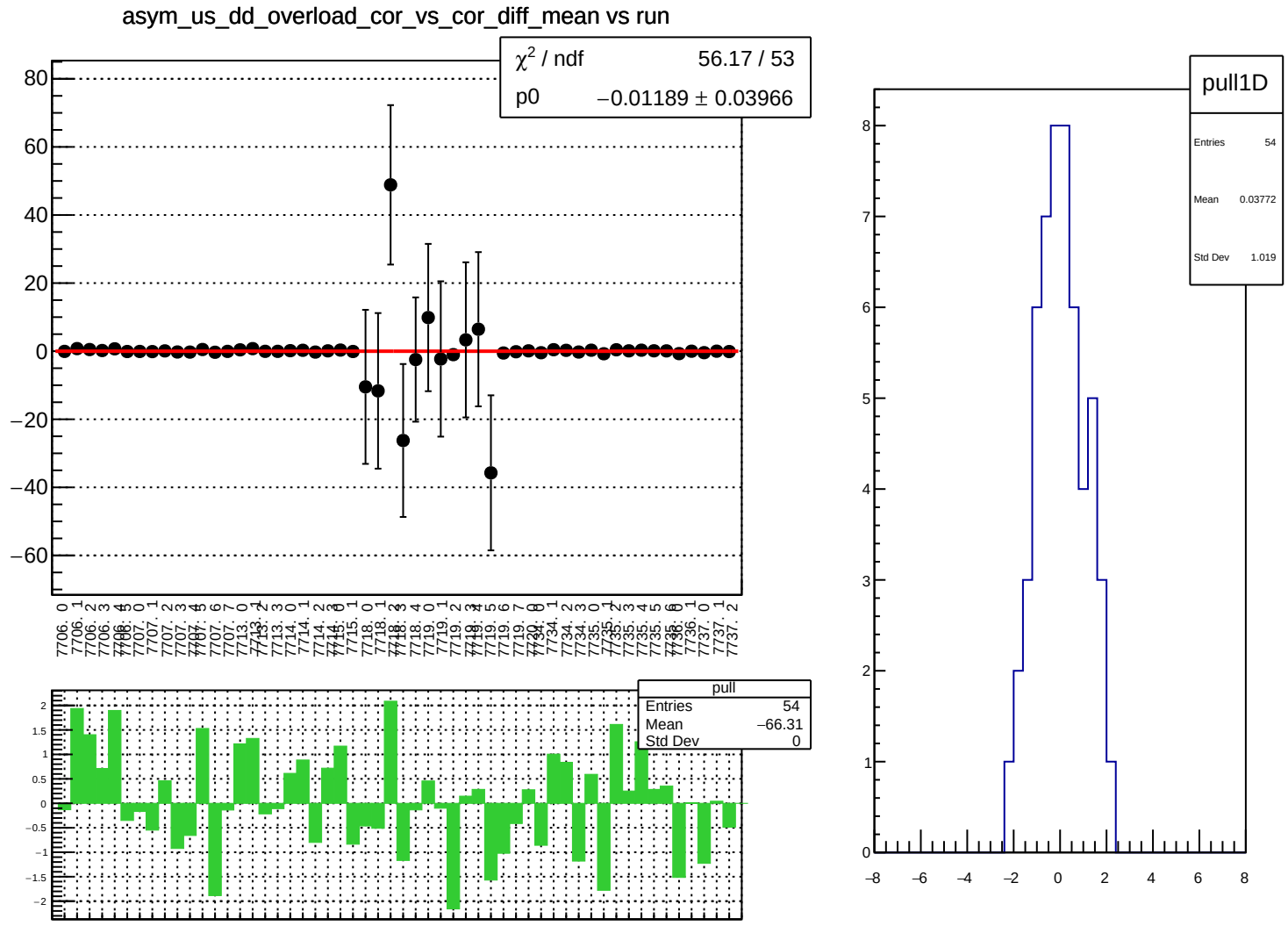

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.398e+05 / 53
p0 45.98 ± 0.05071
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

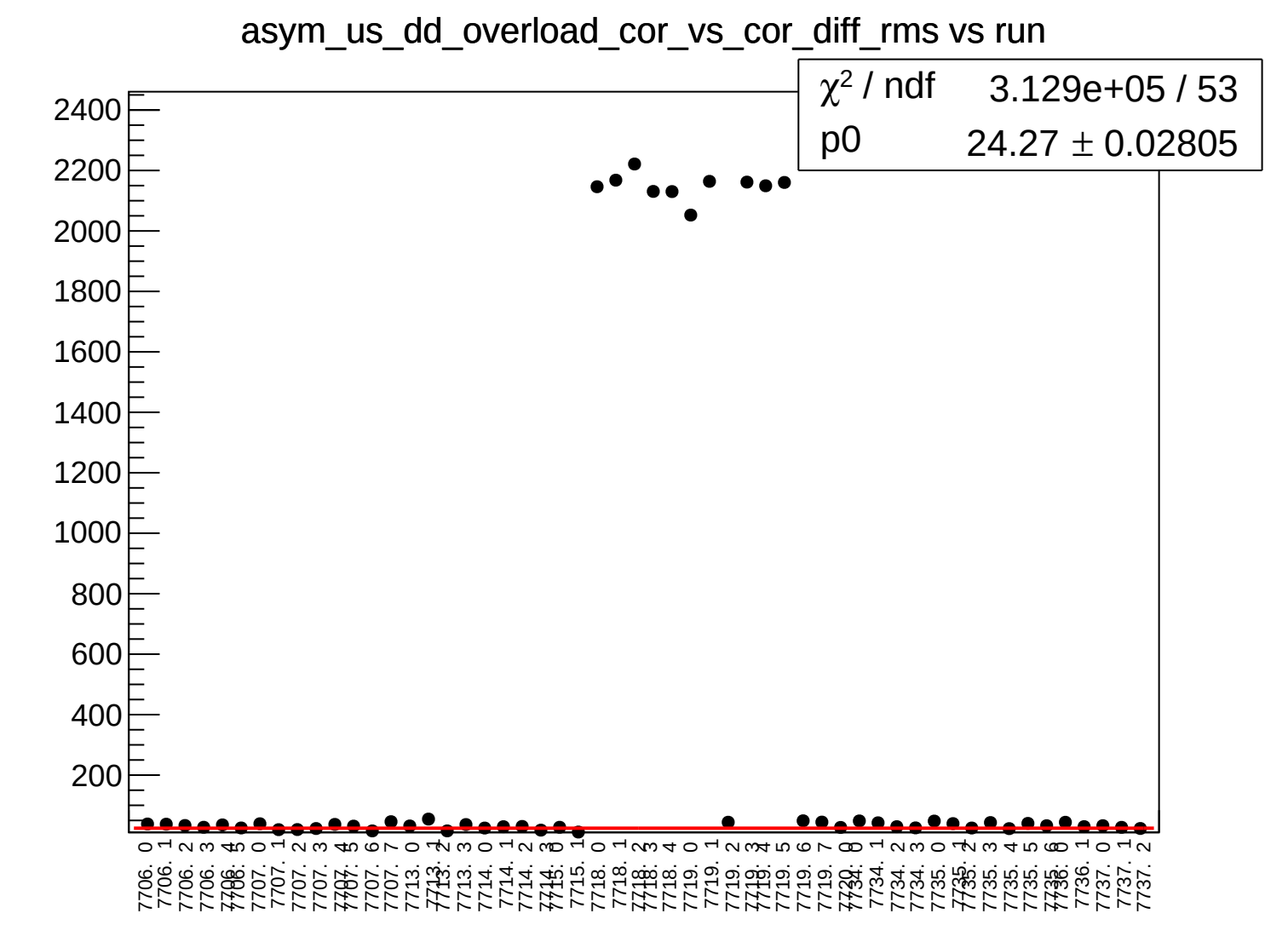

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 42.28 / 53
p0 −0.008141 ± 0.09185
pull
Entries 54
Mean 48.38
Std Dev 0
pull1D
Entries 54
Mean 0.05975
Std Dev 0.8829


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.835e+05 / 53
p0 57.31 ± 0.06495
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

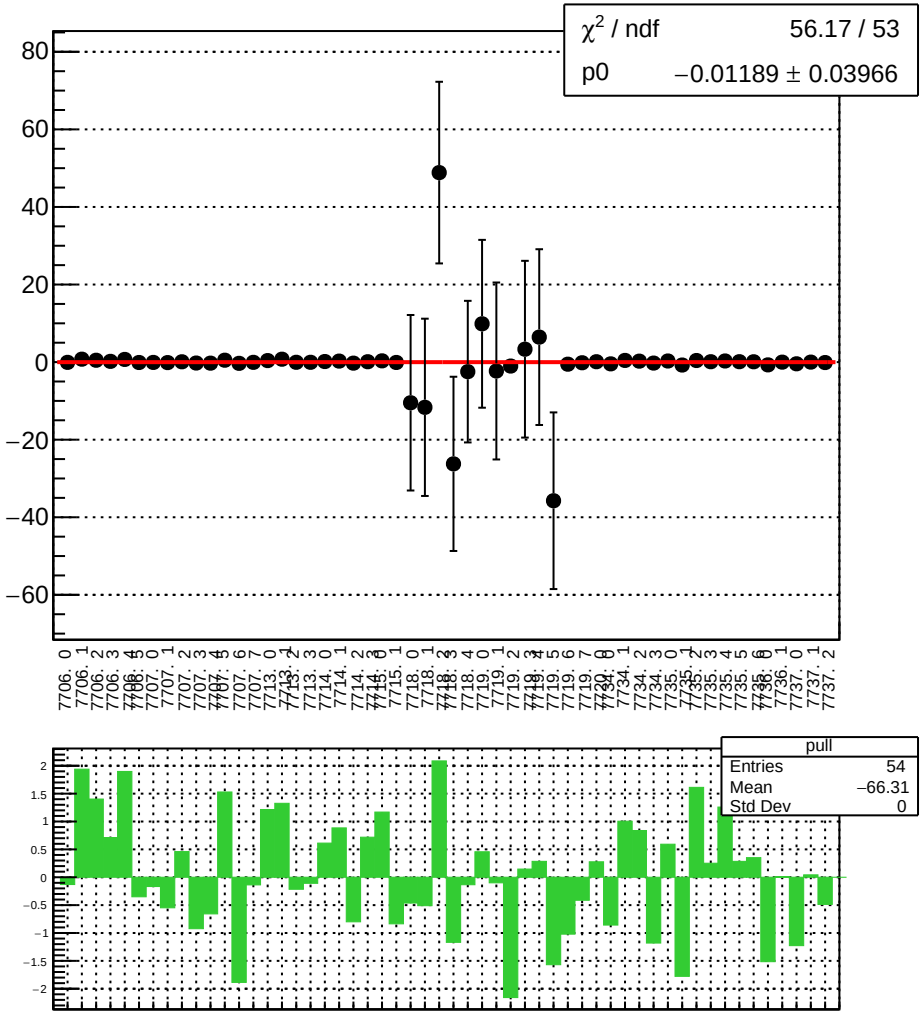

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.16 / 53
p0 8.97e−14 ± 9.534e−14
pull
Entries 54
Mean 28.76
Std Dev 17.26
pull1D
Entries 54
Mean −0.1274
Std Dev 1.03

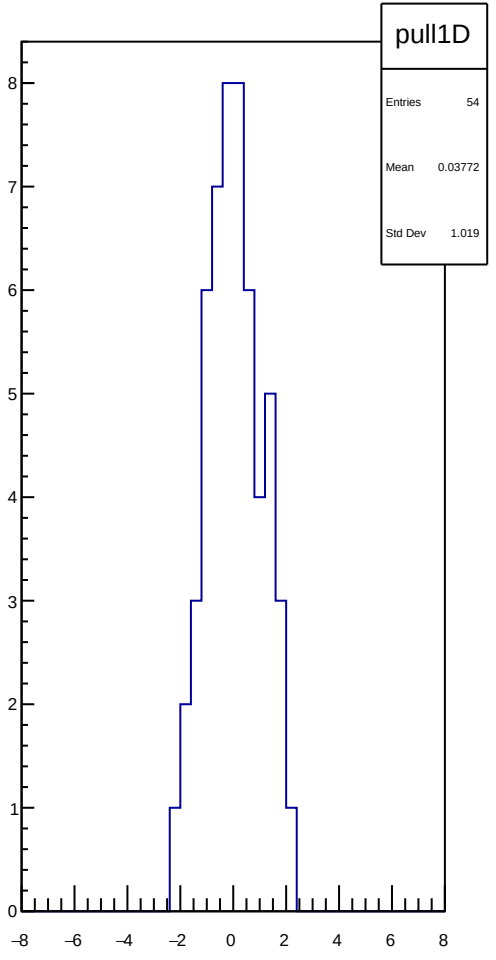

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.363e+05 / 53
p0 3.847e−11 ± 6.742e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
77706. 0
77706. 1
77706. 2
77706. 3
77706. 4
77706. 5
77707. 0
77707. 1
77707. 2
77707. 3
77707. 4
77707. 5
77707. 6
77707. 7
77713. 0
77713. 1
77713. 2
77713. 3
77714. 0
77714. 1
77714. 2
77714. 3
77715. 0
77715. 1
77718. 0
77718. 1
77718. 2
77718. 3
77718. 4
77719. 0
77719. 1
77719. 2
77719. 3
77719. 4
77719. 5
77719. 6
77719. 7
77720. 0
77734. 0
77734. 1
77734. 2
77734. 3
77735. 0
77735. 1
77735. 2
77735. 3
77735. 4
77735. 5
77735. 6
77736. 0
77736. 1
77737. 0
77737. 1
77737. 2

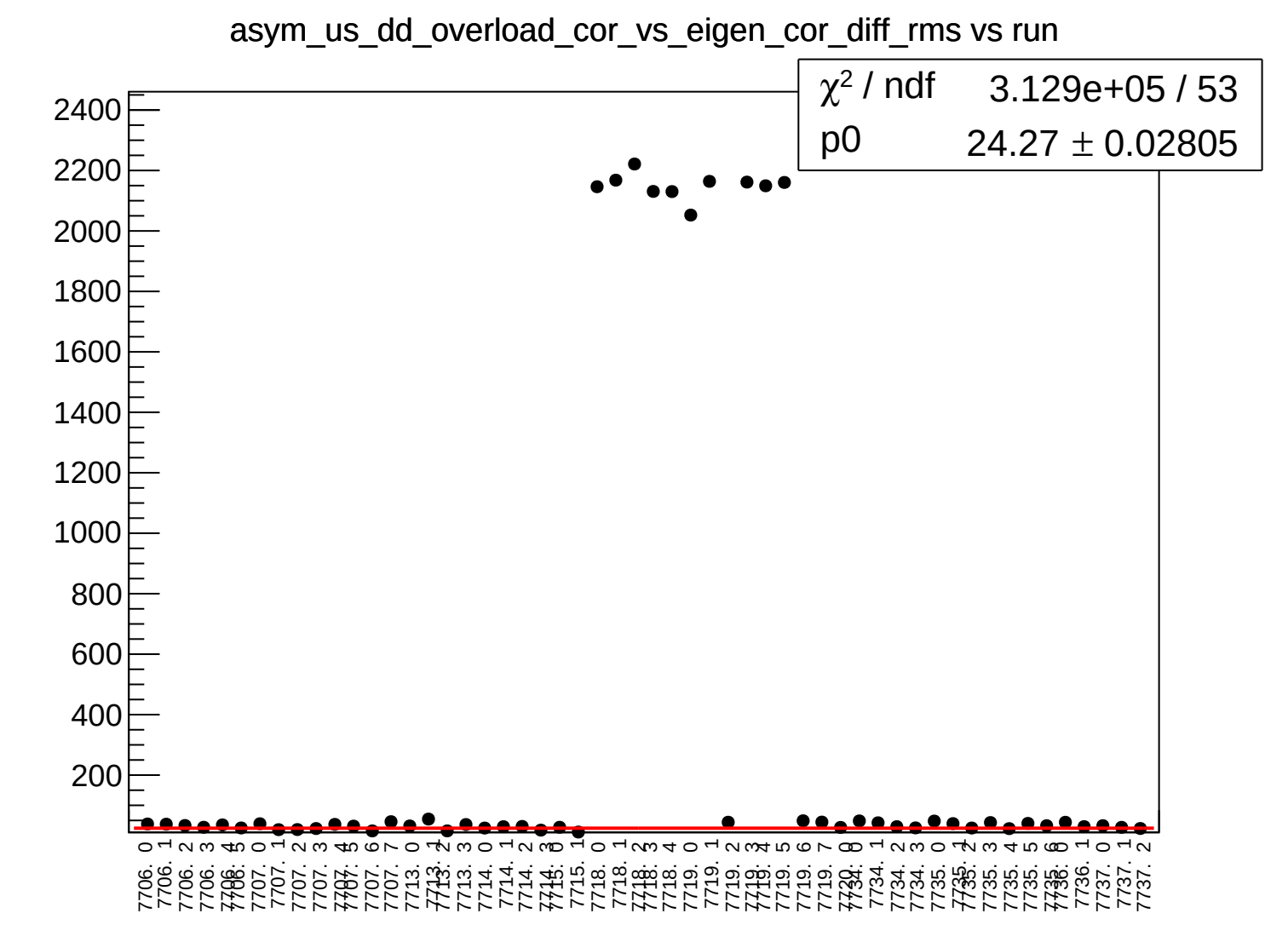

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 56.17 / 53
p0 −0.01189 ± 0.03966
pull
Entries 54
Mean −66.31
Std Dev 0
pull1D
Entries 54
Mean 0.03772
Std Dev 1.019

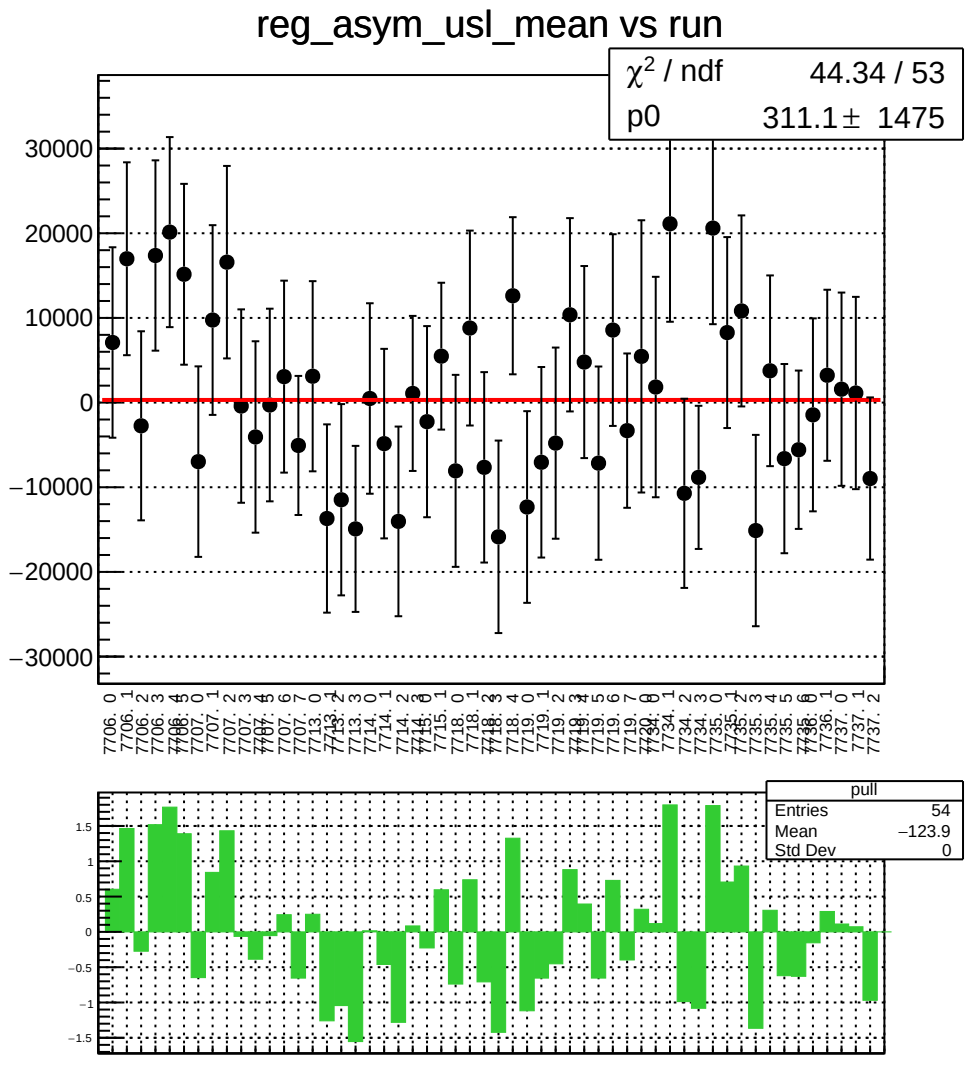

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 3.129e+05 / 53
p0 24.27 ± 0.02805
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

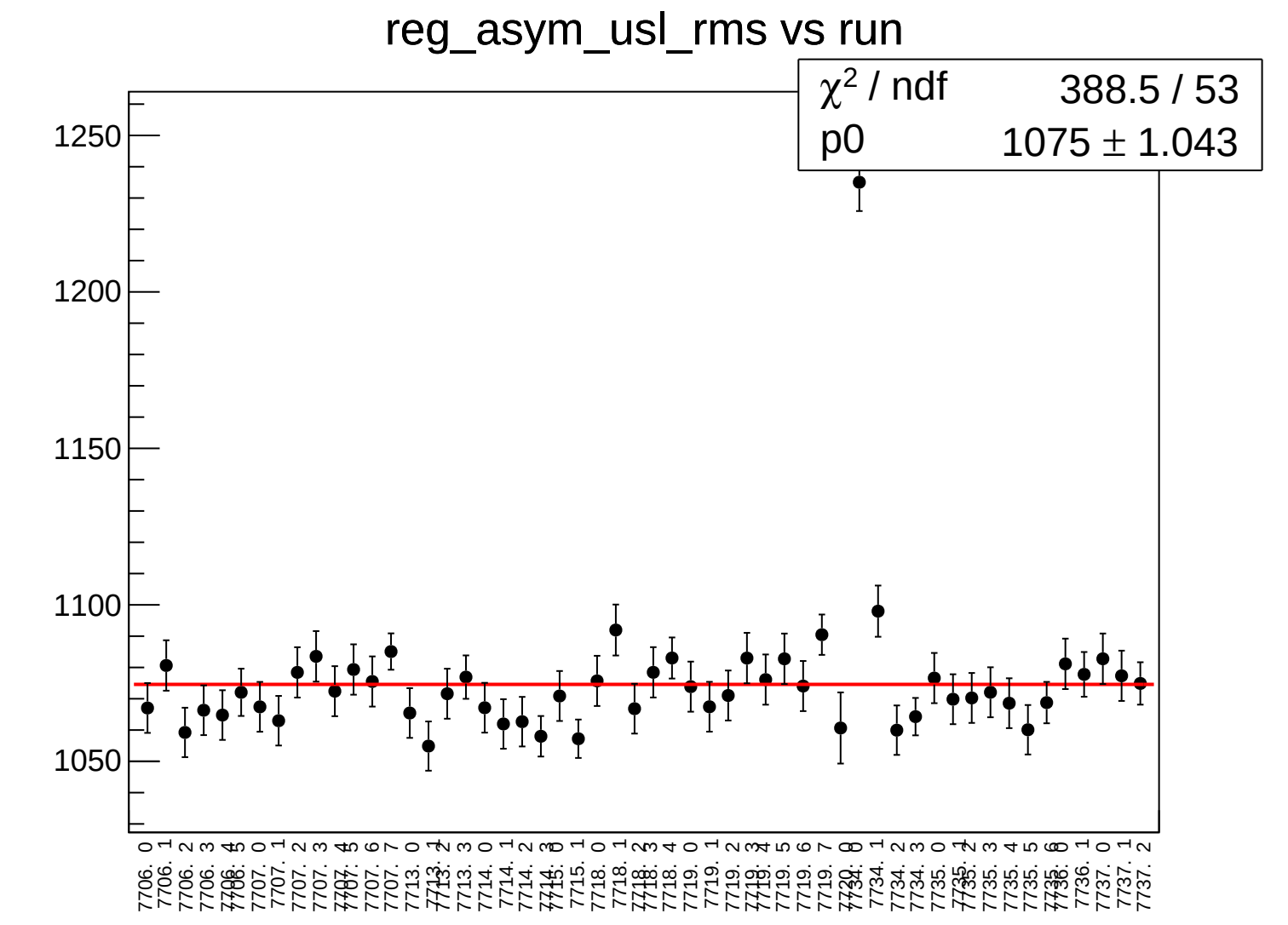
asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run

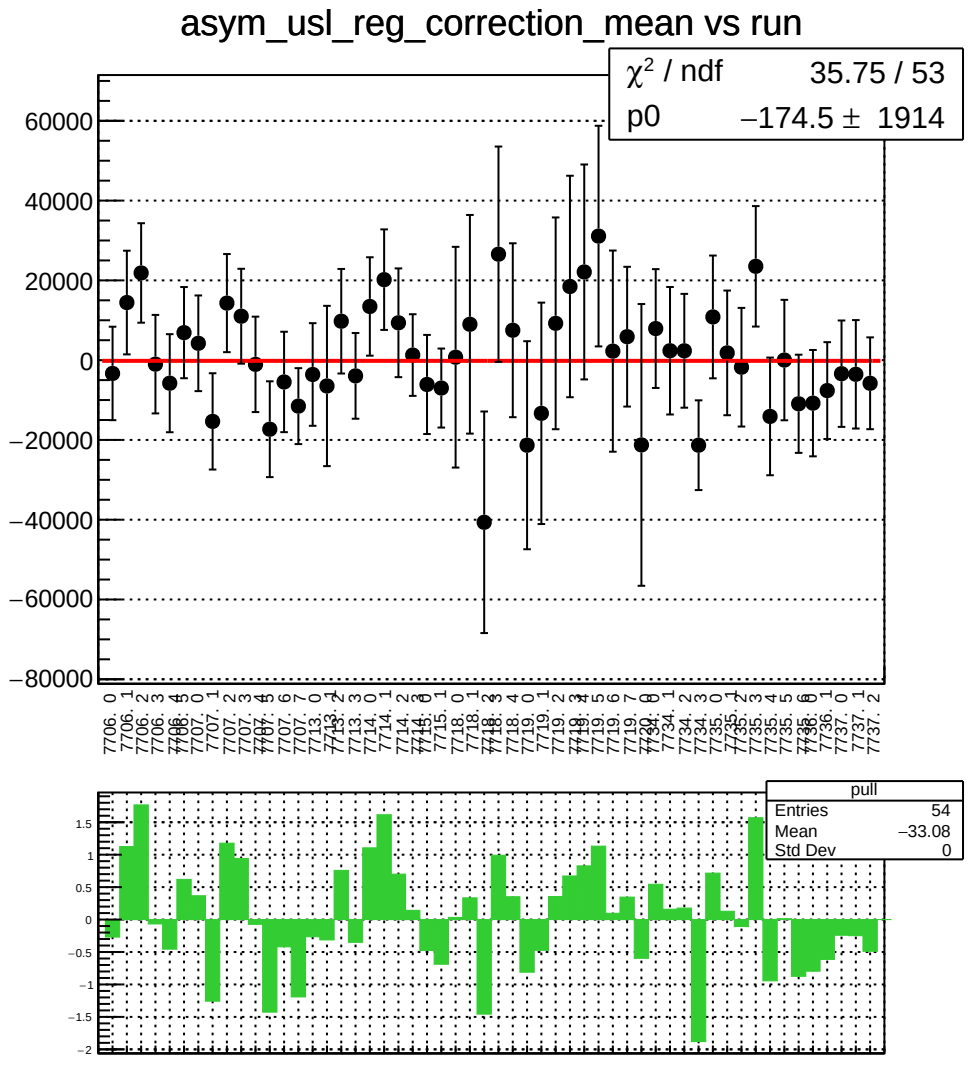


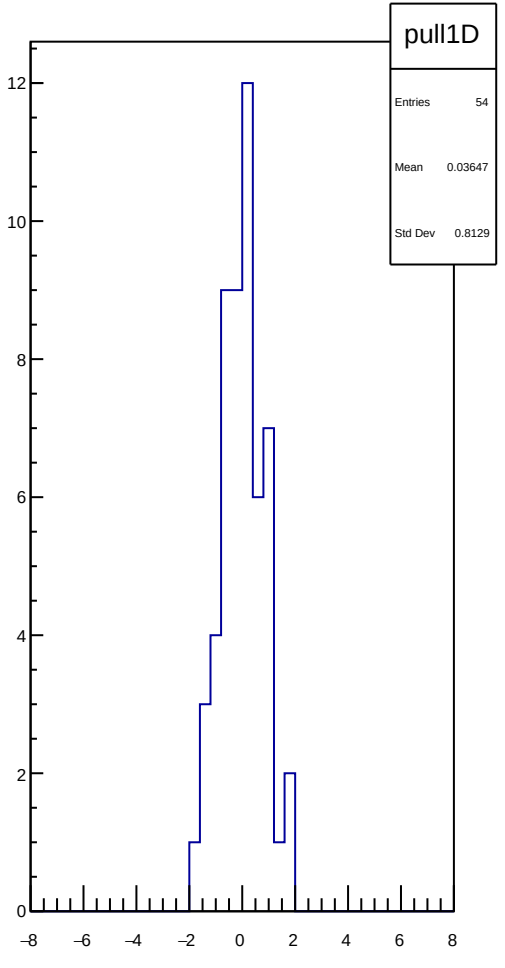


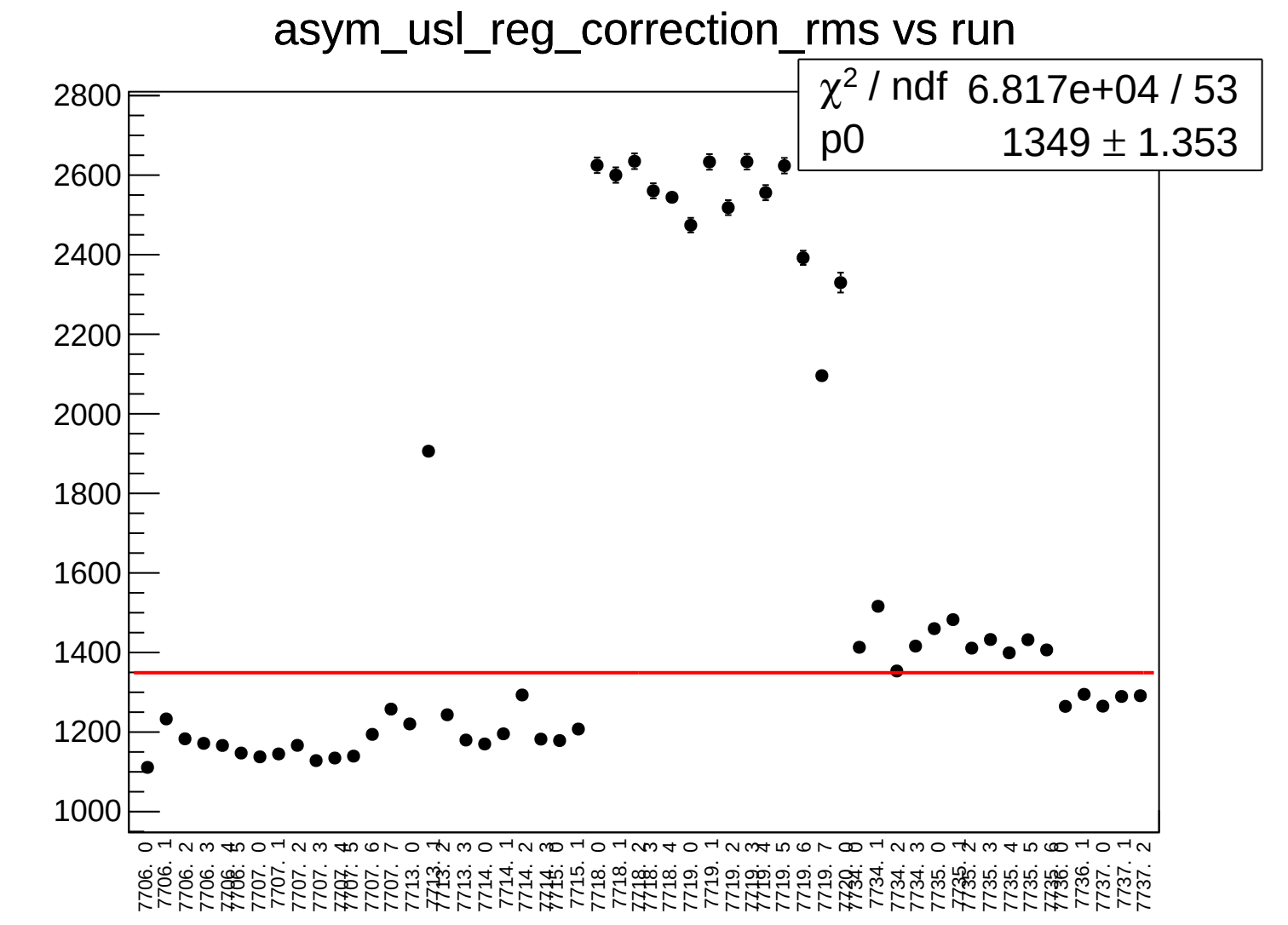

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.129e+05 / 53
p0 24.27 ± 0.02805
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

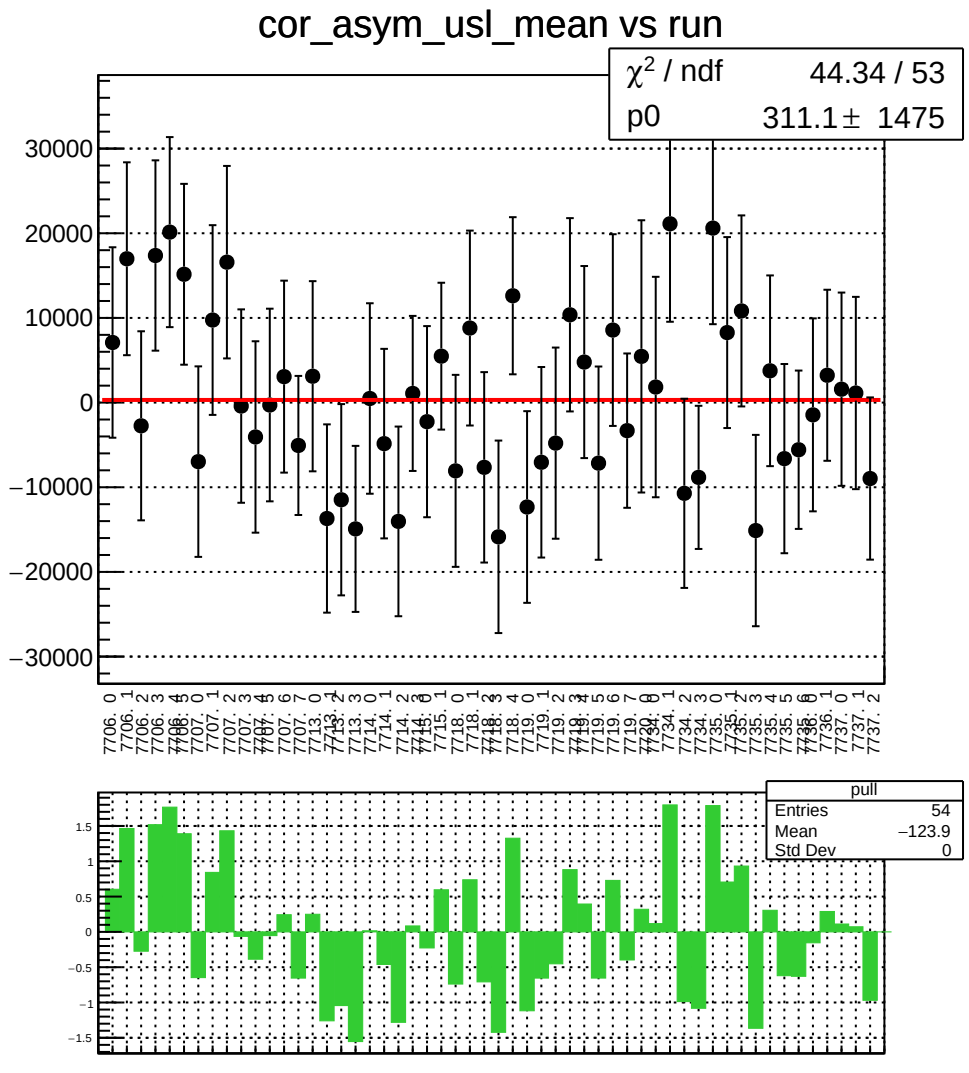

reg_asym_usl_mean vs run
χ² / ndf 44.34 / 53
p0 311.1± 1475
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 6
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −123.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.01596
Std Dev 0.906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

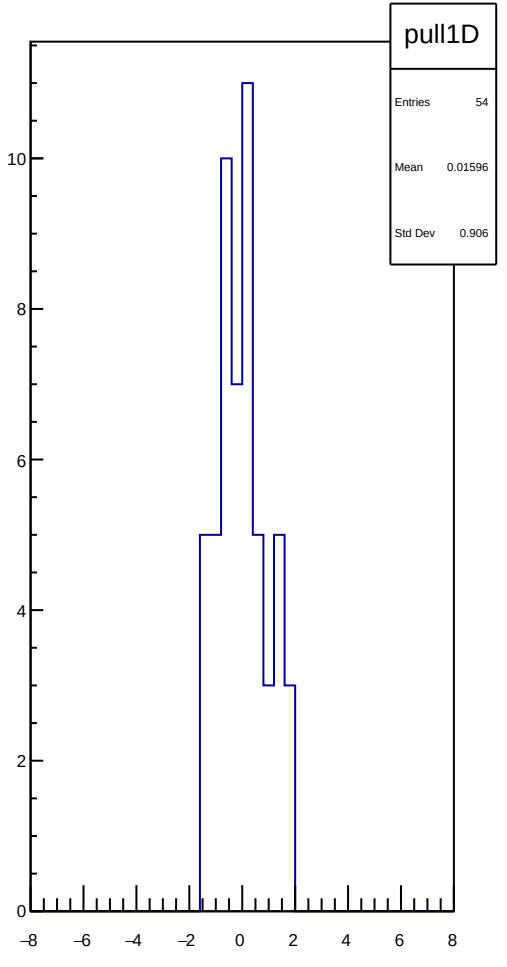

reg_asym_usl_rms vs run
χ² / ndf 388.5 / 53
p0 1075 ± 1.043
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

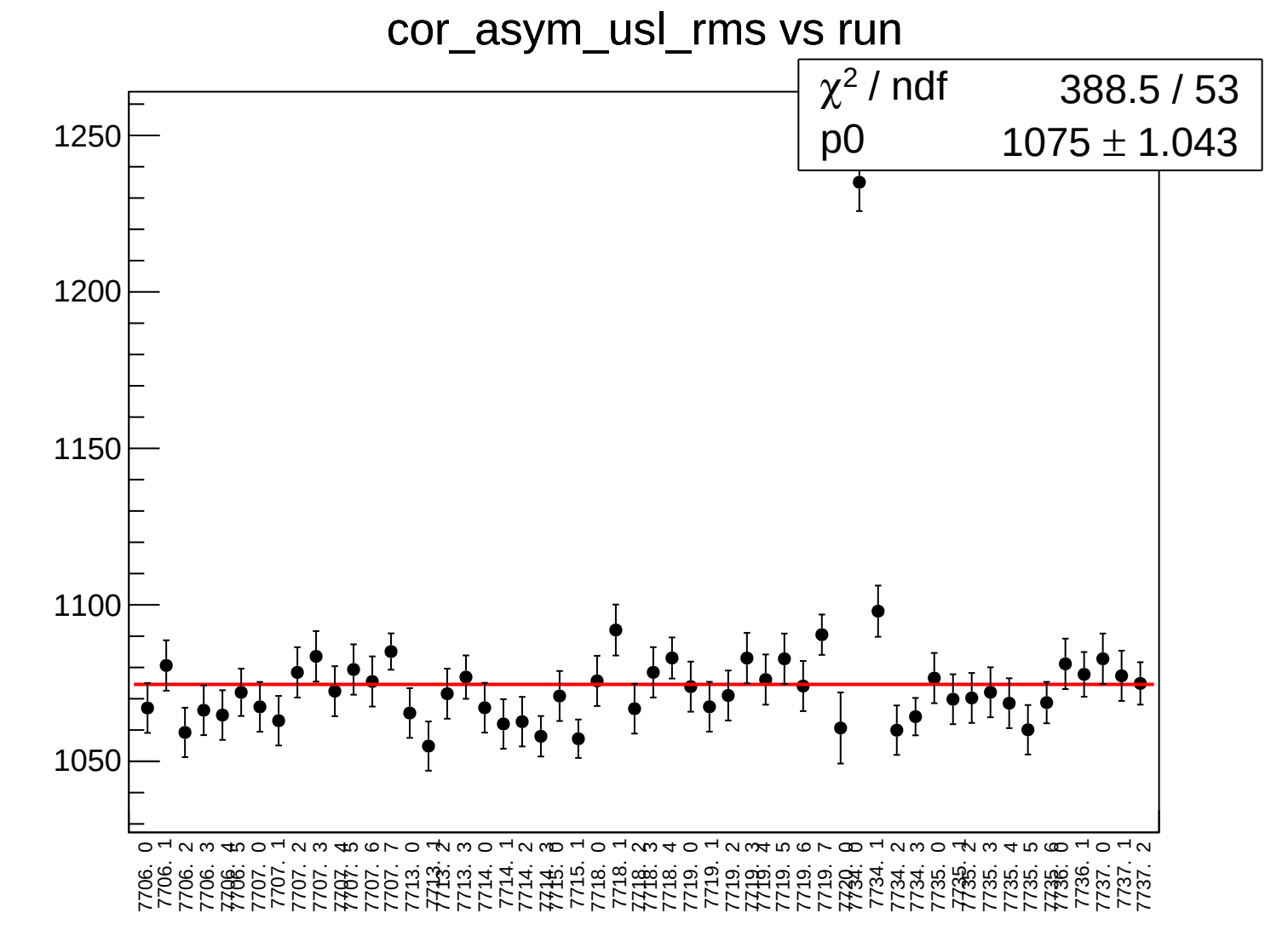

asym_usl_reg_correction_mean vs run
χ² / ndf 35.75 / 53
p0 −174.5 ± 1914
pull
Entries 54
Mean −33.08
Std Dev 0

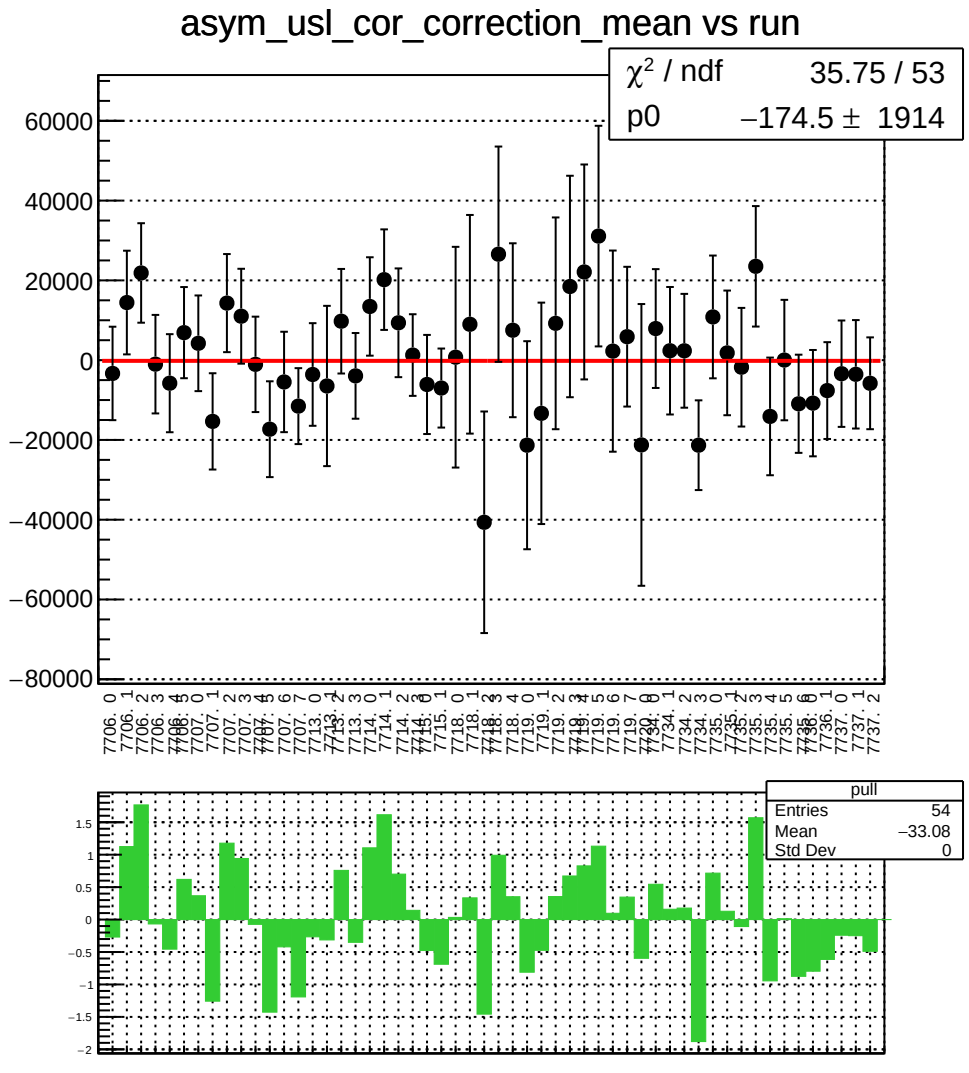

pull1D
Entries 54
Mean 0.03647
Std Dev 0.8129

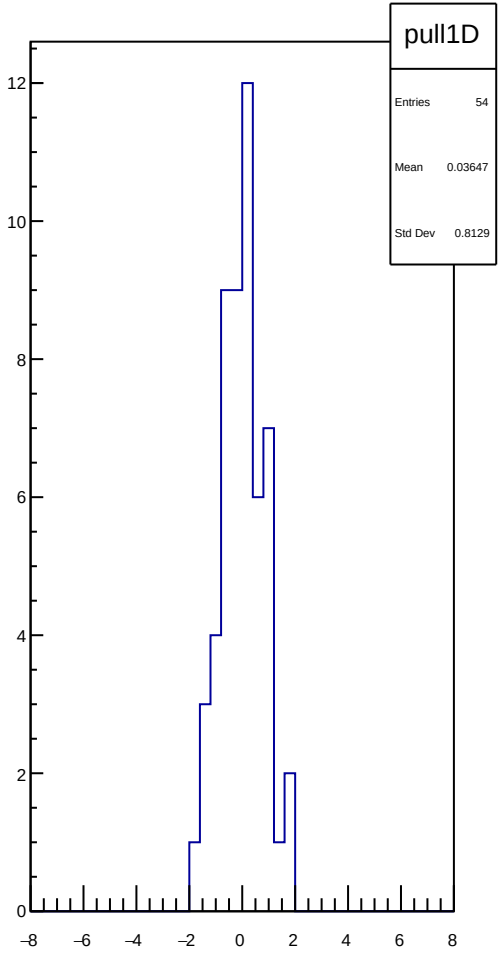

asym_usl_reg_correction_rms vs run
χ² / ndf 6.817e+04 / 53
p0 1349 ± 1.353
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

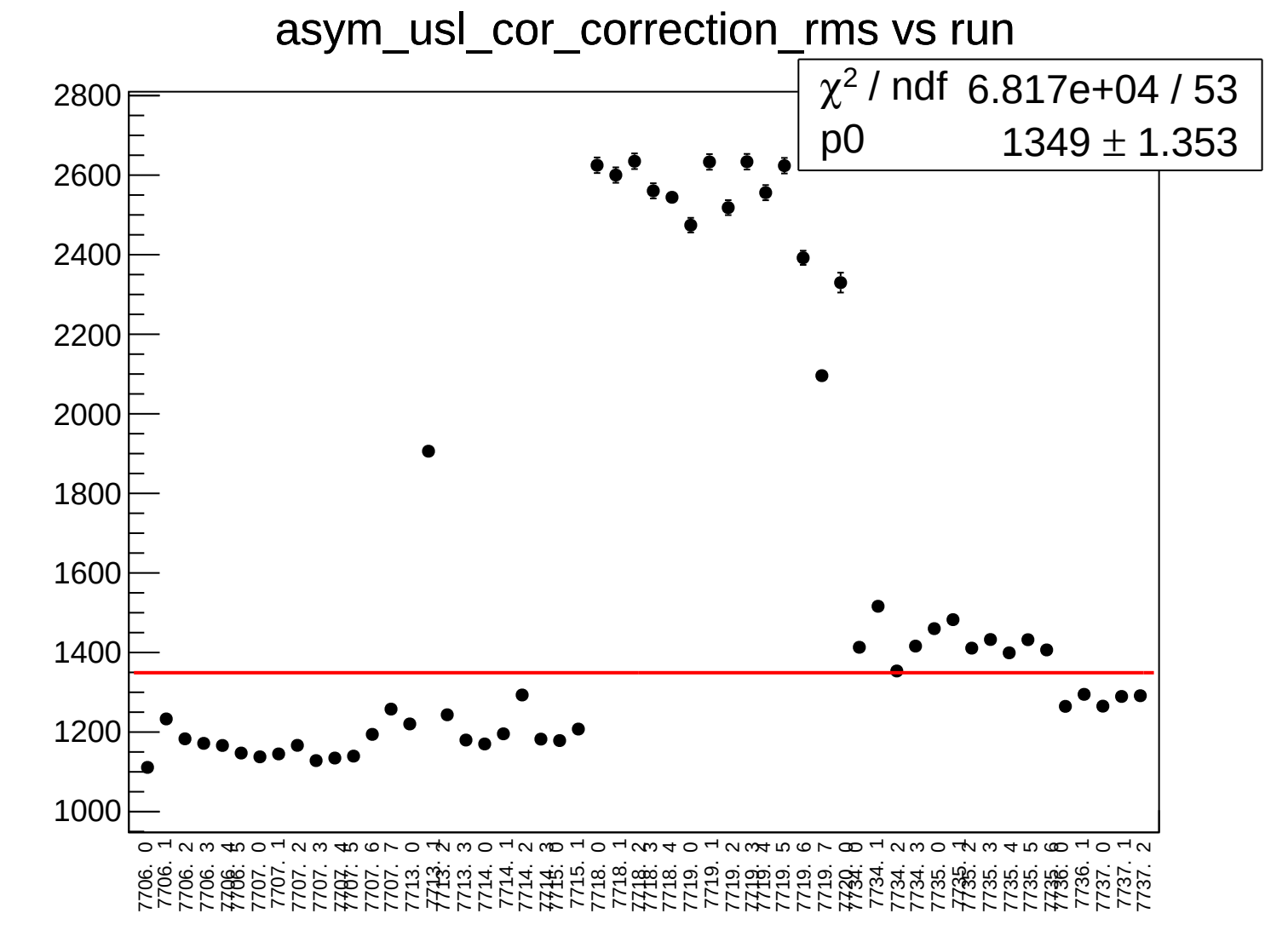

cor_asym_usl_mean vs run
χ² / ndf 44.34 / 53
p0 311.1± 1475
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −123.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

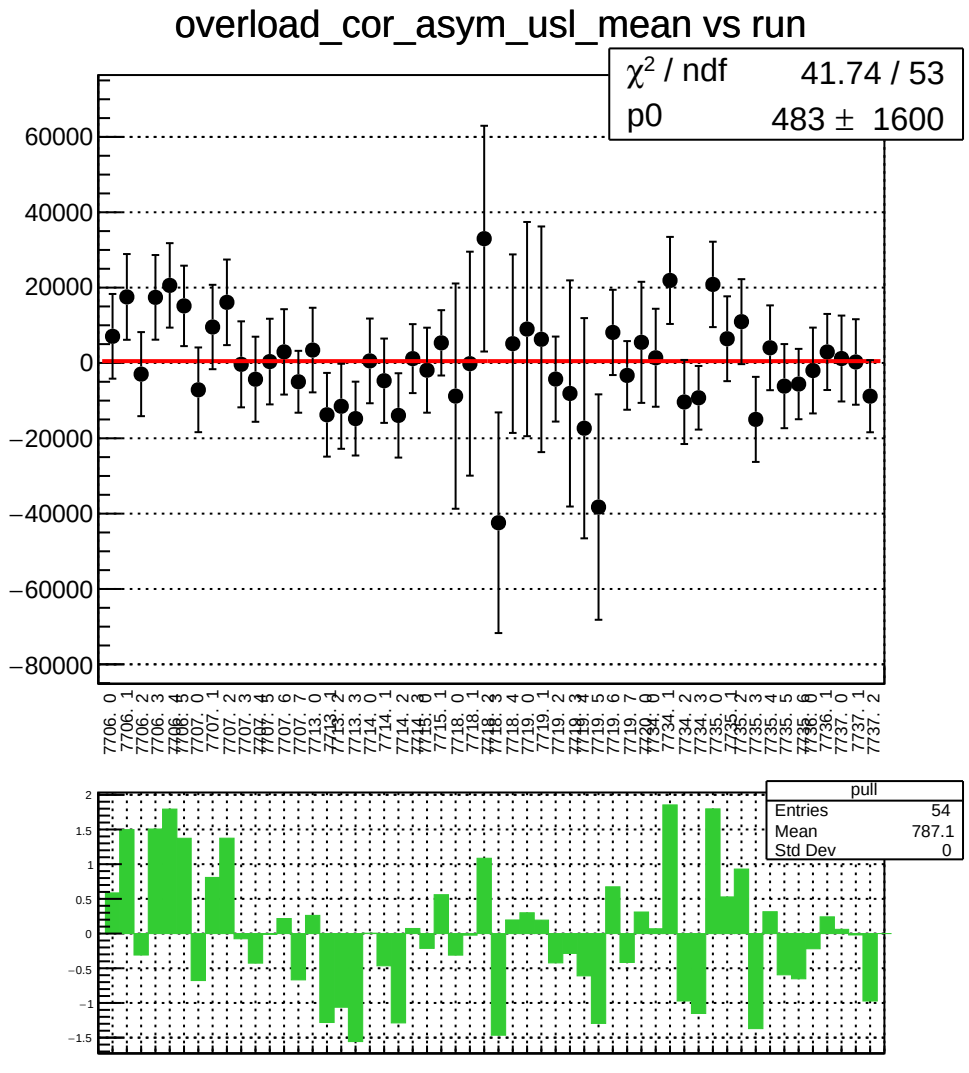

pull1D
Entries 54
Mean 0.01596
Std Dev 0.906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

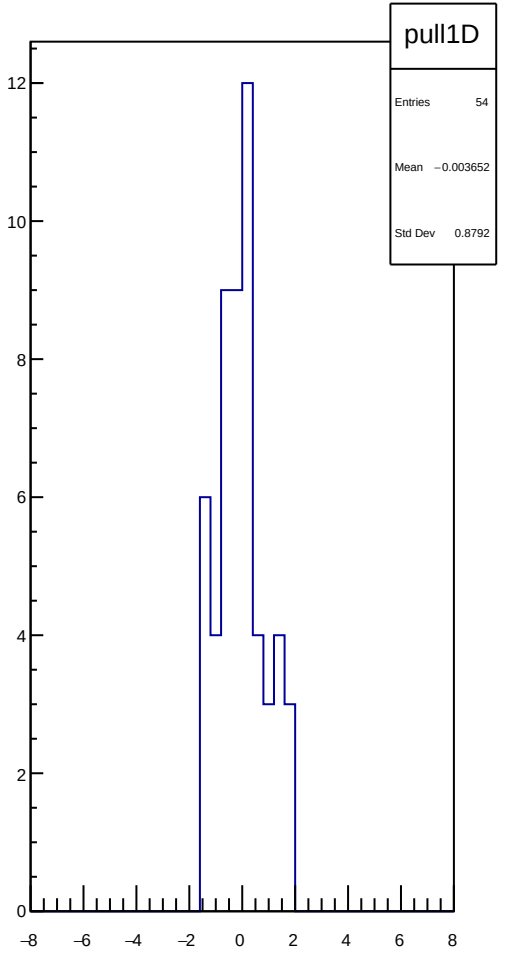

cor_asym_usl_rms vs run
χ² / ndf 388.5 / 53
p0 1075 ± 1.043
1250
1200
1150
1100
1050

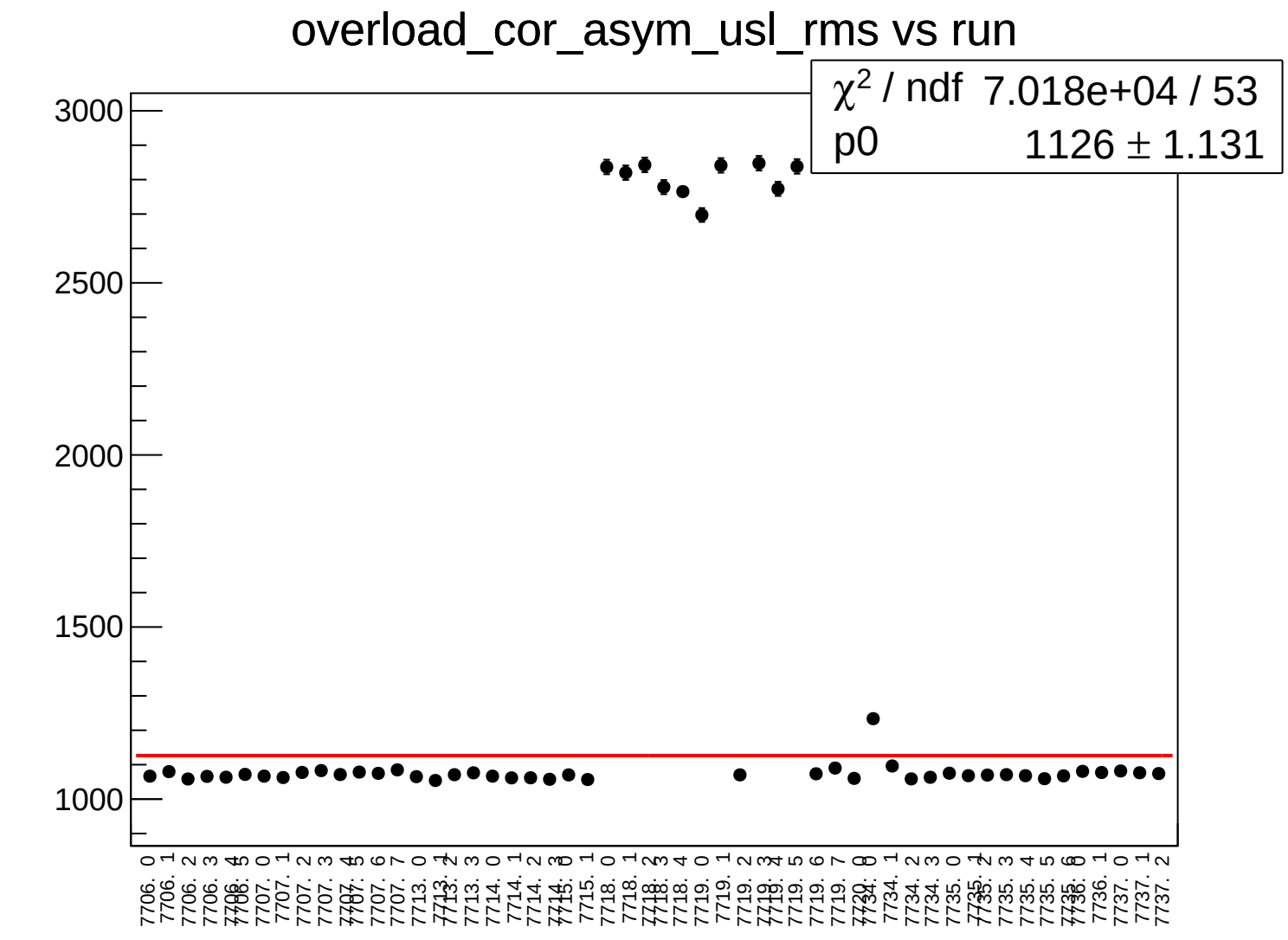

asym_usl_cor_correction_mean vs run
χ² / ndf 35.75 / 53
p0 −174.5 ± 1914
pull
Entries 54
Mean −33.08
Std Dev 0

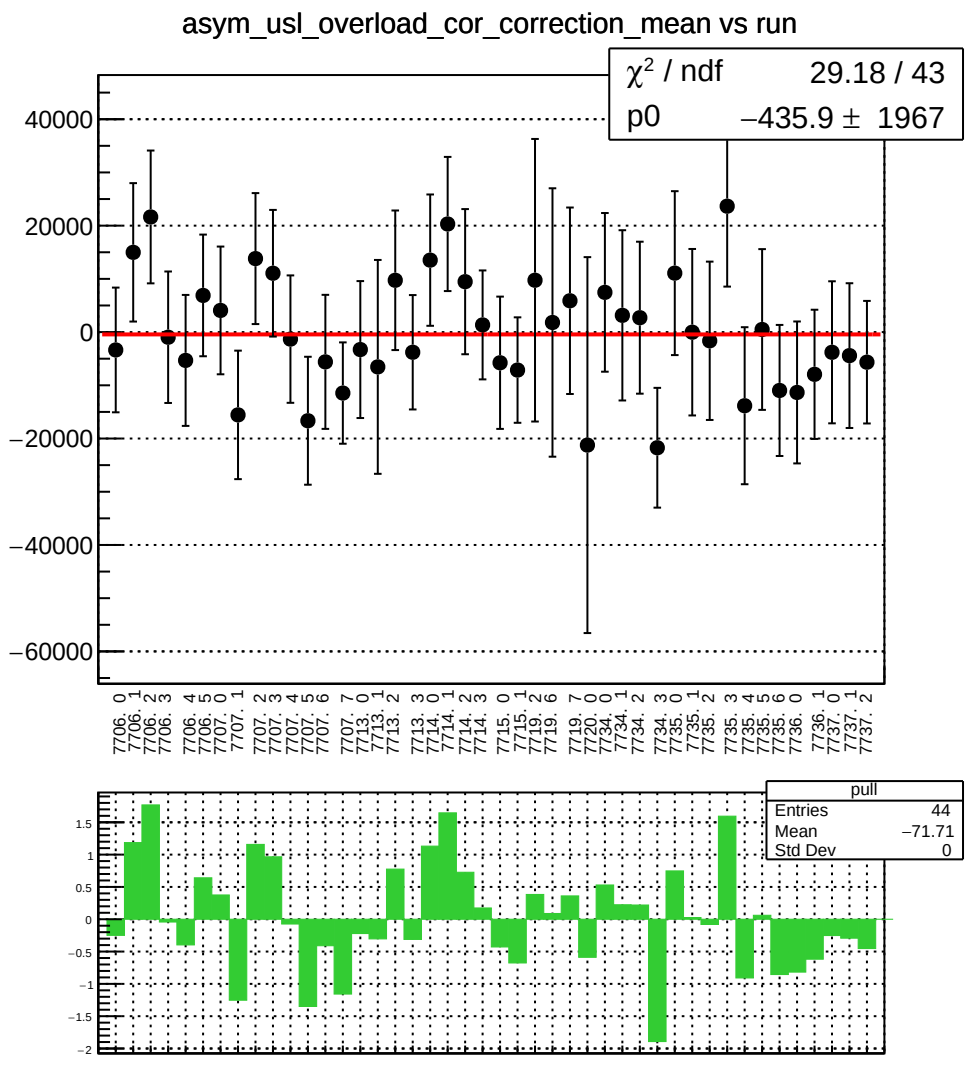

pull1D
Entries 54
Mean 0.03647
Std Dev 0.8129

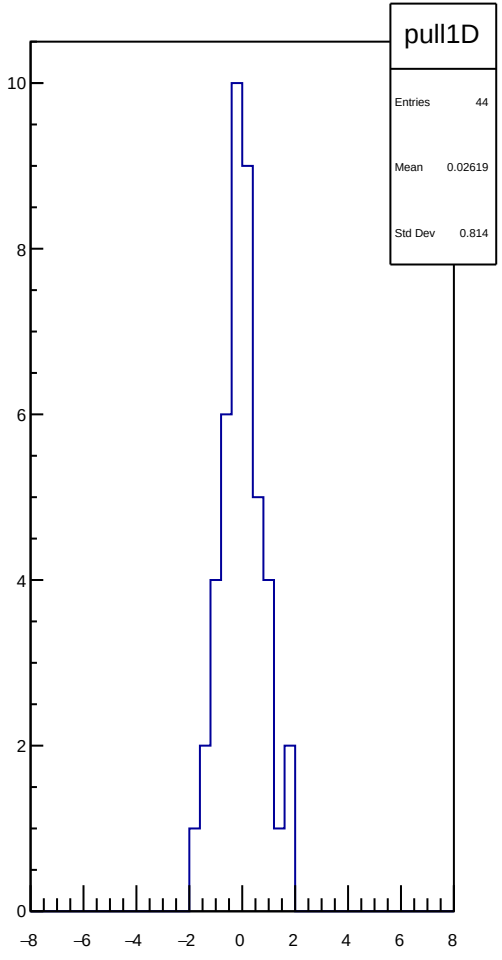

asym_usl_cor_correction_rms vs run
χ² / ndf 6.817e+04 / 53
p0 1349 ± 1.353
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

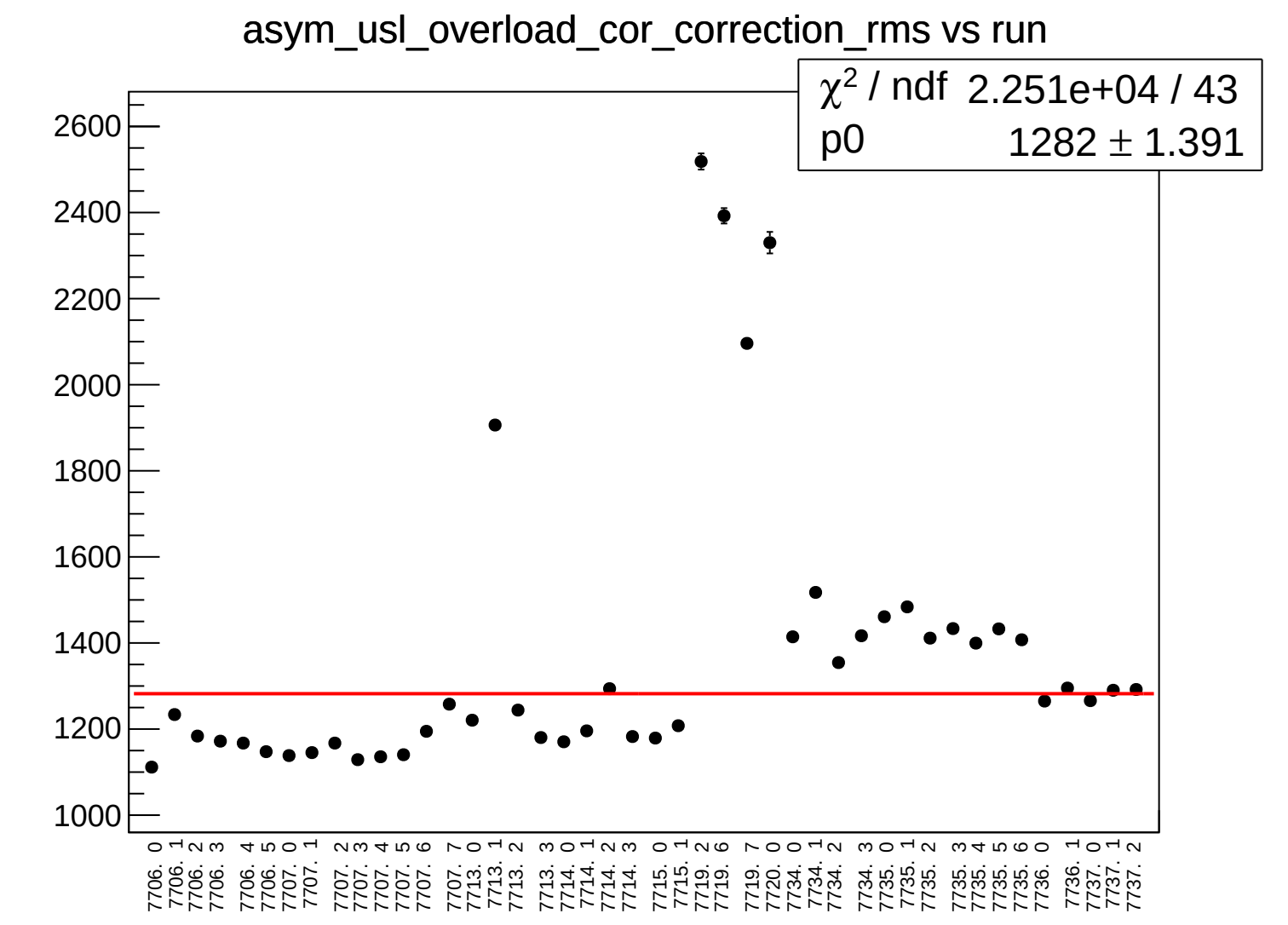

overload_cor_asym_usl_mean vs run
χ² / ndf 41.74 / 53
p0 483 ± 1600
pull
Entries 54
Mean 787.1
Std Dev 0

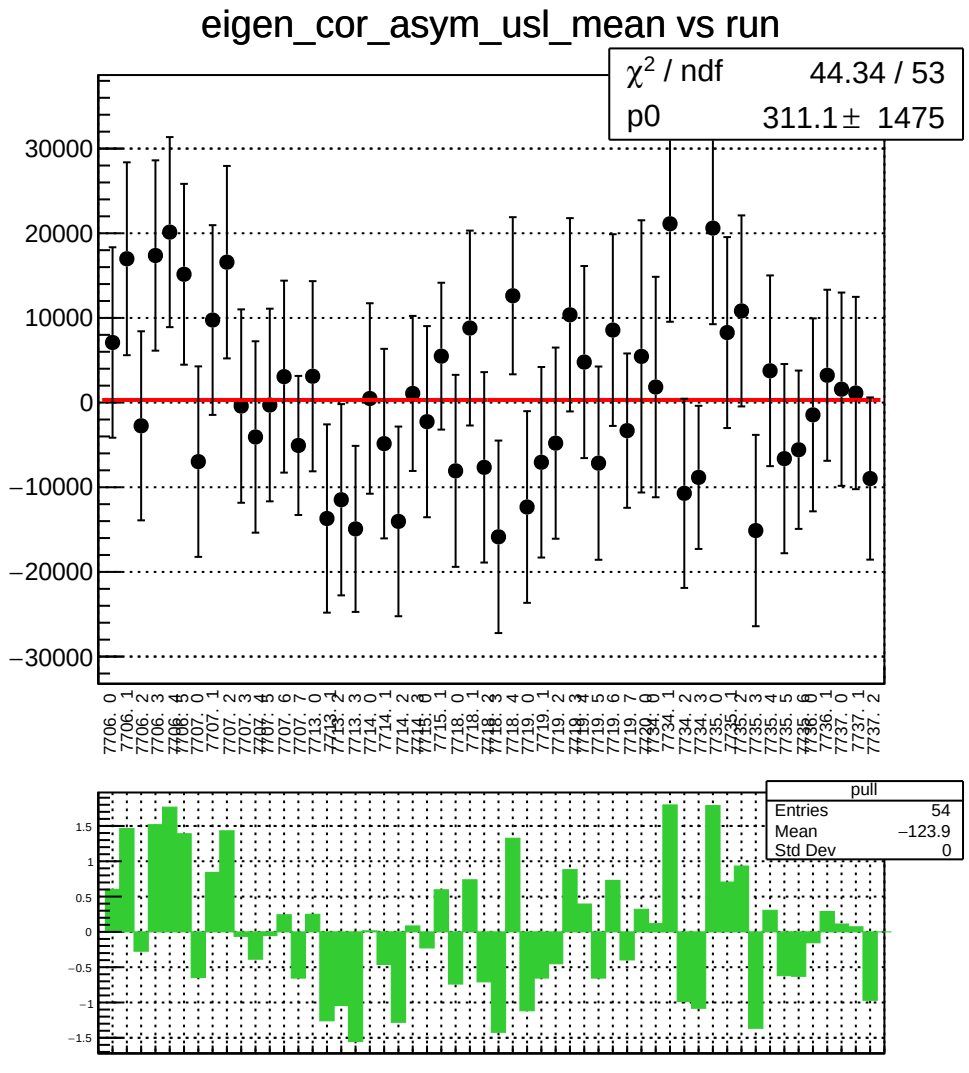

pull1D
Entries 54
Mean −0.003652
Std Dev 0.8792

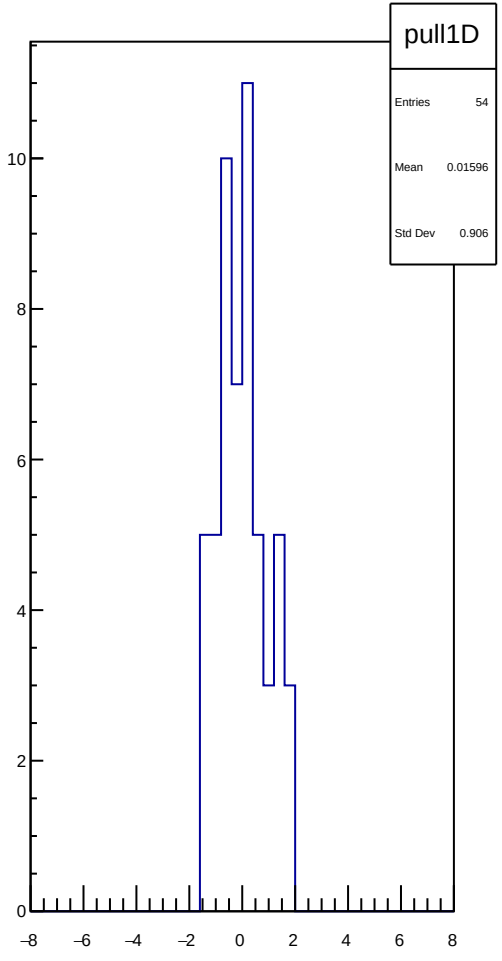

overload_cor_asym_usl_rms vs run
χ² / ndf 7.018e+04 / 53
p0 1126 ± 1.131
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

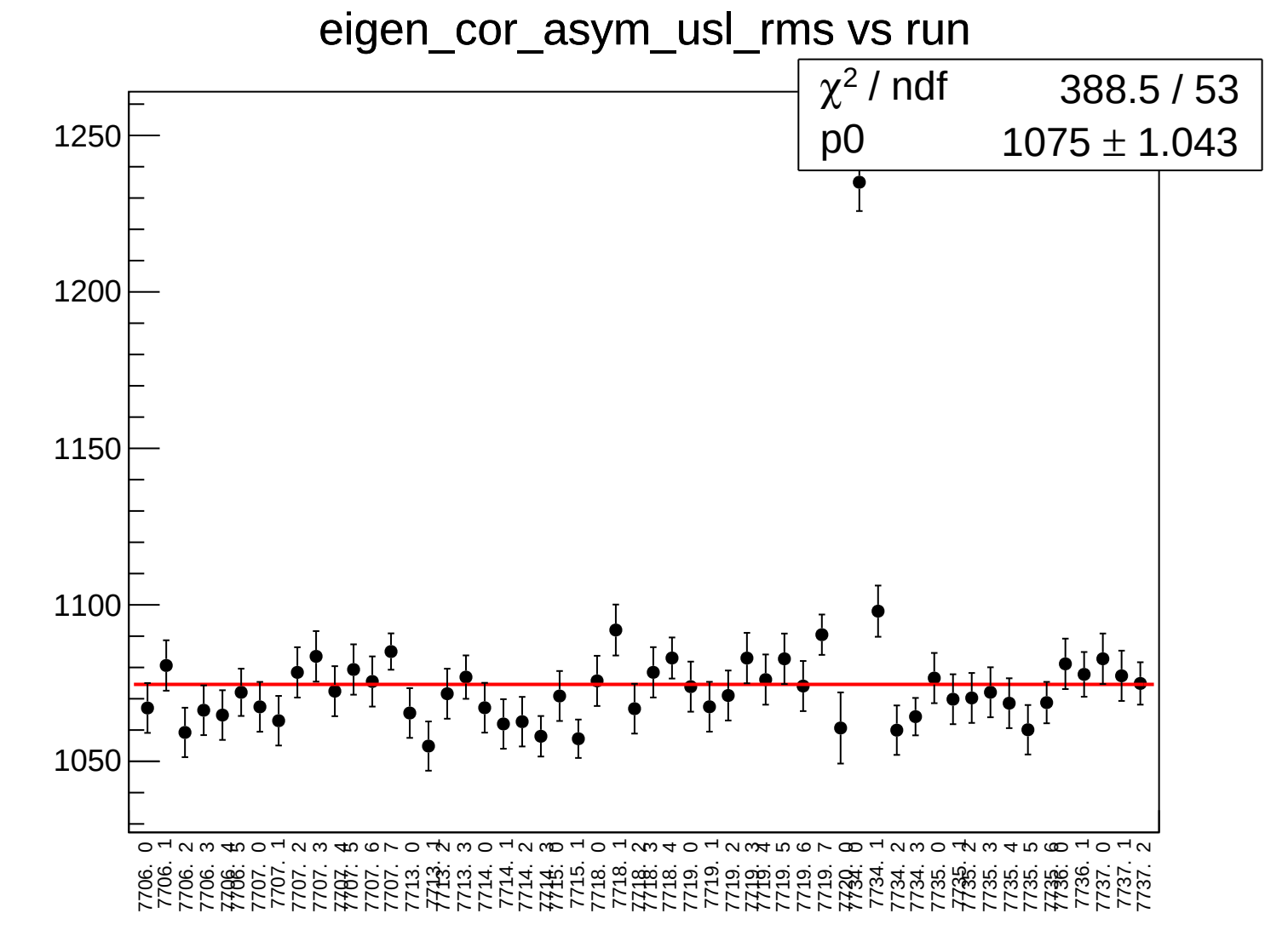

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 29.18 / 43
p0 −435.9 ± 1967
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 44
Mean −71.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

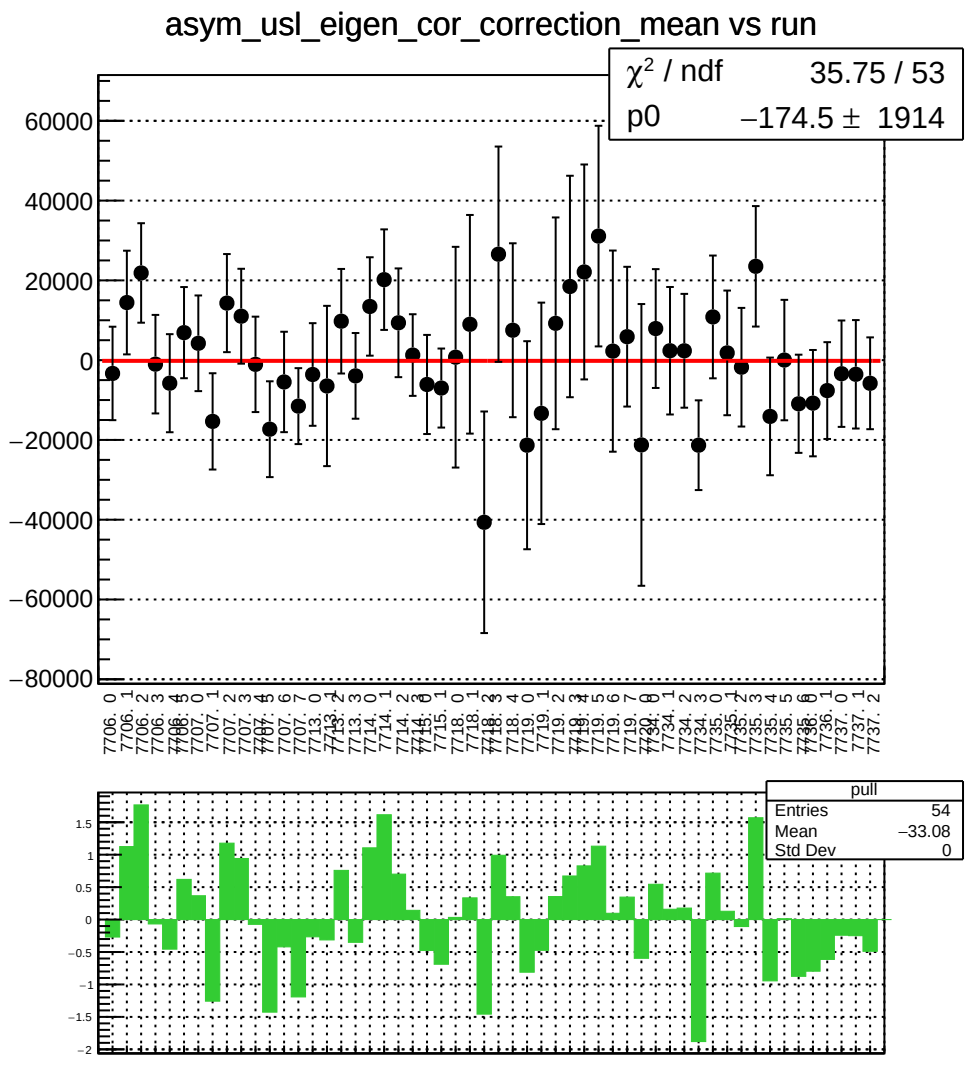

pull1D
Entries 44
Mean 0.02619
Std Dev 0.814
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

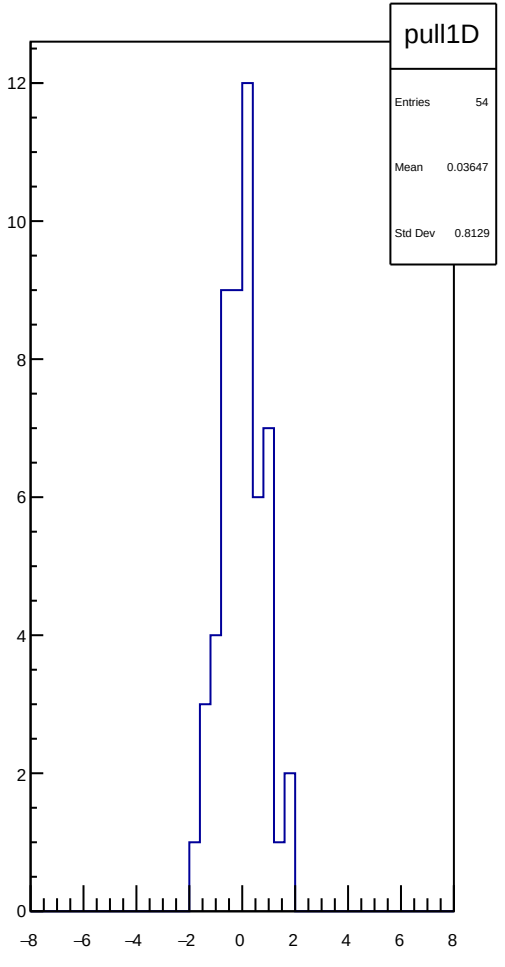

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2.251e+04 / 43
p0 1282 ± 1.391
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

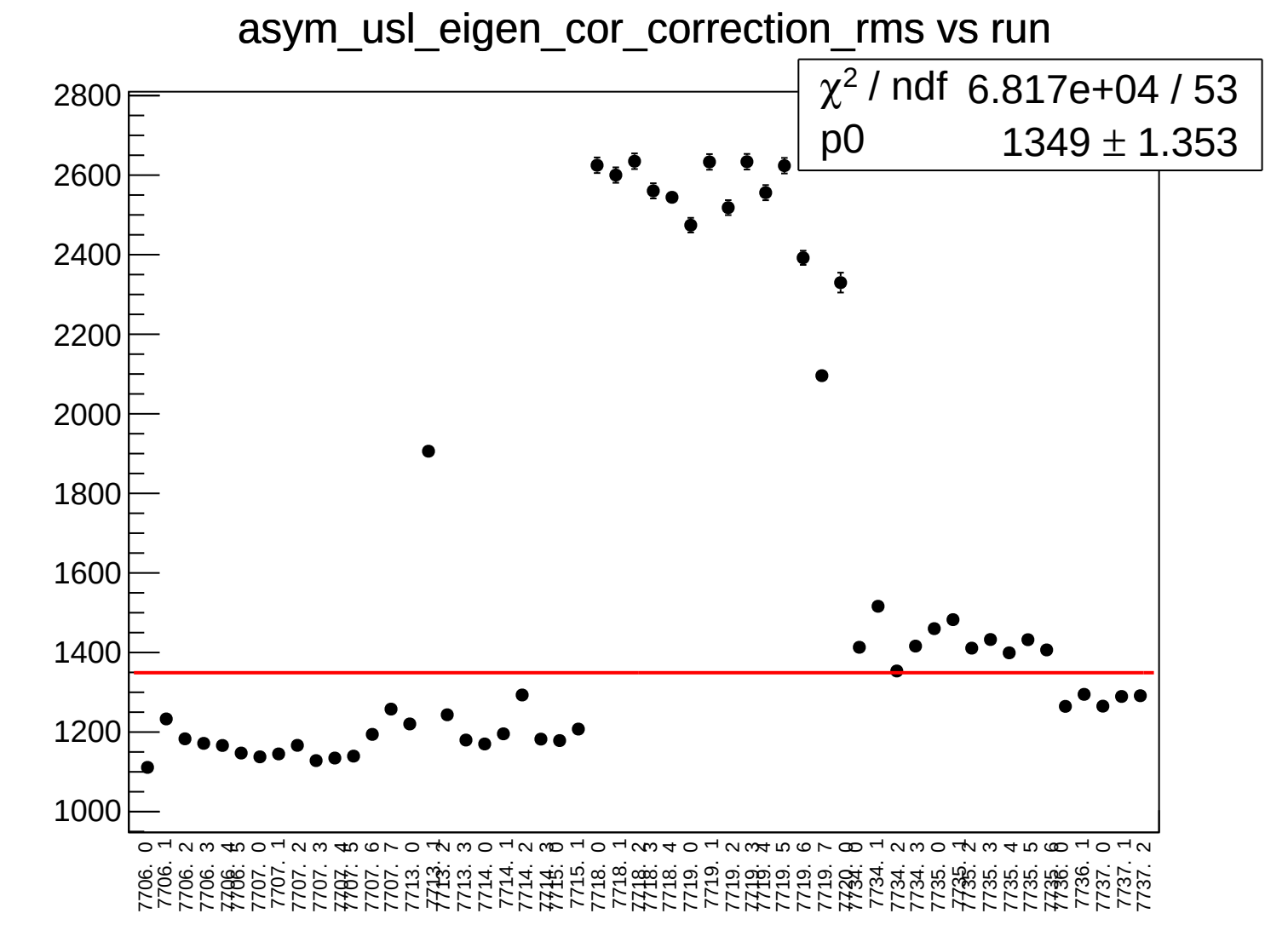

eigen_cor_asym_usl_mean vs run
χ² / ndf 44.34 / 53
p0 311.1 ± 1475
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −123.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

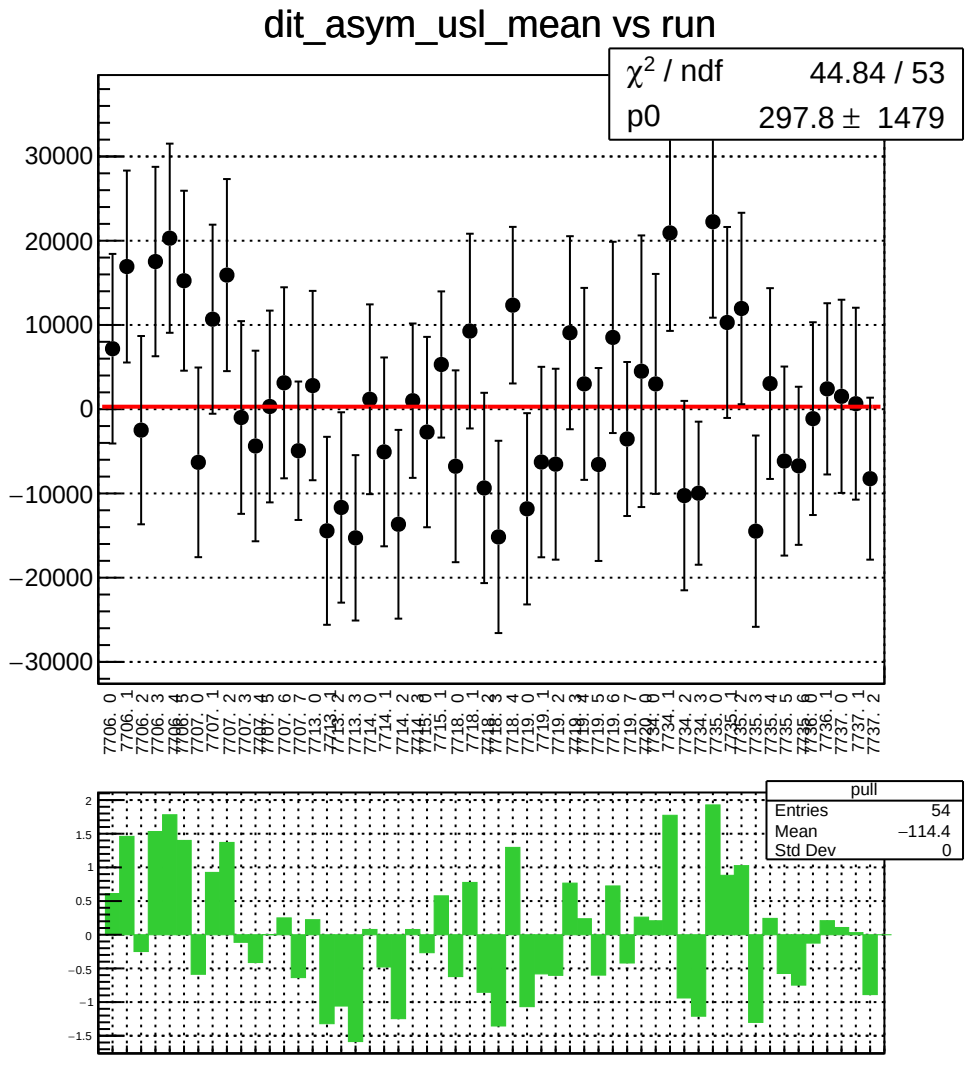

pull1D
Entries 54
Mean 0.01596
Std Dev 0.906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

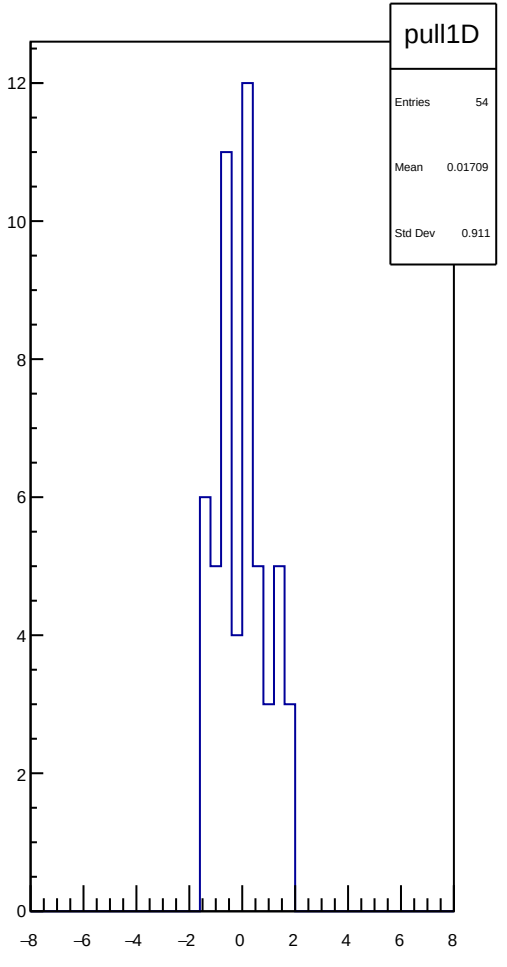

eigen_cor_asym_usl_rms vs run
χ² / ndf 388.5 / 53
p0 1075 ± 1.043
1250
1200
1150
1100
1050

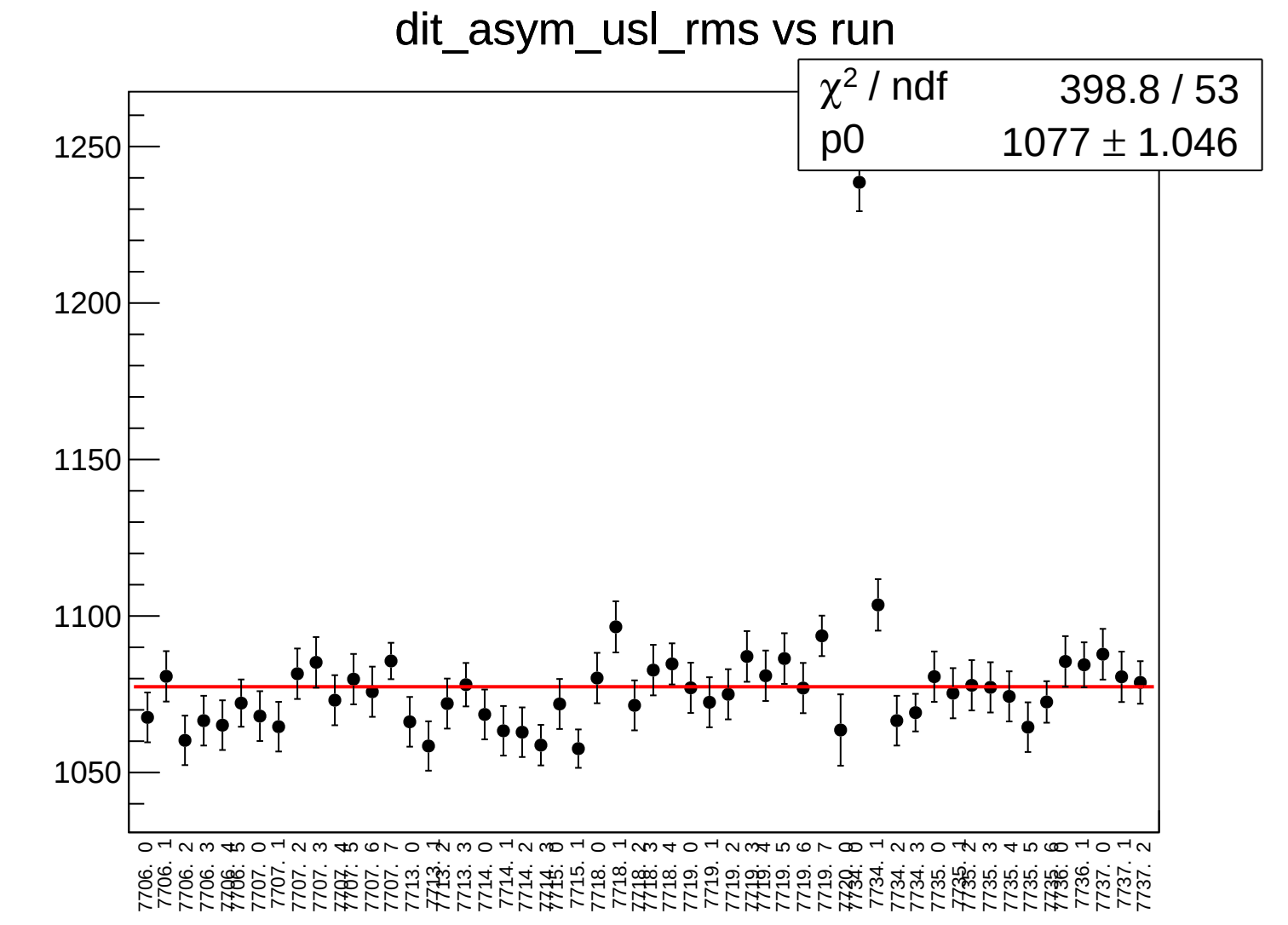

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 35.75 / 53
p0 −174.5 ± 1914
pull
Entries 54
Mean −33.08
Std Dev 0

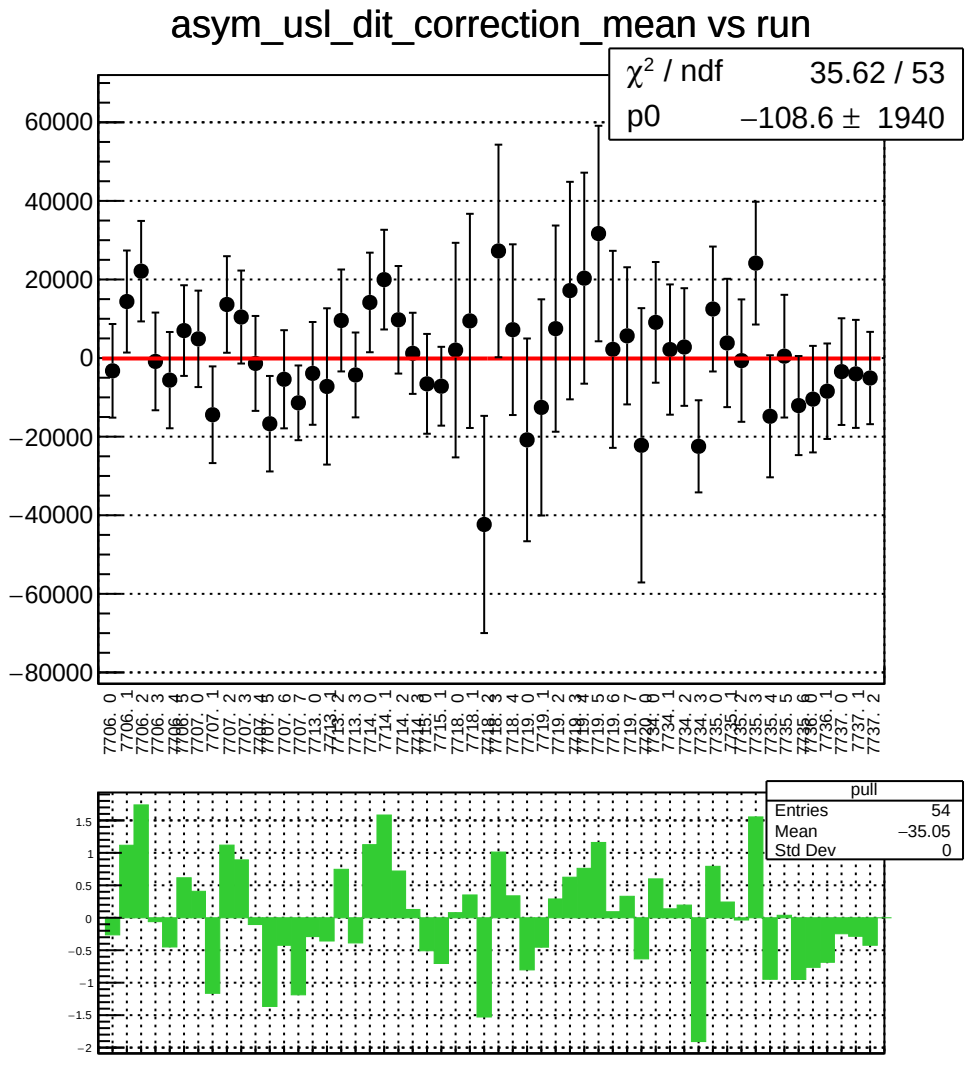

pull1D
Entries 54
Mean 0.03647
Std Dev 0.8129

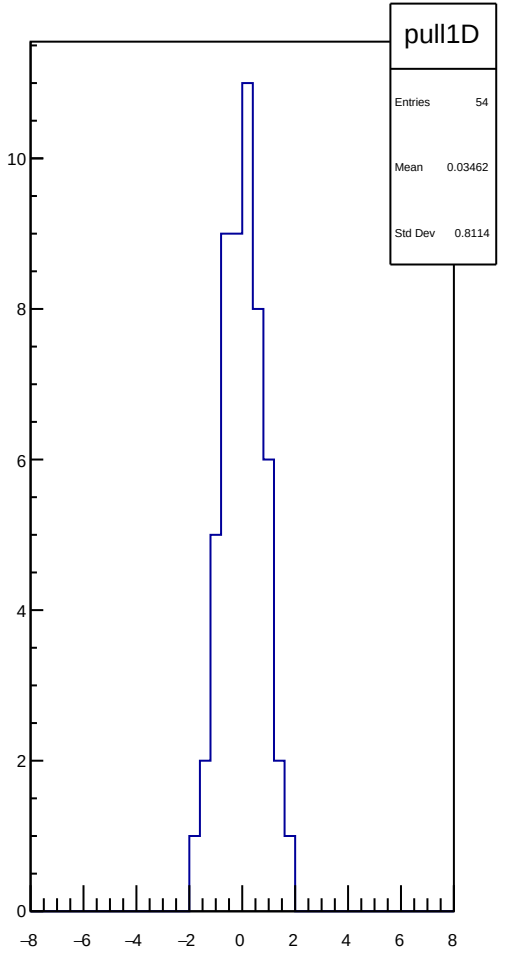

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 6.817e+04 / 53
p0 1349 ± 1.353
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

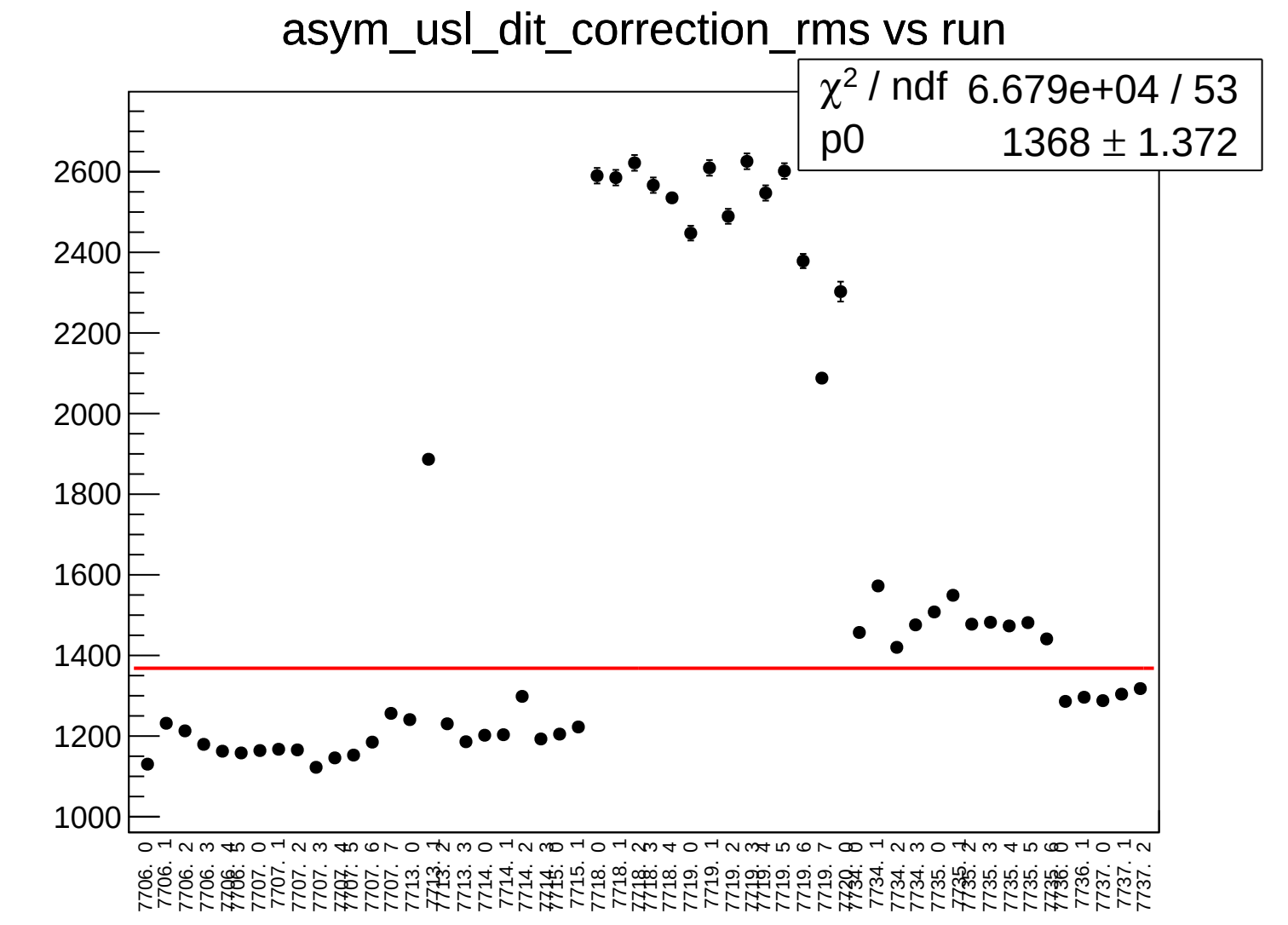

dit_asym_usl_mean vs run
χ² / ndf 44.84 / 53
p0 297.8 ± 1479
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −114.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

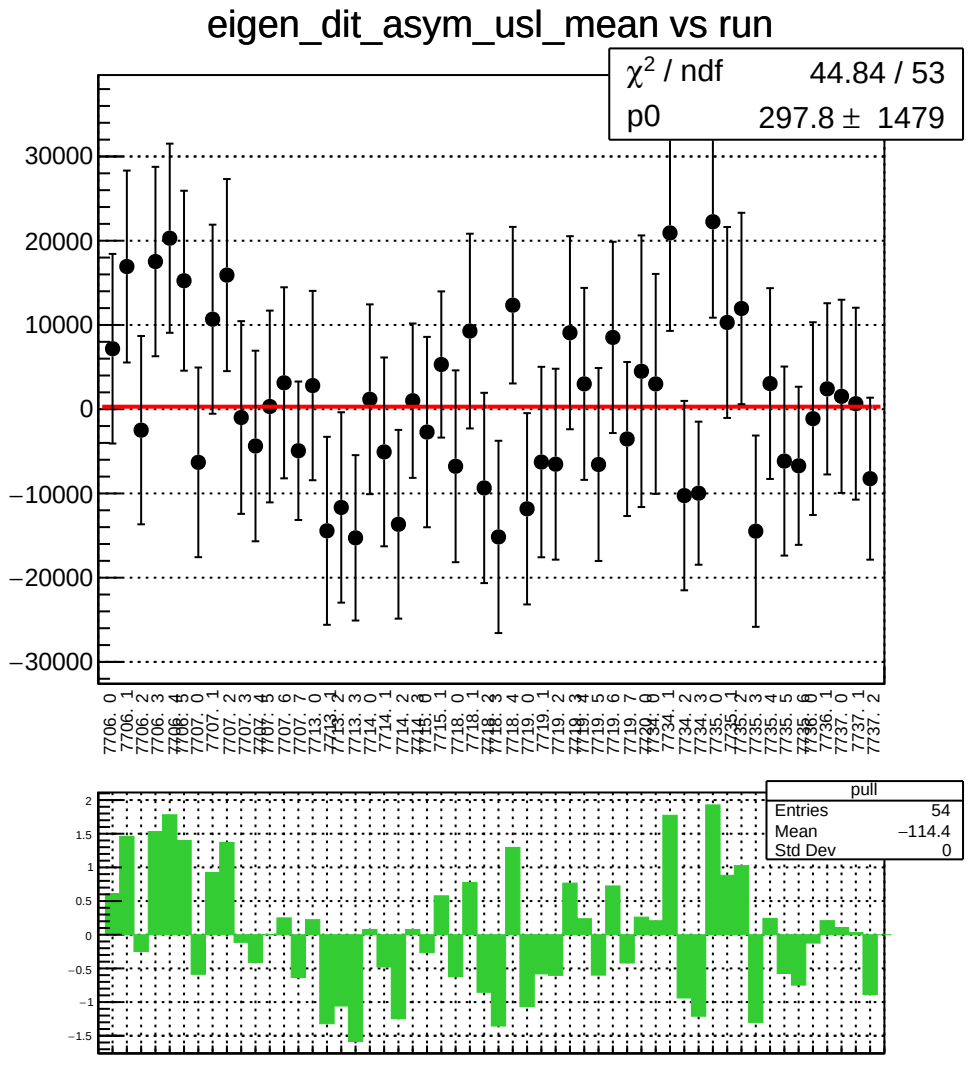

pull1D
Entries 54
Mean 0.01709
Std Dev 0.911
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

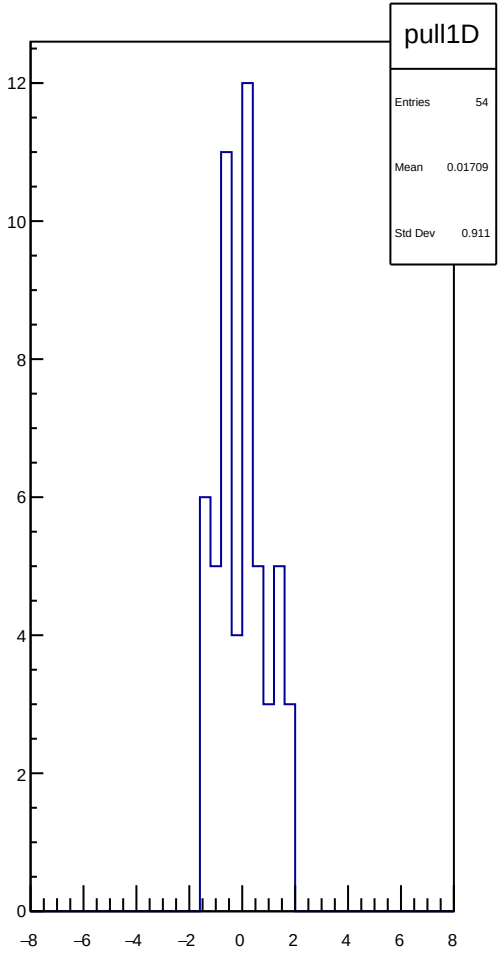

dit_asym_usl_rms vs run
χ² / ndf 398.8 / 53
p0 1077 ± 1.046
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

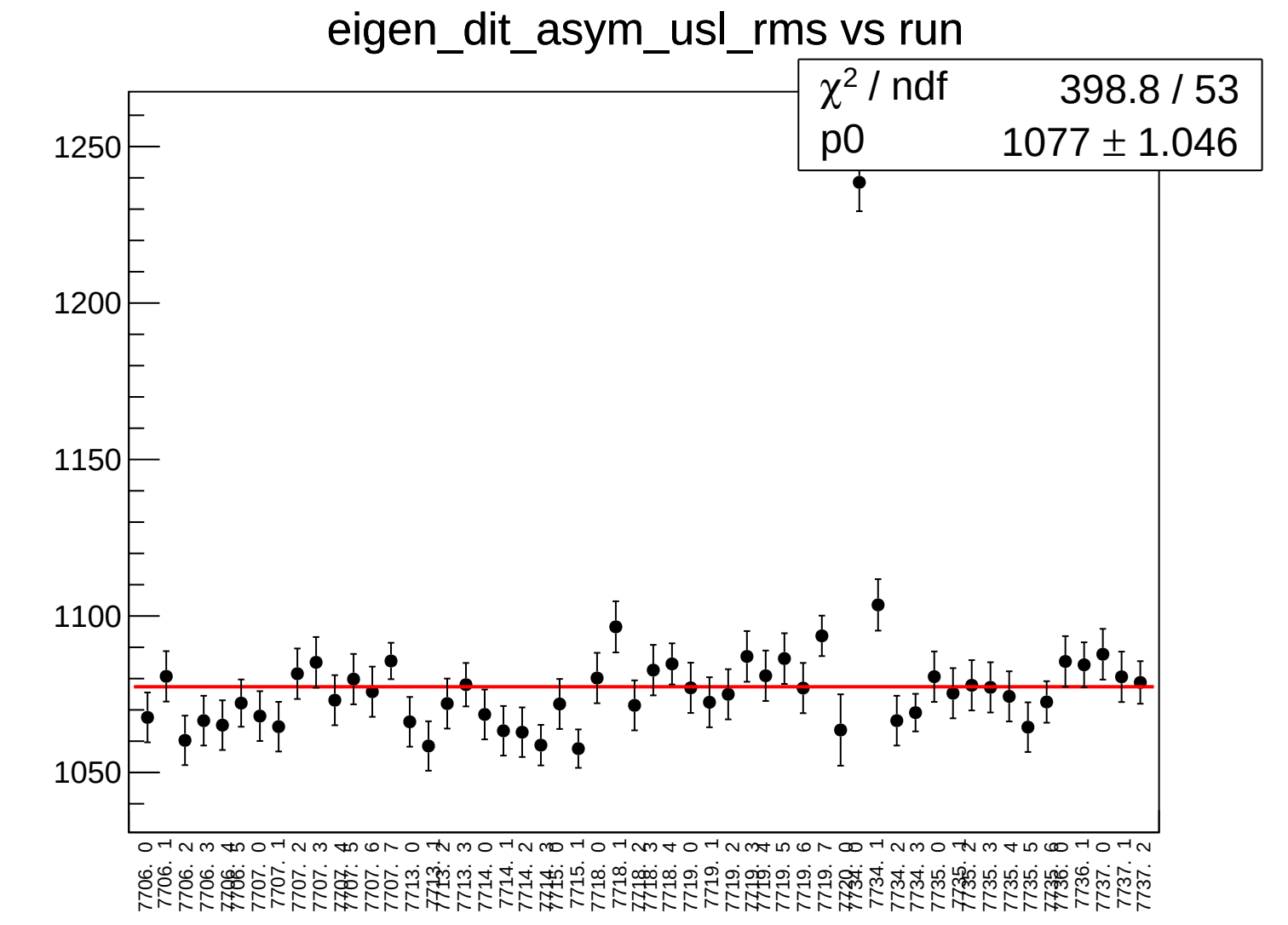

asym_usl_dit_correction_mean vs run
χ² / ndf 35.62 / 53
p0 −108.6 ± 1940
pull
Entries 54
Mean −35.05
Std Dev 0

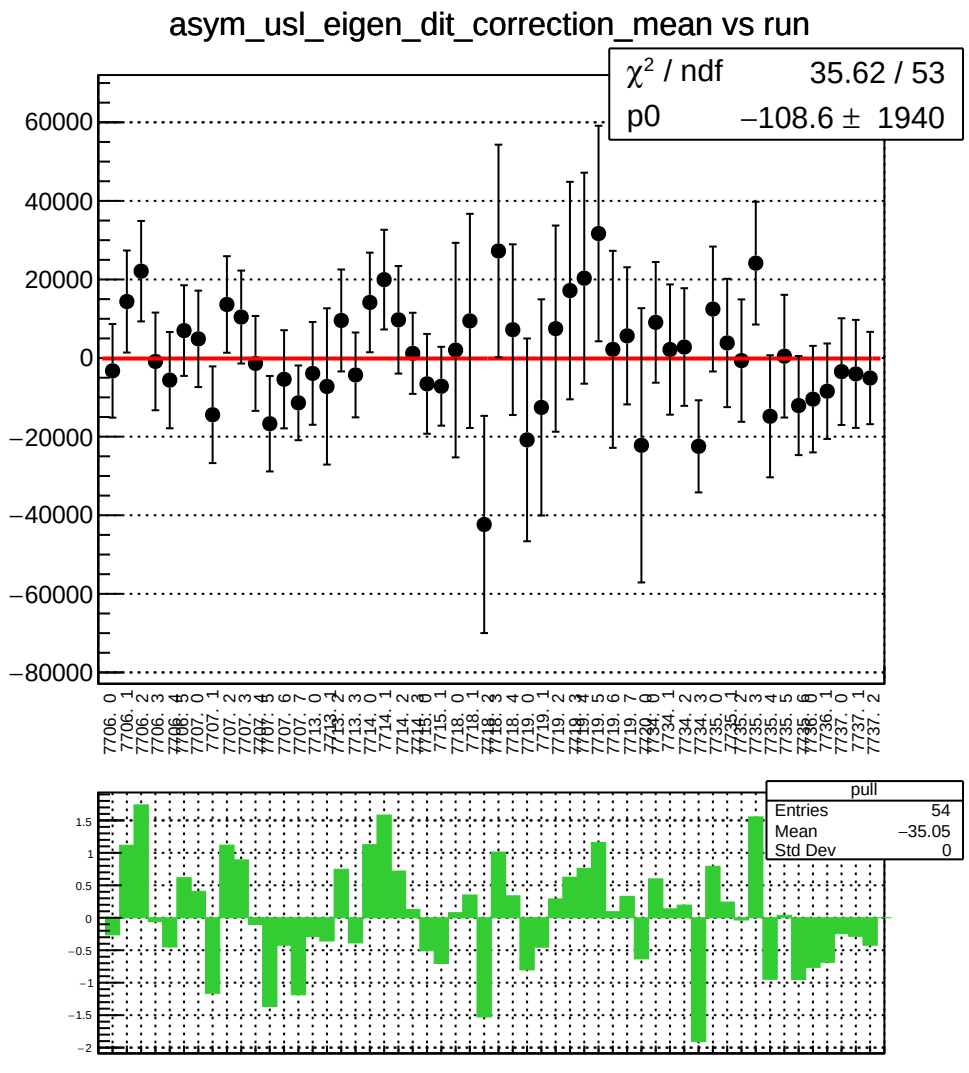

pull1D
Entries 54
Mean 0.03462
Std Dev 0.8114

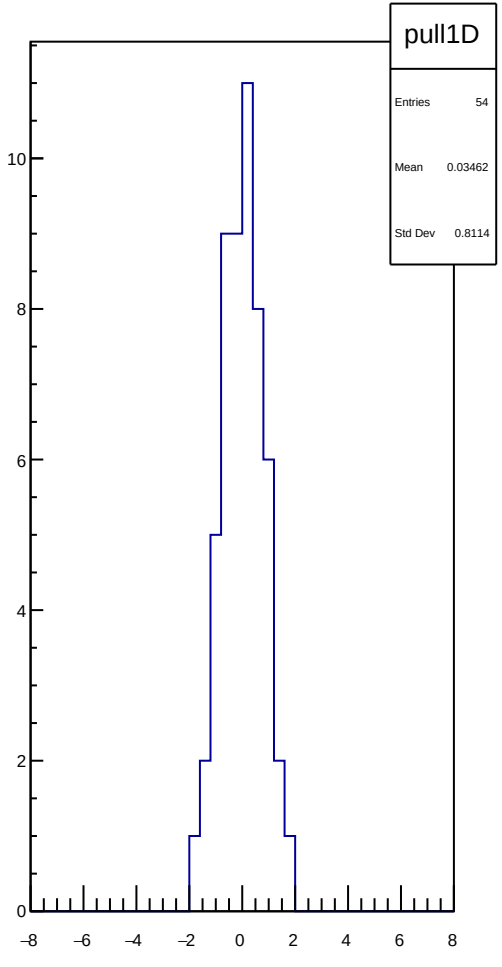

asym_usl_dit_correction_rms vs run
χ² / ndf 6.679e+04 / 53
p0 1368 ± 1.372
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

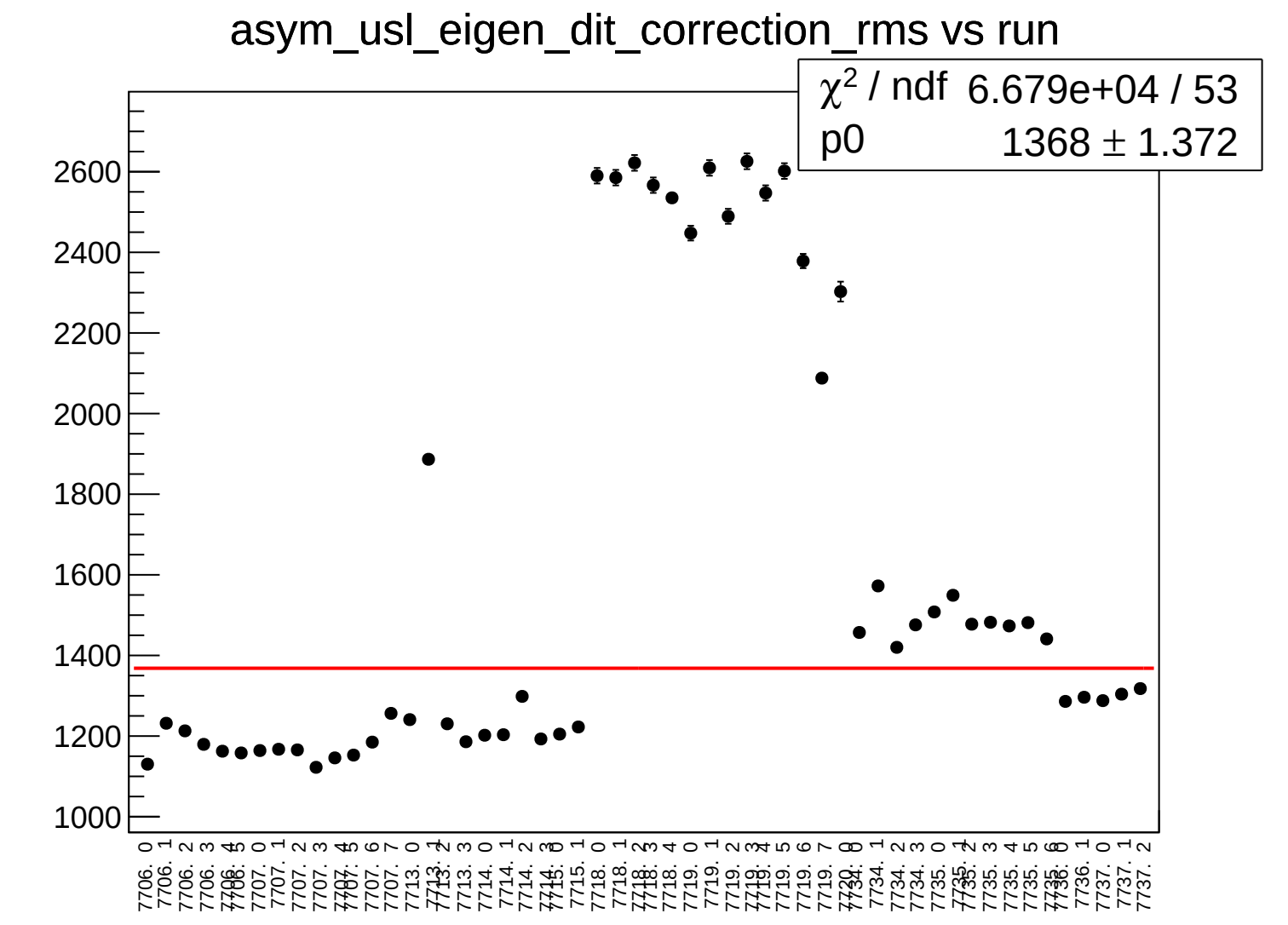

eigen_dit_asym_usl_mean vs run
χ² / ndf 44.84 / 53
p0 297.8 ± 1479
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −114.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

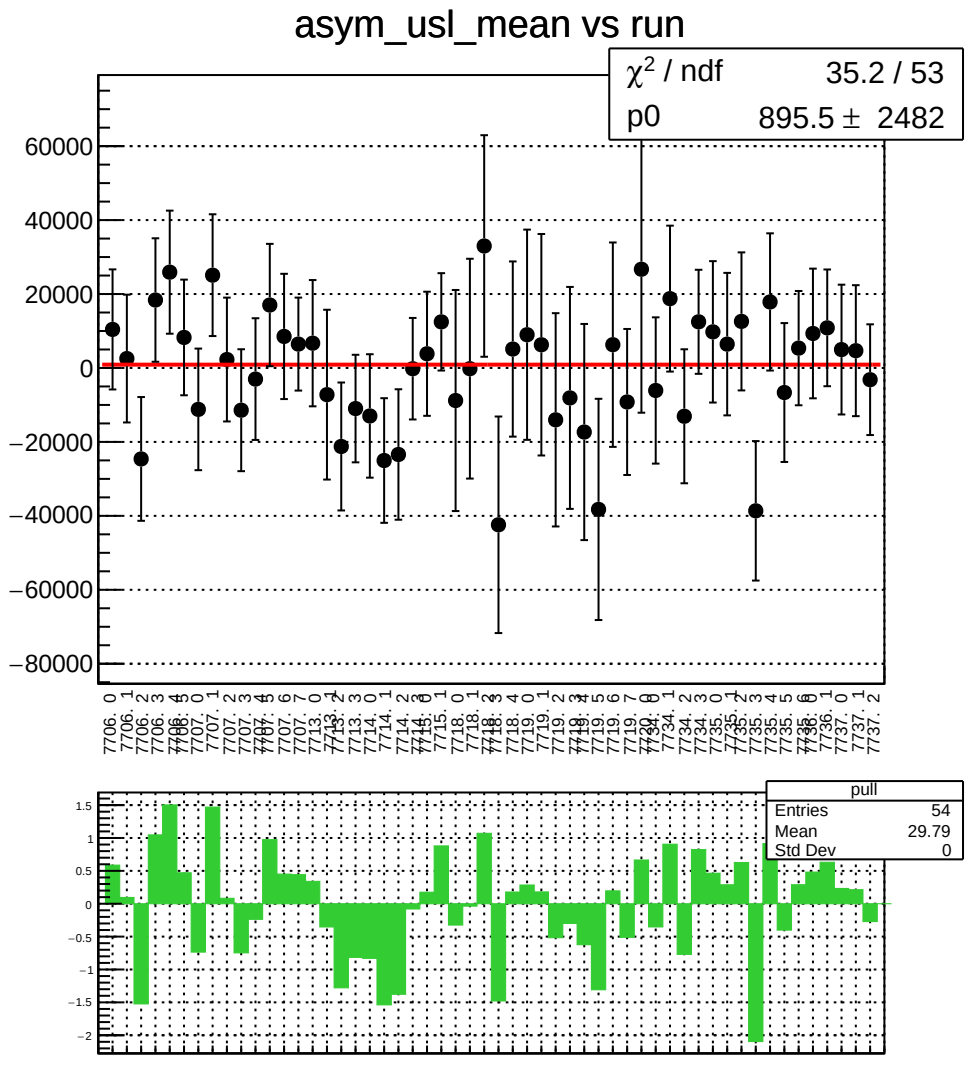

pull1D
Entries 54
Mean 0.01709
Std Dev 0.911
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

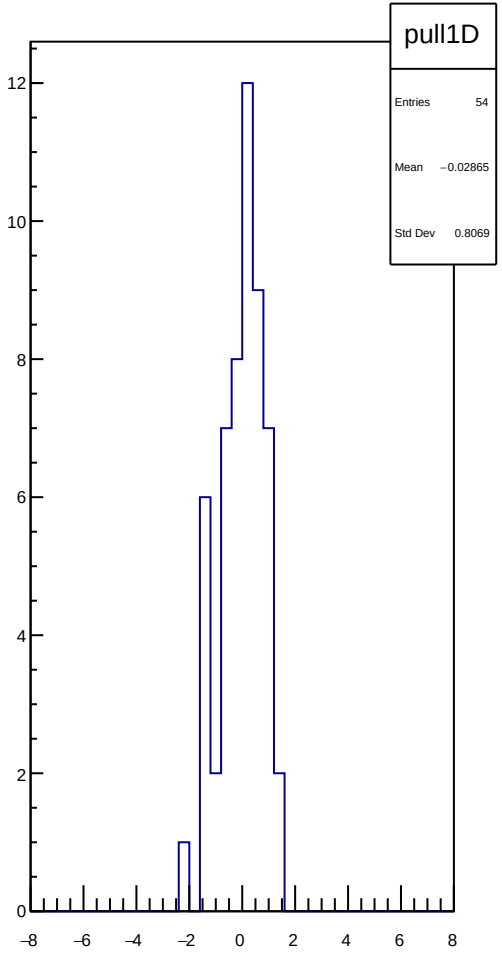

eigen_dit_asym_usl_rms vs run
χ² / ndf 398.8 / 53
p0 1077 ± 1.046
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

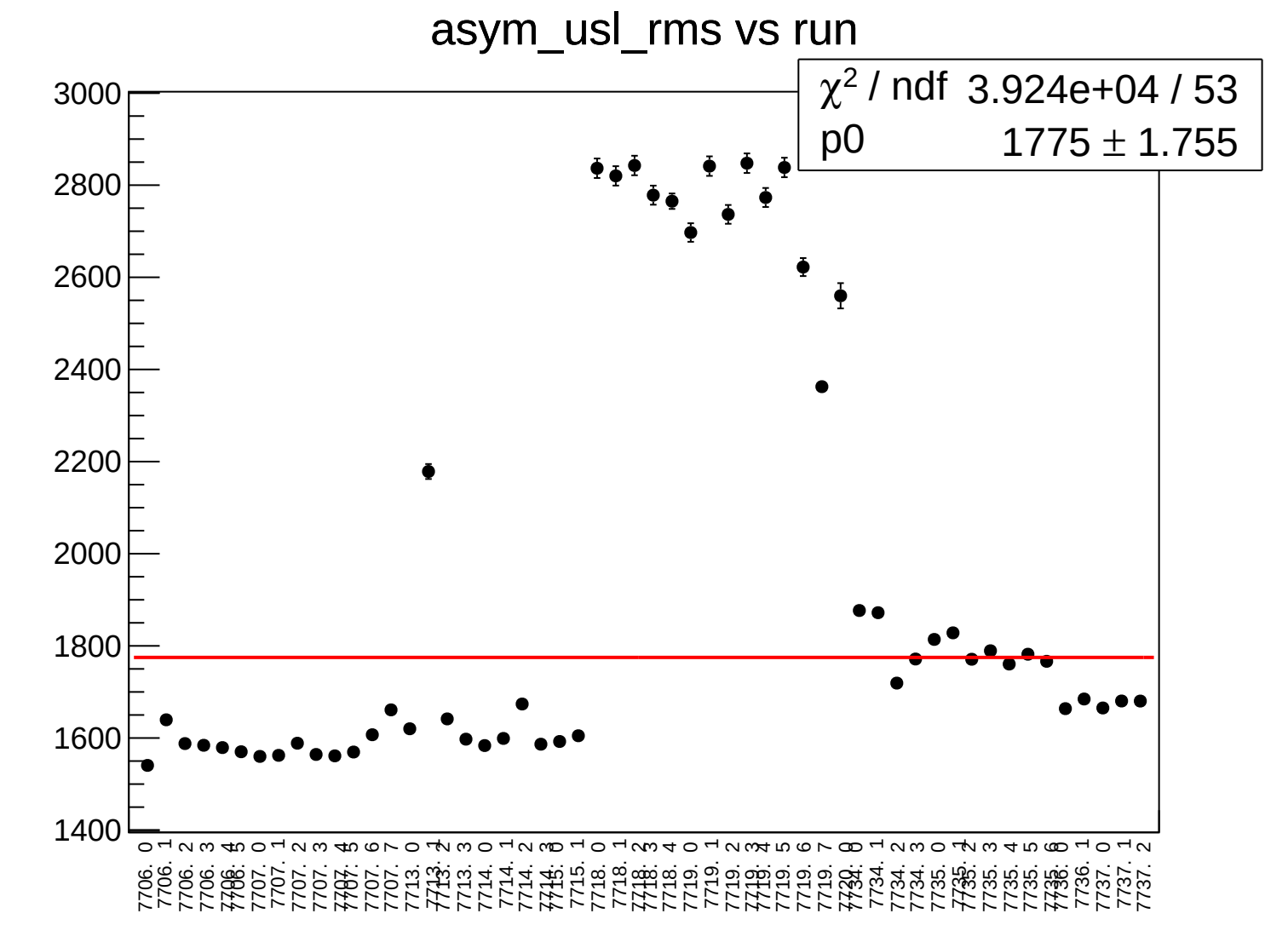

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 35.62 / 53
p0 −108.6 ± 1940
pull
Entries 54
Mean −35.05
Std Dev 0

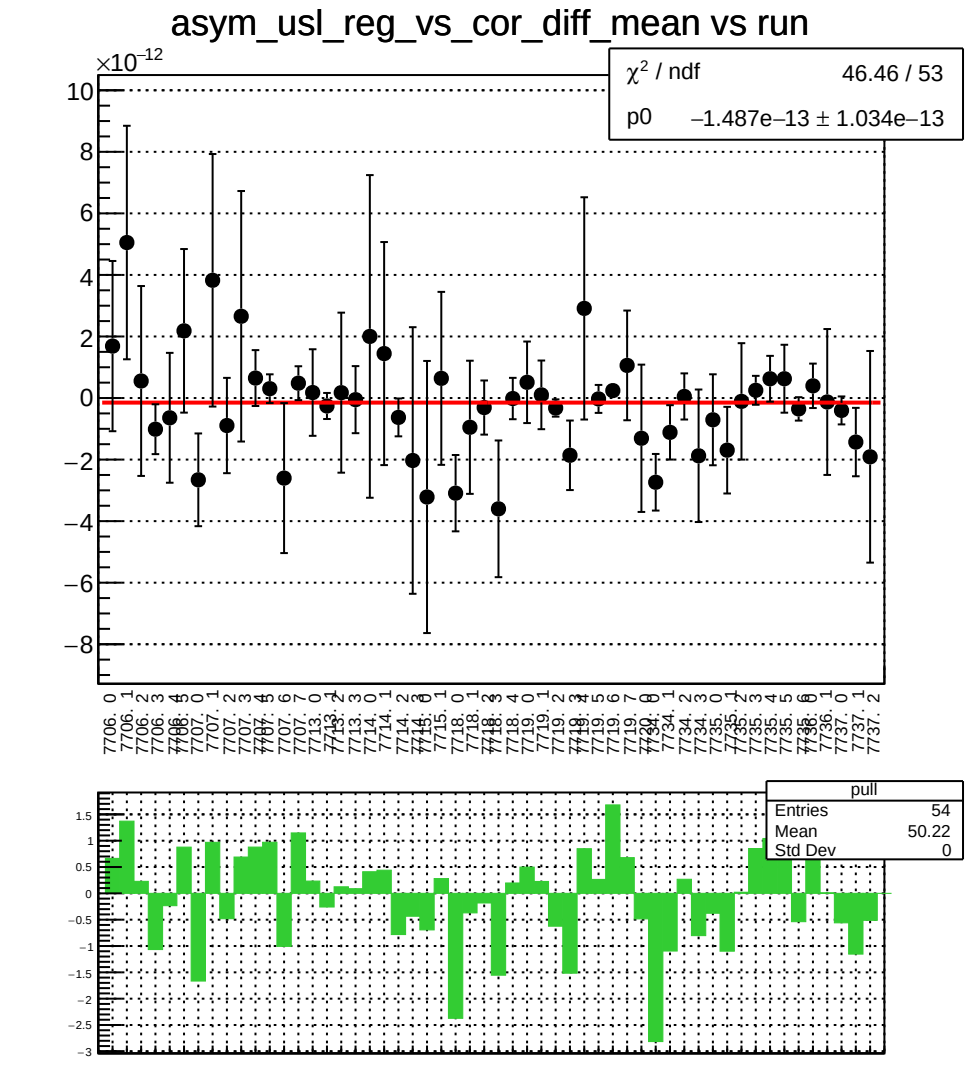

pull1D
Entries 54
Mean 0.03462
Std Dev 0.8114

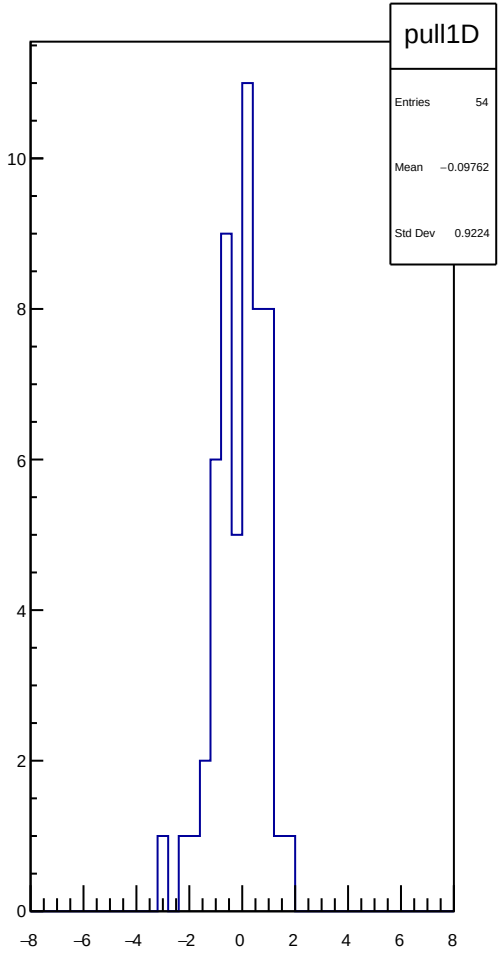

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 6.679e+04 / 53
p0 1368 ± 1.372
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

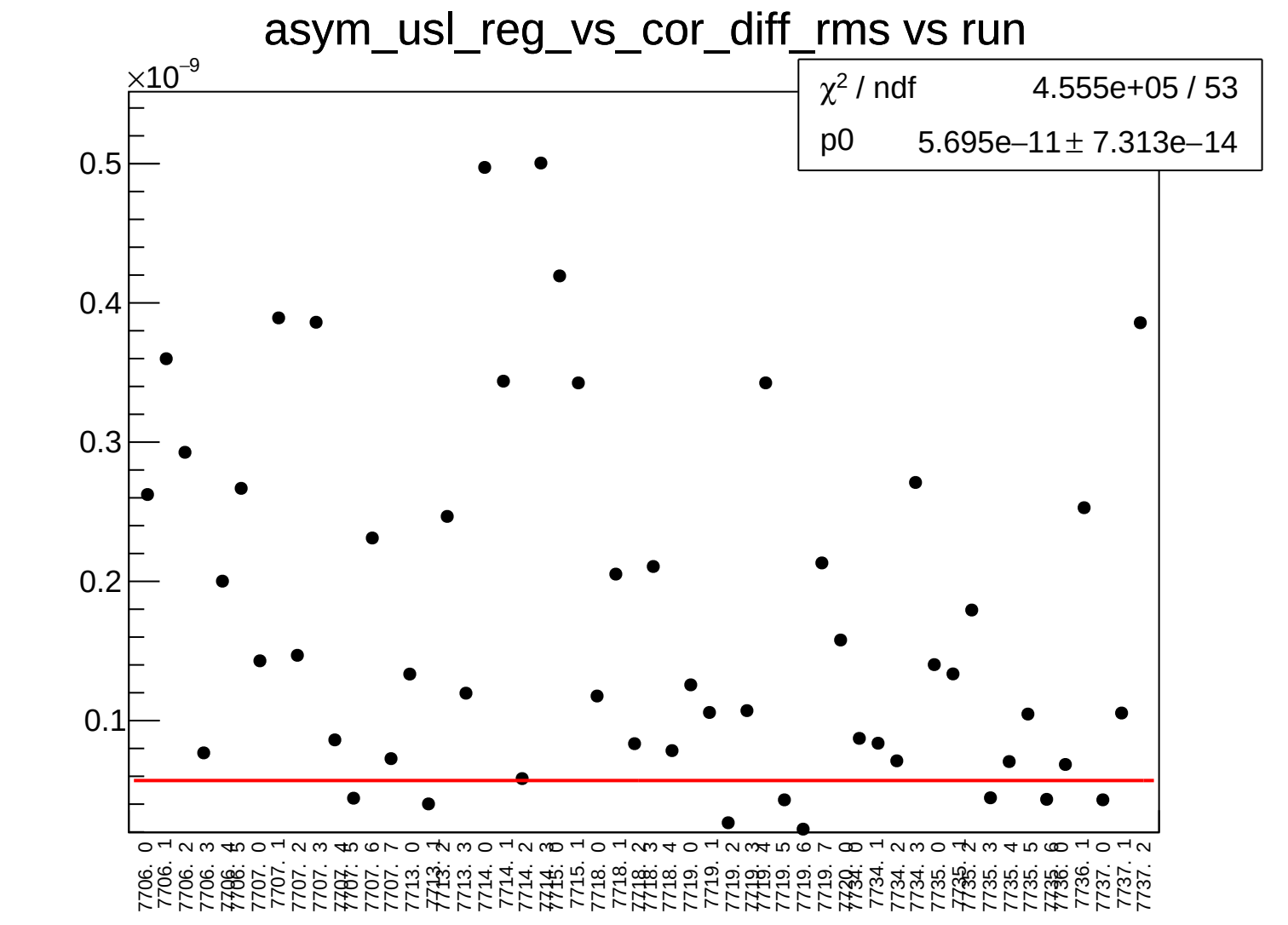

asym_usl_mean vs run
χ² / ndf 35.2 / 53
p0 895.5 ± 2482
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 29.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

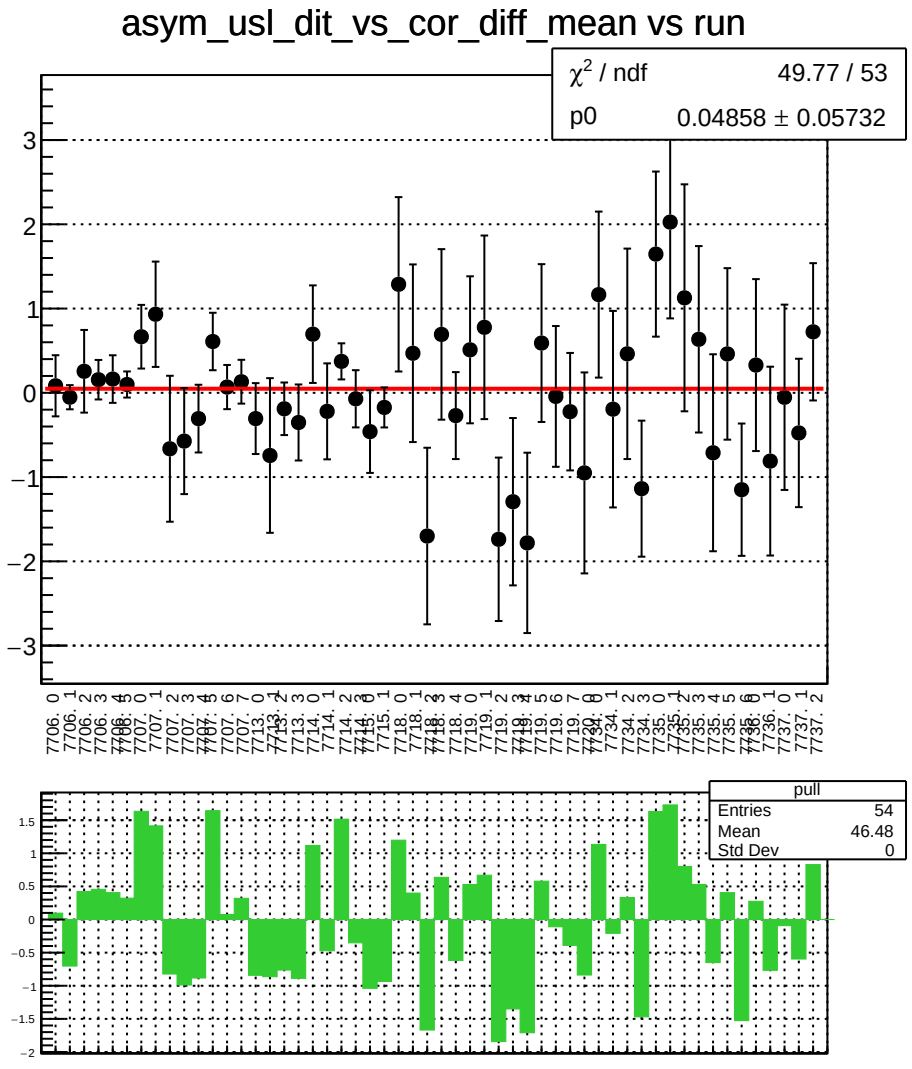

pull1D
Entries 54
Mean −0.02865
Std Dev 0.8069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

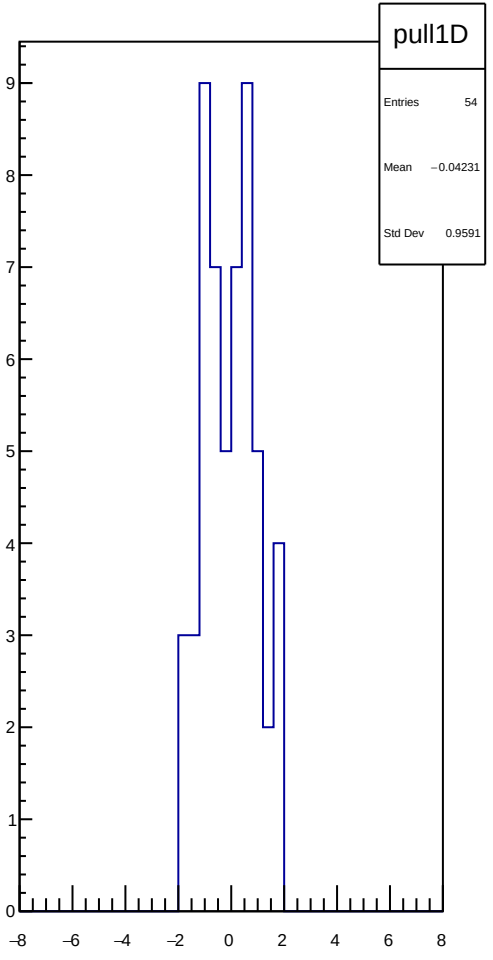

asym_usl_rms vs run
χ^2 / ndf 3.924e+04 / 53
p0 1775 ± 1.755
3000
2800
2600
2400
2200
2000
1800
1600
1400

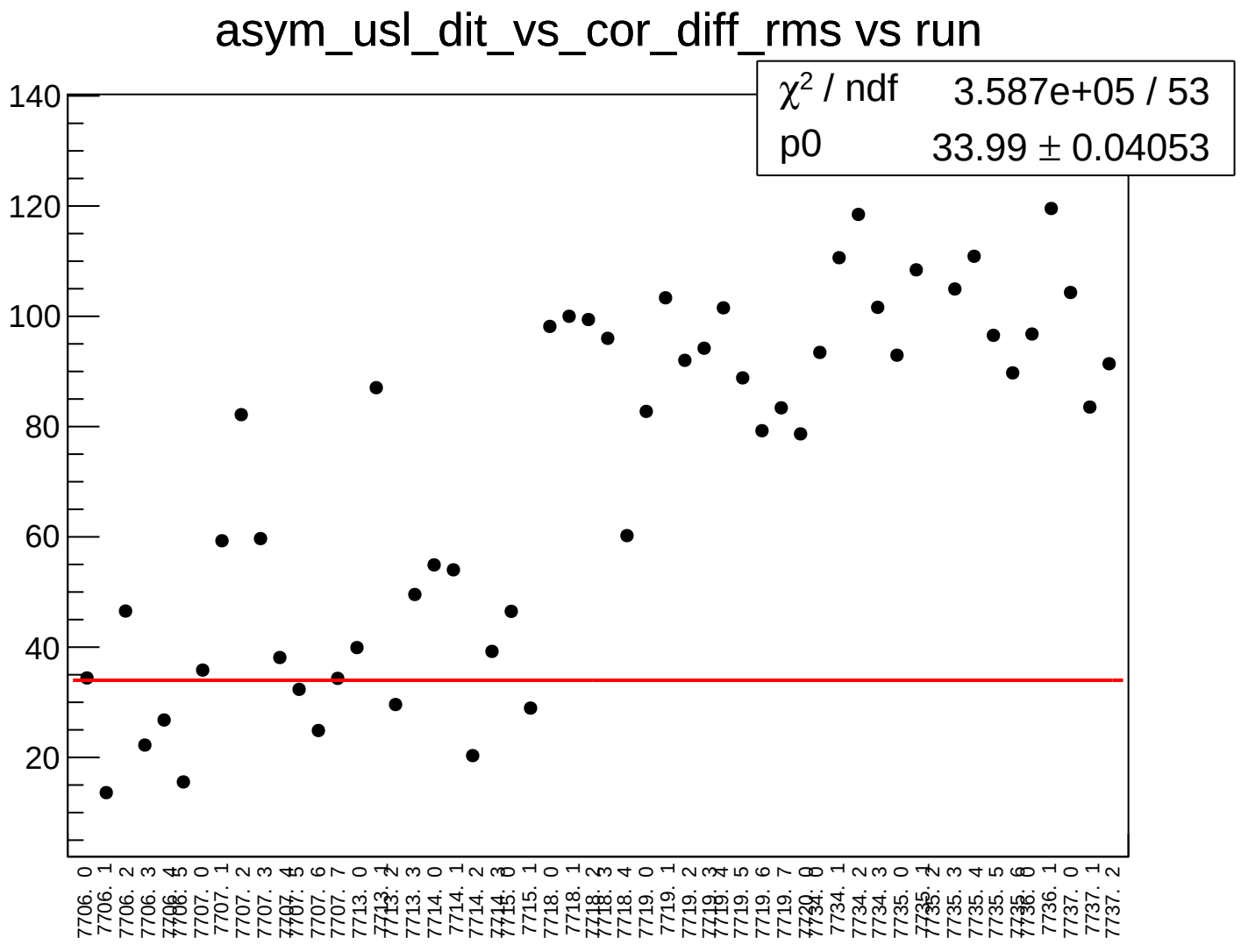

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.46 / 53
p0 −1.487e−13 ± 1.034e−13
pull
Entries 54
Mean 50.22
Std Dev 0

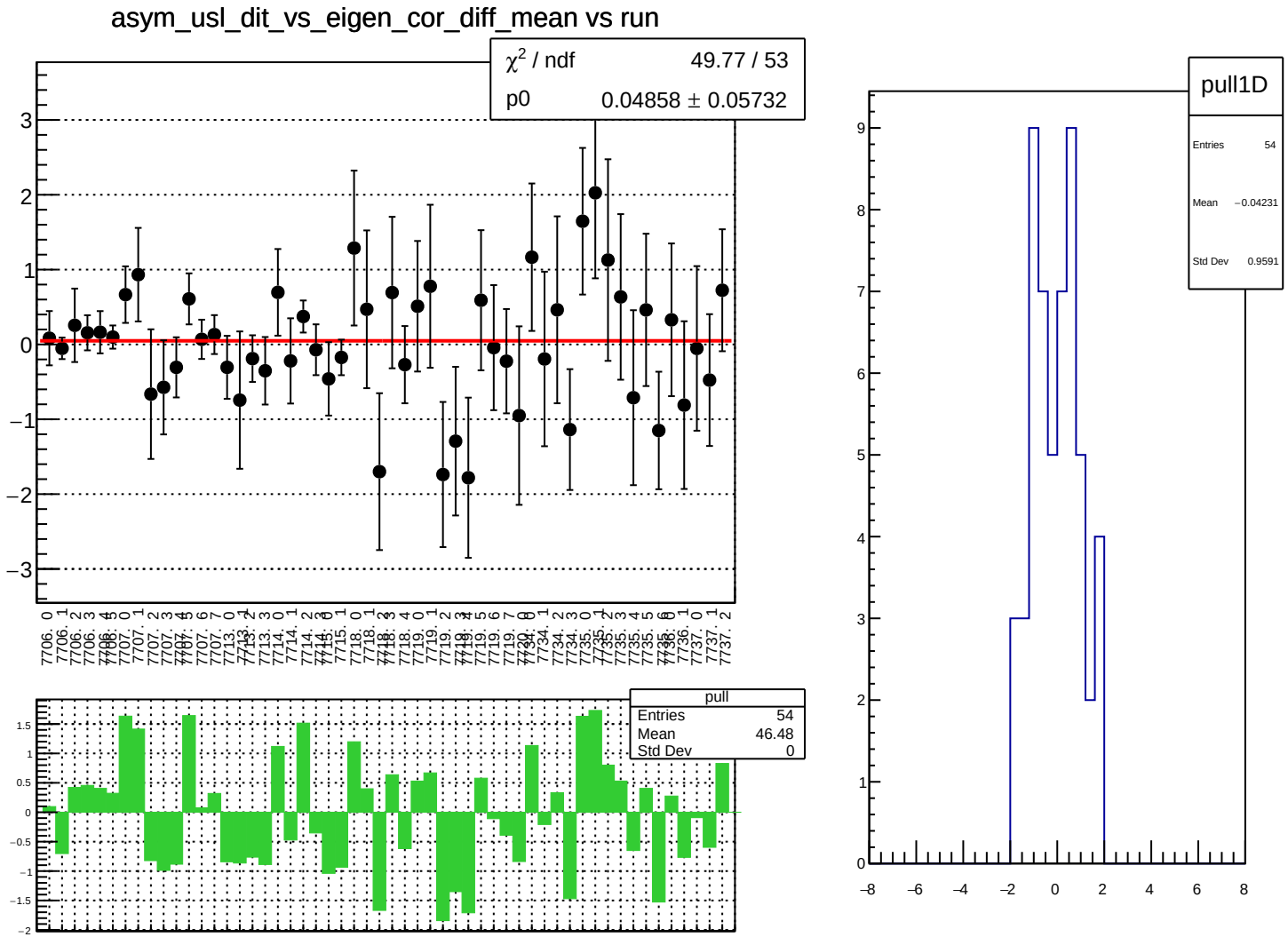

pull1D
Entries 54
Mean −0.09762
Std Dev 0.9224

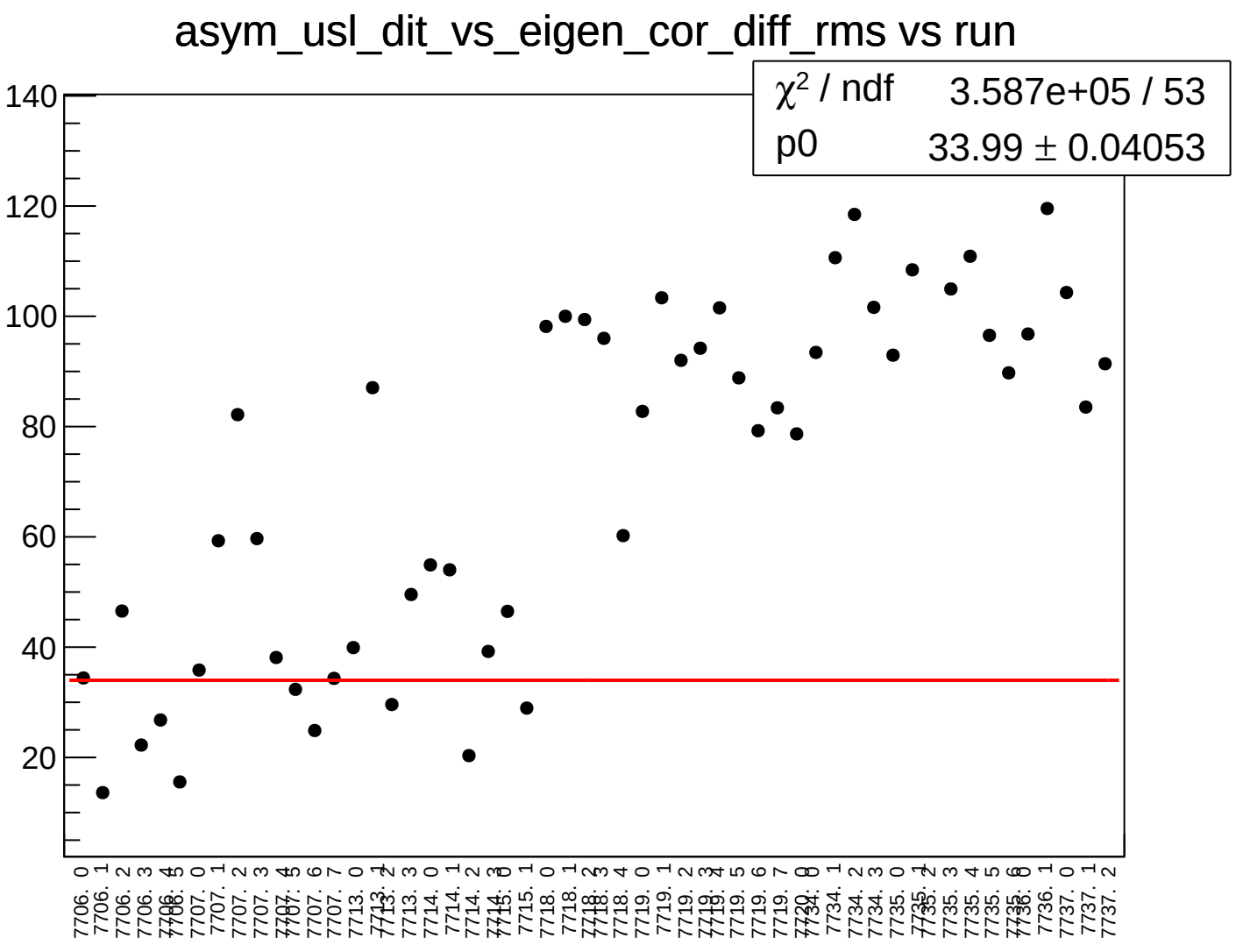

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.555e+05 / 53
p0 5.695e−11 ± 7.313e−14
0.5
0.4
0.3
0.2
0.1

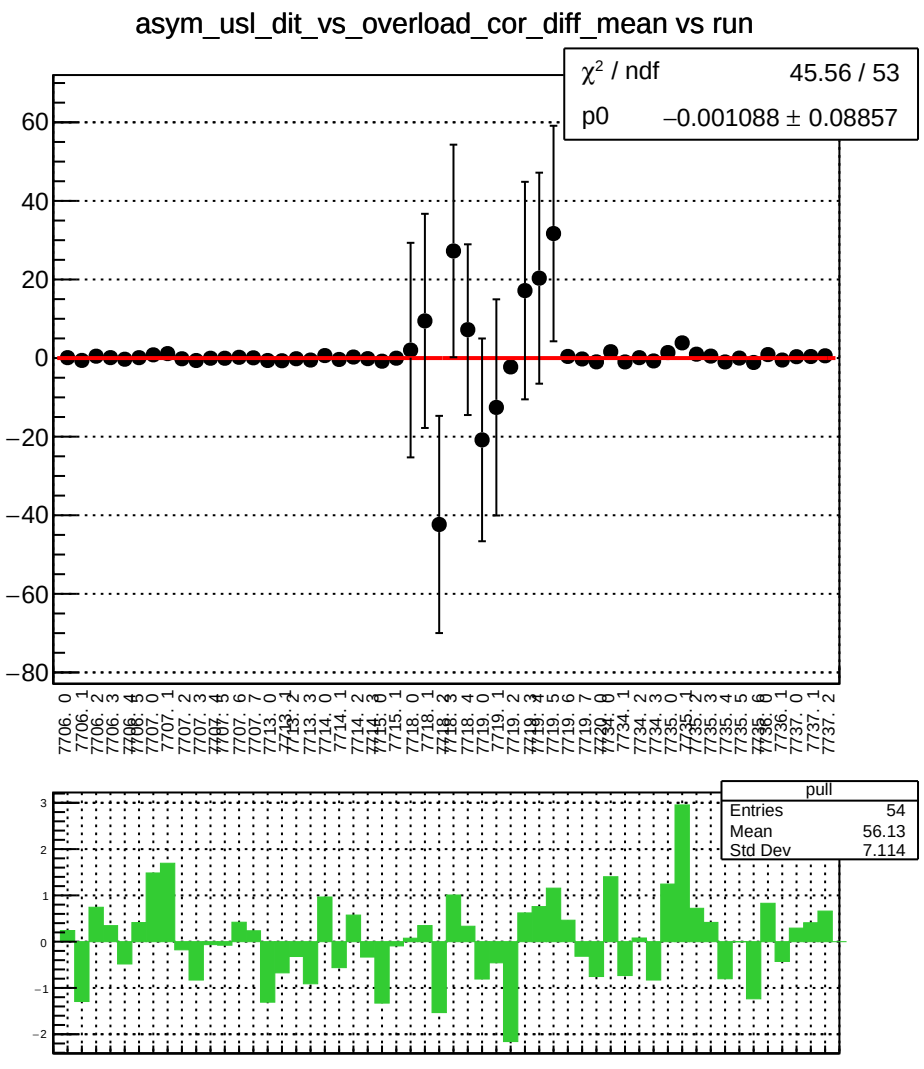

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 49.77 / 53
p0 0.04858 ± 0.05732
pull
Entries 54
Mean 46.48
Std Dev 0

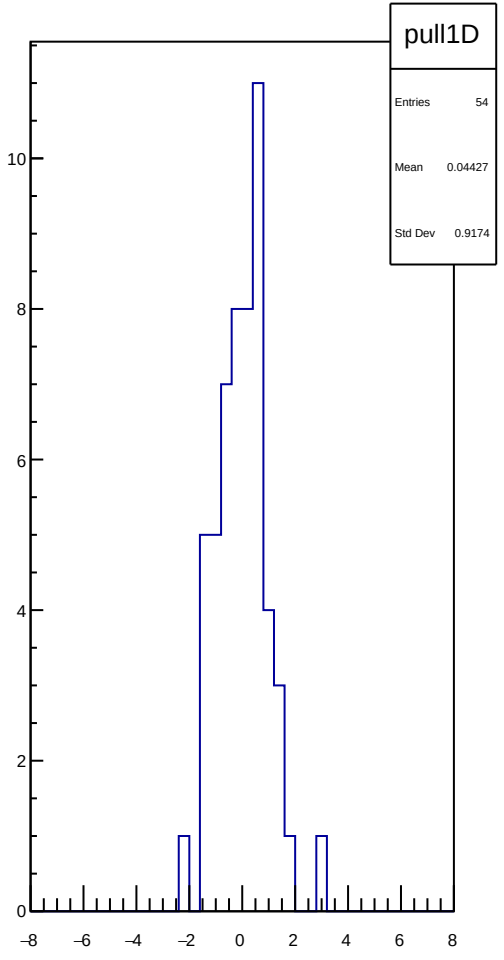

pull1D
Entries 54
Mean −0.04231
Std Dev 0.9591

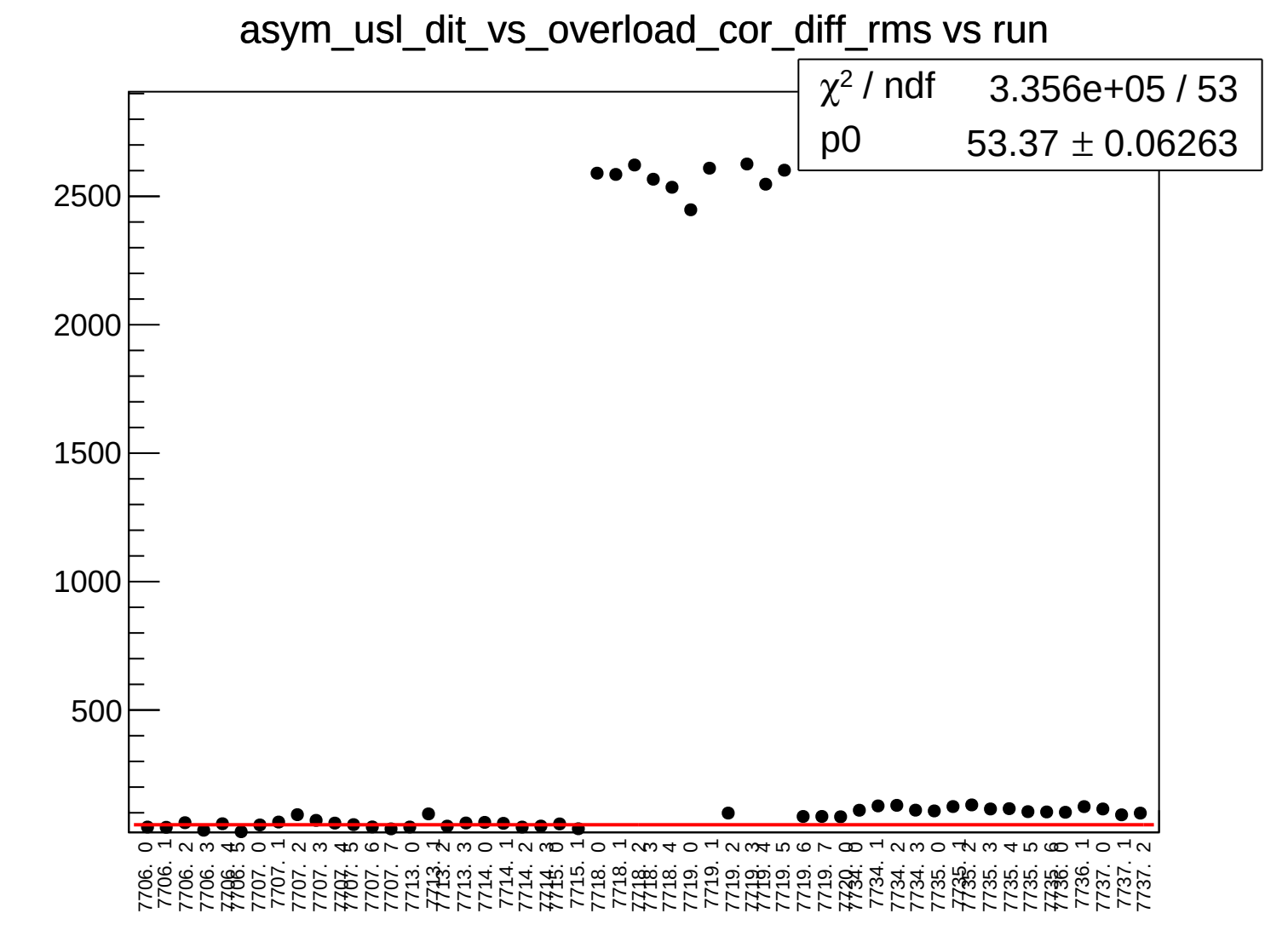

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 3.587e+05 / 53
p0 33.99 ± 0.04053
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

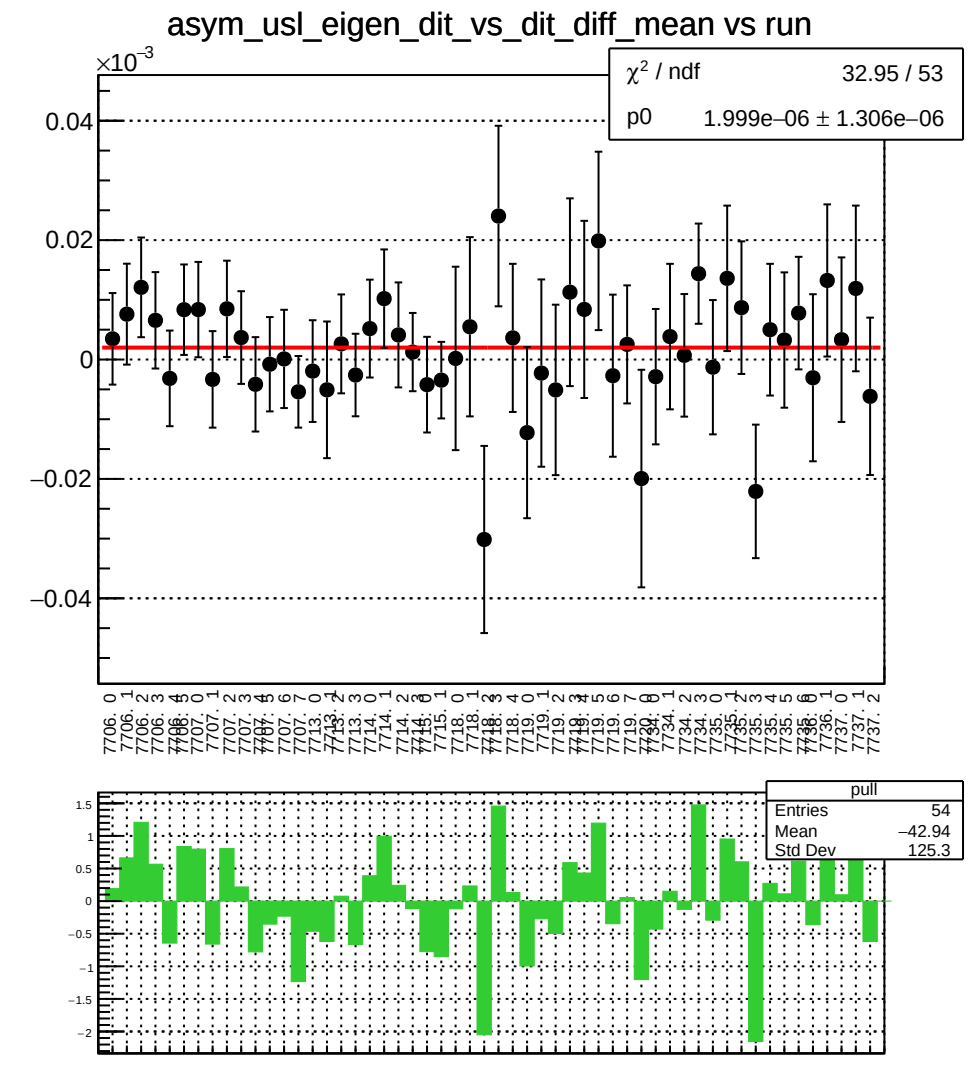

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.77 / 53
p0 0.04858 ± 0.05732
pull
Entries 54
Mean 46.48
Std Dev 0
pull1D
Entries 54
Mean −0.04231
Std Dev 0.9591

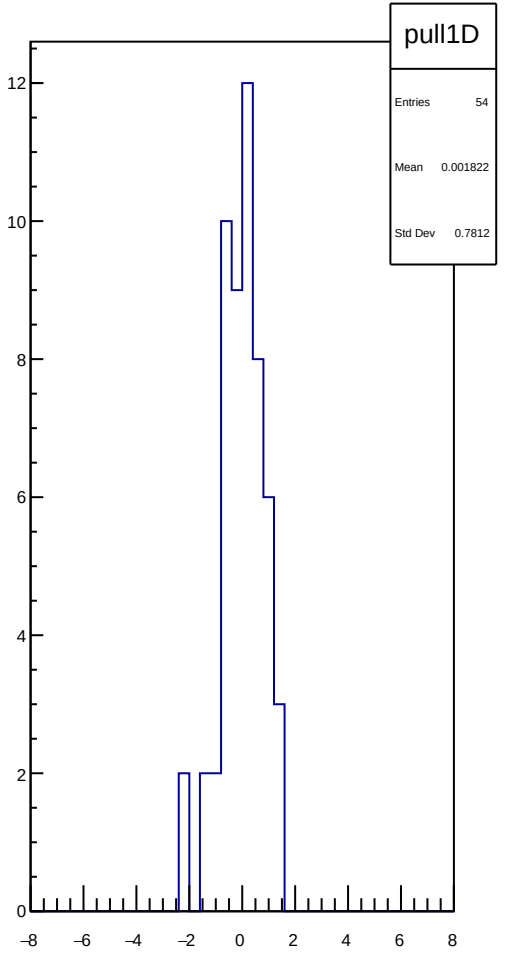

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.587e+05 / 53
p0 33.99 ± 0.04053
140
120
100
80
60
40
20

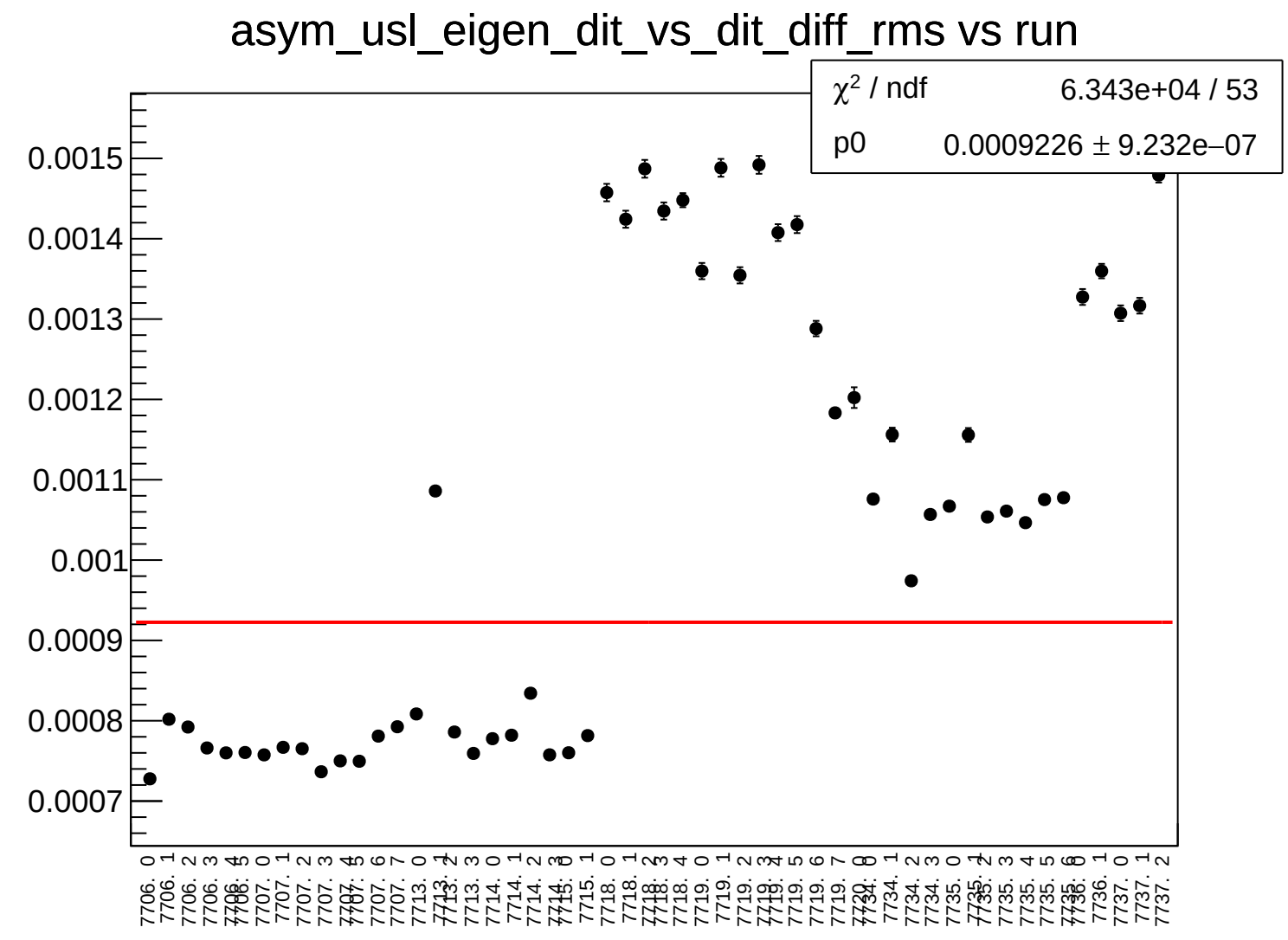

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.56 / 53
p0 −0.001088 ± 0.08857
pull
Entries 54
Mean 56.13
Std Dev 7.114

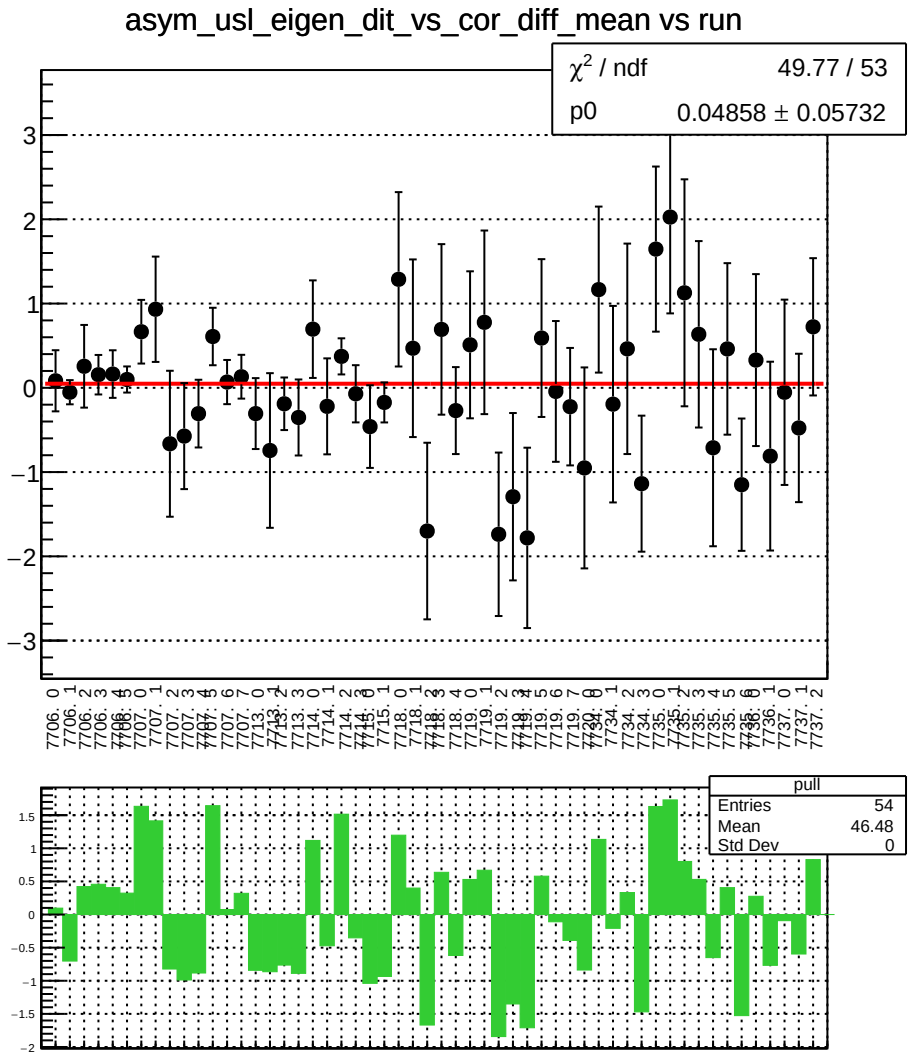

pull1D
Entries 54
Mean 0.04427
Std Dev 0.9174

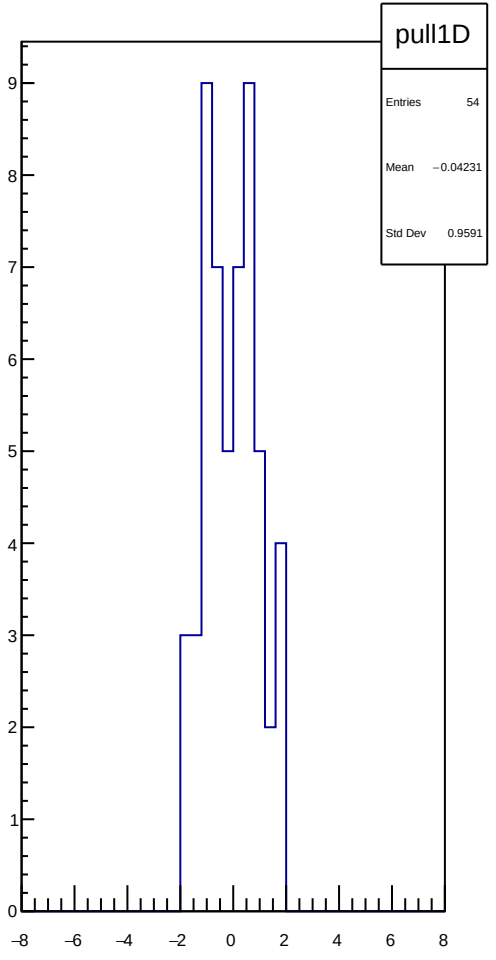

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.356e+05 / 53
p0 53.37 ± 0.06263
2500
2000
1500
1000
500

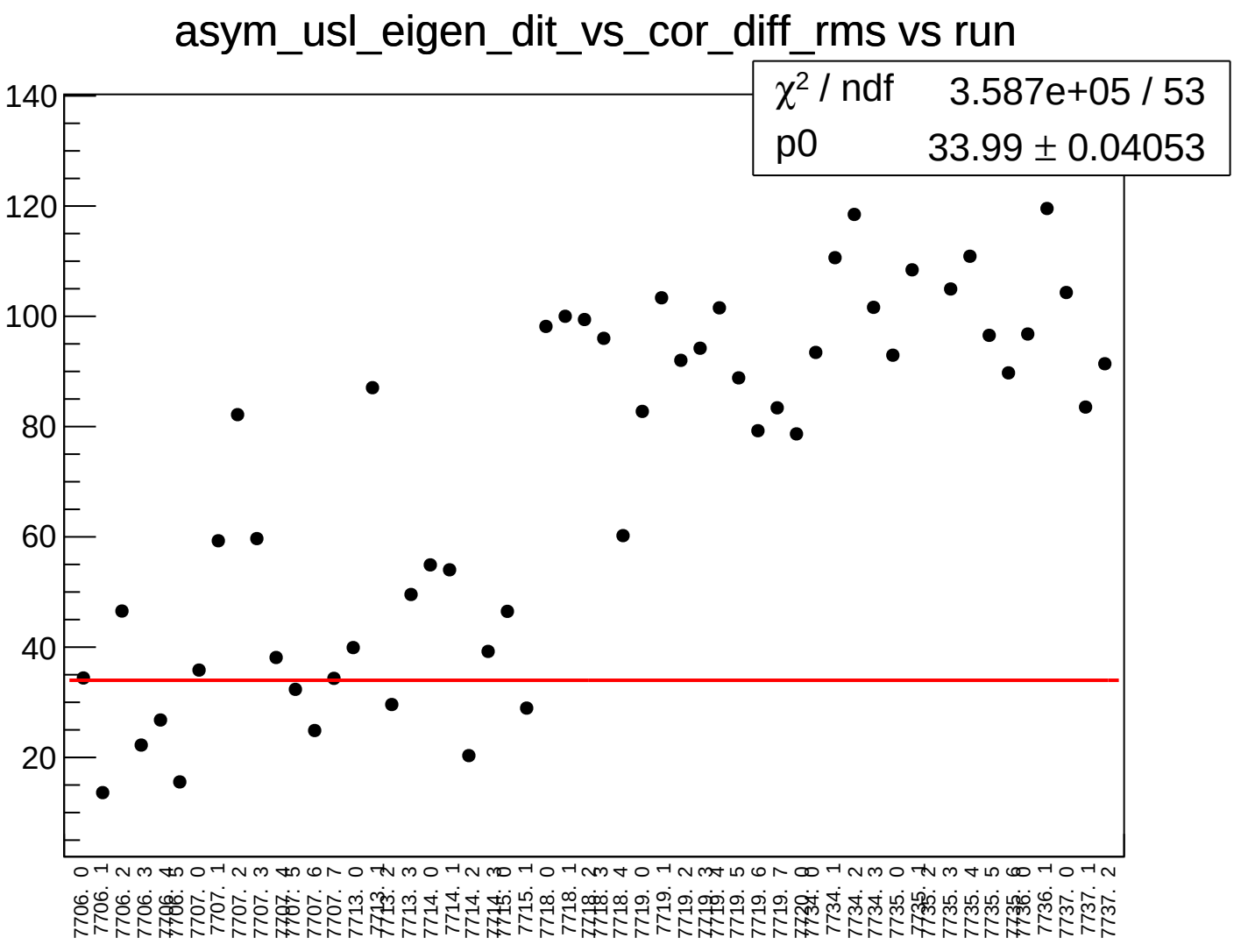

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.95 / 53
p0 1.999e−06 ± 1.306e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 54
Mean −42.94
Std Dev 125.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

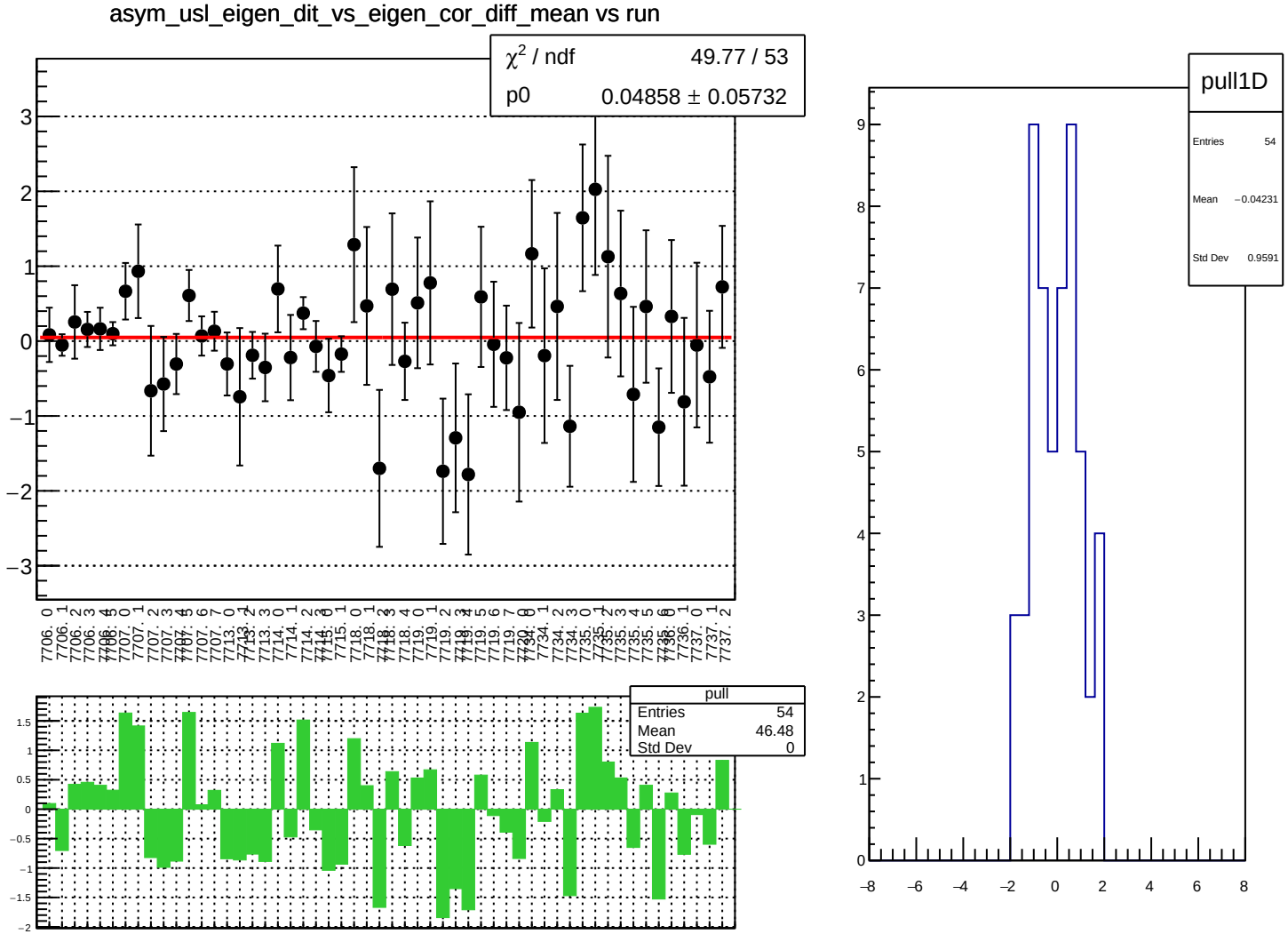

pull1D
Entries 54
Mean 0.001822
Std Dev 0.7812
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

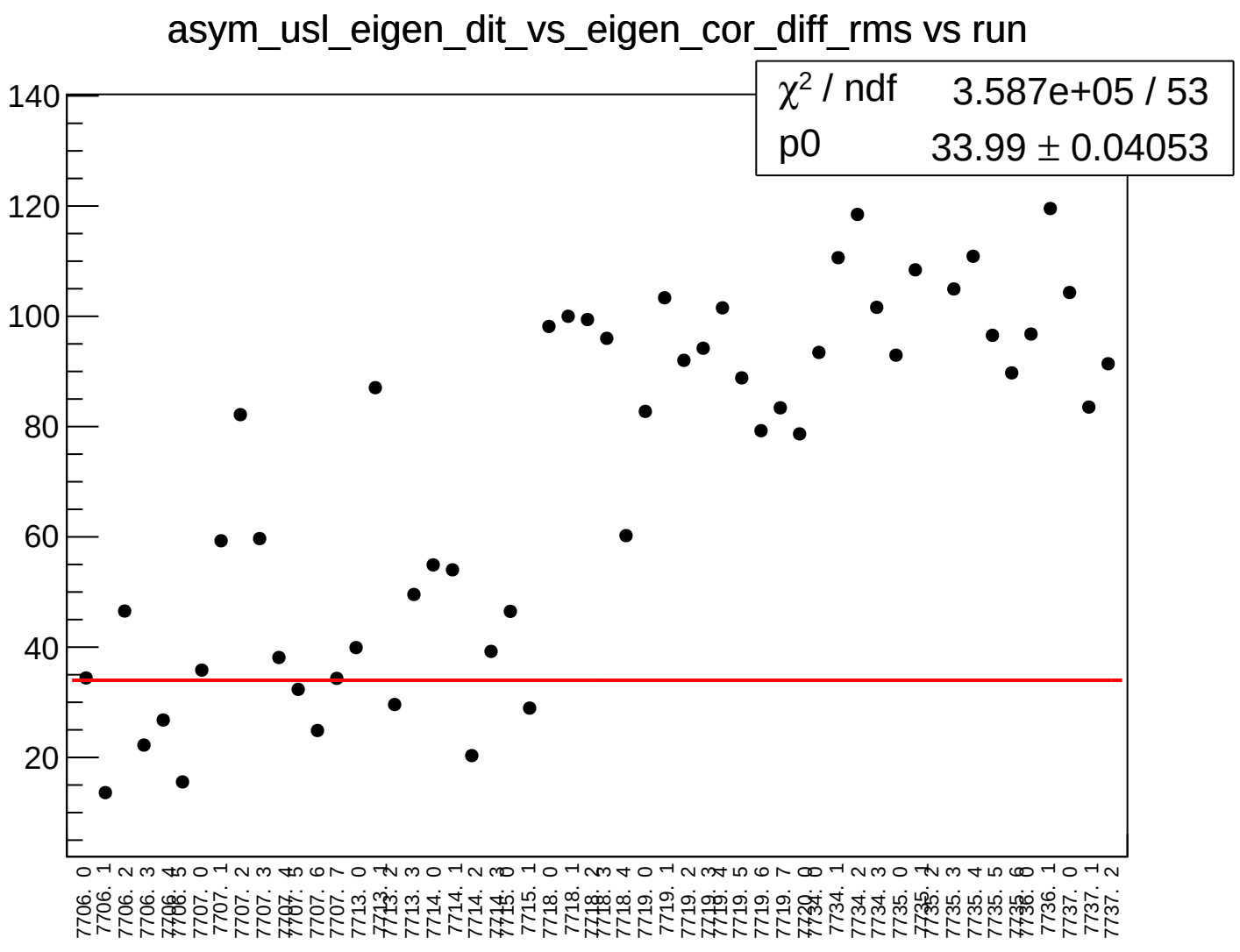

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.343e+04 / 53
p0 0.0009226 ± 9.232e−07
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007

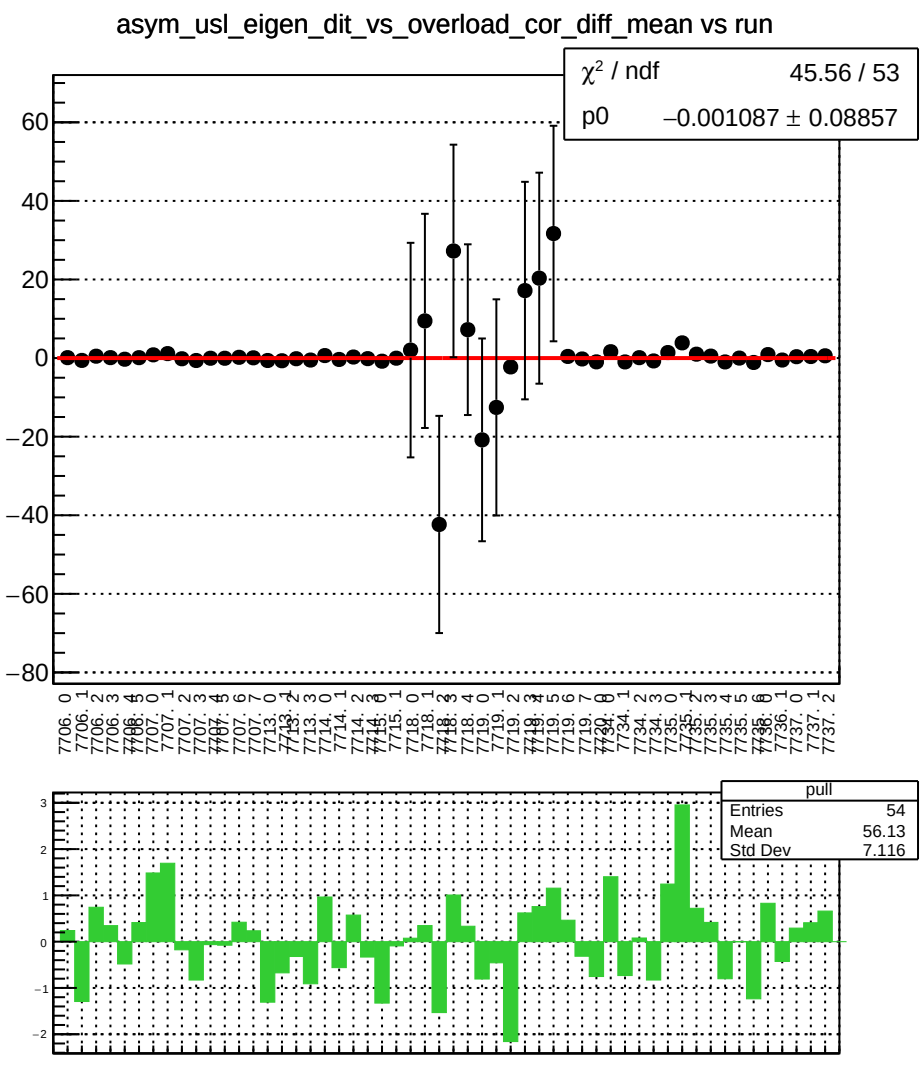

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.77 / 53
p0 0.04858 ± 0.05732
pull
Entries 54
Mean 46.48
Std Dev 0

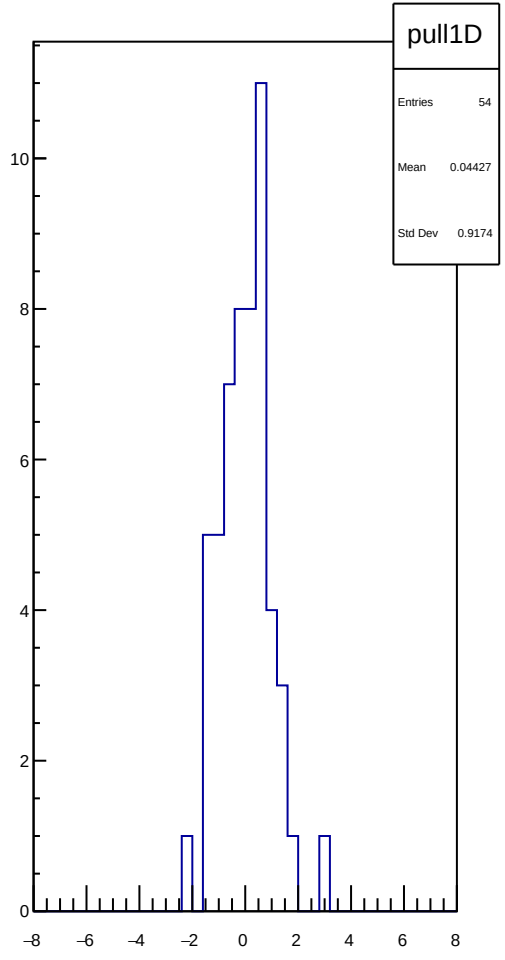

pull1D
Entries 54
Mean −0.04231
Std Dev 0.9591

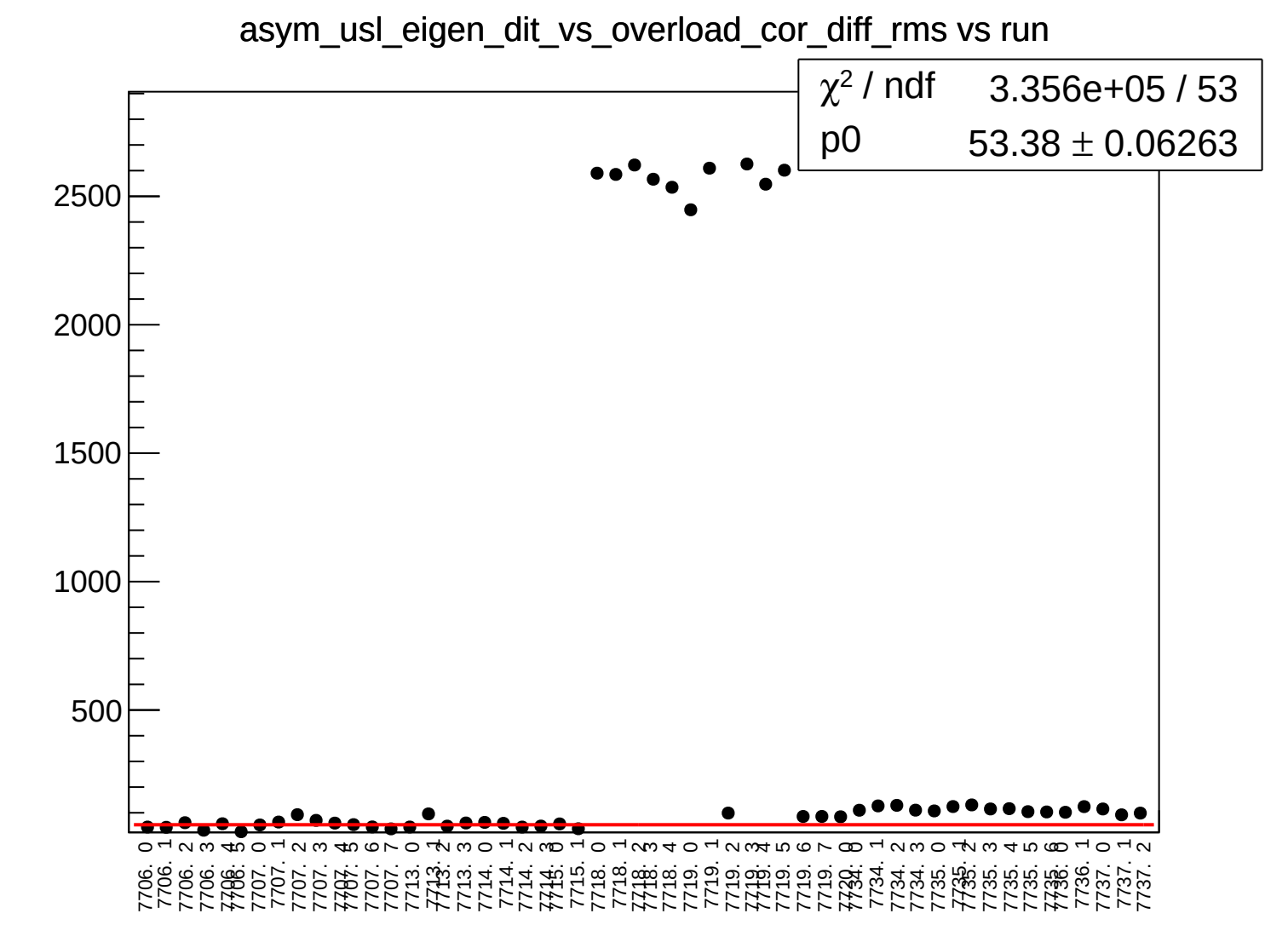

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.587e+05 / 53
p0 33.99 ± 0.04053
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

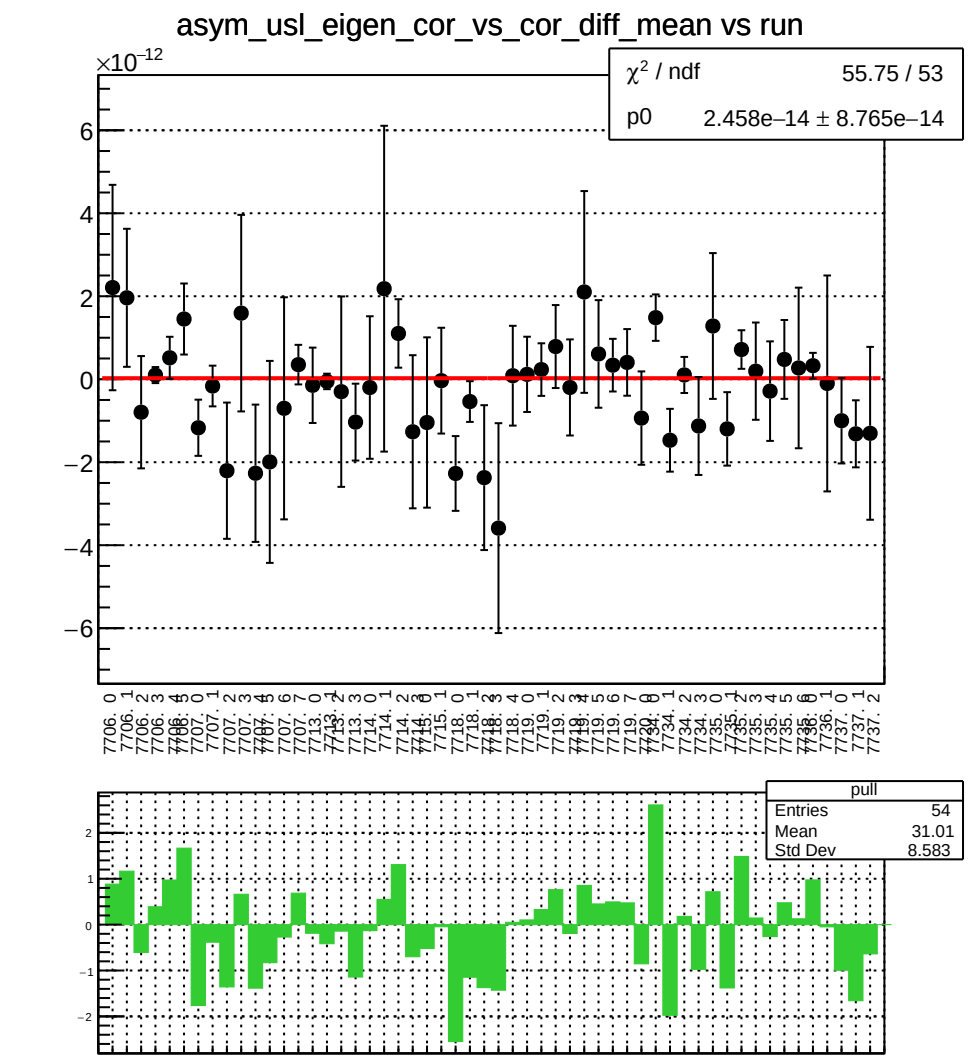

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.77 / 53
p0 0.04858 ± 0.05732
pull
Entries 54
Mean 46.48
Std Dev 0
pull1D
Entries 54
Mean −0.04231
Std Dev 0.9591

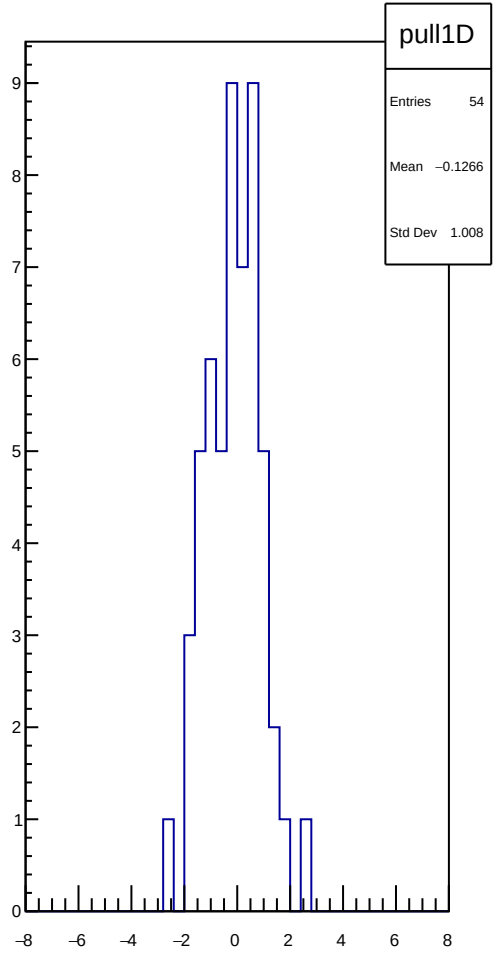

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.587e+05 / 53
p0 33.99 ± 0.04053
140
120
100
80
60
40
20

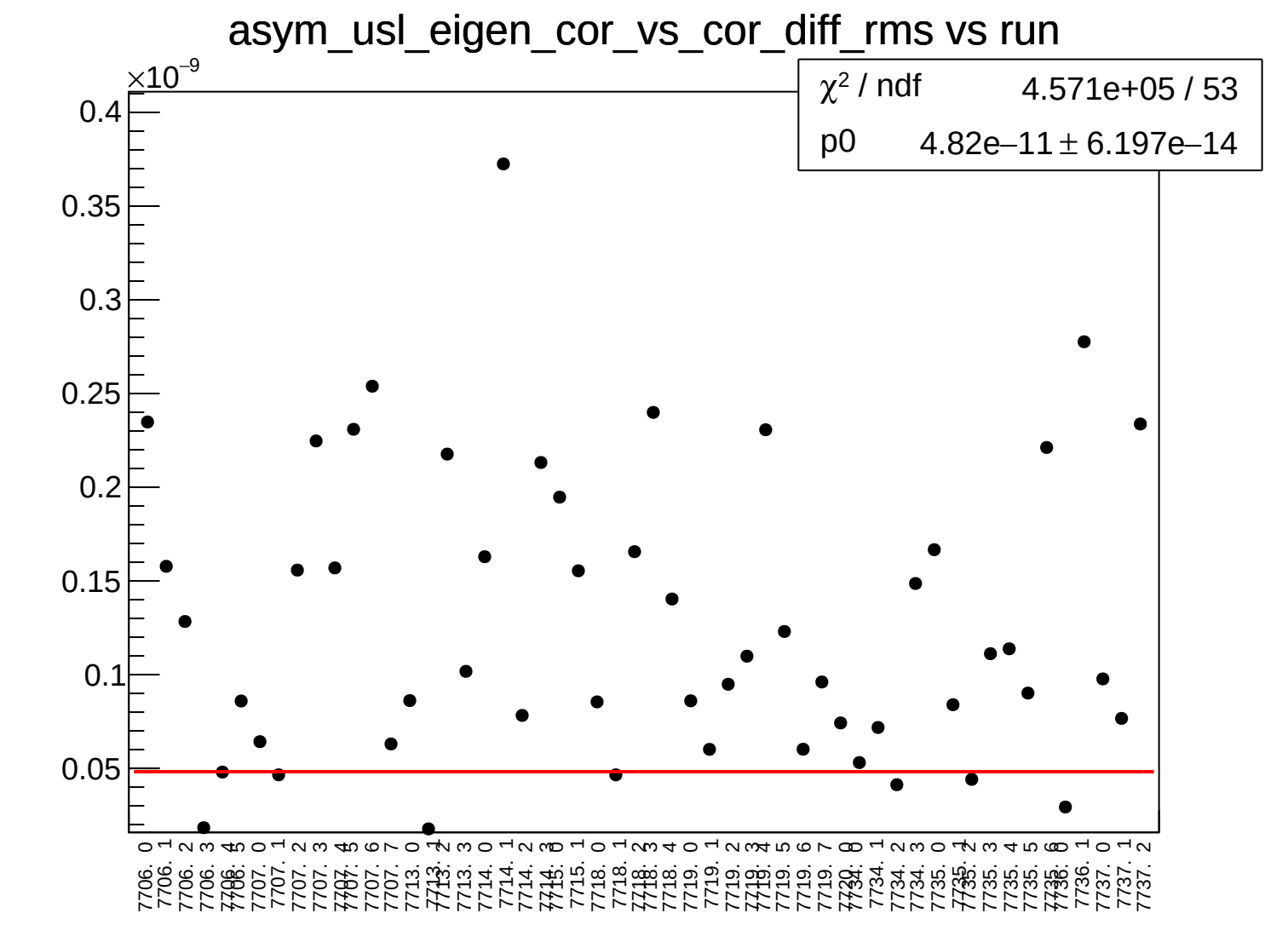

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.56 / 53
p0 −0.001087 ± 0.08857
pull
Entries 54
Mean 56.13
Std Dev 7.116

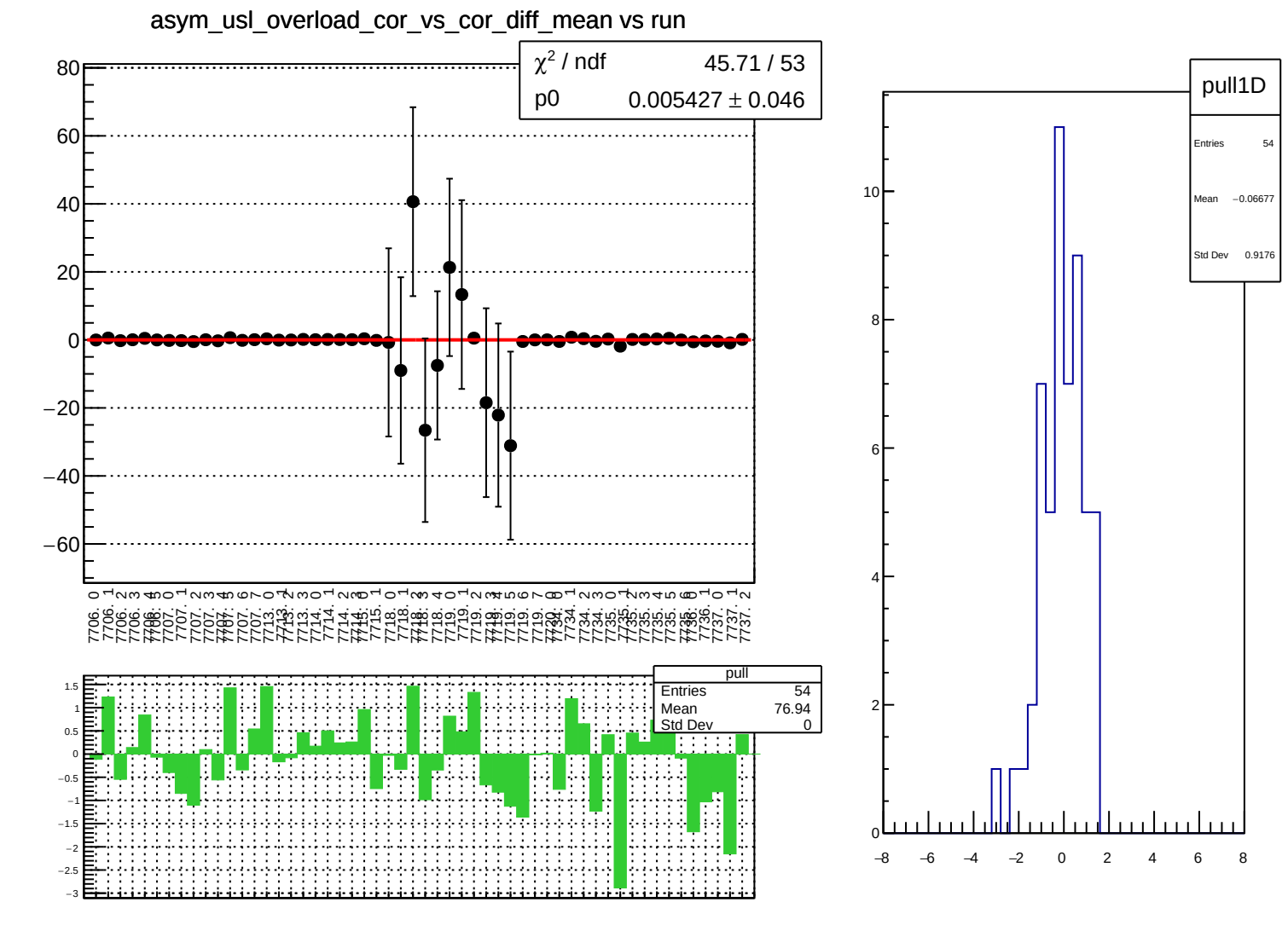

pull1D
Entries 54
Mean 0.04427
Std Dev 0.9174

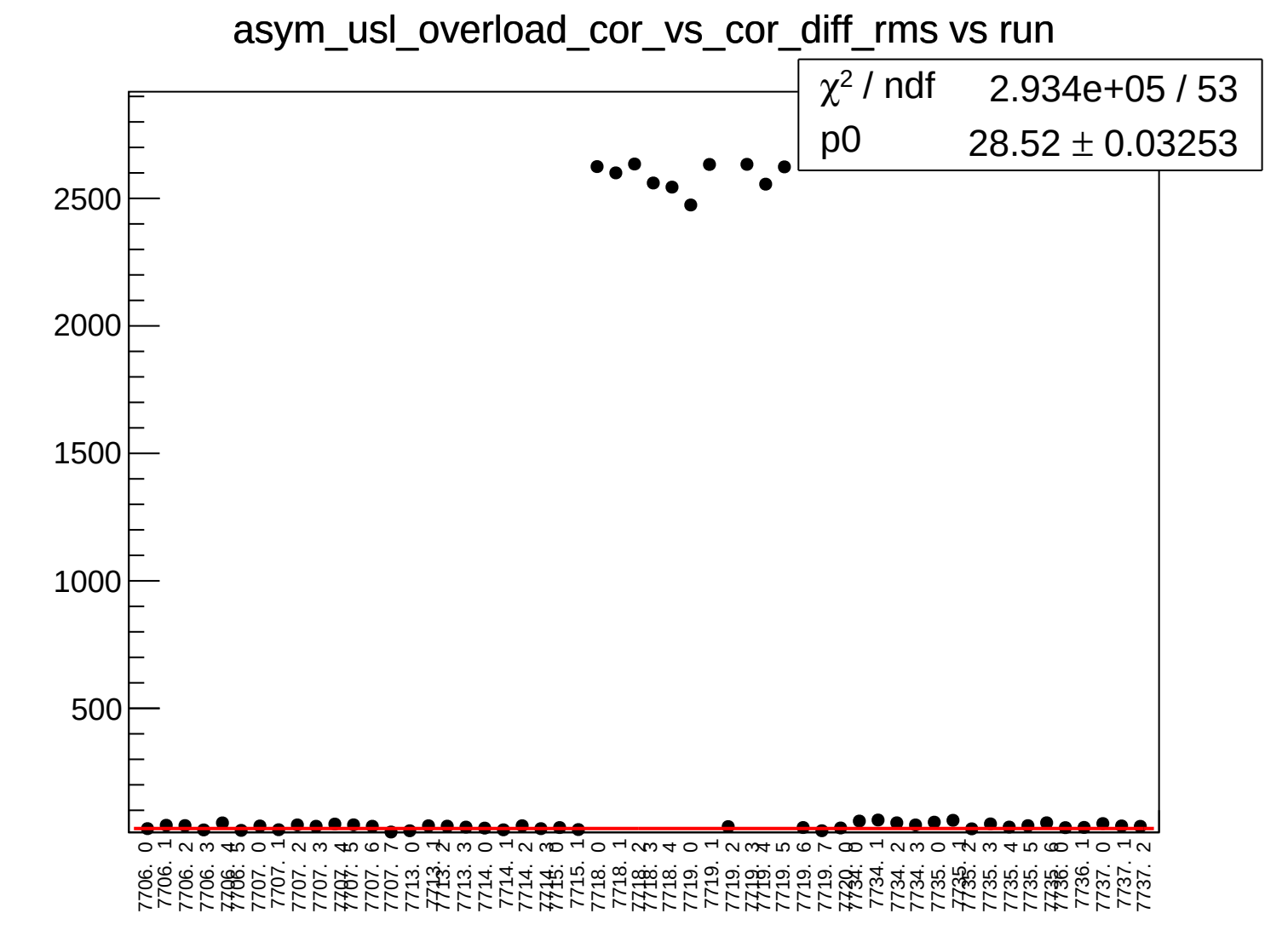

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.356e+05 / 53
p0 53.38 ± 0.06263
2500
2000
1500
1000
500

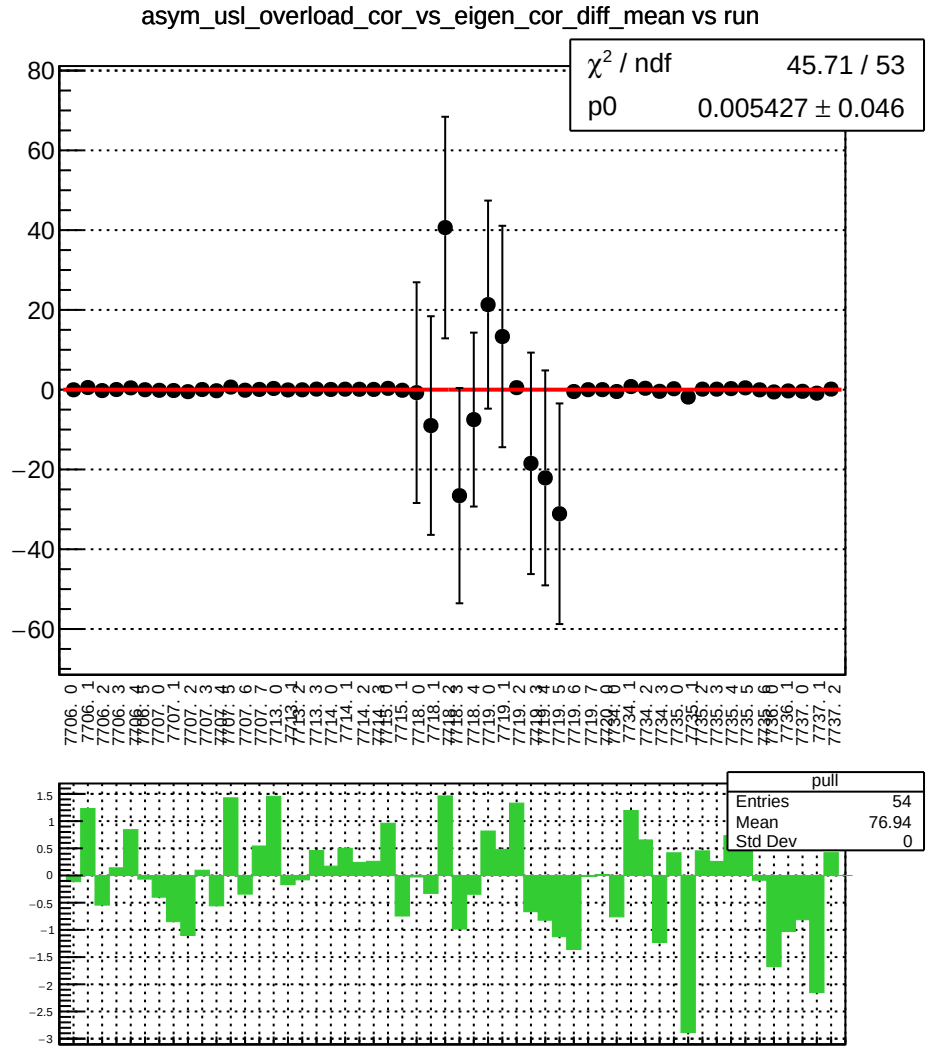

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.75 / 53
p0 2.458e−14 ± 8.765e−14
pull
Entries 54
Mean 31.01
Std Dev 8.583

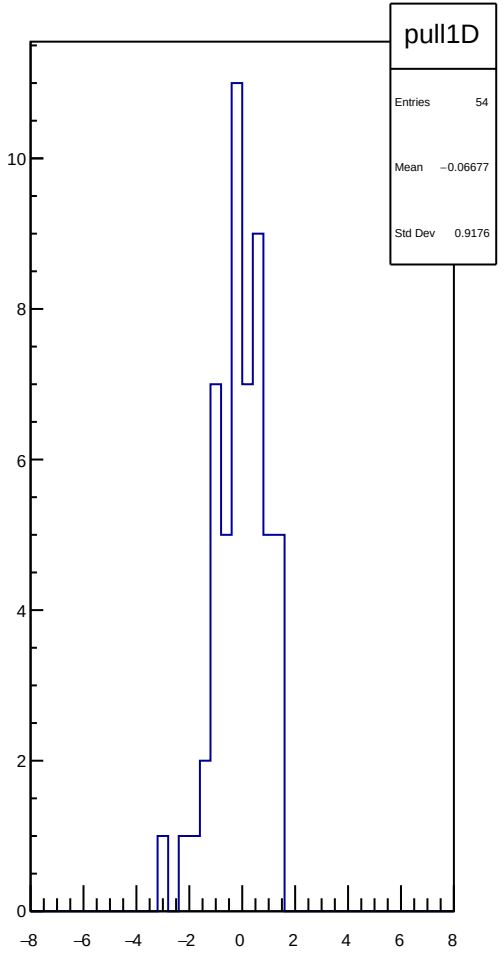

pull1D
Entries 54
Mean −0.1266
Std Dev 1.008

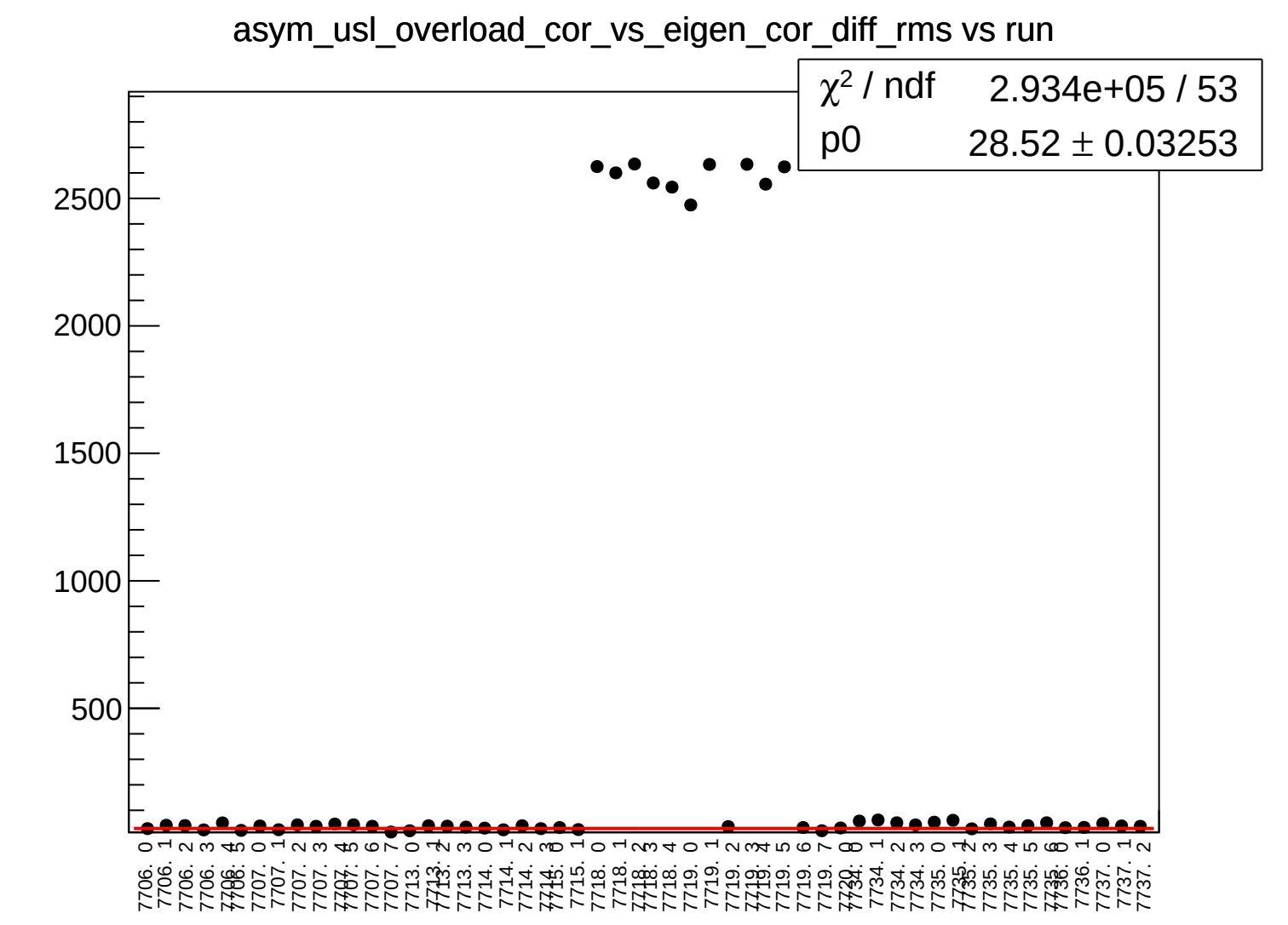

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.571e+05 / 53
p0 4.82e−11 ± 6.197e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

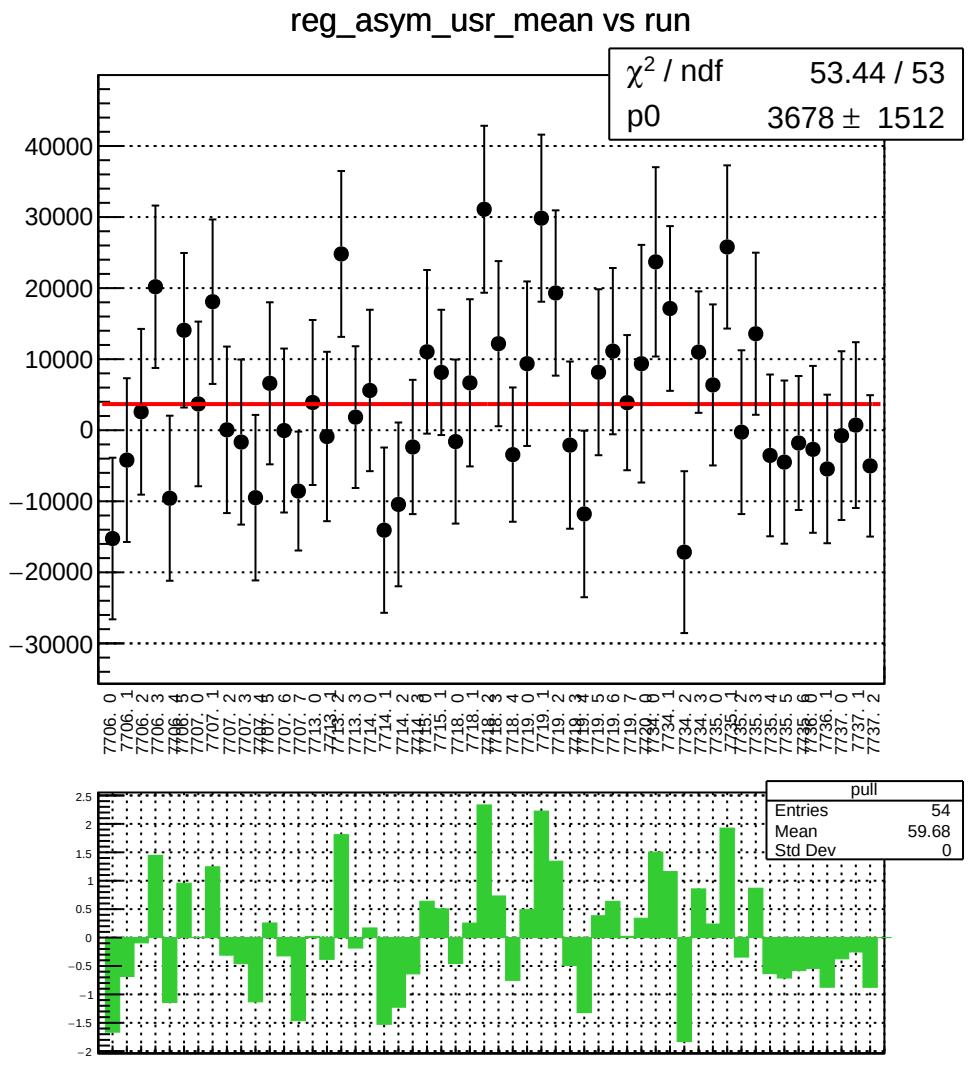

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 45.71 / 53
p0 0.005427 ± 0.046
pull
Entries 54
Mean 76.94
Std Dev 0
pull1D
Entries 54
Mean −0.06677
Std Dev 0.9176

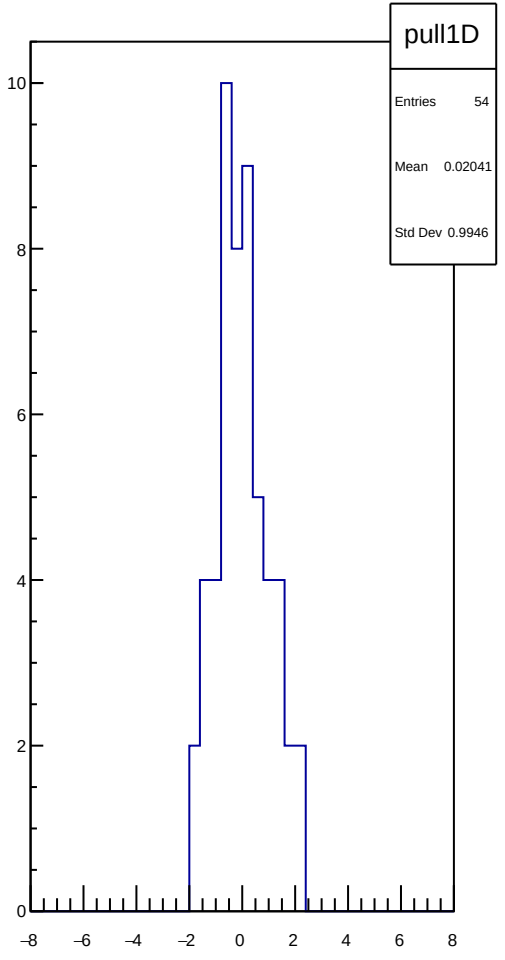

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.934e+05 / 53
p0 28.52 ± 0.03253
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

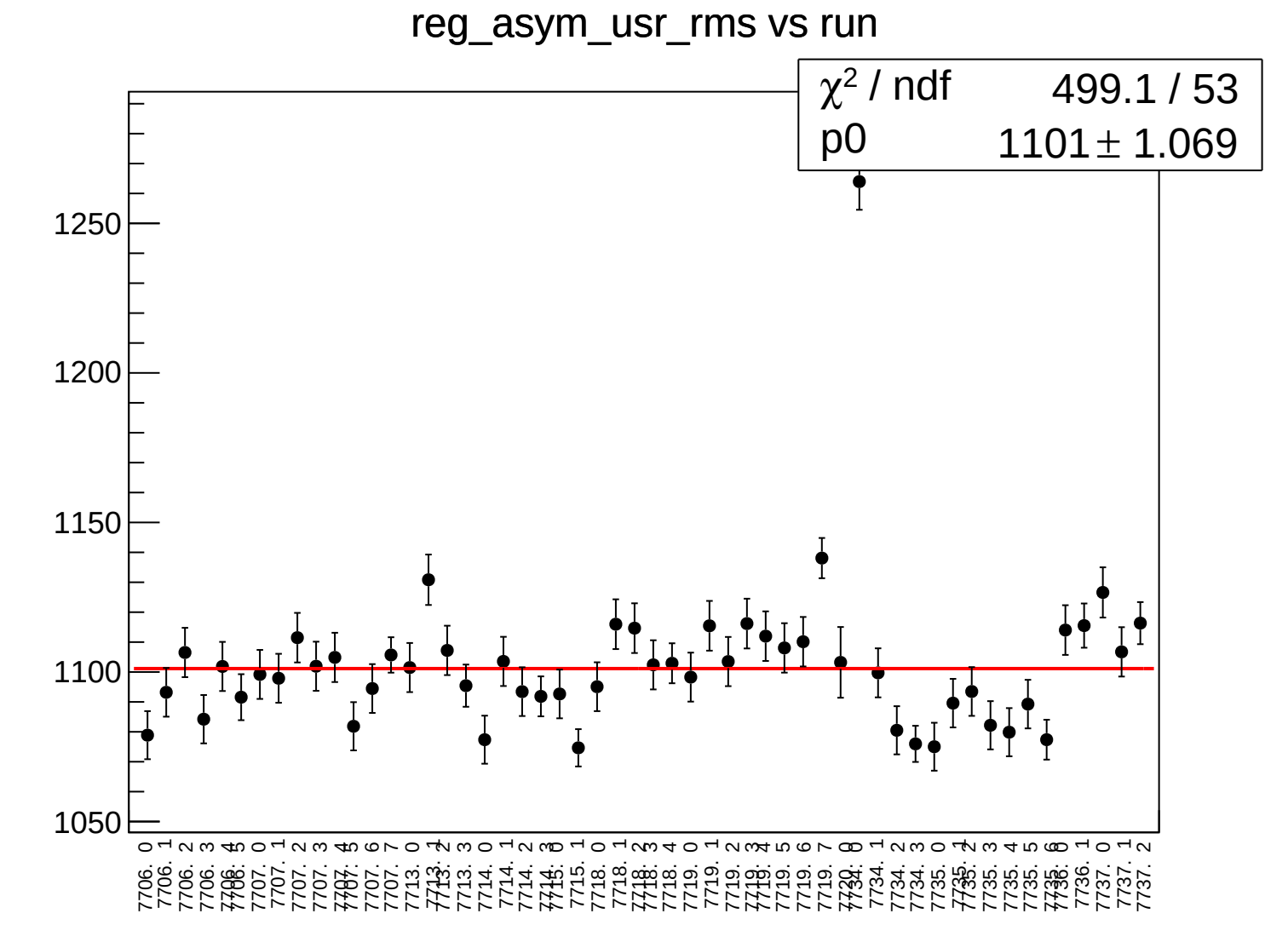

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.71 / 53
p0 0.005427 ± 0.046
pull
Entries 54
Mean 76.94
Std Dev 0

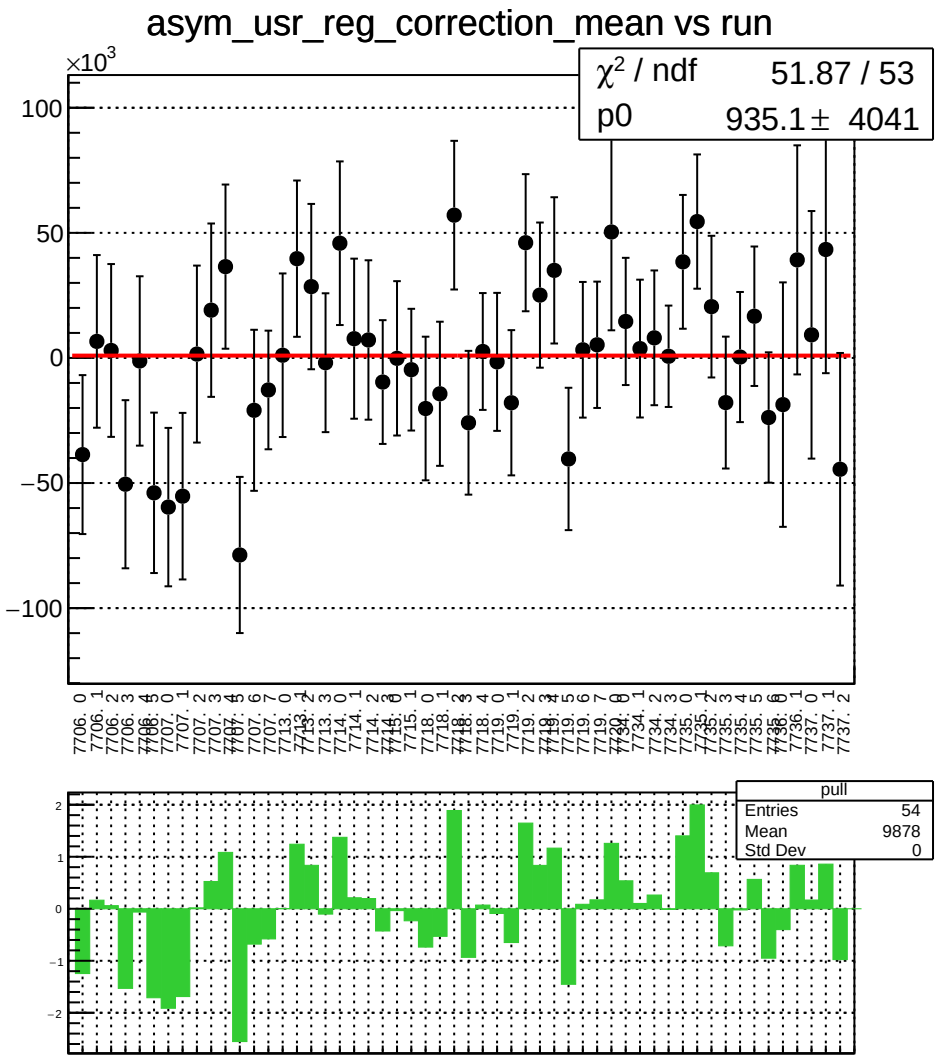

pull1D
Entries 54
Mean −0.06677
Std Dev 0.9176

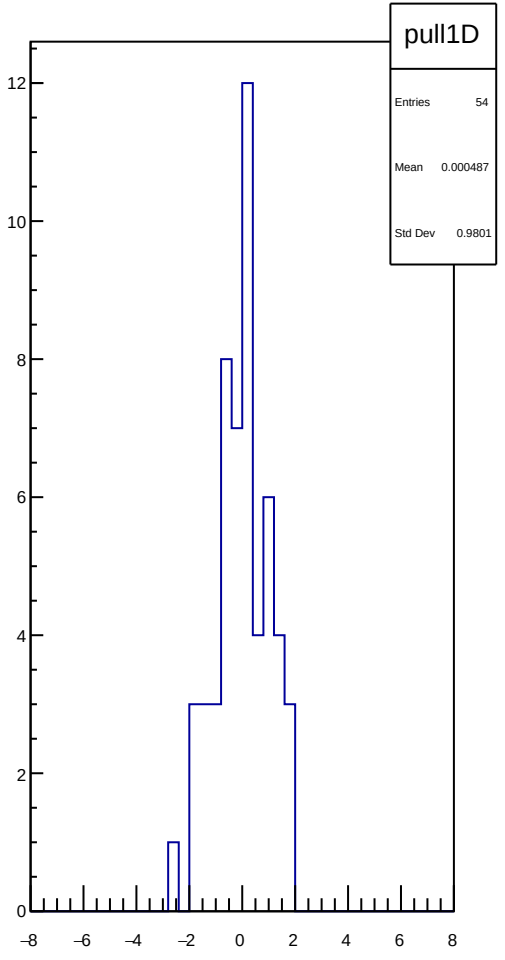

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.934e+05 / 53
p0 28.52 ± 0.03253
2500
2000
1500
1000
500

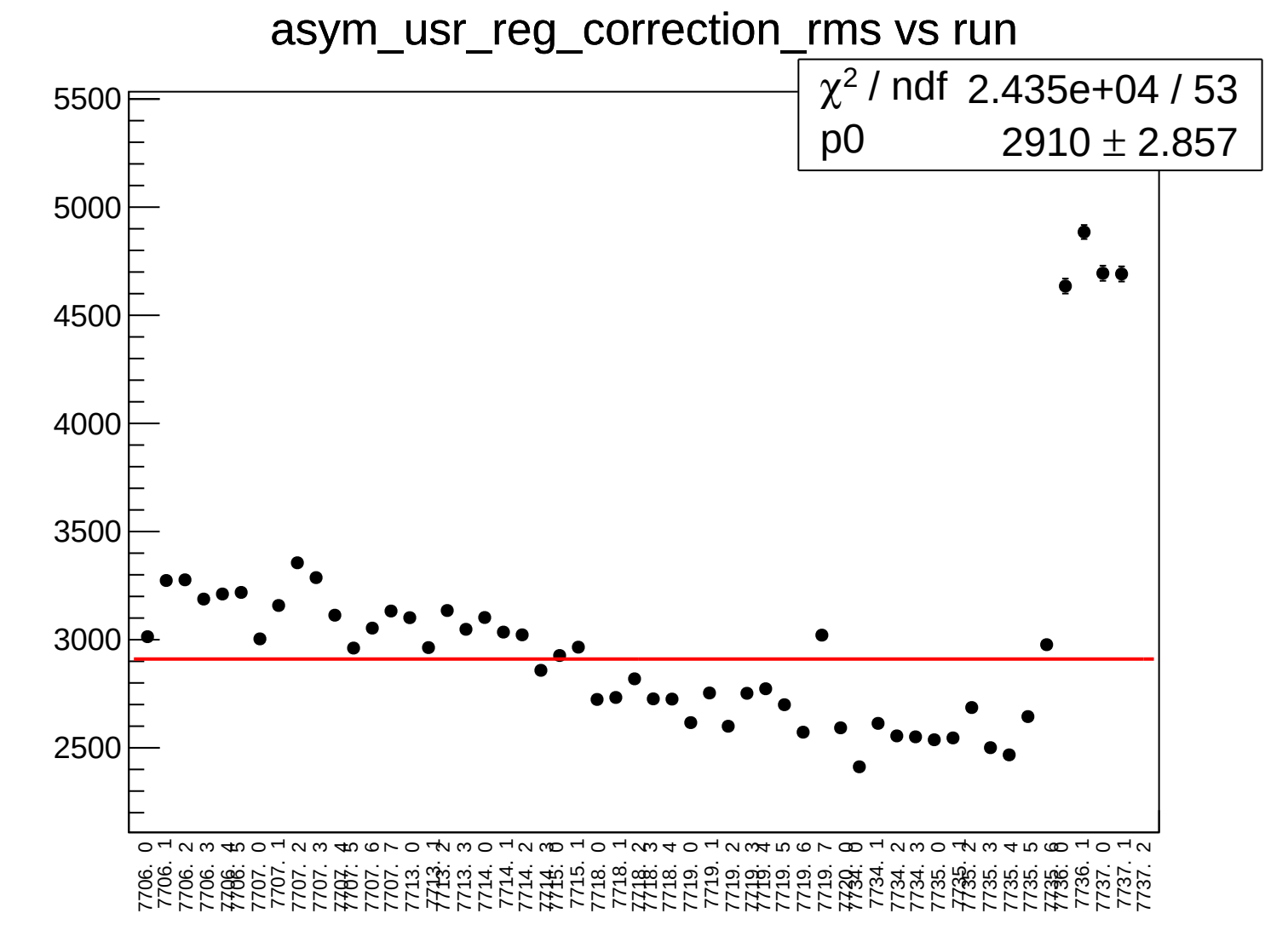

reg_asym_usr_mean vs run
χ² / ndf 53.44 / 53
p0 3678 ± 1512
pull
Entries 54
Mean 59.68
Std Dev 0

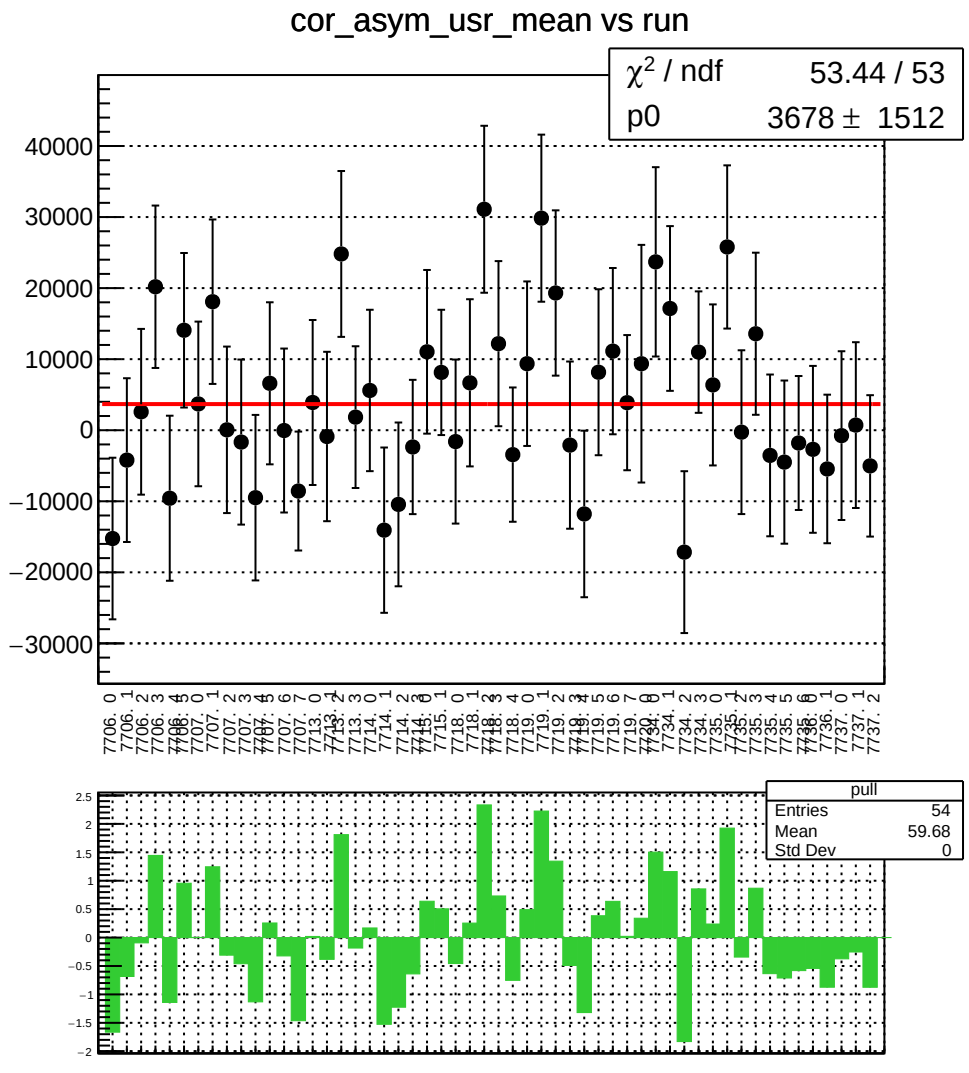

pull1D
Entries 54
Mean 0.02041
Std Dev 0.9946

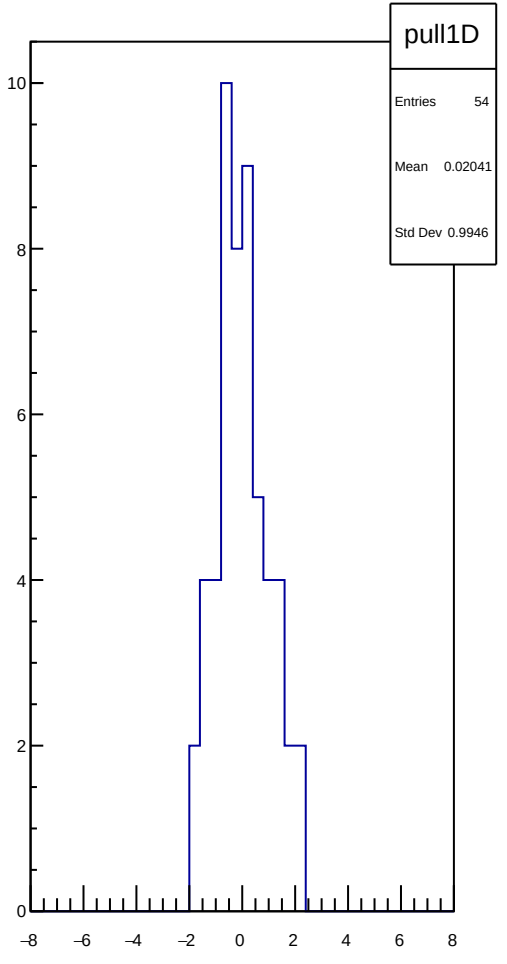

reg_asym_usr_rms vs run
χ² / ndf 499.1 / 53
p0 1101 ± 1.069
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

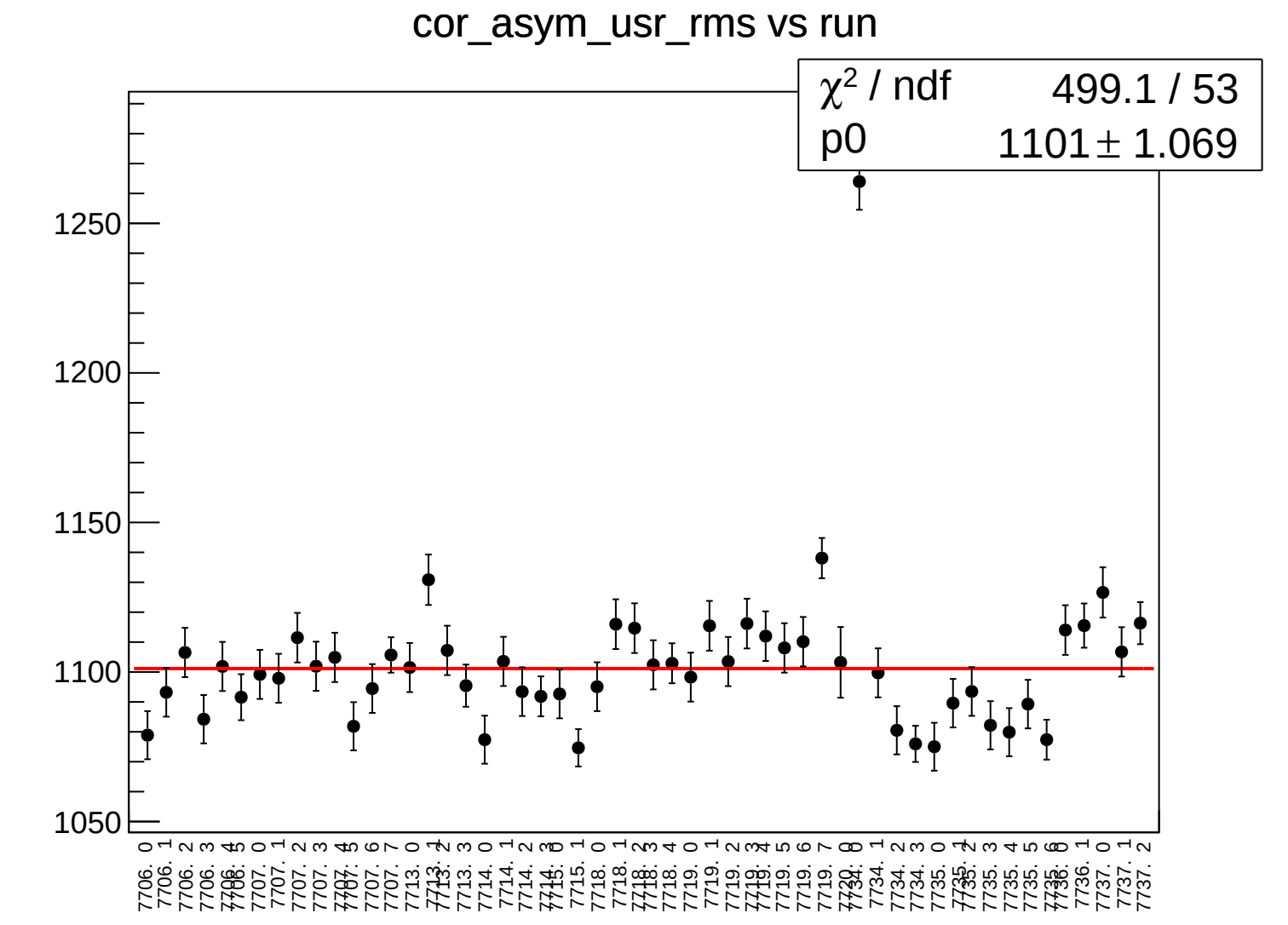

asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 51.87 / 53
p0 935.1 ± 4041
100
50
0
−50
−100
pull
Entries 54
Mean 9878
Std Dev 0
2
1
0
−1
−2

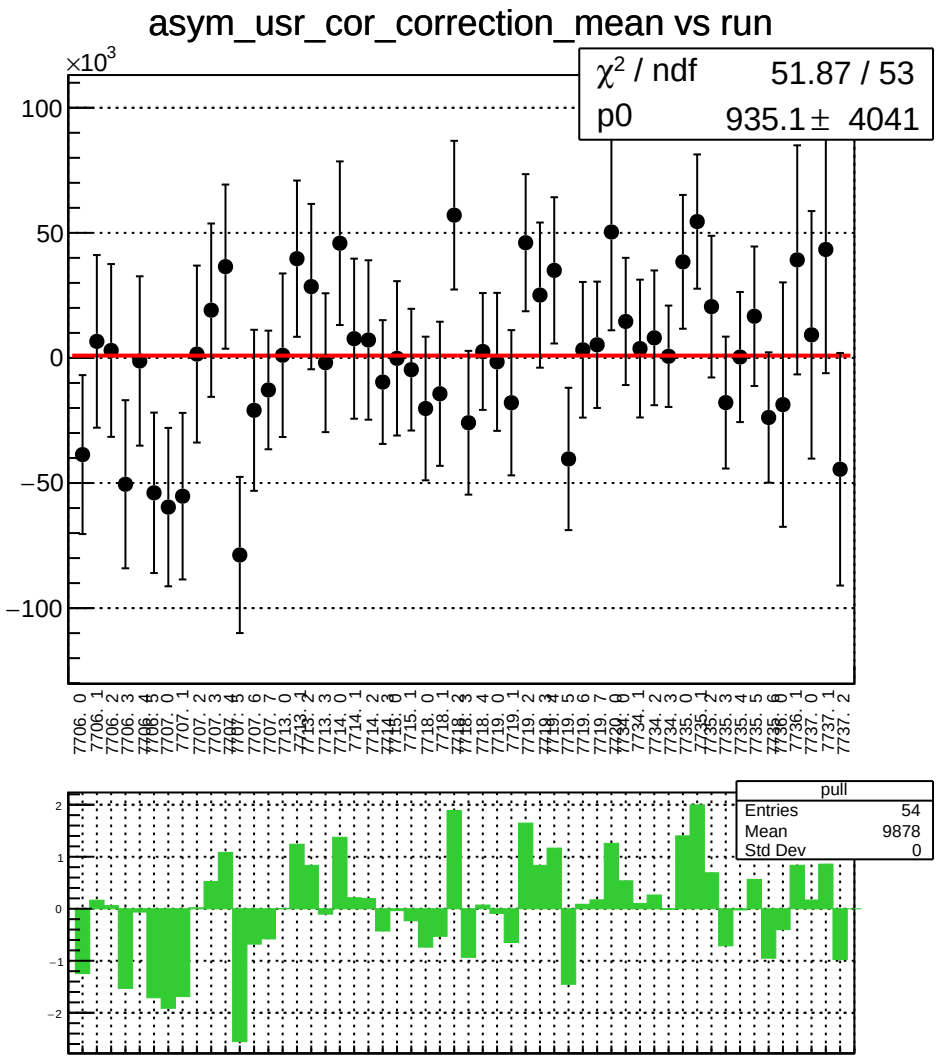

pull1D
Entries 54
Mean 0.000487
Std Dev 0.9801
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

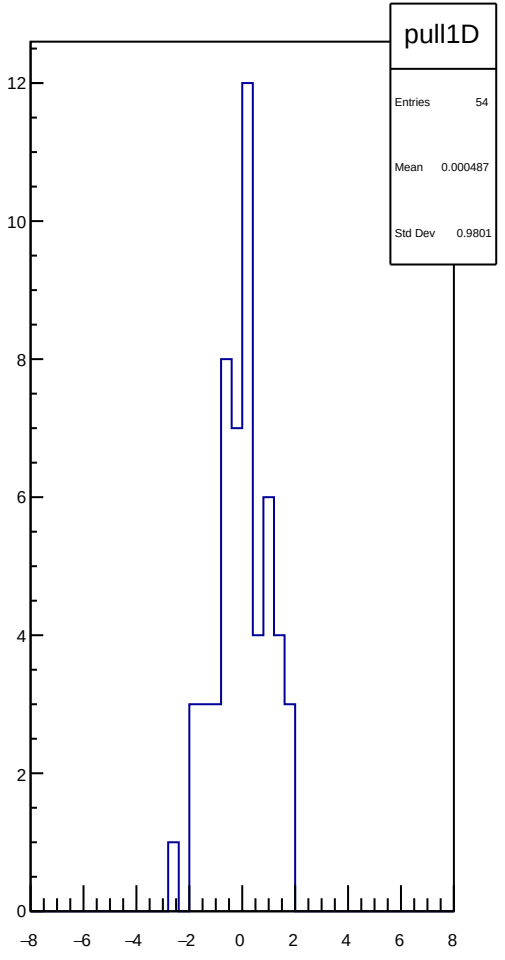

asym_usr_reg_correction_rms vs run
χ² / ndf 2.435e+04 / 53
p0 2910 ± 2.857
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

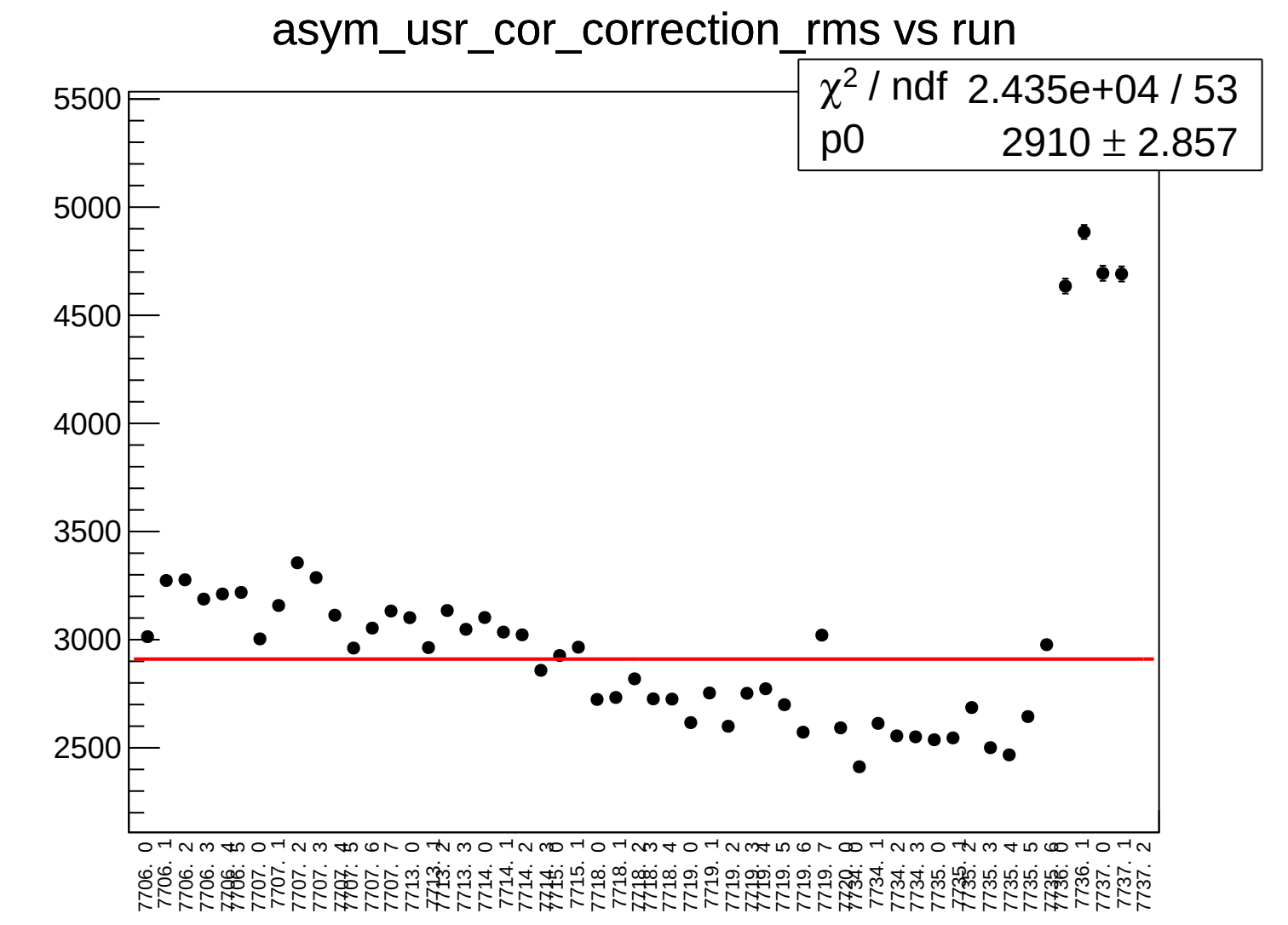

cor_asym_usr_mean vs run
χ² / ndf 53.44 / 53
p0 3678 ± 1512
pull
Entries 54
Mean 59.68
Std Dev 0

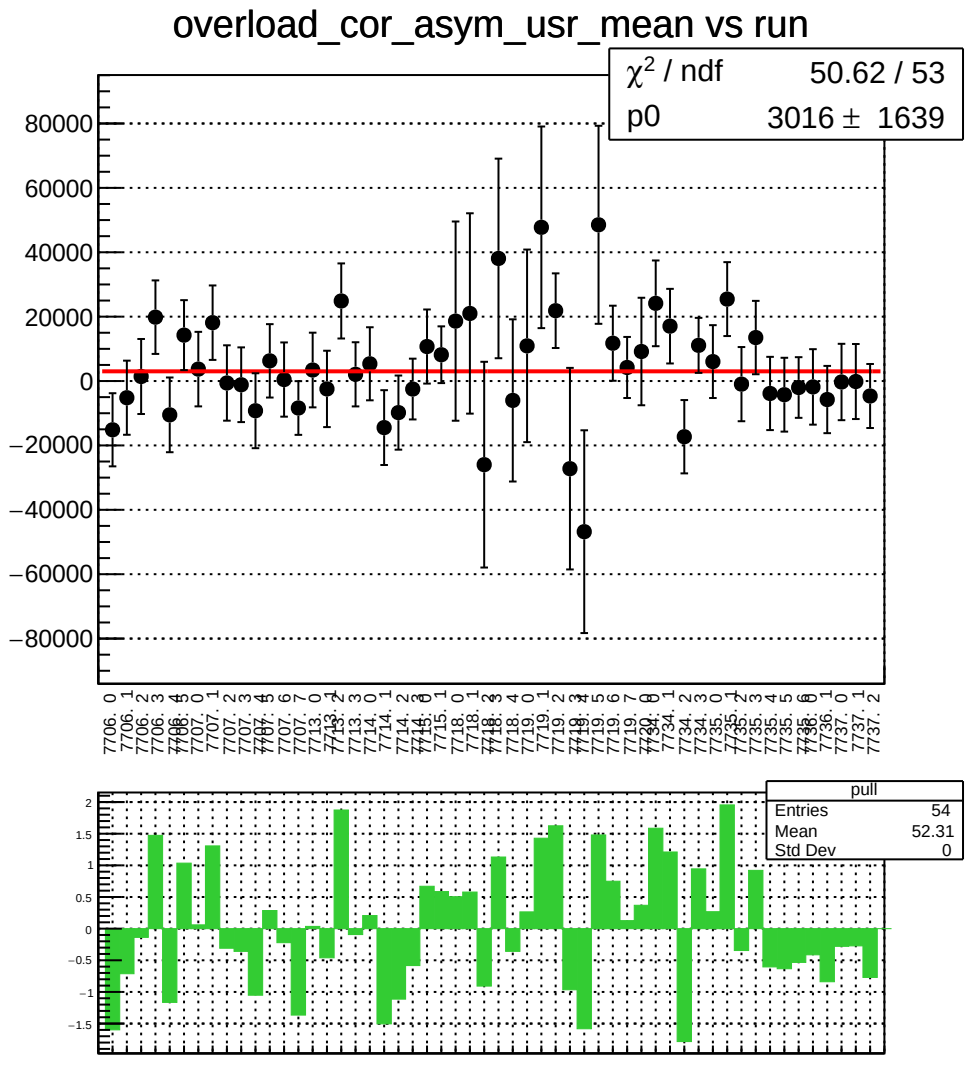

pull1D
Entries 54
Mean 0.02041
Std Dev 0.9946

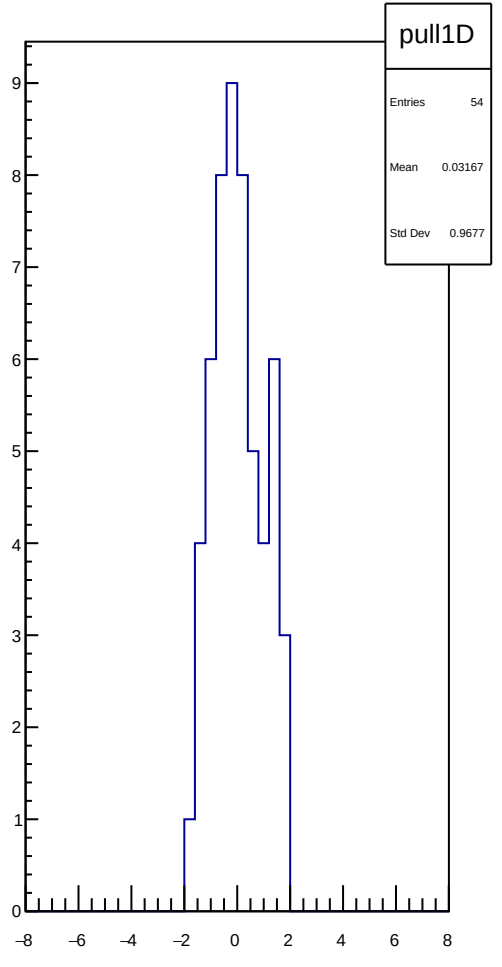

cor_asym_usr_rms vs run
χ² / ndf 499.1 / 53
p0 1101 ± 1.069
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

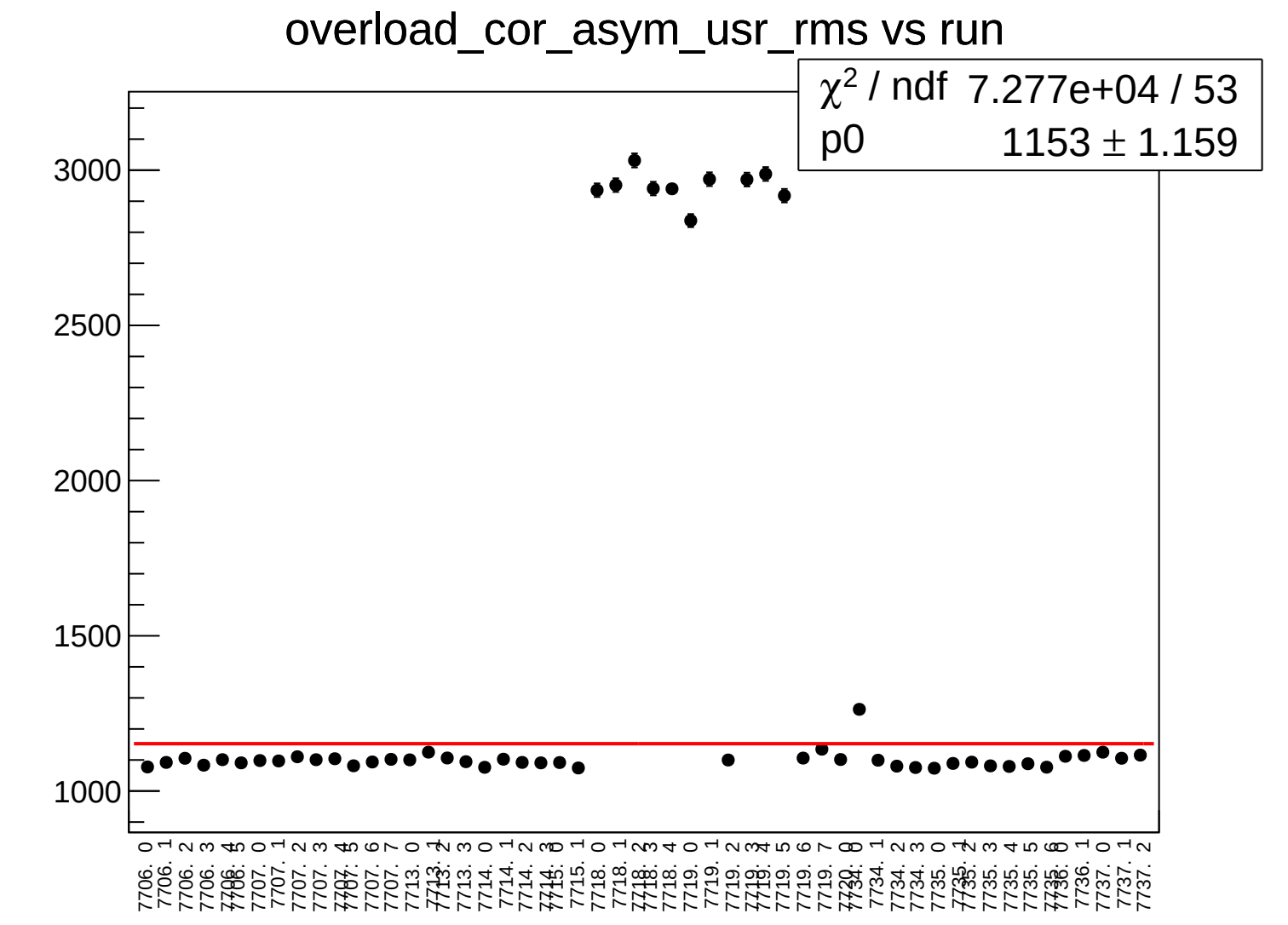

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 51.87 / 53
p0 935.1 ± 4041
100
50
0
−50
−100
pull
Entries 54
Mean 9878
Std Dev 0
2
1
0
−1
−2

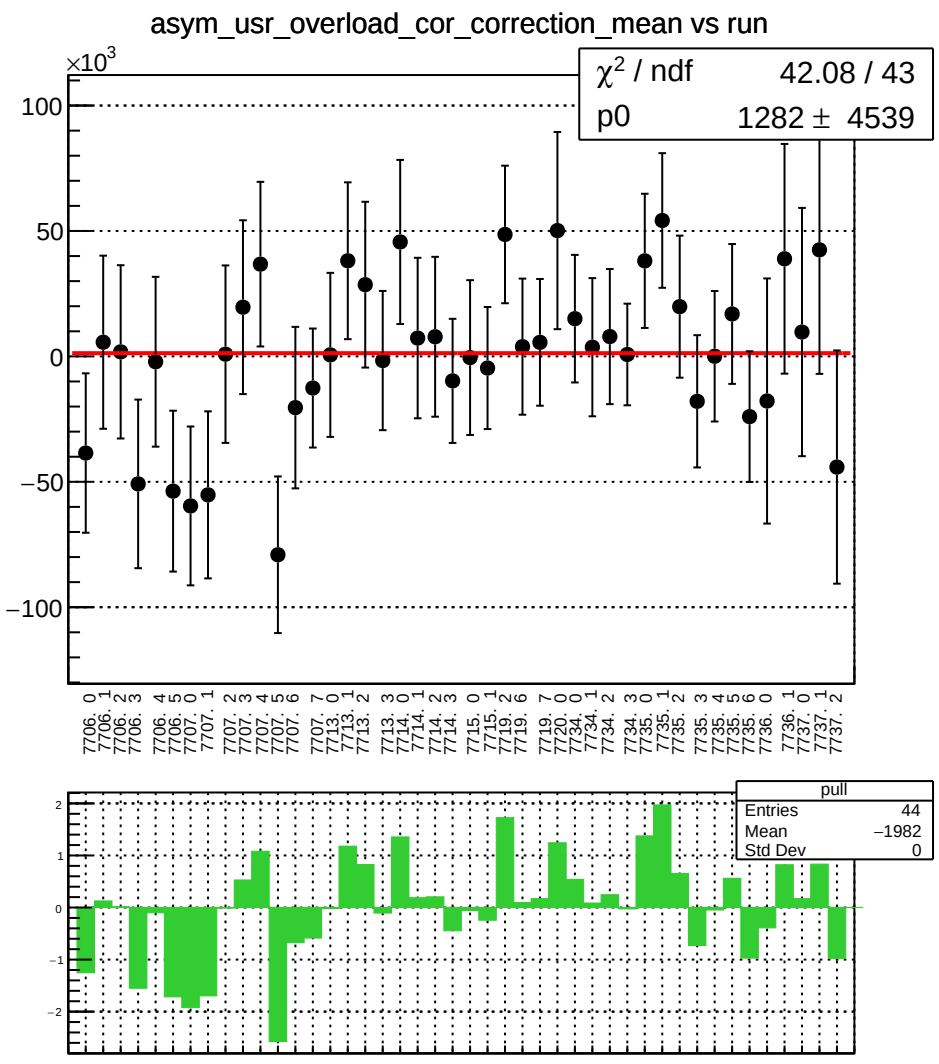

pull1D
Entries 54
Mean 0.000487
Std Dev 0.9801
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

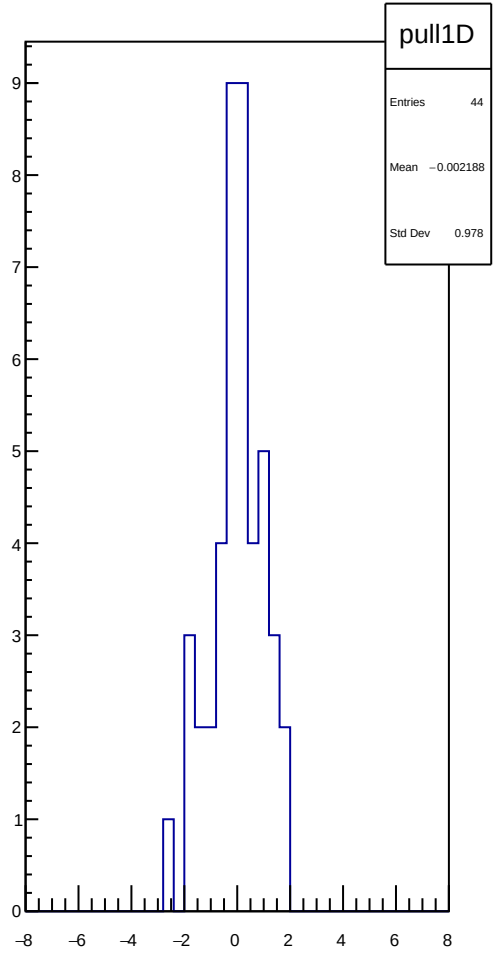

asym_usr_cor_correction_rms vs run
χ² / ndf 2.435e+04 / 53
p0 2910 ± 2.857
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

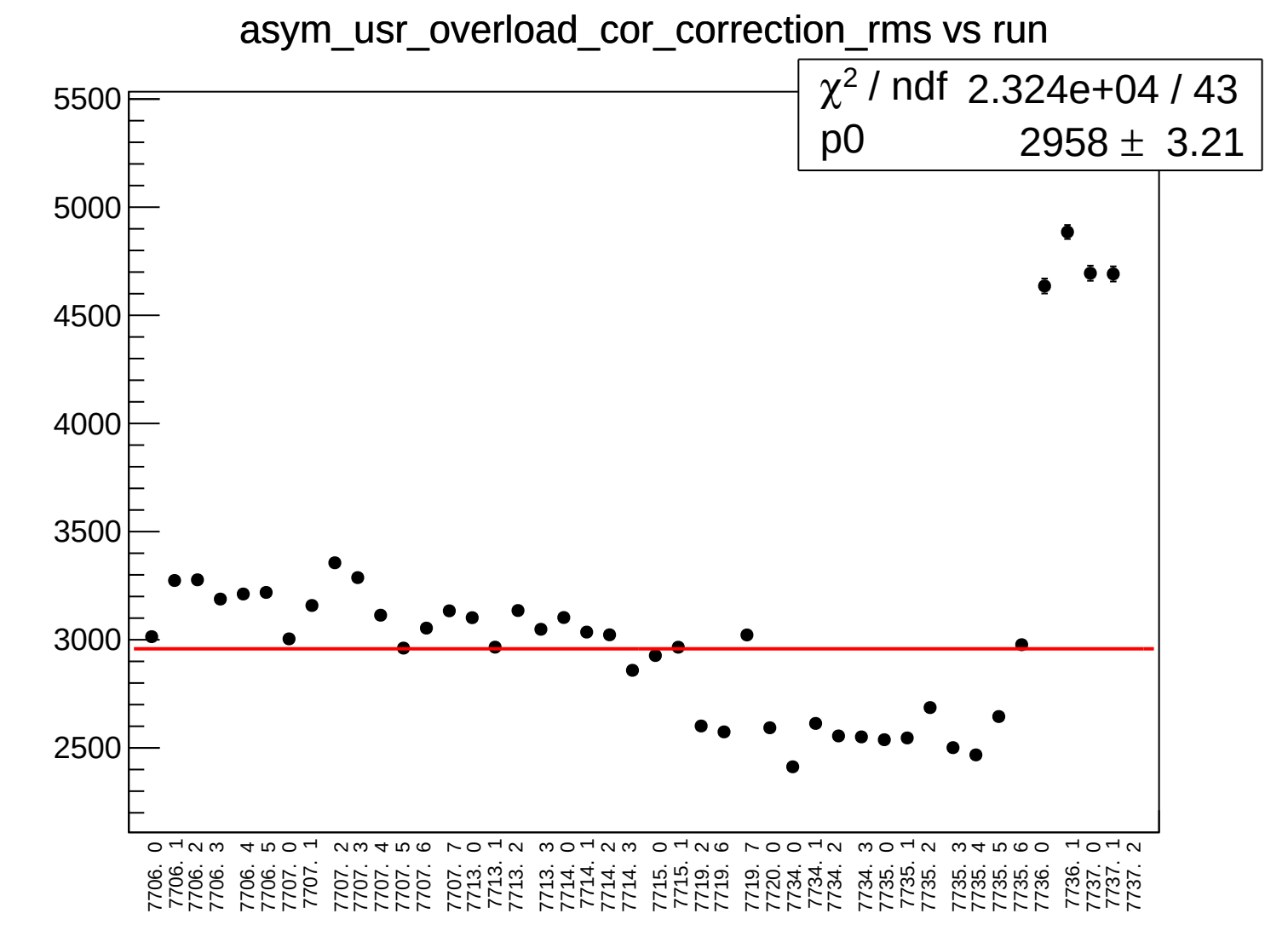

overload_cor_asym_usr_mean vs run
χ² / ndf 50.62 / 53
p0 3016 ± 1639
pull
Entries 54
Mean 52.31
Std Dev 0

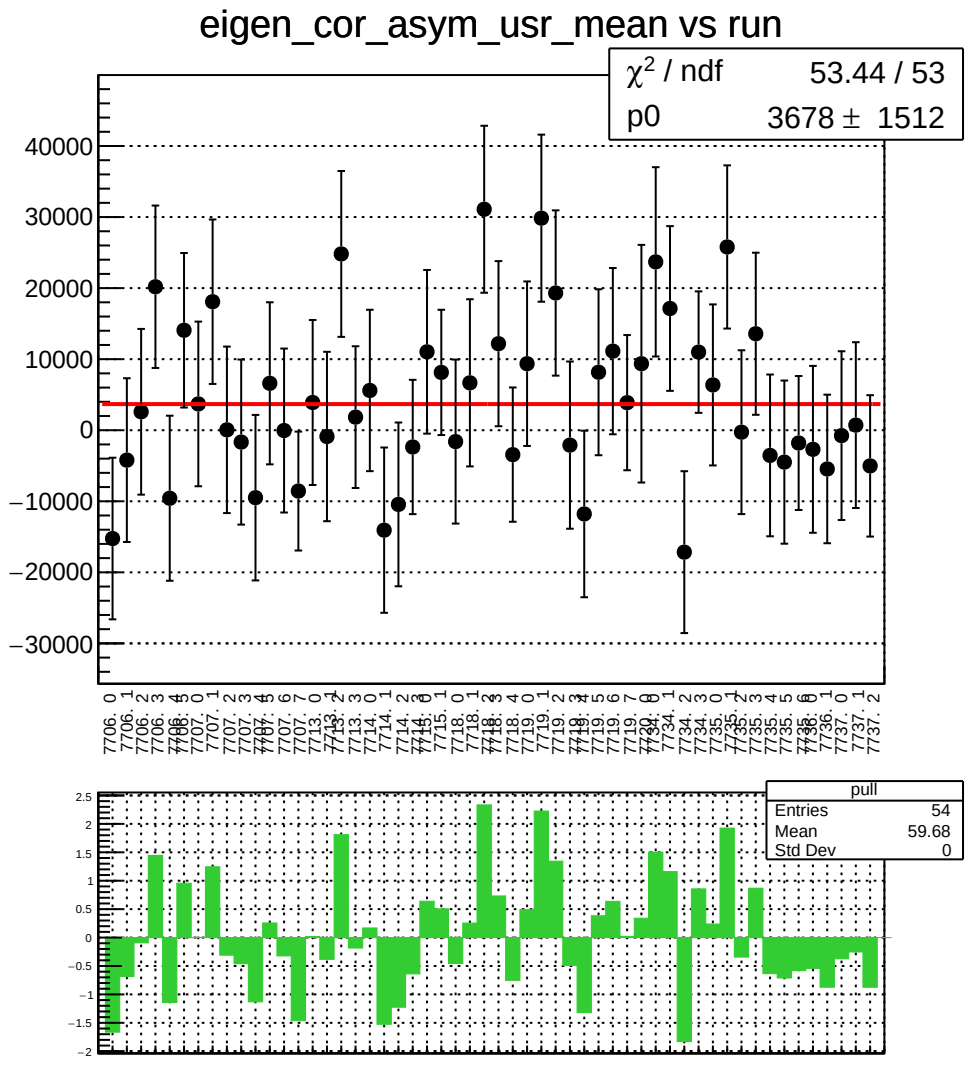

pull1D
Entries 54
Mean 0.03167
Std Dev 0.9677

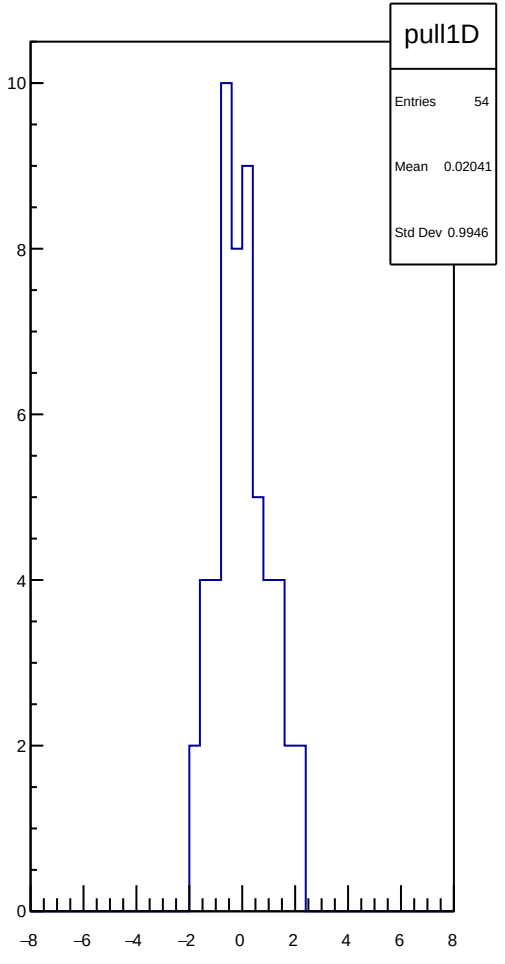

overload_cor_asym_usr_rms vs run
χ² / ndf 7.277e+04 / 53
p0 1153 ± 1.159
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

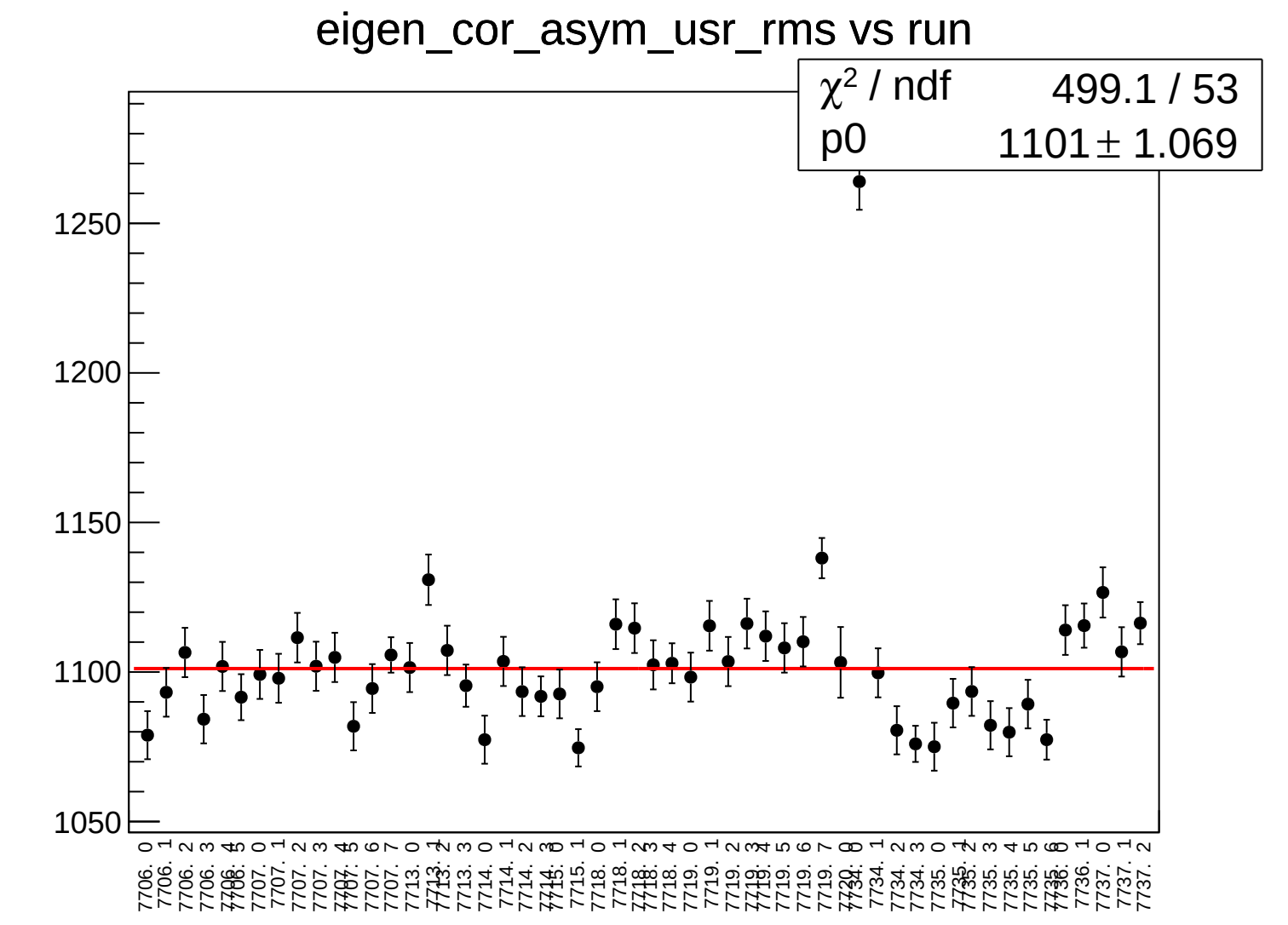

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 42.08 / 43
p0 1282 ± 4539
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 44
Mean −1982
Std Dev 0
2
1
0
−1
−2

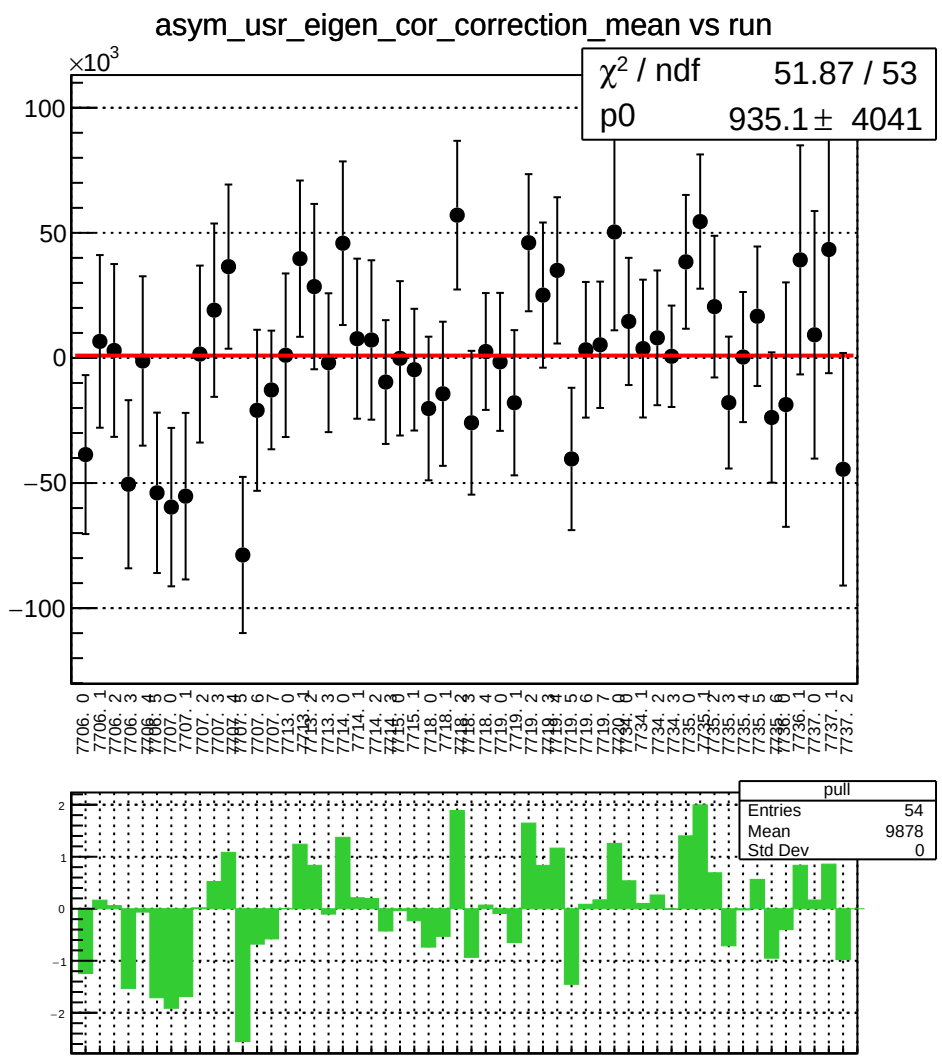

pull1D
Entries 44
Mean −0.002188
Std Dev 0.978
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

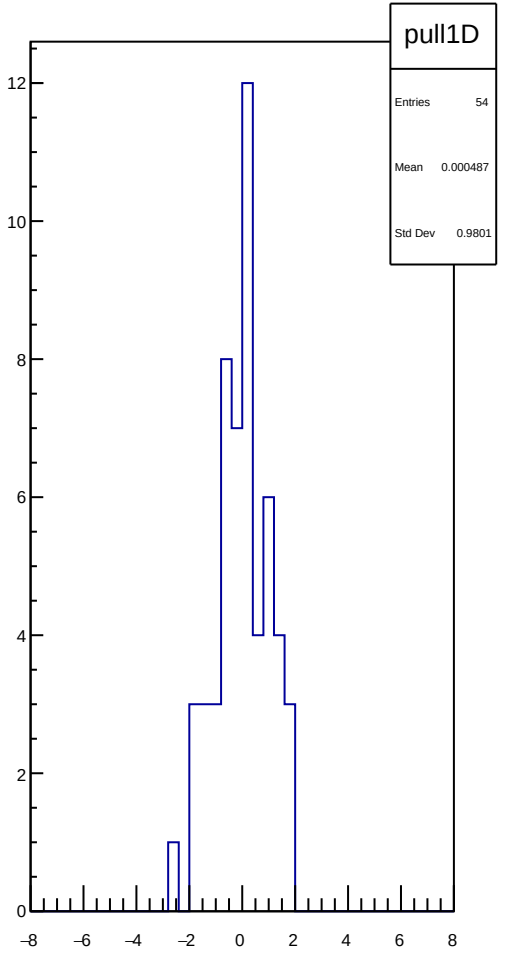

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2.324e+04 / 43
p0 2958 ± 3.21
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 2
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

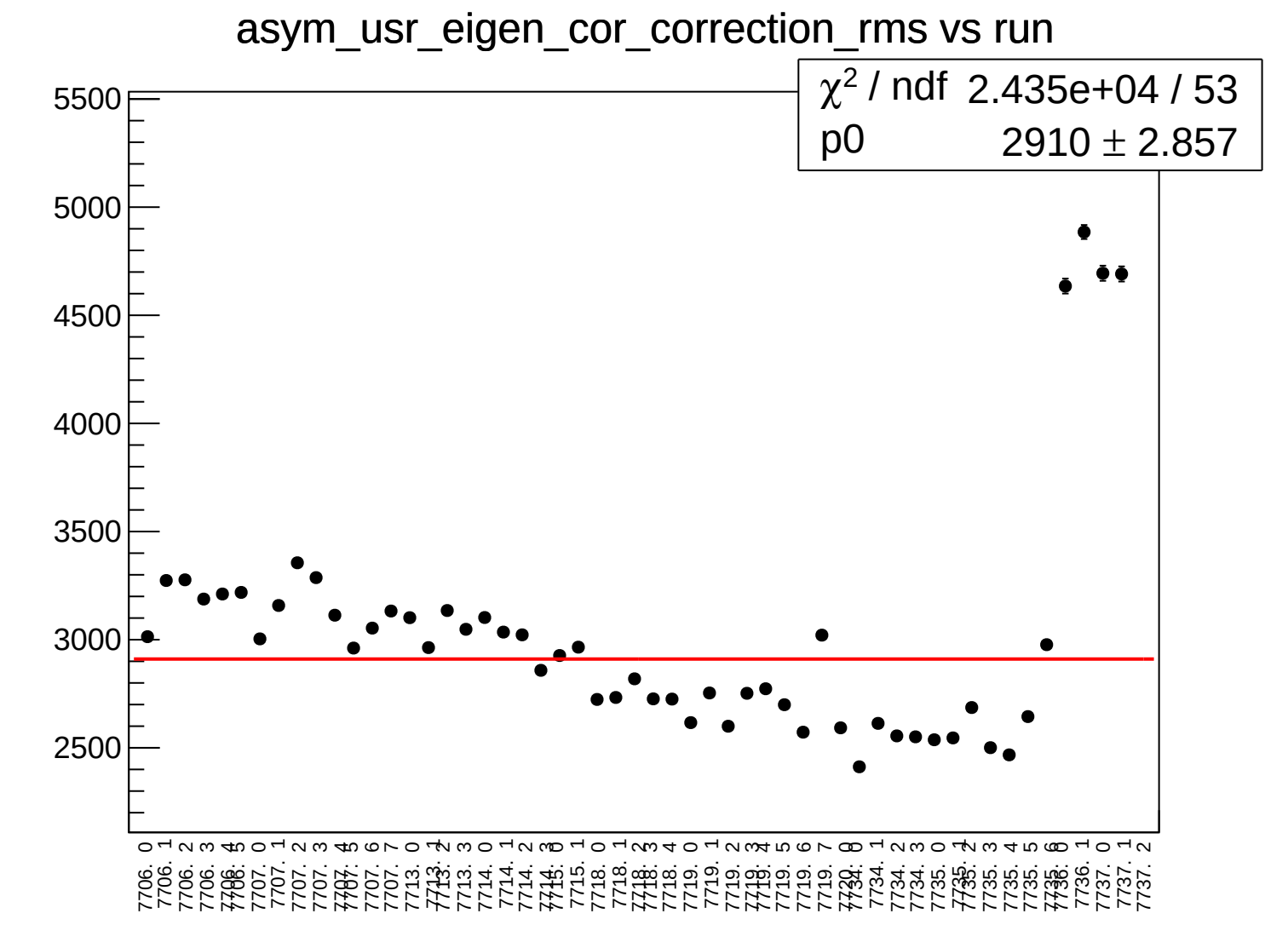

eigen_cor_asym_usr_mean vs run
χ² / ndf 53.44 / 53
p0 3678 ± 1512
pull
Entries 54
Mean 59.68
Std Dev 0

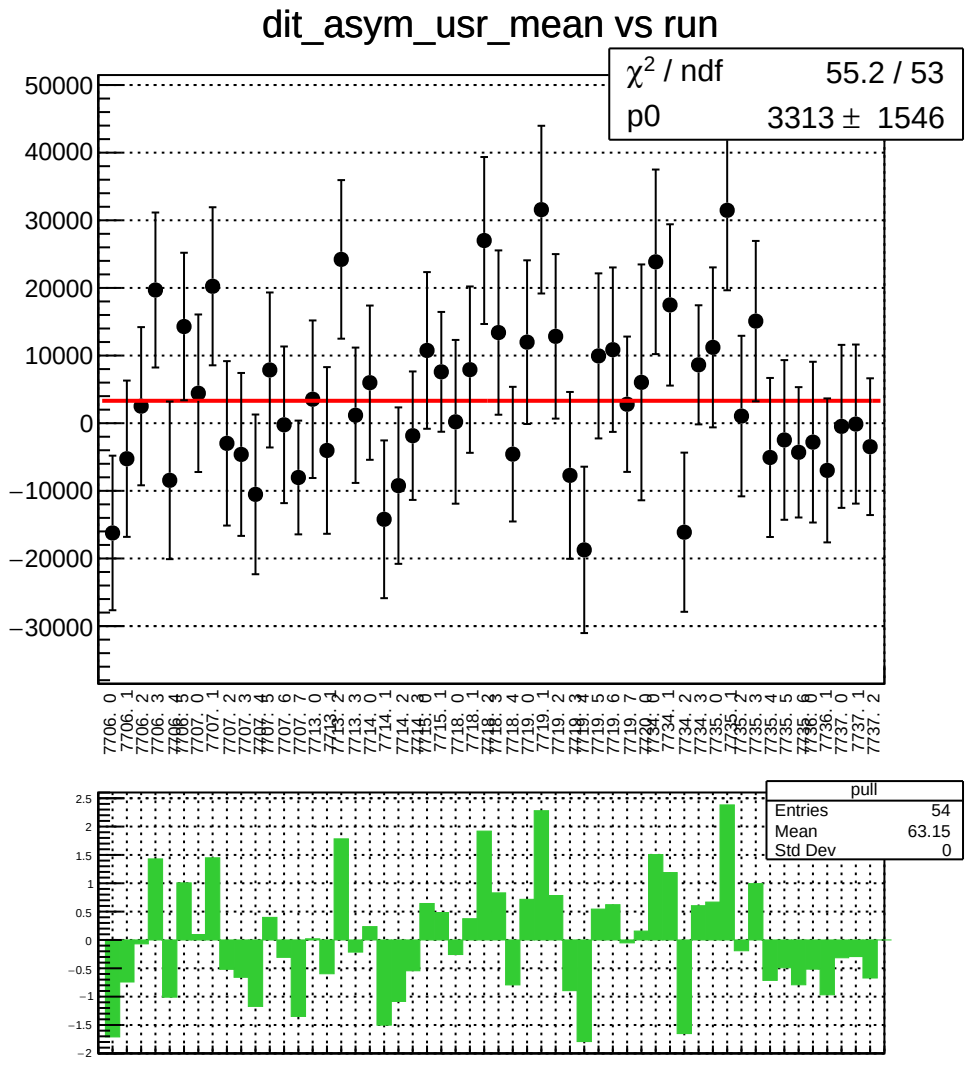

pull1D
Entries 54
Mean 0.02041
Std Dev 0.9946

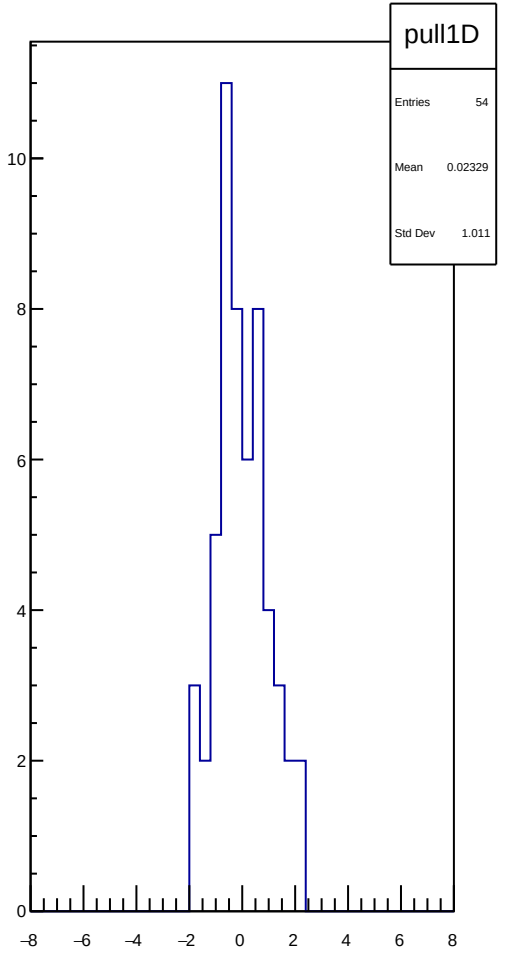

eigen_cor_asym_usr_rms vs run
χ² / ndf 499.1 / 53
p0 1101 ± 1.069
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

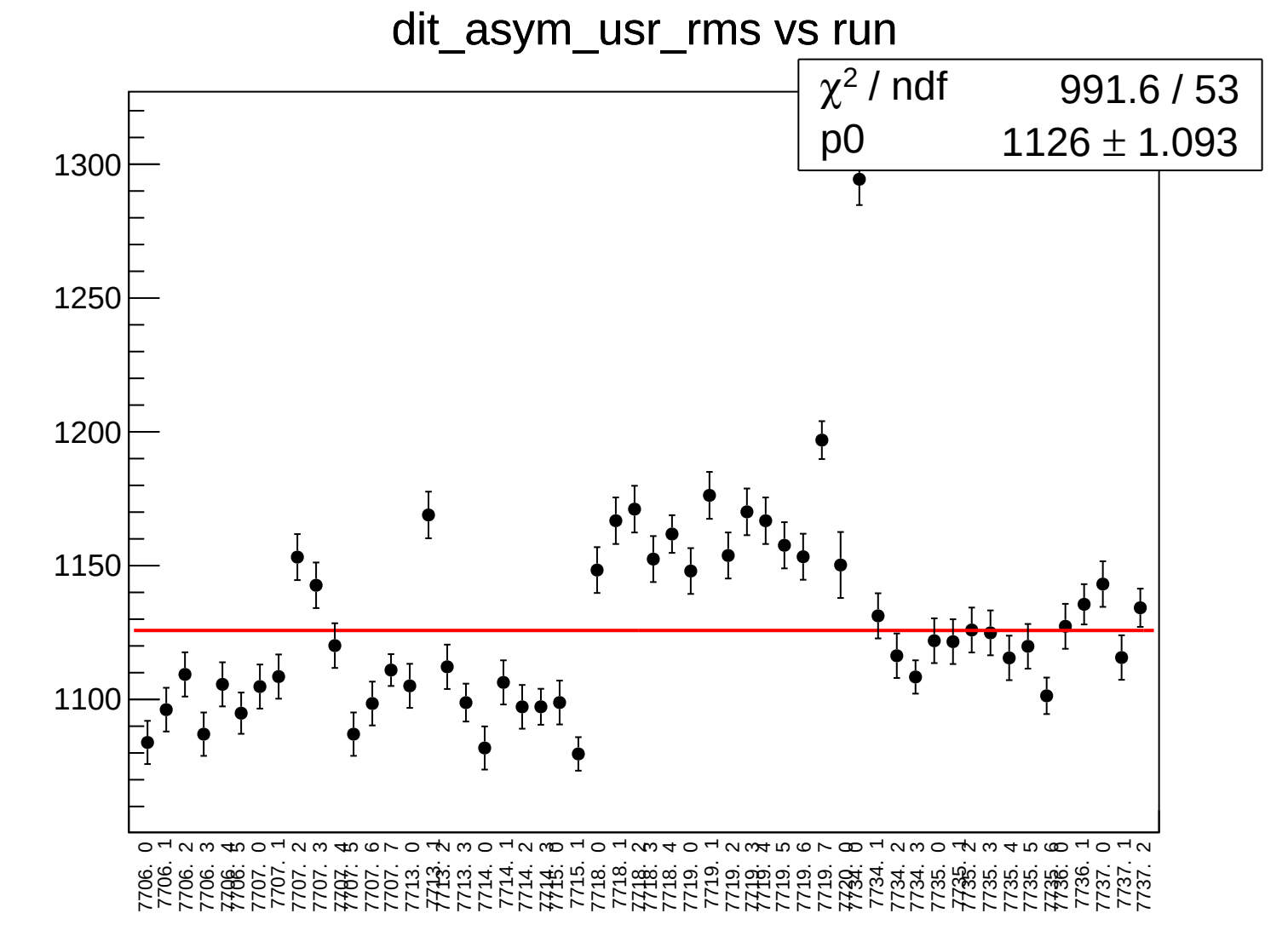

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 51.87 / 53
p0 935.1 ± 4041
100
50
0
−50
−100
pull
Entries 54
Mean 9878
Std Dev 0
2
1
0
−1
−2

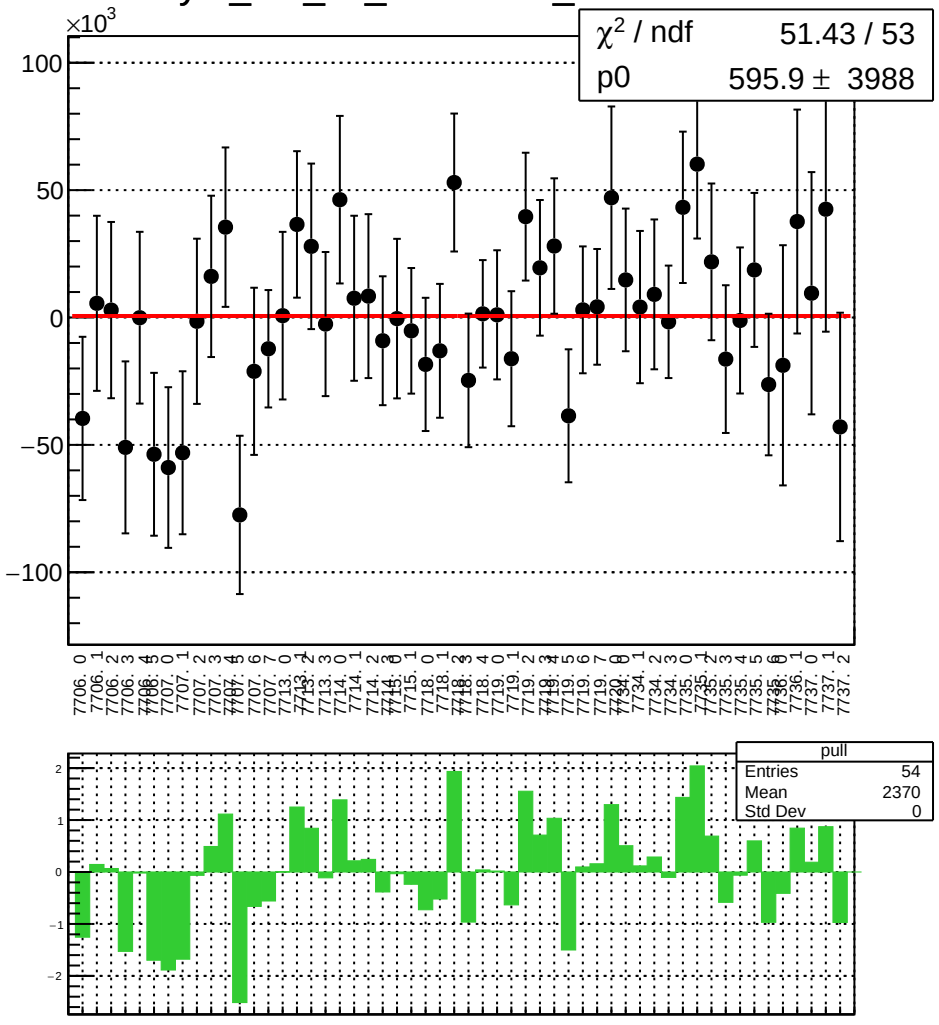

pull1D
Entries 54
Mean 0.000487
Std Dev 0.9801
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

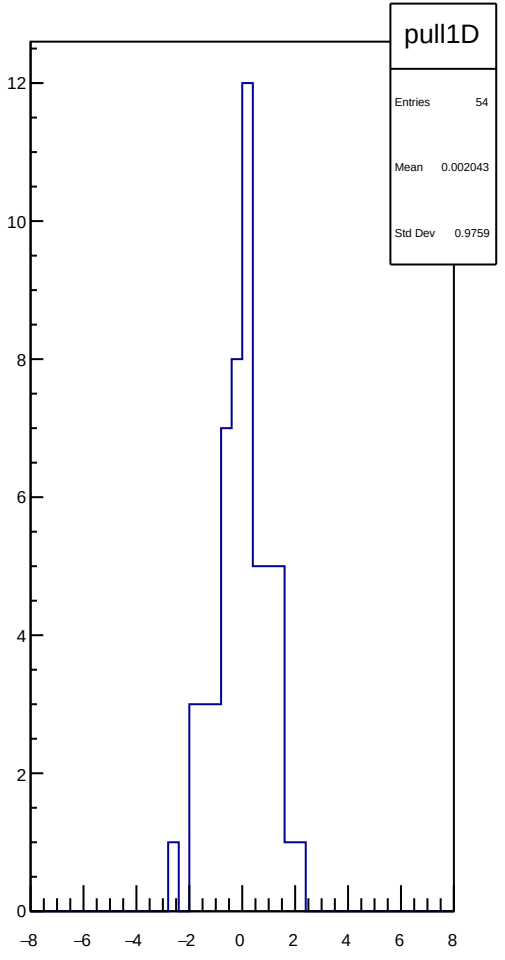

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2.435e+04 / 53
p0 2910 ± 2.857
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

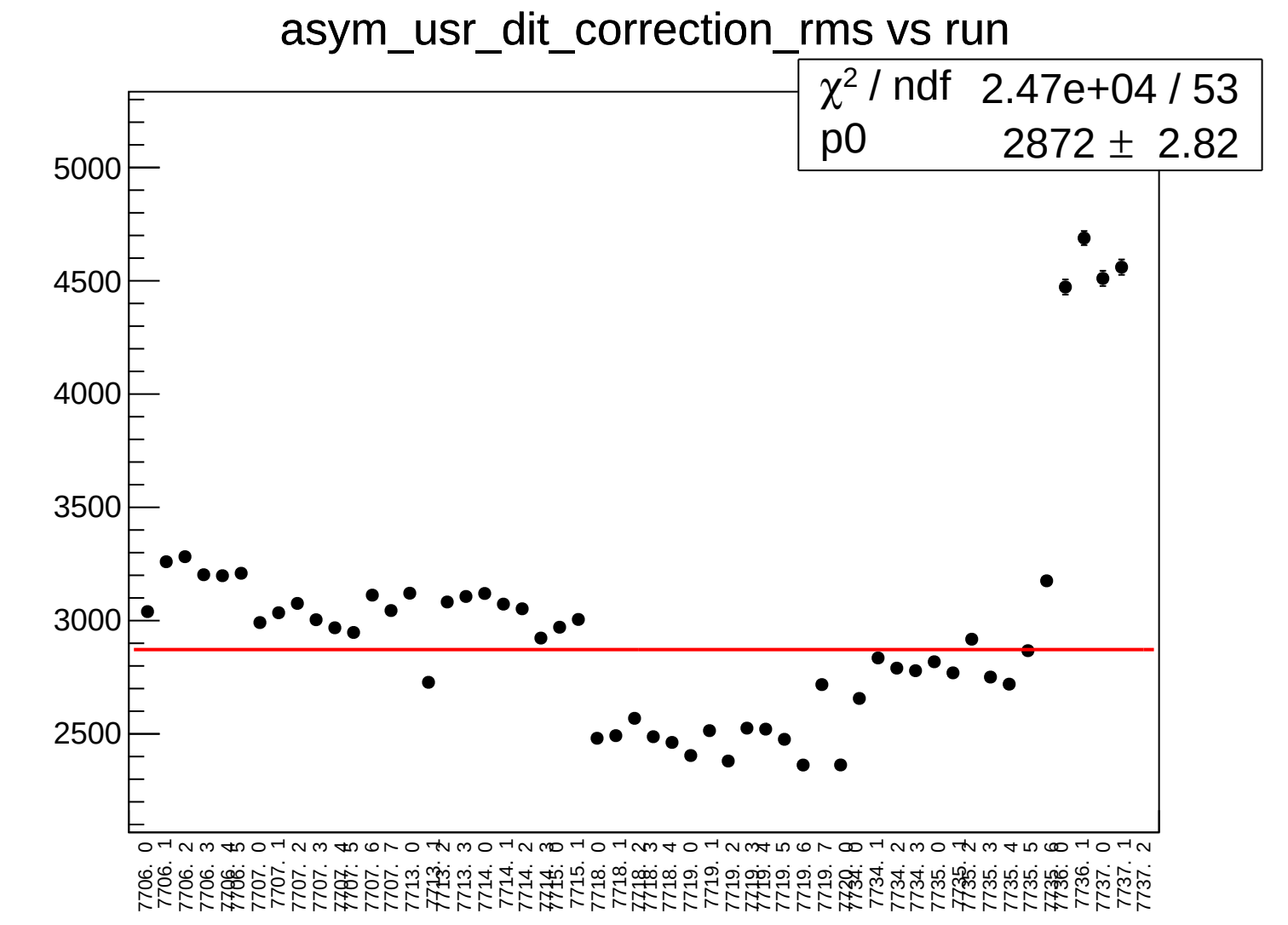

dit_asym_usr_mean vs run
χ² / ndf 55.2 / 53
p0 3313 ± 1546
pull
Entries 54
Mean 63.15
Std Dev 0

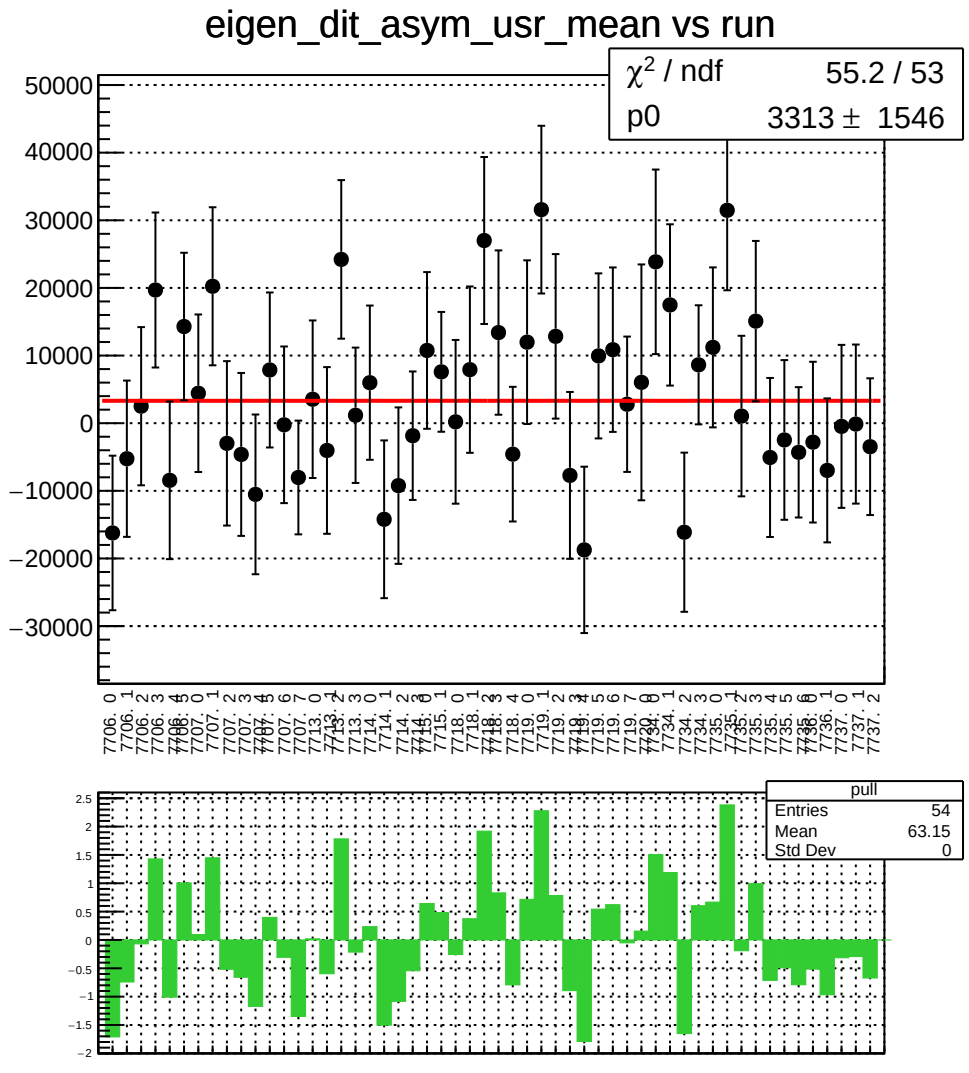

pull1D
Entries 54
Mean 0.02329
Std Dev 1.011

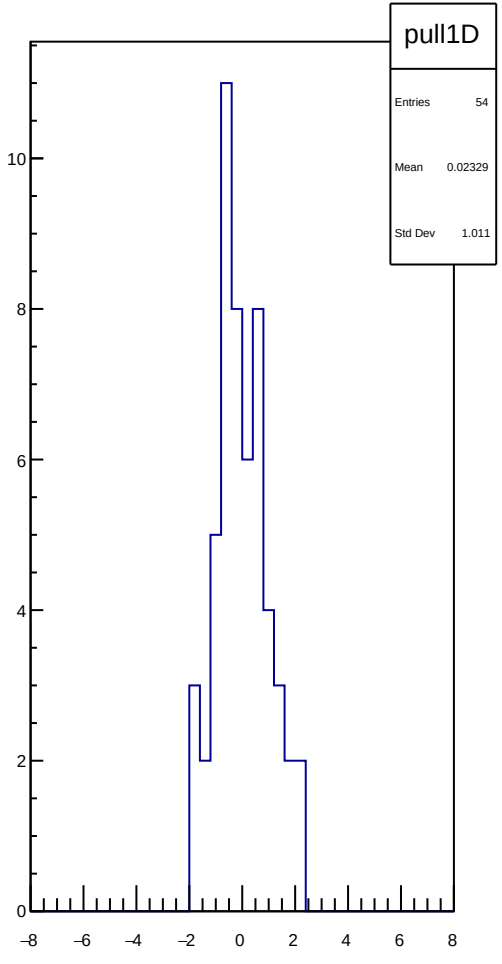

dit_asym_usr_rms vs run
χ^2 / ndf 991.6 / 53
p0 1126 ± 1.093
1300
1250
1200
1150
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

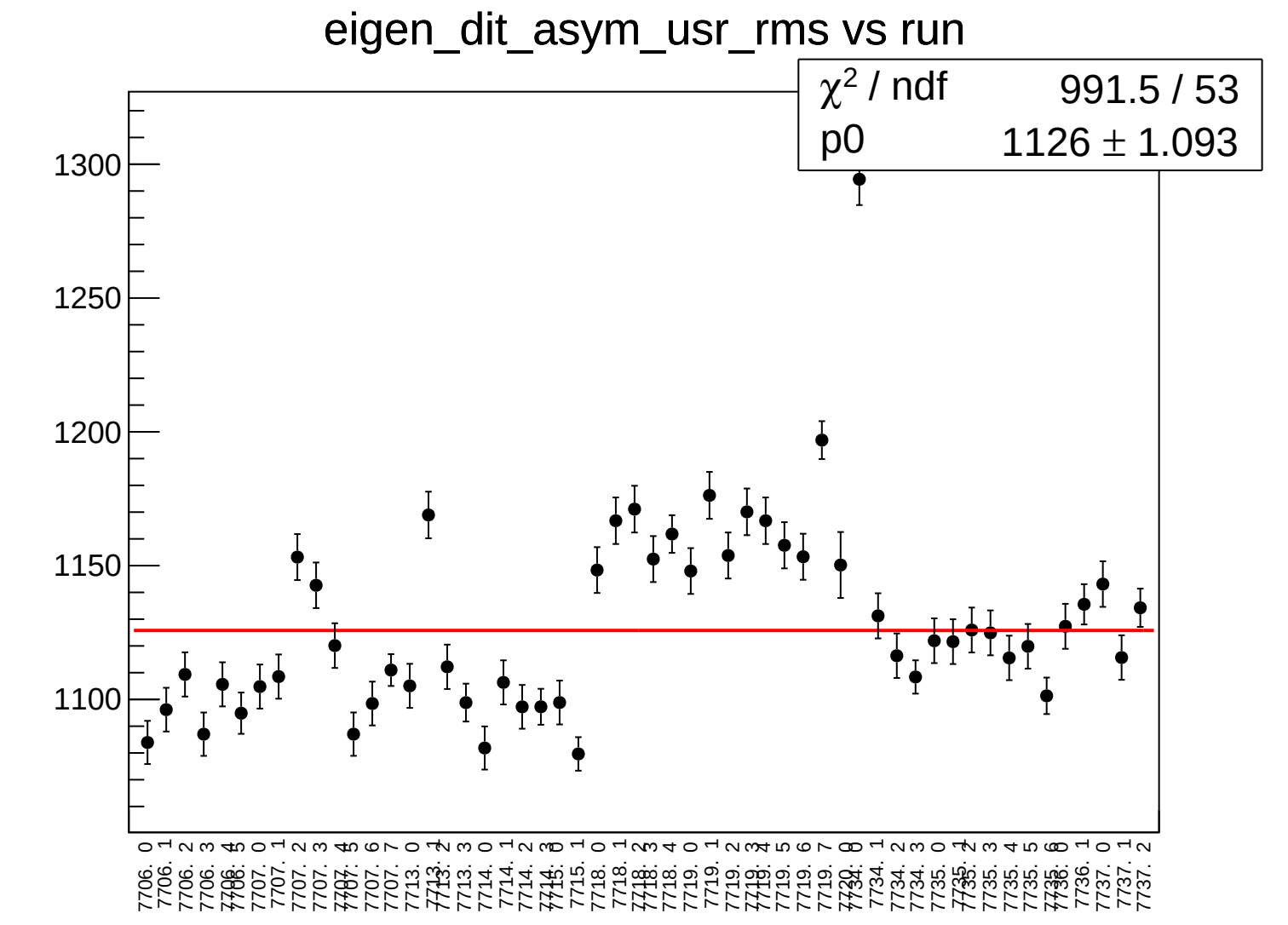

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 51.43 / 53
p0 595.9 ± 3988
100
50
0
−50
−100
pull
Entries 54
Mean 2370
Std Dev 0
2
1
0
−1
−2

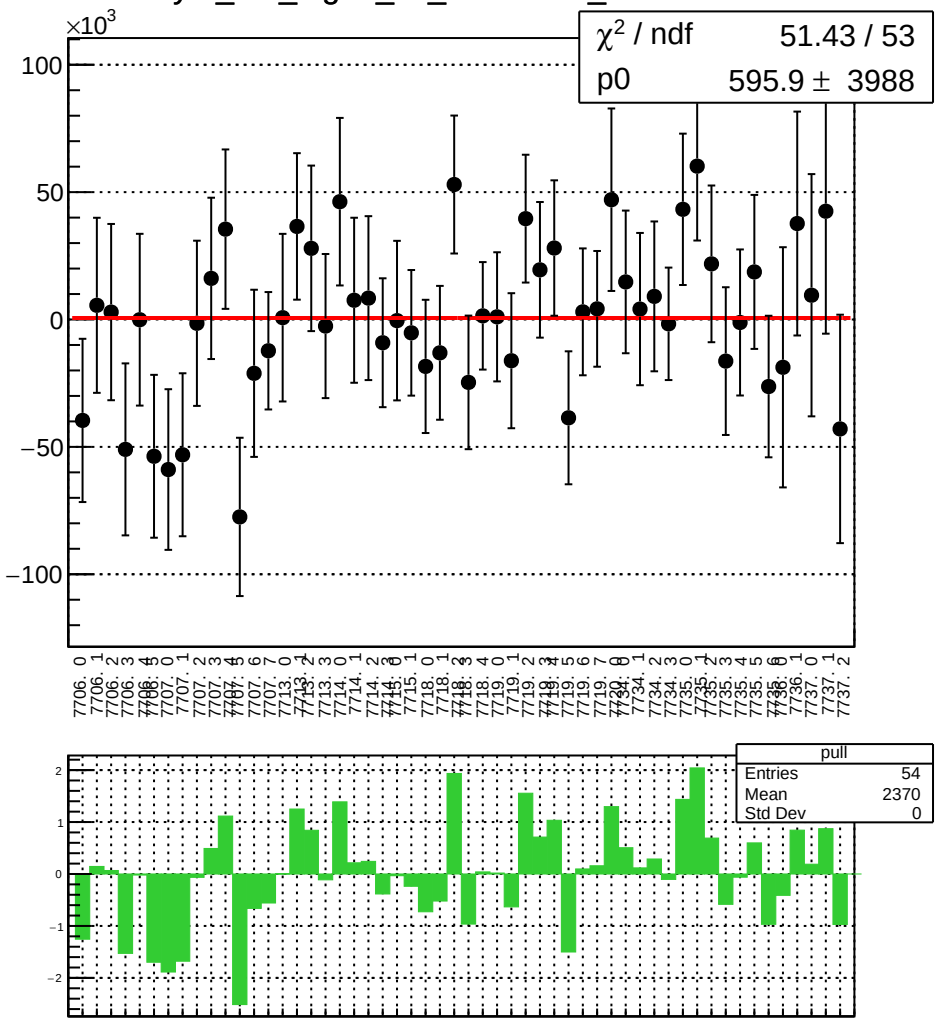

pull1D
Entries 54
Mean 0.002043
Std Dev 0.9759
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

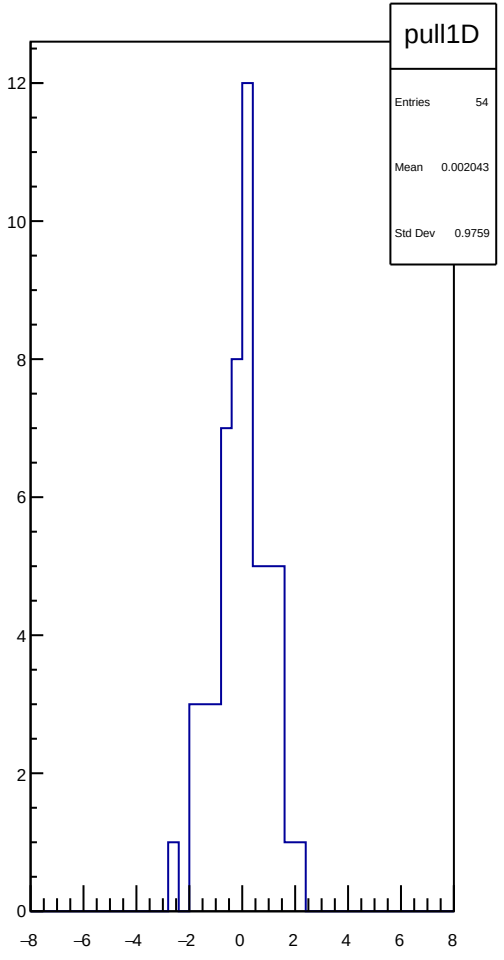

asym_usr_dit_correction_rms vs run
χ² / ndf 2.47e+04 / 53
p0 2872 ± 2.82
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

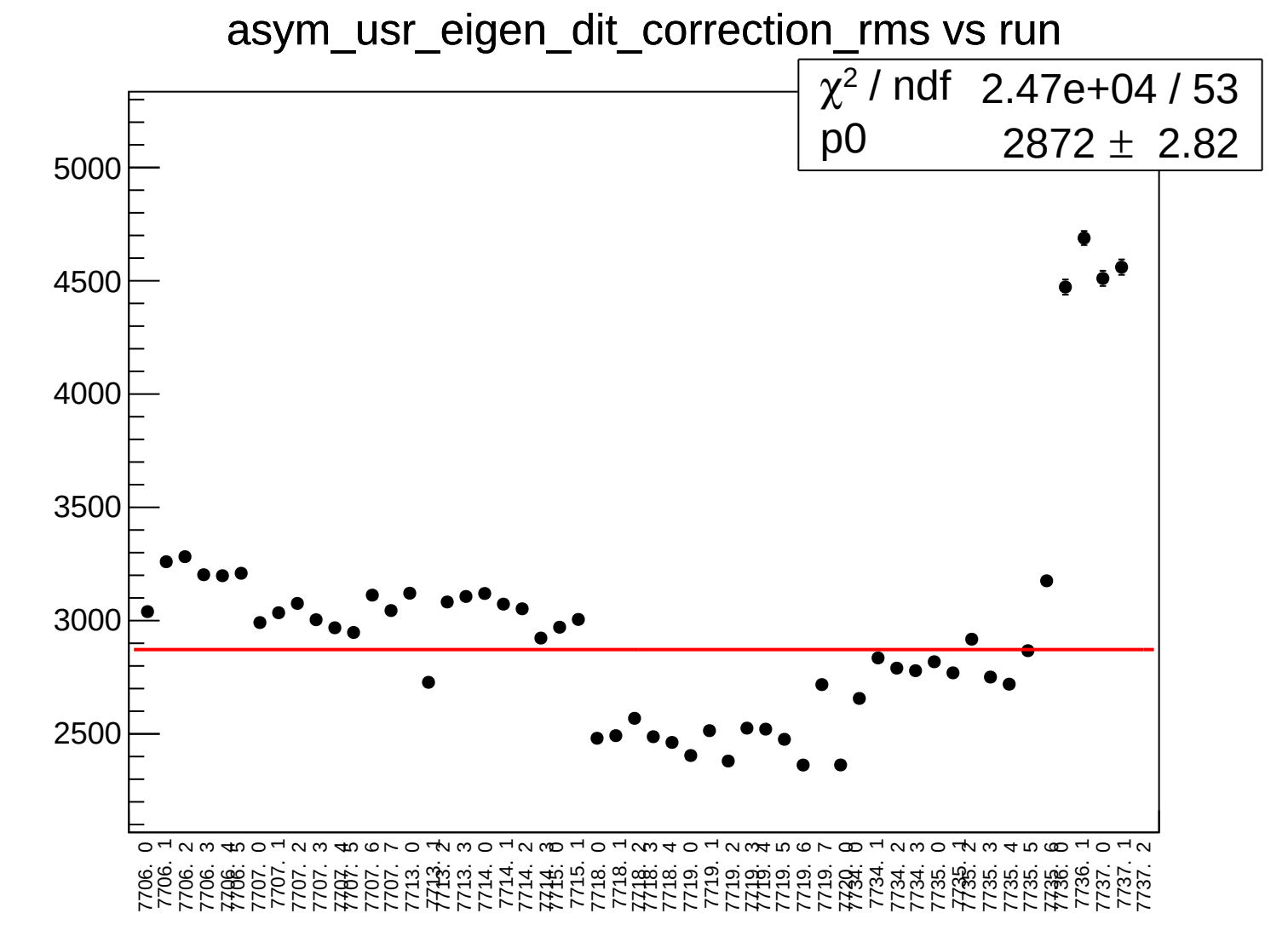

eigen_dit_asym_usr_mean vs run
χ^2 / ndf 55.2 / 53
p0 3313 ± 1546
pull
Entries 54
Mean 63.15
Std Dev 0

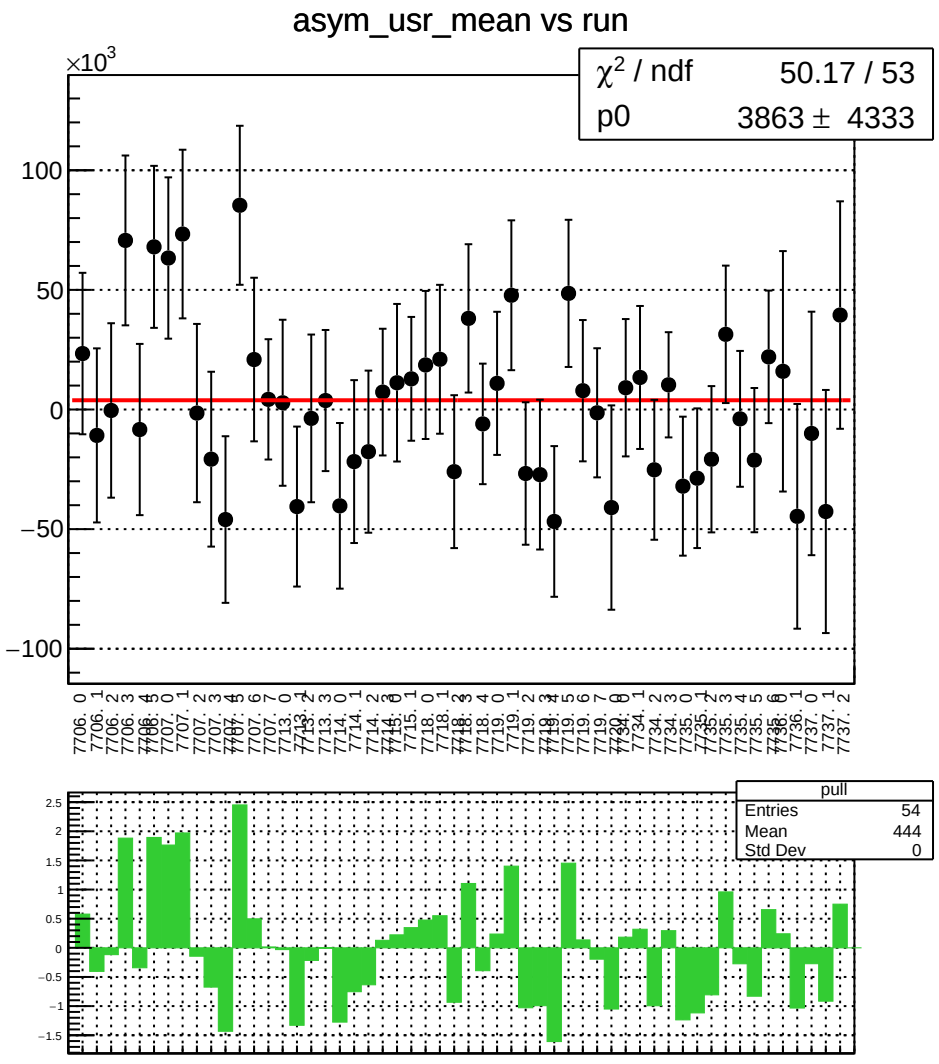

pull1D
Entries 54
Mean 0.02329
Std Dev 1.011

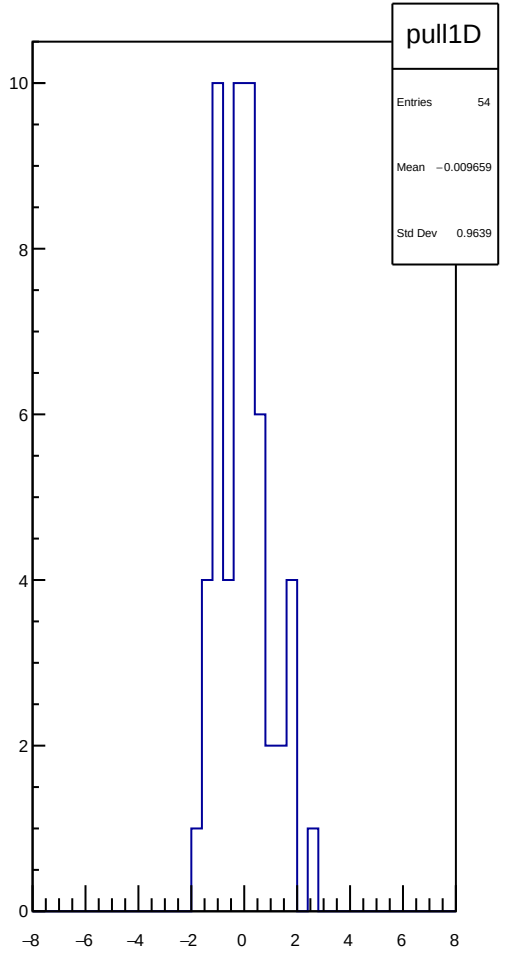

eigen_dit_asym_usr_rms vs run
χ^2 / ndf 991.5 / 53
p0 1126 ± 1.093
1300
1250
1200
1150
1100

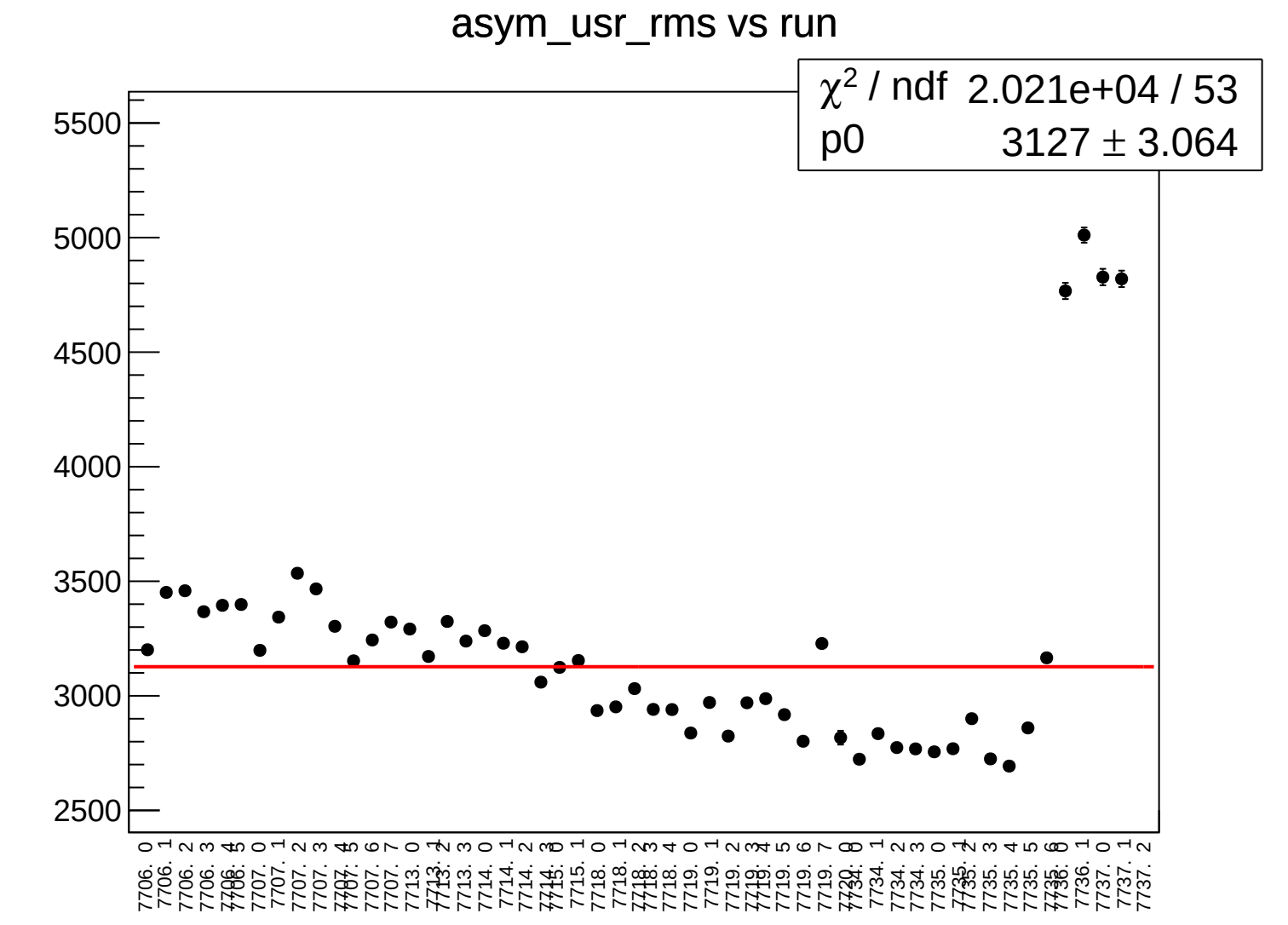

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.43 / 53
p0 595.9 ± 3988
100
50
0
−50
−100
pull
Entries 54
Mean 2370
Std Dev 0
2
1
0
−1
−2

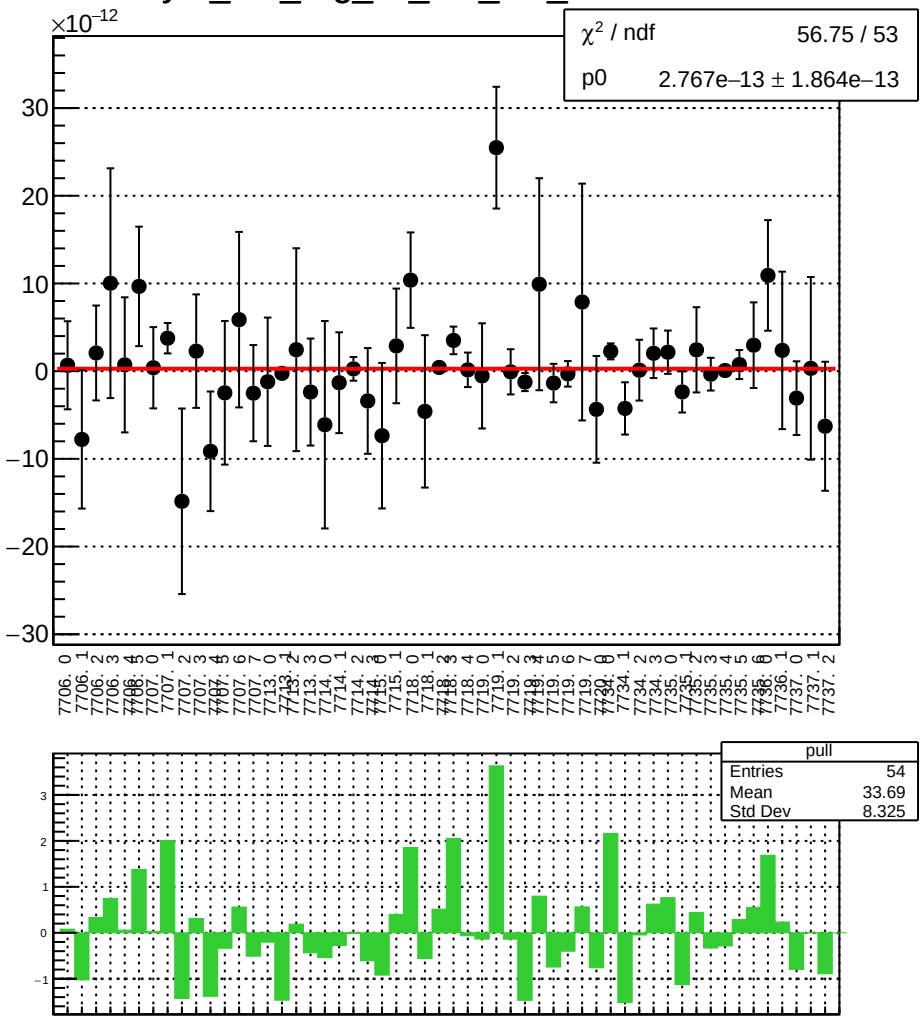

pull1D
Entries 54
Mean 0.002043
Std Dev 0.9759
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

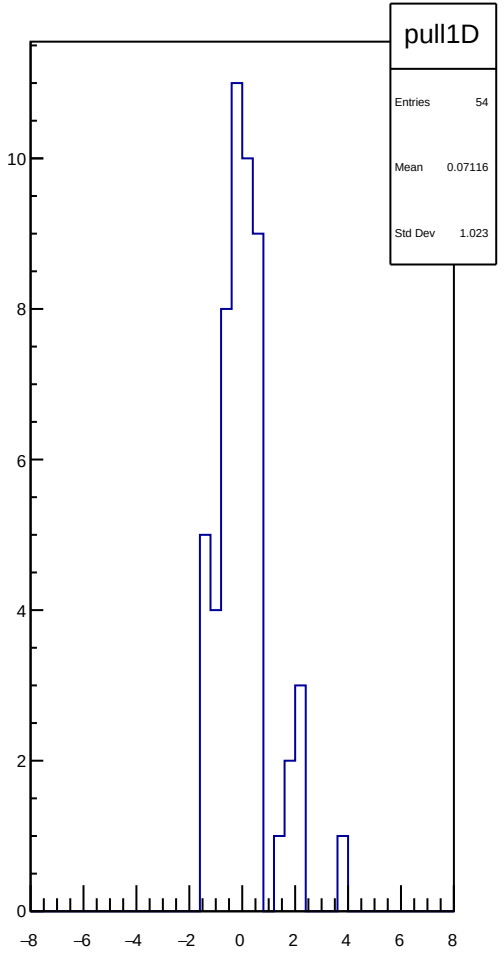

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2.47e+04 / 53
p0 2872 ± 2.82
5000
4500
4000
3500
3000
2500

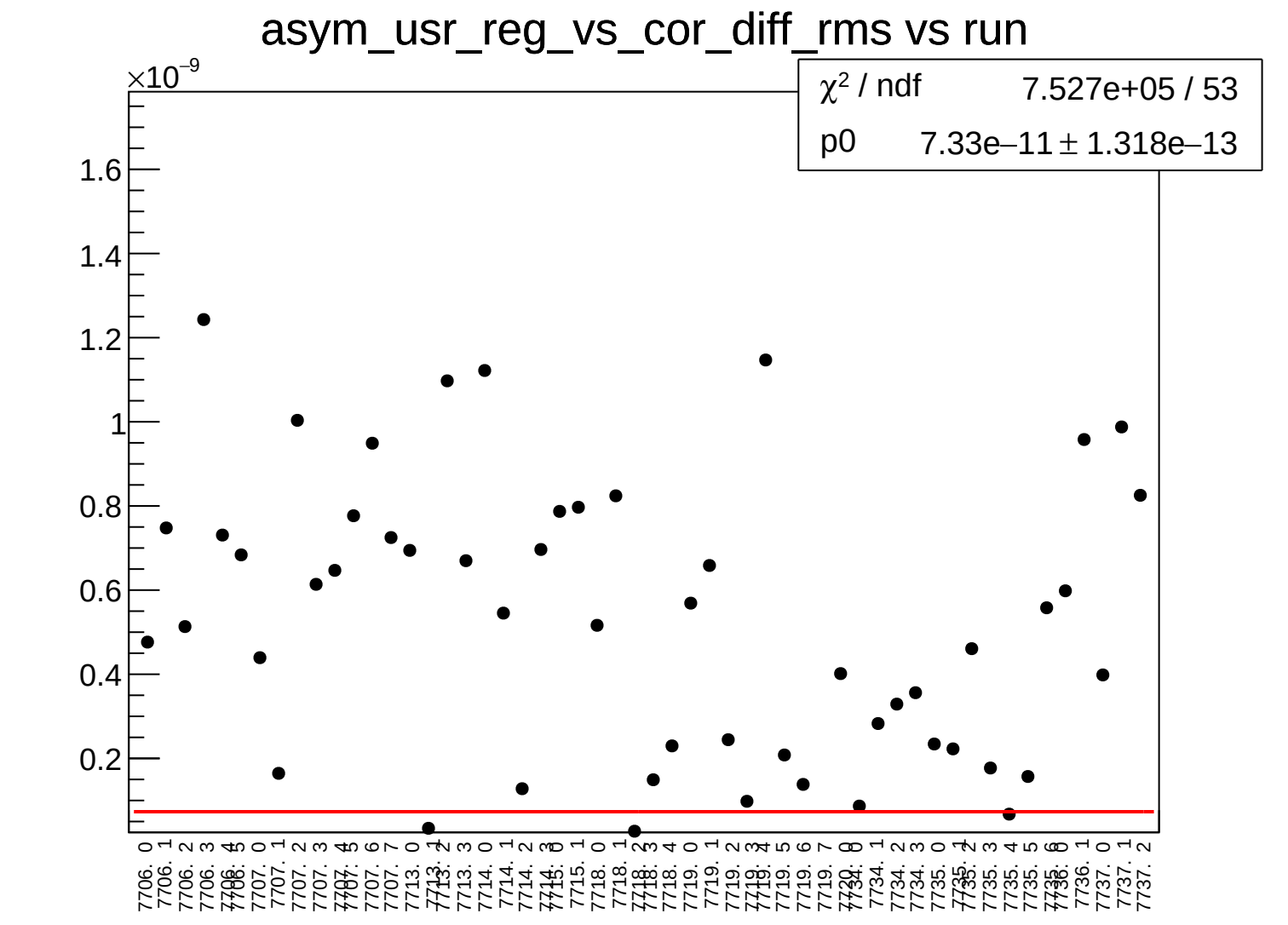

asym_usr_mean vs run
×10^3
χ² / ndf 50.17 / 53
p0 3863 ± 4333
100
50
0
−50
−100
pull
Entries 54
Mean 444
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

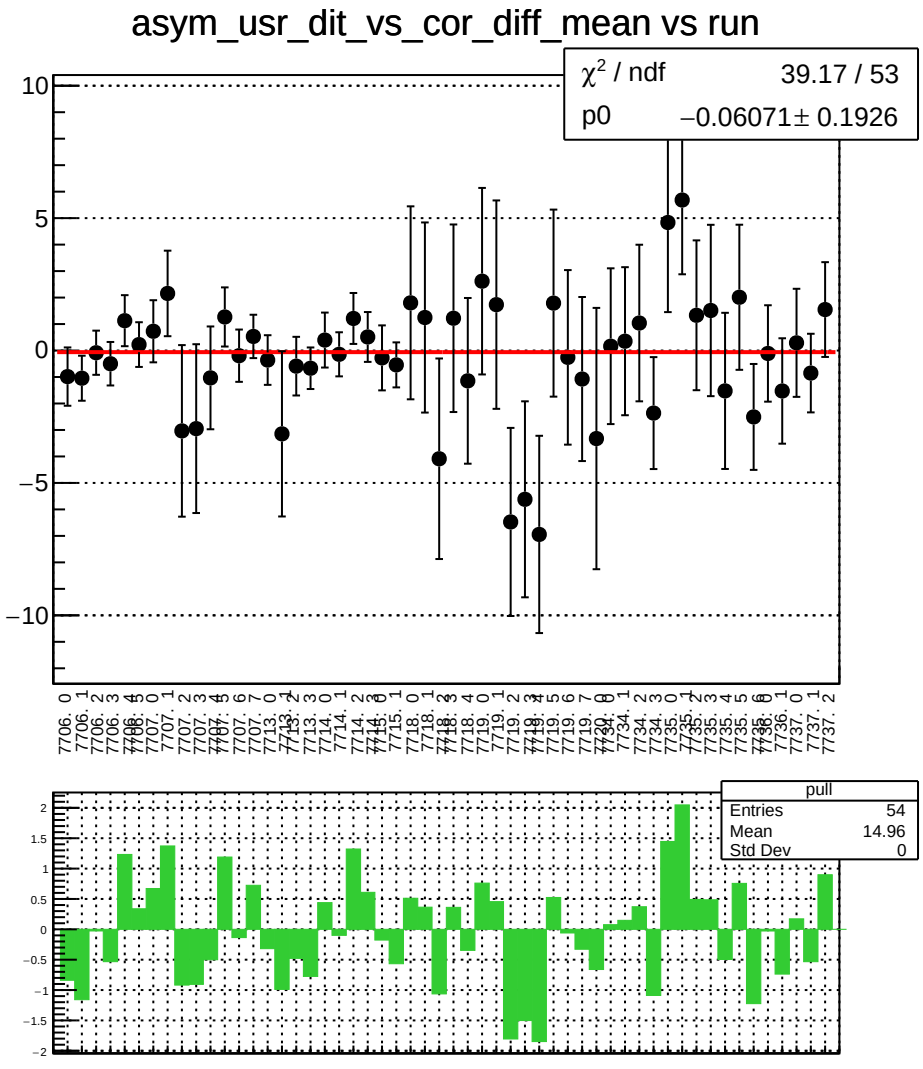

pull1D
Entries 54
Mean −0.009659
Std Dev 0.9639
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

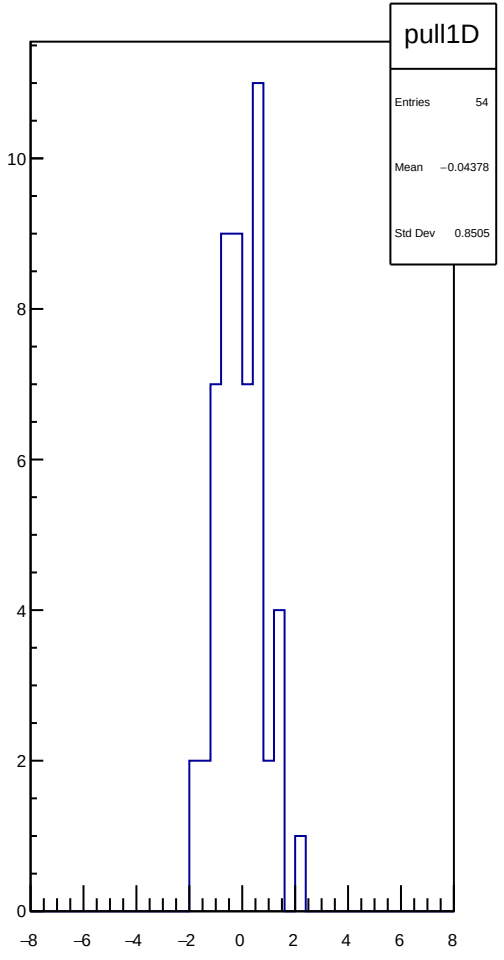

asym_usr_rms vs run
χ^2 / ndf 2.021e+04 / 53
p0 3127 ± 3.064
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7714. 4
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

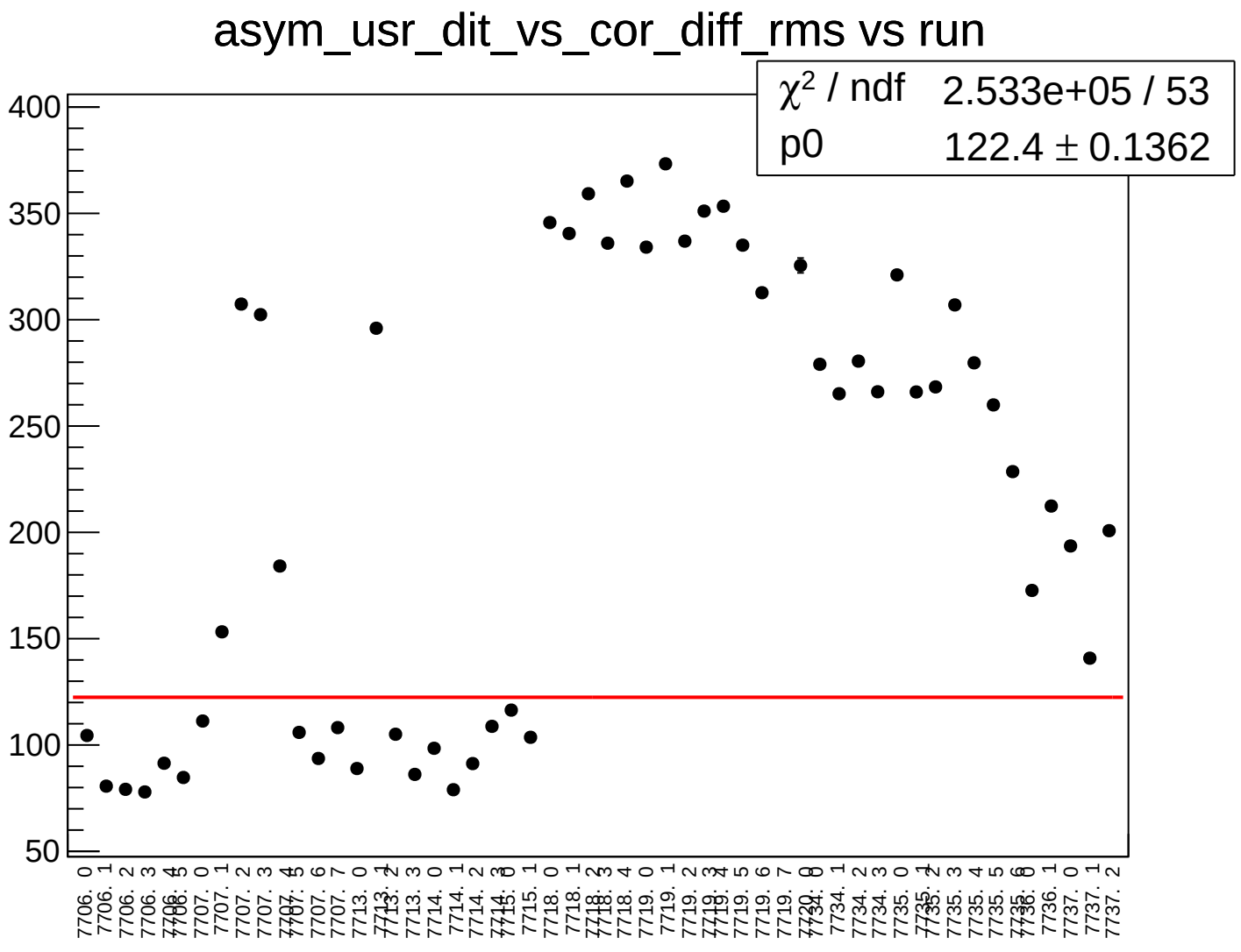

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.75 / 53
p0 2.767e−13 ± 1.864e−13
pull
Entries 54
Mean 33.69
Std Dev 8.325

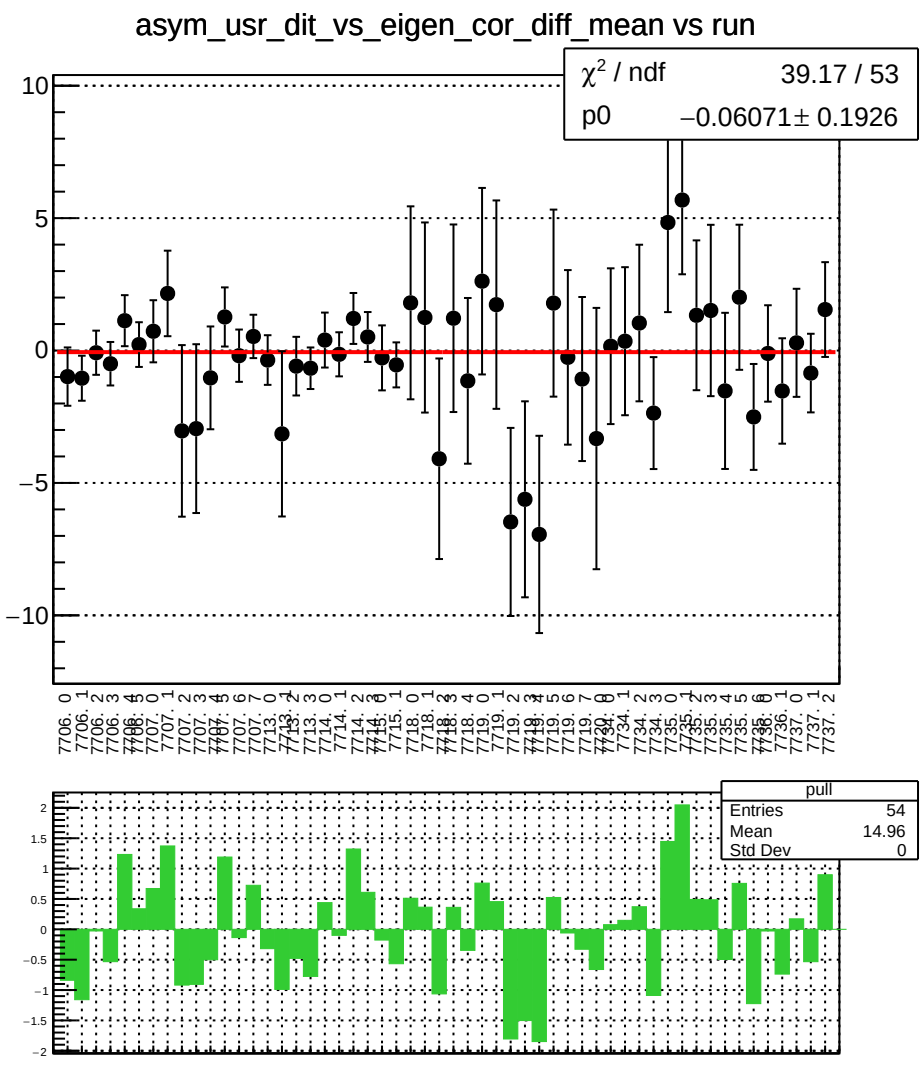

pull1D
Entries 54
Mean 0.07116
Std Dev 1.023

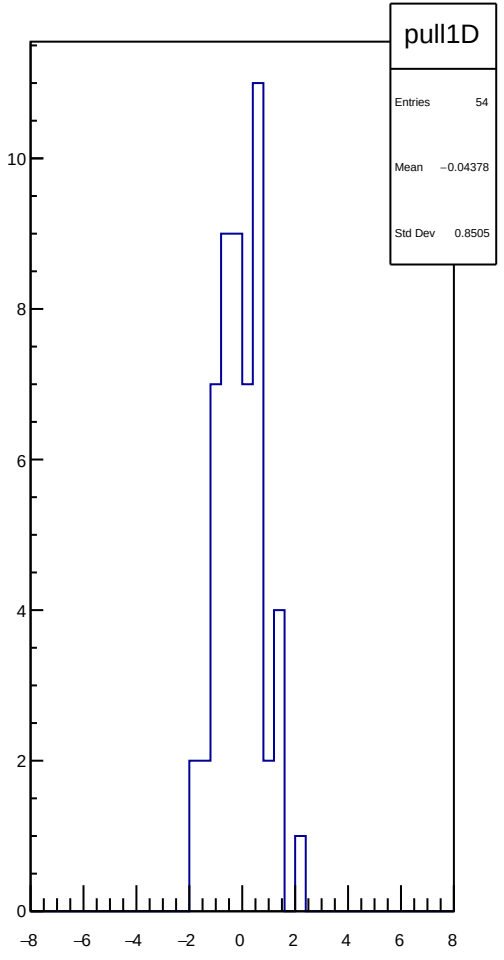

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.527e+05 / 53
p0 7.33e−11 ± 1.318e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

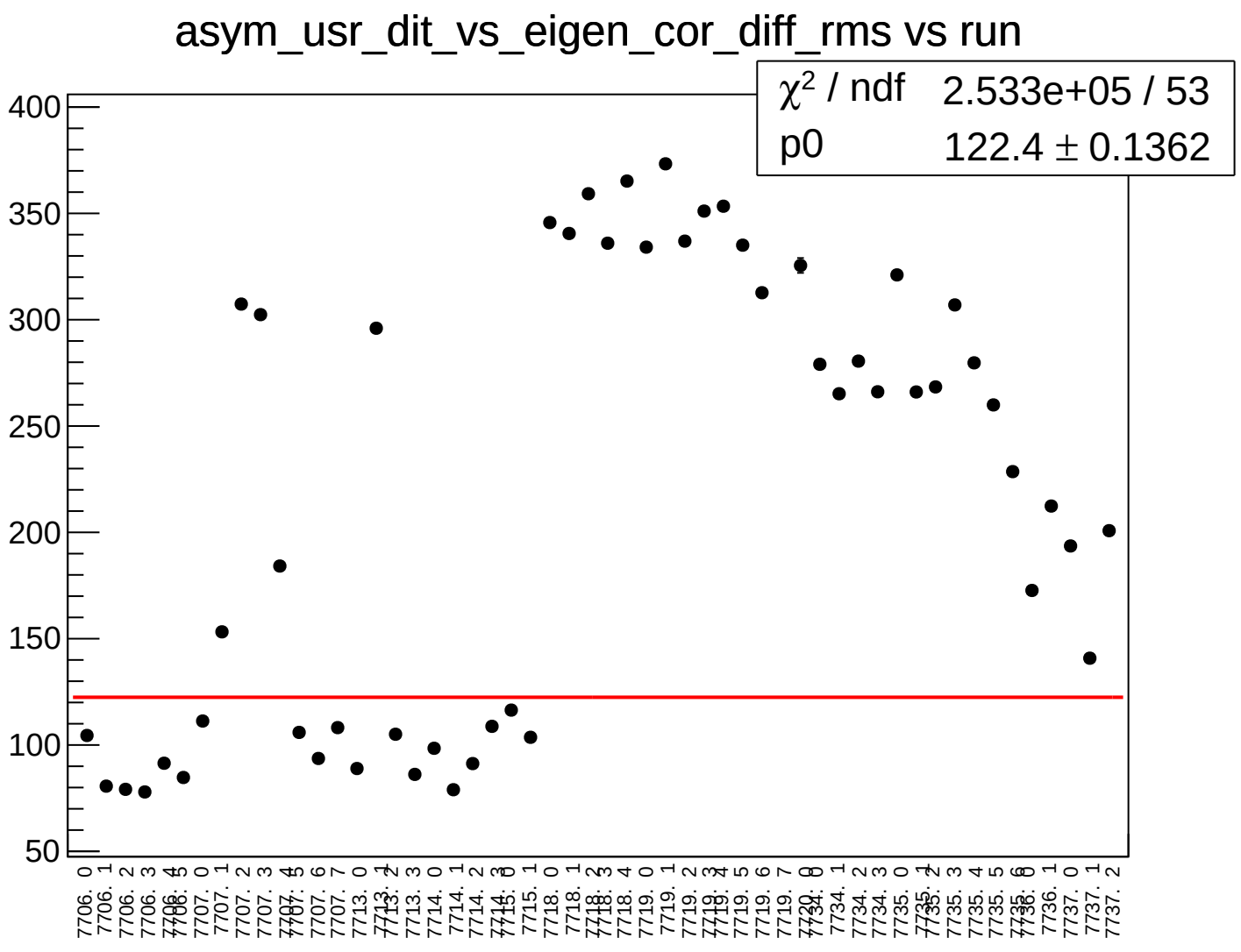

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 39.17 / 53
p0 −0.06071 ± 0.1926
pull
Entries 54
Mean 14.96
Std Dev 0

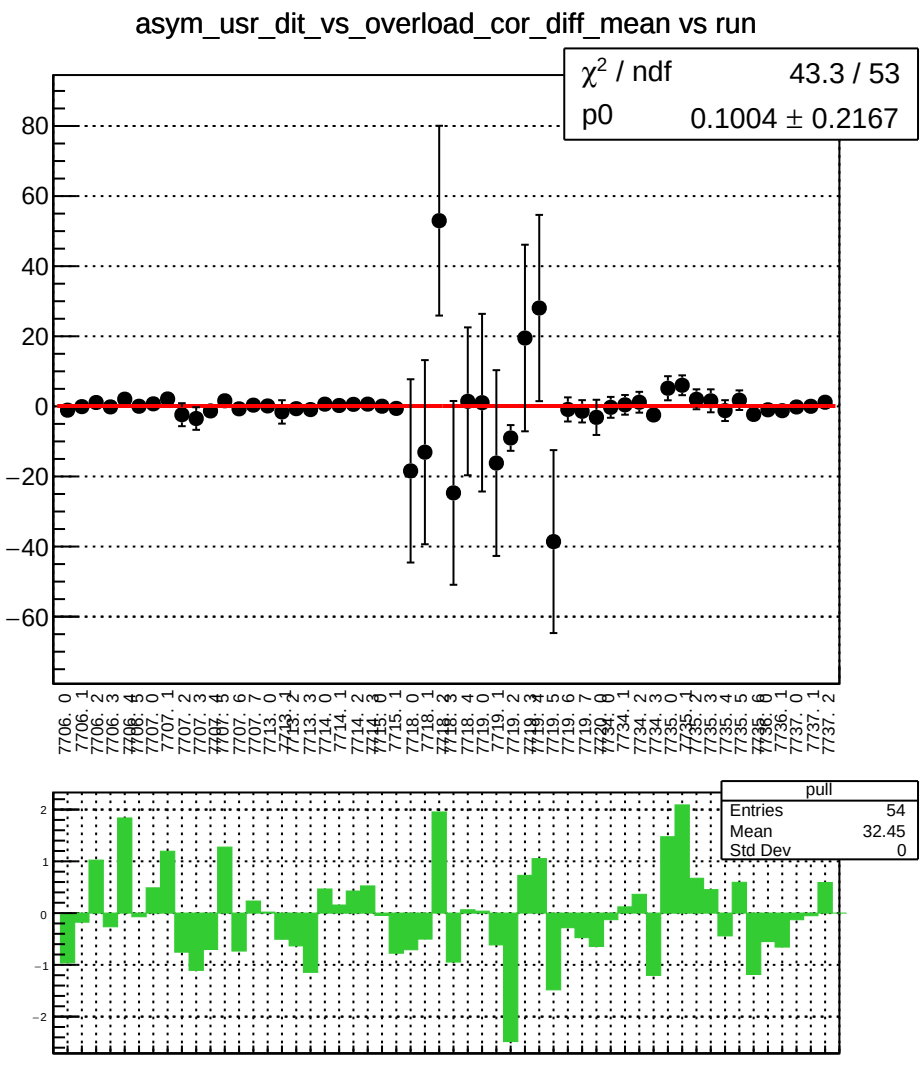

pull1D
Entries 54
Mean −0.04378
Std Dev 0.8505

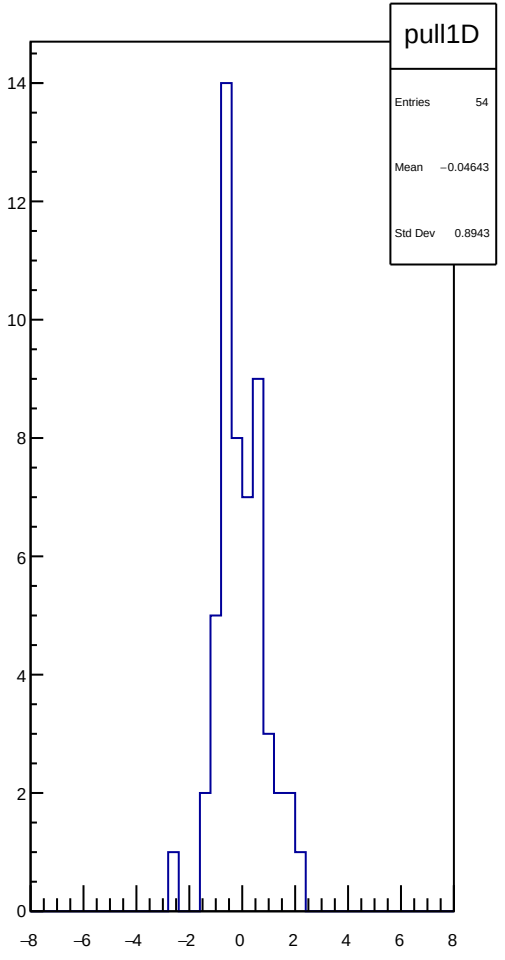

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 122.4 ± 0.1362
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

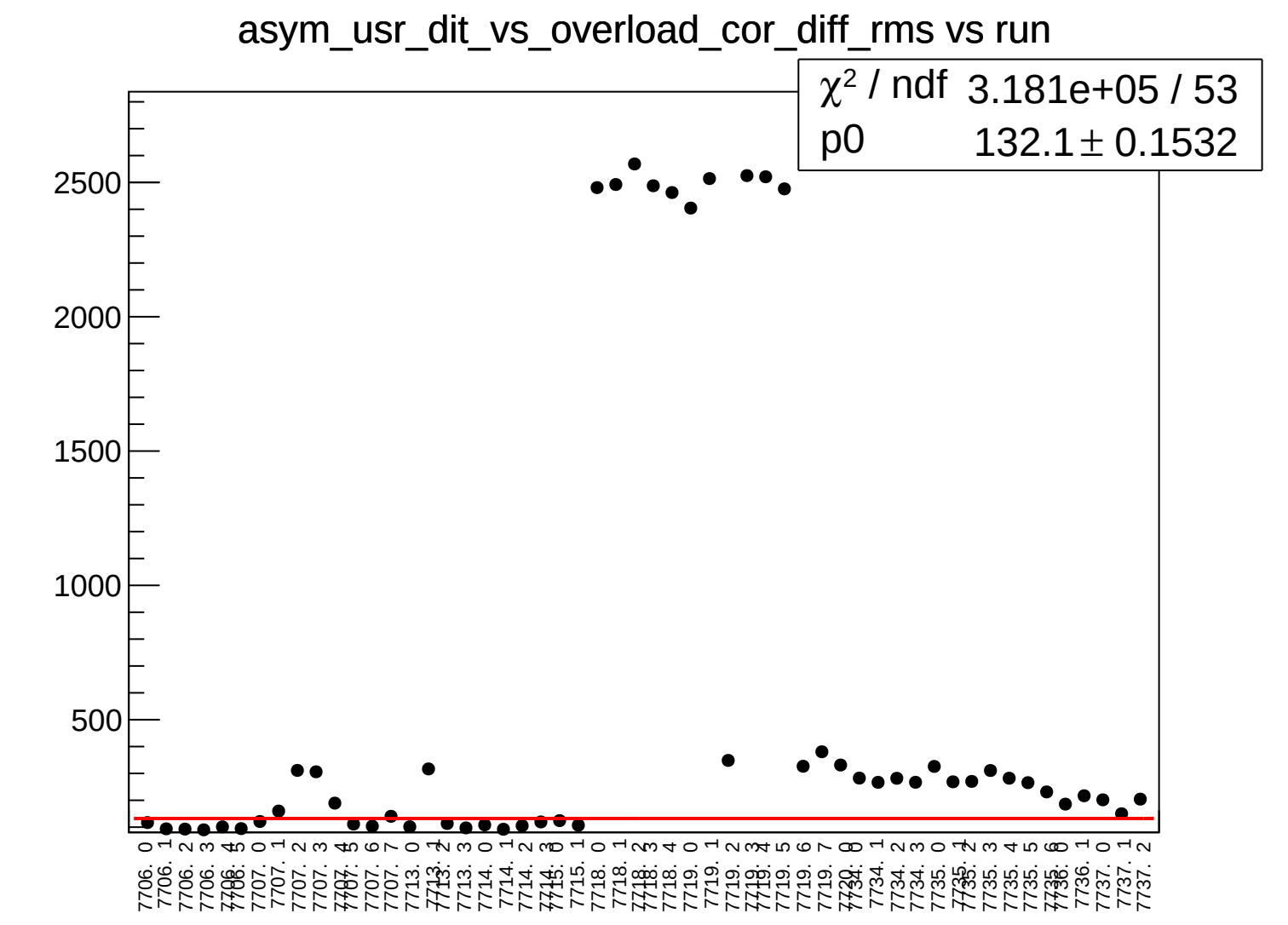

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.17 / 53
p0 −0.06071 ± 0.1926
pull
Entries 54
Mean 14.96
Std Dev 0

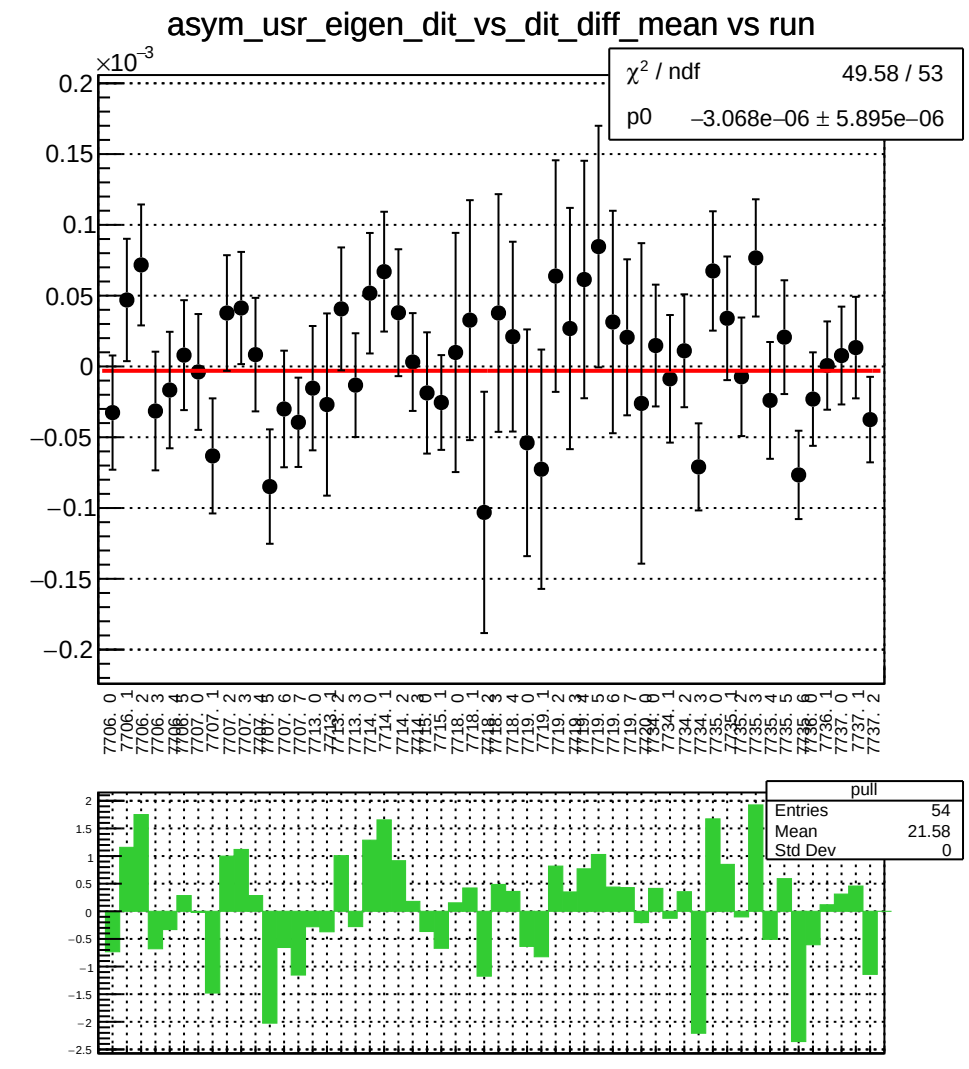

pull1D
Entries 54
Mean −0.04378
Std Dev 0.8505

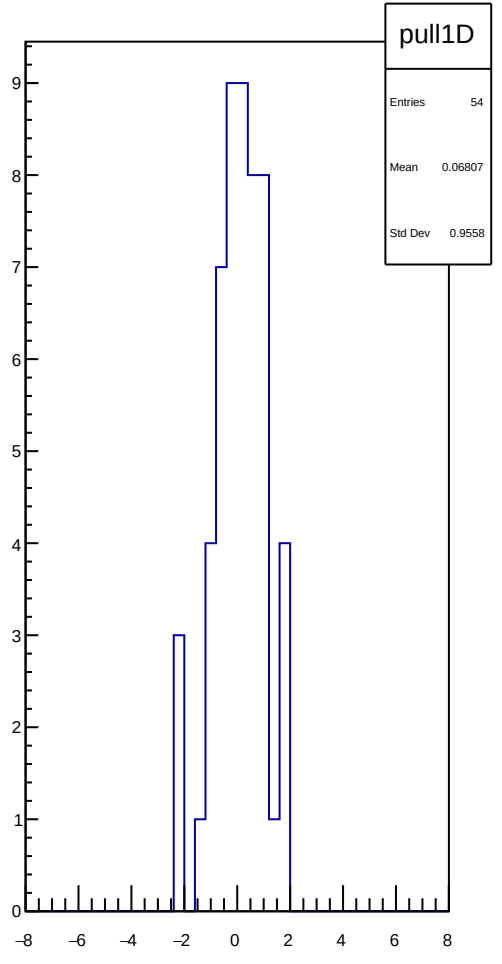

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 122.4 ± 0.1362
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

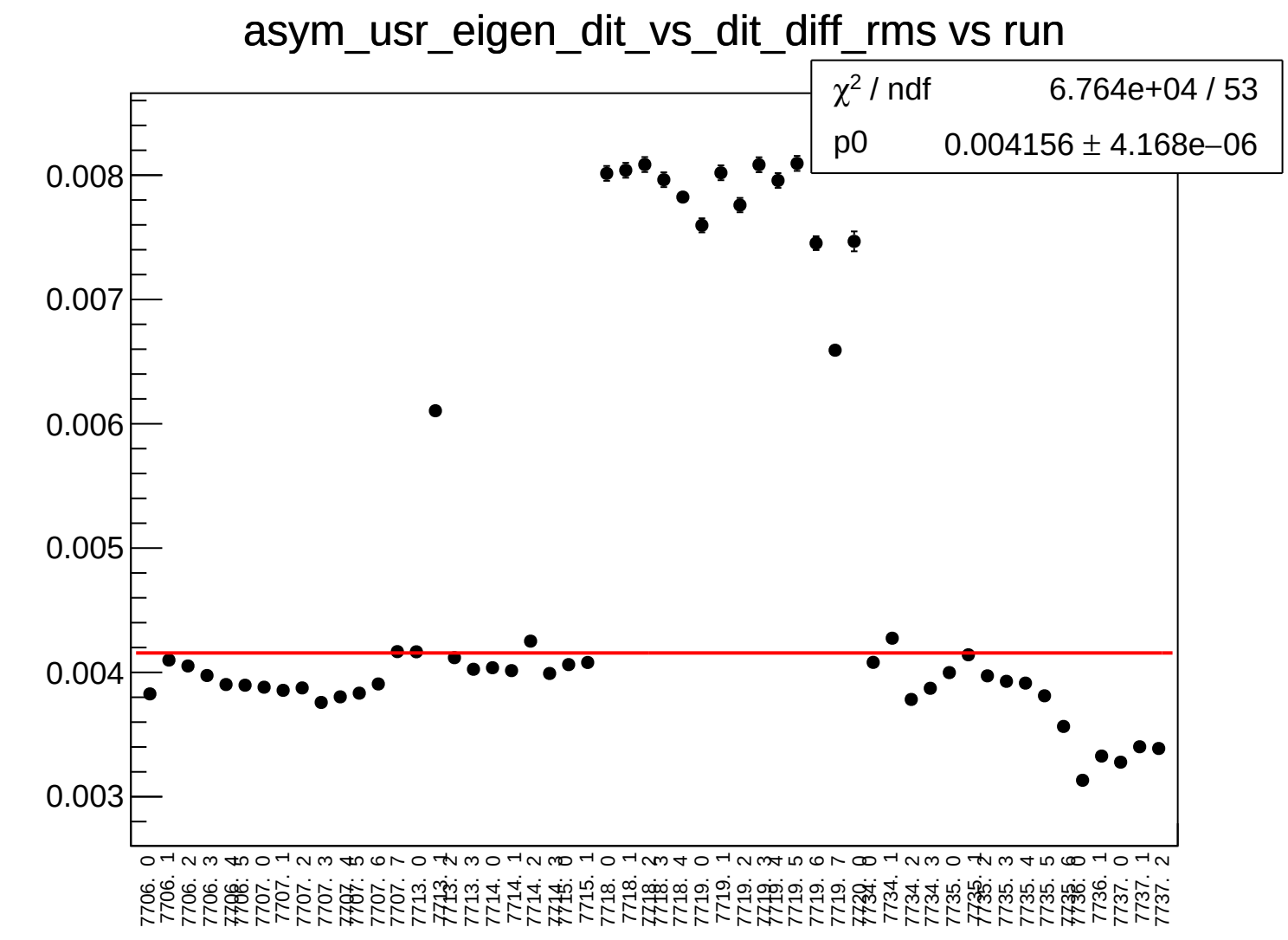

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 43.3 / 53
p0 0.1004 ± 0.2167
pull
Entries 54
Mean 32.45
Std Dev 0

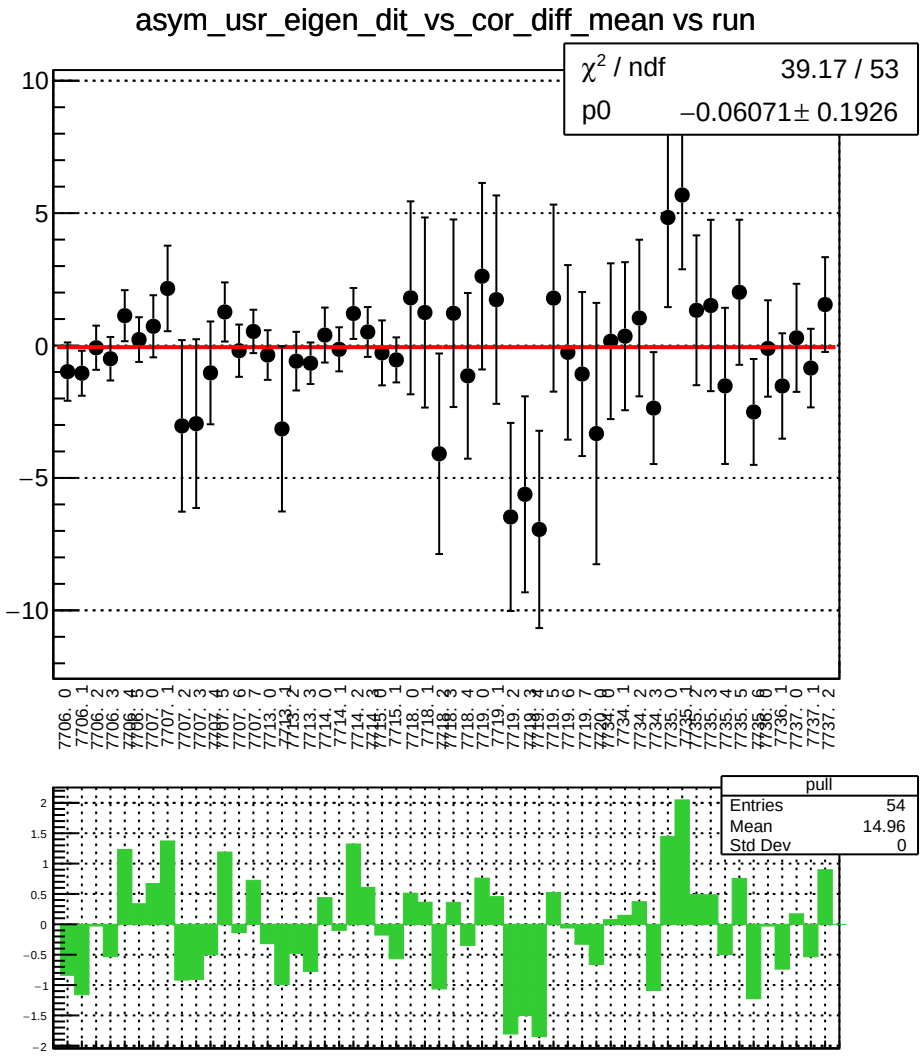

pull1D
Entries 54
Mean −0.04643
Std Dev 0.8943

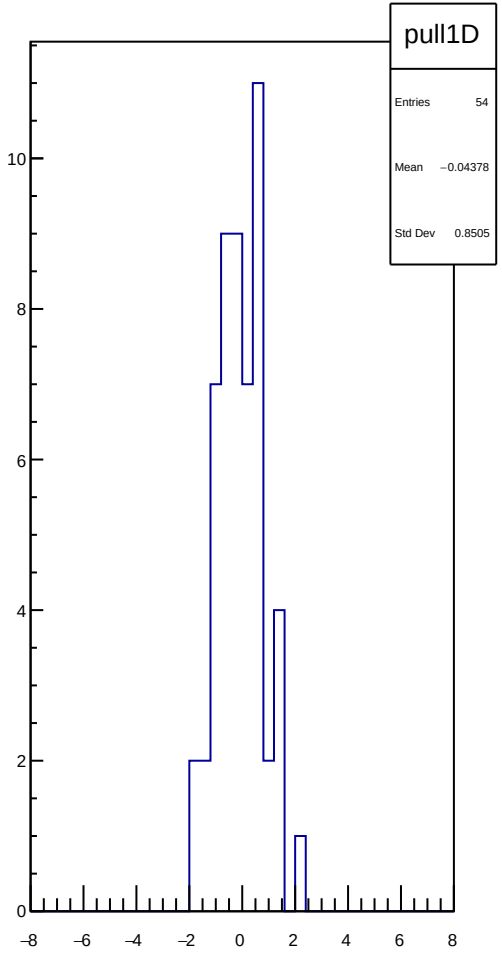

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.181e+05 / 53
p0 132.1 ± 0.1532
2500
2000
1500
1000
500

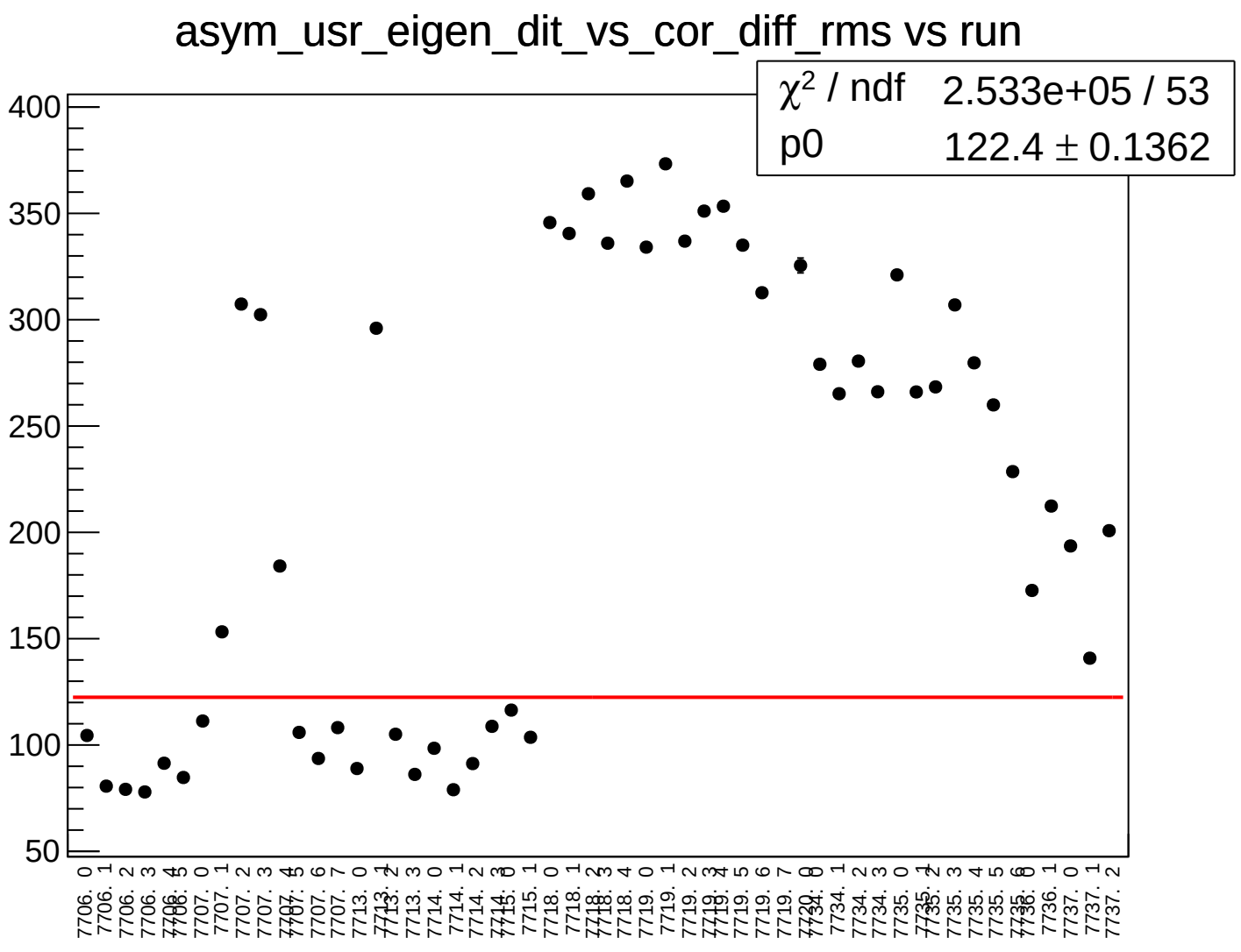

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.58 / 53
p0 −3.068e−06 ± 5.895e−06
pull
Entries 54
Mean 21.58
Std Dev 0

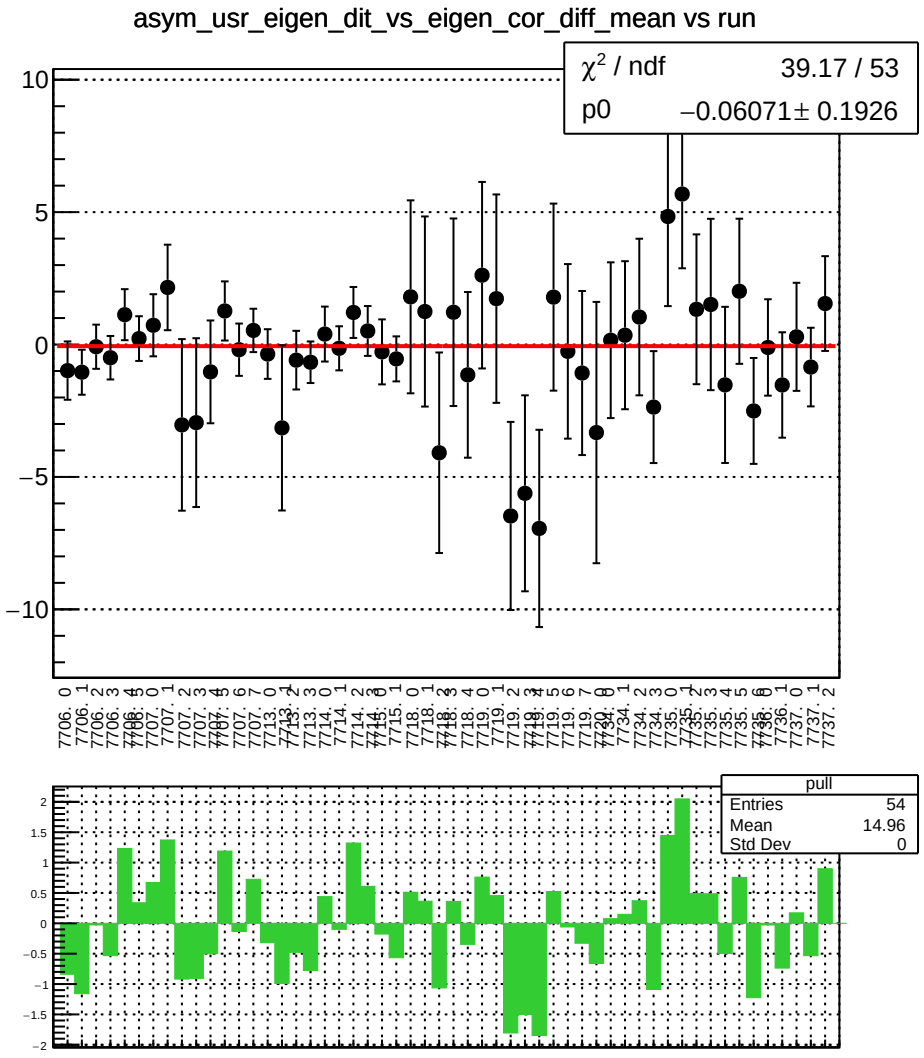

pull1D
Entries 54
Mean 0.06807
Std Dev 0.9558

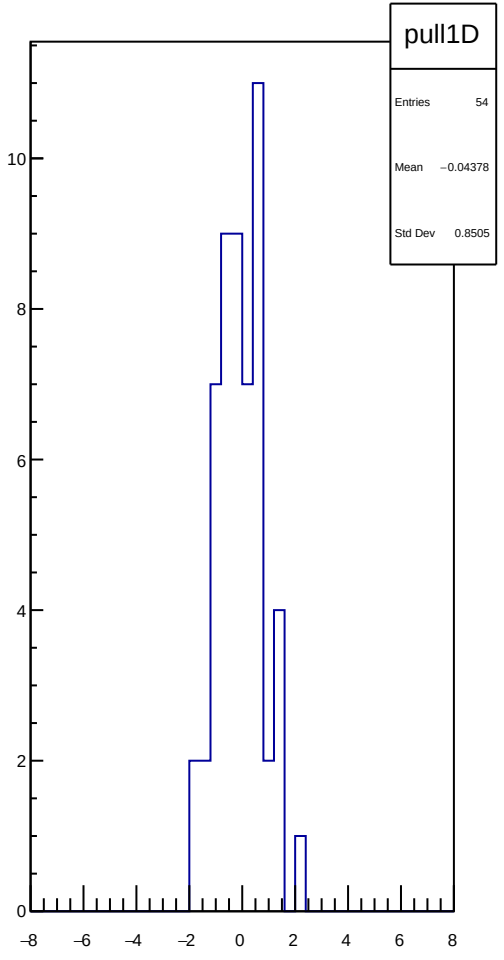

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.764e+04 / 53
p0 0.004156 ± 4.168e−06
0.008
0.007
0.006
0.005
0.004
0.003

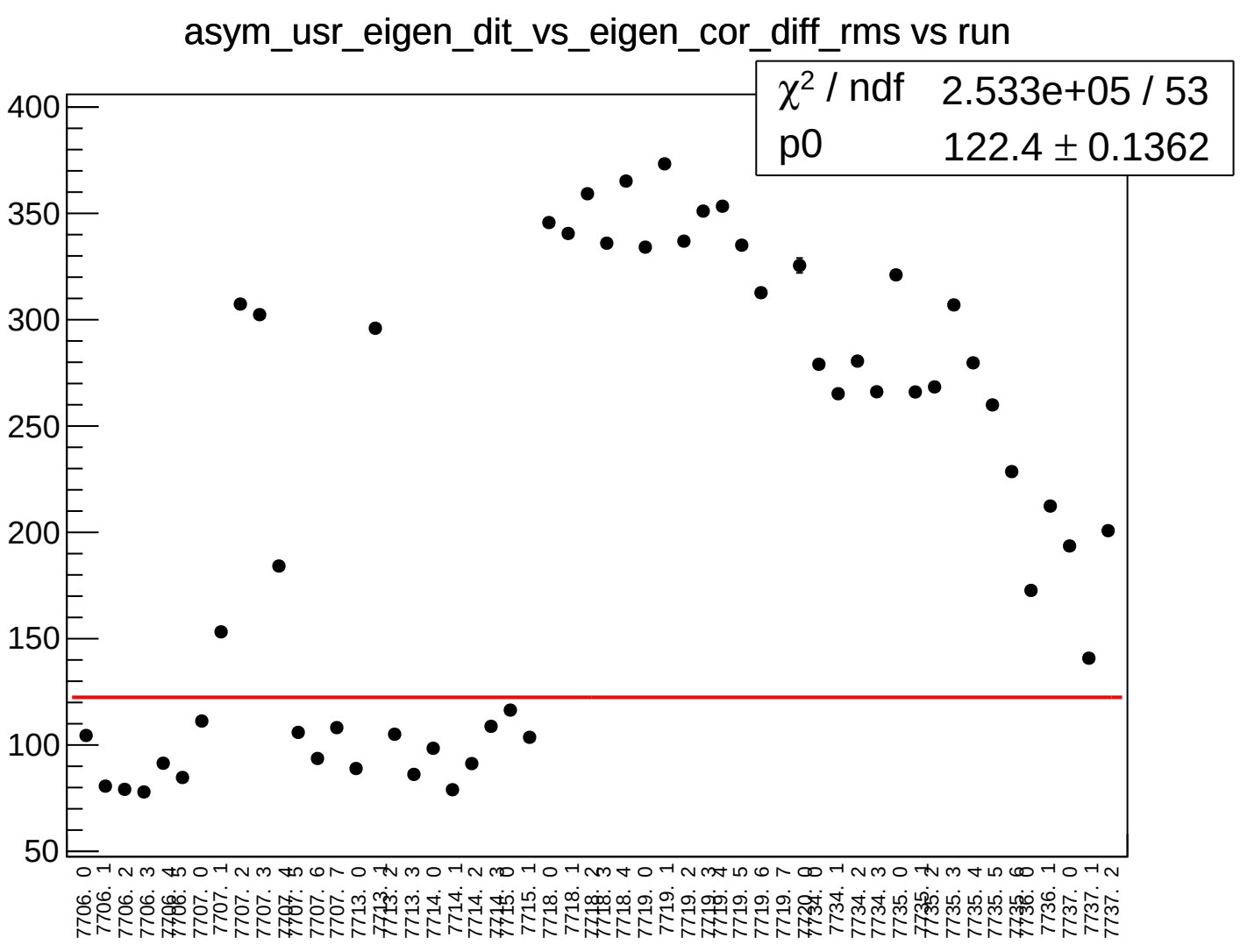

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.17 / 53
p0 −0.06071± 0.1926
pull
Entries 54
Mean 14.96
Std Dev 0

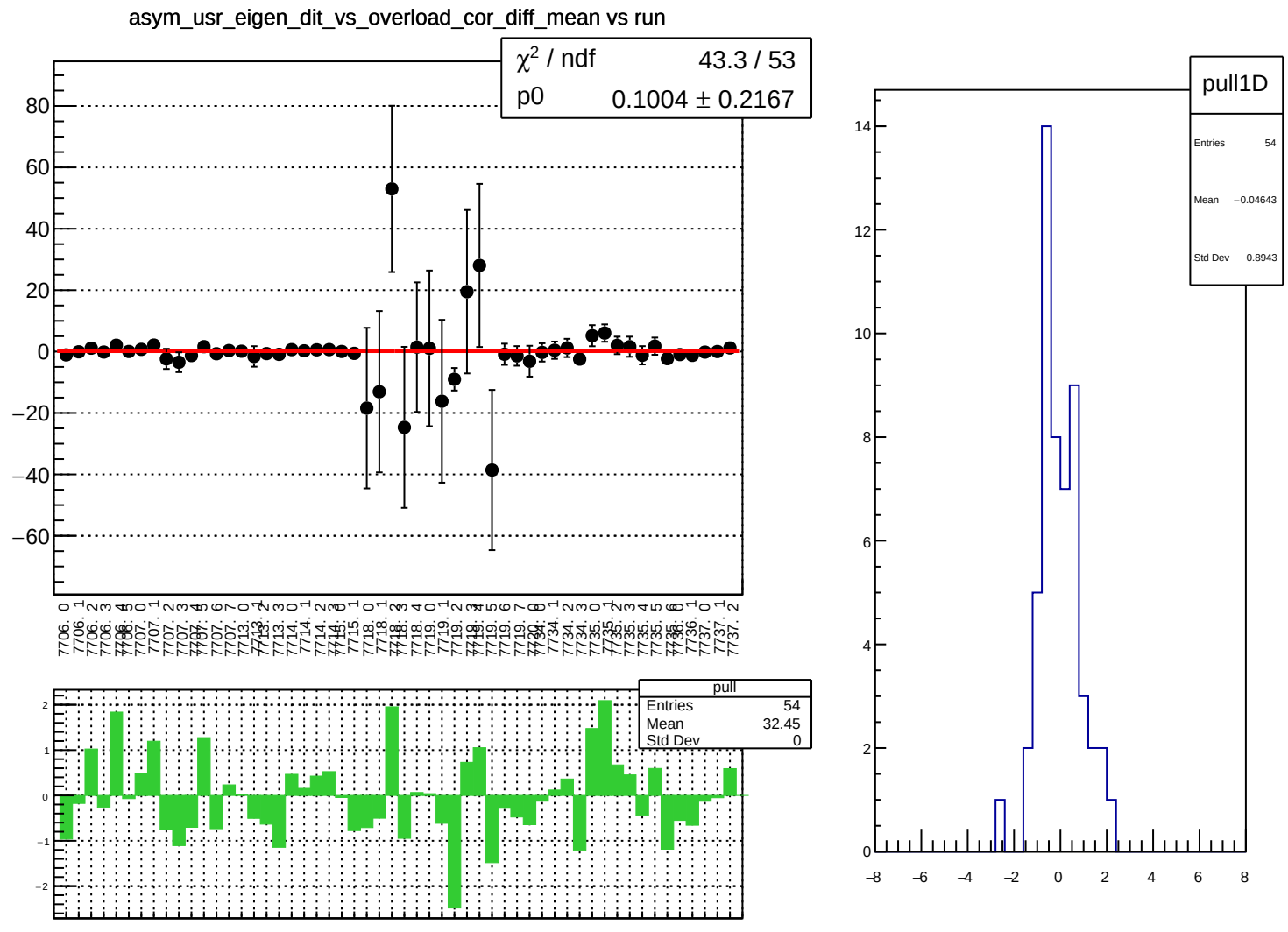

pull1D
Entries 54
Mean −0.04378
Std Dev 0.8505

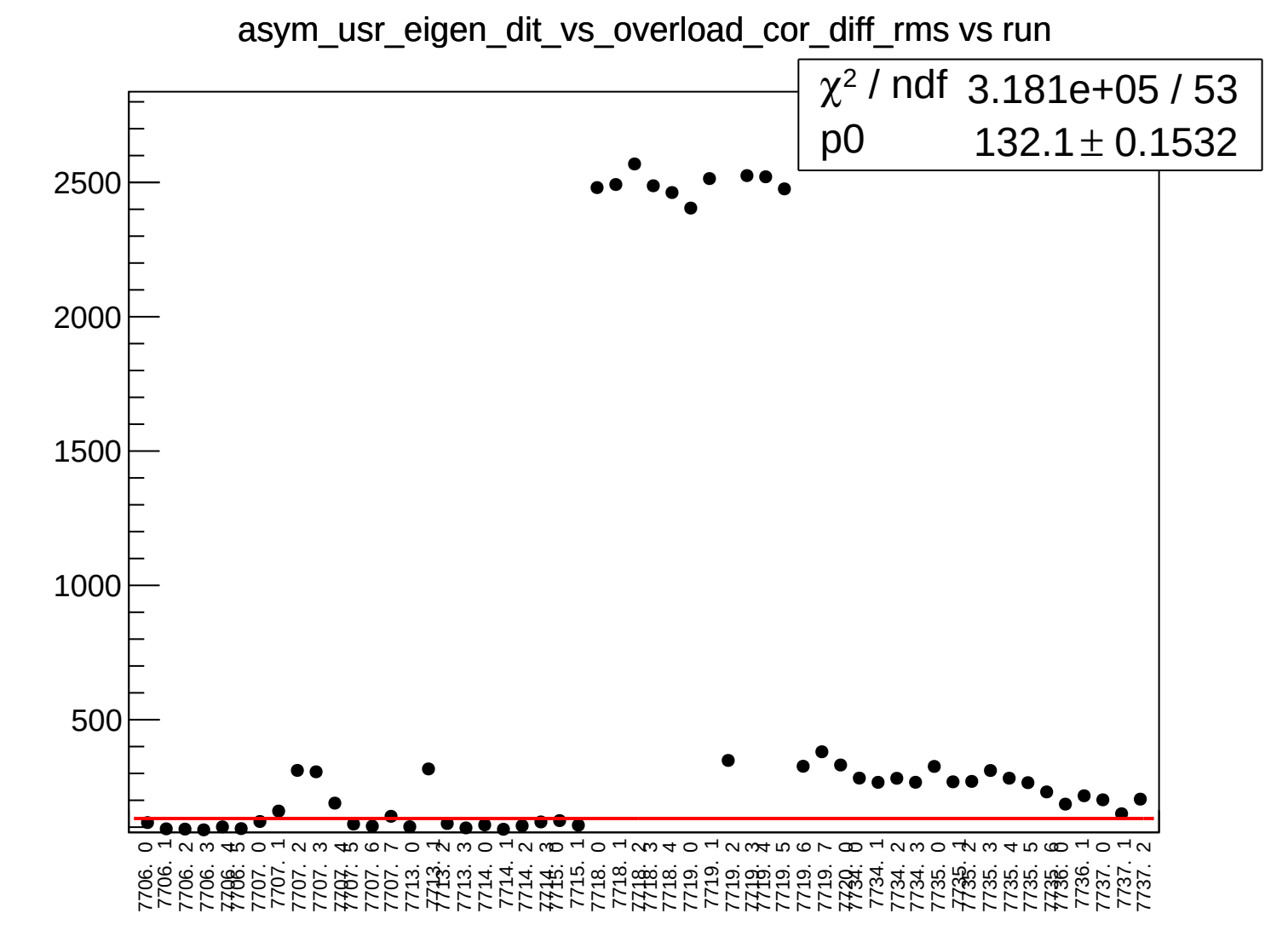

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 122.4 ± 0.1362
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

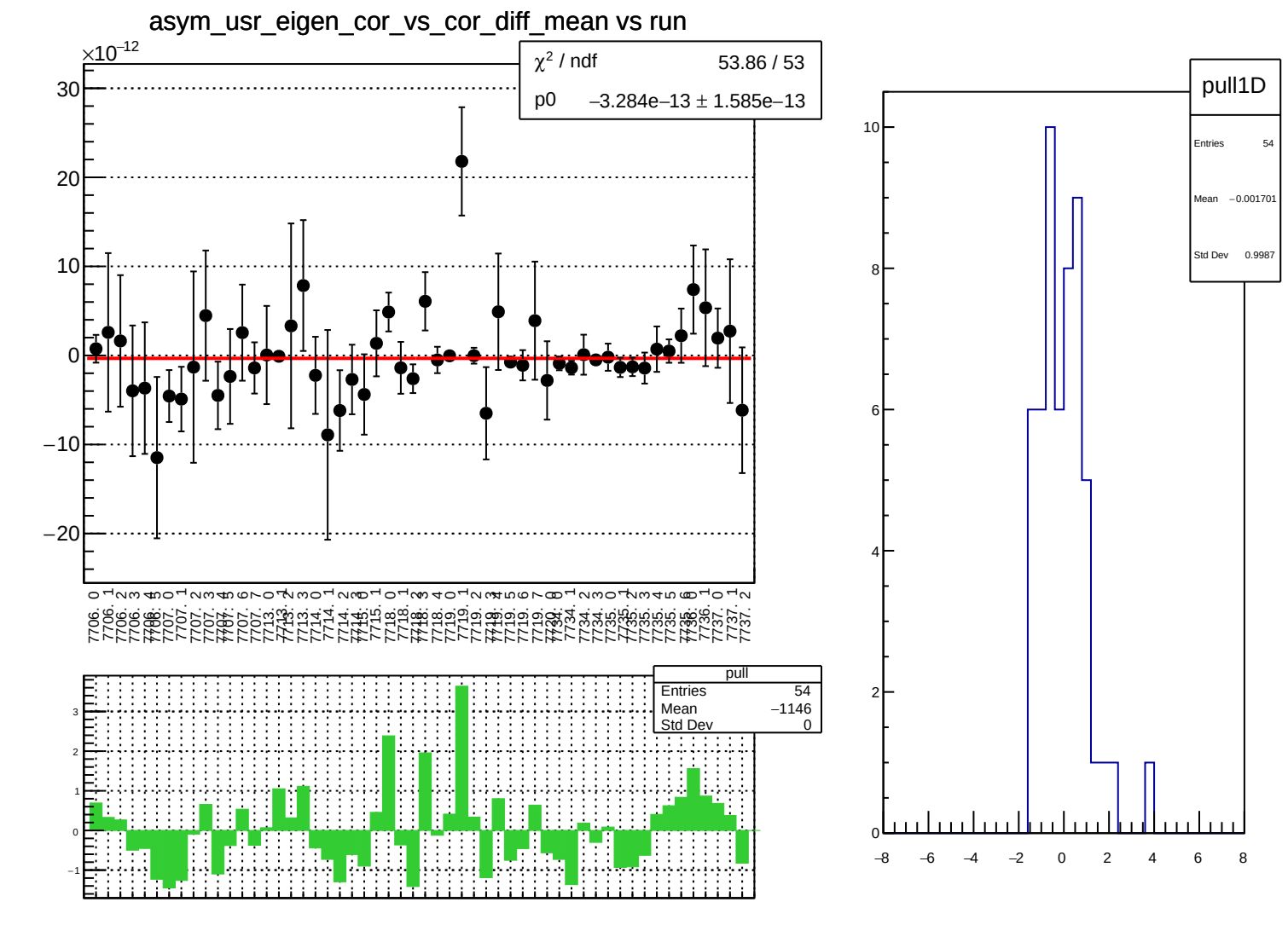

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.17 / 53
p0 −0.06071± 0.1926
pull
Entries 54
Mean 14.96
Std Dev 0

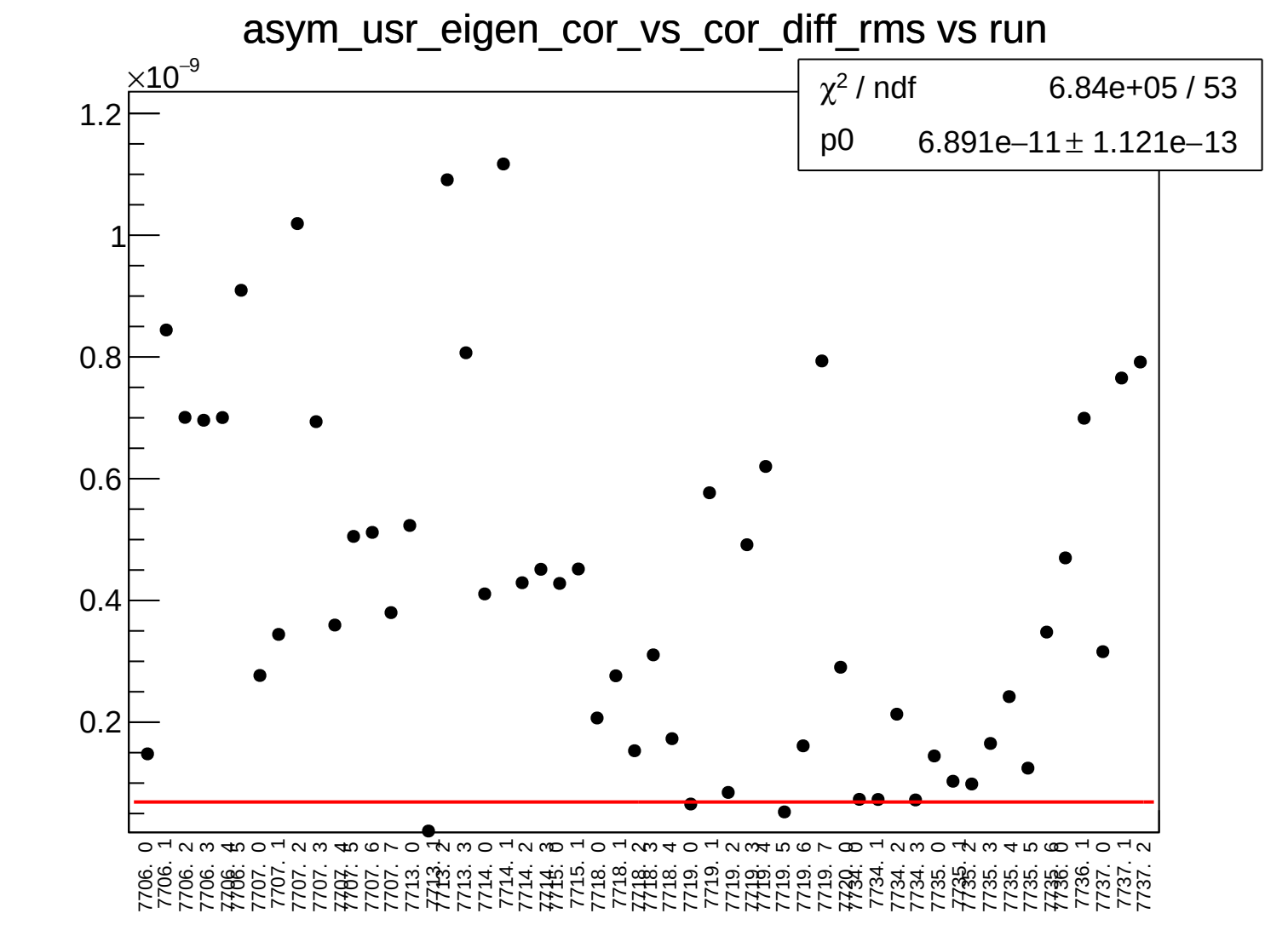

pull1D
Entries 54
Mean −0.04378
Std Dev 0.8505

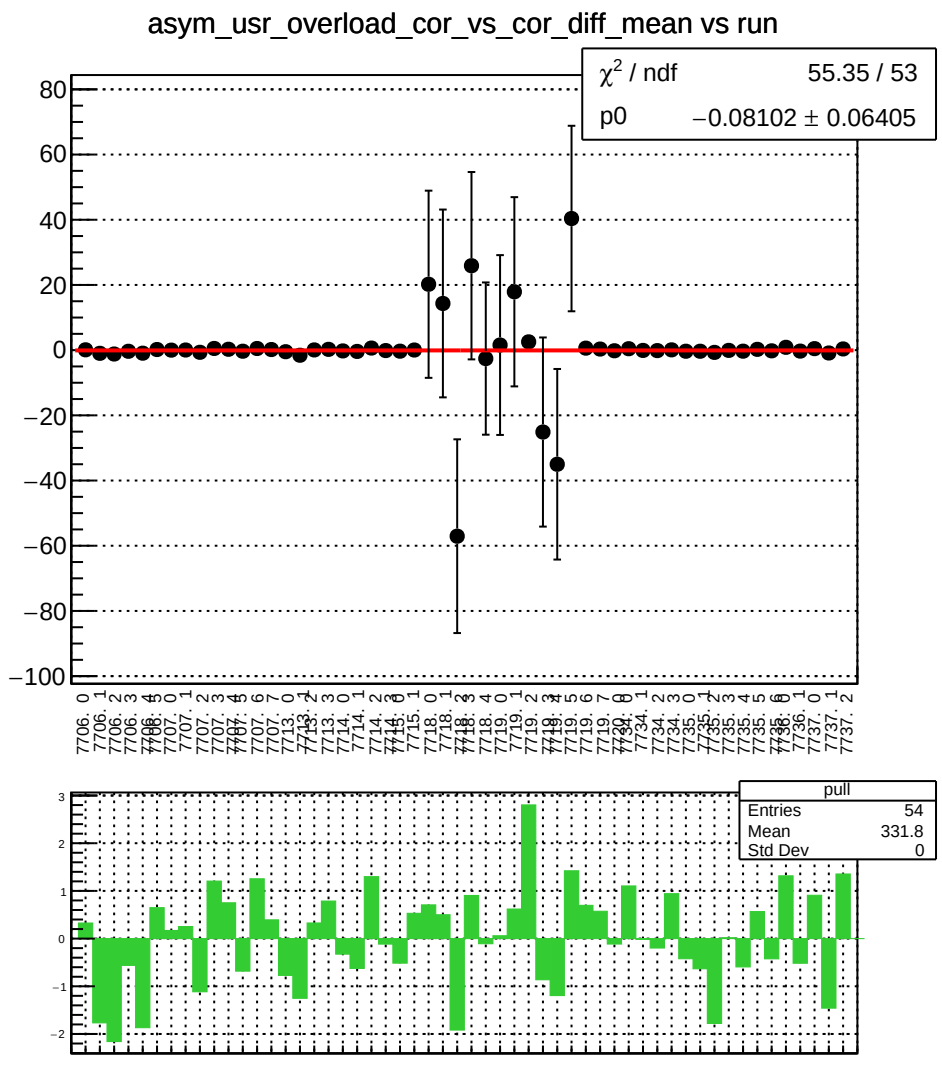

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.533e+05 / 53
p0 122.4 ± 0.1362
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

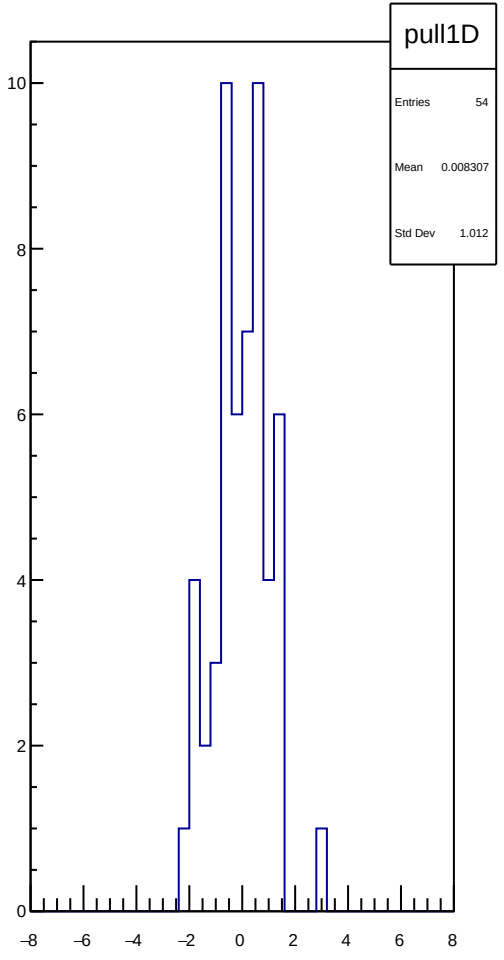

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 43.3 / 53
p0 0.1004 ± 0.2167
pull
Entries 54
Mean 32.45
Std Dev 0
pull1D
Entries 54
Mean −0.04643
Std Dev 0.8943

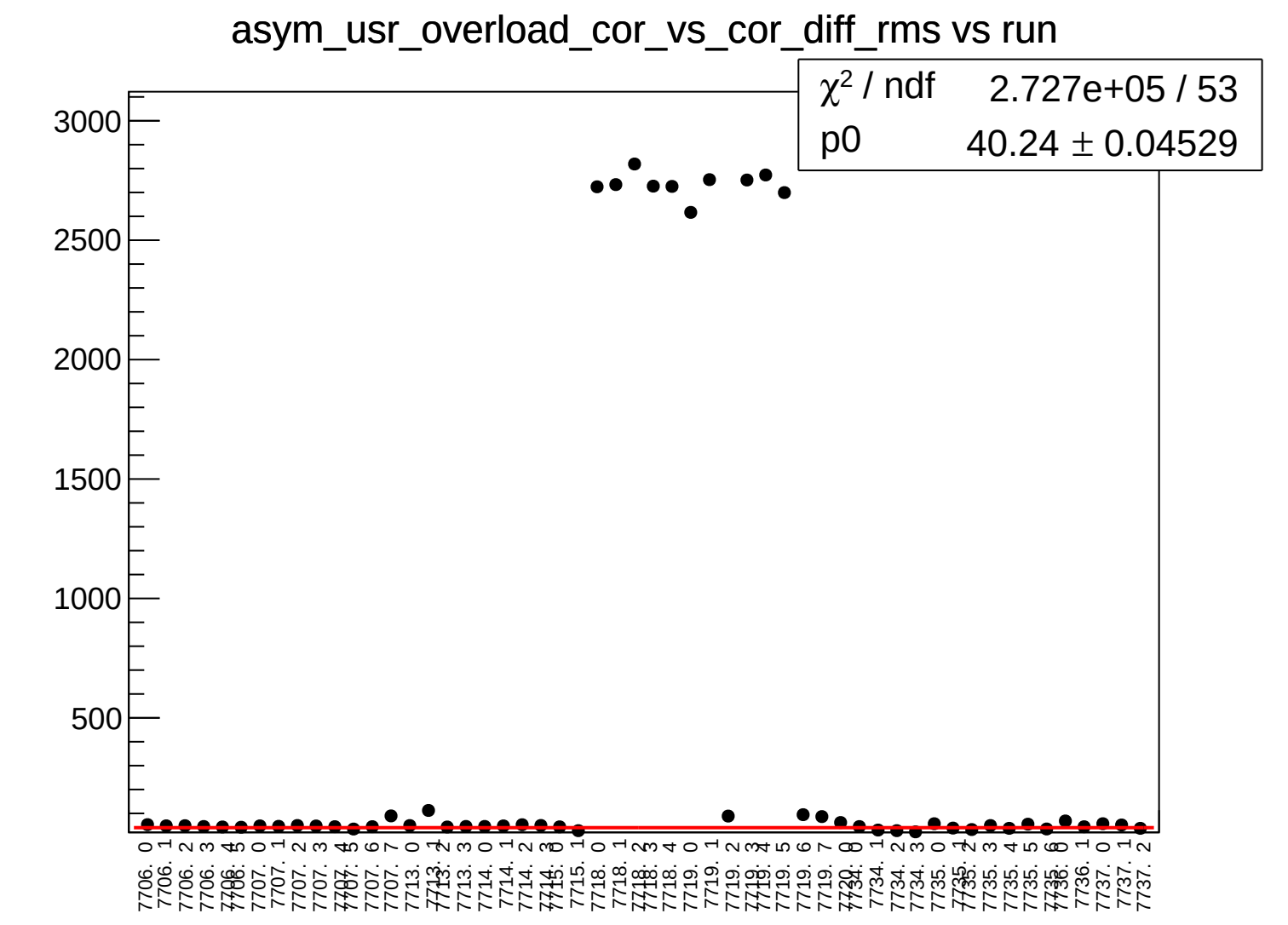

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.181e+05 / 53
p0 132.1 ± 0.1532
2500
2000
1500
1000
500

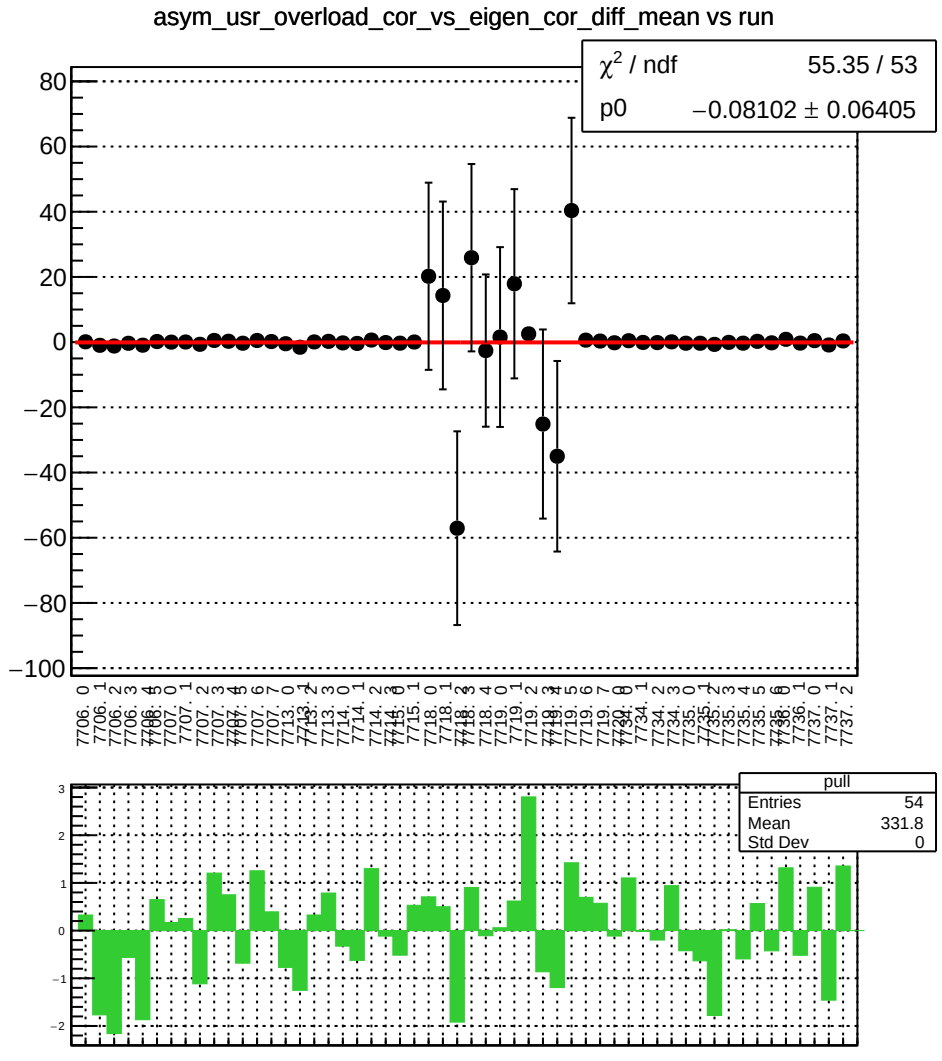

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.86 / 53
p0 −3.284e−13 ± 1.585e−13
30
20
10
0
−10
−20
pull
Entries 54
Mean −1146
Std Dev 0
3
2
1
0
−1
pull1D
Entries 54
Mean −0.001701
Std Dev 0.9987
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

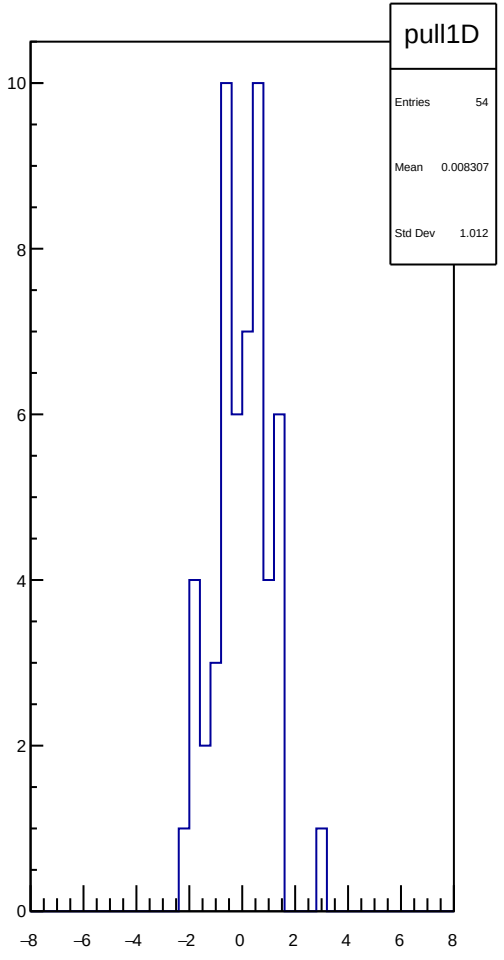

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.84e+05 / 53
p0 6.891e−11 ± 1.121e−13
1.2
1
0.8
0.6
0.4
0.2

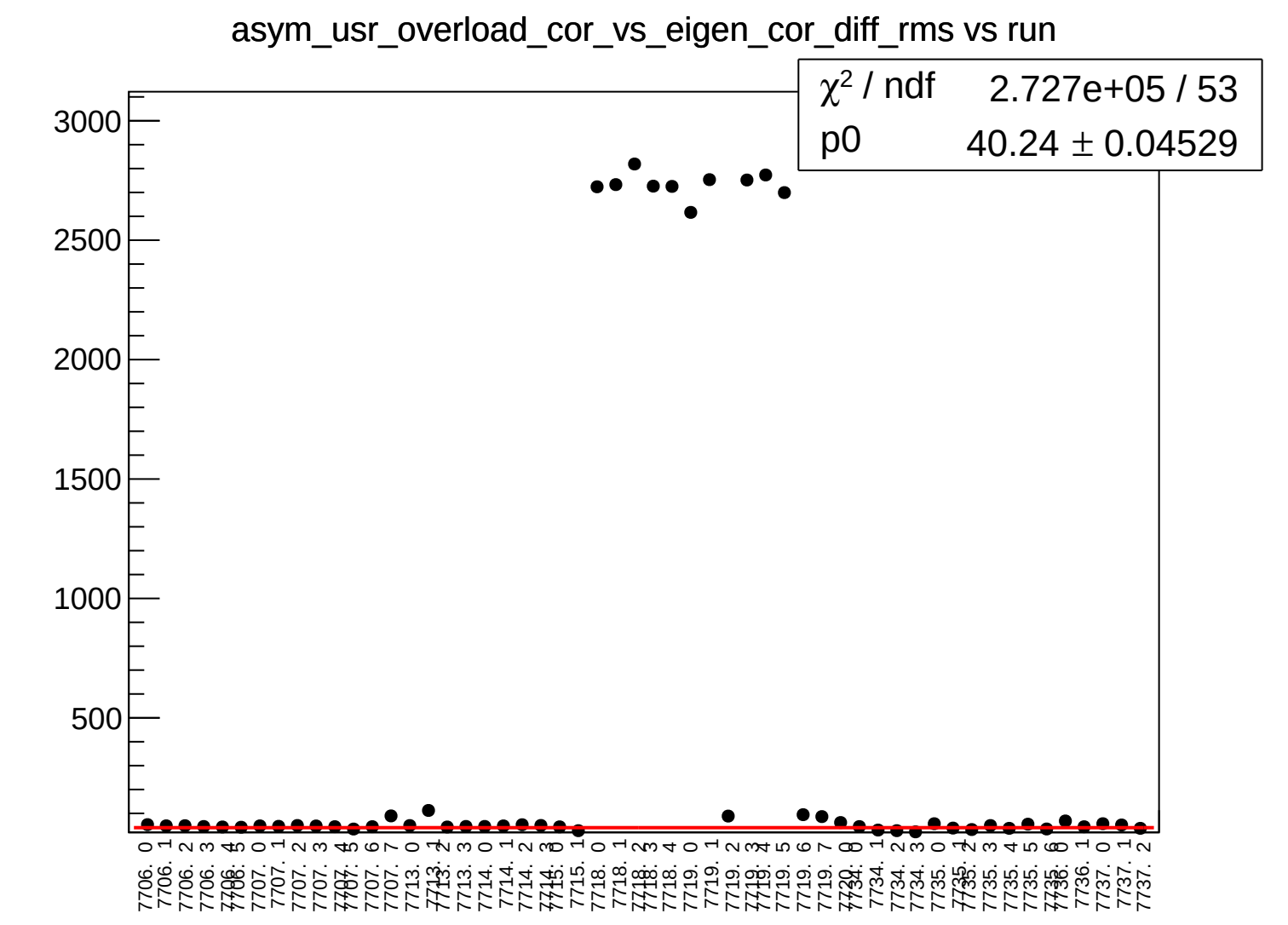

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 55.35 / 53
p0 −0.08102 ± 0.06405
pull
Entries 54
Mean 331.8
Std Dev 0

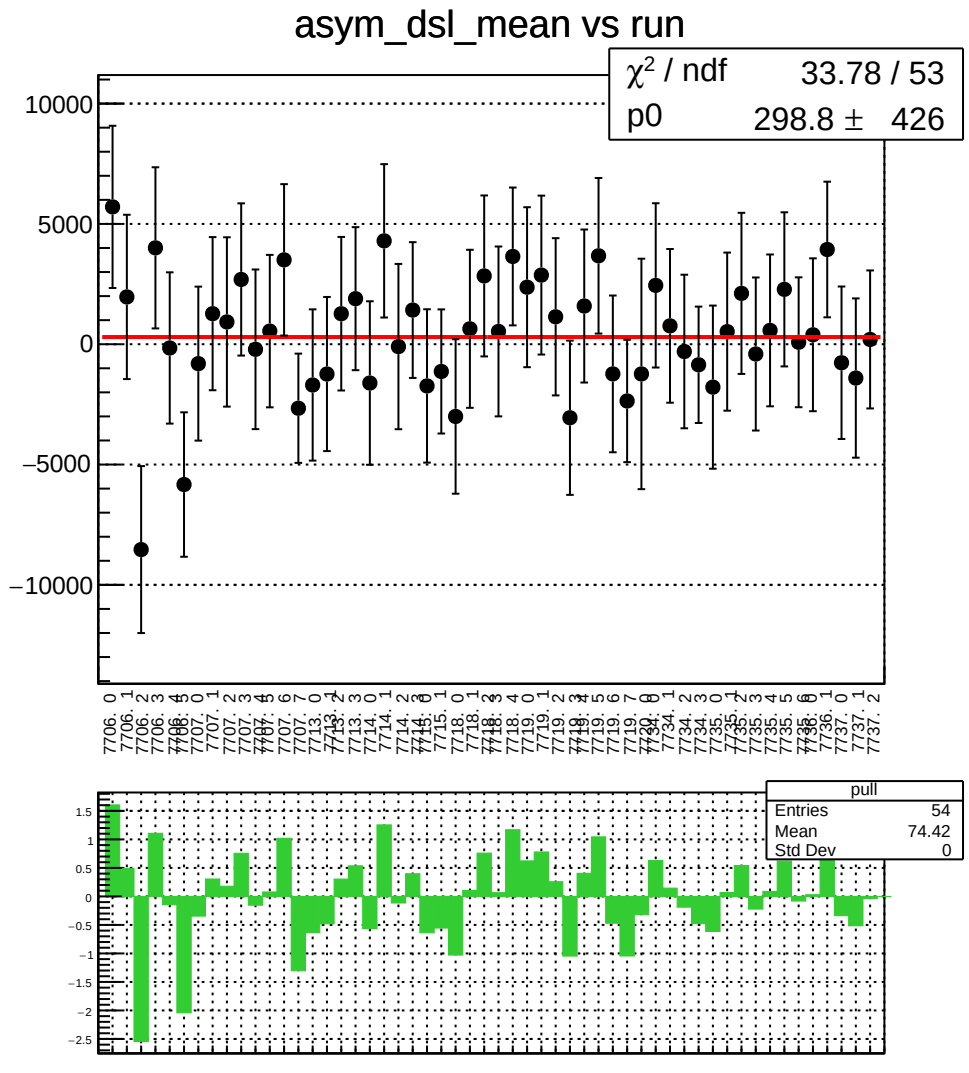

pull1D
Entries 54
Mean 0.008307
Std Dev 1.012

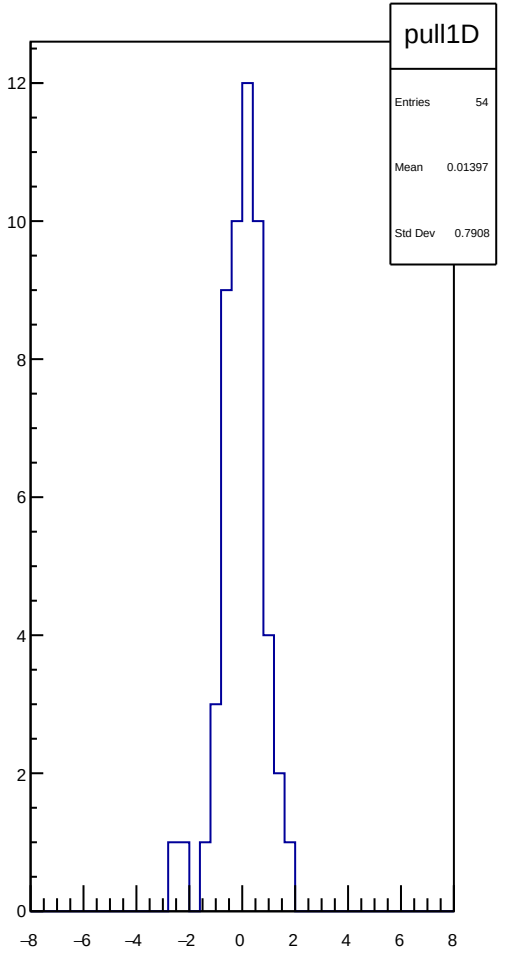

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.727e+05 / 53
p0 40.24 ± 0.04529
3000
2500
2000
1500
1000
500

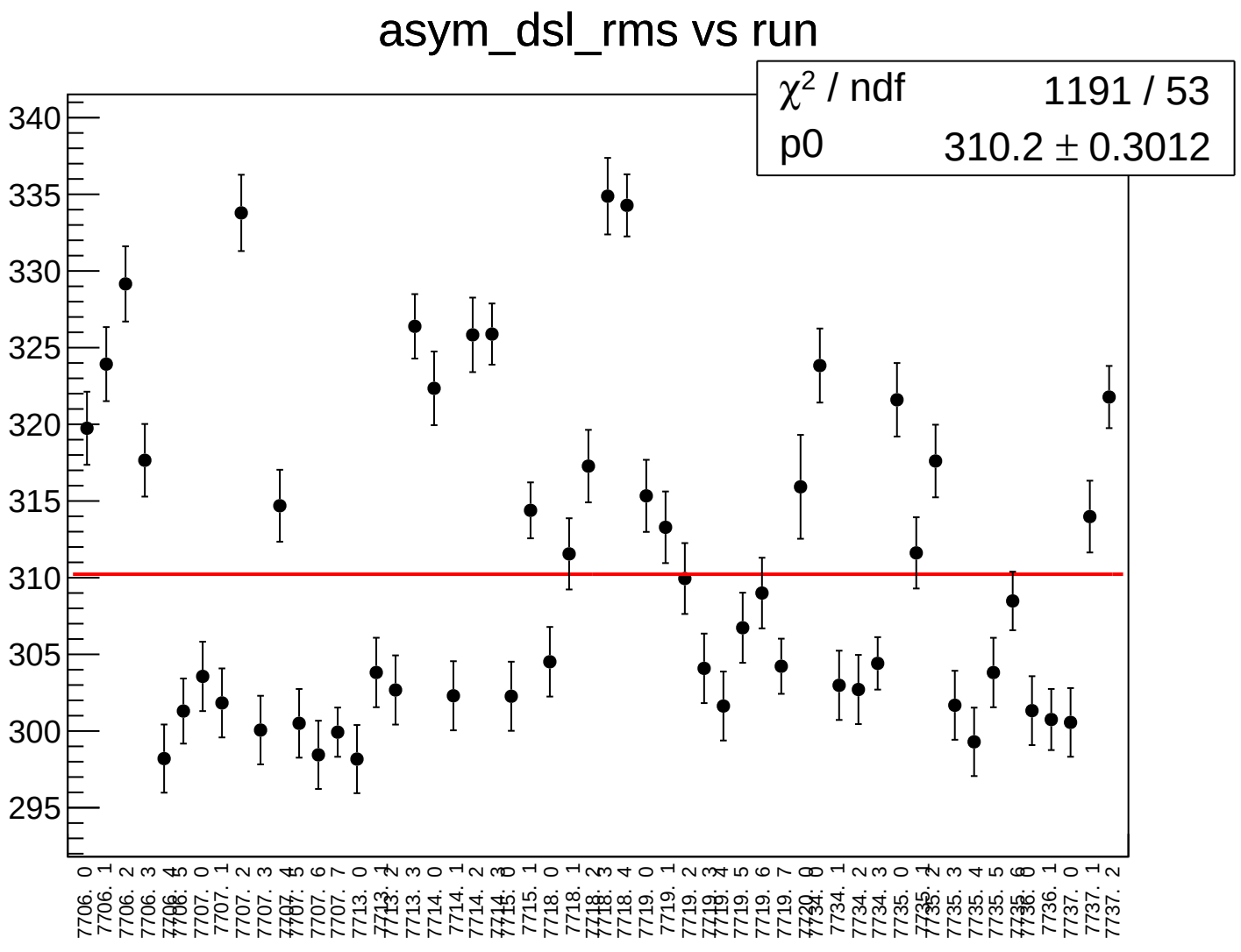

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.35 / 53
p0 −0.08102 ± 0.06405
pull
Entries 54
Mean 331.8
Std Dev 0

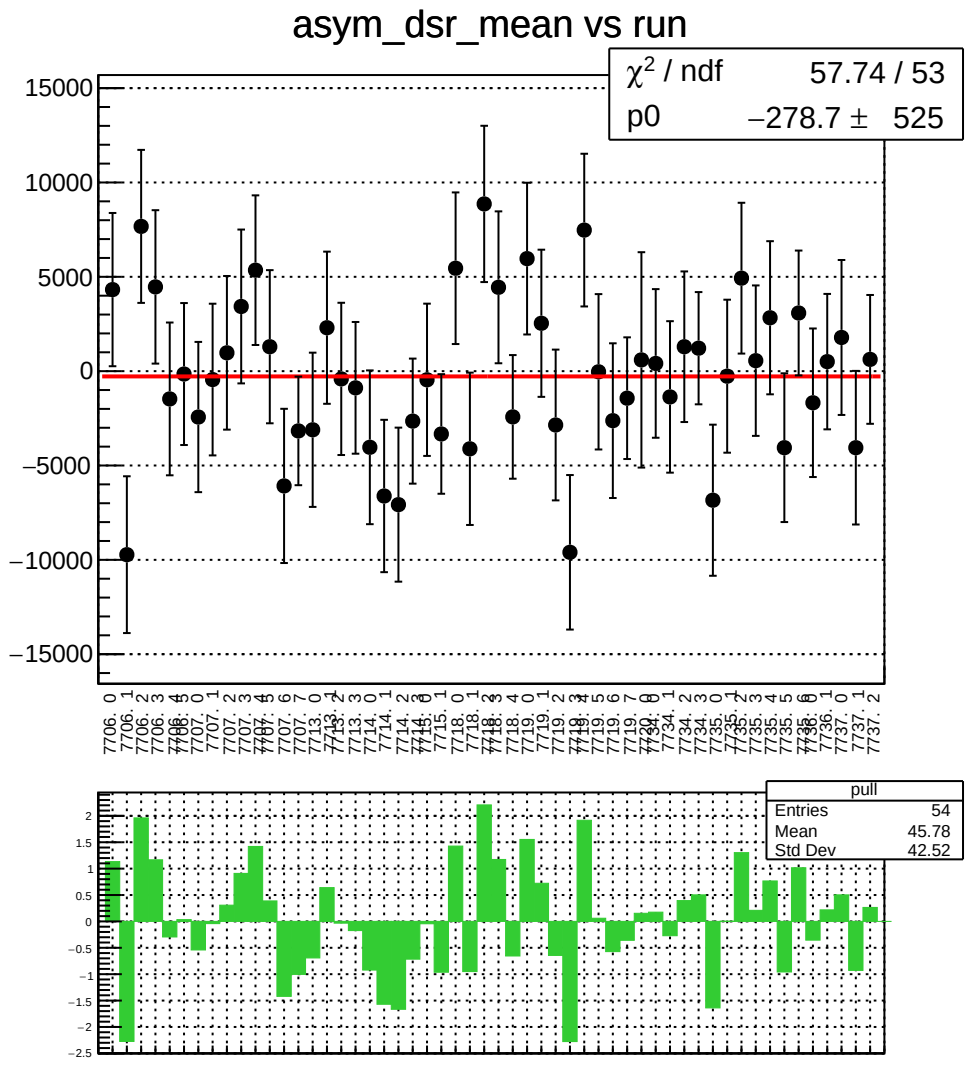

pull1D
Entries 54
Mean 0.008307
Std Dev 1.012

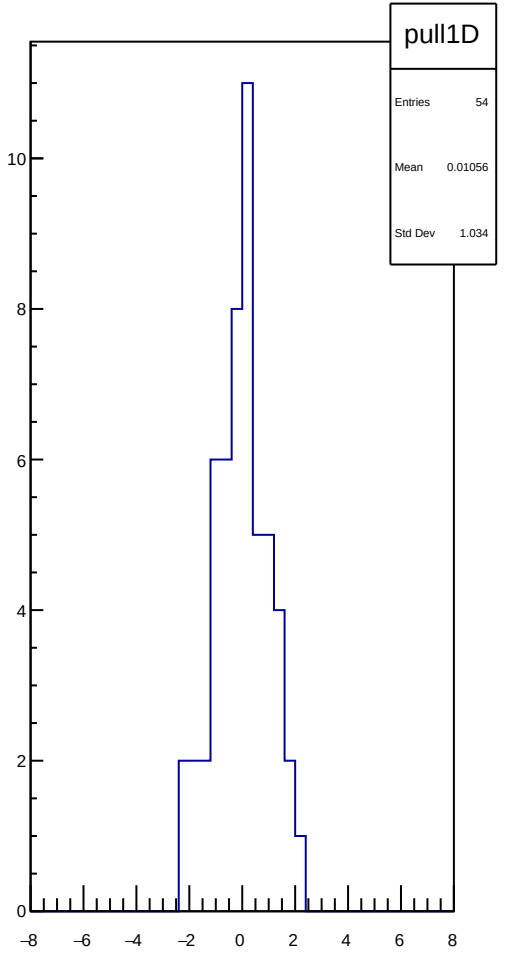

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.727e+05 / 53
p0 40.24 ± 0.04529
3000
2500
2000
1500
1000
500

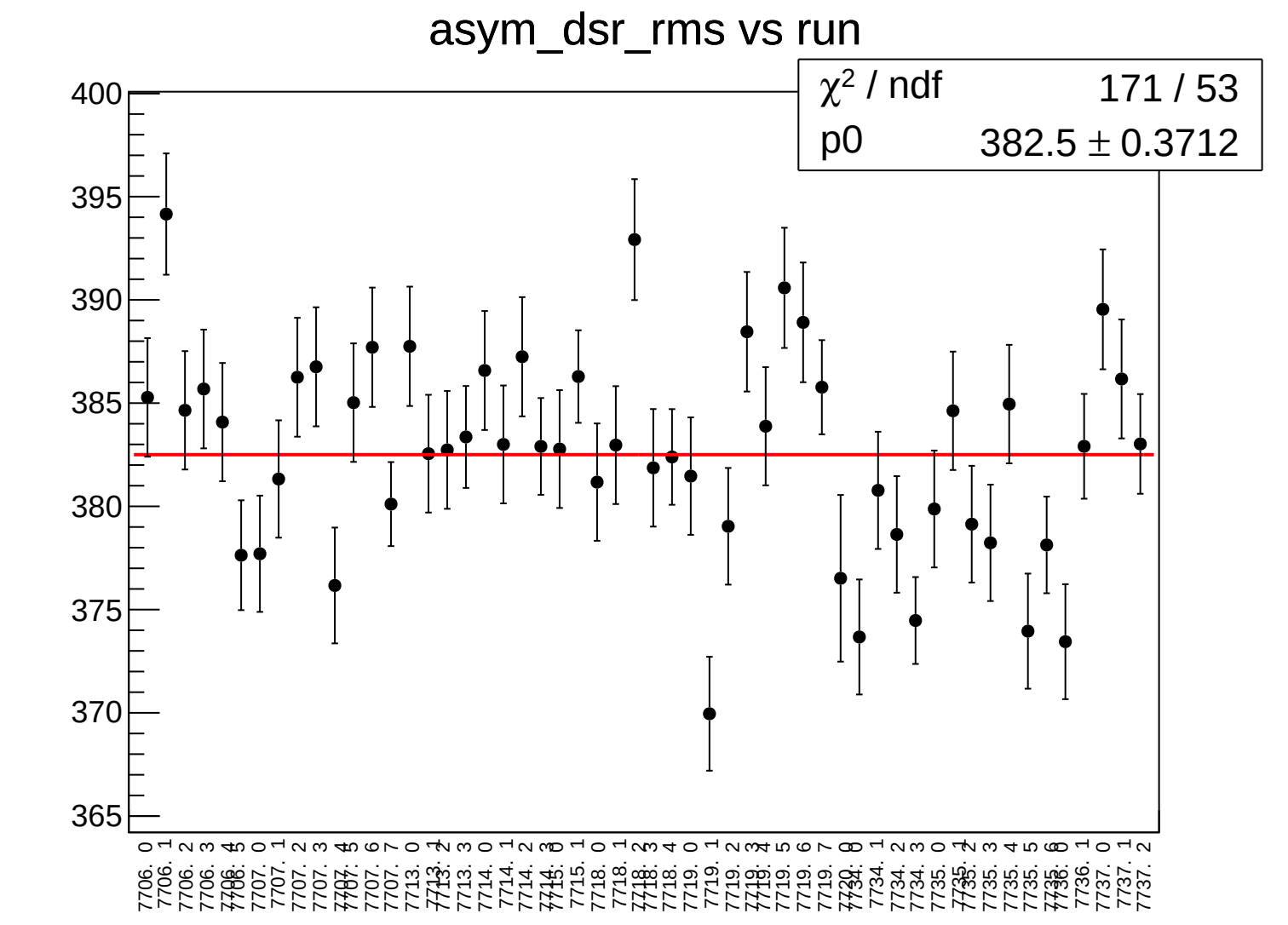

asym_dsl_mean vs run
χ² / ndf 33.78 / 53
p0 298.8 ± 426
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 74.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

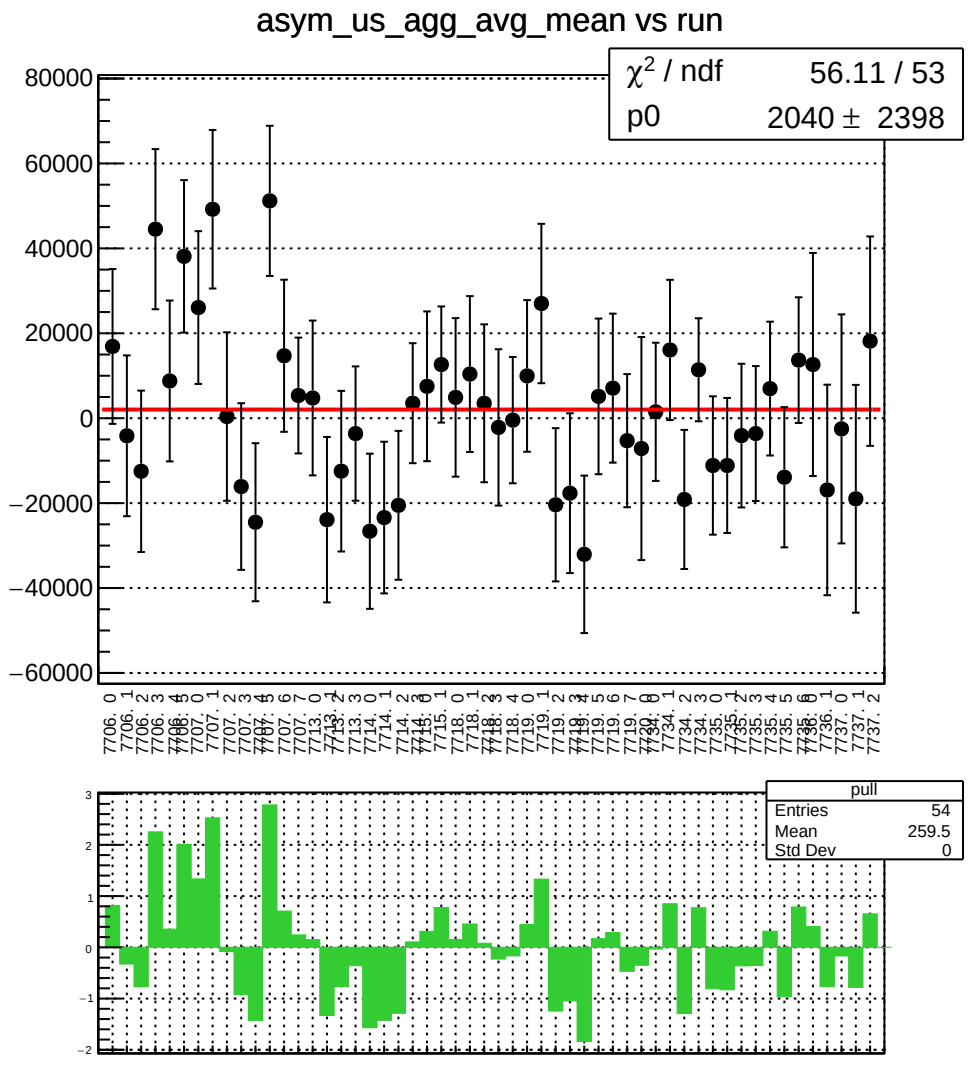

pull1D
Entries 54
Mean 0.01397
Std Dev 0.7908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

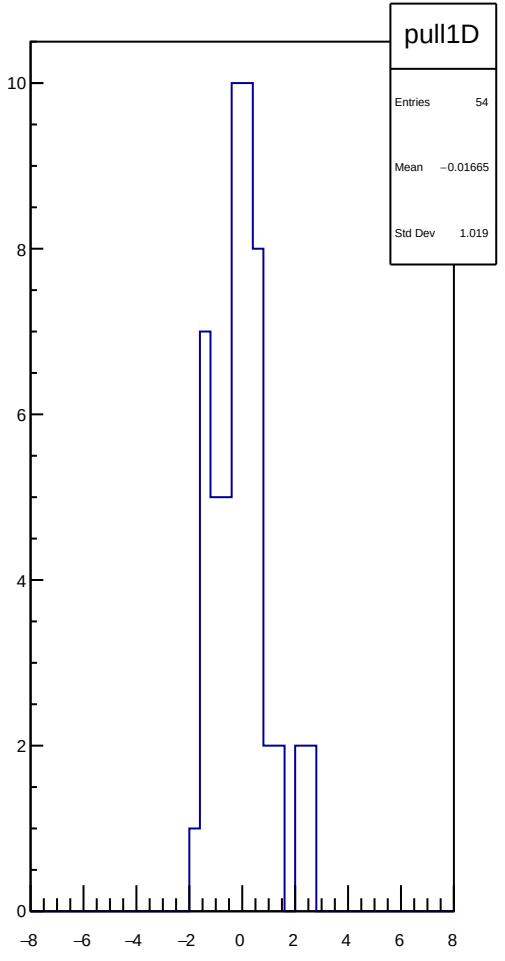

asym_dsl_rms vs run
χ^2 / ndf 1191 / 53
p0 310.2 ± 0.3012
340
335
330
325
320
315
310
305
300
295
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

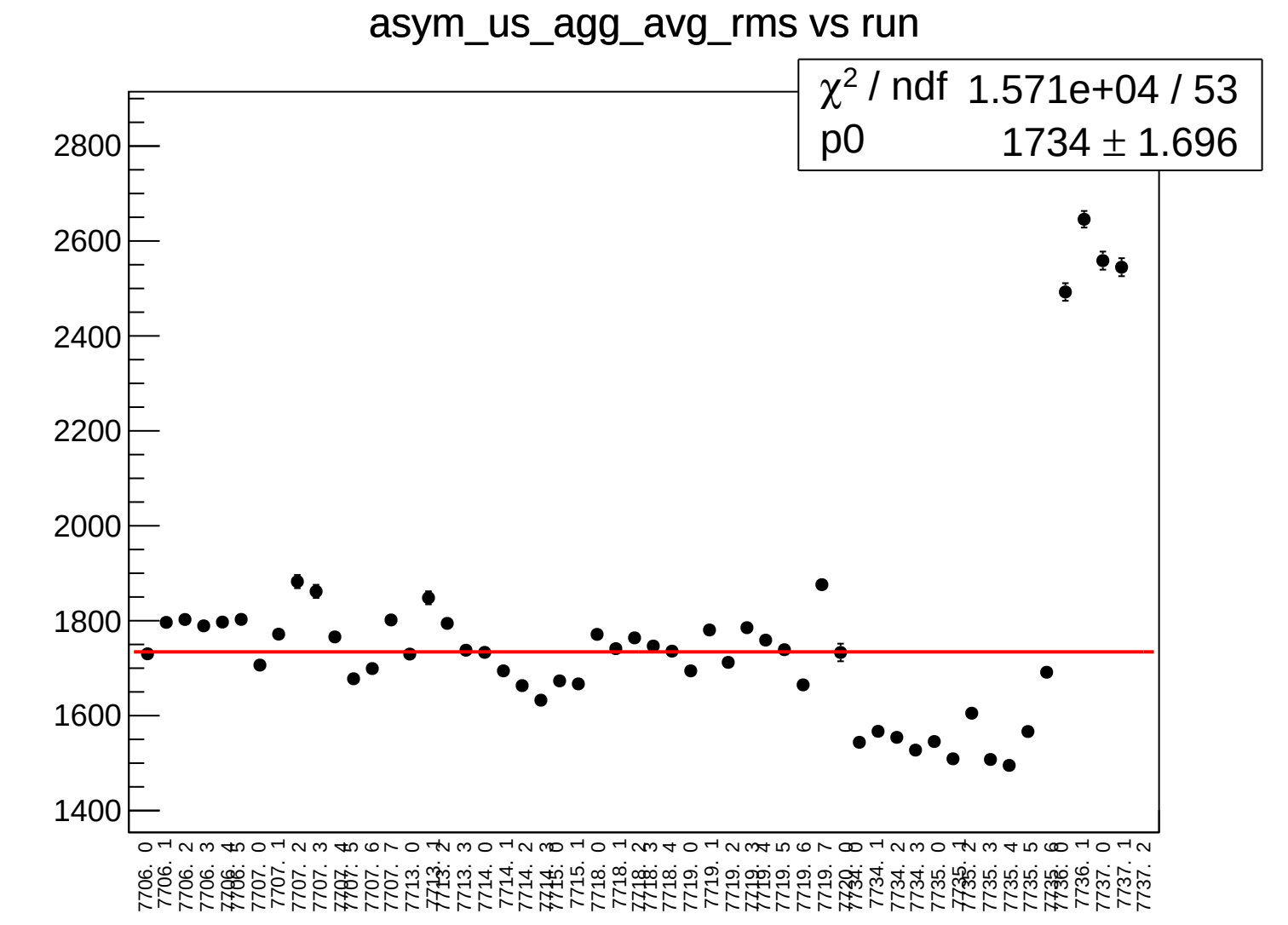

asym_dsr_mean vs run
χ² / ndf 57.74 / 53
p0 −278.7 ± 525
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 45.78
Std Dev 42.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

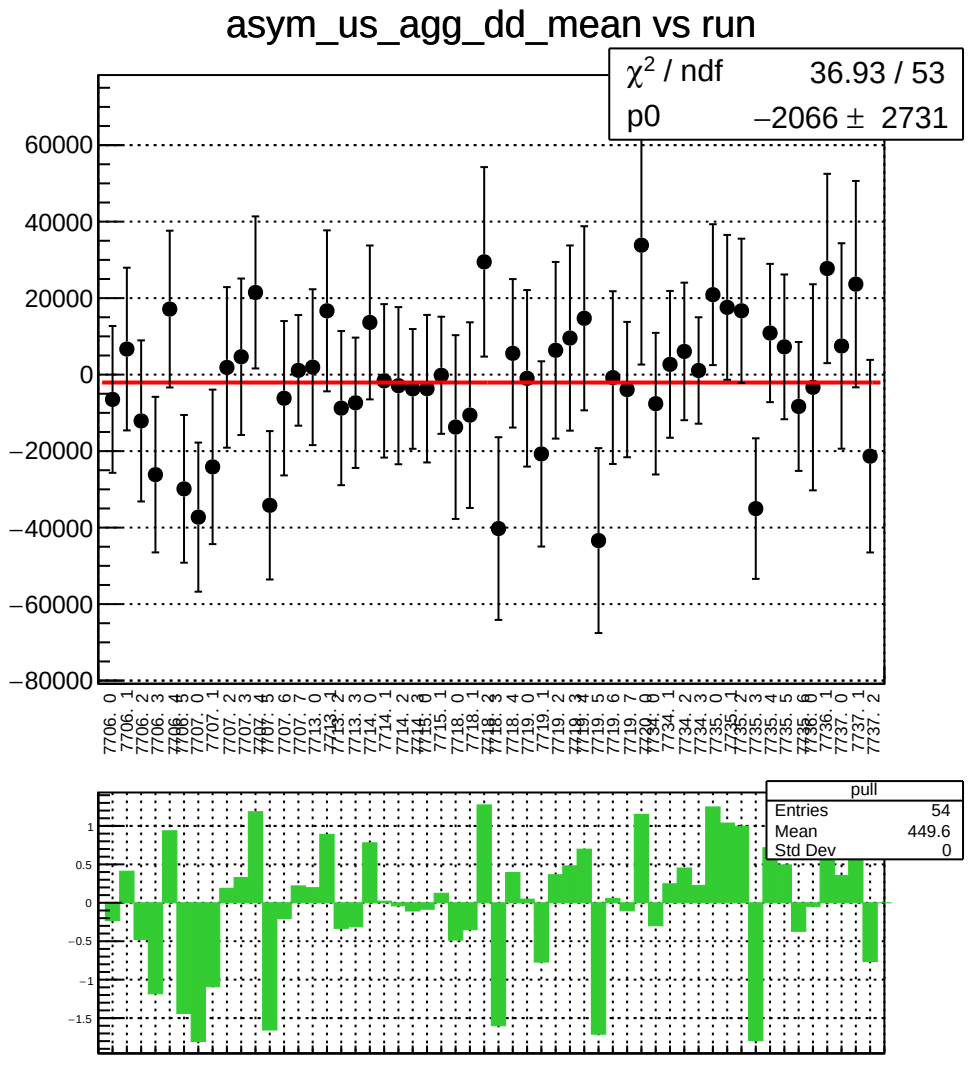

pull1D
Entries 54
Mean 0.01056
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

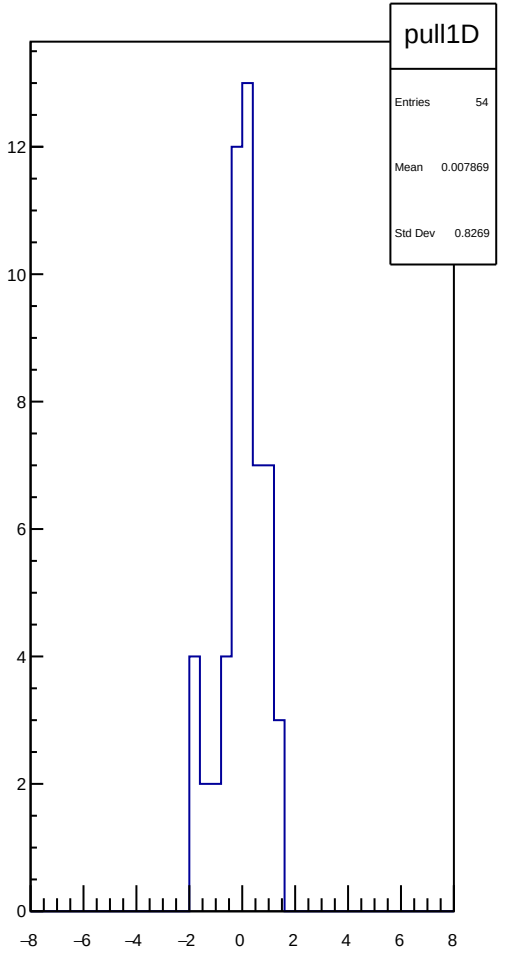

asym_dsr_rms vs run
χ² / ndf 171 / 53
p0 382.5 ± 0.3712
400
395
390
385
380
375
370
365
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

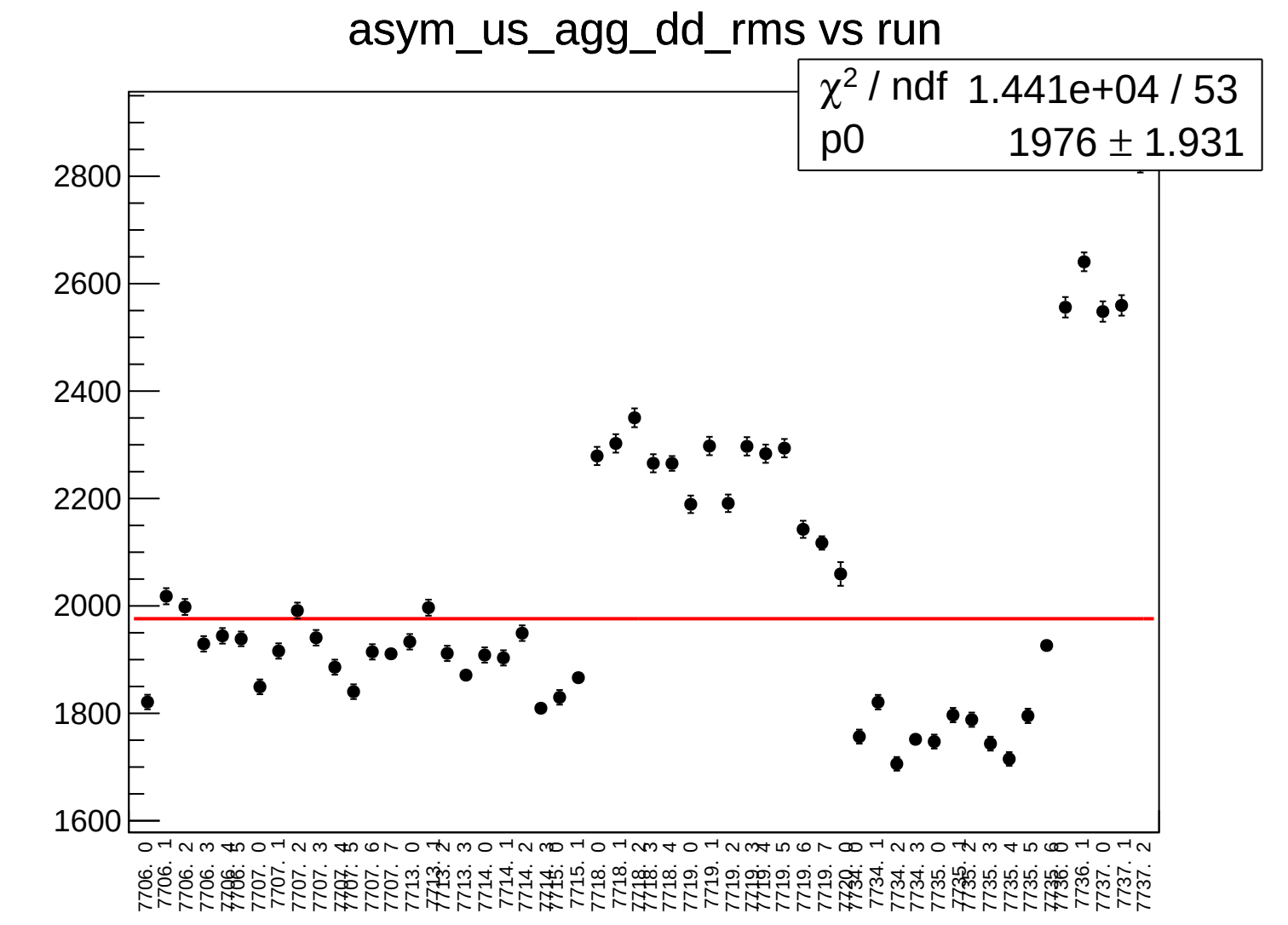

asym_us_agg_avg_mean vs run
χ² / ndf 56.11 / 53
p0 2040 ± 2398
pull
Entries 54
Mean 259.5
Std Dev 0

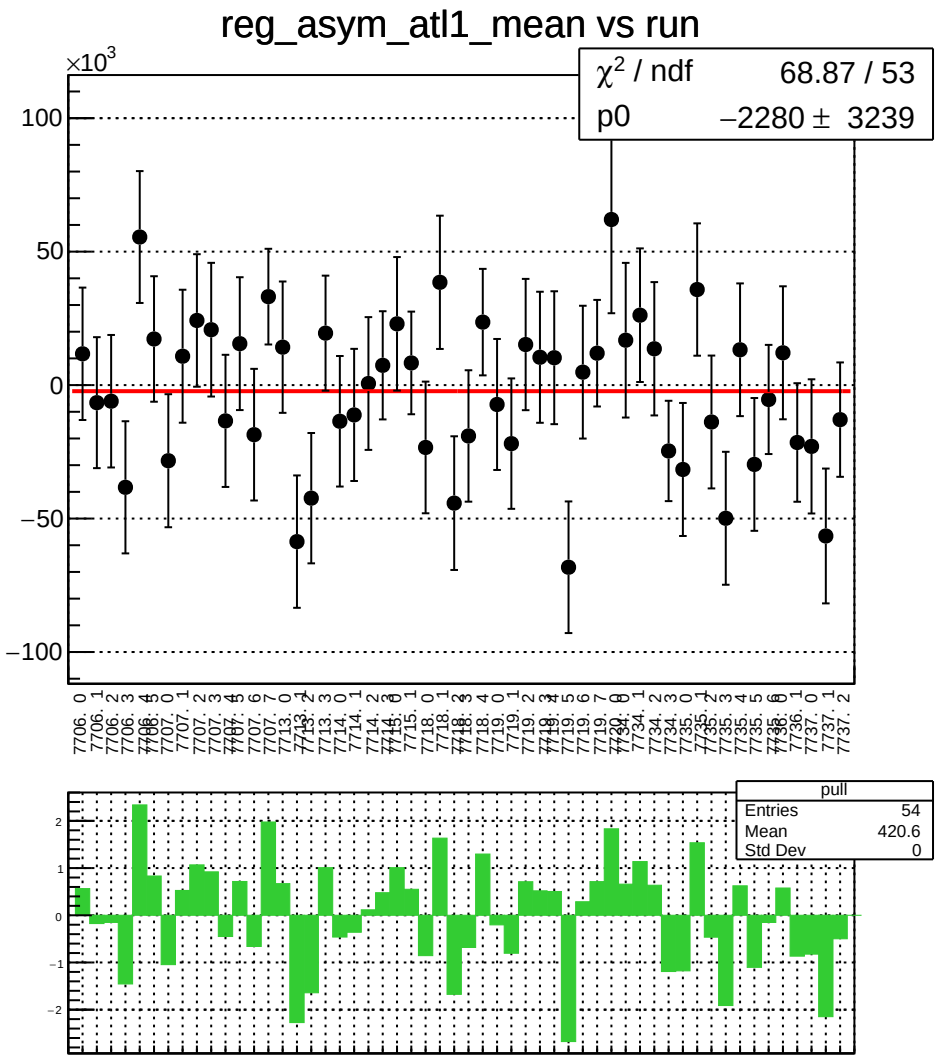

pull1D
Entries 54
Mean −0.01665
Std Dev 1.019

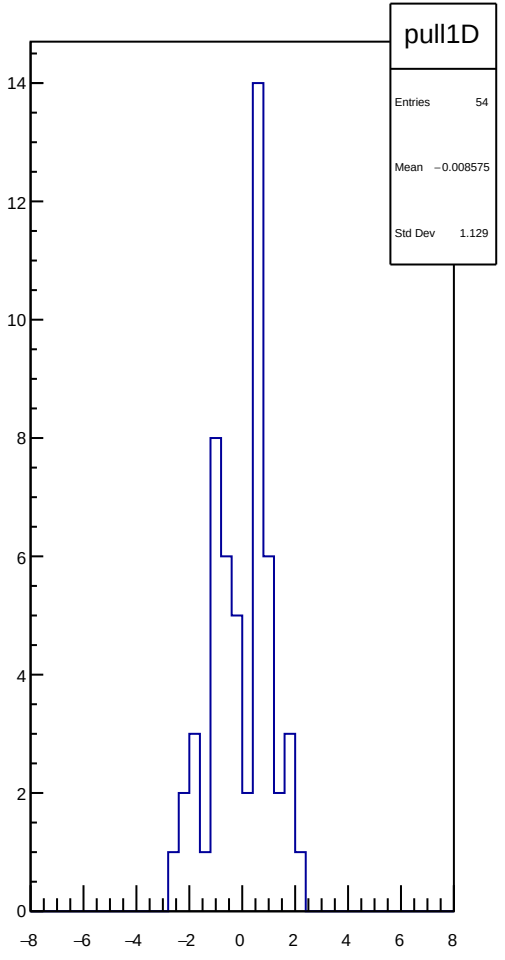

asym_us_agg_avg_rms vs run
χ^2 / ndf 1.571e+04 / 53
p0 1734 ± 1.696
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

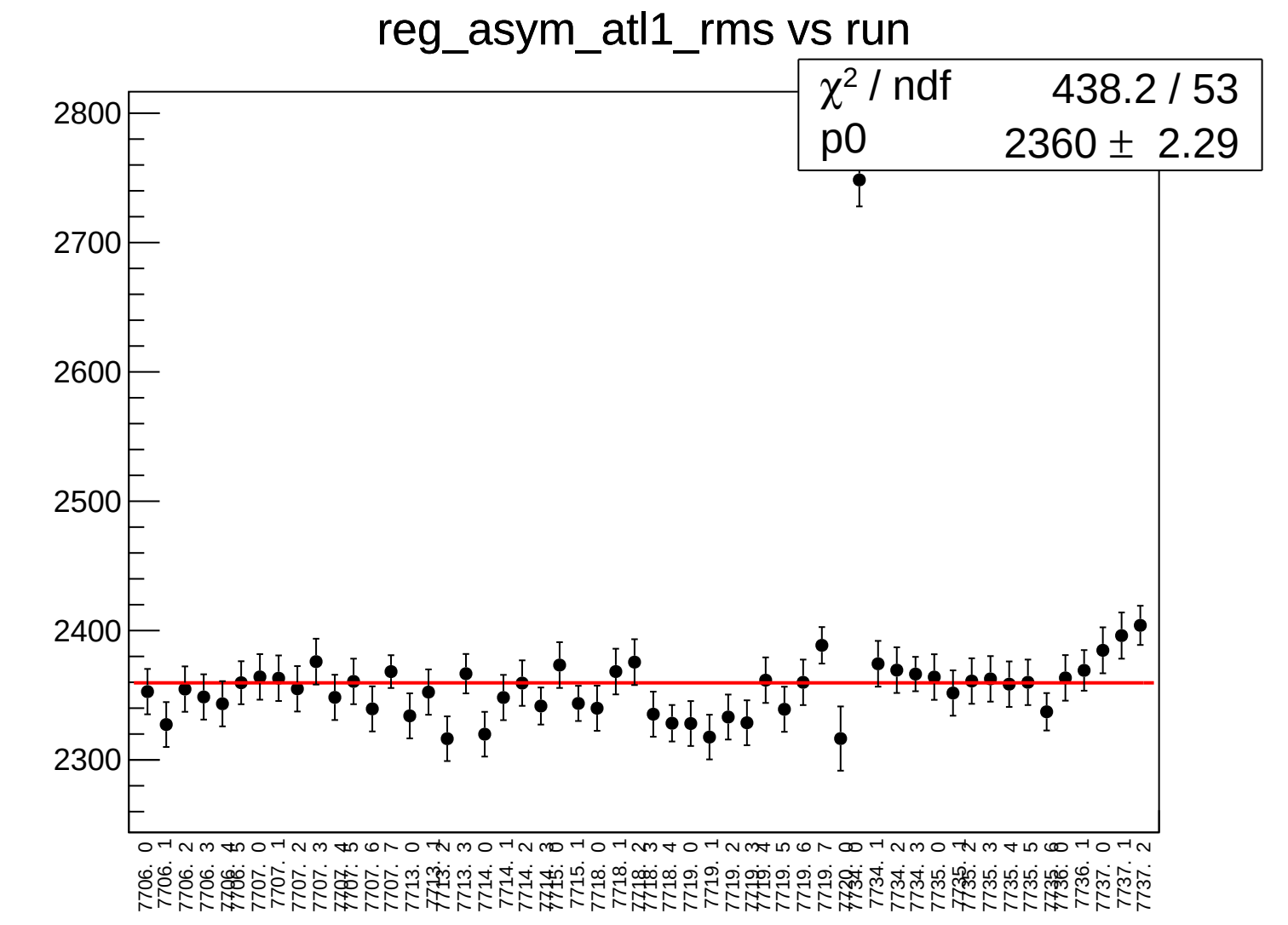

asym_us_agg_dd_mean vs run
χ² / ndf 36.93 / 53
p0 −2066 ± 2731
pull
Entries 54
Mean 449.6
Std Dev 0

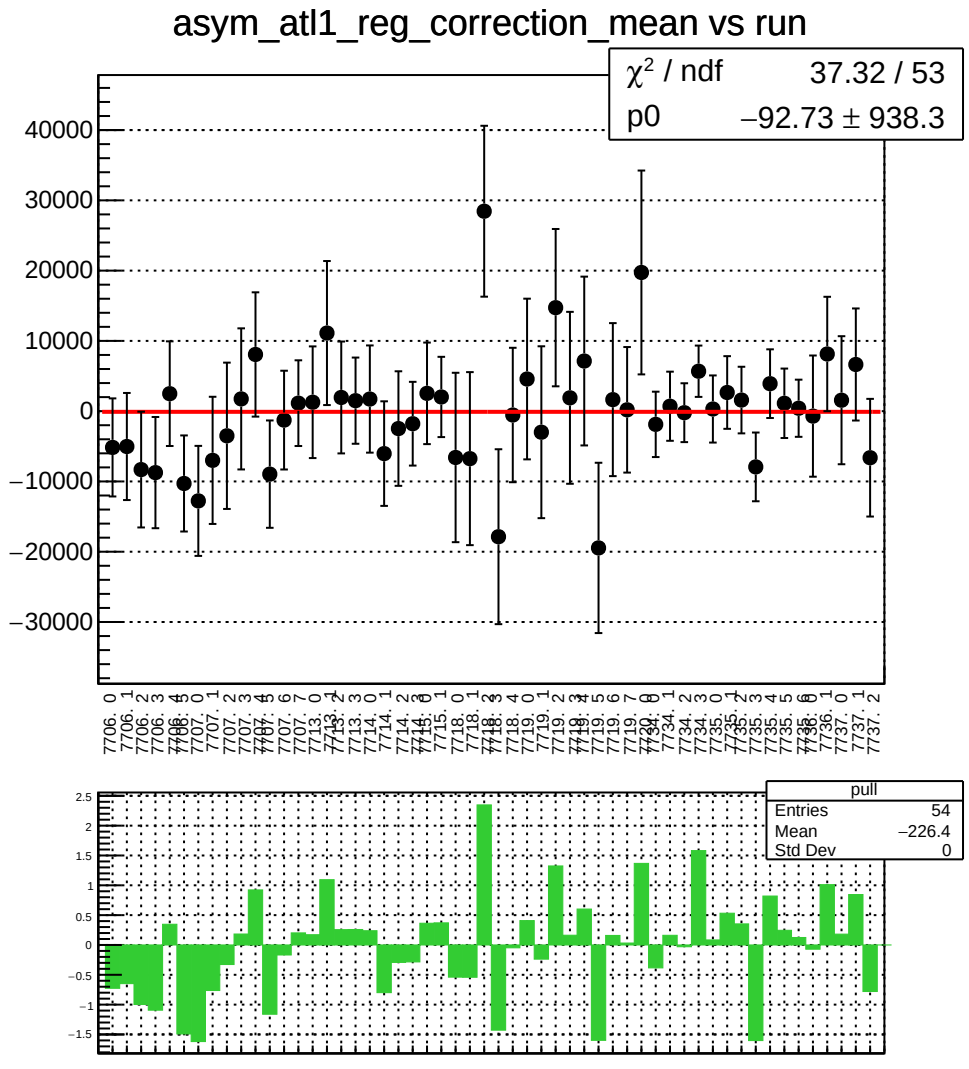

pull1D
Entries 54
Mean 0.007869
Std Dev 0.8269

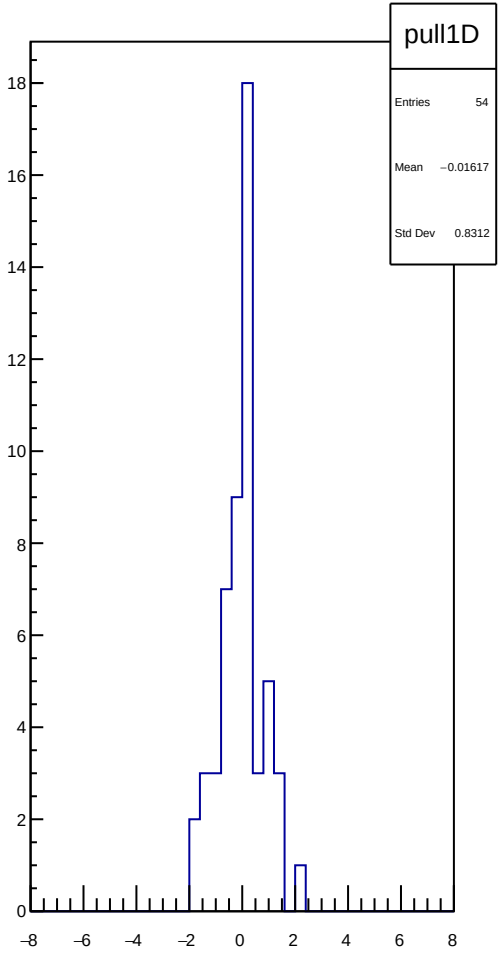

asym_us_agg_dd_rms vs run
χ^2 / ndf 1.441e+04 / 53
p0 1976 ± 1.931
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

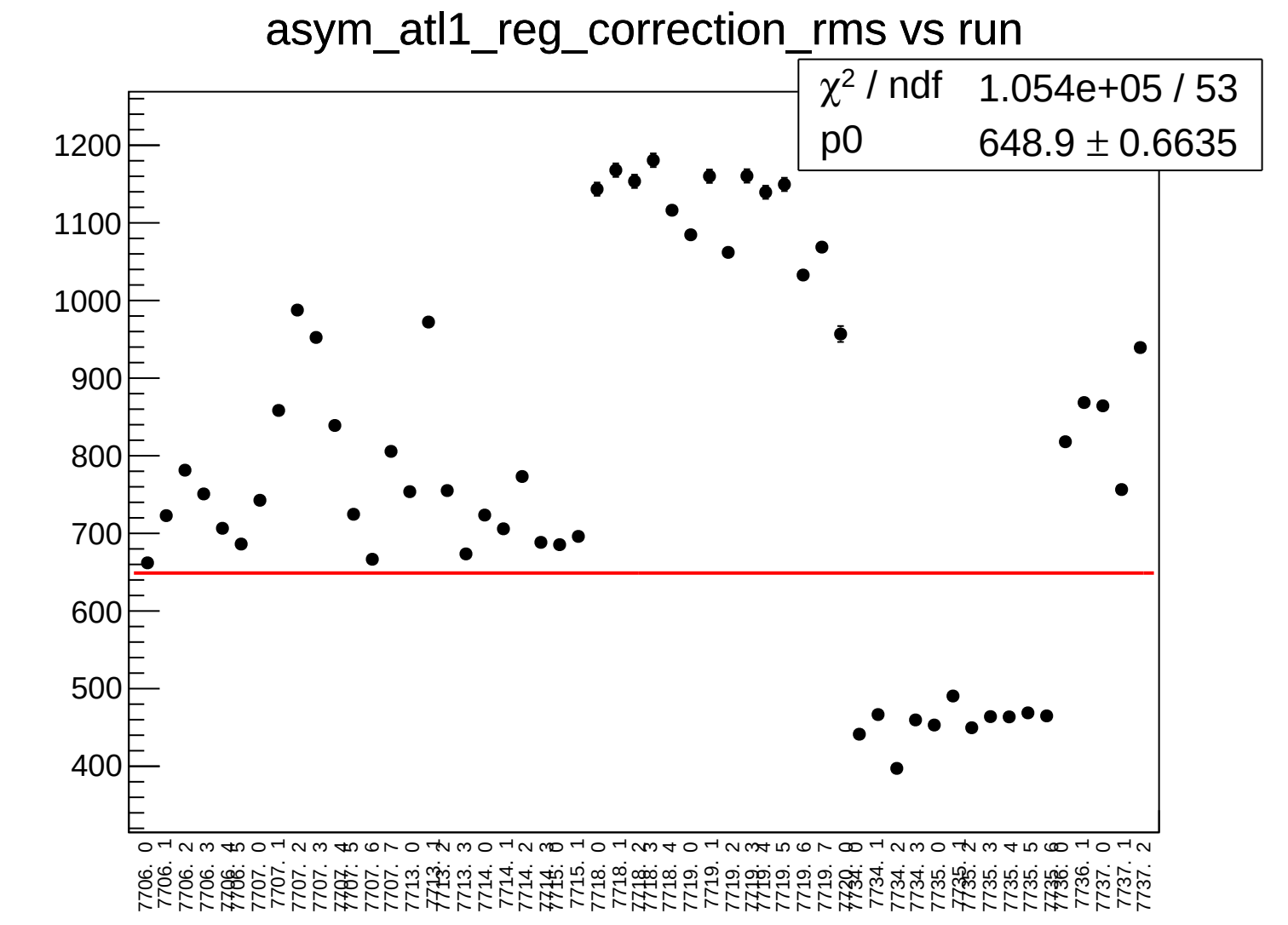

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 68.87 / 53
p0 −2280 ± 3239
100
50
0
−50
−100
pull
Entries 54
Mean 420.6
Std Dev 0
2
1
0
−1
−2

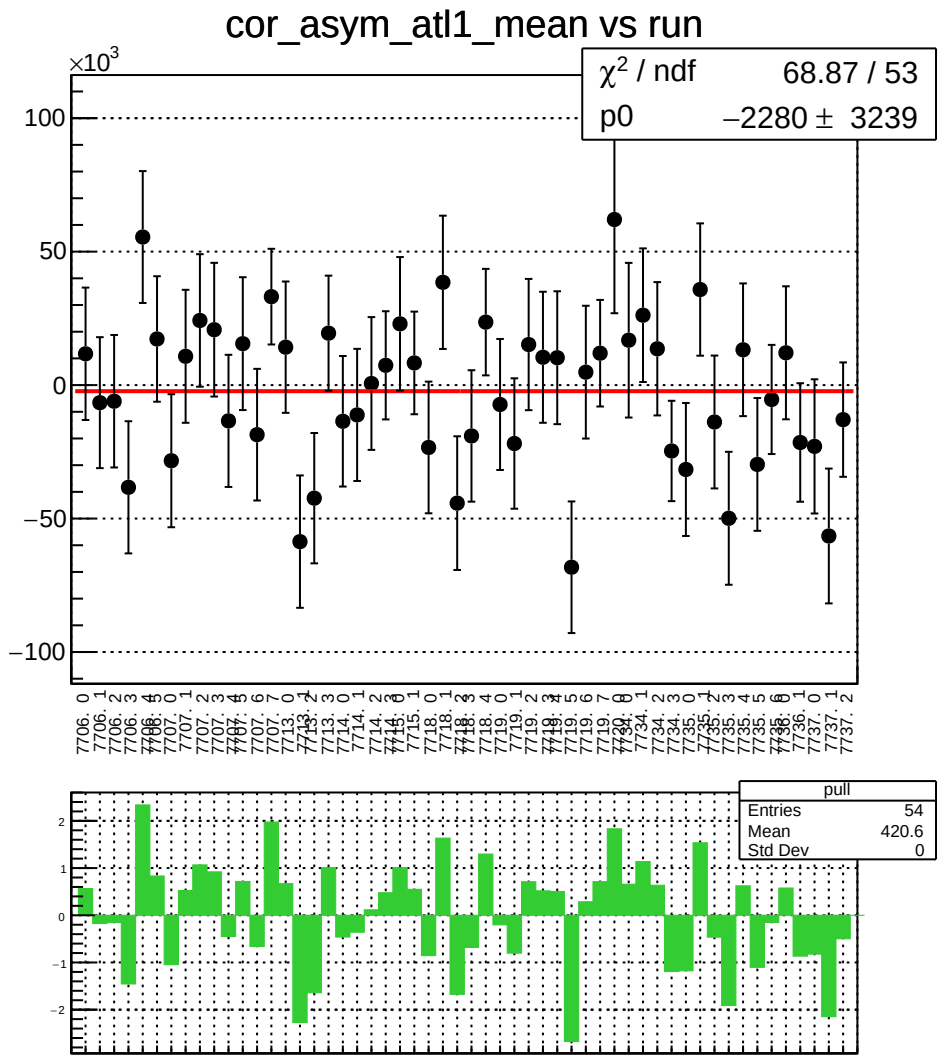

pull1D
Entries 54
Mean −0.008575
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

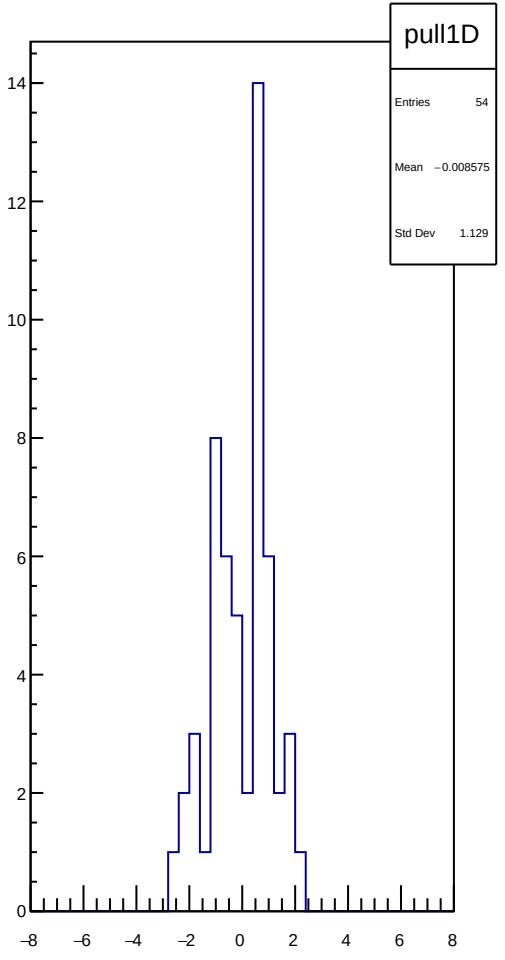

reg_asym_atl1_rms vs run
χ² / ndf 438.2 / 53
p0 2360 ± 2.29
2800
2700
2600
2500
2400
2300
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

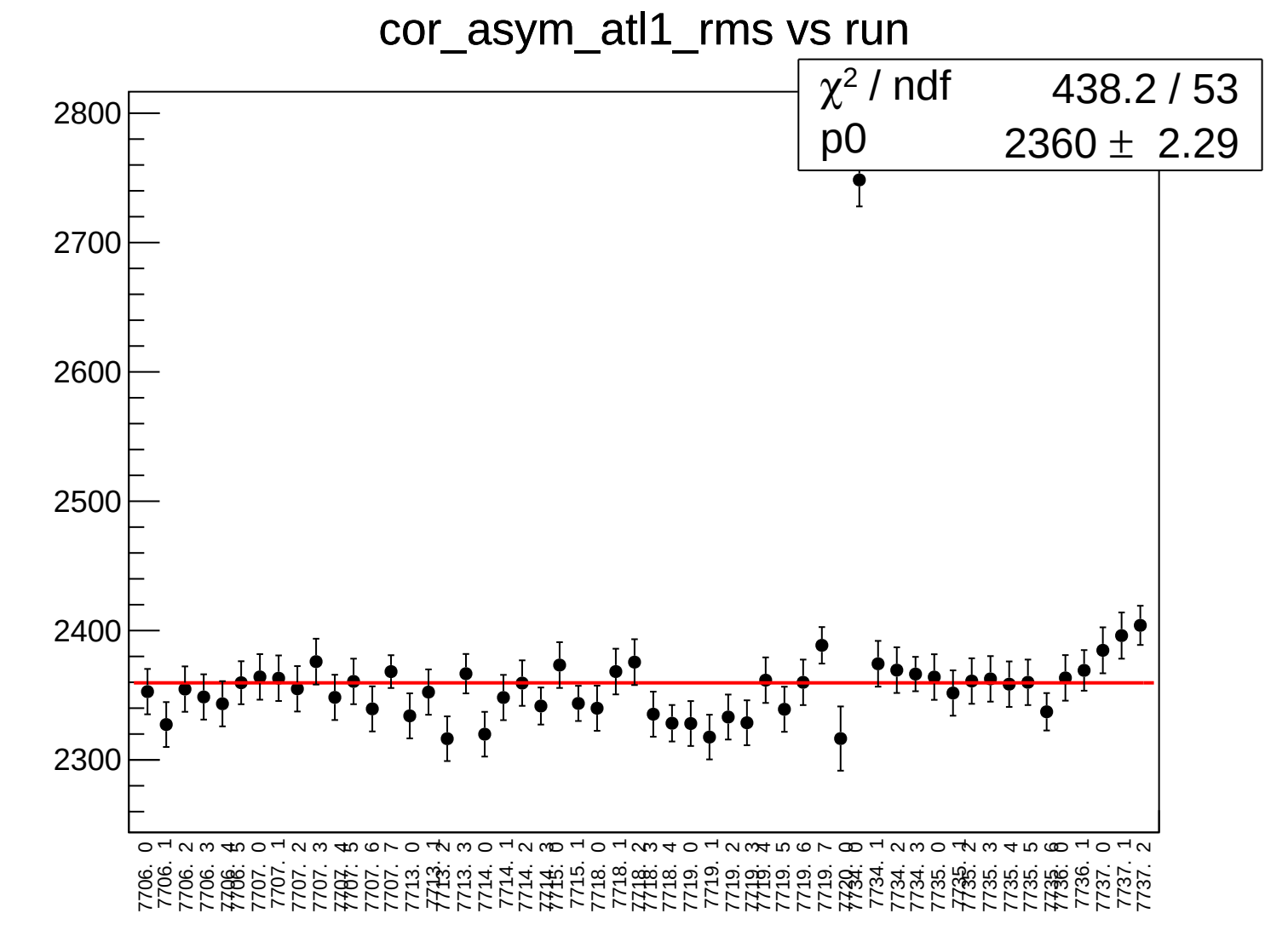

asym_atl1_reg_correction_mean vs run
χ² / ndf 37.32 / 53
p0 −92.73 ± 938.3
pull
Entries 54
Mean −226.4
Std Dev 0

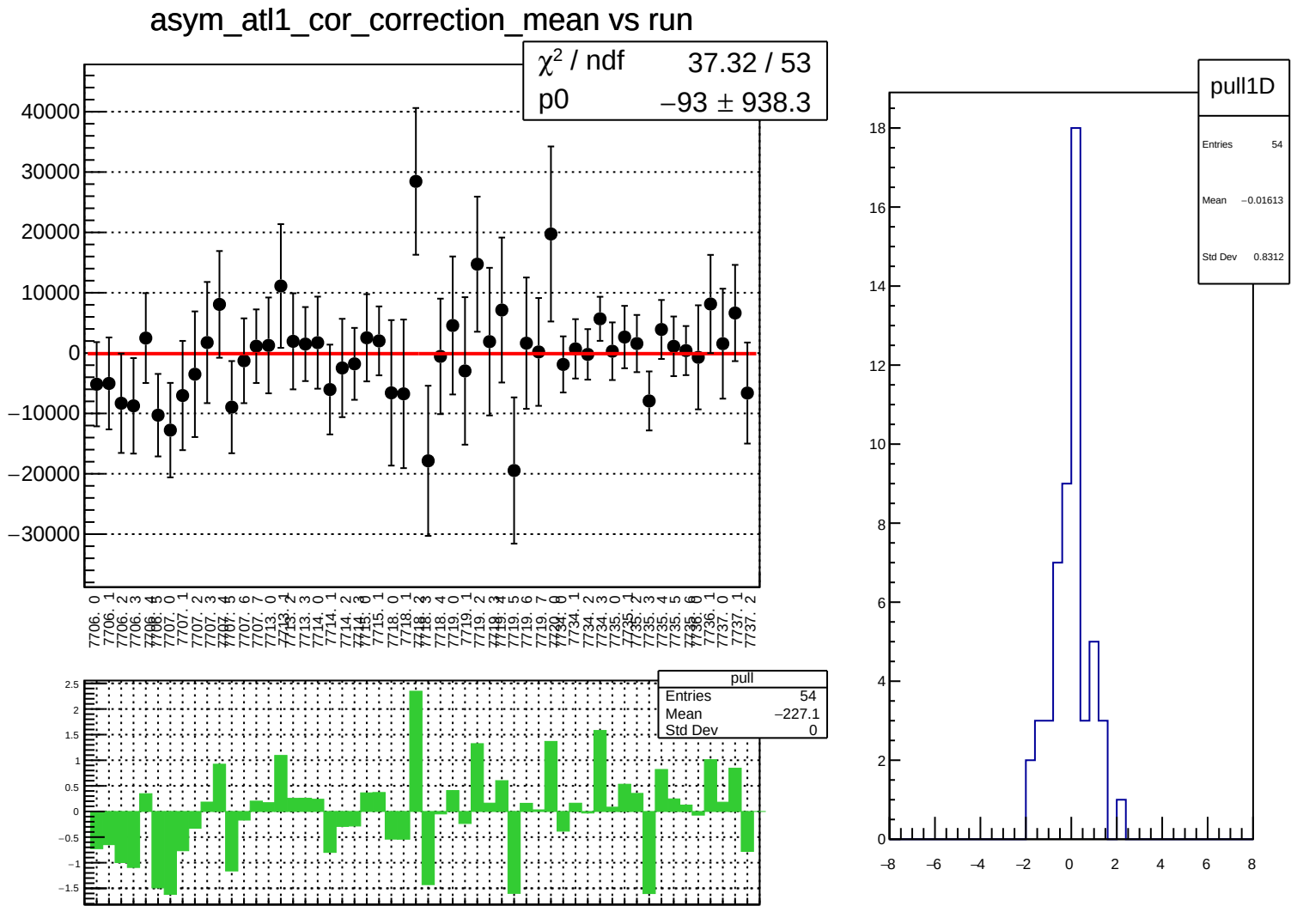

pull1D
Entries 54
Mean −0.01617
Std Dev 0.8312

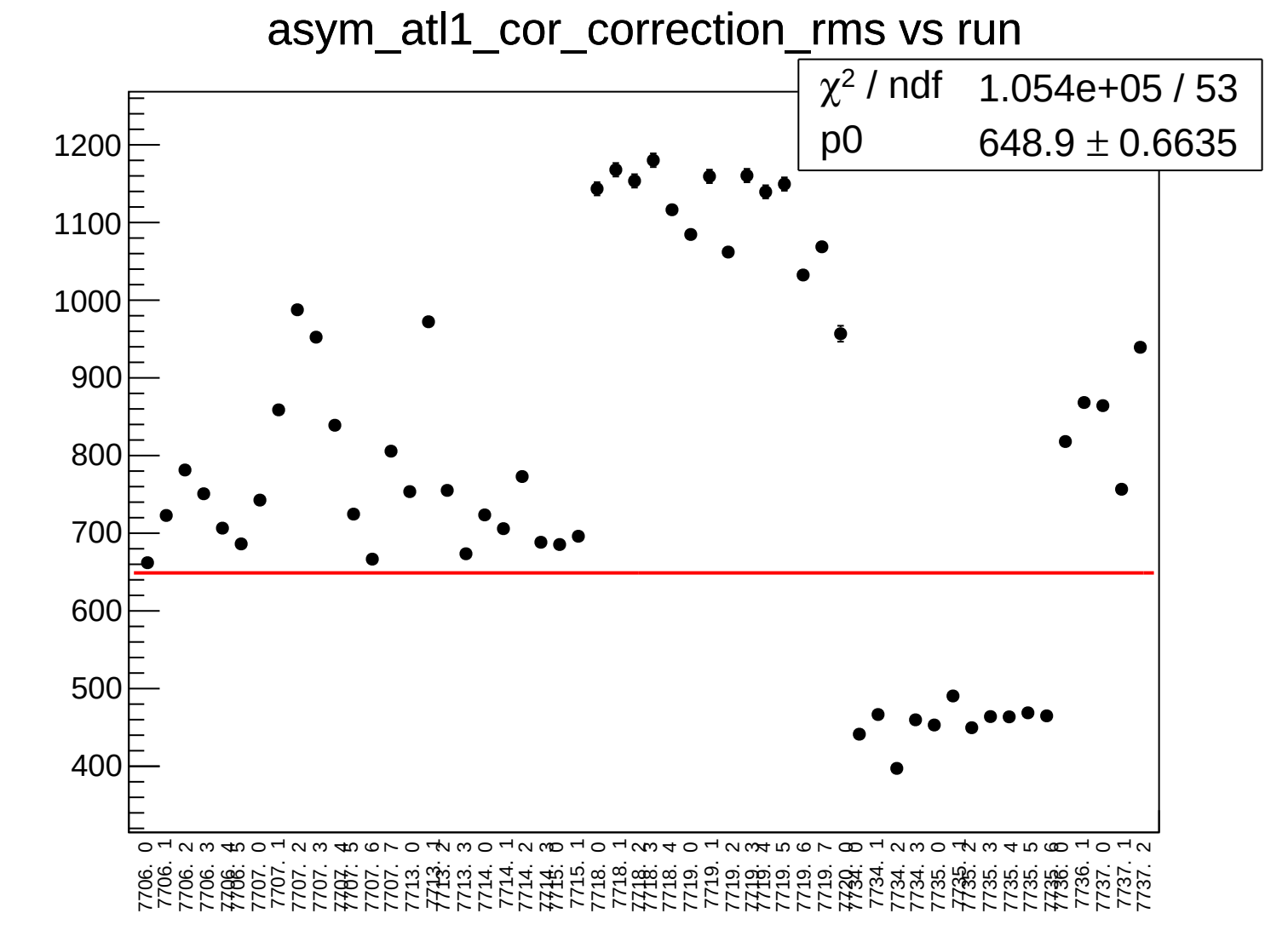

asym_atl1_reg_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 648.9 ± 0.6635
1200
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

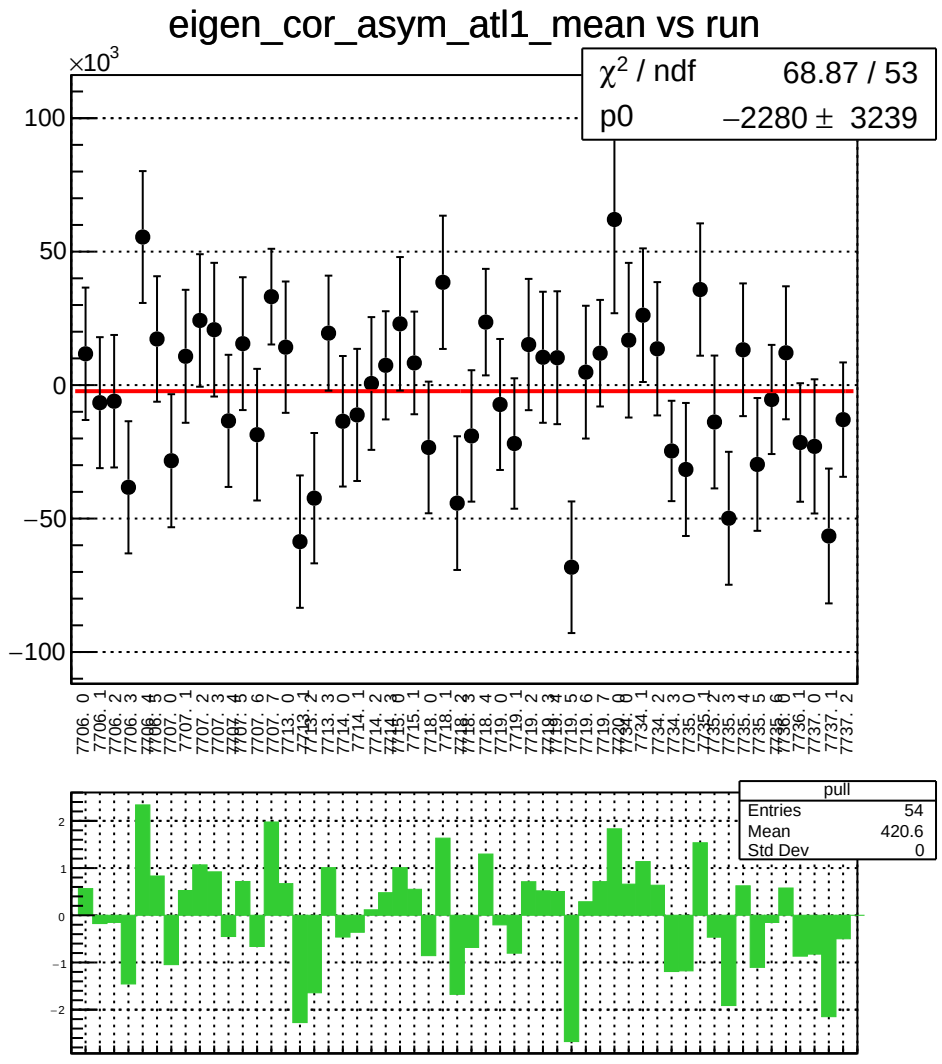

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 68.87 / 53
p0 −2280 ± 3239
100
50
0
−50
−100
pull
Entries 54
Mean 420.6
Std Dev 0
2
1
0
−1
−2

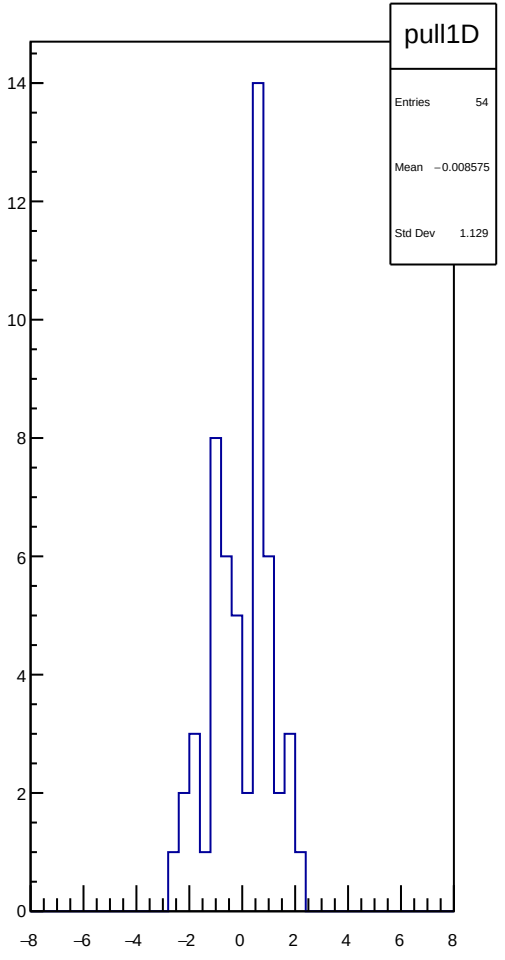

pull1D
Entries 54
Mean −0.008575
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

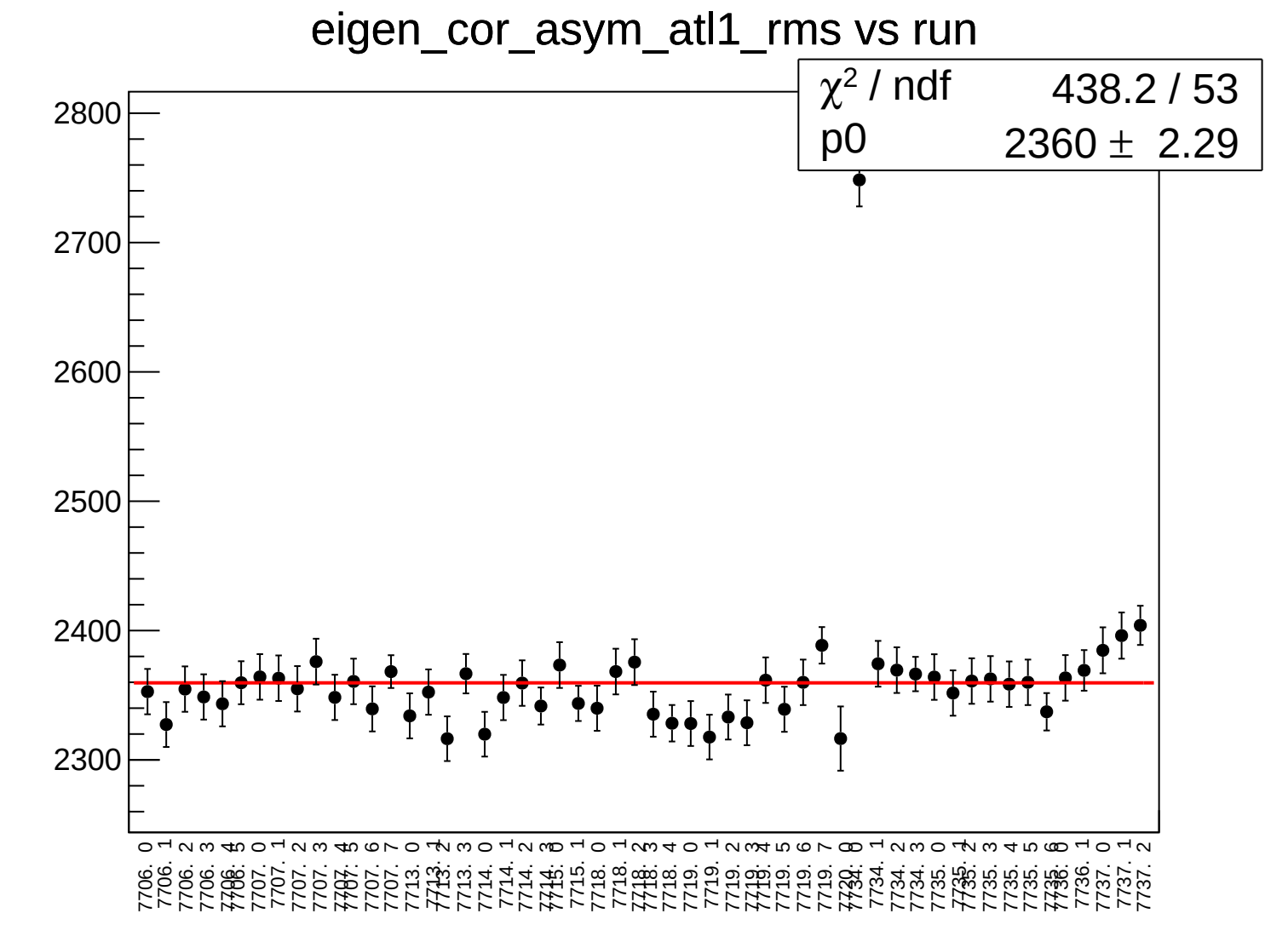

cor_asym_atl1_rms vs run
χ² / ndf 438.2 / 53
p0 2360 ± 2.29
2800
2700
2600
2500
2400
2300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

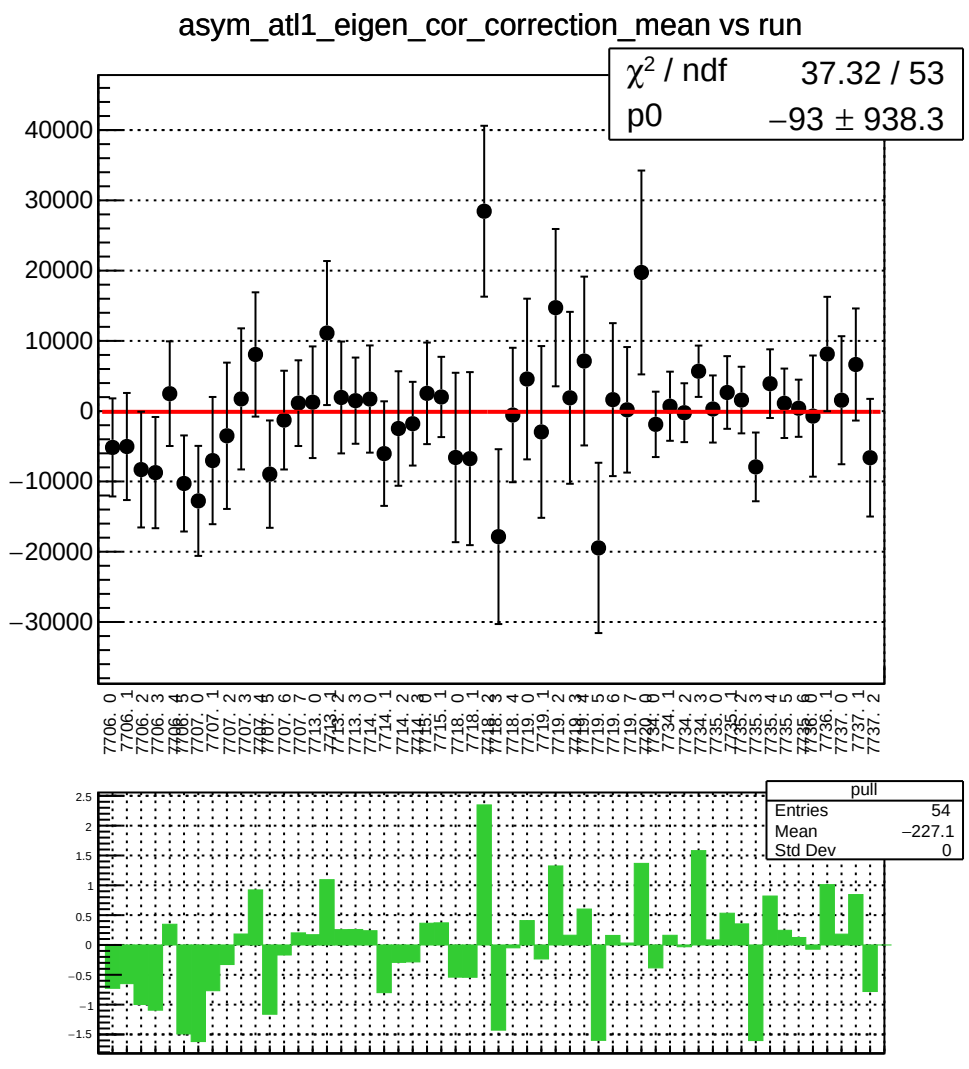

asym_atl1_cor_correction_mean vs run
χ² / ndf 37.32 / 53
p0 −93 ± 938.3
pull
Entries 54
Mean −227.1
Std Dev 0
pull1D
Entries 54
Mean −0.01613
Std Dev 0.8312

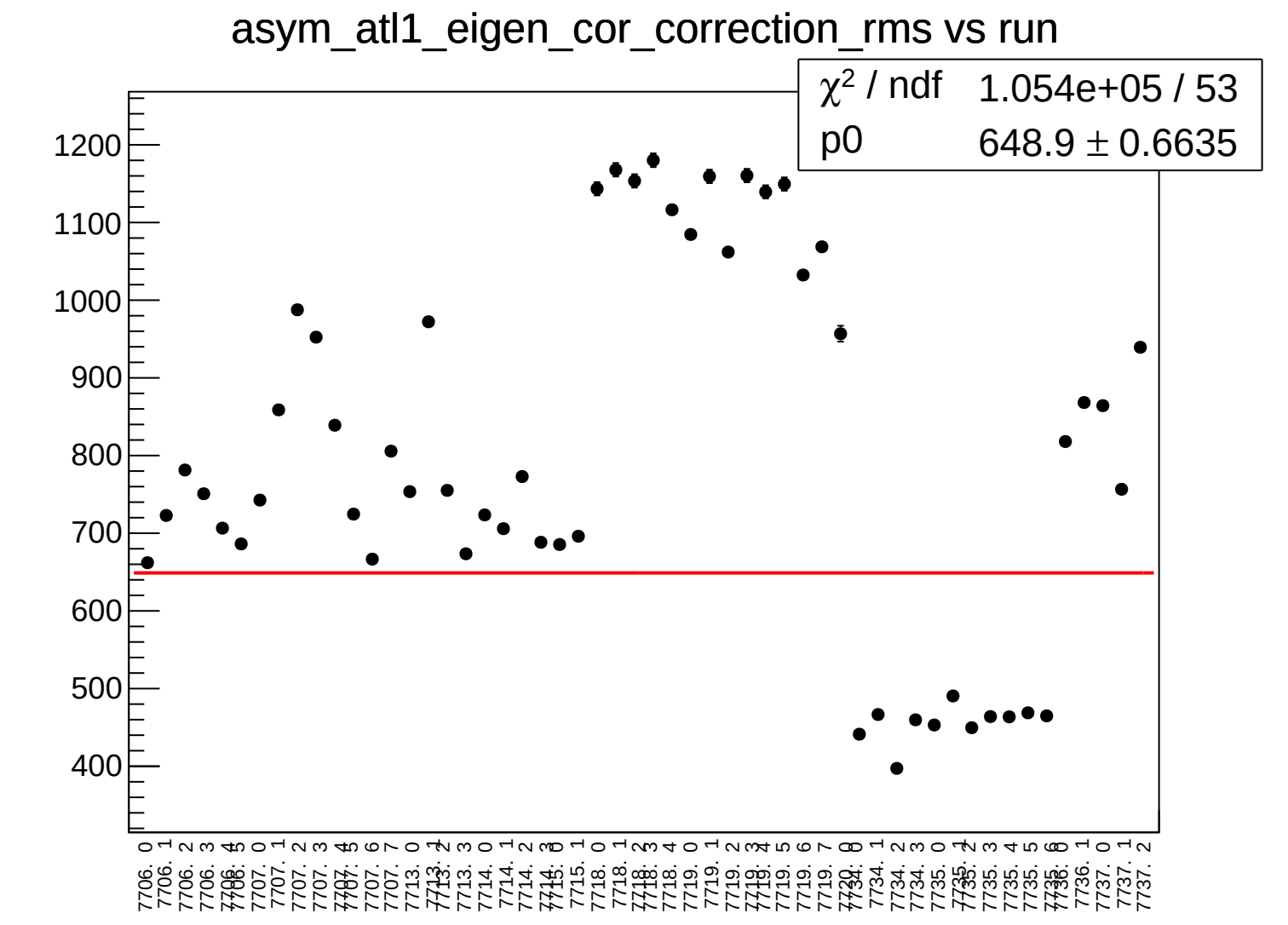

asym_atl1_cor_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 648.9 ± 0.6635
1200
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

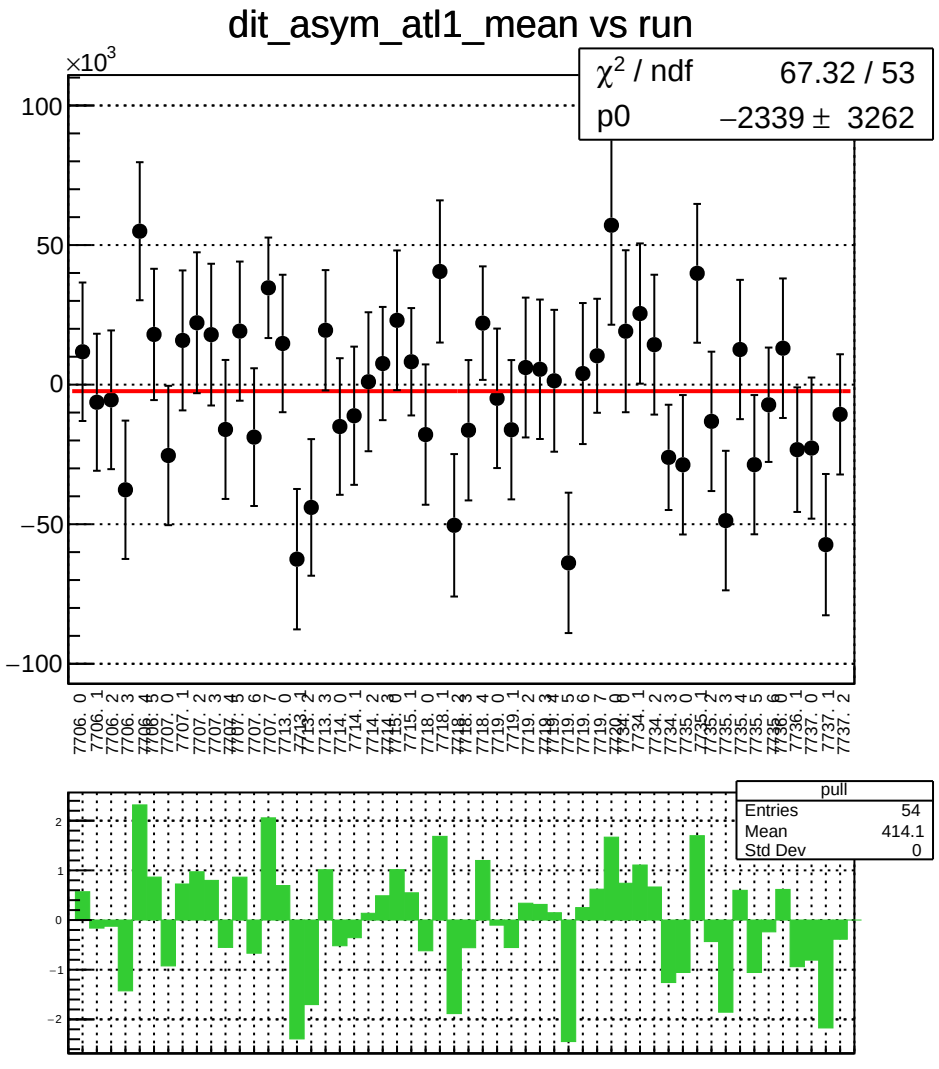

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 68.87 / 53
p0 −2280 ± 3239
100
50
0
−50
−100
pull
Entries 54
Mean 420.6
Std Dev 0
2
1
0
−1
−2

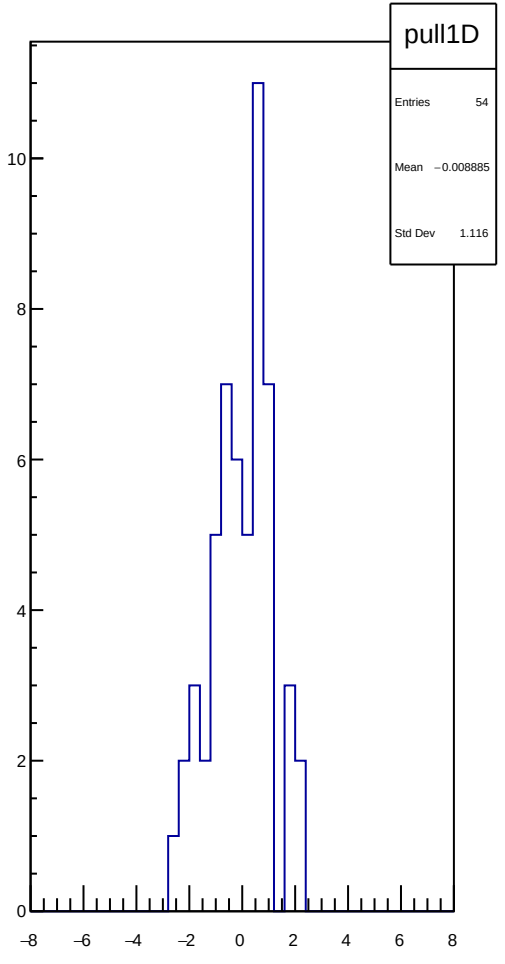

pull1D
Entries 54
Mean −0.008575
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

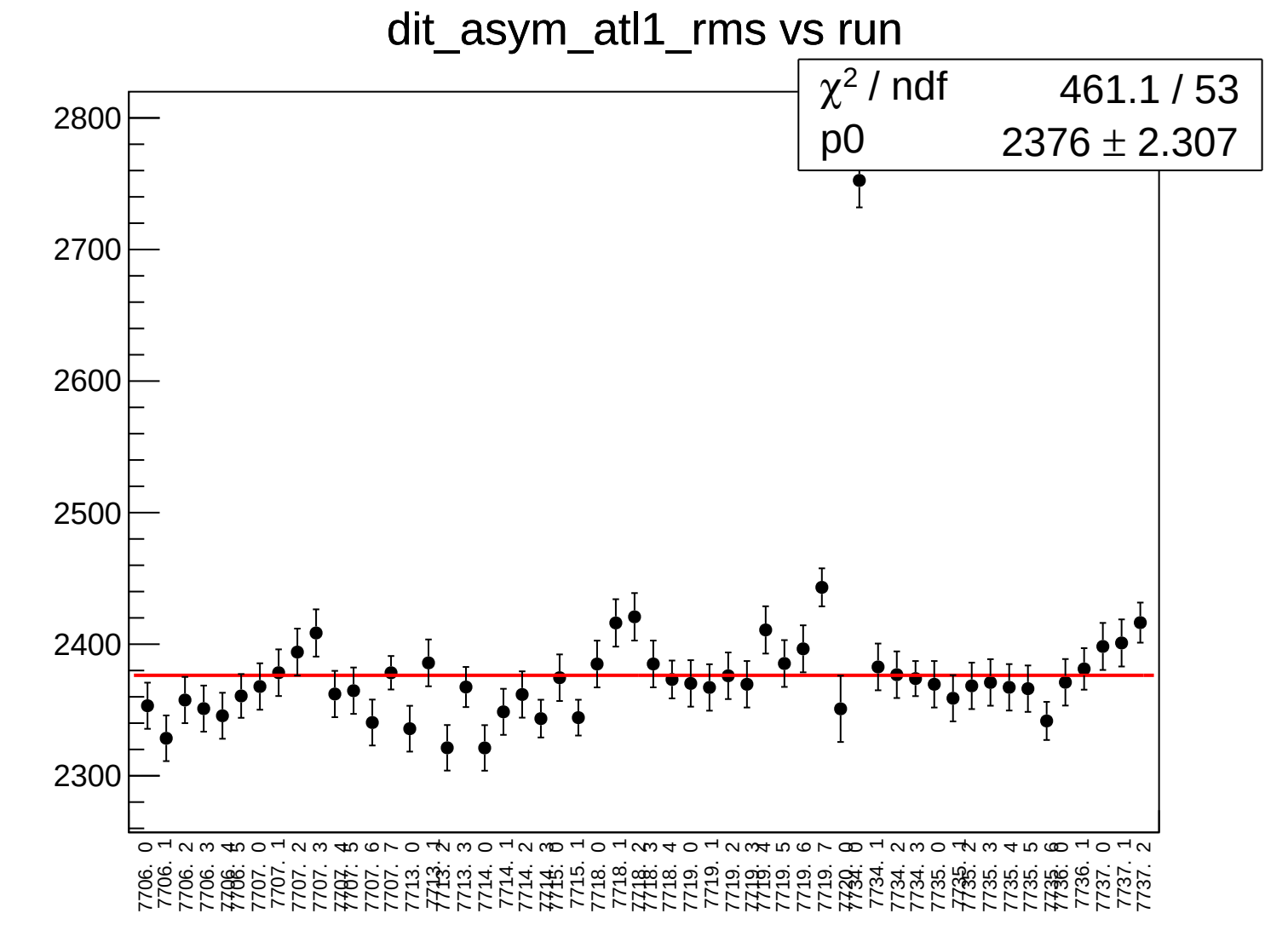

eigen_cor_asym_atl1_rms vs run
χ² / ndf 438.2 / 53
p0 2360 ± 2.29
2800
2700
2600
2500
2400
2300

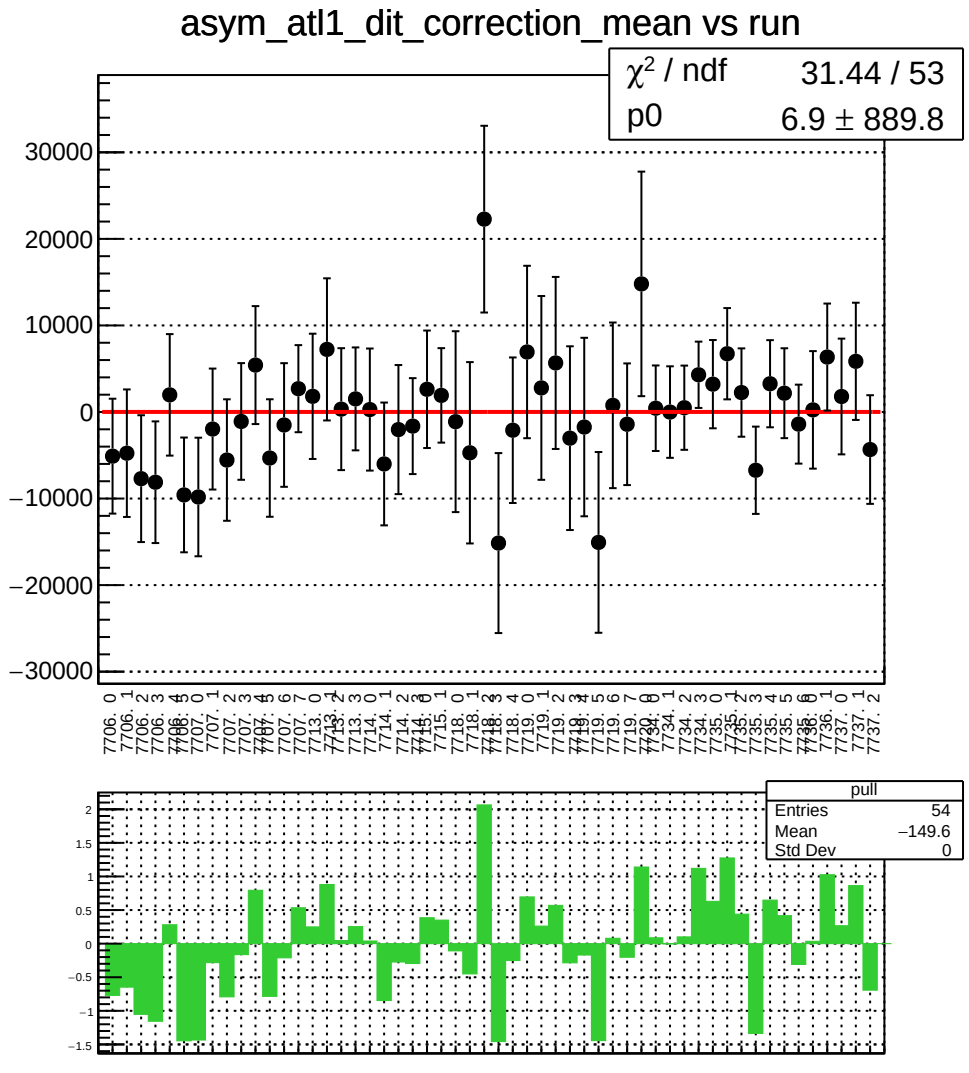

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 37.32 / 53
p0 −93 ± 938.3
pull
Entries 54
Mean −227.1
Std Dev 0
pull1D
Entries 54
Mean −0.01613
Std Dev 0.8312

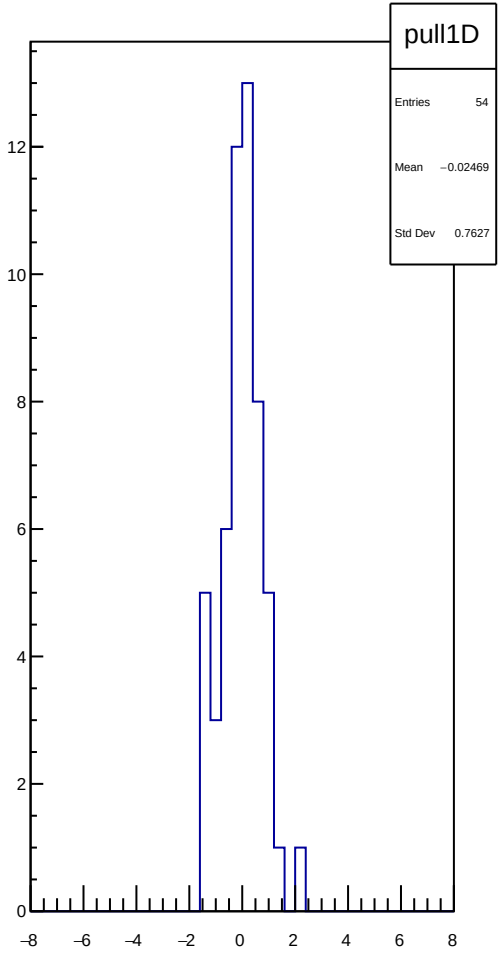

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.054e+05 / 53
p0 648.9 ± 0.6635
1200
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

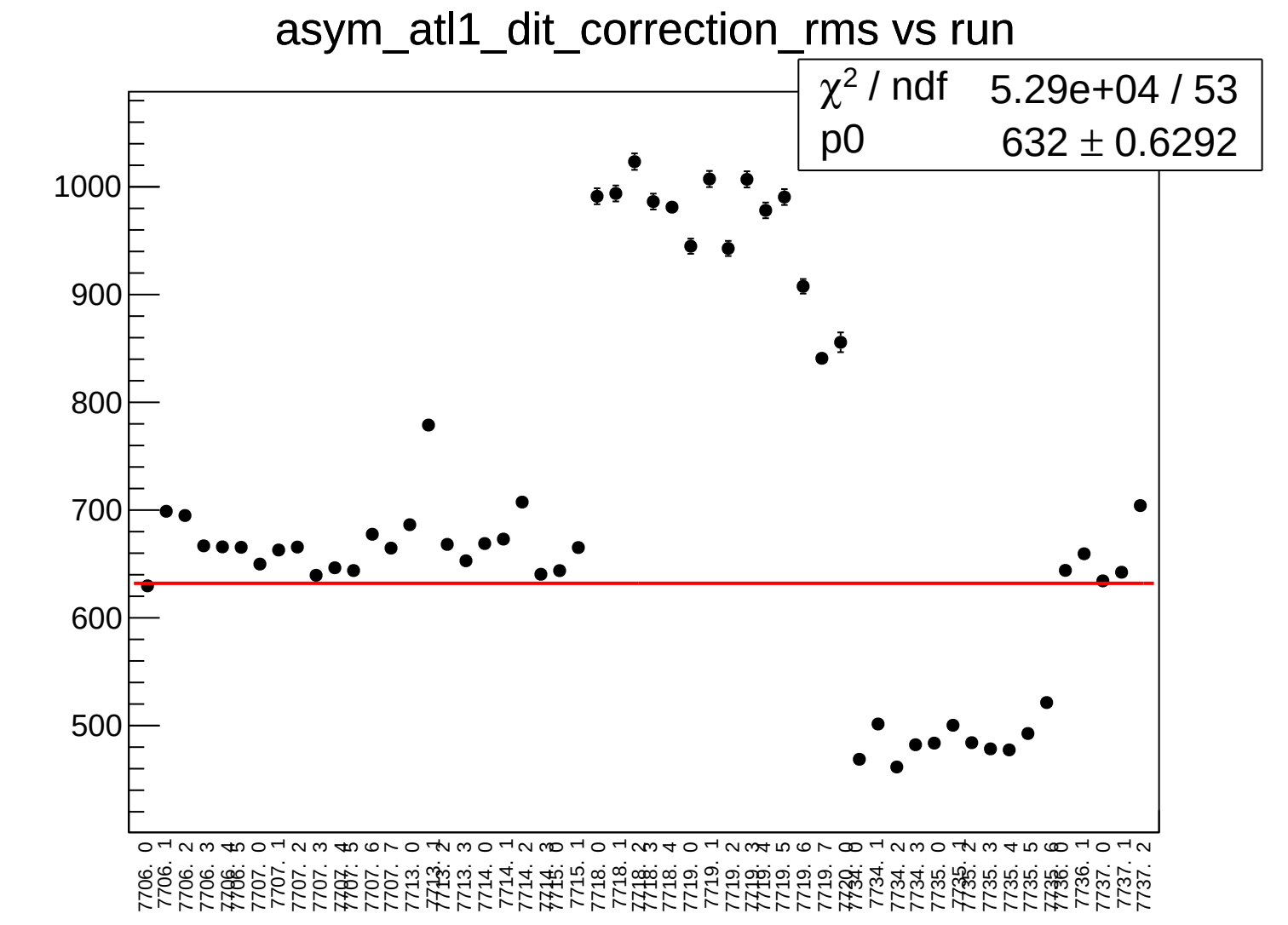

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 67.32 / 53
p0 −2339 ± 3262
100
50
0
−50
−100
pull
Entries 54
Mean 414.1
Std Dev 0
2
1
0
−1
−2

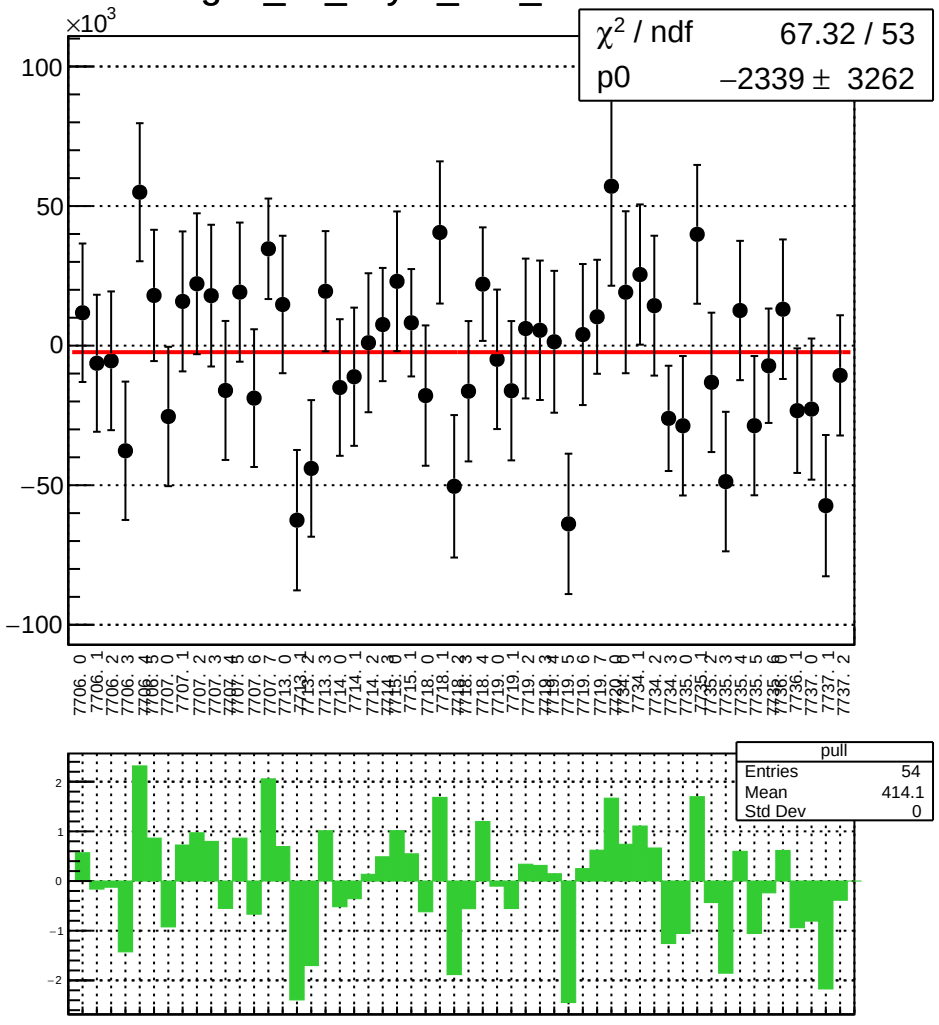

pull1D
Entries 54
Mean −0.008885
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

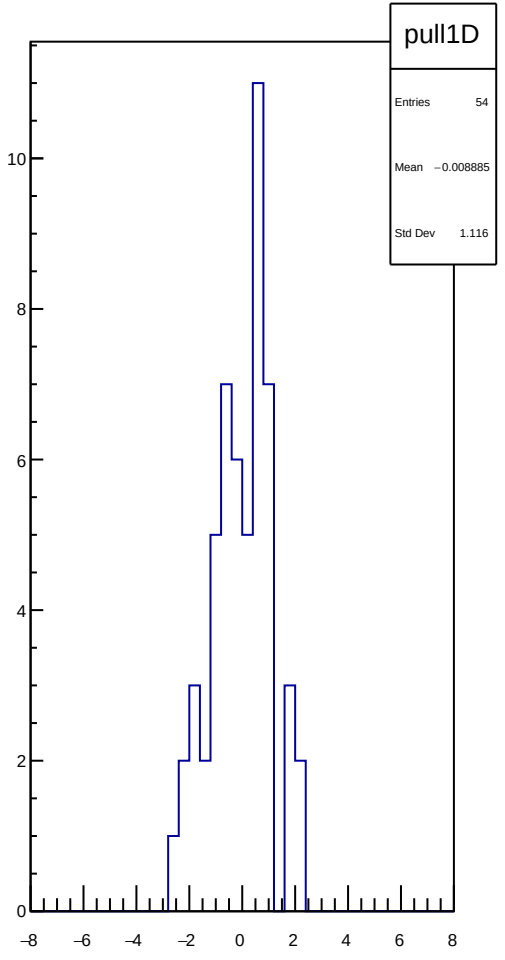

dit_asym_atl1_rms vs run
χ² / ndf 461.1 / 53
p0 2376 ± 2.307
2800
2700
2600
2500
2400
2300

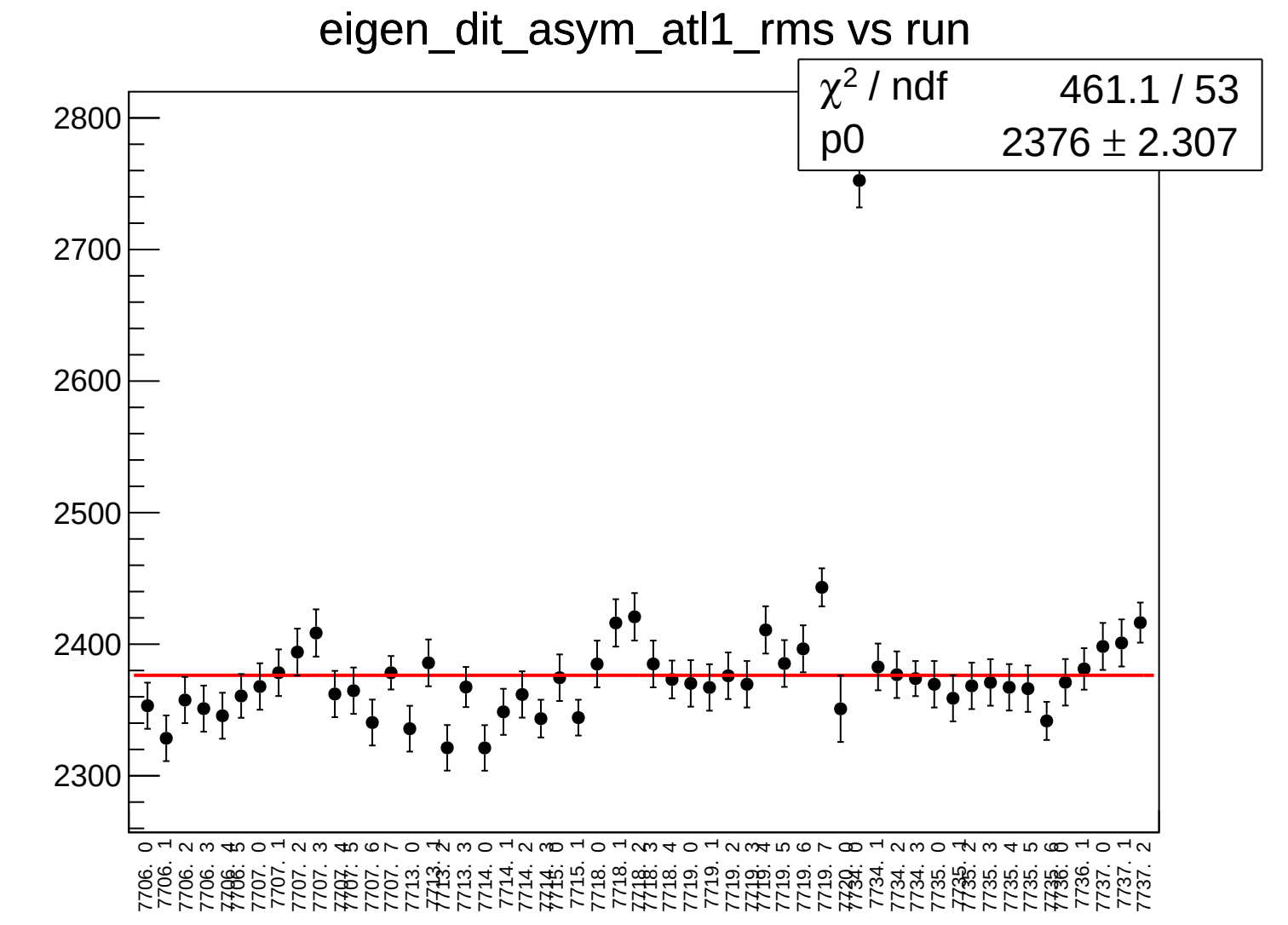

asym_atl1_dit_correction_mean vs run
χ² / ndf 31.44 / 53
p0 6.9 ± 889.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −149.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

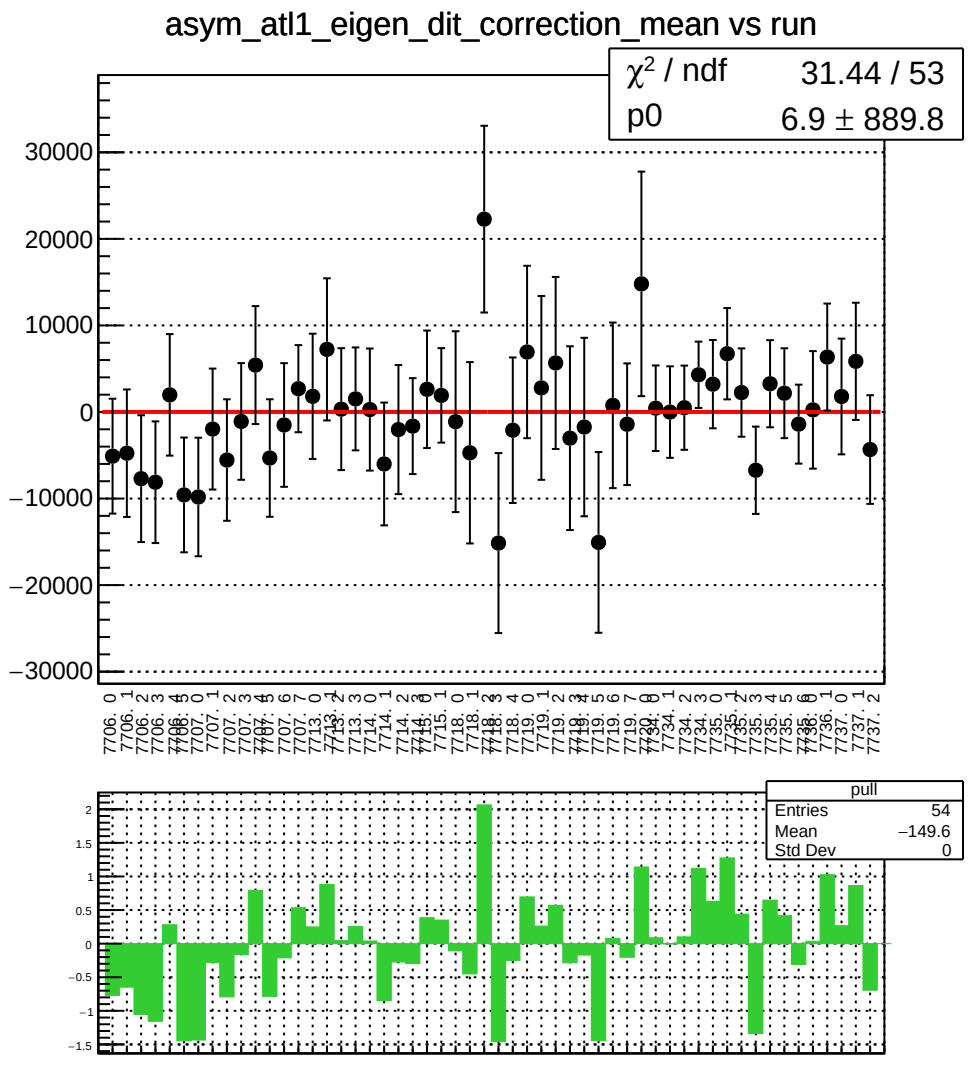

pull1D
Entries 54
Mean −0.02469
Std Dev 0.7627
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

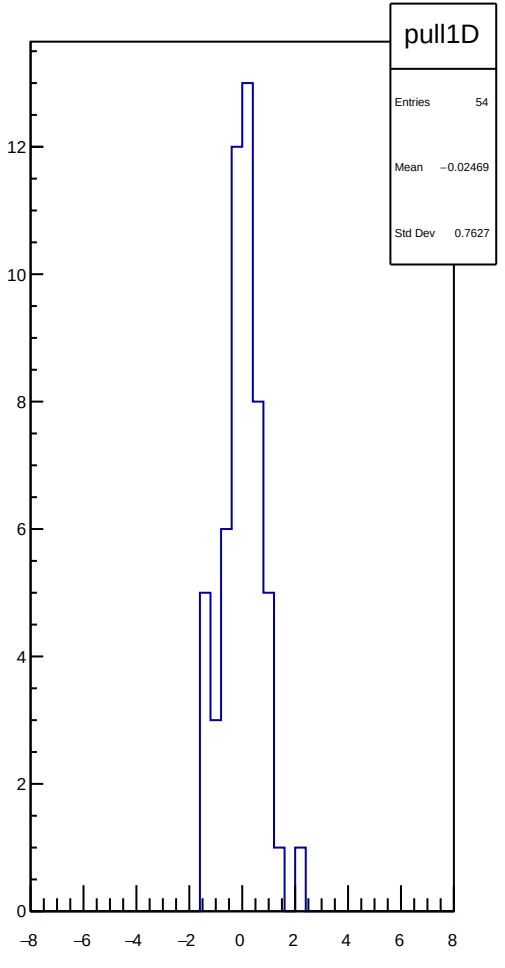

asym_atl1_dit_correction_rms vs run
χ² / ndf 5.29e+04 / 53
p0 632 ± 0.6292
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

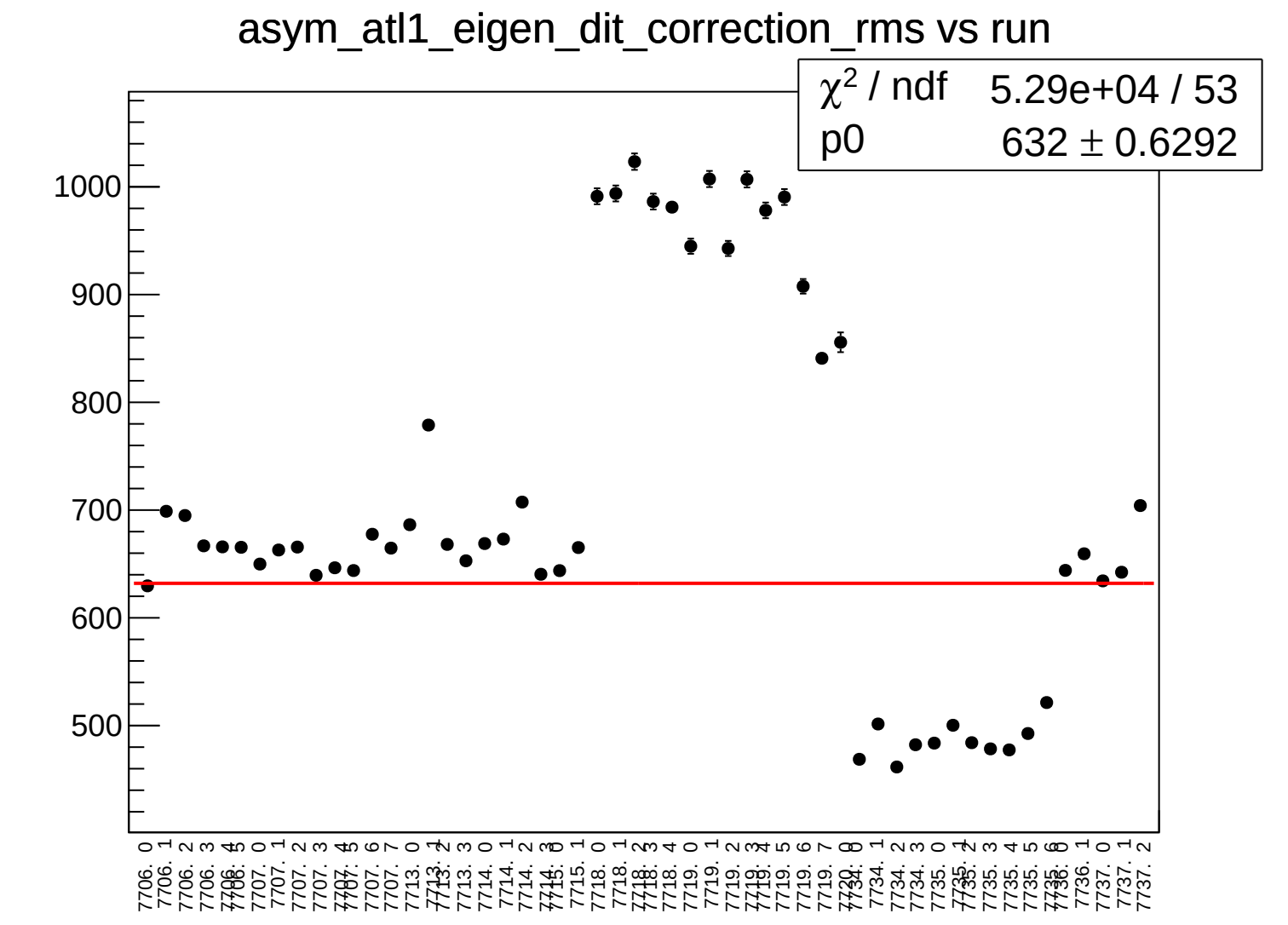

eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 67.32 / 53
p0 −2339 ± 3262
100
50
0
−50
−100
pull
Entries 54
Mean 414.1
Std Dev 0
2
1
0
−1
−2

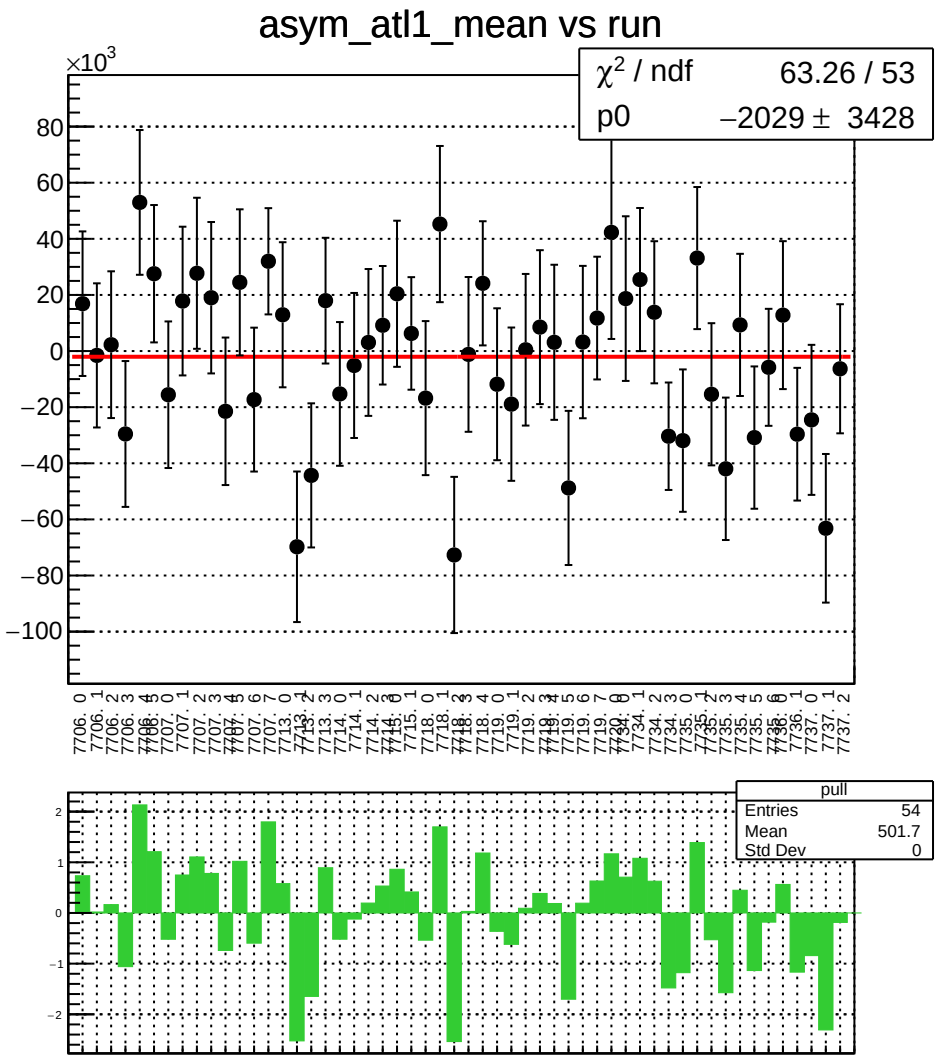

pull1D
Entries 54
Mean −0.008885
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

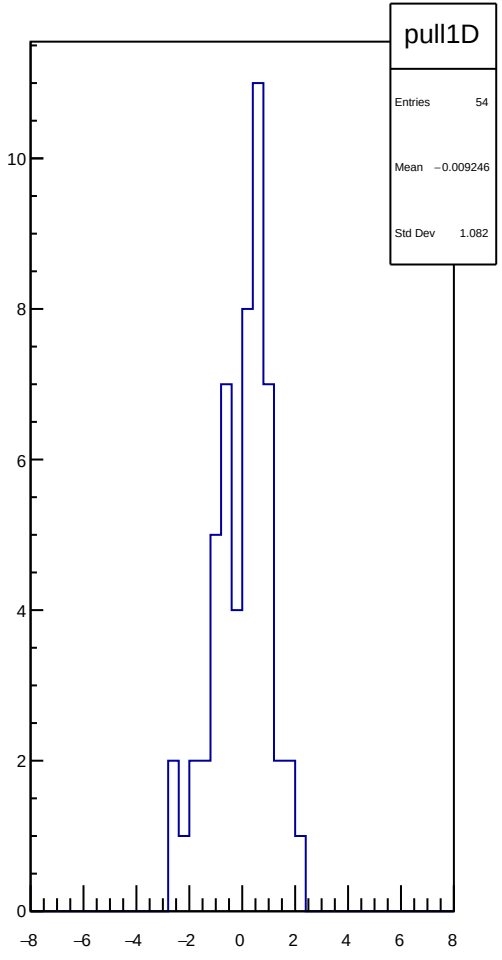

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 461.1 / 53
p0 2376 ± 2.307
2800
2700
2600
2500
2400
2300

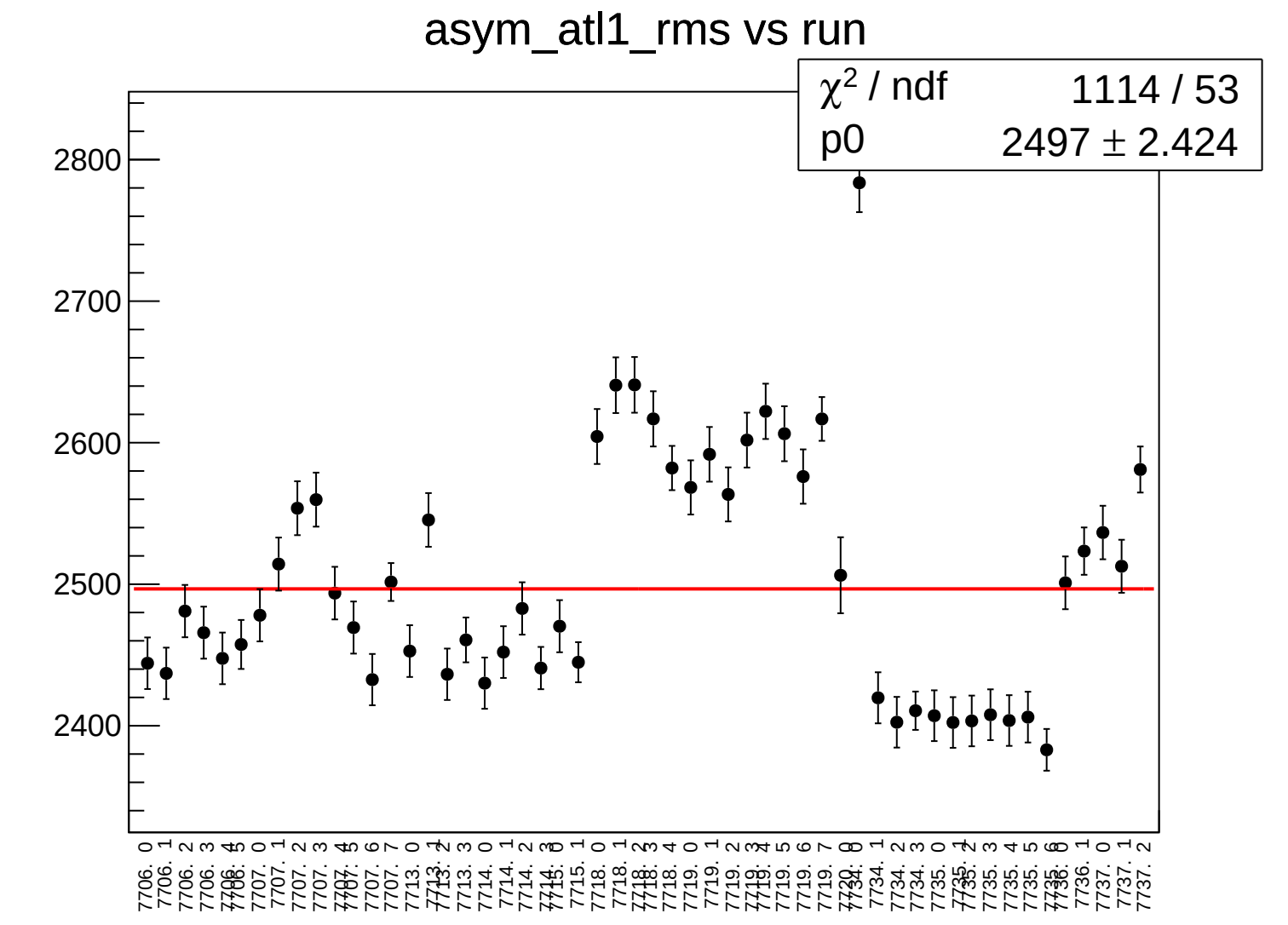

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 31.44 / 53
p0 6.9 ± 889.8
pull
Entries 54
Mean −149.6
Std Dev 0

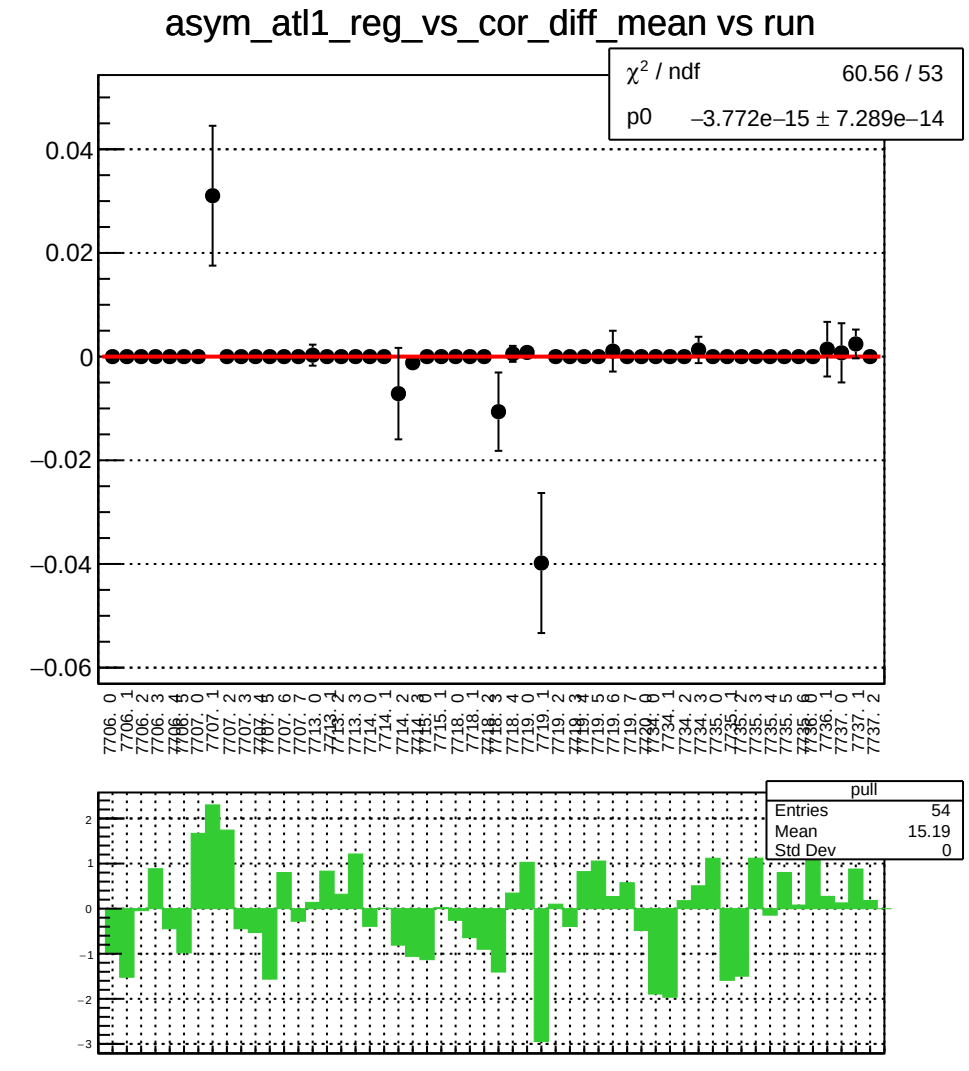

pull1D
Entries 54
Mean −0.02469
Std Dev 0.7627

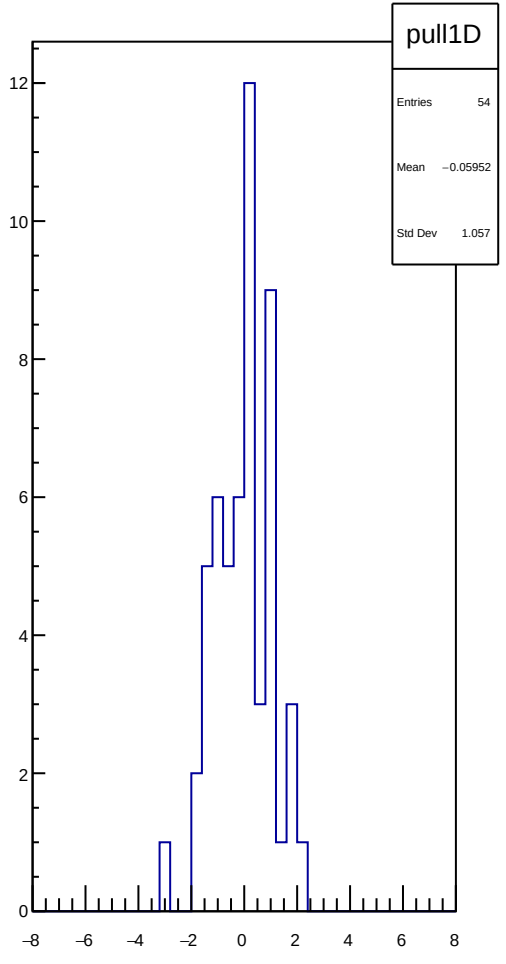

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 5.29e+04 / 53
p0 632 ± 0.6292
1000
900
800
700
600
500

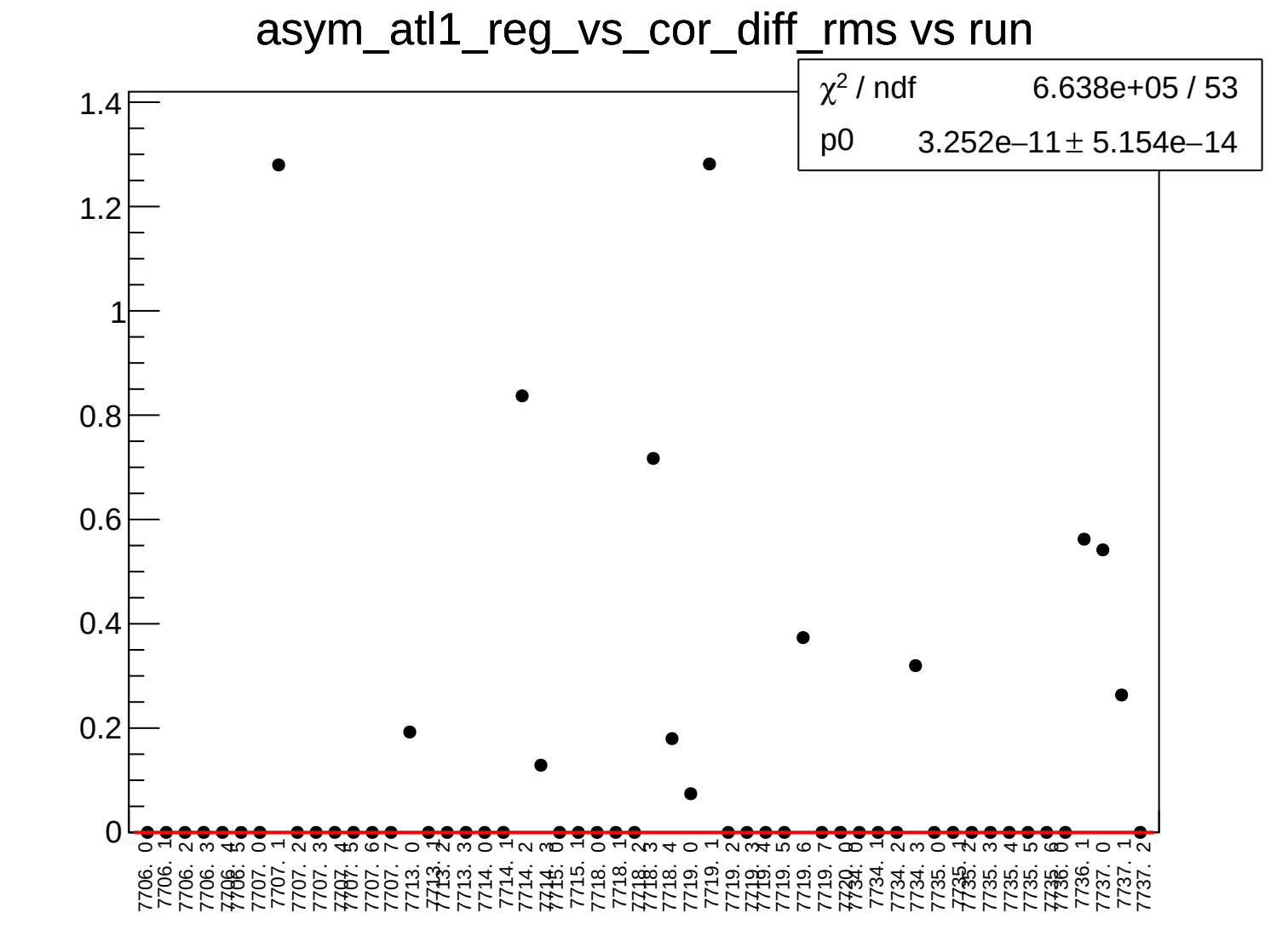

asym_atl1_mean vs run
χ² / ndf 63.26 / 53
p0 −2029 ± 3428
pull
Entries 54
Mean 501.7
Std Dev 0

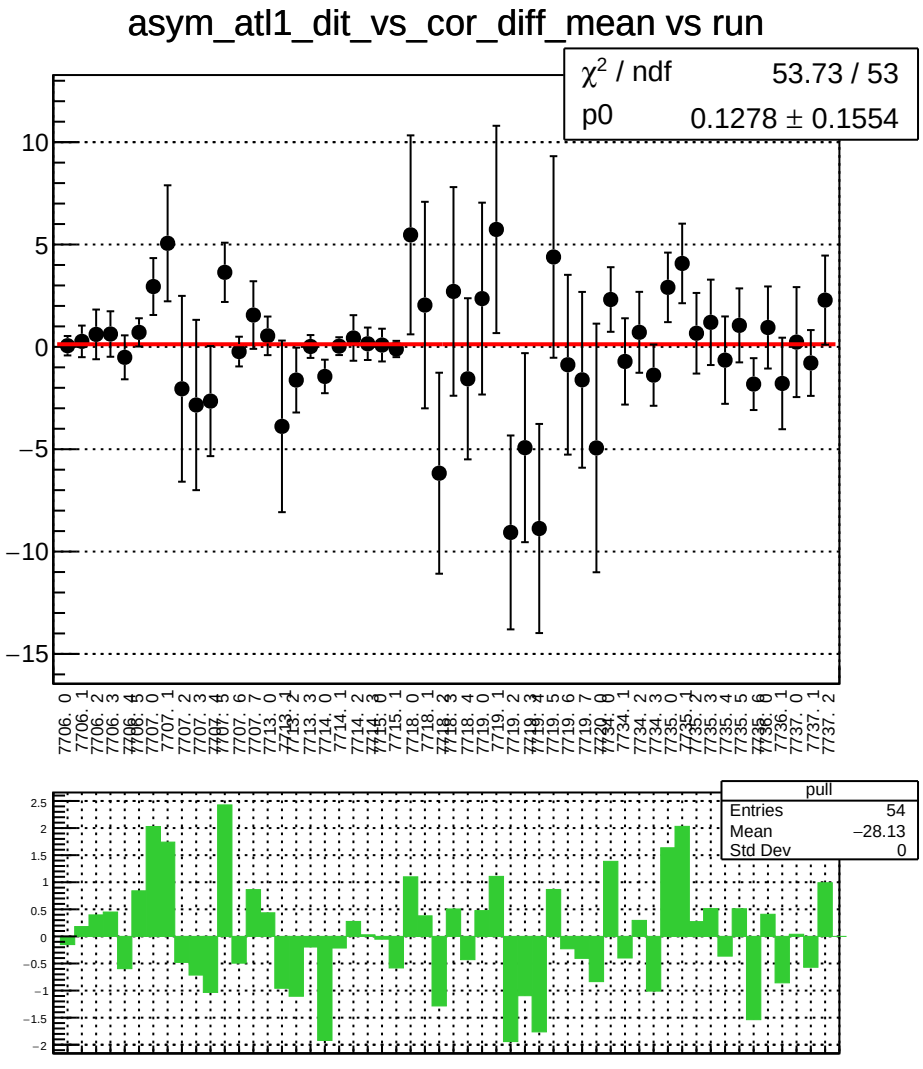

pull1D
Entries 54
Mean −0.009246
Std Dev 1.082

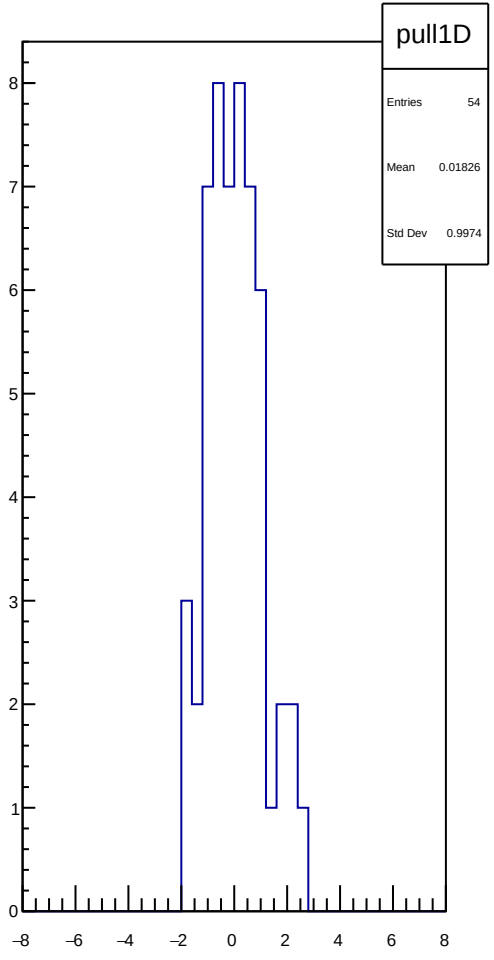

asym_atl1_rms vs run
χ² / ndf 1114 / 53
p0 2497 ± 2.424
2800
2700
2600
2500
2400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

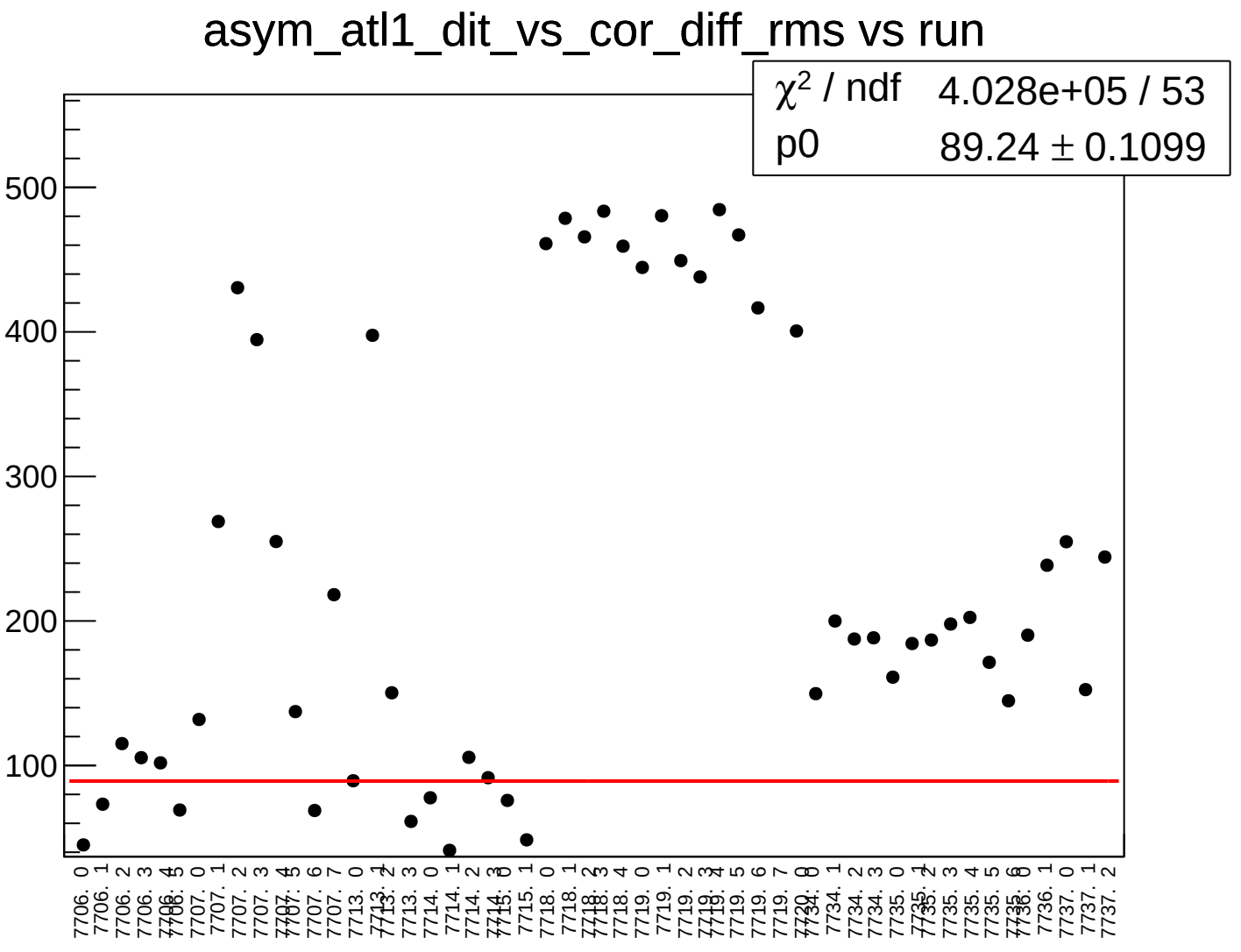

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 53
p0 −3.772e−15 ± 7.289e−14
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 15.19
Std Dev 0
2
1
0
−1
−2
−3

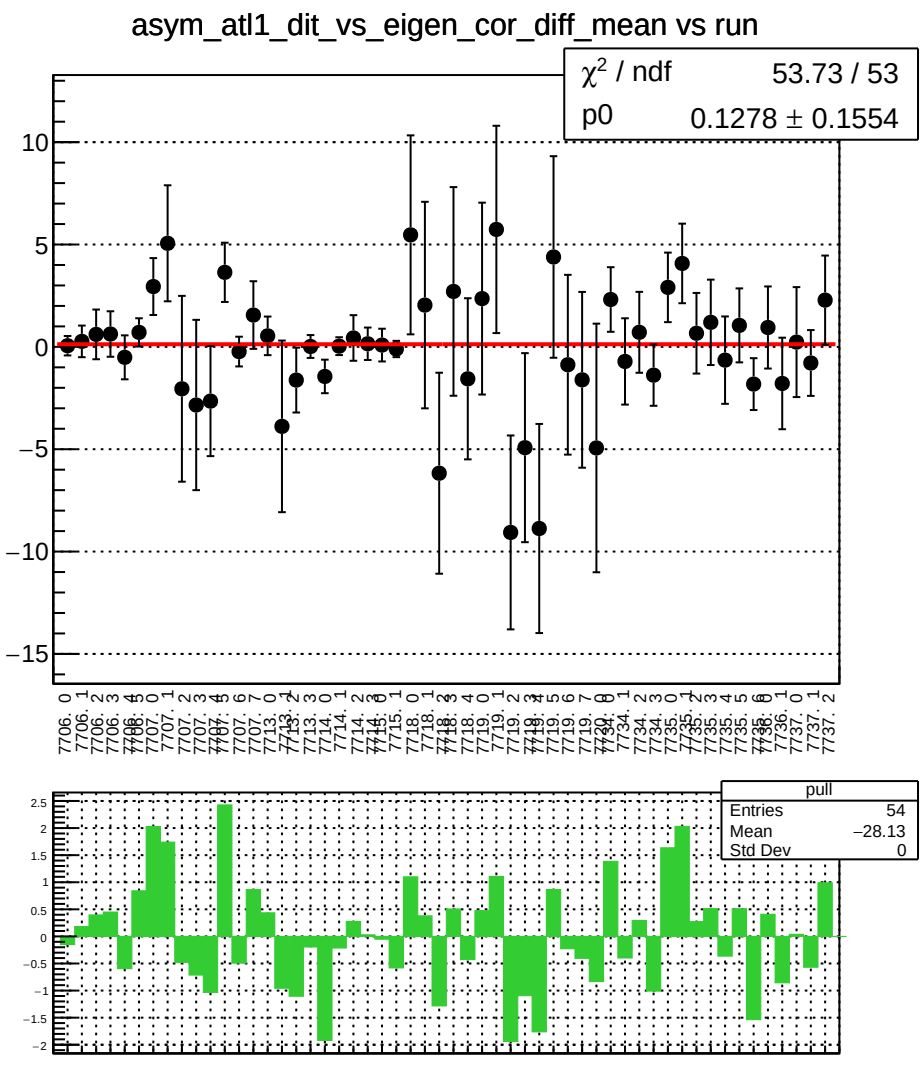

pull1D
Entries 54
Mean −0.05952
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

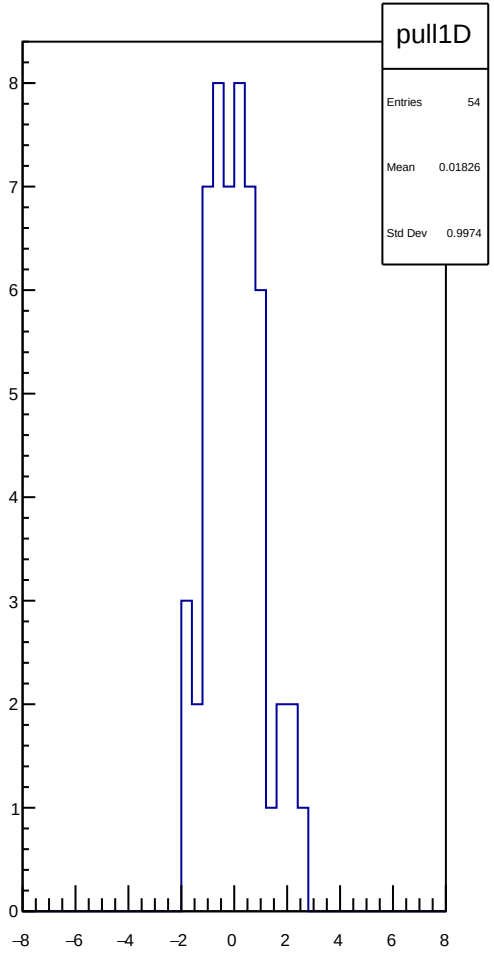

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.638e+05 / 53
p0 3.252e−11 ± 5.154e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

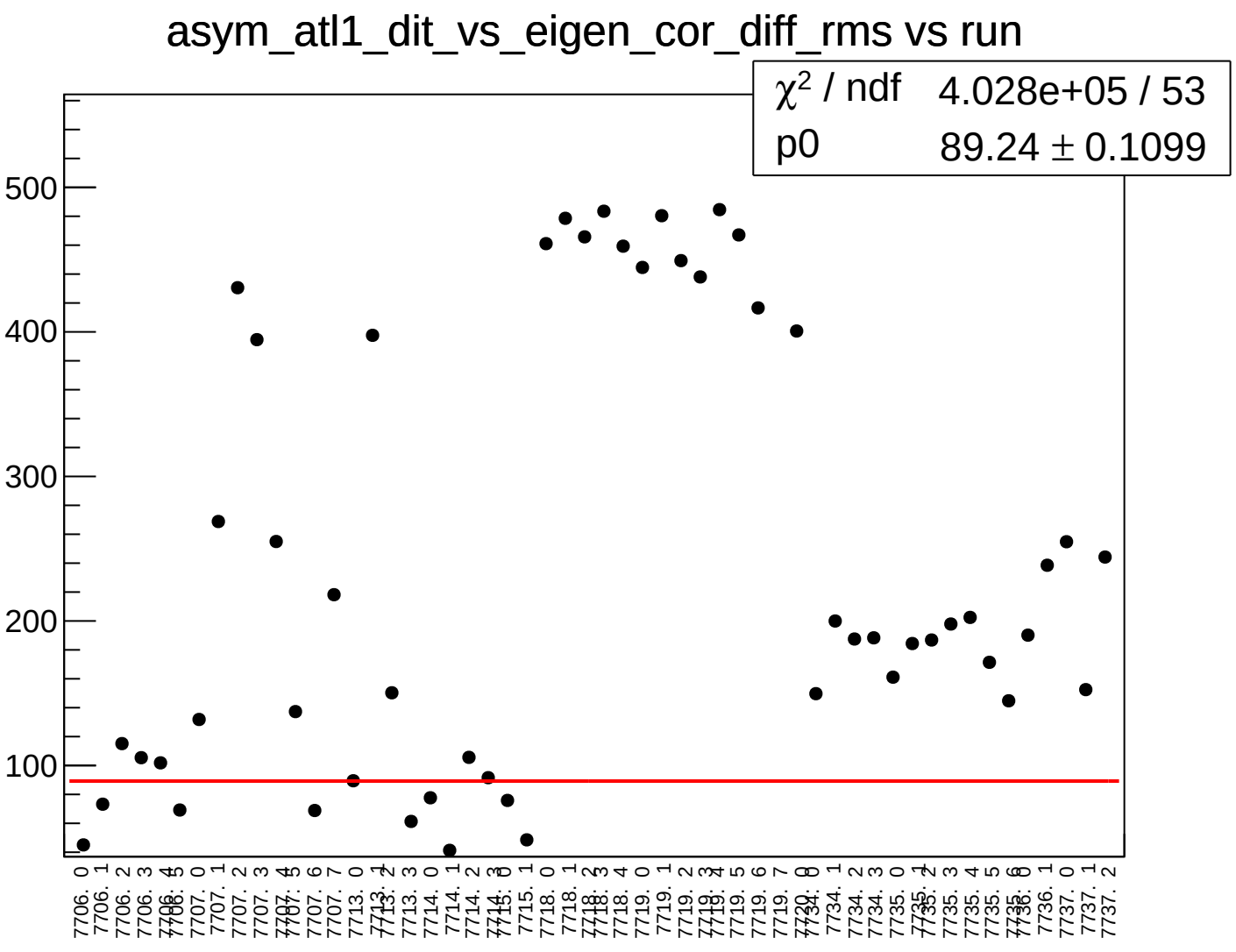

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 53.73 / 53
p0 0.1278 ± 0.1554
pull
Entries 54
Mean −28.13
Std Dev 0

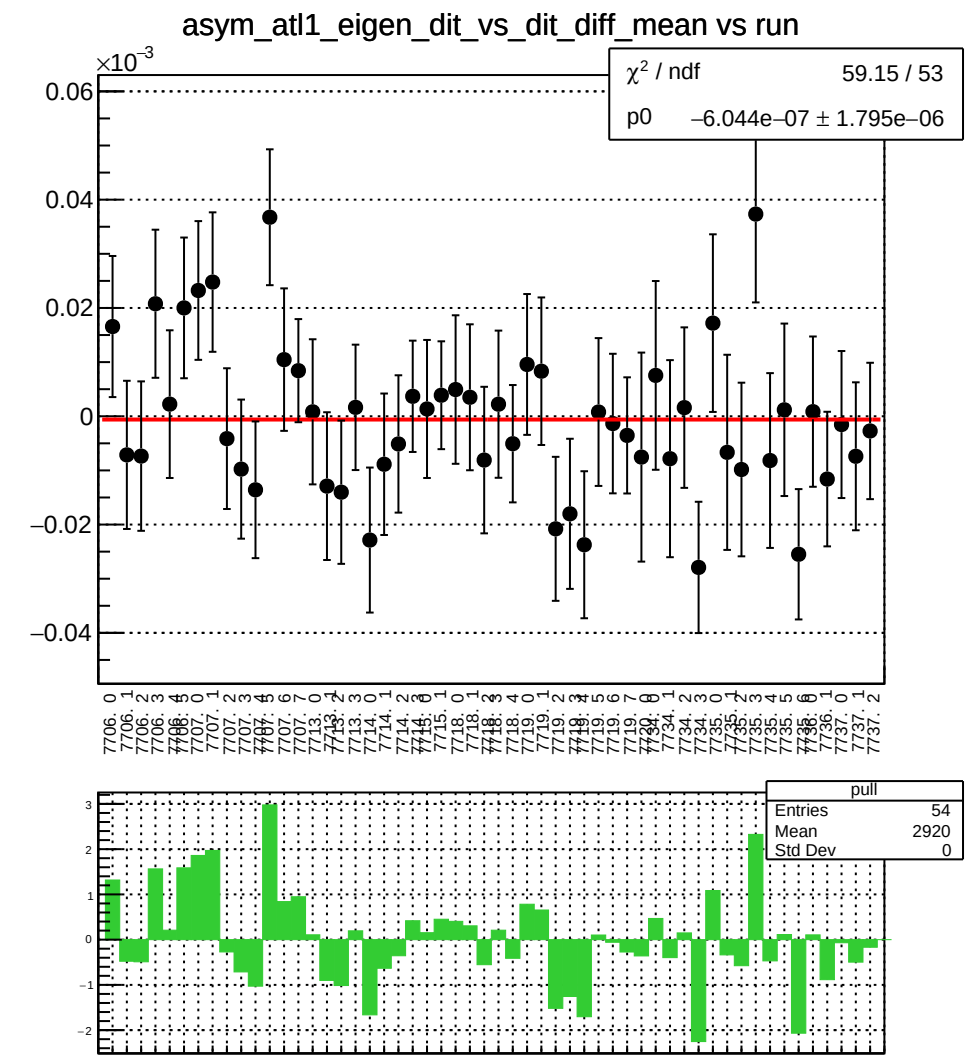

pull1D
Entries 54
Mean 0.01826
Std Dev 0.9974

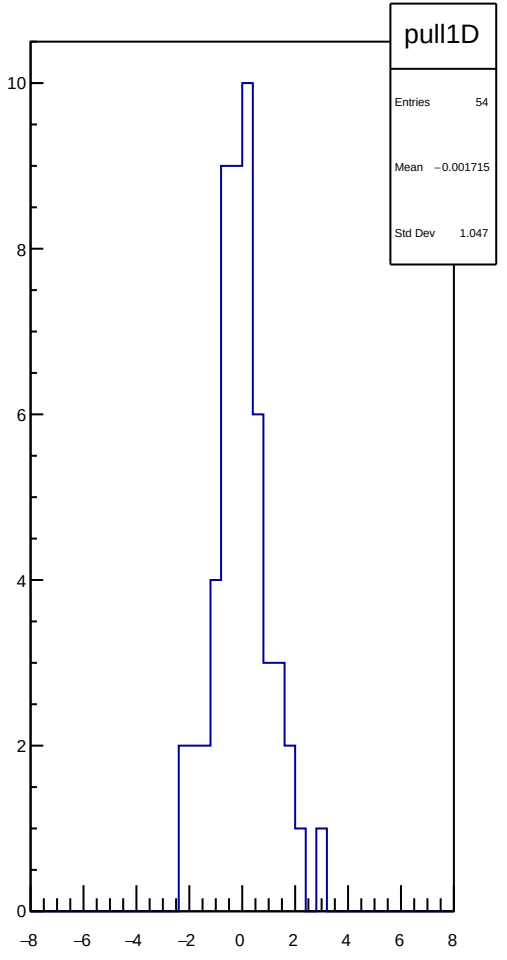

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 4.028e+05 / 53
p0 89.24 ± 0.1099
500
400
300
200
100

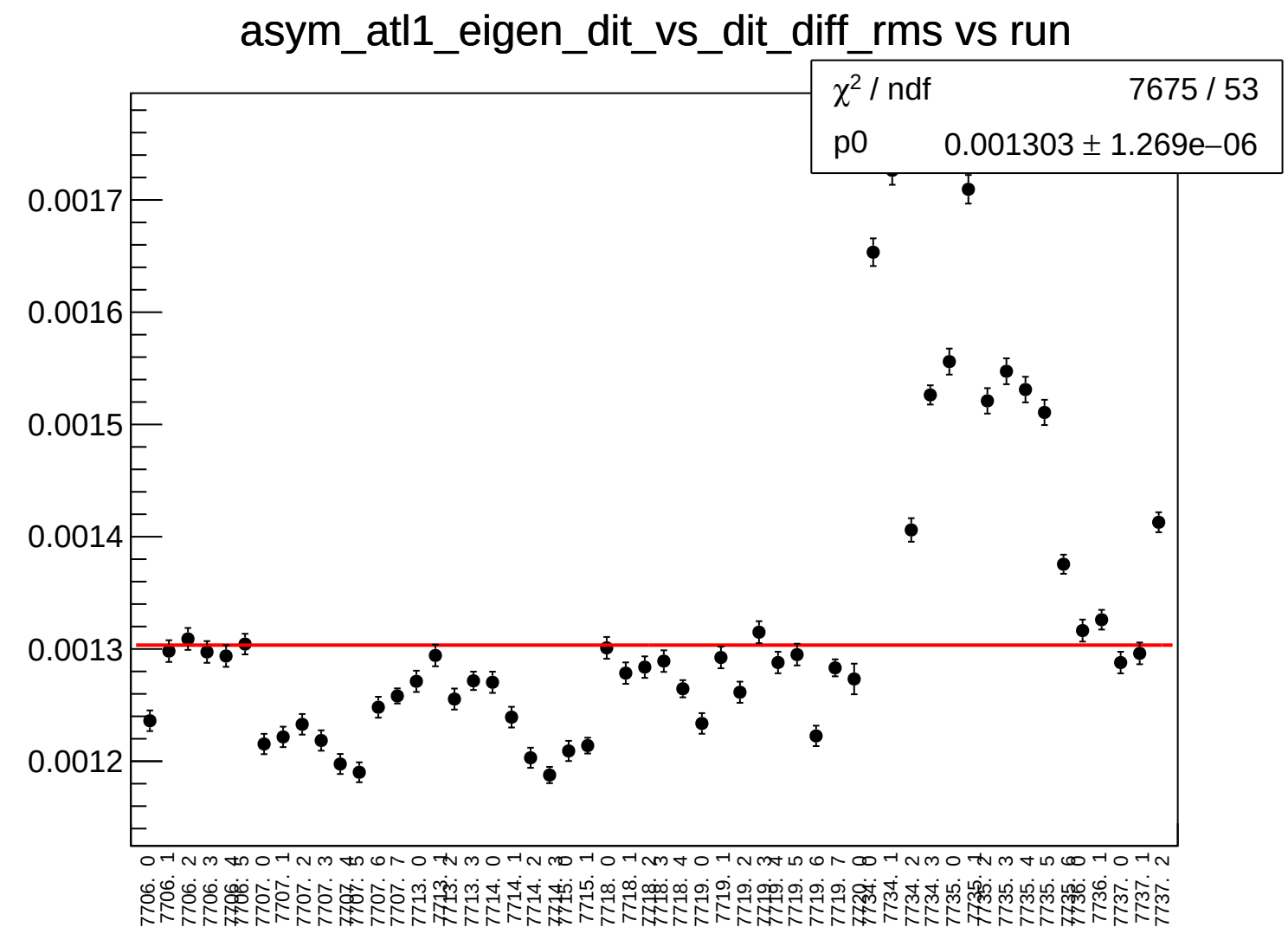

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.73 / 53
p0 0.1278 ± 0.1554
pull
Entries 54
Mean −28.13
Std Dev 0

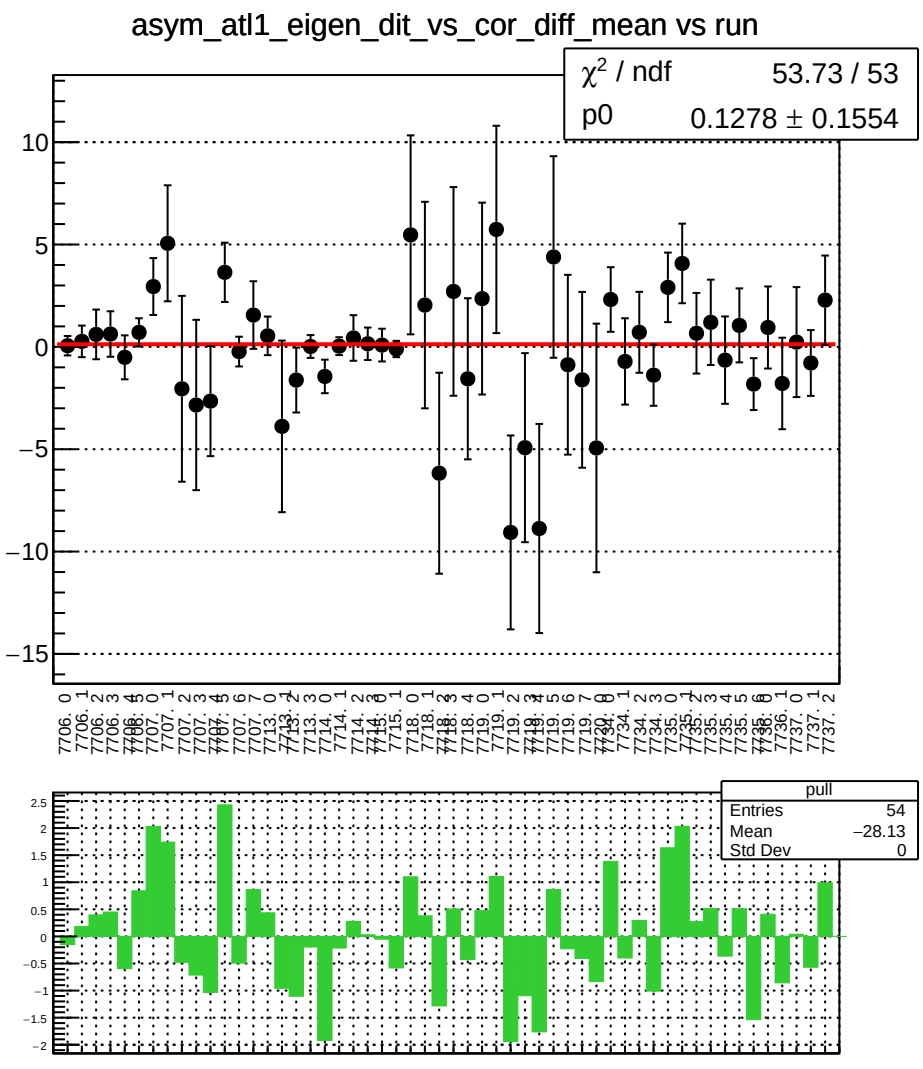

pull1D
Entries 54
Mean 0.01826
Std Dev 0.9974

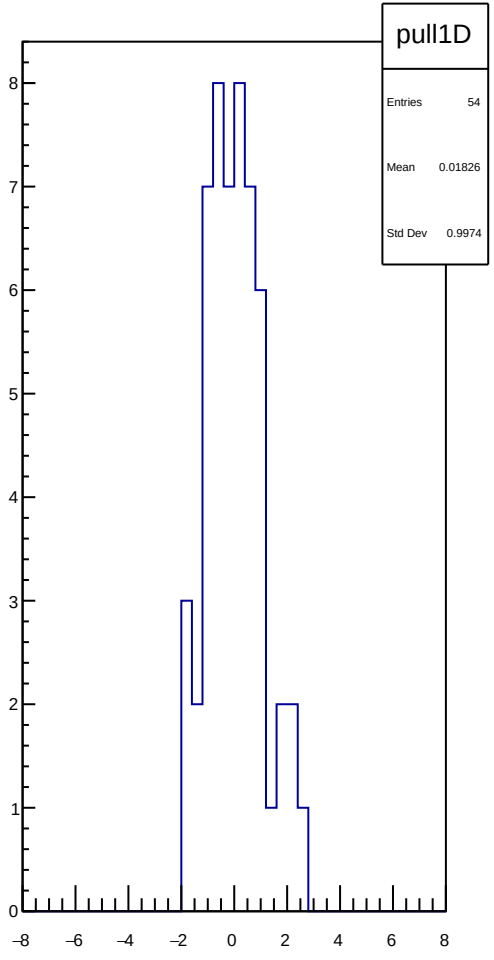

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.028e+05 / 53
p0 89.24 ± 0.1099
500
400
300
200
100

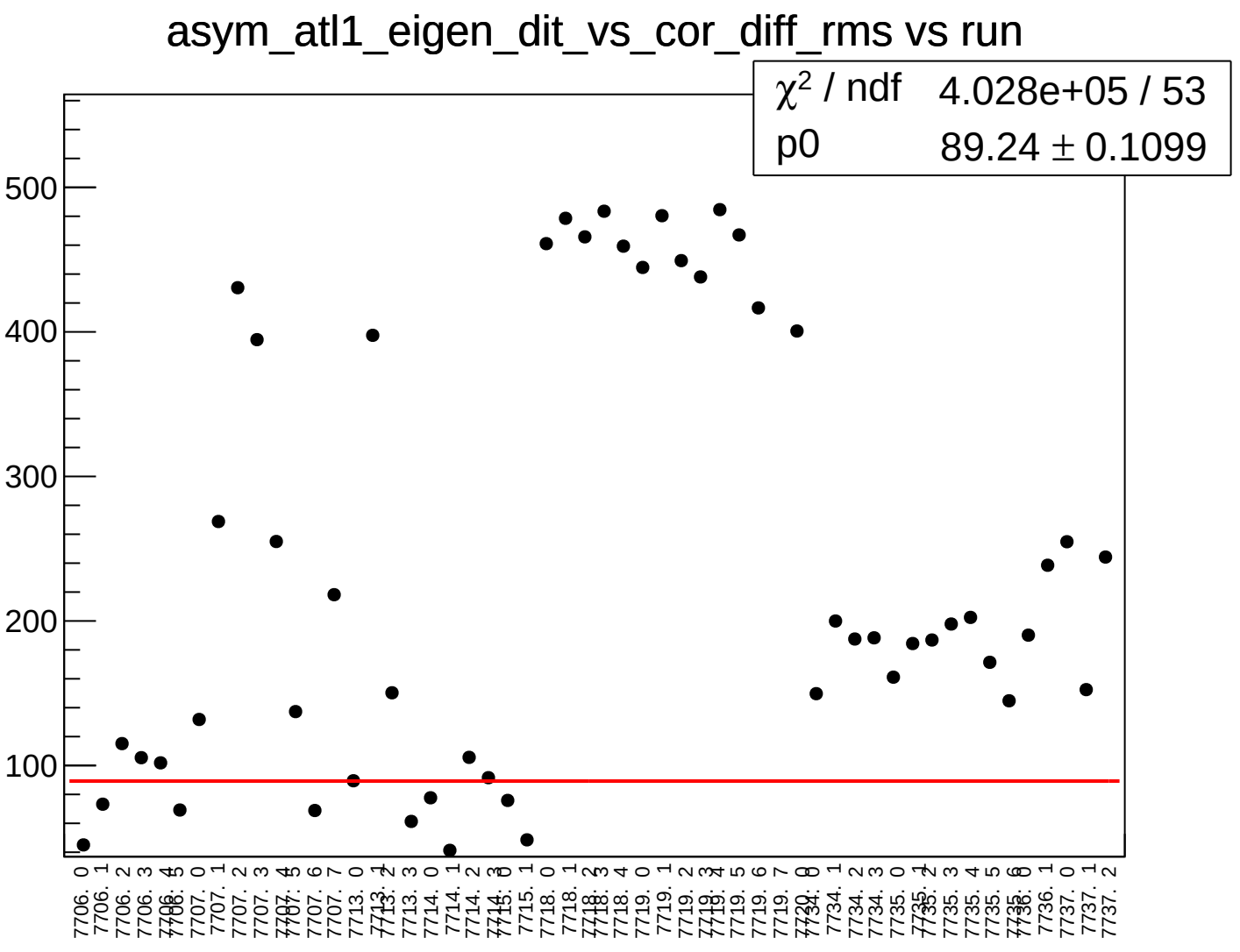

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.15 / 53
p0 −6.044e−07 ± 1.795e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 54
Mean 2920
Std Dev 0
3
2
1
0
−1
−2

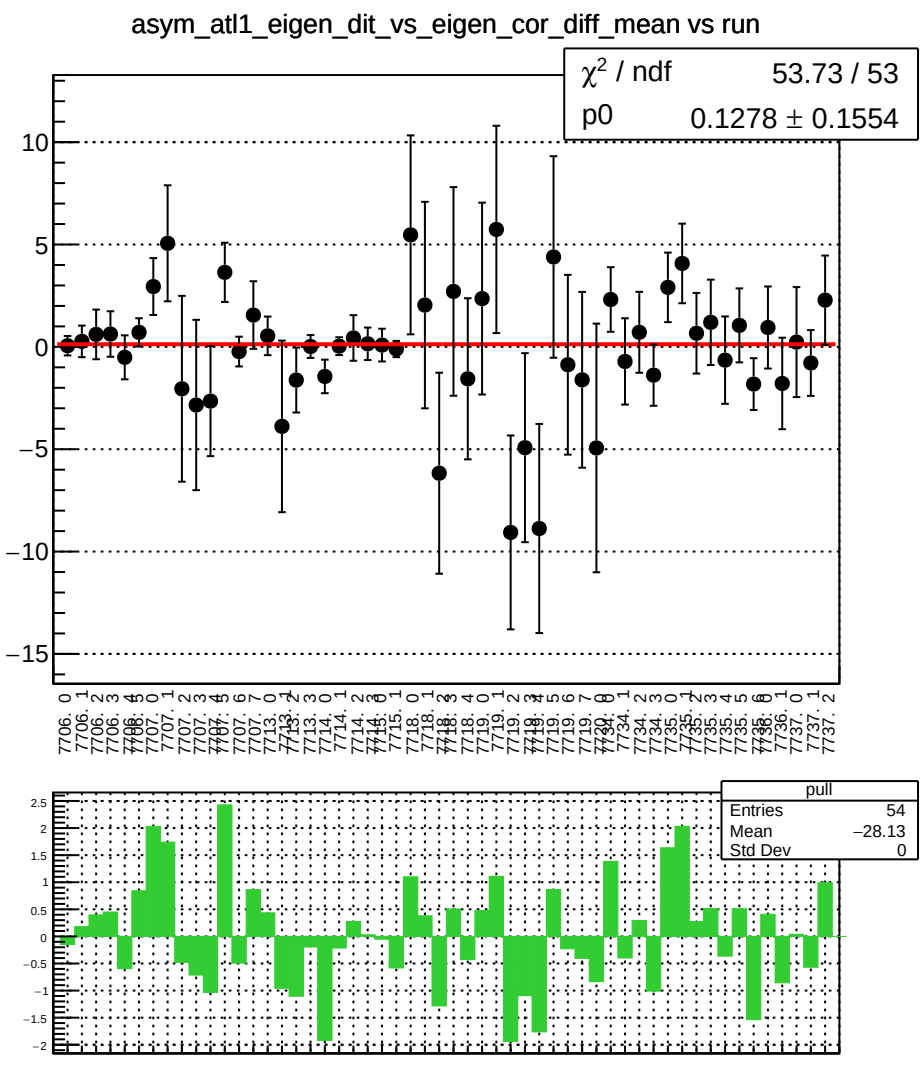

pull1D
Entries 54
Mean −0.001715
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

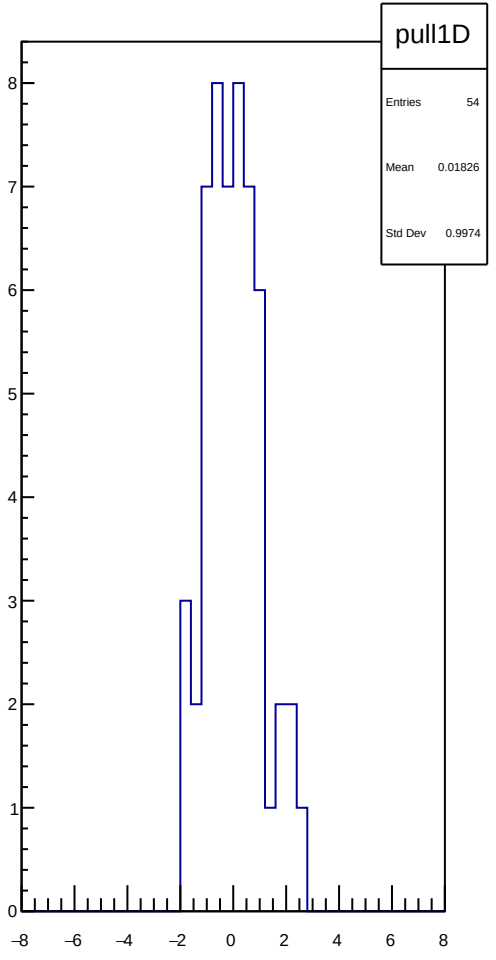

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7675 / 53
p0 0.001303 ± 1.269e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012

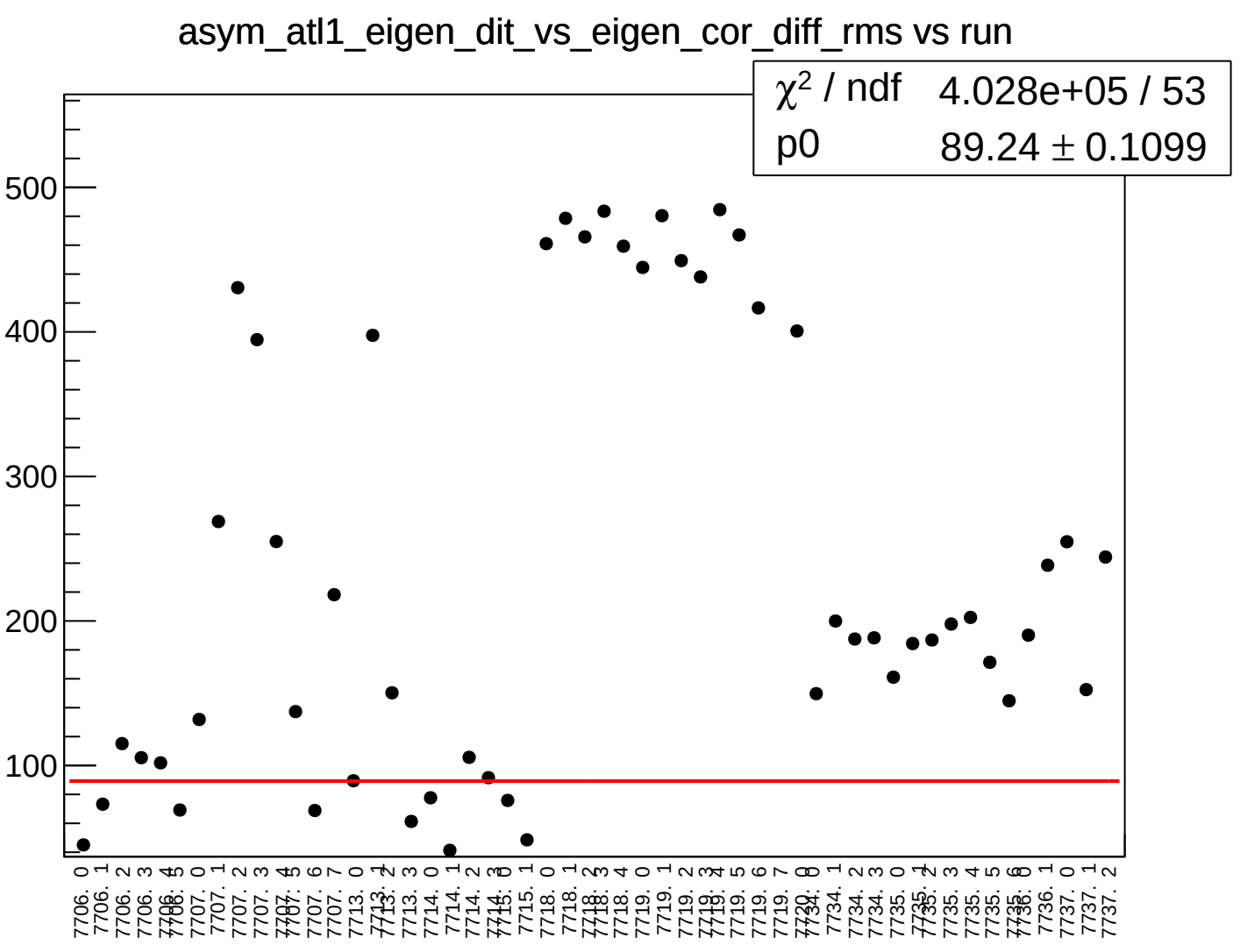

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.73 / 53
p0 0.1278 ± 0.1554
pull
Entries 54
Mean −28.13
Std Dev 0

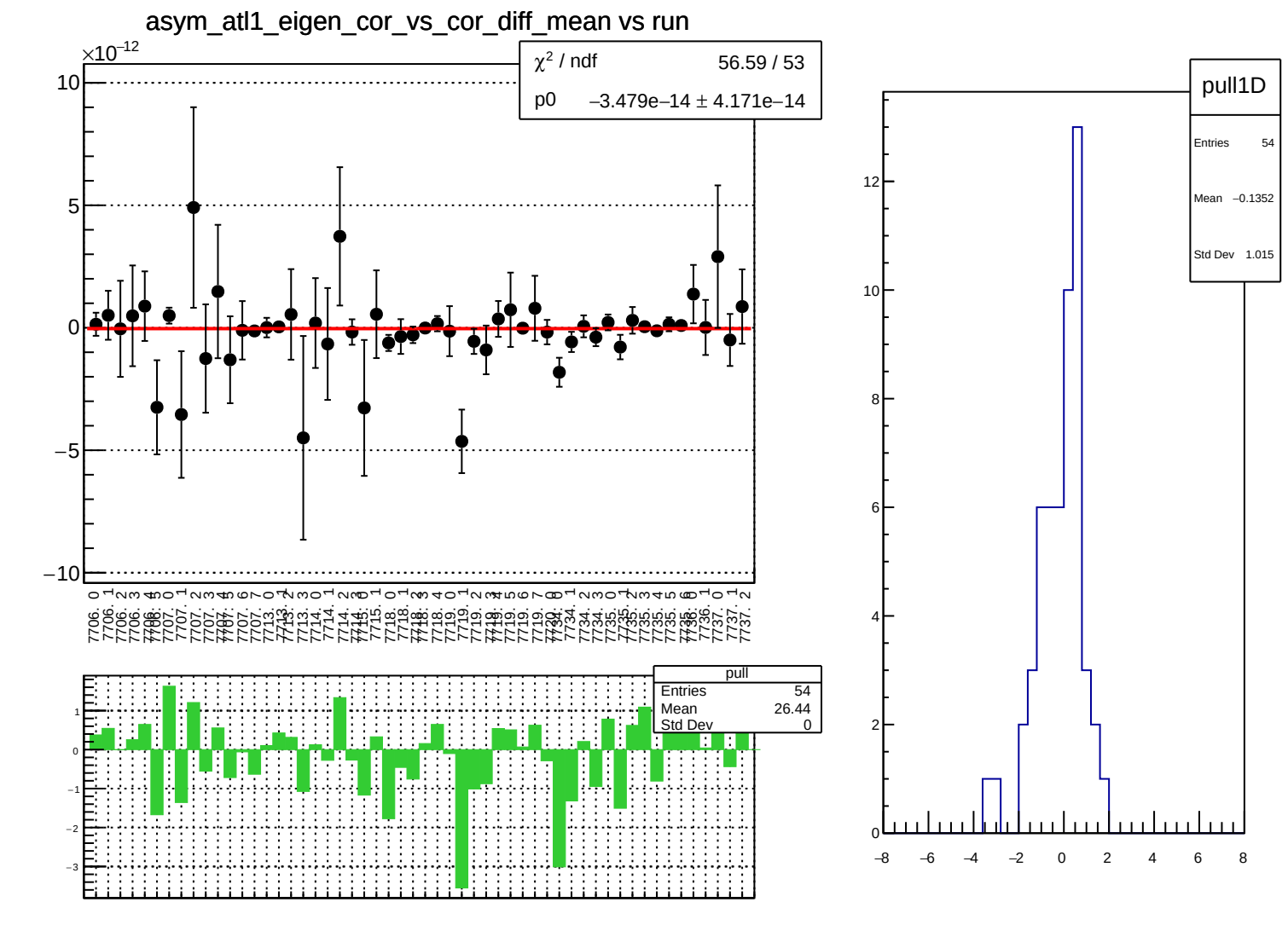

pull1D
Entries 54
Mean 0.01826
Std Dev 0.9974

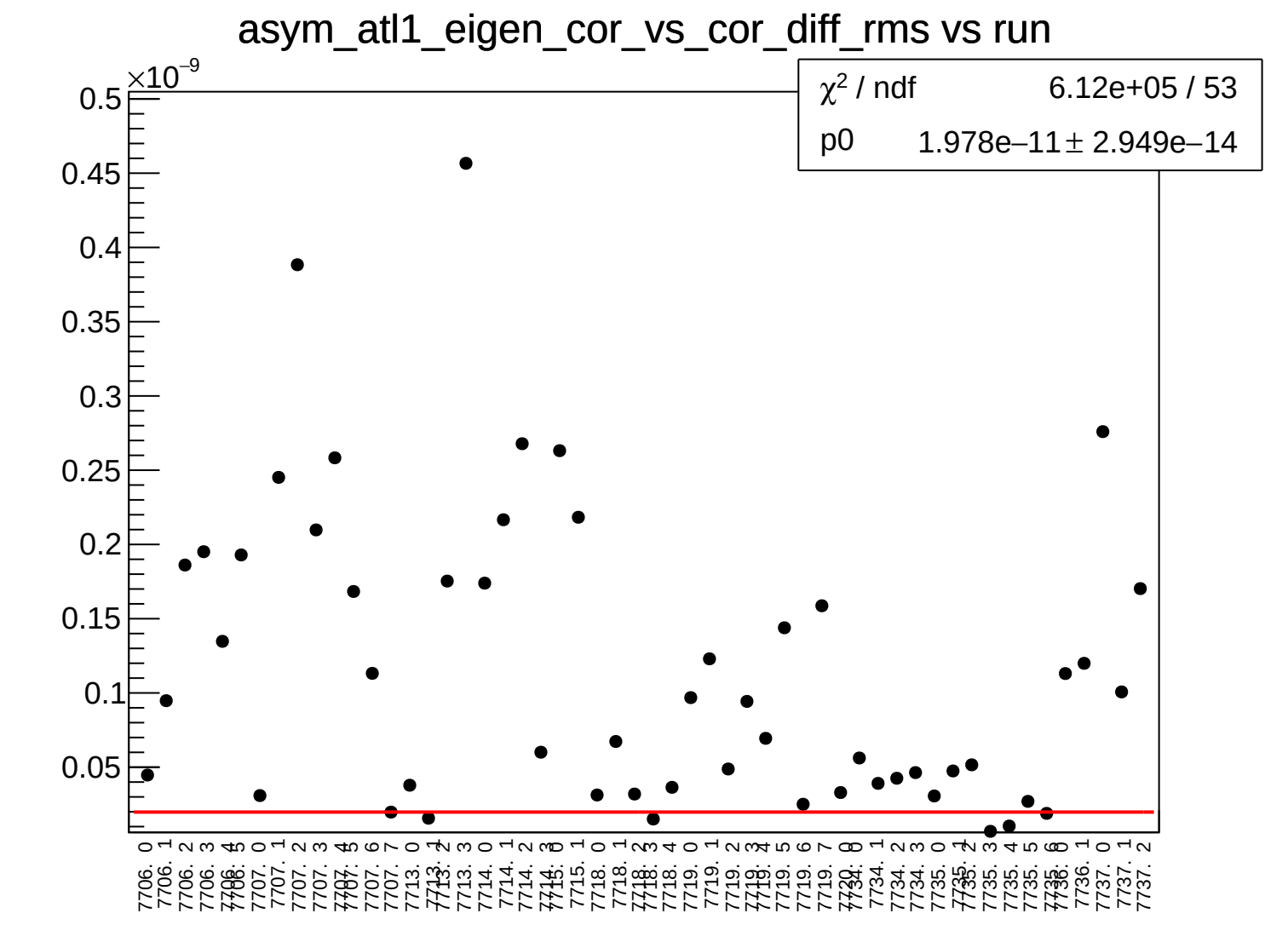

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.028e+05 / 53
p0 89.24 ± 0.1099
500
400
300
200
100

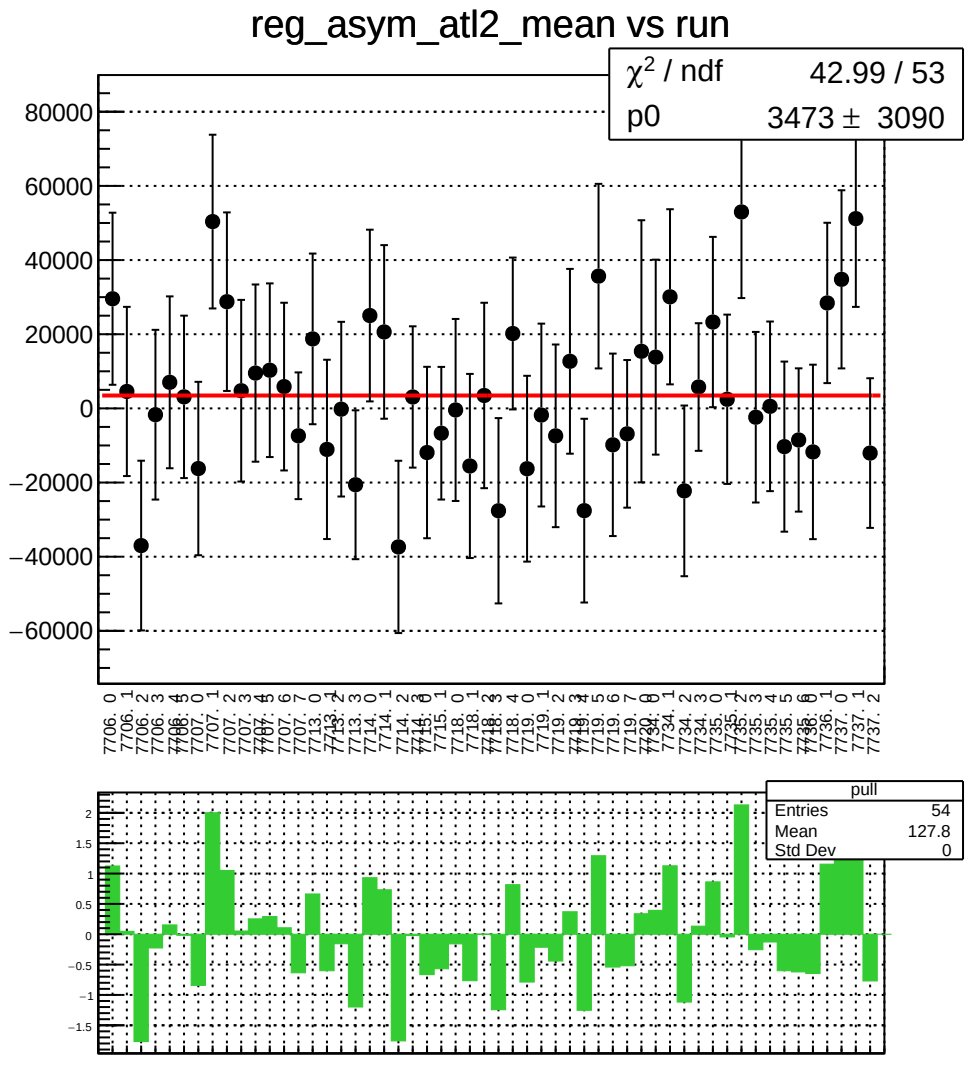

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.73 / 53
p0 0.1278 ± 0.1554
pull
Entries 54
Mean −28.13
Std Dev 0

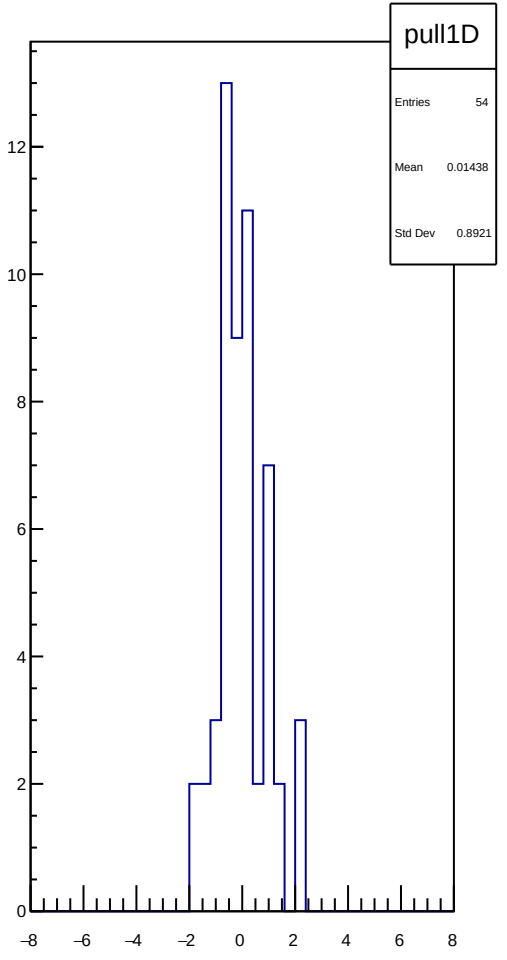

pull1D
Entries 54
Mean 0.01826
Std Dev 0.9974

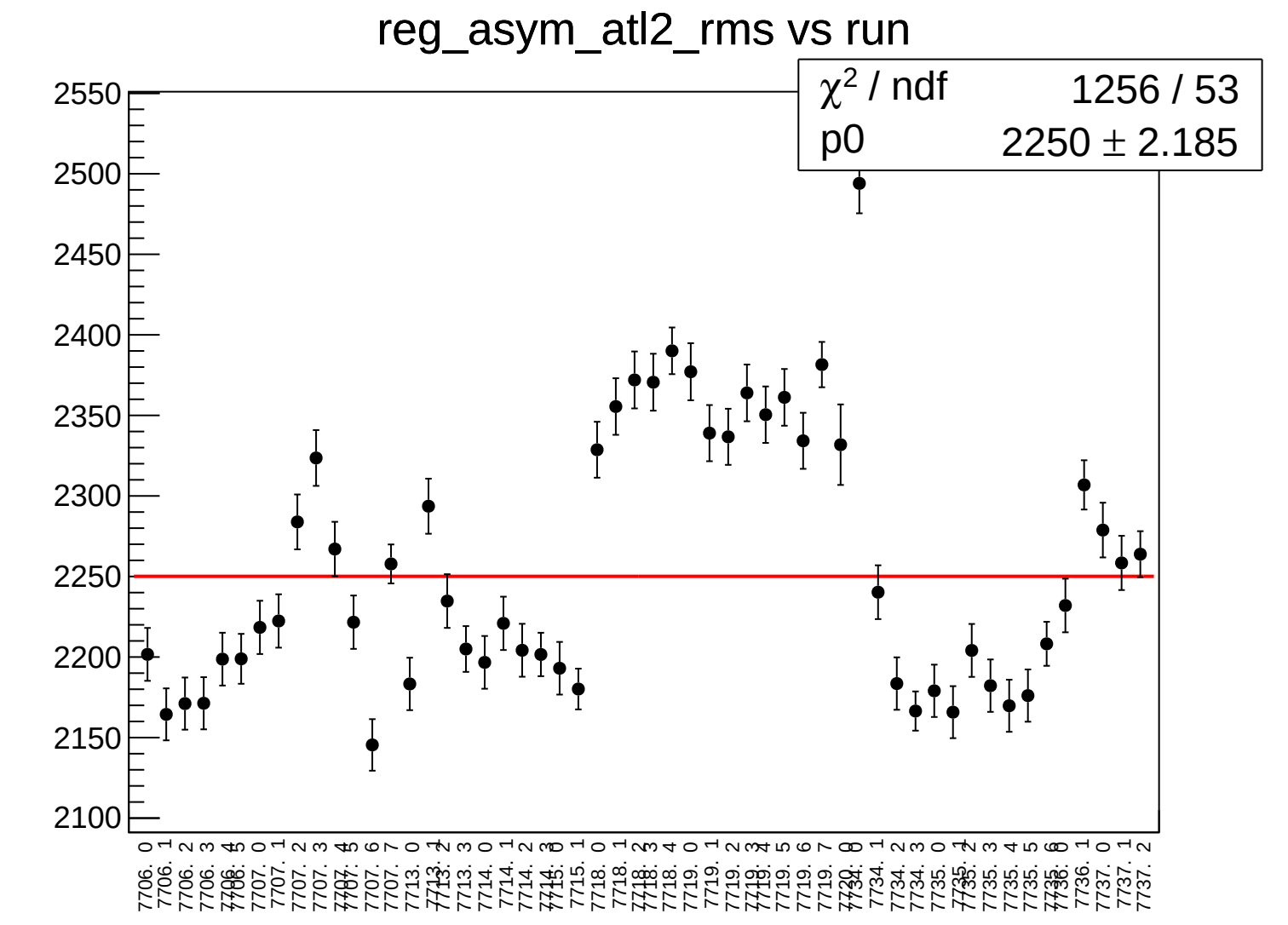

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.028e+05 / 53
p0 89.24 ± 0.1099
500
400
300
200
100

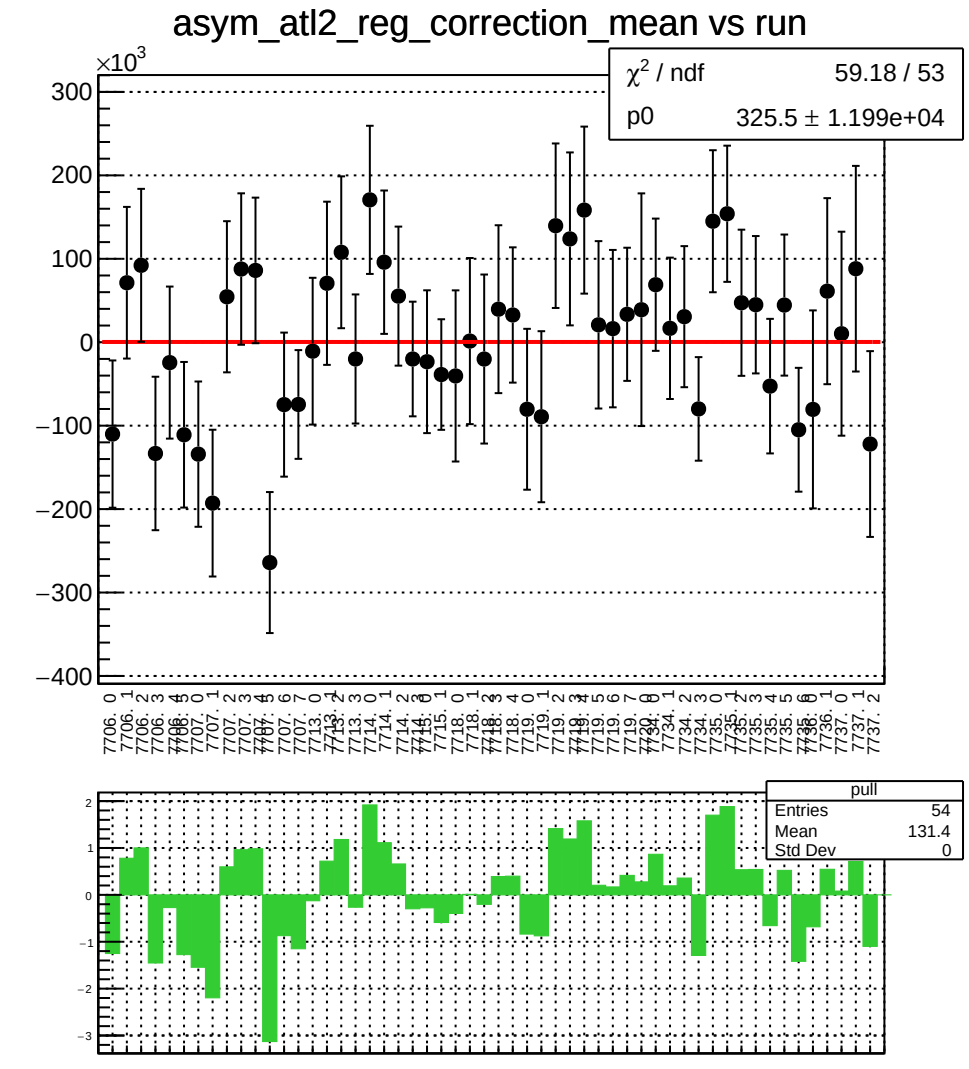

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.59 / 53
p0 −3.479e−14 ± 4.171e−14
pull
Entries 54
Mean 26.44
Std Dev 0
pull1D
Entries 54
Mean −0.1352
Std Dev 1.015

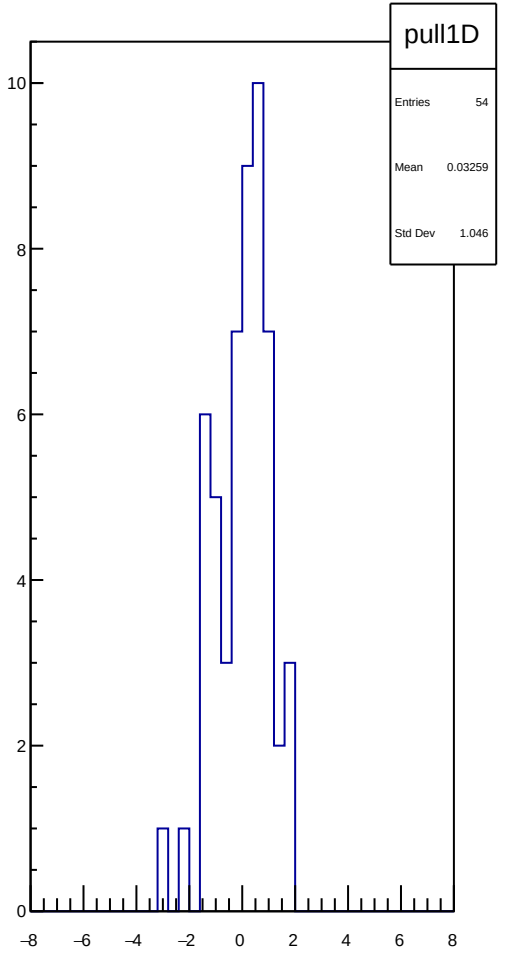

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.12e+05 / 53
p0 1.978e−11 ± 2.949e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

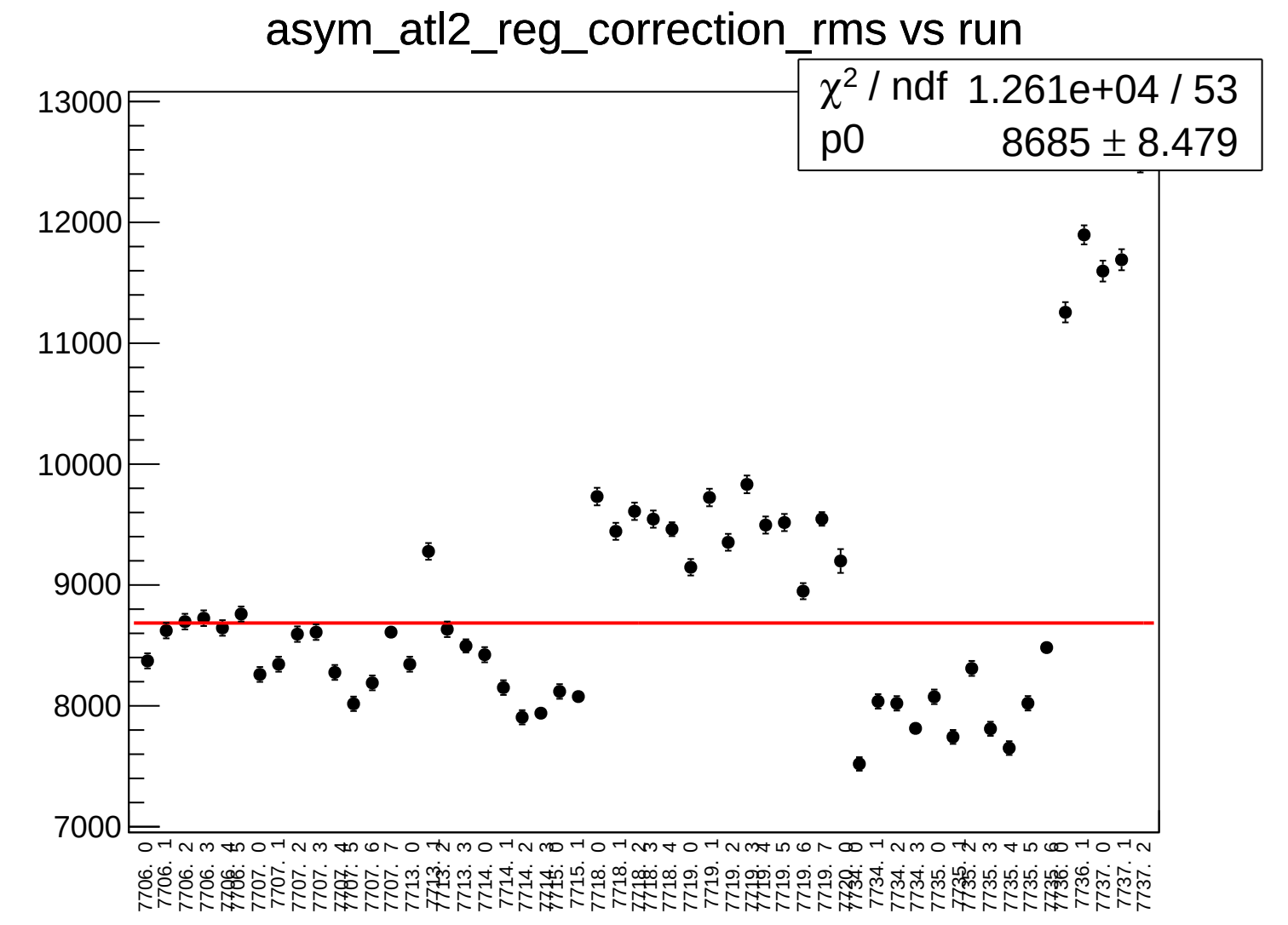

reg_asym_atl2_mean vs run
χ² / ndf 42.99 / 53
p0 3473 ± 3090
pull
Entries 54
Mean 127.8
Std Dev 0

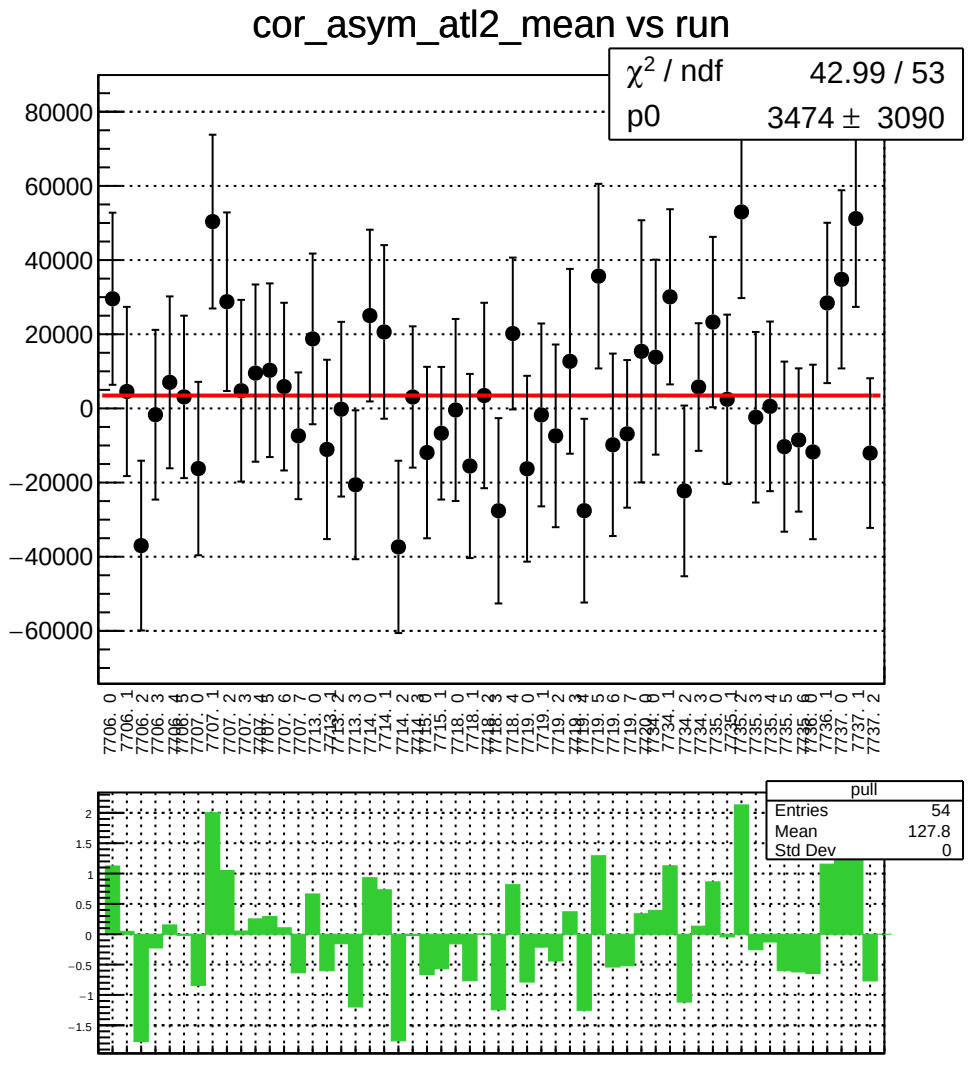

pull1D
Entries 54
Mean 0.01438
Std Dev 0.8921

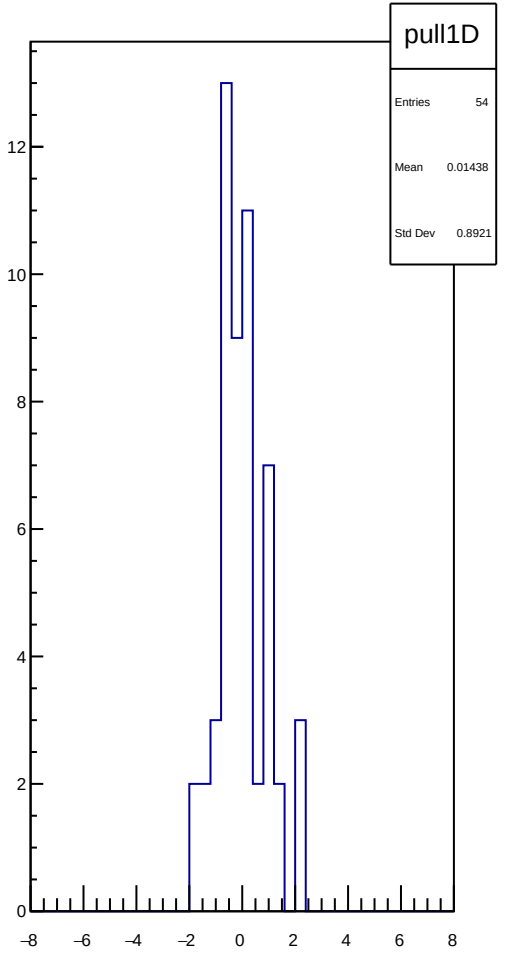

reg_asym_atl2_rms vs run
χ^2 / ndf 1256 / 53
p0 2250 ± 2.185
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

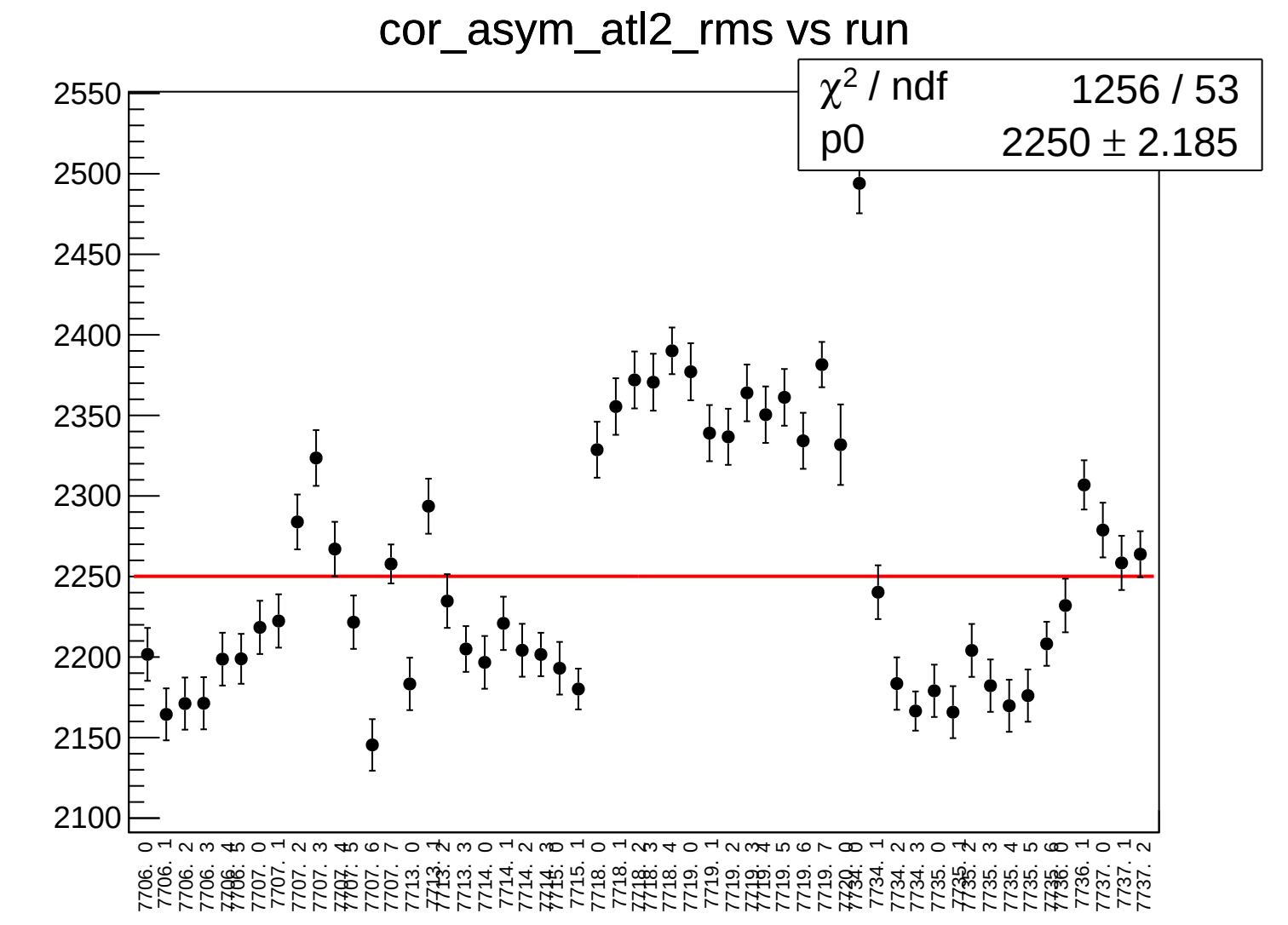

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 59.18 / 53
p0 325.5 ± 1.199e+04
pull
Entries 54
Mean 131.4
Std Dev 0

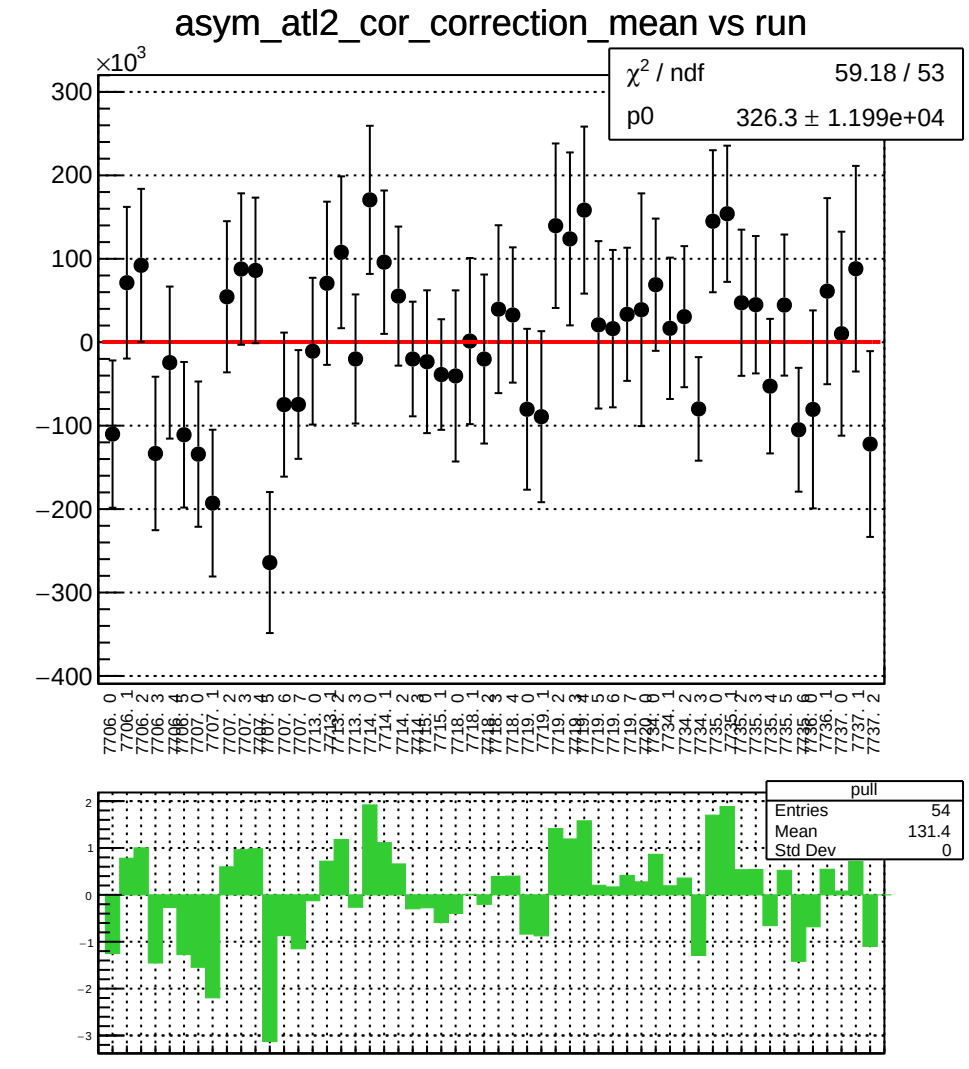

pull1D
Entries 54
Mean 0.03259
Std Dev 1.046

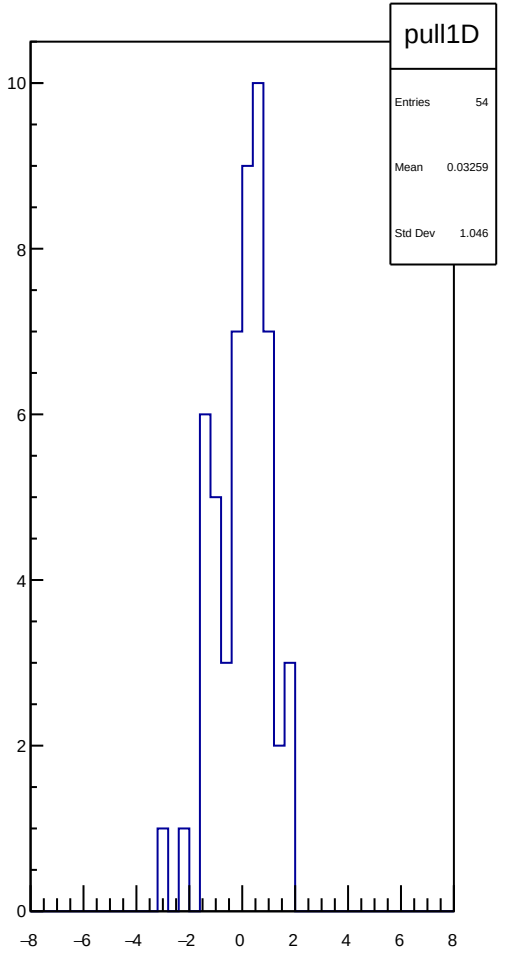

asym_atl2_reg_correction_rms vs run
χ² / ndf 1.261e+04 / 53
p0 8685 ± 8.479
13000
12000
11000
10000
9000
8000
7000

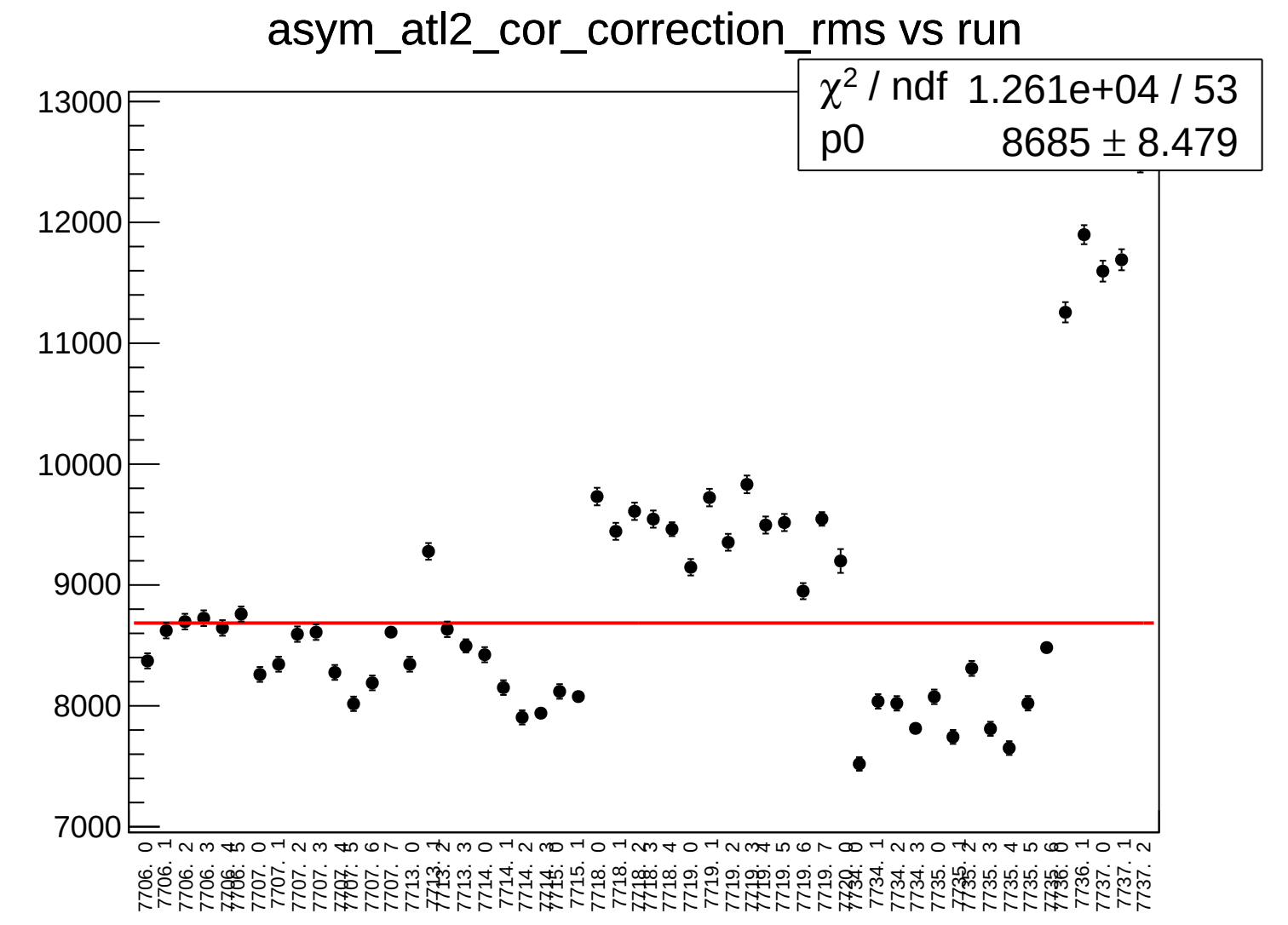

cor_asym_atl2_mean vs run
χ² / ndf 42.99 / 53
p0 3474 ± 3090
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 127.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

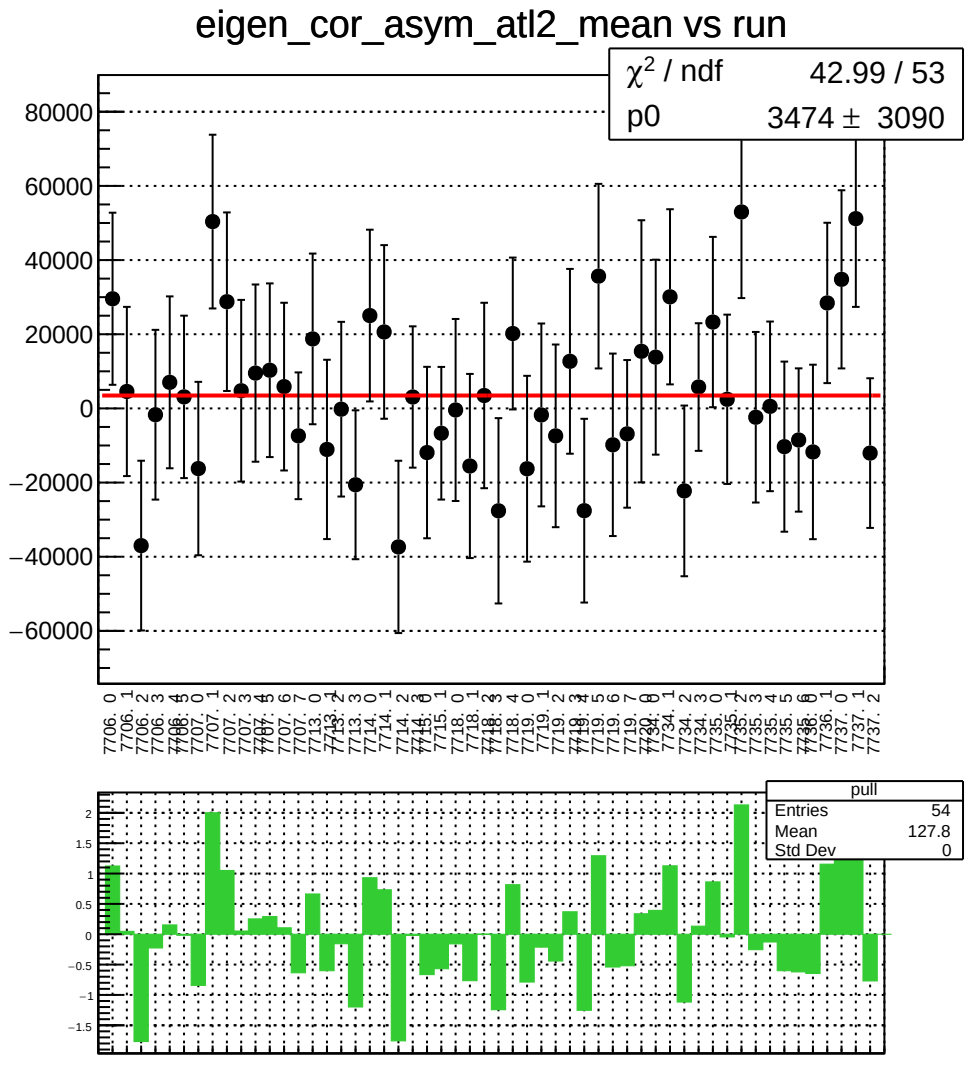

pull1D
Entries 54
Mean 0.01438
Std Dev 0.8921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

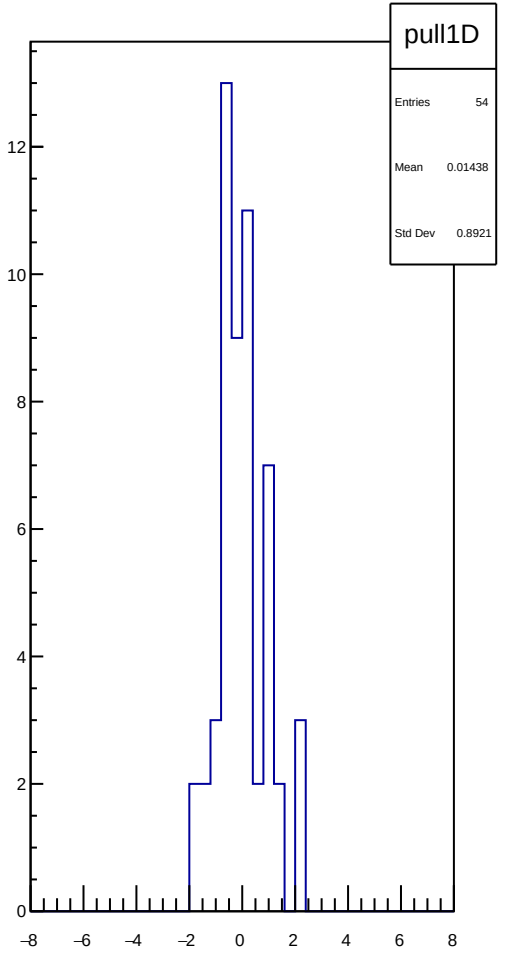

cor_asym_atl2_rms vs run
χ² / ndf 1256 / 53
p0 2250 ± 2.185
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

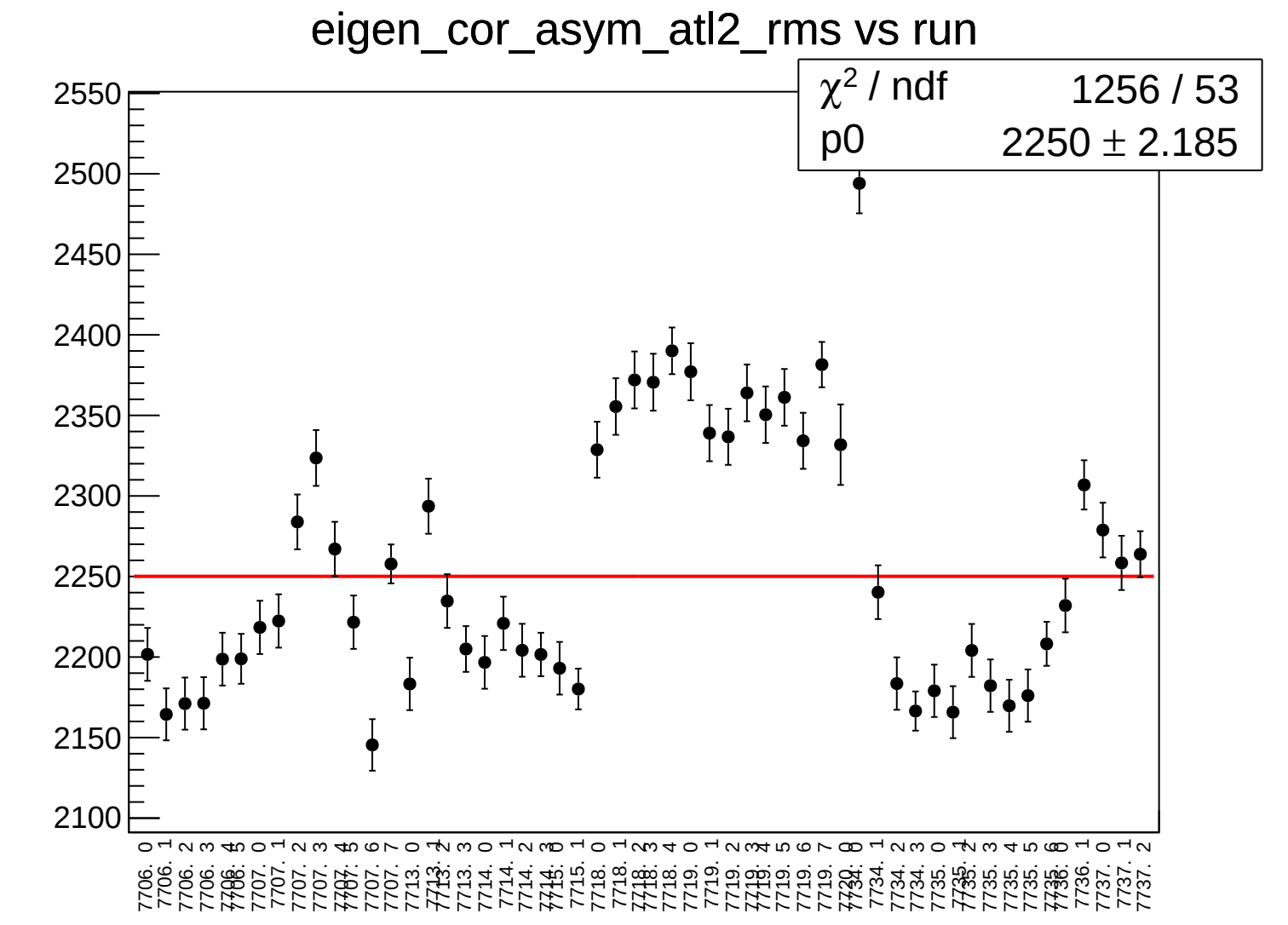

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 59.18 / 53
p0 326.3 ± 1.199e+04
pull
Entries 54
Mean 131.4
Std Dev 0

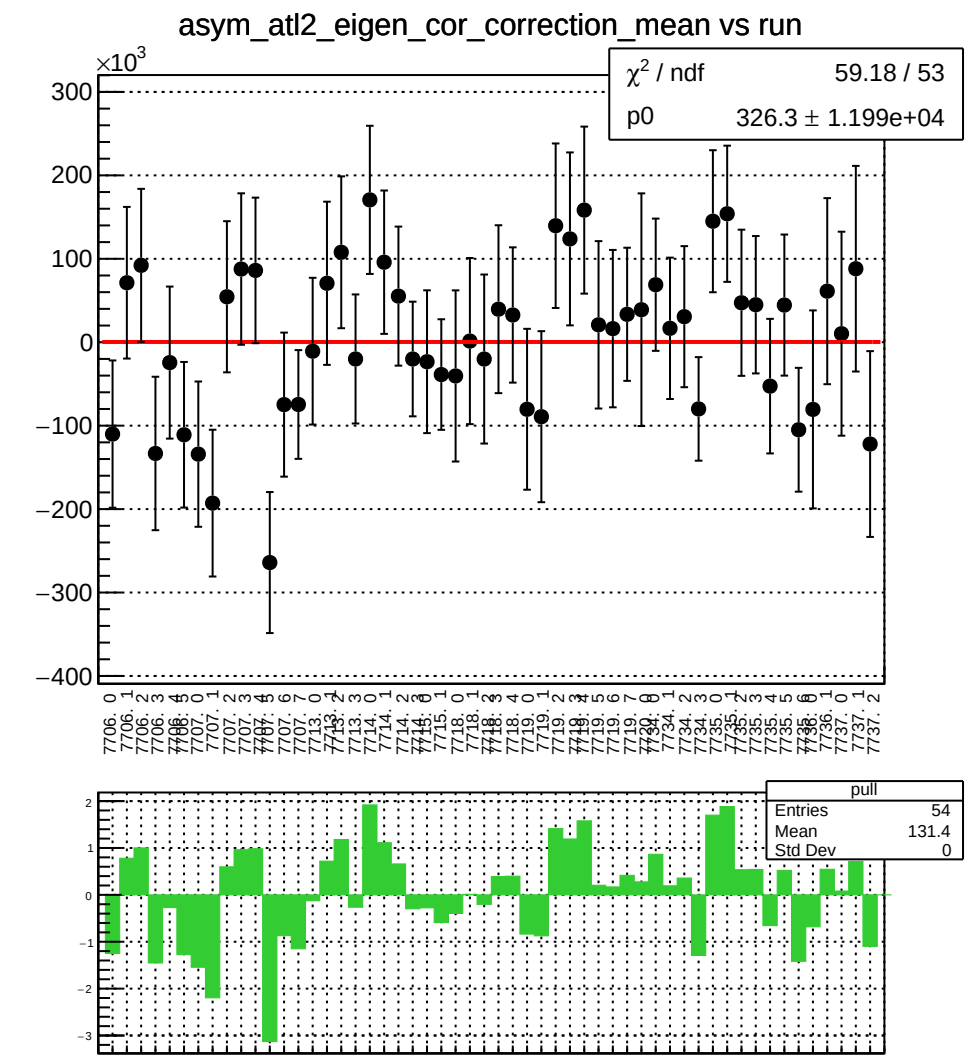

pull1D
Entries 54
Mean 0.03259
Std Dev 1.046

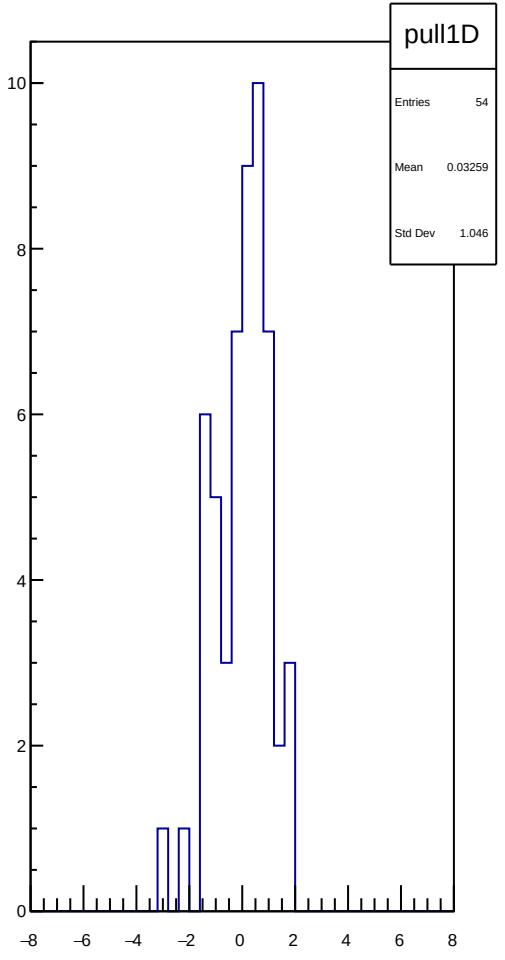

asym_atl2_cor_correction_rms vs run
χ² / ndf 1.261e+04 / 53
p0 8685 ± 8.479
13000
12000
11000
10000
9000
8000
7000

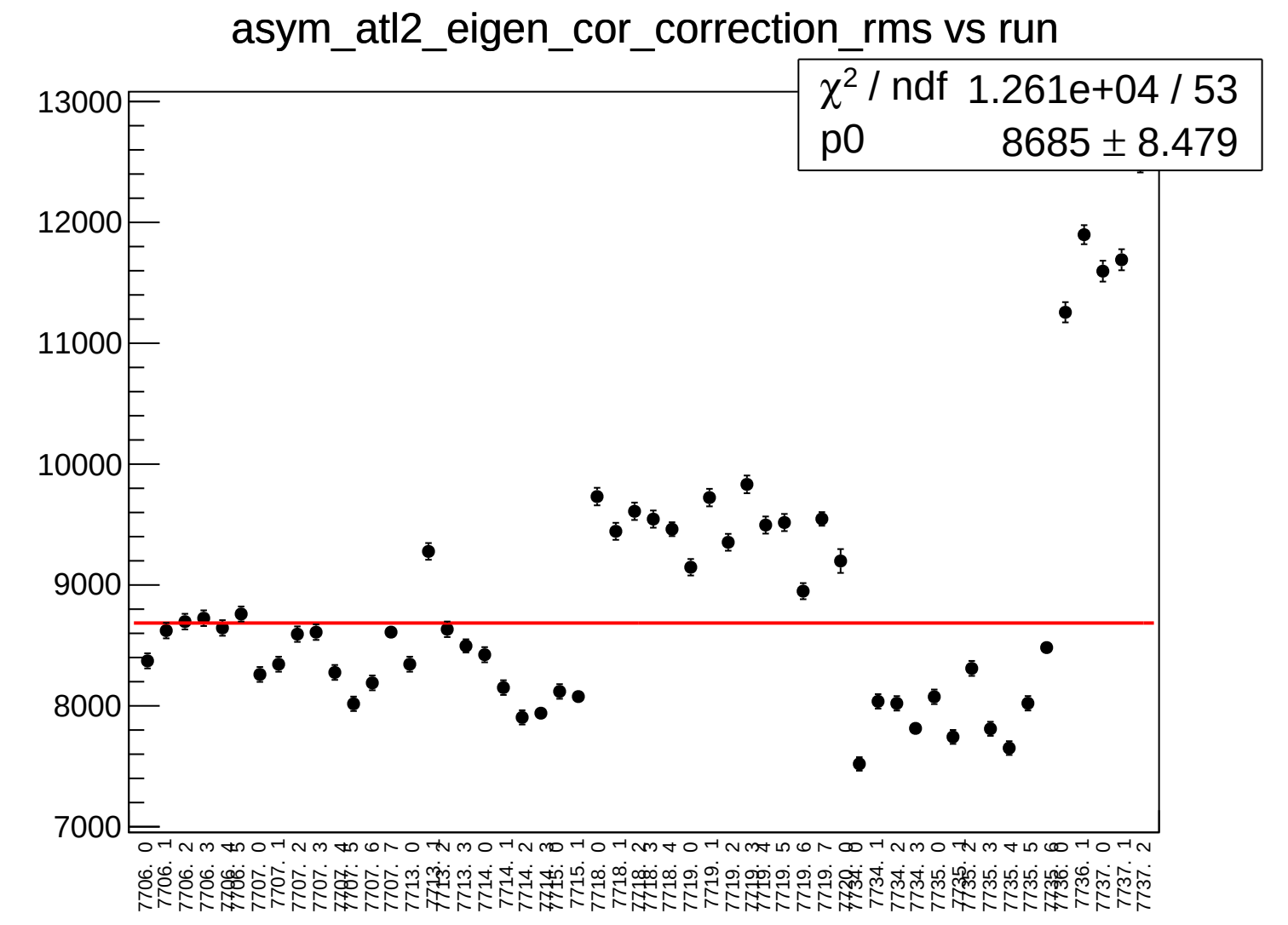

eigen_cor_asym_atl2_mean vs run
χ² / ndf 42.99 / 53
p0 3474 ± 3090
pull
Entries 54
Mean 127.8
Std Dev 0

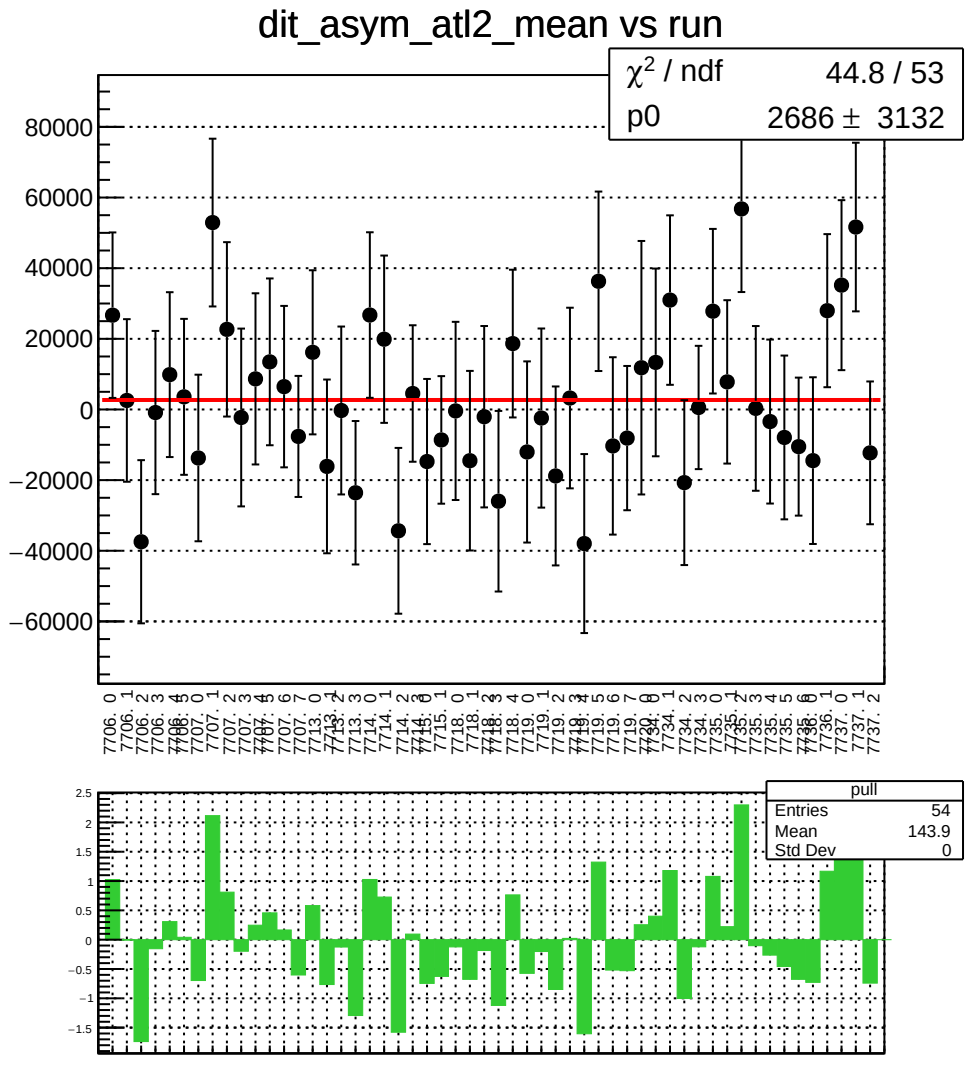

pull1D
Entries 54
Mean 0.01438
Std Dev 0.8921

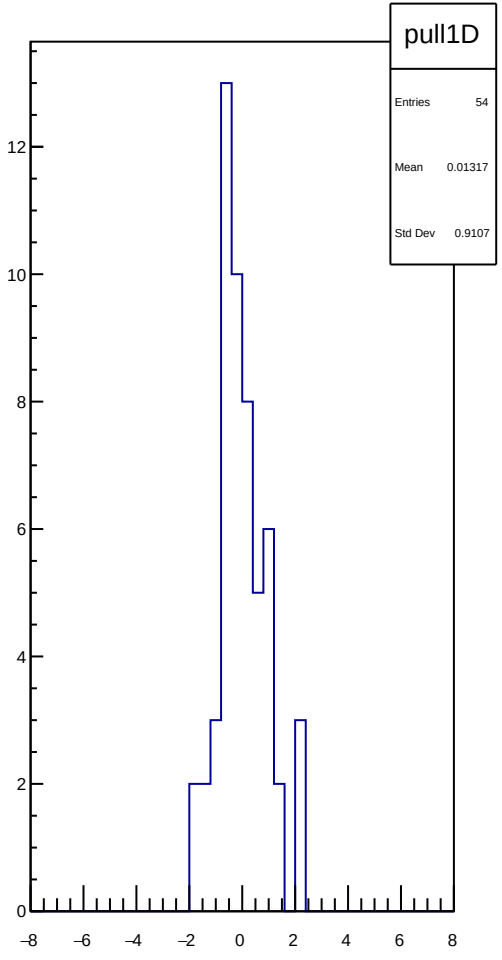

eigen_cor_asym_atl2_rms vs run
χ² / ndf 1256 / 53
p0 2250 ± 2.185
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

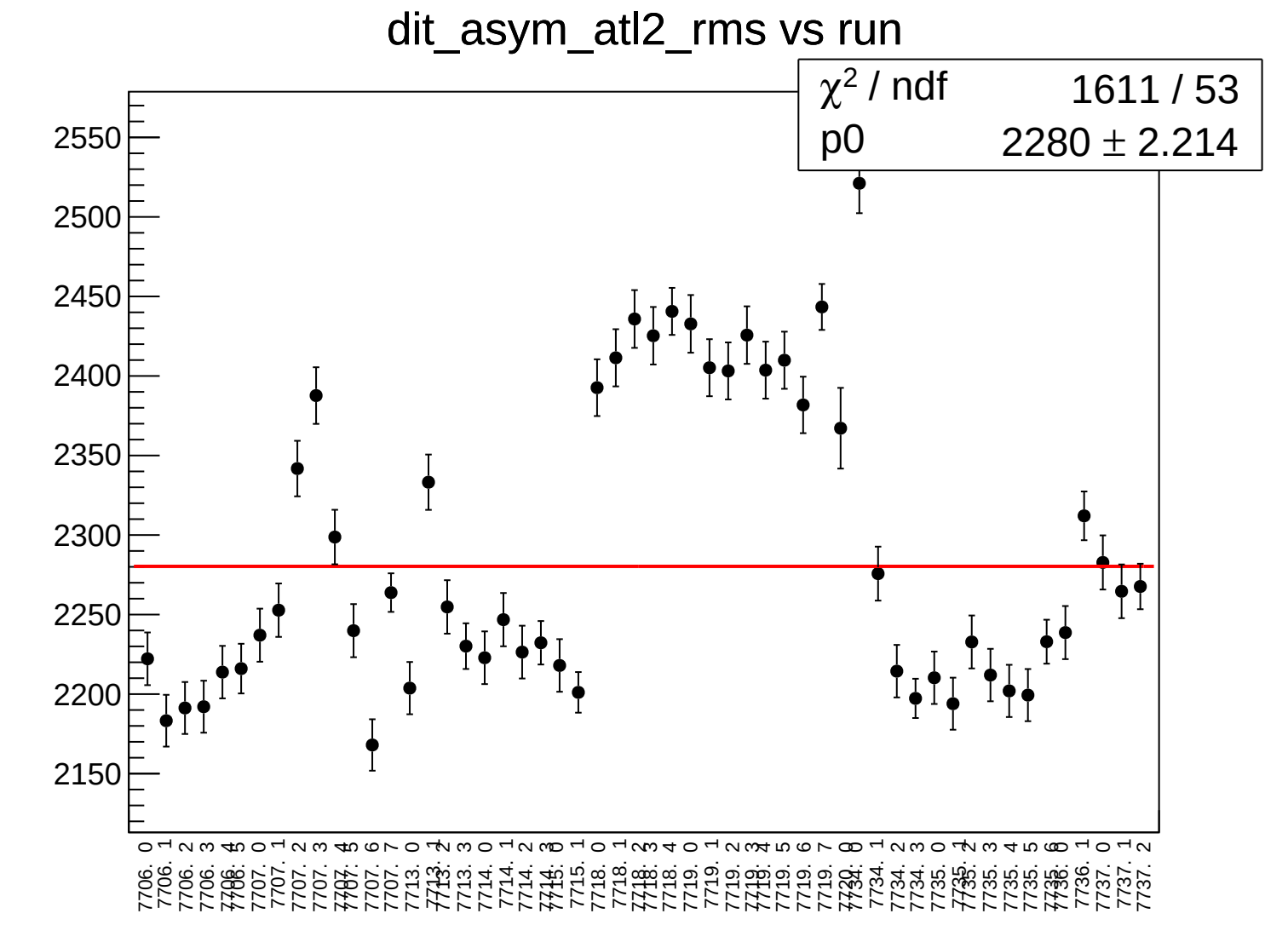

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.18 / 53
p0 326.3 ± 1.199e+04
pull
Entries 54
Mean 131.4
Std Dev 0

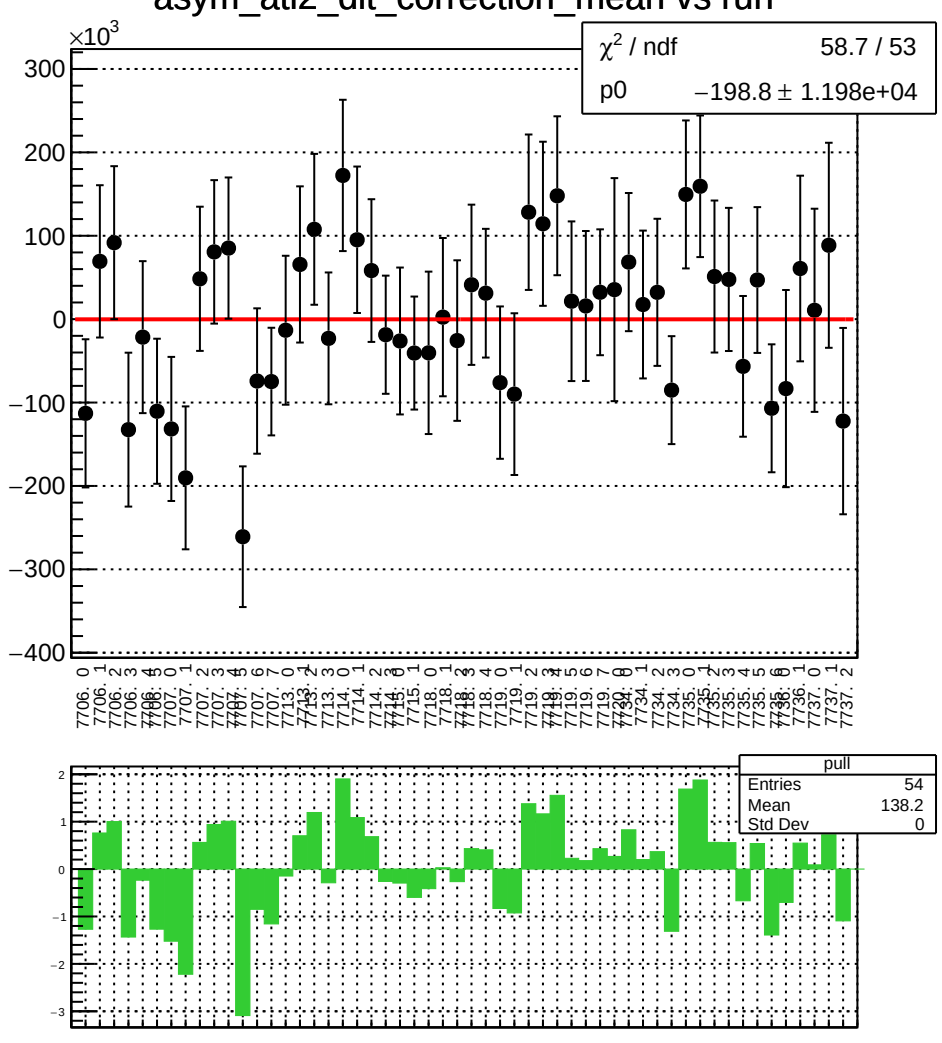

pull1D
Entries 54
Mean 0.03259
Std Dev 1.046

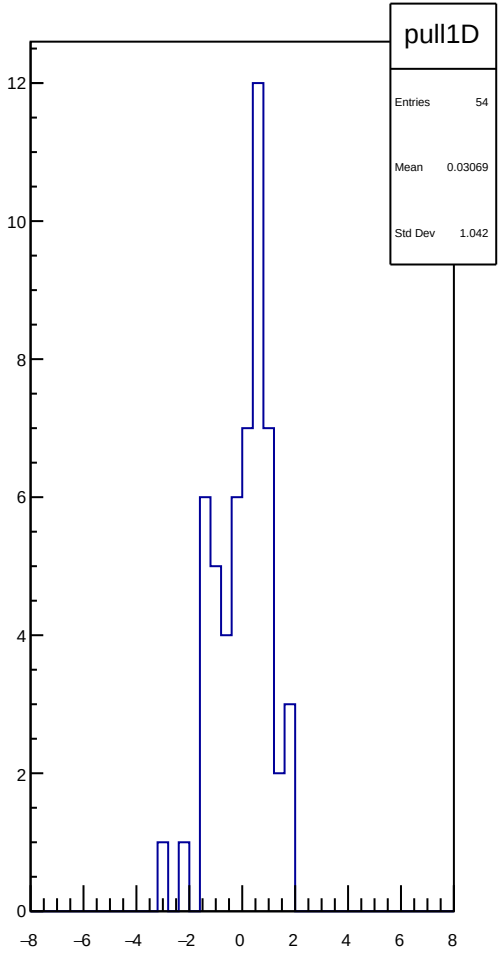

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1.261e+04 / 53
p0 8685 ± 8.479
13000
12000
11000
10000
9000
8000
7000

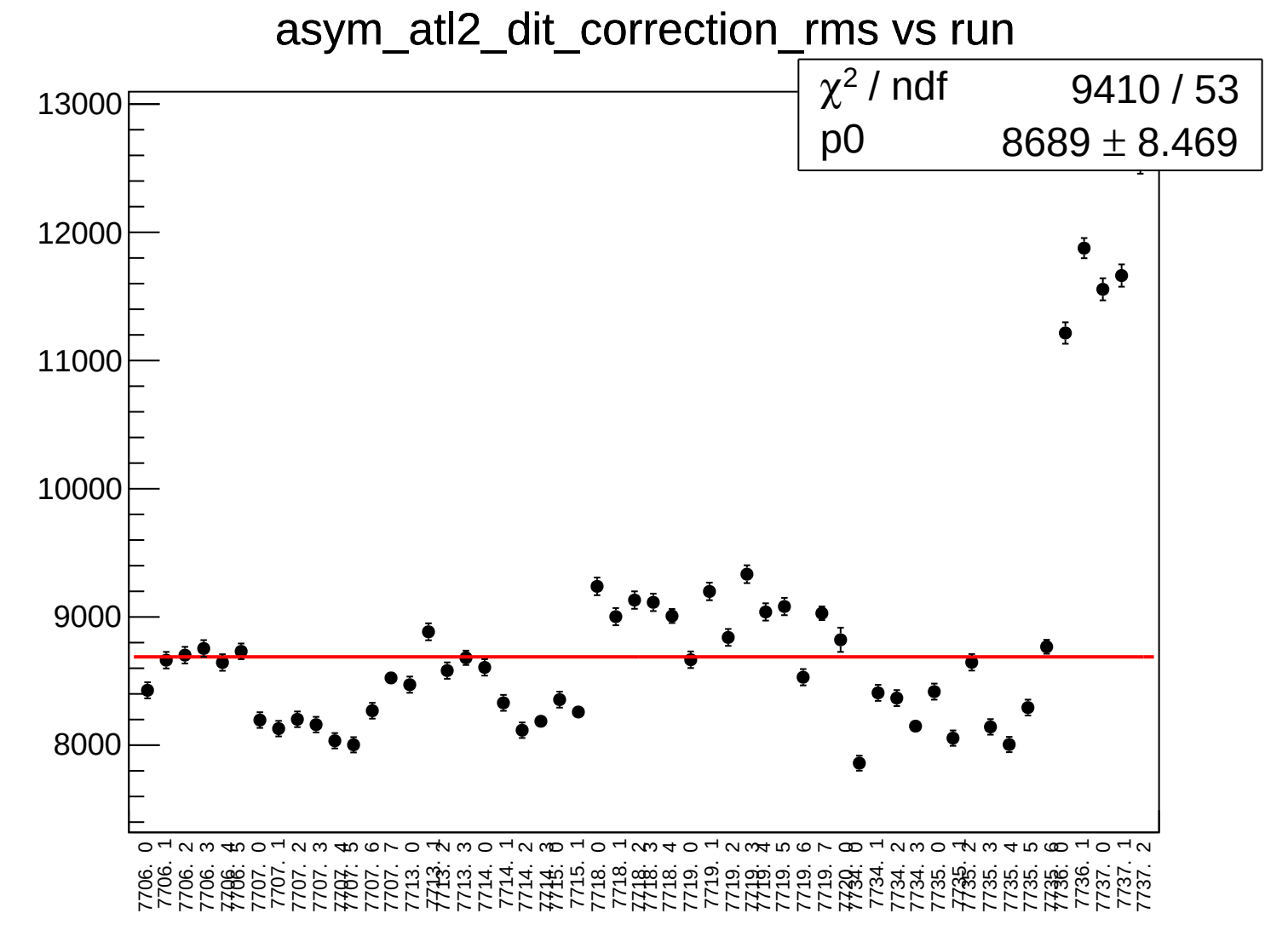

dit_asym_atl2_mean vs run
χ² / ndf 44.8 / 53
p0 2686 ± 3132
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 143.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

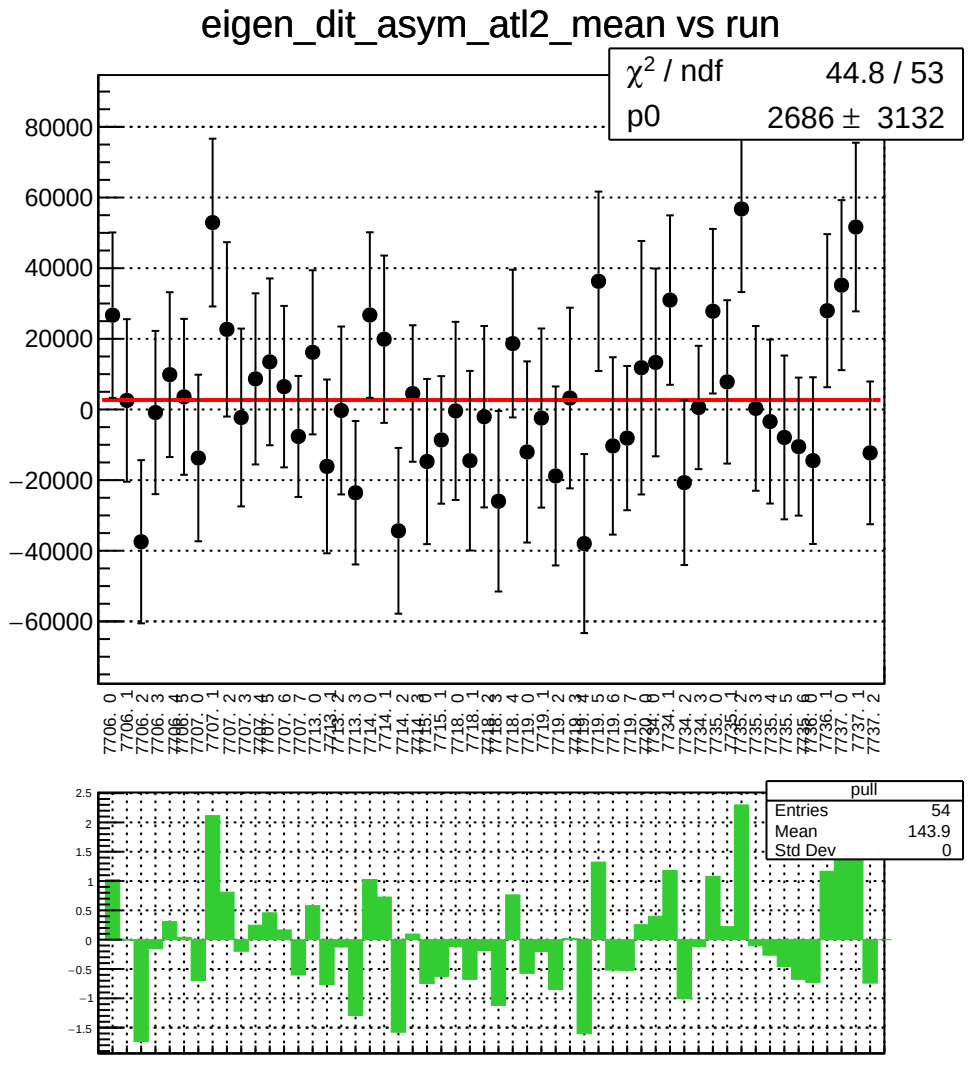

pull1D
Entries 54
Mean 0.01317
Std Dev 0.9107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

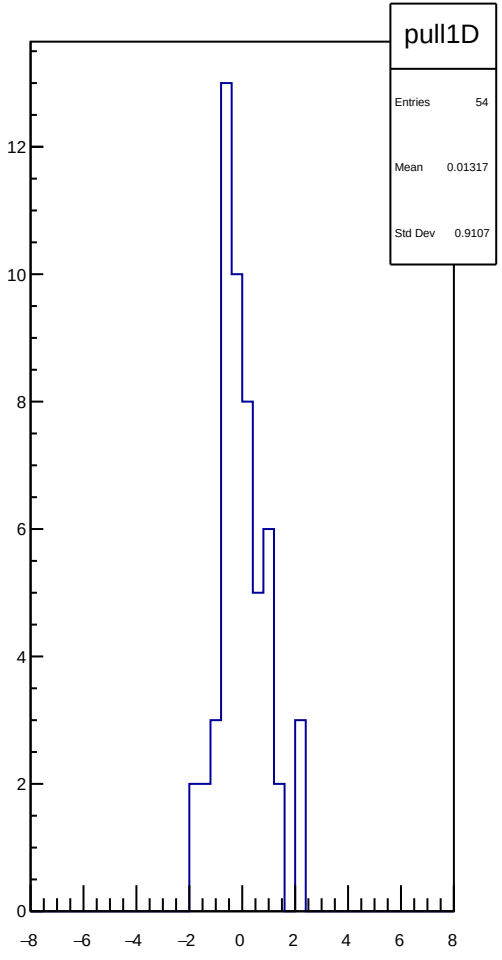

dit_asym_atl2_rms vs run
χ² / ndf 1611 / 53
p0 2280 ± 2.214
2550
2500
2450
2400
2350
2300
2250
2200
2150

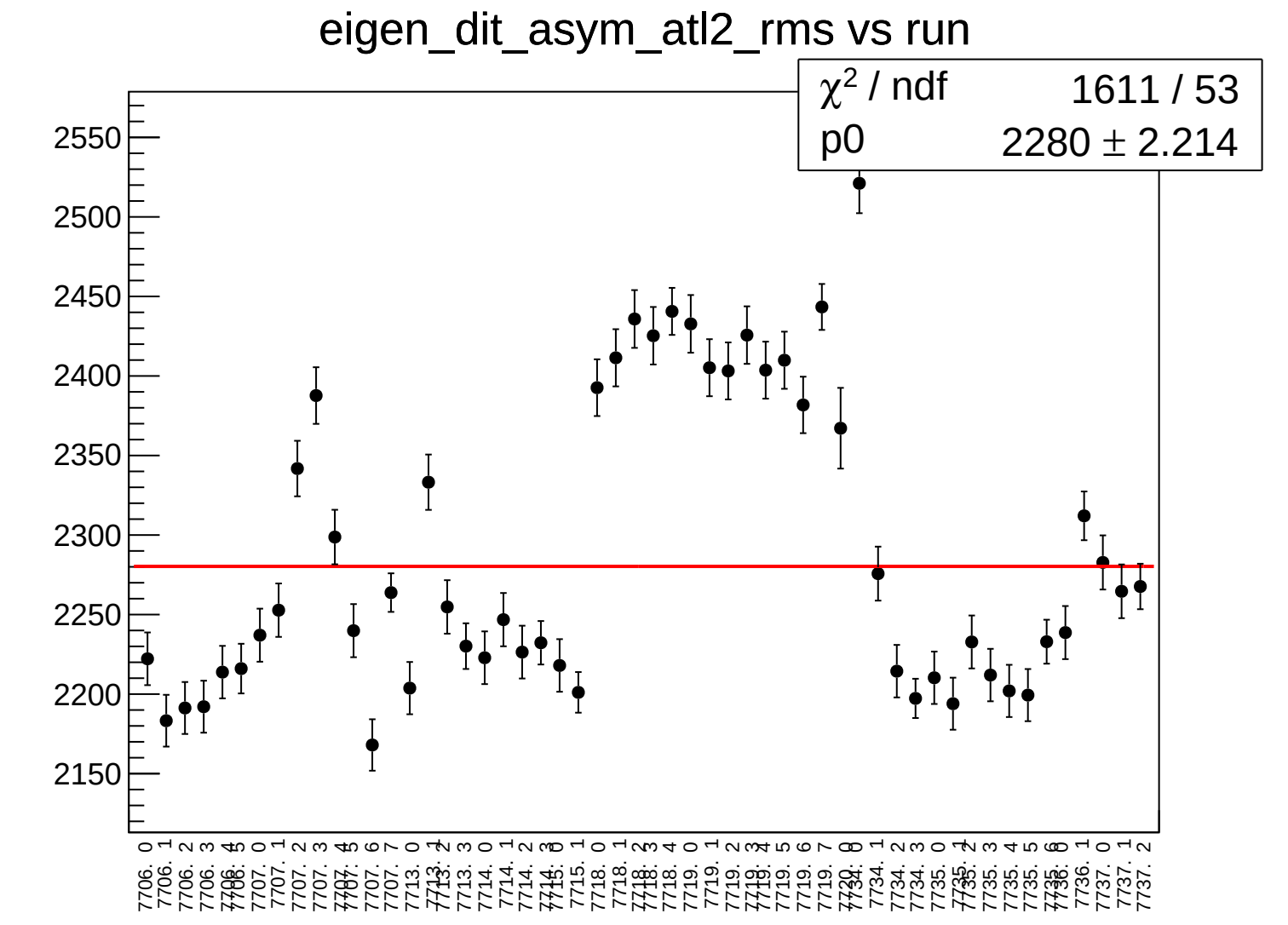

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 58.7 / 53
p0 −198.8 ± 1.198e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 54
Mean 138.2
Std Dev 0
2
1
0
−1
−2
−3

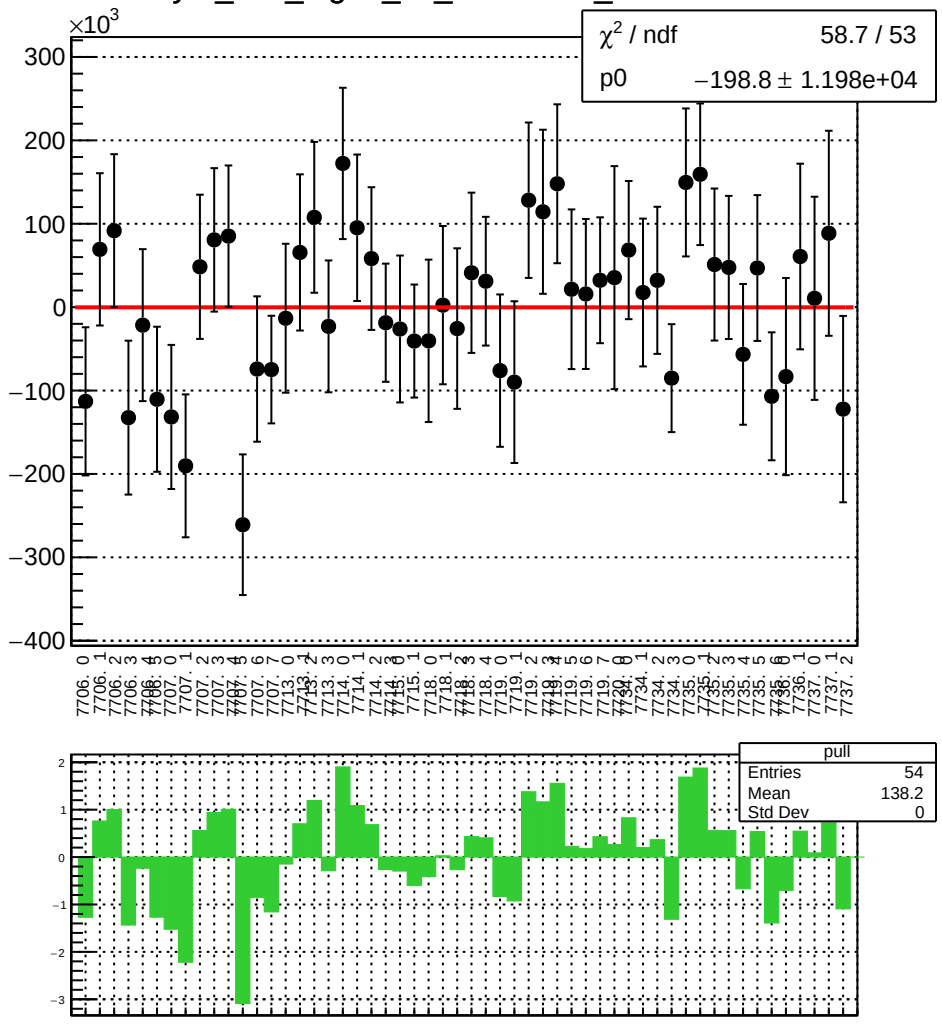

pull1D
Entries 54
Mean 0.03069
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

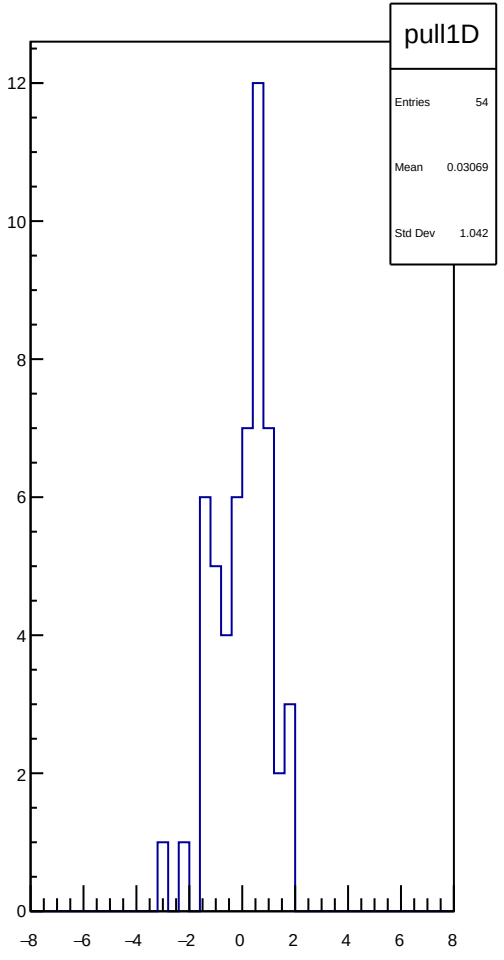

asym_atl2_dit_correction_rms vs run
χ² / ndf 9410 / 53
p0 8689 ± 8.469
13000
12000
11000
10000
9000
8000

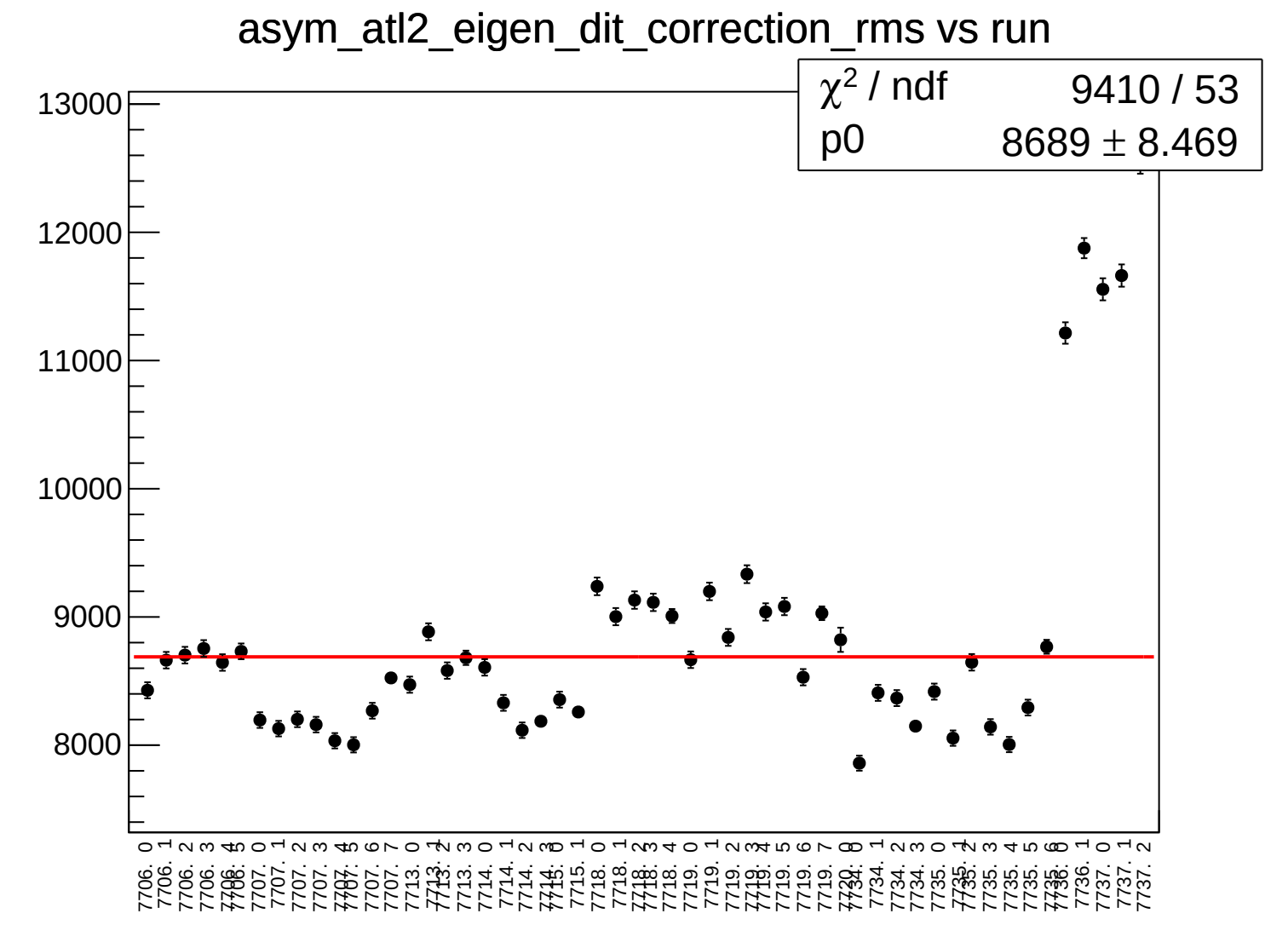

eigen_dit_asym_atl2_mean vs run
χ² / ndf 44.8 / 53
p0 2686 ± 3132
pull
Entries 54
Mean 143.9
Std Dev 0

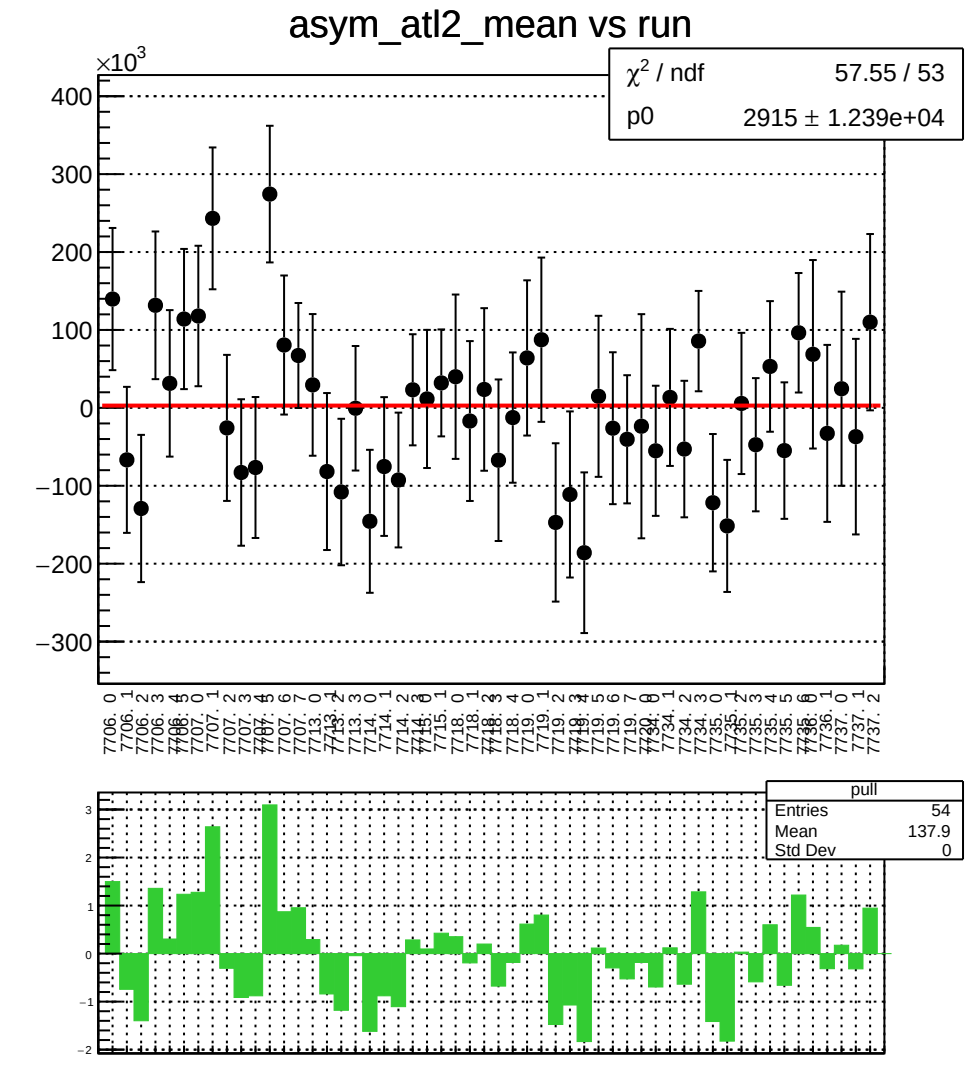

pull1D
Entries 54
Mean 0.01317
Std Dev 0.9107

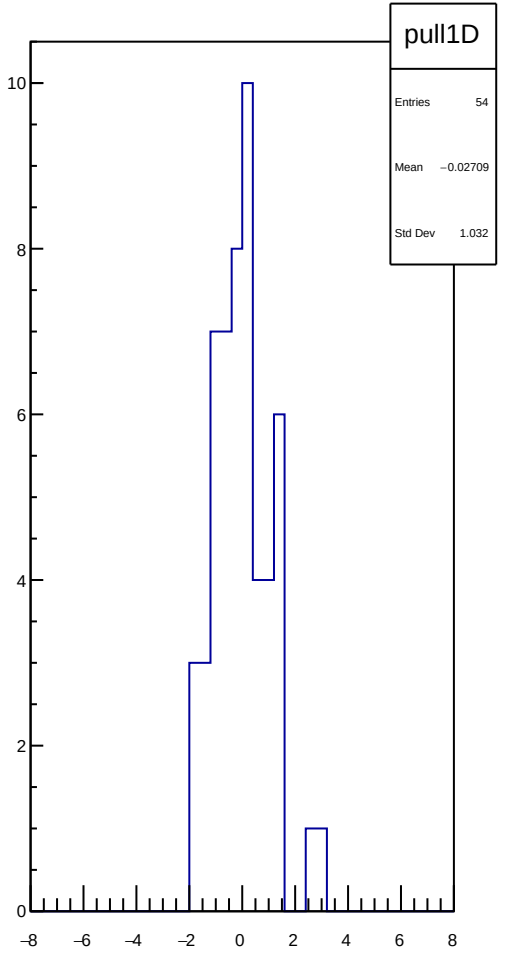

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 1611 / 53
p0 2280 ± 2.214
2550
2500
2450
2400
2350
2300
2250
2200
2150

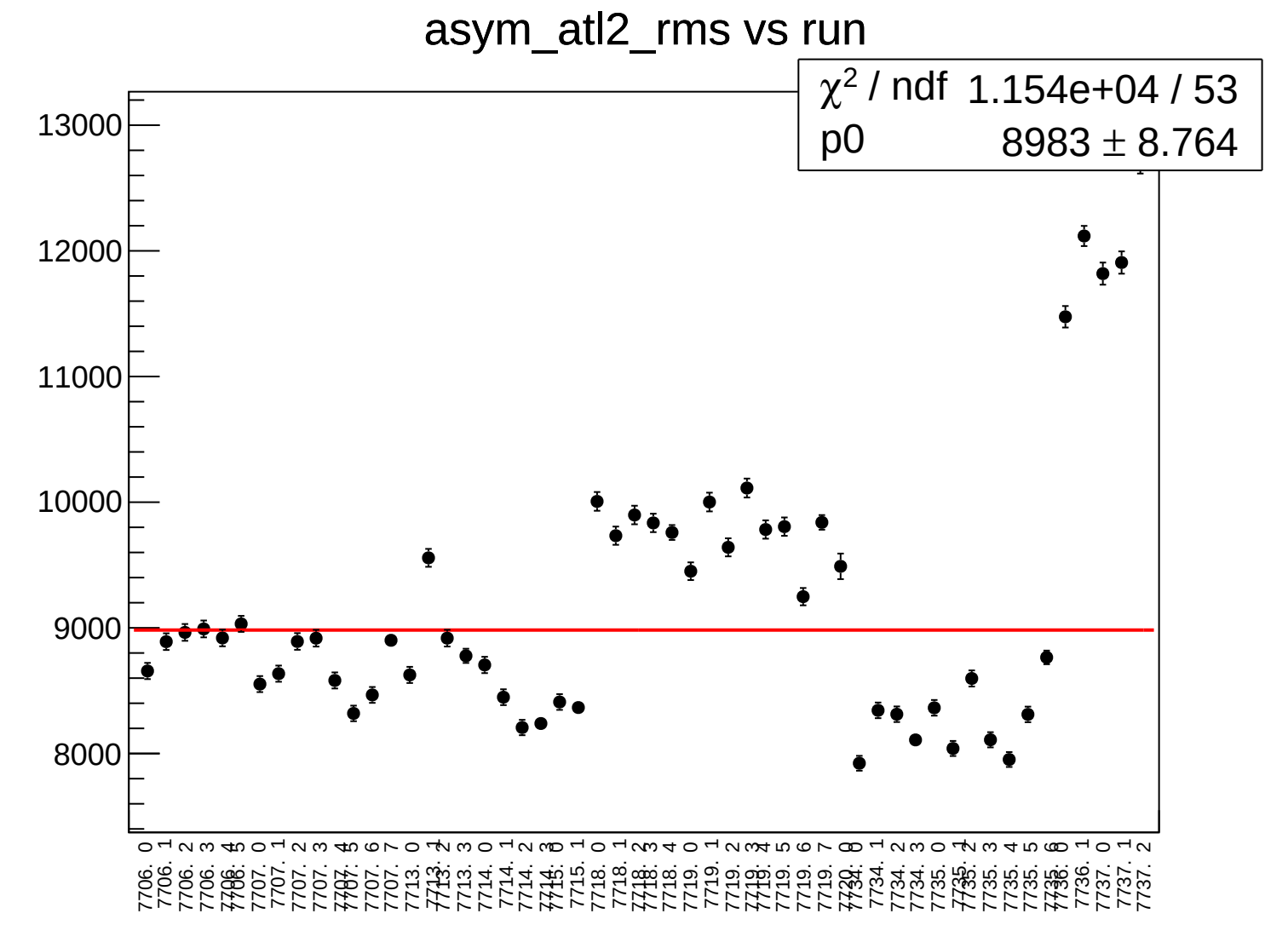

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.7 / 53
p0 −198.8 ± 1.198e+04
pull
Entries 54
Mean 138.2
Std Dev 0

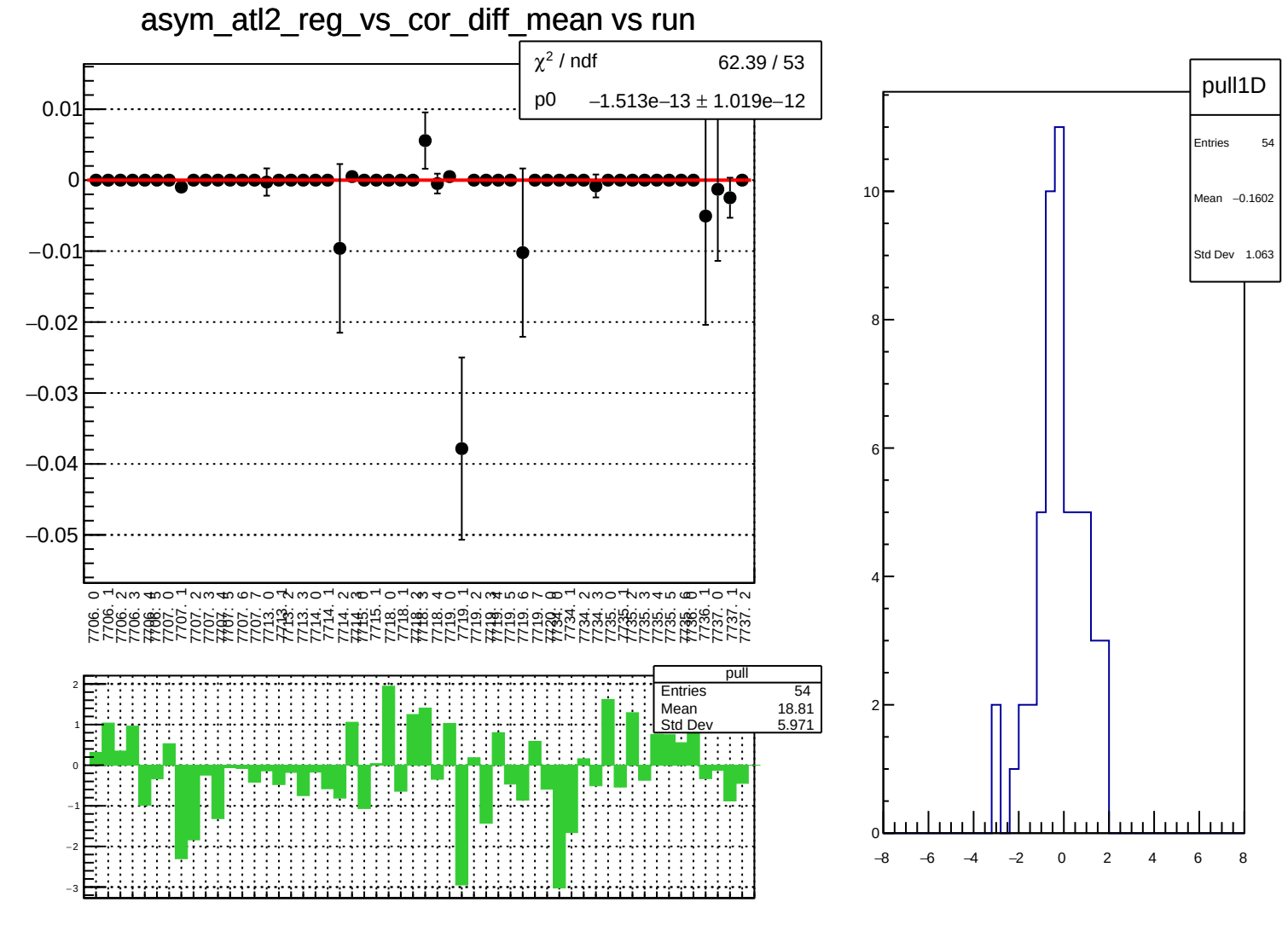

pull1D
Entries 54
Mean 0.03069
Std Dev 1.042

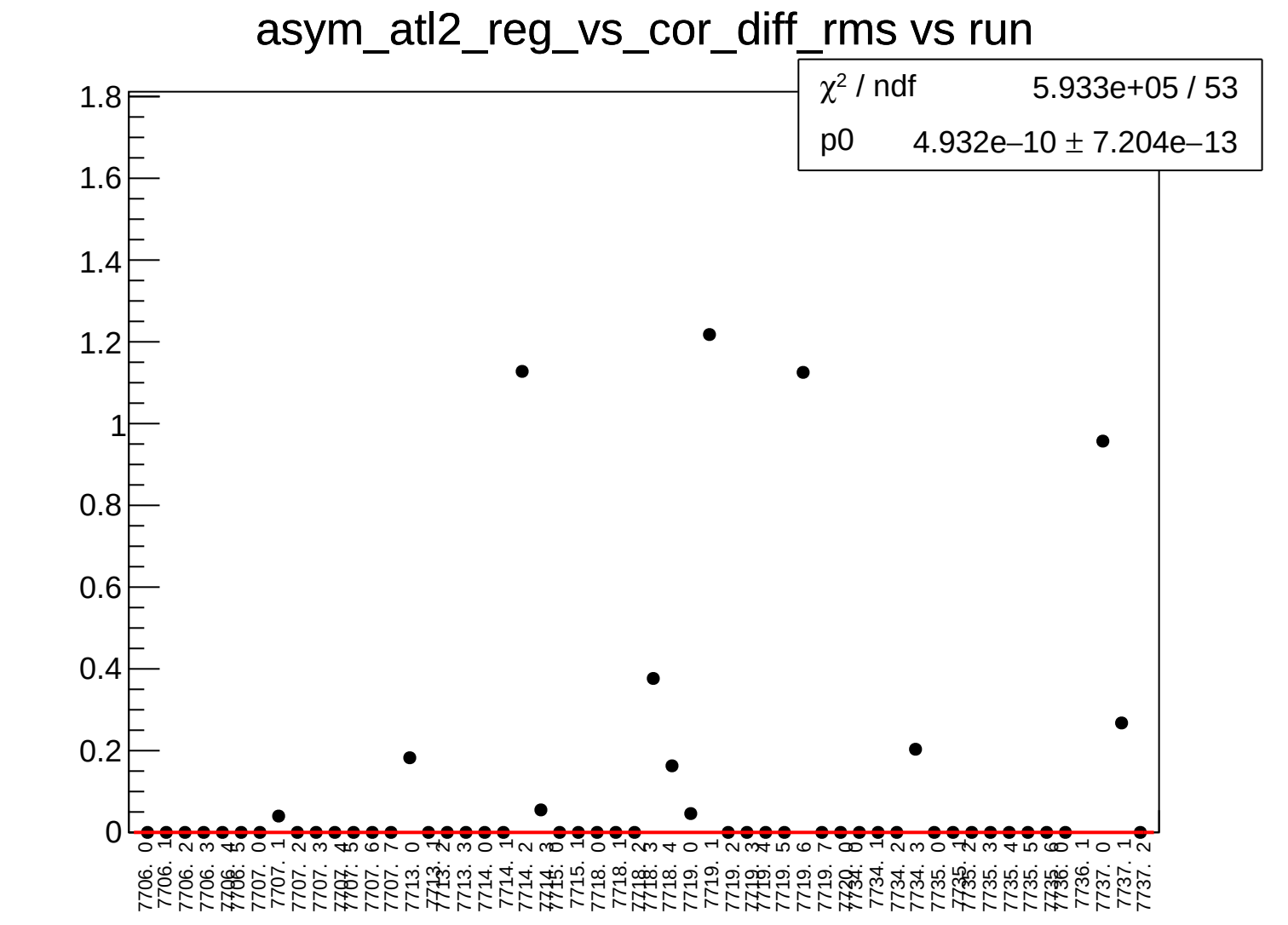

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 9410 / 53
p0 8689 ± 8.469
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

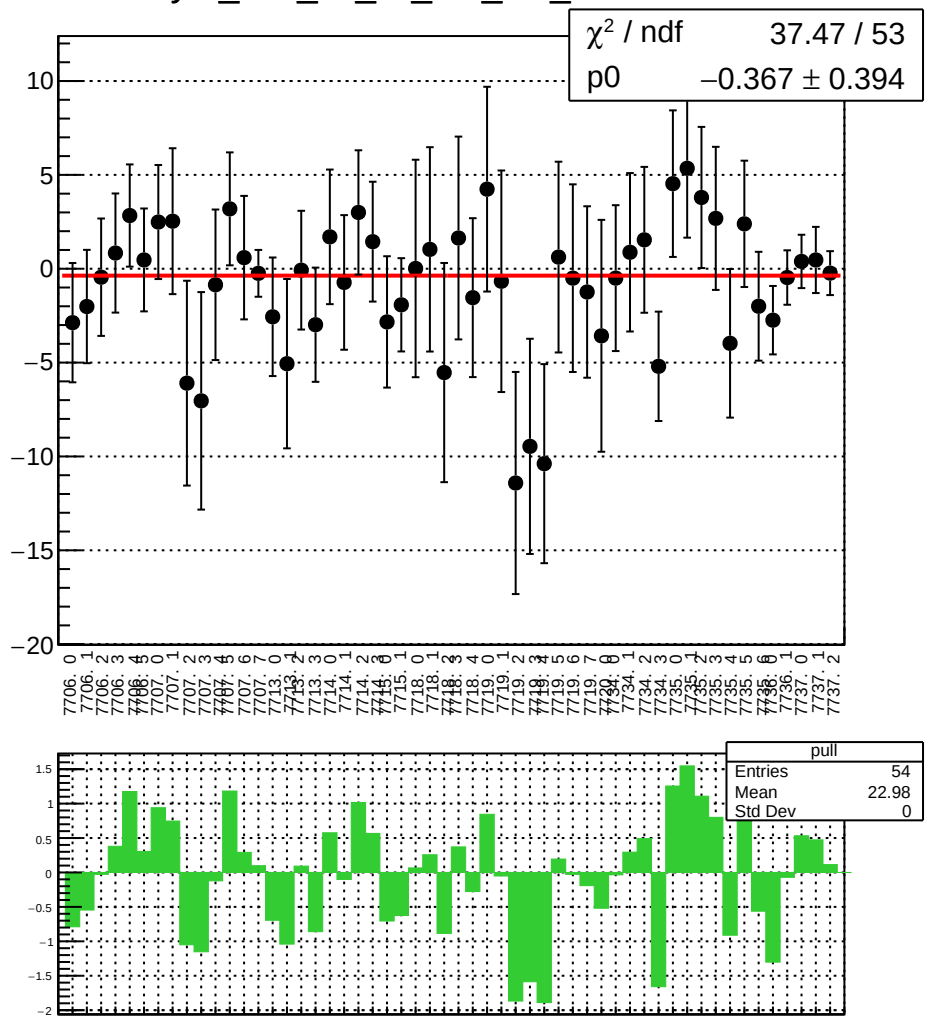

asym_atl2_mean vs run
×10^3
χ² / ndf 57.55 / 53
p0 2915 ± 1.239e+04
pull
Entries 54
Mean 137.9
Std Dev 0

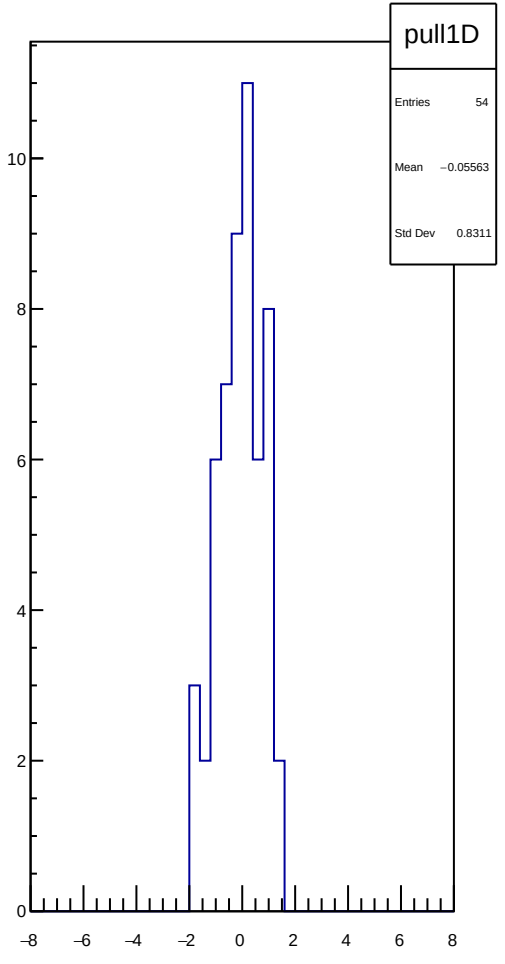

pull1D
Entries 54
Mean −0.02709
Std Dev 1.032

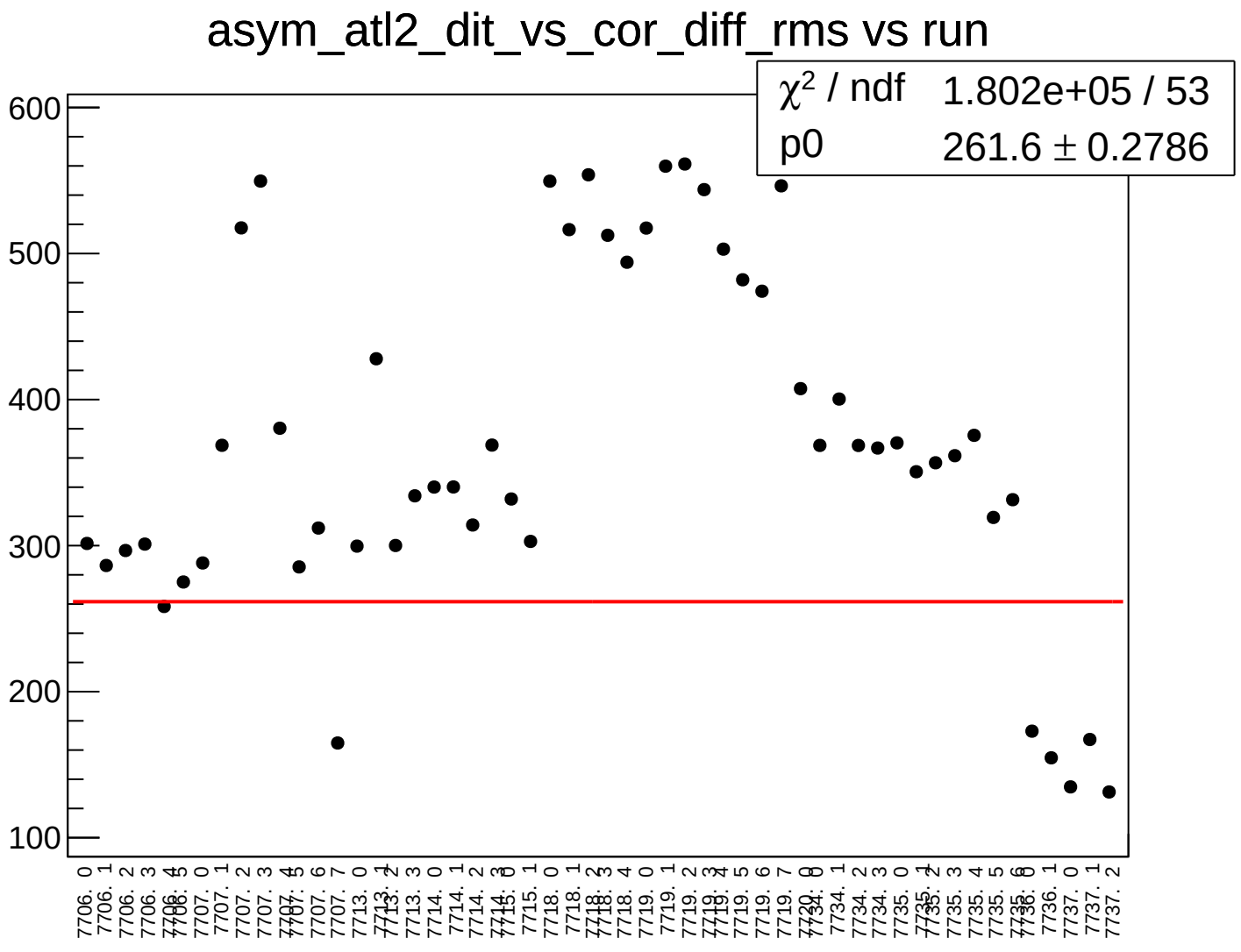

asym_atl2_rms vs run
χ² / ndf 1.154e+04 / 53
p0 8983 ± 8.764
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

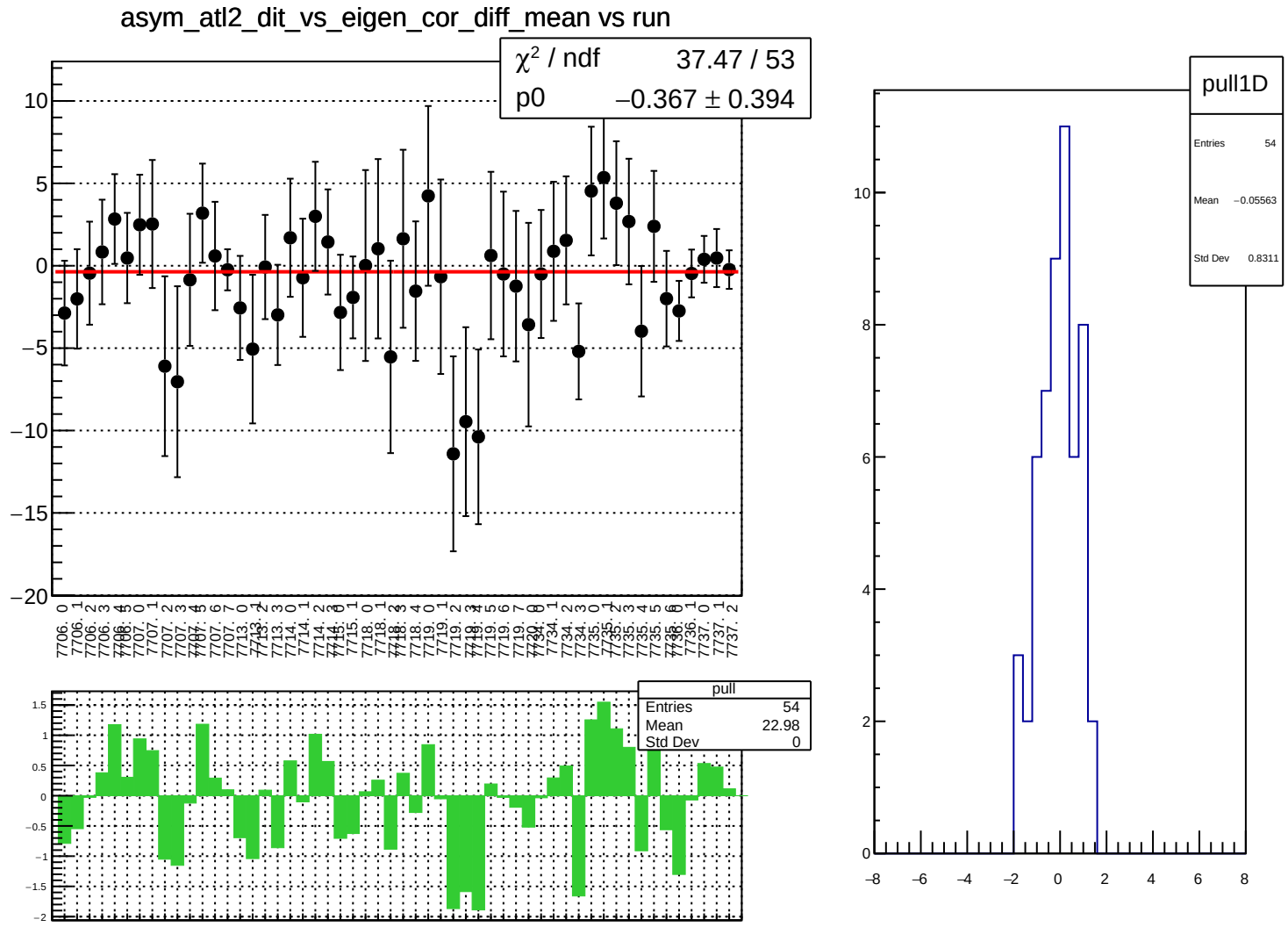

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 62.39 / 53
p0 −1.513e−13 ± 1.019e−12
pull
Entries 54
Mean 18.81
Std Dev 5.971
pull1D
Entries 54
Mean −0.1602
Std Dev 1.063

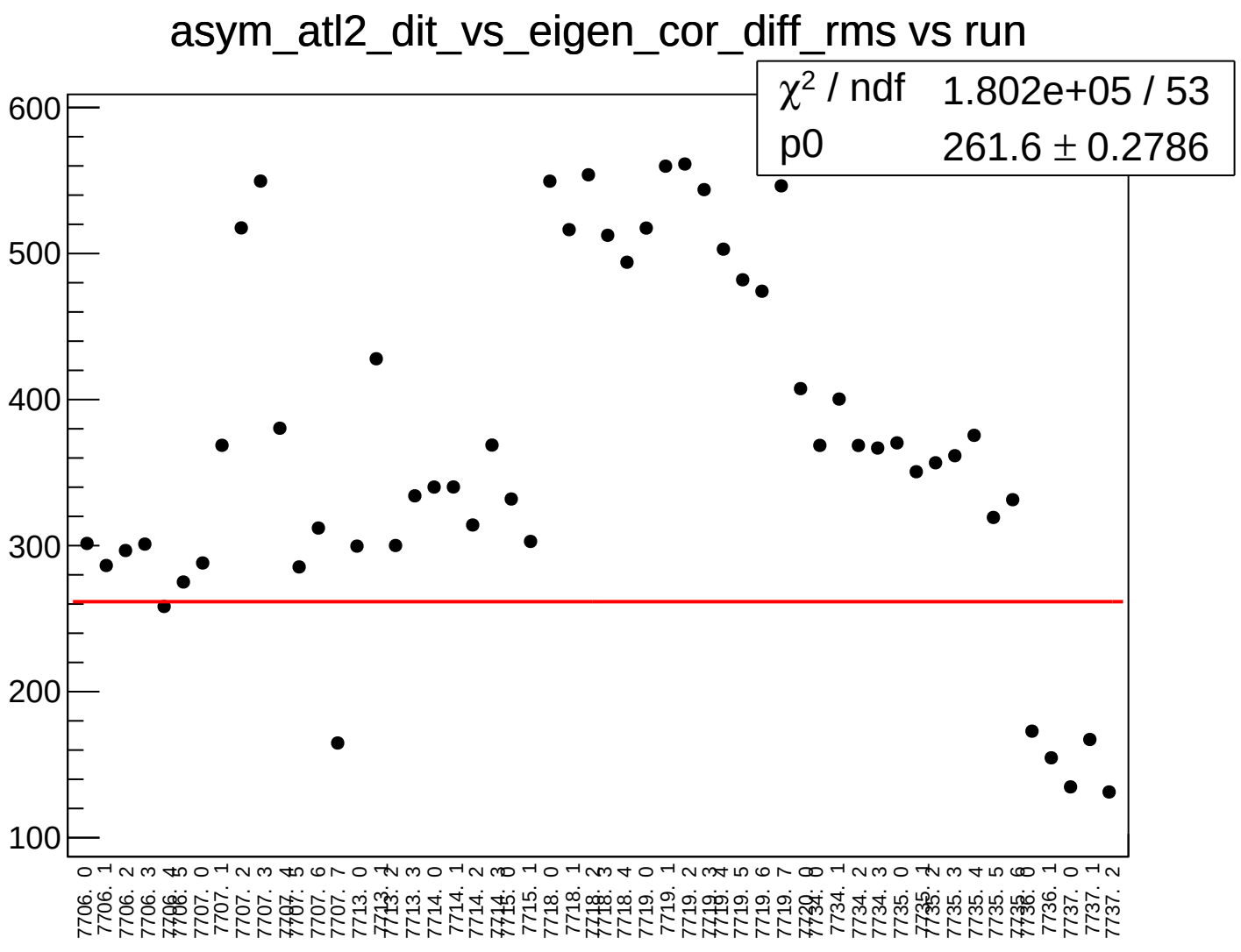

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.933e+05 / 53
p0 4.932e−10 ± 7.204e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

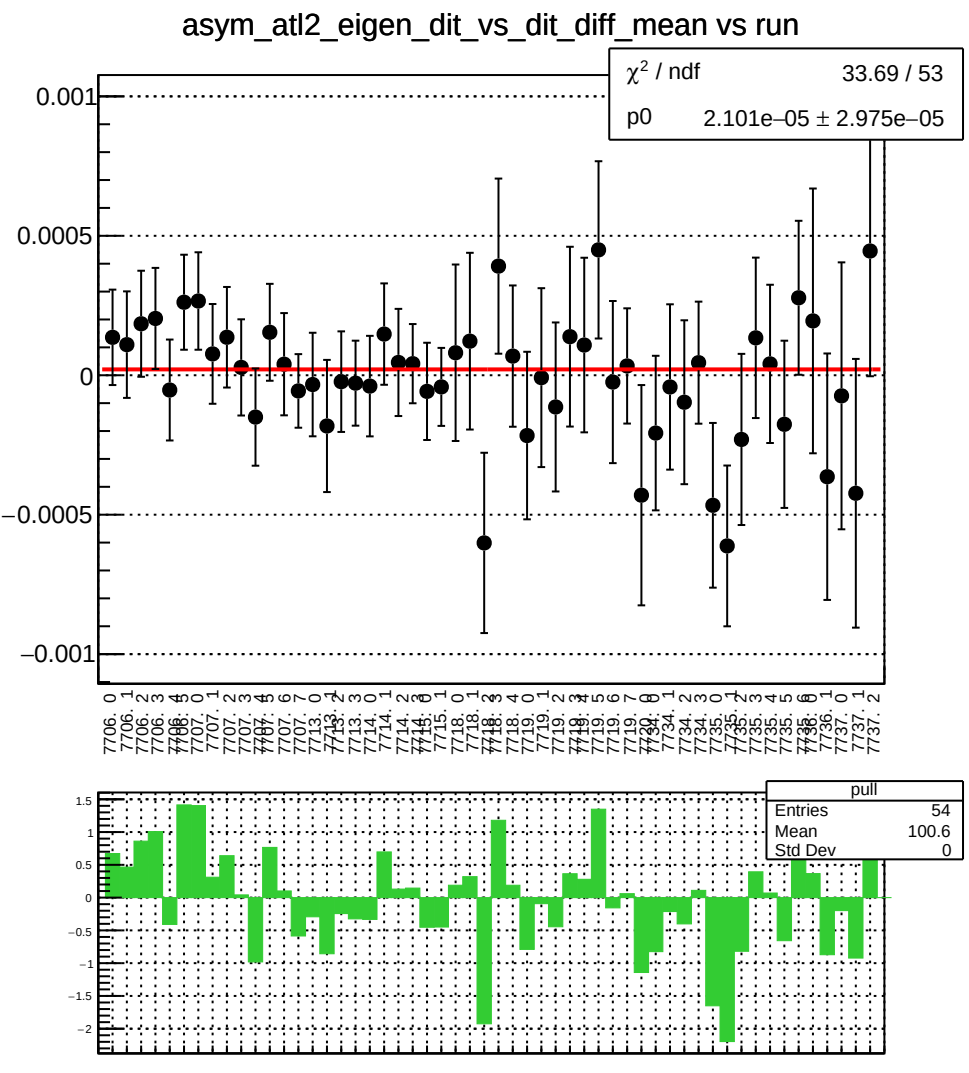

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 37.47 / 53
p0 −0.367 ± 0.394
pull
Entries 54
Mean 22.98
Std Dev 0

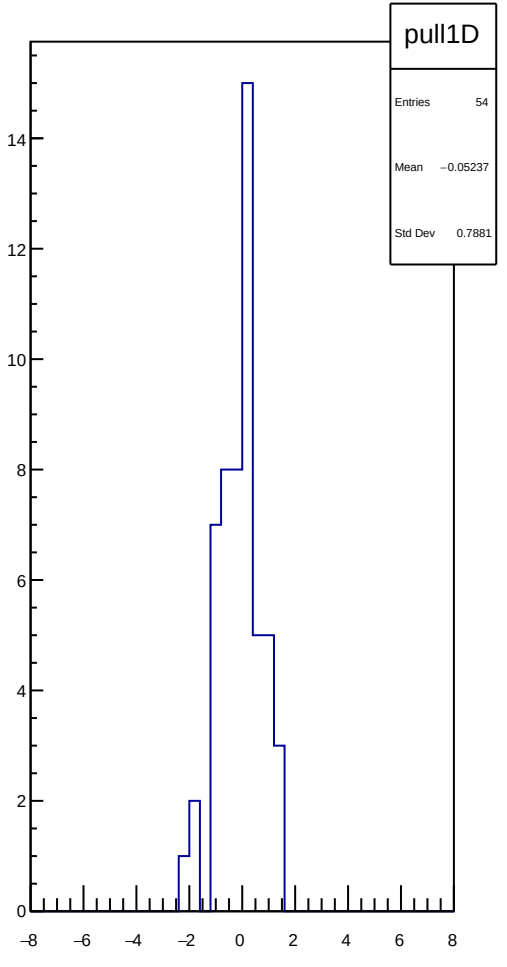

pull1D
Entries 54
Mean −0.05563
Std Dev 0.8311

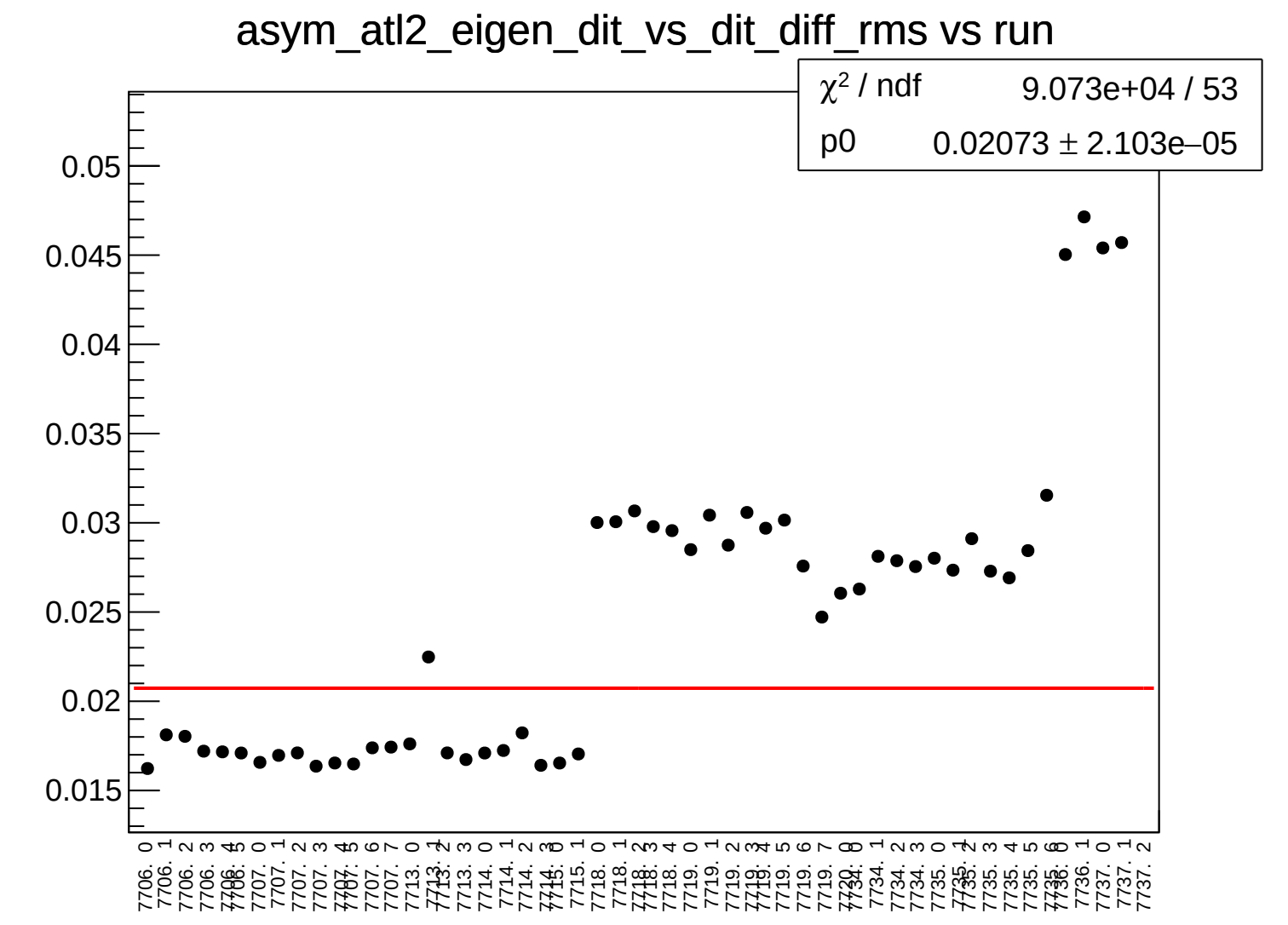

asym_atl2_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.802e+05 / 53
p0 261.6 ± 0.2786
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

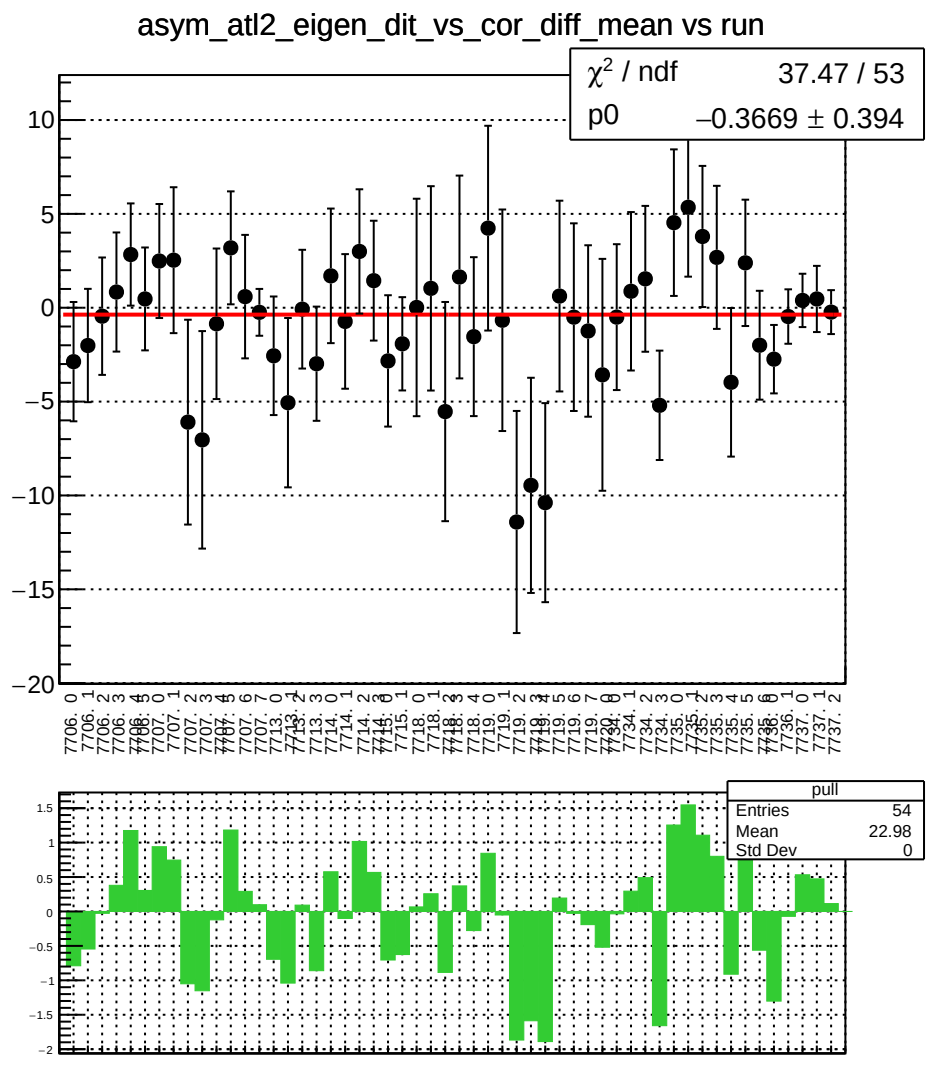

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.47 / 53
p0 −0.367 ± 0.394
pull
Entries 54
Mean 22.98
Std Dev 0
pull1D
Entries 54
Mean −0.05563
Std Dev 0.8311

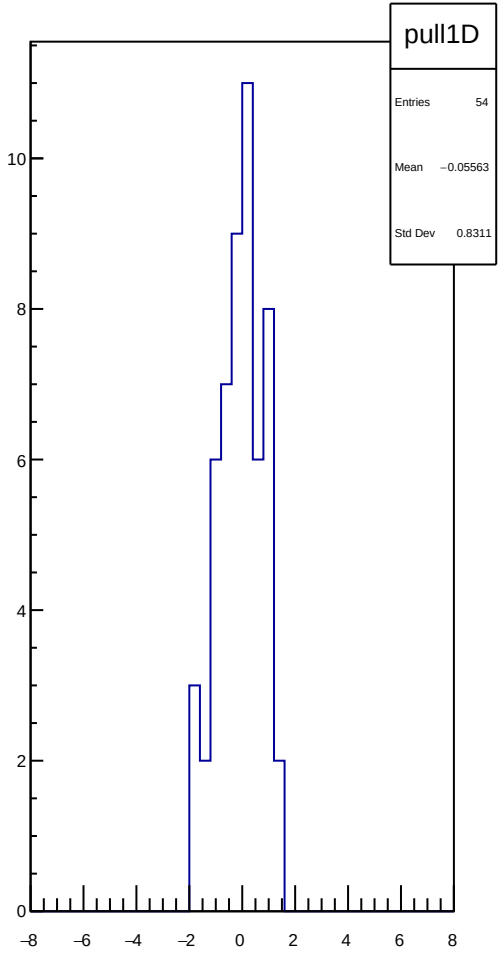

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.802e+05 / 53
p0 261.6 ± 0.2786
600
500
400
300
200
100

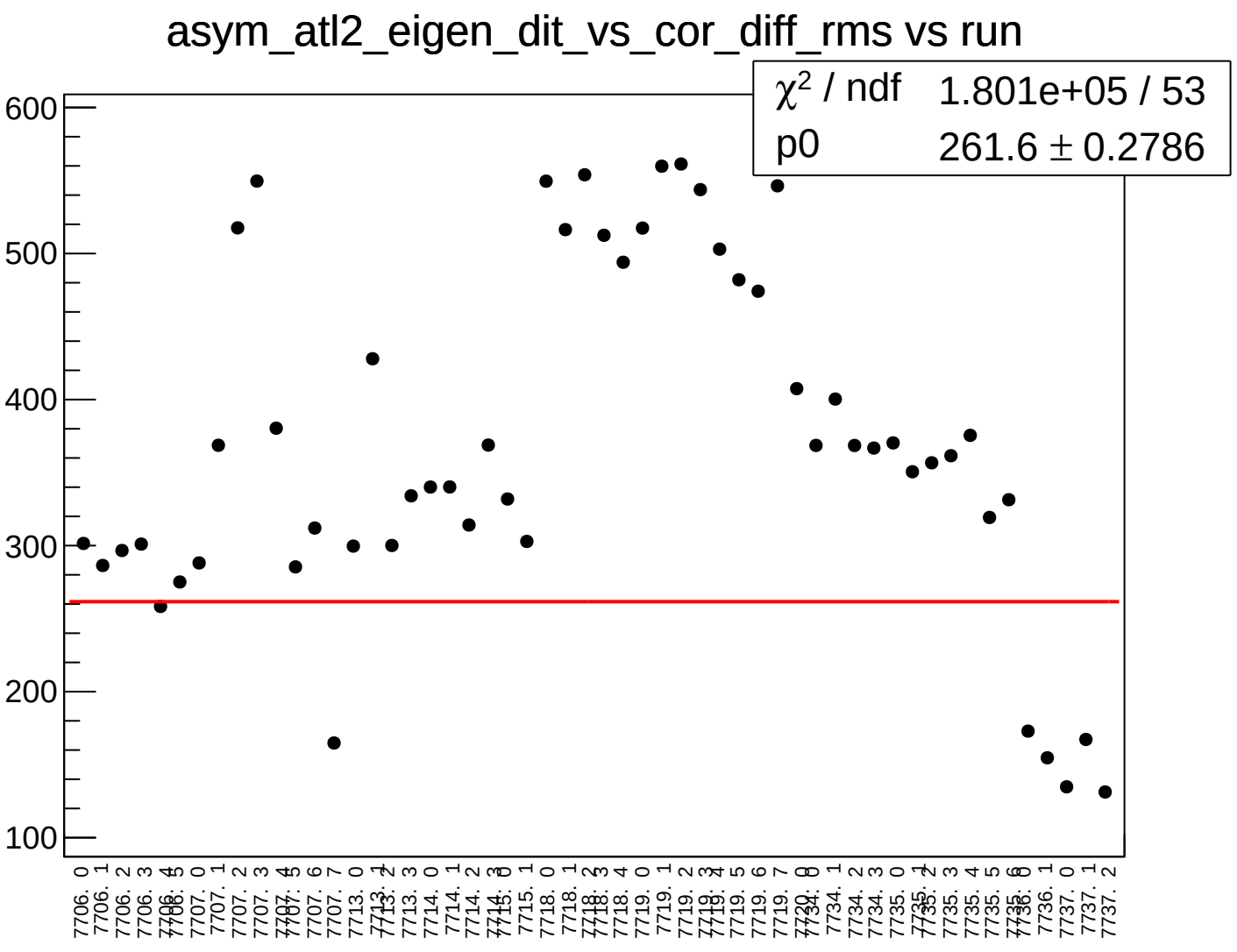

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 33.69 / 53
p0 2.101e−05 ± 2.975e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 100.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

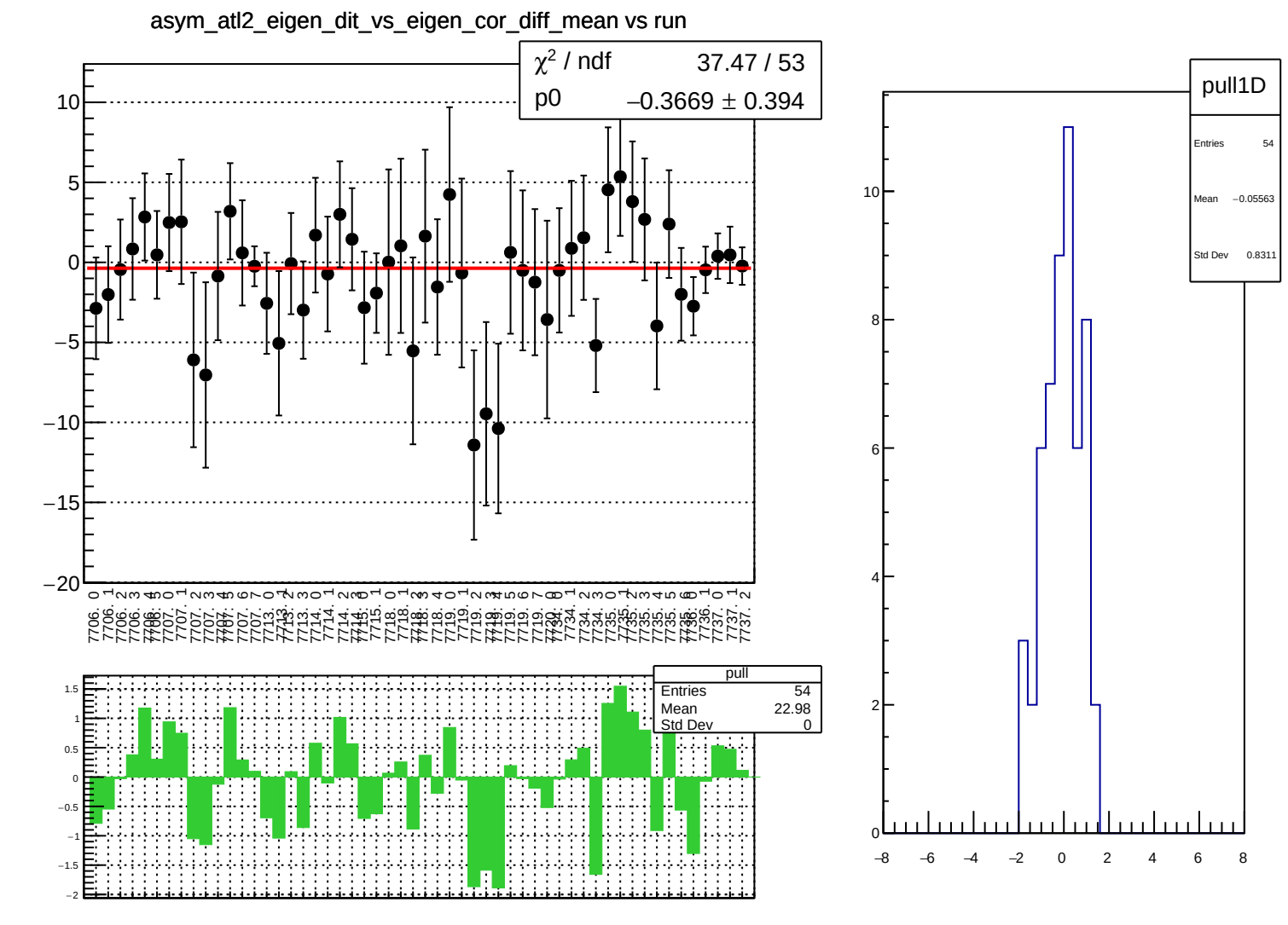

pull1D
Entries 54
Mean −0.05237
Std Dev 0.7881
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

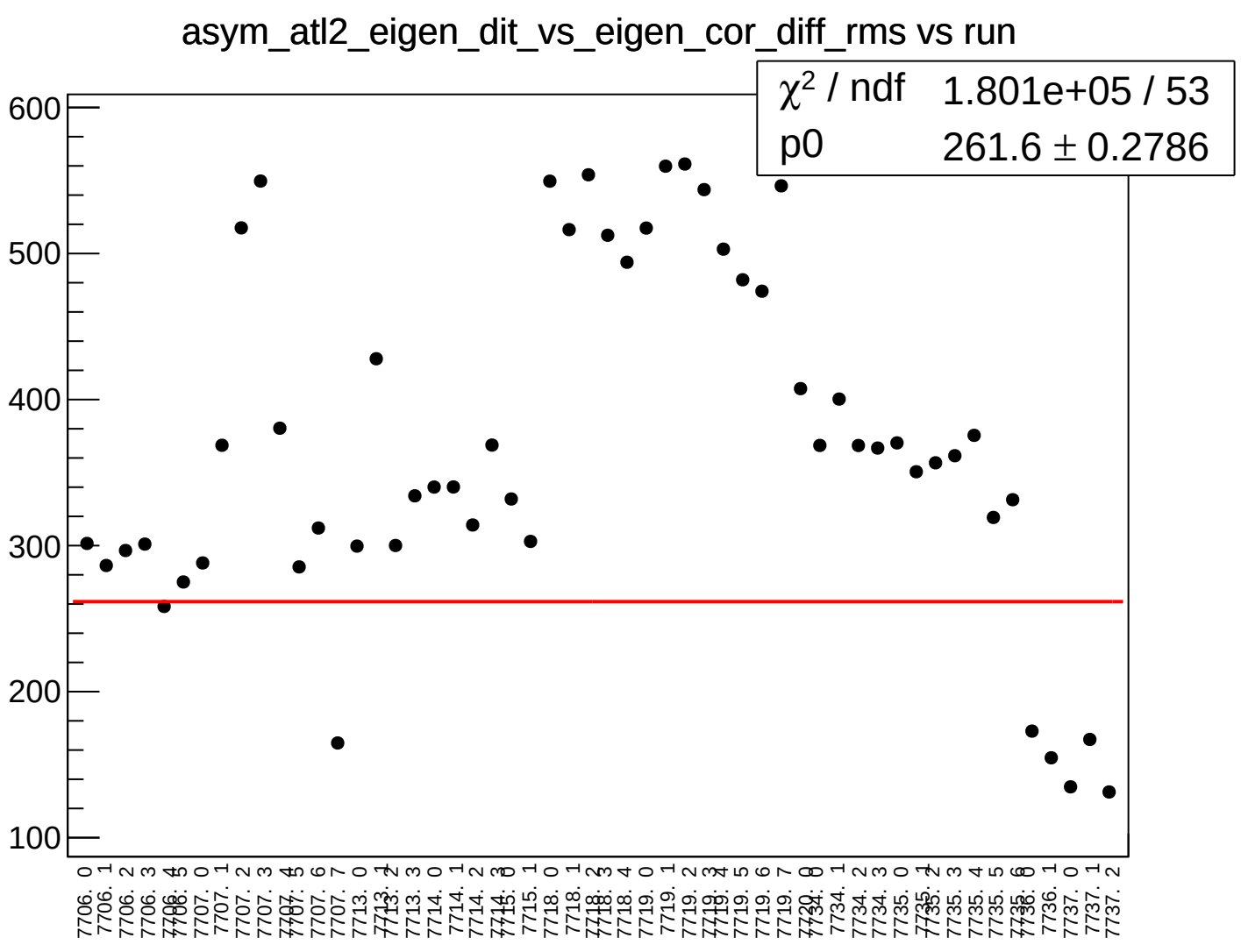

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.073e+04 / 53
p0 0.02073 ± 2.103e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

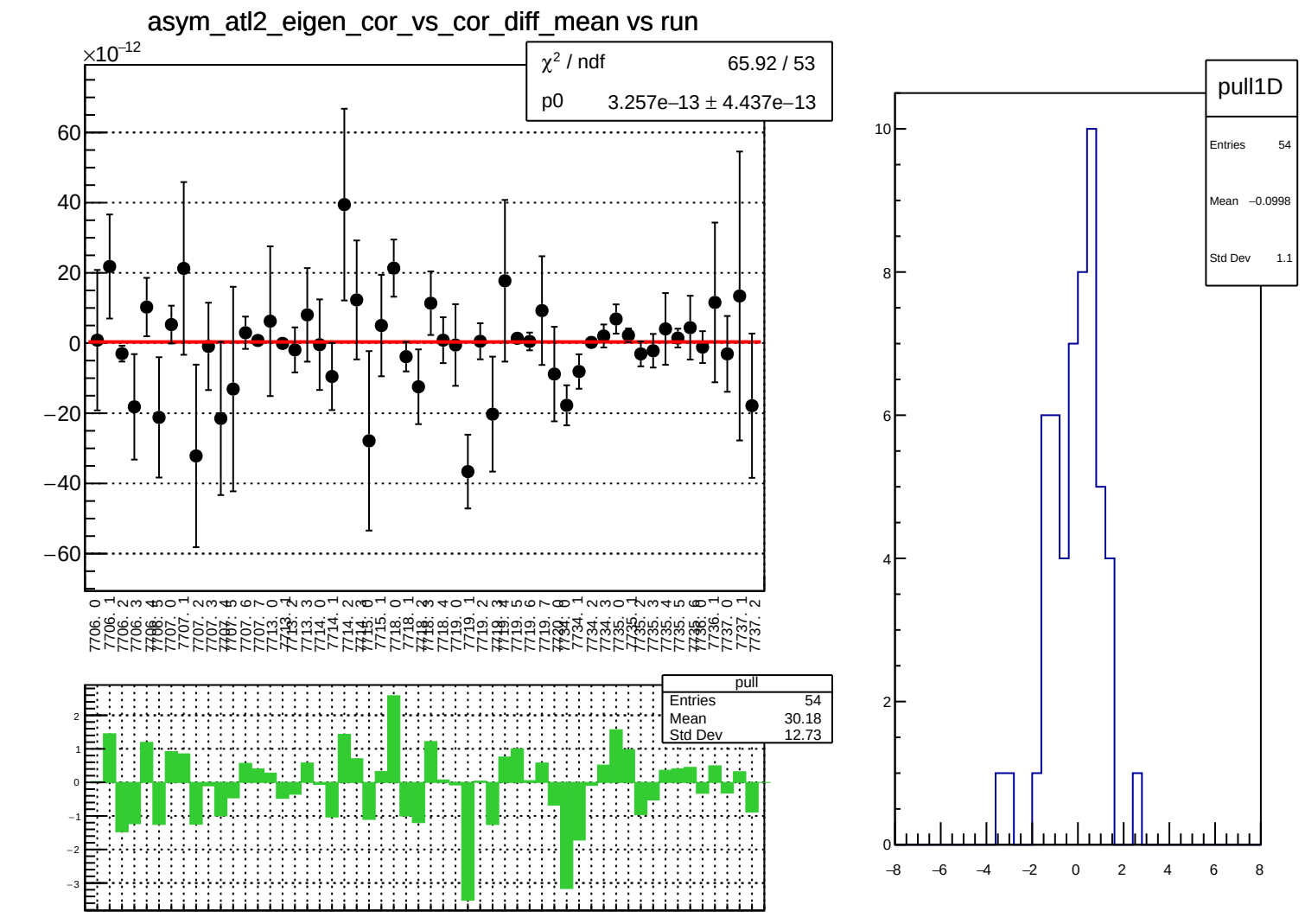

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.47 / 53
p0 −0.3669 ± 0.394
pull
Entries 54
Mean 22.98
Std Dev 0

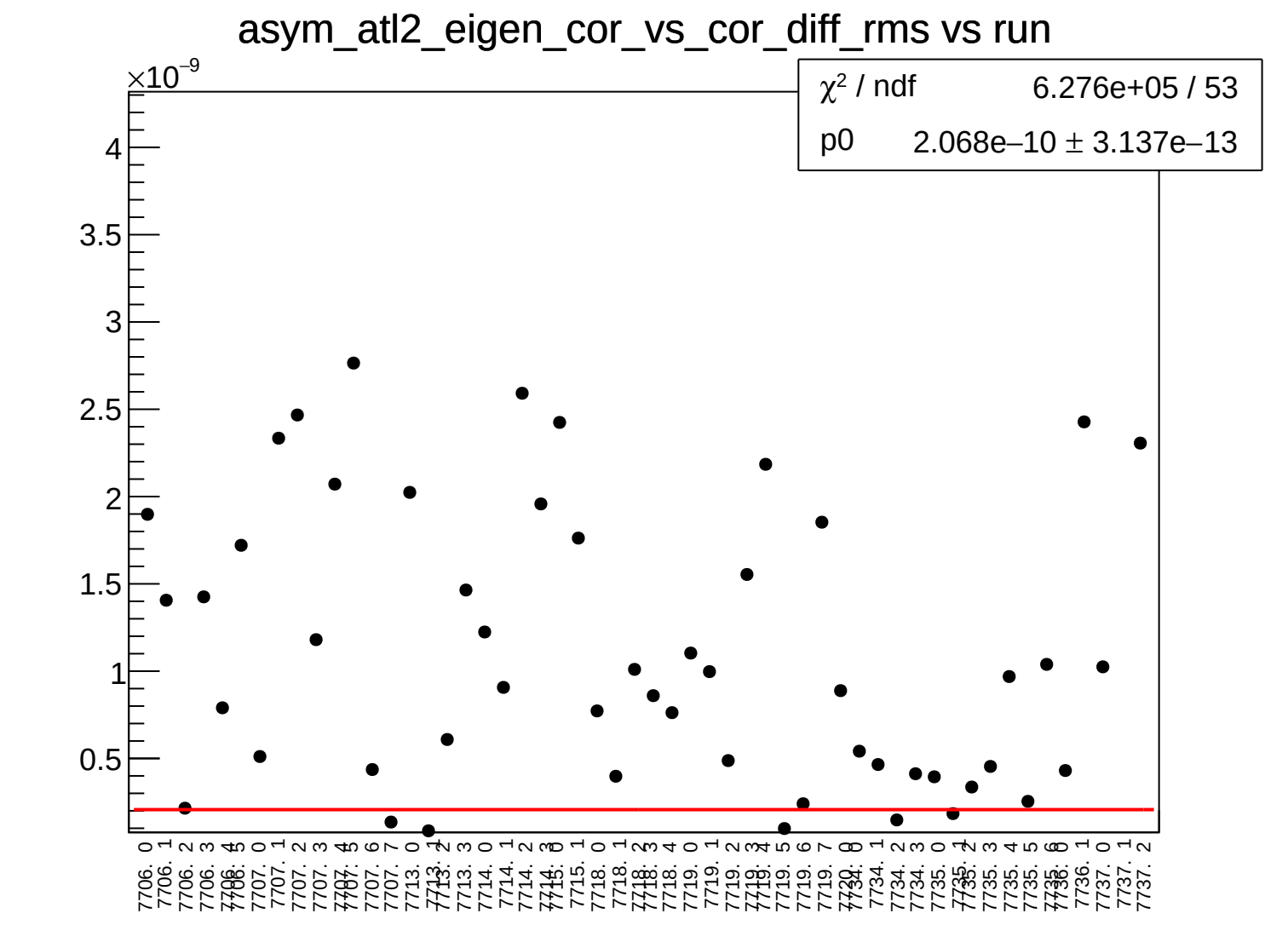

pull1D
Entries 54
Mean −0.05563
Std Dev 0.8311

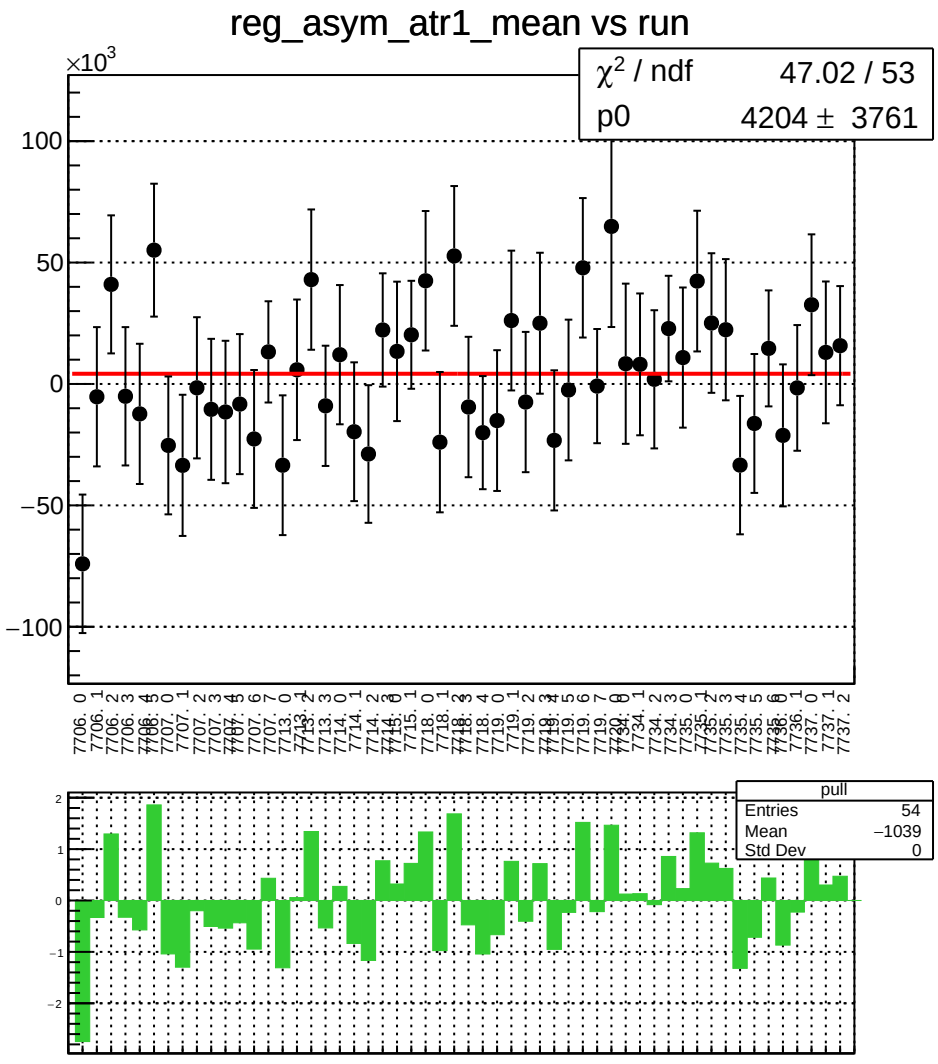

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.801e+05 / 53
p0 261.6 ± 0.2786
600
500
400
300
200
100

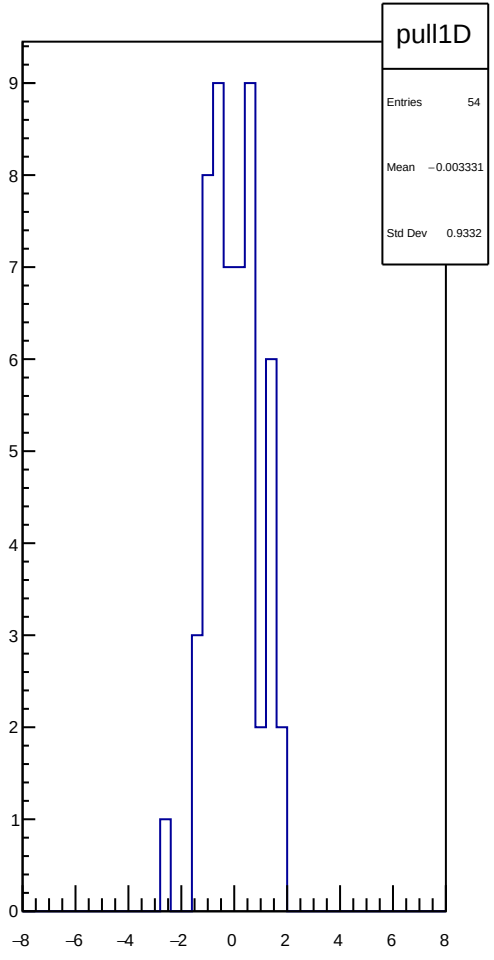

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.47 / 53
p0 −0.3669 ± 0.394
pull
Entries 54
Mean 22.98
Std Dev 0
pull1D
Entries 54
Mean −0.05563
Std Dev 0.8311

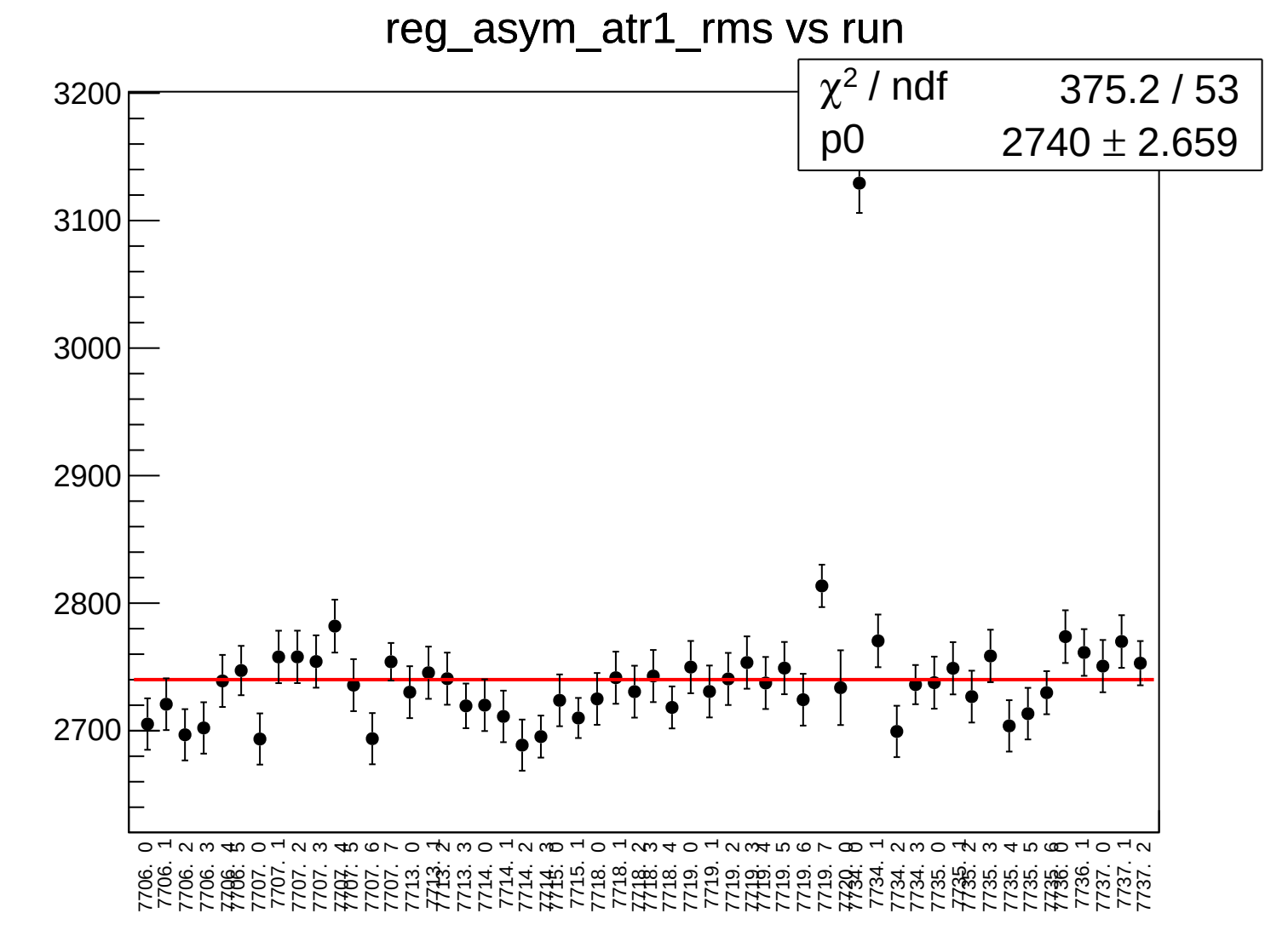

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.801e+05 / 53
p0 261.6 ± 0.2786
600
500
400
300
200
100

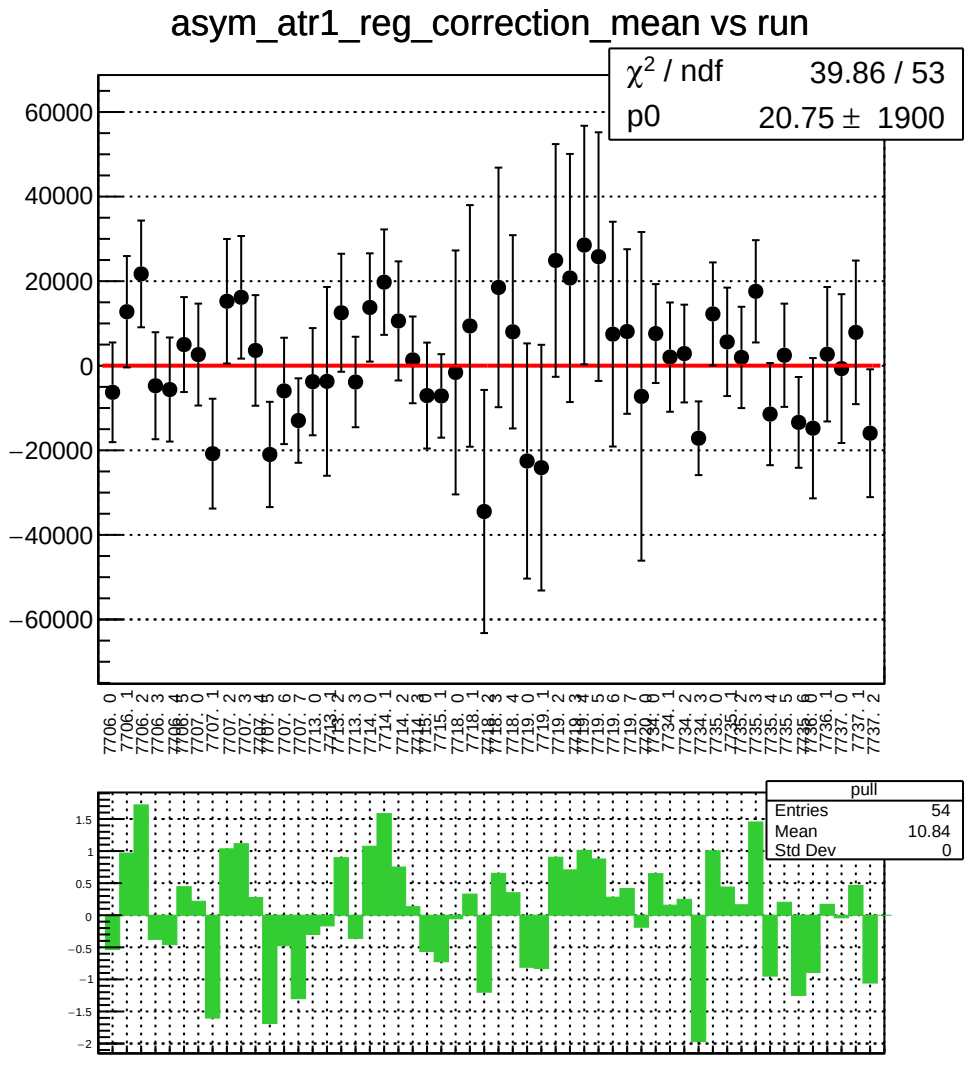

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.92 / 53
p0 3.257e−13 ± 4.437e−13
pull
Entries 54
Mean 30.18
Std Dev 12.73
pull1D
Entries 54
Mean −0.0998
Std Dev 1.1

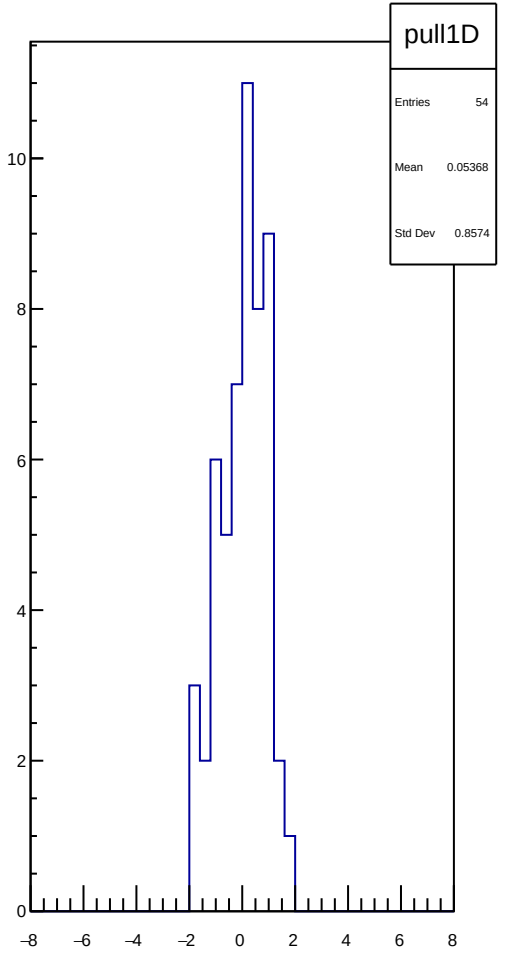

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.276e+05 / 53
p0 2.068e−10 ± 3.137e−13
4
3.5
3
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

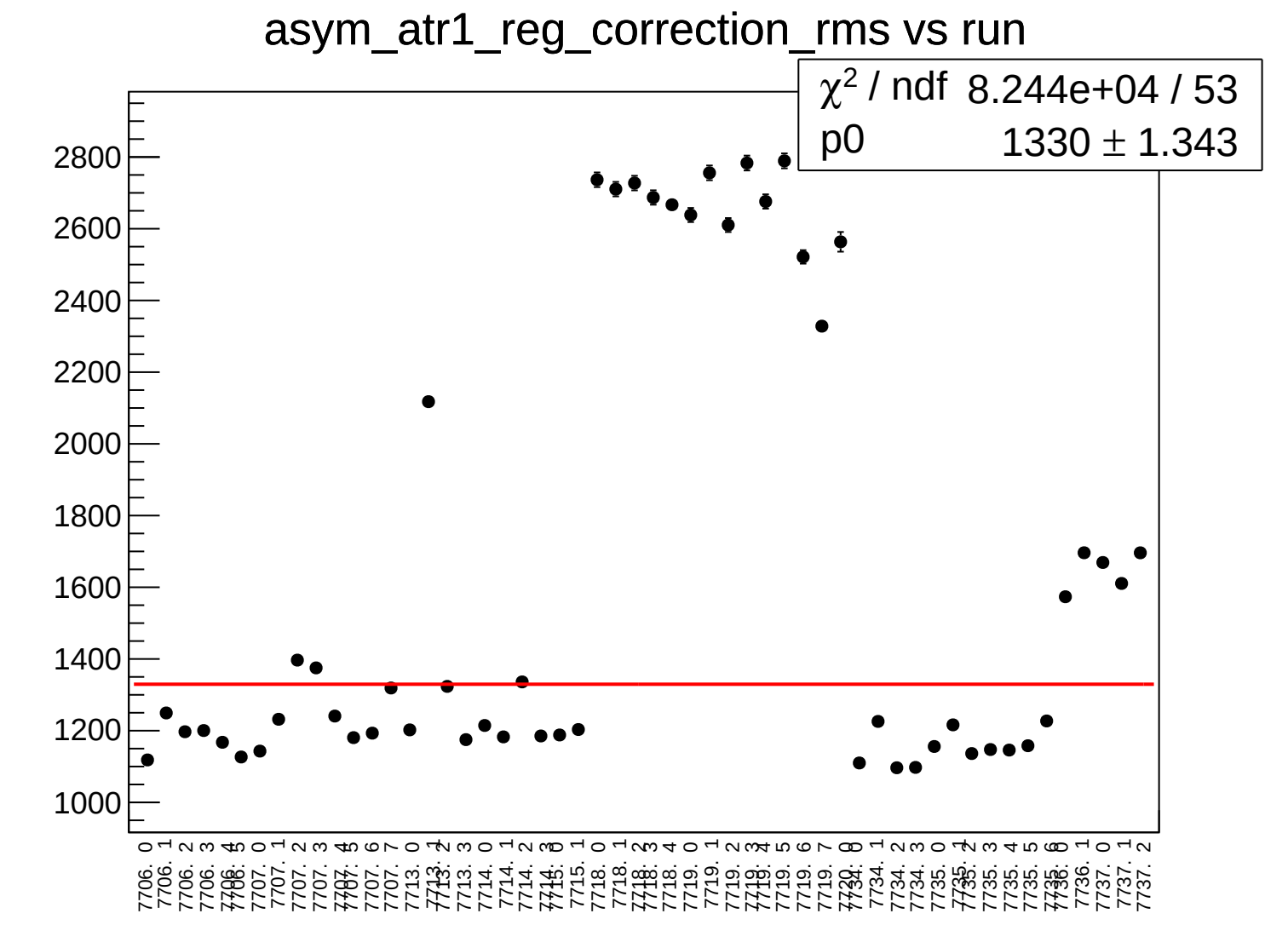

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 47.02 / 53
p0 4204 ± 3761
100
50
0
−50
−100
pull
Entries 54
Mean −1039
Std Dev 0
2
1
0
−1
−2

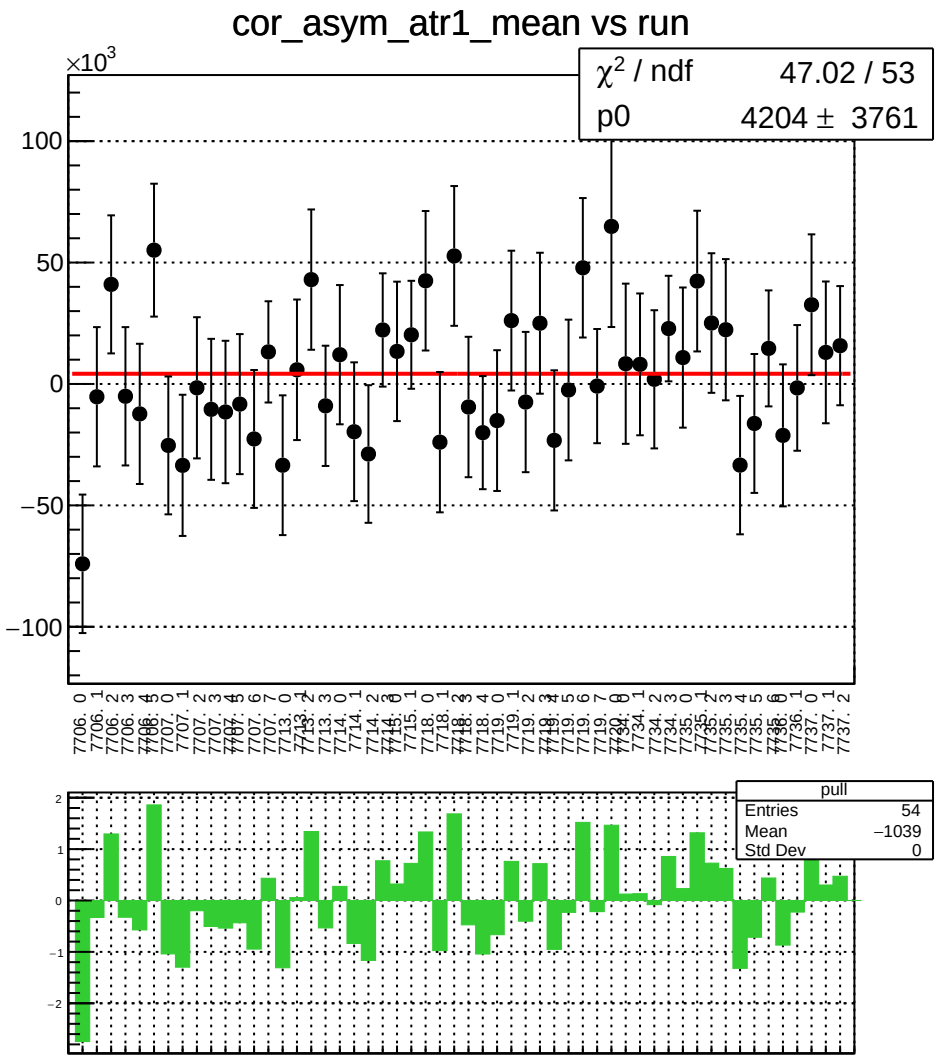

pull1D
Entries 54
Mean −0.003331
Std Dev 0.9332
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

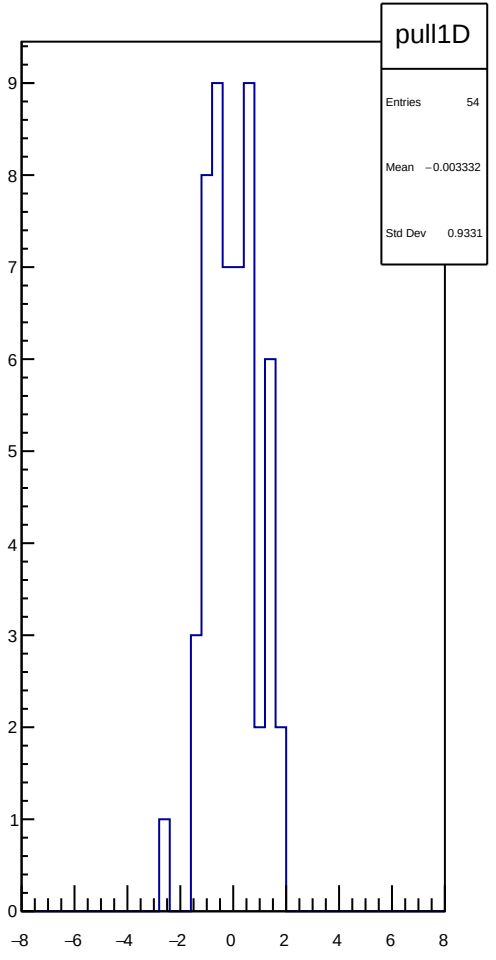

reg_asym_atr1_rms vs run
χ² / ndf 375.2 / 53
p0 2740 ± 2.659
3200
3100
3000
2900
2800
2700

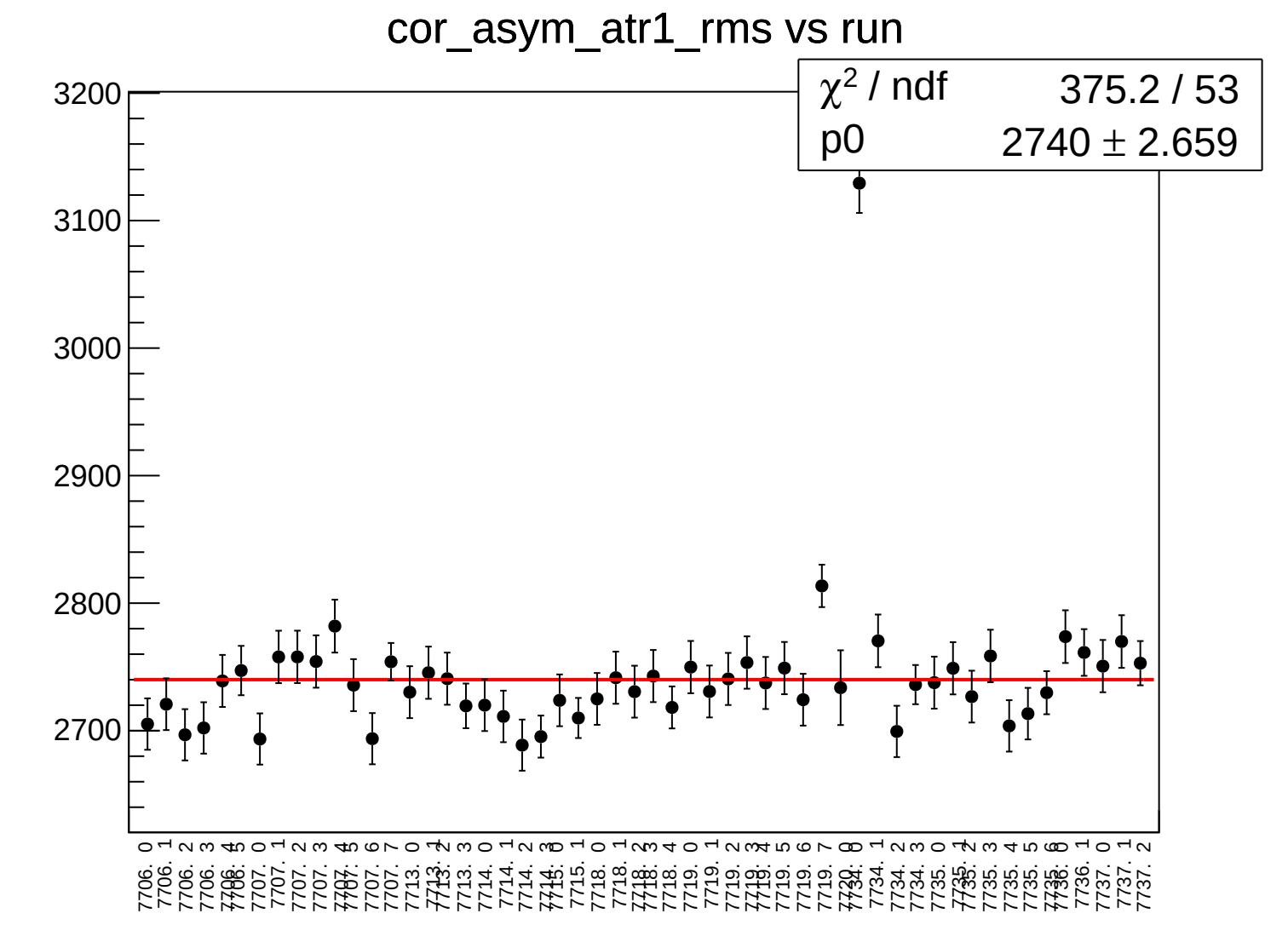

asym_atr1_reg_correction_mean vs run
χ² / ndf 39.86 / 53
p0 20.75 ± 1900
pull
Entries 54
Mean 10.84
Std Dev 0

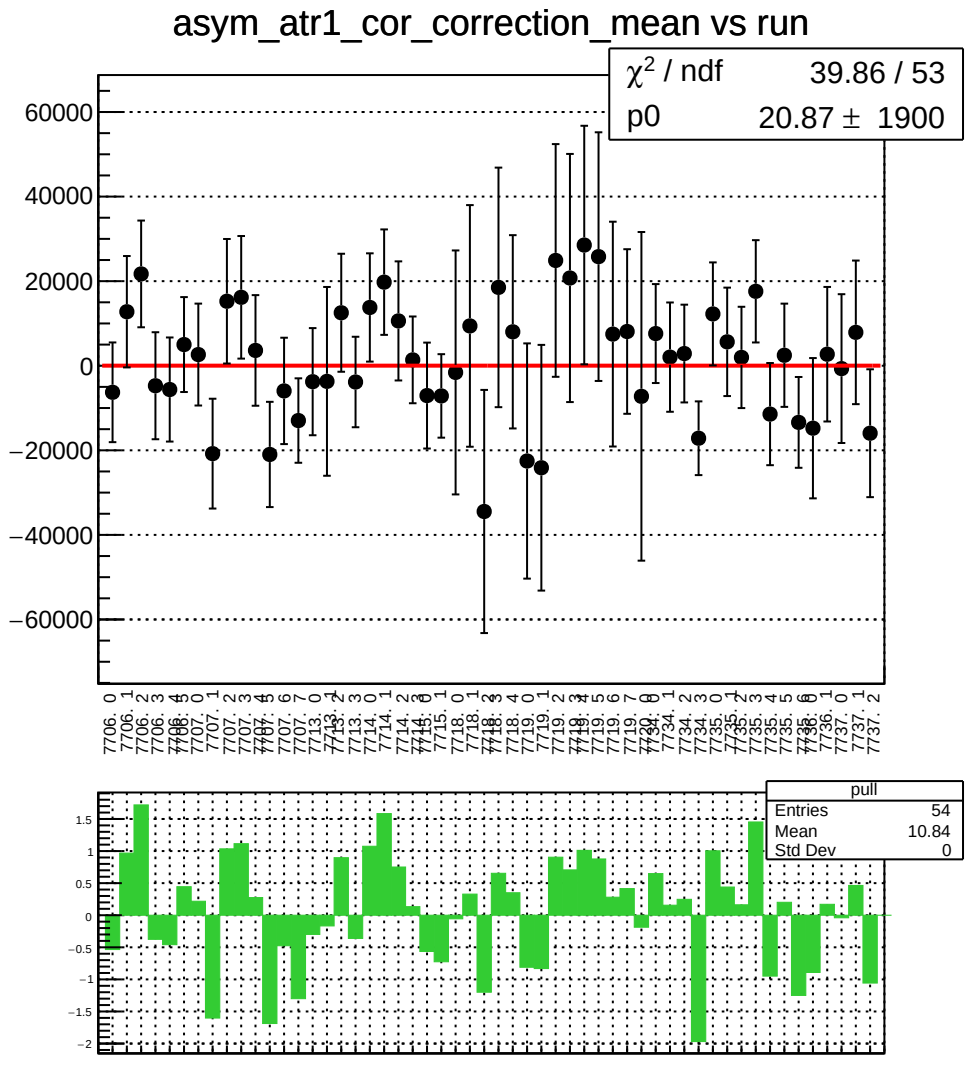

pull1D
Entries 54
Mean 0.05368
Std Dev 0.8574

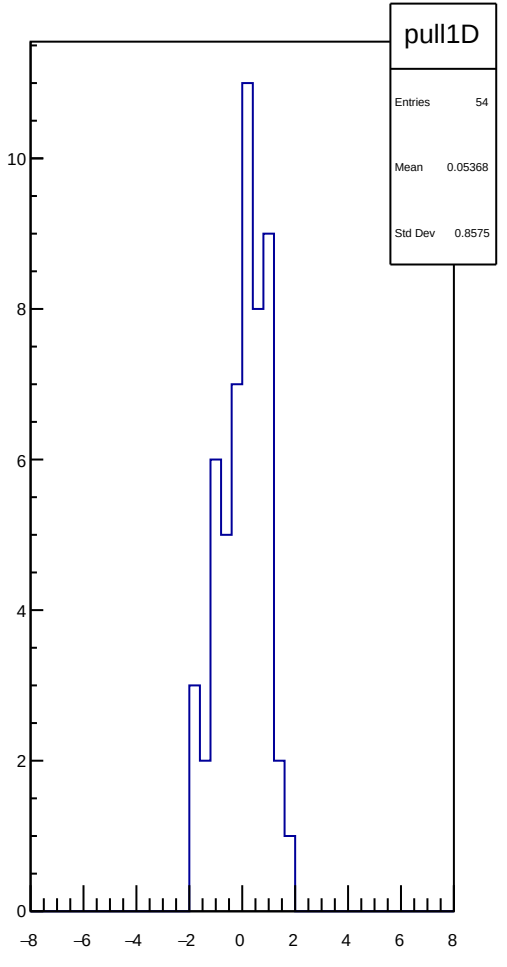

asym_atr1_reg_correction_rms vs run
χ² / ndf 8.244e+04 / 53
p0 1330 ± 1.343
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

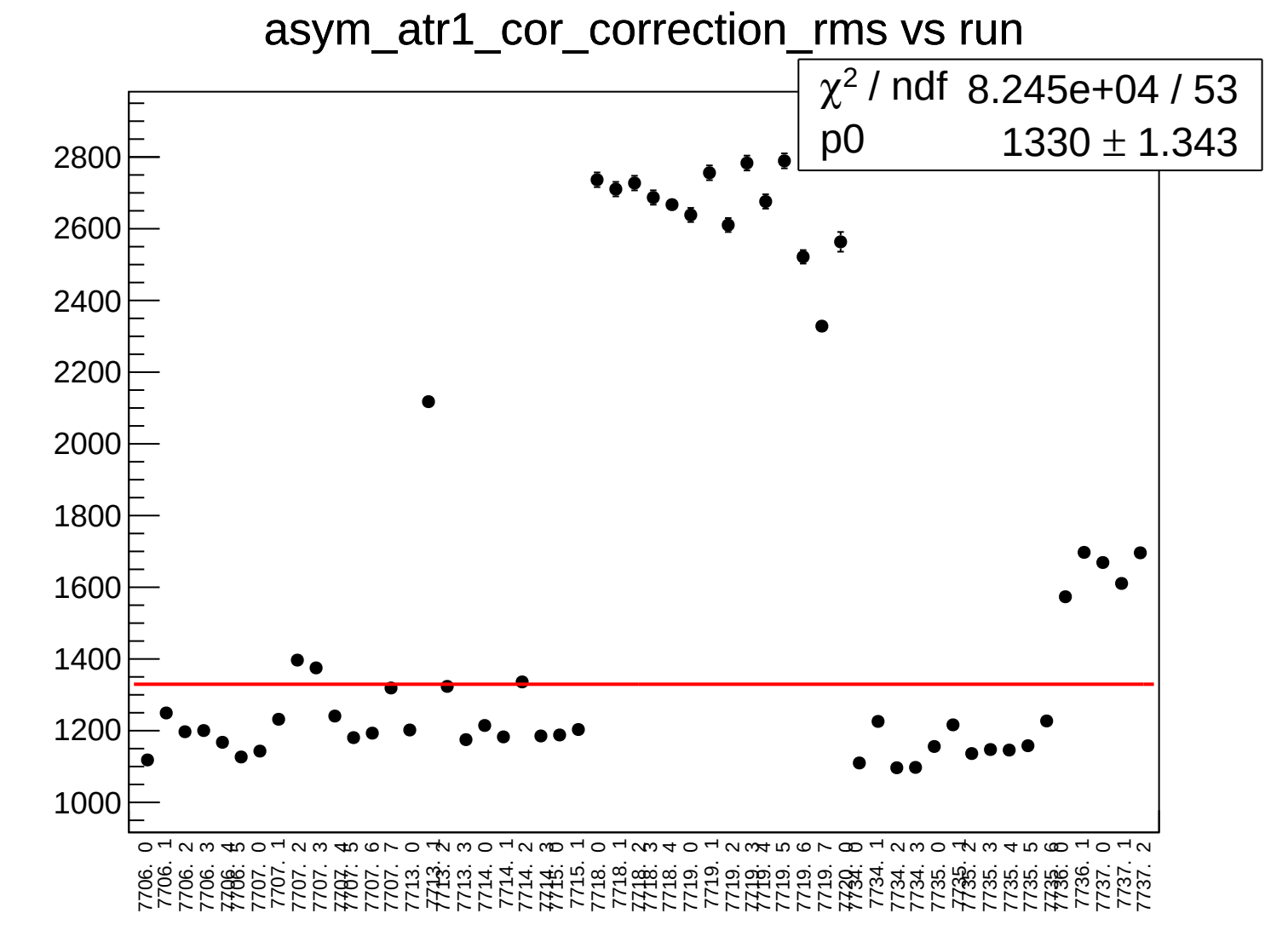

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 47.02 / 53
p0 4204 ± 3761
100
50
0
−50
−100
pull
Entries 54
Mean −1039
Std Dev 0

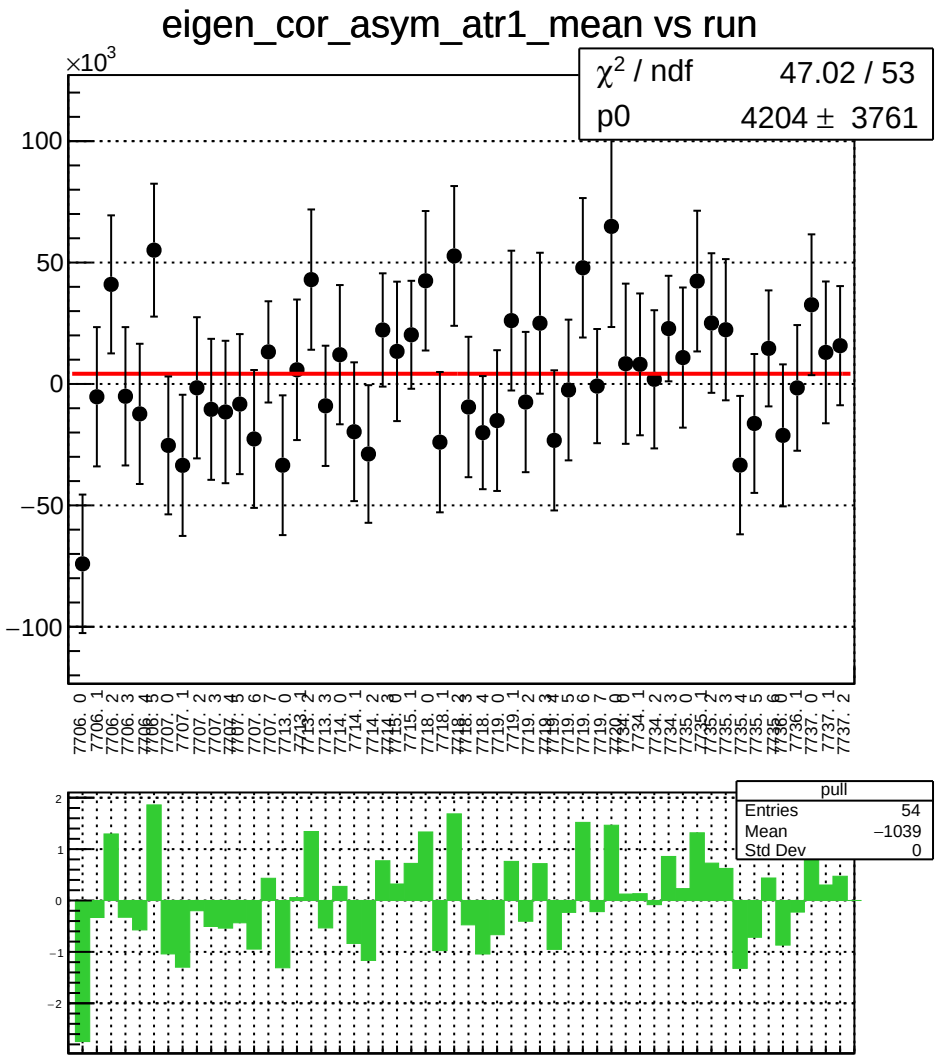

pull1D
Entries 54
Mean −0.003332
Std Dev 0.9331

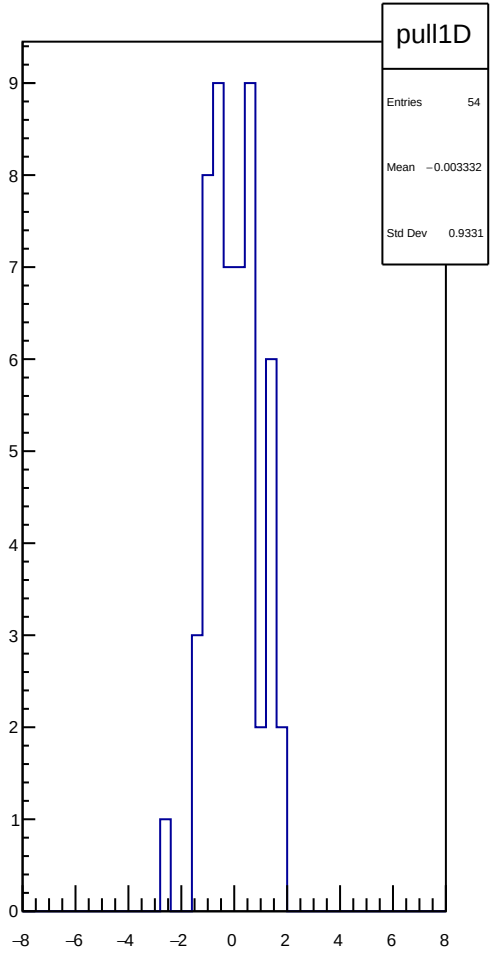

cor_asym_atr1_rms vs run
χ² / ndf 375.2 / 53
p0 2740 ± 2.659
3200
3100
3000
2900
2800
2700

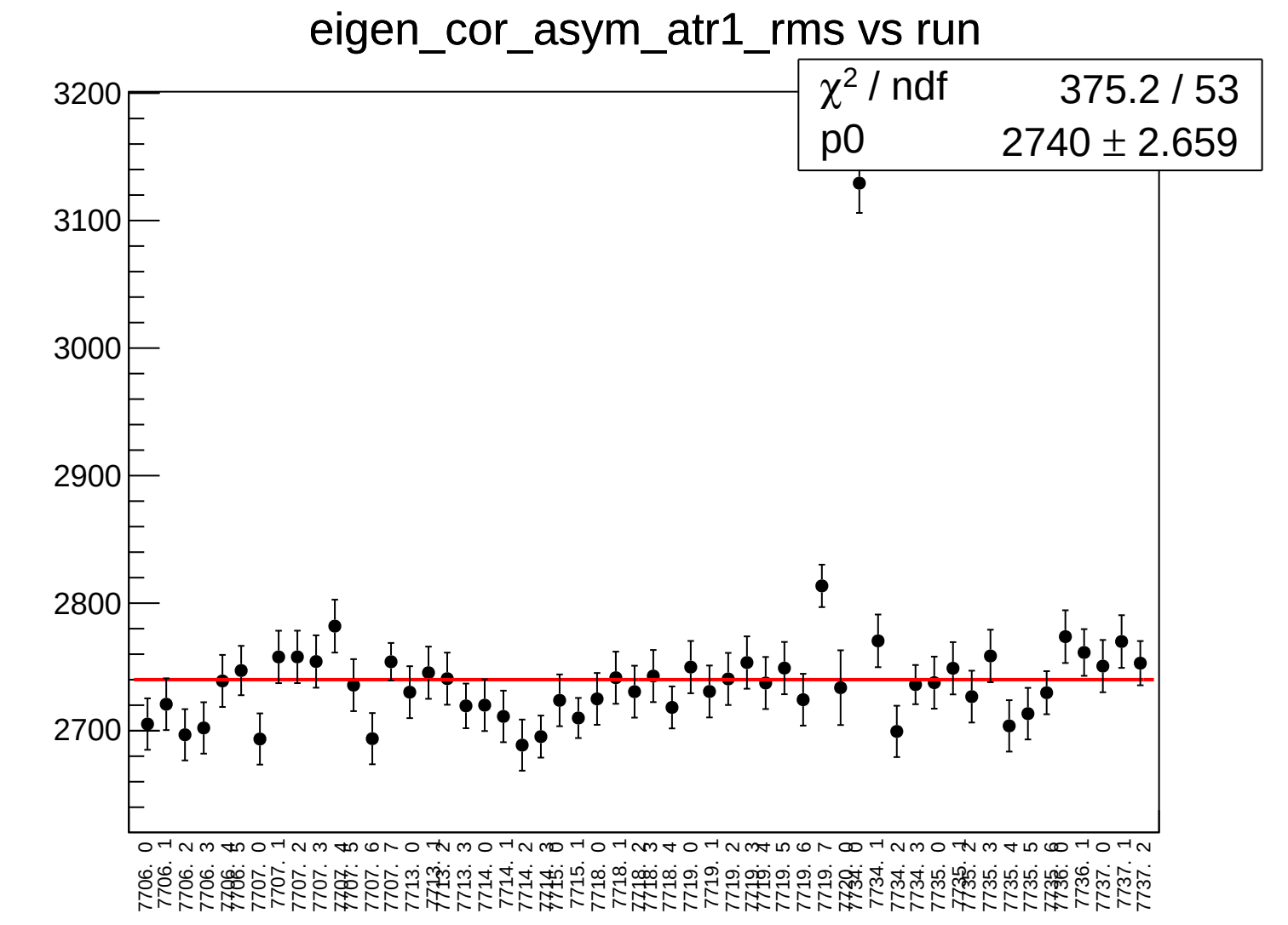

asym_atr1_cor_correction_mean vs run
χ² / ndf 39.86 / 53
p0 20.87 ± 1900
pull
Entries 54
Mean 10.84
Std Dev 0

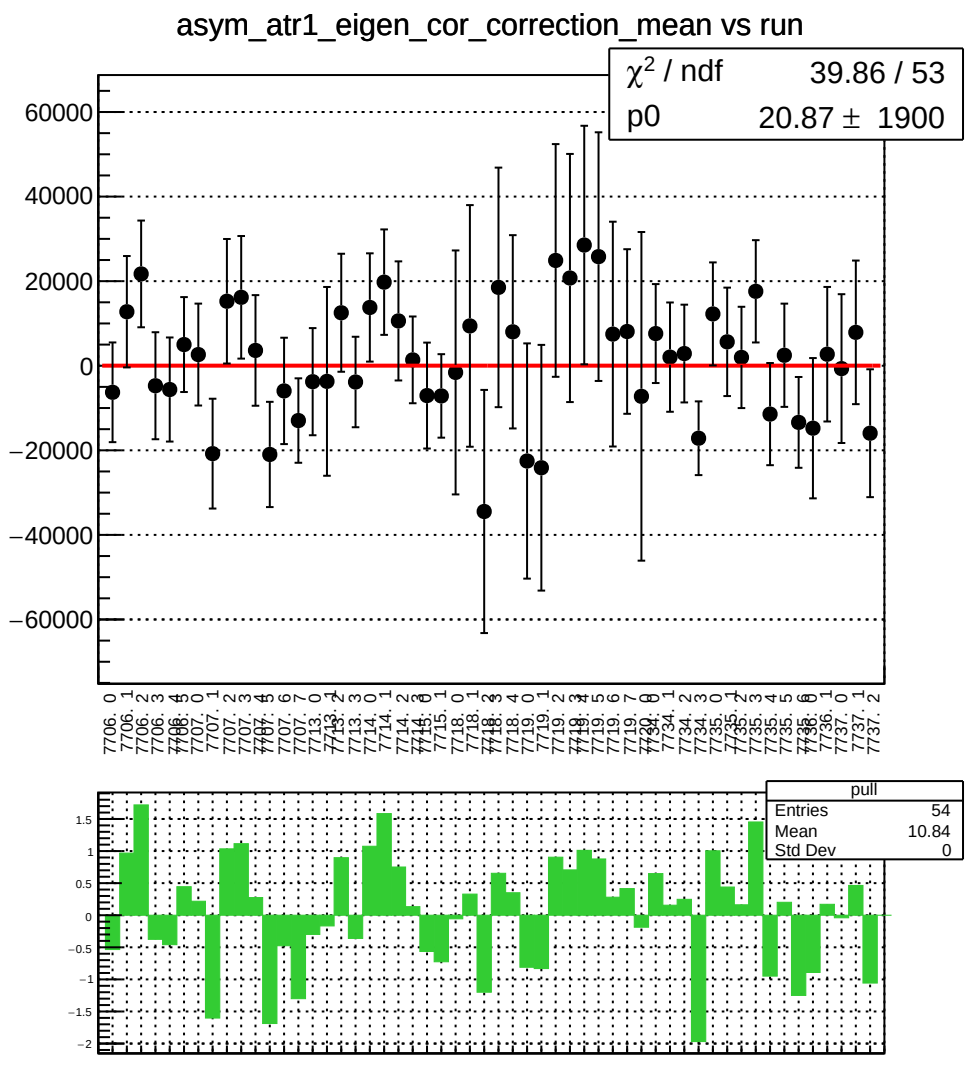

pull1D
Entries 54
Mean 0.05368
Std Dev 0.8575

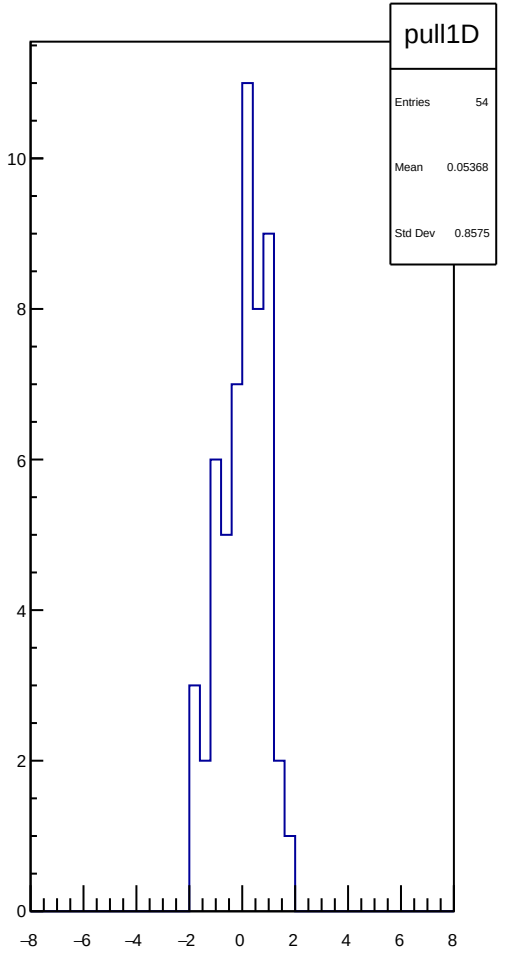

asym_atr1_cor_correction_rms vs run
χ² / ndf 8.245e+04 / 53
p0 1330 ± 1.343
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

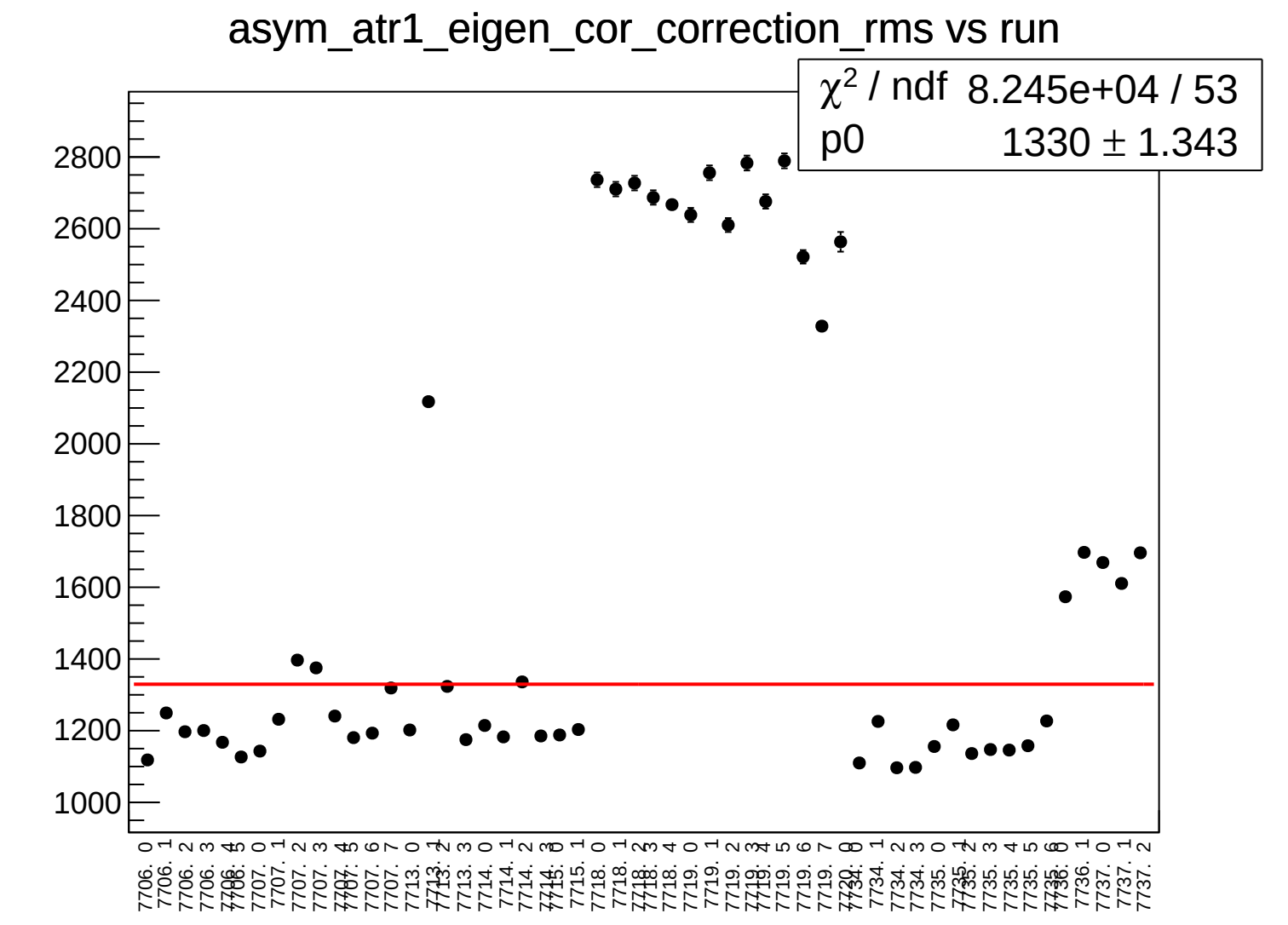

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 47.02 / 53
p0 4204 ± 3761
100
50
0
−50
−100
pull
Entries 54
Mean −1039
Std Dev 0
2
1
0
−1
−2

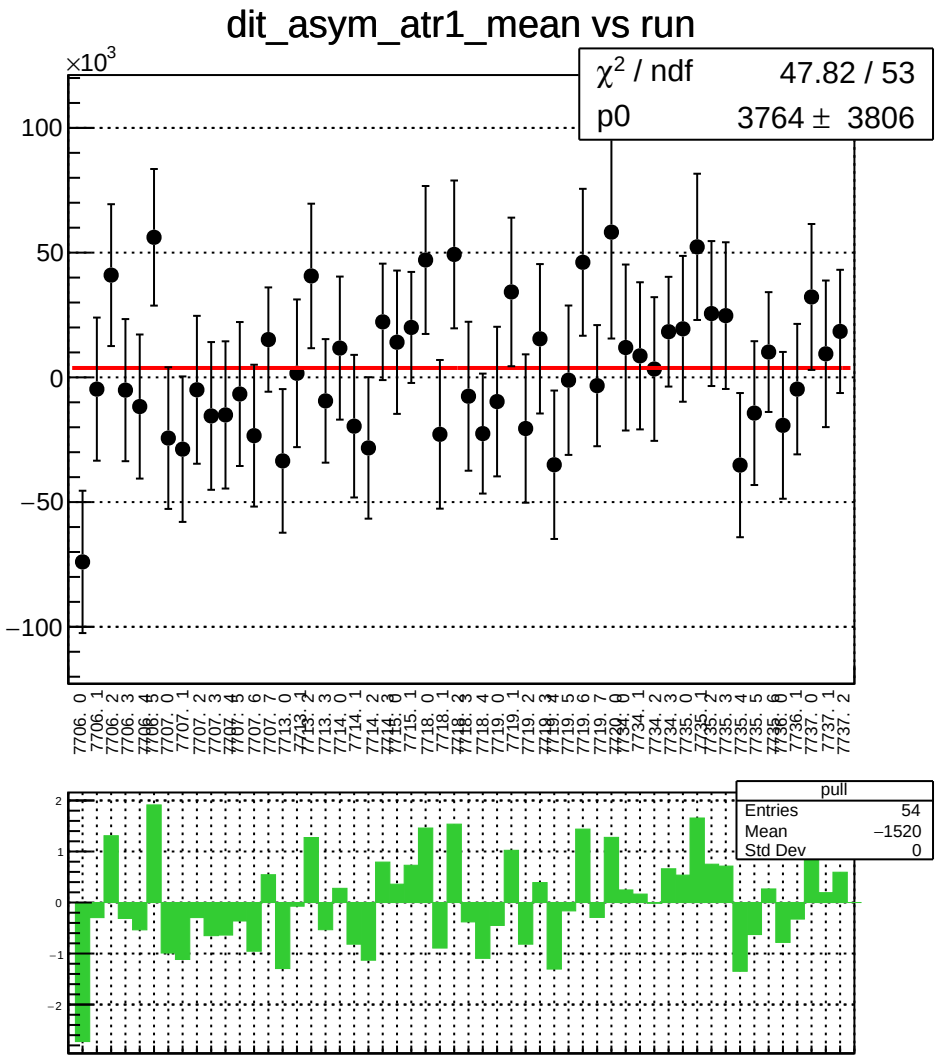

pull1D
Entries 54
Mean −0.003332
Std Dev 0.9331
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

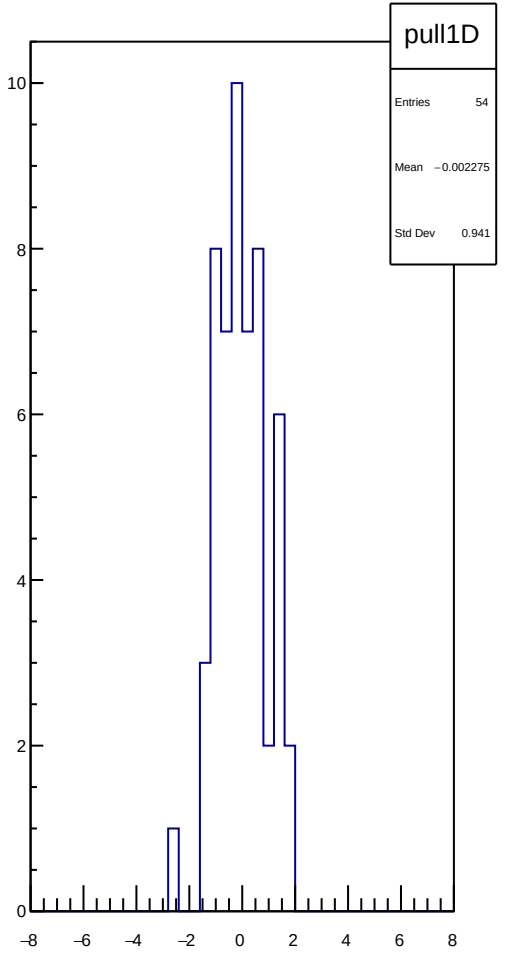

eigen_cor_asym_atr1_rms vs run
χ² / ndf 375.2 / 53
p0 2740 ± 2.659
3200
3100
3000
2900
2800
2700

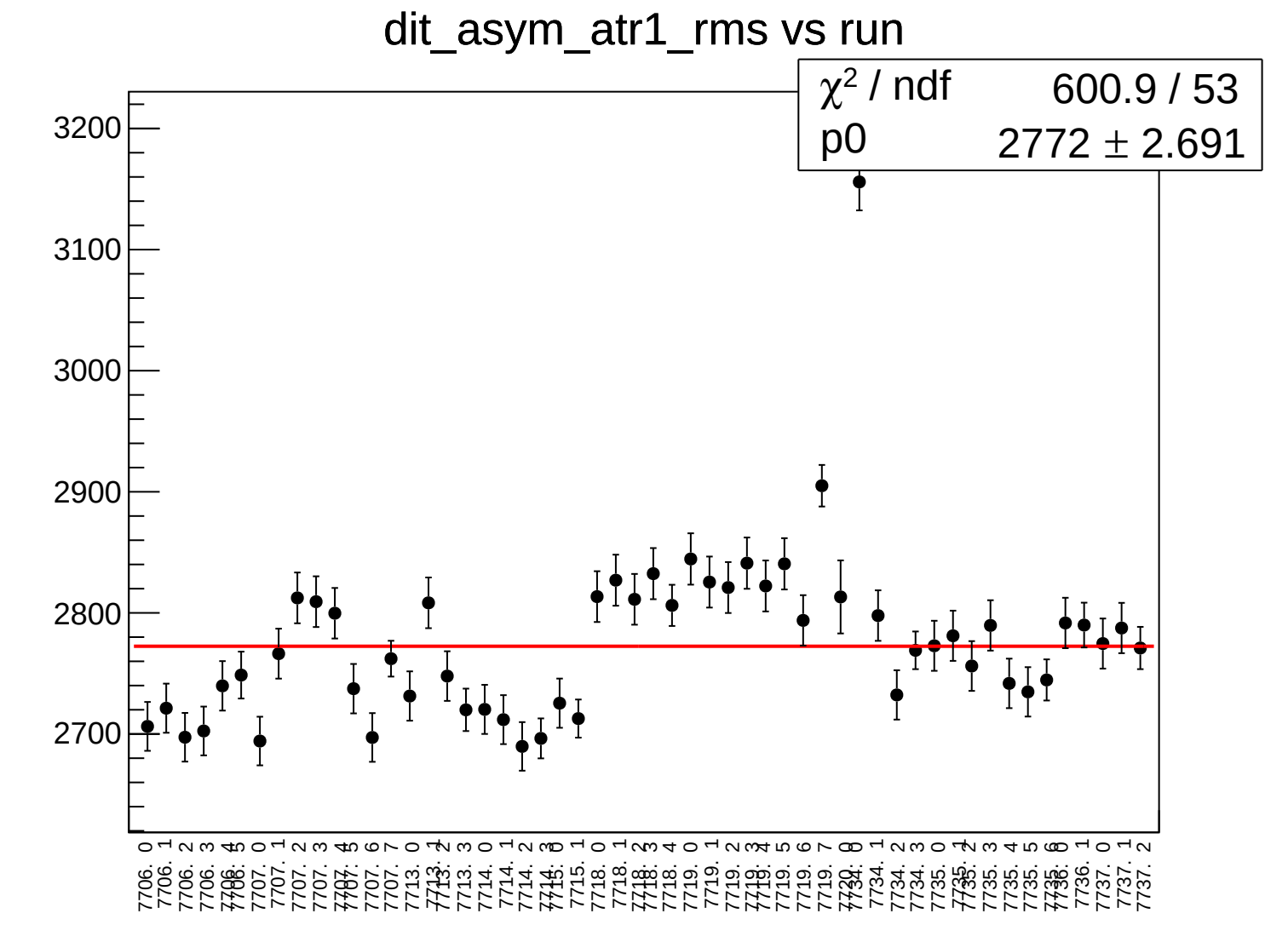

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 39.86 / 53
p0 20.87 ± 1900
pull
Entries 54
Mean 10.84
Std Dev 0

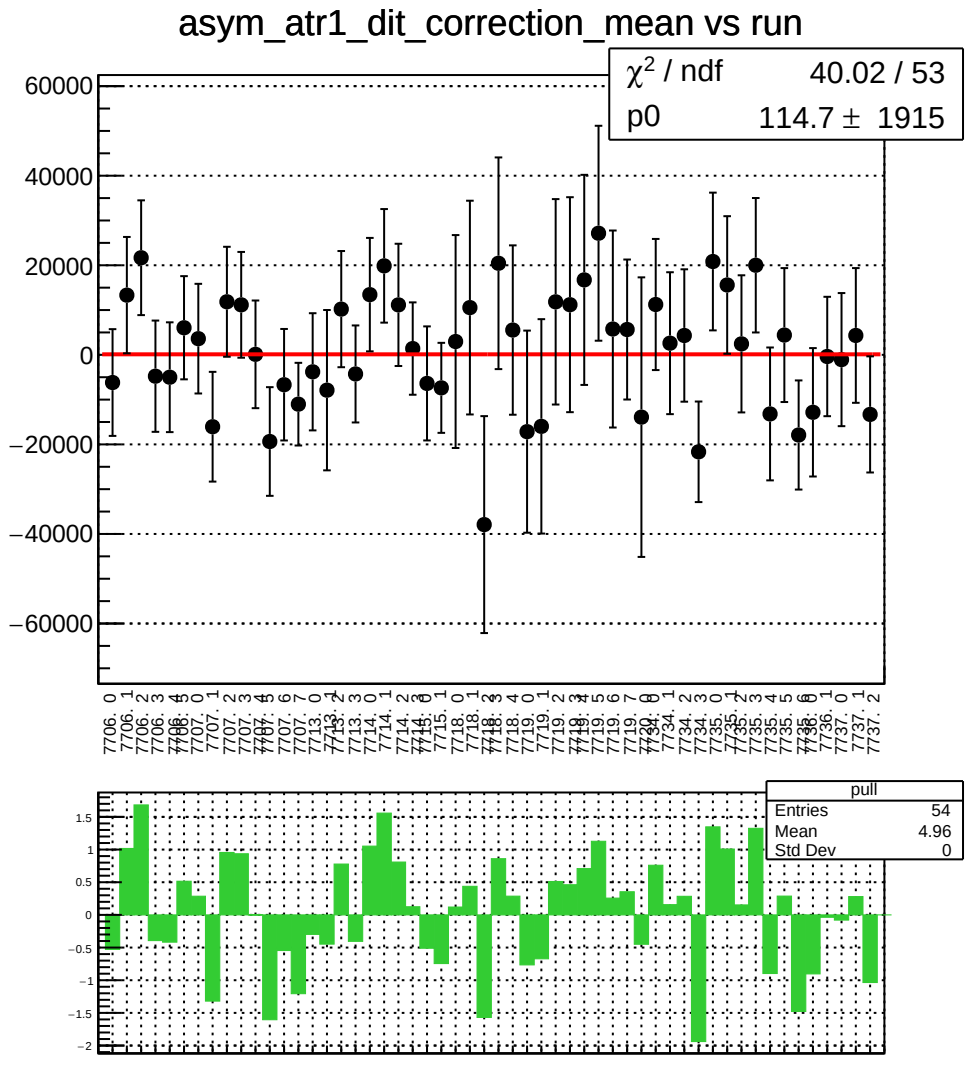

pull1D
Entries 54
Mean 0.05368
Std Dev 0.8575

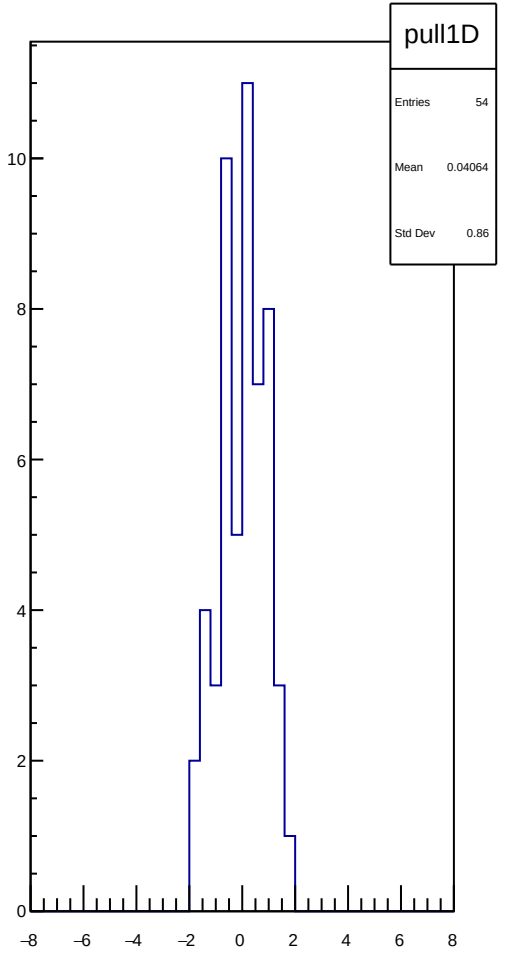

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 8.245e+04 / 53
p0 1330 ± 1.343
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

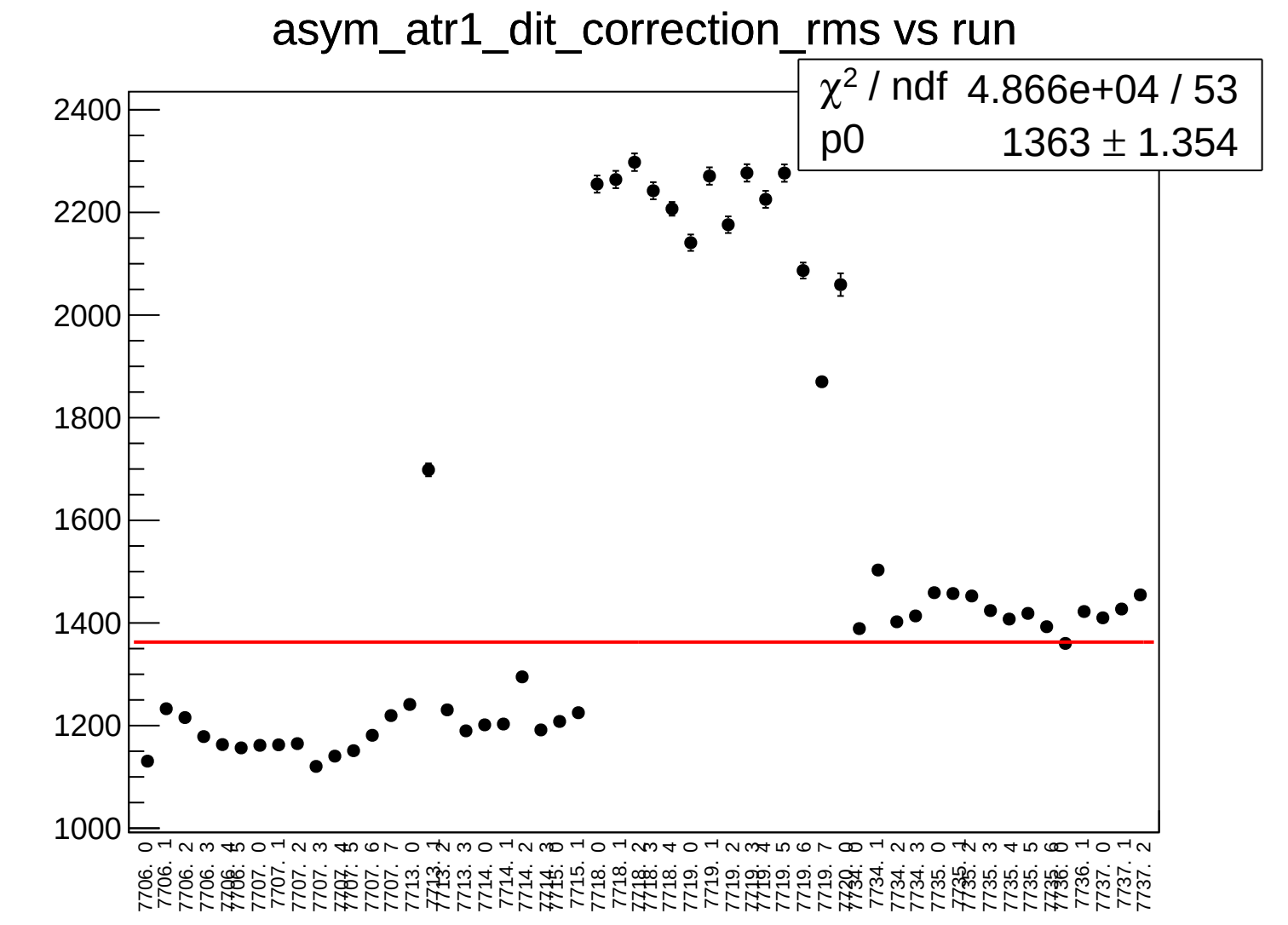

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 47.82 / 53
p0 3764 ± 3806
100
50
0
−50
−100
pull
Entries 54
Mean −1520
Std Dev 0
2
1
0
−1
−2

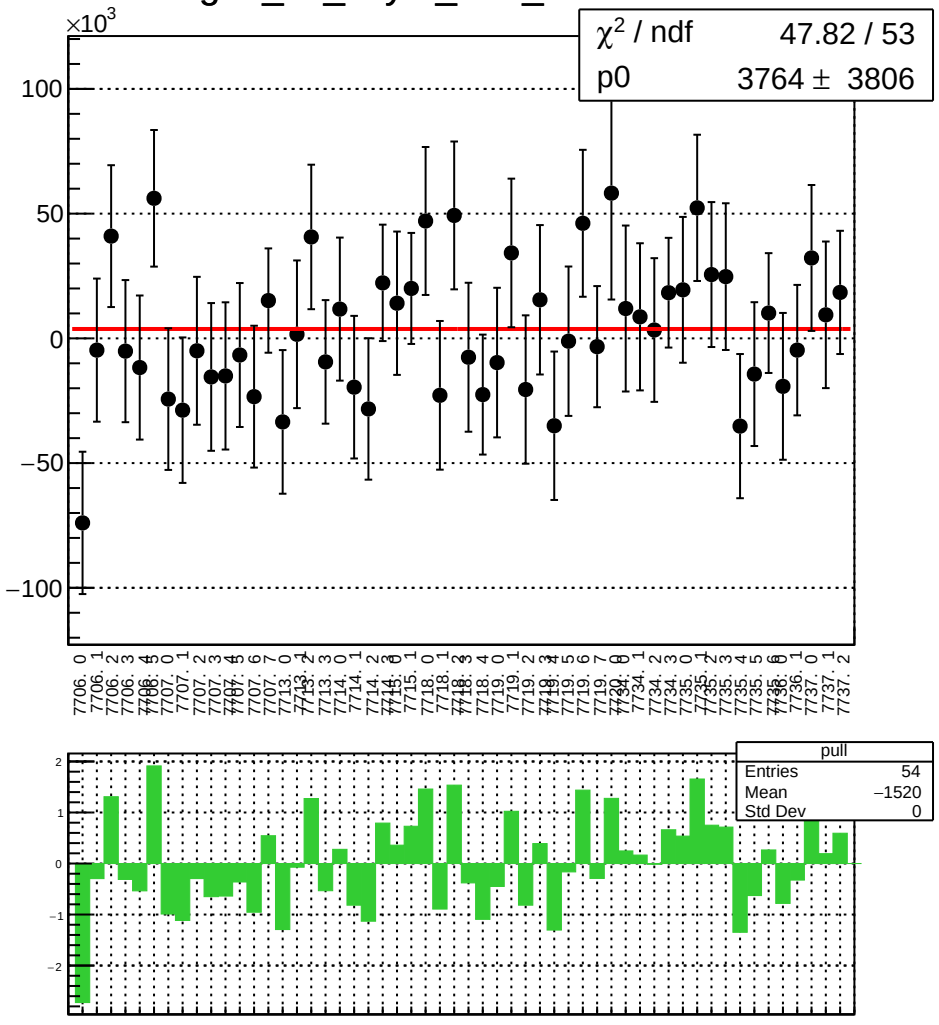

pull1D
Entries 54
Mean −0.002275
Std Dev 0.941
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

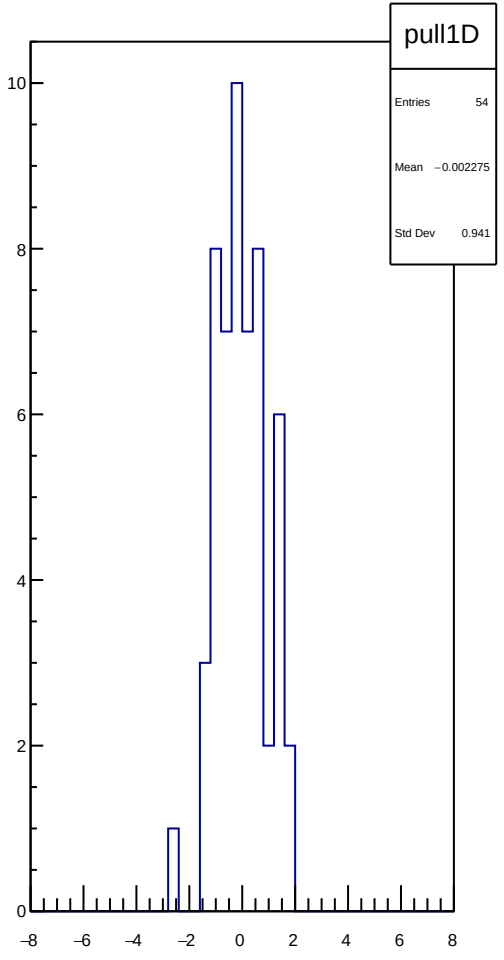

dit_asym_atr1_rms vs run
χ² / ndf 600.9 / 53
p0 2772 ± 2.691
3200
3100
3000
2900
2800
2700

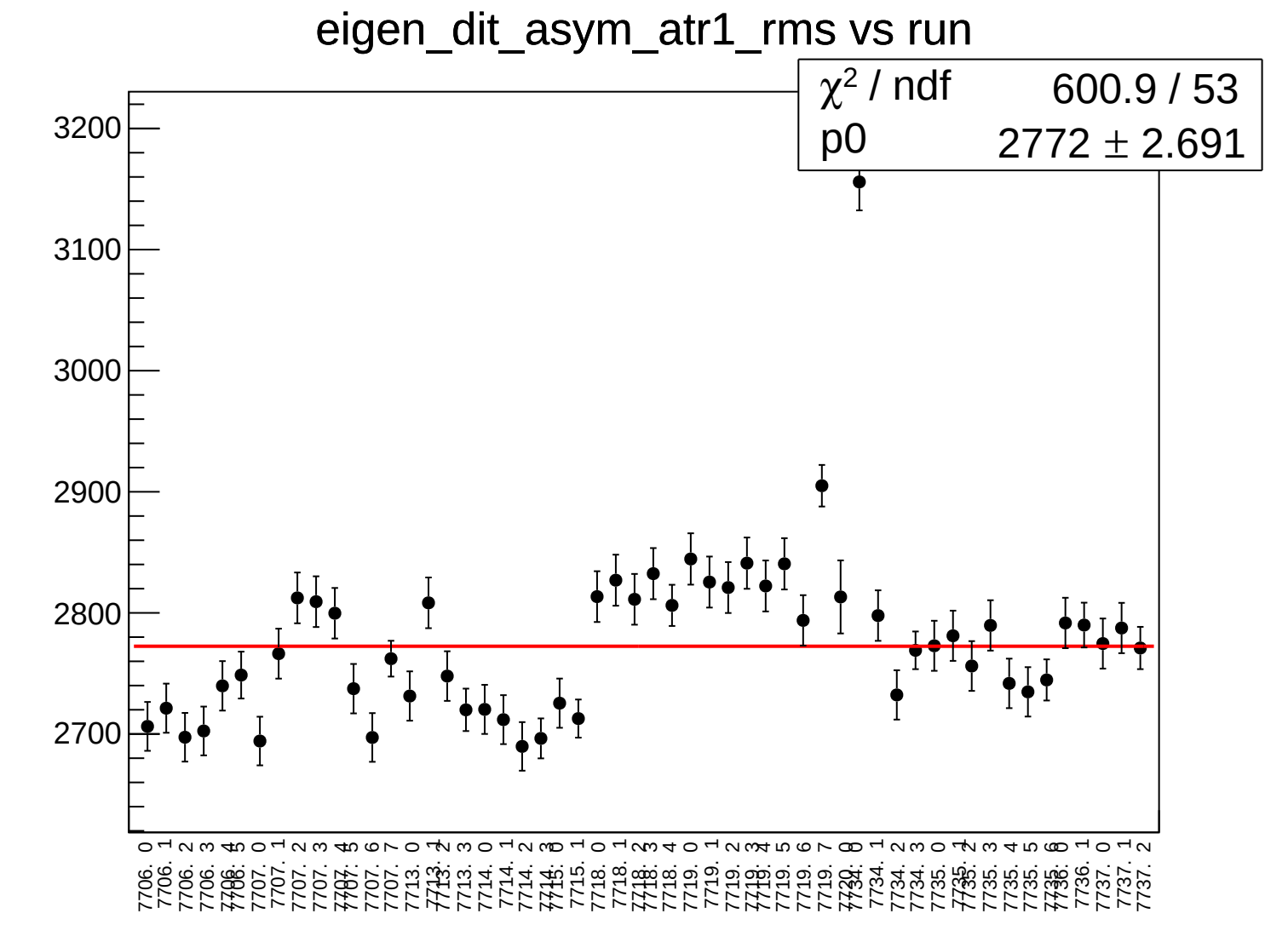

asym_atr1_dit_correction_mean vs run
χ² / ndf 40.02 / 53
p0 114.7 ± 1915
pull
Entries 54
Mean 4.96
Std Dev 0

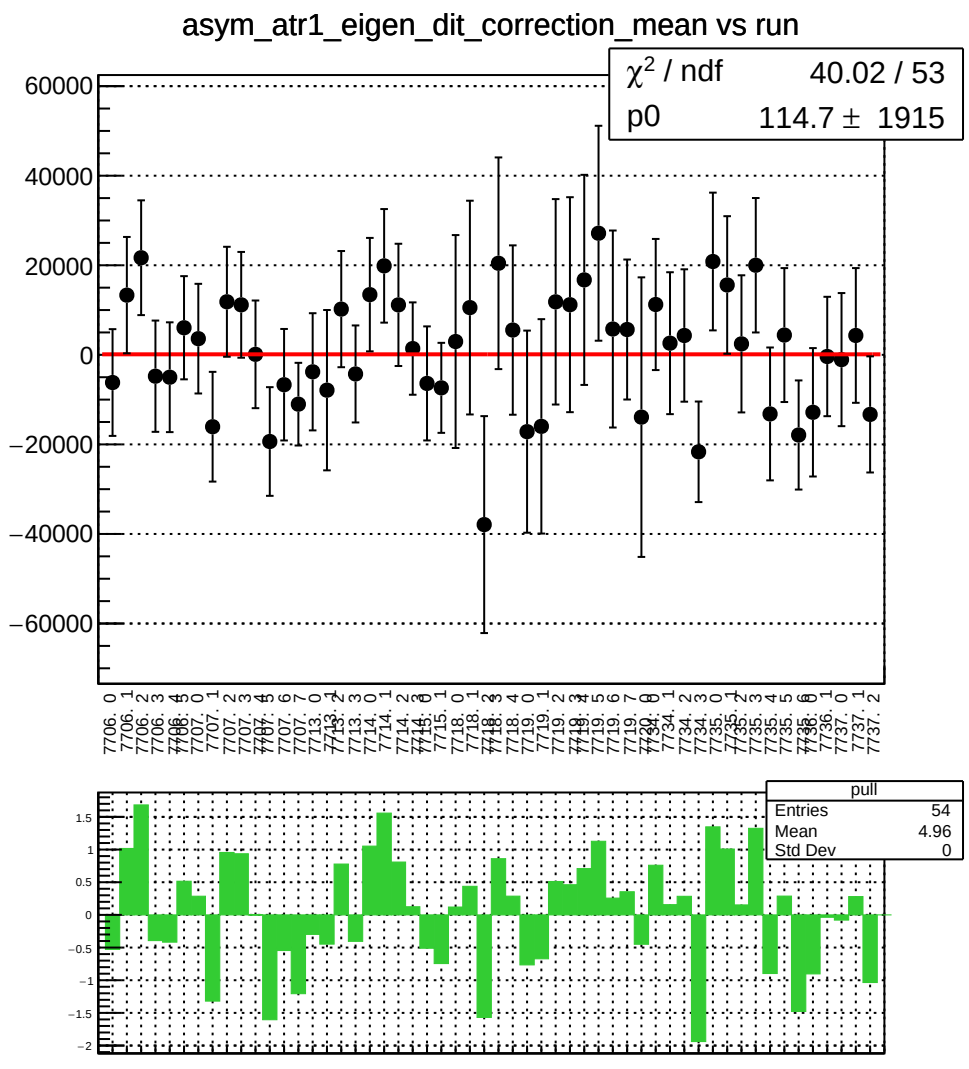

pull1D
Entries 54
Mean 0.04064
Std Dev 0.86

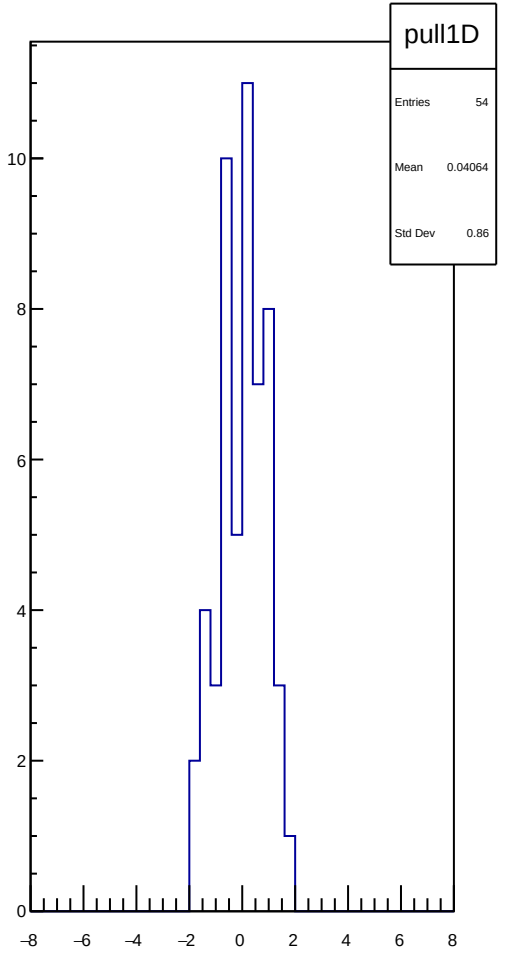

asym_atr1_dit_correction_rms vs run
χ² / ndf 4.866e+04 / 53
p0 1363 ± 1.354
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

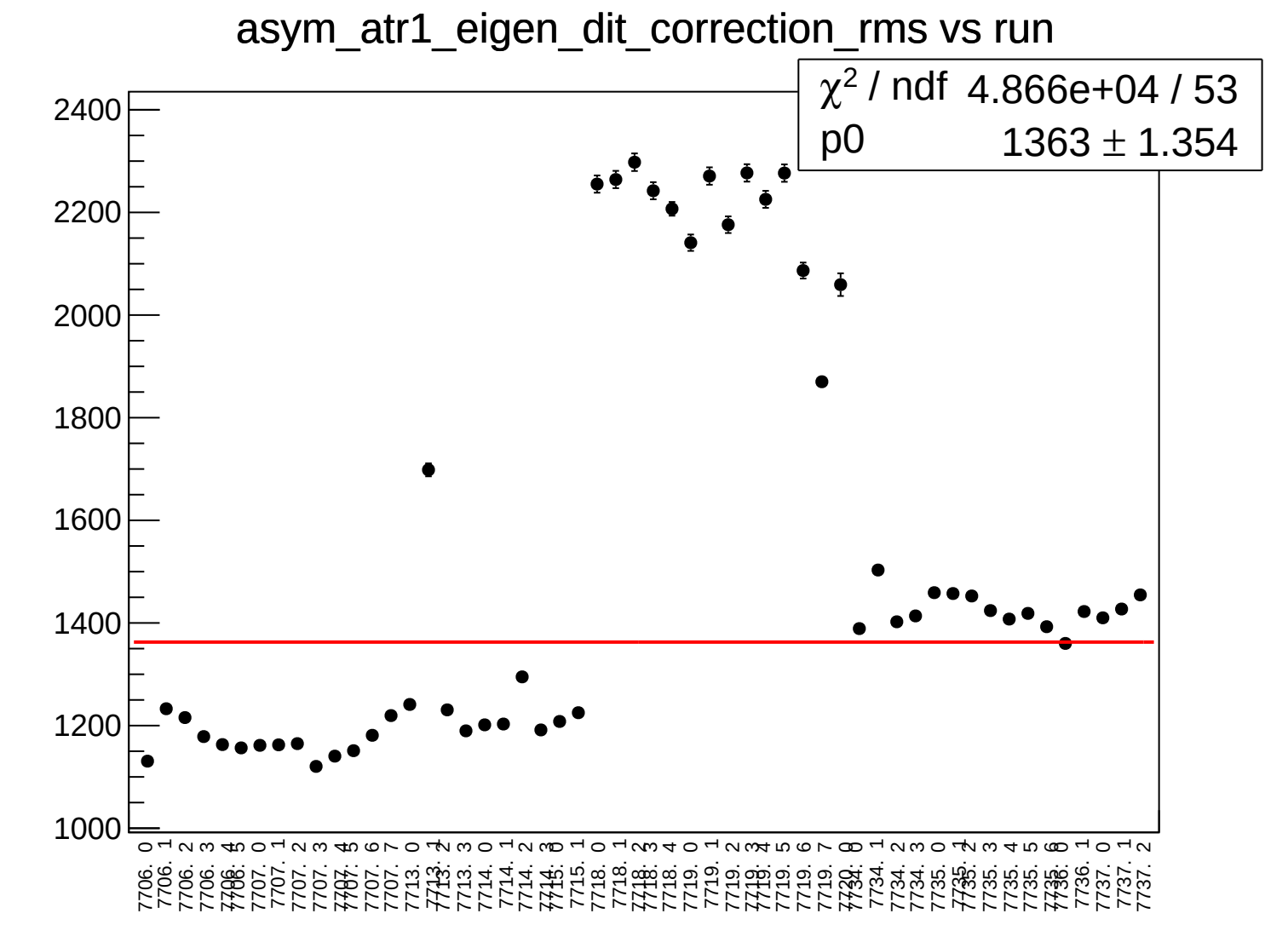

eigen_dit_asym_atr1_mean vs run
χ² / ndf 47.82 / 53
p0 3764 ± 3806
pull
Entries 54
Mean −1520
Std Dev 0

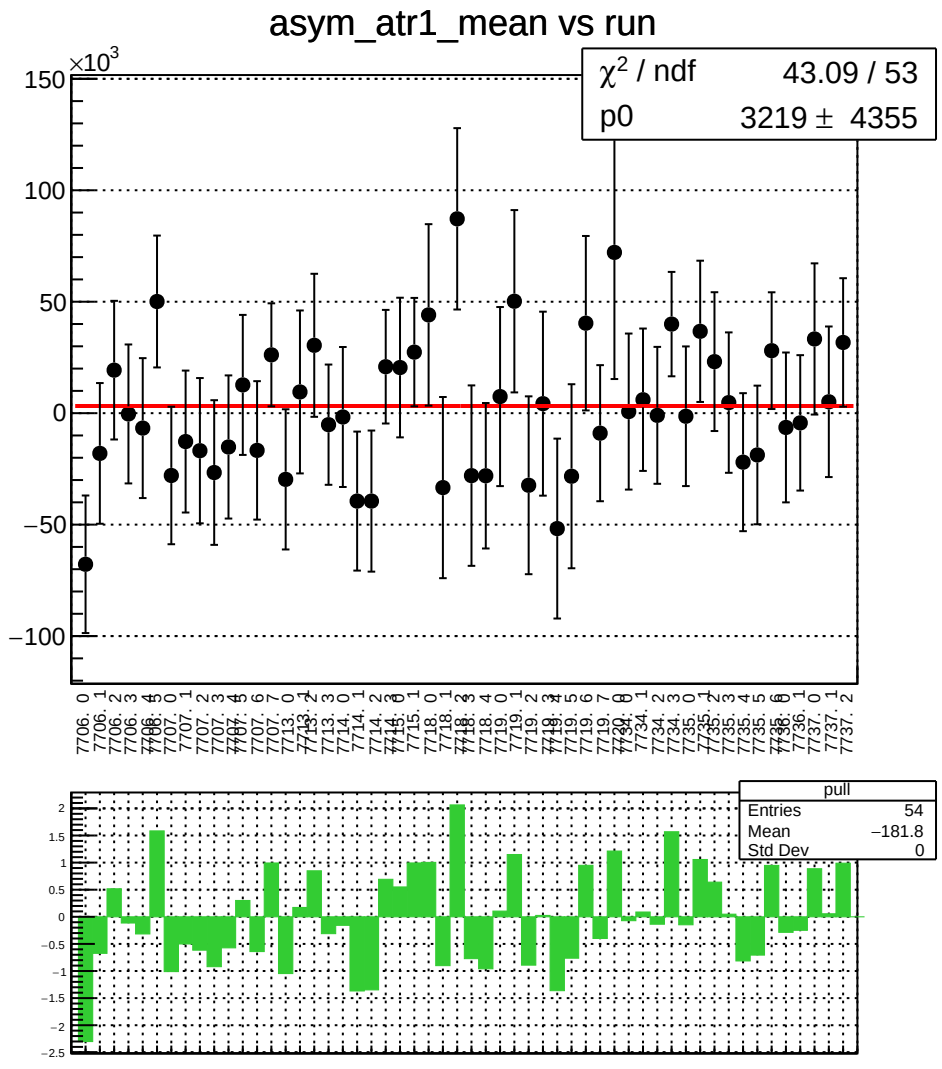

pull1D
Entries 54
Mean −0.002275
Std Dev 0.941

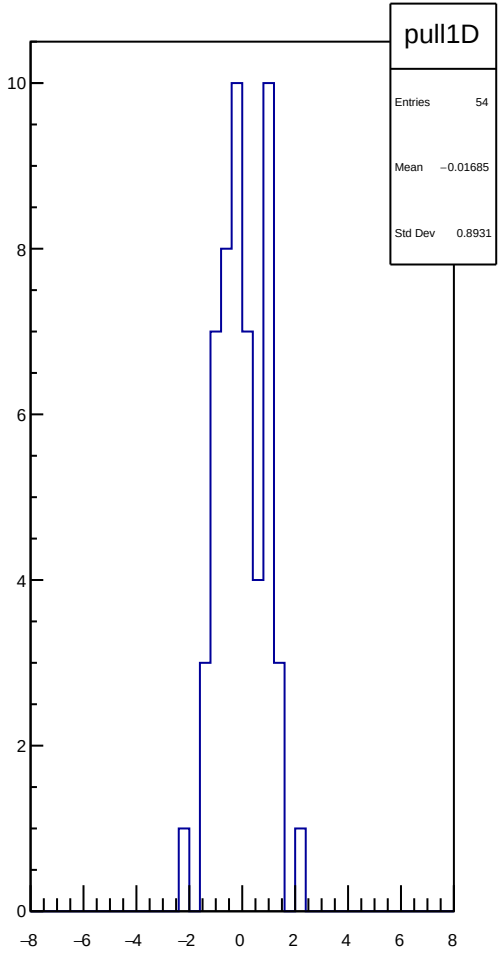

eigen_dit_asym_atr1_rms vs run
χ² / ndf 600.9 / 53
p0 2772 ± 2.691
3200
3100
3000
2900
2800
2700

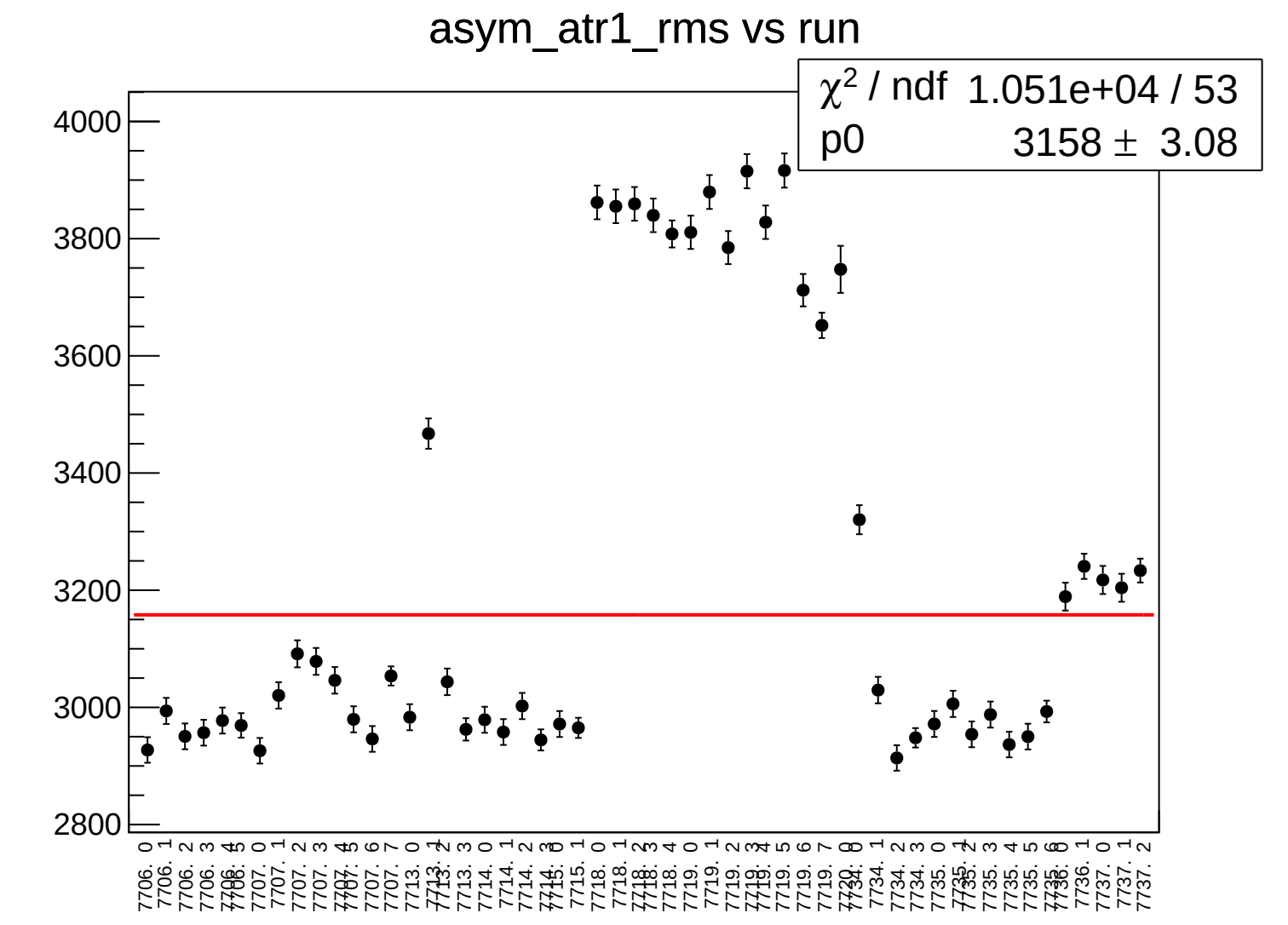

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 40.02 / 53
p0 114.7 ± 1915
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 4.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

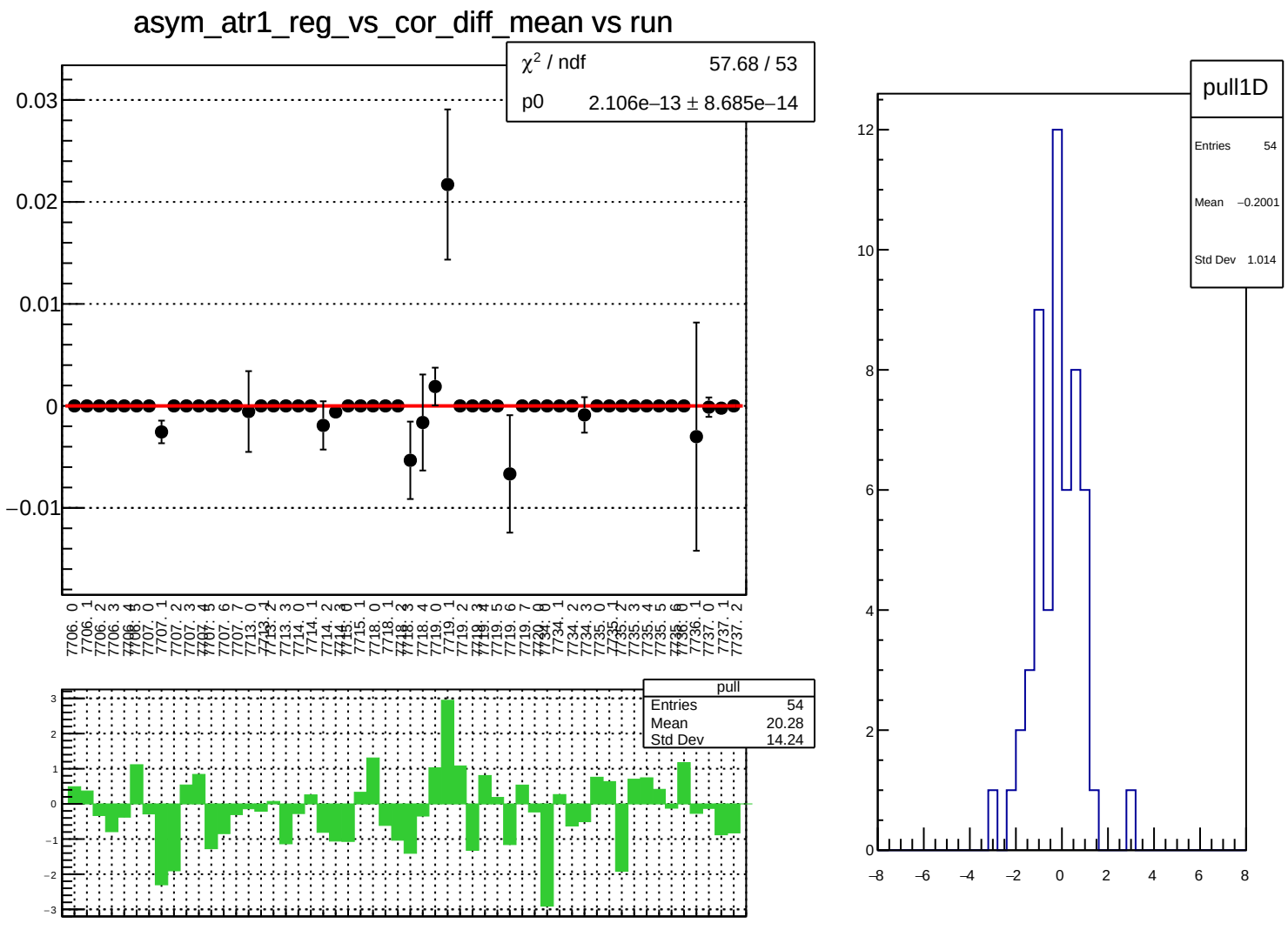

pull1D
Entries 54
Mean 0.04064
Std Dev 0.86
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

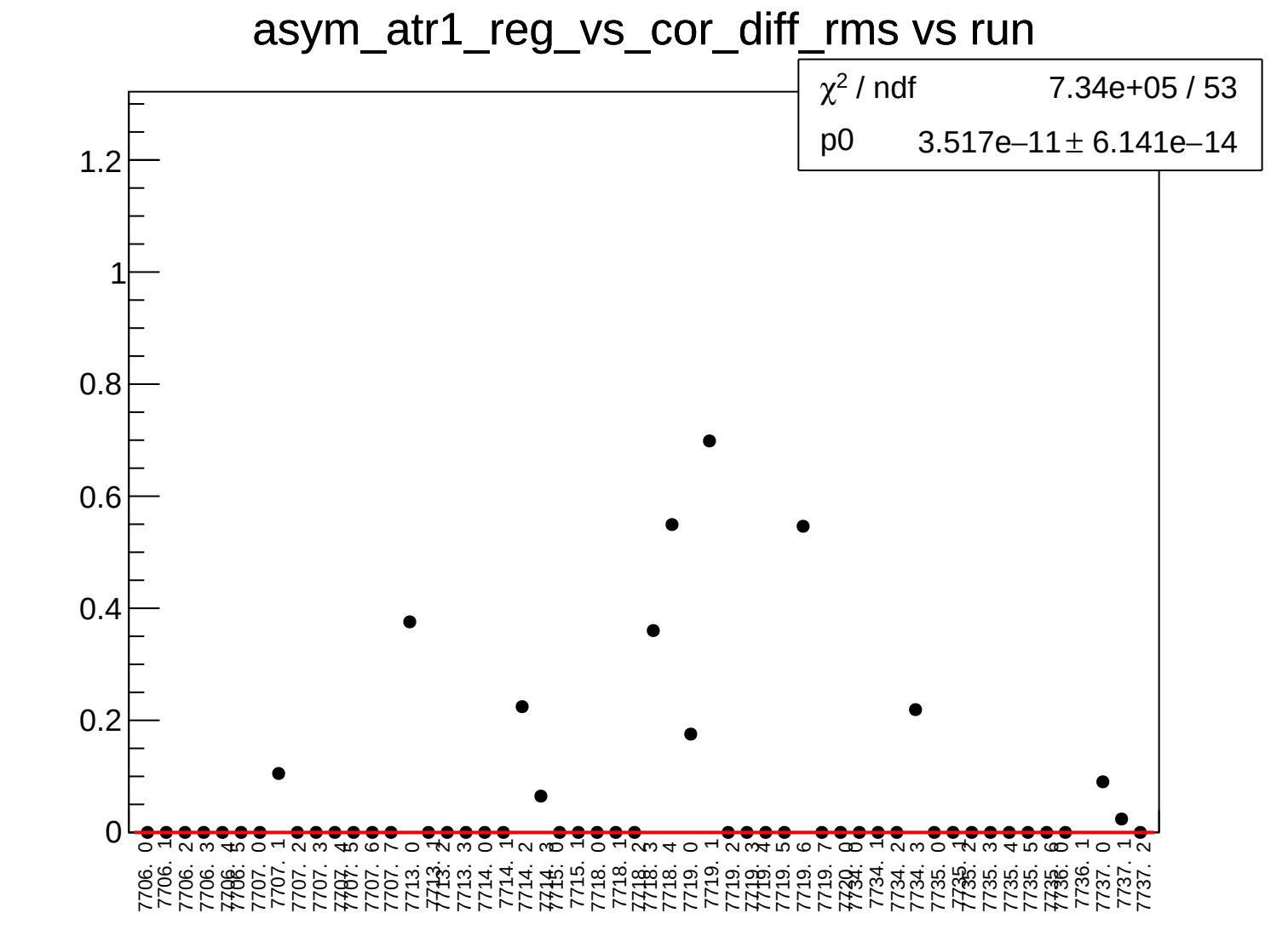

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 4.866e+04 / 53
p0 1363 ± 1.354
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

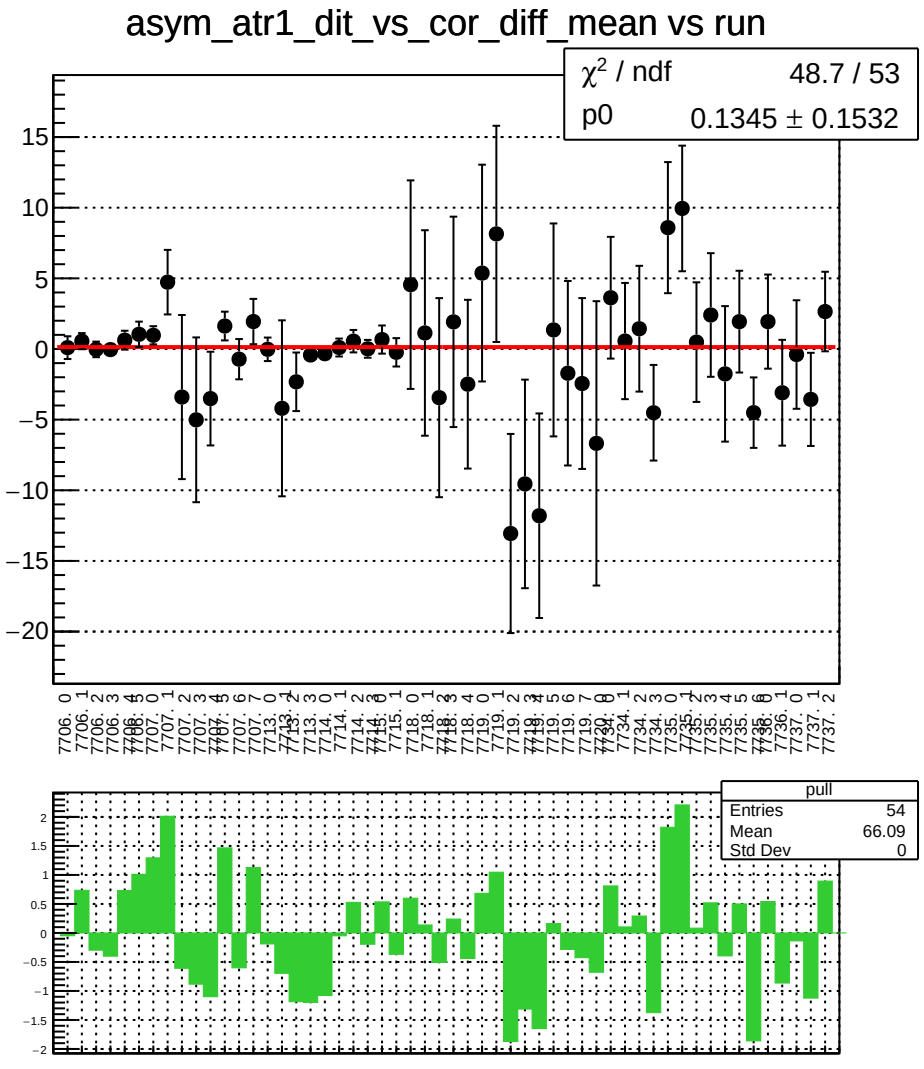

asym_atr1_mean vs run
×10^3
χ² / ndf 43.09 / 53
p0 3219 ± 4355
pull
Entries 54
Mean −181.8
Std Dev 0

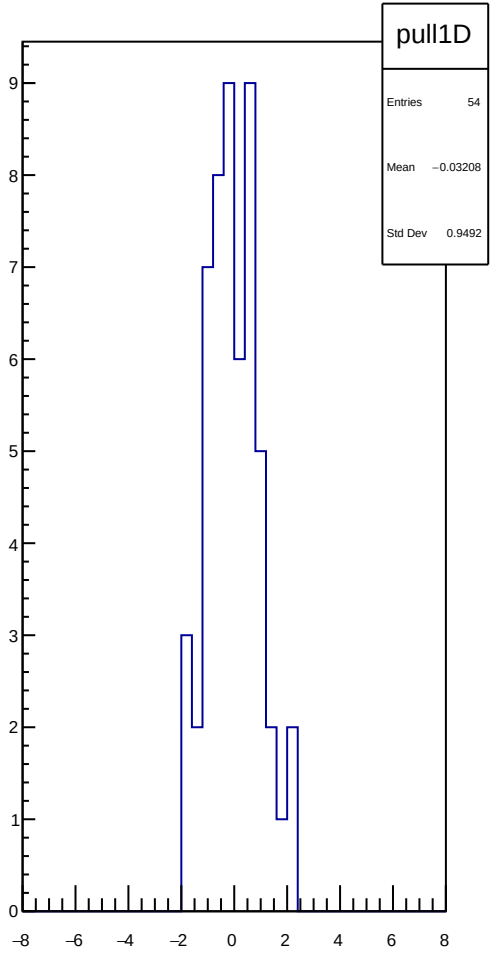

pull1D
Entries 54
Mean −0.01685
Std Dev 0.8931

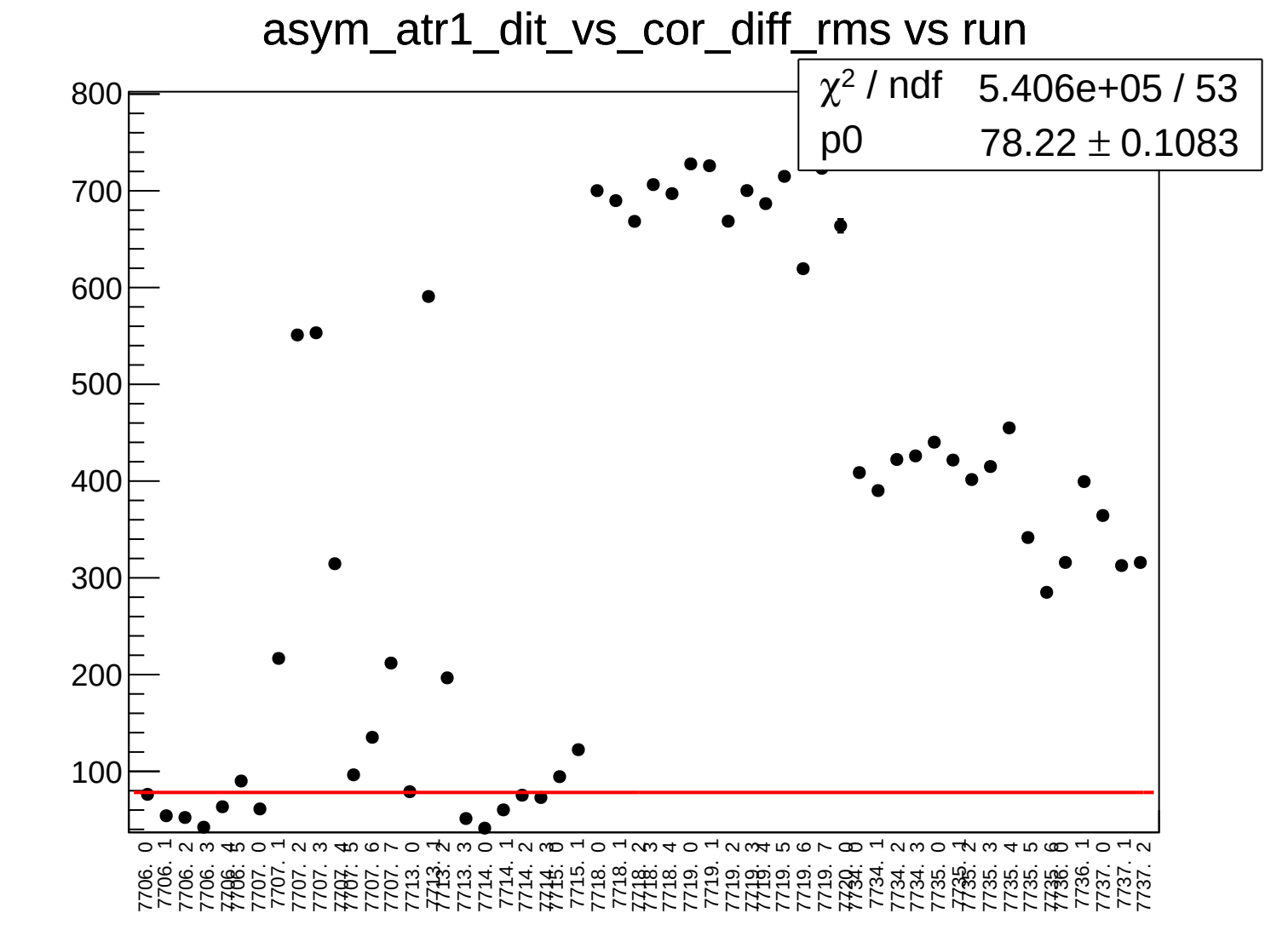

asym_atr1_rms vs run
χ² / ndf 1.051e+04 / 53
p0 3158 ± 3.08
4000
3800
3600
3400
3200
3000
2800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

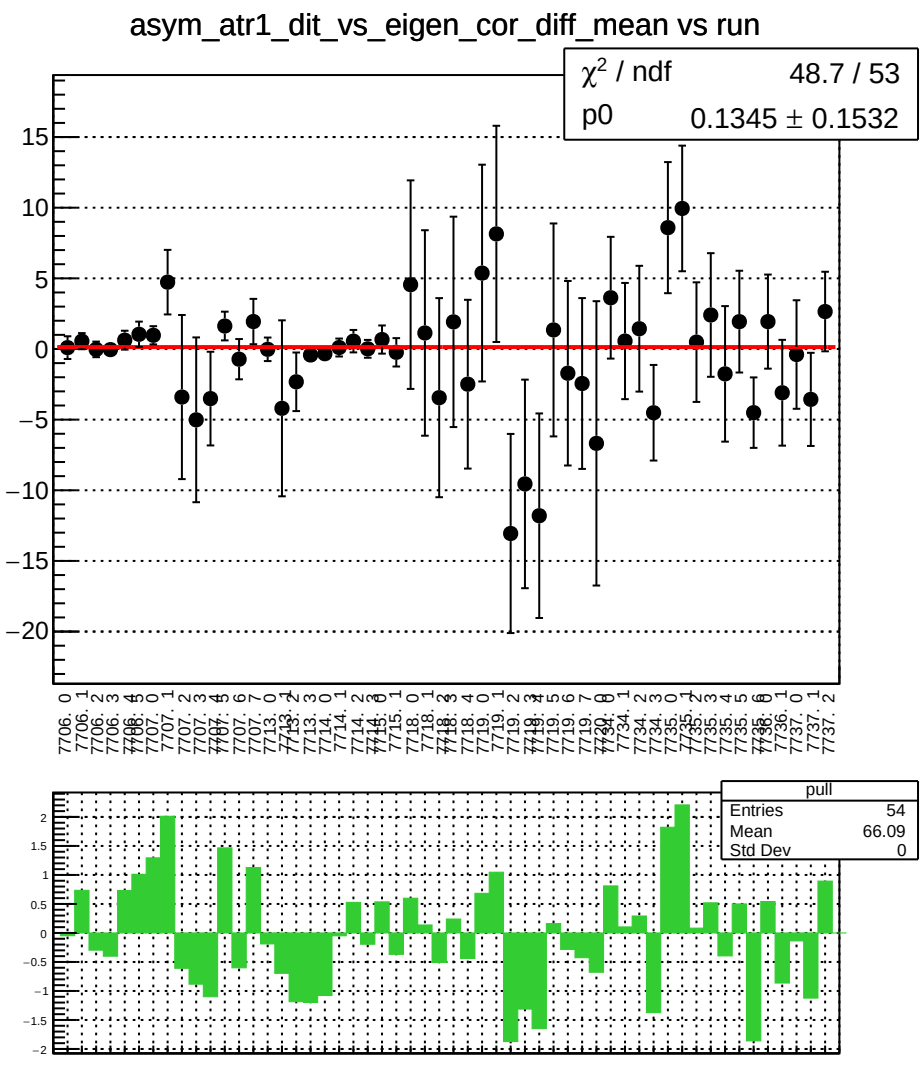

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.68 / 53
p0 2.106e−13 ± 8.685e−14
0.03
0.02
0.01
0
−0.01
pull
Entries 54
Mean 20.28
Std Dev 14.24
pull1D
Entries 54
Mean −0.2001
Std Dev 1.014

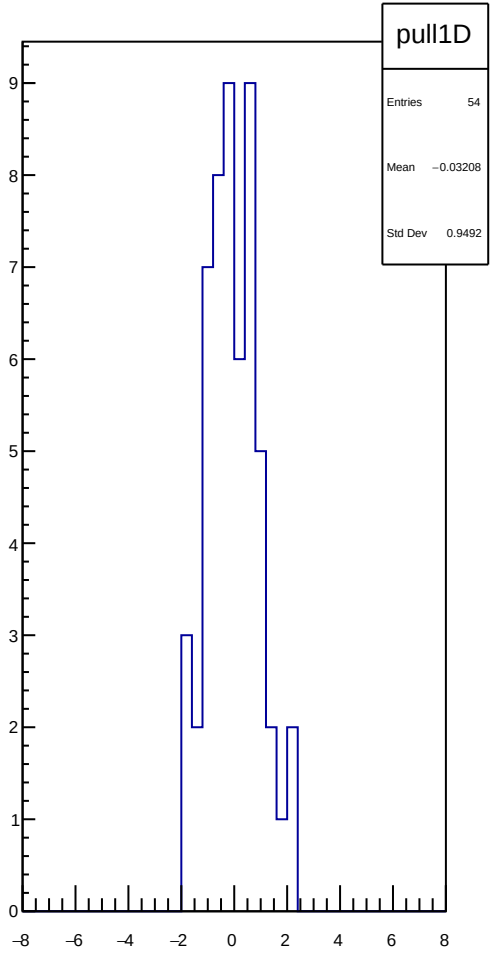

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.34e+05 / 53
p0 3.517e−11 ± 6.141e−14
1.2
1
0.8
0.6
0.4
0.2
0

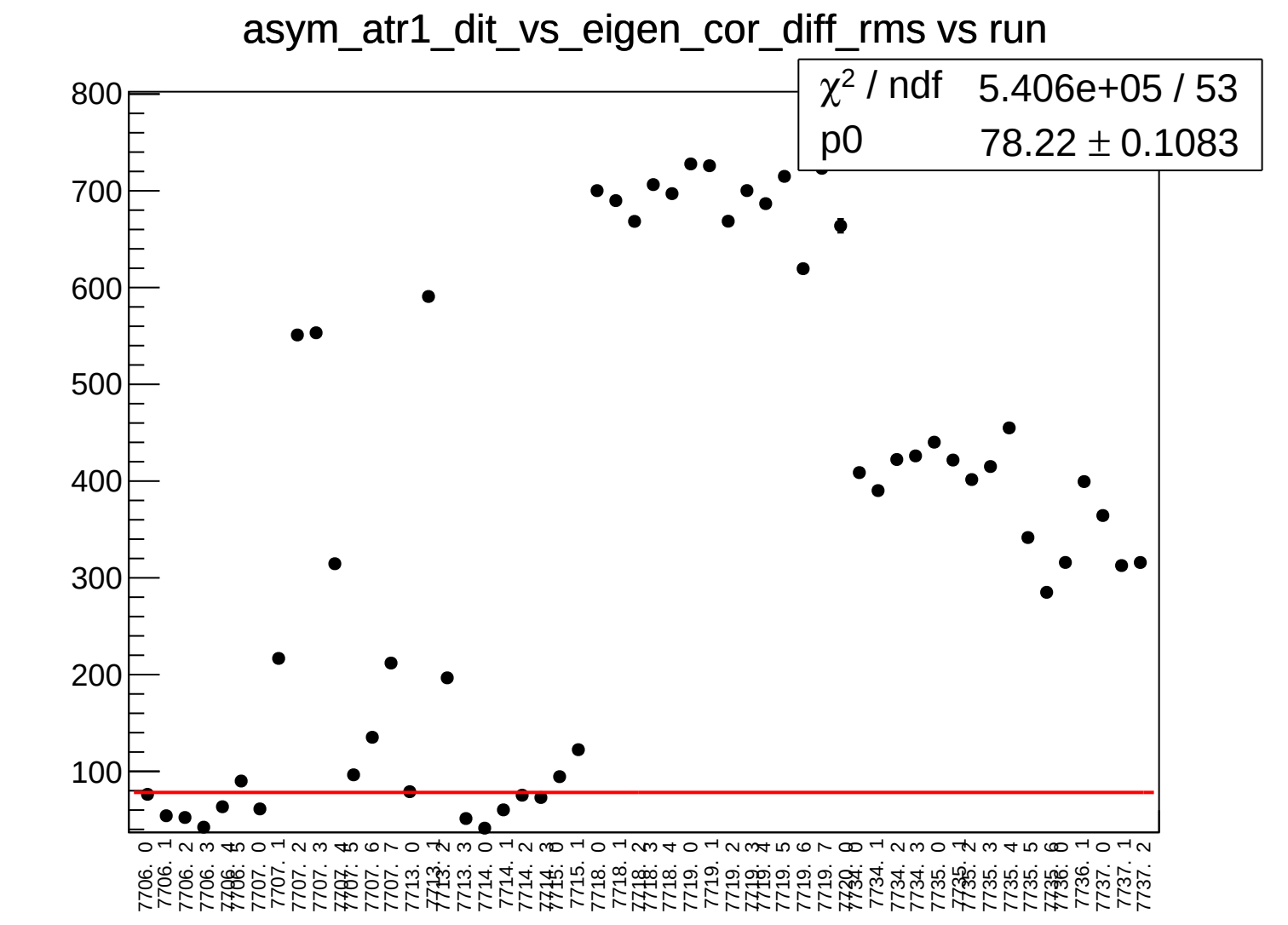

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 48.7 / 53
p0 0.1345 ± 0.1532
pull
Entries 54
Mean 66.09
Std Dev 0

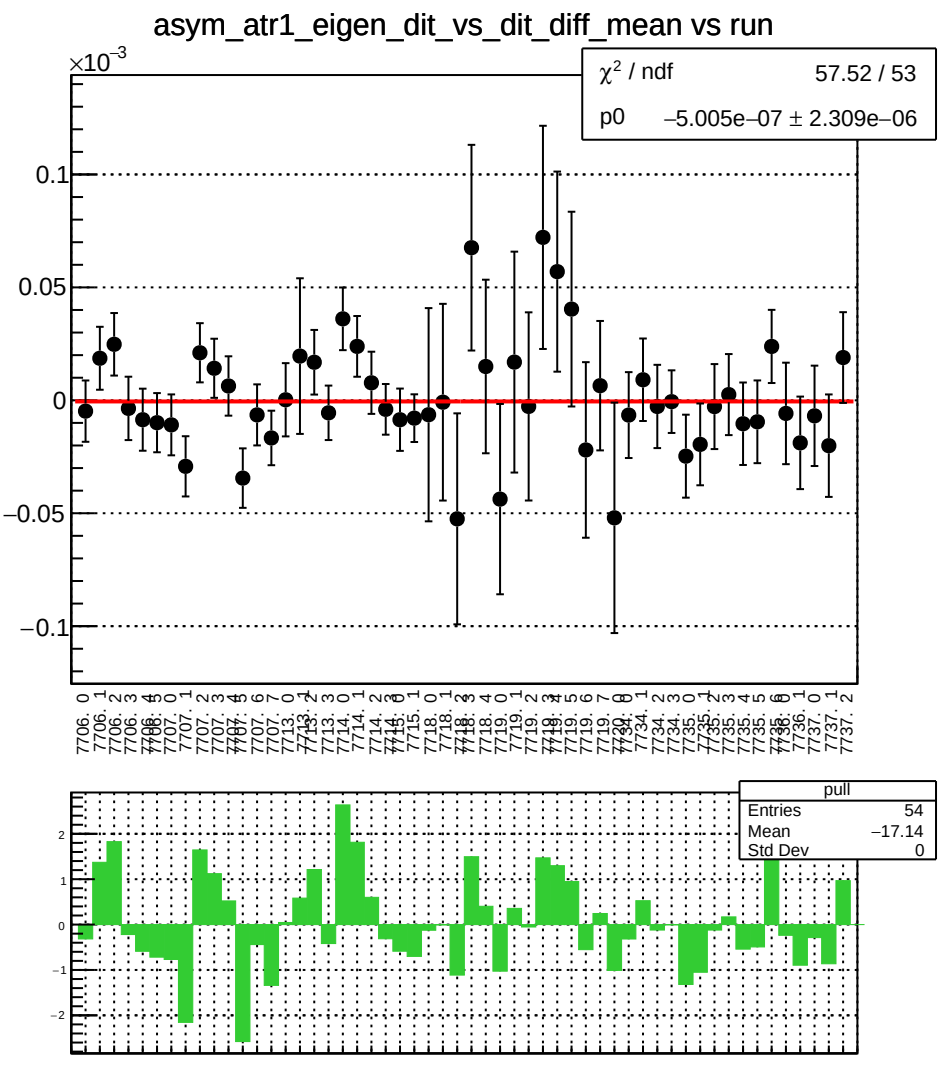

pull1D
Entries 54
Mean −0.03208
Std Dev 0.9492

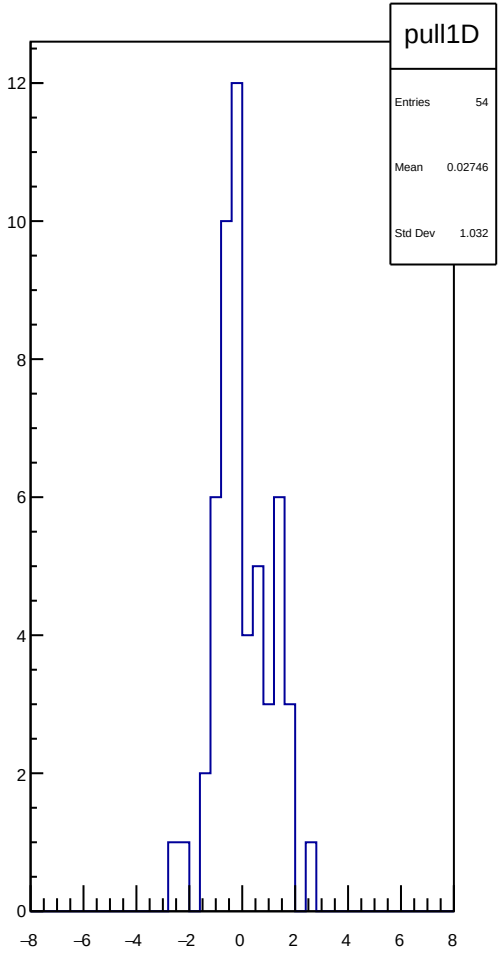

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 5.406e+05 / 53
p0 78.22 ± 0.1083
800
700
600
500
400
300
200
100

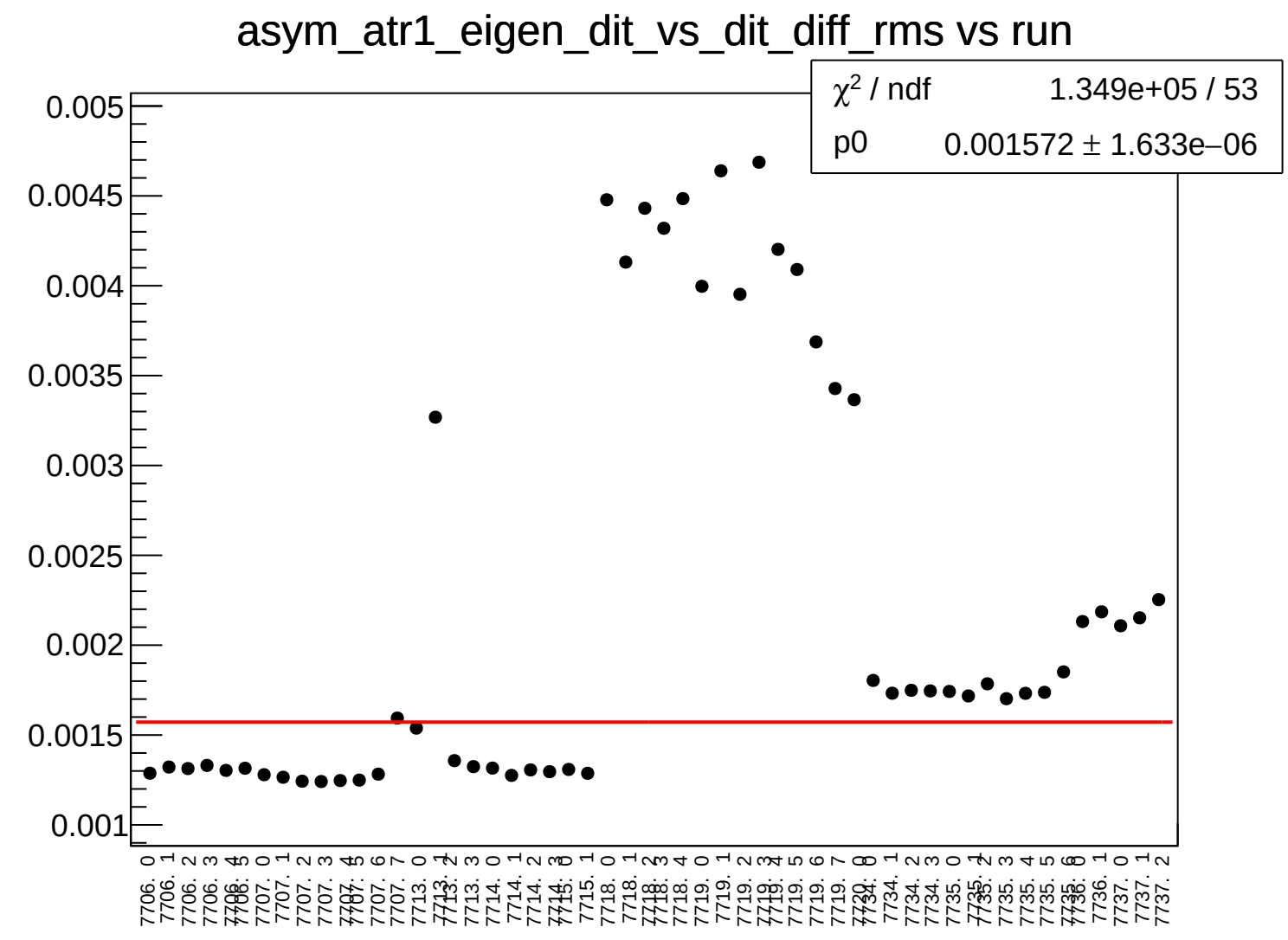

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.7 / 53
p0 0.1345 ± 0.1532
pull
Entries 54
Mean 66.09
Std Dev 0

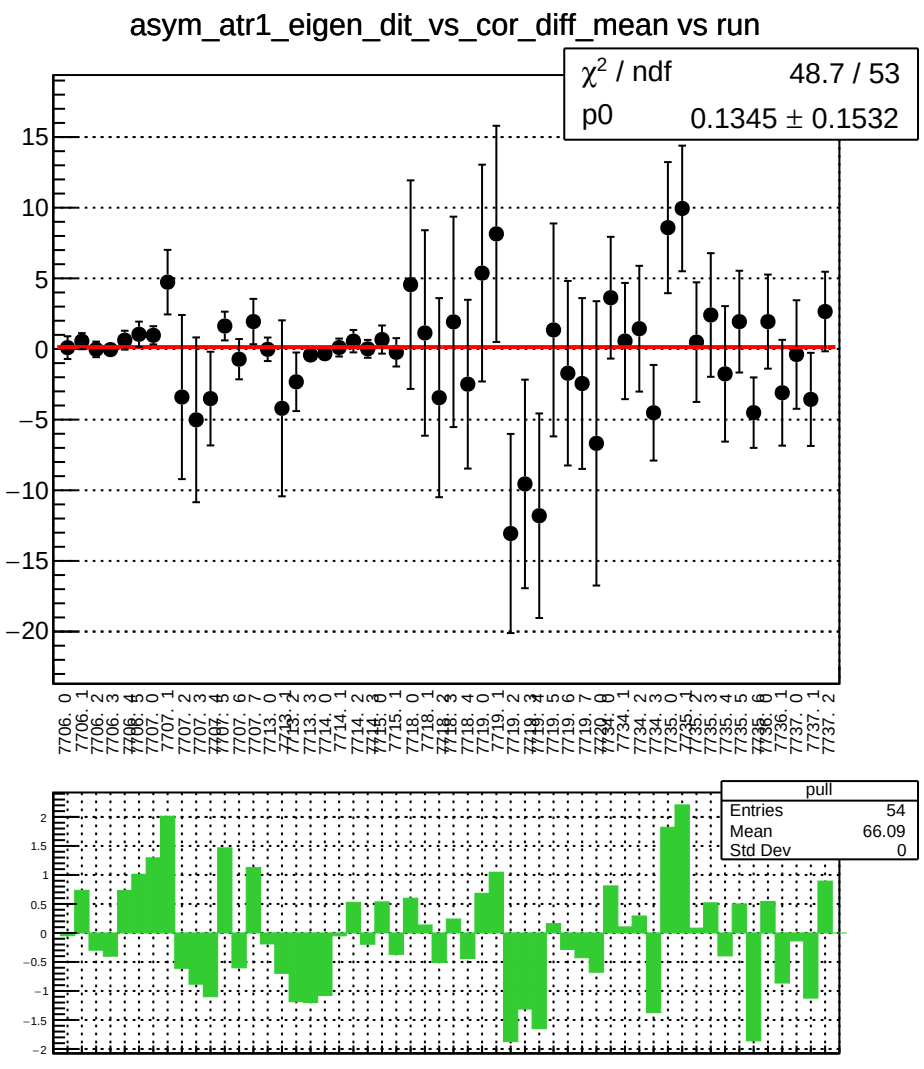

pull1D
Entries 54
Mean −0.03208
Std Dev 0.9492

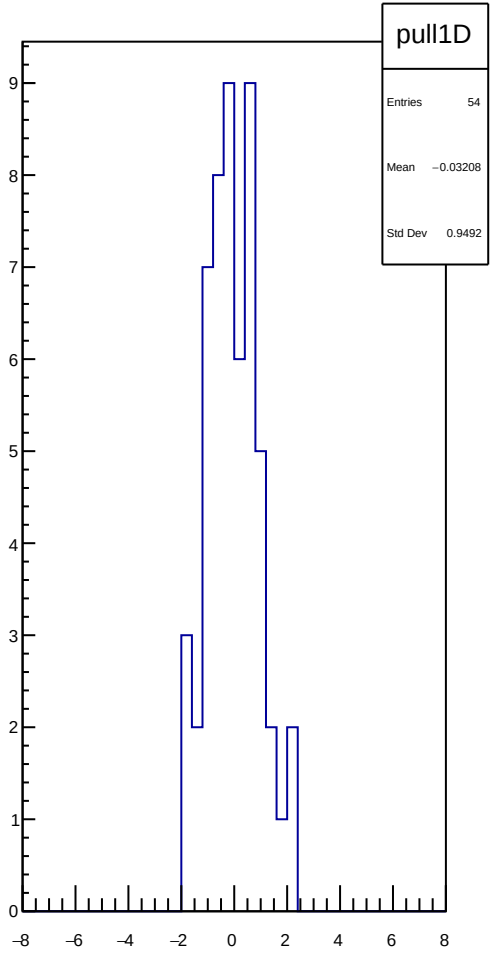

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.406e+05 / 53
p0 78.22 ± 0.1083
800
700
600
500
400
300
200
100

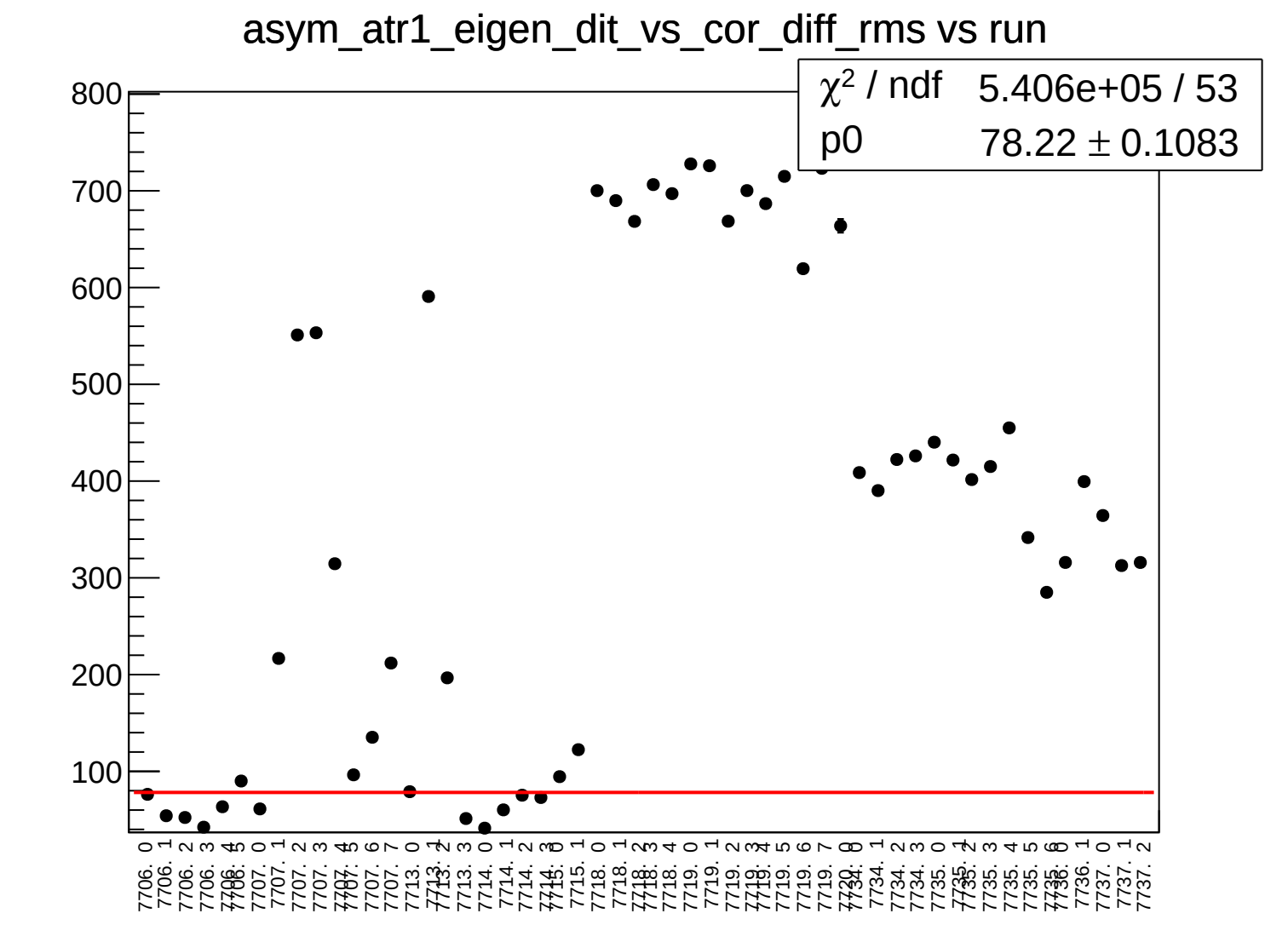

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.52 / 53
p0 −5.005e−07 ± 2.309e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −17.14
Std Dev 0
2
1
0
−1
−2

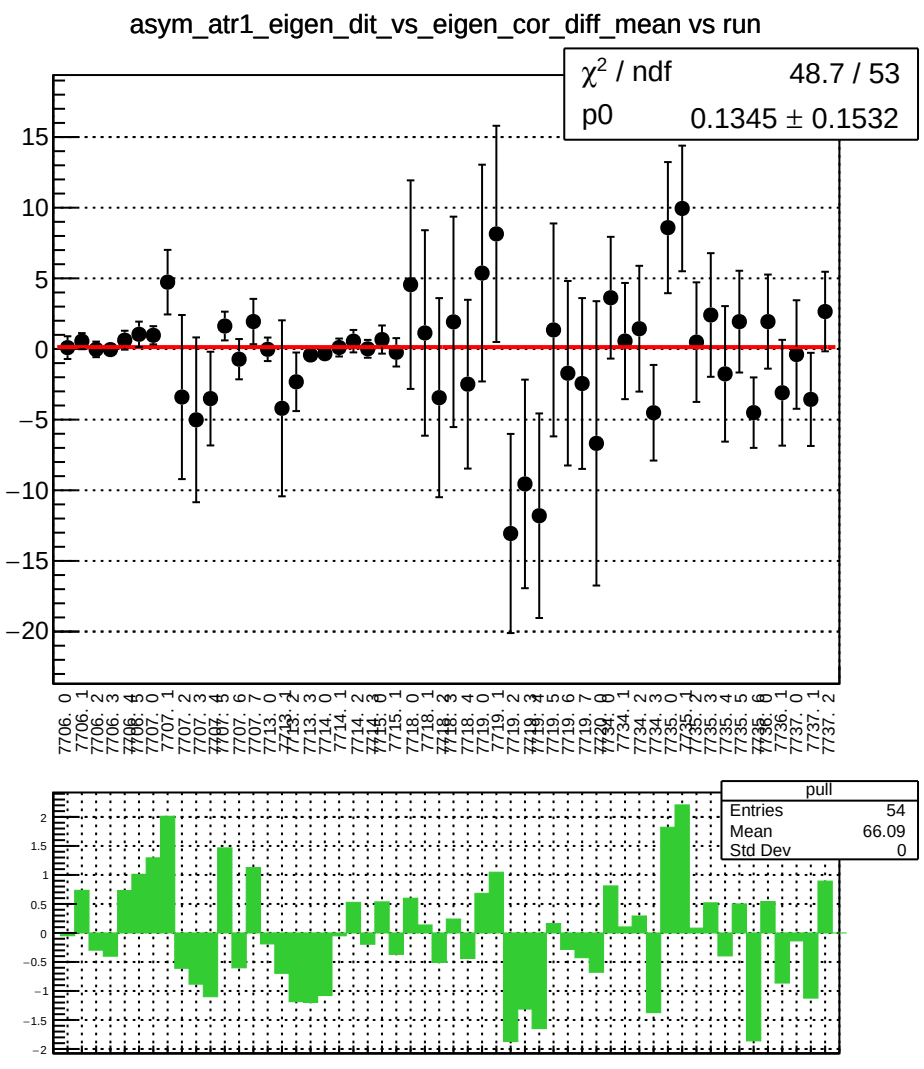

pull1D
Entries 54
Mean 0.02746
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

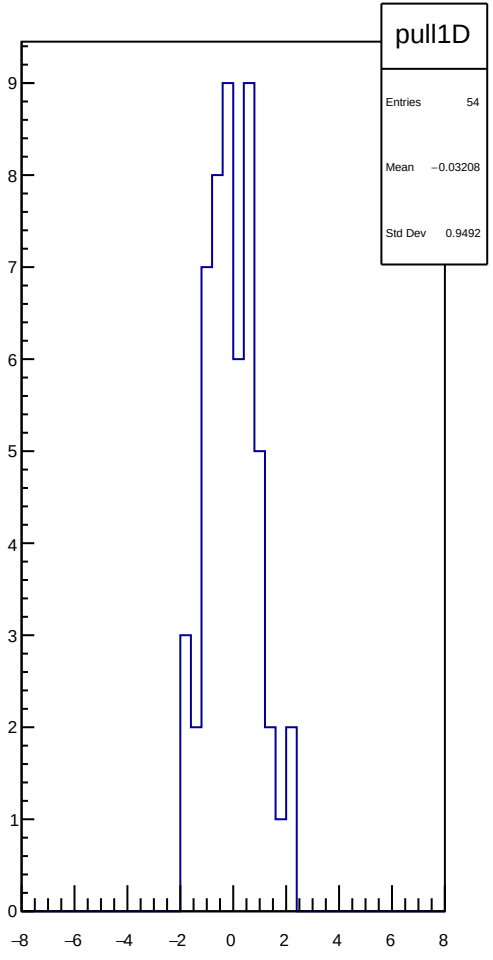

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.349e+05 / 53
p0 0.001572 ± 1.633e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

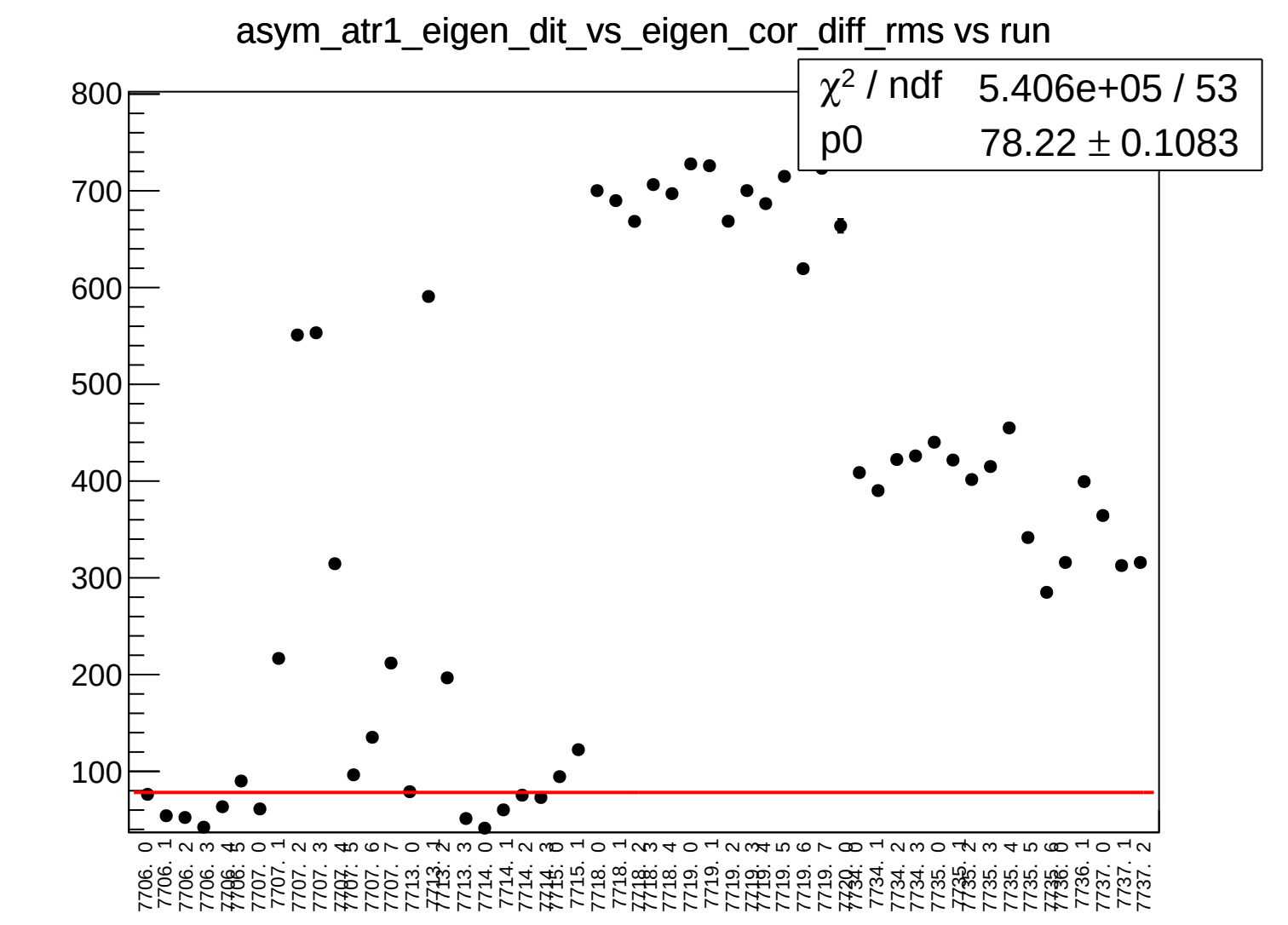

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.7 / 53
p0 0.1345 ± 0.1532
pull
Entries 54
Mean 66.09
Std Dev 0

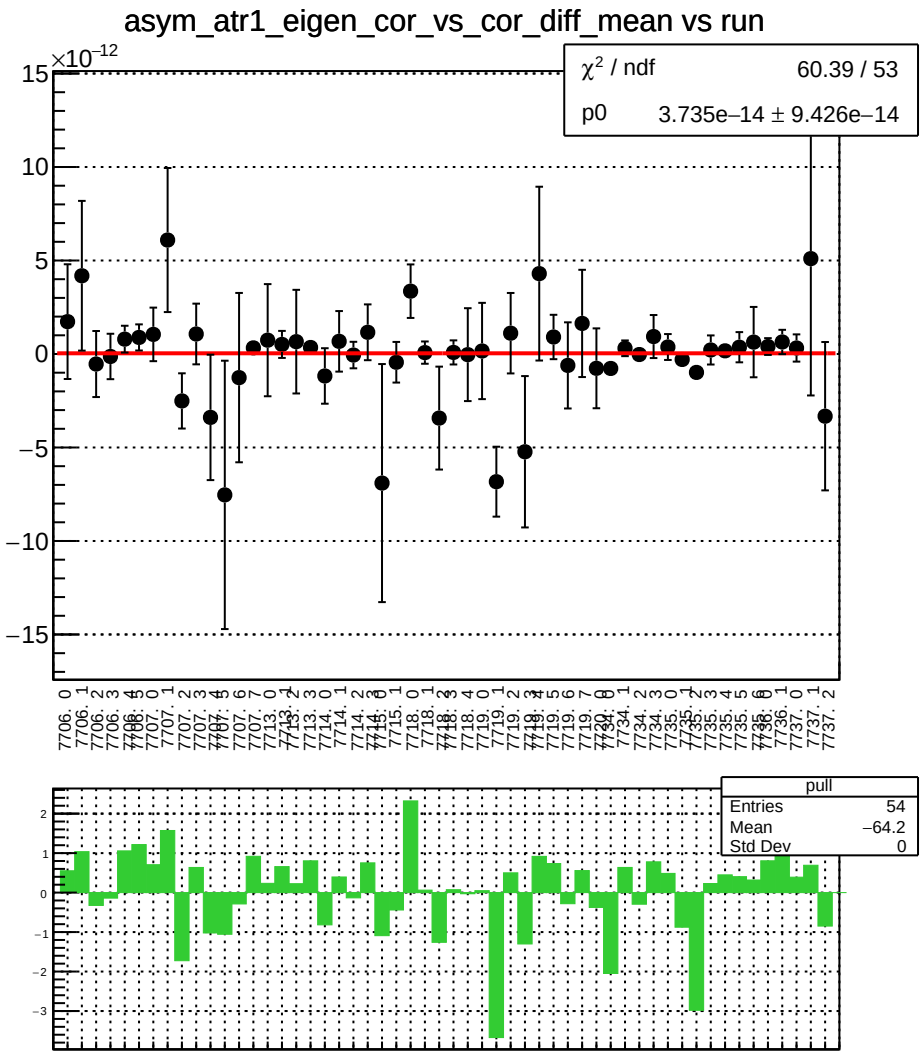

pull1D
Entries 54
Mean −0.03208
Std Dev 0.9492

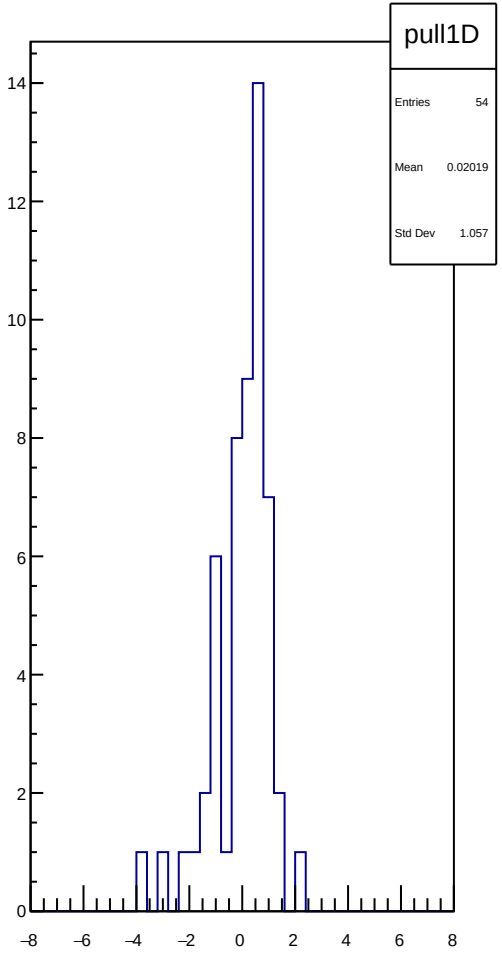

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.406e+05 / 53
p0 78.22 ± 0.1083
800
700
600
500
400
300
200
100

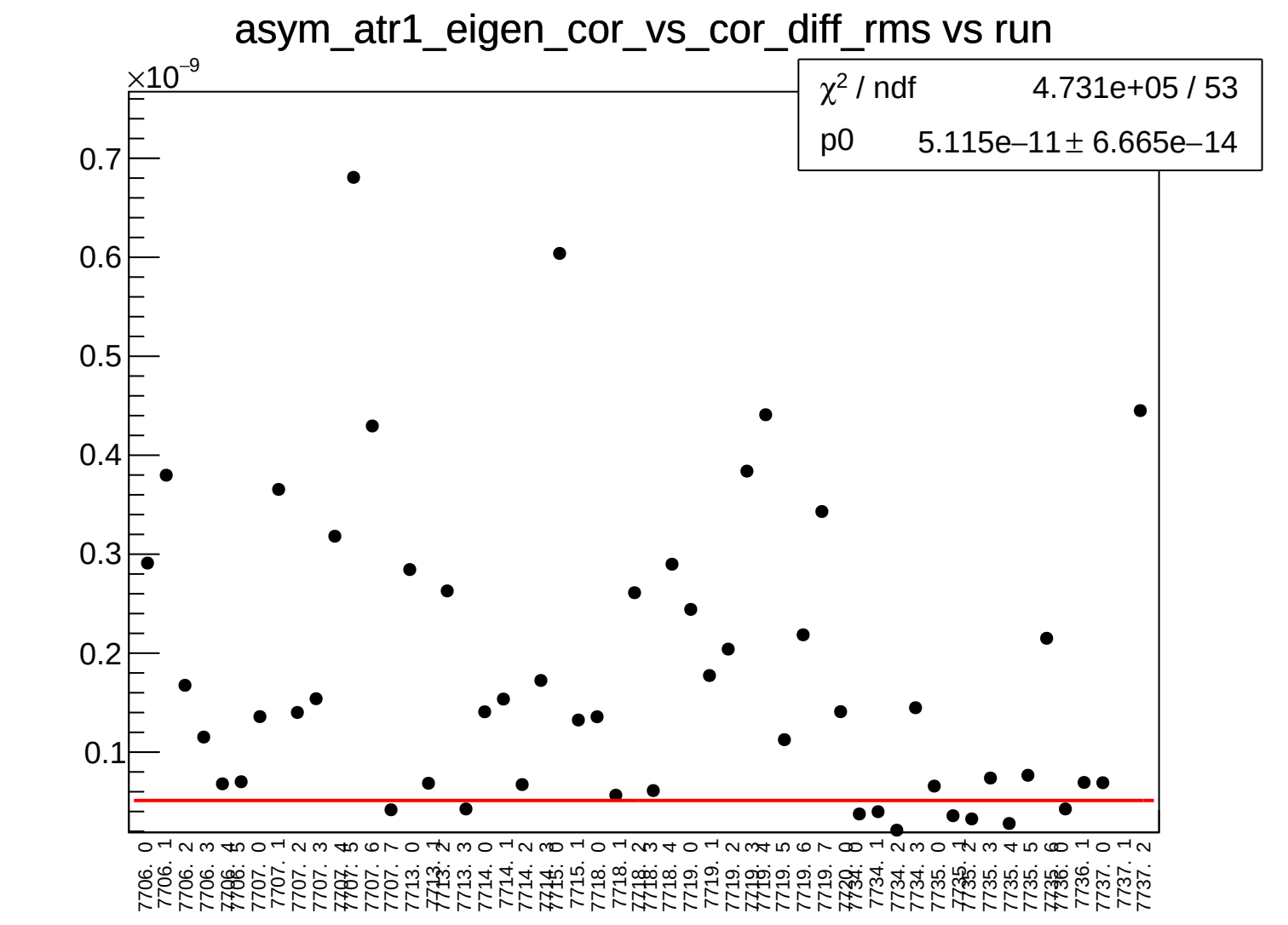

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.7 / 53
p0 0.1345 ± 0.1532
pull
Entries 54
Mean 66.09
Std Dev 0

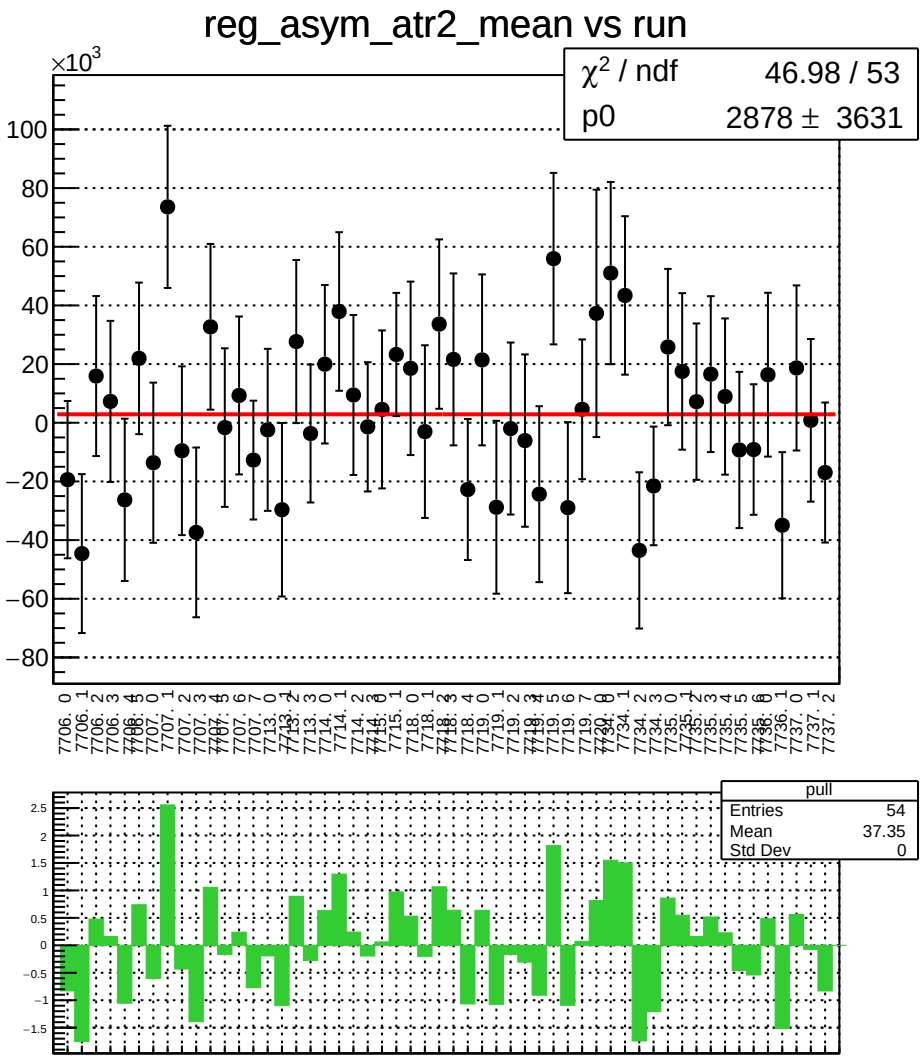

pull1D
Entries 54
Mean −0.03208
Std Dev 0.9492

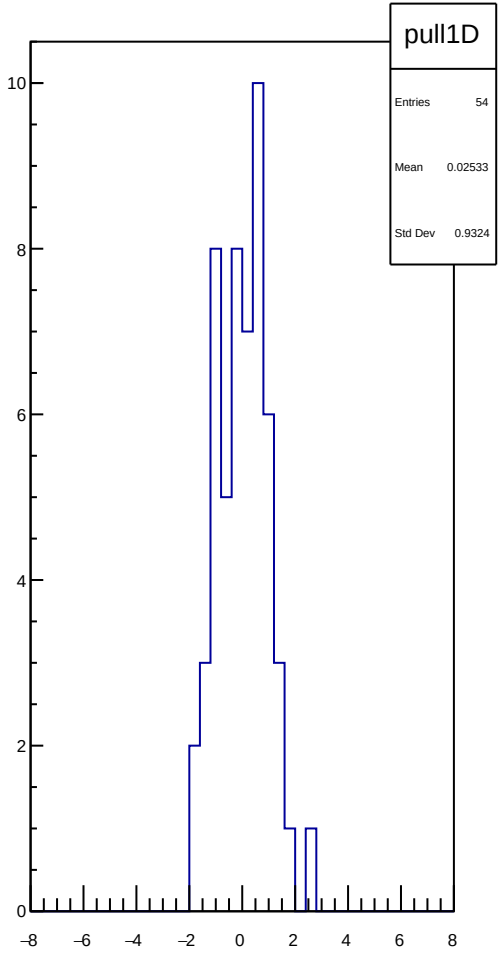

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.406e+05 / 53
p0 78.22 ± 0.1083
800
700
600
500
400
300
200
100

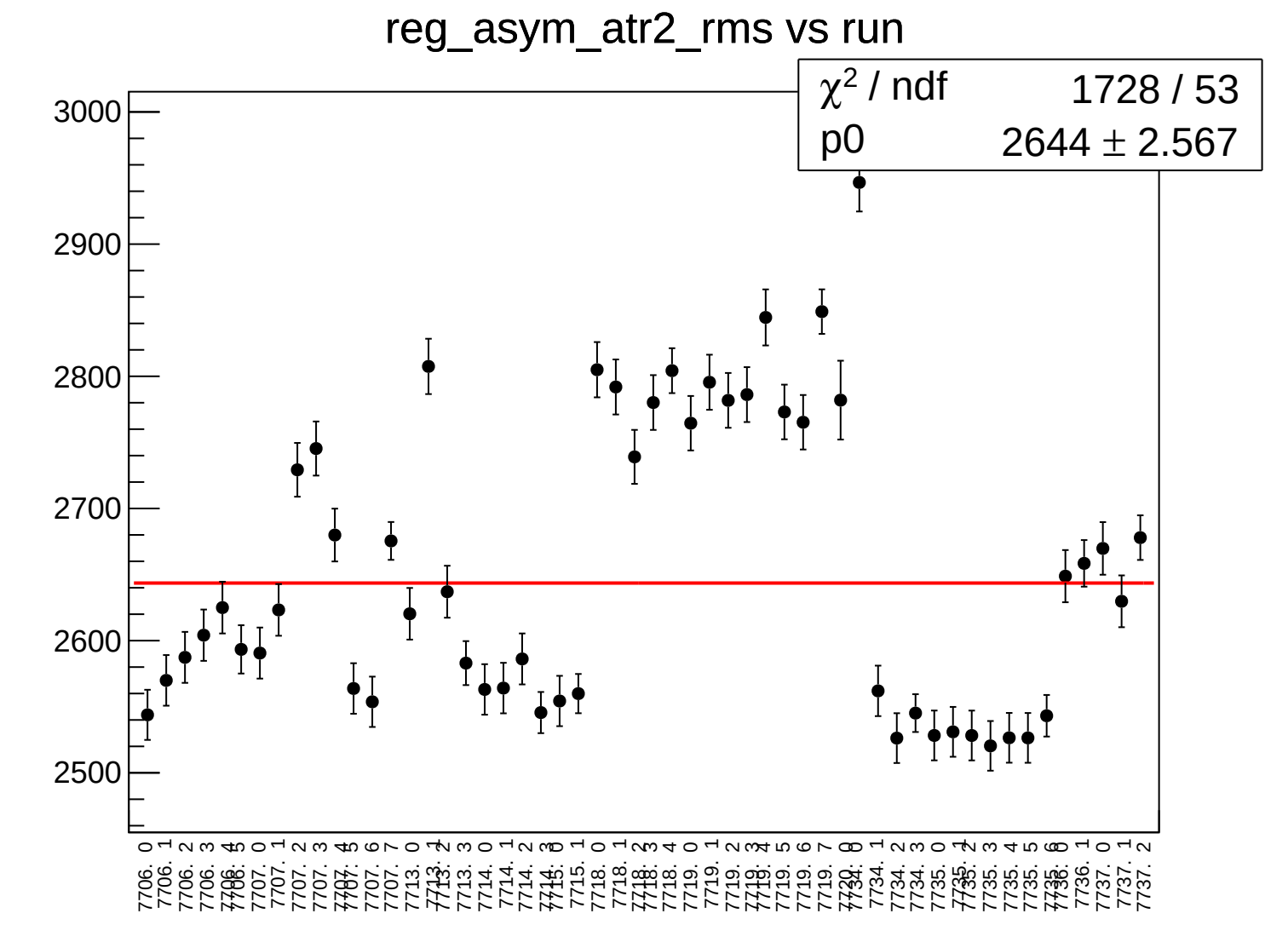

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.39 / 53
p0 3.735e−14 ± 9.426e−14
pull
Entries 54
Mean −64.2
Std Dev 0

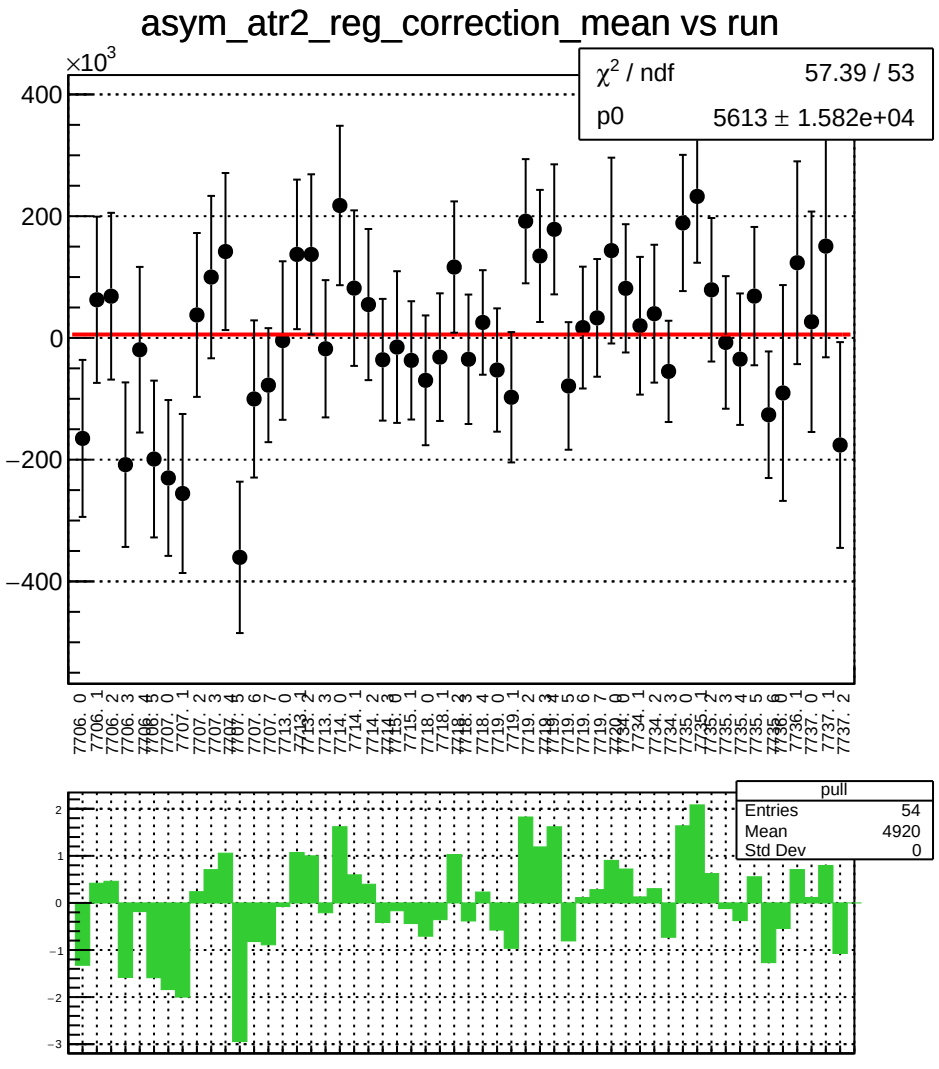

pull1D
Entries 54
Mean 0.02019
Std Dev 1.057

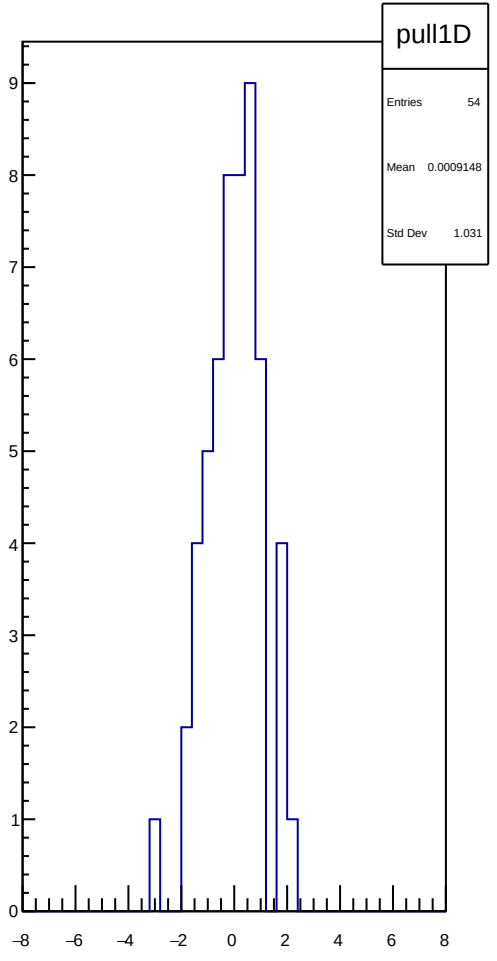

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.731e+05 / 53
p0 5.115e−11 ± 6.665e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 3
7714. 0
7714. 1
7714. 2
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 2
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

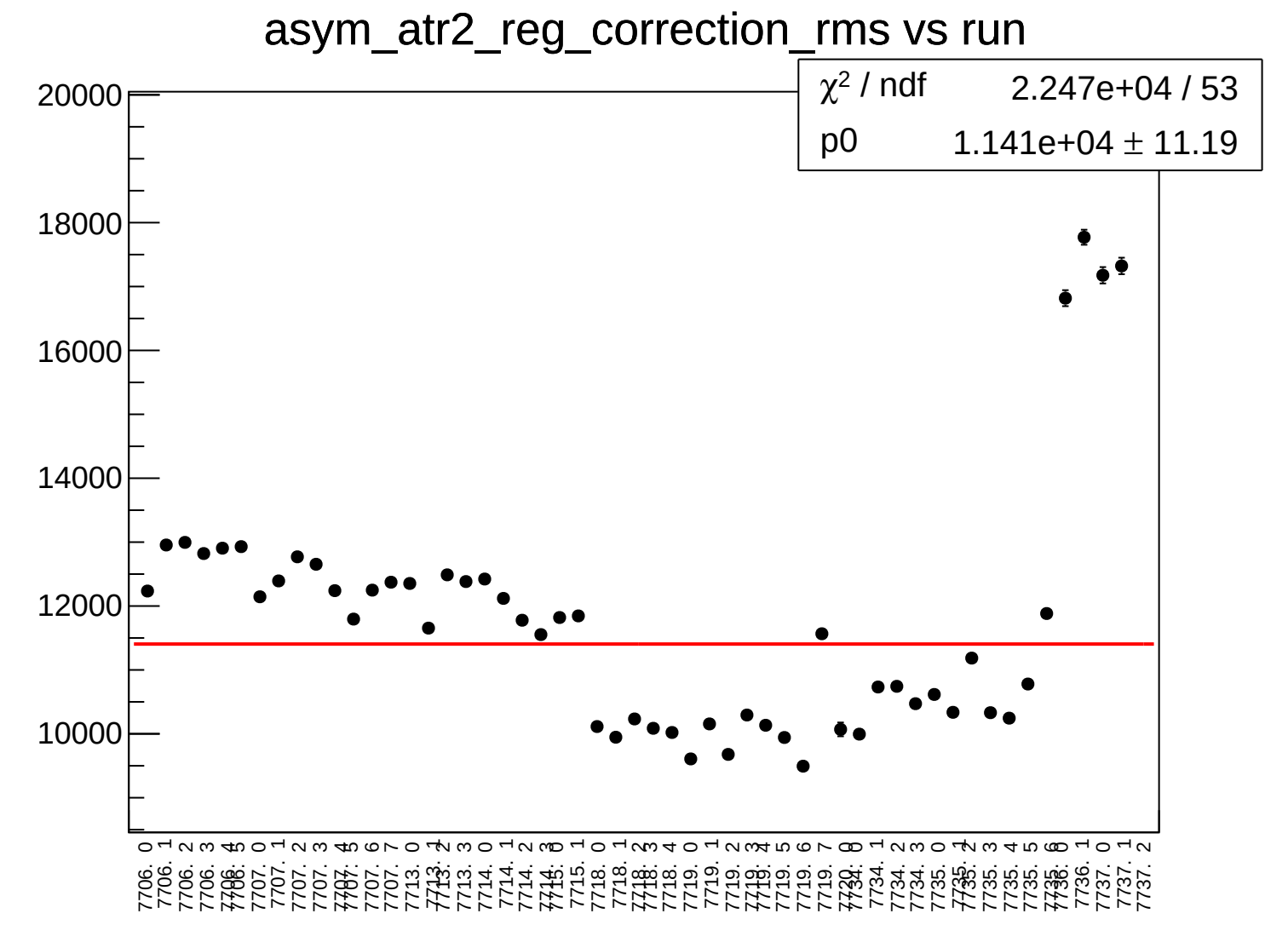

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 46.98 / 53
p0 2878 ± 3631
pull
Entries 54
Mean 37.35
Std Dev 0

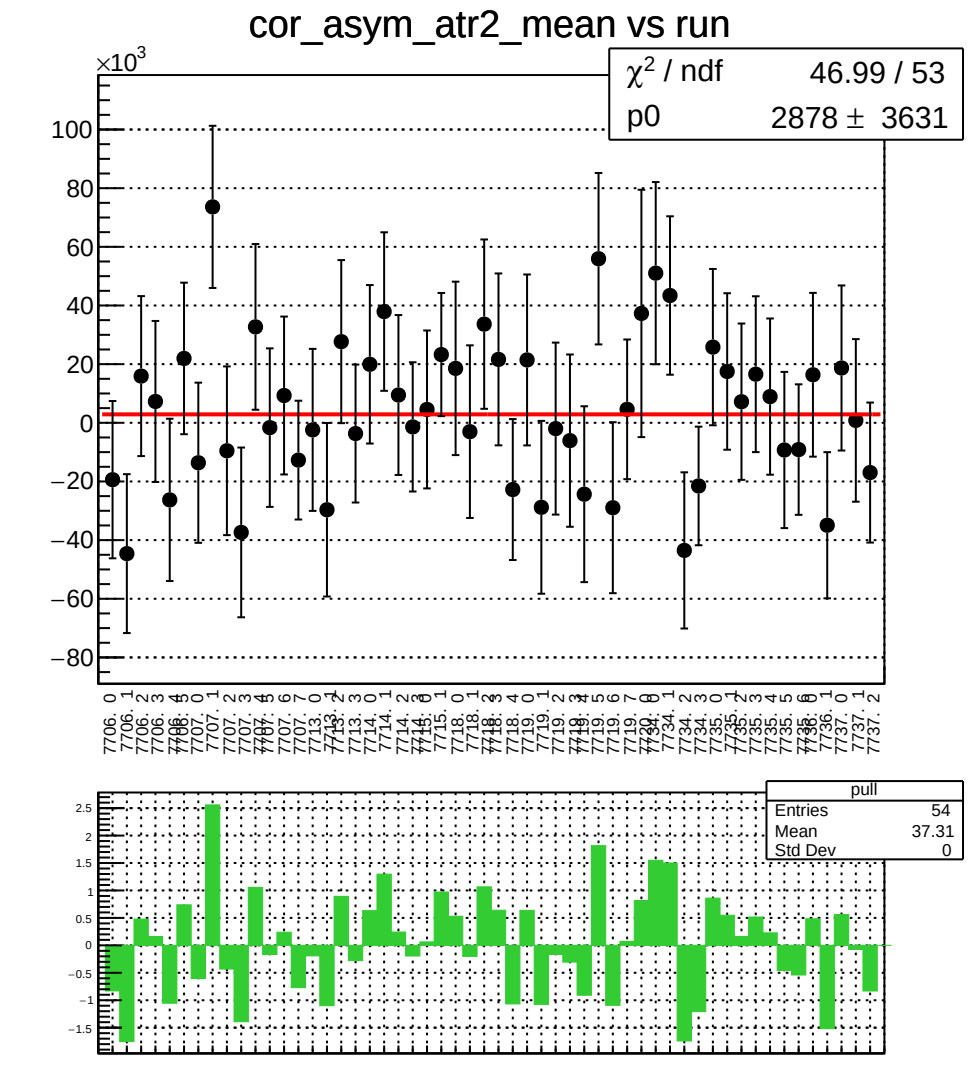

pull1D
Entries 54
Mean 0.02533
Std Dev 0.9324

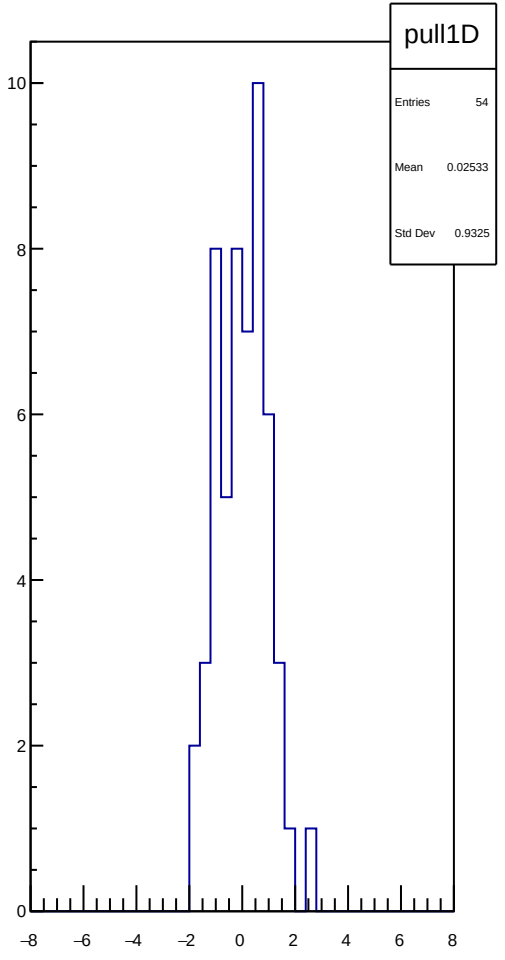

reg_asym_atr2_rms vs run
χ² / ndf 1728 / 53
p0 2644 ± 2.567
3000
2900
2800
2700
2600
2500

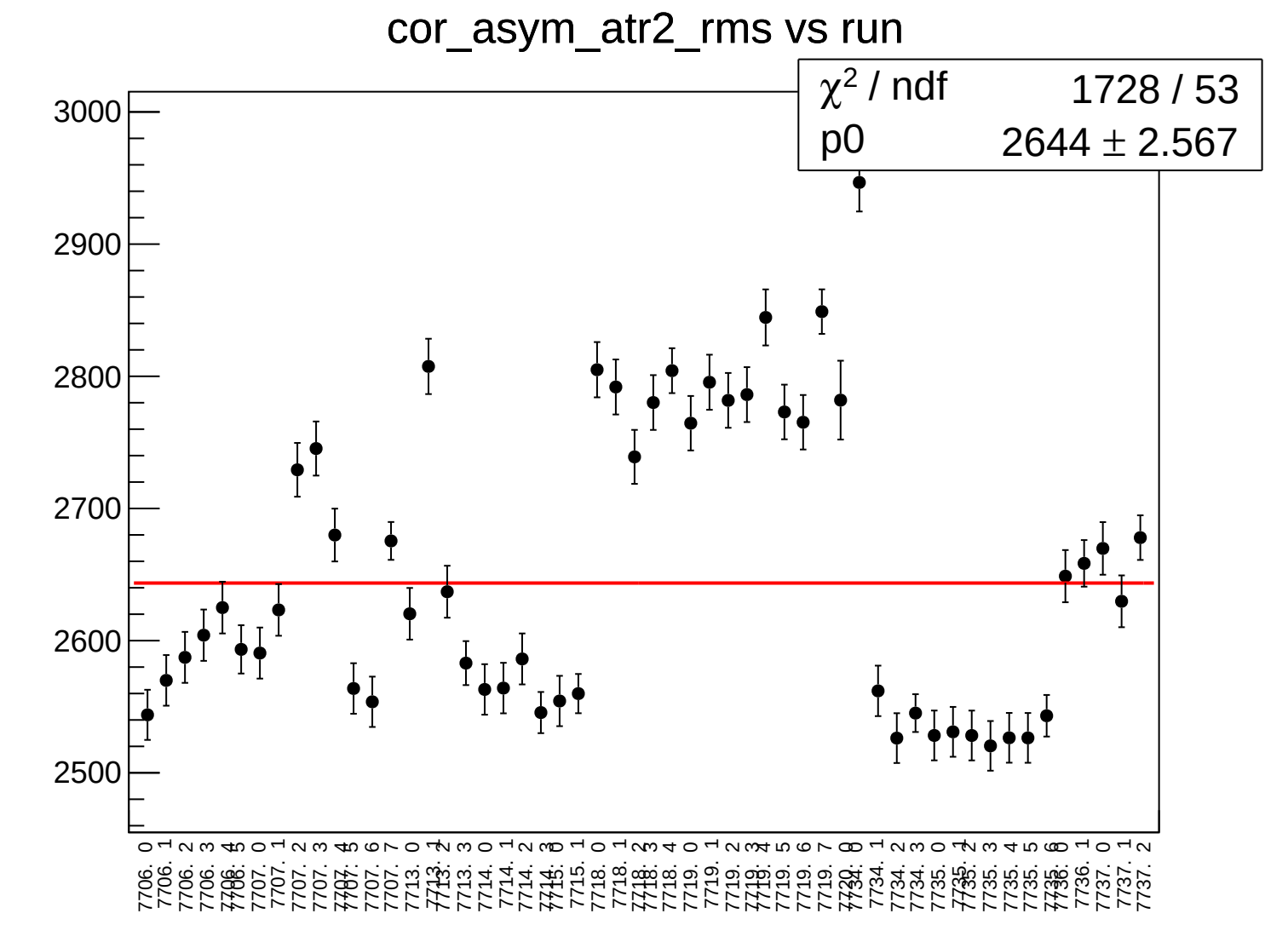

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 57.39 / 53
p0 5613 ± 1.582e+04
400
200
0
−200
−400
pull
Entries 54
Mean 4920
Std Dev 0
2
1
0
−1
−2
−3

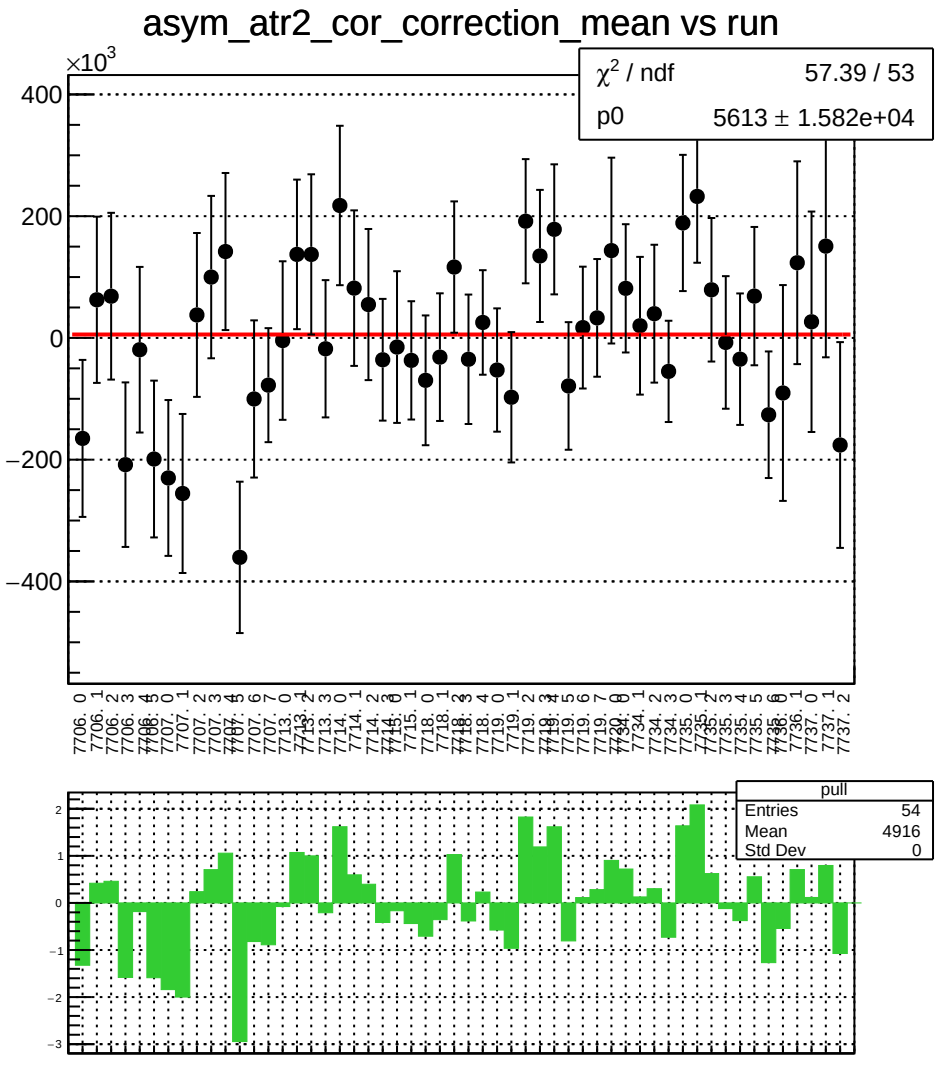

pull1D
Entries 54
Mean 0.0009148
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

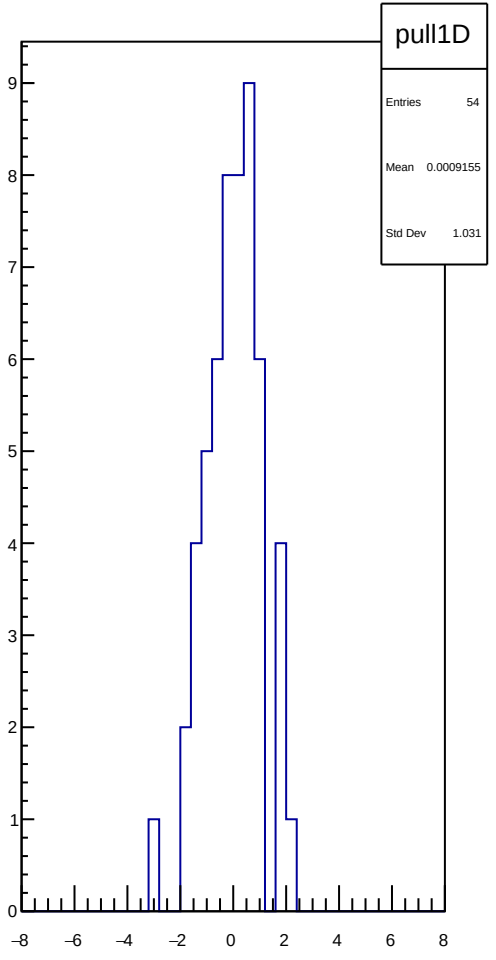

asym_atr2_reg_correction_rms vs run
χ² / ndf 2.247e+04 / 53
p0 1.141e+04 ± 11.19
20000
18000
16000
14000
12000
10000

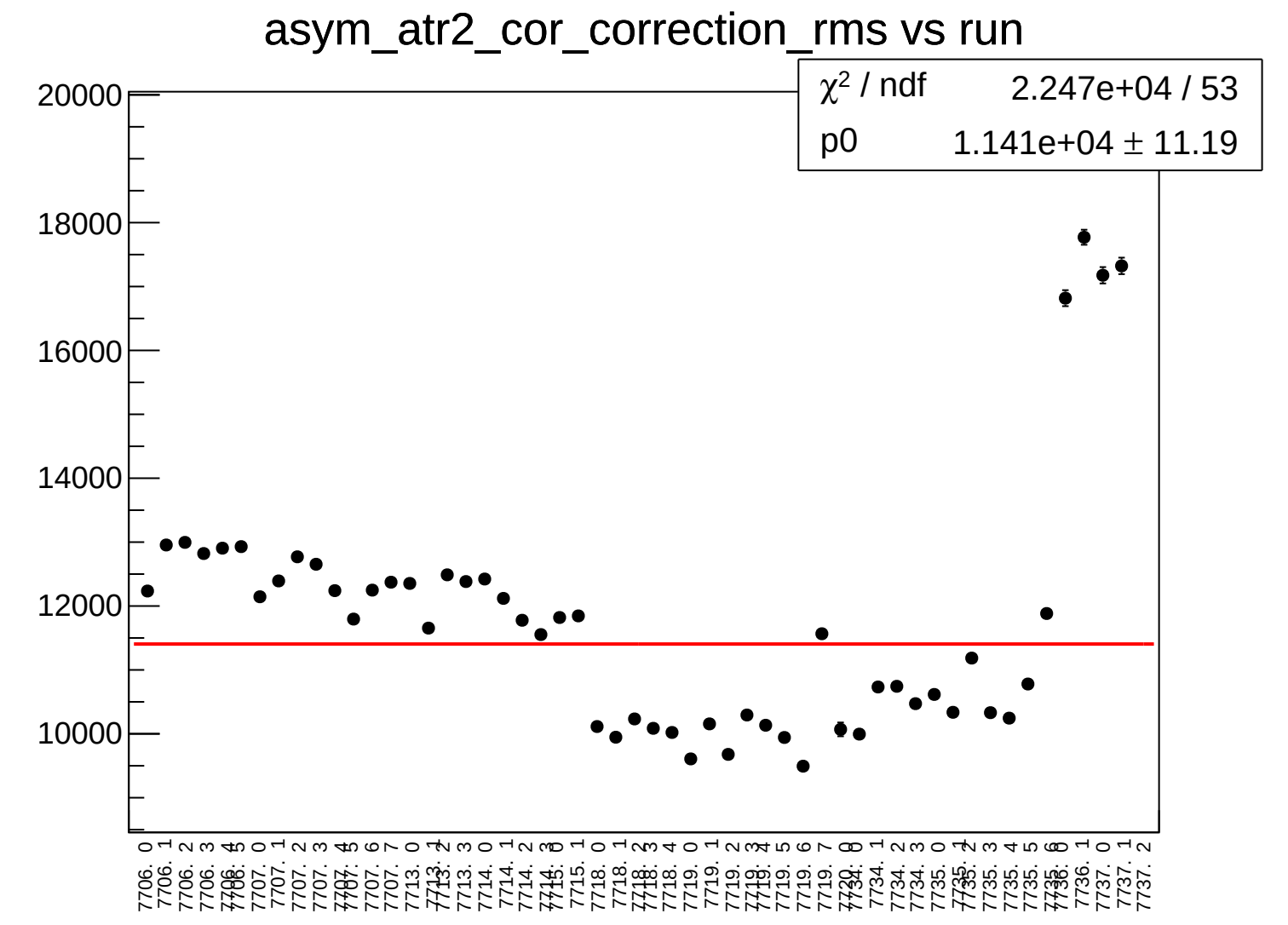

cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 46.99 / 53
p0 2878 ± 3631
pull
Entries 54
Mean 37.31
Std Dev 0

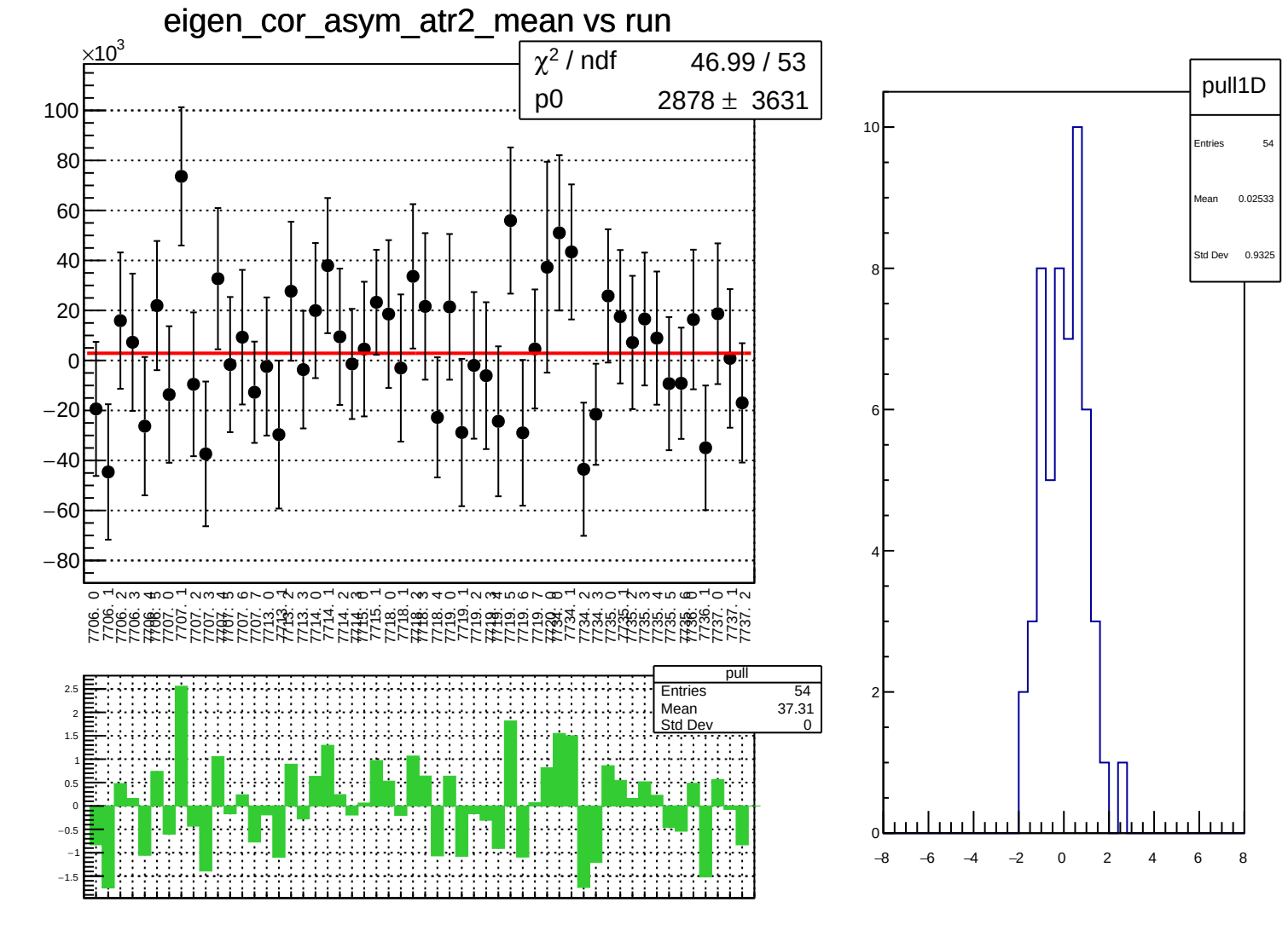

pull1D
Entries 54
Mean 0.02533
Std Dev 0.9325

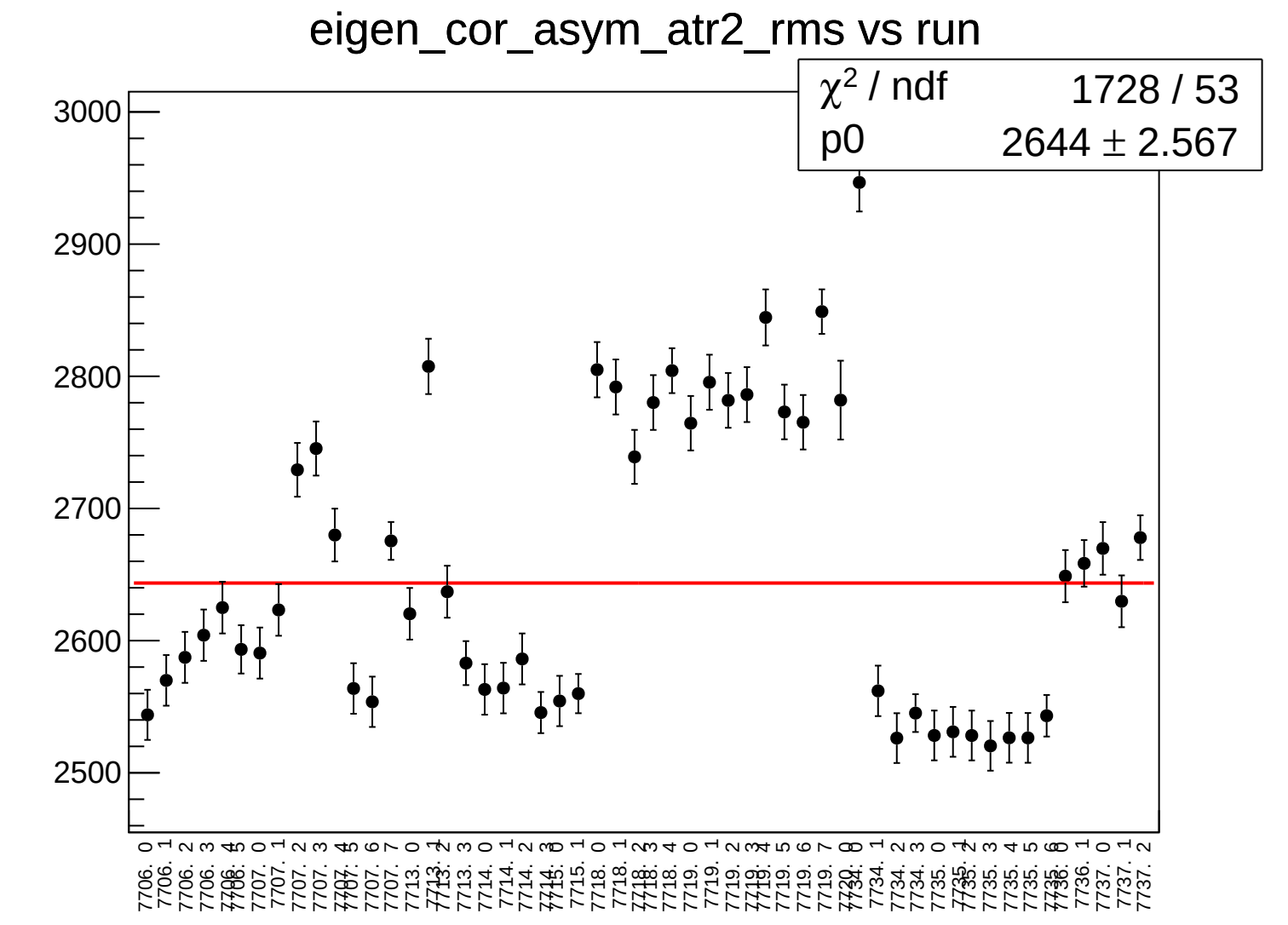

cor_asym_atr2_rms vs run
χ^2 / ndf 1728 / 53
p0 2644 ± 2.567
3000
2900
2800
2700
2600
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

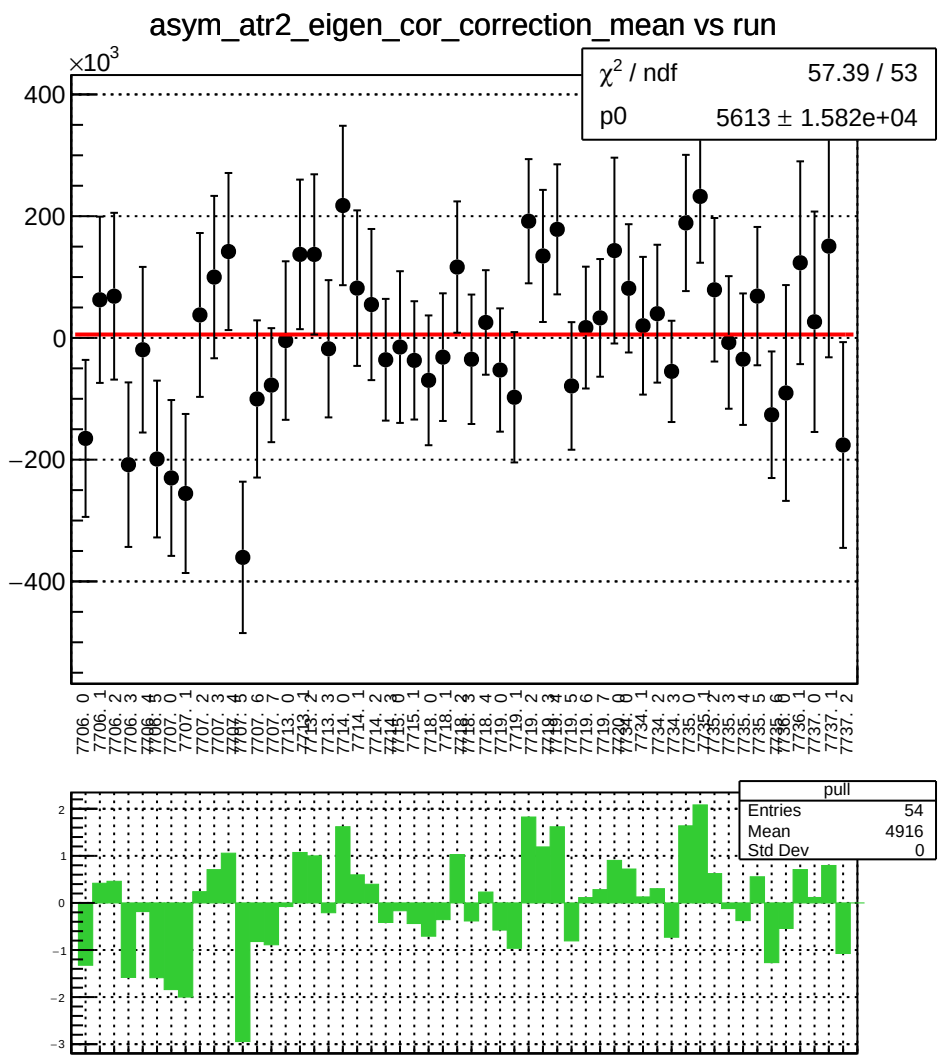

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 57.39 / 53
p0 5613 ± 1.582e+04
pull
Entries 54
Mean 4916
Std Dev 0

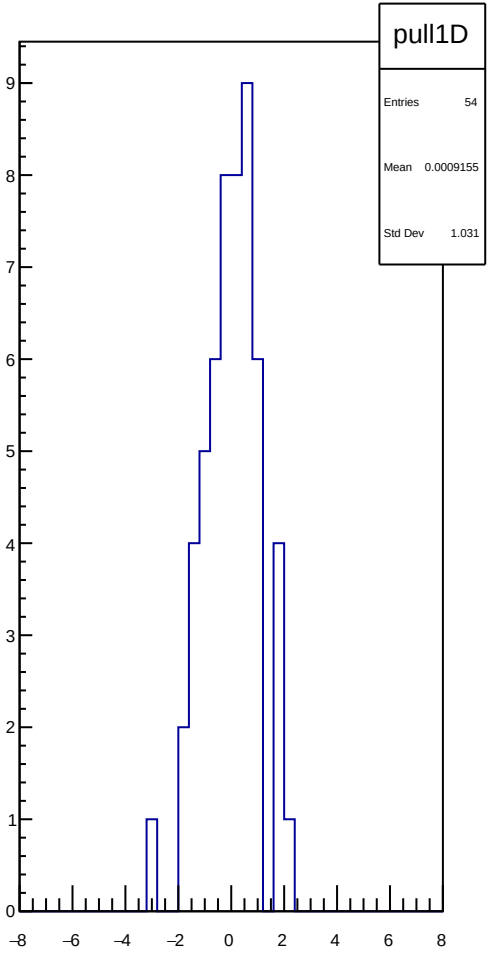

pull1D
Entries 54
Mean 0.0009155
Std Dev 1.031

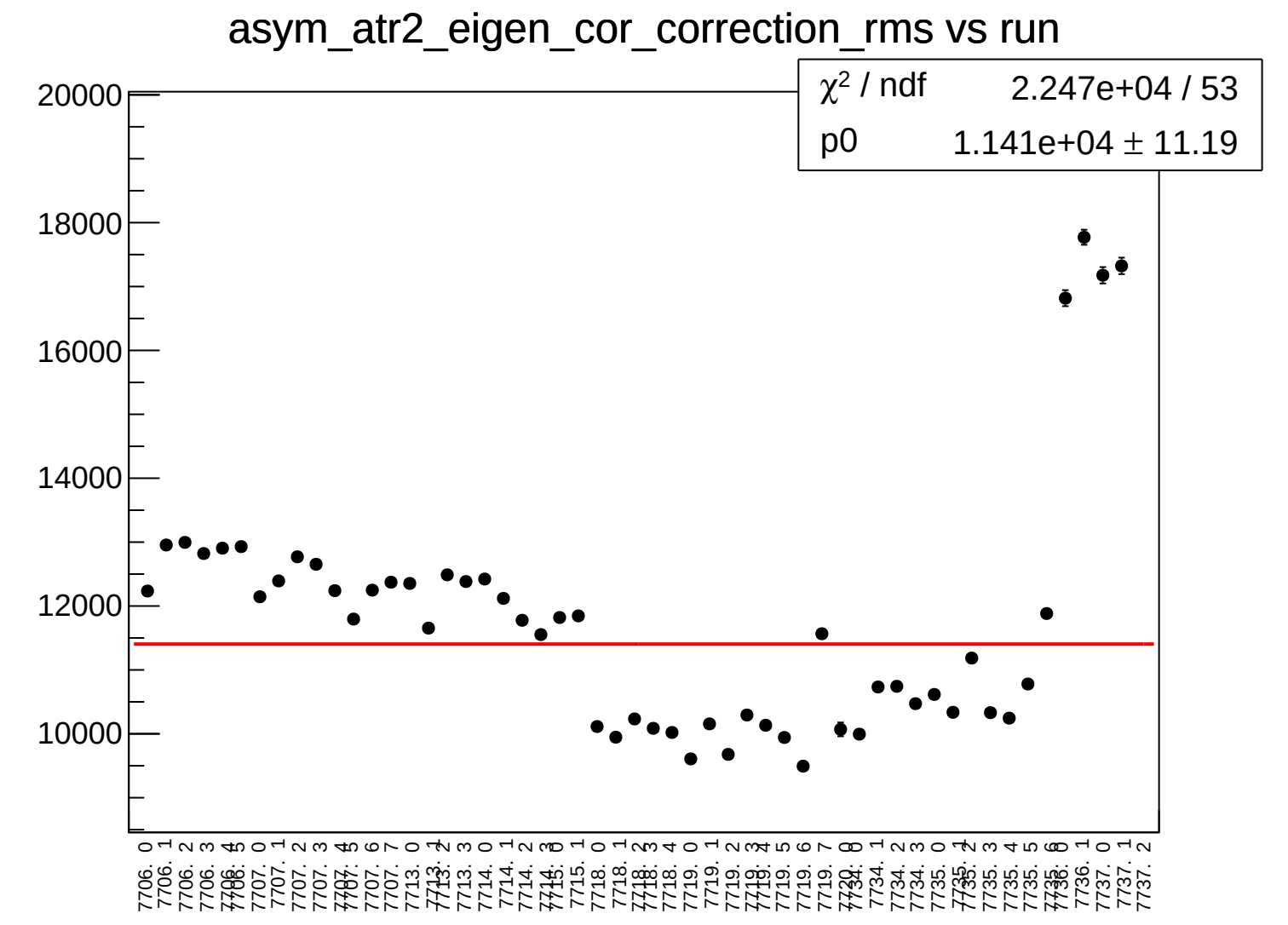

asym_atr2_cor_correction_rms vs run
χ² / ndf 2.247e+04 / 53
p0 1.141e+04 ± 11.19
20000
18000
16000
14000
12000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

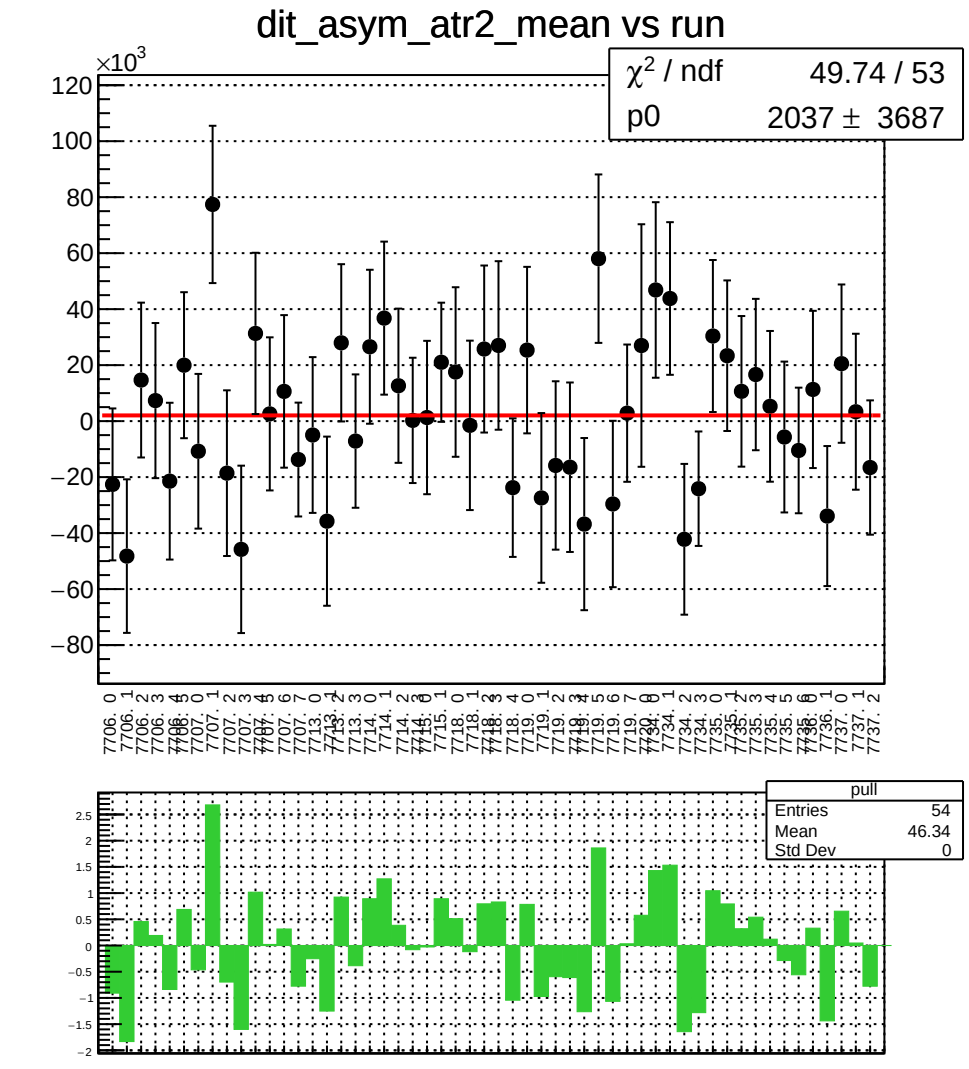

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 46.99 / 53
p0 2878 ± 3631
pull
Entries 54
Mean 37.31
Std Dev 0
pull1D
Entries 54
Mean 0.02533
Std Dev 0.9325

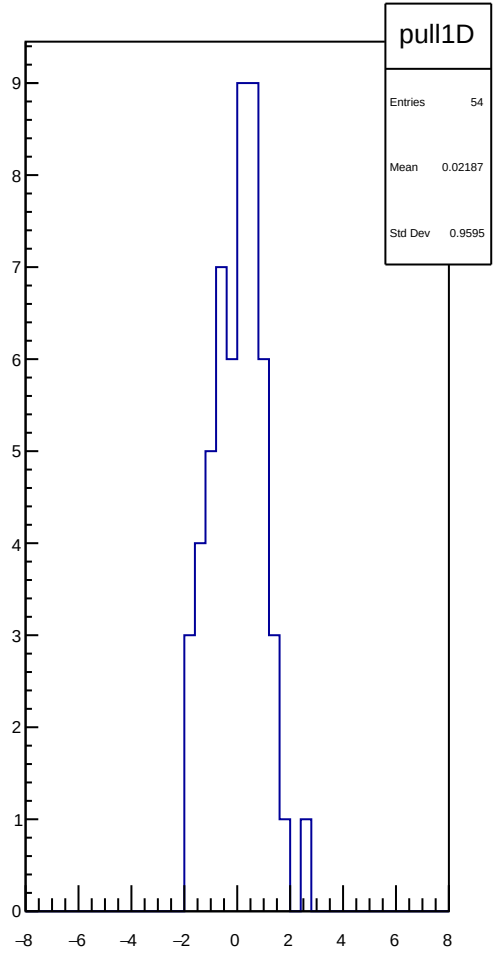

eigen_cor_asym_atr2_rms vs run
χ² / ndf 1728 / 53
p0 2644 ± 2.567
3000
2900
2800
2700
2600
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

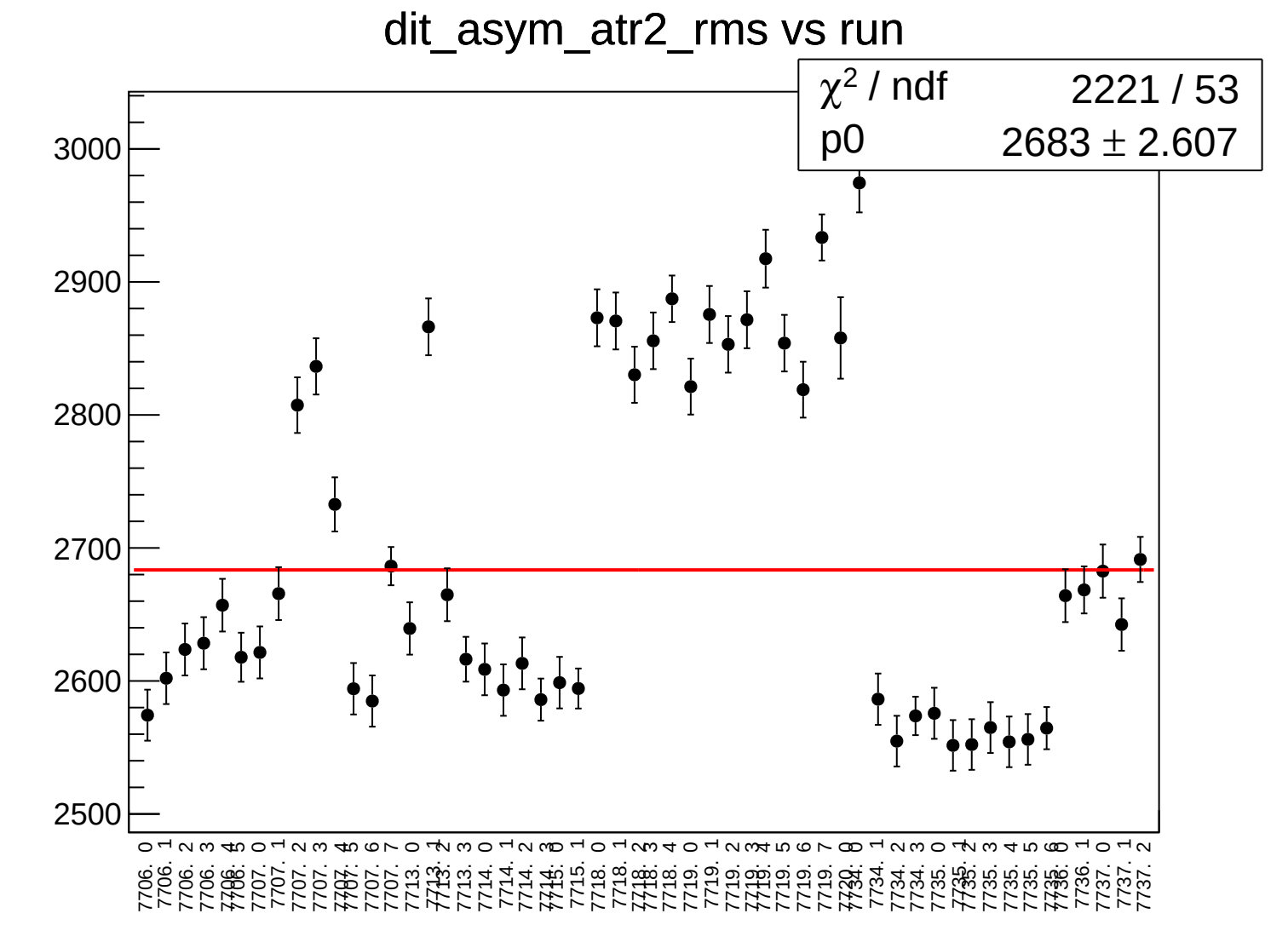

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.39 / 53
p0 5613 ± 1.582e+04
pull
Entries 54
Mean 4916
Std Dev 0

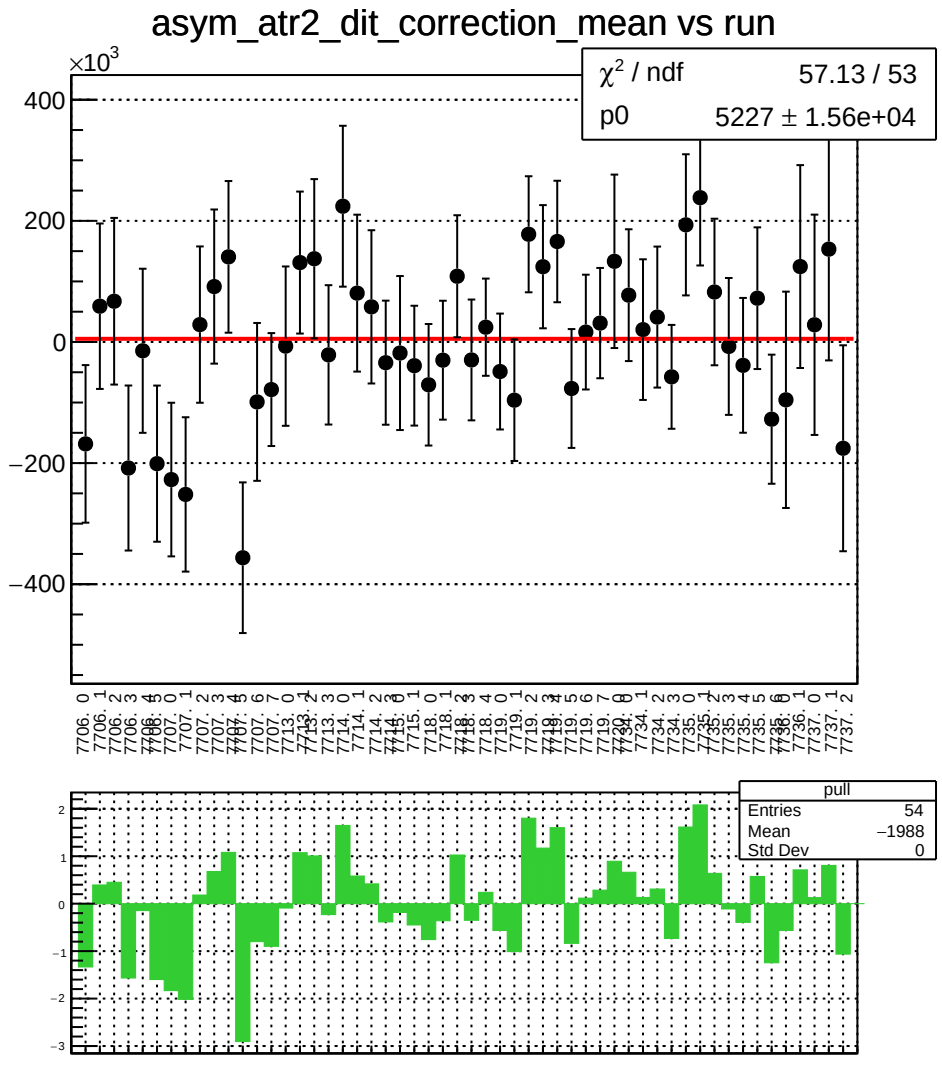

pull1D
Entries 54
Mean 0.0009155
Std Dev 1.031

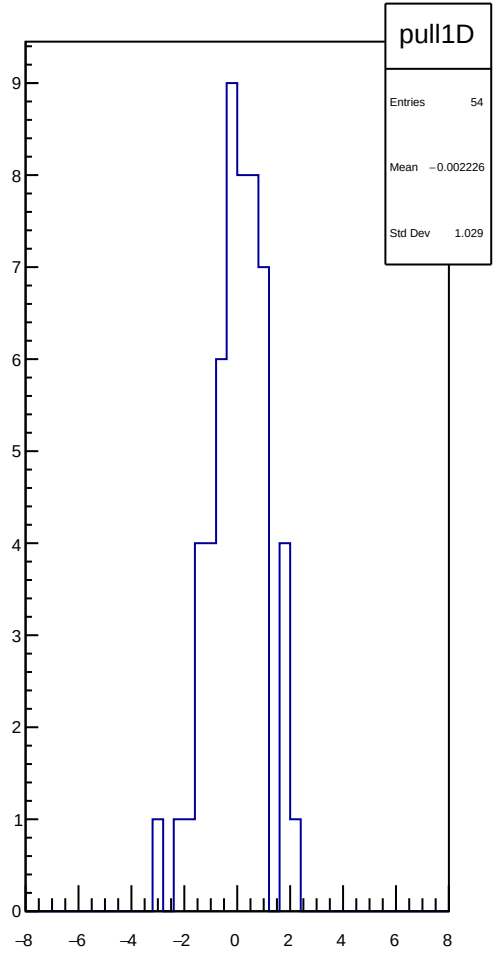

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2.247e+04 / 53
p0 1.141e+04 ± 11.19
20000
18000
16000
14000
12000
10000

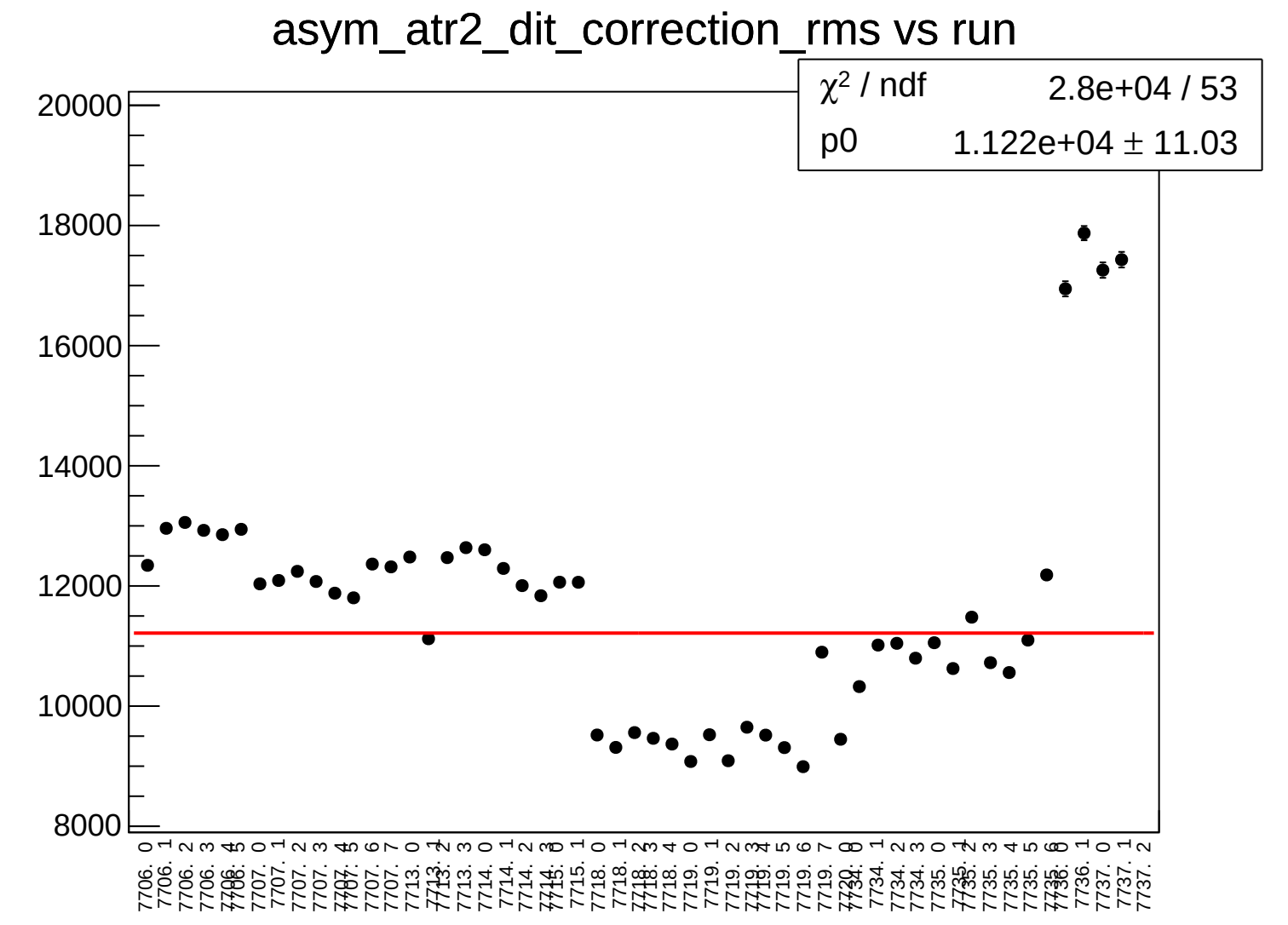

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 49.74 / 53
p0 2037 ± 3687
pull
Entries 54
Mean 46.34
Std Dev 0

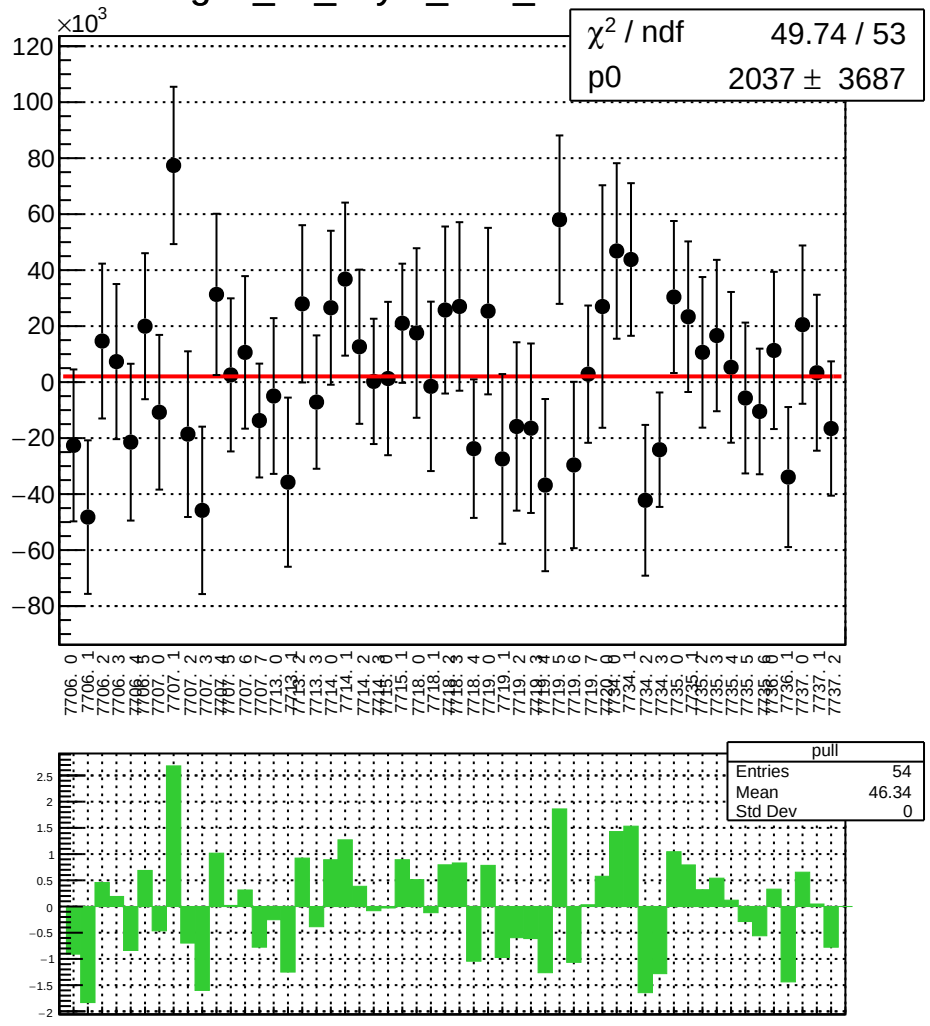

pull1D
Entries 54
Mean 0.02187
Std Dev 0.9595

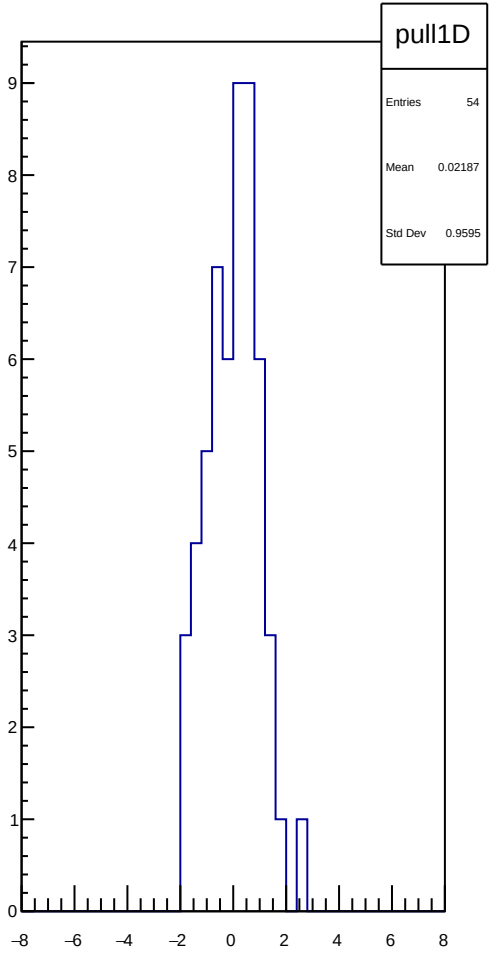

dit_asym_atr2_rms vs run
χ² / ndf 2221 / 53
p0 2683 ± 2.607
3000
2900
2800
2700
2600
2500

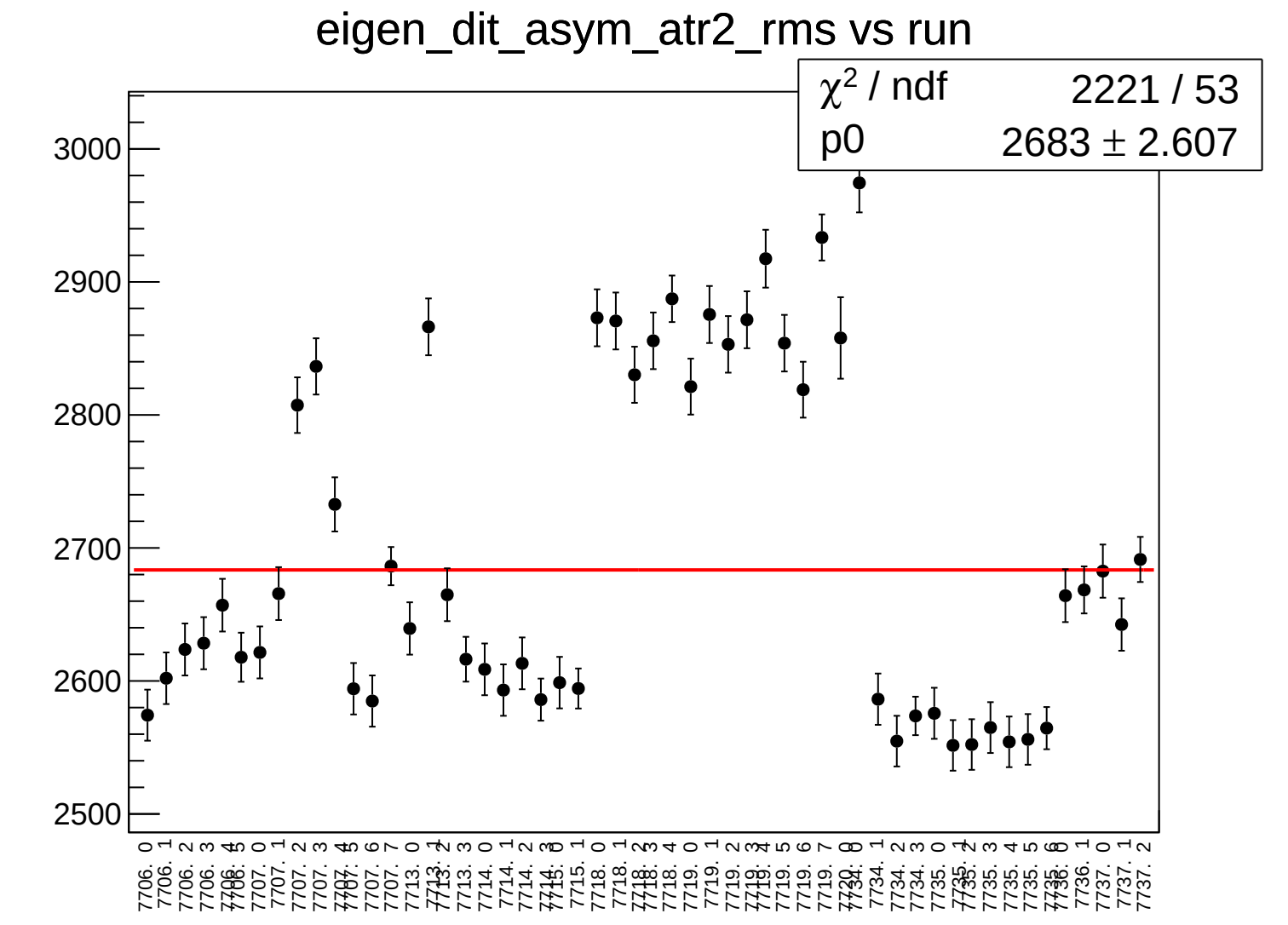

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 57.13 / 53
p0 5227 ± 1.56e+04
400
200
0
−200
−400
pull
Entries 54
Mean −1988
Std Dev 0
2
1
0
−1
−2
−3

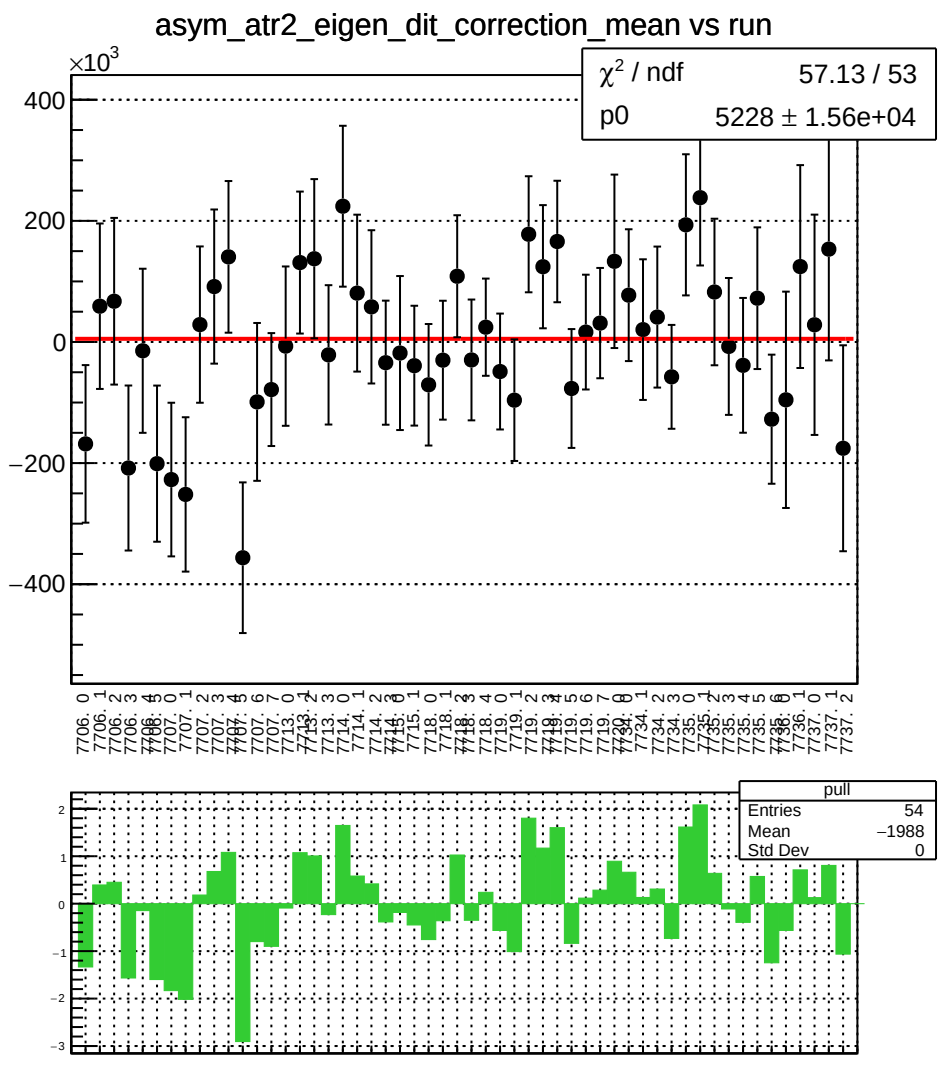

pull1D
Entries 54
Mean −0.002226
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

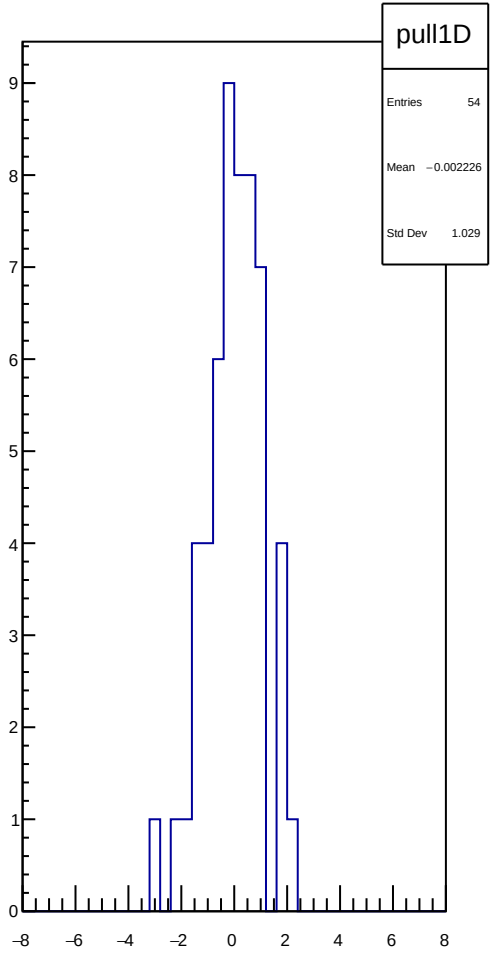

asym_atr2_dit_correction_rms vs run
χ² / ndf 2.8e+04 / 53
p0 1.122e+04 ± 11.03
20000
18000
16000
14000
12000
10000
8000

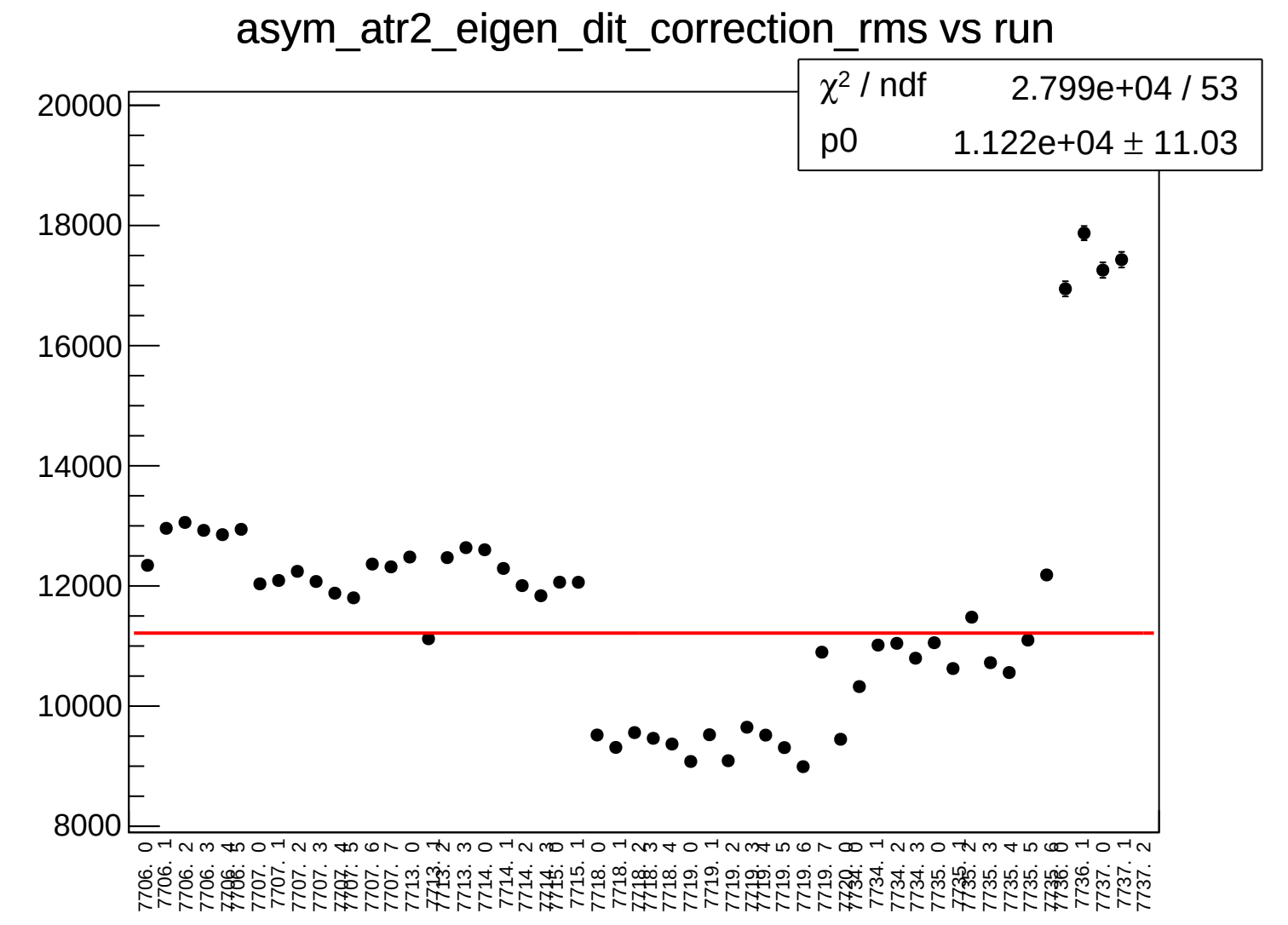

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 49.74 / 53
p0 2037 ± 3687
pull
Entries 54
Mean 46.34
Std Dev 0

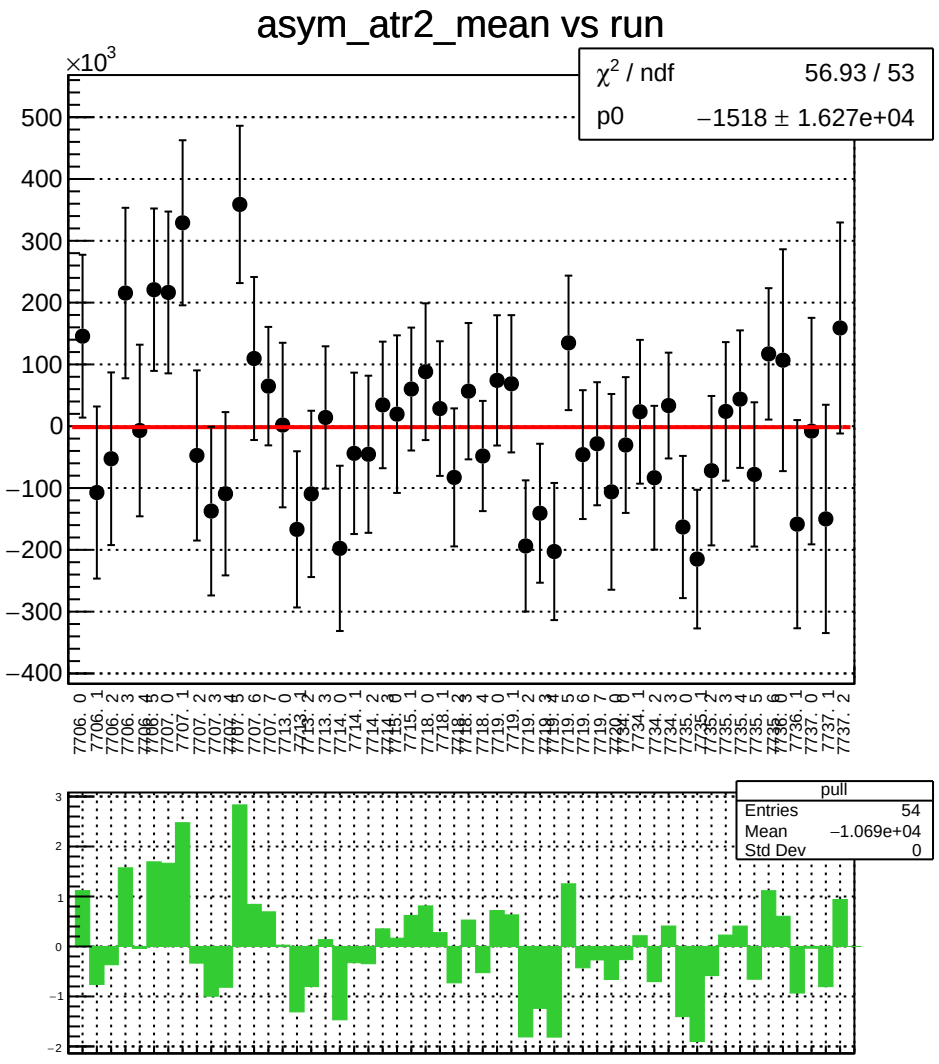

pull1D
Entries 54
Mean 0.02187
Std Dev 0.9595

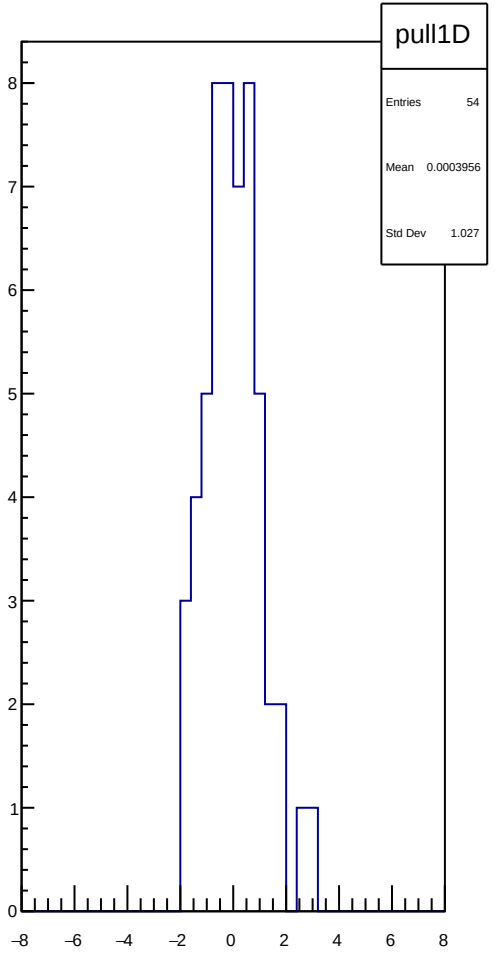

eigen_dit_asym_atr2_rms vs run
χ² / ndf 2221 / 53
p0 2683 ± 2.607
3000
2900
2800
2700
2600
2500

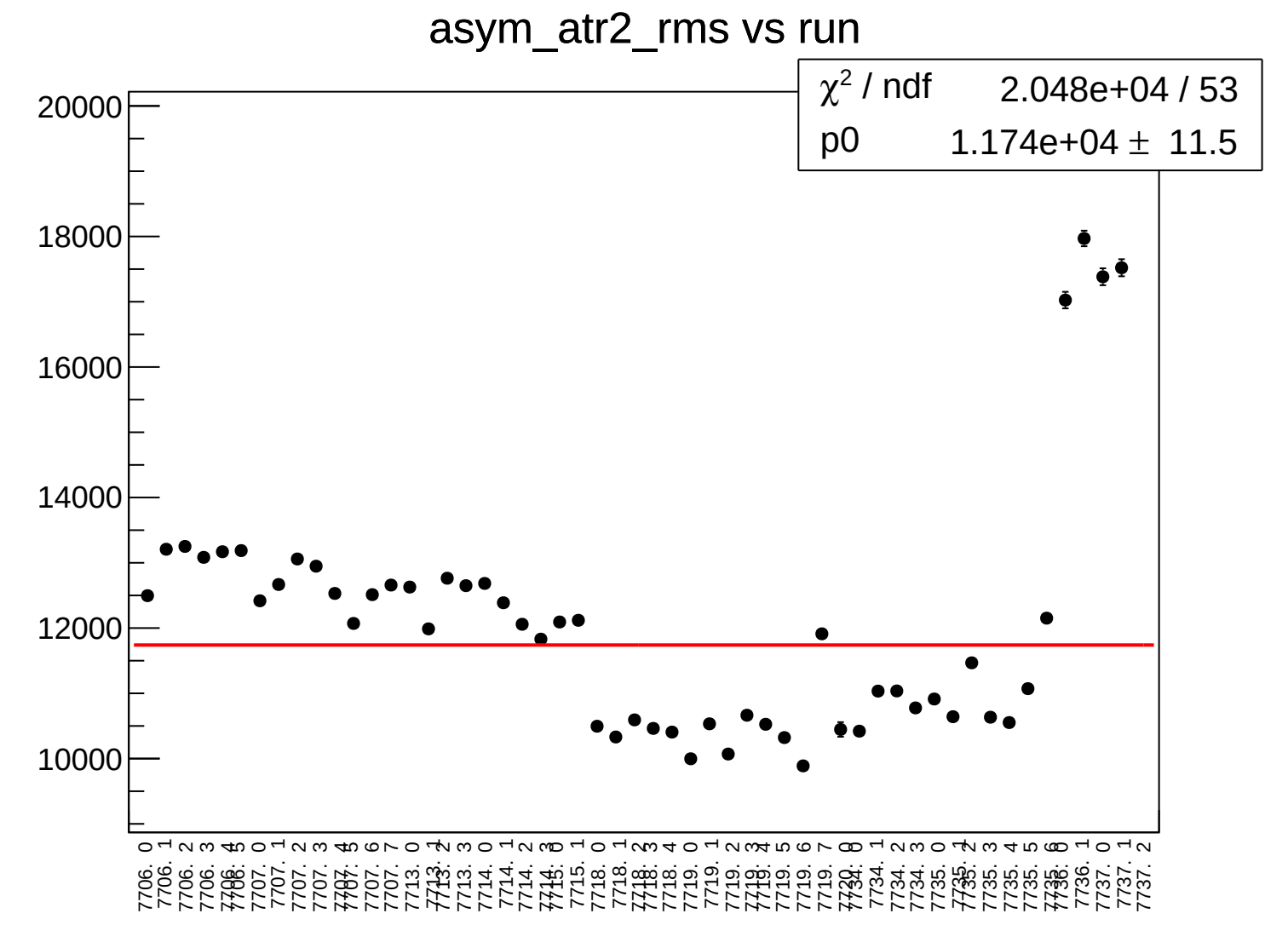

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.13 / 53
p0 5228 ± 1.56e+04
pull
Entries 54
Mean −1988
Std Dev 0

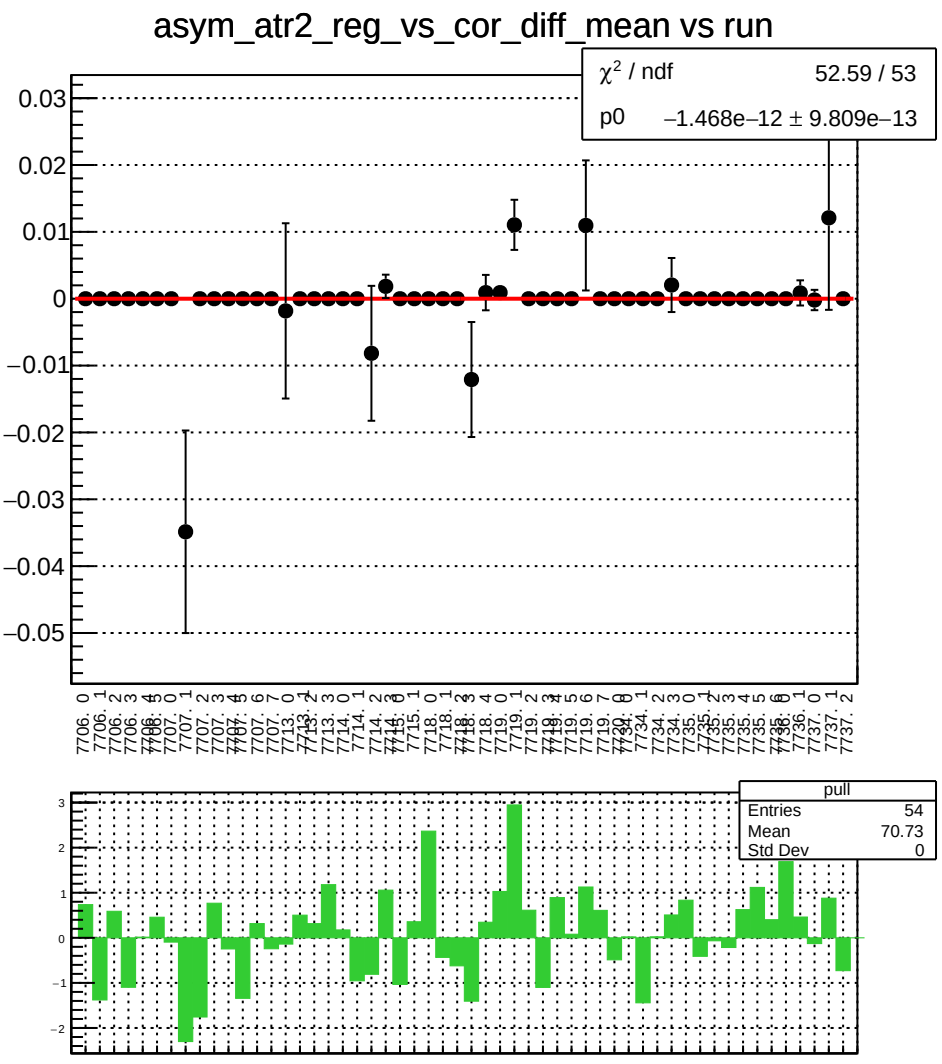

pull1D
Entries 54
Mean −0.002226
Std Dev 1.029

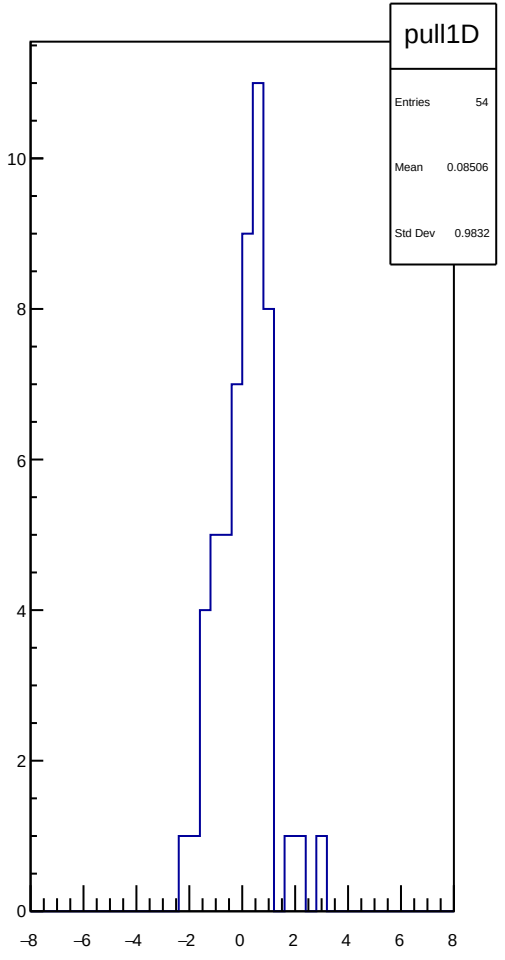

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 2.799e+04 / 53
p0 1.122e+04 ± 11.03
20000
18000
16000
14000
12000
10000
8000

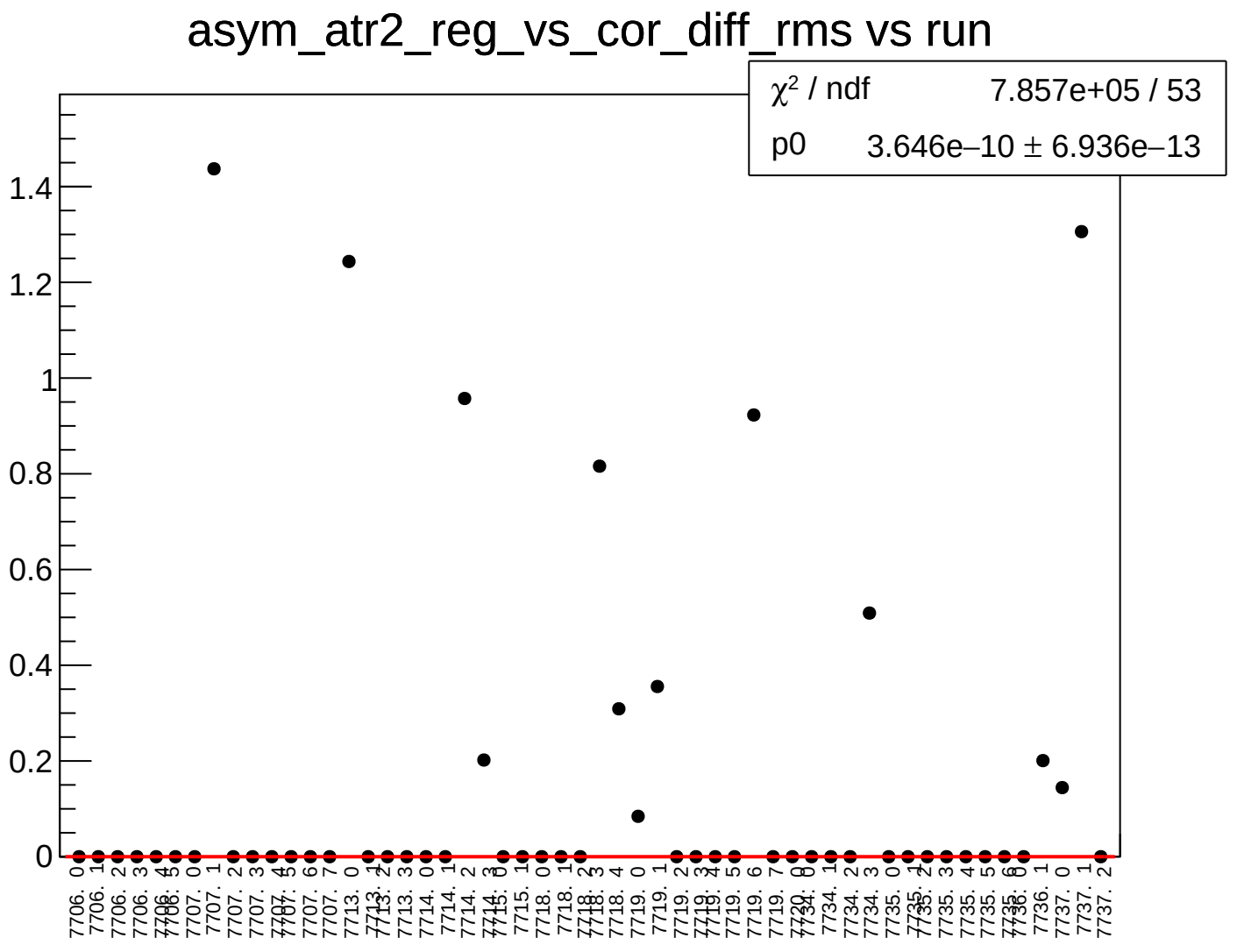

asym_atr2_mean vs run
×10^3
χ² / ndf 56.93 / 53
p0 −1518 ± 1.627e+04
pull
Entries 54
Mean −1.069e+04
Std Dev 0

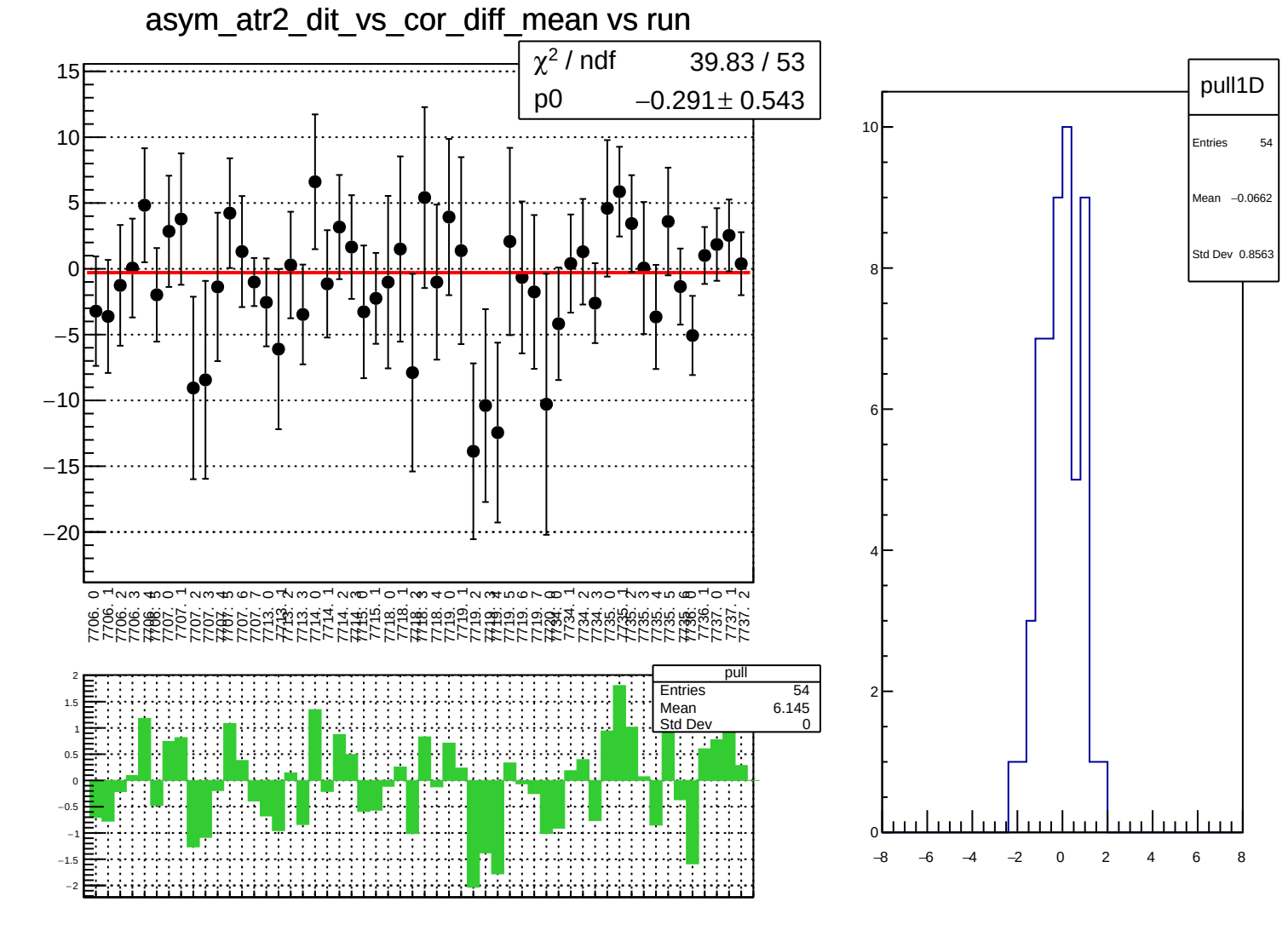

pull1D
Entries 54
Mean 0.0003956
Std Dev 1.027

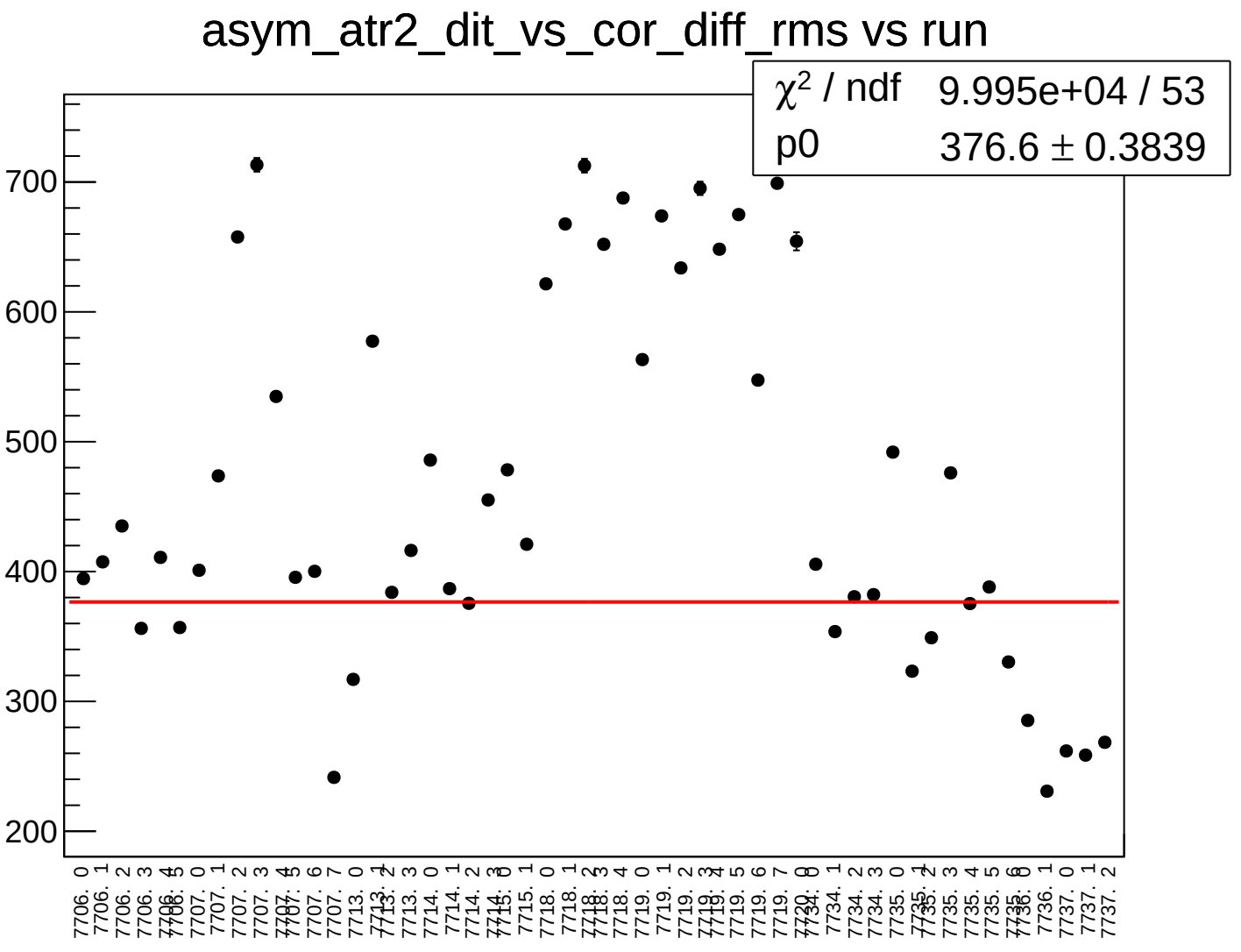

asym_atr2_rms vs run
χ^2 / ndf 2.048e+04 / 53
p0 1.174e+04 ± 11.5
20000
18000
16000
14000
12000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

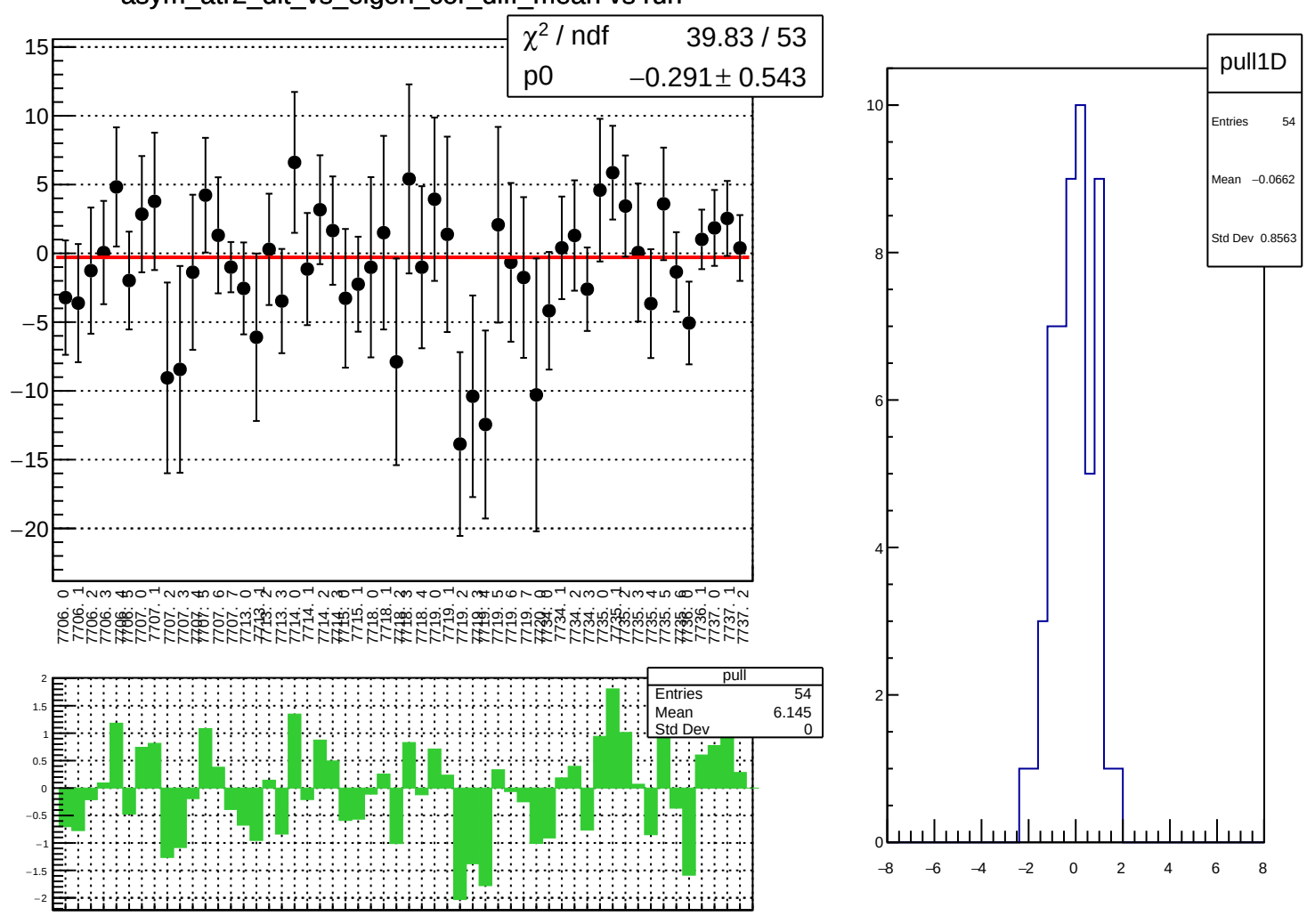

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 53
p0 −1.468e−12 ± 9.809e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 54
Mean 70.73
Std Dev 0

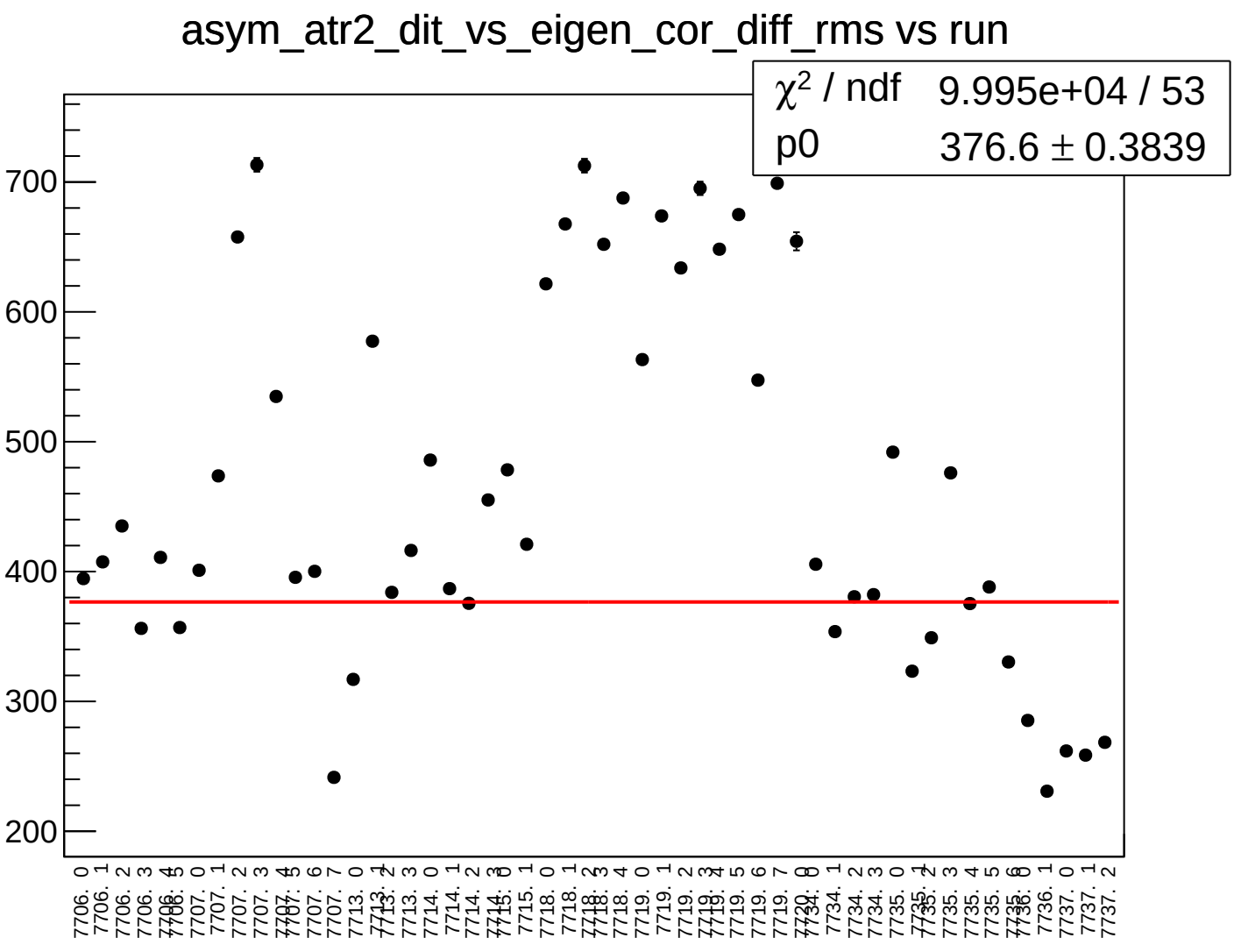

pull1D
Entries 54
Mean 0.08506
Std Dev 0.9832
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

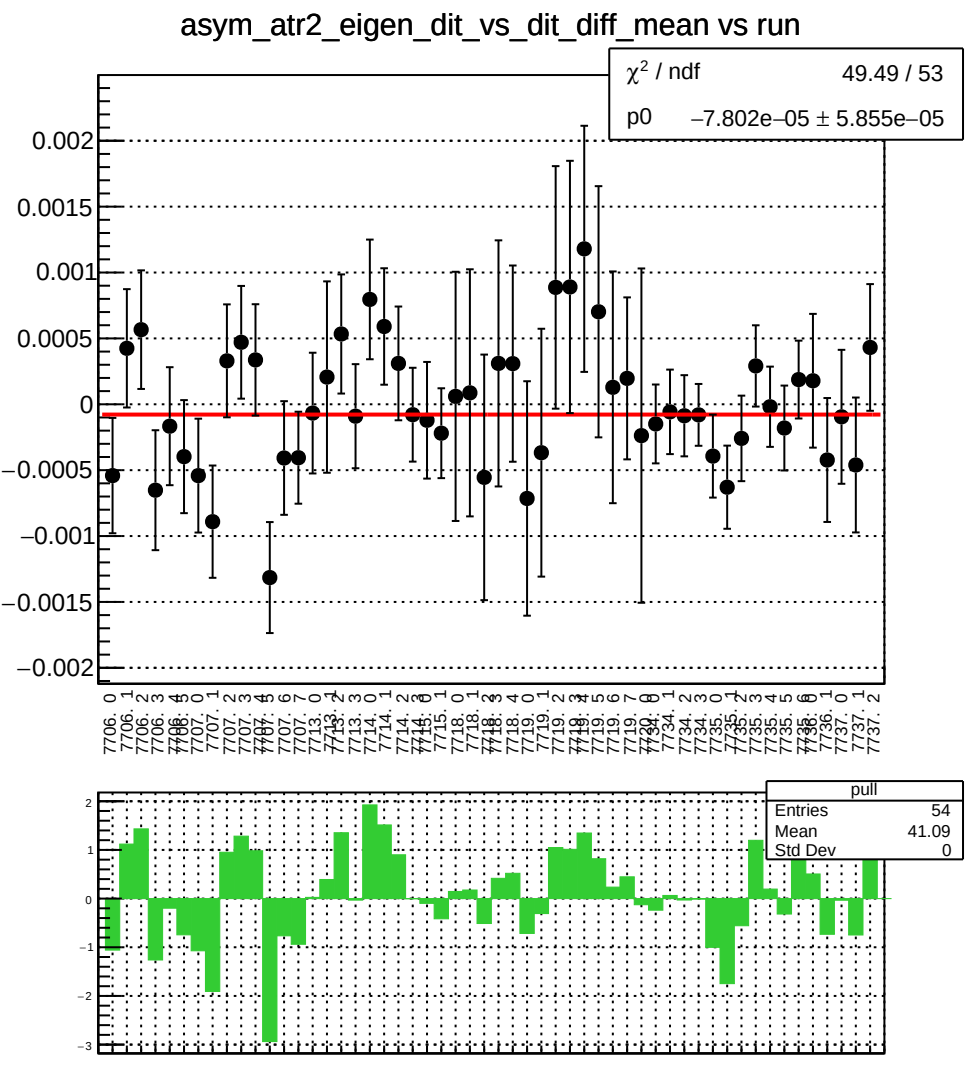

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.857e+05 / 53
p0 3.646e−10 ± 6.936e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

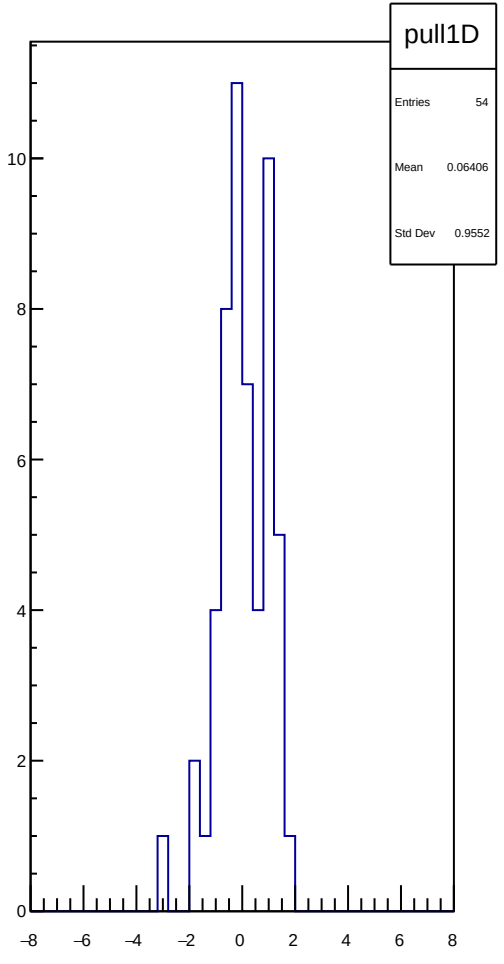

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 39.83 / 53
p0 −0.291 ± 0.543
pull
Entries 54
Mean 6.145
Std Dev 0
pull1D
Entries 54
Mean −0.0662
Std Dev 0.8563

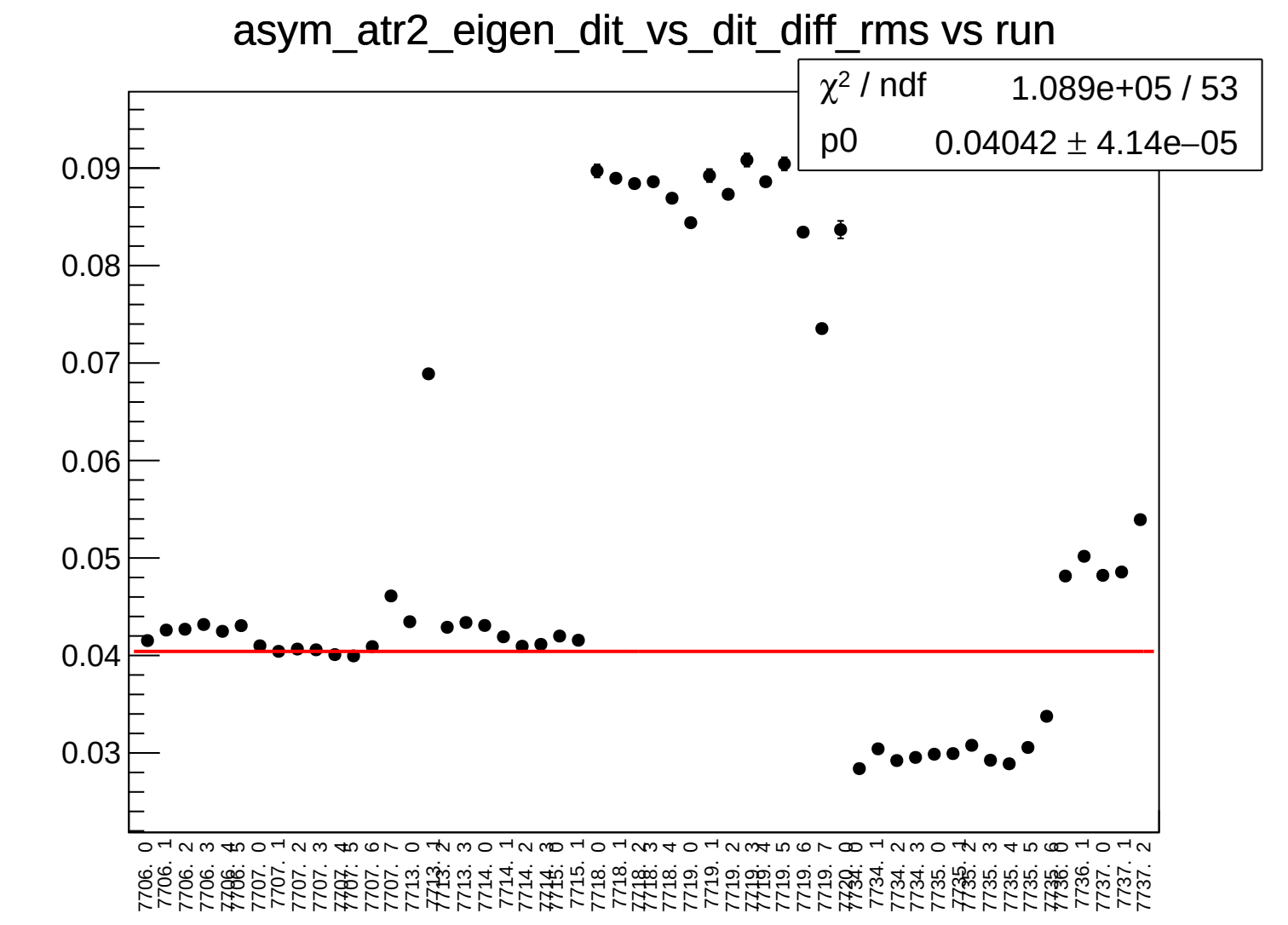

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 9.995e+04 / 53
p0 376.6 ± 0.3839
700
600
500
400
300
200

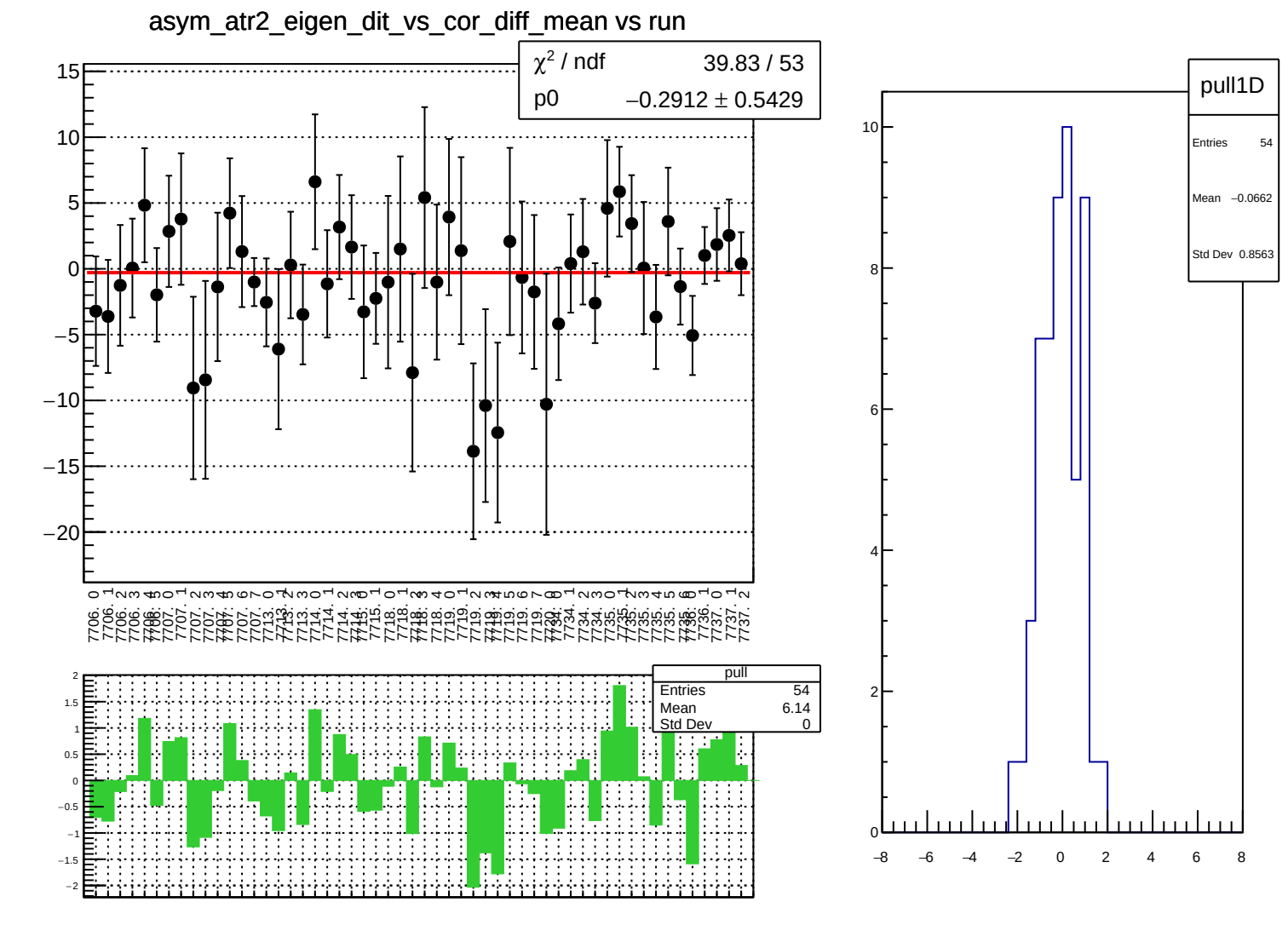

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.83 / 53
p0 −0.291 ± 0.543
pull
Entries 54
Mean 6.145
Std Dev 0
pull1D
Entries 54
Mean −0.0662
Std Dev 0.8563

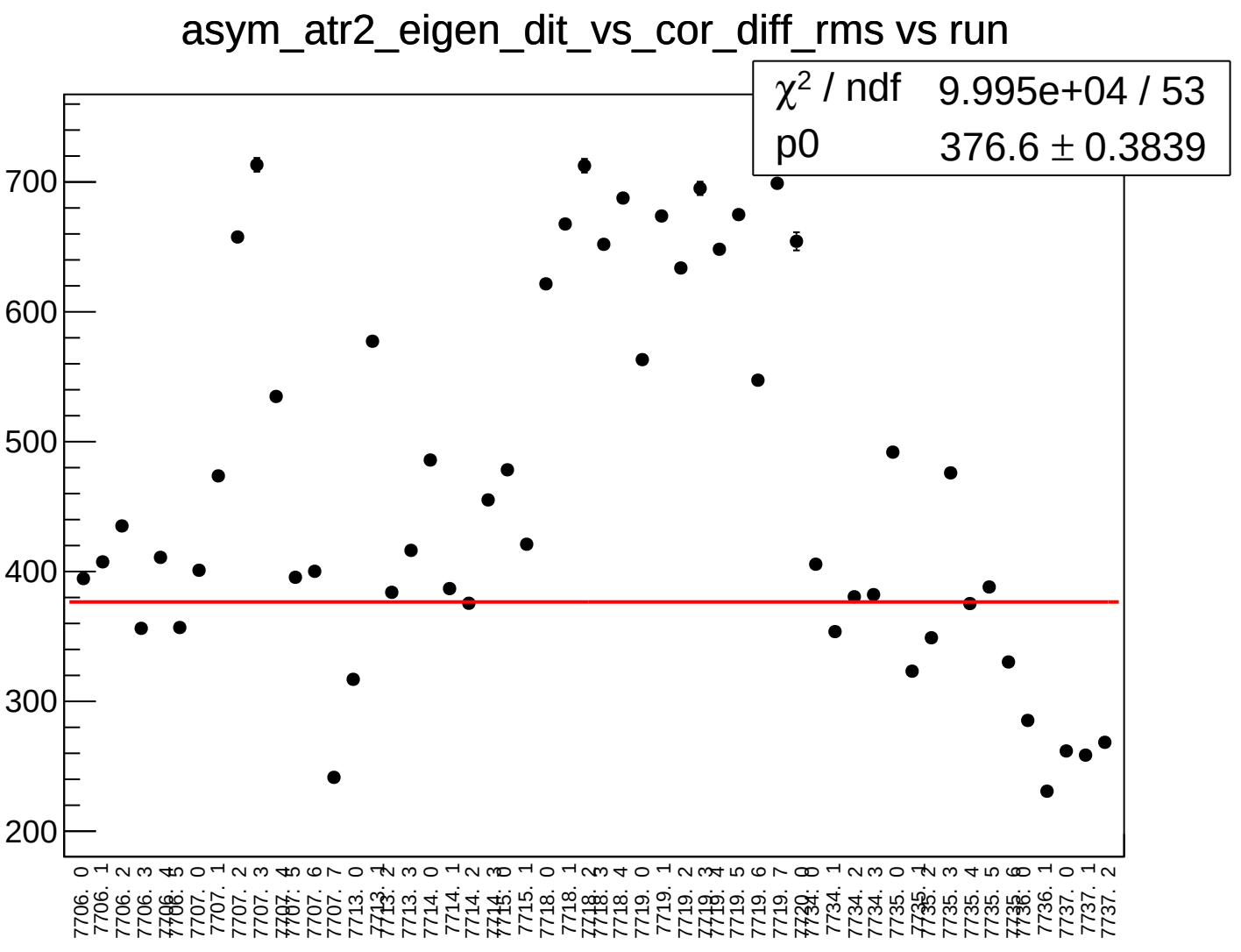

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.995e+04 / 53
p0 376.6 ± 0.3839
700
600
500
400
300
200

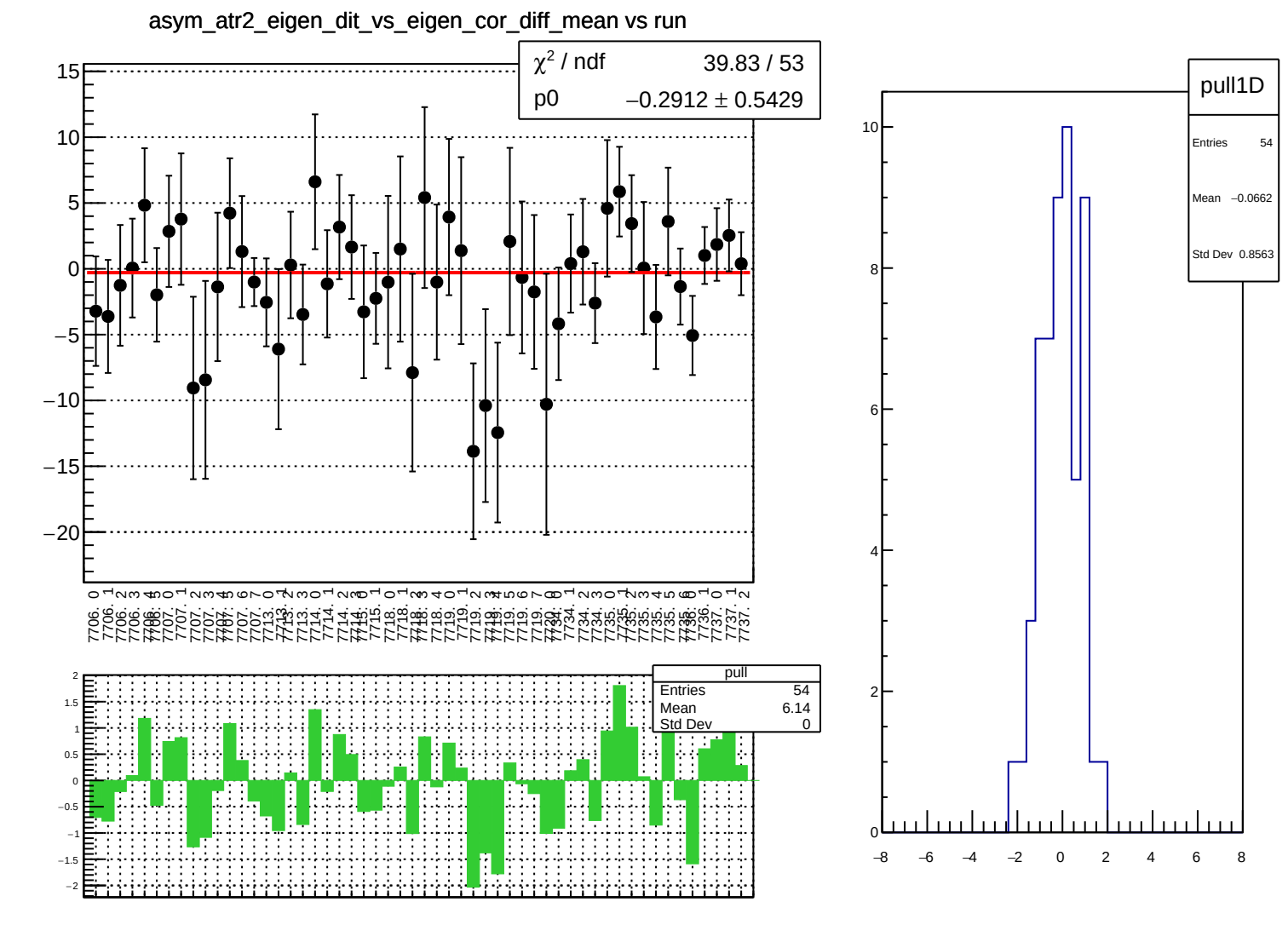

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.49 / 53
p0 −7.802e−05 ± 5.855e−05
pull
Entries 54
Mean 41.09
Std Dev 0

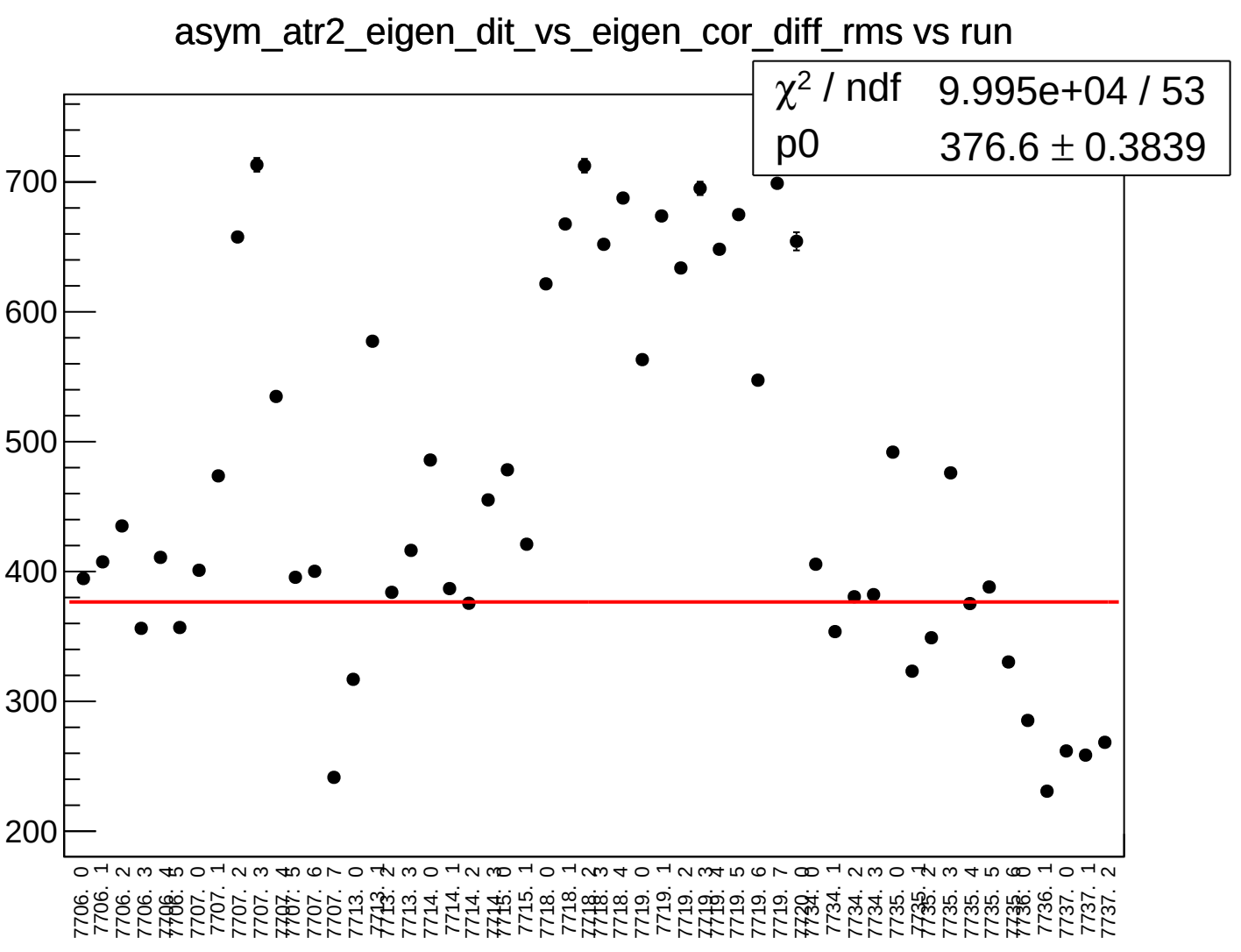

pull1D
Entries 54
Mean 0.06406
Std Dev 0.9552

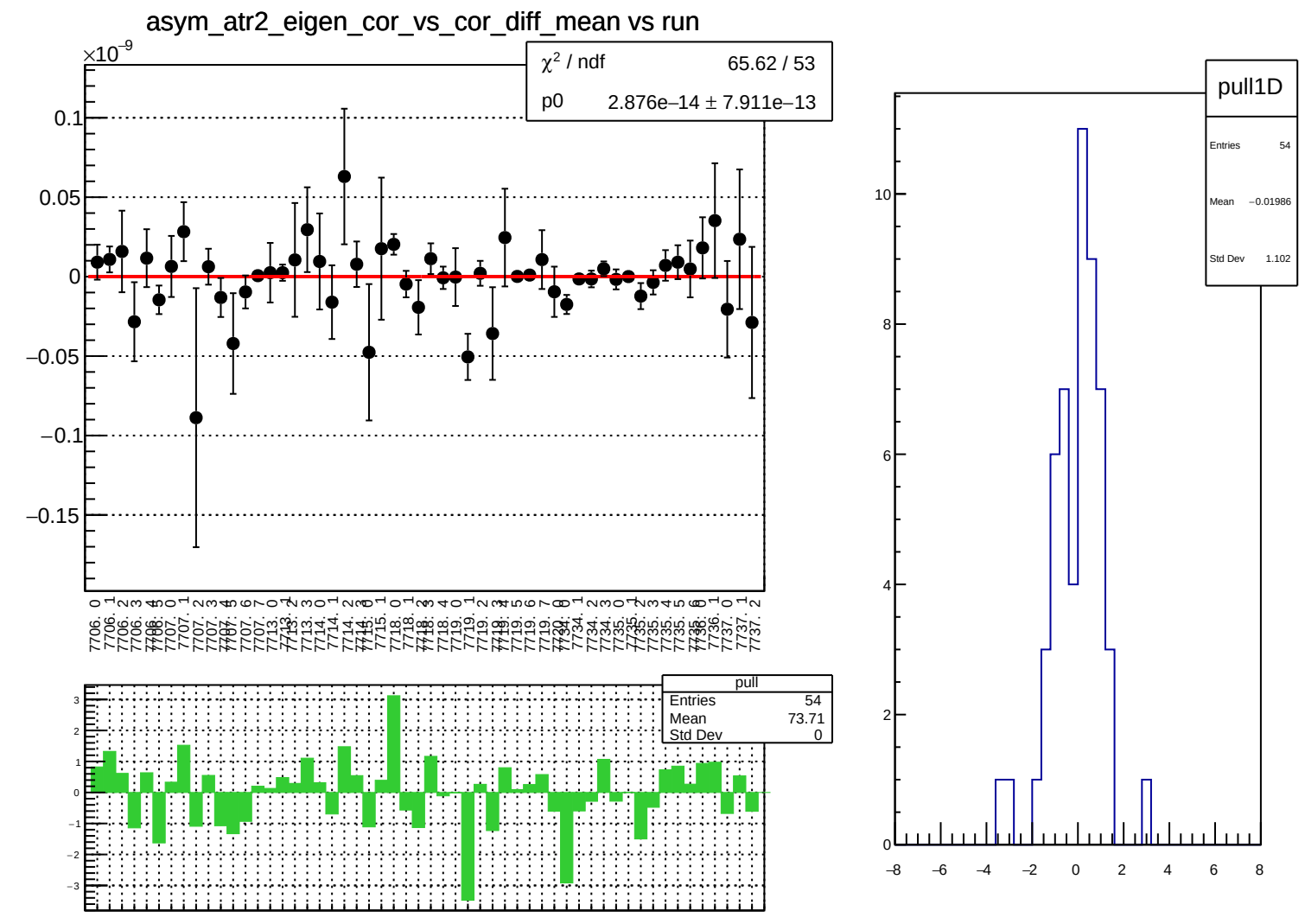

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.089e+05 / 53
p0 0.04042 ± 4.14e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03

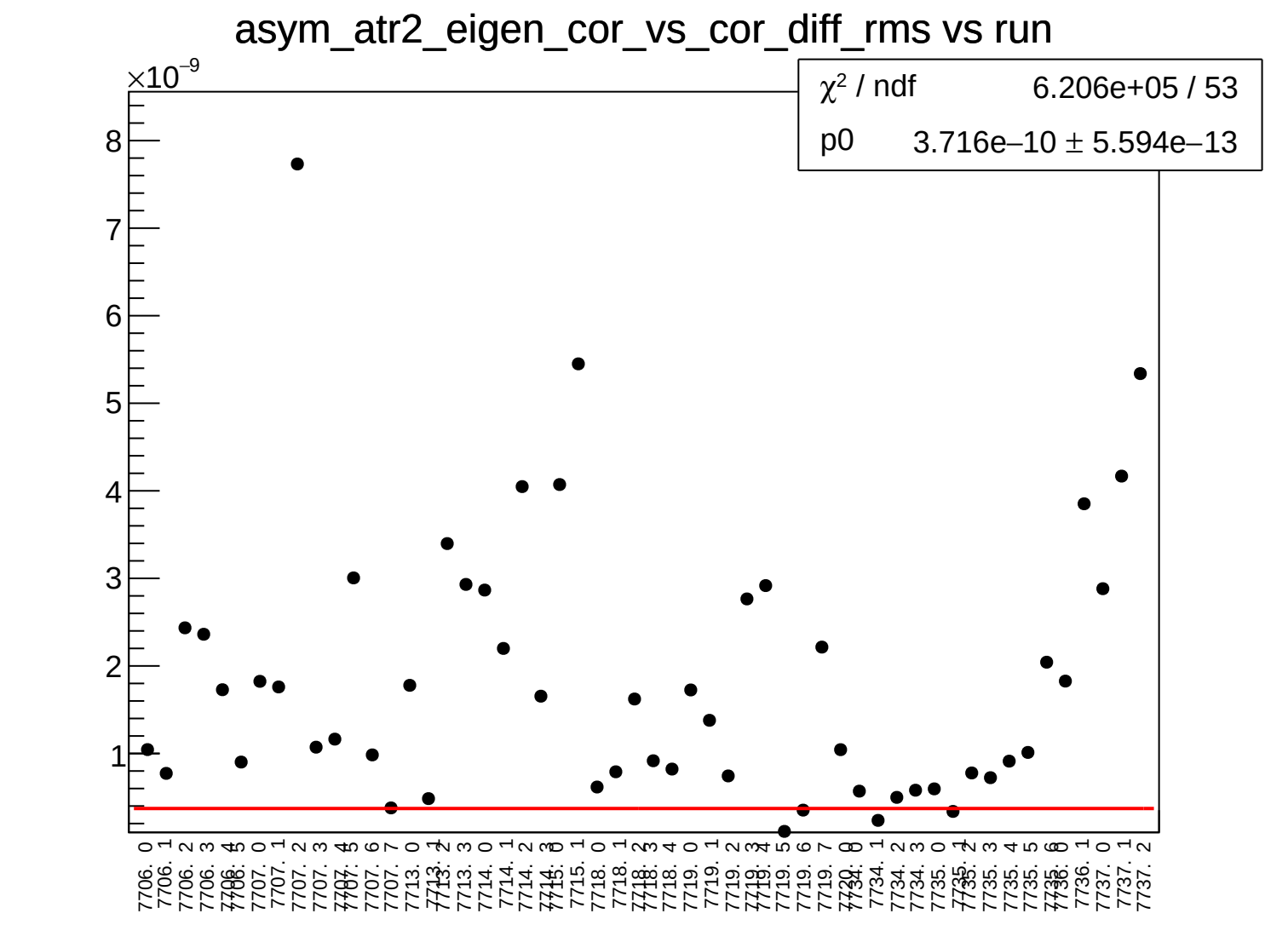

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.83 / 53
p0 −0.2912 ± 0.5429
pull
Entries 54
Mean 6.14
Std Dev 0
pull1D
Entries 54
Mean −0.0662
Std Dev 0.8563

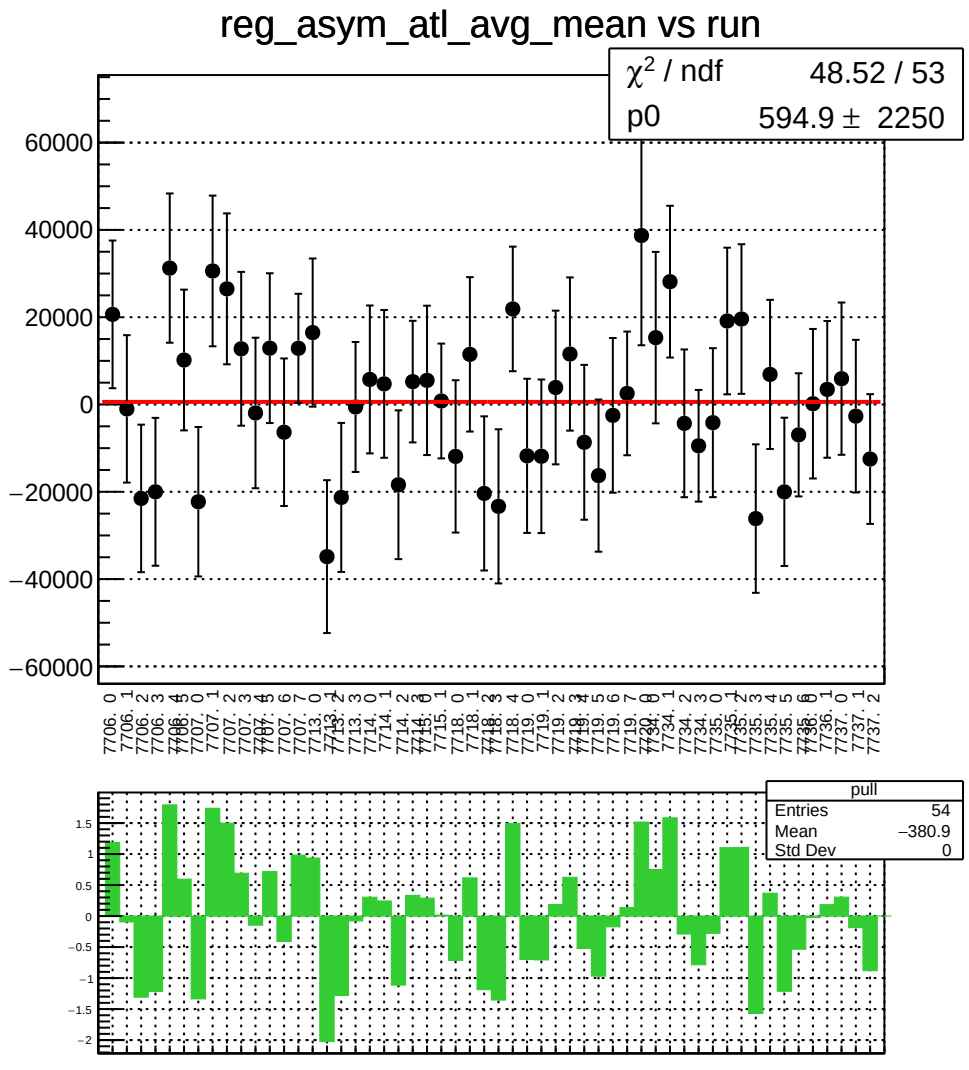

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.995e+04 / 53
p0 376.6 ± 0.3839
700
600
500
400
300
200

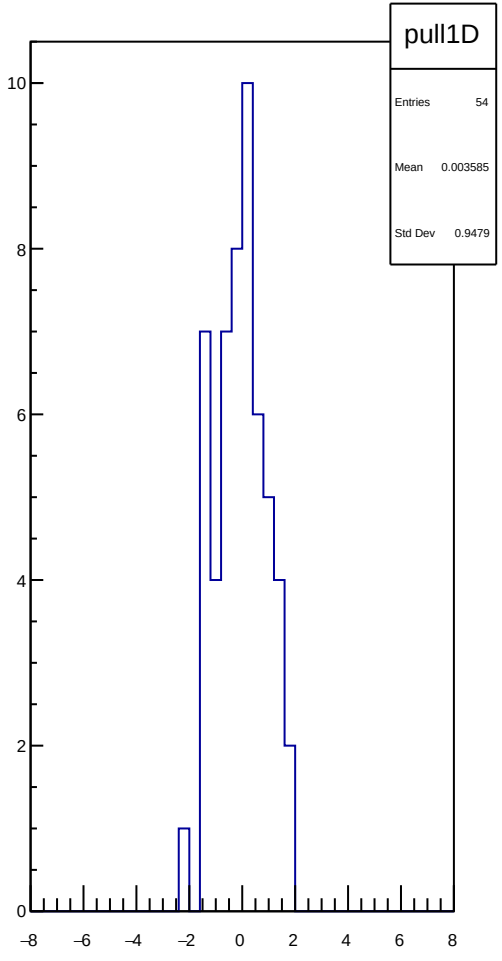

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.83 / 53
p0 −0.2912 ± 0.5429
pull
Entries 54
Mean 6.14
Std Dev 0
pull1D
Entries 54
Mean −0.0662
Std Dev 0.8563

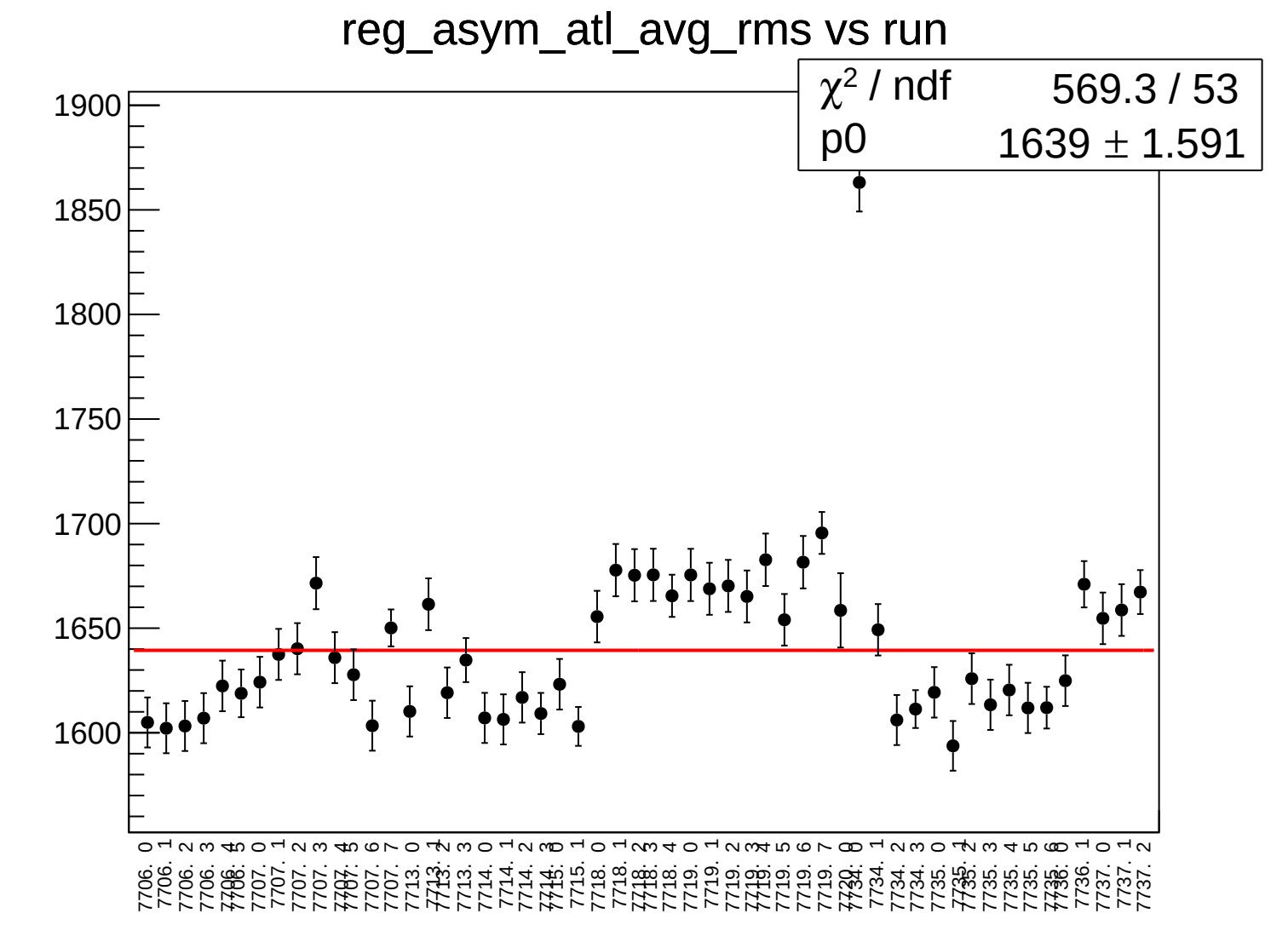

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.995e+04 / 53
p0 376.6 ± 0.3839
700
600
500
400
300
200

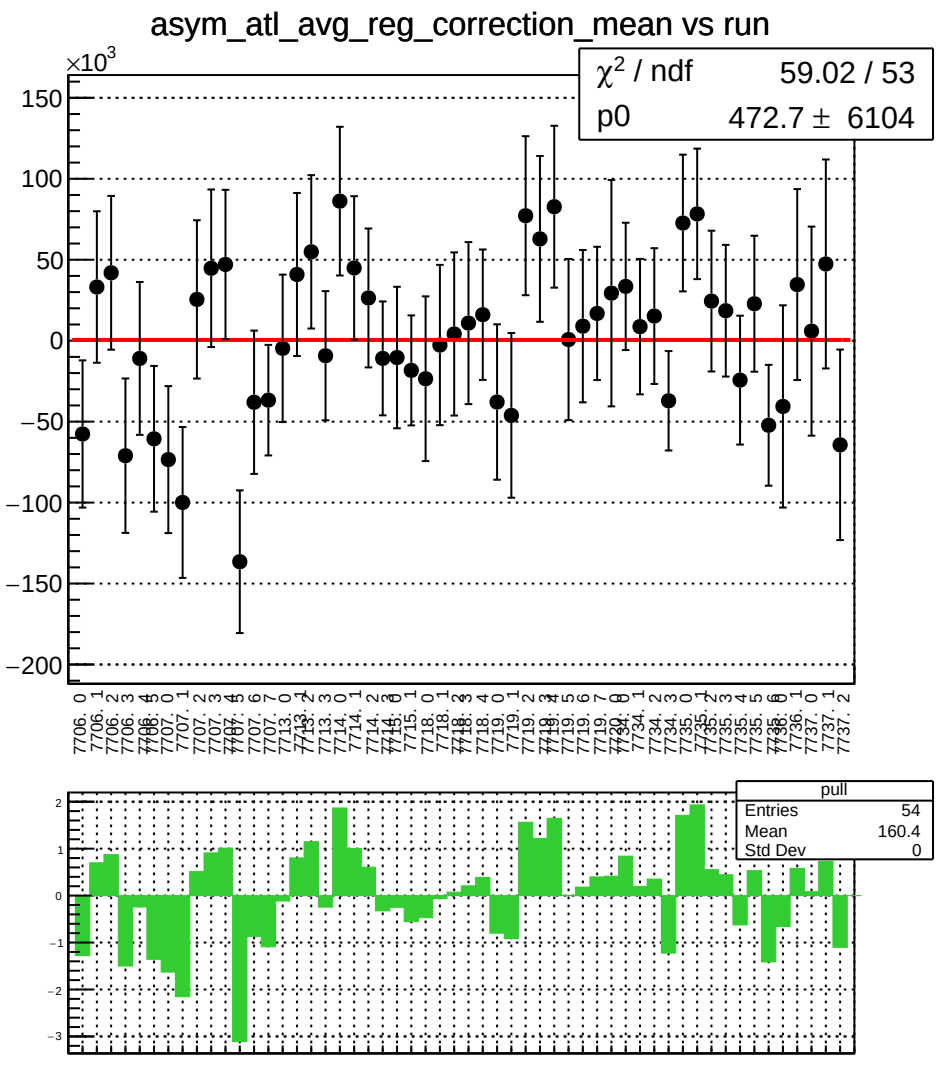

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 65.62 / 53
p0 2.876e−14 ± 7.911e−13
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 54
Mean 73.71
Std Dev 0
pull1D
Entries 54
Mean −0.01986
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

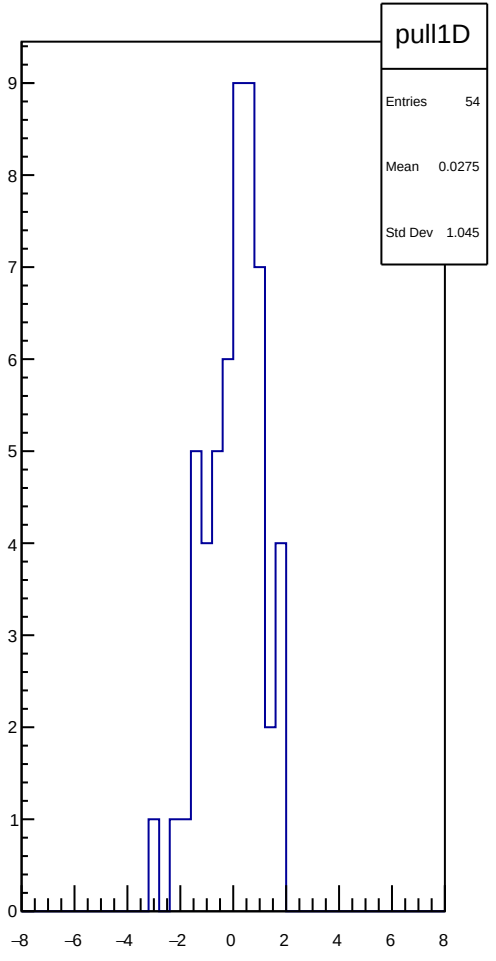

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.206e+05 / 53
p0 3.716e−10 ± 5.594e−13
8
7
6
5
4
3
2
1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

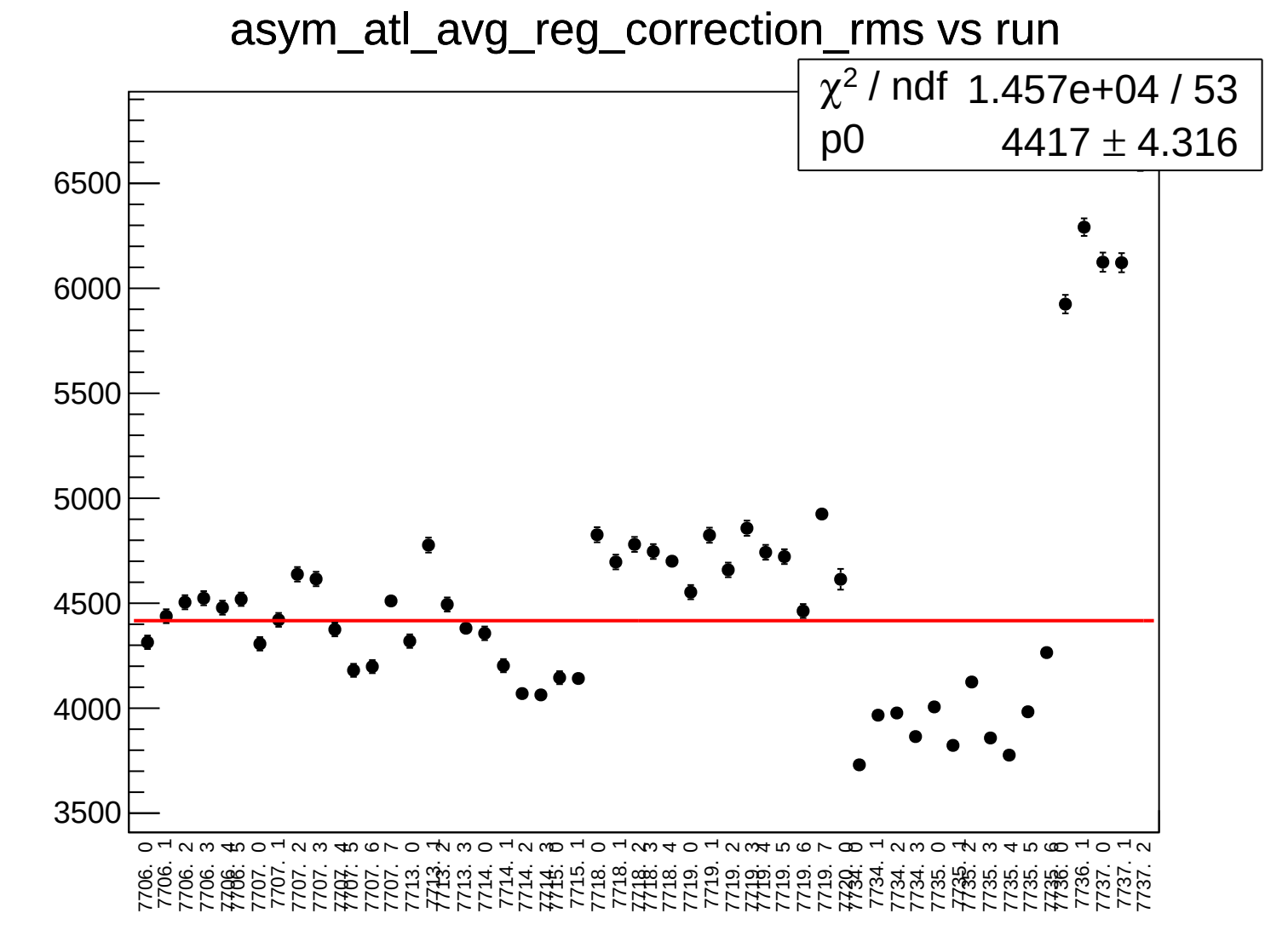

reg_asym_atl_avg_mean vs run
χ² / ndf 48.52 / 53
p0 594.9 ± 2250
pull
Entries 54
Mean −380.9
Std Dev 0

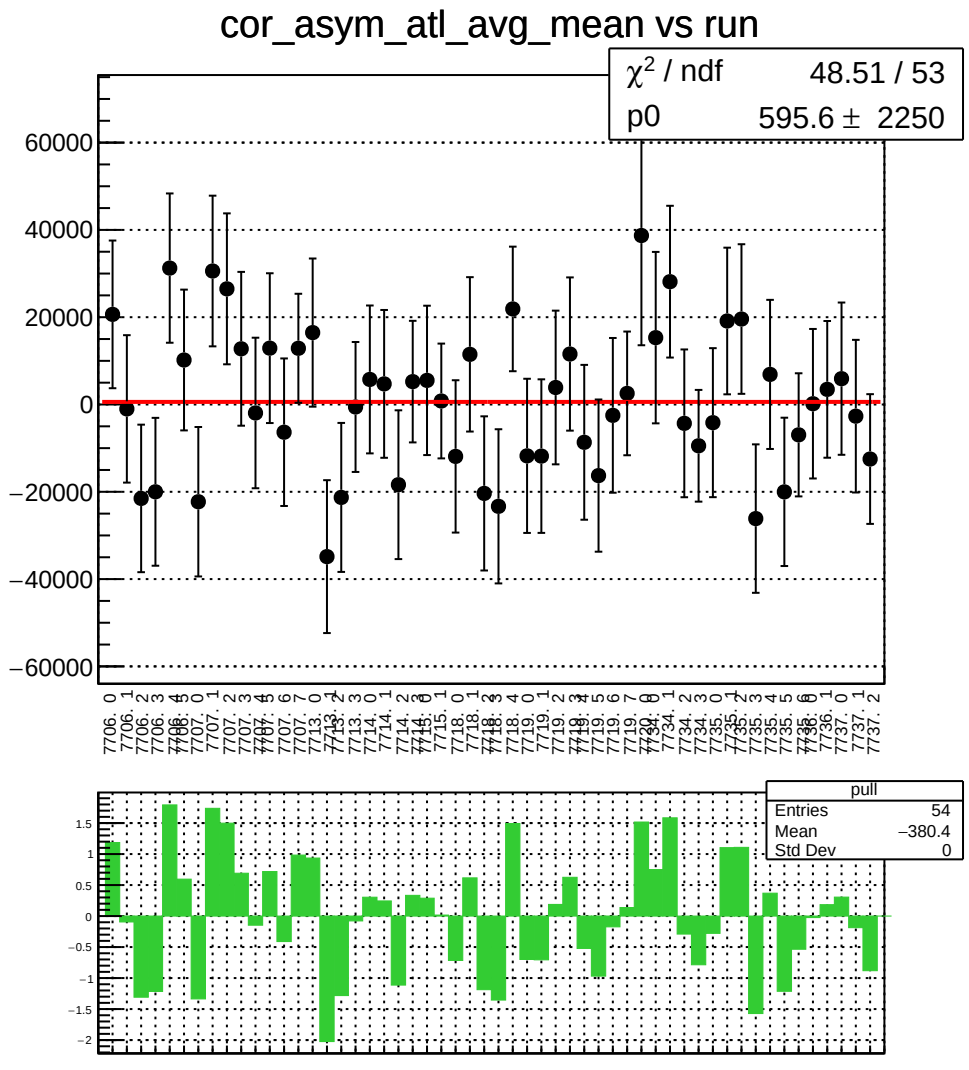

pull1D
Entries 54
Mean 0.003585
Std Dev 0.9479

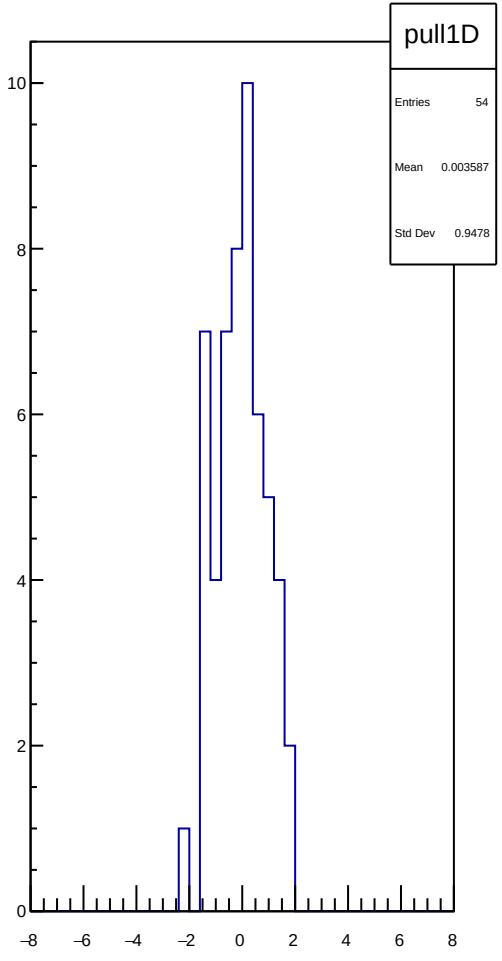

reg_asym_atl_avg_rms vs run
χ² / ndf 569.3 / 53
p0 1639 ± 1.591
1900
1850
1800
1750
1700
1650
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

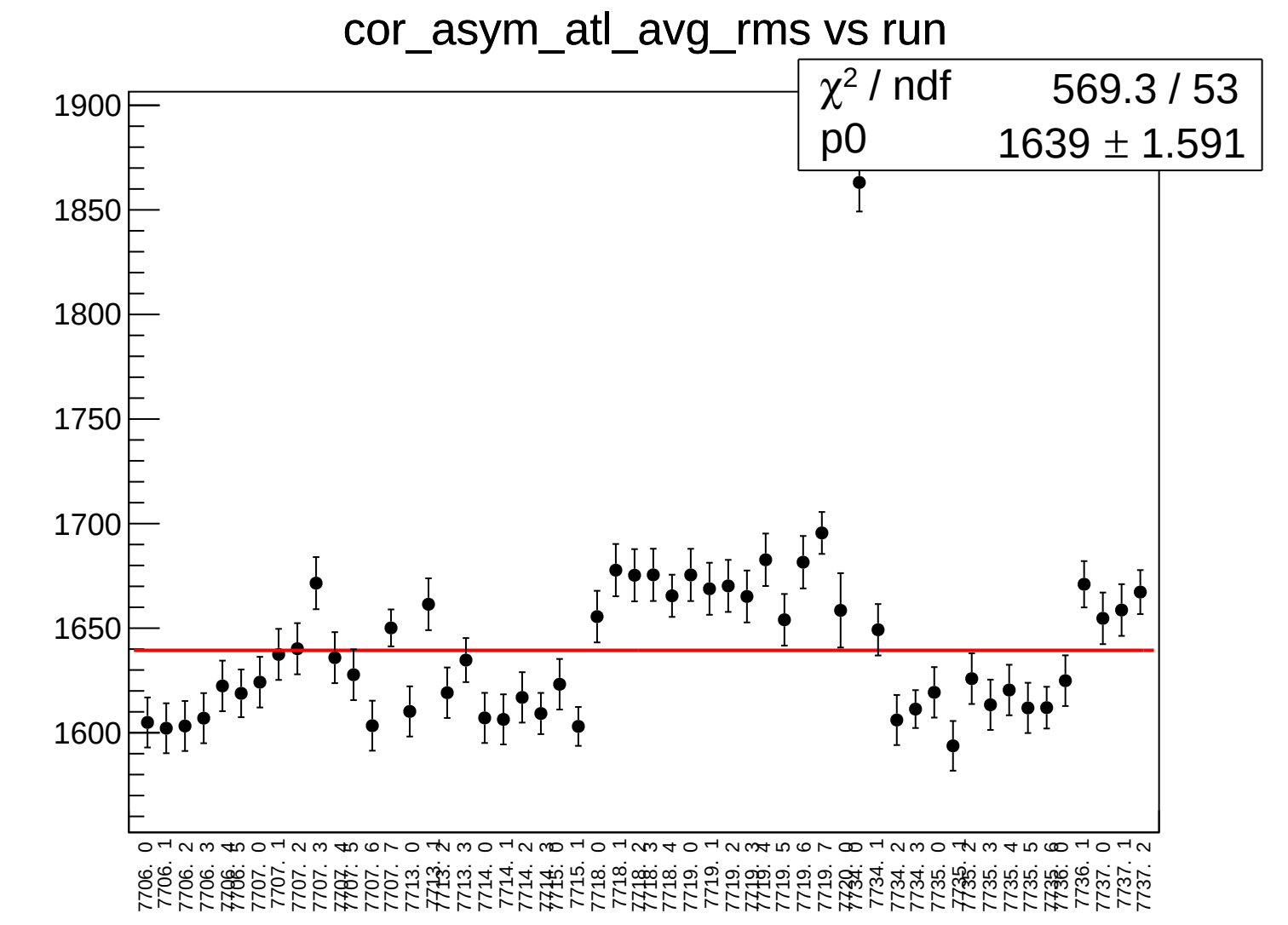

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.02 / 53
p0 472.7 ± 6104
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 160.4
Std Dev 0
2
1
0
−1
−2
−3

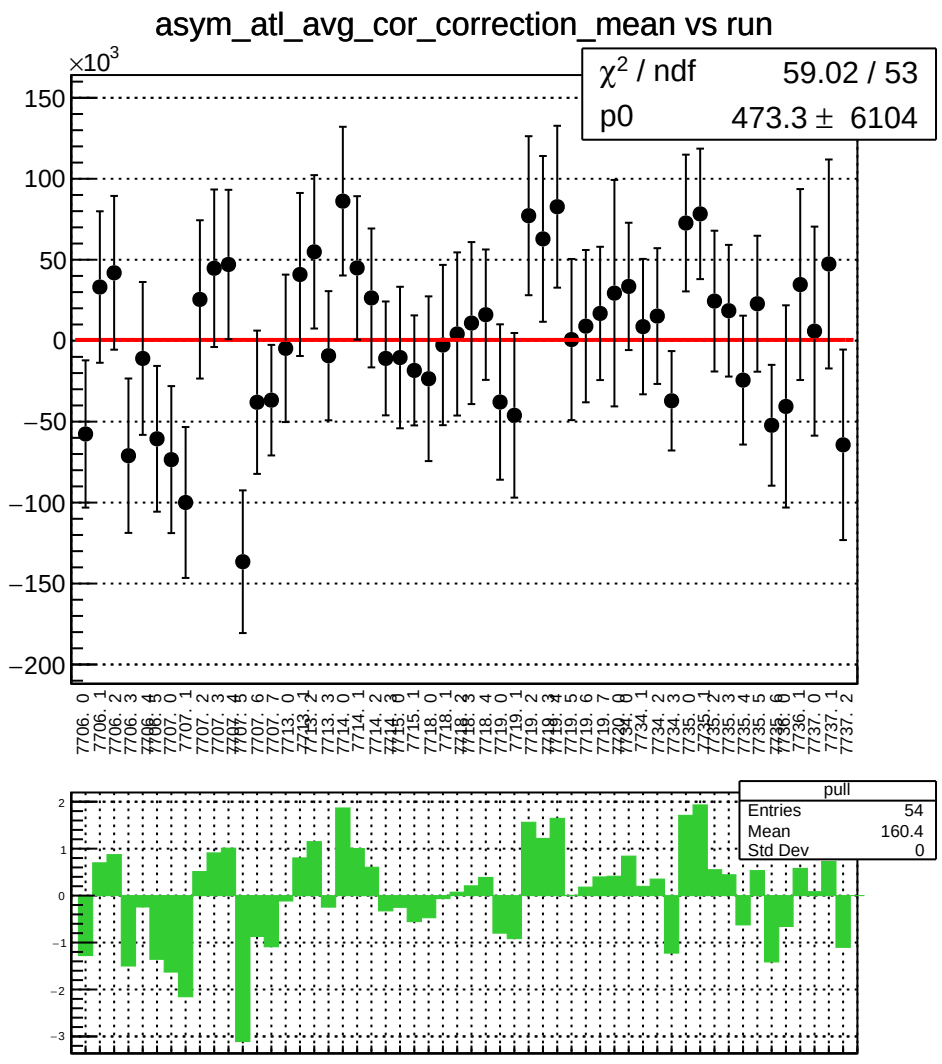

pull1D
Entries 54
Mean 0.0275
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

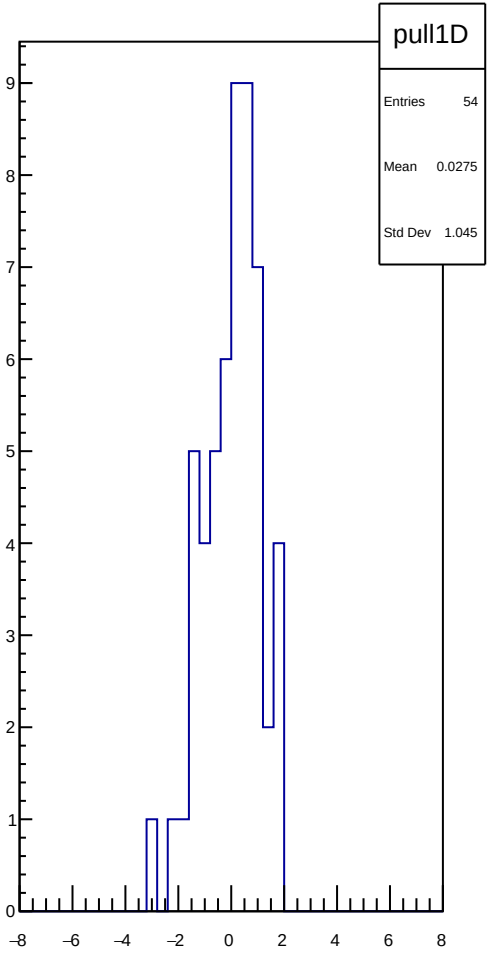

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1.457e+04 / 53
p0 4417 ± 4.316
6500
6000
5500
5000
4500
4000
3500

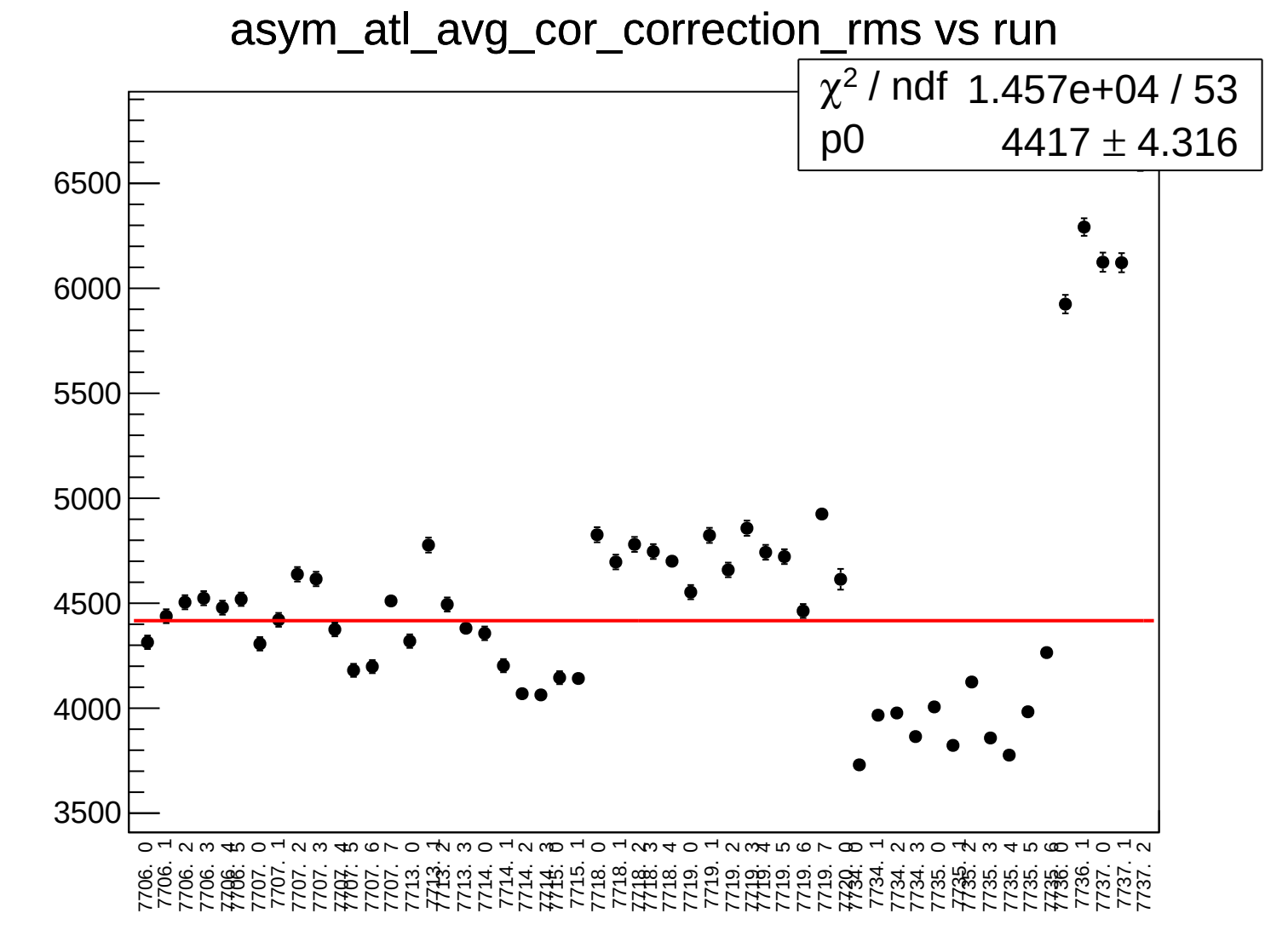

cor_asym_atl_avg_mean vs run
χ² / ndf 48.51 / 53
p0 595.6 ± 2250
pull
Entries 54
Mean −380.4
Std Dev 0

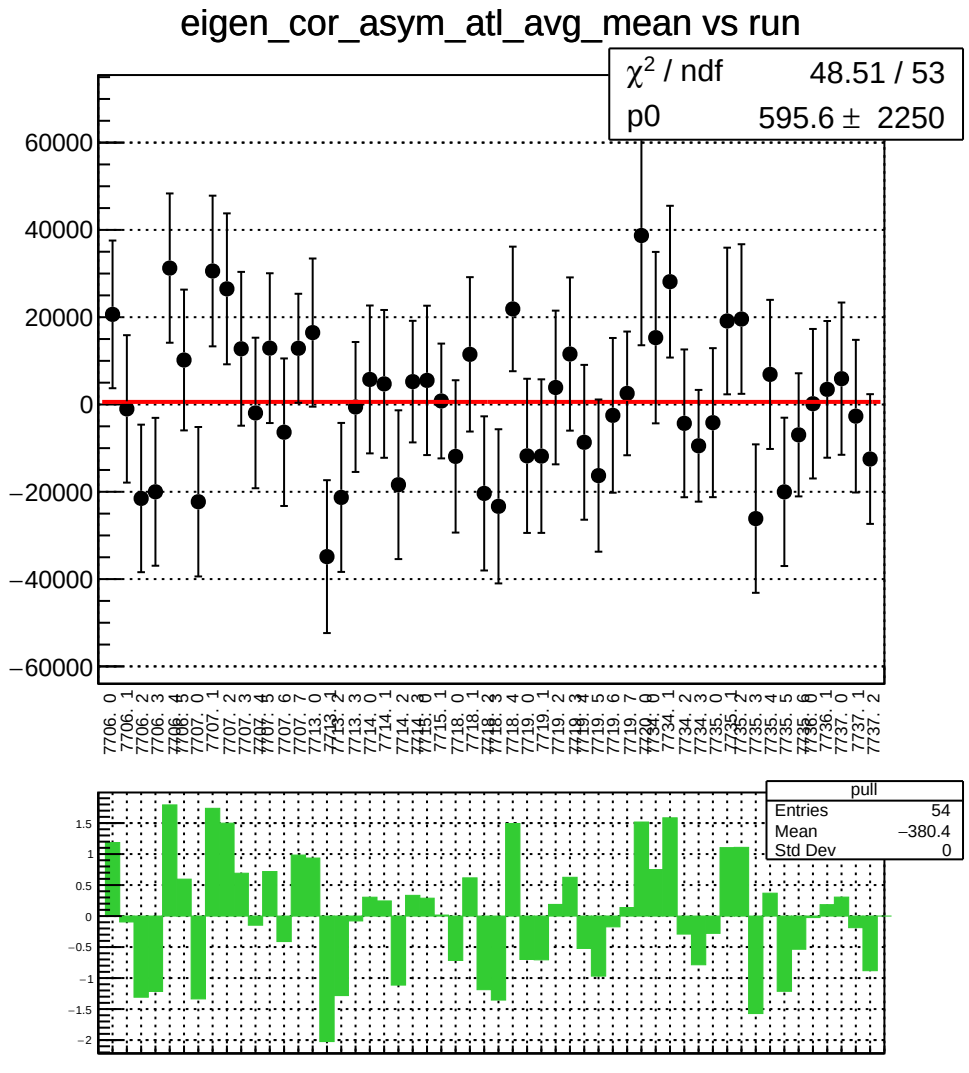

pull1D
Entries 54
Mean 0.003587
Std Dev 0.9478

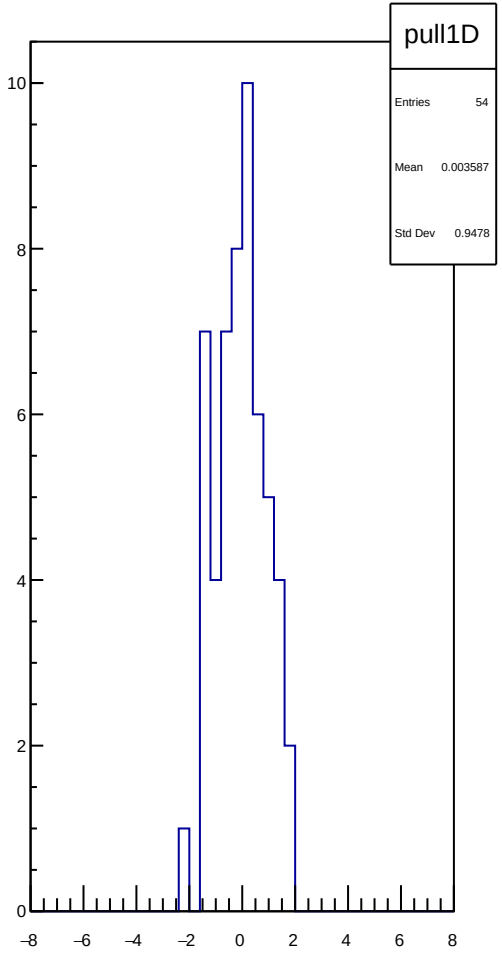

cor_asym_atl_avg_rms vs run
χ² / ndf 569.3 / 53
p0 1639 ± 1.591
1900
1850
1800
1750
1700
1650
1600

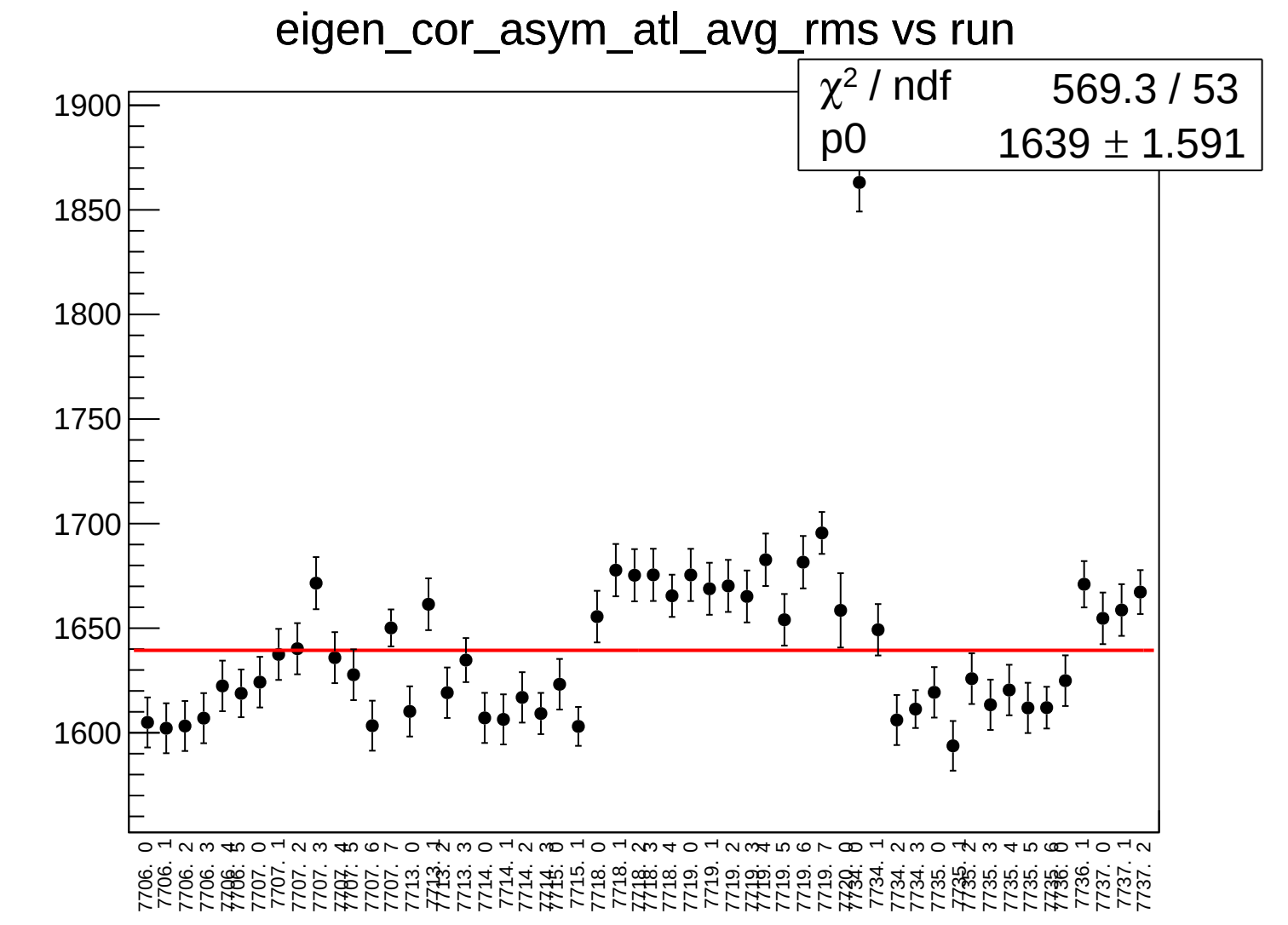

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.02 / 53
p0 473.3 ± 6104
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 160.4
Std Dev 0
2
1
0
−1
−2
−3

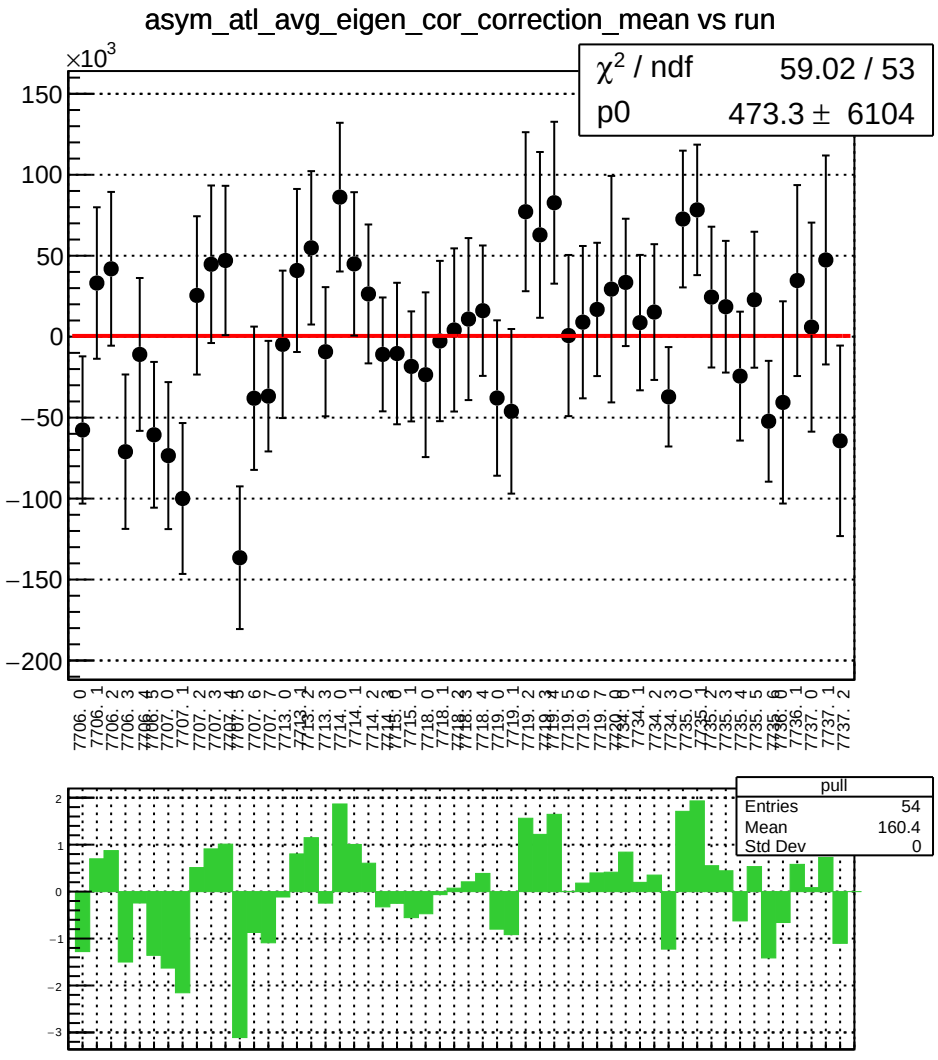

pull1D
Entries 54
Mean 0.0275
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

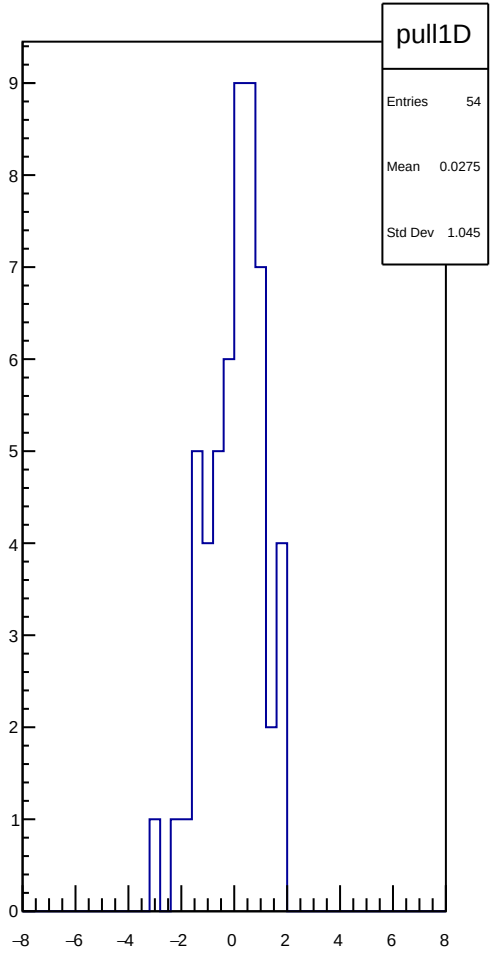

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1.457e+04 / 53
p0 4417 ± 4.316
6500
6000
5500
5000
4500
4000
3500

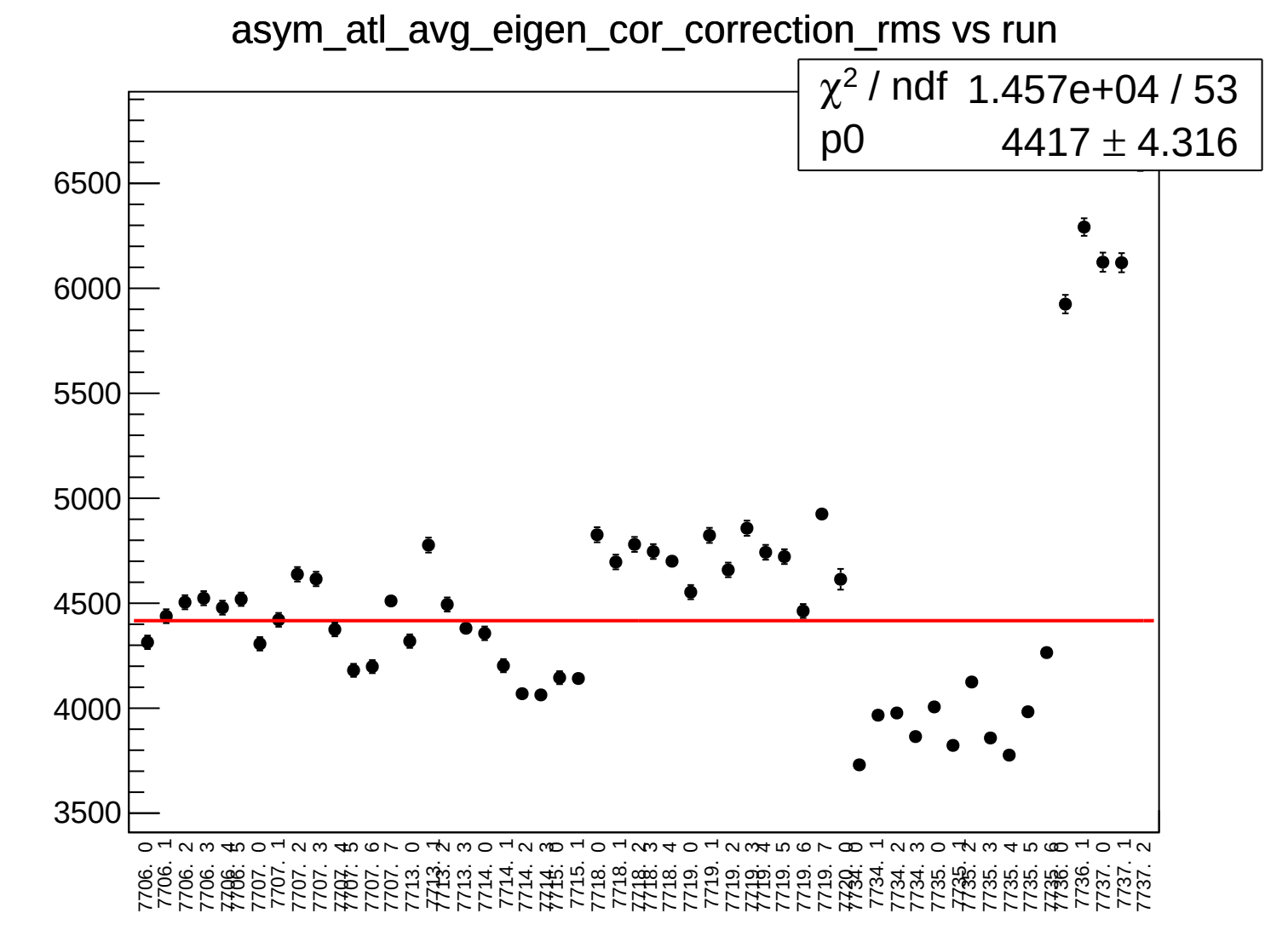

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 48.51 / 53
p0 595.6 ± 2250
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −380.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

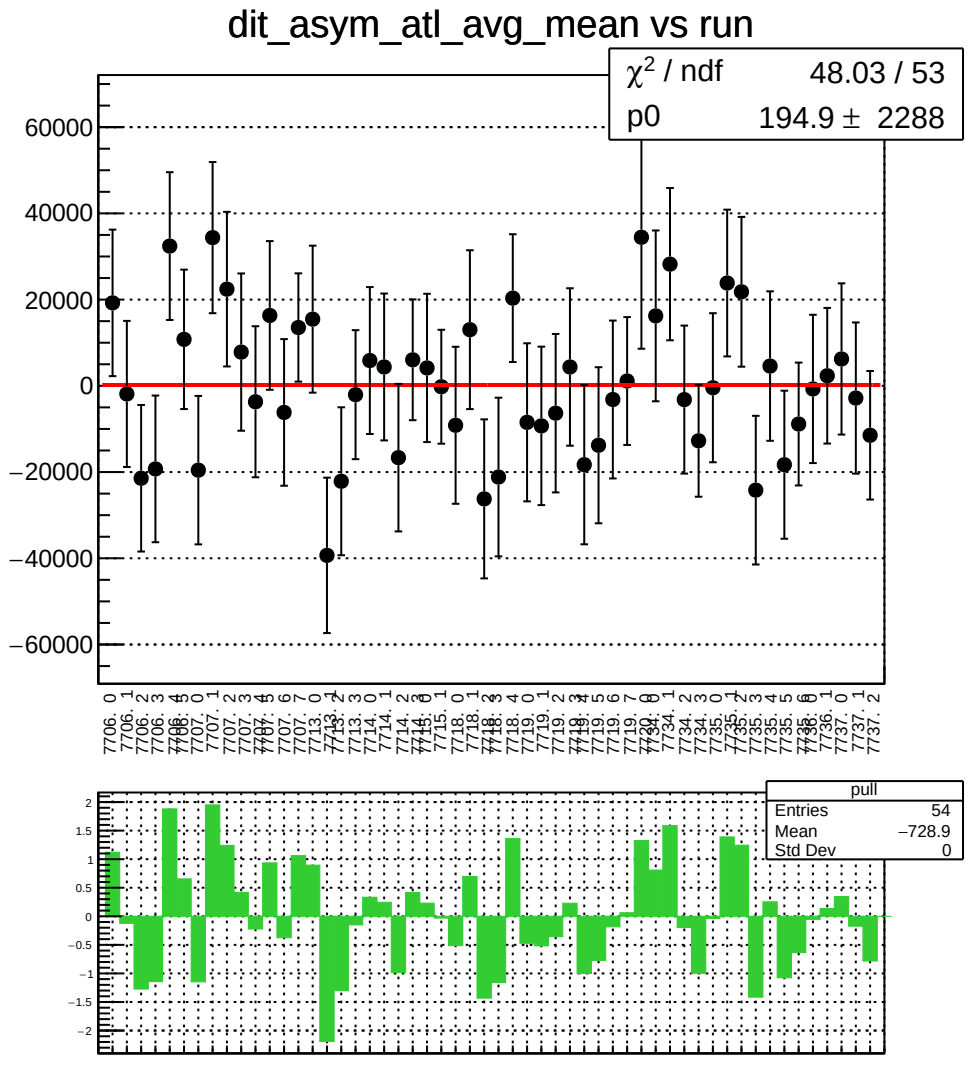

pull1D
Entries 54
Mean 0.003587
Std Dev 0.9478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

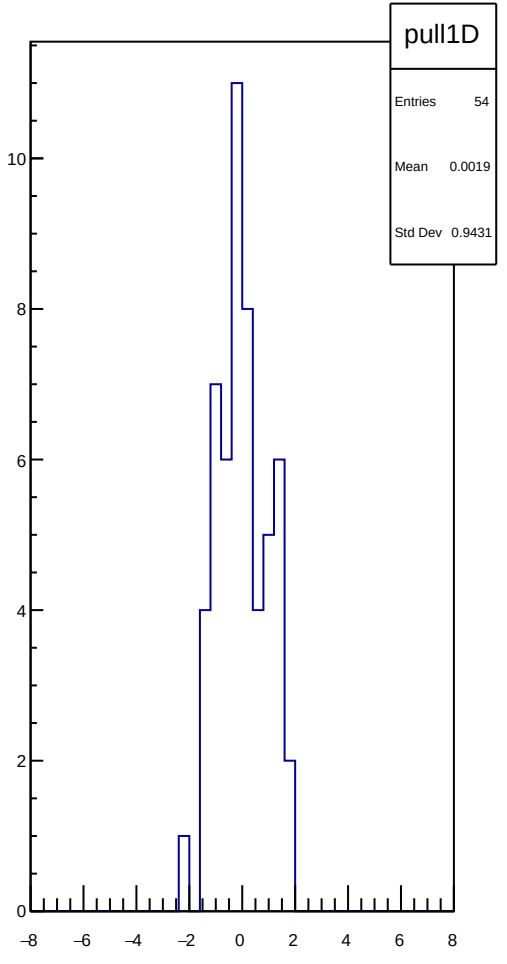

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 569.3 / 53
p0 1639 ± 1.591
1900
1850
1800
1750
1700
1650
1600

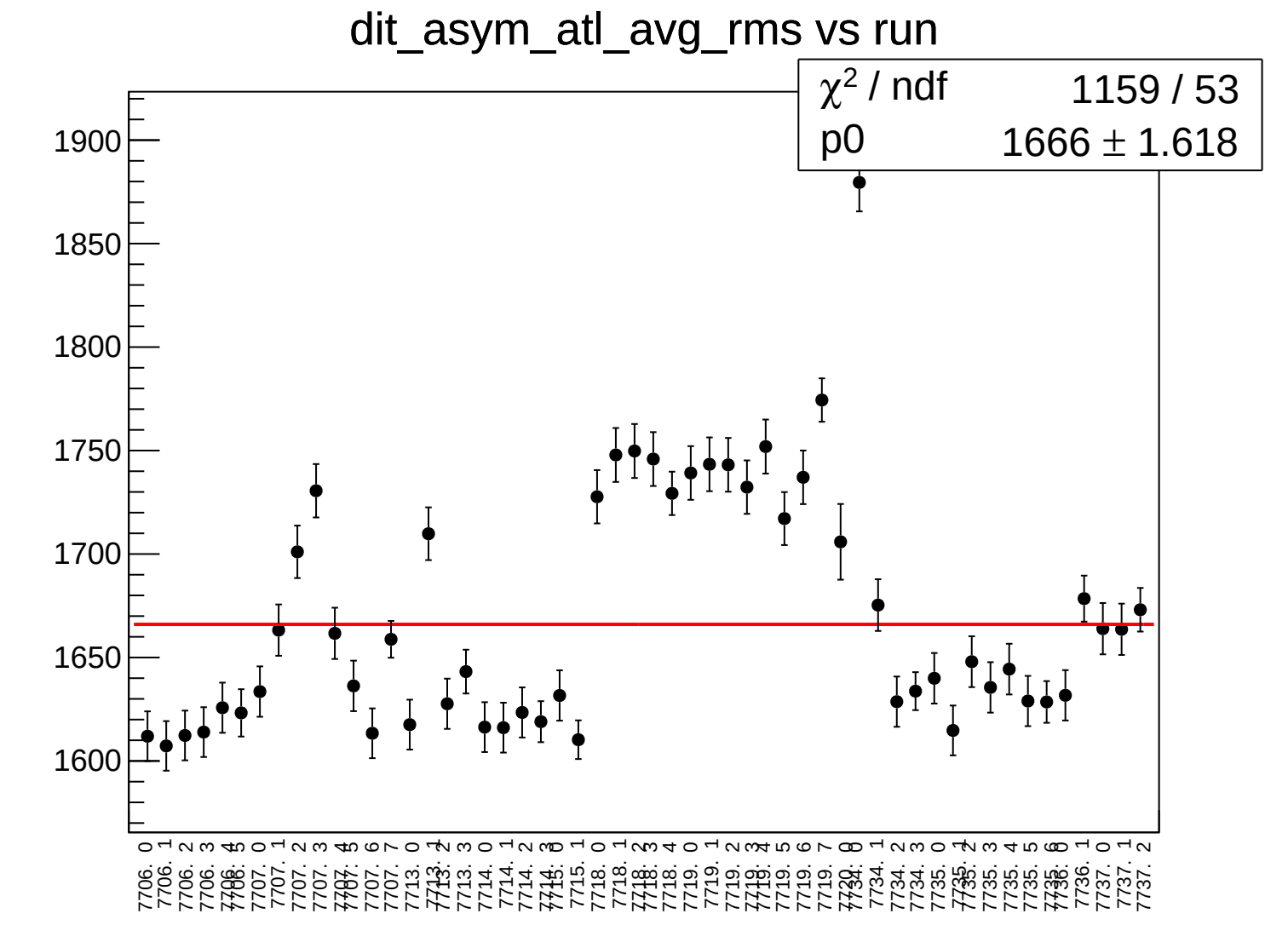

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.02 / 53
p0 473.3 ± 6104
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 160.4
Std Dev 0
2
1
0
−1
−2
−3

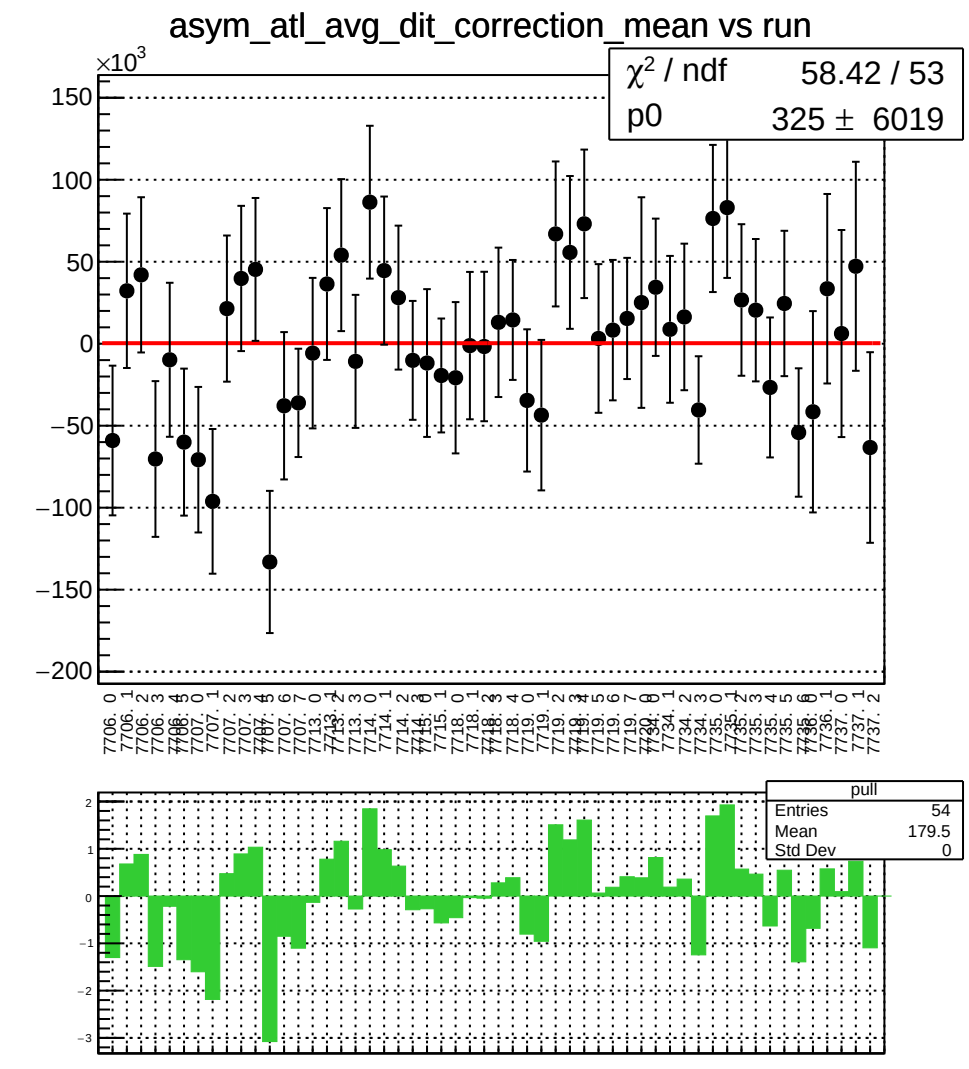

pull1D
Entries 54
Mean 0.0275
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

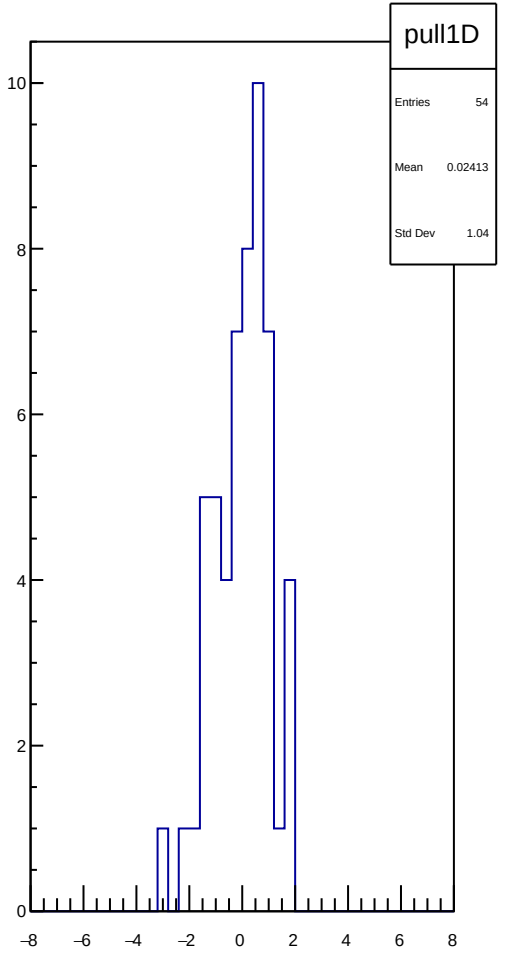

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.457e+04 / 53
p0 4417 ± 4.316
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

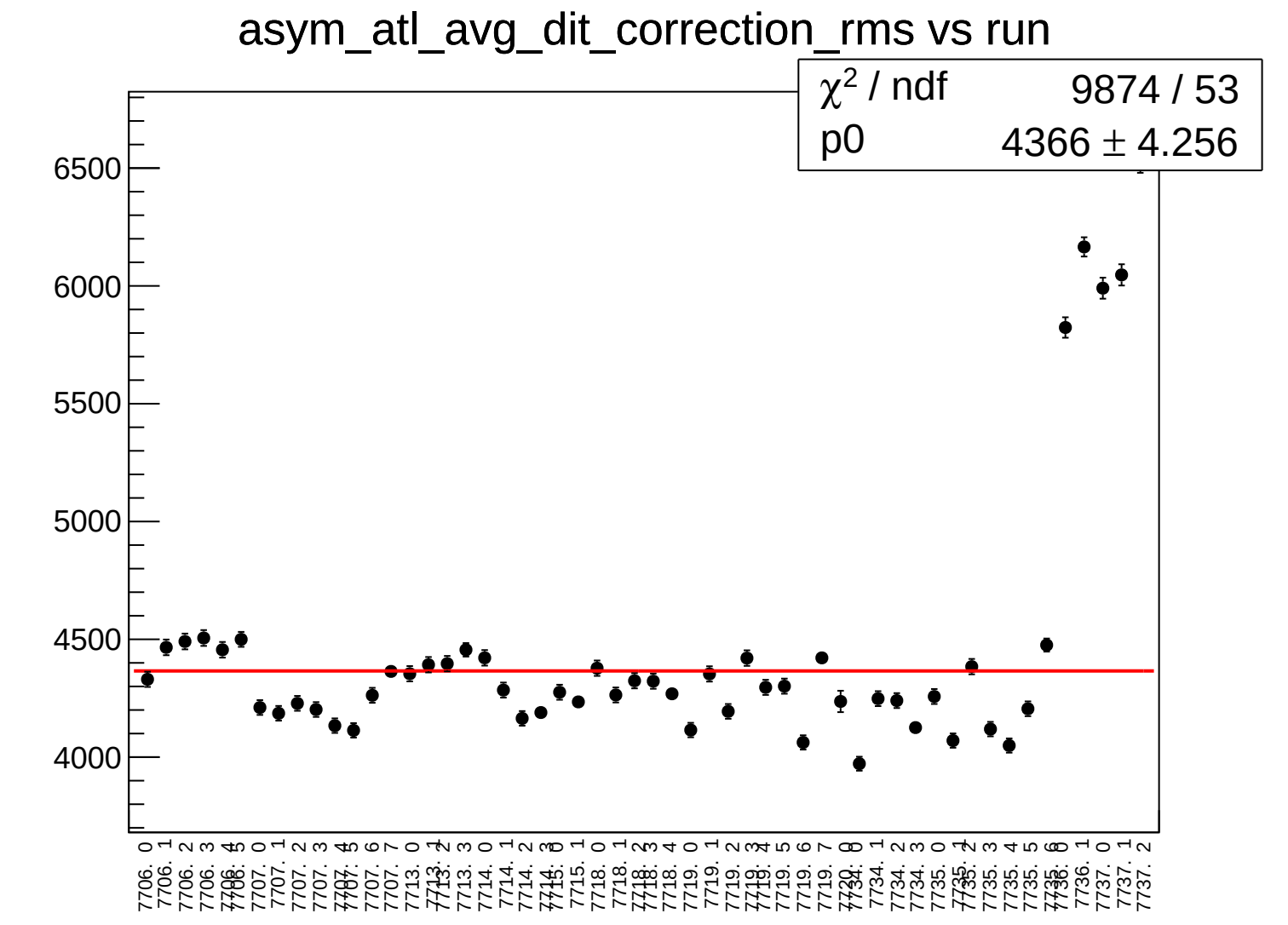

dit_asym_atl_avg_mean vs run
χ² / ndf 48.03 / 53
p0 194.9 ± 2288
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −728.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

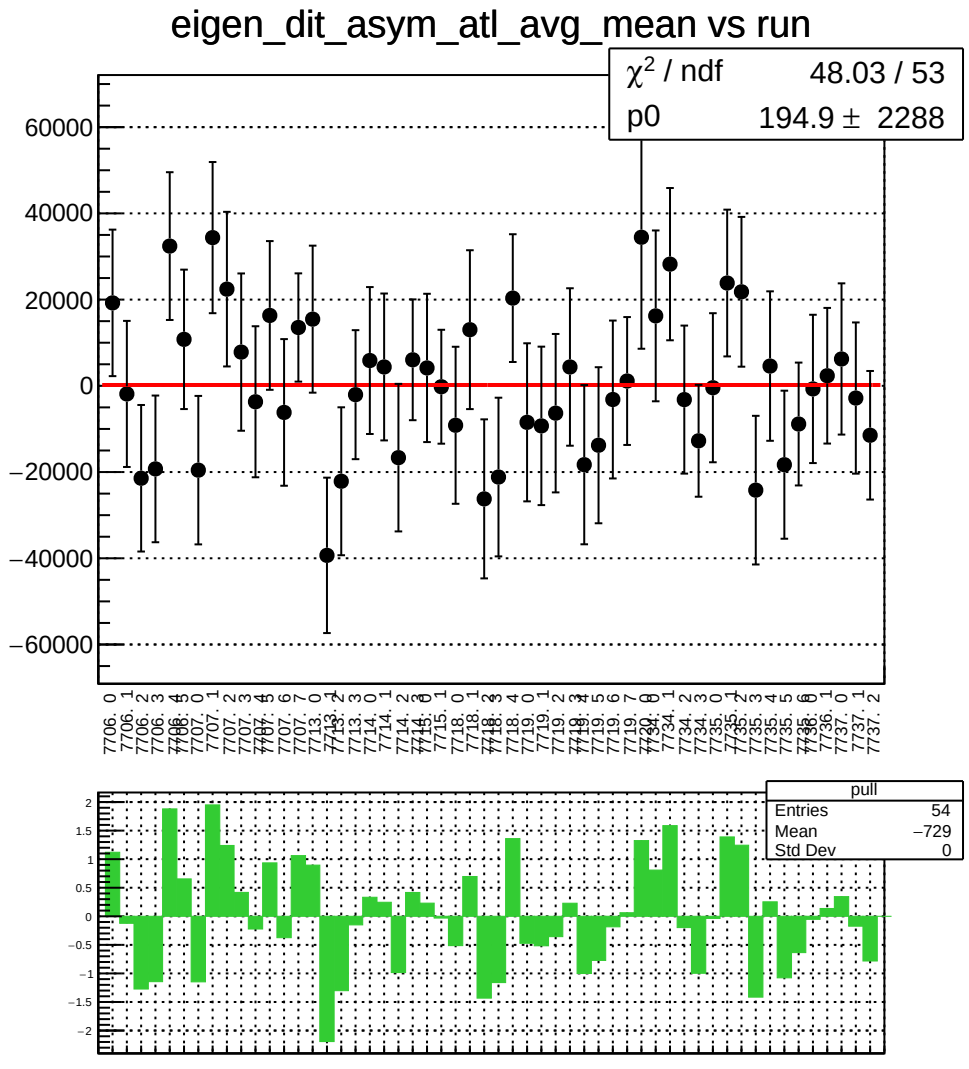

pull1D
Entries 54
Mean 0.0019
Std Dev 0.9431
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

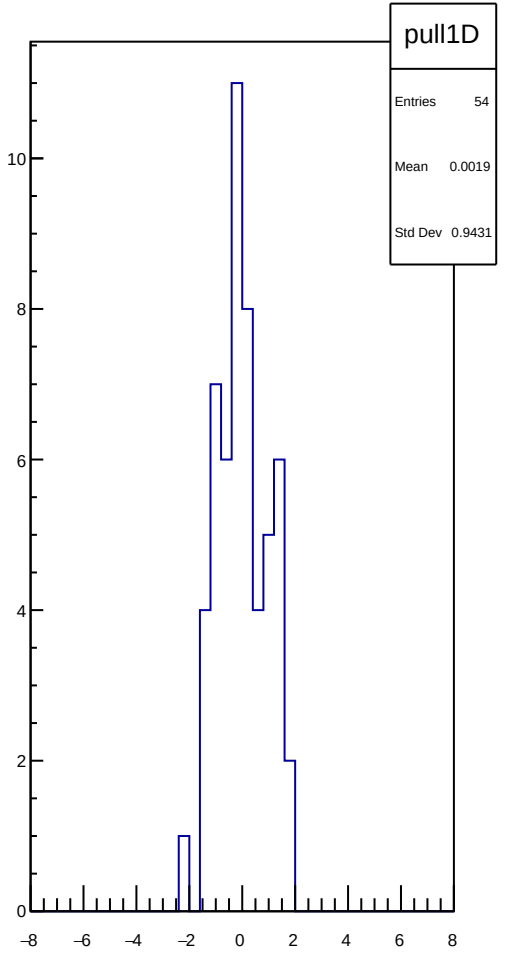

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1159 / 53
p0 1666 ± 1.618
1900
1850
1800
1750
1700
1650
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

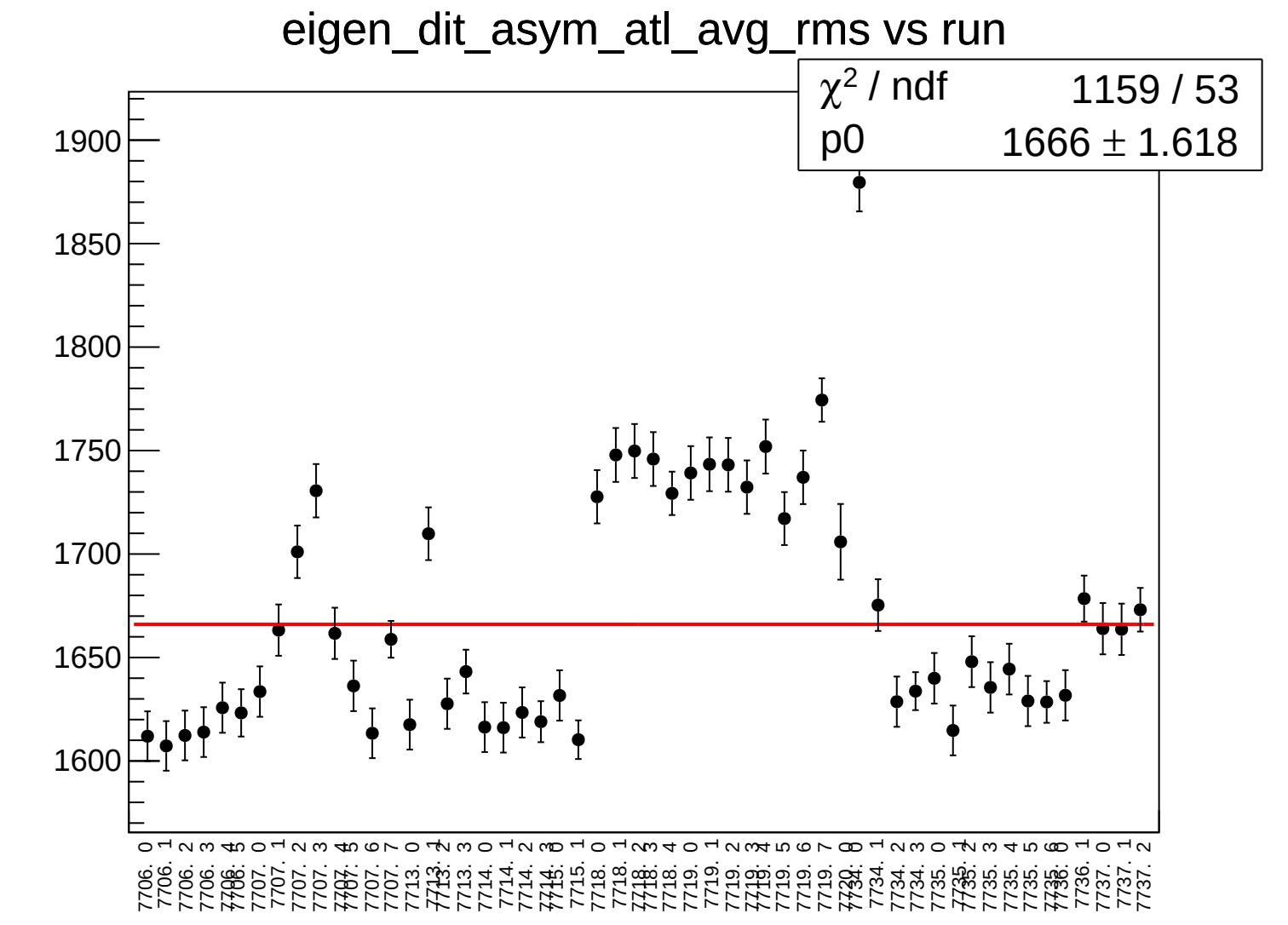

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.42 / 53
p0 325 ± 6019
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 179.5
Std Dev 0
2
1
0
−1
−2
−3

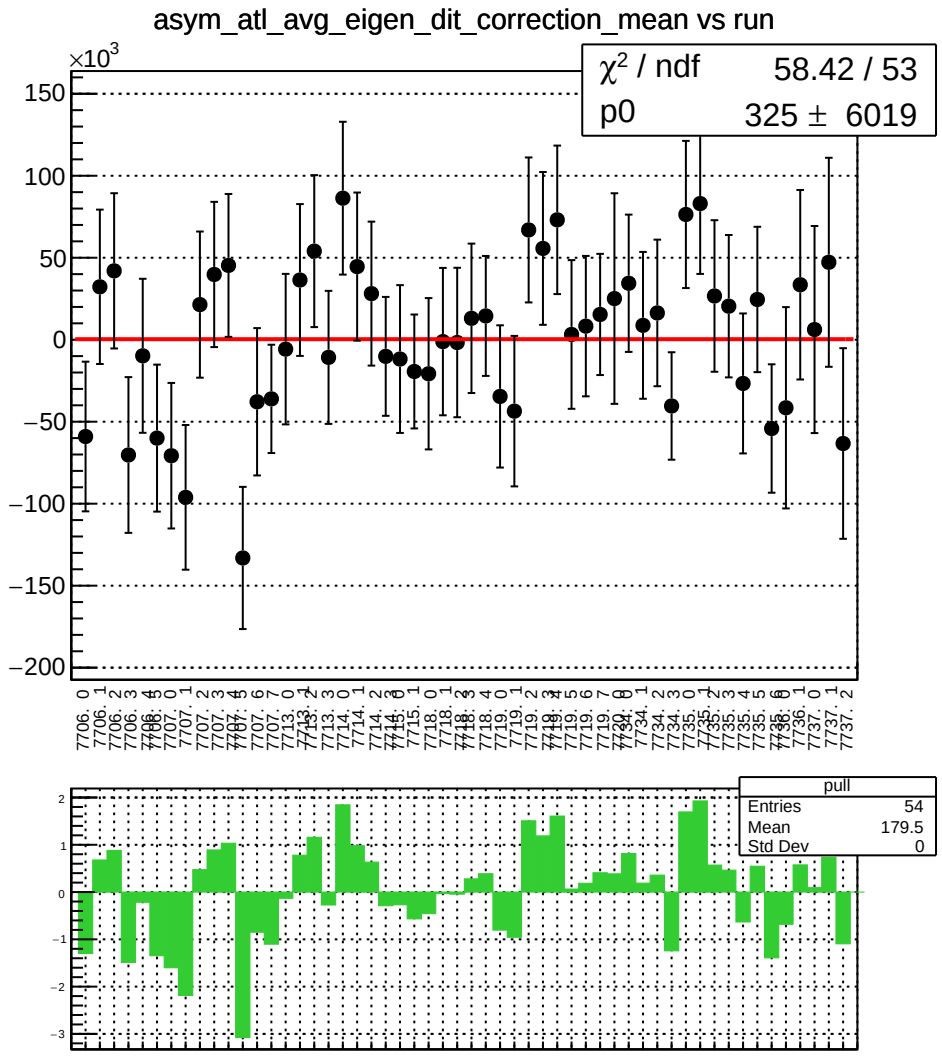

pull1D
Entries 54
Mean 0.02413
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

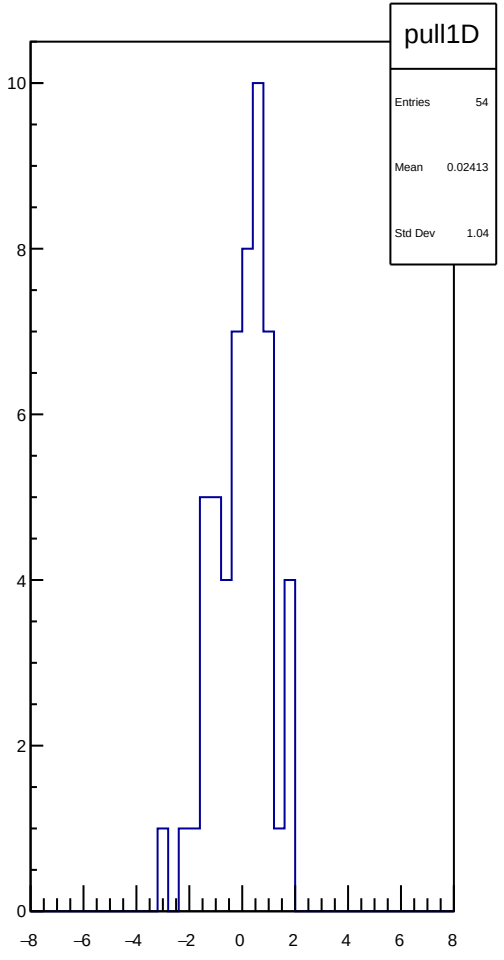

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 9874 / 53
p0 4366 ± 4.256
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

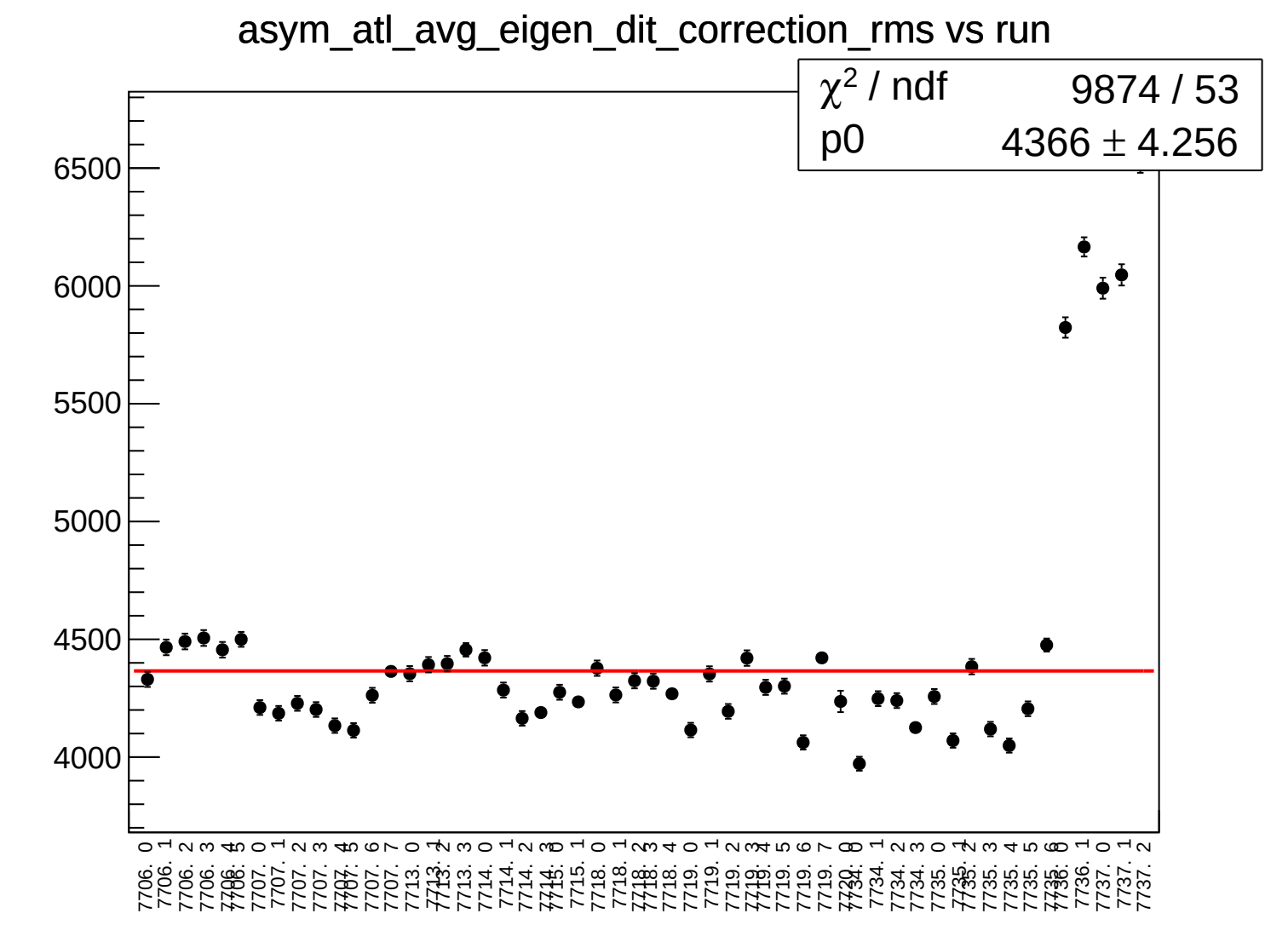

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 48.03 / 53
p0 194.9 ± 2288
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −729
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

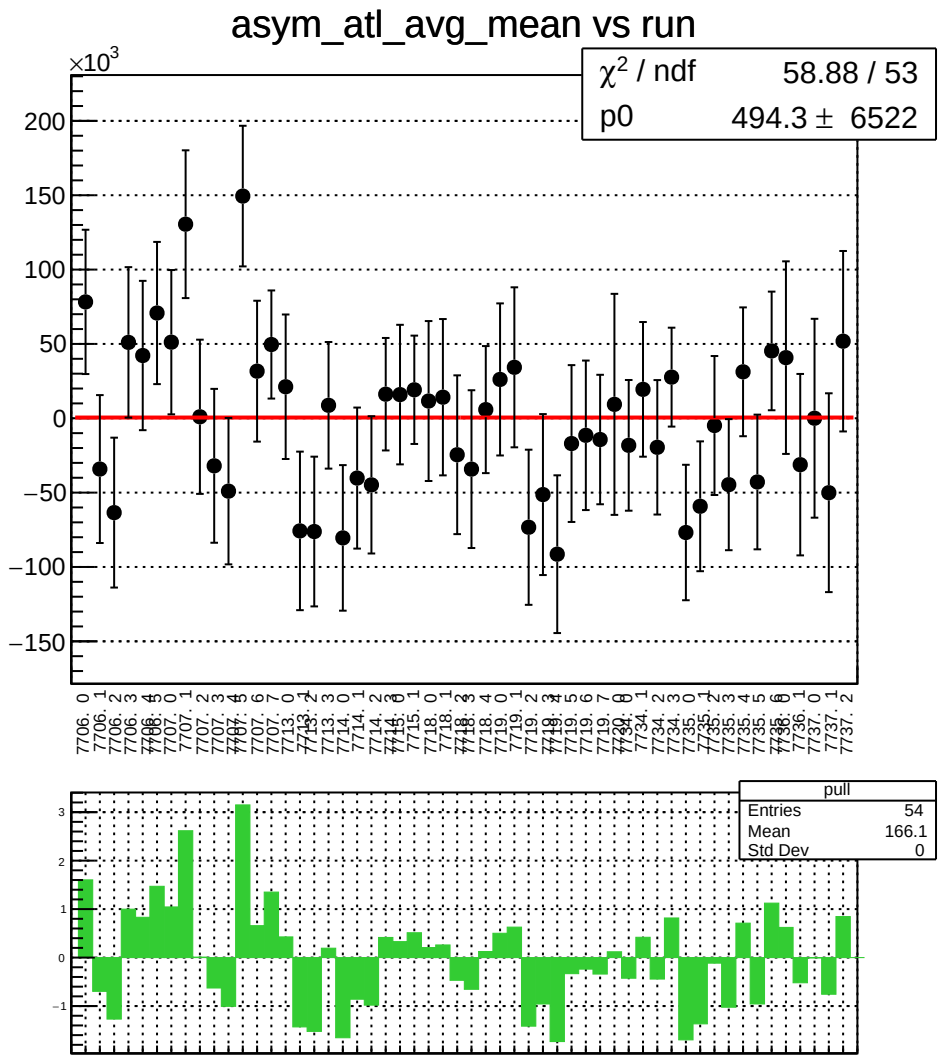

pull1D
Entries 54
Mean 0.0019
Std Dev 0.9431
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

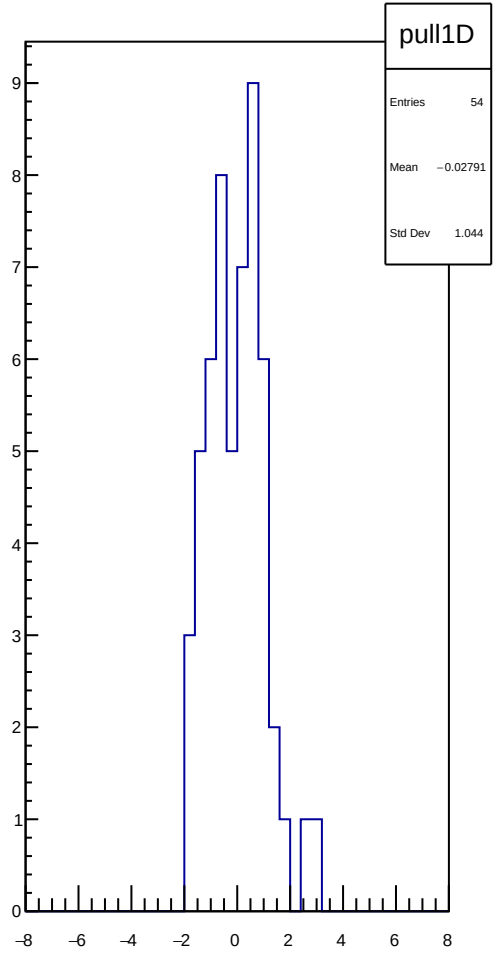

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 1159 / 53
p0 1666 ± 1.618
1900
1850
1800
1750
1700
1650
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

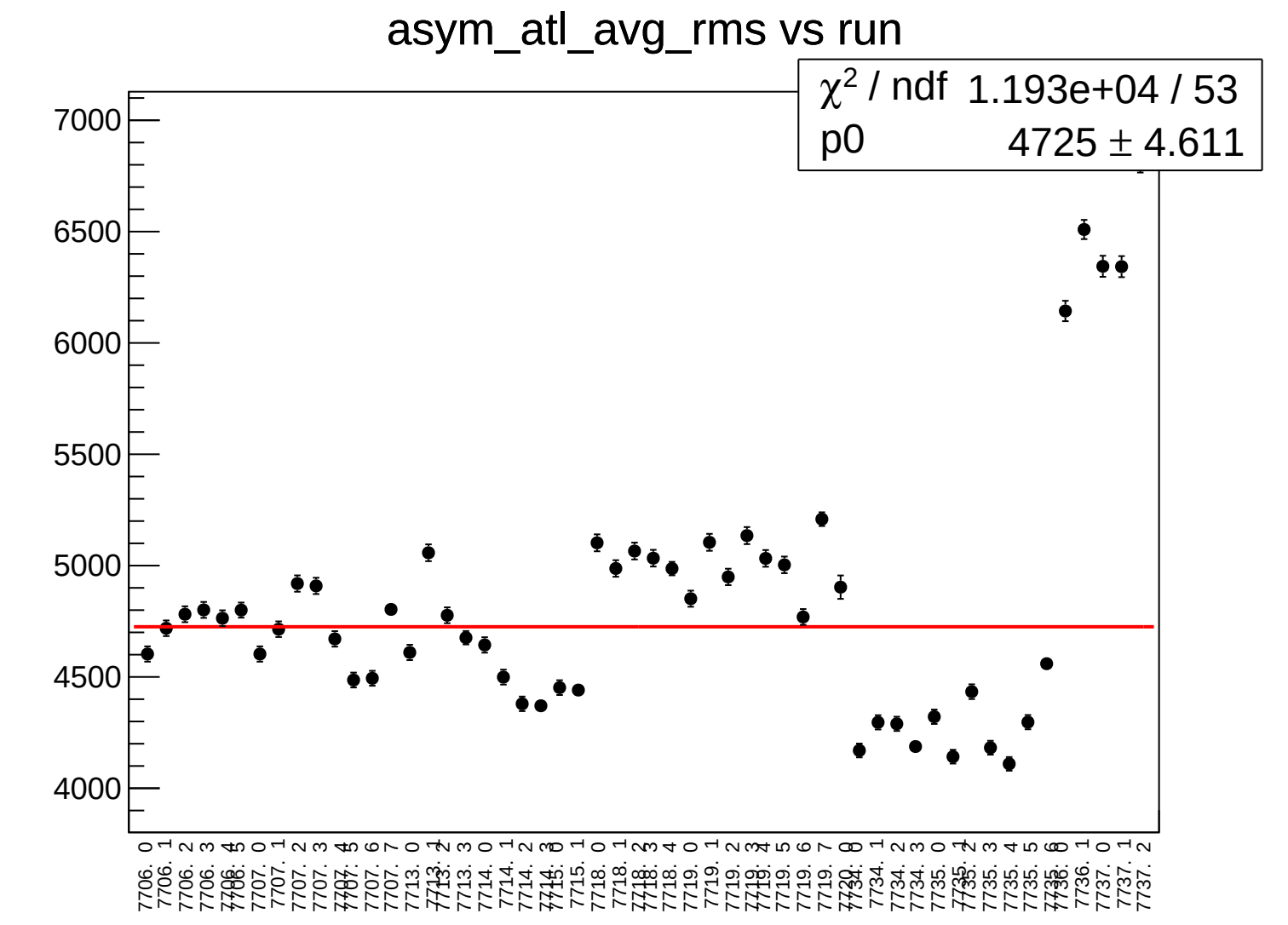

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.42 / 53
p0 325 ± 6019
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 179.5
Std Dev 0
2
1
0
−1
−2
−3

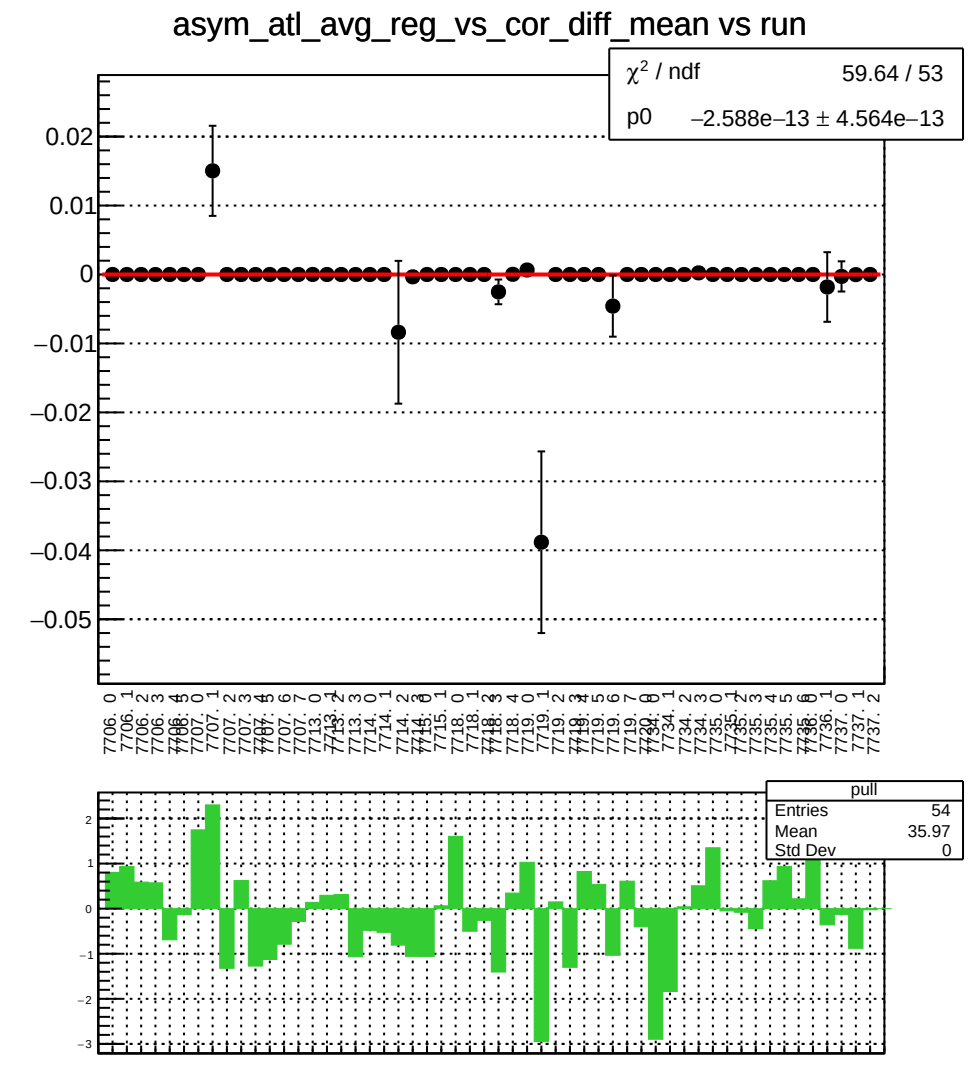

pull1D
Entries 54
Mean 0.02413
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

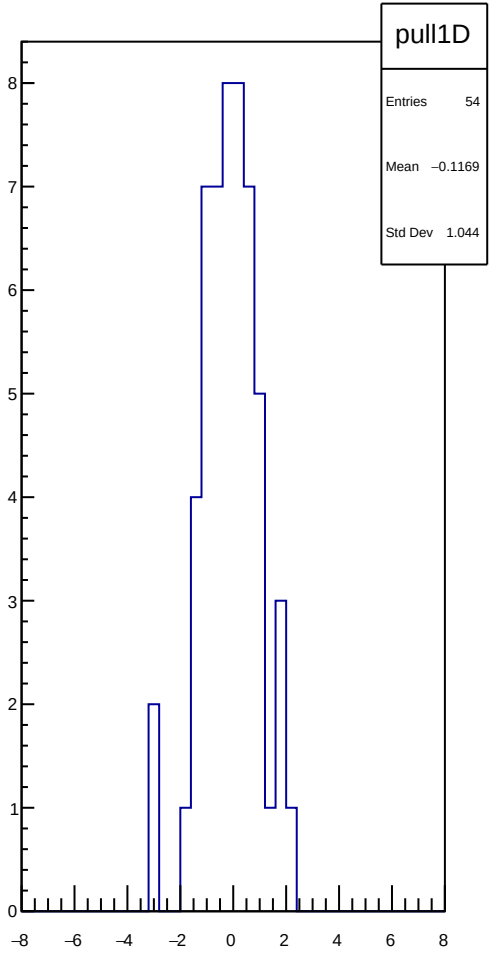

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 9874 / 53
p0 4366 ± 4.256
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

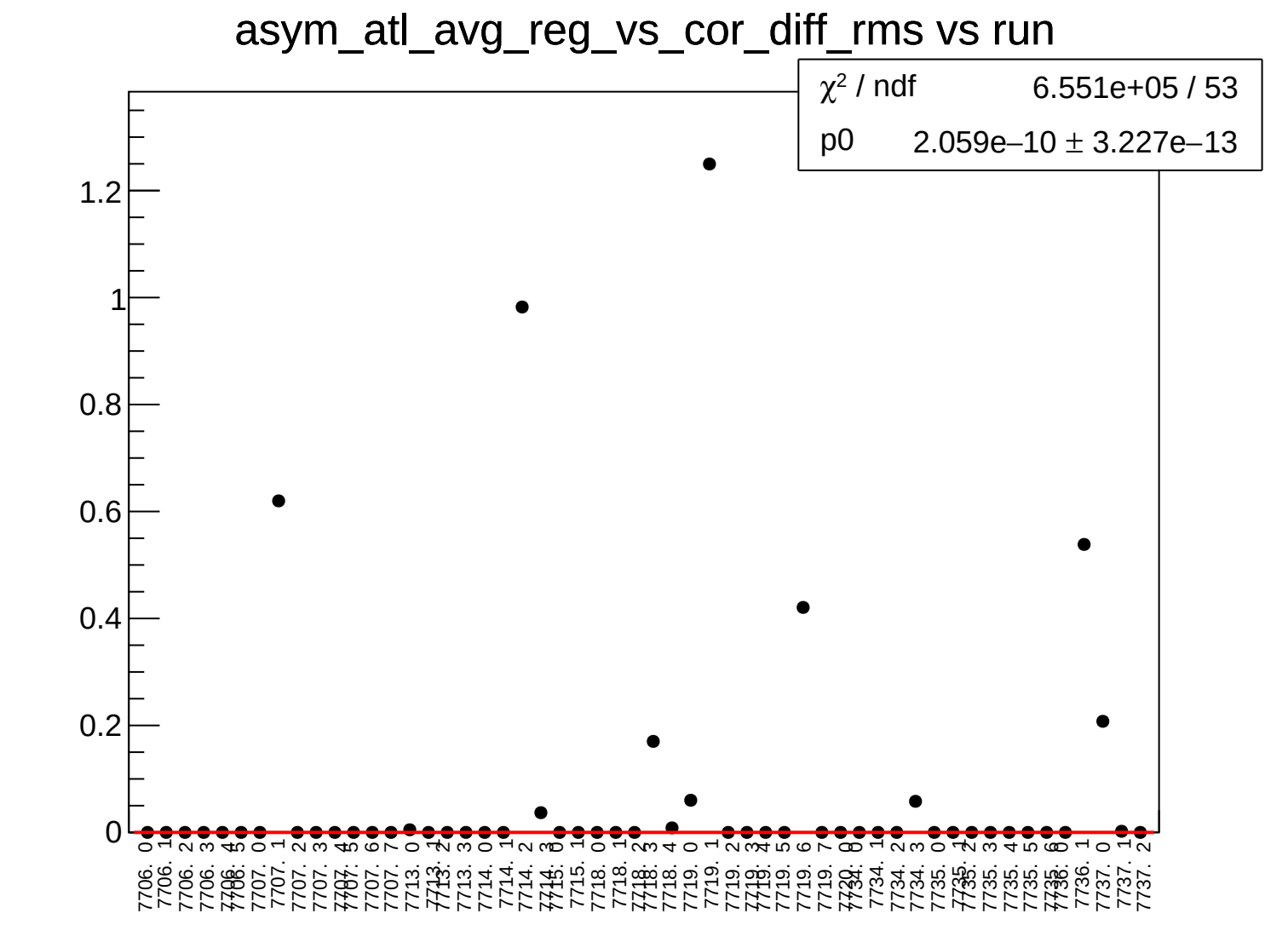

asym_atl_avg_mean vs run
×10^3
χ² / ndf 58.88 / 53
p0 494.3 ± 6522
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 166.1
Std Dev 0
3
2
1
0
−1

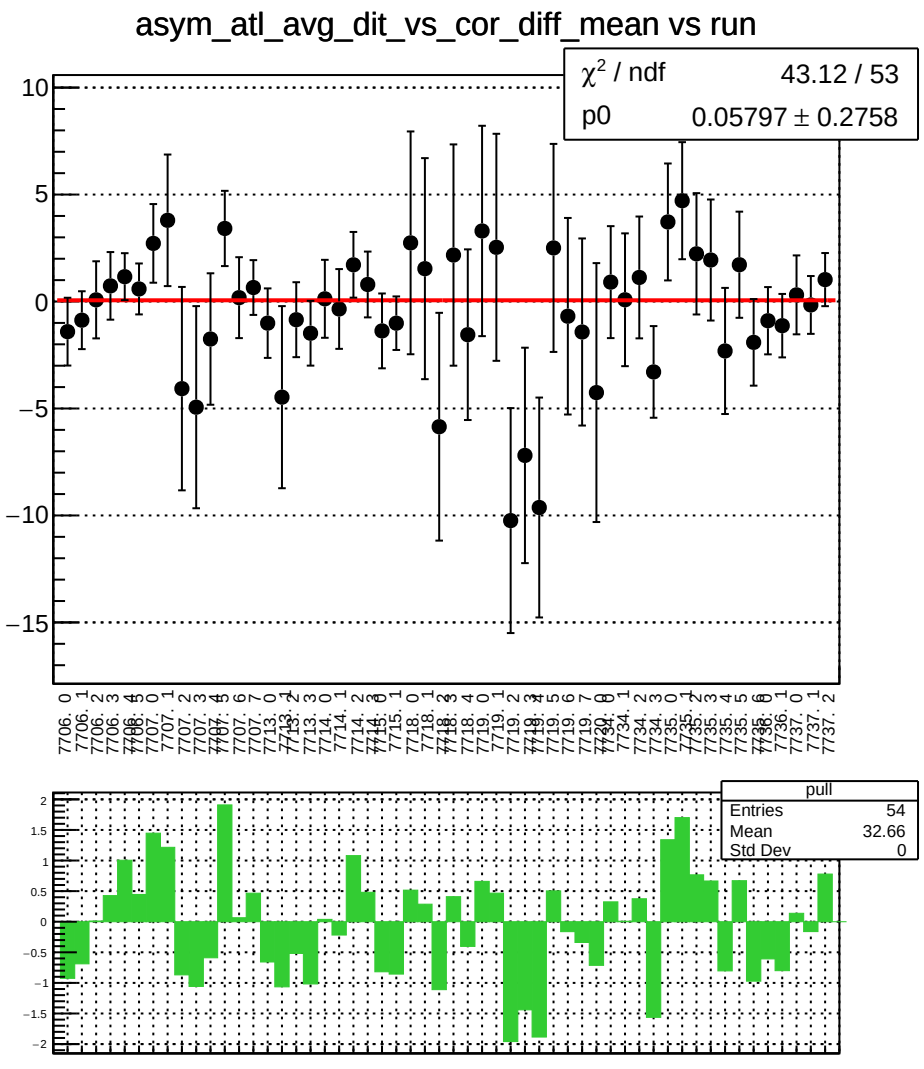

pull1D
Entries 54
Mean −0.02791
Std Dev 1.044
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

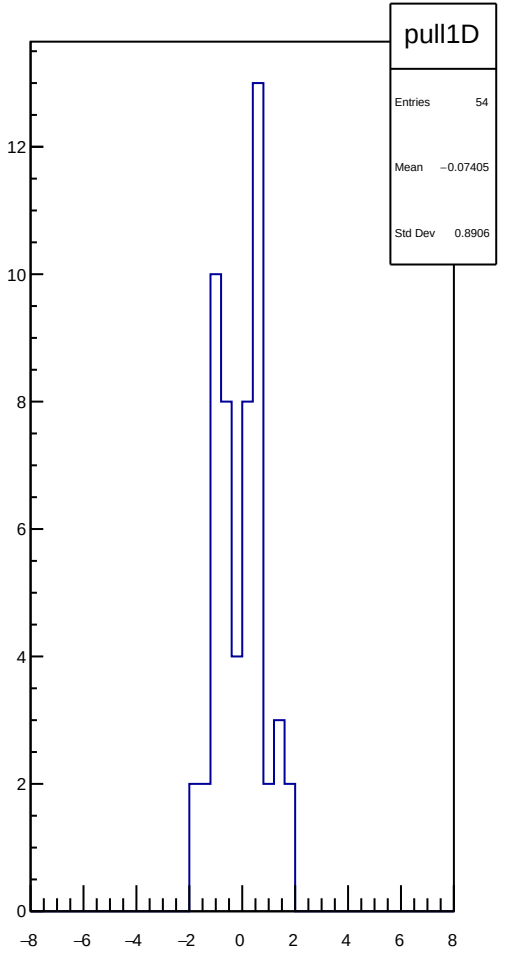

asym_atl_avg_rms vs run
χ² / ndf 1.193e+04 / 53
p0 4725 ± 4.611
7000
6500
6000
5500
5000
4500
4000

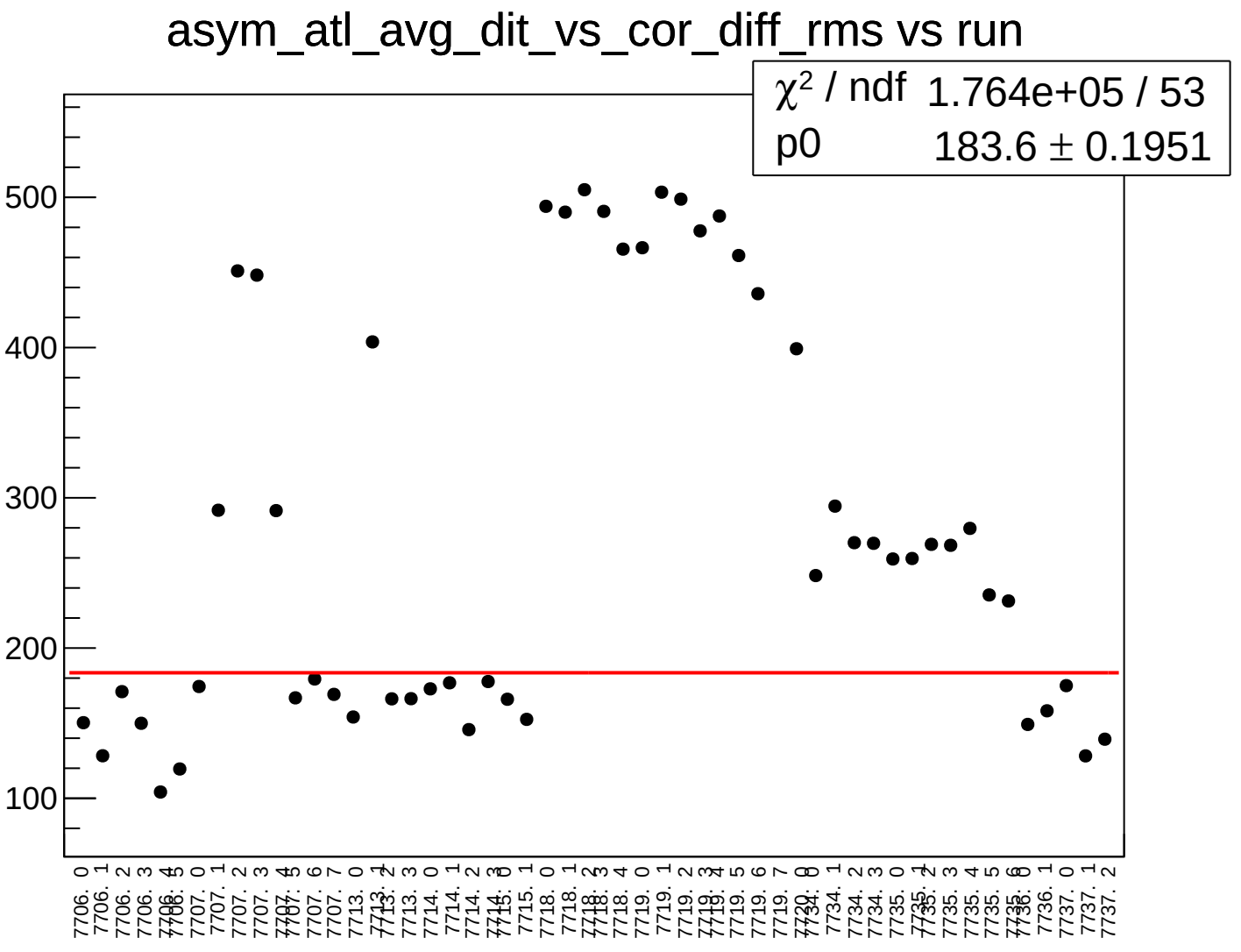

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.64 / 53
p0 −2.588e−13 ± 4.564e−13
pull
Entries 54
Mean 35.97
Std Dev 0

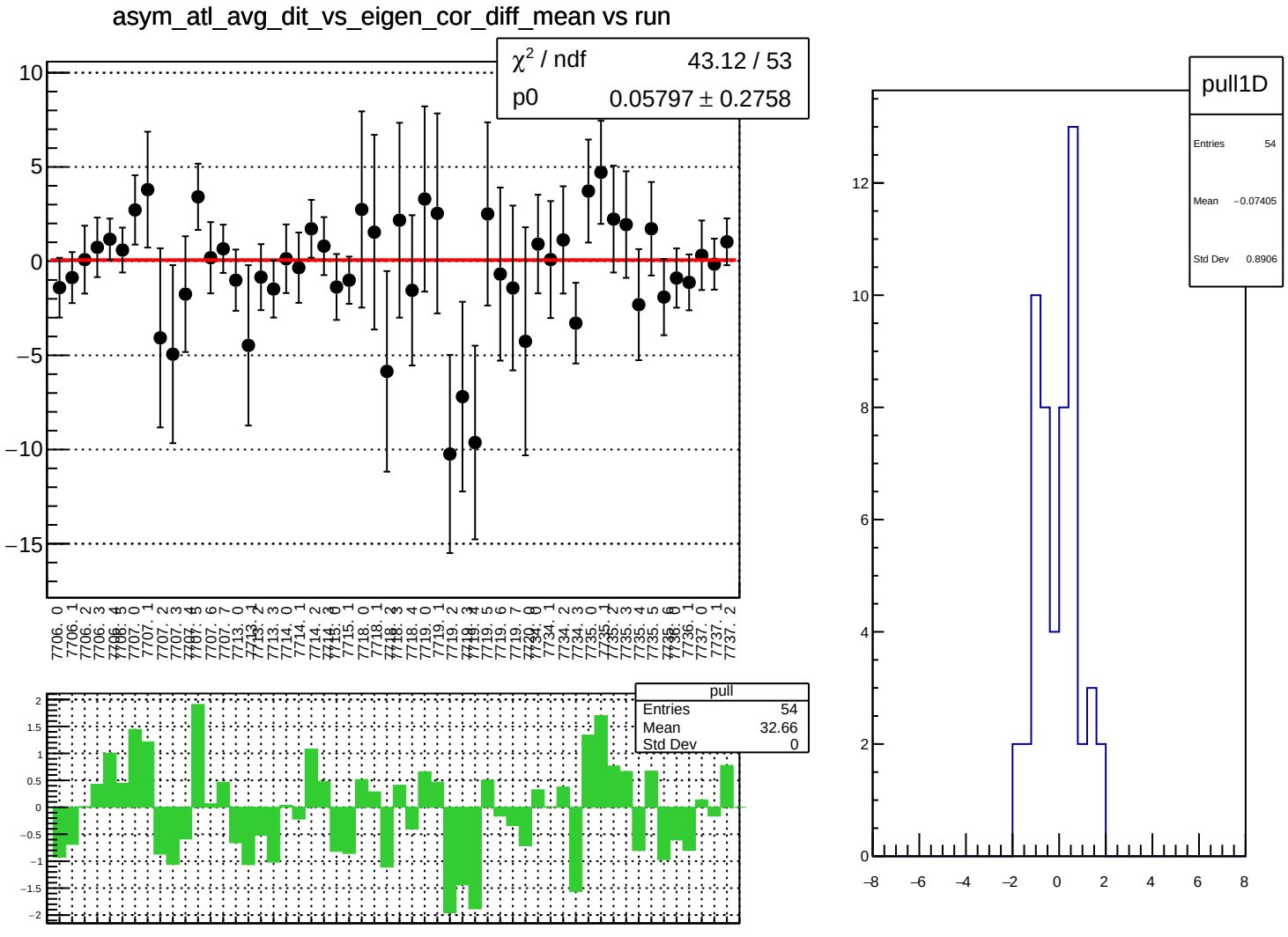

pull1D
Entries 54
Mean −0.1169
Std Dev 1.044

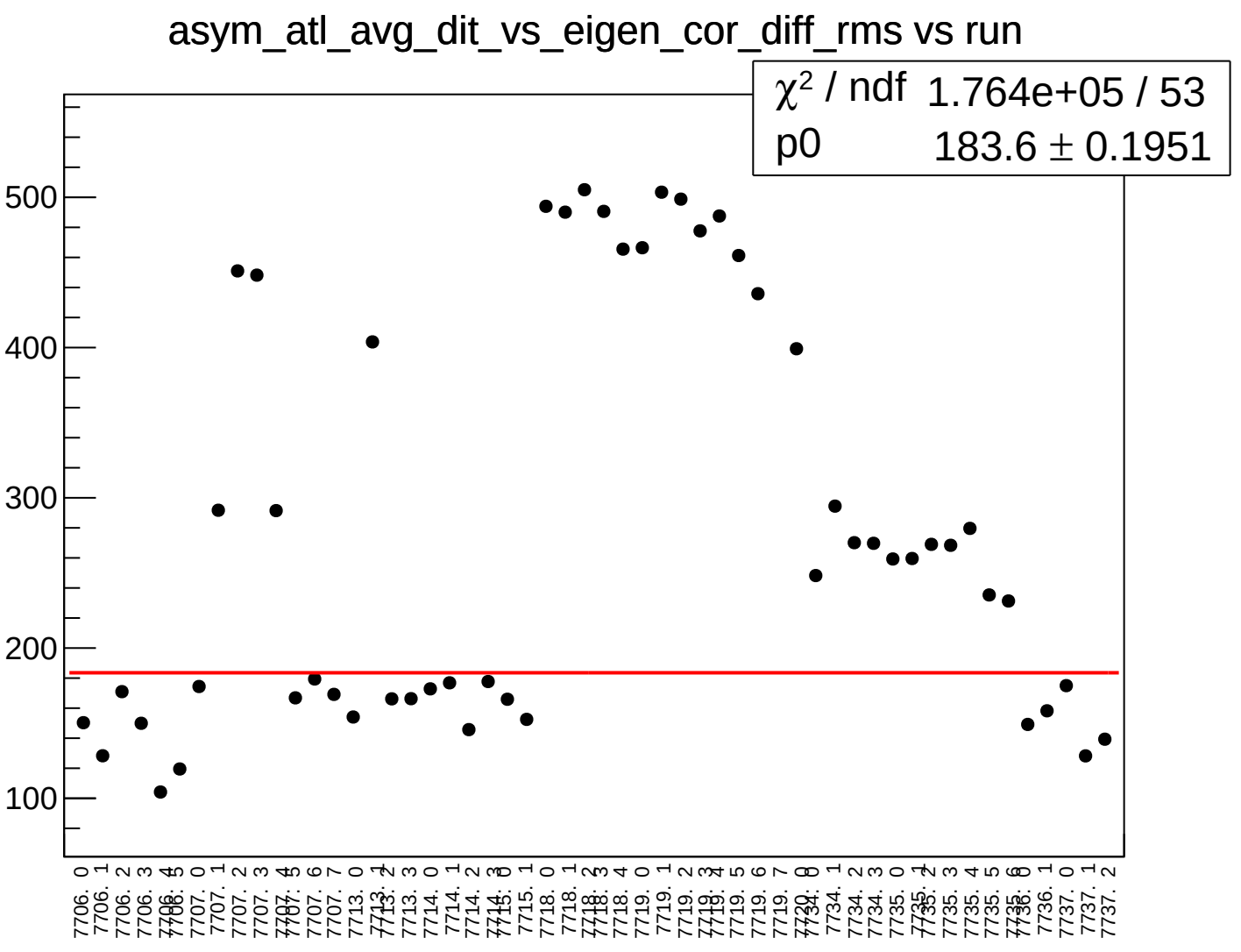

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.551e+05 / 53
p0 2.059e−10 ± 3.227e−13
1.2
1
0.8
0.6
0.4
0.2
0

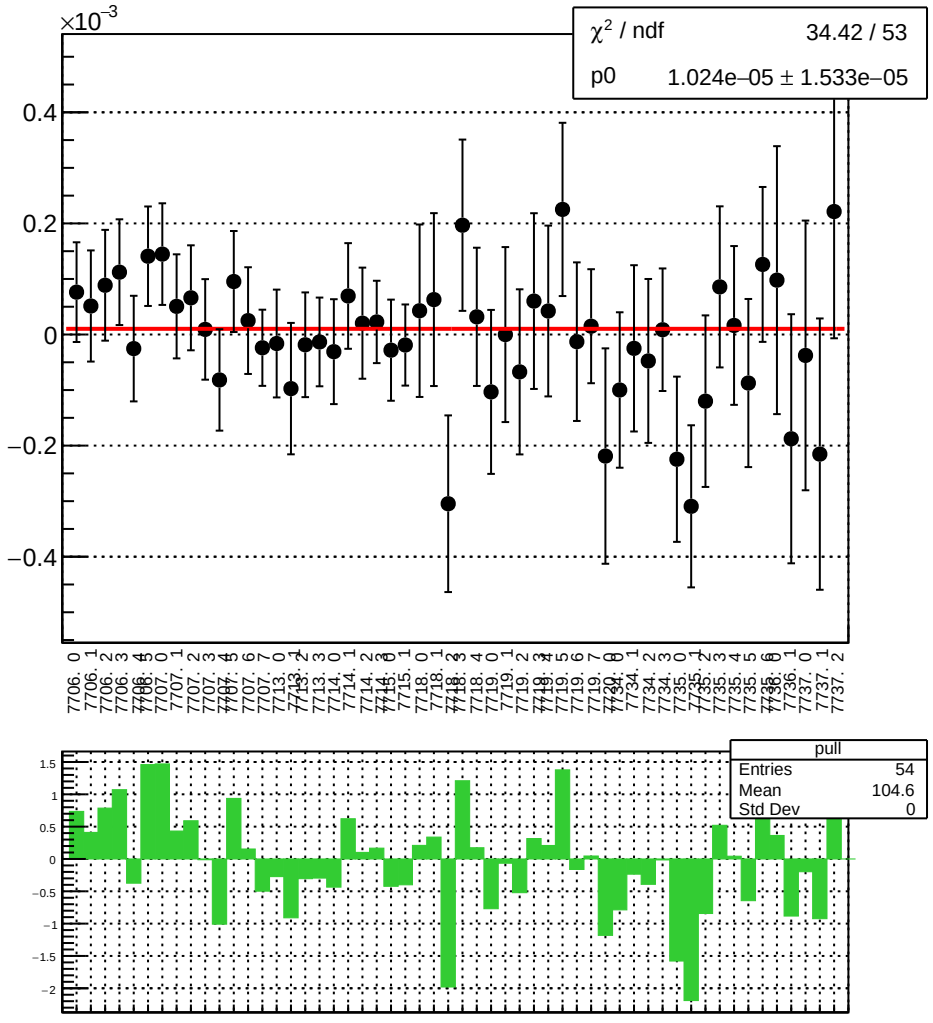

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.12 / 53
p0 0.05797 ± 0.2758
pull
Entries 54
Mean 32.66
Std Dev 0

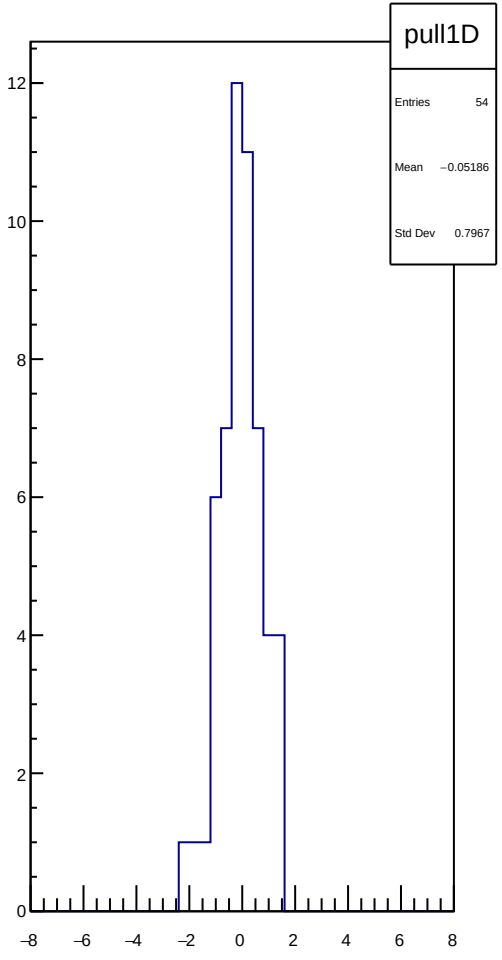

pull1D
Entries 54
Mean −0.07405
Std Dev 0.8906

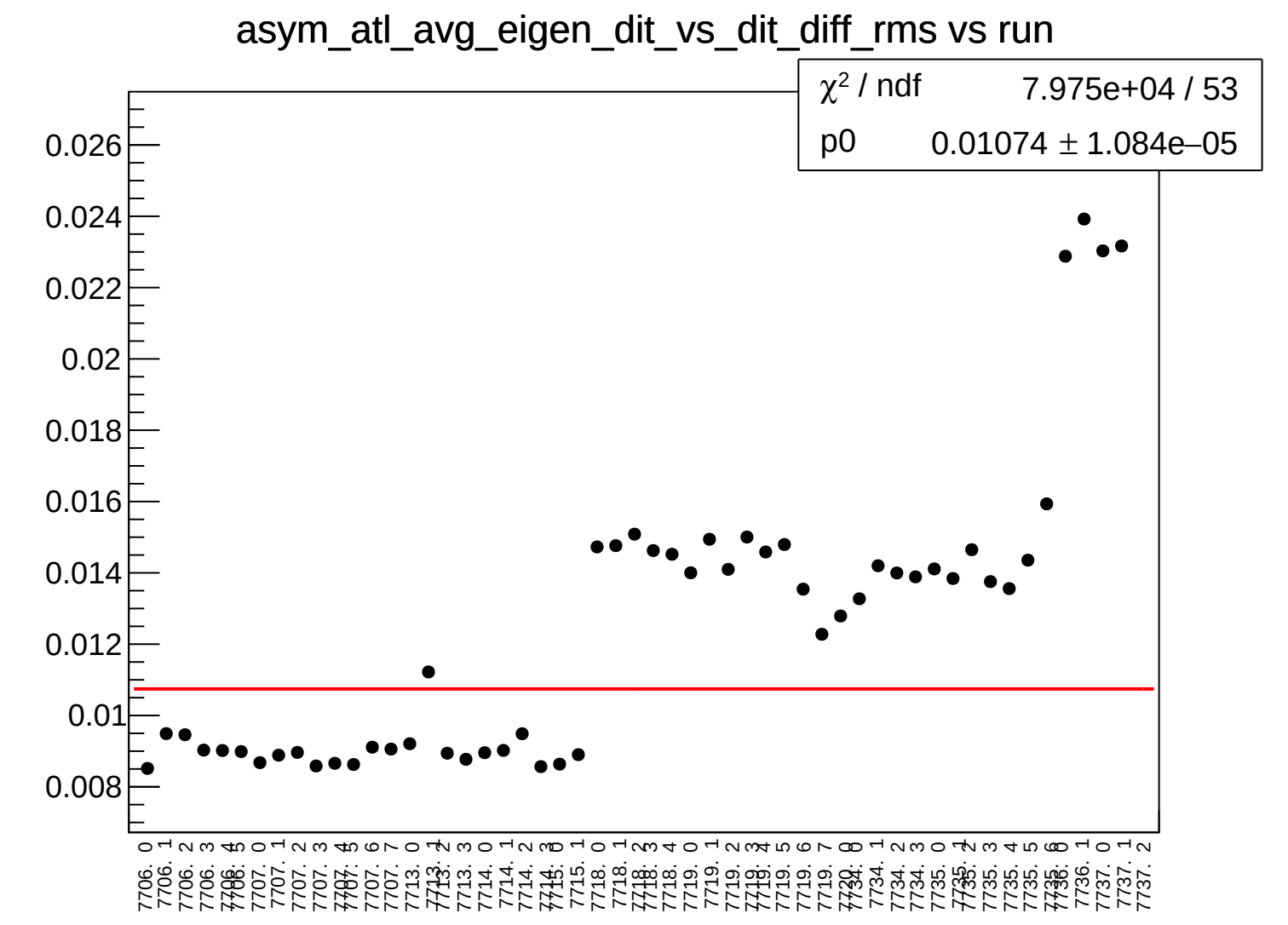

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.764e+05 / 53
p0 183.6 ± 0.1951
500
400
300
200
100

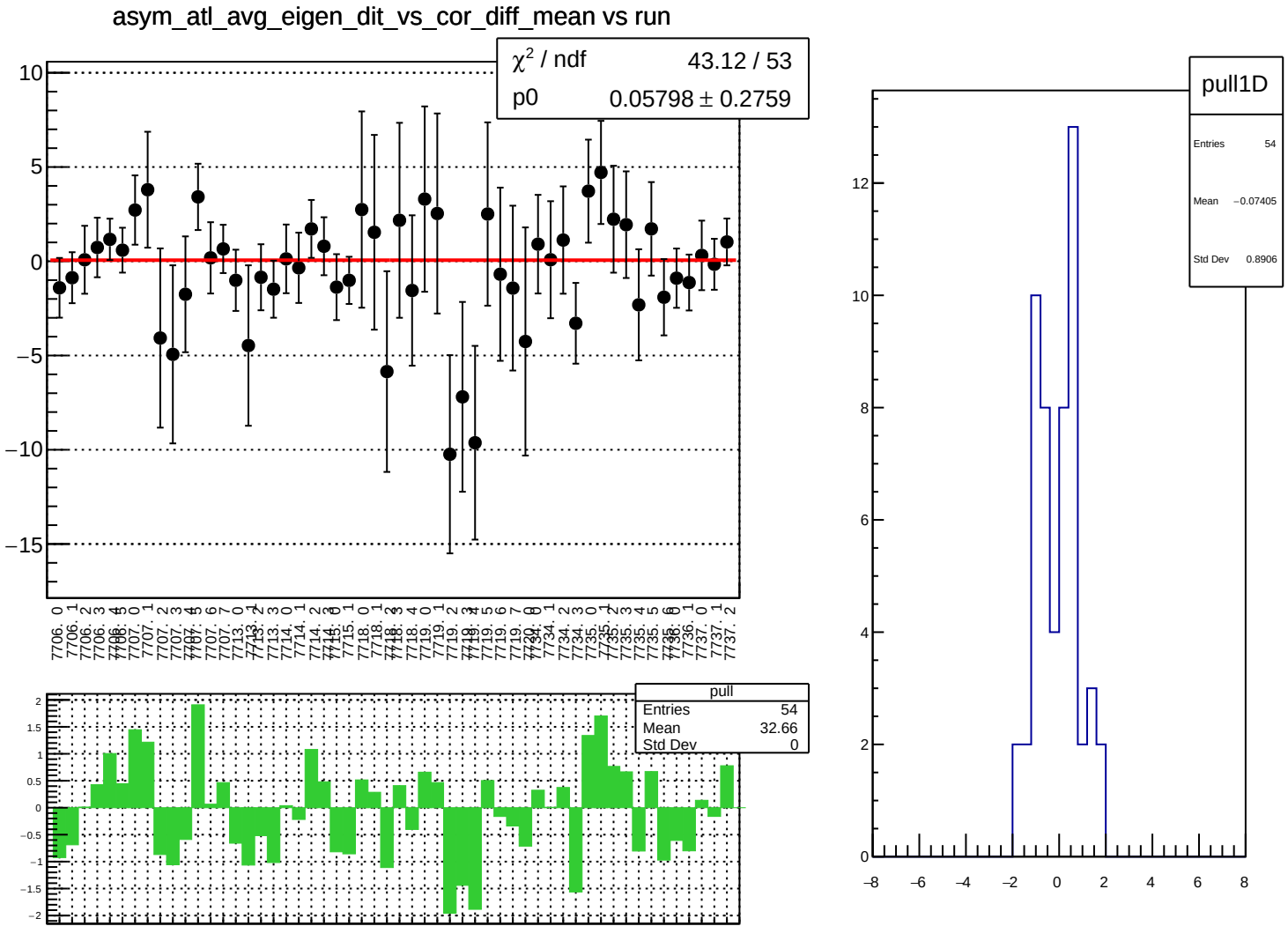

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.12 / 53
p0 0.05797 ± 0.2758
pull
Entries 54
Mean 32.66
Std Dev 0
pull1D
Entries 54
Mean −0.07405
Std Dev 0.8906

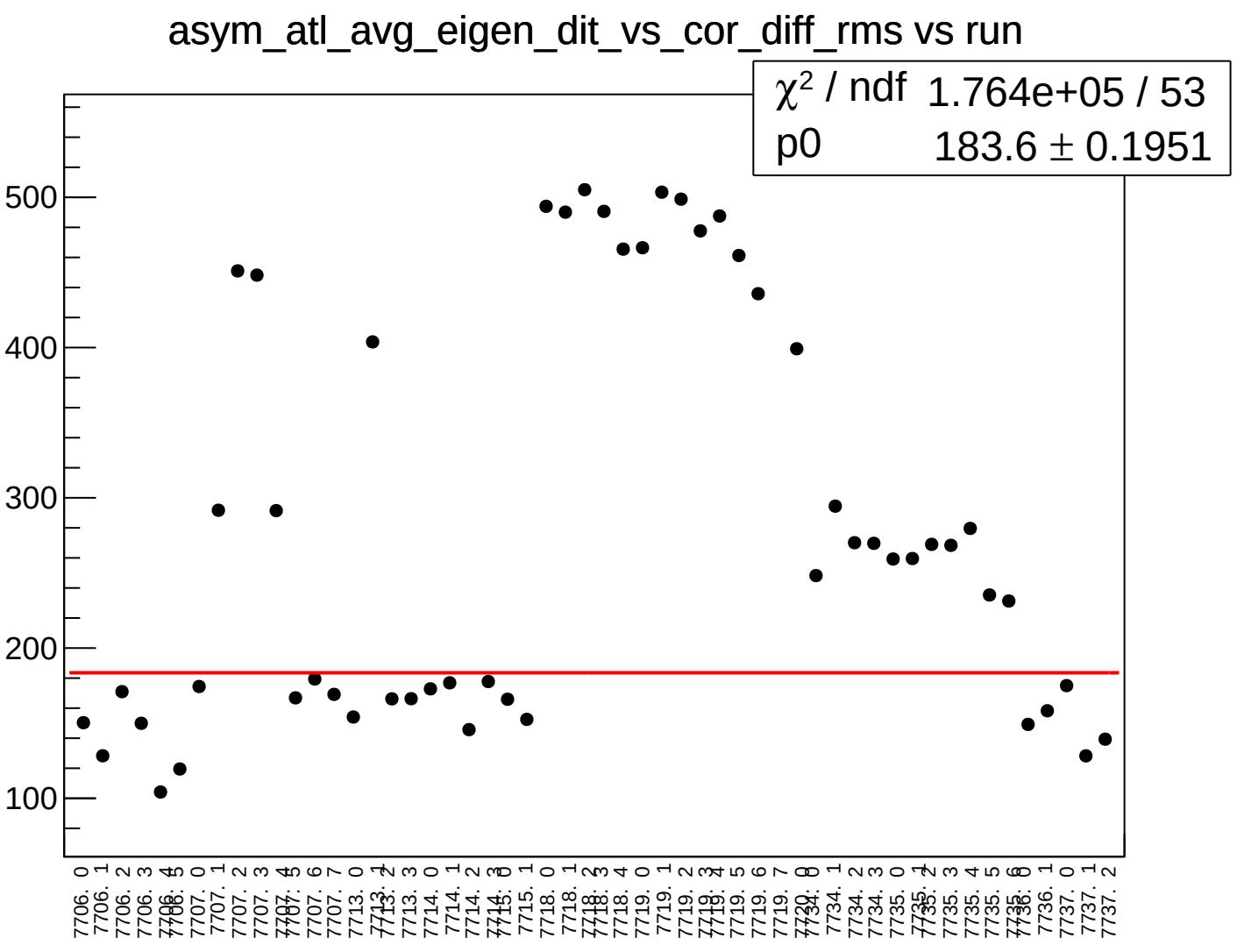

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.764e+05 / 53
p0 183.6 ± 0.1951
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

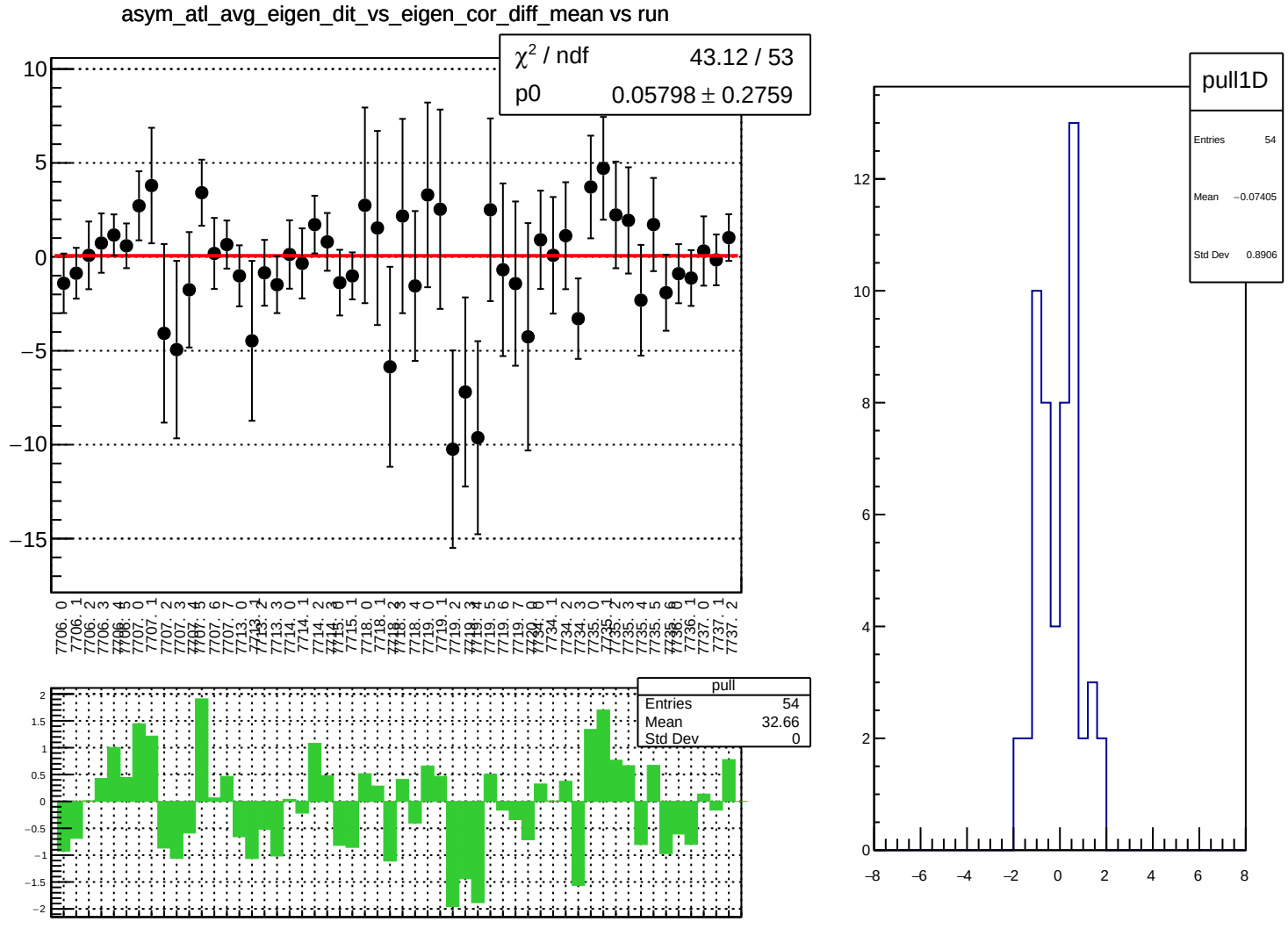

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.42 / 53
p0 1.024e−05 ± 1.533e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 104.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

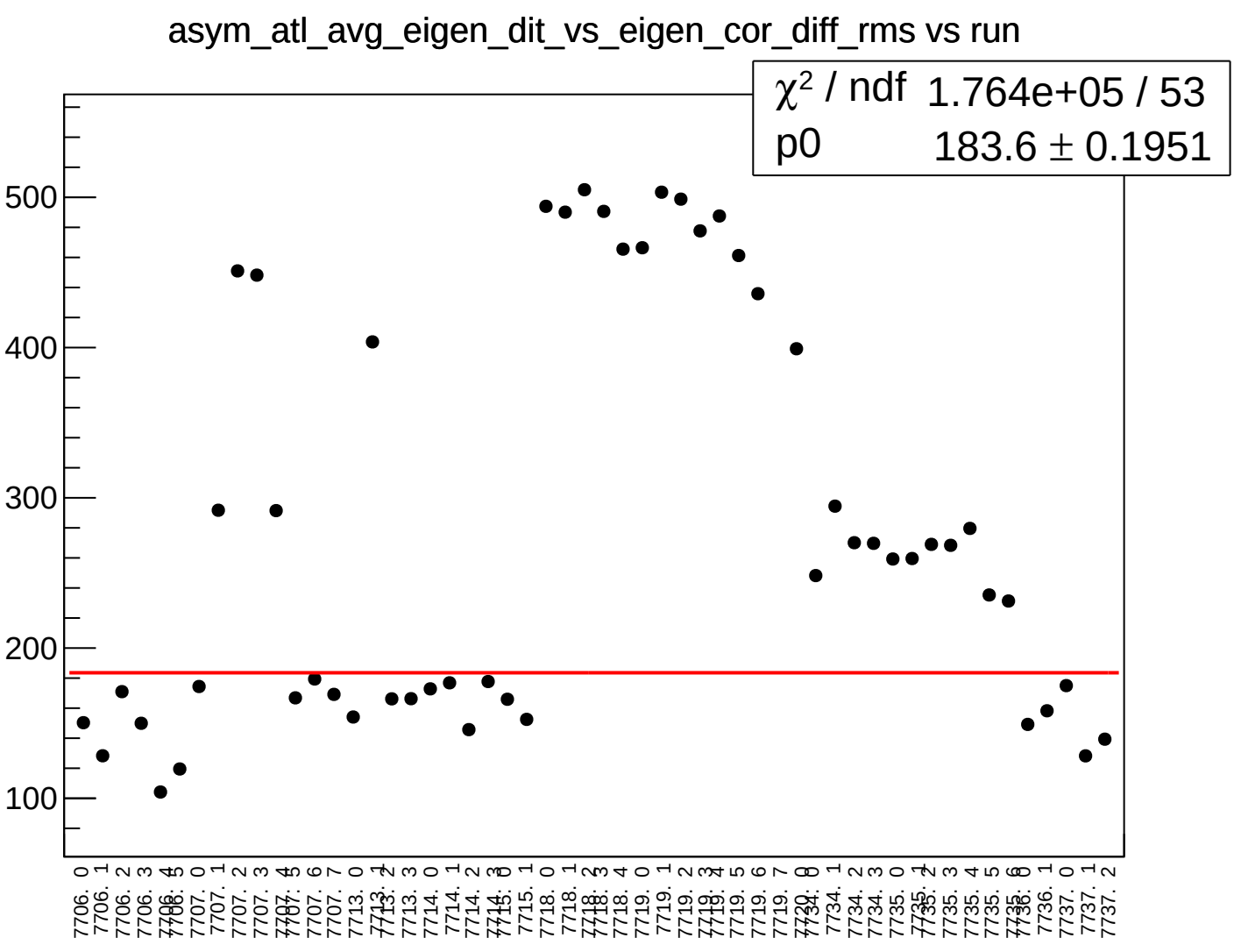

pull1D
Entries 54
Mean −0.05186
Std Dev 0.7967
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

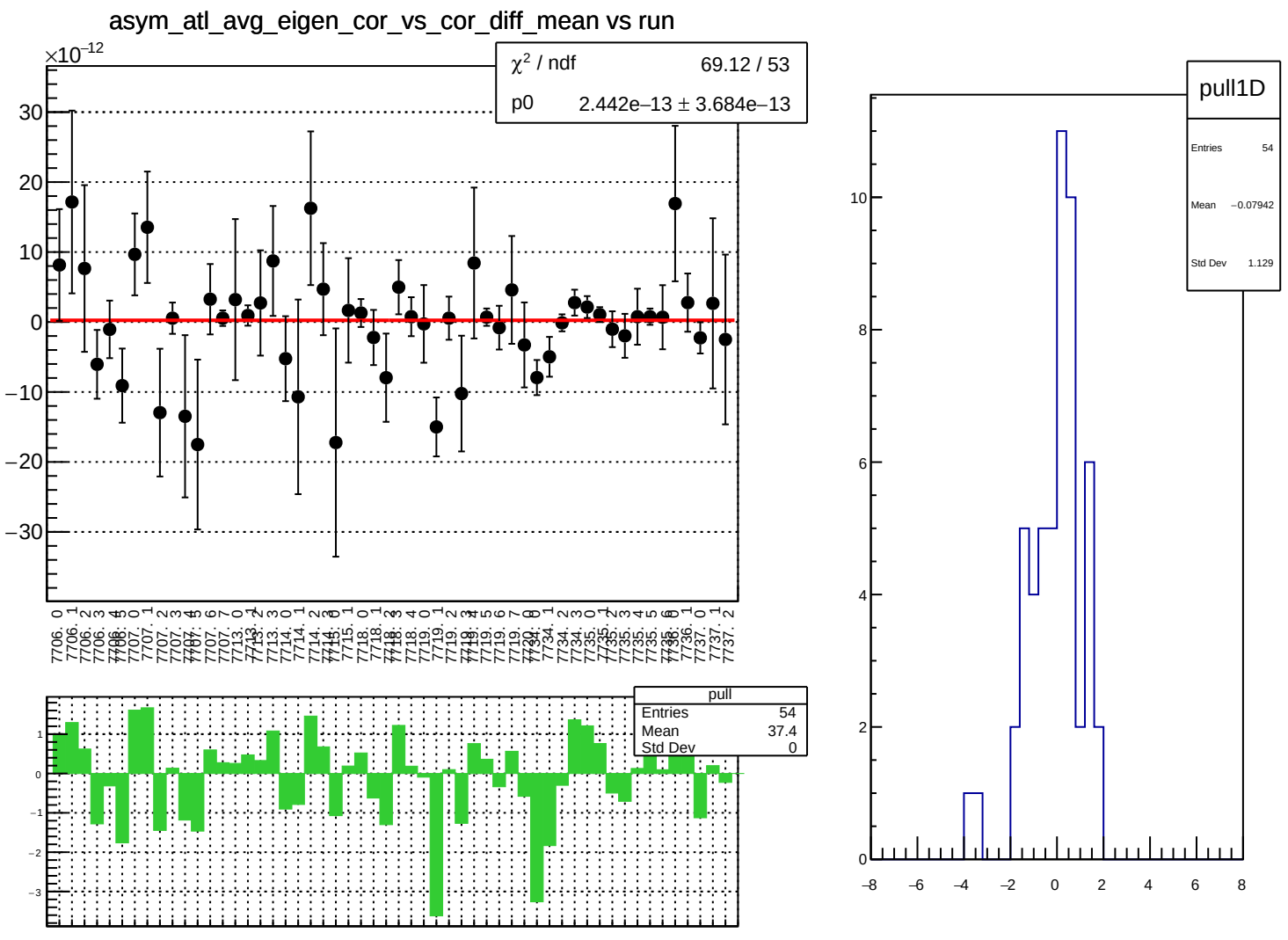

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.975e+04 / 53
p0 0.01074 ± 1.084e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

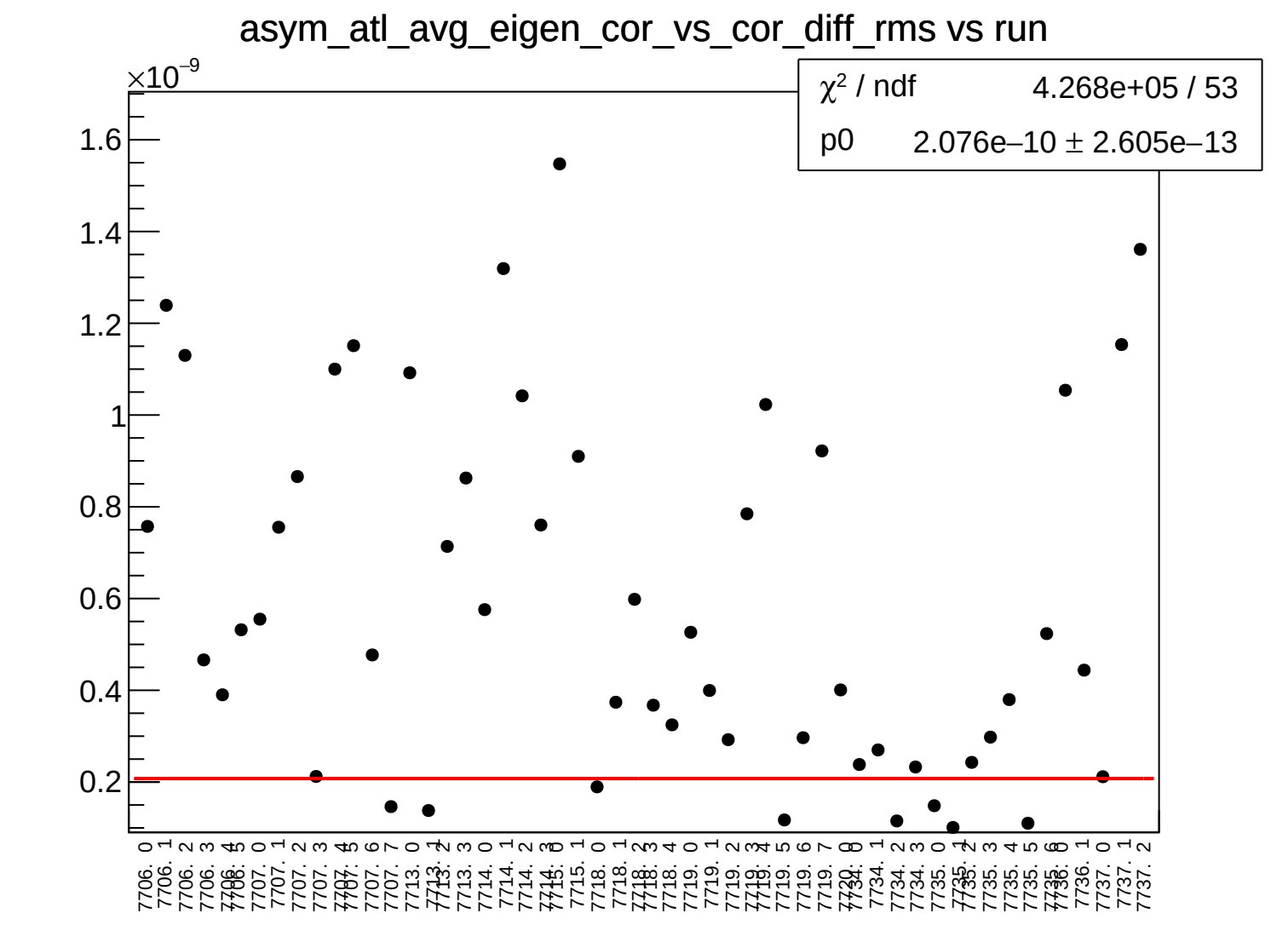

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.12 / 53
p0 0.05798 ± 0.2759
pull
Entries 54
Mean 32.66
Std Dev 0
pull1D
Entries 54
Mean −0.07405
Std Dev 0.8906

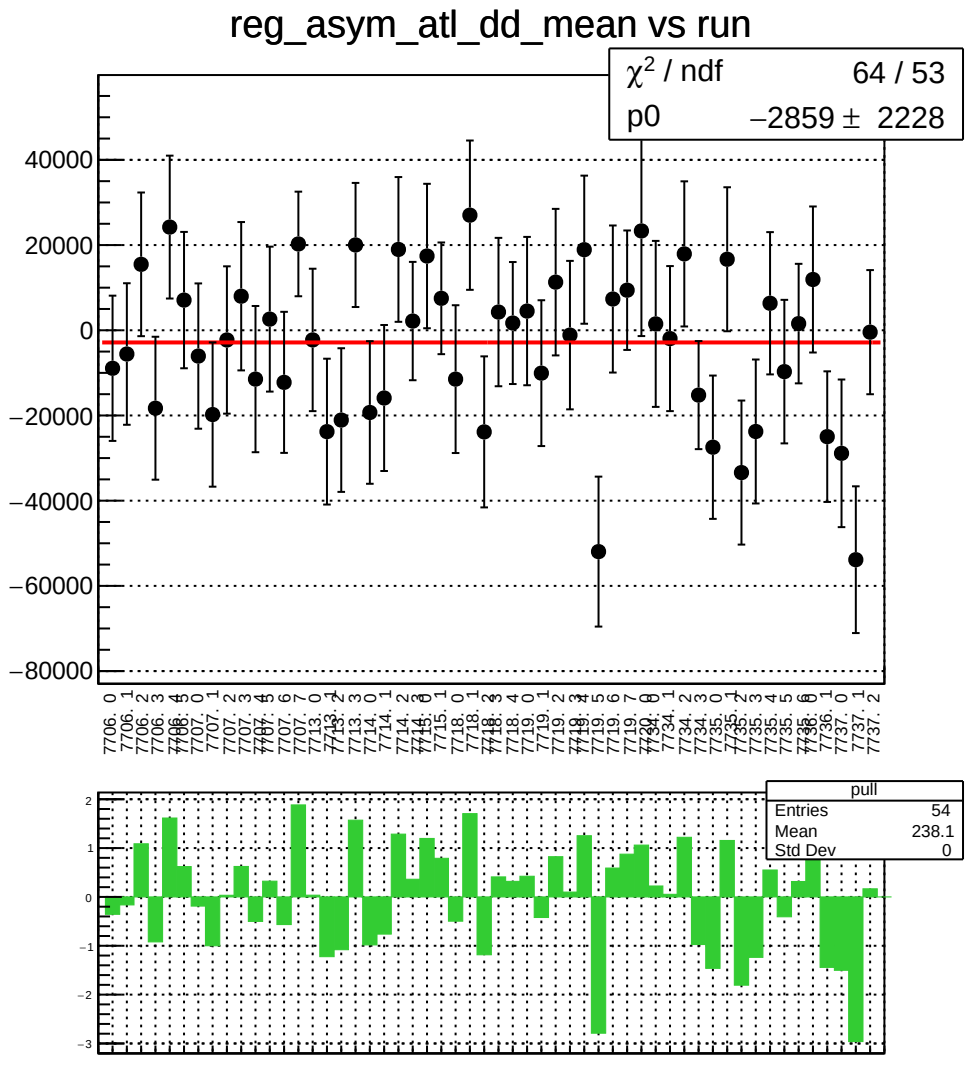

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.764e+05 / 53
p0 183.6 ± 0.1951
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

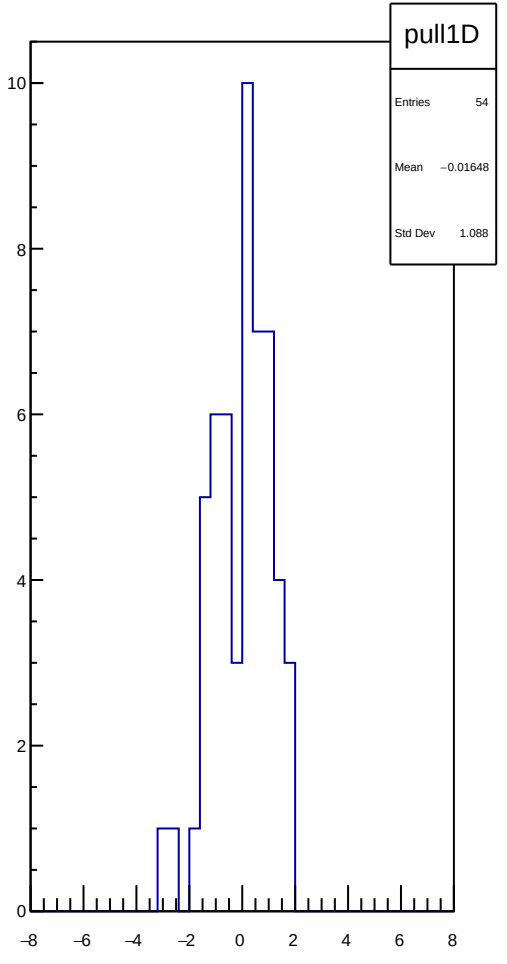

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.12 / 53
p0 0.05798 ± 0.2759
pull
Entries 54
Mean 32.66
Std Dev 0
pull1D
Entries 54
Mean −0.07405
Std Dev 0.8906

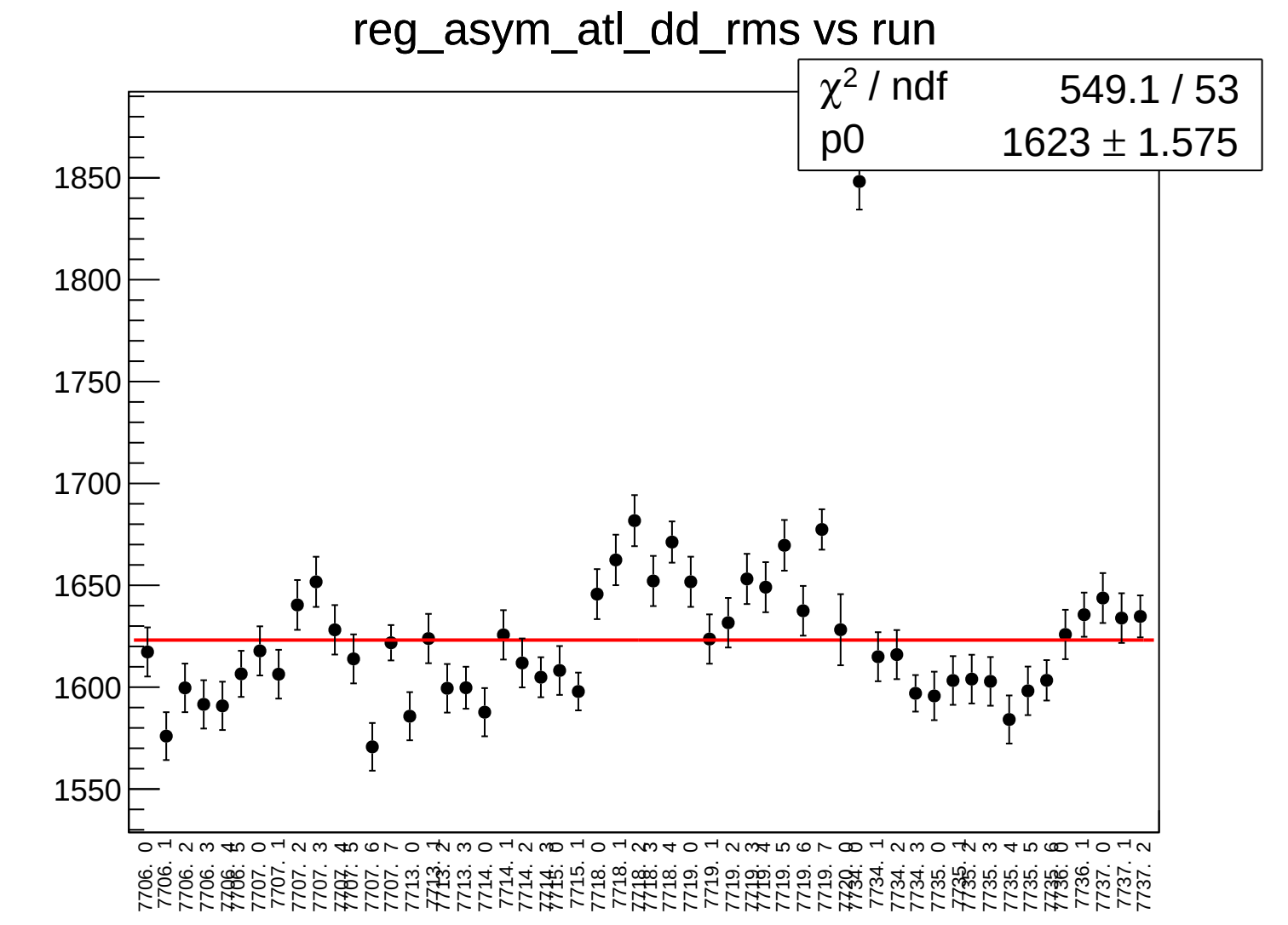

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.764e+05 / 53
p0 183.6 ± 0.1951
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

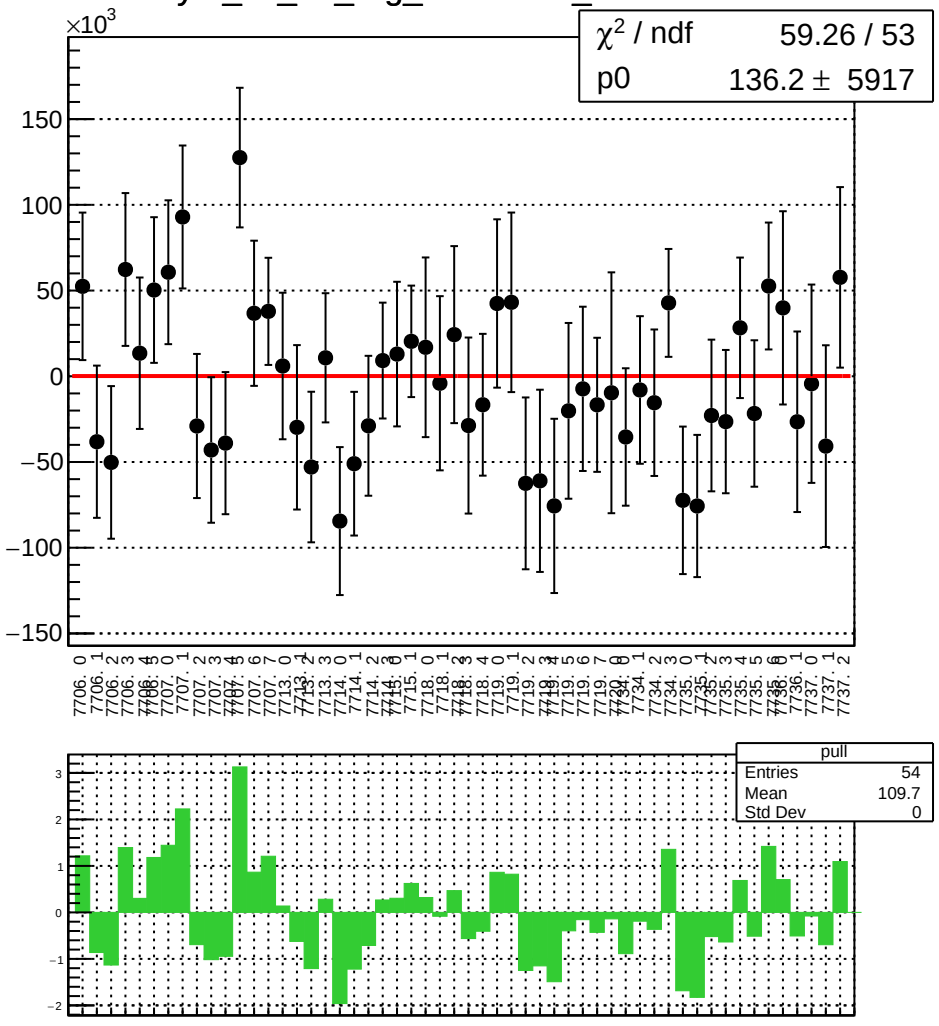

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.12 / 53
p0 2.442e−13 ± 3.684e−13
pull
Entries 54
Mean 37.4
Std Dev 0
pull1D
Entries 54
Mean −0.07942
Std Dev 1.129

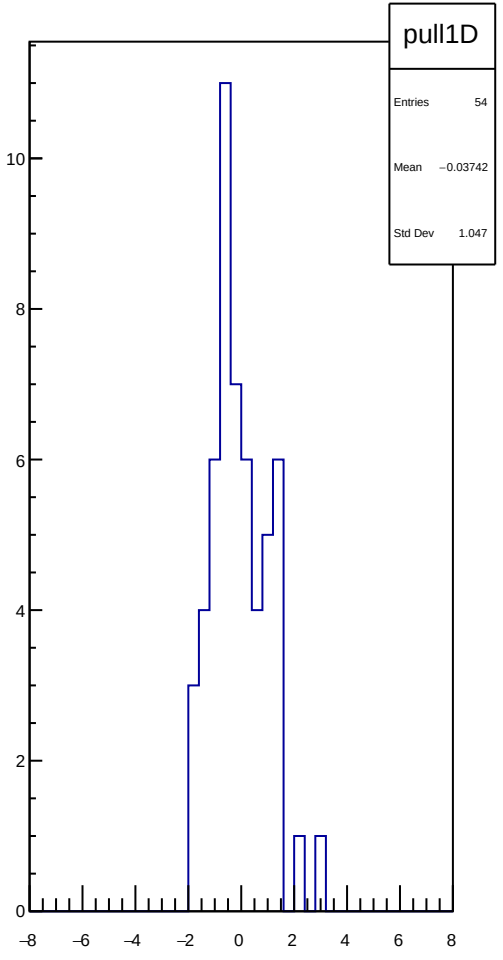

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.268e+05 / 53
p0 2.076e−10 ± 2.605e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

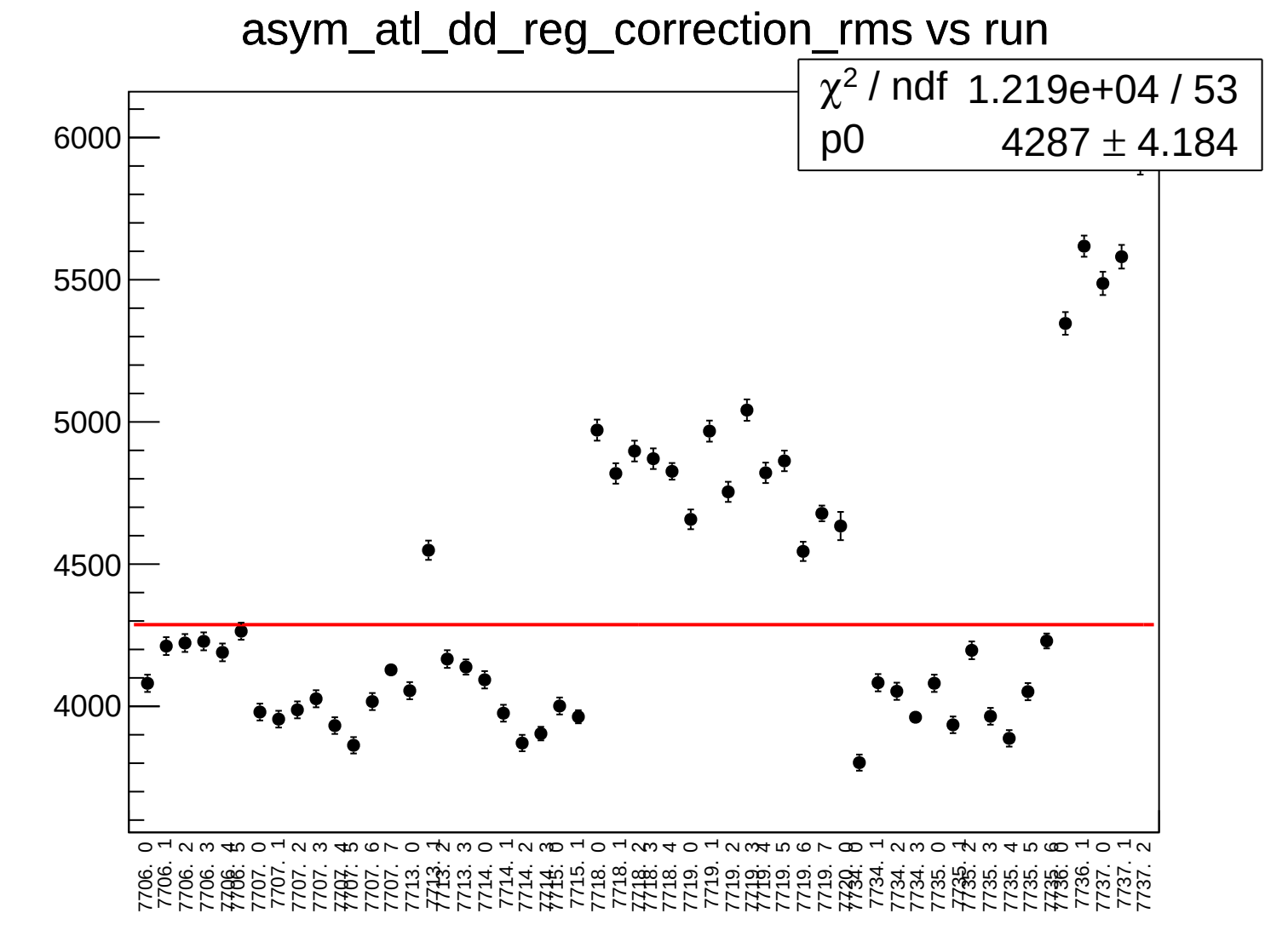

reg_asym_atl_dd_mean vs run
χ² / ndf 64 / 53
p0 −2859 ± 2228
pull
Entries 54
Mean 238.1
Std Dev 0

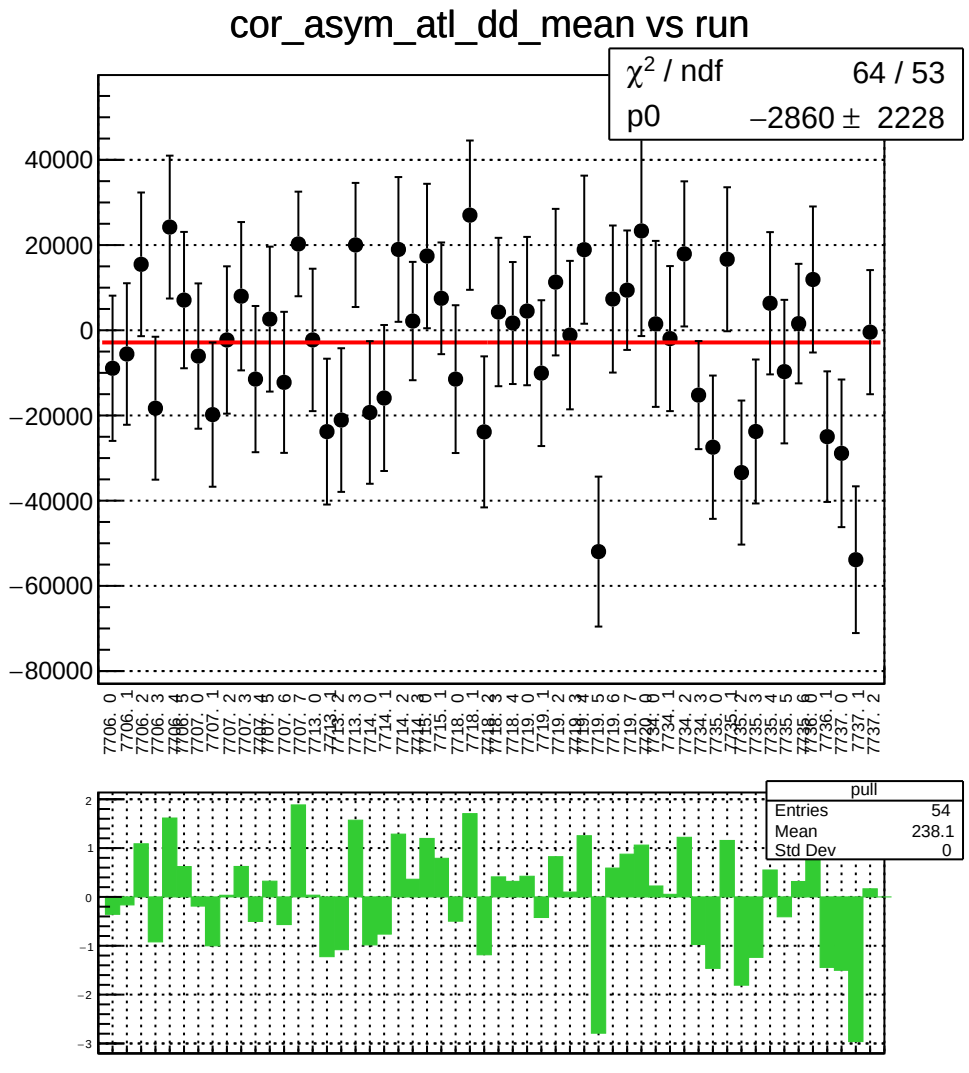

pull1D
Entries 54
Mean −0.01648
Std Dev 1.088

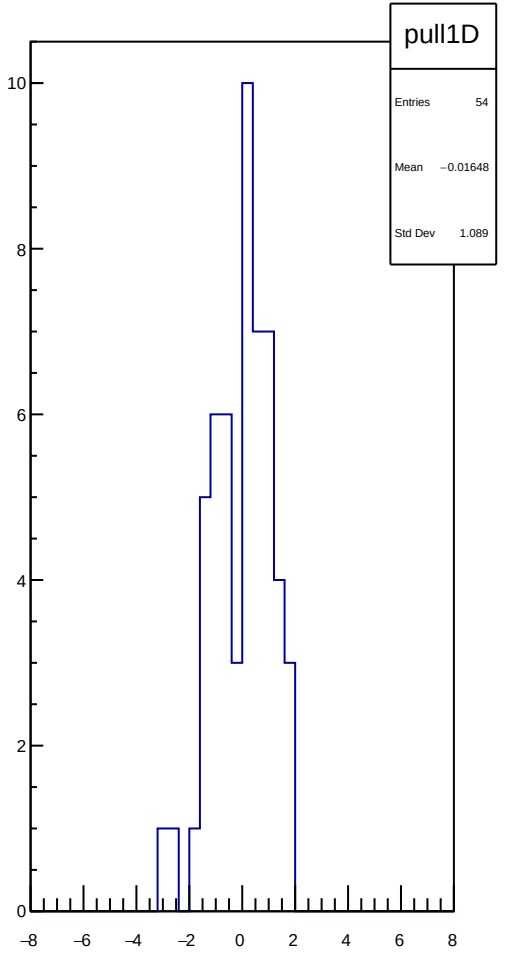

reg_asym_atl_dd_rms vs run
χ² / ndf 549.1 / 53
p0 1623 ± 1.575
1850
1800
1750
1700
1650
1600
1550

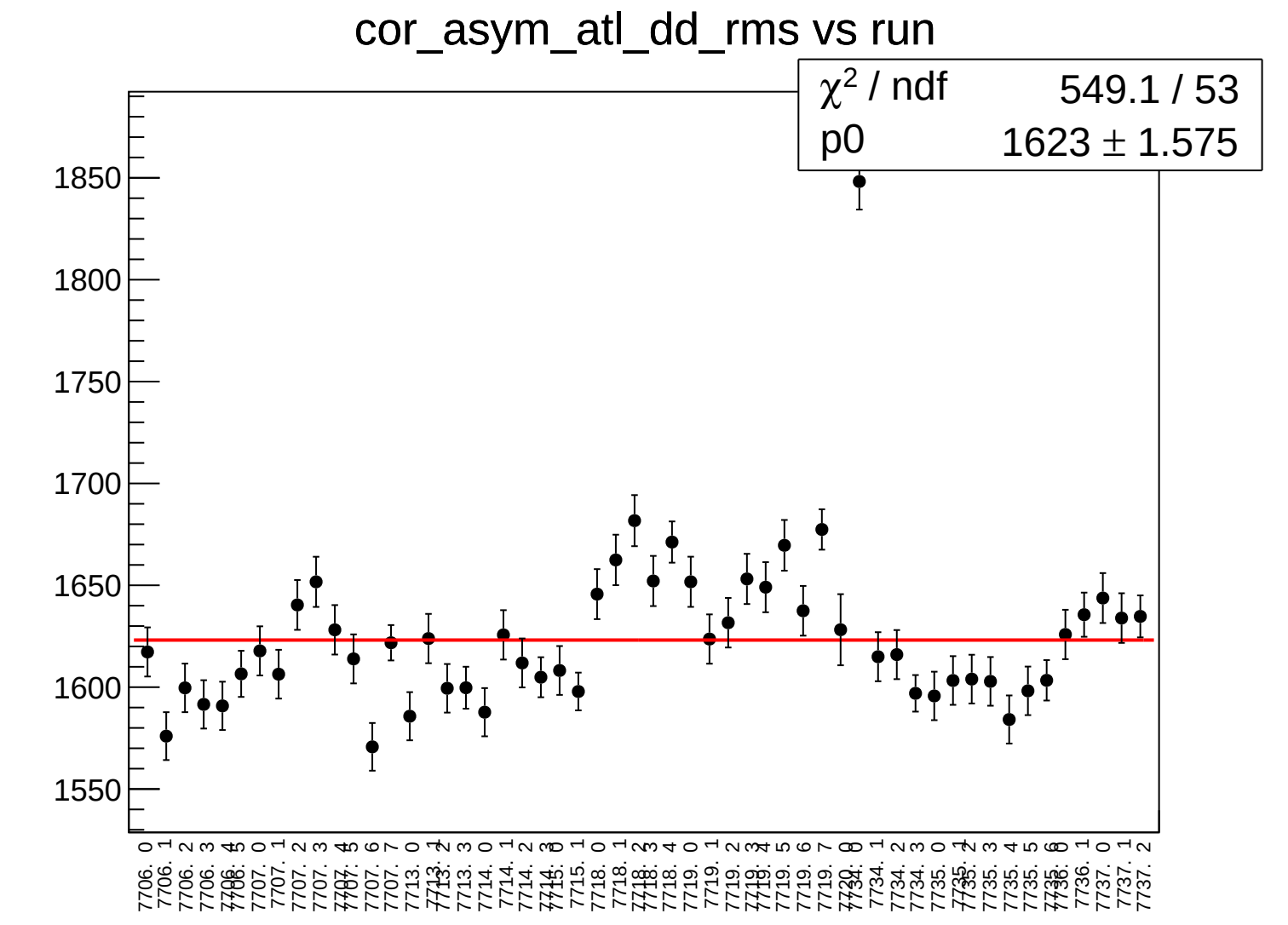

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.26 / 53
p0 136.2 ± 5917
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 109.7
Std Dev 0
3
2
1
0
−1
−2

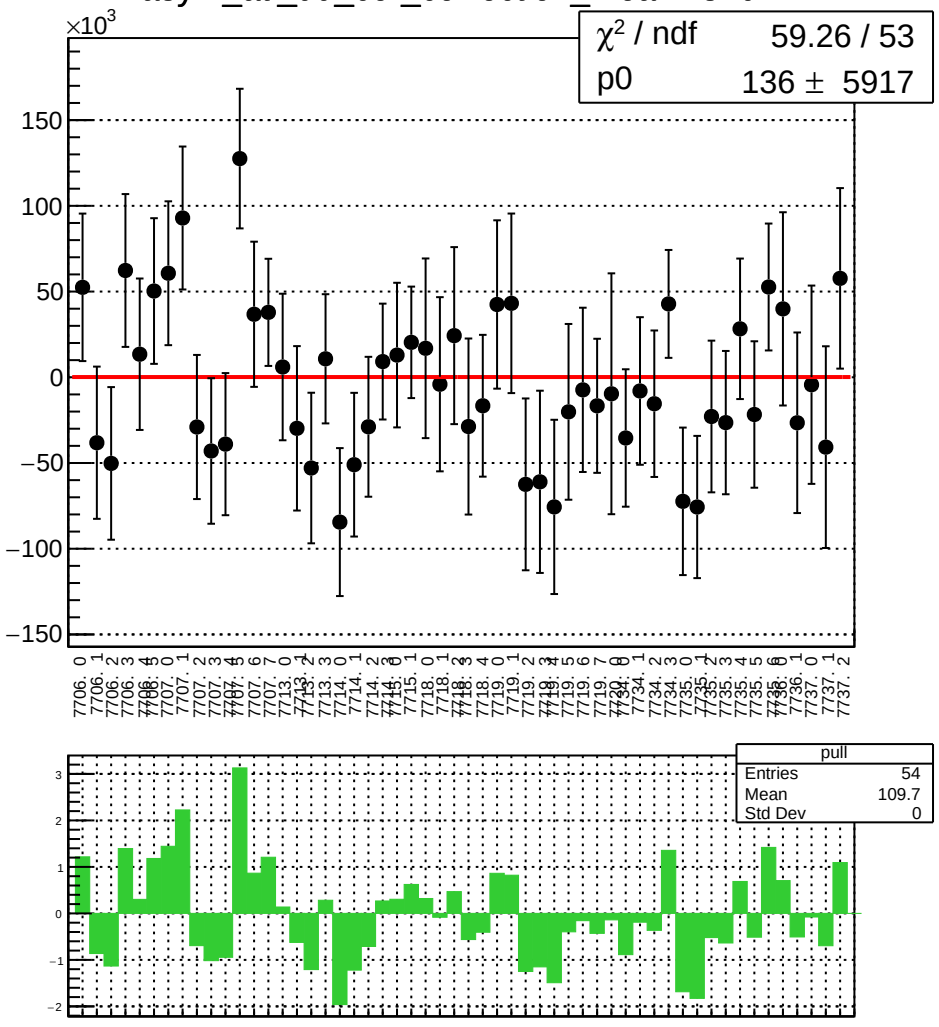

pull1D
Entries 54
Mean −0.03742
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

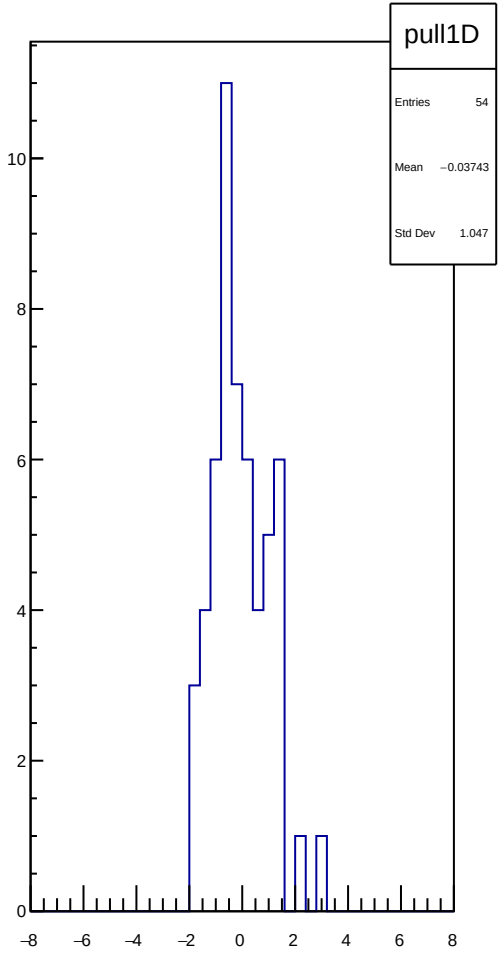

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1.219e+04 / 53
p0 4287 ± 4.184
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

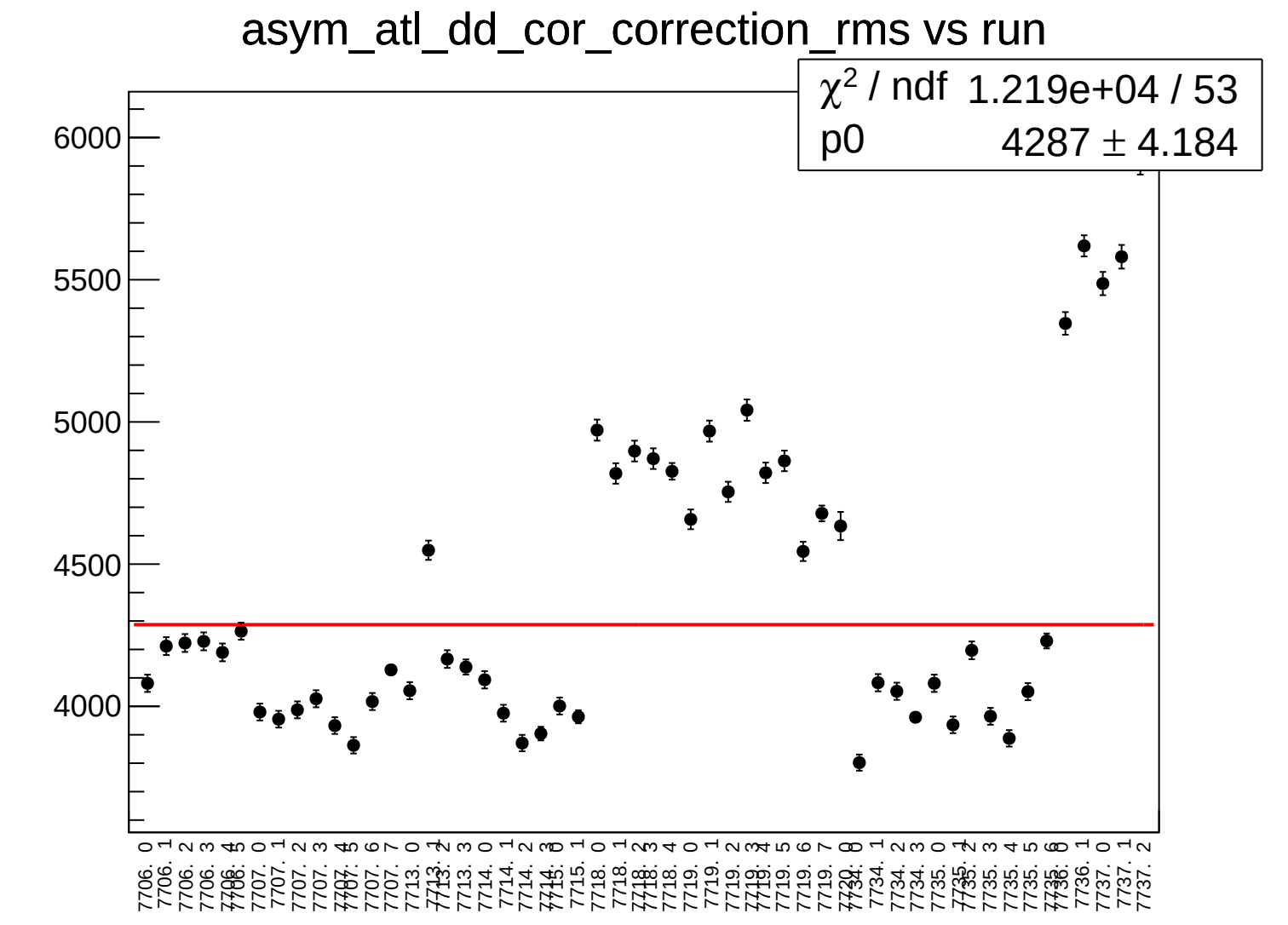

cor_asym_atl_dd_mean vs run
χ² / ndf 64 / 53
p0 −2860 ± 2228
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 238.1
Std Dev 0
2
1
0
−1
−2
−3

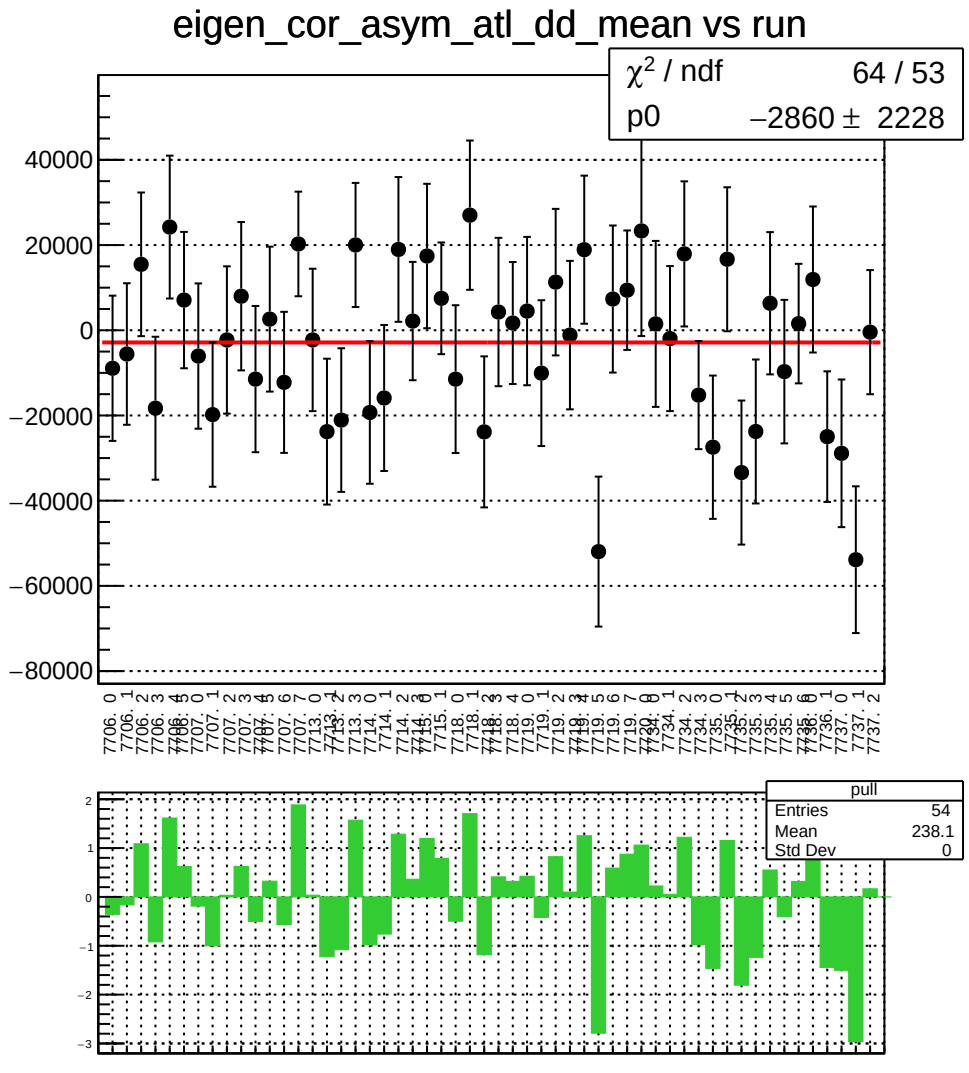

pull1D
Entries 54
Mean −0.01648
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

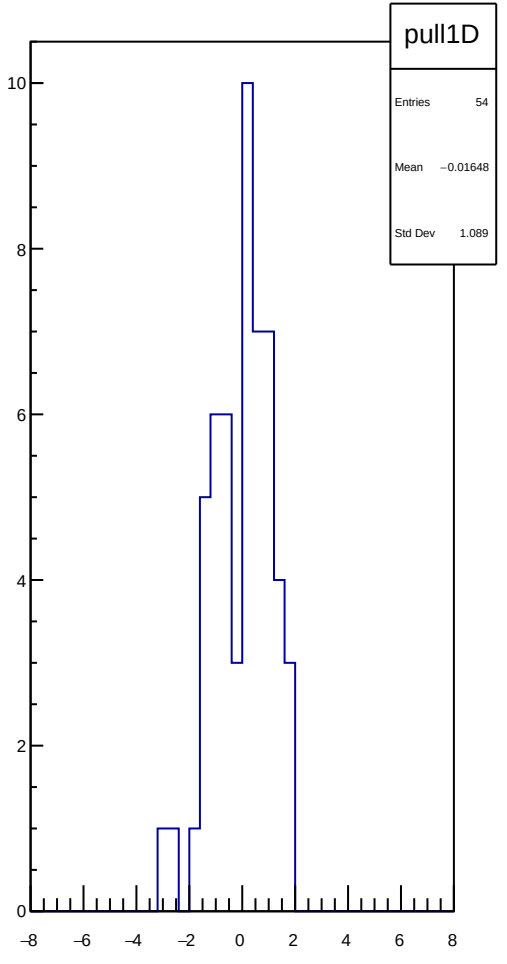

cor_asym_atl_dd_rms vs run
χ^2 / ndf 549.1 / 53
p0 1623 ± 1.575
1850
1800
1750
1700
1650
1600
1550

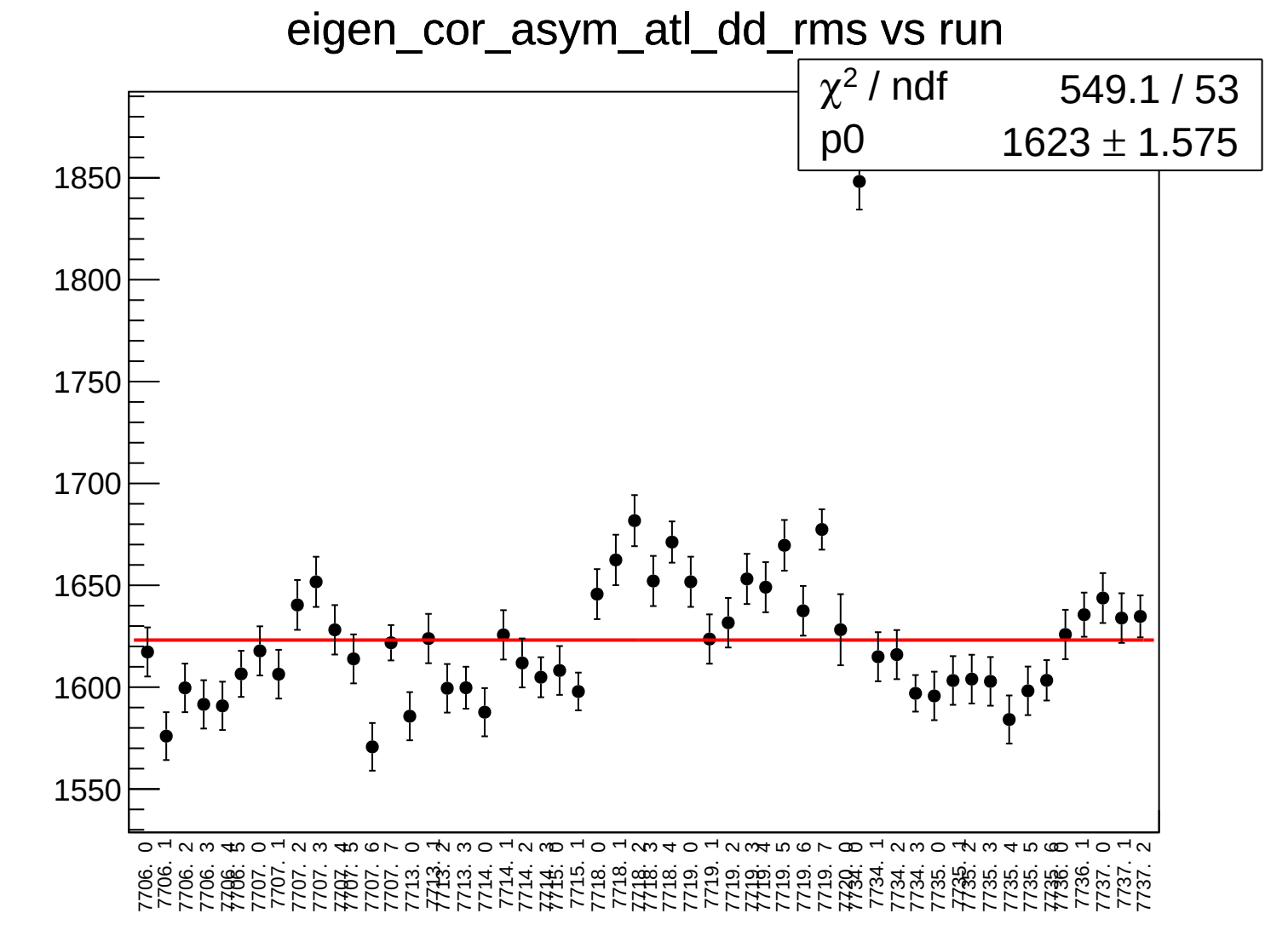

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.26 / 53
p0 136 ± 5917
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 109.7
Std Dev 0
3
2
1
0
−1
−2

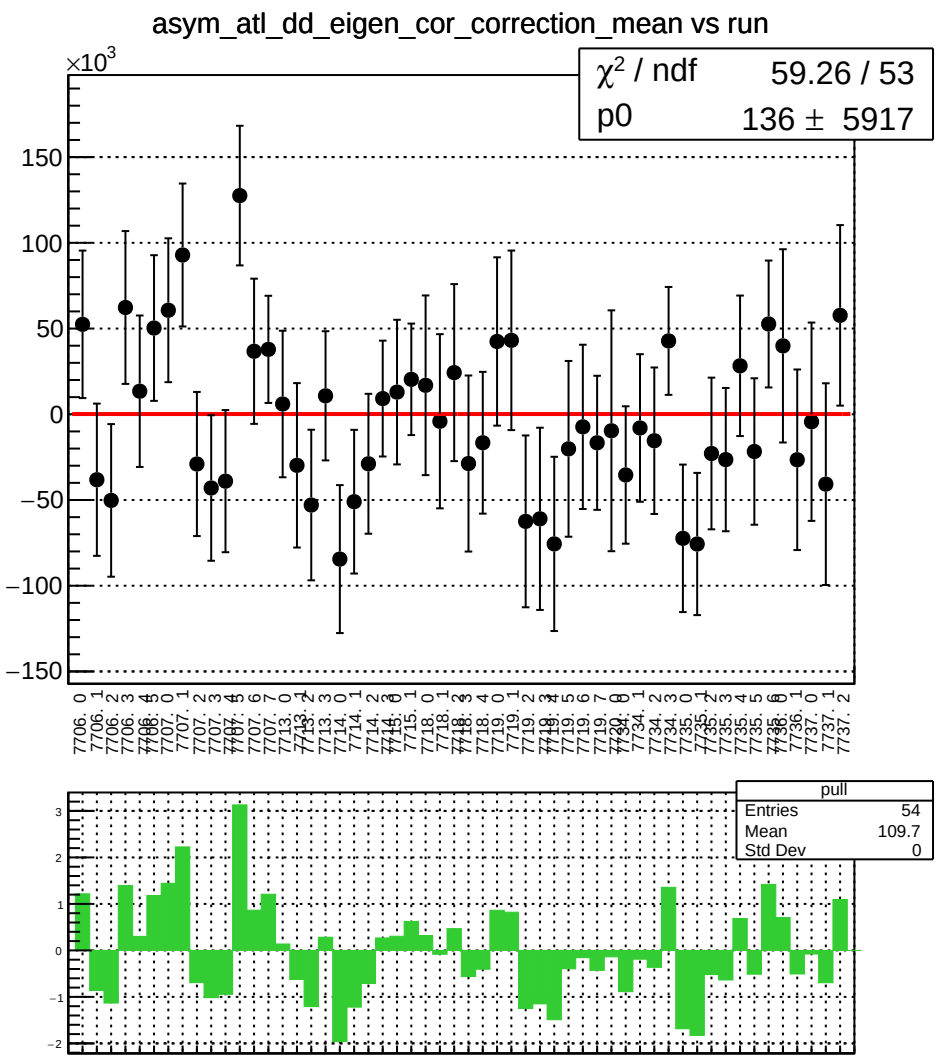

pull1D
Entries 54
Mean −0.03743
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

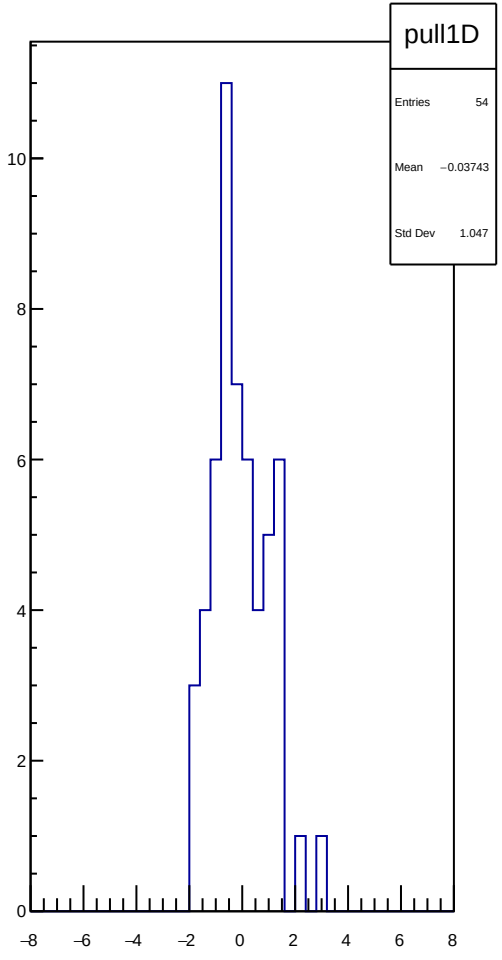

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1.219e+04 / 53
p0 4287 ± 4.184
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

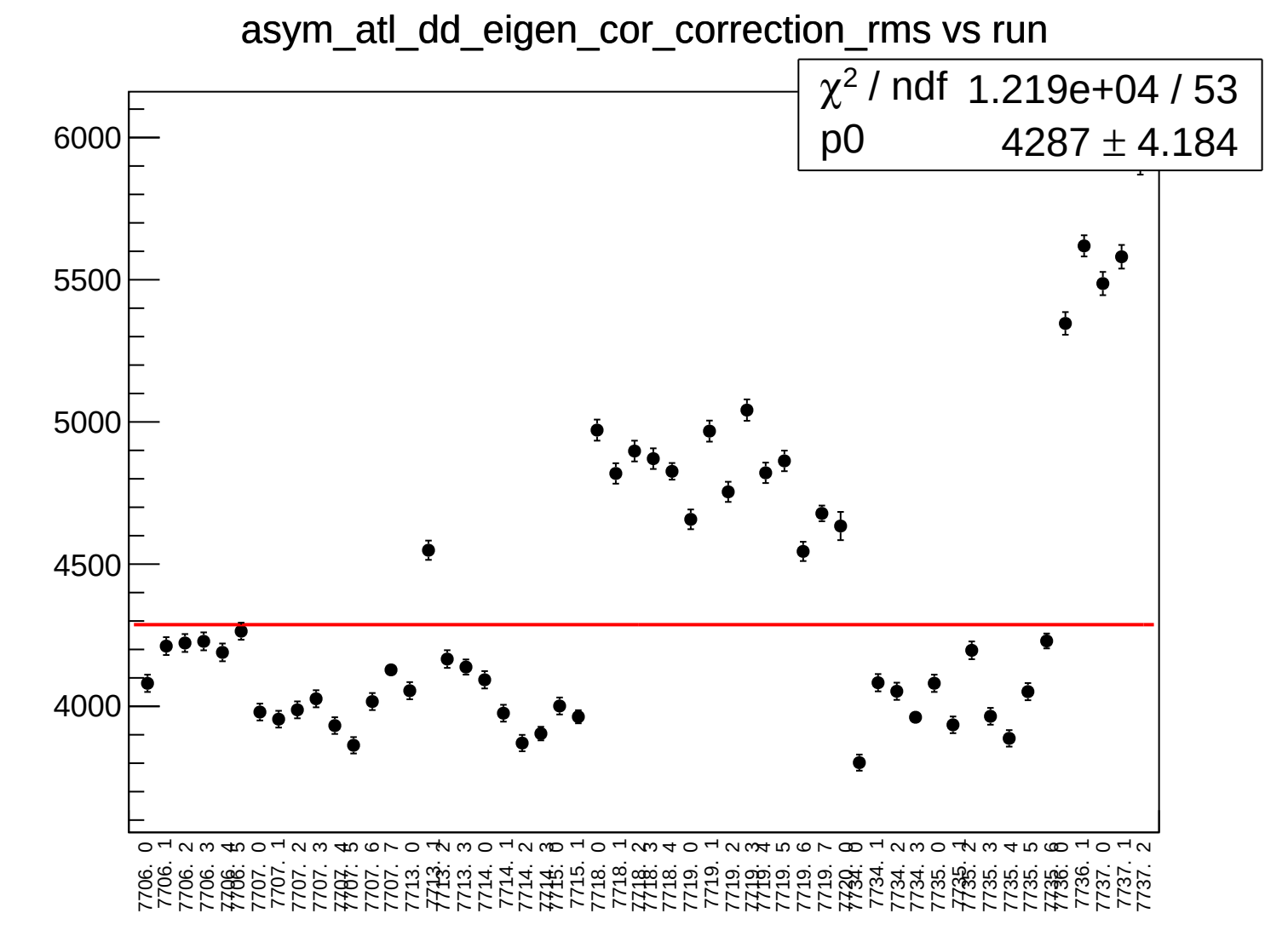

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 64 / 53
p0 −2860 ± 2228
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 238.1
Std Dev 0
2
1
0
−1
−2
−3

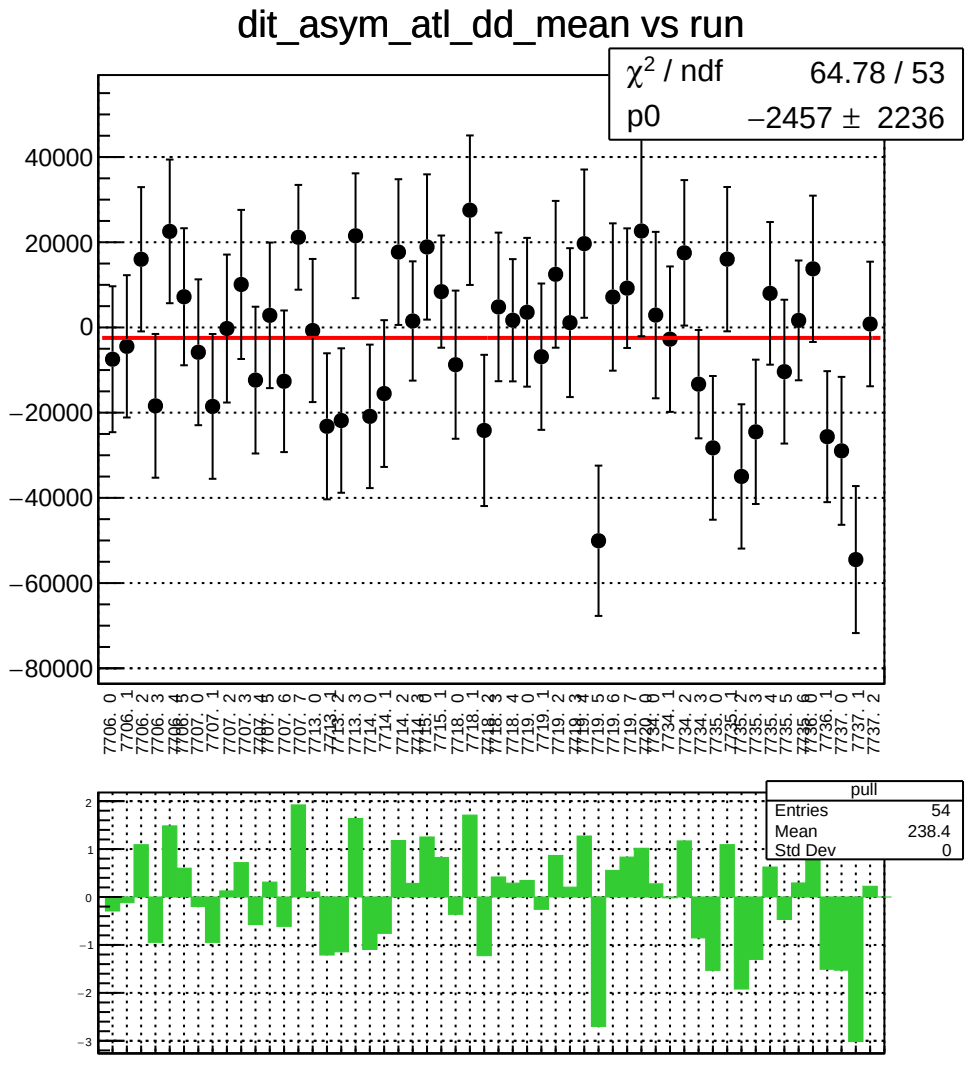

pull1D
Entries 54
Mean −0.01648
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

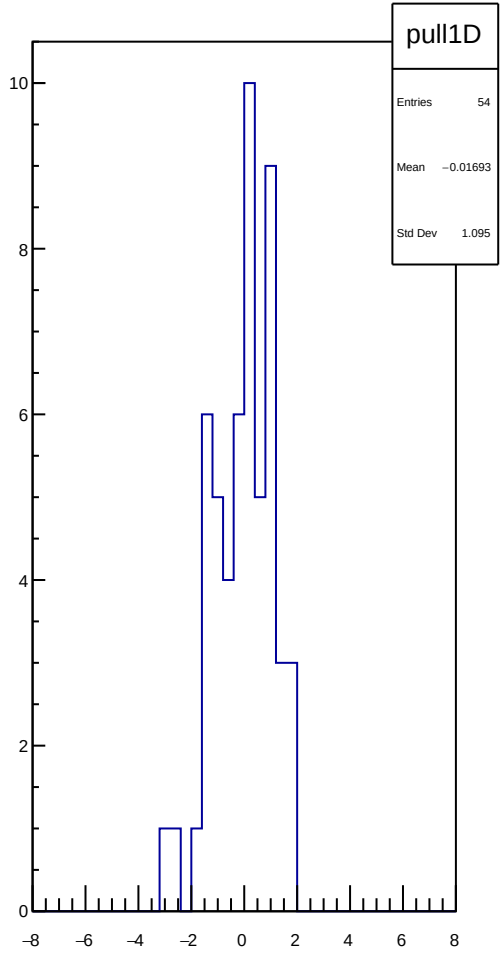

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 549.1 / 53
p0 1623 ± 1.575
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

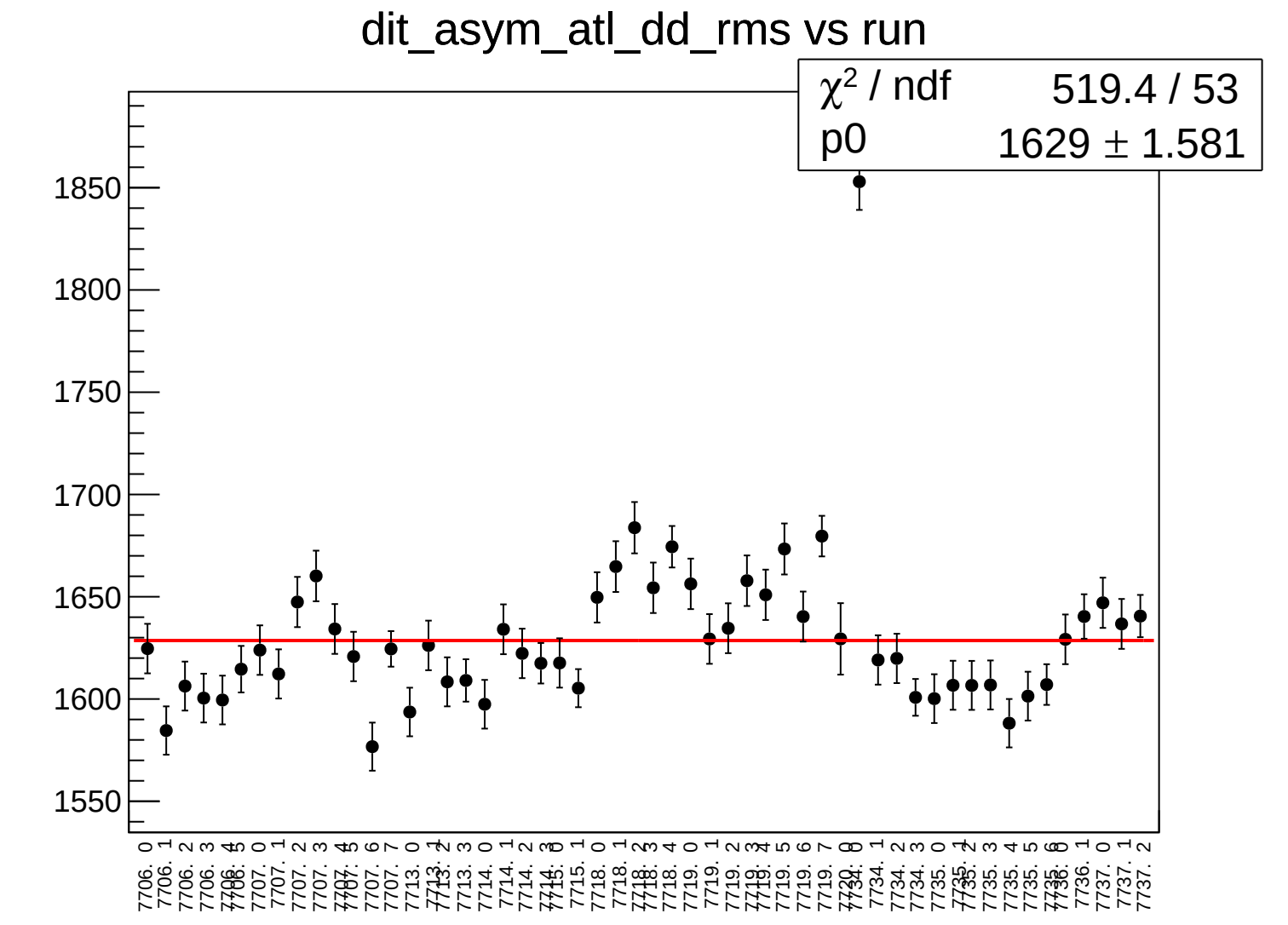

asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.26 / 53
p0 136 ± 5917
pull
Entries 54
Mean 109.7
Std Dev 0

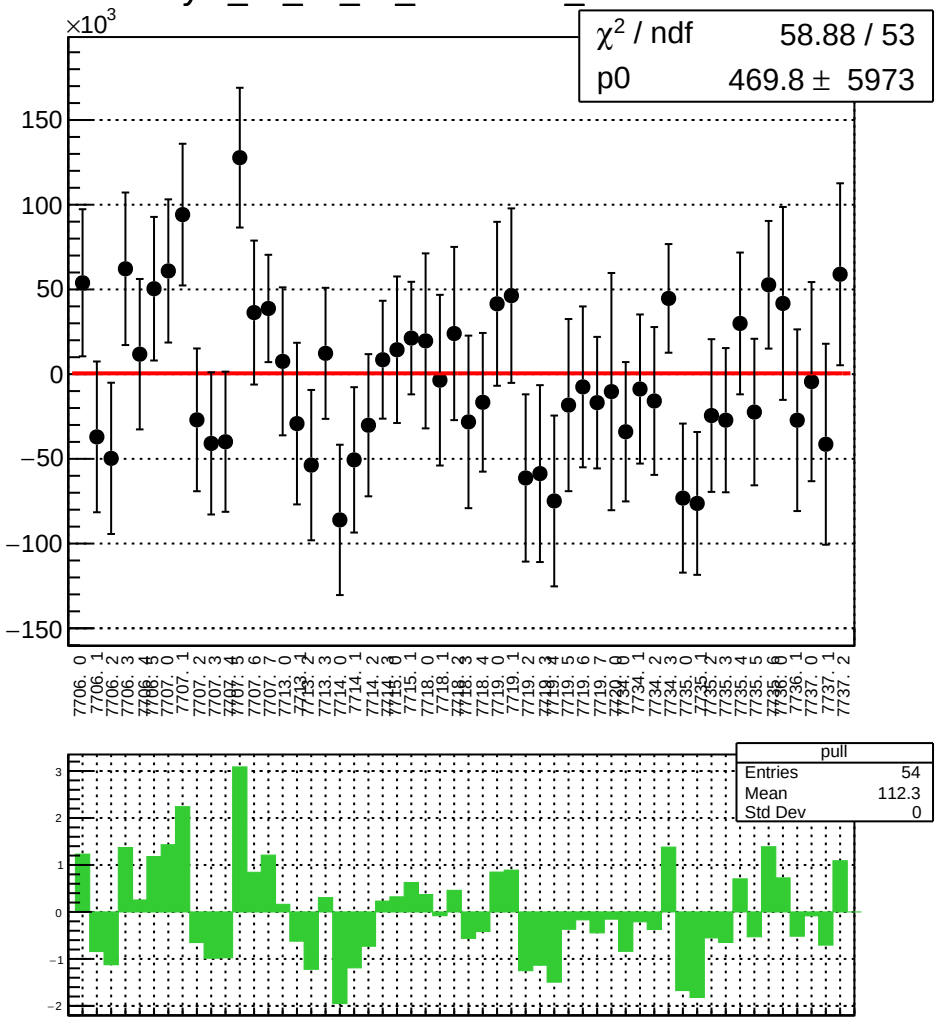

pull1D
Entries 54
Mean −0.03743
Std Dev 1.047

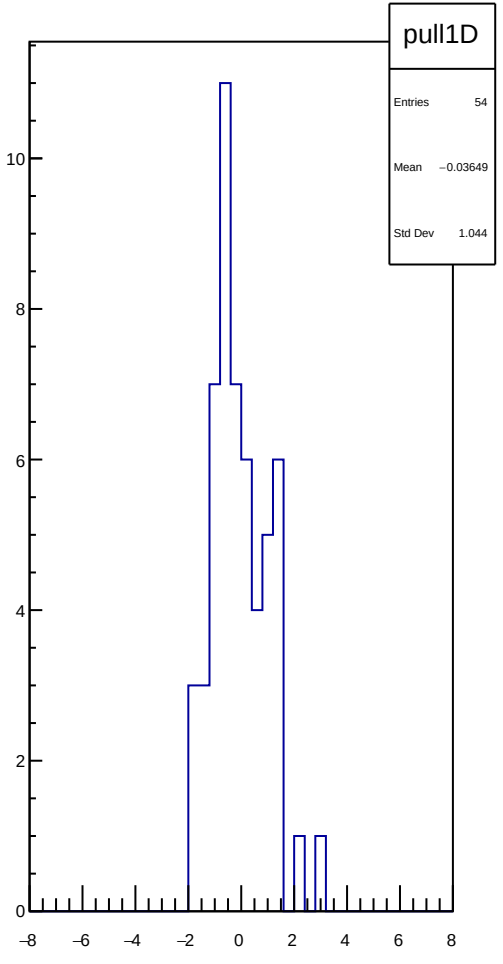

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.219e+04 / 53
p0 4287 ± 4.184
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

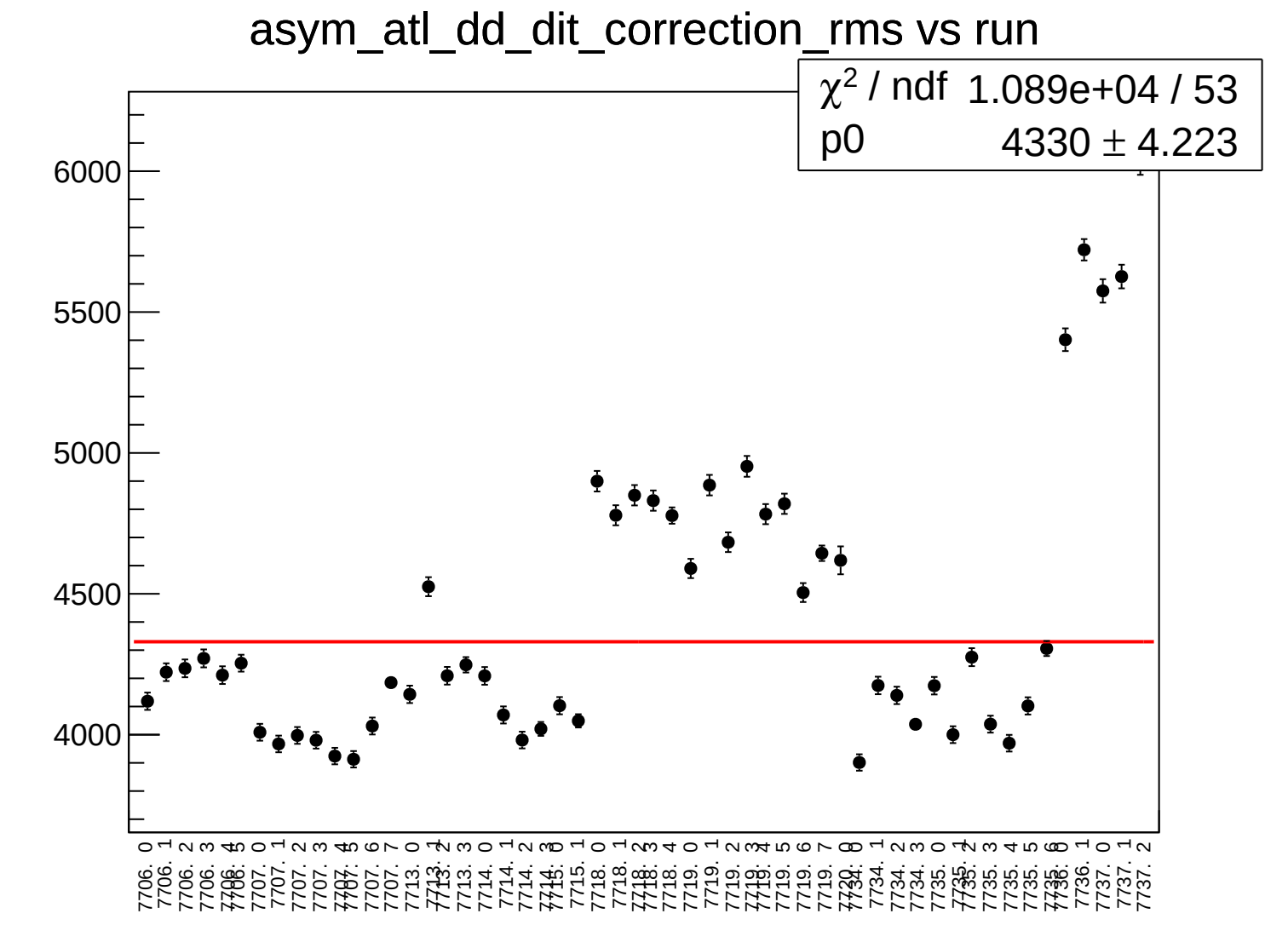

dit_asym_atl_dd_mean vs run
χ² / ndf 64.78 / 53
p0 −2457 ± 2236
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 238.4
Std Dev 0
2
1
0
−1
−2
−3

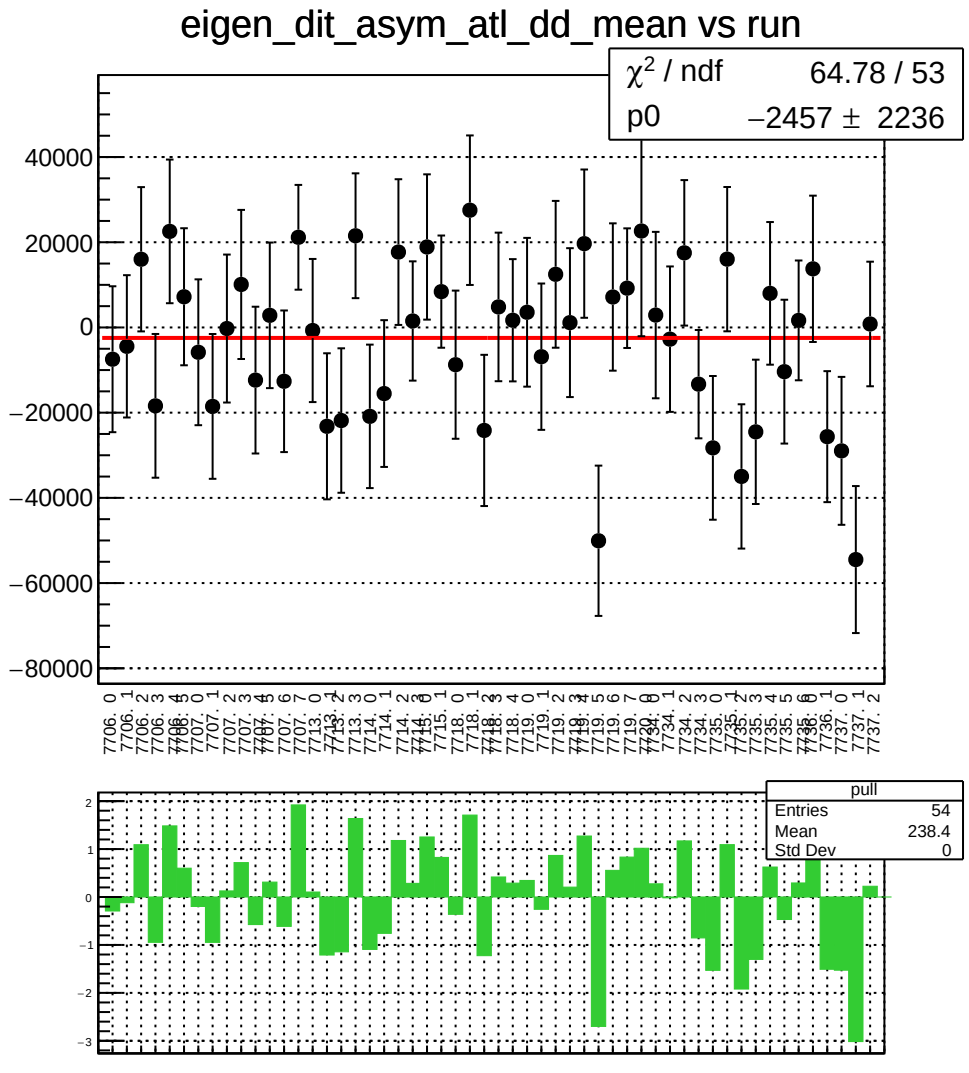

pull1D
Entries 54
Mean −0.01693
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

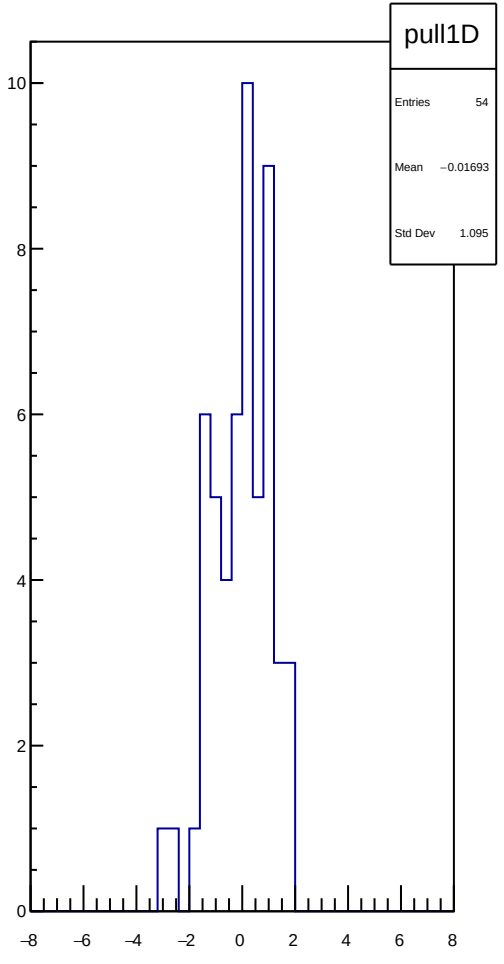

dit_asym_atl_dd_rms vs run
χ² / ndf 519.4 / 53
p0 1629 ± 1.581
1850
1800
1750
1700
1650
1600
1550

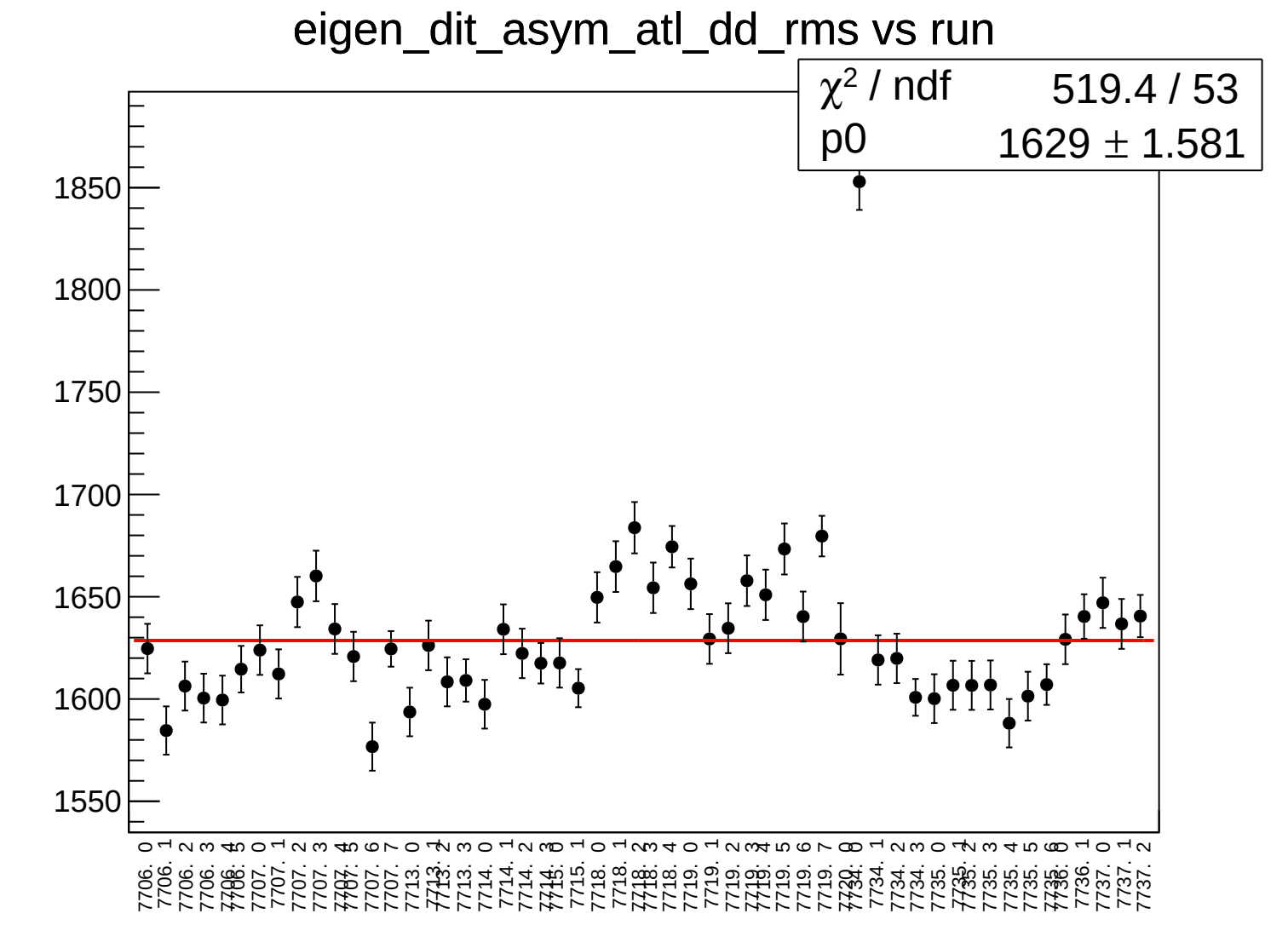

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 58.88 / 53
p0 469.8 ± 5973
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 112.3
Std Dev 0
3
2
1
0
−1
−2

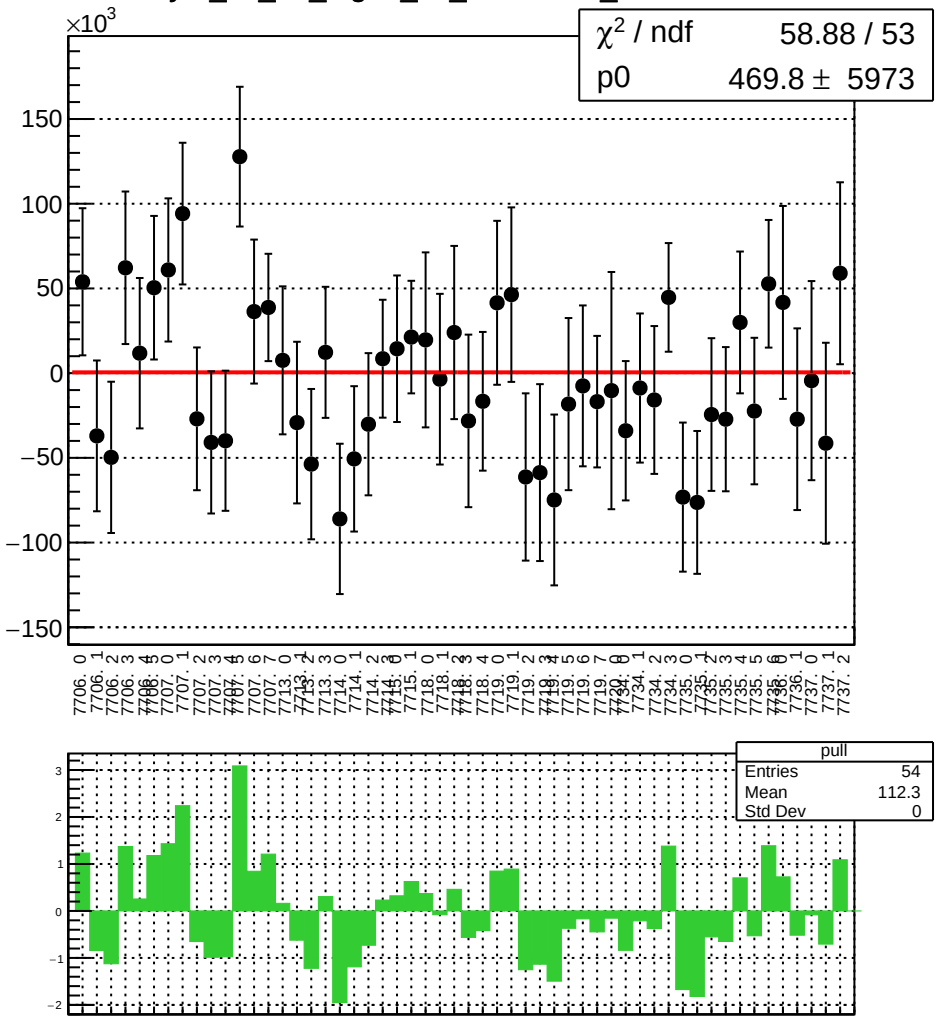

pull1D
Entries 54
Mean −0.03649
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

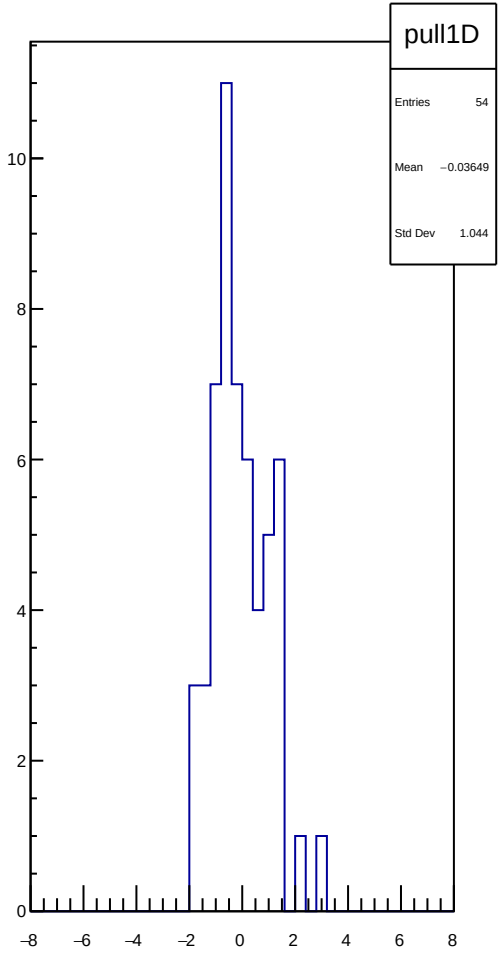

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 1.089e+04 / 53
p0 4330 ± 4.223
6000
5500
5000
4500
4000

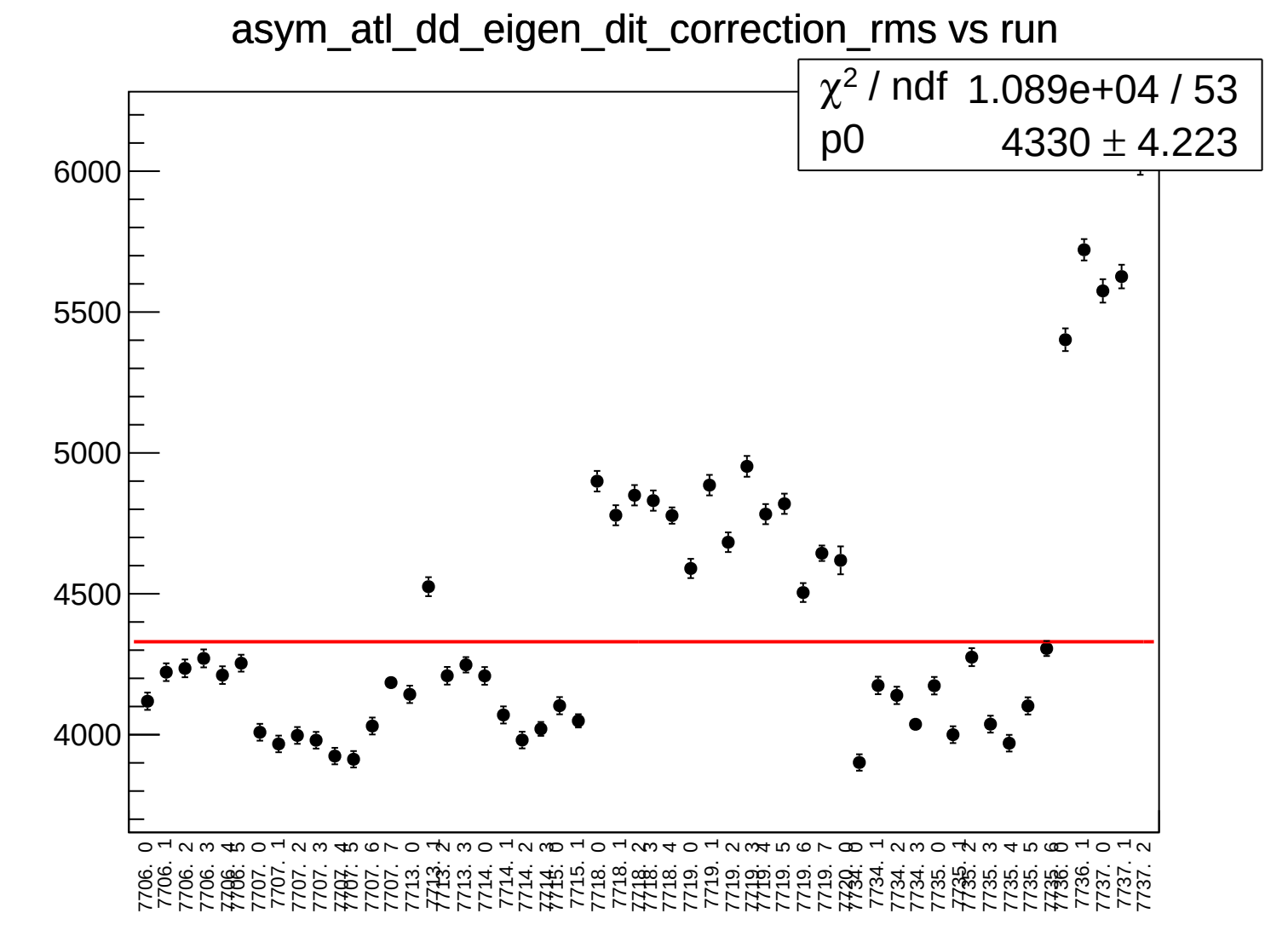

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 64.78 / 53
p0 −2457 ± 2236
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 238.4
Std Dev 0
2
1
0
−1
−2
−3

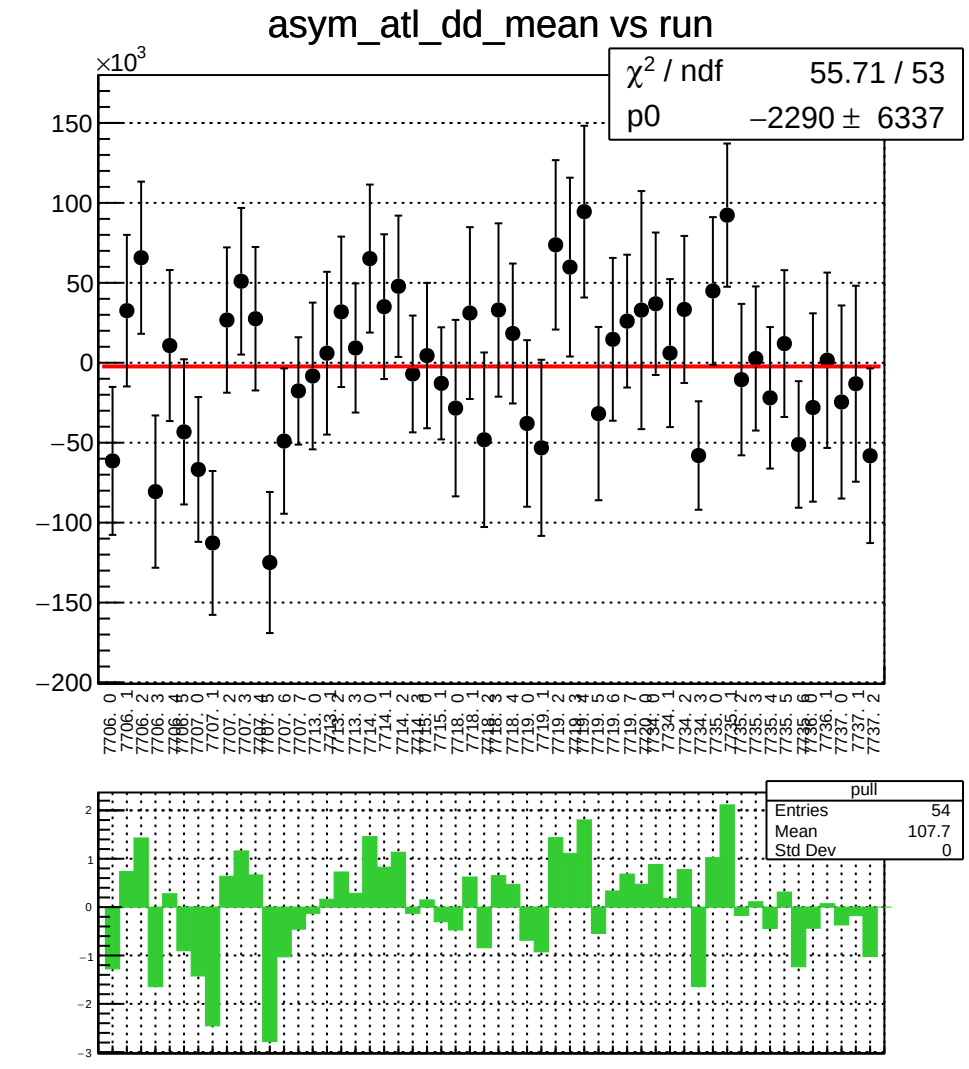

pull1D
Entries 54
Mean −0.01693
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

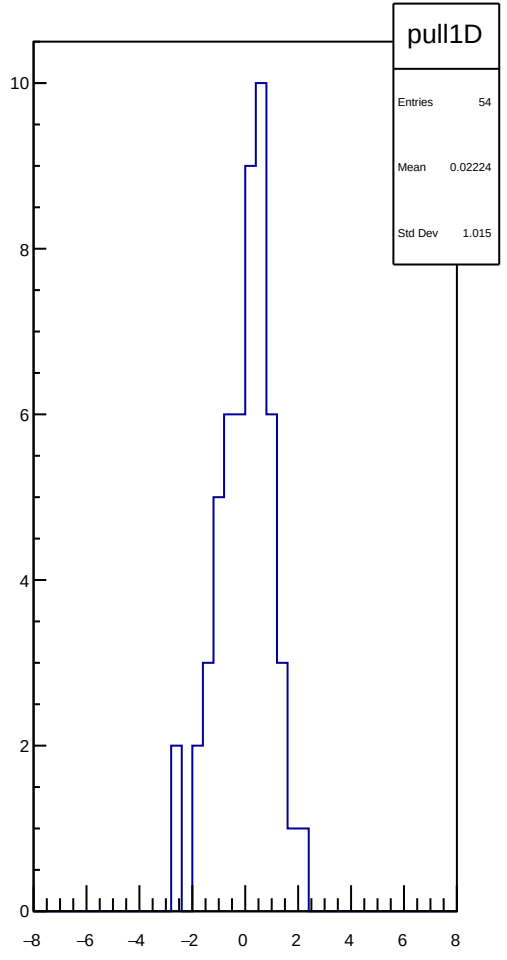

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 519.4 / 53
p0 1629 ± 1.581
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

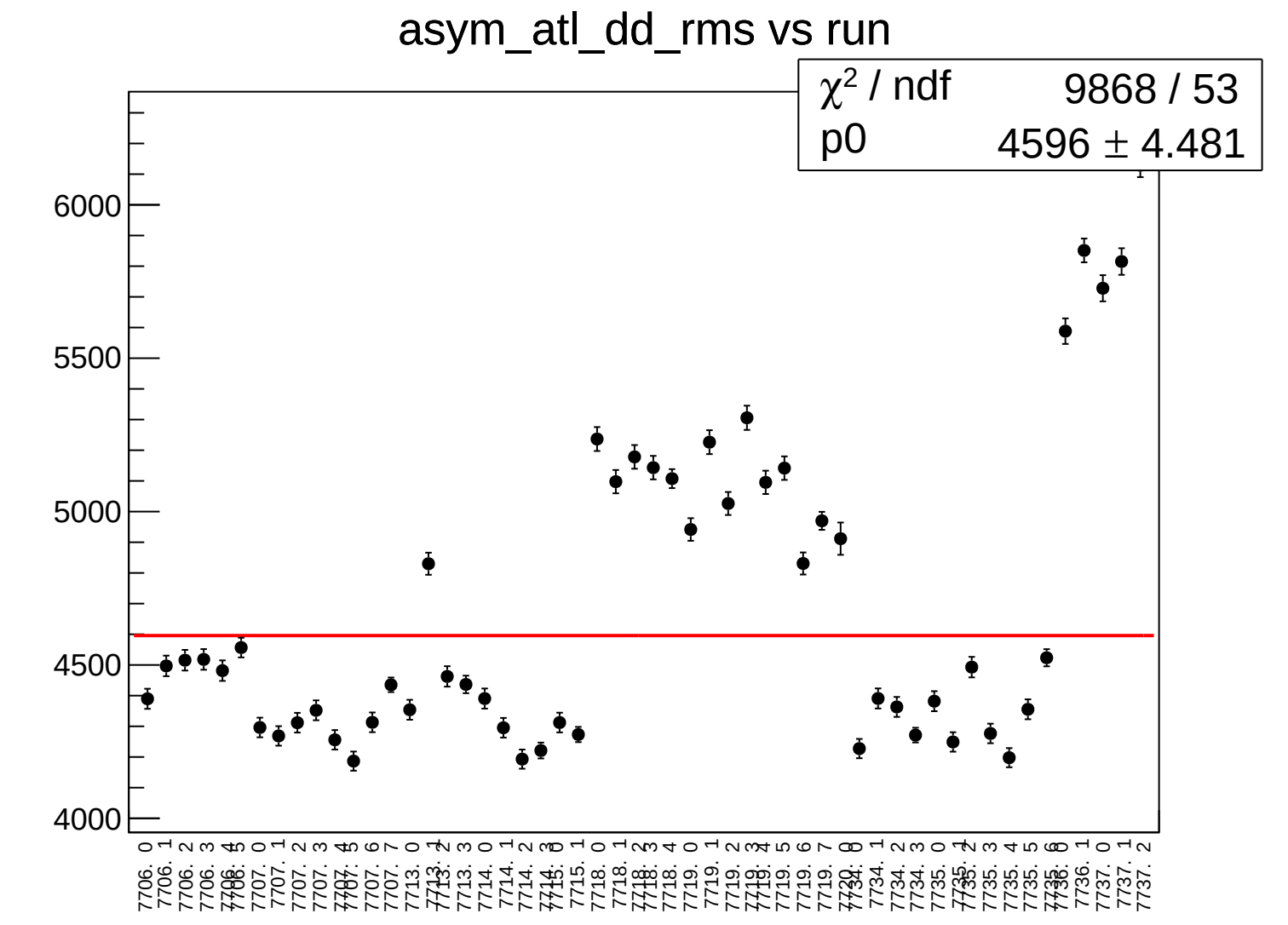

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.88 / 53
p0 469.8 ± 5973
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 112.3
Std Dev 0
3
2
1
0
−1
−2

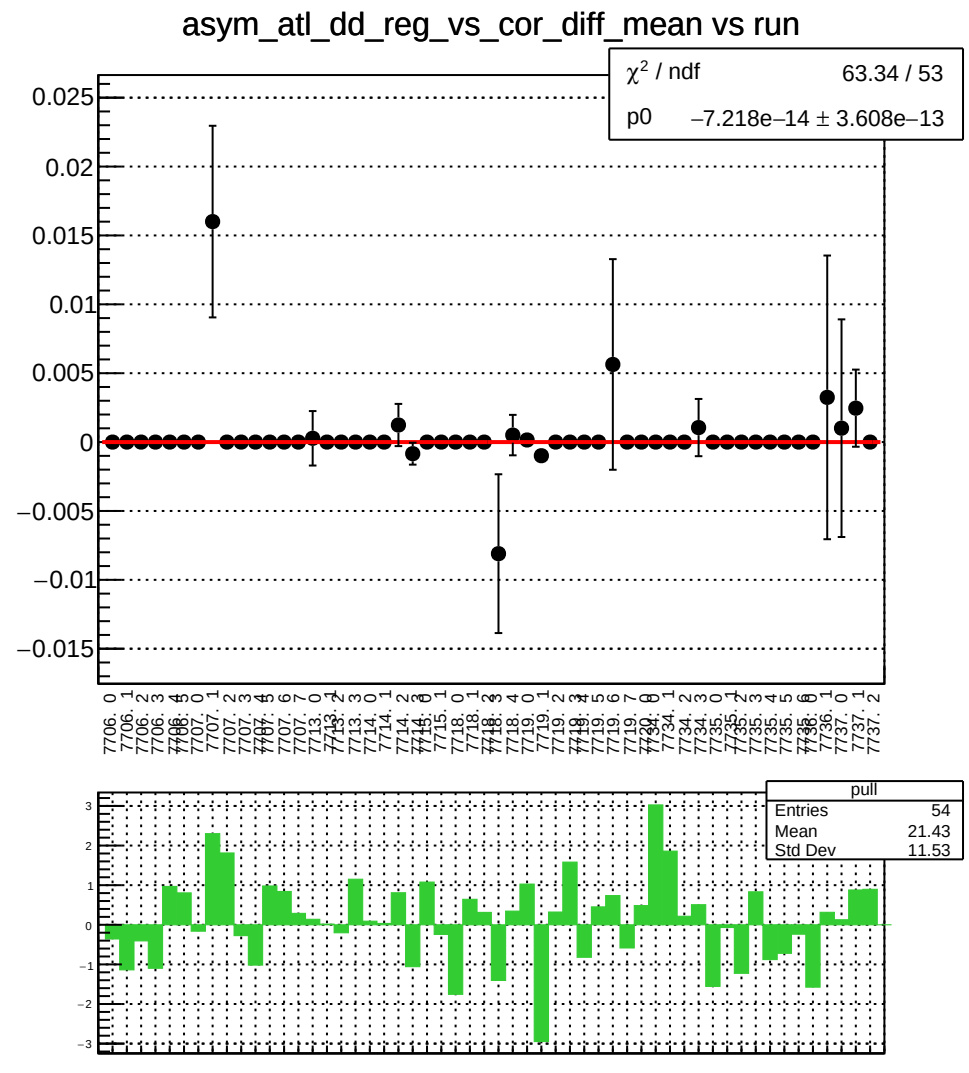

pull1D
Entries 54
Mean −0.03649
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

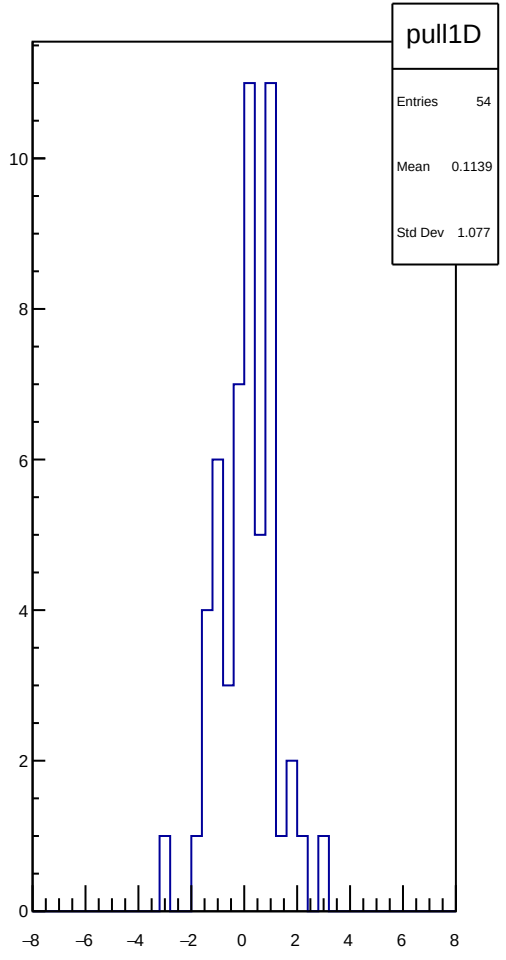

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.089e+04 / 53
p0 4330 ± 4.223
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

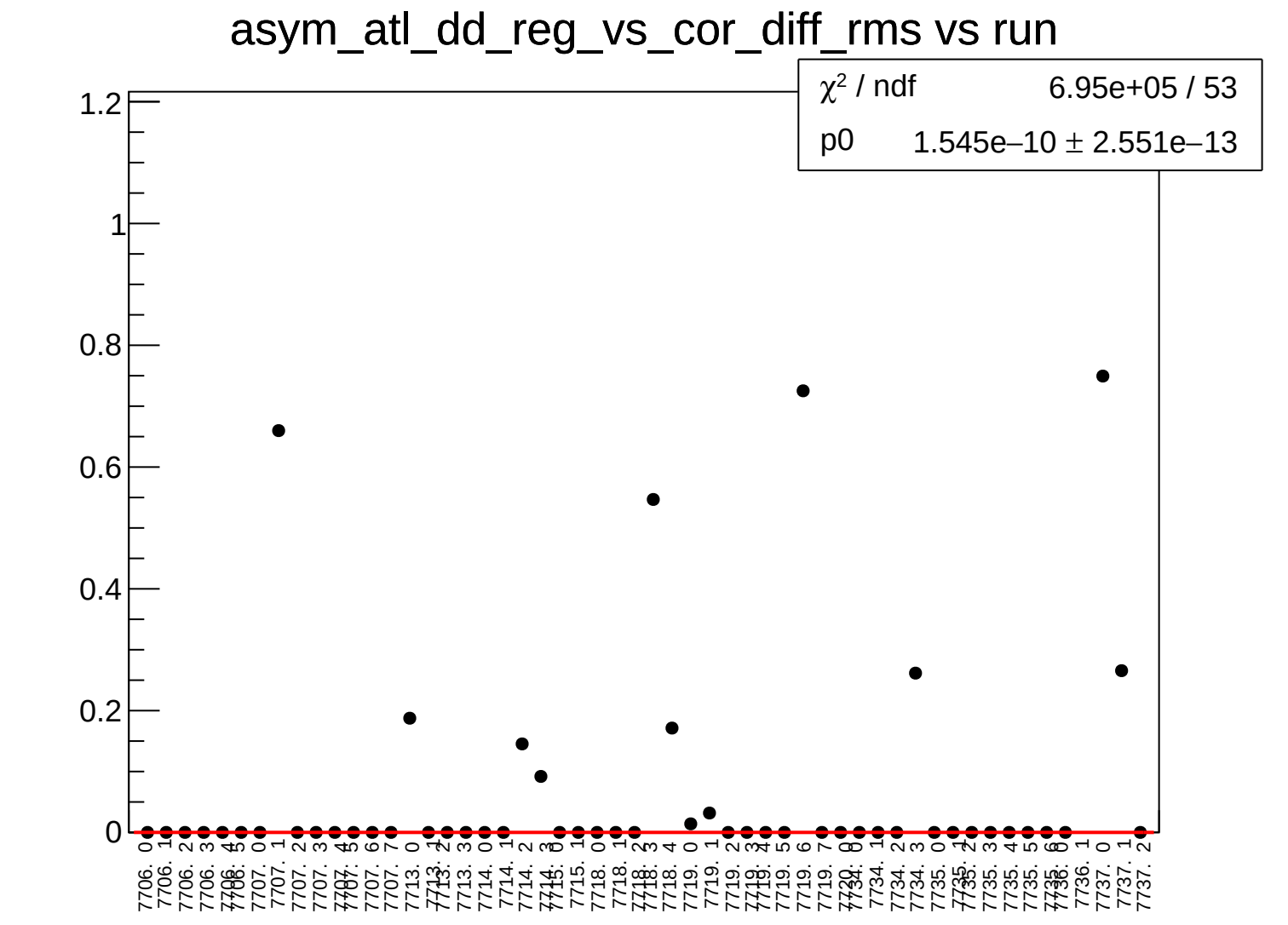

asym_atl_dd_mean vs run
×10^3
χ² / ndf 55.71 / 53
p0 −2290 ± 6337
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 107.7
Std Dev 0
2
1
0
−1
−2
−3

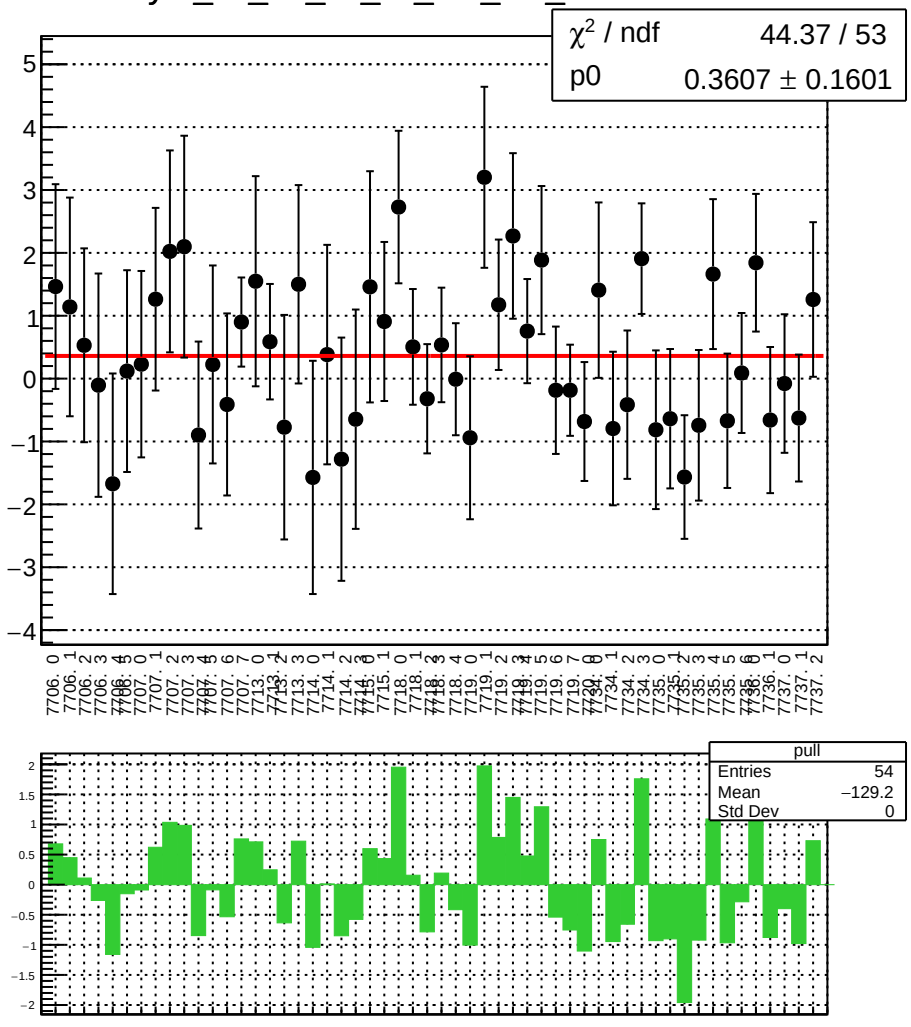

pull1D
Entries 54
Mean 0.02224
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

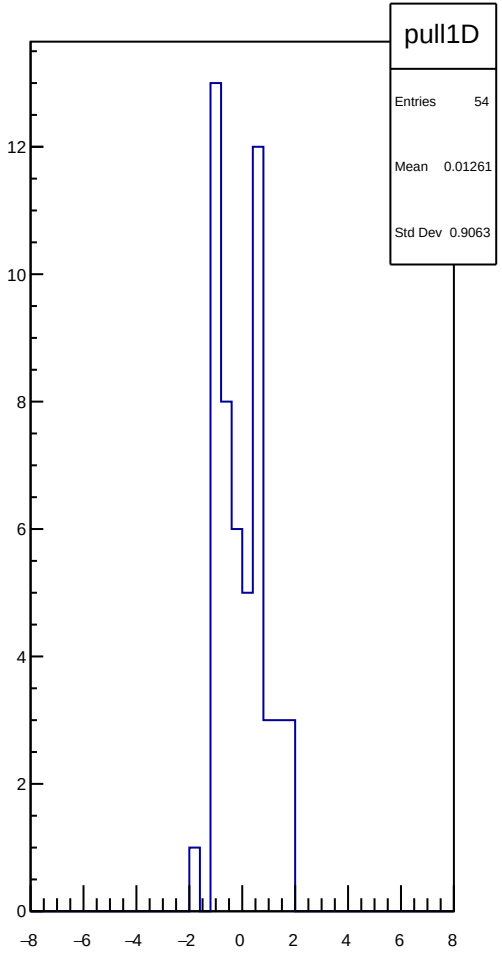

asym_atl_dd_rms vs run
χ² / ndf 9868 / 53
p0 4596 ± 4.481
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

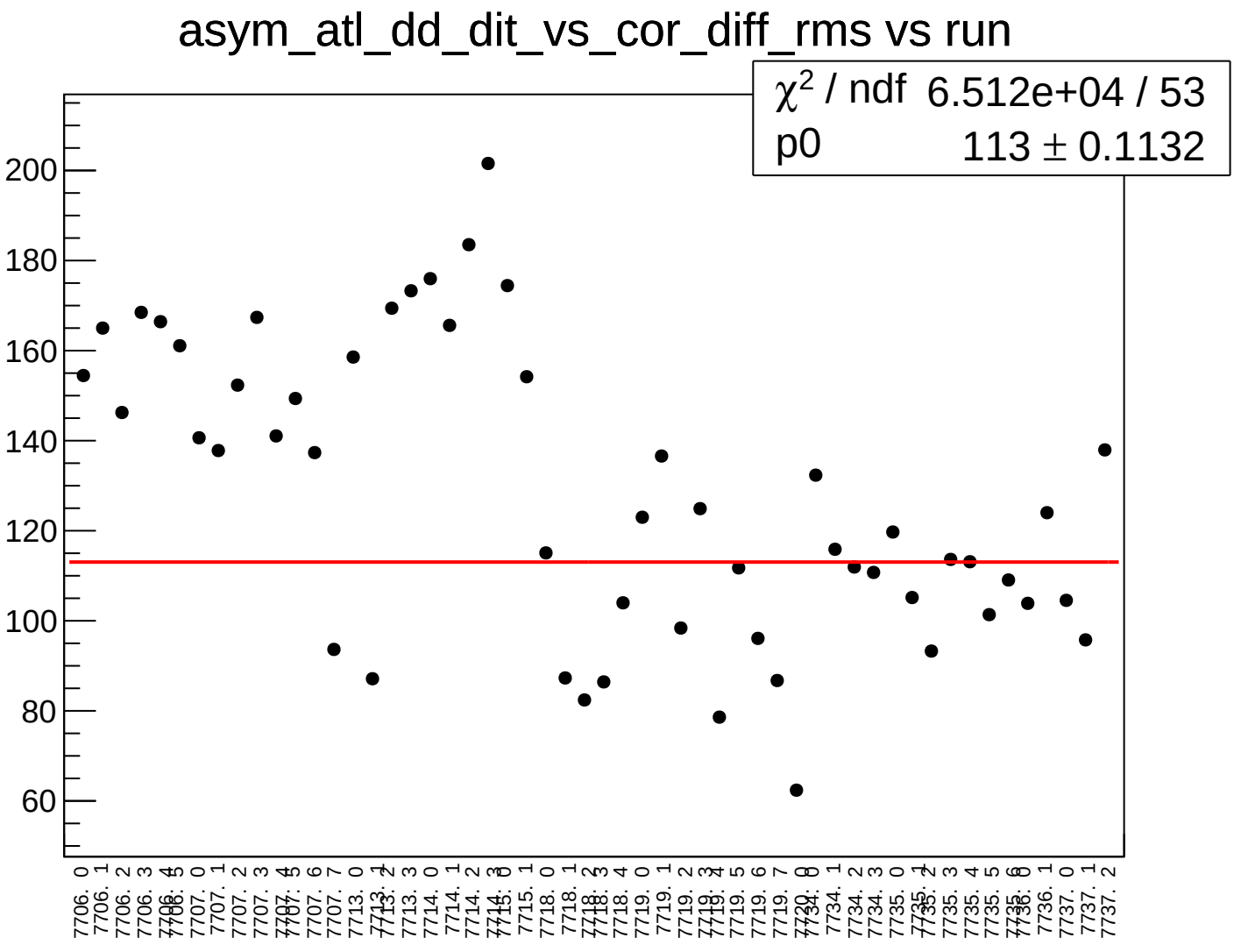

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.34 / 53
p0 −7.218e−14 ± 3.608e−13
pull
Entries 54
Mean 21.43
Std Dev 11.53

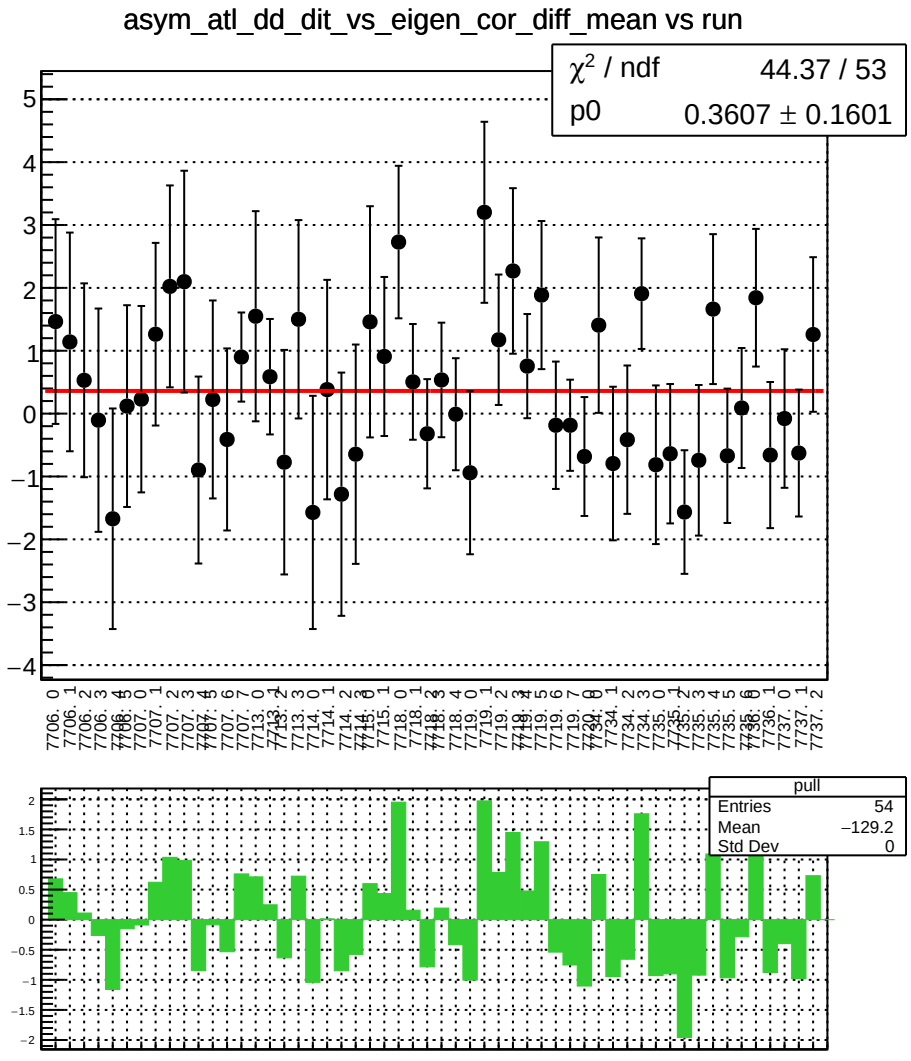

pull1D
Entries 54
Mean 0.1139
Std Dev 1.077

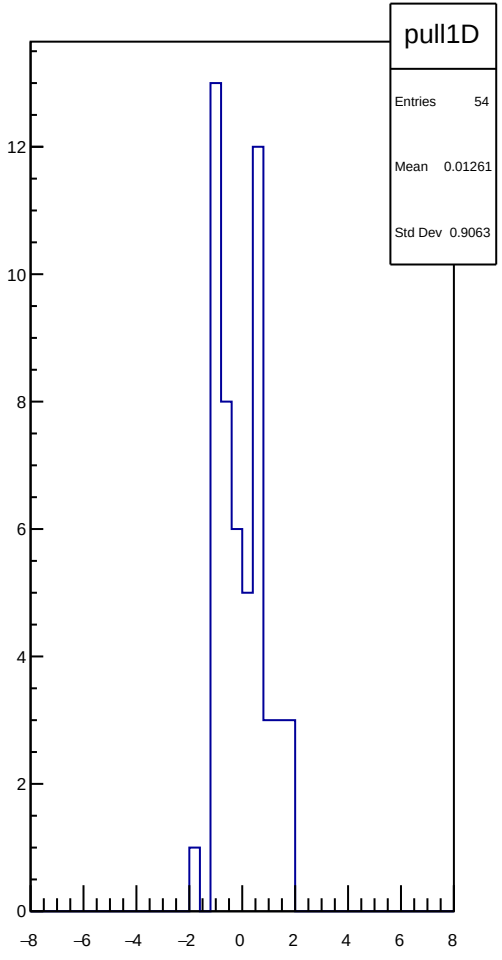

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.95e+05 / 53
p0 1.545e−10 ± 2.551e−13
1.2
1
0.8
0.6
0.4
0.2
0

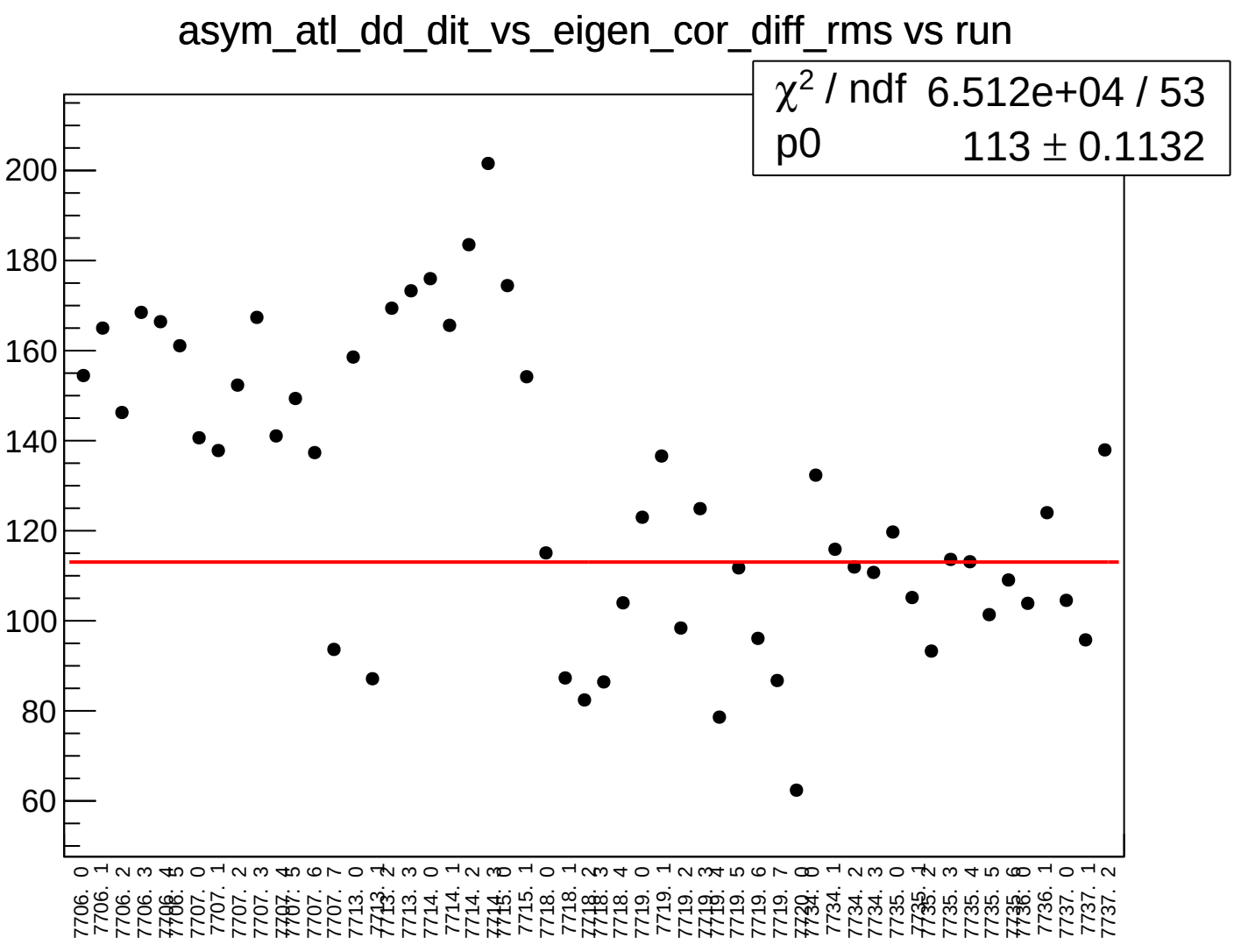

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.37 / 53
p0 0.3607 ± 0.1601
pull
Entries 54
Mean −129.2
Std Dev 0

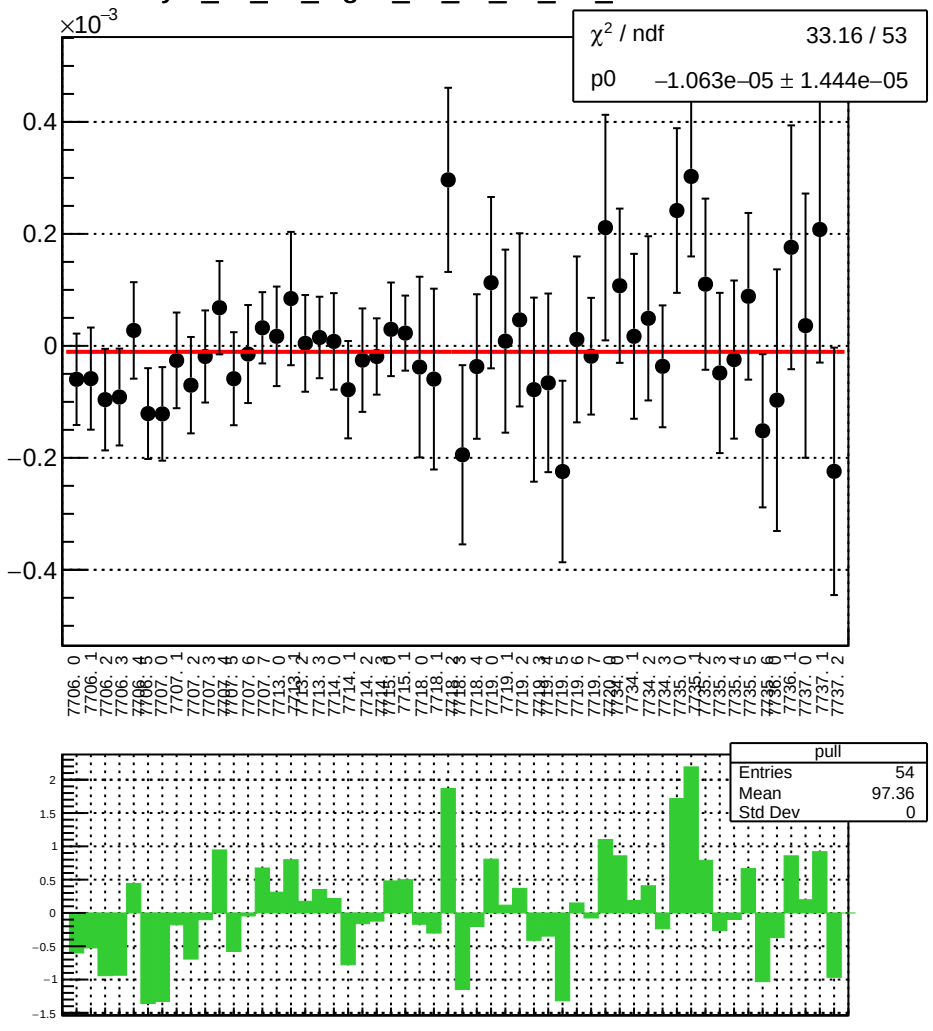

pull1D
Entries 54
Mean 0.01261
Std Dev 0.9063

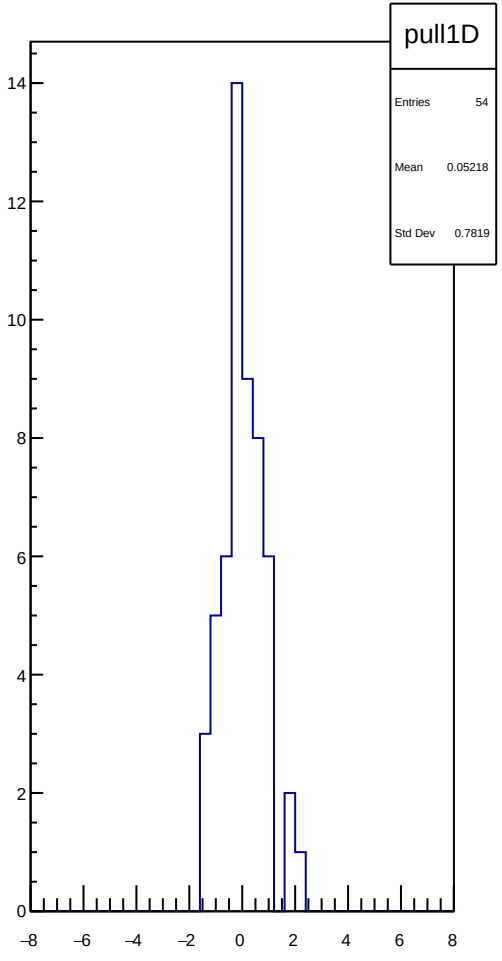

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.512e+04 / 53
p0 113 ± 0.1132
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

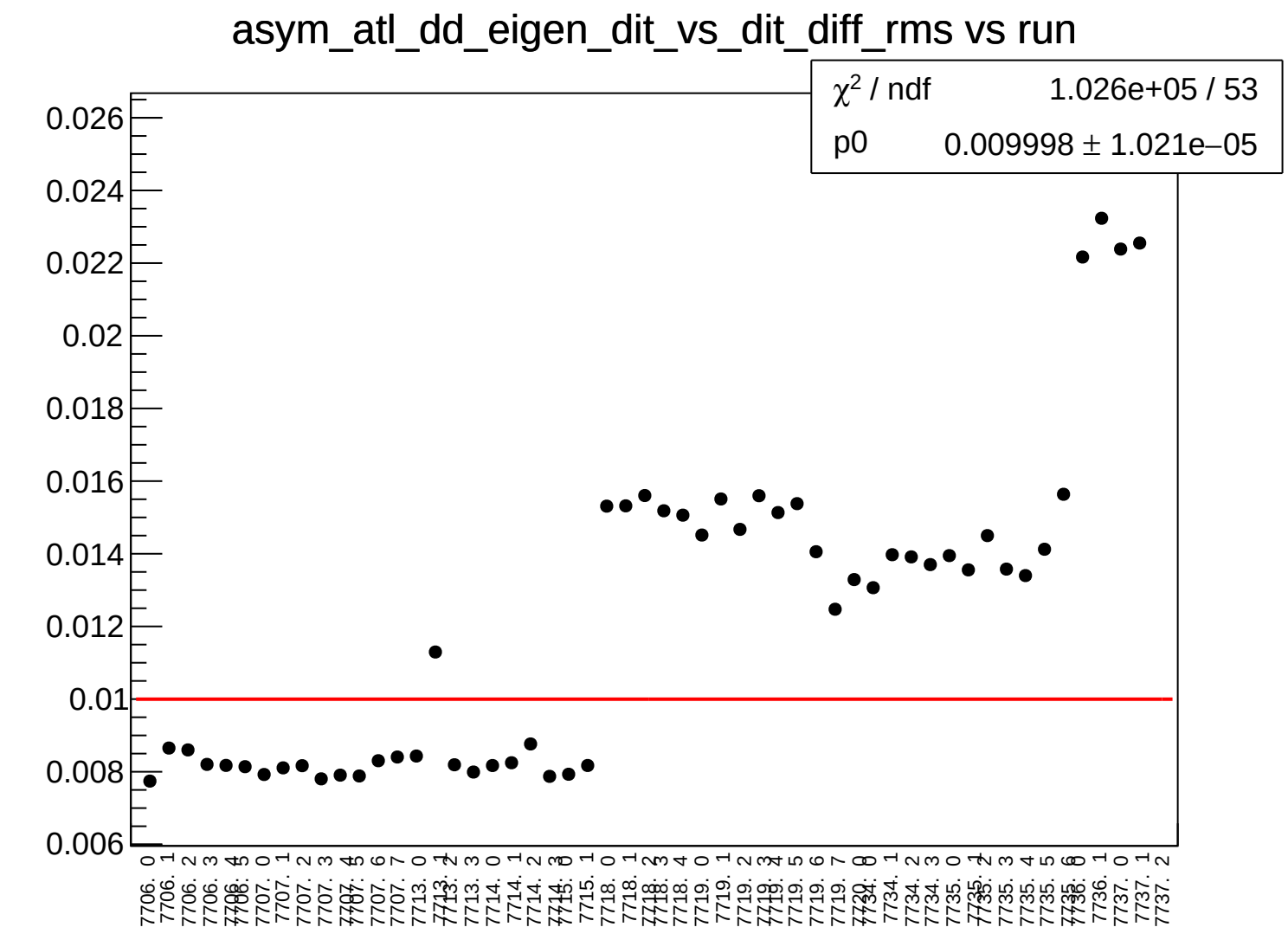

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.37 / 53
p0 0.3607 ± 0.1601
pull
Entries 54
Mean −129.2
Std Dev 0

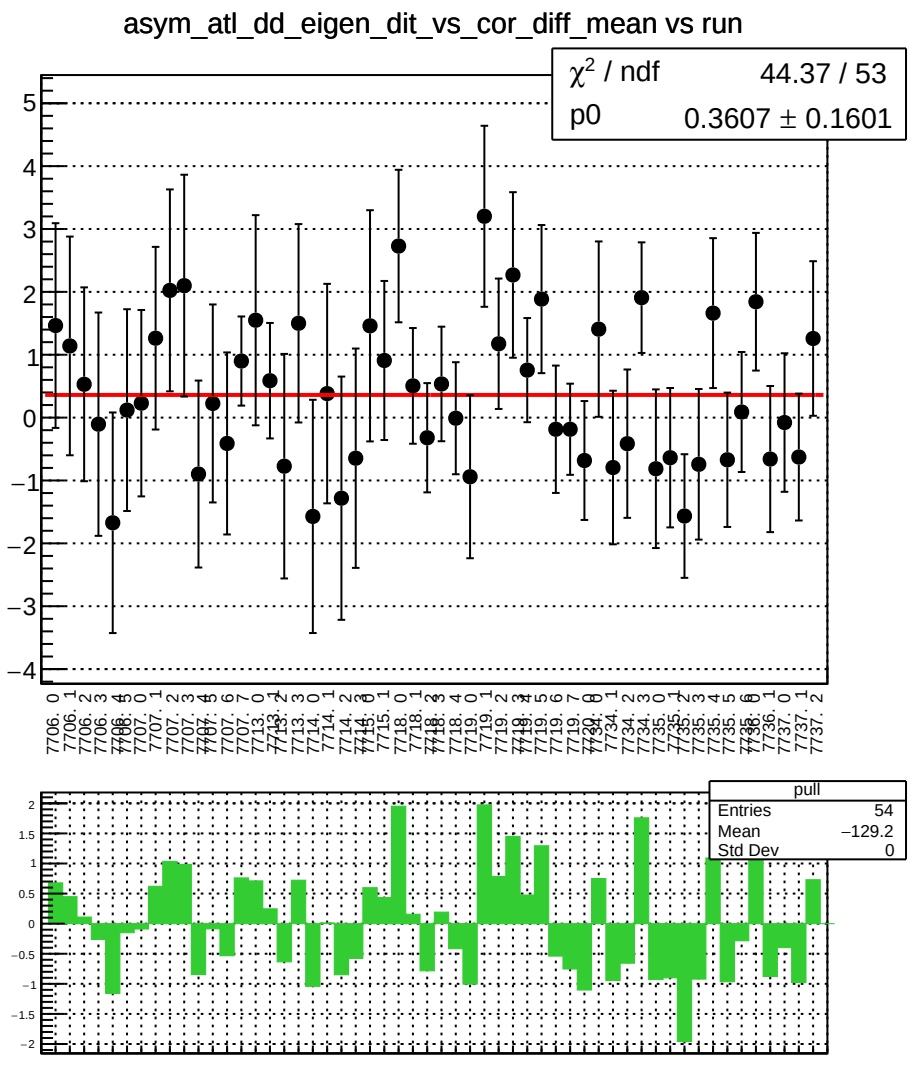

pull1D
Entries 54
Mean 0.01261
Std Dev 0.9063

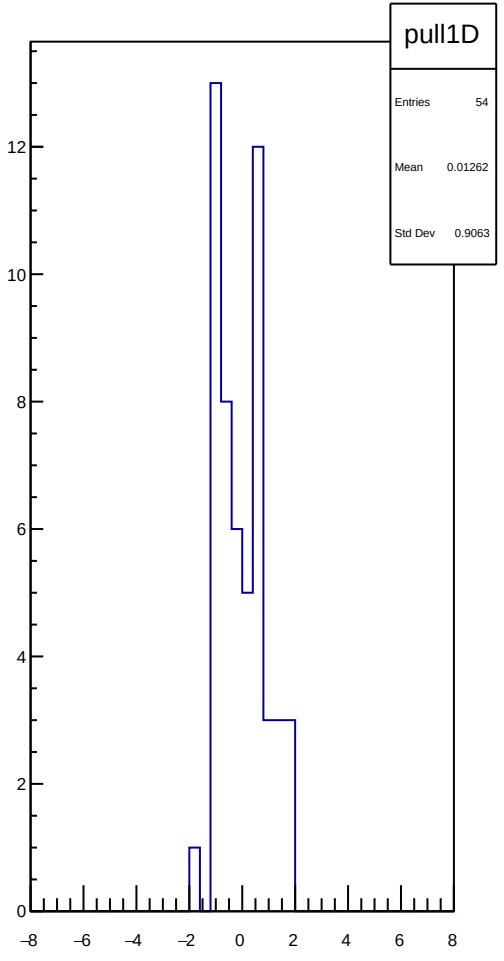

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.512e+04 / 53
p0 113 ± 0.1132
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

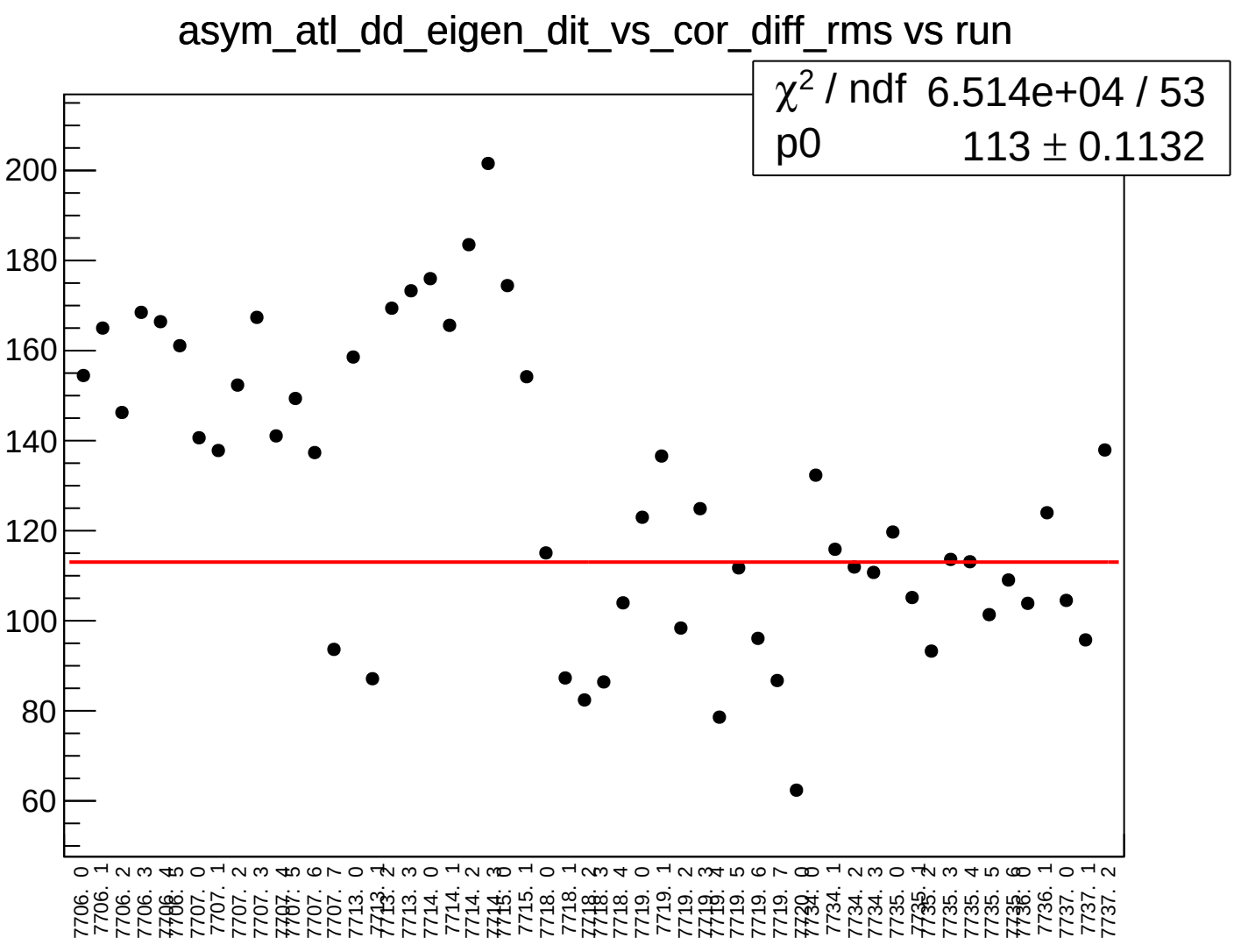

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.16 / 53
p0 −1.063e−05 ± 1.444e−05
pull
Entries 54
Mean 97.36
Std Dev 0


pull1D
Entries 54
Mean 0.05218
Std Dev 0.7819

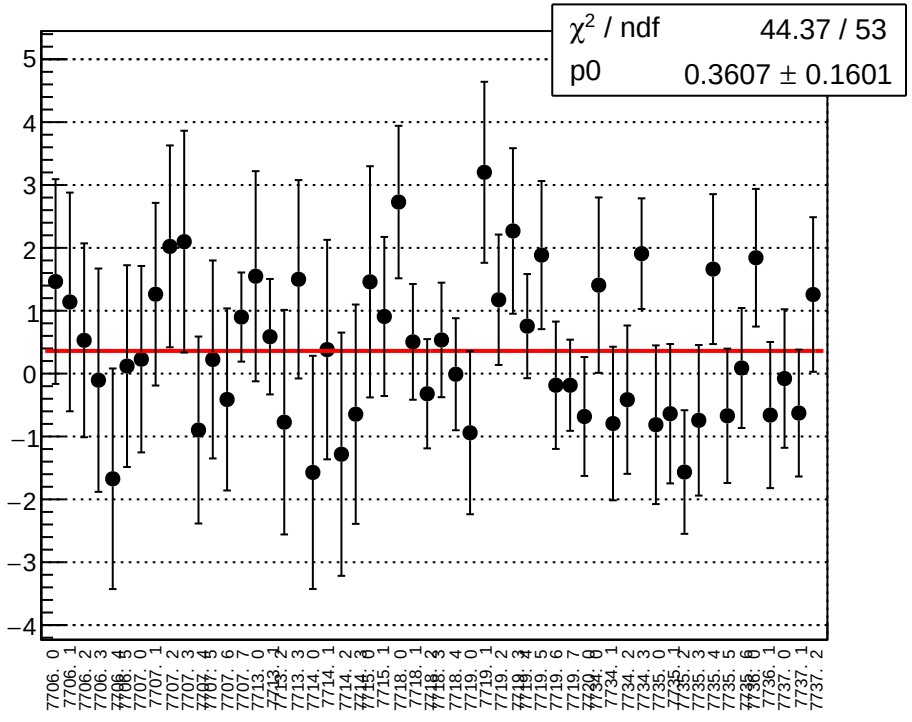

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.026e+05 / 53
p0 0.009998 ± 1.021e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

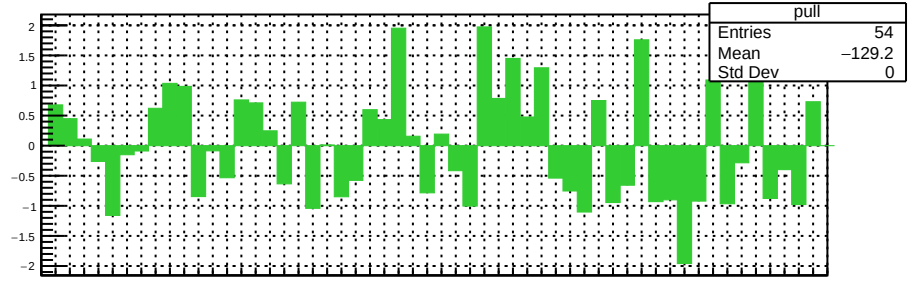

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.37 / 53
p0 0.3607 ± 0.1601
pull
Entries 54
Mean −129.2
Std Dev 0

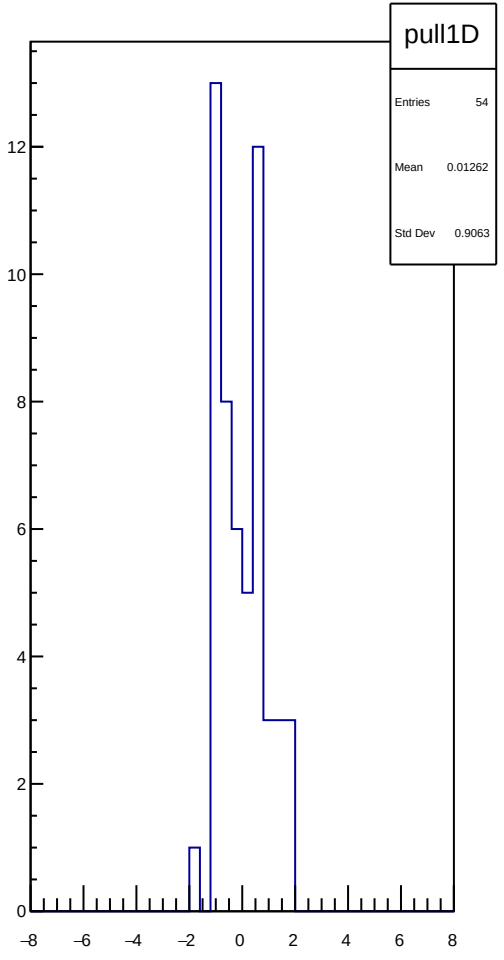

pull1D
Entries 54
Mean 0.01262
Std Dev 0.9063

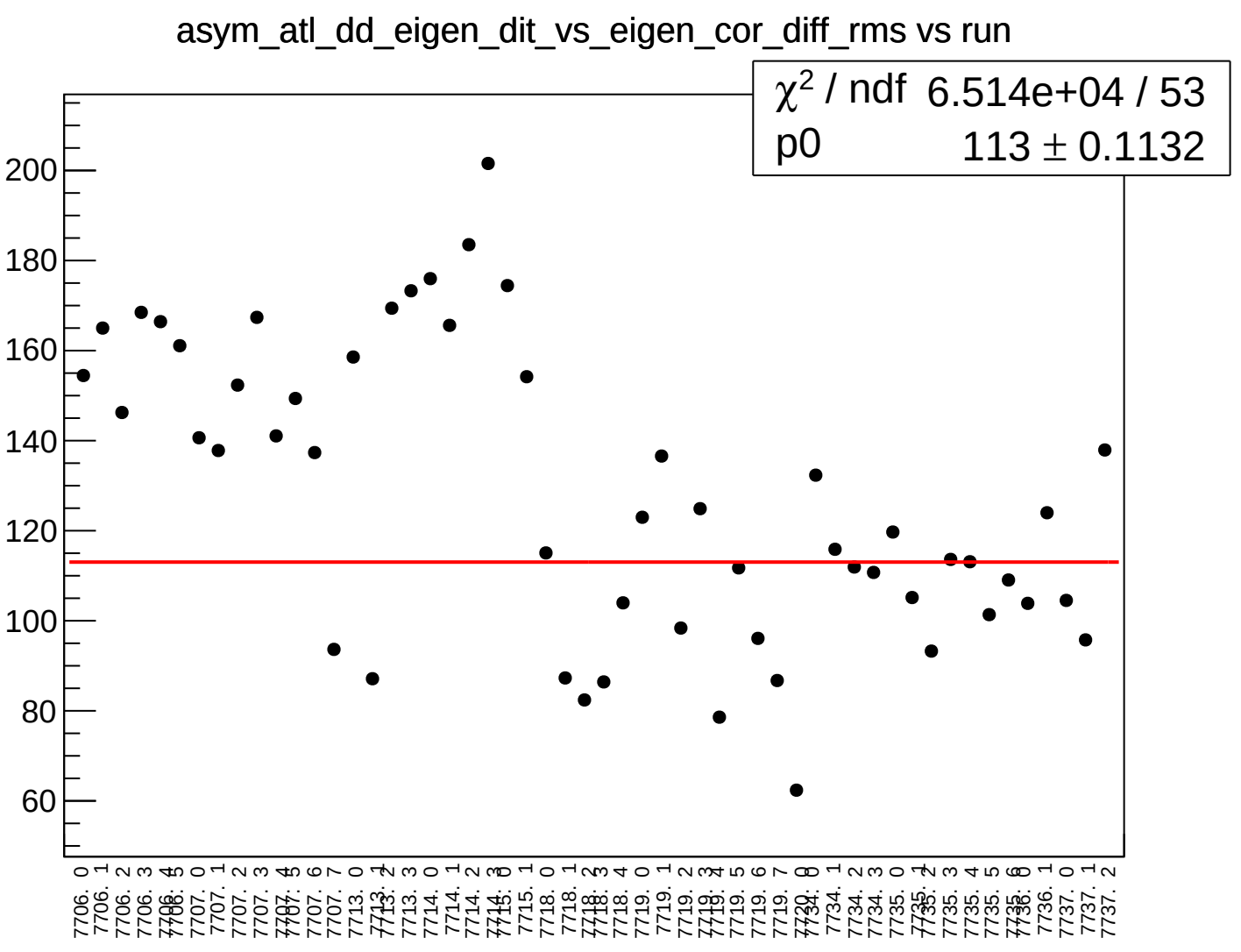

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.514e+04 / 53
p0 113 ± 0.1132
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

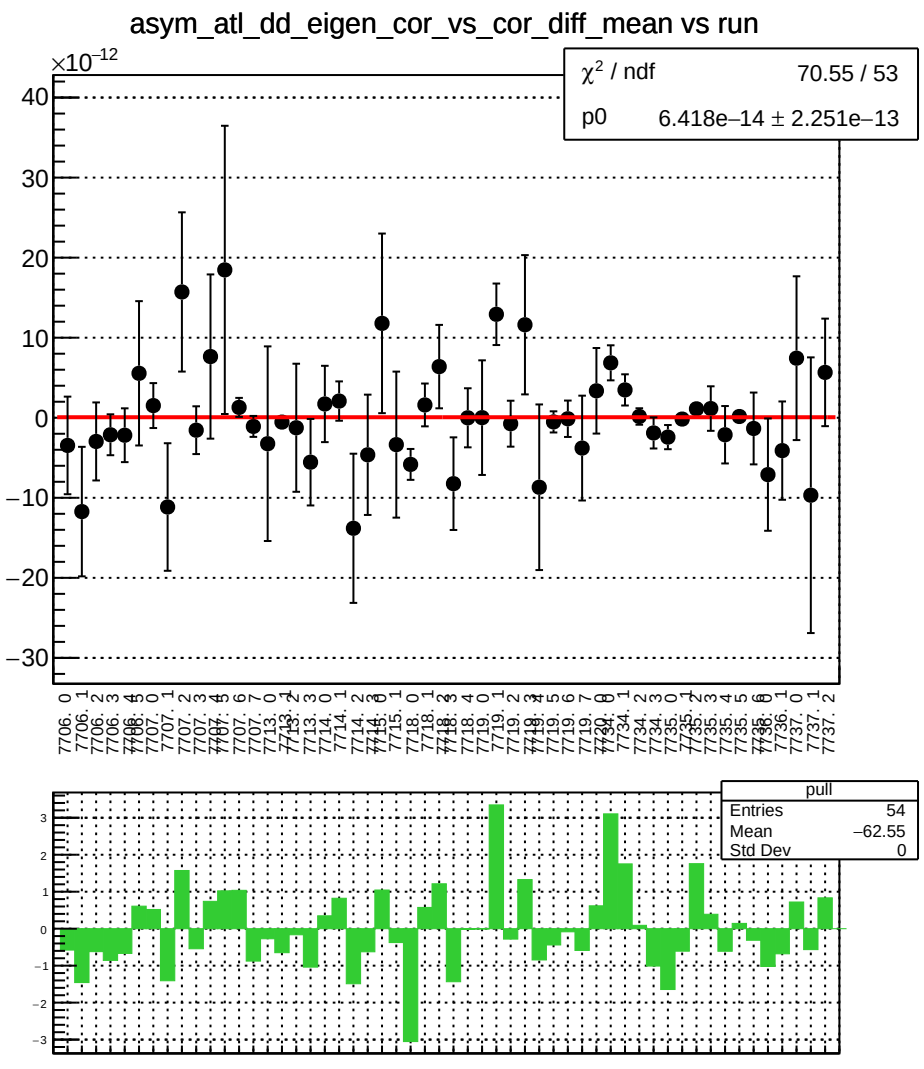
asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

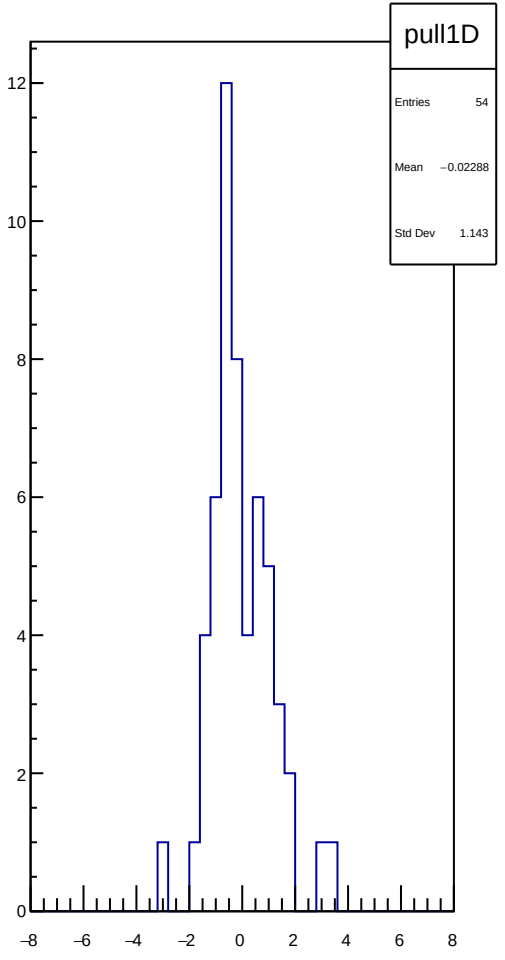


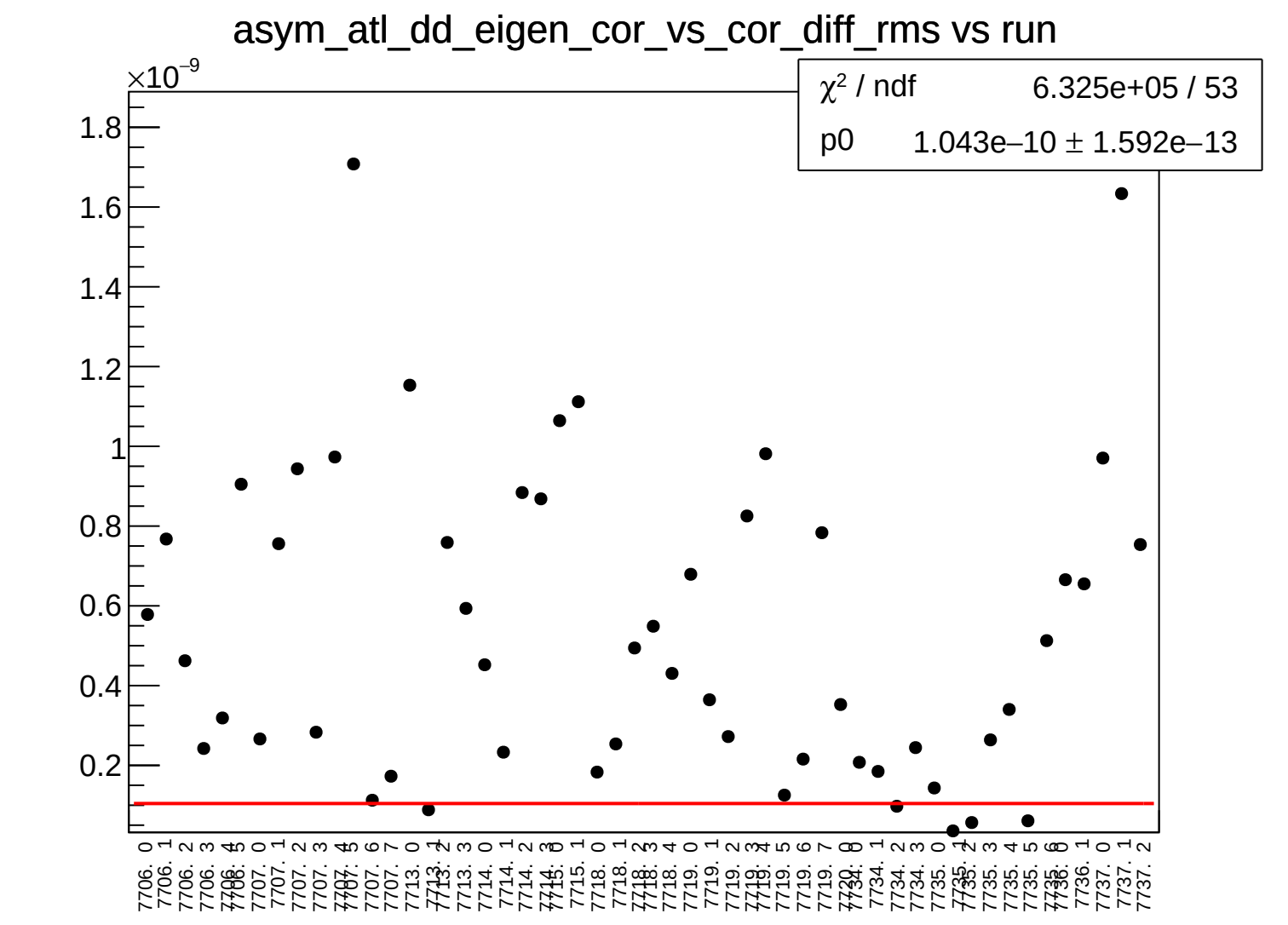


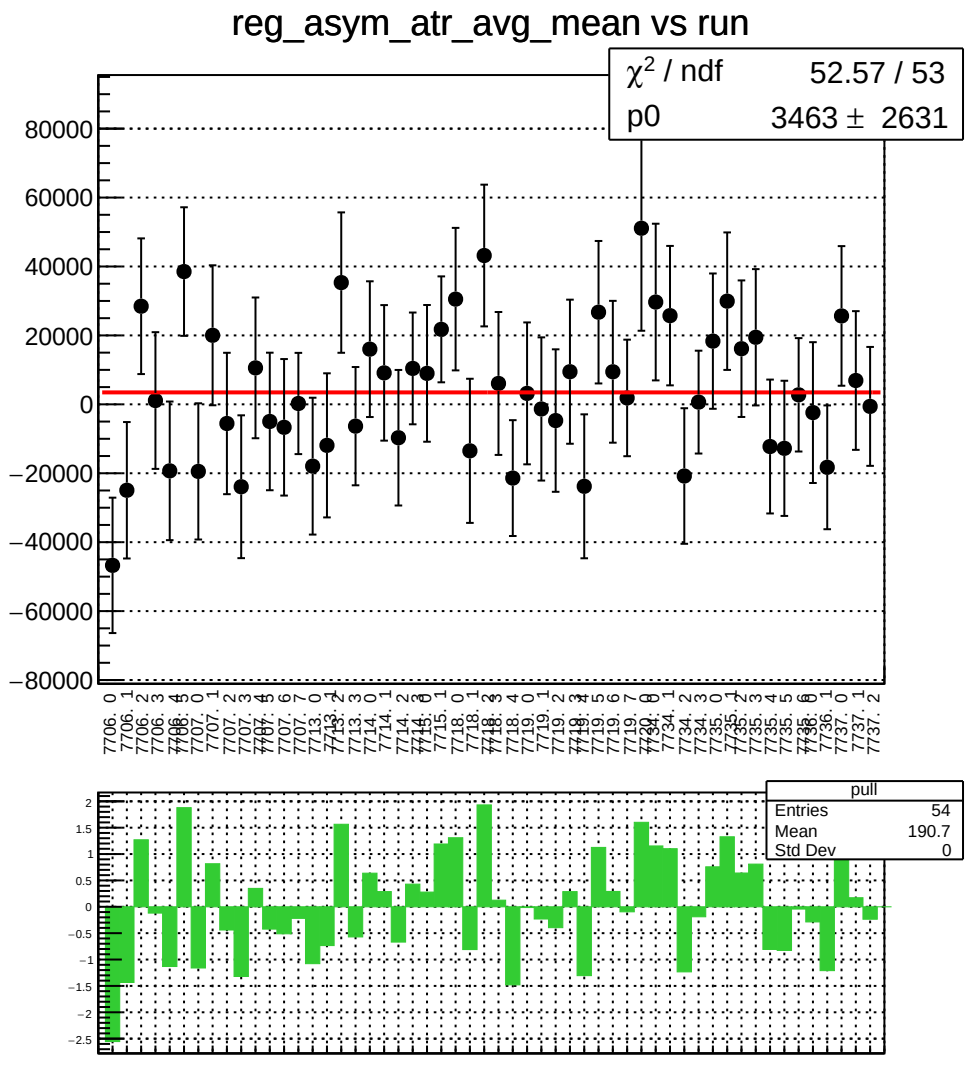


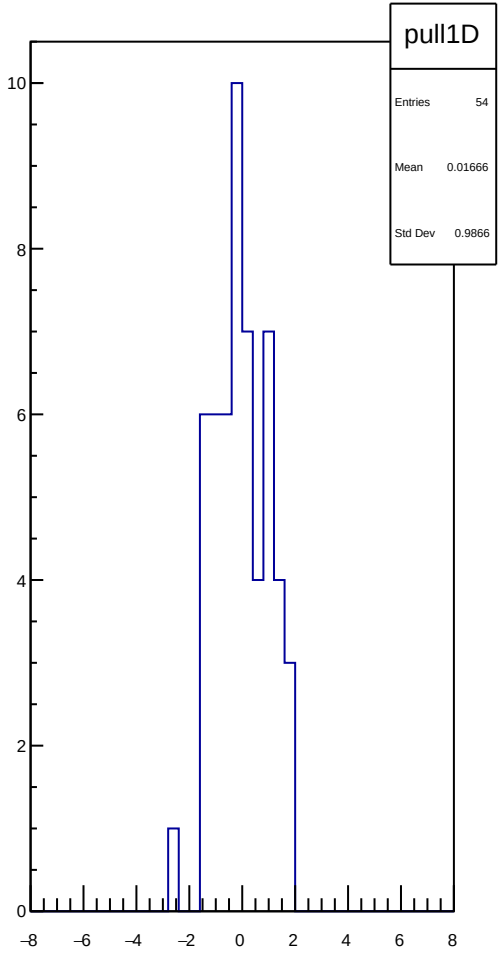

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.514e+04 / 53
p0 113 ± 0.1132
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

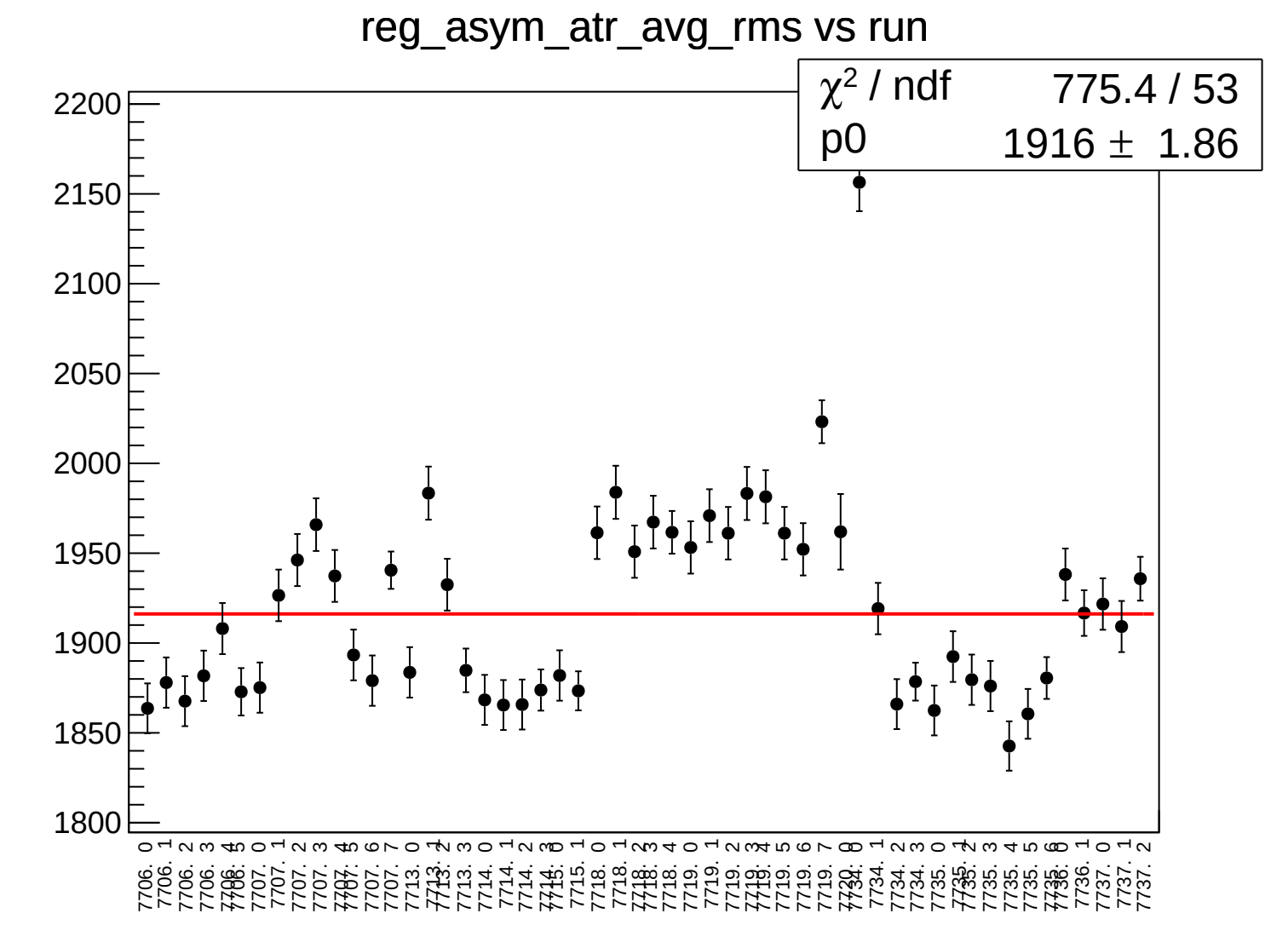

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.55 / 53
p0 6.418e−14 ± 2.251e−13
pull
Entries 54
Mean −62.55
Std Dev 0

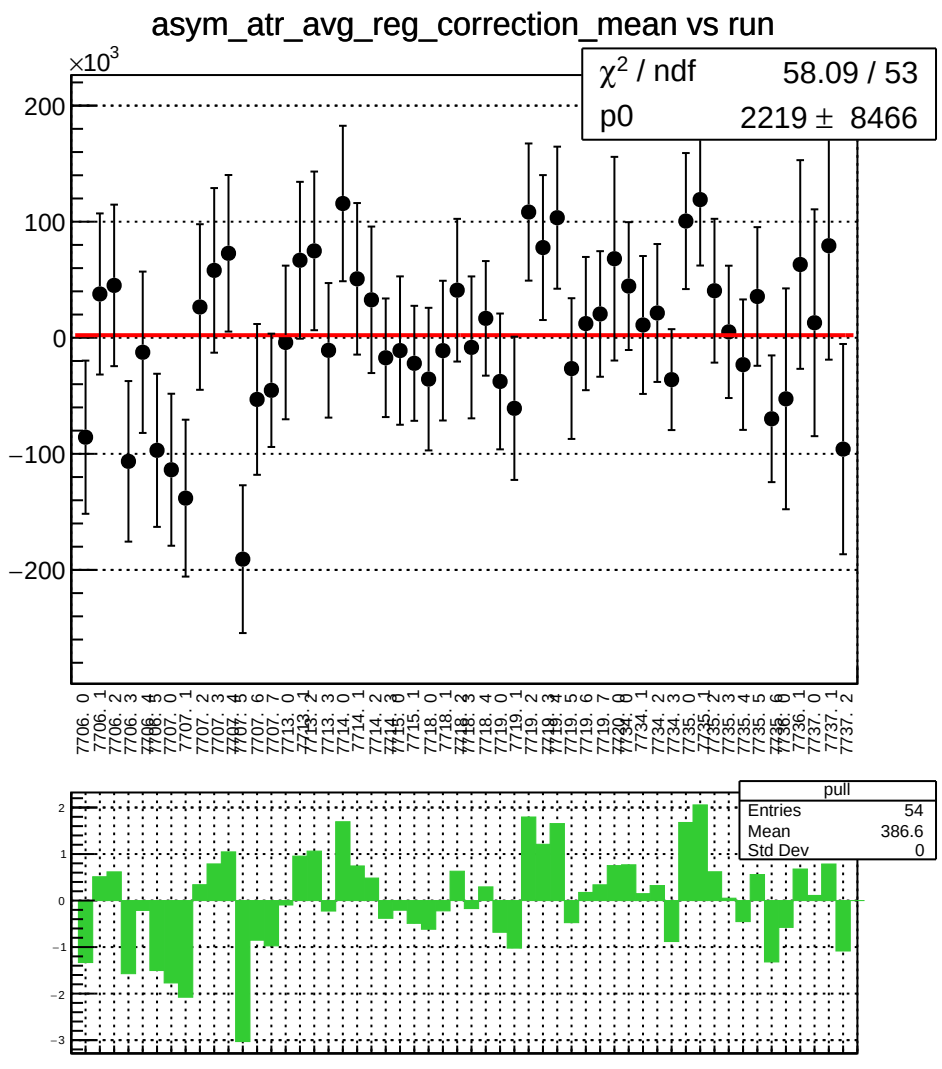

pull1D
Entries 54
Mean −0.02288
Std Dev 1.143

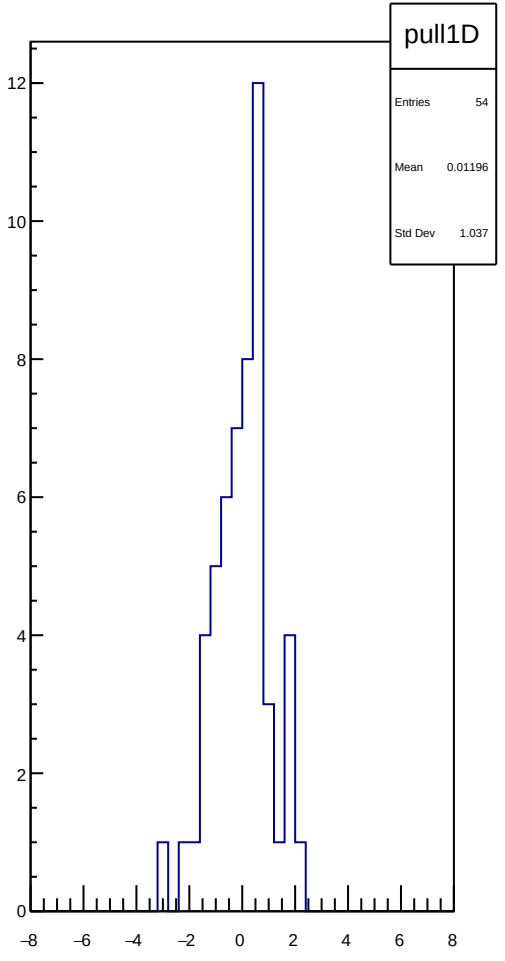

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.325e+05 / 53
p0 1.043e−10 ± 1.592e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

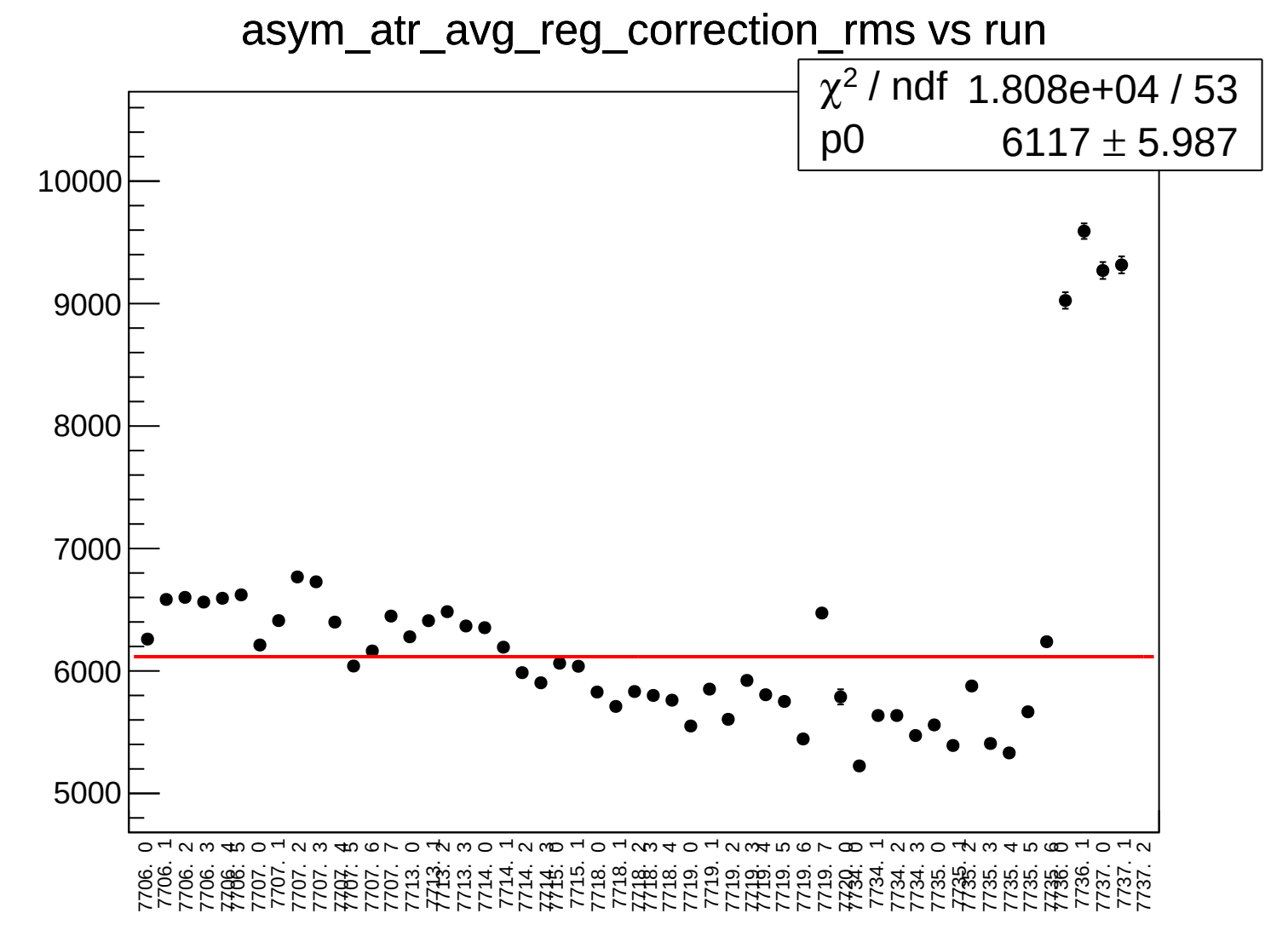

reg_asym_atr_avg_mean vs run
χ² / ndf 52.57 / 53
p0 3463 ± 2631
pull
Entries 54
Mean 190.7
Std Dev 0

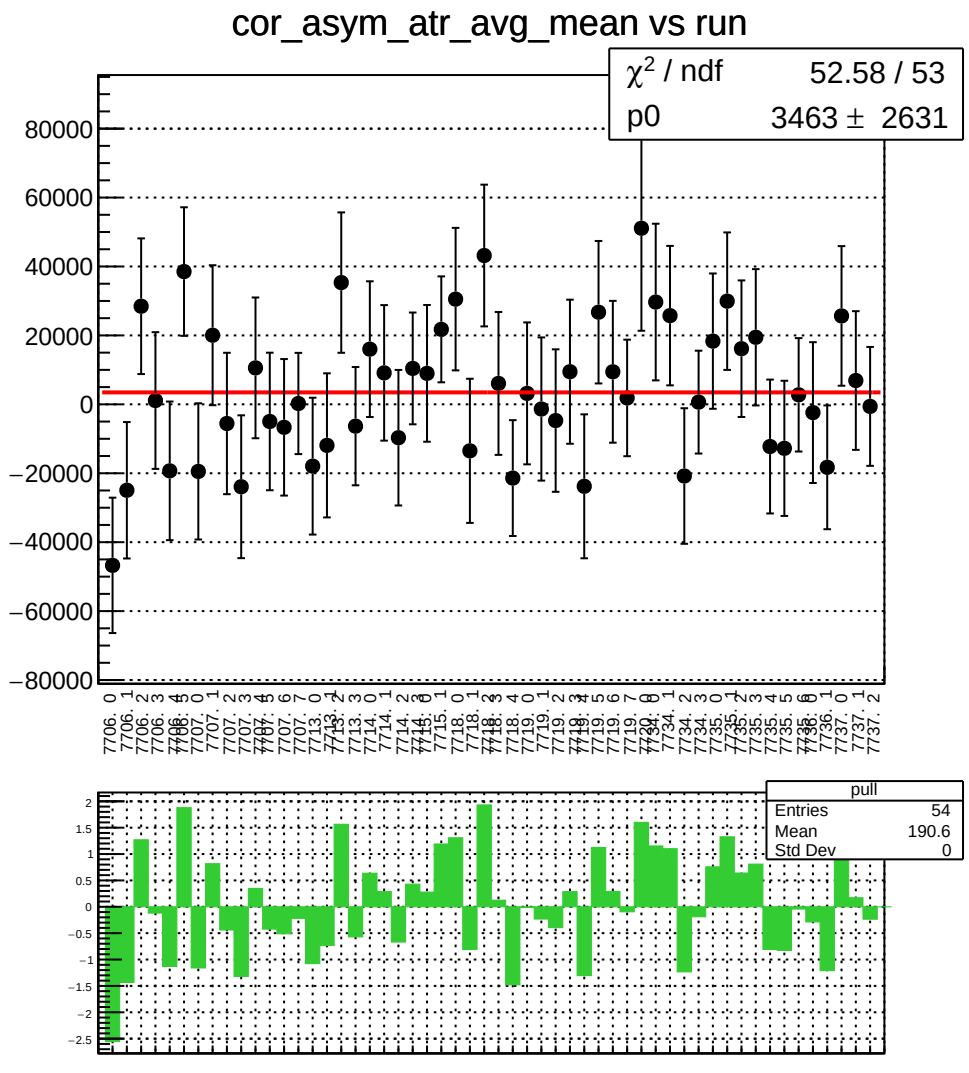

pull1D
Entries 54
Mean 0.01666
Std Dev 0.9866

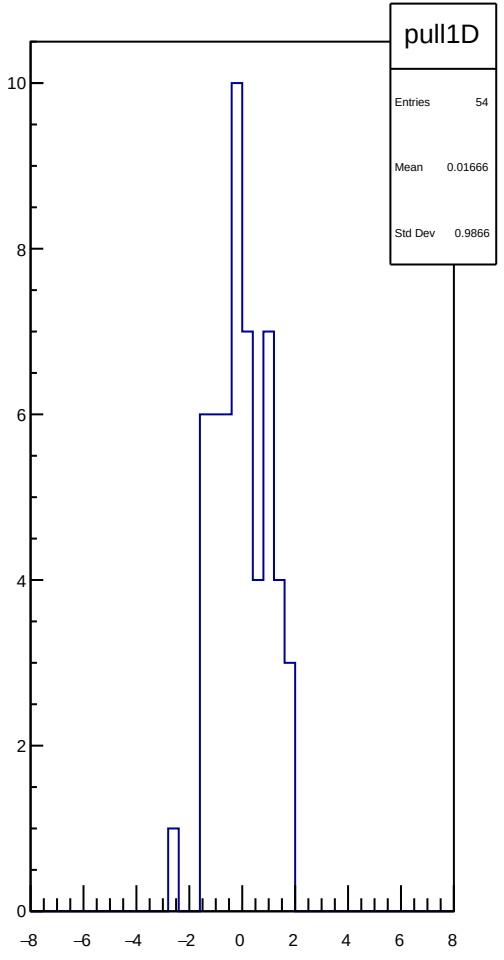

reg_asym_atr_avg_rms vs run
χ² / ndf 775.4 / 53
p0 1916 ± 1.86
2200
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

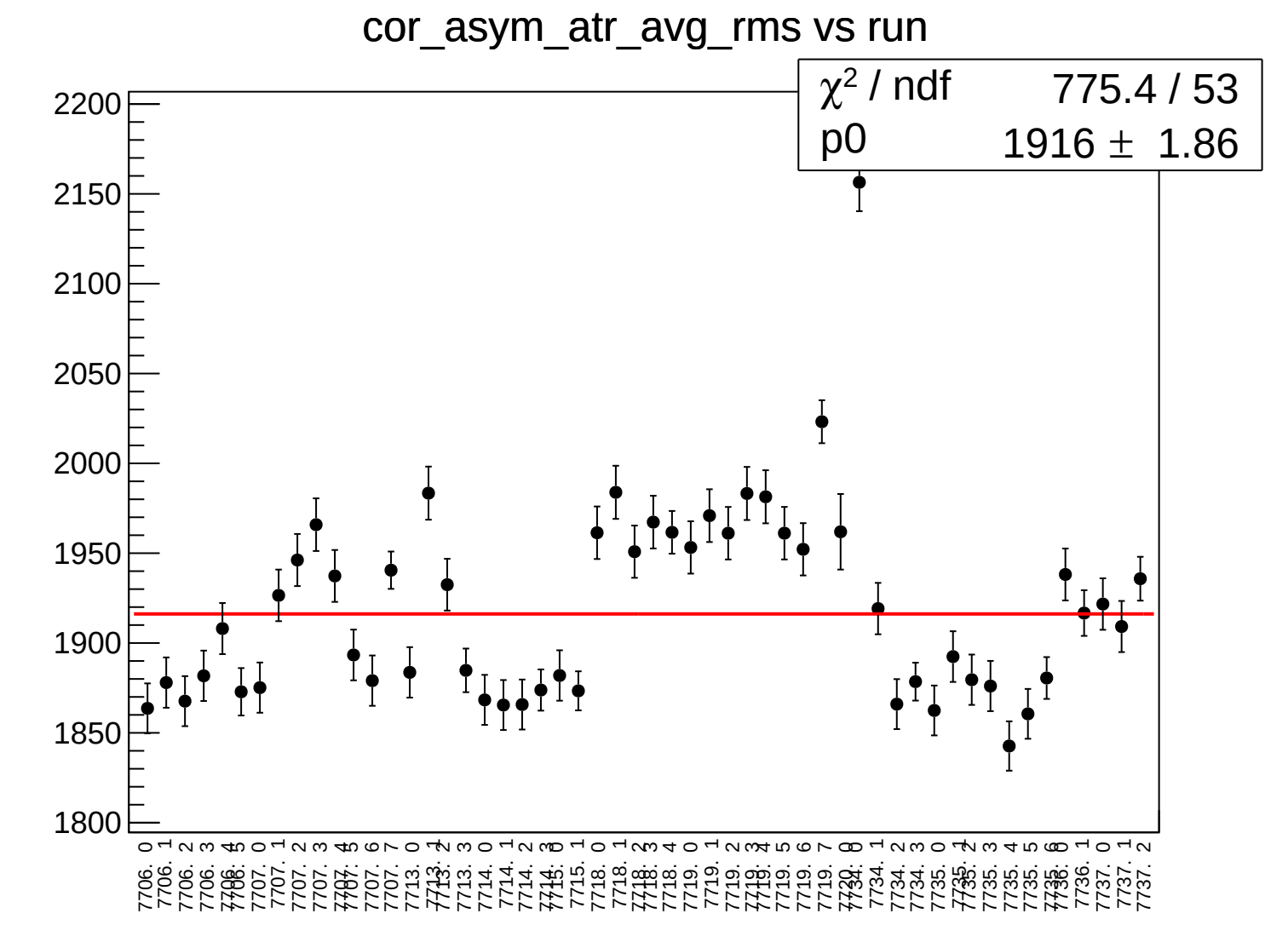

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.09 / 53
p0 2219 ± 8466
200
100
0
−100
−200
pull
Entries 54
Mean 386.6
Std Dev 0
2
1
0
−1
−2
−3

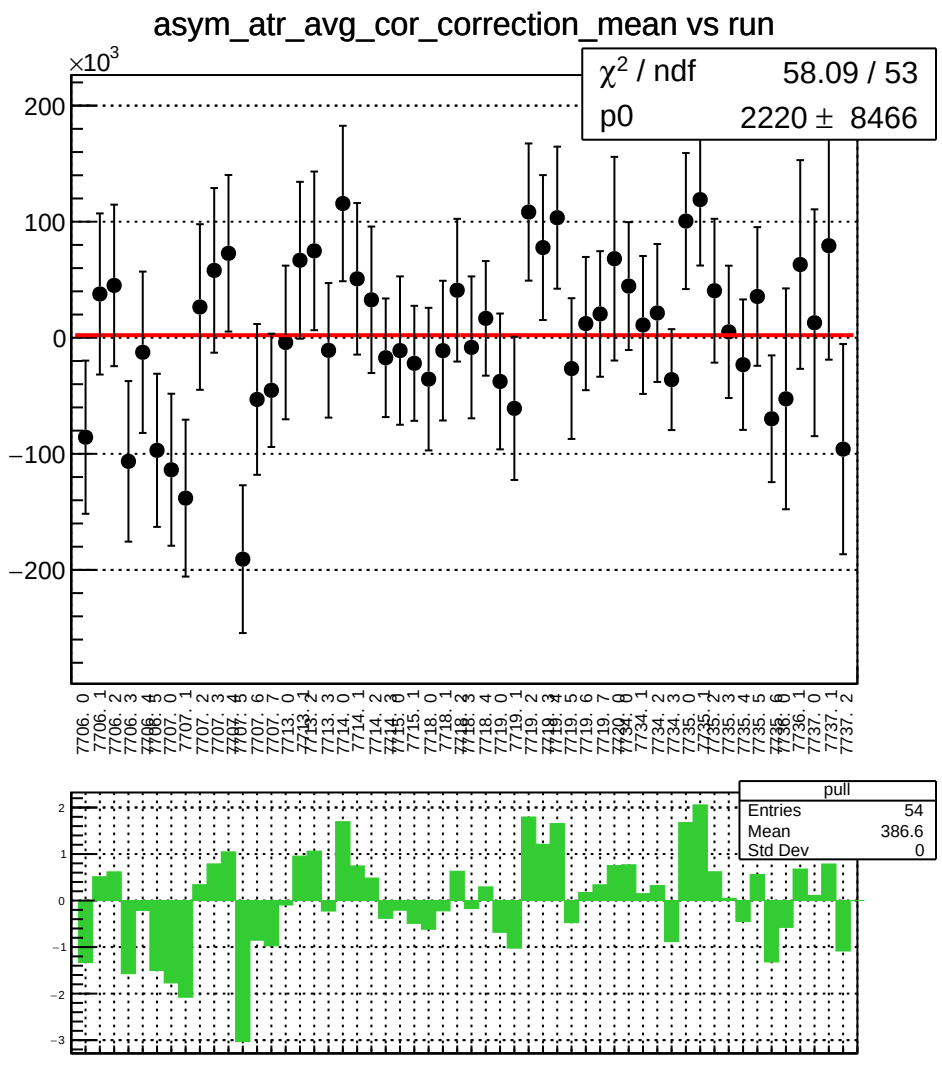

pull1D
Entries 54
Mean 0.01196
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

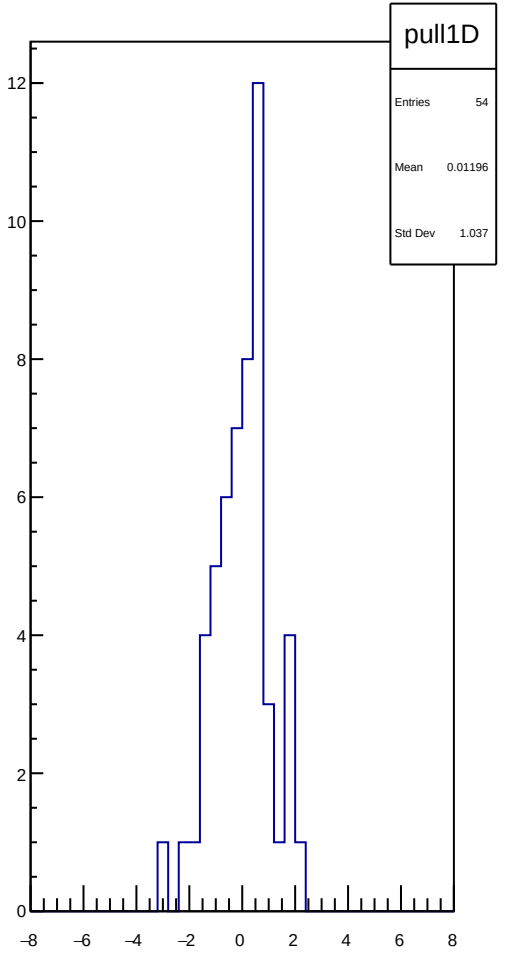

asym_atr_avg_reg_correction_rms vs run
χ^2 / ndf 1.808e+04 / 53
p0 6117 ± 5.987
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

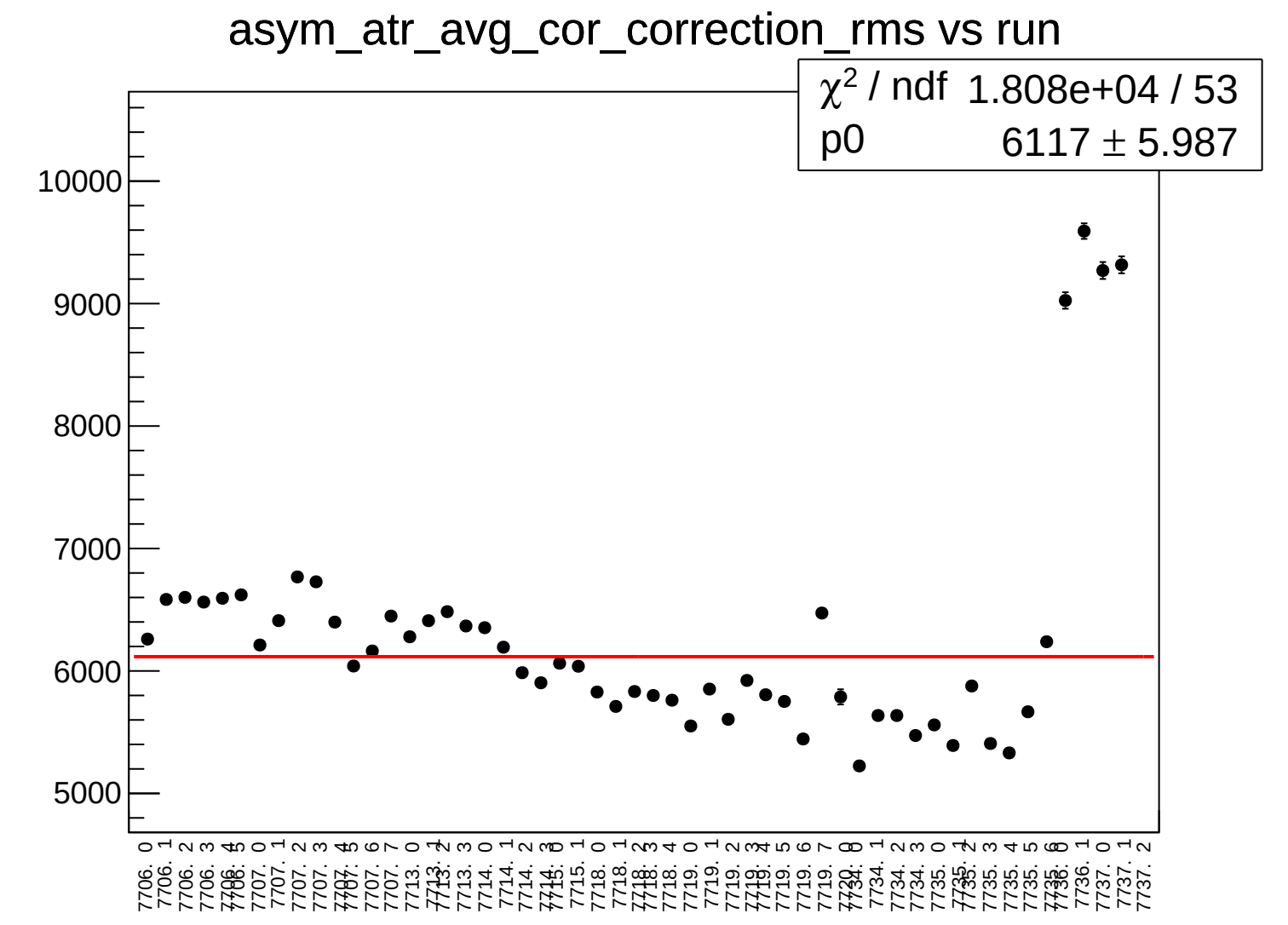

cor_asym_atr_avg_mean vs run
χ² / ndf 52.58 / 53
p0 3463 ± 2631
pull
Entries 54
Mean 190.6
Std Dev 0

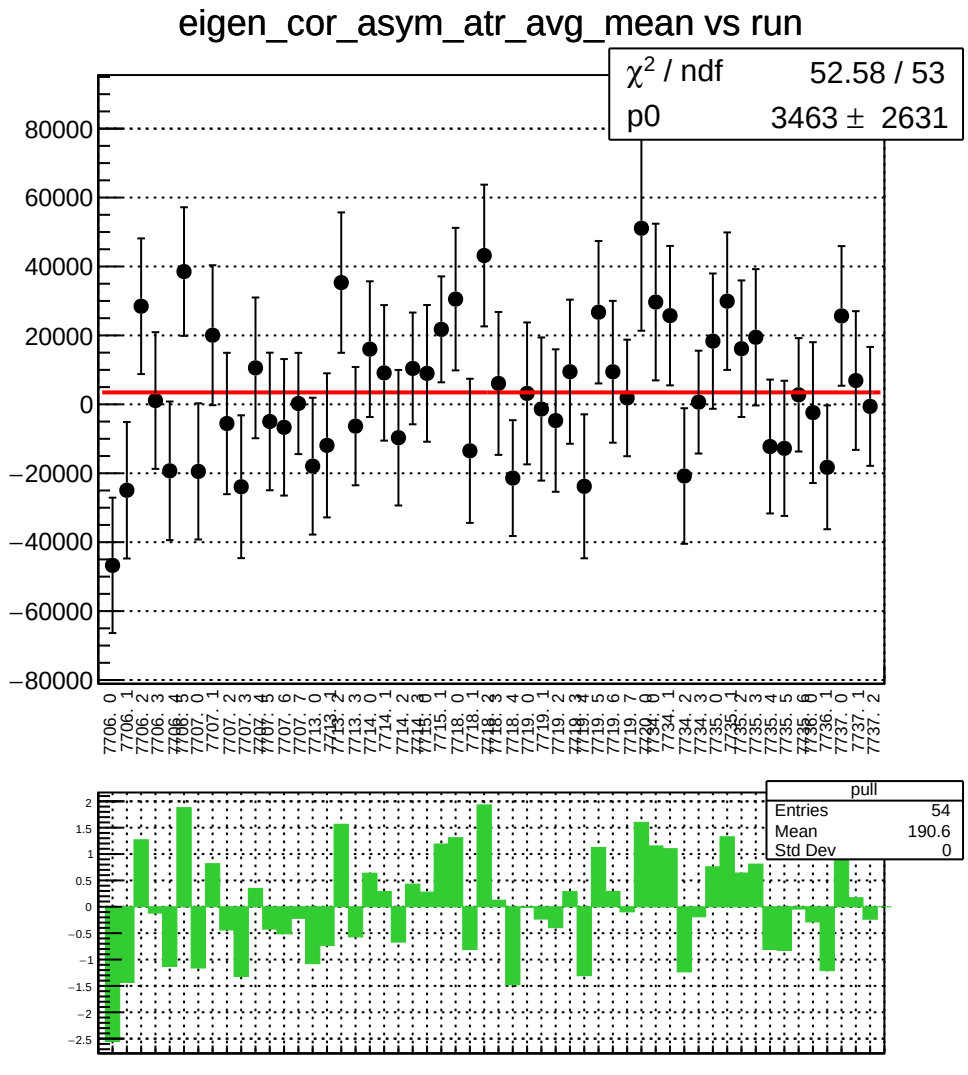

pull1D
Entries 54
Mean 0.01666
Std Dev 0.9866

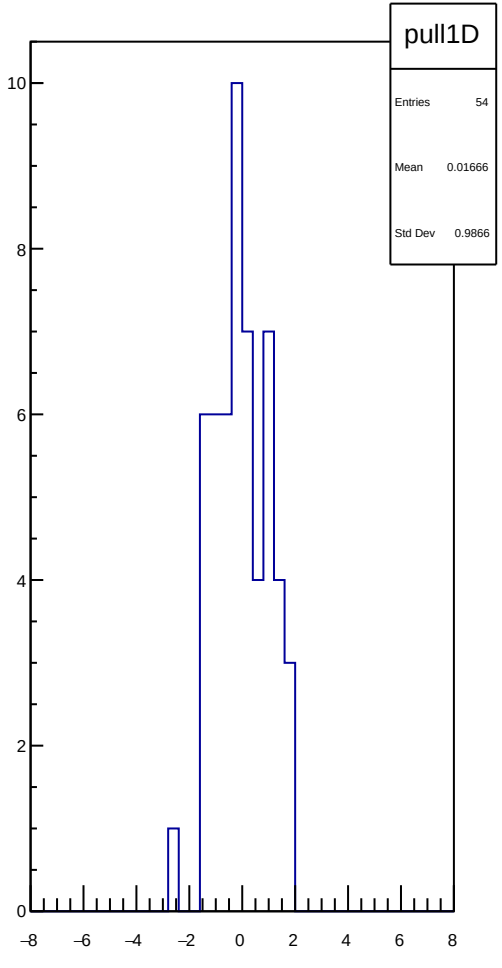

cor_asym_atr_avg_rms vs run
χ² / ndf 775.4 / 53
p0 1916 ± 1.86
2200
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

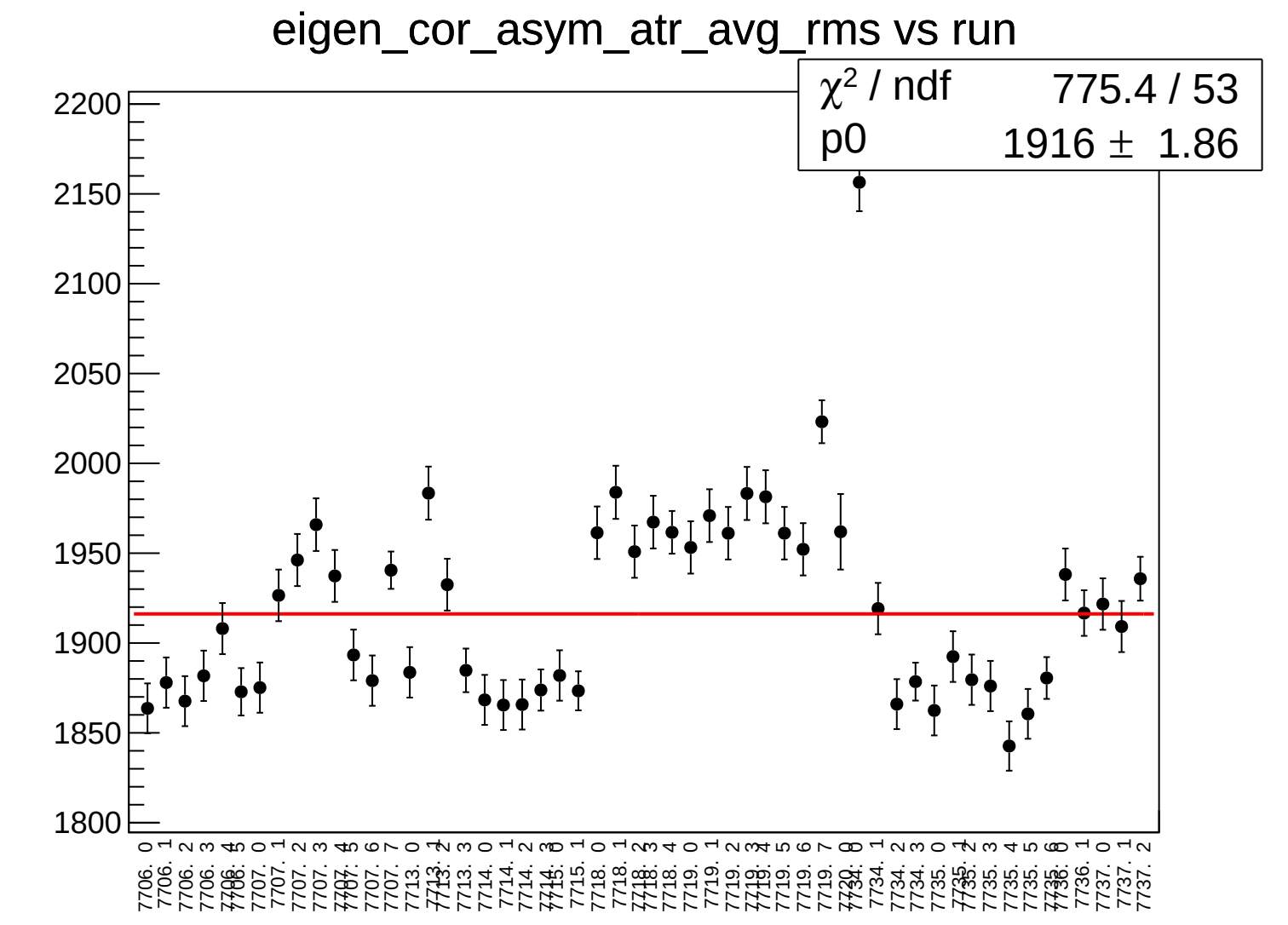

asym_atr_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.09 / 53
p0 2220 ± 8466
200
100
0
−100
−200
pull
Entries 54
Mean 386.6
Std Dev 0
2
1
0
−1
−2
−3

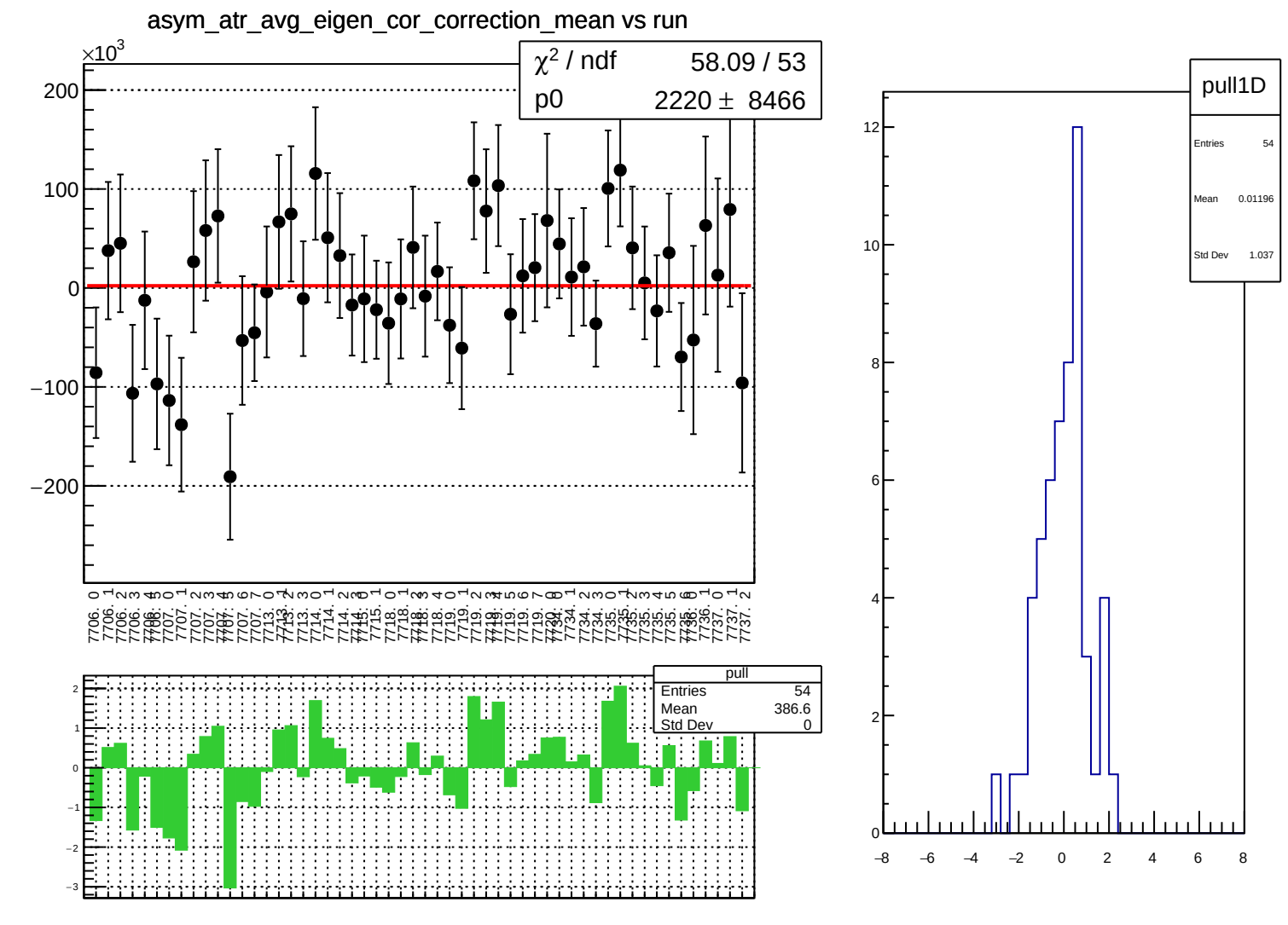

pull1D
Entries 54
Mean 0.01196
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

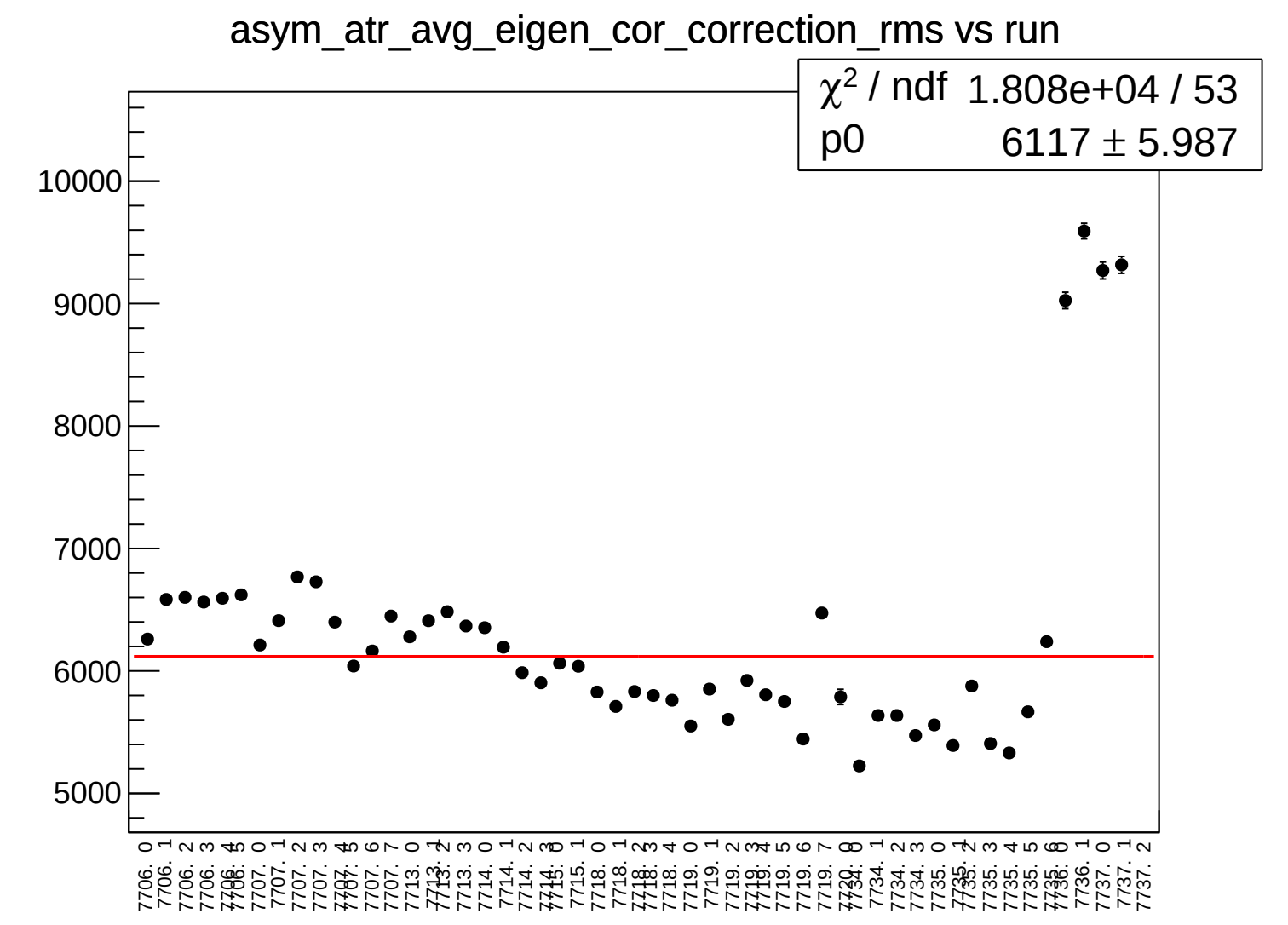

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1.808e+04 / 53
p0 6117 ± 5.987
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

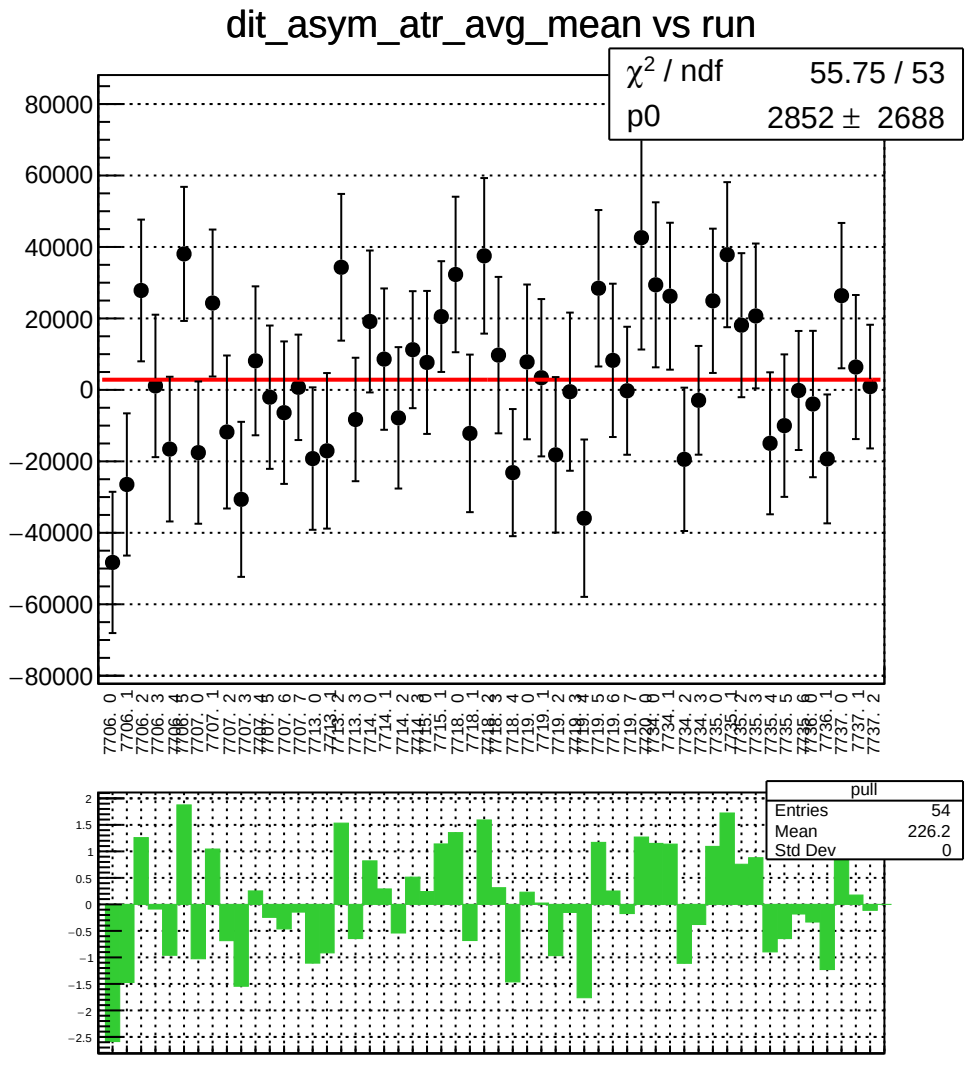

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 52.58 / 53
p0 3463 ± 2631
pull
Entries 54
Mean 190.6
Std Dev 0

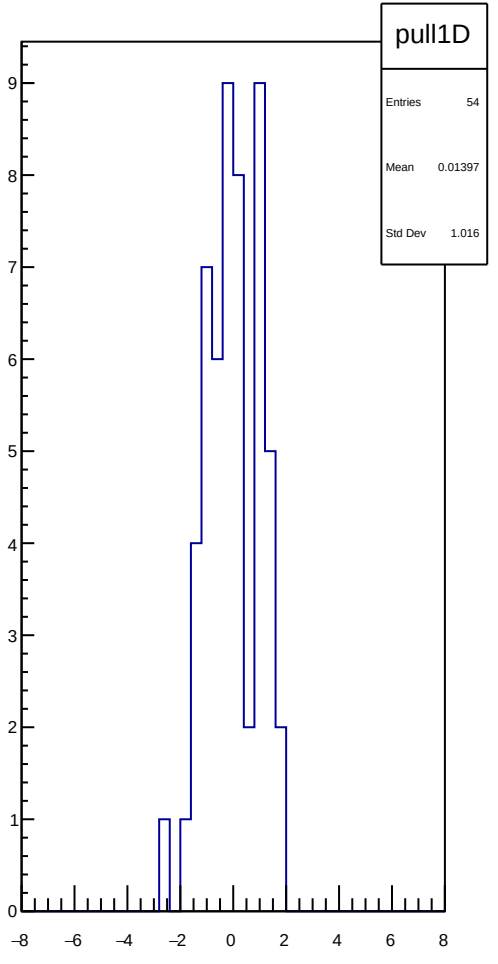

pull1D
Entries 54
Mean 0.01666
Std Dev 0.9866

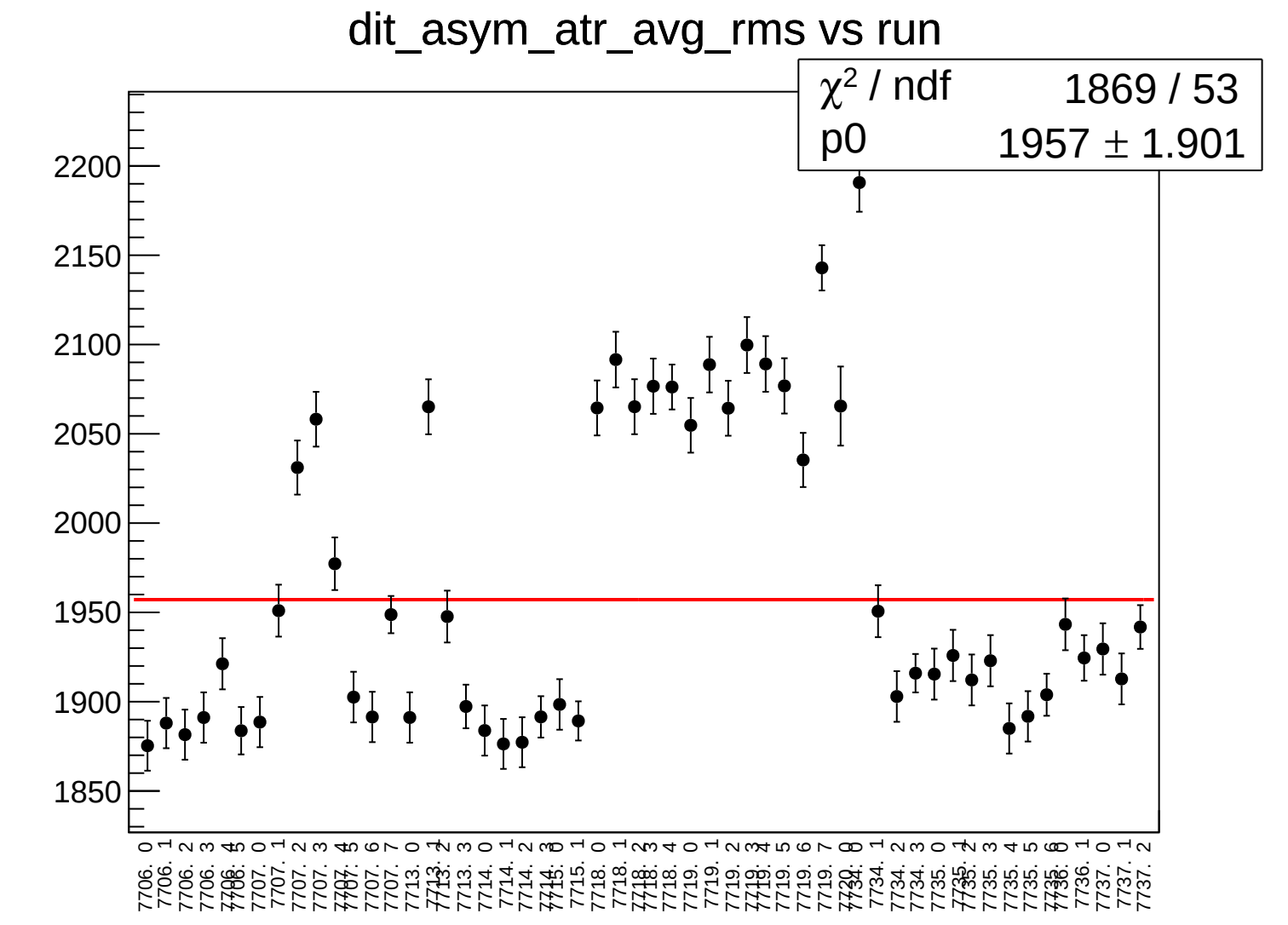

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 775.4 / 53
p0 1916 ± 1.86
2200
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

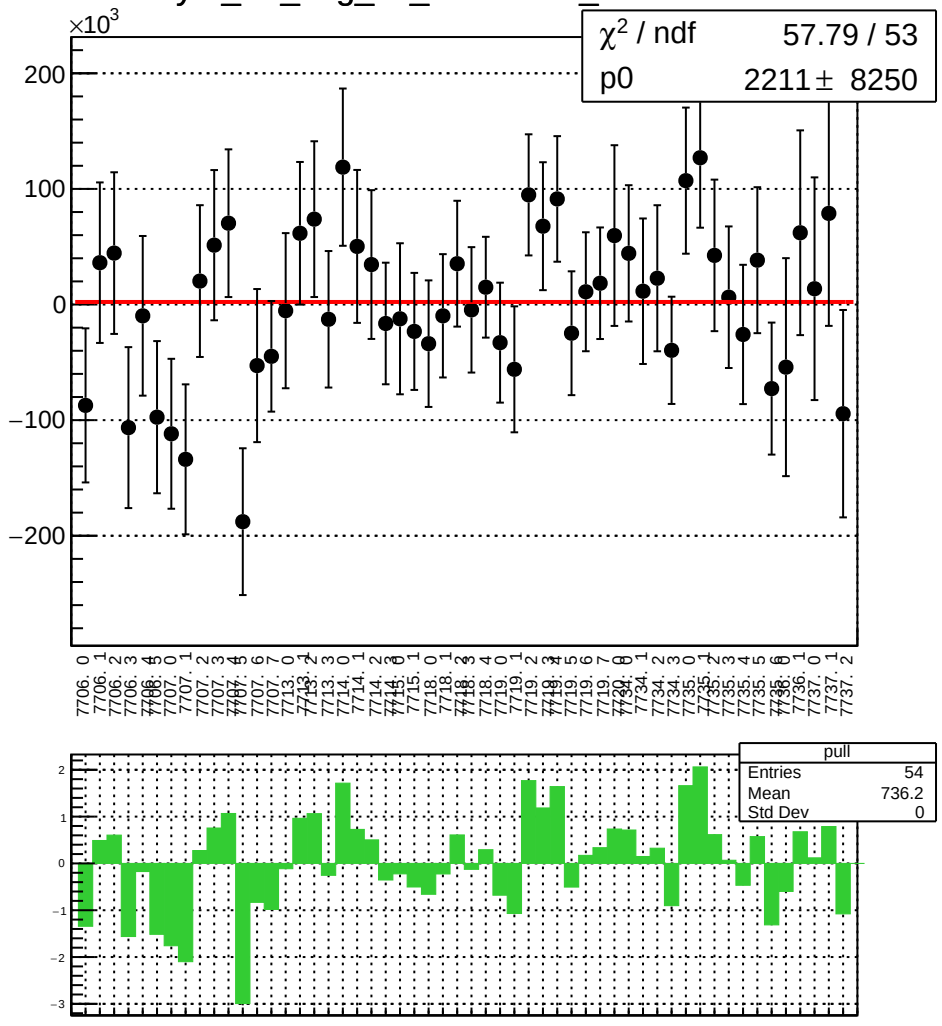

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.09 / 53
p0 2220 ± 8466
×10³
pull
Entries 54
Mean 386.6
Std Dev 0
pull1D
Entries 54
Mean 0.01196
Std Dev 1.037

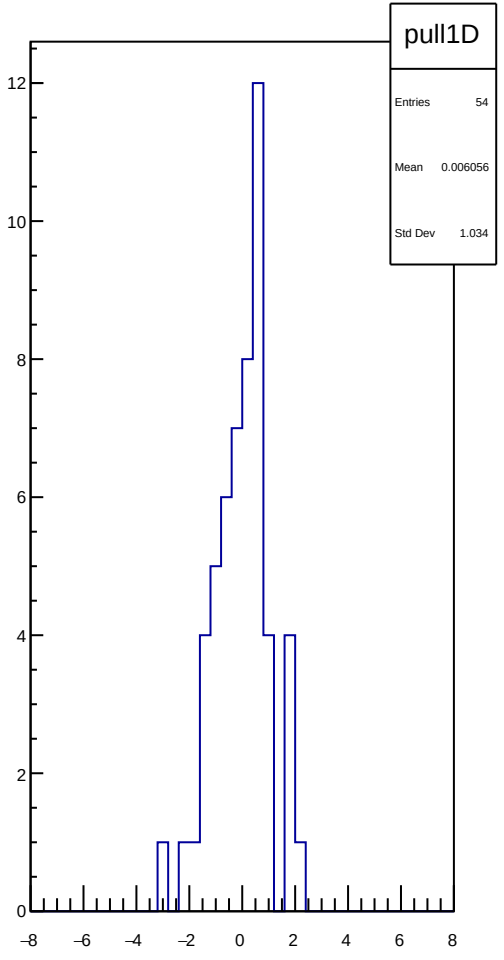

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.808e+04 / 53
p0 6117 ± 5.987
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

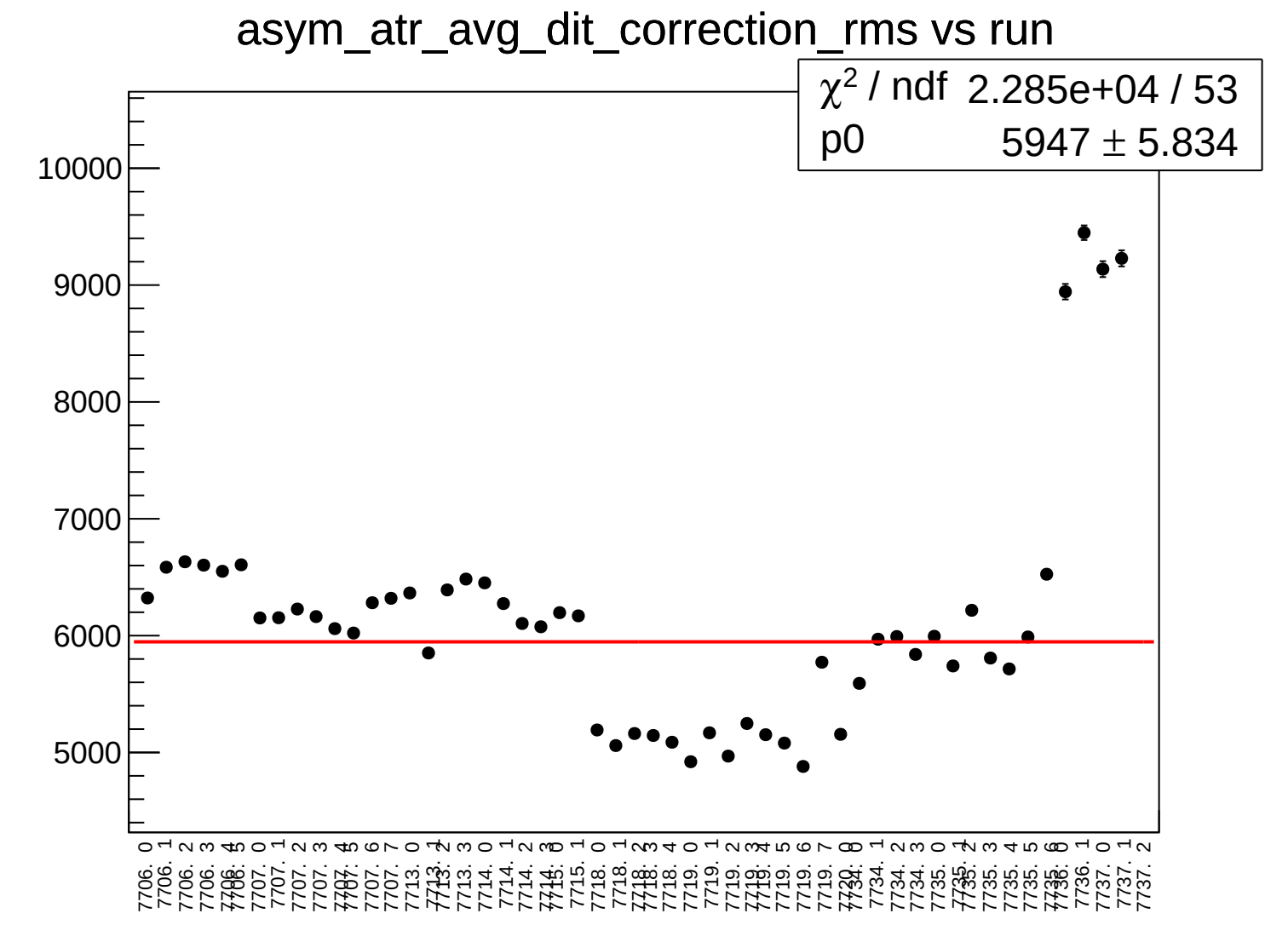

dit_asym_atr_avg_mean vs run
χ² / ndf 55.75 / 53
p0 2852 ± 2688
pull
Entries 54
Mean 226.2
Std Dev 0

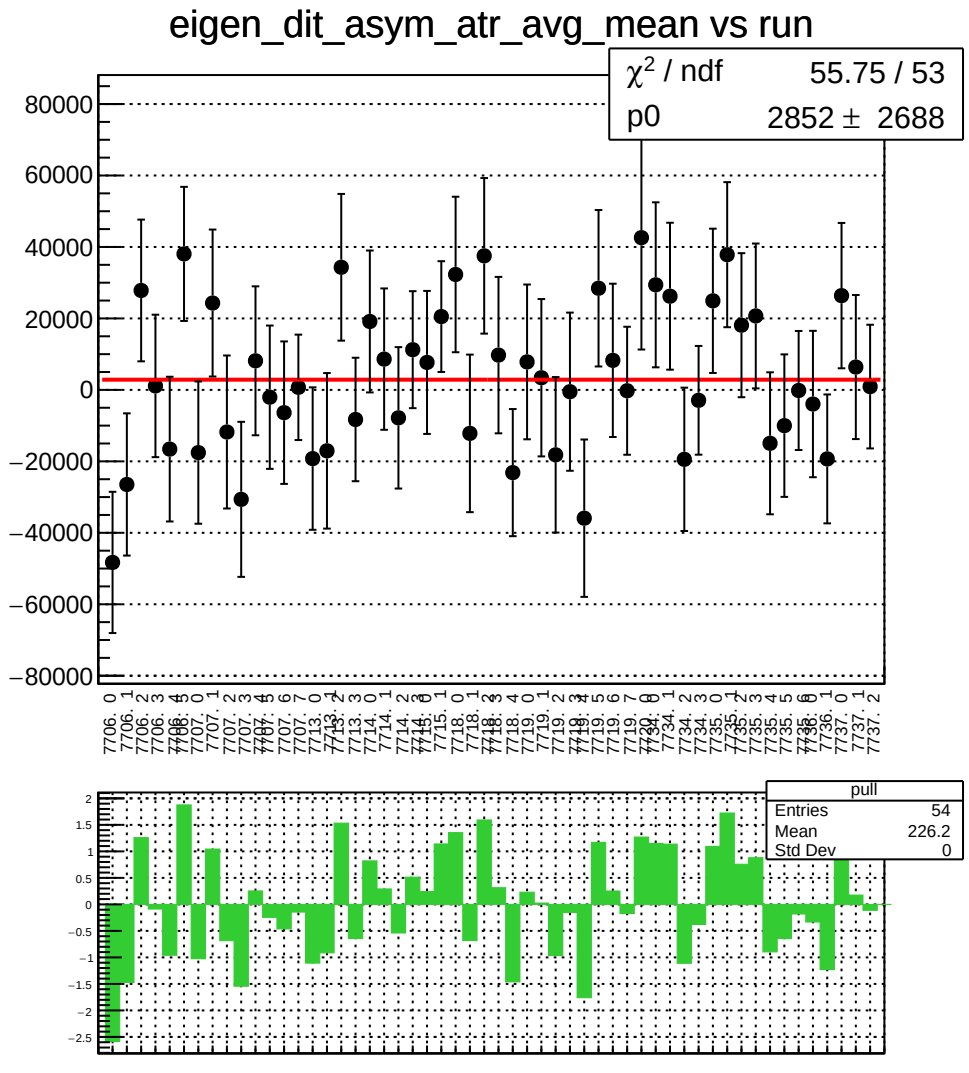

pull1D
Entries 54
Mean 0.01397
Std Dev 1.016

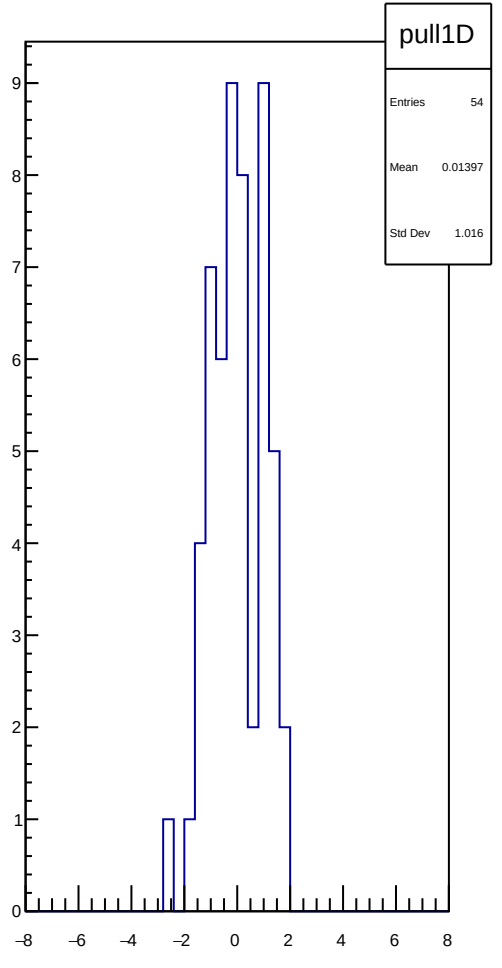

dit_asym_atr_avg_rms vs run
χ² / ndf 1869 / 53
p0 1957 ± 1.901
2200
2150
2100
2050
2000
1950
1900
1850

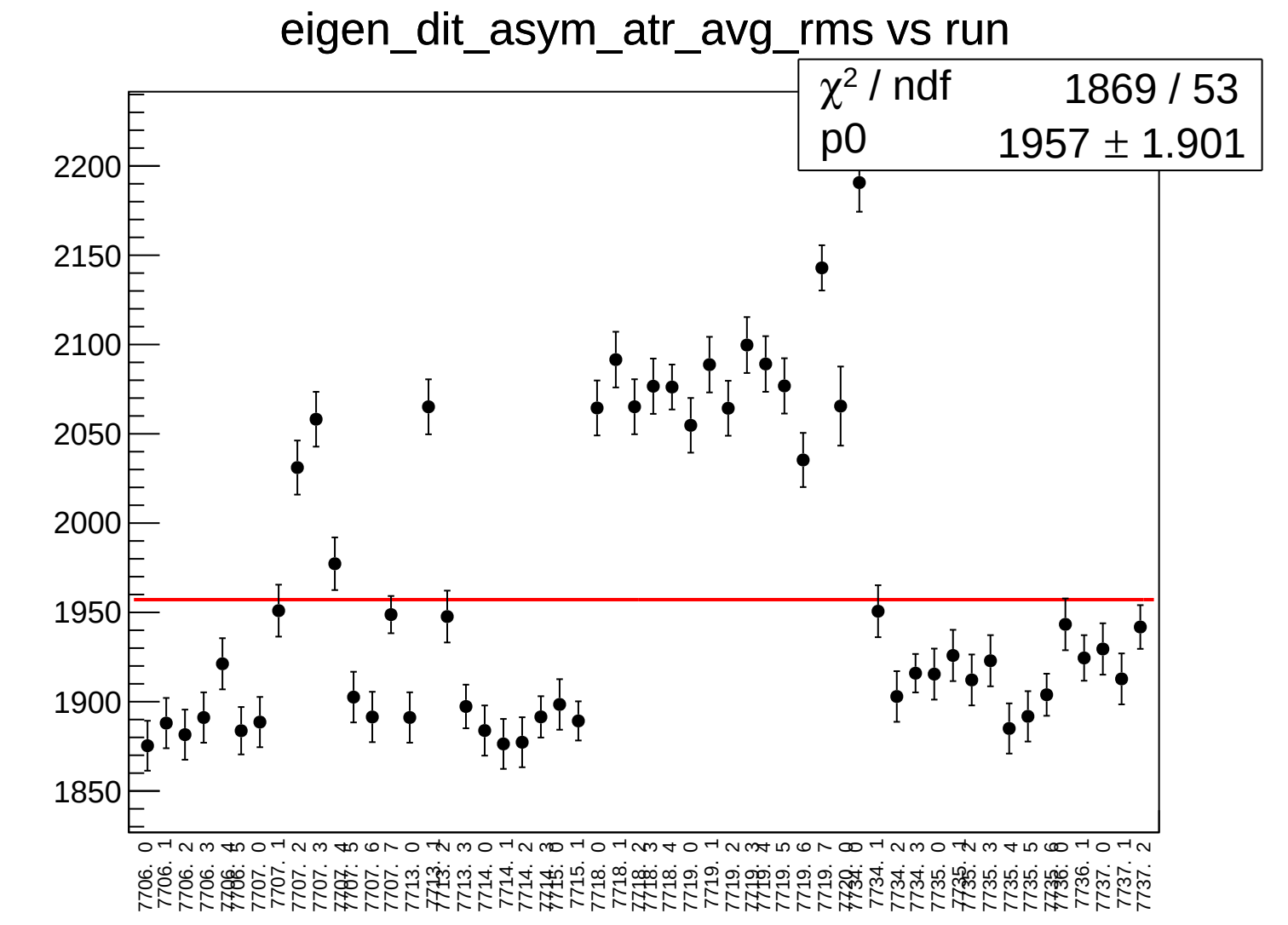

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 57.79 / 53
p0 2211 ± 8250
200
100
0
−100
−200
pull
Entries 54
Mean 736.2
Std Dev 0
2
1
0
−1
−2
−3

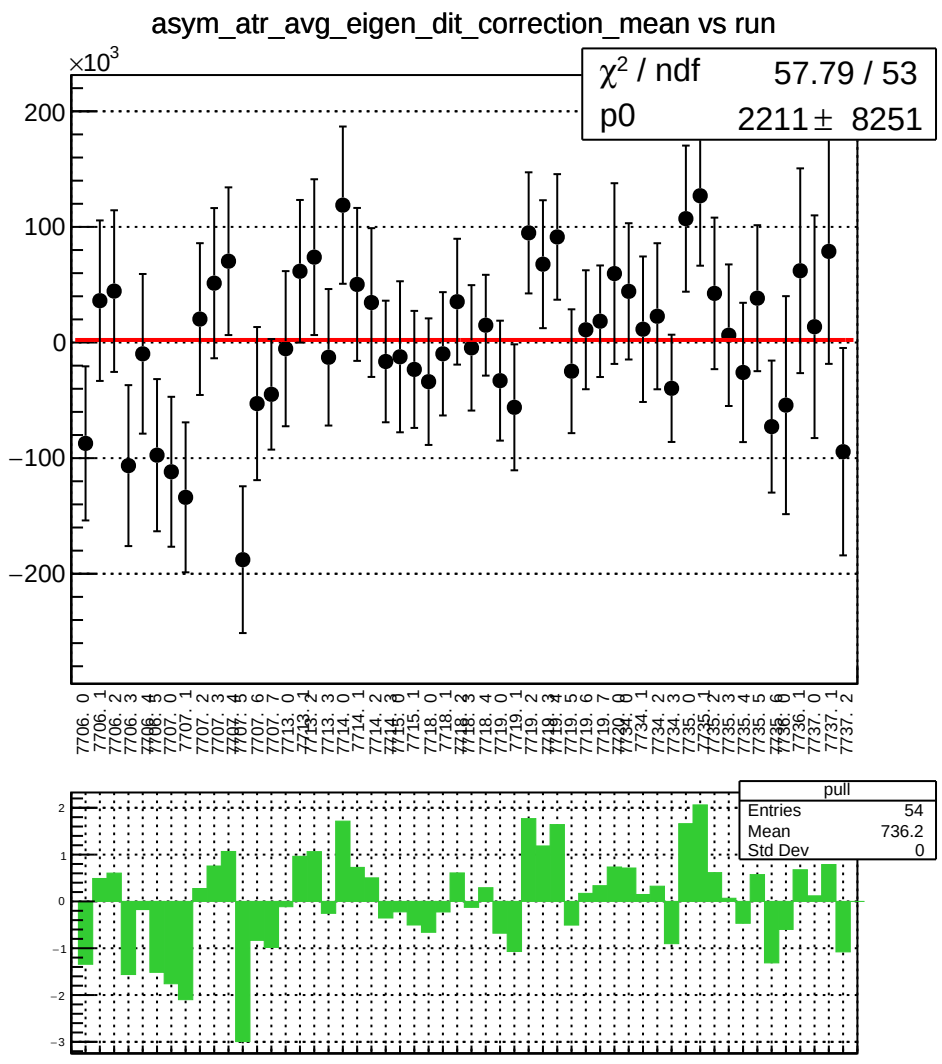

pull1D
Entries 54
Mean 0.006056
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

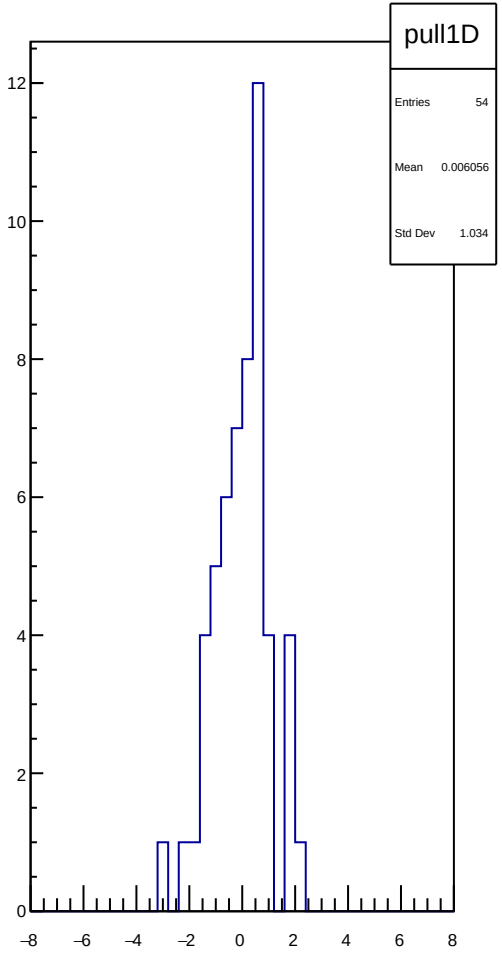

asym_atr_avg_dit_correction_rms vs run
χ^2 / ndf 2.285e+04 / 53
p0 5947 ± 5.834
10000
9000
8000
7000
6000
5000

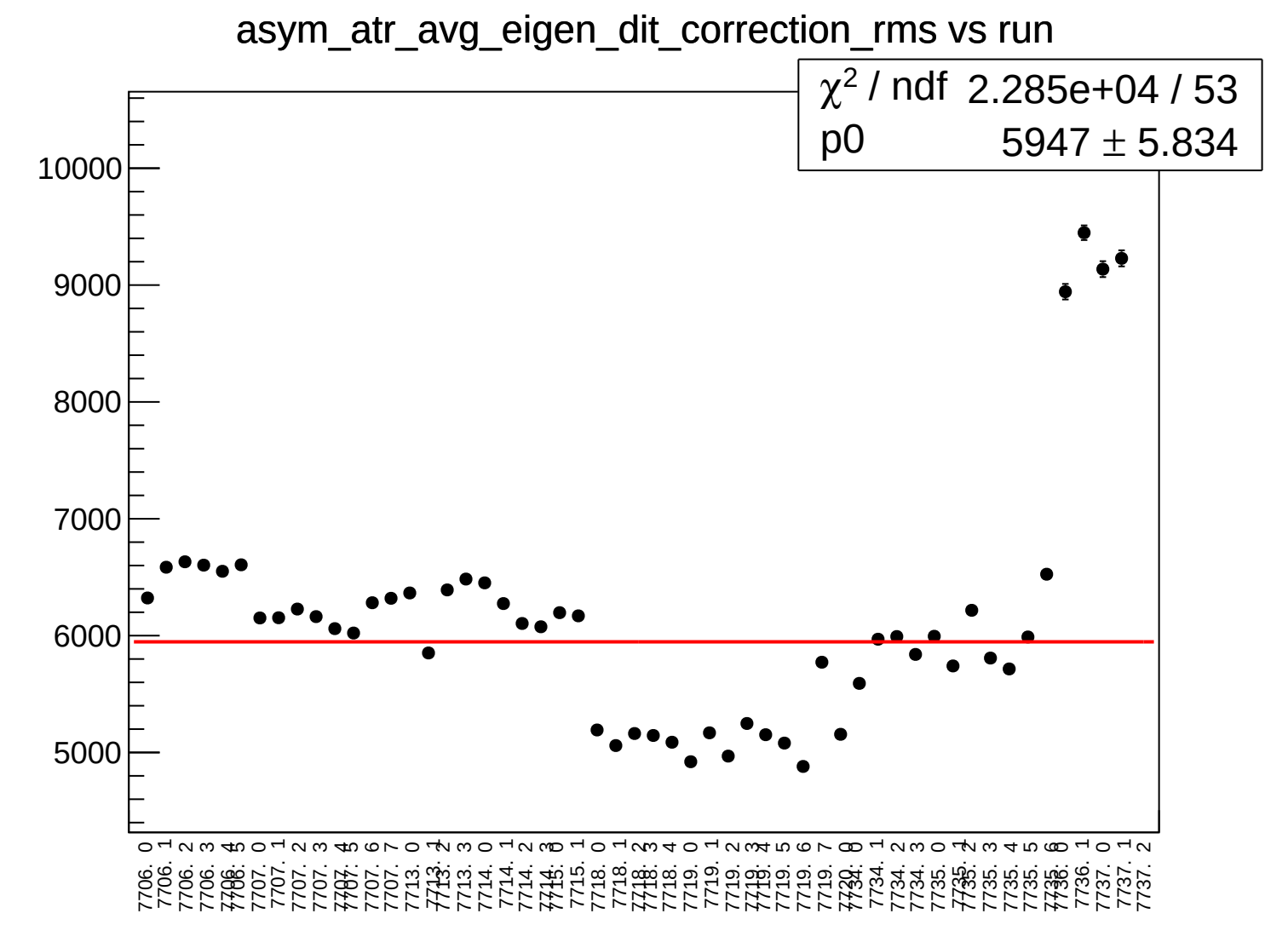

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 55.75 / 53
p0 2852 ± 2688
pull
Entries 54
Mean 226.2
Std Dev 0

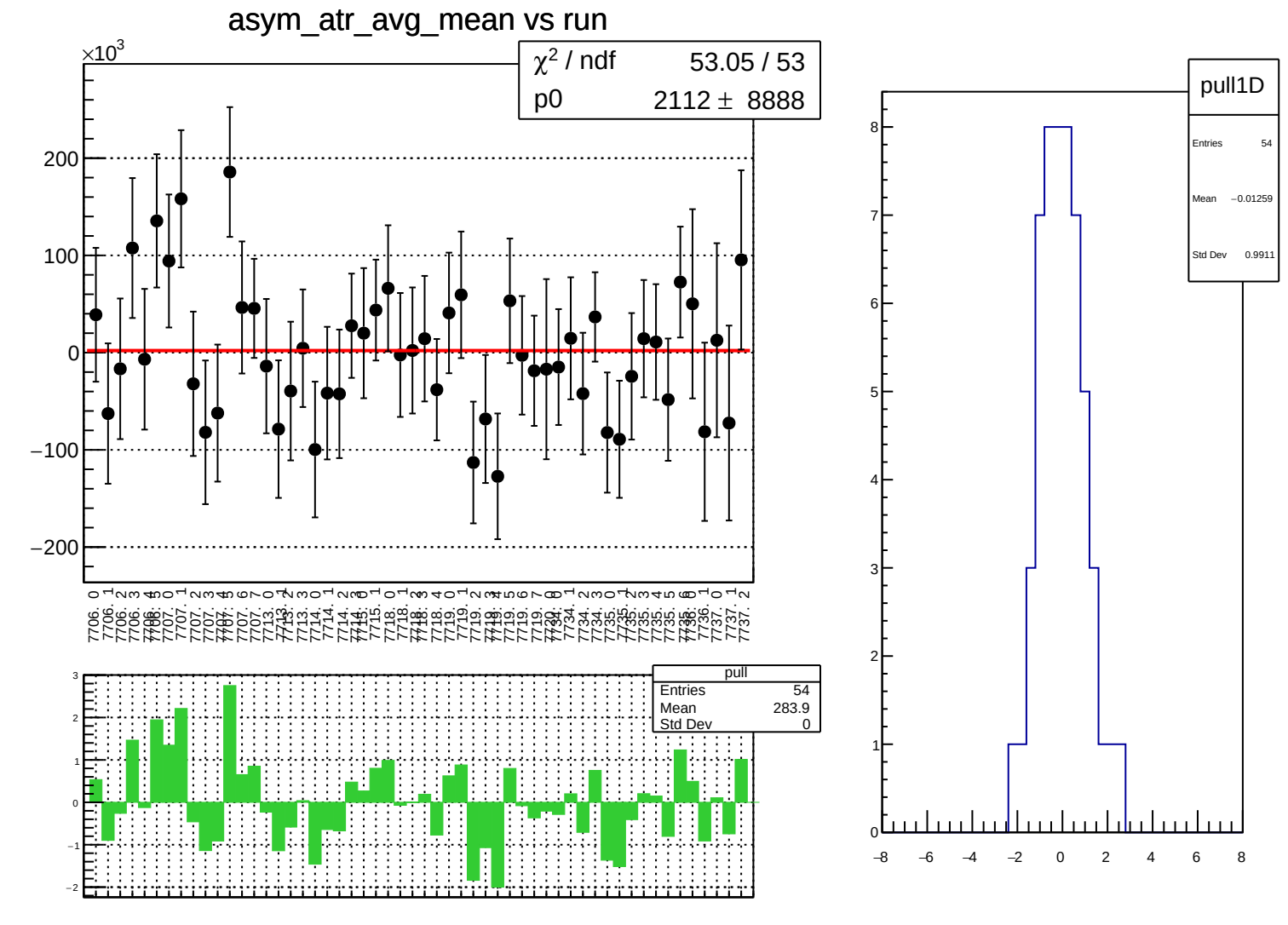

pull1D
Entries 54
Mean 0.01397
Std Dev 1.016

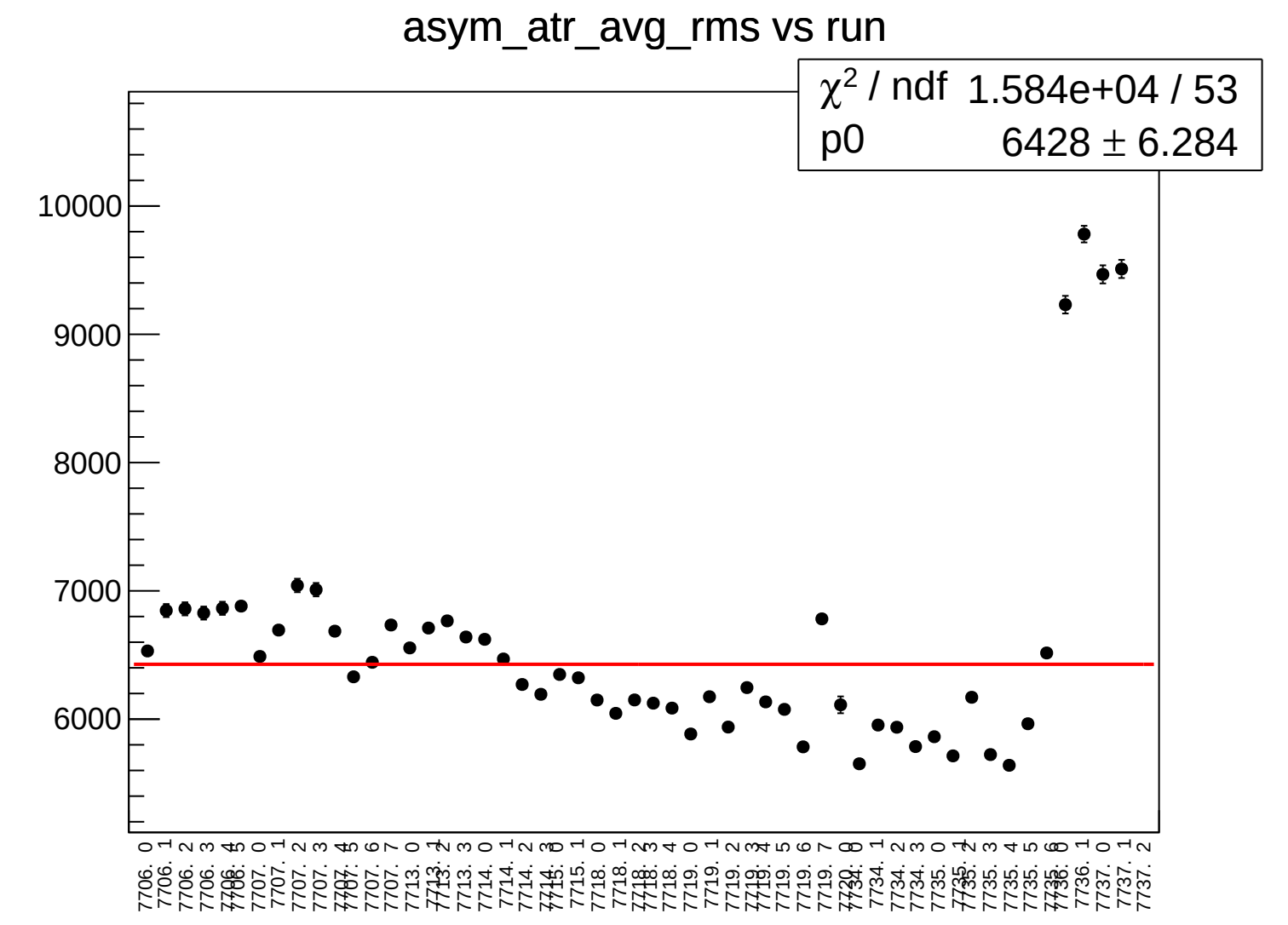

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 1869 / 53
p0 1957 ± 1.901
2200
2150
2100
2050
2000
1950
1900
1850
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

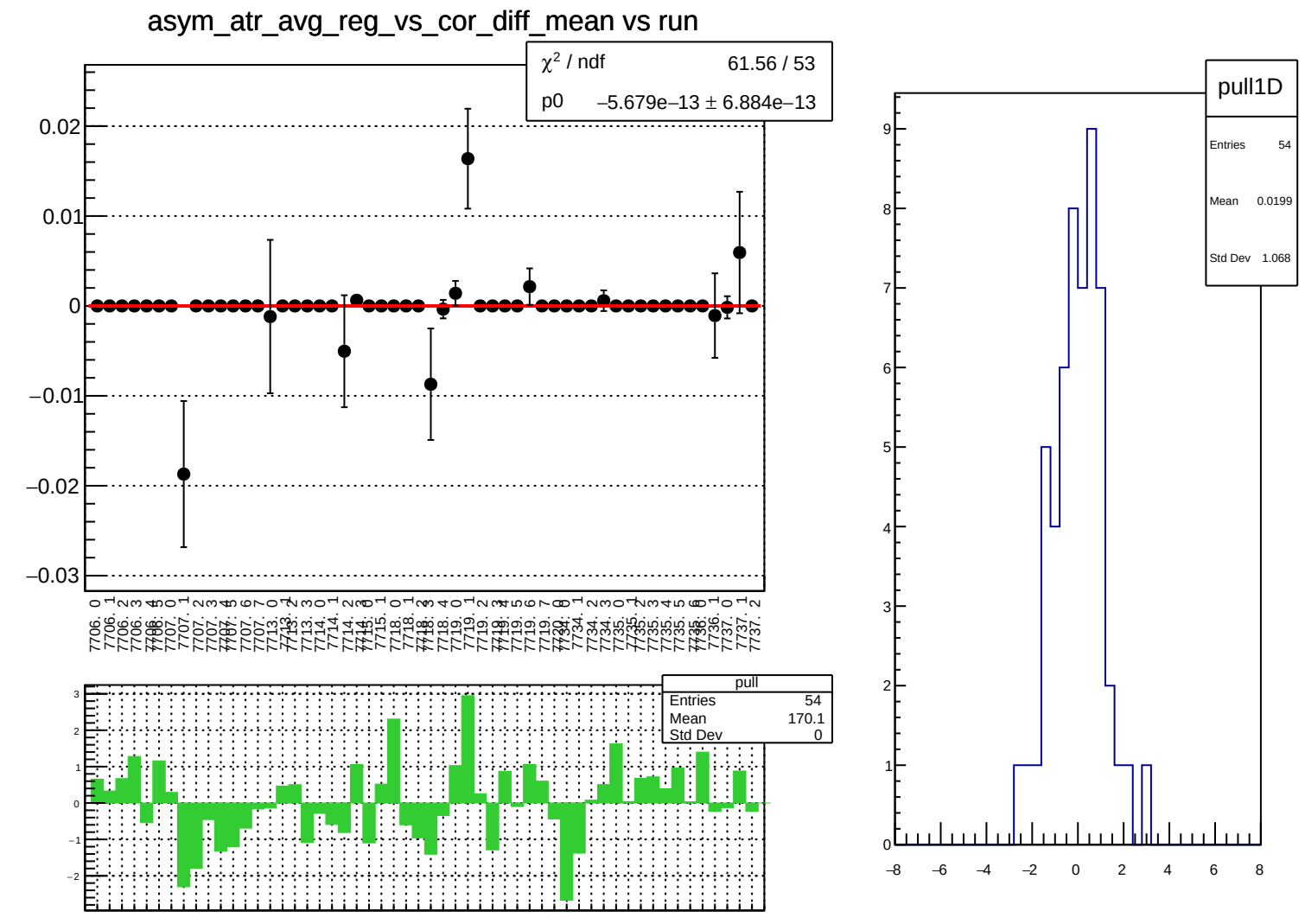

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.79 / 53
p0 2211 ± 8251
200
100
0
−100
−200
pull
Entries 54
Mean 736.2
Std Dev 0
2
1
0
−1
−2
−3

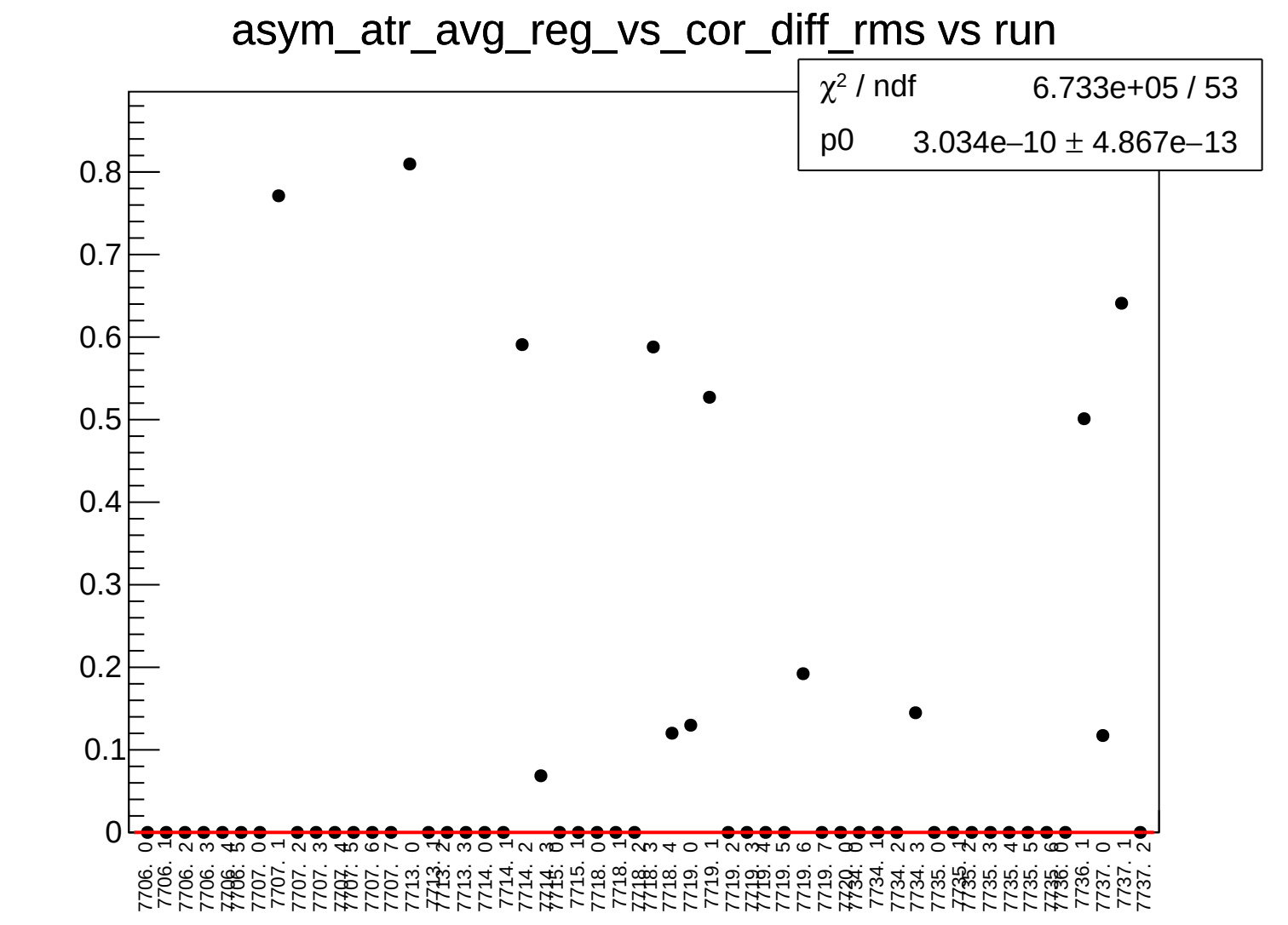

pull1D
Entries 54
Mean 0.006056
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

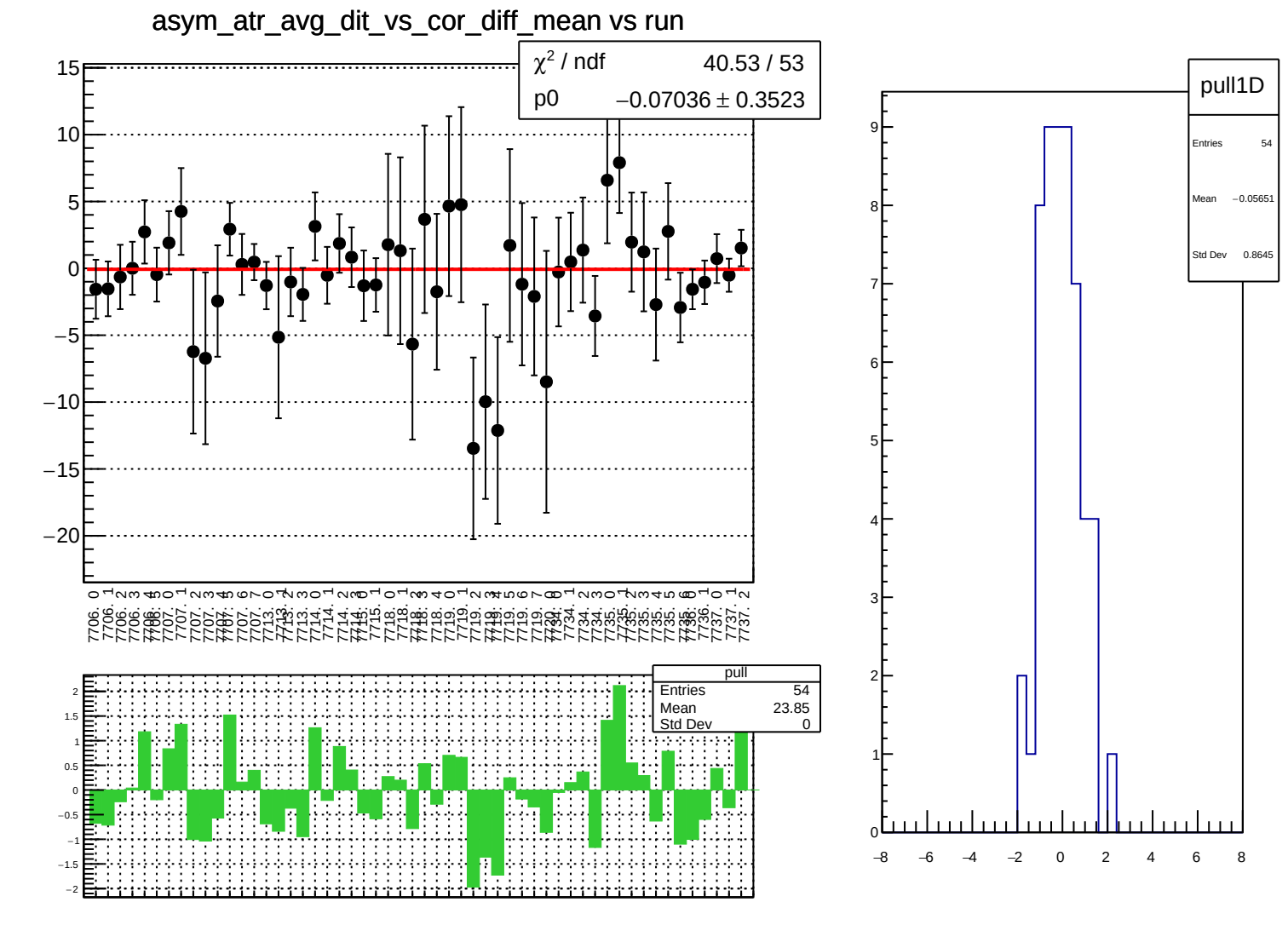

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.285e+04 / 53
p0 5947 ± 5.834
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

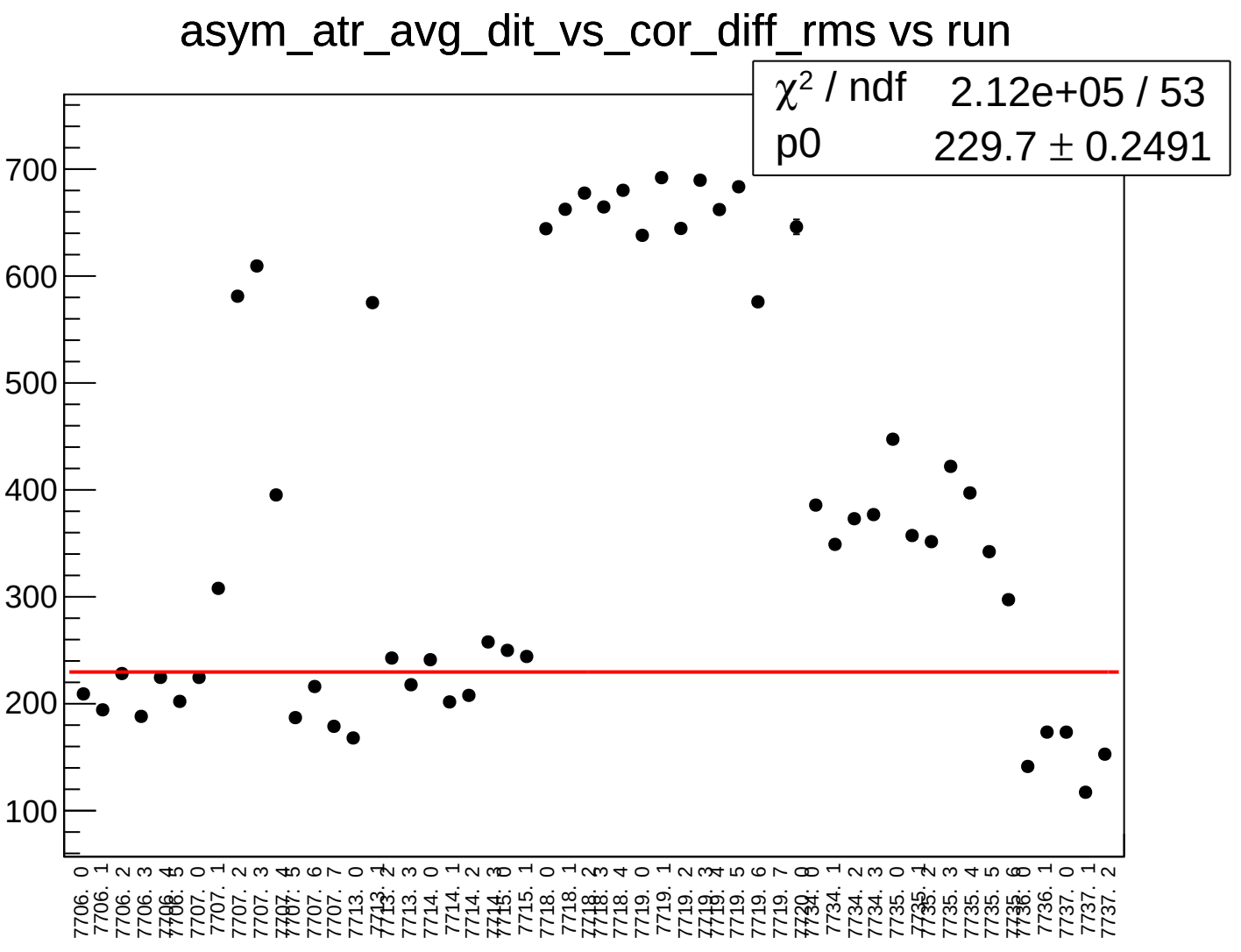

asym_atr_avg_mean vs run
×10^3
χ² / ndf 53.05 / 53
p0 2112 ± 8888
200
100
0
−100
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 283.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01259
Std Dev 0.9911
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

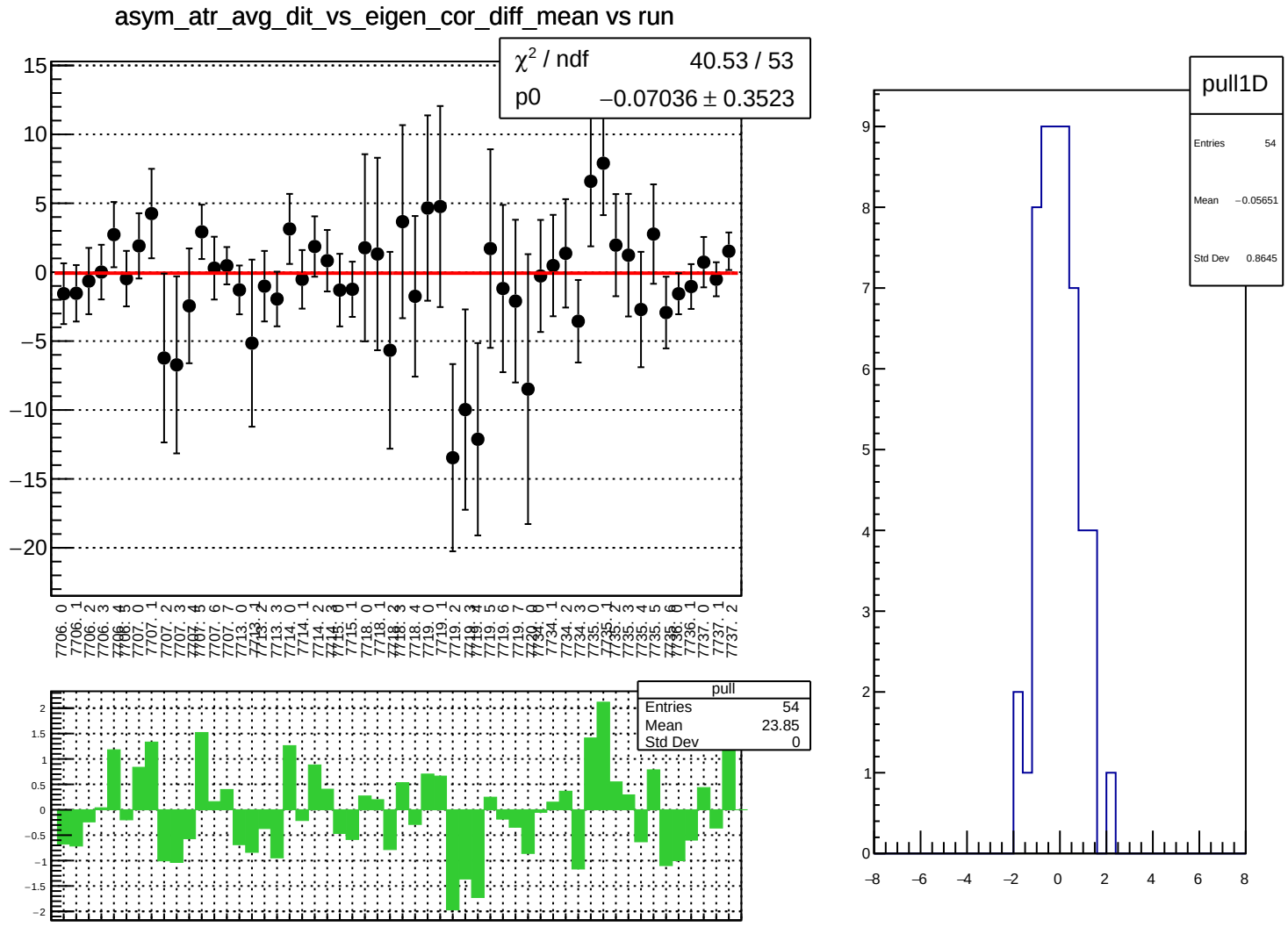

asym_atr_avg_rms vs run
χ^2 / ndf 1.584e+04 / 53
p0 6428 ± 6.284
10000
9000
8000
7000
6000

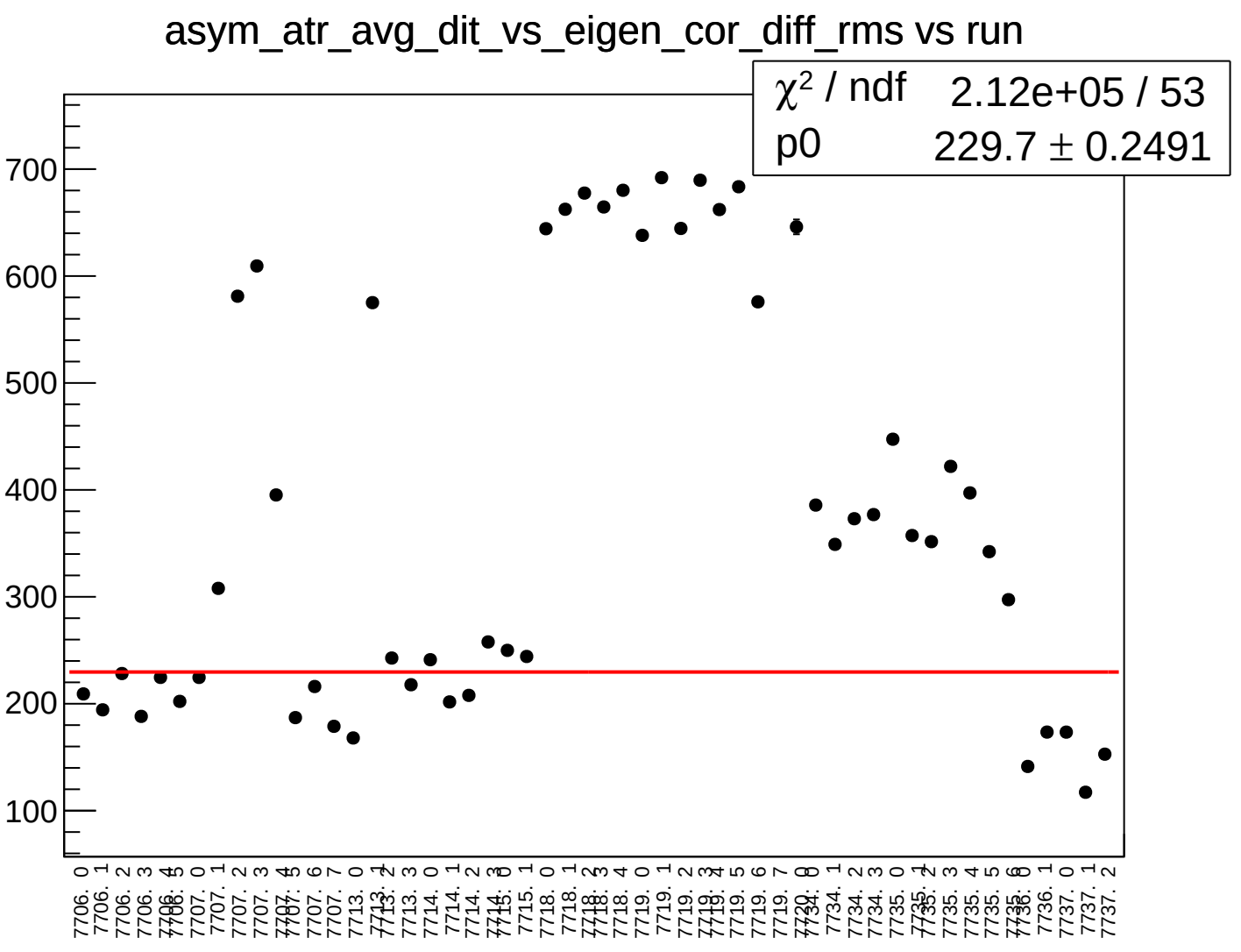

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.56 / 53
p0 −5.679e−13 ± 6.884e−13
pull
Entries 54
Mean 170.1
Std Dev 0
pull1D
Entries 54
Mean 0.0199
Std Dev 1.068

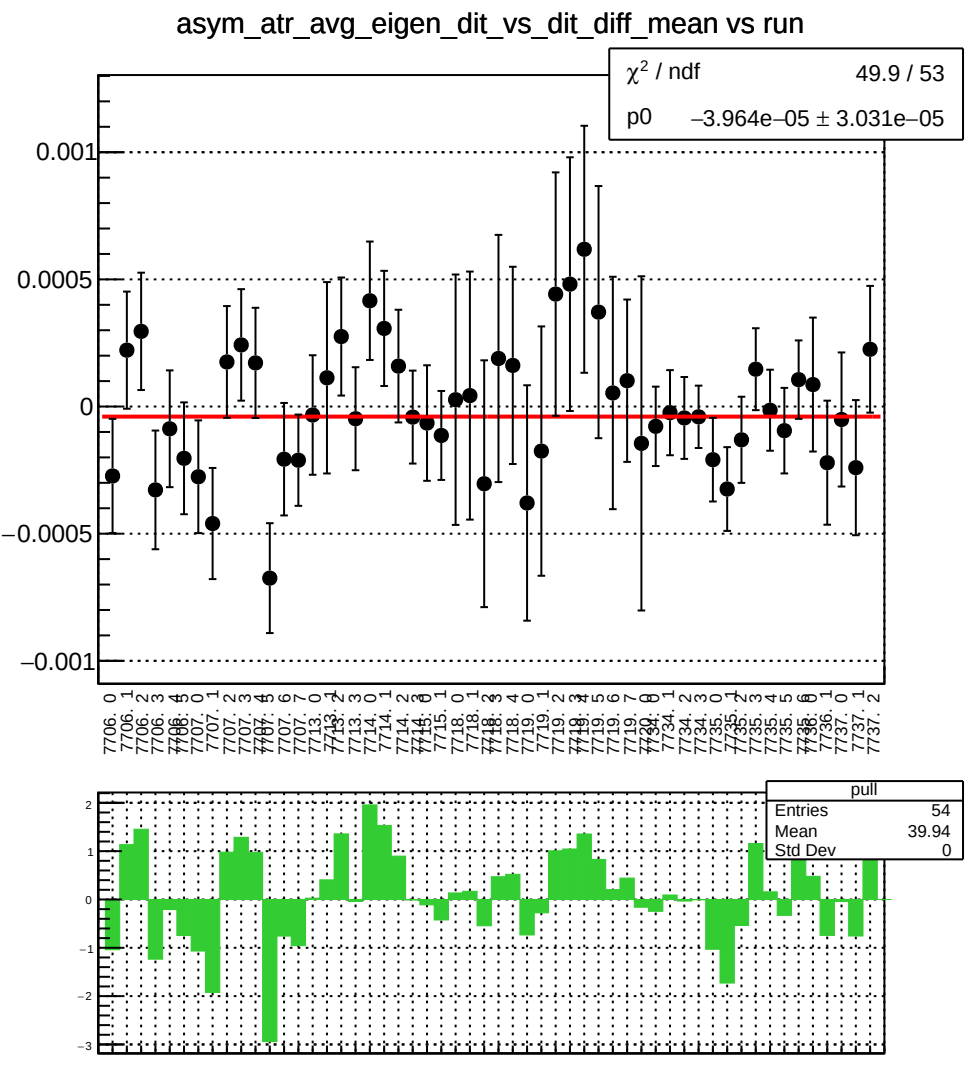

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.733e+05 / 53
p0 3.034e−10 ± 4.867e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8

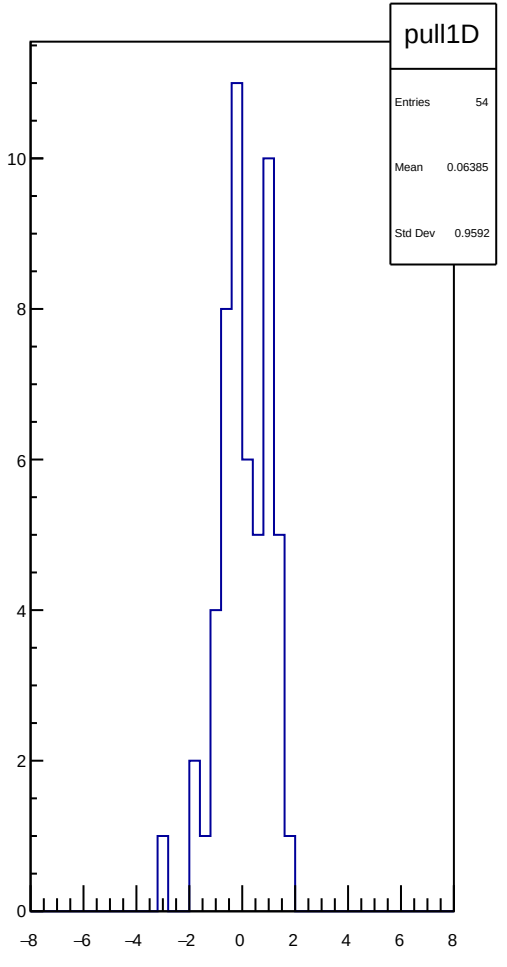

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.53 / 53
p0 −0.07036 ± 0.3523
pull
Entries 54
Mean 23.85
Std Dev 0
pull1D
Entries 54
Mean −0.05651
Std Dev 0.8645

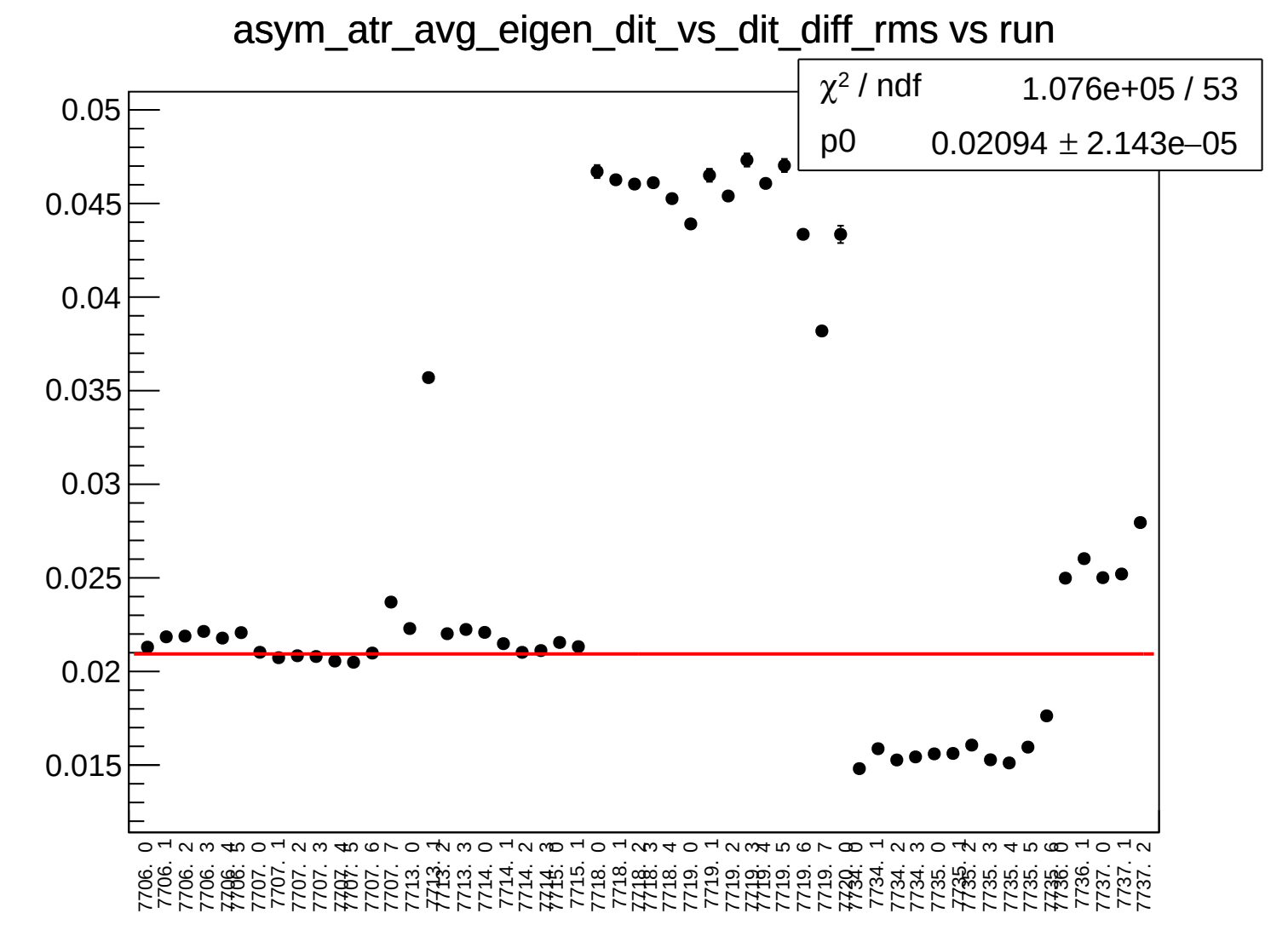

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.12e+05 / 53
p0 229.7 ± 0.2491
700
600
500
400
300
200
100

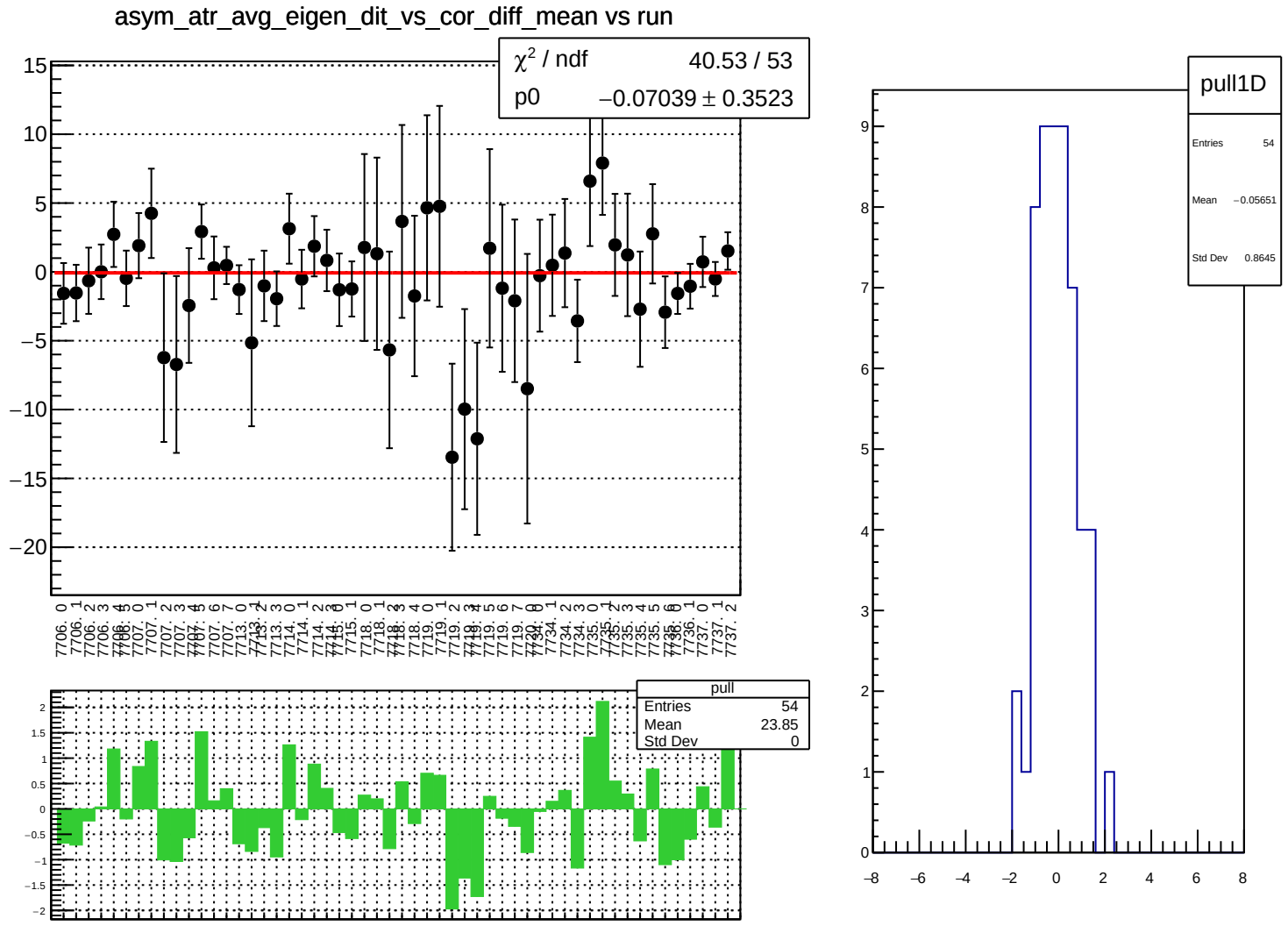

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.53 / 53
p0 −0.07036 ± 0.3523
pull
Entries 54
Mean 23.85
Std Dev 0
pull1D
Entries 54
Mean −0.05651
Std Dev 0.8645

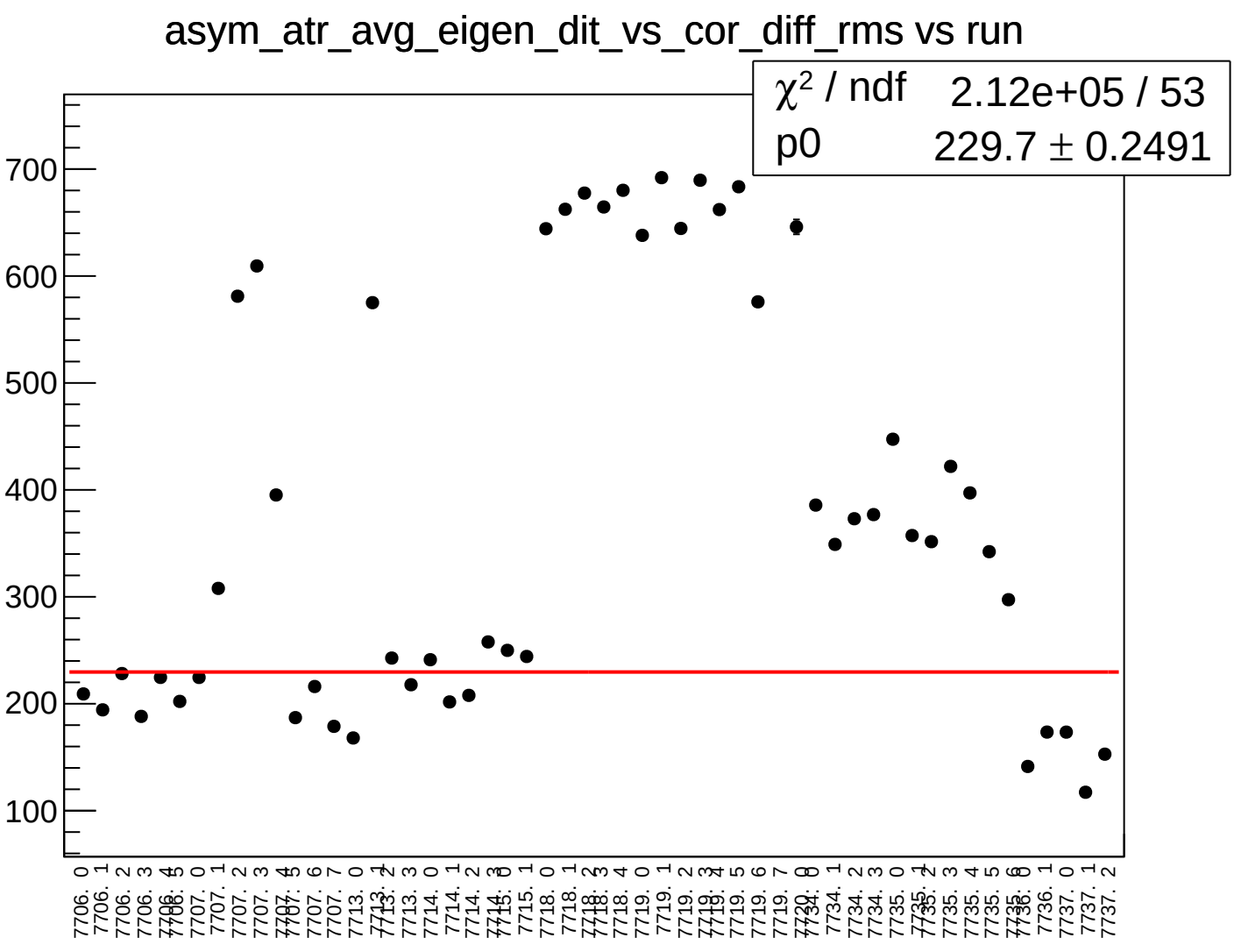

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.12e+05 / 53
p0 229.7 ± 0.2491
700
600
500
400
300
200
100

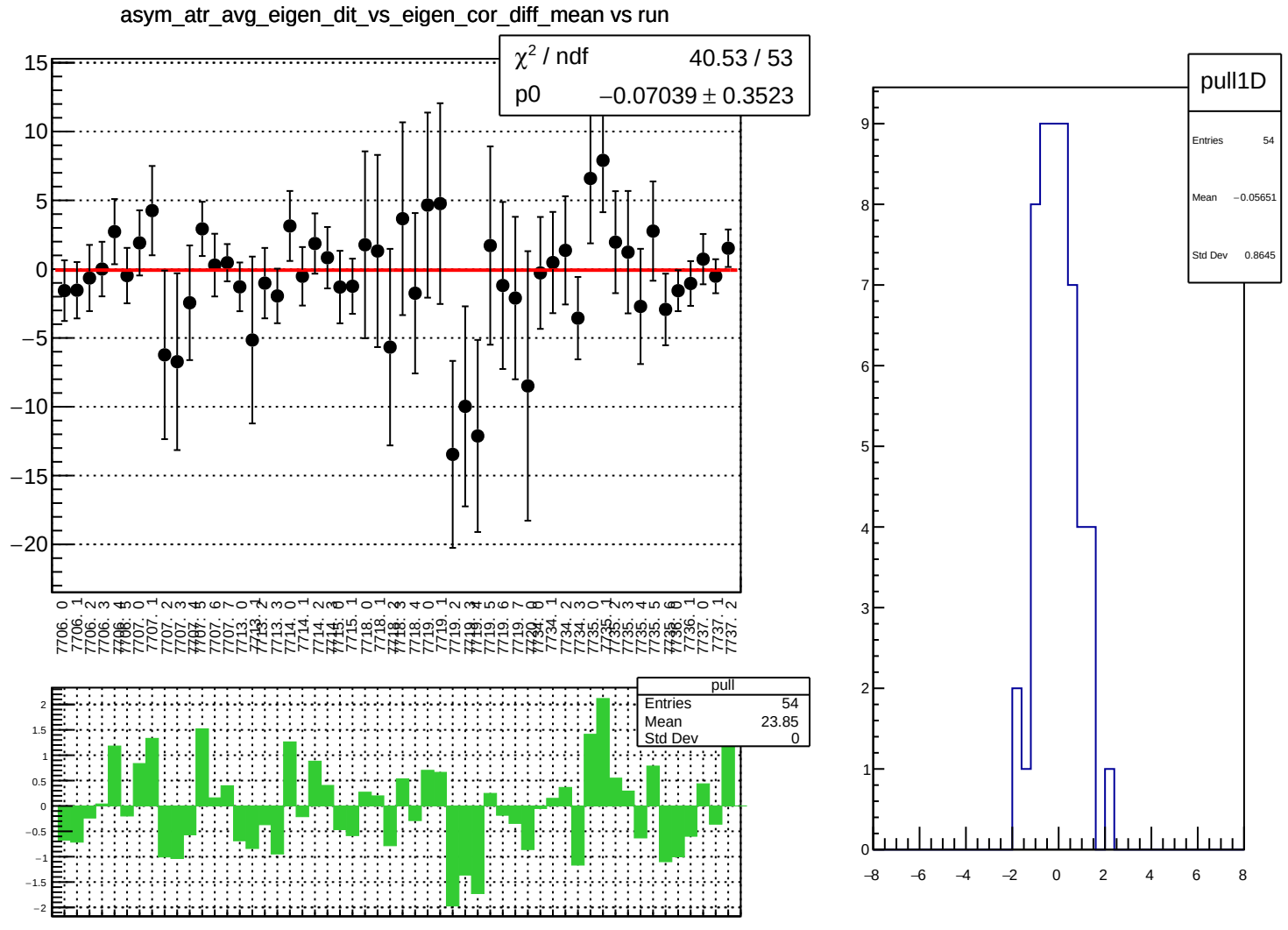

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.9 / 53
p0 −3.964e−05 ± 3.031e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 39.94
Std Dev 0

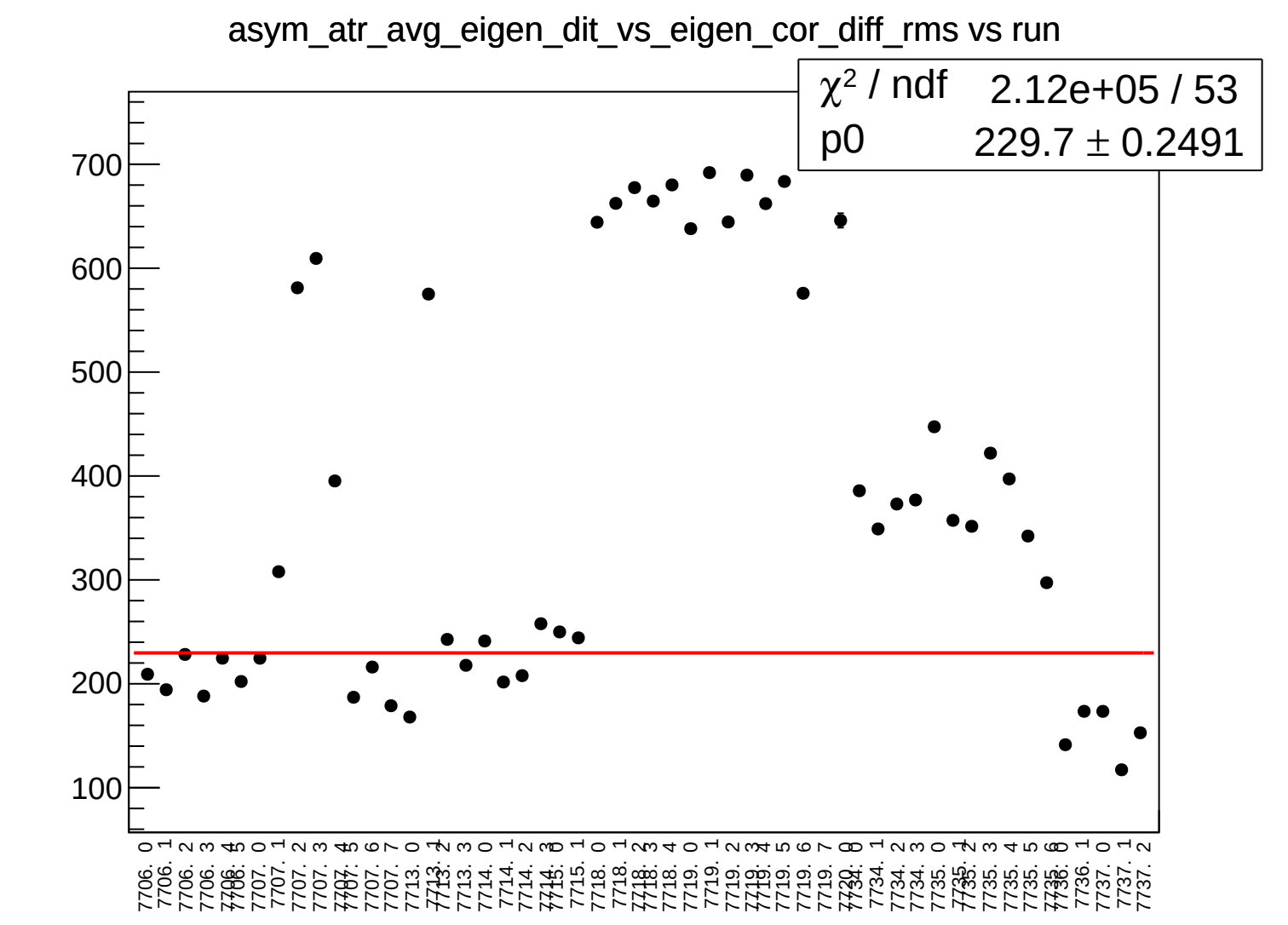

pull1D
Entries 54
Mean 0.06385
Std Dev 0.9592

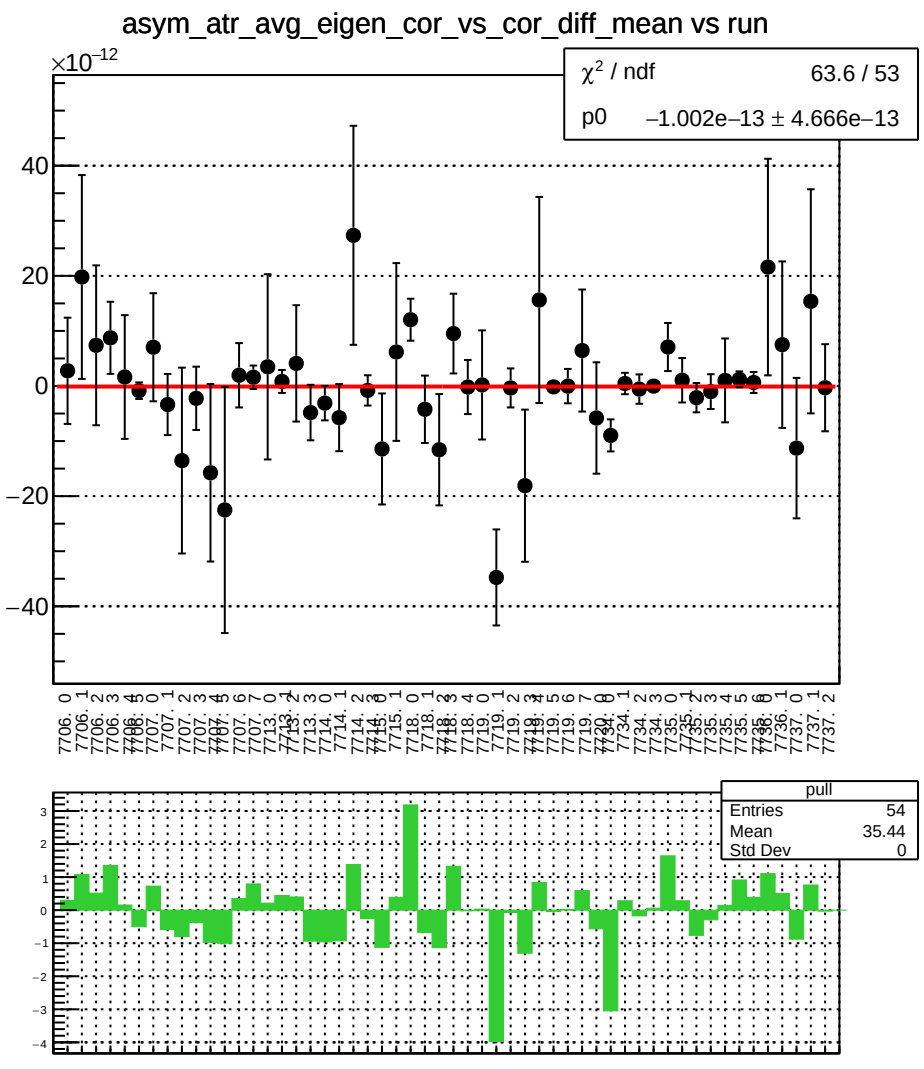

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.076e+05 / 53
p0 0.02094 ± 2.143e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

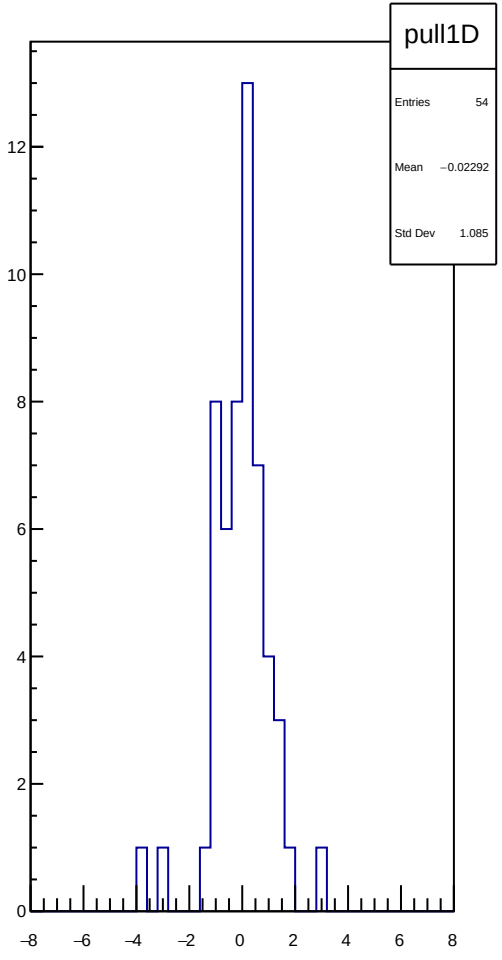

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.53 / 53
p0 −0.07039 ± 0.3523
pull
Entries 54
Mean 23.85
Std Dev 0
pull1D
Entries 54
Mean −0.05651
Std Dev 0.8645

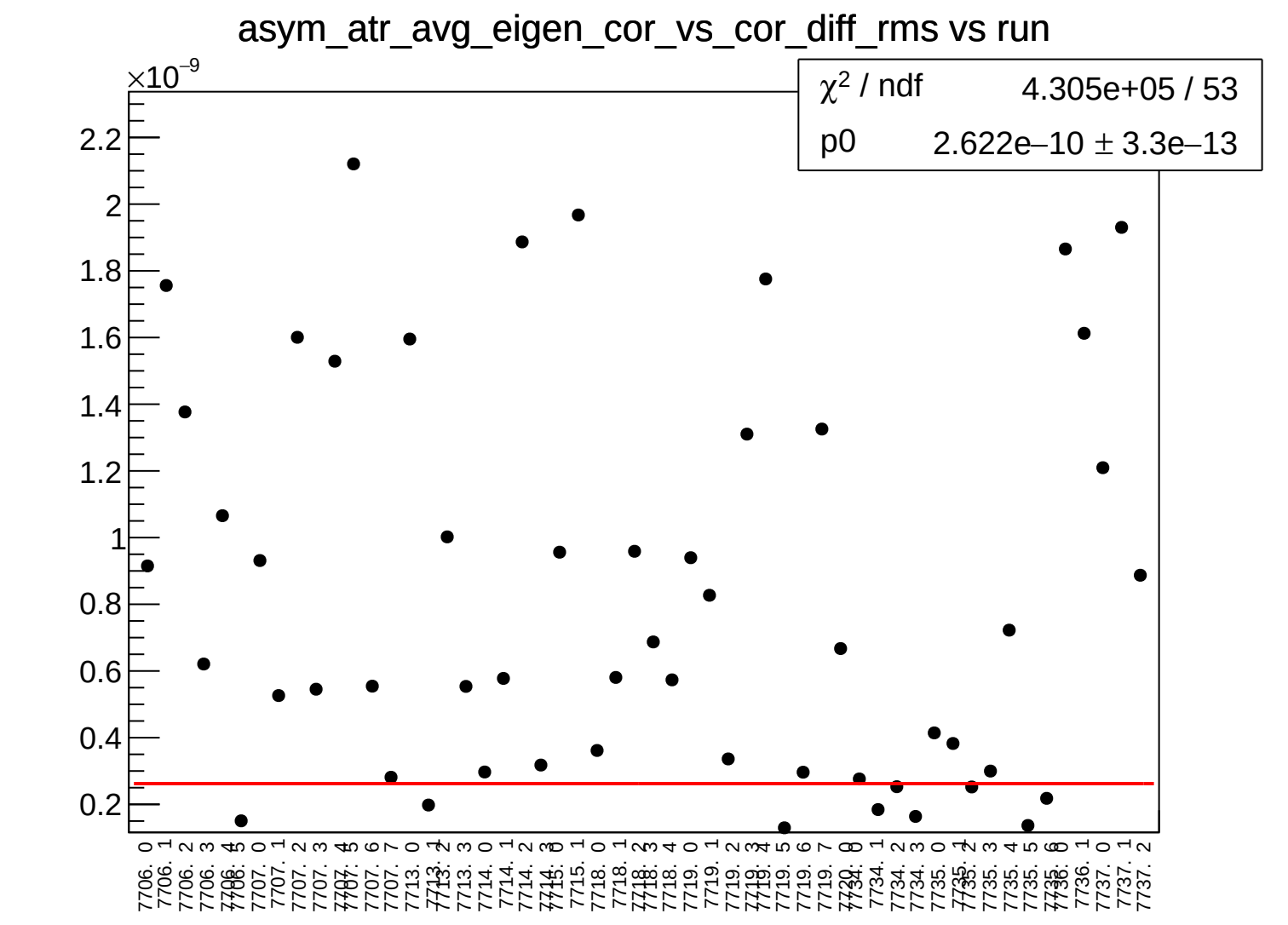

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.12e+05 / 53
p0 229.7 ± 0.2491
700
600
500
400
300
200
100

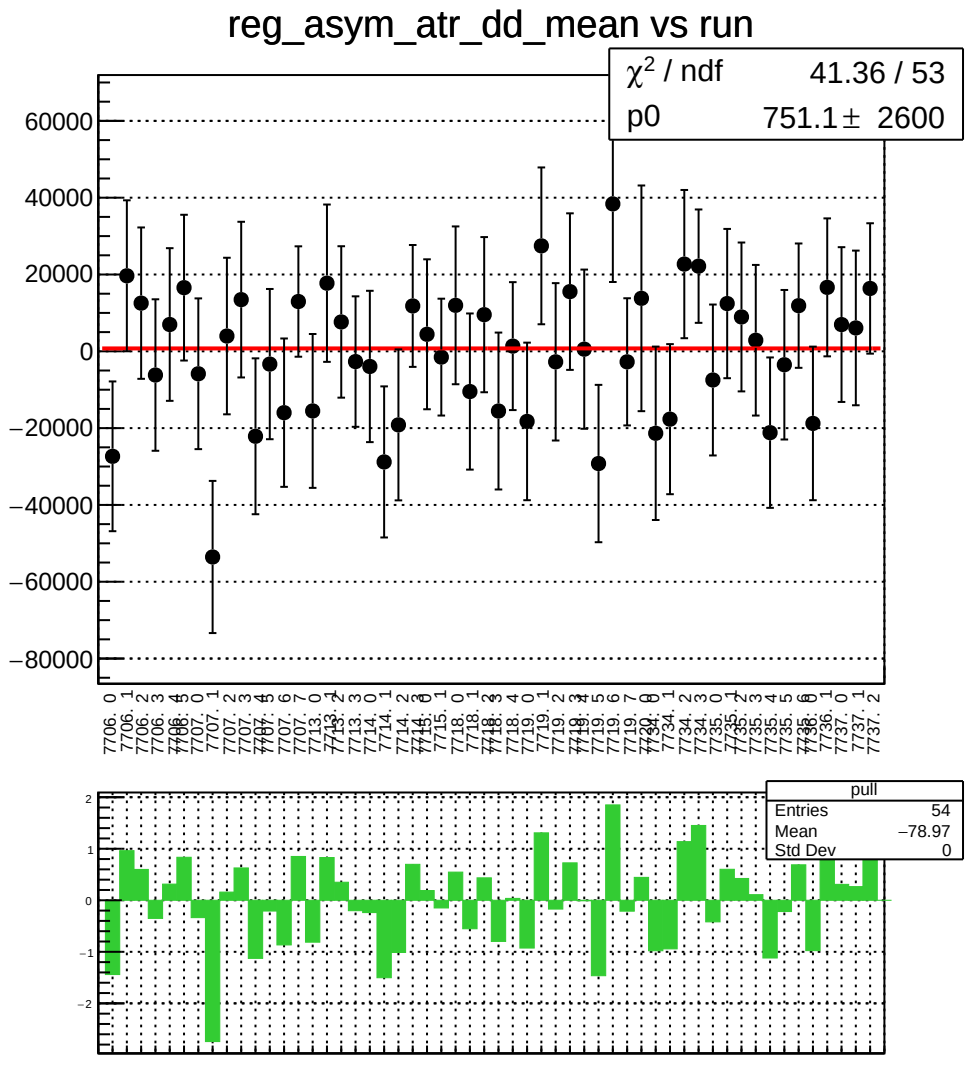

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.53 / 53
p0 −0.07039 ± 0.3523
pull
Entries 54
Mean 23.85
Std Dev 0
pull1D
Entries 54
Mean −0.05651
Std Dev 0.8645

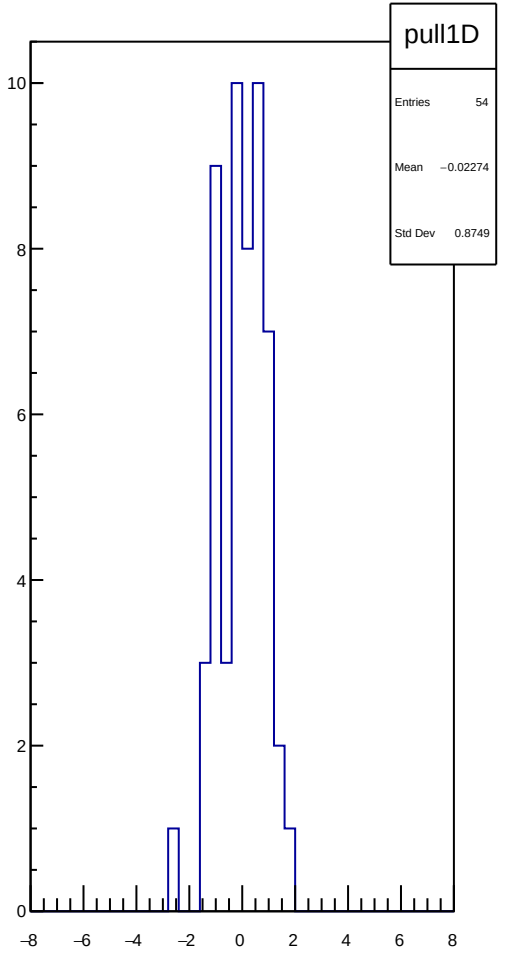

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.12e+05 / 53
p0 229.7 ± 0.2491
700
600
500
400
300
200
100

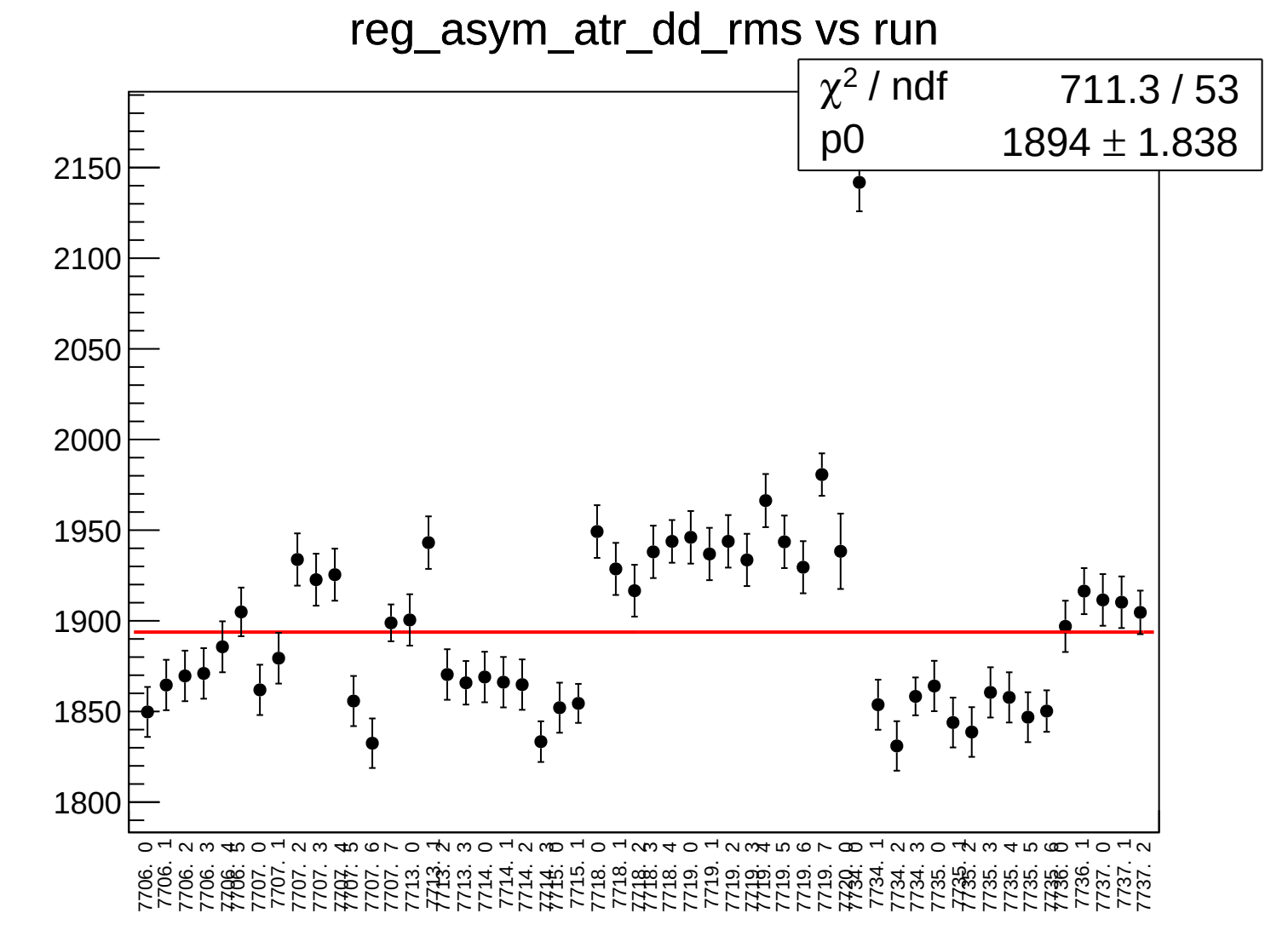

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 63.6 / 53
p0 −1.002e−13 ± 4.666e−13
40
20
0
−20
−40
pull
Entries 54
Mean 35.44
Std Dev 0
3
2
1
0
−1
−2
−3
−4

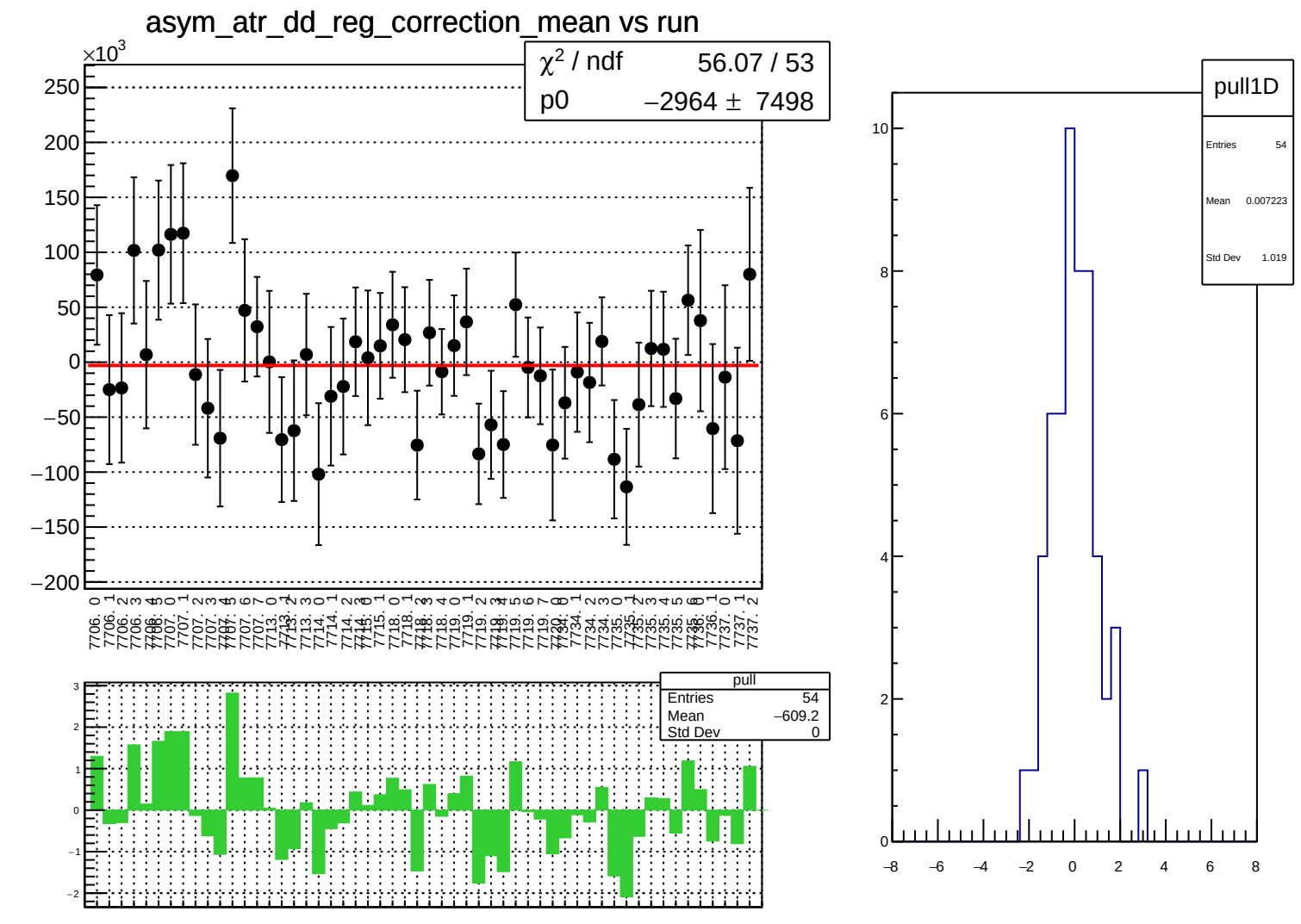

pull1D
Entries 54
Mean −0.02292
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

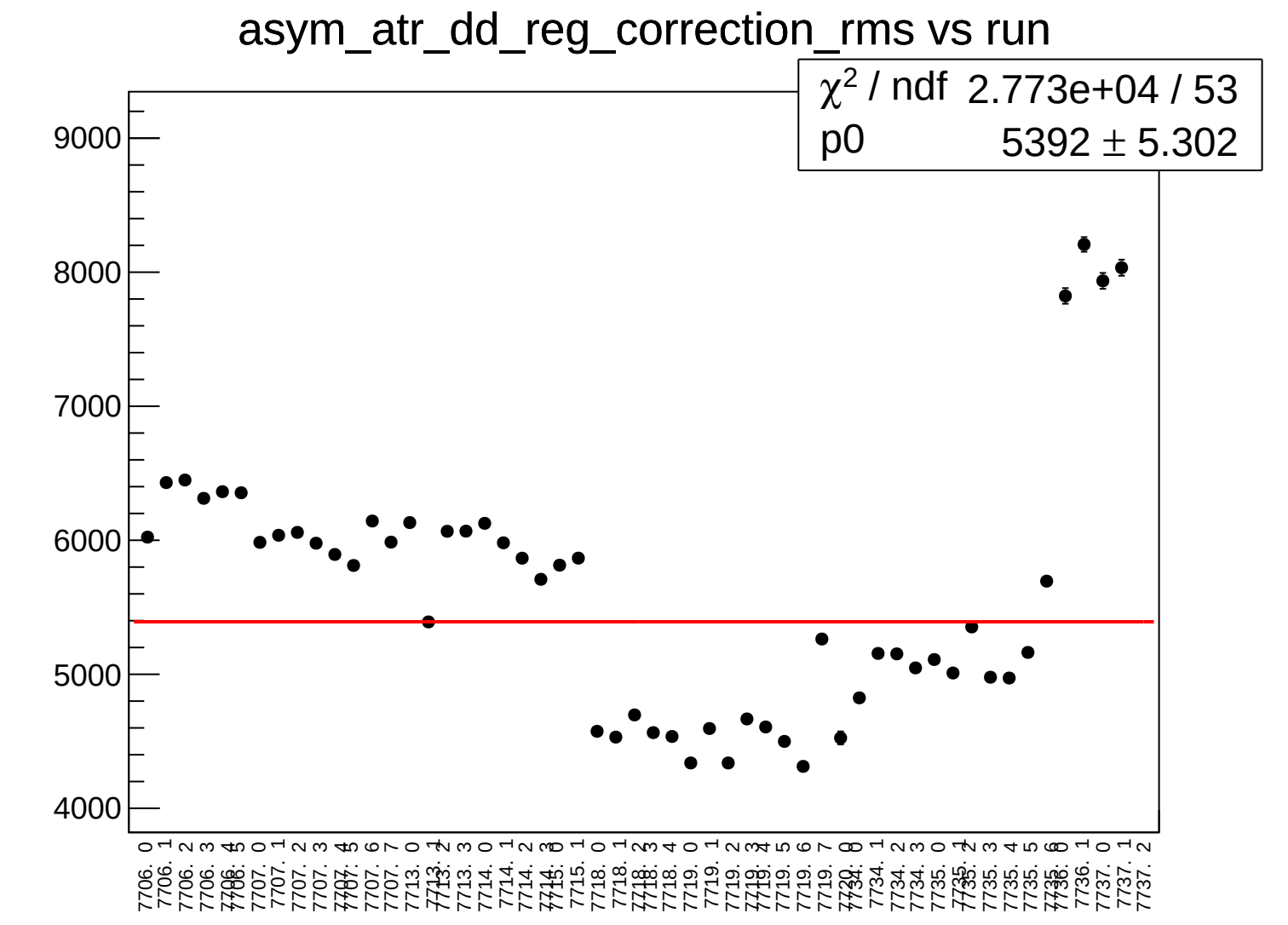

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.305e+05 / 53
p0 2.622e−10 ± 3.3e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

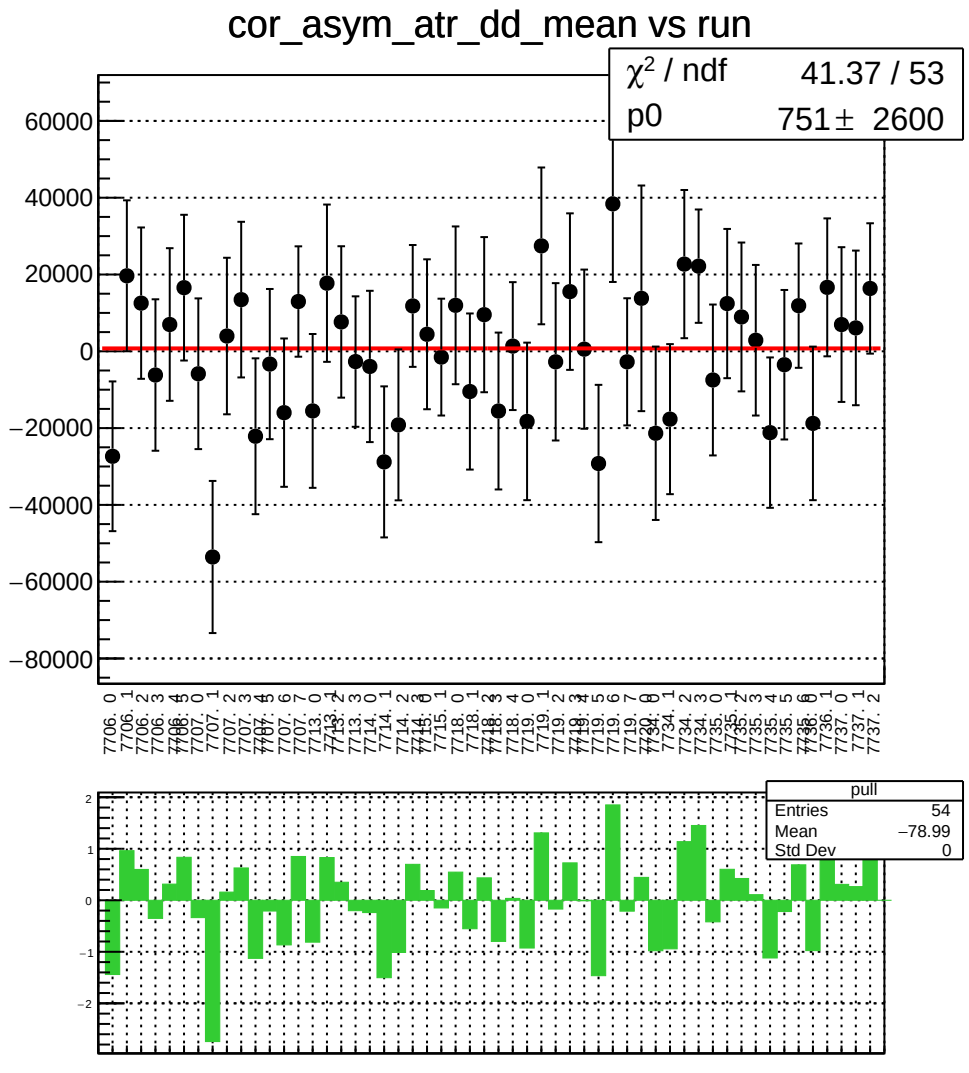

reg_asym_atr_dd_mean vs run
χ^2 / ndf 41.36 / 53
p0 751.1 ± 2600
pull
Entries 54
Mean −78.97
Std Dev 0

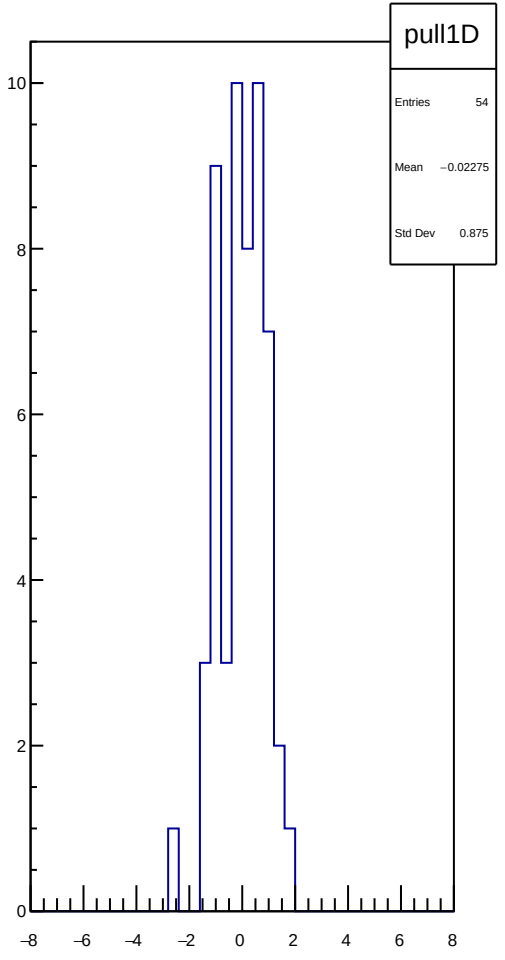

pull1D
Entries 54
Mean −0.02274
Std Dev 0.8749

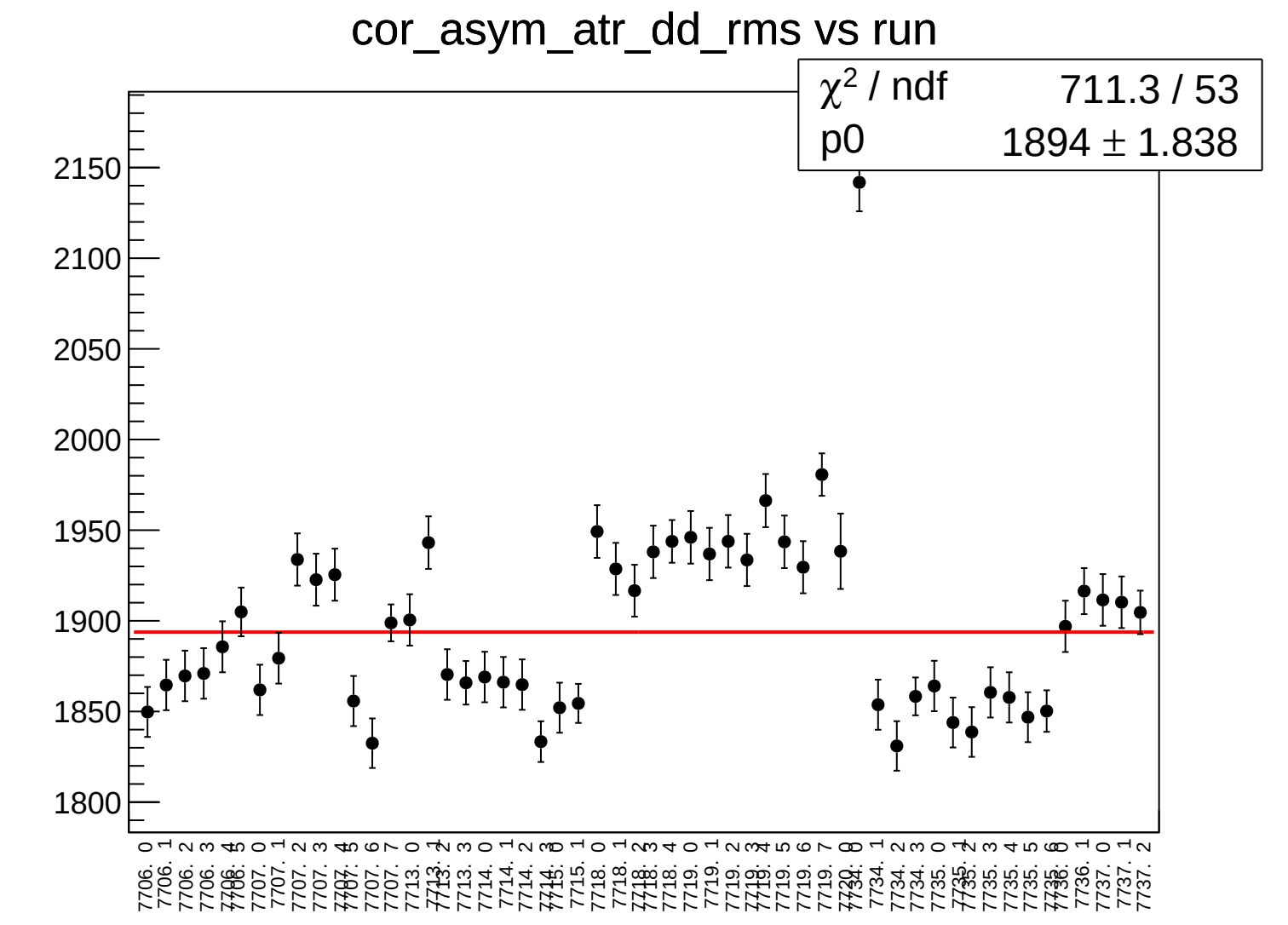

reg_asym_atr_dd_rms vs run
χ^2 / ndf 711.3 / 53
p0 1894 ± 1.838
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

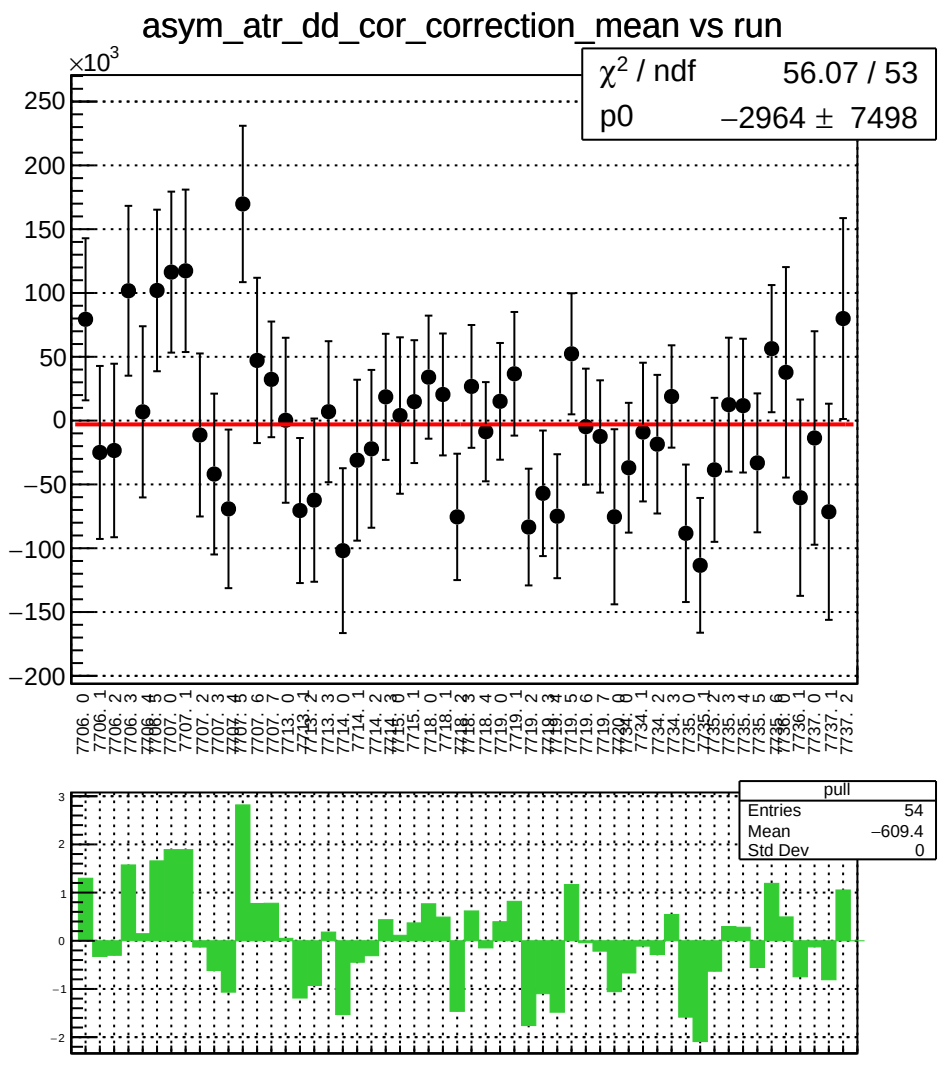

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −2964 ± 7498
pull
Entries 54
Mean −609.2
Std Dev 0
pull1D
Entries 54
Mean 0.007223
Std Dev 1.019

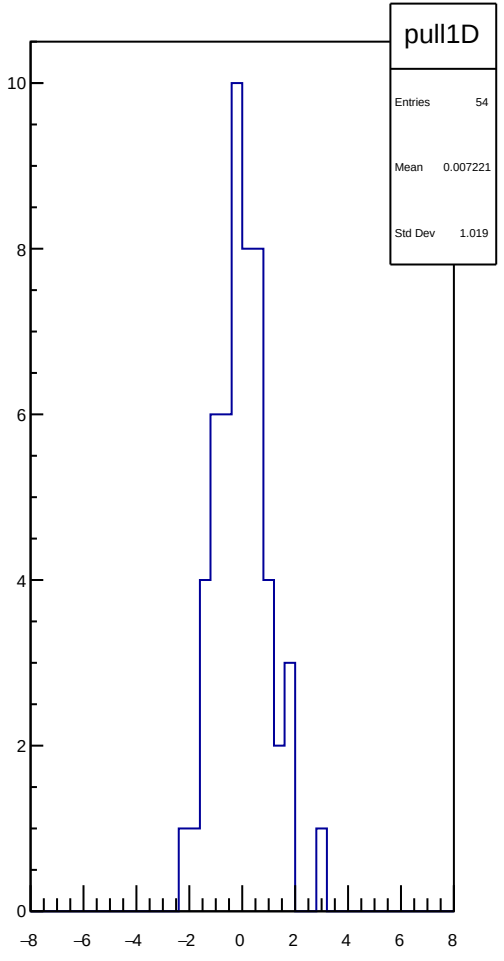

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2.773e+04 / 53
p0 5392 ± 5.302
9000
8000
7000
6000
5000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

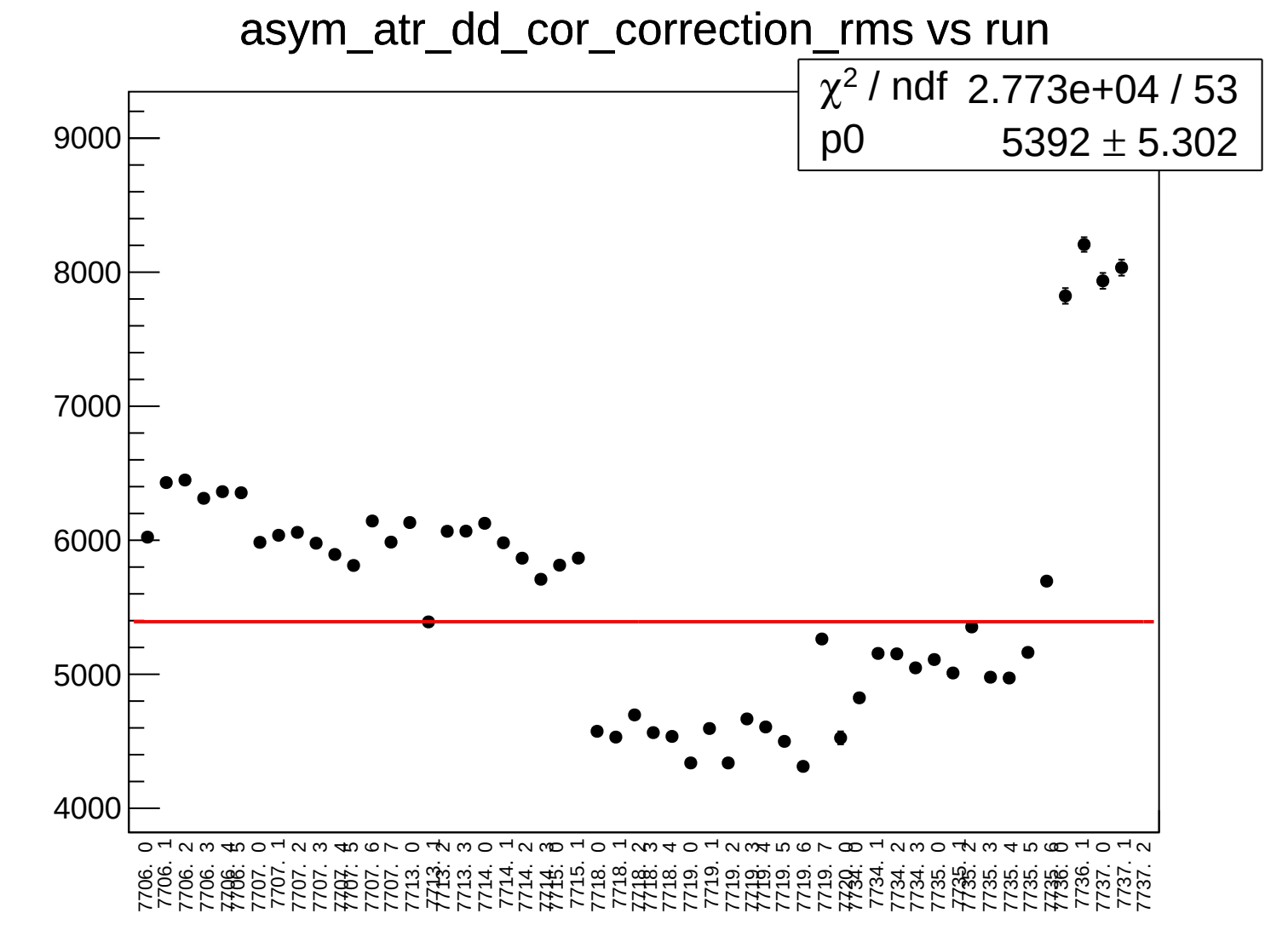

cor_asym_atr_dd_mean vs run
χ² / ndf 41.37 / 53
p0 751 ± 2600
pull
Entries 54
Mean −78.99
Std Dev 0

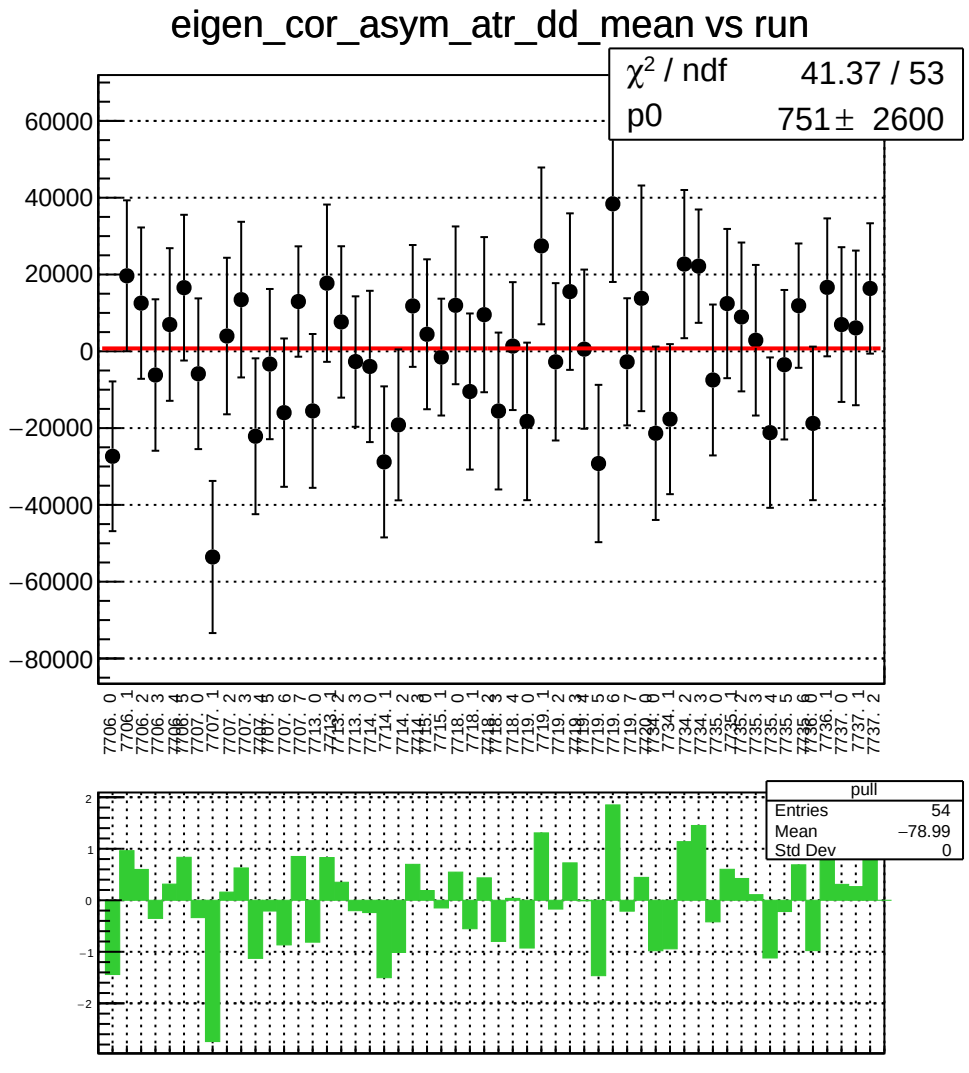

pull1D
Entries 54
Mean −0.02275
Std Dev 0.875

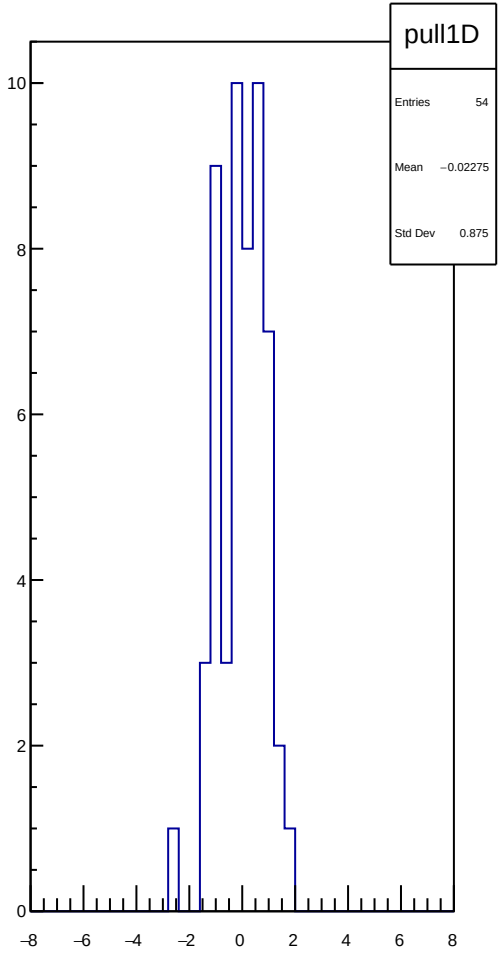

cor_asym_atr_dd_rms vs run
χ^2 / ndf 711.3 / 53
p0 1894 ± 1.838
2150
2100
2050
2000
1950
1900
1850
1800

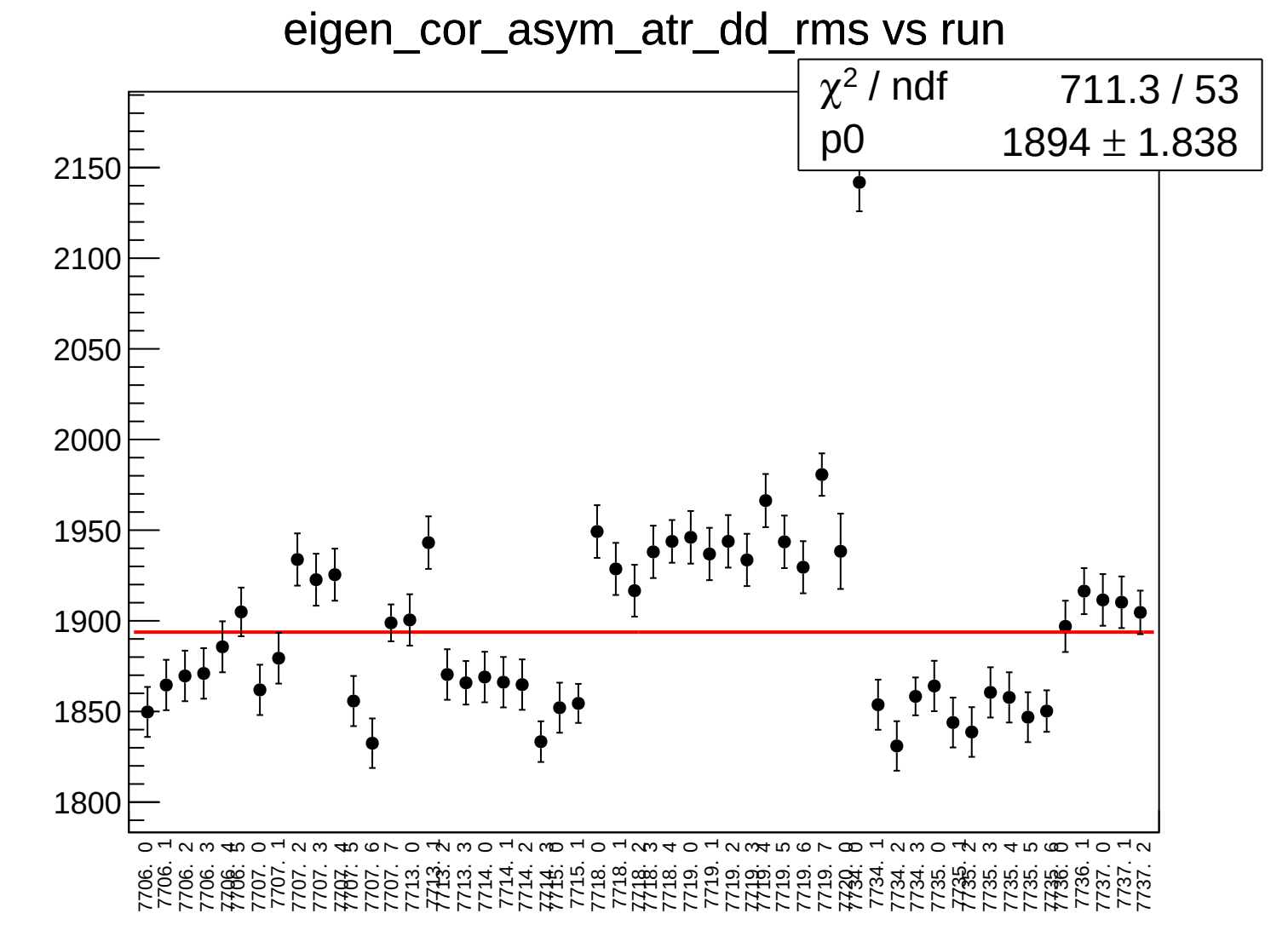

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −2964 ± 7498
pull
Entries 54
Mean −609.4
Std Dev 0

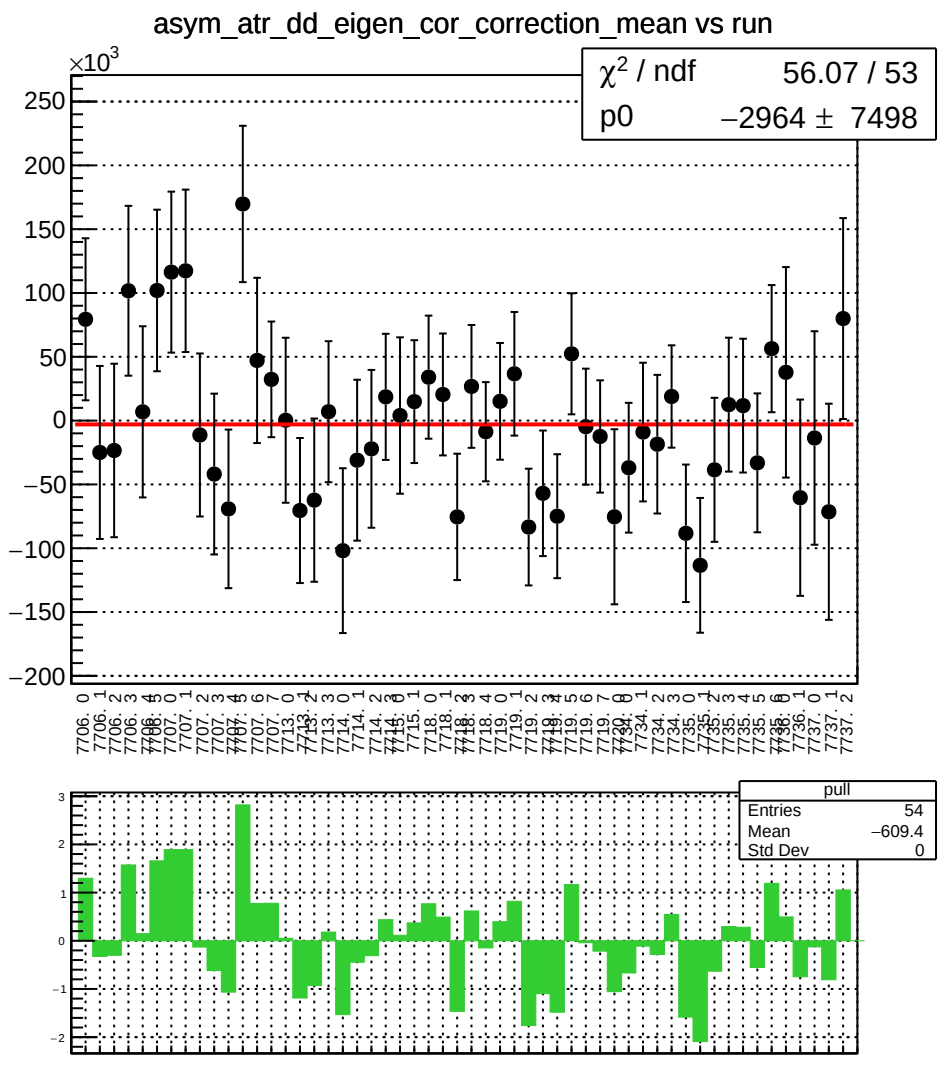

pull1D
Entries 54
Mean 0.007221
Std Dev 1.019

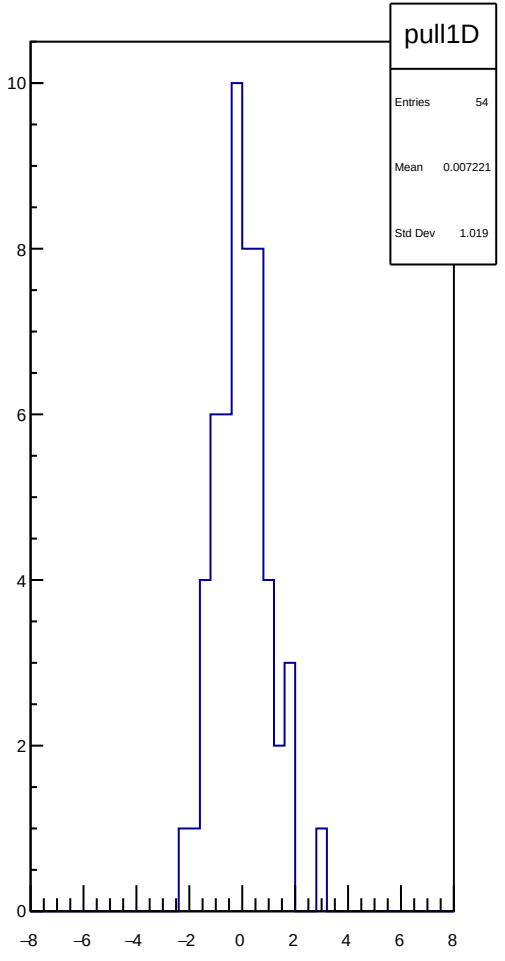

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2.773e+04 / 53
p0 5392 ± 5.302
9000
8000
7000
6000
5000
4000

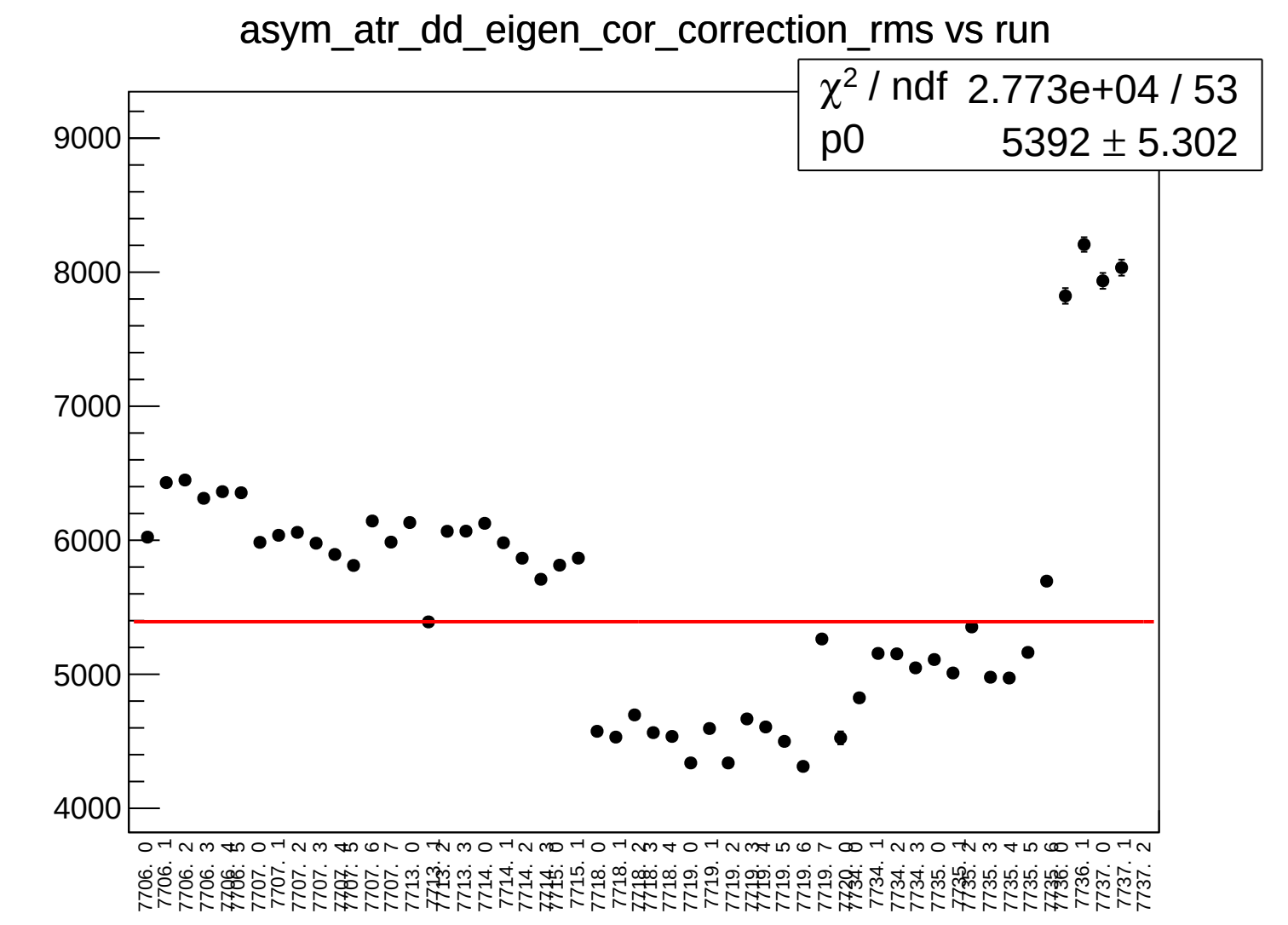

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 41.37 / 53
p0 751 ± 2600
pull
Entries 54
Mean −78.99
Std Dev 0

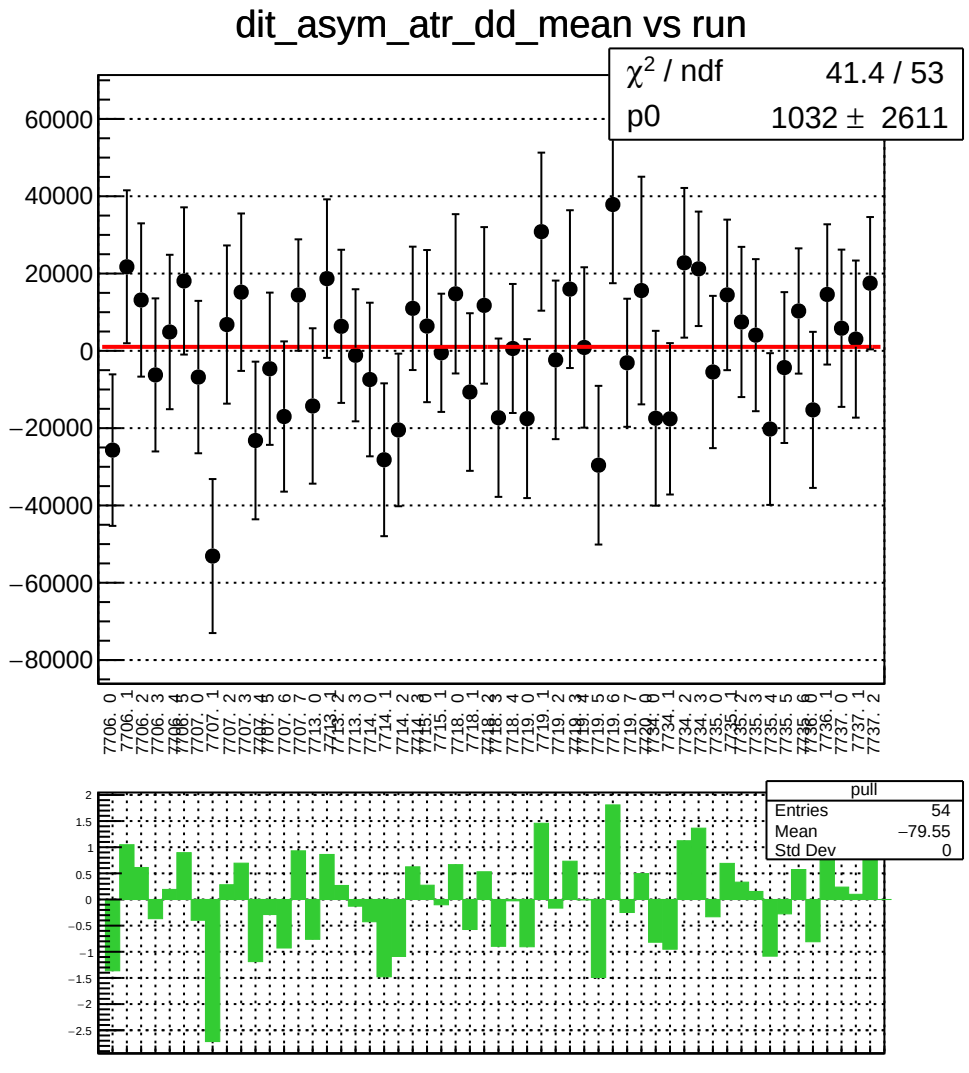

pull1D
Entries 54
Mean −0.02275
Std Dev 0.875

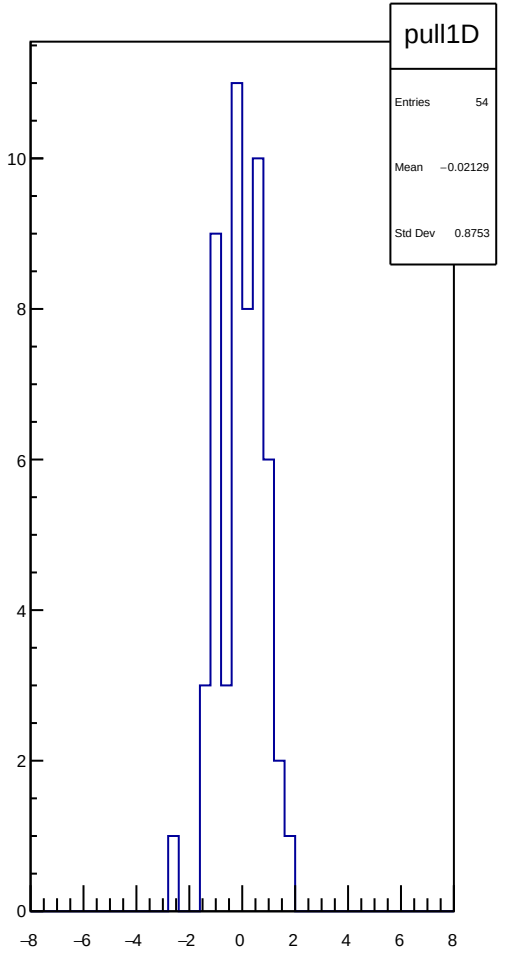

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 711.3 / 53
p0 1894 ± 1.838
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

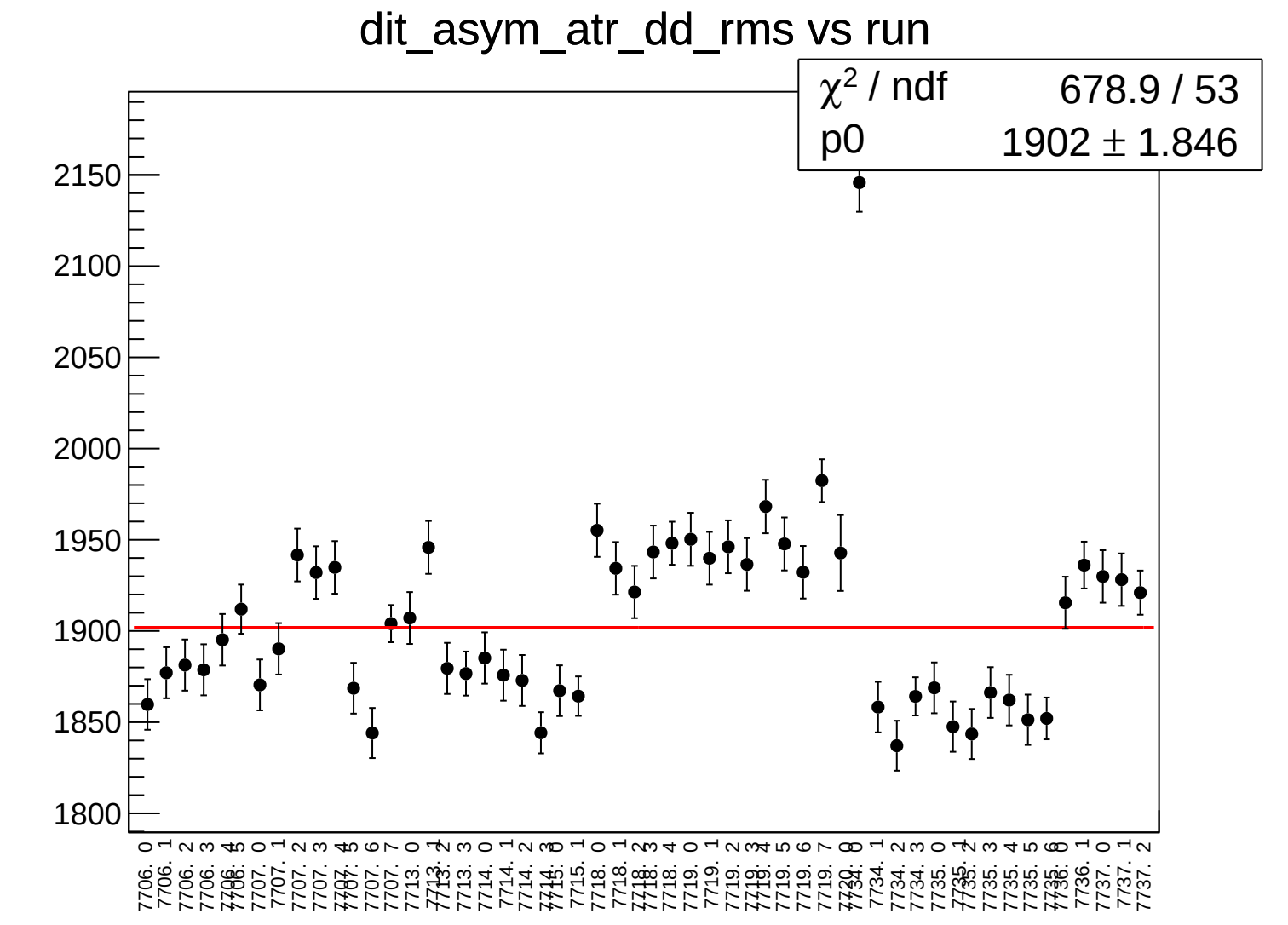

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −2964 ± 7498
pull
Entries 54
Mean −609.4
Std Dev 0

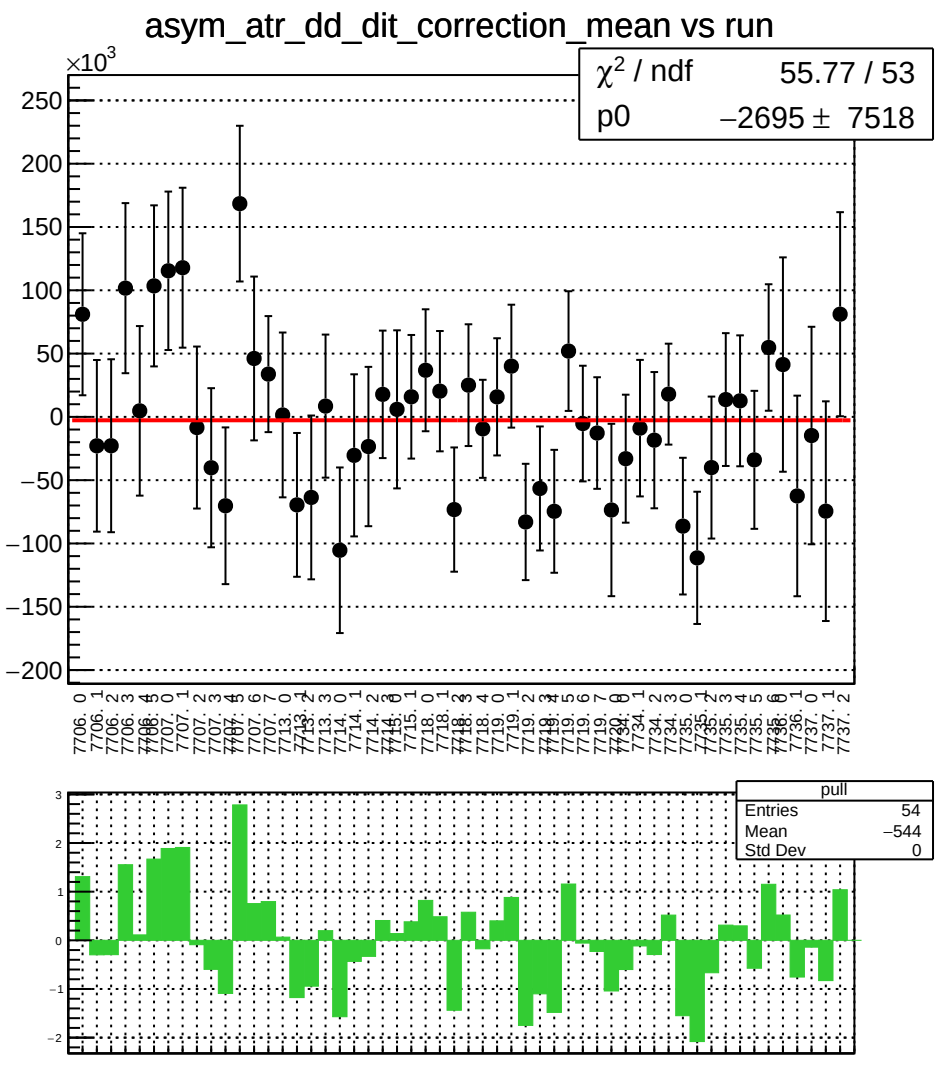

pull1D
Entries 54
Mean 0.007221
Std Dev 1.019

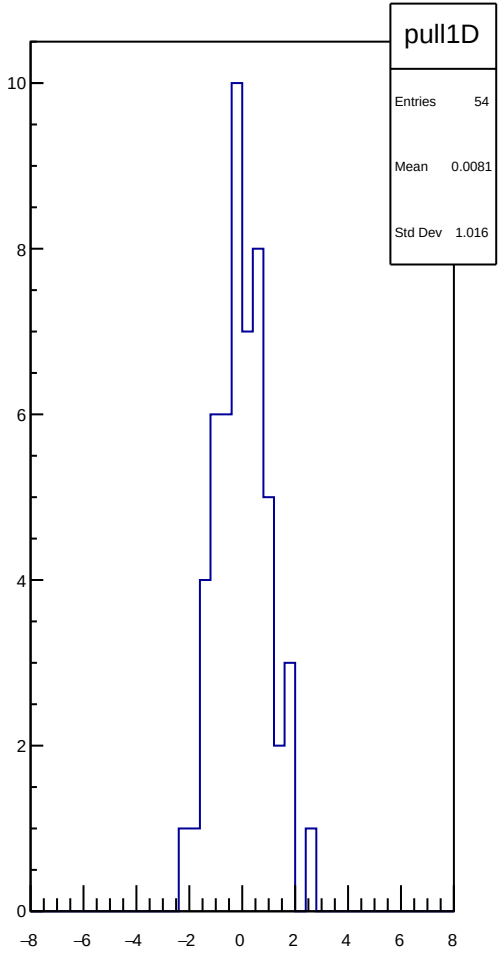

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.773e+04 / 53
p0 5392 ± 5.302
9000
8000
7000
6000
5000
4000

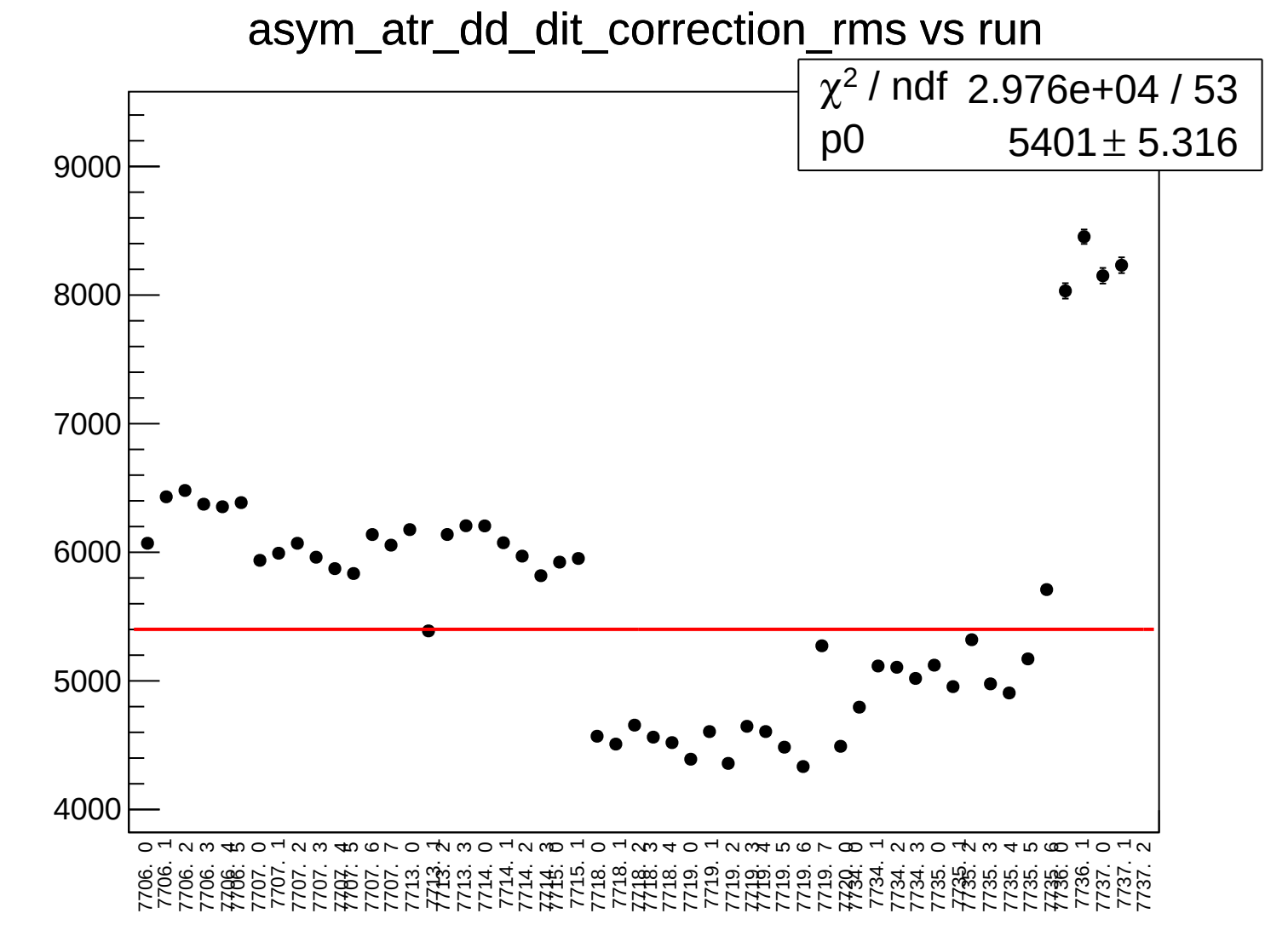

dit_asym_atr_dd_mean vs run
χ^2 / ndf 41.4 / 53
p0 1032 ± 2611
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −79.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

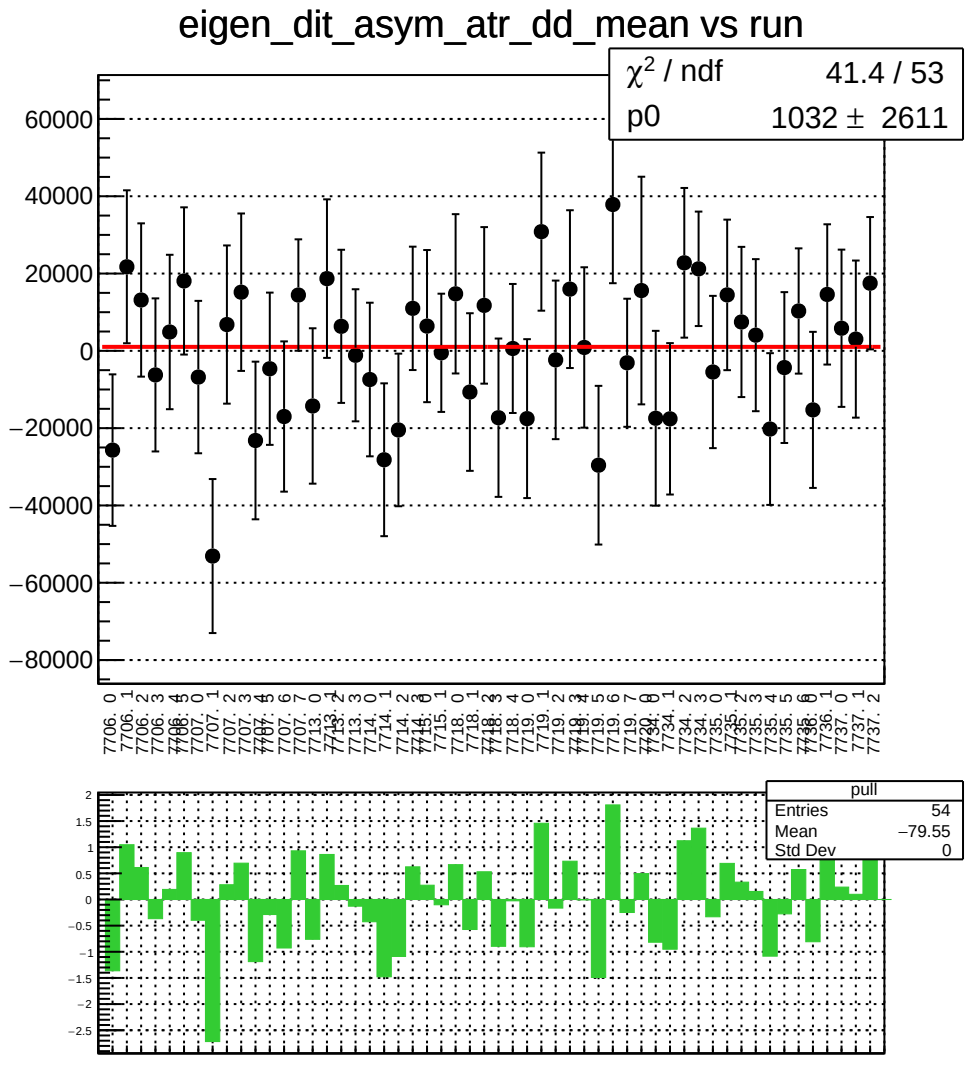

pull1D
Entries 54
Mean −0.02129
Std Dev 0.8753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

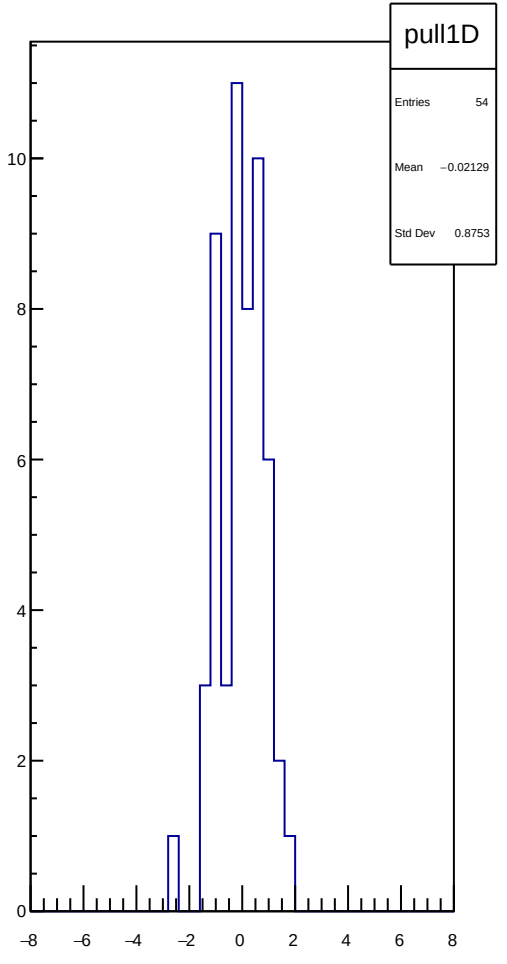

dit_asym_atr_dd_rms vs run
χ² / ndf 678.9 / 53
p0 1902 ± 1.846
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

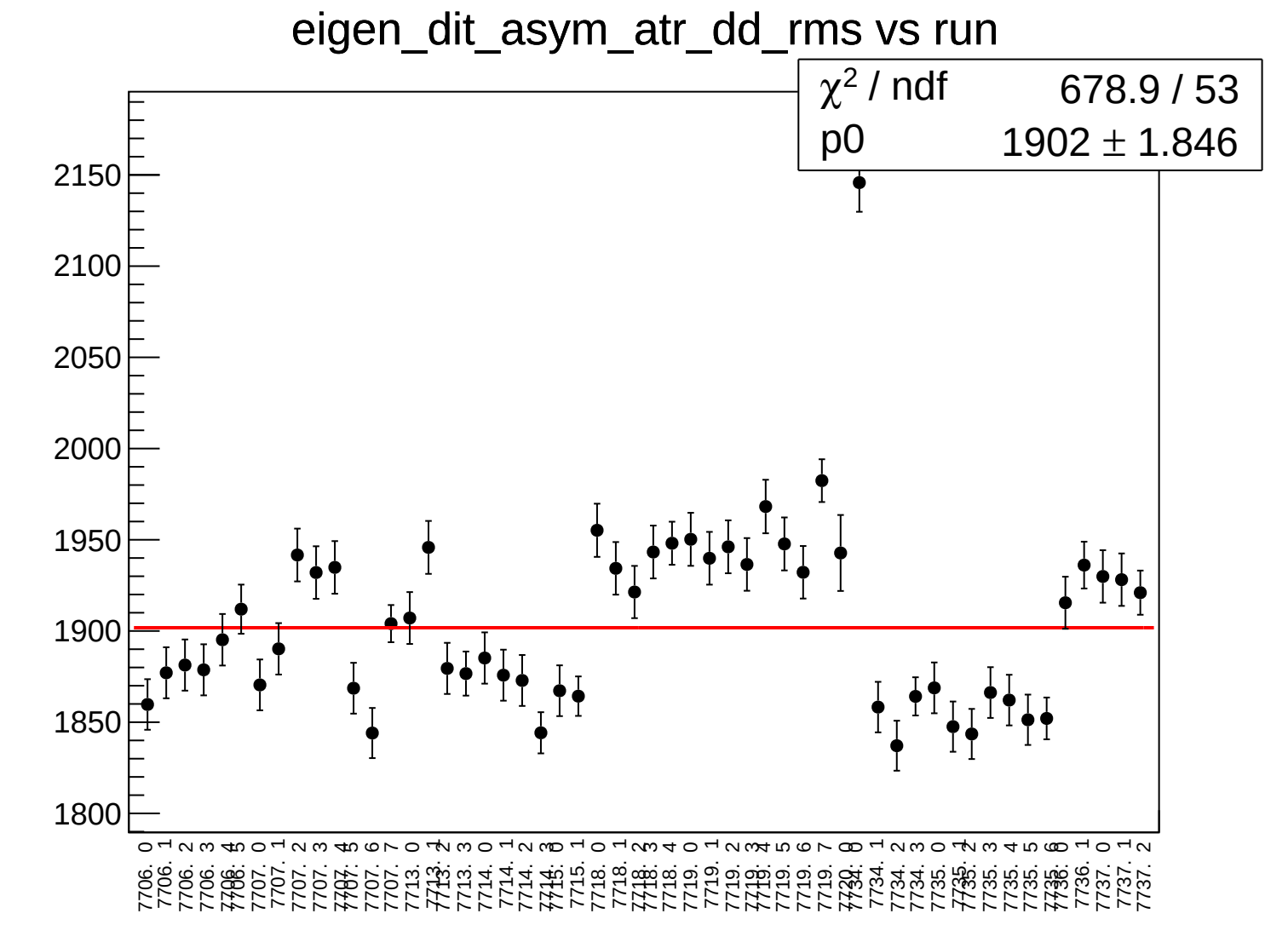

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 55.77 / 53
p0 −2695 ± 7518
pull
Entries 54
Mean −544
Std Dev 0

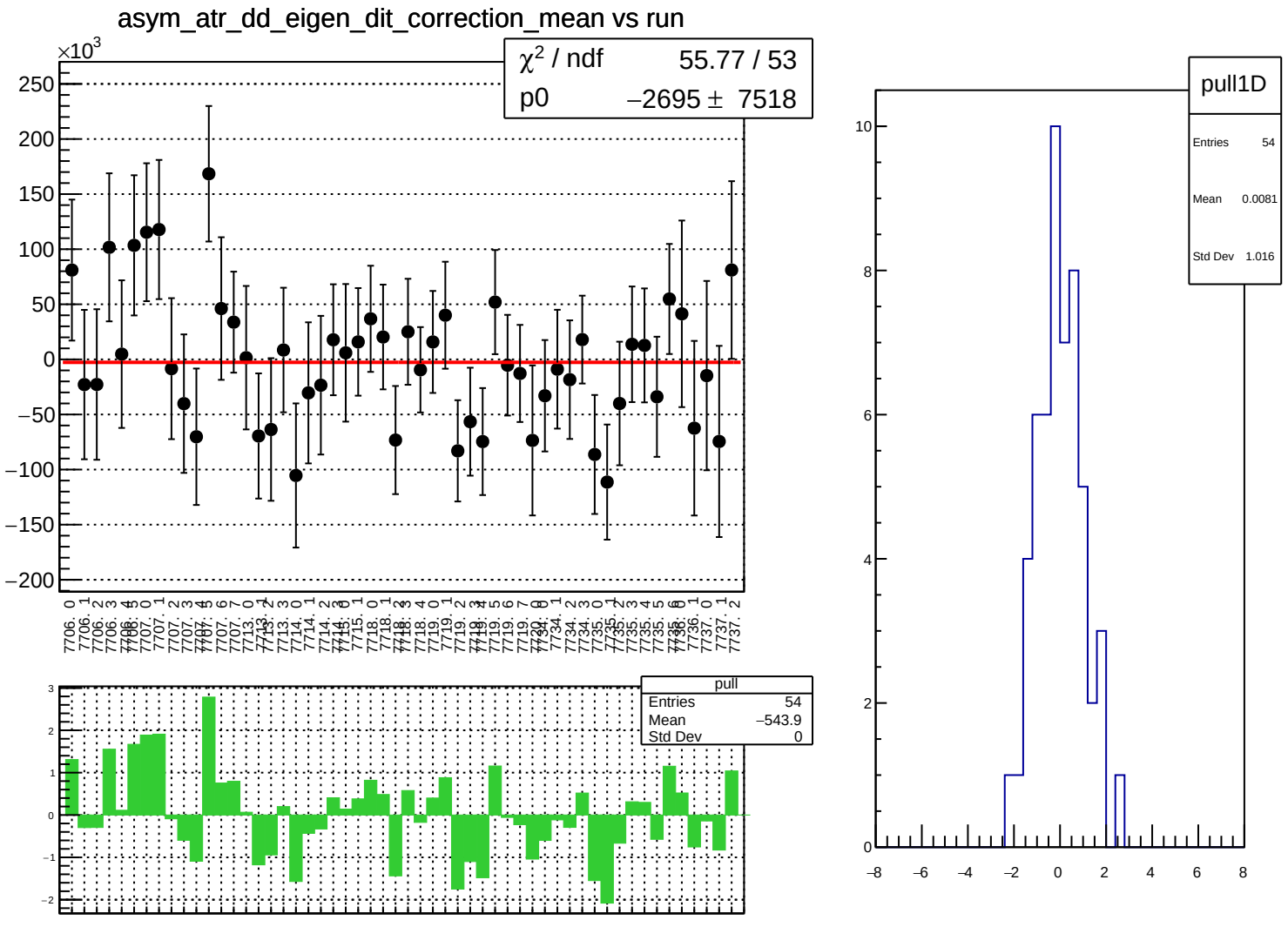

pull1D
Entries 54
Mean 0.0081
Std Dev 1.016

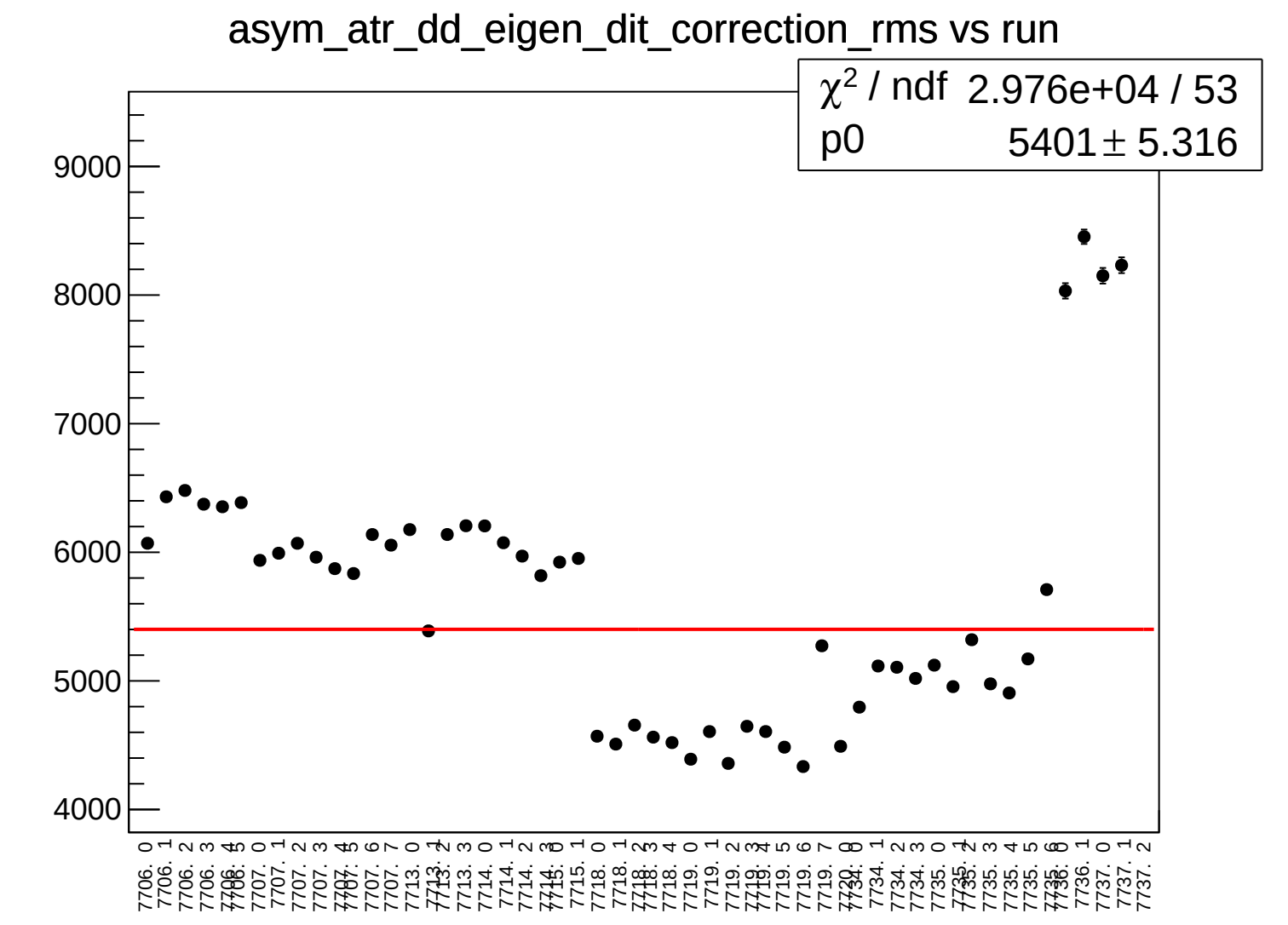

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 2.976e+04 / 53
p0 5401 ± 5.316
9000
8000
7000
6000
5000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

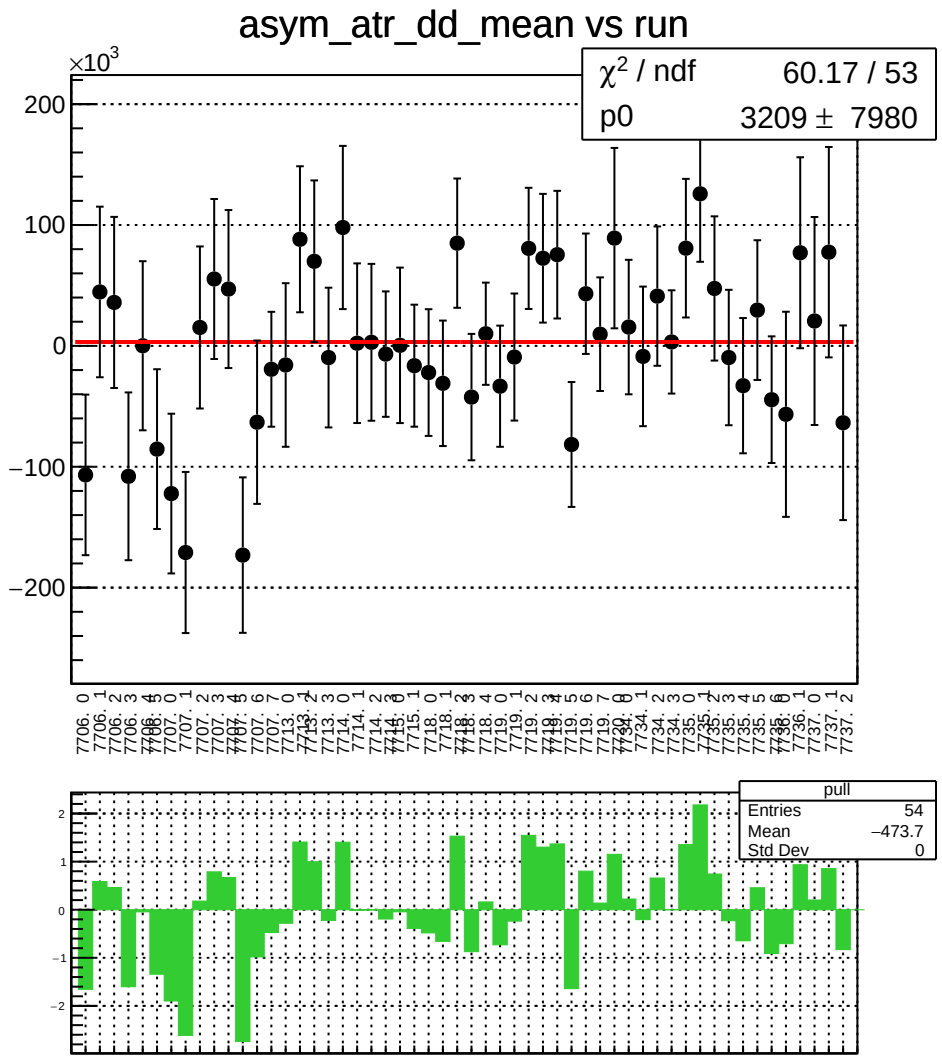

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 41.4 / 53
p0 1032 ± 2611
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −79.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

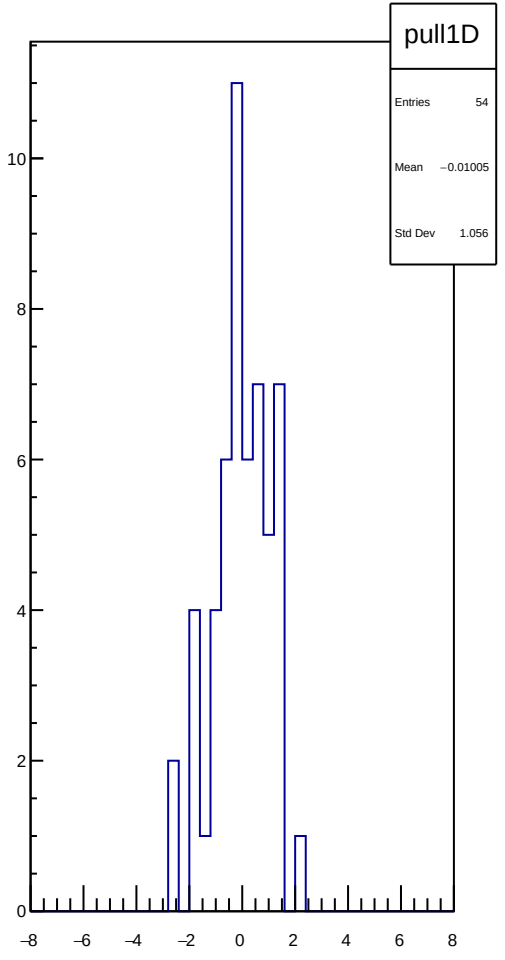

pull1D
Entries 54
Mean −0.02129
Std Dev 0.8753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

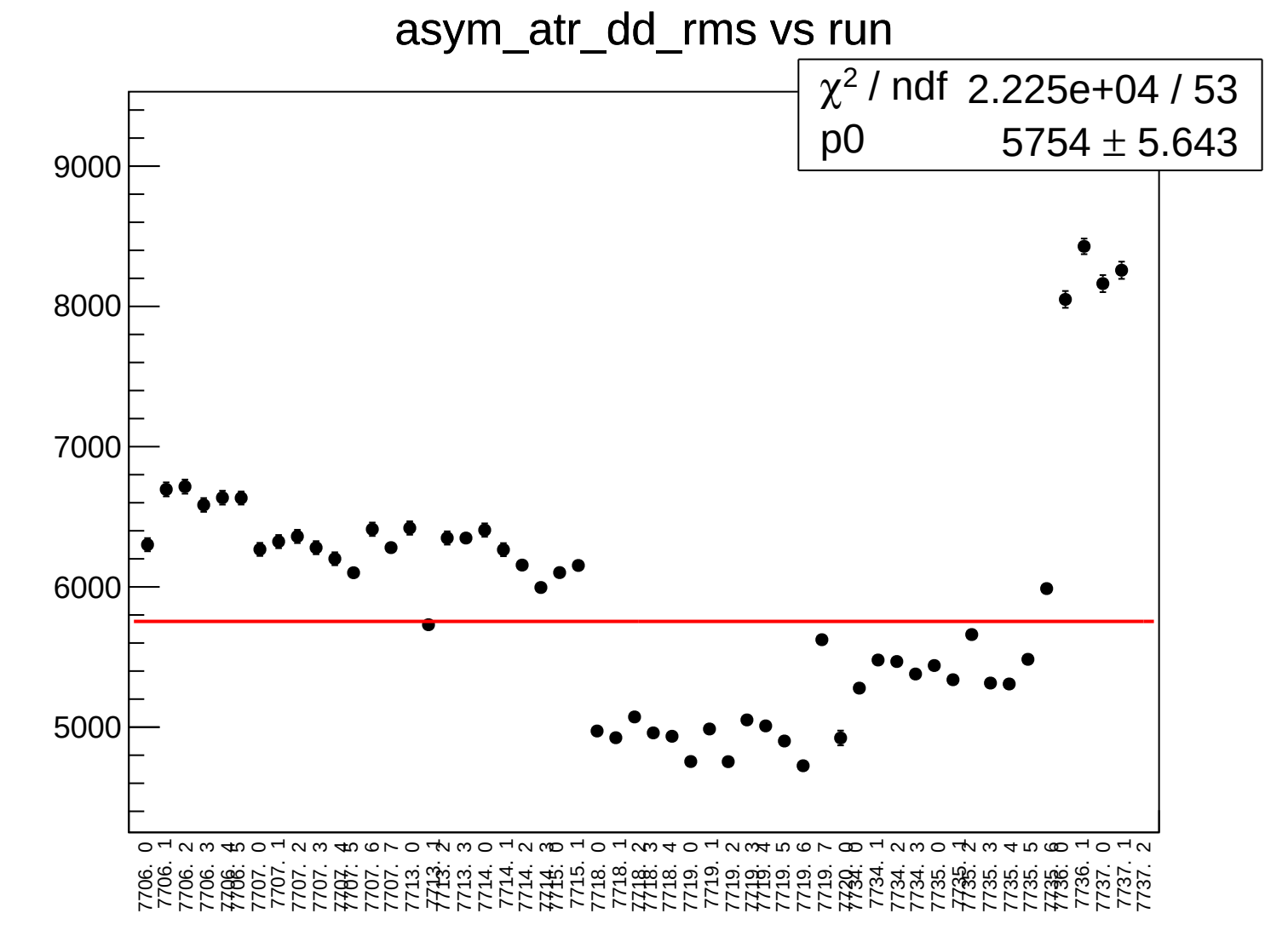

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 678.9 / 53
p0 1902 ± 1.846
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

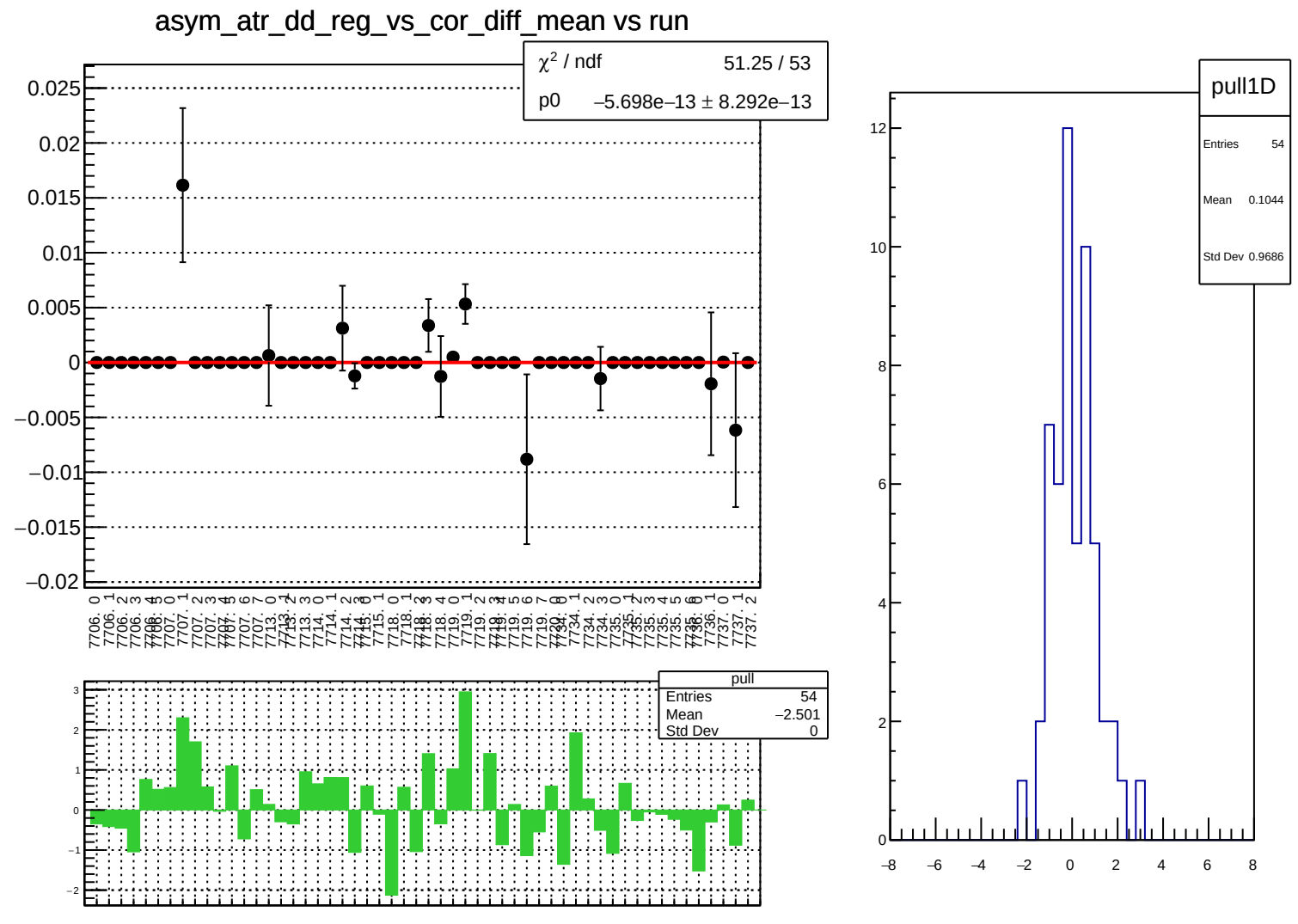

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 55.77 / 53
p0 −2695 ± 7518
pull
Entries 54
Mean −543.9
Std Dev 0
pull1D
Entries 54
Mean 0.0081
Std Dev 1.016

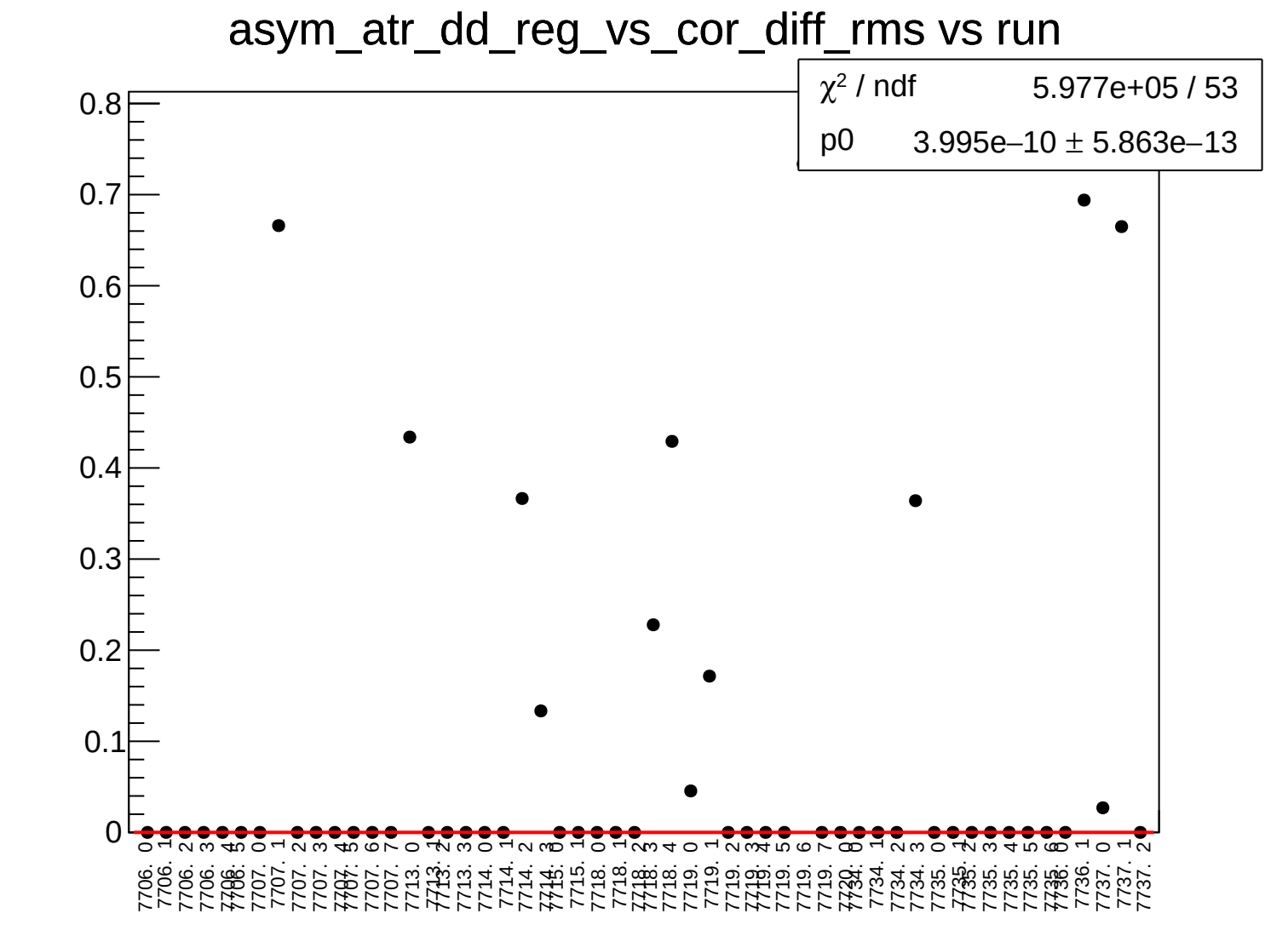

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.976e+04 / 53
p0 5401 ± 5.316
9000
8000
7000
6000
5000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

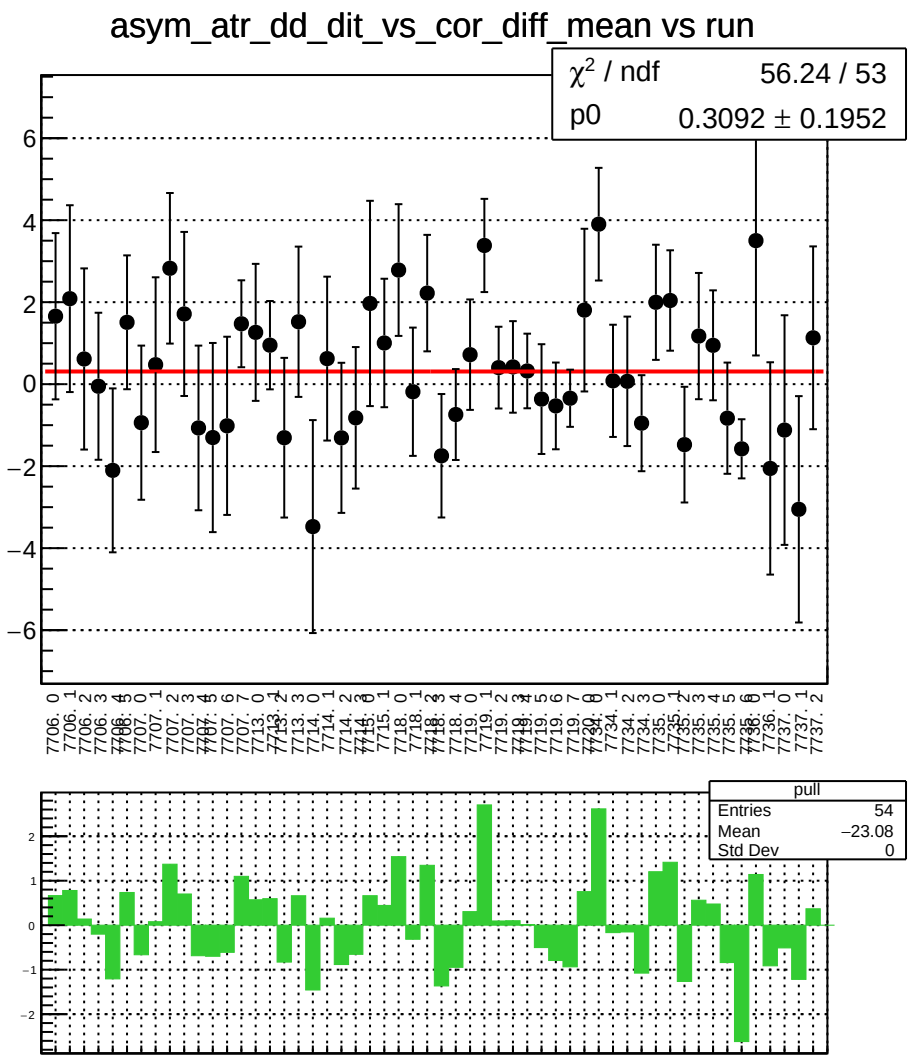

asym_atr_dd_mean vs run
×10^3
χ² / ndf 60.17 / 53
p0 3209 ± 7980
200
100
0
−100
−200
pull
Entries 54
Mean −473.7
Std Dev 0
2
1
0
−1
−2

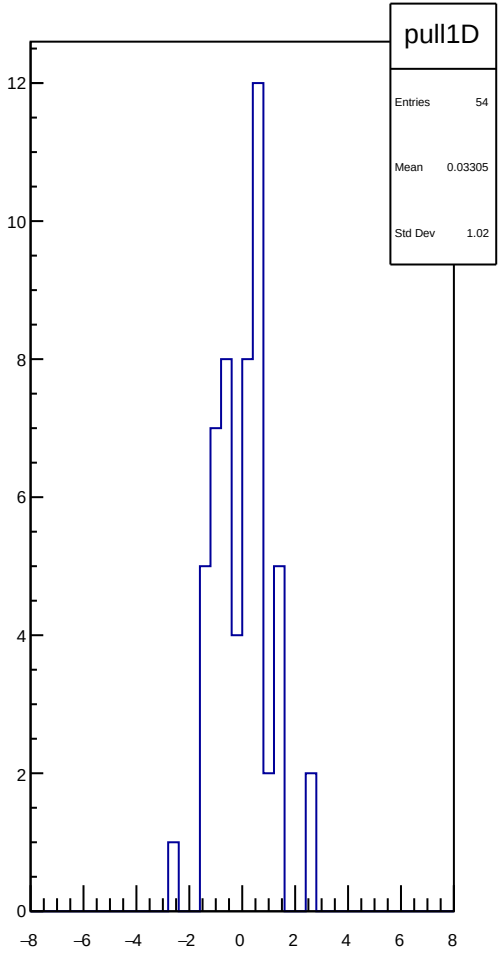

pull1D
Entries 54
Mean −0.01005
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

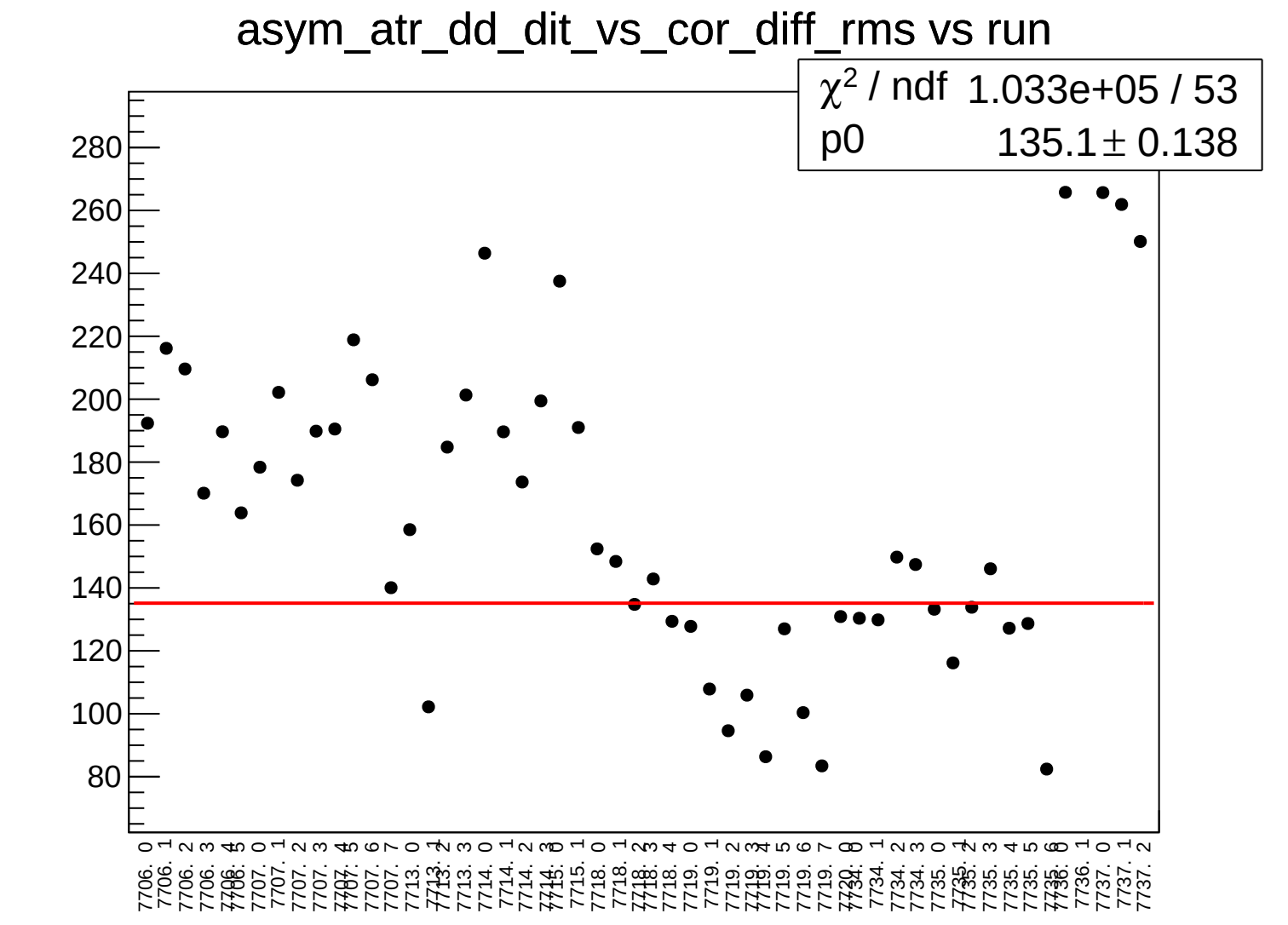

asym_atr_dd_rms vs run
χ^2 / ndf 2.225e+04 / 53
p0 5754 ± 5.643
9000
8000
7000
6000
5000

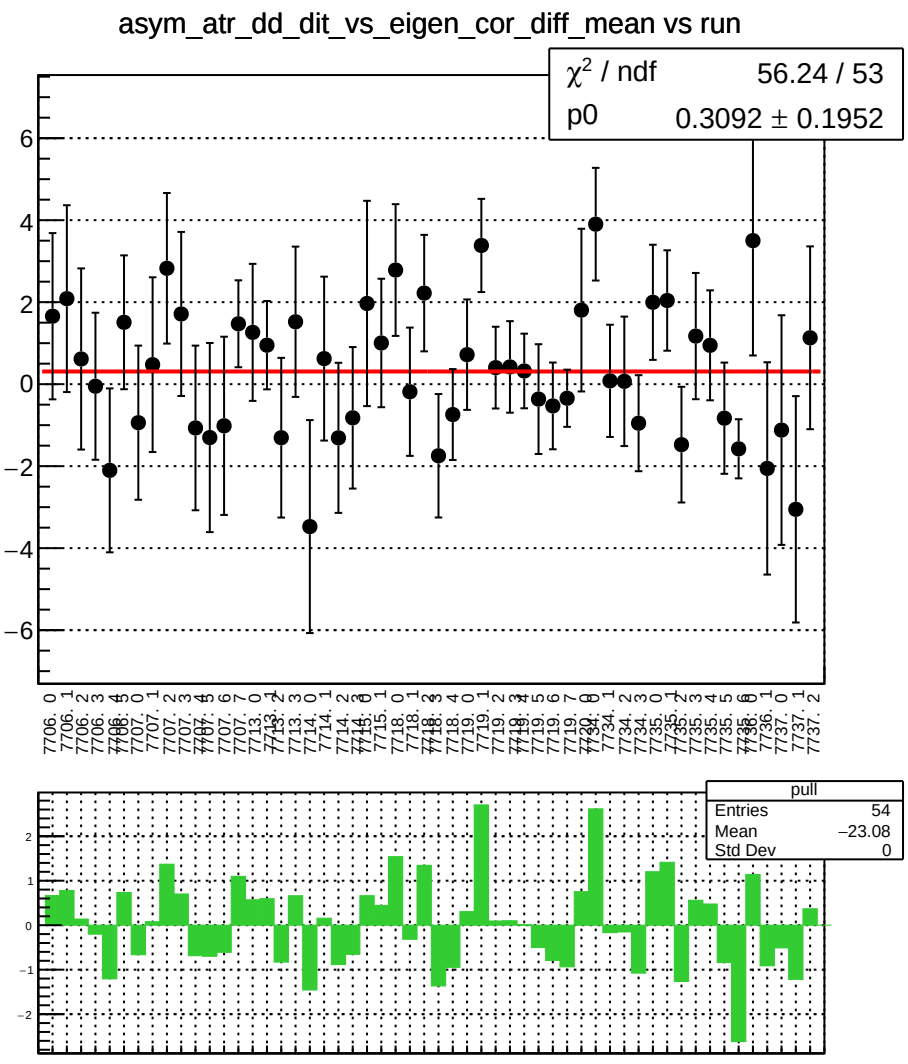

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.25 / 53
p0 −5.698e−13 ± 8.292e−13
pull
Entries 54
Mean −2.501
Std Dev 0
pull1D
Entries 54
Mean 0.1044
Std Dev 0.9686

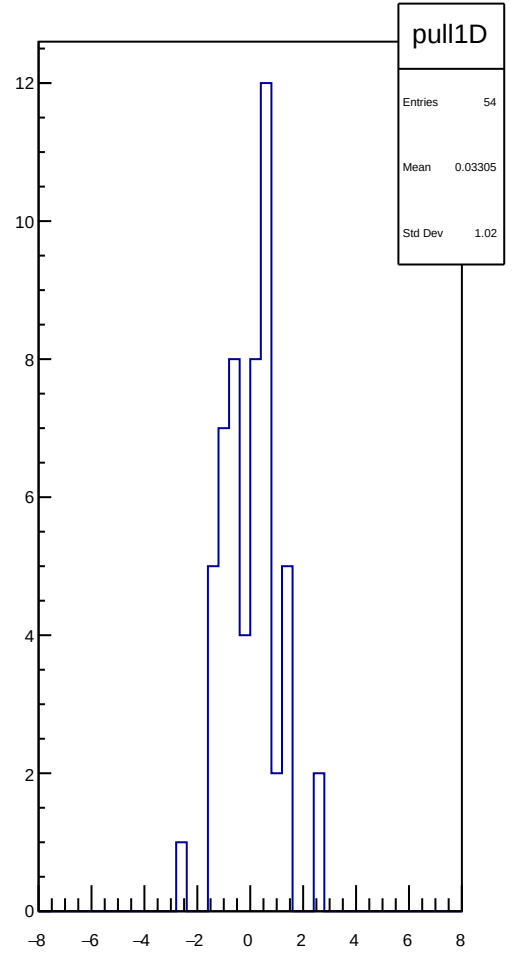

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.977e+05 / 53
p0 3.995e−10 ± 5.863e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

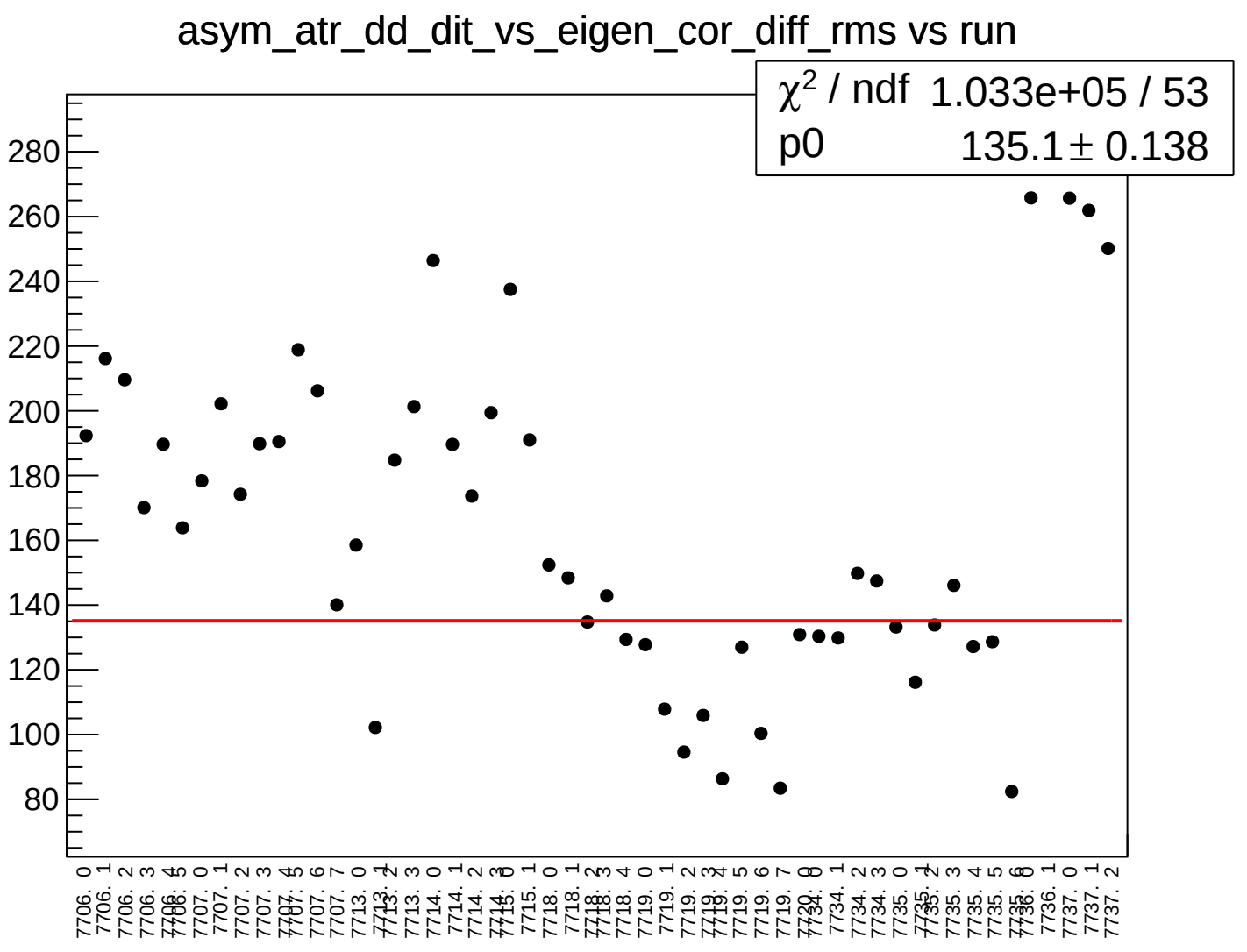

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.24 / 53
p0 0.3092 ± 0.1952
pull
Entries 54
Mean −23.08
Std Dev 0

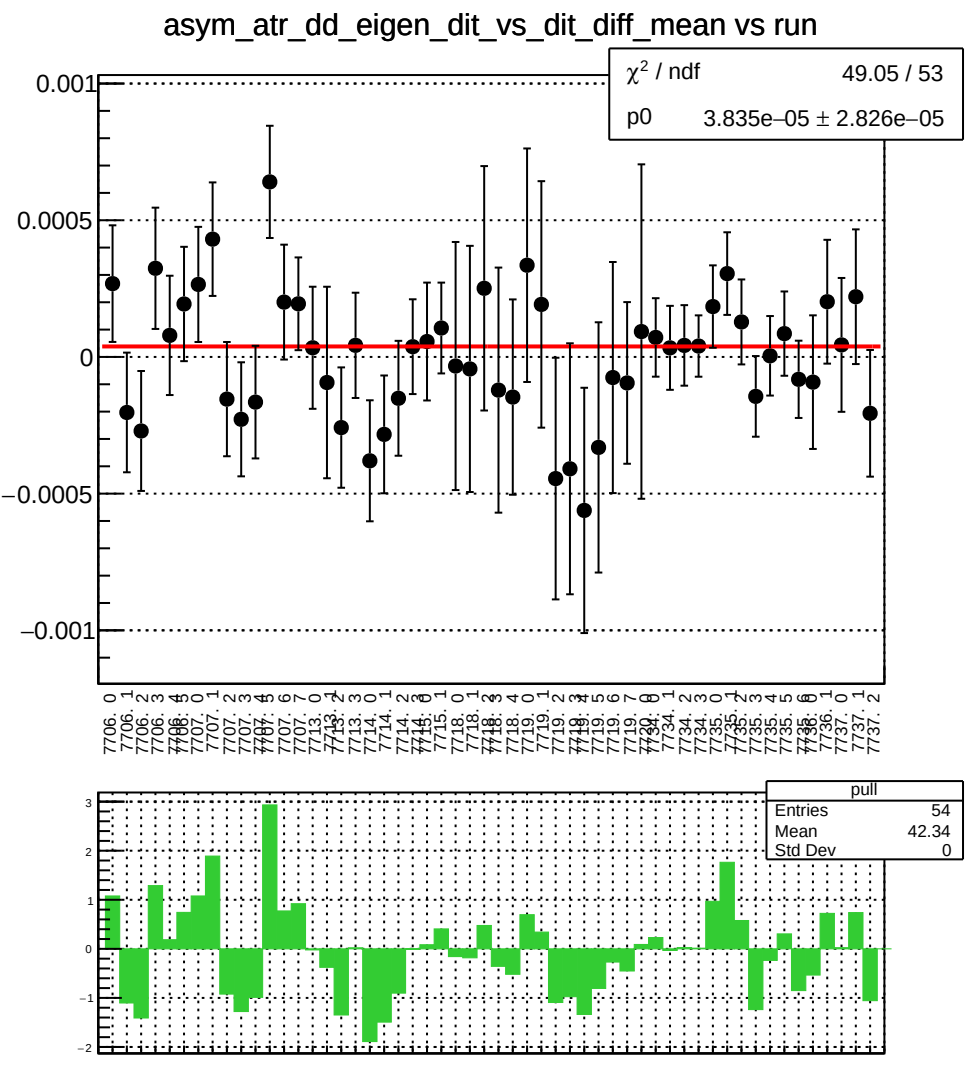

pull1D
Entries 54
Mean 0.03305
Std Dev 1.02

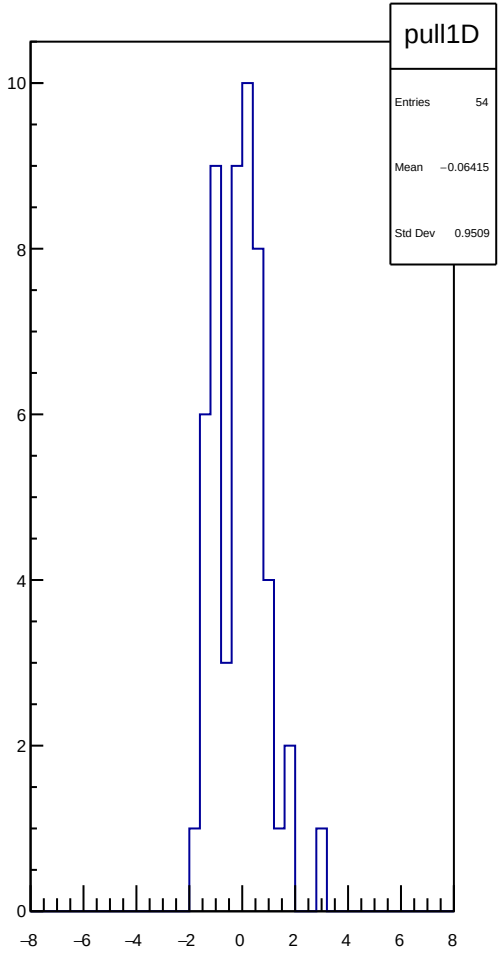

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.033e+05 / 53
p0 135.1 ± 0.138
280
260
240
220
200
180
160
140
120
100
80

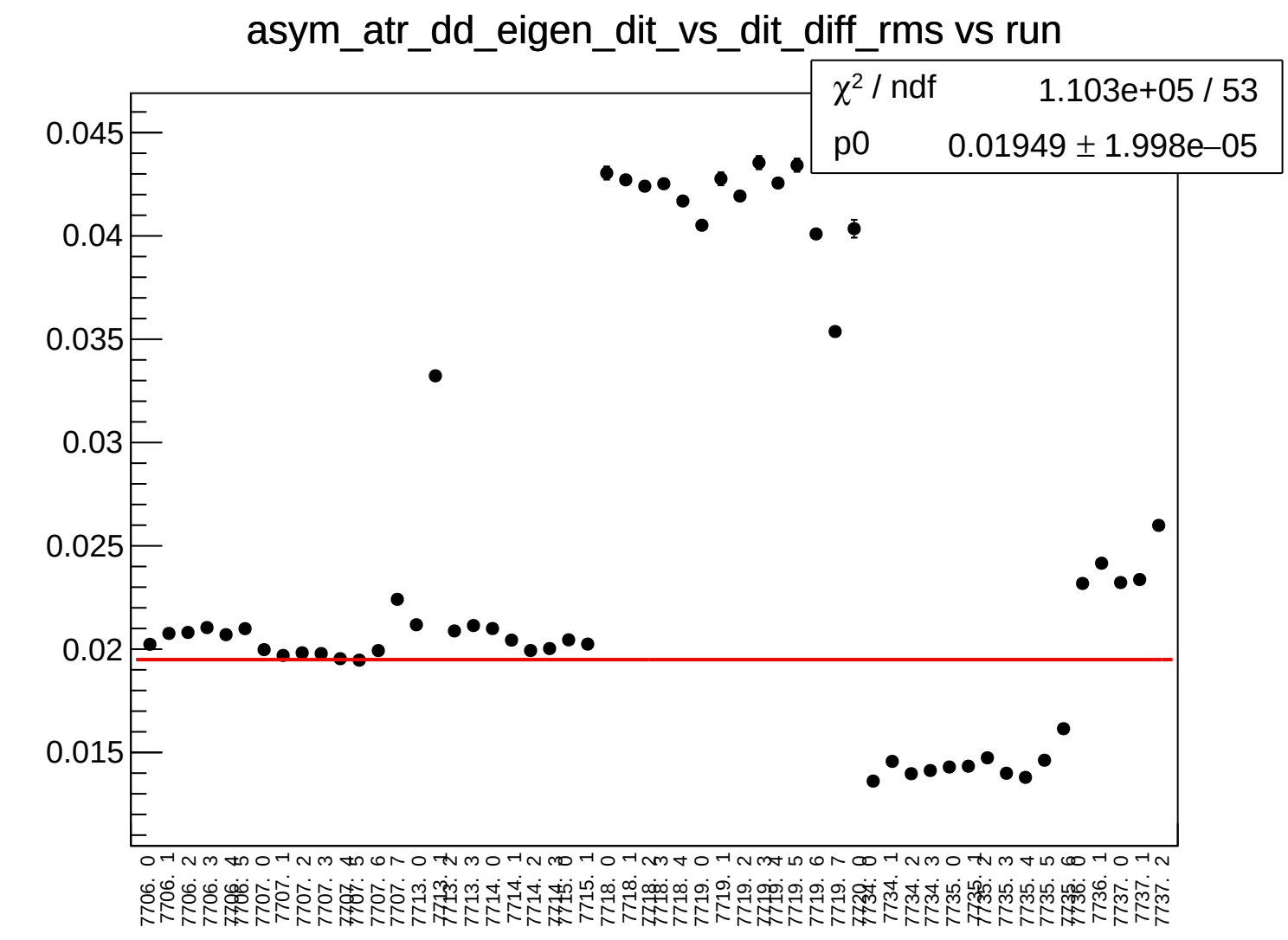

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.24 / 53
p0 0.3092 ± 0.1952
pull
Entries 54
Mean −23.08
Std Dev 0

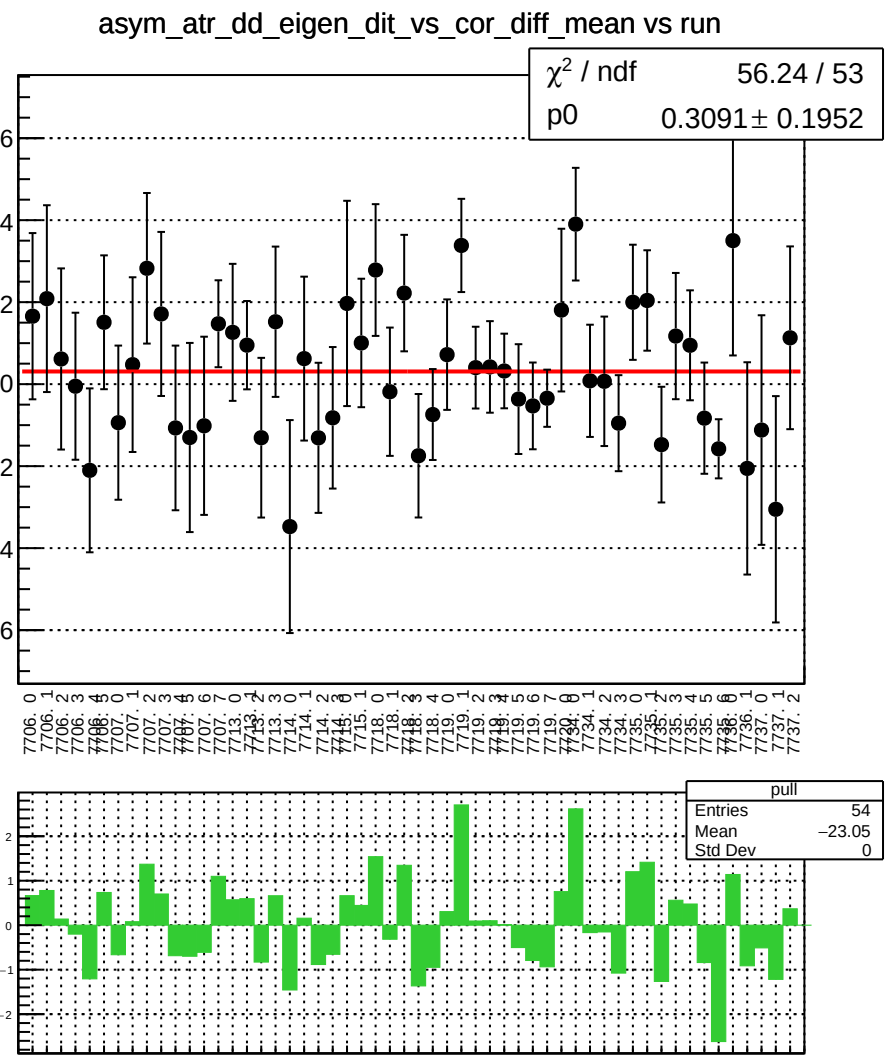

pull1D
Entries 54
Mean 0.03305
Std Dev 1.02

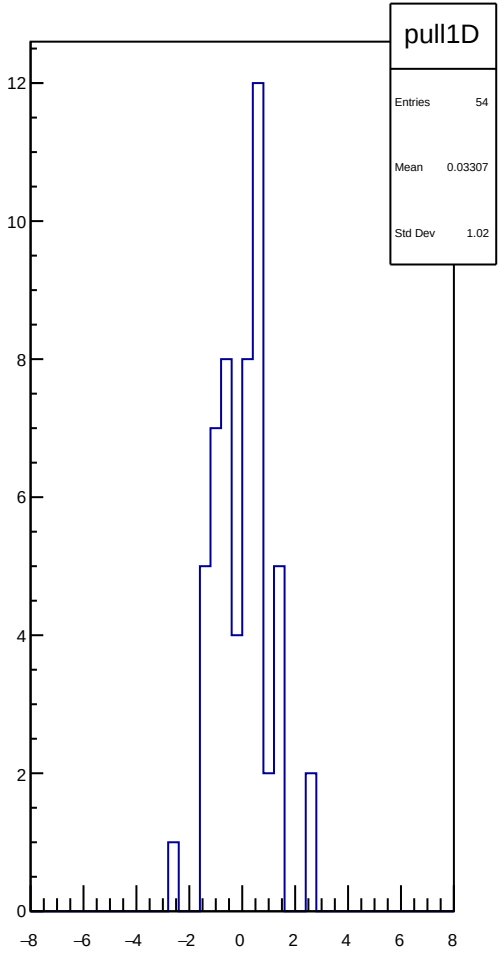

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.033e+05 / 53
p0 135.1 ± 0.138
280
260
240
220
200
180
160
140
120
100
80

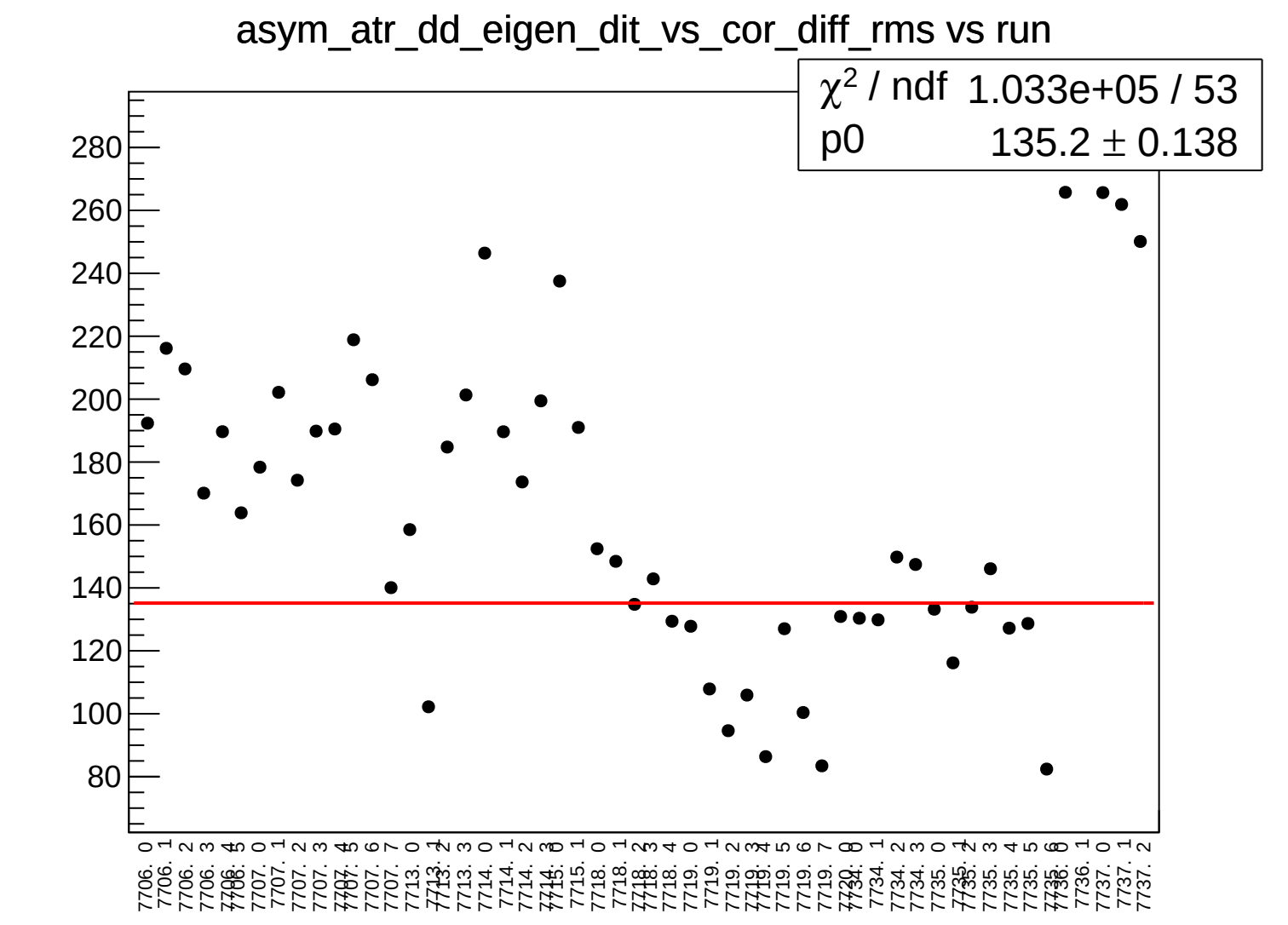

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.05 / 53
p0 3.835e−05 ± 2.826e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 42.34
Std Dev 0
3
2
1
0
−1
−2

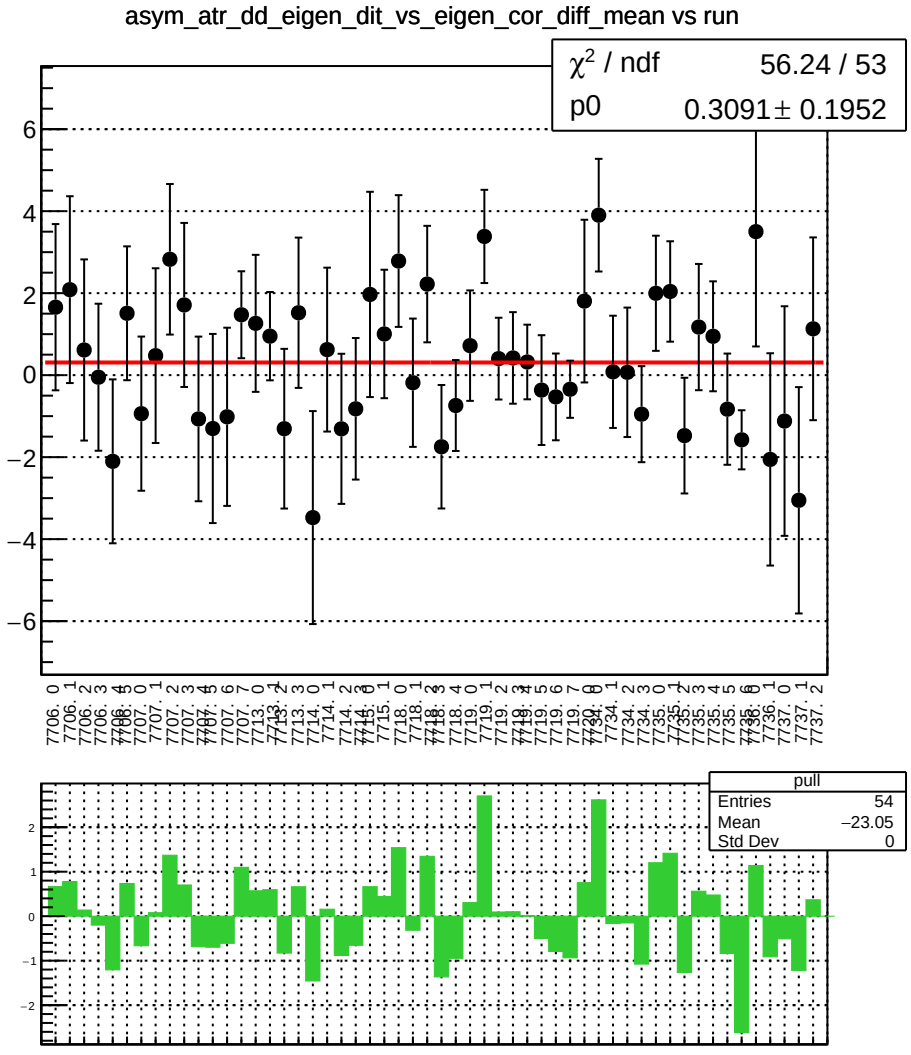

pull1D
Entries 54
Mean −0.06415
Std Dev 0.9509
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

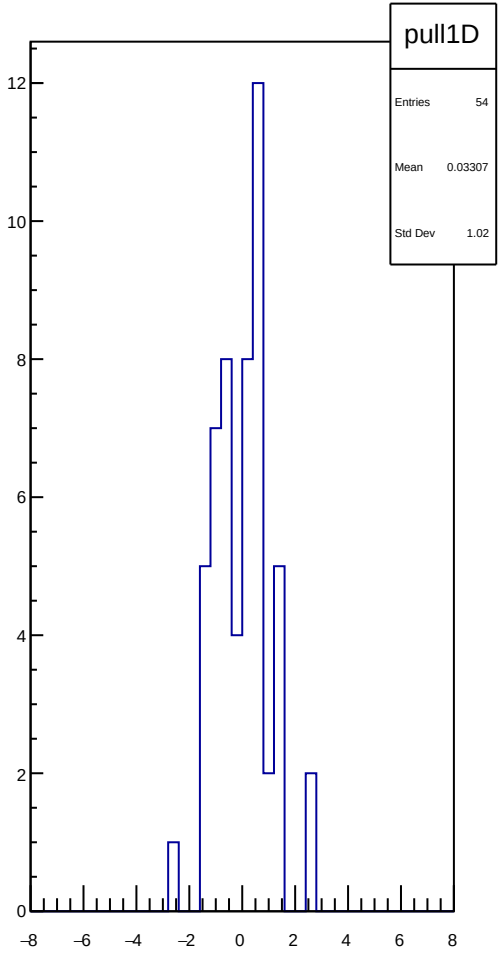

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.103e+05 / 53
p0 0.01949 ± 1.998e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

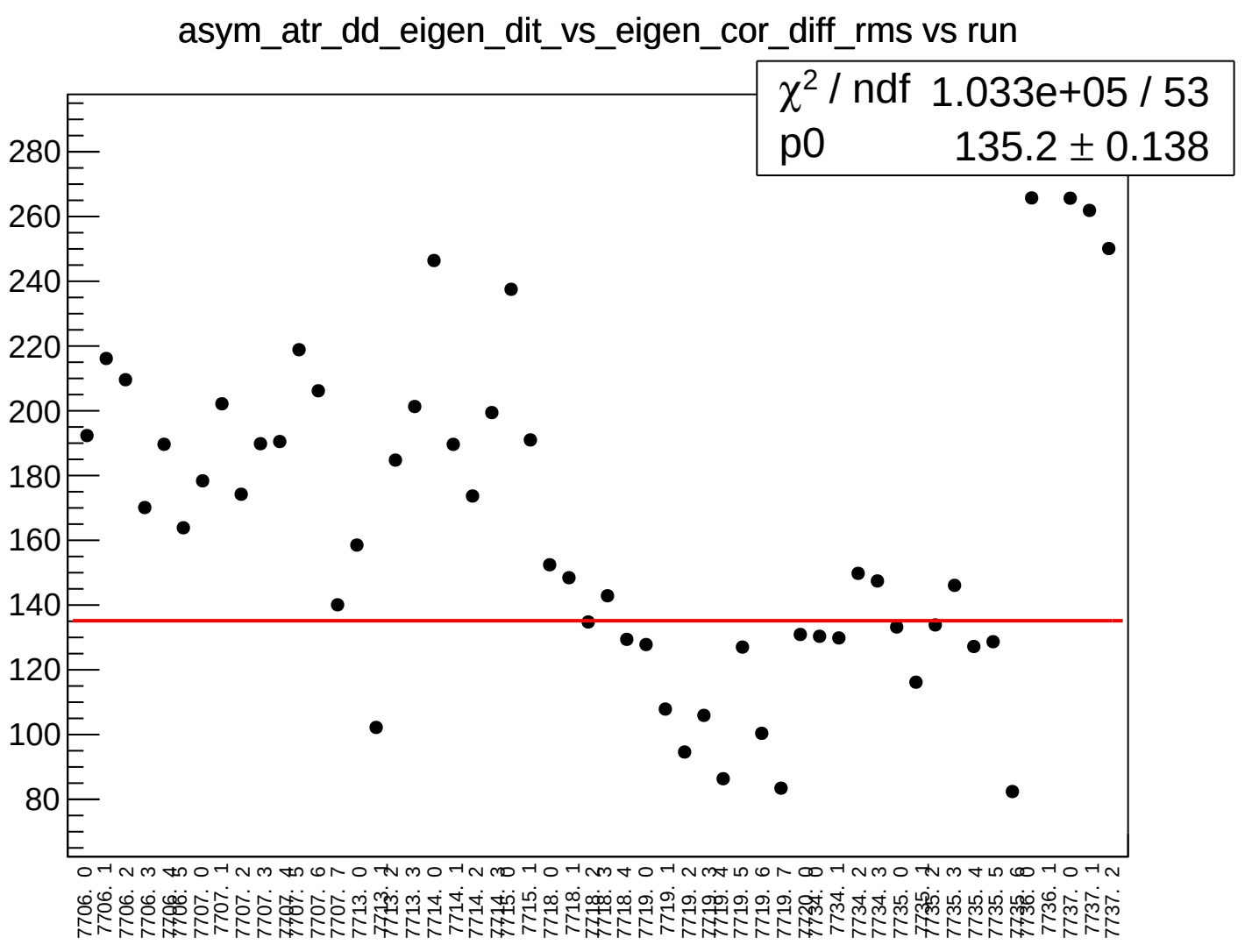

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.24 / 53
p0 0.3091 ± 0.1952
pull
Entries 54
Mean −23.05
Std Dev 0

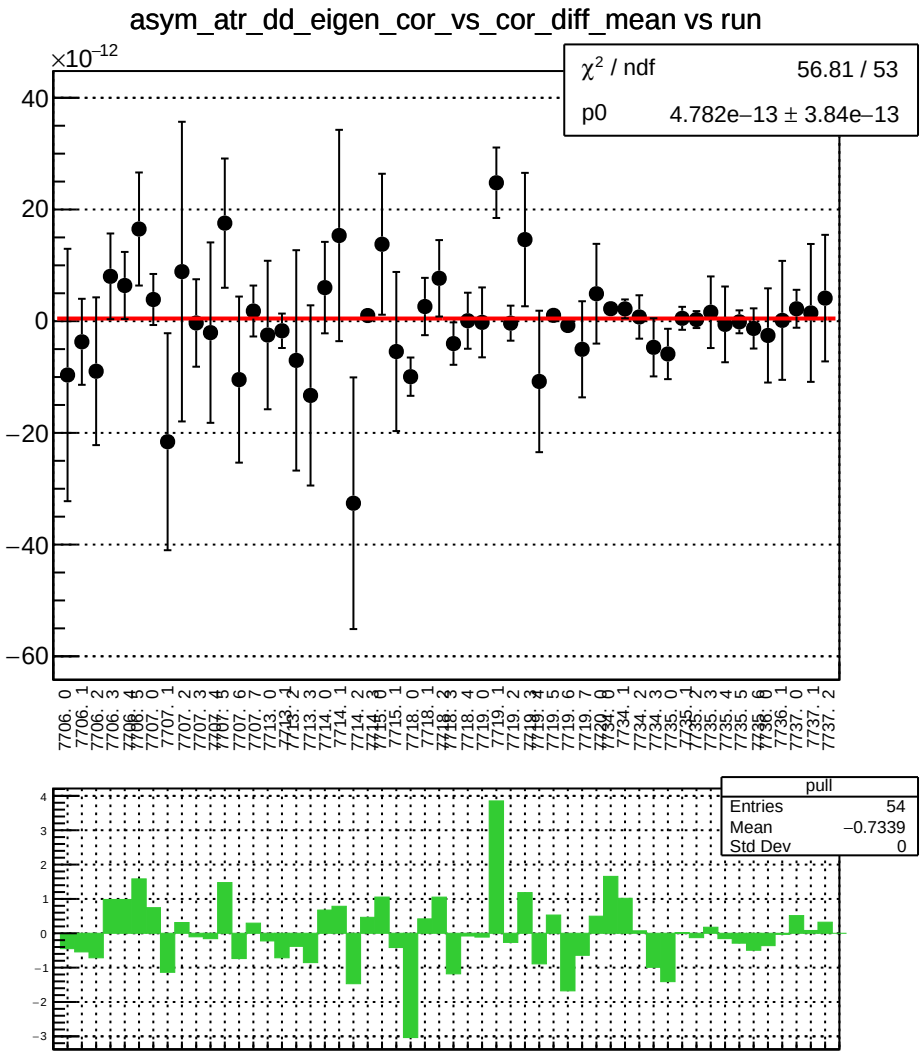

pull1D
Entries 54
Mean 0.03307
Std Dev 1.02

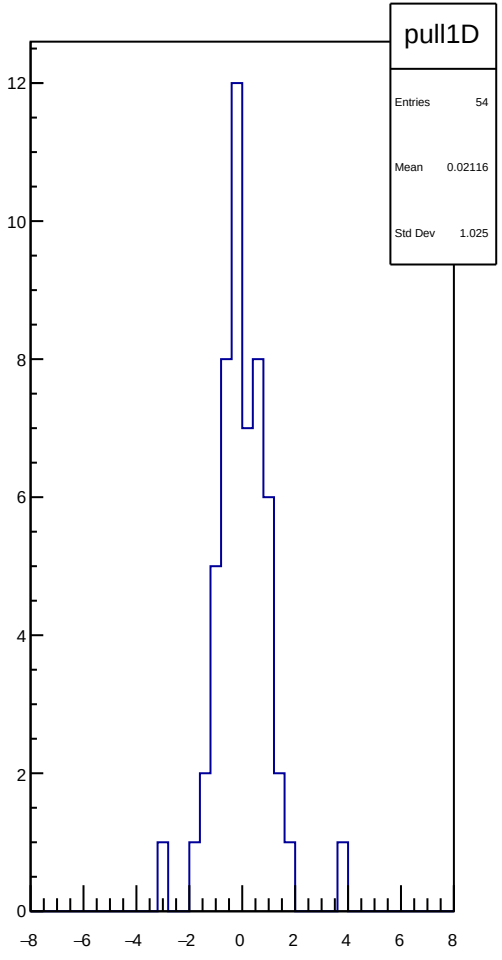

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 135.2 ± 0.138
280
260
240
220
200
180
160
140
120
100
80

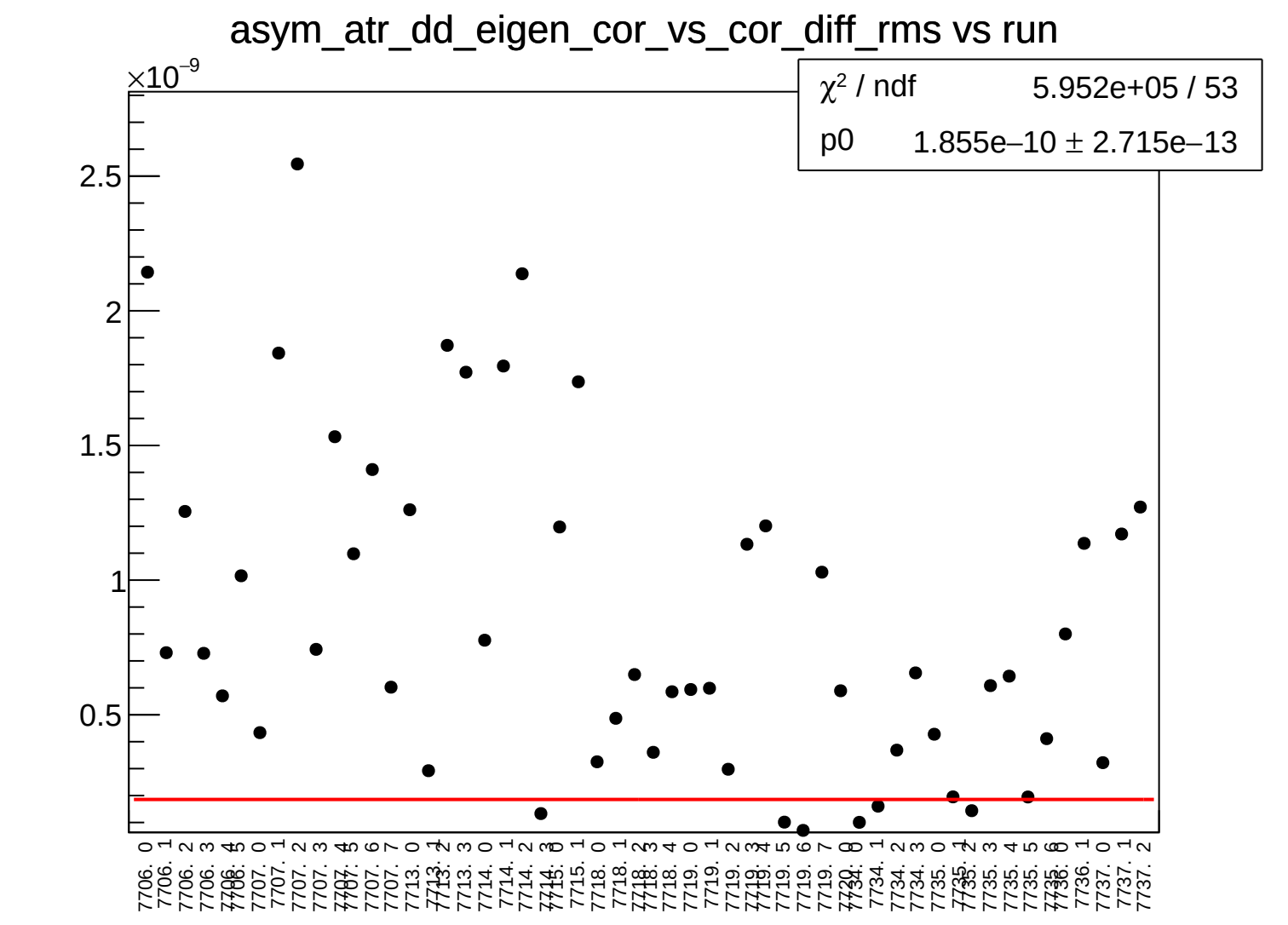

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.24 / 53
p0 0.3091 ± 0.1952
pull
Entries 54
Mean −23.05
Std Dev 0

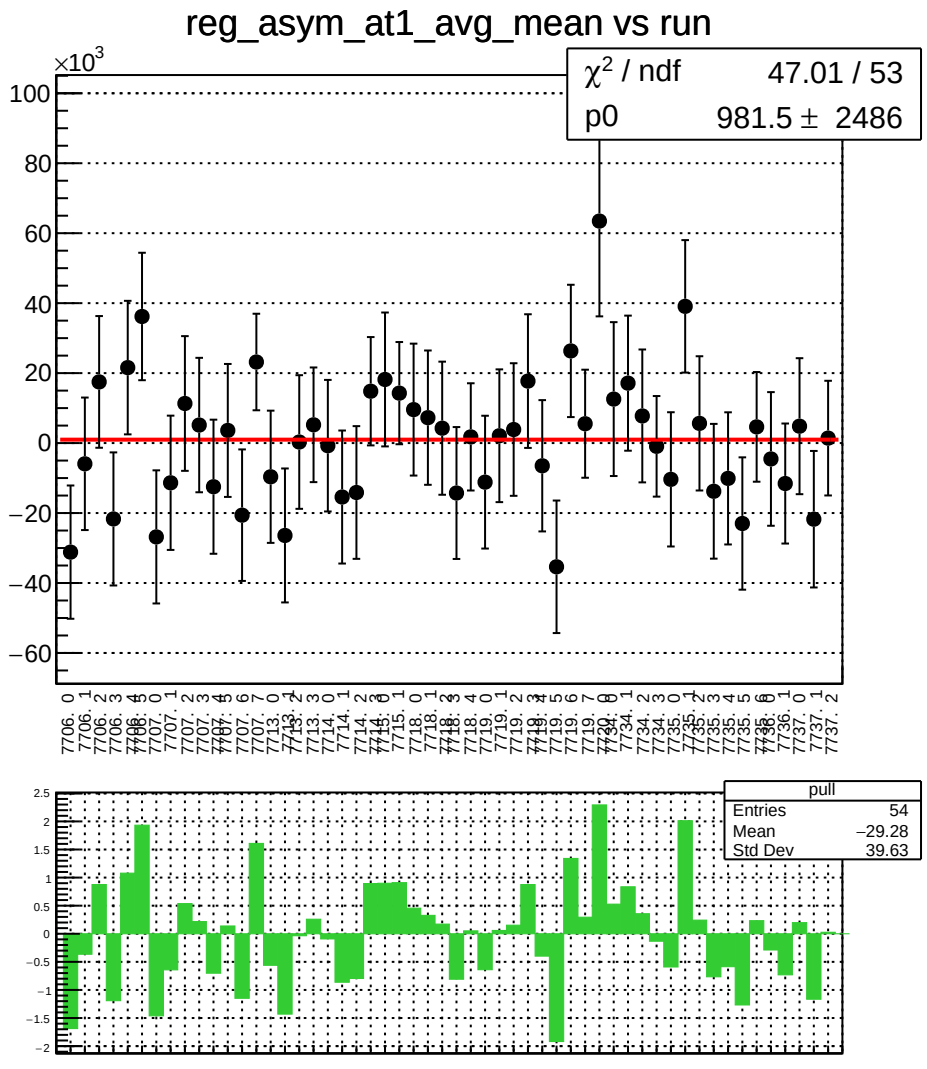

pull1D
Entries 54
Mean 0.03307
Std Dev 1.02

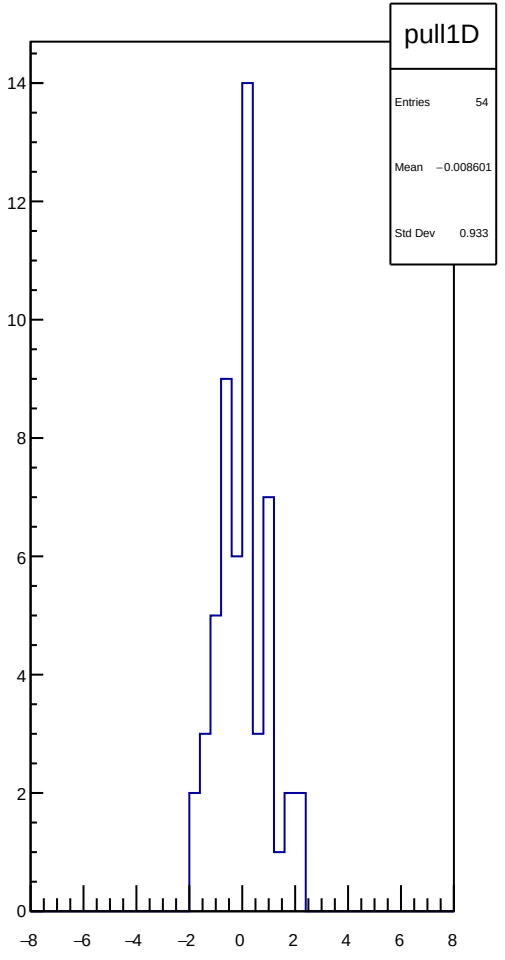

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.033e+05 / 53
p0 135.2 ± 0.138
280
260
240
220
200
180
160
140
120
100
80

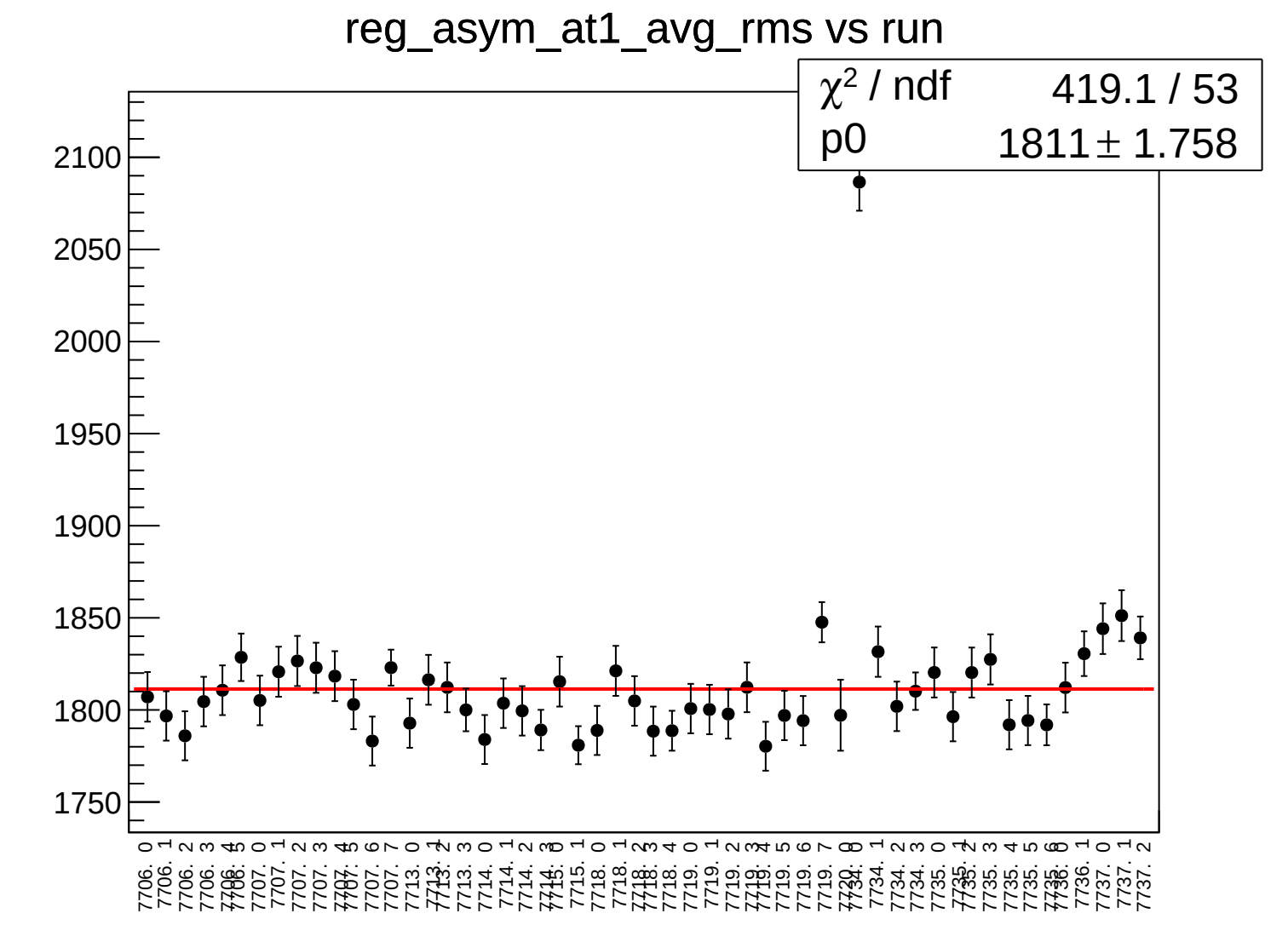

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.81 / 53
p0 4.782e−13 ± 3.84e−13
pull
Entries 54
Mean −0.7339
Std Dev 0

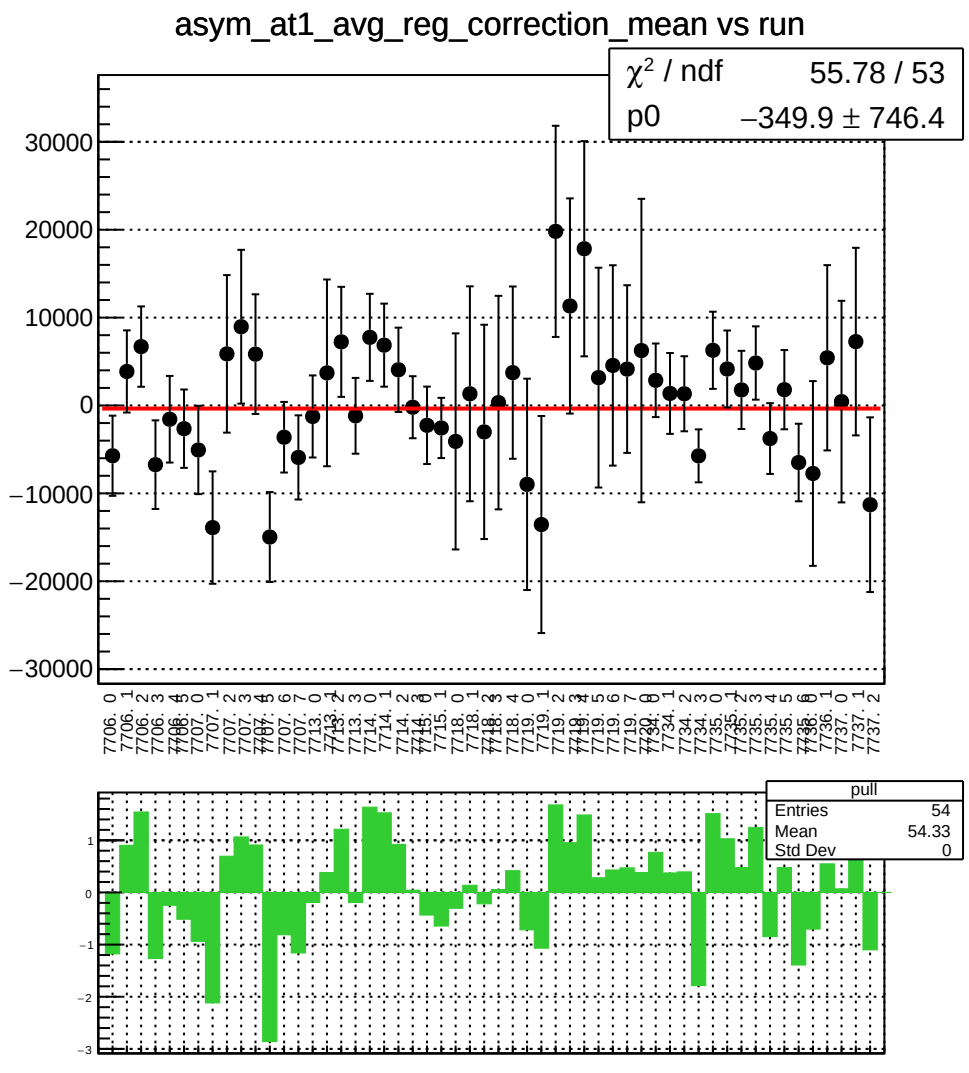

pull1D
Entries 54
Mean 0.02116
Std Dev 1.025

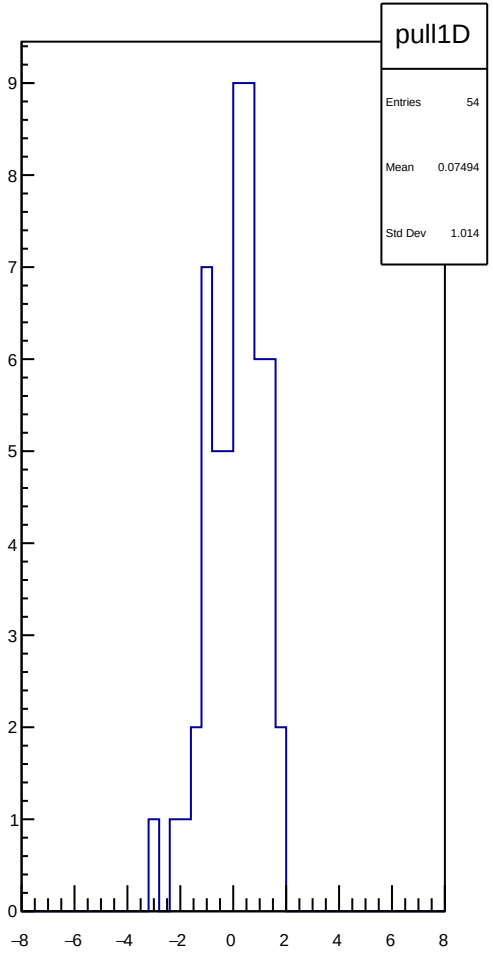

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.952e+05 / 53
p0 1.855e−10 ± 2.715e−13
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

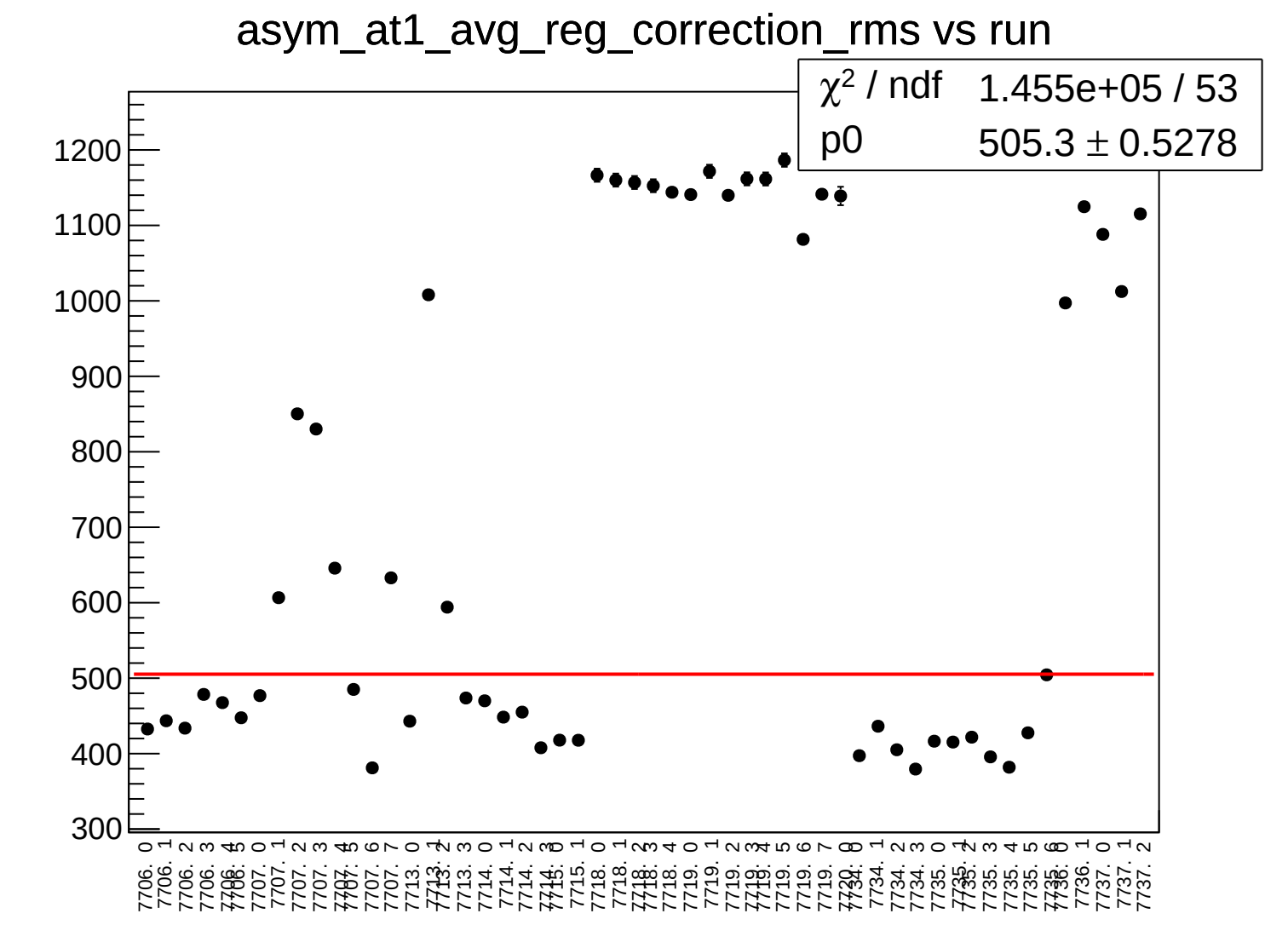

reg_asym_at1_avg_mean vs run
×10^3
χ² / ndf 47.01 / 53
p0 981.5 ± 2486
pull
Entries 54
Mean −29.28
Std Dev 39.63

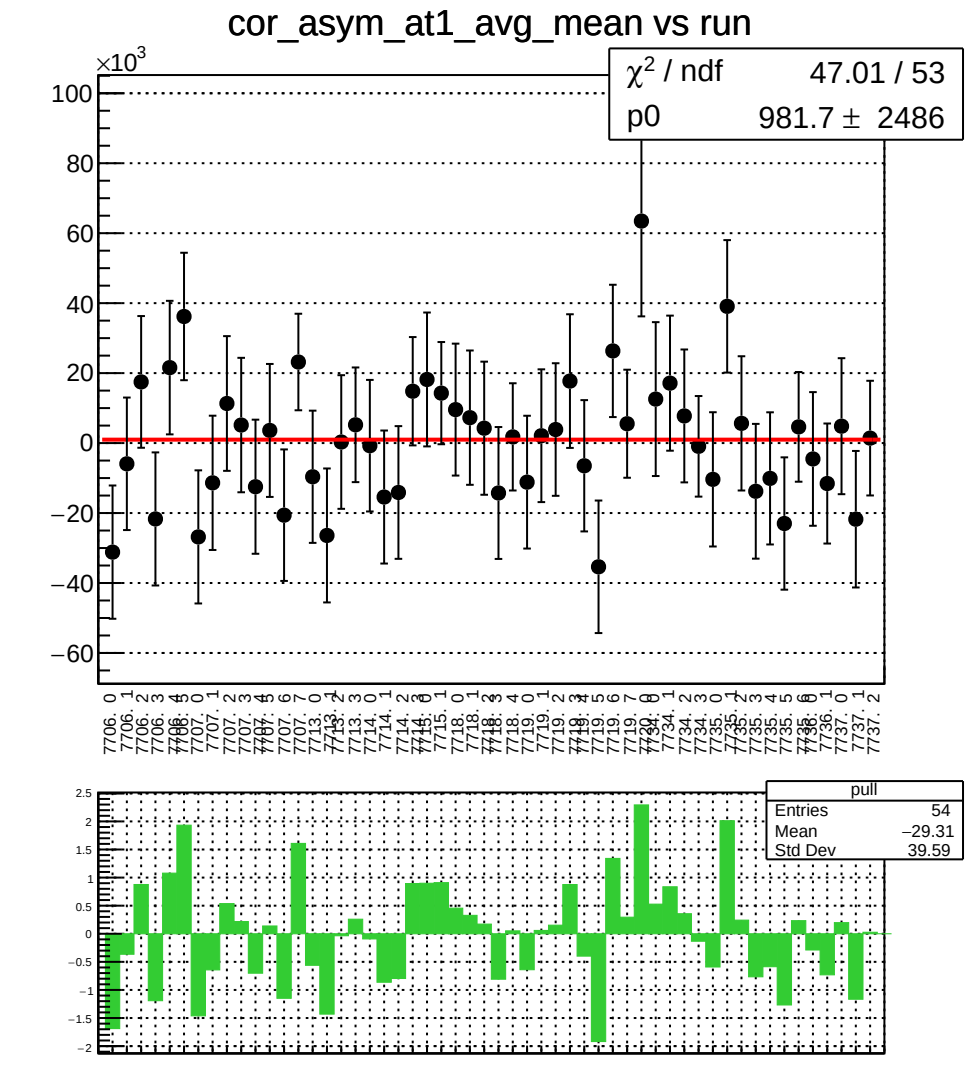

pull1D
Entries 54
Mean −0.008601
Std Dev 0.933

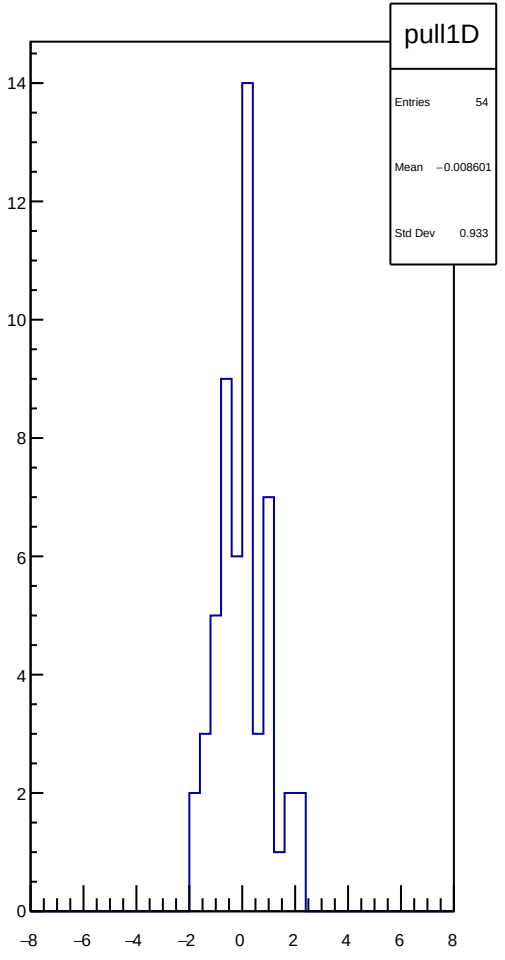

reg_asym_at1_avg_rms vs run
χ² / ndf 419.1 / 53
p0 1811 ± 1.758
2100
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

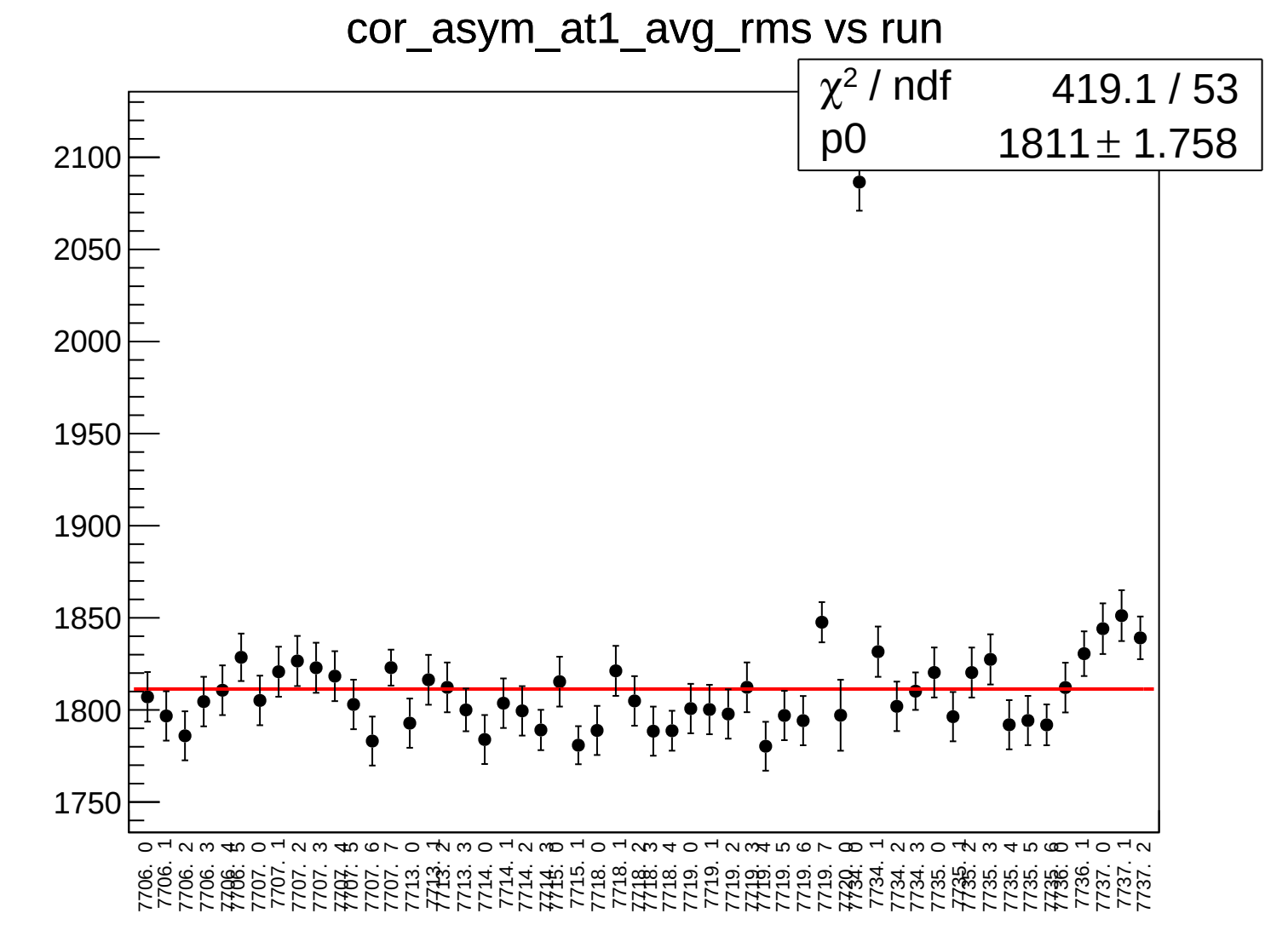

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 55.78 / 53
p0 −349.9 ± 746.4
pull
Entries 54
Mean 54.33
Std Dev 0

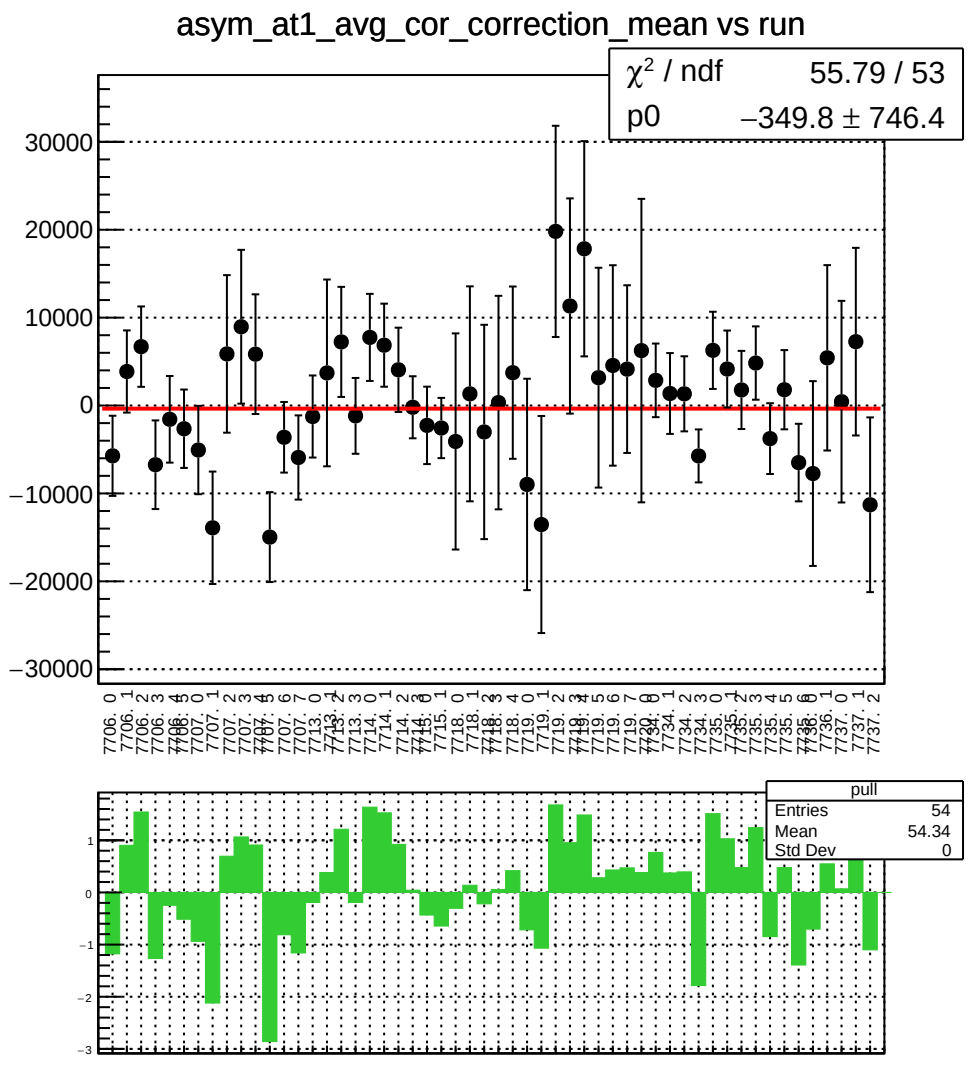

pull1D
Entries 54
Mean 0.07494
Std Dev 1.014

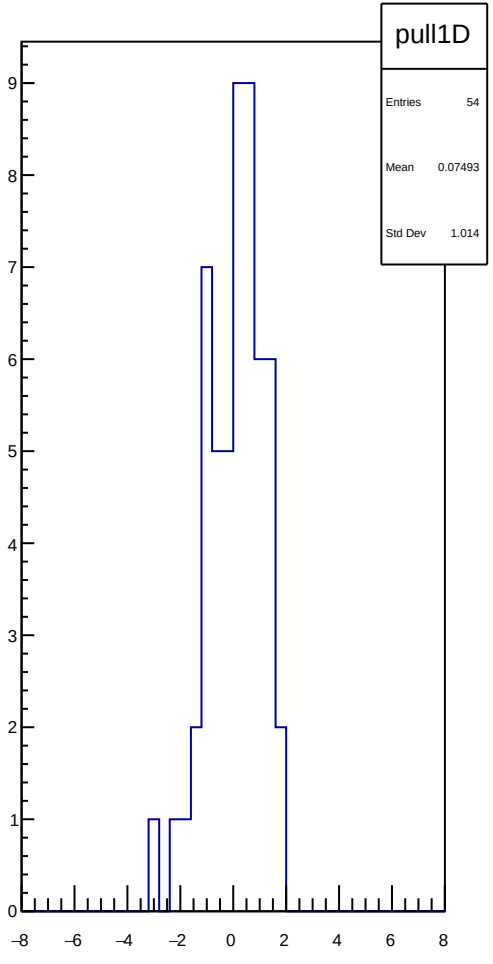

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.455e+05 / 53
p0 505.3 ± 0.5278
1200
1100
1000
900
800
700
600
500
400
300

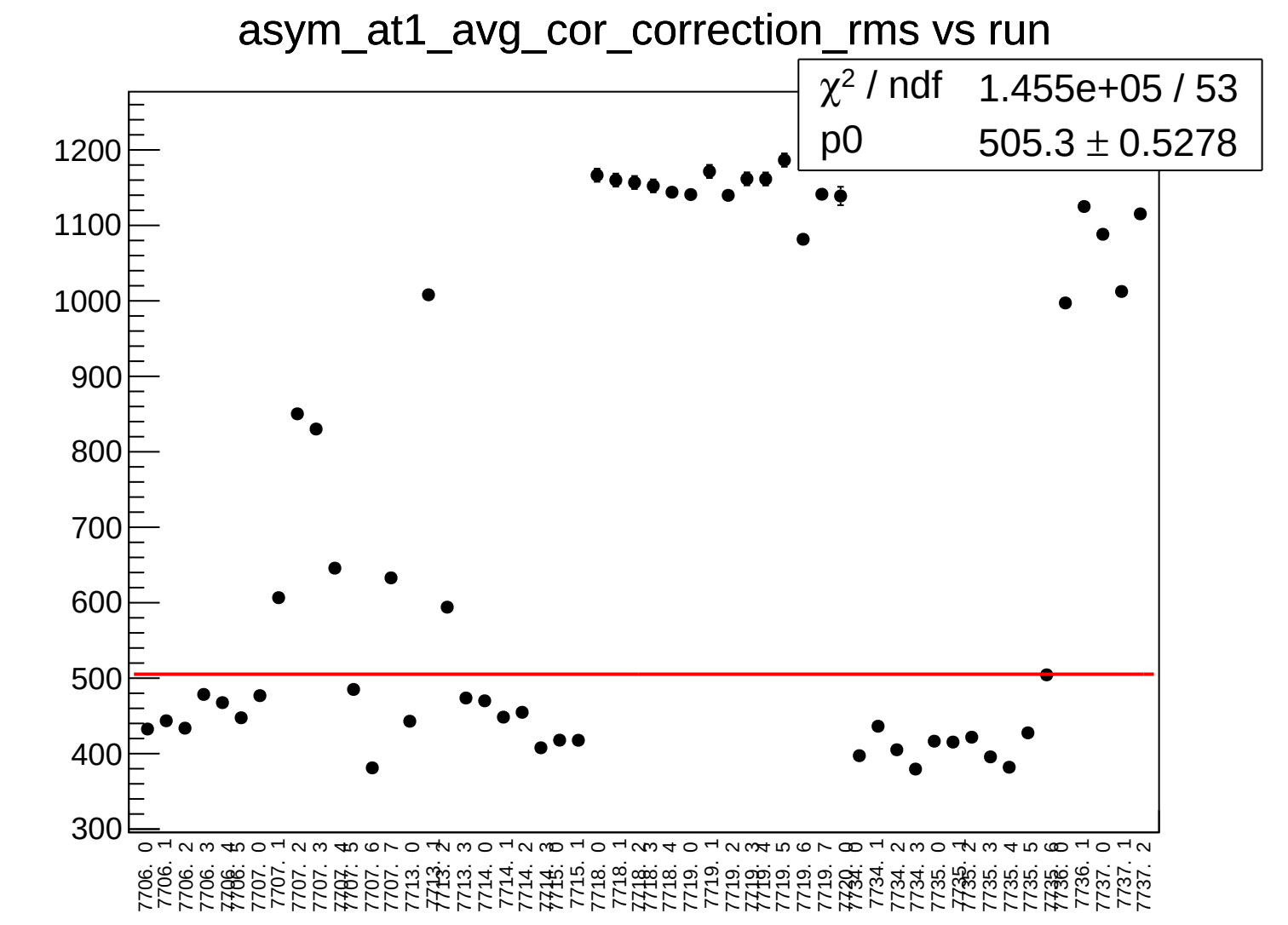

cor_asym_at1_avg_mean vs run
×10^3
χ² / ndf 47.01 / 53
p0 981.7 ± 2486
pull
Entries 54
Mean −29.31
Std Dev 39.59

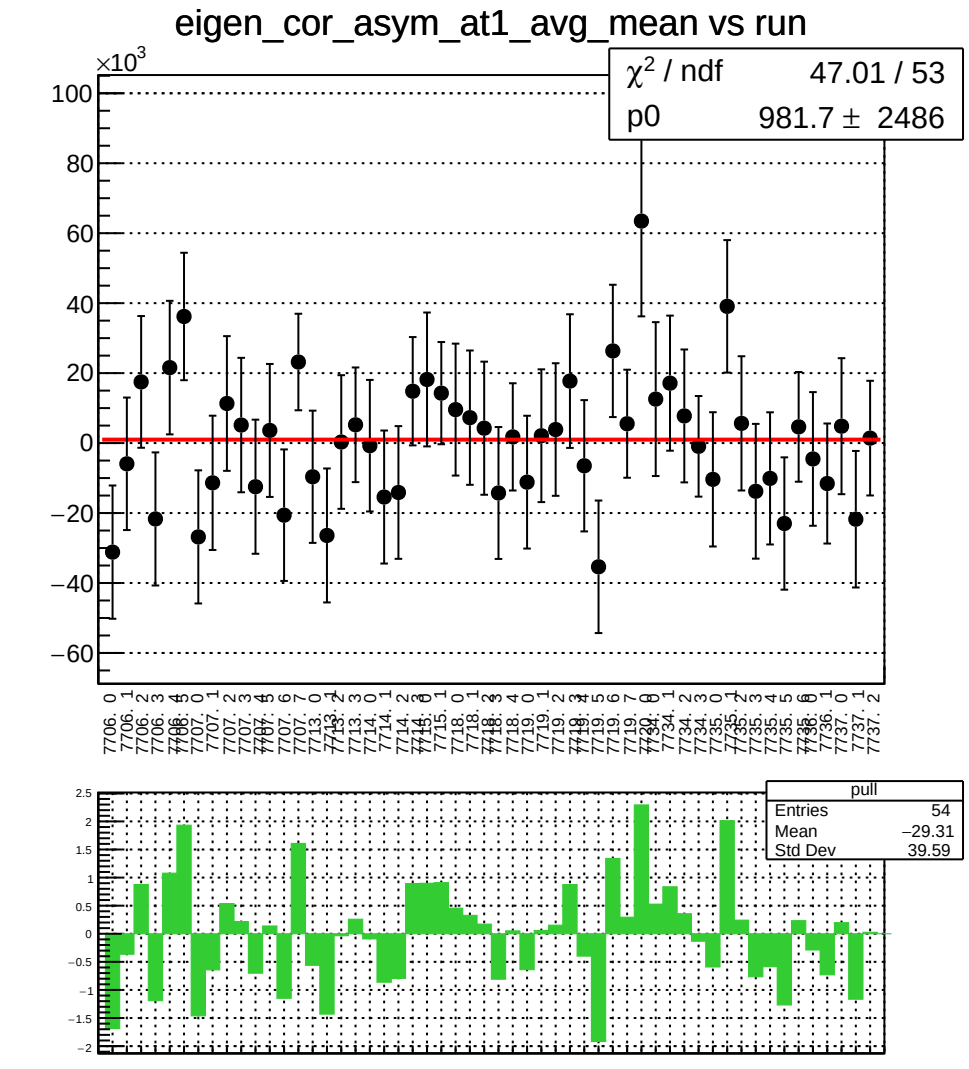

pull1D
Entries 54
Mean −0.008601
Std Dev 0.933

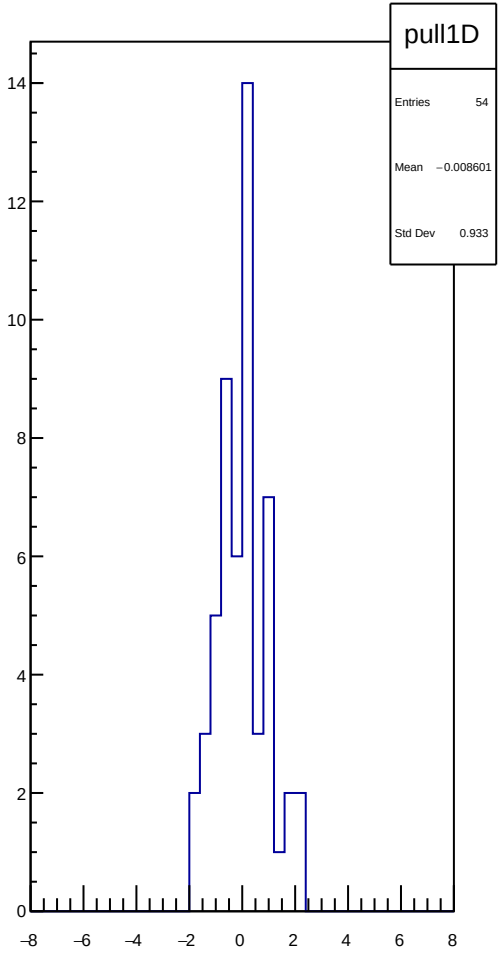

cor_asym_at1_avg_rms vs run
χ² / ndf 419.1 / 53
p0 1811 ± 1.758
2100
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

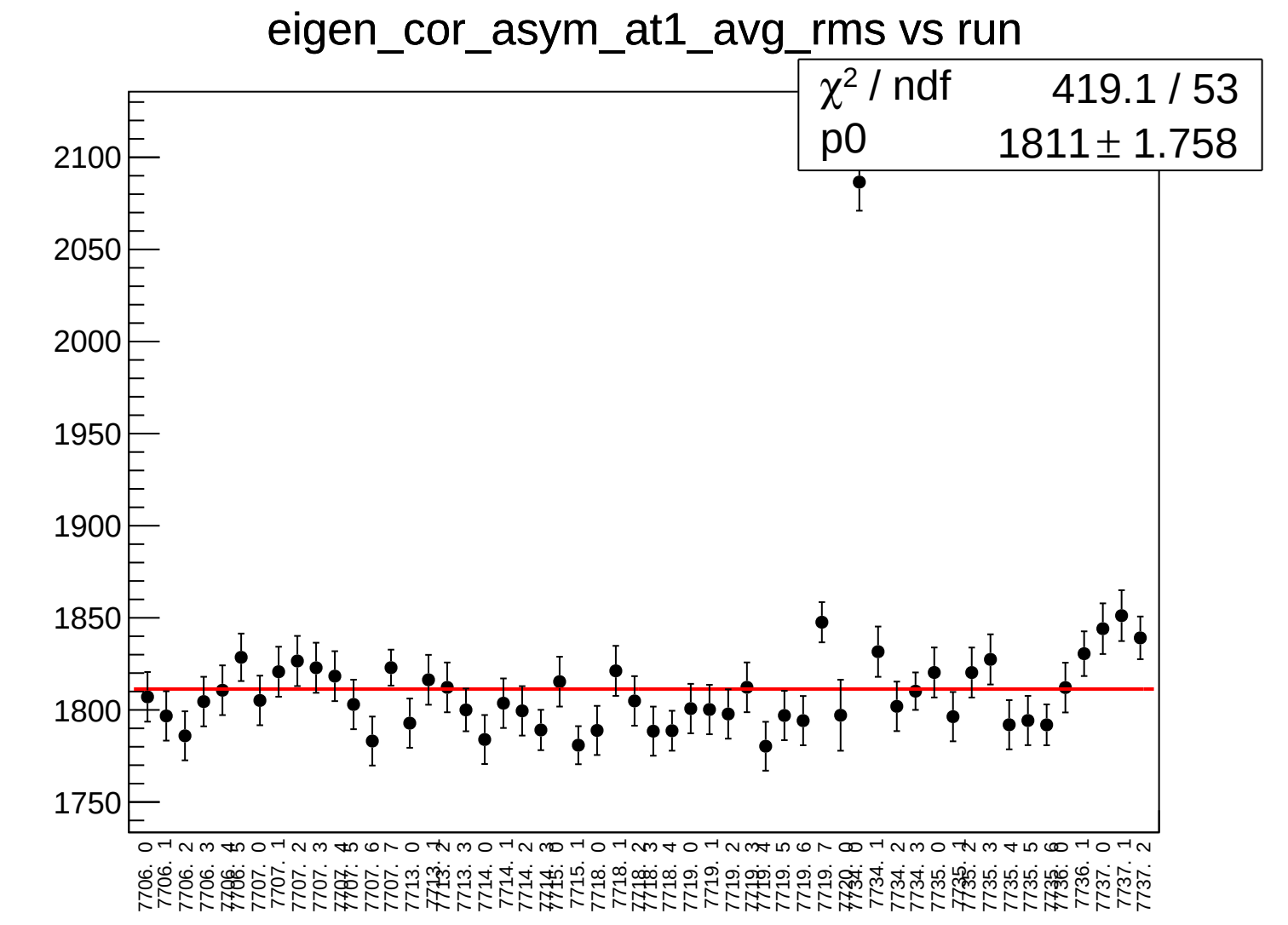

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 55.79 / 53
p0 −349.8 ± 746.4
pull
Entries 54
Mean 54.34
Std Dev 0

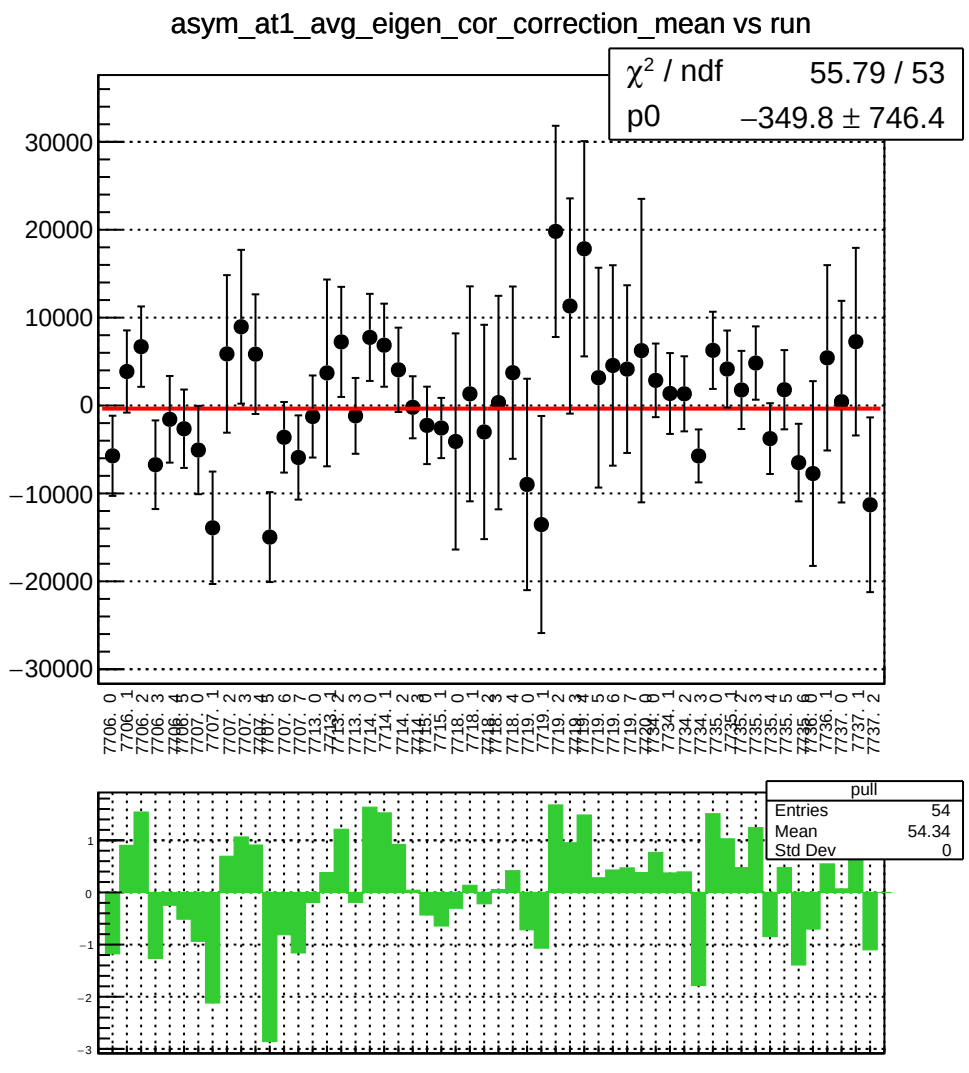

pull1D
Entries 54
Mean 0.07493
Std Dev 1.014

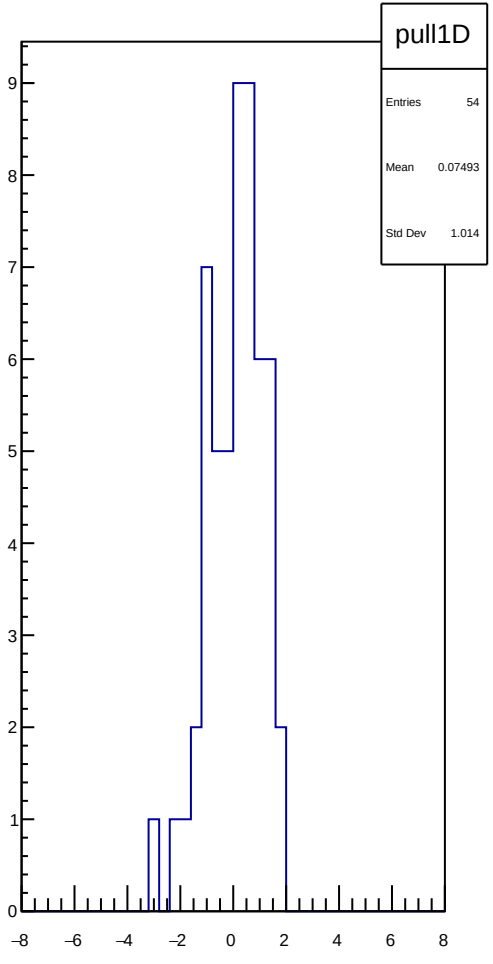

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.455e+05 / 53
p0 505.3 ± 0.5278
1200
1100
1000
900
800
700
600
500
400
300

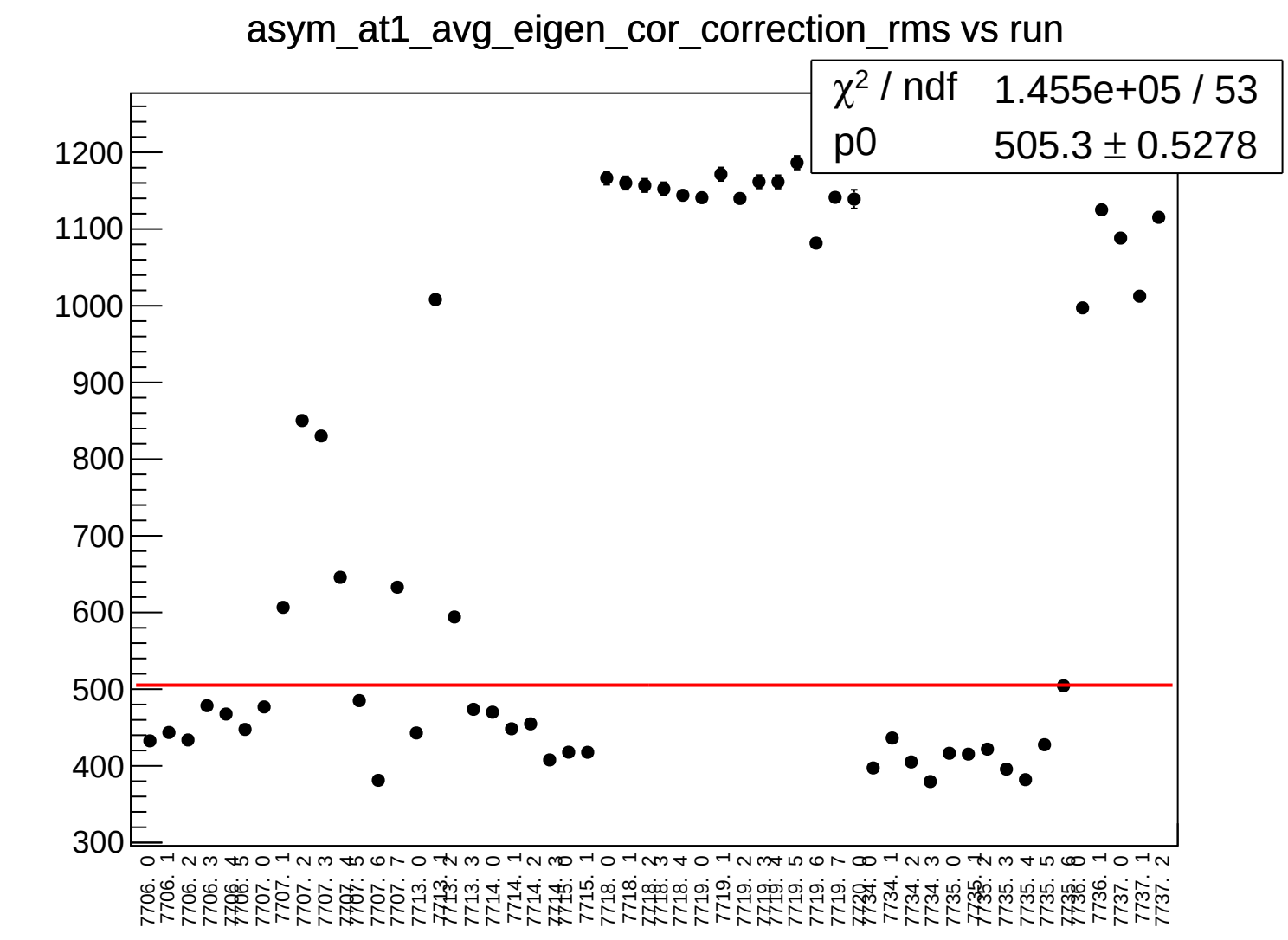

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 47.01 / 53
p0 981.7 ± 2486
×10³
pull
Entries 54
Mean −29.31
Std Dev 39.59

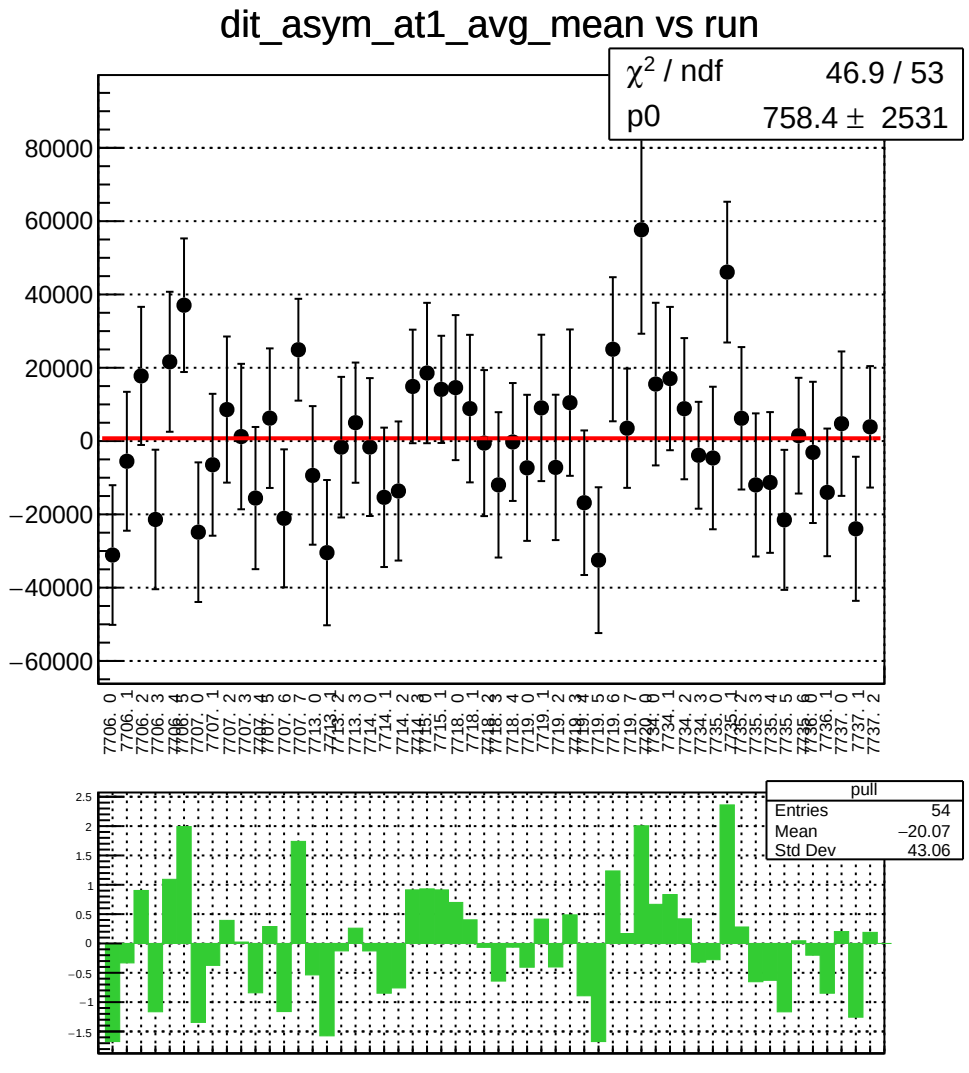

pull1D
Entries 54
Mean −0.008601
Std Dev 0.933

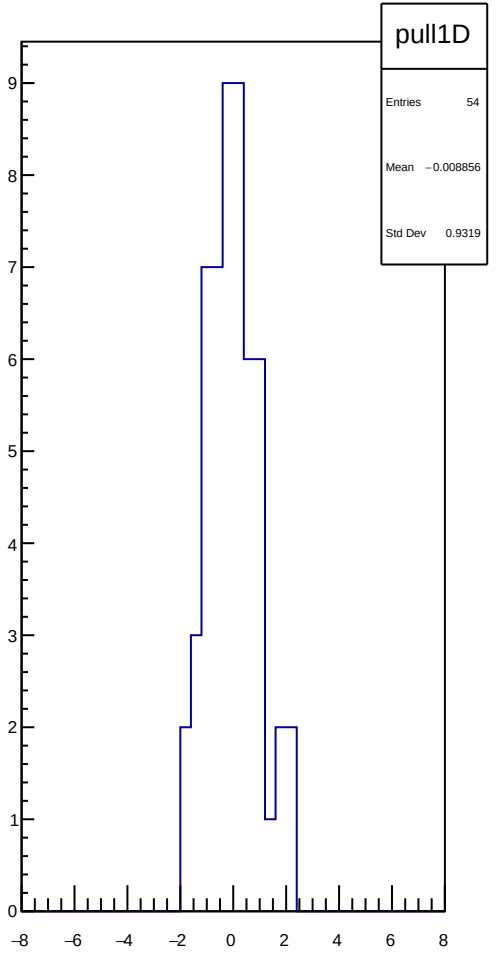

eigen_cor_asym_at1_avg_rms vs run
χ^2 / ndf 419.1 / 53
p0 1811 ± 1.758
2100
2050
2000
1950
1900
1850
1800
1750

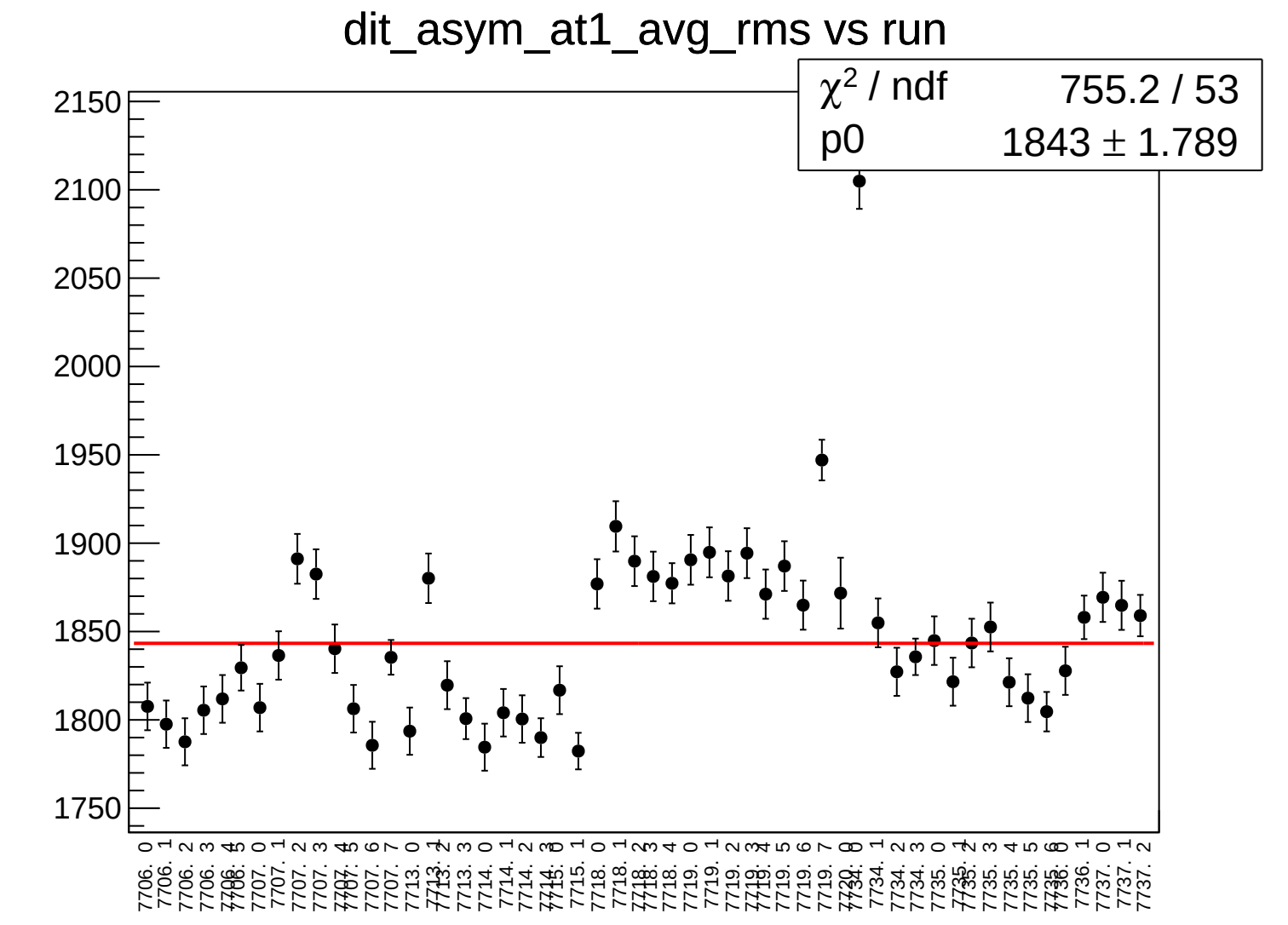

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.79 / 53
p0 −349.8 ± 746.4
pull
Entries 54
Mean 54.34
Std Dev 0

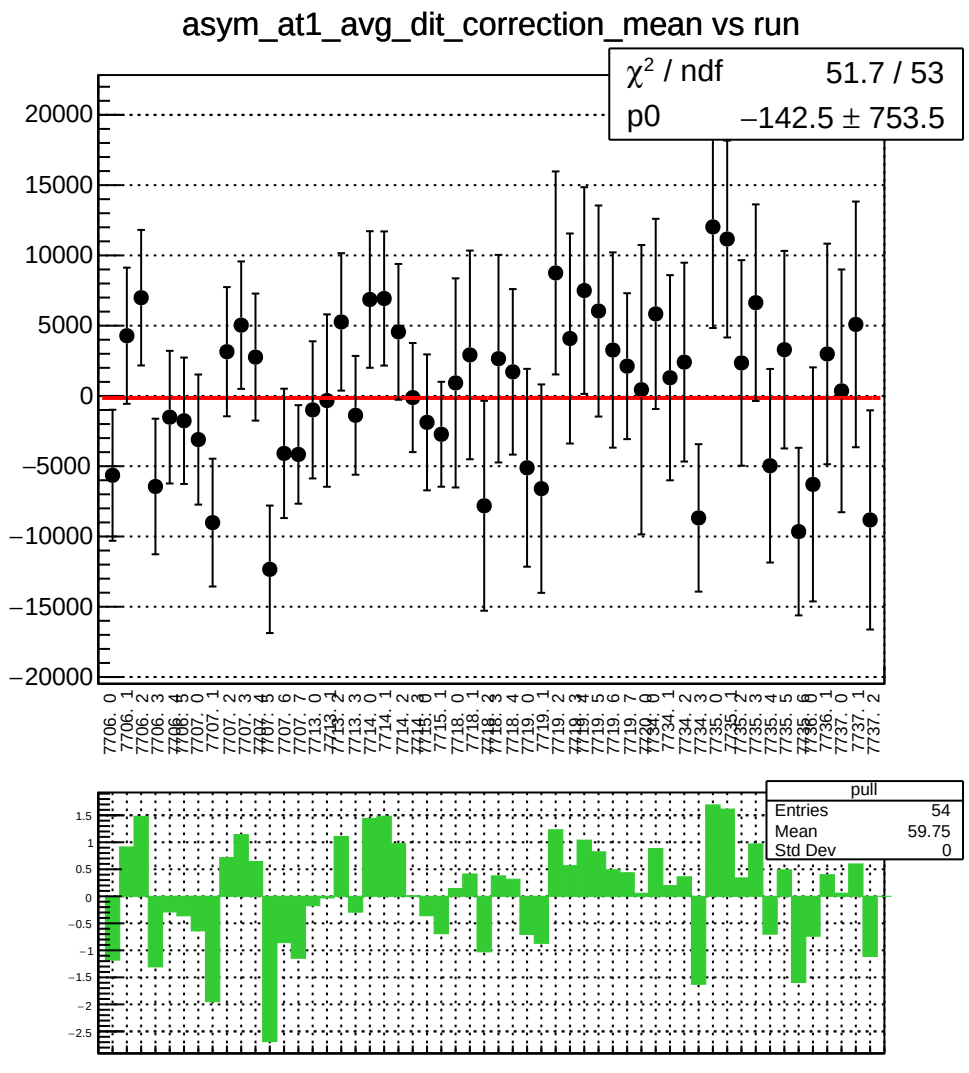

pull1D
Entries 54
Mean 0.07493
Std Dev 1.014

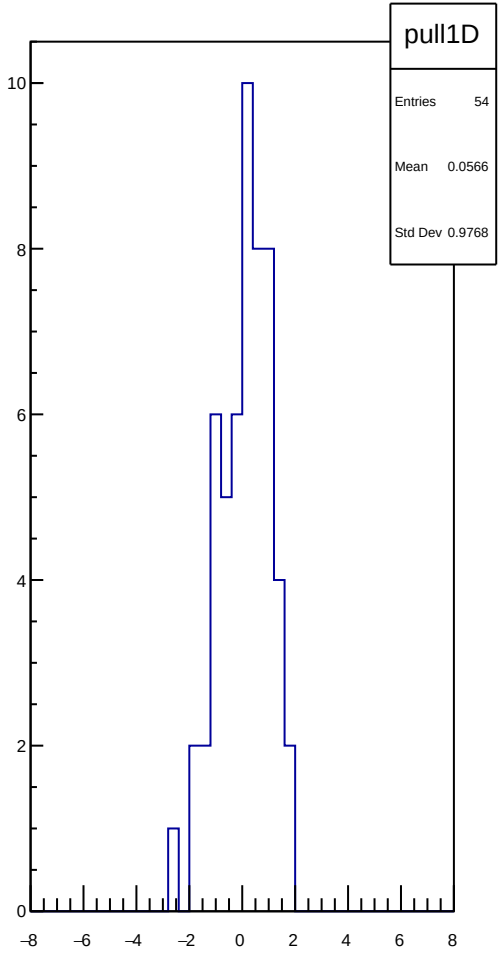

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.455e+05 / 53
p0 505.3 ± 0.5278
1200
1100
1000
900
800
700
600
500
400
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

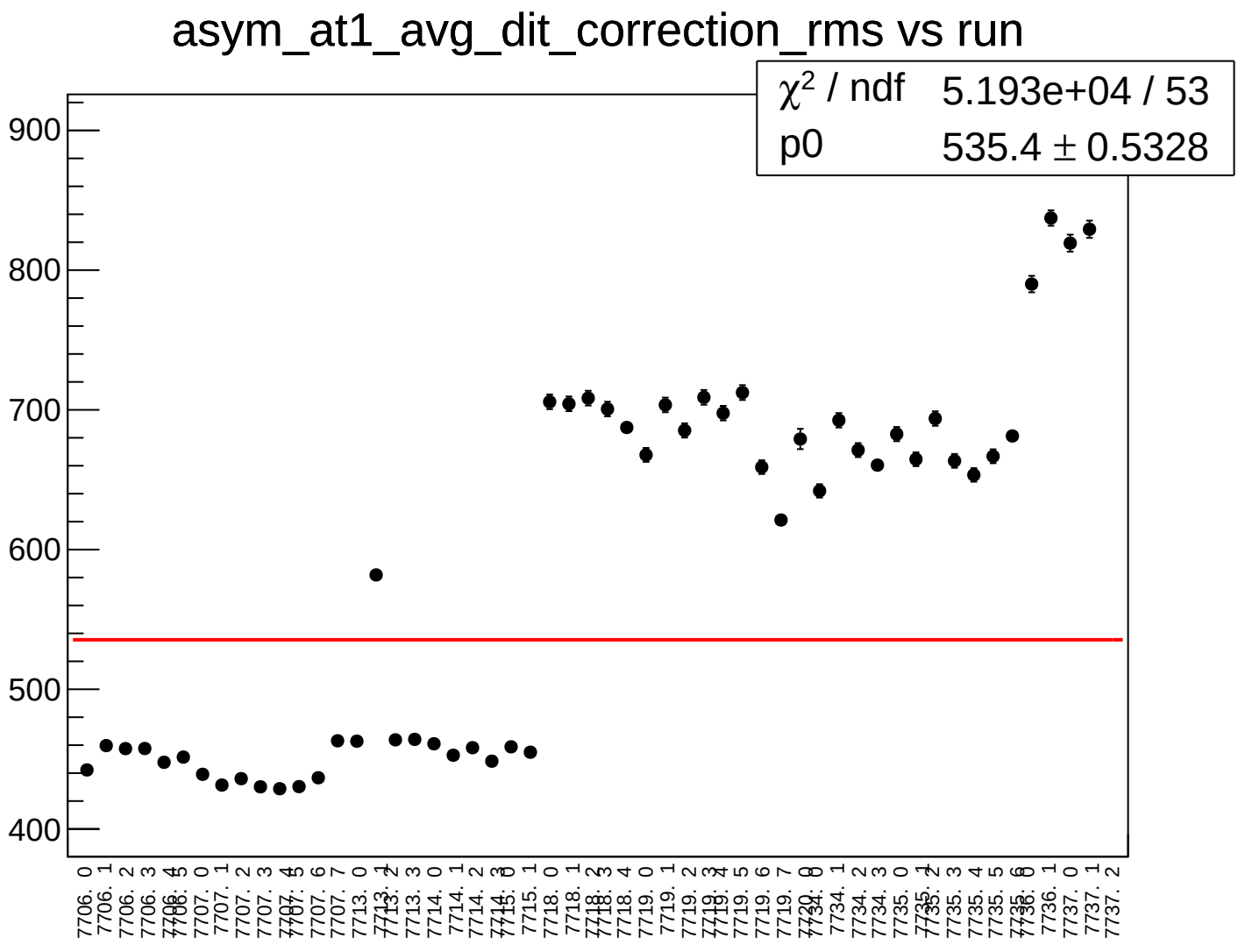

dit_asym_at1_avg_mean vs run
χ² / ndf 46.9 / 53
p0 758.4 ± 2531
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −20.07
Std Dev 43.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

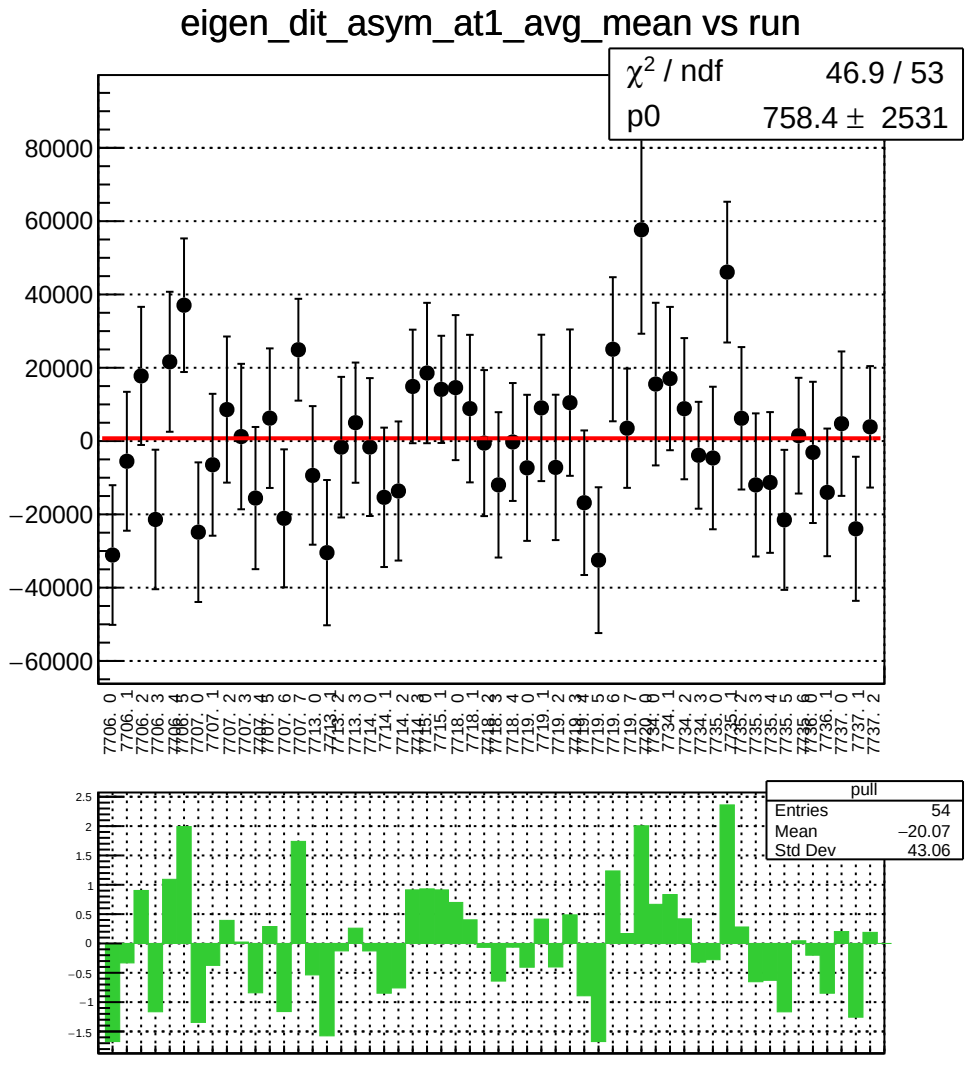

pull1D
Entries 54
Mean −0.008856
Std Dev 0.9319
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

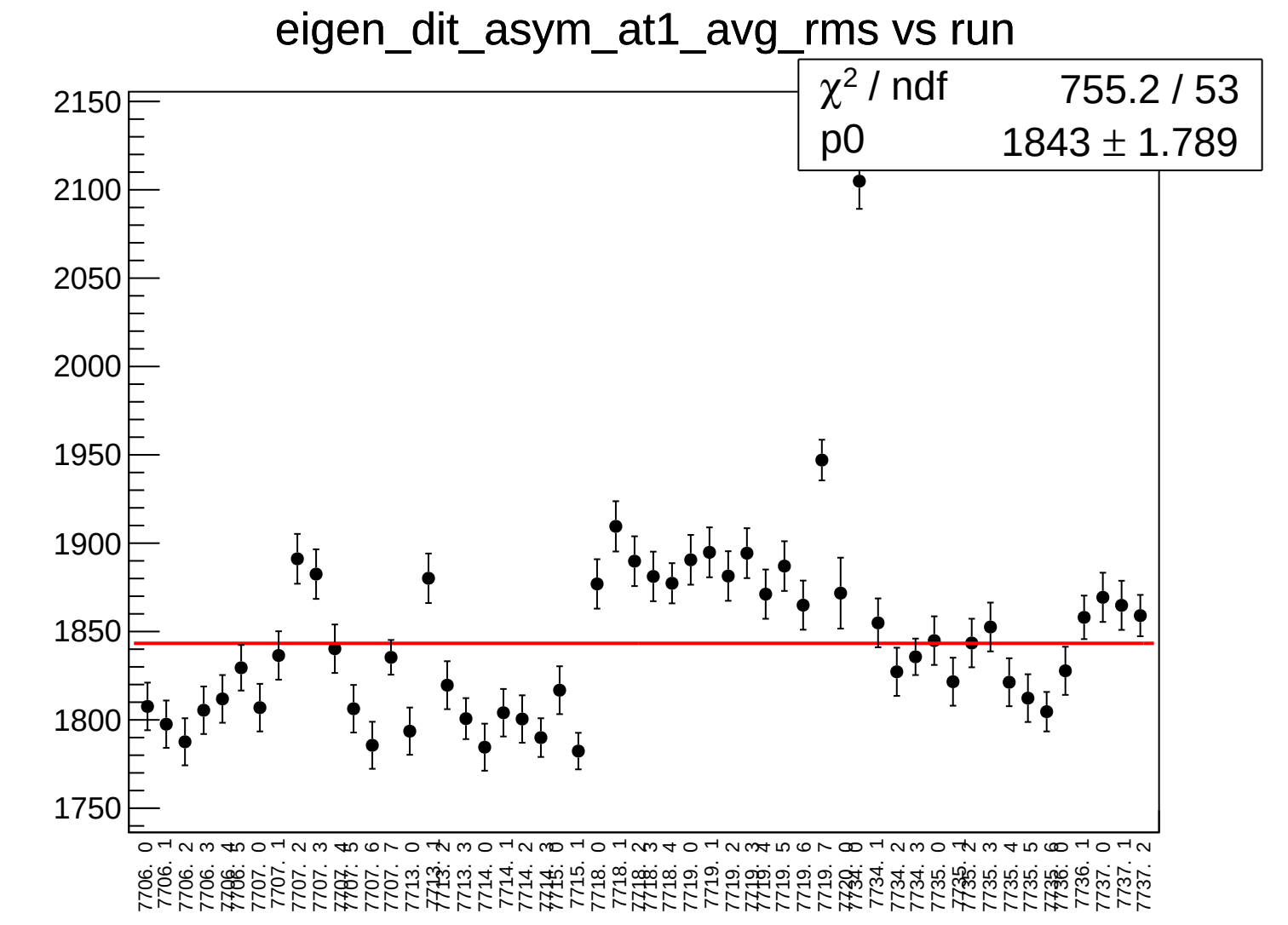

dit_asym_at1_avg_rms vs run
χ² / ndf 755.2 / 53
p0 1843 ± 1.789
2150
2100
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

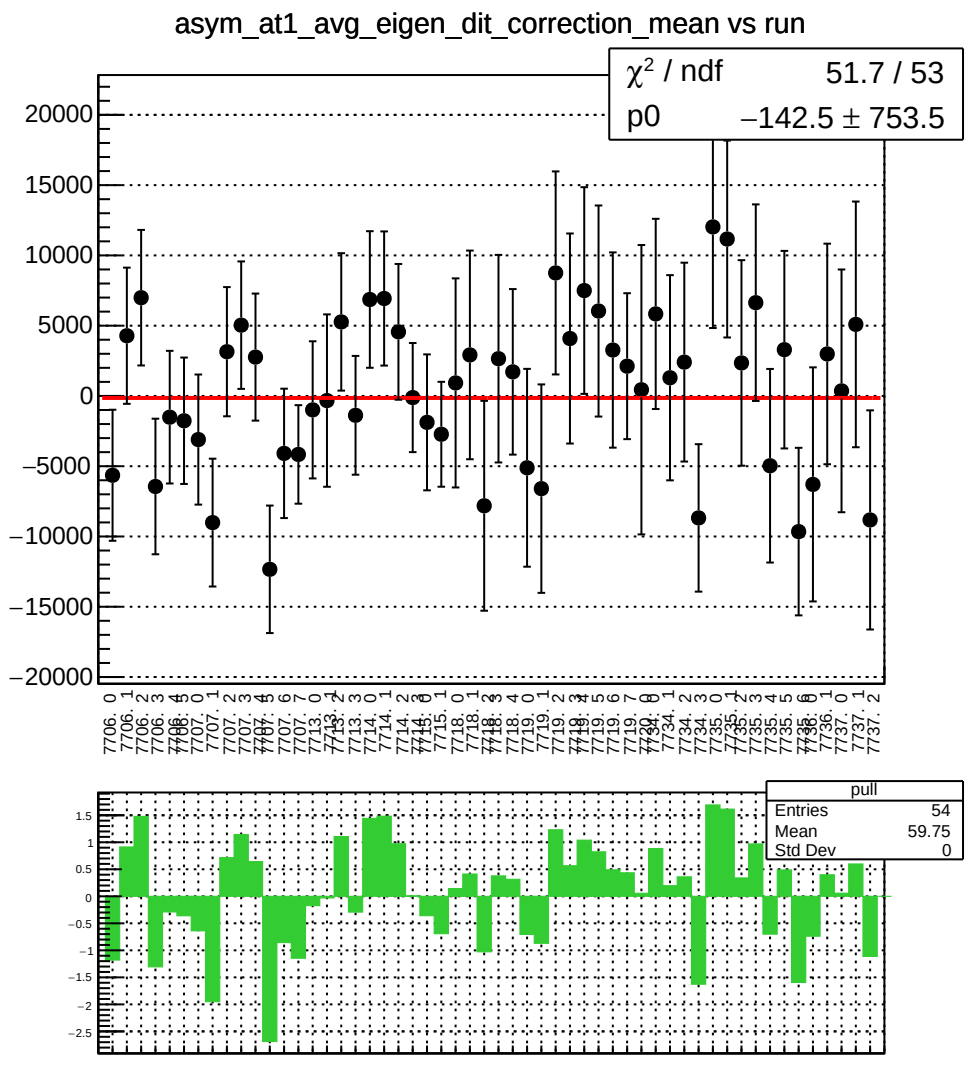

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 51.7 / 53
p0 −142.5 ± 753.5
pull
Entries 54
Mean 59.75
Std Dev 0

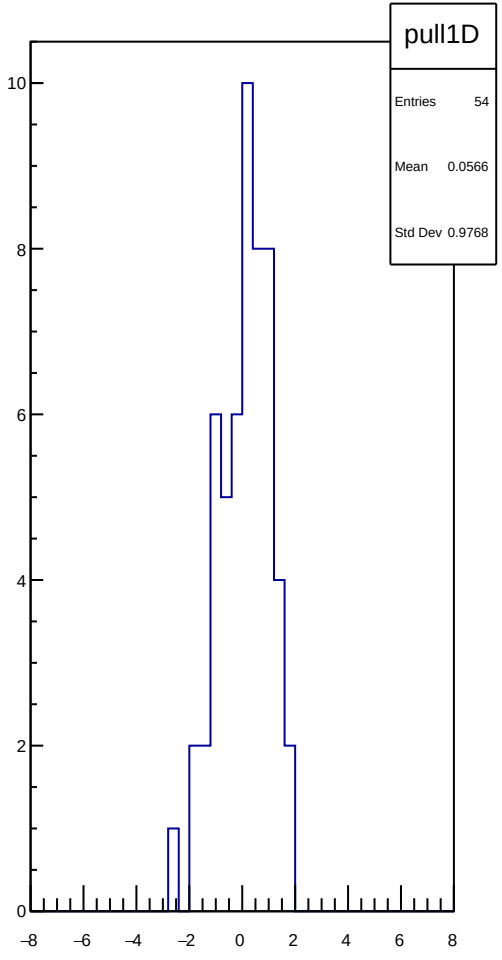

pull1D
Entries 54
Mean 0.0566
Std Dev 0.9768

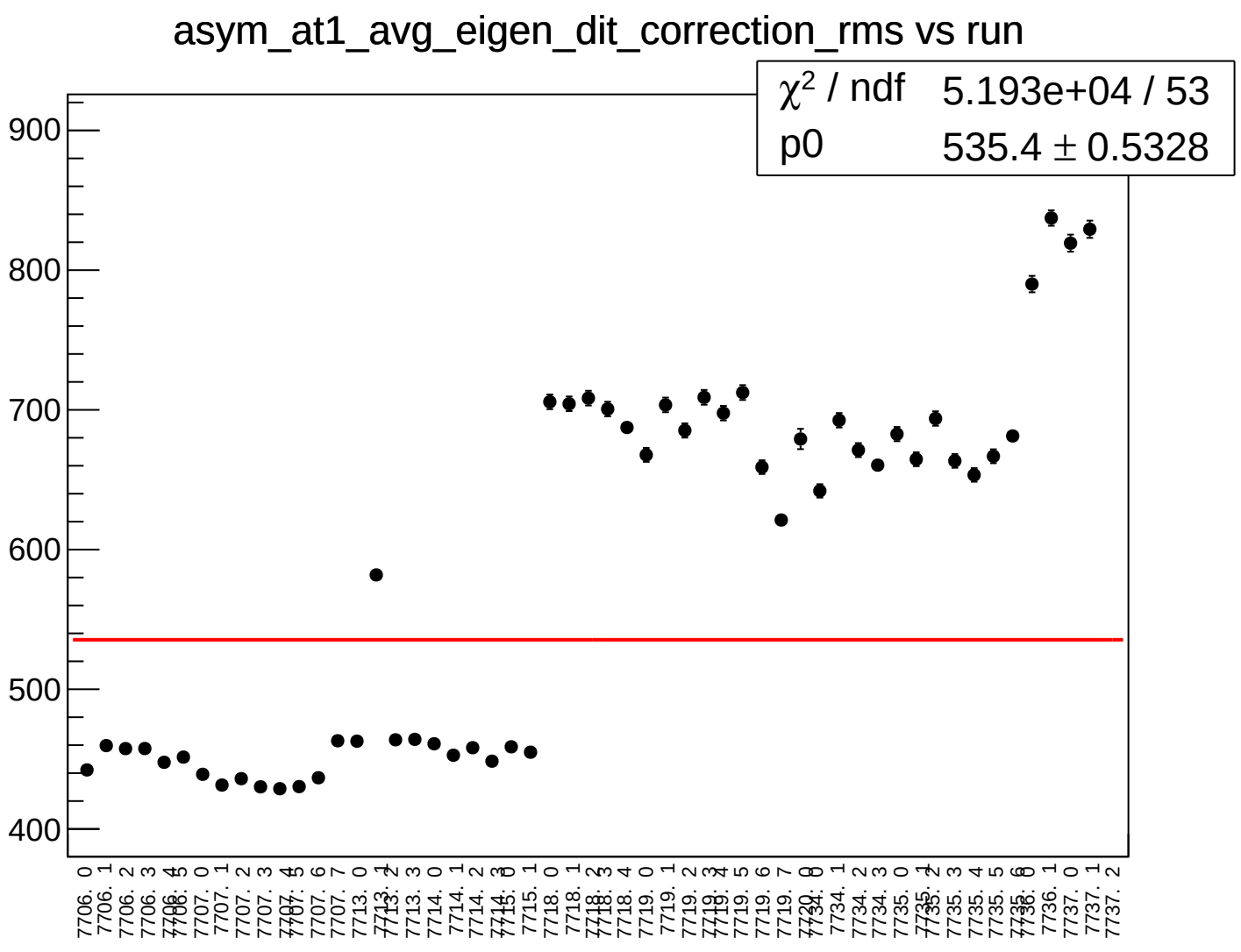

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 5.193e+04 / 53
p0 535.4 ± 0.5328
900
800
700
600
500
400

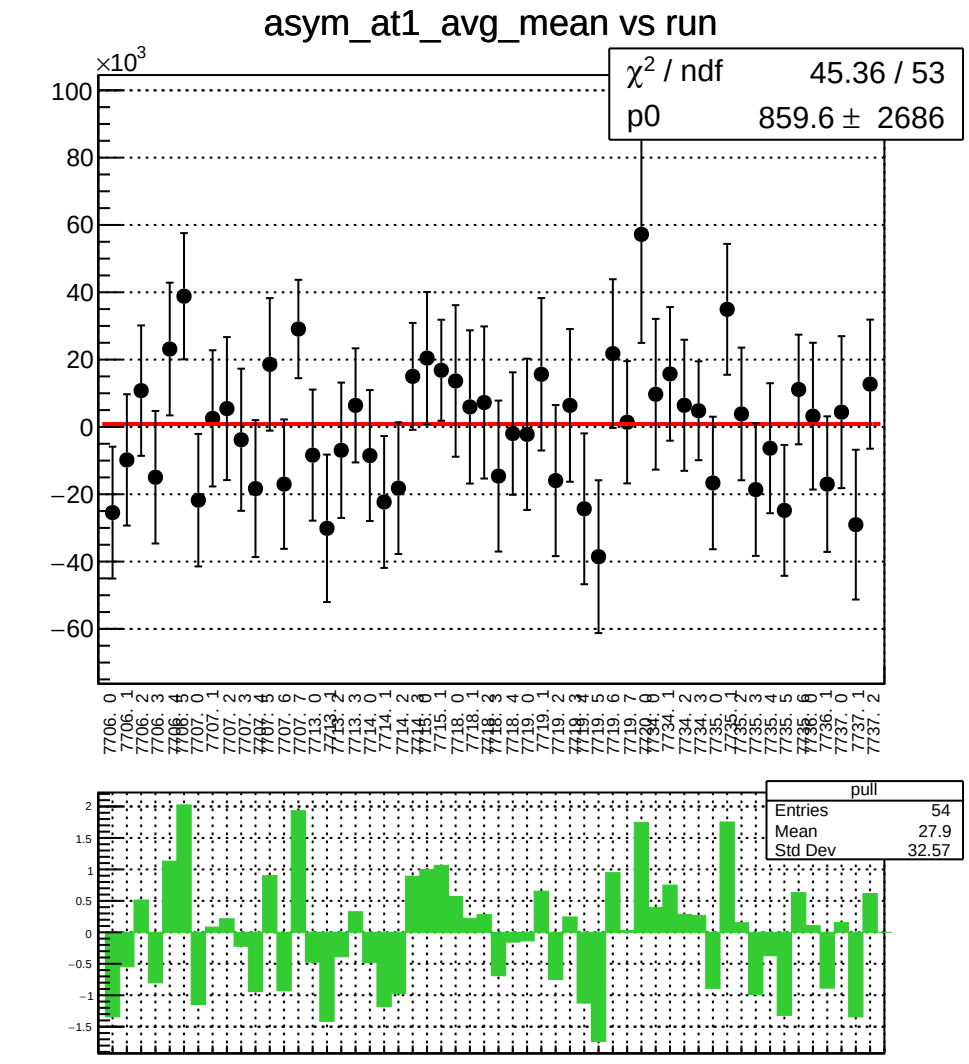

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 46.9 / 53
p0 758.4 ± 2531
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −20.07
Std Dev 43.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.008856
Std Dev 0.9319
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

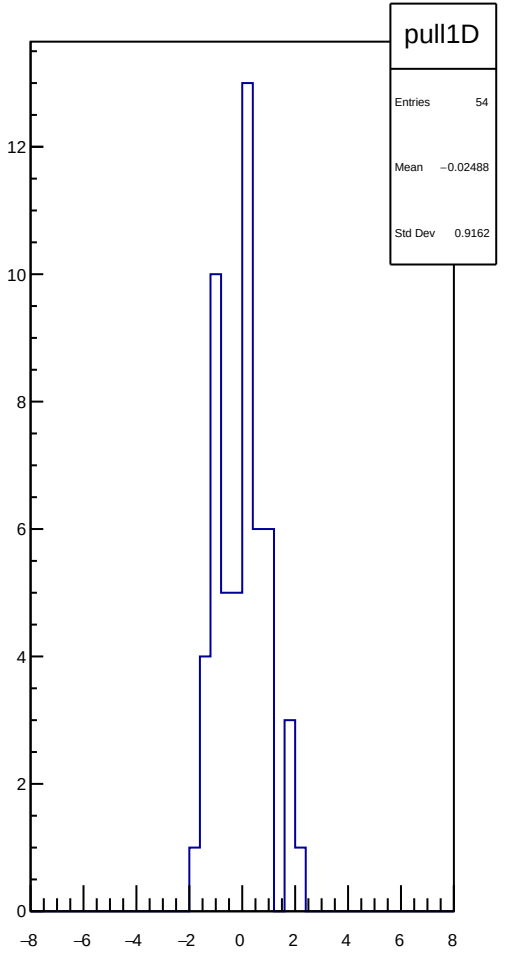

eigen_dit_asym_at1_avg_rms vs run
χ^2 / ndf 755.2 / 53
p0 1843 ± 1.789
2150
2100
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

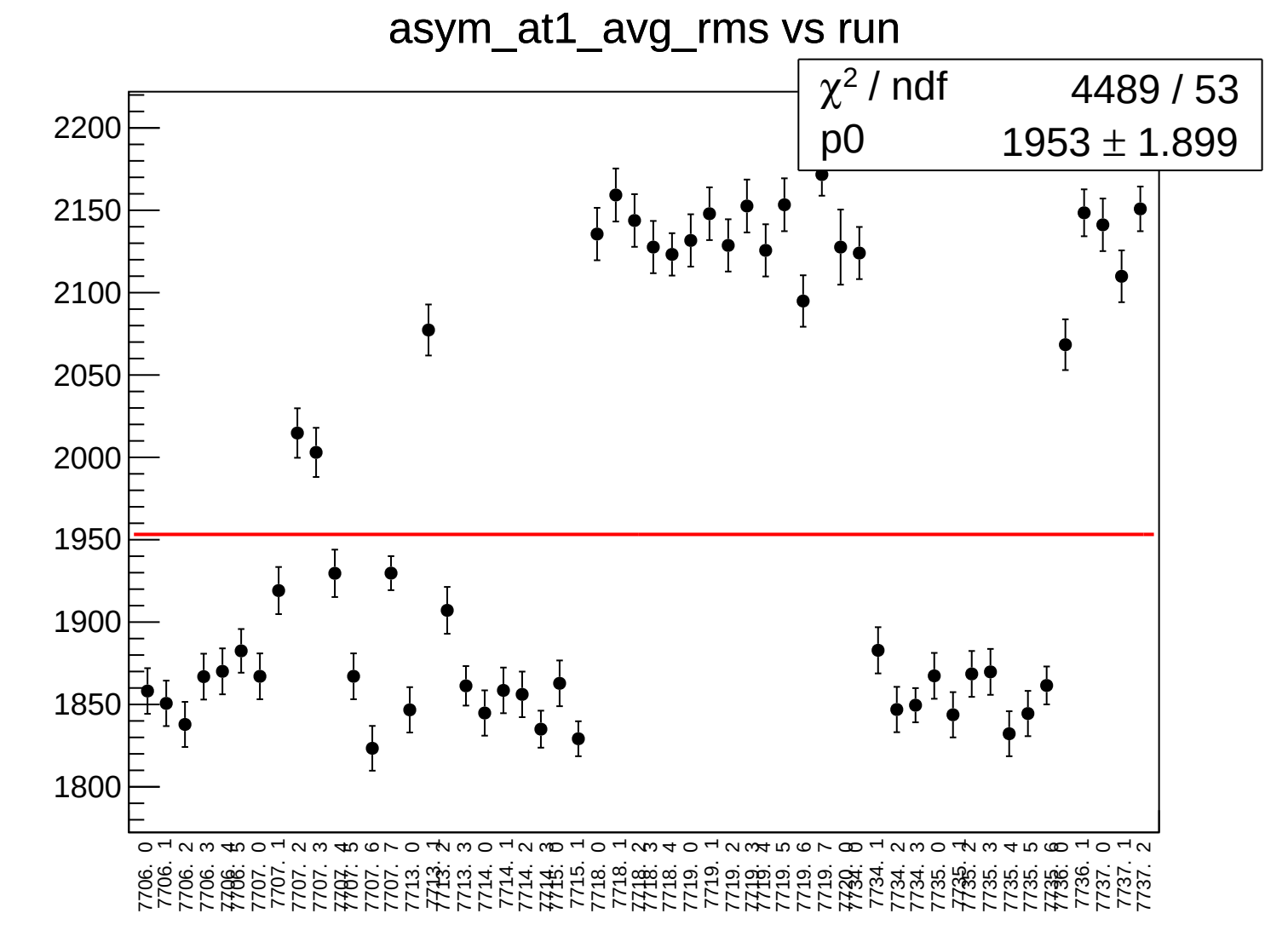

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.7 / 53
p0 −142.5 ± 753.5
pull
Entries 54
Mean 59.75
Std Dev 0

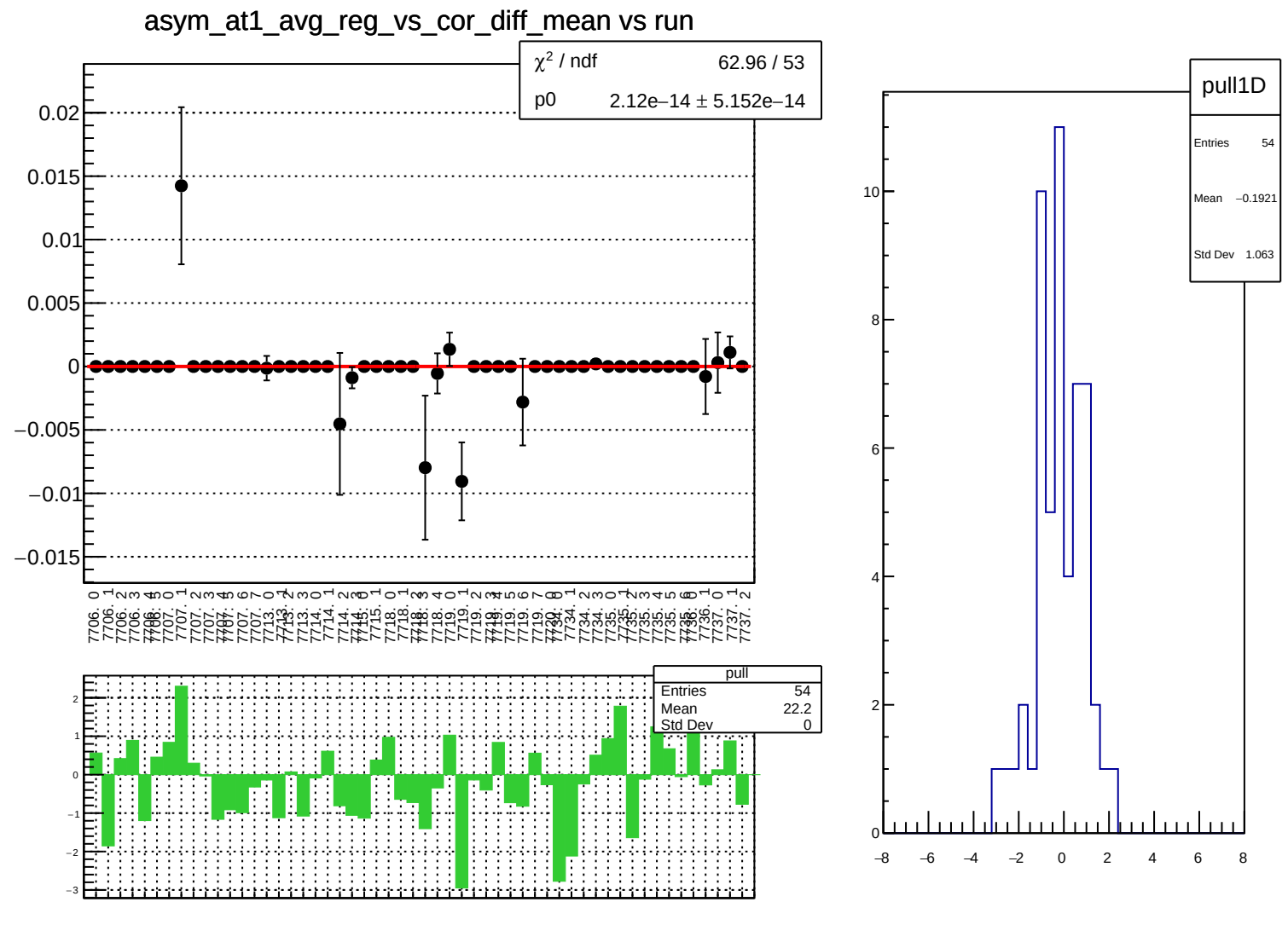

pull1D
Entries 54
Mean 0.0566
Std Dev 0.9768

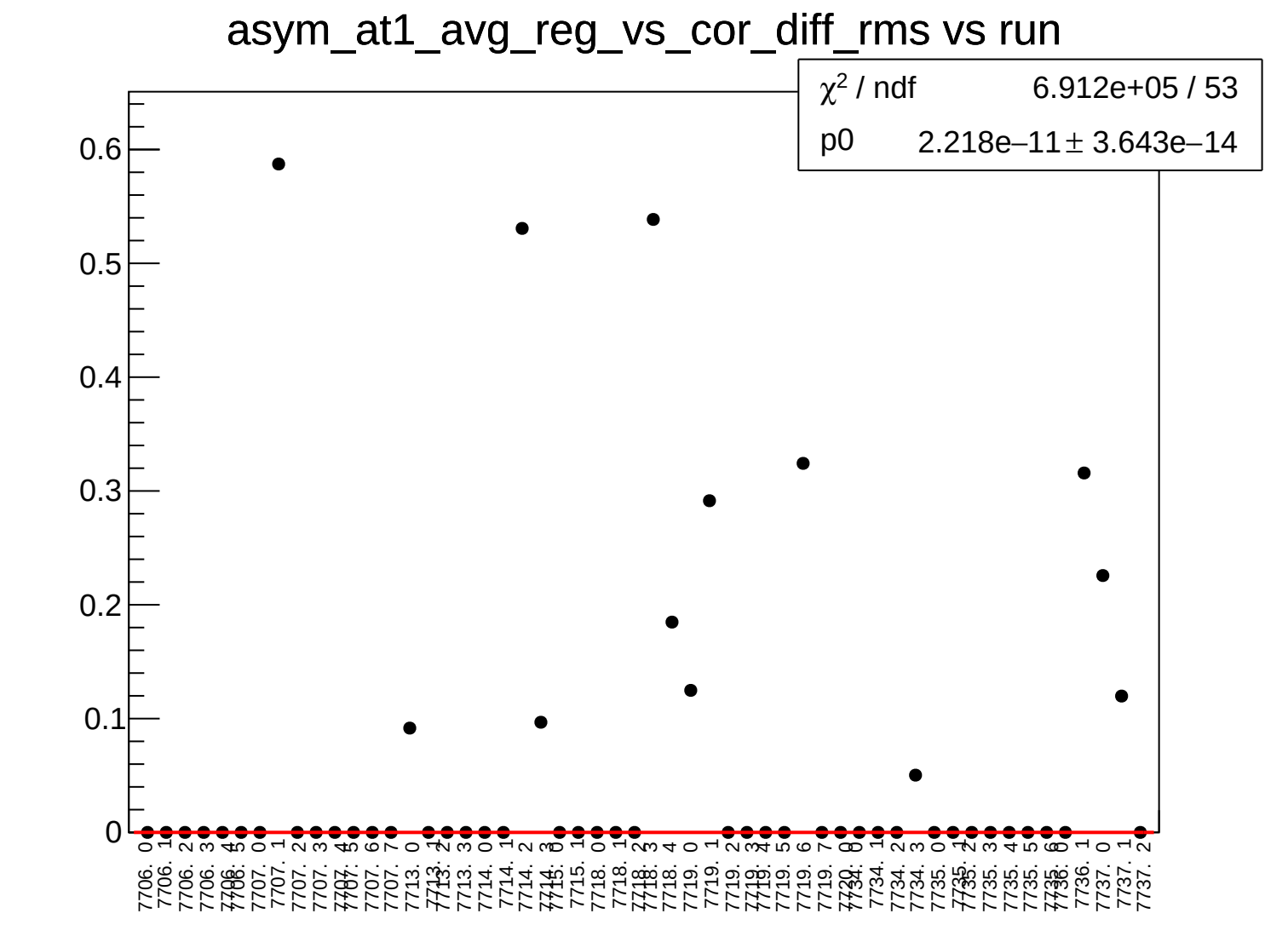

asym_at1_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 5.193e+04 / 53
p0 535.4 ± 0.5328
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

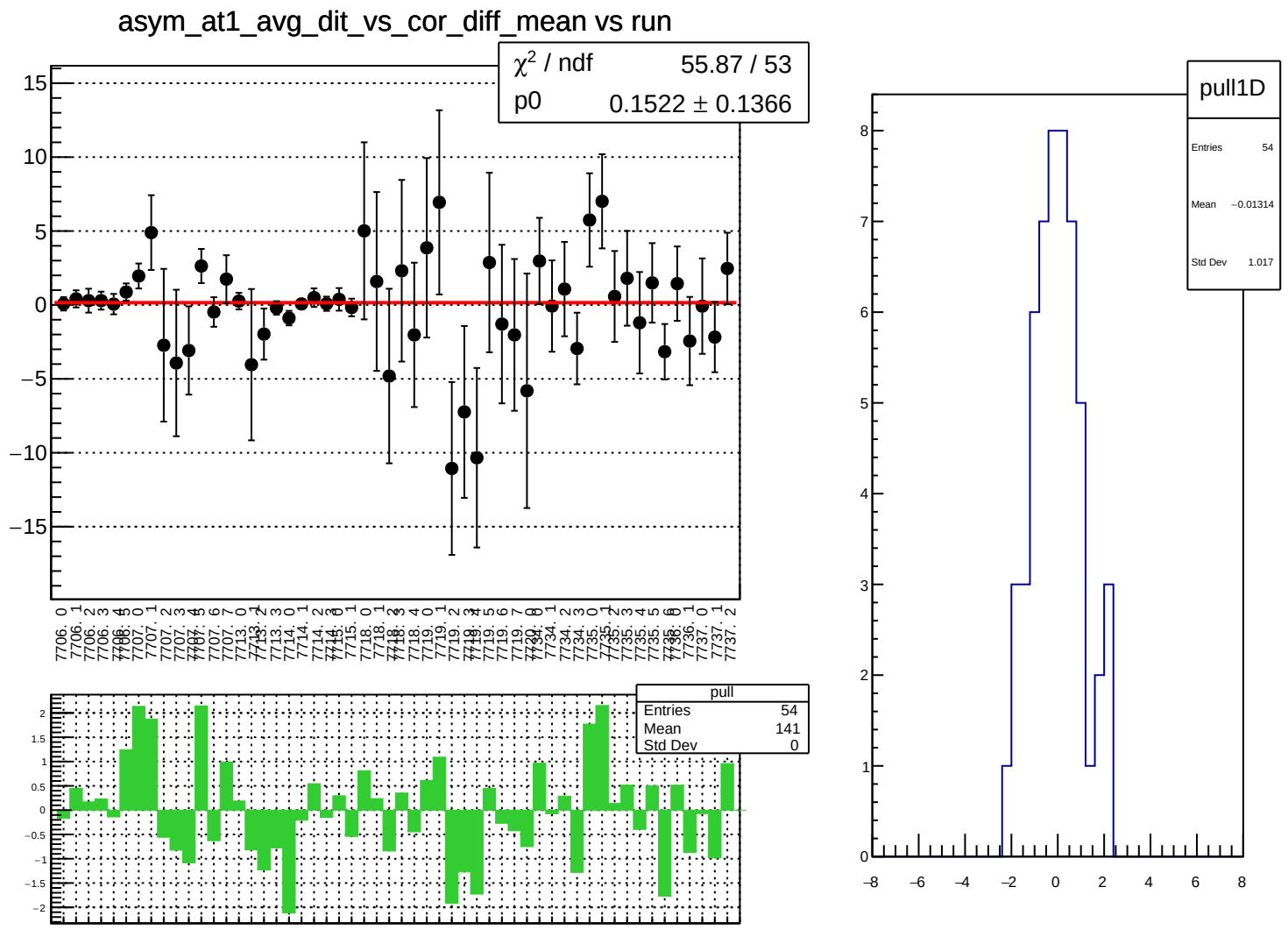

asym_at1_avg_mean vs run
×10^3
χ² / ndf 45.36 / 53
p0 859.6 ± 2686
pull
Entries 54
Mean 27.9
Std Dev 32.57

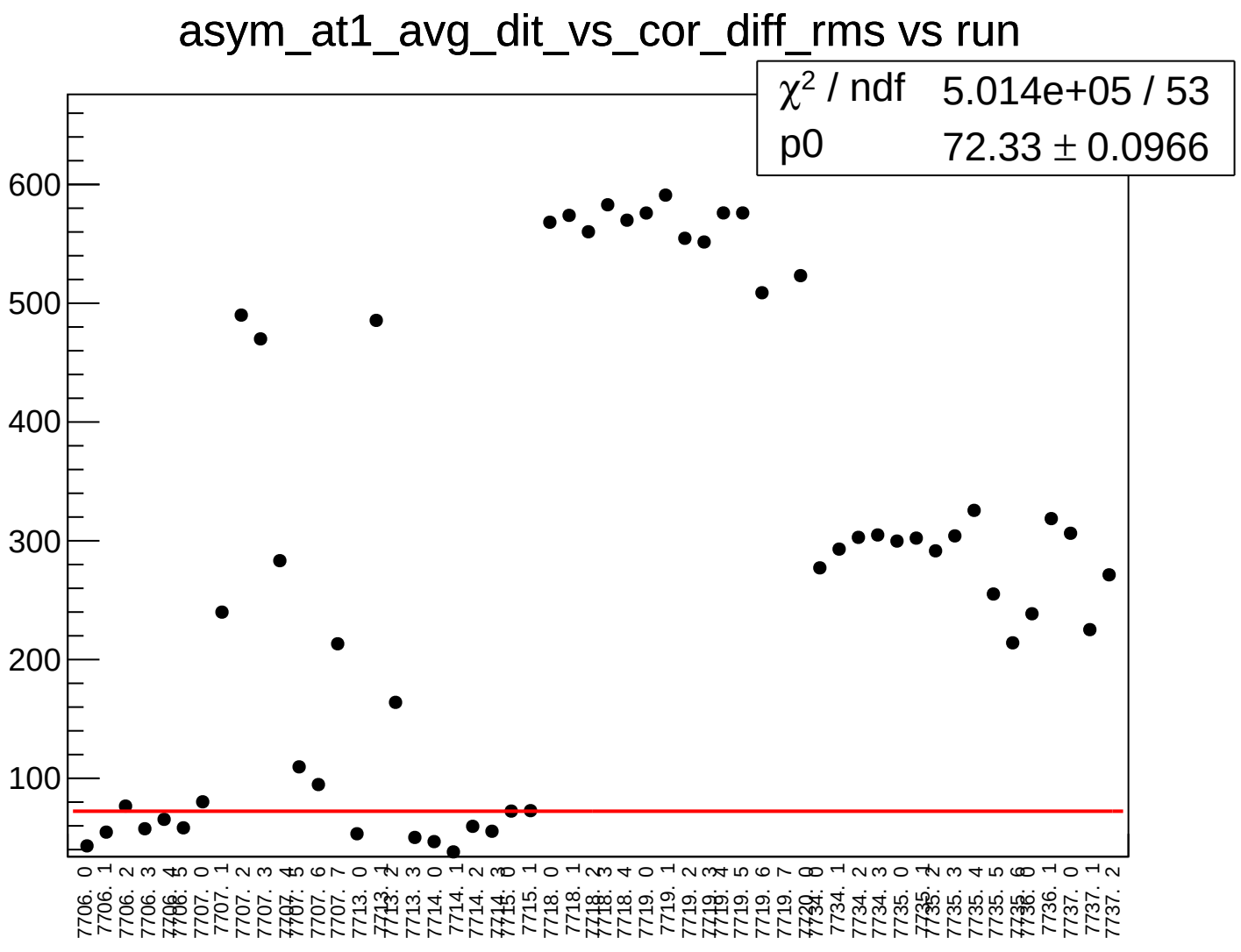

pull1D
Entries 54
Mean −0.02488
Std Dev 0.9162

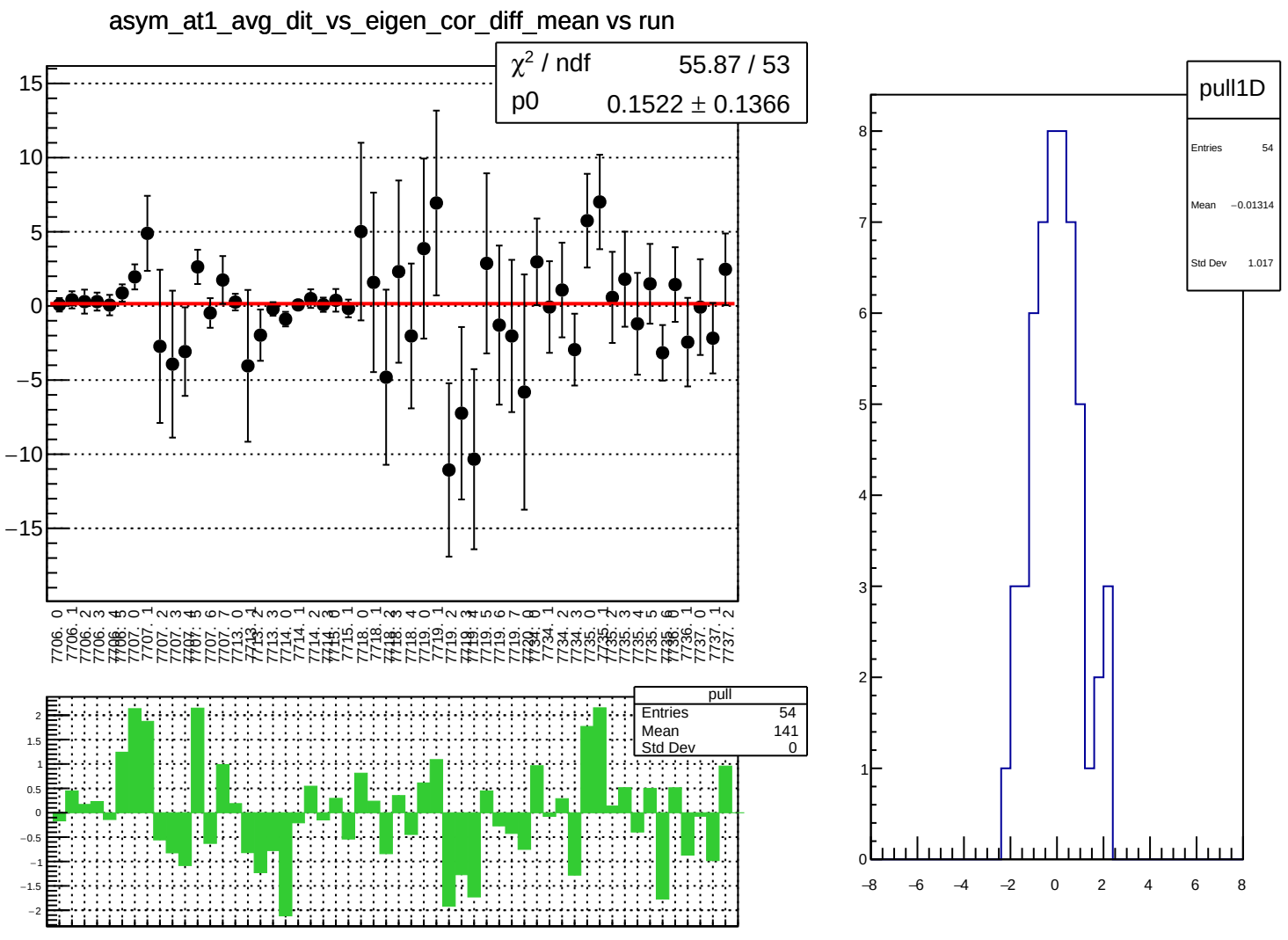

asym_at1_avg_rms vs run
χ² / ndf 4489 / 53
p0 1953 ± 1.899
2200
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

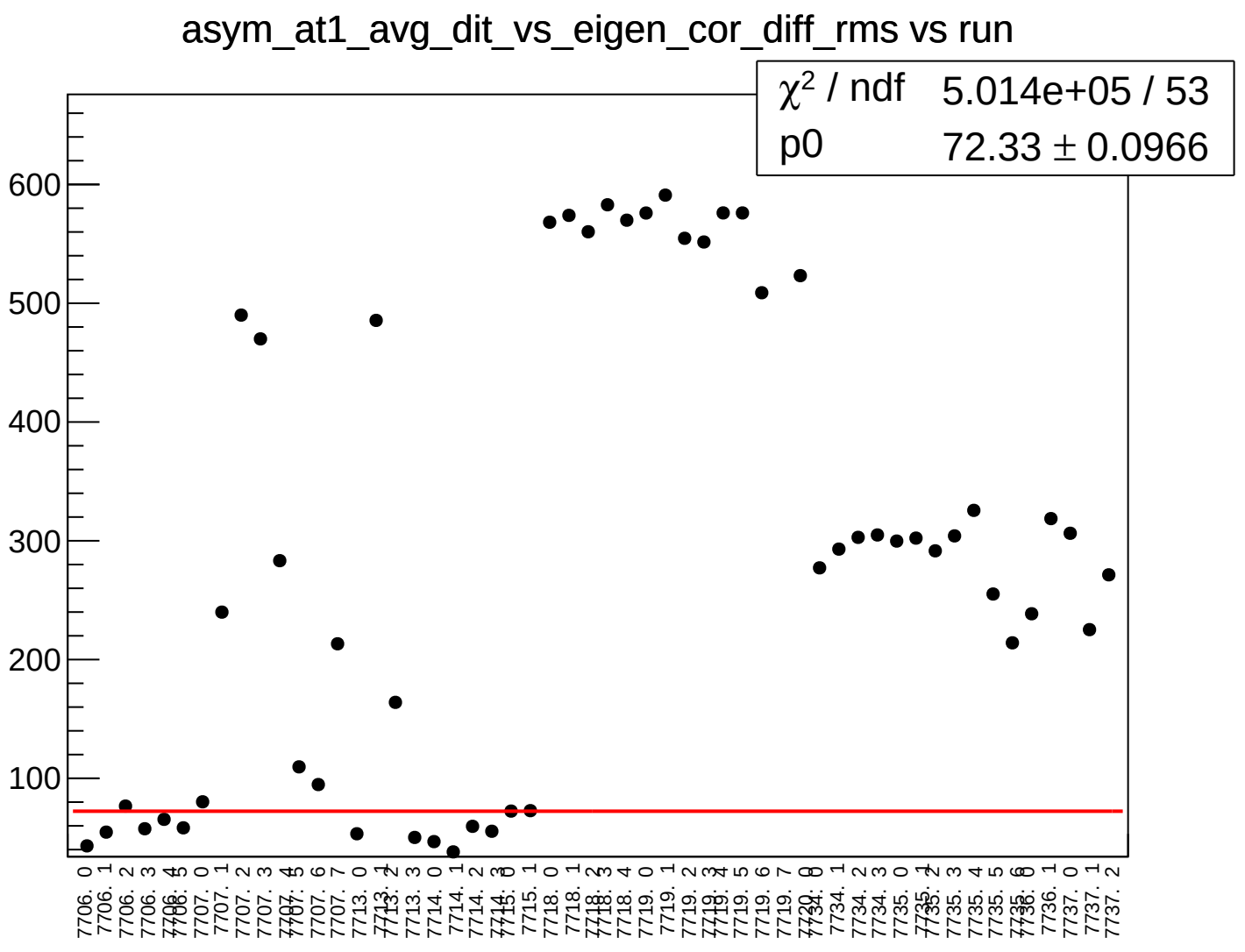

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.96 / 53
p0 2.12e−14 ± 5.152e−14
pull
Entries 54
Mean 22.2
Std Dev 0
pull1D
Entries 54
Mean −0.1921
Std Dev 1.063

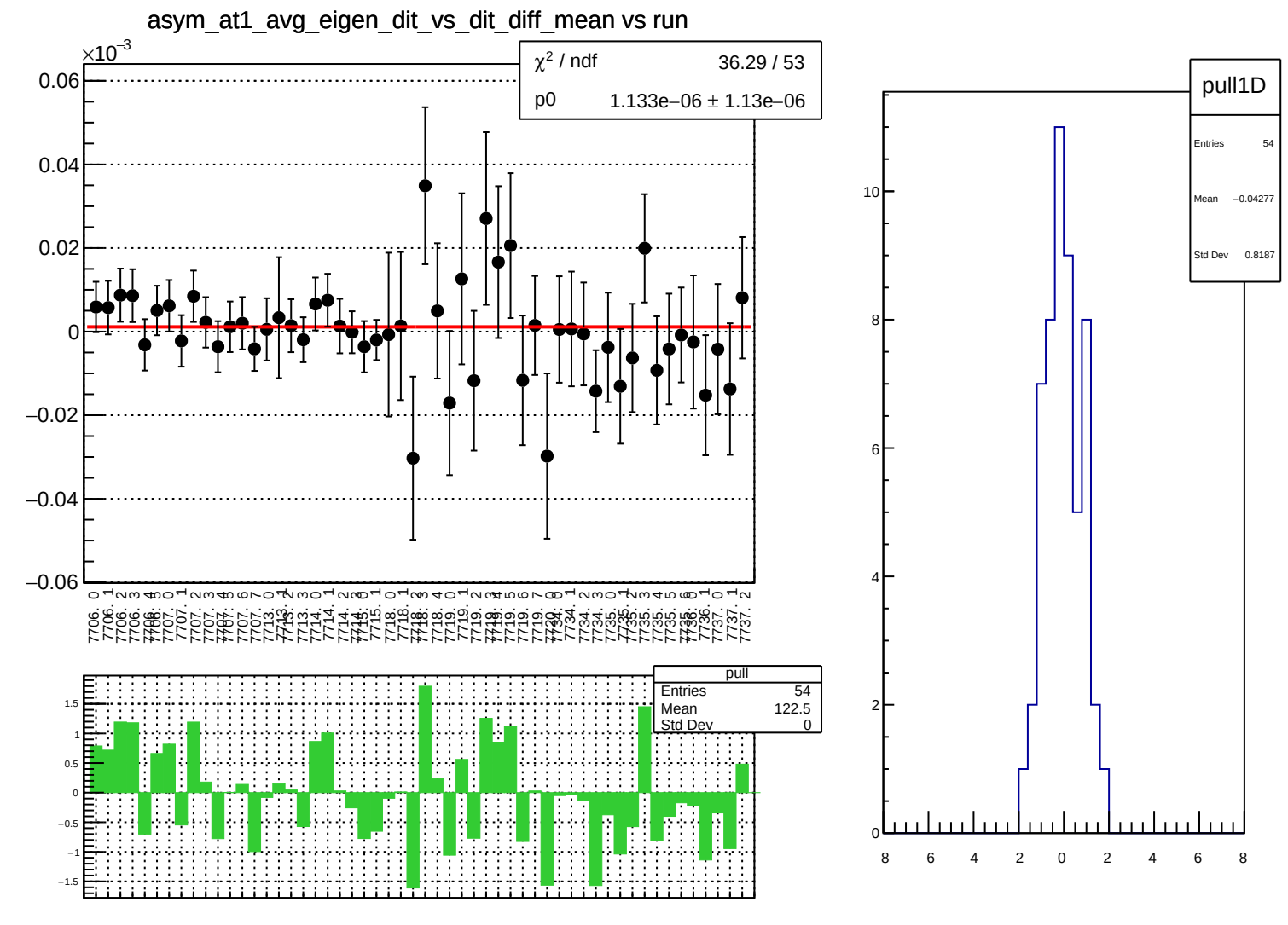

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.912e+05 / 53
p0 2.218e−11 ± 3.643e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

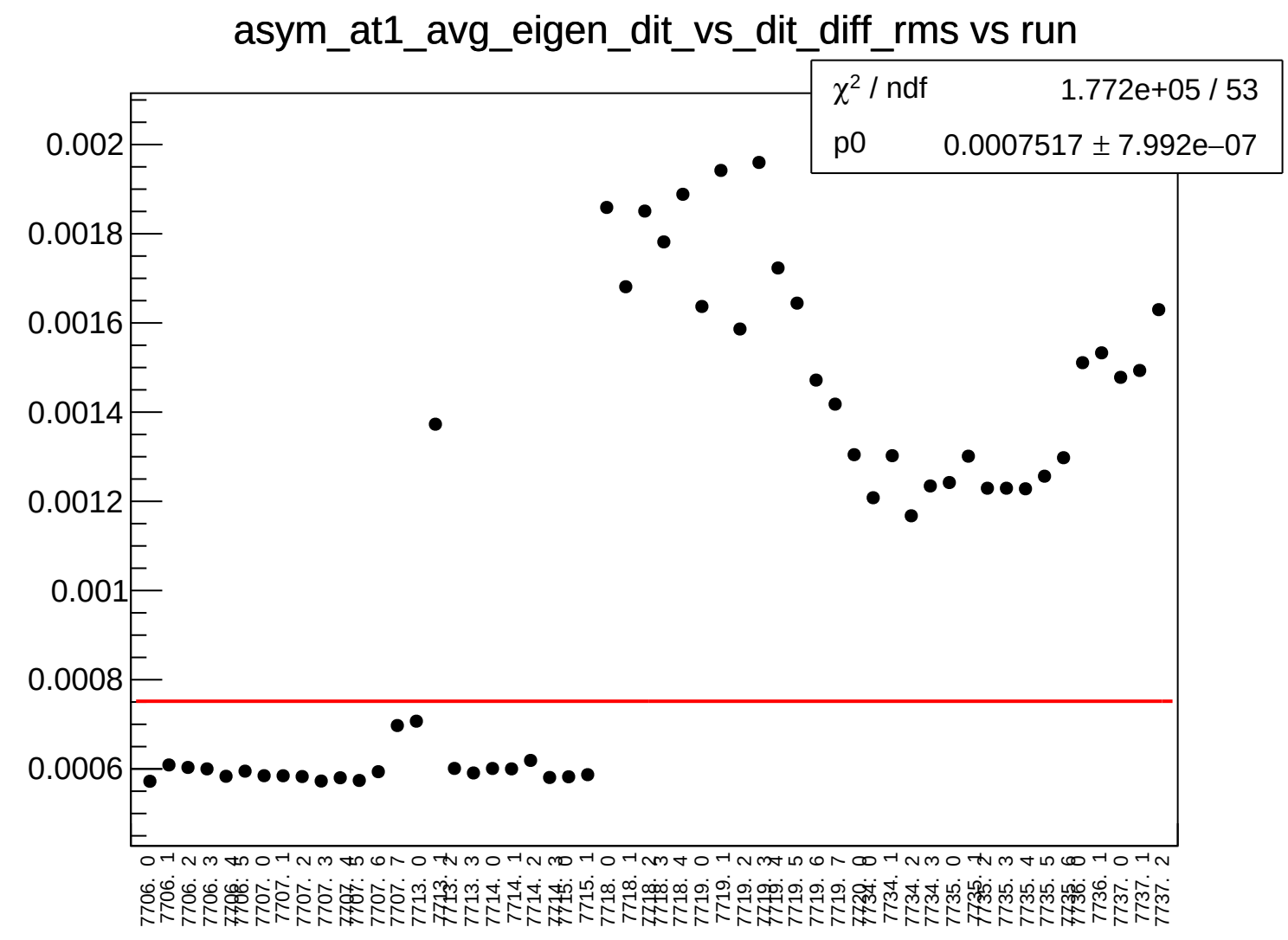

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.87 / 53
p0 0.1522 ± 0.1366
pull
Entries 54
Mean 141
Std Dev 0
pull1D
Entries 54
Mean −0.01314
Std Dev 1.017

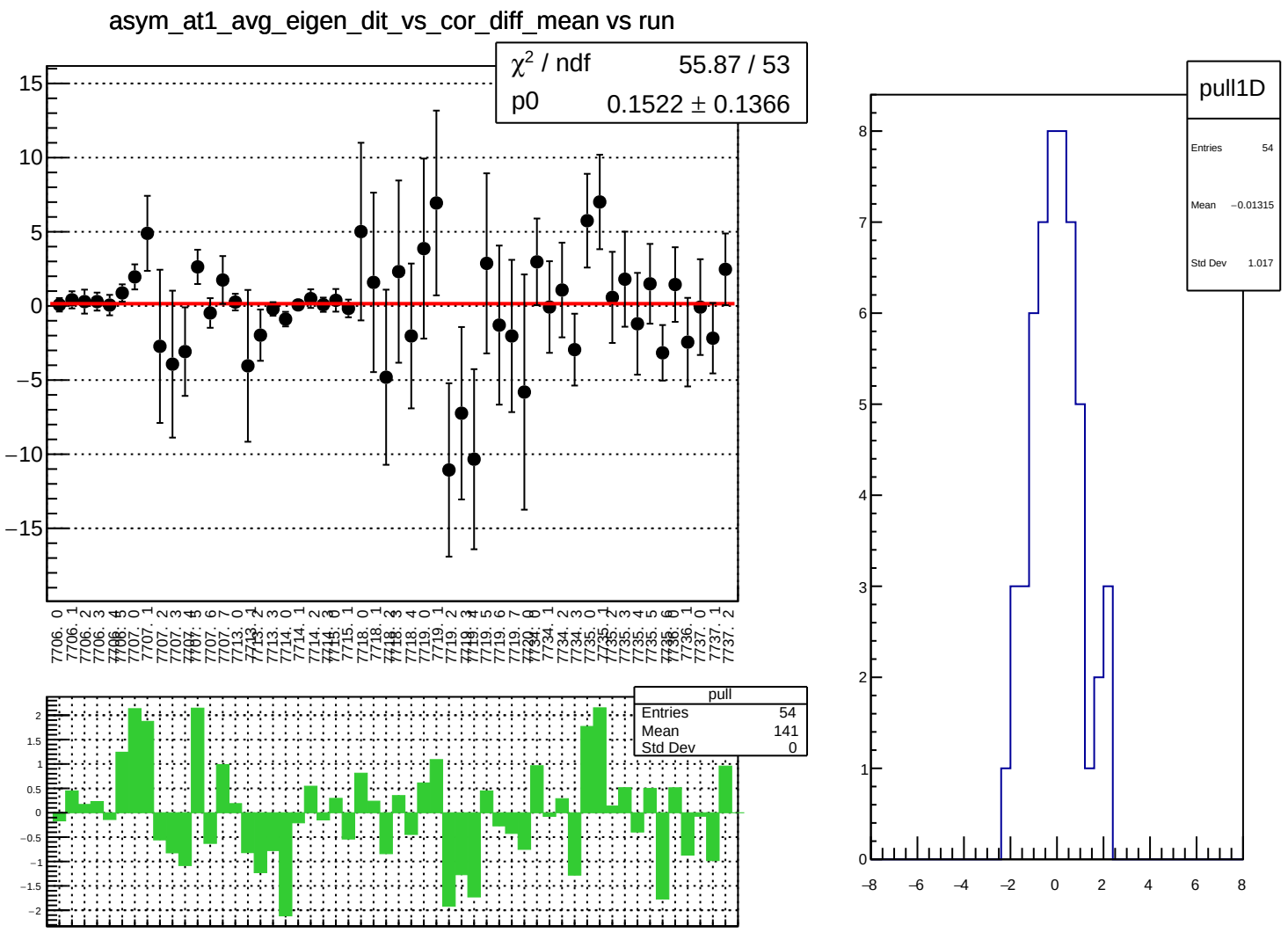

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.014e+05 / 53
p0 72.33 ± 0.0966
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

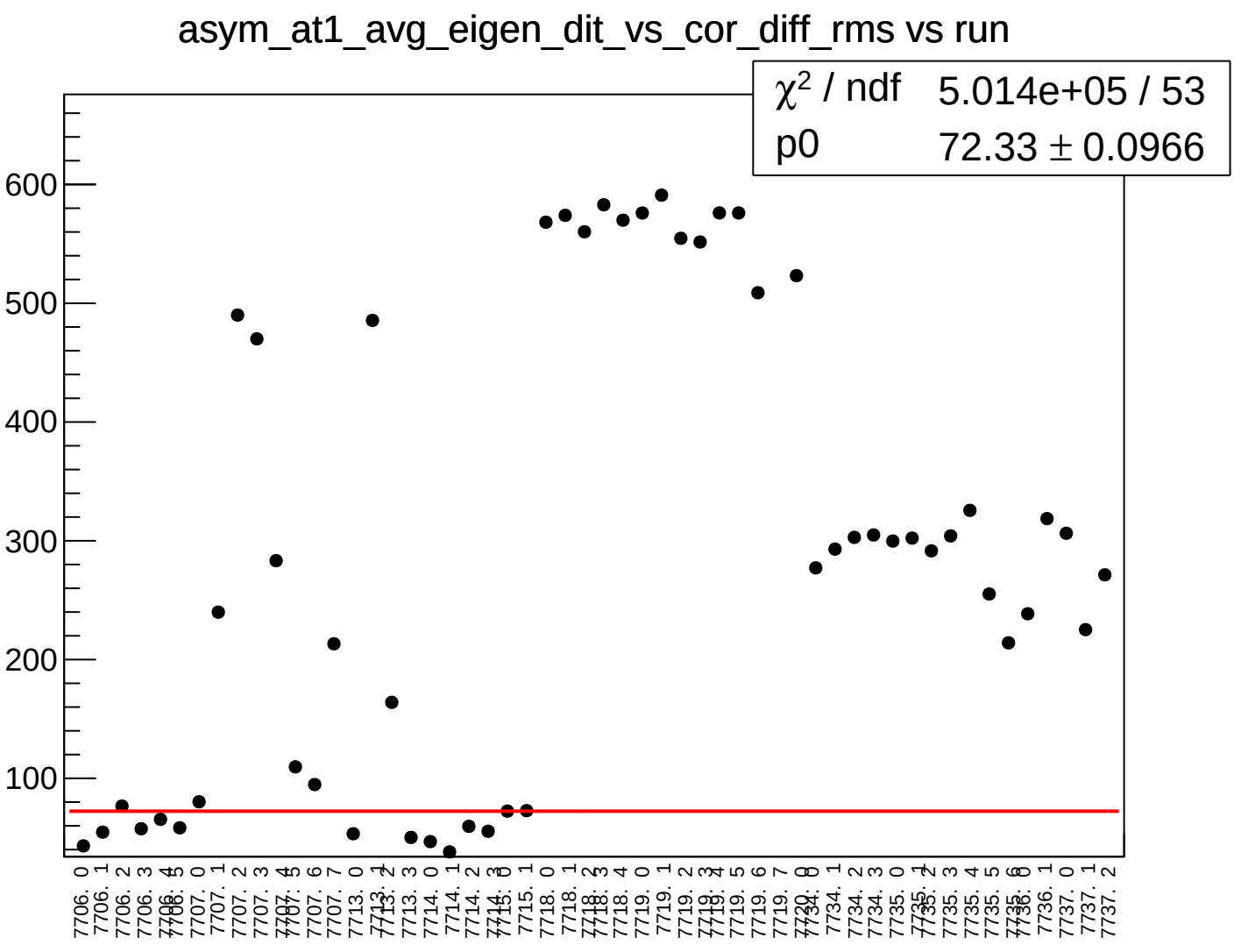

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.87 / 53
p0 0.1522 ± 0.1366
pull
Entries 54
Mean 141
Std Dev 0
pull1D
Entries 54
Mean −0.01314
Std Dev 1.017

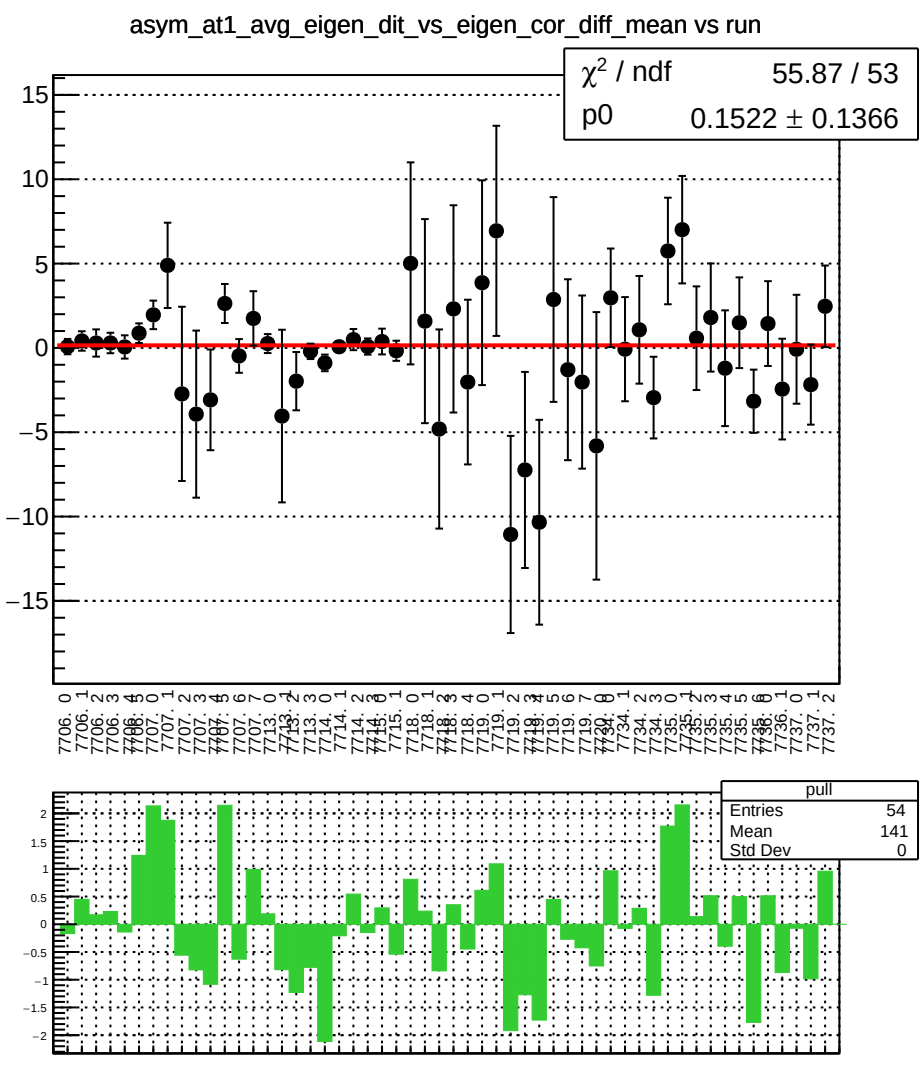

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.014e+05 / 53
p0 72.33 ± 0.0966
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

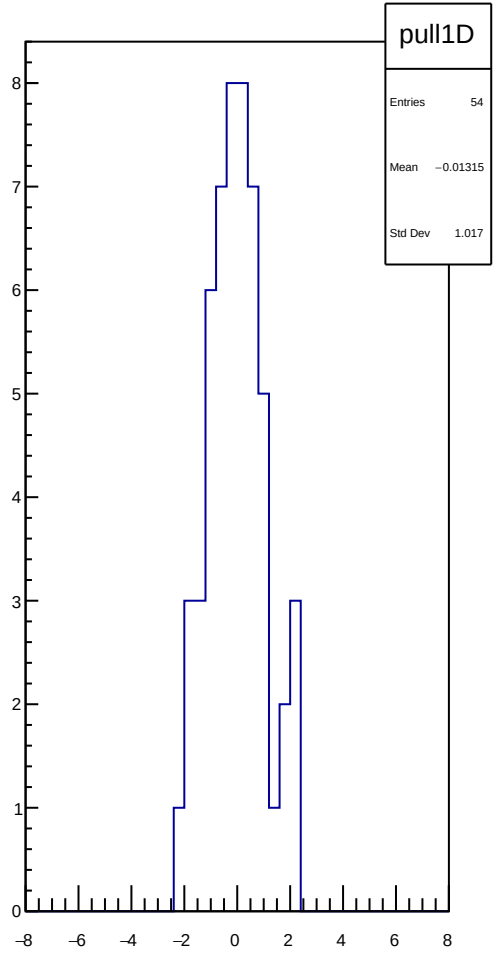

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.29 / 53
p0 1.133e−06 ± 1.13e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 122.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.04277
Std Dev 0.8187
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

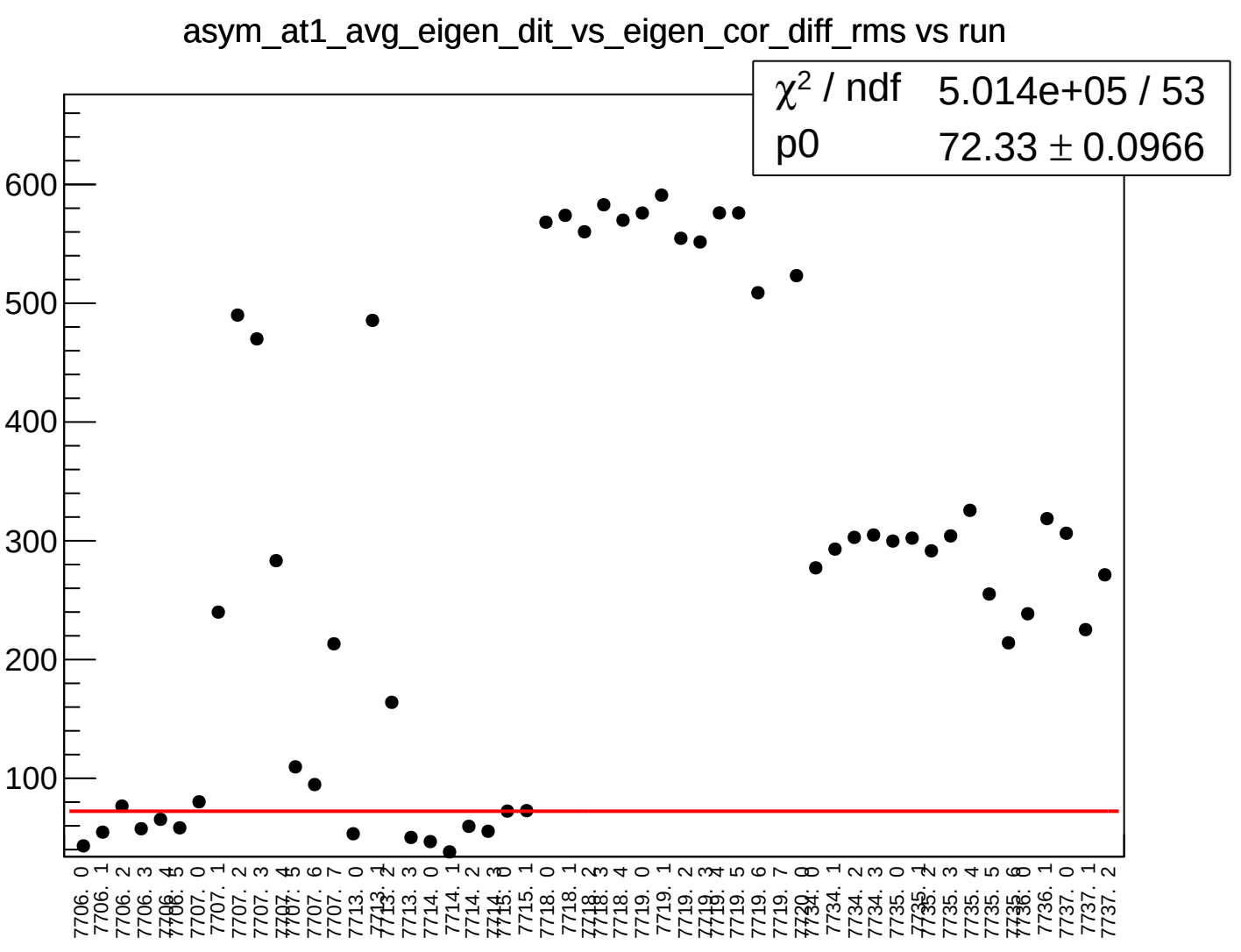

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.772e+05 / 53
p0 0.0007517 ± 7.992e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

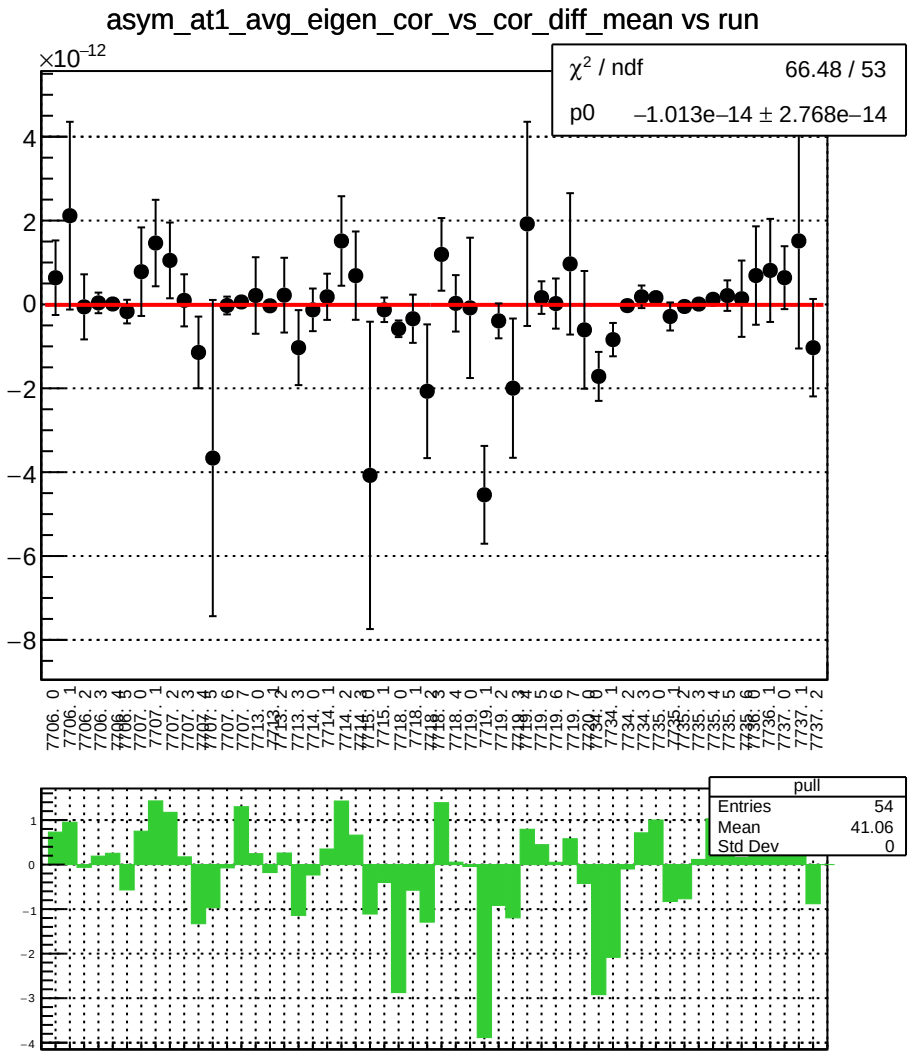

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.87 / 53
p0 0.1522 ± 0.1366
pull
Entries 54
Mean 141
Std Dev 0
pull1D
Entries 54
Mean −0.01315
Std Dev 1.017

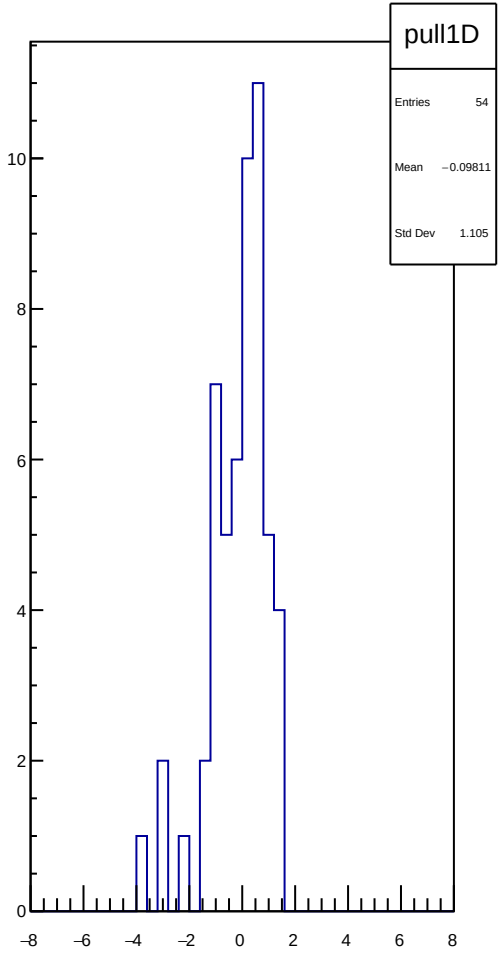

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.014e+05 / 53
p0 72.33 ± 0.0966
600
500
400
300
200
100

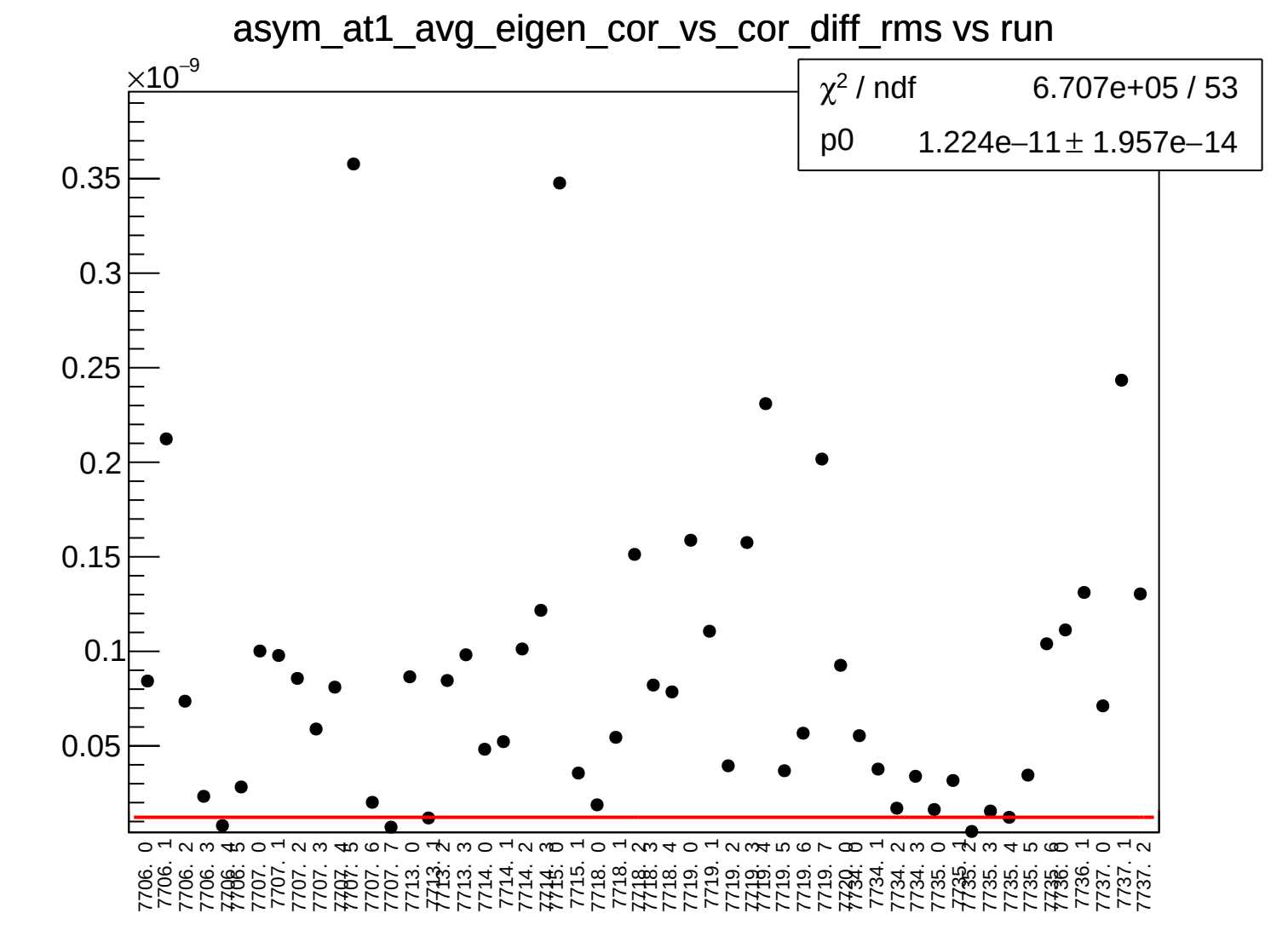

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.87 / 53
p0 0.1522 ± 0.1366
pull
Entries 54
Mean 141
Std Dev 0

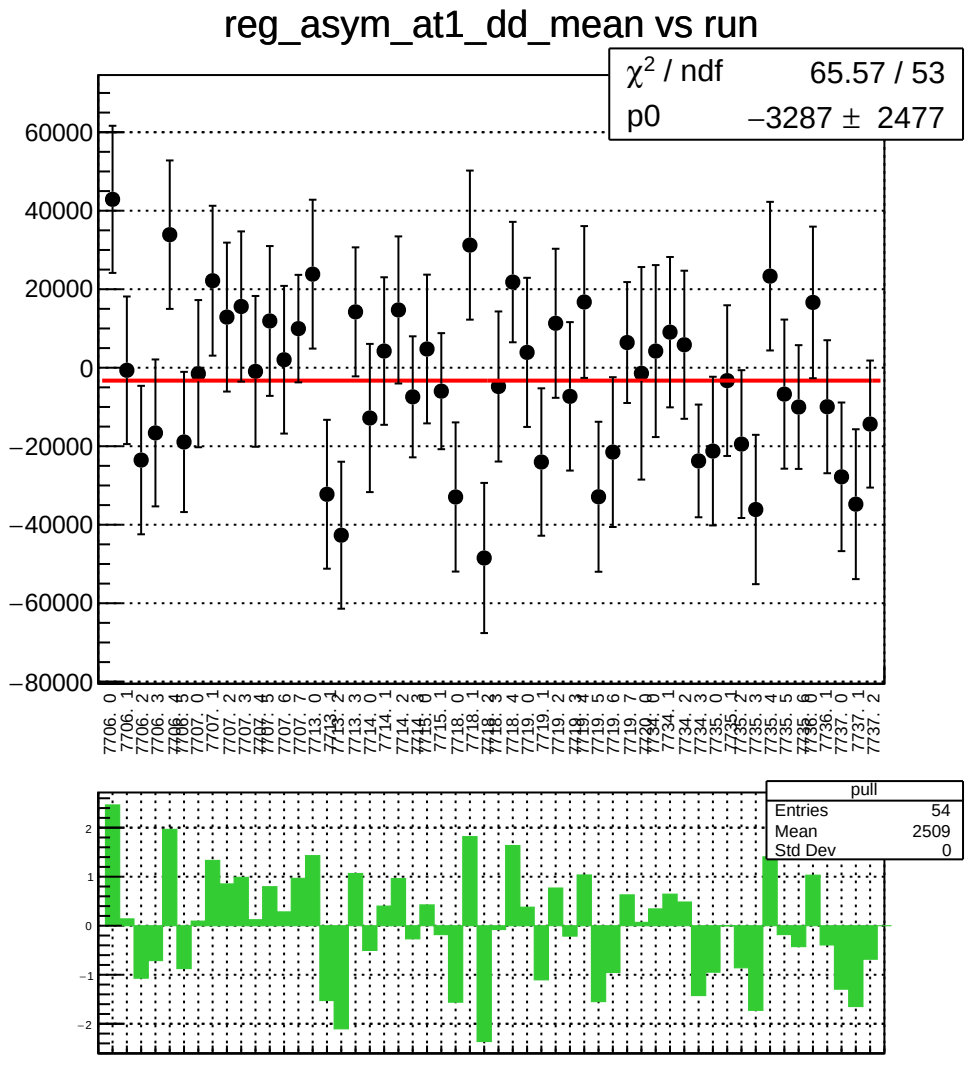

pull1D
Entries 54
Mean −0.01315
Std Dev 1.017

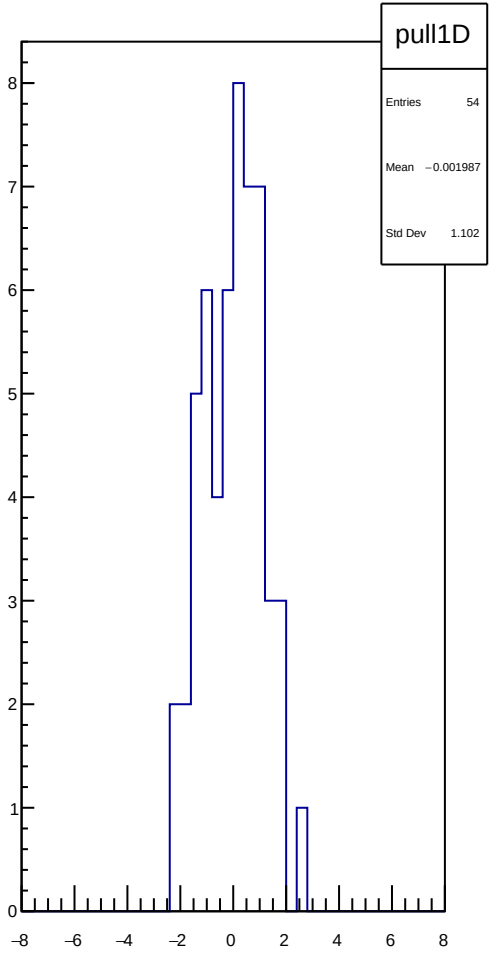

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.014e+05 / 53
p0 72.33 ± 0.0966
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

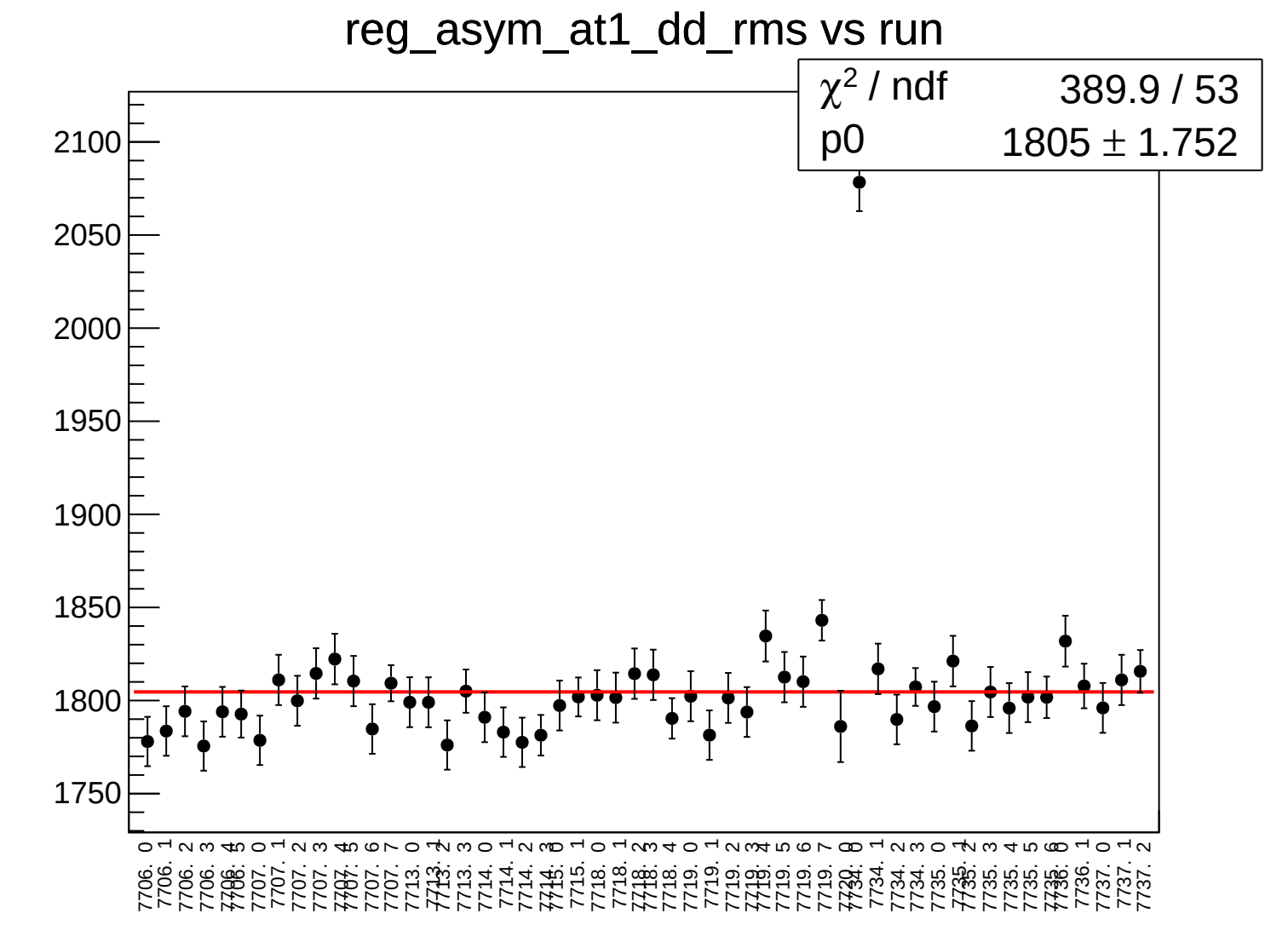

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.48 / 53
p0 −1.013e−14 ± 2.768e−14
pull
Entries 54
Mean 41.06
Std Dev 0

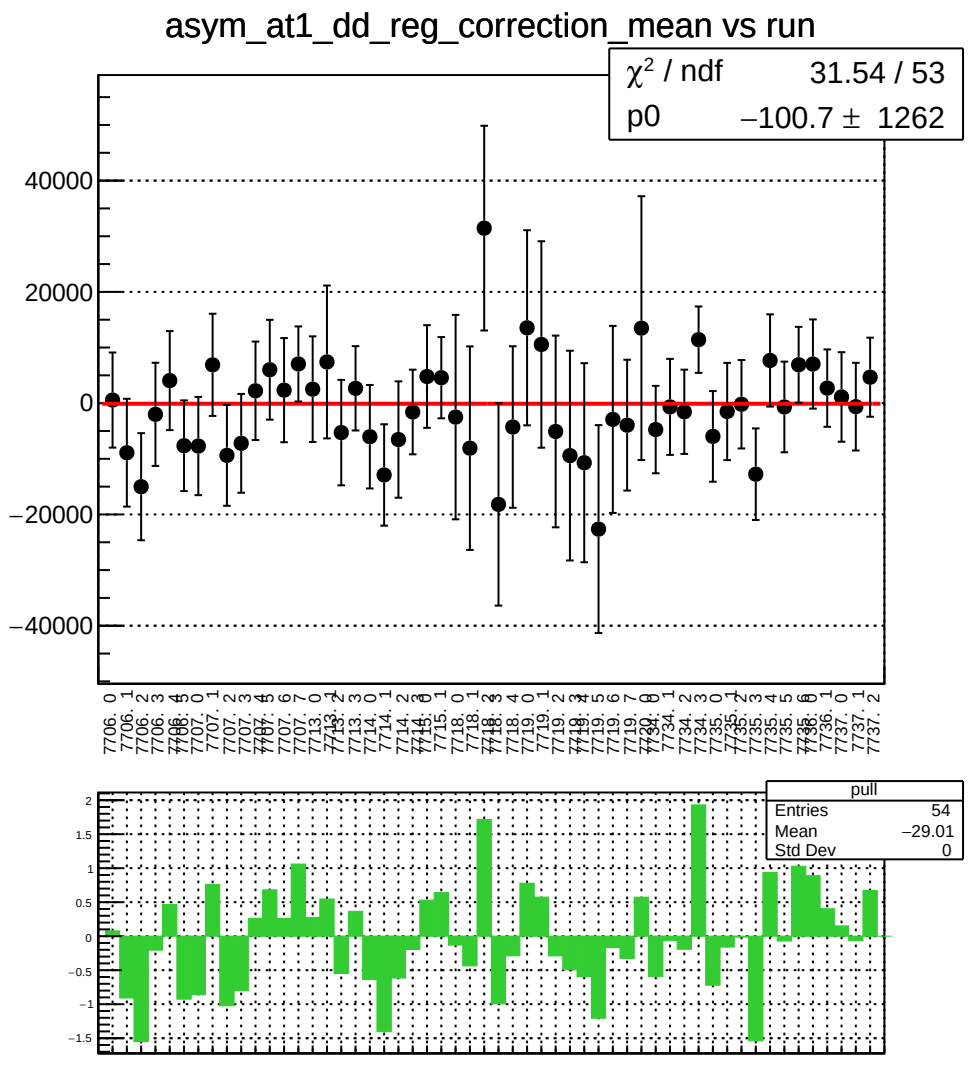

pull1D
Entries 54
Mean −0.09811
Std Dev 1.105

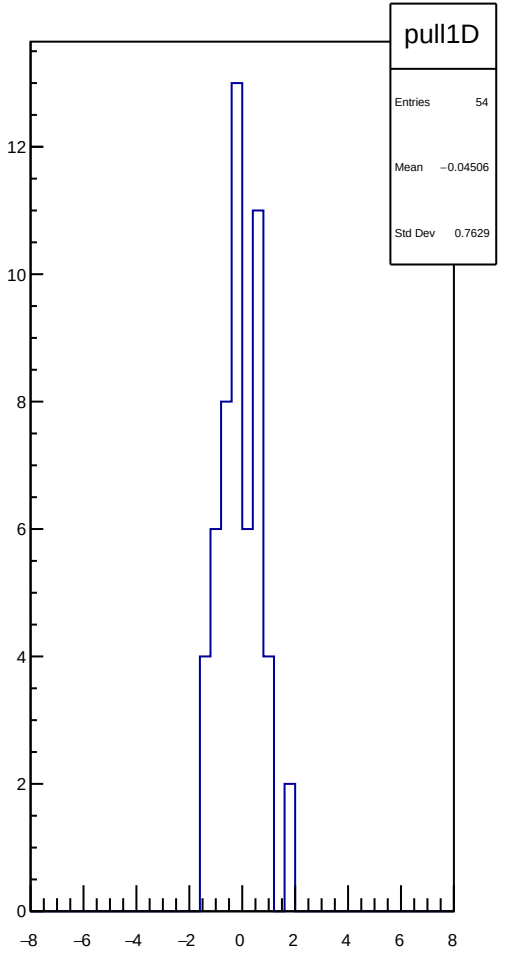

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.707e+05 / 53
p0 1.224e−11 ± 1.957e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

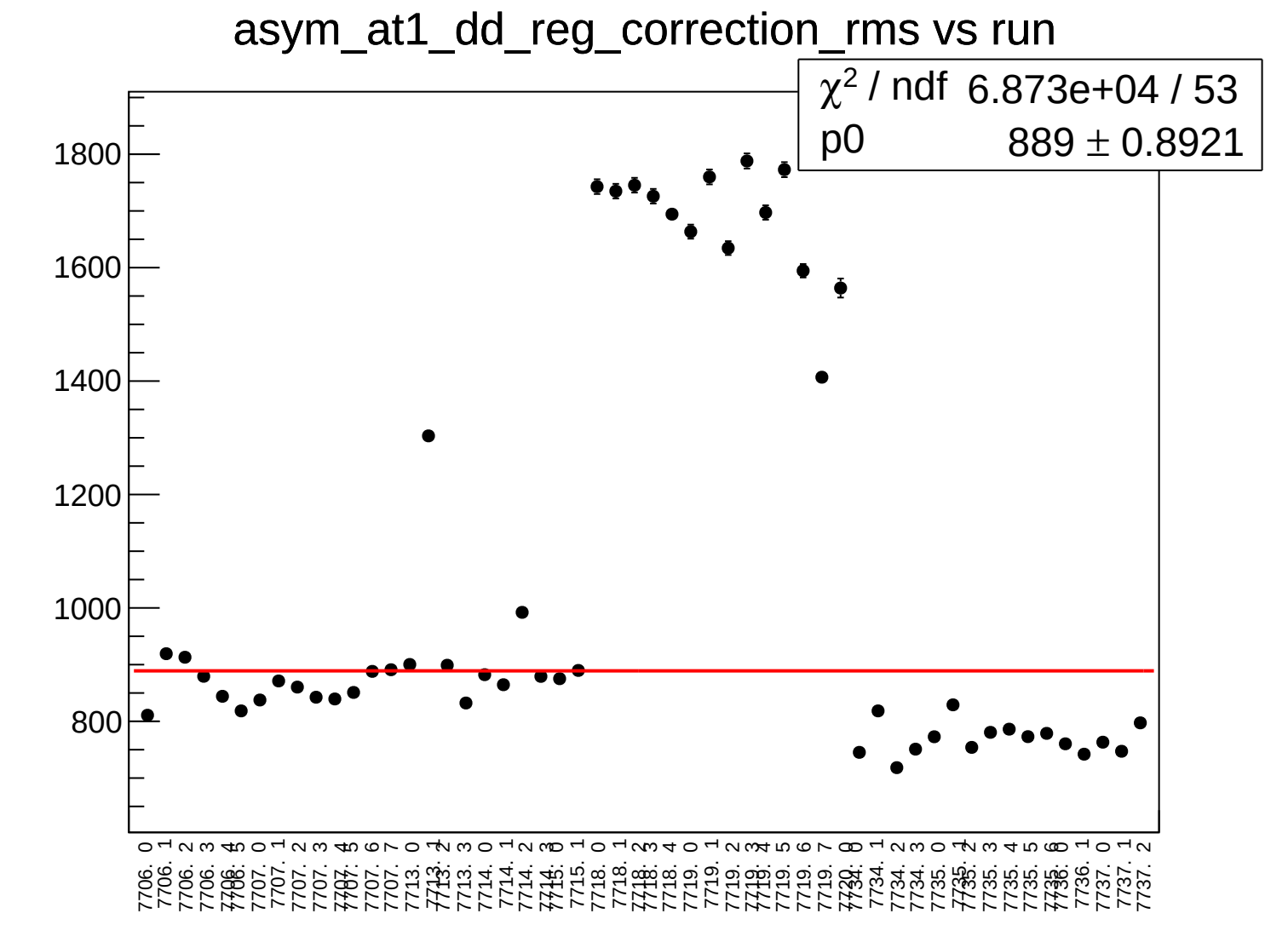

reg_asym_at1_dd_mean vs run
χ² / ndf 65.57 / 53
p0 −3287 ± 2477
pull
Entries 54
Mean 2509
Std Dev 0

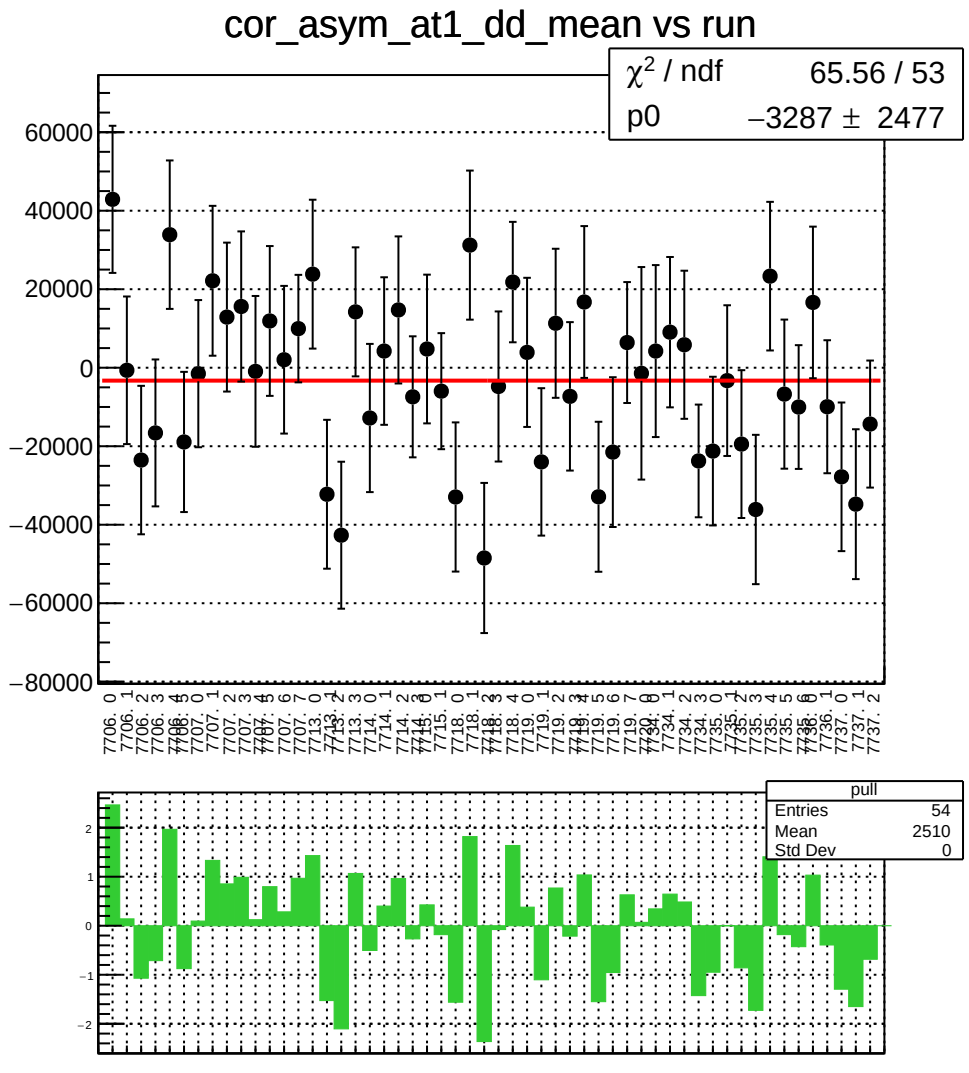

pull1D
Entries 54
Mean −0.001987
Std Dev 1.102

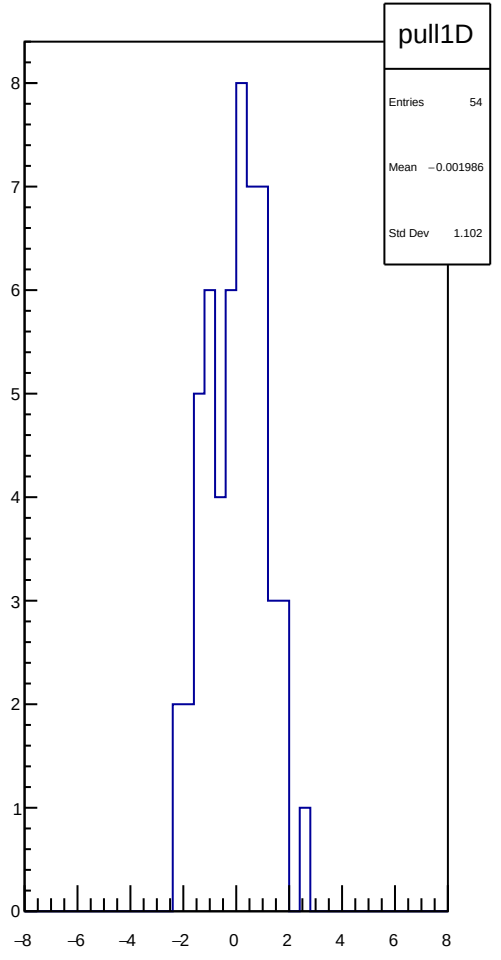

reg_asym_at1_dd_rms vs run
χ^2 / ndf 389.9 / 53
p0 1805 ± 1.752
2100
2050
2000
1950
1900
1850
1800
1750

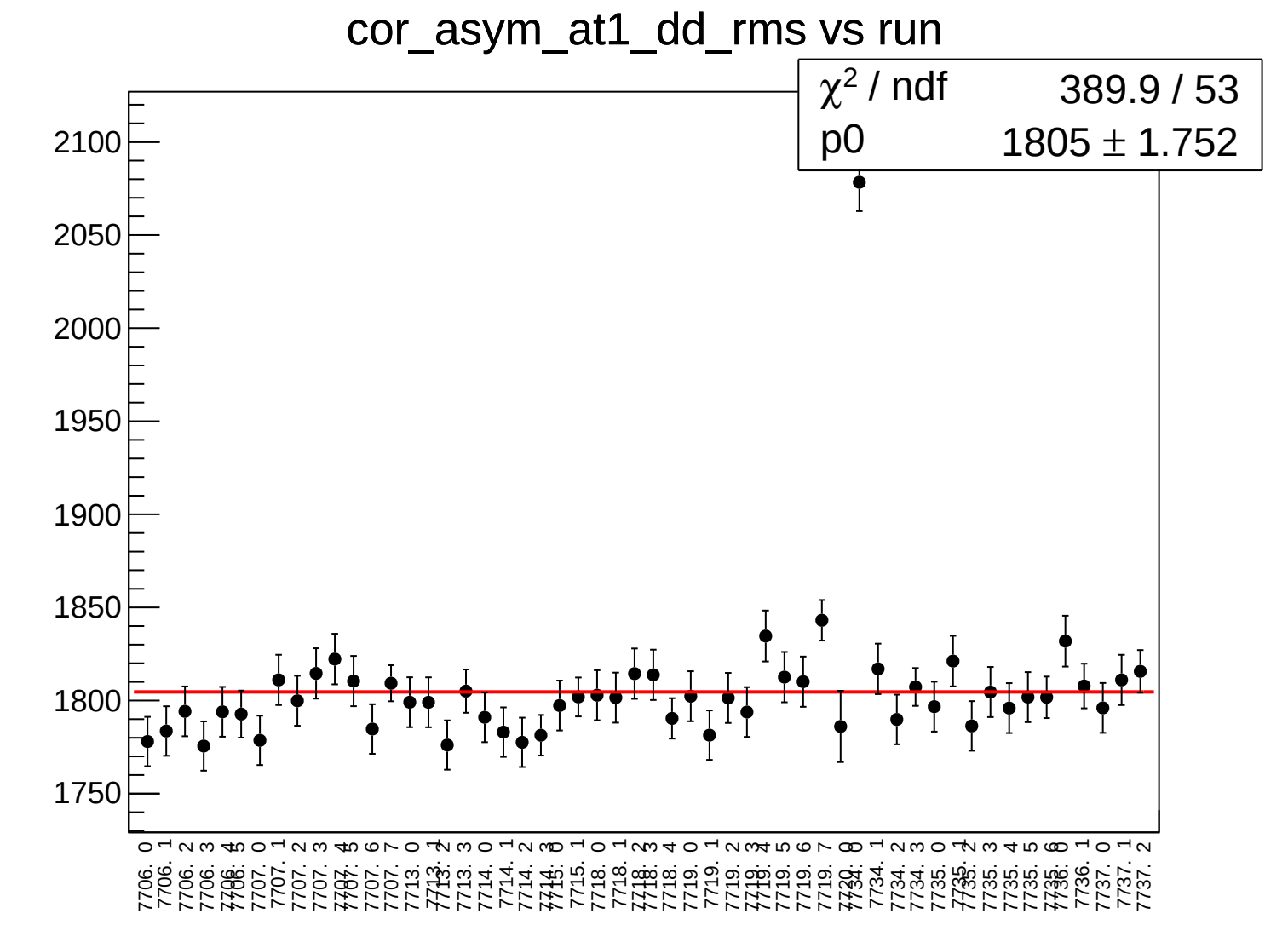

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 31.54 / 53
p0 −100.7 ± 1262
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −29.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

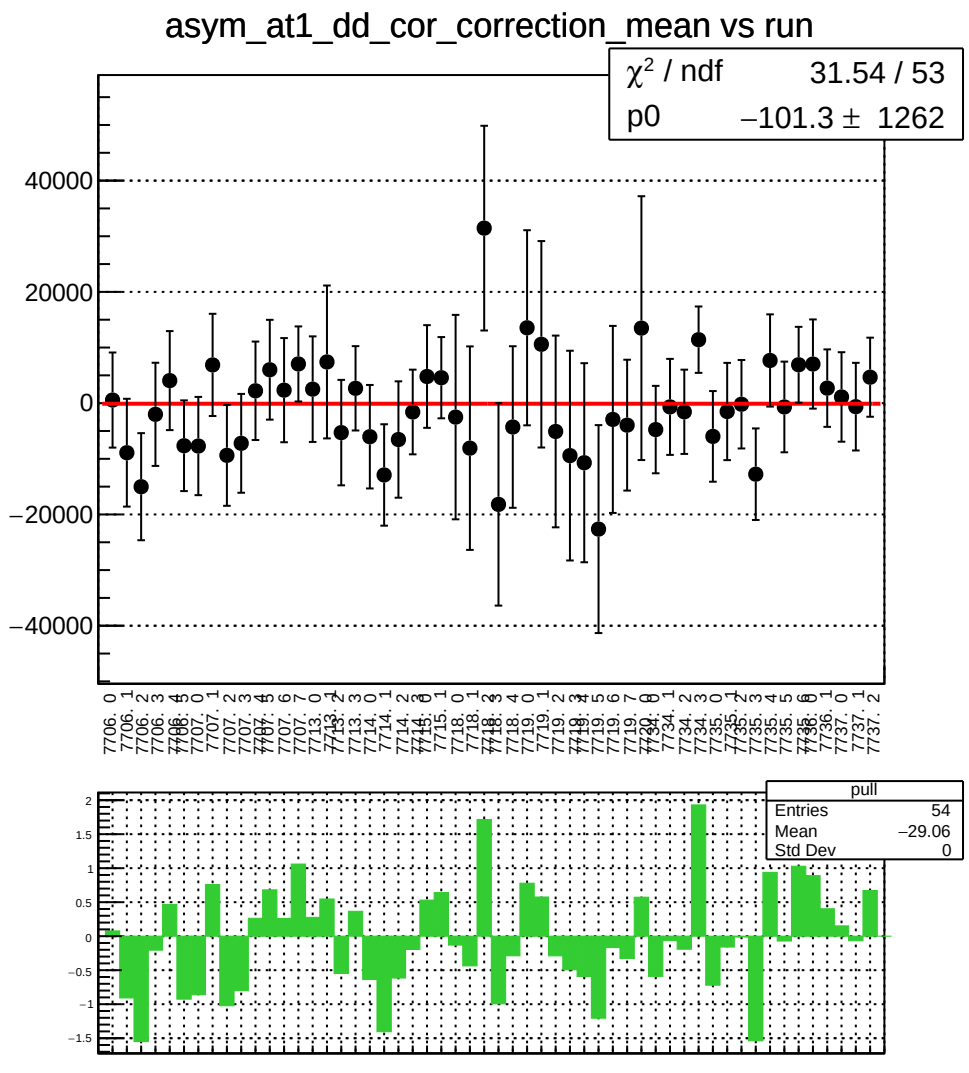

pull1D
Entries 54
Mean −0.04506
Std Dev 0.7629
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

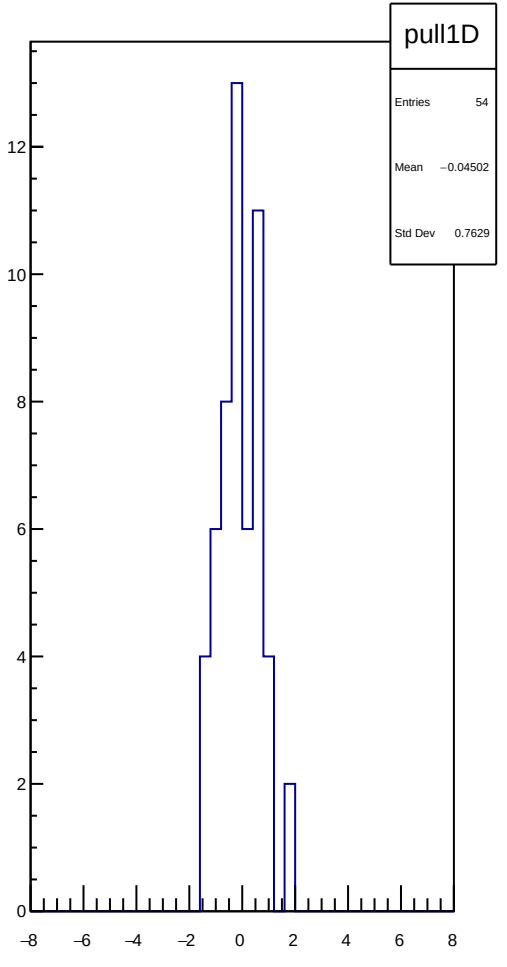

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6.873e+04 / 53
p0 889 ± 0.8921
1800
1600
1400
1200
1000
800

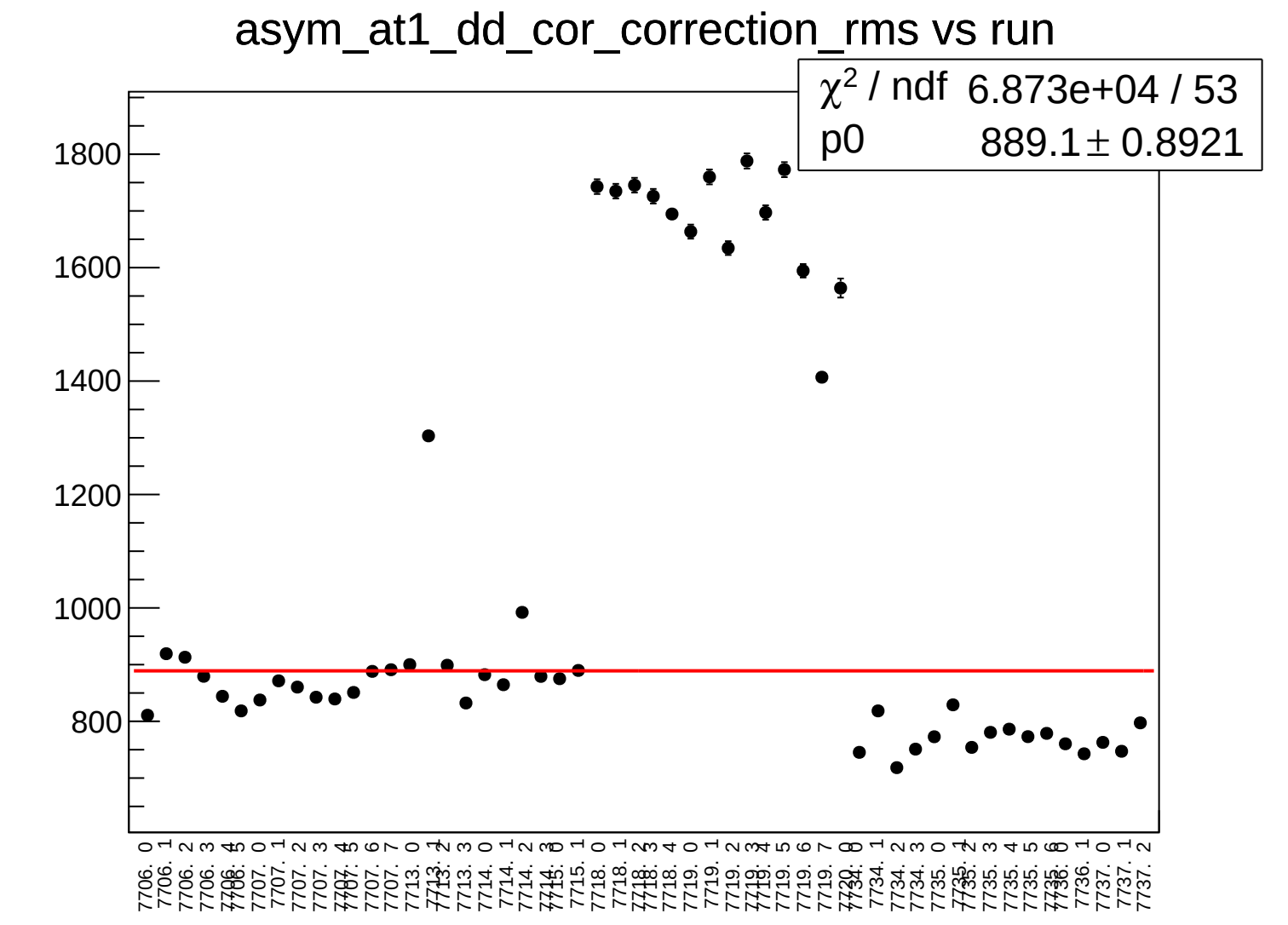

cor_asym_at1_dd_mean vs run
χ² / ndf 65.56 / 53
p0 −3287 ± 2477
pull
Entries 54
Mean 2510
Std Dev 0

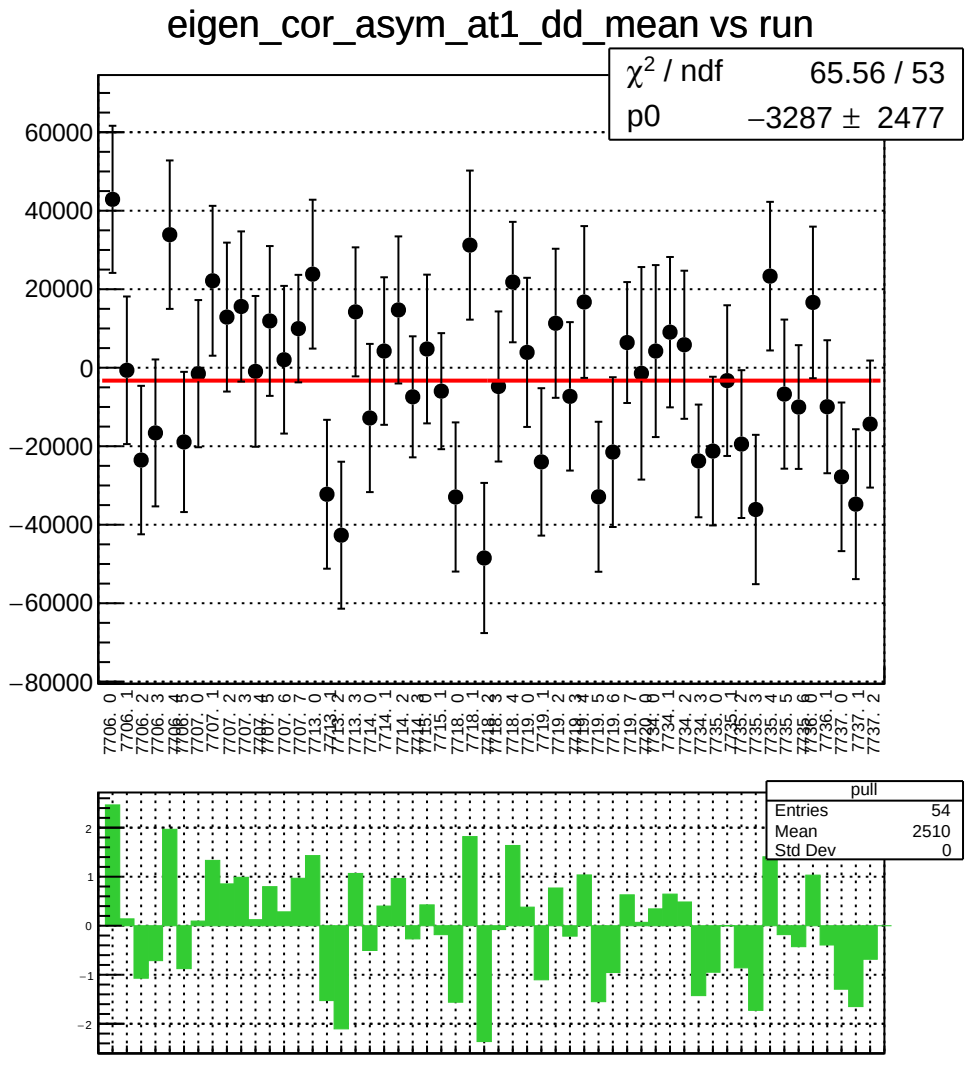

pull1D
Entries 54
Mean −0.001986
Std Dev 1.102

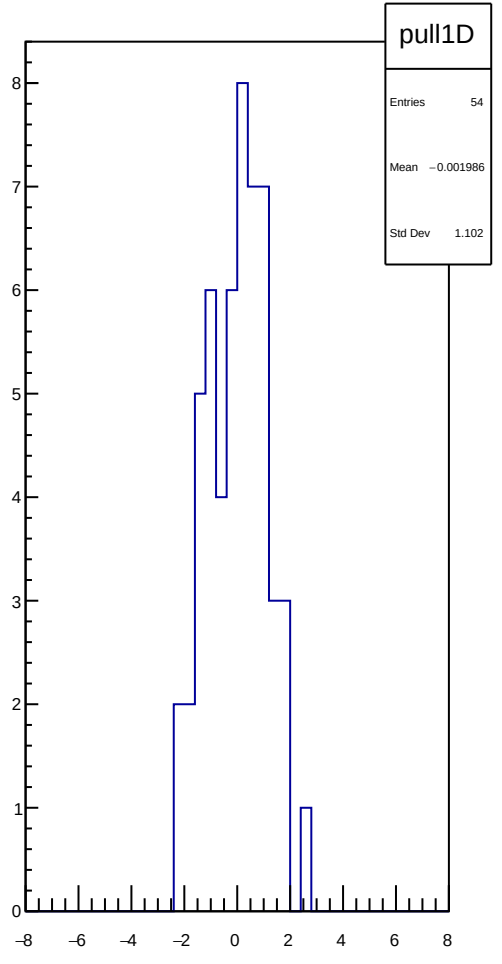

cor_asym_at1_dd_rms vs run
χ^2 / ndf 389.9 / 53
p0 1805 ± 1.752
2100
2050
2000
1950
1900
1850
1800
1750

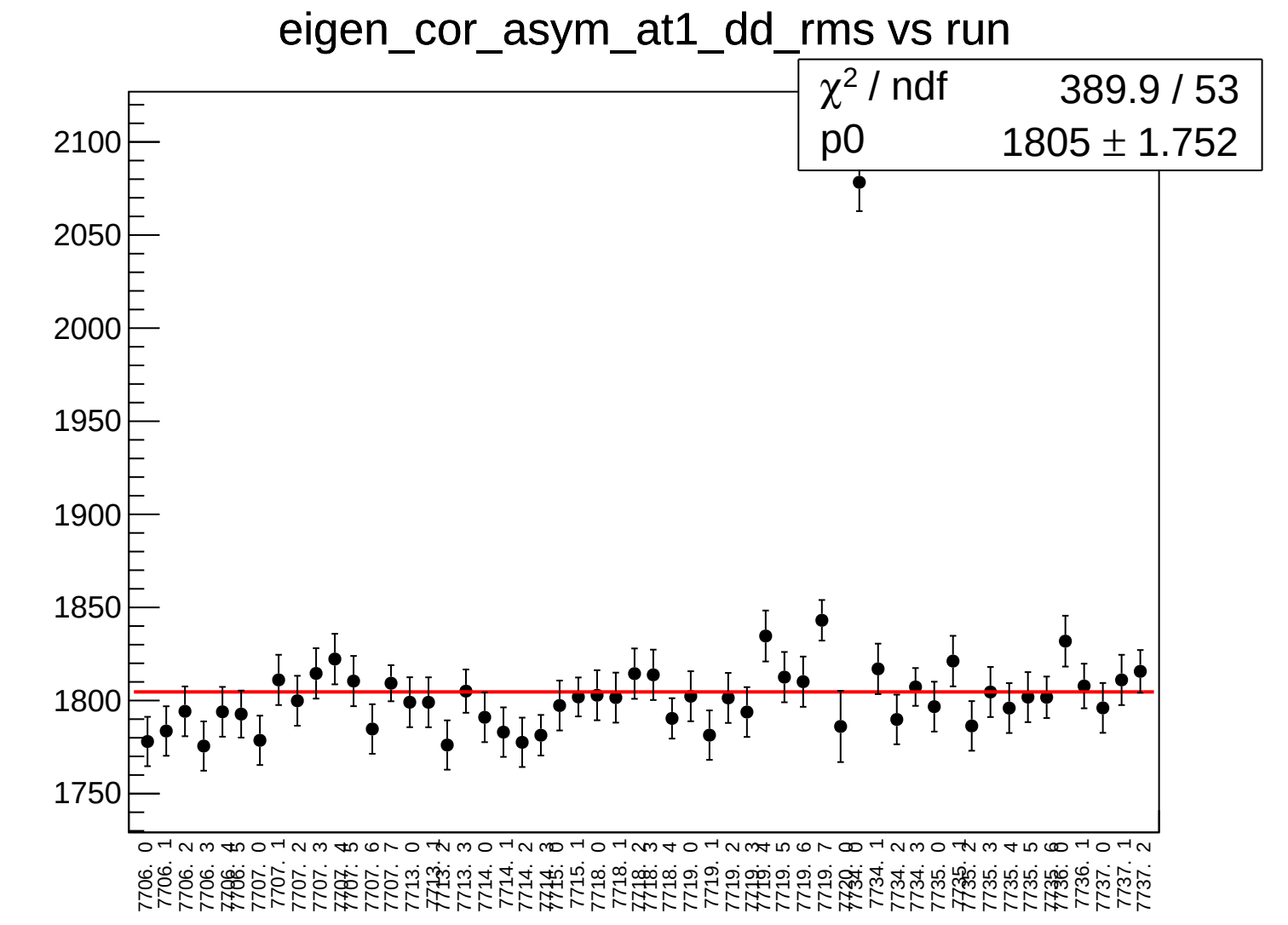

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 31.54 / 53
p0 −101.3 ± 1262
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −29.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

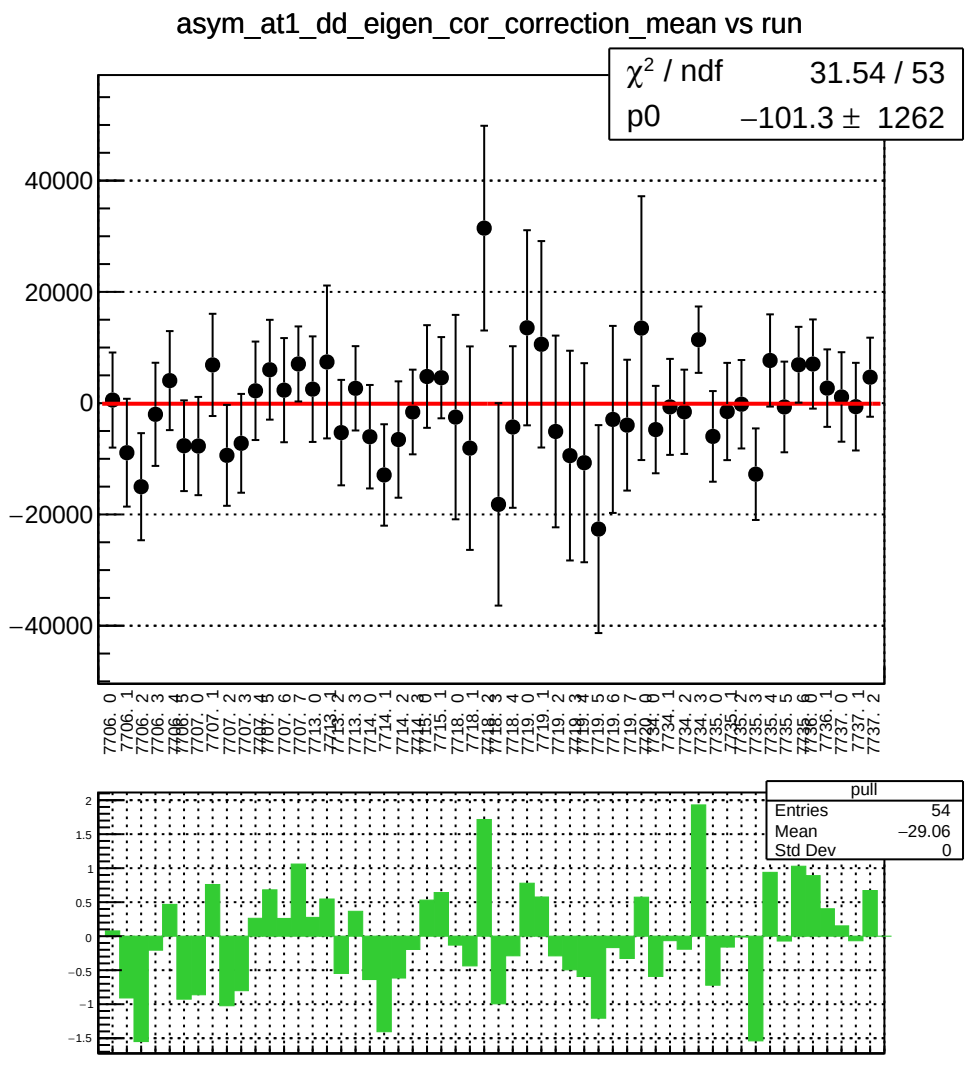

pull1D
Entries 54
Mean −0.04502
Std Dev 0.7629
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

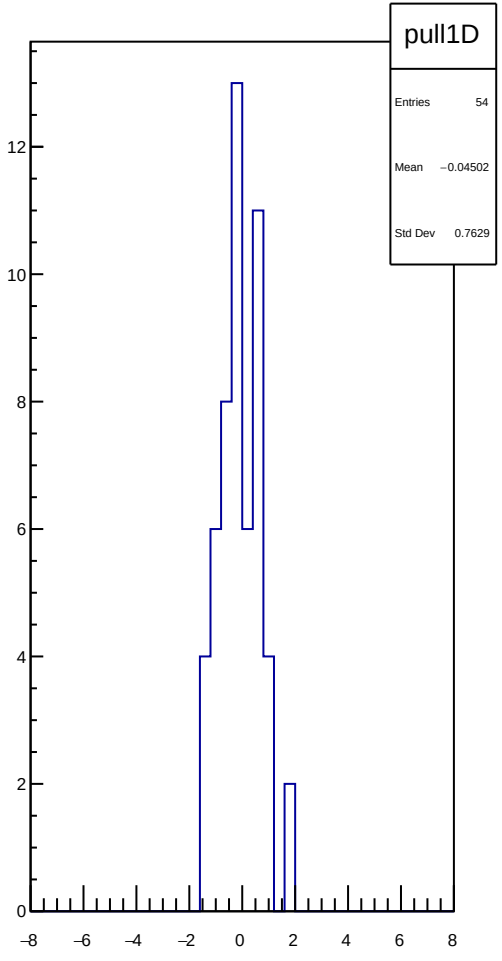

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6.873e+04 / 53
p0 889.1 ± 0.8921
1800
1600
1400
1200
1000
800

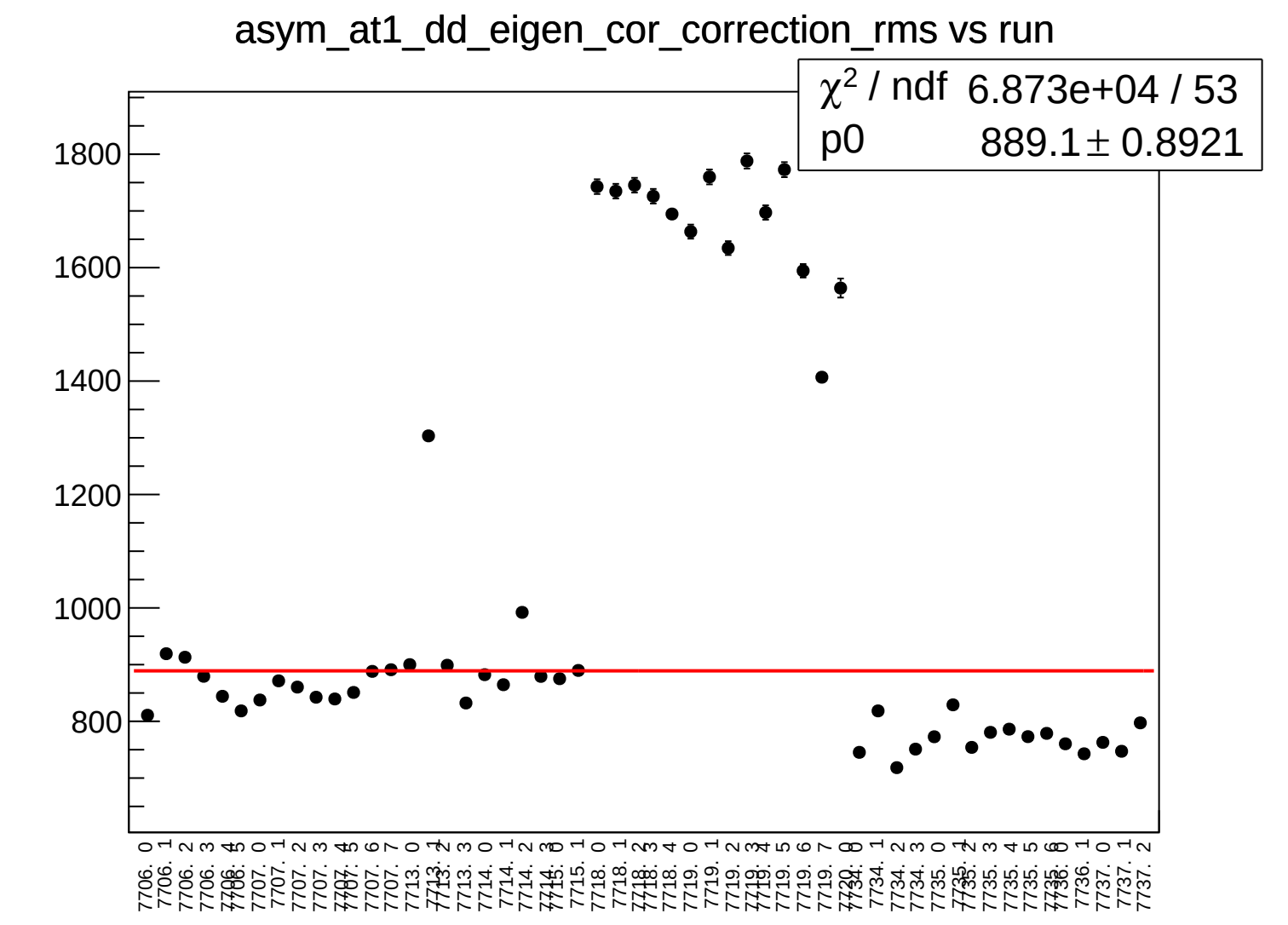

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 65.56 / 53
p0 −3287 ± 2477
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 2510
Std Dev 0
2
1
0
−1
−2

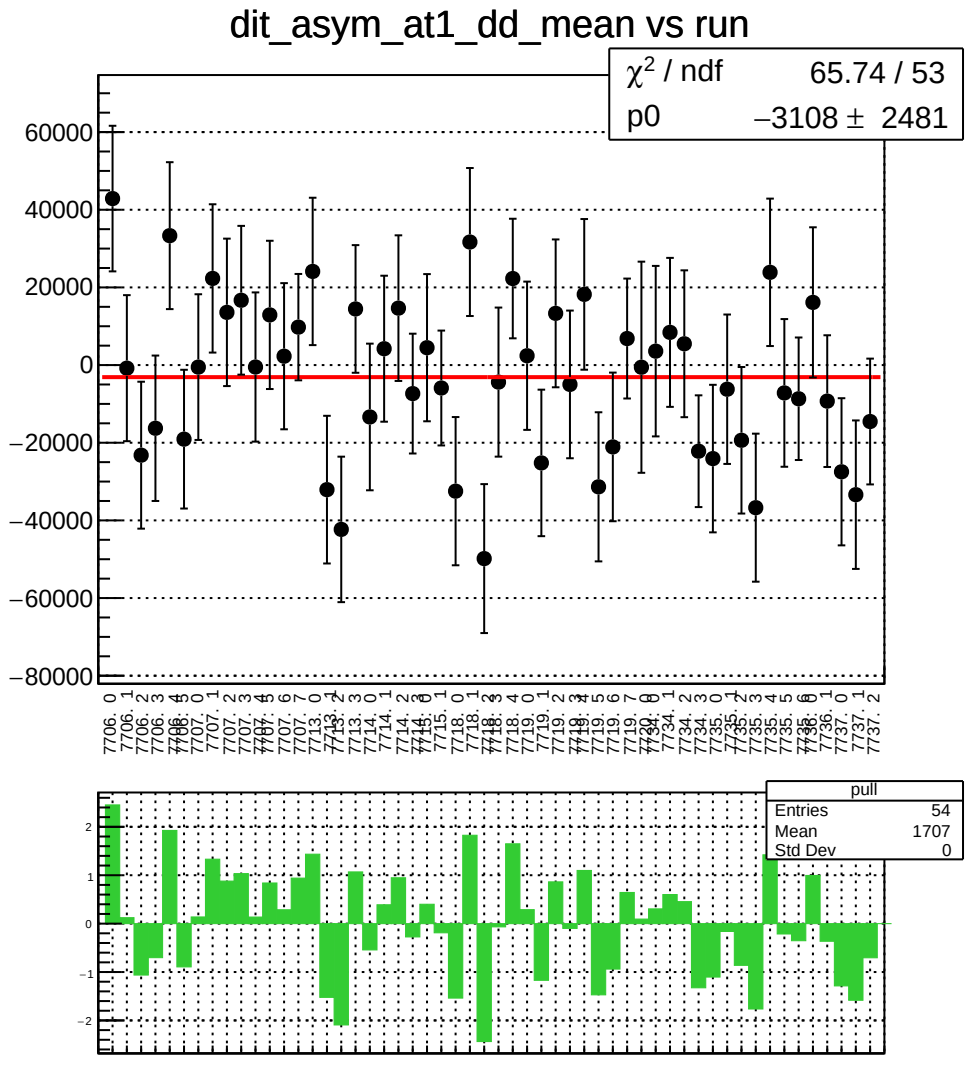

pull1D
Entries 54
Mean −0.001986
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

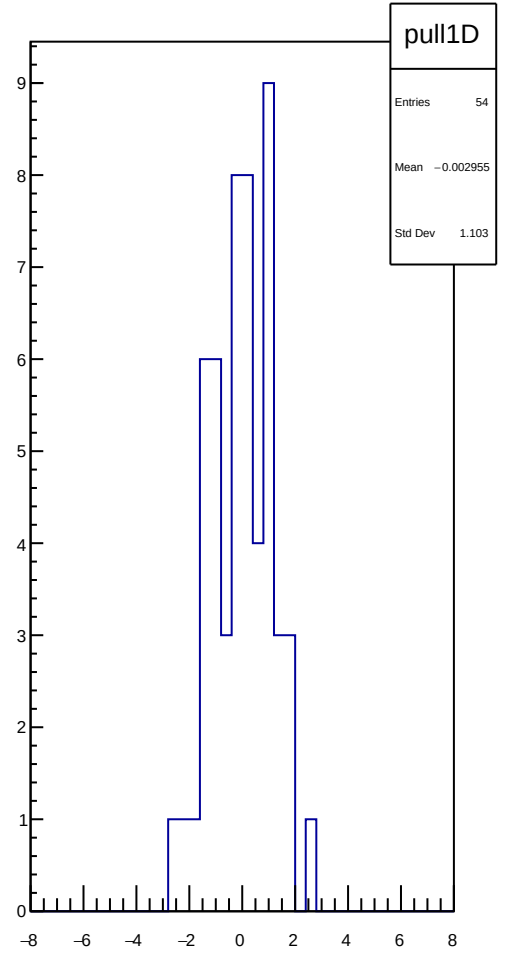

eigen_cor_asym_at1_dd_rms vs run
χ^2 / ndf 389.9 / 53
p0 1805 ± 1.752
2100
2050
2000
1950
1900
1850
1800
1750

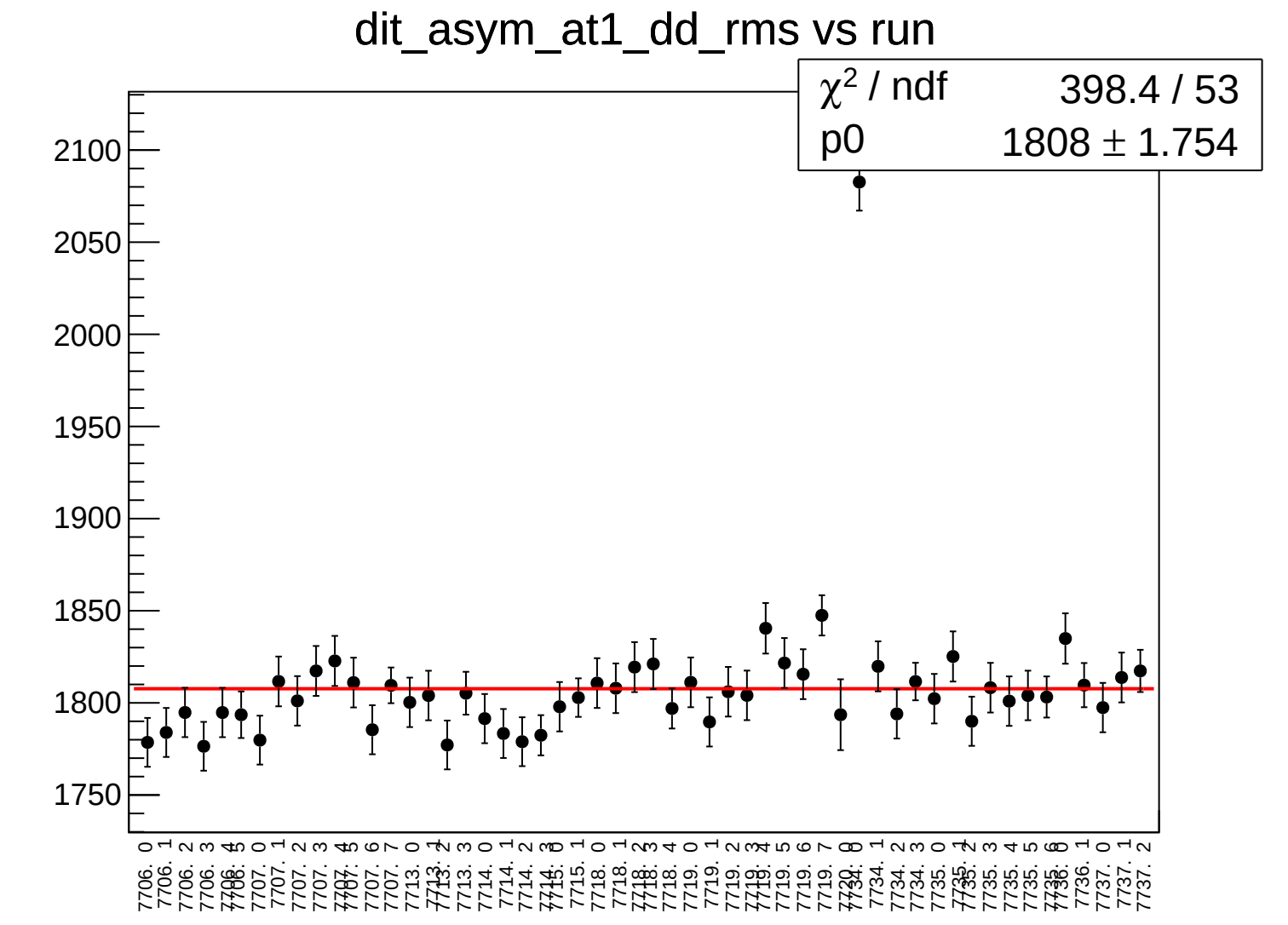

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.54 / 53
p0 −101.3 ± 1262
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −29.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

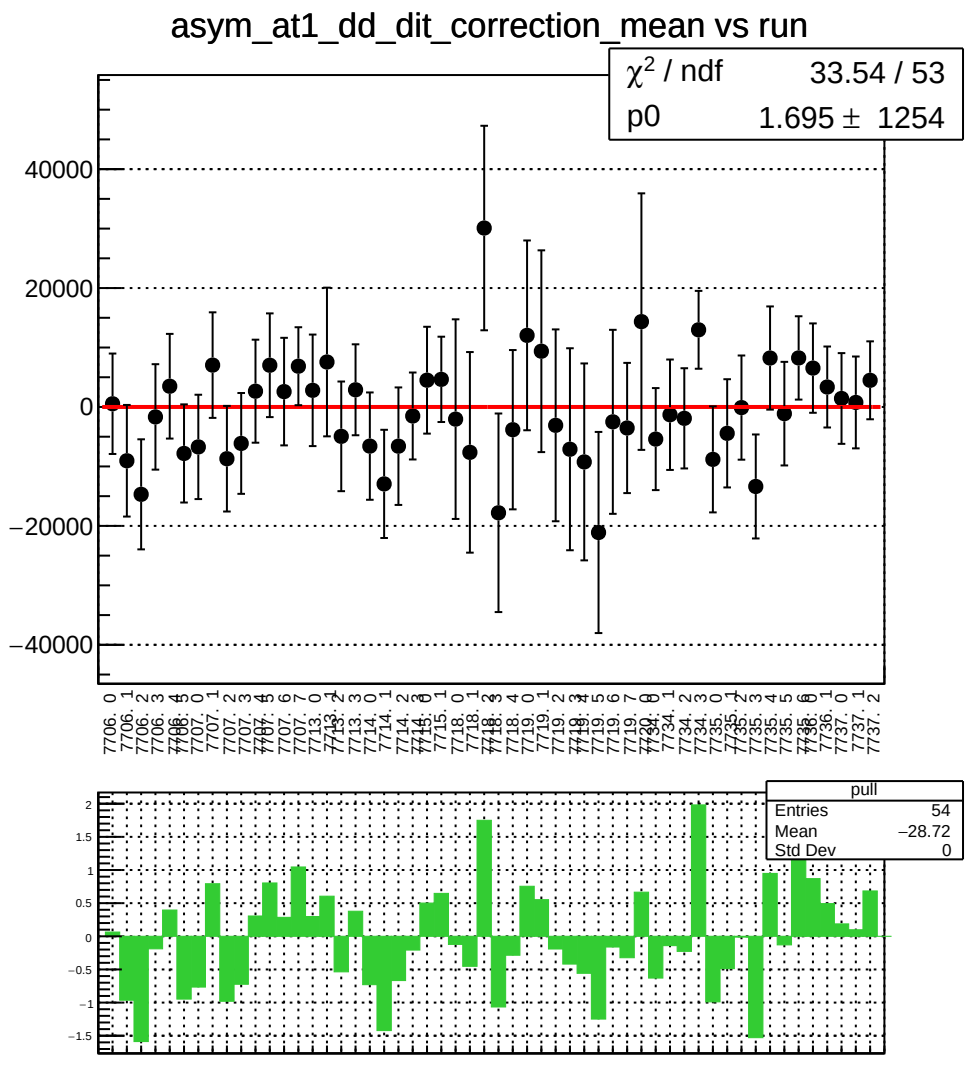

pull1D
Entries 54
Mean −0.04502
Std Dev 0.7629
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

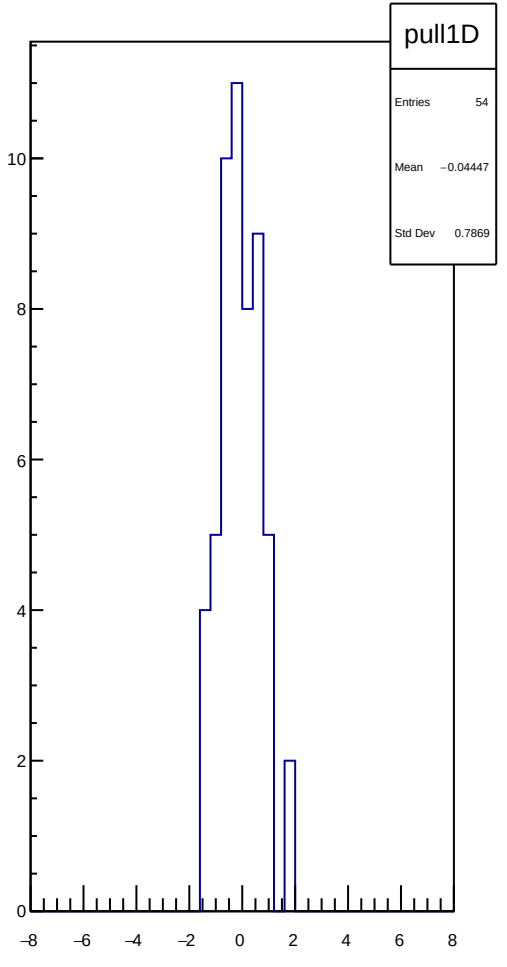

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.873e+04 / 53
p0 889.1 ± 0.8921
1800
1600
1400
1200
1000
800

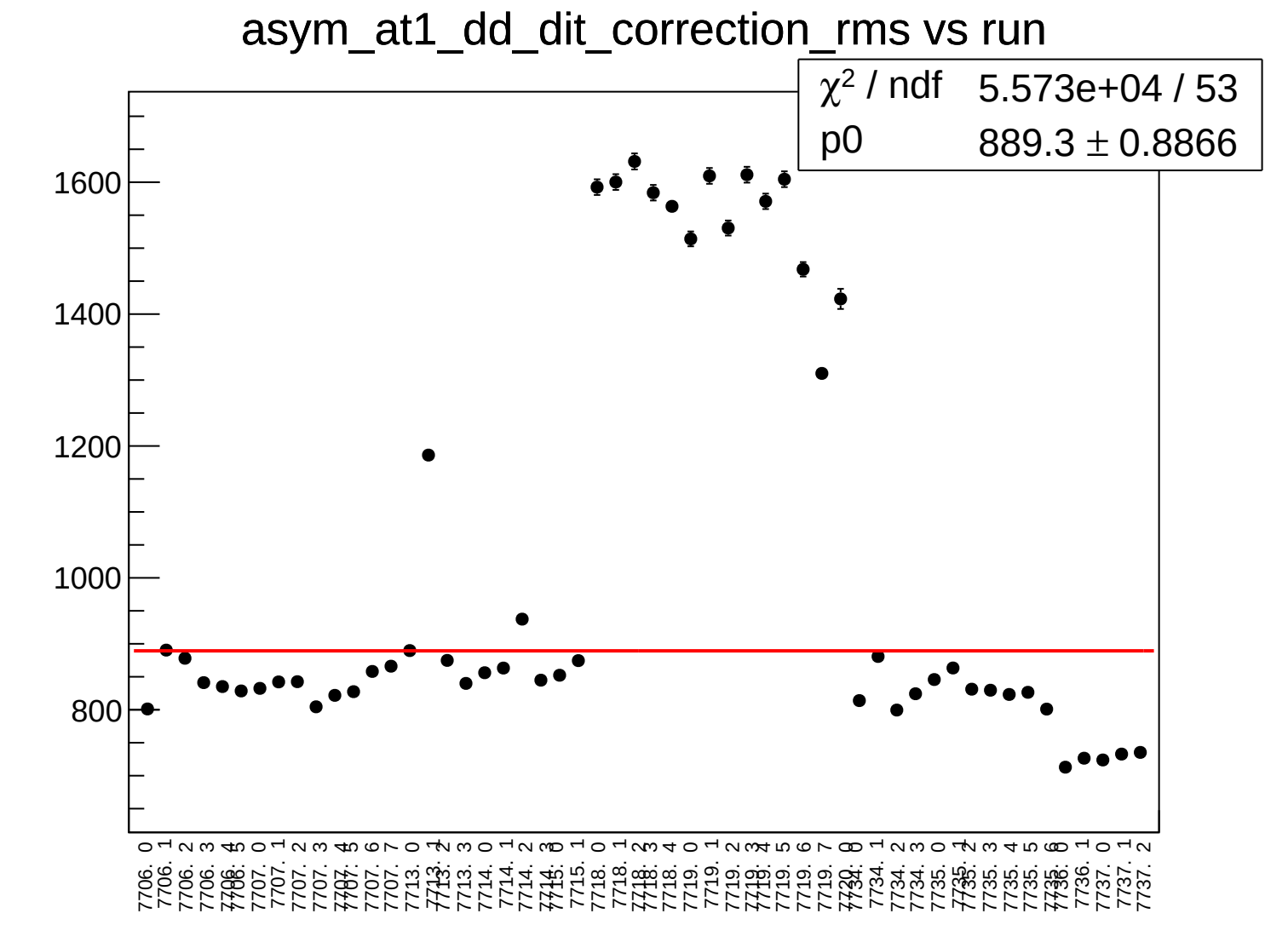

dit_asym_at1_dd_mean vs run
χ² / ndf 65.74 / 53
p0 −3108 ± 2481
pull
Entries 54
Mean 1707
Std Dev 0

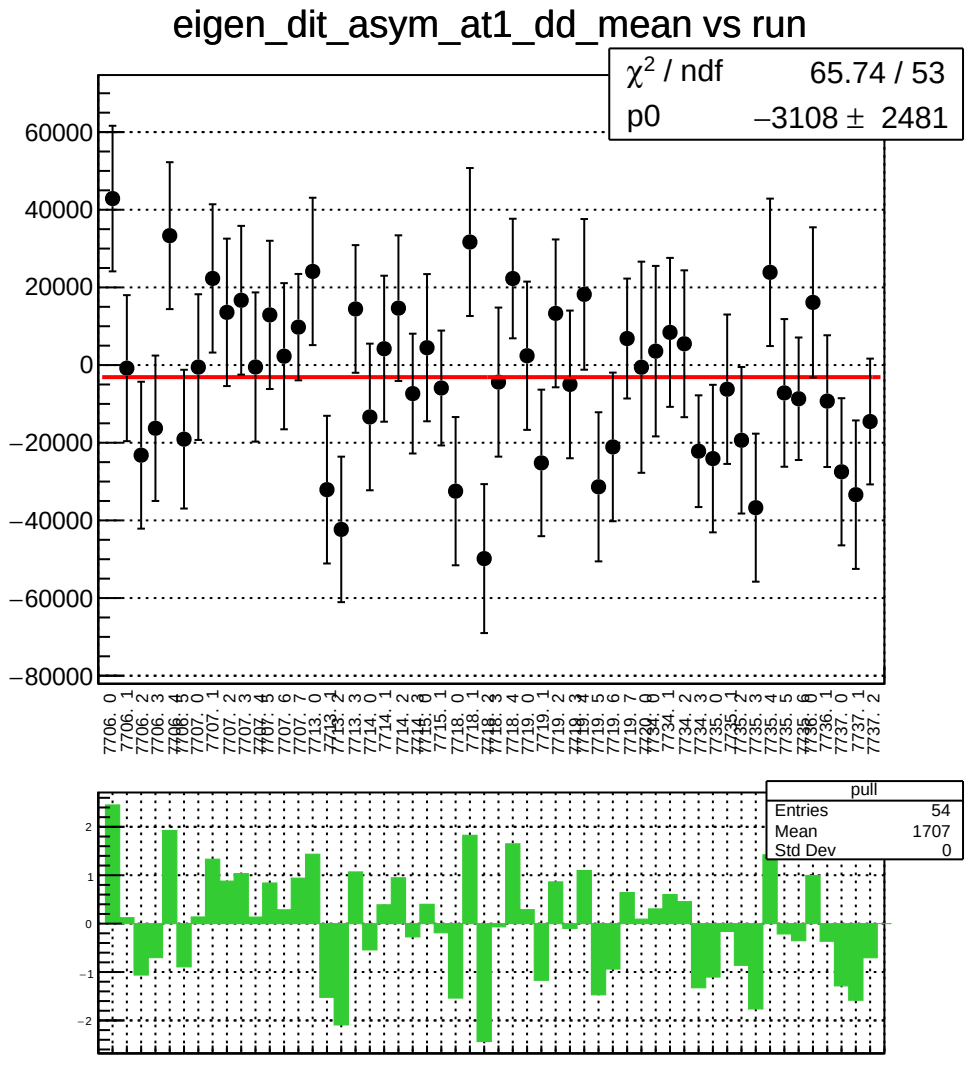

pull1D
Entries 54
Mean −0.002955
Std Dev 1.103

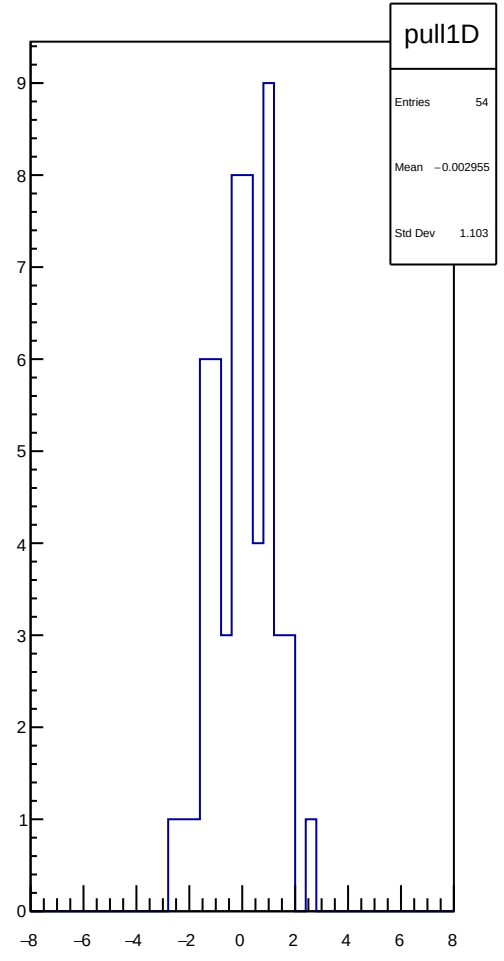

dit_asym_at1_dd_rms vs run
χ² / ndf 398.4 / 53
p0 1808 ± 1.754
2100
2050
2000
1950
1900
1850
1800
1750

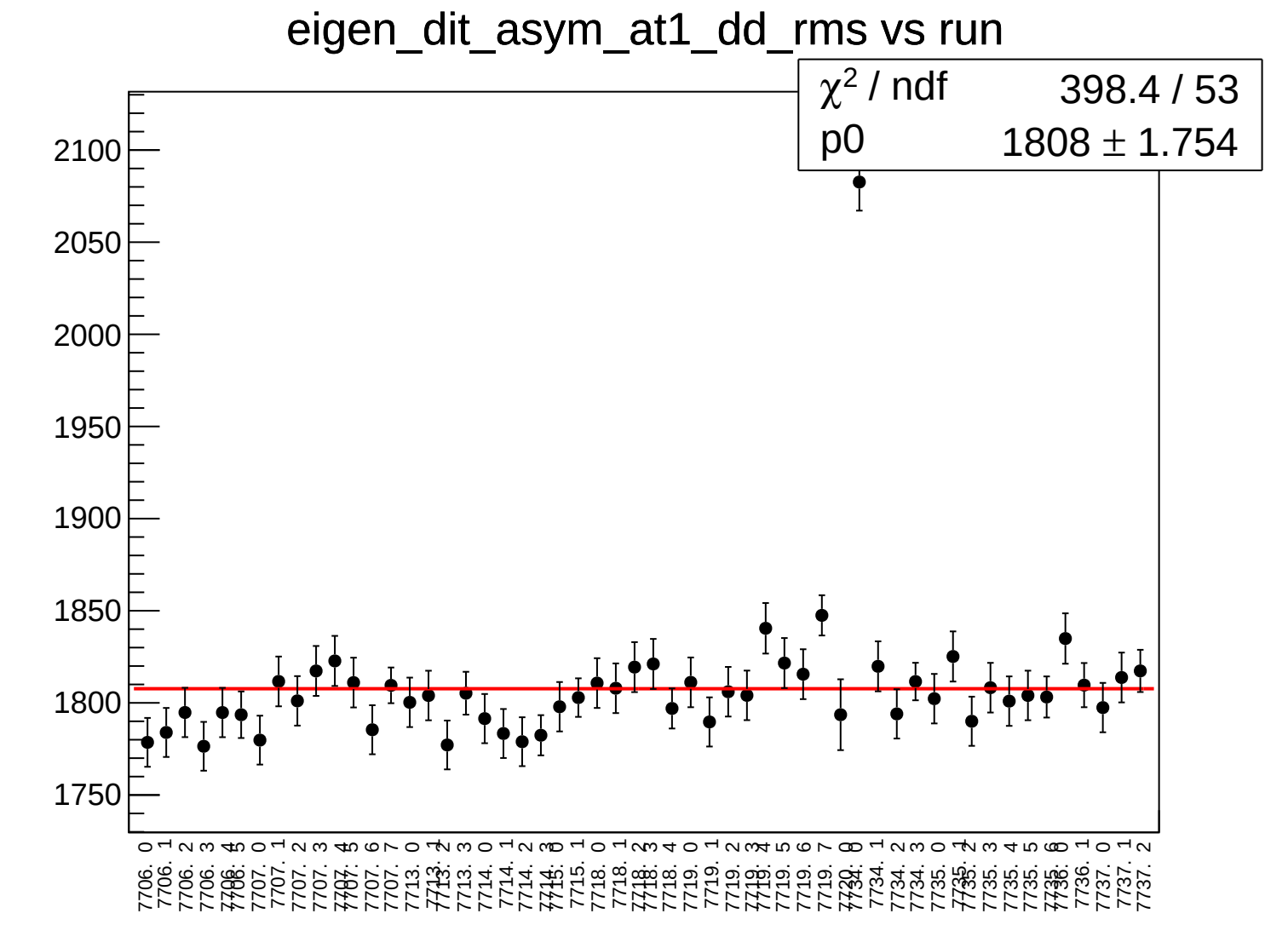

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 33.54 / 53
p0 1.695 ± 1254
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −28.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

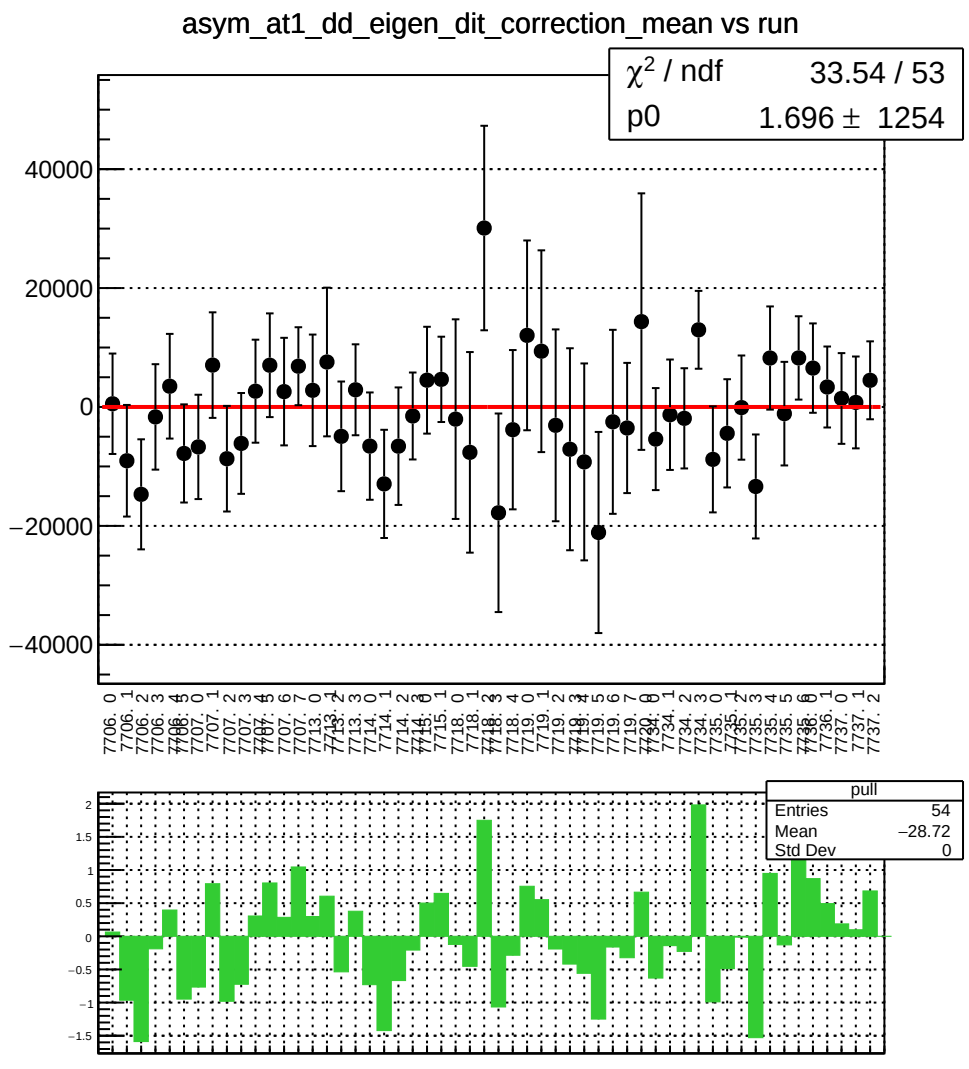

pull1D
Entries 54
Mean −0.04447
Std Dev 0.7869
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

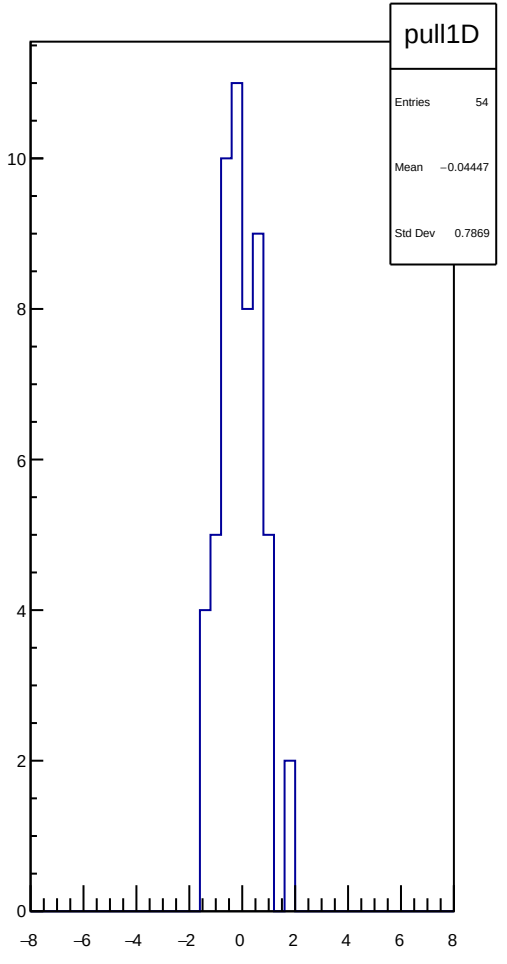

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 5.573e+04 / 53
p0 889.3 ± 0.8866
1600
1400
1200
1000
800

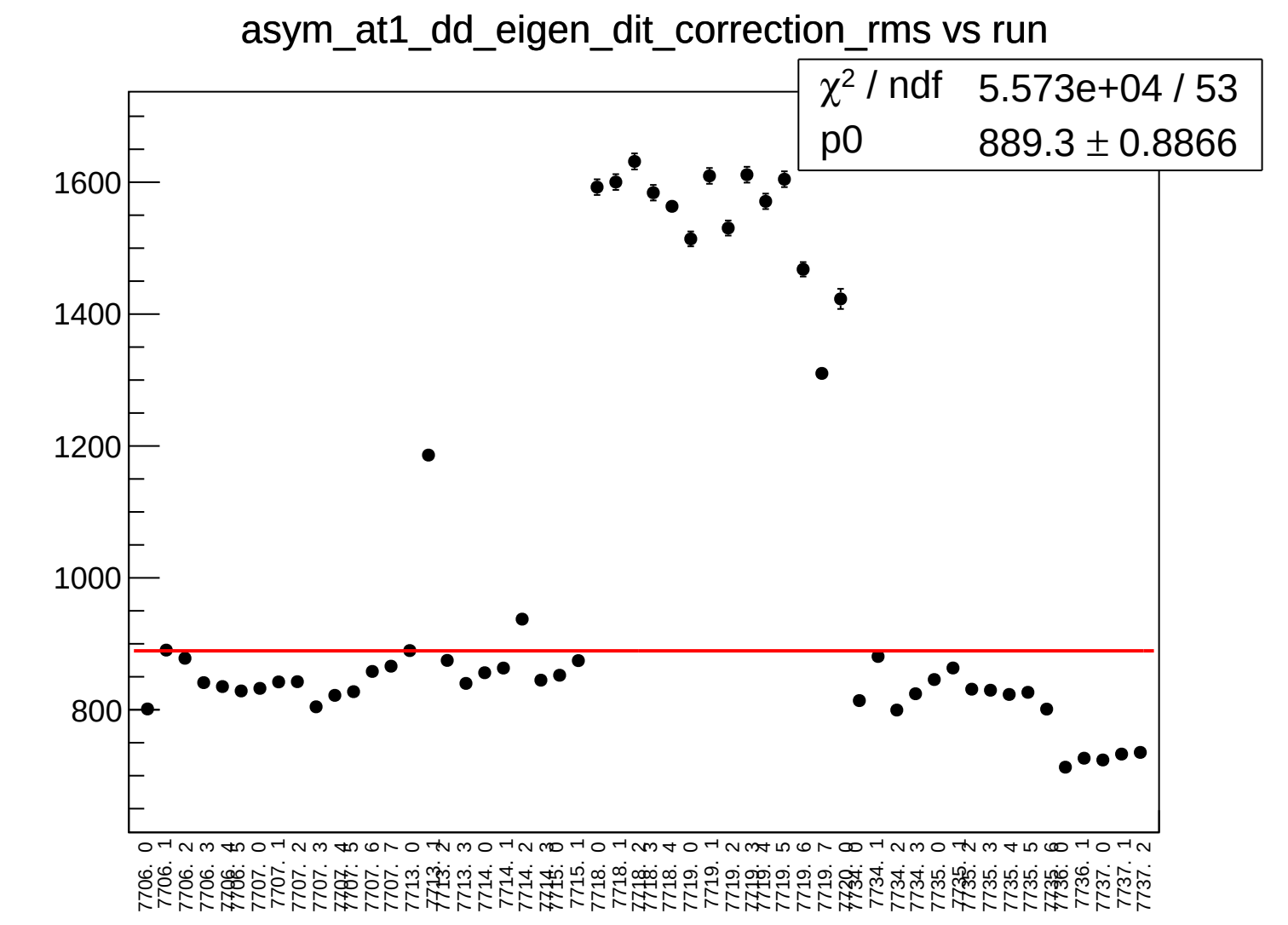

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 65.74 / 53
p0 −3108 ± 2481
pull
Entries 54
Mean 1707
Std Dev 0

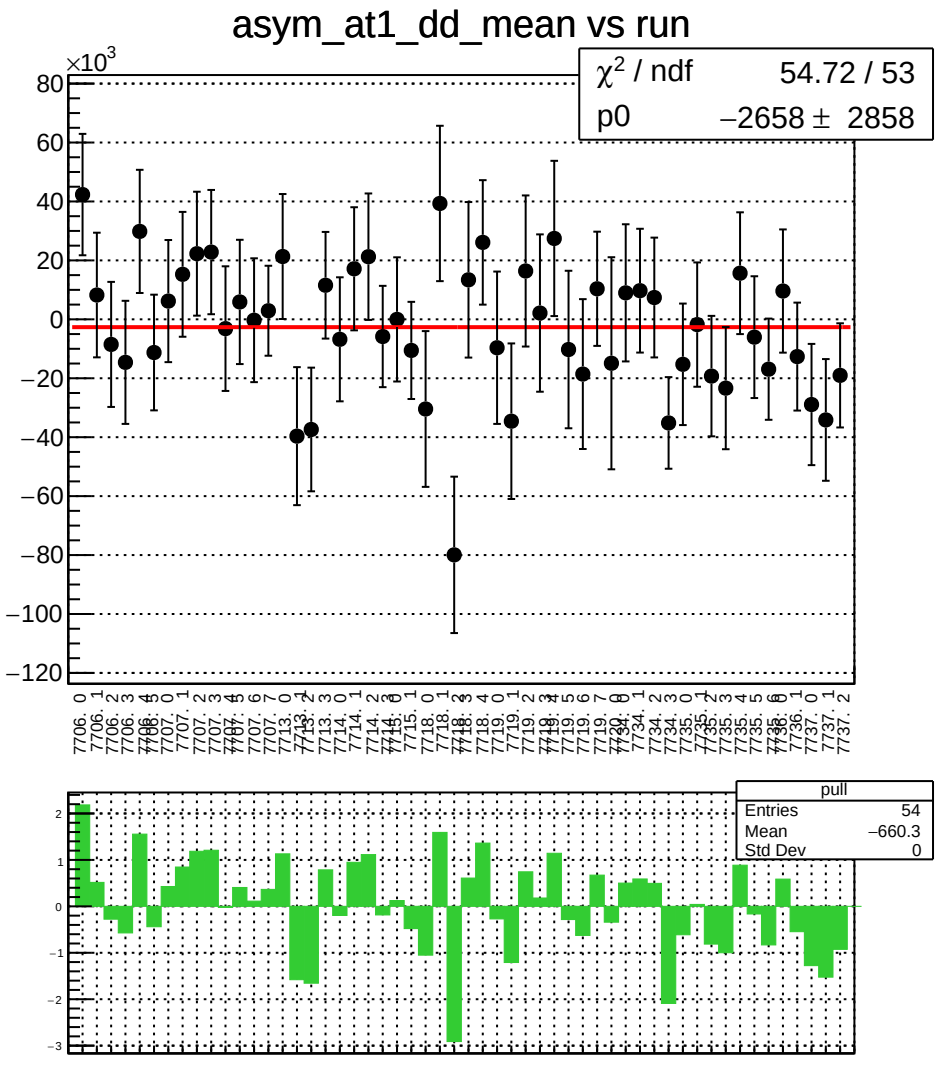

pull1D
Entries 54
Mean −0.002955
Std Dev 1.103

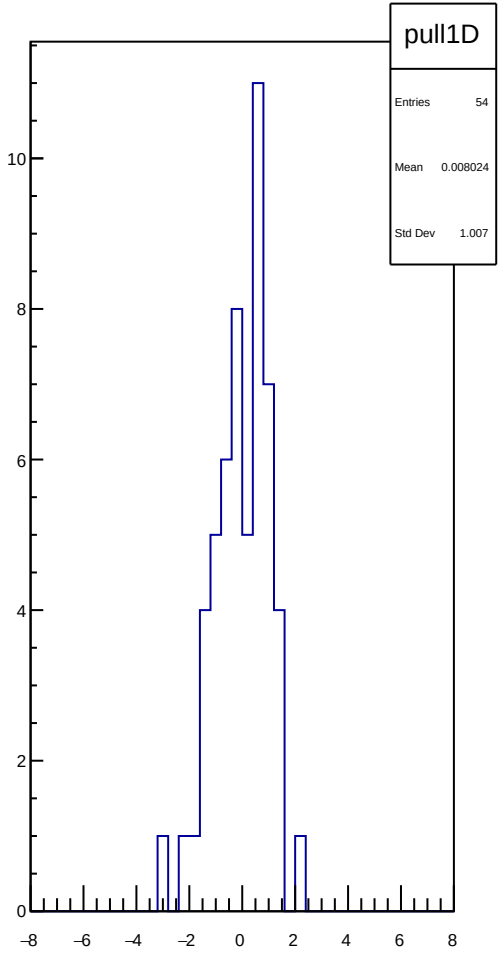

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 398.4 / 53
p0 1808 ± 1.754
2100
2050
2000
1950
1900
1850
1800
1750

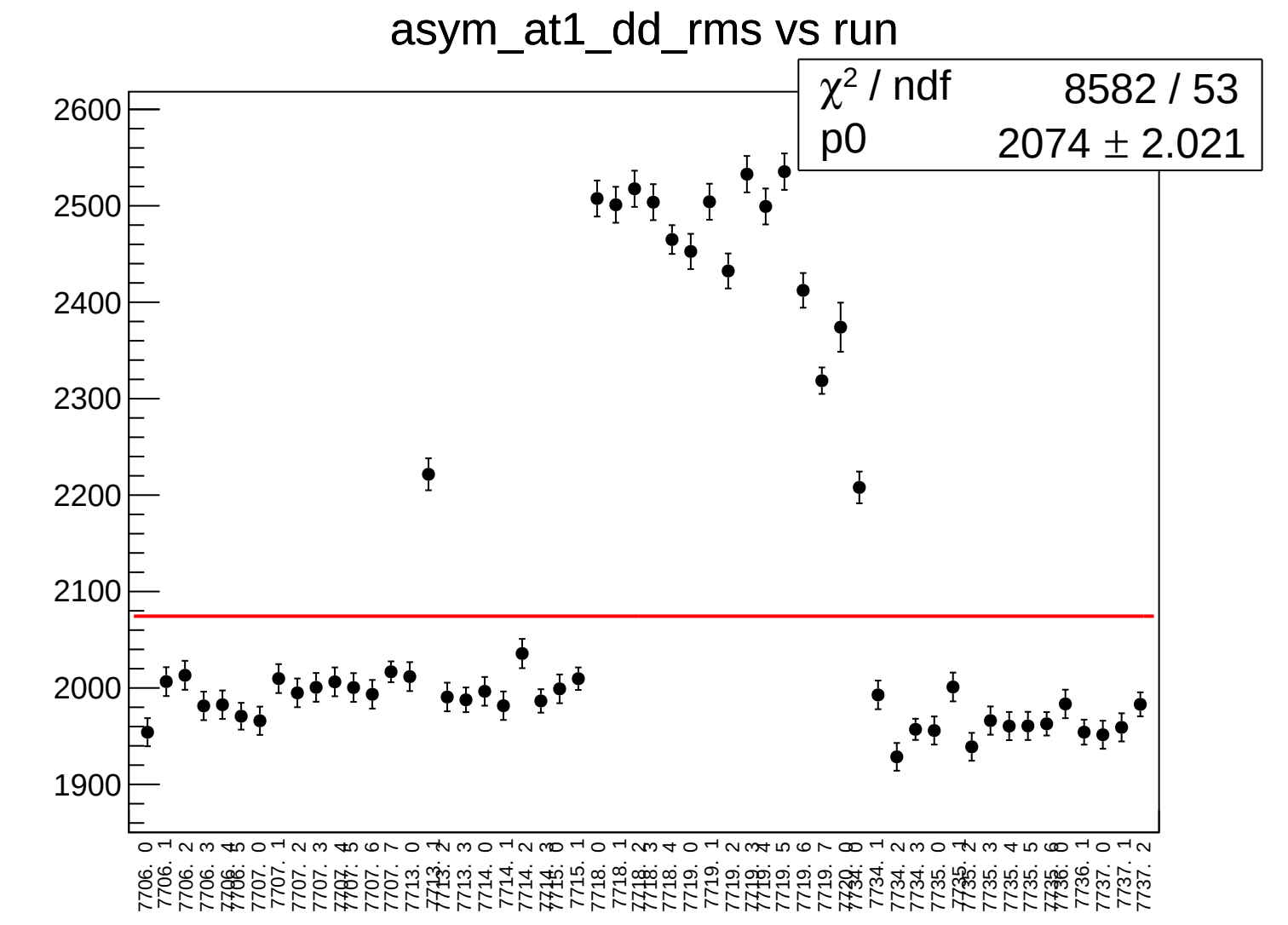

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.54 / 53
p0 1.696 ± 1254
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −28.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

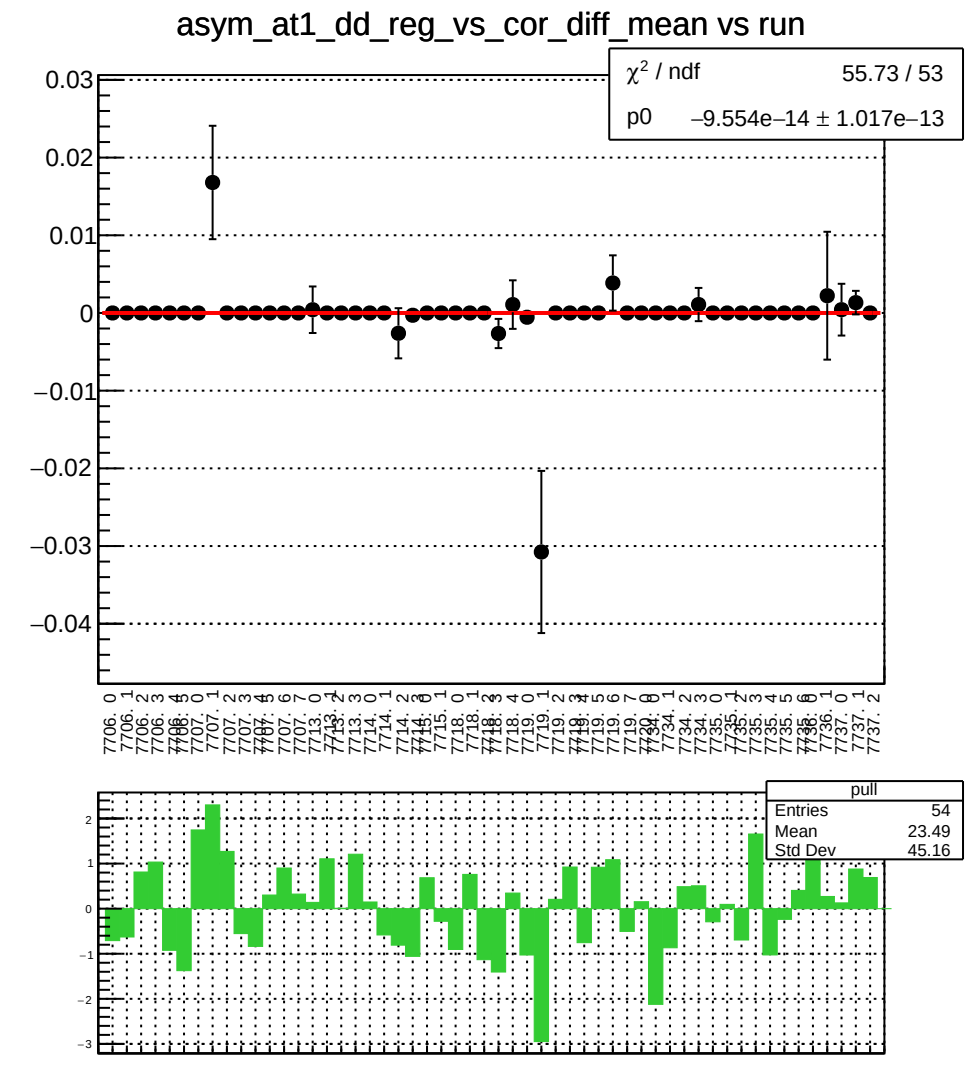

pull1D
Entries 54
Mean −0.04447
Std Dev 0.7869
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

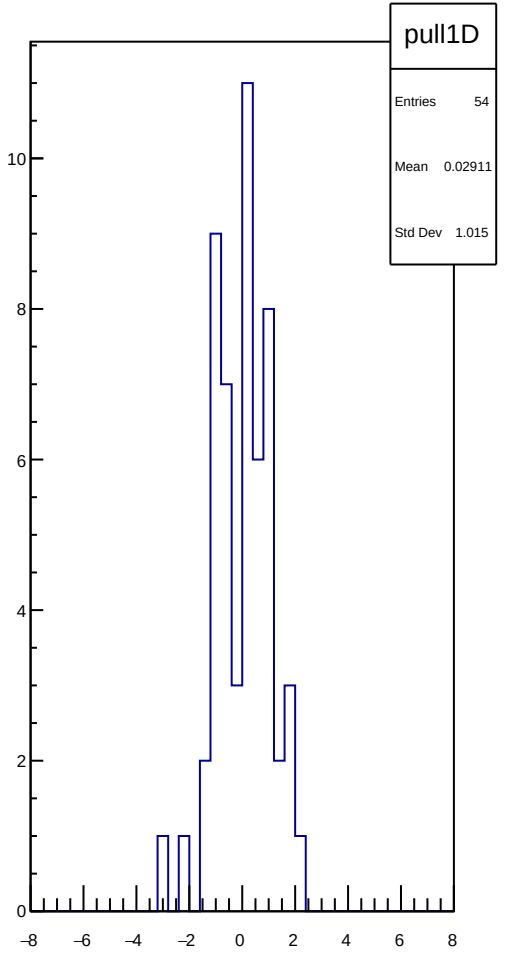

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.573e+04 / 53
p0 889.3 ± 0.8866
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

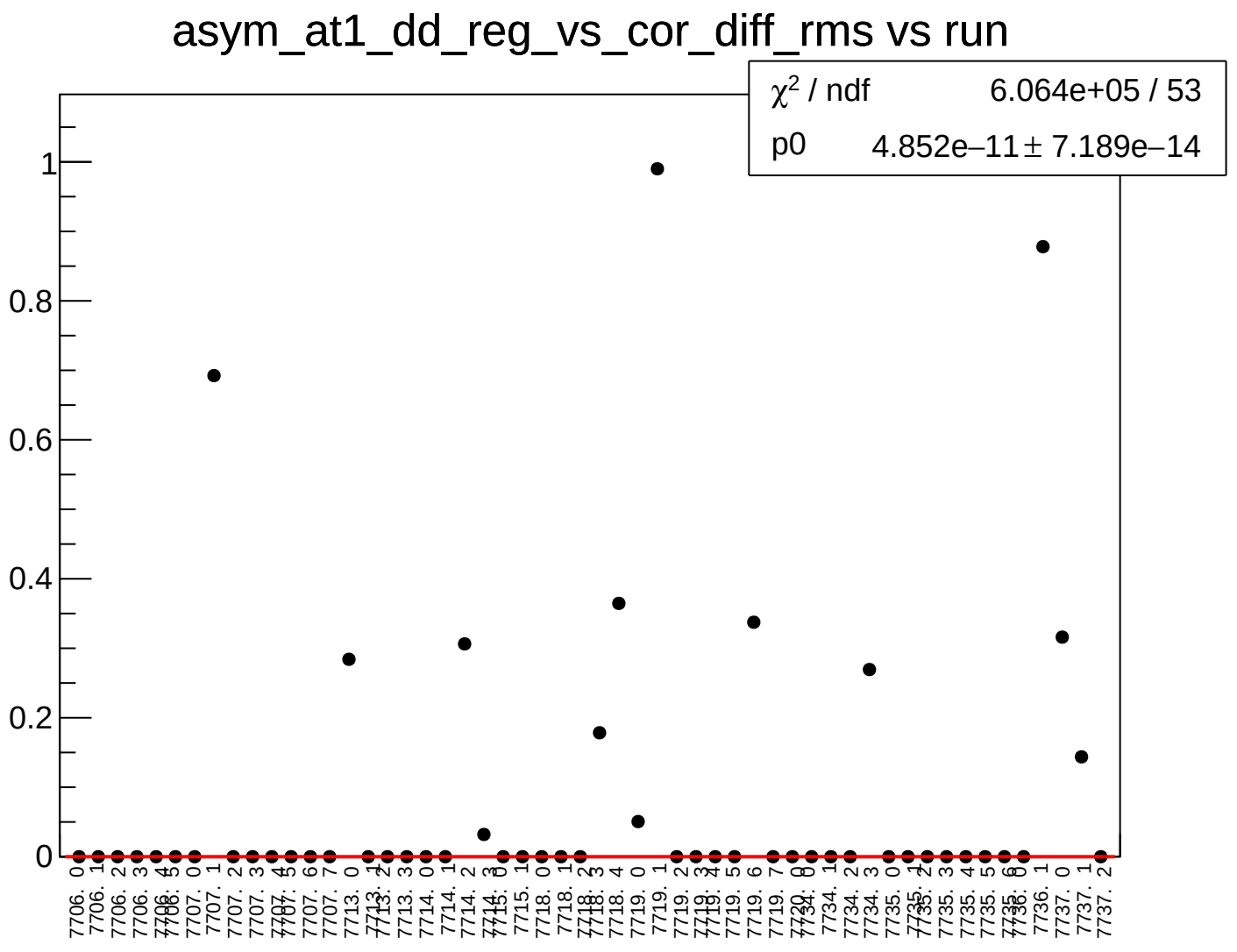

asym_at1_dd_mean vs run
×10^3
χ² / ndf 54.72 / 53
p0 −2658 ± 2858
pull
Entries 54
Mean −660.3
Std Dev 0

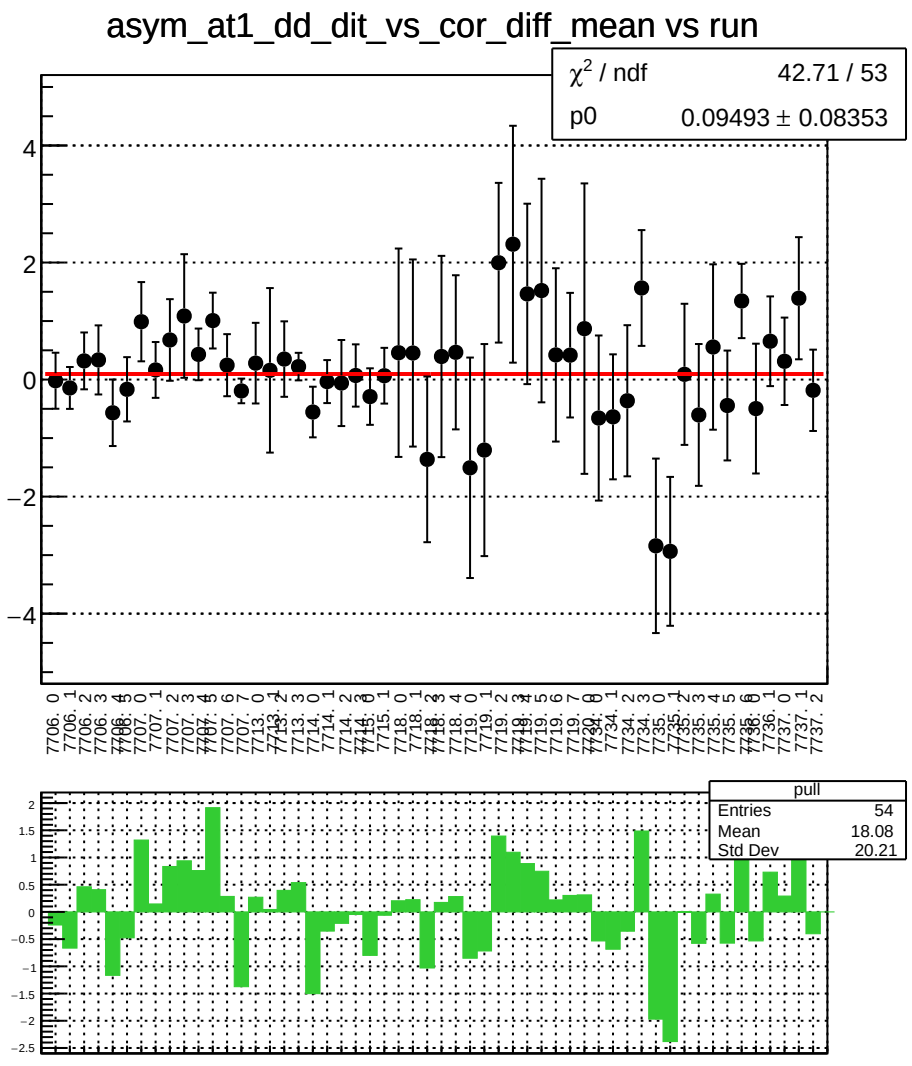

pull1D
Entries 54
Mean 0.008024
Std Dev 1.007

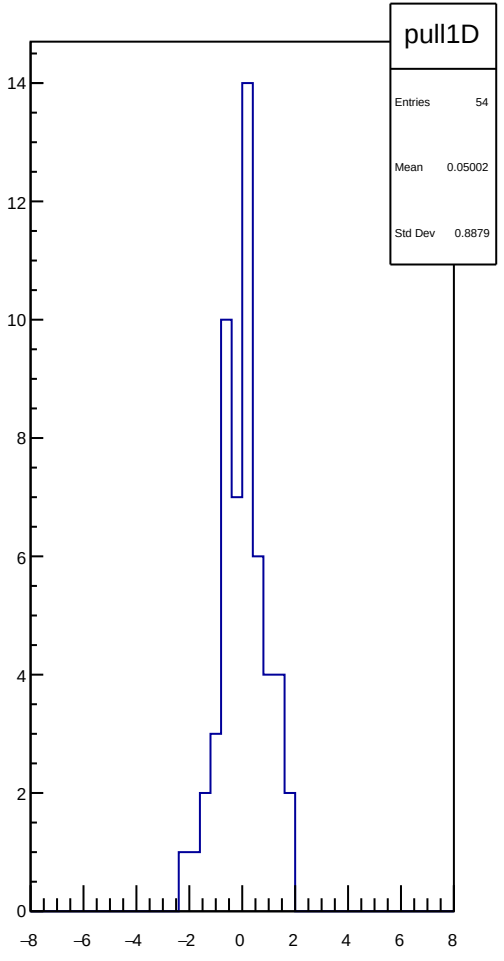

asym_at1_dd_rms vs run
χ² / ndf 8582 / 53
p0 2074 ± 2.021
2600
2500
2400
2300
2200
2100
2000
1900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

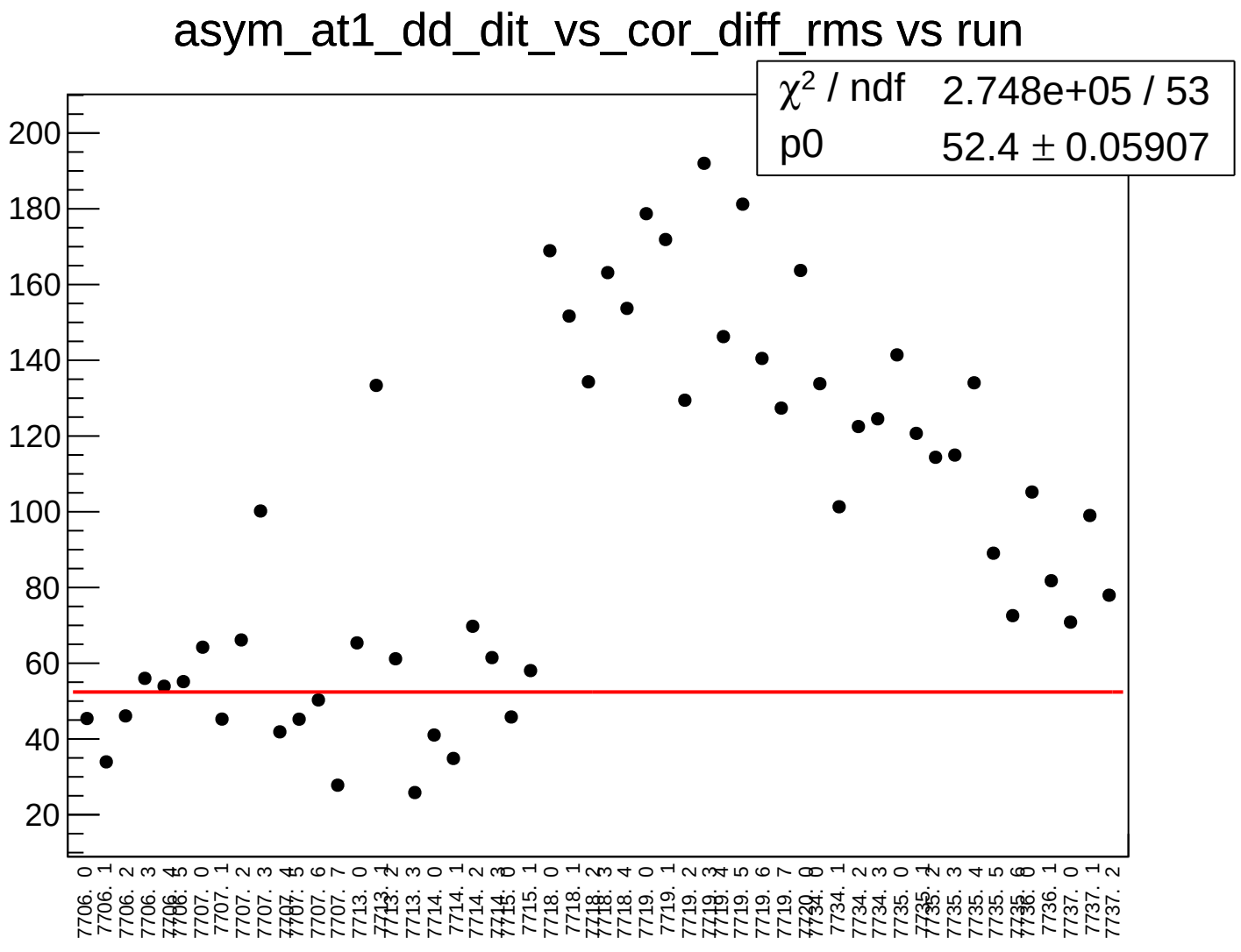

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.73 / 53
p0 −9.554e−14 ± 1.017e−13
pull
Entries 54
Mean 23.49
Std Dev 45.16

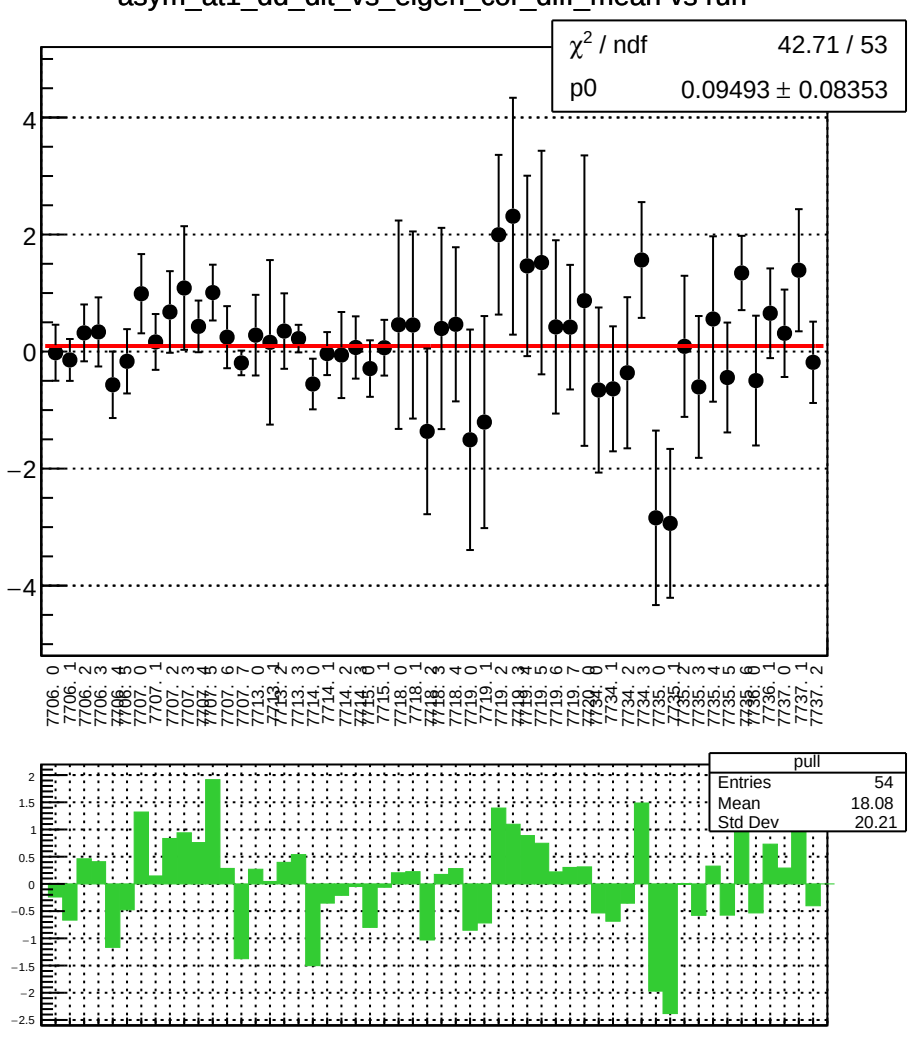

pull1D
Entries 54
Mean 0.02911
Std Dev 1.015

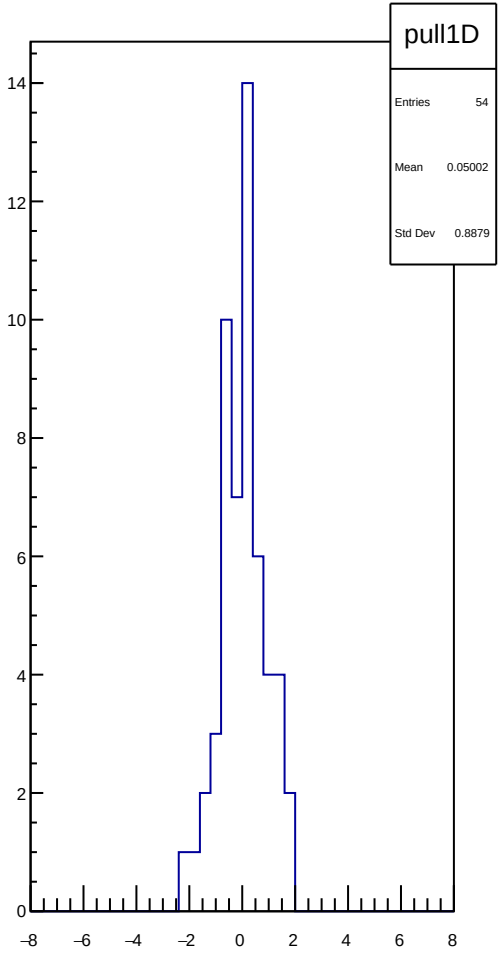

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.064e+05 / 53
p0 4.852e−11 ± 7.189e−14
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

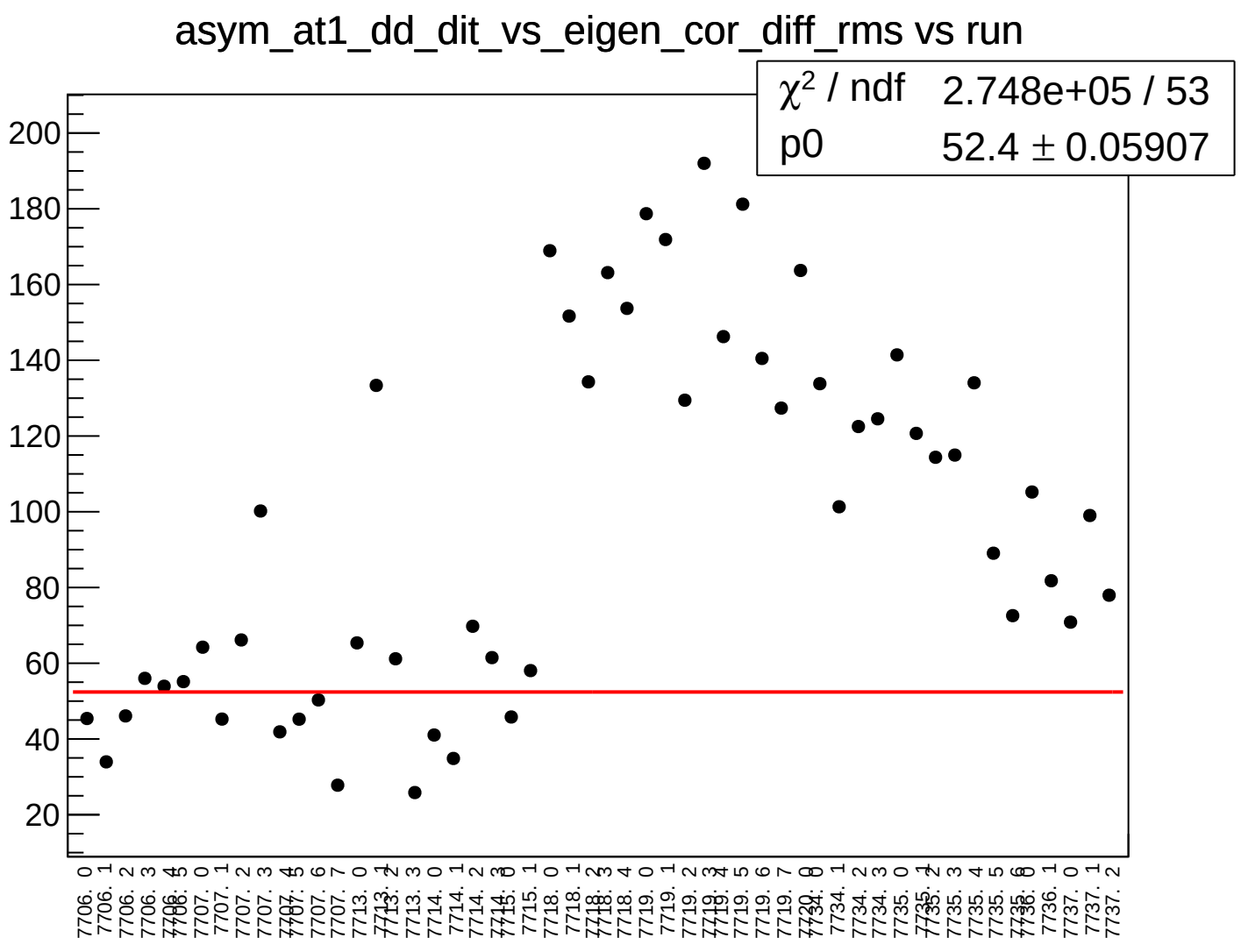

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.71 / 53
p0 0.09493 ± 0.08353
pull
Entries 54
Mean 18.08
Std Dev 20.21

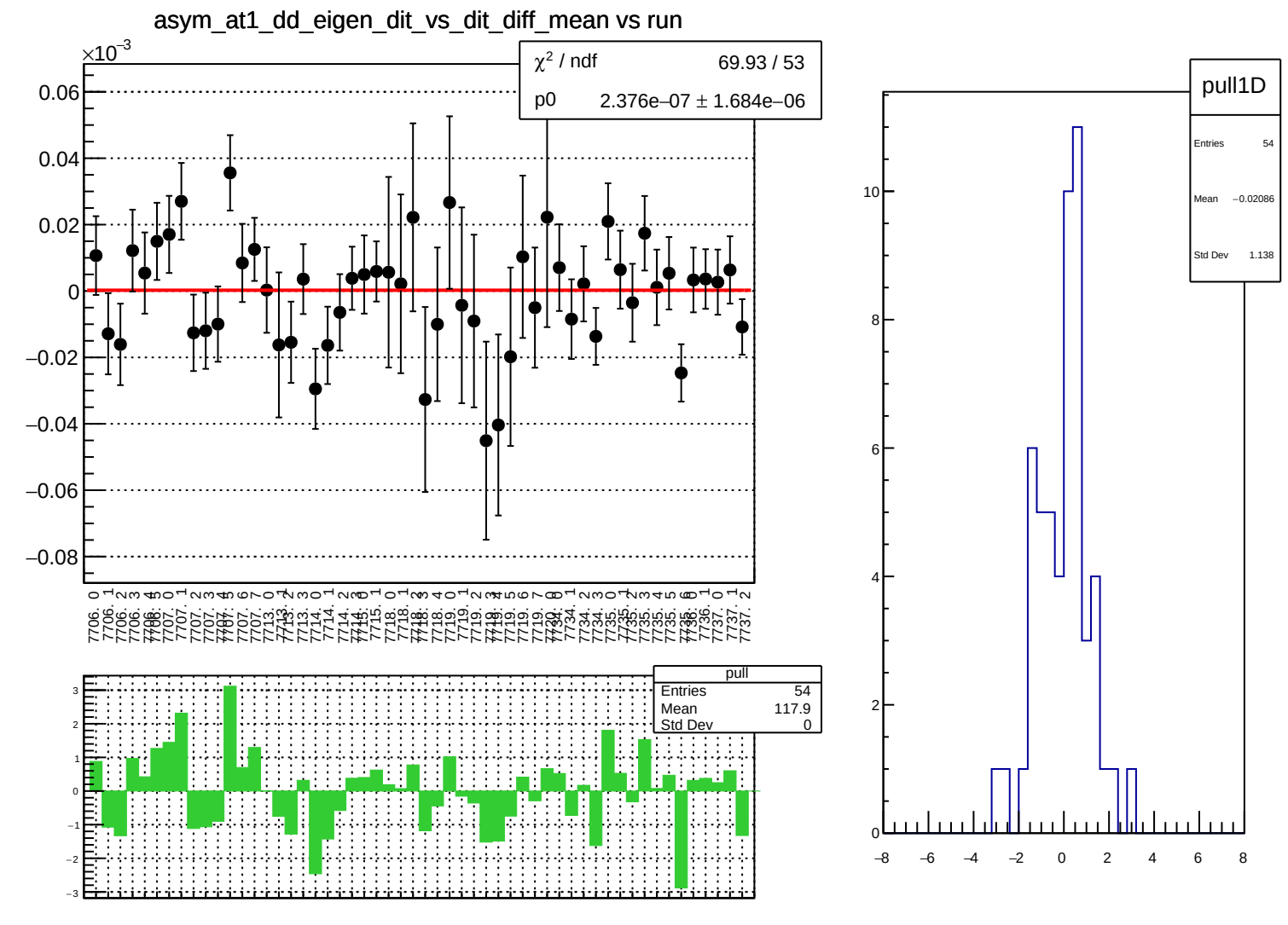

pull1D
Entries 54
Mean 0.05002
Std Dev 0.8879

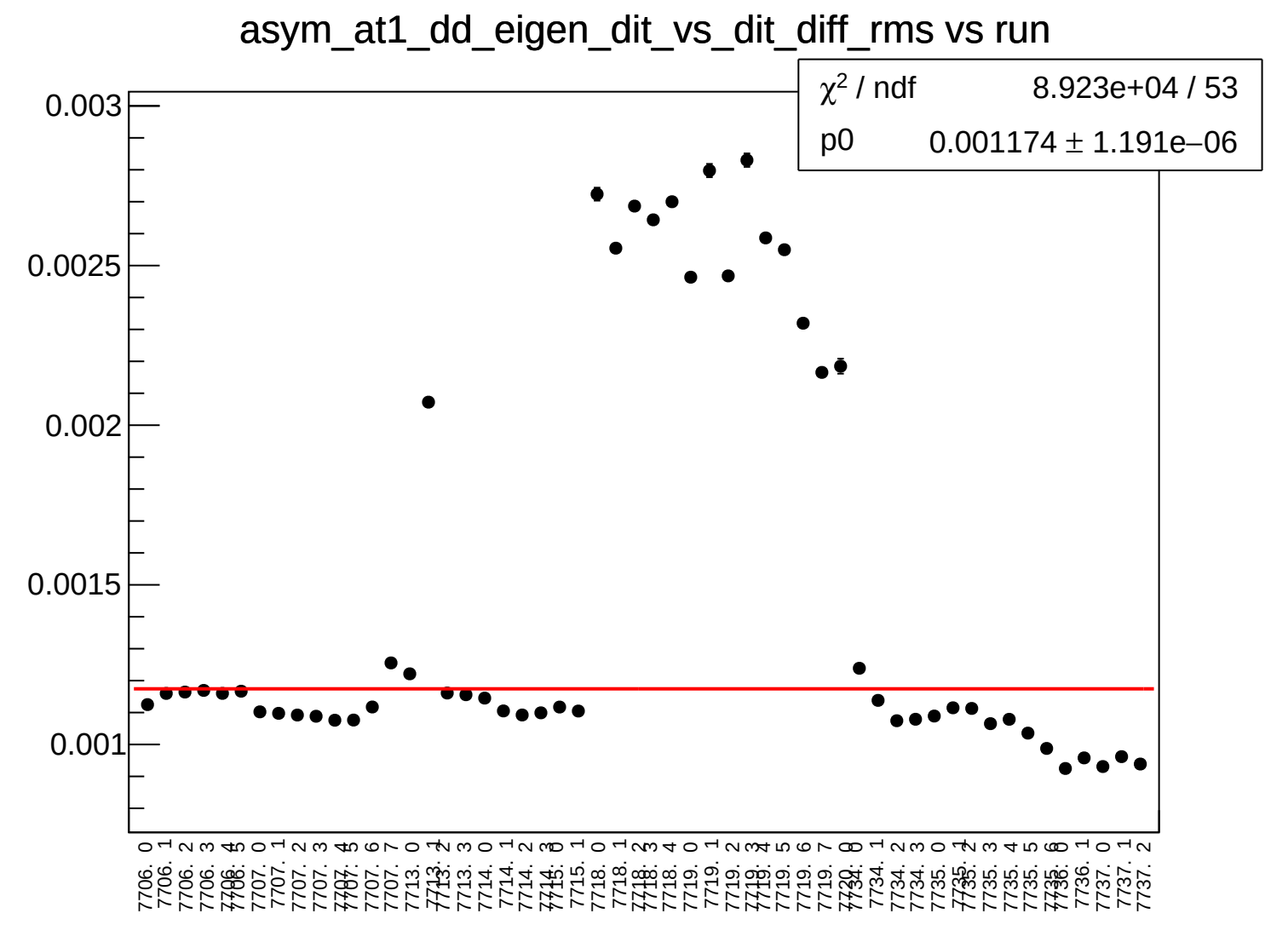

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.748e+05 / 53
p0 52.4 ± 0.05907
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

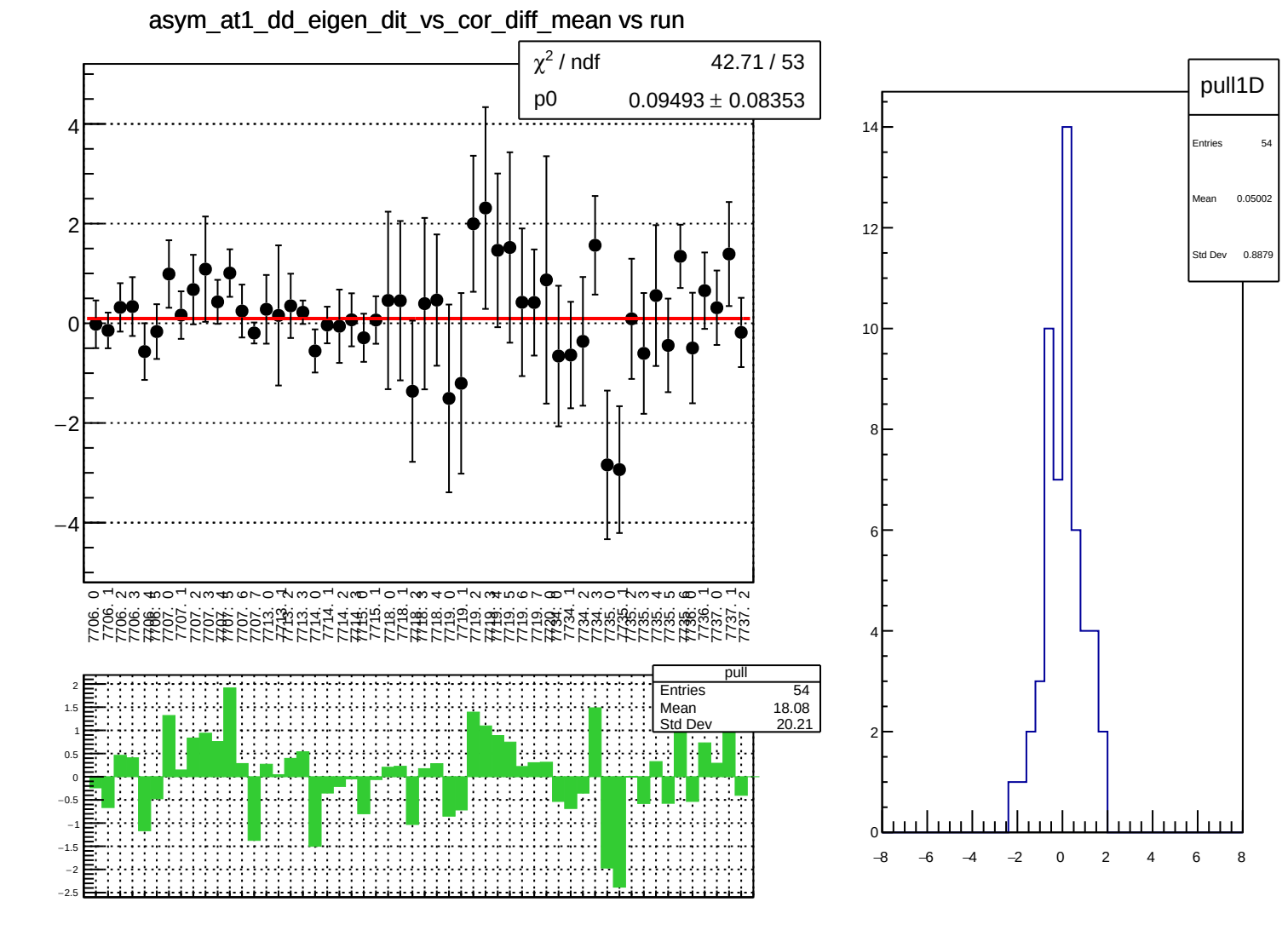

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.71 / 53
p0 0.09493 ± 0.08353
pull
Entries 54
Mean 18.08
Std Dev 20.21

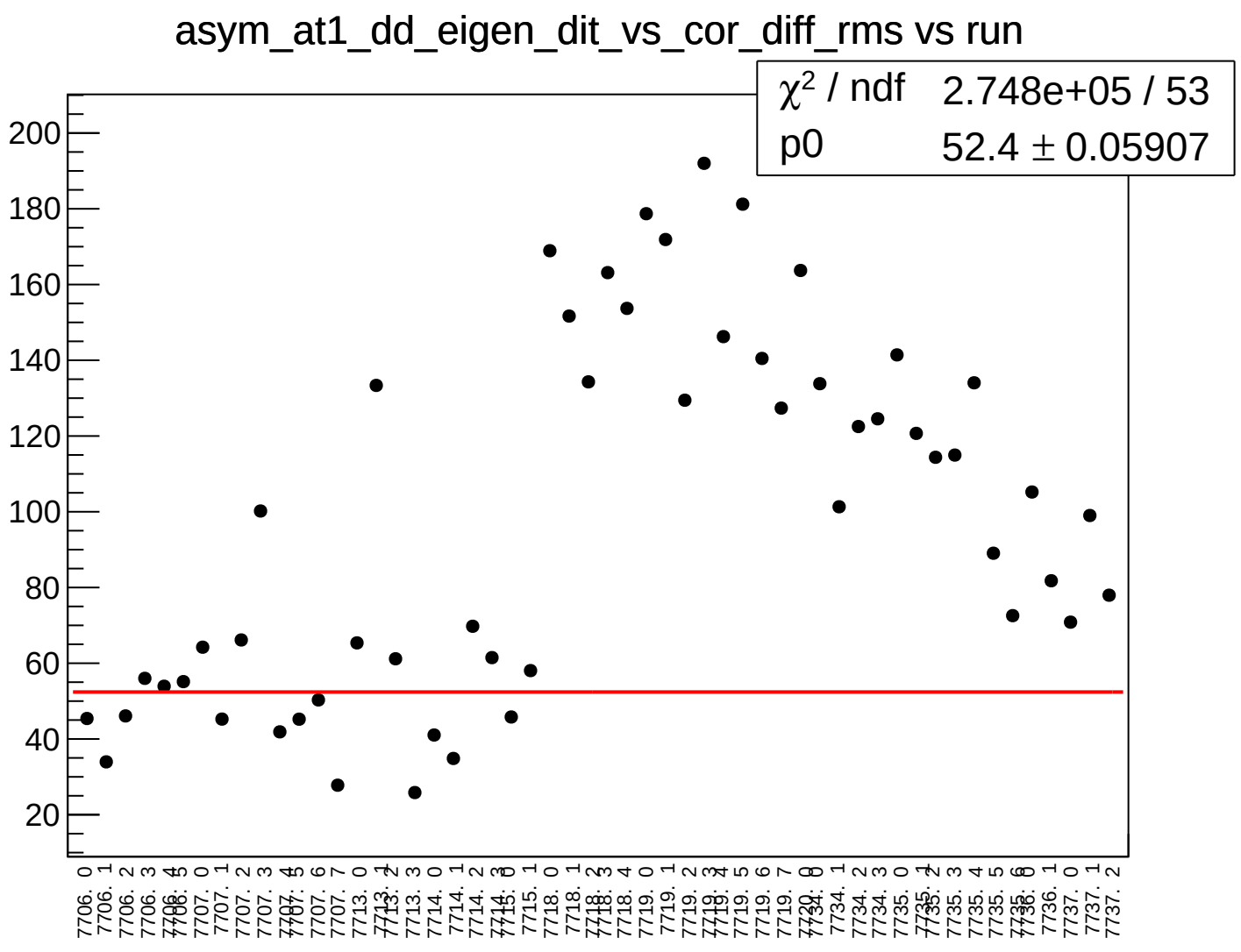

pull1D
Entries 54
Mean 0.05002
Std Dev 0.8879

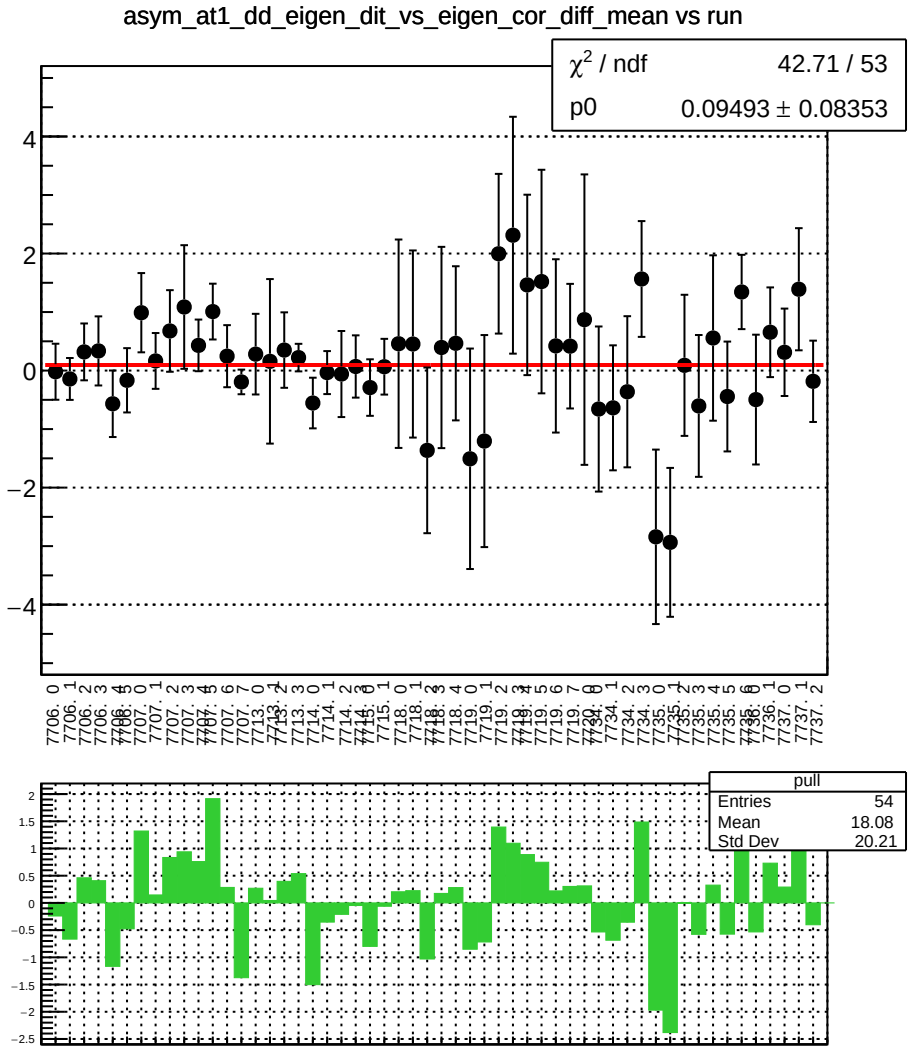

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.748e+05 / 53
p0 52.4 ± 0.05907
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

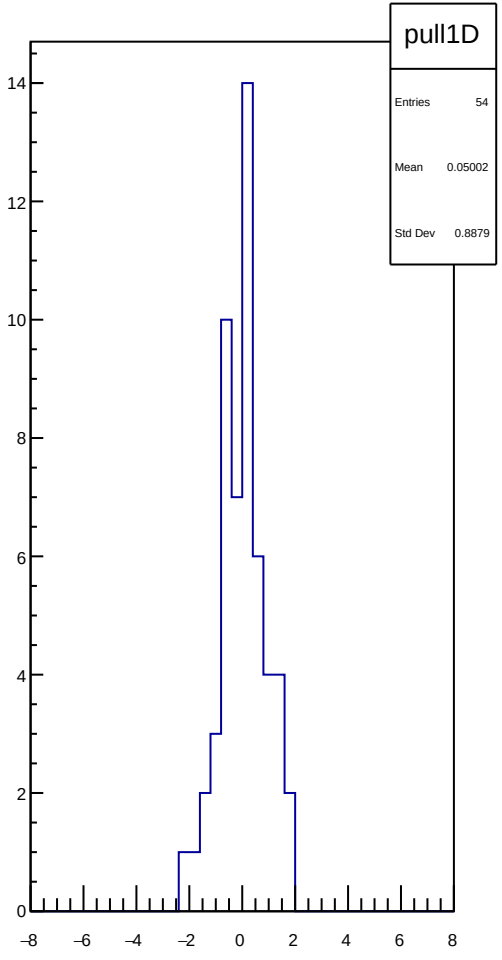

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.93 / 53
p0 2.376e−07 ± 1.684e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 54
Mean 117.9
Std Dev 0
pull1D
Entries 54
Mean −0.02086
Std Dev 1.138
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

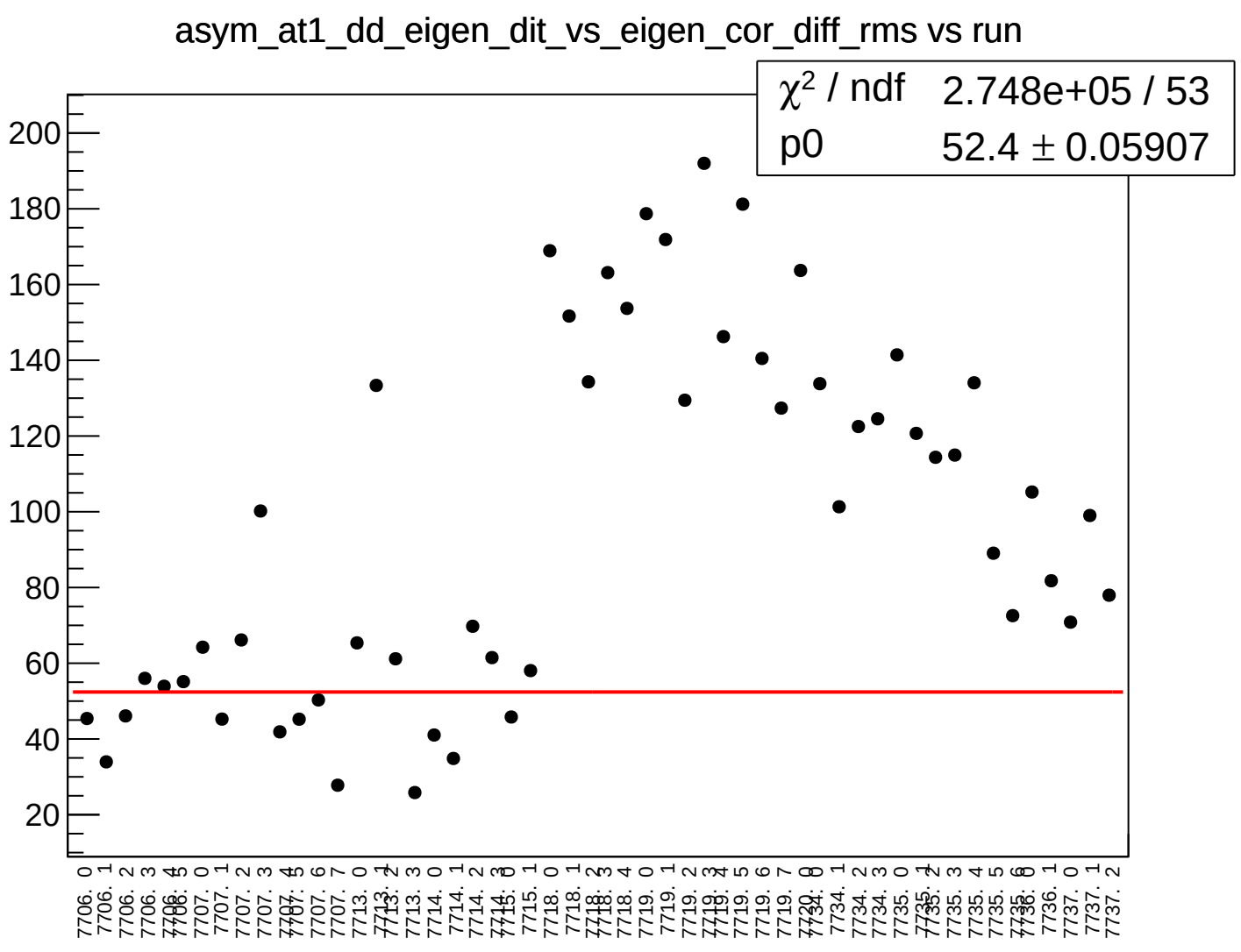

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.923e+04 / 53
p0 0.001174 ± 1.191e−06
0.003
0.0025
0.002
0.0015
0.001

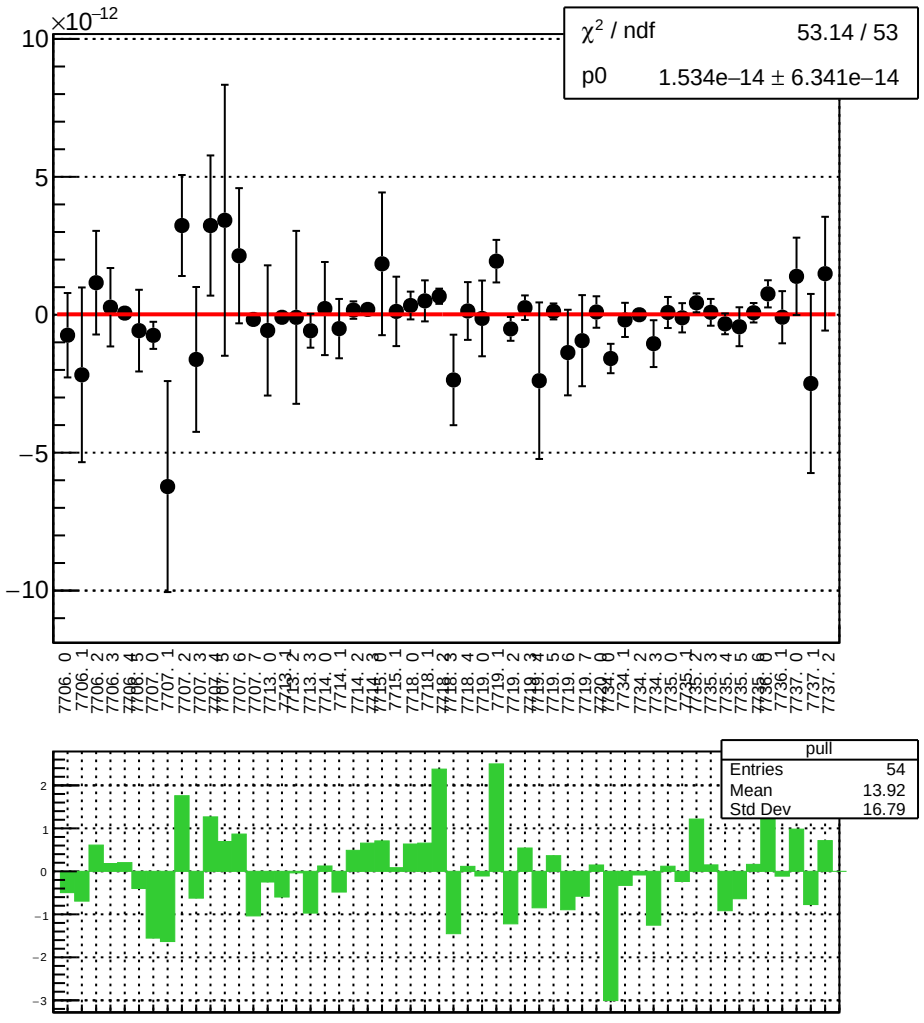

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.71 / 53
p0 0.09493 ± 0.08353
pull
Entries 54
Mean 18.08
Std Dev 20.21
pull1D
Entries 54
Mean 0.05002
Std Dev 0.8879

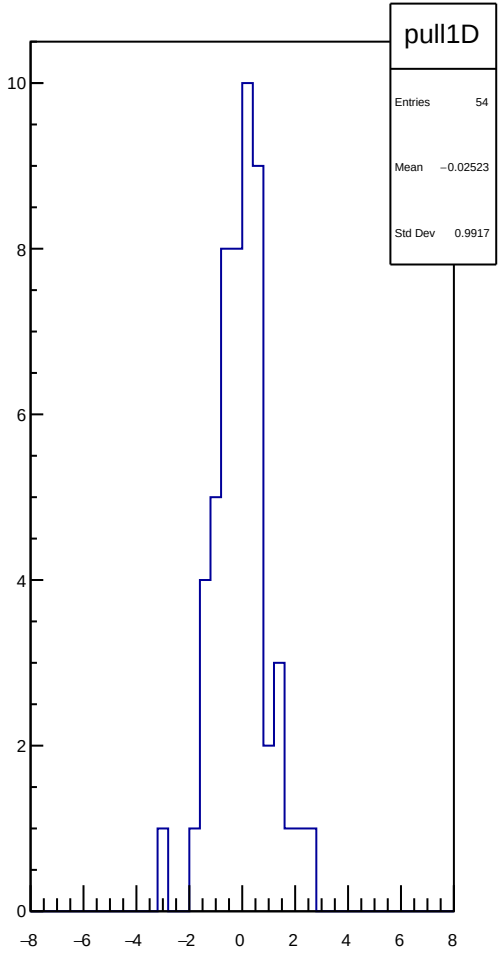

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.748e+05 / 53
p0 52.4 ± 0.05907
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

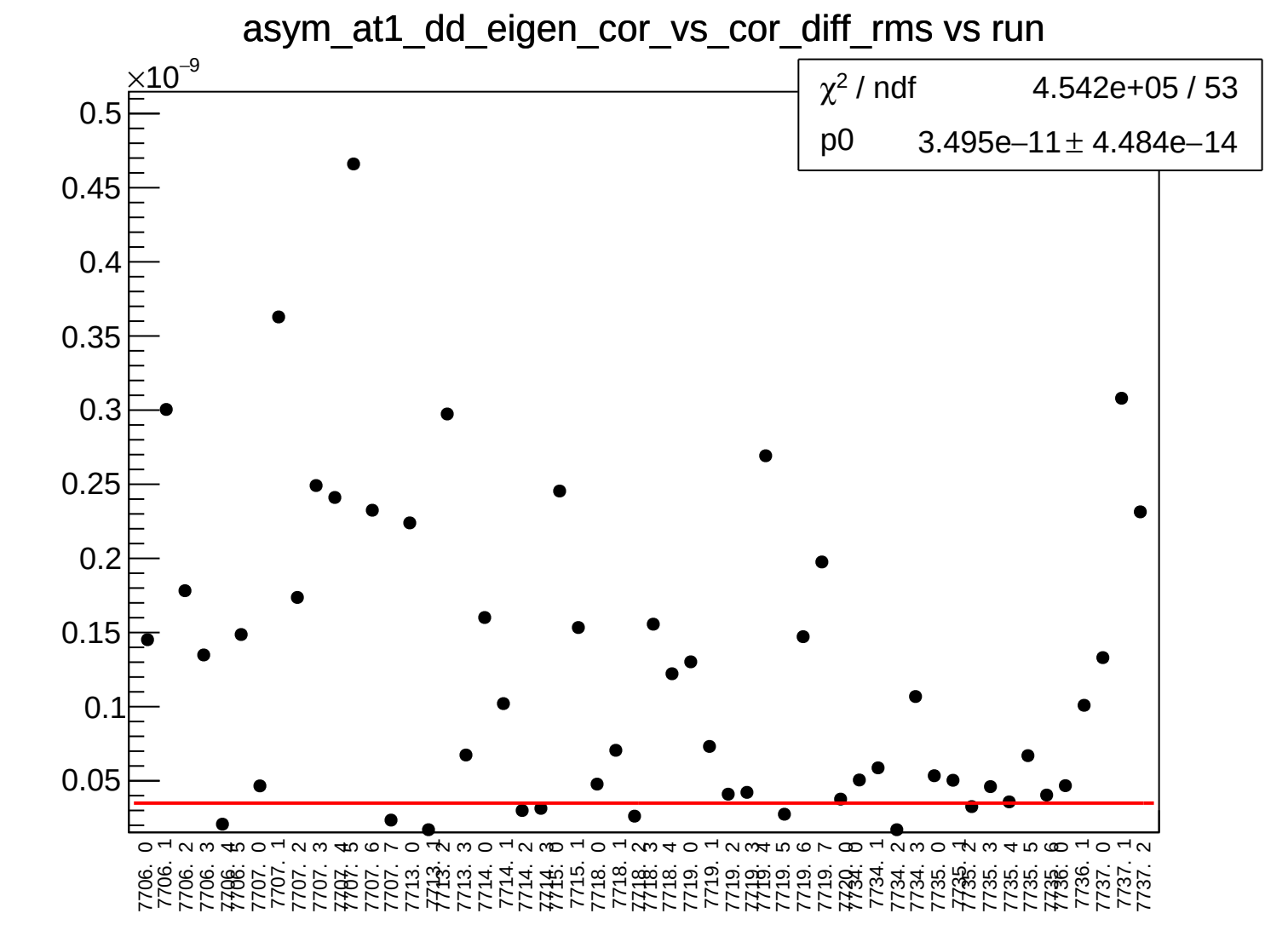

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.71 / 53
p0 0.09493 ± 0.08353
pull
Entries 54
Mean 18.08
Std Dev 20.21

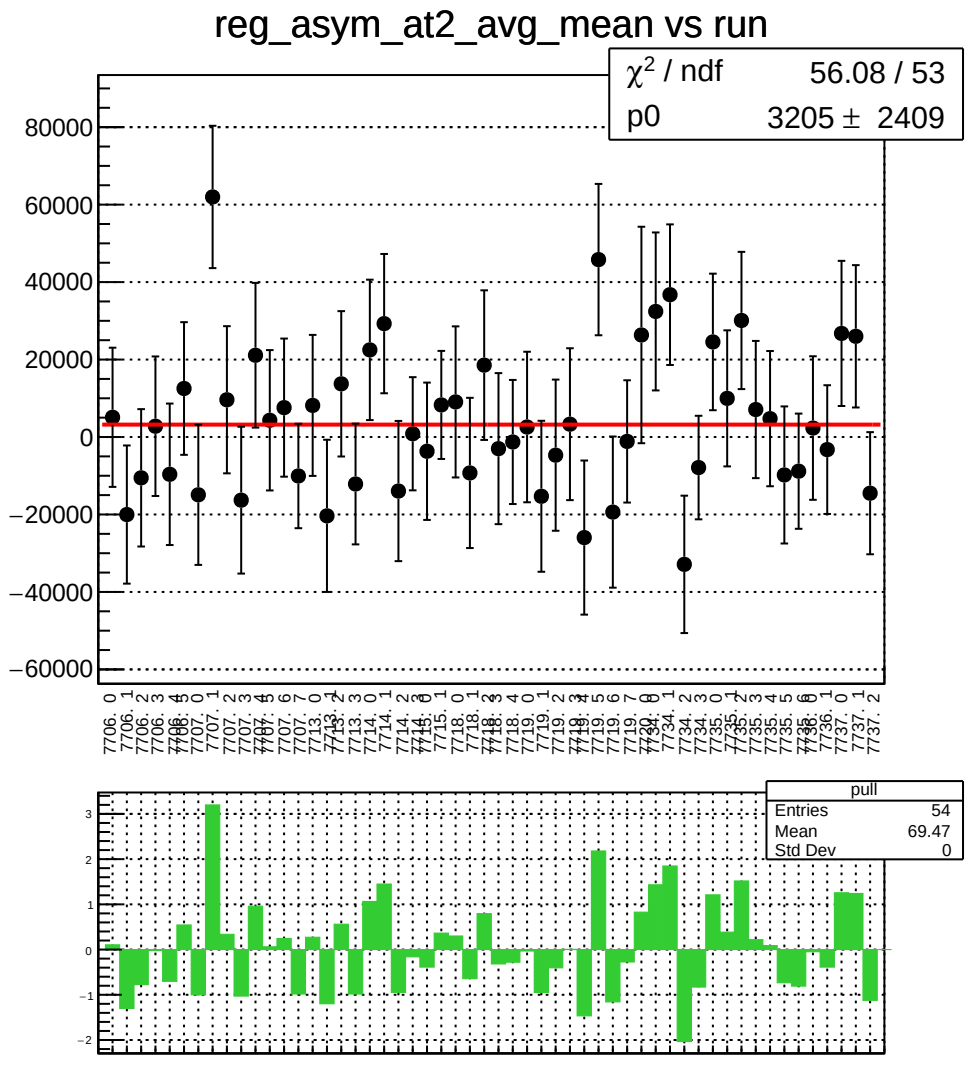

pull1D
Entries 54
Mean 0.05002
Std Dev 0.8879

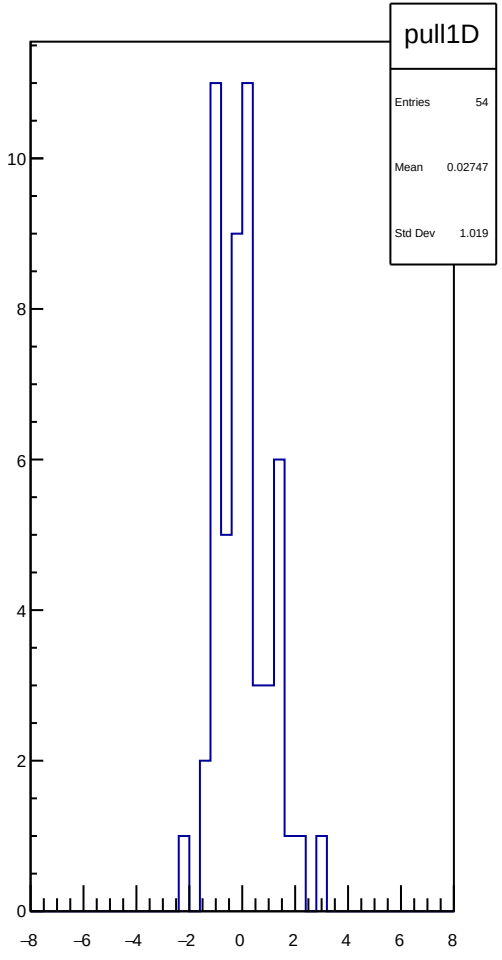

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.748e+05 / 53
p0 52.4 ± 0.05907
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

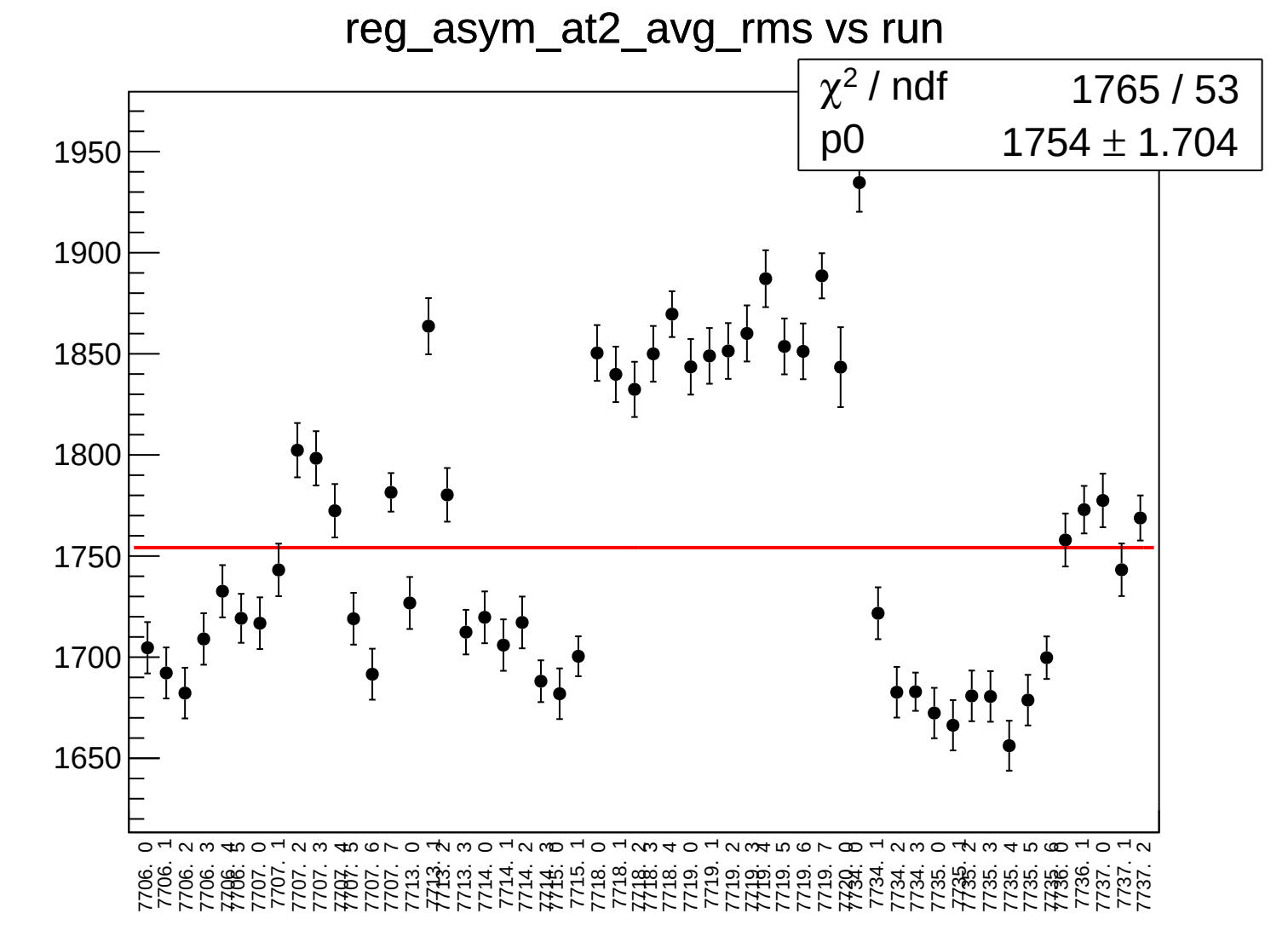

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.14 / 53
p0 1.534e−14 ± 6.341e−14
pull
Entries 54
Mean 13.92
Std Dev 16.79

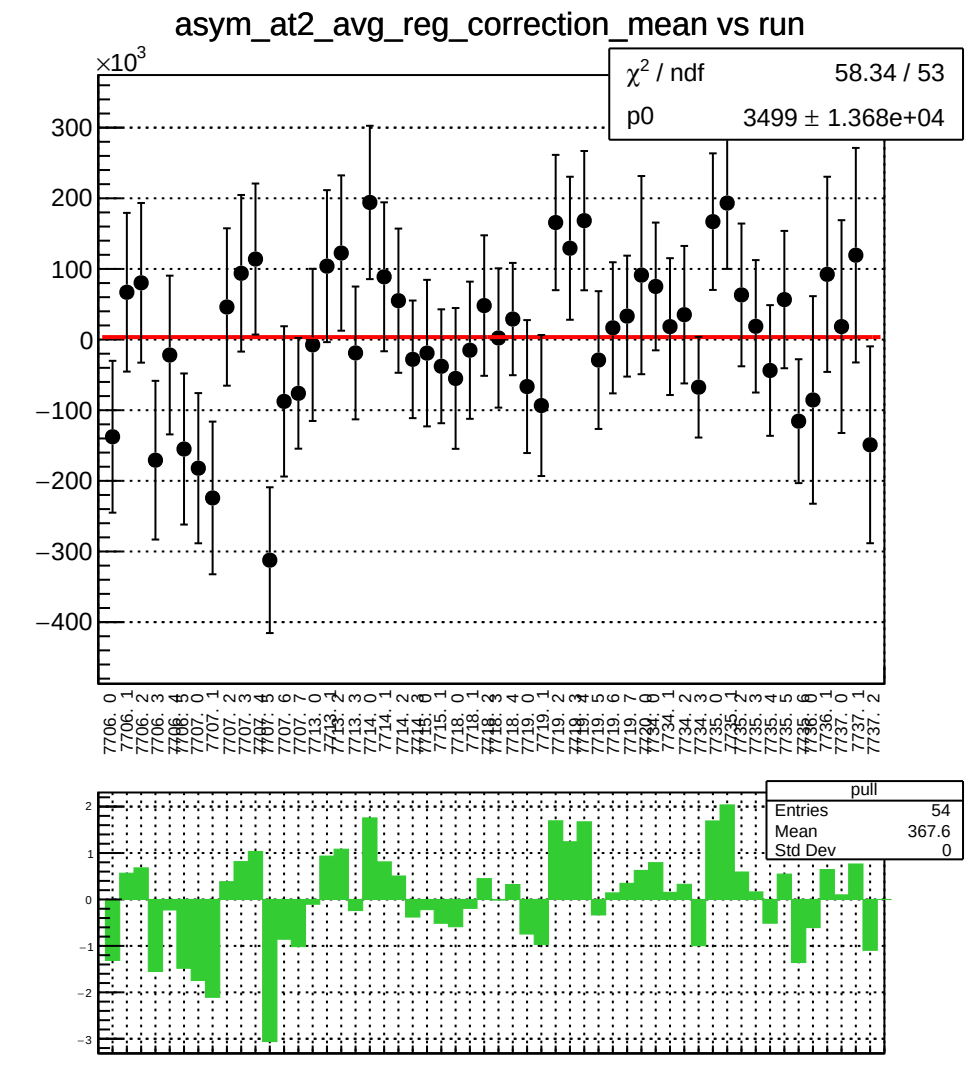

pull1D
Entries 54
Mean −0.02523
Std Dev 0.9917

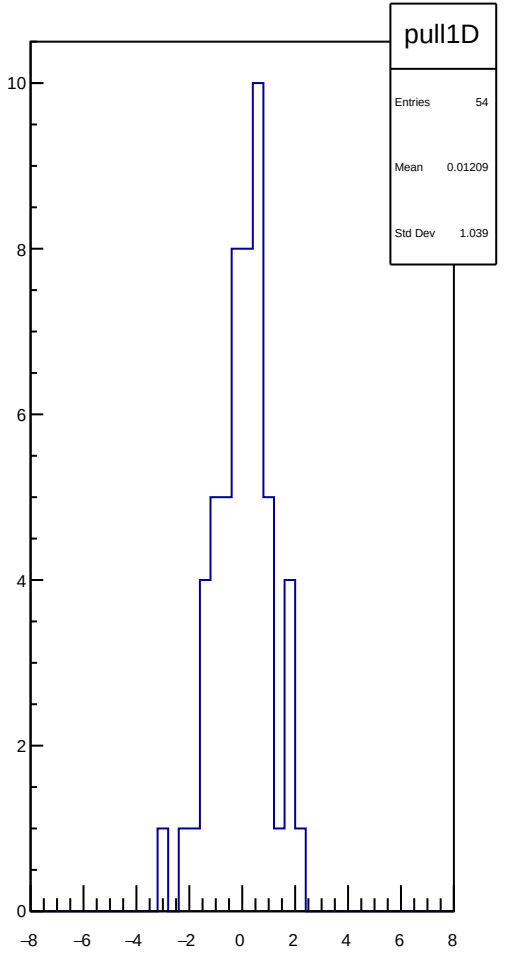

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.542e+05 / 53
p0 3.495e−11 ± 4.484e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

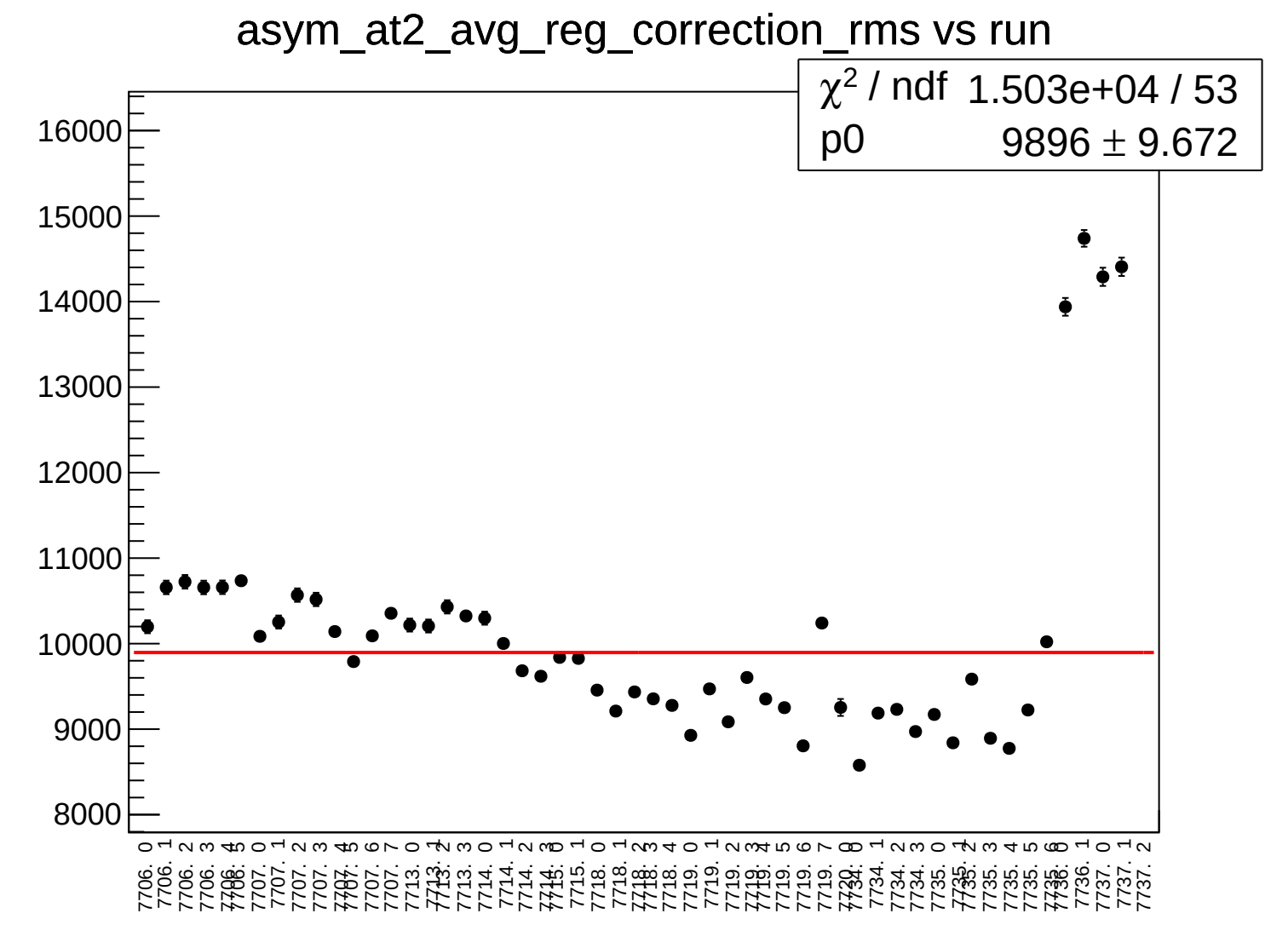

reg_asym_at2_avg_mean vs run
χ² / ndf 56.08 / 53
p0 3205 ± 2409
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 69.47
Std Dev 0
3
2
1
0
−1
−2

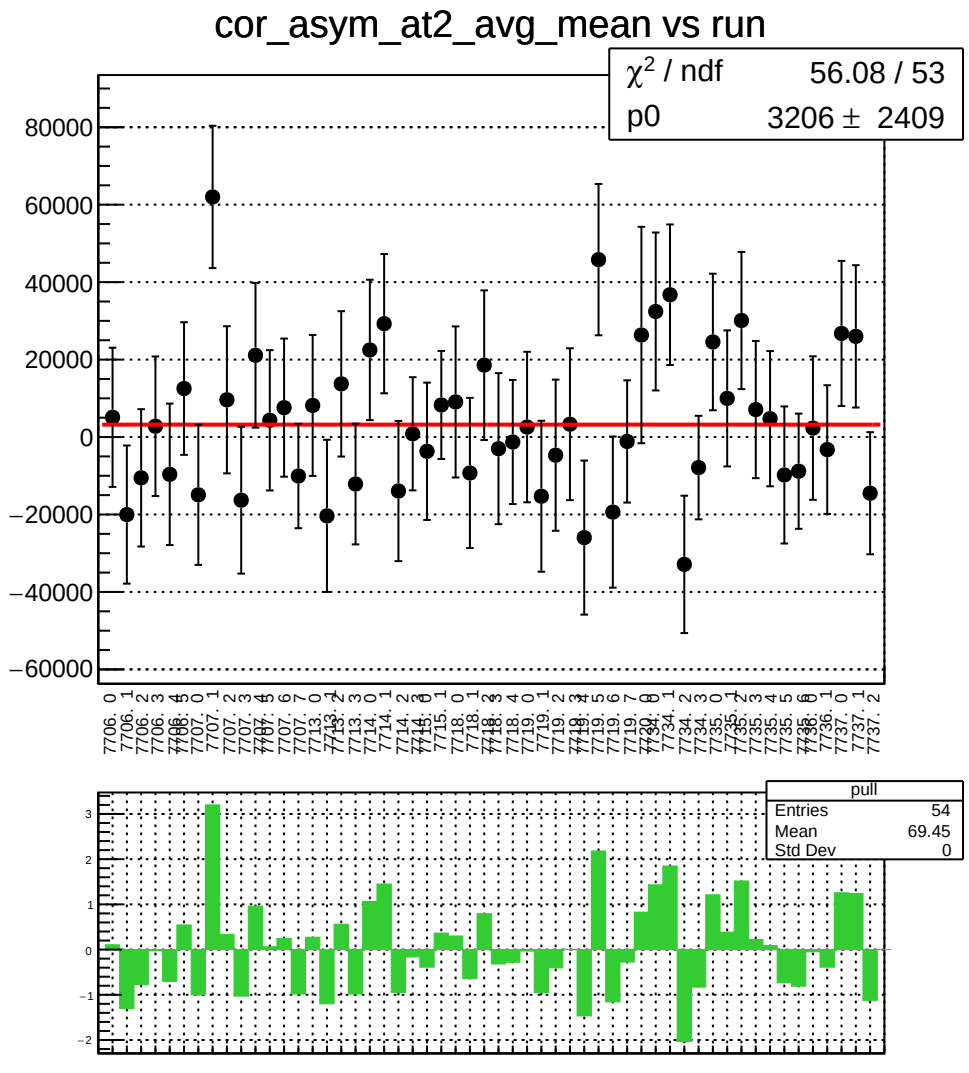

pull1D
Entries 54
Mean 0.02747
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

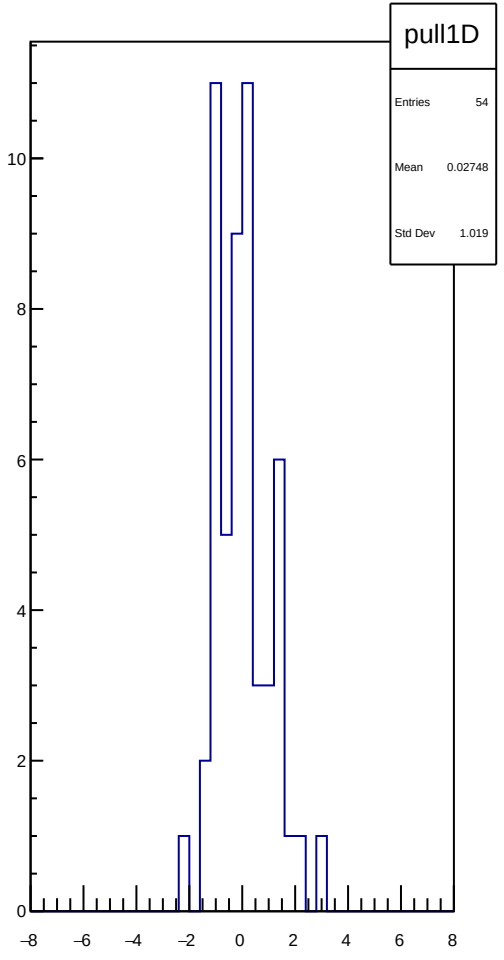

reg_asym_at2_avg_rms vs run
χ² / ndf 1765 / 53
p0 1754 ± 1.704
1950
1900
1850
1800
1750
1700
1650

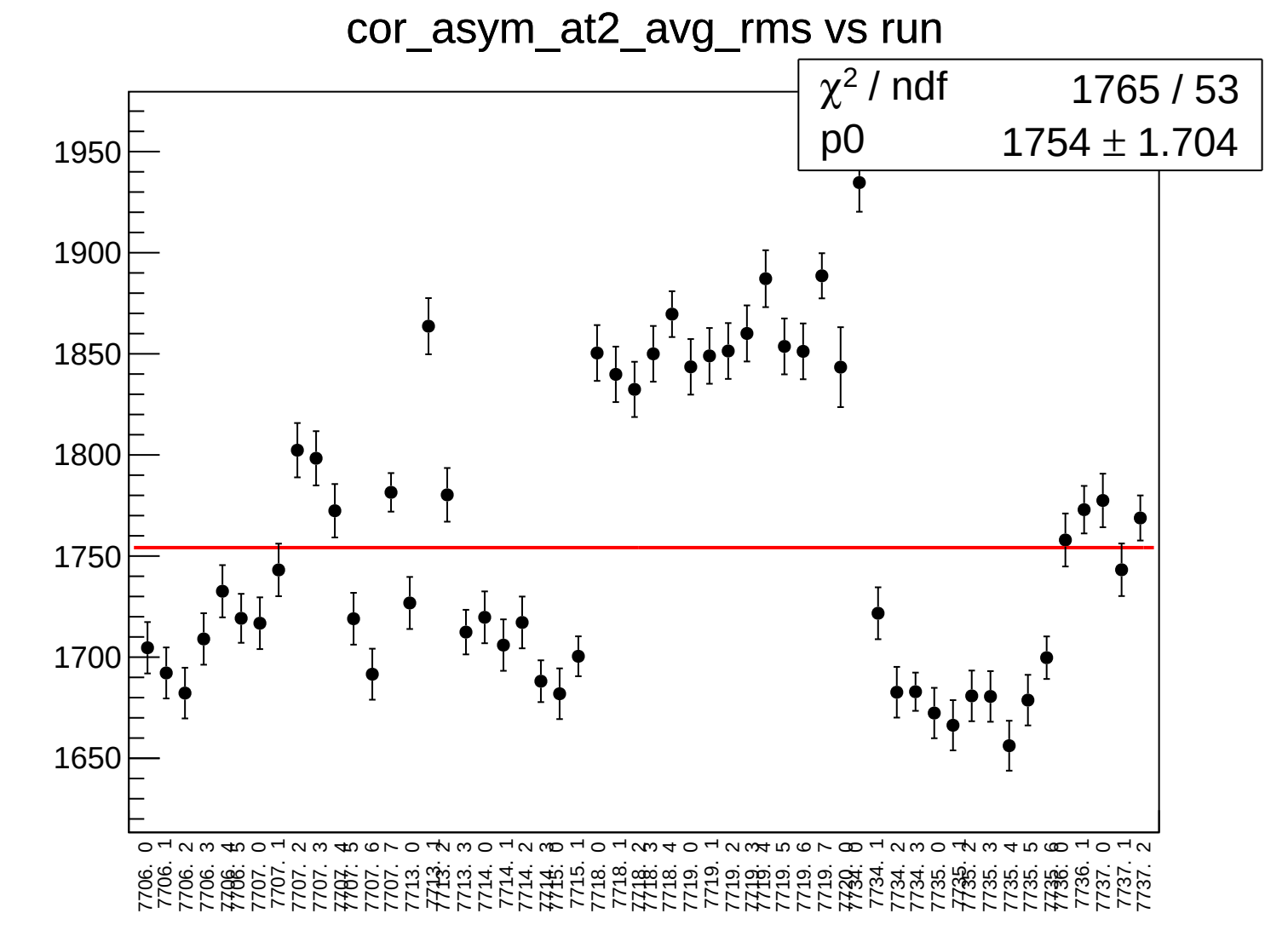

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.34 / 53
p0 3499 ± 1.368e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 54
Mean 367.6
Std Dev 0
2
1
0
−1
−2
−3

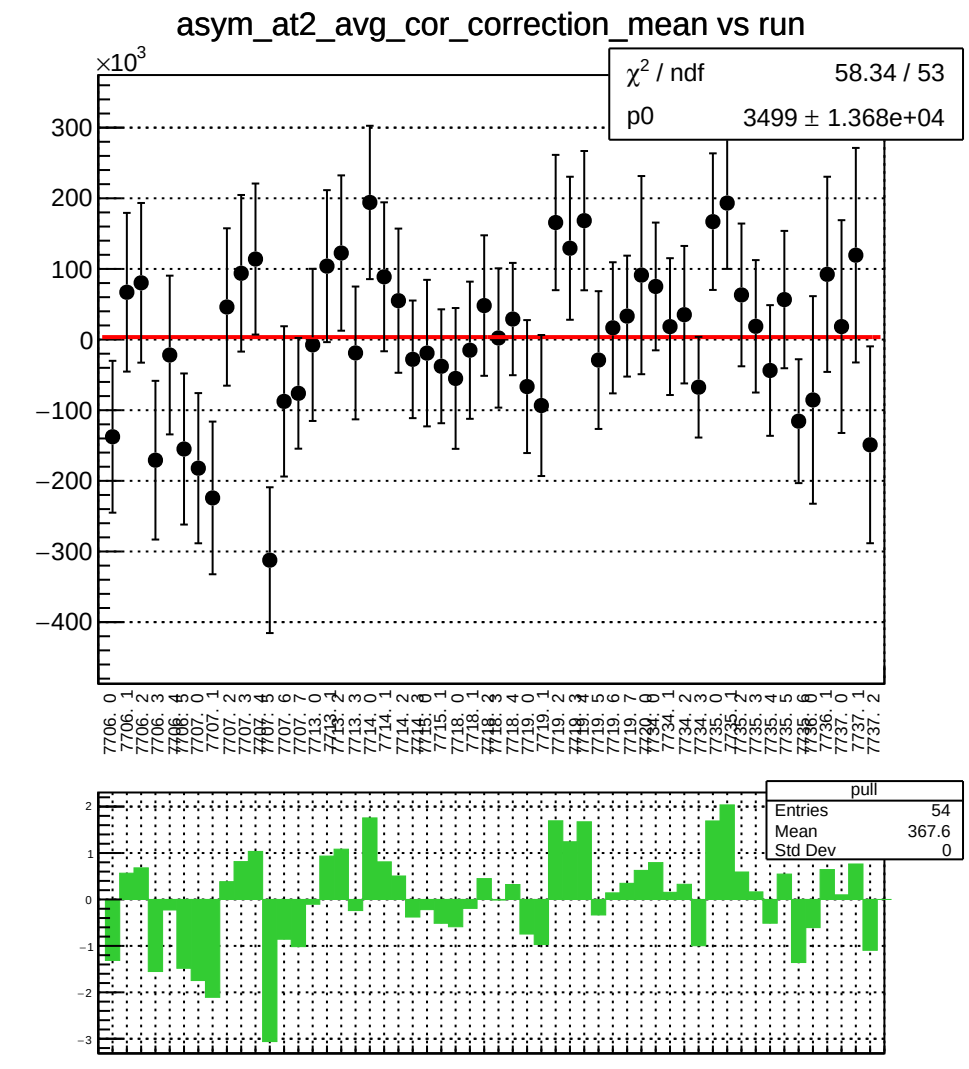

pull1D
Entries 54
Mean 0.01209
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

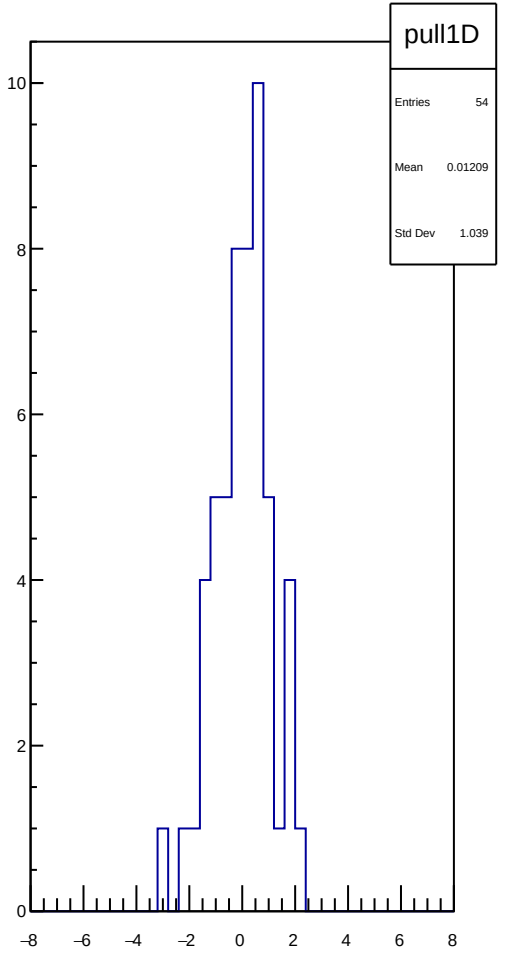

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1.503e+04 / 53
p0 9896 ± 9.672
16000
15000
14000
13000
12000
11000
10000
9000
8000

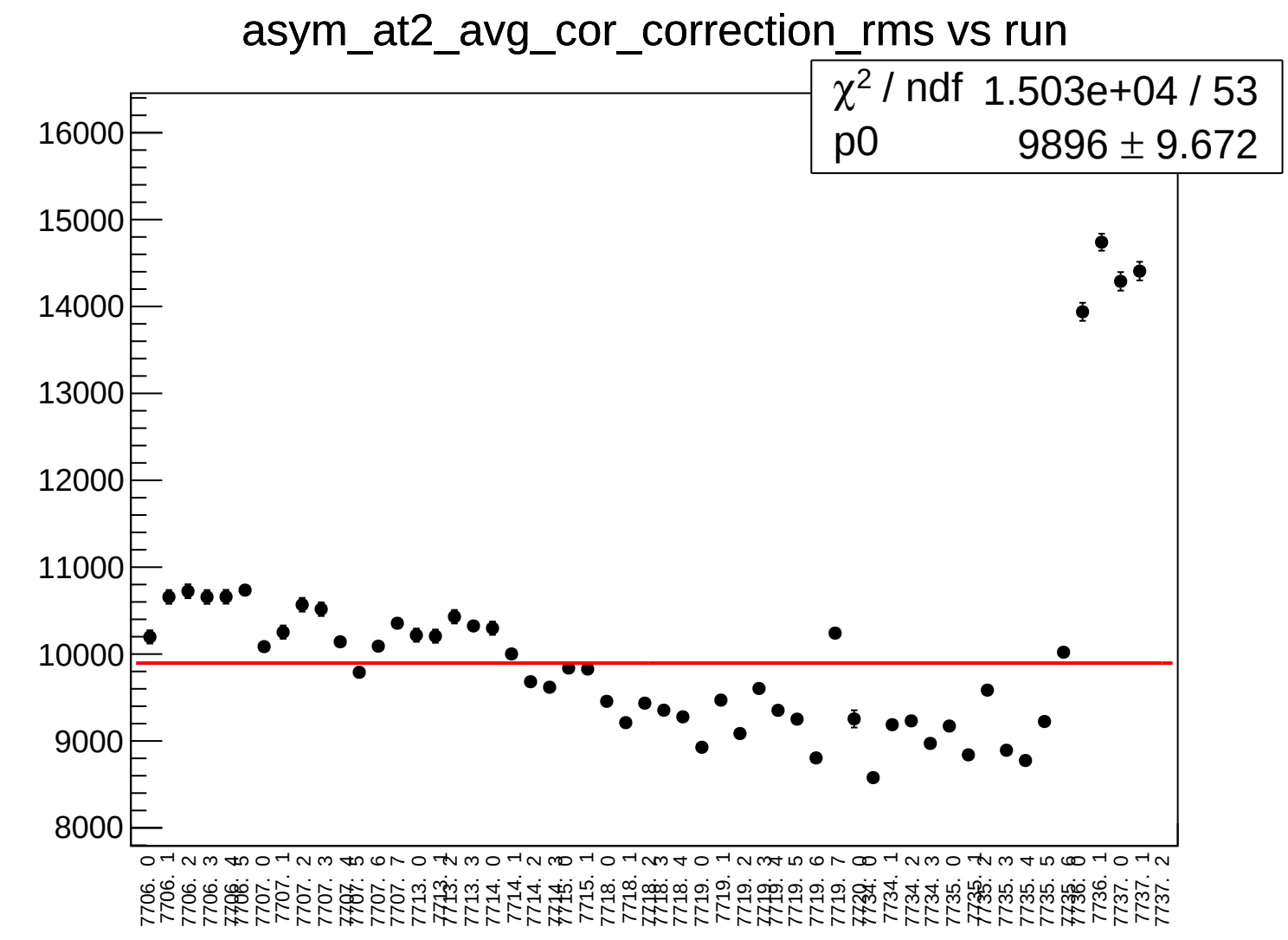

cor_asym_at2_avg_mean vs run
χ² / ndf 56.08 / 53
p0 3206 ± 2409
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 69.45
Std Dev 0
3
2
1
0
−1
−2

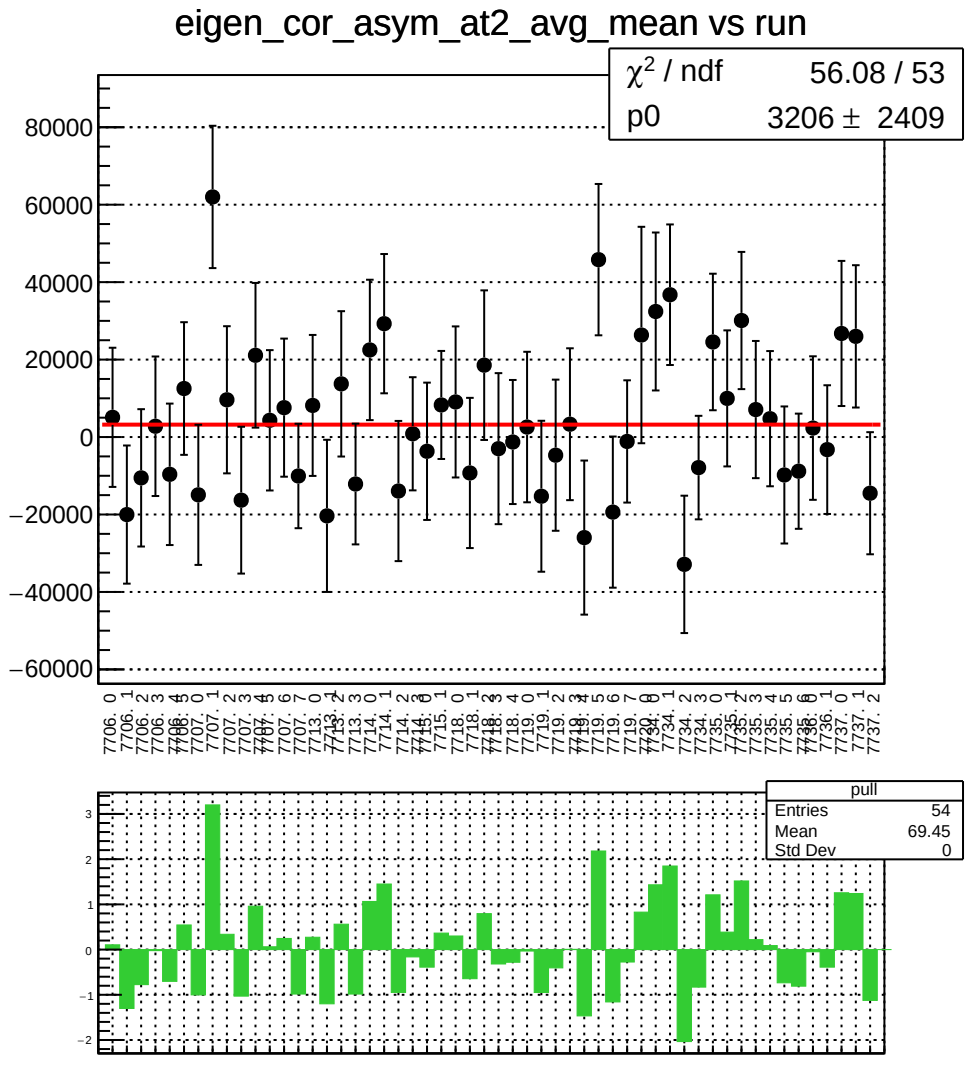

pull1D
Entries 54
Mean 0.02748
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

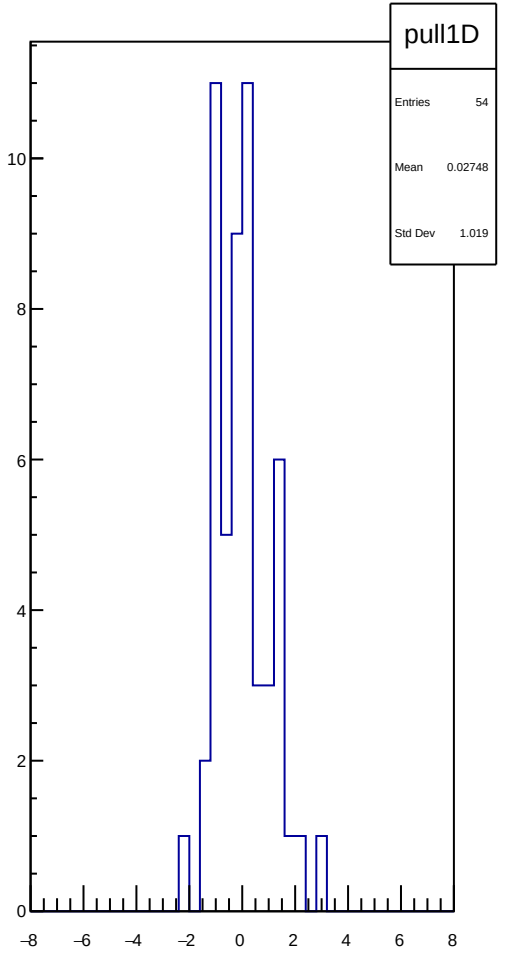

cor_asym_at2_avg_rms vs run
χ^2 / ndf 1765 / 53
p0 1754 ± 1.704
1950
1900
1850
1800
1750
1700
1650

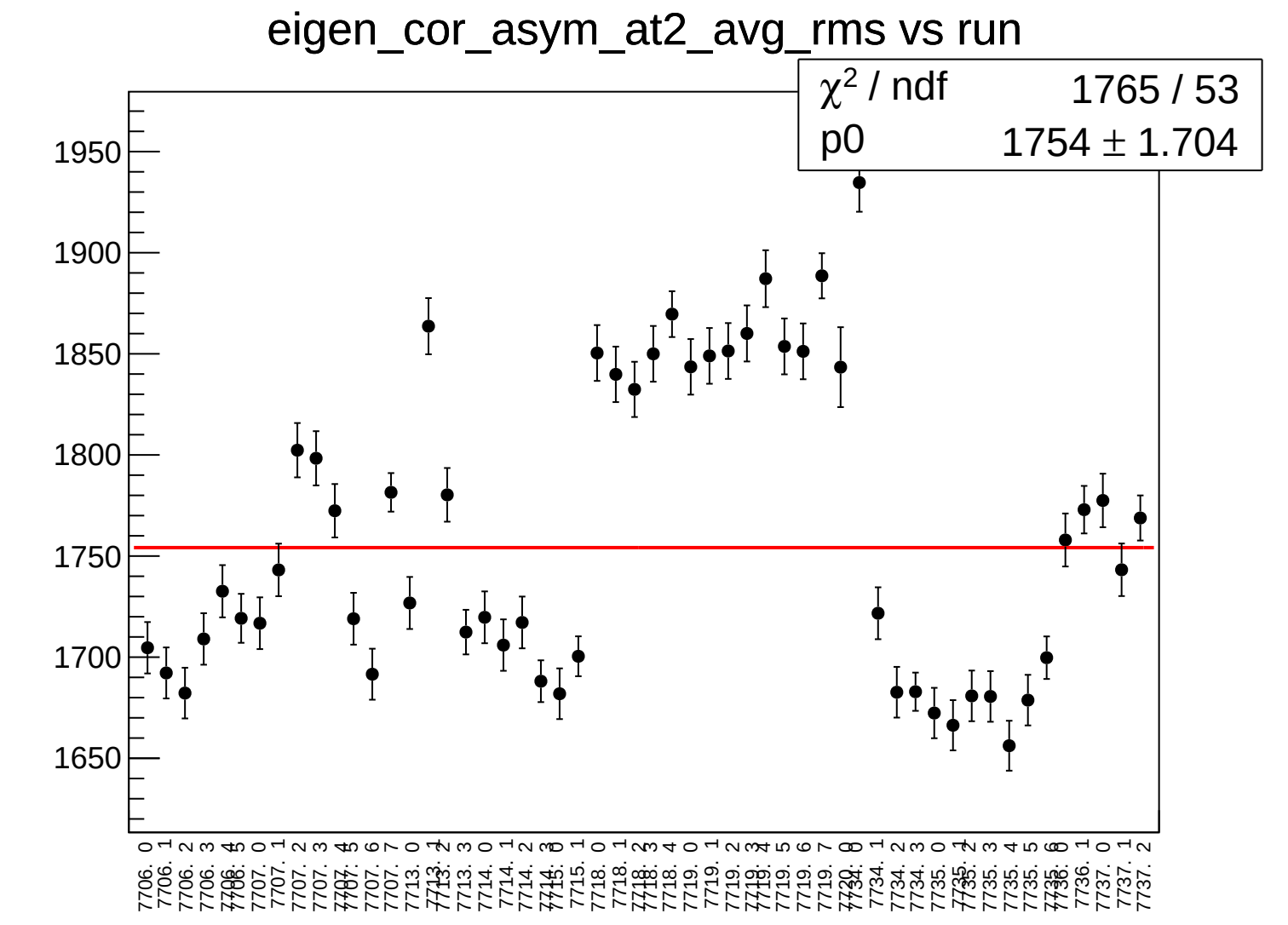

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 58.34 / 53
p0 3499 ± 1.368e+04
pull
Entries 54
Mean 367.6
Std Dev 0

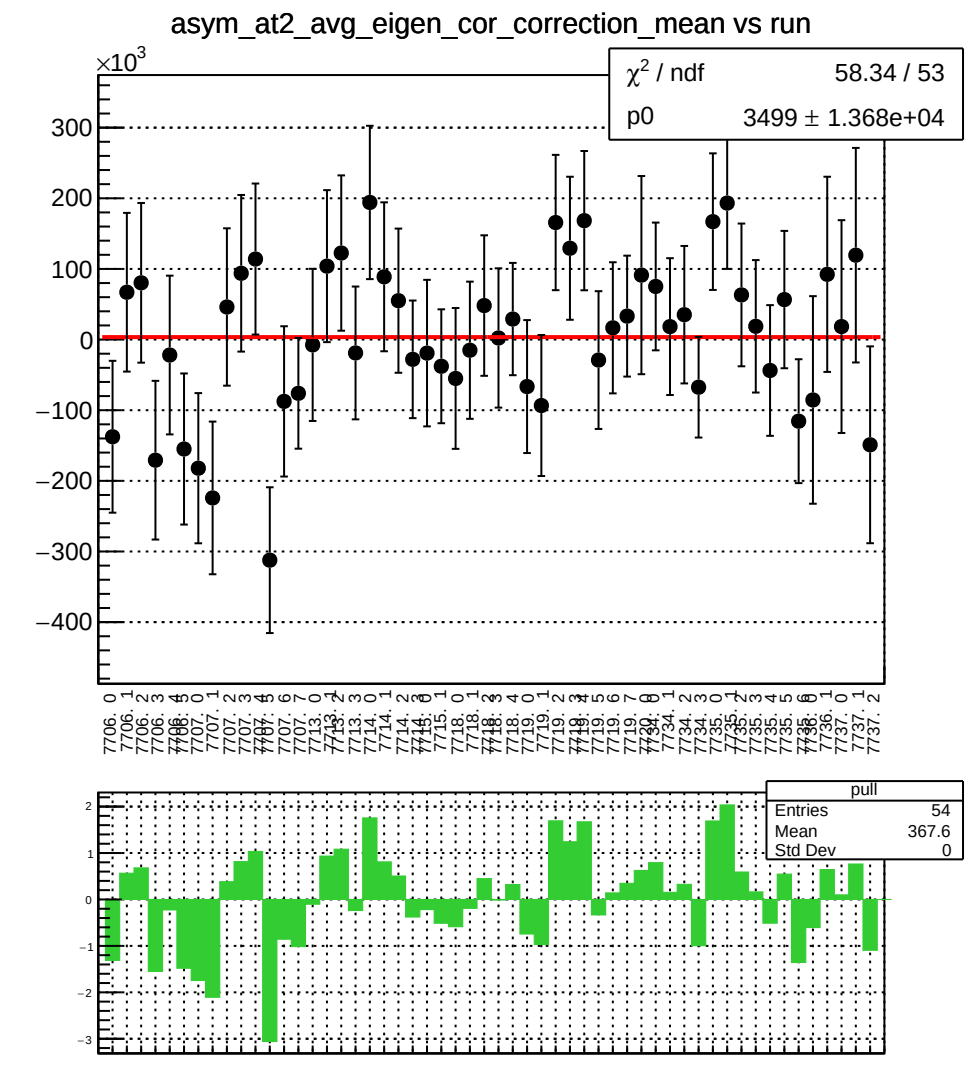

pull1D
Entries 54
Mean 0.01209
Std Dev 1.039

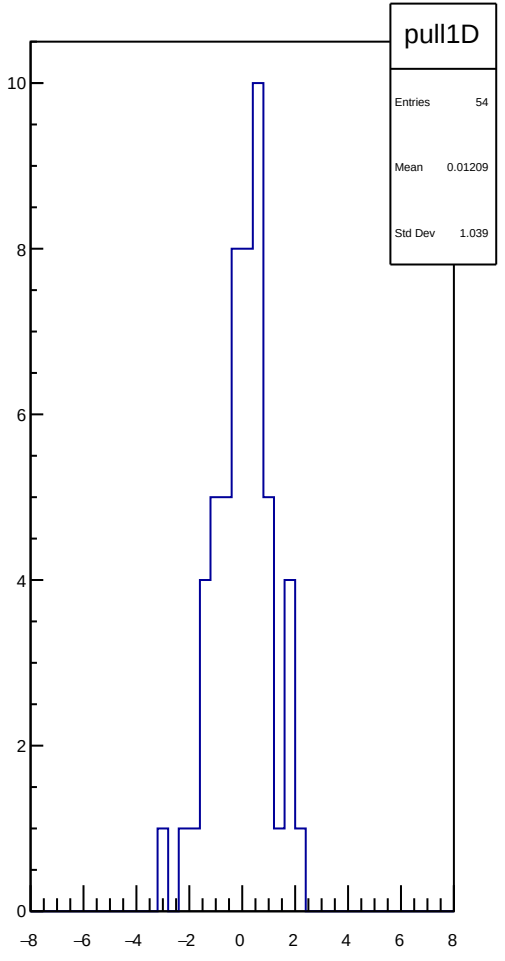

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1.503e+04 / 53
p0 9896 ± 9.672
16000
15000
14000
13000
12000
11000
10000
9000
8000

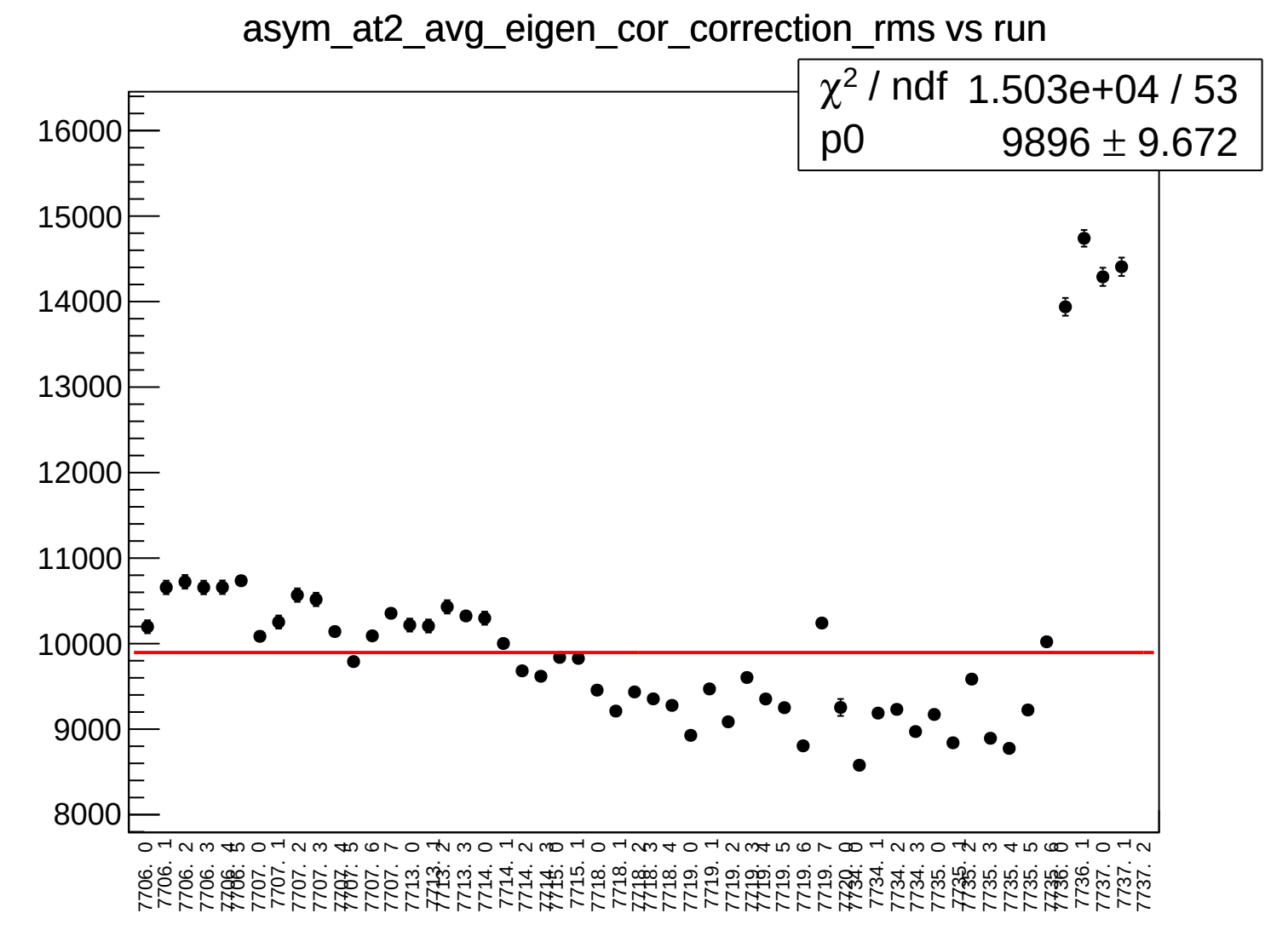

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 56.08 / 53
p0 3206 ± 2409
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 69.45
Std Dev 0
3
2
1
0
−1
−2

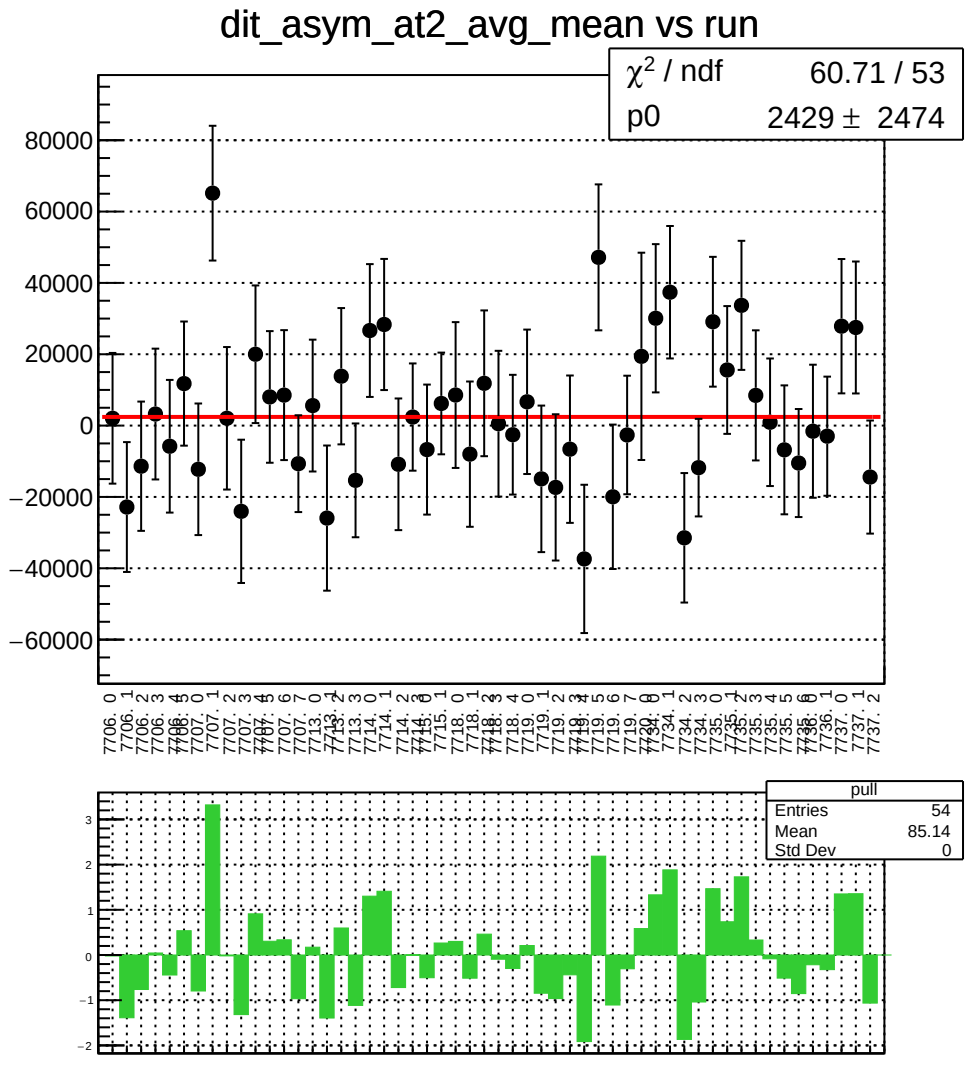

pull1D
Entries 54
Mean 0.02748
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

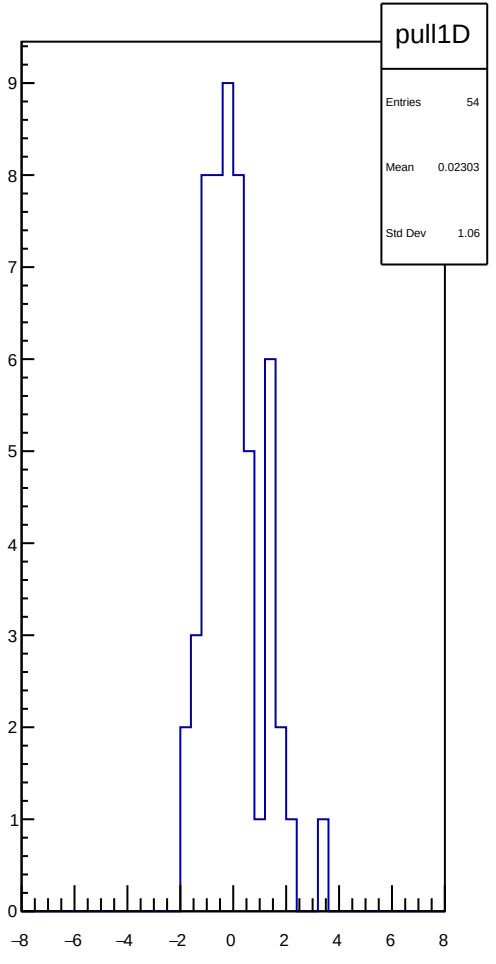

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 1765 / 53
p0 1754 ± 1.704
1950
1900
1850
1800
1750
1700
1650
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

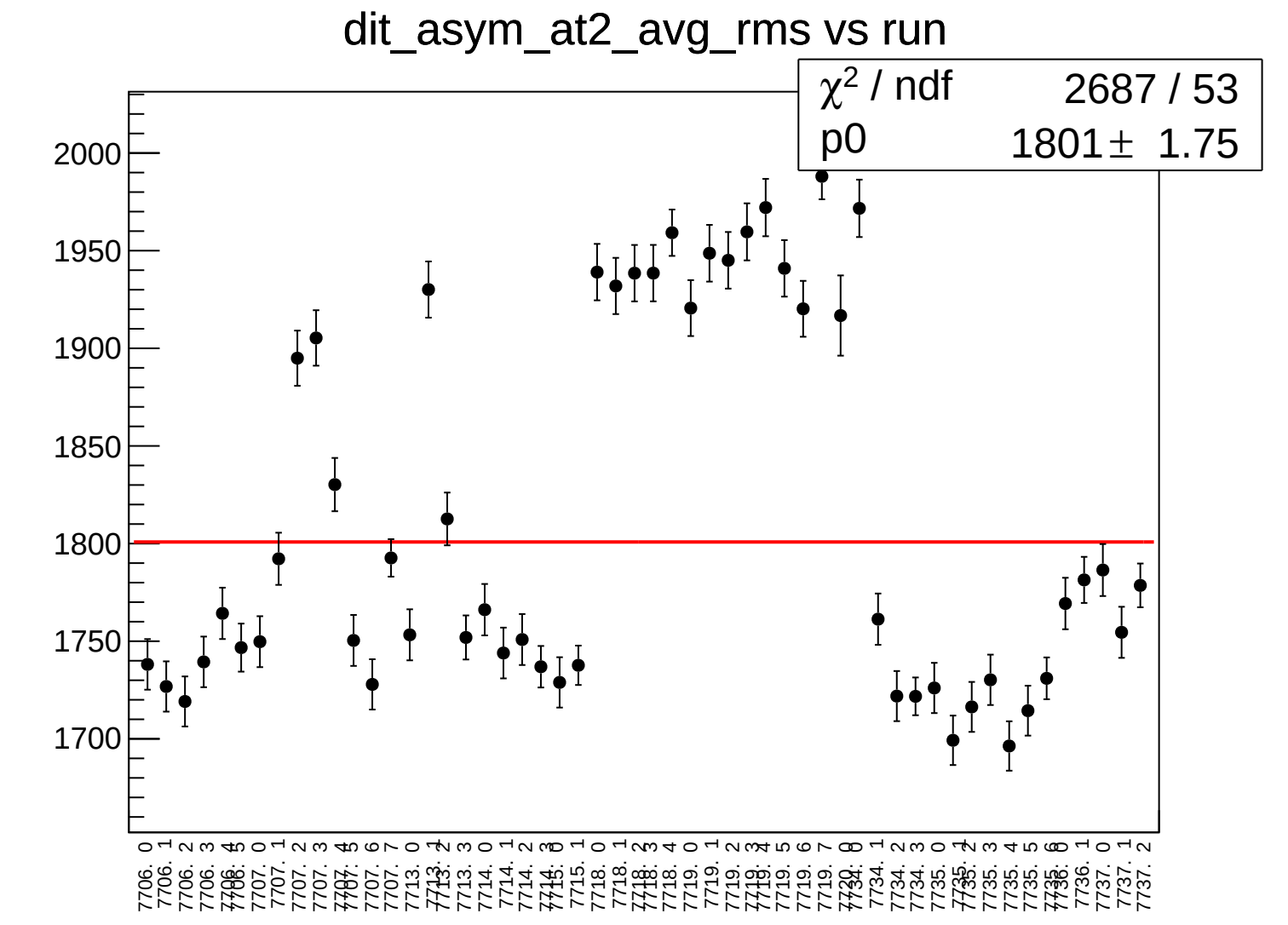

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.34 / 53
p0 3499 ± 1.368e+04
pull
Entries 54
Mean 367.6
Std Dev 0

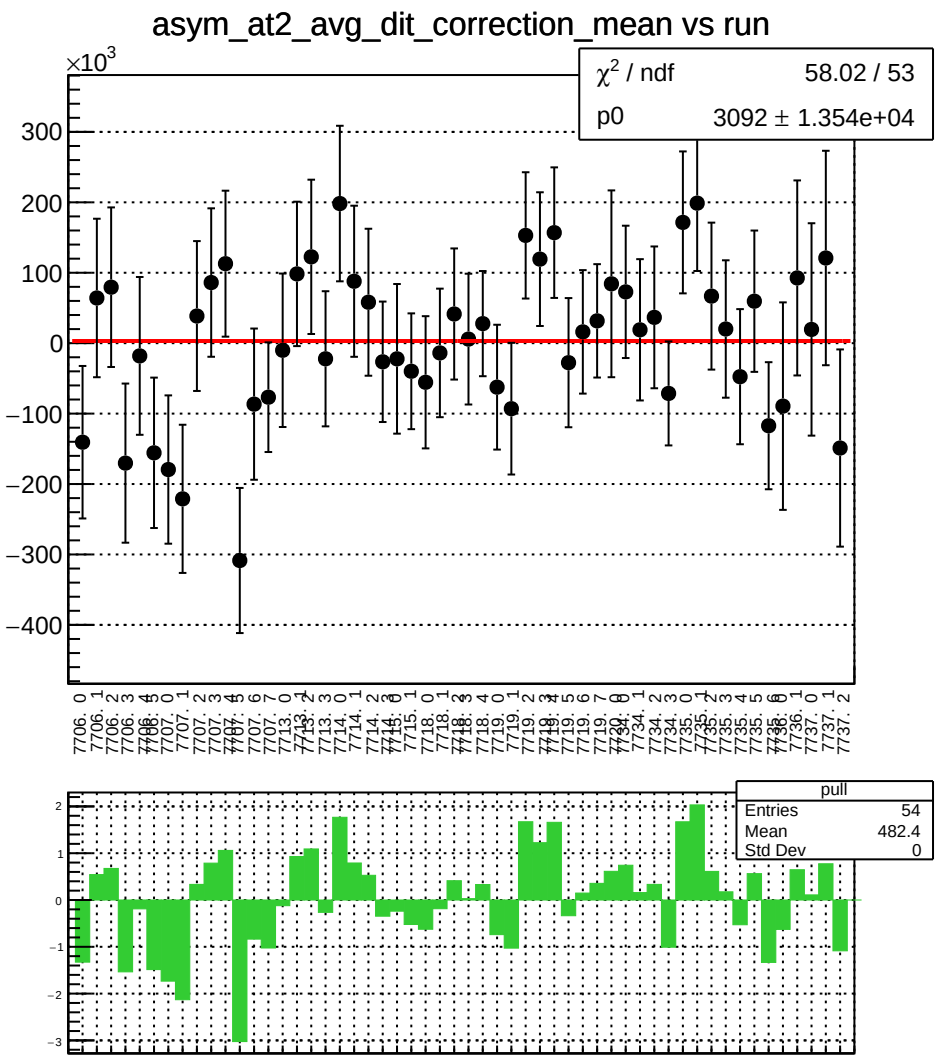

pull1D
Entries 54
Mean 0.01209
Std Dev 1.039

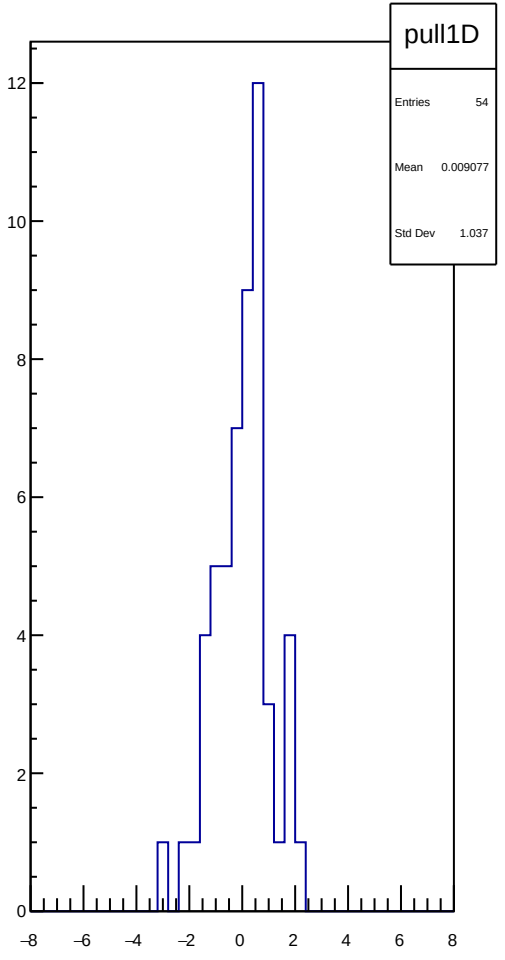

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.503e+04 / 53
p0 9896 ± 9.672
16000
15000
14000
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

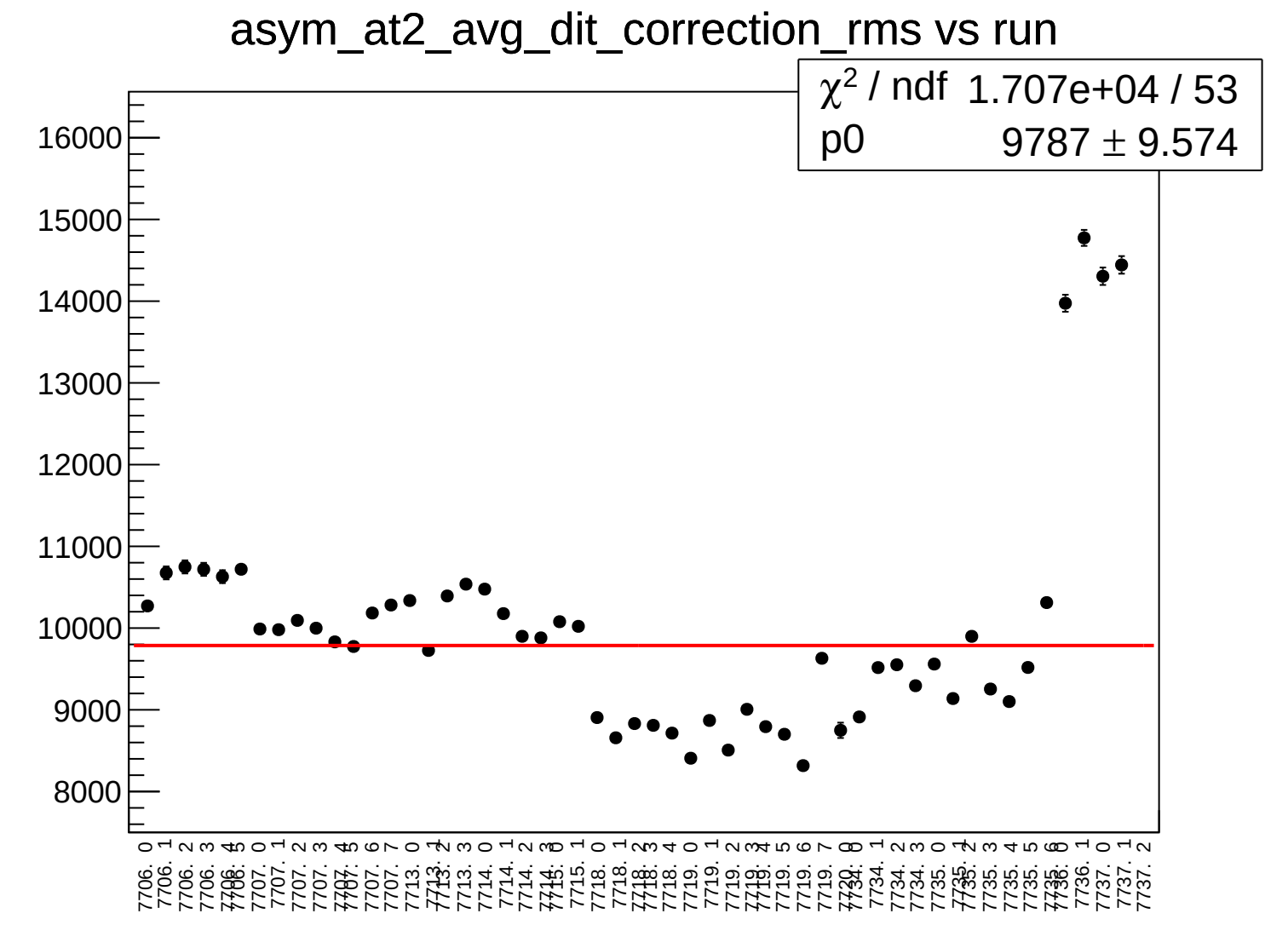

dit_asym_at2_avg_mean vs run
χ² / ndf 60.71 / 53
p0 2429 ± 2474
pull
Entries 54
Mean 85.14
Std Dev 0

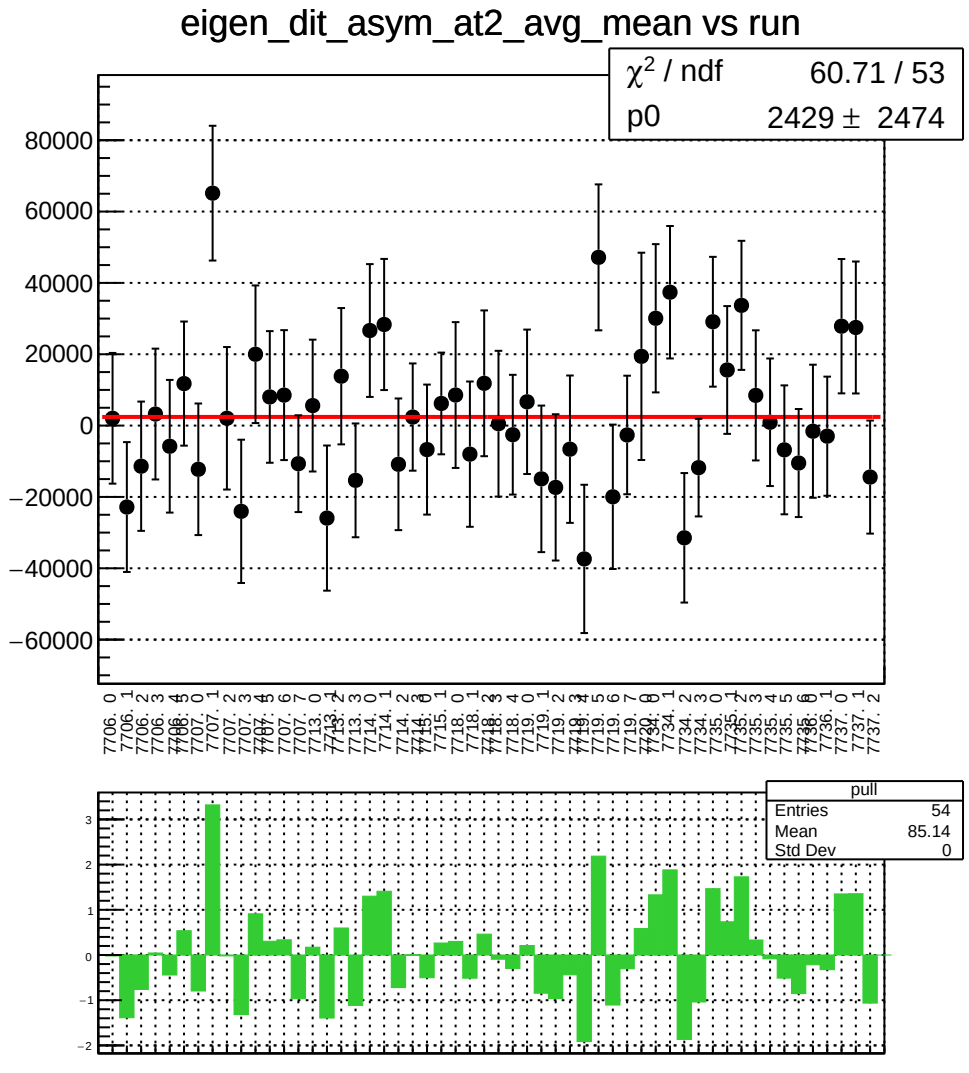

pull1D
Entries 54
Mean 0.02303
Std Dev 1.06

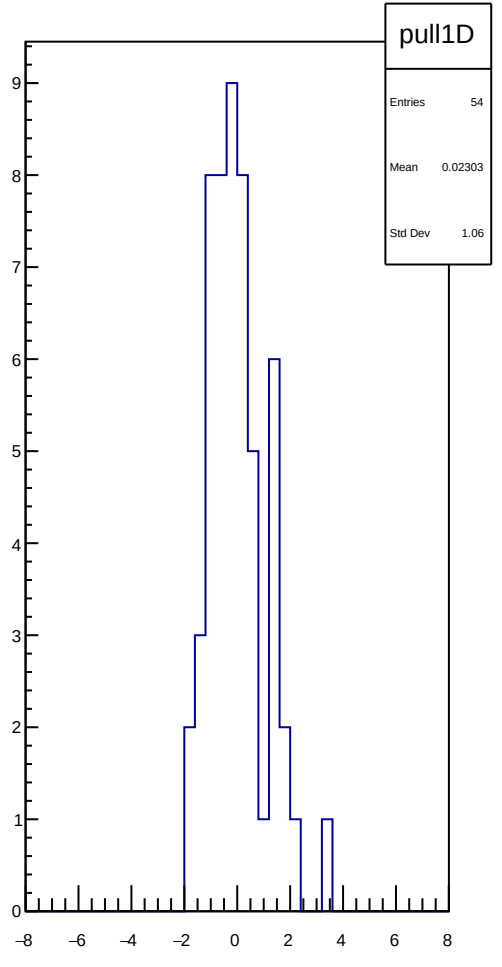

dit_asym_at2_avg_rms vs run
χ² / ndf 2687 / 53
p0 1801 ± 1.75
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

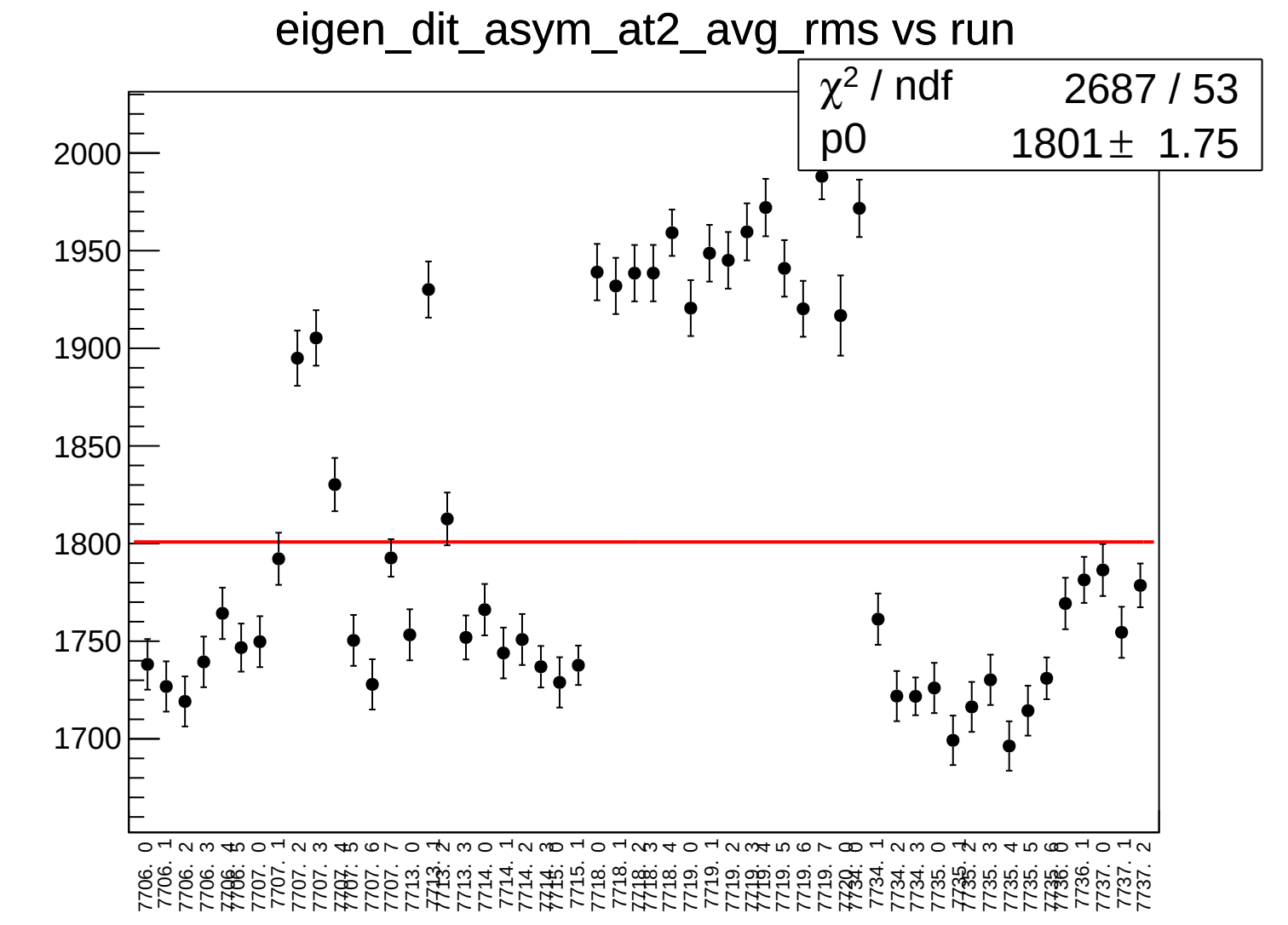

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.02 / 53
p0 3092 ± 1.354e+04
pull
Entries 54
Mean 482.4
Std Dev 0

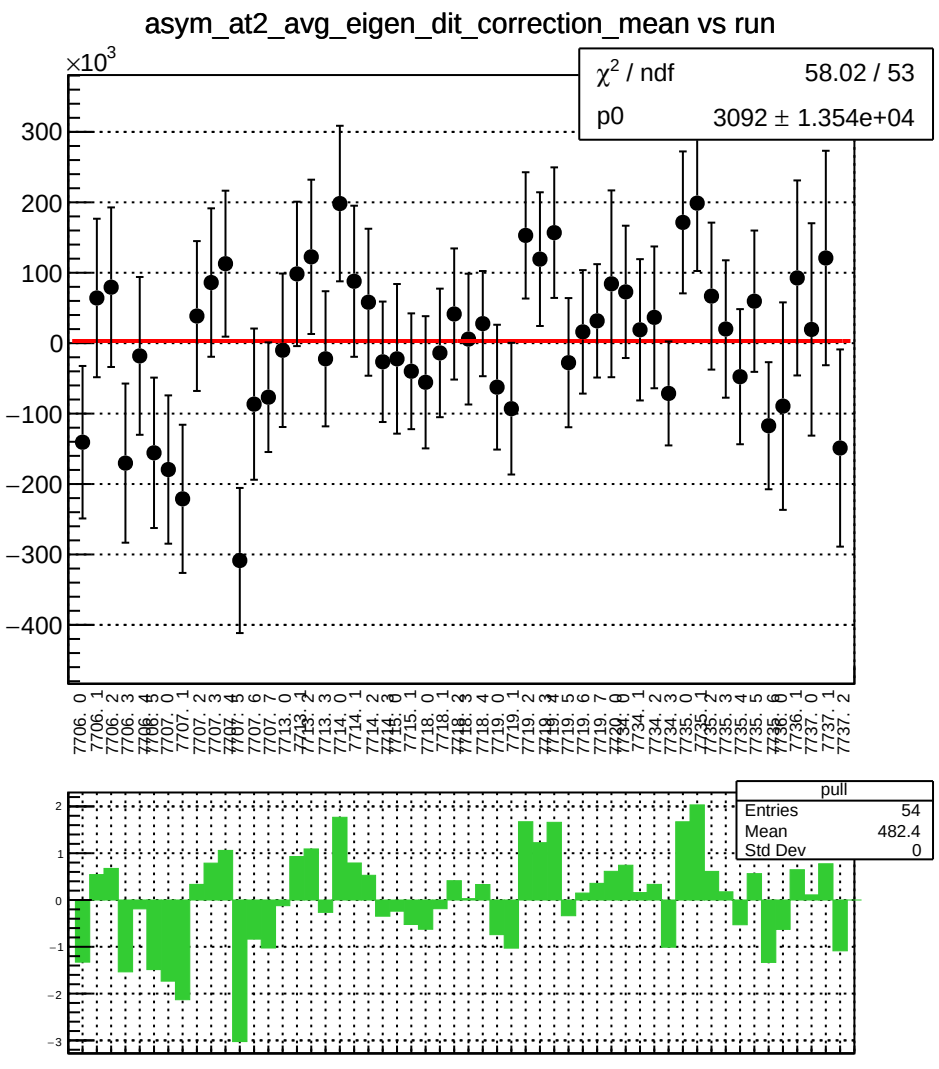

pull1D
Entries 54
Mean 0.009077
Std Dev 1.037

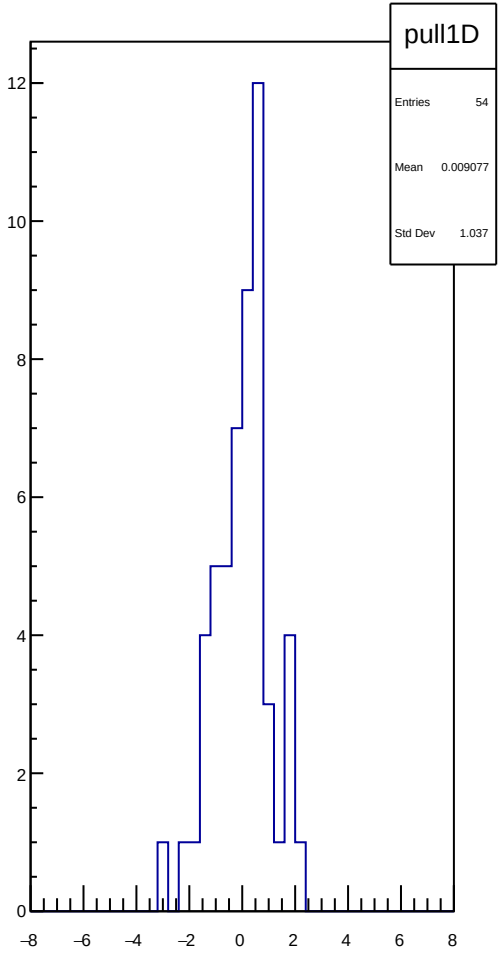

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 1.707e+04 / 53
p0 9787 ± 9.574
16000
15000
14000
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

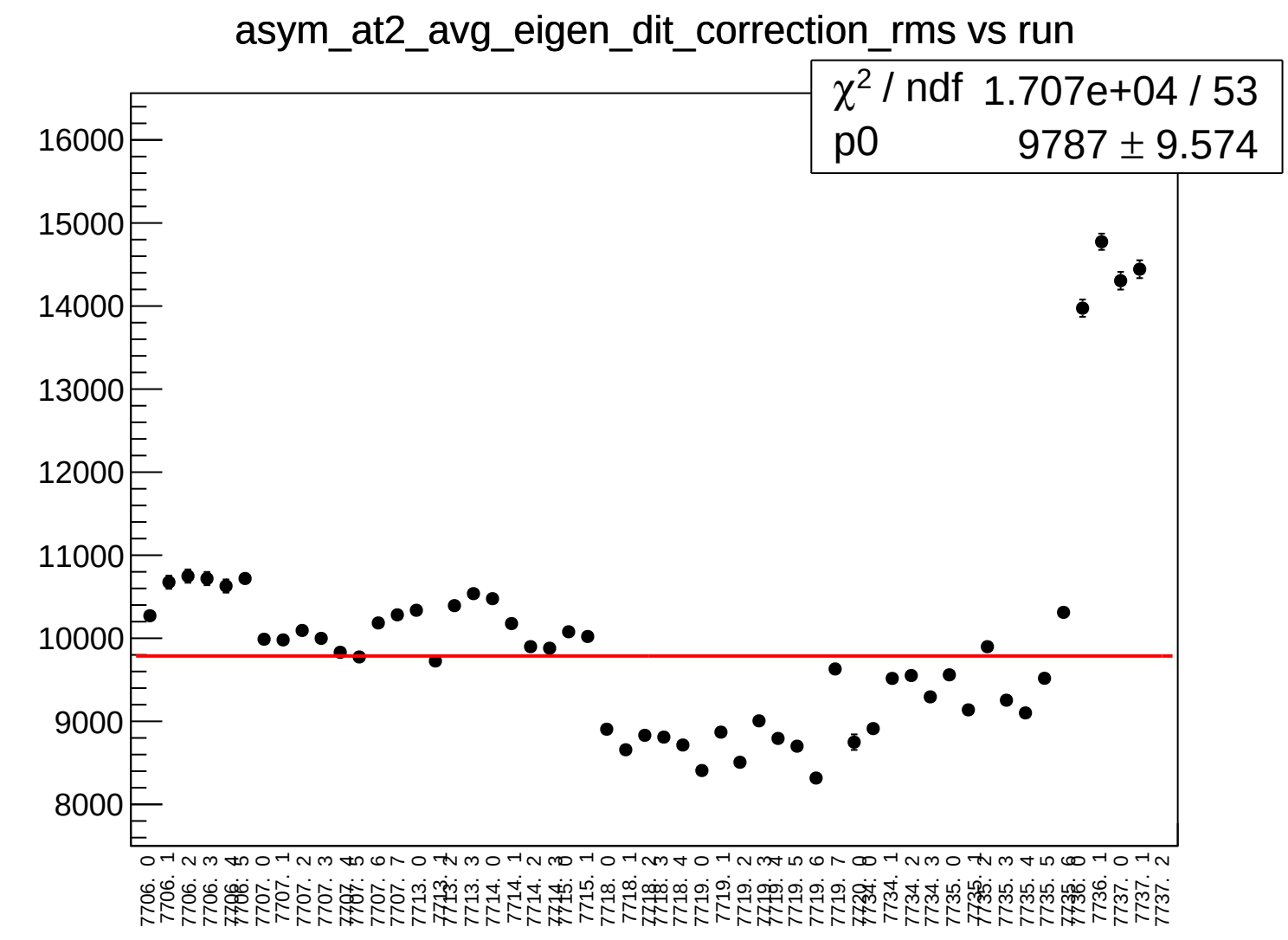

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 60.71 / 53
p0 2429 ± 2474
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 85.14
Std Dev 0
3
2
1
0
−1
−2

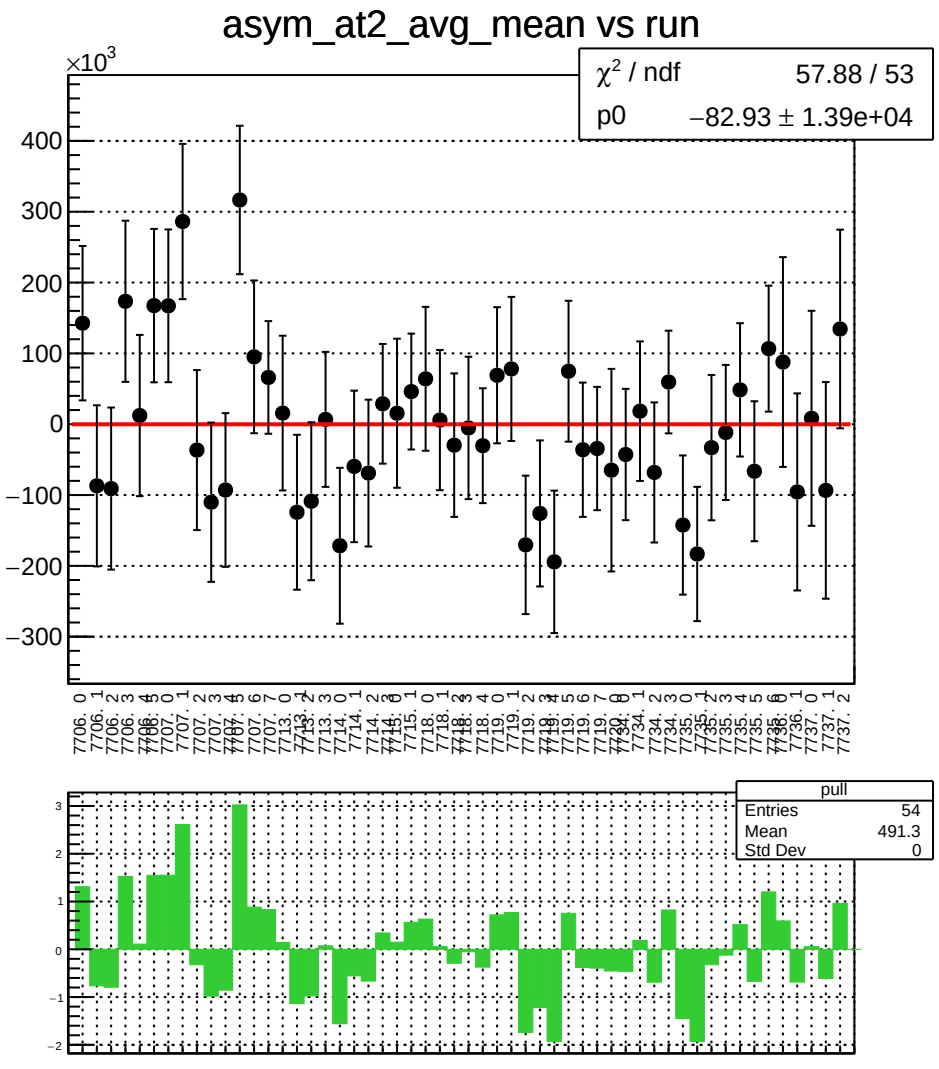

pull1D
Entries 54
Mean 0.02303
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

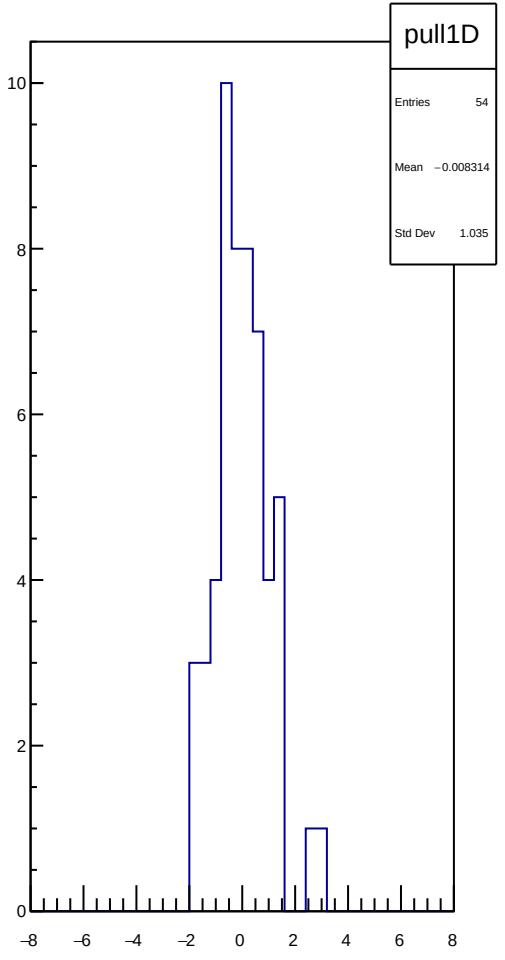

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 2687 / 53
p0 1801 ± 1.75
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

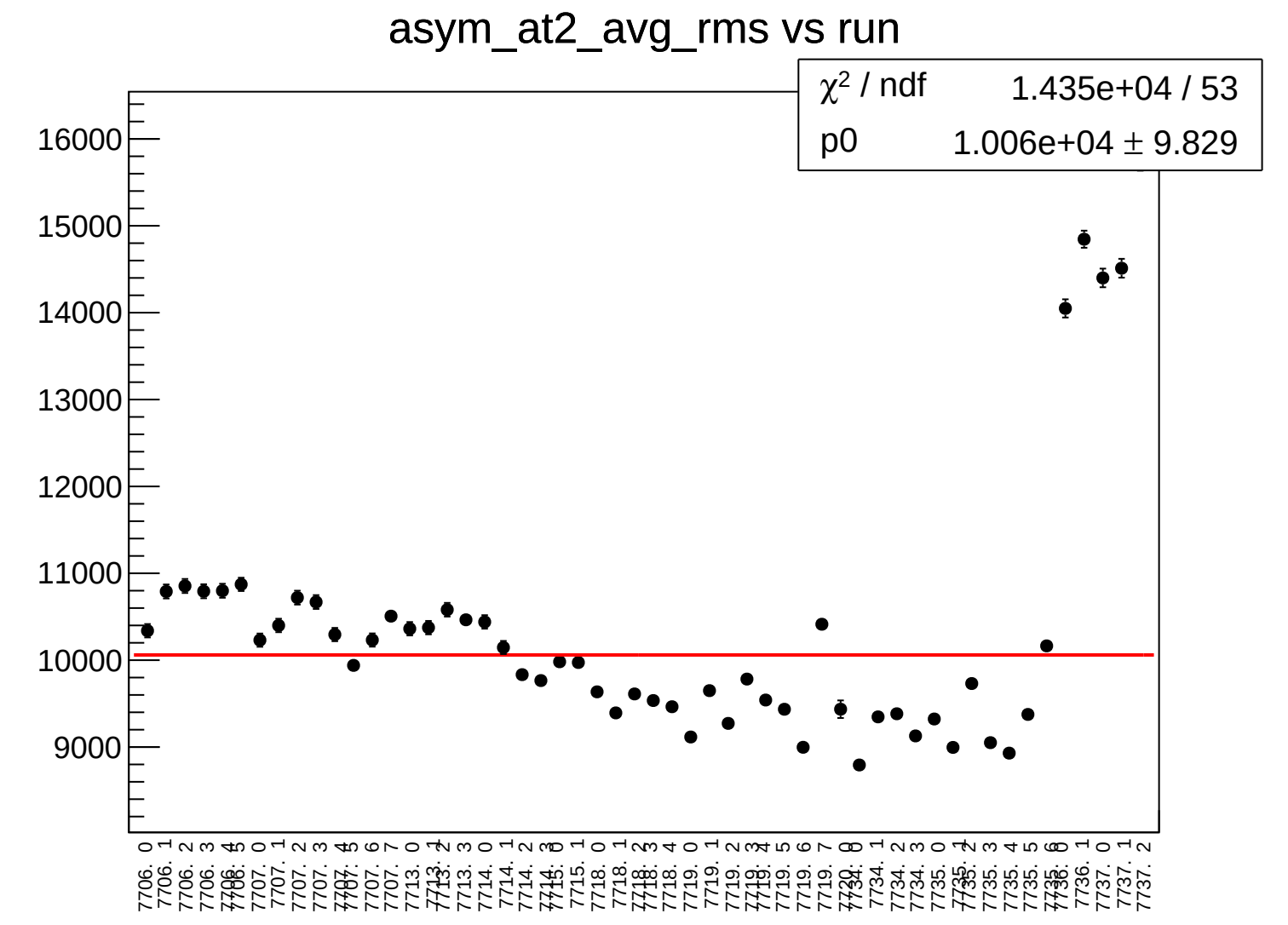

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.02 / 53
p0 3092 ± 1.354e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 54
Mean 482.4
Std Dev 0
2
1
0
−1
−2
−3

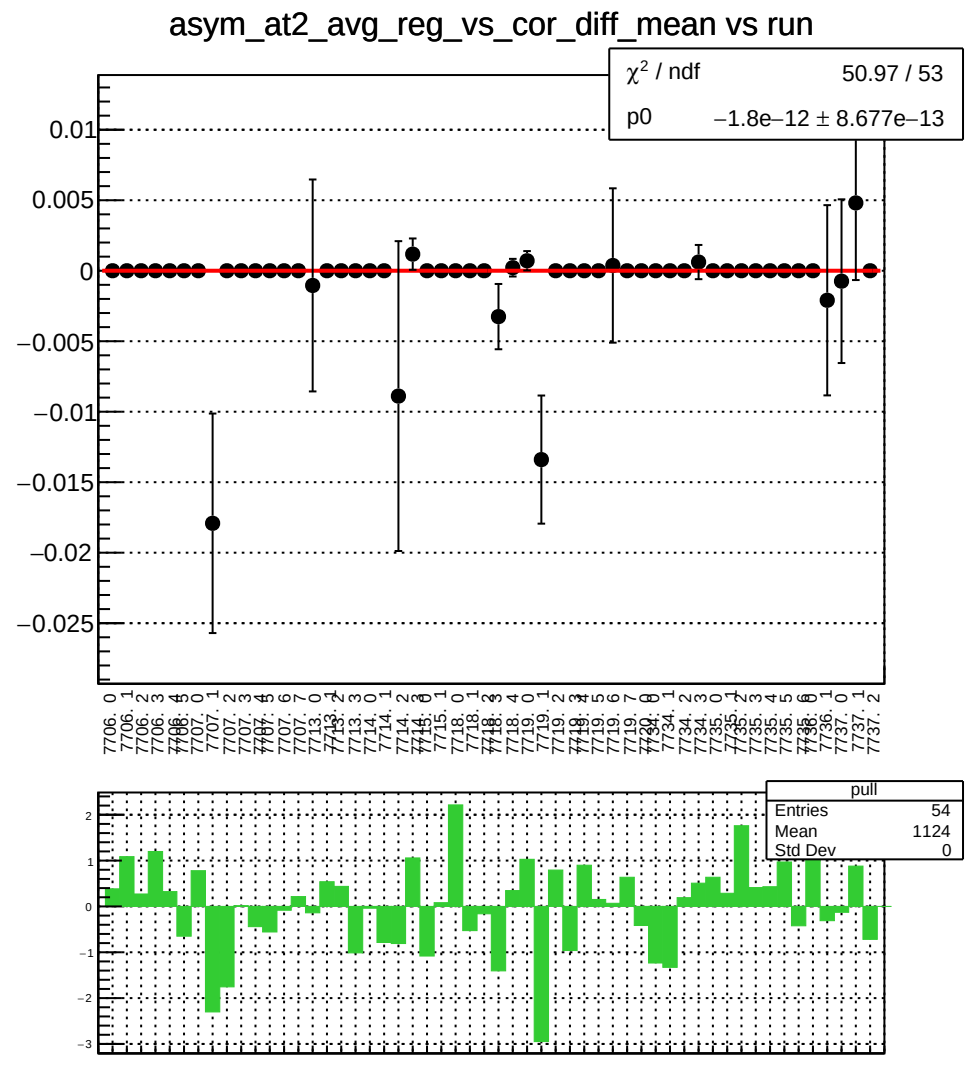

pull1D
Entries 54
Mean 0.009077
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

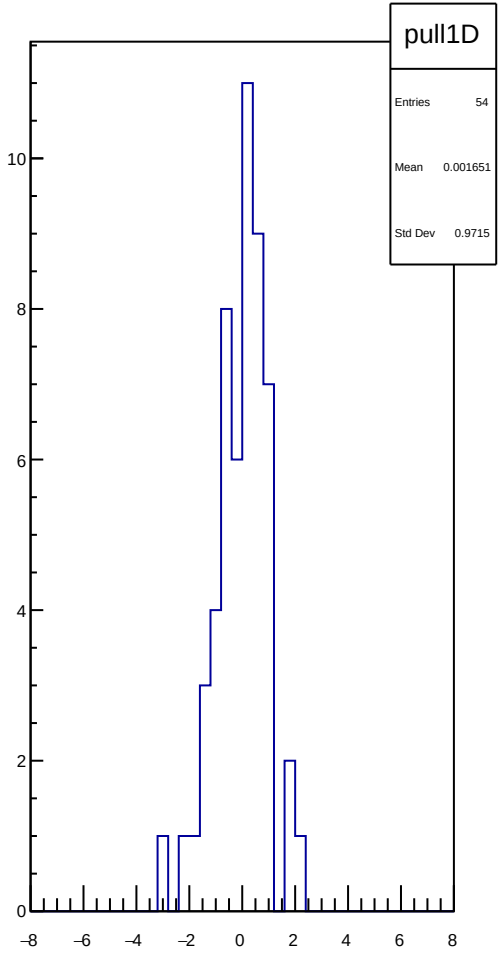

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.707e+04 / 53
p0 9787 ± 9.574
16000
15000
14000
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

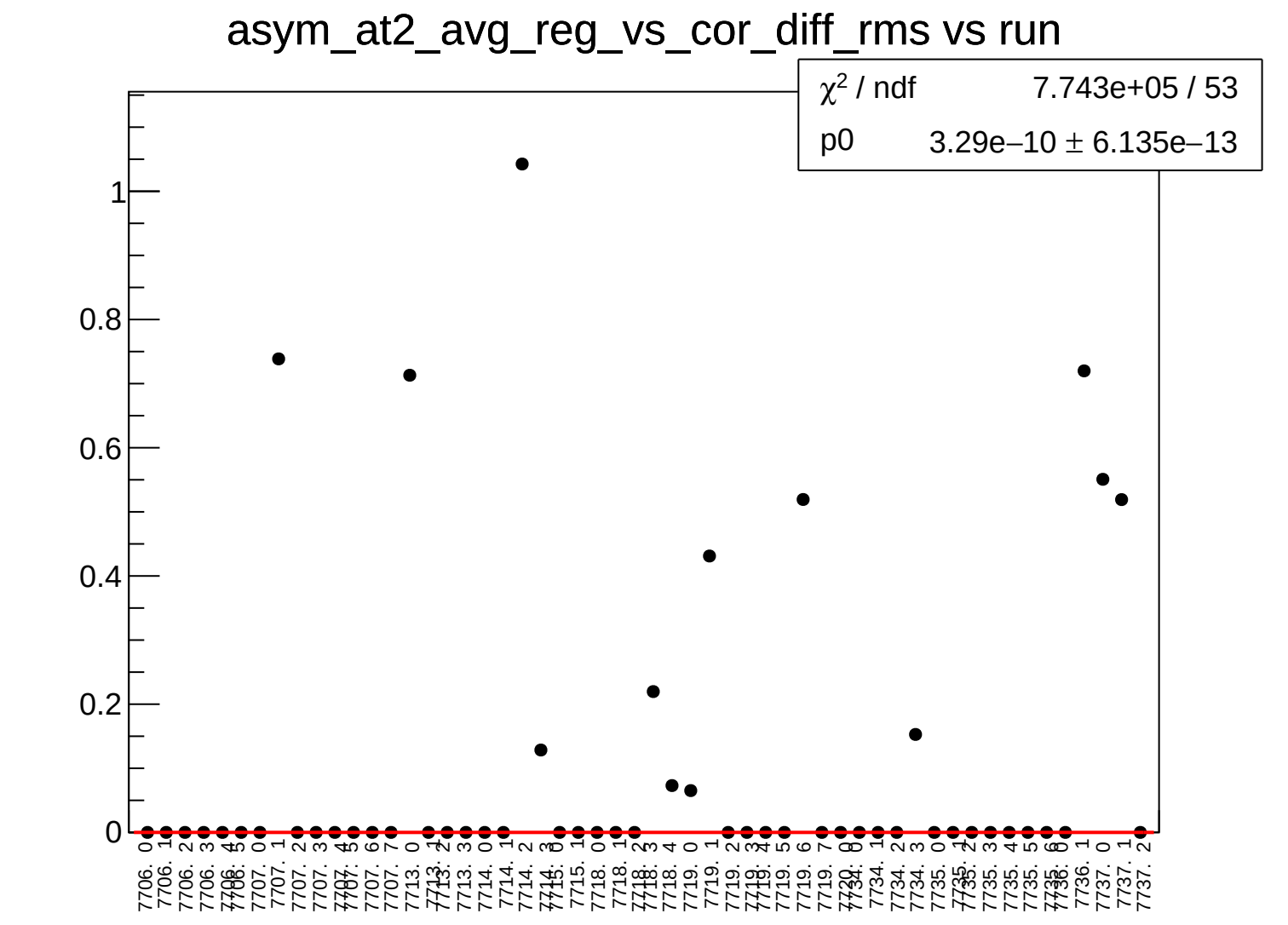

asym_at2_avg_mean vs run
×10^3
χ² / ndf 57.88 / 53
p0 −82.93 ± 1.39e+04
pull
Entries 54
Mean 491.3
Std Dev 0

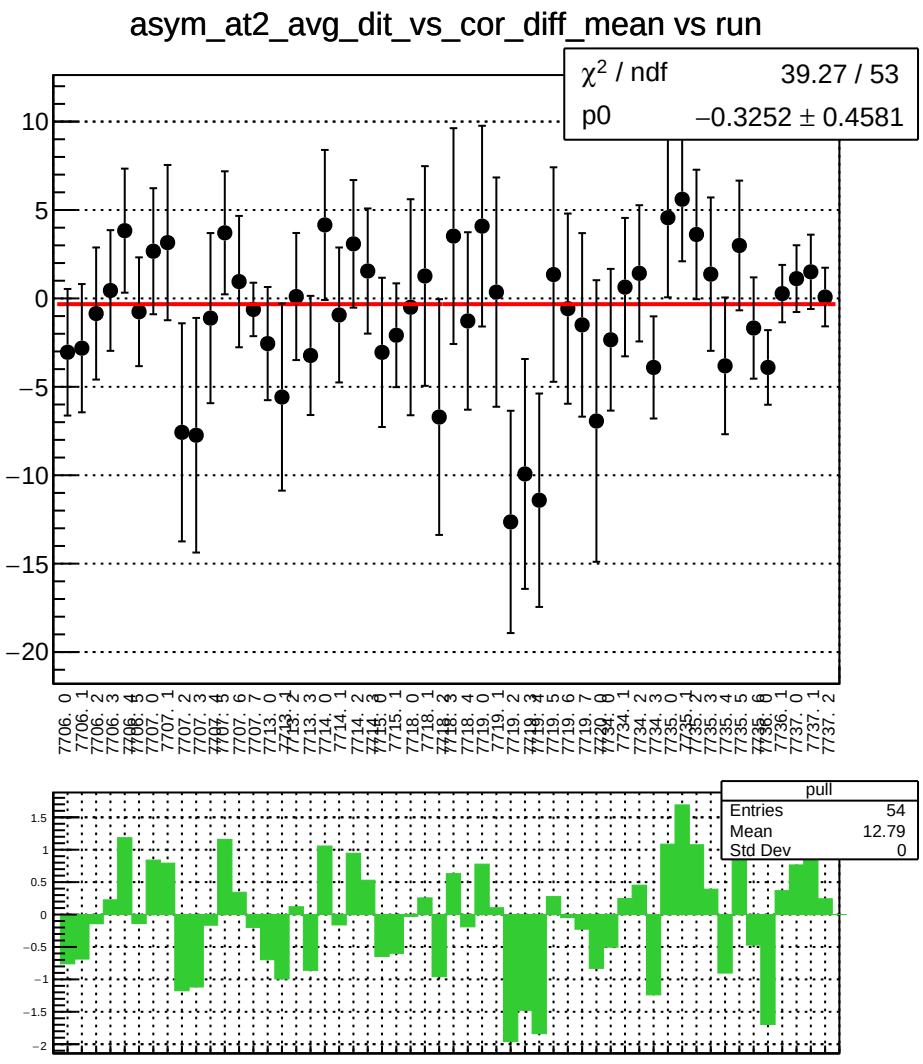

pull1D
Entries 54
Mean −0.008314
Std Dev 1.035

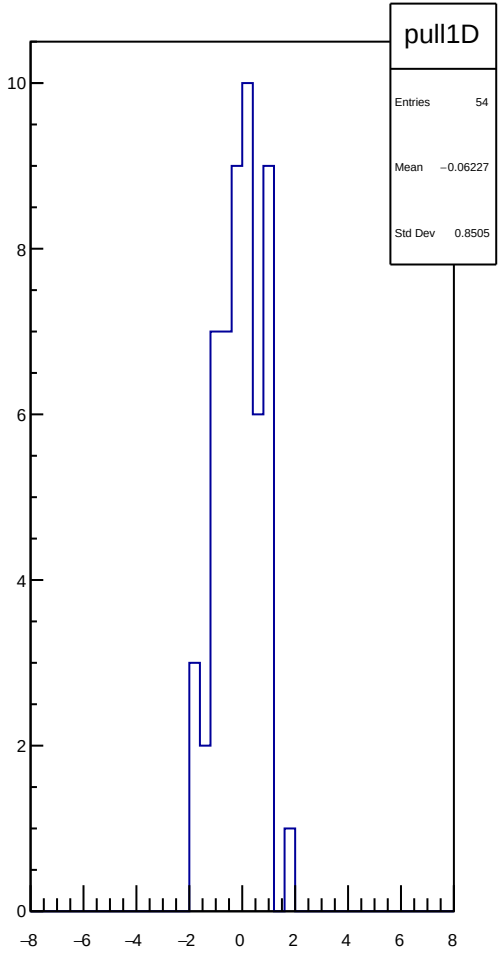

asym_at2_avg_rms vs run
χ² / ndf 1.435e+04 / 53
p0 1.006e+04 ± 9.829
16000
15000
14000
13000
12000
11000
10000
9000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

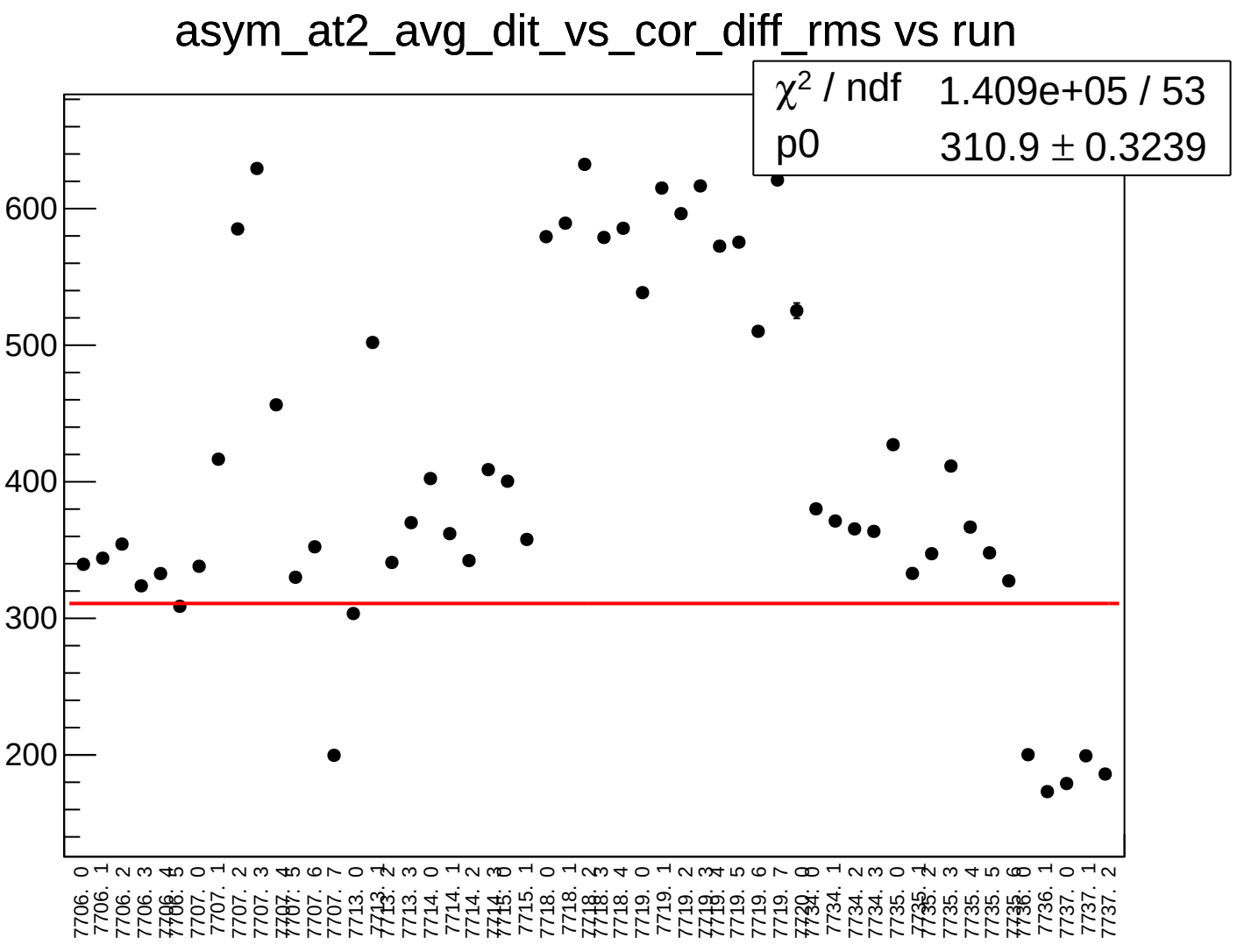

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.97 / 53
p0 −1.8e−12 ± 8.677e−13
pull
Entries 54
Mean 1124
Std Dev 0

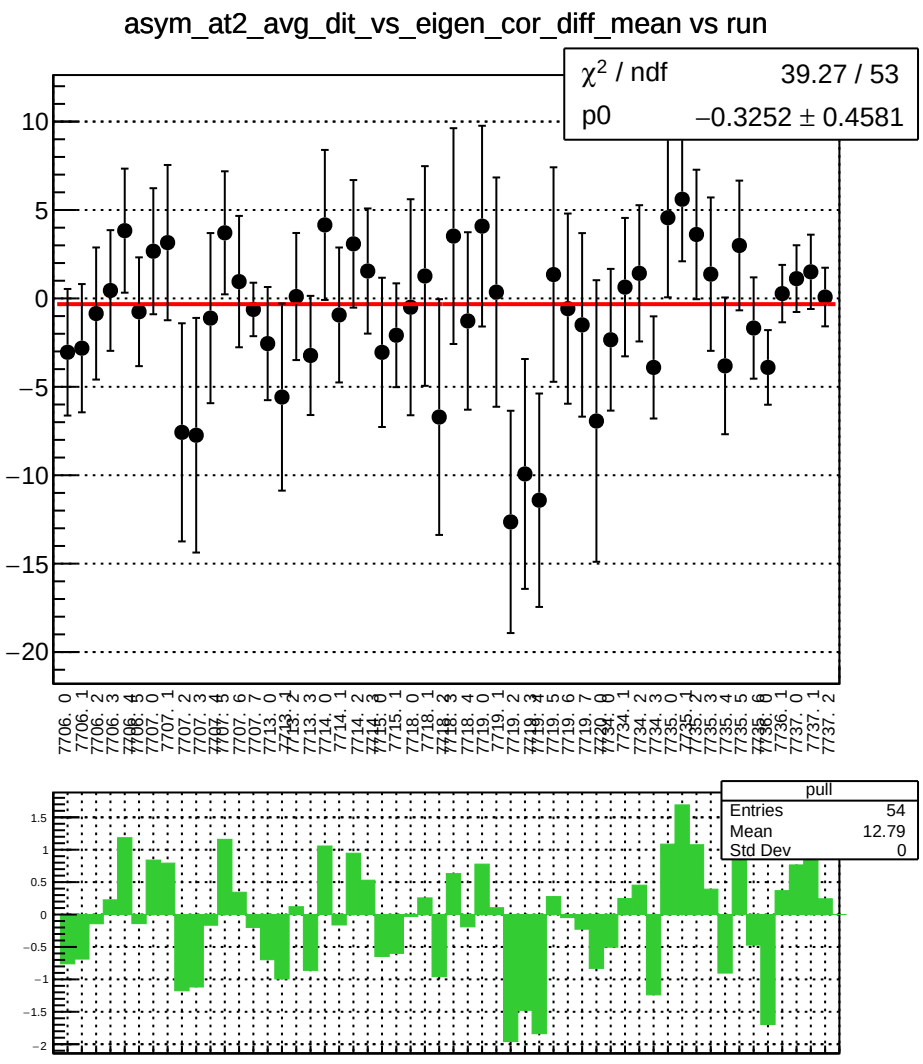

pull1D
Entries 54
Mean 0.001651
Std Dev 0.9715

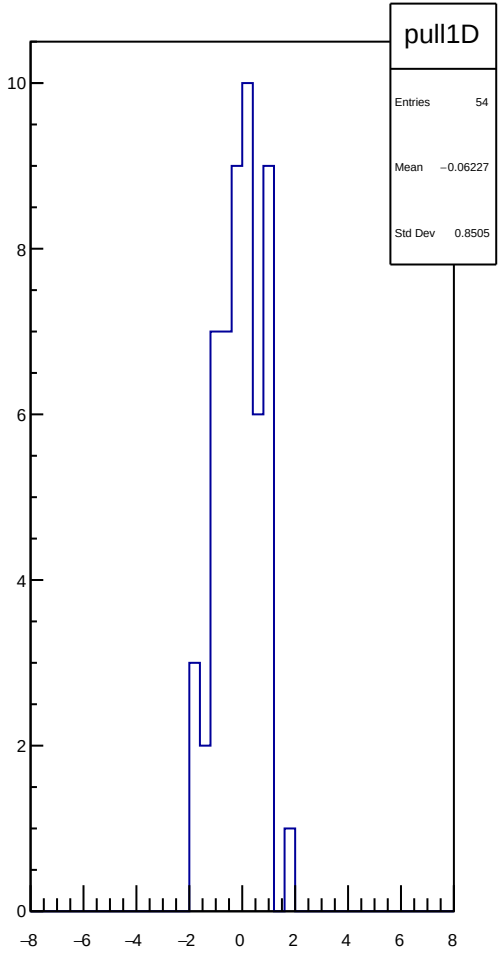

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.743e+05 / 53
p0 3.29e−10 ± 6.135e−13
1
0.8
0.6
0.4
0.2
0

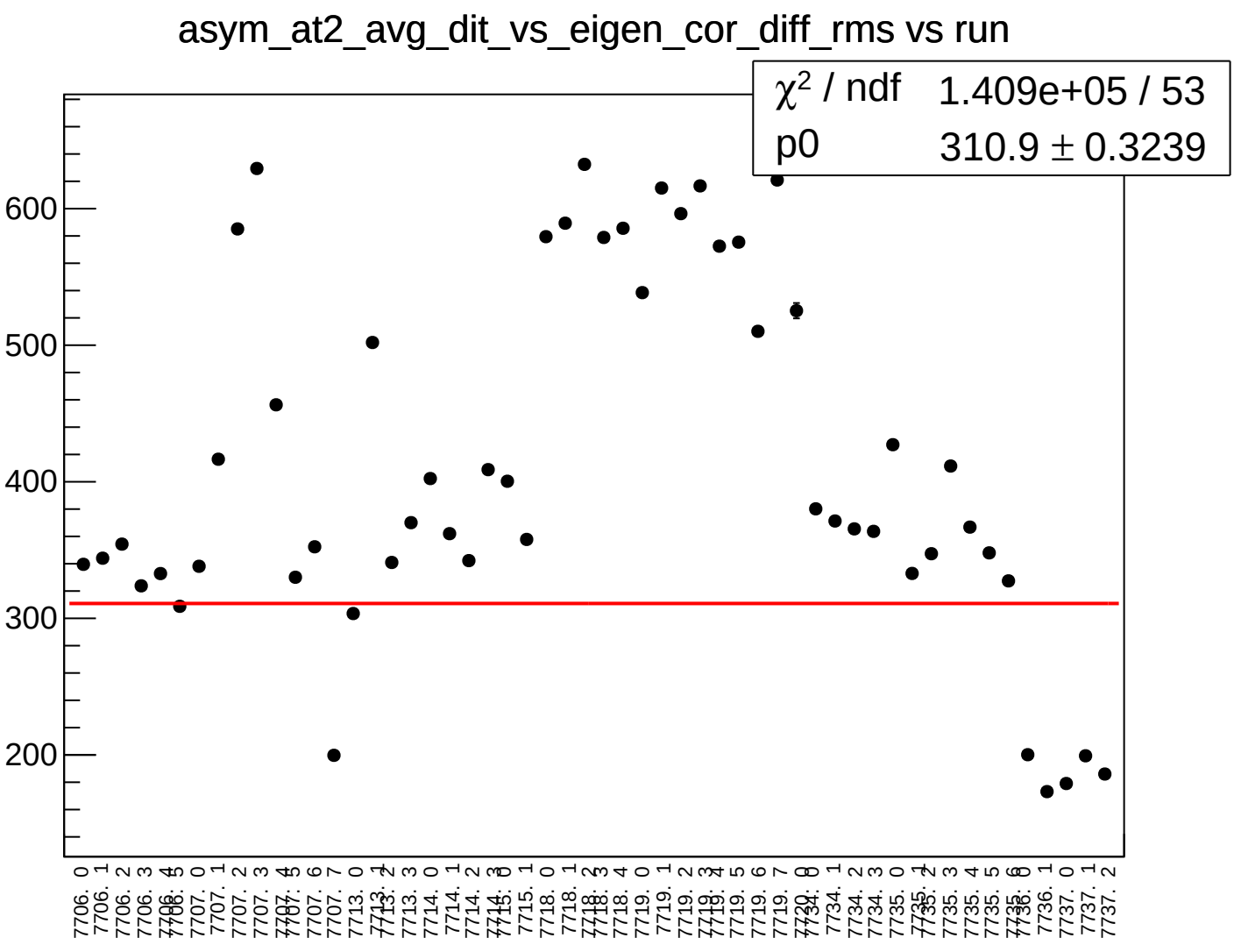

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.27 / 53
p0 −0.3252 ± 0.4581
pull
Entries 54
Mean 12.79
Std Dev 0

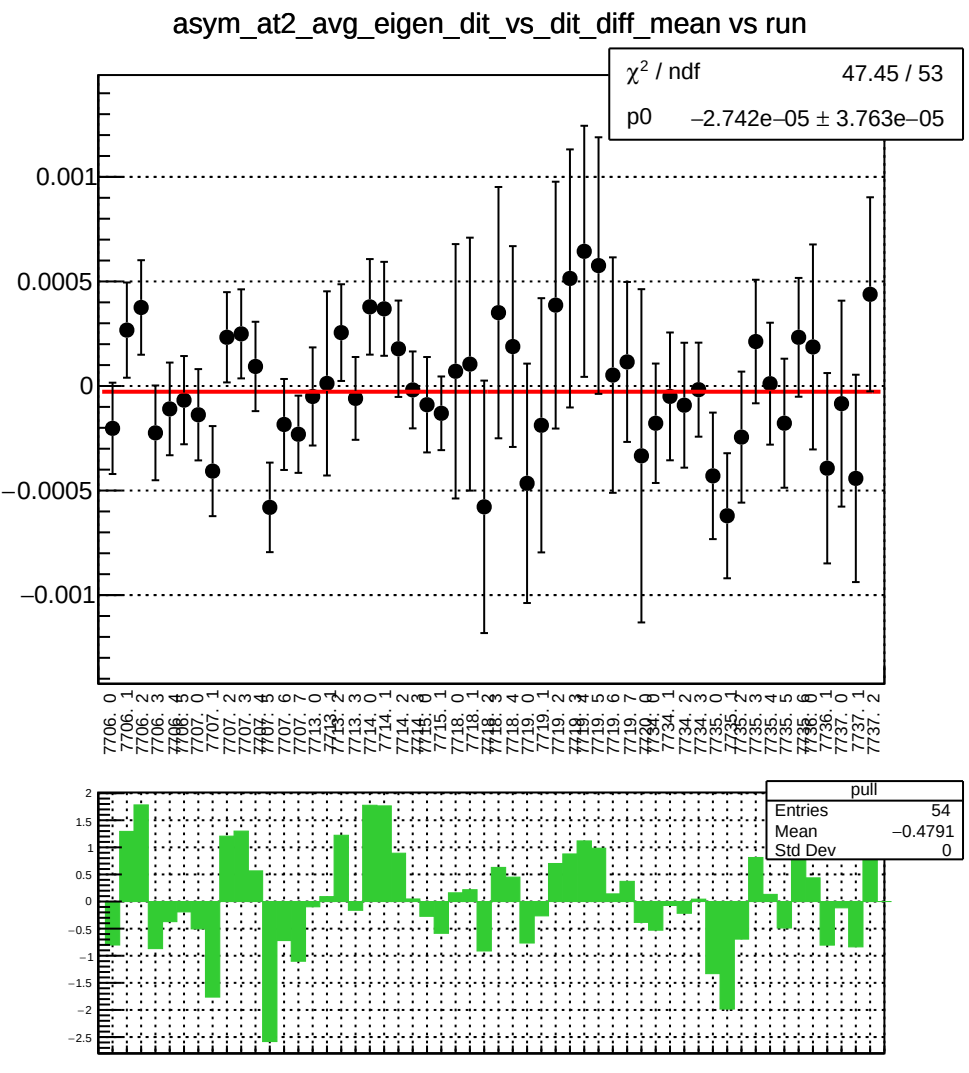

pull1D
Entries 54
Mean −0.06227
Std Dev 0.8505

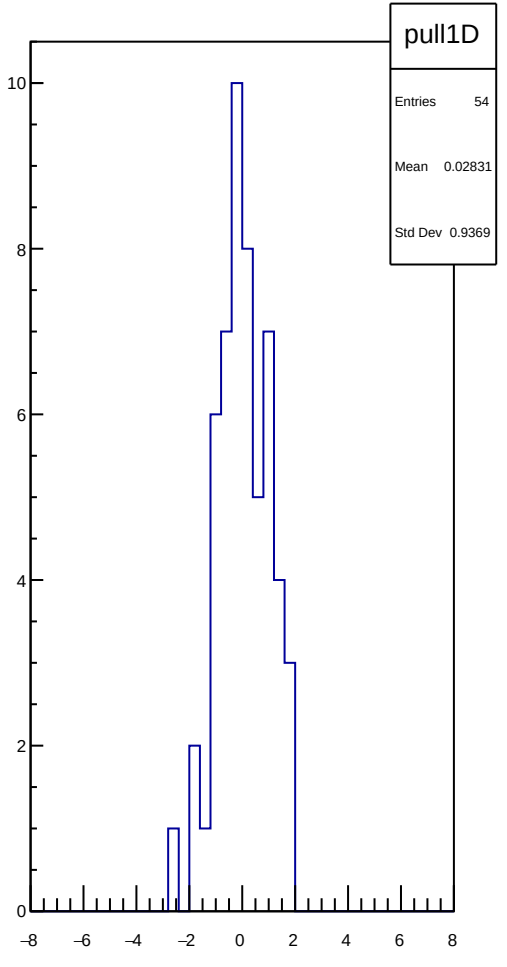

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.409e+05 / 53
p0 310.9 ± 0.3239
600
500
400
300
200

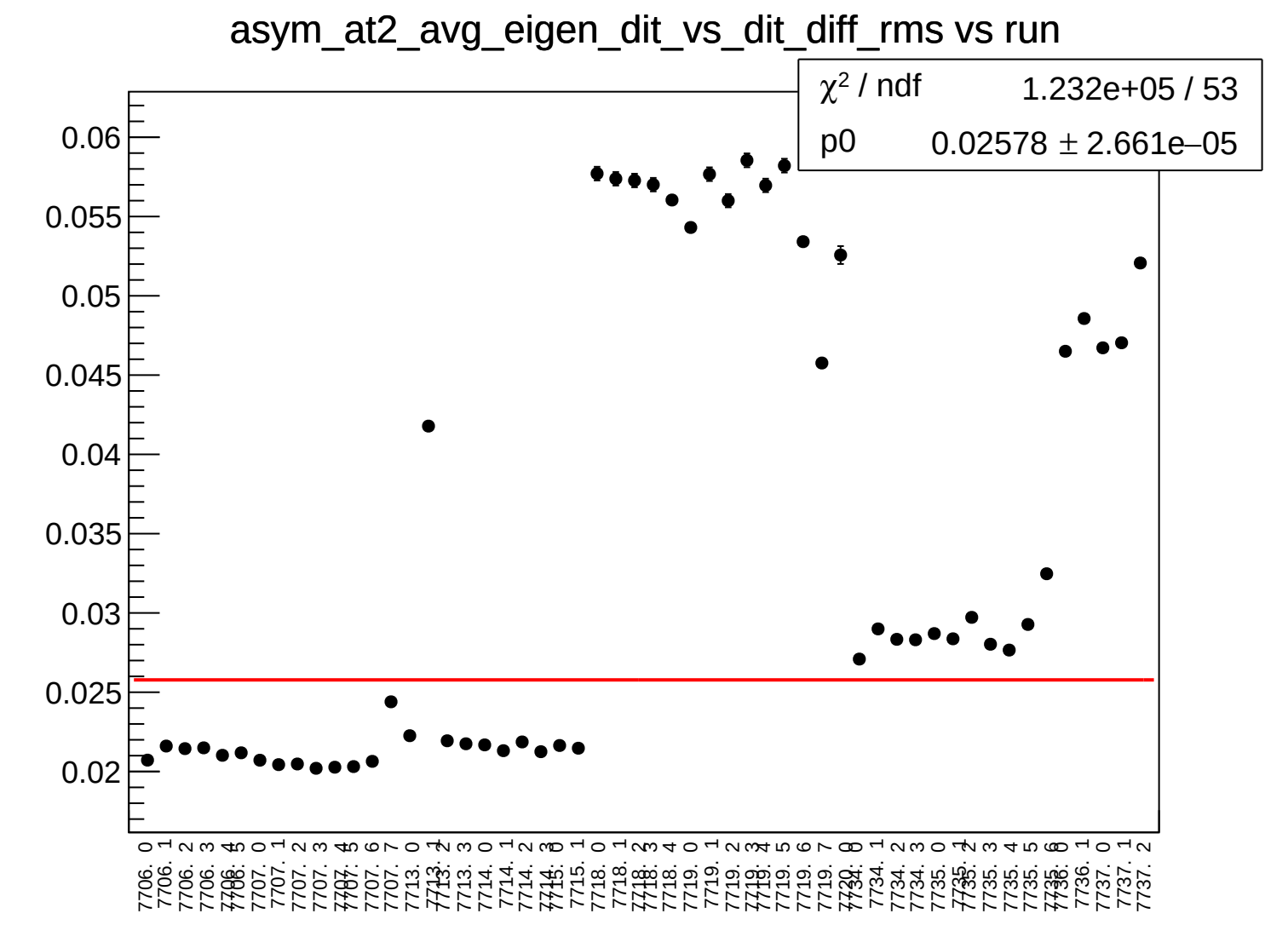

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.27 / 53
p0 −0.3252 ± 0.4581
pull
Entries 54
Mean 12.79
Std Dev 0

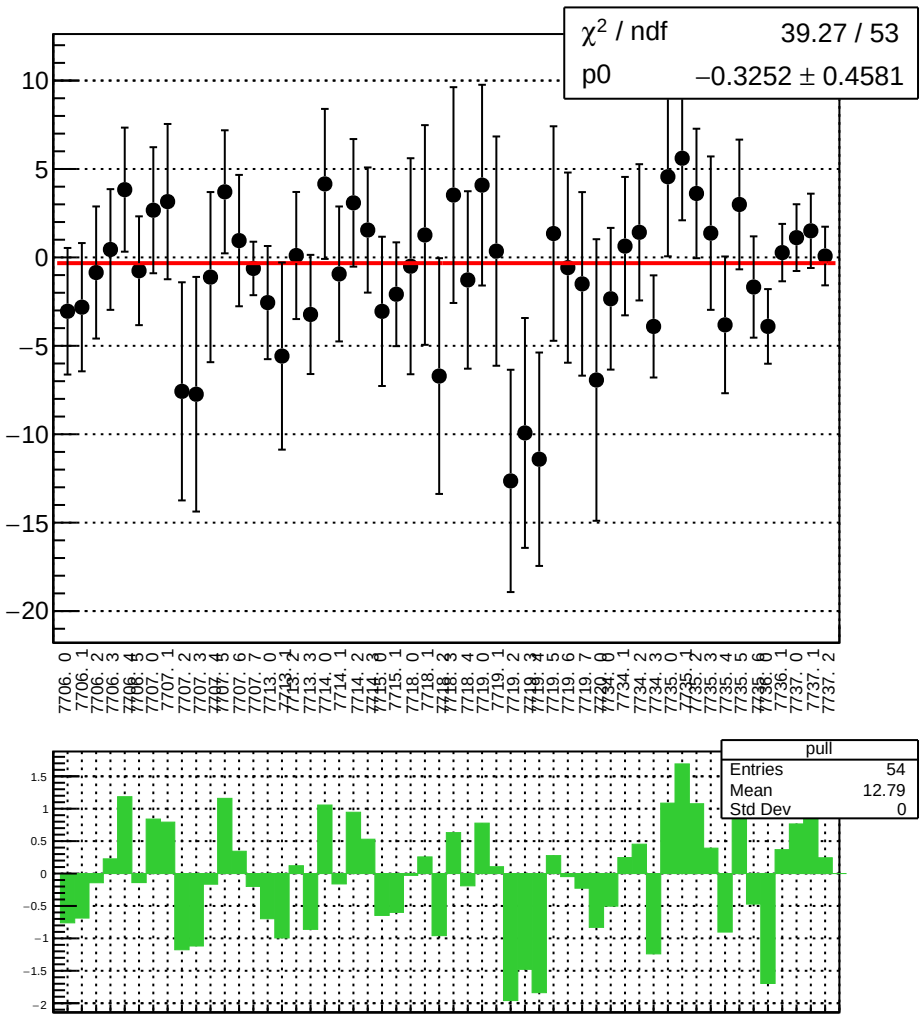

pull1D
Entries 54
Mean −0.06227
Std Dev 0.8505

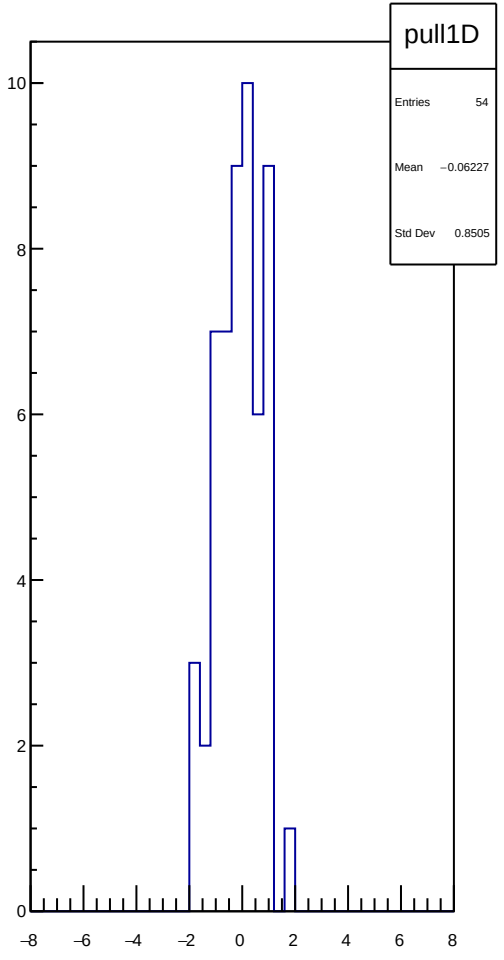

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.409e+05 / 53
p0 310.9 ± 0.3239
600
500
400
300
200

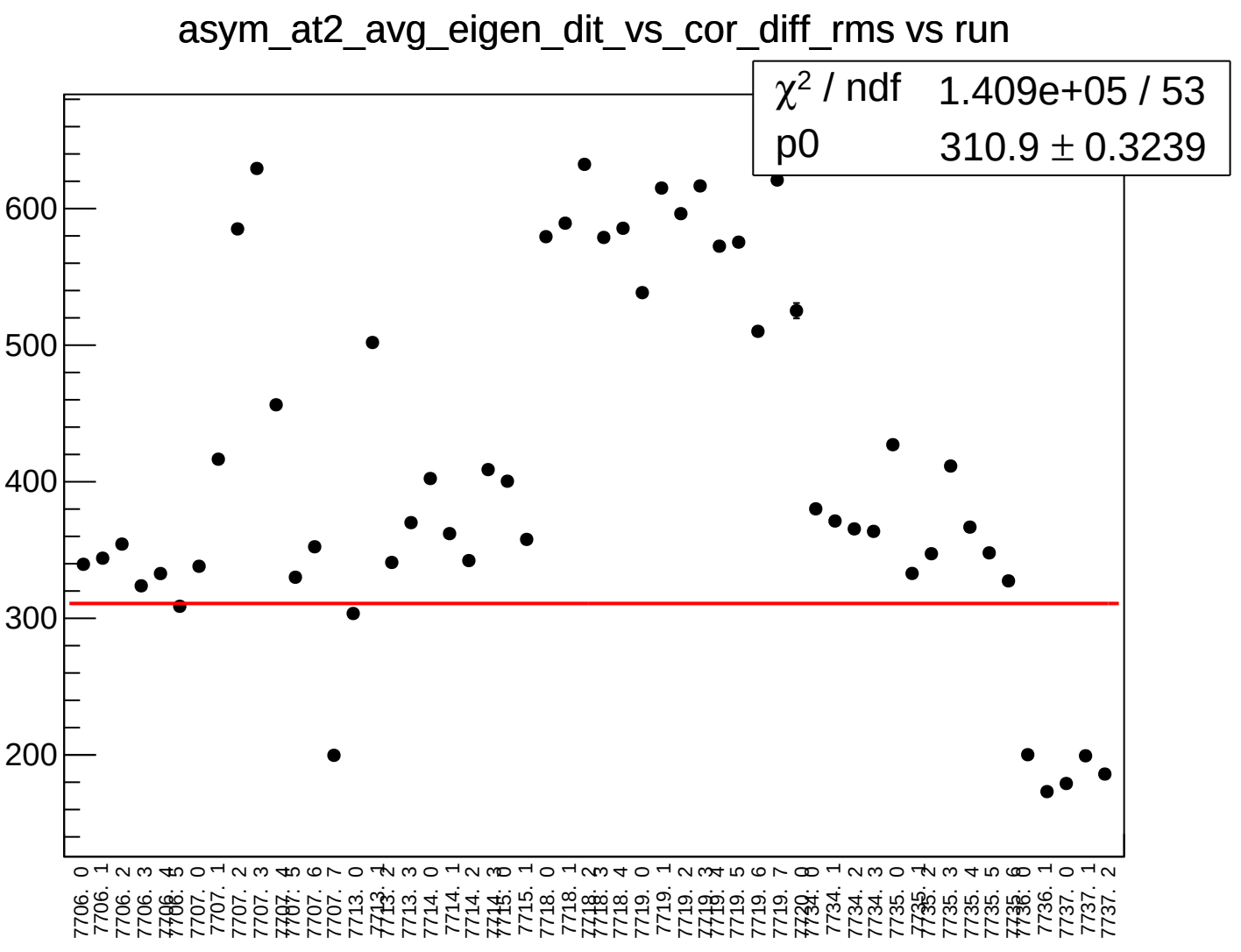

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 47.45 / 53
p0 −2.742e−05 ± 3.763e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −0.4791
Std Dev 0

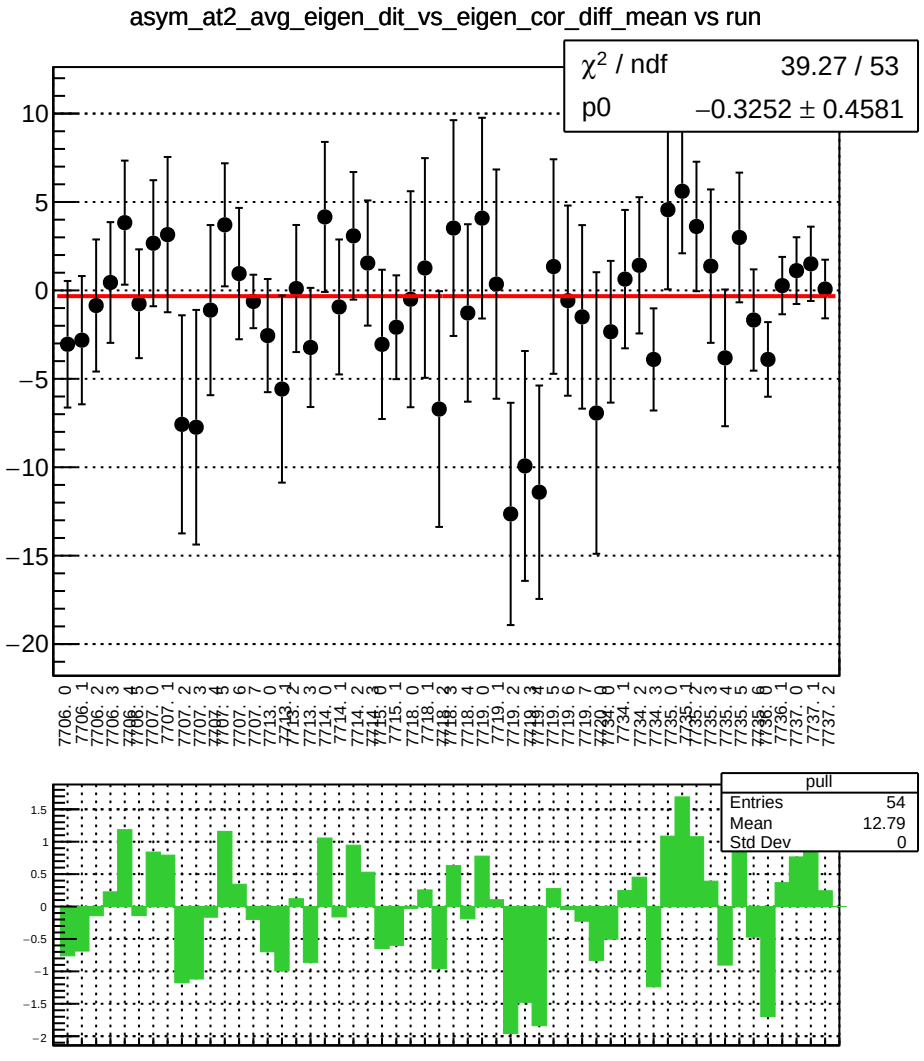

pull1D
Entries 54
Mean 0.02831
Std Dev 0.9369

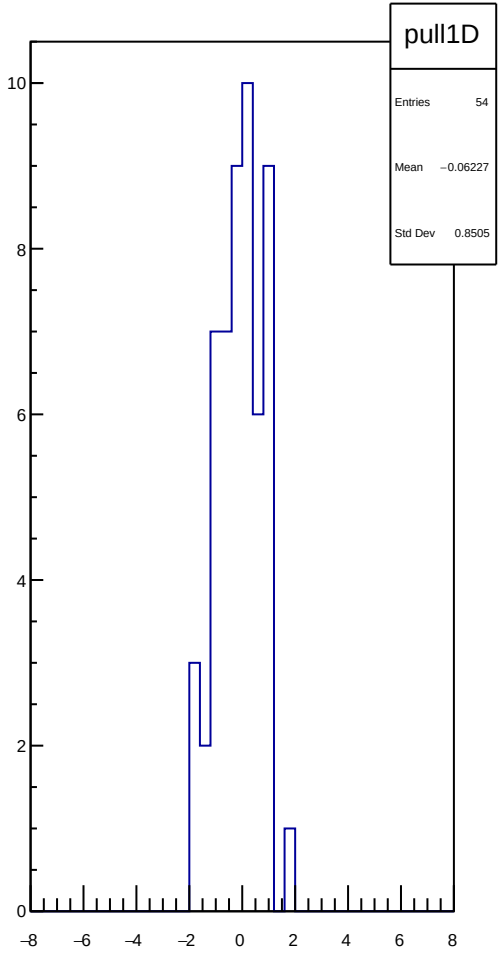

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.232e+05 / 53
p0 0.02578 ± 2.661e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02

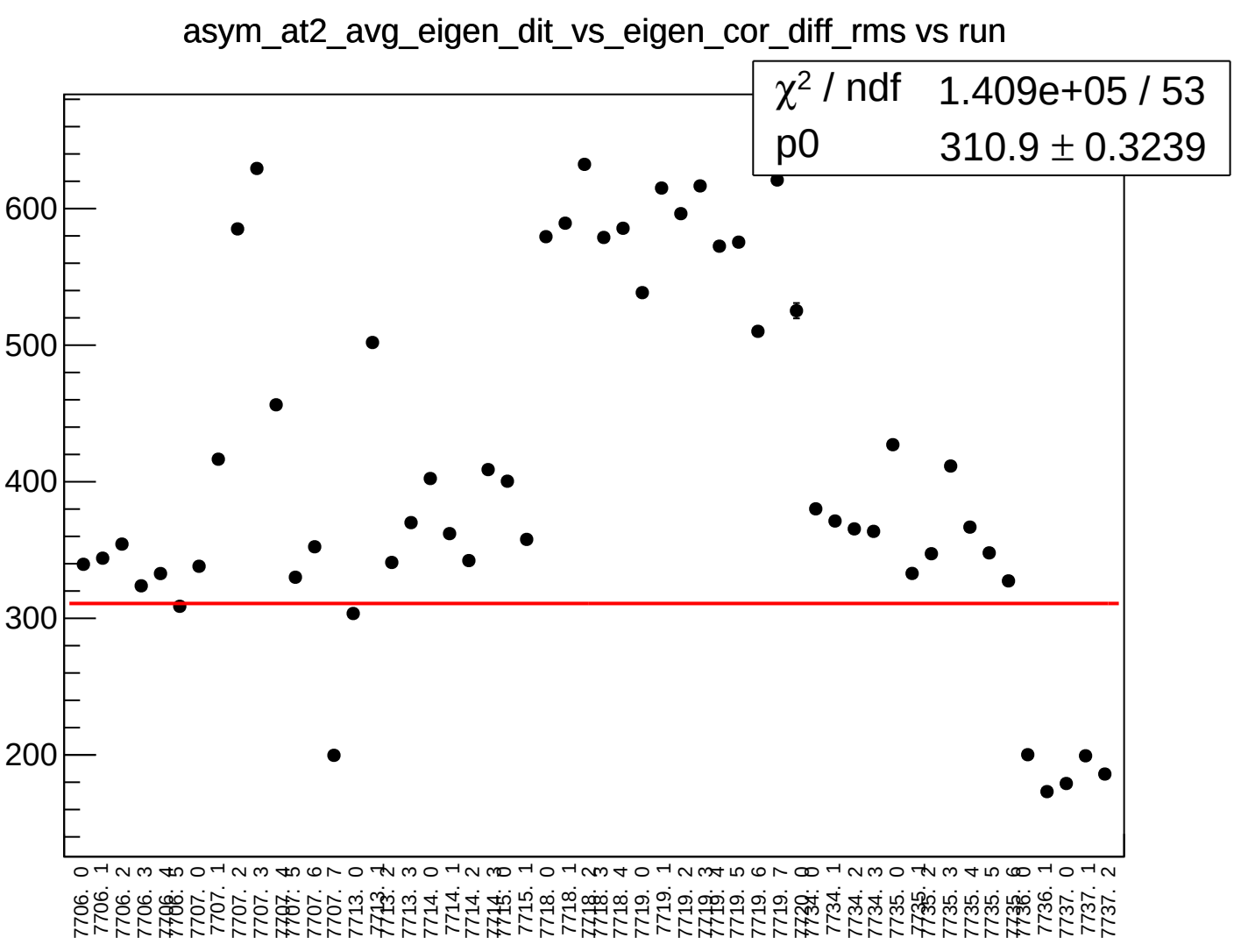

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.27 / 53
p0 −0.3252 ± 0.4581
pull
Entries 54
Mean 12.79
Std Dev 0

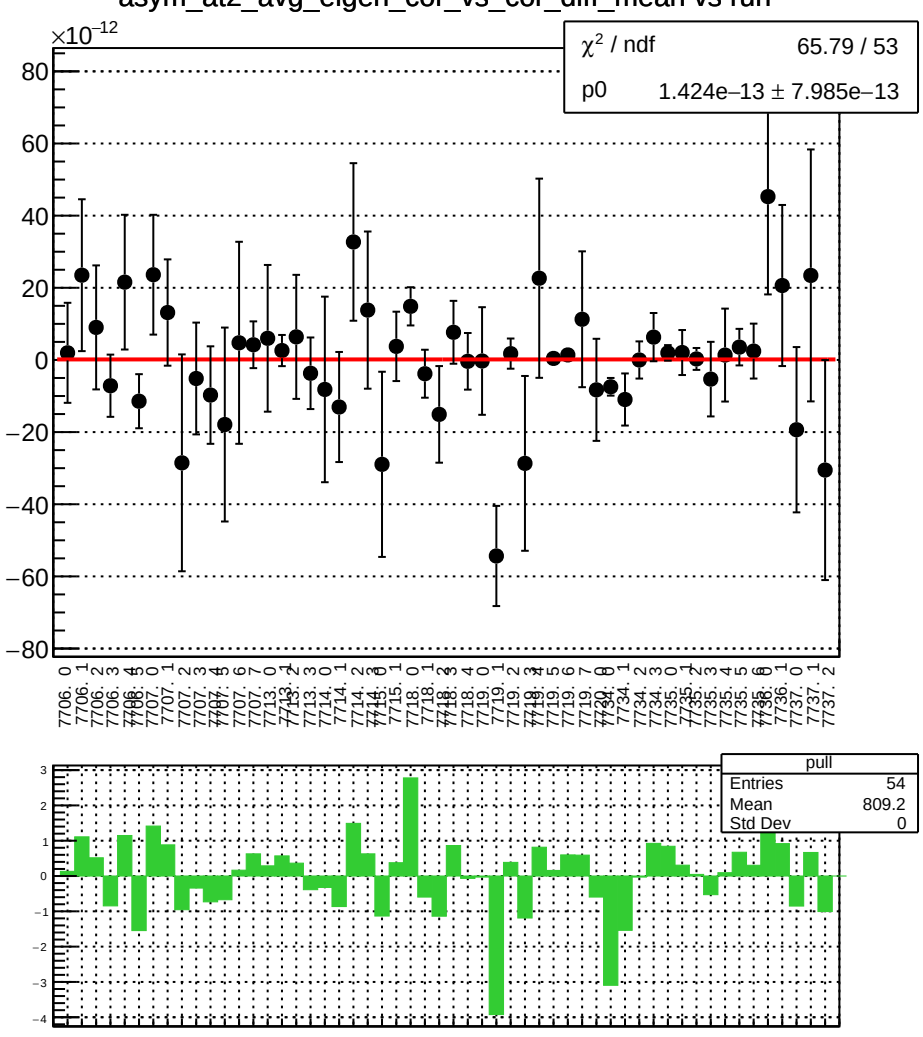

pull1D
Entries 54
Mean −0.06227
Std Dev 0.8505

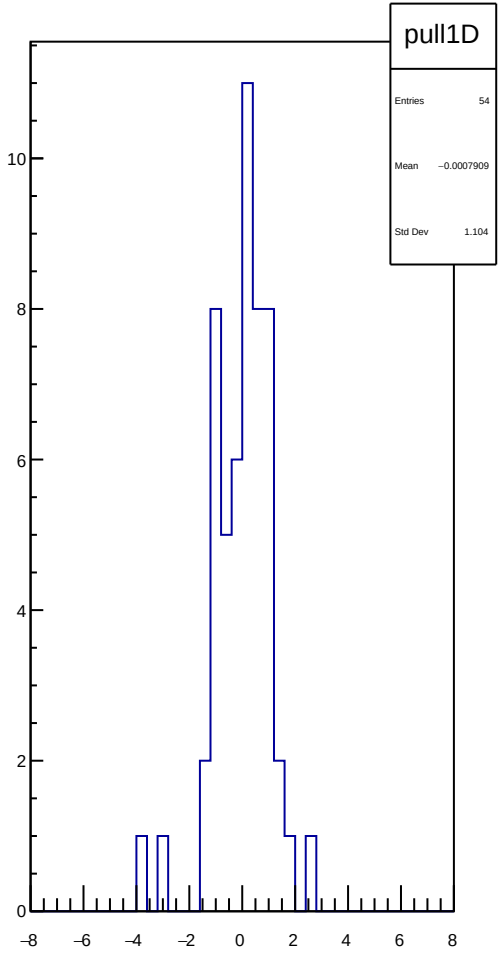

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.409e+05 / 53
p0 310.9 ± 0.3239
600
500
400
300
200

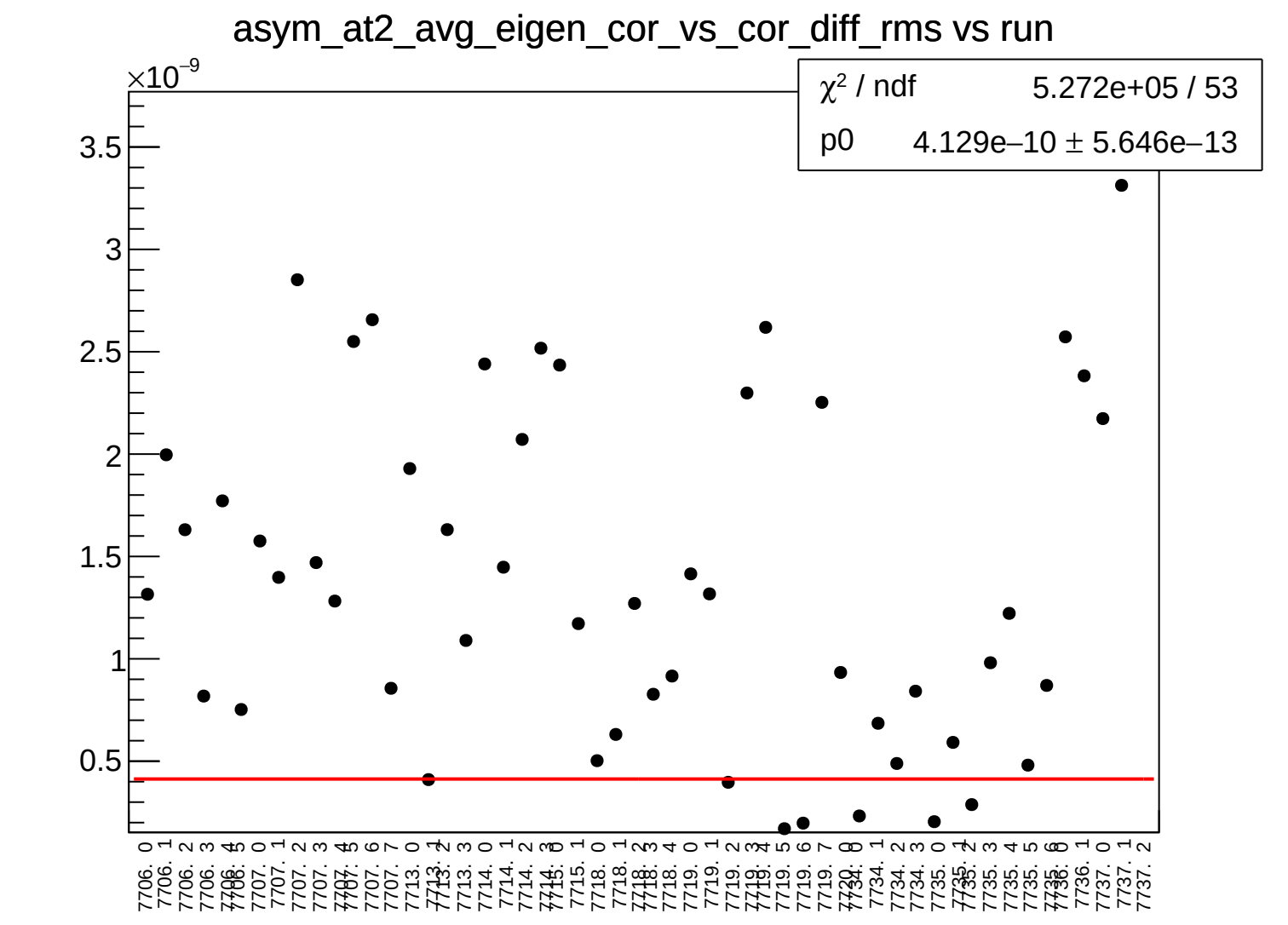

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.27 / 53
p0 −0.3252 ± 0.4581
pull
Entries 54
Mean 12.79
Std Dev 0

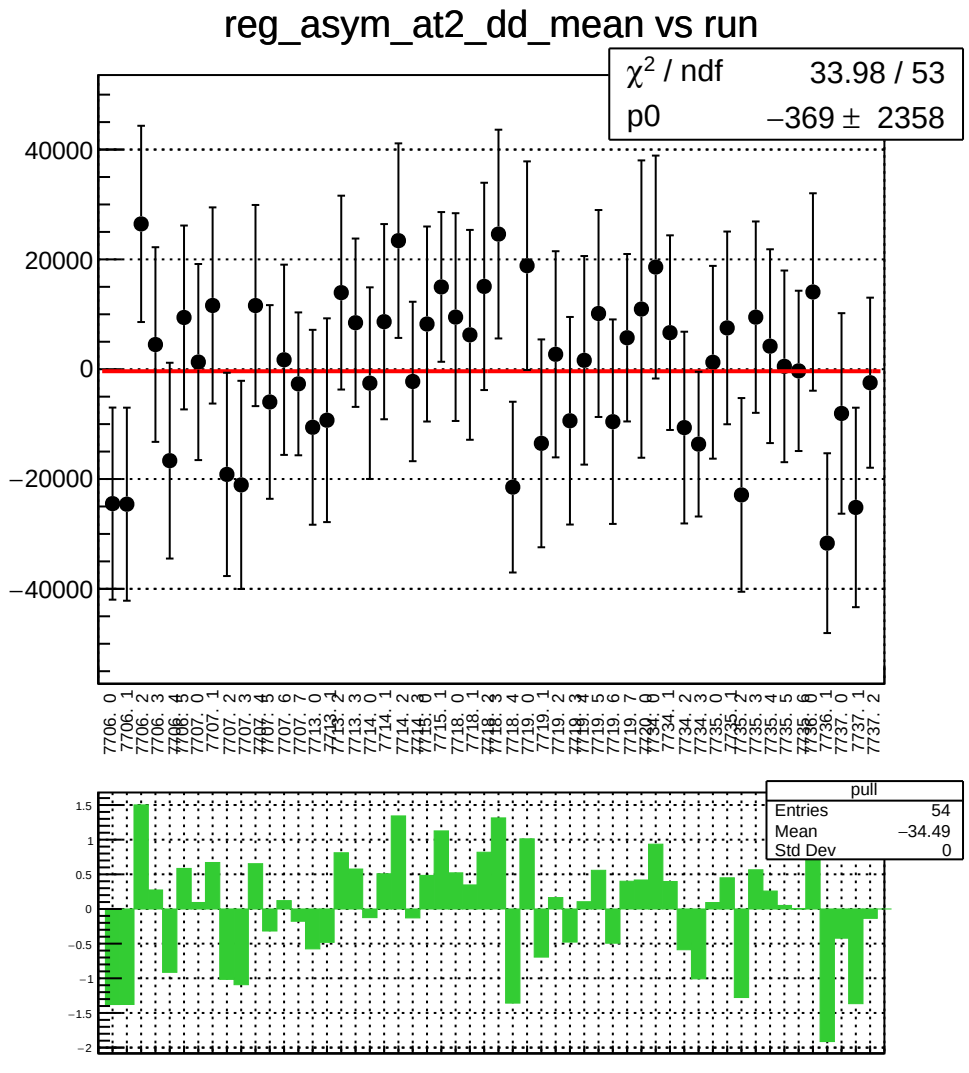

pull1D
Entries 54
Mean −0.06227
Std Dev 0.8505

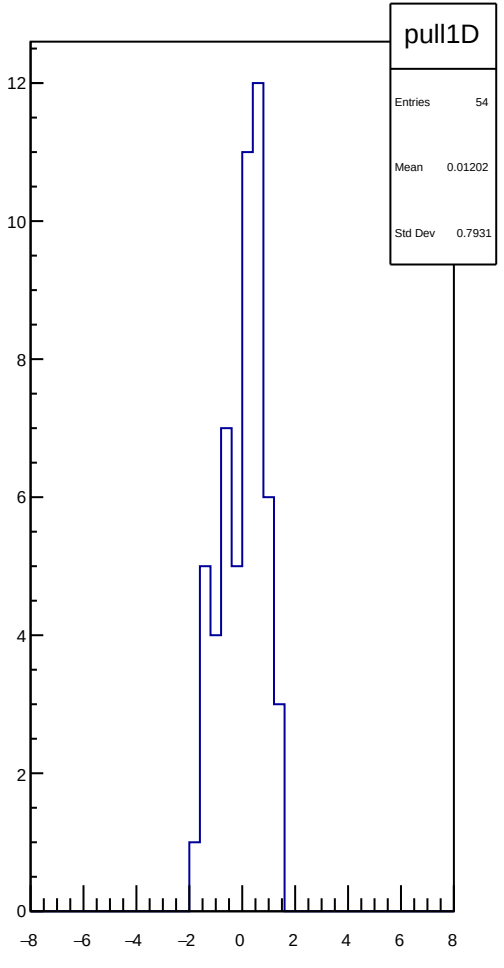

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.409e+05 / 53
p0 310.9 ± 0.3239
600
500
400
300
200

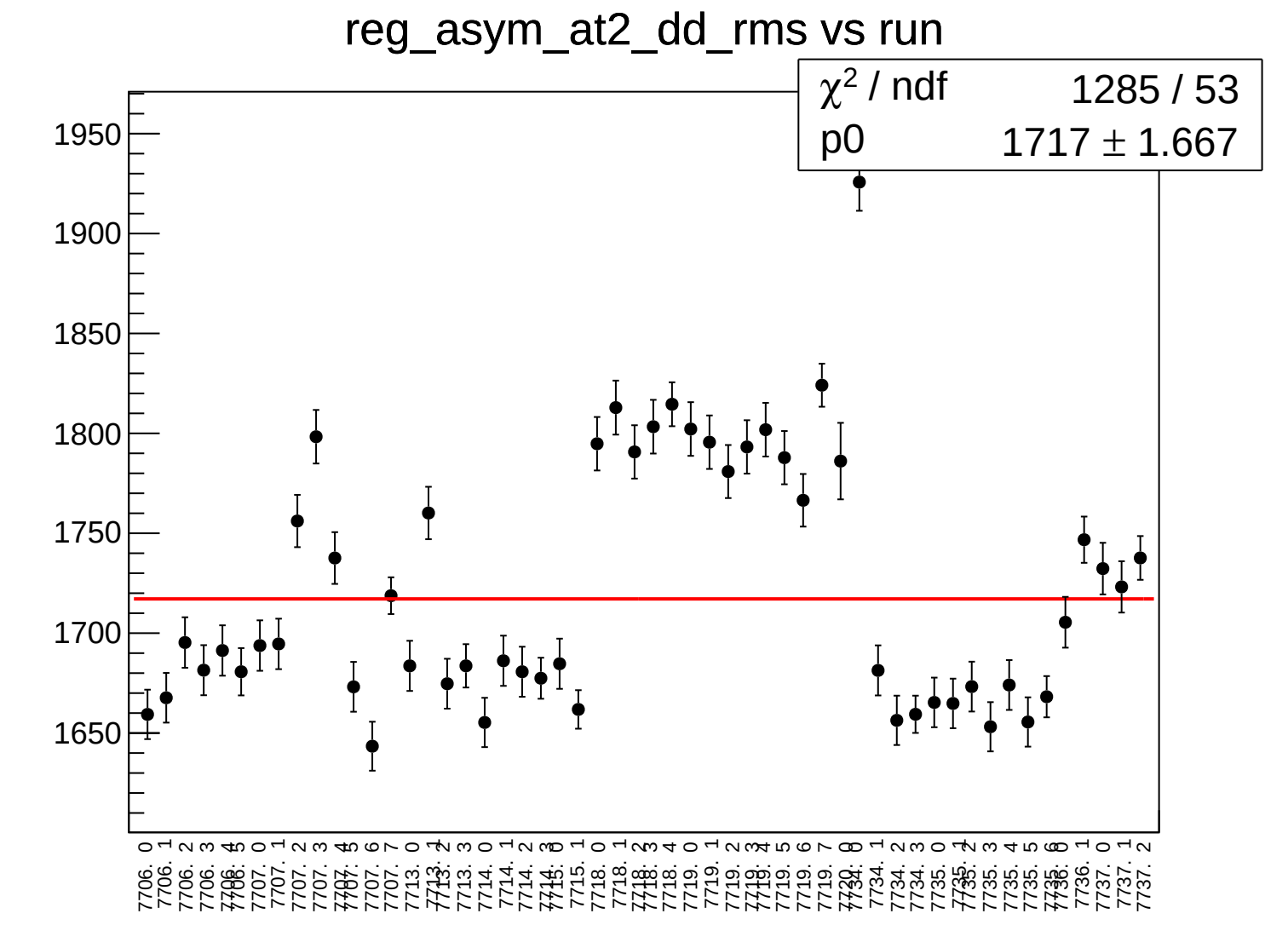

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.79 / 53
p0 1.424e−13 ± 7.985e−13
pull
Entries 54
Mean 809.2
Std Dev 0

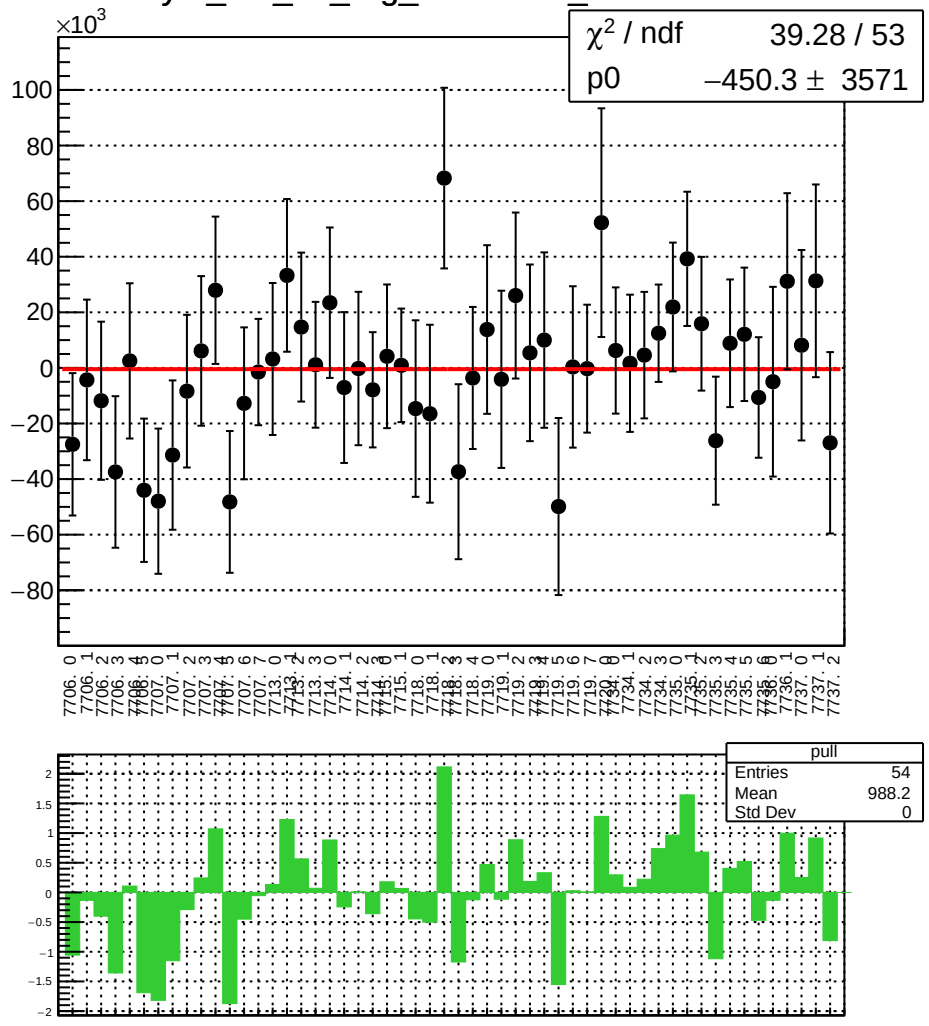

pull1D
Entries 54
Mean −0.0007909
Std Dev 1.104

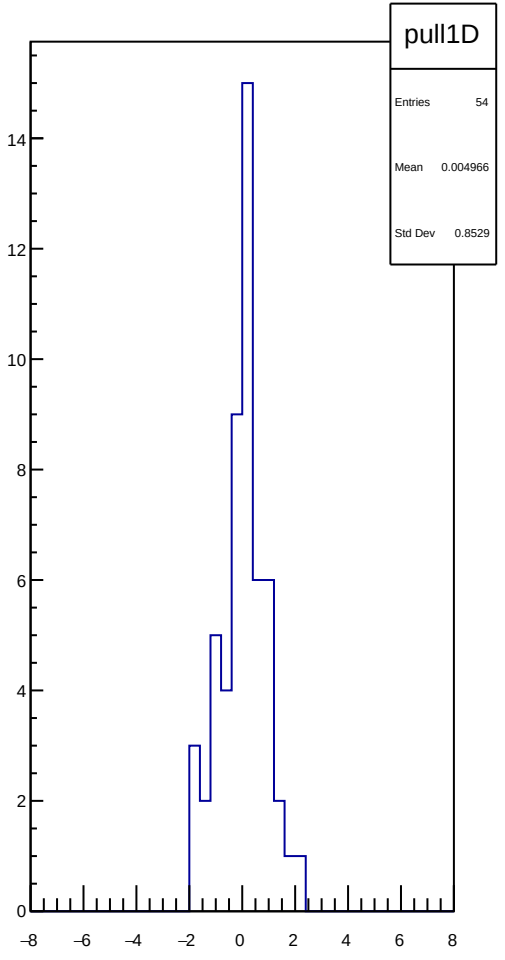

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.272e+05 / 53
p0 4.129e−10 ± 5.646e−13
3.5
3
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

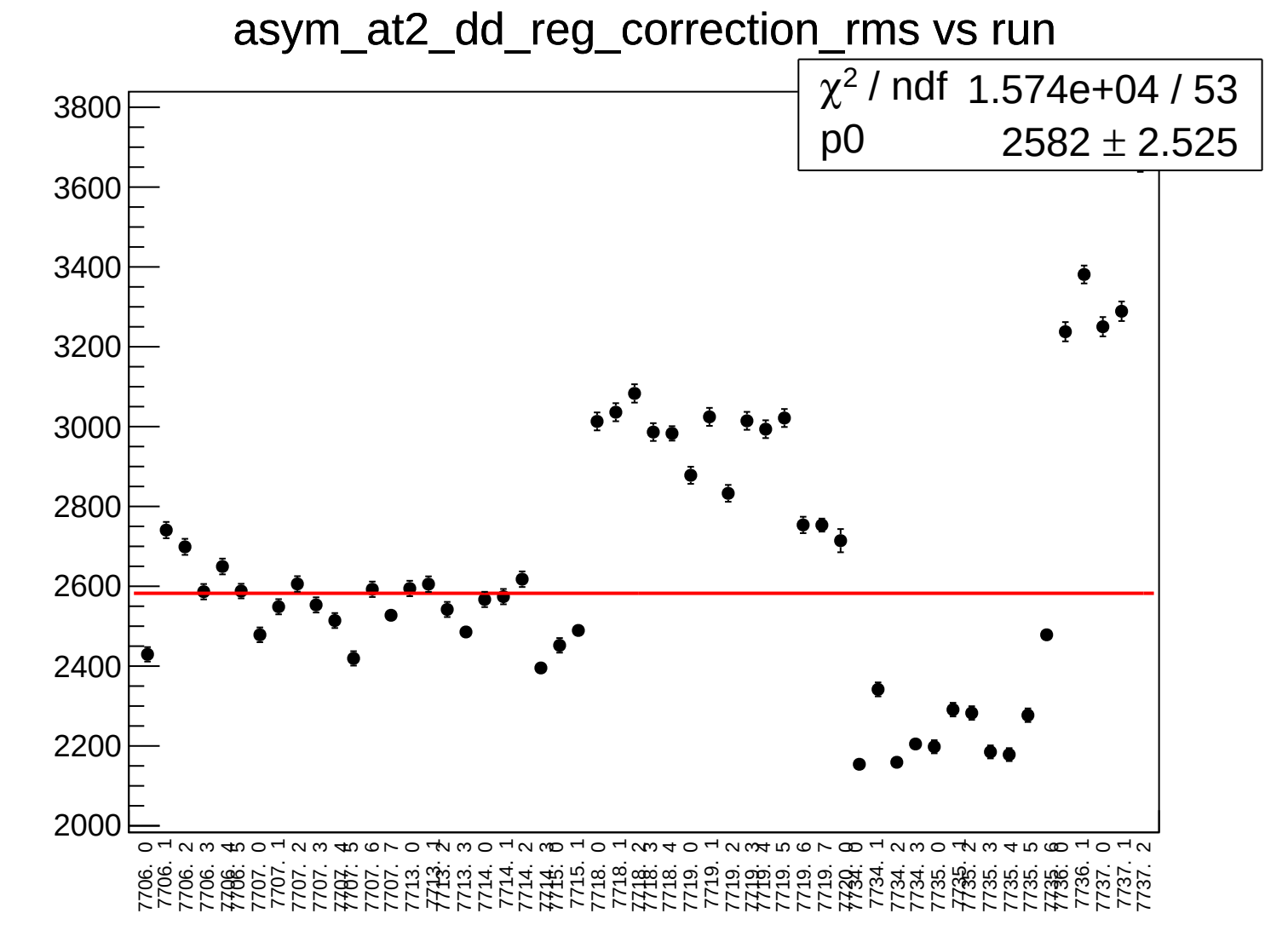

reg_asym_at2_dd_mean vs run
χ² / ndf 33.98 / 53
p0 −369 ± 2358
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −34.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

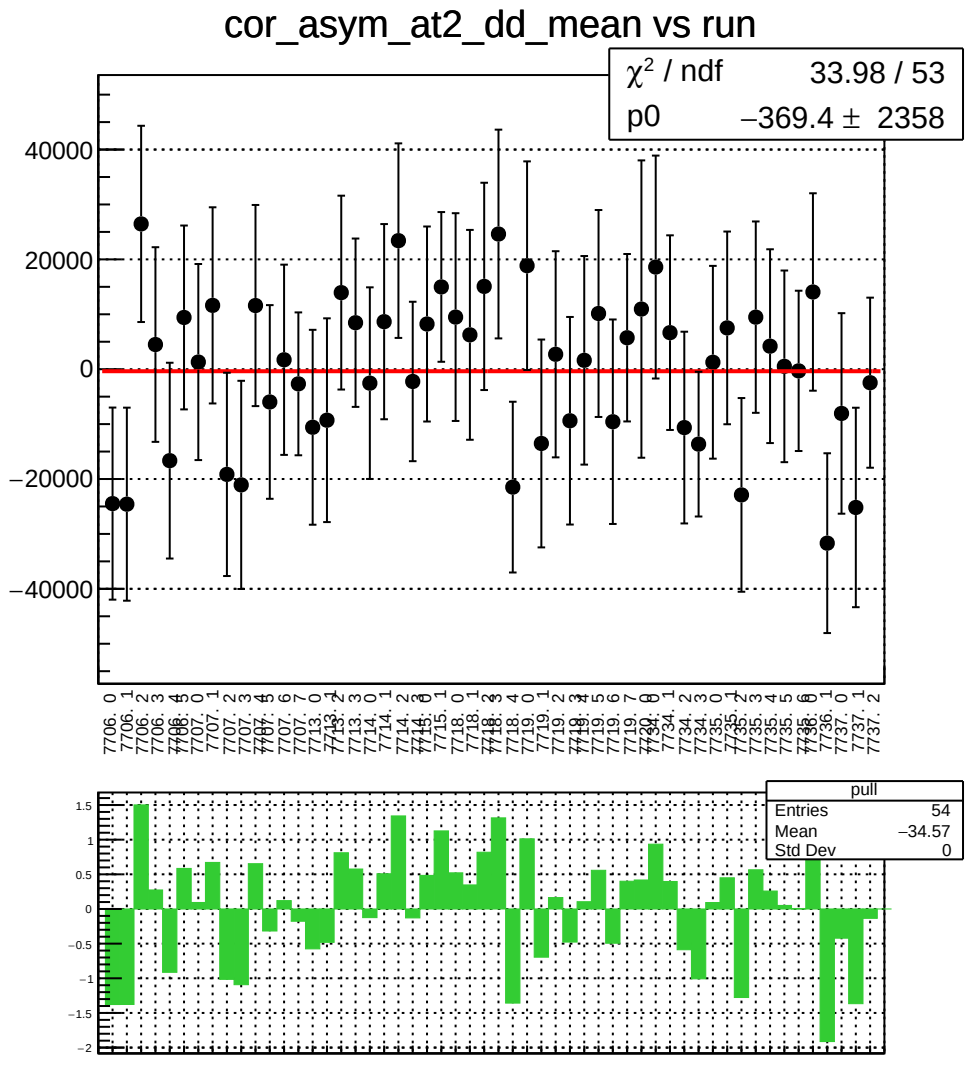

pull1D
Entries 54
Mean 0.01202
Std Dev 0.7931
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

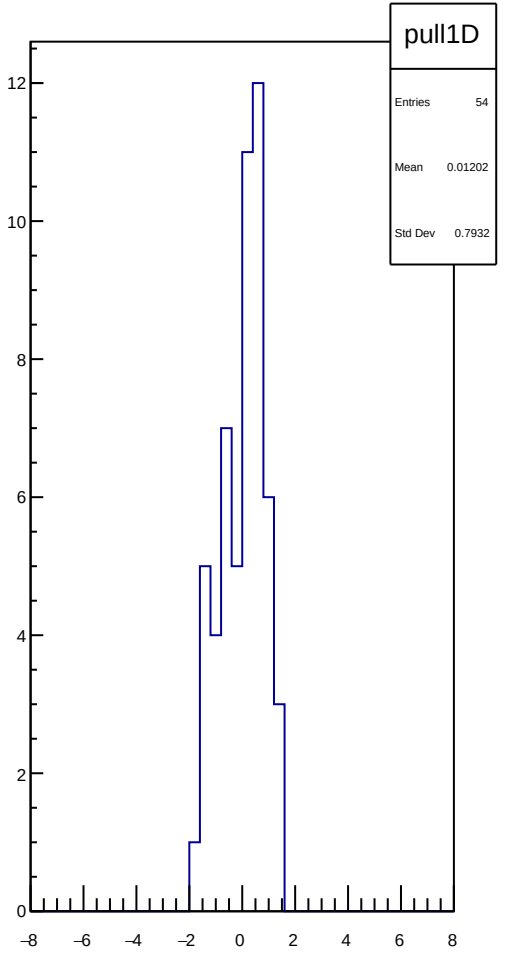

reg_asym_at2_dd_rms vs run
χ^2 / ndf 1285 / 53
p0 1717 ± 1.667
1950
1900
1850
1800
1750
1700
1650

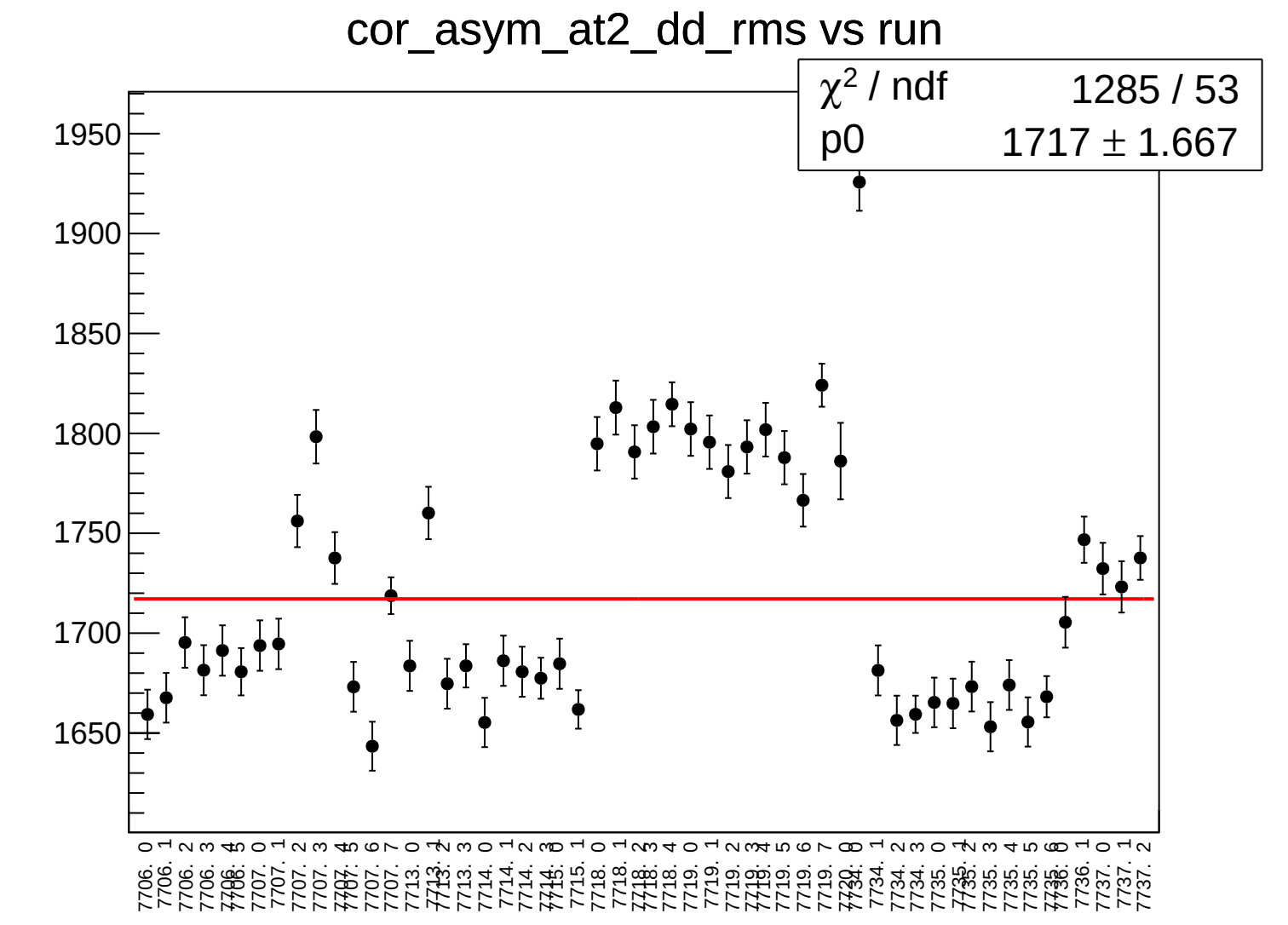

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 39.28 / 53
p0 −450.3 ± 3571
pull
Entries 54
Mean 988.2
Std Dev 0

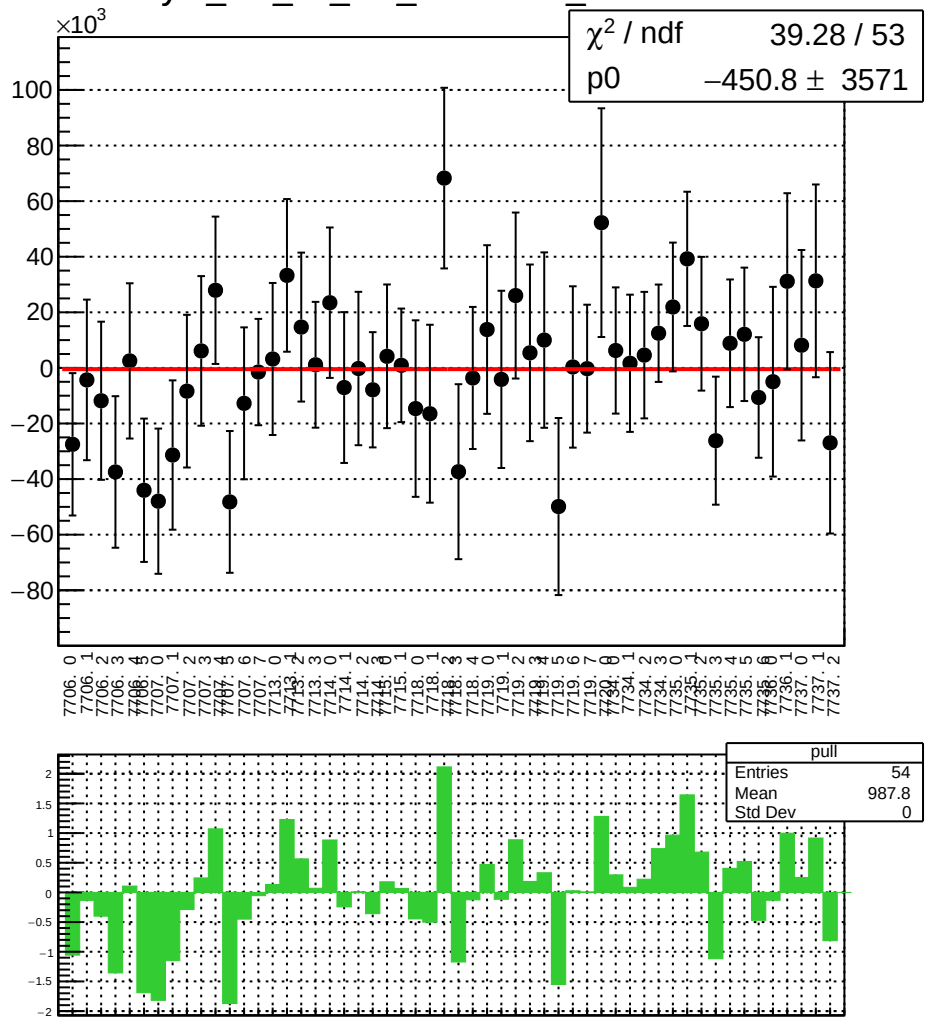

pull1D
Entries 54
Mean 0.004966
Std Dev 0.8529

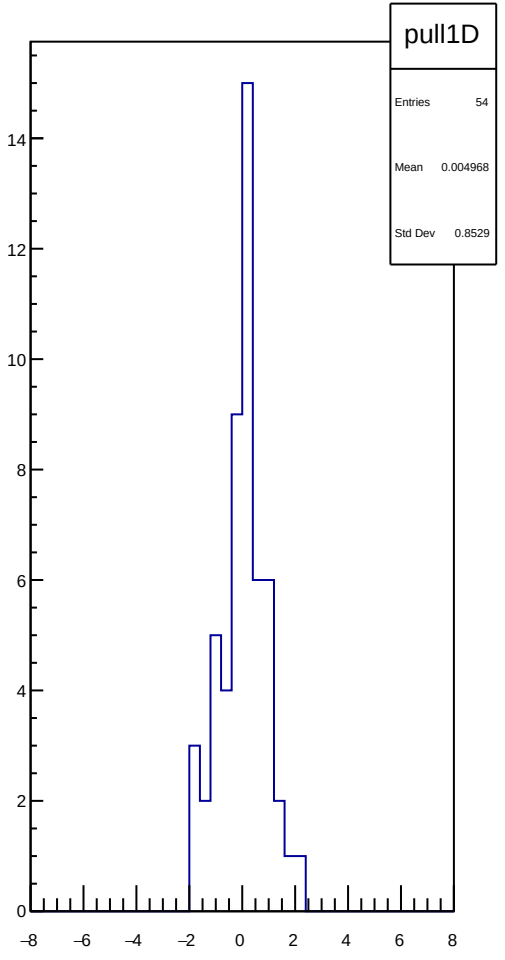

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1.574e+04 / 53
p0 2582 ± 2.525
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

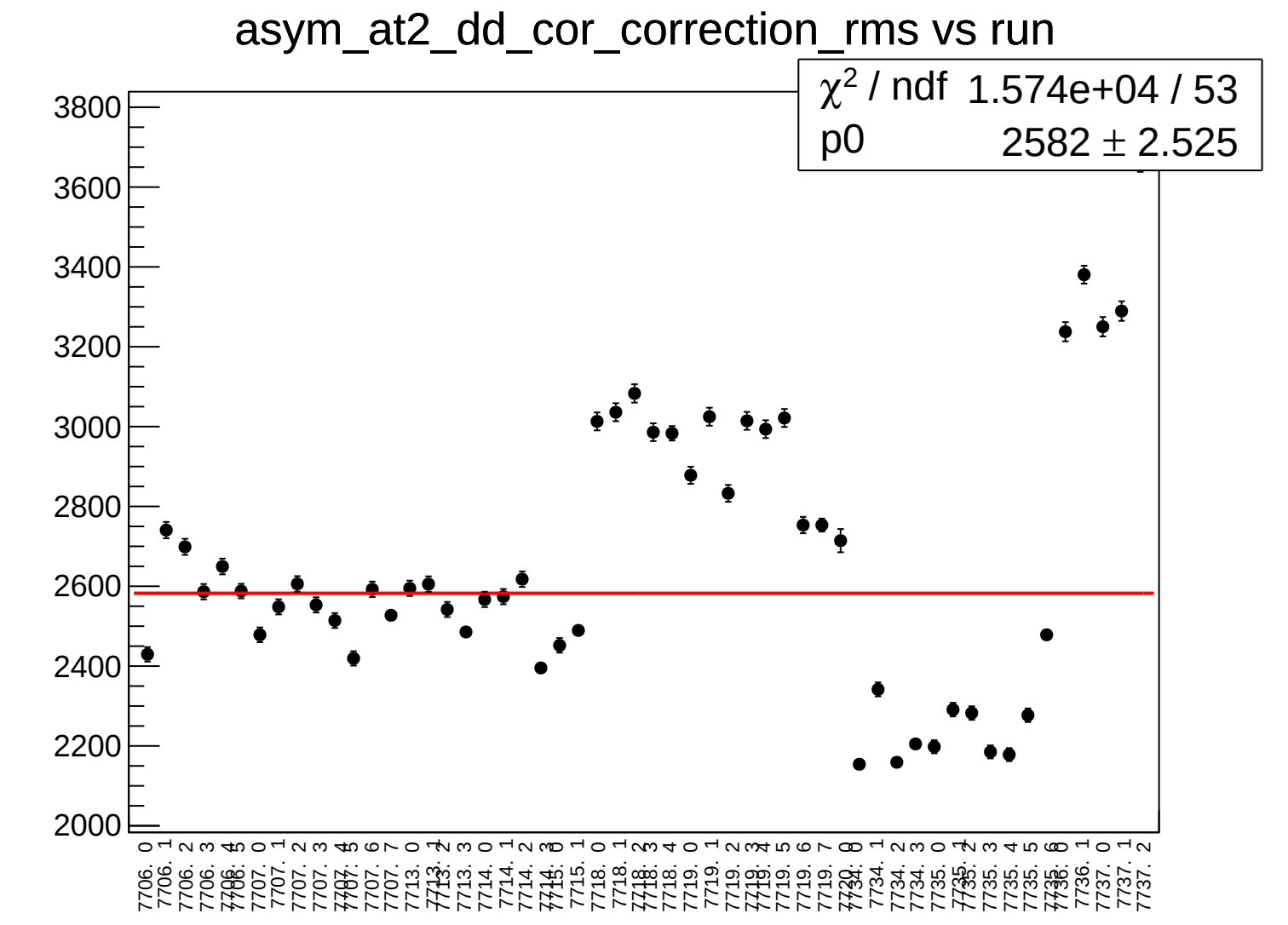

cor_asym_at2_dd_mean vs run
χ² / ndf 33.98 / 53
p0 −369.4 ± 2358
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −34.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

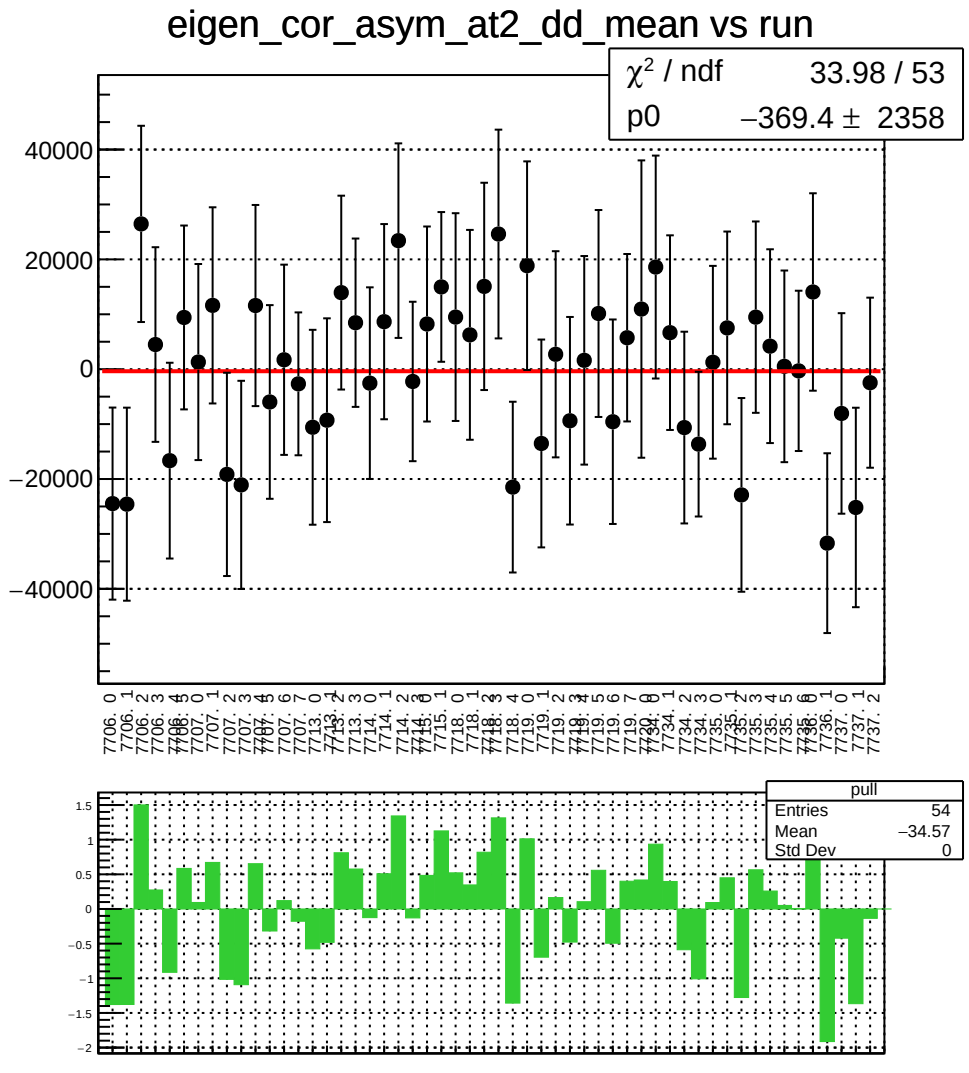

pull1D
Entries 54
Mean 0.01202
Std Dev 0.7932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

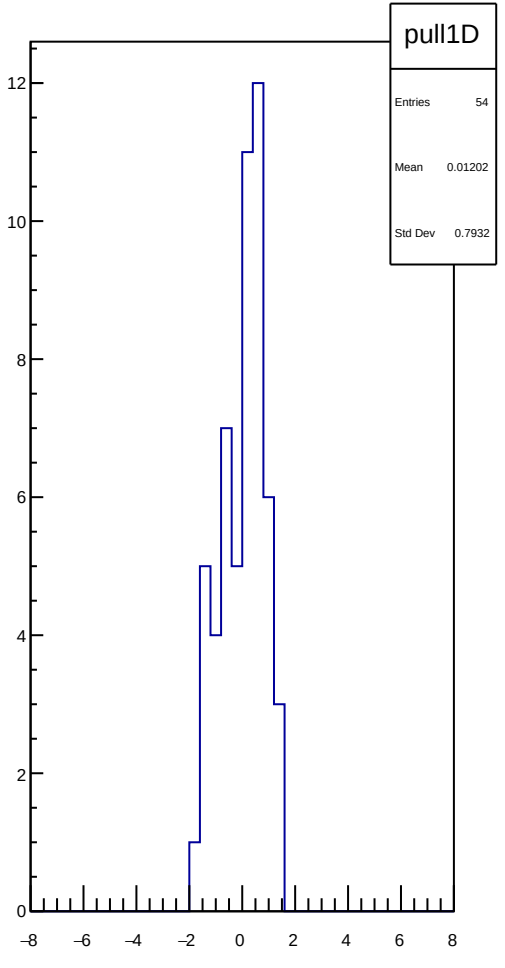

cor_asym_at2_dd_rms vs run
χ² / ndf 1285 / 53
p0 1717 ± 1.667
1950
1900
1850
1800
1750
1700
1650

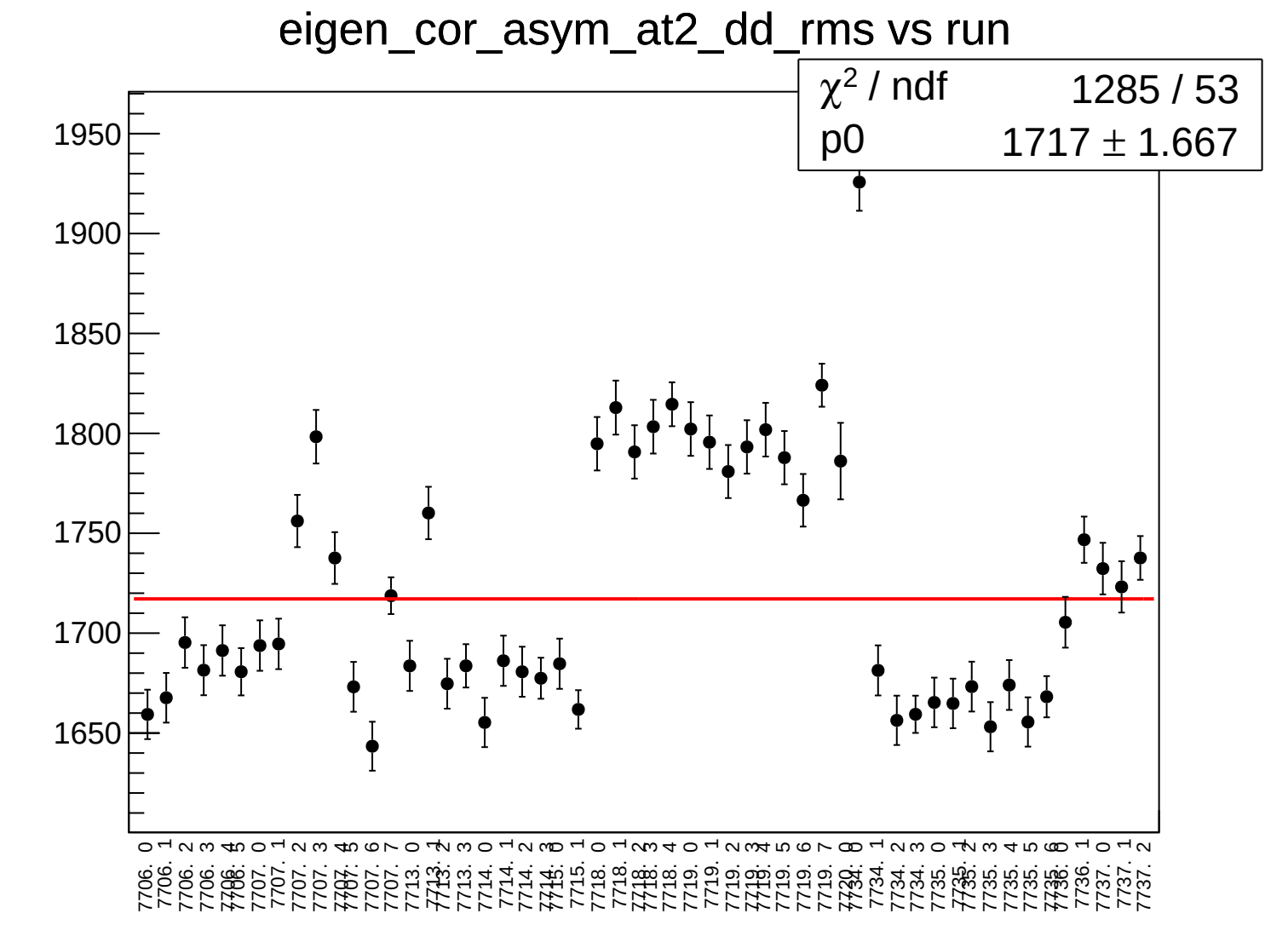

asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.28 / 53
p0 −450.8 ± 3571
pull
Entries 54
Mean 987.8
Std Dev 0

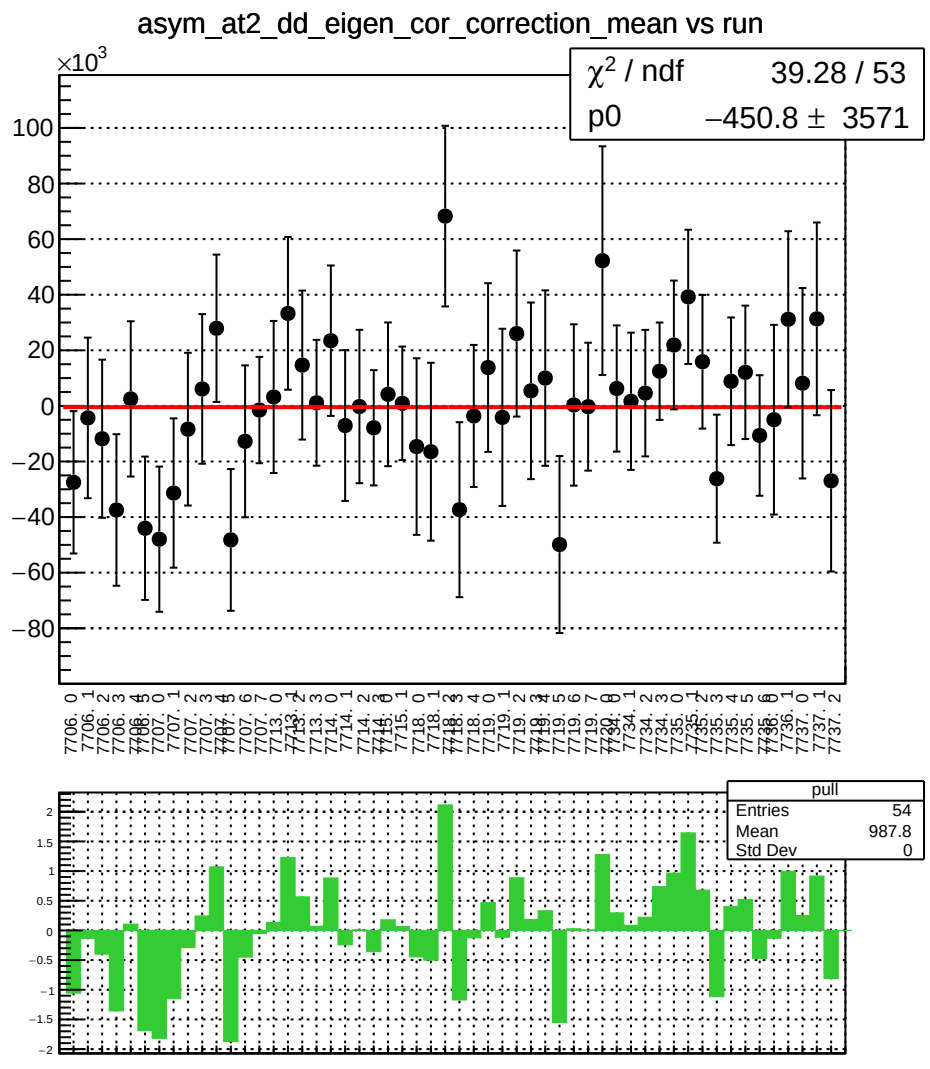

pull1D
Entries 54
Mean 0.004968
Std Dev 0.8529

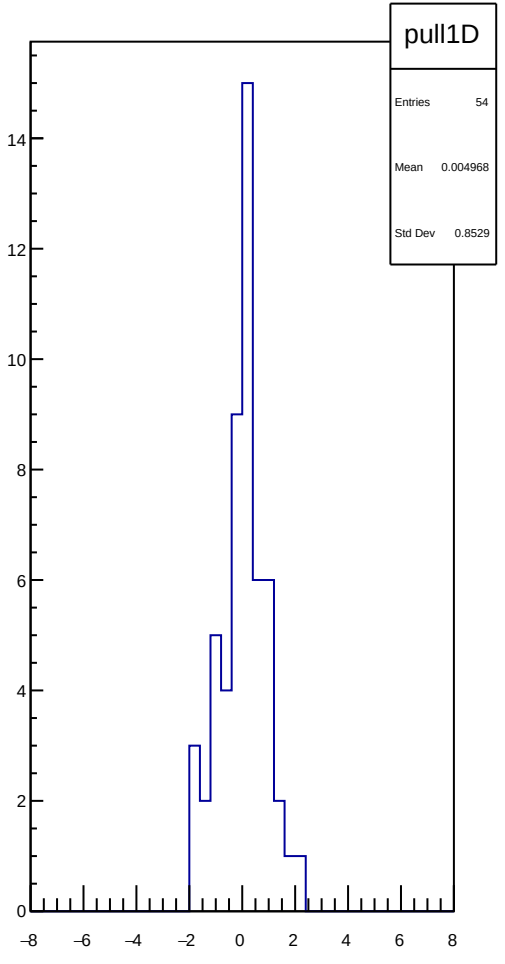

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1.574e+04 / 53
p0 2582 ± 2.525
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

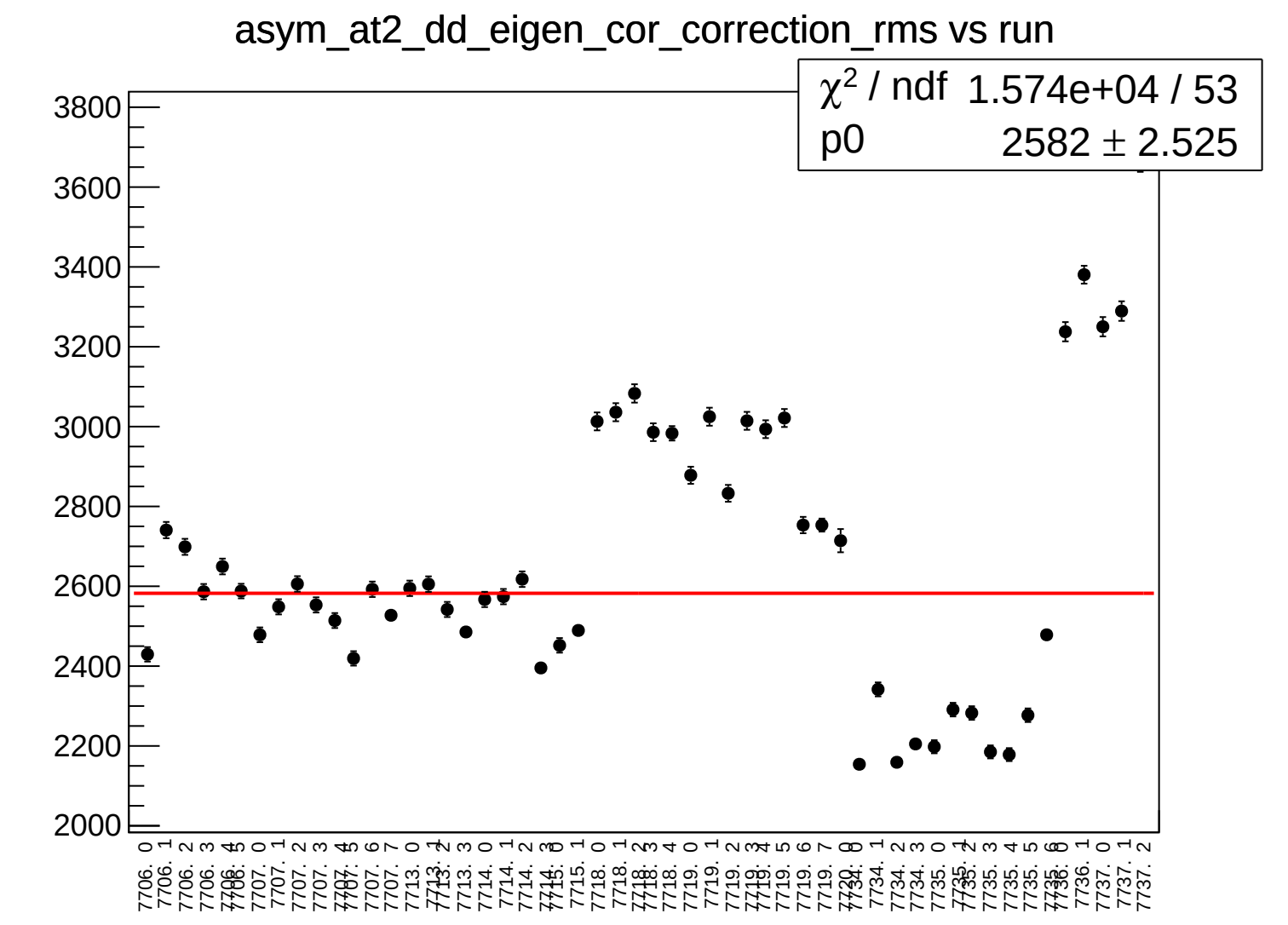

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 33.98 / 53
p0 −369.4 ± 2358
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −34.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

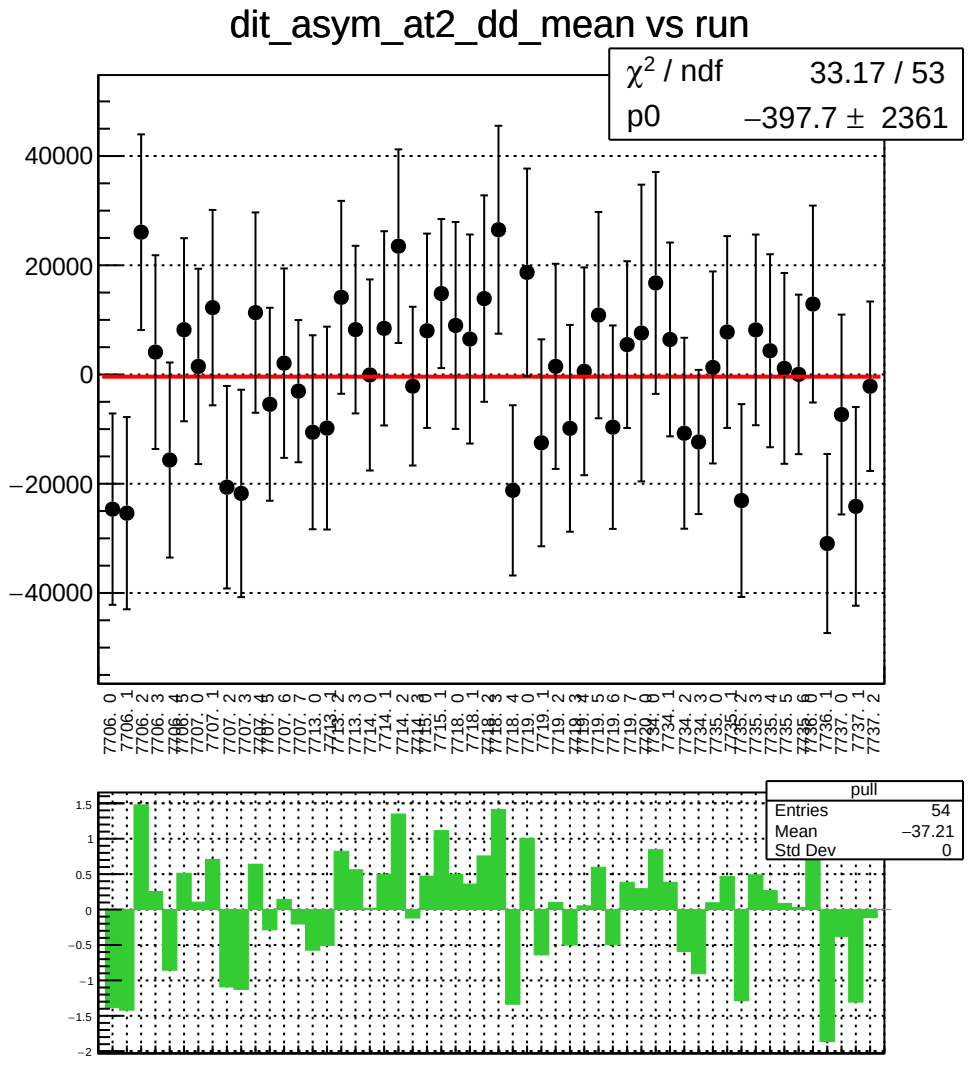

pull1D
Entries 54
Mean 0.01202
Std Dev 0.7932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

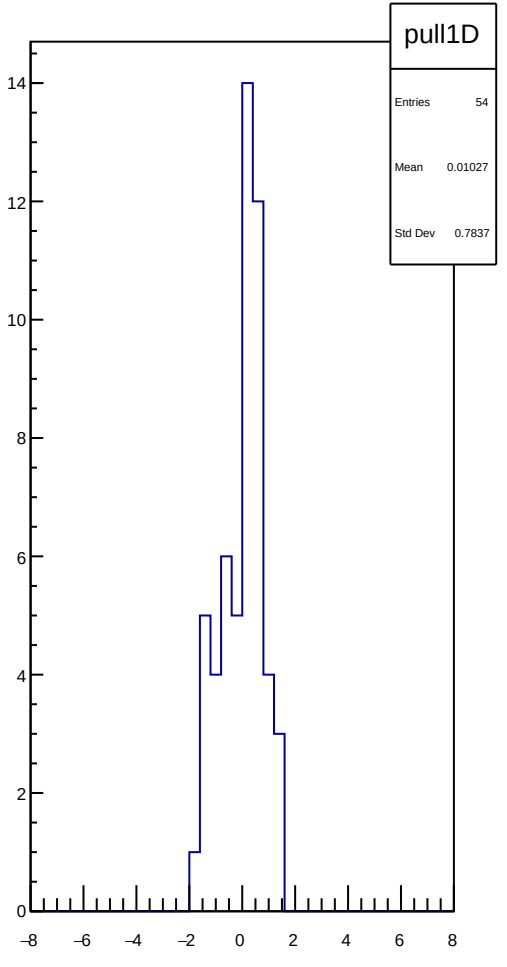

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 1285 / 53
p0 1717 ± 1.667
1950
1900
1850
1800
1750
1700
1650

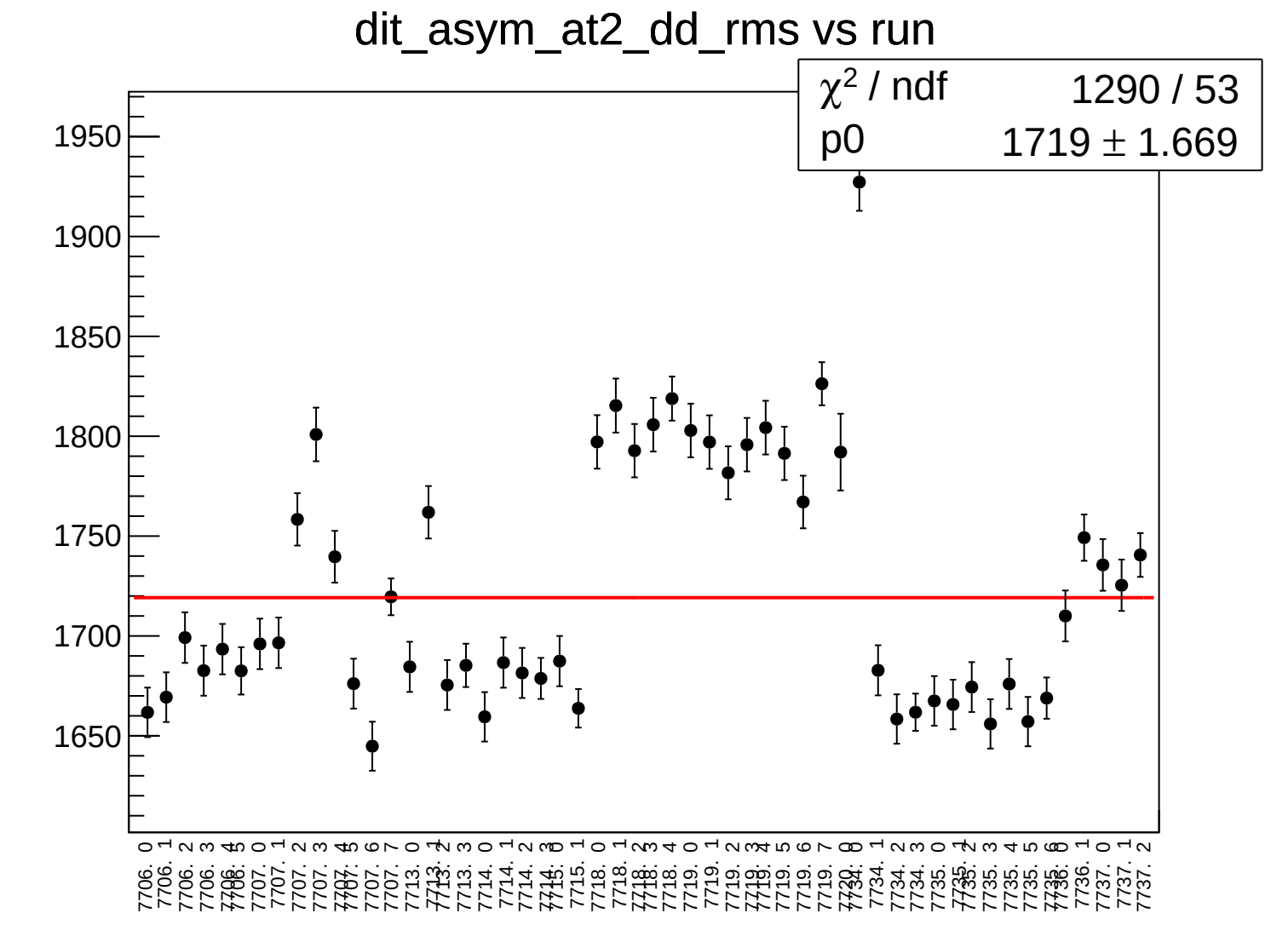

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.28 / 53
p0 −450.8 ± 3571
pull
Entries 54
Mean 987.8
Std Dev 0

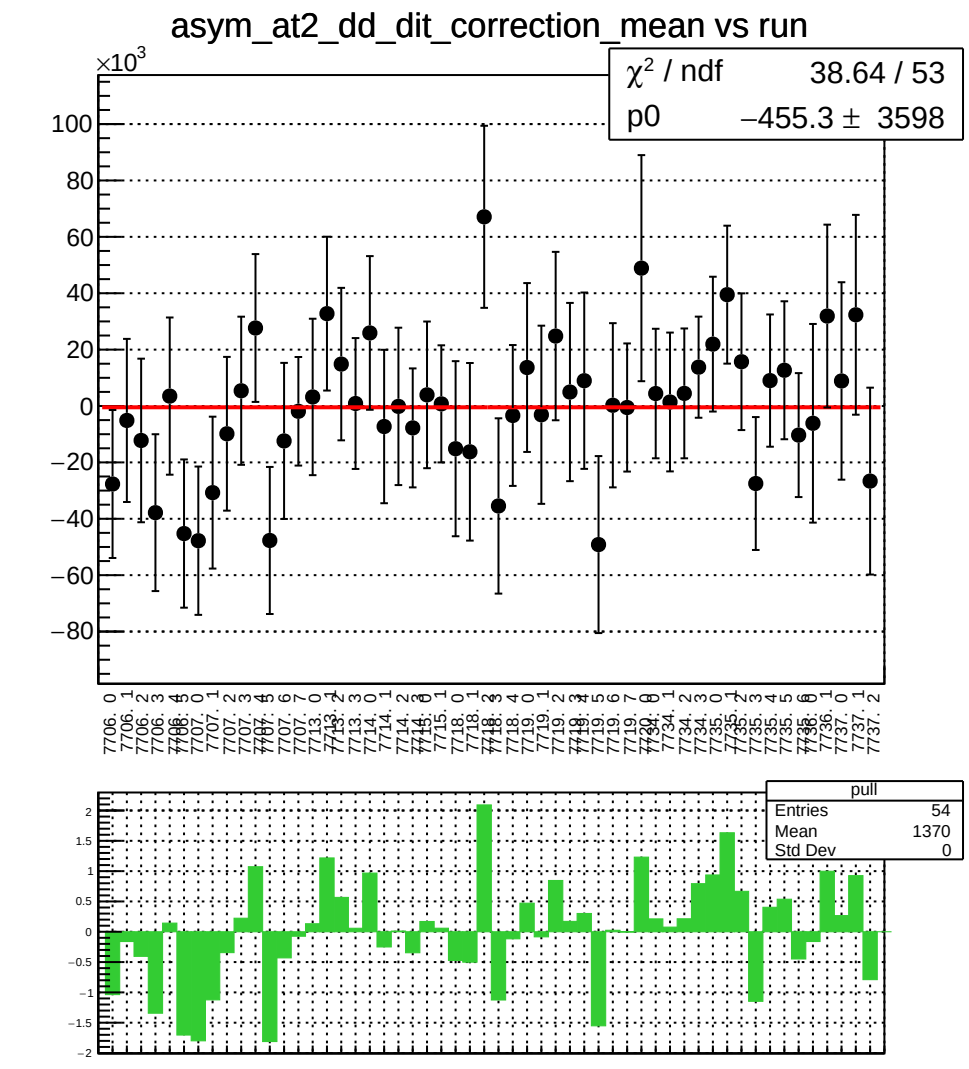

pull1D
Entries 54
Mean 0.004968
Std Dev 0.8529

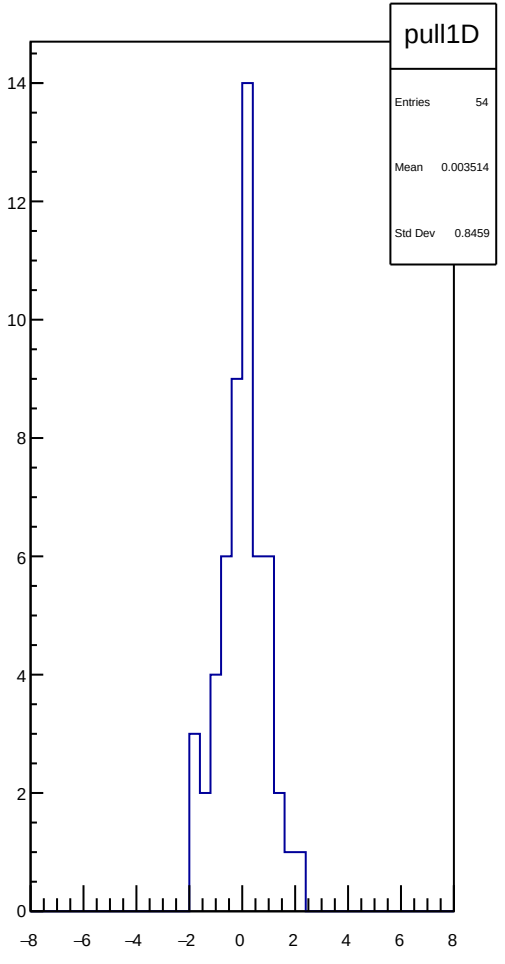

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.574e+04 / 53
p0 2582 ± 2.525
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

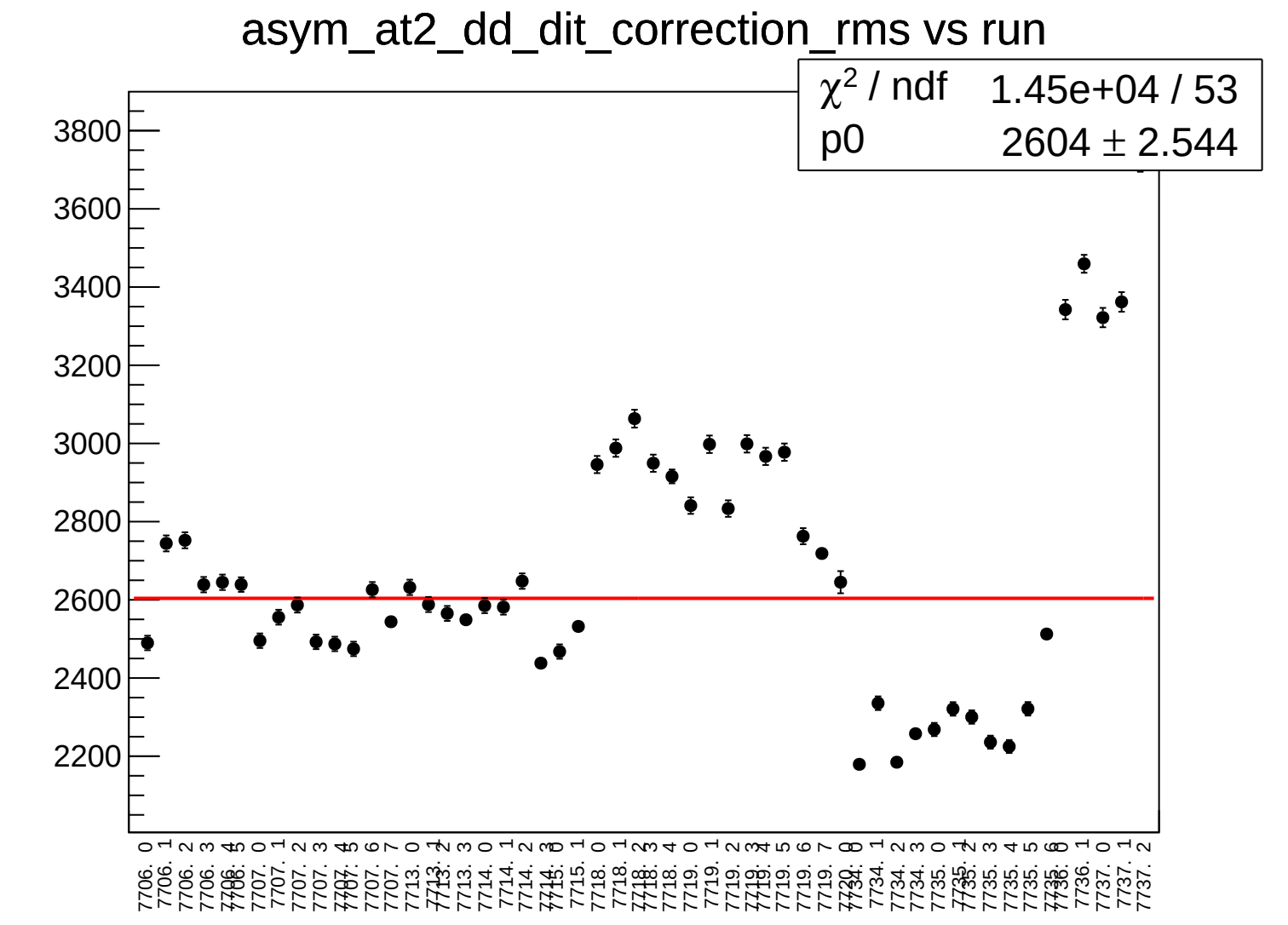

dit_asym_at2_dd_mean vs run
χ² / ndf 33.17 / 53
p0 −397.7 ± 2361
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −37.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

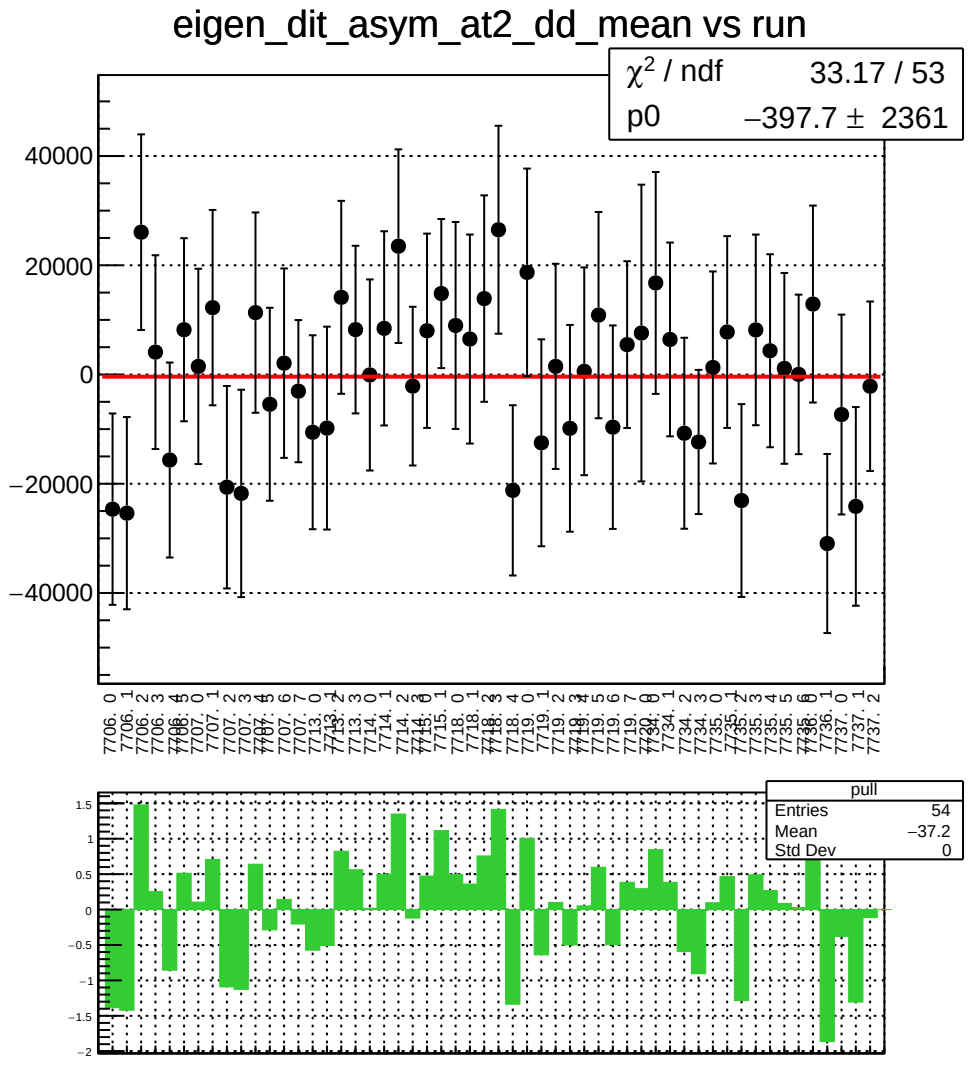

pull1D
Entries 54
Mean 0.01027
Std Dev 0.7837
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

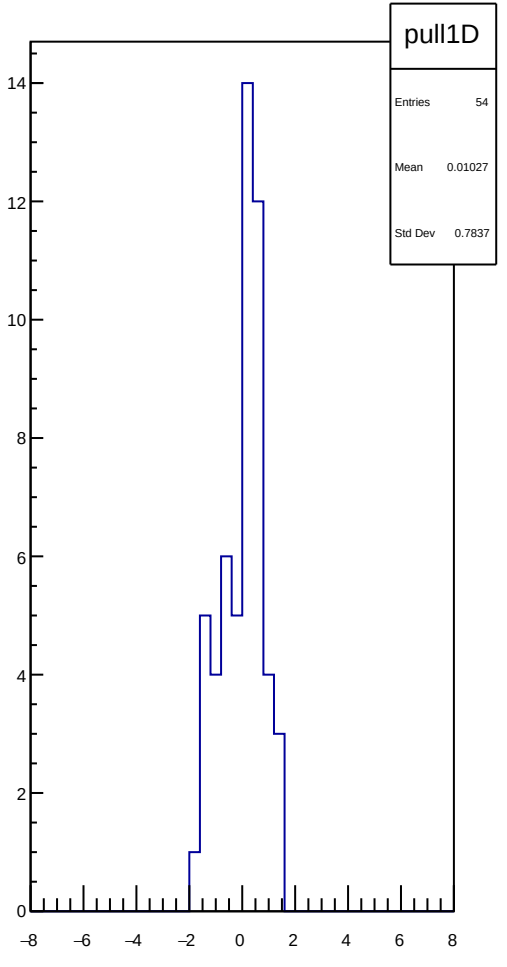

dit_asym_at2_dd_rms vs run
χ² / ndf 1290 / 53
p0 1719 ± 1.669
1950
1900
1850
1800
1750
1700
1650

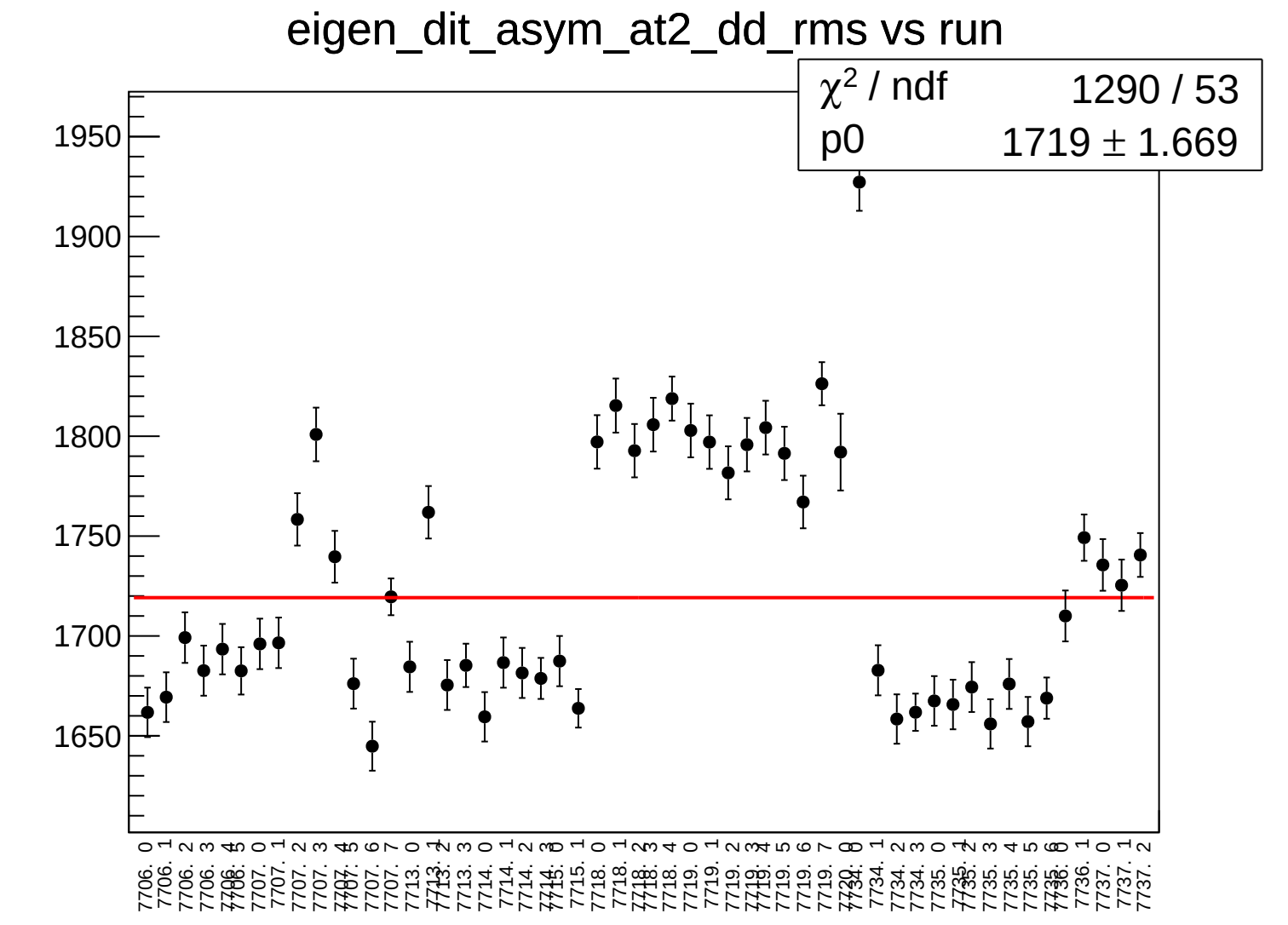

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 38.64 / 53
p0 −455.3 ± 3598
pull
Entries 54
Mean 1370
Std Dev 0

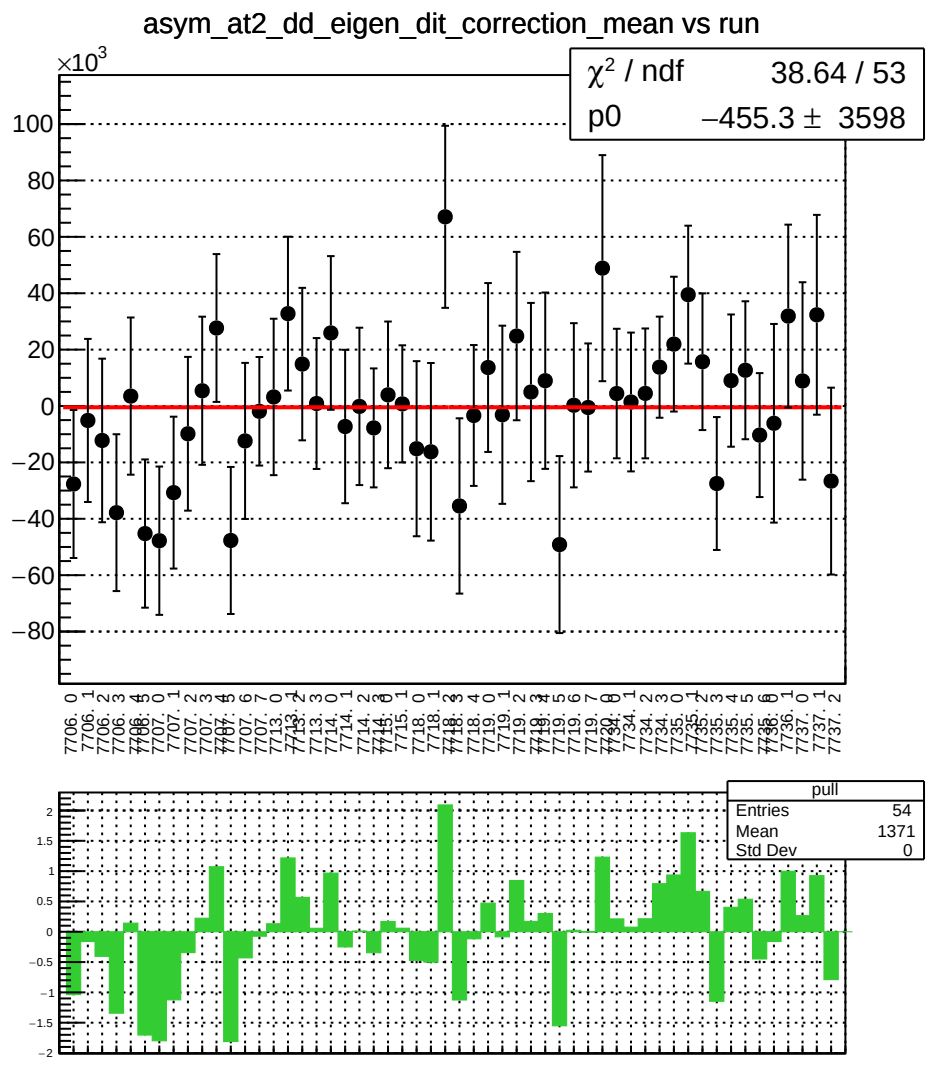

pull1D
Entries 54
Mean 0.003514
Std Dev 0.8459

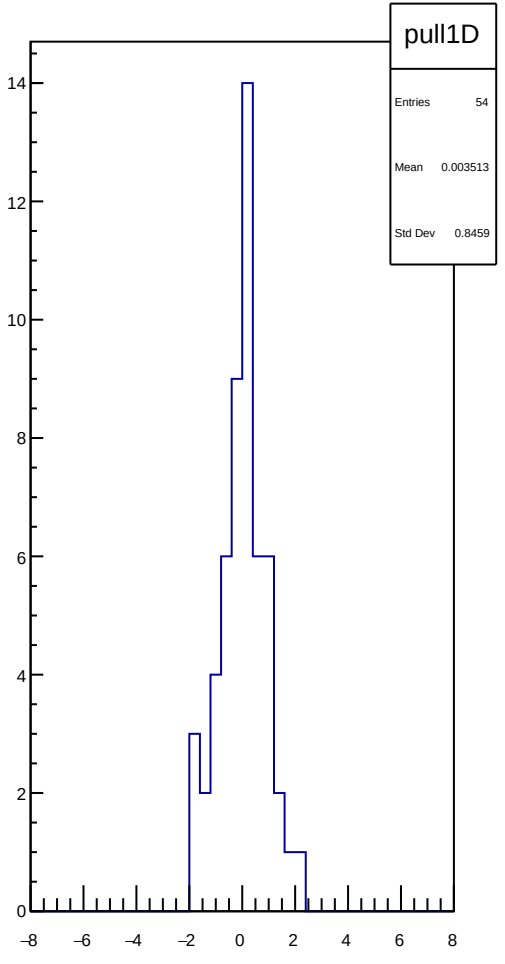

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 1.45e+04 / 53
p0 2604 ± 2.544
3800
3600
3400
3200
3000
2800
2600
2400
2200

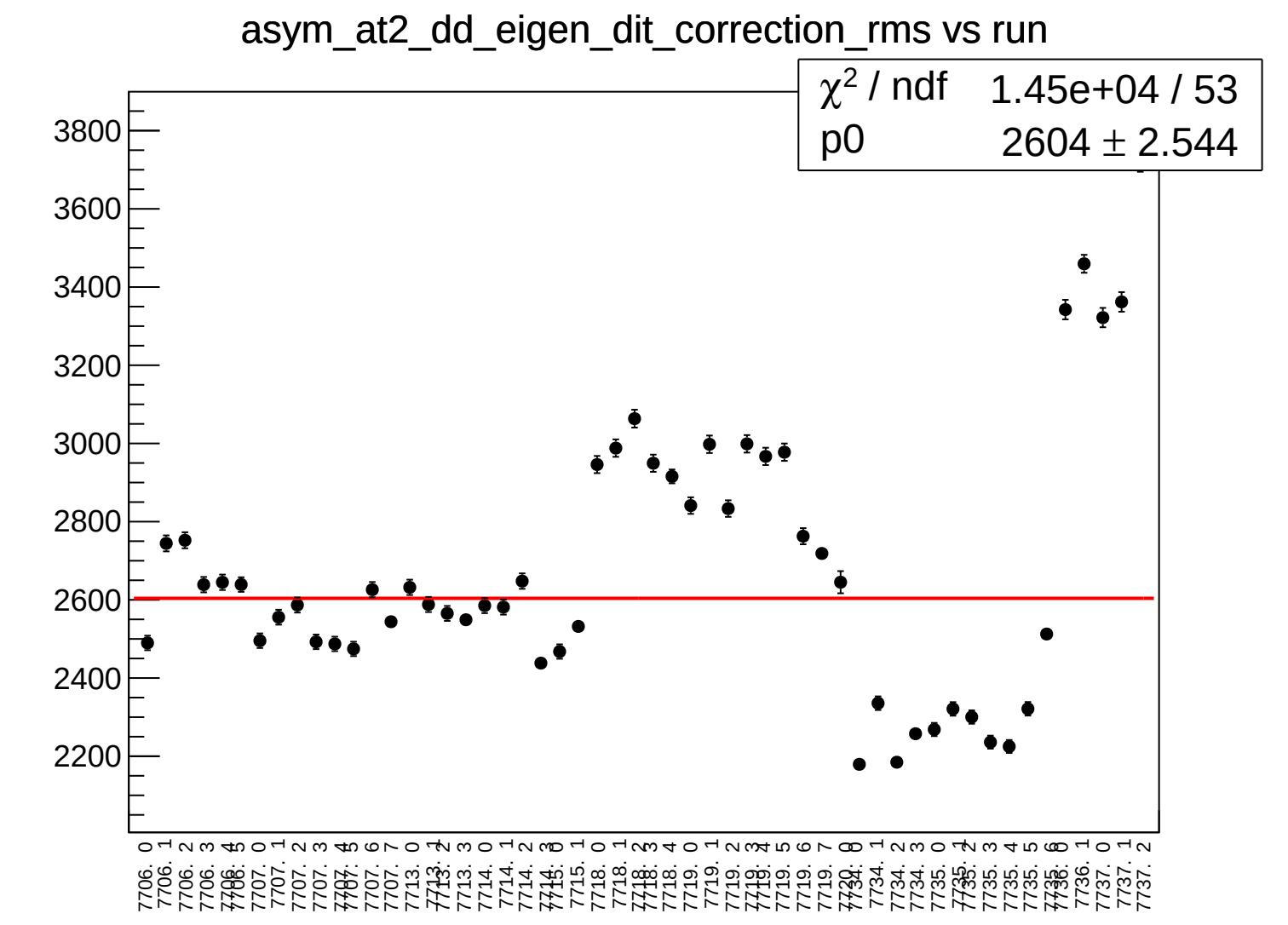

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 33.17 / 53
p0 −397.7 ± 2361
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −37.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

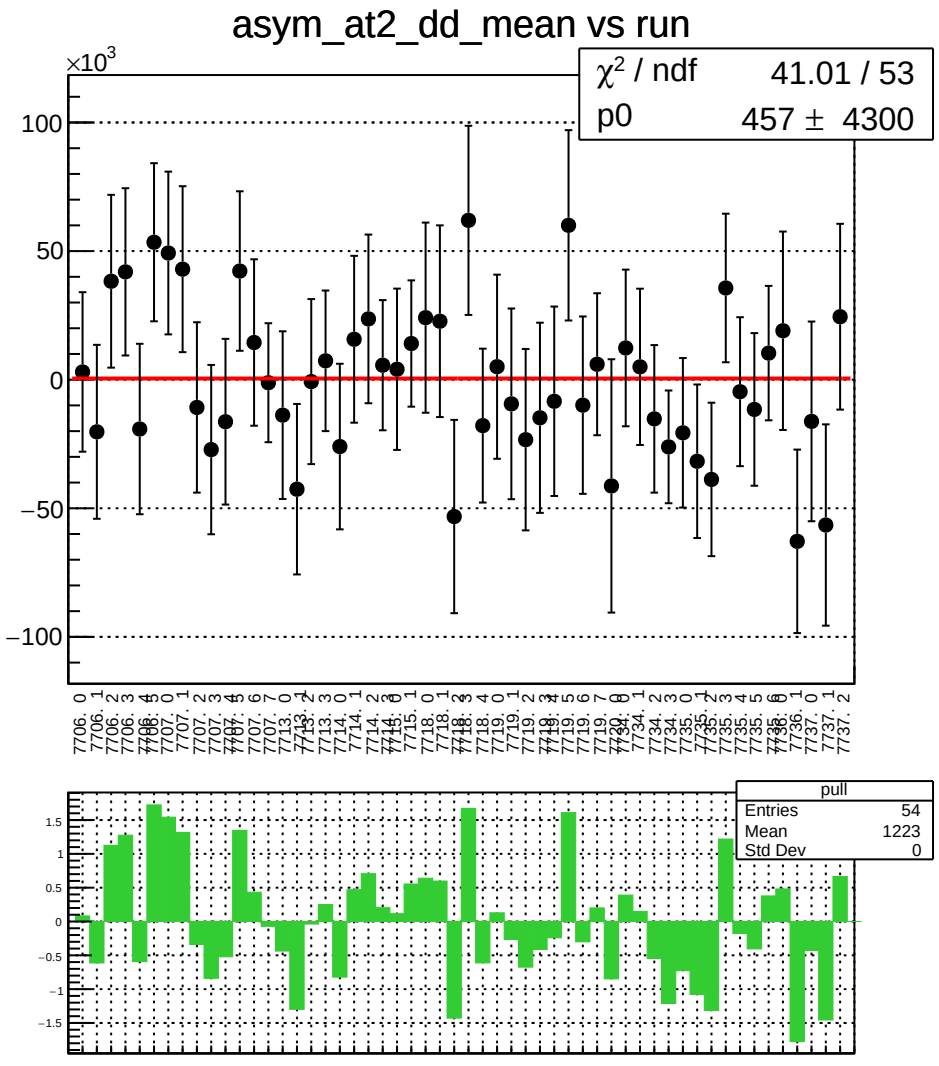

pull1D
Entries 54
Mean 0.01027
Std Dev 0.7837
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

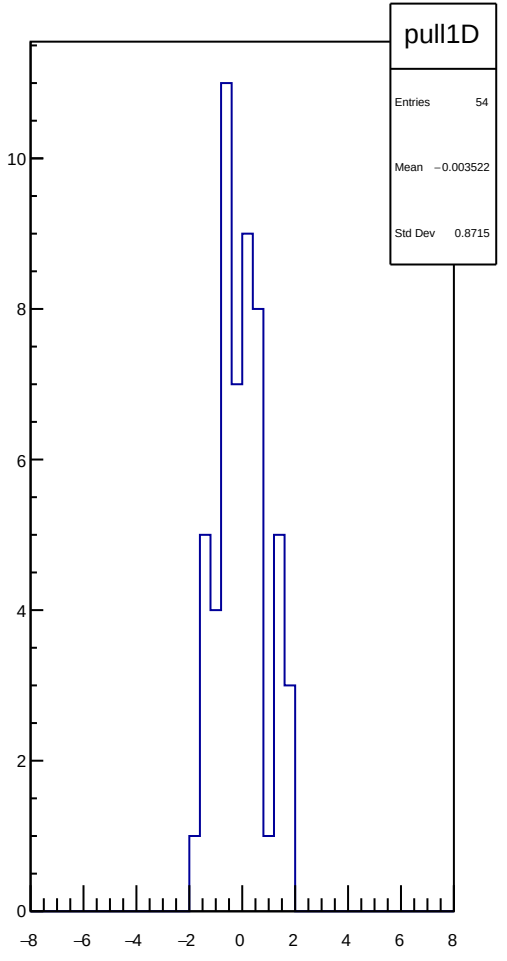

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 1290 / 53
p0 1719 ± 1.669
1950
1900
1850
1800
1750
1700
1650
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

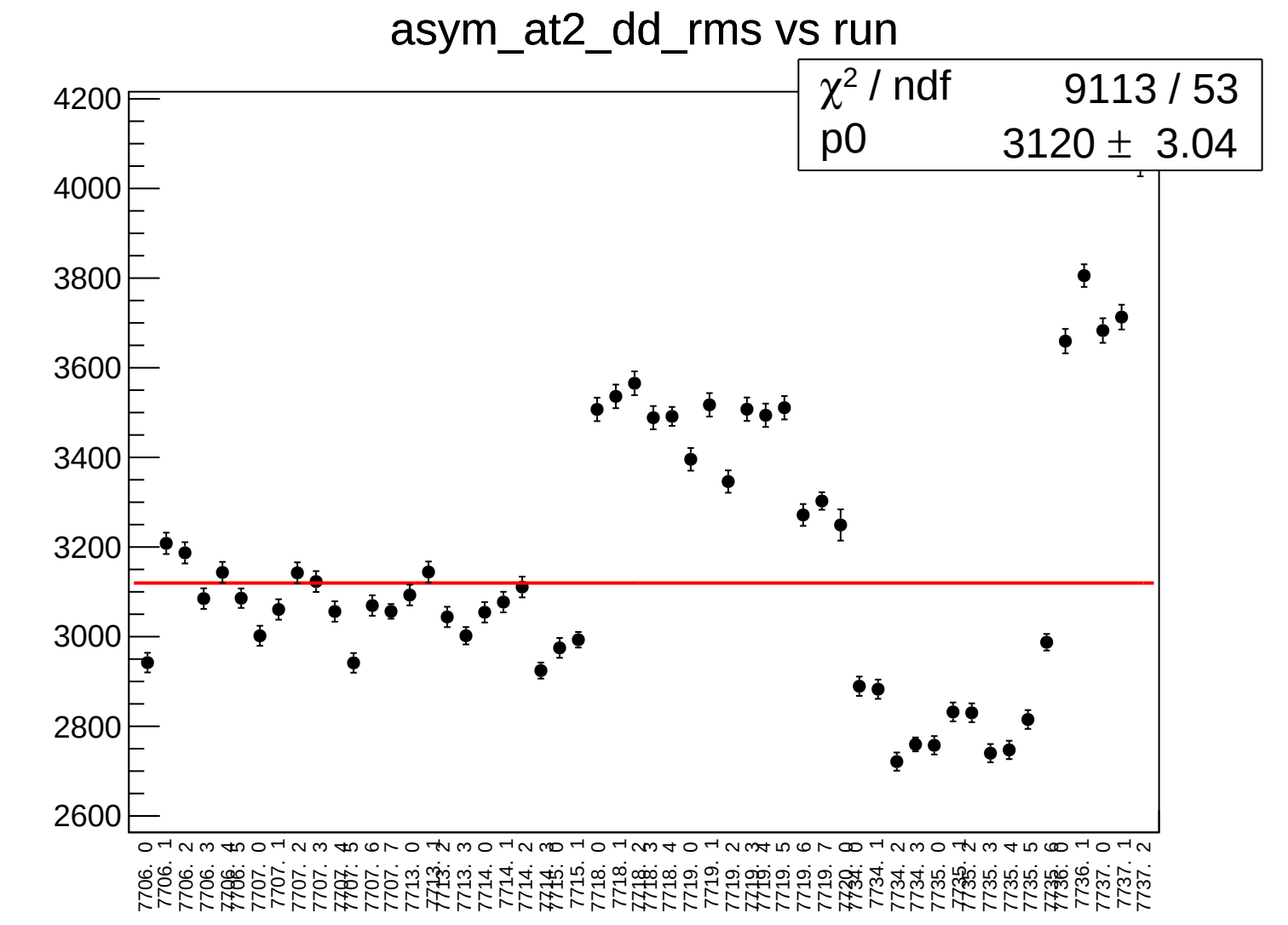

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.64 / 53
p0 −455.3 ± 3598
pull
Entries 54
Mean 1371
Std Dev 0

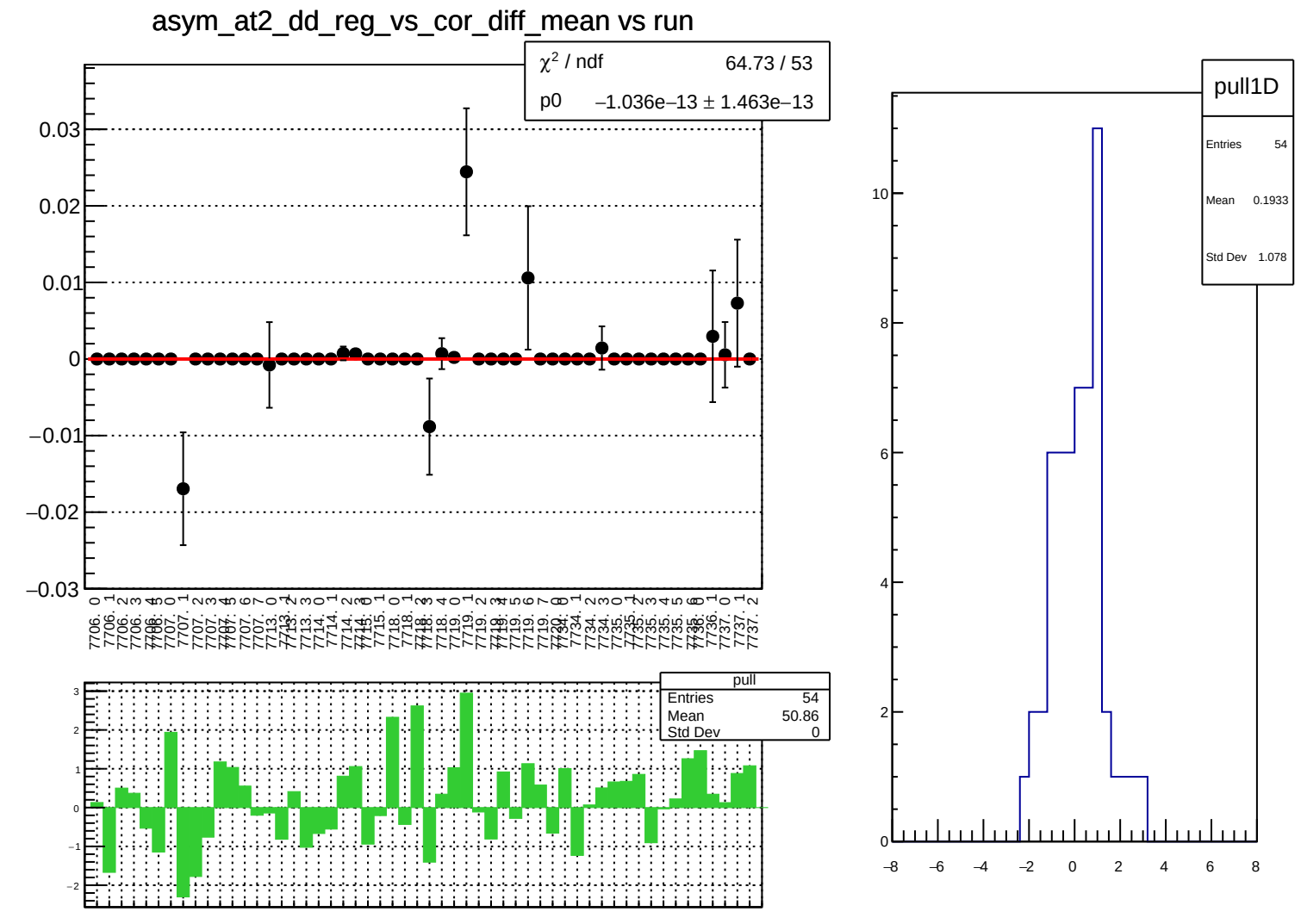

pull1D
Entries 54
Mean 0.003513
Std Dev 0.8459

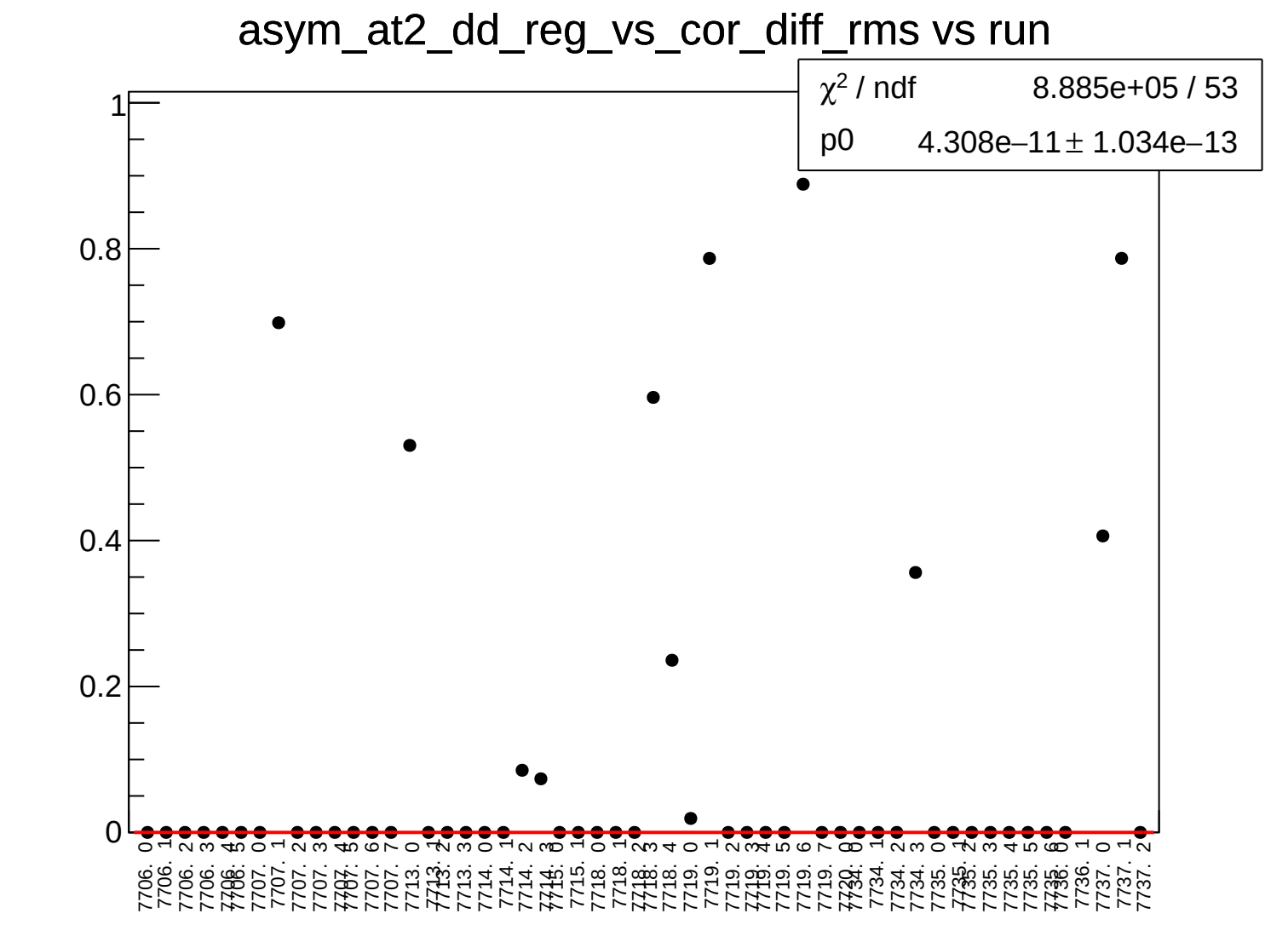

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.45e+04 / 53
p0 2604 ± 2.544
3800
3600
3400
3200
3000
2800
2600
2400
2200

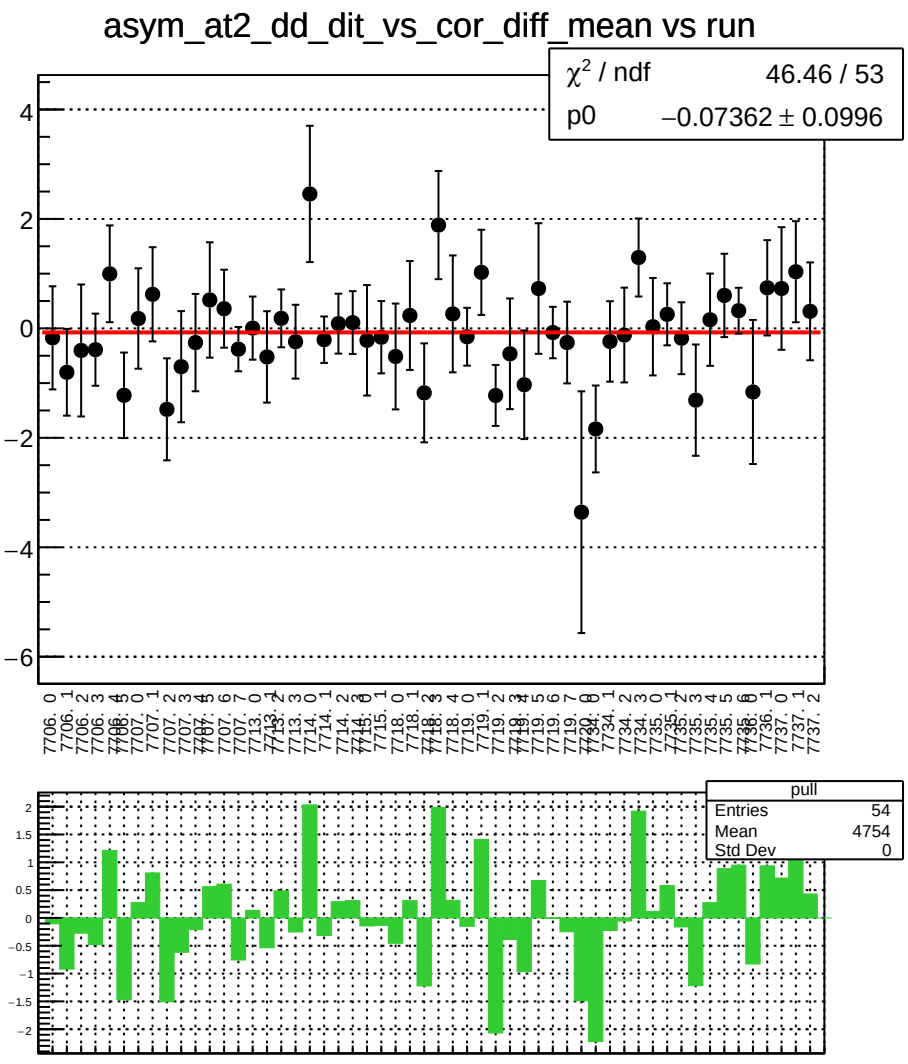

asym_at2_dd_mean vs run
×10^3
χ² / ndf 41.01 / 53
p0 457 ± 4300
100
50
0
−50
−100
pull
Entries 54
Mean 1223
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

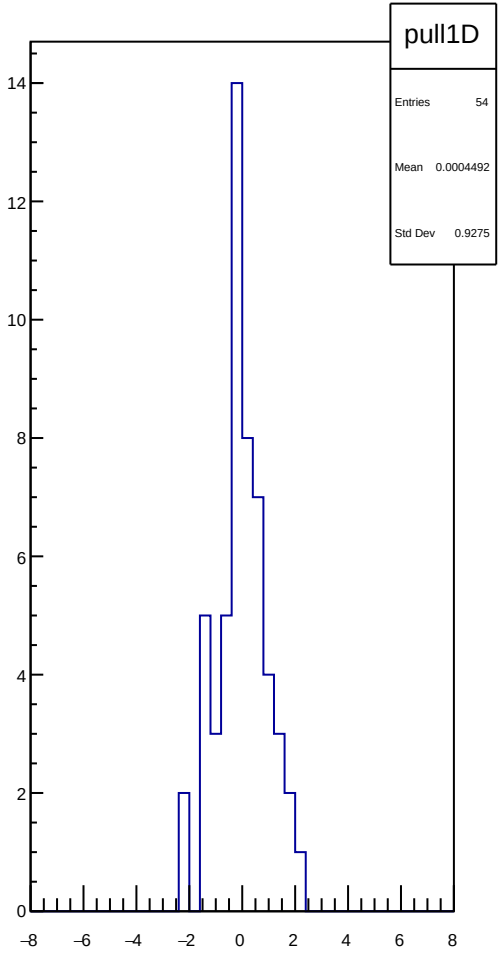

pull1D
Entries 54
Mean −0.003522
Std Dev 0.8715
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

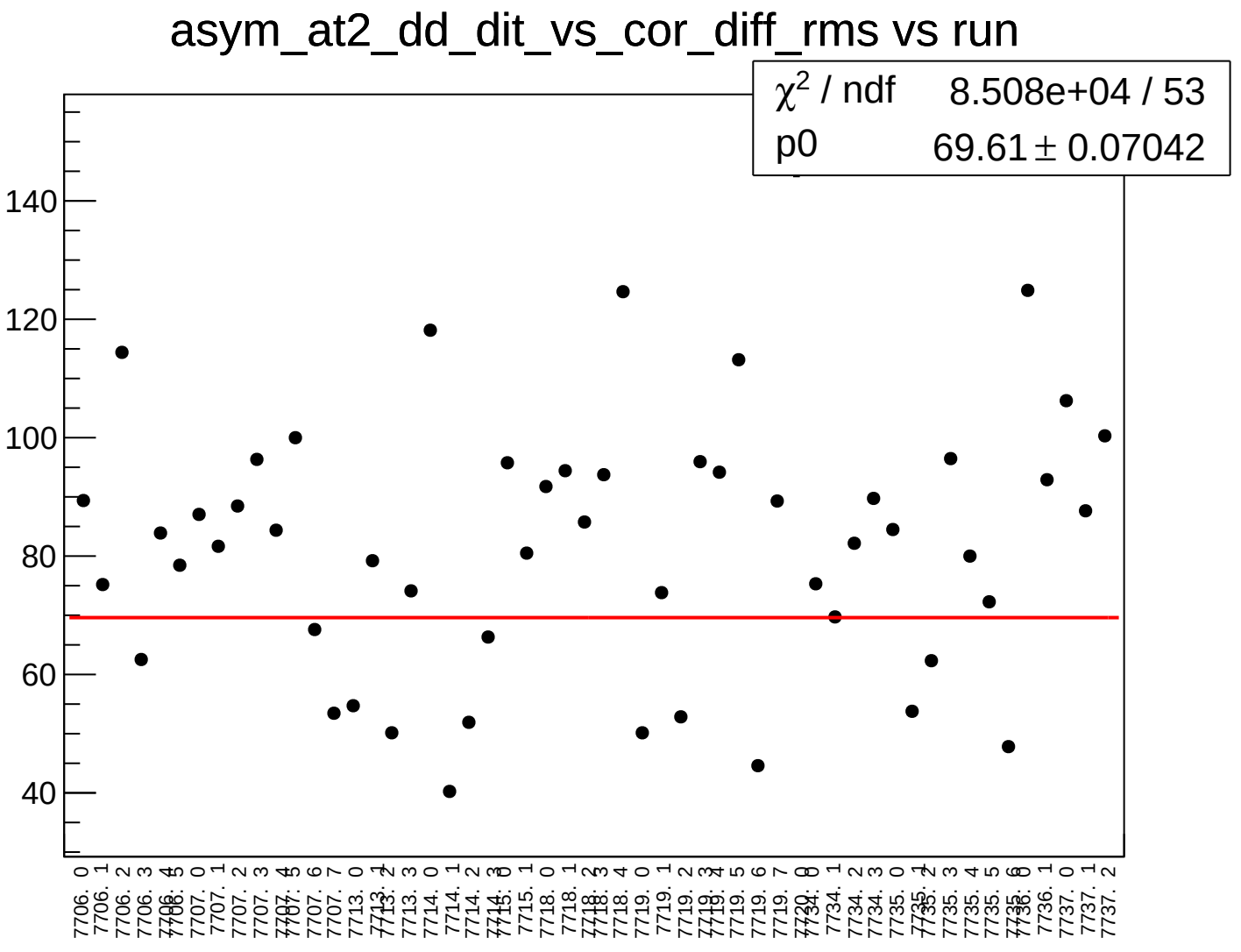

asym_at2_dd_rms vs run
χ² / ndf 9113 / 53
p0 3120 ± 3.04
4200
4000
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

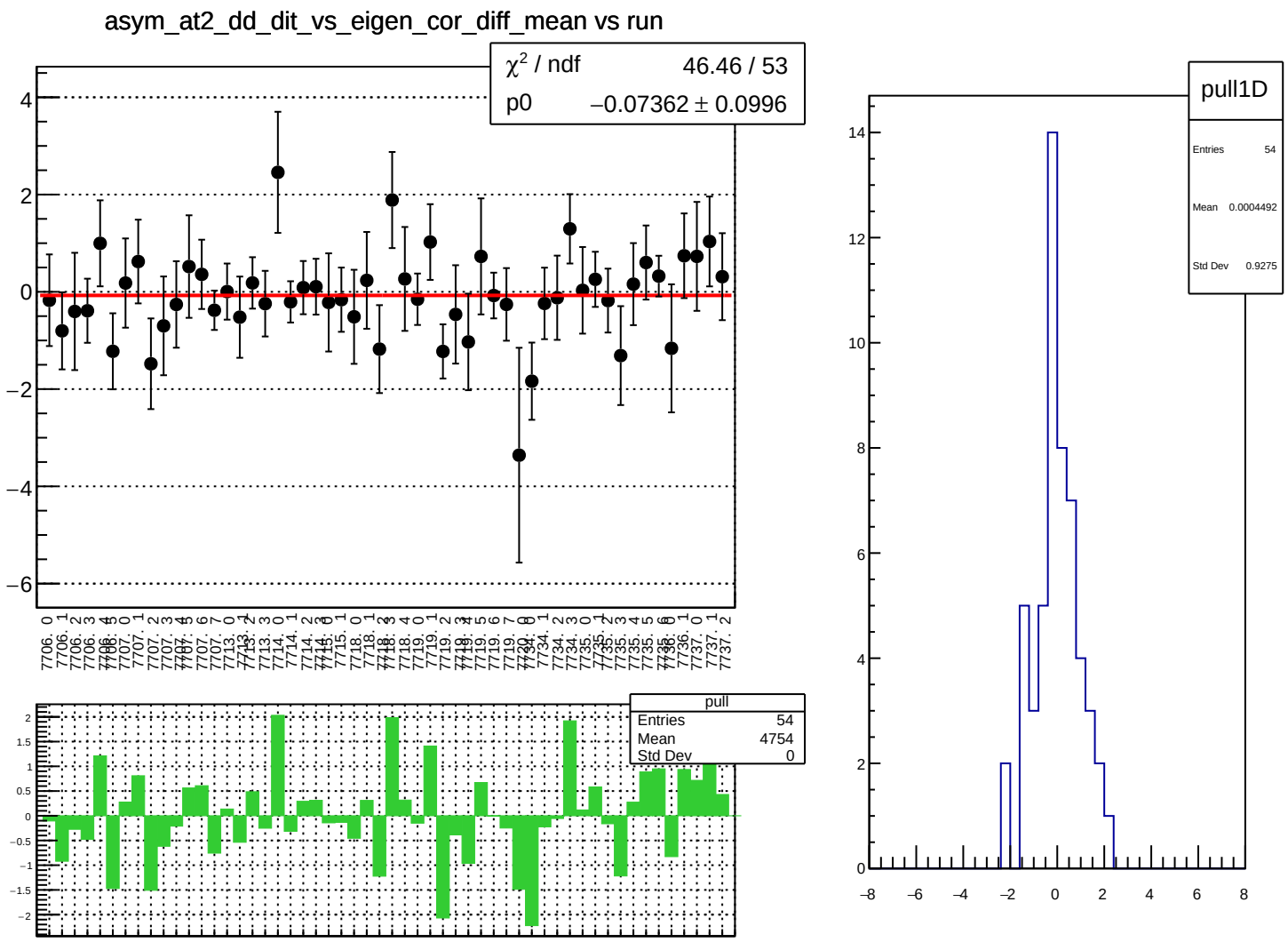

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.73 / 53
p0 −1.036e−13 ± 1.463e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean 50.86
Std Dev 0
pull1D
Entries 54
Mean 0.1933
Std Dev 1.078
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

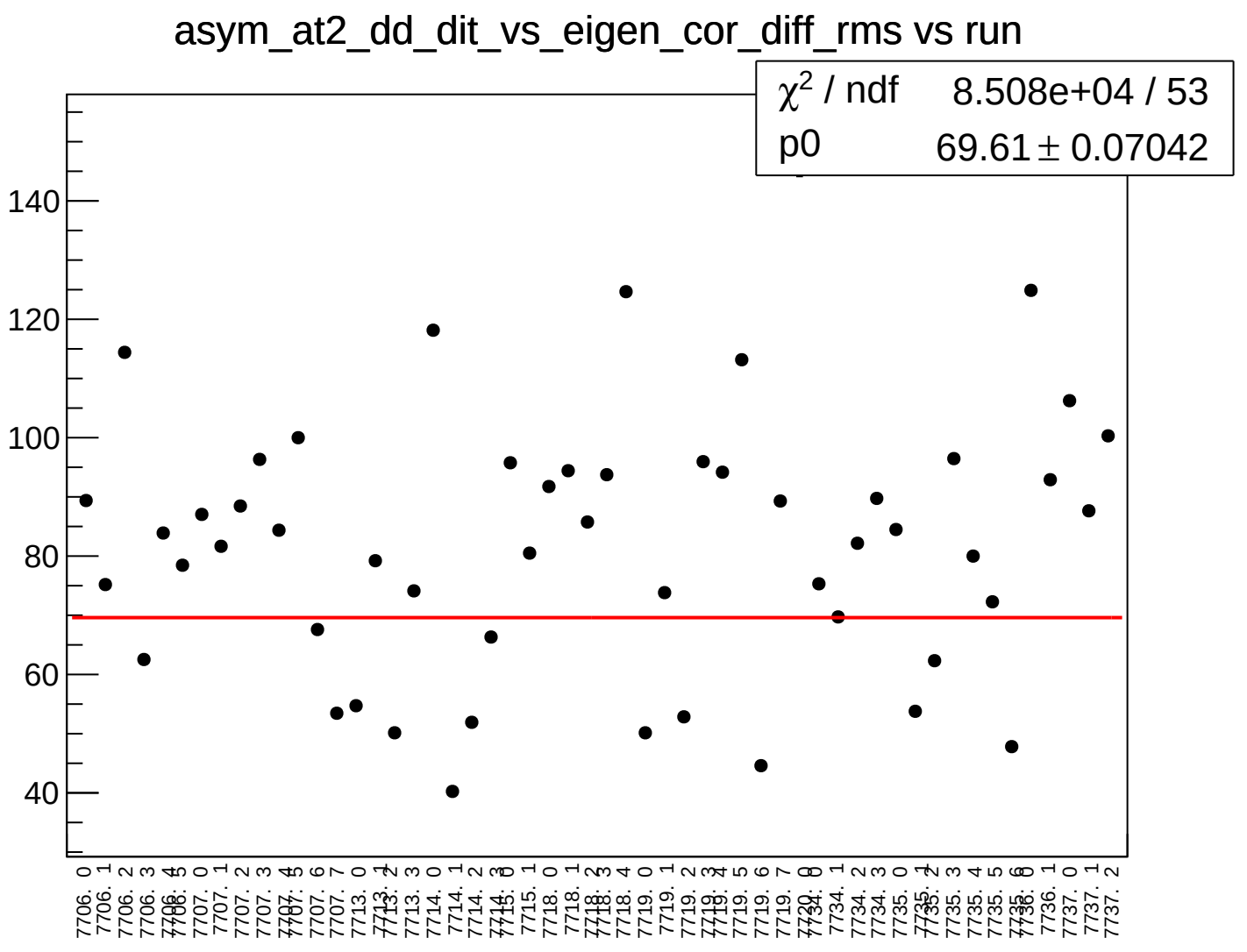

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.885e+05 / 53
p0 4.308e−11 ± 1.034e−13
1
0.8
0.6
0.4
0.2
0

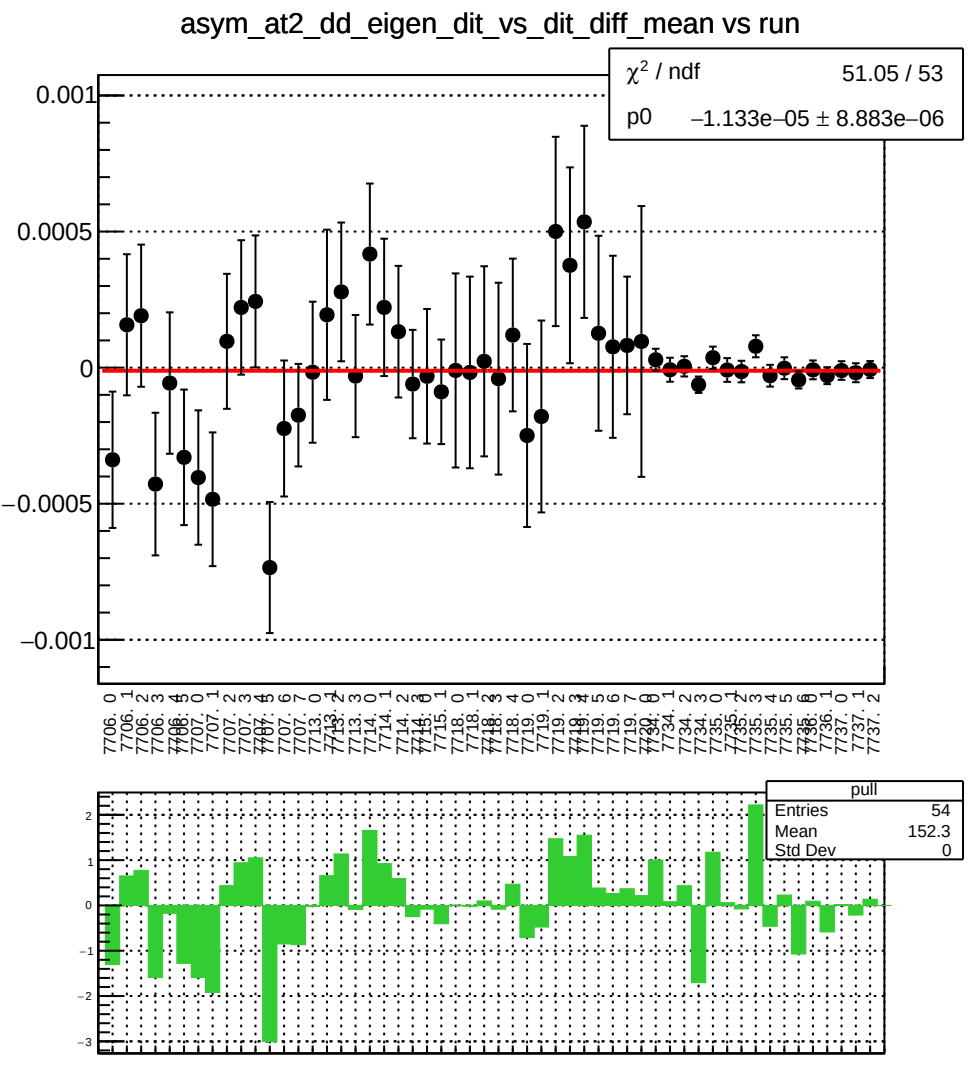

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.46 / 53
p0 −0.07362 ± 0.0996
pull
Entries 54
Mean 4754
Std Dev 0

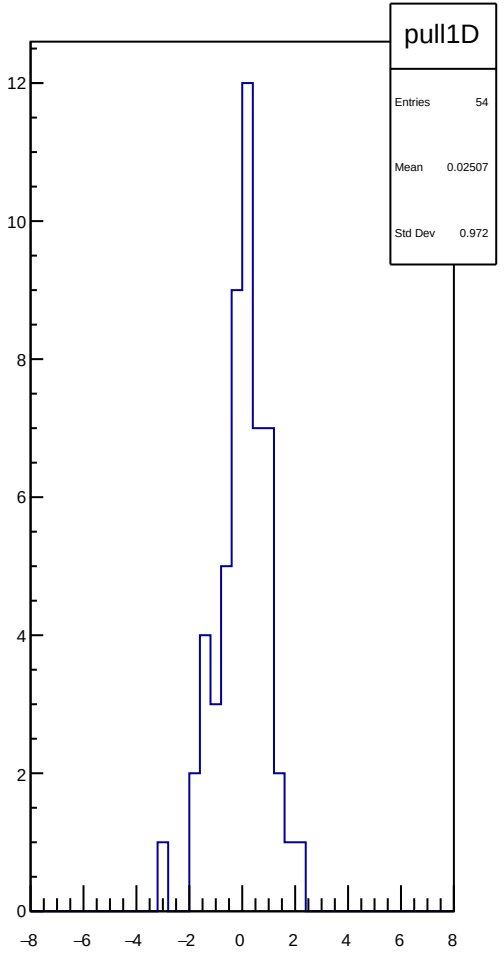

pull1D
Entries 54
Mean 0.0004492
Std Dev 0.9275

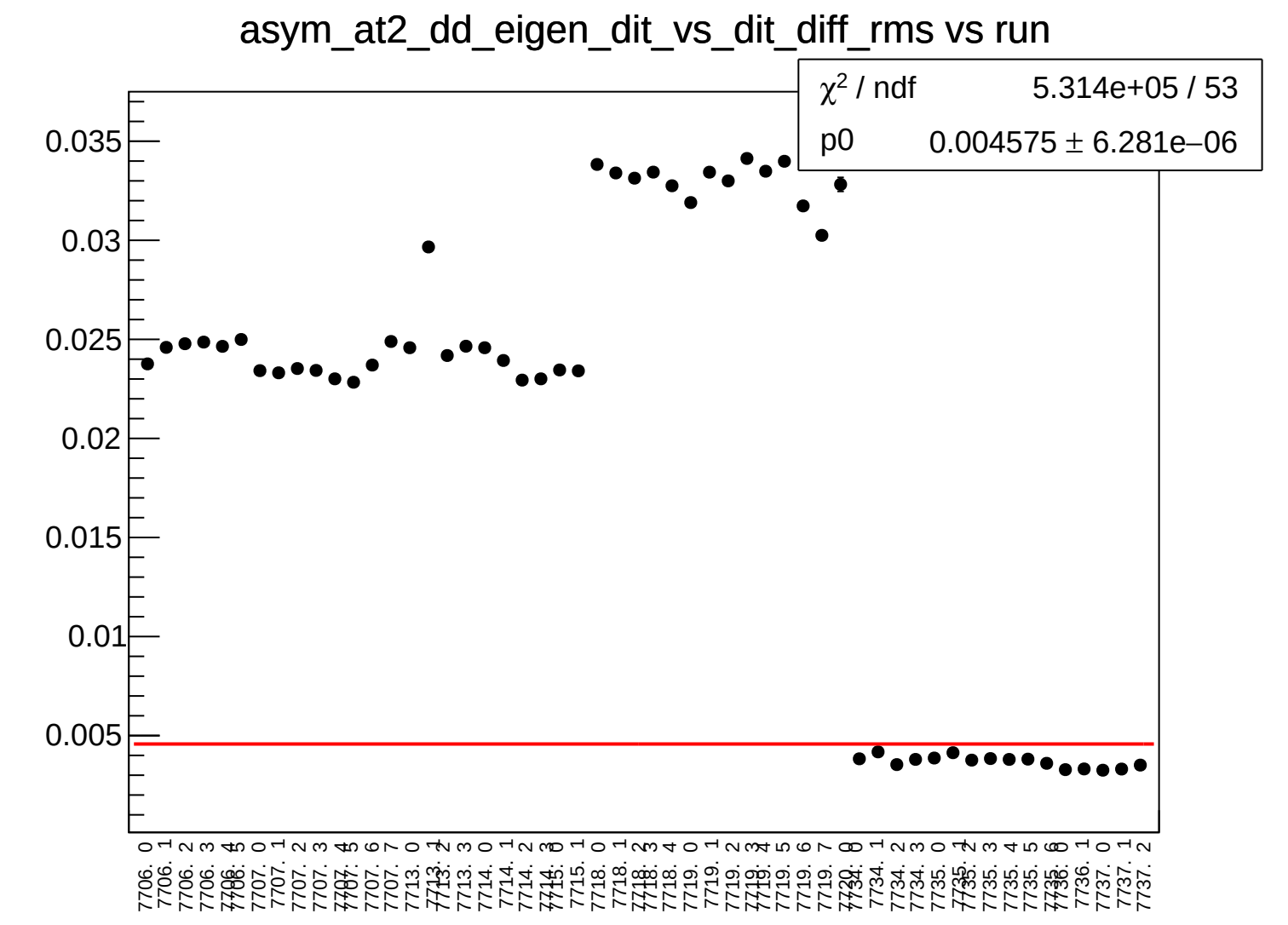

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.508e+04 / 53
p0 69.61 ± 0.07042
140
120
100
80
60
40

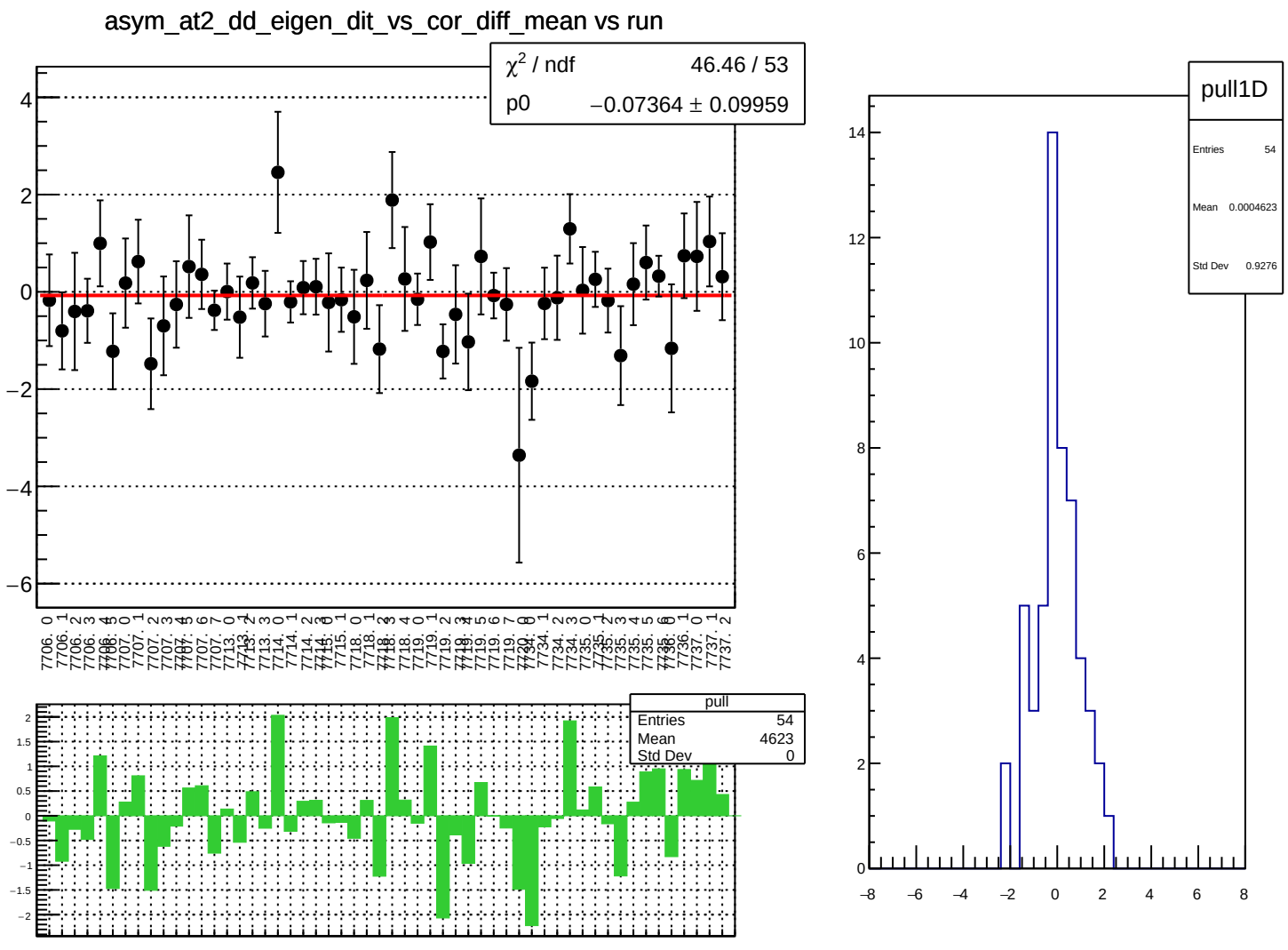

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.46 / 53
p0 −0.07362 ± 0.0996
pull
Entries 54
Mean 4754
Std Dev 0
pull1D
Entries 54
Mean 0.0004492
Std Dev 0.9275

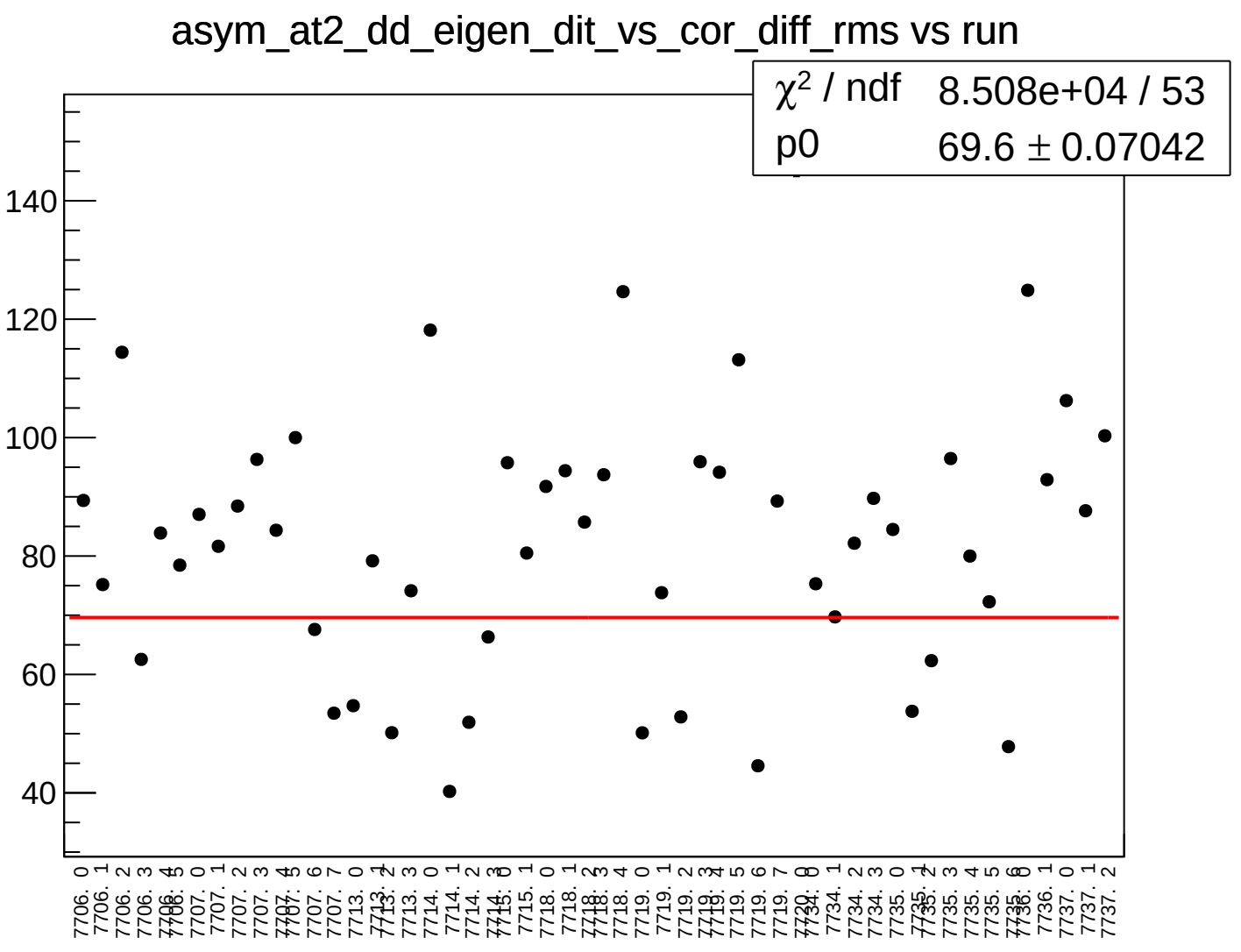

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.508e+04 / 53
p0 69.61 ± 0.07042
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

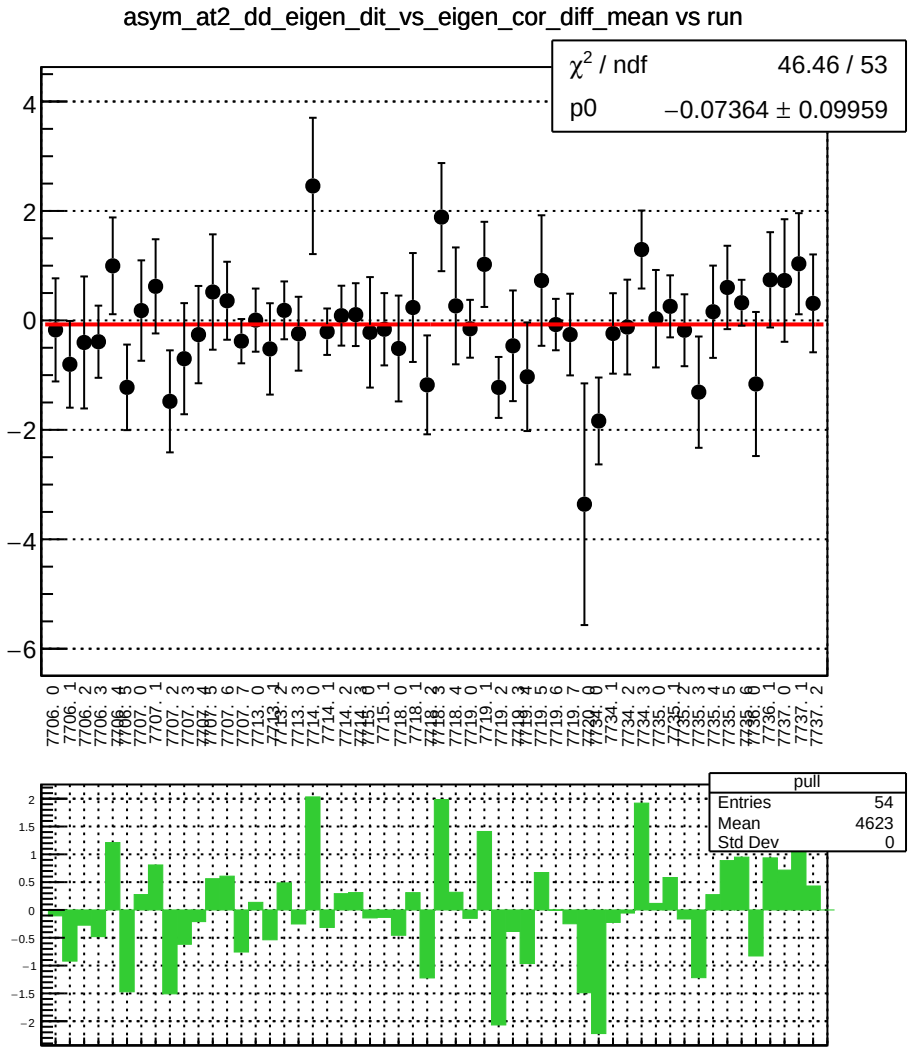

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 51.05 / 53
p0 −1.133e−05 ± 8.883e−06
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 152.3
Std Dev 0
2
1
0
−1
−2
−3

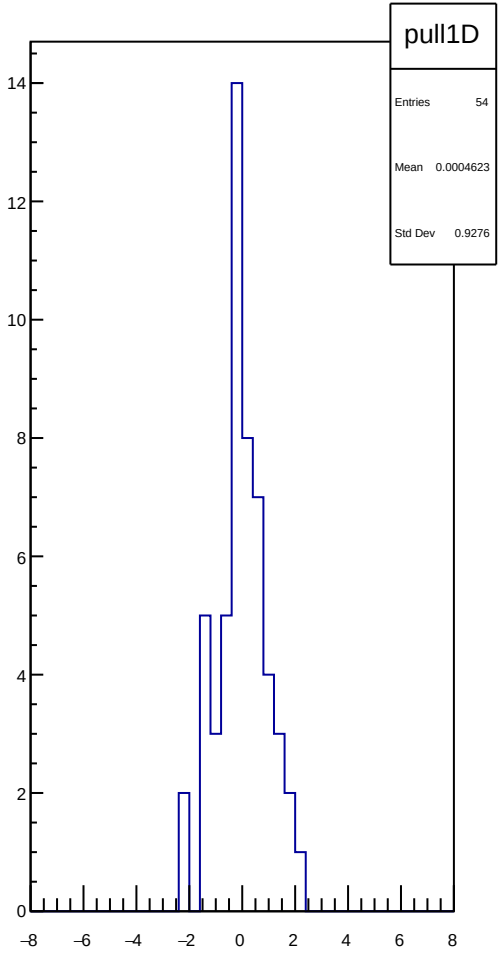

pull1D
Entries 54
Mean 0.02507
Std Dev 0.972
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

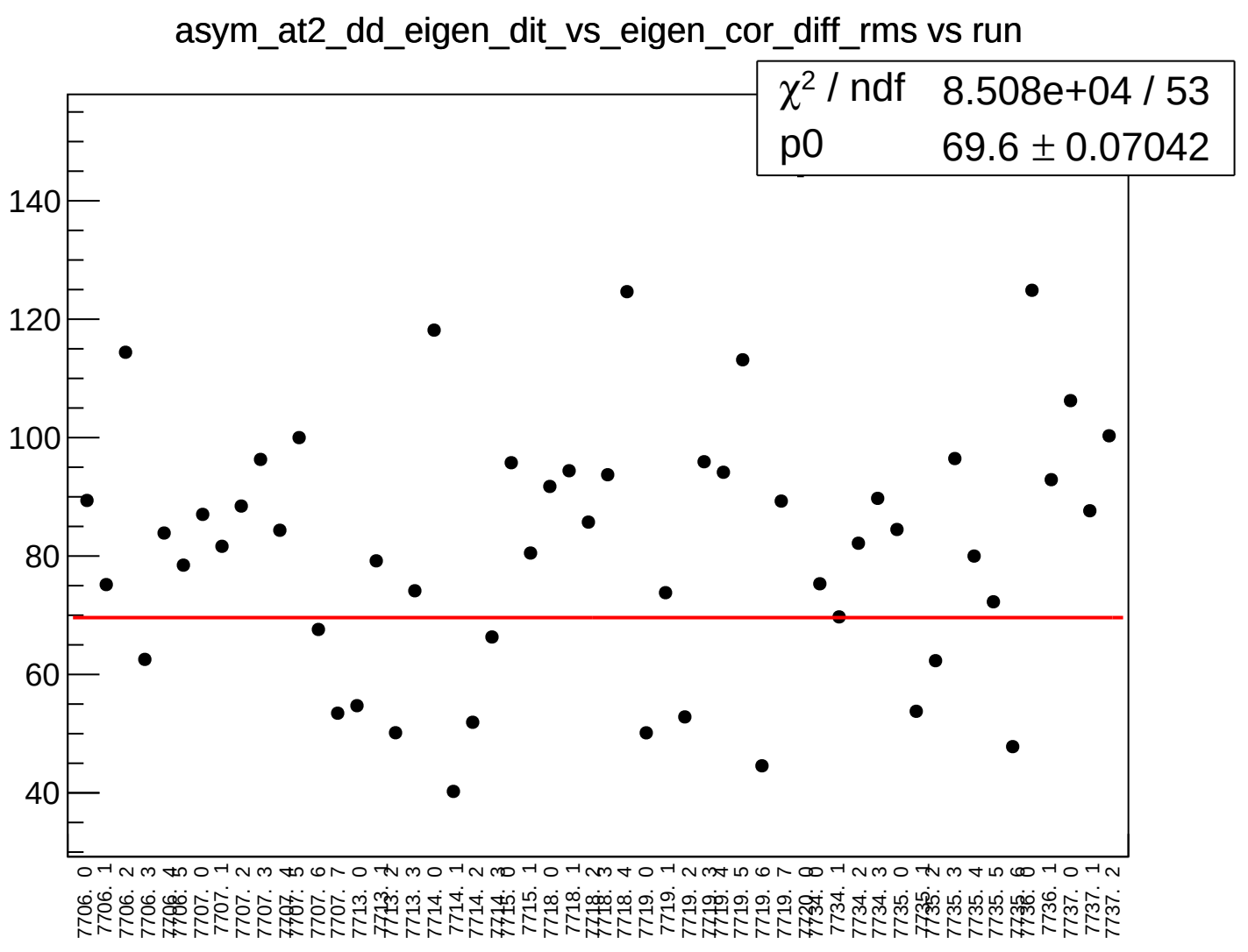

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.314e+05 / 53
p0 0.004575 ± 6.281e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

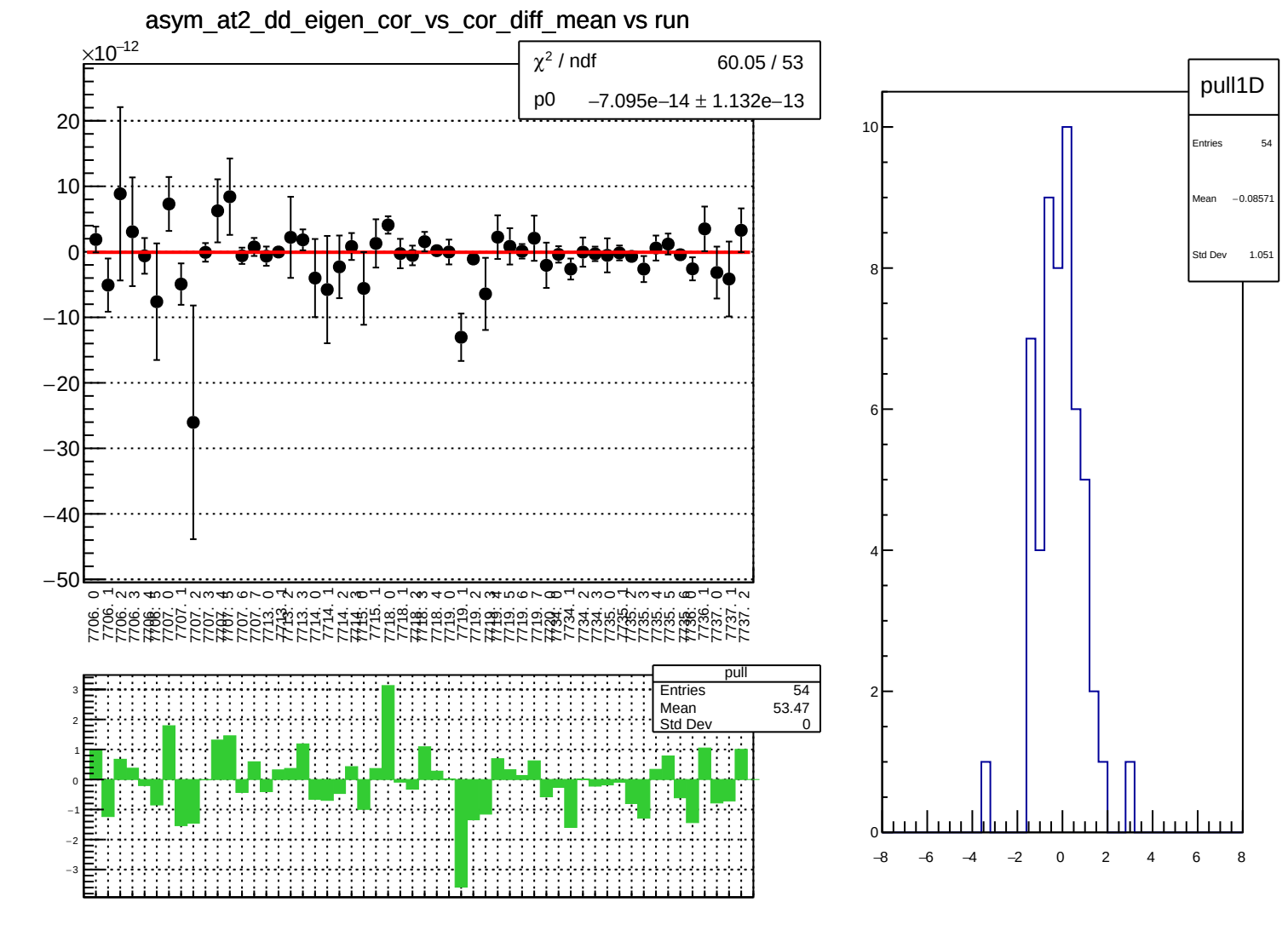

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.46 / 53
p0 −0.07364 ± 0.09959
pull
Entries 54
Mean 4623
Std Dev 0
pull1D
Entries 54
Mean 0.0004623
Std Dev 0.9276

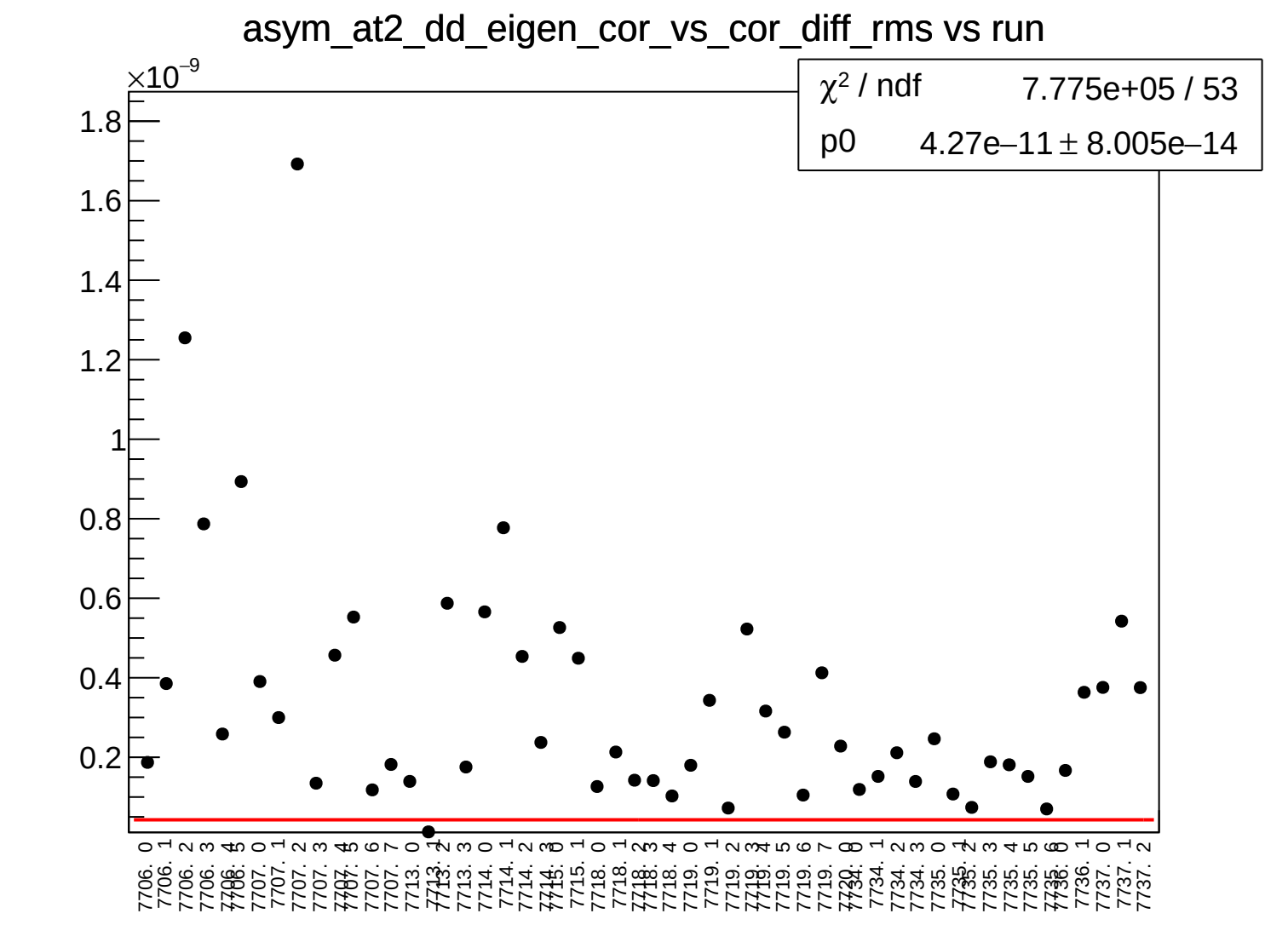

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.508e+04 / 53
p0 69.6 ± 0.07042
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

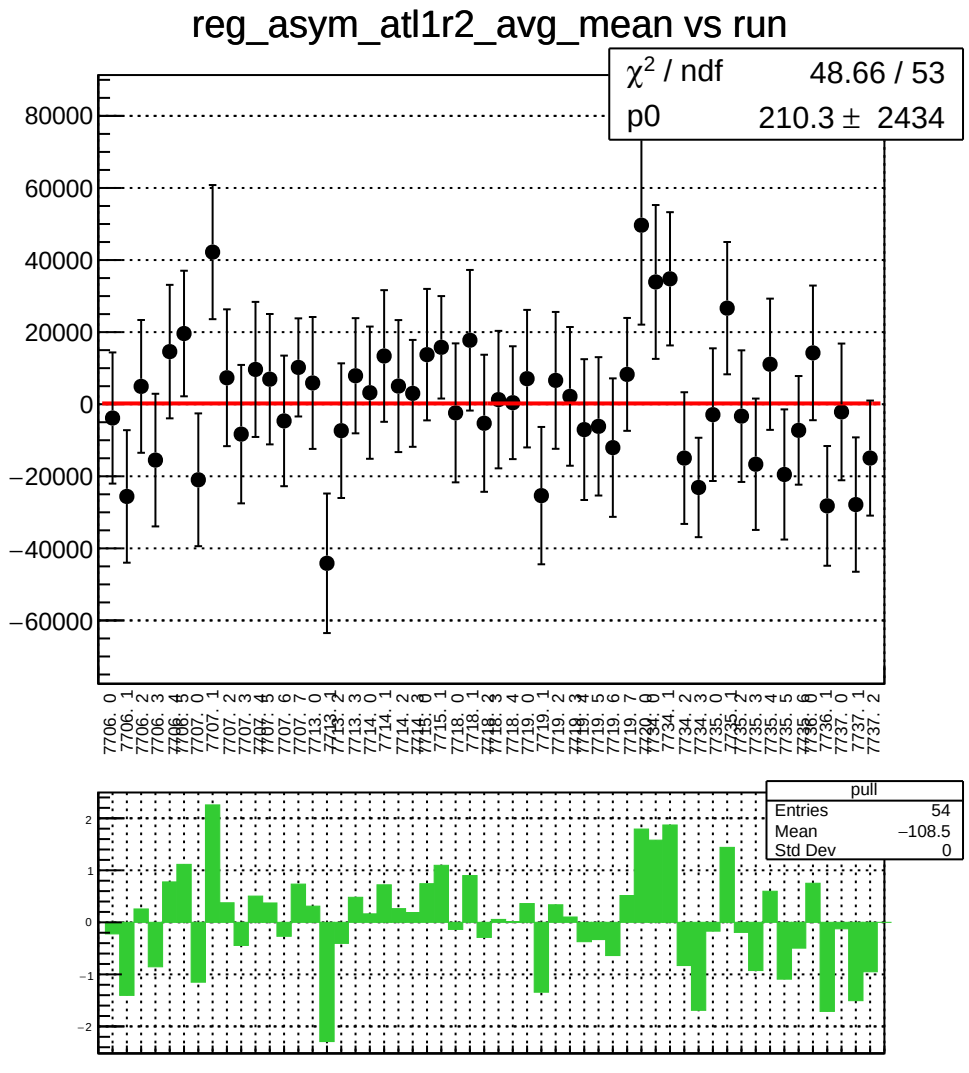

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.46 / 53
p0 −0.07364 ± 0.09959
pull
Entries 54
Mean 4623
Std Dev 0

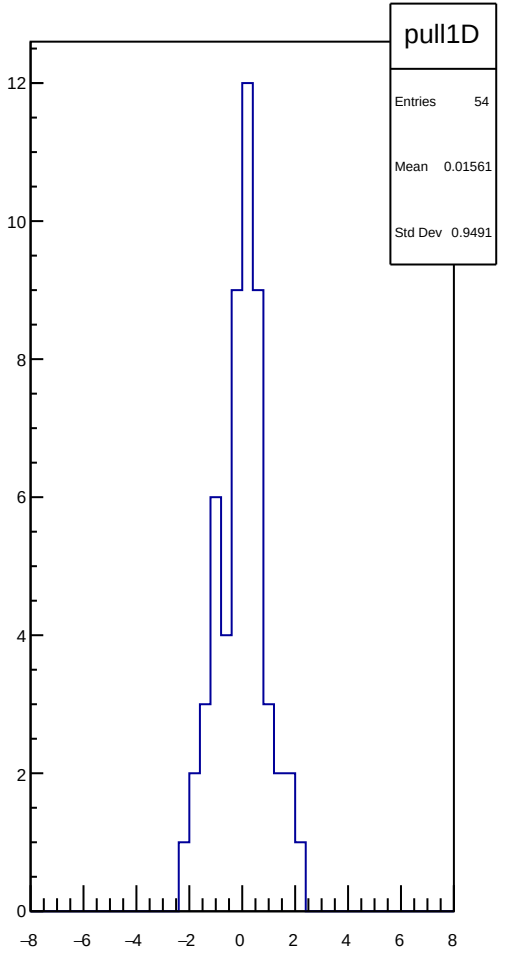

pull1D
Entries 54
Mean 0.0004623
Std Dev 0.9276

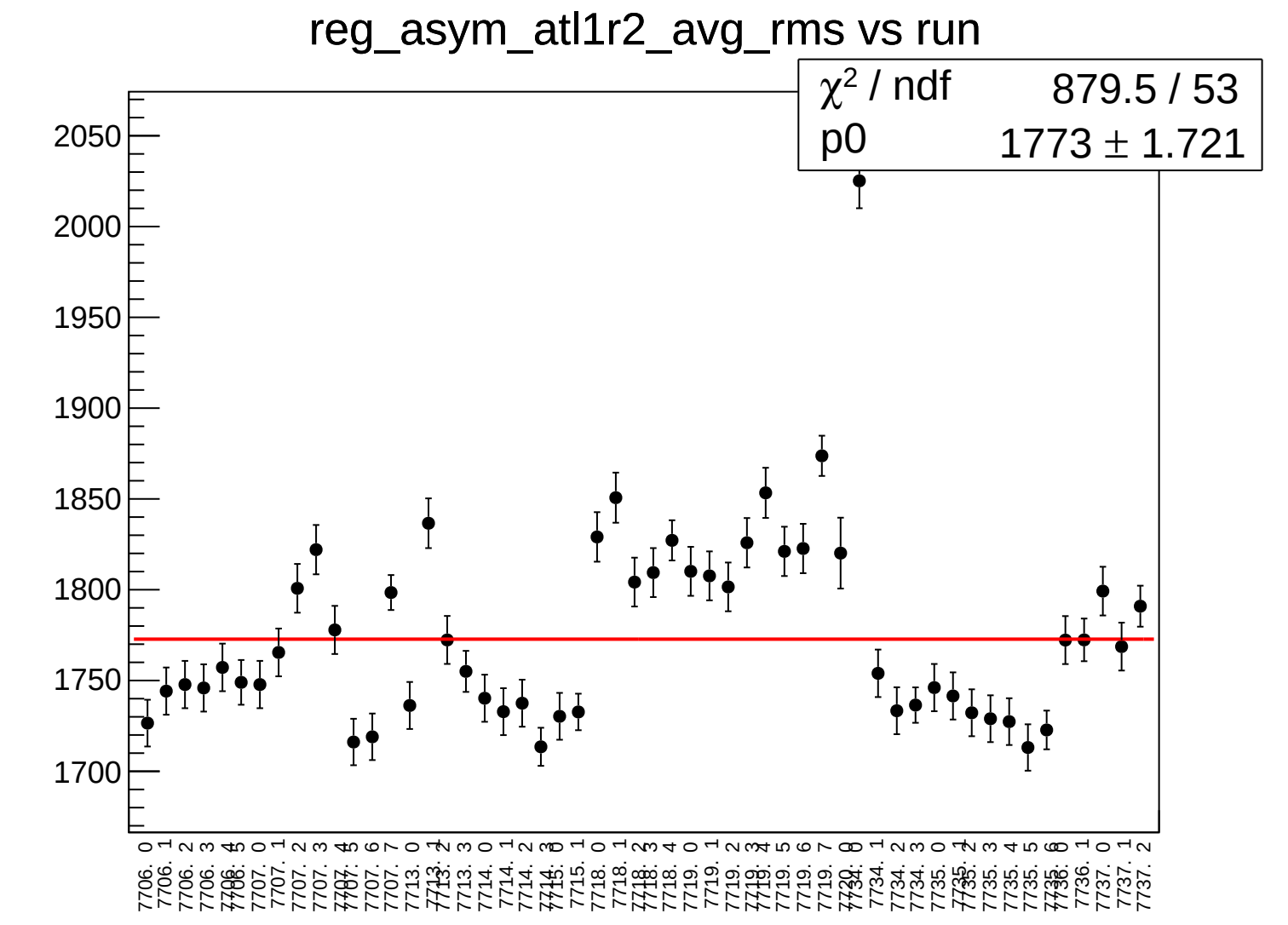

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.508e+04 / 53
p0 69.6 ± 0.07042
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

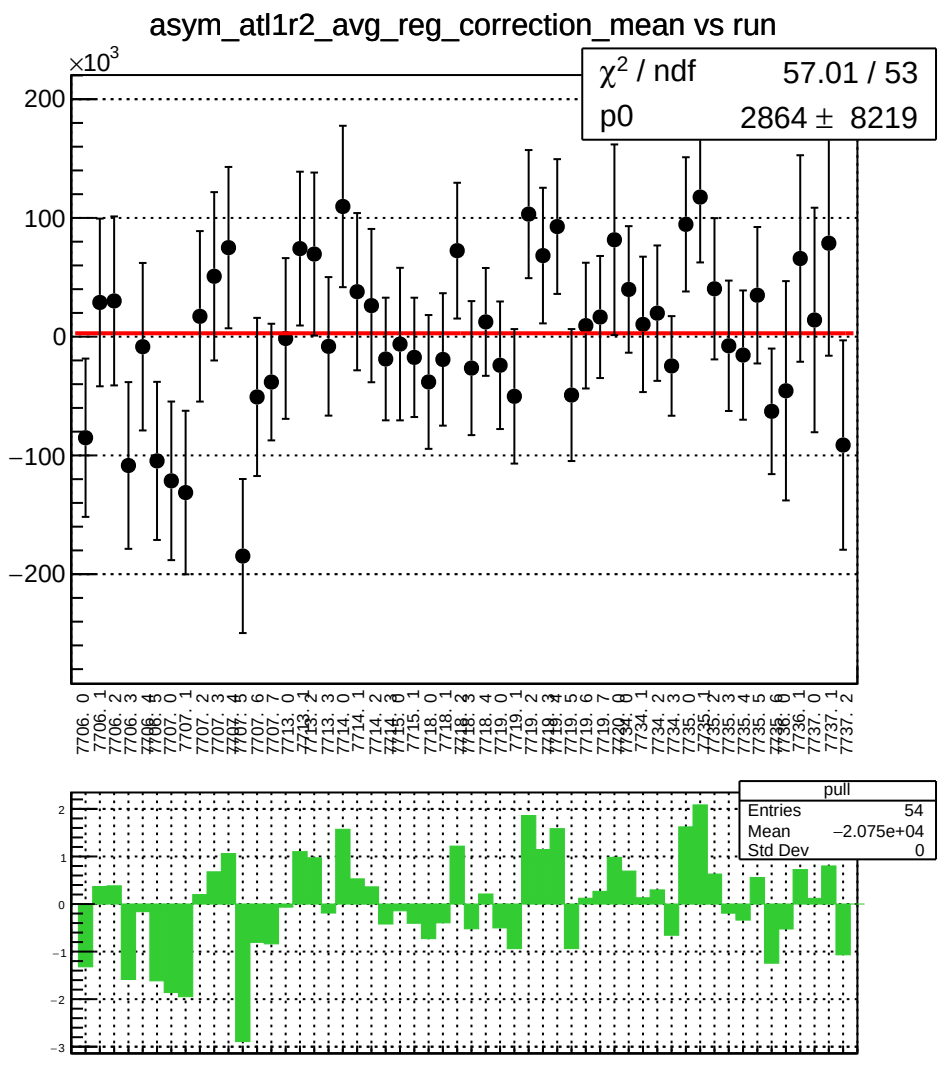

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 60.05 / 53
p0 −7.095e−14 ± 1.132e−13
pull
Entries 54
Mean 53.47
Std Dev 0
pull1D
Entries 54
Mean −0.08571
Std Dev 1.051

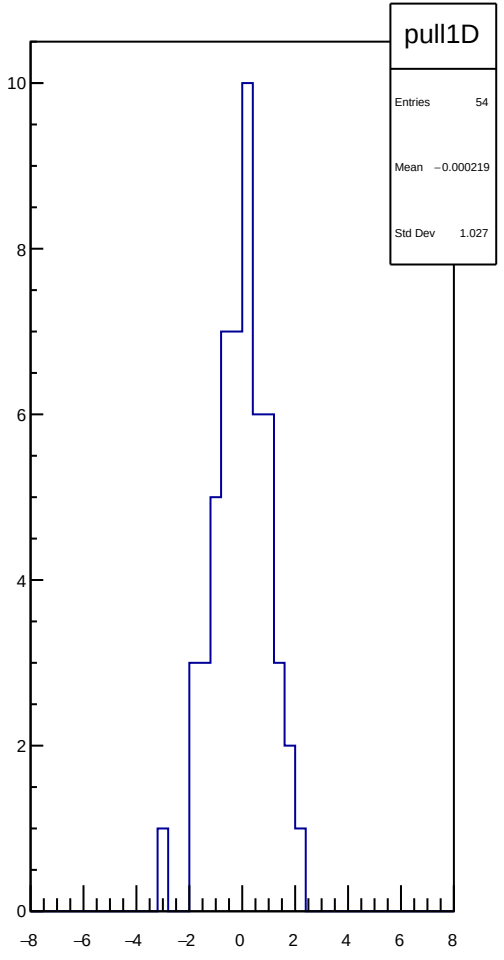

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.775e+05 / 53
p0 4.27e−11 ± 8.005e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

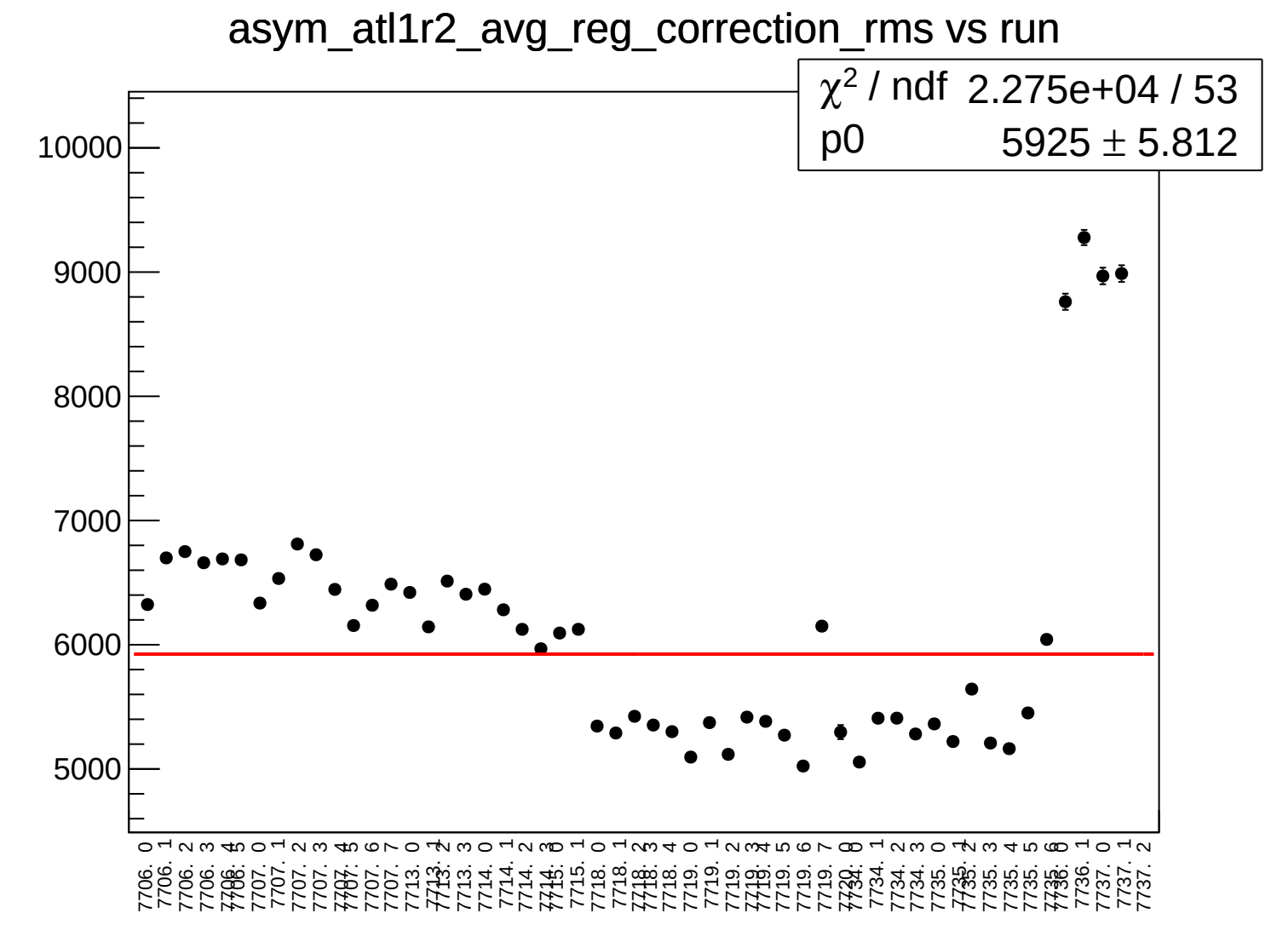

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 48.66 / 53
p0 210.3 ± 2434
pull
Entries 54
Mean −108.5
Std Dev 0

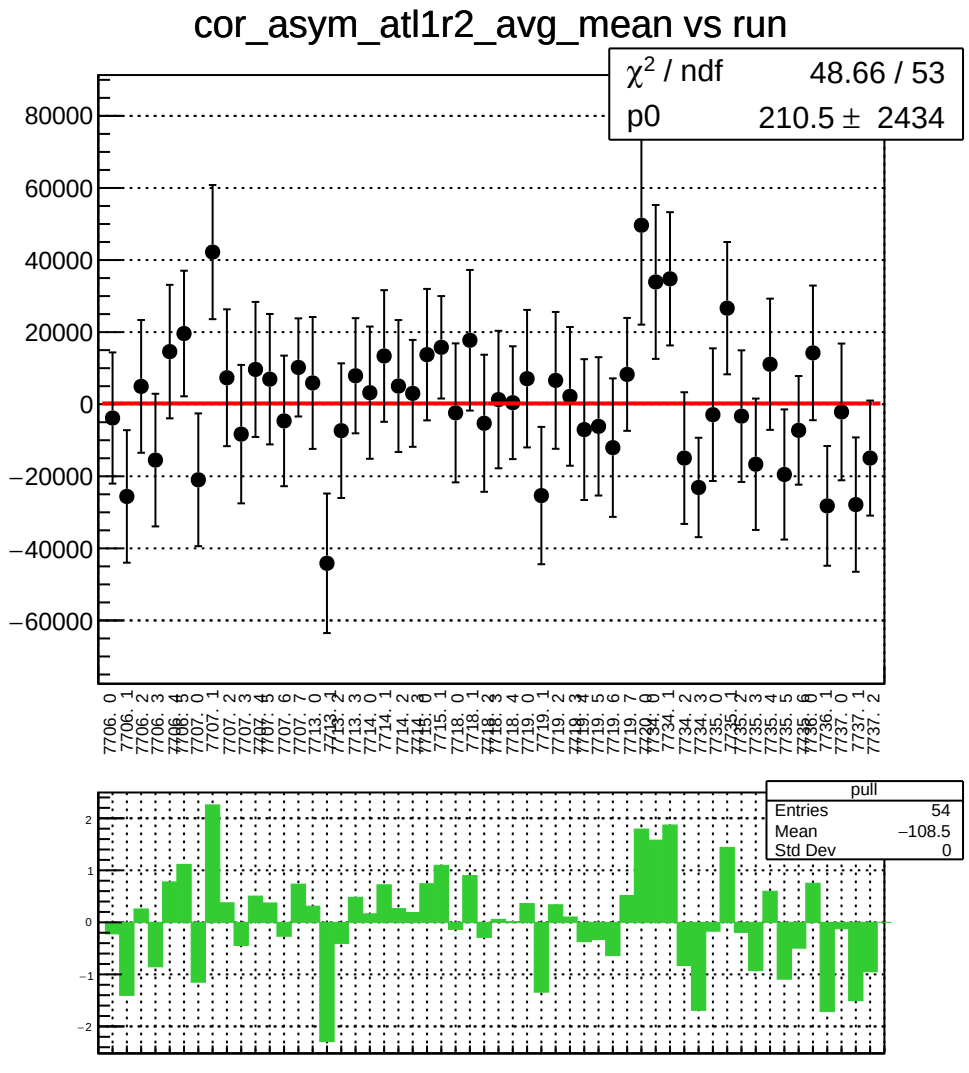

pull1D
Entries 54
Mean 0.01561
Std Dev 0.9491

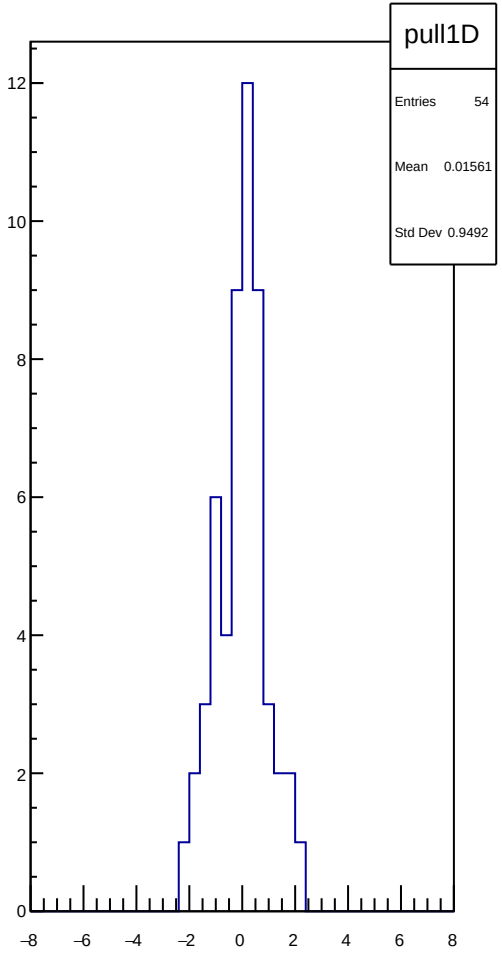

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 879.5 / 53
p0 1773 ± 1.721
2050
2000
1950
1900
1850
1800
1750
1700

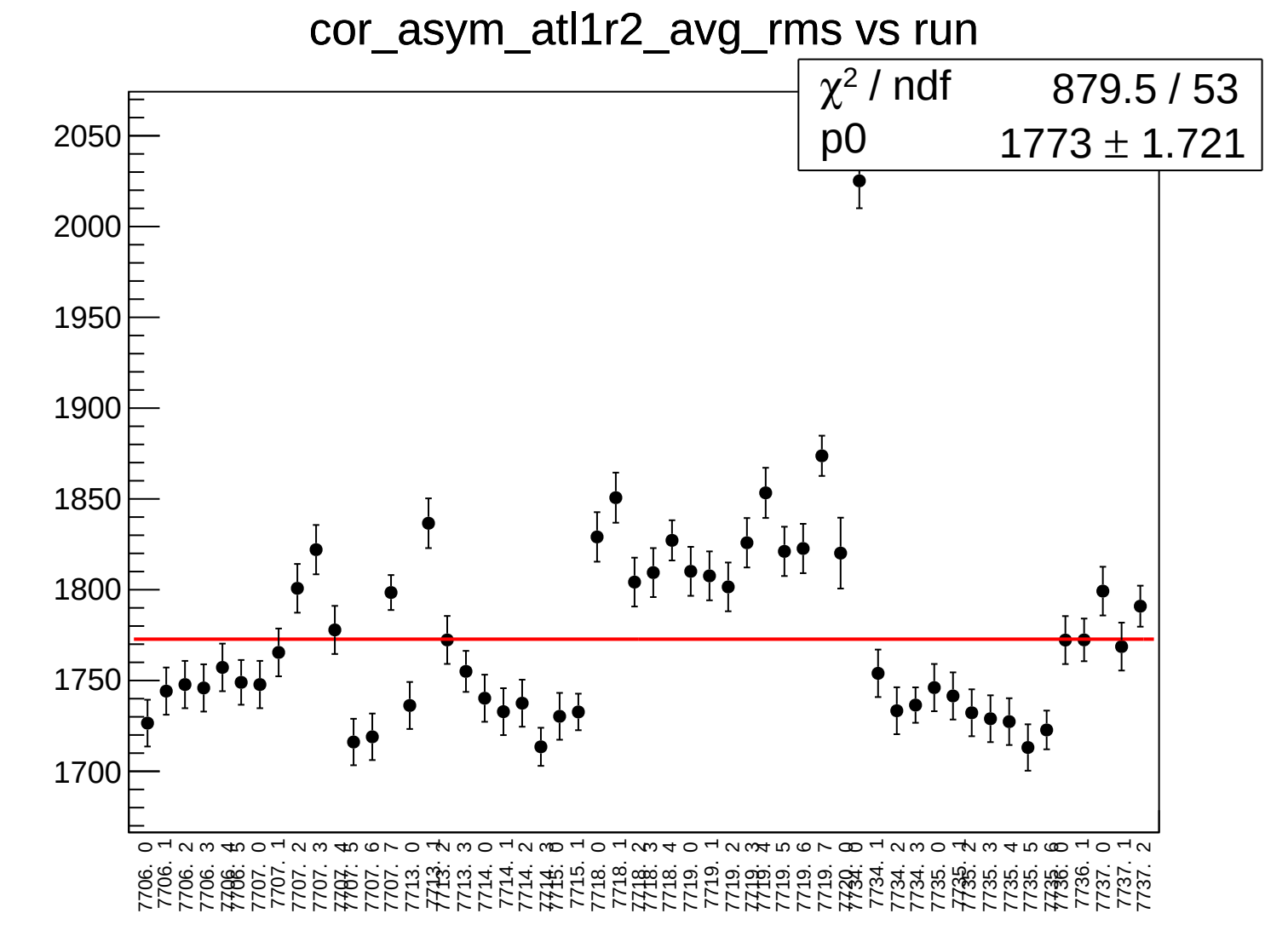

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 57.01 / 53
p0 2864 ± 8219
200
100
0
−100
−200
pull
Entries 54
Mean −2.075e+04
Std Dev 0
2
1
0
−1
−2
−3

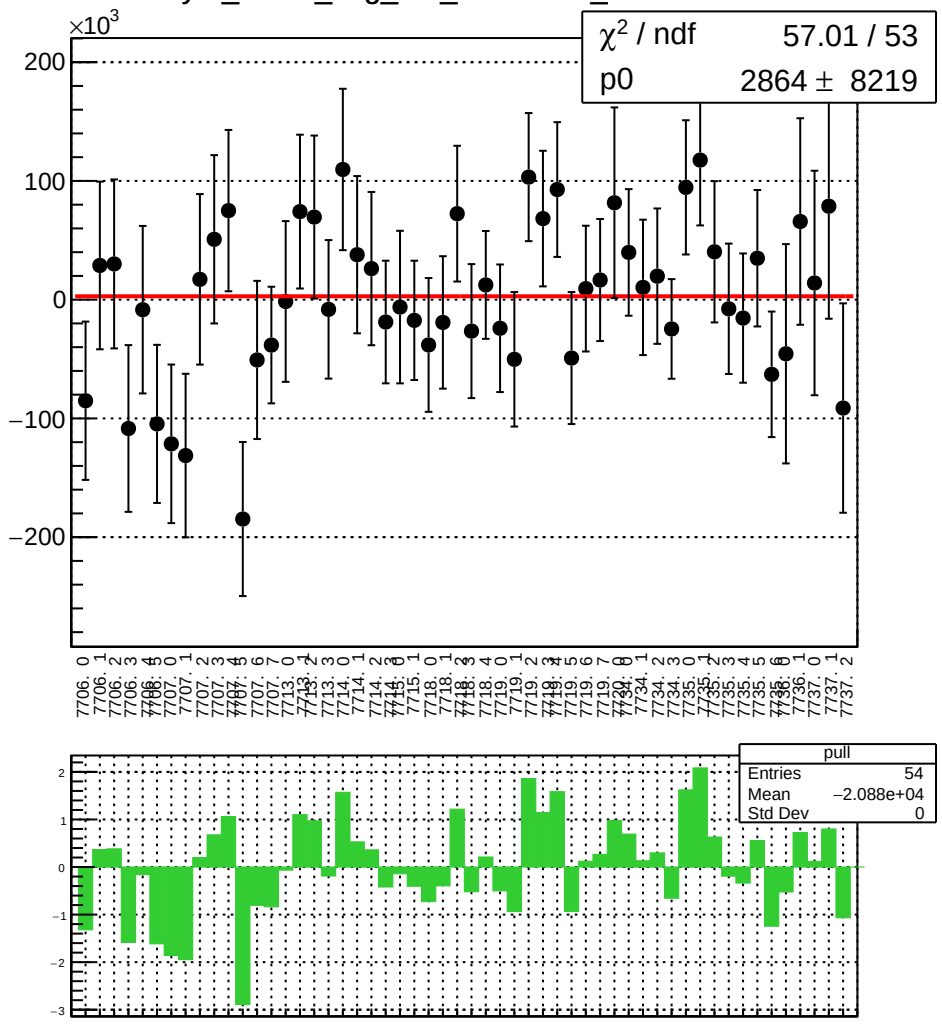

pull1D
Entries 54
Mean −0.000219
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

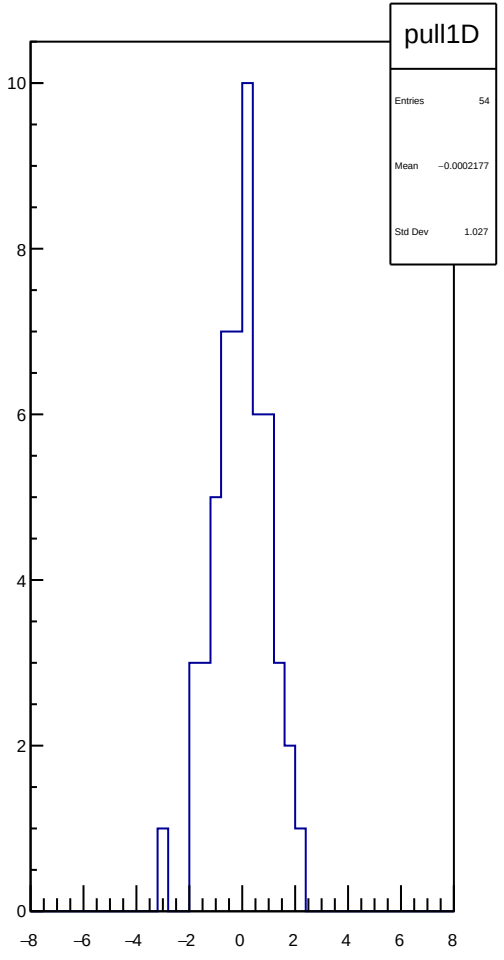

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2.275e+04 / 53
p0 5925 ± 5.812
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

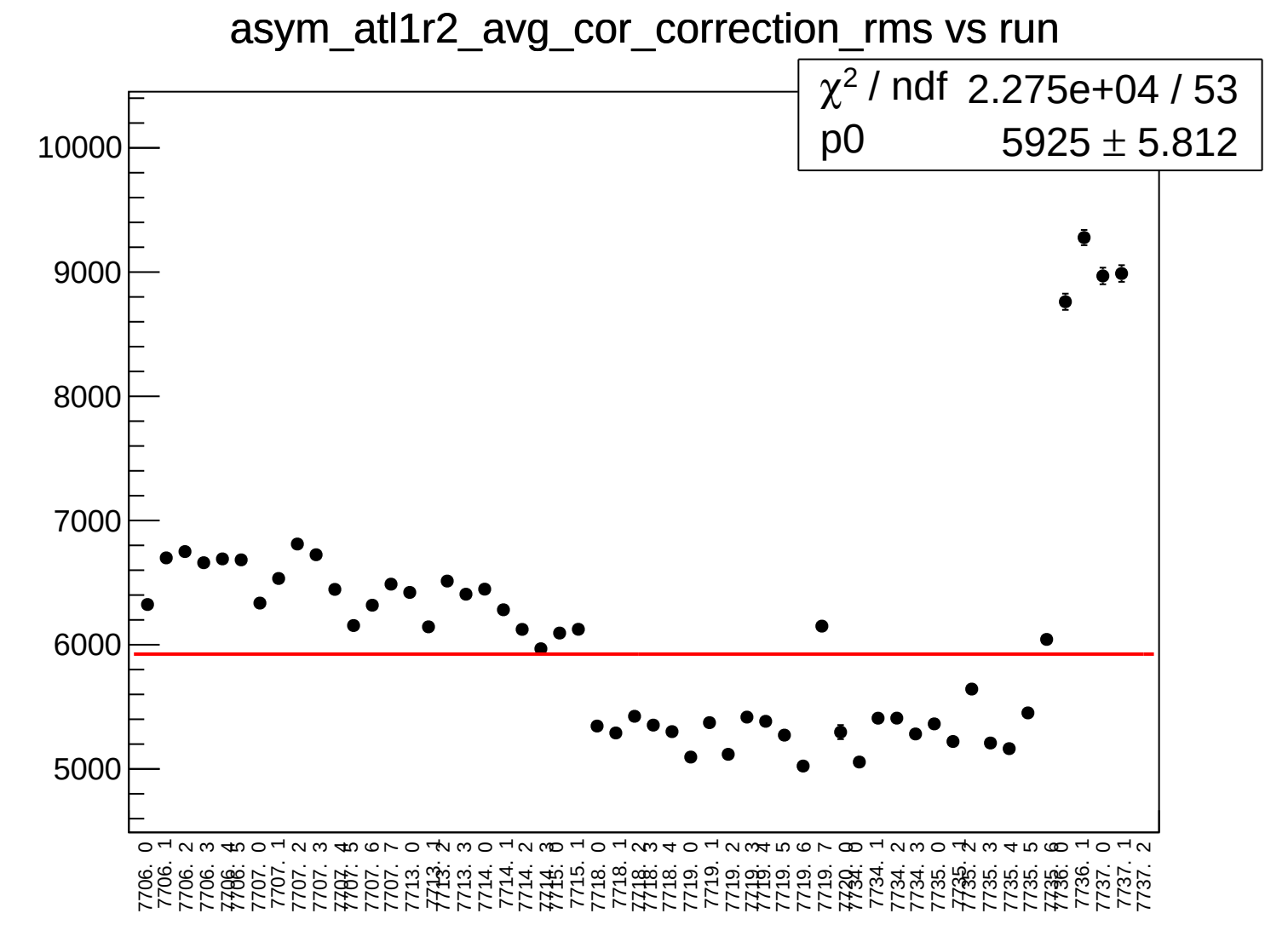

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 48.66 / 53
p0 210.5 ± 2434
pull
Entries 54
Mean −108.5
Std Dev 0

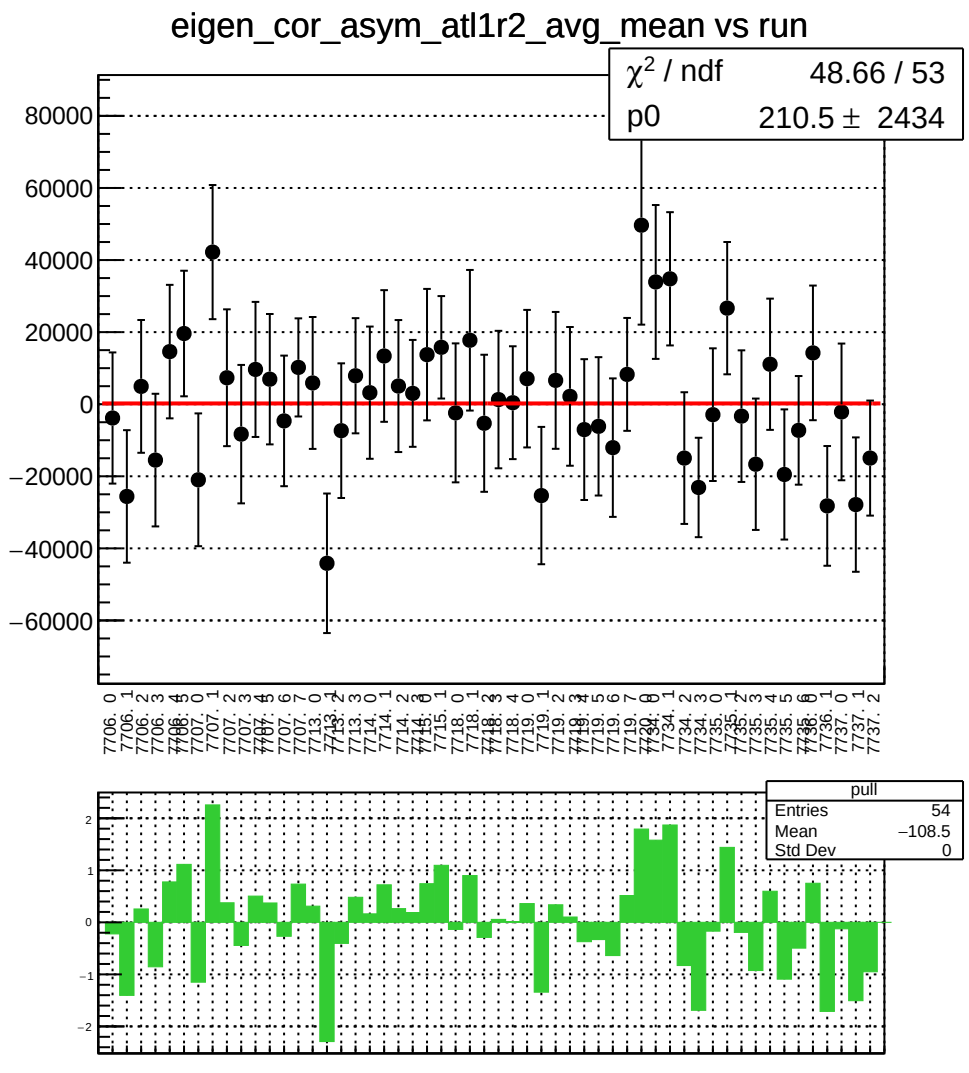

pull1D
Entries 54
Mean 0.01561
Std Dev 0.9492

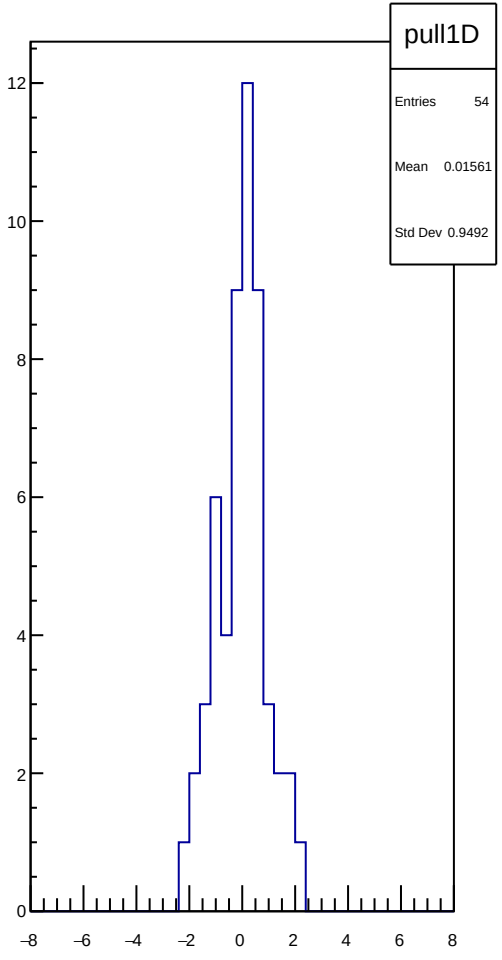

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 879.5 / 53
p0 1773 ± 1.721
2050
2000
1950
1900
1850
1800
1750
1700

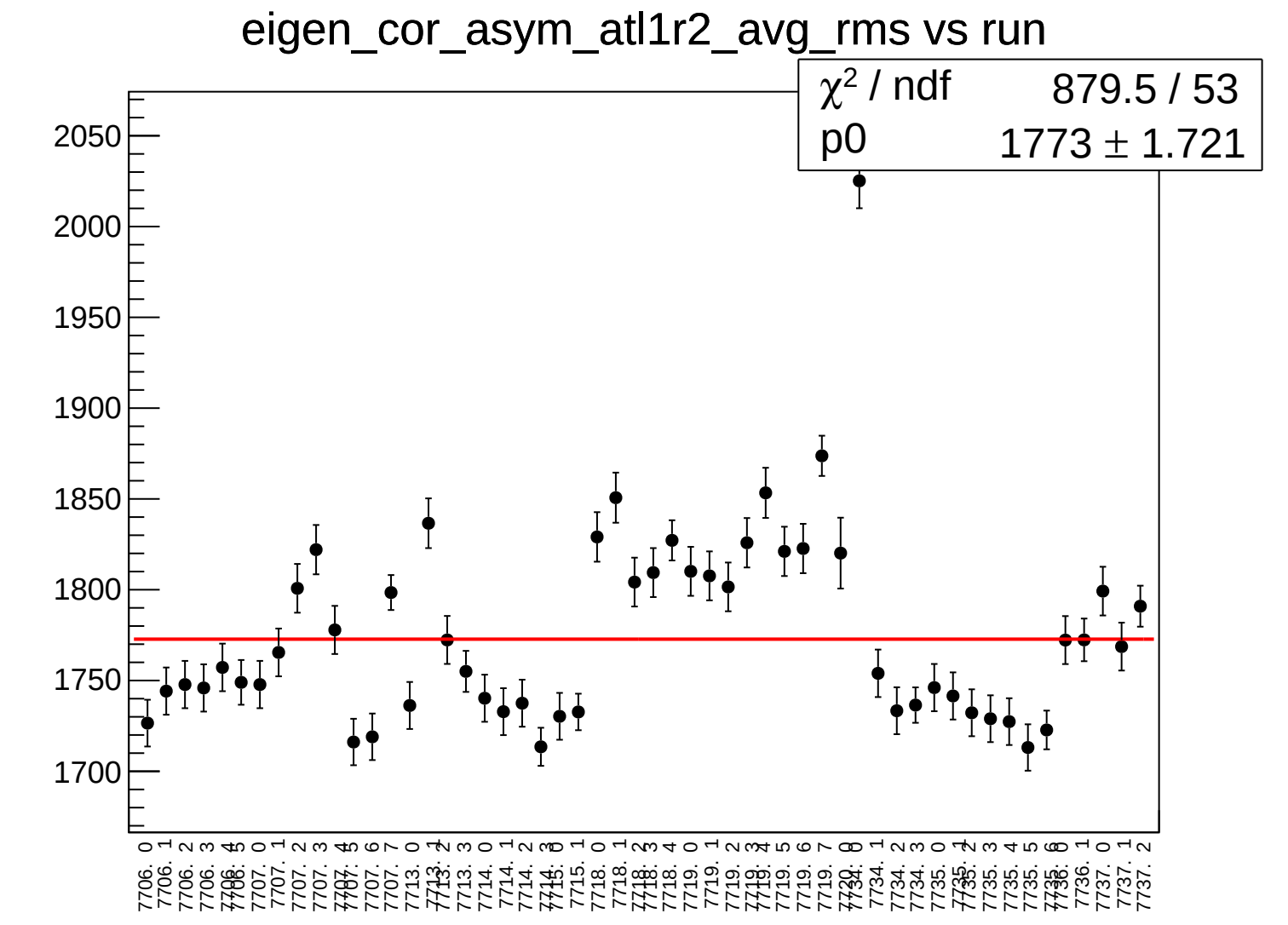

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 57.01 / 53
p0 2864 ± 8219
200
100
0
−100
−200
pull
Entries 54
Mean −2.088e+04
Std Dev 0
2
1
0
−1
−2
−3

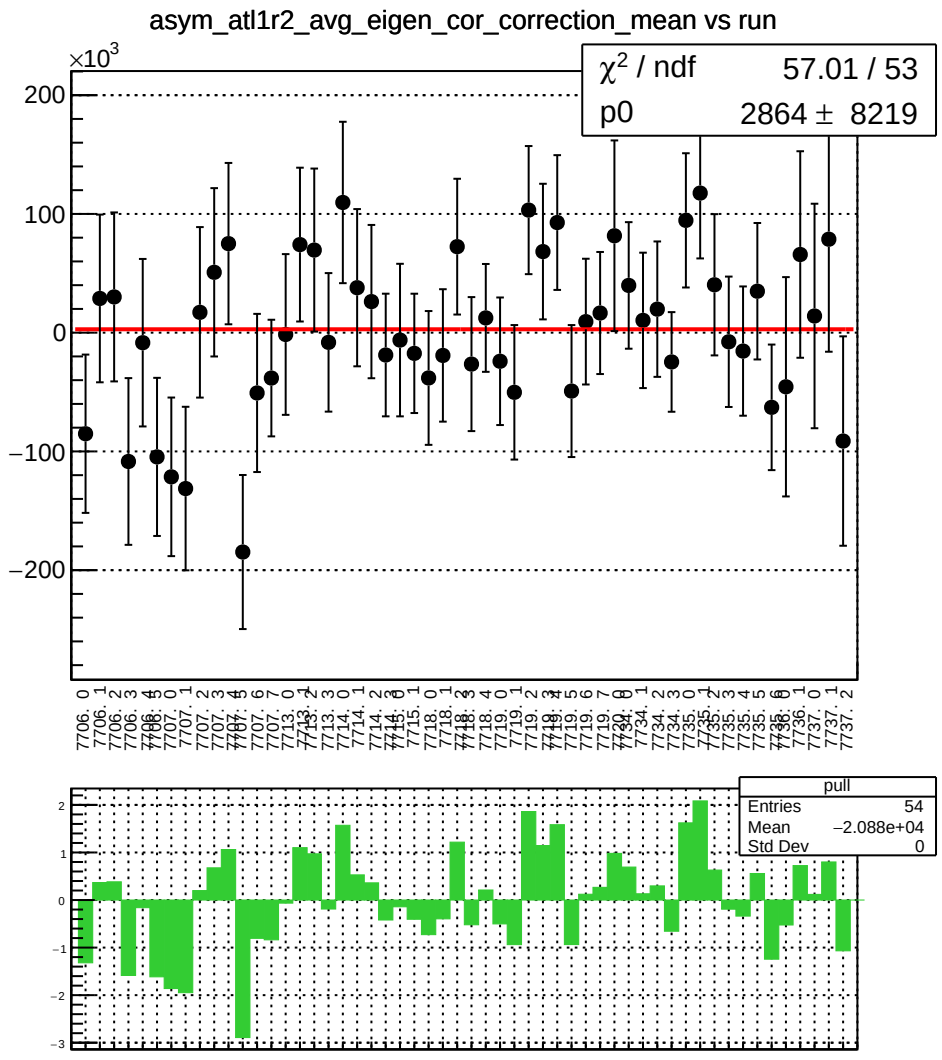

pull1D
Entries 54
Mean −0.0002177
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

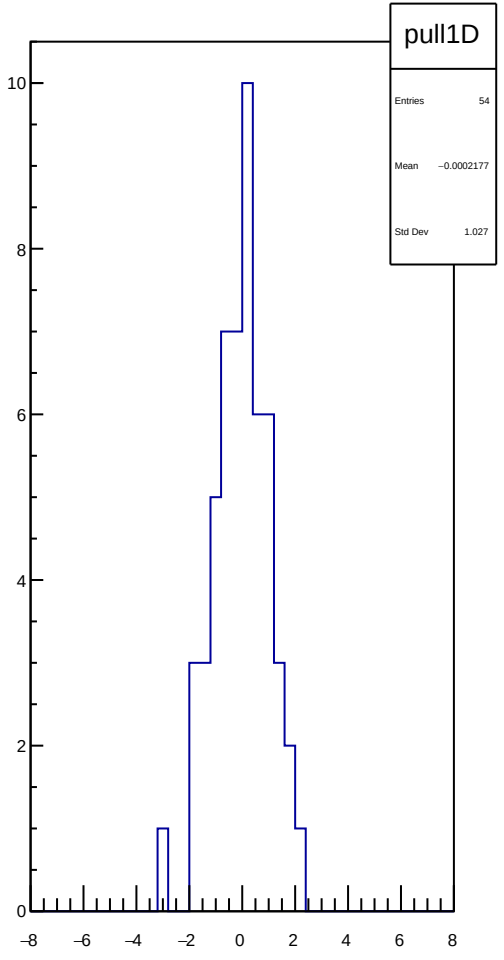

asym_atl1r2_avg_cor_correction_rms vs run
χ^2 / ndf 2.275e+04 / 53
p0 5925 ± 5.812
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

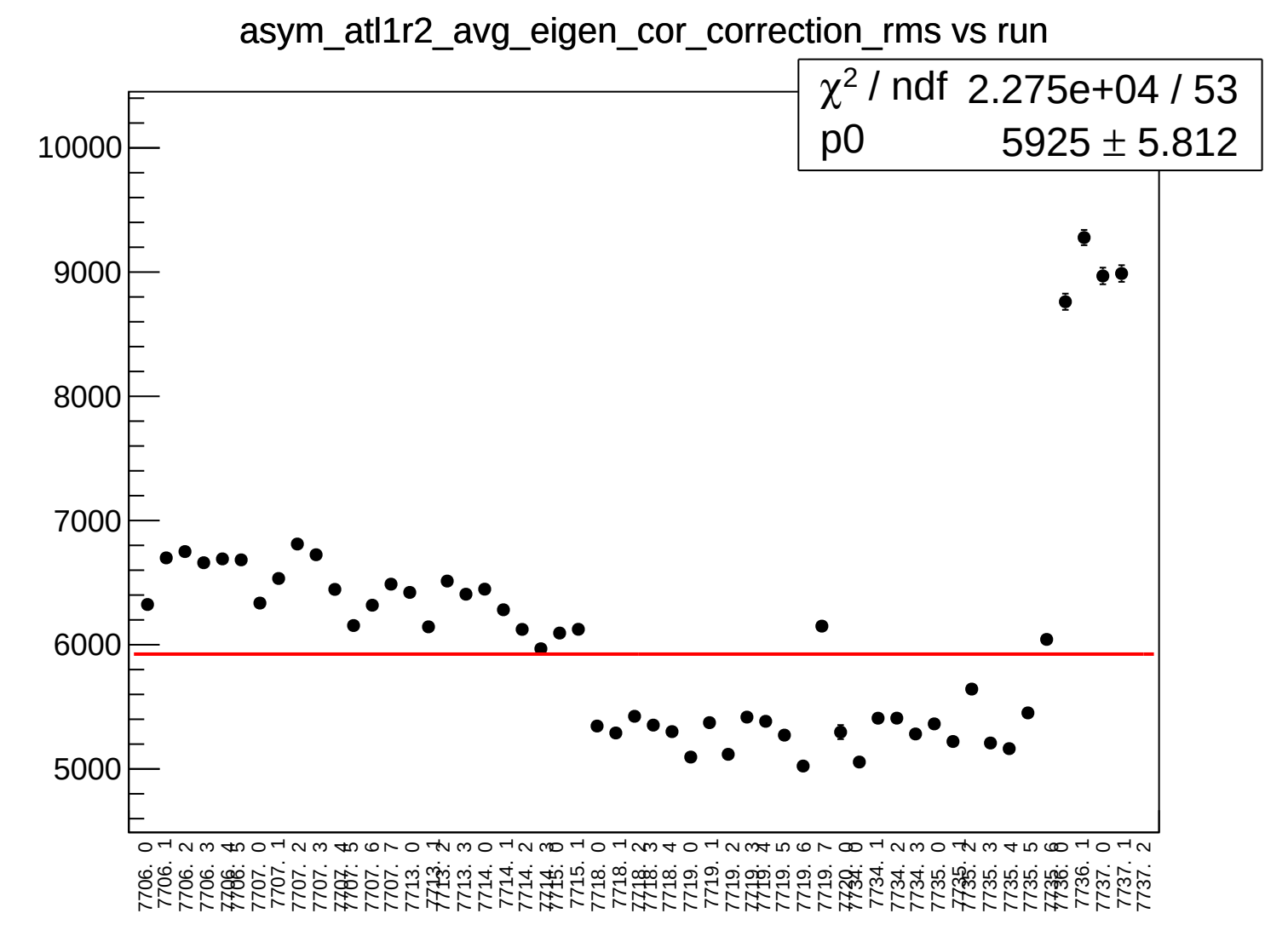

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 48.66 / 53
p0 210.5 ± 2434
pull
Entries 54
Mean −108.5
Std Dev 0

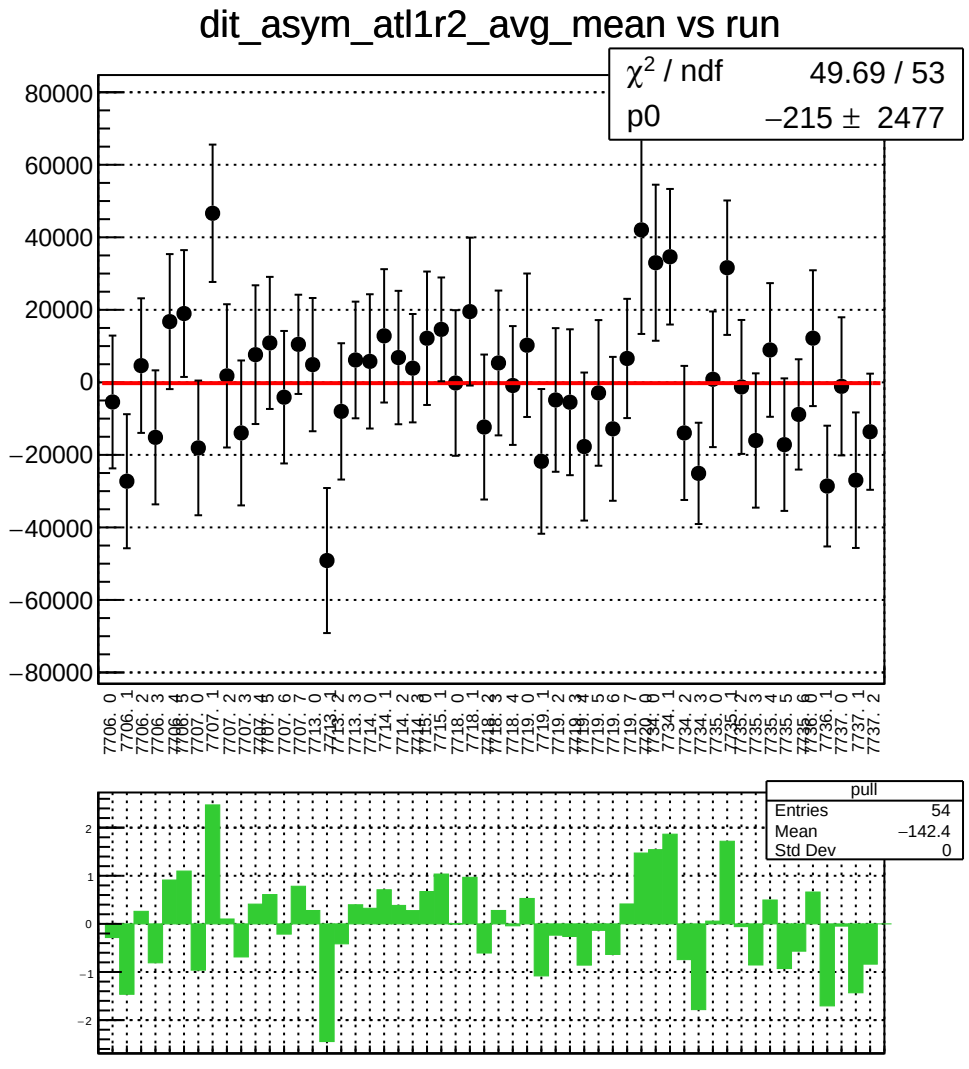

pull1D
Entries 54
Mean 0.01561
Std Dev 0.9492

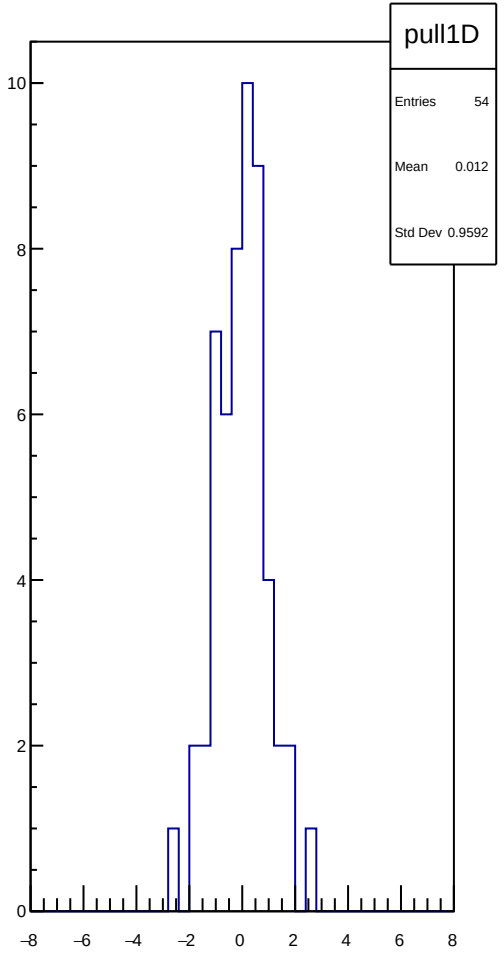

eigen_cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 879.5 / 53
p0 1773 ± 1.721
2050
2000
1950
1900
1850
1800
1750
1700

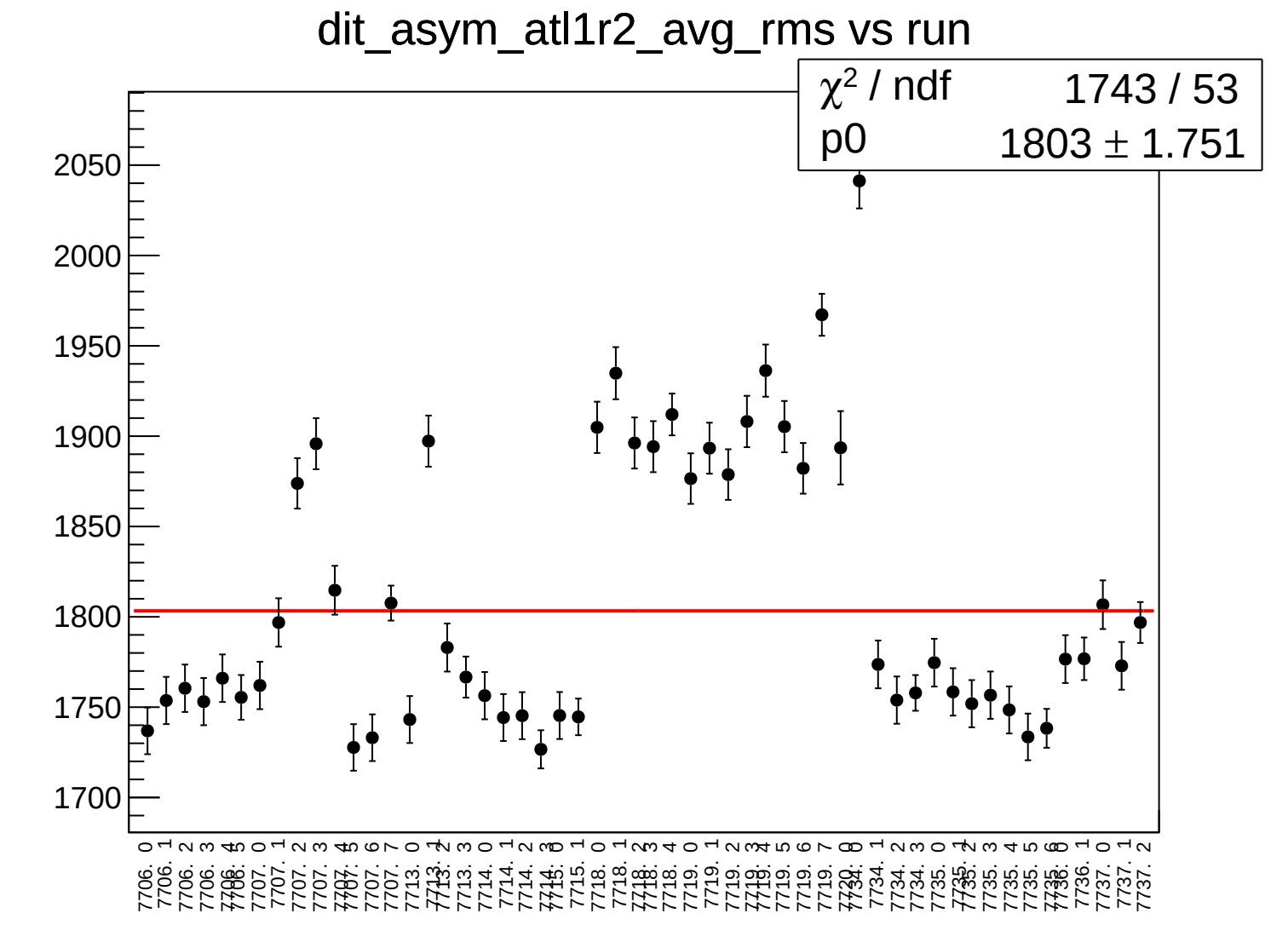

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.01 / 53
p0 2864 ± 8219
pull
Entries 54
Mean −2.088e+04
Std Dev 0

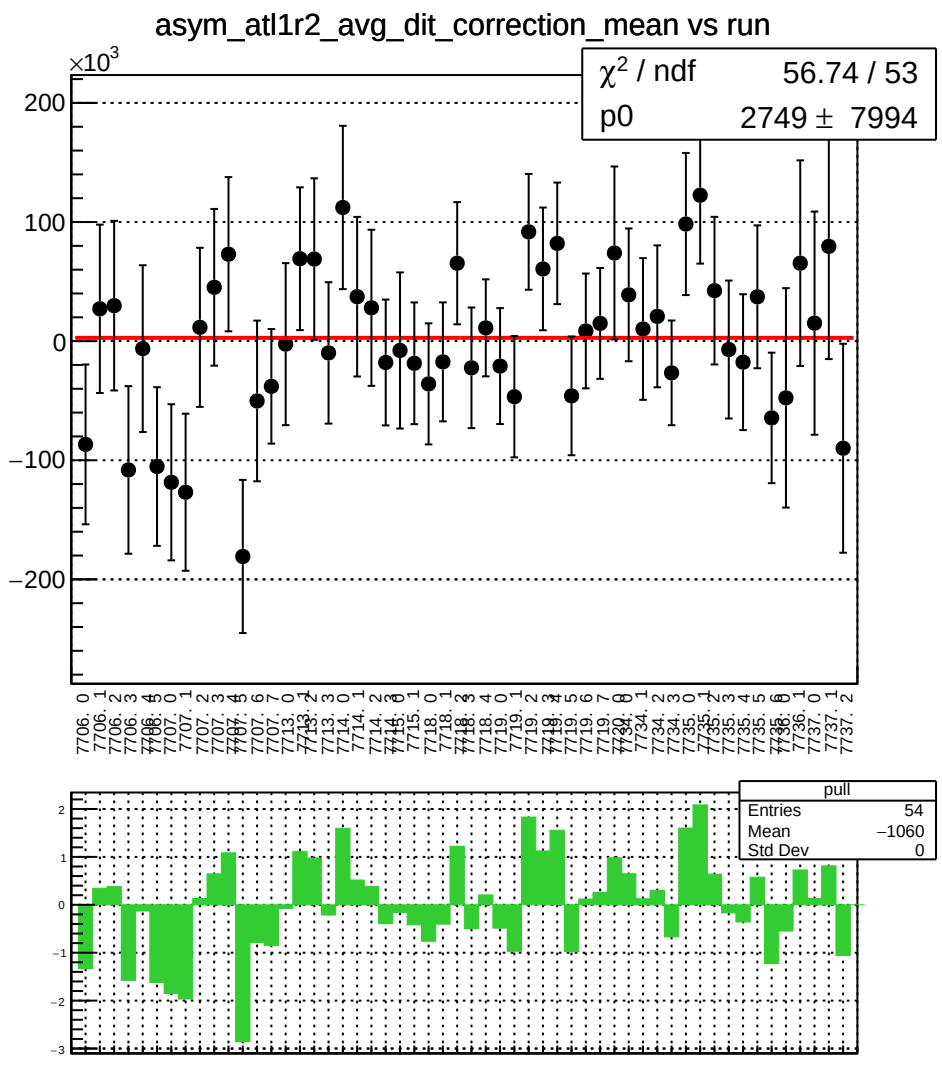

pull1D
Entries 54
Mean −0.0002177
Std Dev 1.027

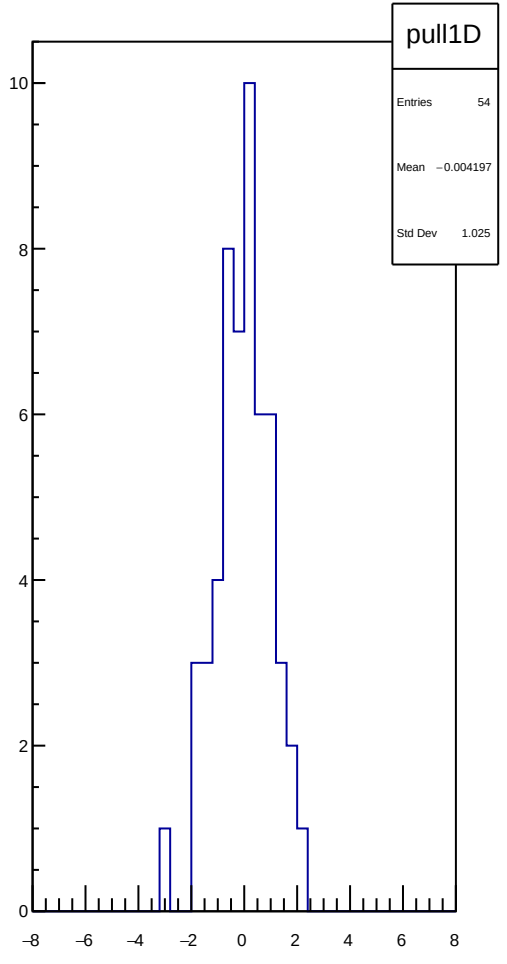

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.275e+04 / 53
p0 5925 ± 5.812
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

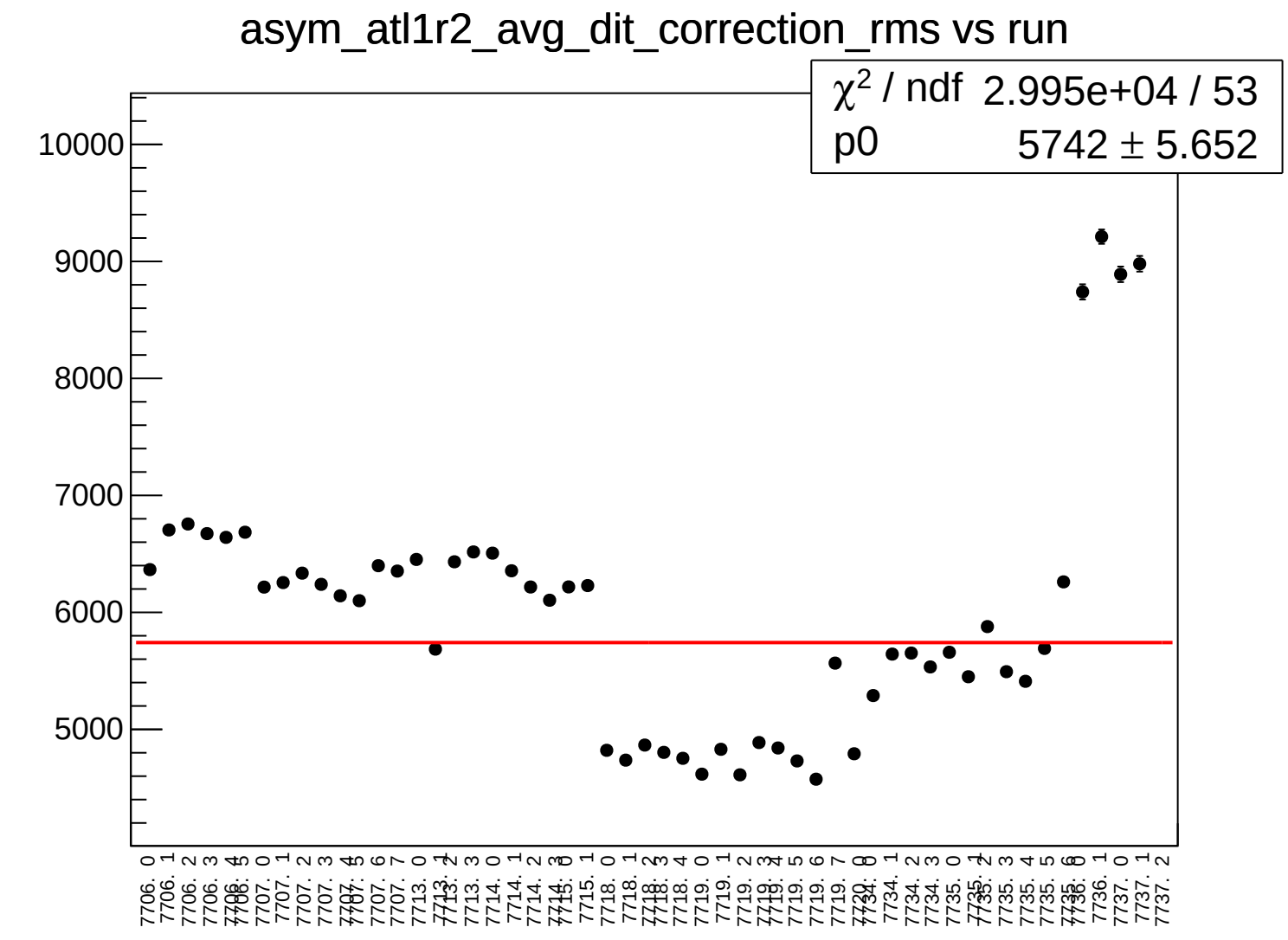

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 49.69 / 53
p0 −215 ± 2477
pull
Entries 54
Mean −142.4
Std Dev 0

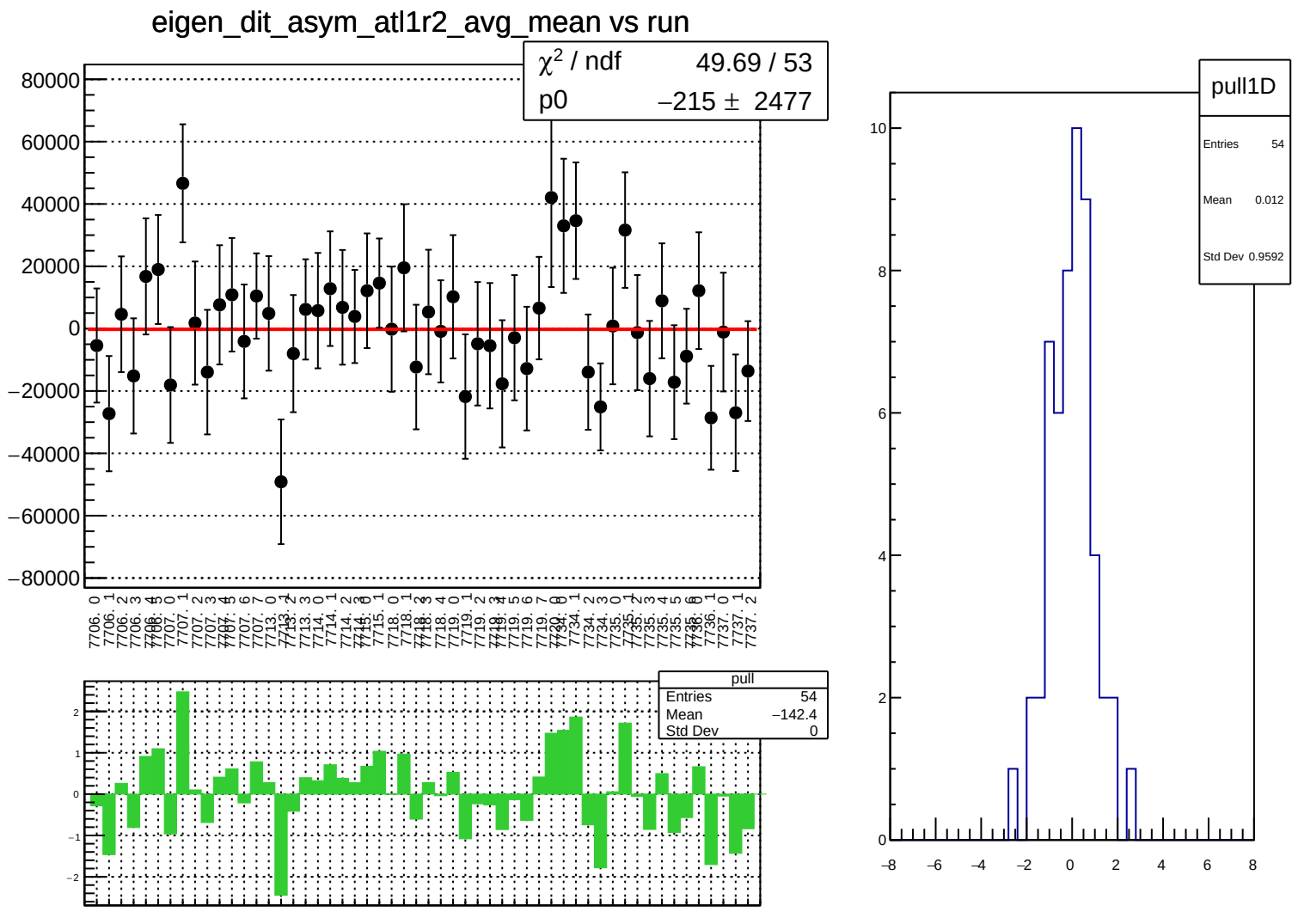

pull1D
Entries 54
Mean 0.012
Std Dev 0.9592

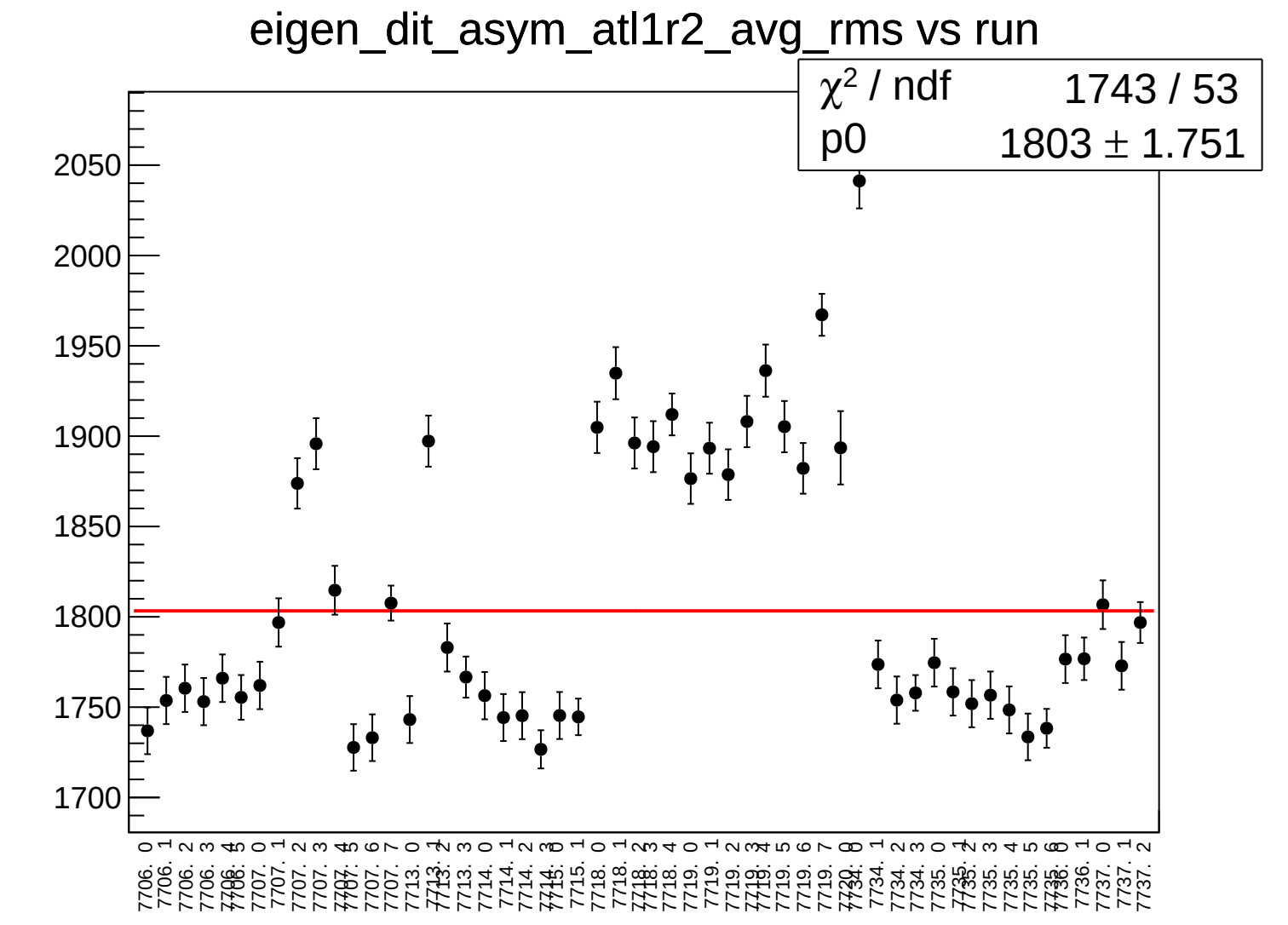

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 1743 / 53
p0 1803 ± 1.751
2050
2000
1950
1900
1850
1800
1750
1700

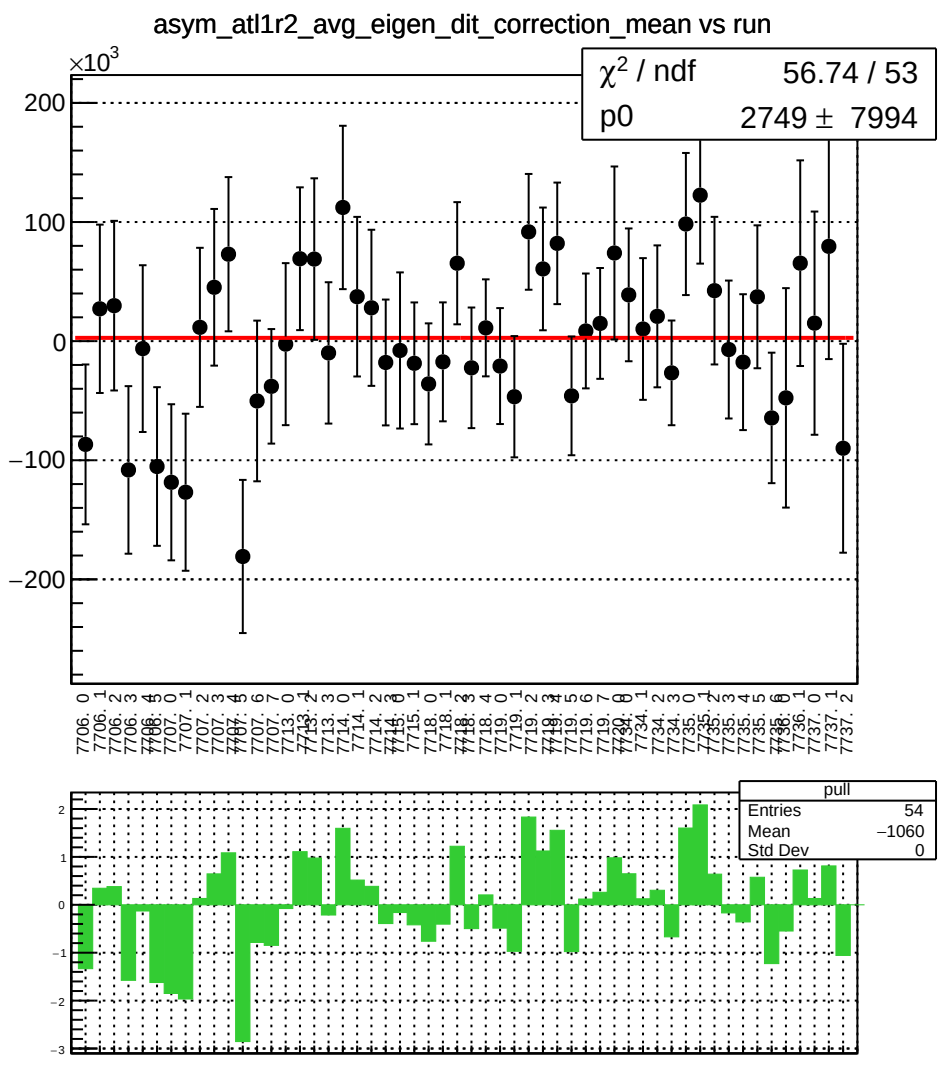

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.74 / 53
p0 2749 ± 7994
200
100
0
−100
−200
pull
Entries 54
Mean −1060
Std Dev 0
2
1
0
−1
−2
−3

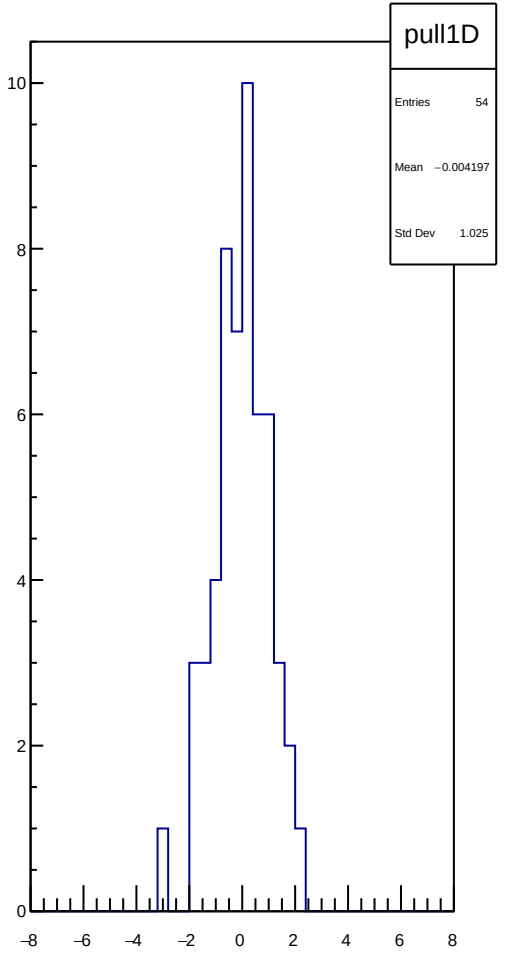

pull1D
Entries 54
Mean −0.004197
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

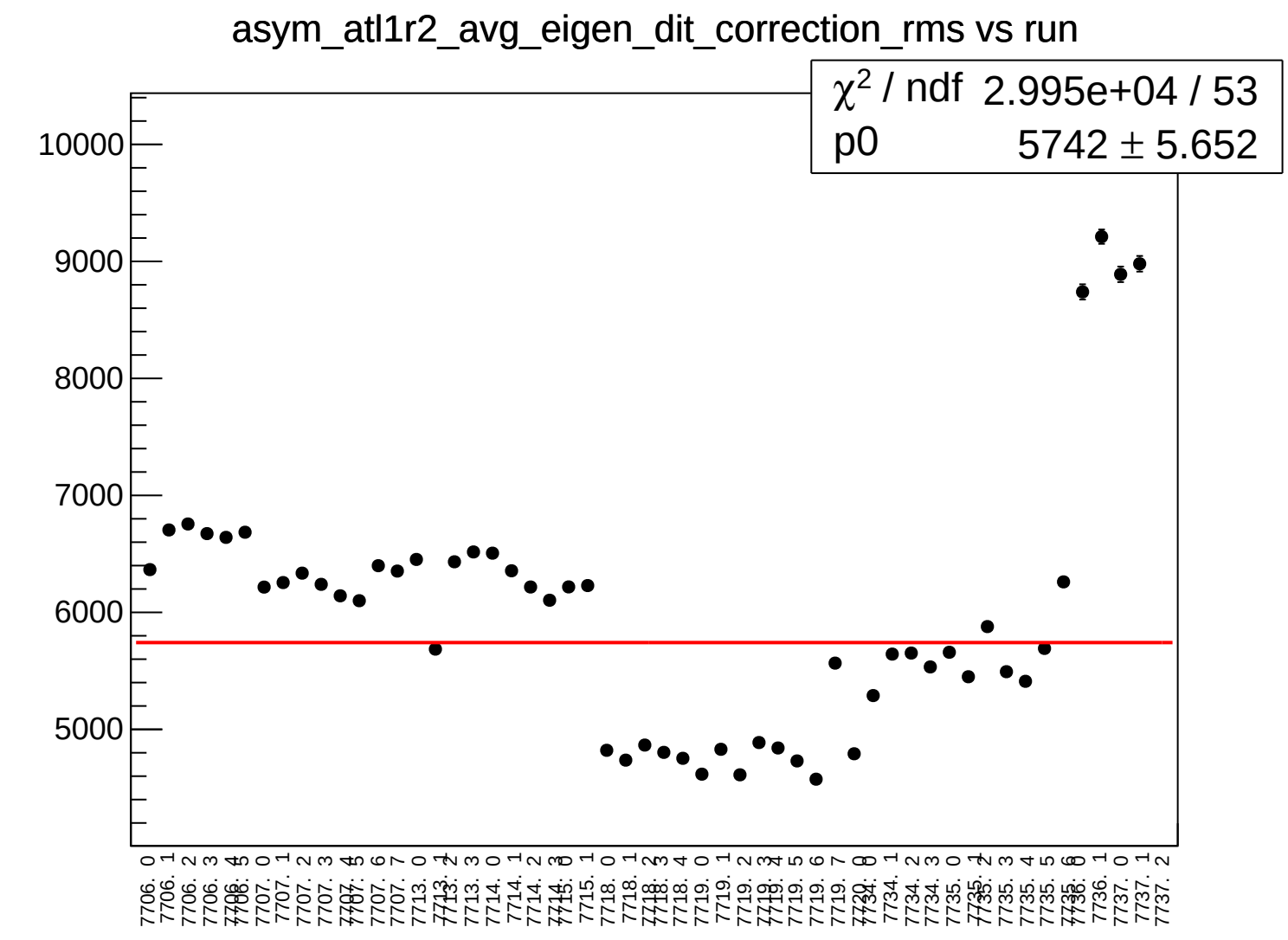

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2.995e+04 / 53
p0 5742 ± 5.652
10000
9000
8000
7000
6000
5000

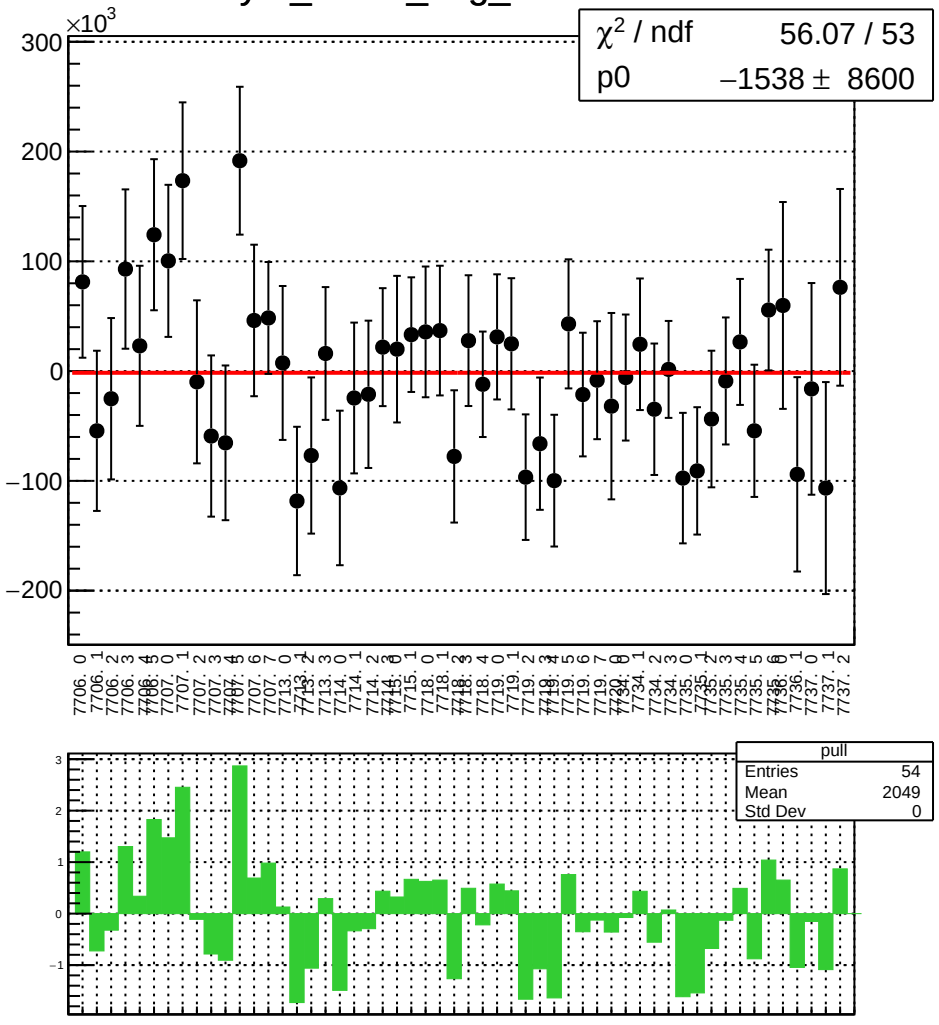

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 49.69 / 53
p0 −215 ± 2477
pull
Entries 54
Mean −142.4
Std Dev 0
pull1D
Entries 54
Mean 0.012
Std Dev 0.9592

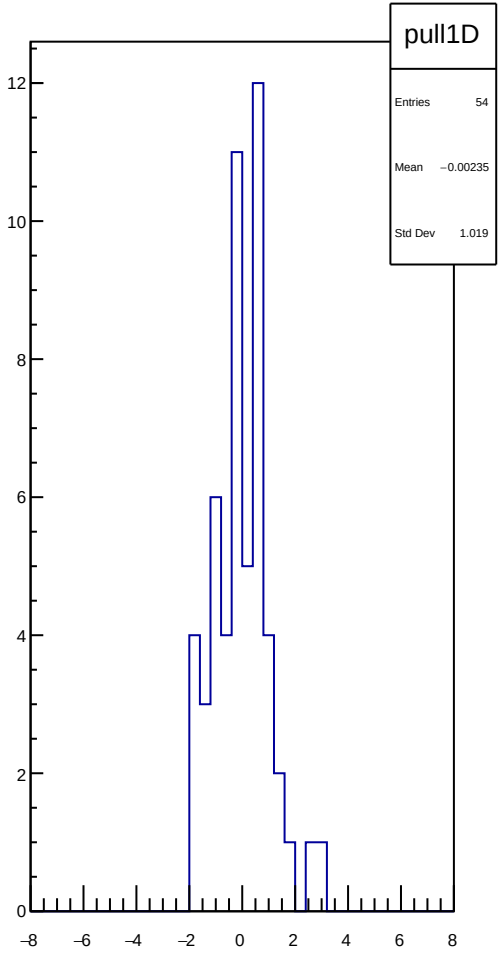

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 1743 / 53
p0 1803 ± 1.751
2050
2000
1950
1900
1850
1800
1750
1700

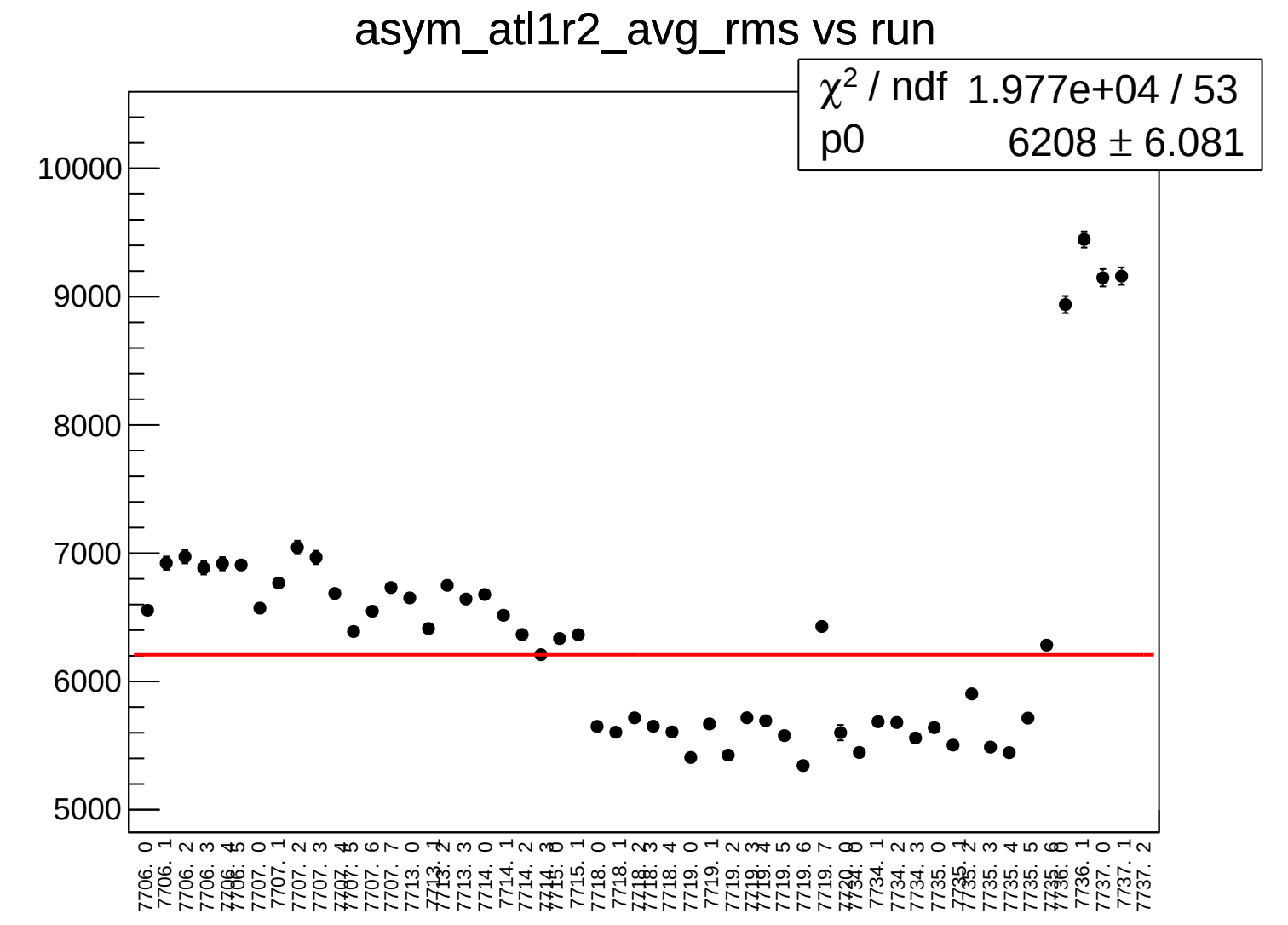

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.74 / 53
p0 2749 ± 7994
pull
Entries 54
Mean −1060
Std Dev 0

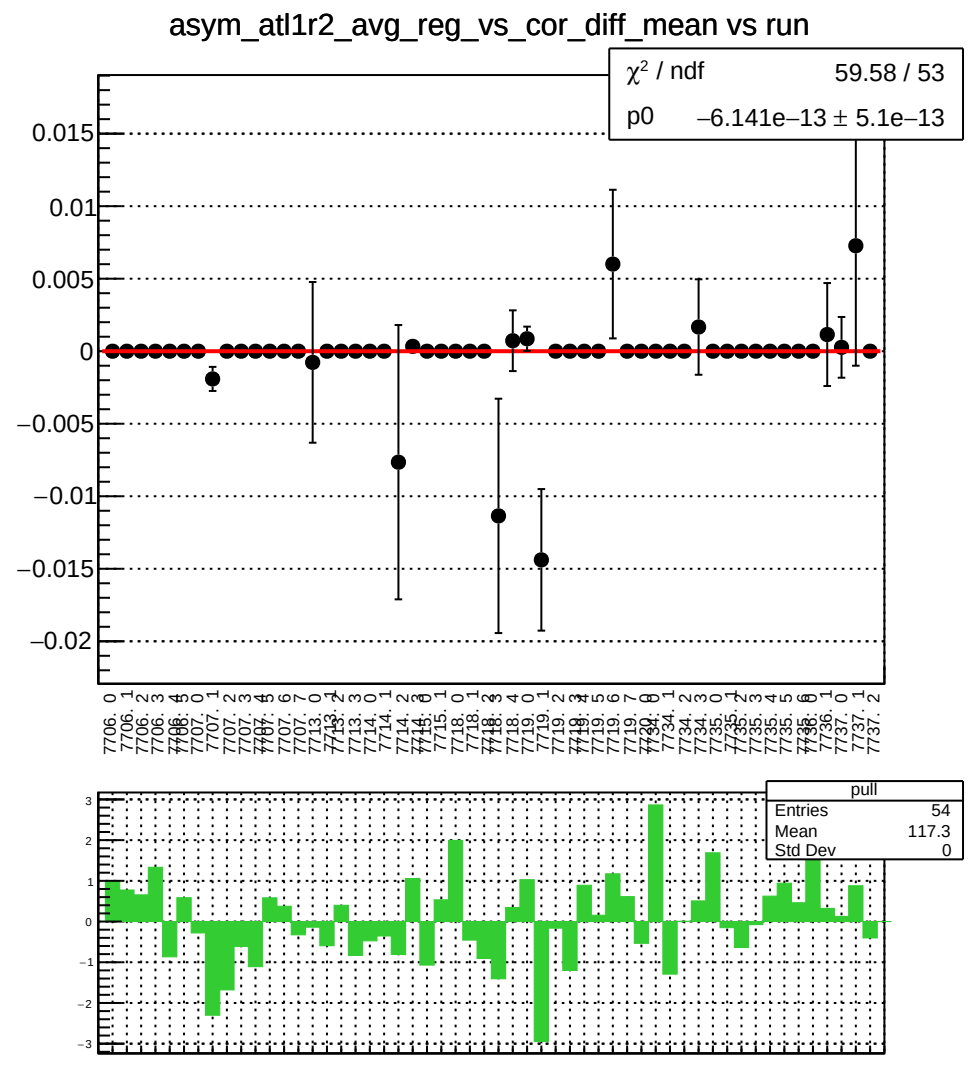

pull1D
Entries 54
Mean −0.004197
Std Dev 1.025

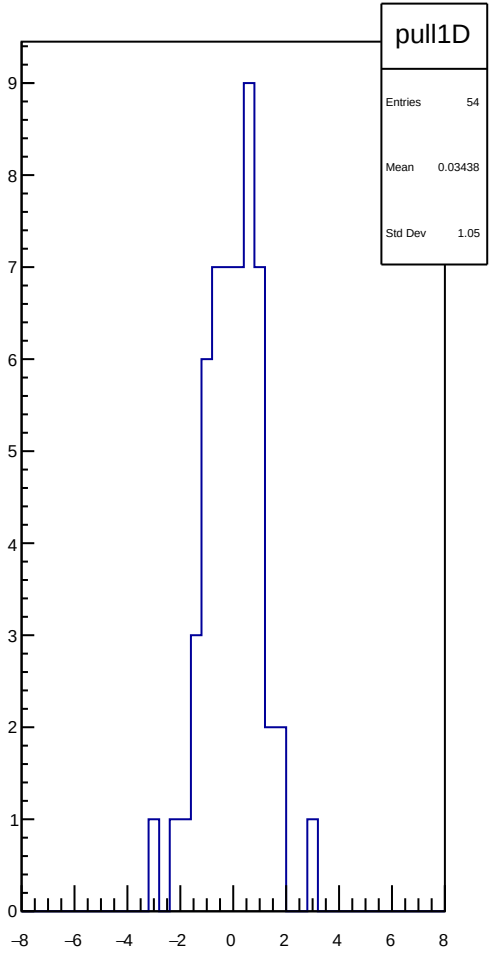

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.995e+04 / 53
p0 5742 ± 5.652
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

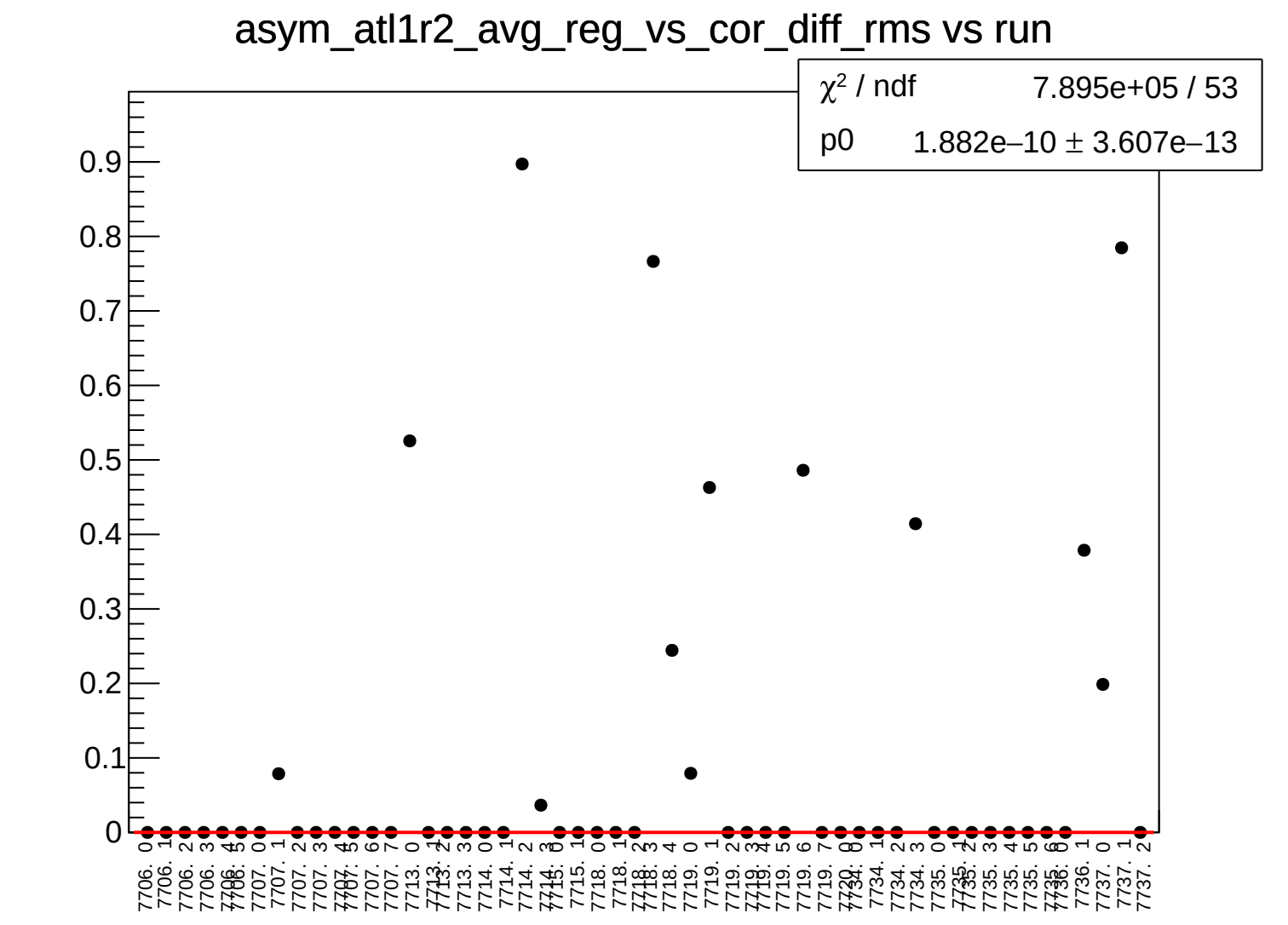

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 56.07 / 53
p0 −1538 ± 8600
pull
Entries 54
Mean 2049
Std Dev 0

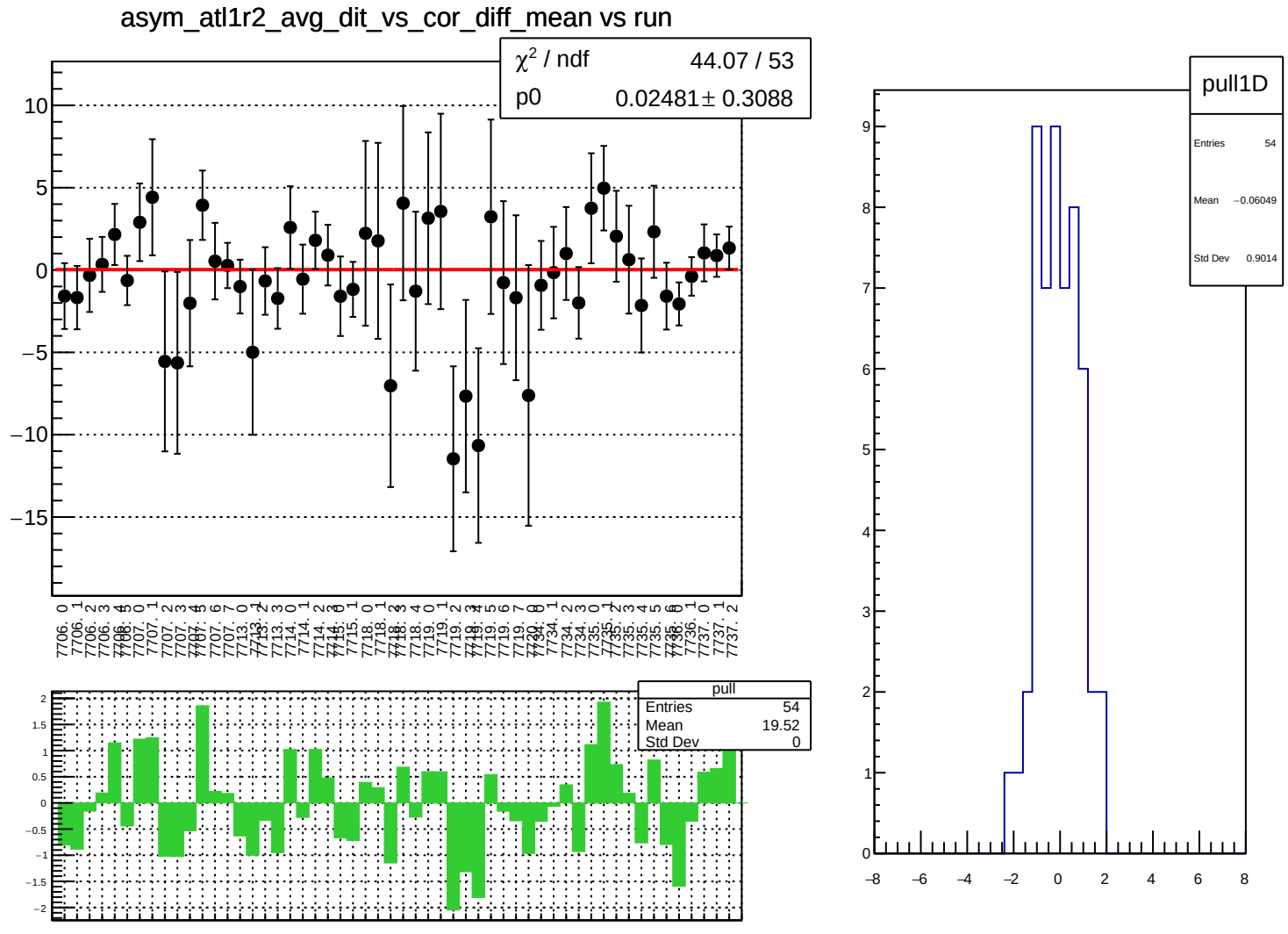

pull1D
Entries 54
Mean −0.00235
Std Dev 1.019

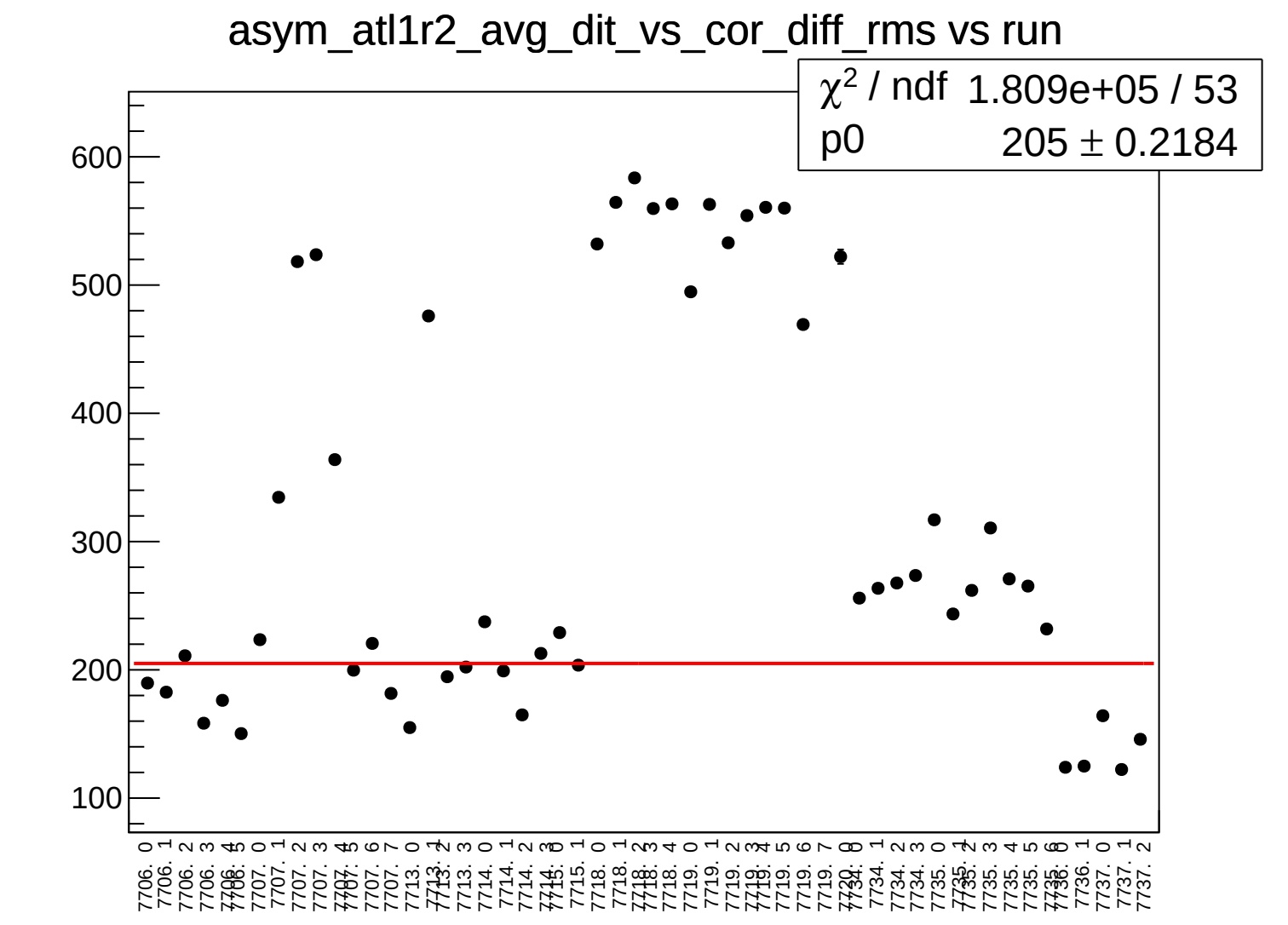

asym_atl1r2_avg_rms vs run
χ² / ndf 1.977e+04 / 53
p0 6208 ± 6.081
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

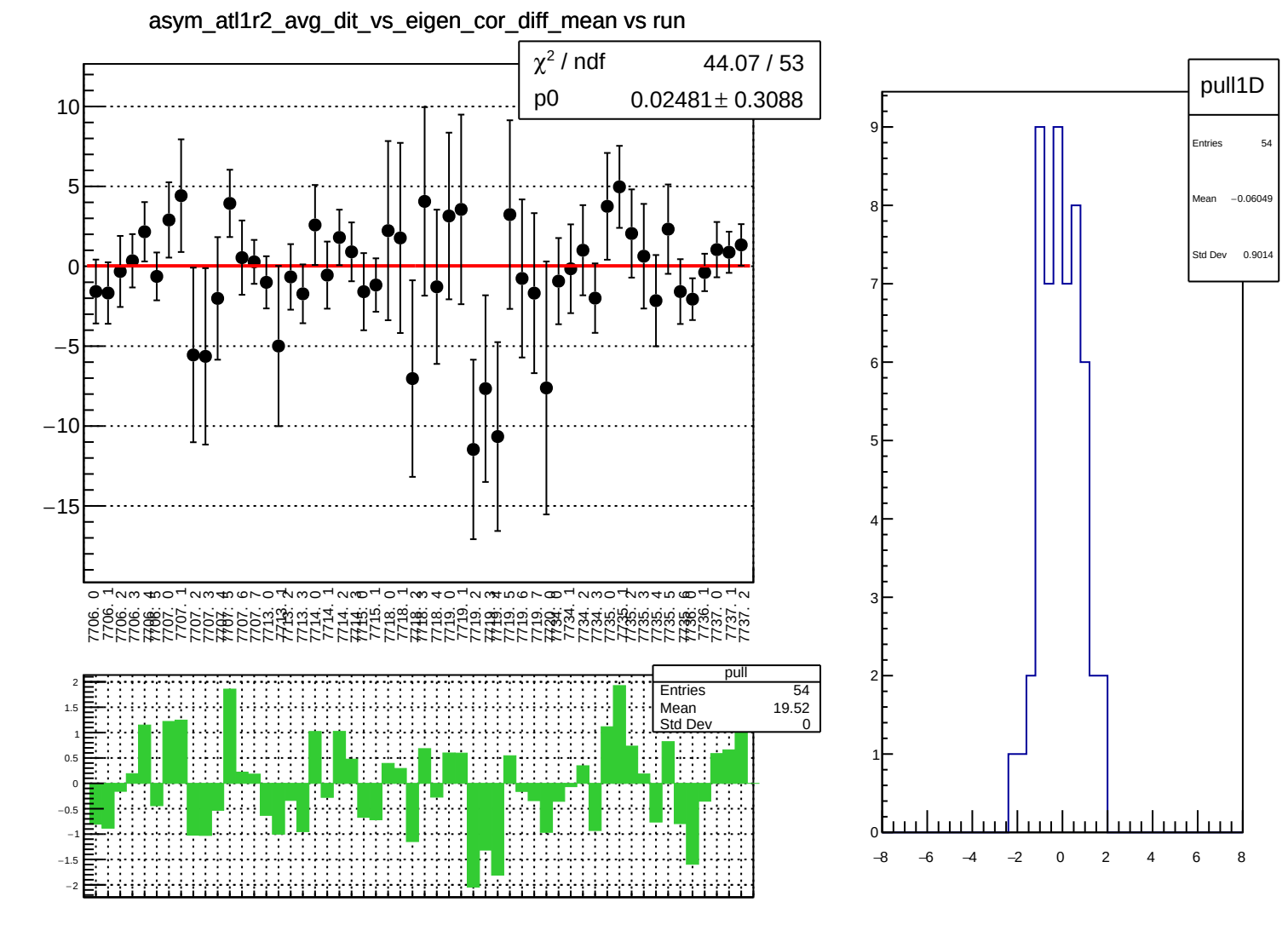

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.58 / 53
p0 −6.141e−13 ± 5.1e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 117.3
Std Dev 0

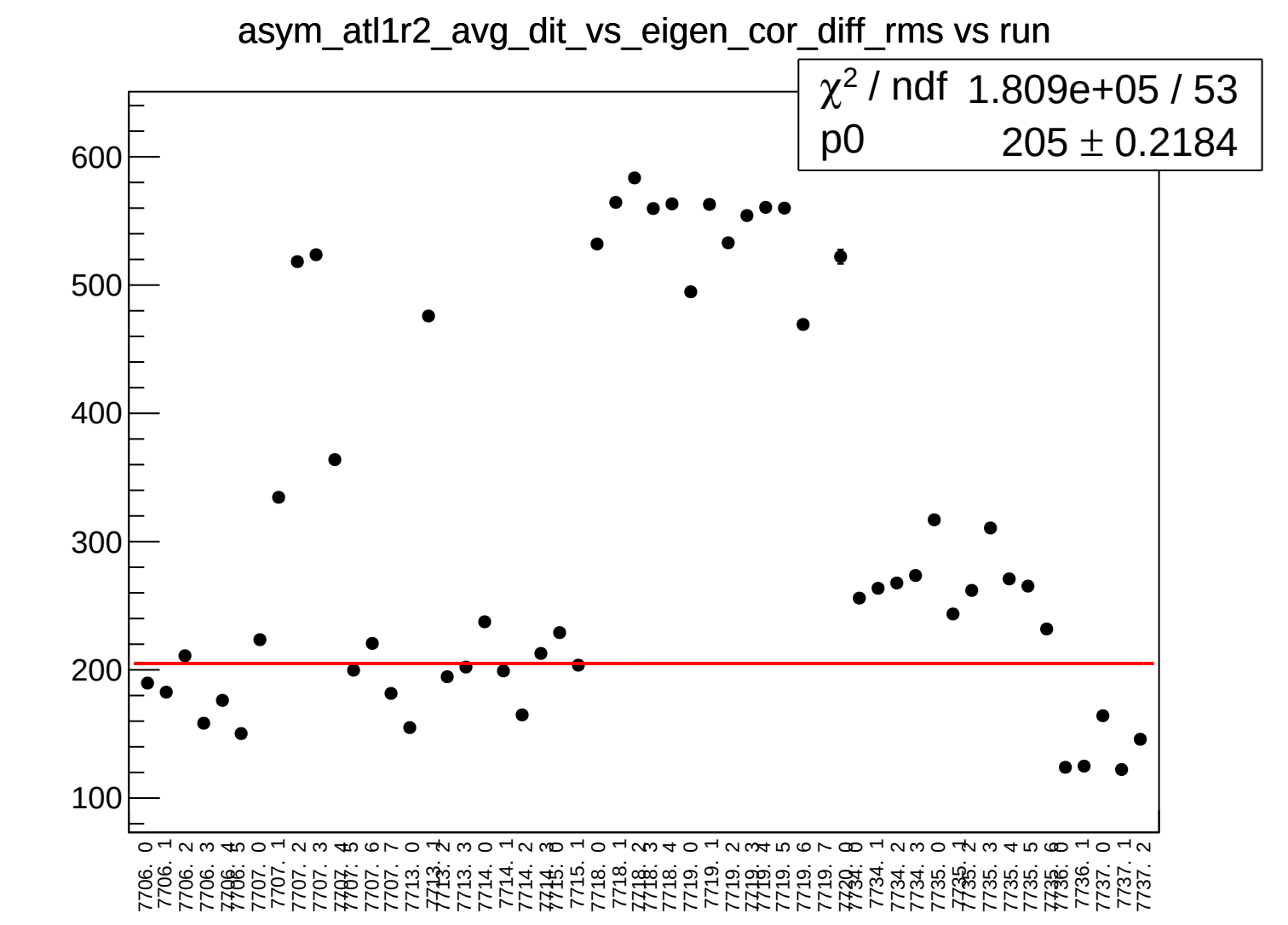

pull1D
Entries 54
Mean 0.03438
Std Dev 1.05

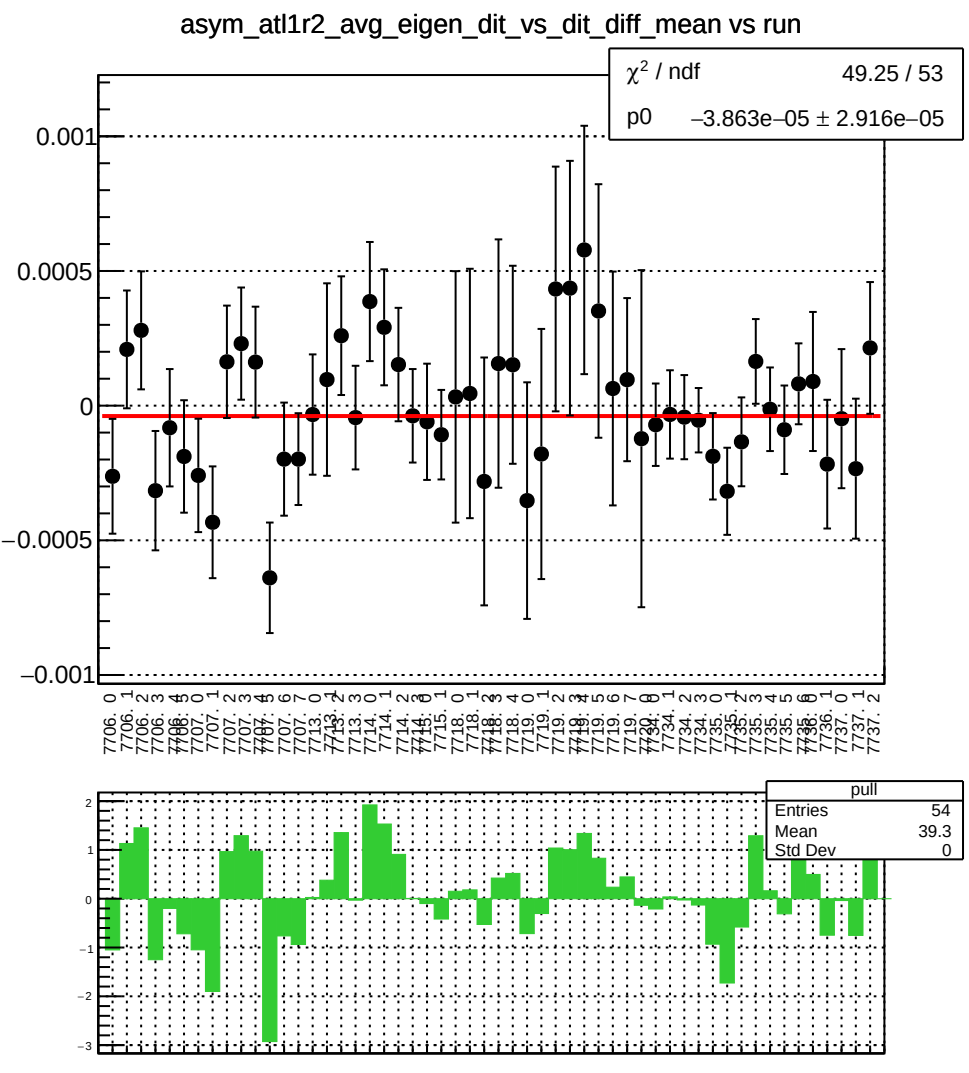

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.895e+05 / 53
p0 1.882e−10 ± 3.607e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

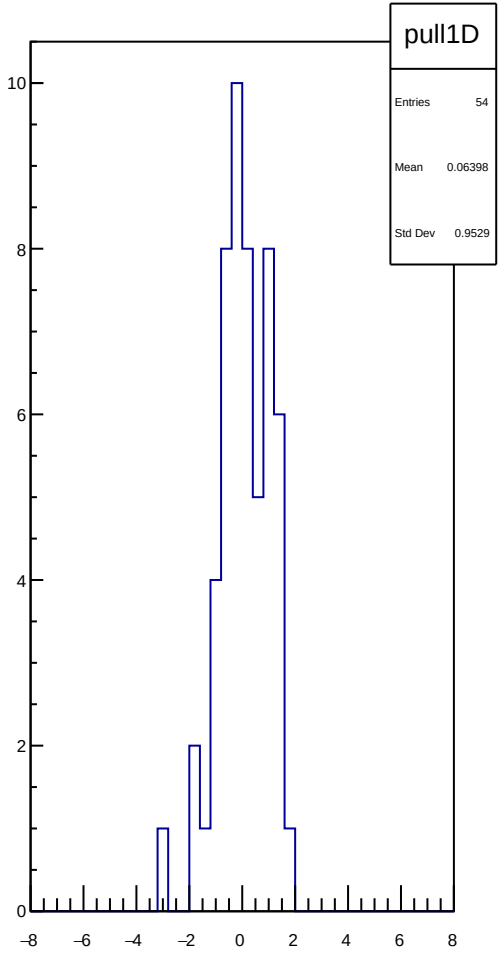

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.07 / 53
p0 0.02481 ± 0.3088
pull
Entries 54
Mean 19.52
Std Dev 0
pull1D
Entries 54
Mean −0.06049
Std Dev 0.9014

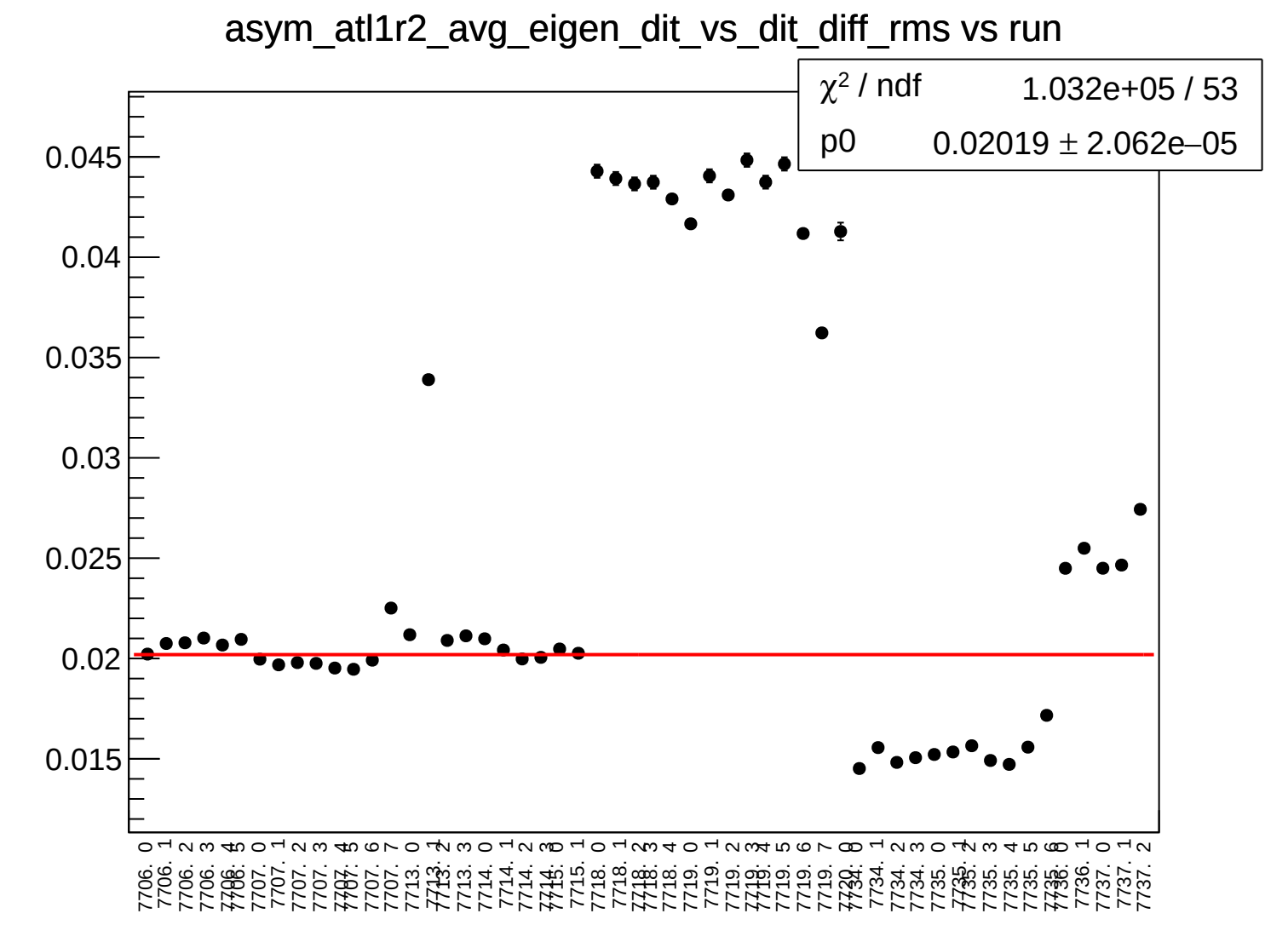

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.809e+05 / 53
p0 205 ± 0.2184
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

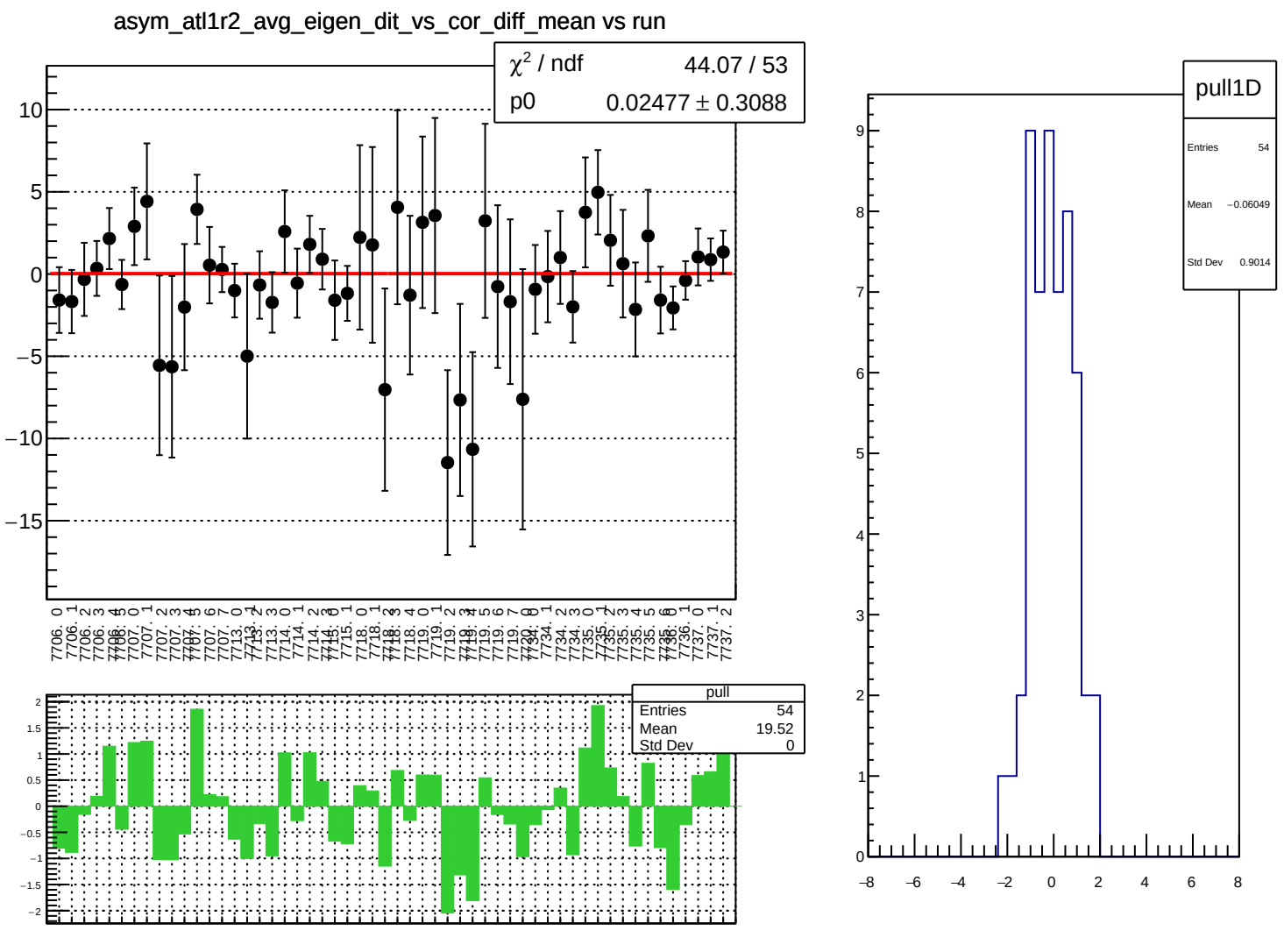

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.07 / 53
p0 0.02481 ± 0.3088
pull
Entries 54
Mean 19.52
Std Dev 0
pull1D
Entries 54
Mean −0.06049
Std Dev 0.9014

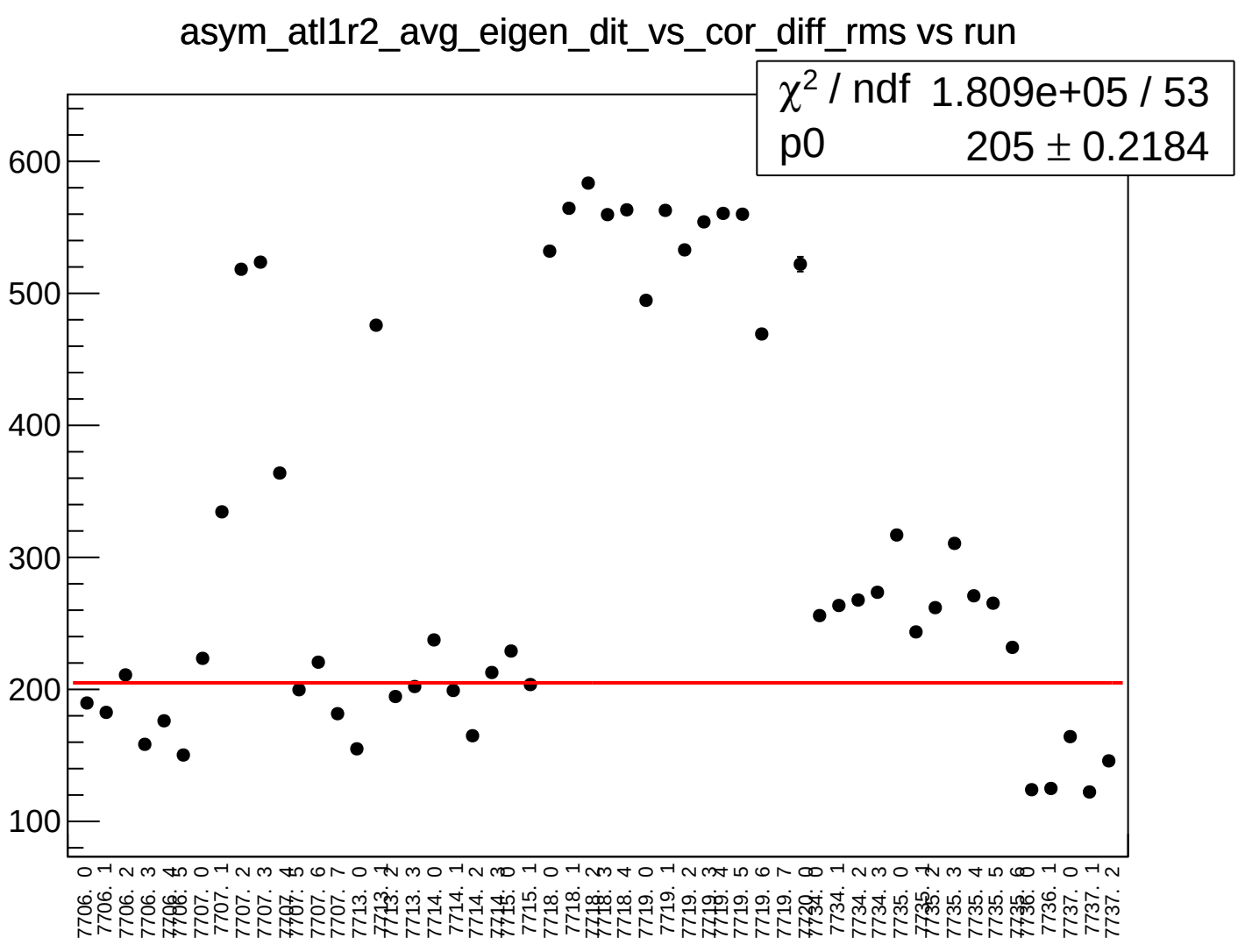

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.809e+05 / 53
p0 205 ± 0.2184
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

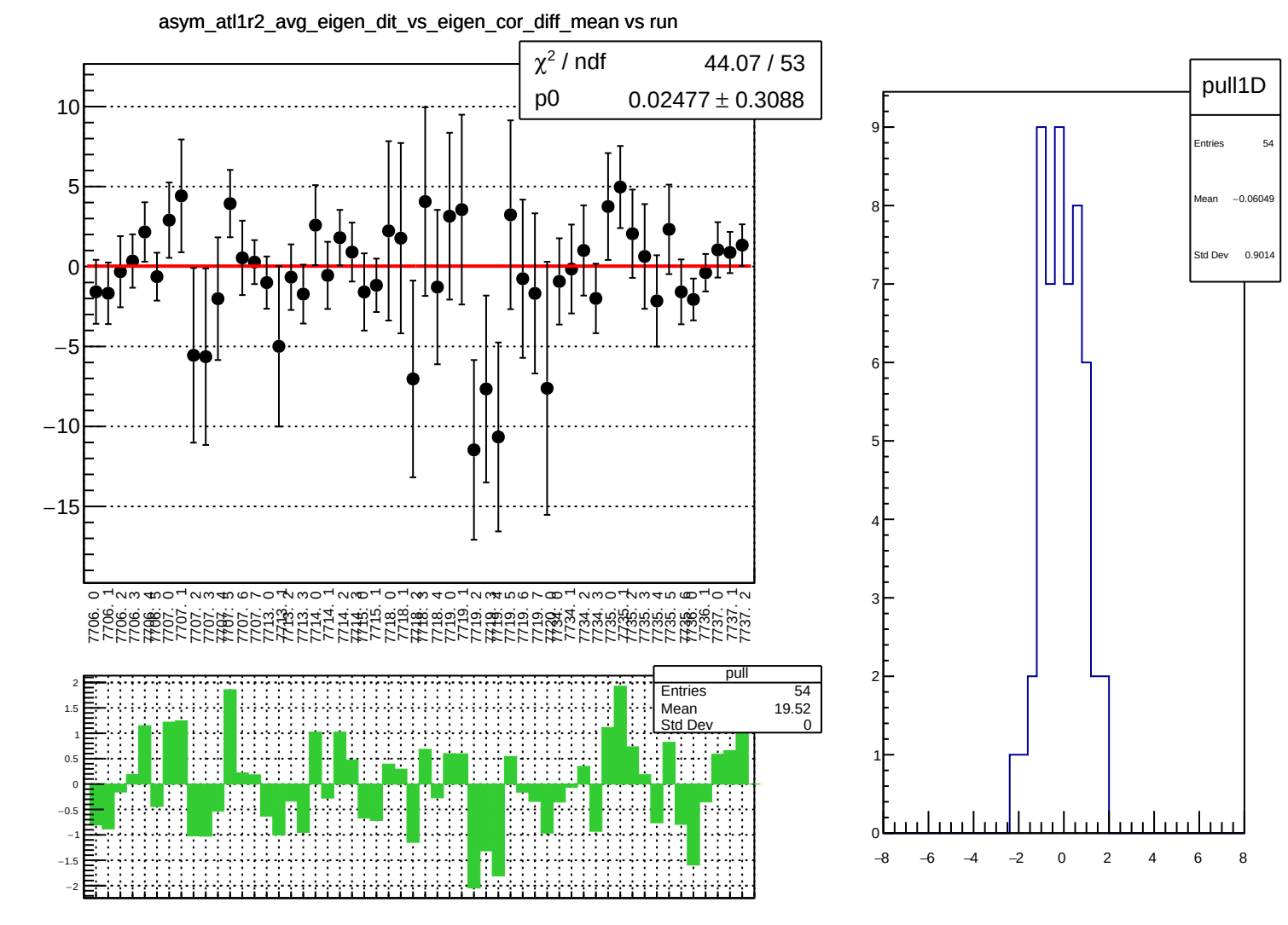

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.25 / 53
p0 −3.863e−05 ± 2.916e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 39.3
Std Dev 0

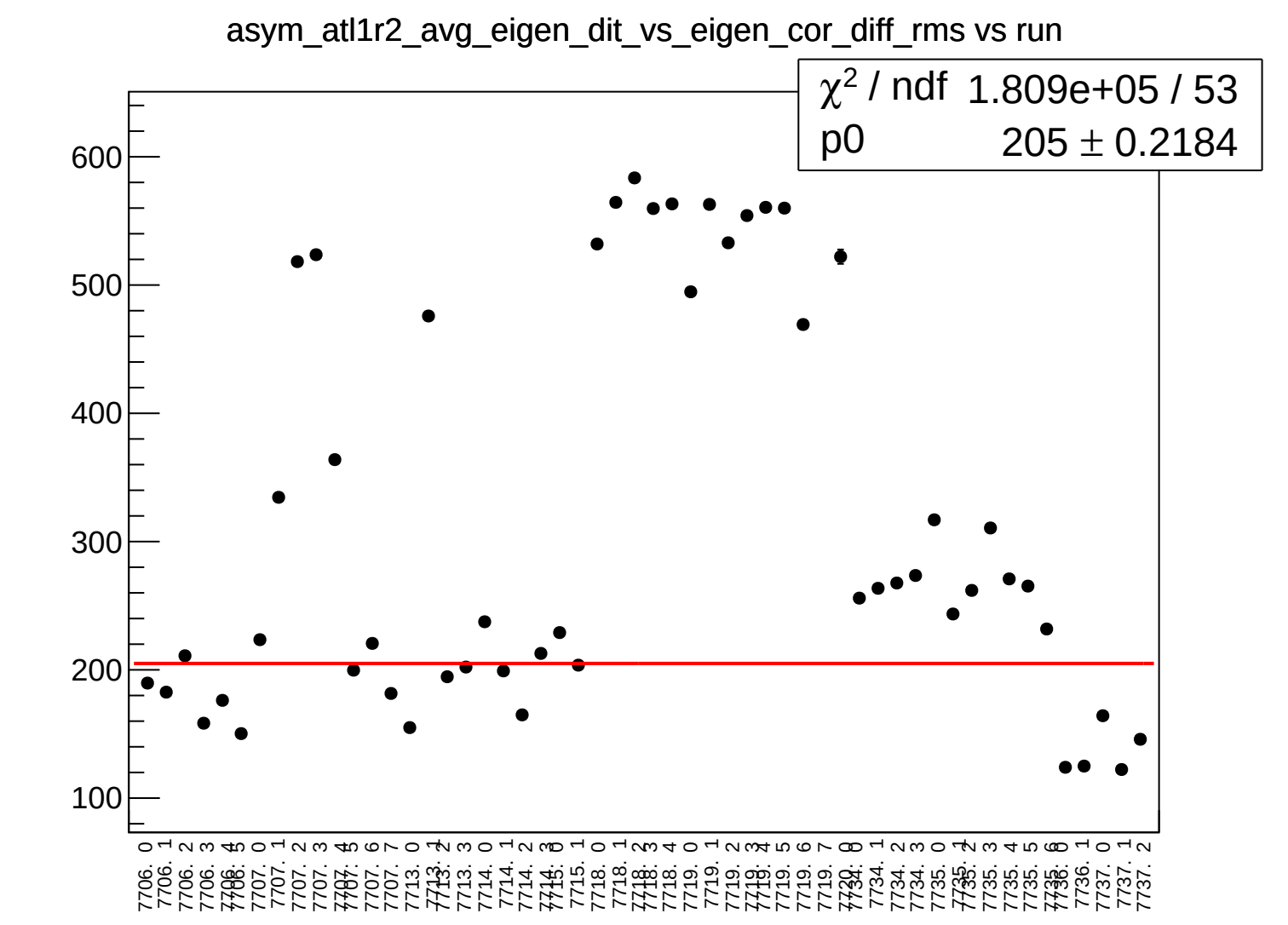

pull1D
Entries 54
Mean 0.06398
Std Dev 0.9529

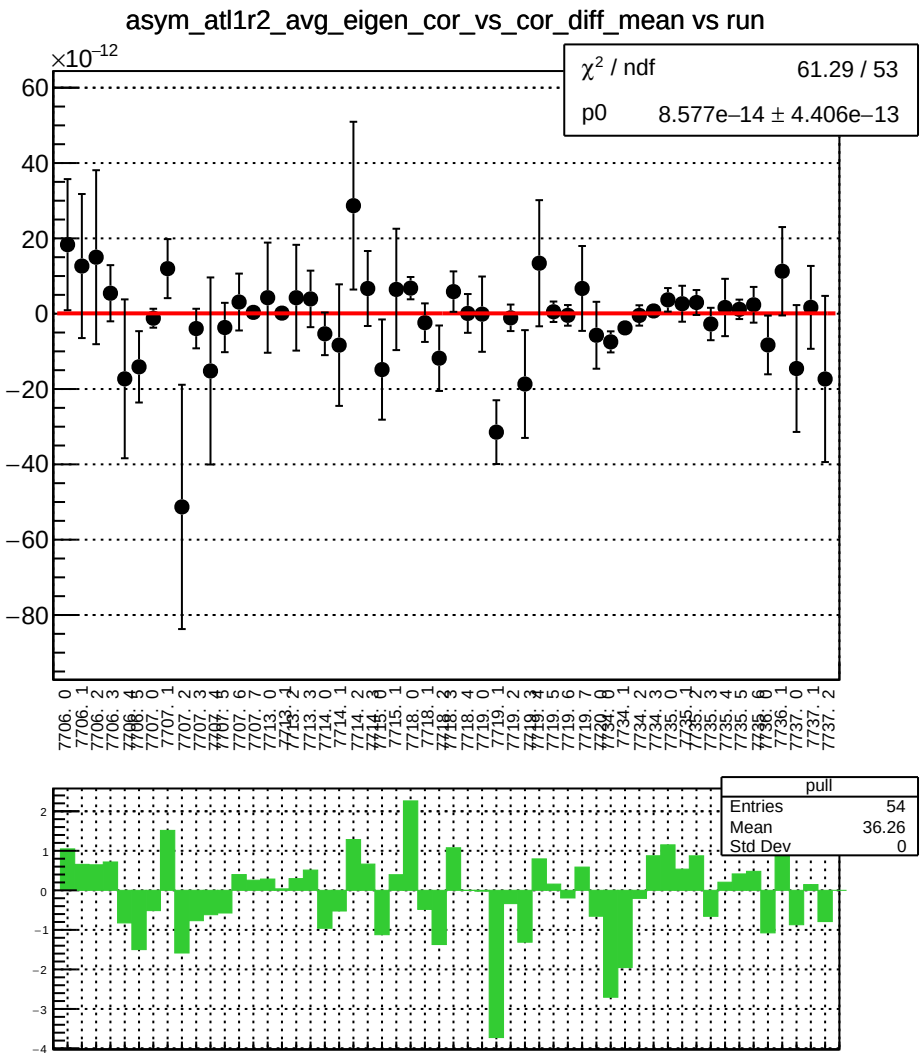

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 0.02019 ± 2.062e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

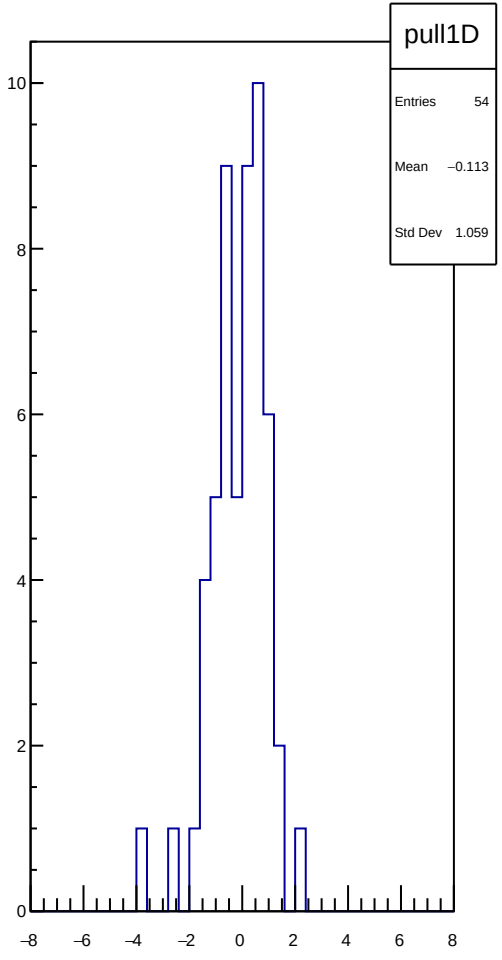

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.07 / 53
p0 0.02477 ± 0.3088
pull
Entries 54
Mean 19.52
Std Dev 0
pull1D
Entries 54
Mean −0.06049
Std Dev 0.9014

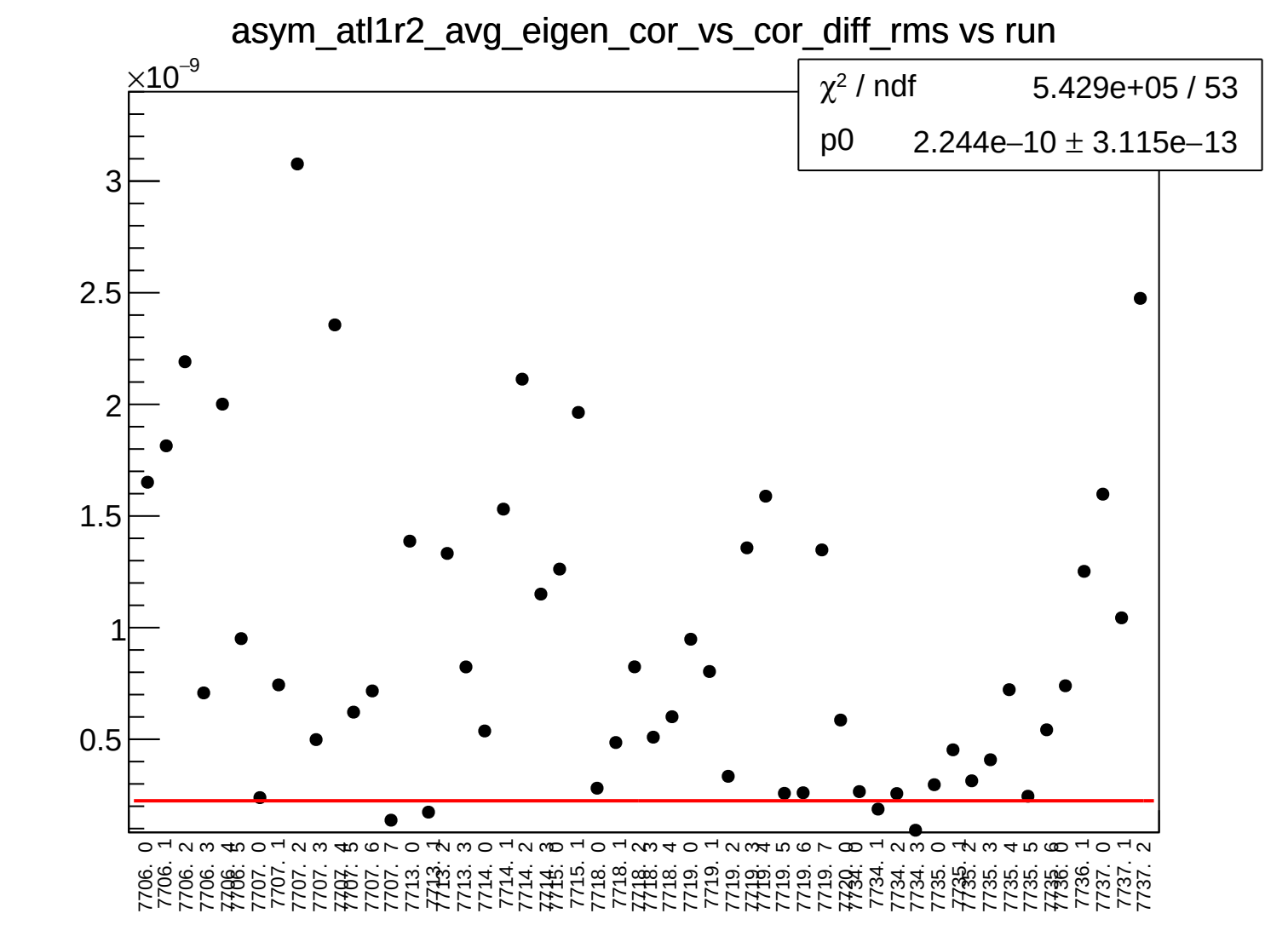

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.809e+05 / 53
p0 205 ± 0.2184
600
500
400
300
200
100

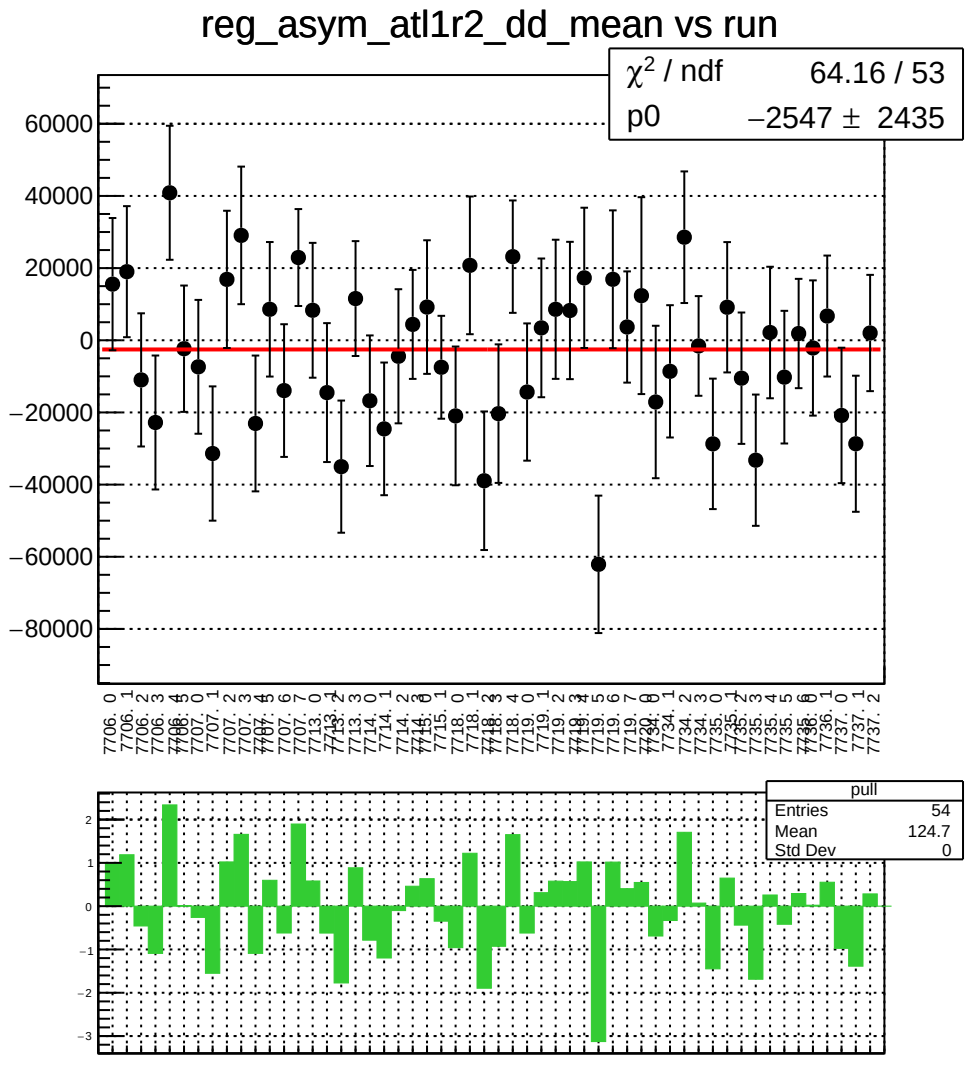

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.07 / 53
p0 0.02477 ± 0.3088
pull
Entries 54
Mean 19.52
Std Dev 0
pull1D
Entries 54
Mean −0.06049
Std Dev 0.9014

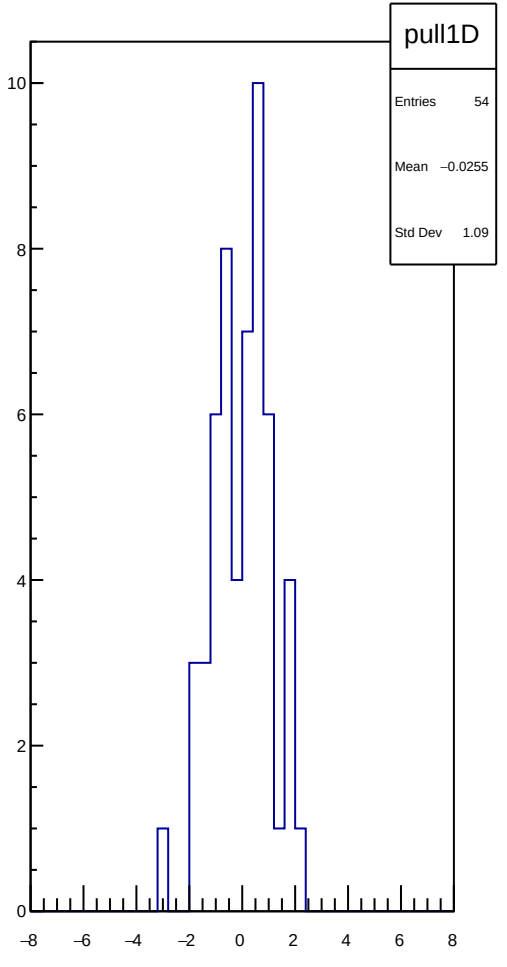

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.809e+05 / 53
p0 205 ± 0.2184
600
500
400
300
200
100

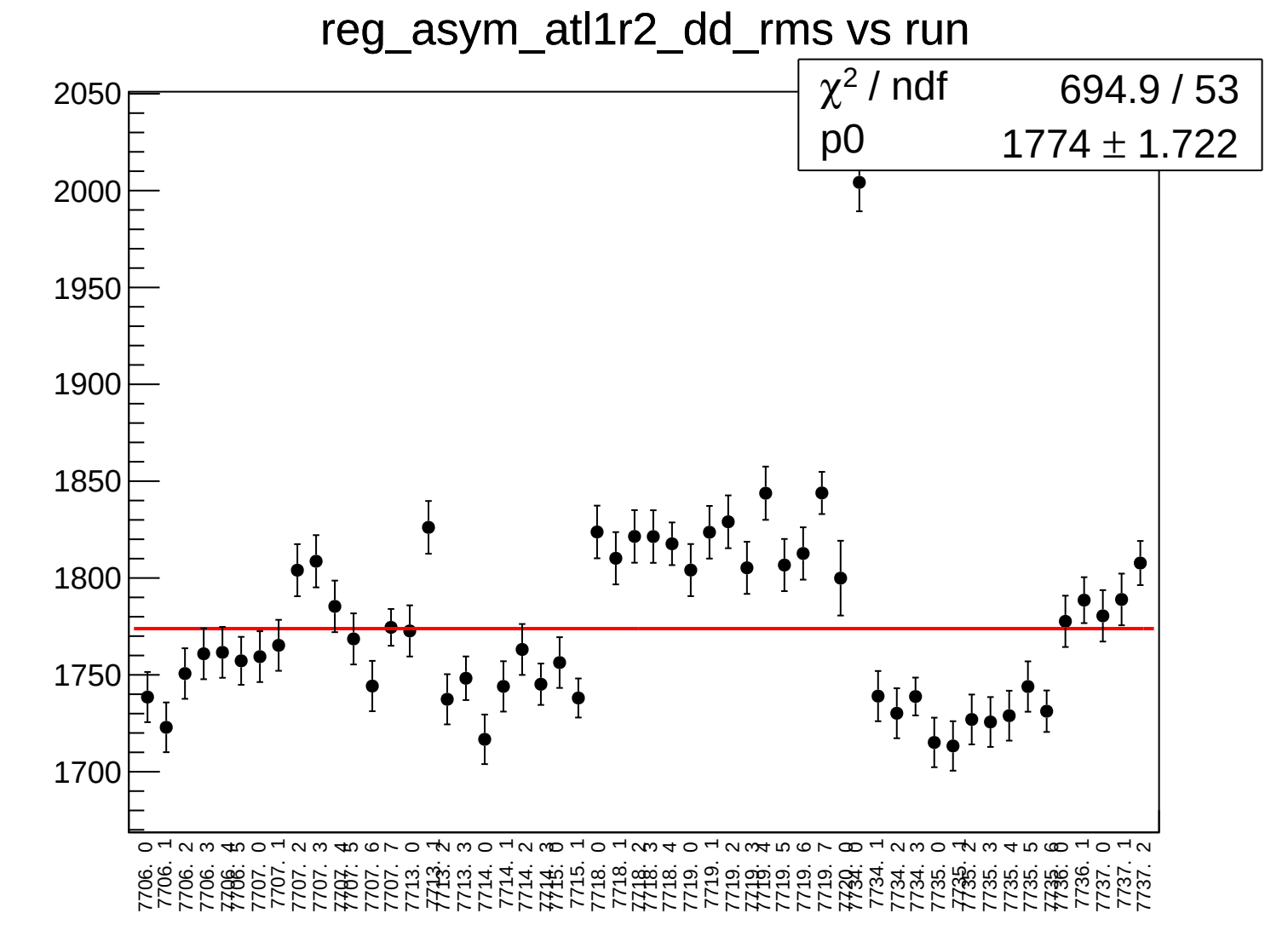

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.29 / 53
p0 8.577e−14 ± 4.406e−13
pull
Entries 54
Mean 36.26
Std Dev 0

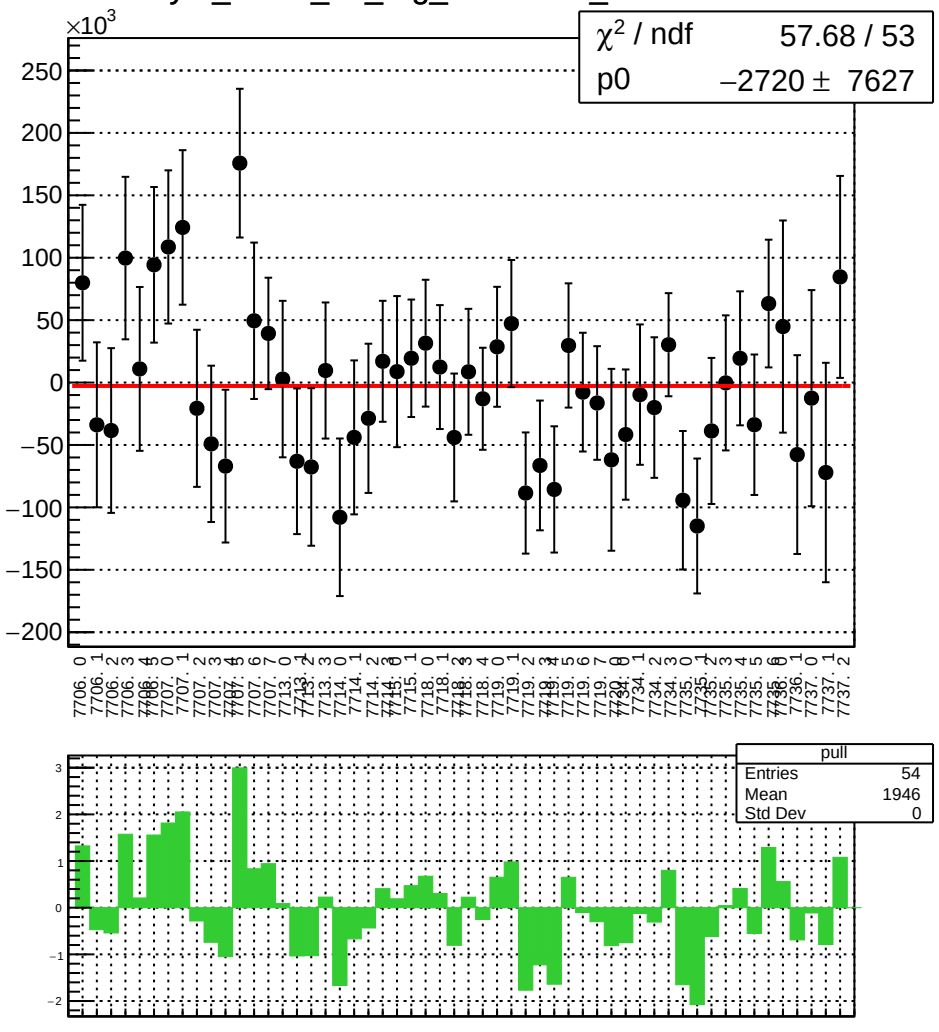

pull1D
Entries 54
Mean −0.113
Std Dev 1.059

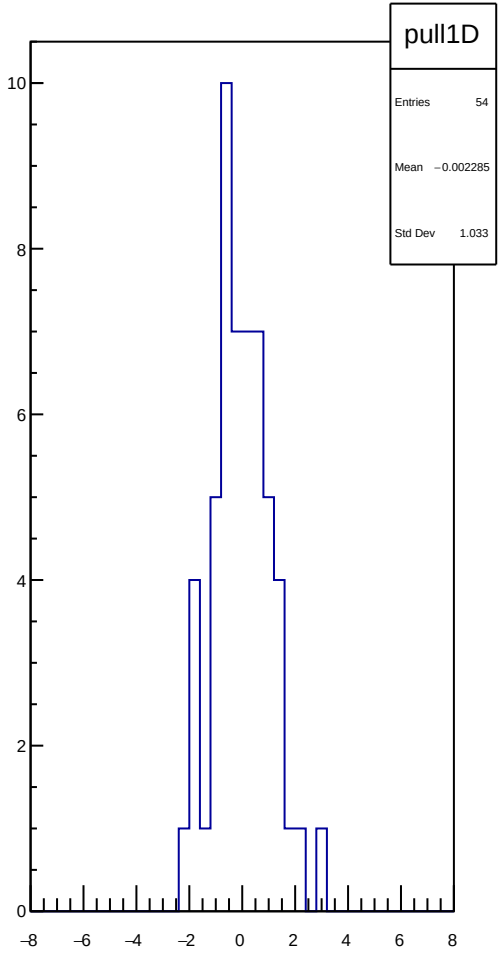

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.429e+05 / 53
p0 2.244e−10 ± 3.115e−13
3
2.5
2
1.5
1
0.5

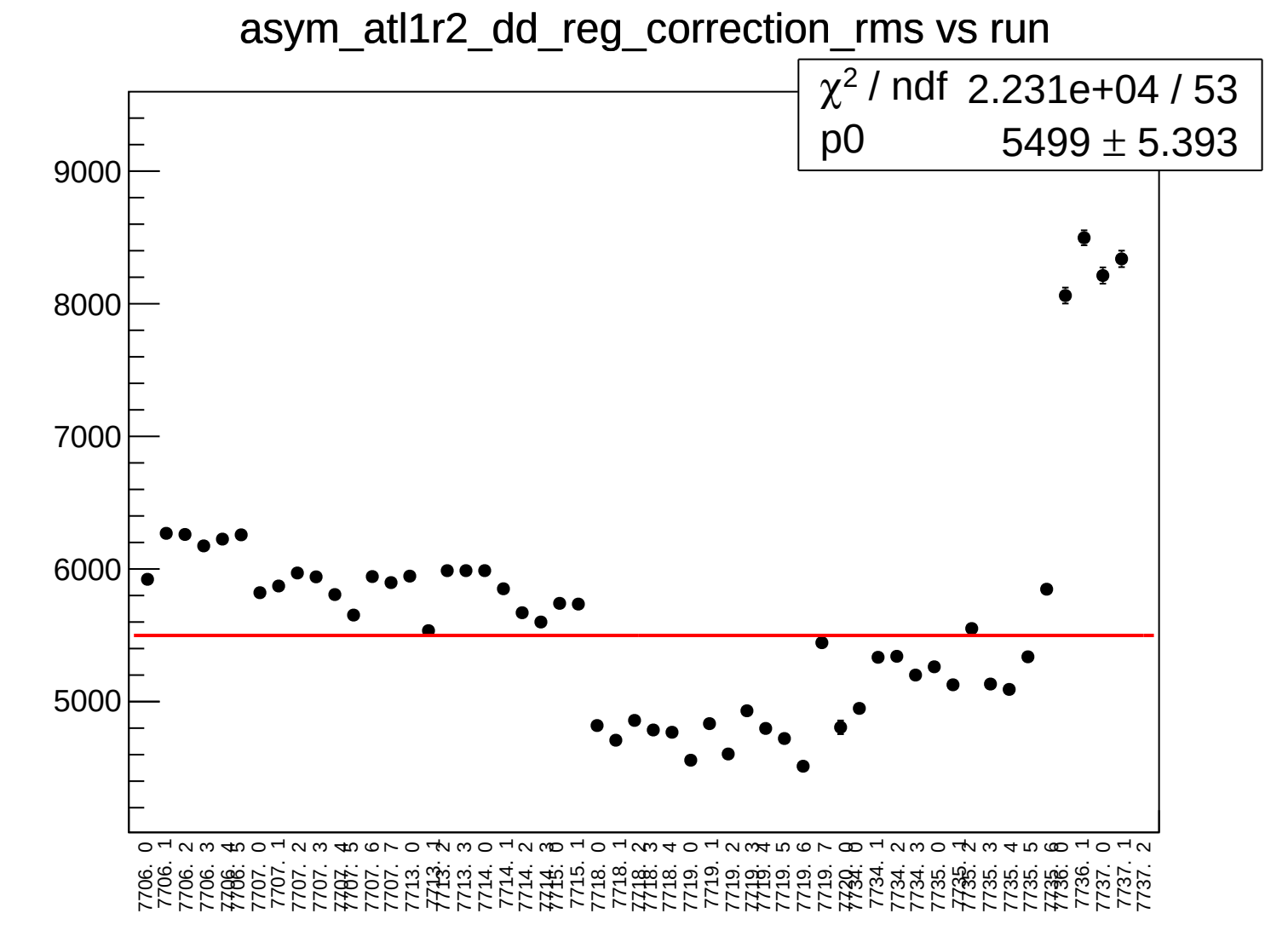

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 64.16 / 53
p0 −2547 ± 2435
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 124.7
Std Dev 0
2
1
0
−1
−2
−3

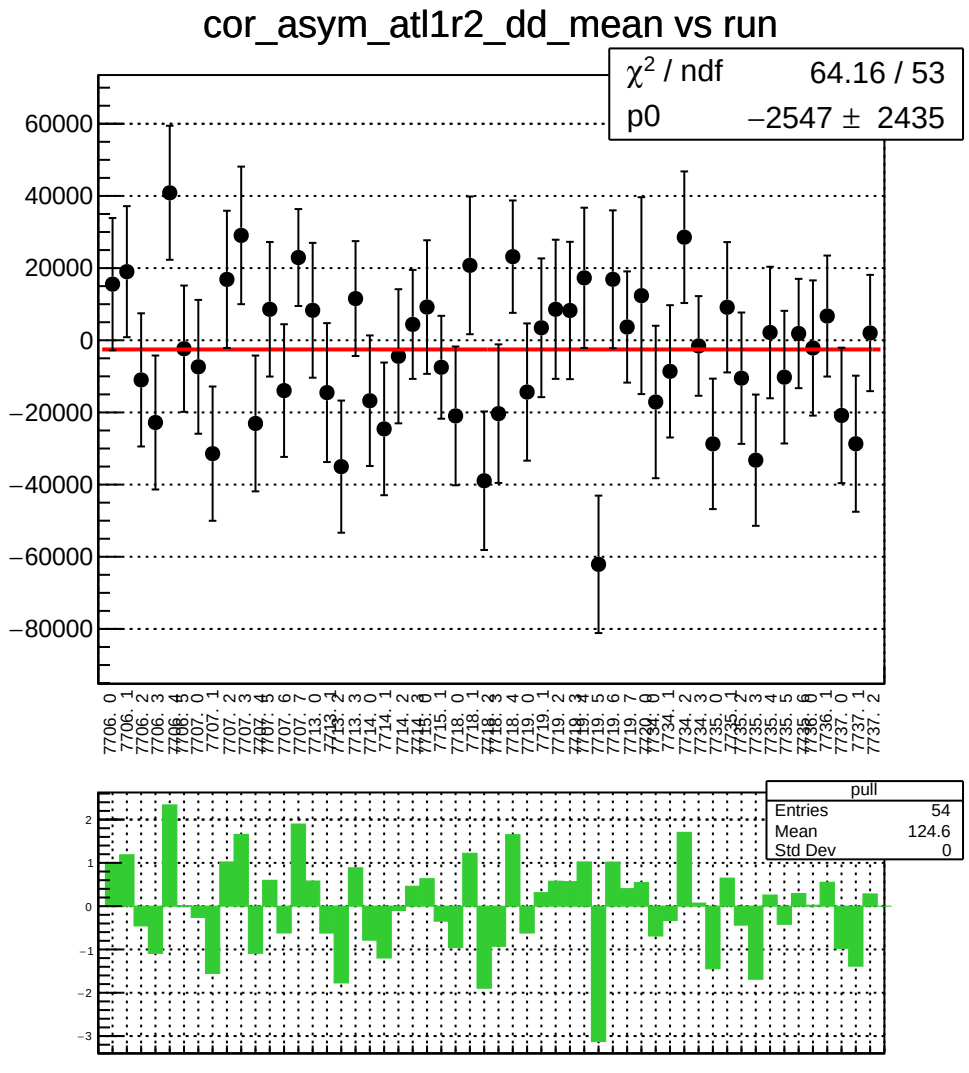

pull1D
Entries 54
Mean −0.0255
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

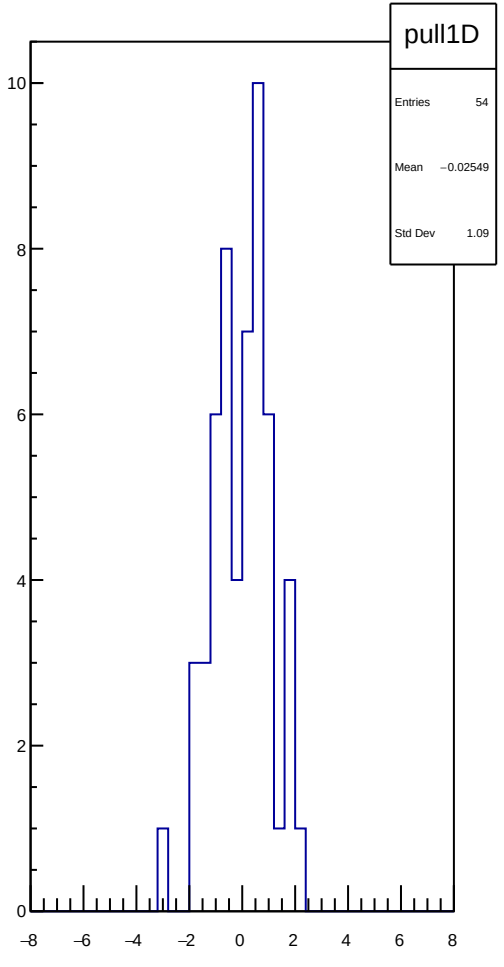

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 694.9 / 53
p0 1774 ± 1.722
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

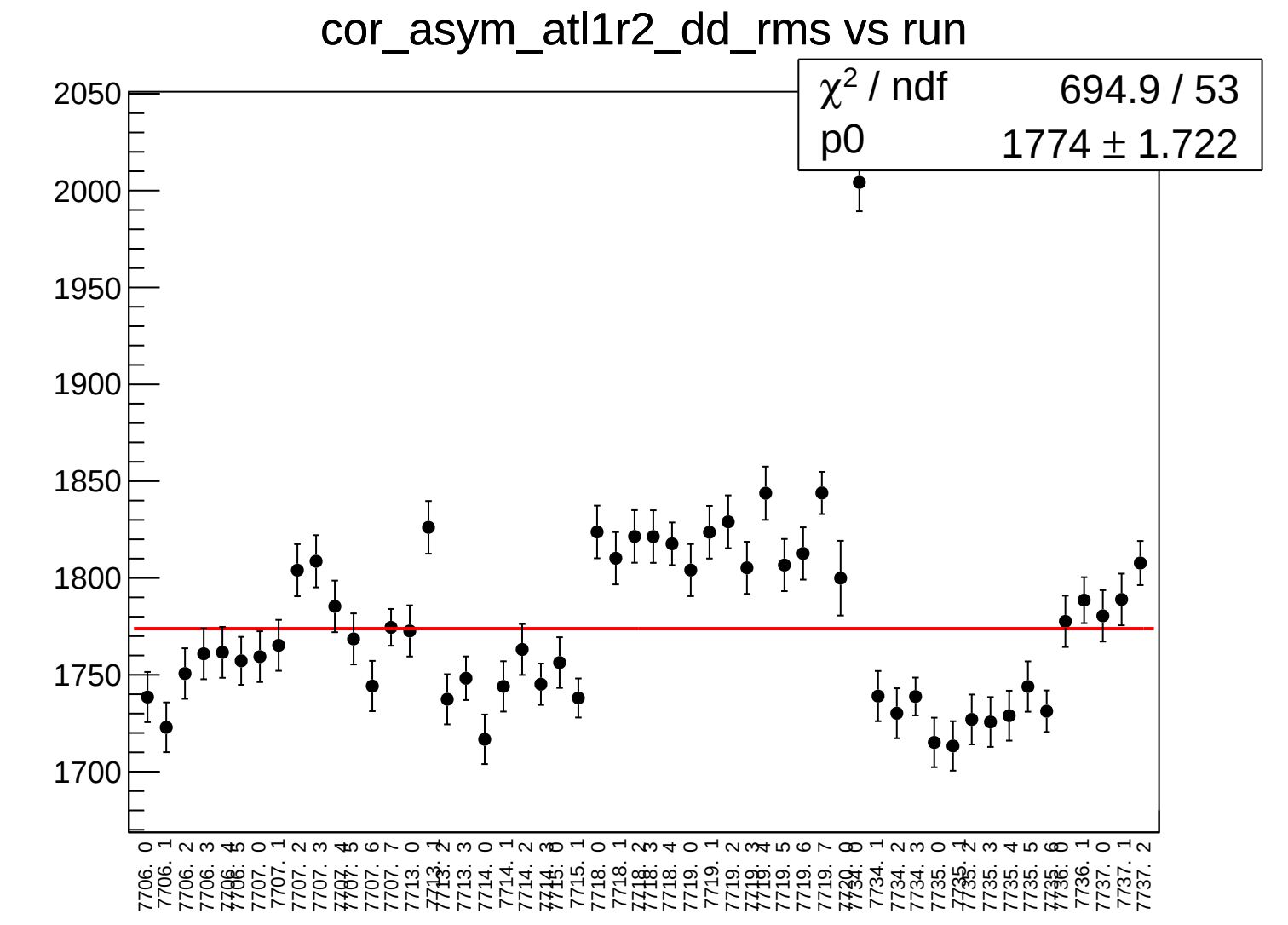

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 57.68 / 53
p0 −2720 ± 7627
pull
Entries 54
Mean 1946
Std Dev 0

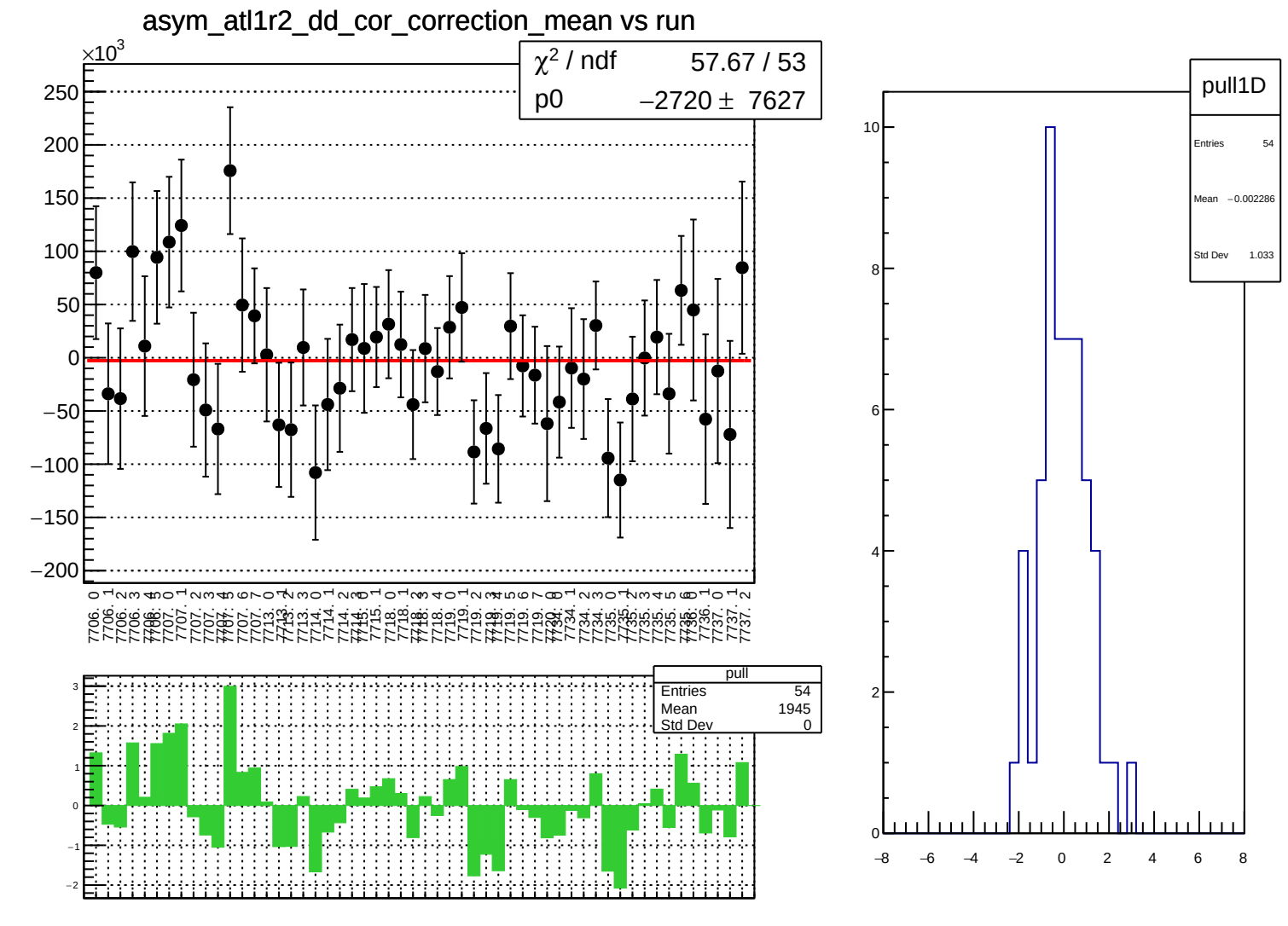

pull1D
Entries 54
Mean −0.002285
Std Dev 1.033

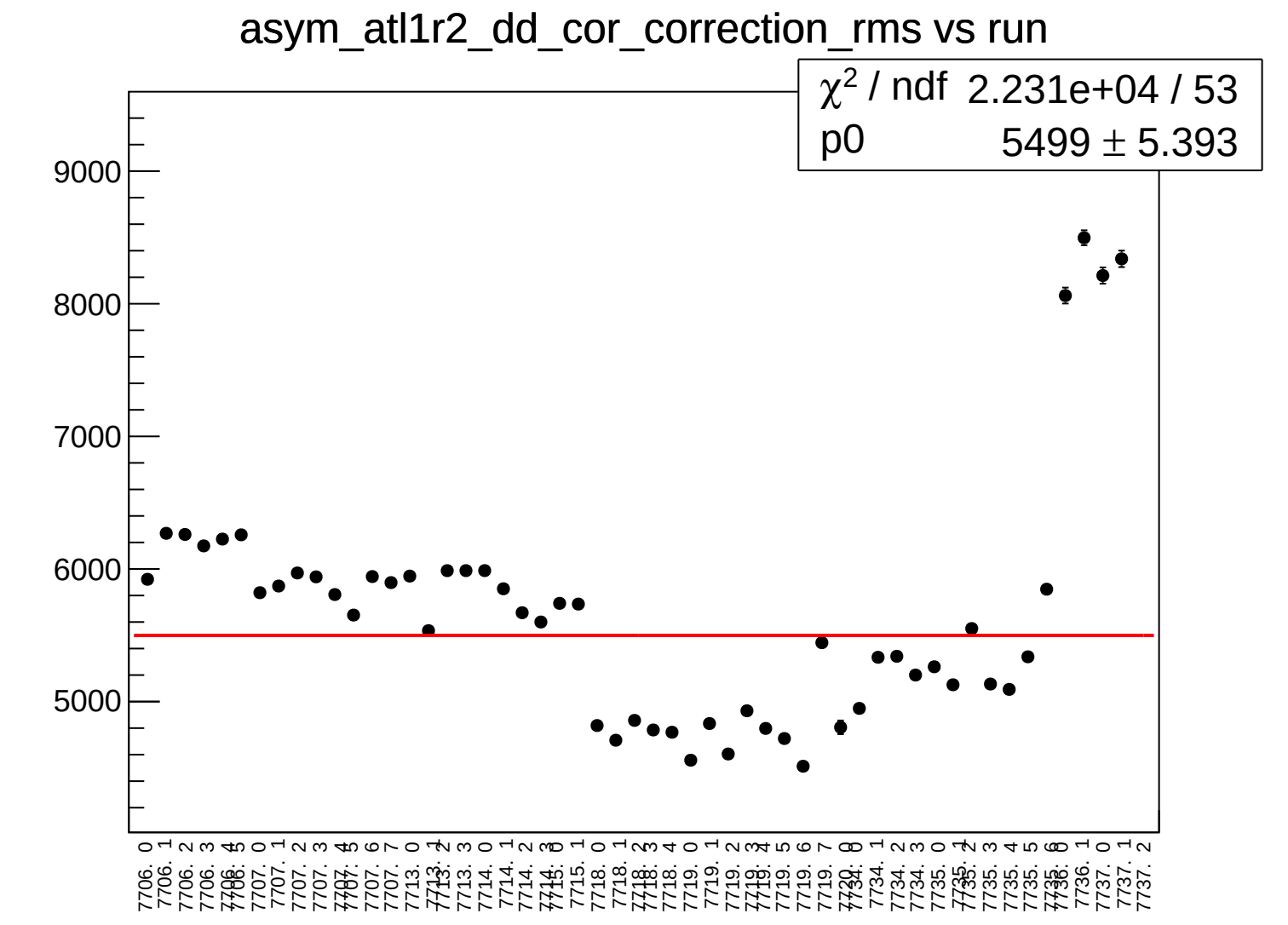

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2.231e+04 / 53
p0 5499 ± 5.393
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

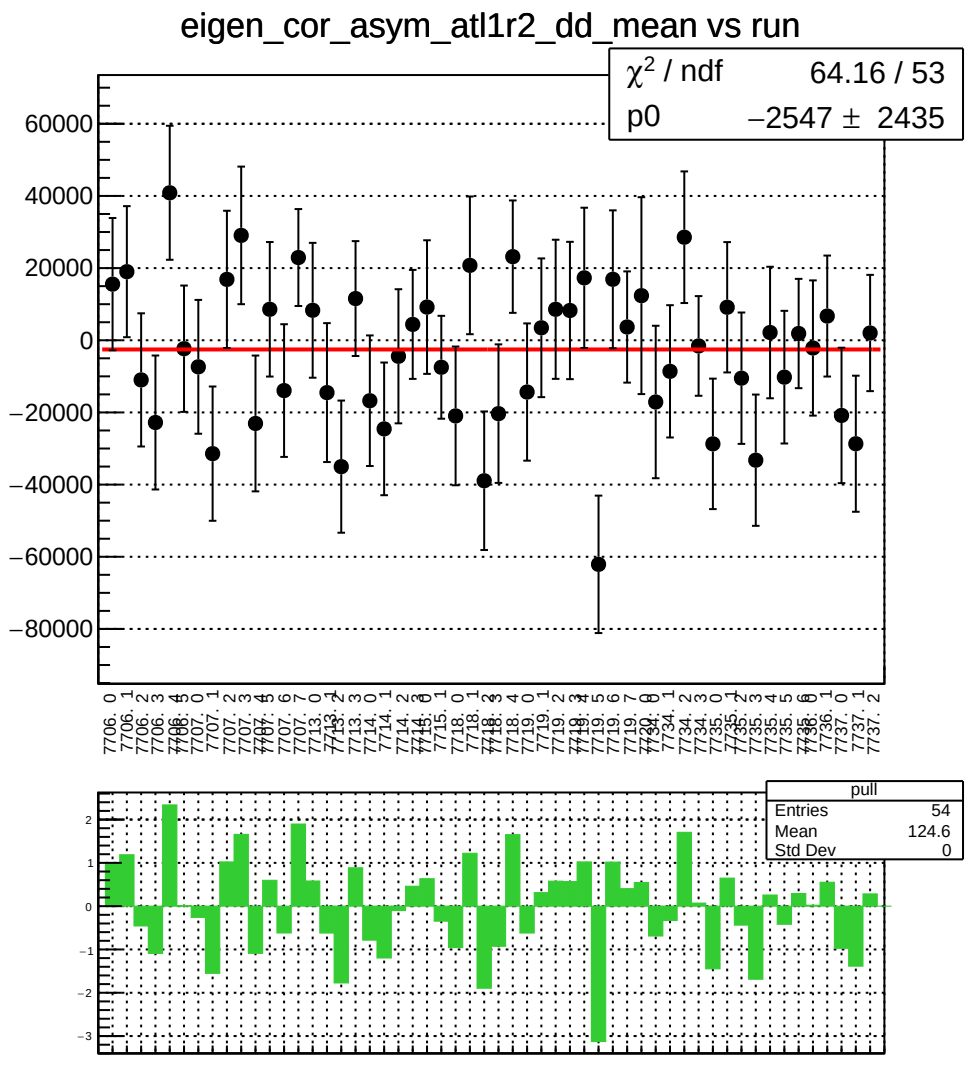

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.16 / 53
p0 −2547 ± 2435
pull
Entries 54
Mean 124.6
Std Dev 0

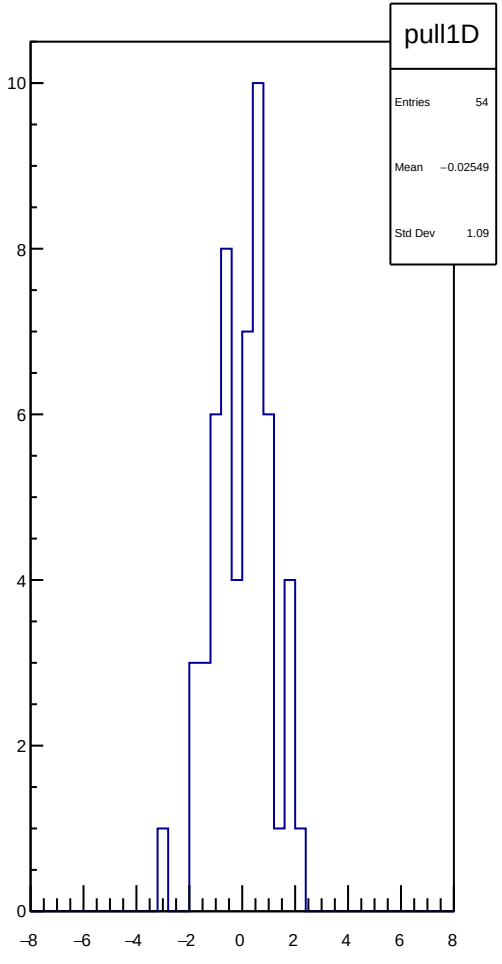

pull1D
Entries 54
Mean −0.02549
Std Dev 1.09

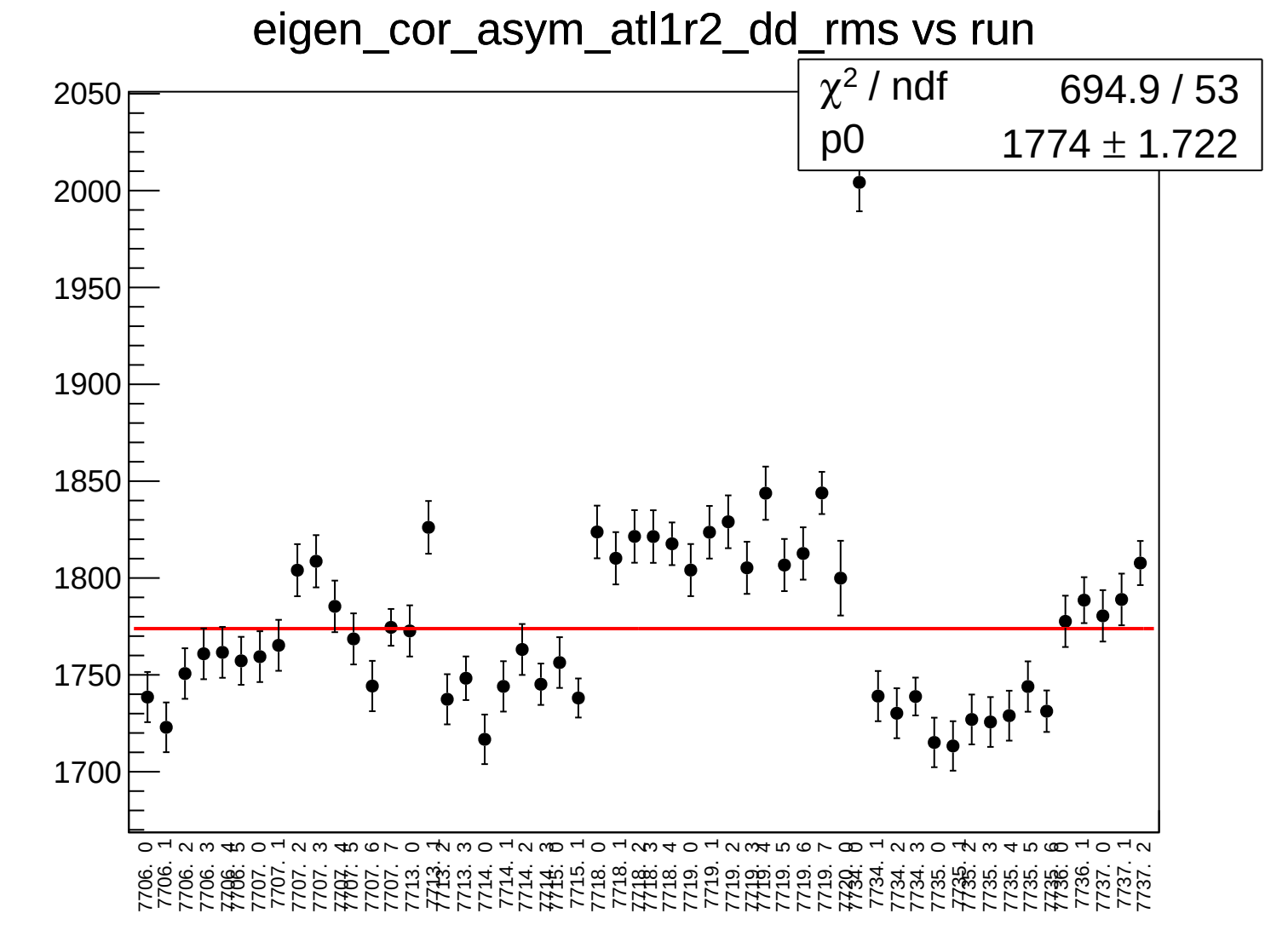

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 694.9 / 53
p0 1774 ± 1.722
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

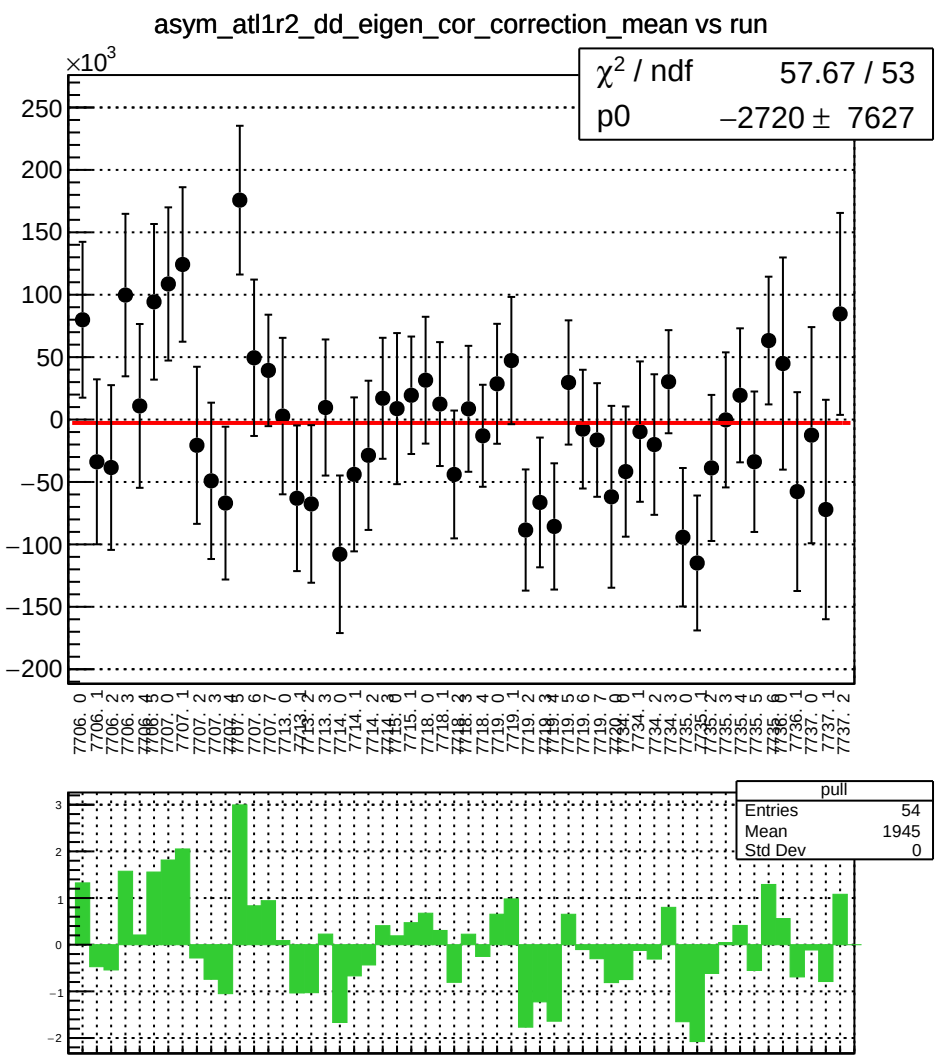

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 57.67 / 53
p0 −2720 ± 7627
pull
Entries 54
Mean 1945
Std Dev 0
pull1D
Entries 54
Mean −0.002286
Std Dev 1.033

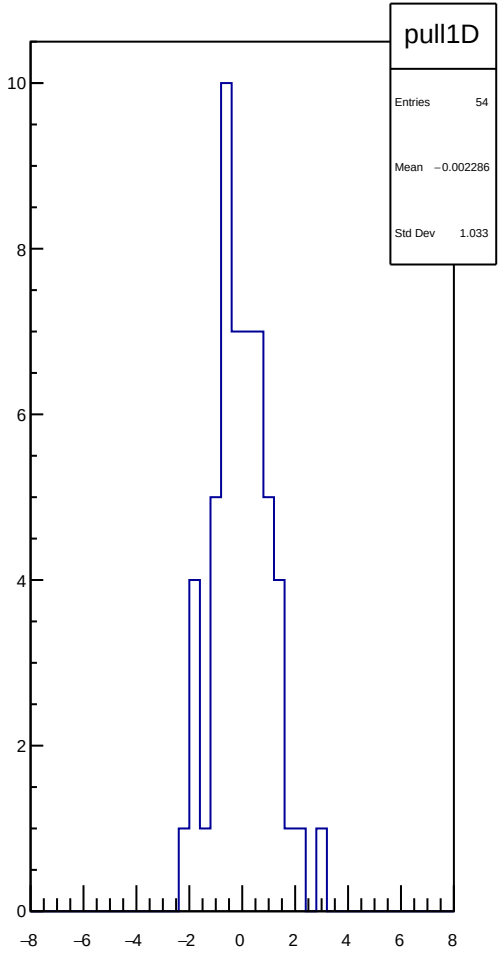

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2.231e+04 / 53
p0 5499 ± 5.393
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

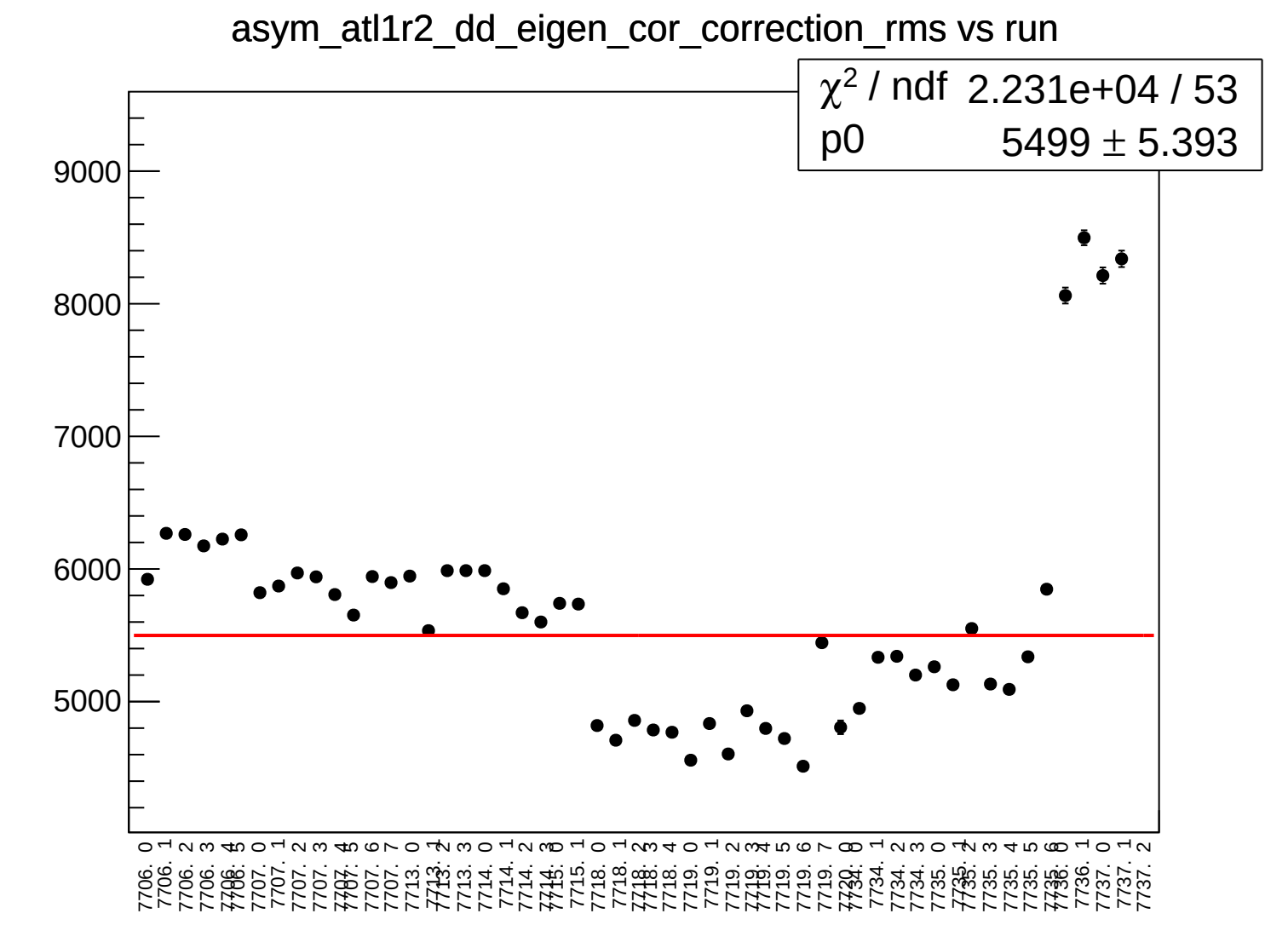

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.16 / 53
p0 −2547 ± 2435
pull
Entries 54
Mean 124.6
Std Dev 0

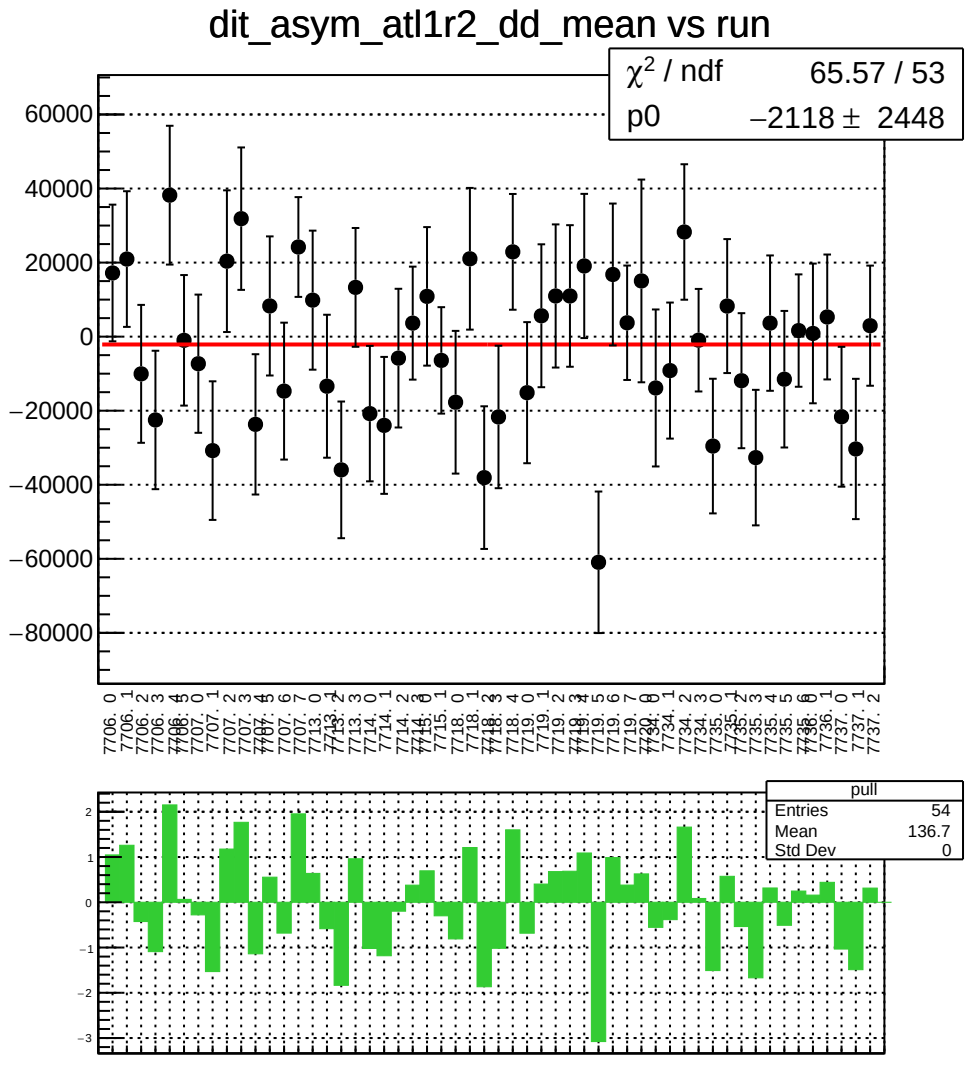

pull1D
Entries 54
Mean −0.02549
Std Dev 1.09

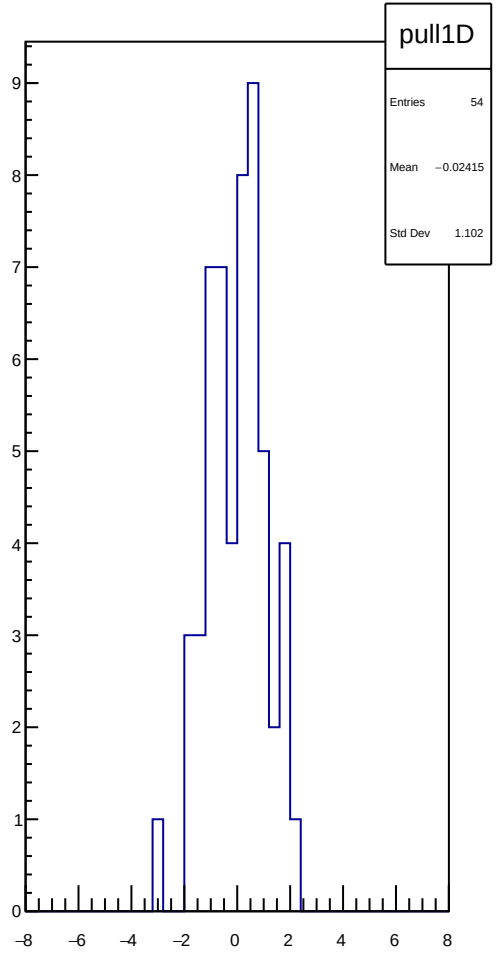

eigen_cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 694.9 / 53
p0 1774 ± 1.722
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

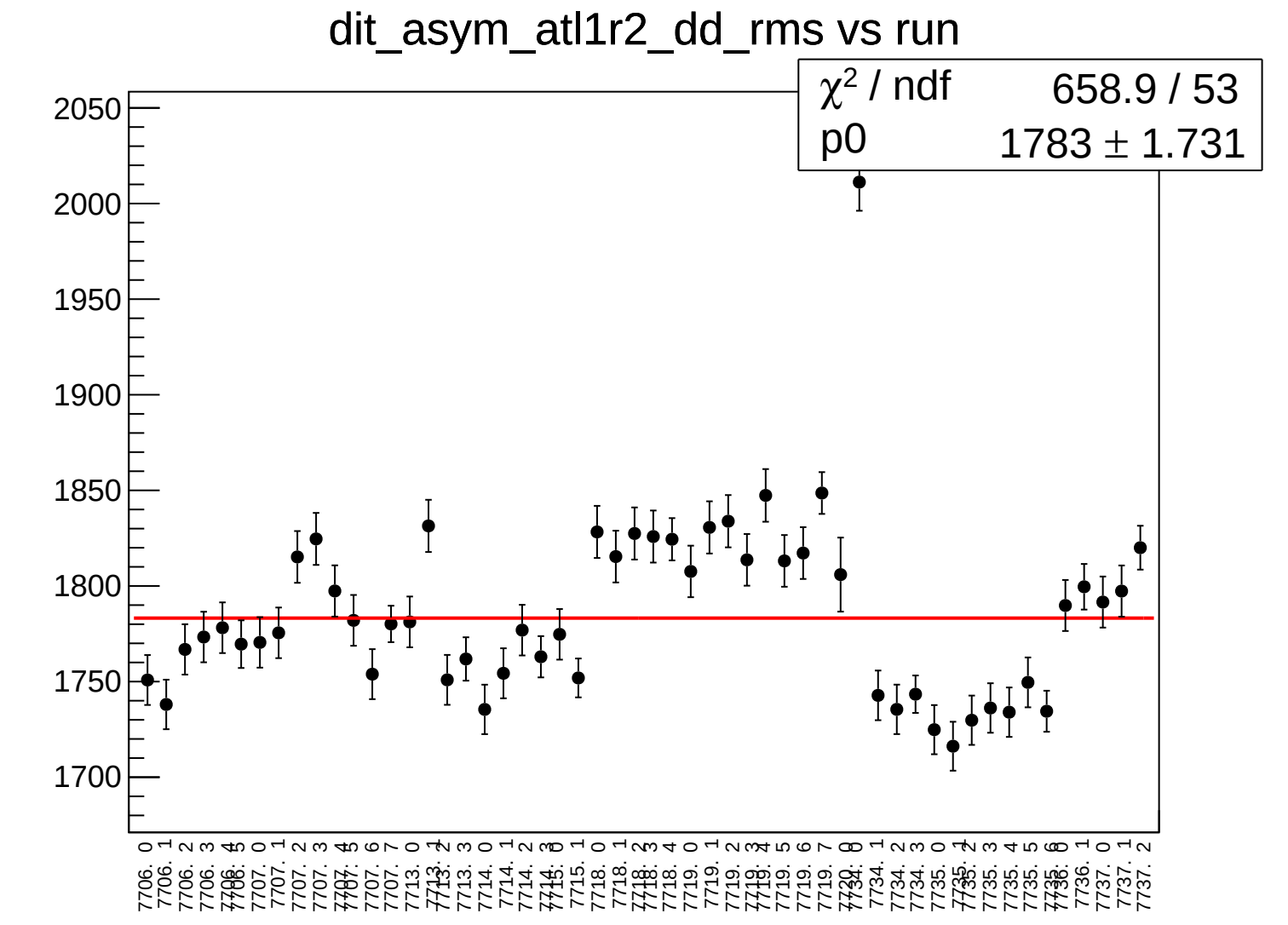

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.67 / 53
p0 −2720 ± 7627
pull
Entries 54
Mean 1945
Std Dev 0

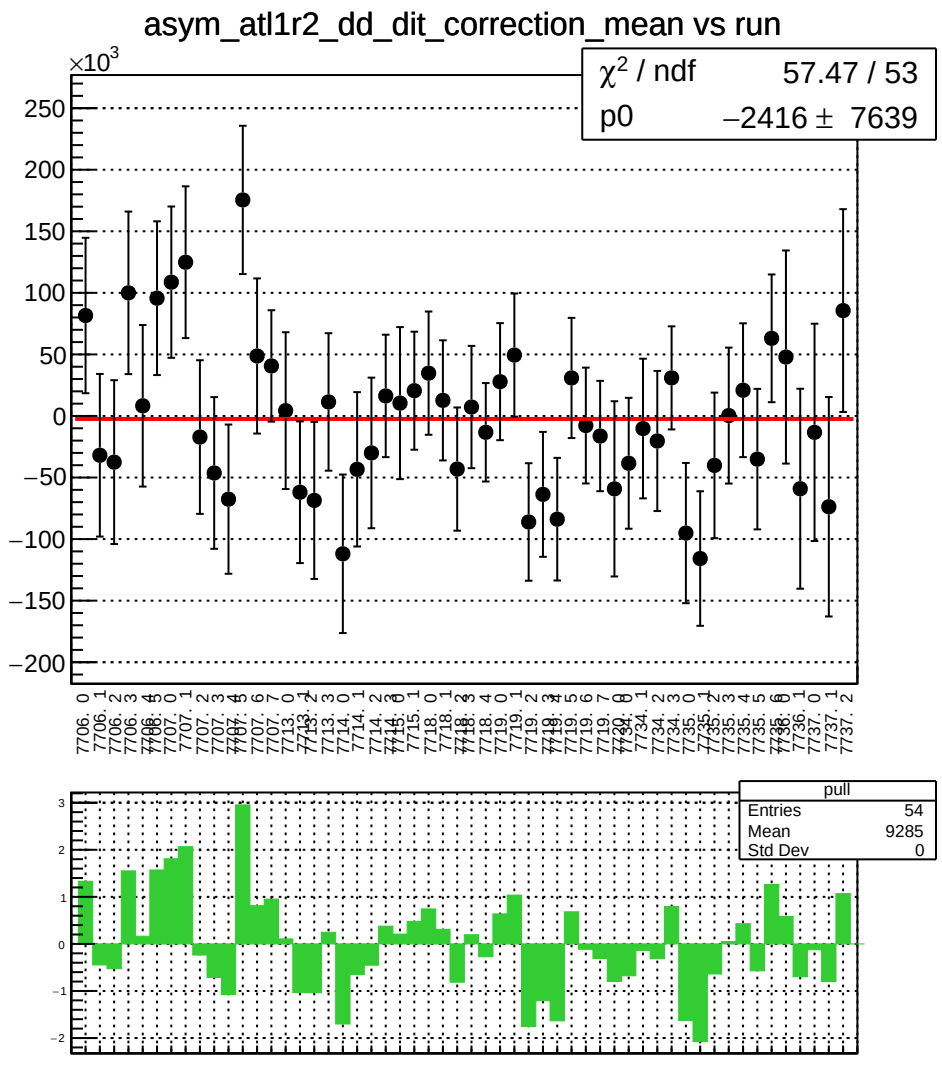

pull1D
Entries 54
Mean −0.002286
Std Dev 1.033

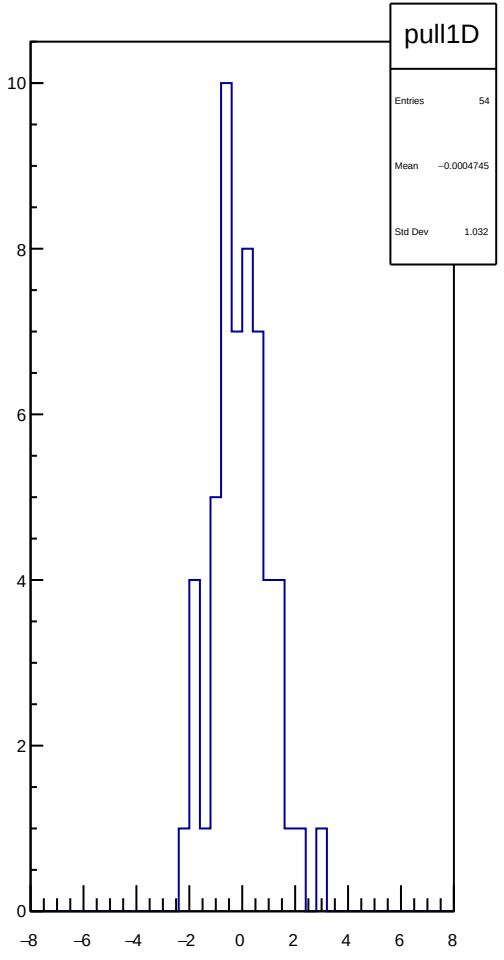

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.231e+04 / 53
p0 5499 ± 5.393
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

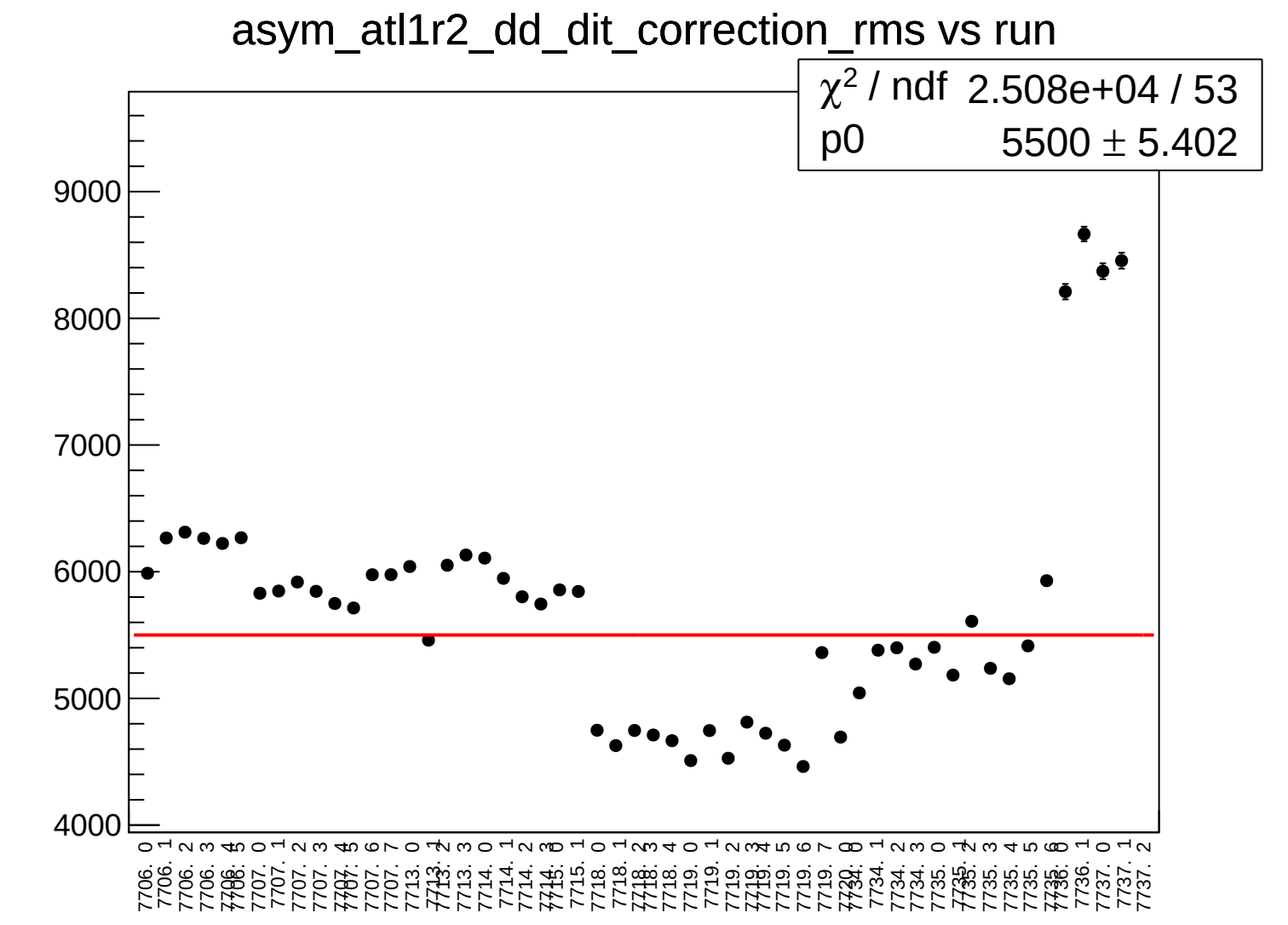

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 65.57 / 53
p0 −2118 ± 2448
pull
Entries 54
Mean 136.7
Std Dev 0

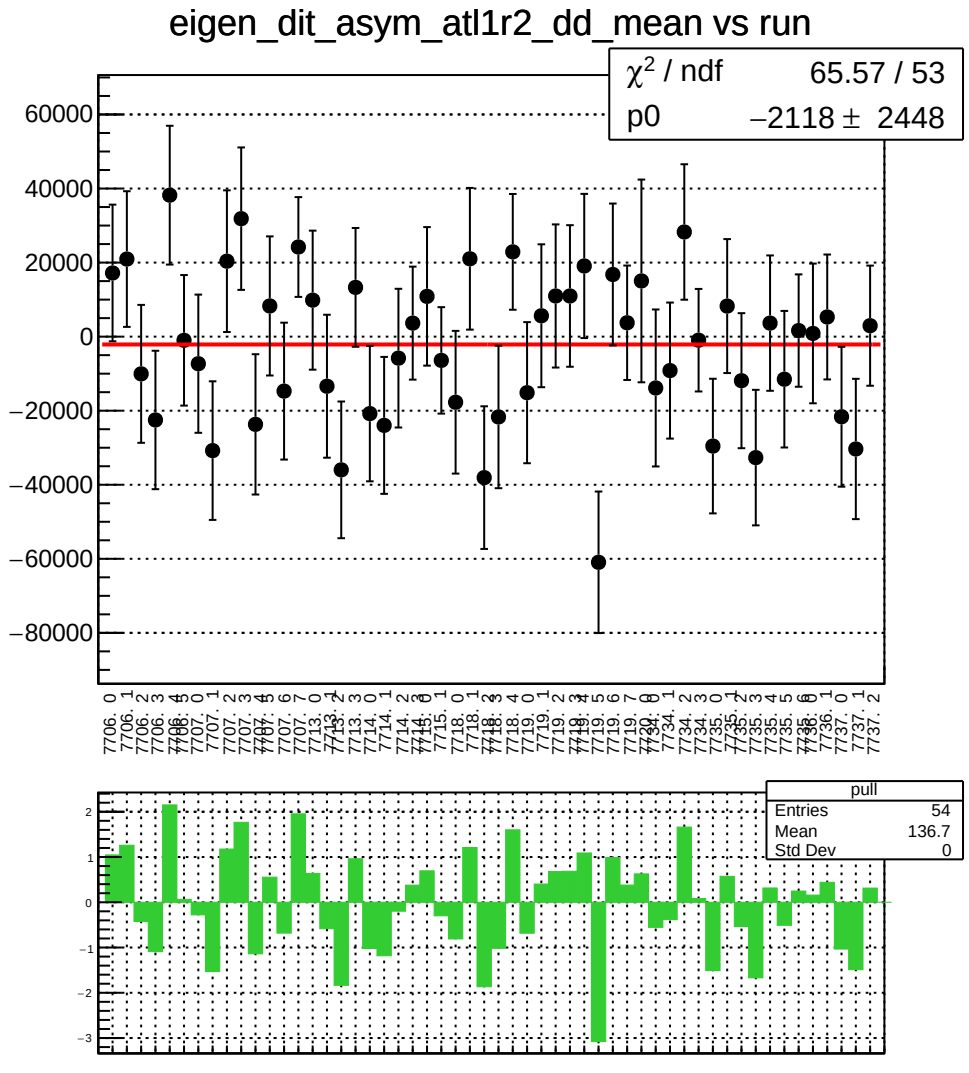

pull1D
Entries 54
Mean −0.02415
Std Dev 1.102

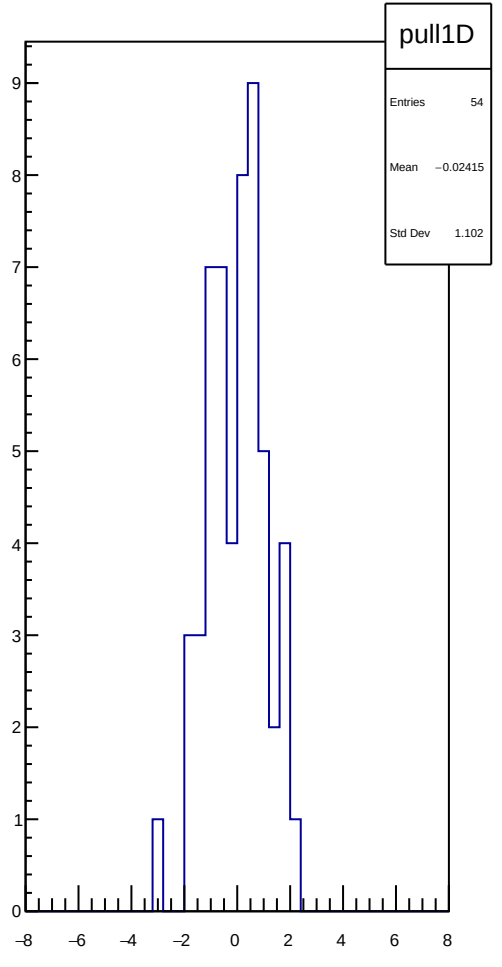

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 658.9 / 53
p0 1783 ± 1.731
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

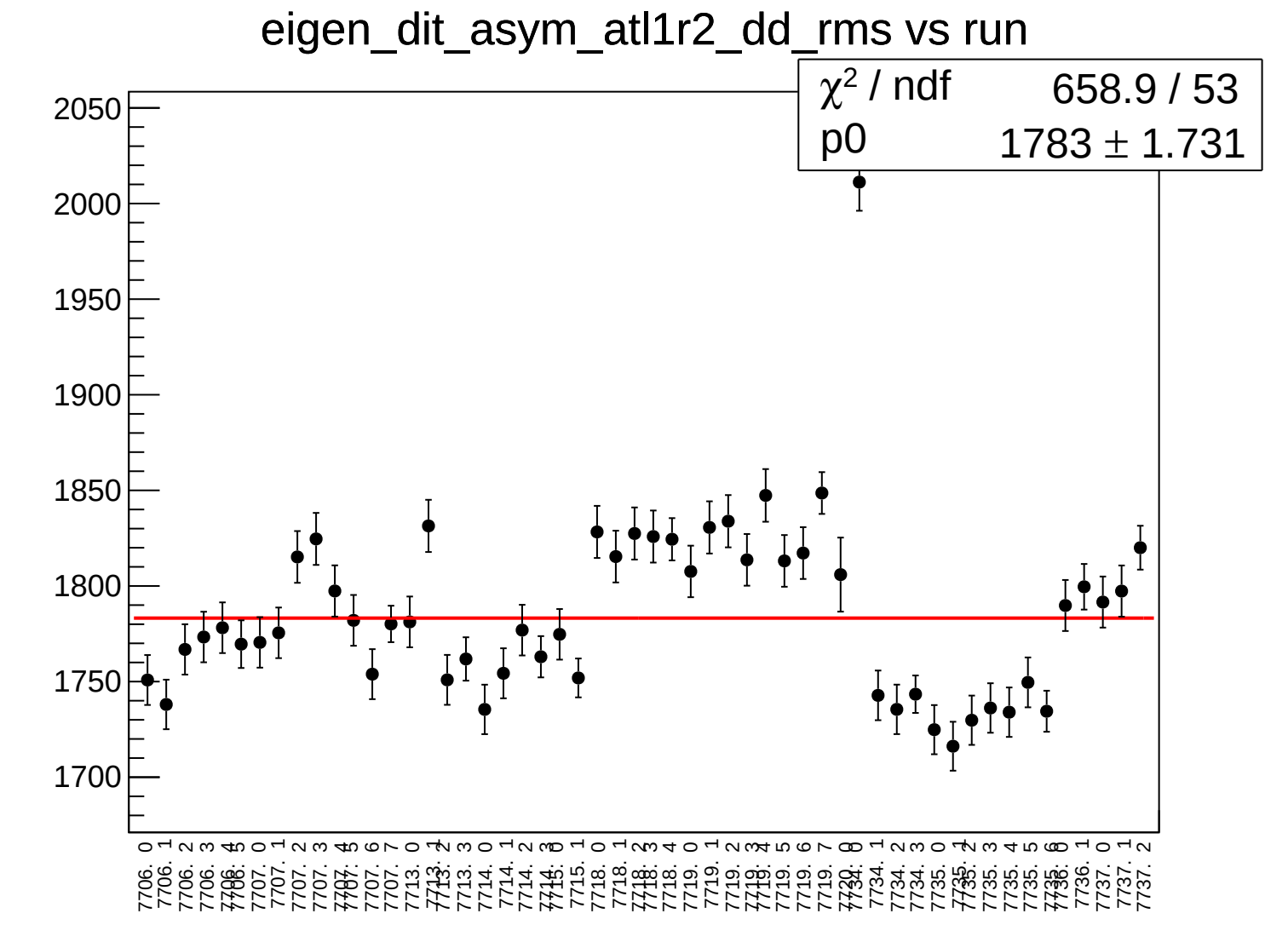

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.47 / 53
p0 −2416 ± 7639
pull
Entries 54
Mean 9285
Std Dev 0

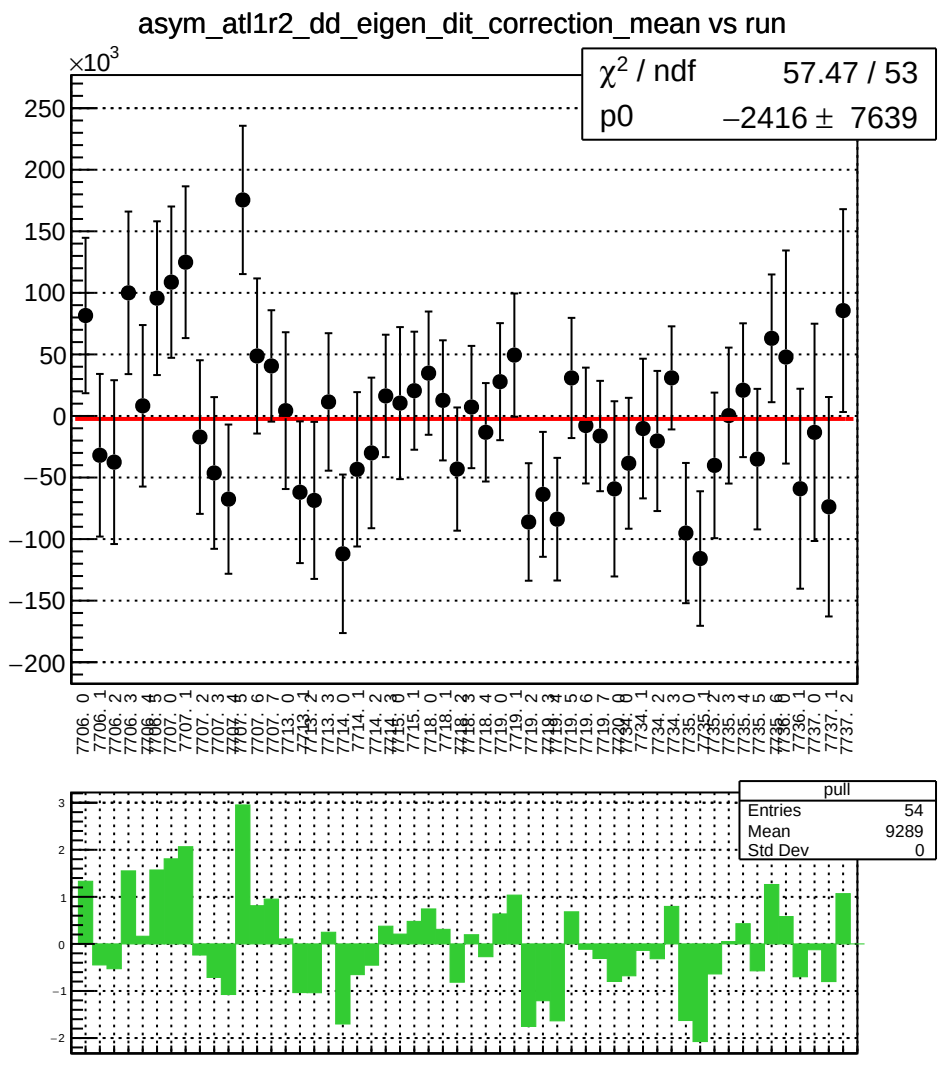

pull1D
Entries 54
Mean −0.0004745
Std Dev 1.032

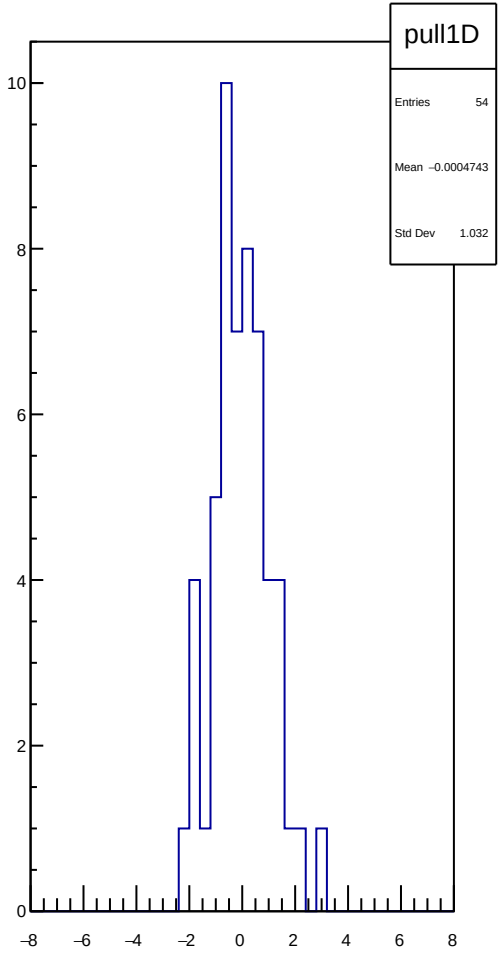

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2.508e+04 / 53
p0 5500 ± 5.402
9000
8000
7000
6000
5000
4000

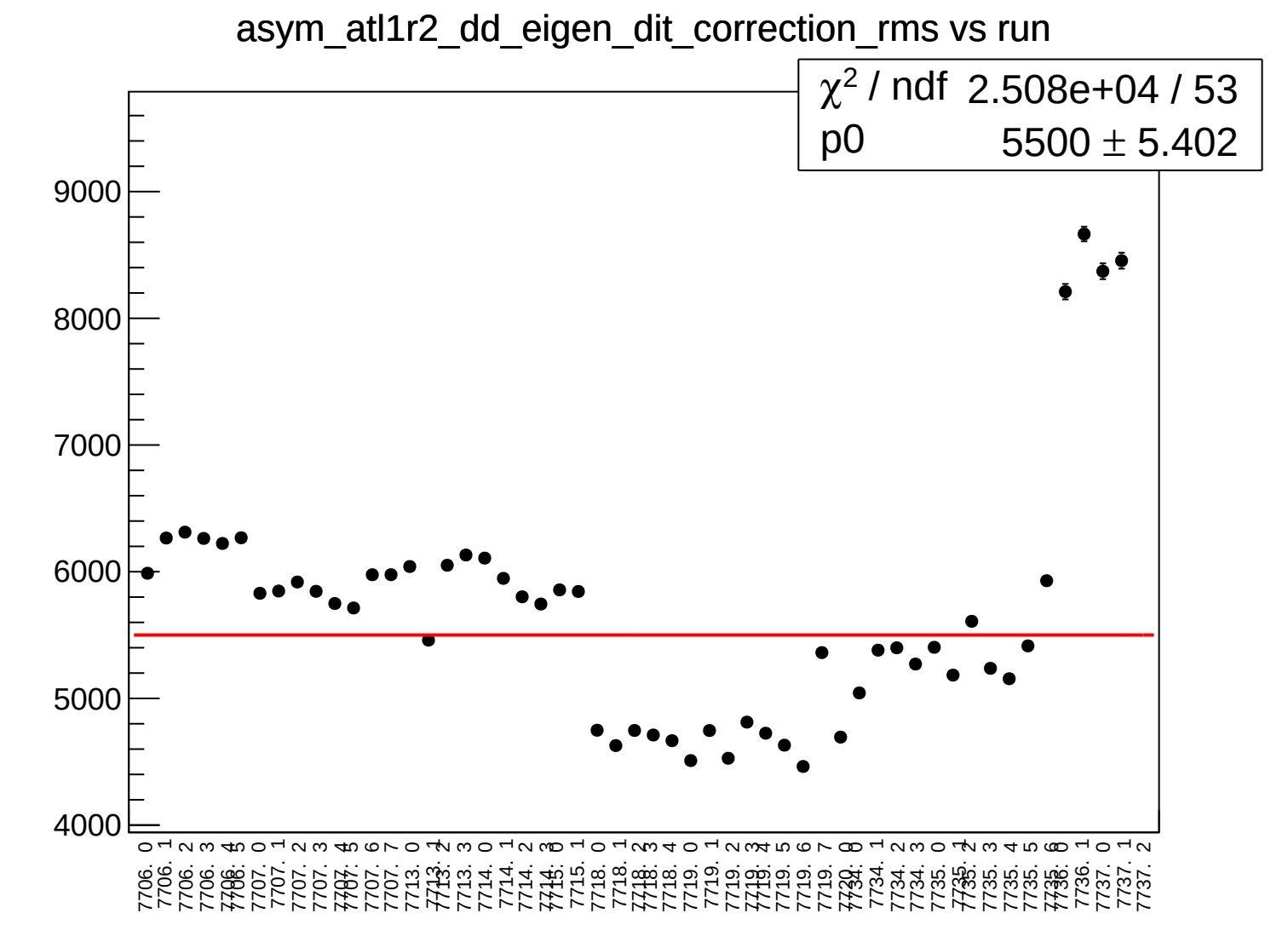

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 65.57 / 53
p0 −2118 ± 2448
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 136.7
Std Dev 0
2
1
0
−1
−2
−3

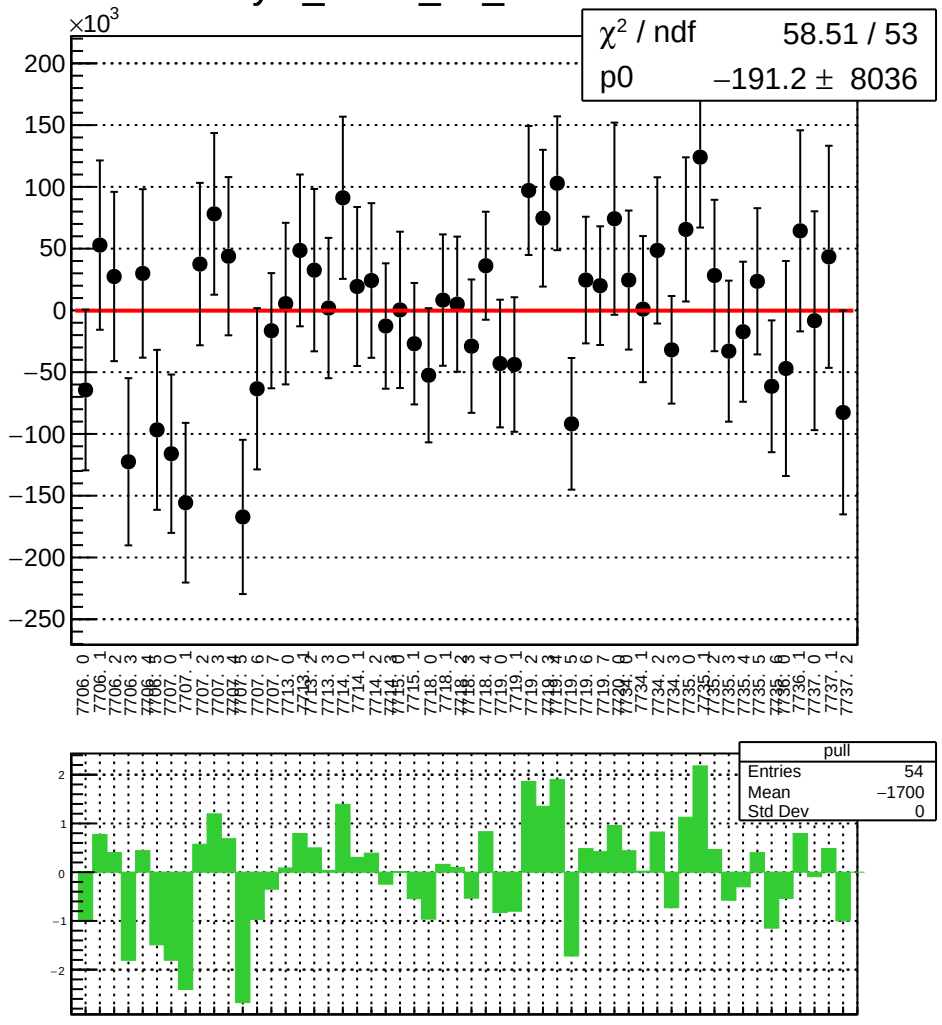

pull1D
Entries 54
Mean −0.02415
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

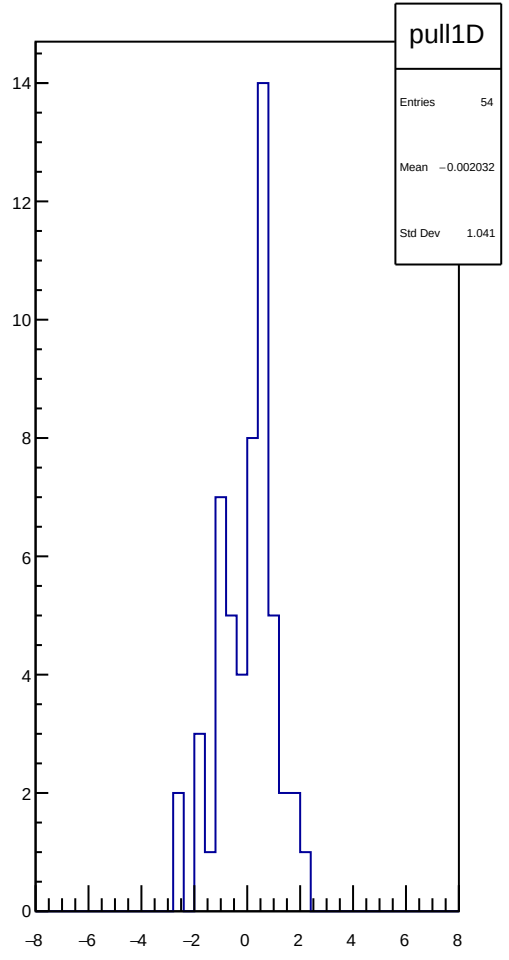

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 658.9 / 53
p0 1783 ± 1.731
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

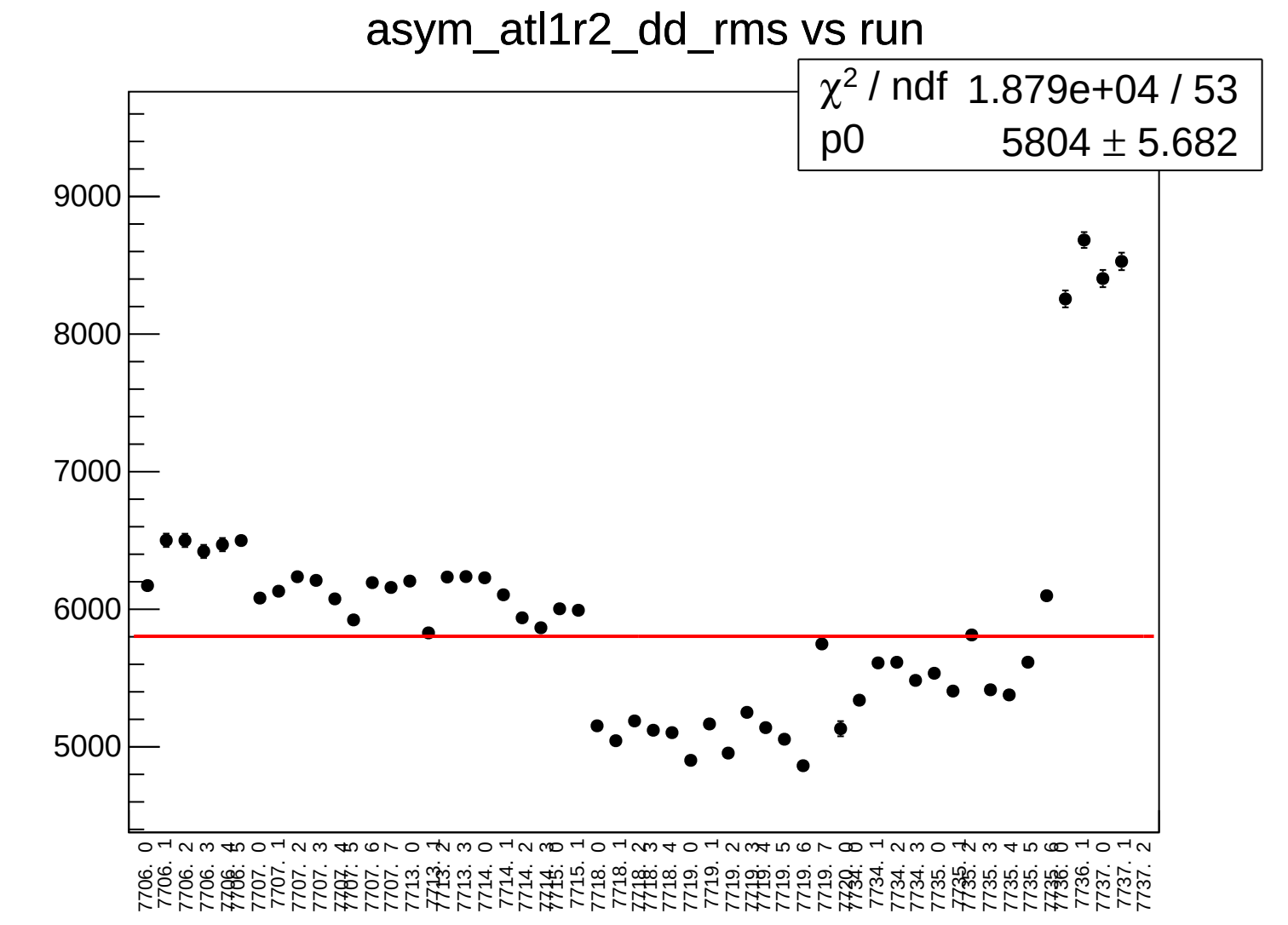

asym_atl1r2_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.47 / 53
p0 −2416 ± 7639
pull
Entries 54
Mean 9289
Std Dev 0

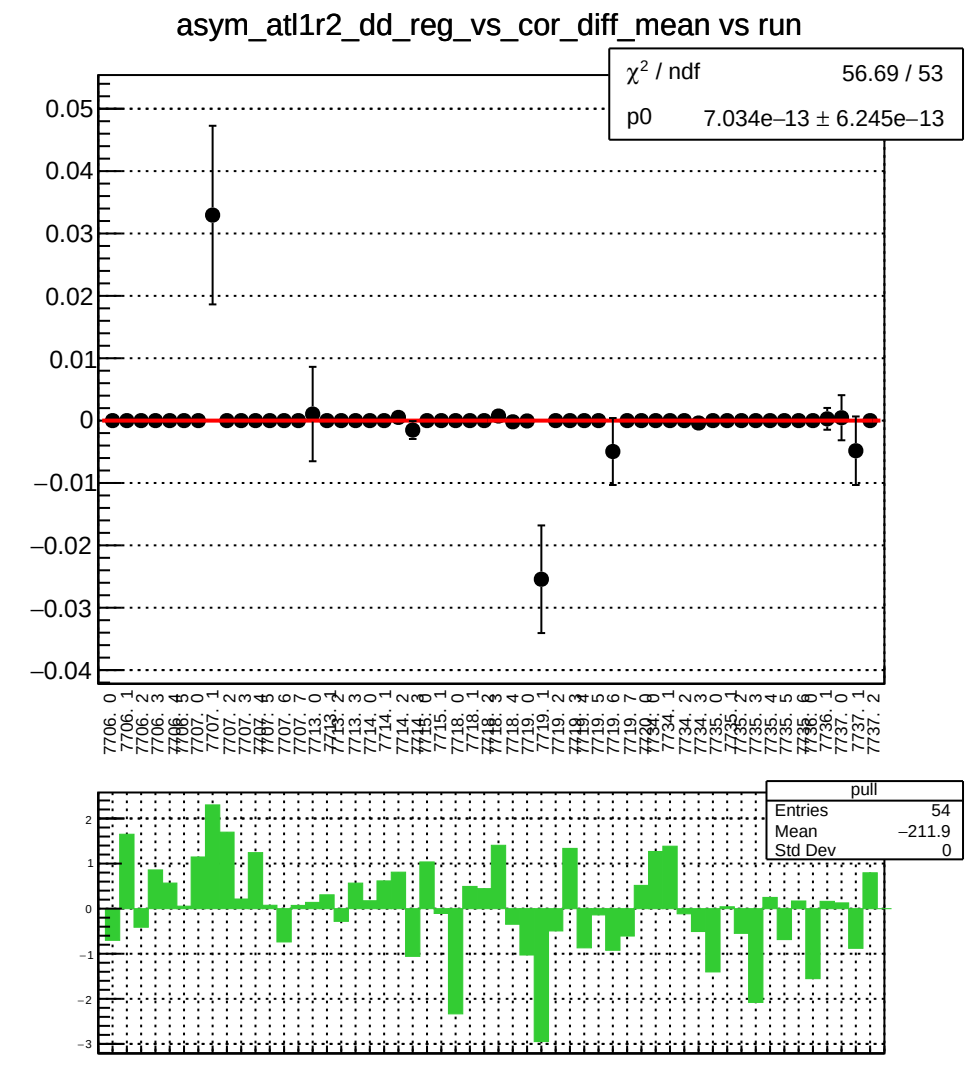

pull1D
Entries 54
Mean −0.0004743
Std Dev 1.032

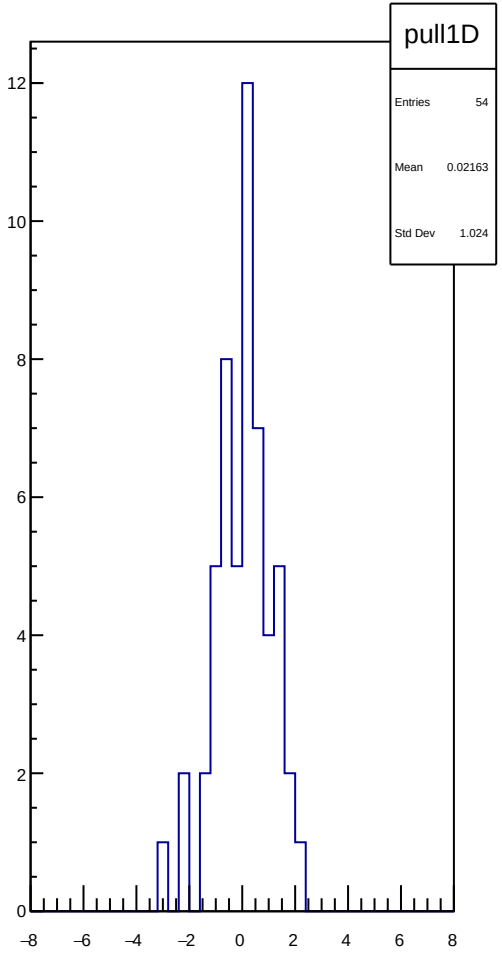

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.508e+04 / 53
p0 5500 ± 5.402
9000
8000
7000
6000
5000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

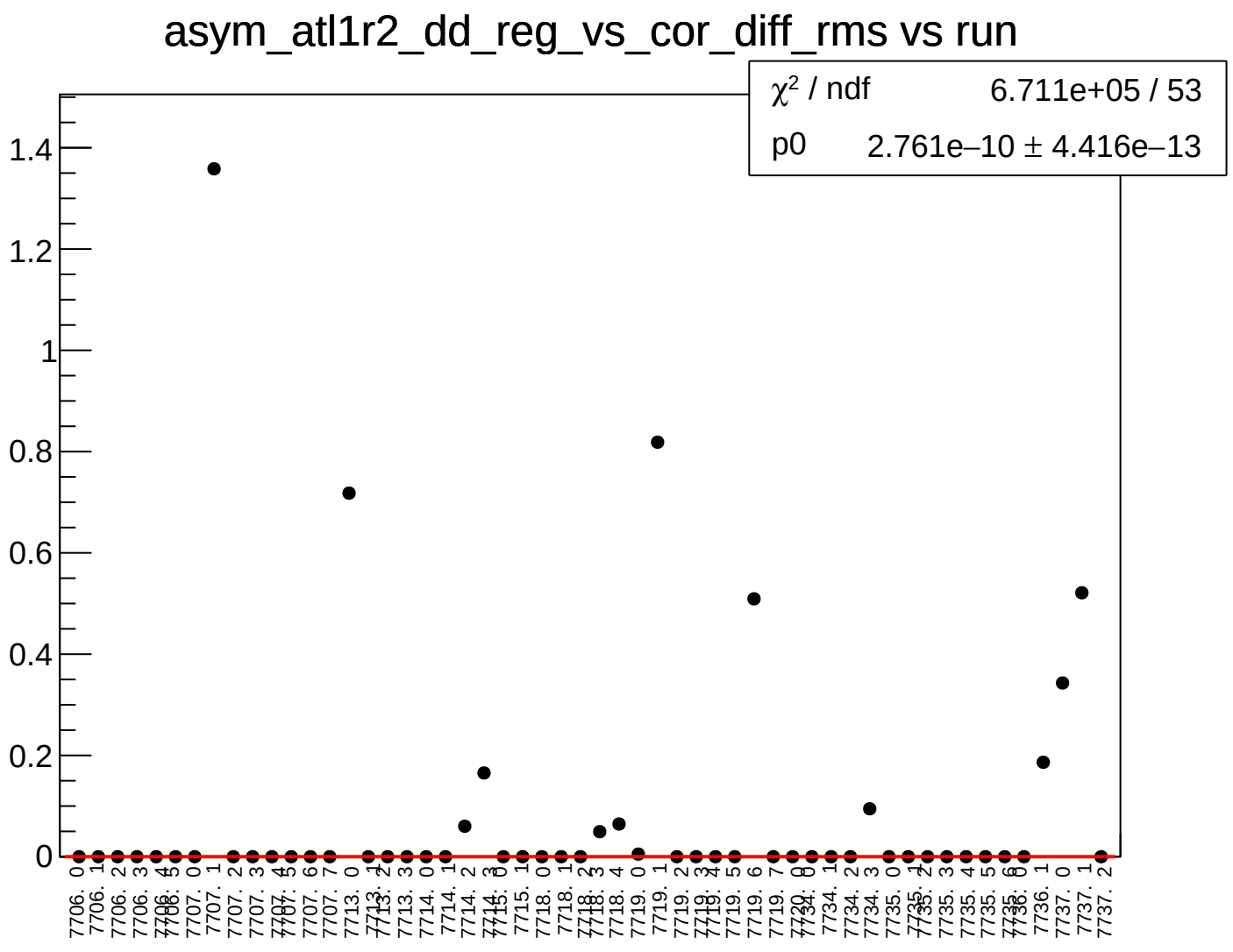

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 58.51 / 53
p0 −191.2 ± 8036
200
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean −1700
Std Dev 0
2
1
0
−1
−2

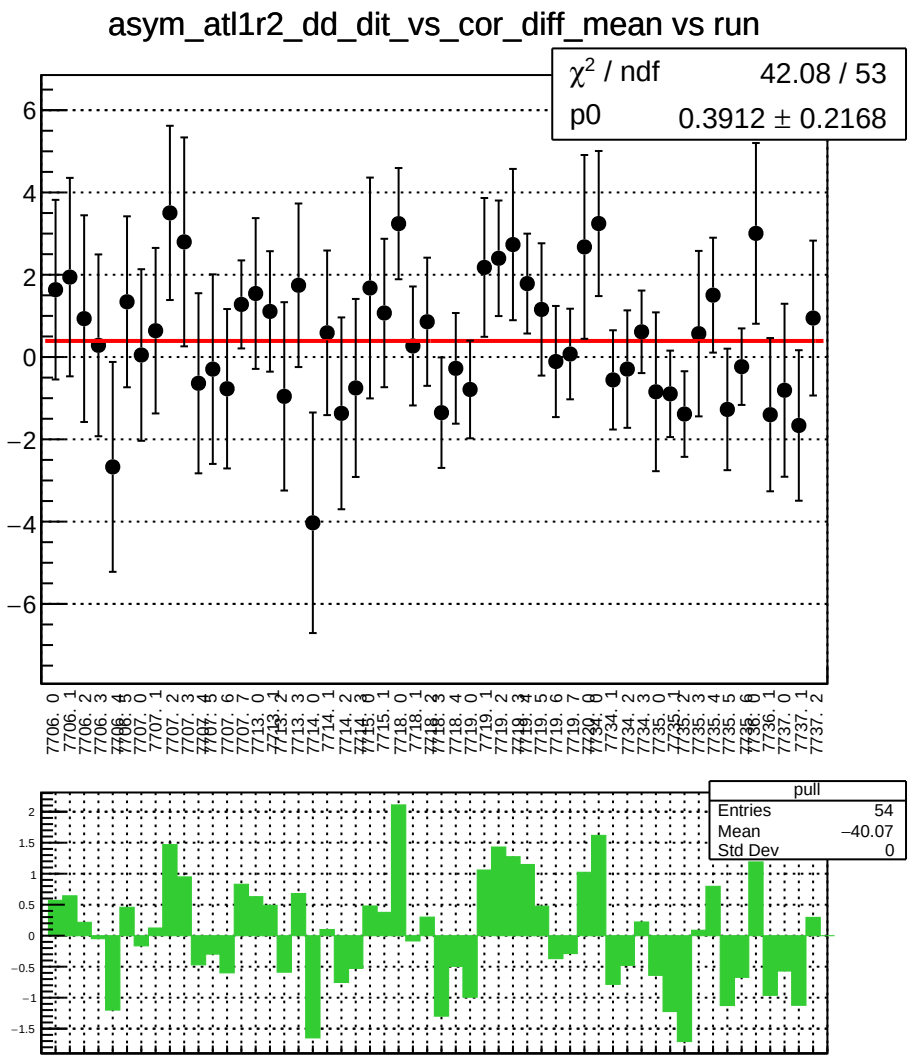

pull1D
Entries 54
Mean −0.002032
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

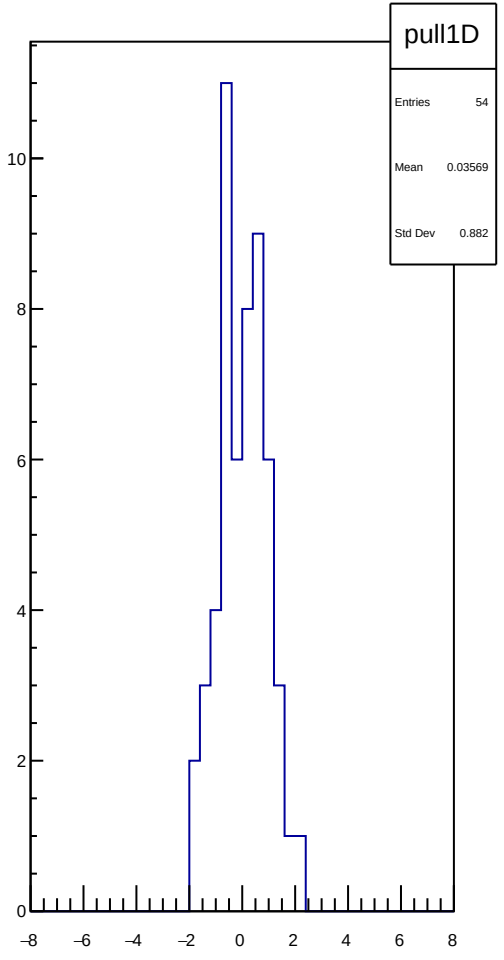

asym_atl1r2_dd_rms vs run
χ^2 / ndf 1.879e+04 / 53
p0 5804 ± 5.682
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

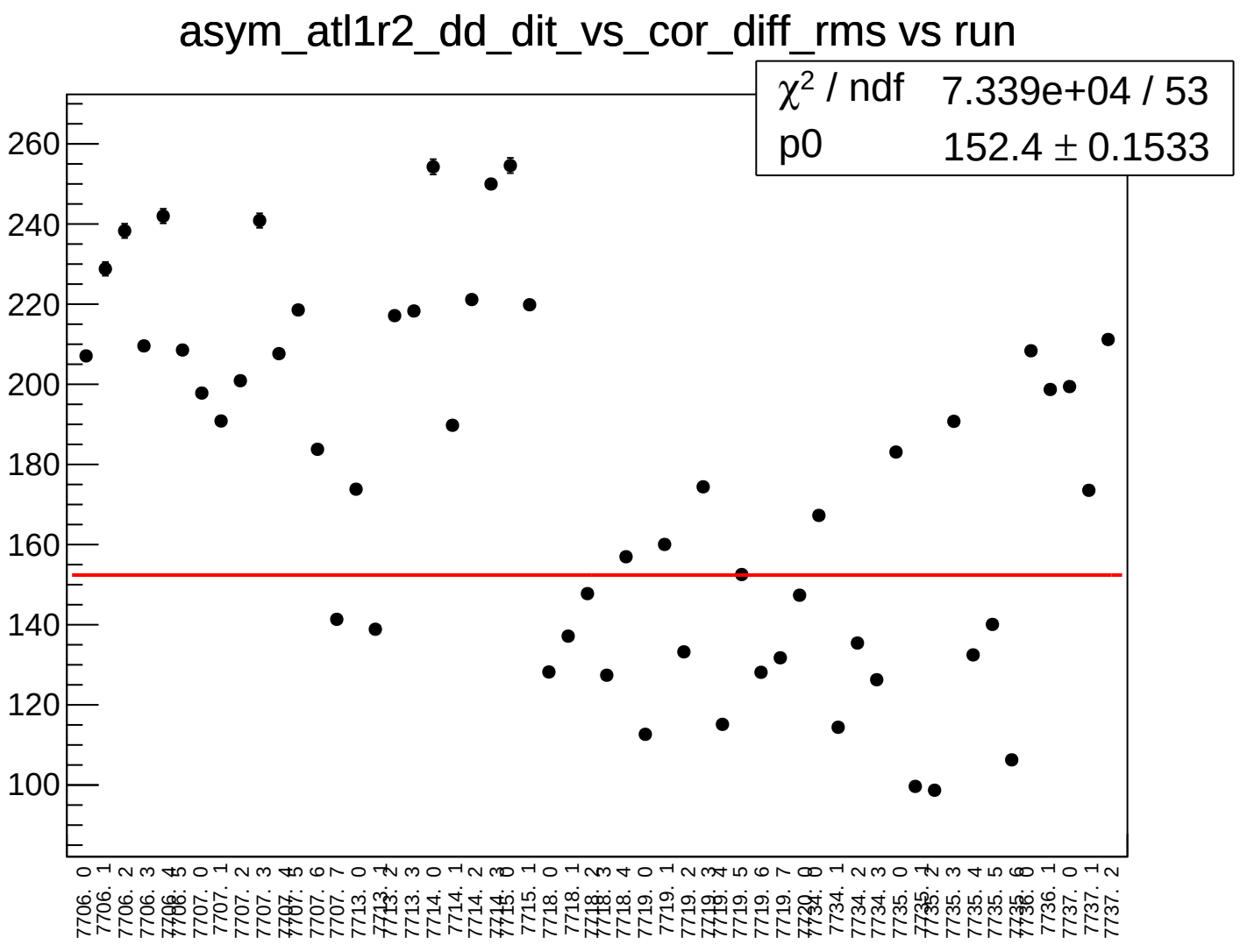

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.69 / 53
p0 7.034e−13 ± 6.245e−13
pull
Entries 54
Mean −211.9
Std Dev 0

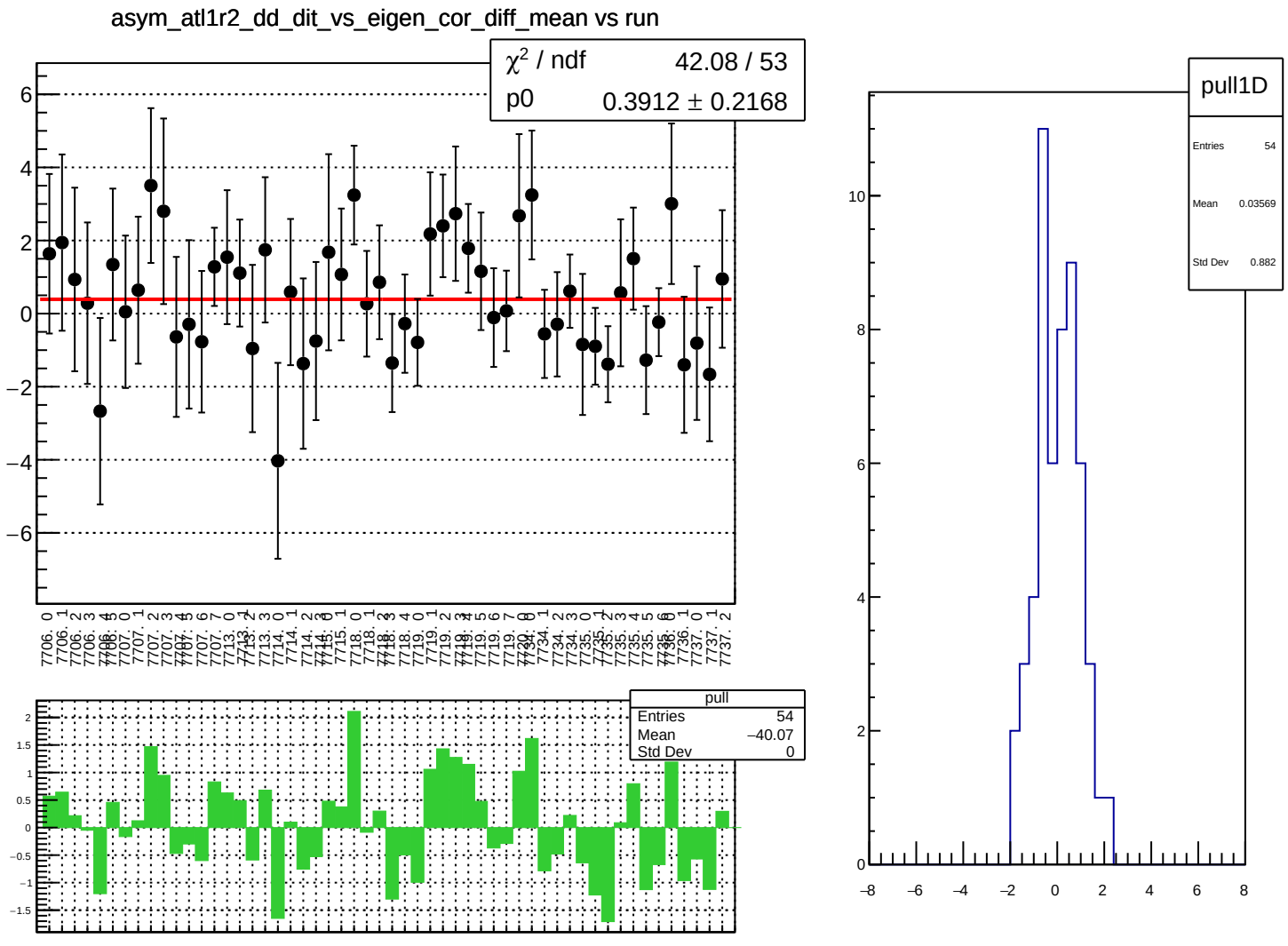

pull1D
Entries 54
Mean 0.02163
Std Dev 1.024

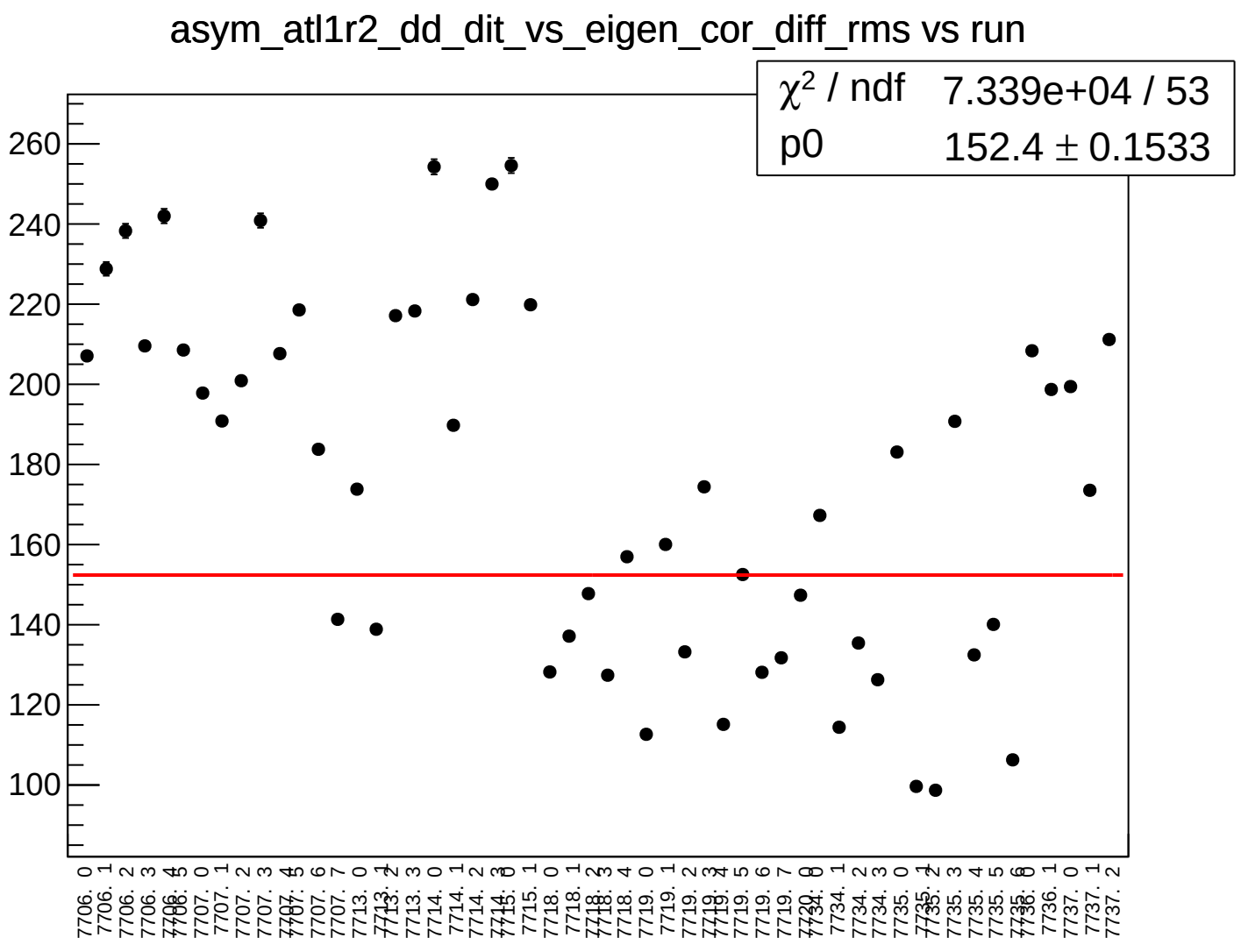

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.711e+05 / 53
p0 2.761e−10 ± 4.416e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

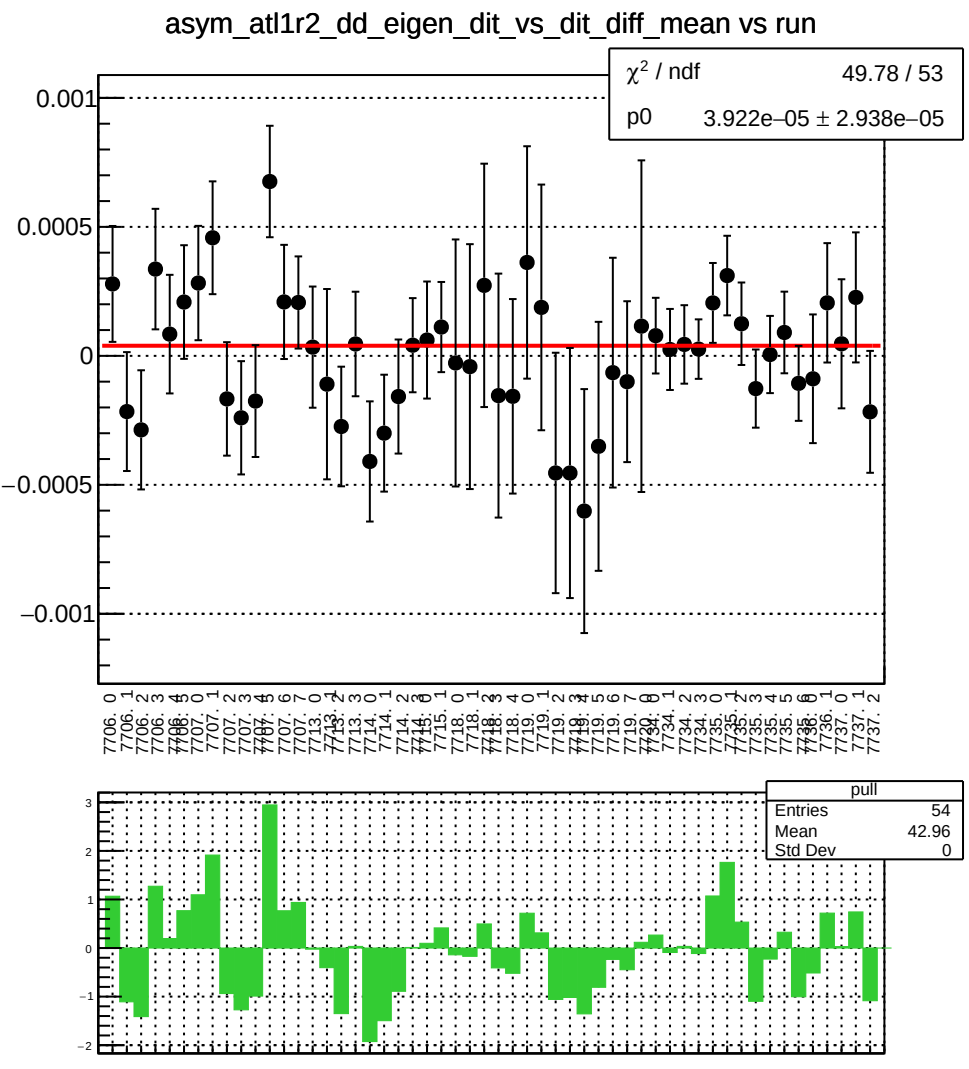

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.08 / 53
p0 0.3912 ± 0.2168
pull
Entries 54
Mean −40.07
Std Dev 0

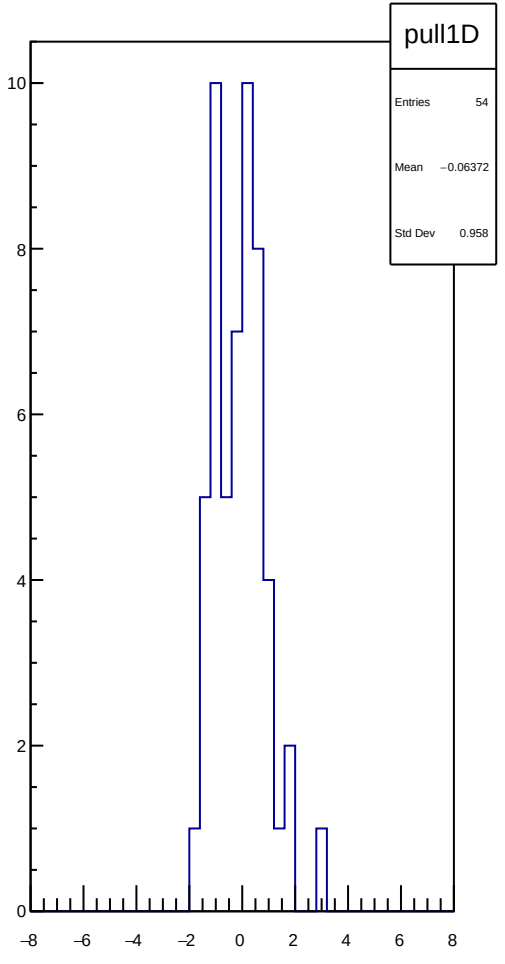

pull1D
Entries 54
Mean 0.03569
Std Dev 0.882

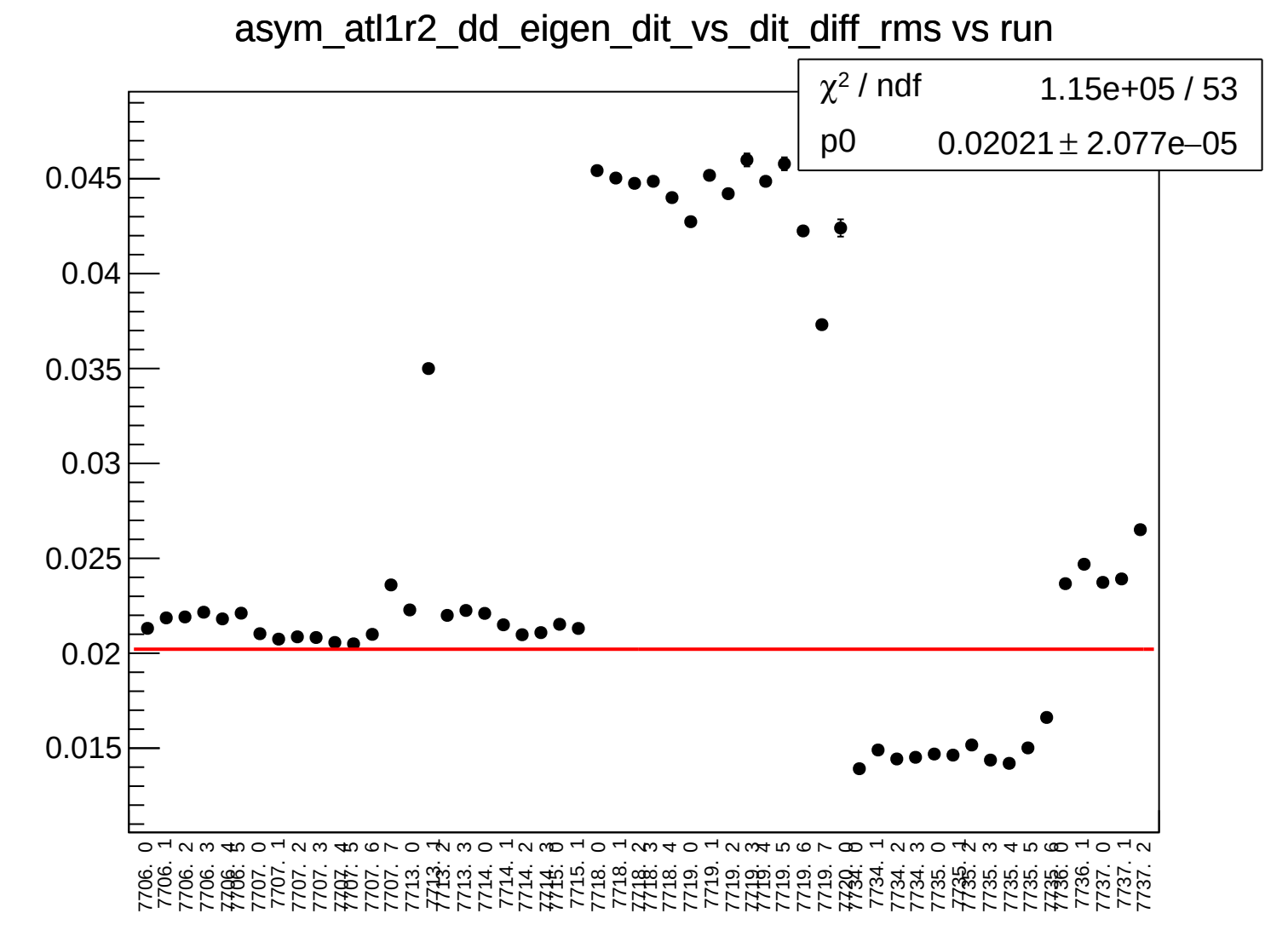

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.339e+04 / 53
p0 152.4 ± 0.1533
260
240
220
200
180
160
140
120
100

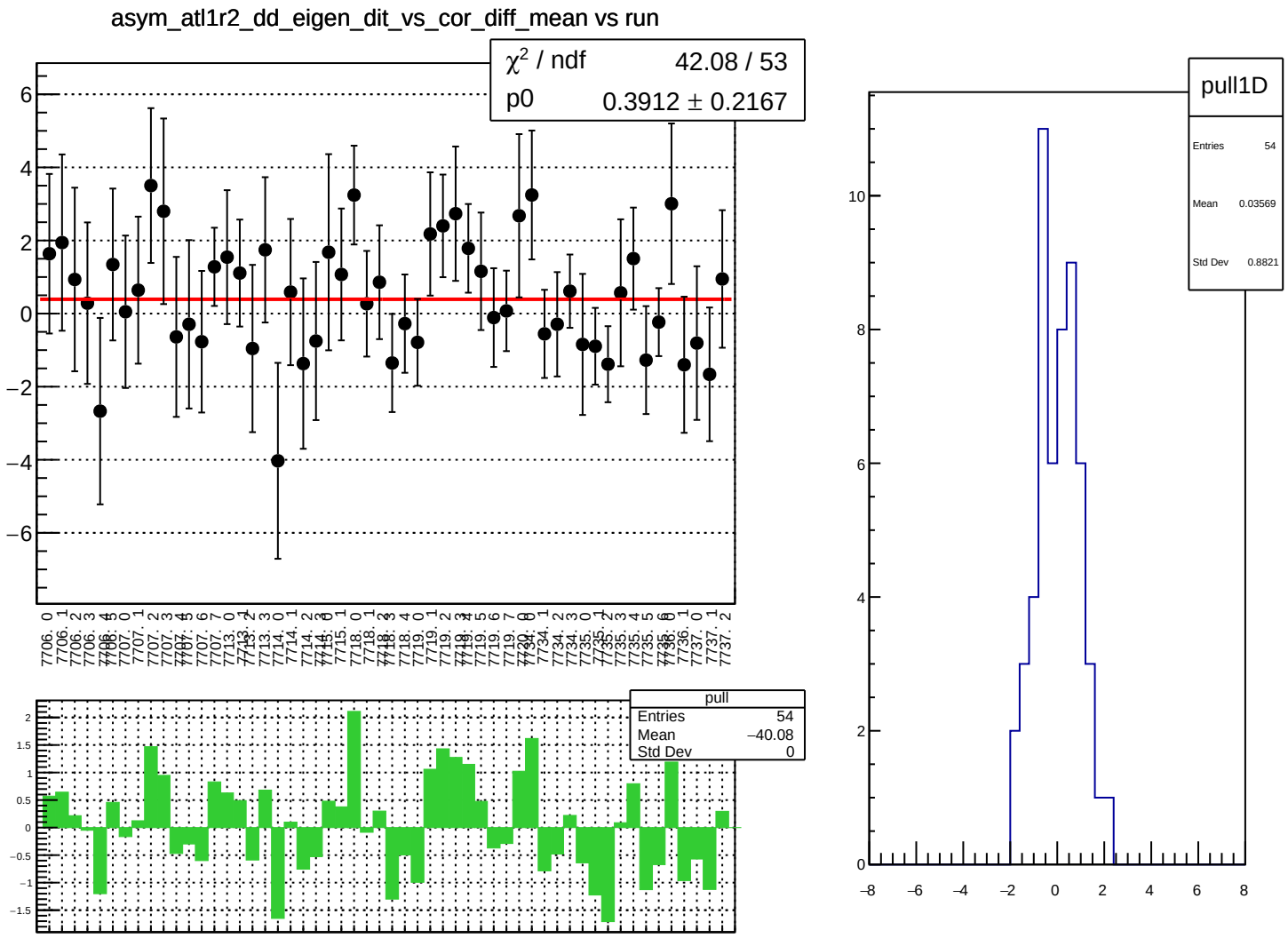

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.08 / 53
p0 0.3912 ± 0.2168
pull
Entries 54
Mean −40.07
Std Dev 0
pull1D
Entries 54
Mean 0.03569
Std Dev 0.882

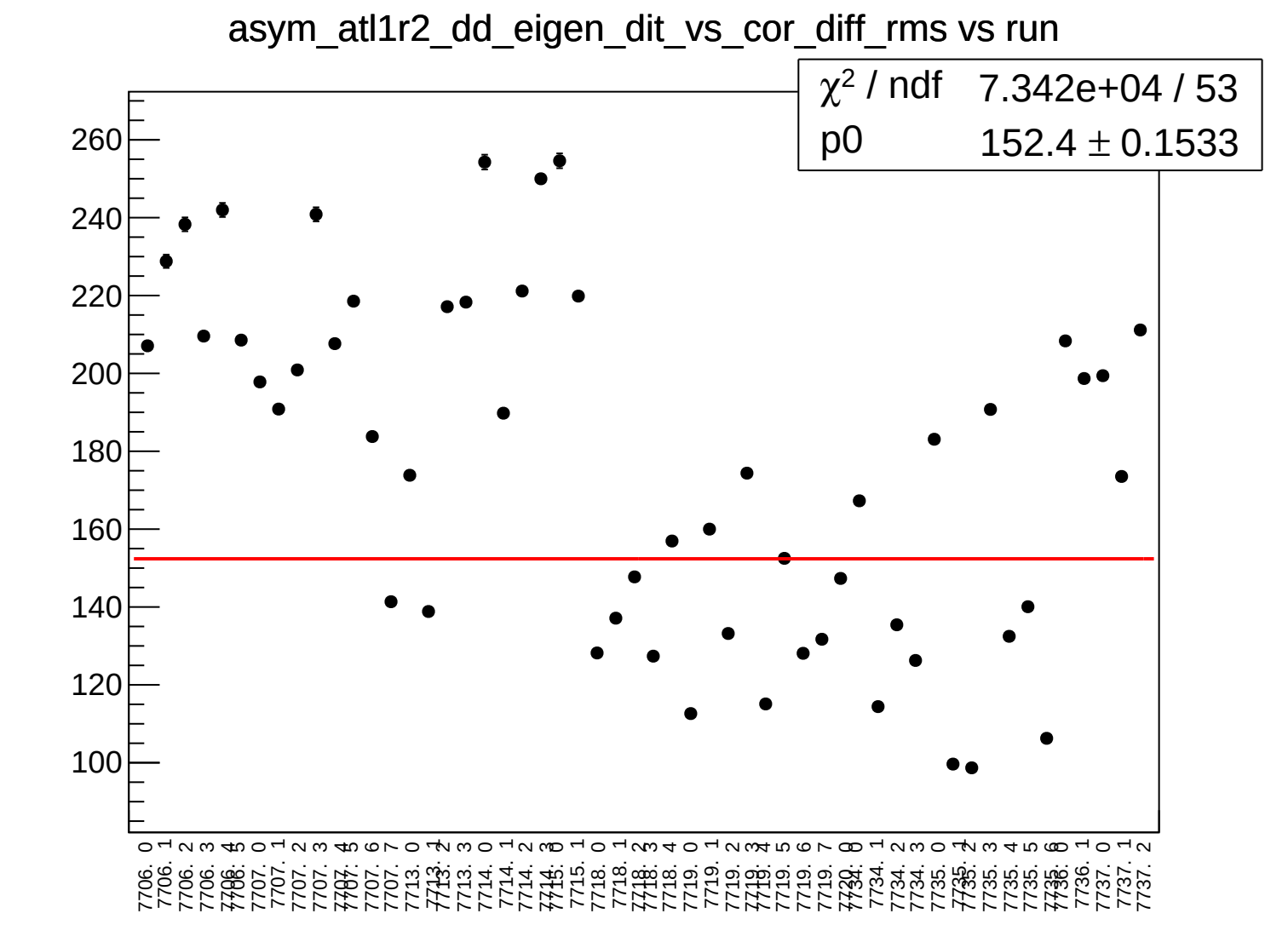

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.339e+04 / 53
p0 152.4 ± 0.1533
260
240
220
200
180
160
140
120
100

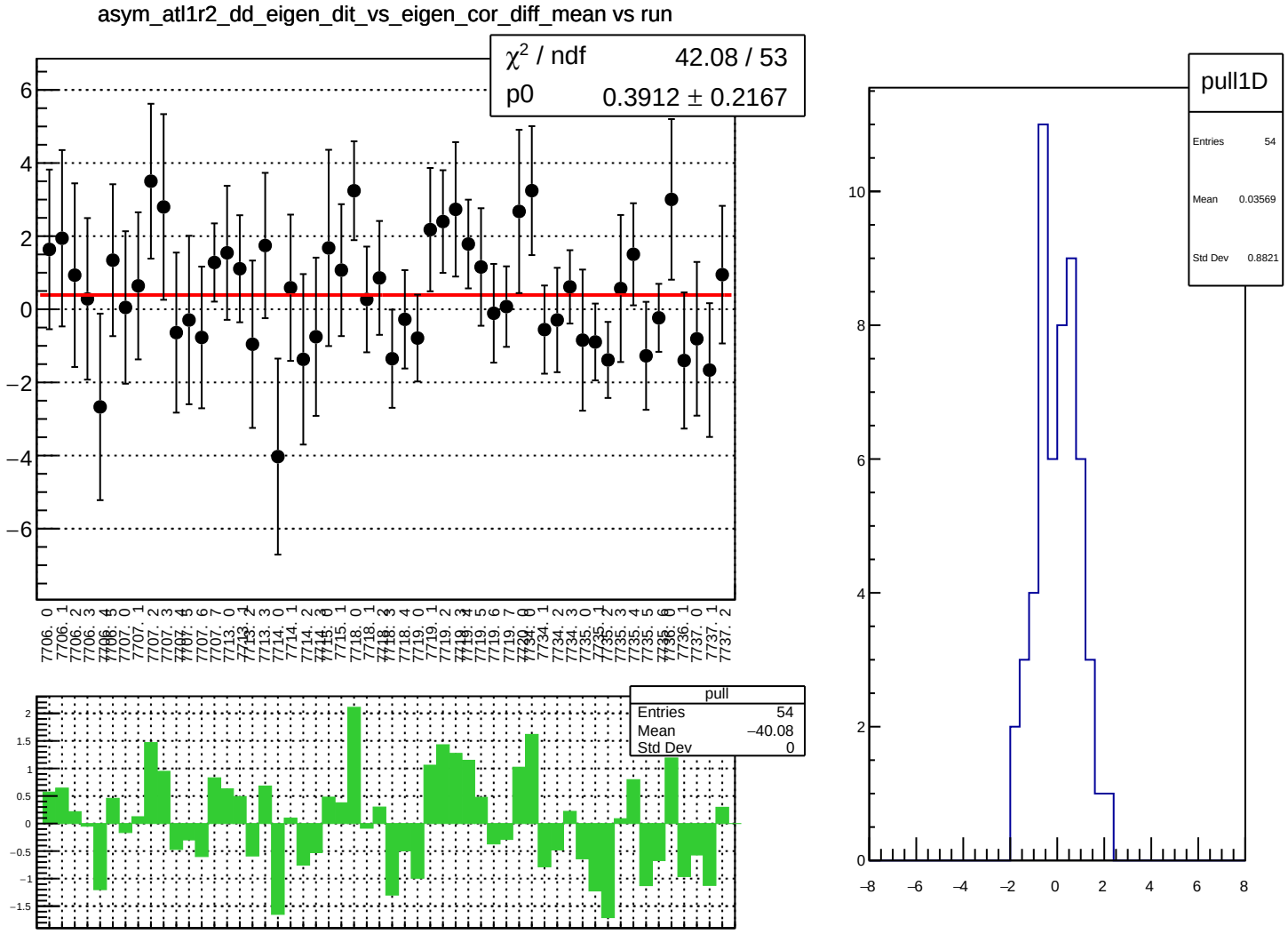

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.78 / 53
p0 3.922e−05 ± 2.938e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 42.96
Std Dev 0
3
2
1
0
−1
−2

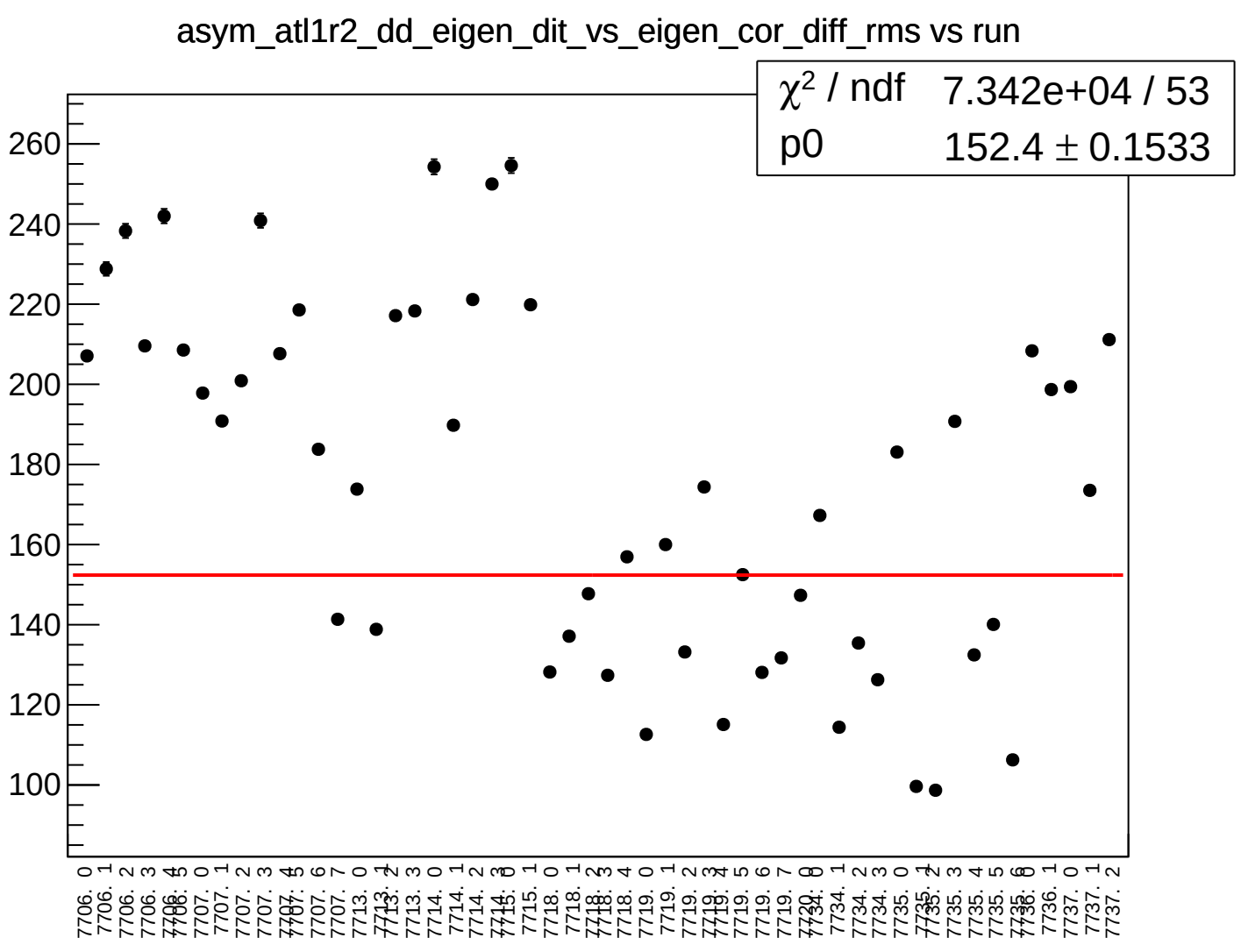

pull1D
Entries 54
Mean −0.06372
Std Dev 0.958
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

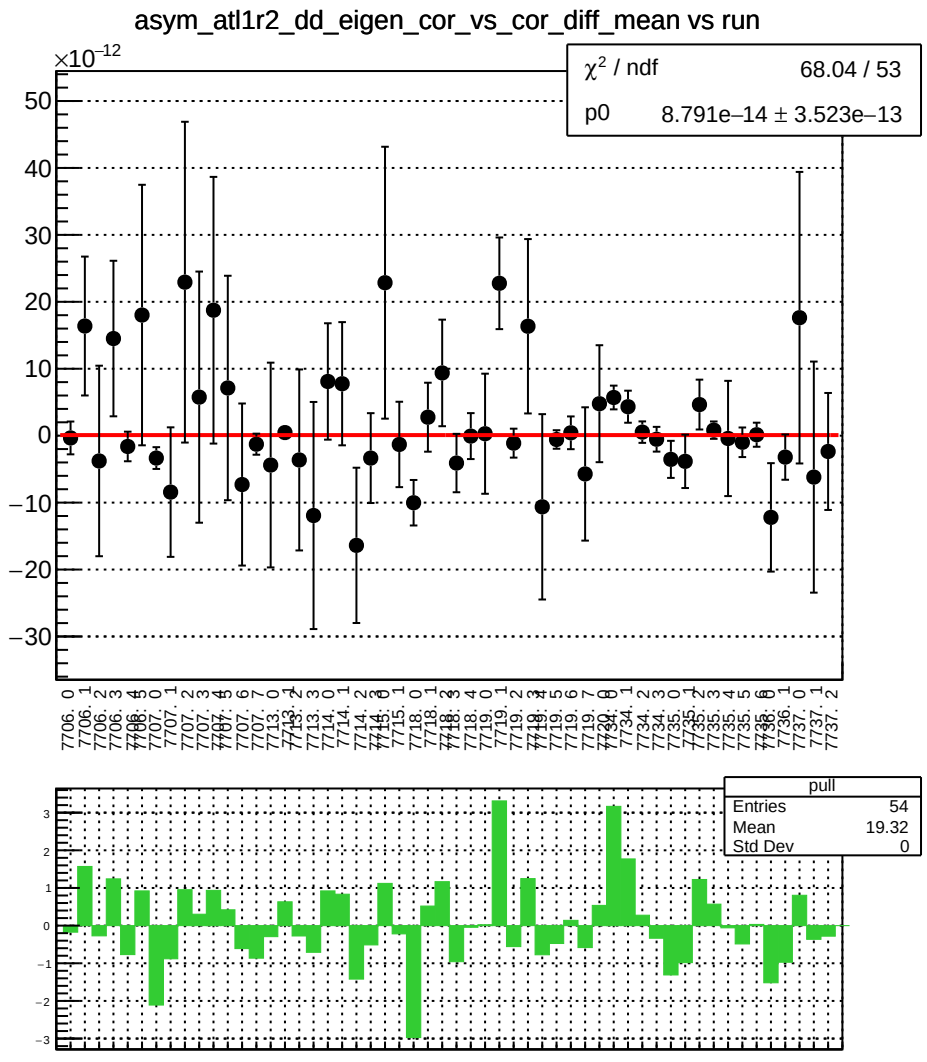

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.15e+05 / 53
p0 0.02021 ± 2.077e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

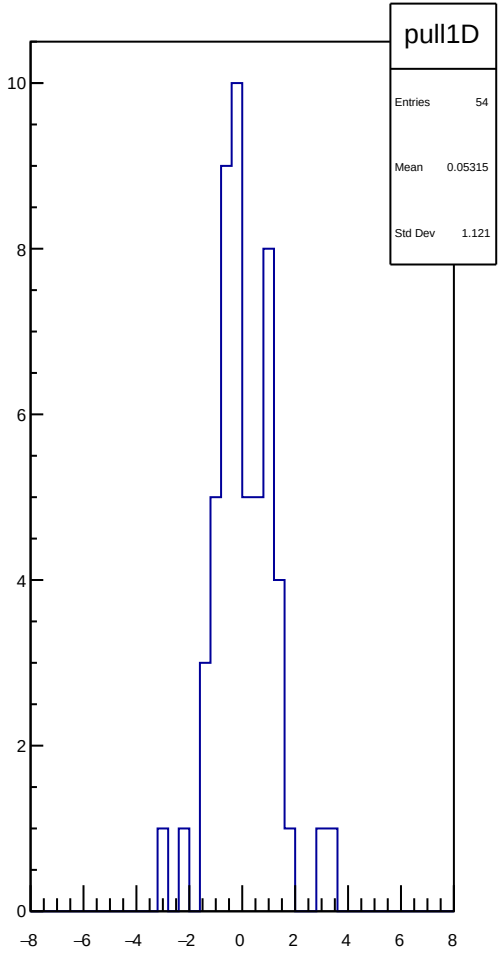

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.08 / 53
p0 0.3912 ± 0.2167
pull
Entries 54
Mean −40.08
Std Dev 0
pull1D
Entries 54
Mean 0.03569
Std Dev 0.8821

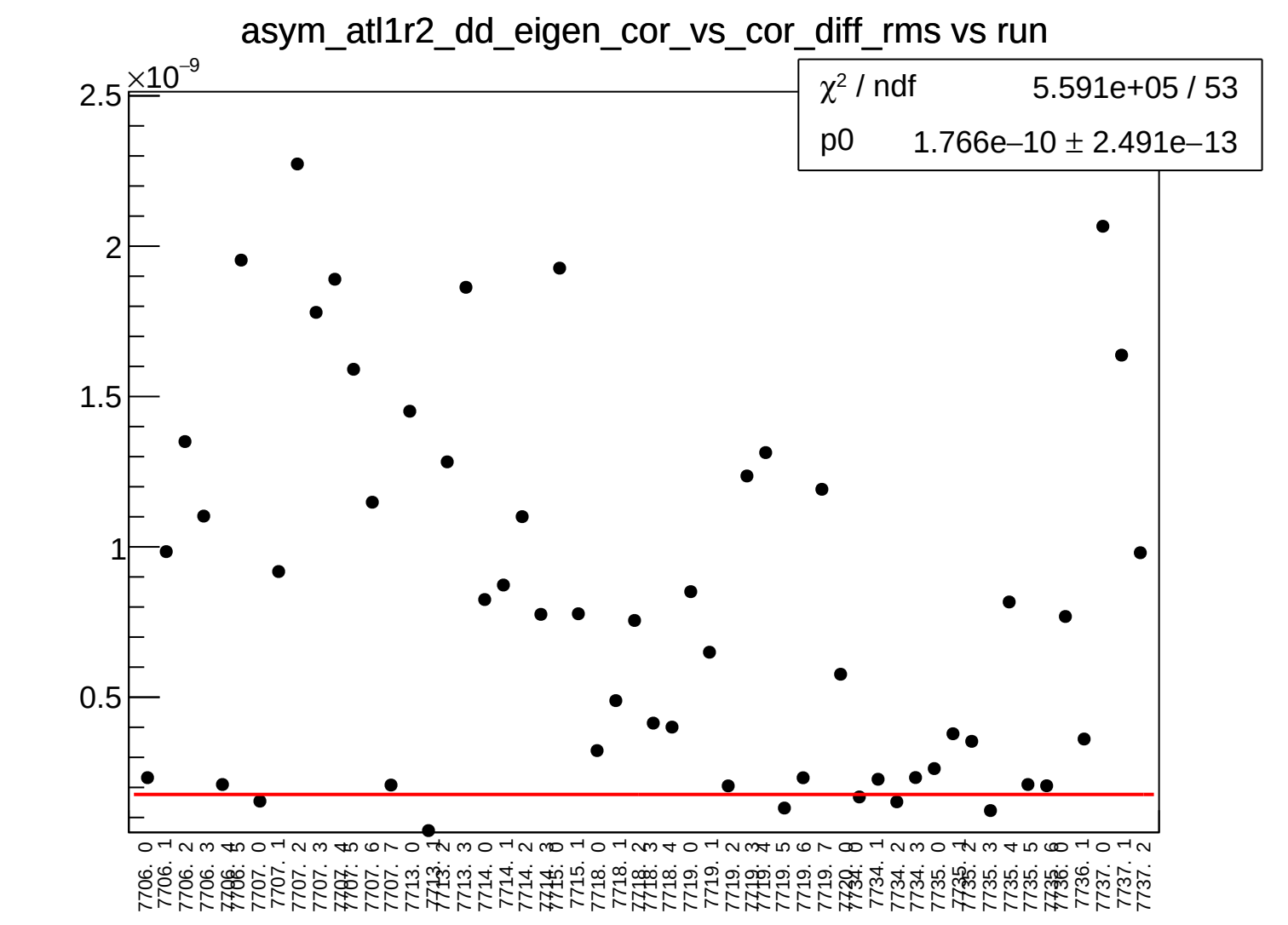

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.342e+04 / 53
p0 152.4 ± 0.1533
260
240
220
200
180
160
140
120
100

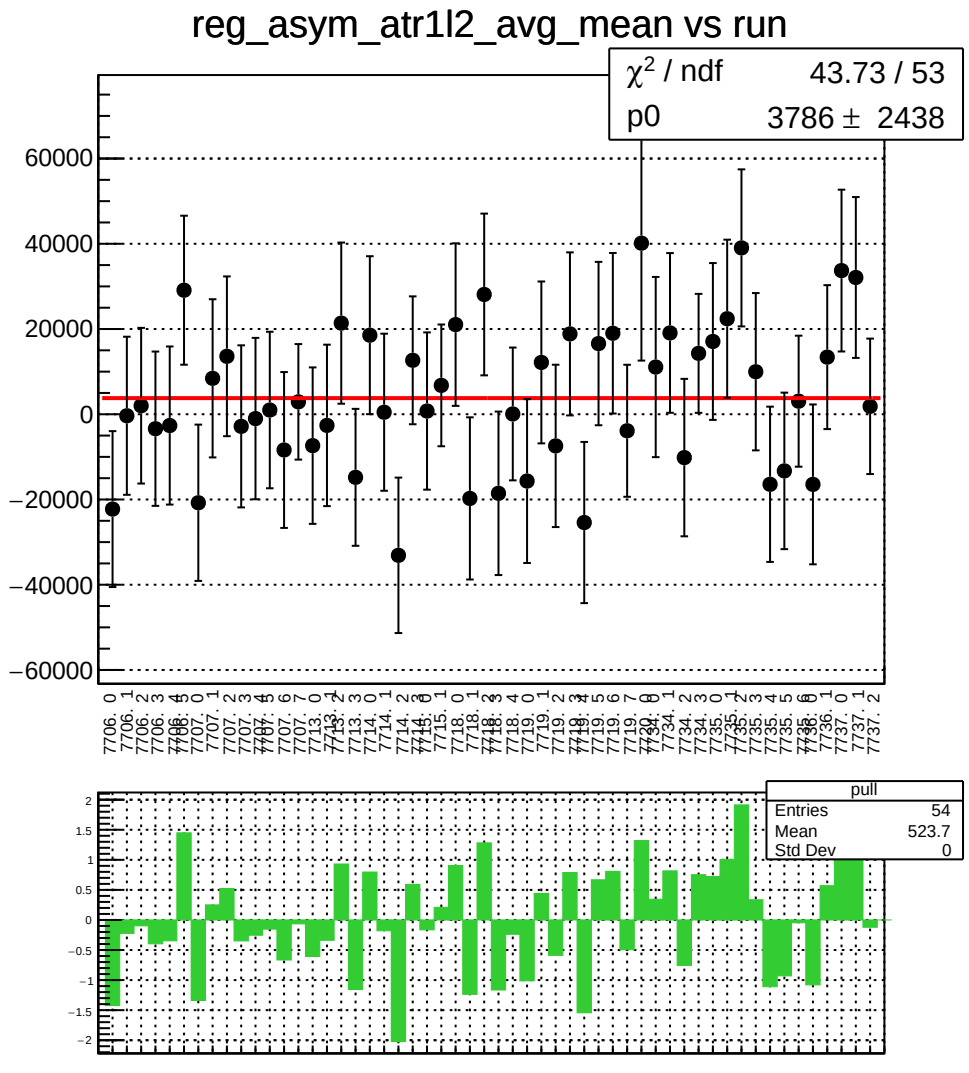

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.08 / 53
p0 0.3912 ± 0.2167
pull
Entries 54
Mean −40.08
Std Dev 0
pull1D
Entries 54
Mean 0.03569
Std Dev 0.8821

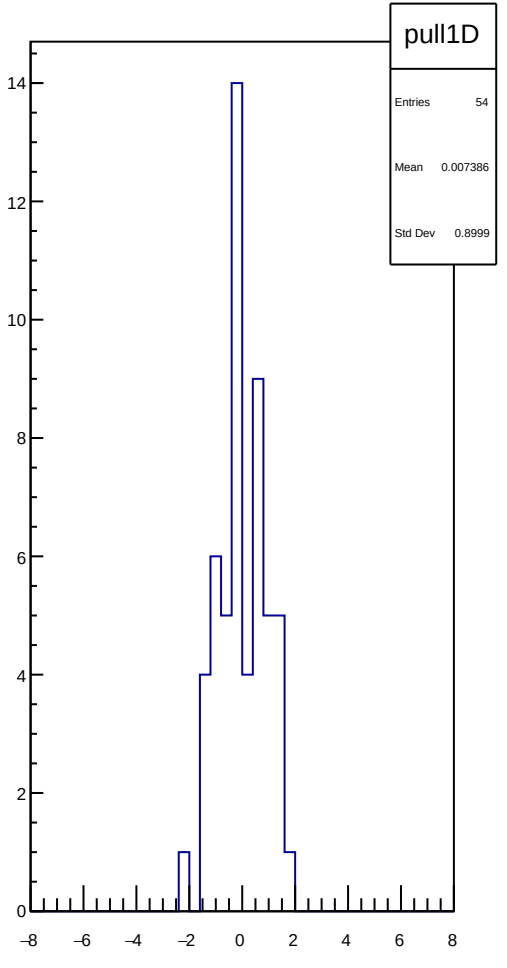

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.342e+04 / 53
p0 152.4 ± 0.1533
260
240
220
200
180
160
140
120
100

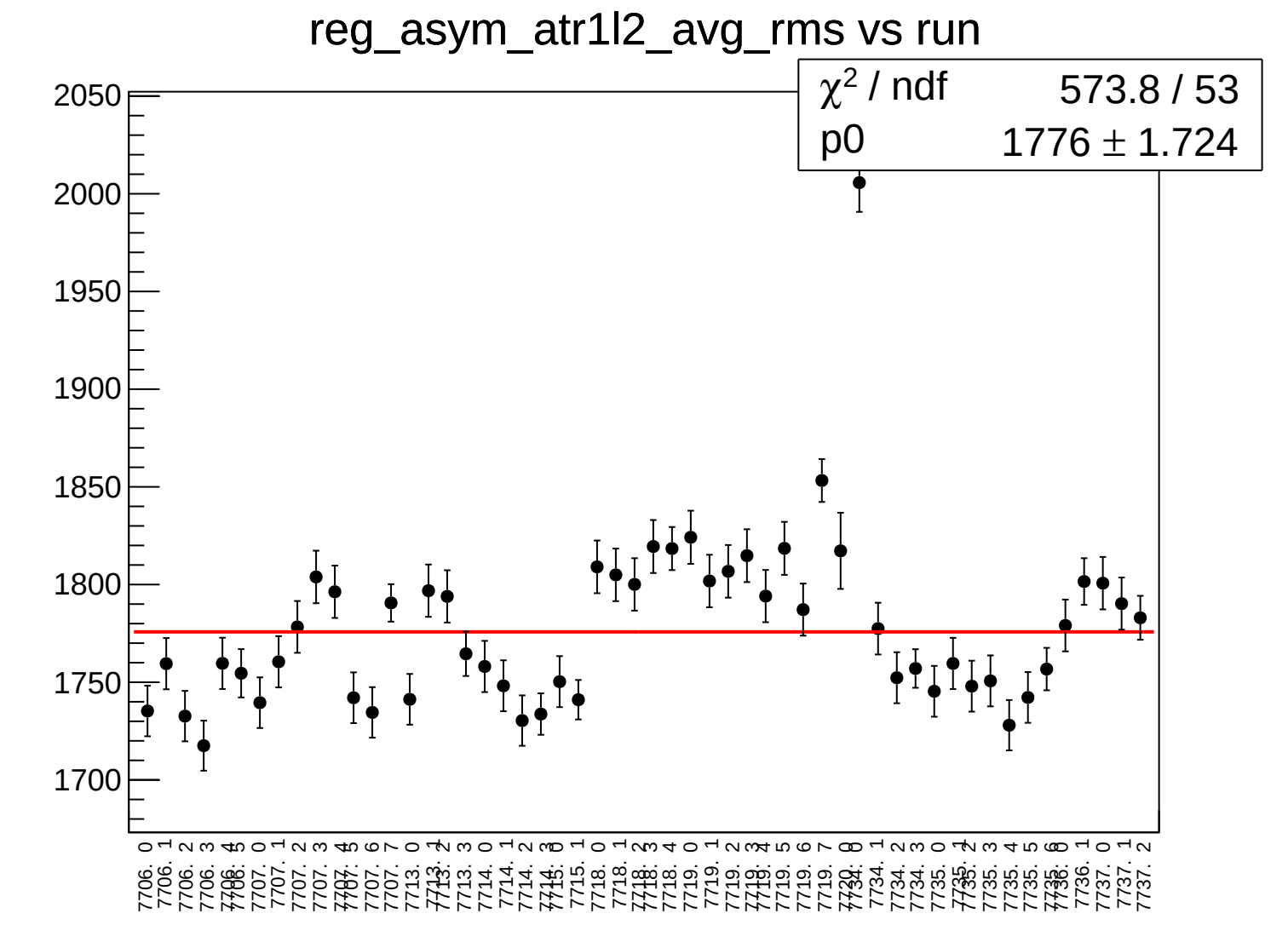

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.04 / 53
p0 8.791e−14 ± 3.523e−13
pull
Entries 54
Mean 19.32
Std Dev 0

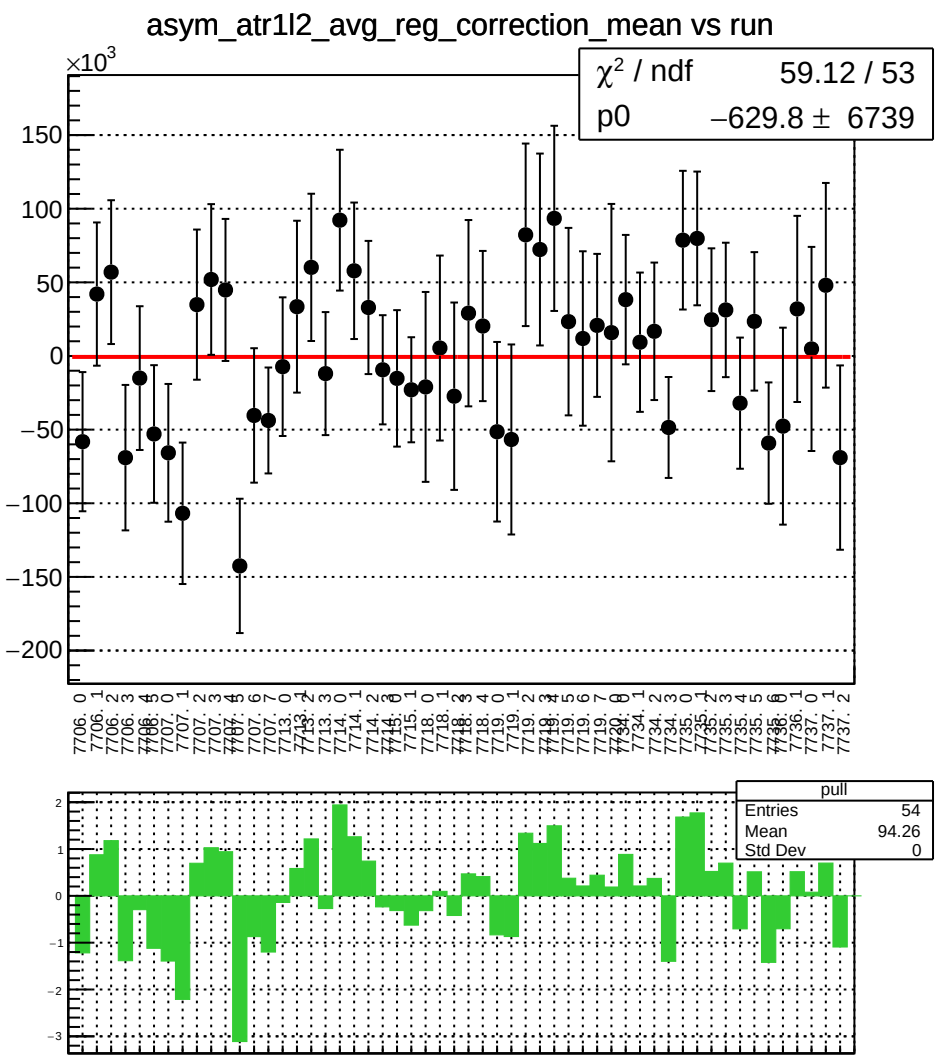

pull1D
Entries 54
Mean 0.05315
Std Dev 1.121

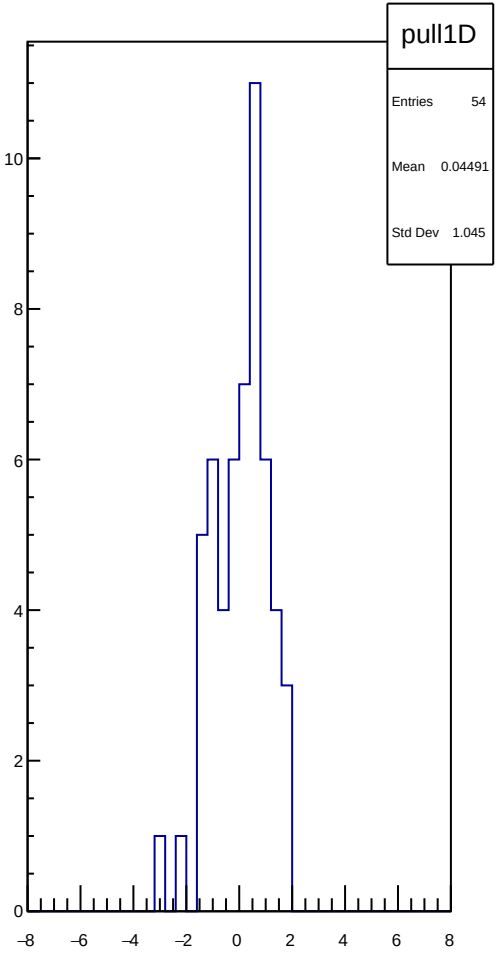

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
2.5
2
1.5
1
0.5
χ² / ndf 5.591e+05 / 53
p0 1.766e−10 ± 2.491e−13

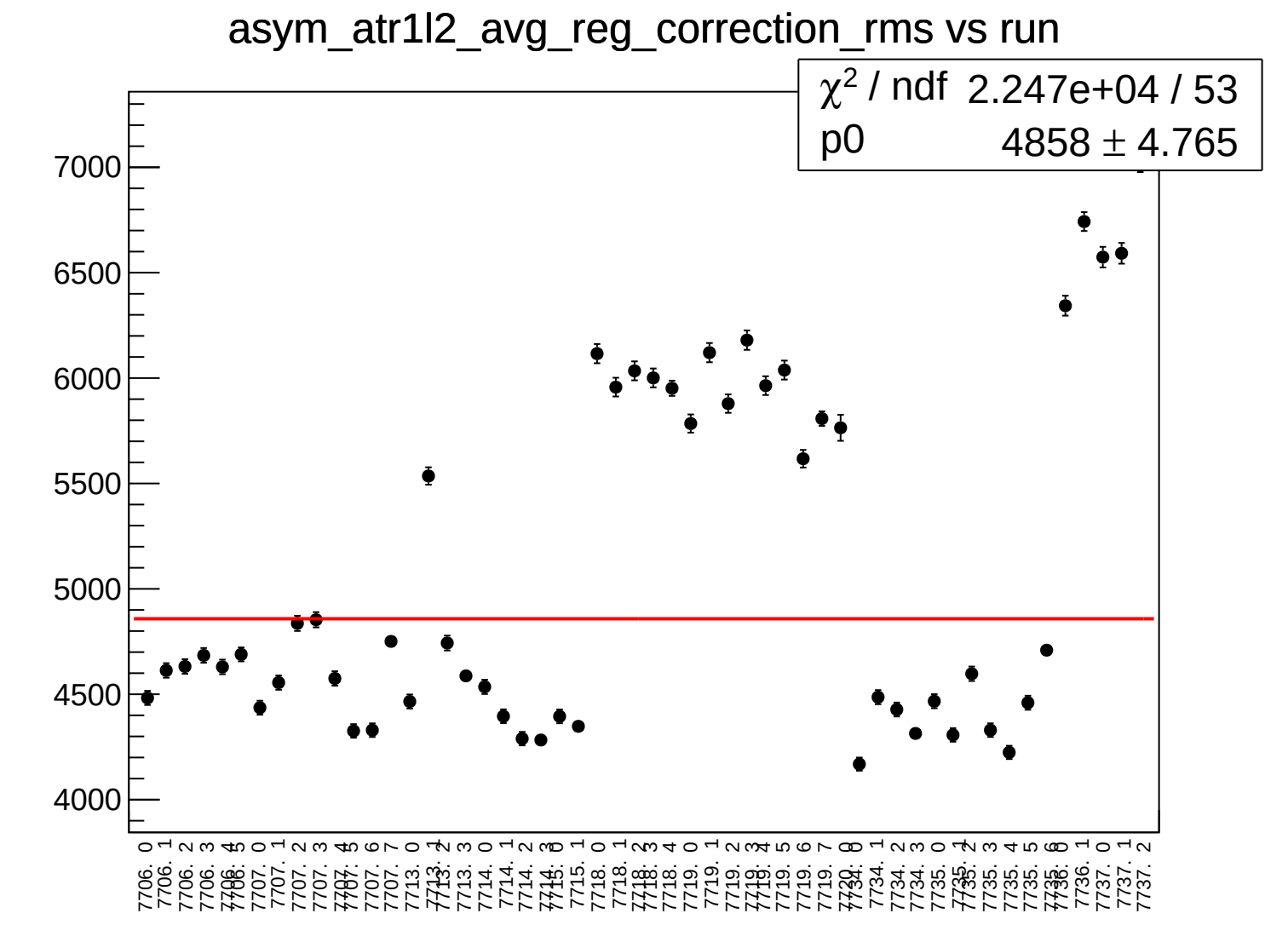

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 43.73 / 53
p0 3786 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 523.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

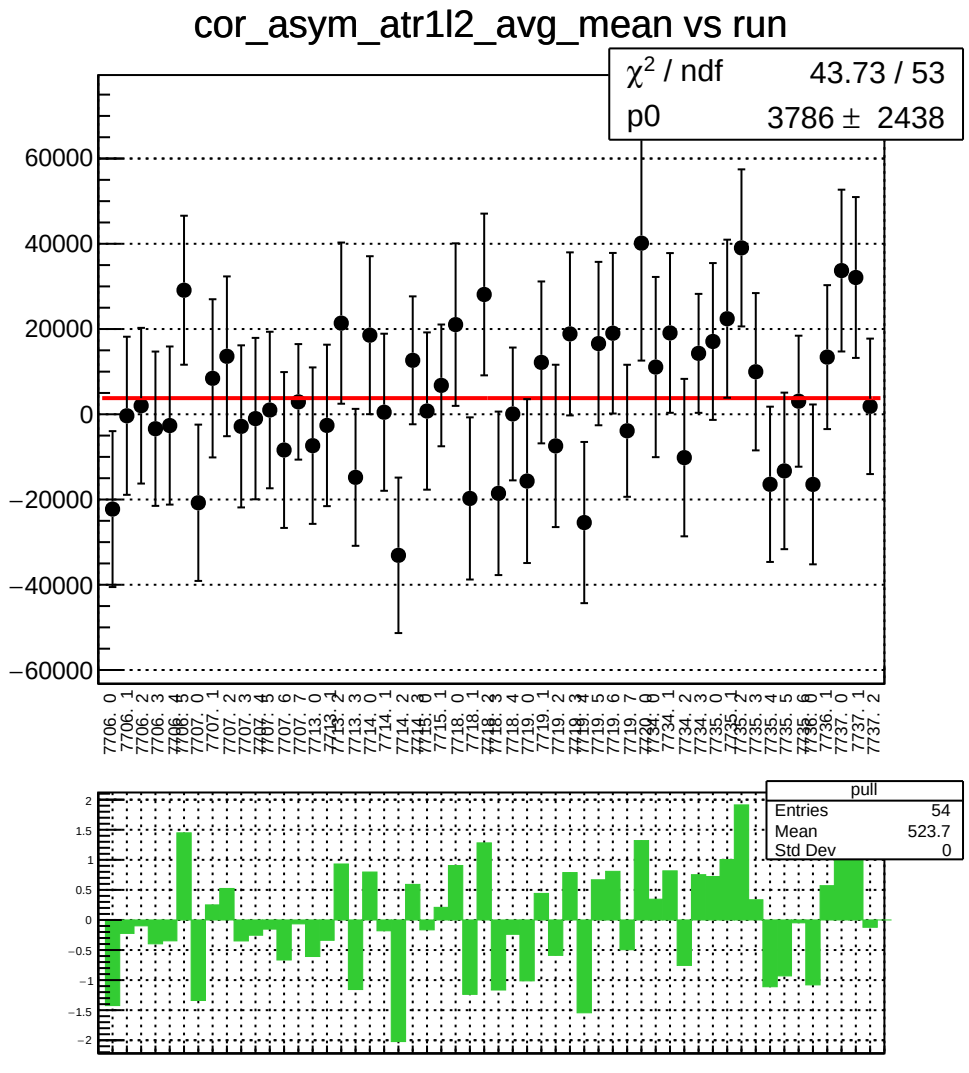

pull1D
Entries 54
Mean 0.007386
Std Dev 0.8999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

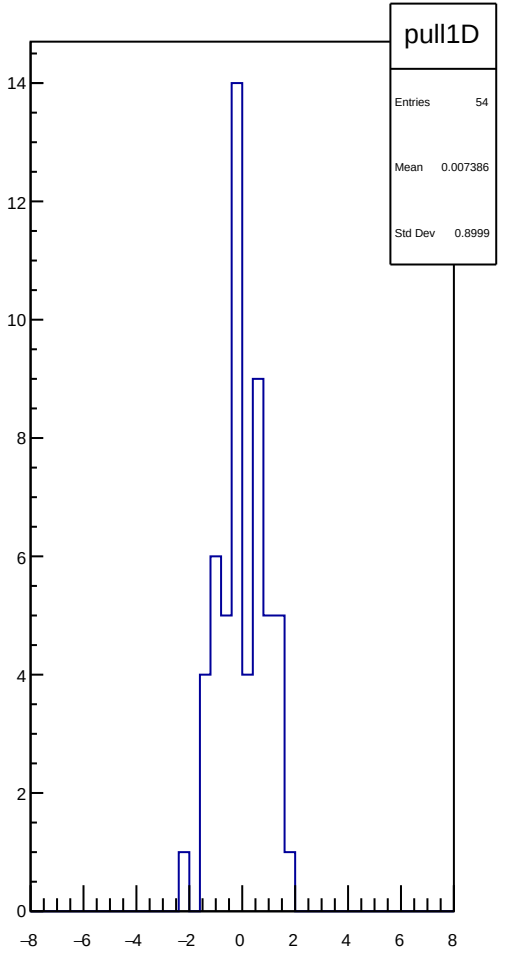

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 573.8 / 53
p0 1776 ± 1.724
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

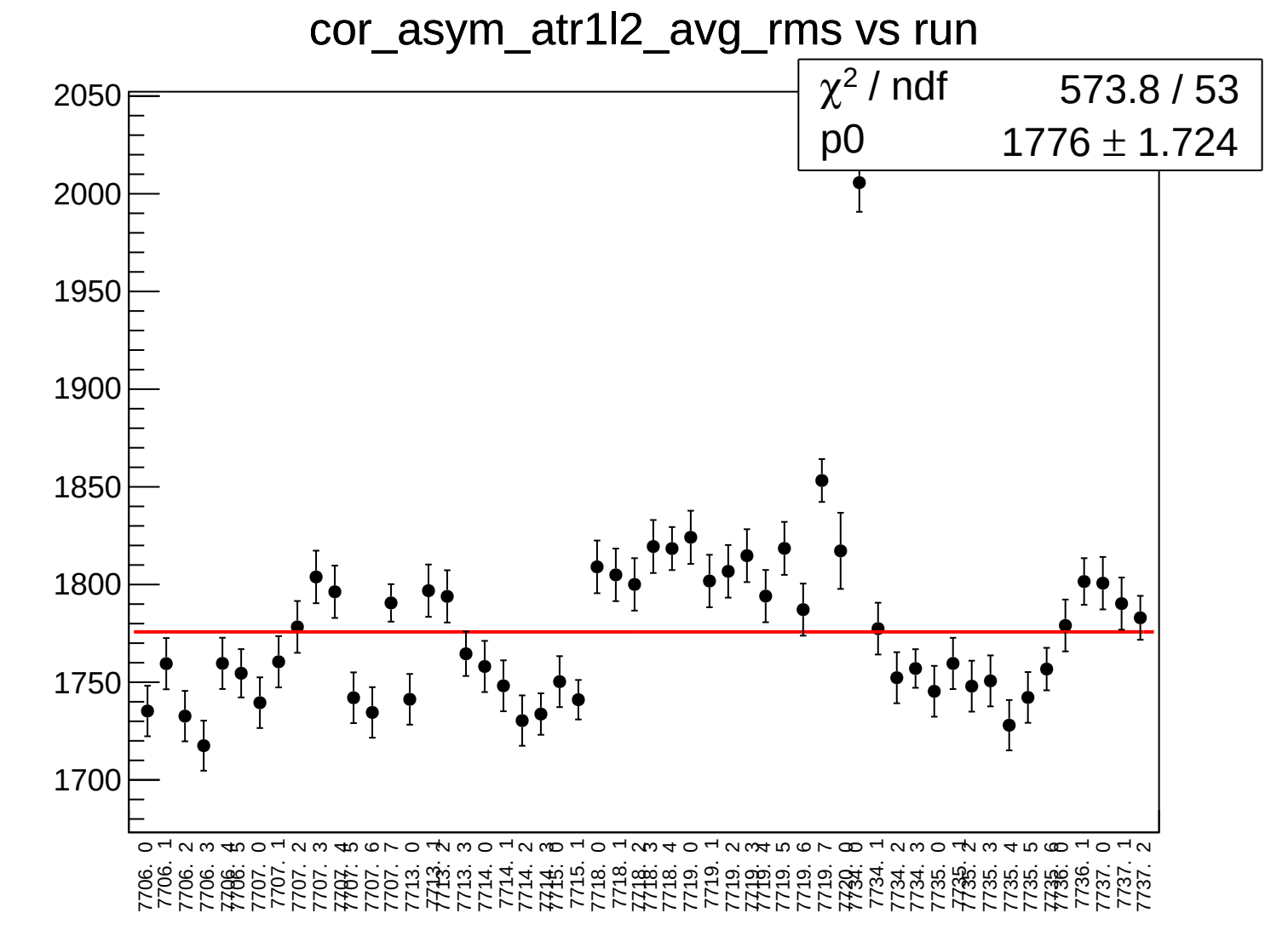

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.12 / 53
p0 −629.8 ± 6739
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 94.26
Std Dev 0
2
1
0
−1
−2
−3

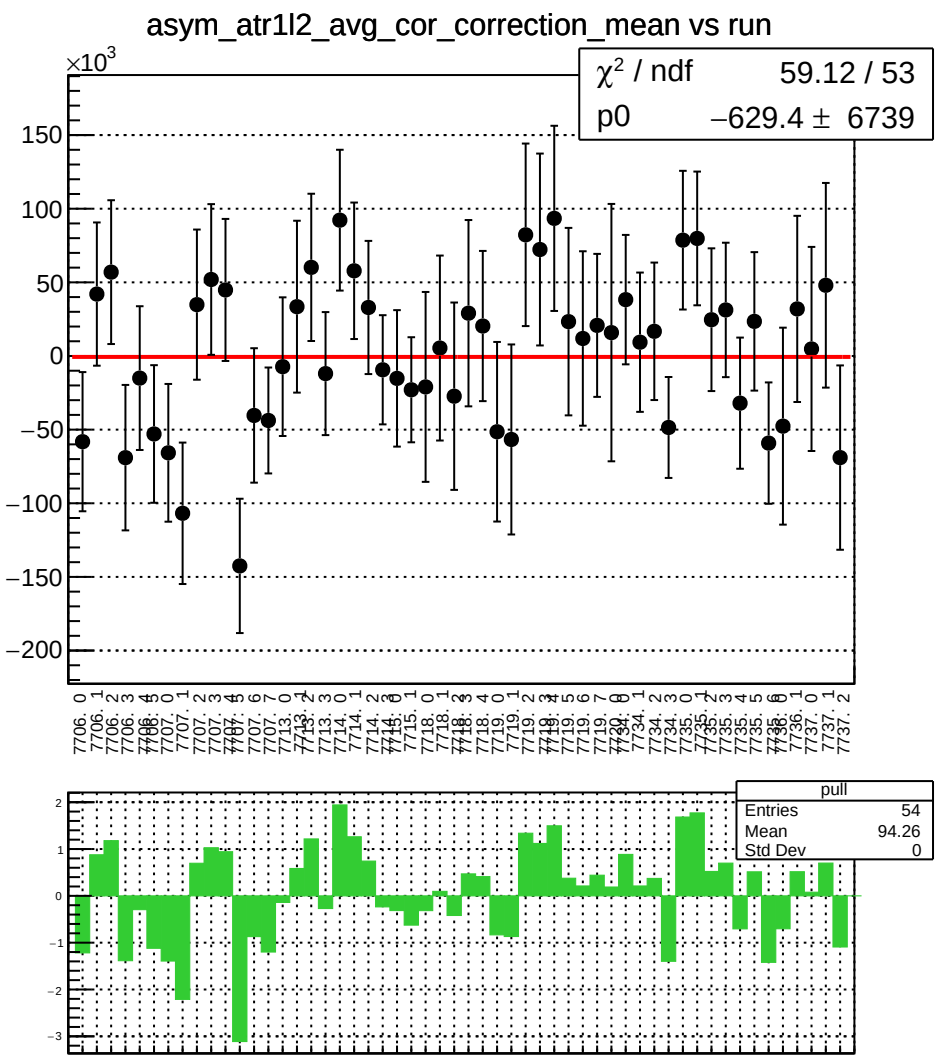

pull1D
Entries 54
Mean 0.04491
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

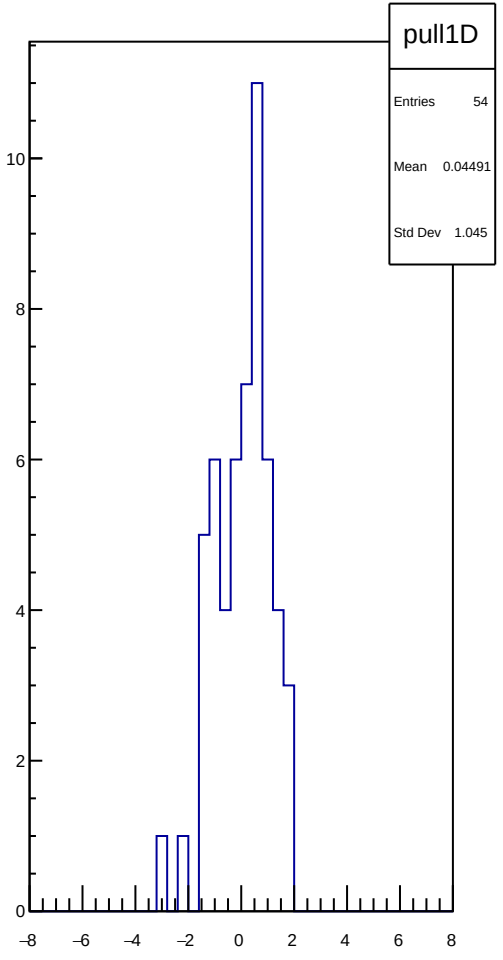

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2.247e+04 / 53
p0 4858 ± 4.765
7000
6500
6000
5500
5000
4500
4000

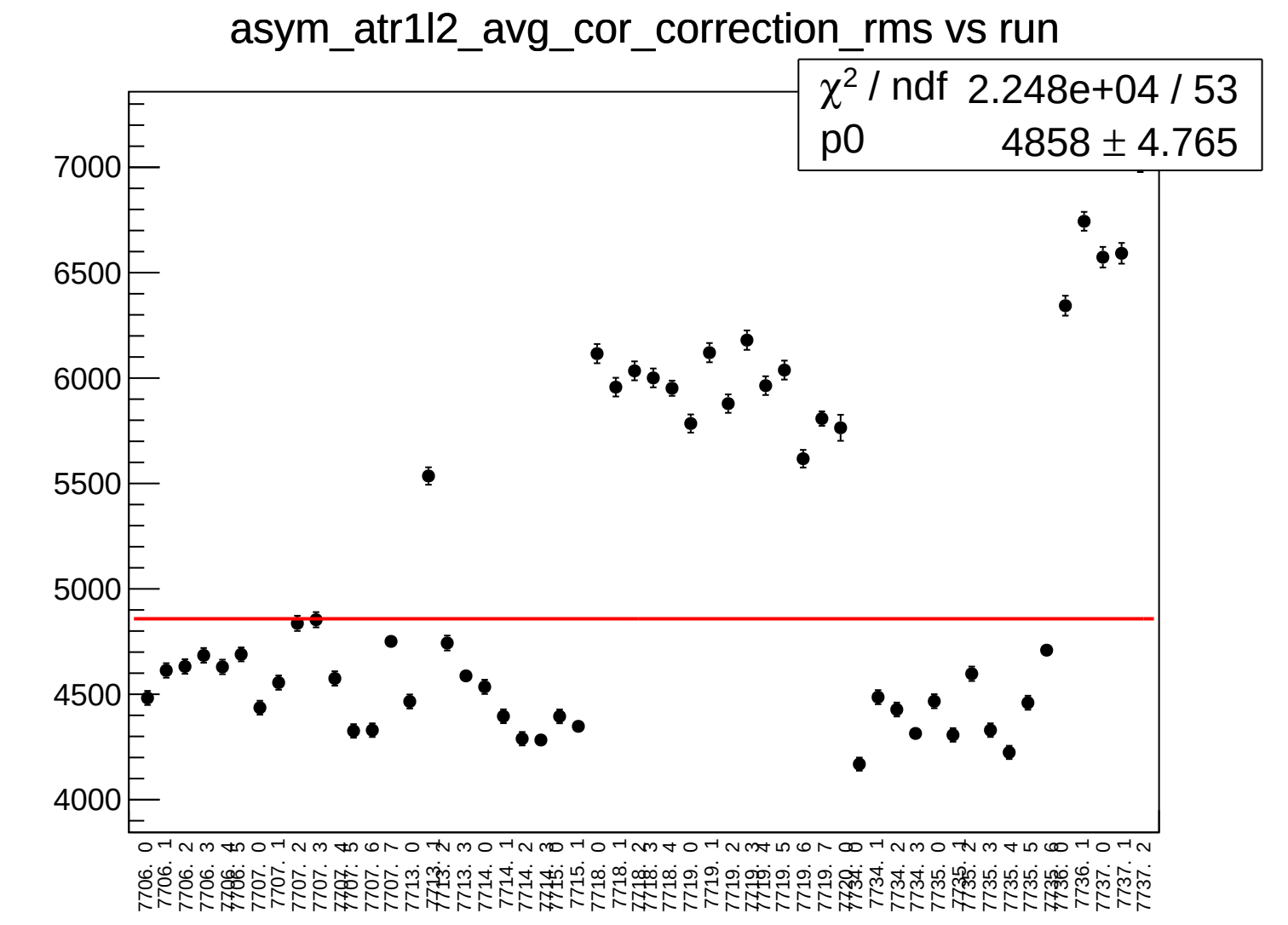

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 43.73 / 53
p0 3786 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 523.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

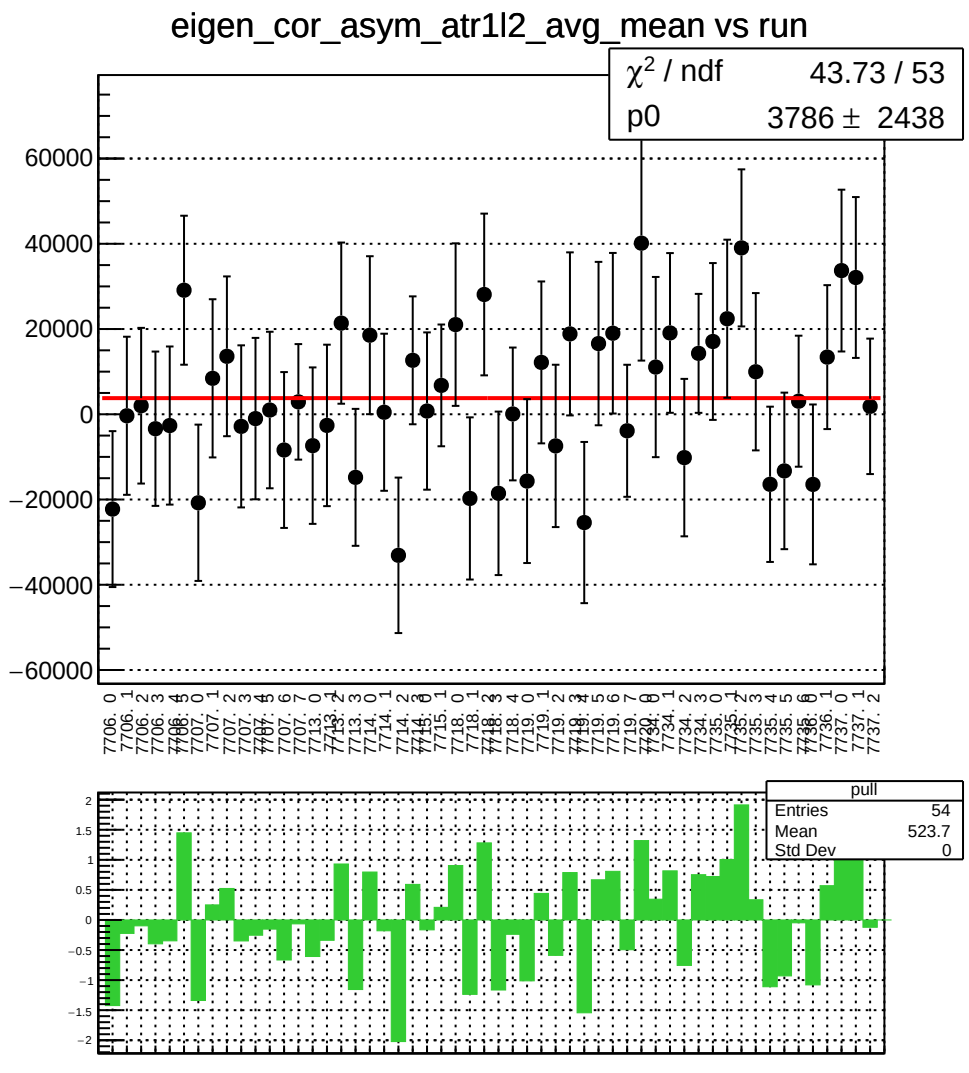

pull1D
Entries 54
Mean 0.007386
Std Dev 0.8999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

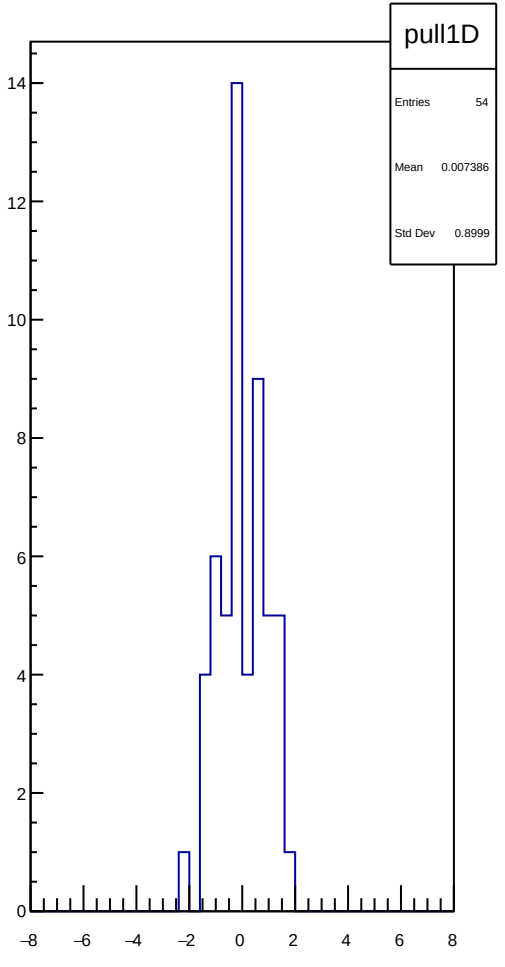

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 573.8 / 53
p0 1776 ± 1.724
2050
2000
1950
1900
1850
1800
1750
1700

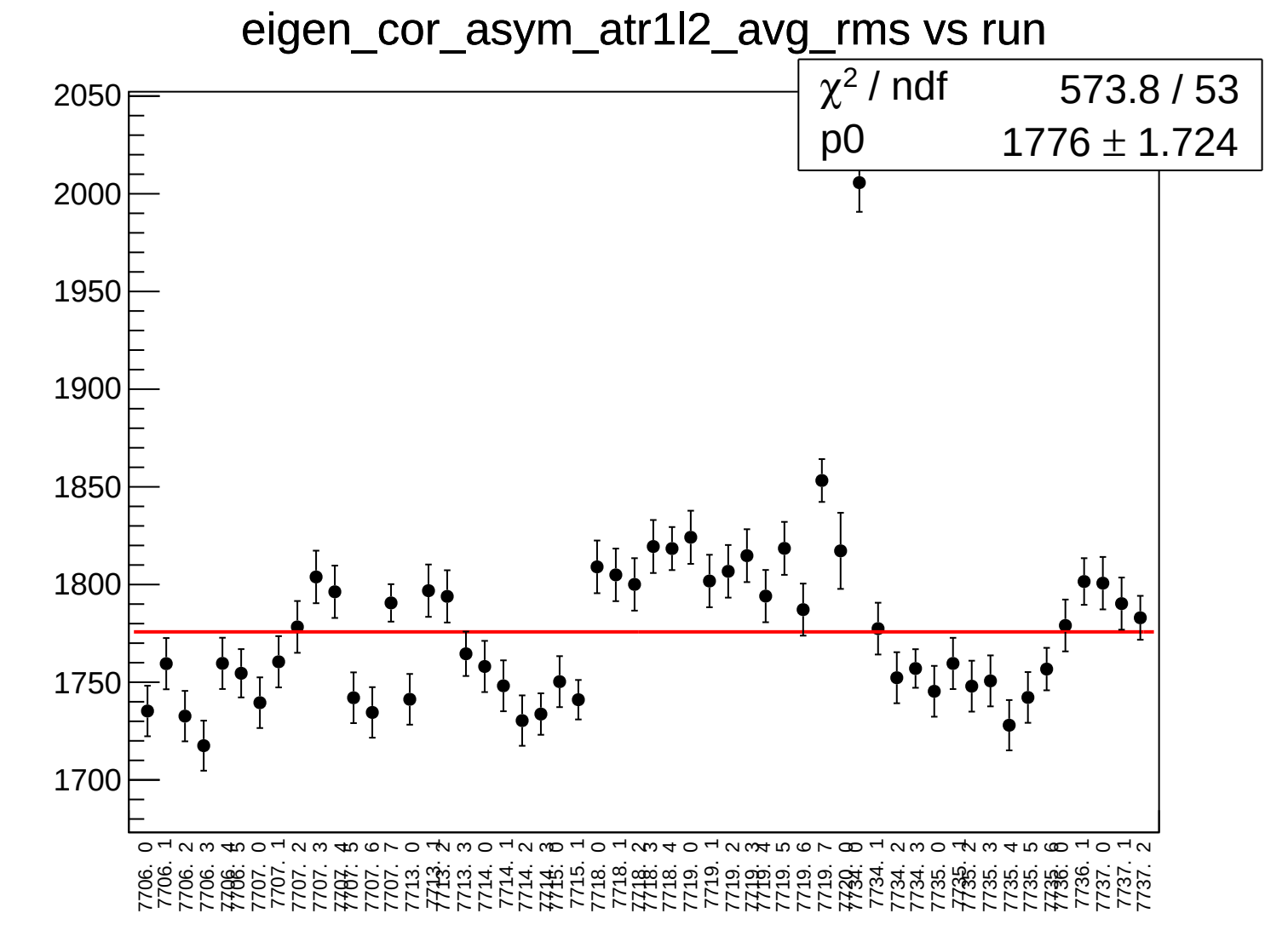

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.12 / 53
p0 −629.4 ± 6739
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 94.26
Std Dev 0
2
1
0
−1
−2
−3

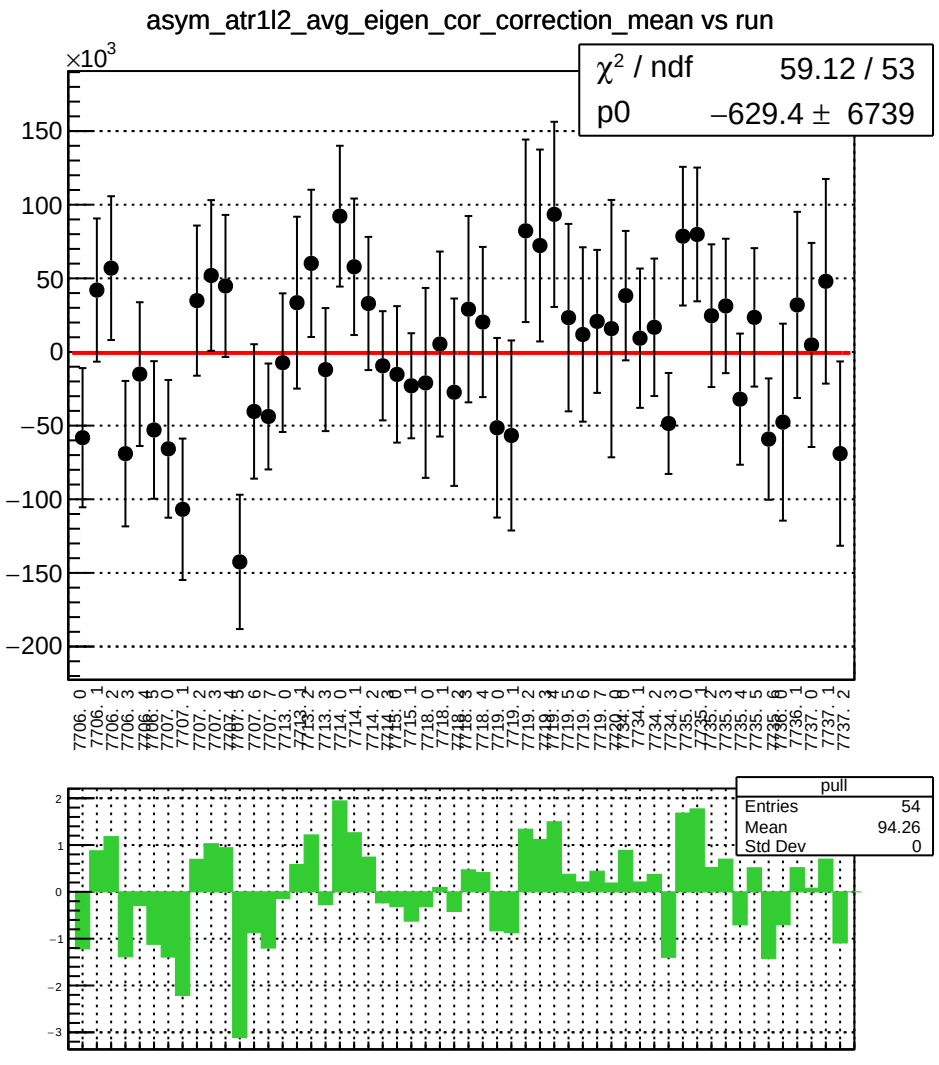

pull1D
Entries 54
Mean 0.04491
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

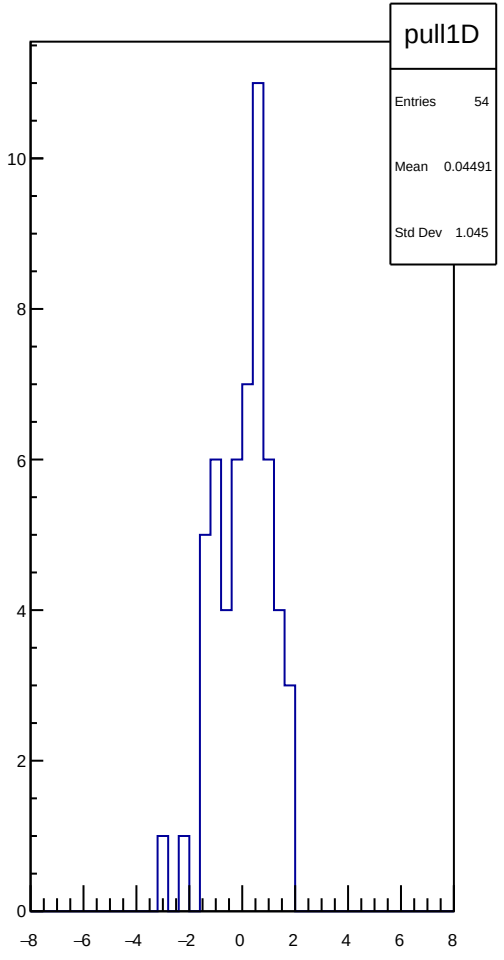

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2.248e+04 / 53
p0 4858 ± 4.765
7000
6500
6000
5500
5000
4500
4000

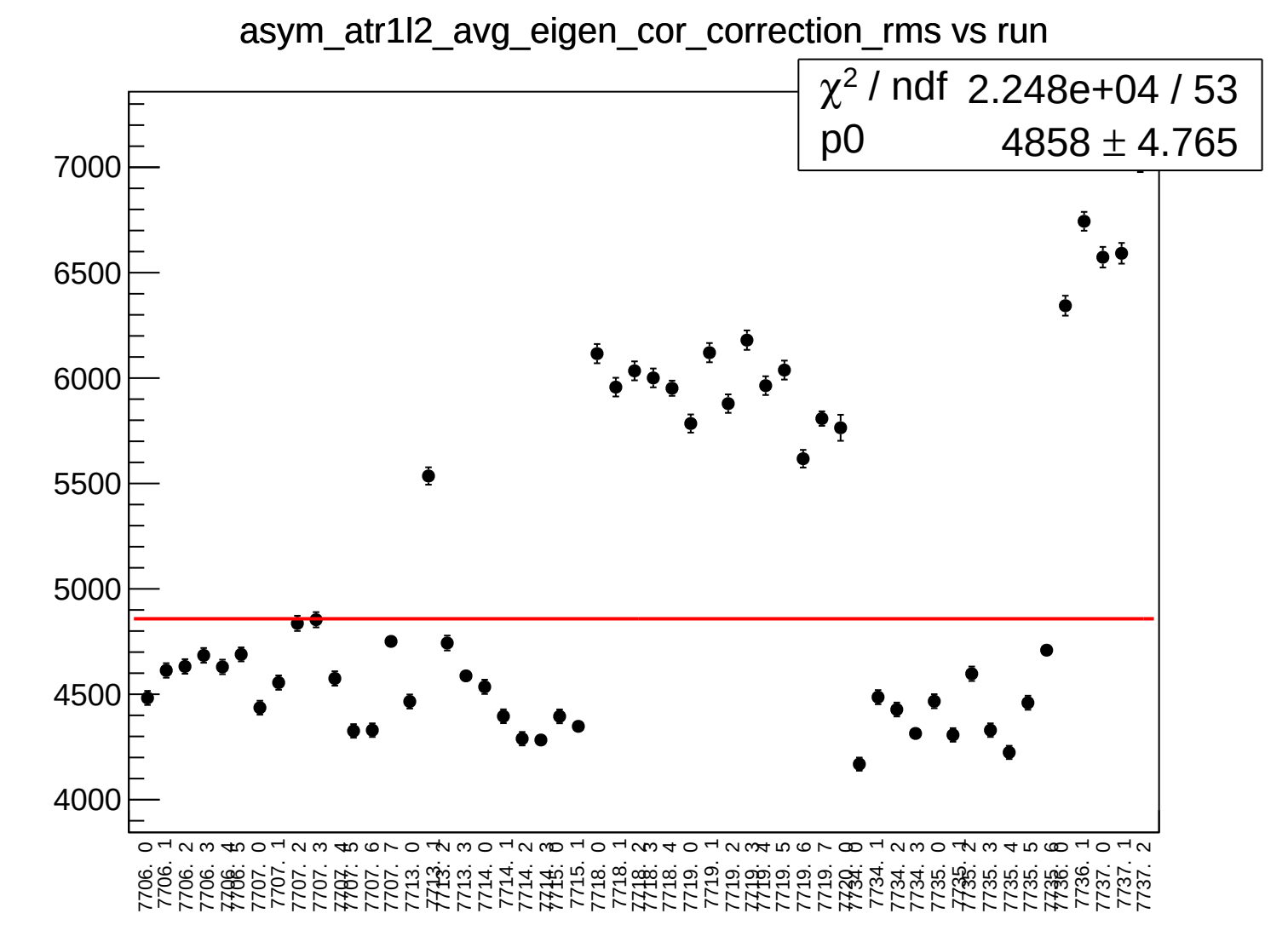

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 43.73 / 53
p0 3786 ± 2438
pull
Entries 54
Mean 523.7
Std Dev 0

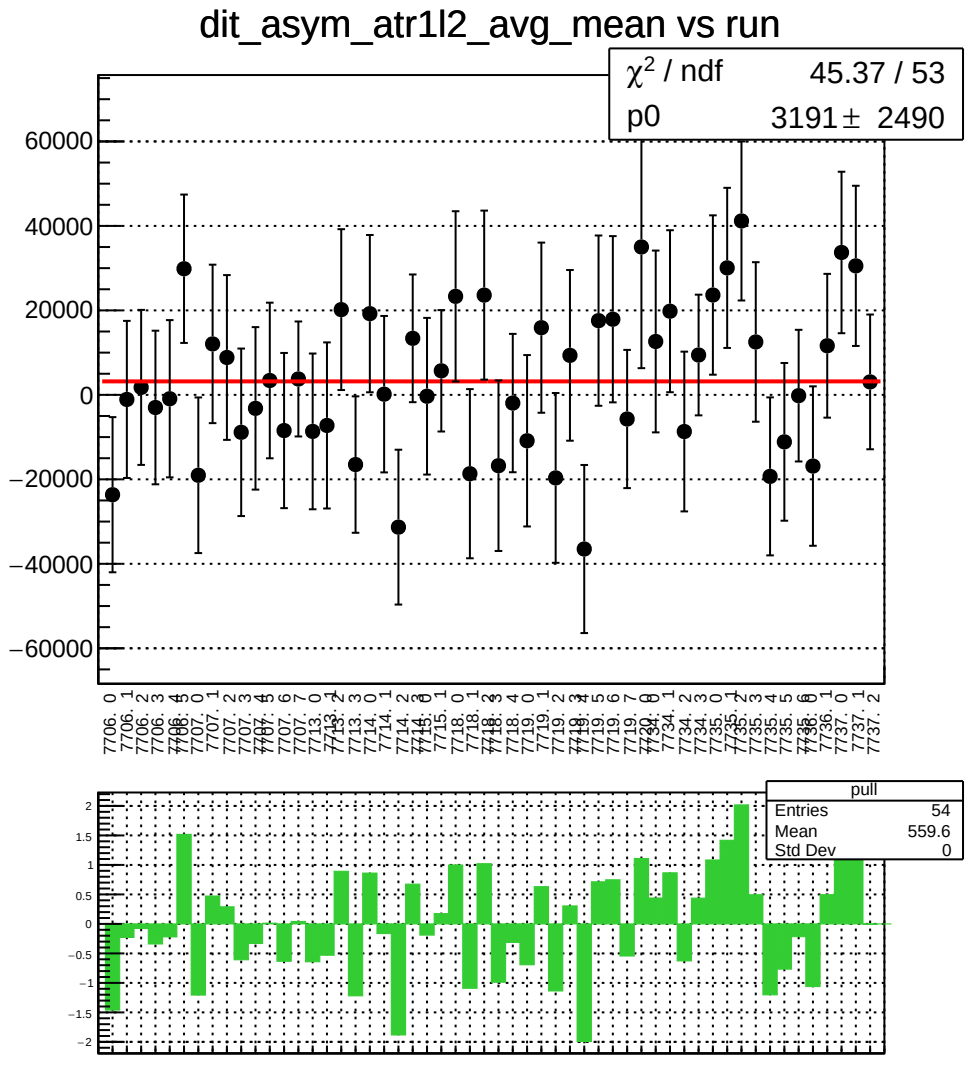

pull1D
Entries 54
Mean 0.007386
Std Dev 0.8999

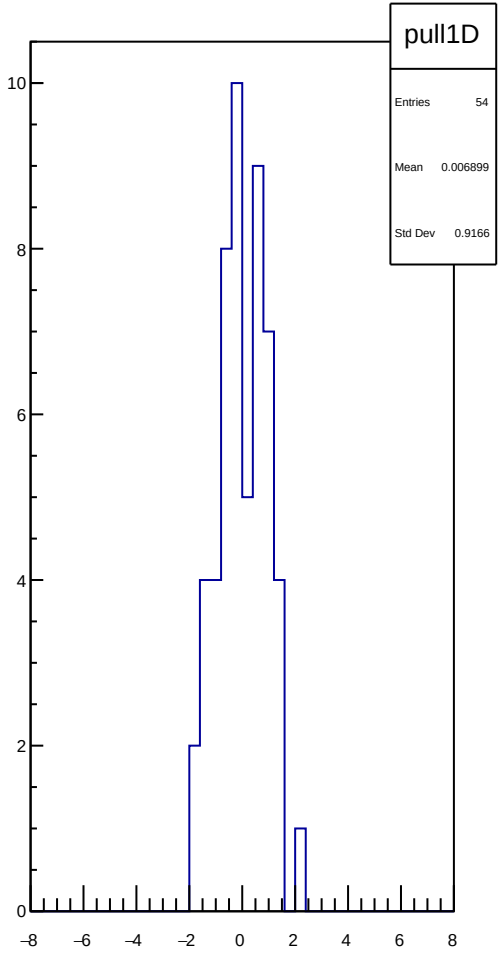

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 573.8 / 53
p0 1776 ± 1.724
2050
2000
1950
1900
1850
1800
1750
1700

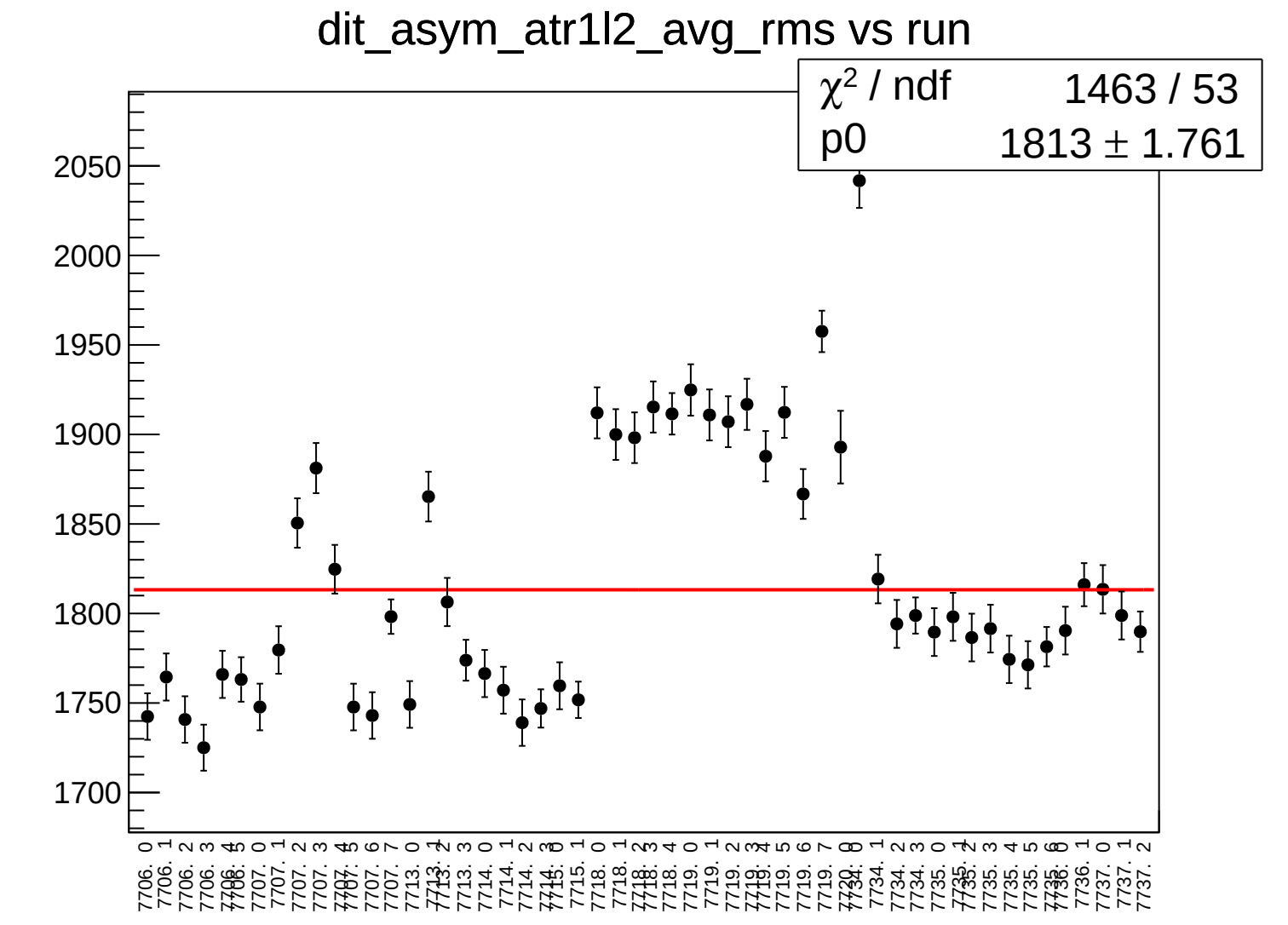

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.12 / 53
p0 −629.4 ± 6739
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 94.26
Std Dev 0
2
1
0
−1
−2
−3

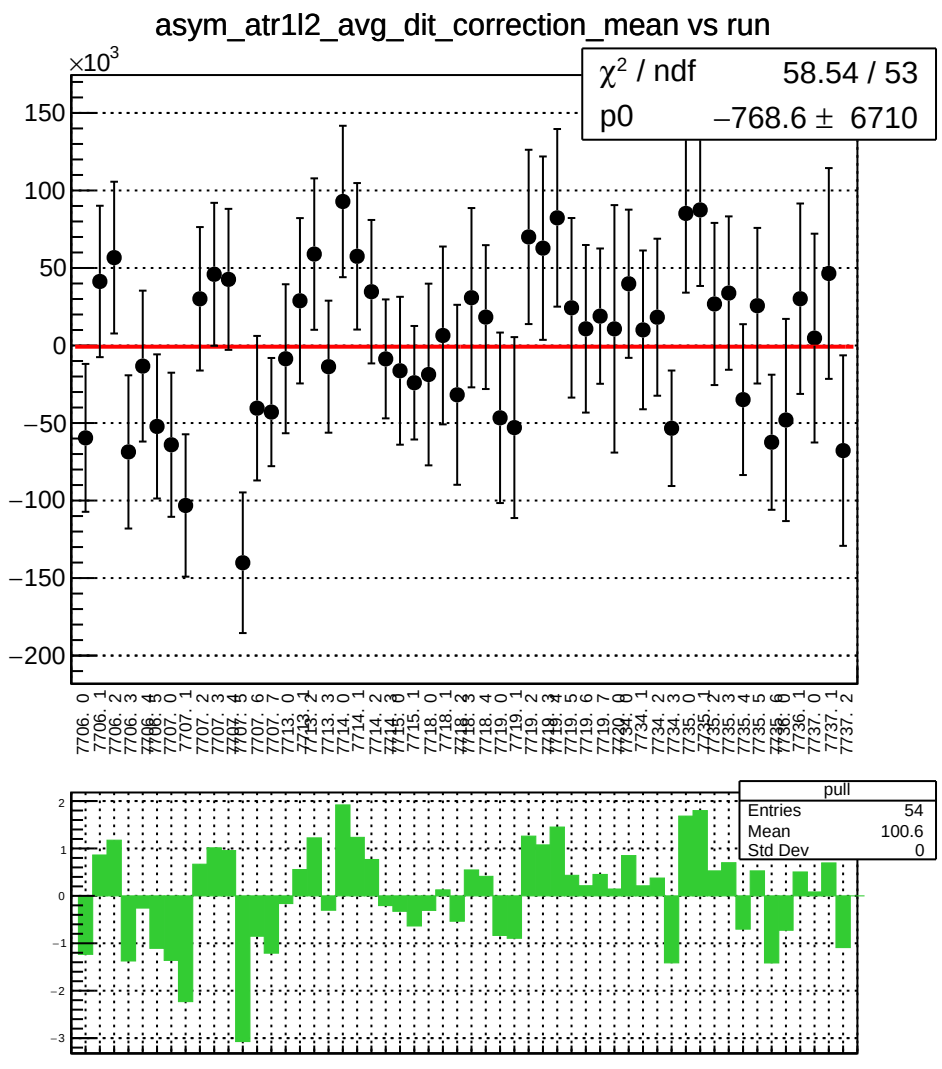

pull1D
Entries 54
Mean 0.04491
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

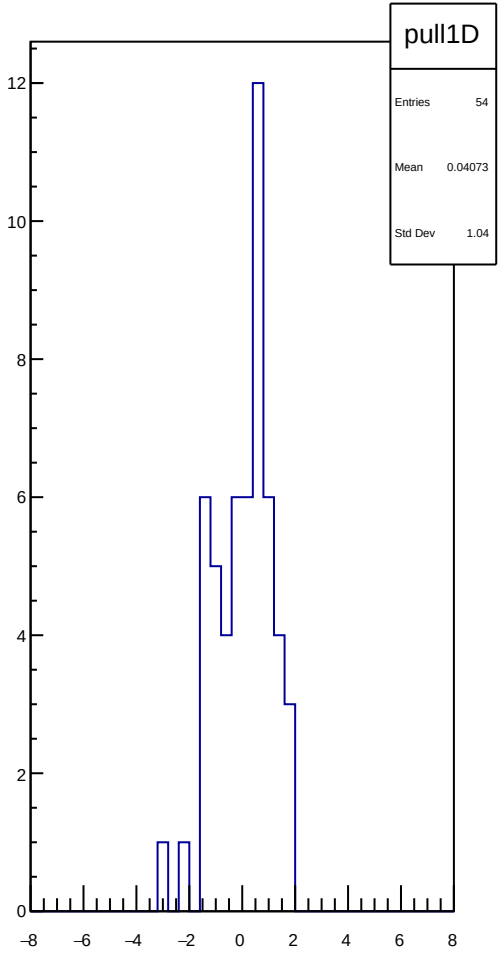

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.248e+04 / 53
p0 4858 ± 4.765
7000
6500
6000
5500
5000
4500
4000

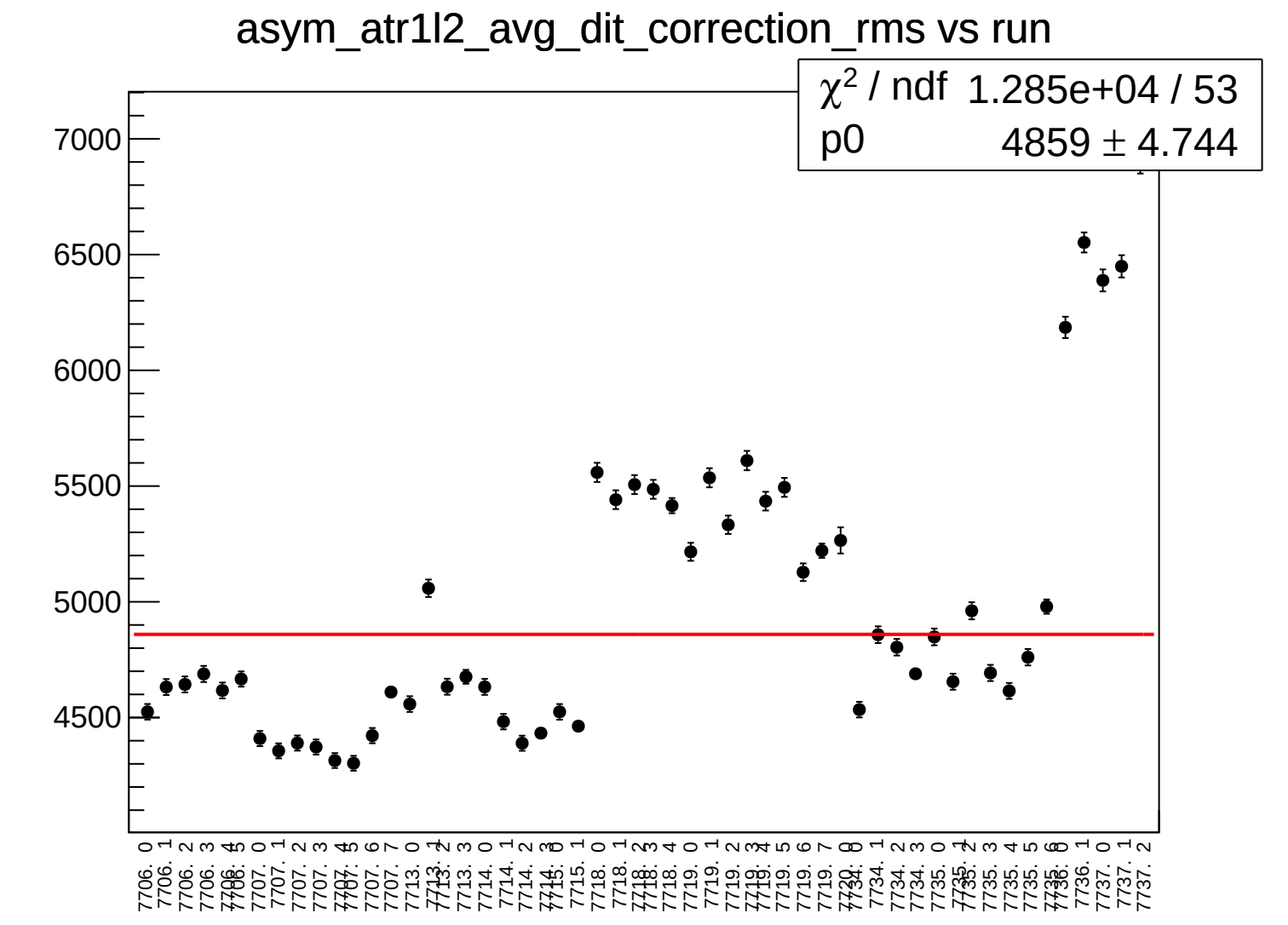

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 45.37 / 53
p0 3191 ± 2490
pull
Entries 54
Mean 559.6
Std Dev 0

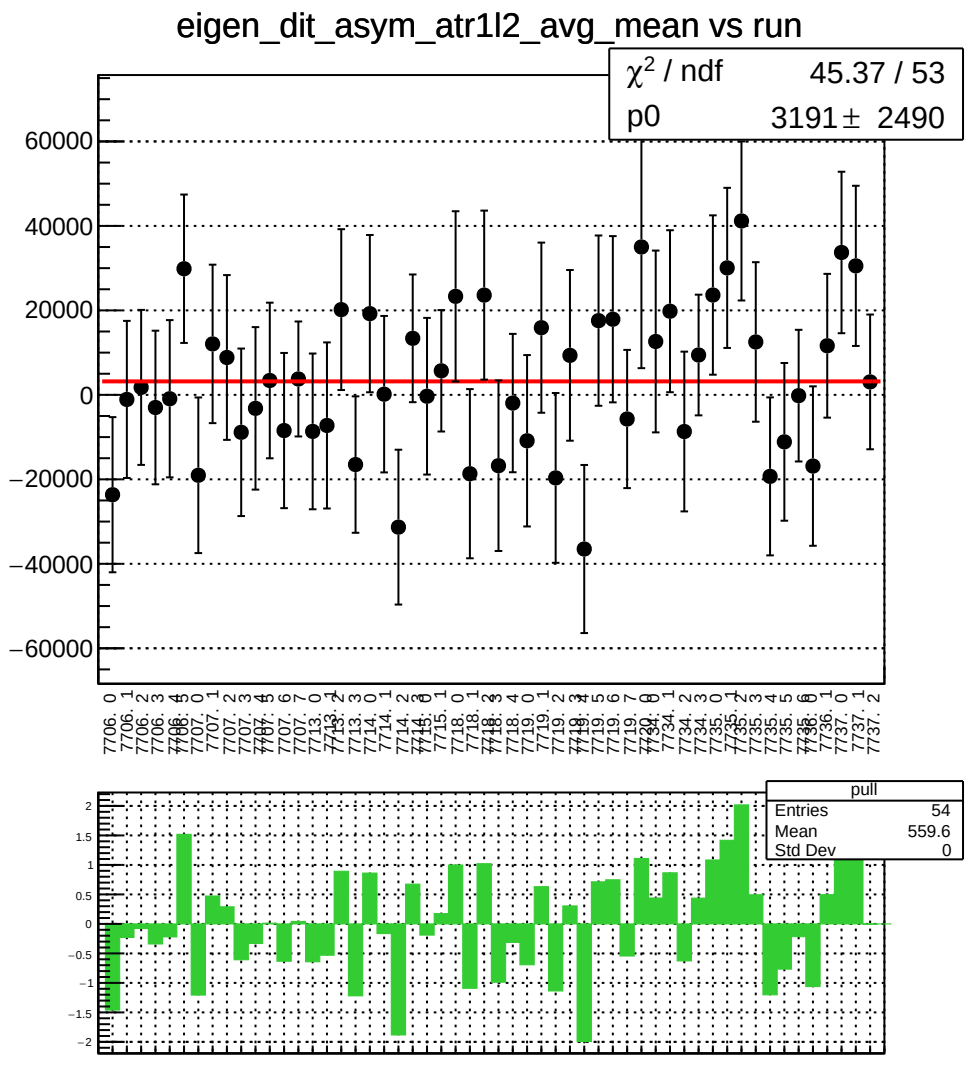

pull1D
Entries 54
Mean 0.006899
Std Dev 0.9166

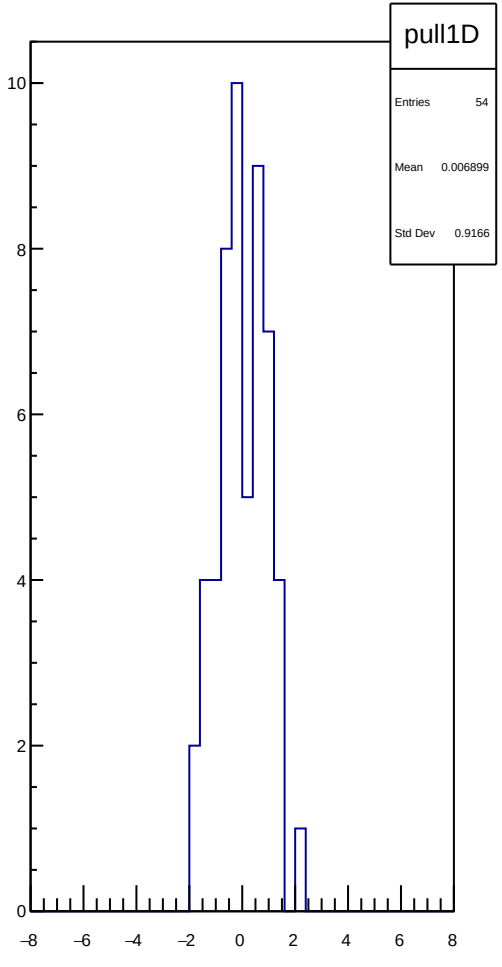

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 1463 / 53
p0 1813 ± 1.761
2050
2000
1950
1900
1850
1800
1750
1700

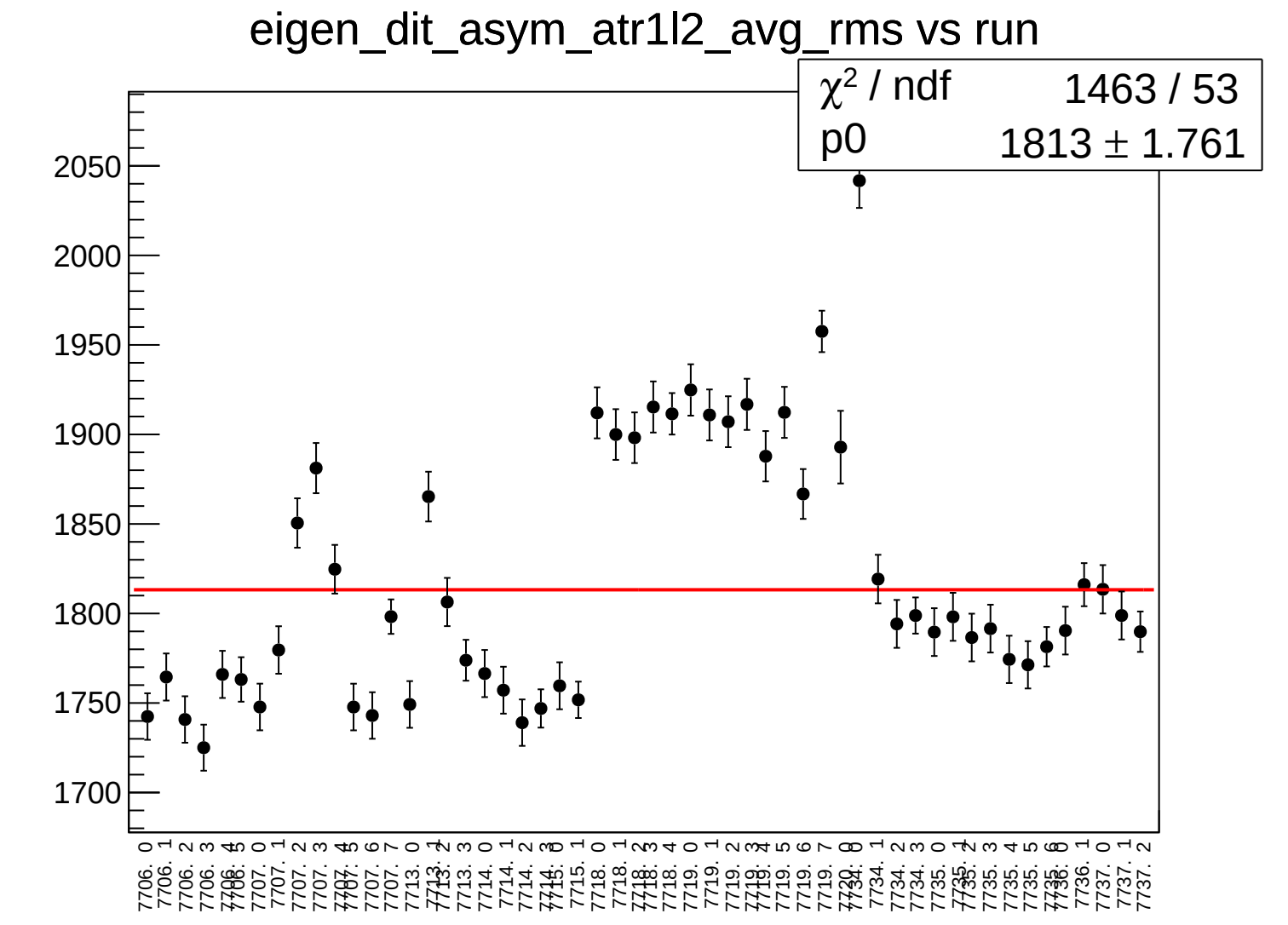

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.54 / 53
p0 −768.6 ± 6710
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 100.6
Std Dev 0
2
1
0
−1
−2
−3

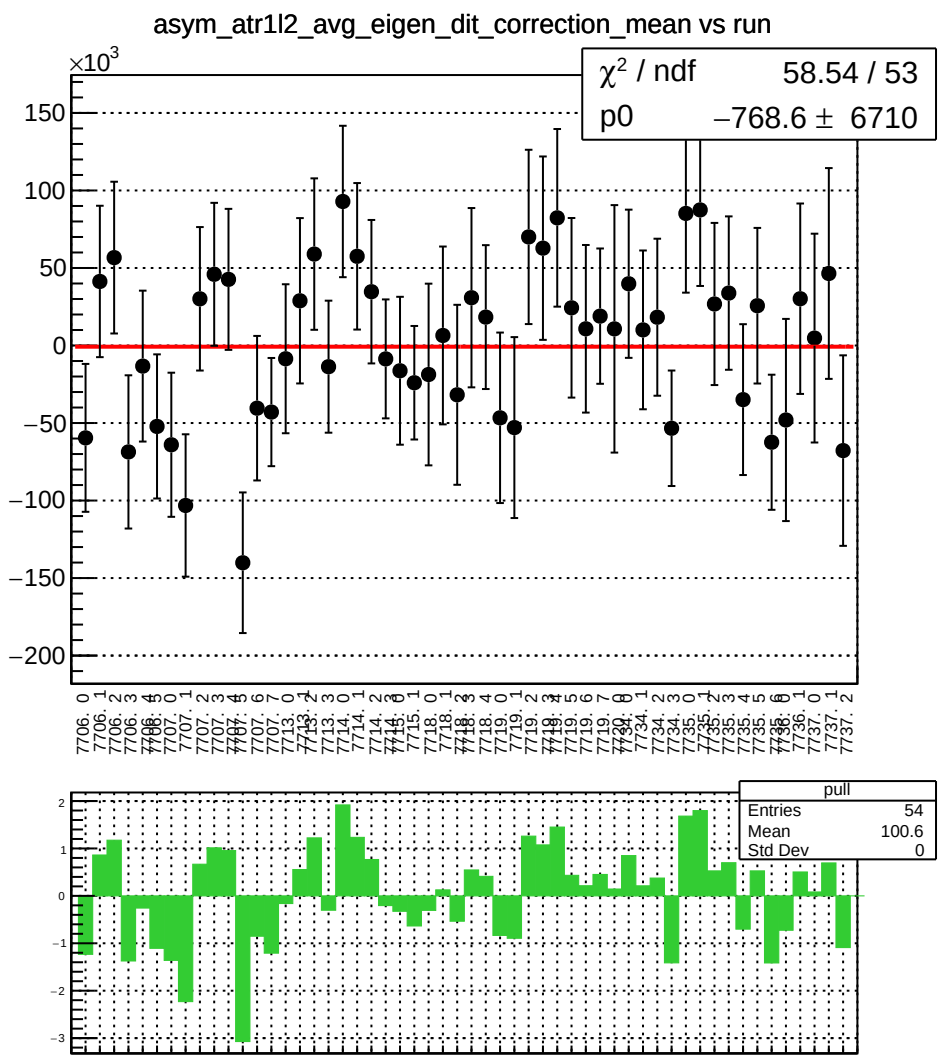

pull1D
Entries 54
Mean 0.04073
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

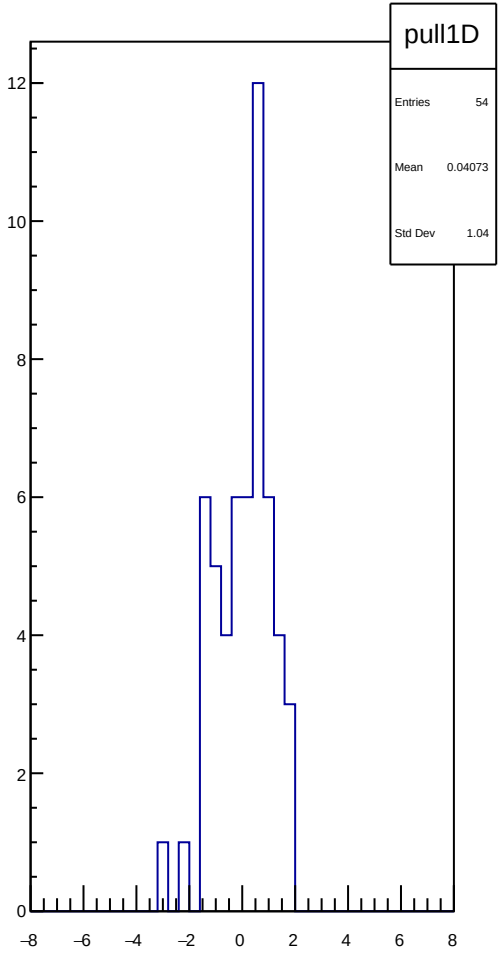

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1.285e+04 / 53
p0 4859 ± 4.744
7000
6500
6000
5500
5000
4500

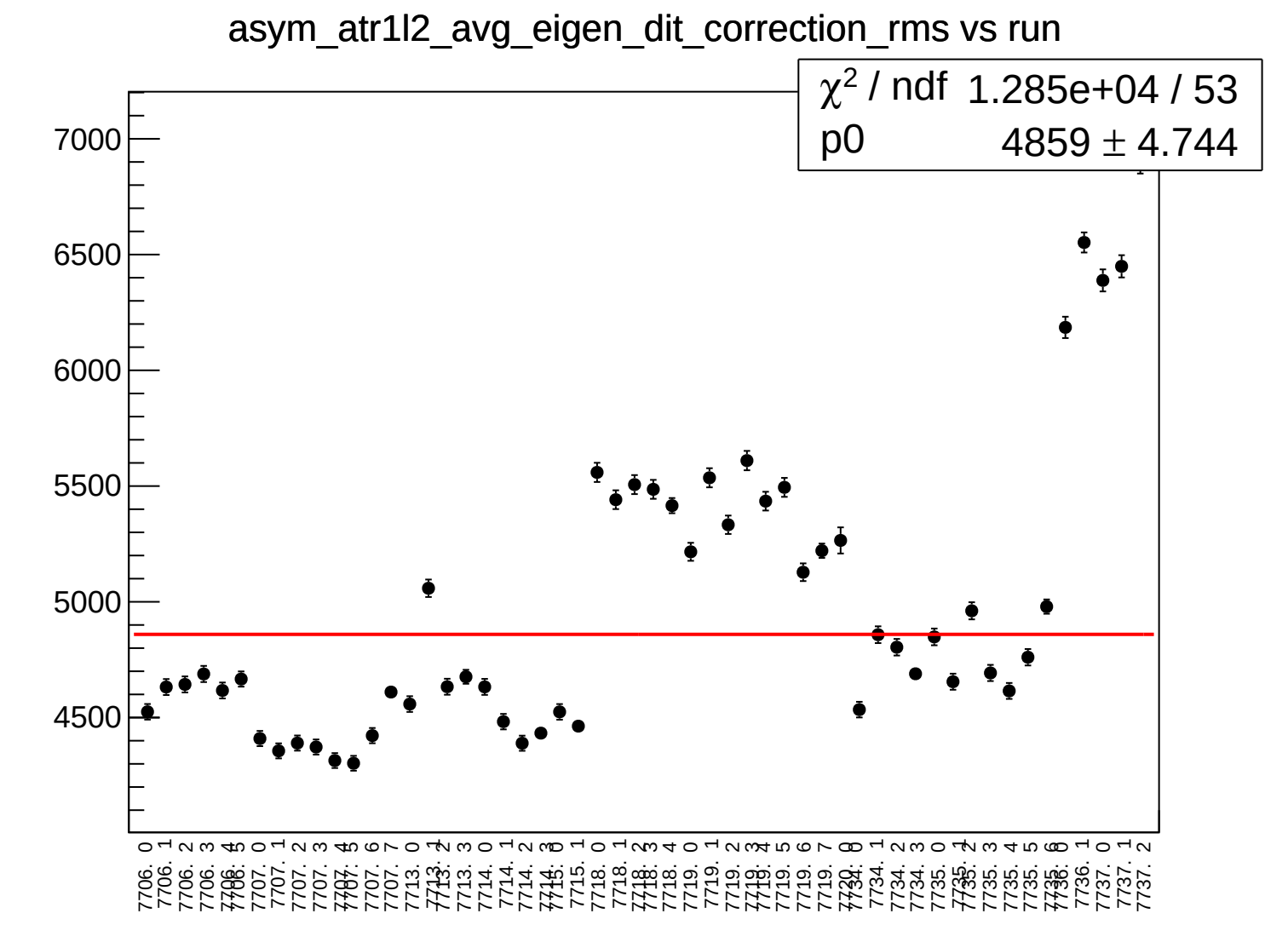

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 45.37 / 53
p0 3191 ± 2490
pull
Entries 54
Mean 559.6
Std Dev 0

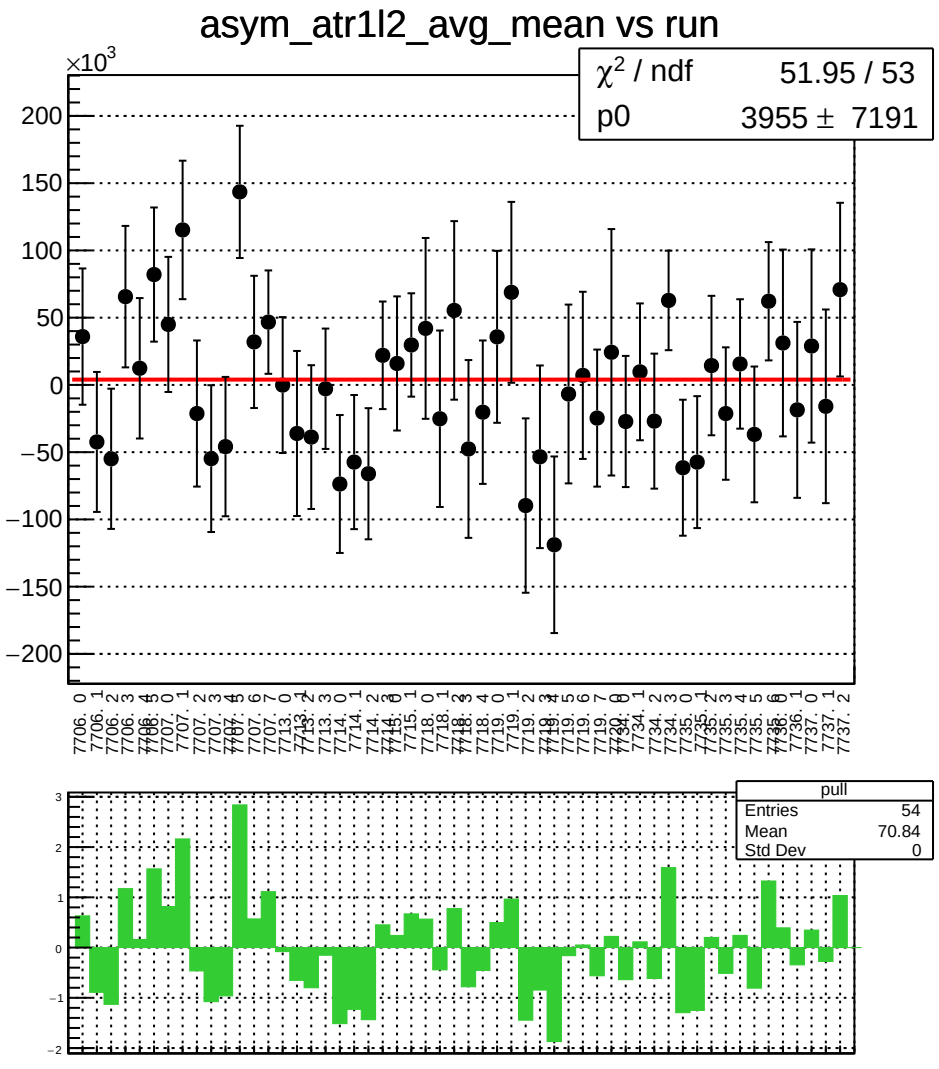

pull1D
Entries 54
Mean 0.006899
Std Dev 0.9166

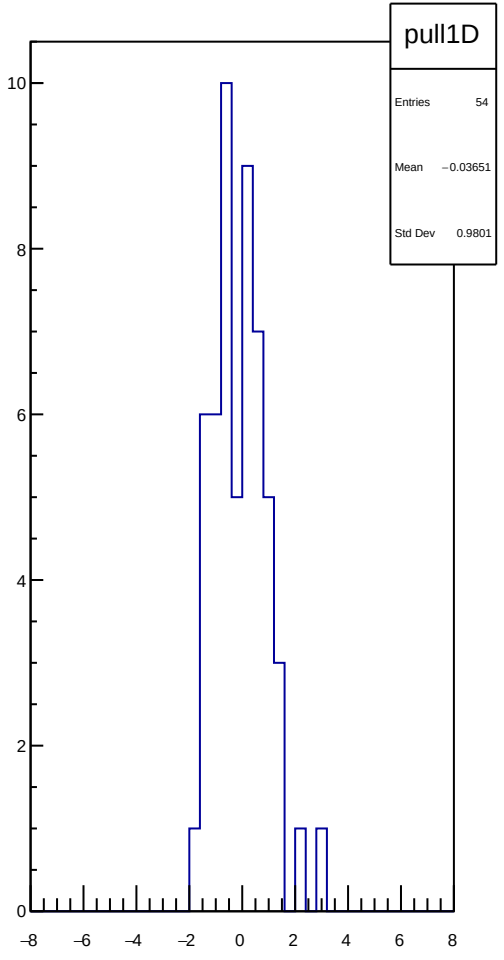

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 1463 / 53
p0 1813 ± 1.761
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

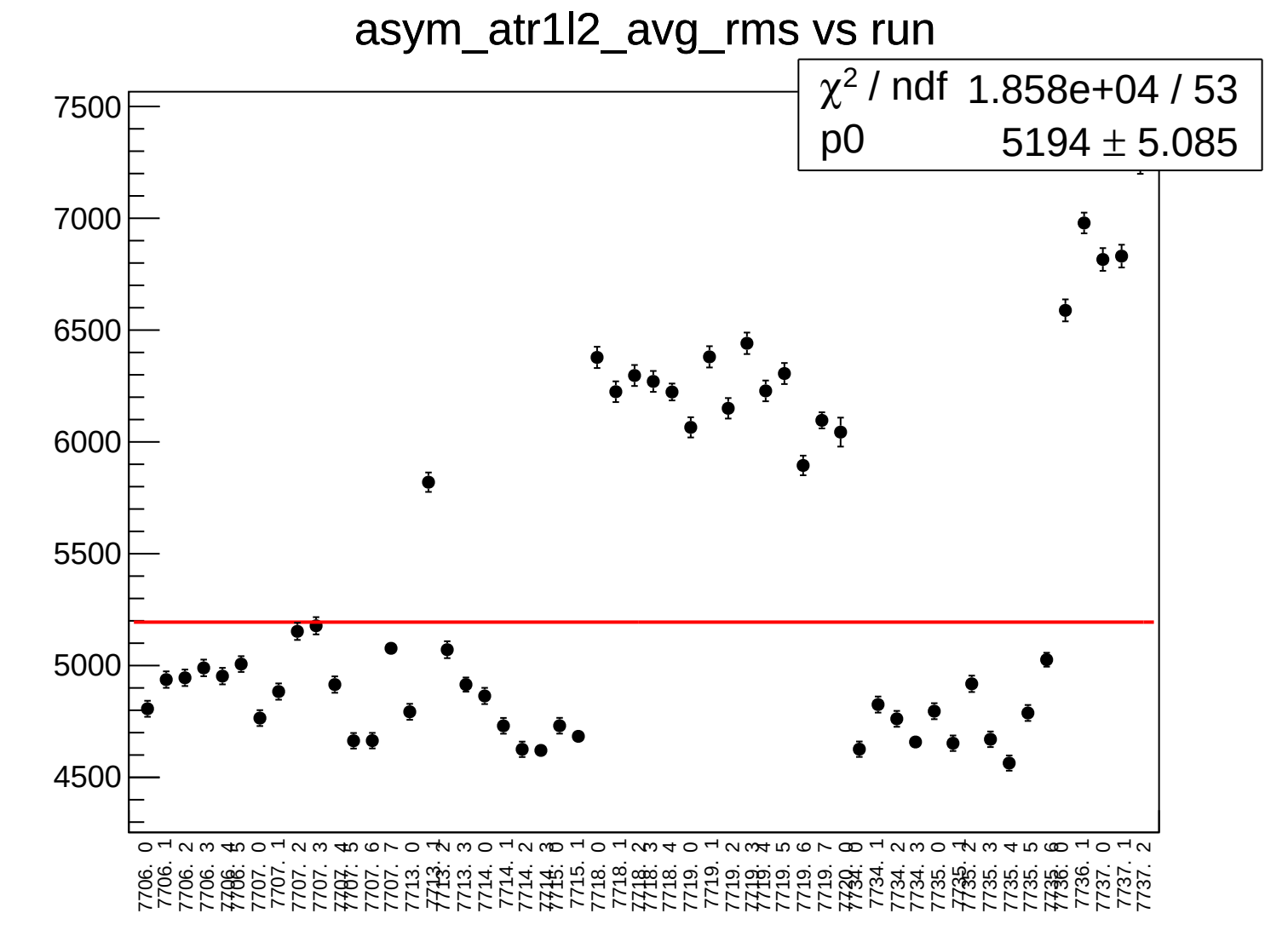

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.54 / 53
p0 −768.6 ± 6710
pull
Entries 54
Mean 100.6
Std Dev 0

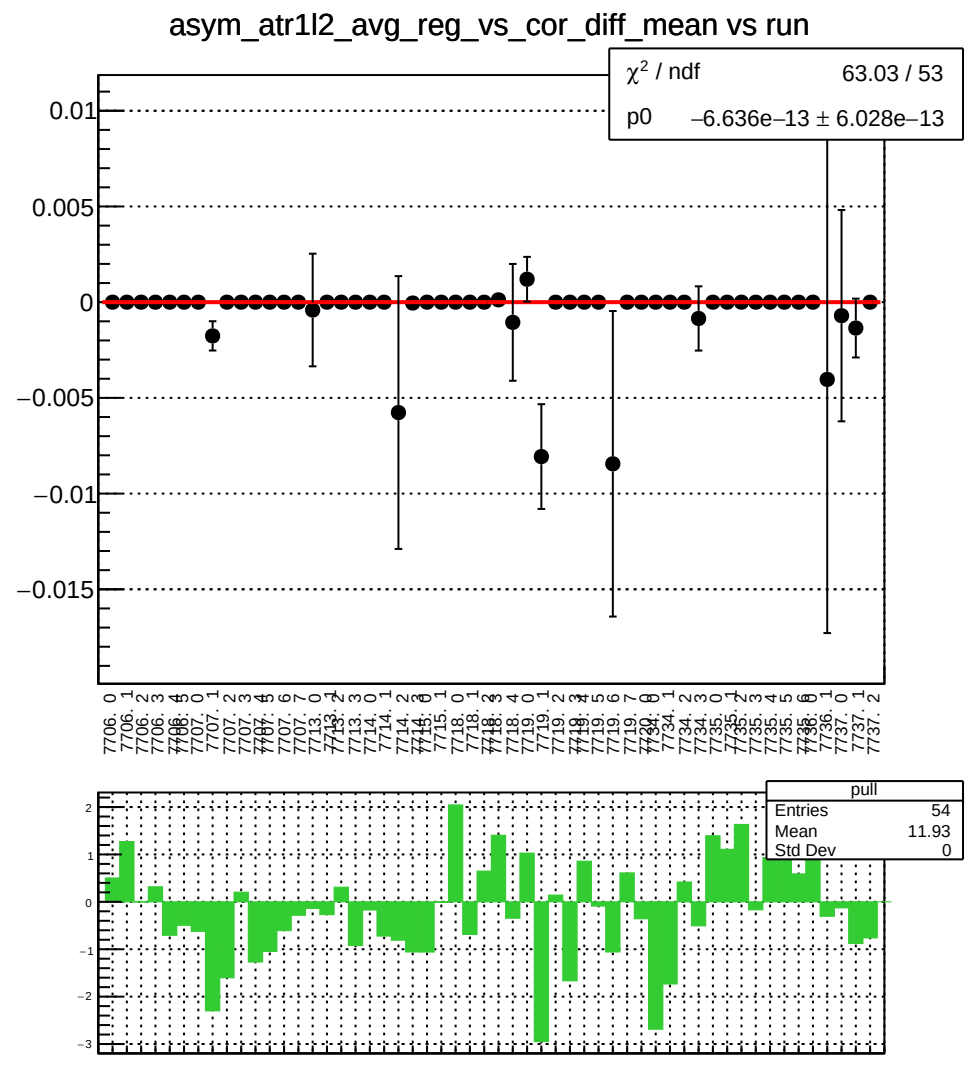

pull1D
Entries 54
Mean 0.04073
Std Dev 1.04

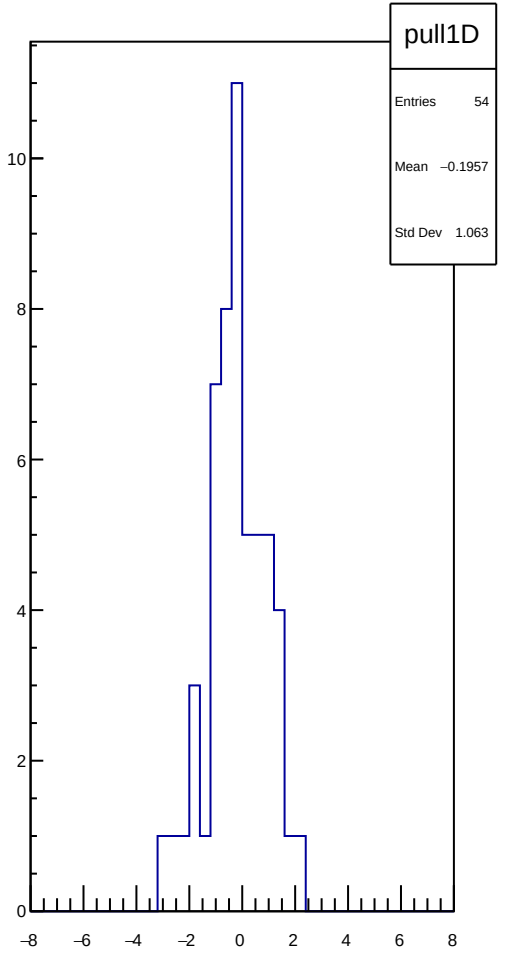

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.285e+04 / 53
p0 4859 ± 4.744
7000
6500
6000
5500
5000
4500

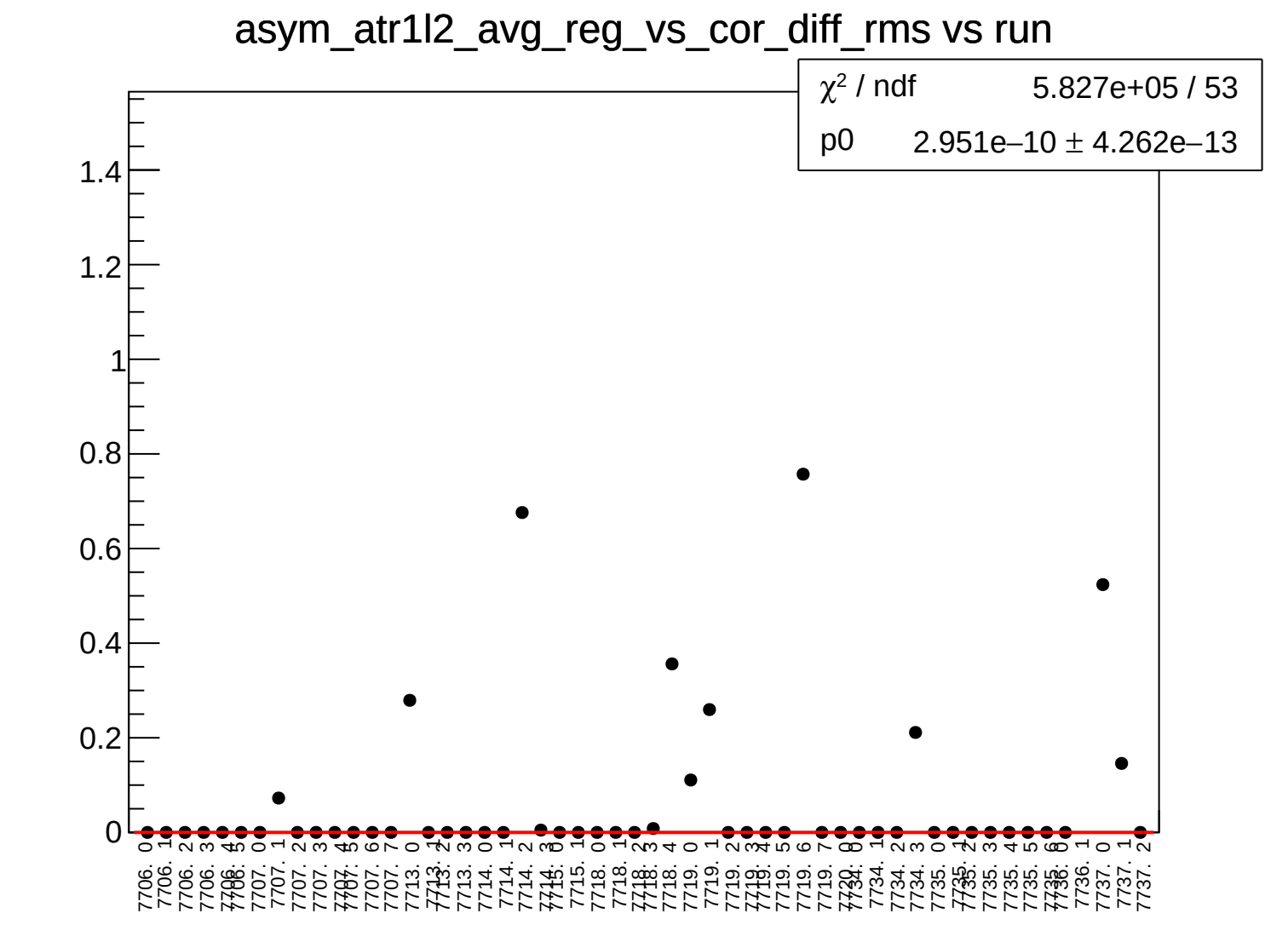

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 51.95 / 53
p0 3955 ± 7191
pull
Entries 54
Mean 70.84
Std Dev 0

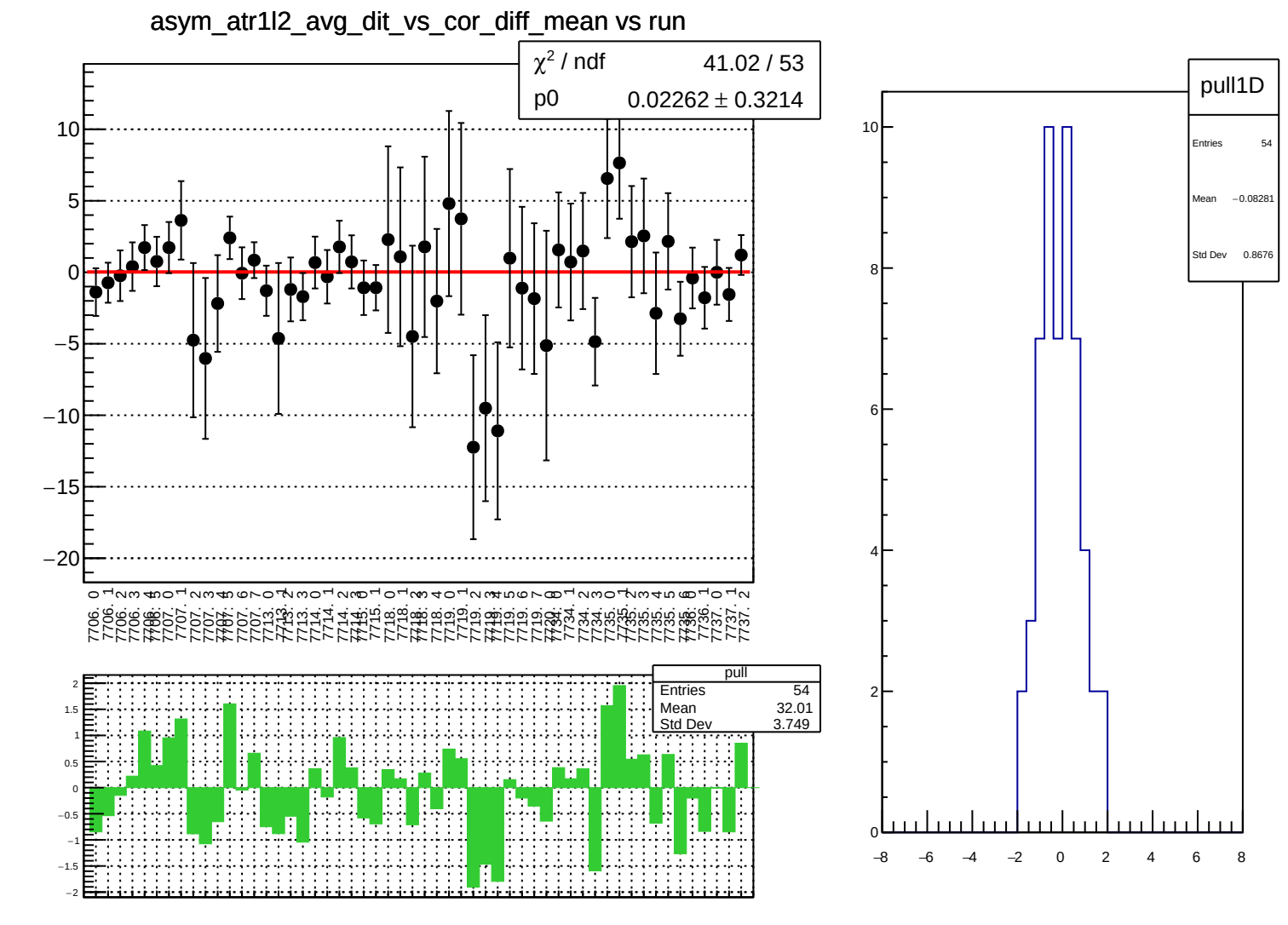

pull1D
Entries 54
Mean −0.03651
Std Dev 0.9801

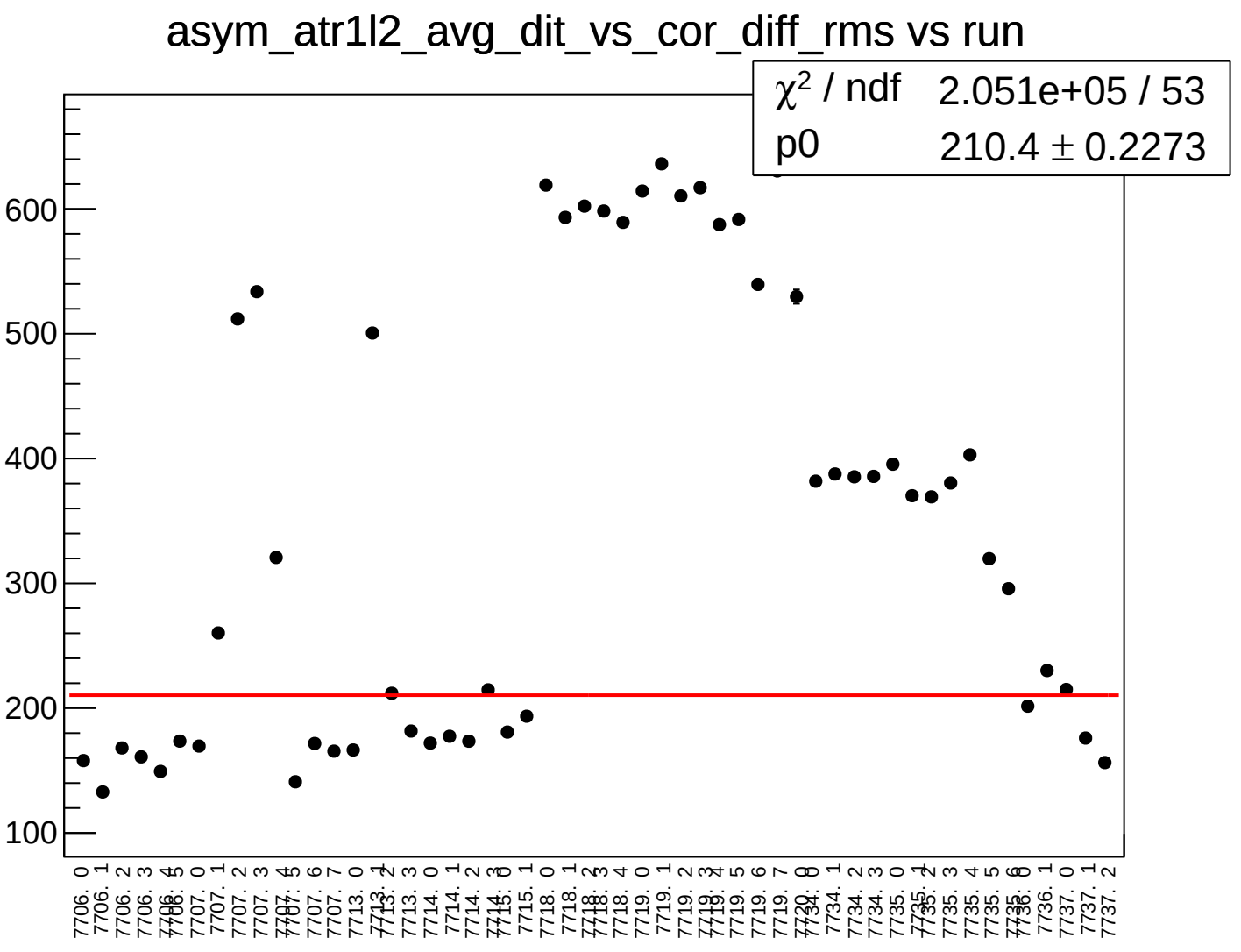

asym_atr1l2_avg_rms vs run
χ² / ndf 1.858e+04 / 53
p0 5194 ± 5.085
7500
7000
6500
6000
5500
5000
4500

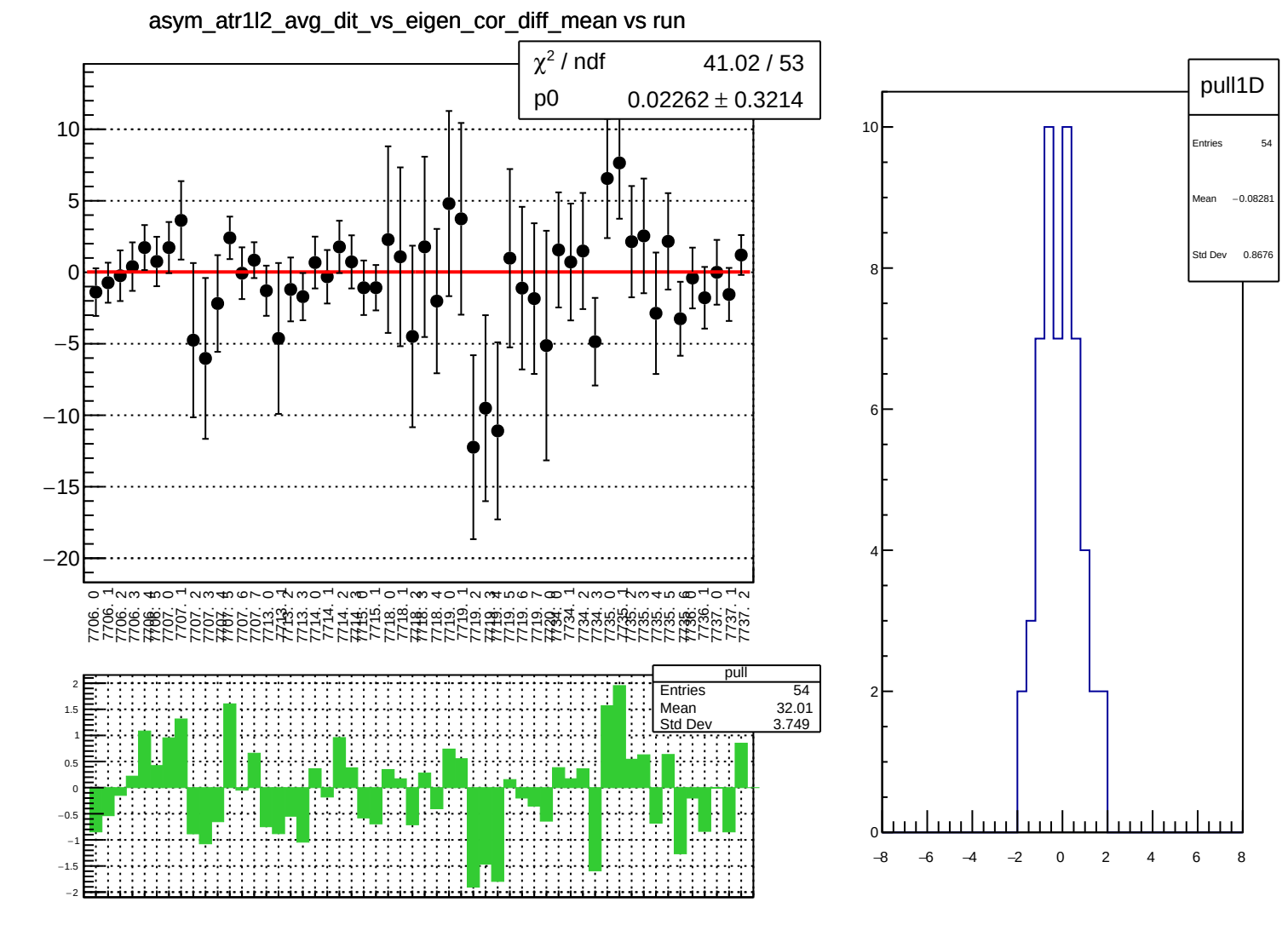

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.03 / 53
p0 −6.636e−13 ± 6.028e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 11.93
Std Dev 0
2
1
0
−1
−2
−3

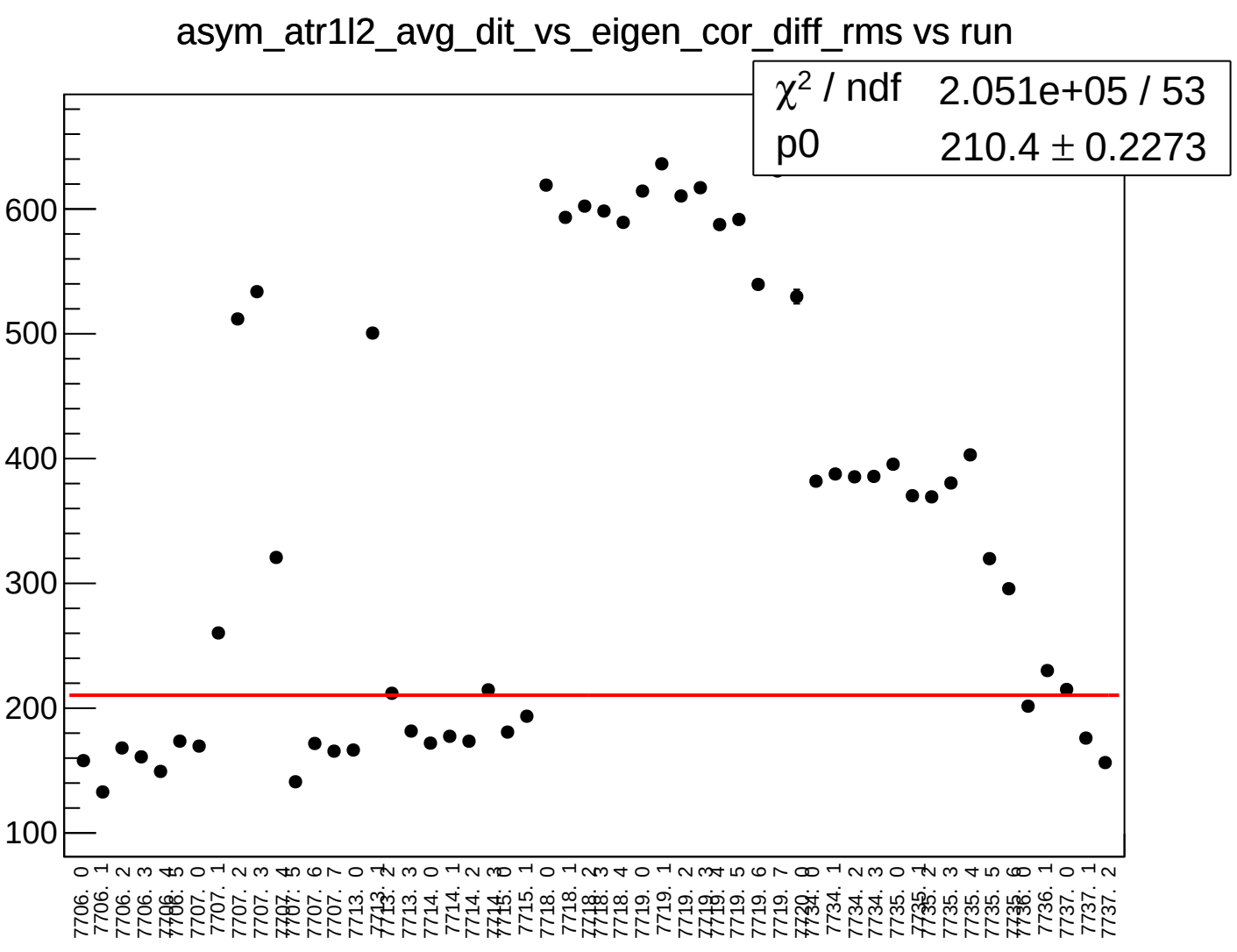

pull1D
Entries 54
Mean −0.1957
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

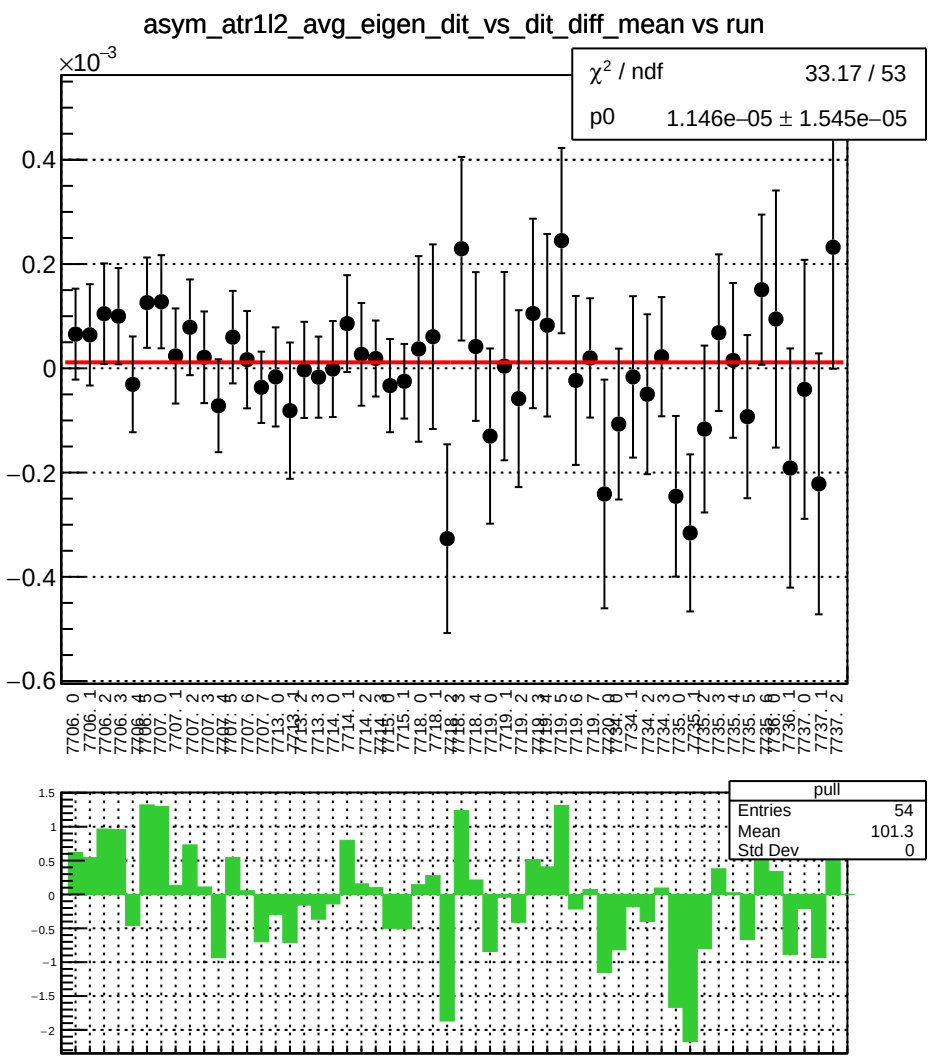

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.827e+05 / 53
p0 2.951e−10 ± 4.262e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

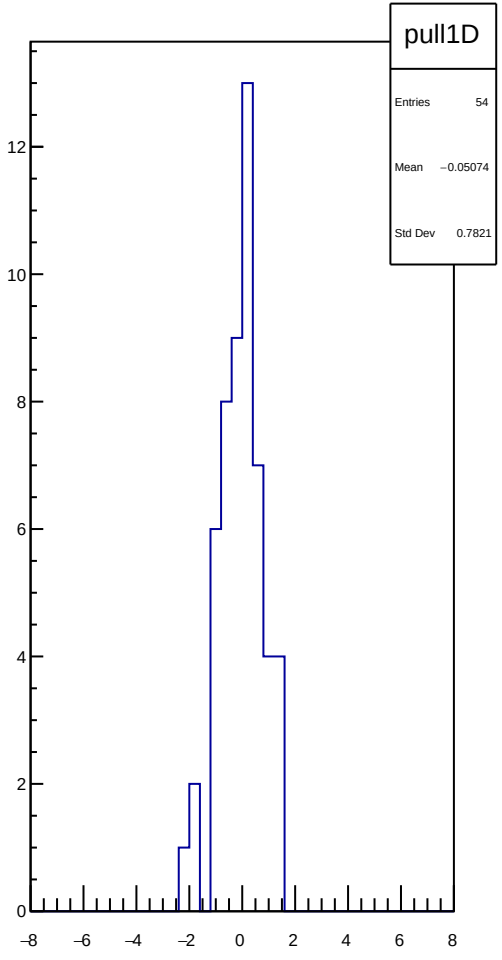

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 41.02 / 53
p0 0.02262 ± 0.3214
pull
Entries 54
Mean 32.01
Std Dev 3.749
pull1D
Entries 54
Mean −0.08281
Std Dev 0.8676

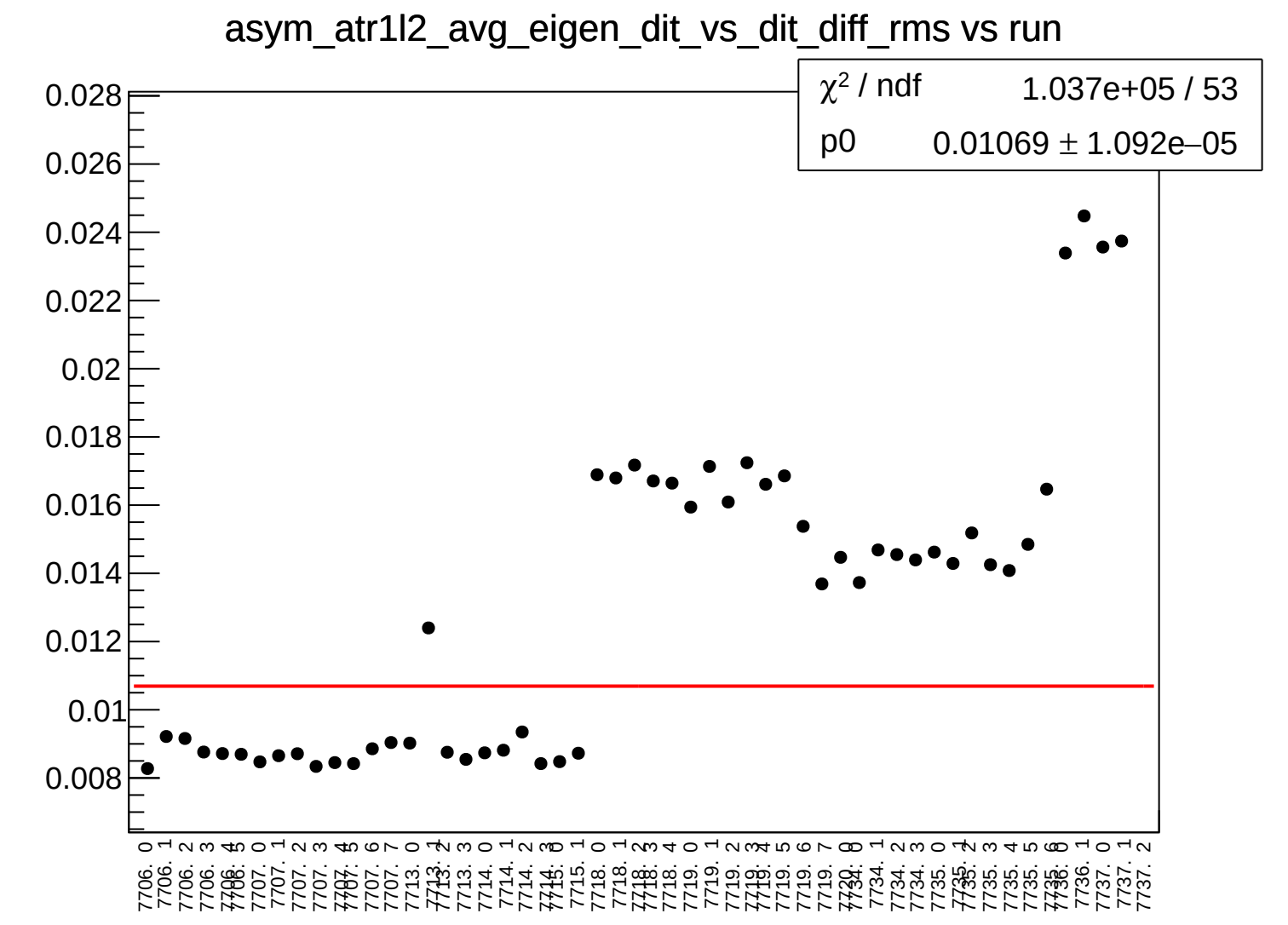

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.051e+05 / 53
p0 210.4 ± 0.2273
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

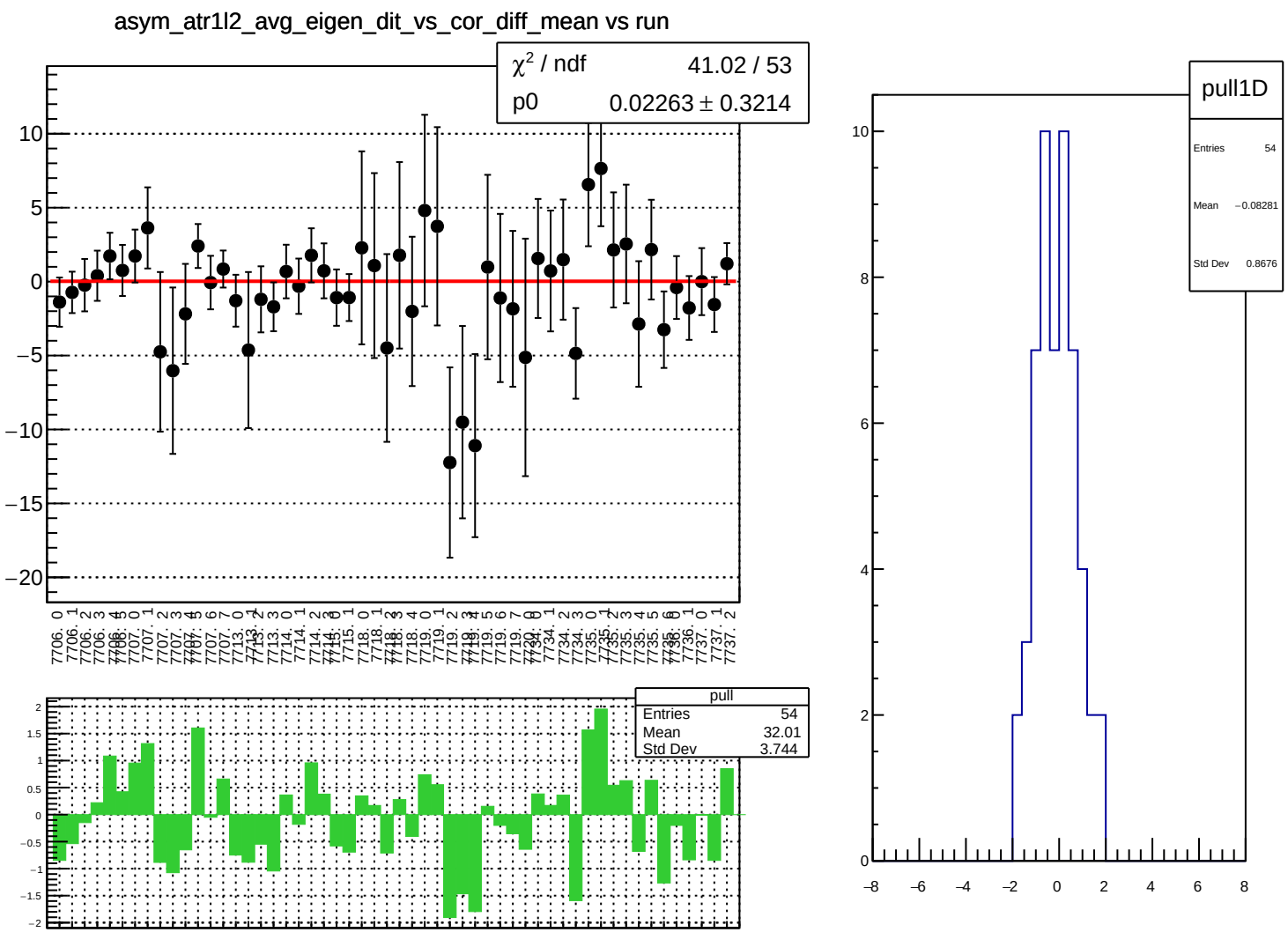

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.02 / 53
p0 0.02262 ± 0.3214
pull
Entries 54
Mean 32.01
Std Dev 3.749
pull1D
Entries 54
Mean −0.08281
Std Dev 0.8676

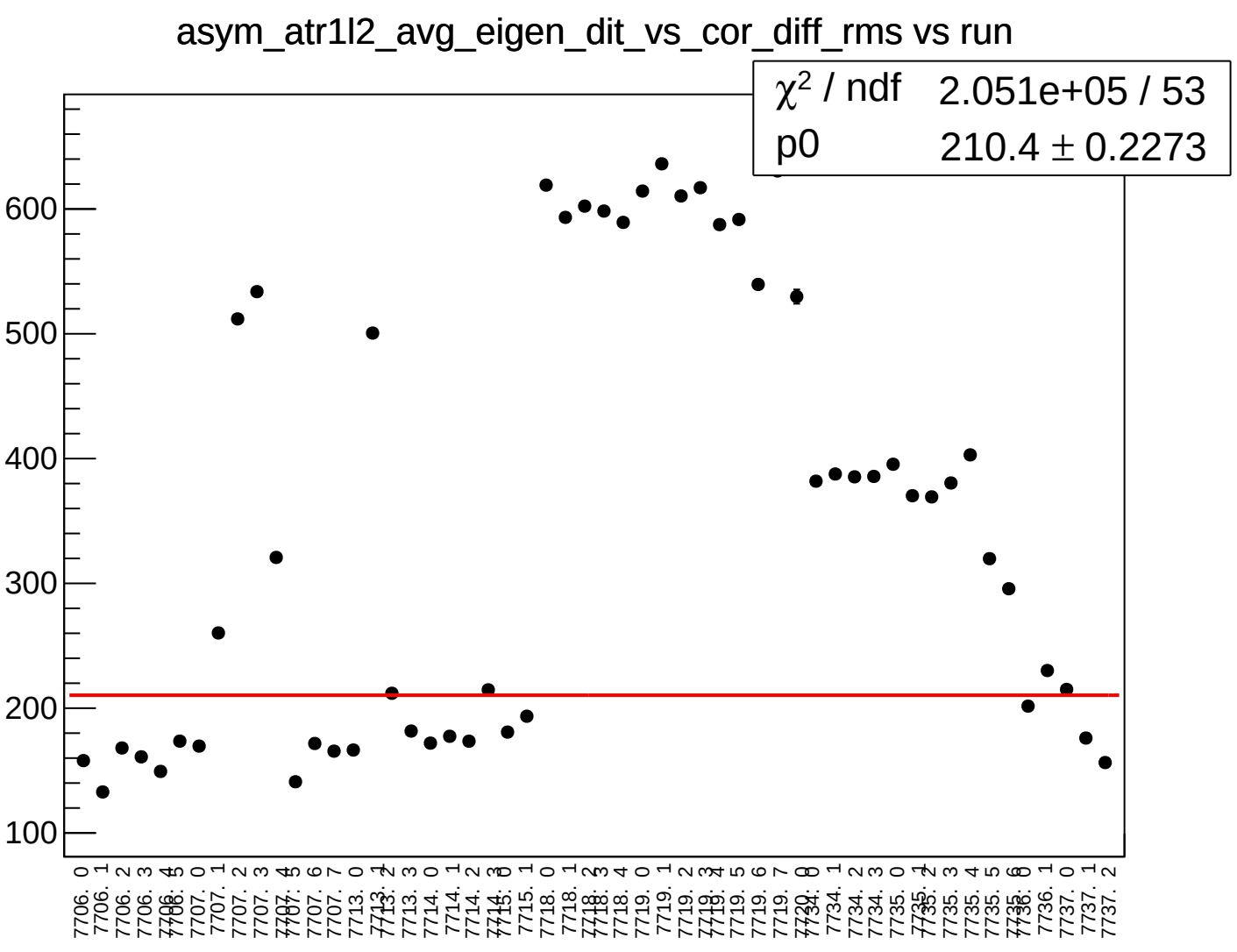

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.051e+05 / 53
p0 210.4 ± 0.2273
600
500
400
300
200
100

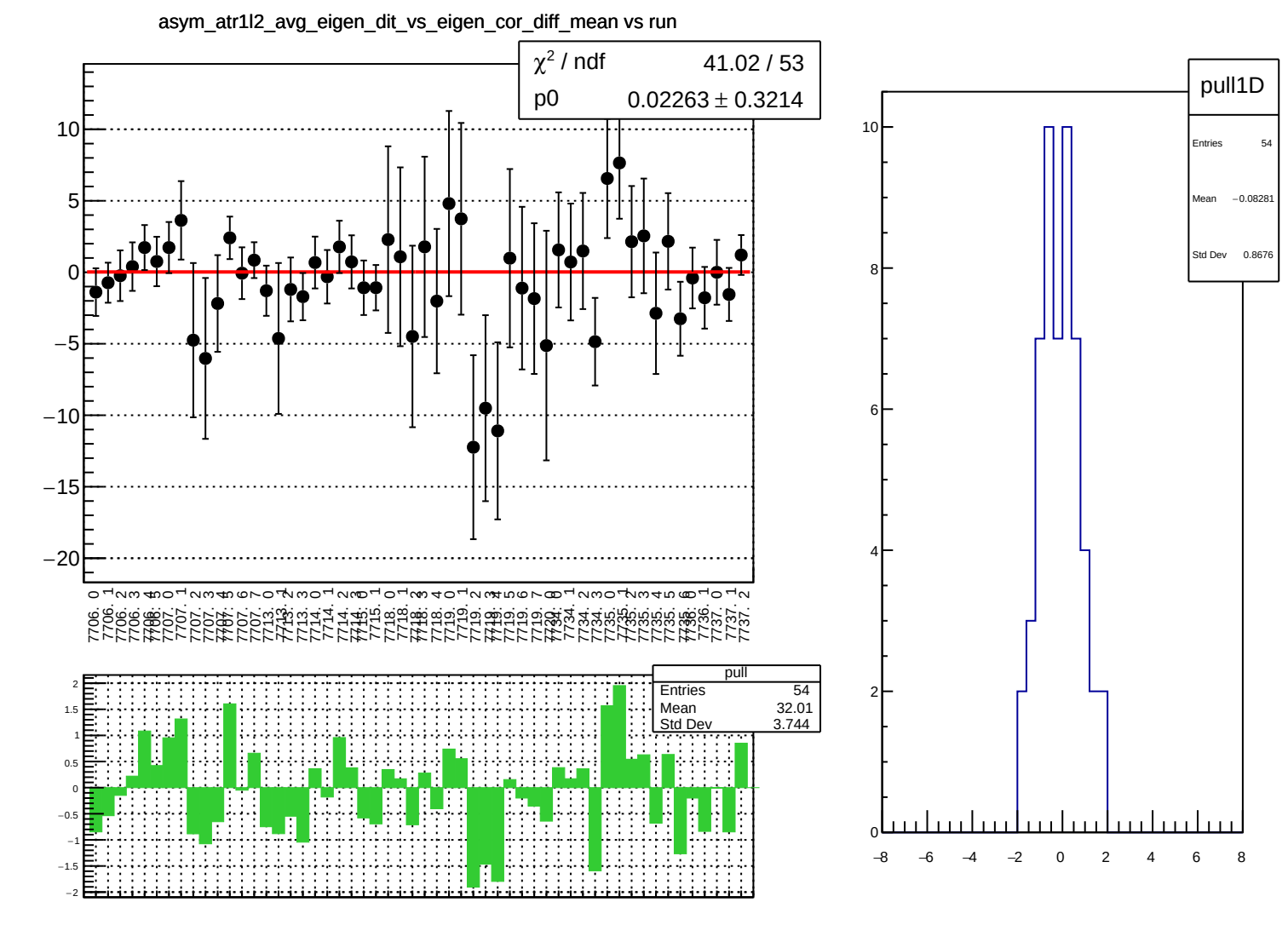

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.17 / 53
p0 1.146e−05 ± 1.545e−05
pull
Entries 54
Mean 101.3
Std Dev 0

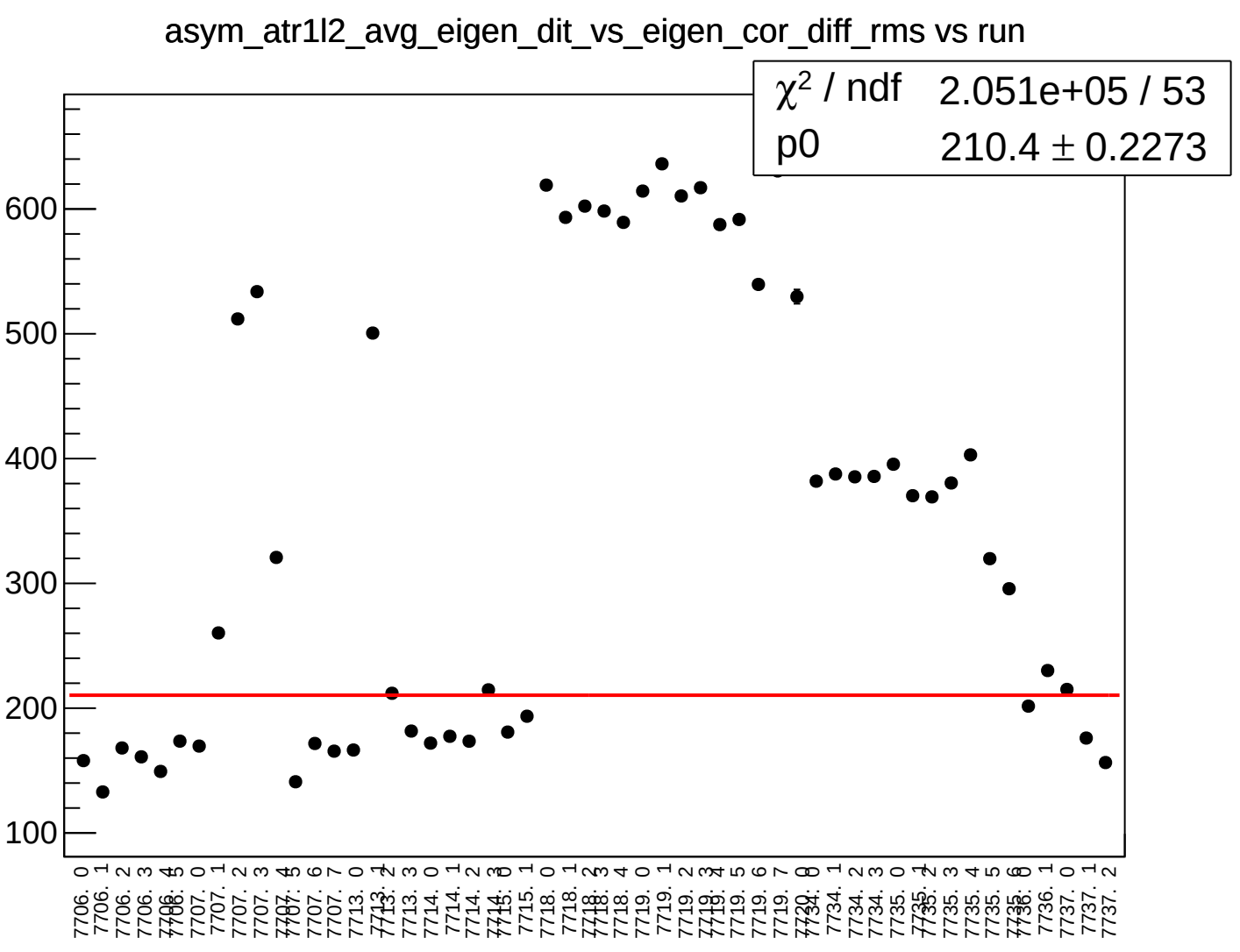

pull1D
Entries 54
Mean −0.05074
Std Dev 0.7821

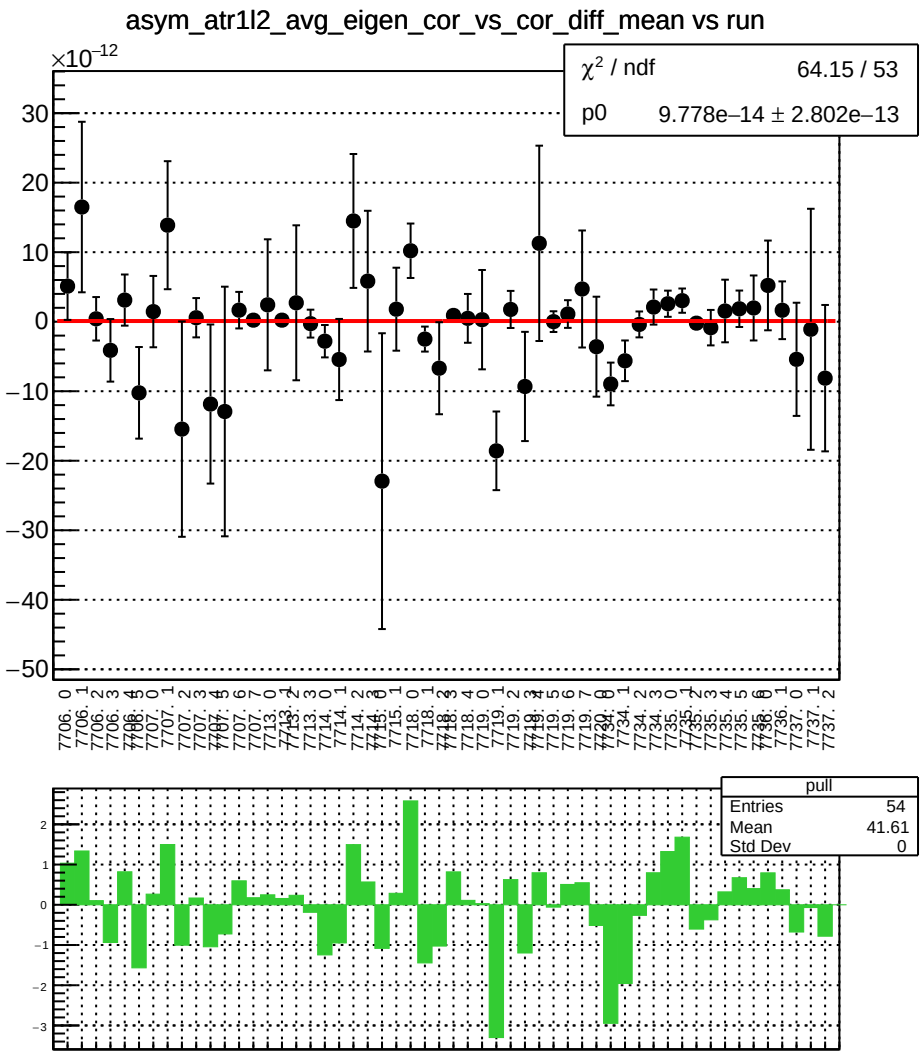

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.037e+05 / 53
p0 0.01069 ± 1.092e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

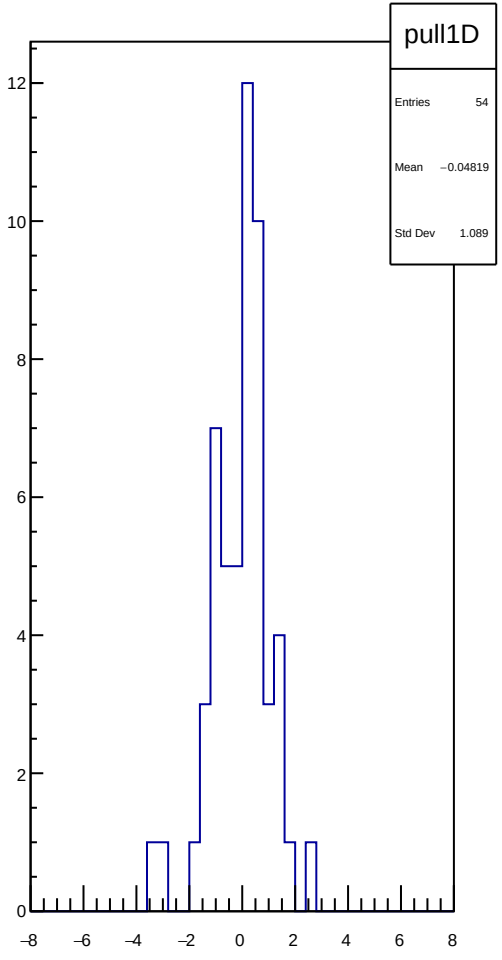

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.02 / 53
p0 0.02263 ± 0.3214
pull
Entries 54
Mean 32.01
Std Dev 3.744
pull1D
Entries 54
Mean −0.08281
Std Dev 0.8676

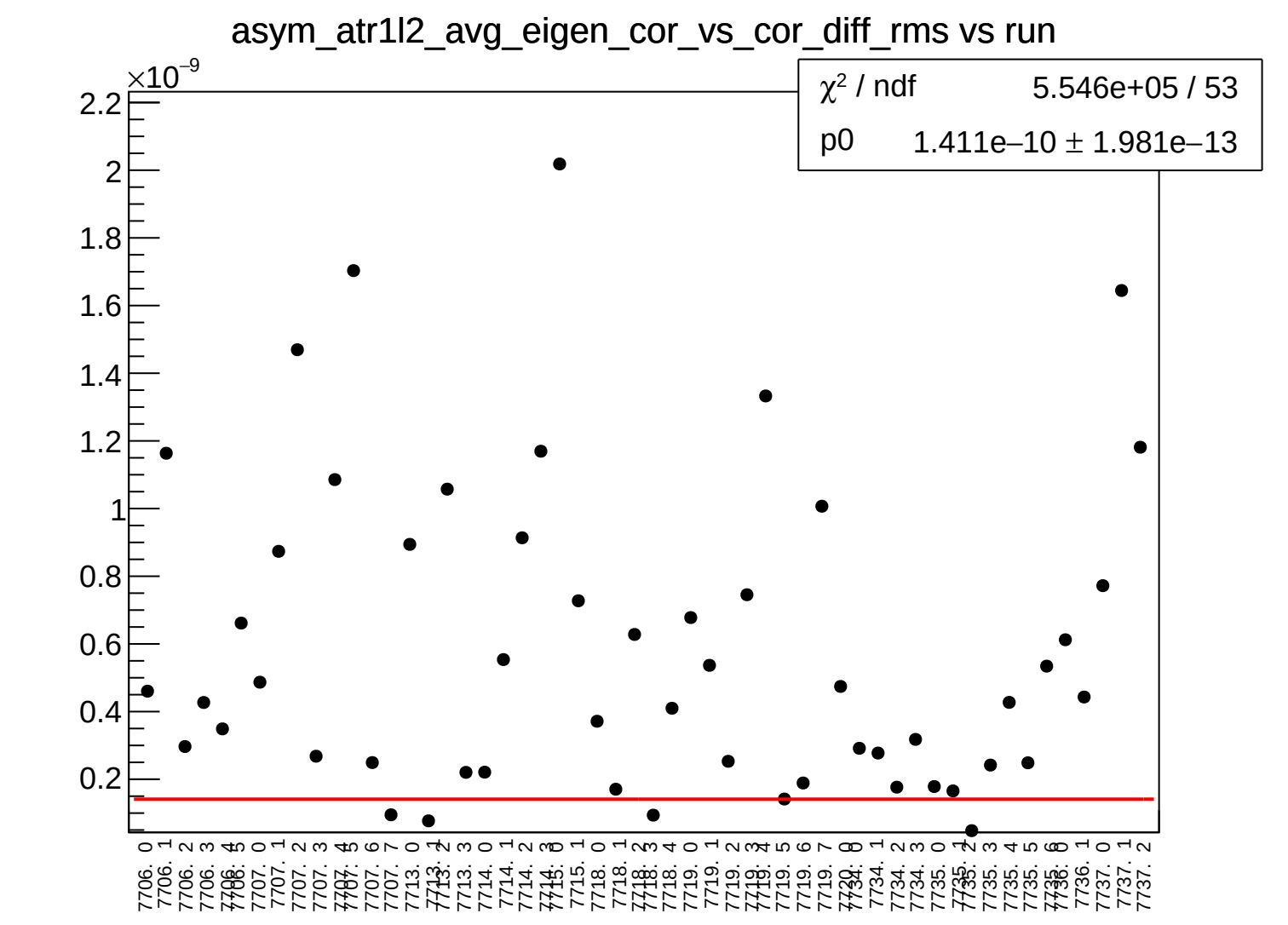

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.051e+05 / 53
p0 210.4 ± 0.2273
600
500
400
300
200
100

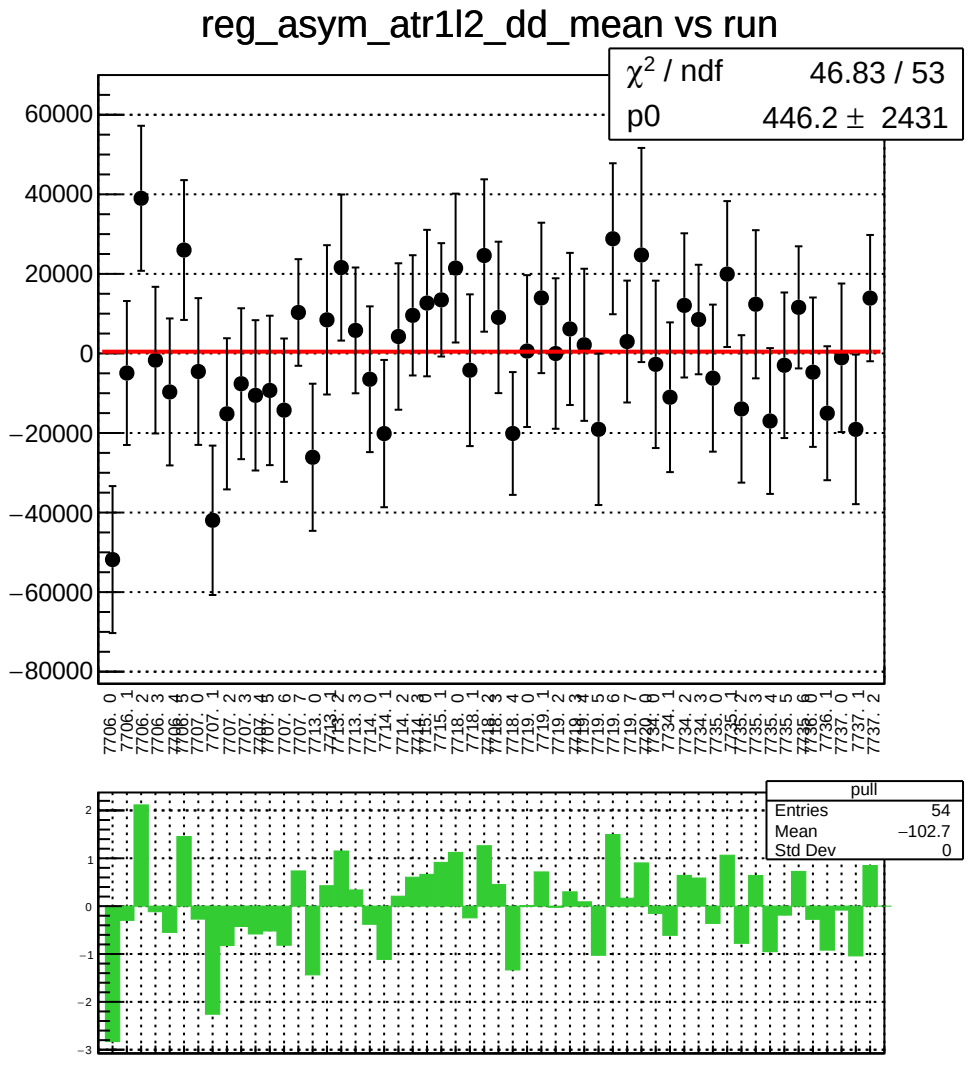

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.02 / 53
p0 0.02263 ± 0.3214
pull
Entries 54
Mean 32.01
Std Dev 3.744
pull1D
Entries 54
Mean −0.08281
Std Dev 0.8676

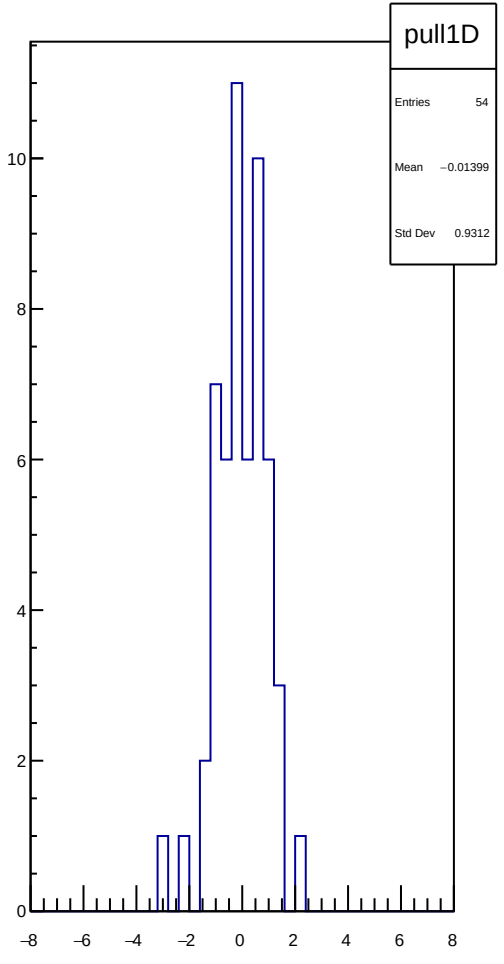

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.051e+05 / 53
p0 210.4 ± 0.2273
600
500
400
300
200
100

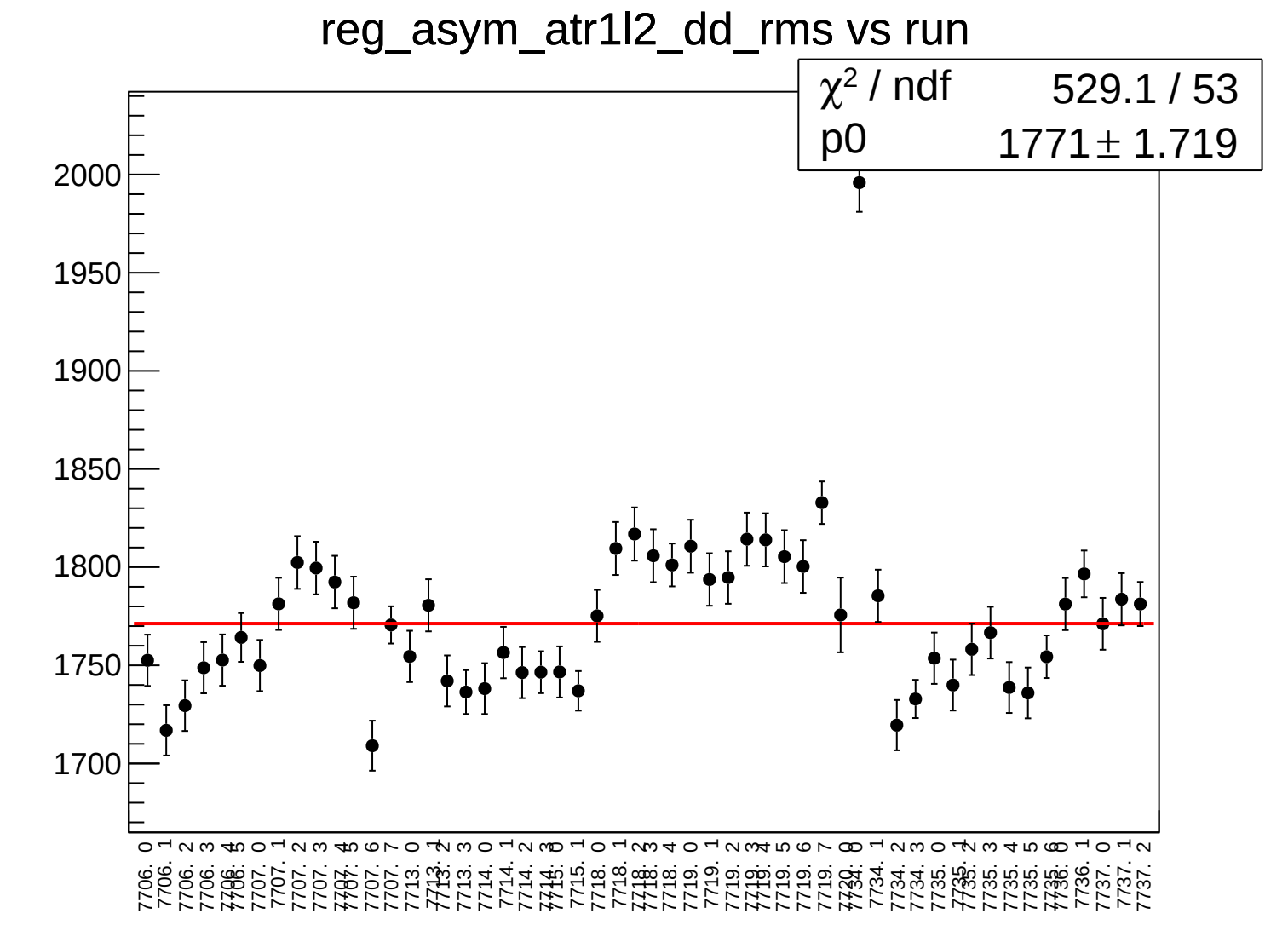

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.15 / 53
p0 9.778e−14 ± 2.802e−13
pull
Entries 54
Mean 41.61
Std Dev 0

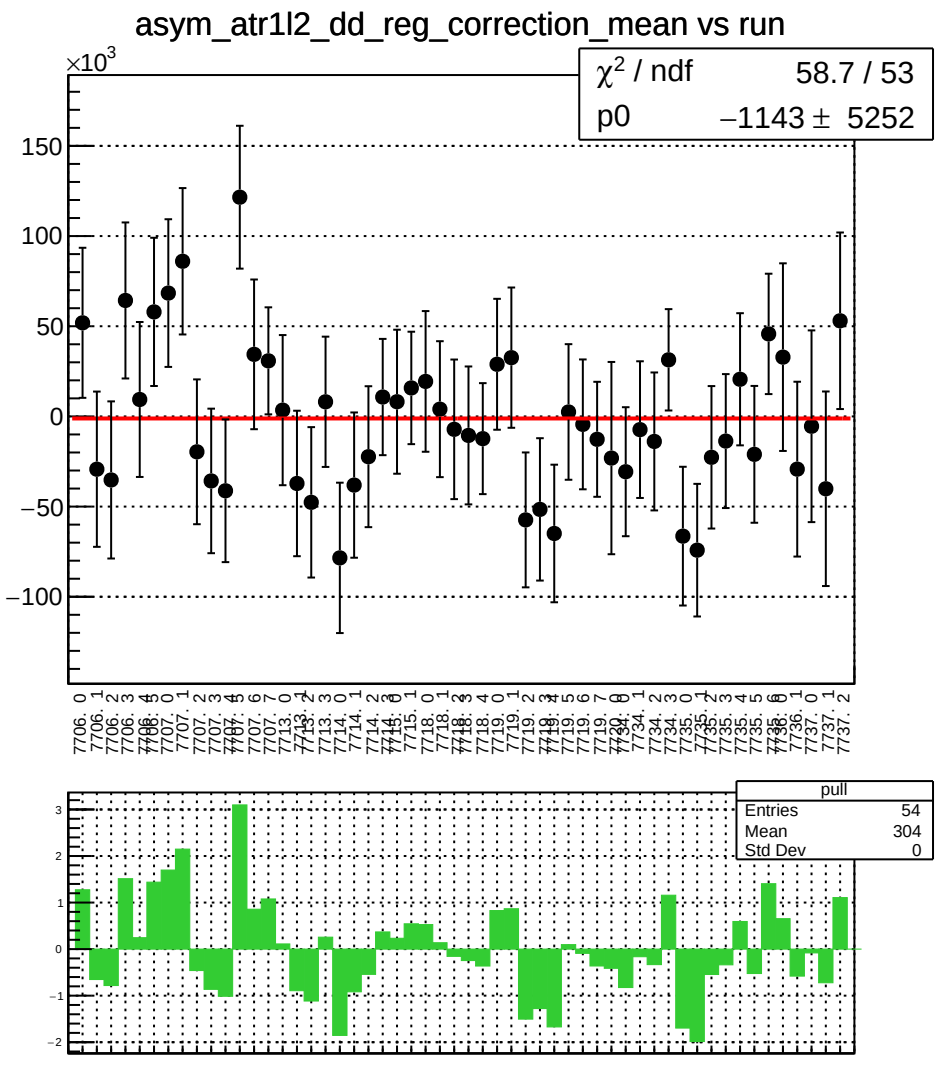

pull1D
Entries 54
Mean −0.04819
Std Dev 1.089

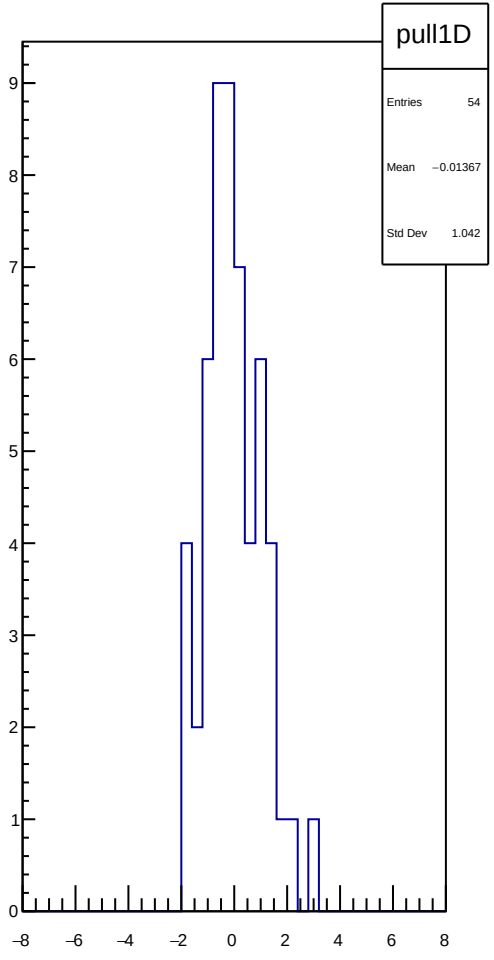

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.546e+05 / 53
p0 1.411e−10 ± 1.981e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

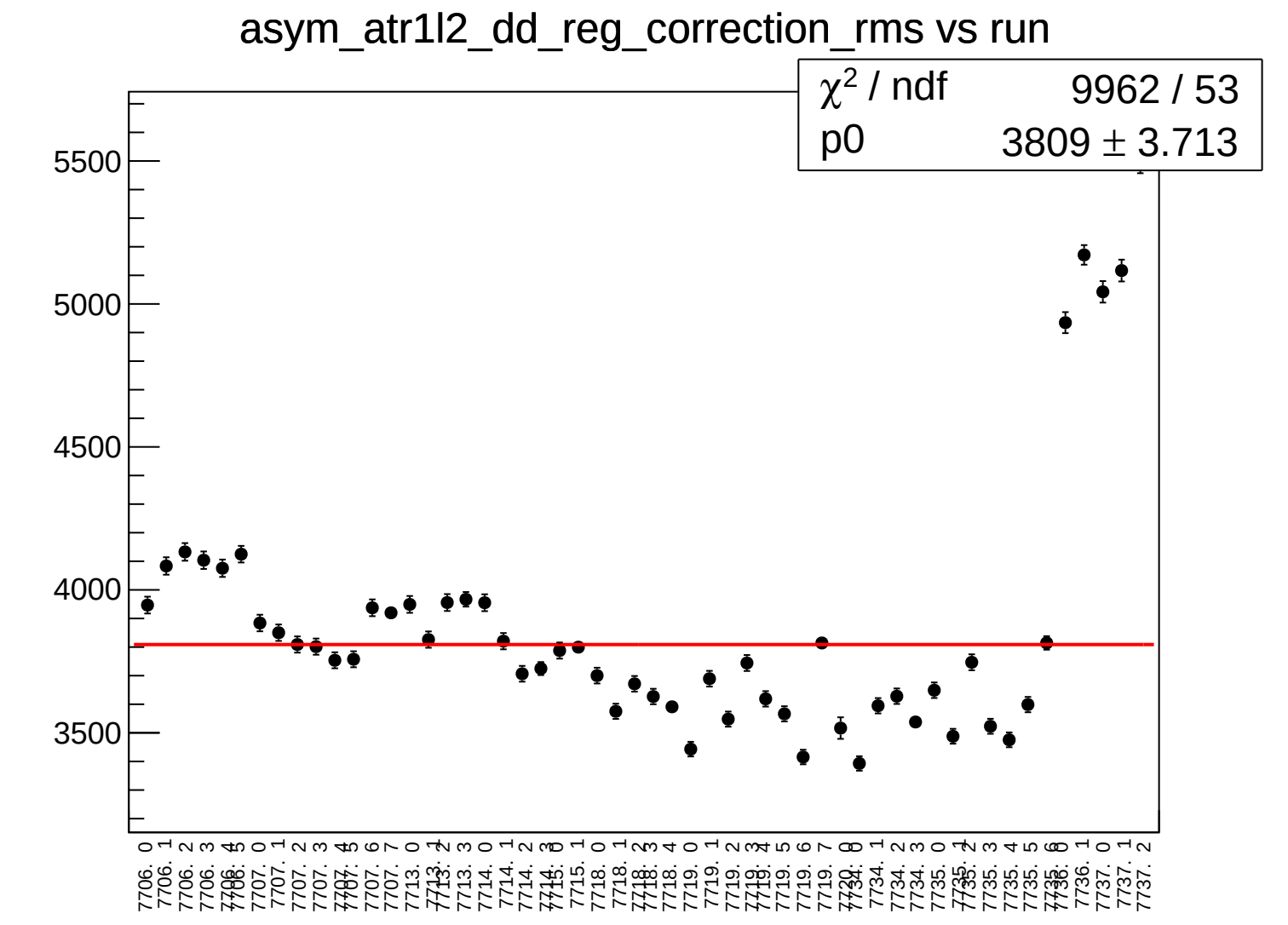

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 46.83 / 53
p0 446.2 ± 2431
pull
Entries 54
Mean −102.7
Std Dev 0

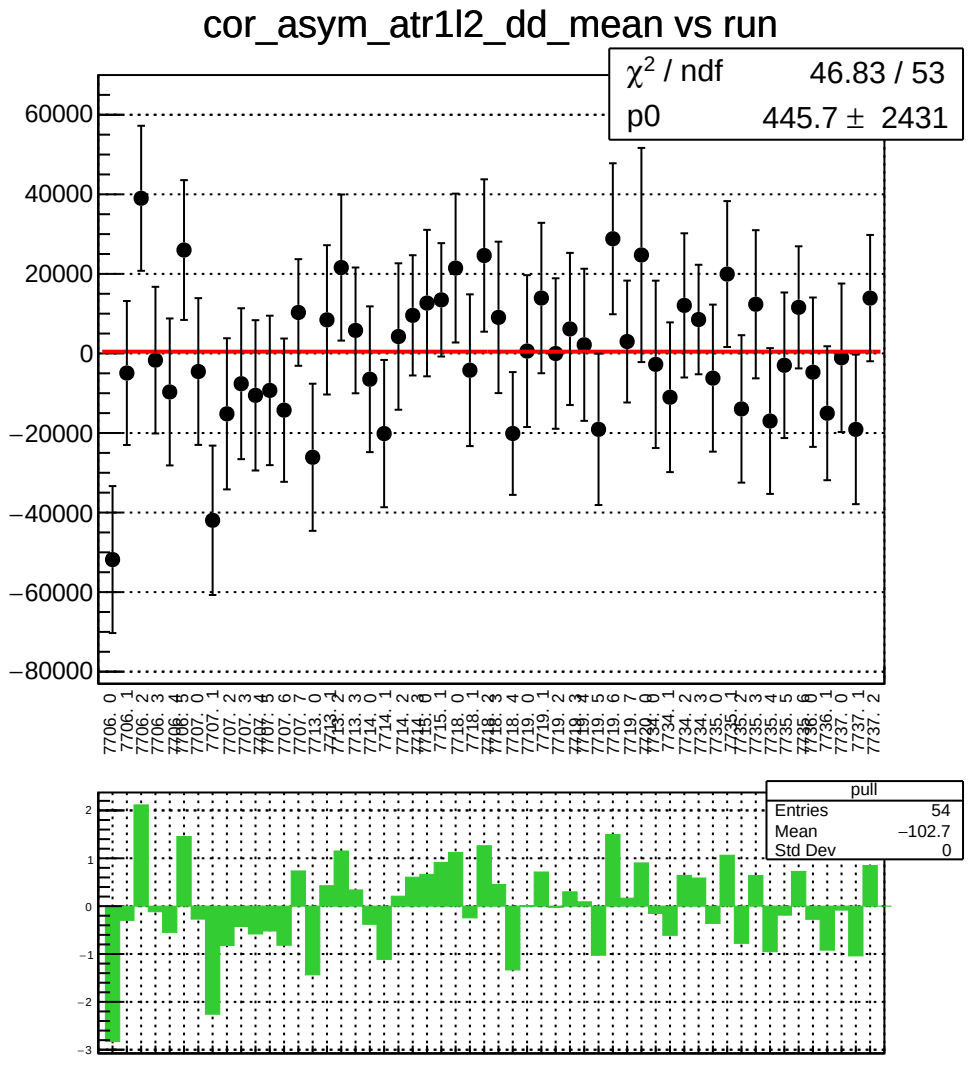

pull1D
Entries 54
Mean −0.01399
Std Dev 0.9312

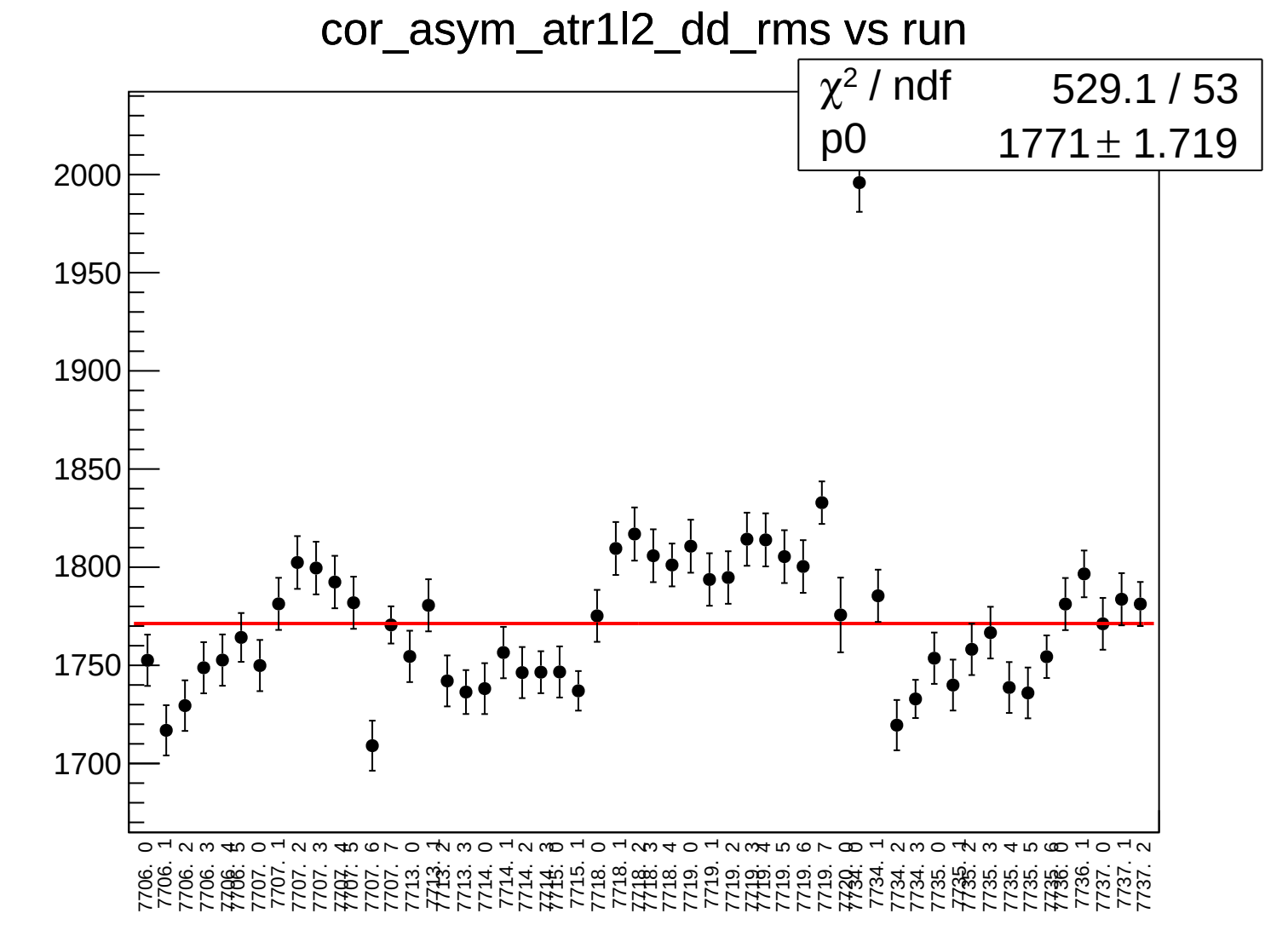

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 529.1 / 53
p0 1771 ± 1.719
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

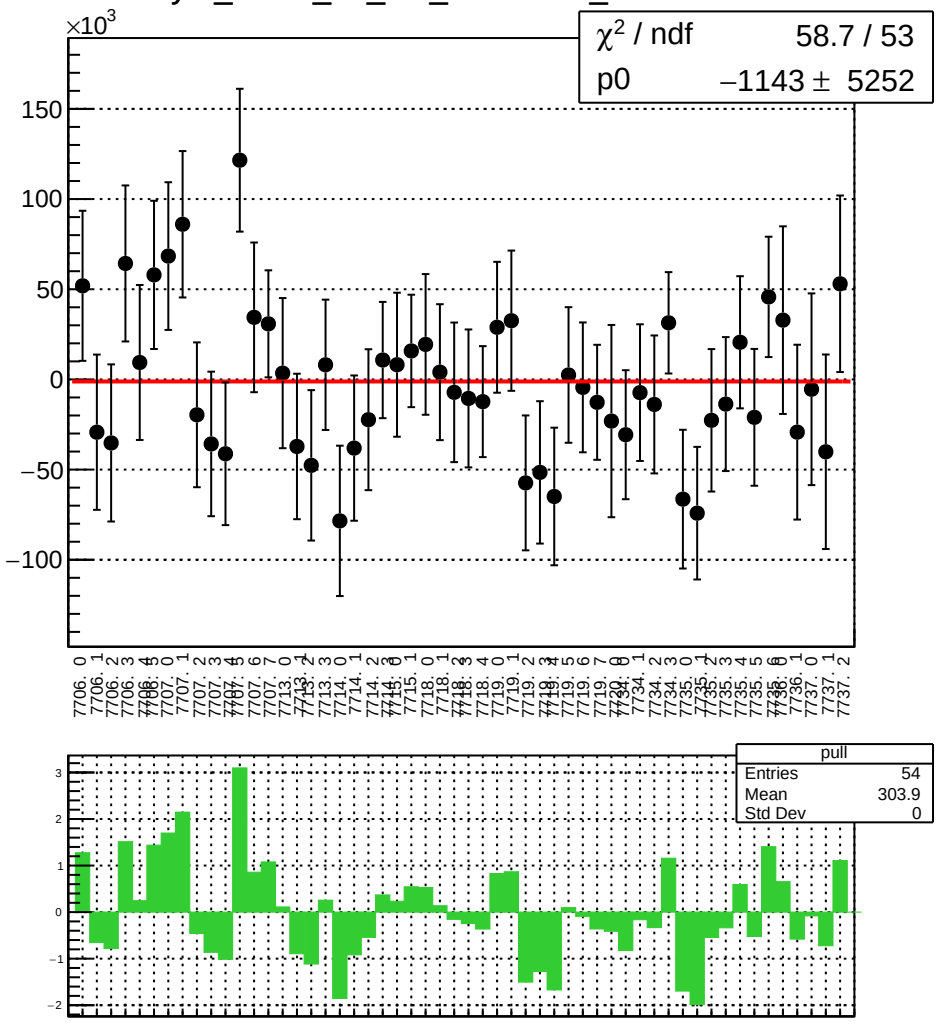

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.7 / 53
p0 −1143 ± 5252
150
100
50
0
−50
−100
pull
Entries 54
Mean 304
Std Dev 0
3
2
1
0
−1
−2

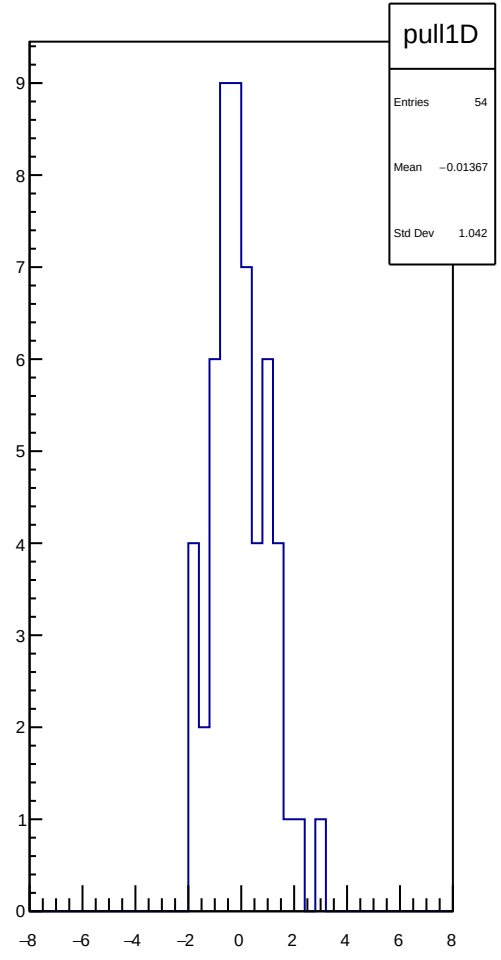

pull1D
Entries 54
Mean −0.01367
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

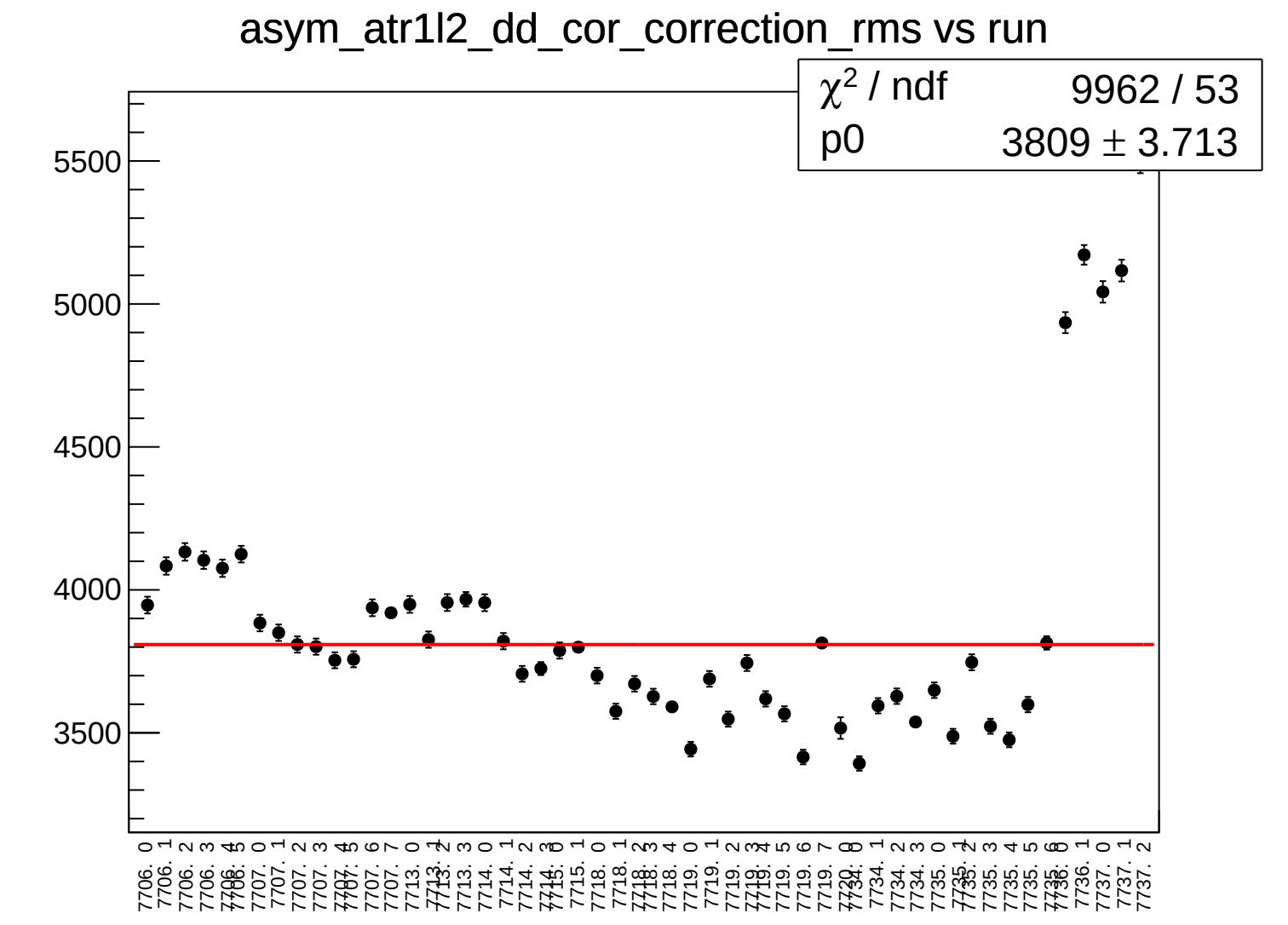

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 9962 / 53
p0 3809 ± 3.713
5500
5000
4500
4000
3500

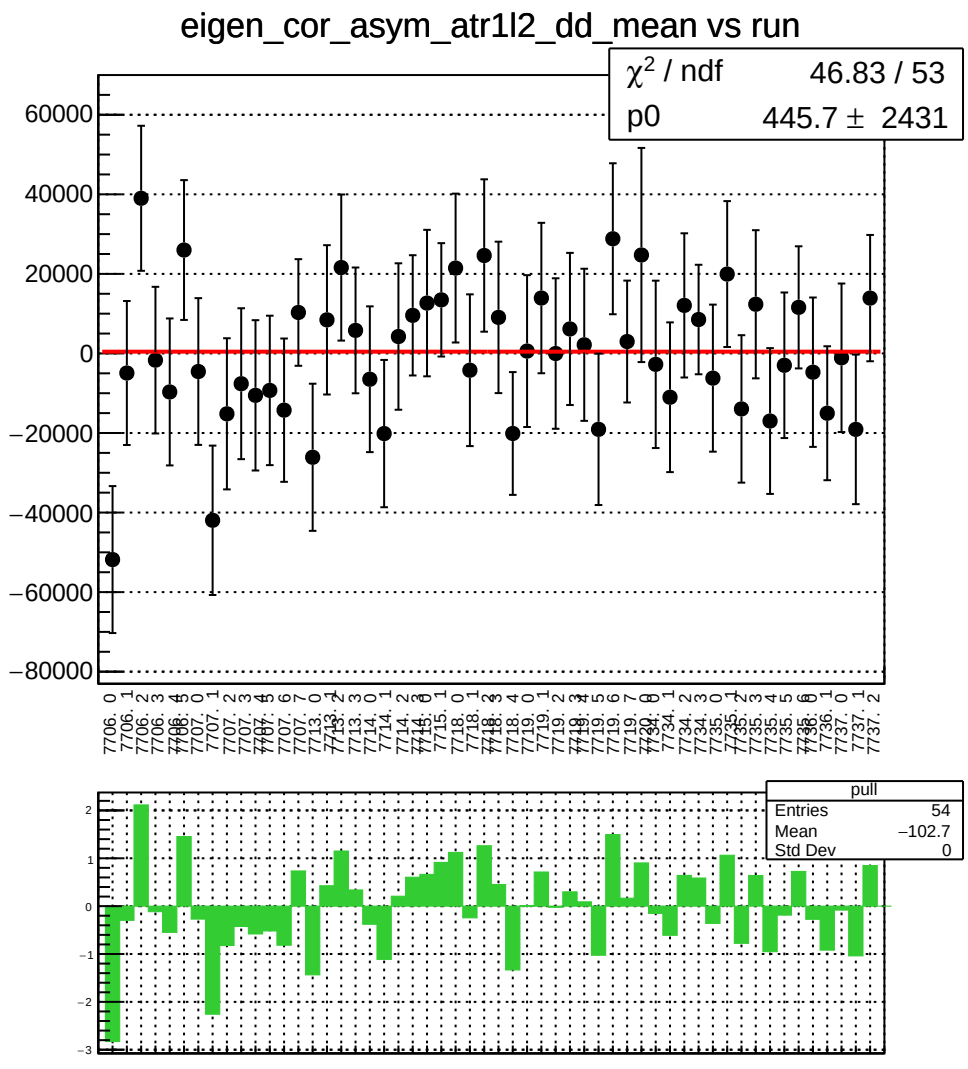

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 46.83 / 53
p0 445.7 ± 2431
pull
Entries 54
Mean −102.7
Std Dev 0
pull1D
Entries 54
Mean −0.01399
Std Dev 0.9312

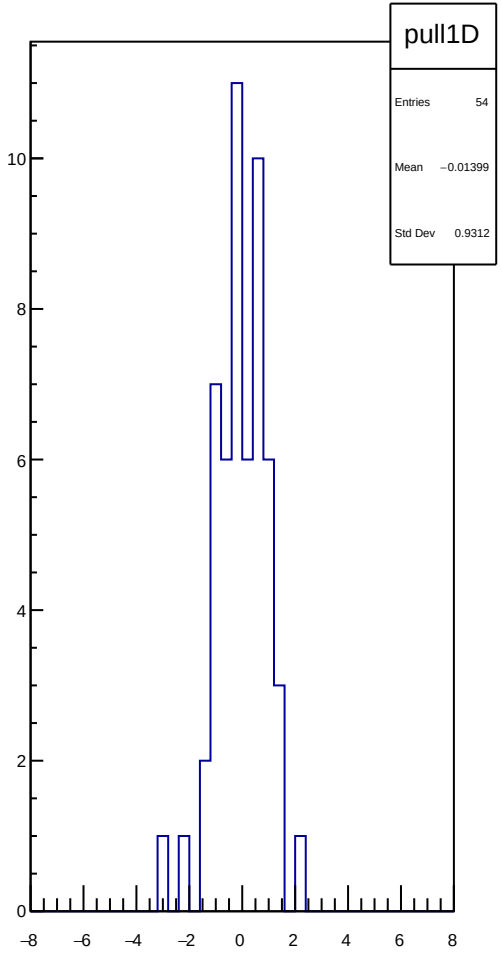

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 529.1 / 53
p0 1771 ± 1.719
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

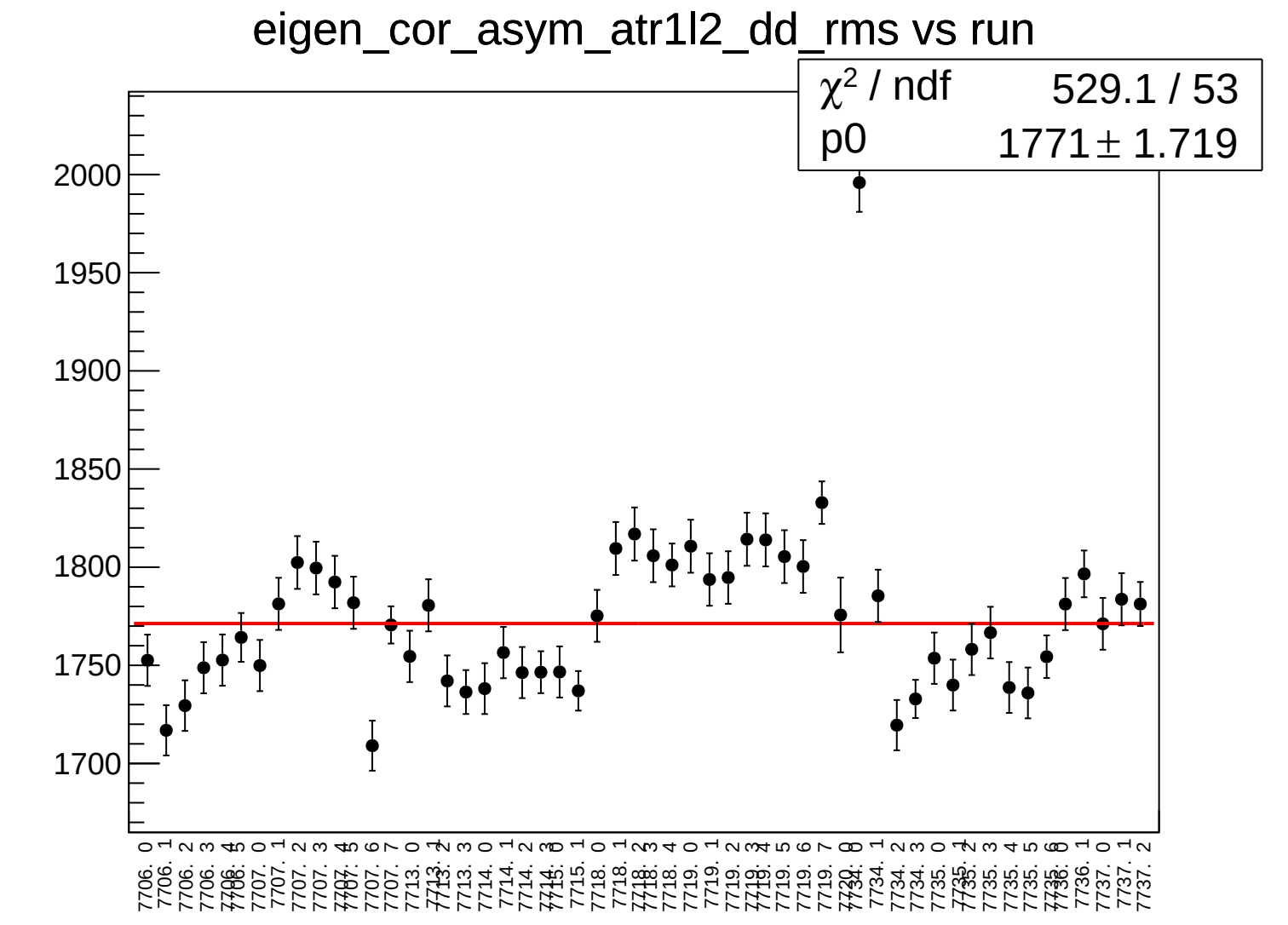

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.7 / 53
p0 −1143 ± 5252
150
100
50
0
−50
−100
pull
Entries 54
Mean 303.9
Std Dev 0
3
2
1
0
−1
−2

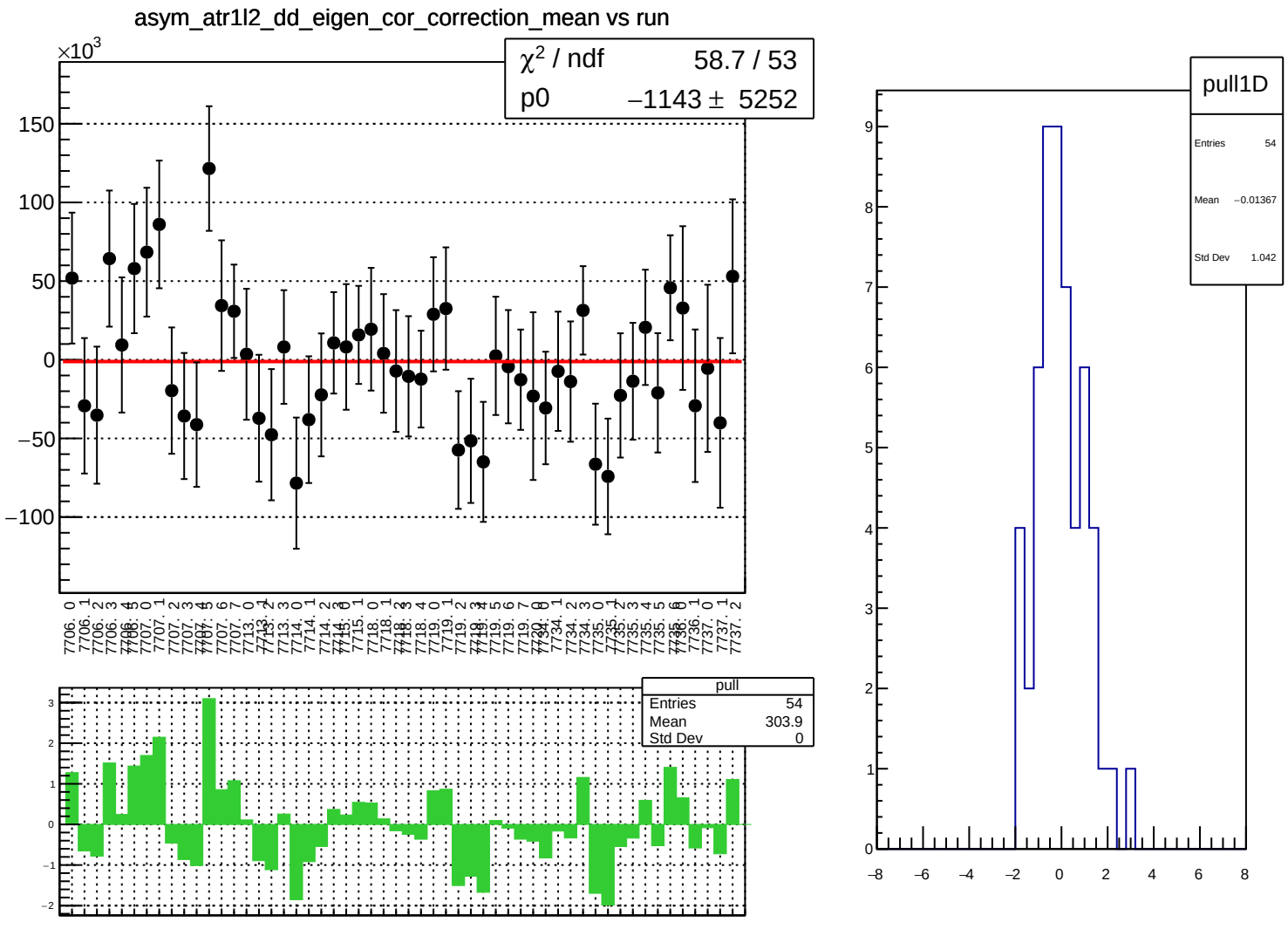

pull1D
Entries 54
Mean −0.01367
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

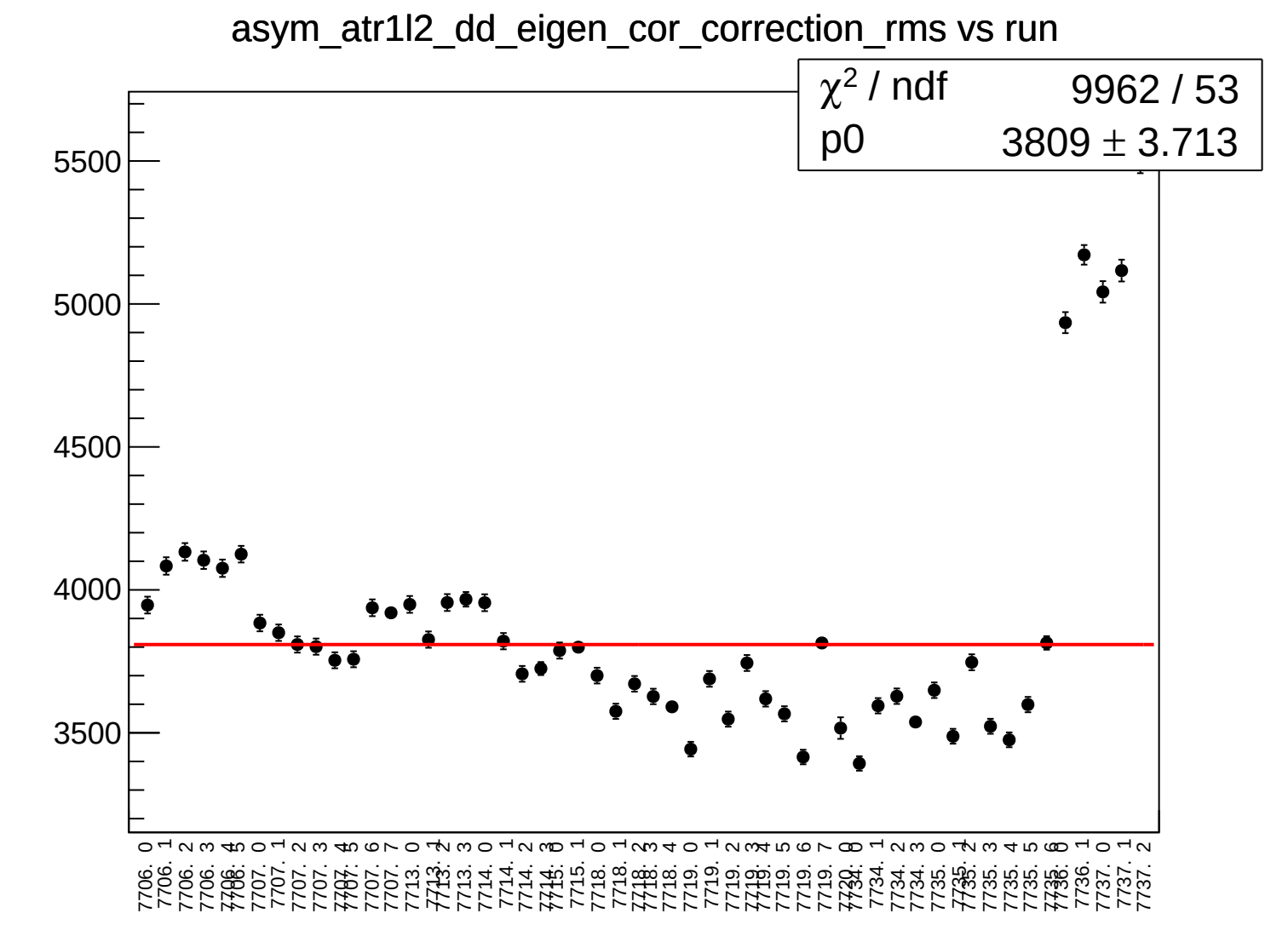

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 9962 / 53
p0 3809 ± 3.713
5500
5000
4500
4000
3500

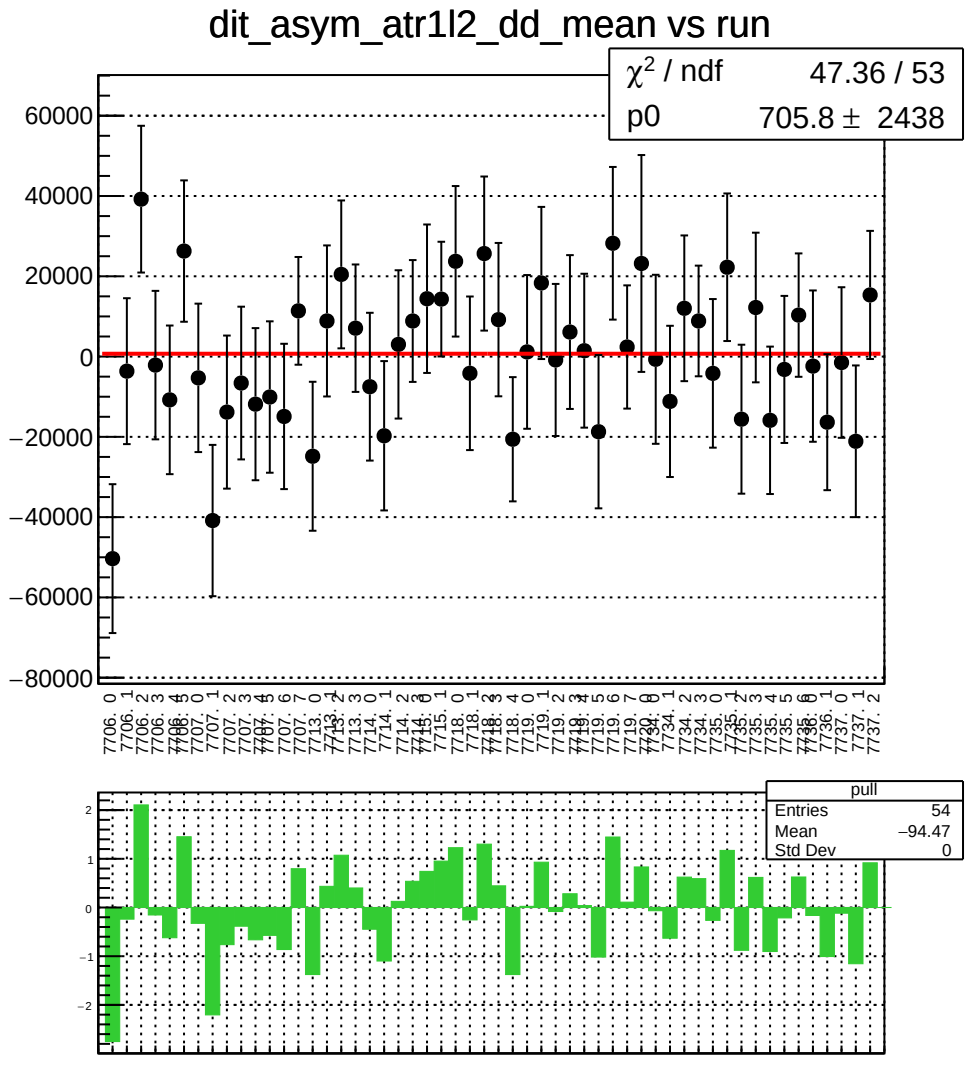

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 46.83 / 53
p0 445.7 ± 2431
pull
Entries 54
Mean −102.7
Std Dev 0

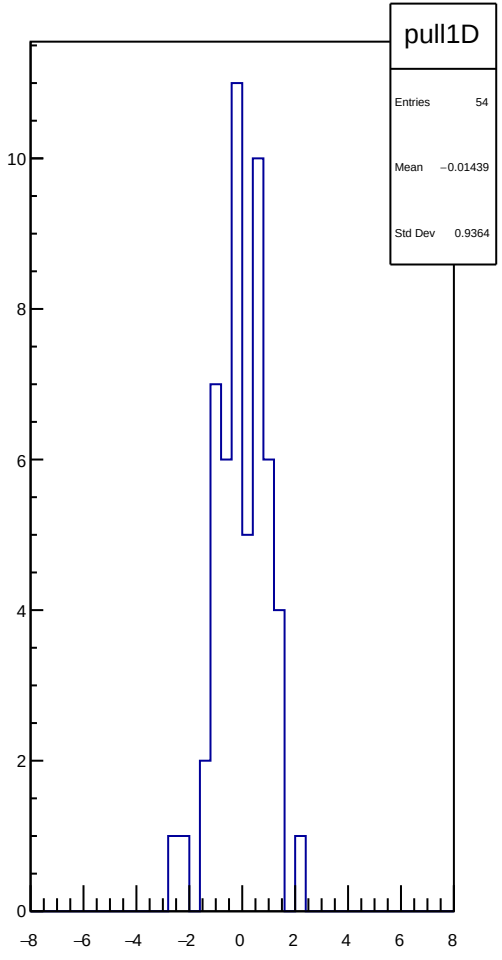

pull1D
Entries 54
Mean −0.01399
Std Dev 0.9312

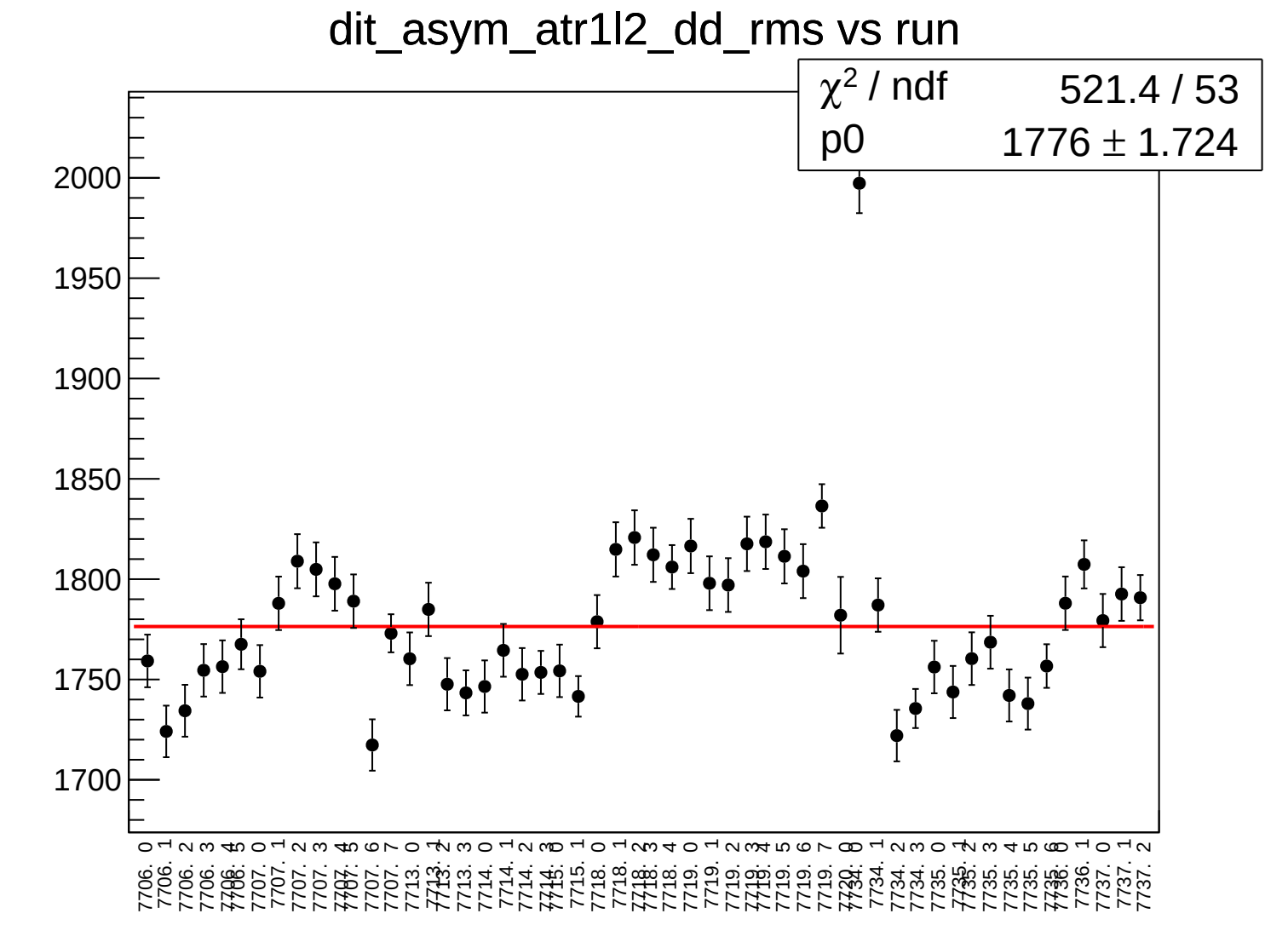

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 529.1 / 53
p0 1771 ± 1.719
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

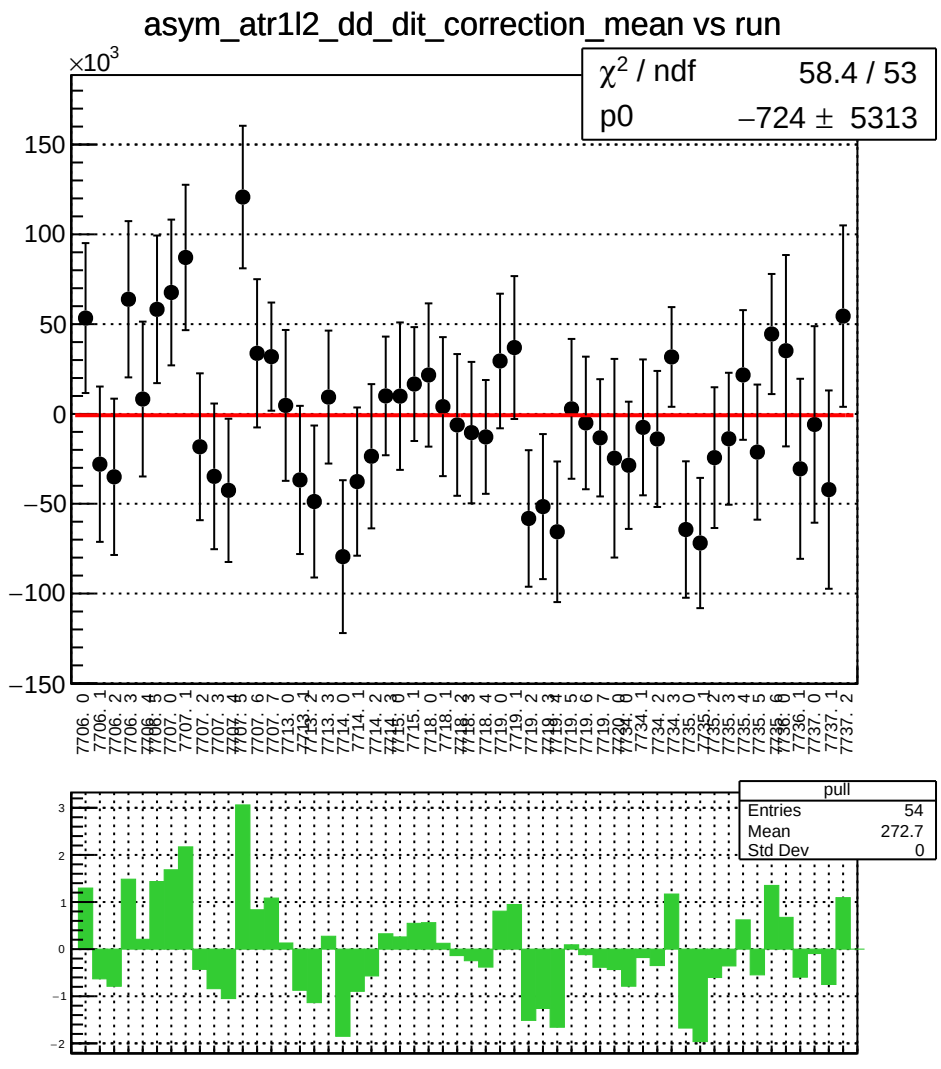

asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.7 / 53
p0 −1143 ± 5252
×10³
150
100
50
0
−50
−100
pull
Entries 54
Mean 303.9
Std Dev 0
pull1D
Entries 54
Mean −0.01367
Std Dev 1.042

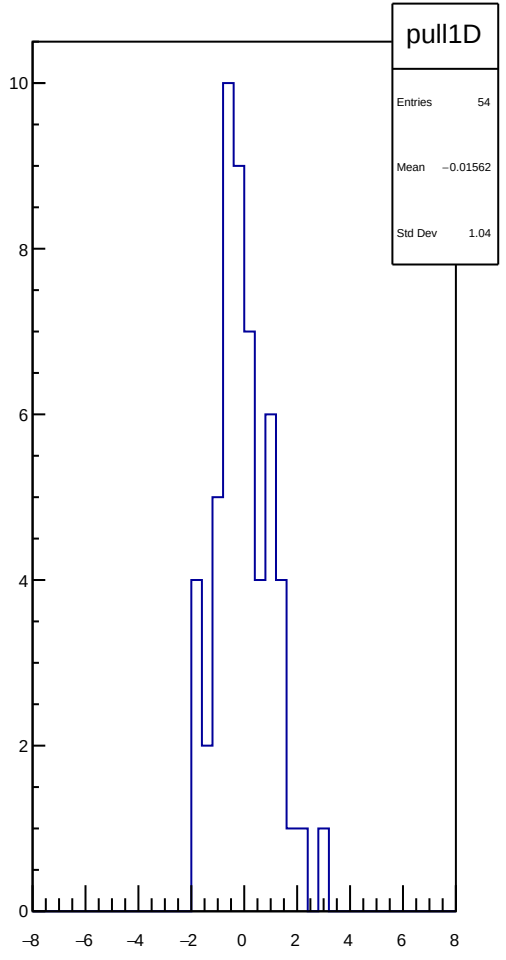

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 9962 / 53
p0 3809 ± 3.713
5500
5000
4500
4000
3500

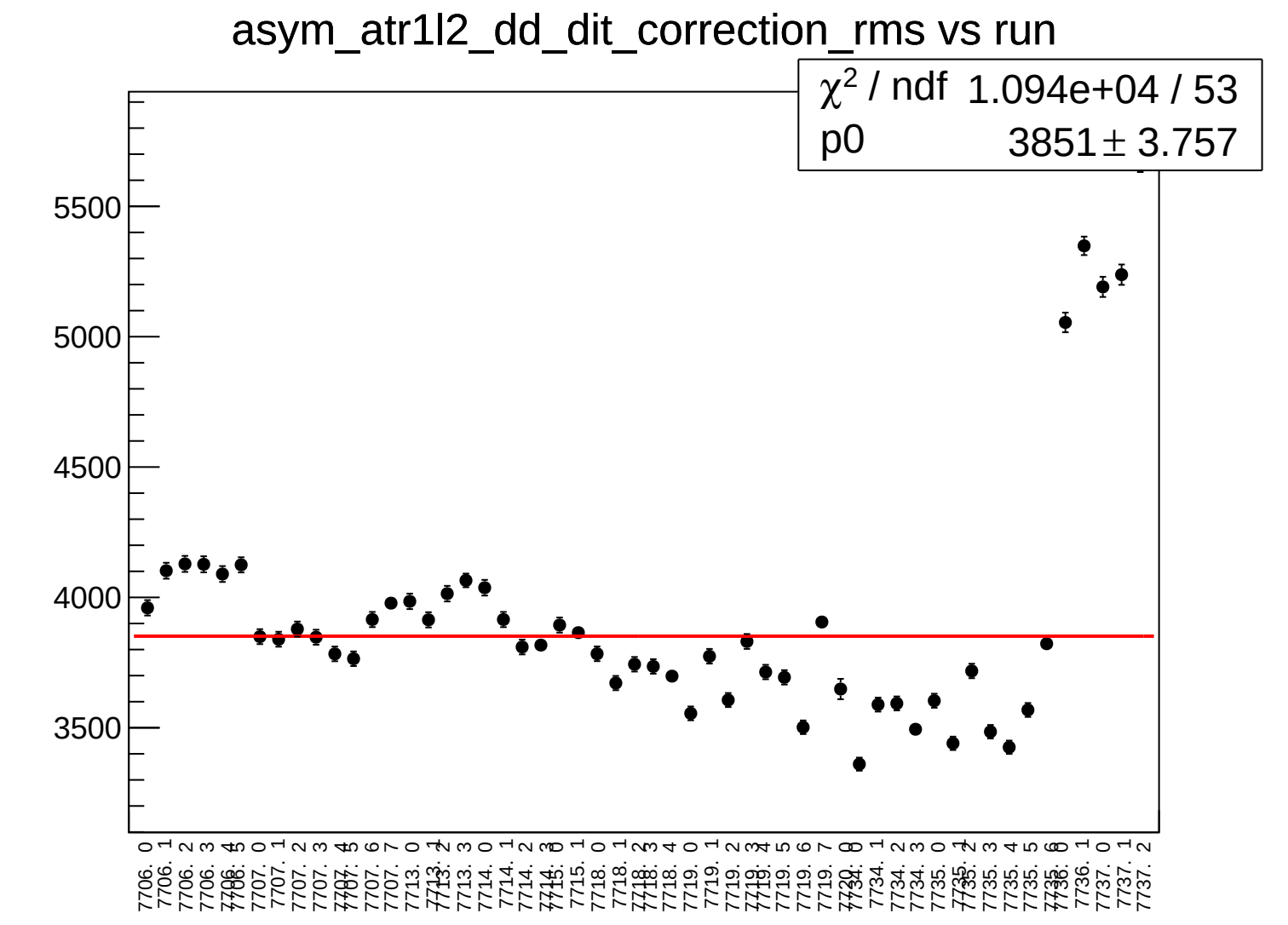

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 47.36 / 53
p0 705.8 ± 2438
pull
Entries 54
Mean −94.47
Std Dev 0

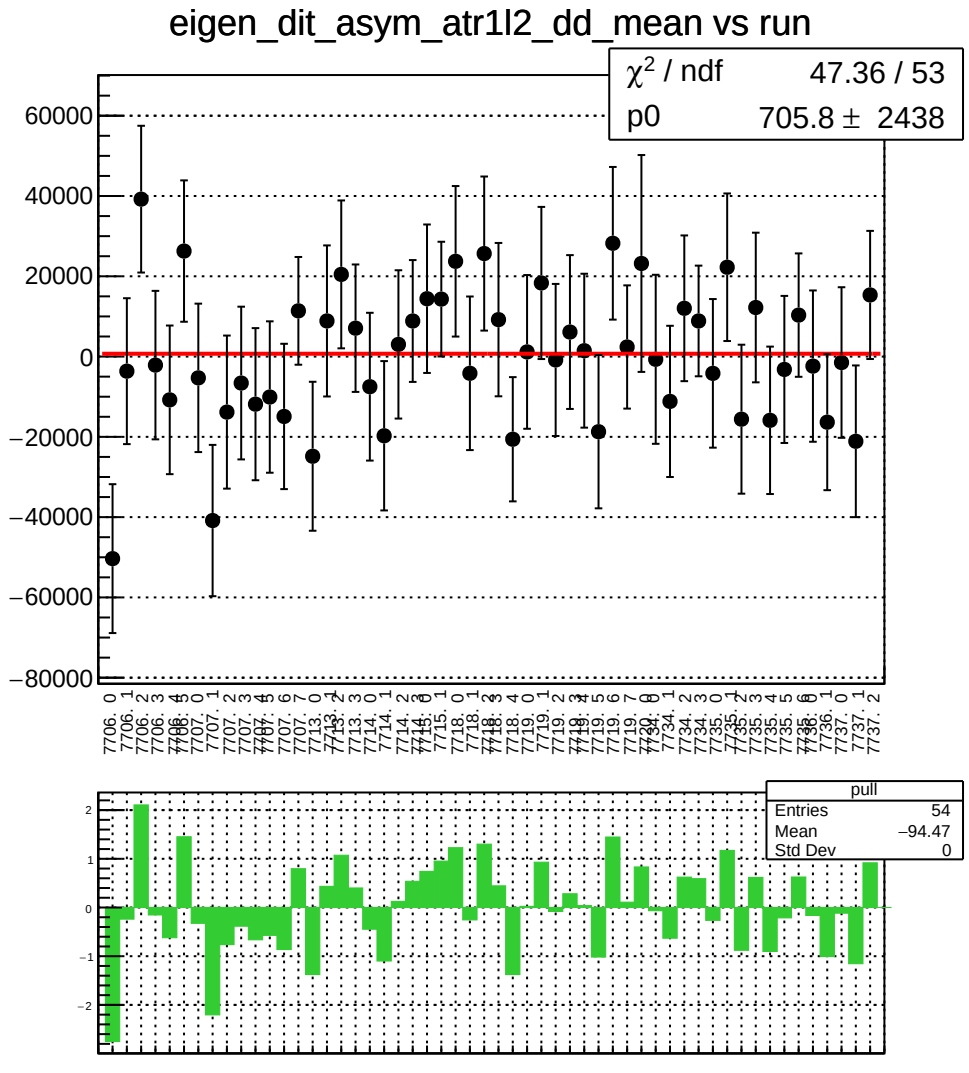

pull1D
Entries 54
Mean −0.01439
Std Dev 0.9364

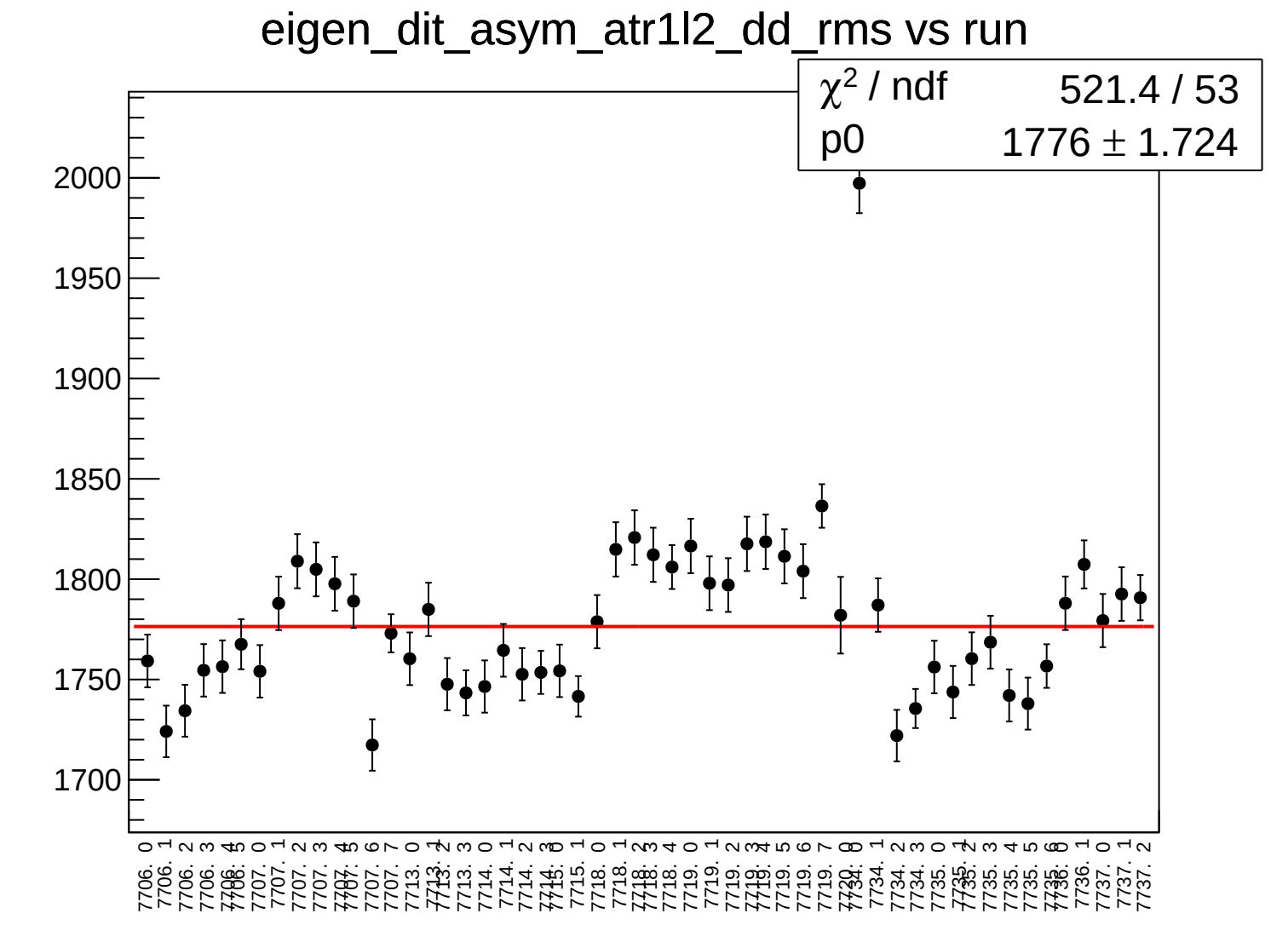

dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 521.4 / 53
p0 1776 ± 1.724
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

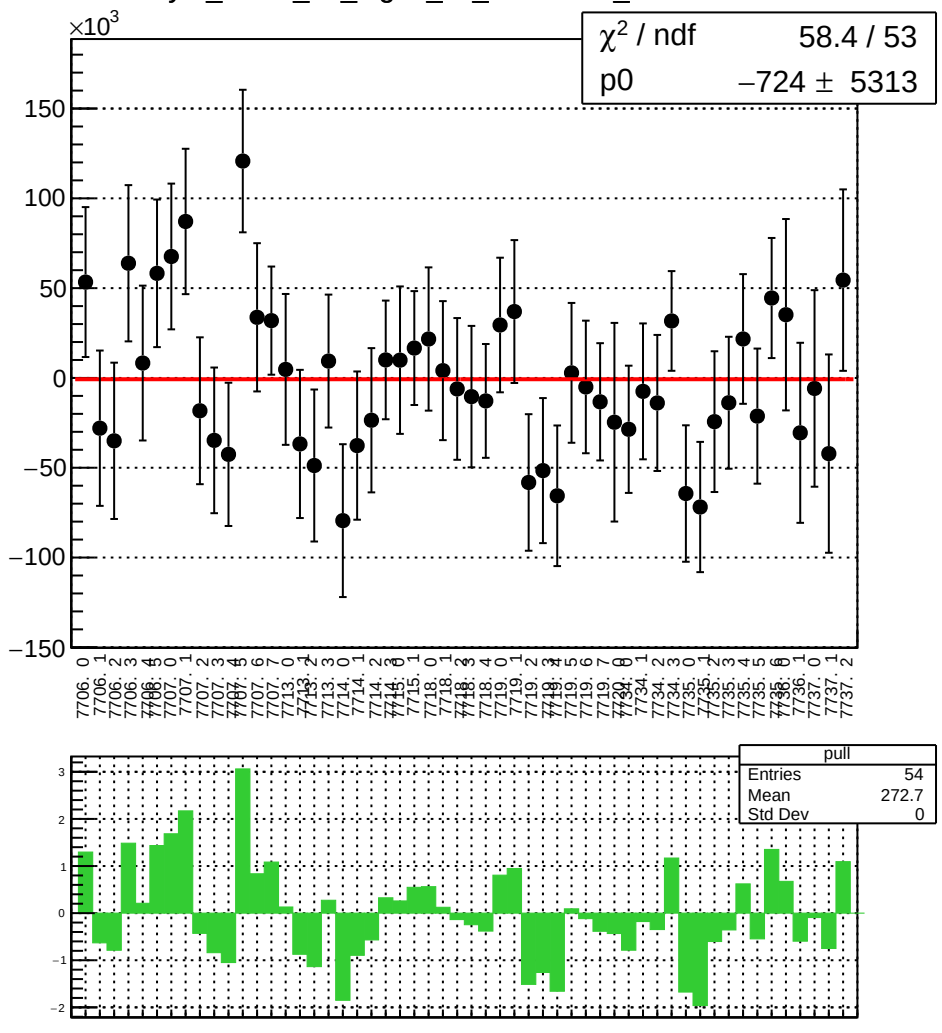

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 58.4 / 53
p0 −724 ± 5313
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 272.7
Std Dev 0
3
2
1
0
−1
−2

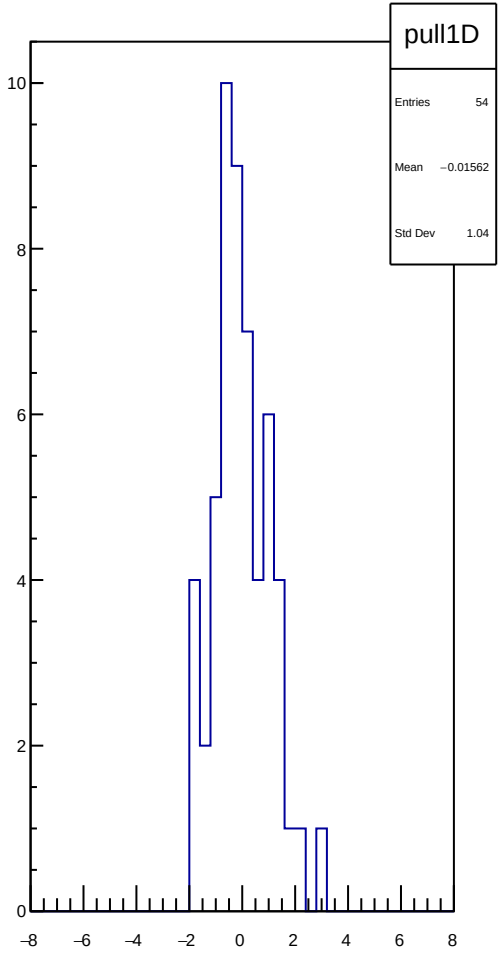

pull1D
Entries 54
Mean −0.01562
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

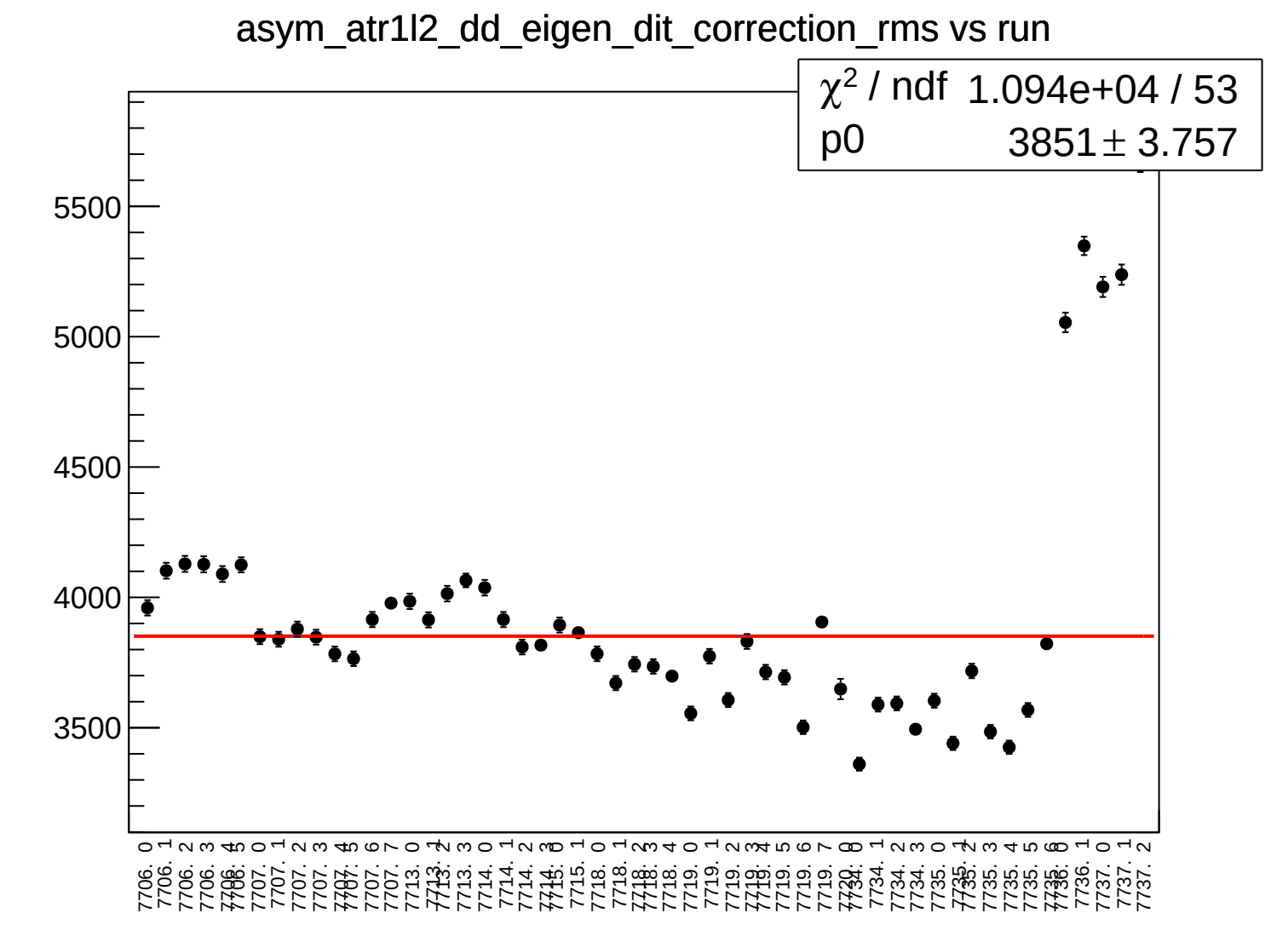

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 1.094e+04 / 53
p0 3851 ± 3.757
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

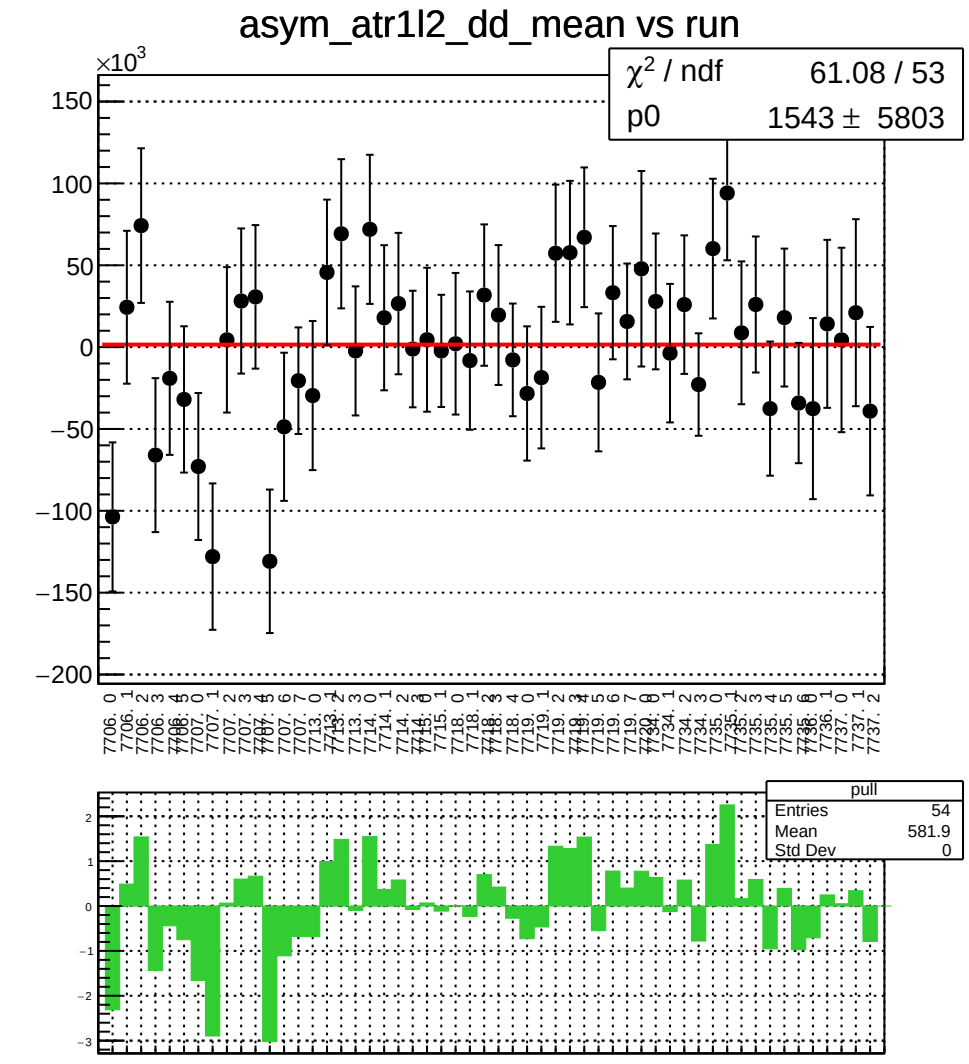

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 47.36 / 53
p0 705.8 ± 2438
pull
Entries 54
Mean −94.47
Std Dev 0
pull1D
Entries 54
Mean −0.01439
Std Dev 0.9364

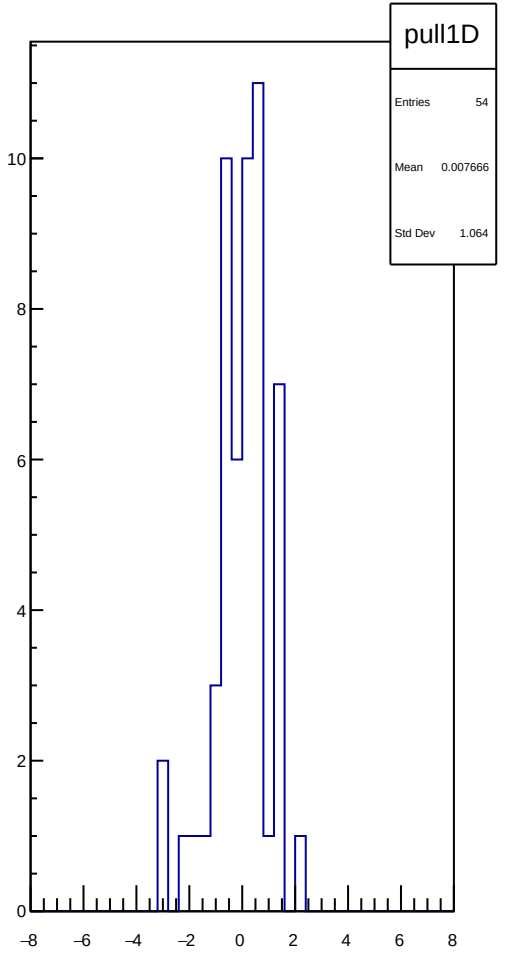

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 521.4 / 53
p0 1776 ± 1.724
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

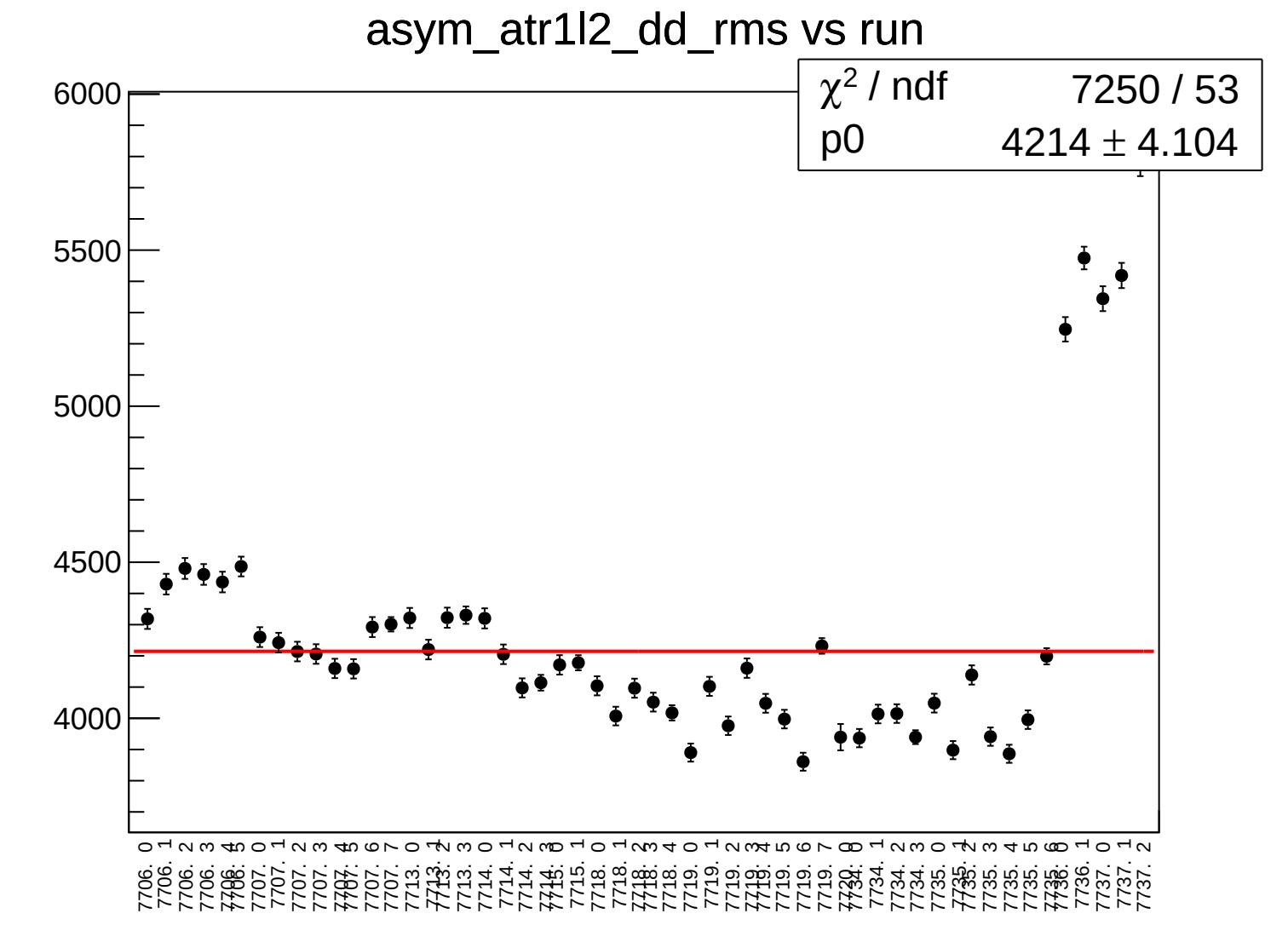

asym_atr1l2_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.4 / 53
p0 −724 ± 5313
×10³
pull
Entries 54
Mean 272.7
Std Dev 0

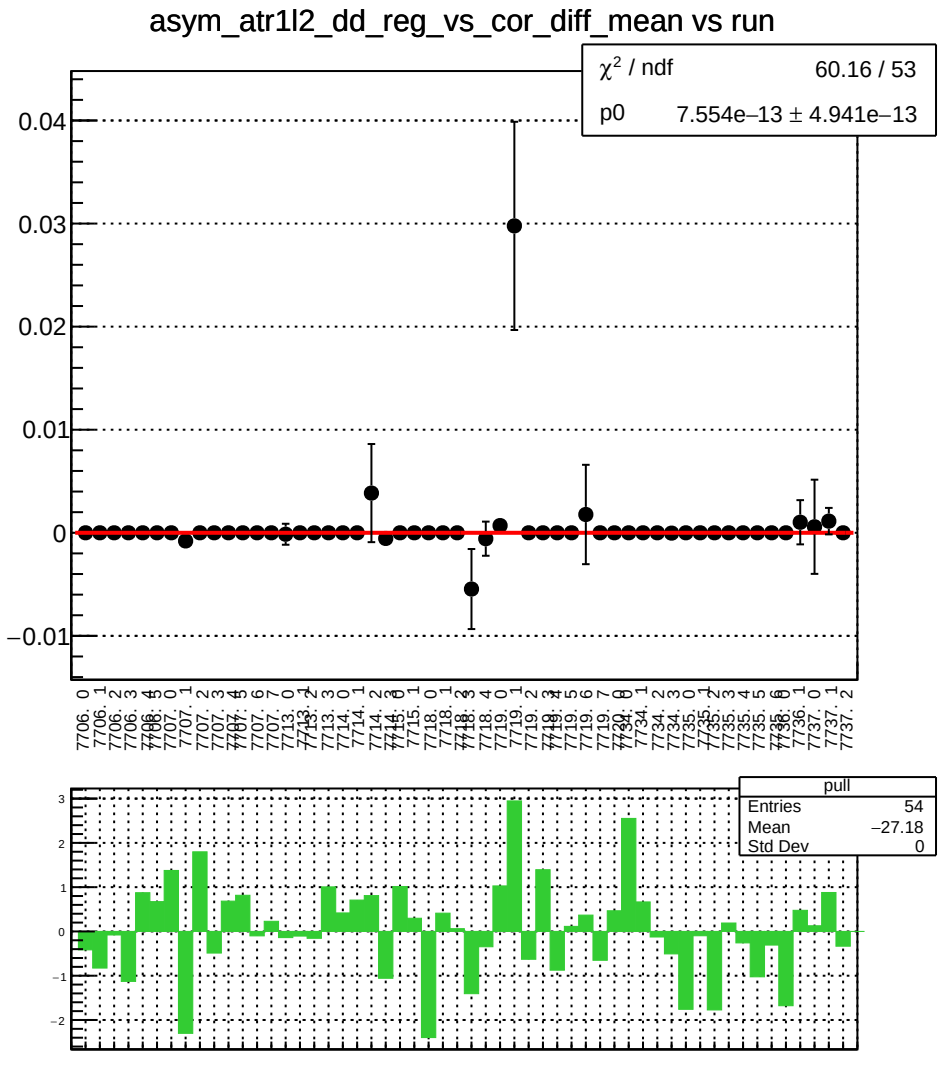

pull1D
Entries 54
Mean −0.01562
Std Dev 1.04

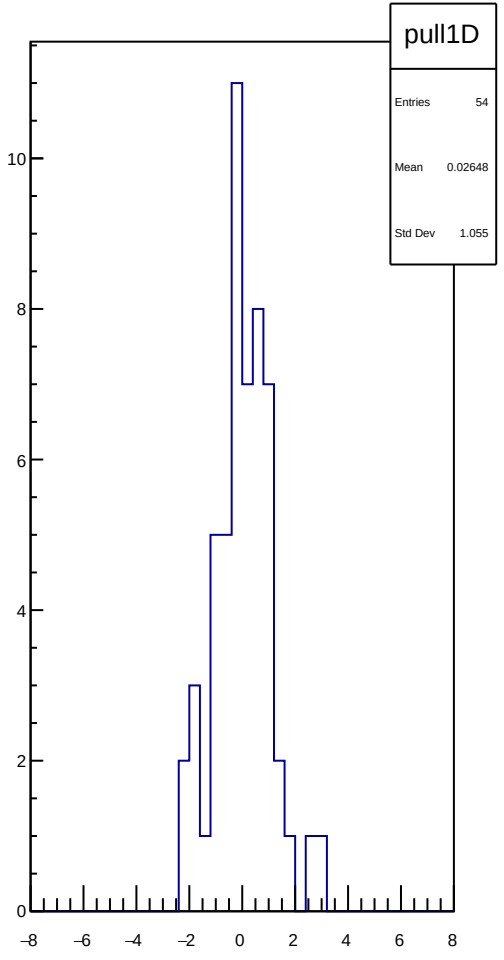

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1.094e+04 / 53
p0 3851 ± 3.757
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

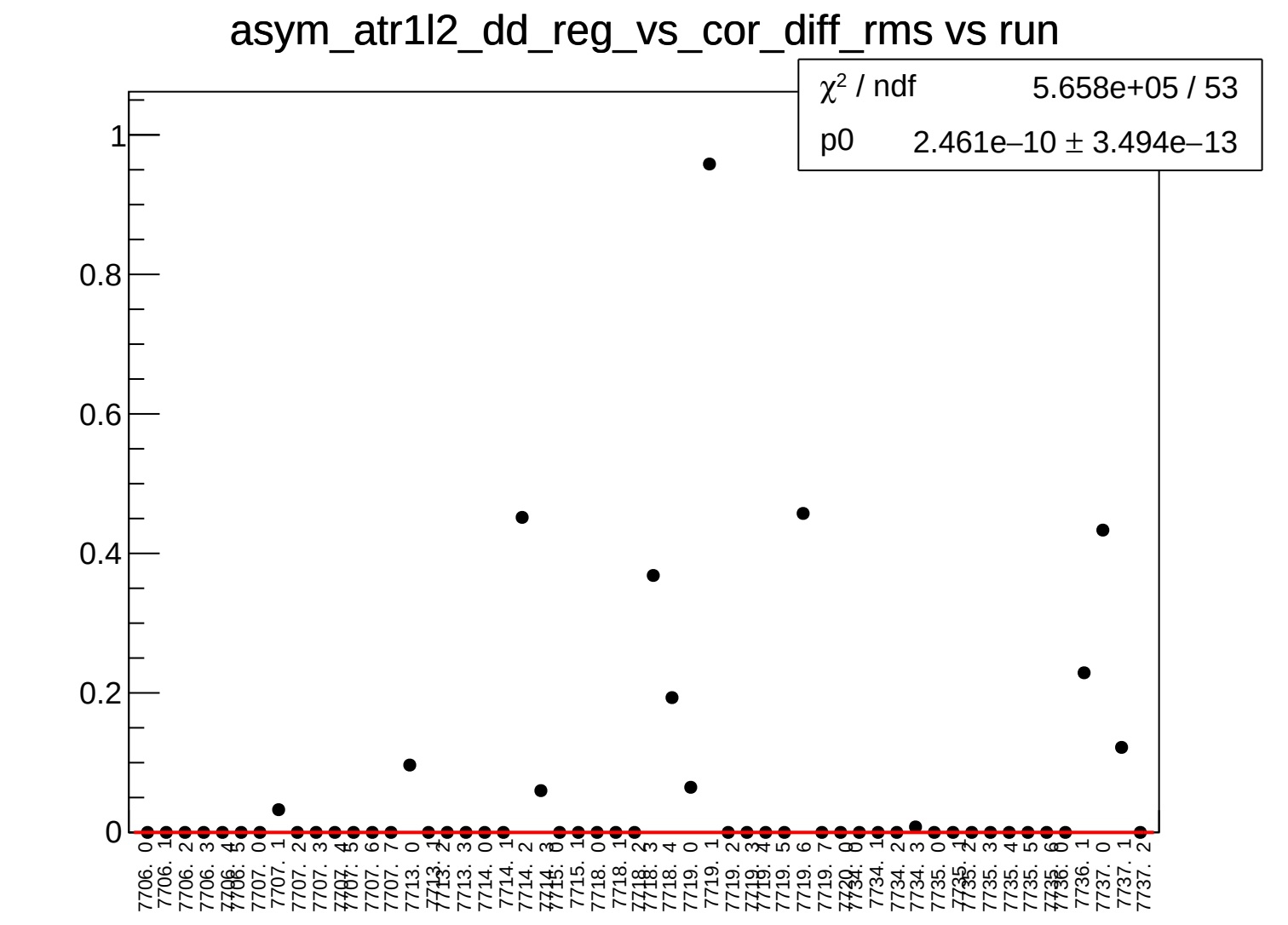

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 61.08 / 53
p0 1543 ± 5803
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 581.9
Std Dev 0
2
1
0
−1
−2
−3

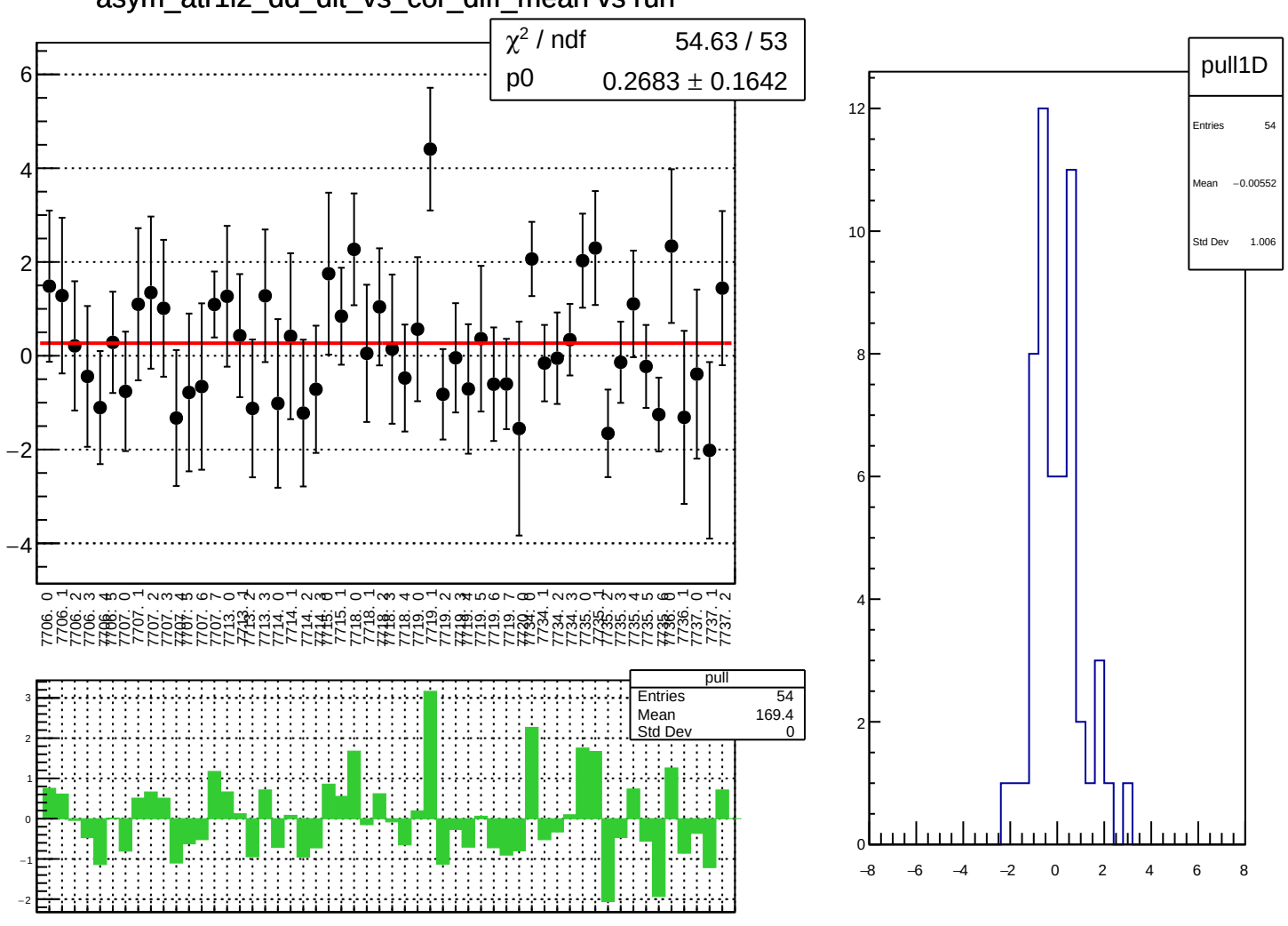

pull1D
Entries 54
Mean 0.007666
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

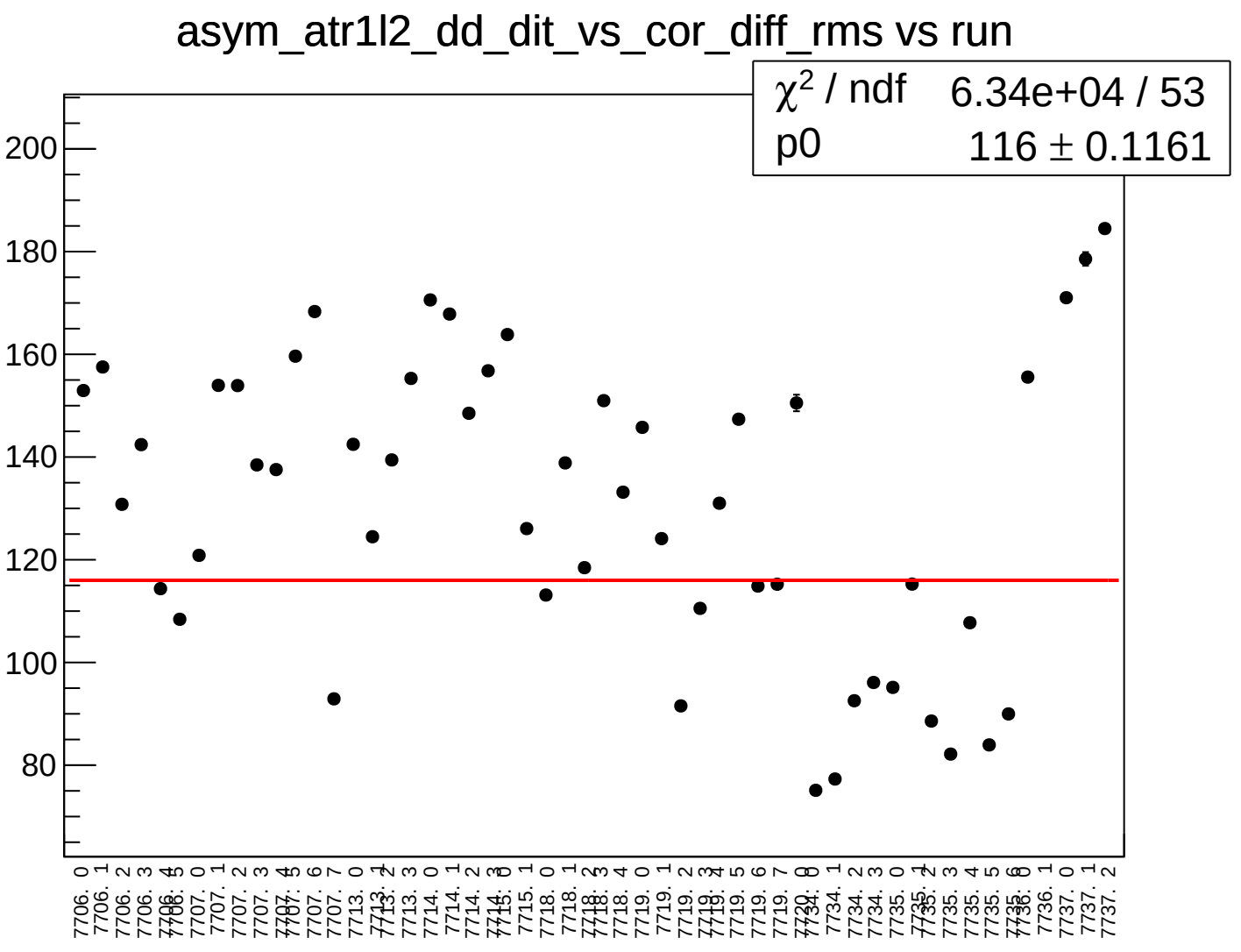

asym_atr1l2_dd_rms vs run
χ² / ndf 7250 / 53
p0 4214 ± 4.104
6000
5500
5000
4500
4000


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.16 / 53
p0 7.554e−13 ± 4.941e−13
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 54
Mean −27.18
Std Dev 0
3
2
1
0
−1
−2

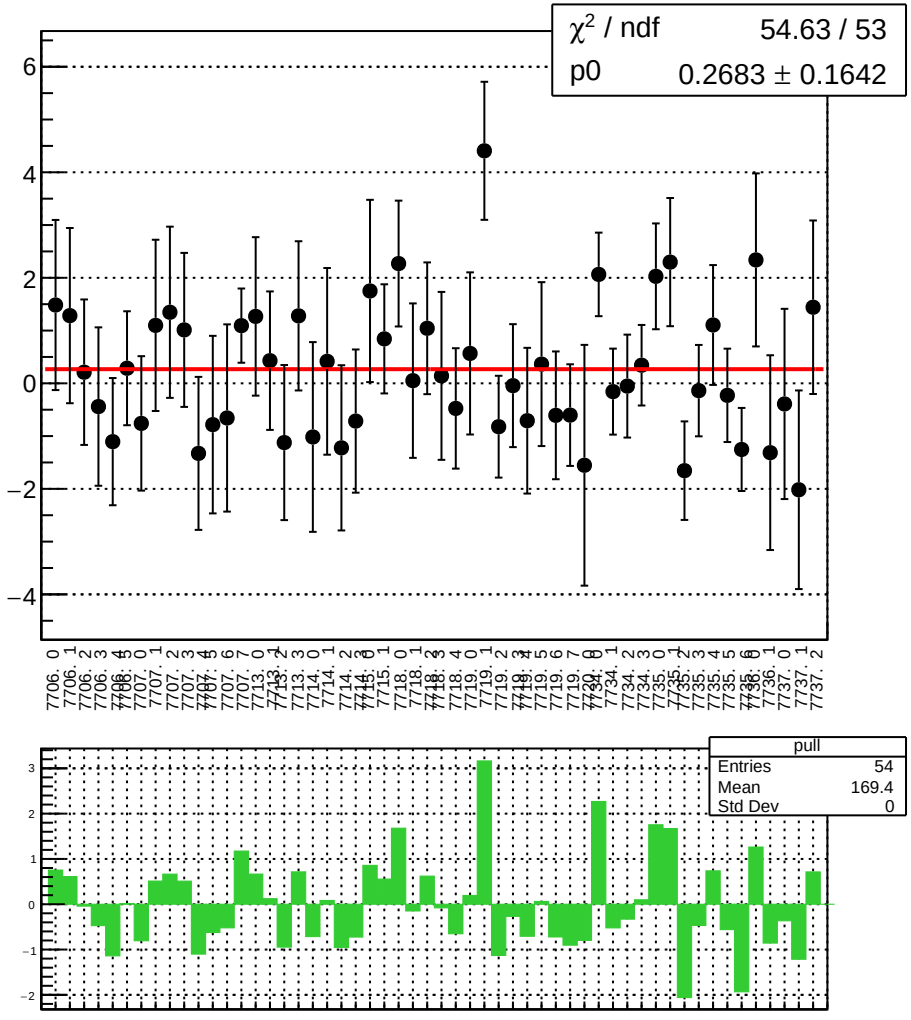

pull1D
Entries 54
Mean 0.02648
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

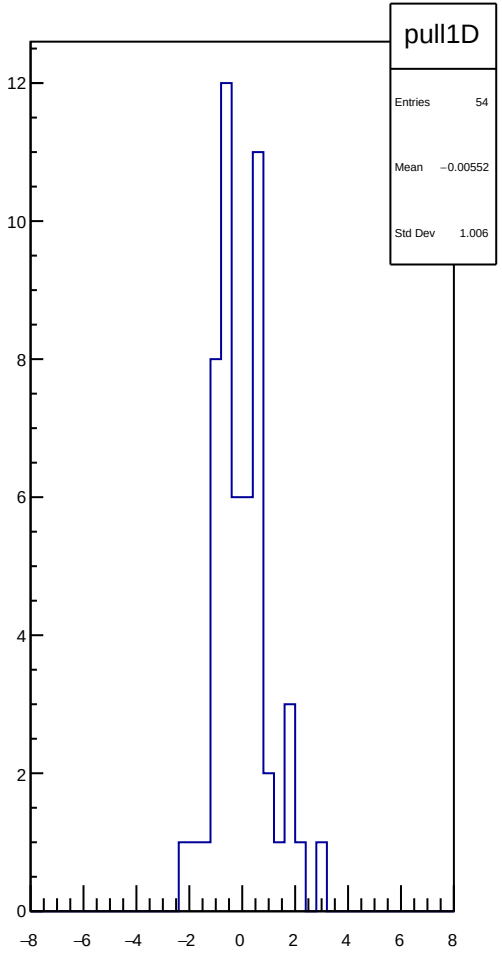

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.658e+05 / 53
p0 2.461e−10 ± 3.494e−13
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

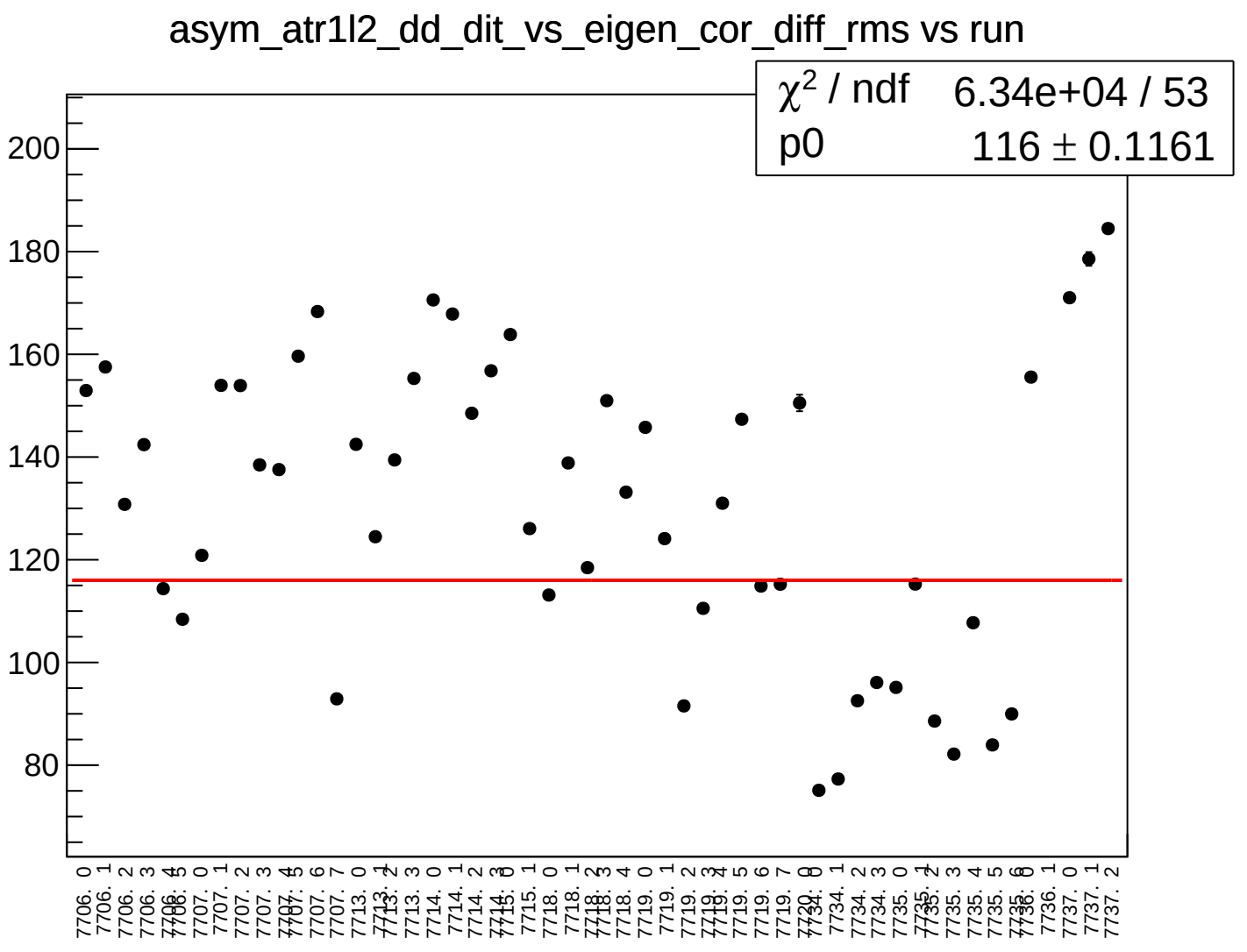

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.63 / 53
p0 0.2683 ± 0.1642
pull
Entries 54
Mean 169.4
Std Dev 0
pull1D
Entries 54
Mean −0.00552
Std Dev 1.006

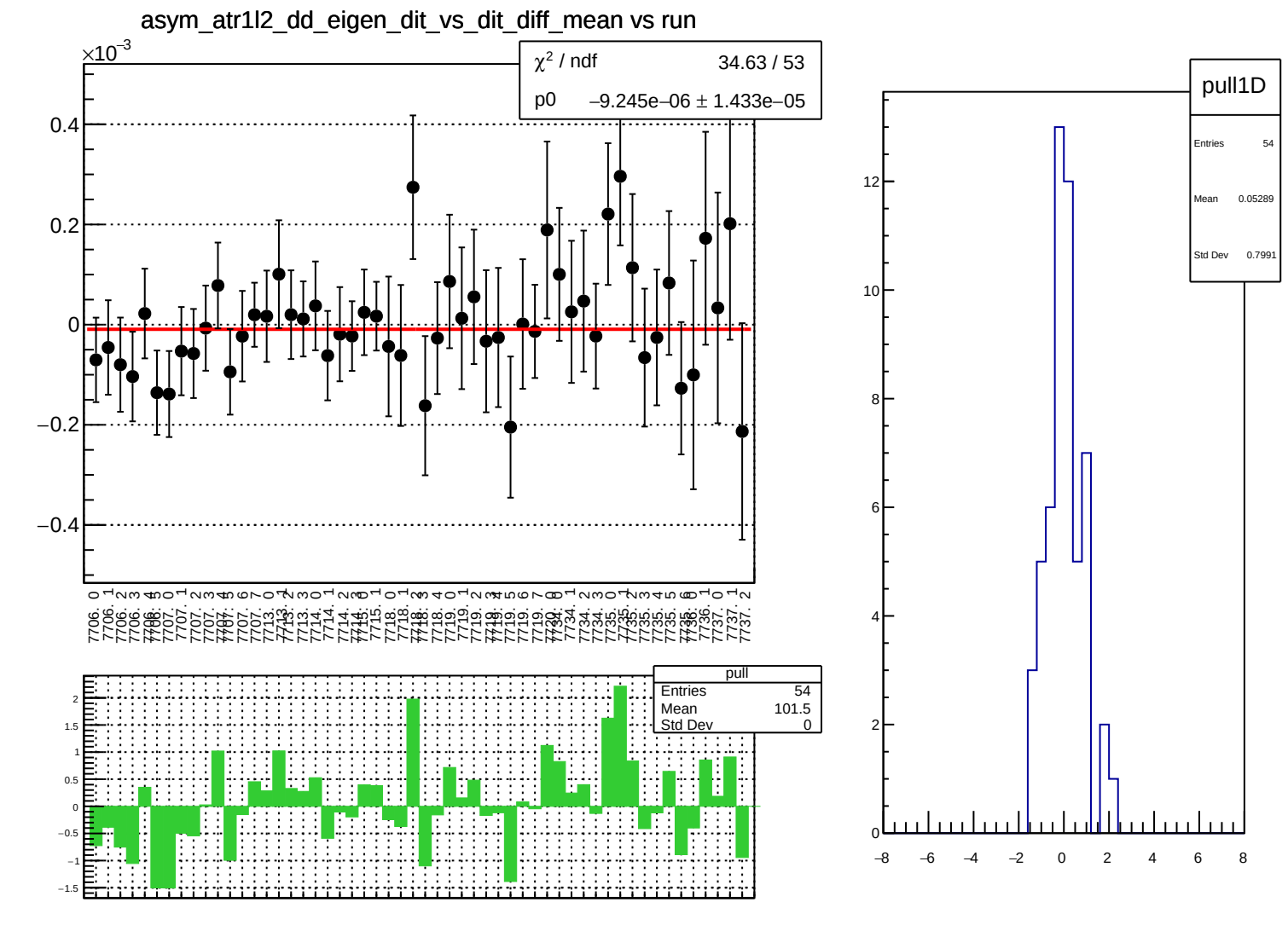

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.34e+04 / 53
p0 116 ± 0.1161
200
180
160
140
120
100
80

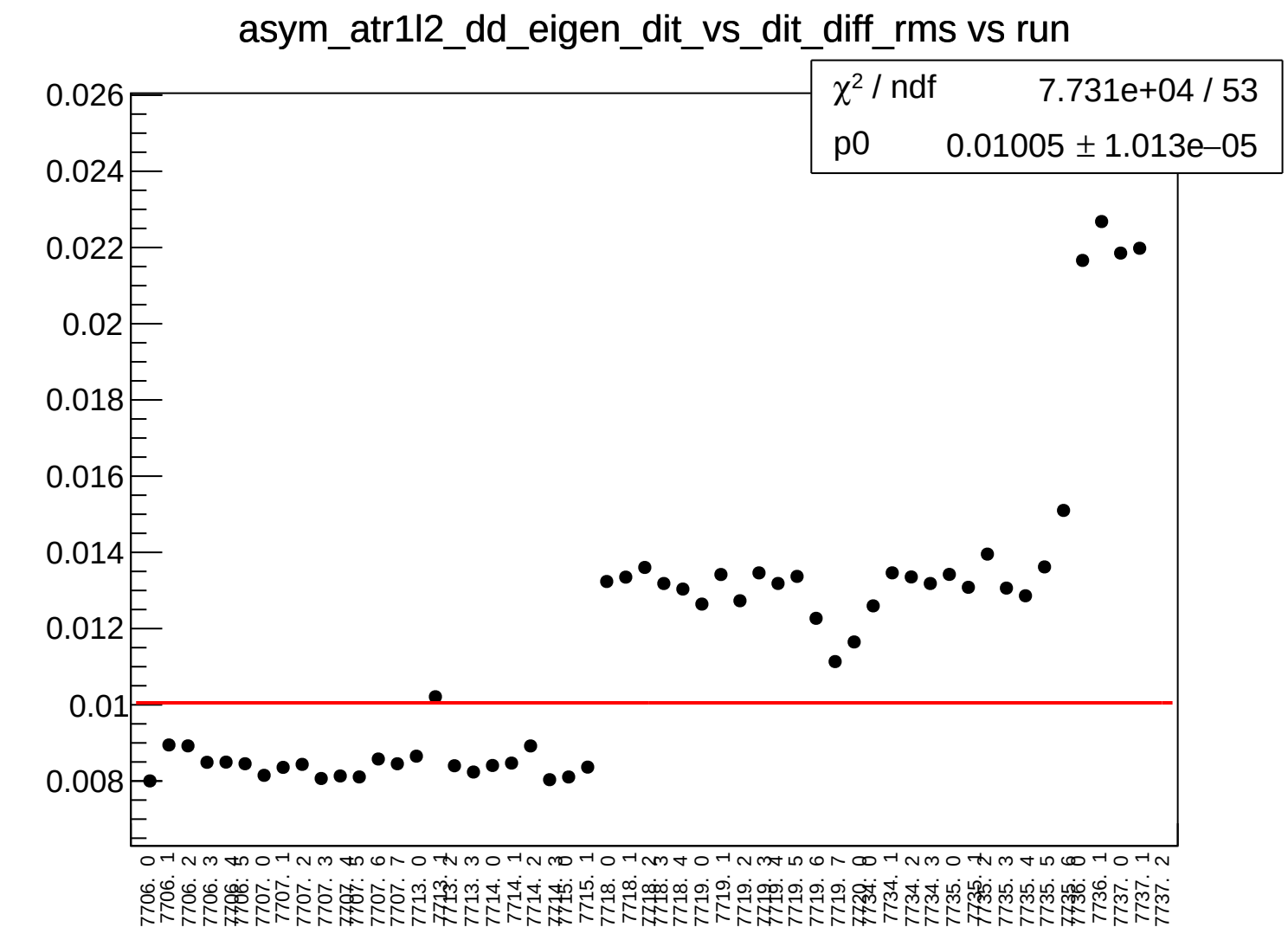
asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run



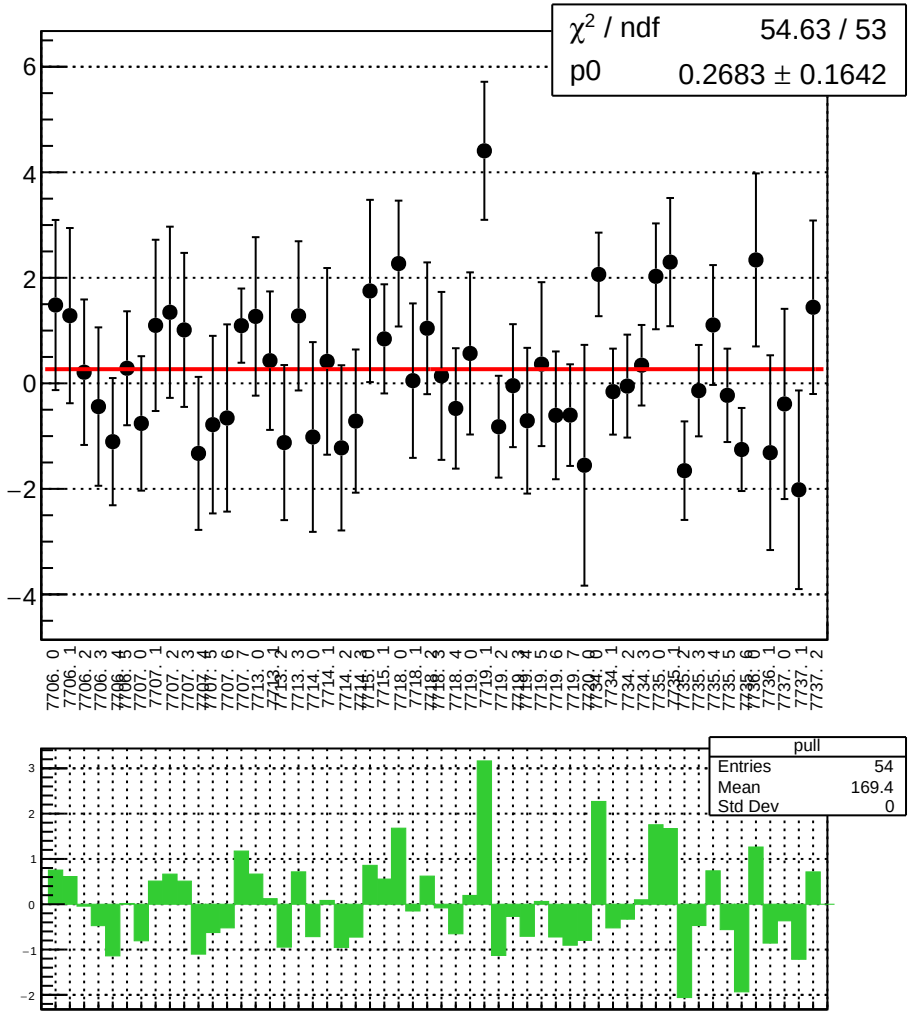


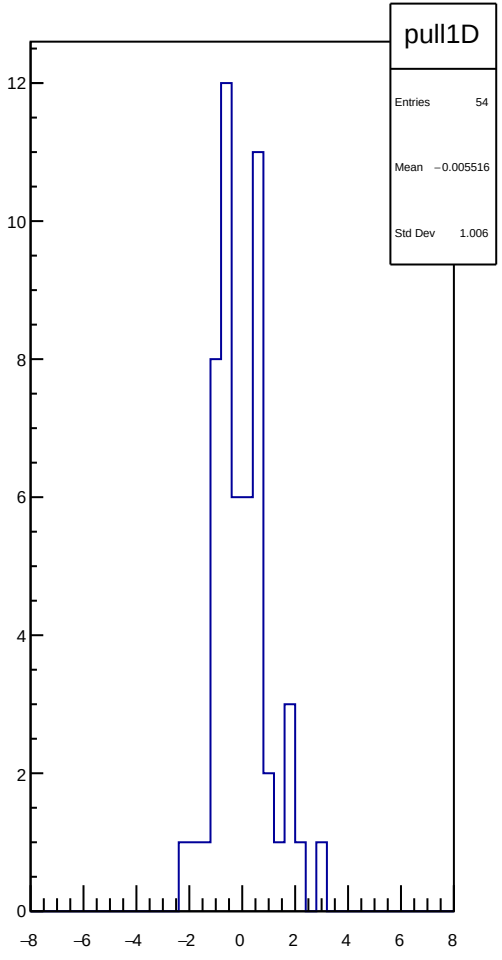

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.34e+04 / 53
p0 116 ± 0.1161
200
180
160
140
120
100
80

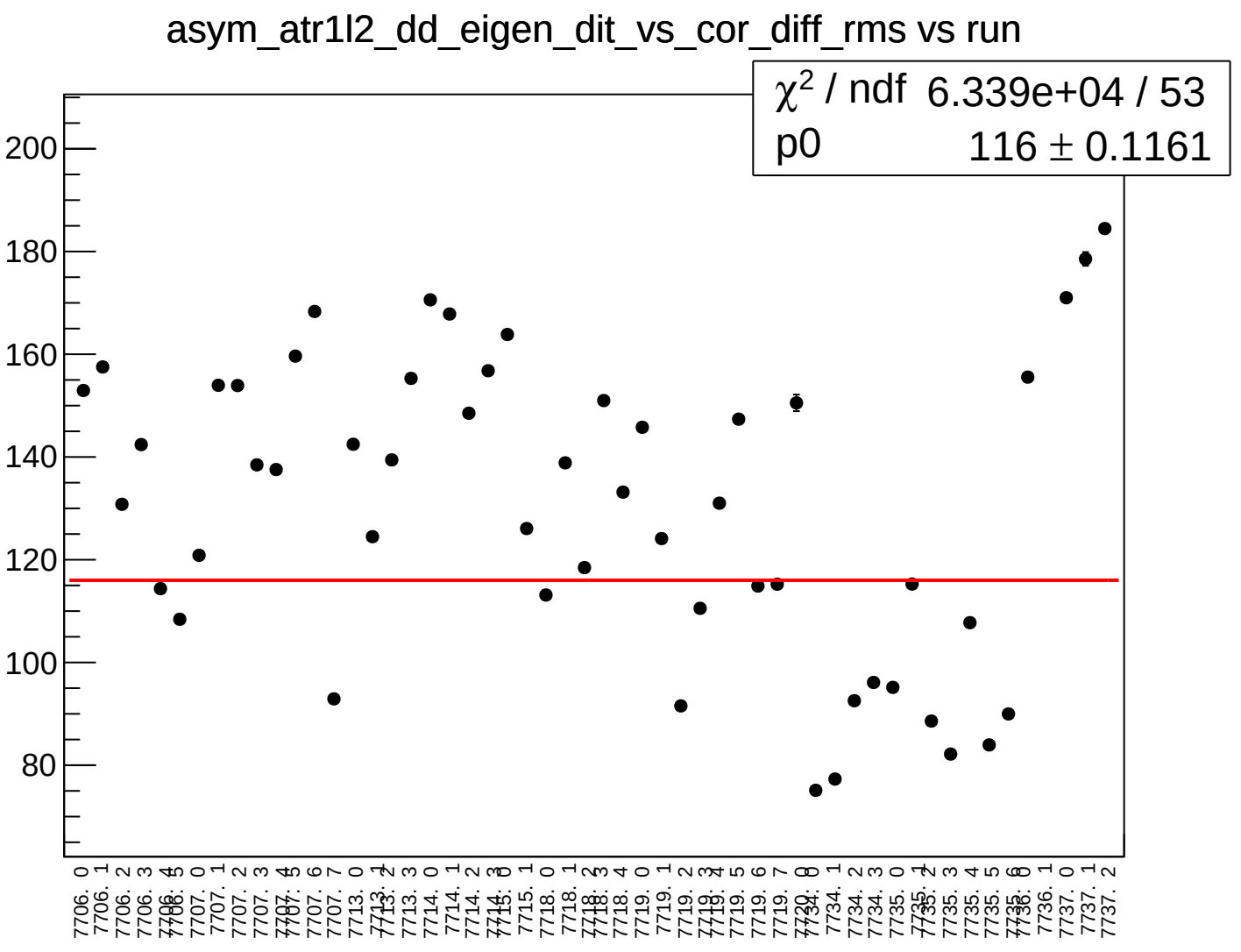

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.63 / 53
p0 −9.245e−06 ± 1.433e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 101.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.05289
Std Dev 0.7991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.731e+04 / 53
p0 0.01005 ± 1.013e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

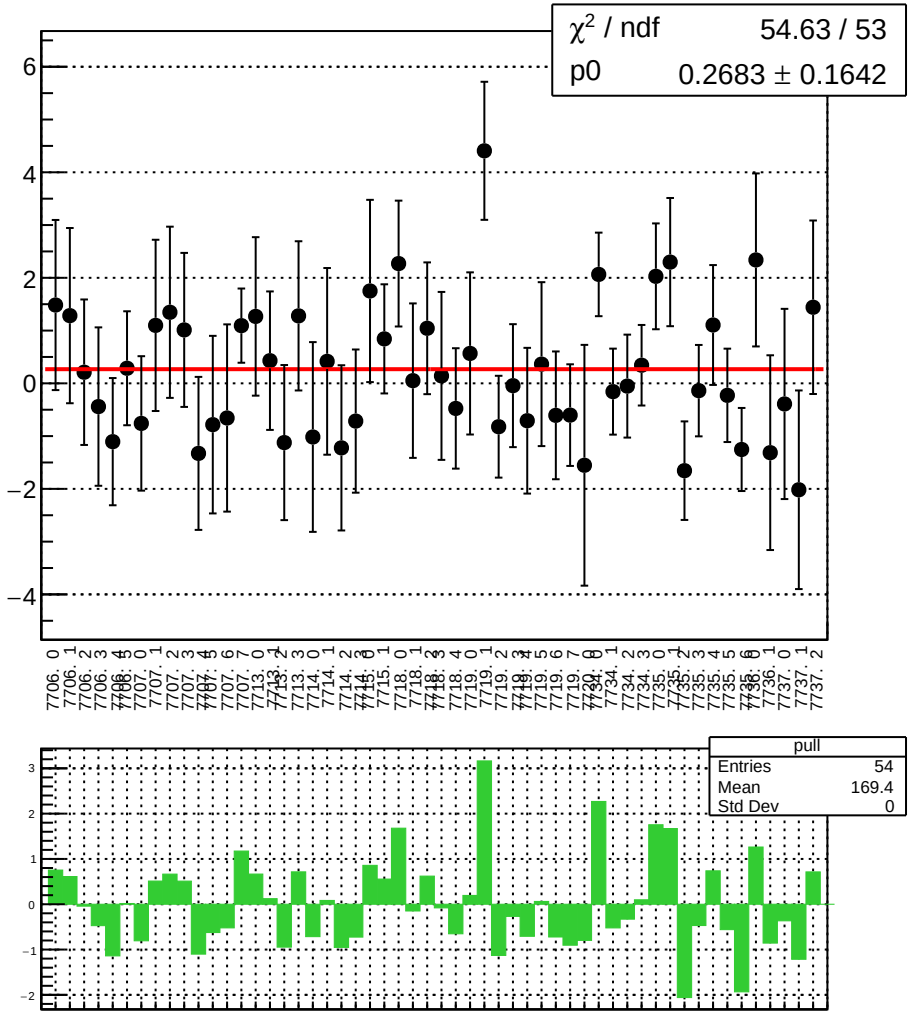
asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run

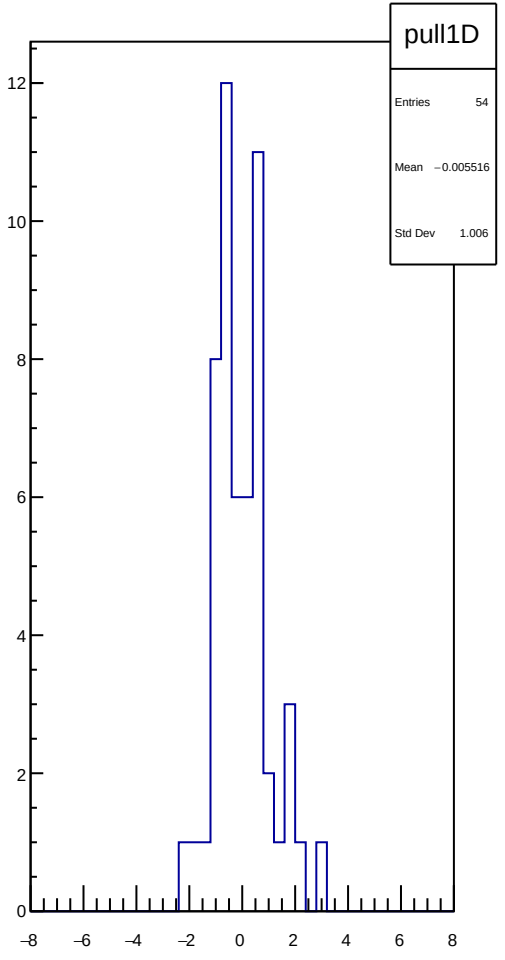


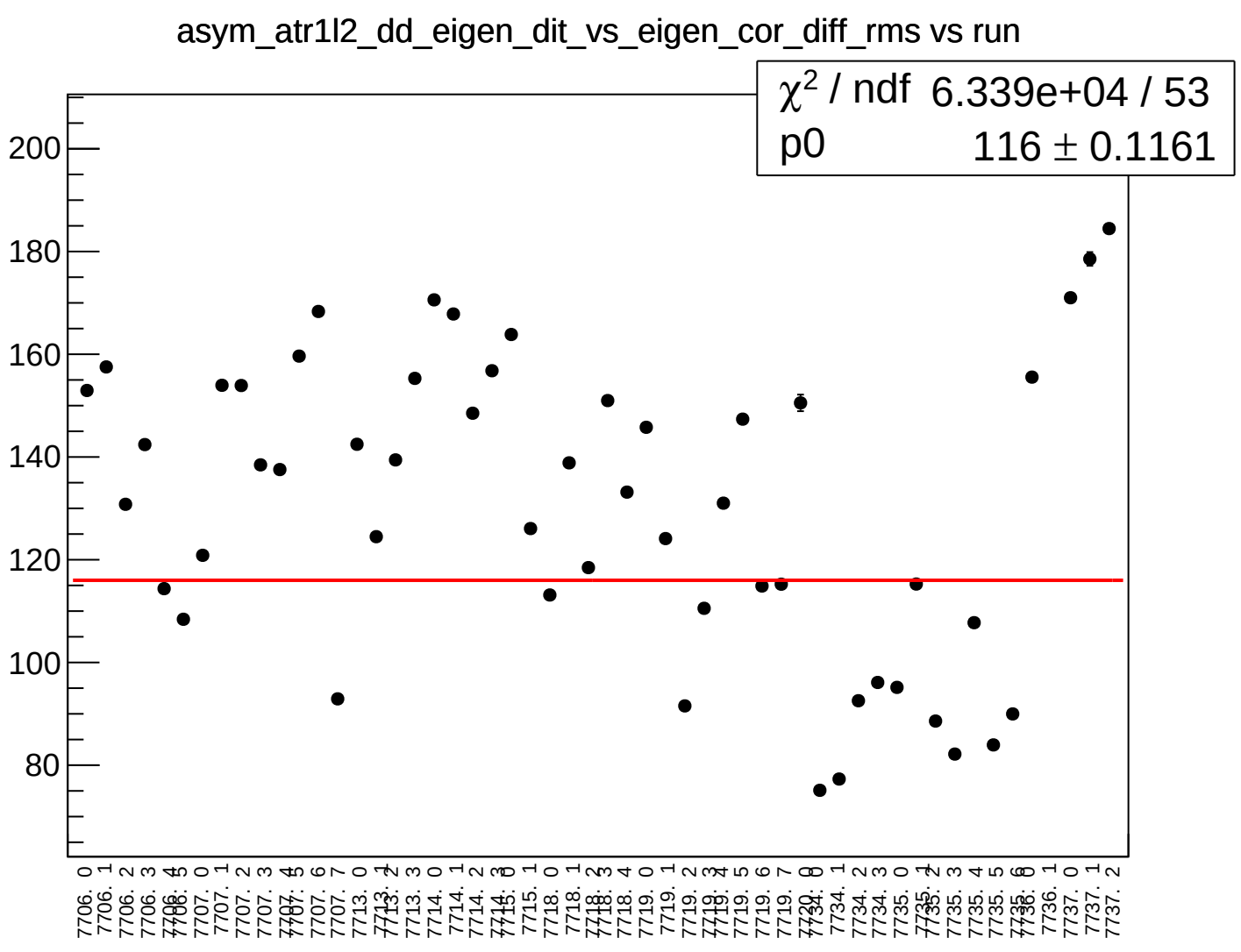


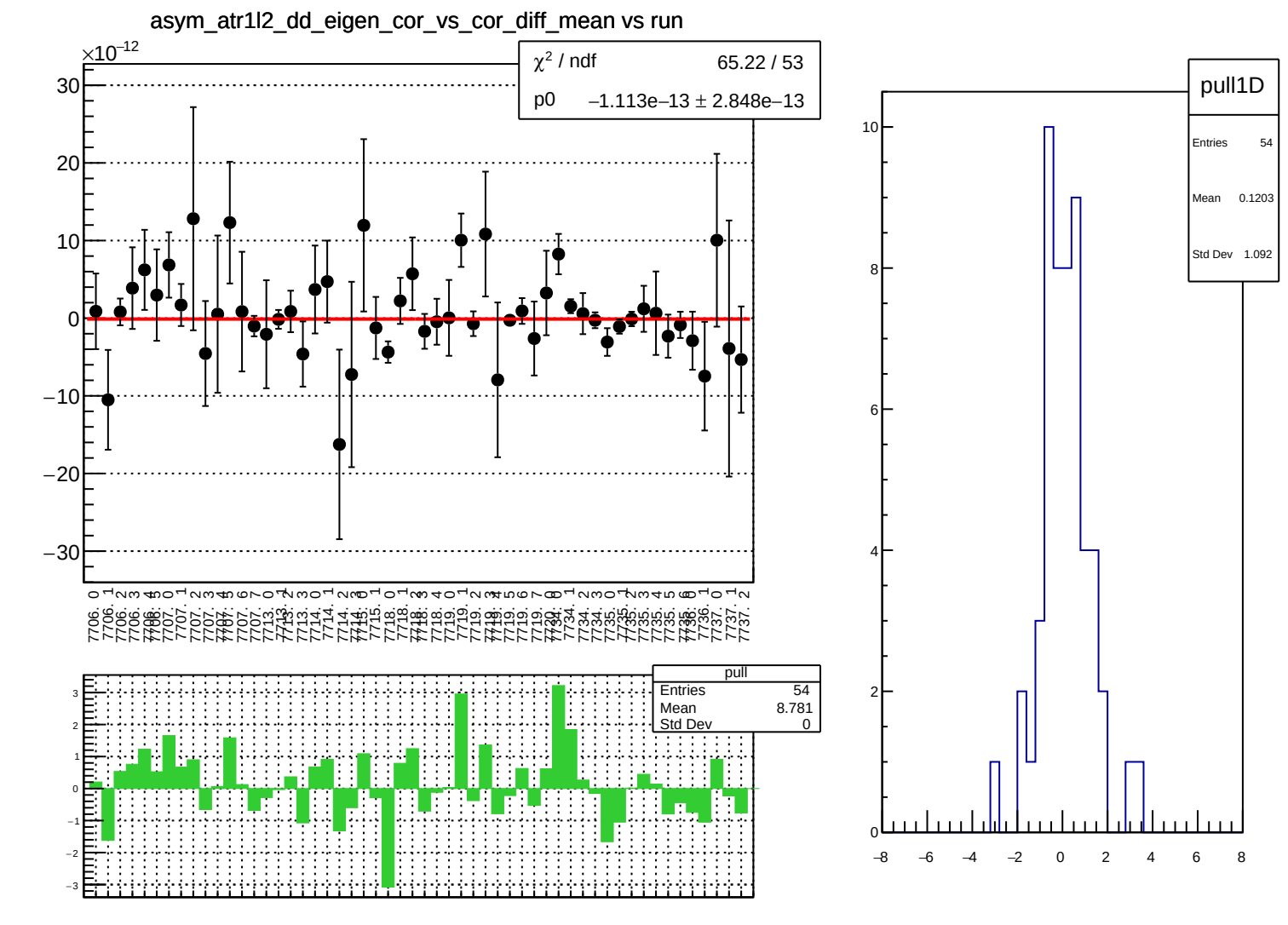

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.339e+04 / 53
p0 116 ± 0.1161
200
180
160
140
120
100
80

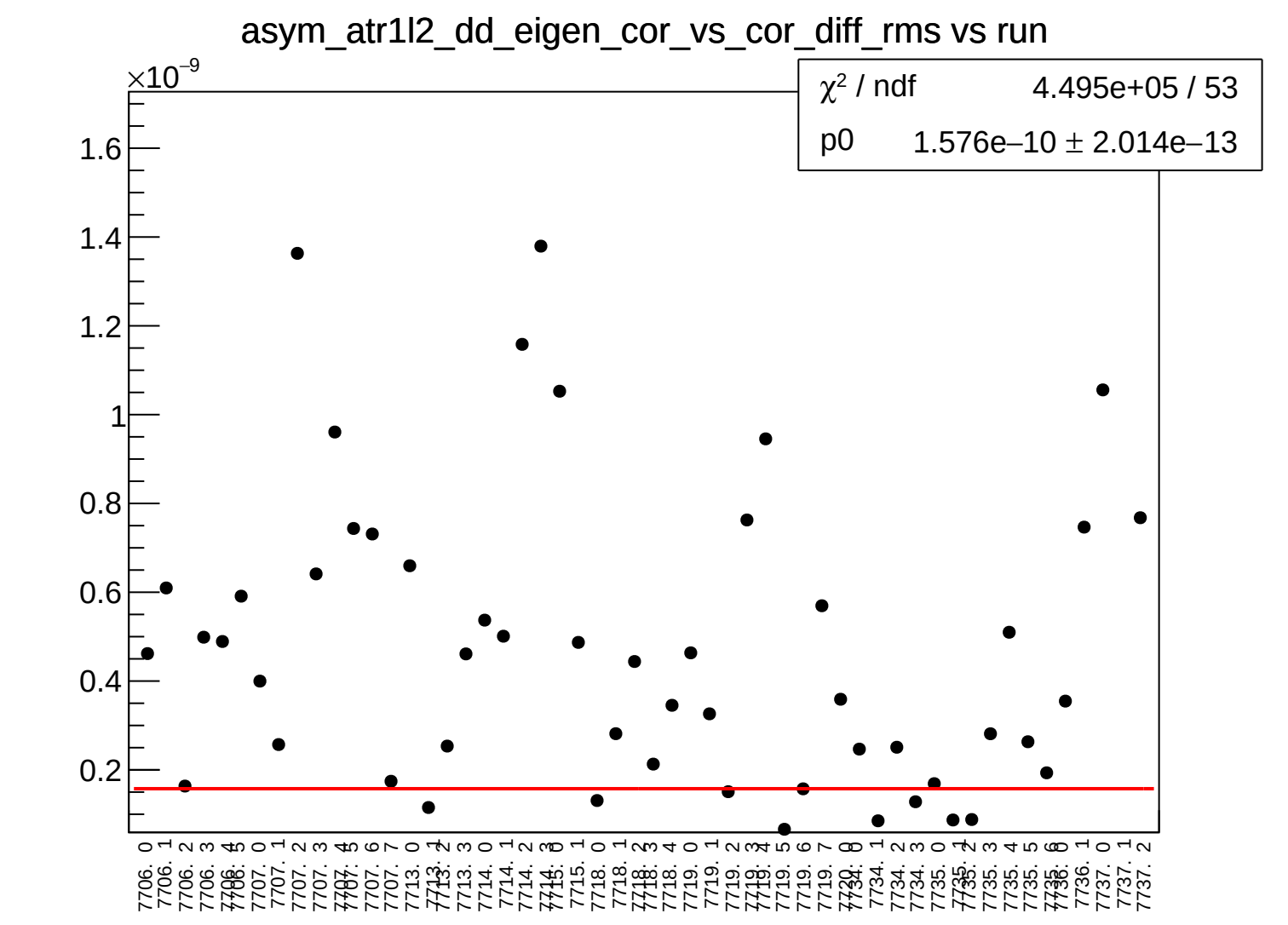
asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

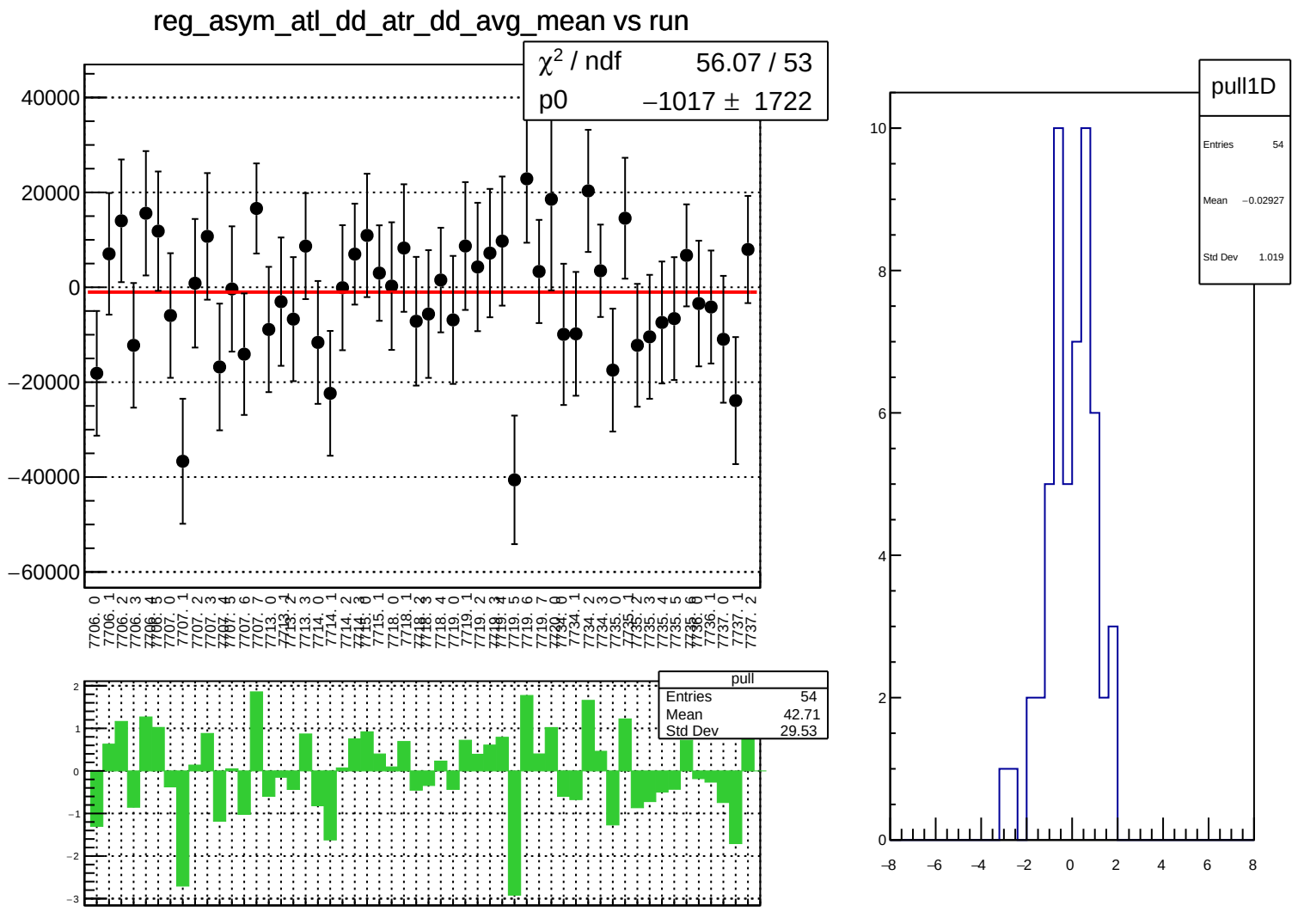


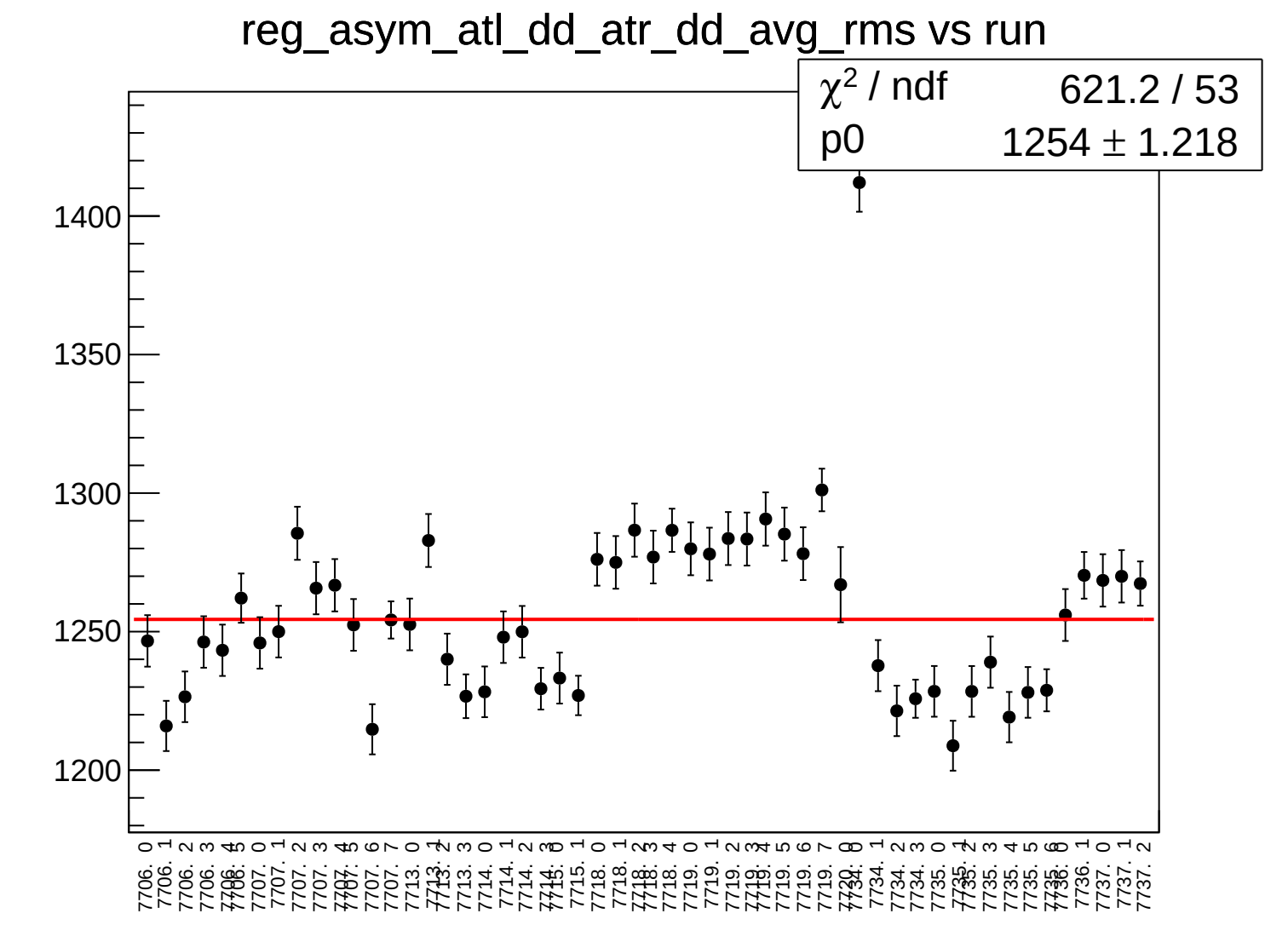


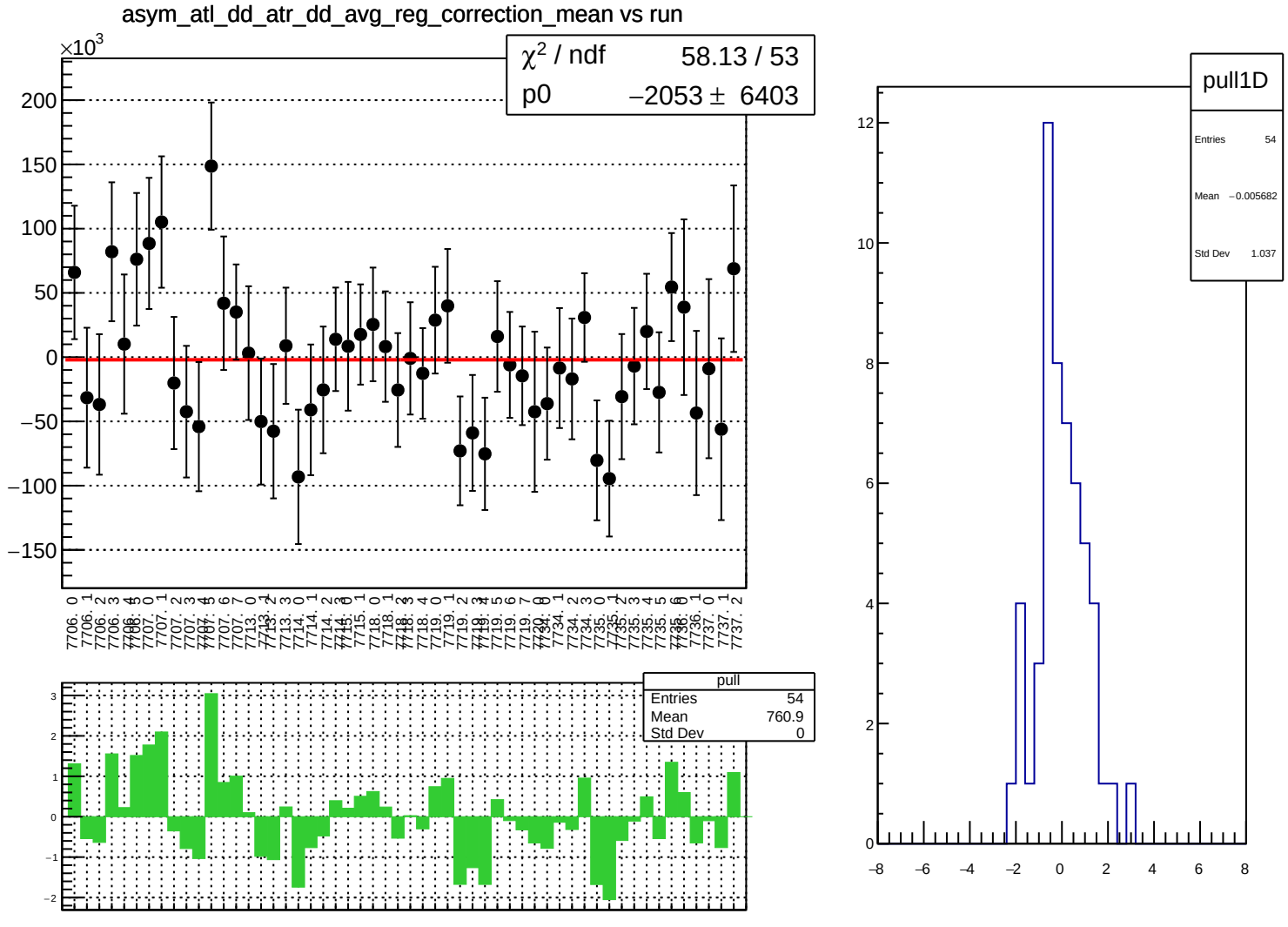

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.339e+04 / 53
p0 116 ± 0.1161
200
180
160
140
120
100
80

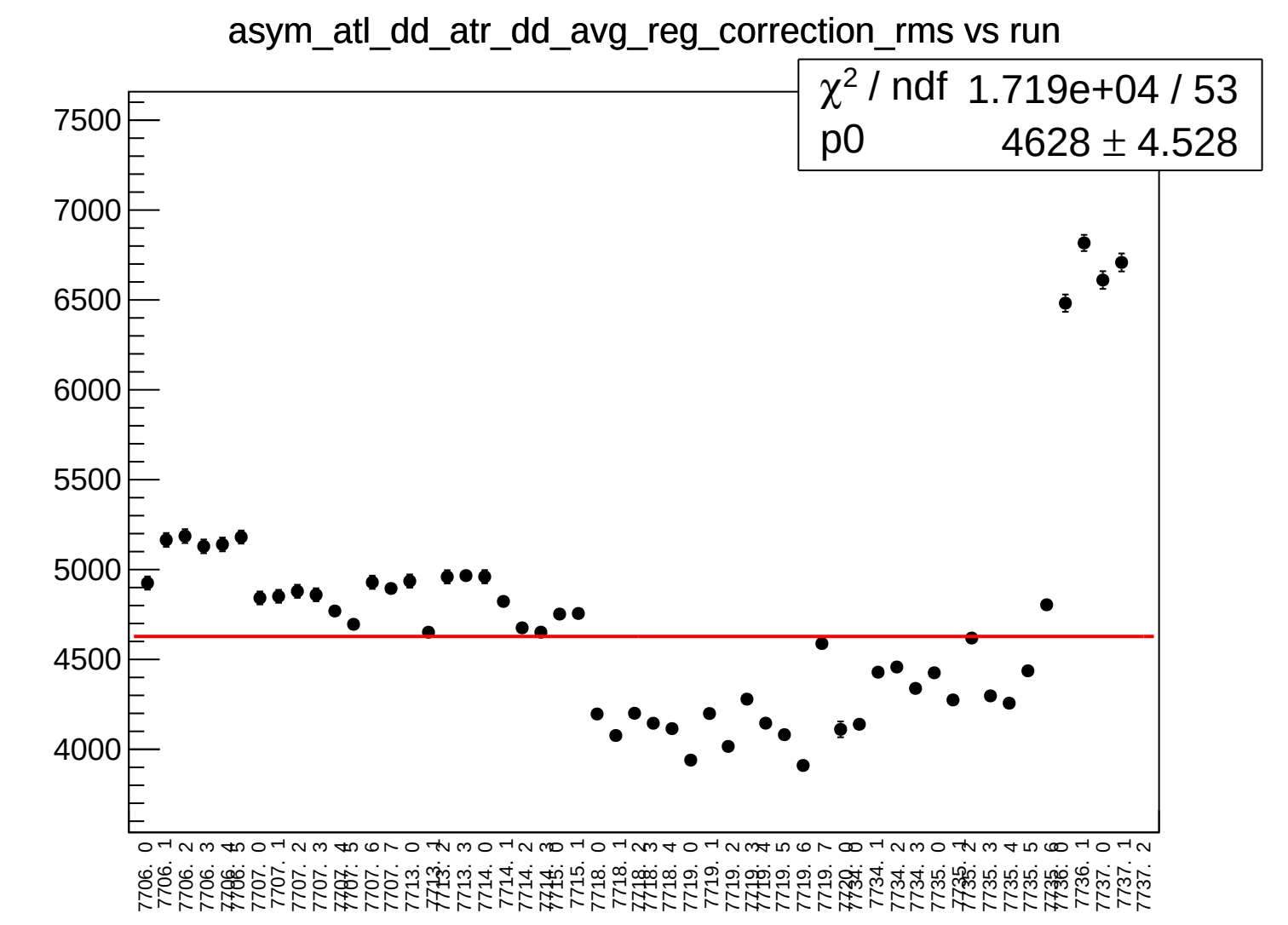

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.22 / 53
p0 −1.113e−13 ± 2.848e−13
pull
Entries 54
Mean 8.781
Std Dev 0
pull1D
Entries 54
Mean 0.1203
Std Dev 1.092

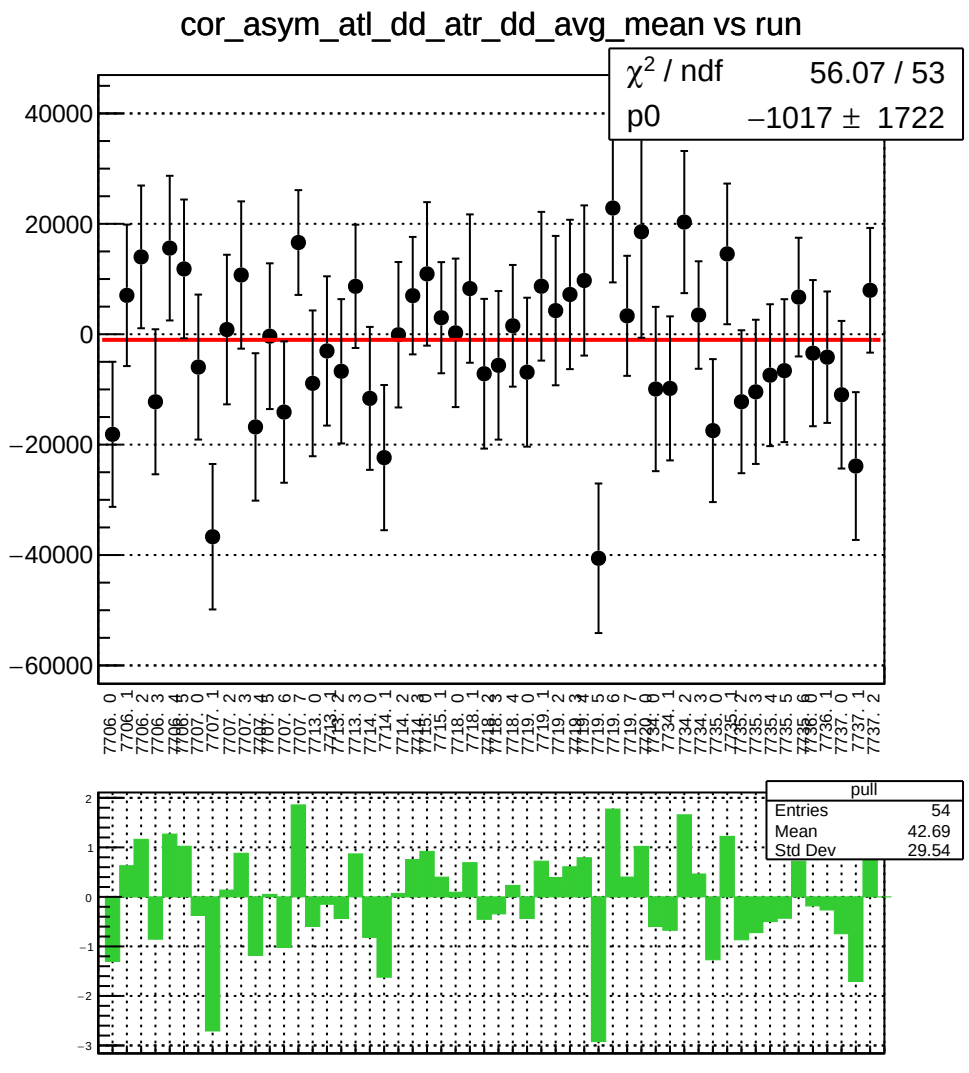

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.495e+05 / 53
p0 1.576e−10 ± 2.014e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

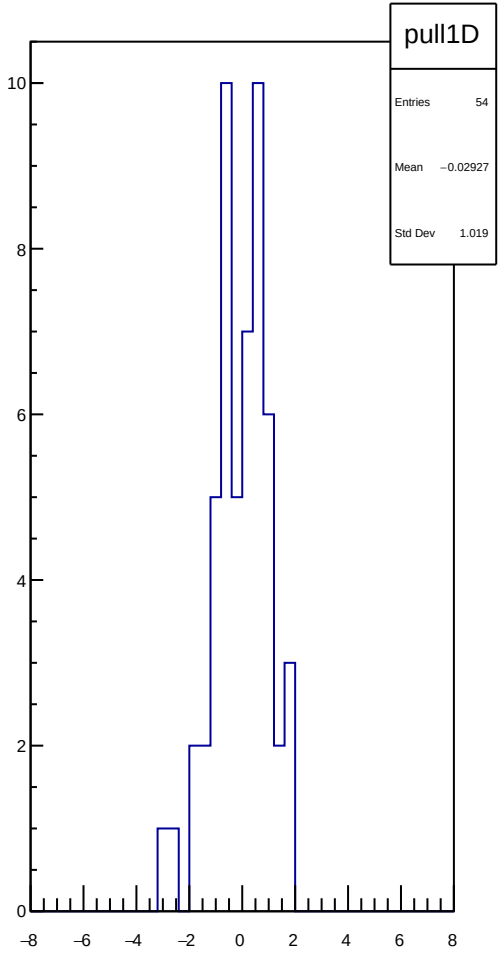

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
pull
Entries 54
Mean 42.71
Std Dev 29.53
pull1D
Entries 54
Mean −0.02927
Std Dev 1.019

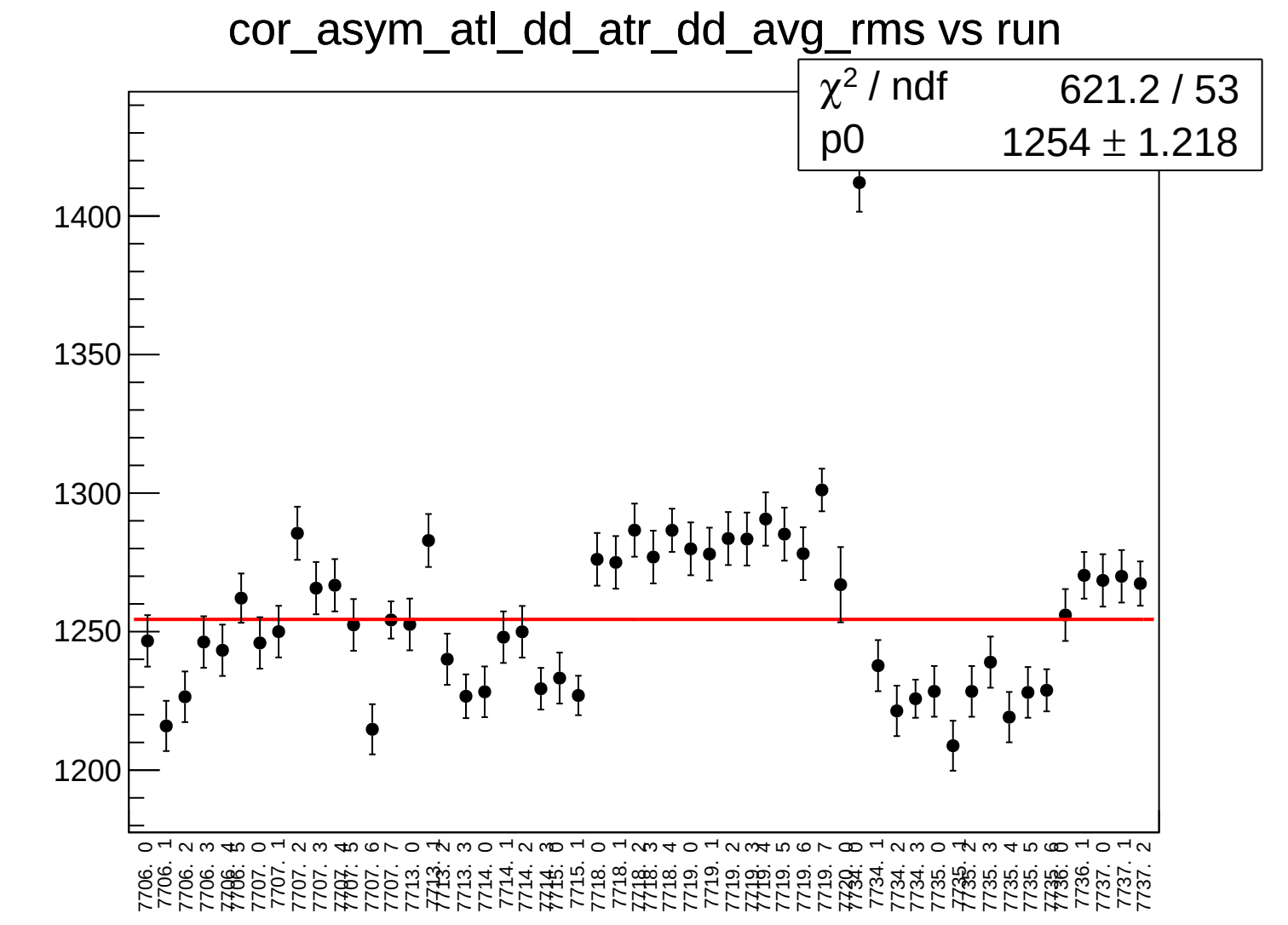

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

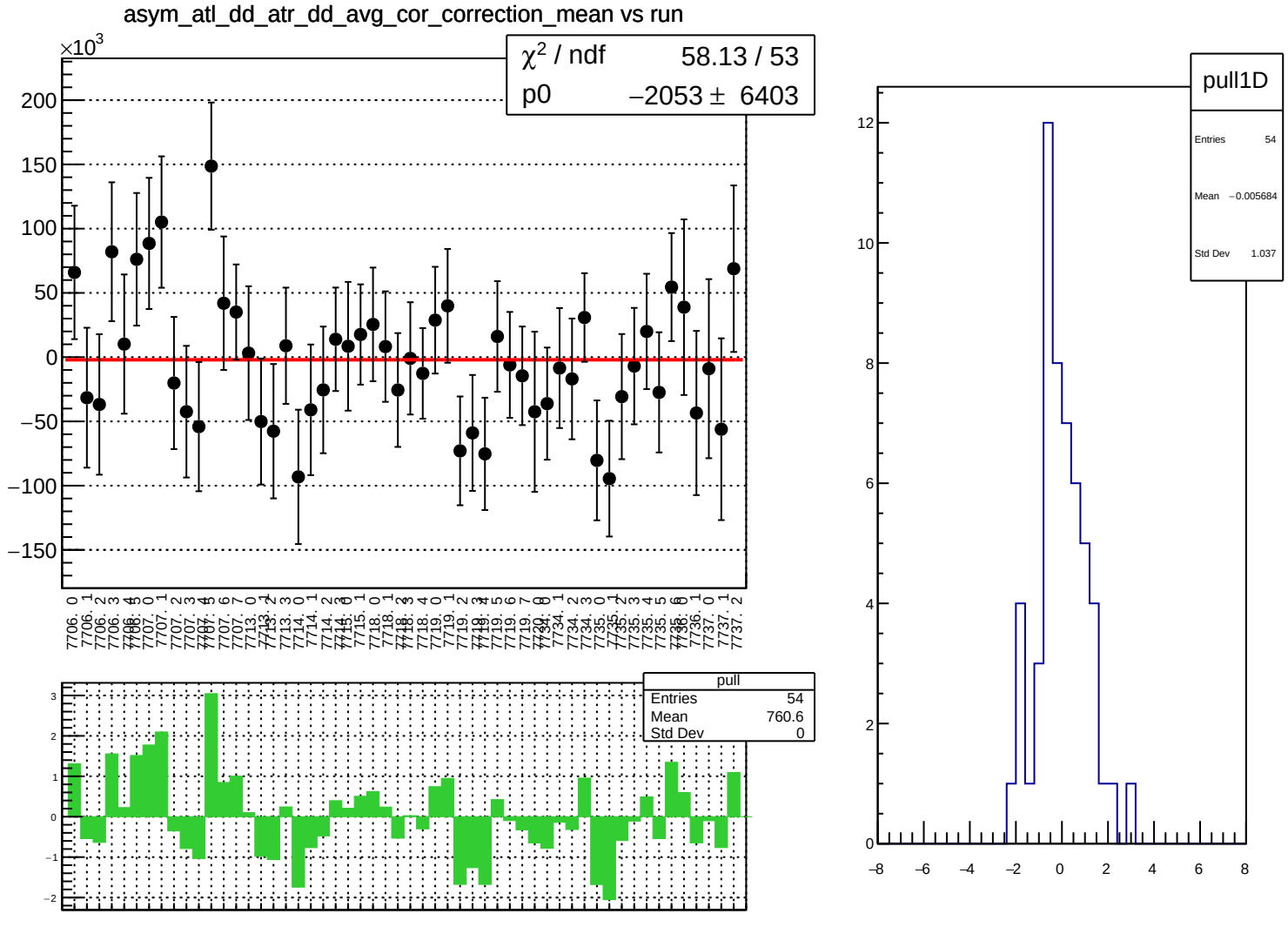

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 760.9
Std Dev 0
pull1D
Entries 54
Mean −0.005682
Std Dev 1.037

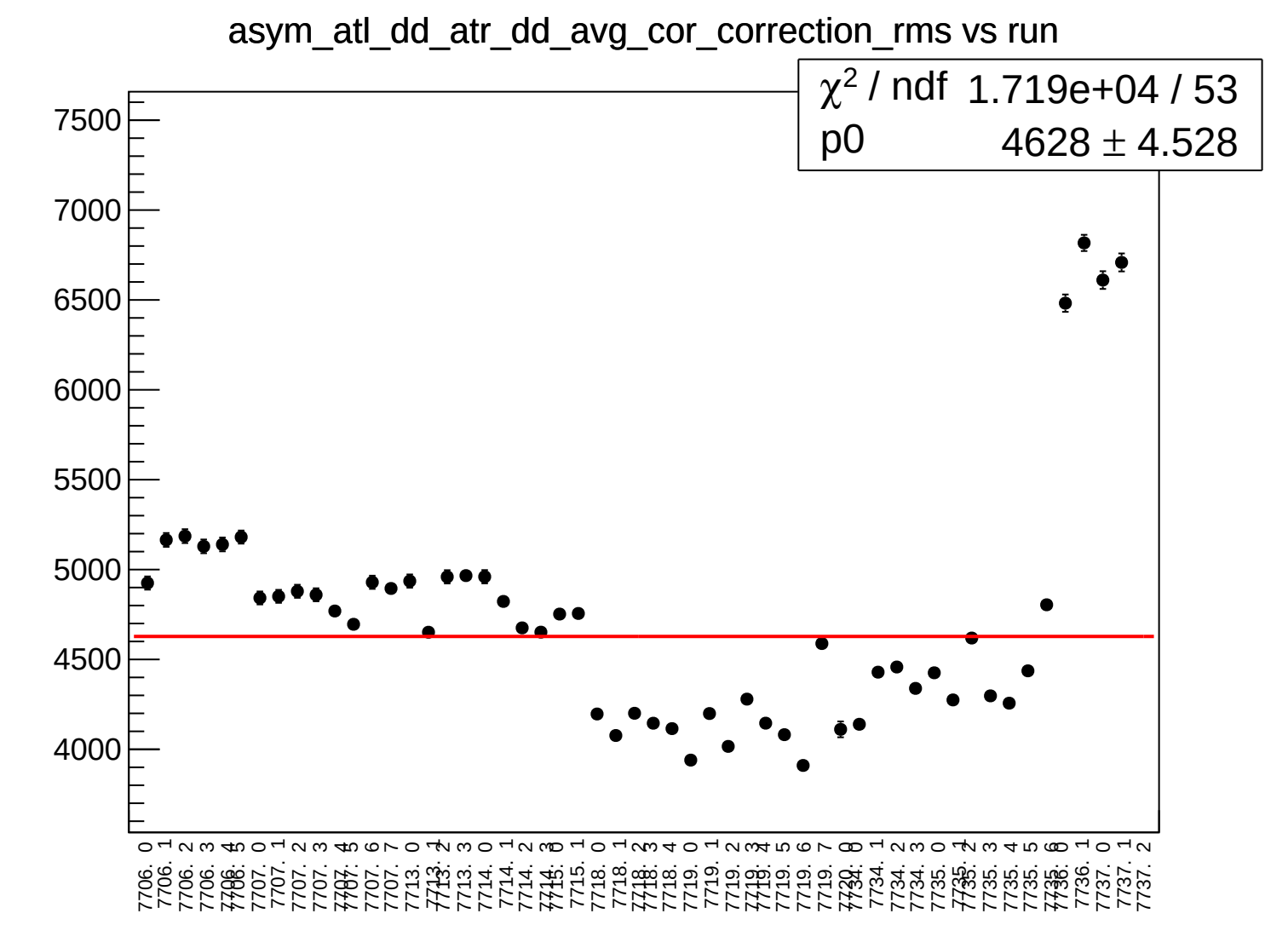

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

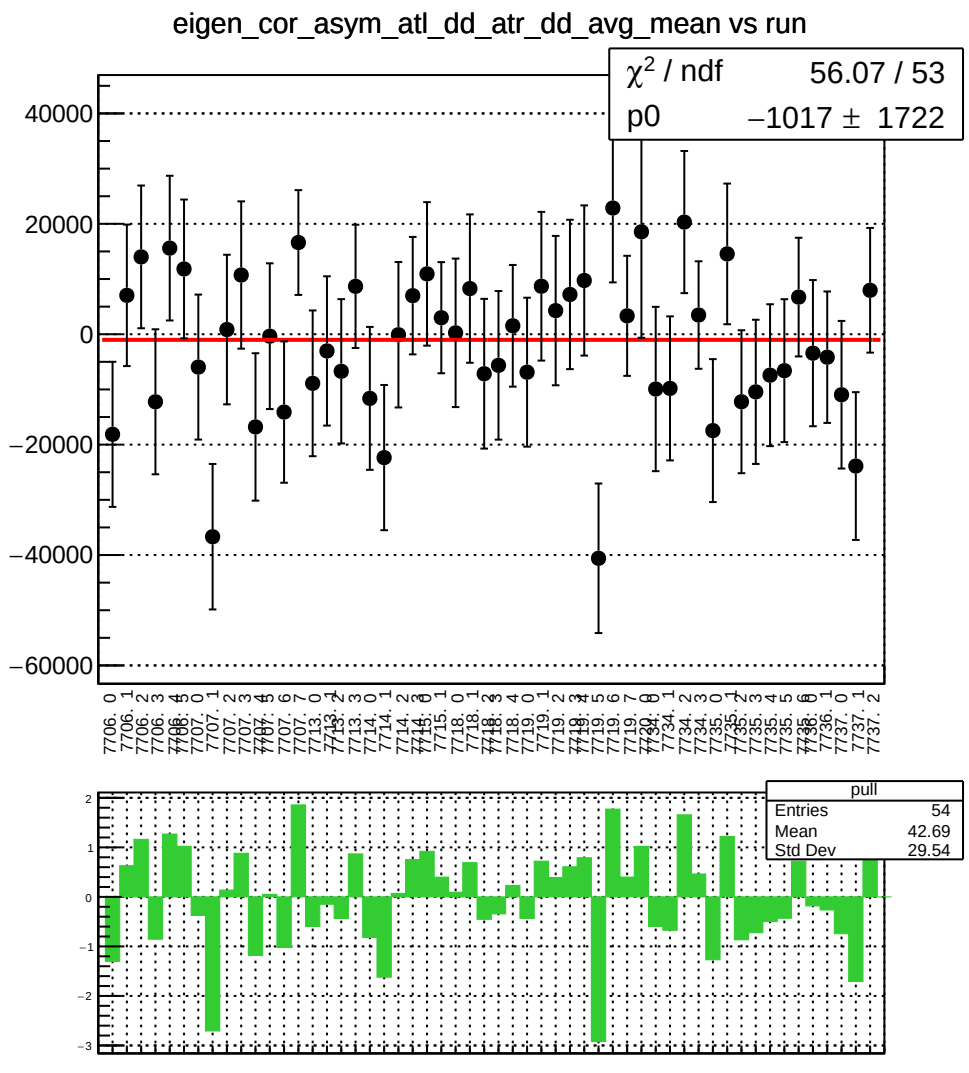

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.69
Std Dev 29.54
2
1
0
−1
−2
−3

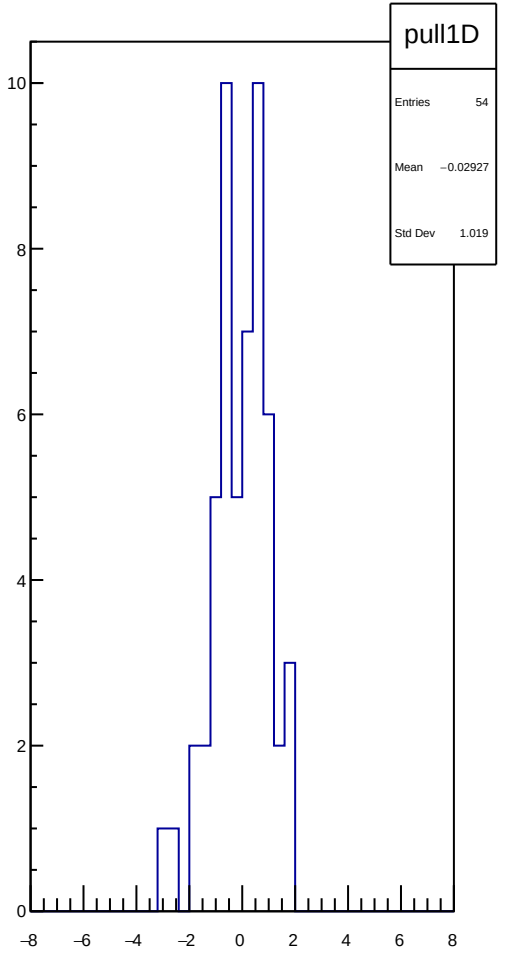

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

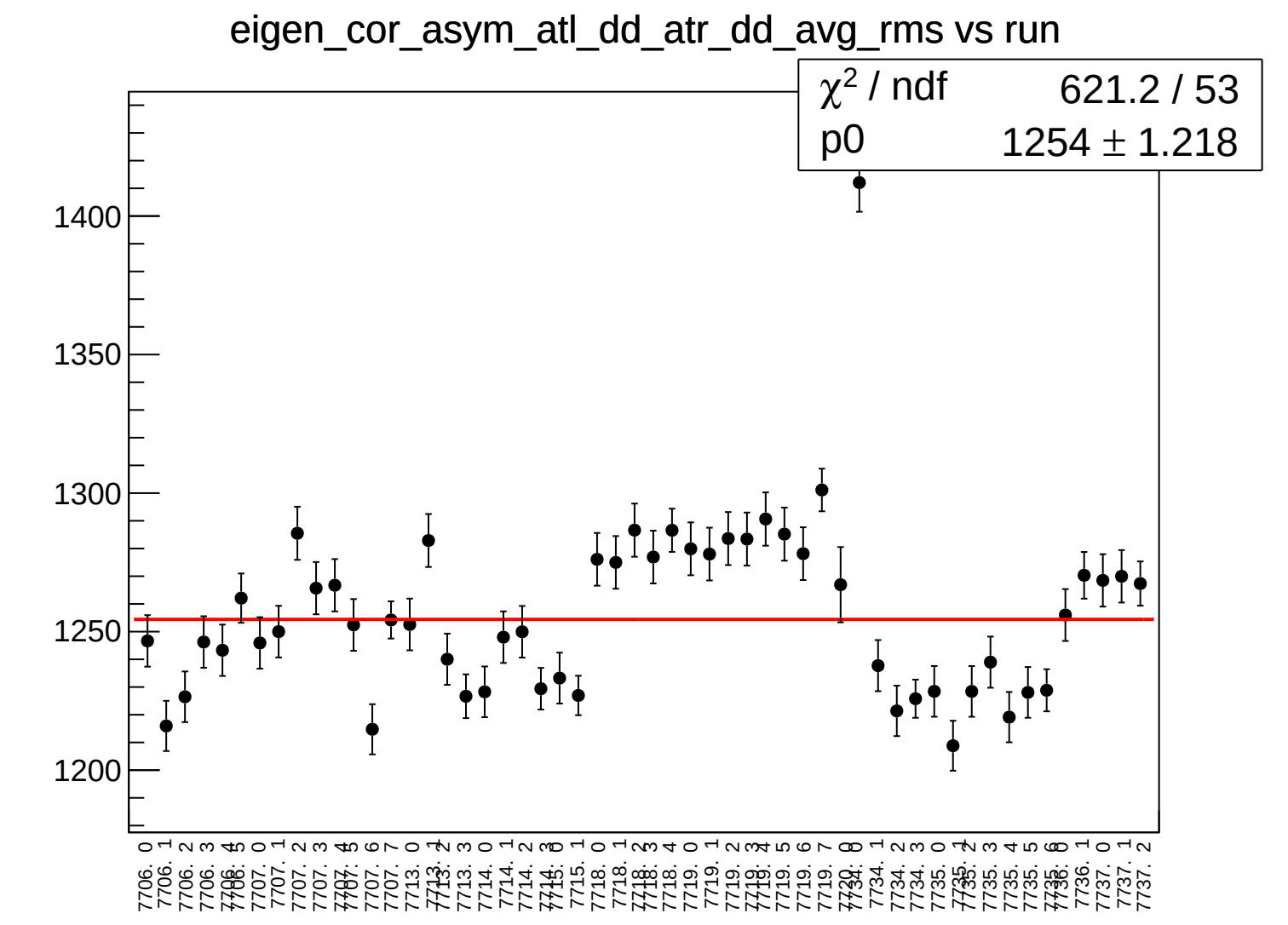

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

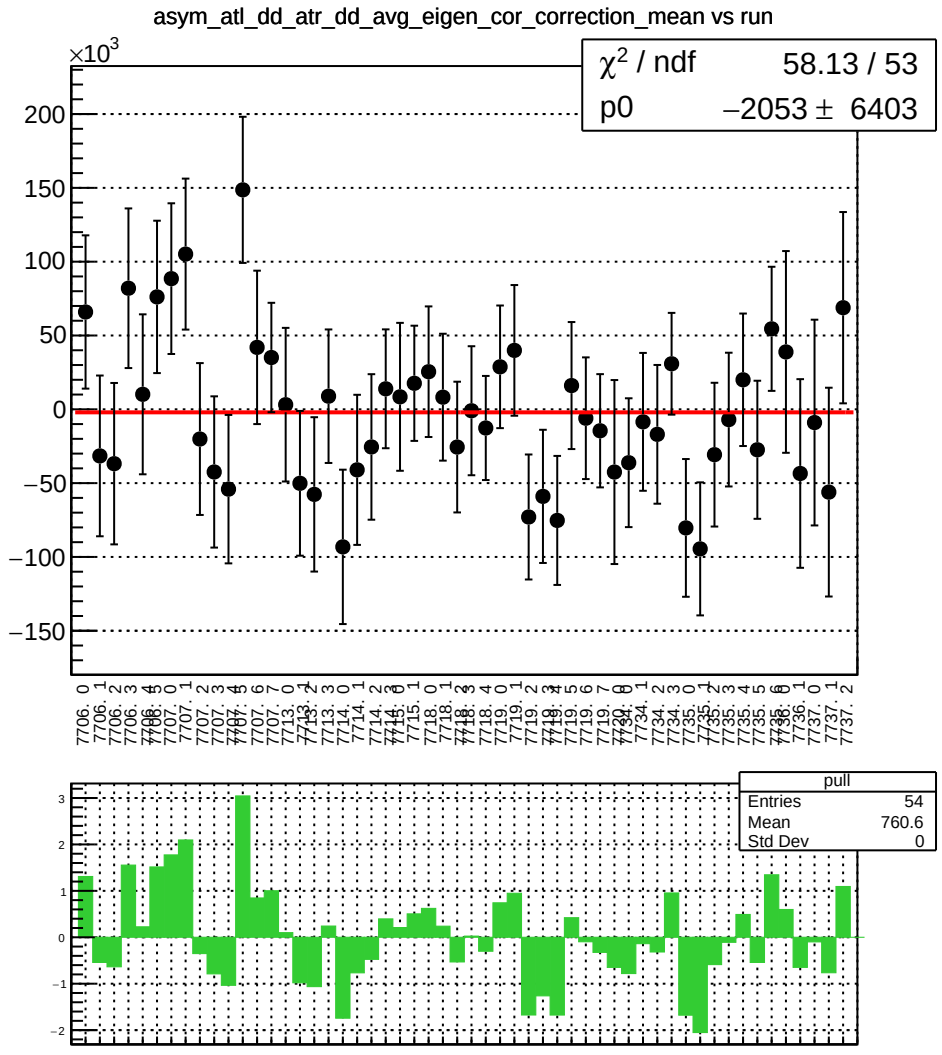

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 760.6
Std Dev 0
pull1D
Entries 54
Mean −0.005684
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

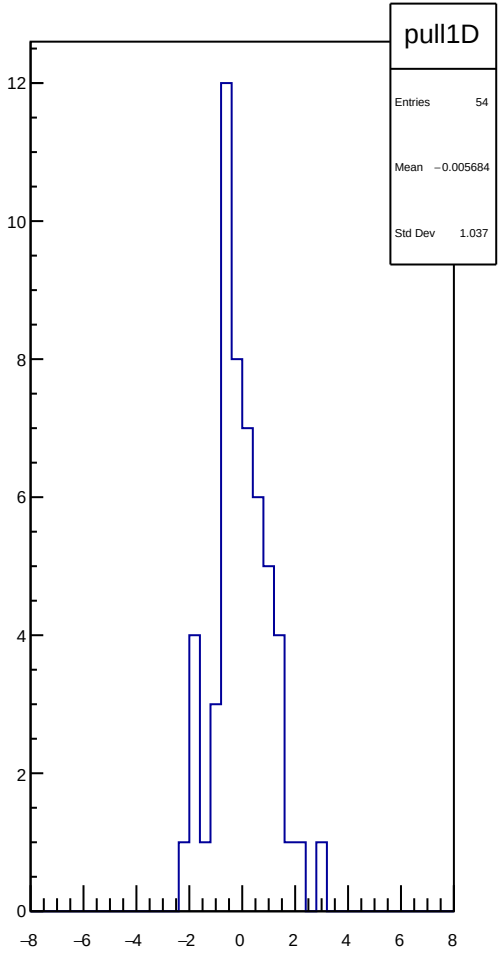

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

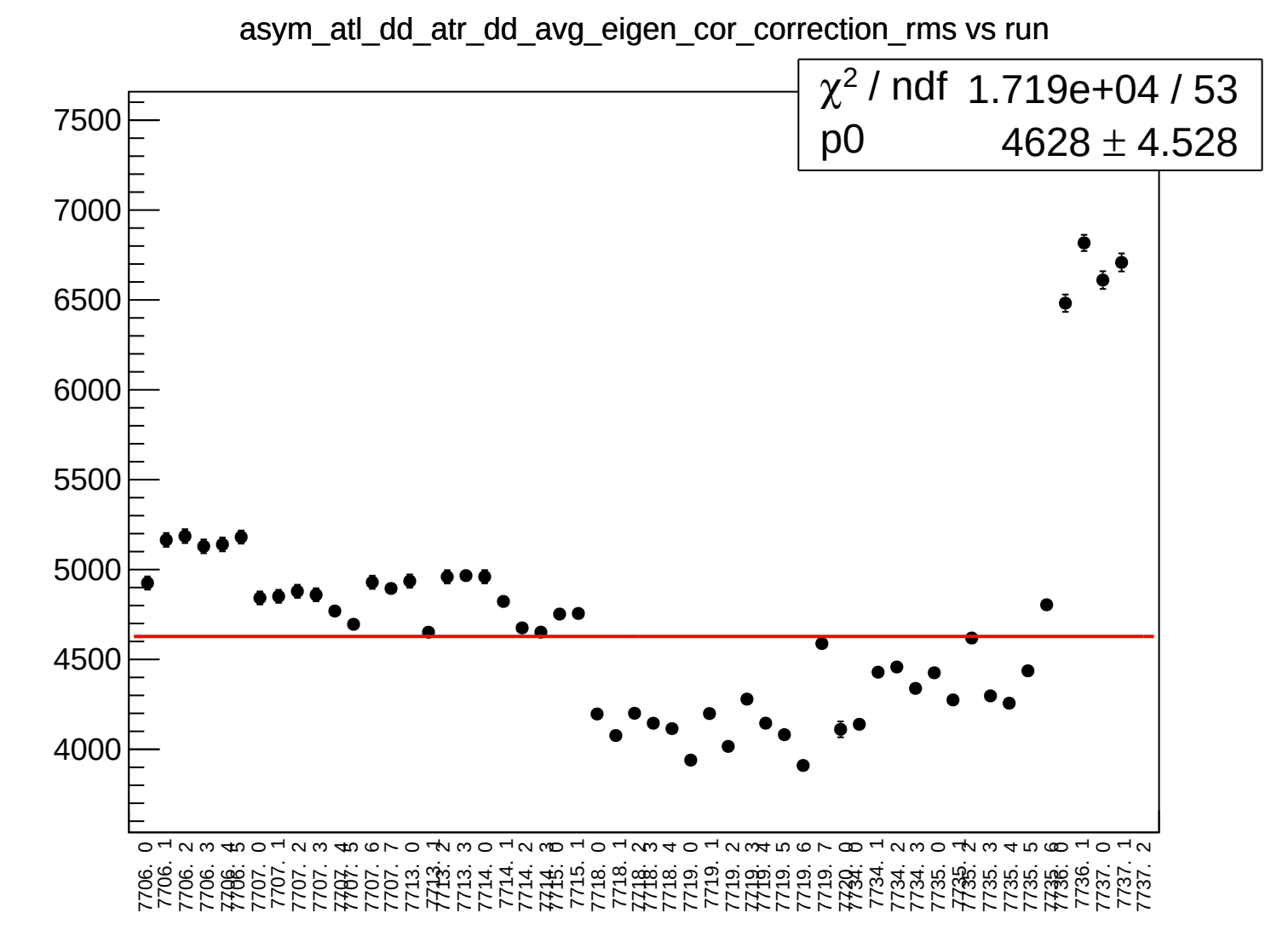

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.69
Std Dev 29.54
2
1
0
−1
−2
−3

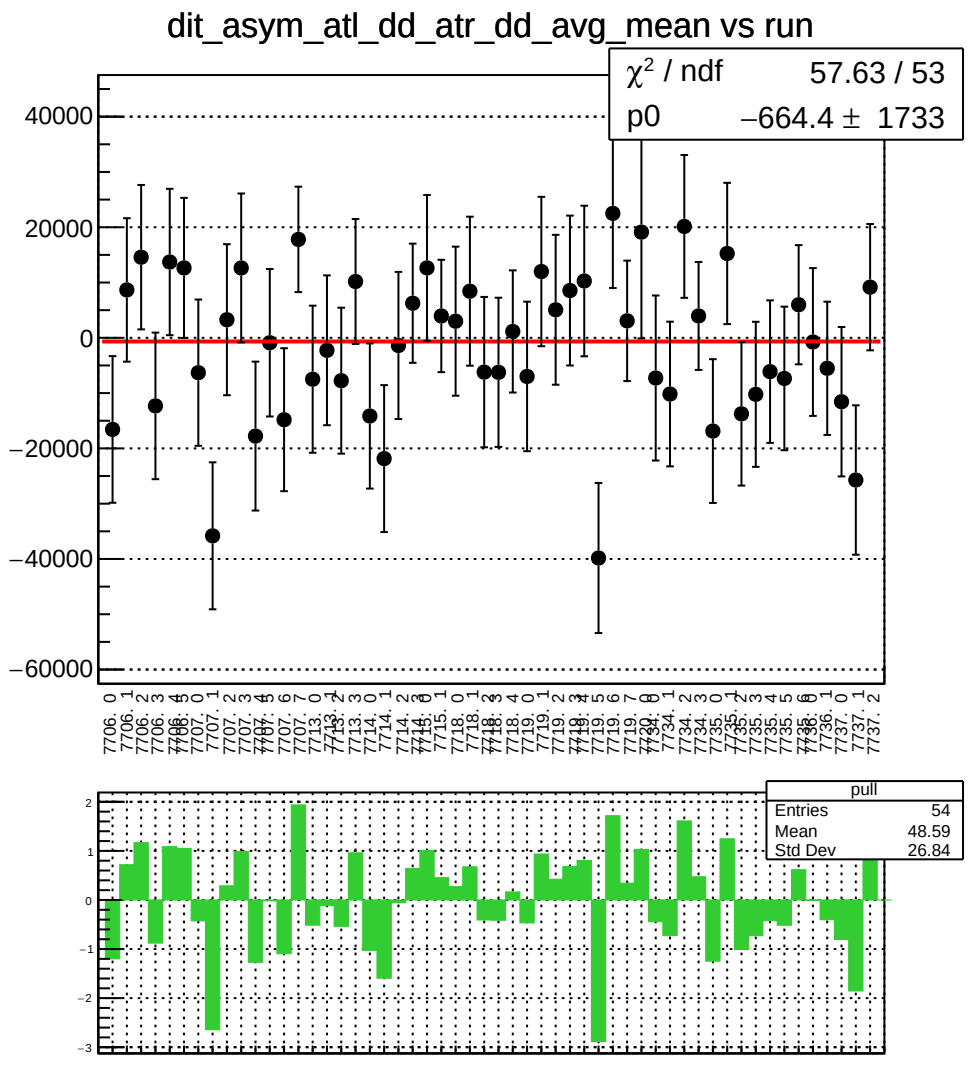

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

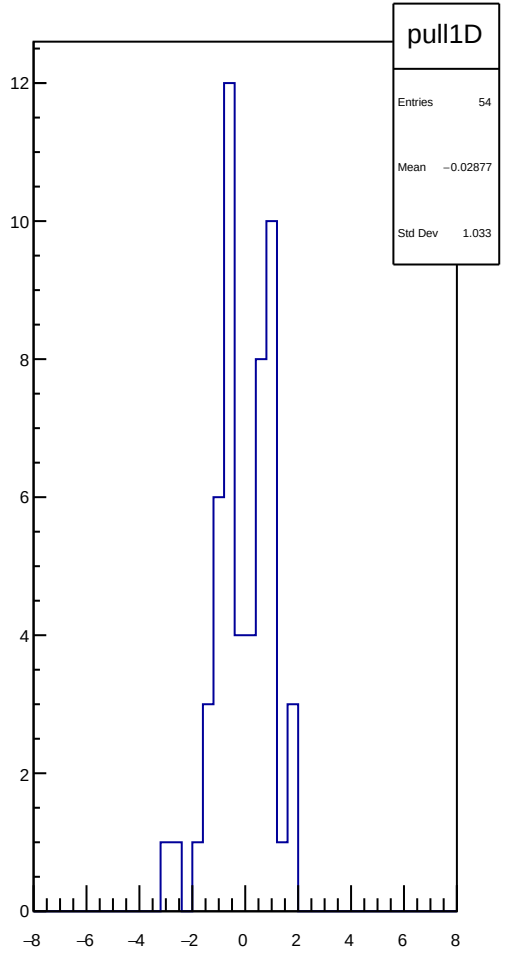

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

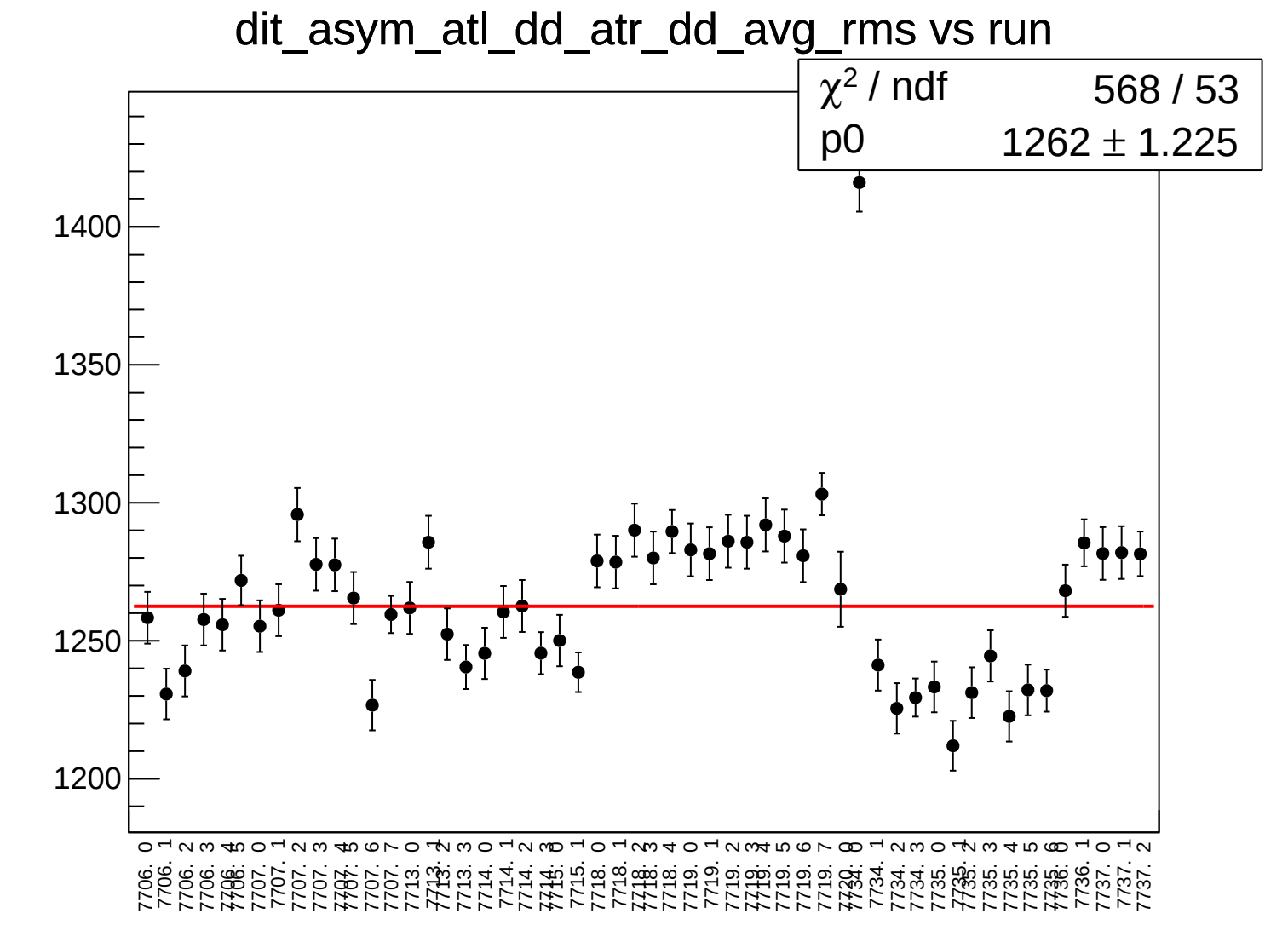

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 760.6
Std Dev 0
3
2
1
0
−1
−2

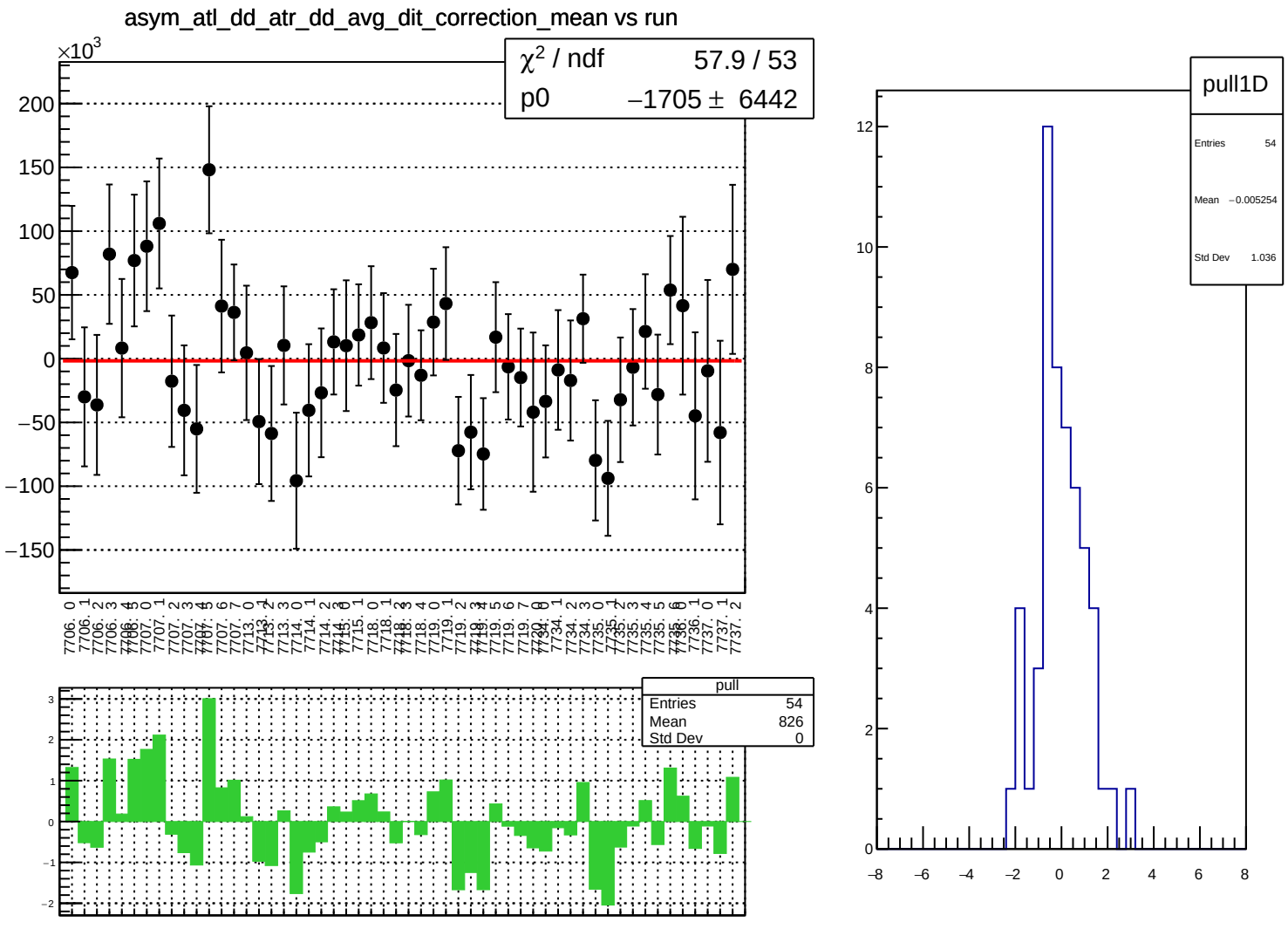

pull1D
Entries 54
Mean −0.005684
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

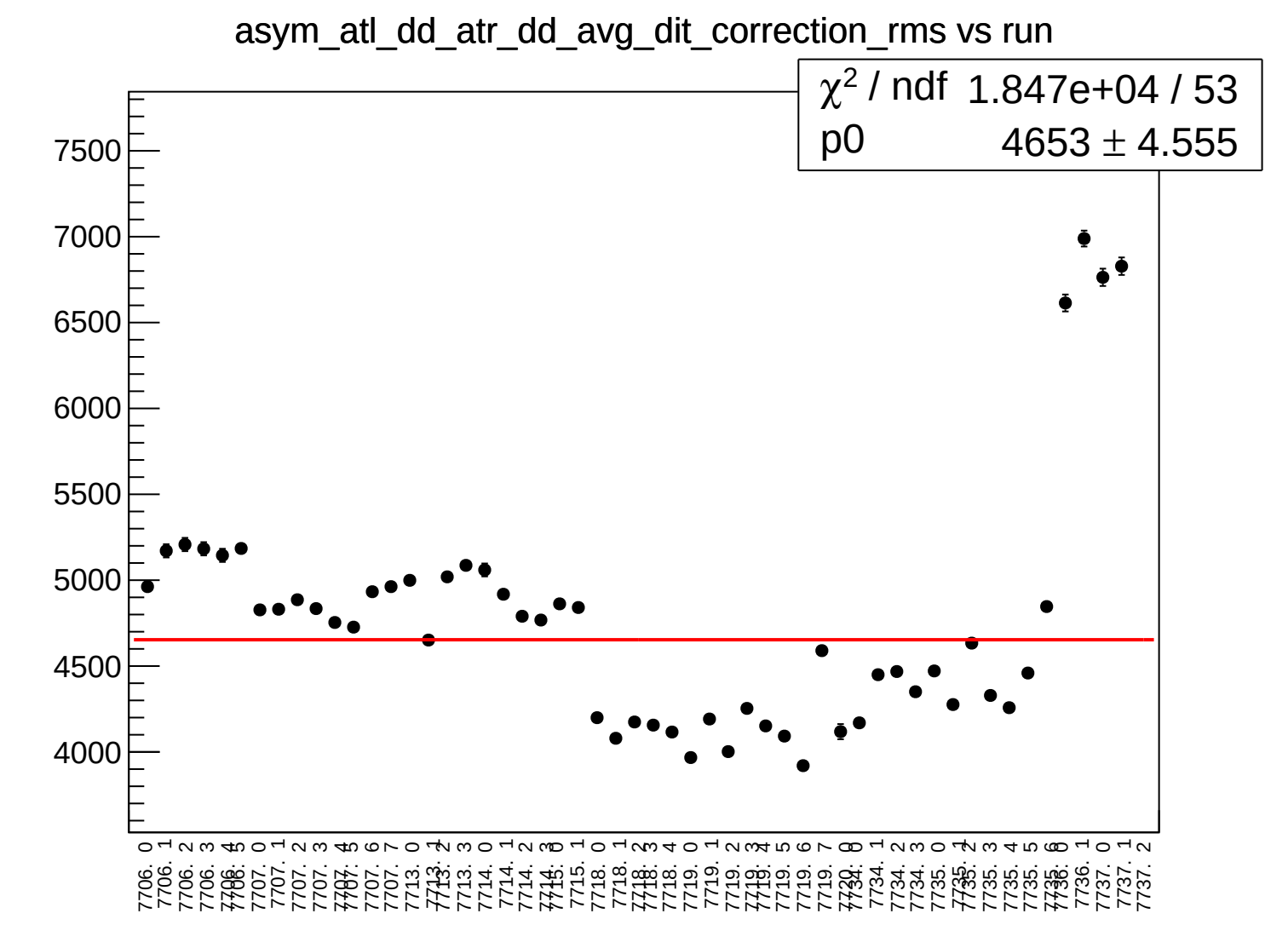

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

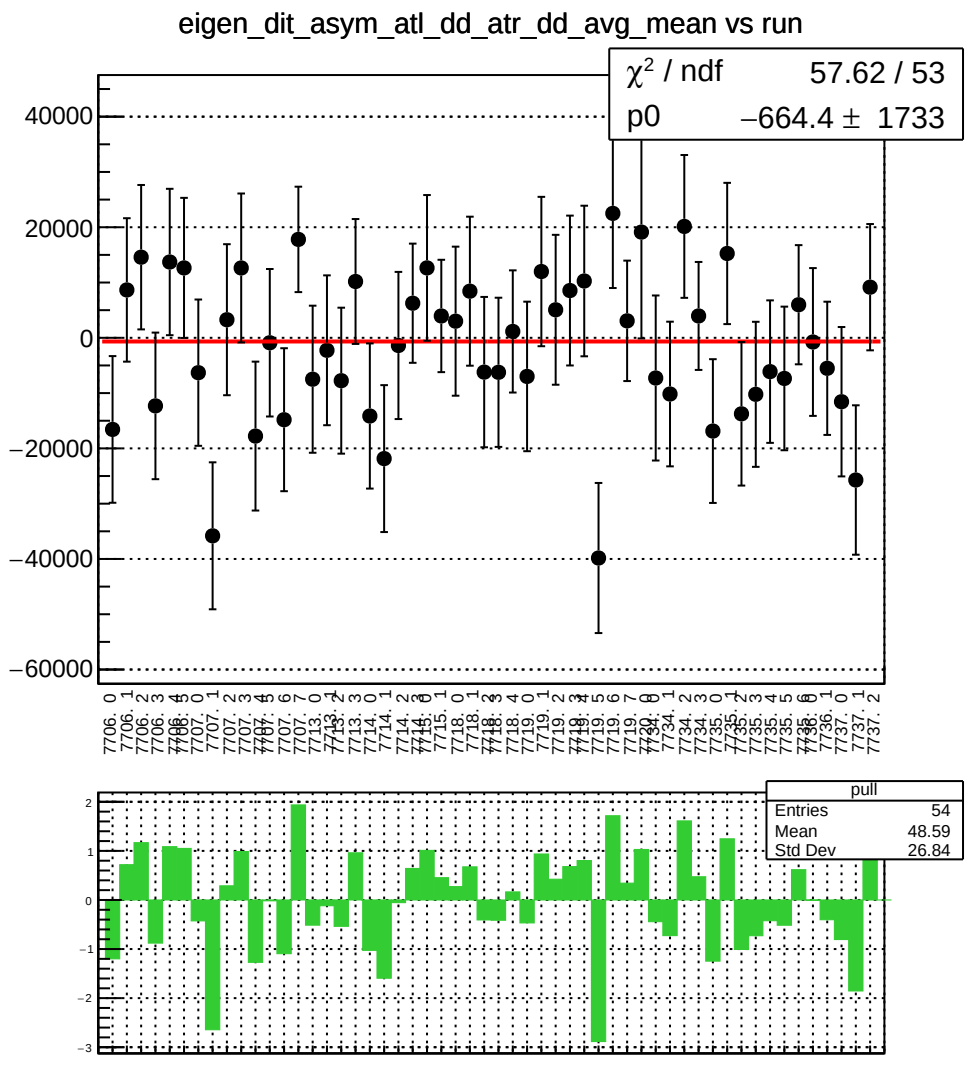

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.63 / 53
p0 −664.4 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 48.59
Std Dev 26.84
2
1
0
−1
−2
−3

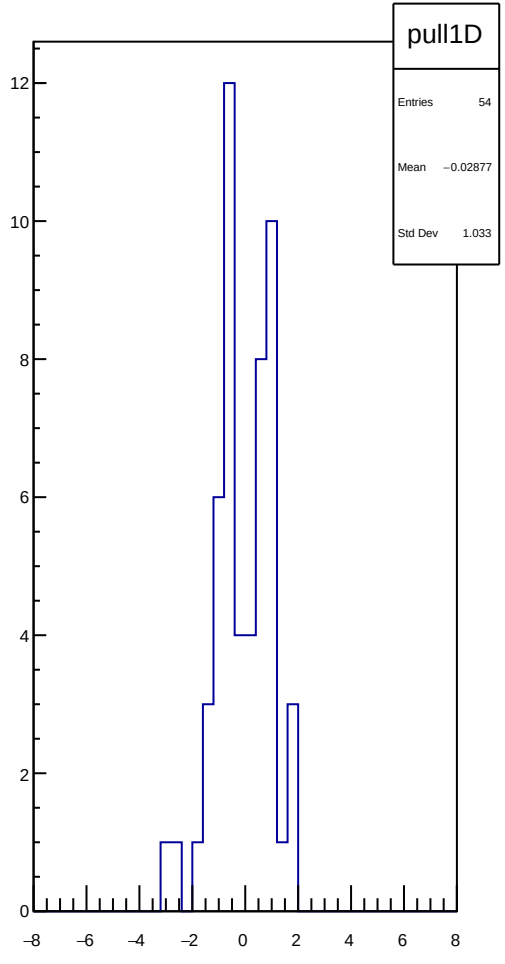

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

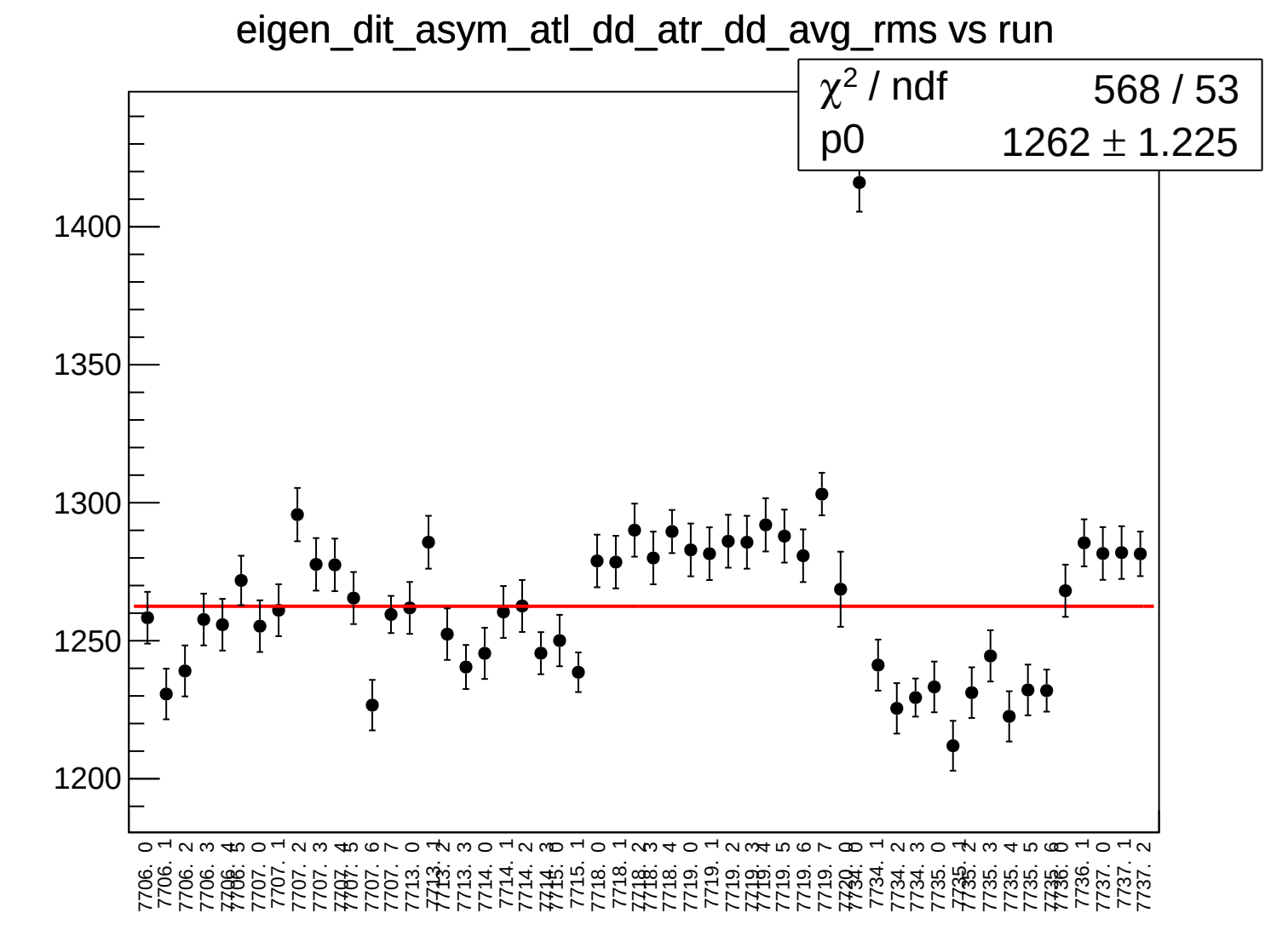

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200

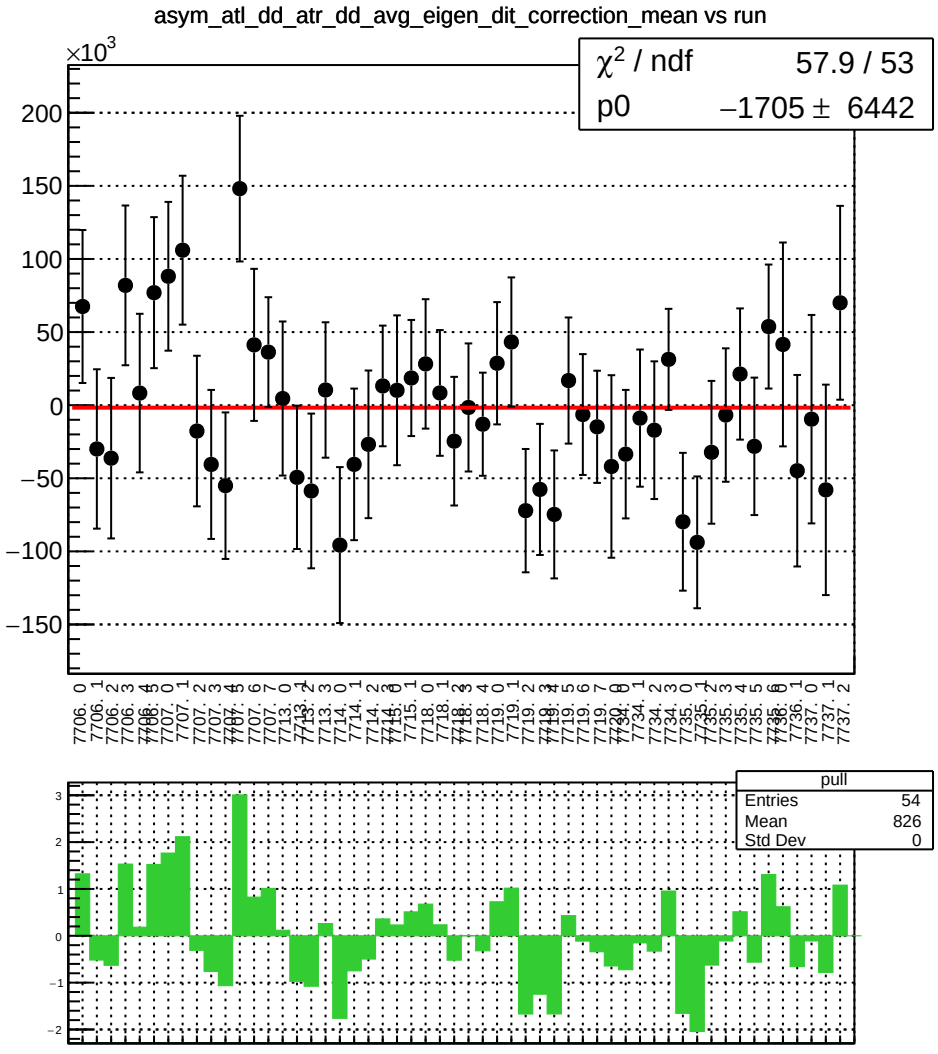

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 826
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.005254
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

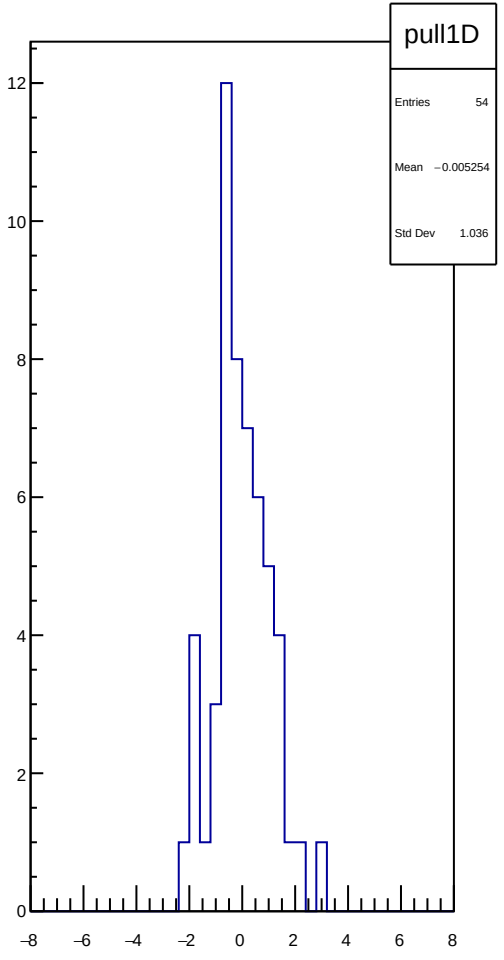

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000

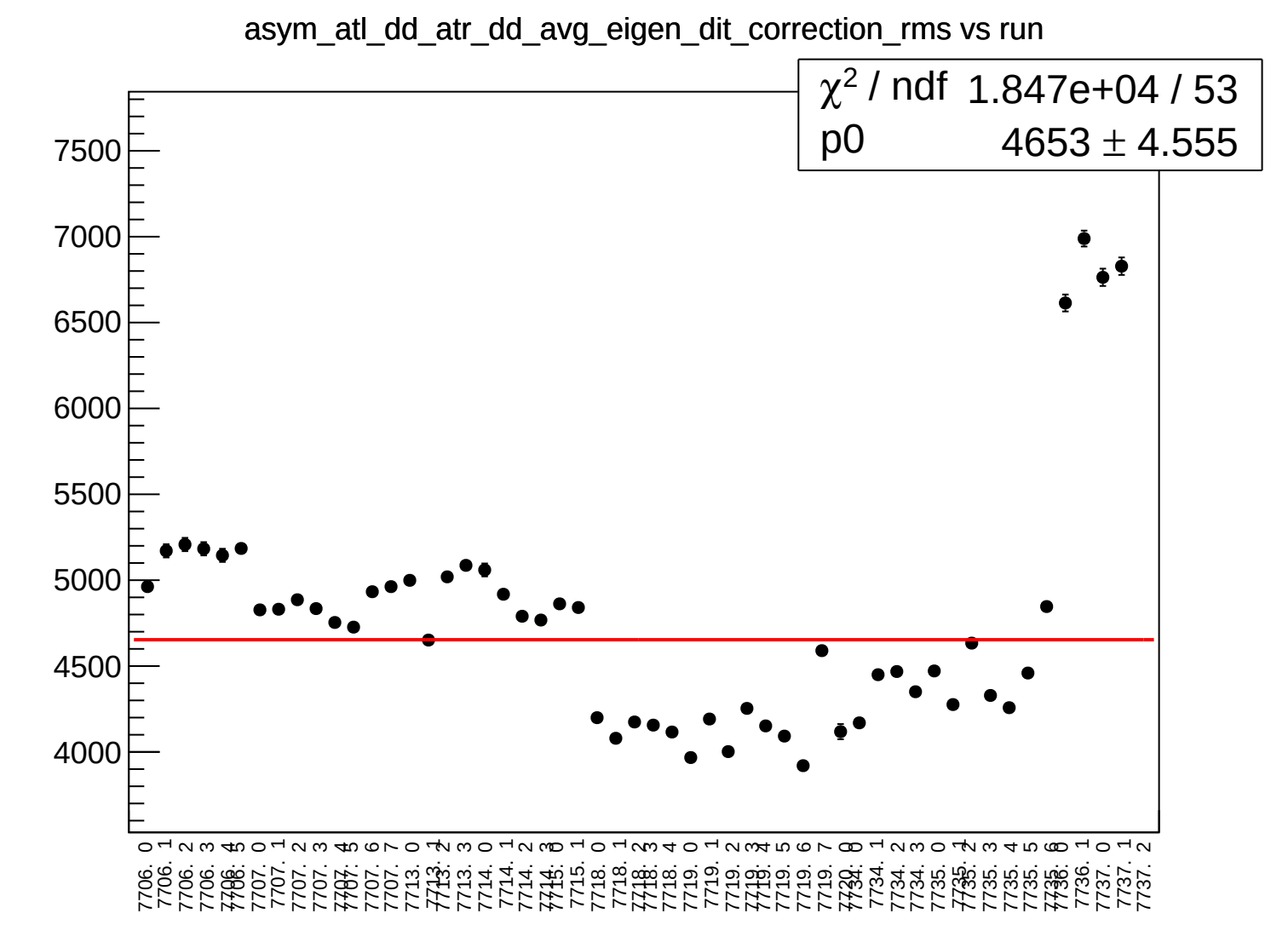

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.62 / 53
p0 −664.4 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 48.59
Std Dev 26.84
2
1
0
−1
−2
−3

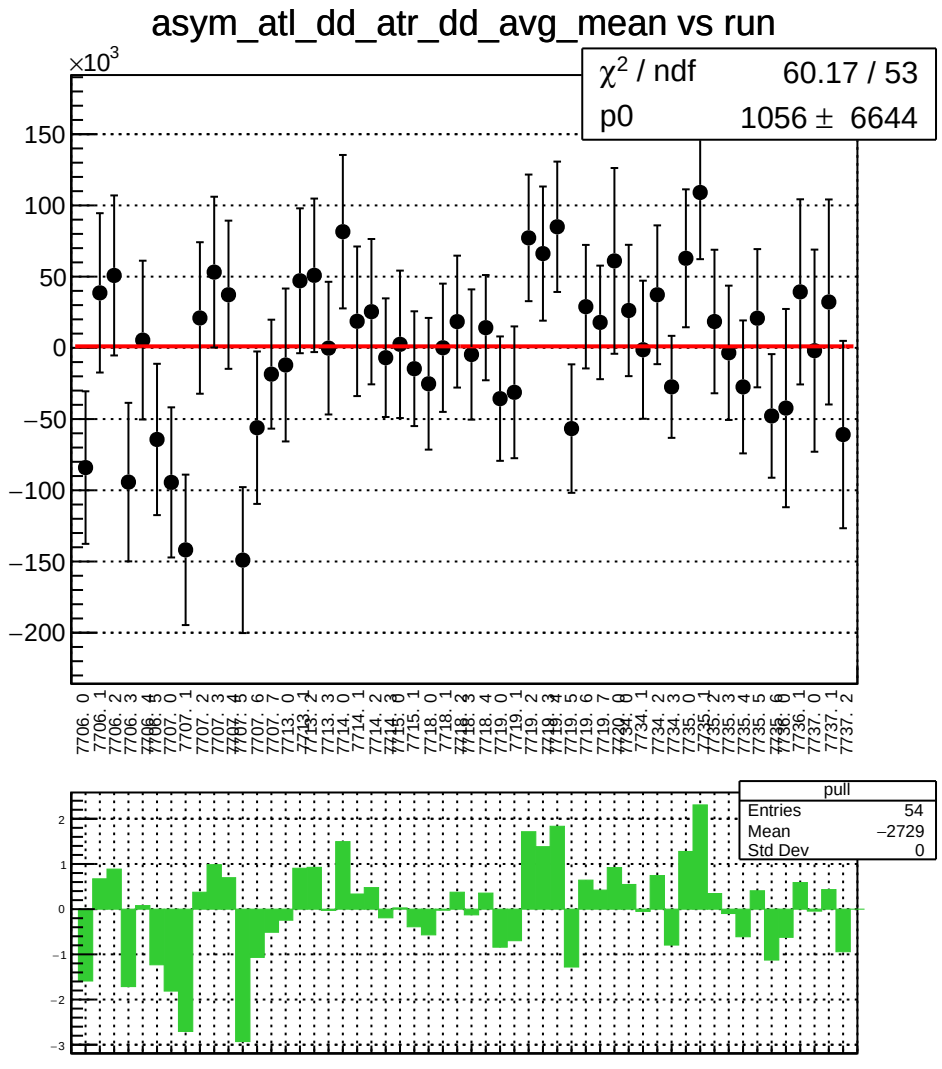

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

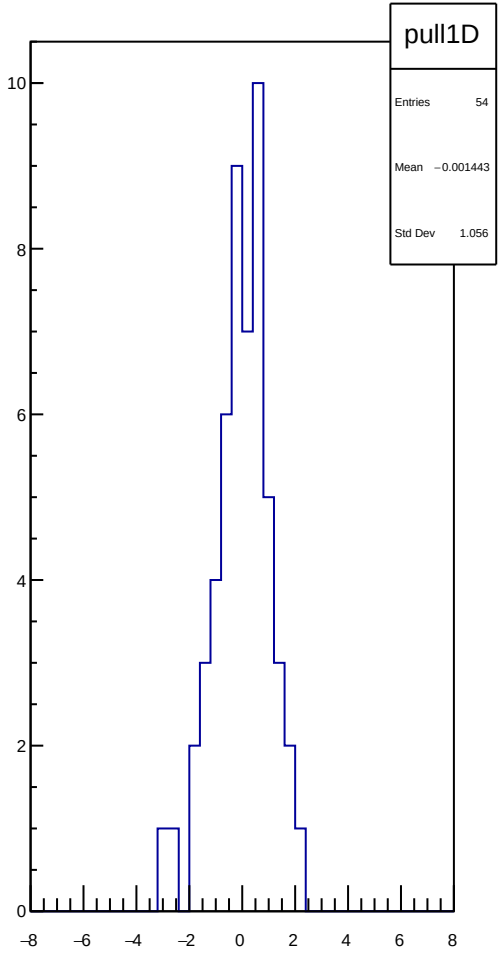

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

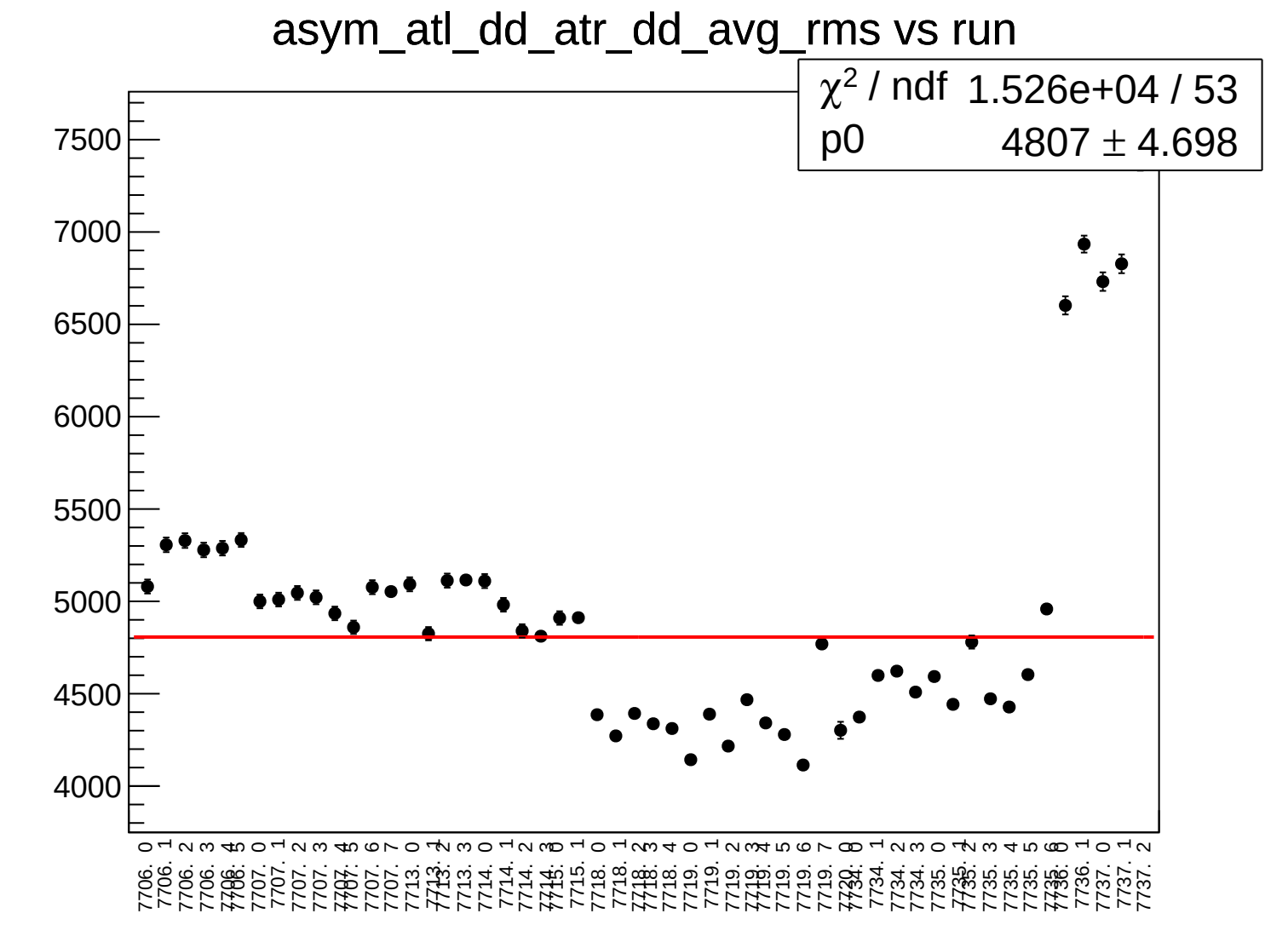

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 826
Std Dev 0
3
2
1
0
−1
−2

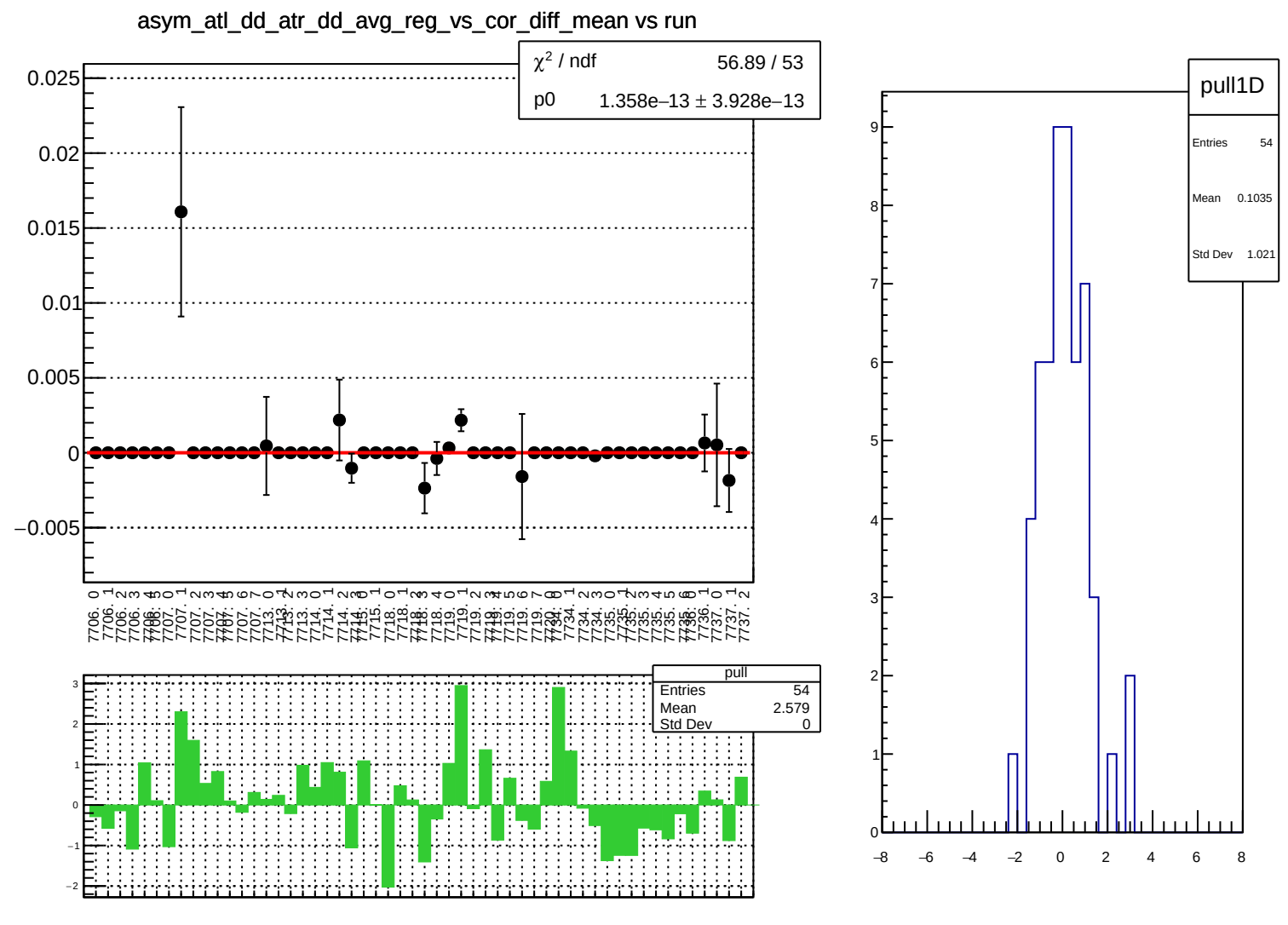

pull1D
Entries 54
Mean −0.005254
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

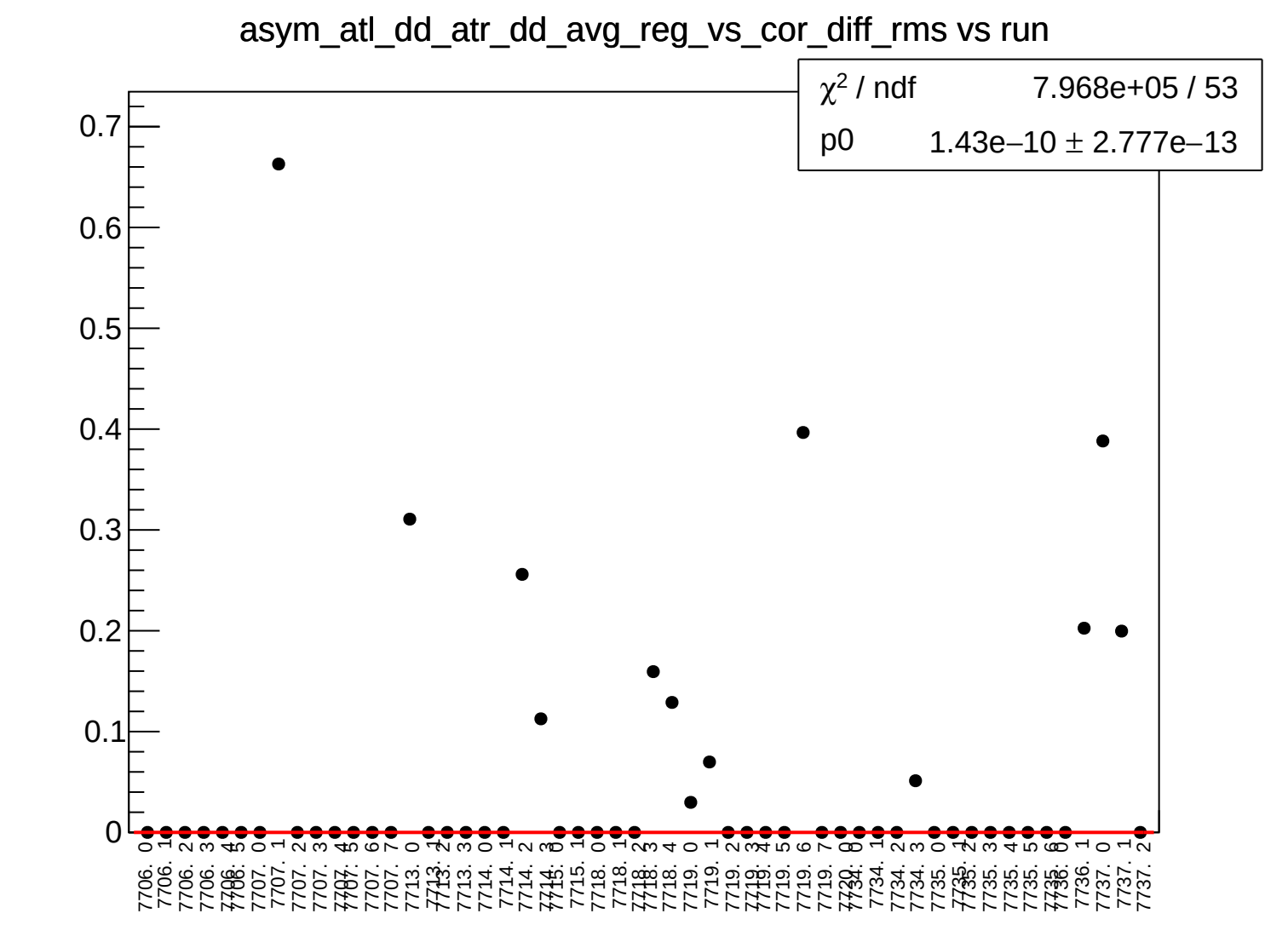

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000

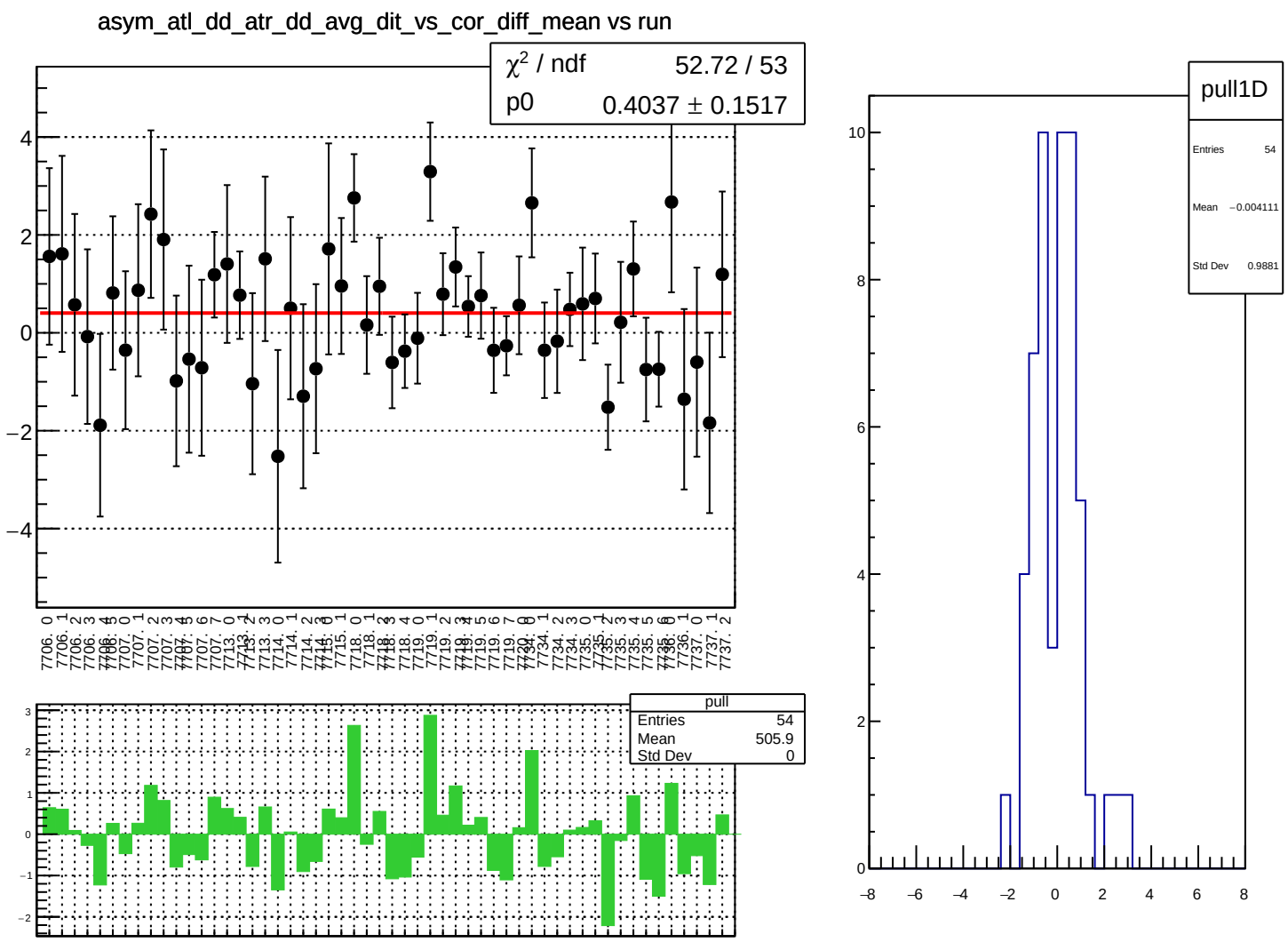

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 60.17 / 53
p0 1056 ± 6644
pull
Entries 54
Mean −2729
Std Dev 0

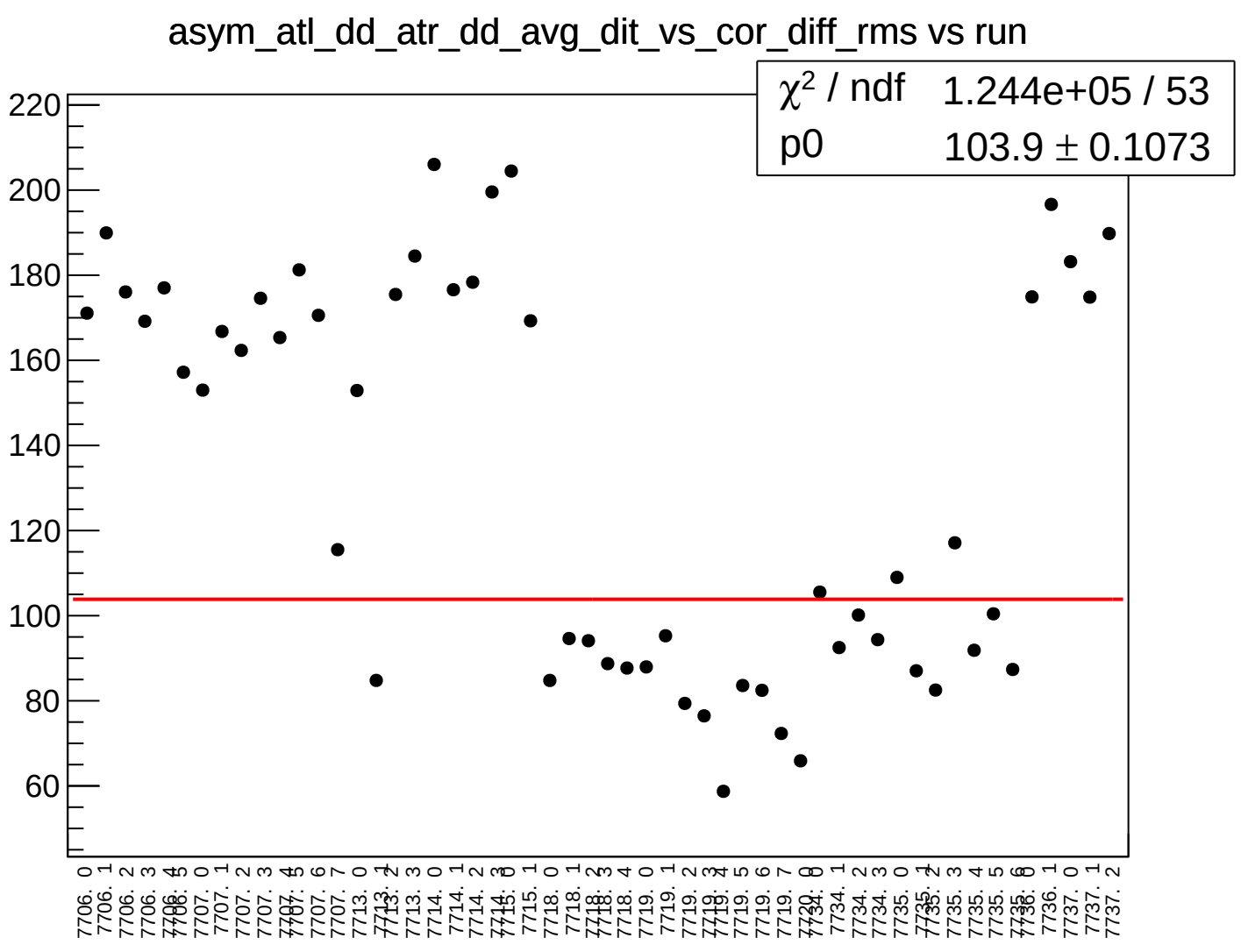

pull1D
Entries 54
Mean −0.001443
Std Dev 1.056


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.526e+04 / 53
p0 4807 ± 4.698
7500
7000
6500
6000
5500
5000
4500
4000

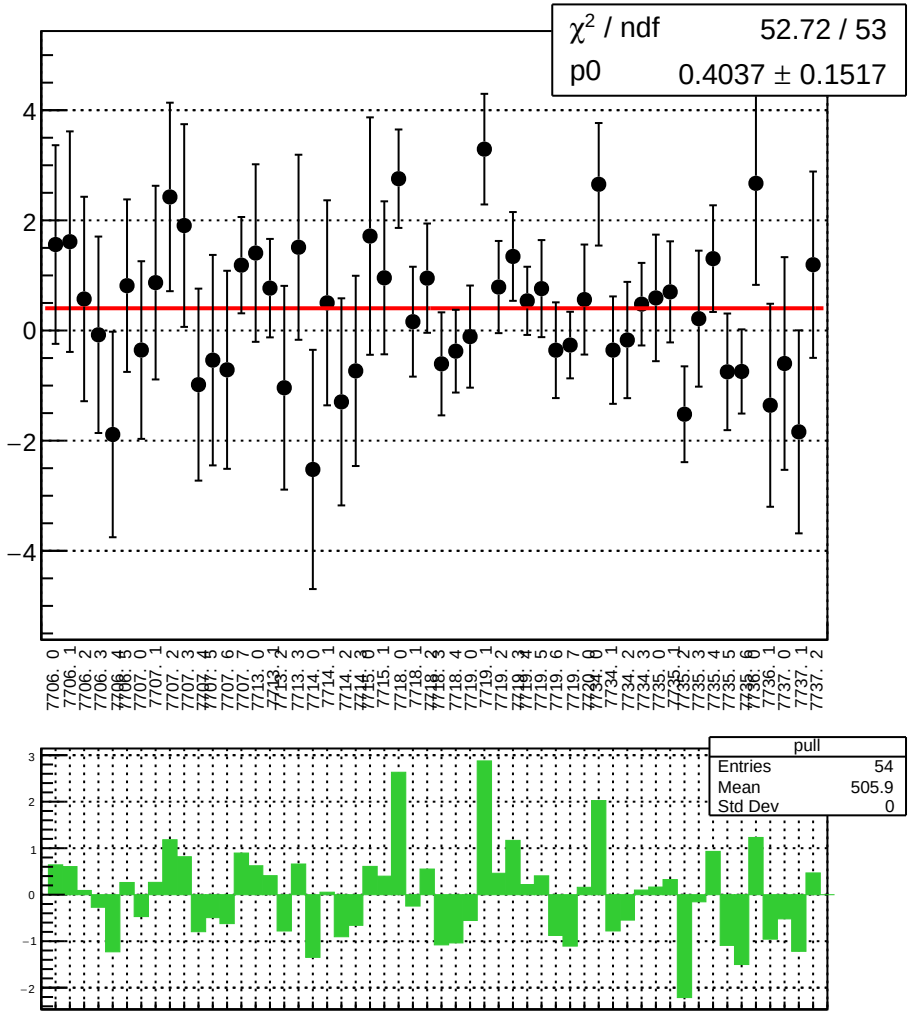

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.89 / 53
p0 1.358e−13 ± 3.928e−13
pull
Entries 54
Mean 2.579
Std Dev 0
pull1D
Entries 54
Mean 0.1035
Std Dev 1.021

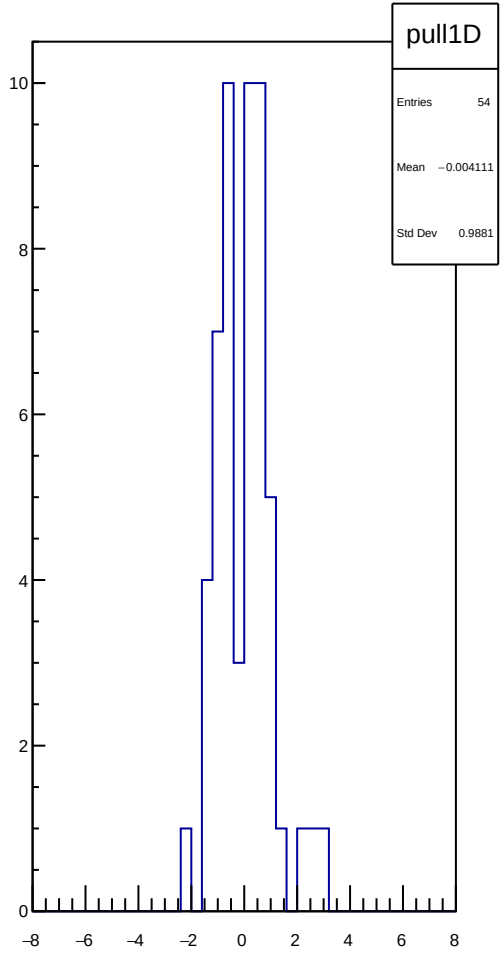

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.968e+05 / 53
p0 1.43e−10 ± 2.777e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

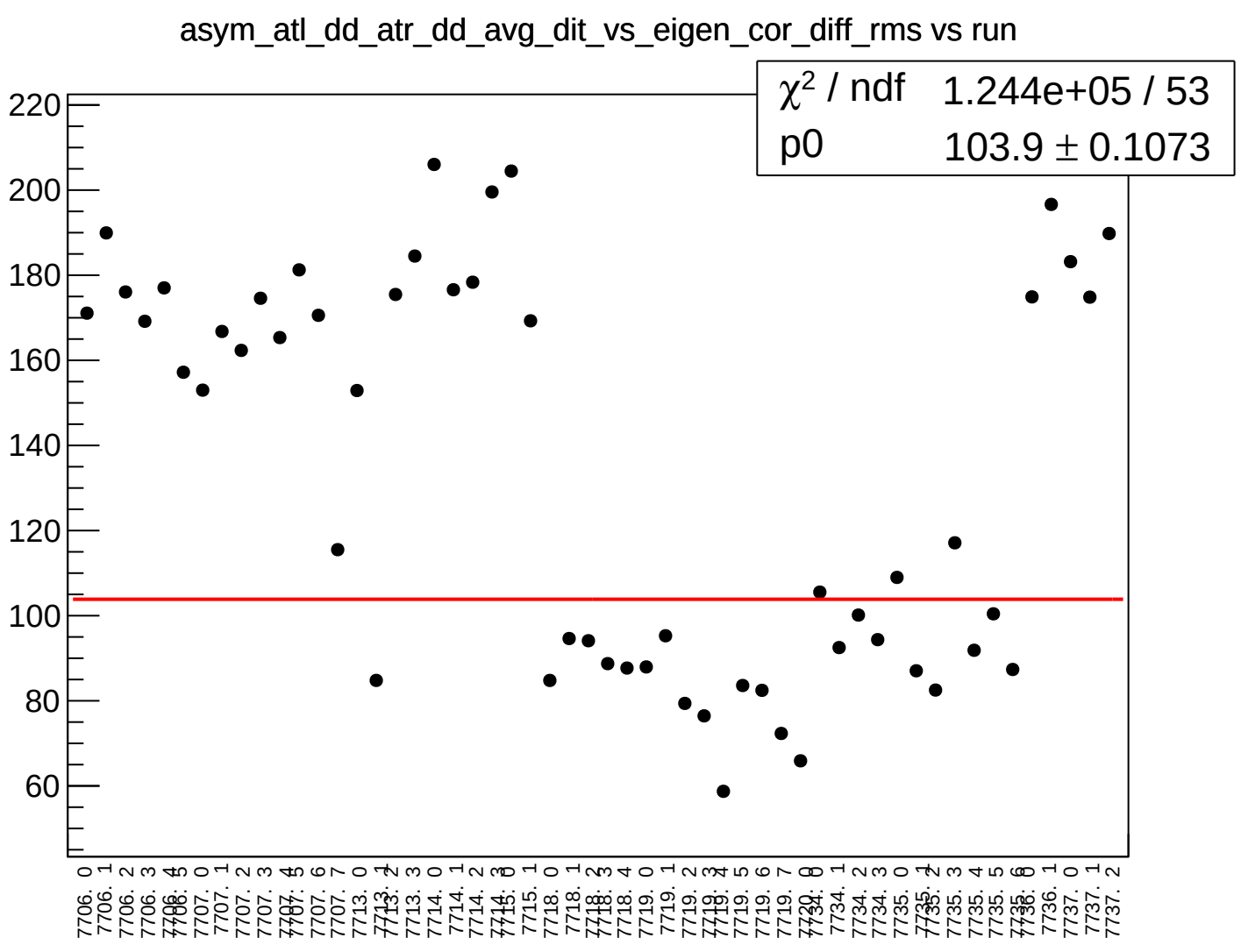

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.72 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 505.9
Std Dev 0
pull1D
Entries 54
Mean −0.004111
Std Dev 0.9881

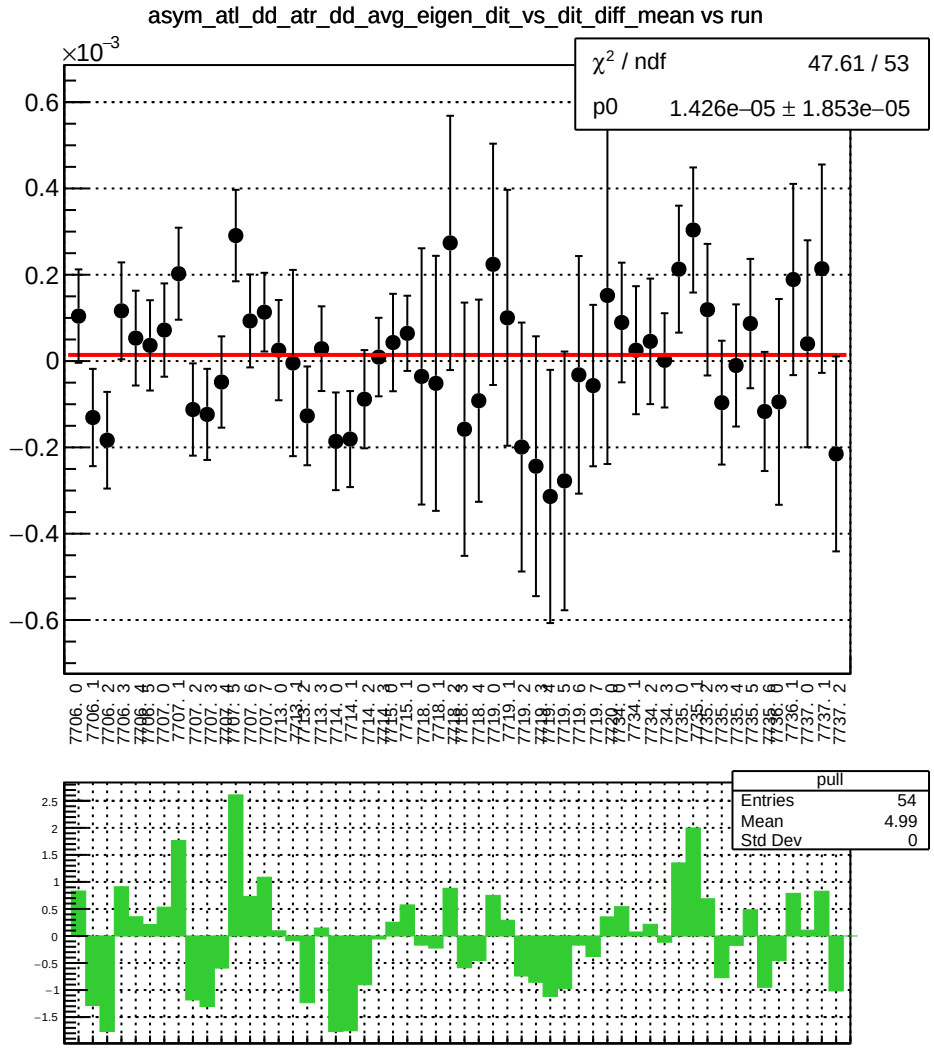

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

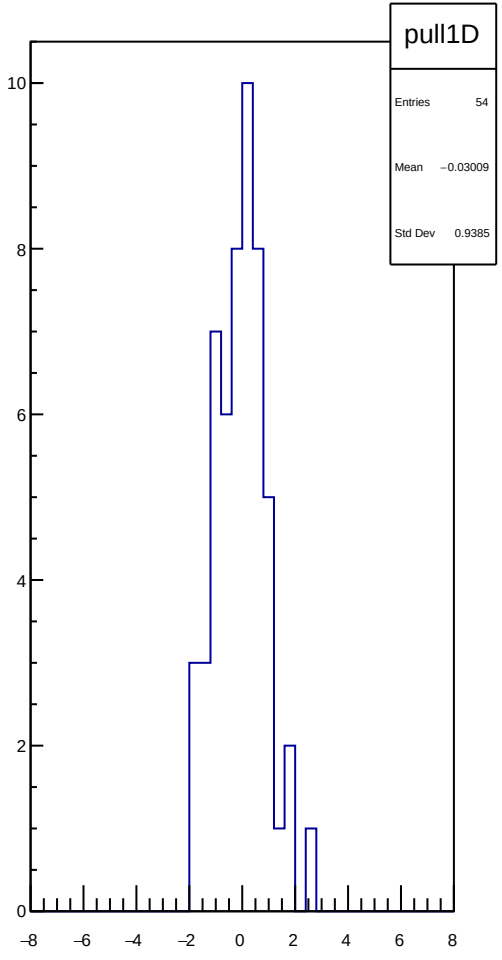
asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

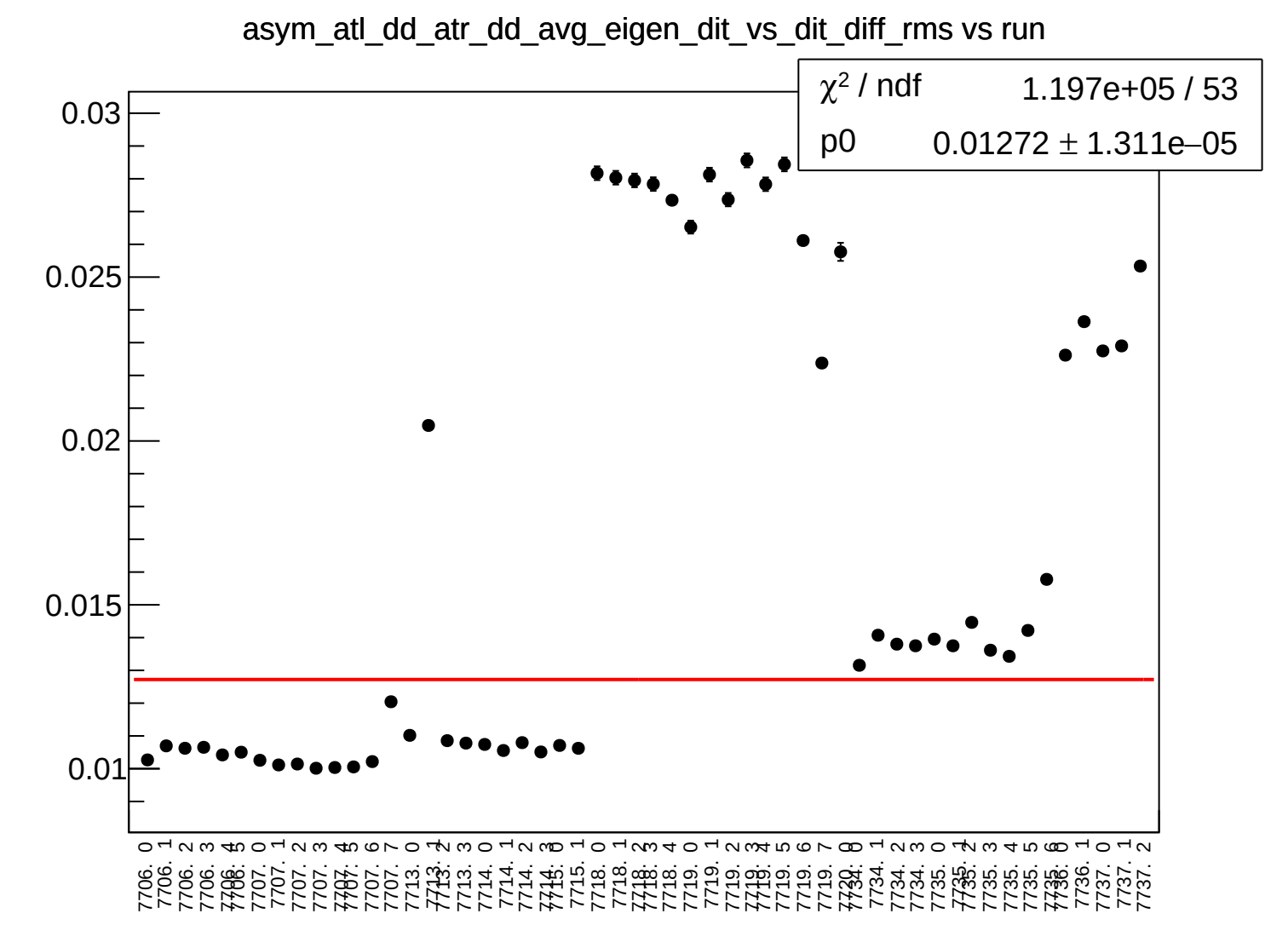




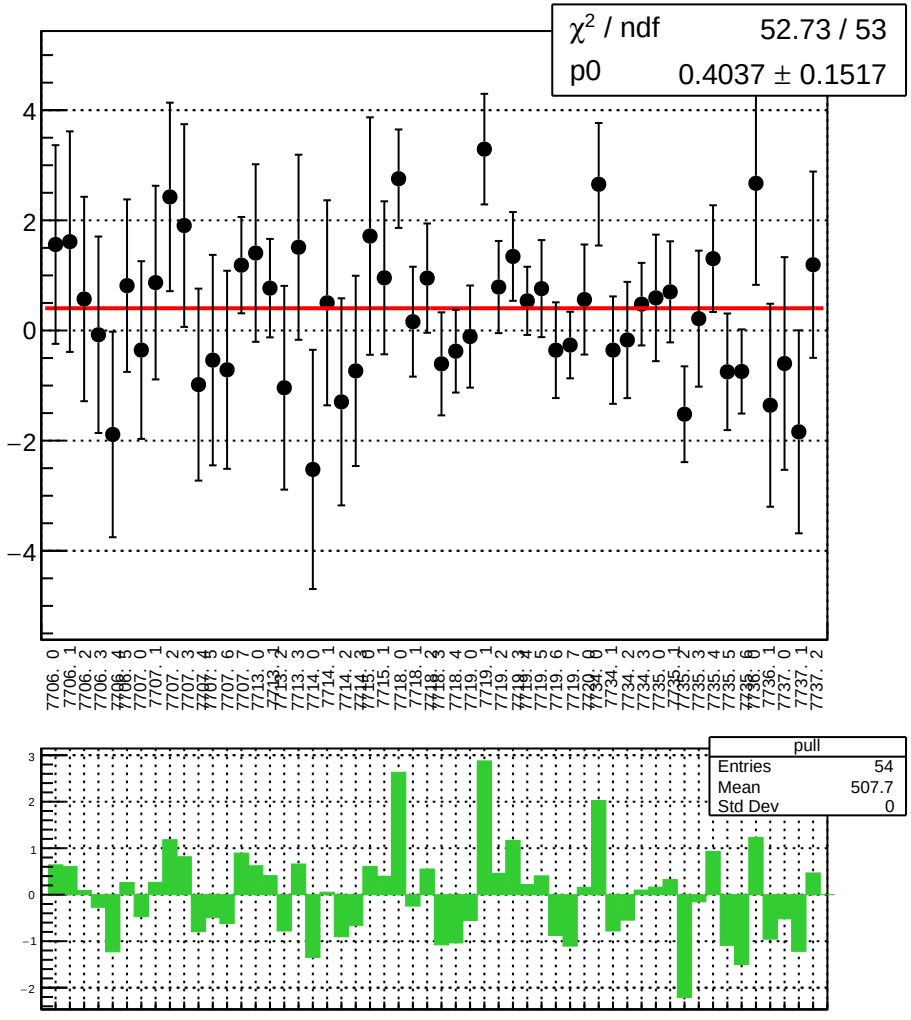

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

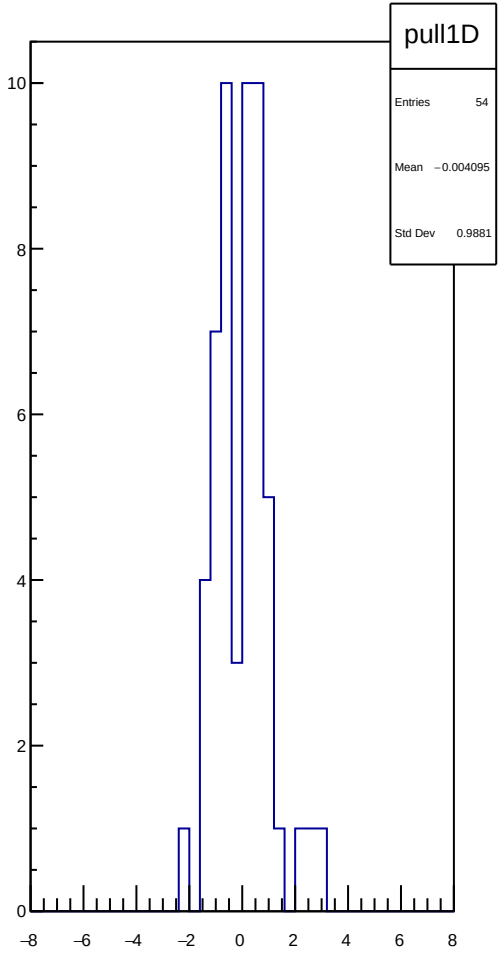

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.61 / 53
p0 1.426e−05 ± 1.853e−05
pull
Entries 54
Mean 4.99
Std Dev 0

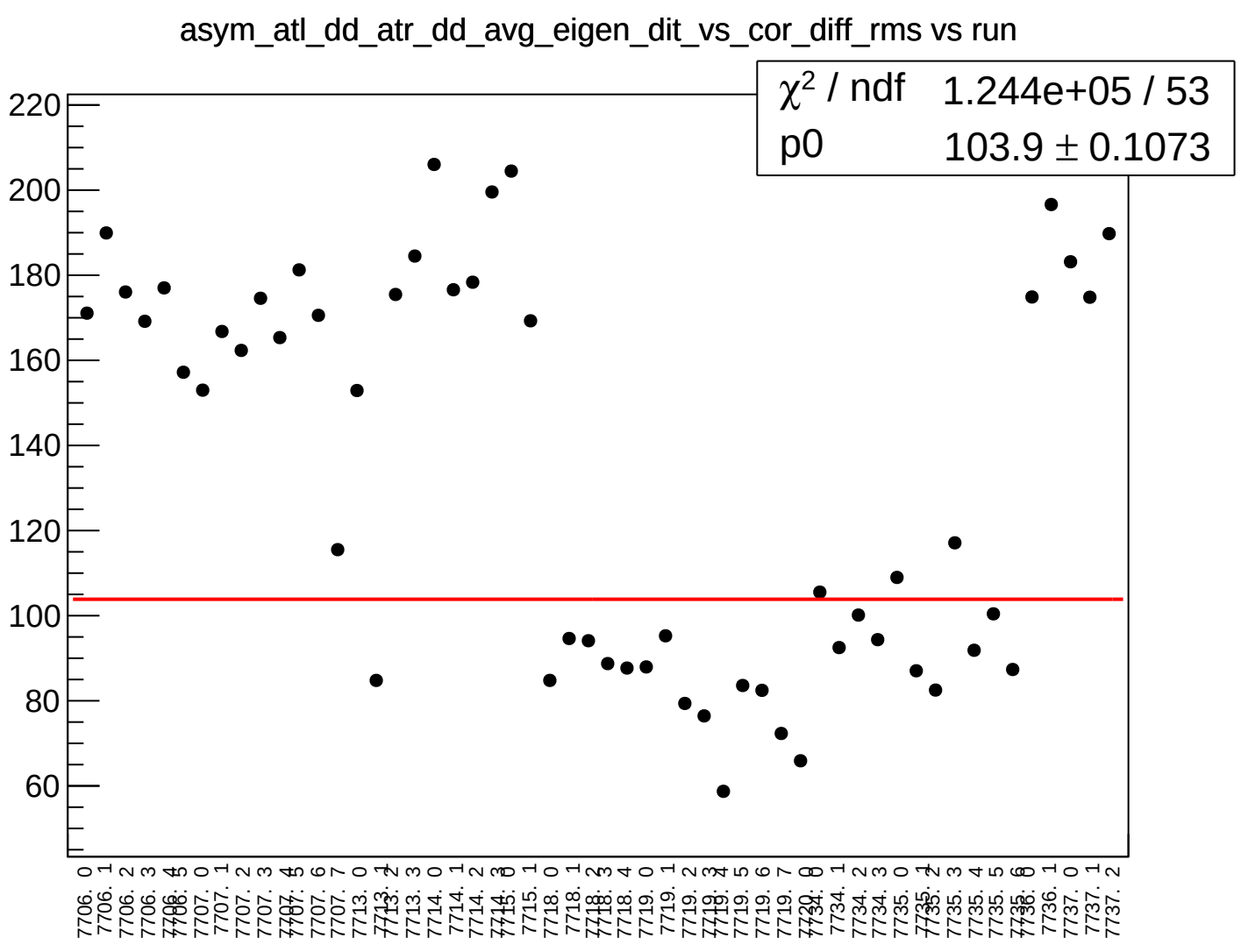

pull1D
Entries 54
Mean −0.03009
Std Dev 0.9385

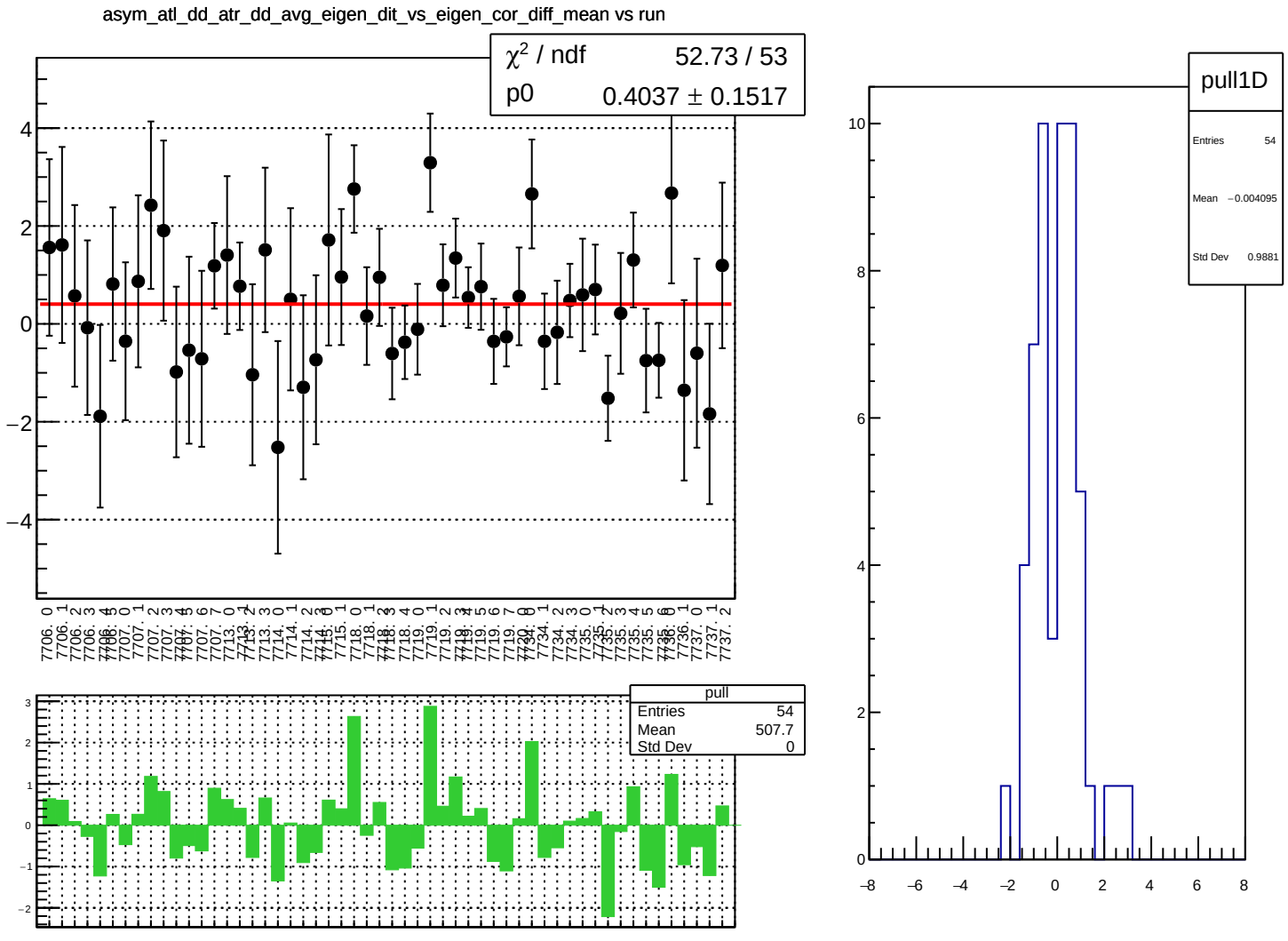

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.197e+05 / 53
p0 0.01272 ± 1.311e−05
0.03
0.025
0.02
0.015
0.01

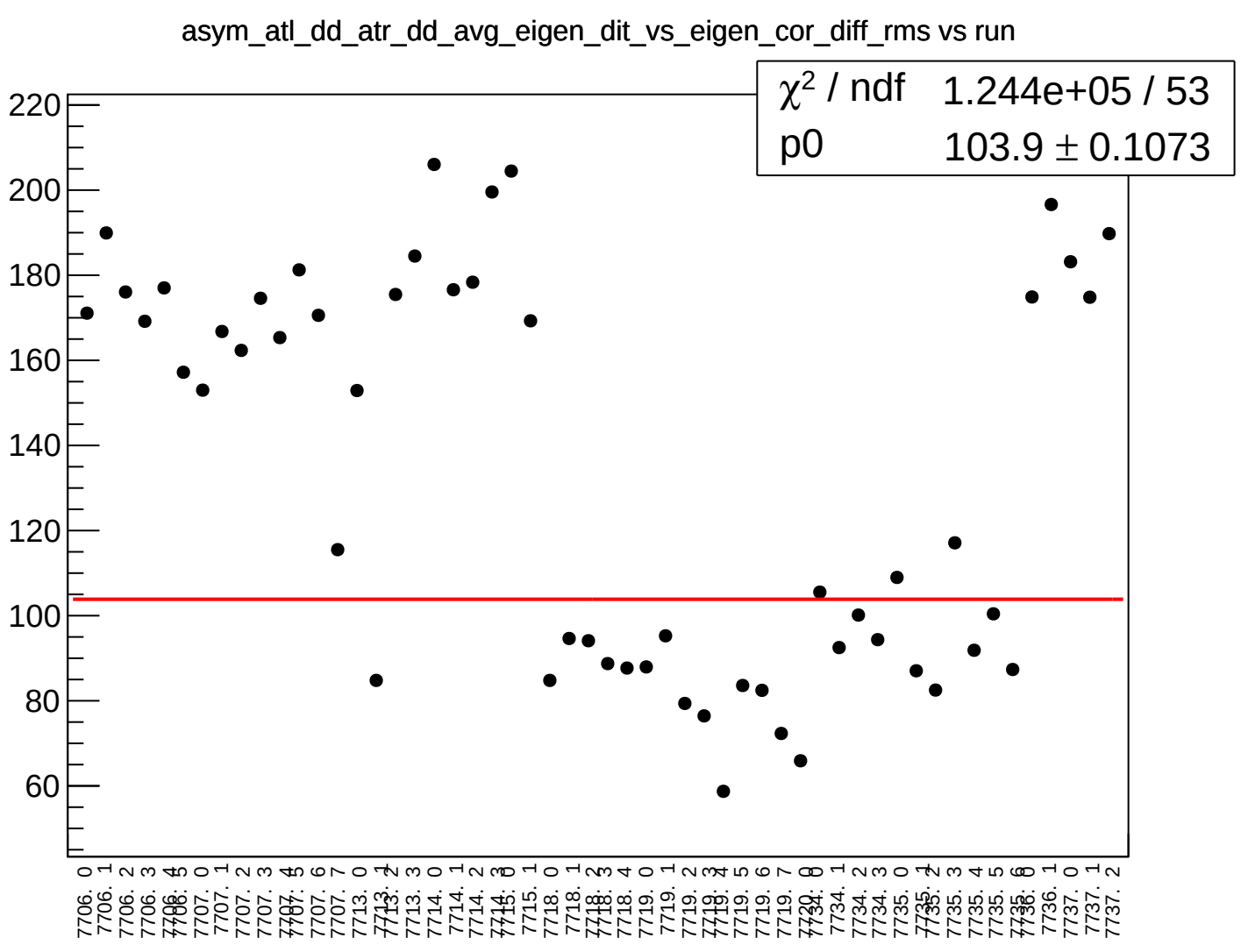
asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run

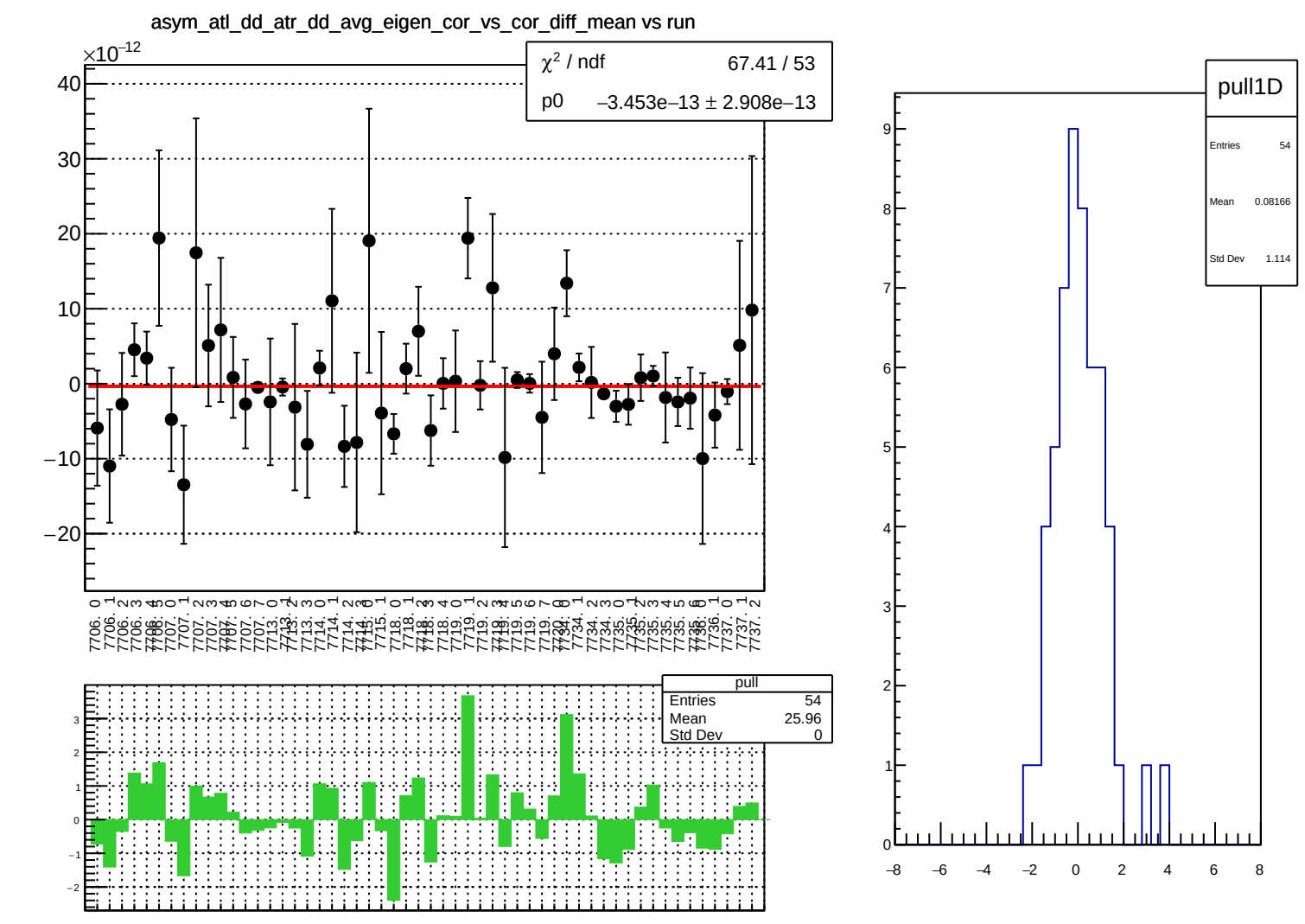


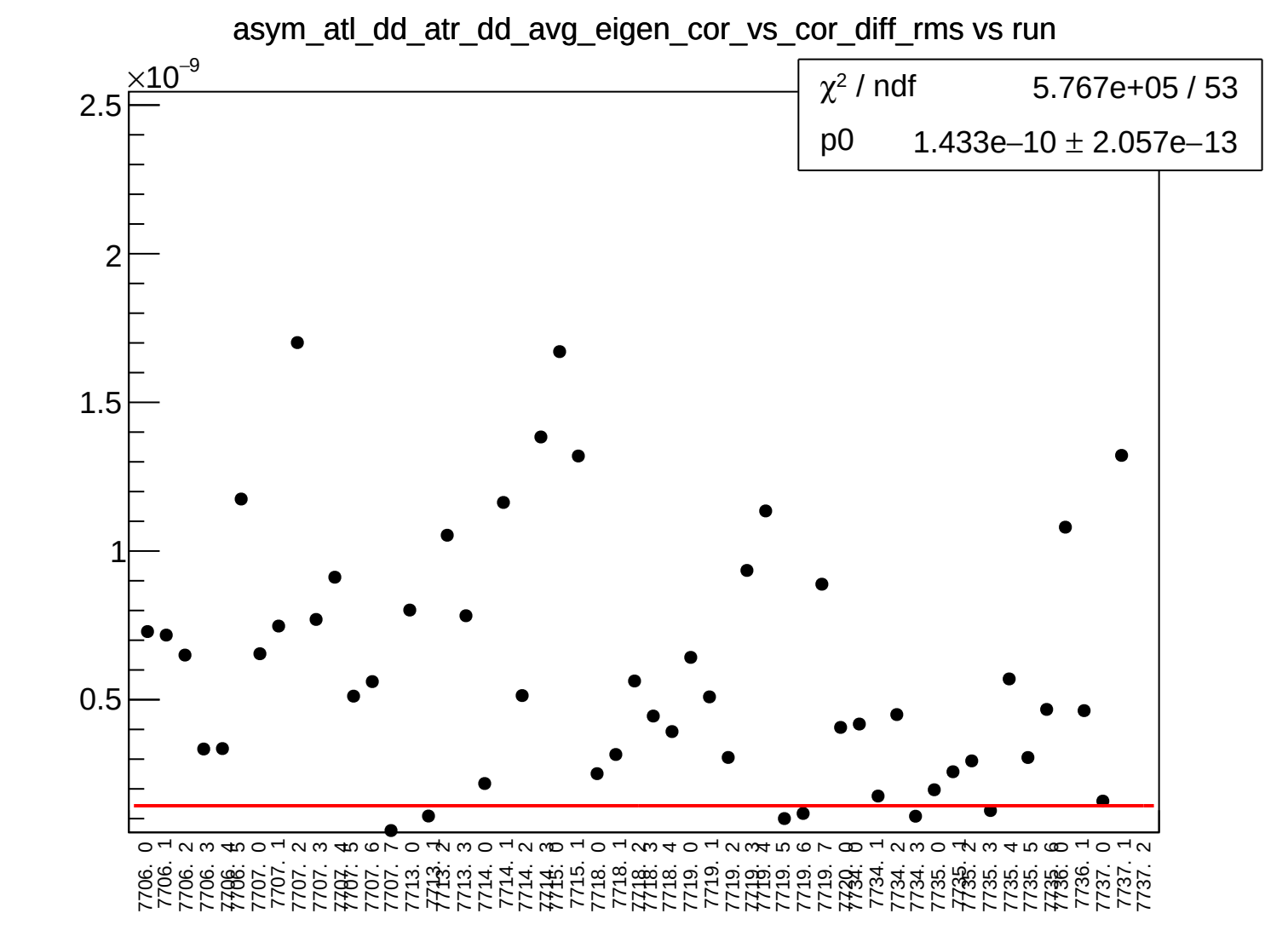


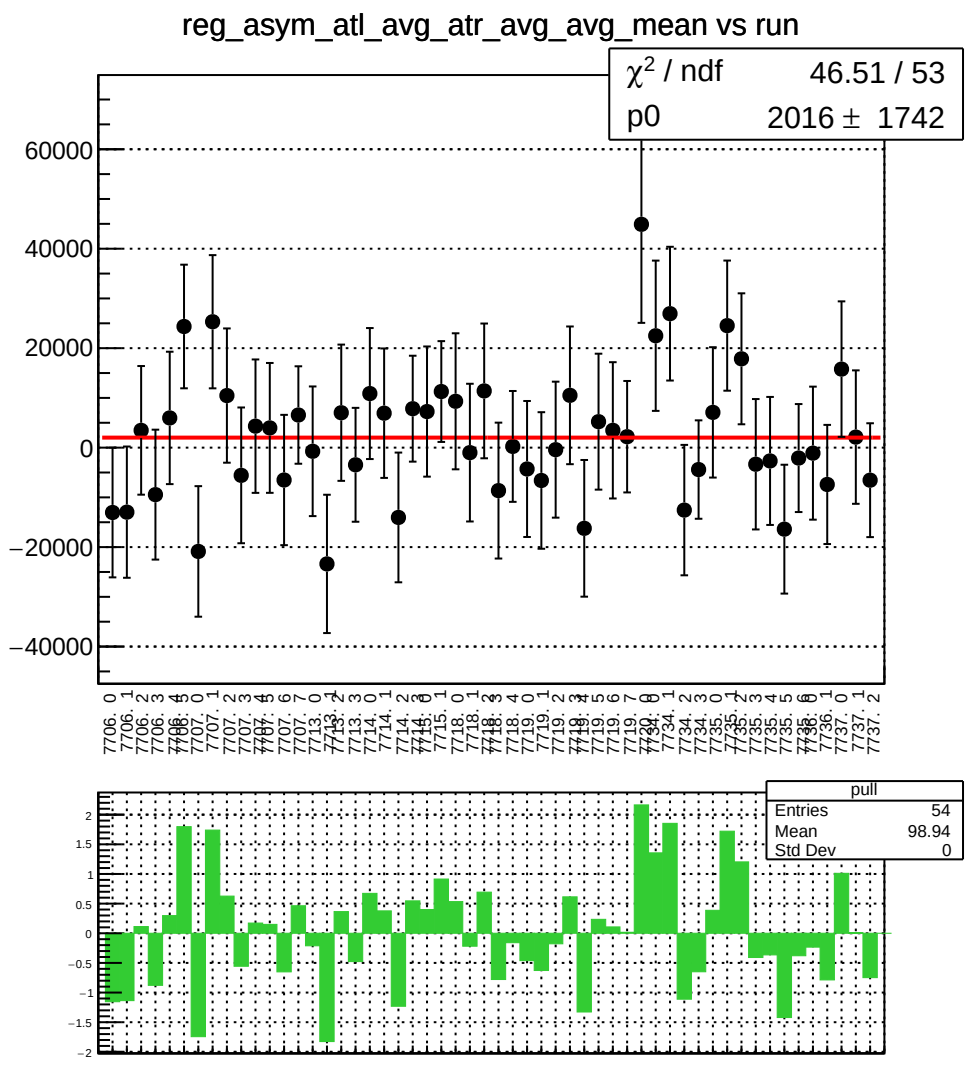

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

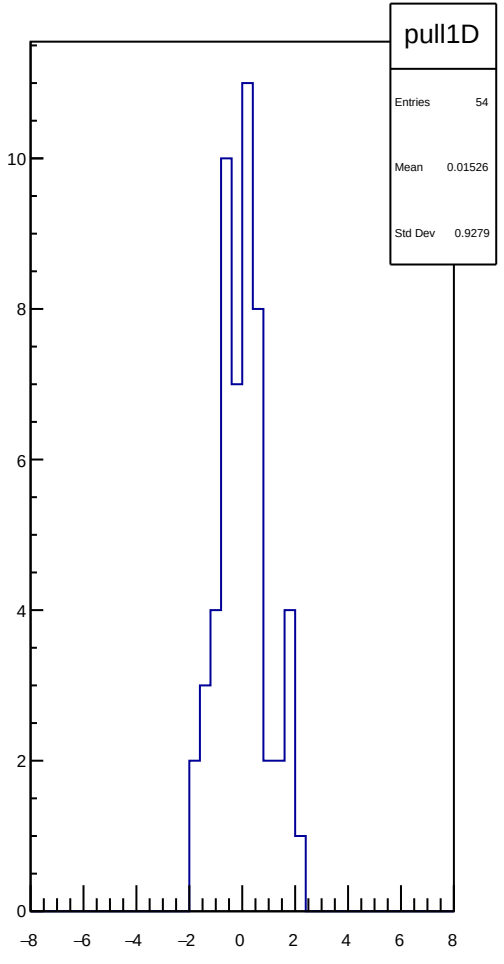

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 507.7
Std Dev 0
pull1D
Entries 54
Mean −0.004095
Std Dev 0.9881

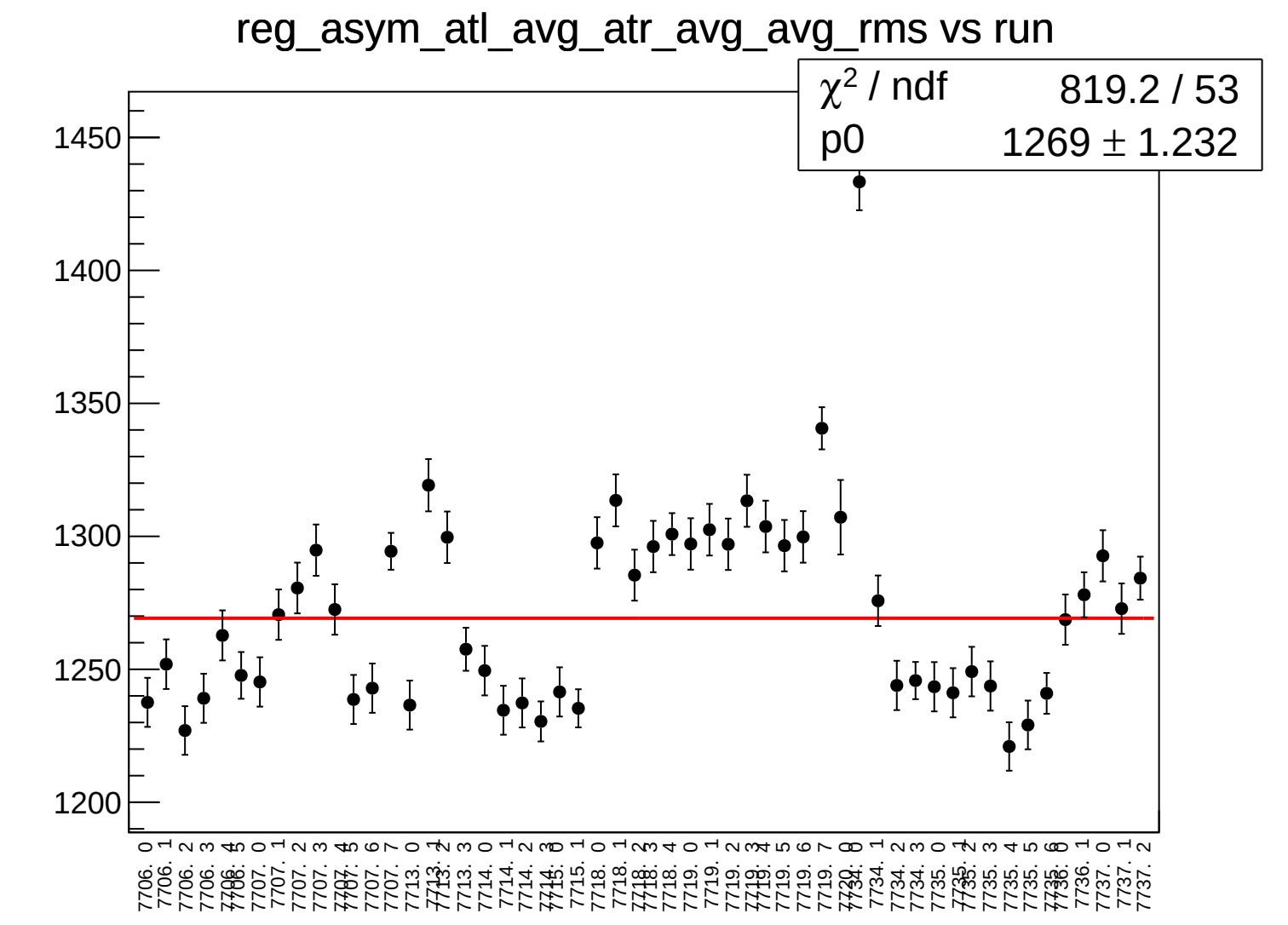

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

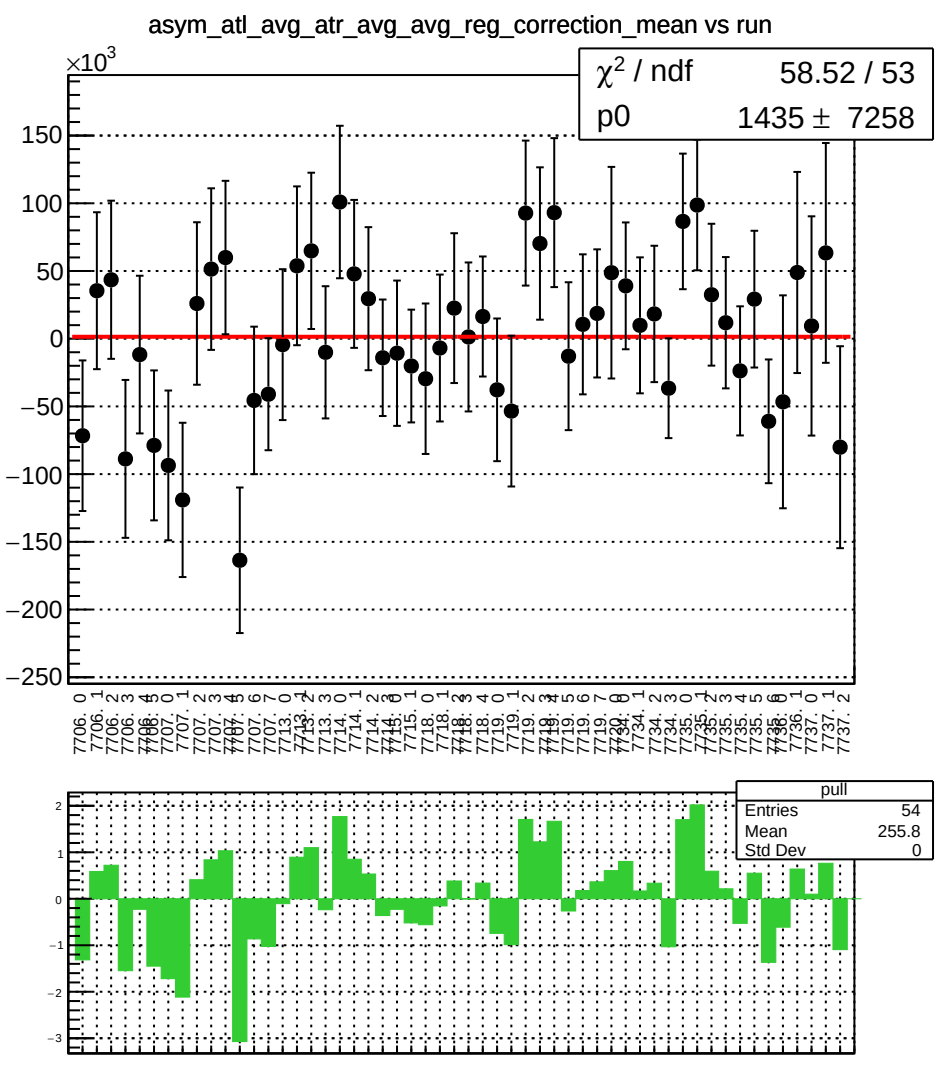

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.41 / 53
p0 −3.453e−13 ± 2.908e−13
pull
Entries 54
Mean 25.96
Std Dev 0
pull1D
Entries 54
Mean 0.08166
Std Dev 1.114

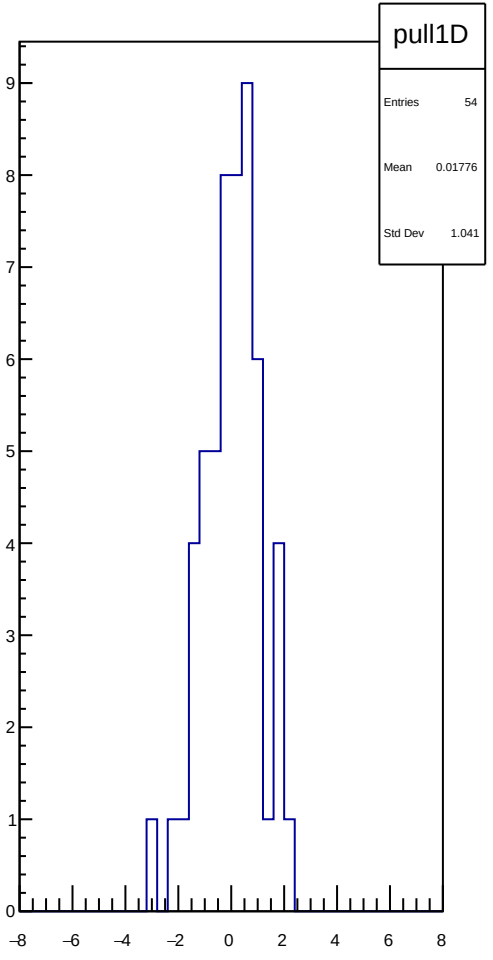

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.767e+05 / 53
p0 1.433e−10 ± 2.057e−13
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

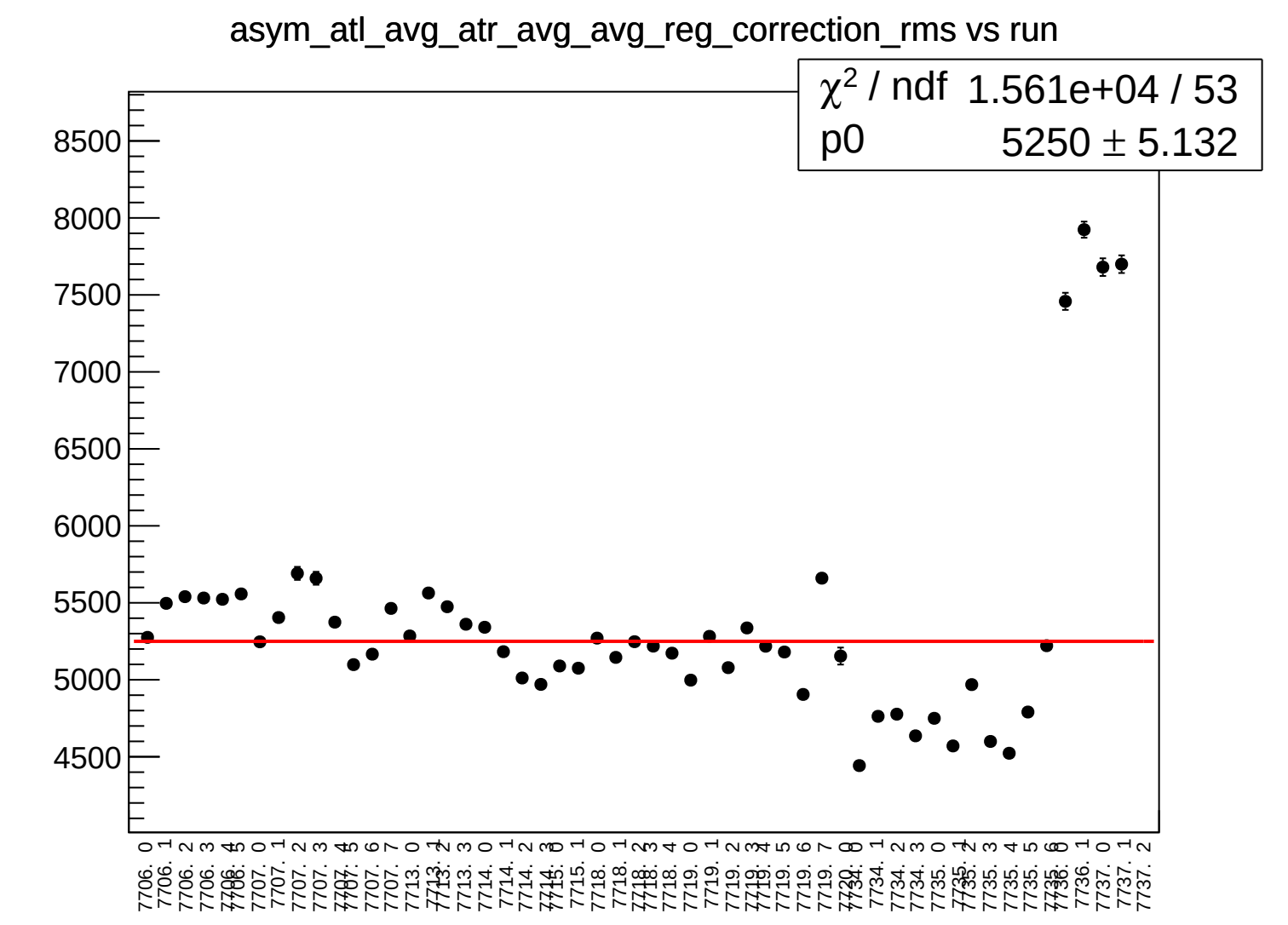

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.51 / 53
p0 2016 ± 1742
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 98.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

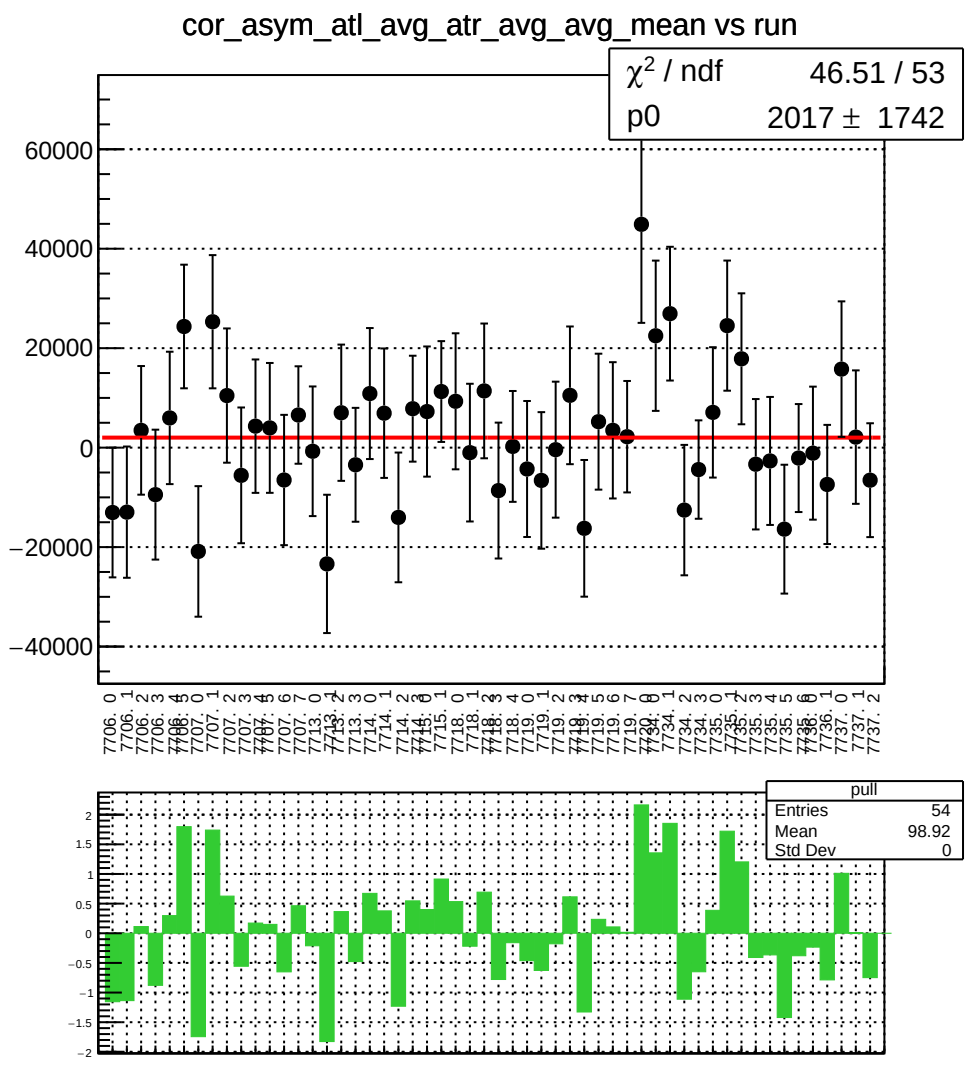

pull1D
Entries 54
Mean 0.01526
Std Dev 0.9279
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

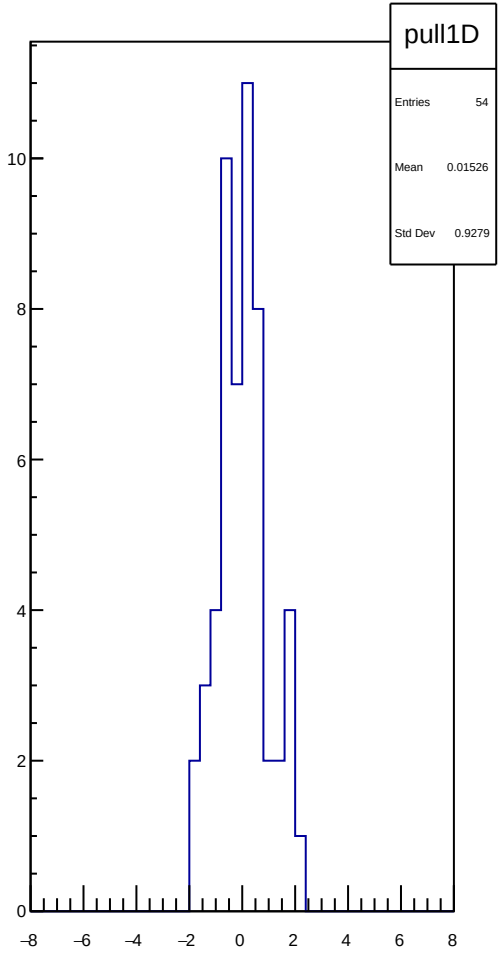

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 819.2 / 53
p0 1269 ± 1.232
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

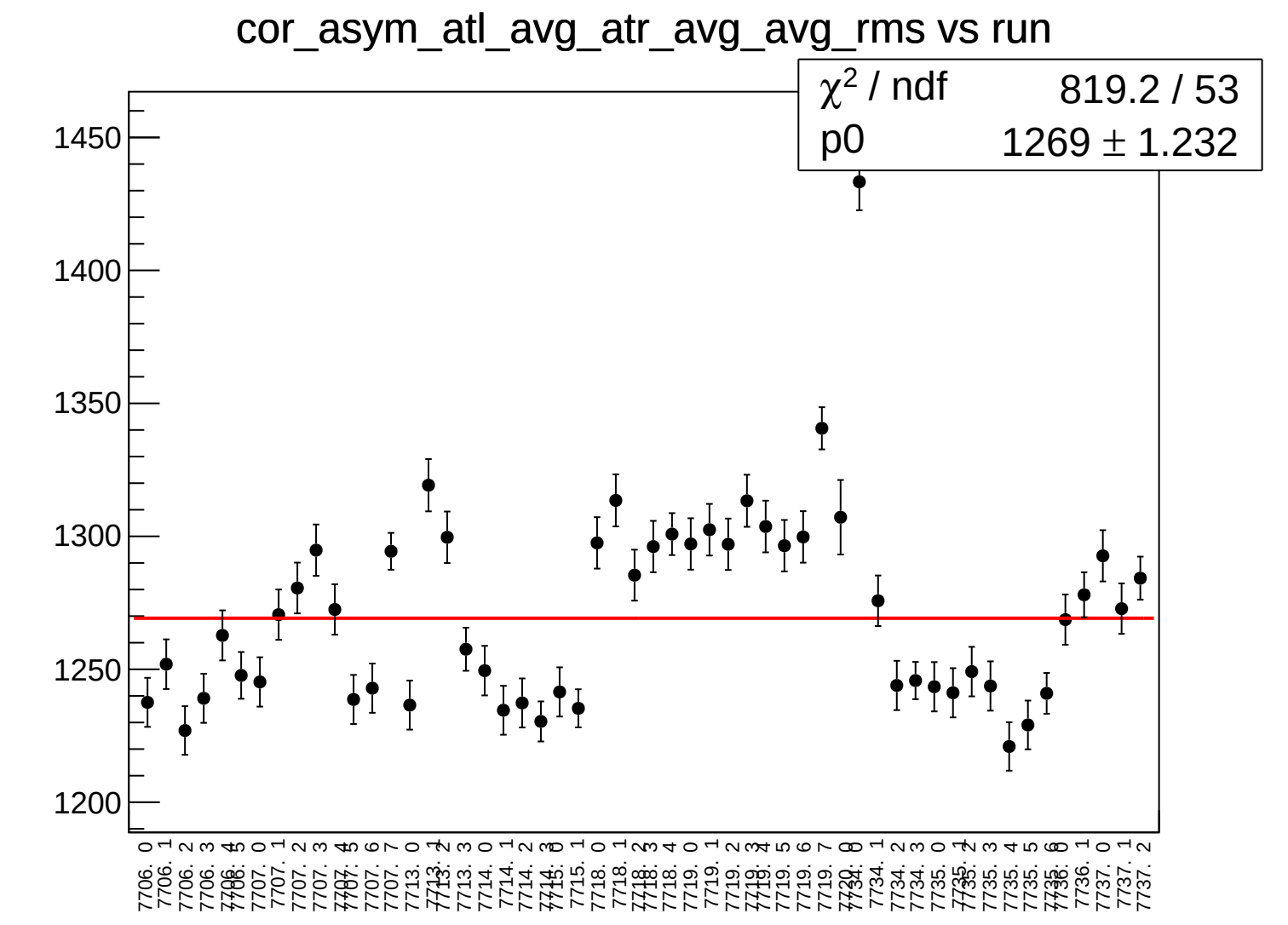

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.52 / 53
p0 1435 ± 7258
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean 255.8
Std Dev 0
2
1
0
−1
−2
−3

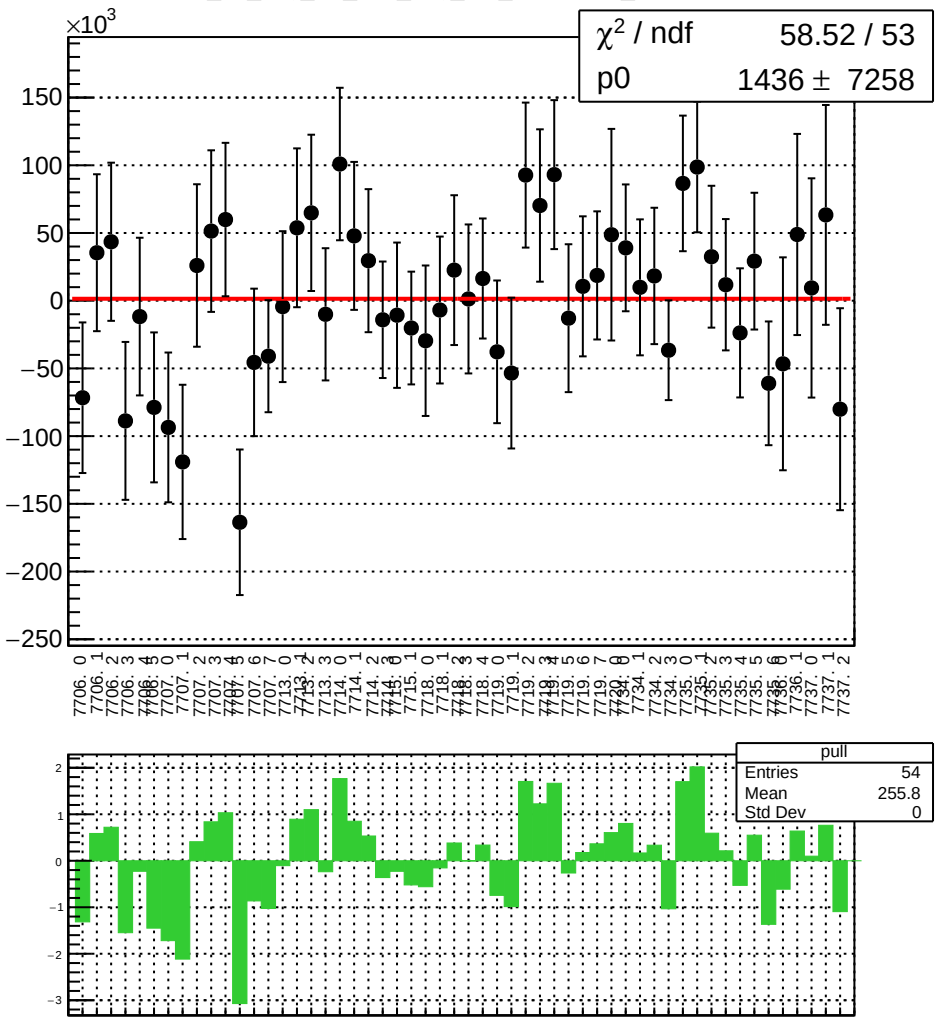

pull1D
Entries 54
Mean 0.01776
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

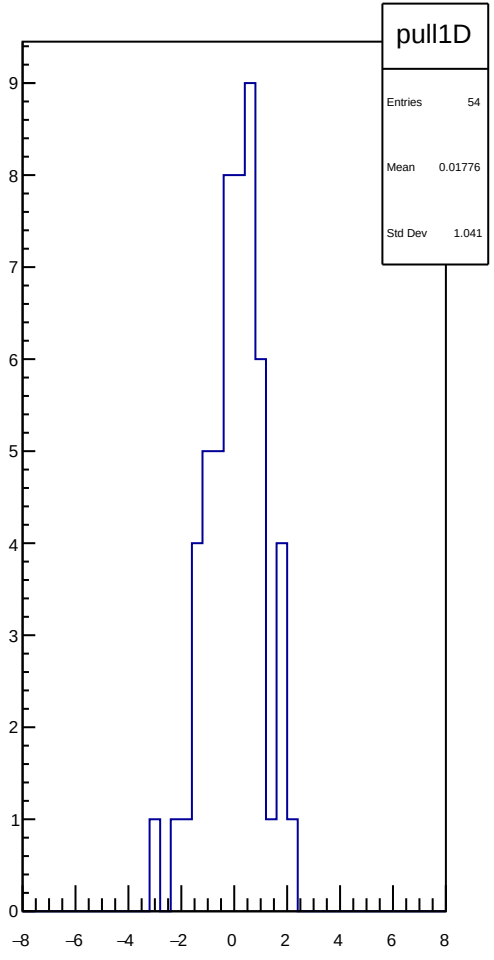

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.561e+04 / 53
p0 5250 ± 5.132
8500
8000
7500
7000
6500
6000
5500
5000
4500

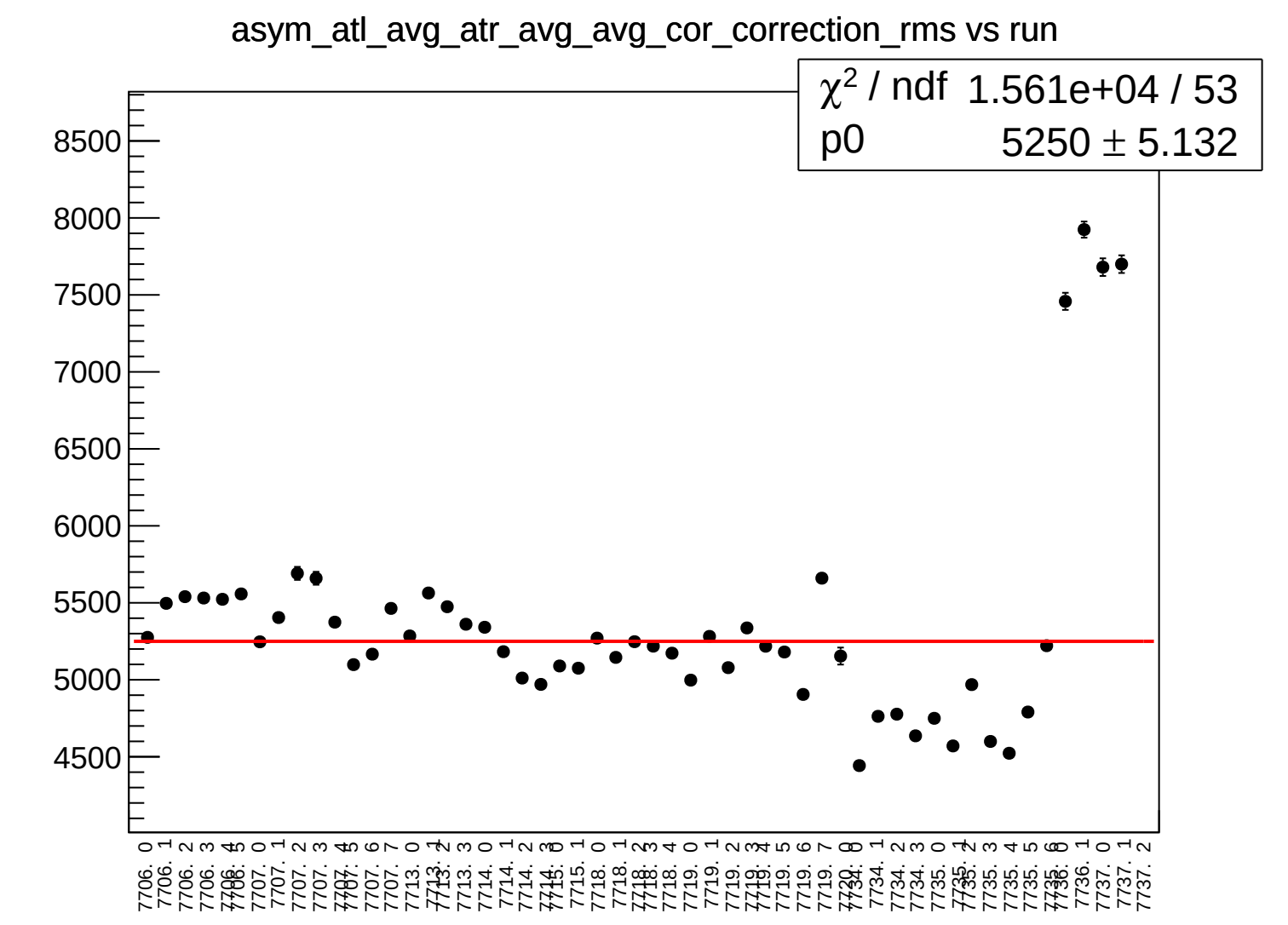

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.51 / 53
p0 2017 ± 1742
pull
Entries 54
Mean 98.92
Std Dev 0

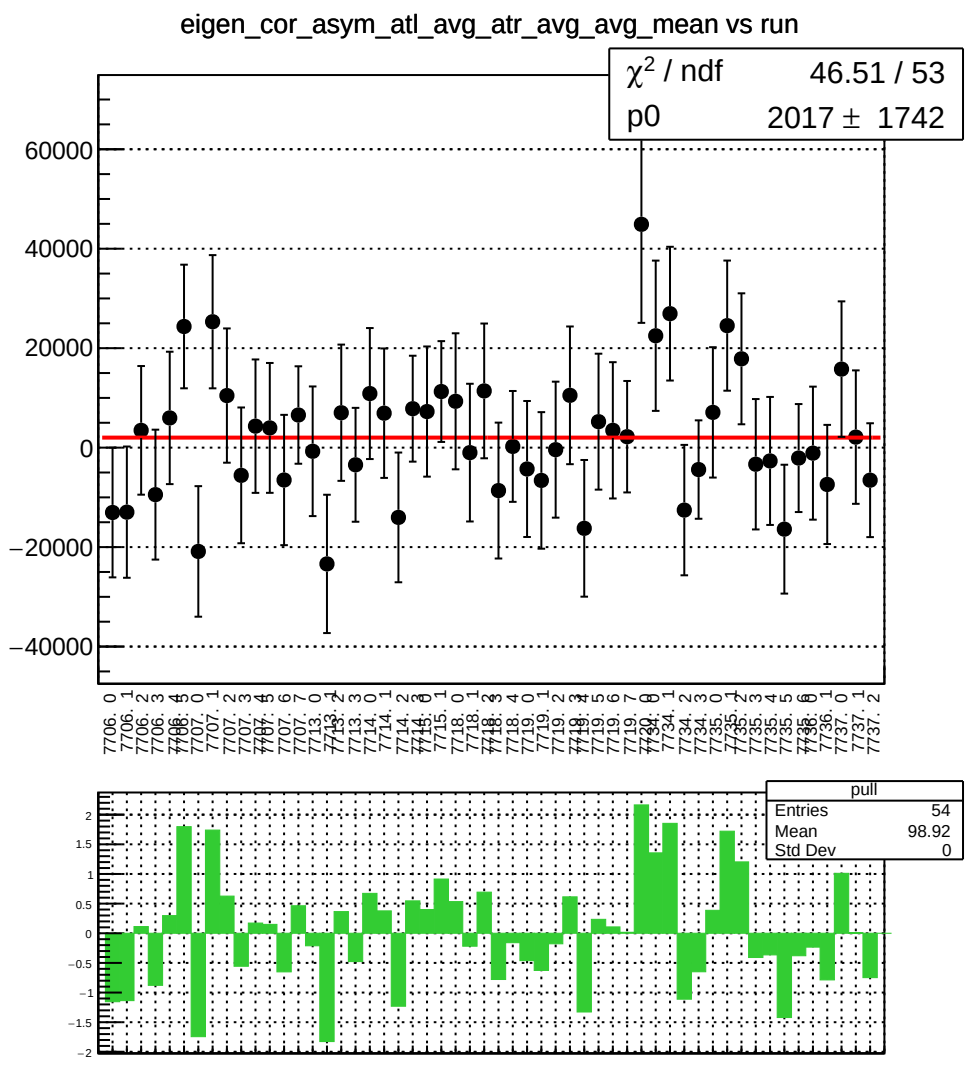

pull1D
Entries 54
Mean 0.01526
Std Dev 0.9279

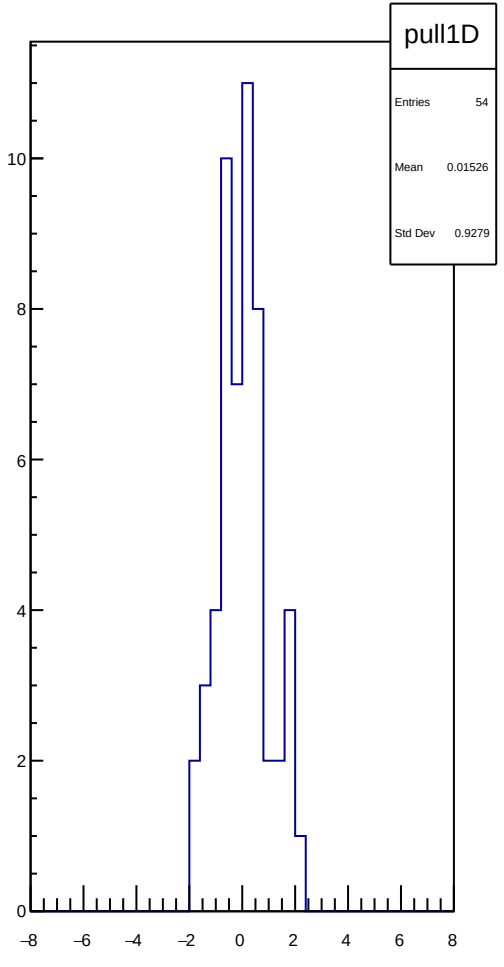

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 819.2 / 53
p0 1269 ± 1.232
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

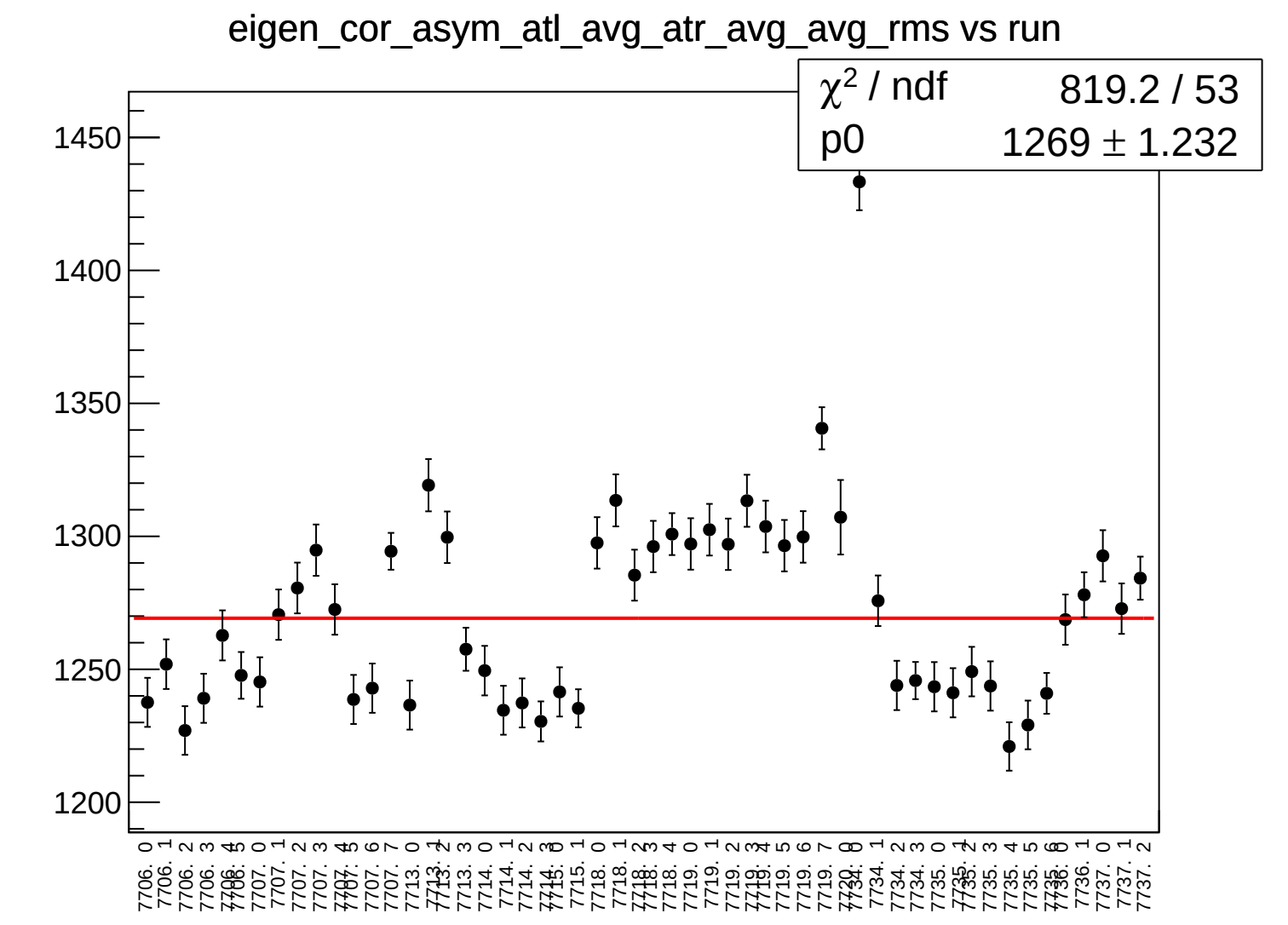

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
χ² / ndf 58.52 / 53
p0 1436 ± 7258
pull
Entries 54
Mean 255.8
Std Dev 0

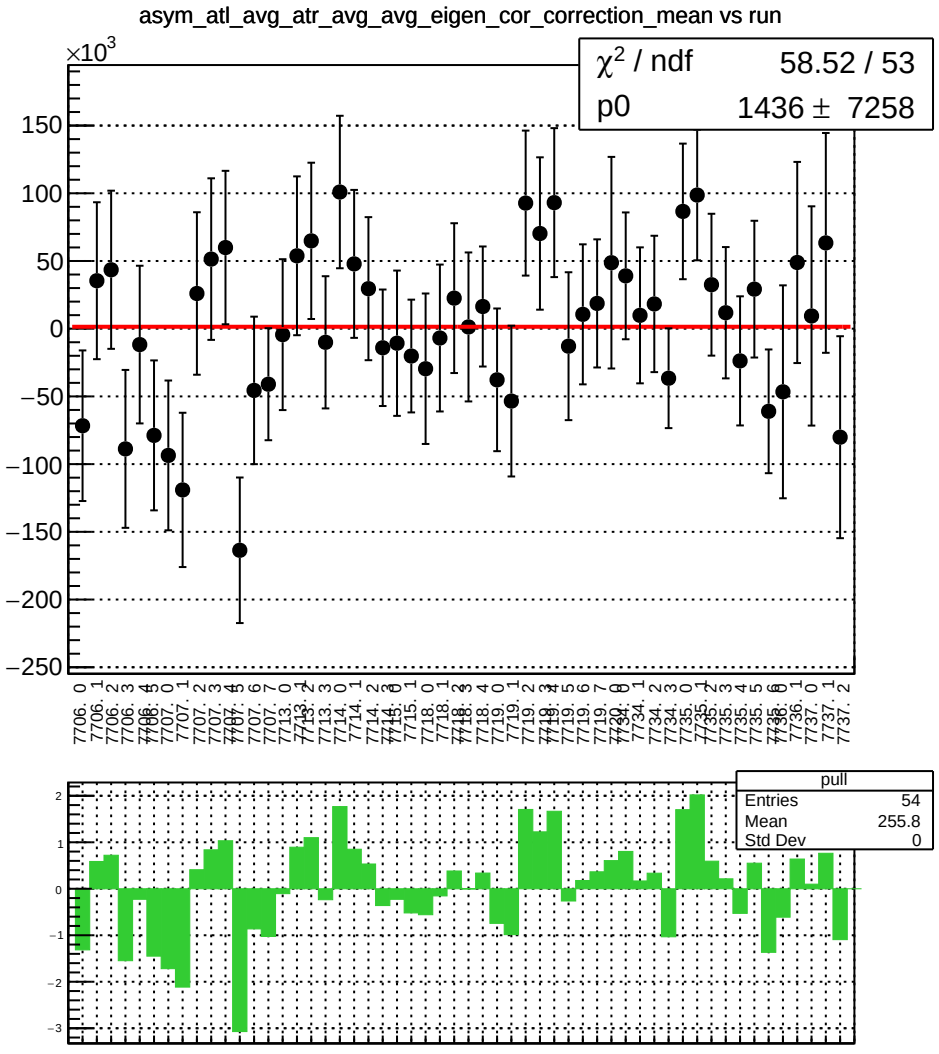

pull1D
Entries 54
Mean 0.01776
Std Dev 1.041

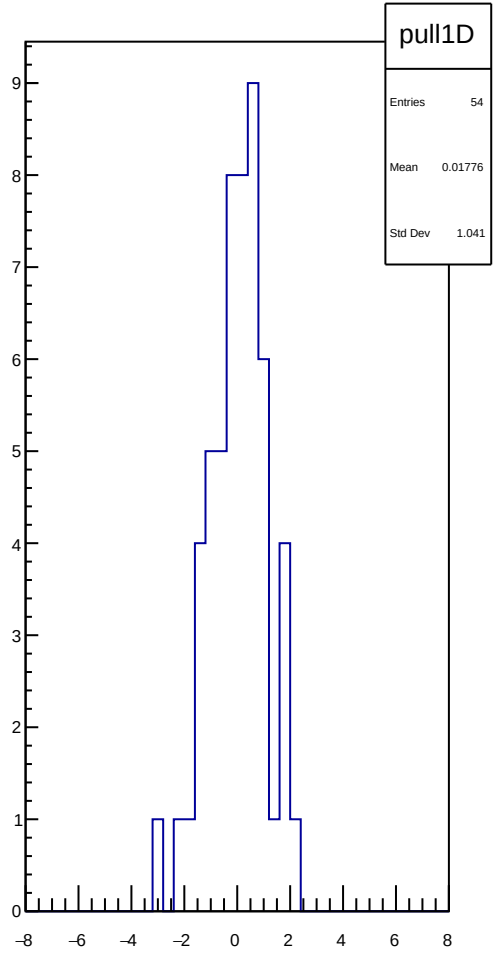

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.561e+04 / 53
p0 5250 ± 5.132
8500
8000
7500
7000
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

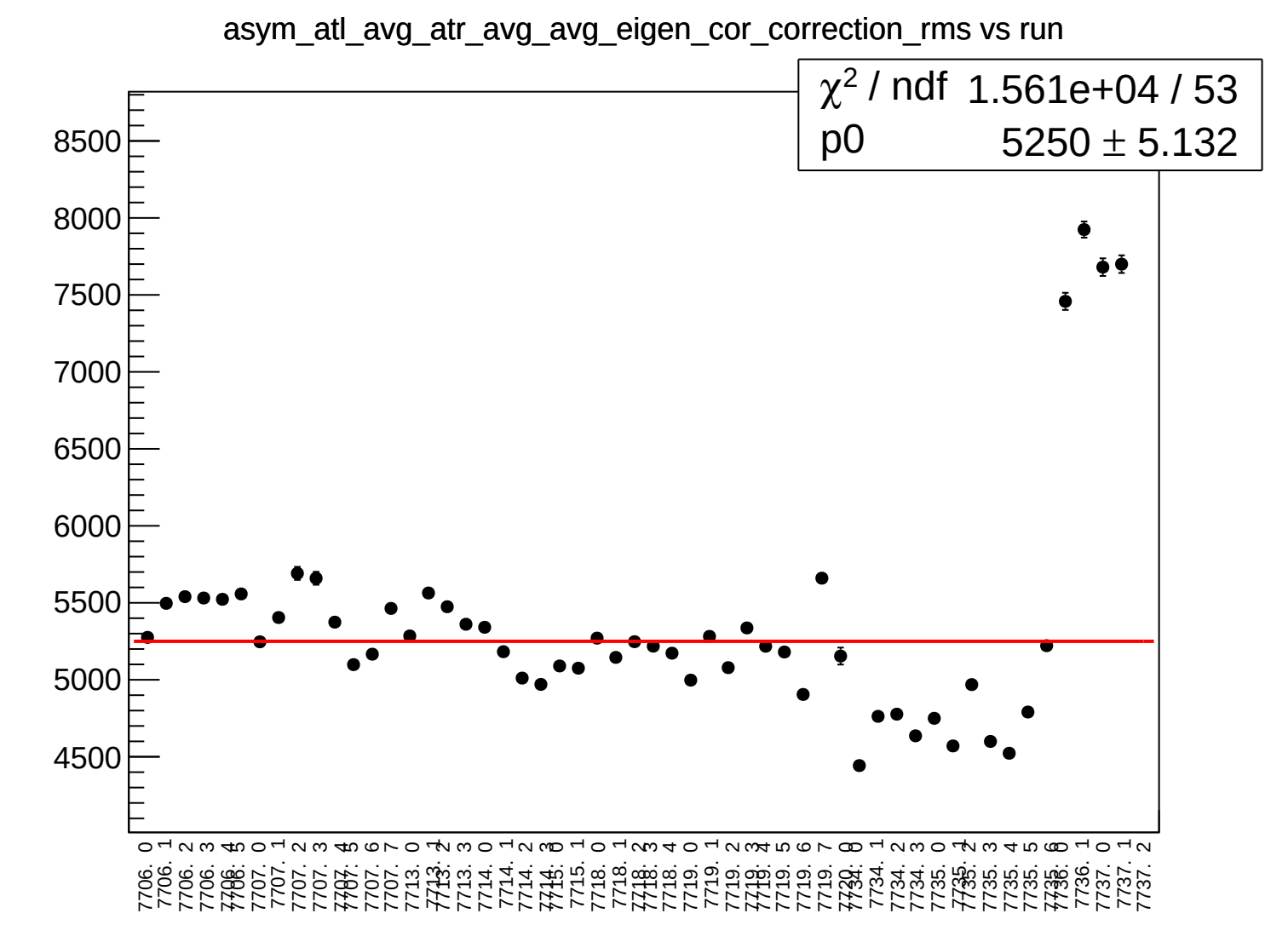

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.51 / 53
p0 2017 ± 1742
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 98.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

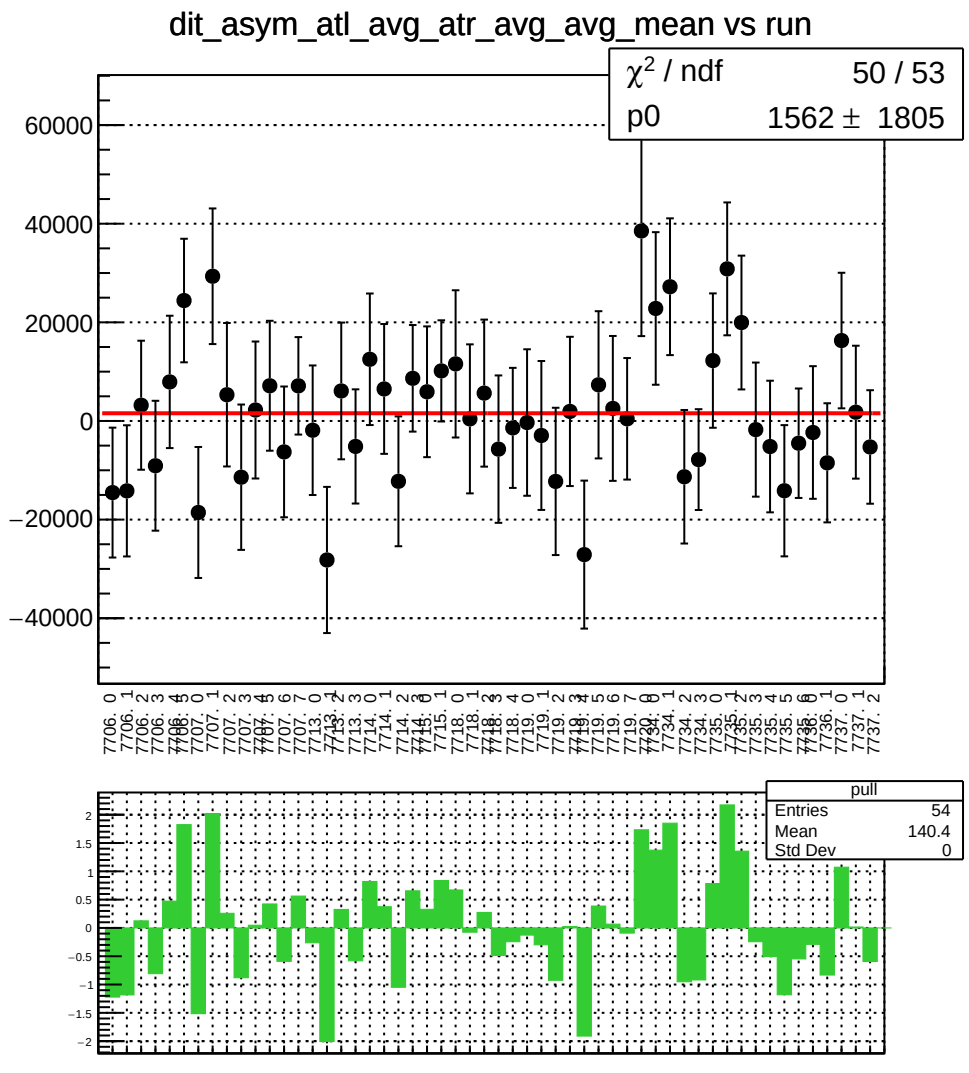

pull1D
Entries 54
Mean 0.01526
Std Dev 0.9279
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

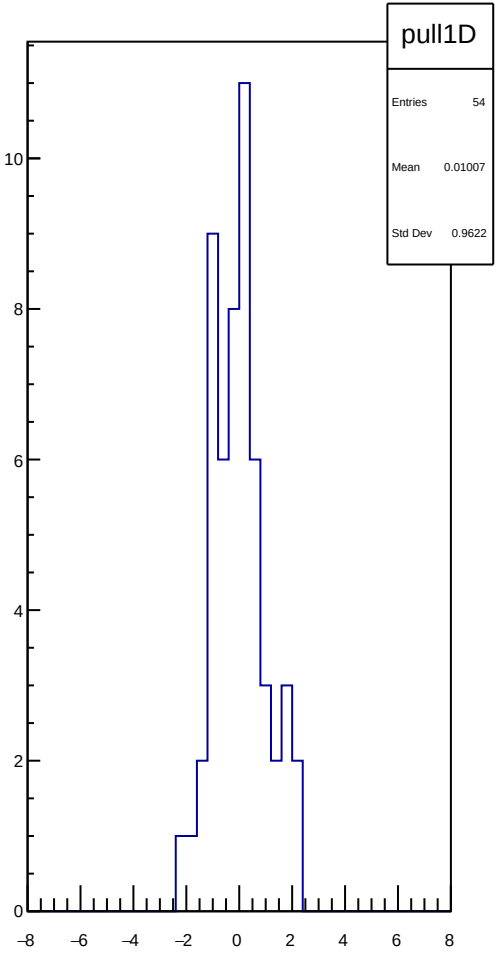

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 819.2 / 53
p0 1269 ± 1.232
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

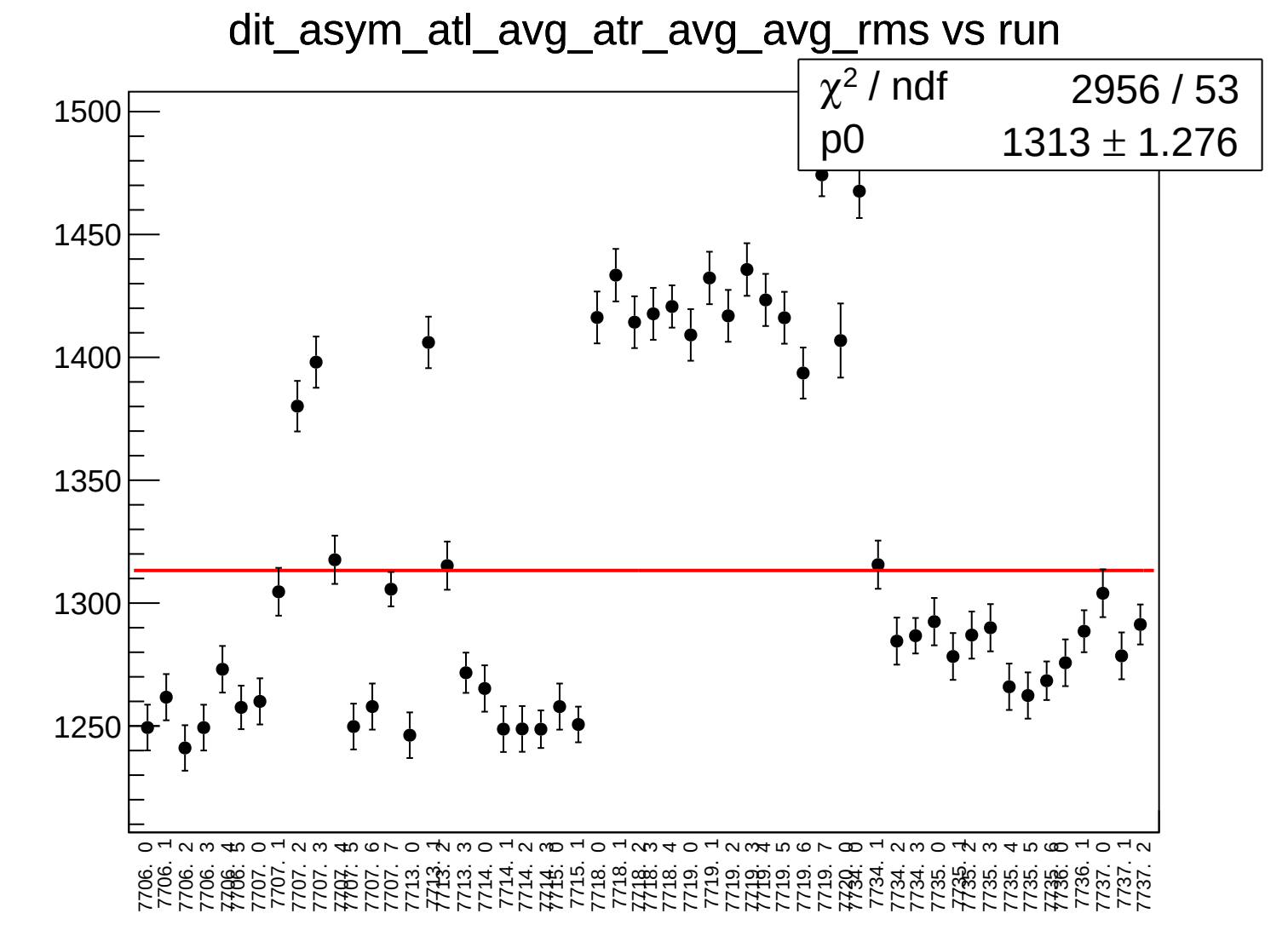

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.52 / 53
p0 1436 ± 7258
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean 255.8
Std Dev 0
2
1
0
−1
−2
−3

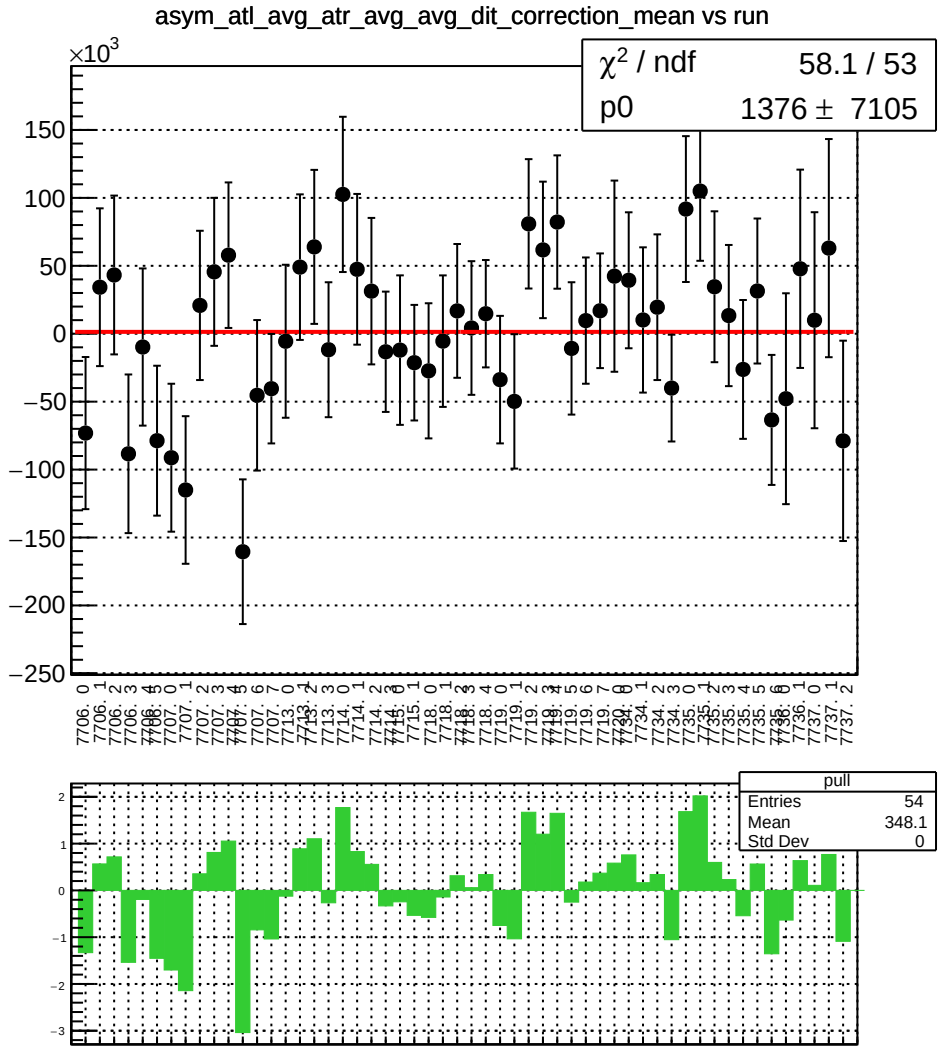

pull1D
Entries 54
Mean 0.01776
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

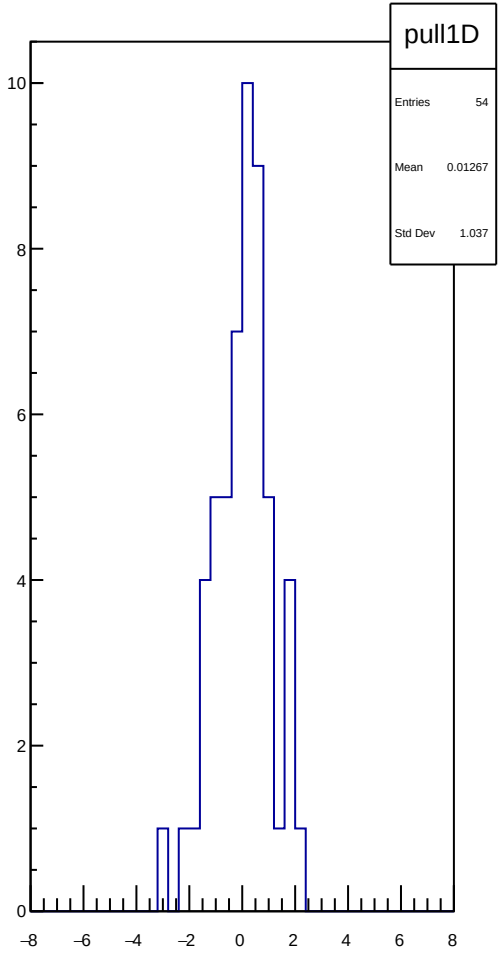

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.561e+04 / 53
p0 5250 ± 5.132
8500
8000
7500
7000
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

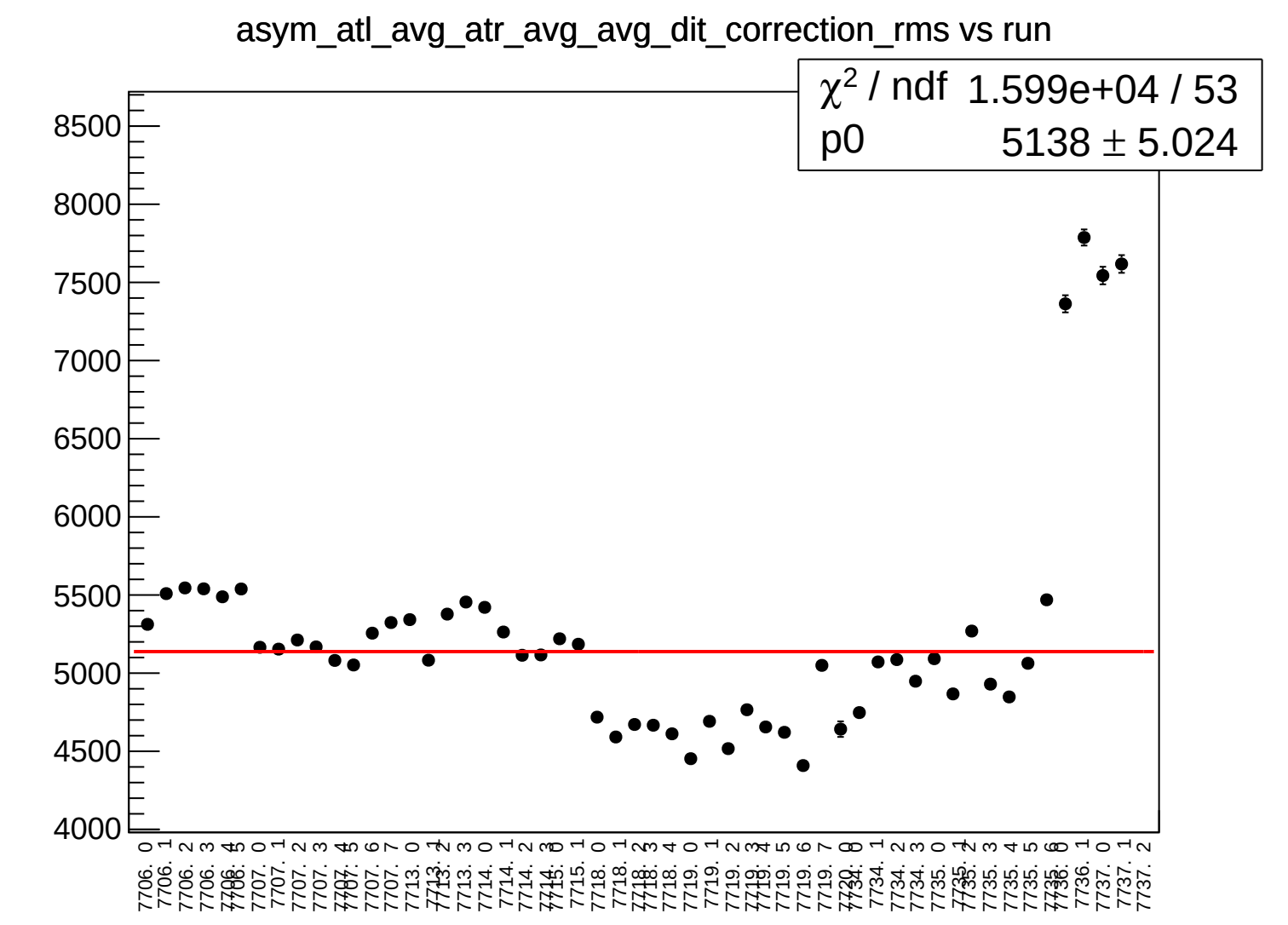

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50 / 53
p0 1562 ± 1805
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 140.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

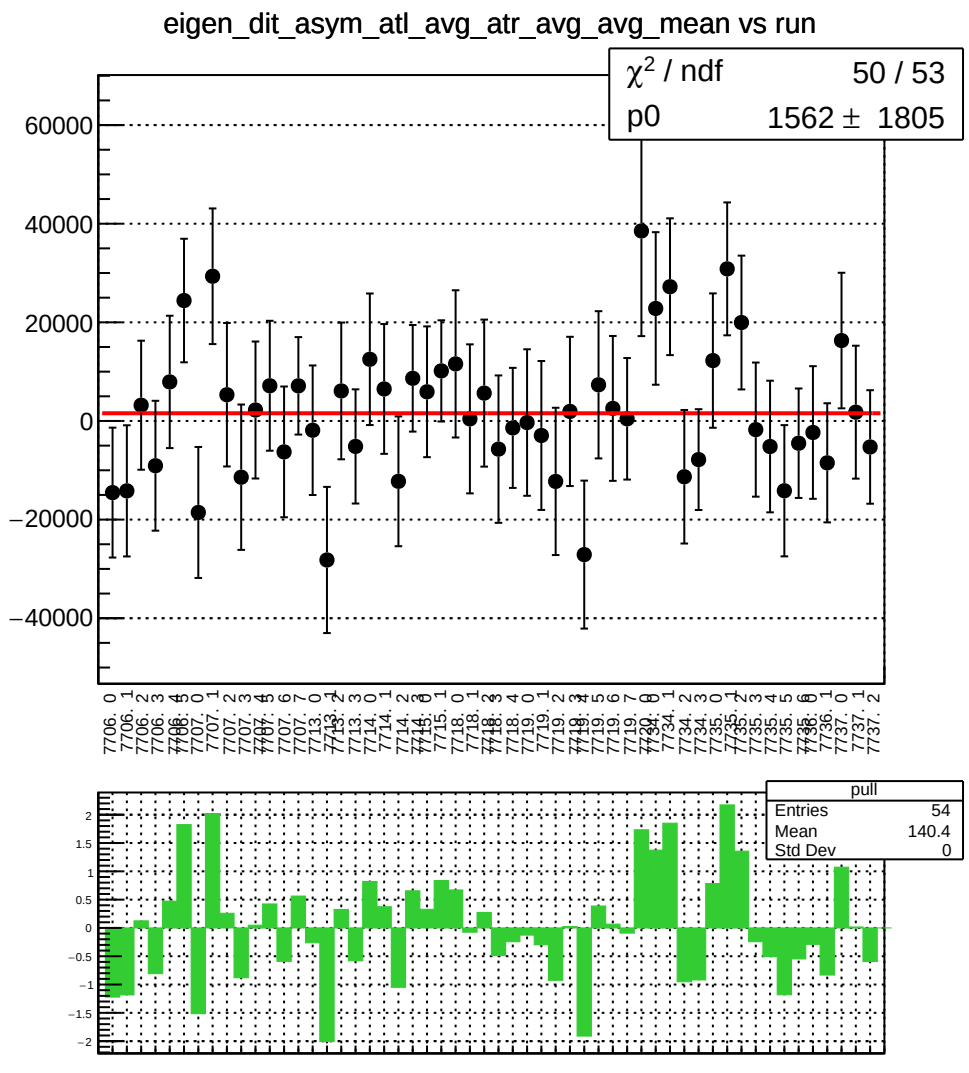

pull1D
Entries 54
Mean 0.01007
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

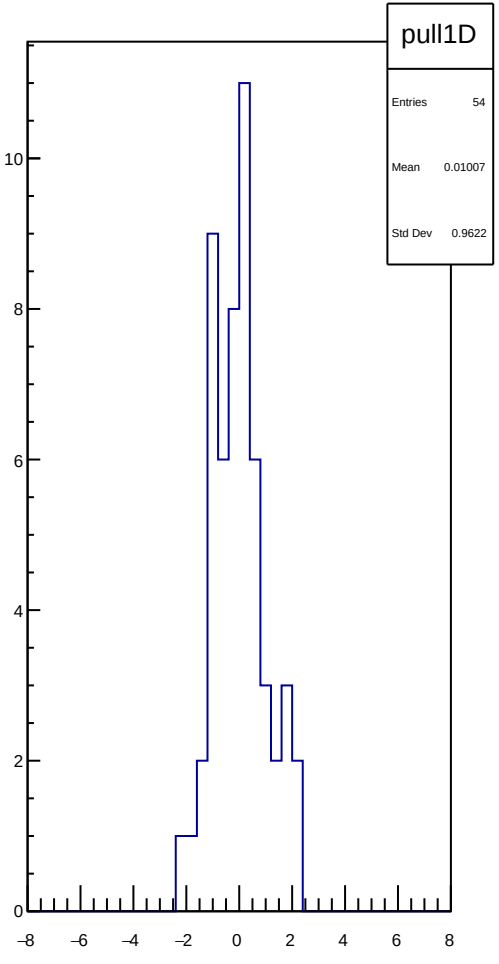

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2956 / 53
p0 1313 ± 1.276
1500
1450
1400
1350
1300
1250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

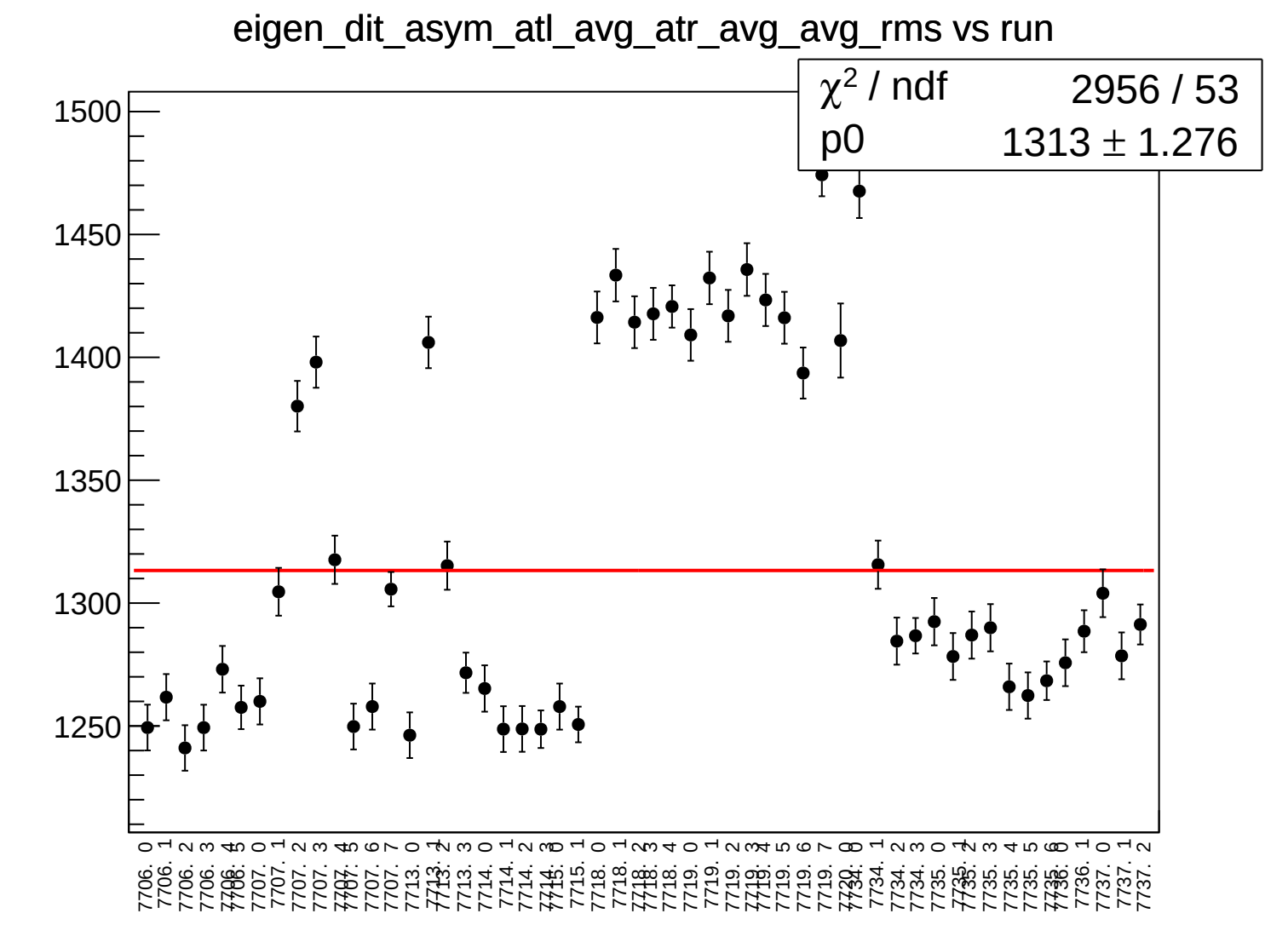

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.1 / 53
p0 1376 ± 7105
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean 348.1
Std Dev 0
2
1
0
−1
−2
−3

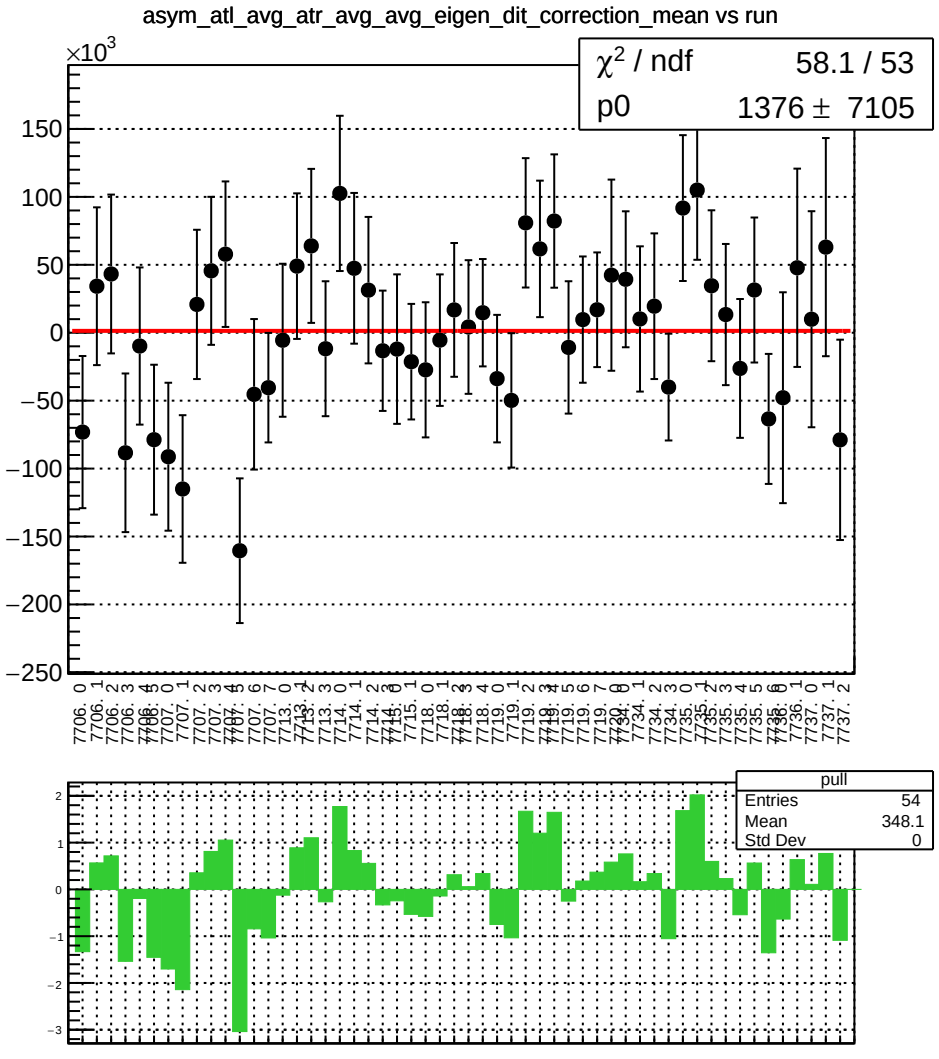

pull1D
Entries 54
Mean 0.01267
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

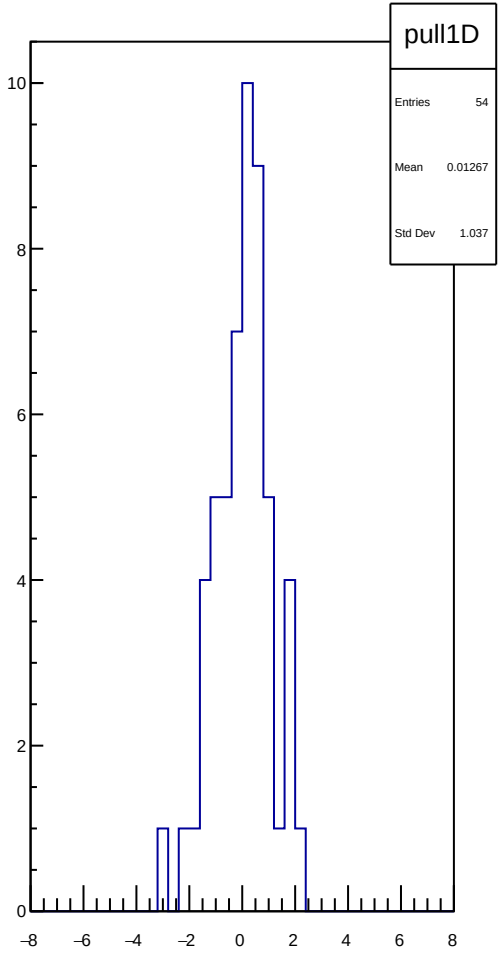

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.599e+04 / 53
p0 5138 ± 5.024
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

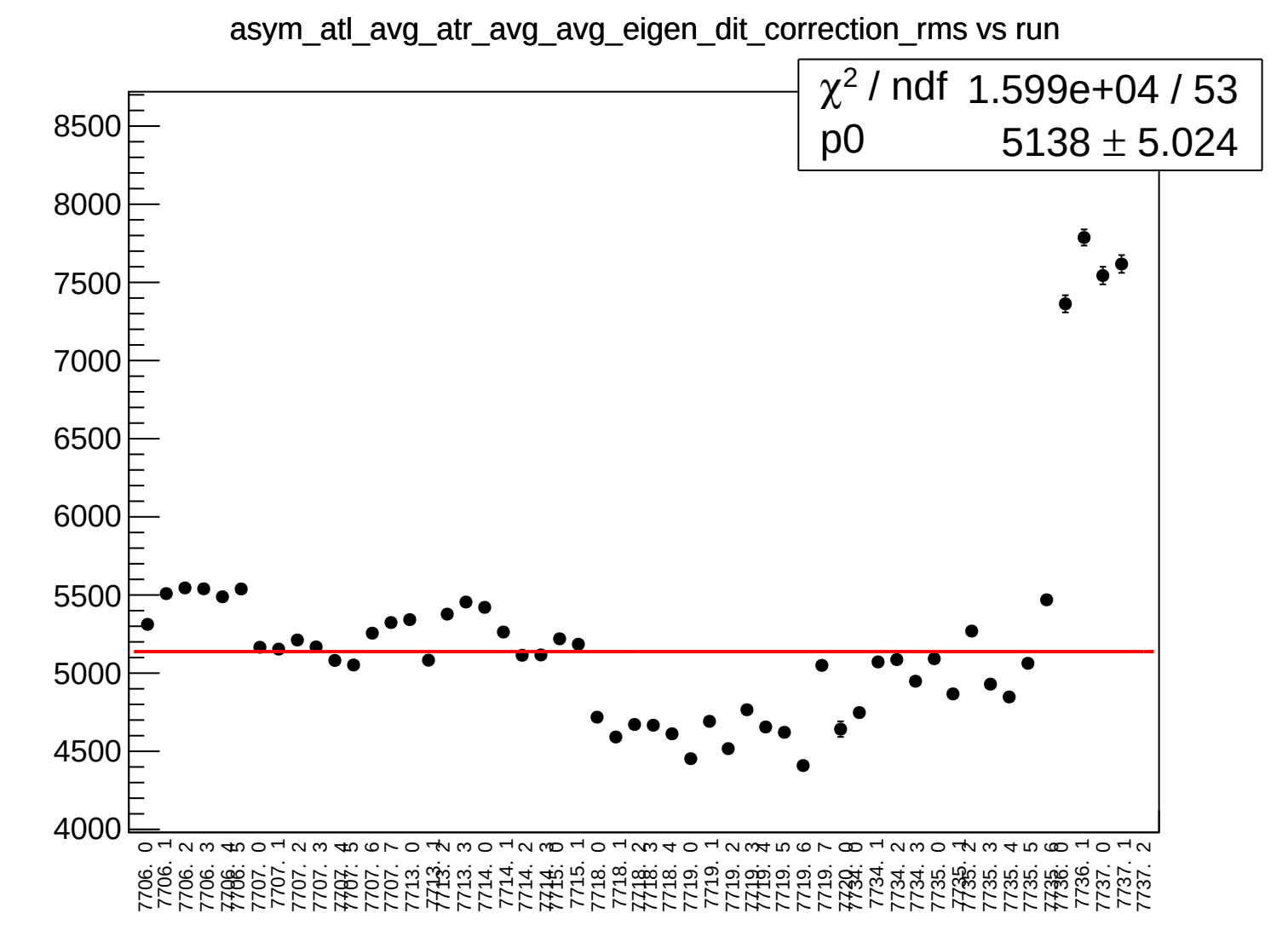

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50 / 53
p0 1562 ± 1805
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 140.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

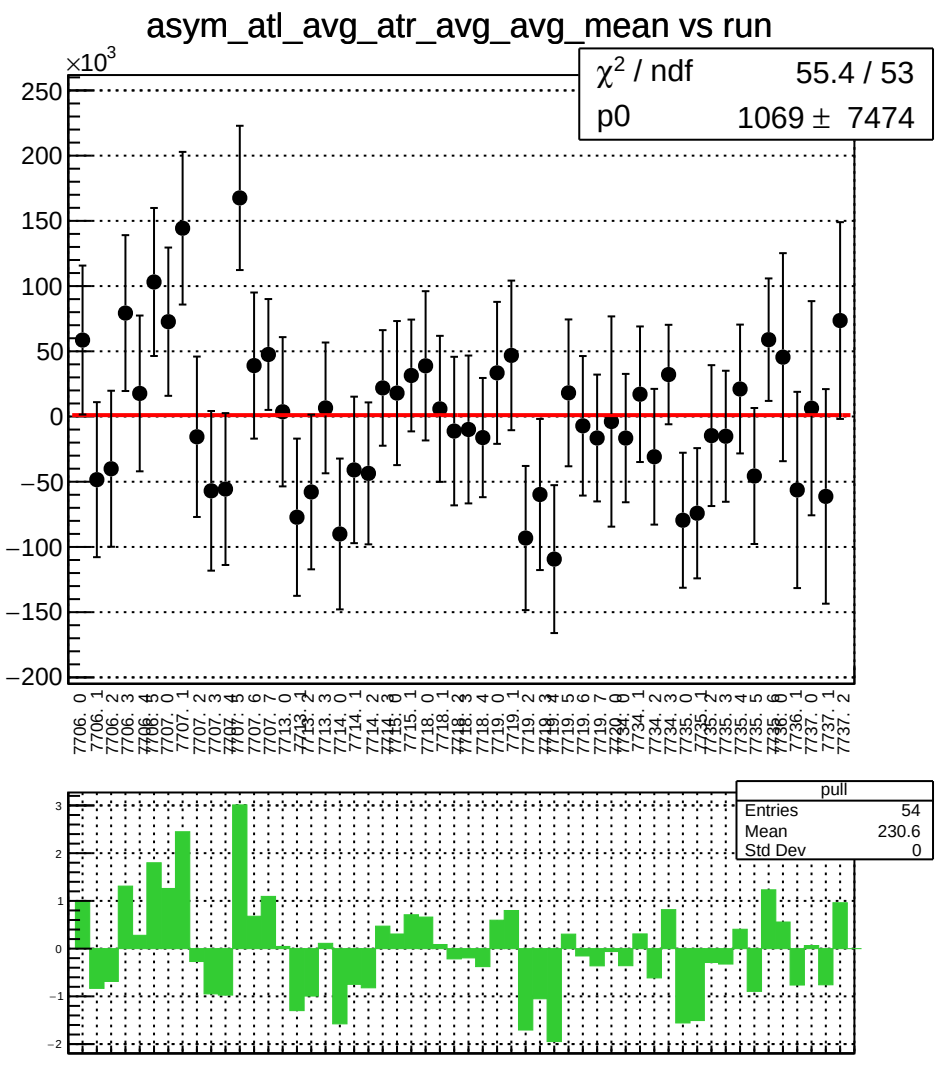

pull1D
Entries 54
Mean 0.01007
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

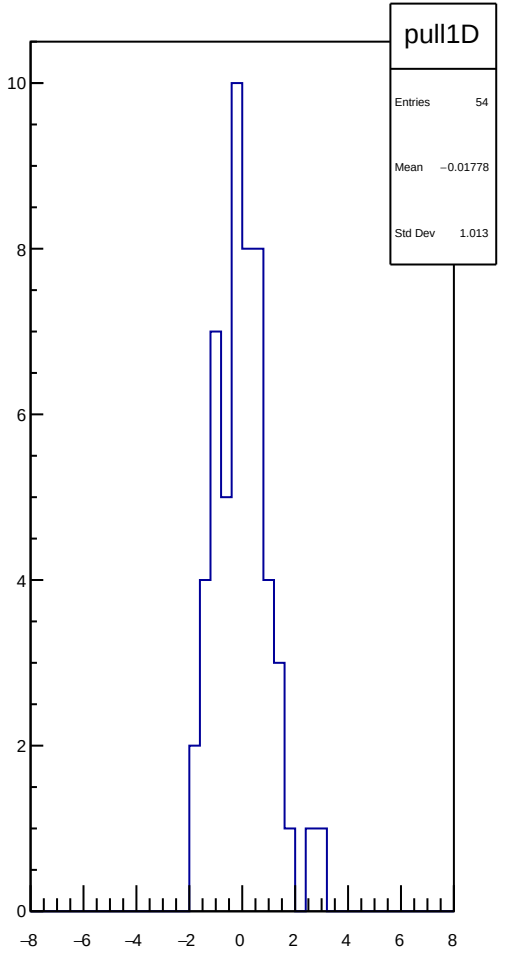

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2956 / 53
p0 1313 ± 1.276
1500
1450
1400
1350
1300
1250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

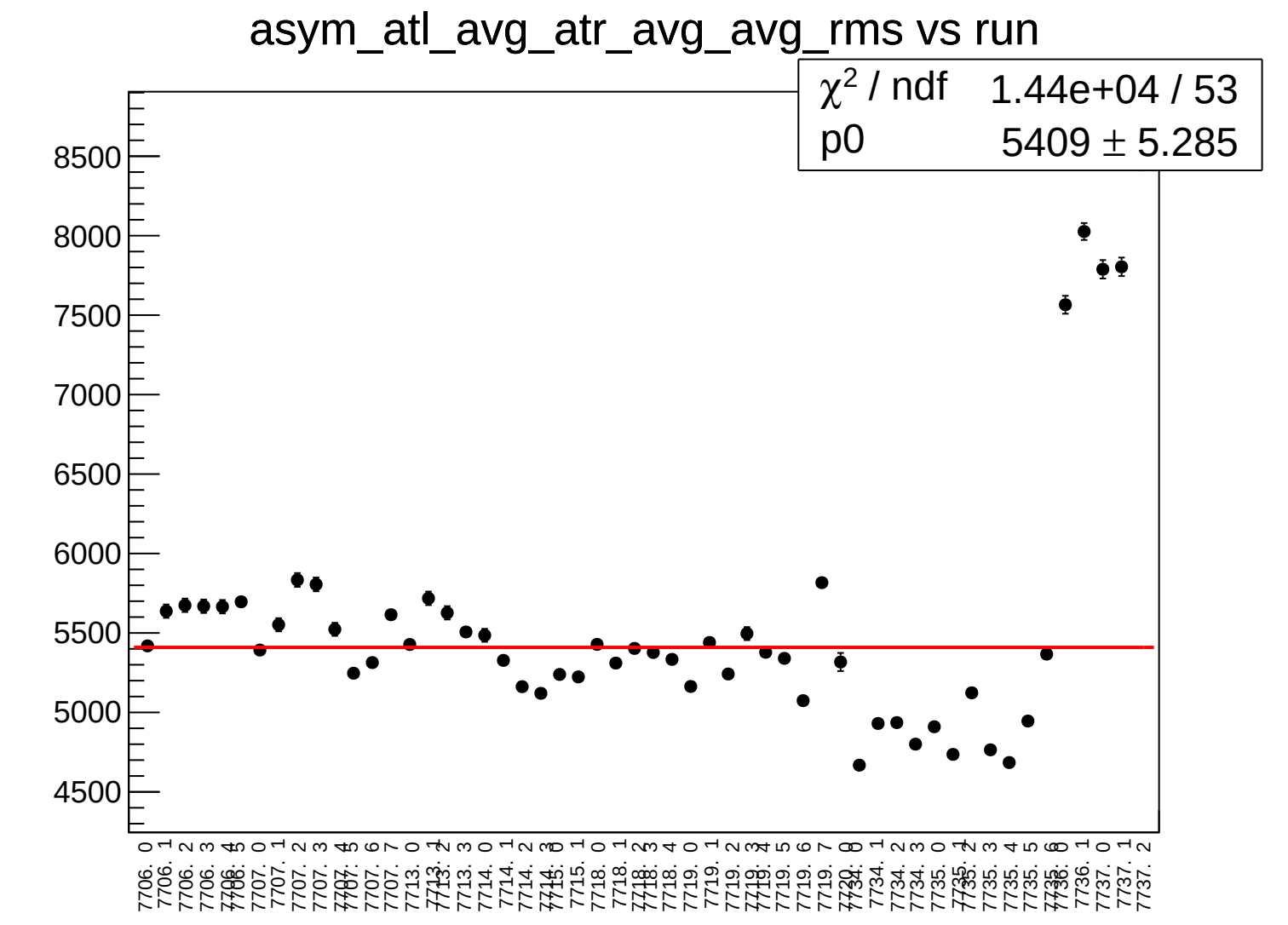

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.1 / 53
p0 1376 ± 7105
pull
Entries 54
Mean 348.1
Std Dev 0

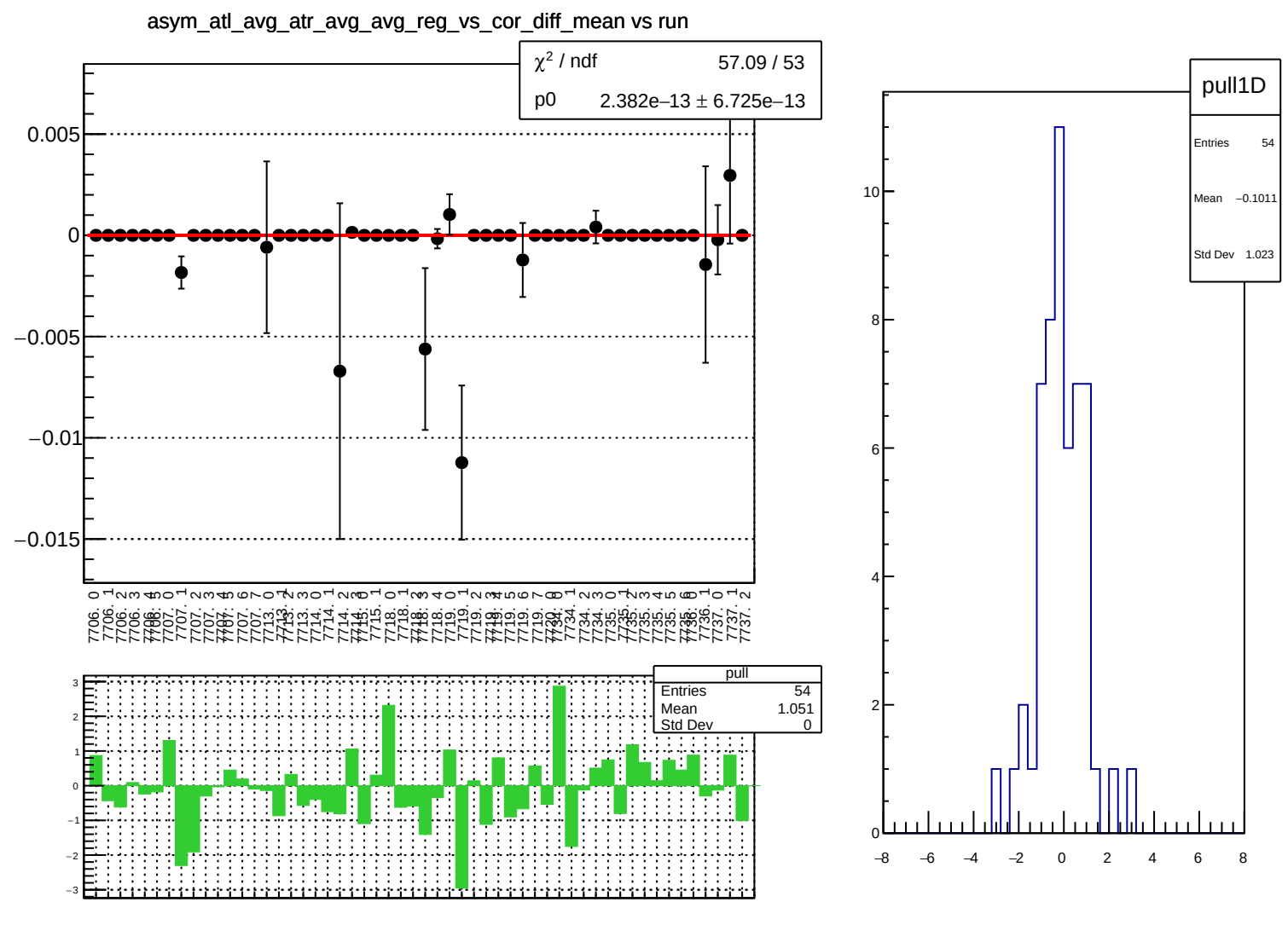

pull1D
Entries 54
Mean 0.01267
Std Dev 1.037

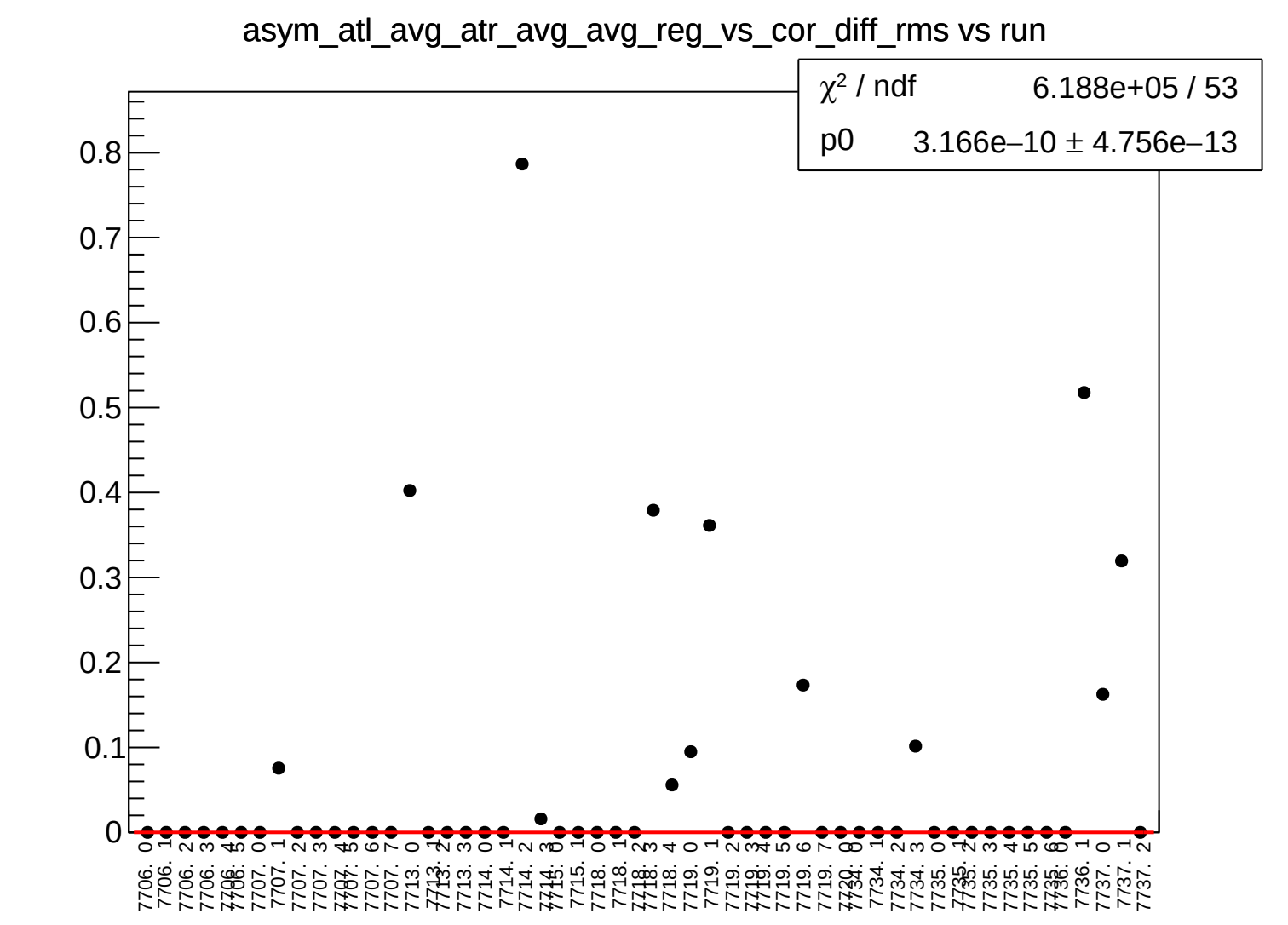

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.599e+04 / 53
p0 5138 ± 5.024
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000

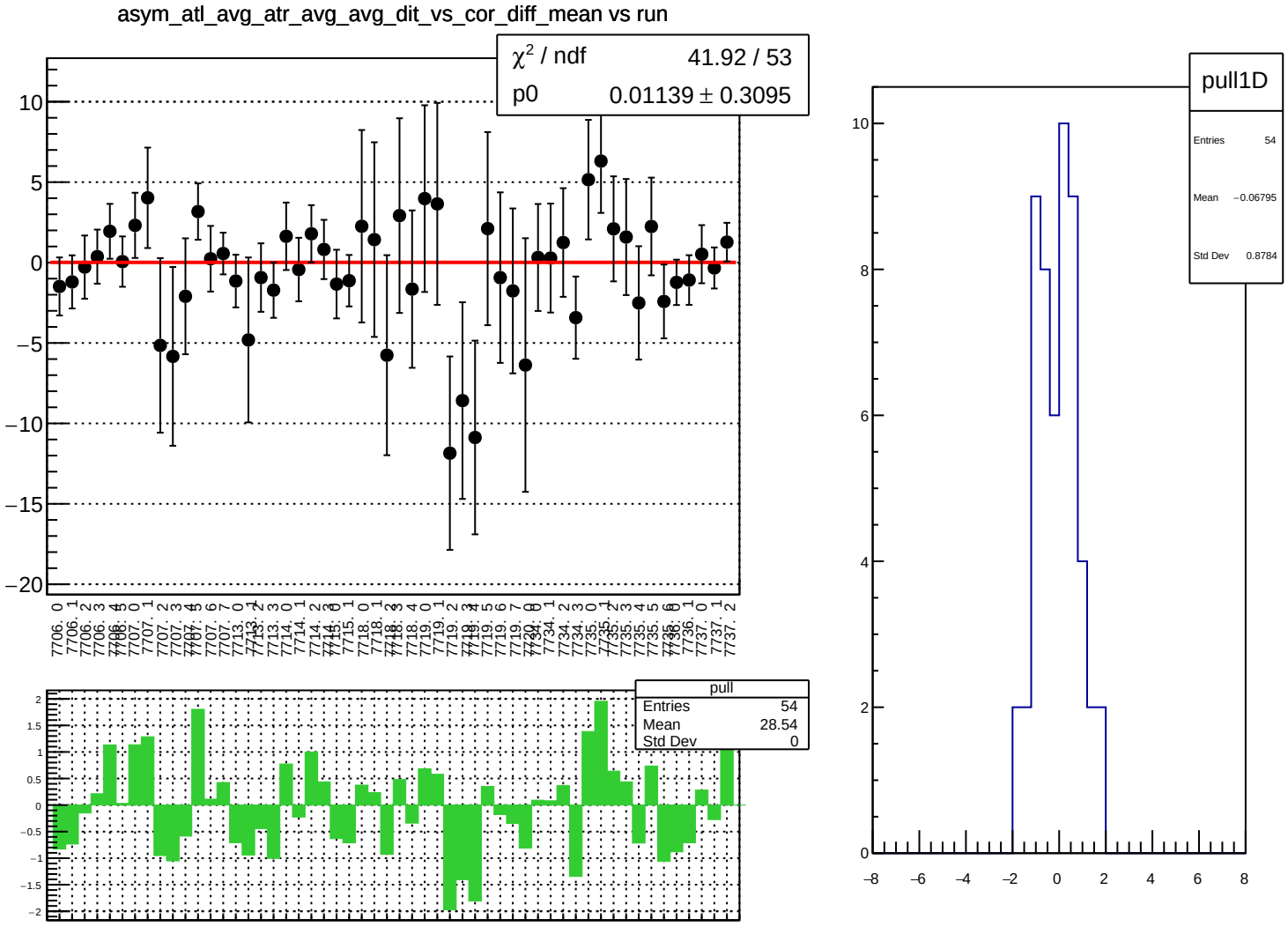

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 55.4 / 53
p0 1069 ± 7474
pull
Entries 54
Mean 230.6
Std Dev 0

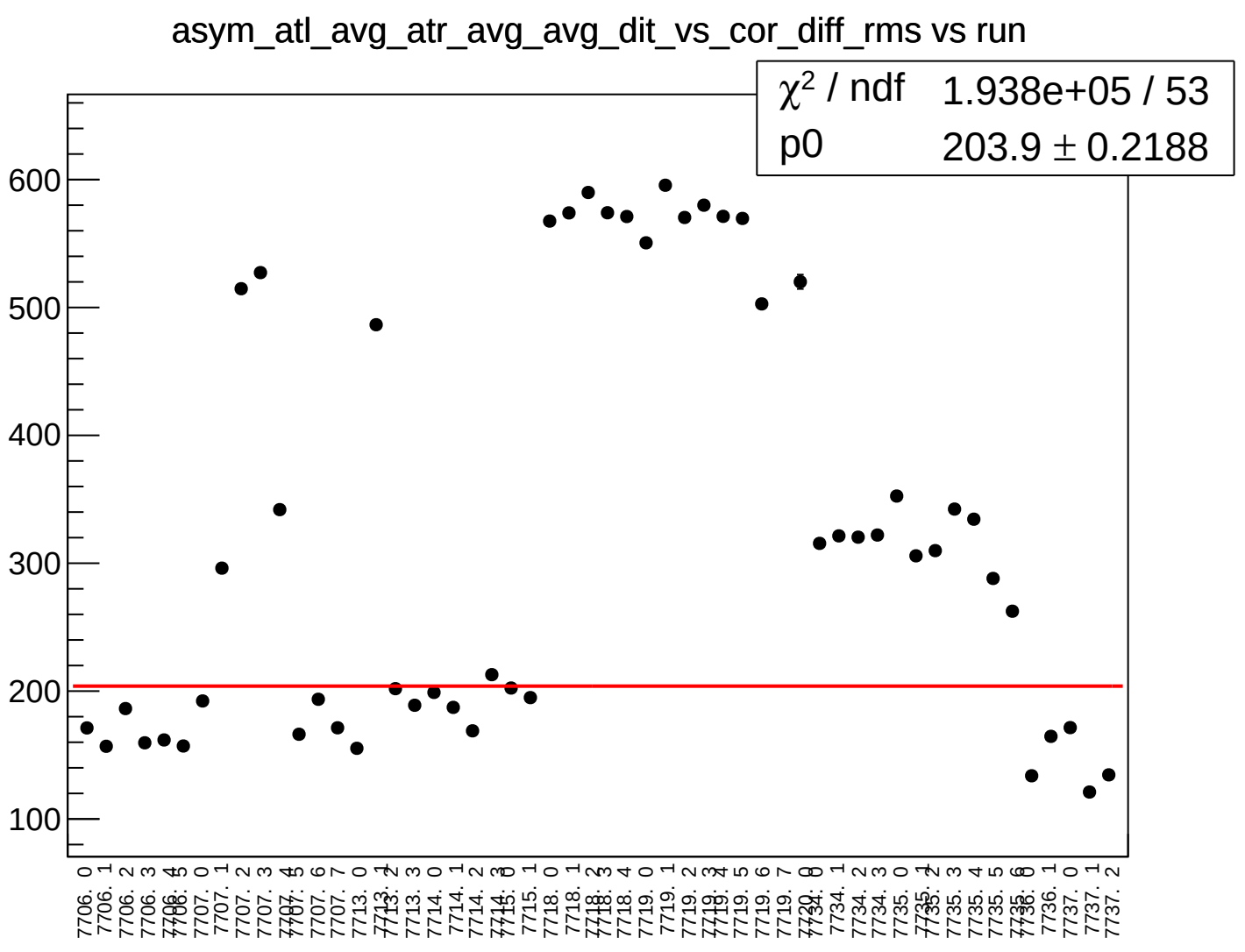

pull1D
Entries 54
Mean −0.01778
Std Dev 1.013

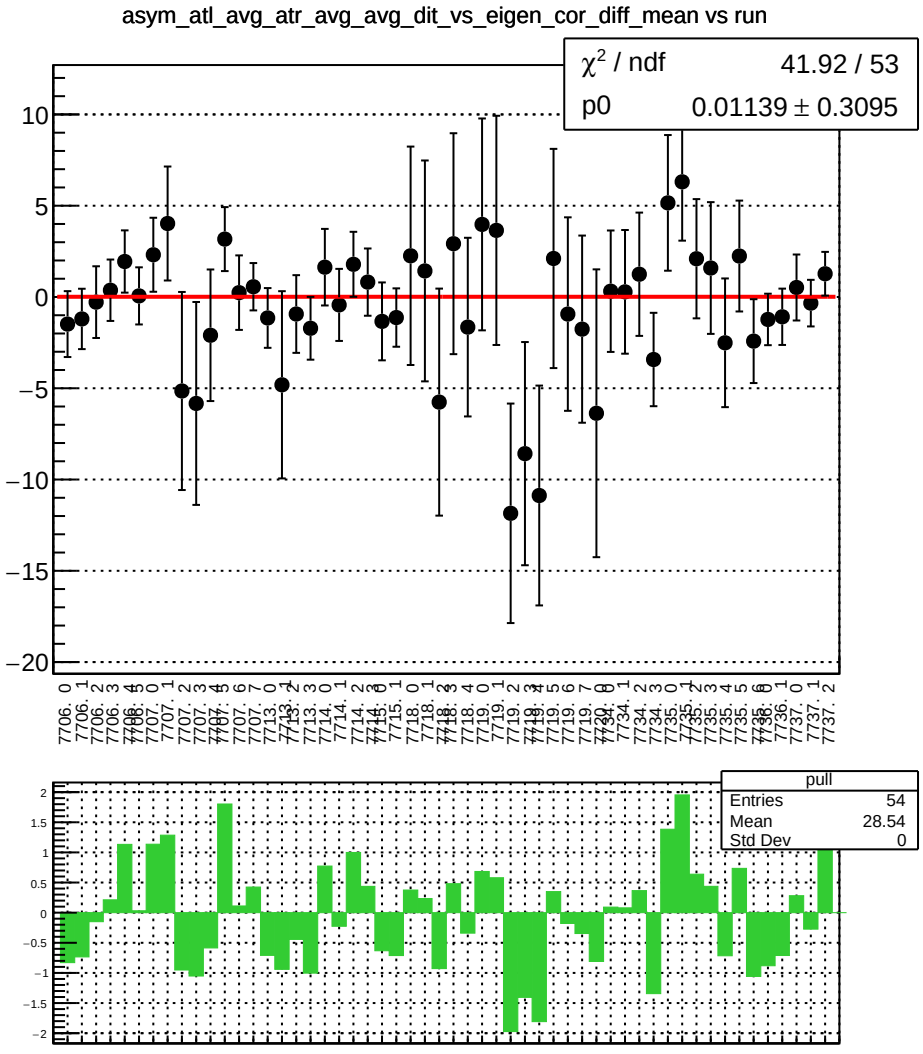

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.44e+04 / 53
p0 5409 ± 5.285
8500
8000
7500
7000
6500
6000
5500
5000
4500

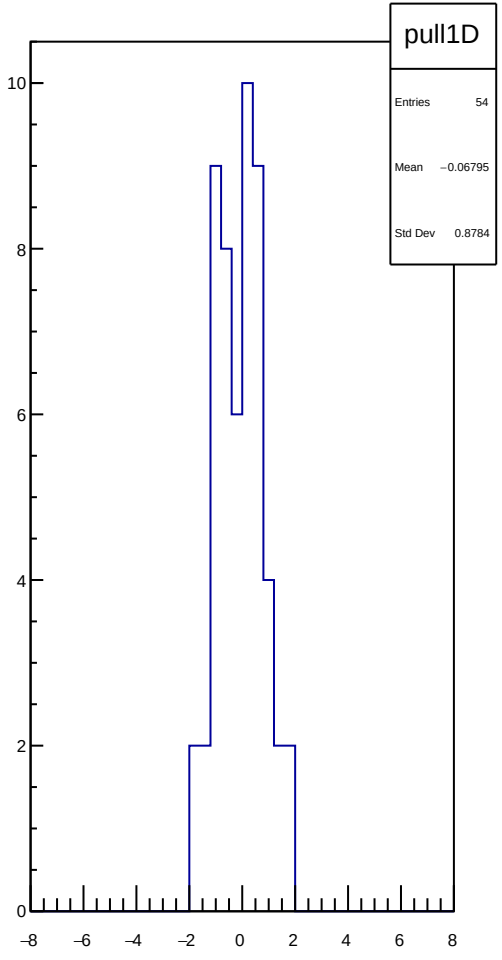

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.09 / 53
p0 2.382e−13 ± 6.725e−13
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 1.051
Std Dev 0
pull1D
Entries 54
Mean −0.1011
Std Dev 1.023

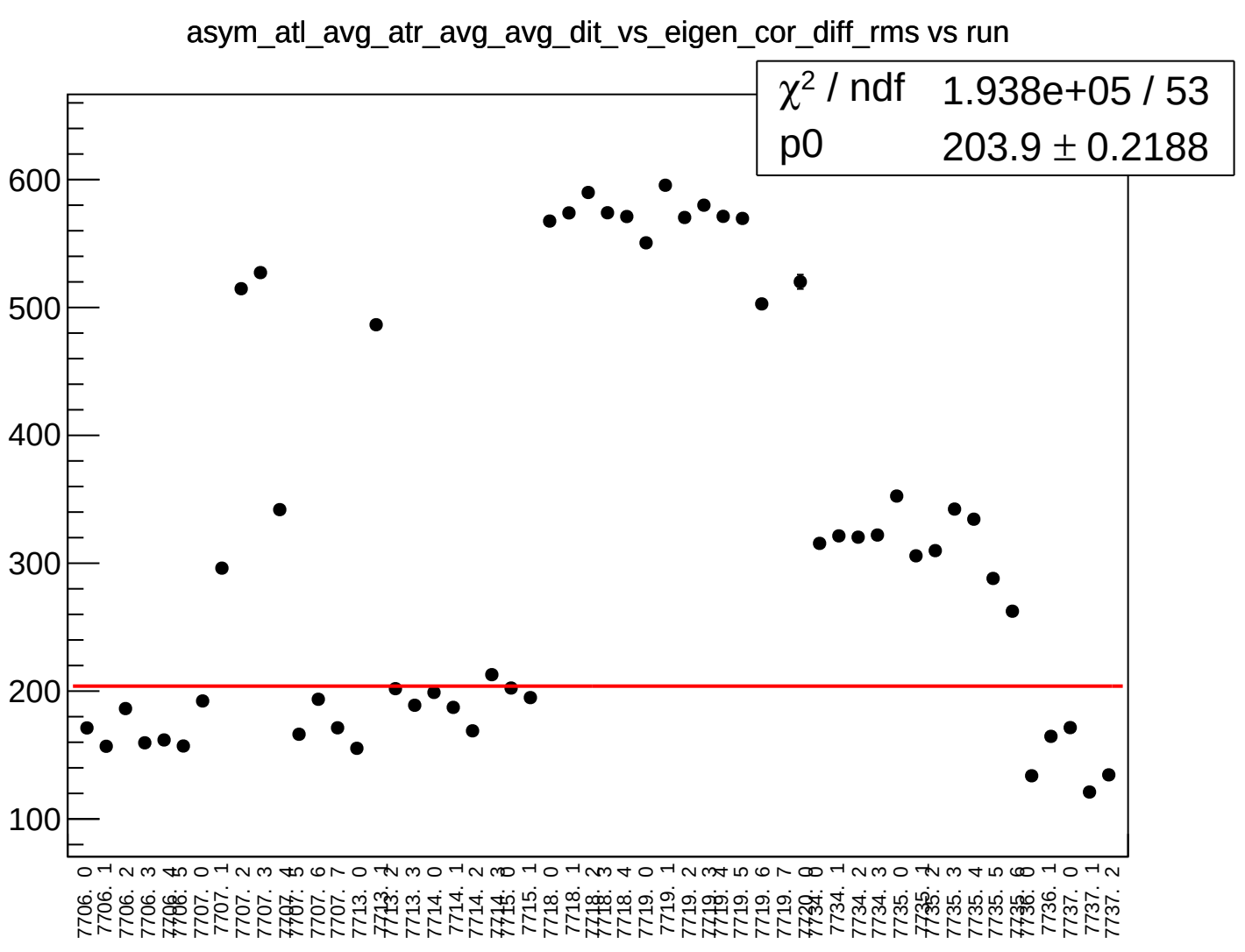

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.188e+05 / 53
p0 3.166e−10 ± 4.756e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

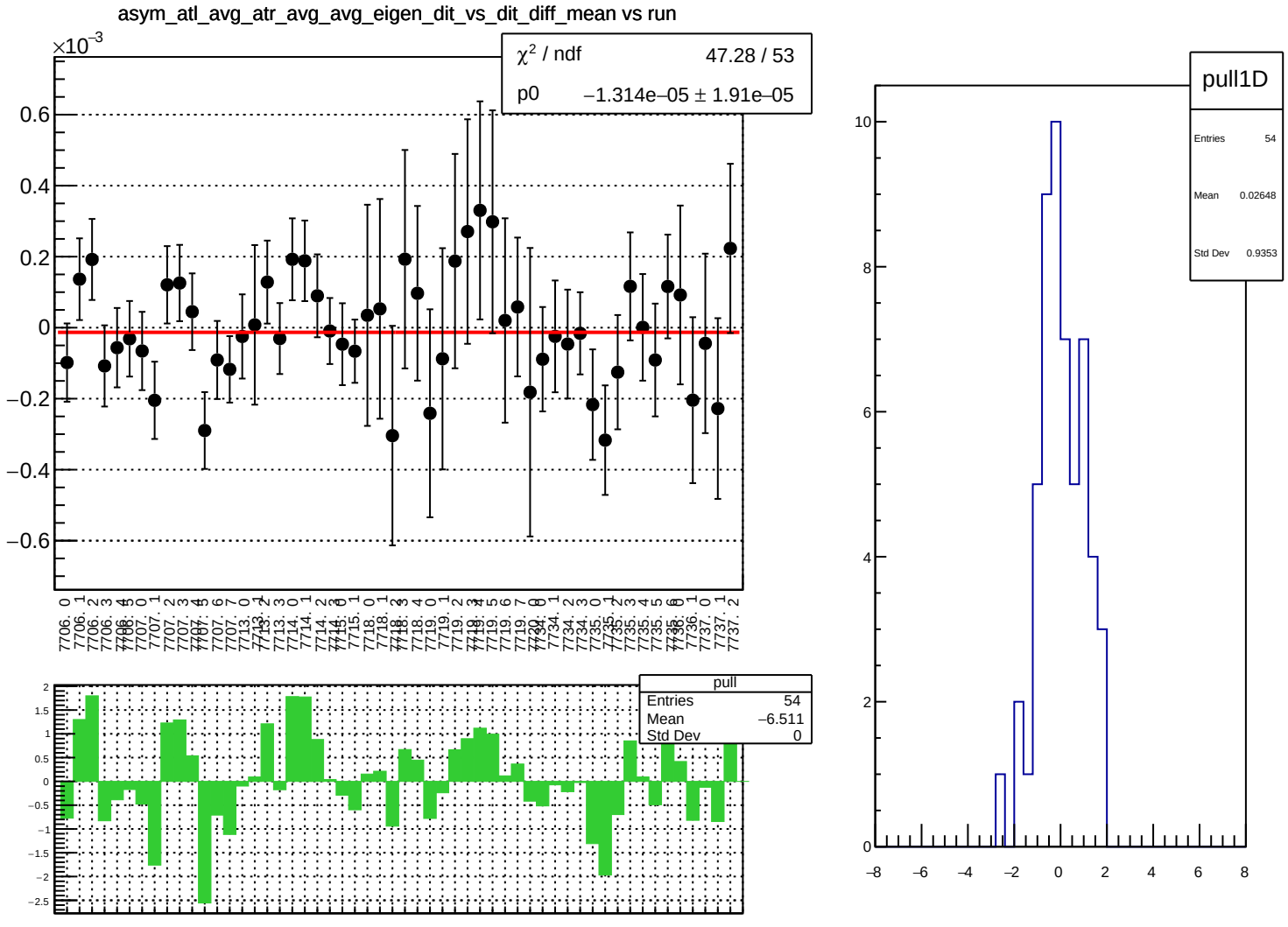

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 41.92 / 53
p0 0.01139 ± 0.3095
pull
Entries 54
Mean 28.54
Std Dev 0
pull1D
Entries 54
Mean −0.06795
Std Dev 0.8784

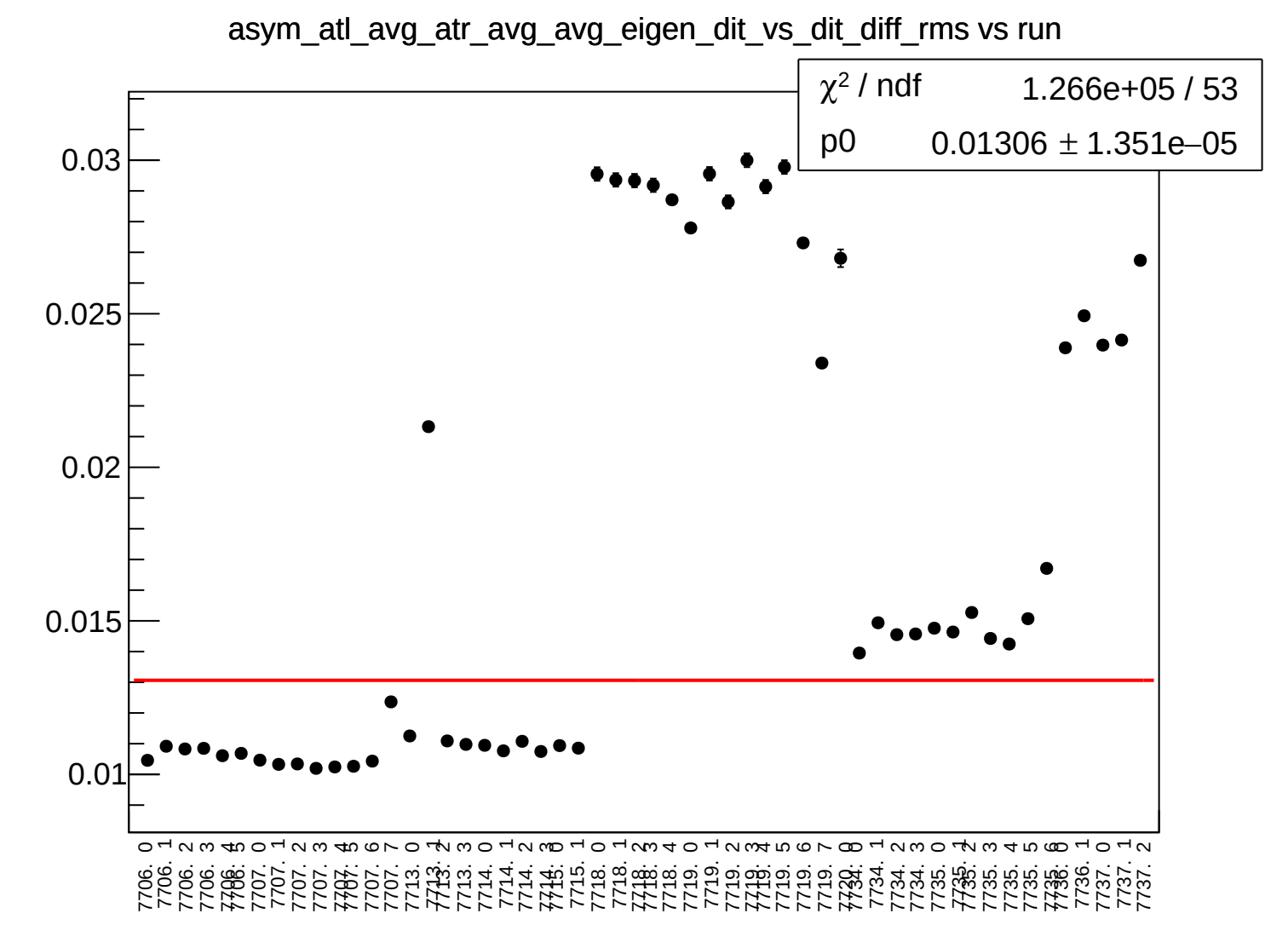

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.938e+05 / 53
p0 203.9 ± 0.2188
600
500
400
300
200
100

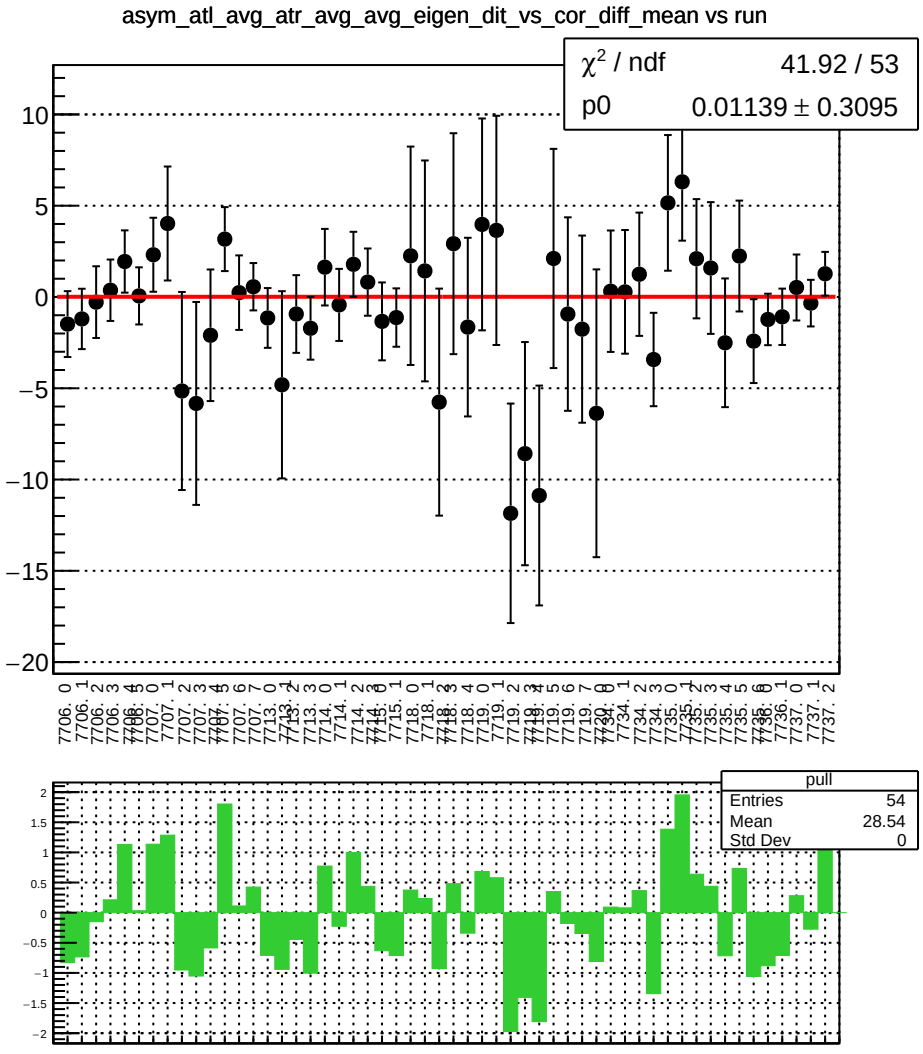

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.92 / 53
p0 0.01139 ± 0.3095
pull
Entries 54
Mean 28.54
Std Dev 0

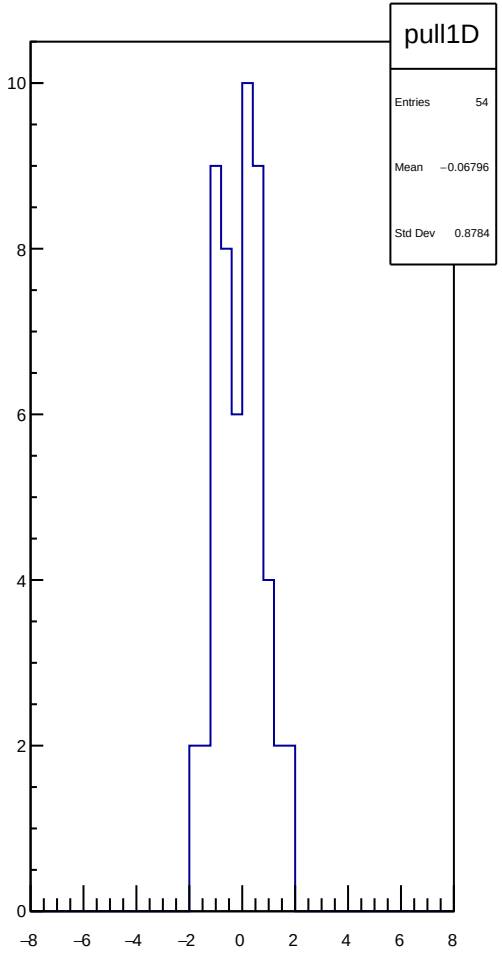

pull1D
Entries 54
Mean −0.06795
Std Dev 0.8784

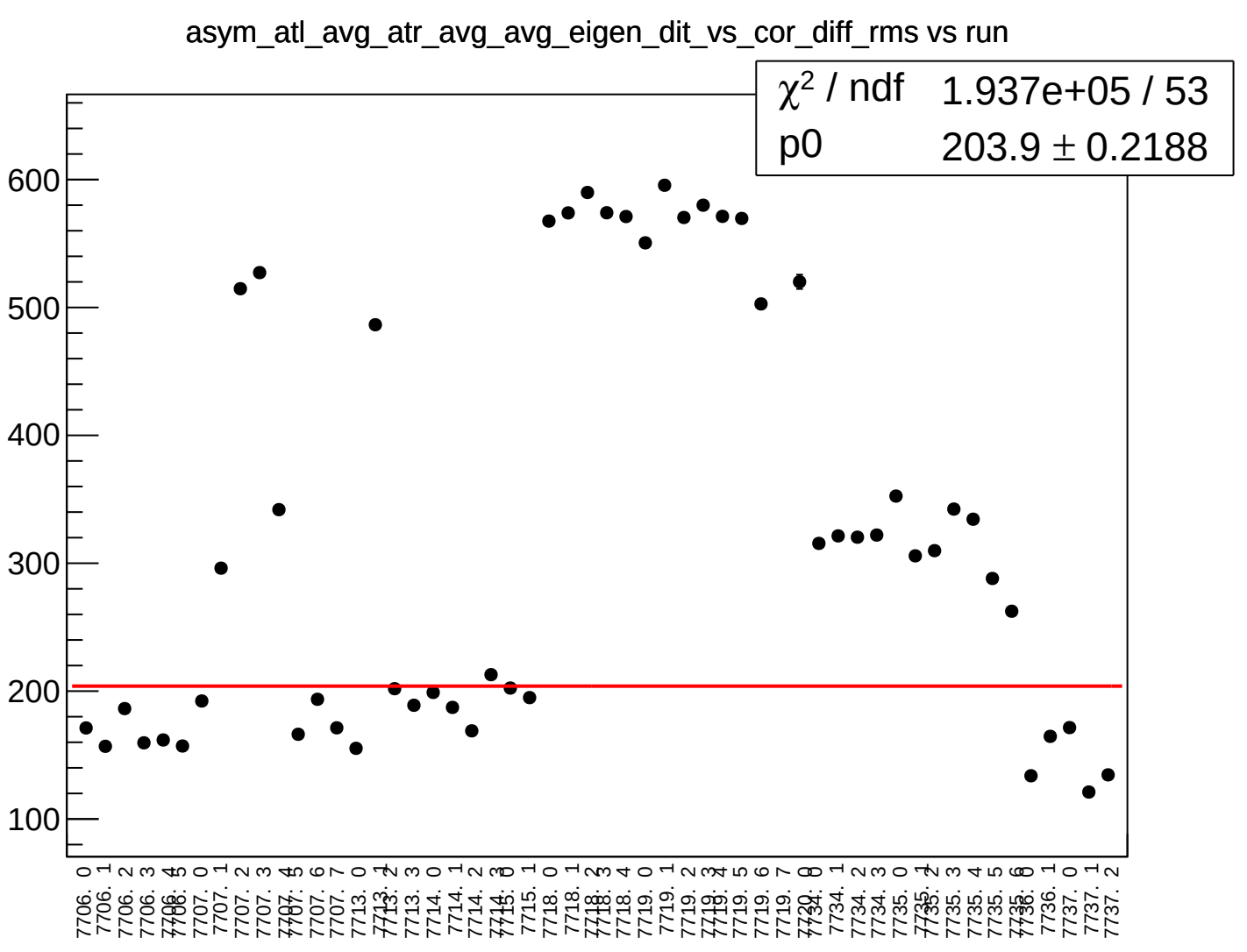

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.938e+05 / 53
p0 203.9 ± 0.2188
600
500
400
300
200
100

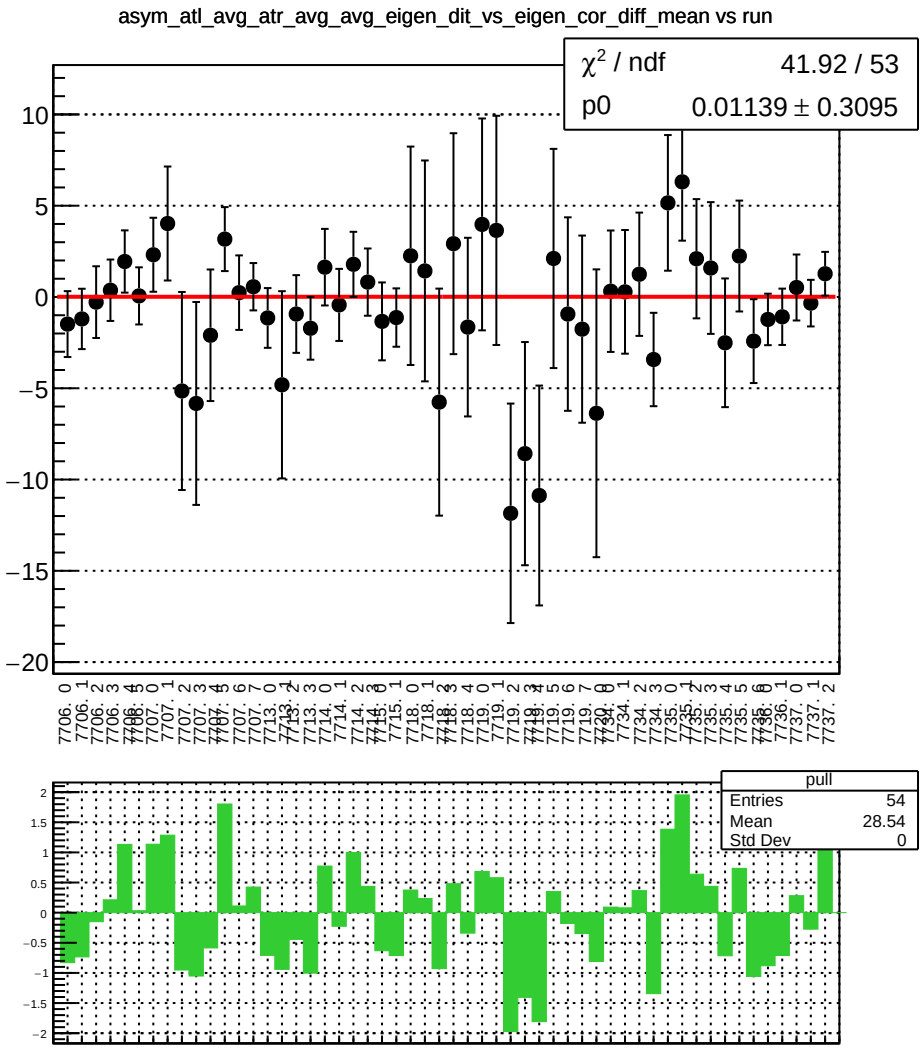

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.28 / 53
p0 −1.314e−05 ± 1.91e−05
pull
Entries 54
Mean −6.511
Std Dev 0
pull1D
Entries 54
Mean 0.02648
Std Dev 0.9353

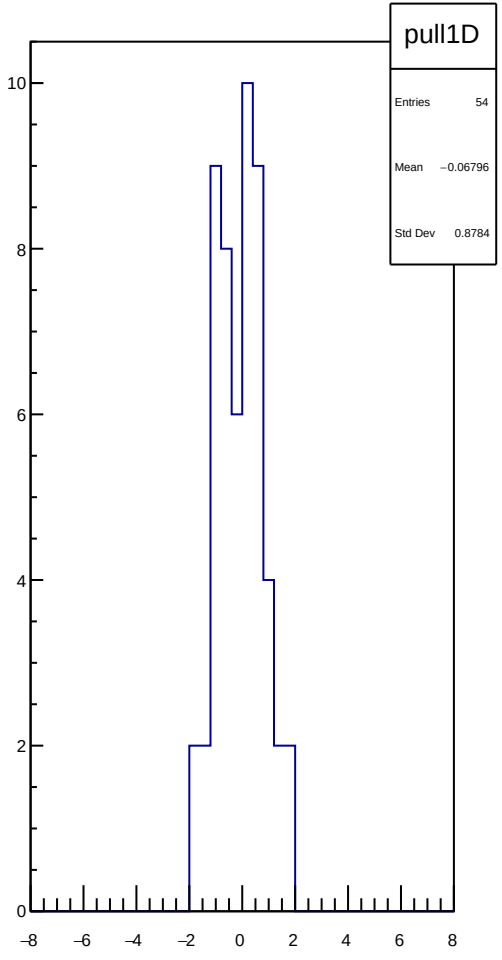

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.266e+05 / 53
p0 0.01306 ± 1.351e−05
0.03
0.025
0.02
0.015
0.01

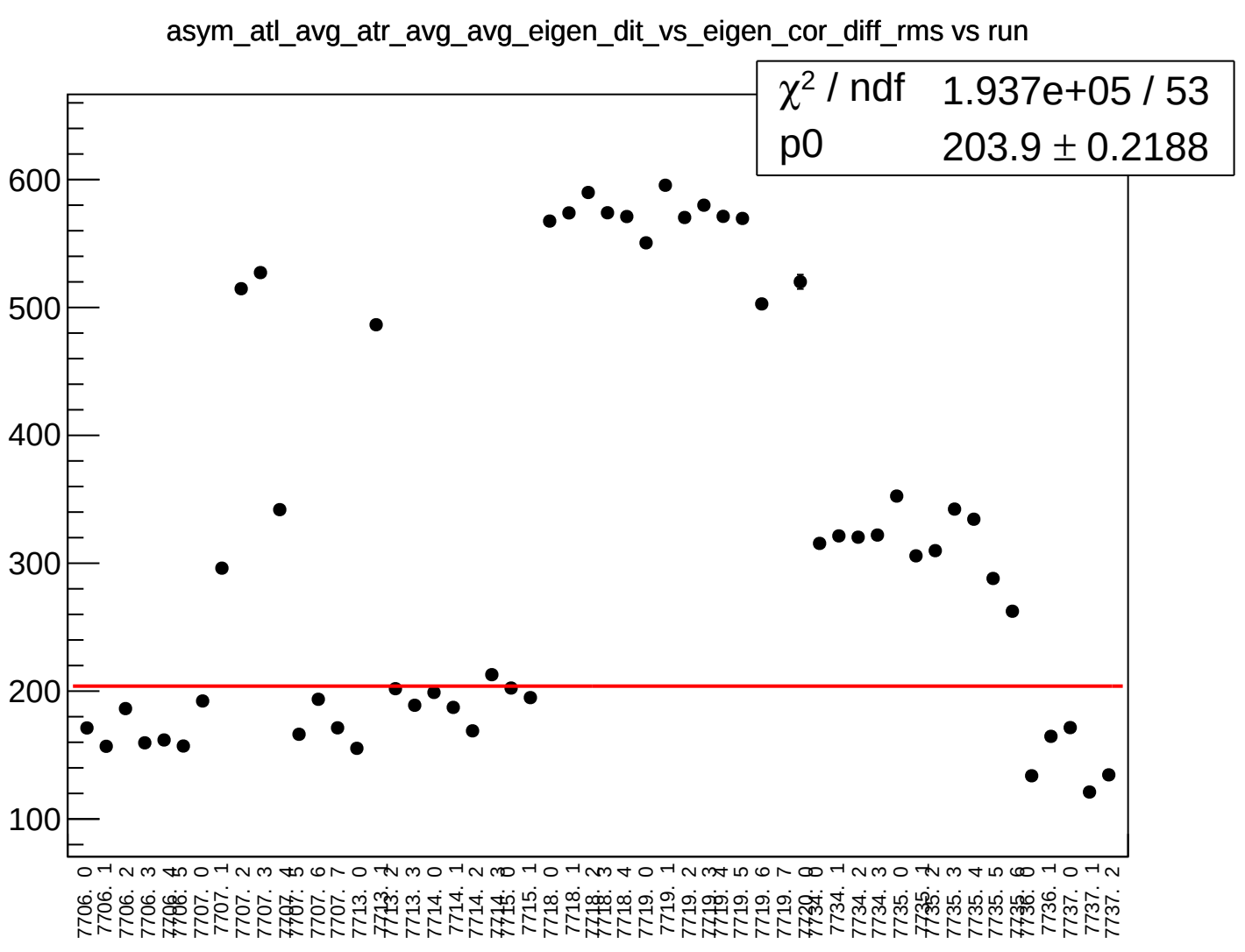

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.92 / 53
p0 0.01139 ± 0.3095
pull
Entries 54
Mean 28.54
Std Dev 0

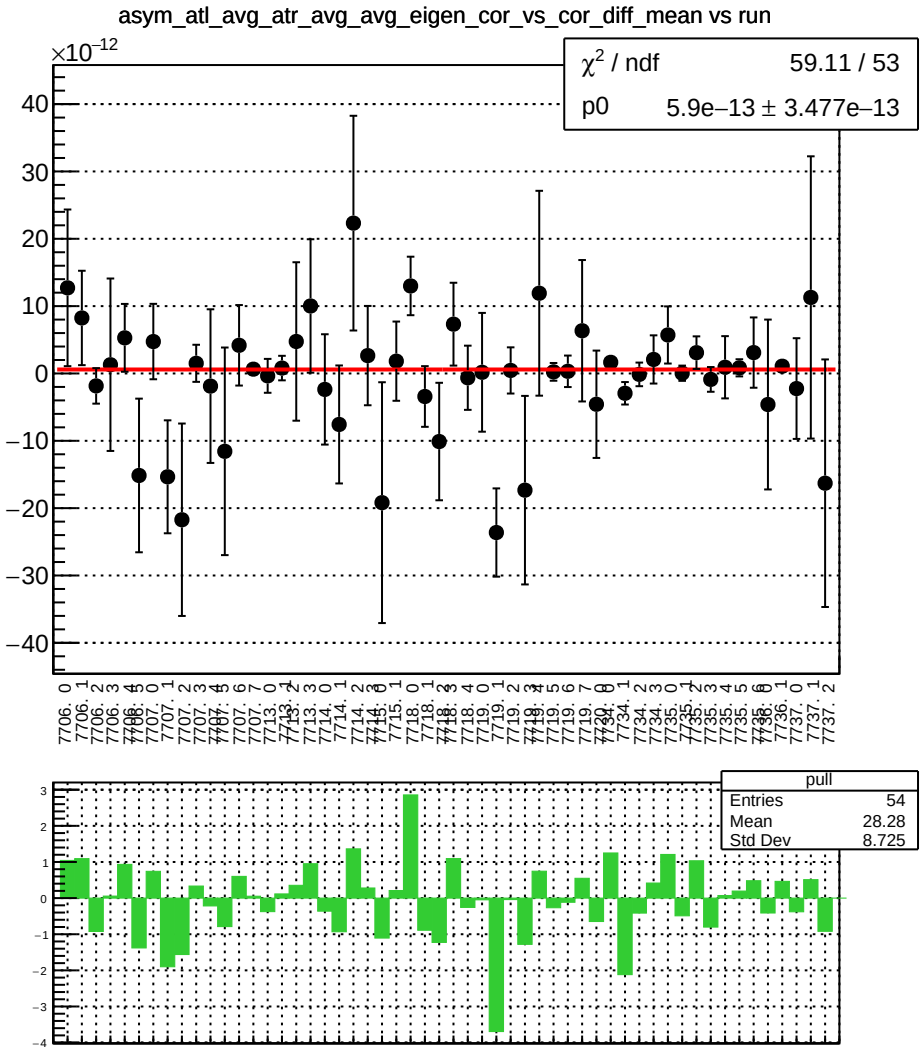

pull1D
Entries 54
Mean −0.06796
Std Dev 0.8784

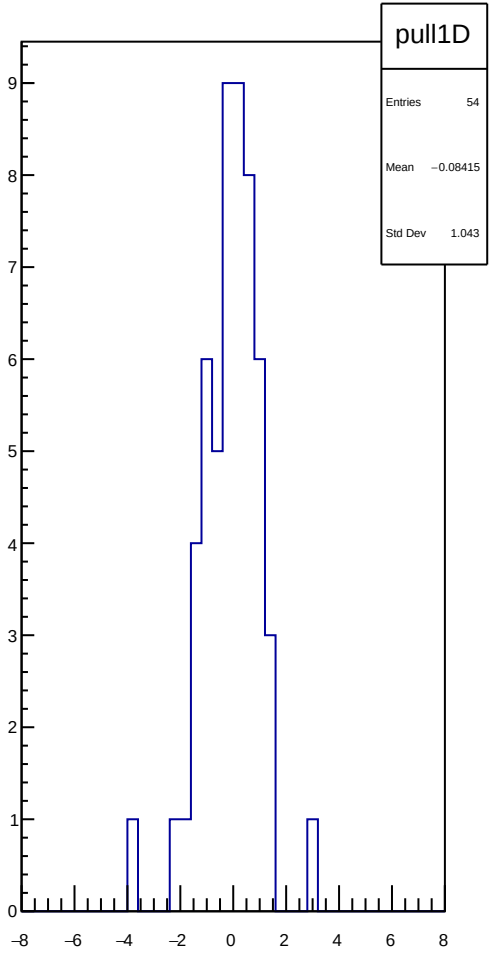

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 53
p0 203.9 ± 0.2188
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

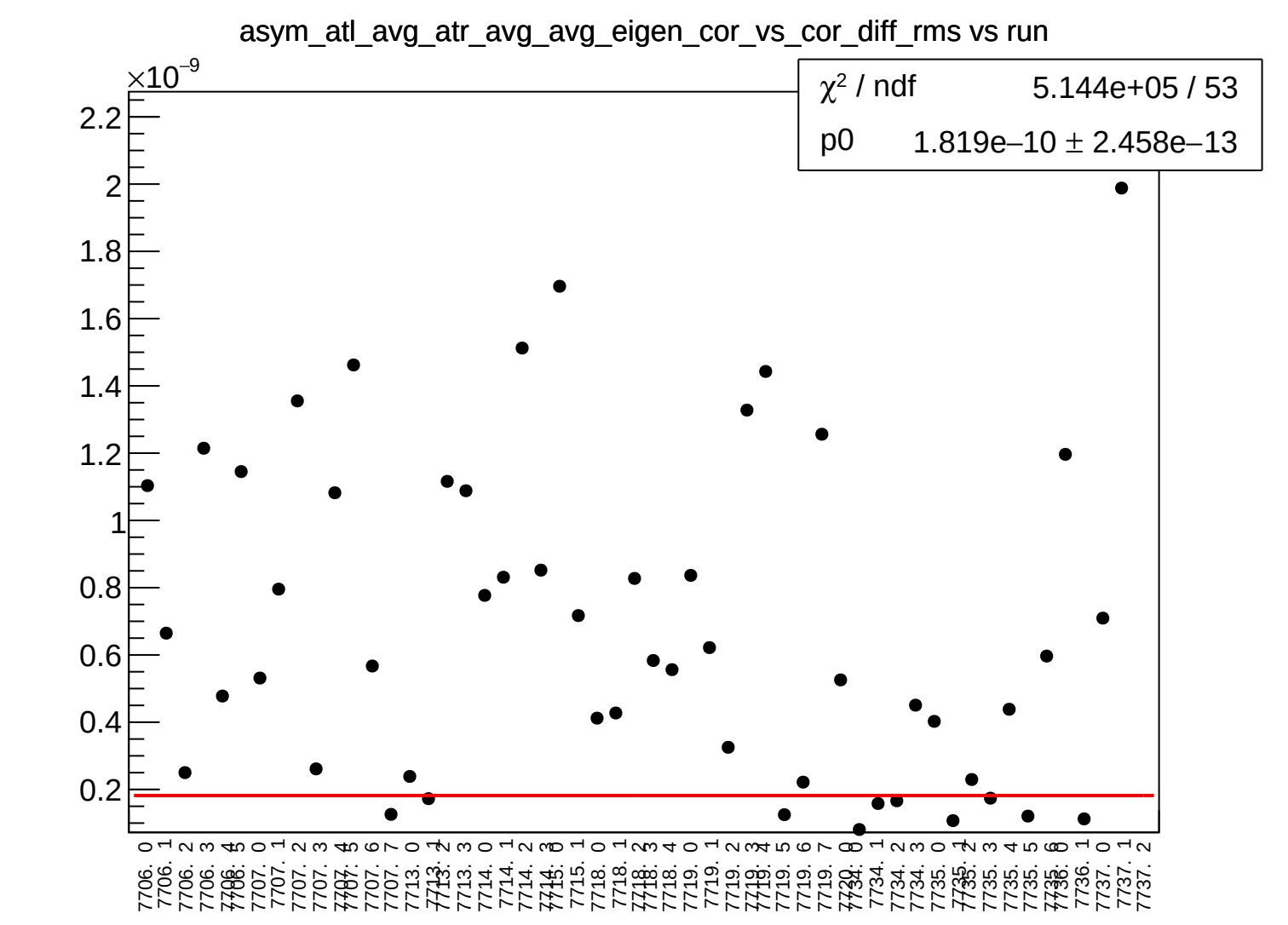

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.92 / 53
p0 0.01139 ± 0.3095
pull
Entries 54
Mean 28.54
Std Dev 0

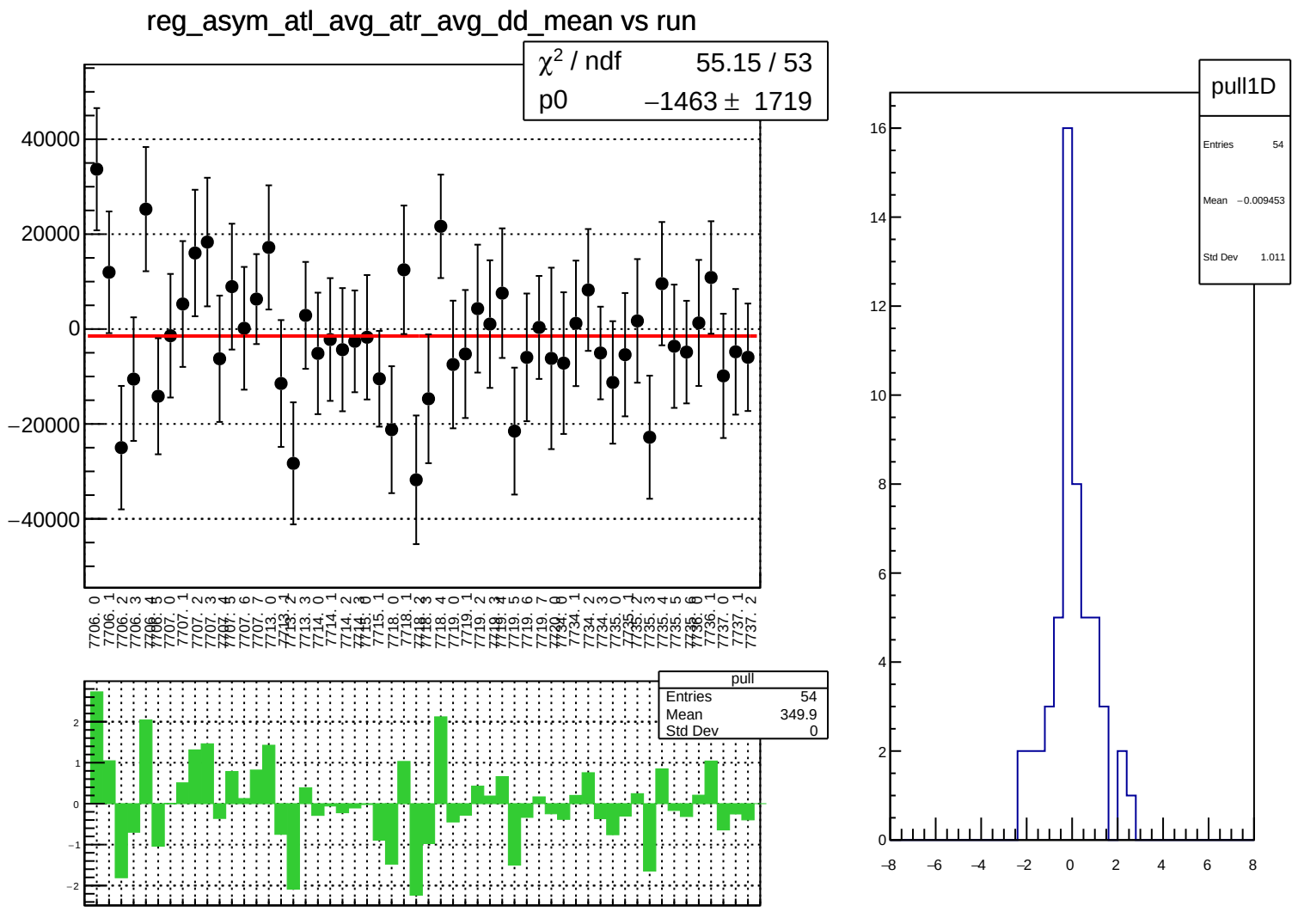

pull1D
Entries 54
Mean −0.06796
Std Dev 0.8784

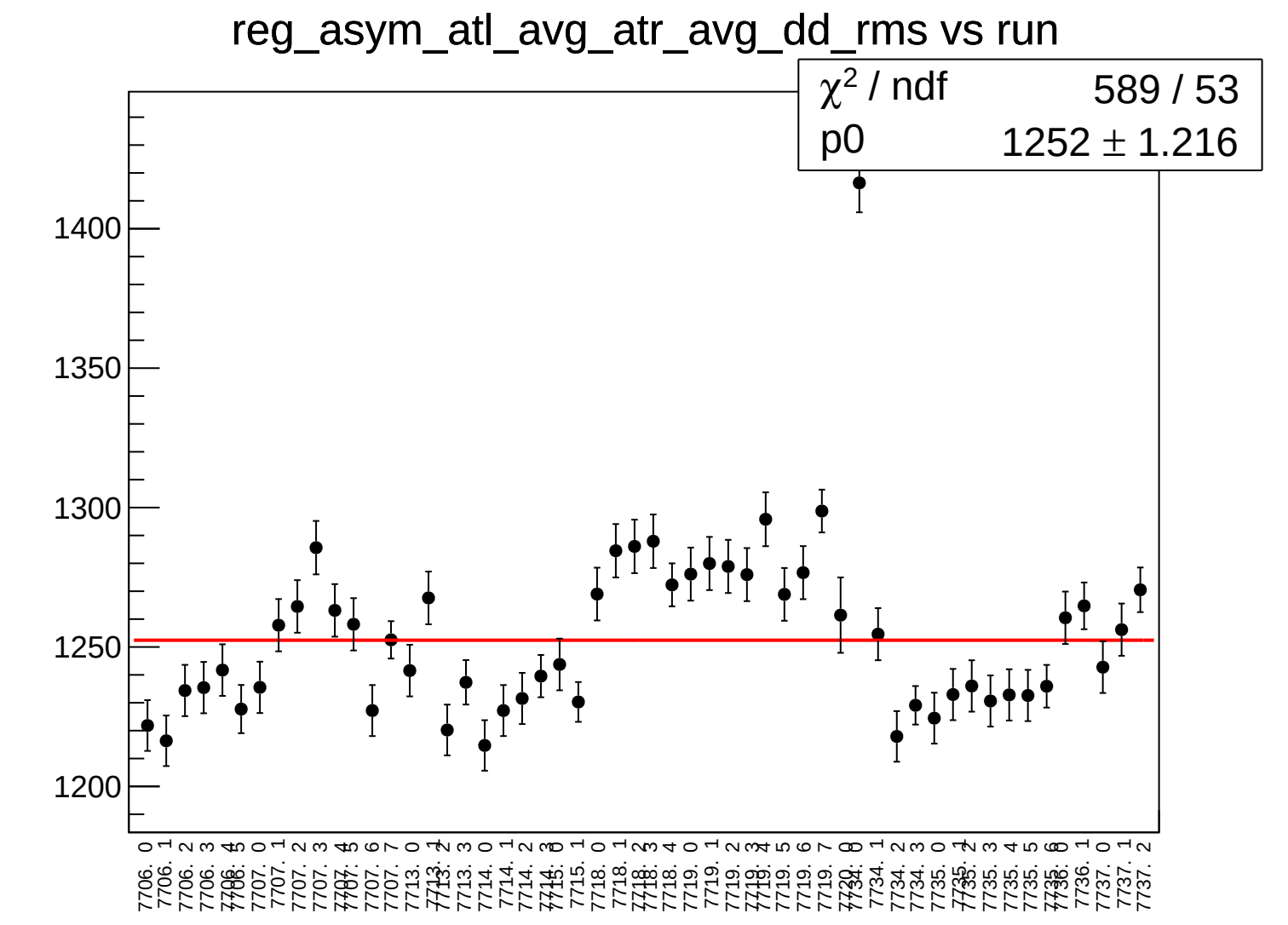

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 53
p0 203.9 ± 0.2188
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

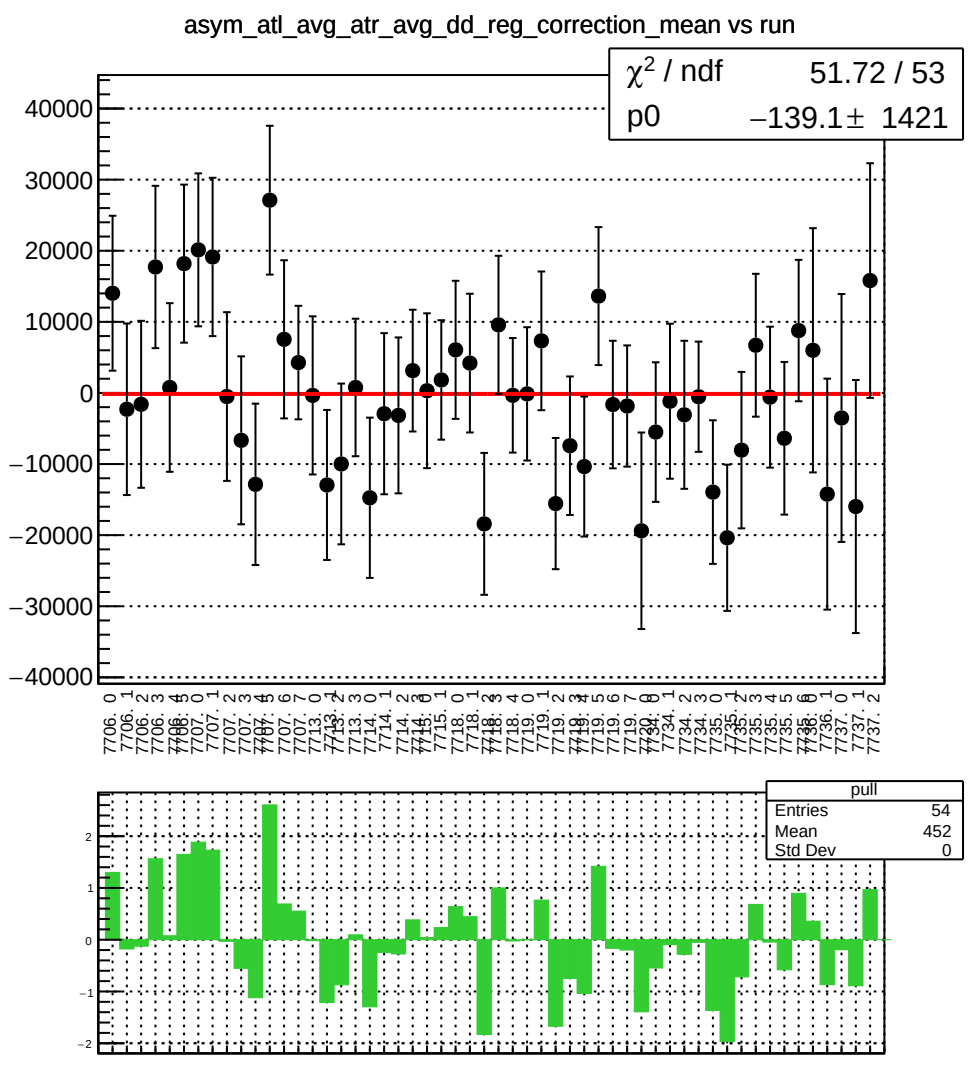

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.11 / 53
p0 5.9e−13 ± 3.477e−13
pull
Entries 54
Mean 28.28
Std Dev 8.725

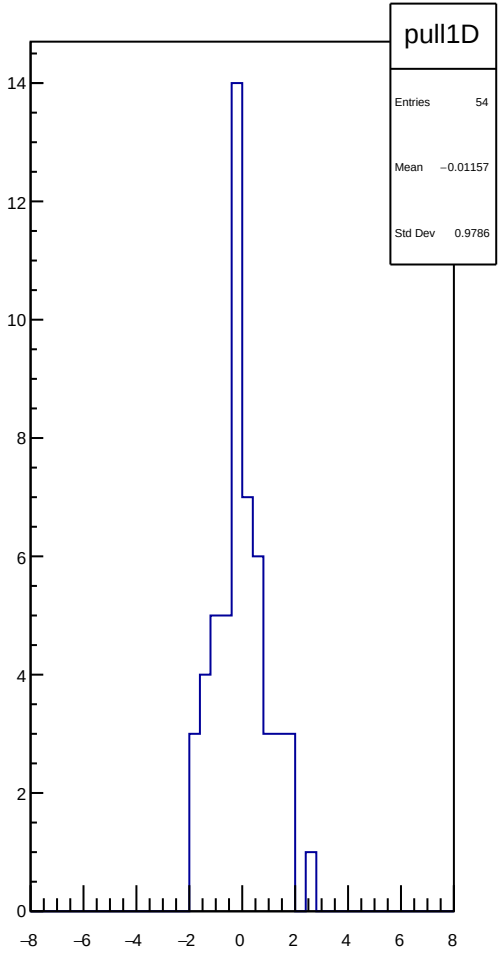

pull1D
Entries 54
Mean −0.08415
Std Dev 1.043

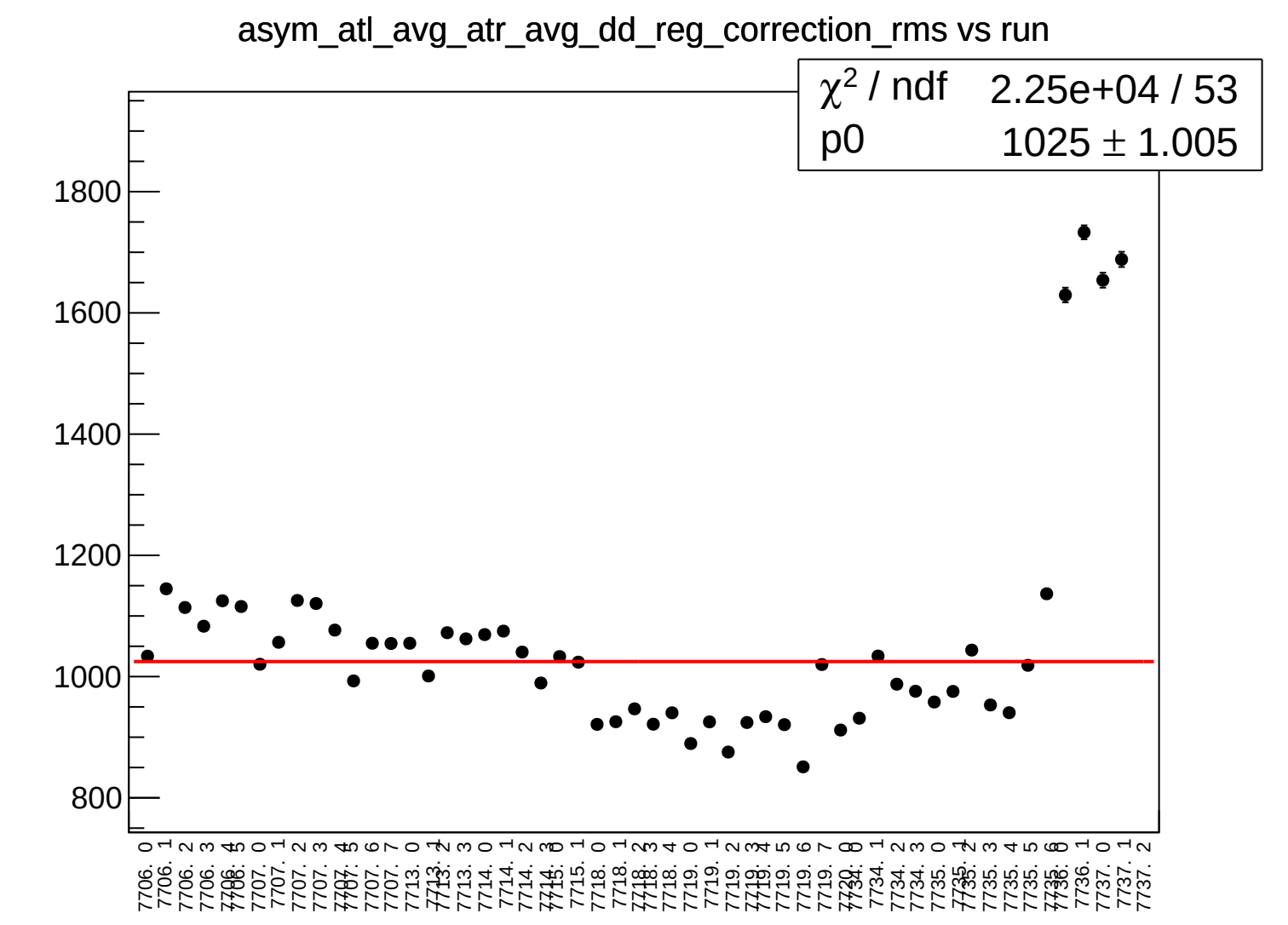

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.144e+05 / 53
p0 1.819e−10 ± 2.458e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

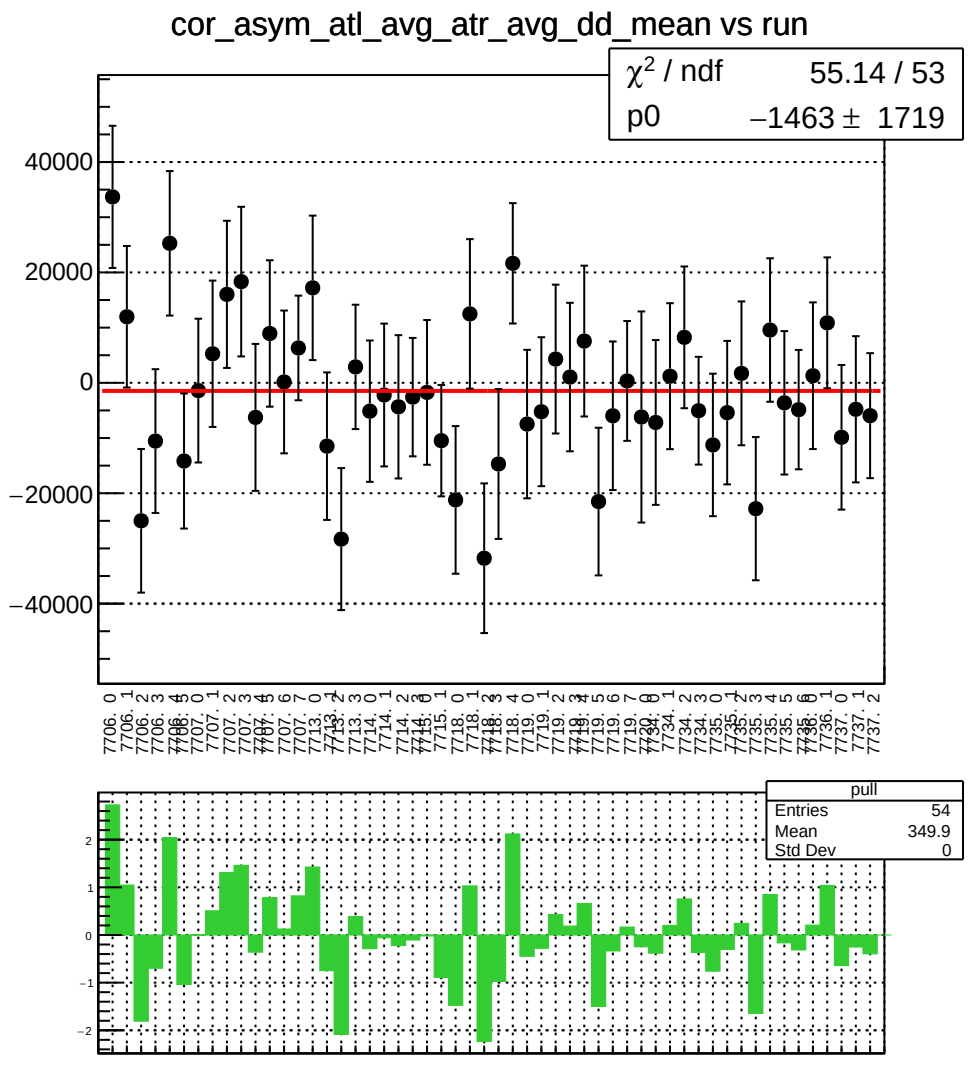

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.15 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
pull1D
Entries 54
Mean −0.009453
Std Dev 1.011

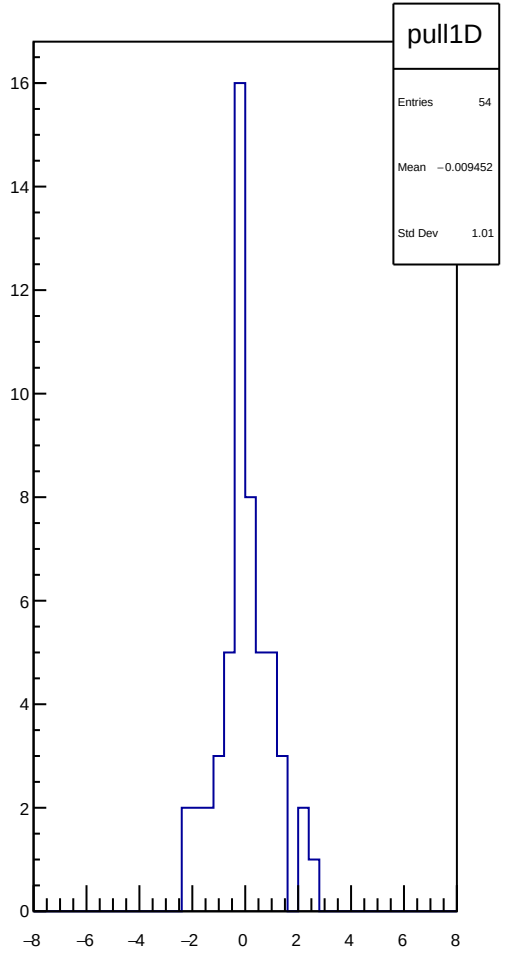

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

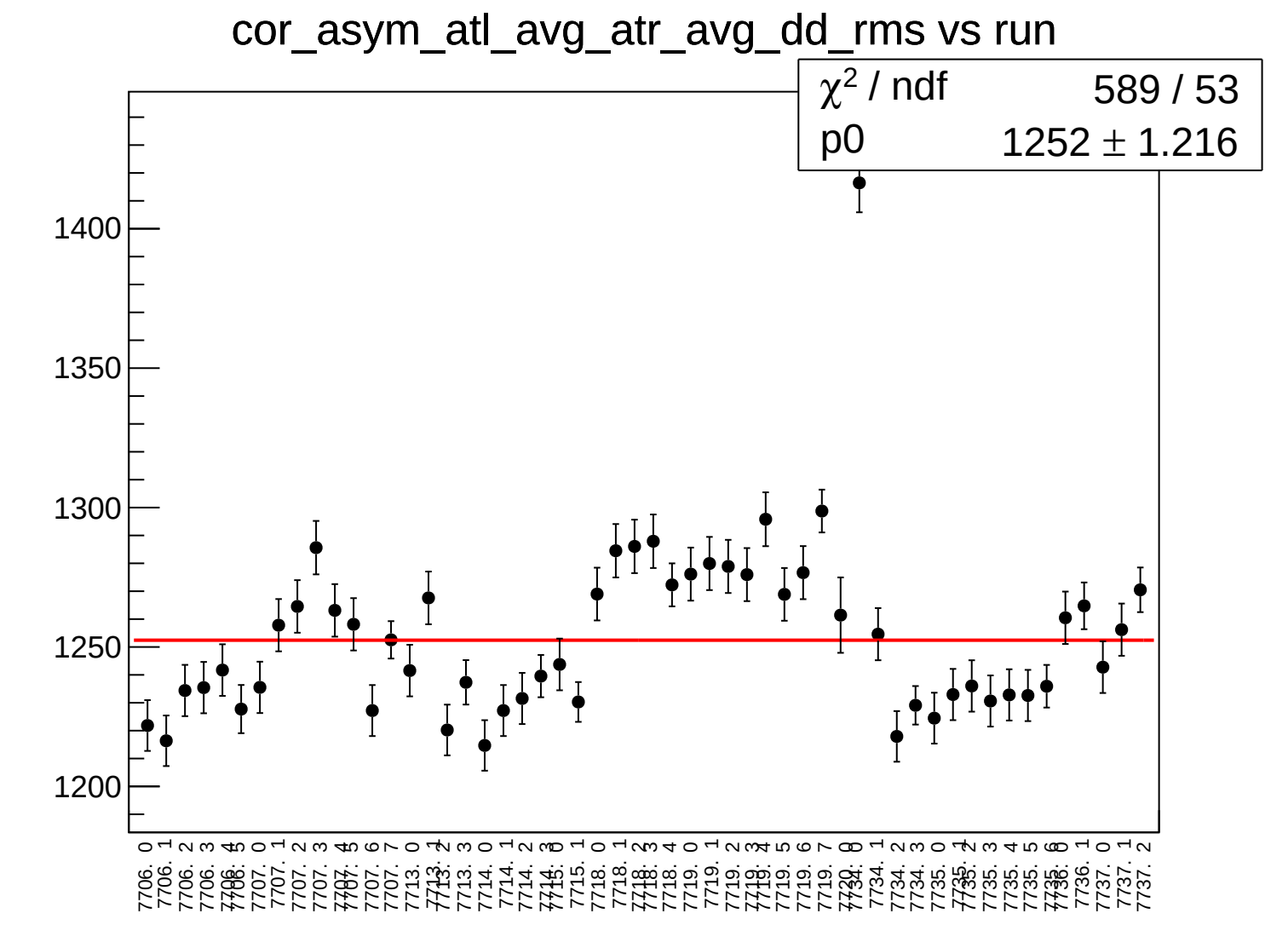

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 51.72 / 53
p0 −139.1± 1421
pull
Entries 54
Mean 452
Std Dev 0

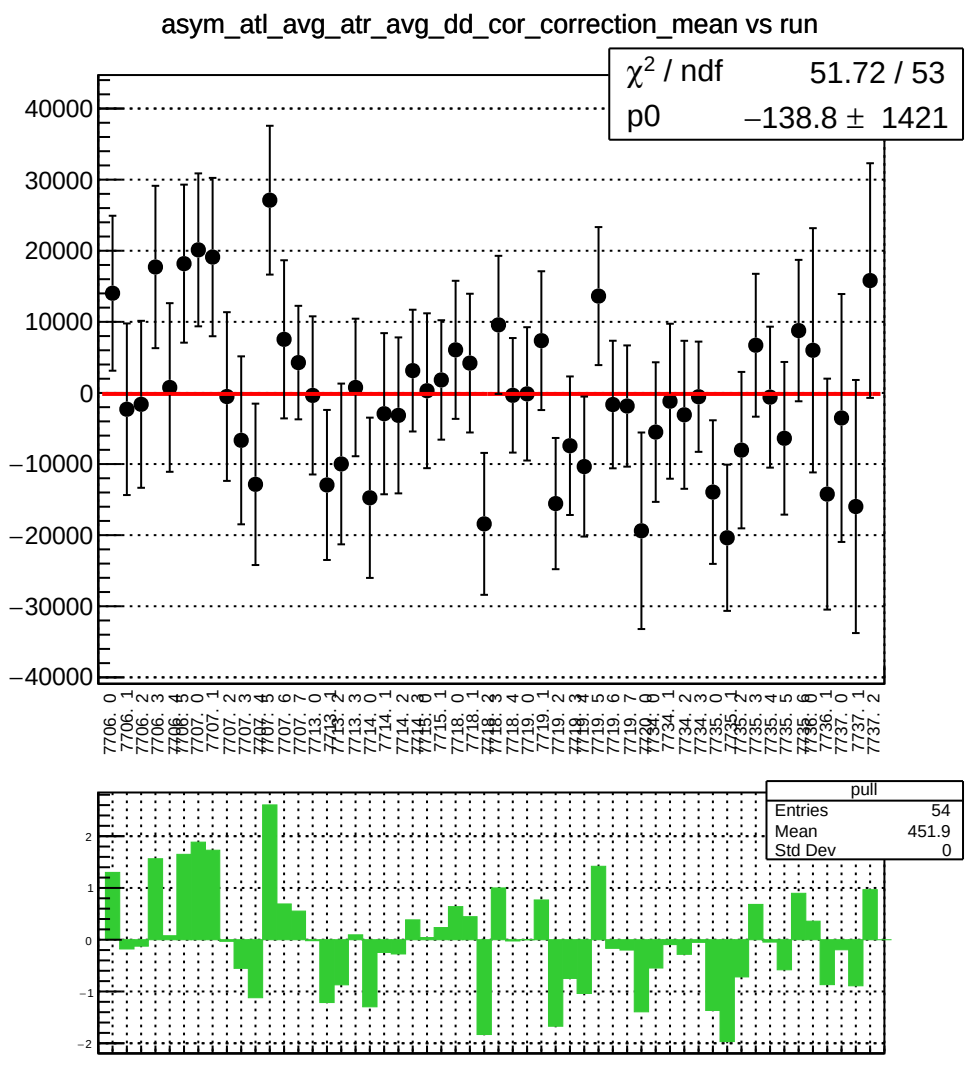

pull1D
Entries 54
Mean −0.01157
Std Dev 0.9786

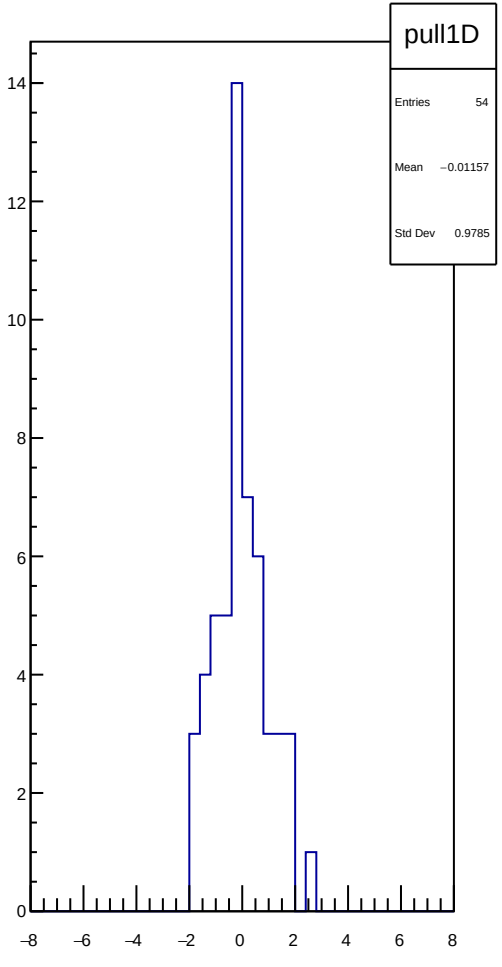

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

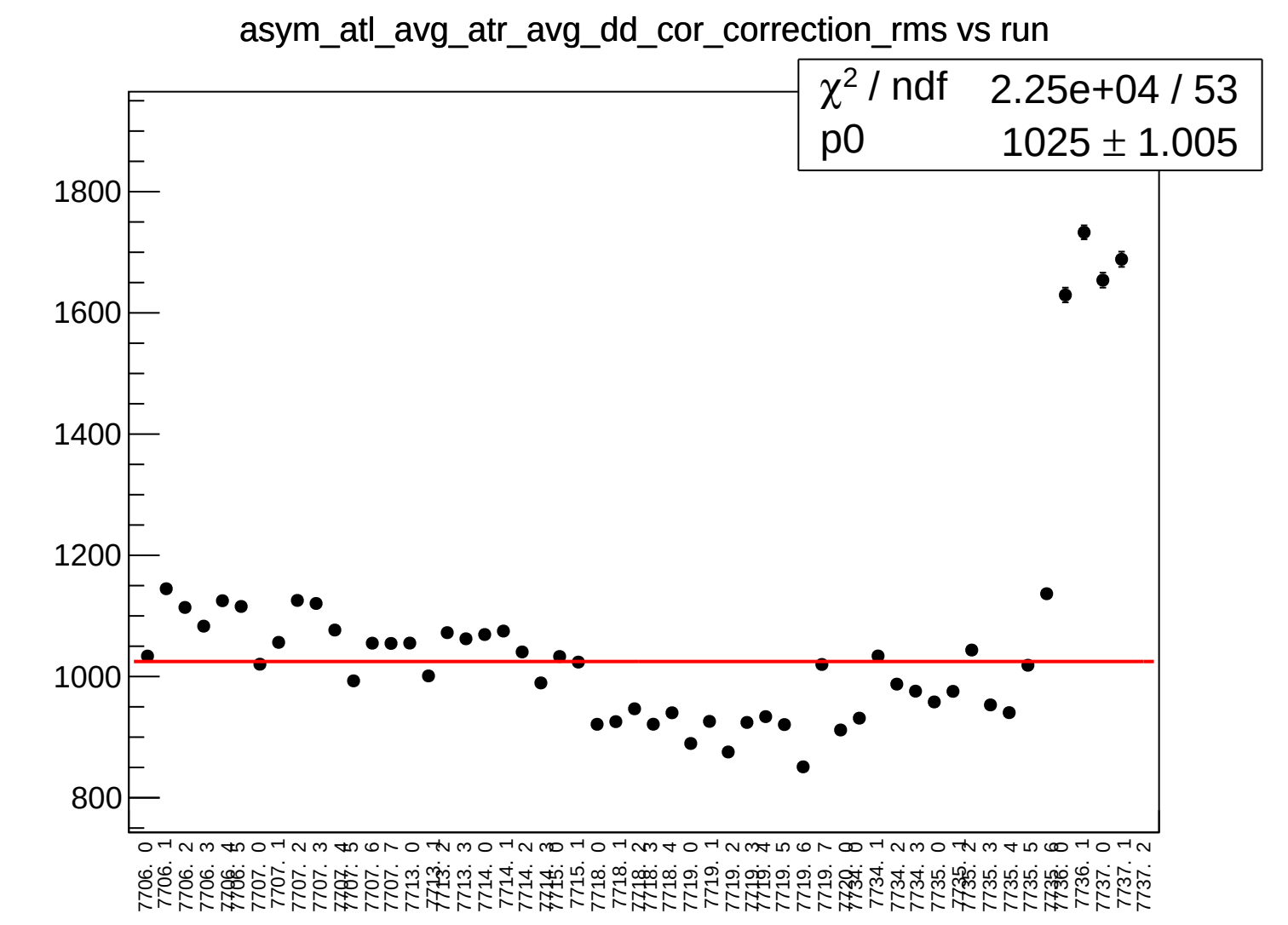

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.14 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
2
1
0
−1
−2

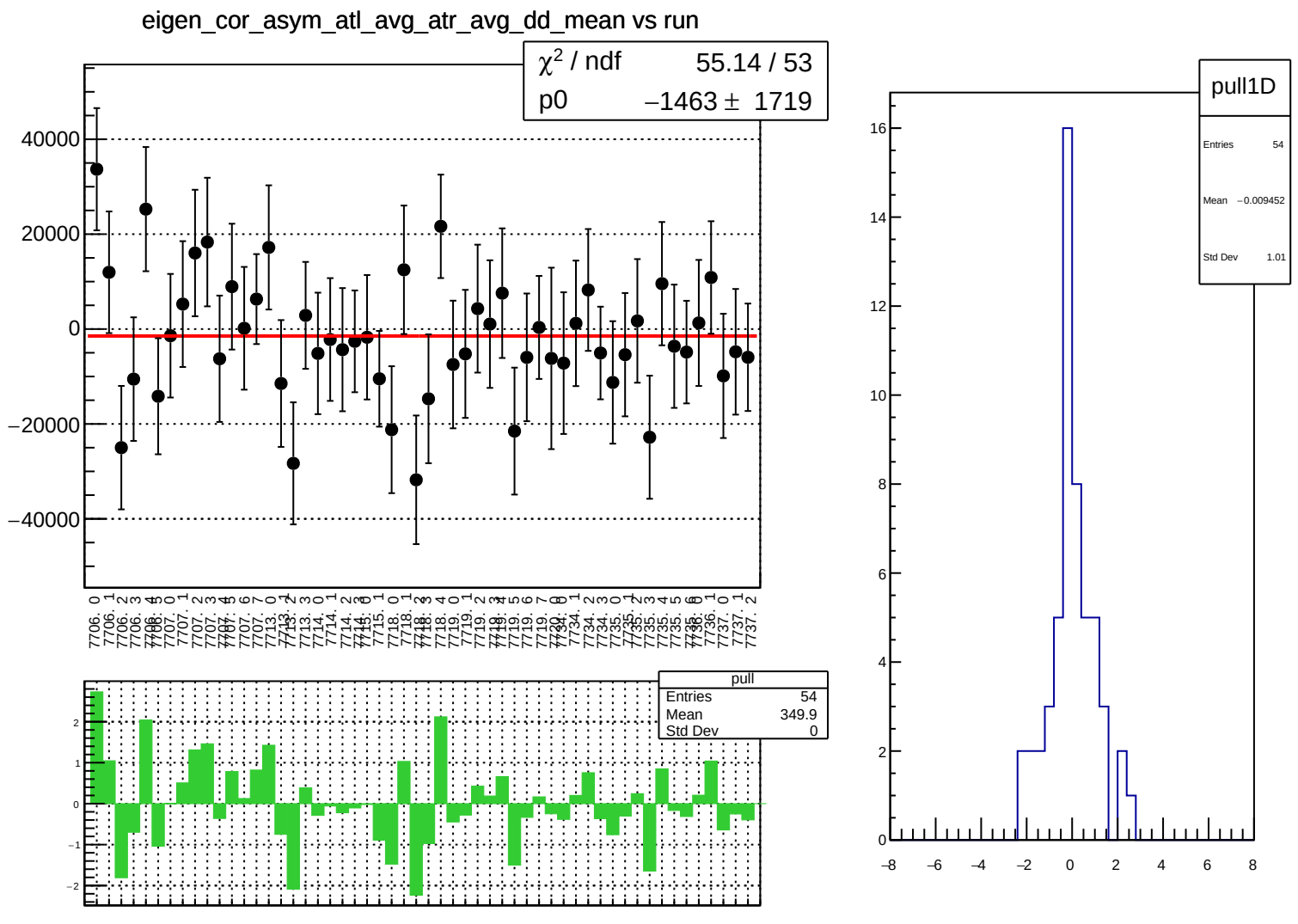

pull1D
Entries 54
Mean −0.009452
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

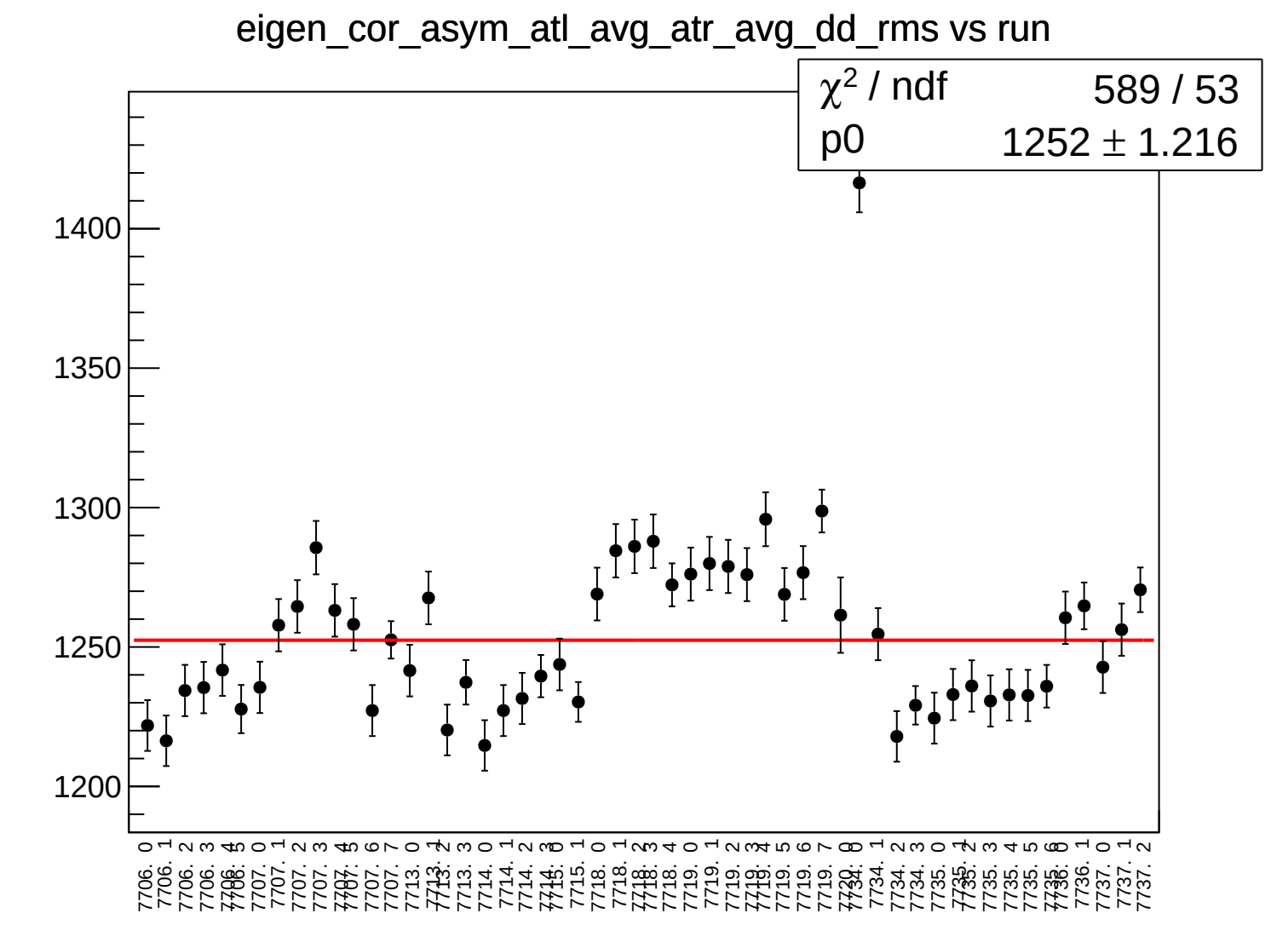

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

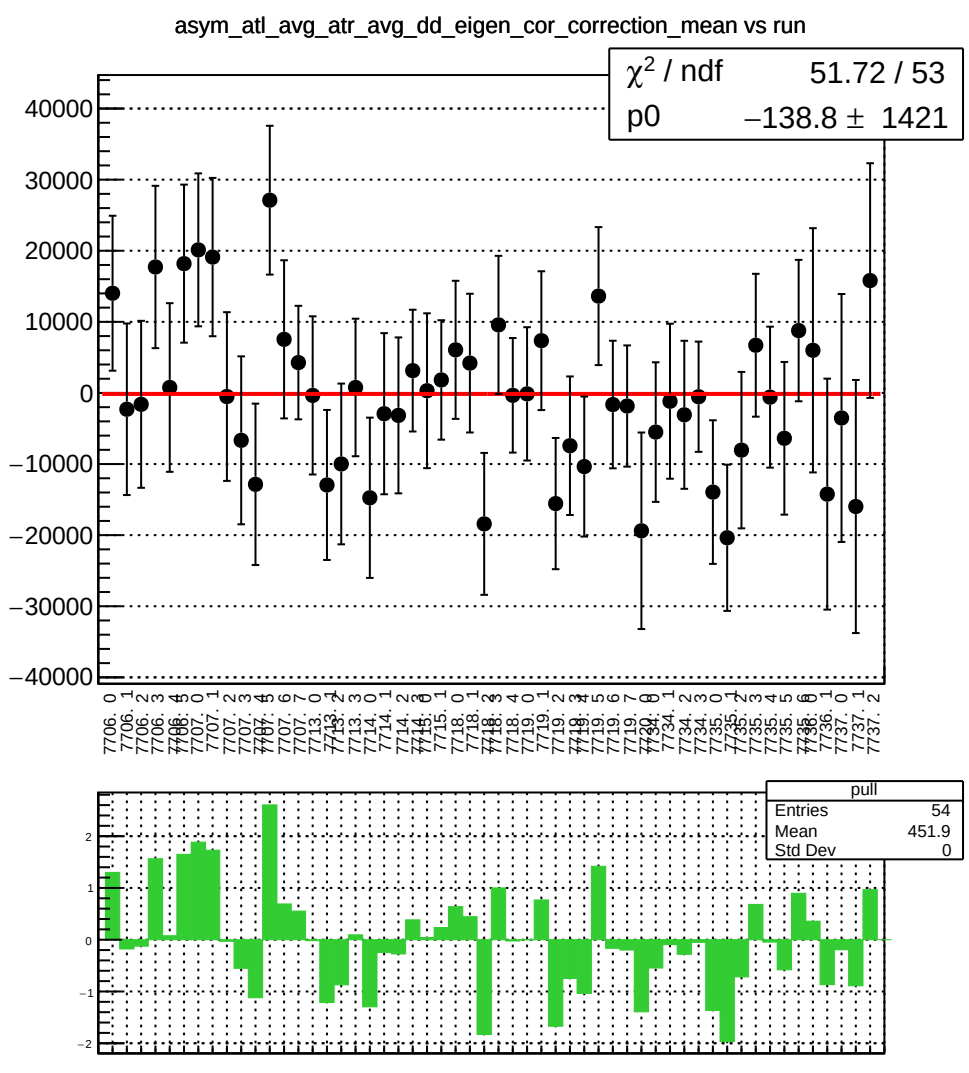

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 51.72 / 53
p0 −138.8 ± 1421
pull
Entries 54
Mean 451.9
Std Dev 0

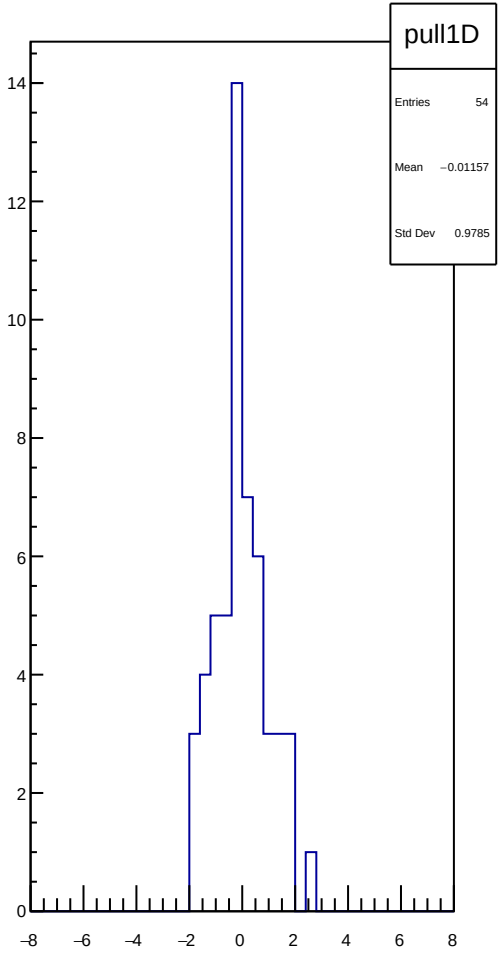

pull1D
Entries 54
Mean −0.01157
Std Dev 0.9785

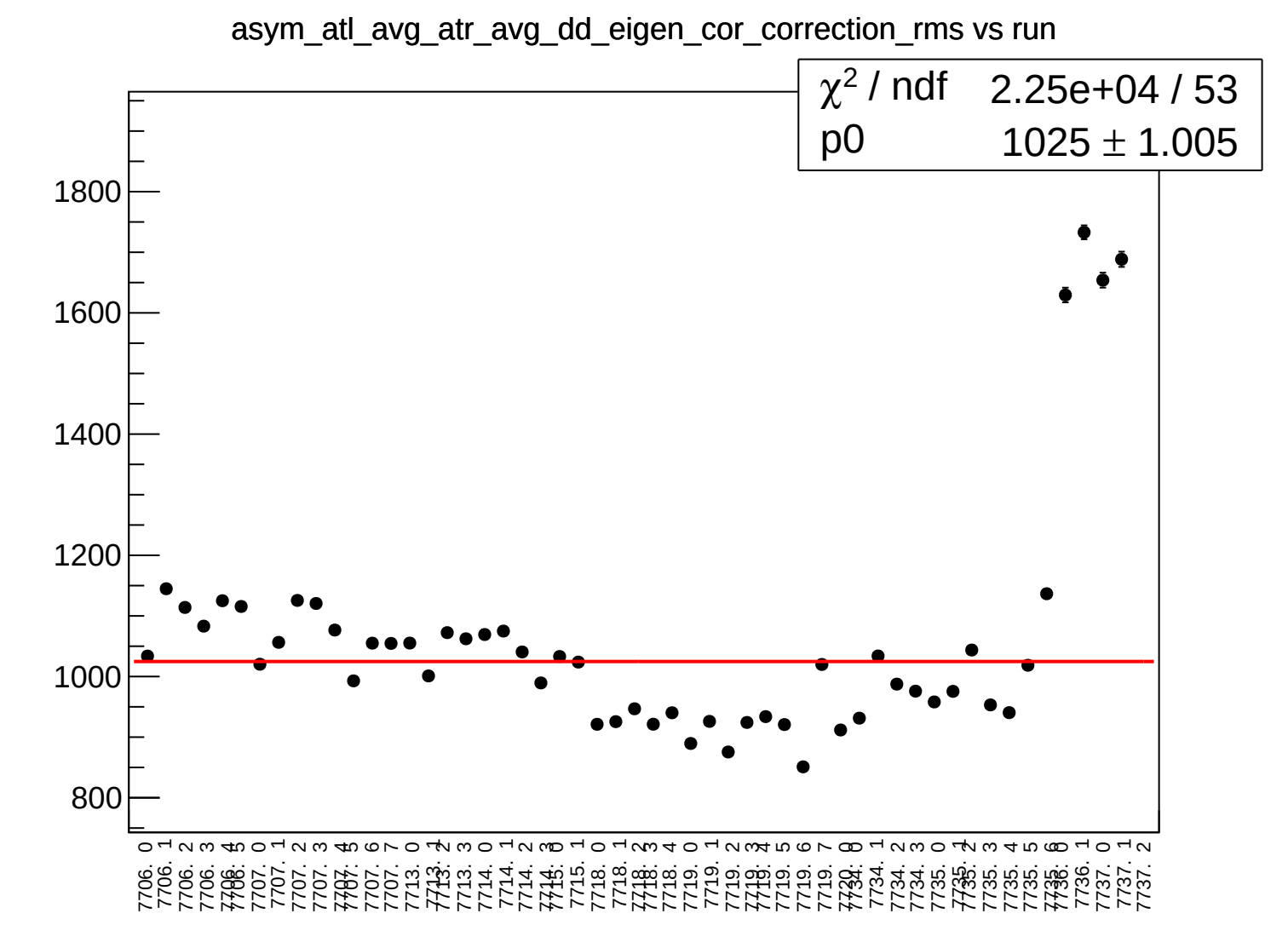

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

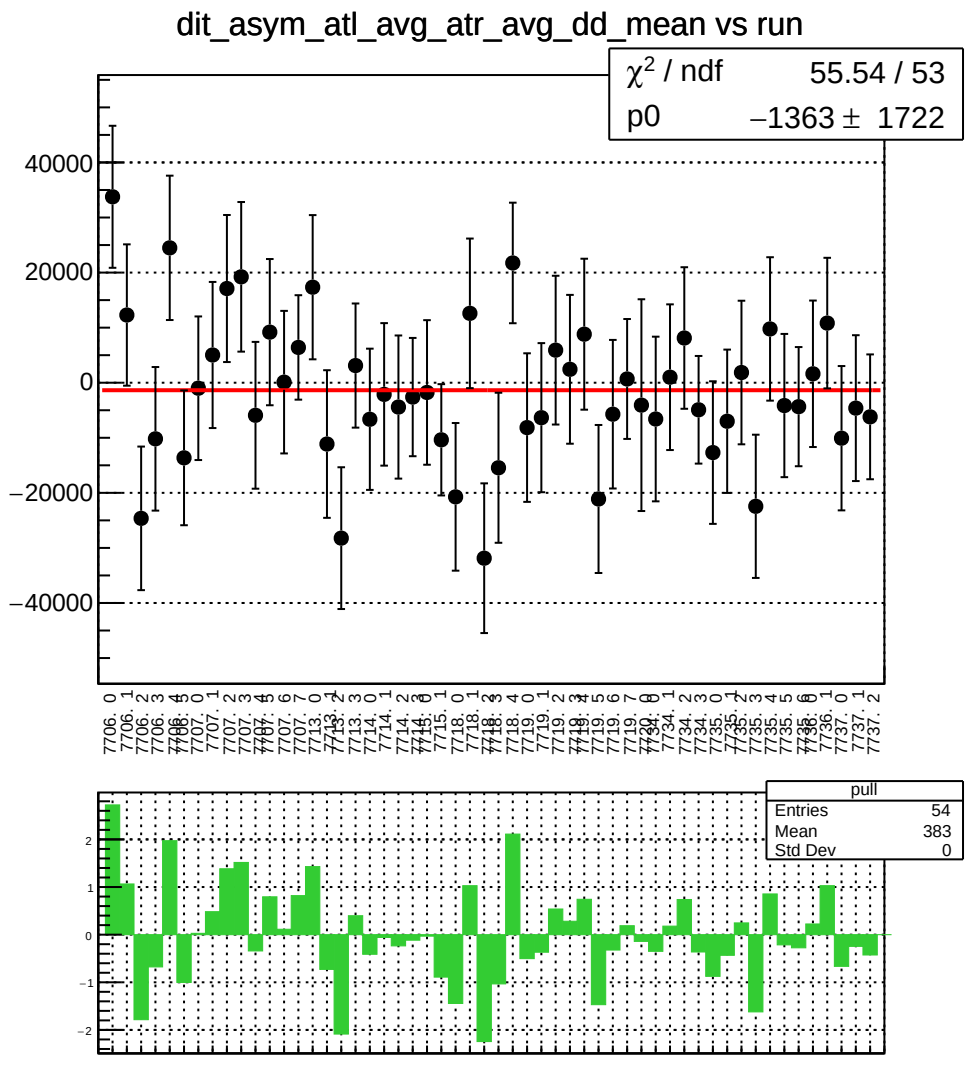

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.14 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
pull1D
Entries 54
Mean −0.009452
Std Dev 1.01

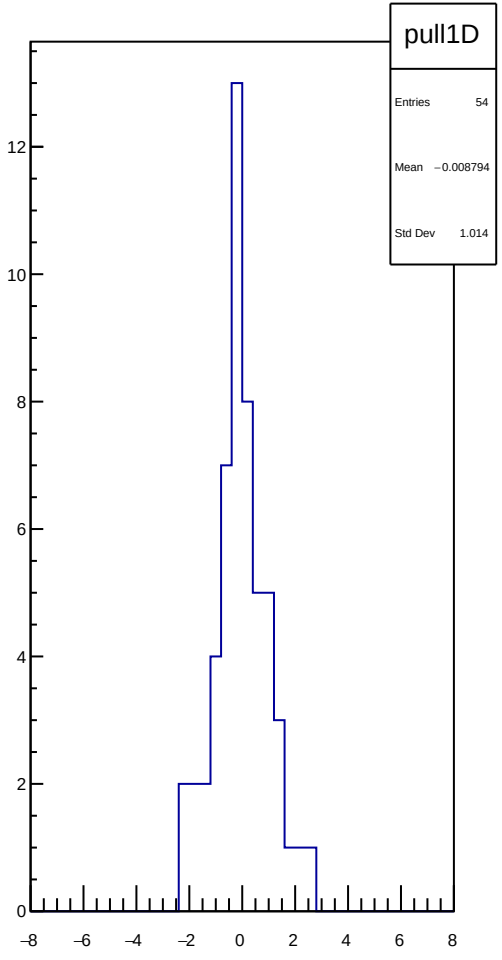

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

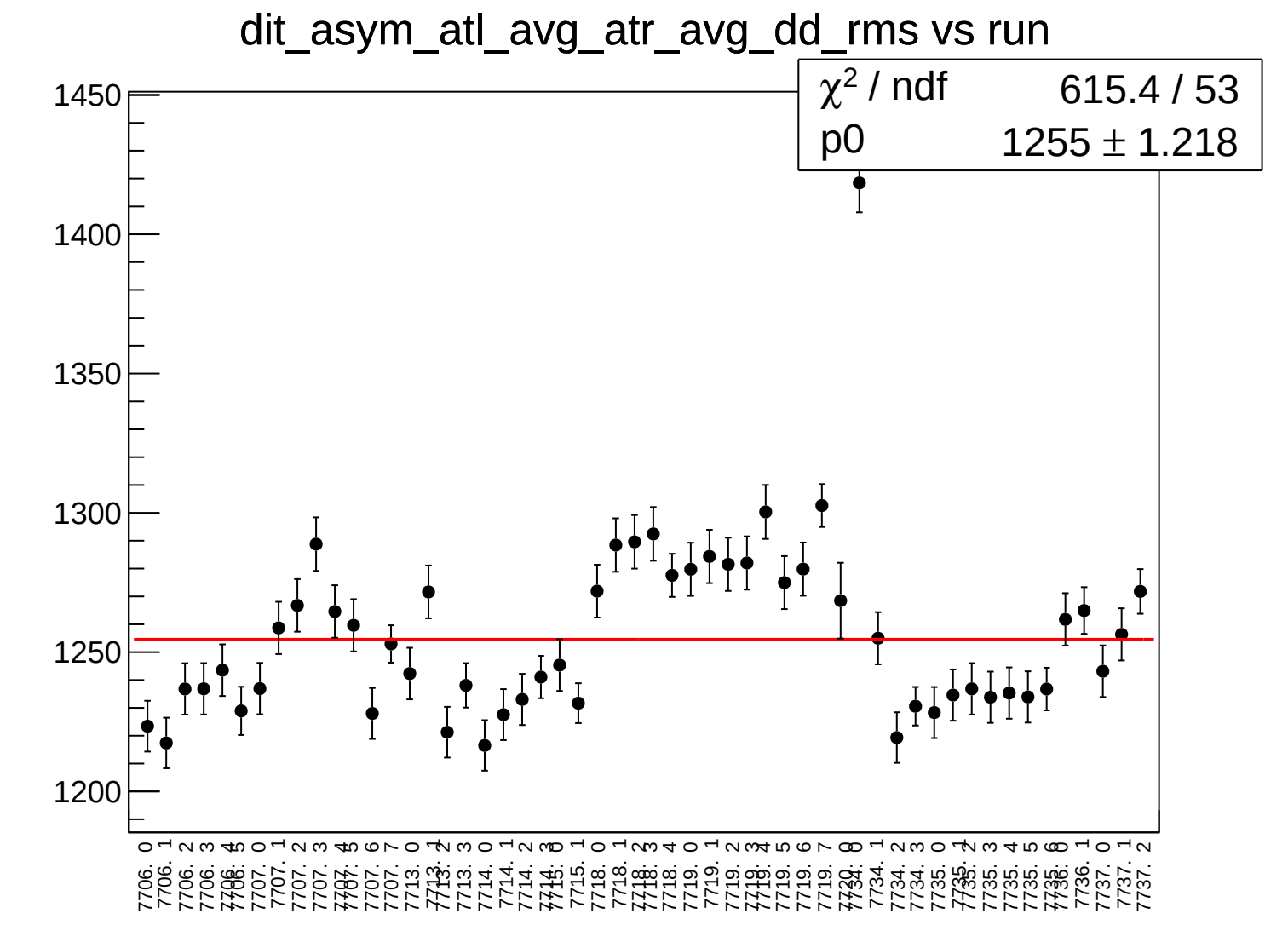

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.72 / 53
p0 −138.8 ± 1421
pull
Entries 54
Mean 451.9
Std Dev 0

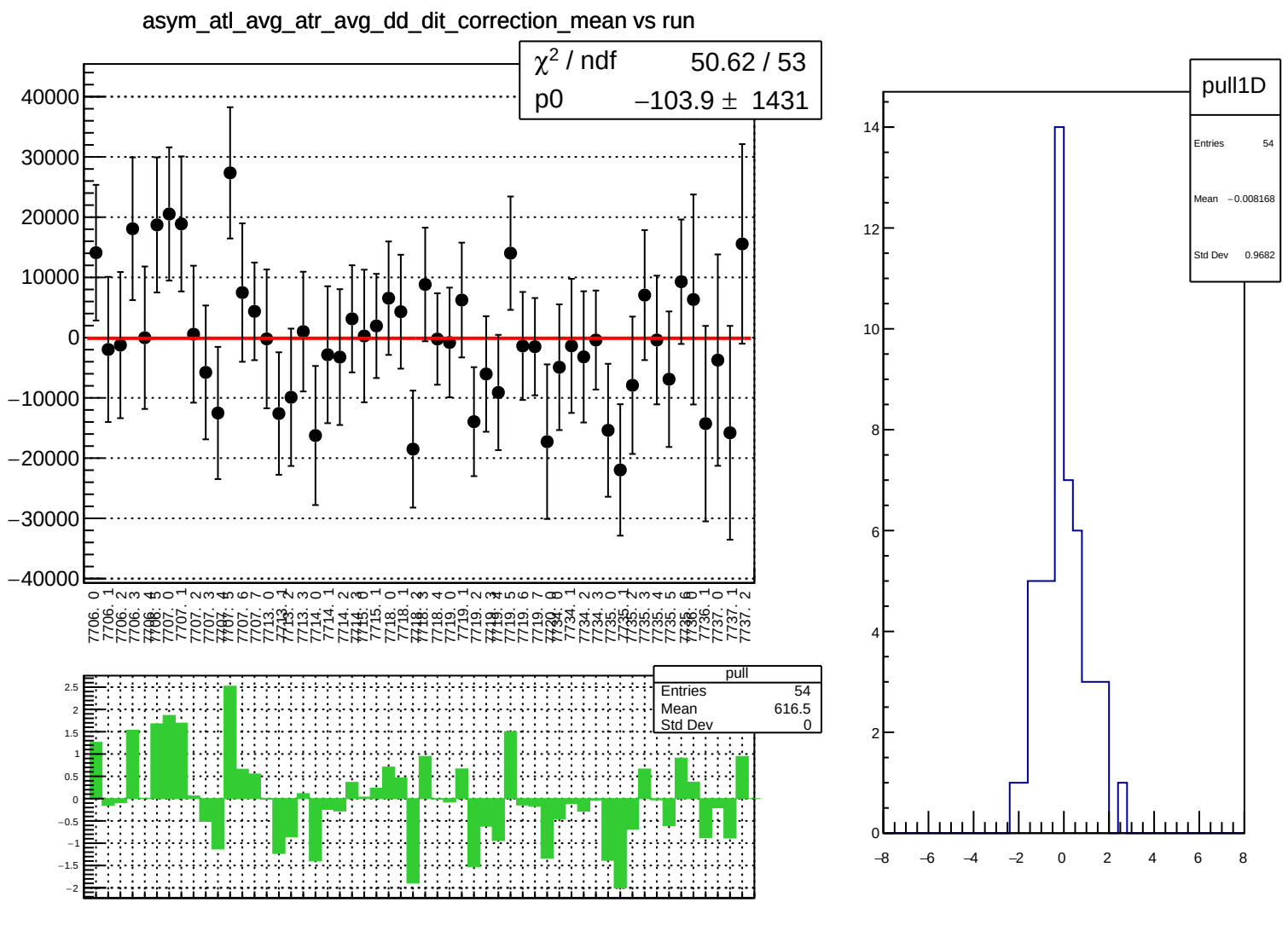

pull1D
Entries 54
Mean −0.01157
Std Dev 0.9785

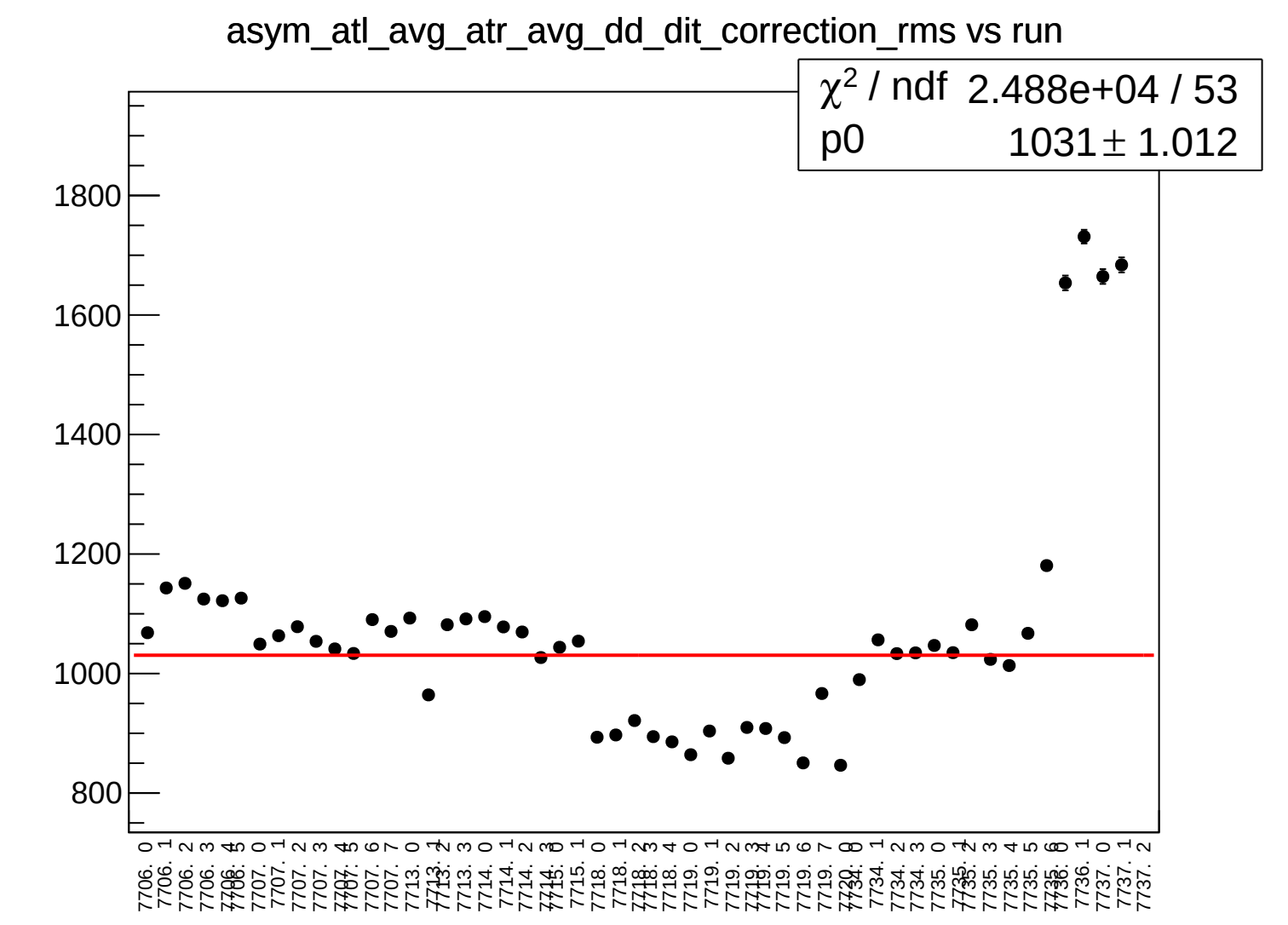

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

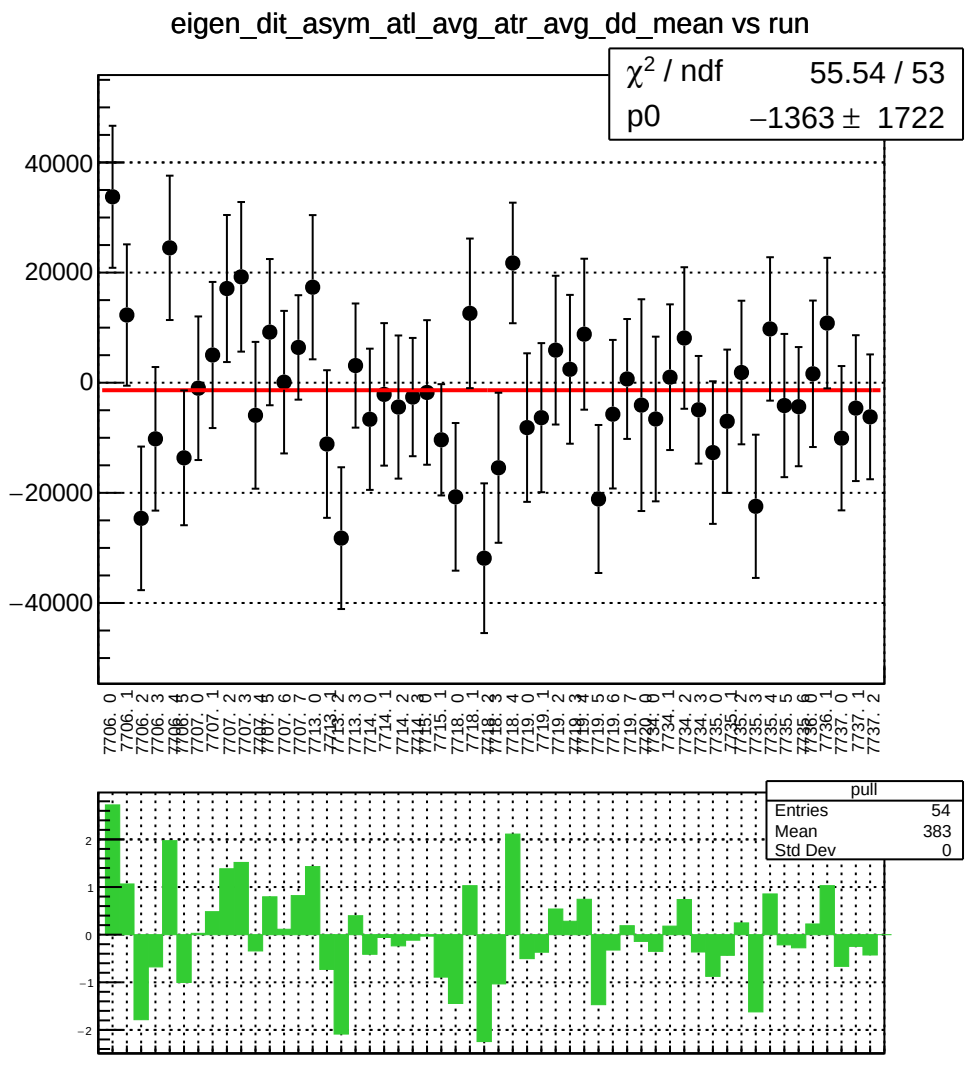

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.54 / 53
p0 −1363 ± 1722
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 383
Std Dev 0
2
1
0
−1
−2

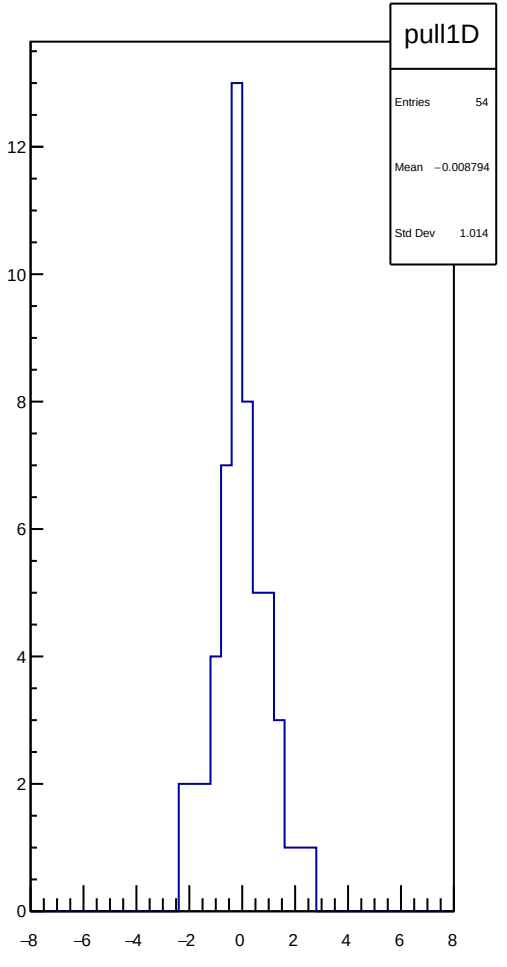

pull1D
Entries 54
Mean −0.008794
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

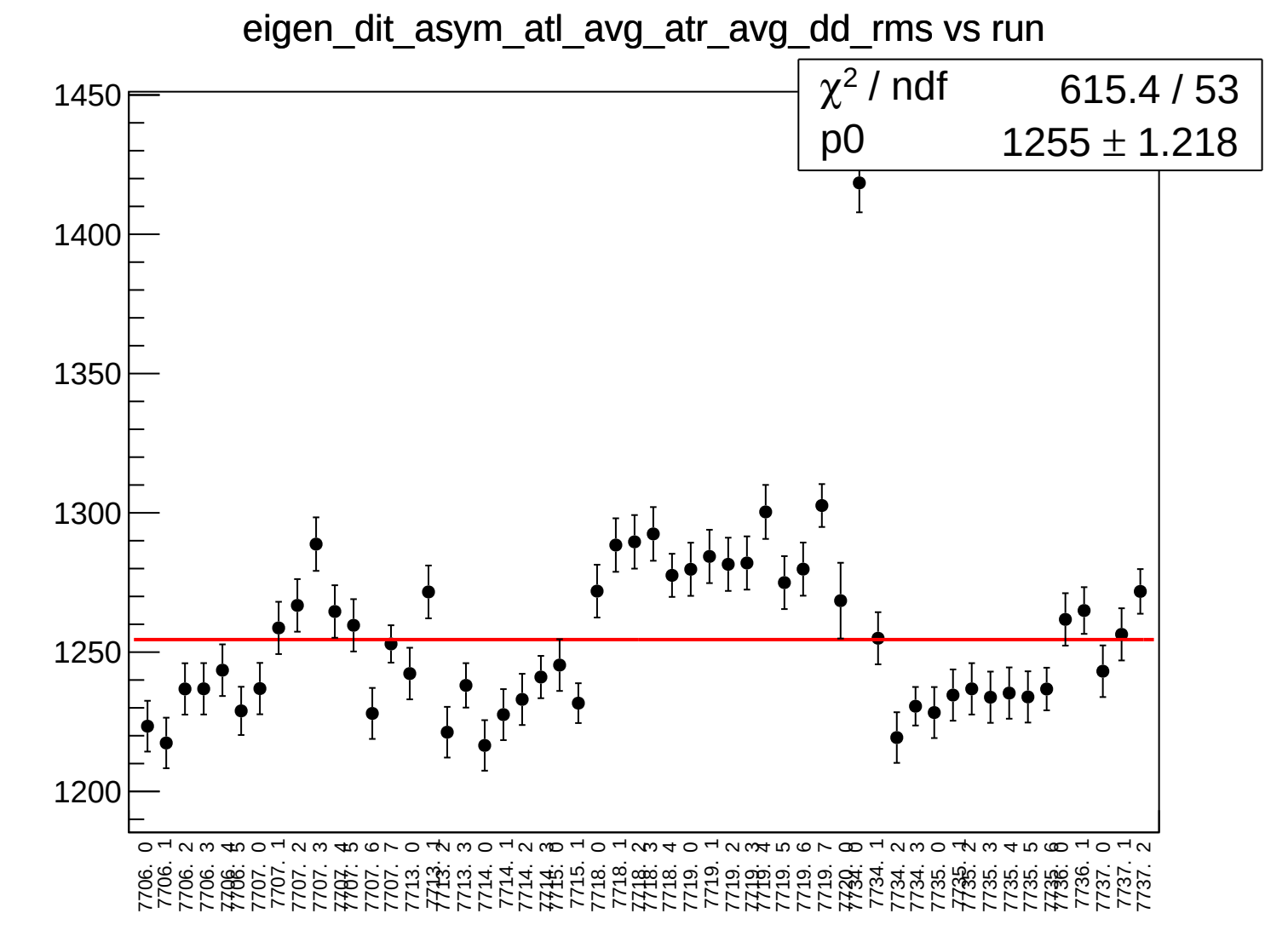

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 615.4 / 53
p0 1255 ± 1.218
1450
1400
1350
1300
1250
1200

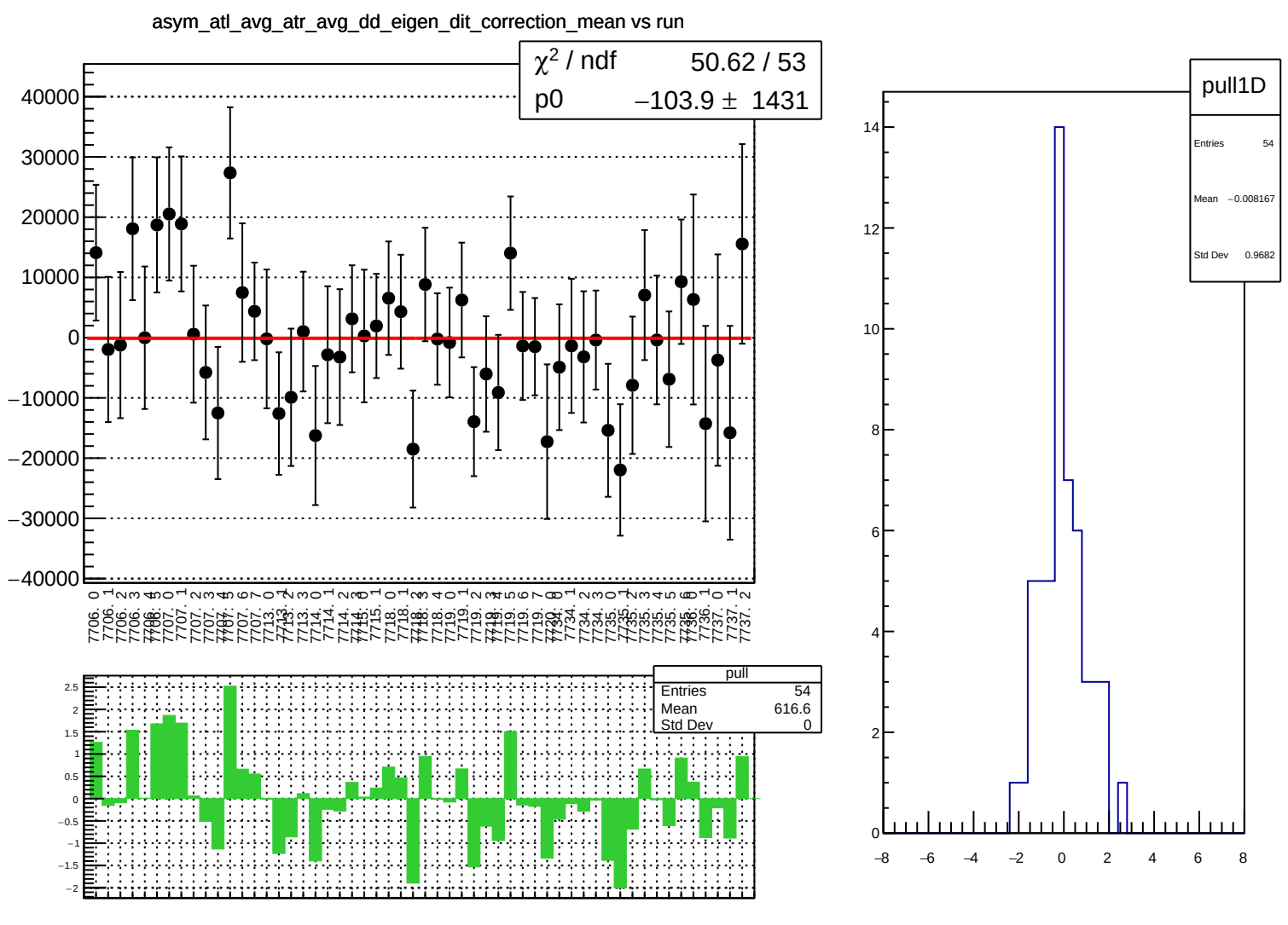

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 50.62 / 53
p0 −103.9 ± 1431
pull
Entries 54
Mean 616.5
Std Dev 0
pull1D
Entries 54
Mean −0.008168
Std Dev 0.9682

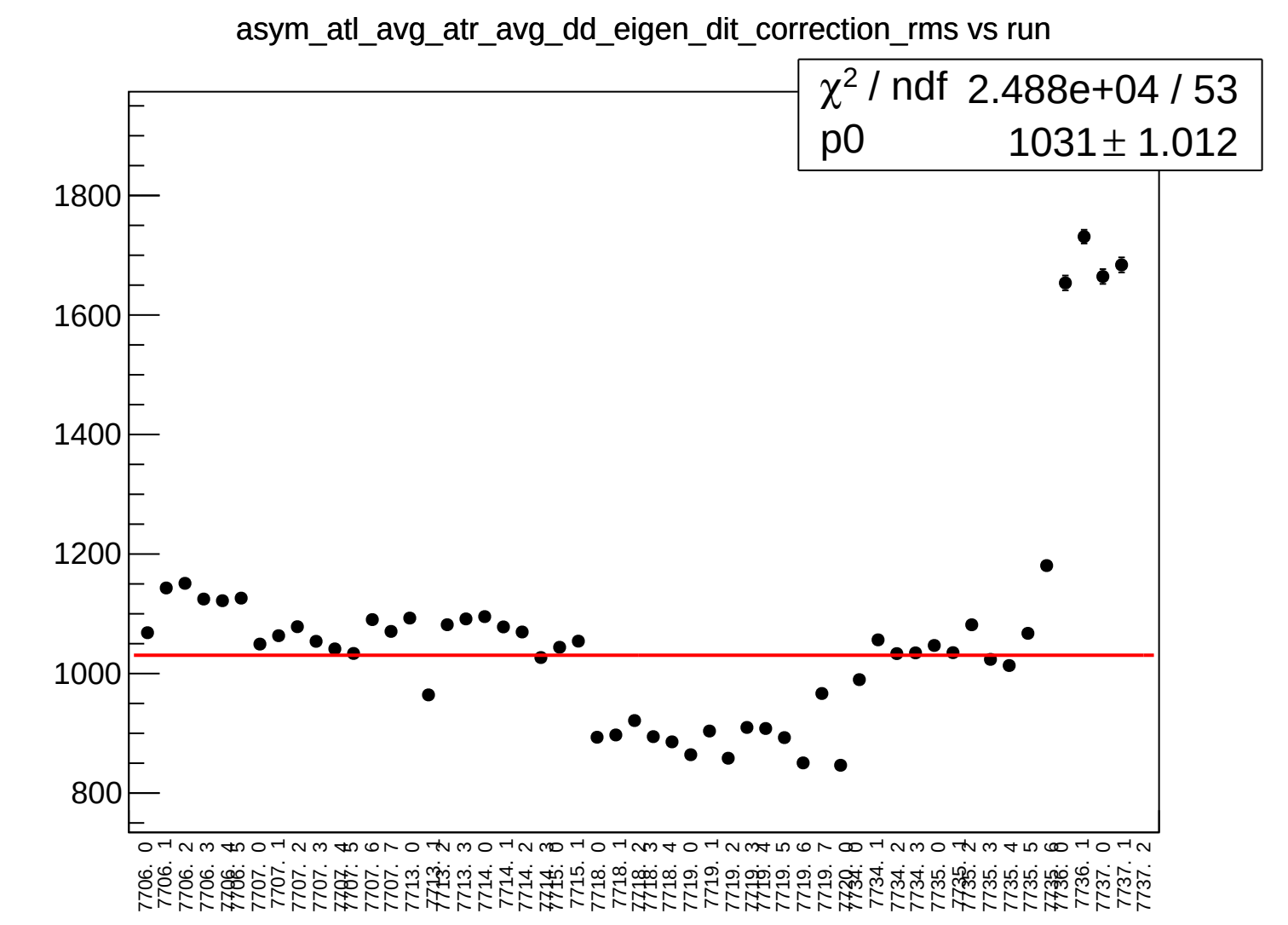

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.488e+04 / 53
p0 1031 ± 1.012
1800
1600
1400
1200
1000
800

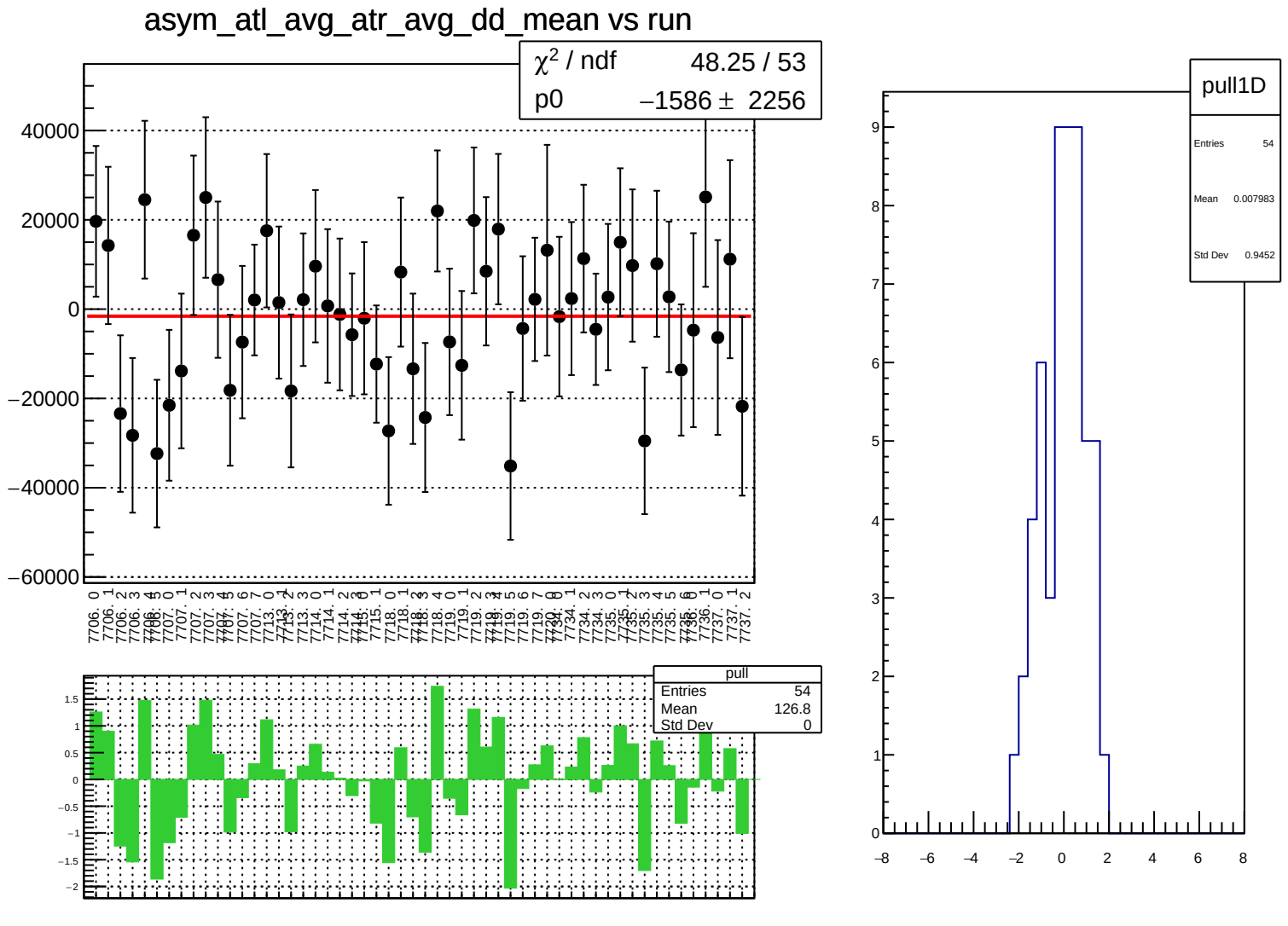

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.54 / 53
p0 −1363 ± 1722
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 383
Std Dev 0
2
1
0
−1
−2

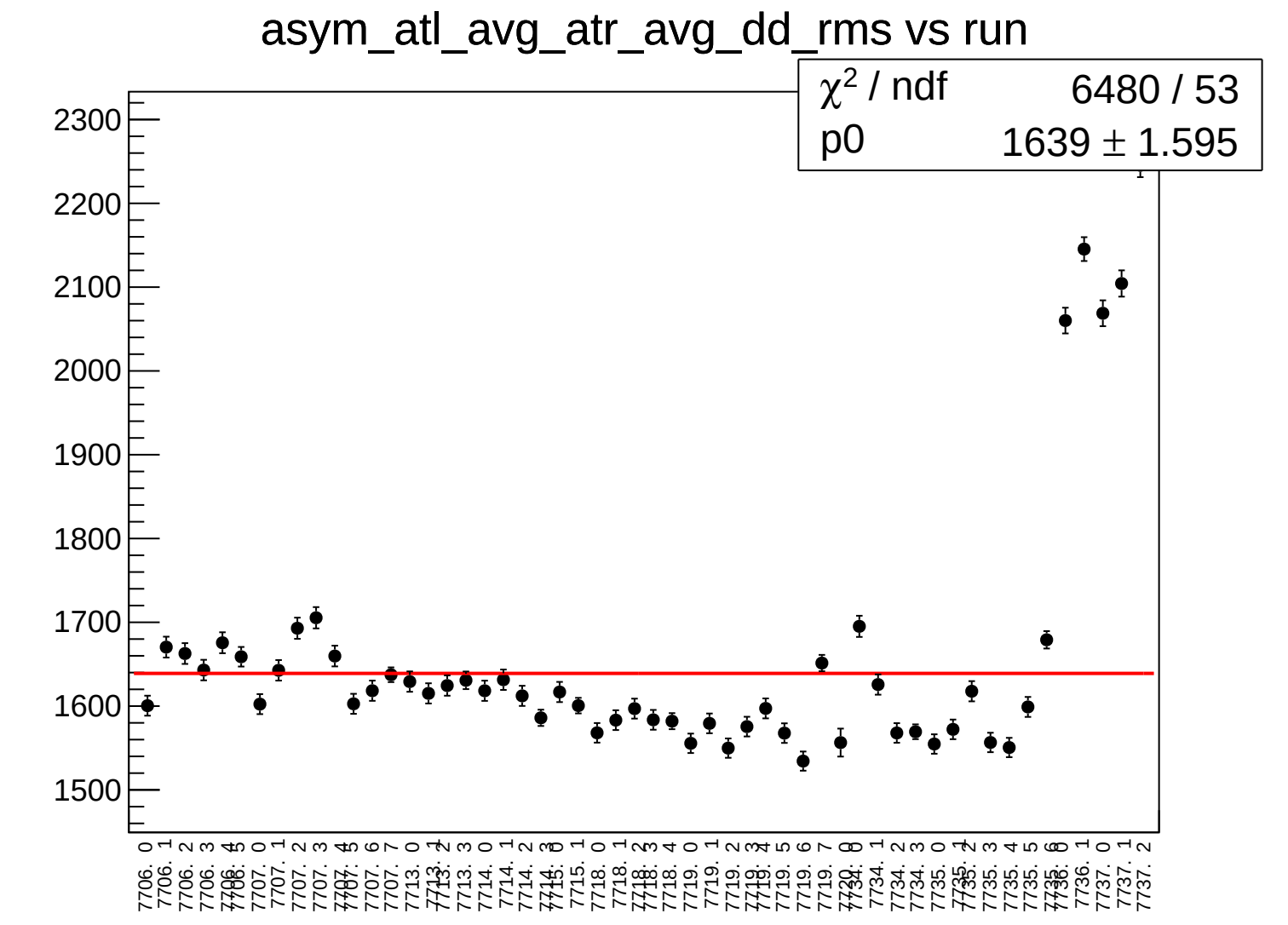

pull1D
Entries 54
Mean −0.008794
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

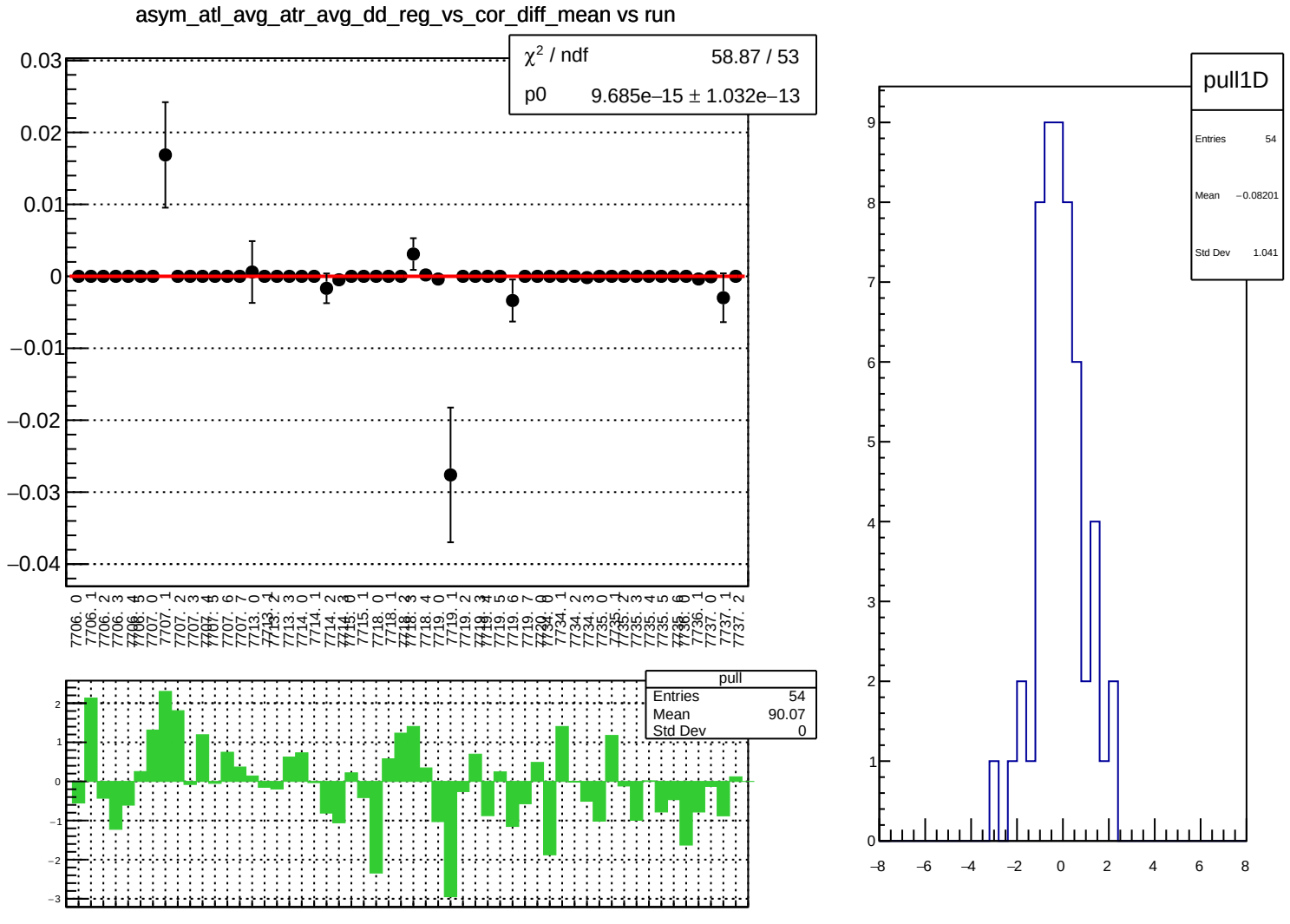

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 615.4 / 53
p0 1255 ± 1.218
1450
1400
1350
1300
1250
1200

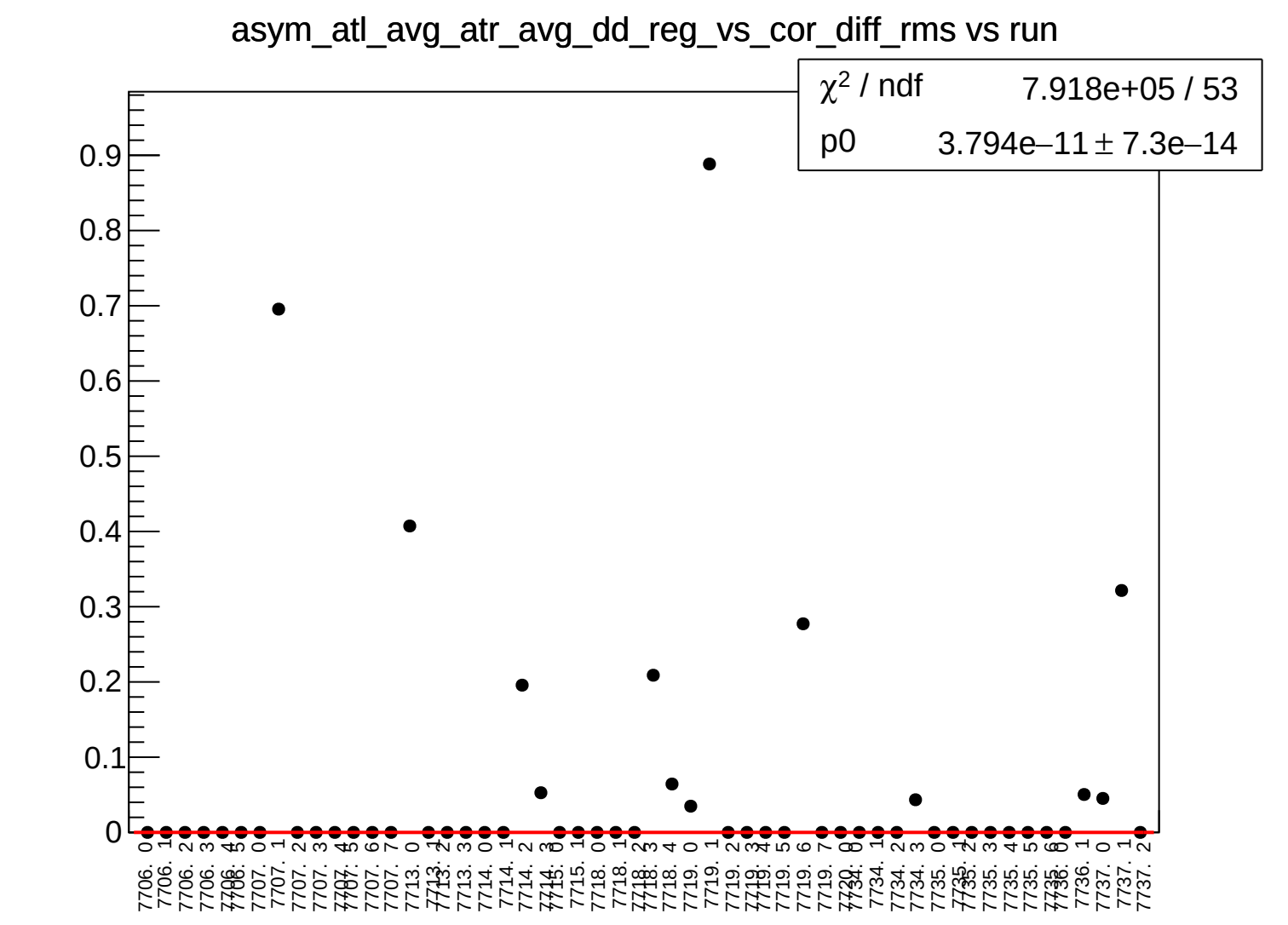

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.62 / 53
p0 −103.9 ± 1431
pull
Entries 54
Mean 616.6
Std Dev 0
pull1D
Entries 54
Mean −0.008167
Std Dev 0.9682

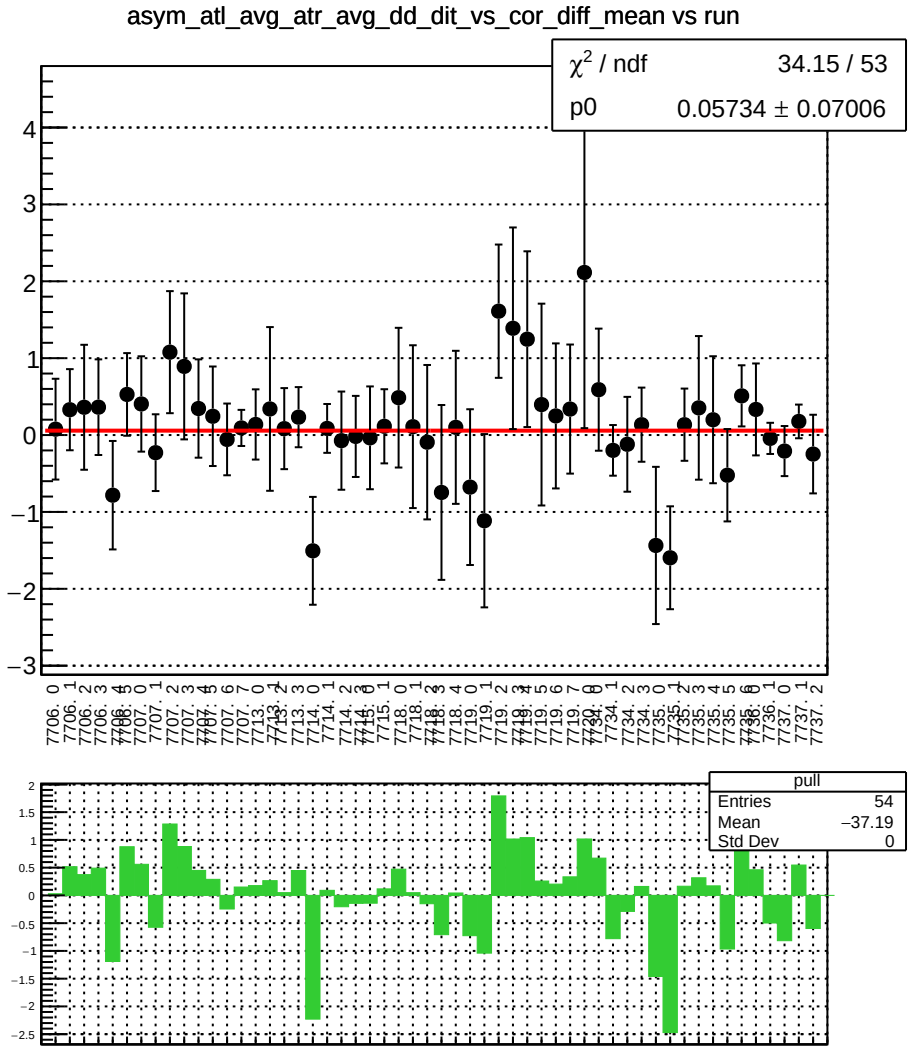

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.488e+04 / 53
p0 1031 ± 1.012
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

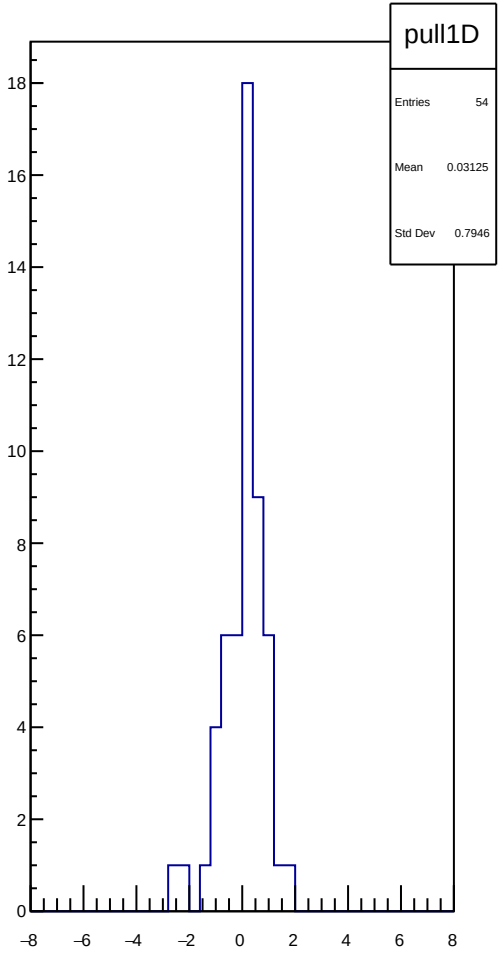

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 48.25 / 53
p0 −1586 ± 2256
pull
Entries 54
Mean 126.8
Std Dev 0
pull1D
Entries 54
Mean 0.007983
Std Dev 0.9452

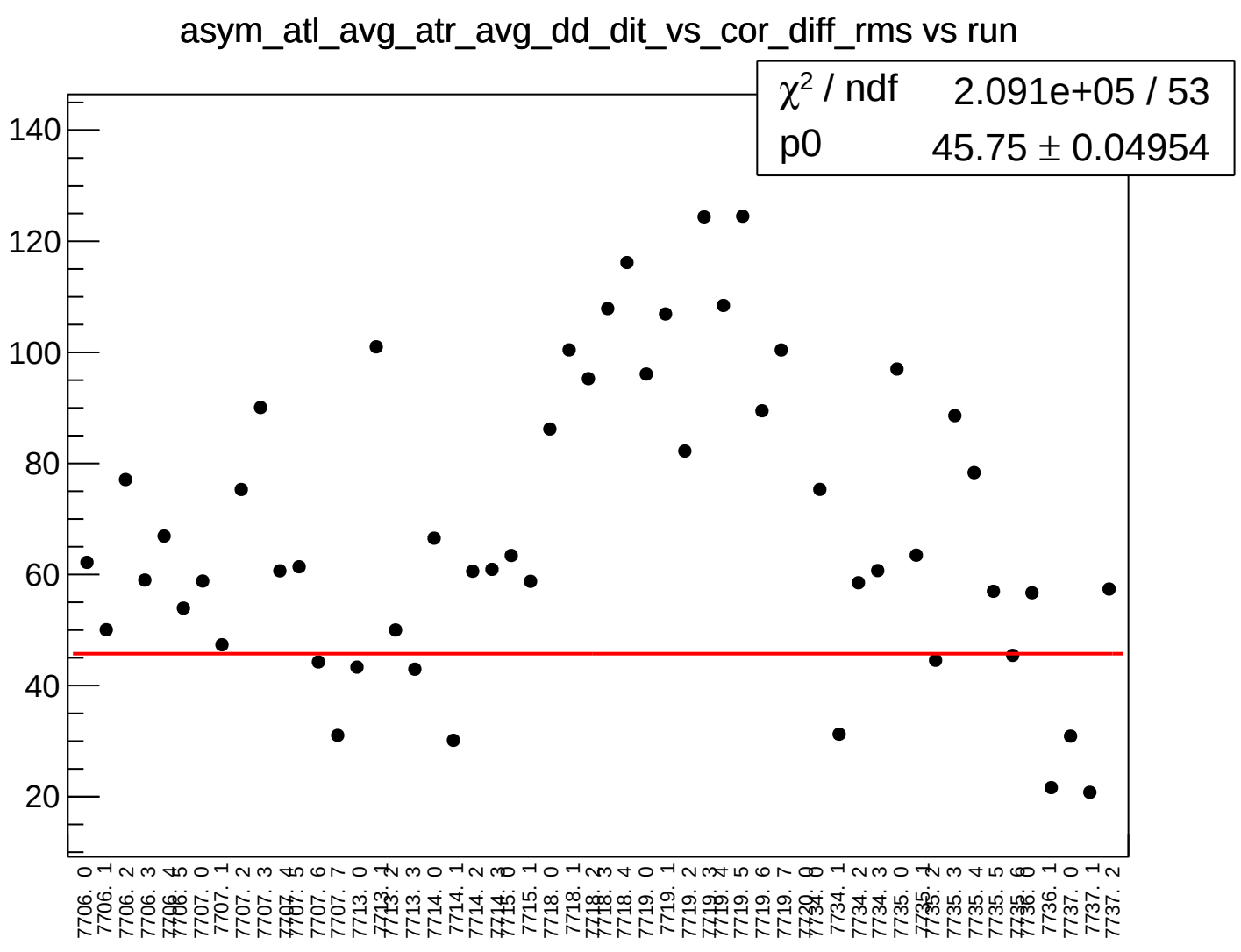

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6480 / 53
p0 1639 ± 1.595
2300
2200
2100
2000
1900
1800
1700
1600
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

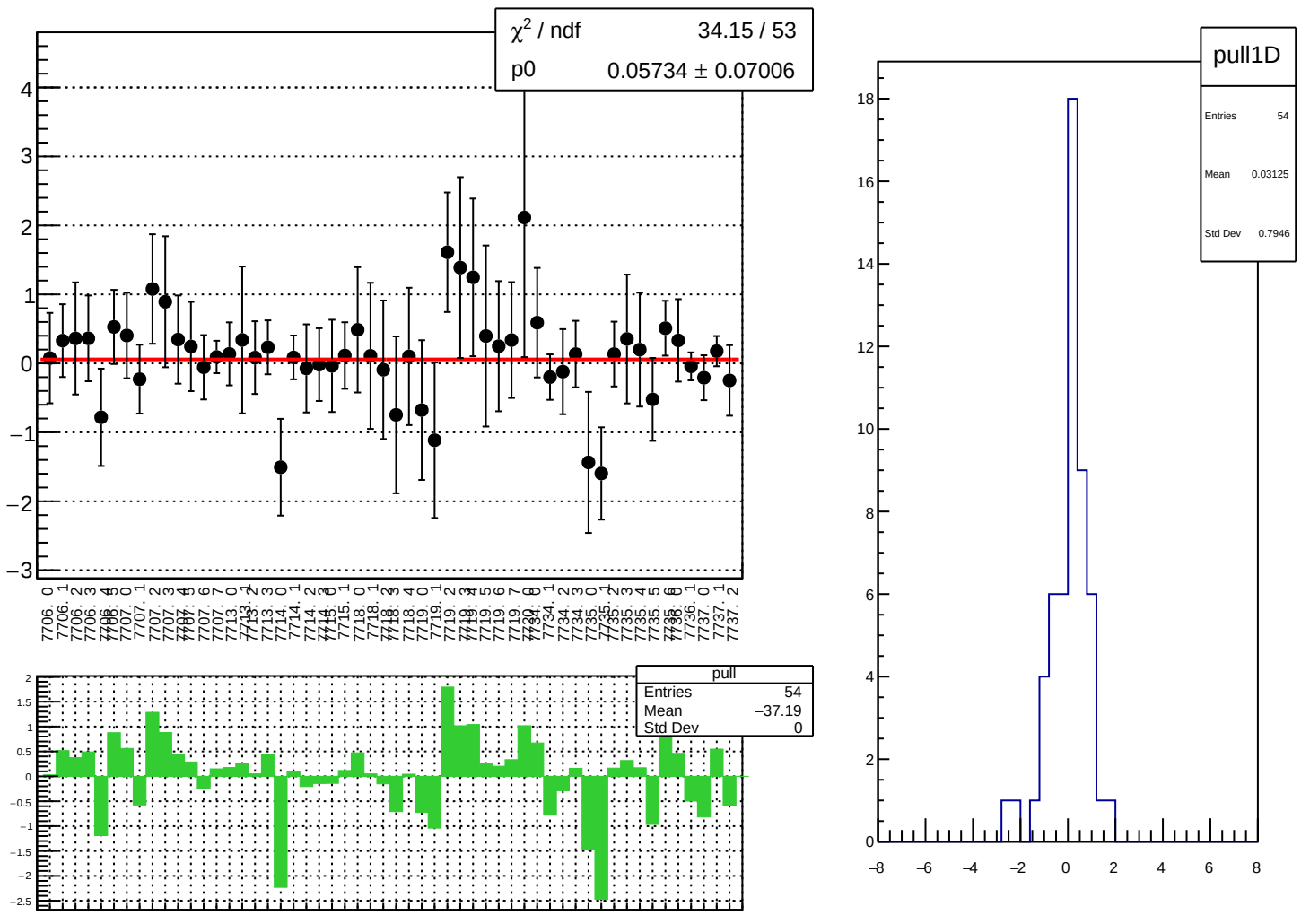

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.87 / 53
p0 9.685e−15 ± 1.032e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 54
Mean 90.07
Std Dev 0
pull1D
Entries 54
Mean −0.08201
Std Dev 1.041

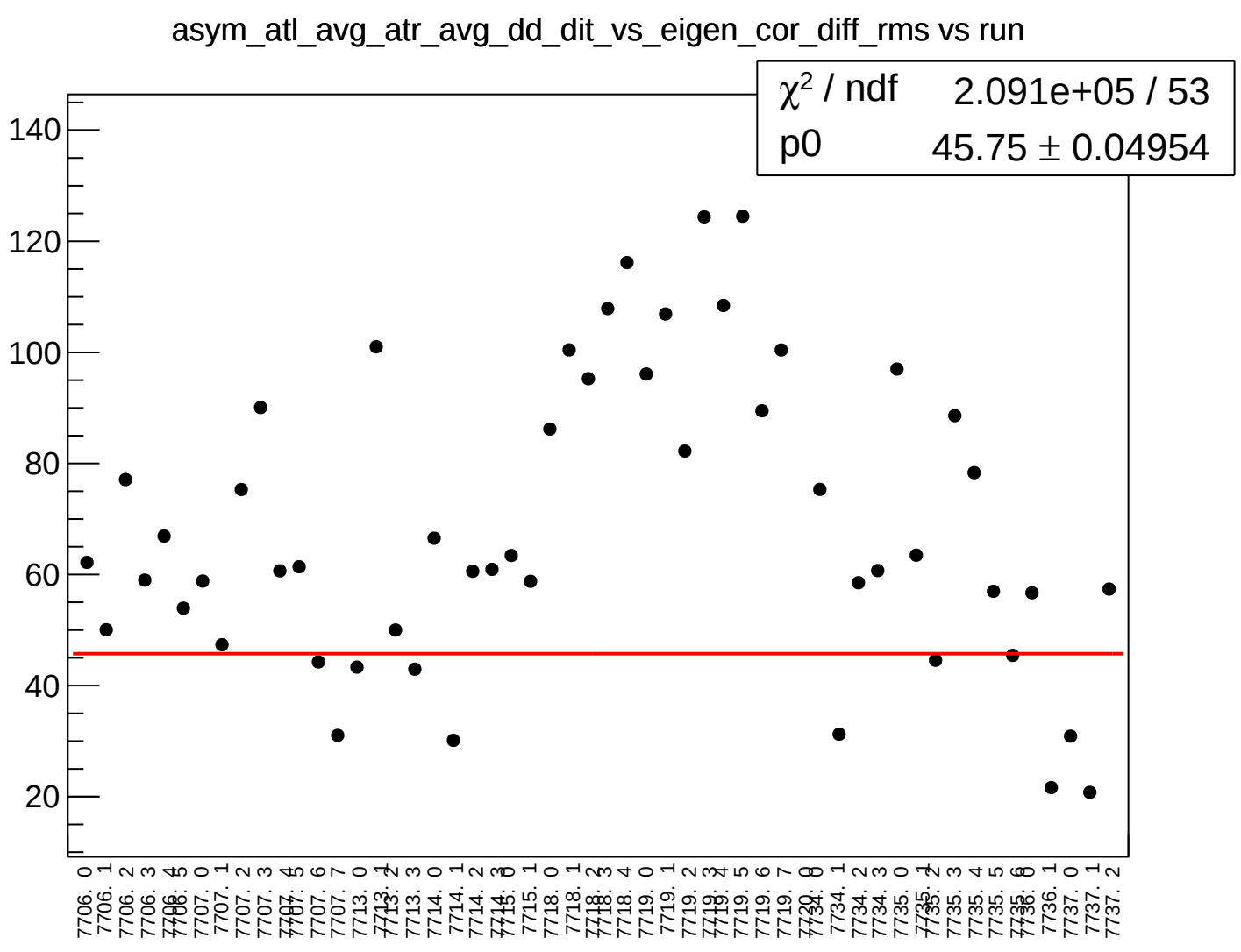

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.918e+05 / 53
p0 3.794e−11 ± 7.3e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

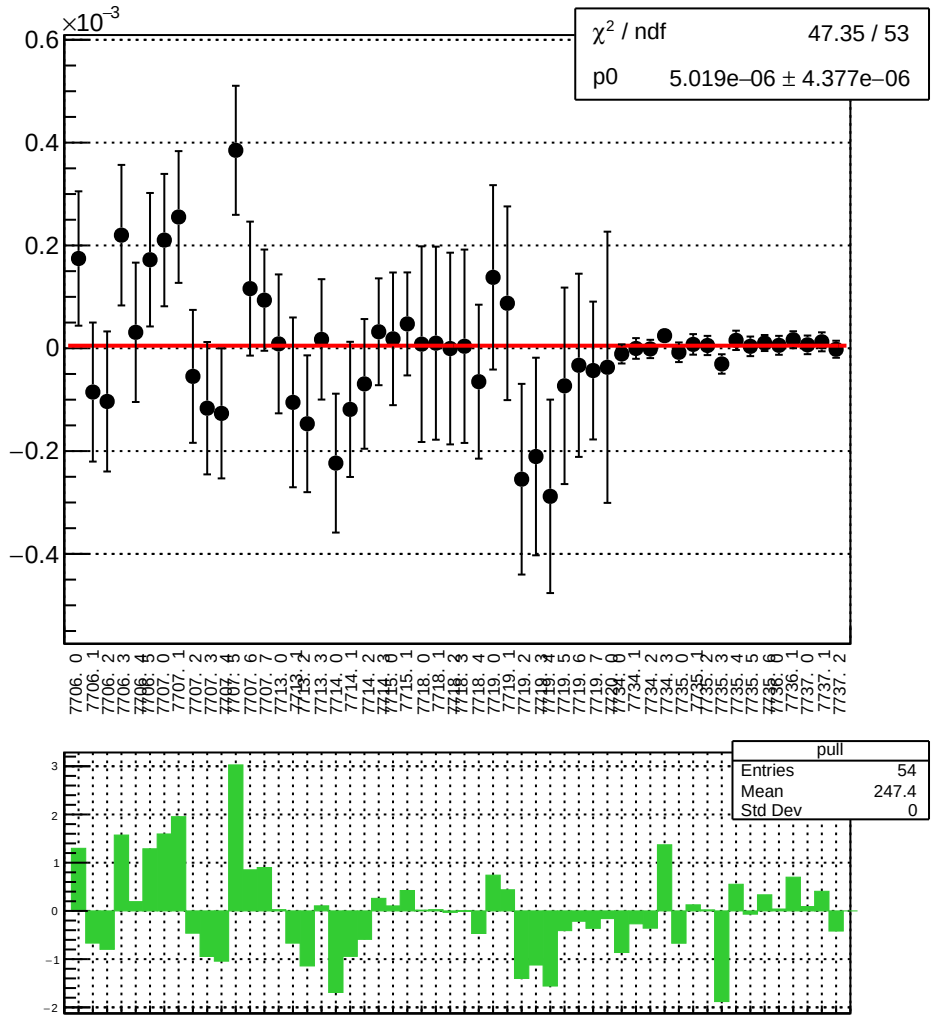

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05734 ± 0.07006
pull
Entries 54
Mean −37.19
Std Dev 0

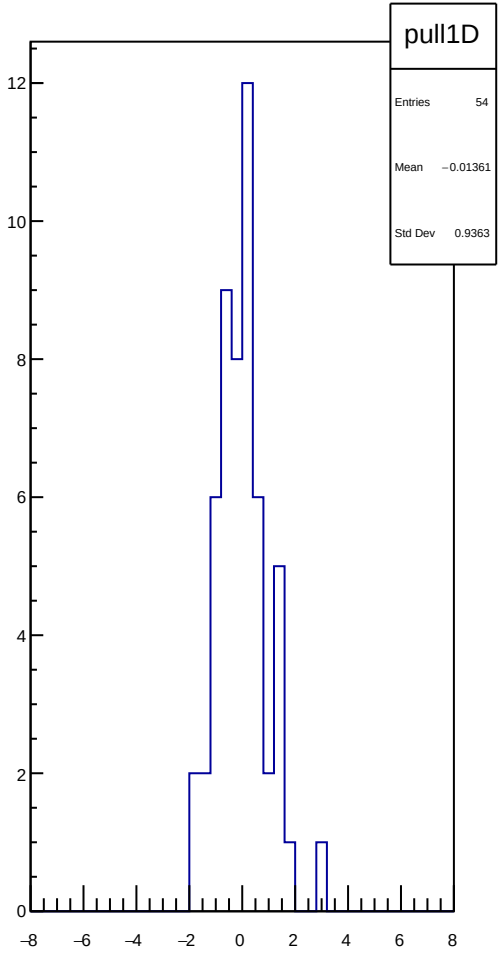

pull1D
Entries 54
Mean 0.03125
Std Dev 0.7946

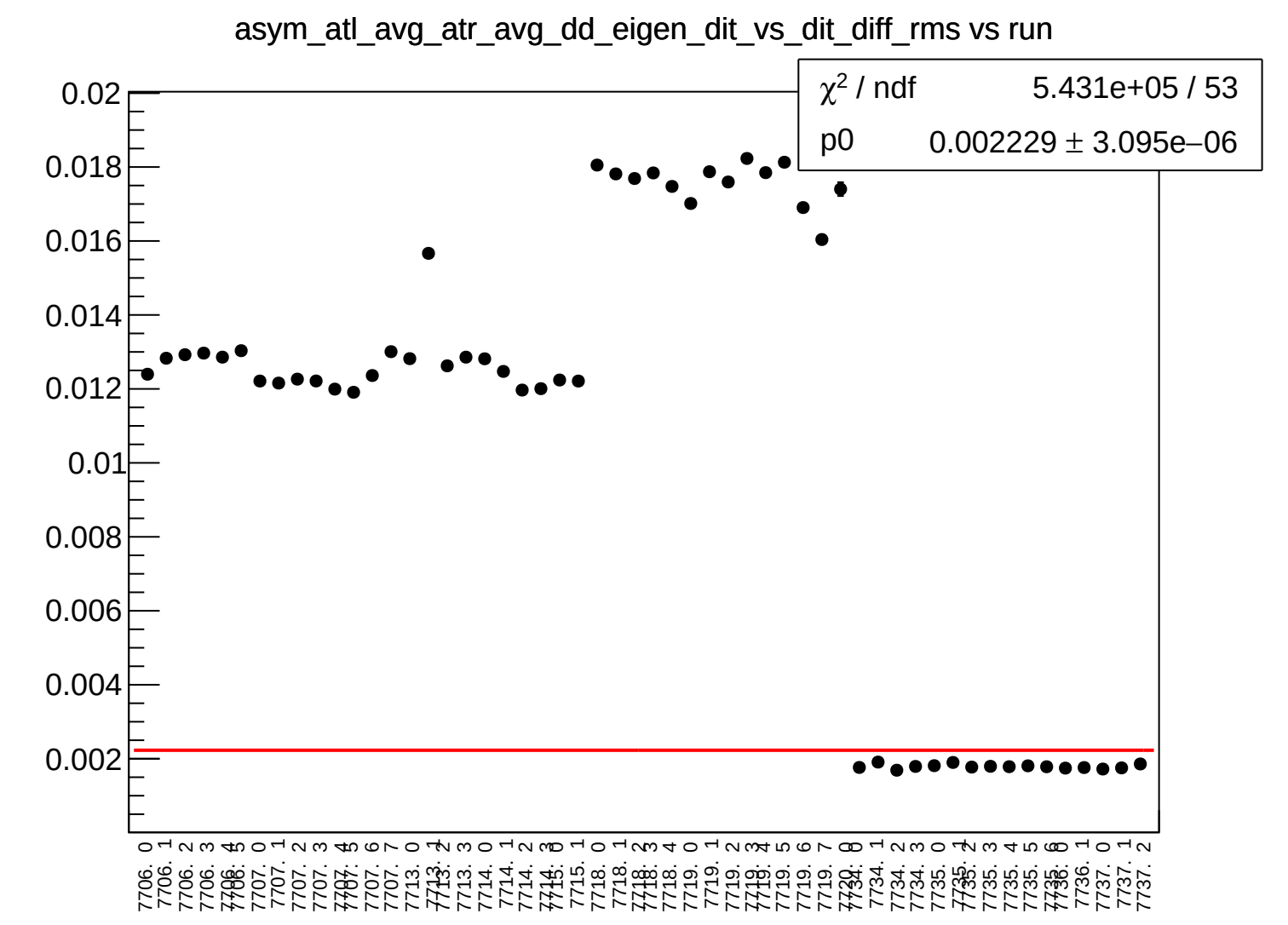

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

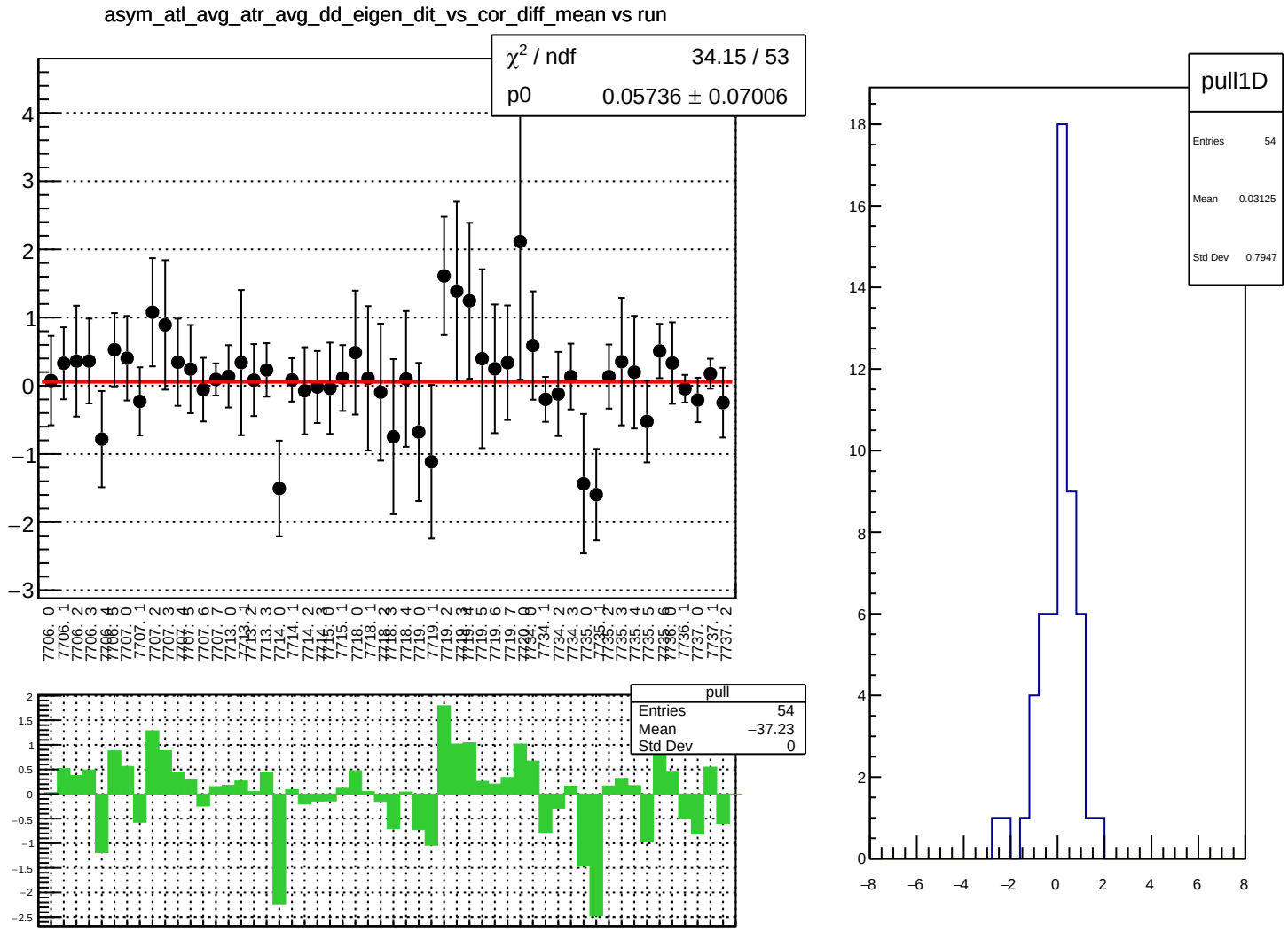

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05734 ± 0.07006
pull
Entries 54
Mean −37.19
Std Dev 0
pull1D
Entries 54
Mean 0.03125
Std Dev 0.7946

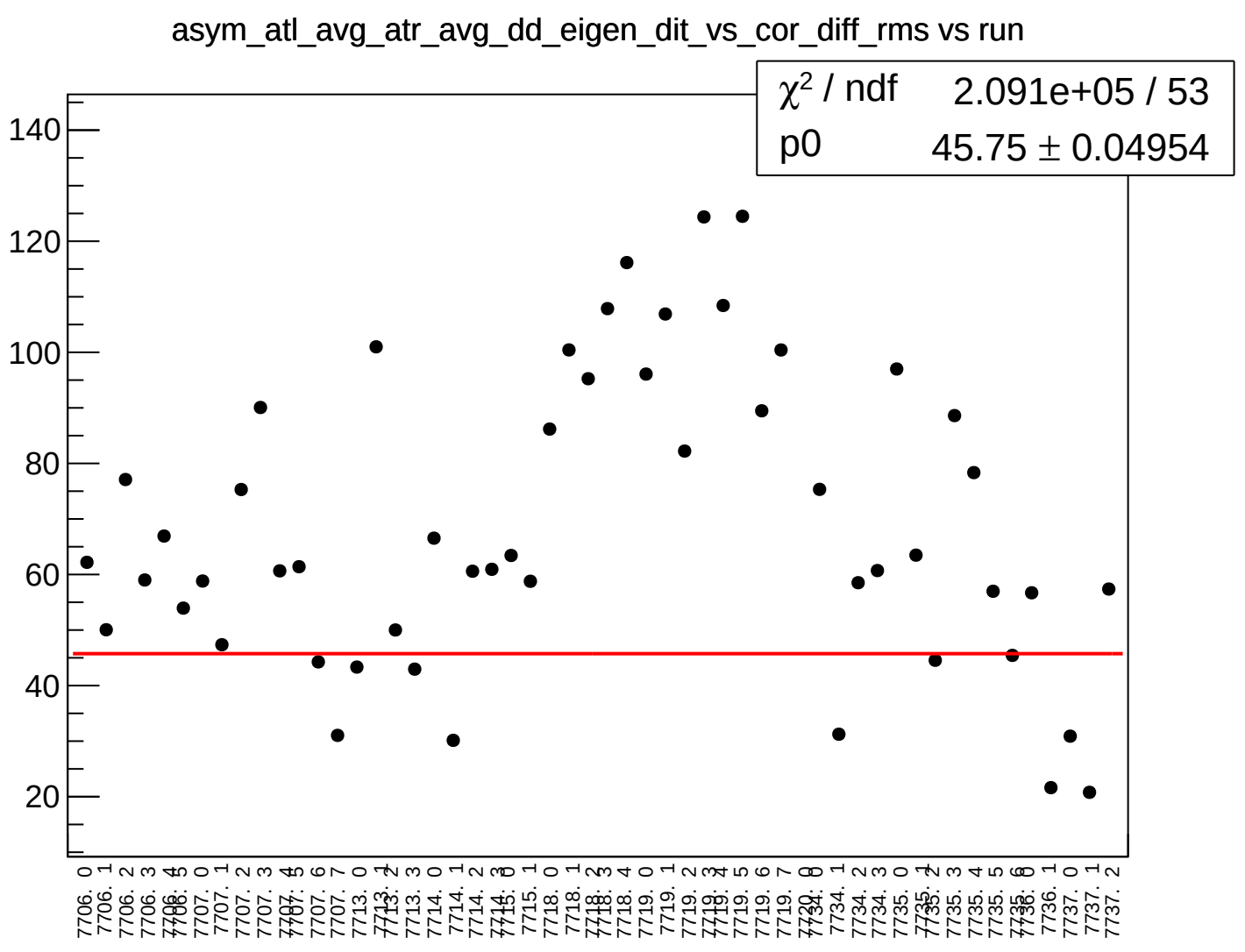

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

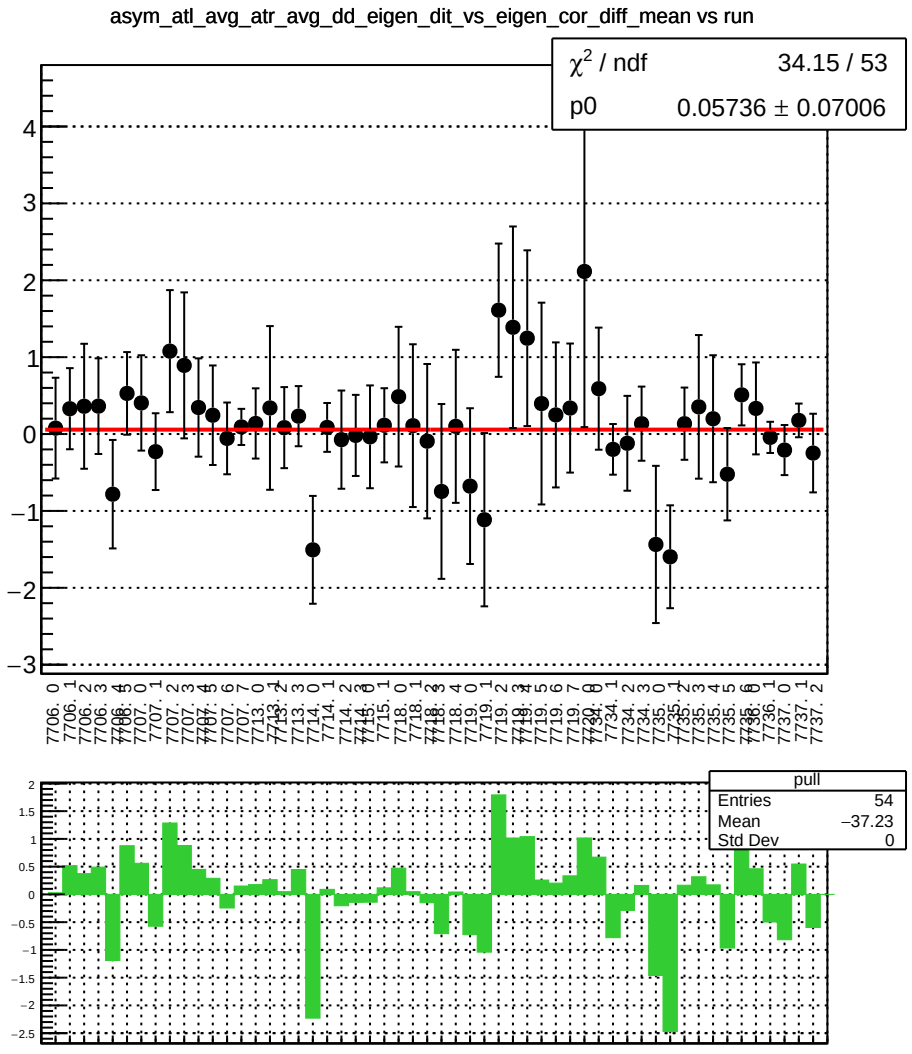

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.35 / 53
p0 5.019e−06 ± 4.377e−06
pull
Entries 54
Mean 247.4
Std Dev 0

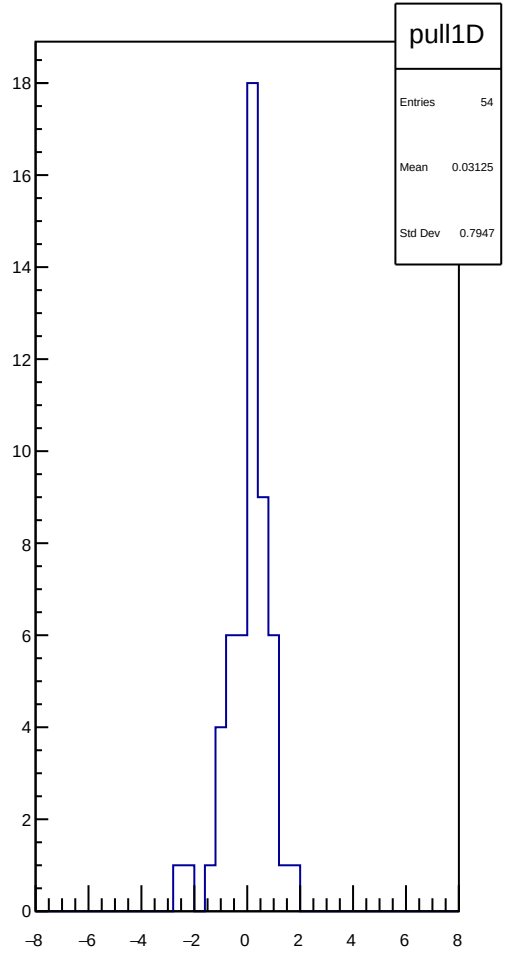

pull1D
Entries 54
Mean −0.01361
Std Dev 0.9363

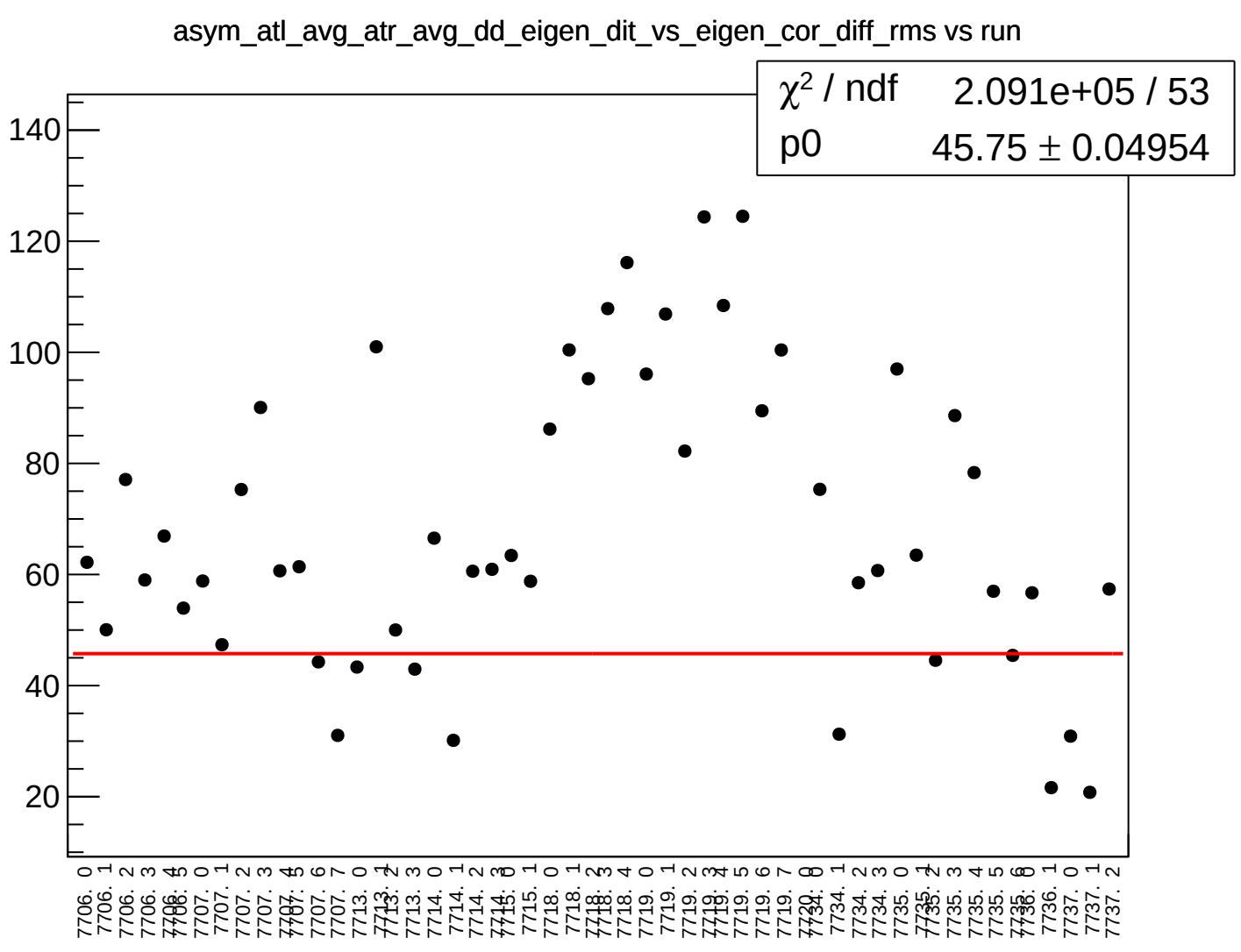

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.431e+05 / 53
p0 0.002229 ± 3.095e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

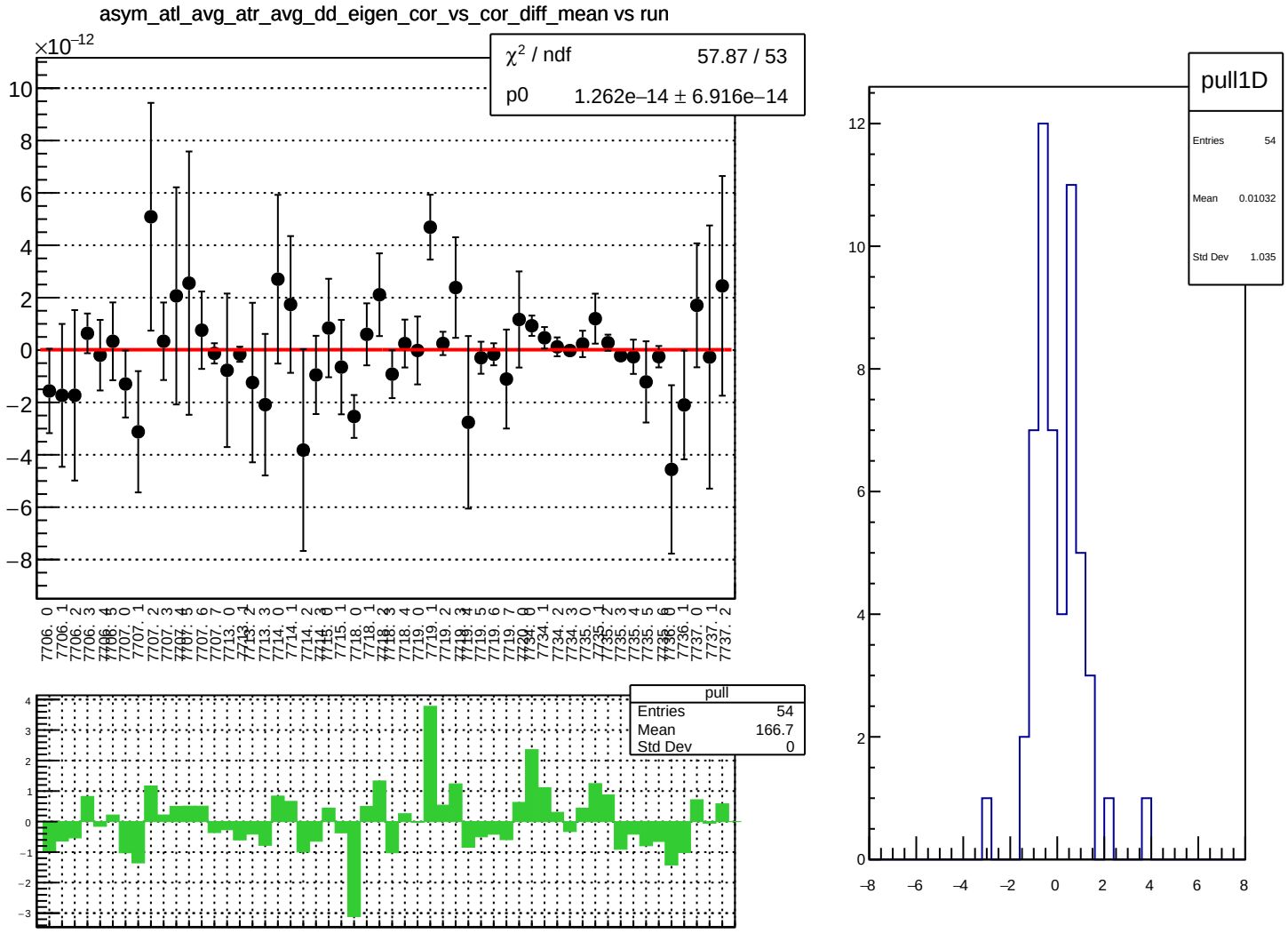

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05736 ± 0.07006
pull
Entries 54
Mean −37.23
Std Dev 0
pull1D
Entries 54
Mean 0.03125
Std Dev 0.7947

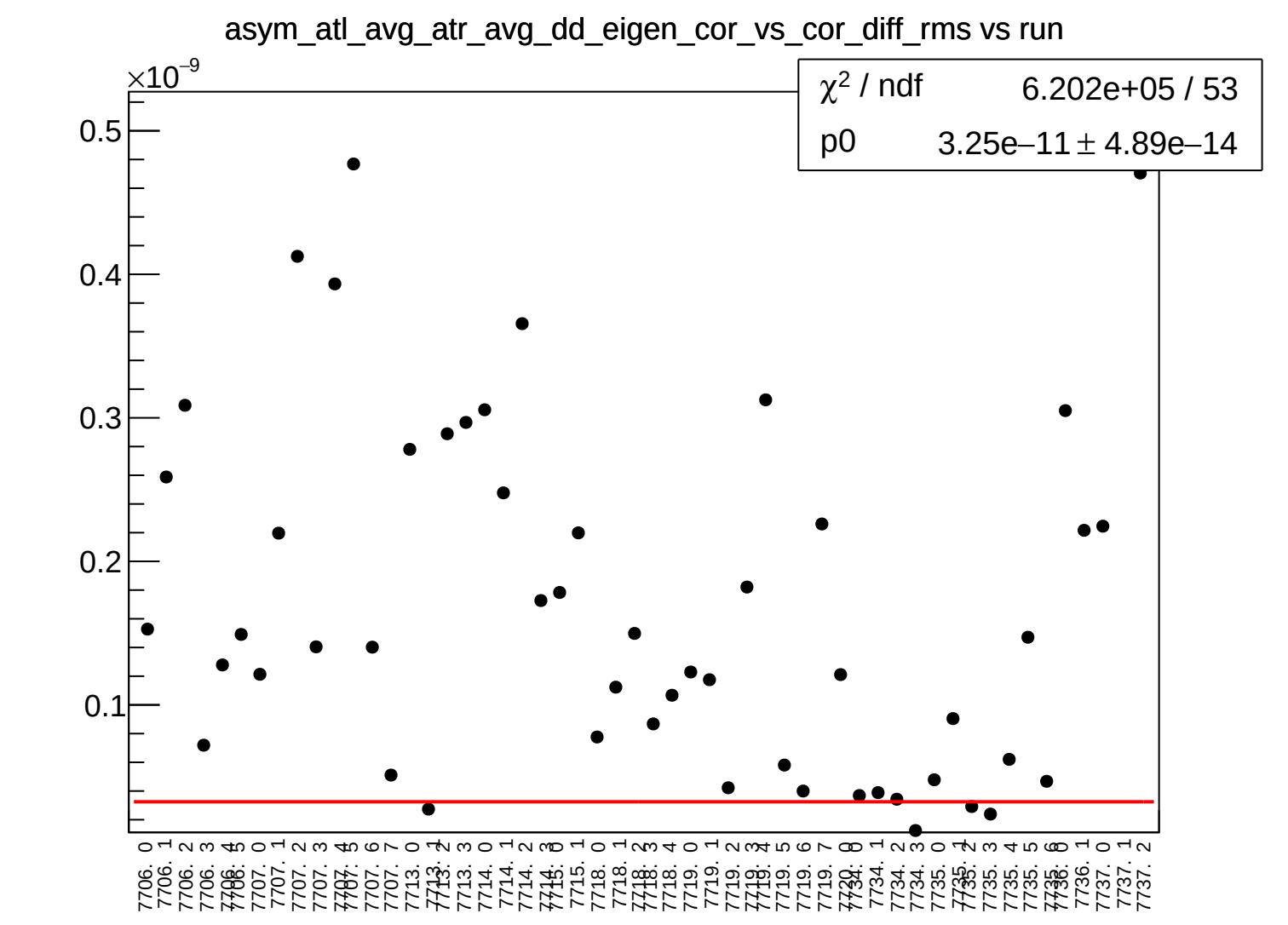

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

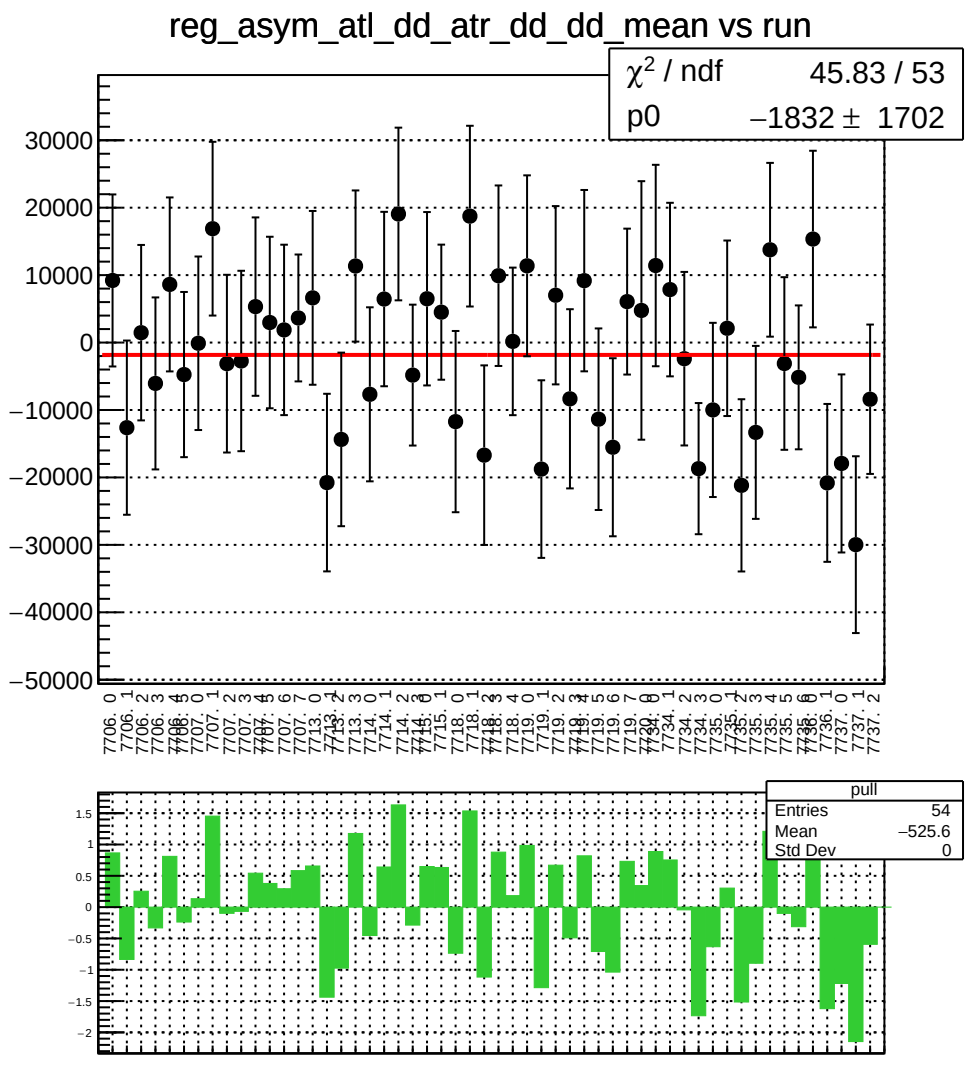

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05736 ± 0.07006
pull
Entries 54
Mean −37.23
Std Dev 0

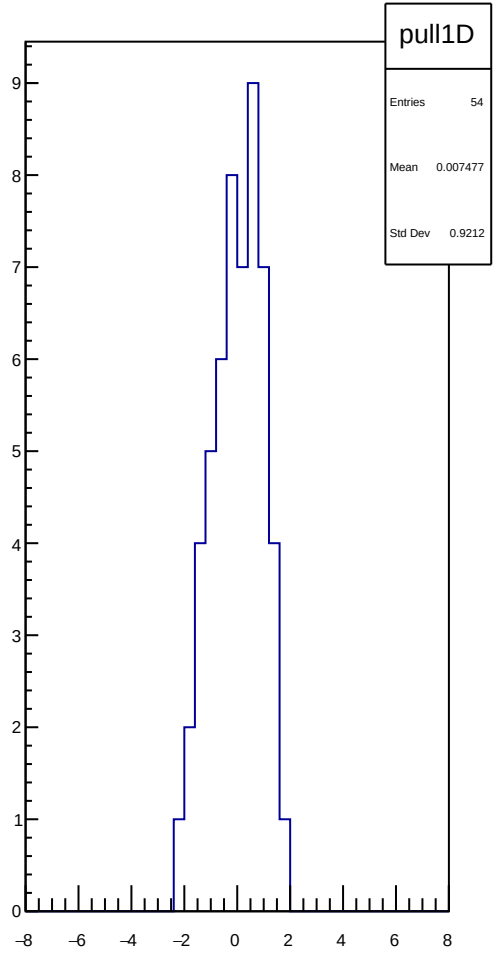

pull1D
Entries 54
Mean 0.03125
Std Dev 0.7947

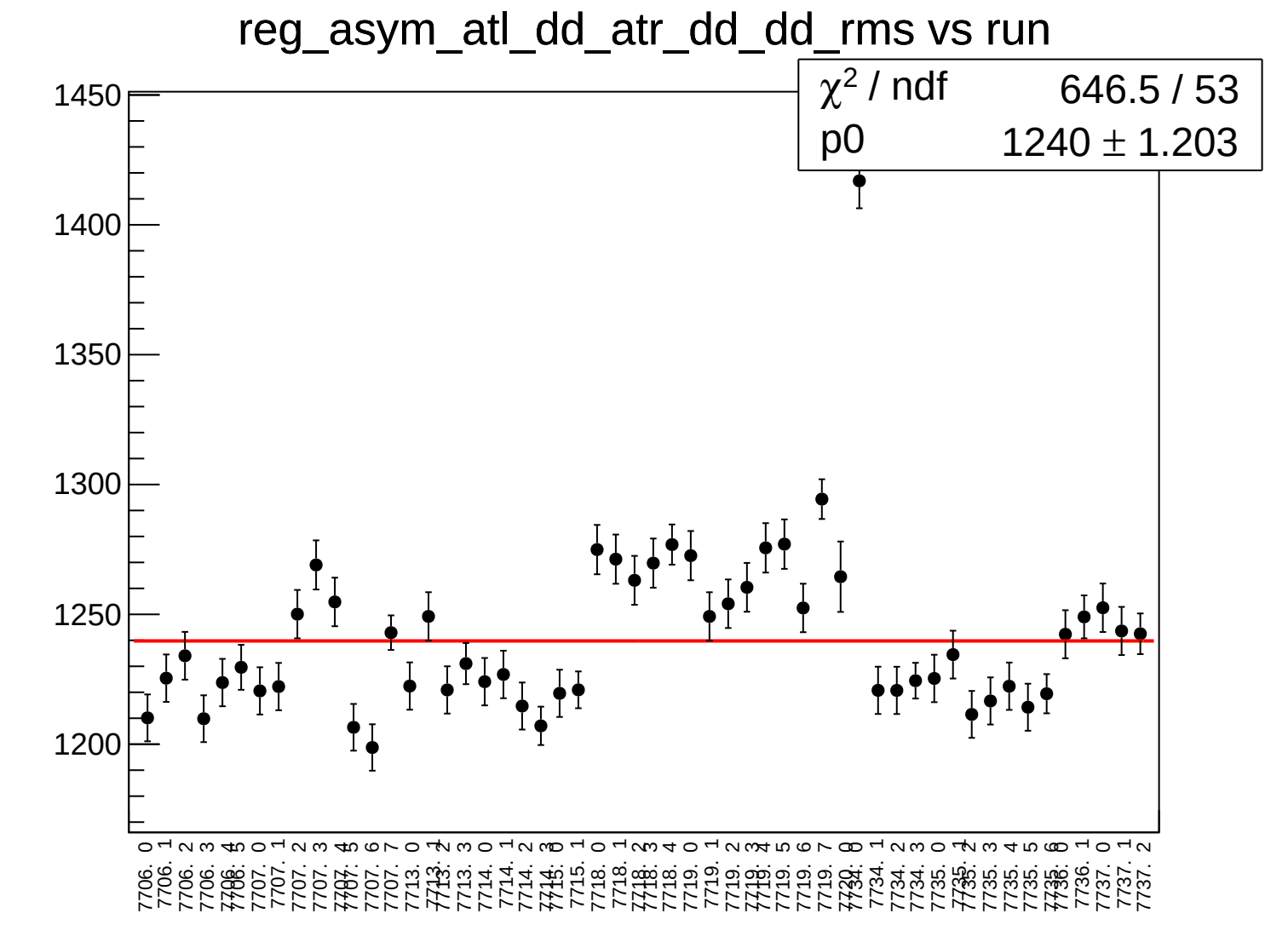

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20

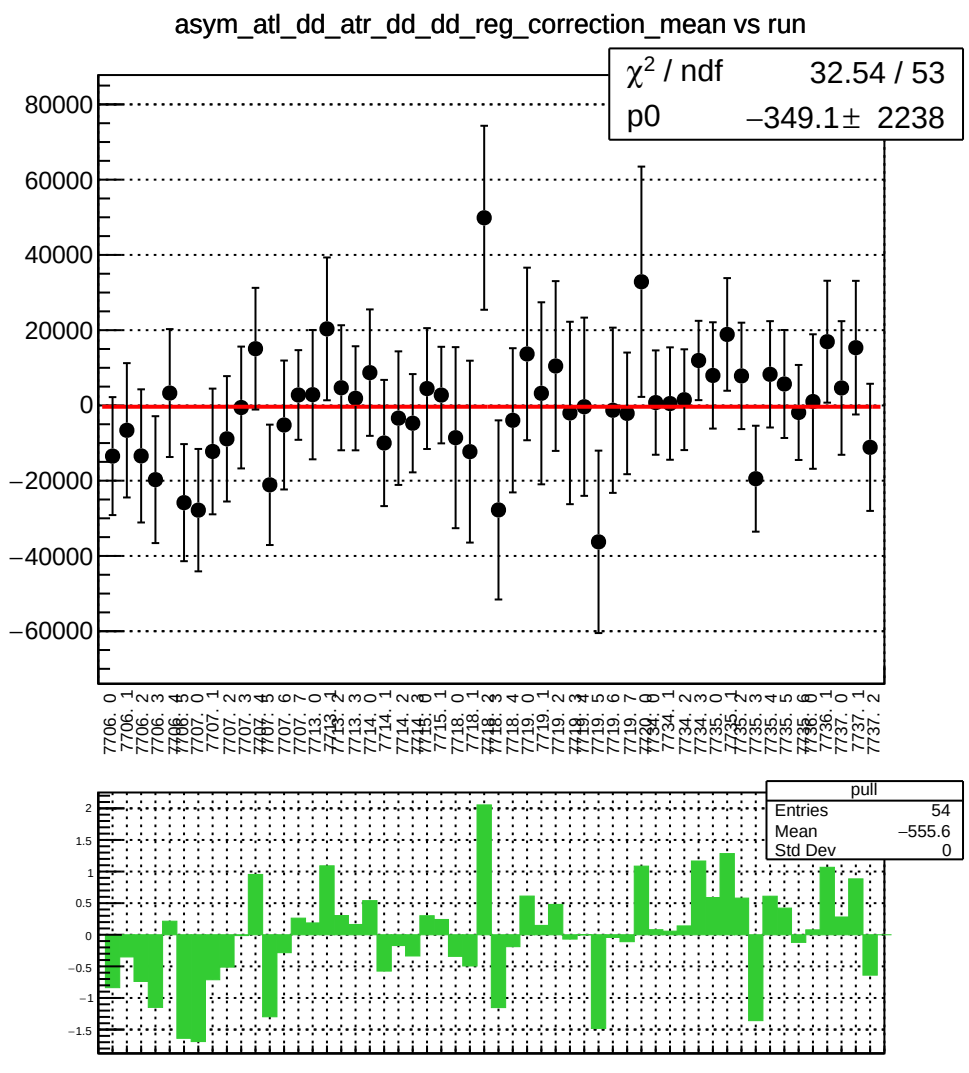

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.87 / 53
p0 1.262e−14 ± 6.916e−14
pull
Entries 54
Mean 166.7
Std Dev 0
pull1D
Entries 54
Mean 0.01032
Std Dev 1.035

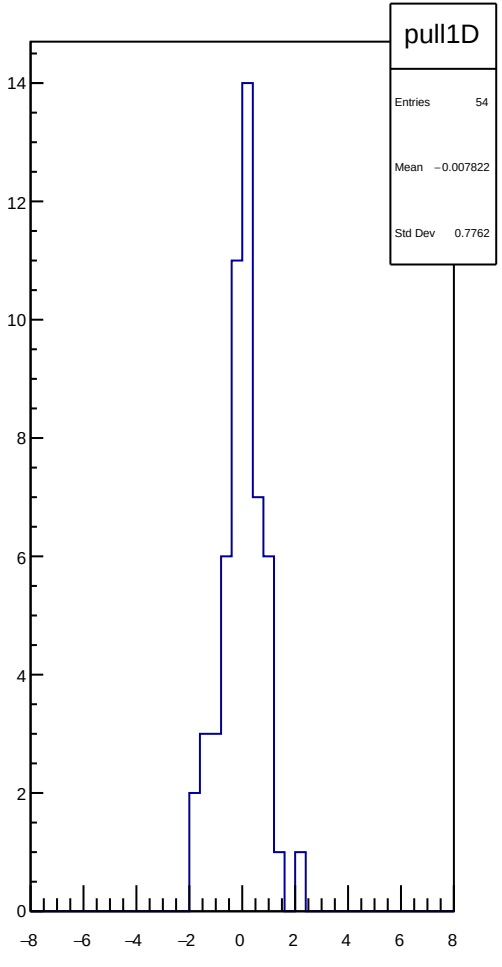

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.202e+05 / 53
p0 3.25e−11 ± 4.89e−14
0.5
0.4
0.3
0.2
0.1

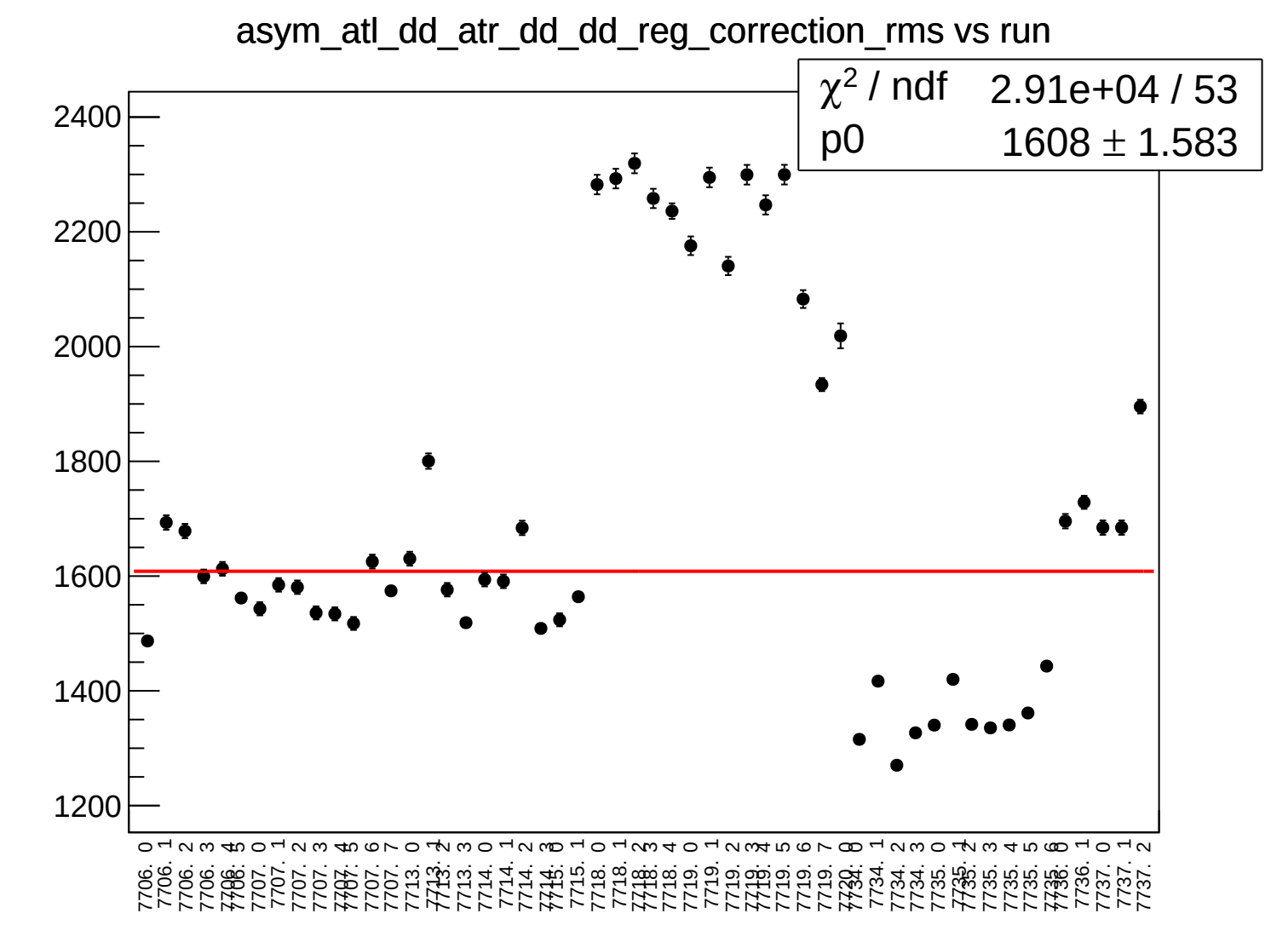

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.6
Std Dev 0

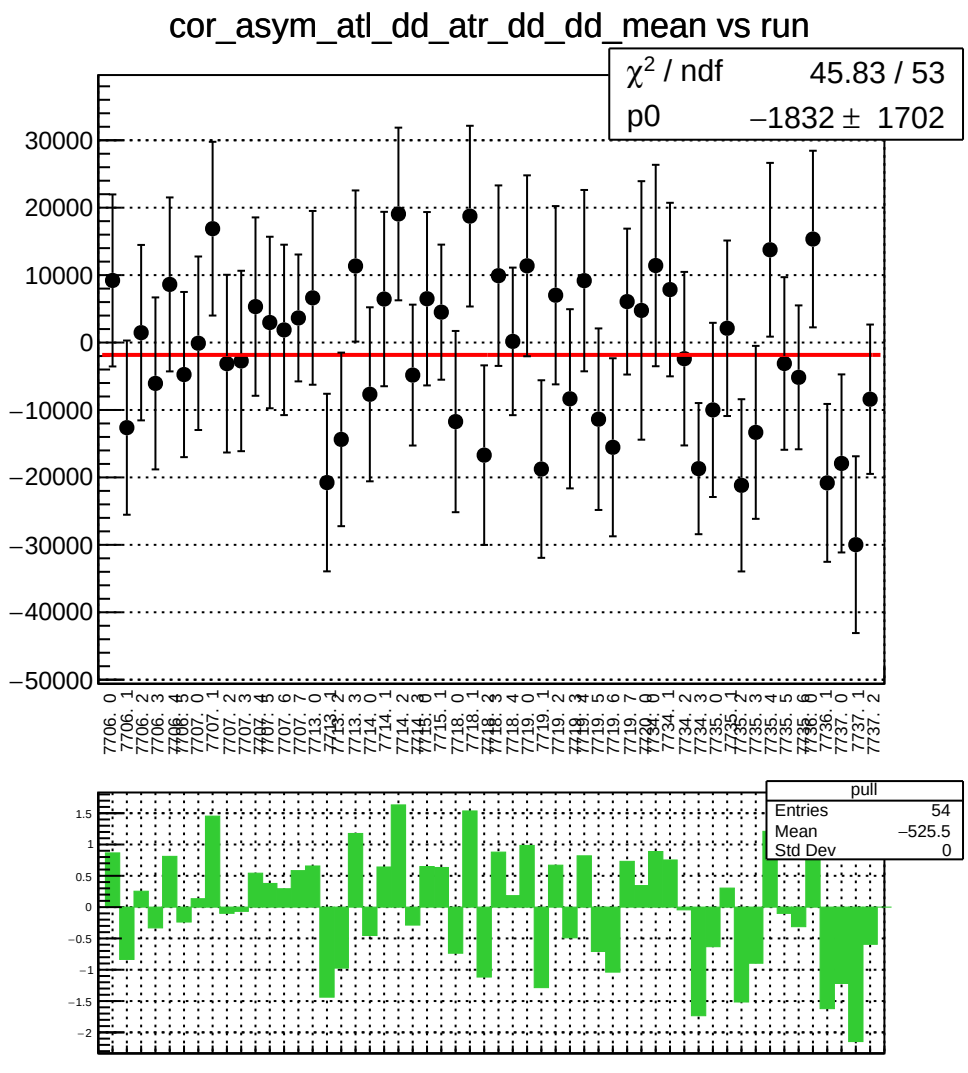

pull1D
Entries 54
Mean 0.007477
Std Dev 0.9212

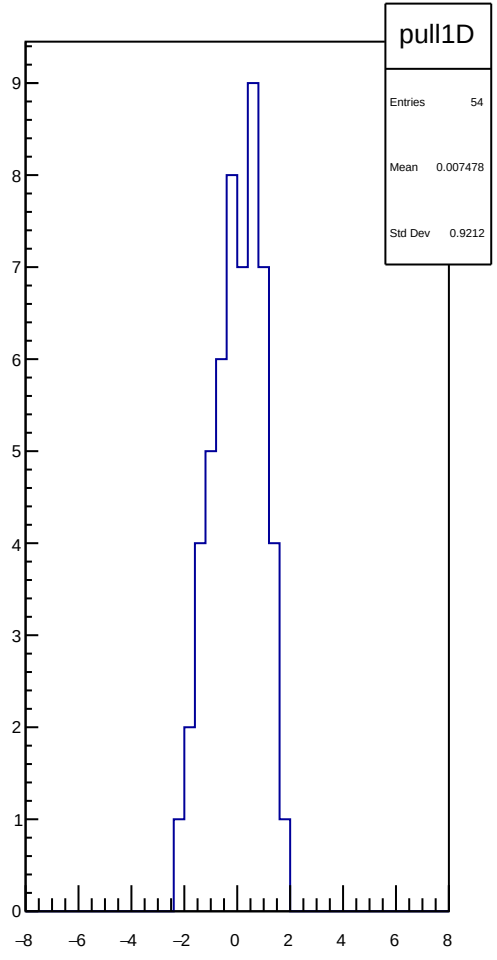

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200

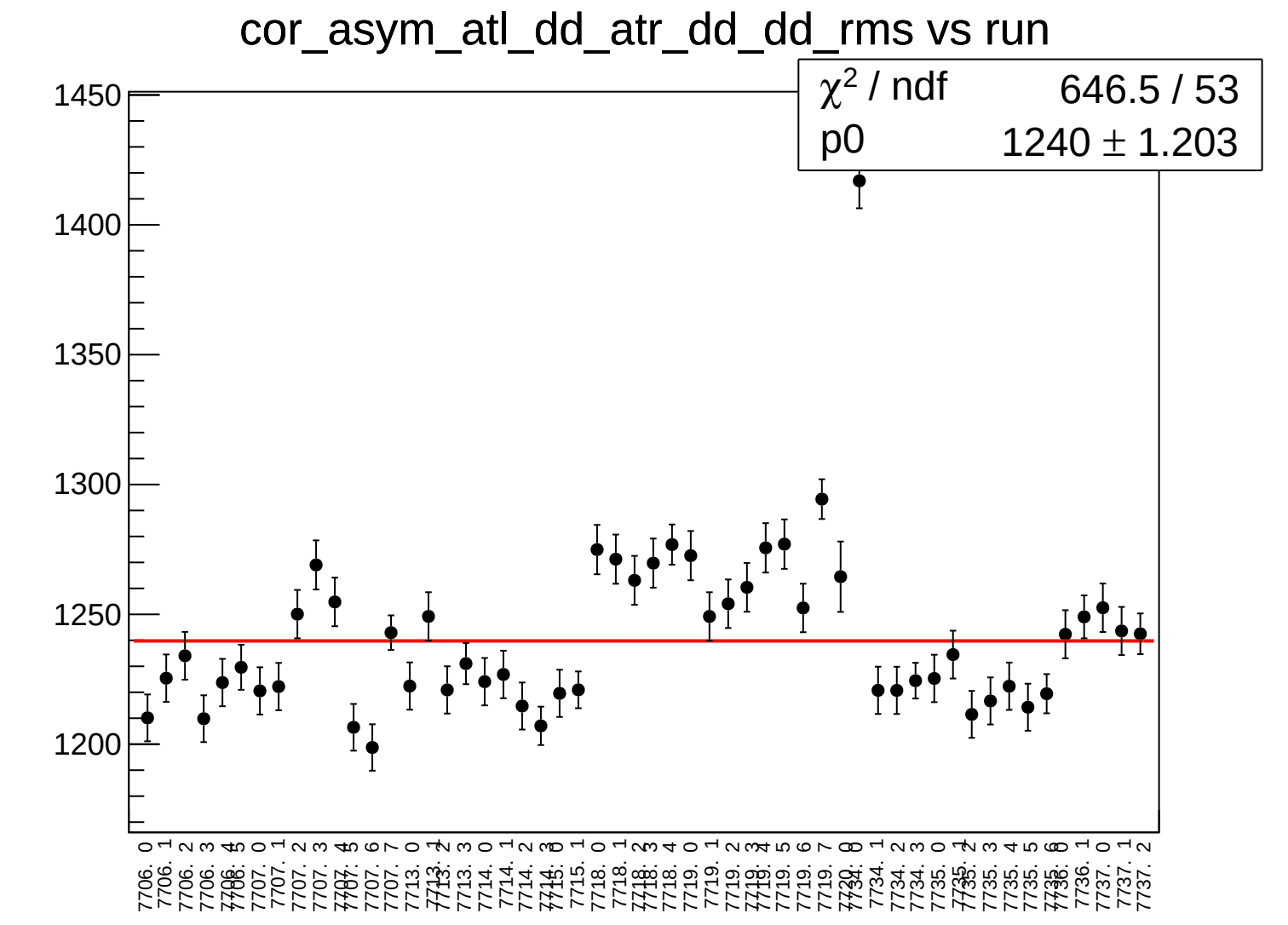

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.1± 2238
pull
Entries 54
Mean −555.6
Std Dev 0

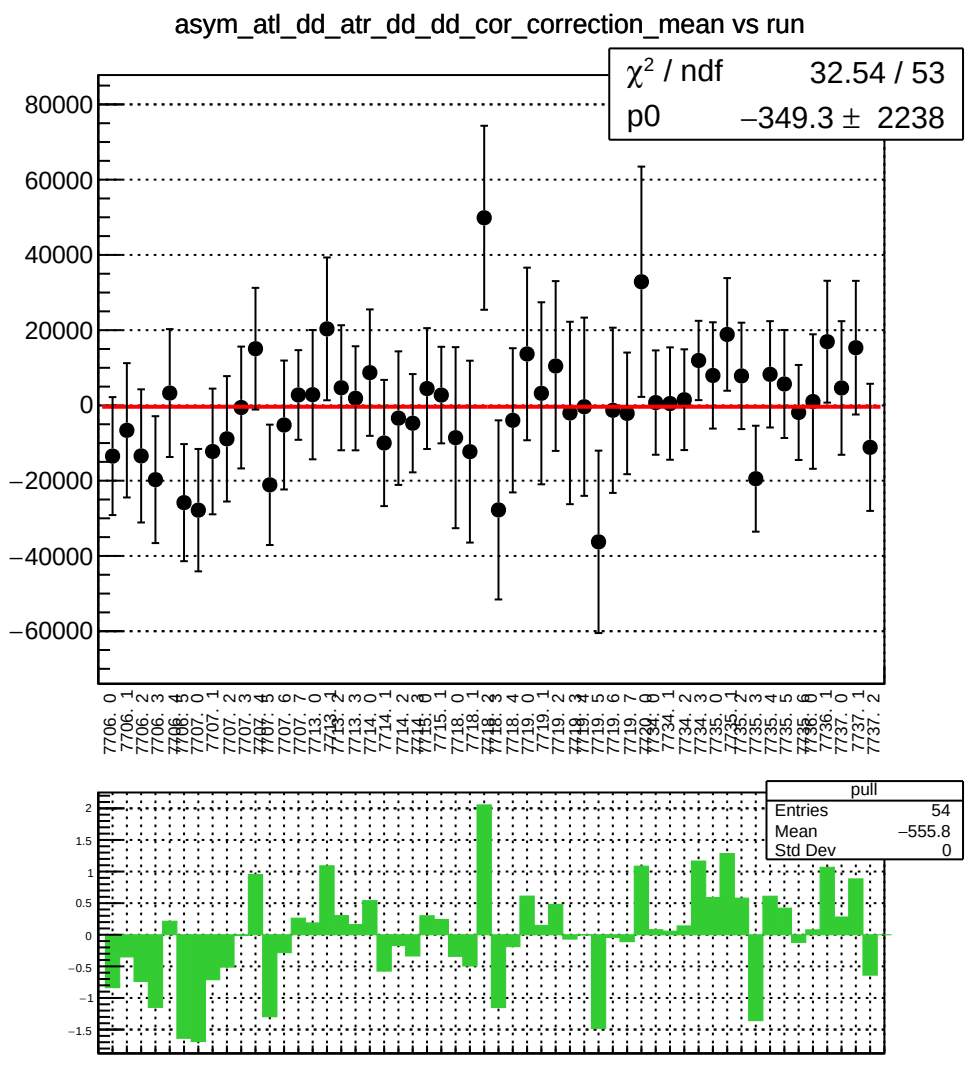

pull1D
Entries 54
Mean −0.007822
Std Dev 0.7762

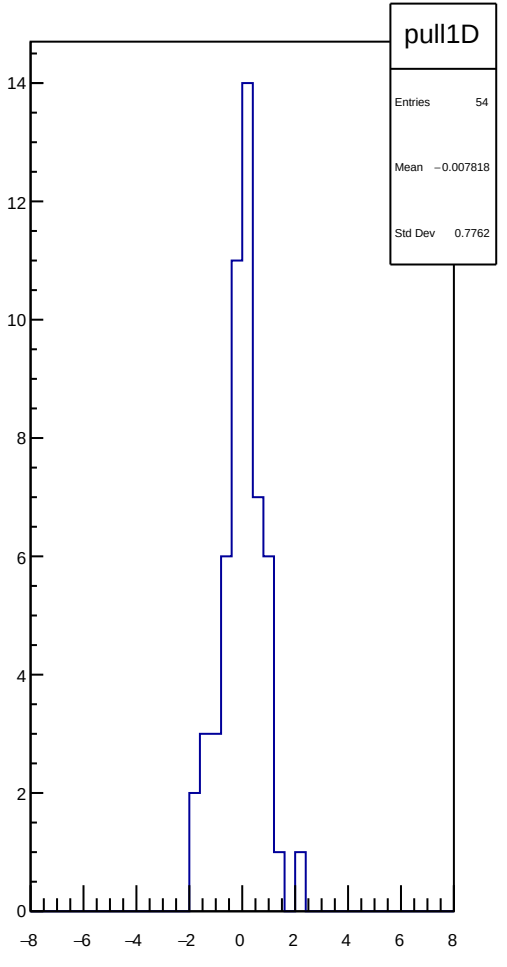

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

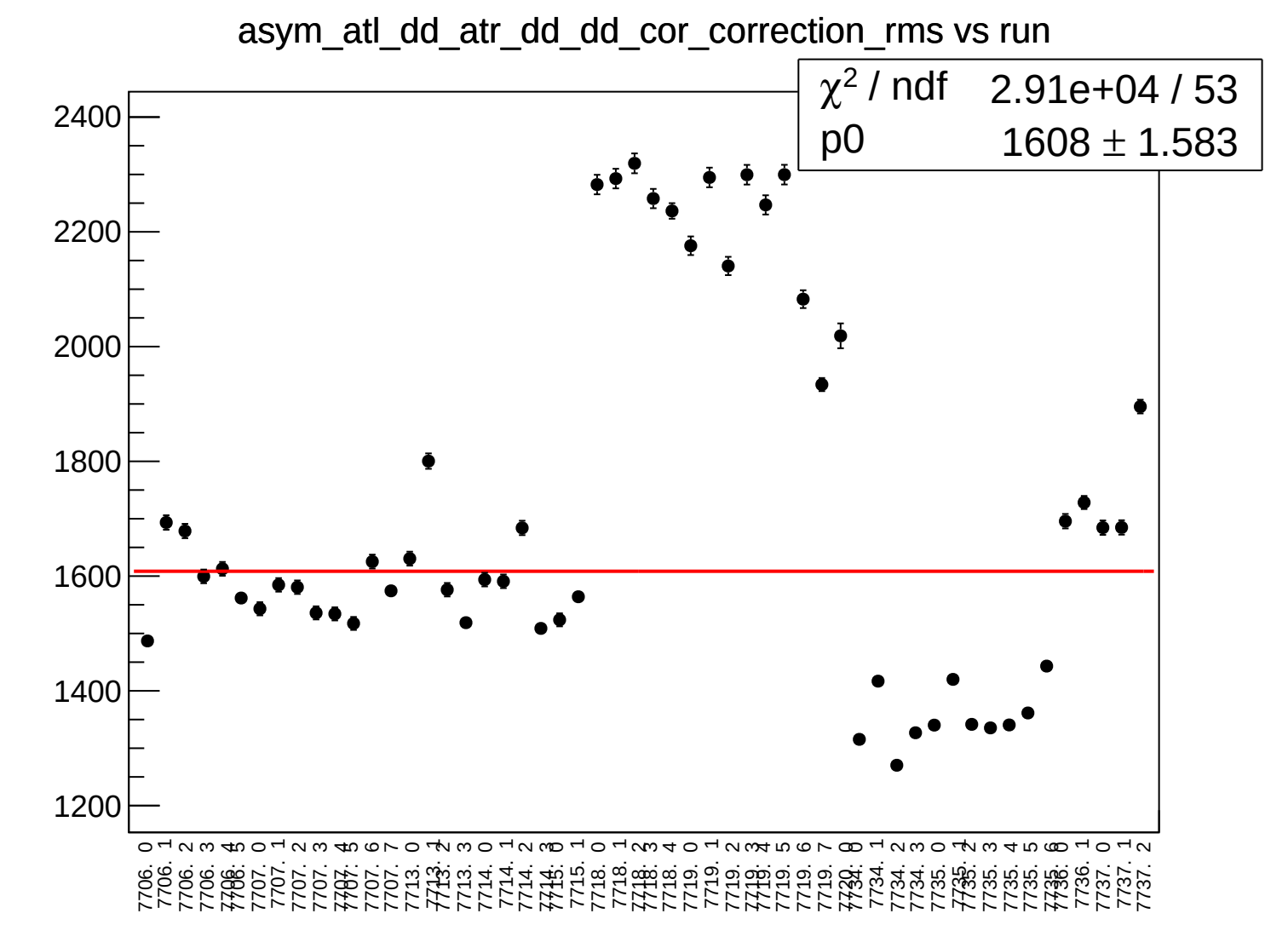

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.5
Std Dev 0

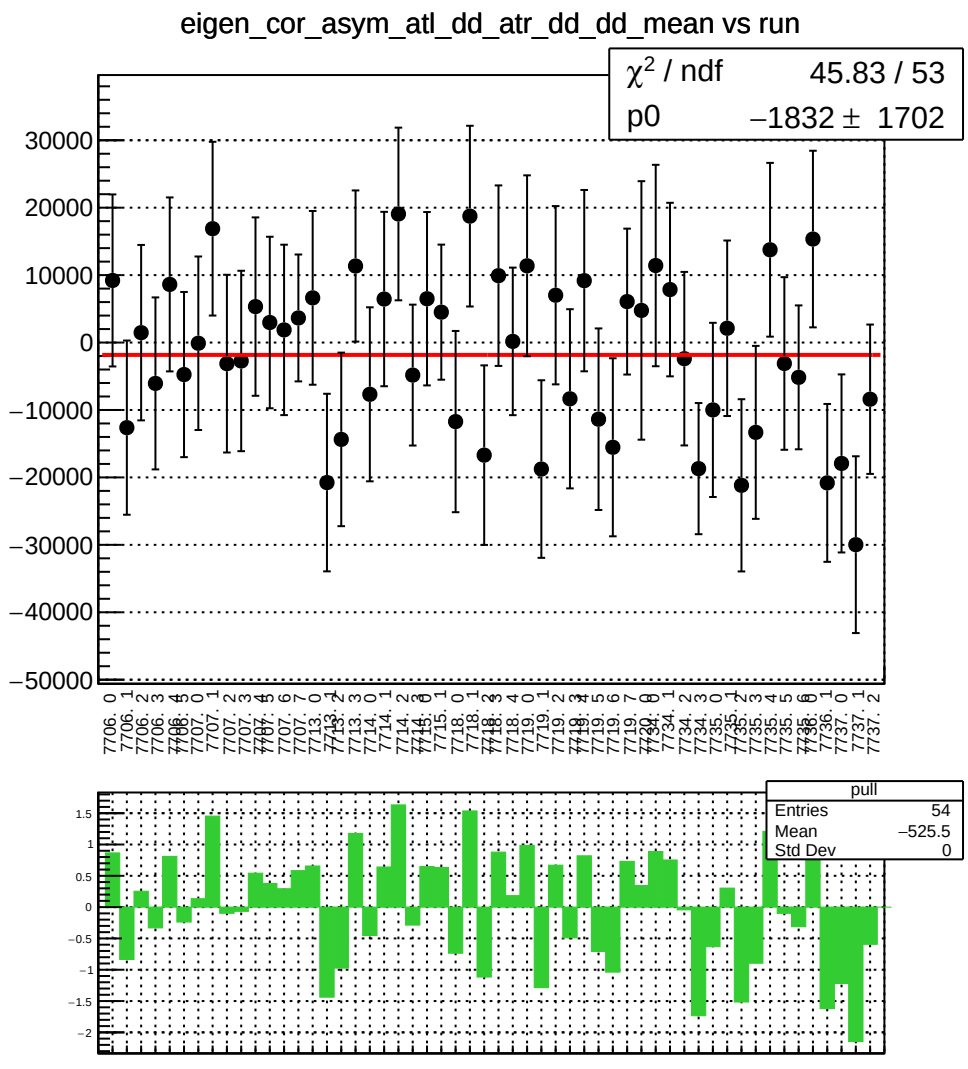

pull1D
Entries 54
Mean 0.007478
Std Dev 0.9212

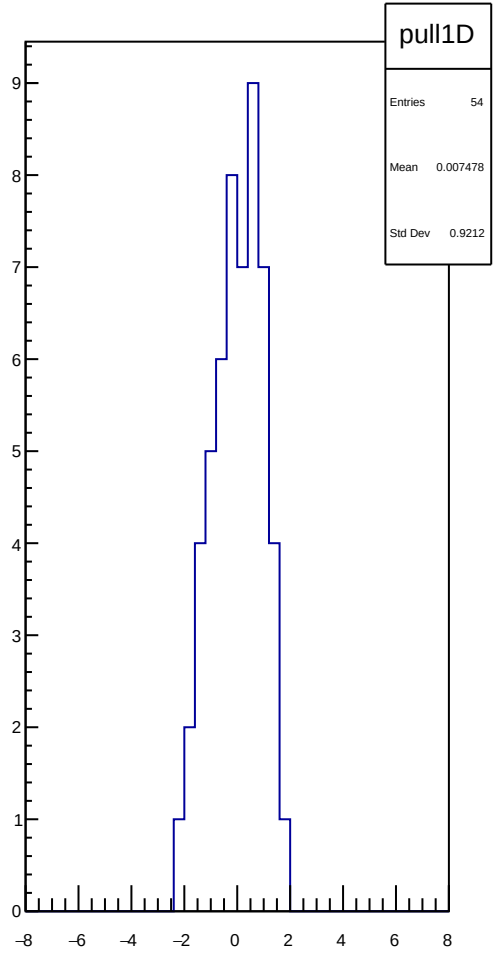

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200

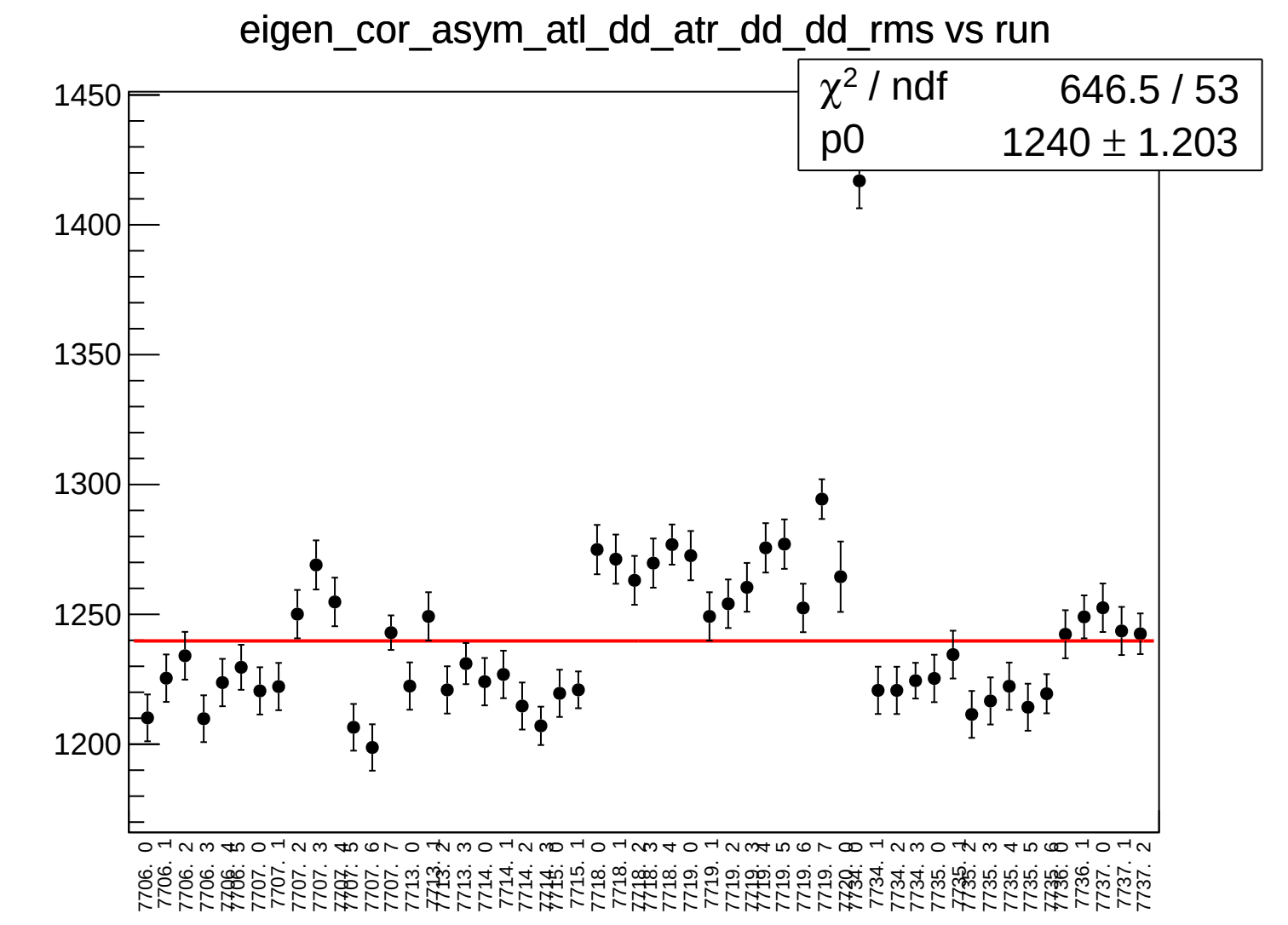

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.3 ± 2238
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −555.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

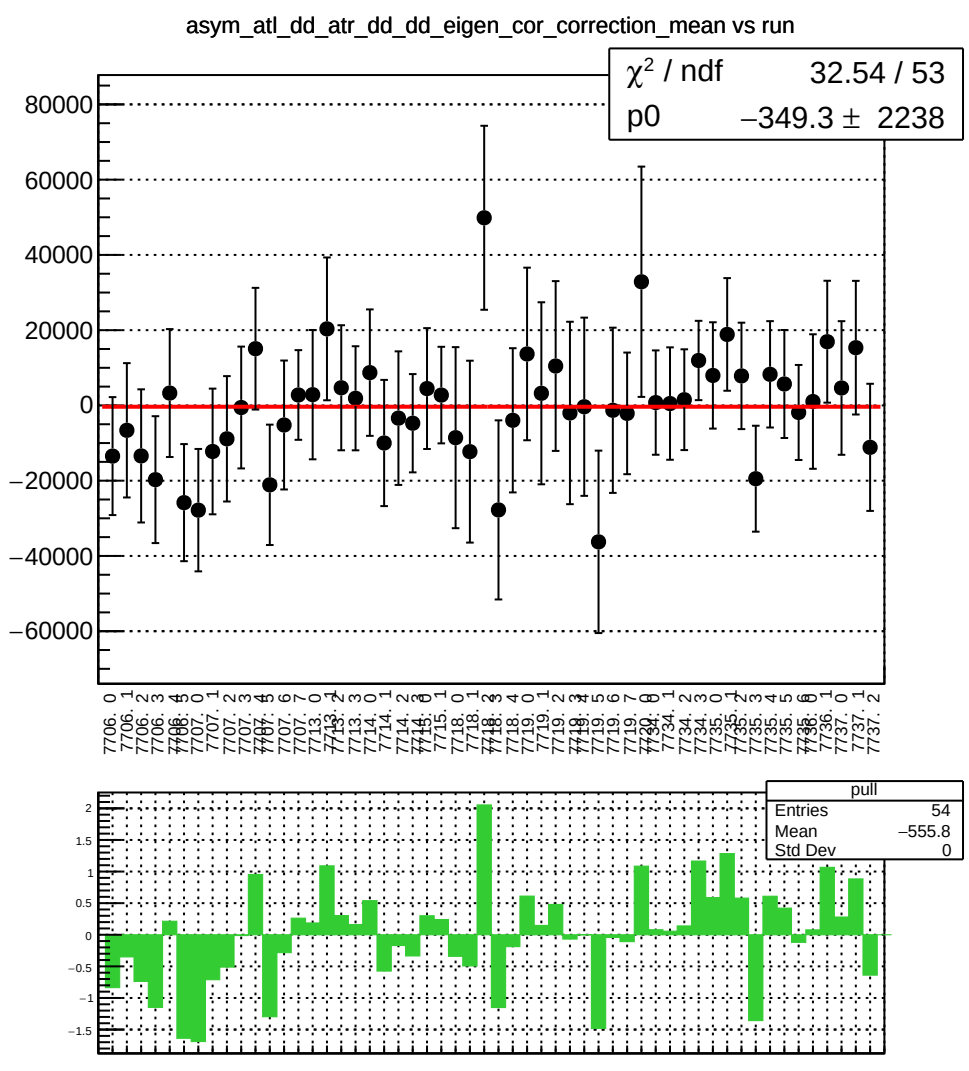

pull1D
Entries 54
Mean −0.007818
Std Dev 0.7762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

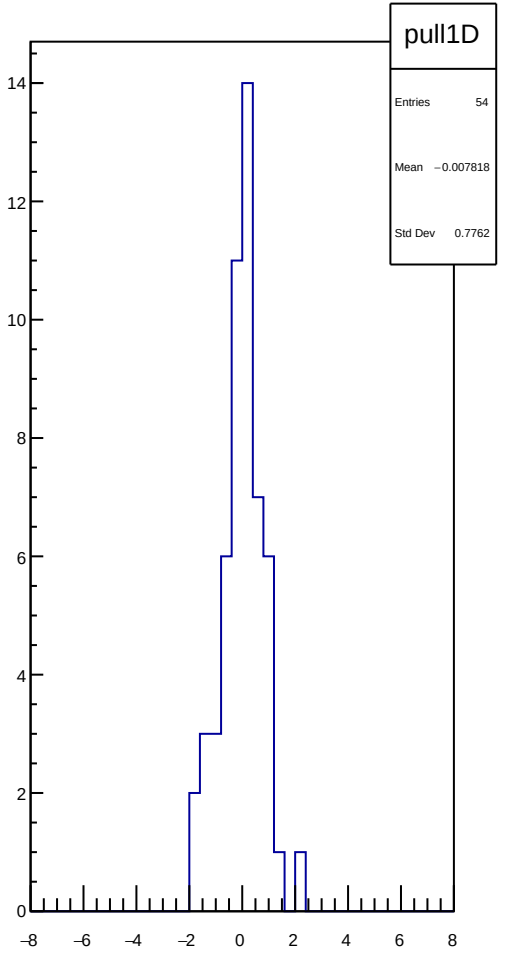

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

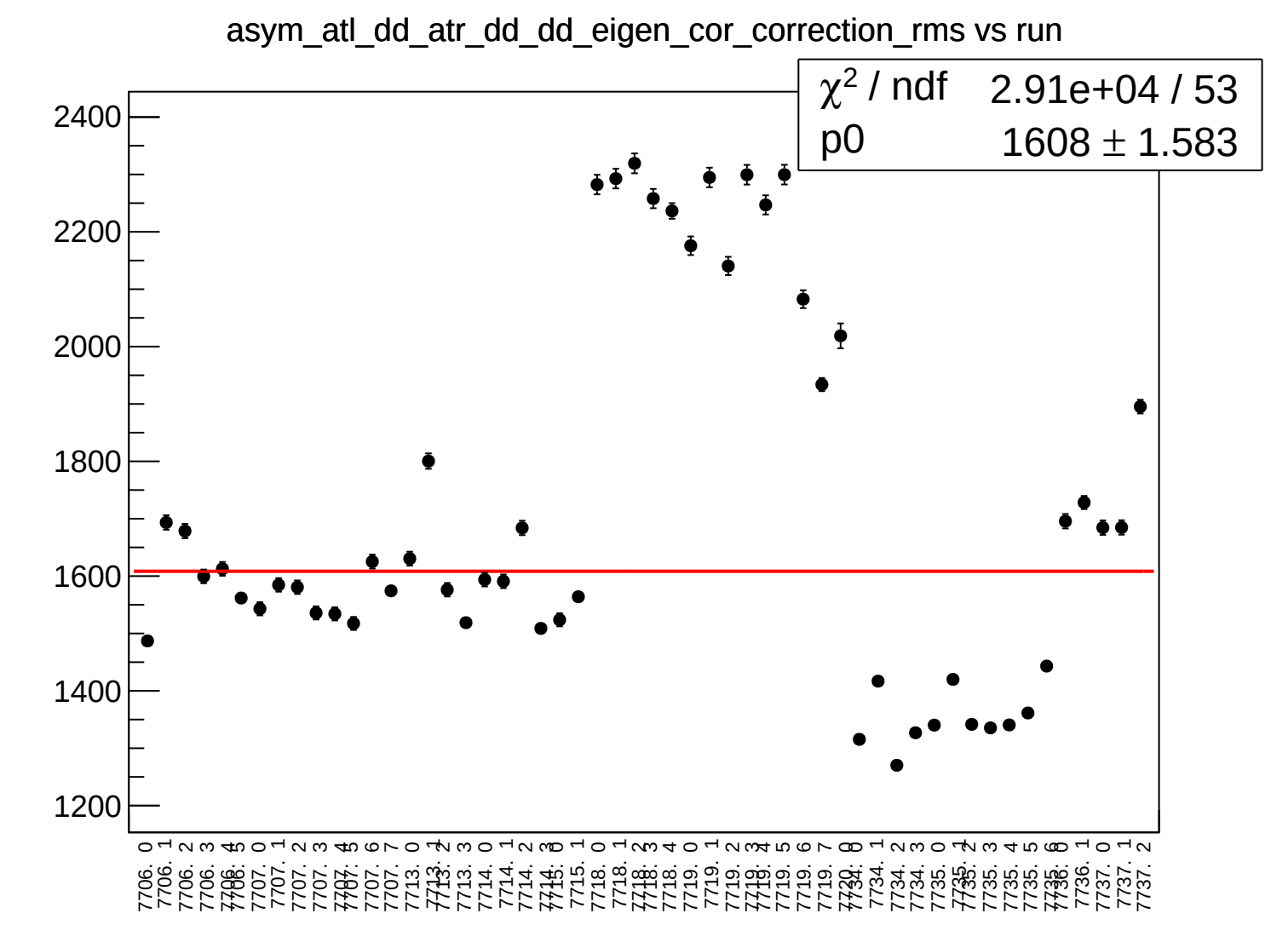

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.5
Std Dev 0

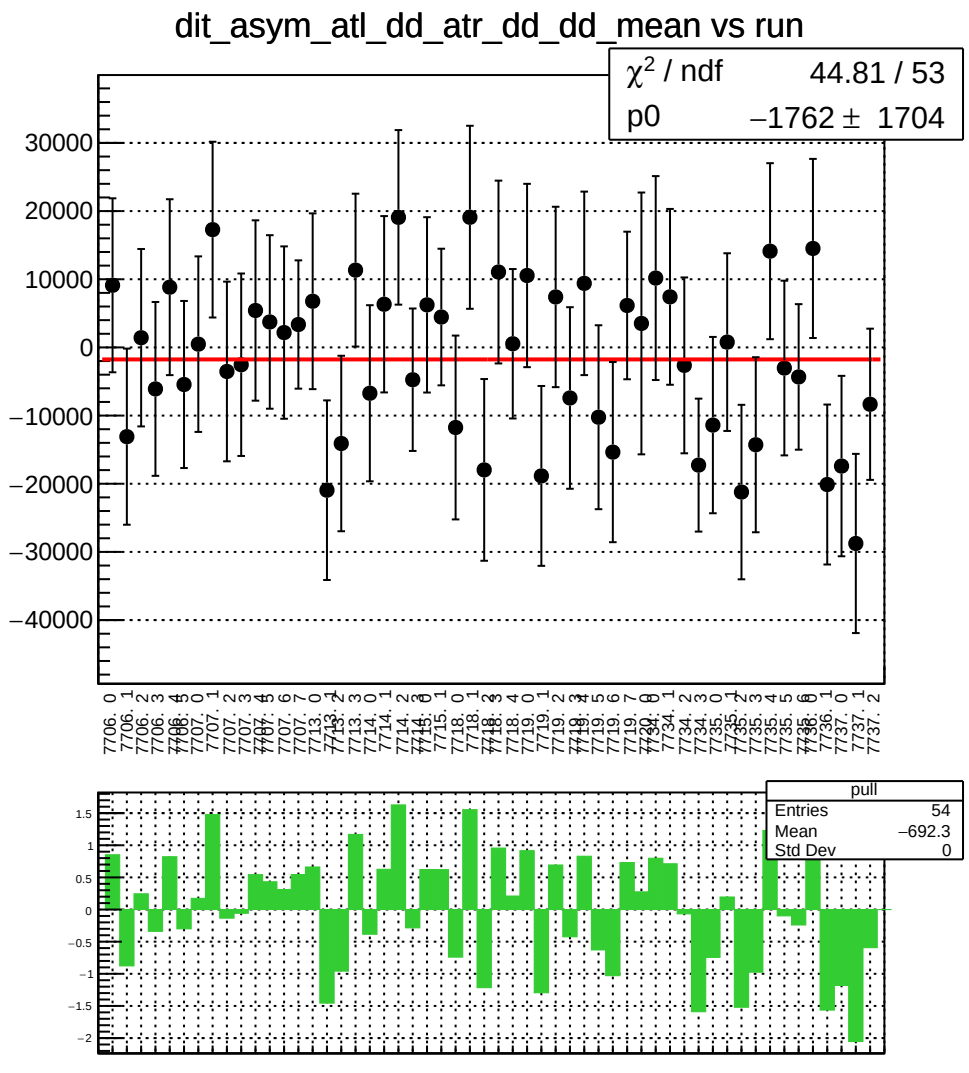

pull1D
Entries 54
Mean 0.007478
Std Dev 0.9212

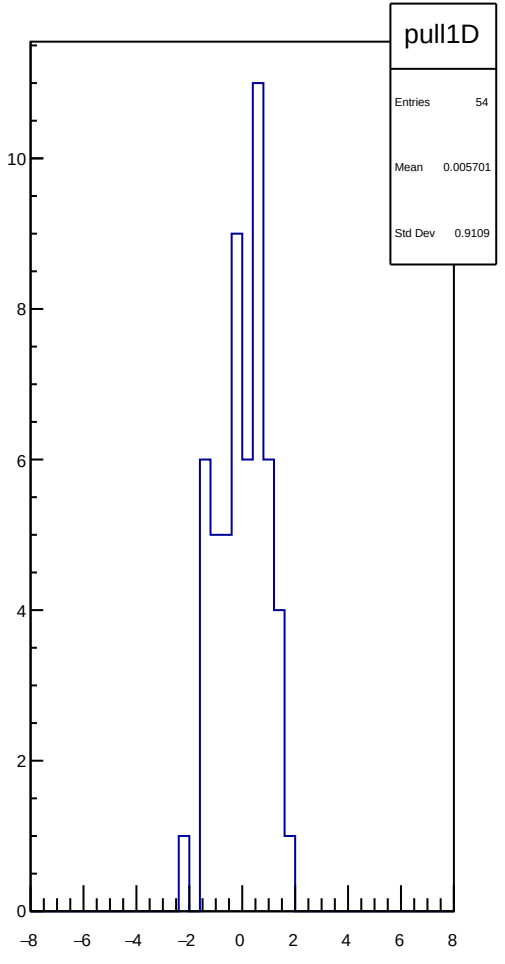

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200

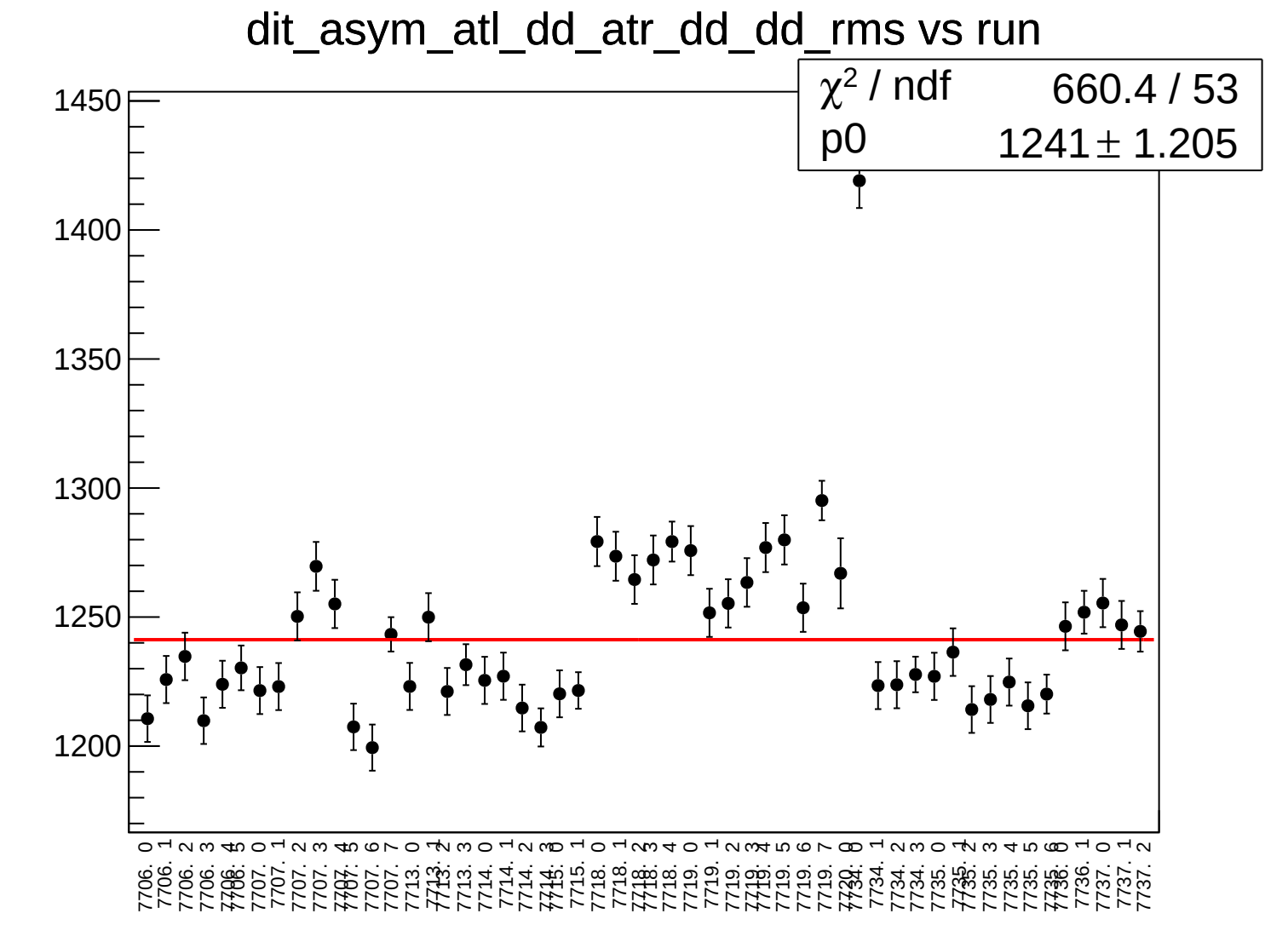

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.3 ± 2238
pull
Entries 54
Mean −555.8
Std Dev 0

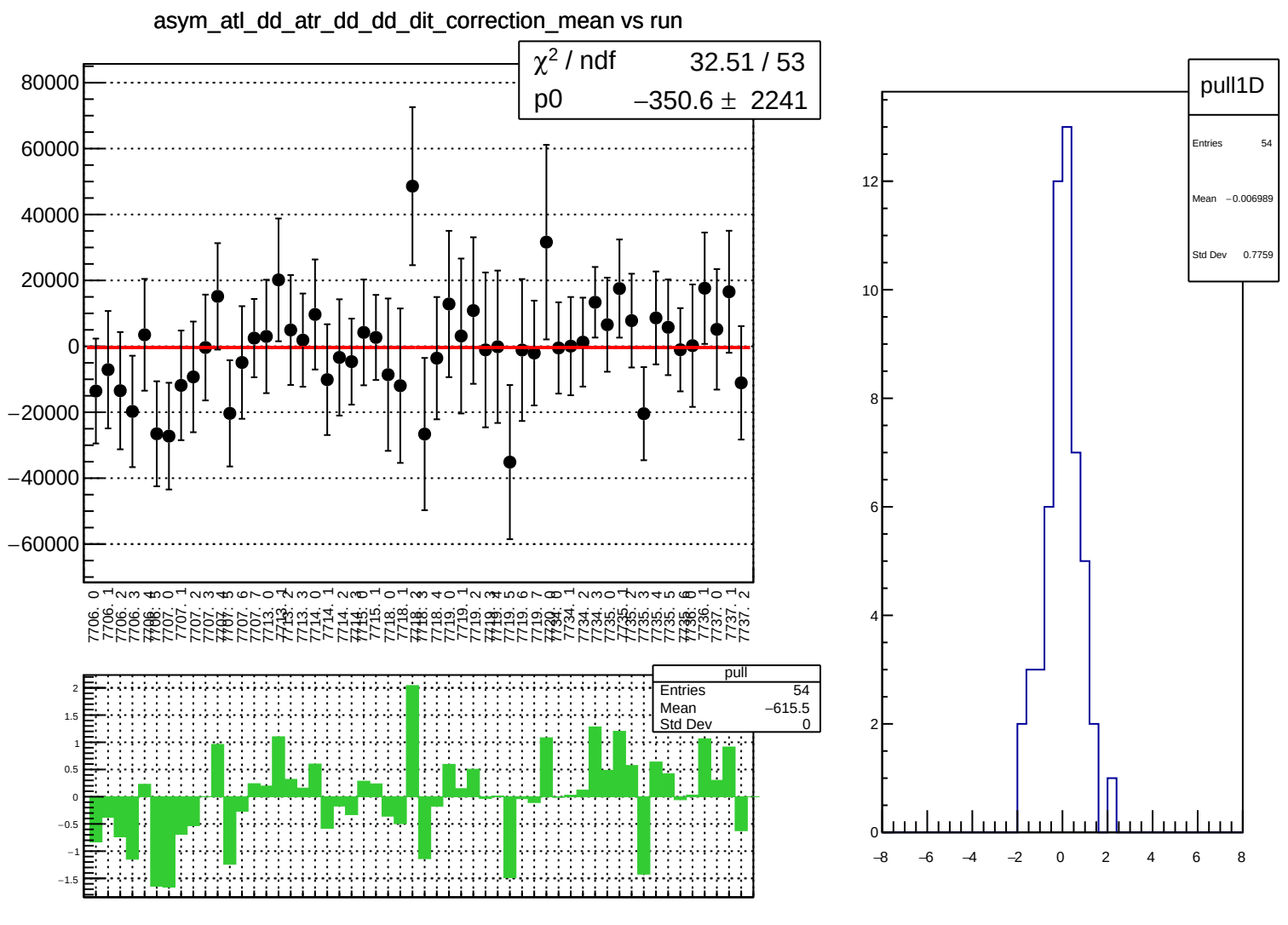

pull1D
Entries 54
Mean −0.007818
Std Dev 0.7762

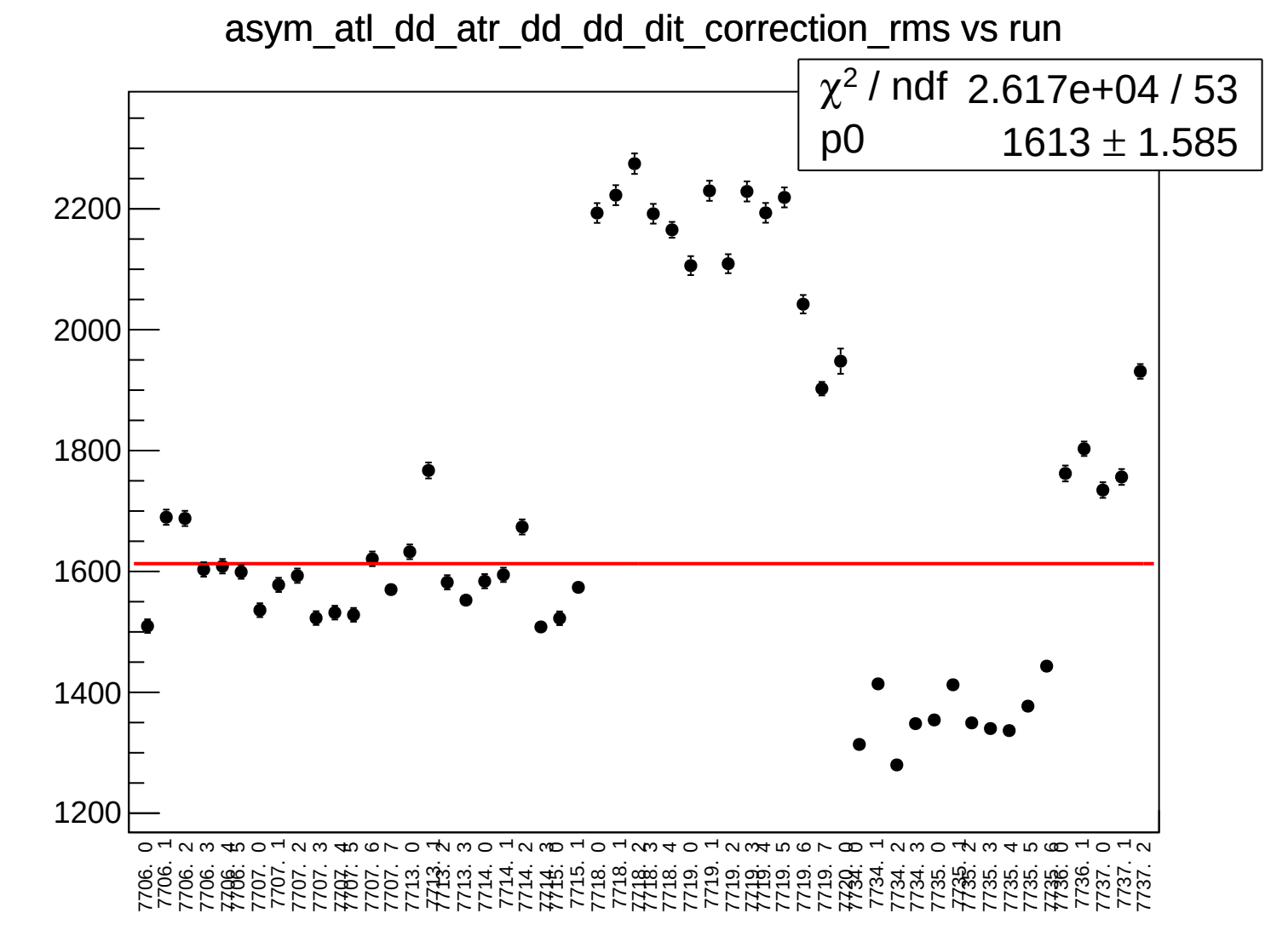

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

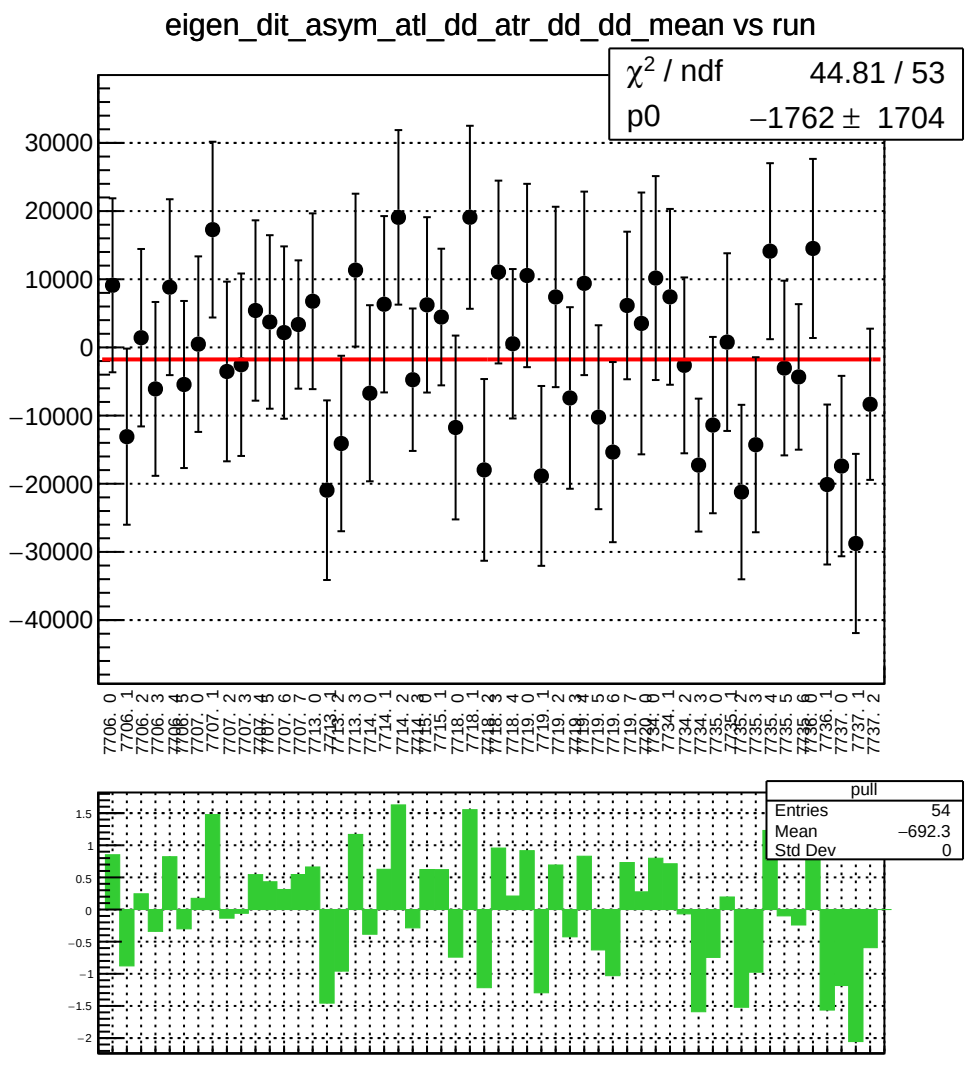

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 44.81 / 53
p0 −1762 ± 1704
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −692.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

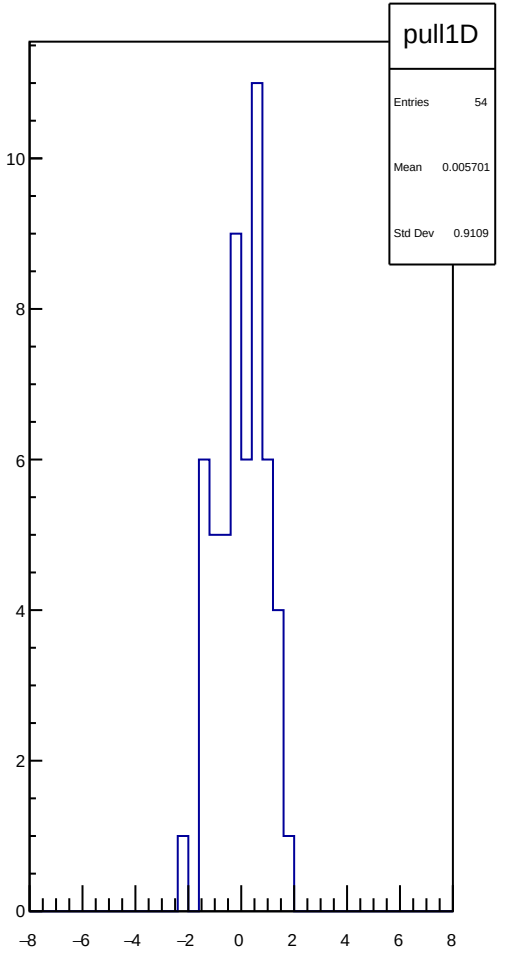

pull1D
Entries 54
Mean 0.005701
Std Dev 0.9109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

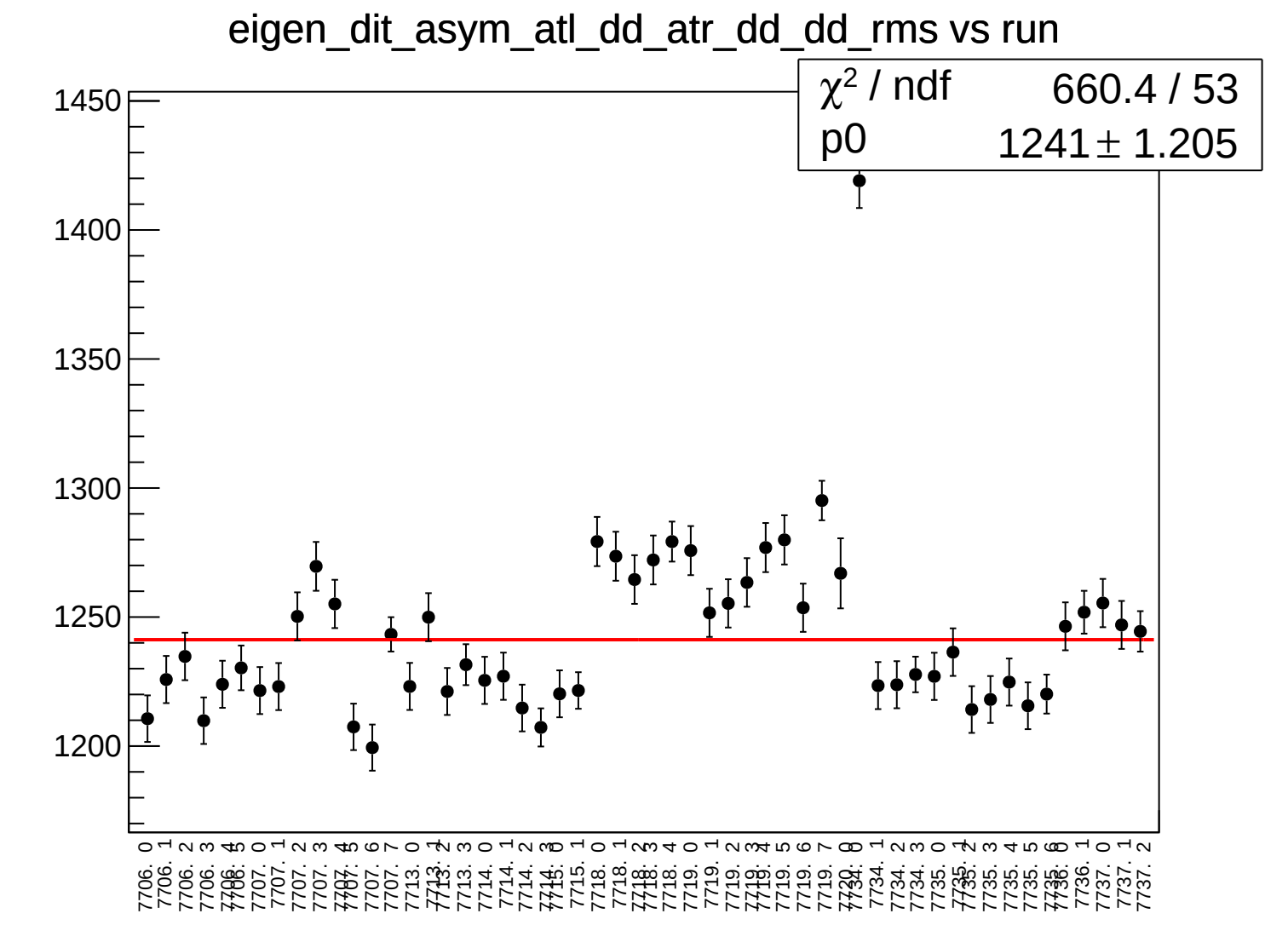

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 660.4 / 53
p0 1241 ± 1.205
1450
1400
1350
1300
1250
1200

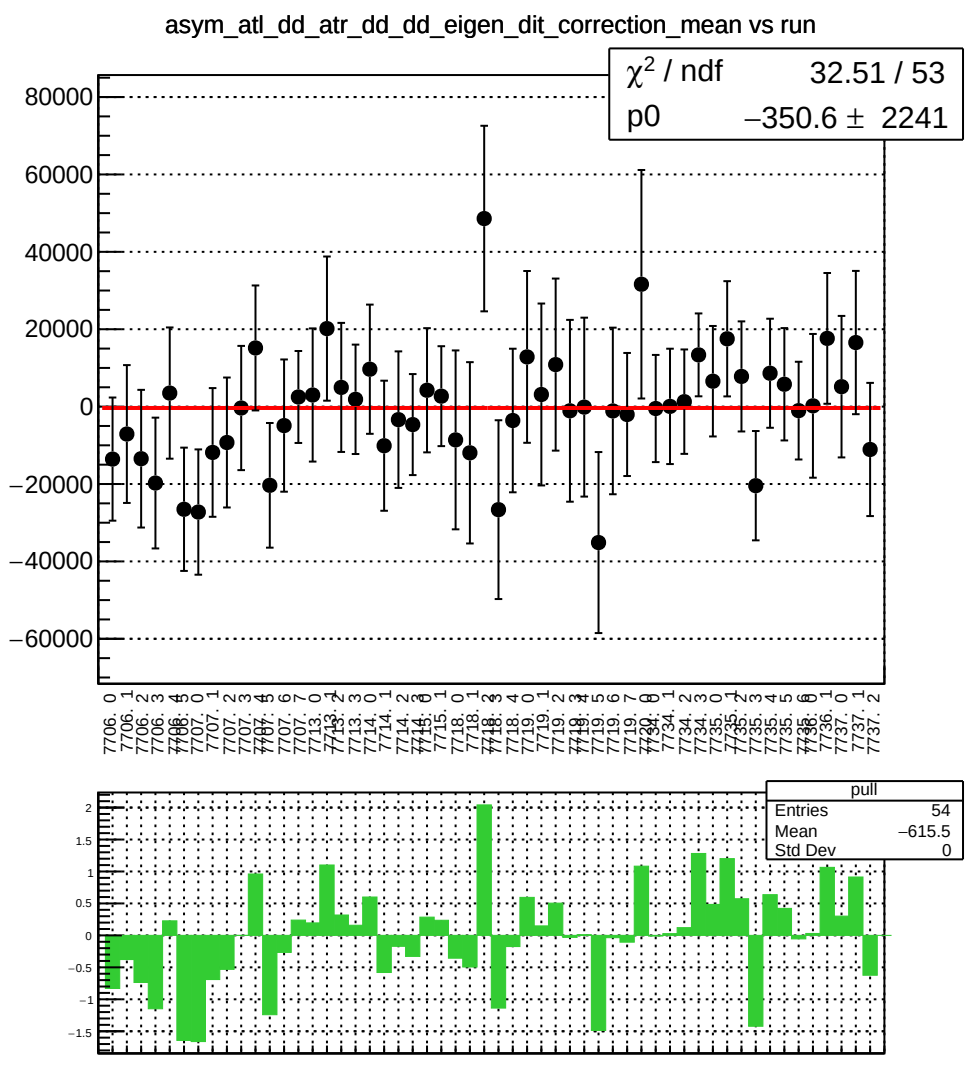

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 32.51 / 53
p0 −350.6 ± 2241
pull
Entries 54
Mean −615.5
Std Dev 0
pull1D
Entries 54
Mean −0.006989
Std Dev 0.7759

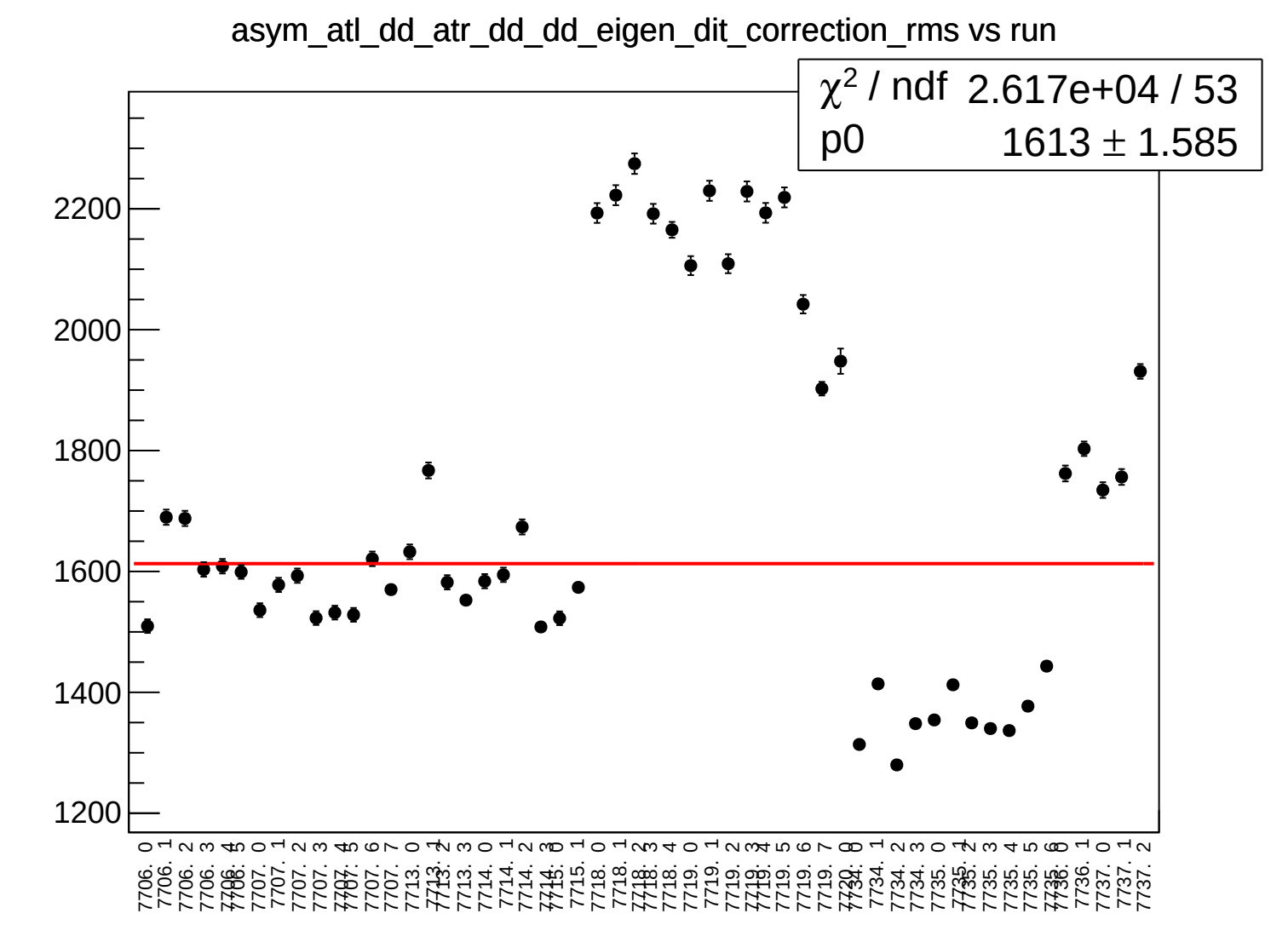

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 53
p0 1613 ± 1.585
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

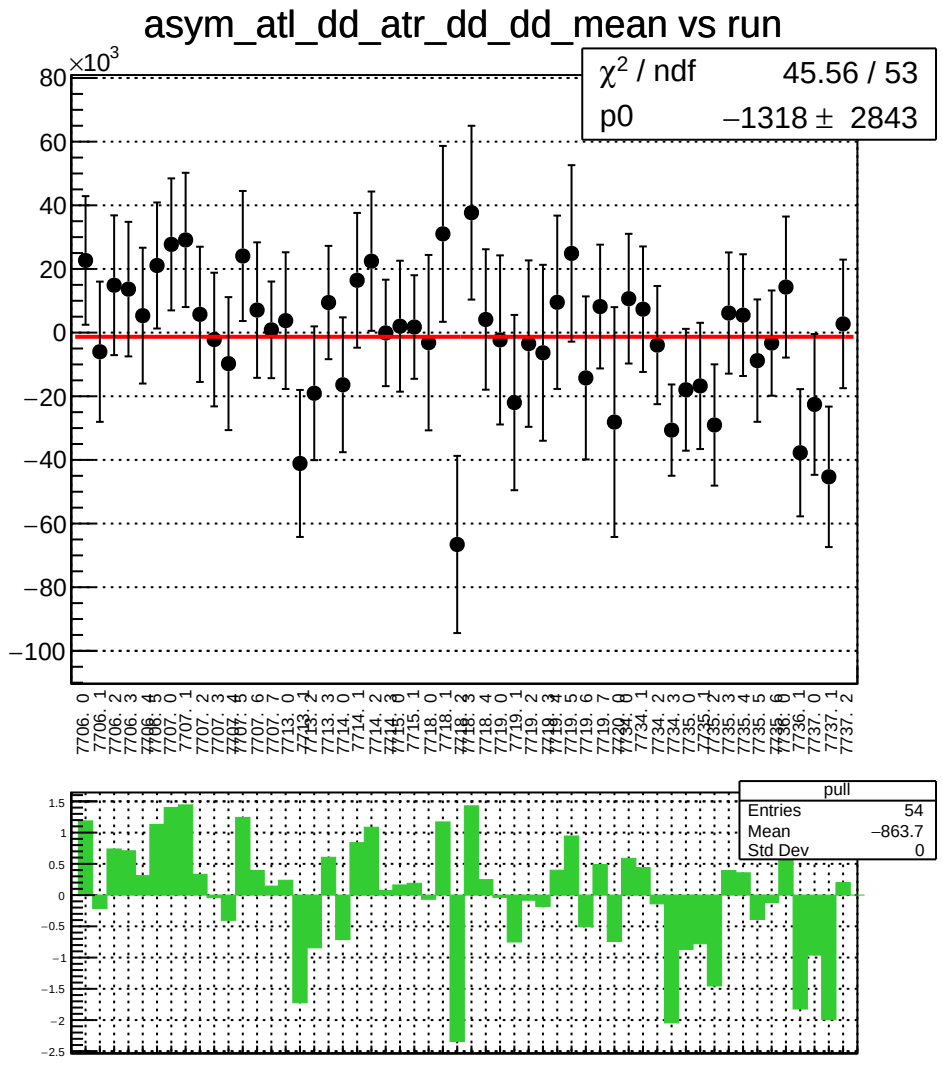

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 44.81 / 53
p0 −1762 ± 1704
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −692.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

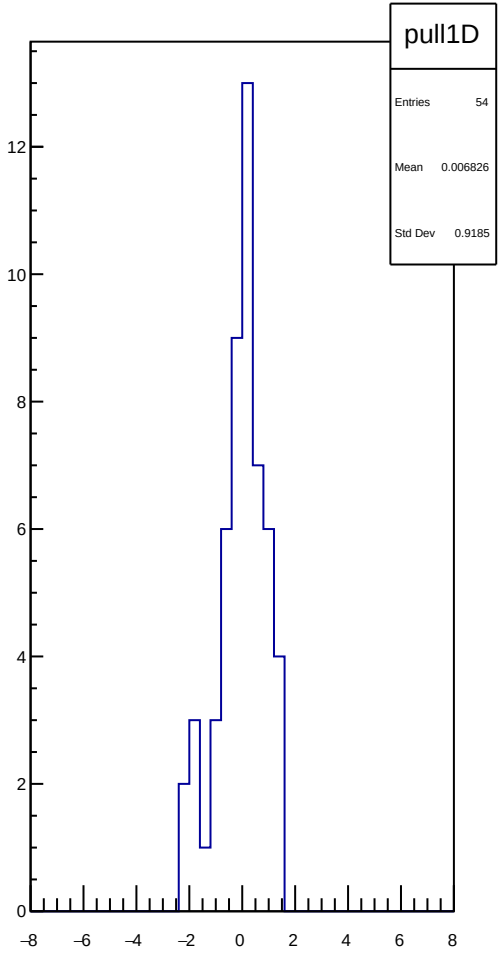

pull1D
Entries 54
Mean 0.005701
Std Dev 0.9109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

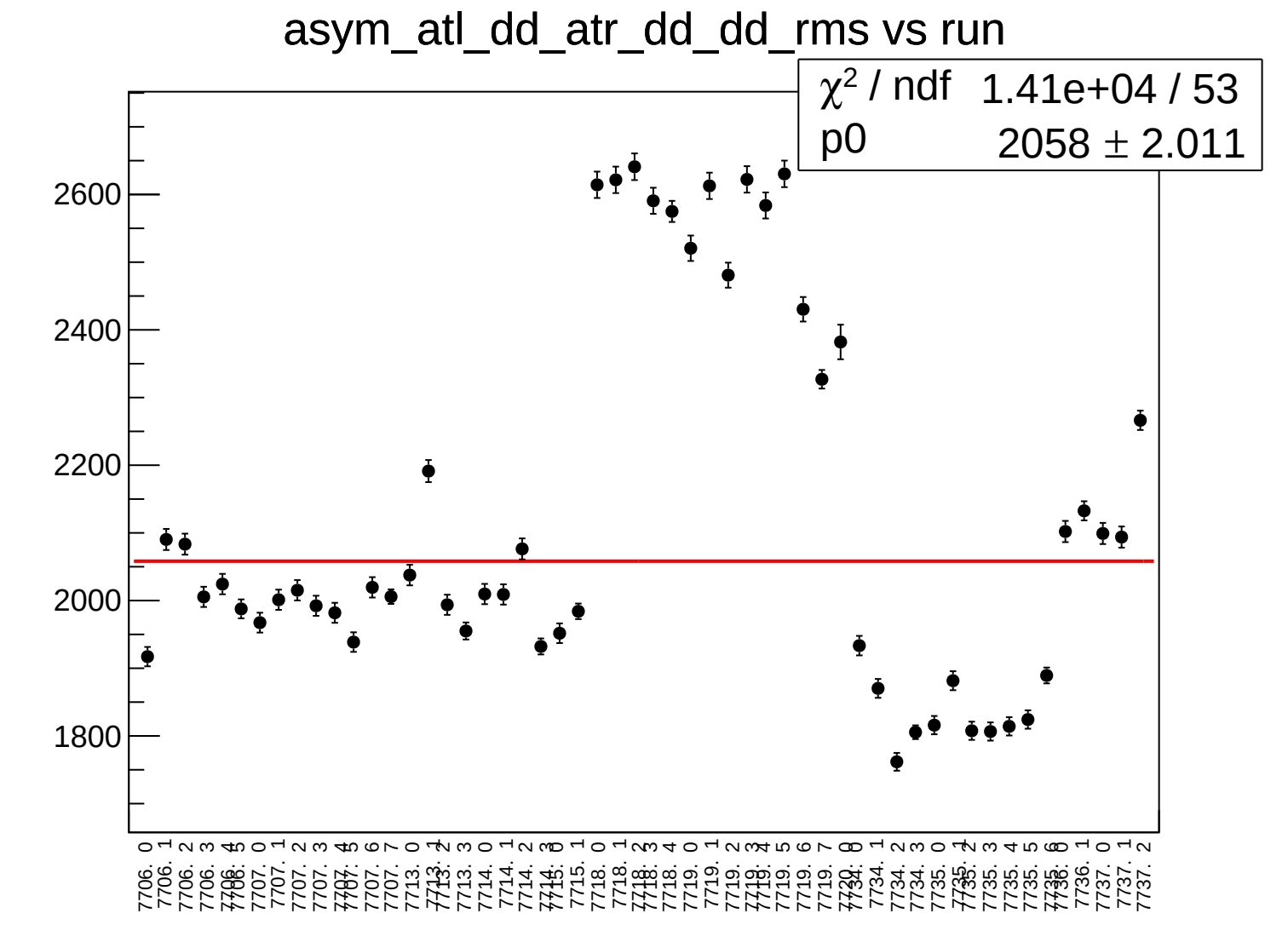

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 660.4 / 53
p0 1241 ± 1.205
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

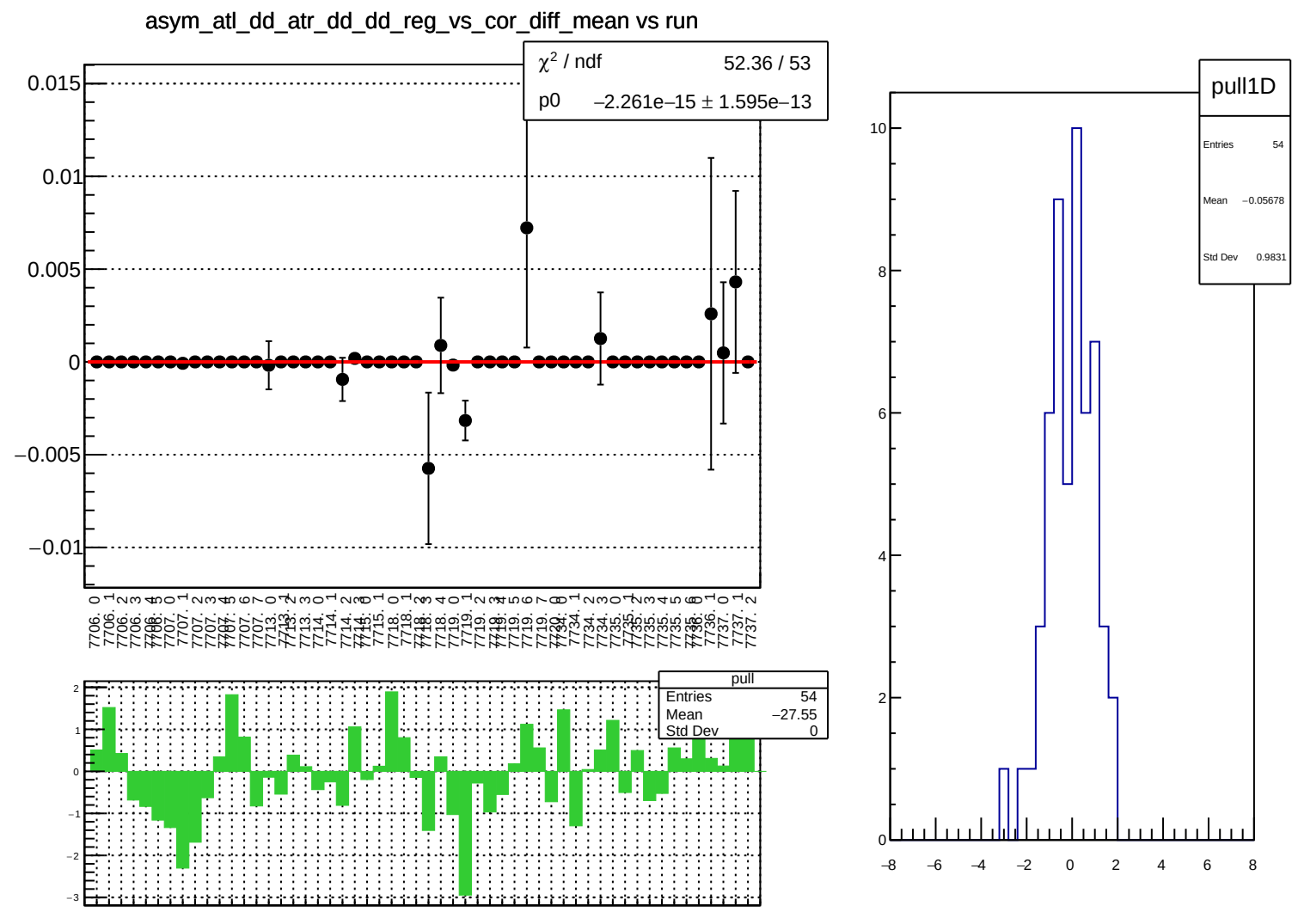

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 32.51 / 53
p0 −350.6 ± 2241
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −615.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.006989
Std Dev 0.7759
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

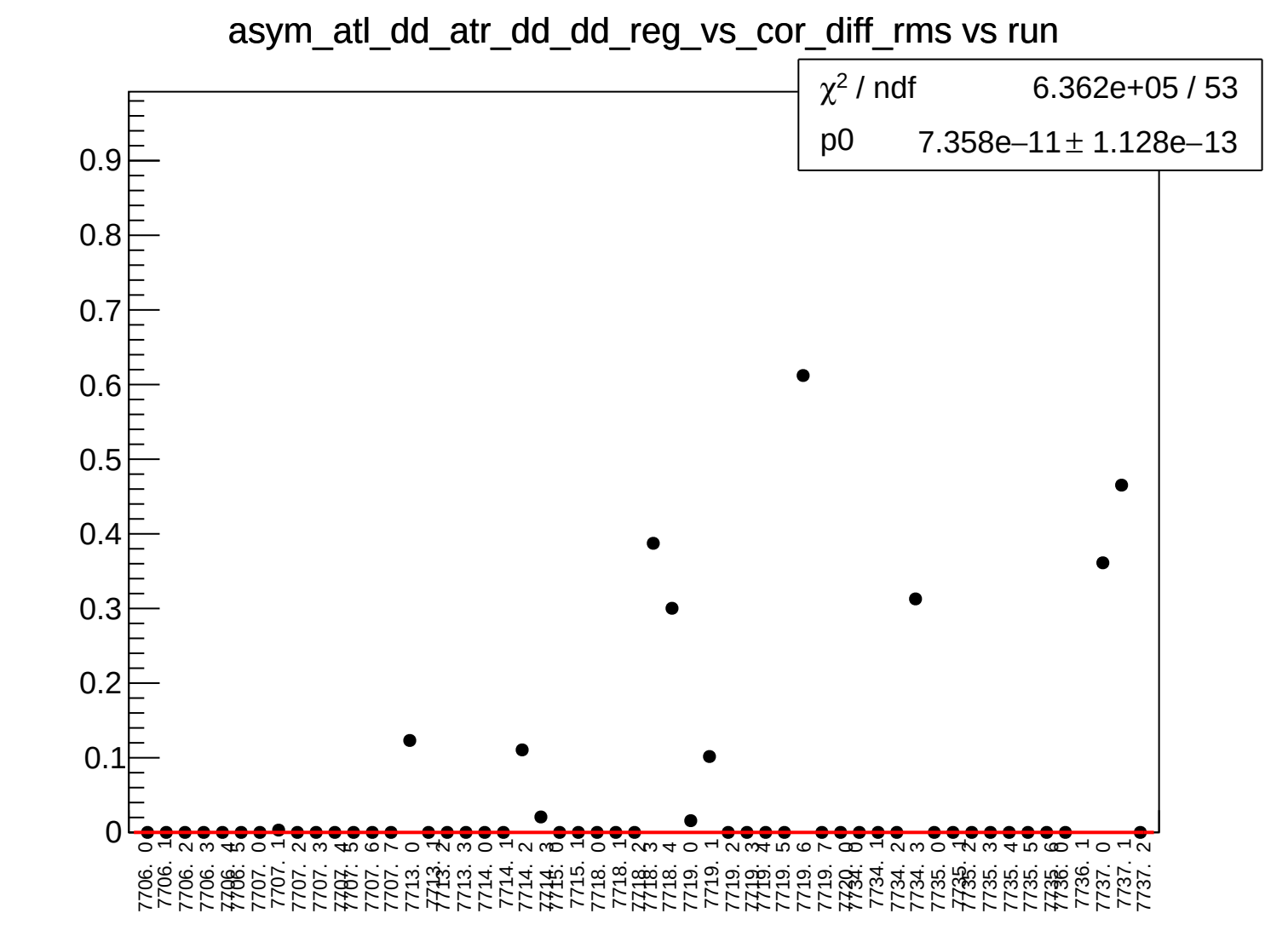

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 53
p0 1613 ± 1.585
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

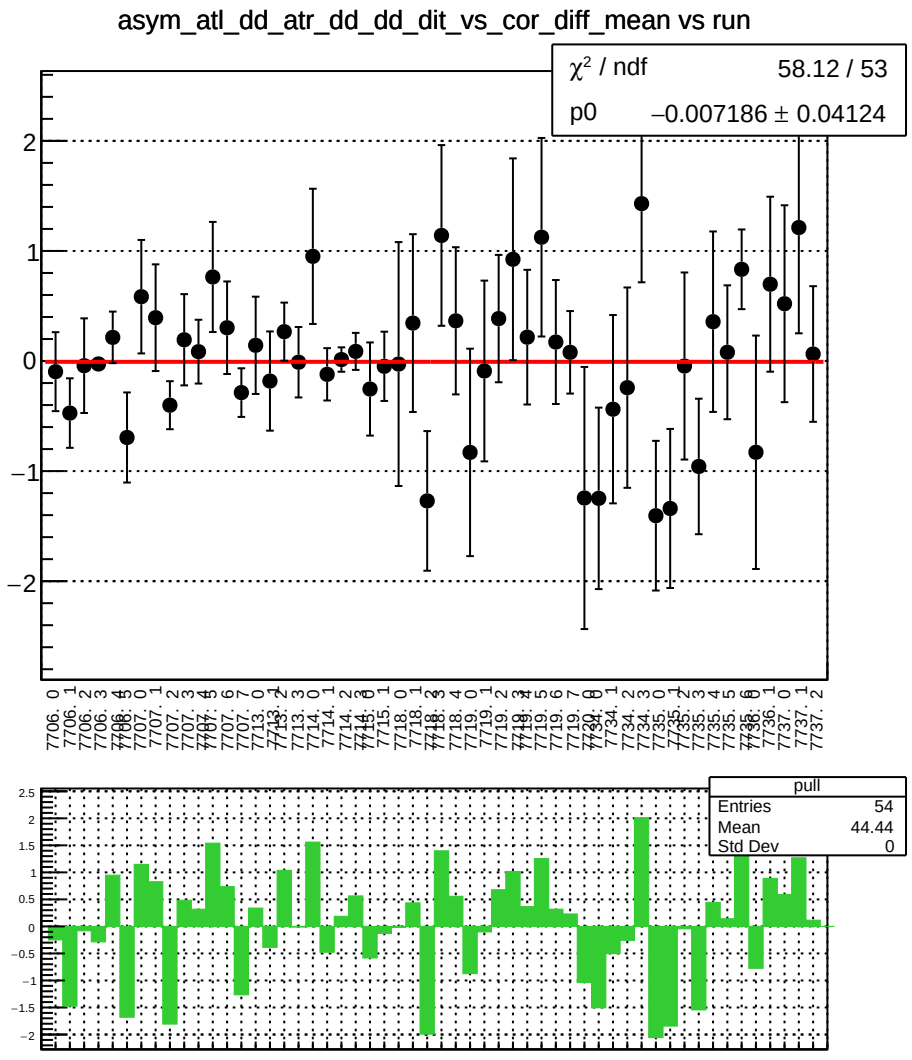

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.56 / 53
p0 −1318 ± 2843
×10³
pull
Entries 54
Mean −863.7
Std Dev 0

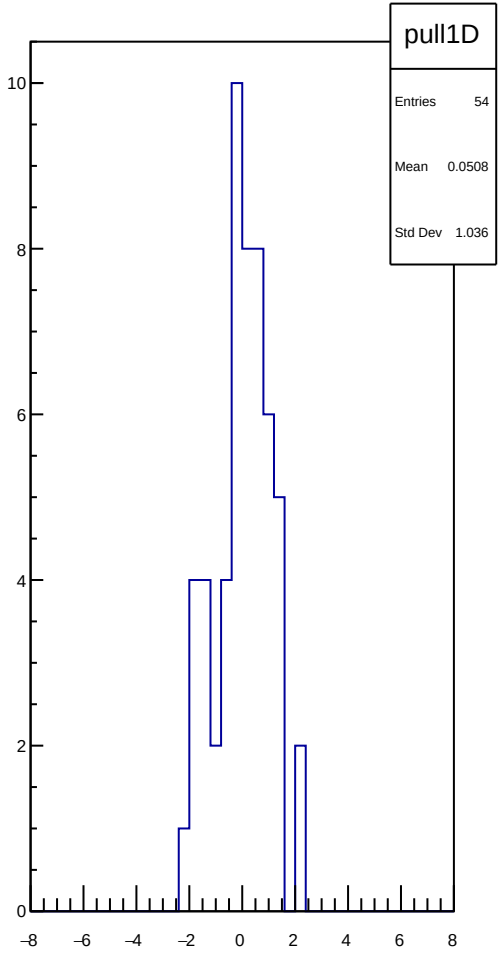

pull1D
Entries 54
Mean 0.006826
Std Dev 0.9185

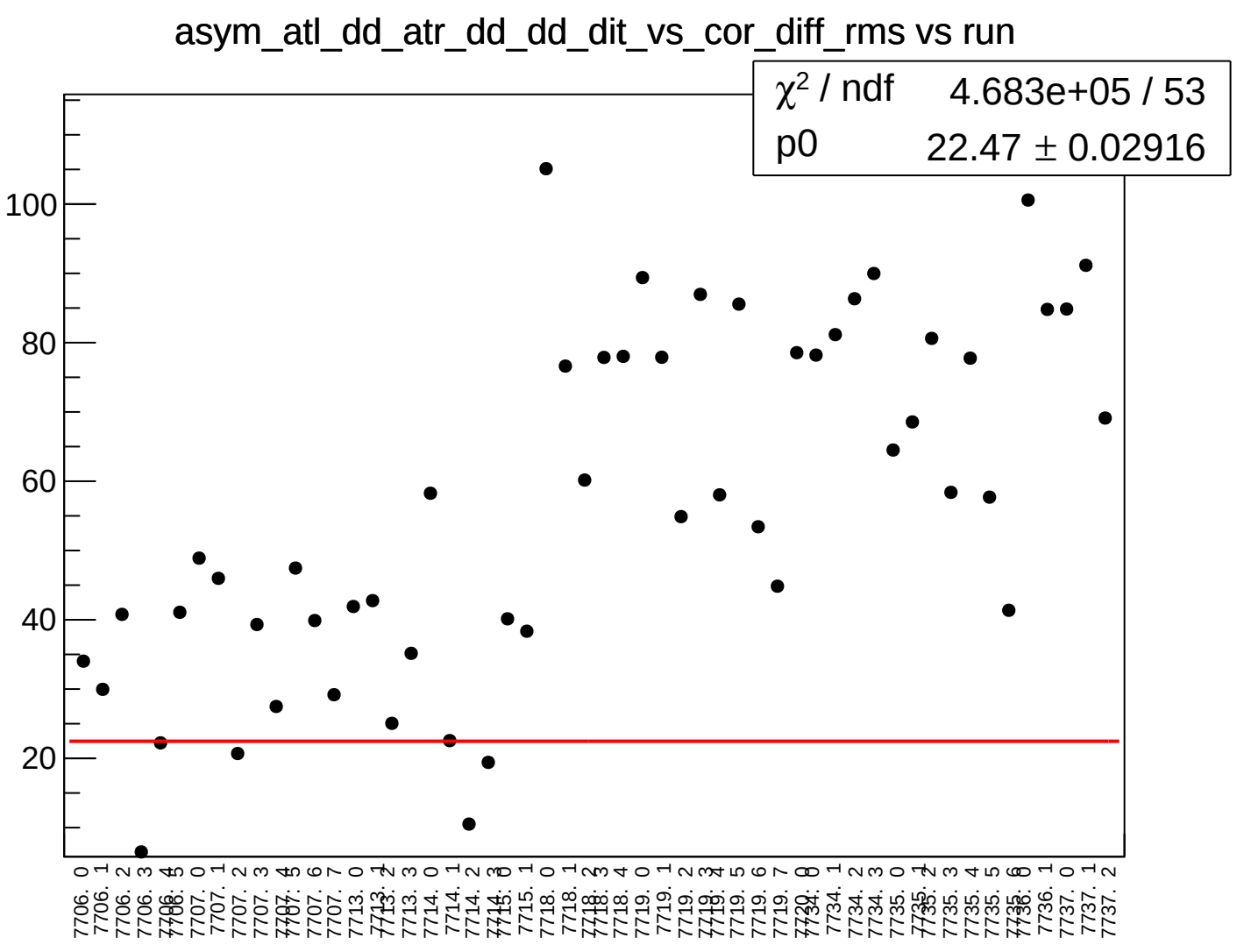

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.41e+04 / 53
p0 2058 ± 2.011
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

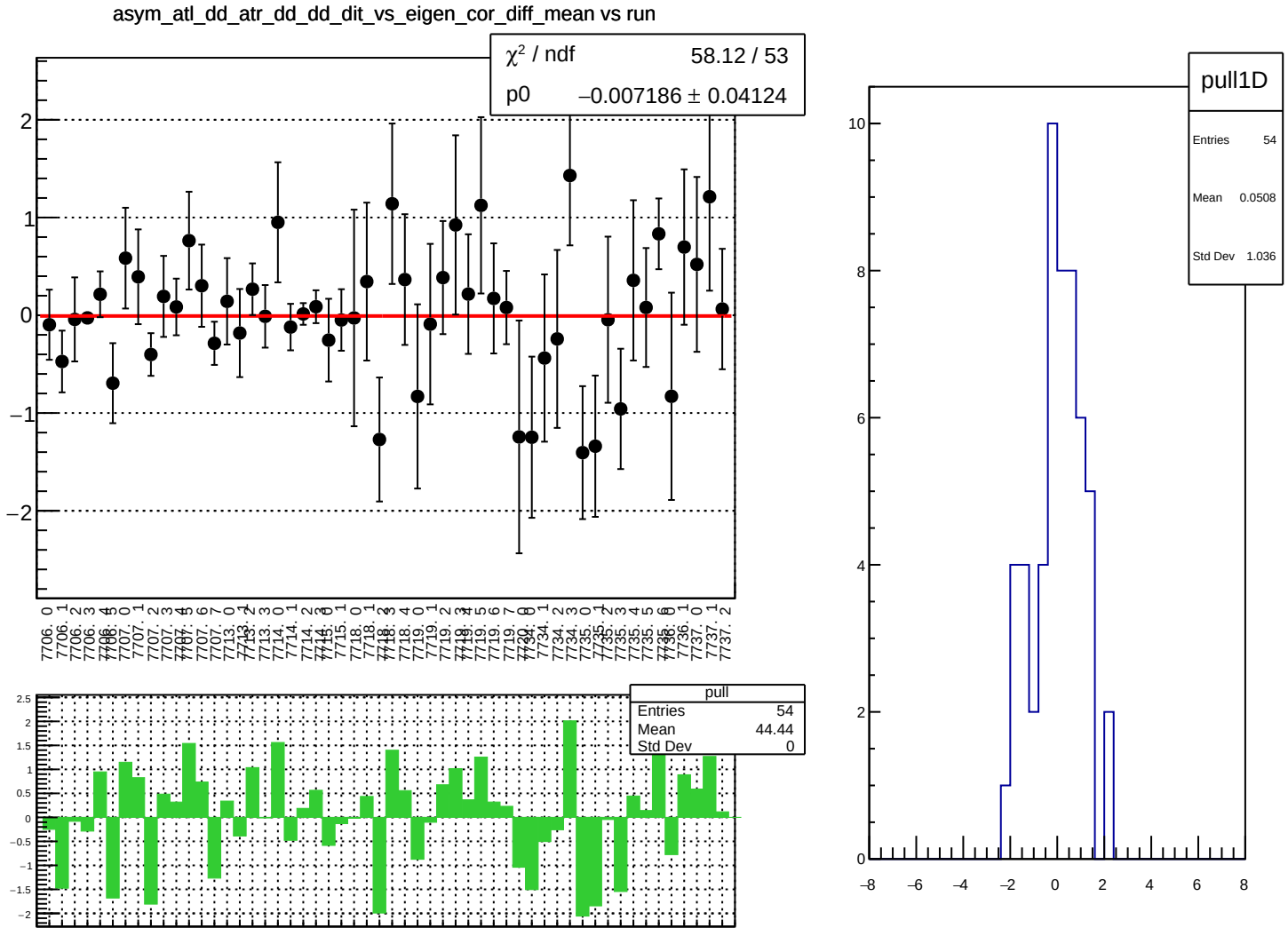

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.36 / 53
p0 −2.261e−15 ± 1.595e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −27.55
Std Dev 0
pull1D
Entries 54
Mean −0.05678
Std Dev 0.9831

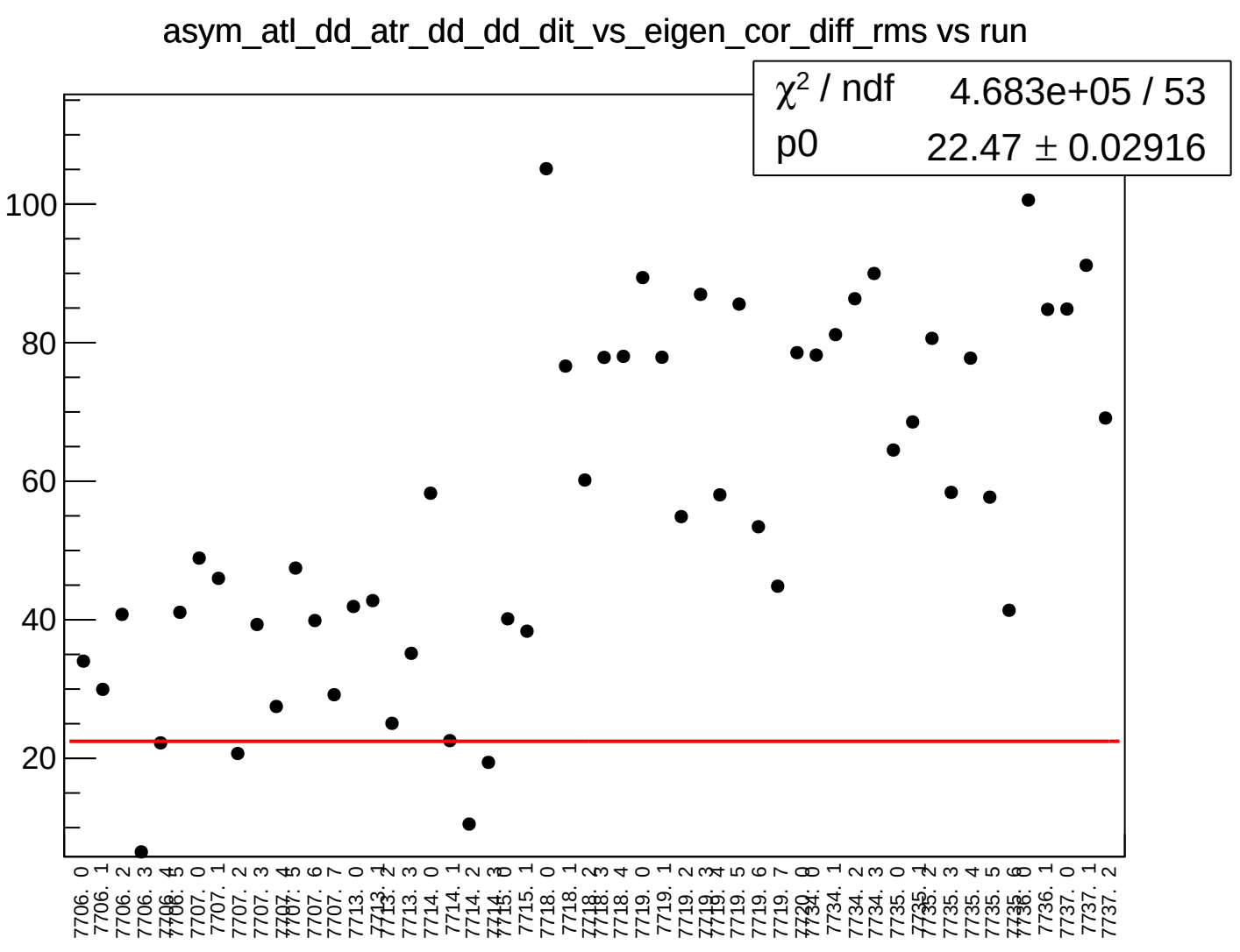

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.362e+05 / 53
p0 7.358e−11 ± 1.128e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

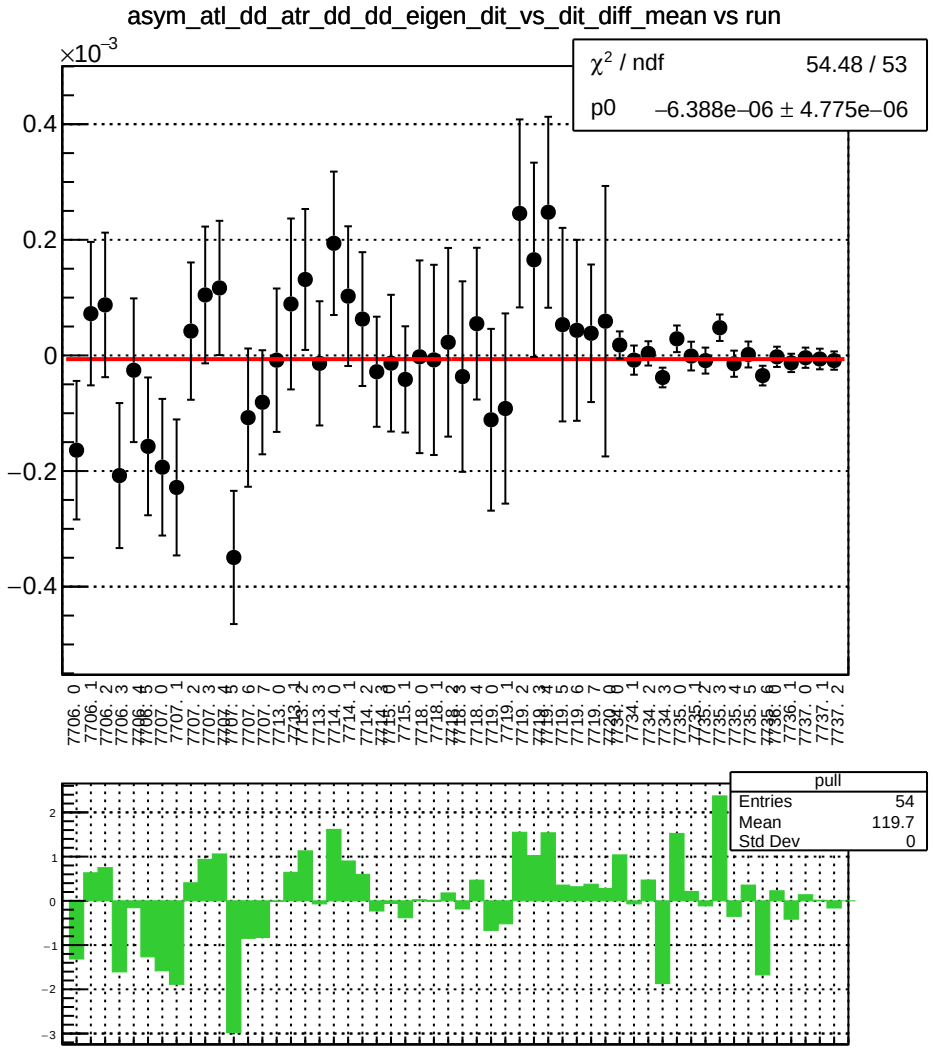

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007186 ± 0.04124
pull
Entries 54
Mean 44.44
Std Dev 0

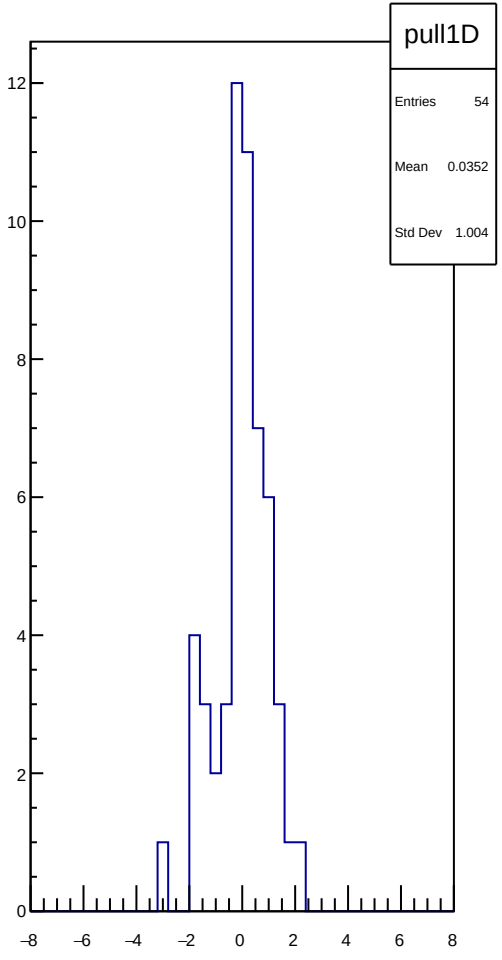

pull1D
Entries 54
Mean 0.0508
Std Dev 1.036

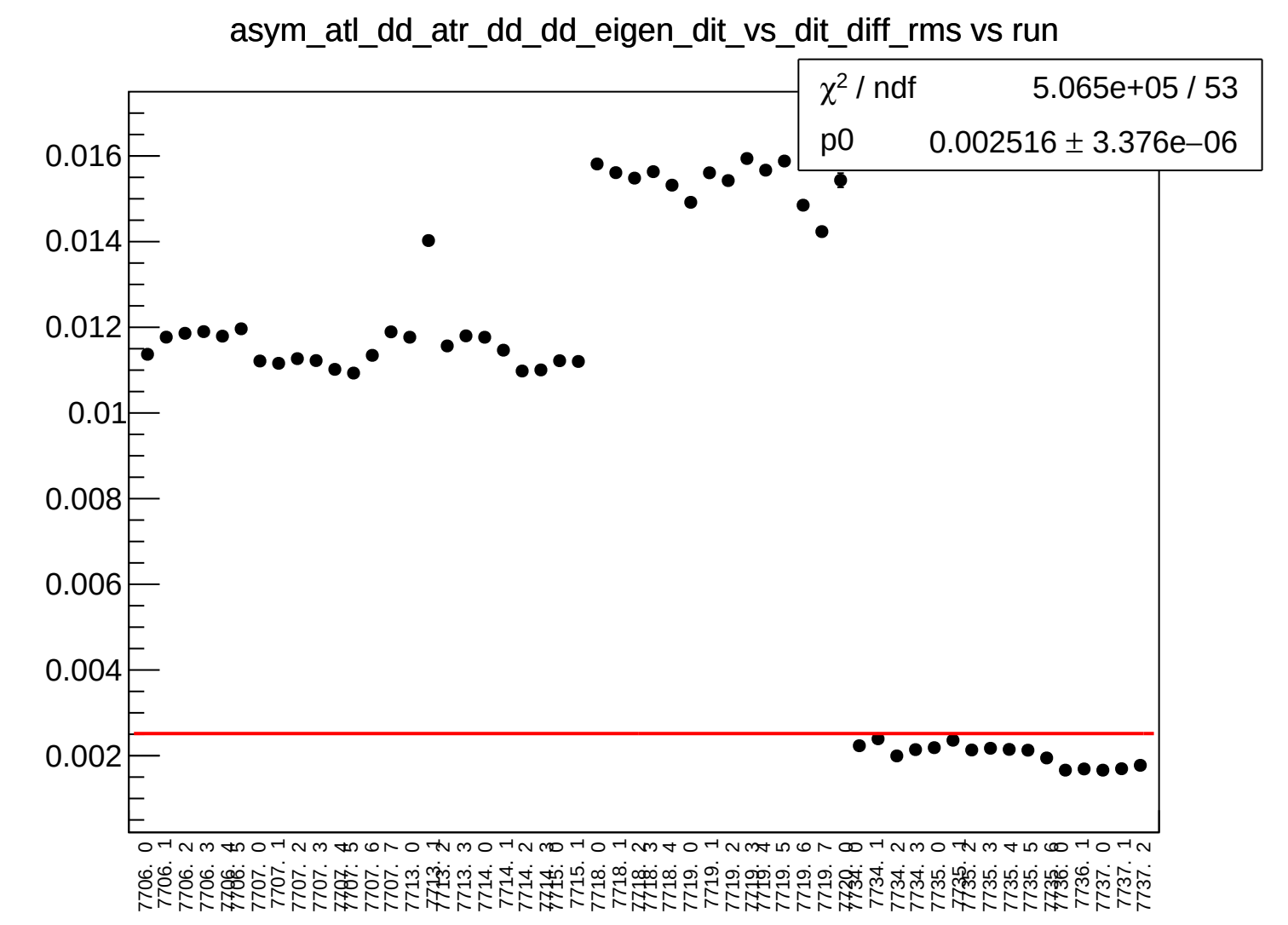

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.683e+05 / 53
p0 22.47 ± 0.02916
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

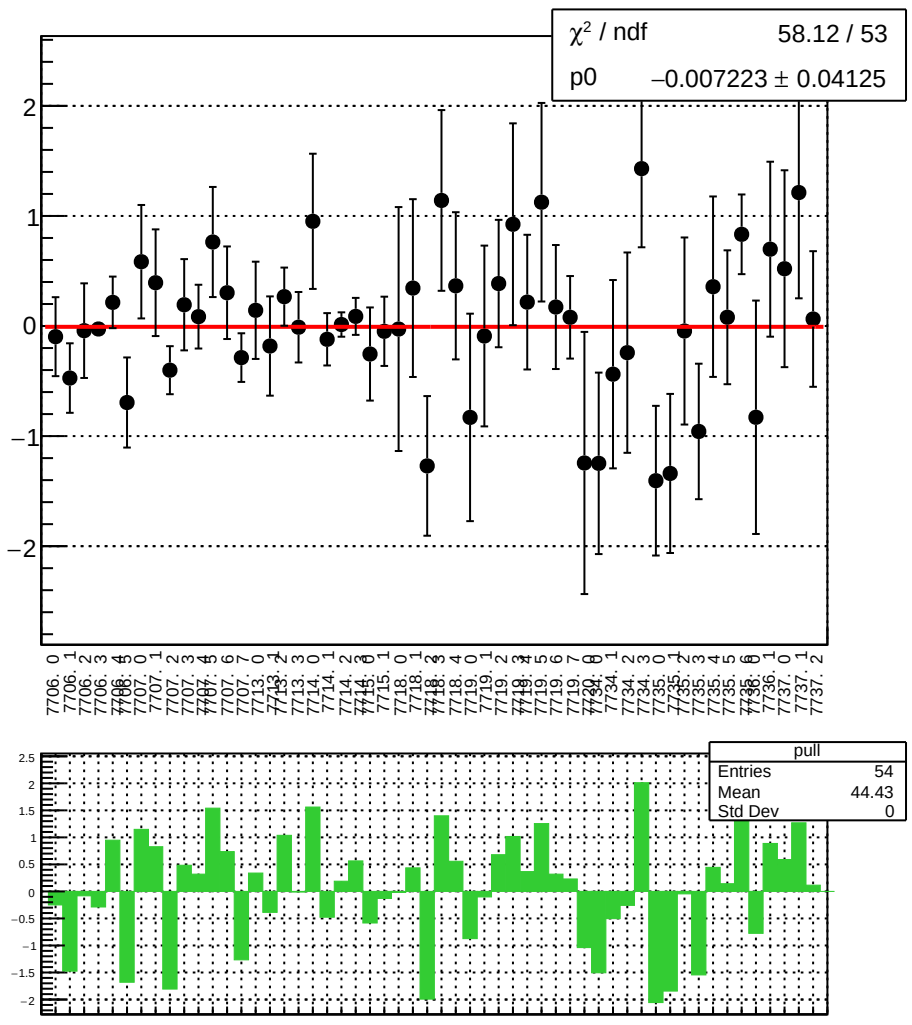

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007186 ± 0.04124
pull
Entries 54
Mean 44.44
Std Dev 0
pull1D
Entries 54
Mean 0.0508
Std Dev 1.036

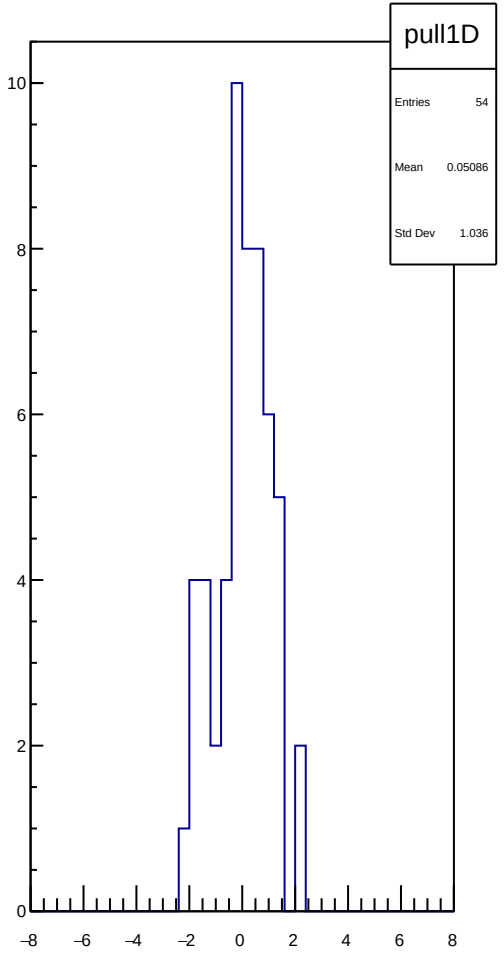

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.683e+05 / 53
p0 22.47 ± 0.02916
100
80
60
40
20

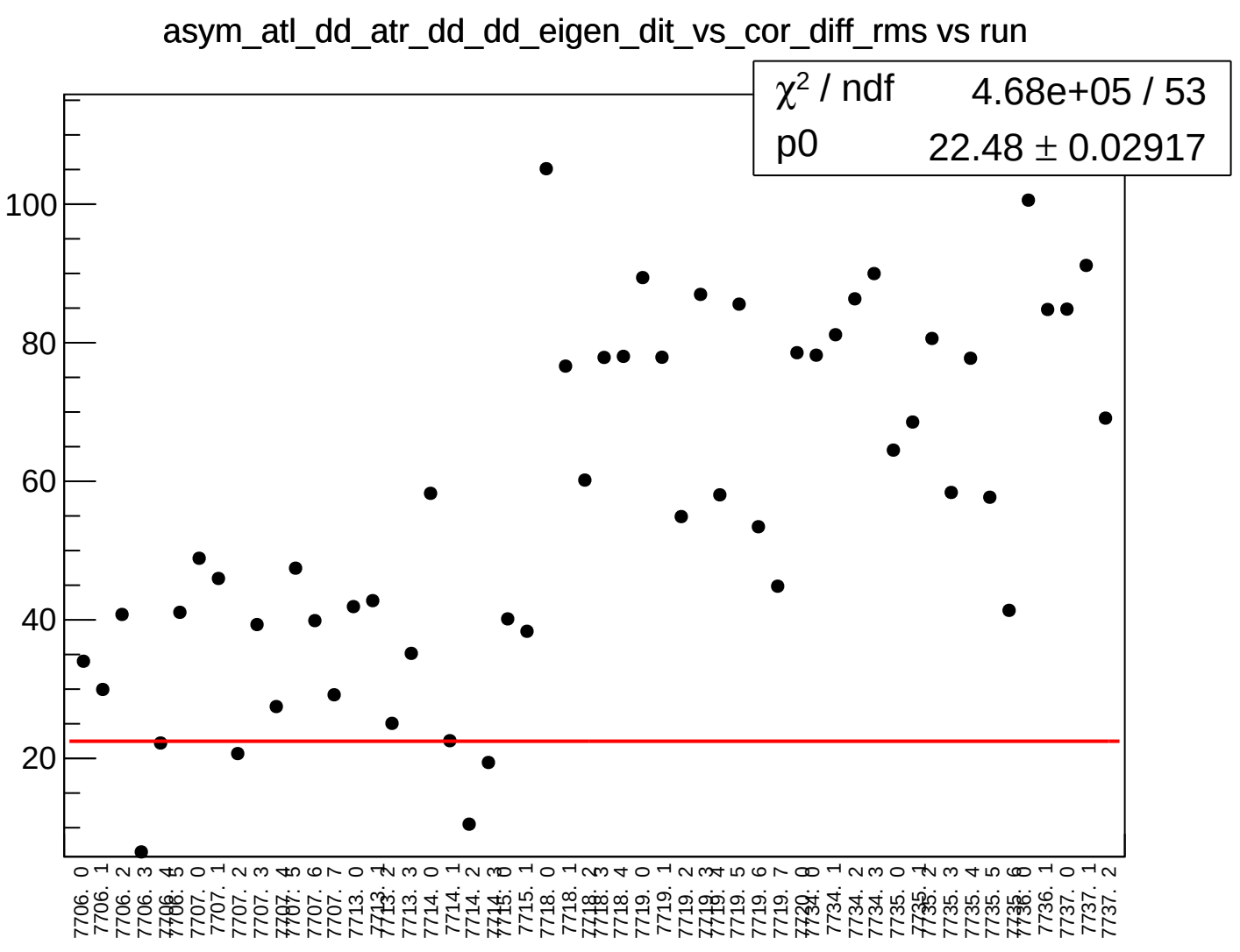

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.48 / 53
p0 −6.388e−06 ± 4.775e−06
pull
Entries 54
Mean 119.7
Std Dev 0

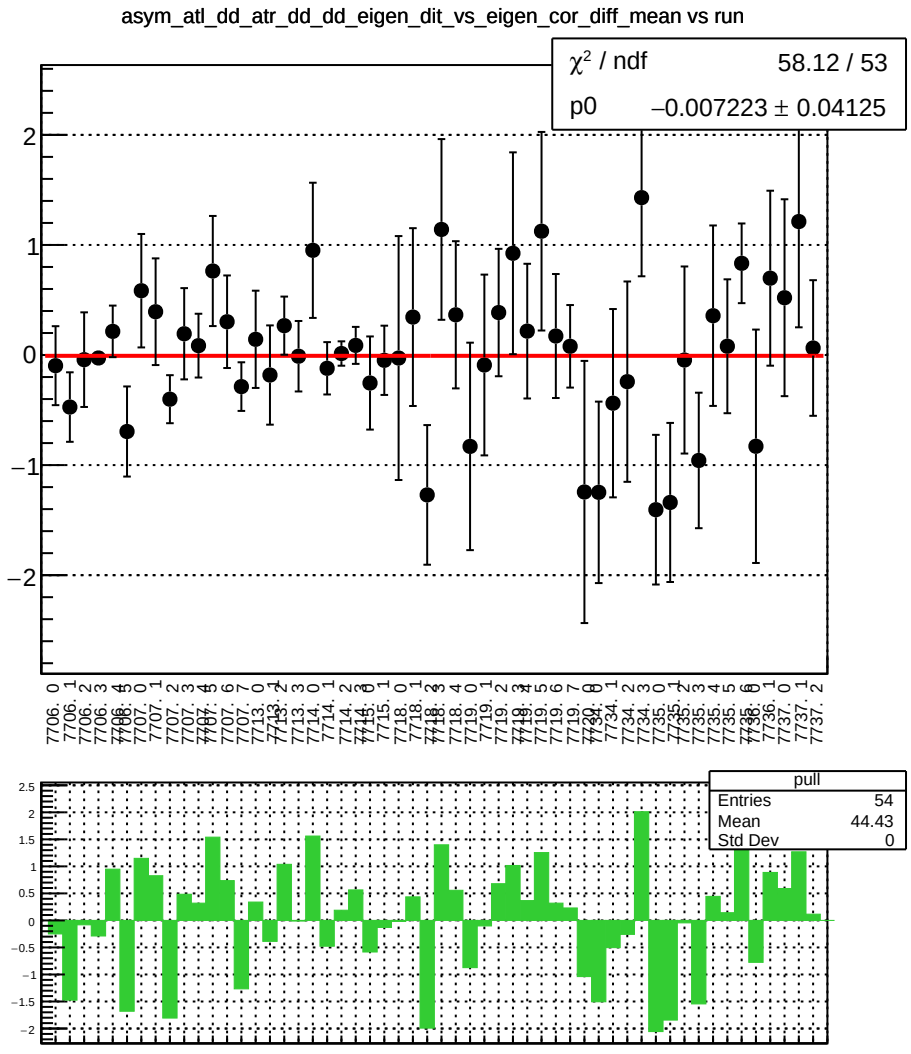

pull1D
Entries 54
Mean 0.0352
Std Dev 1.004

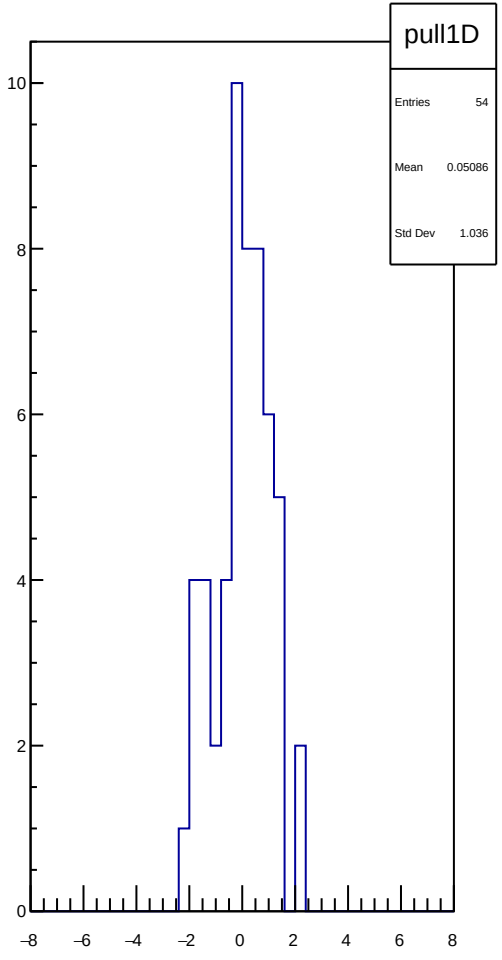

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.065e+05 / 53
p0 0.002516 ± 3.376e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

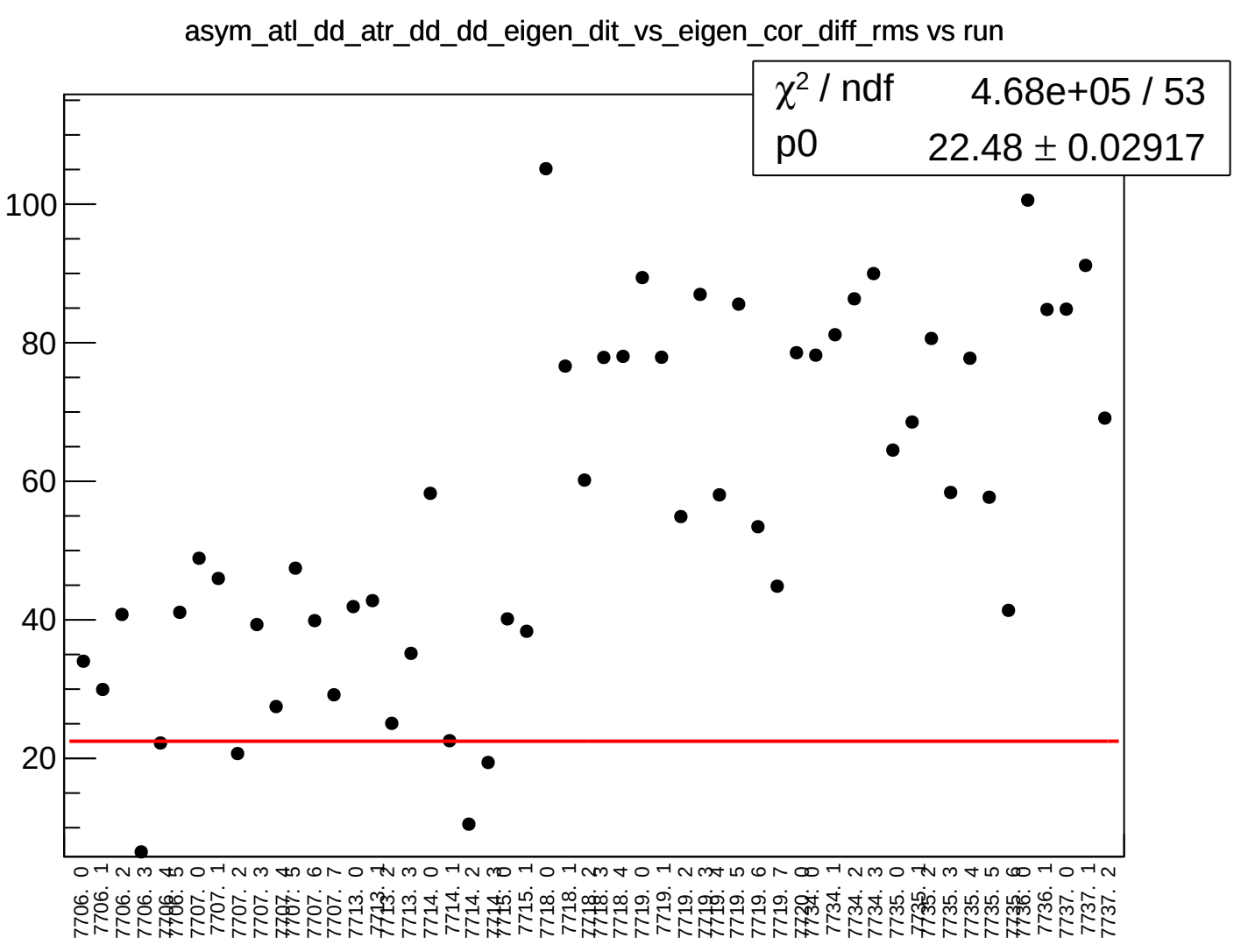

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007223 ± 0.04125
pull
Entries 54
Mean 44.43
Std Dev 0

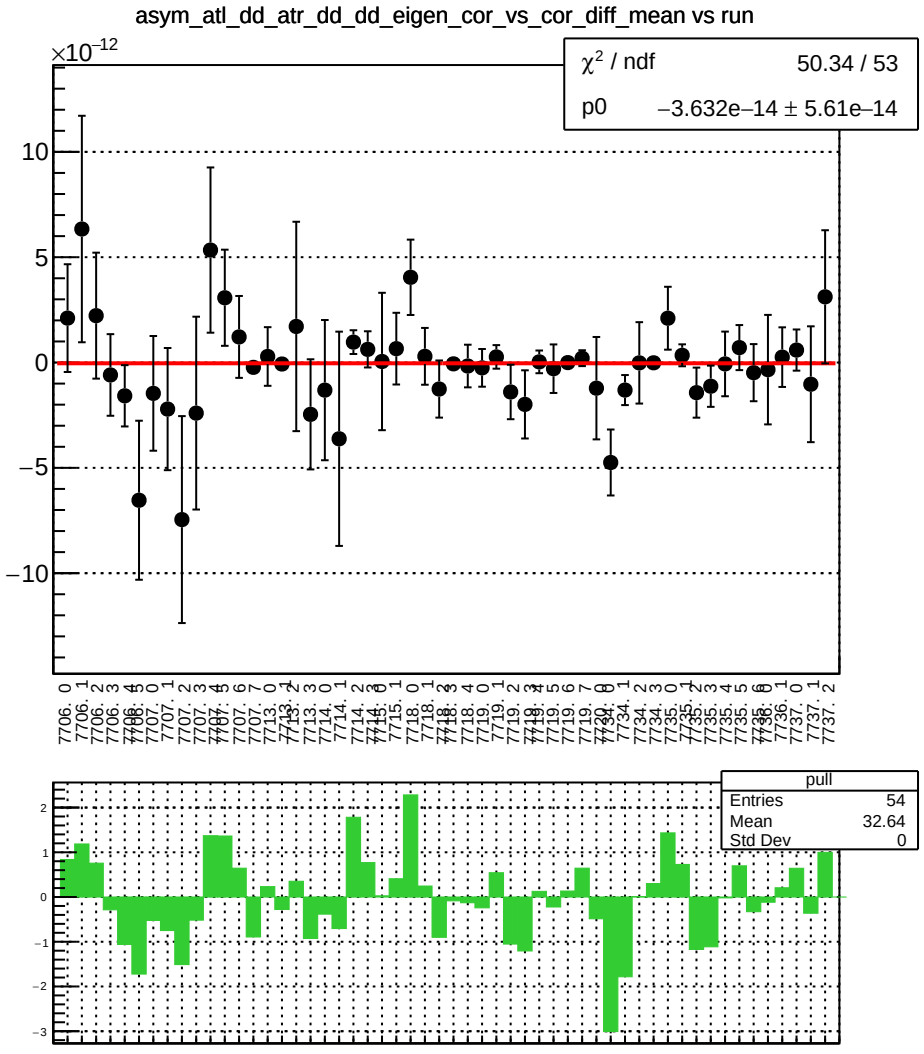

pull1D
Entries 54
Mean 0.05086
Std Dev 1.036

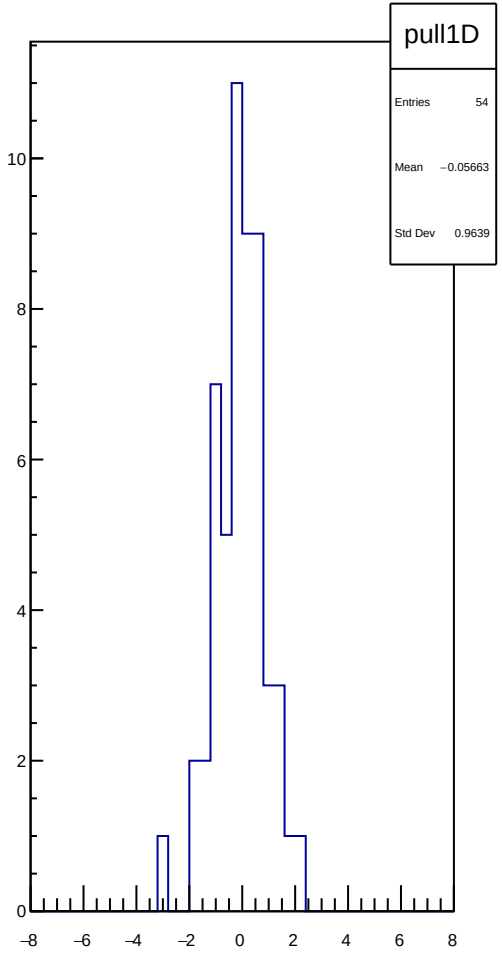

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.68e+05 / 53
p0 22.48 ± 0.02917
100
80
60
40
20

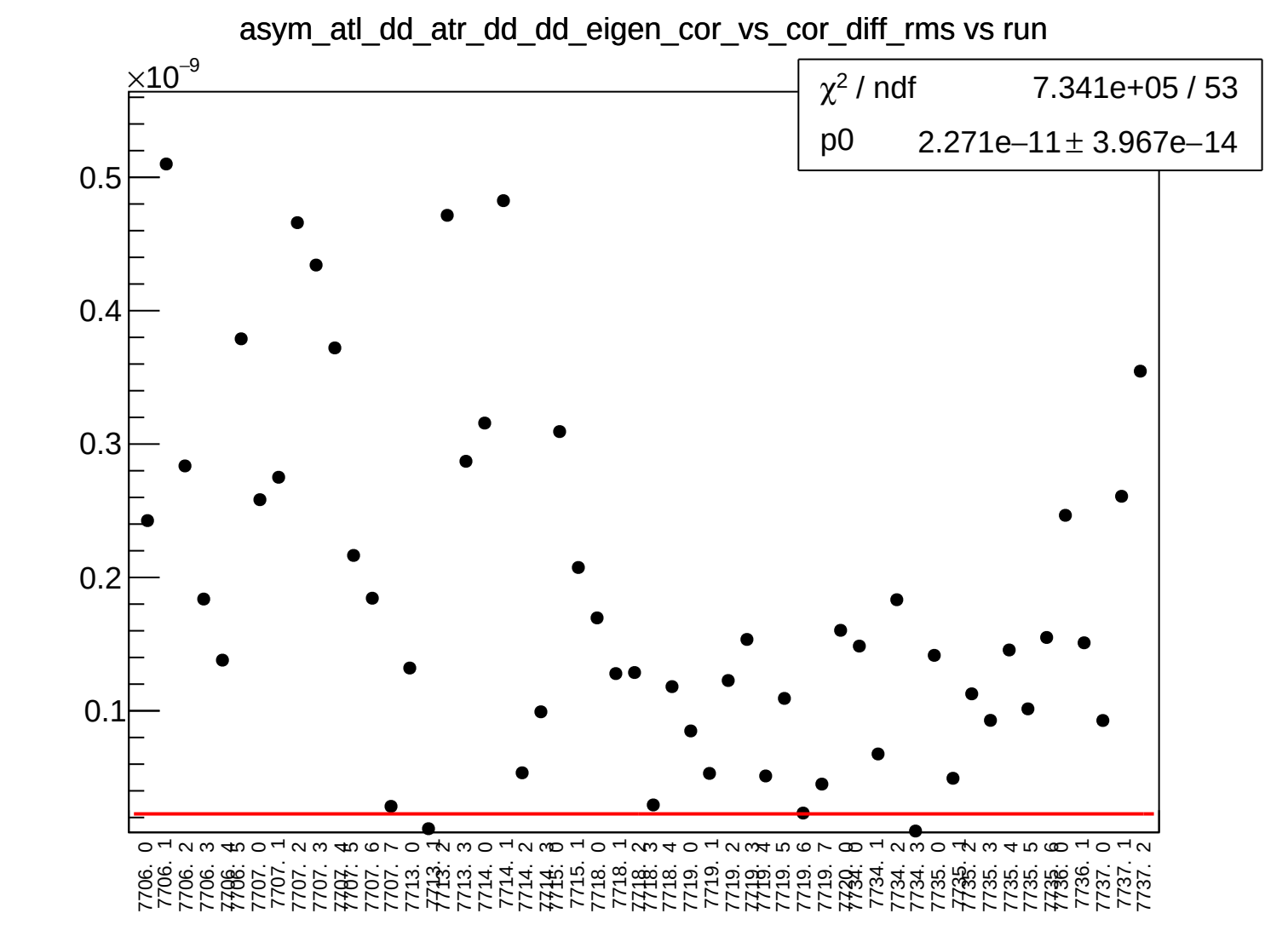

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007223 ± 0.04125
pull
Entries 54
Mean 44.43
Std Dev 0

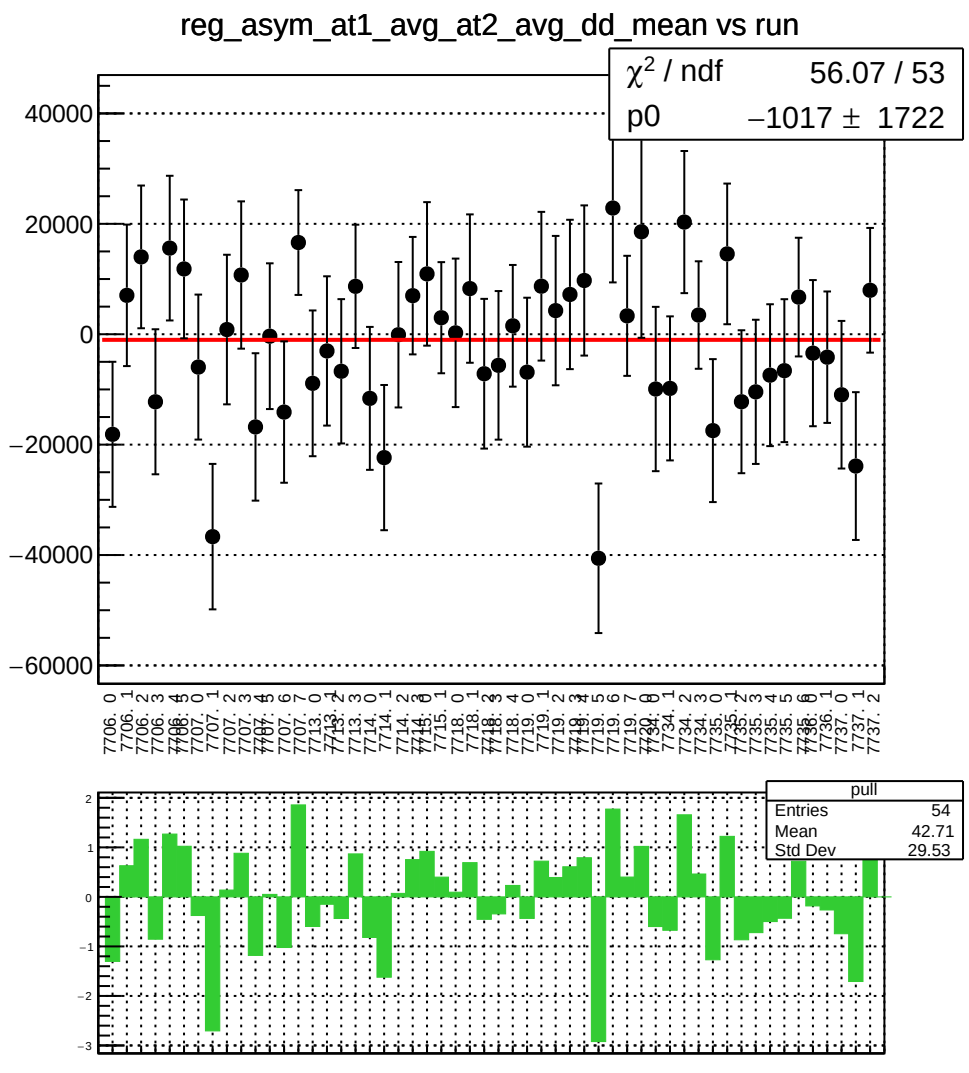

pull1D
Entries 54
Mean 0.05086
Std Dev 1.036

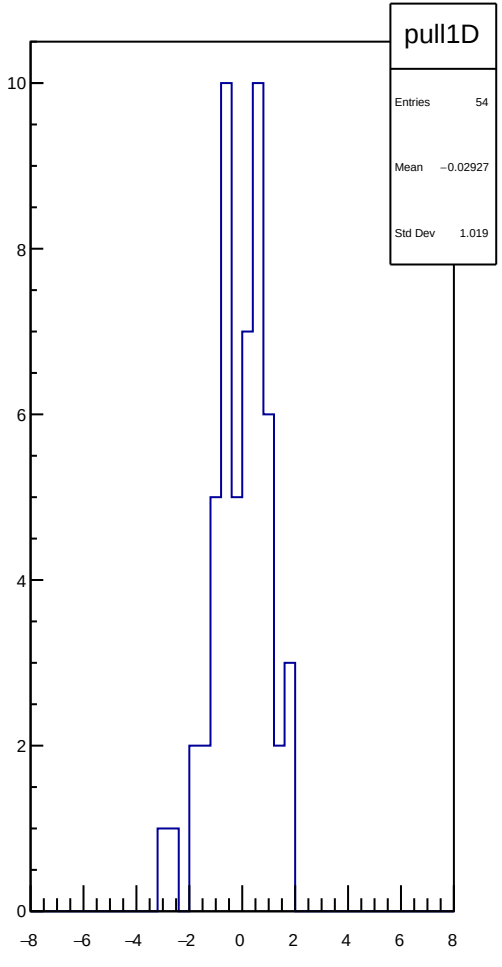

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.68e+05 / 53
p0 22.48 ± 0.02917
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

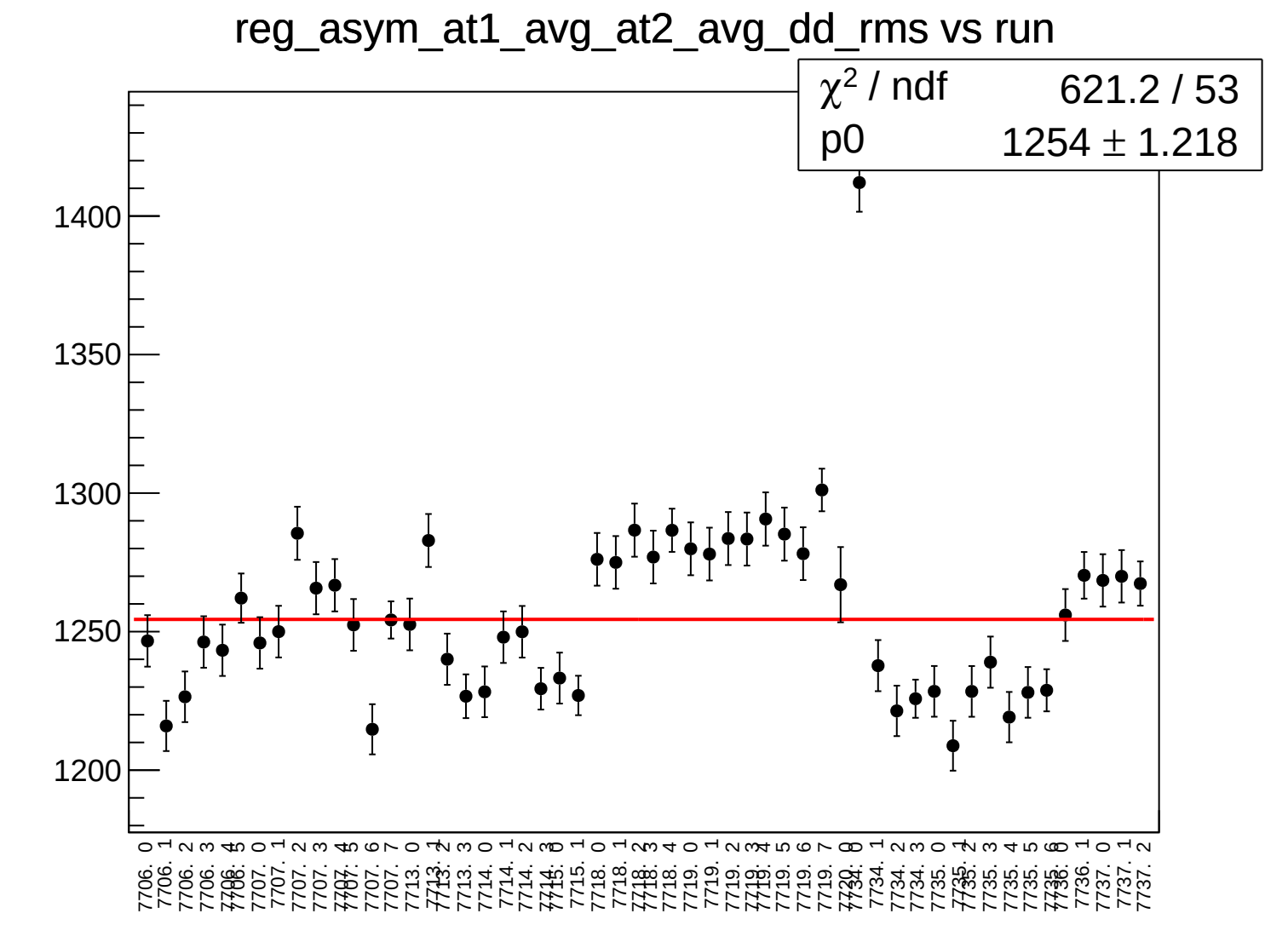

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.34 / 53
p0 −3.632e−14 ± 5.61e−14
pull
Entries 54
Mean 32.64
Std Dev 0

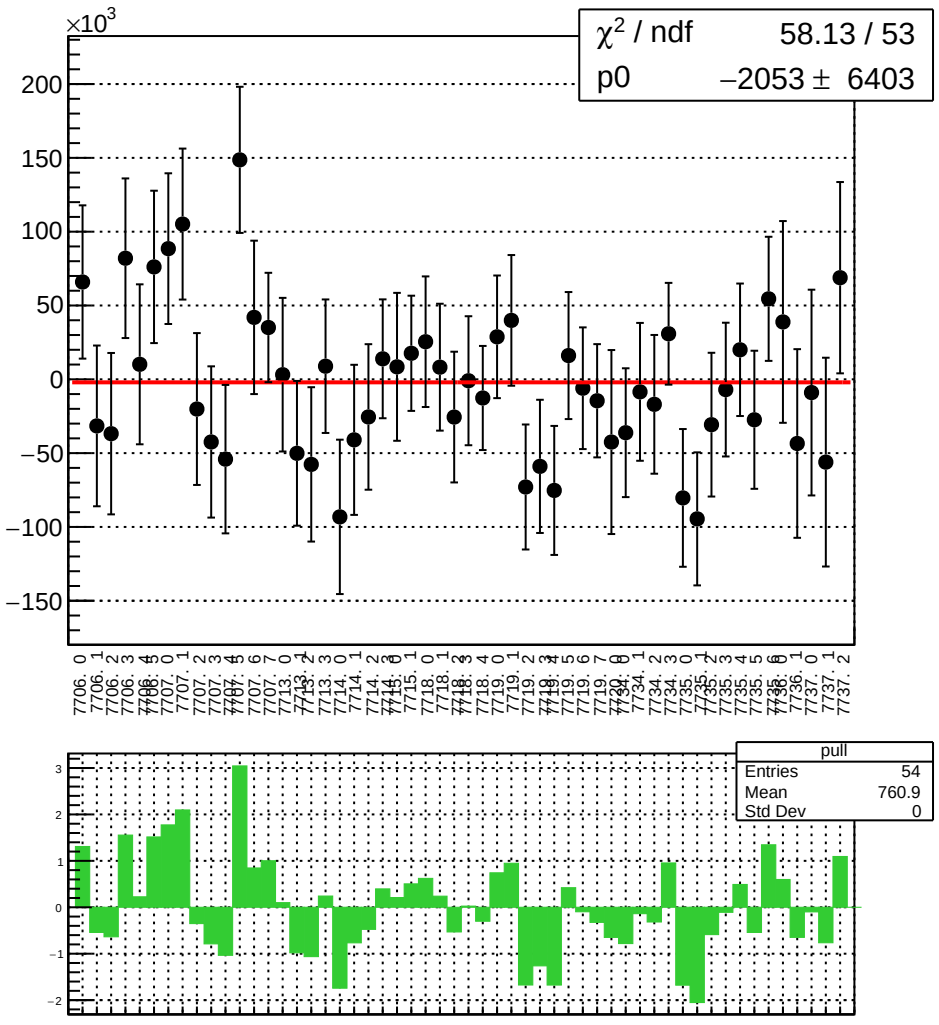

pull1D
Entries 54
Mean −0.05663
Std Dev 0.9639

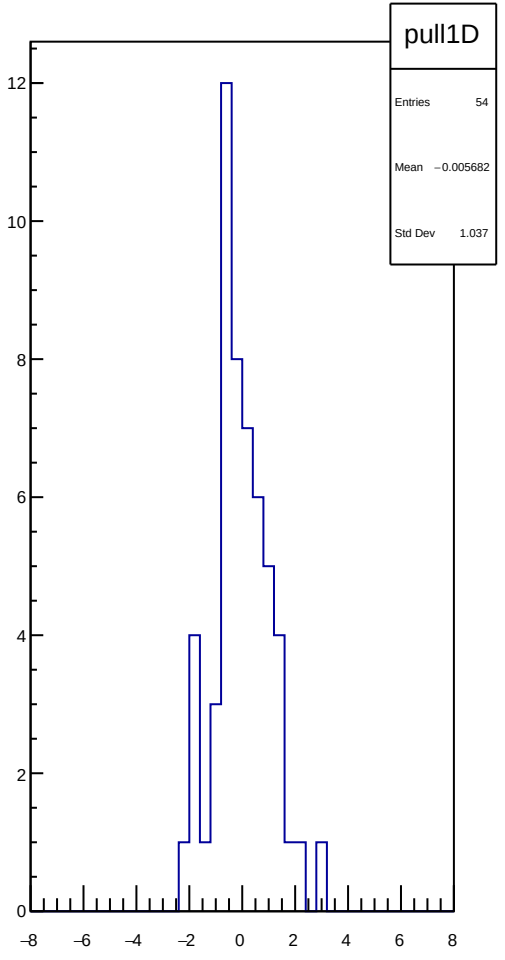

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.341e+05 / 53
p0 2.271e−11 ± 3.967e−14
0.5
0.4
0.3
0.2
0.1

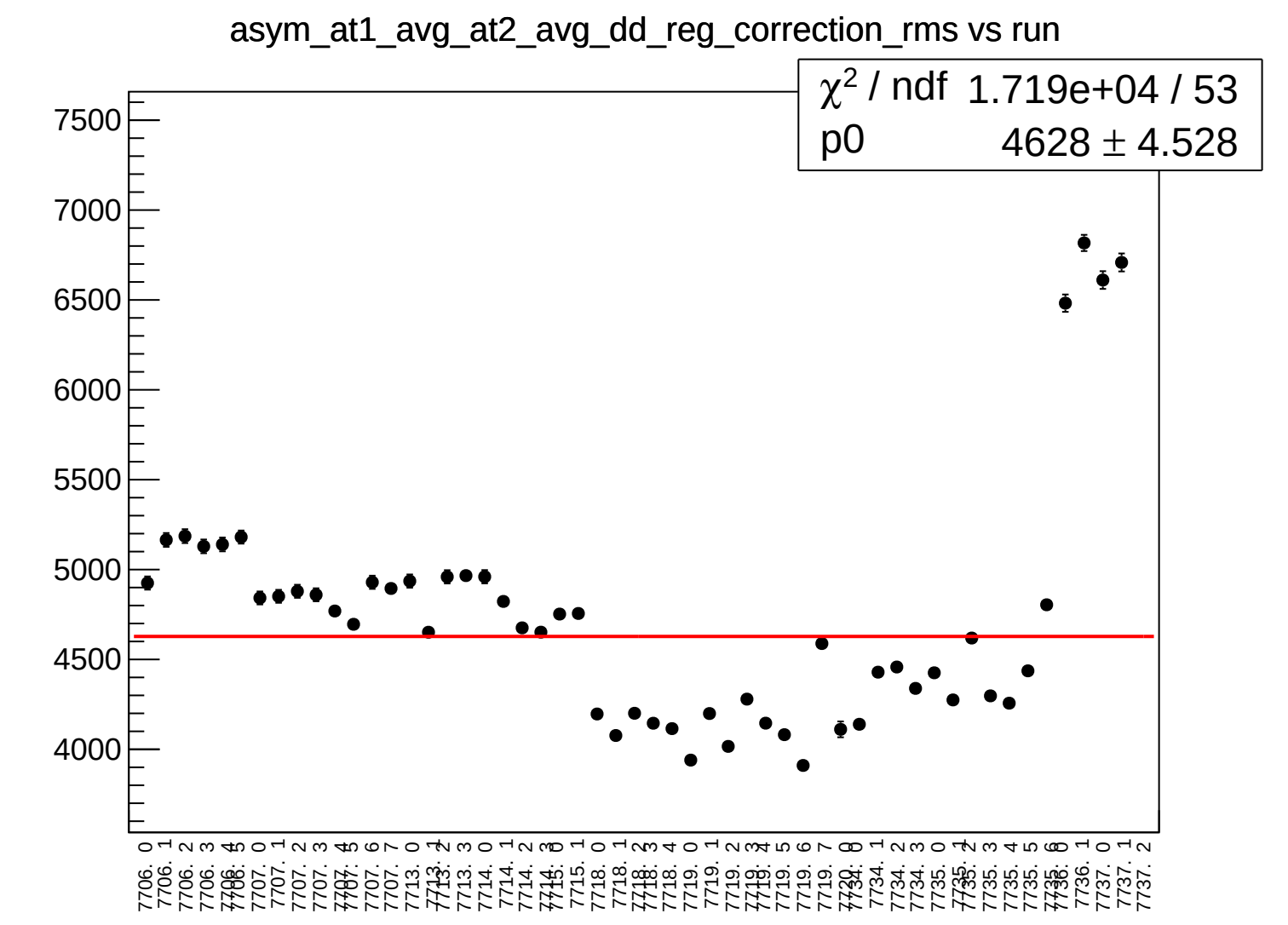

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
pull
Entries 54
Mean 42.71
Std Dev 29.53

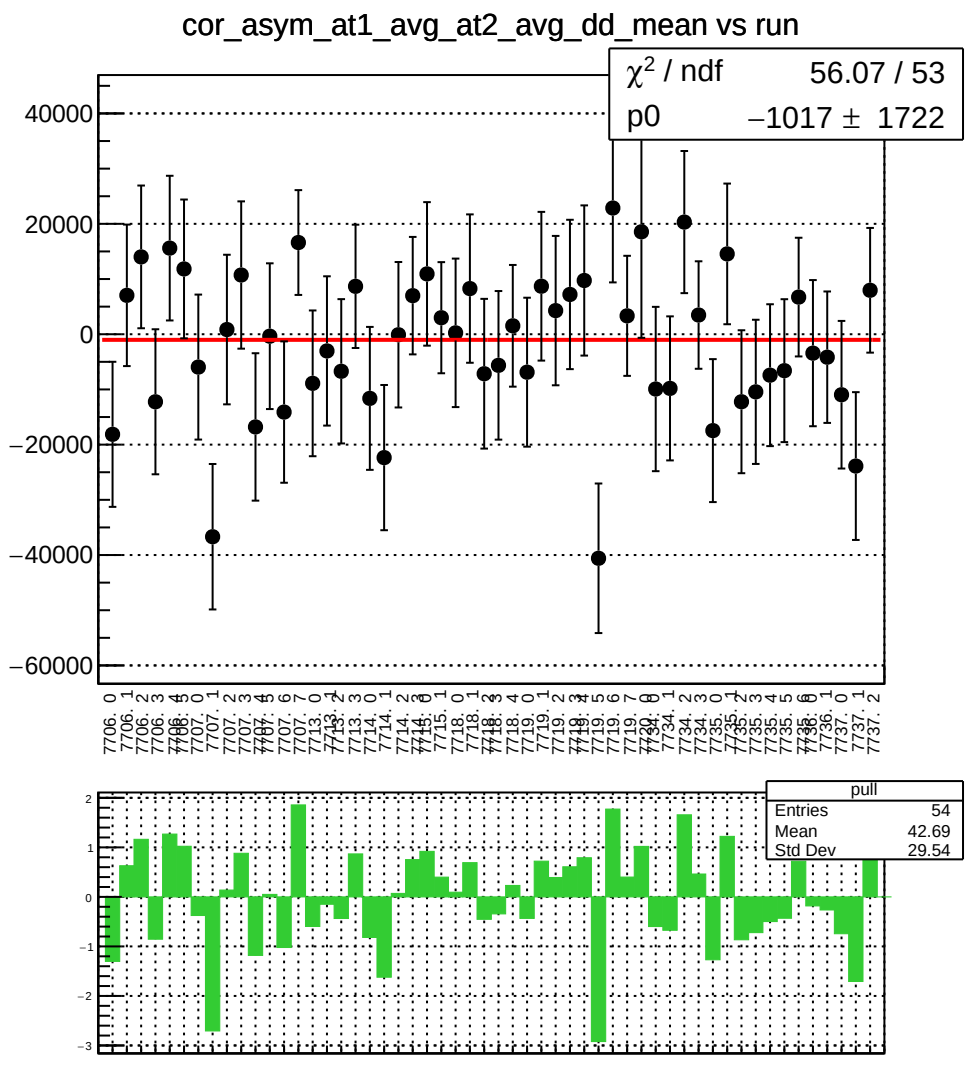

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019

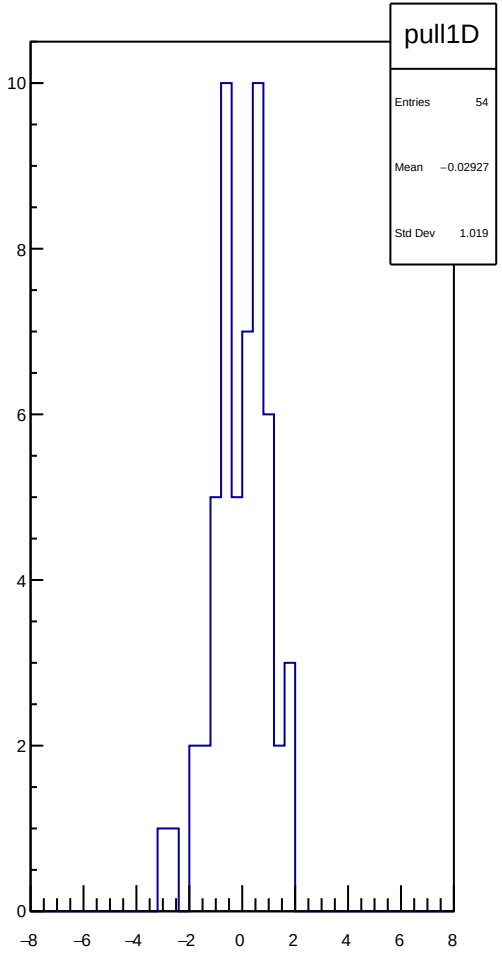

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

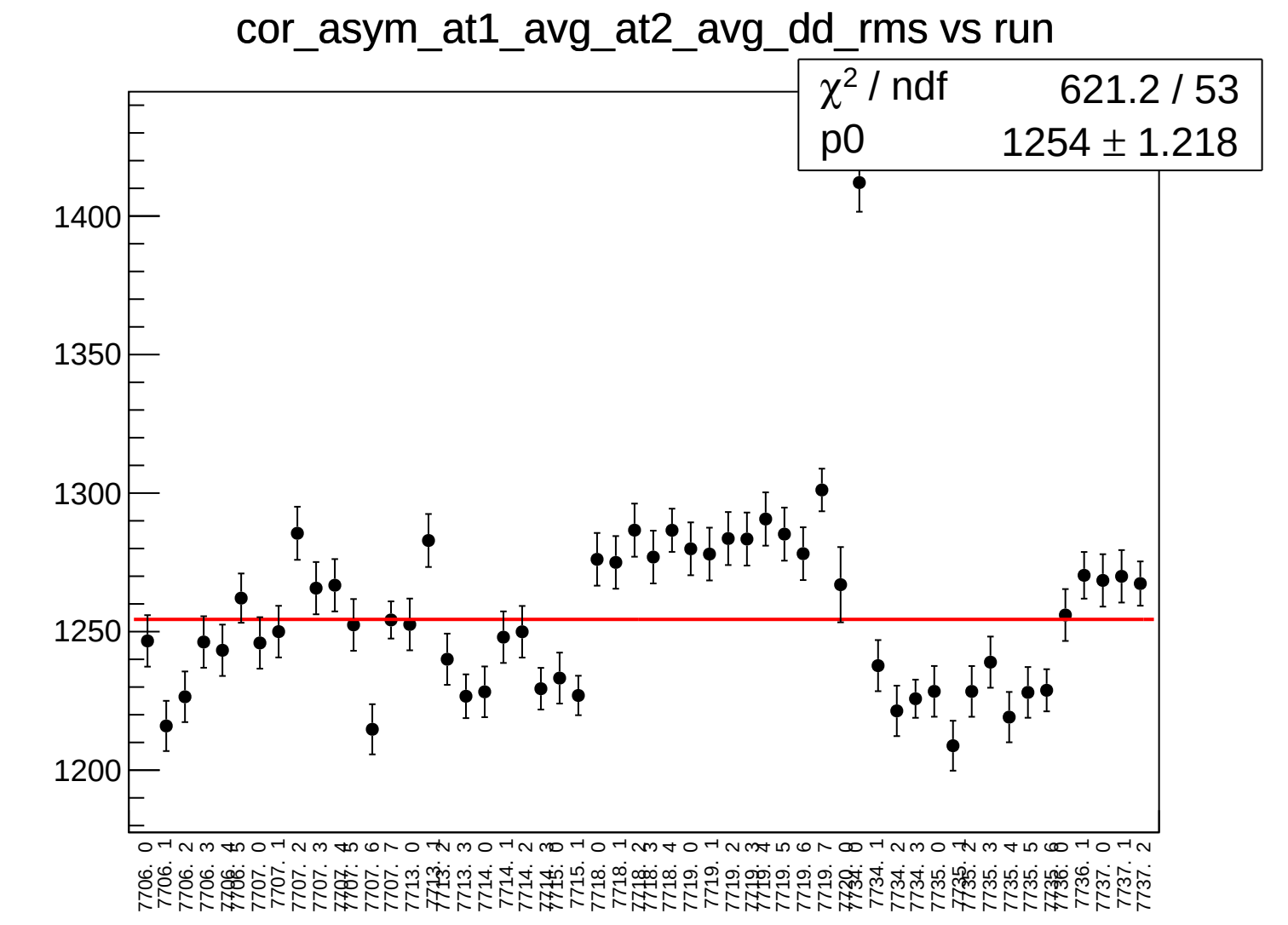

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
pull
Entries 54
Mean 760.9
Std Dev 0

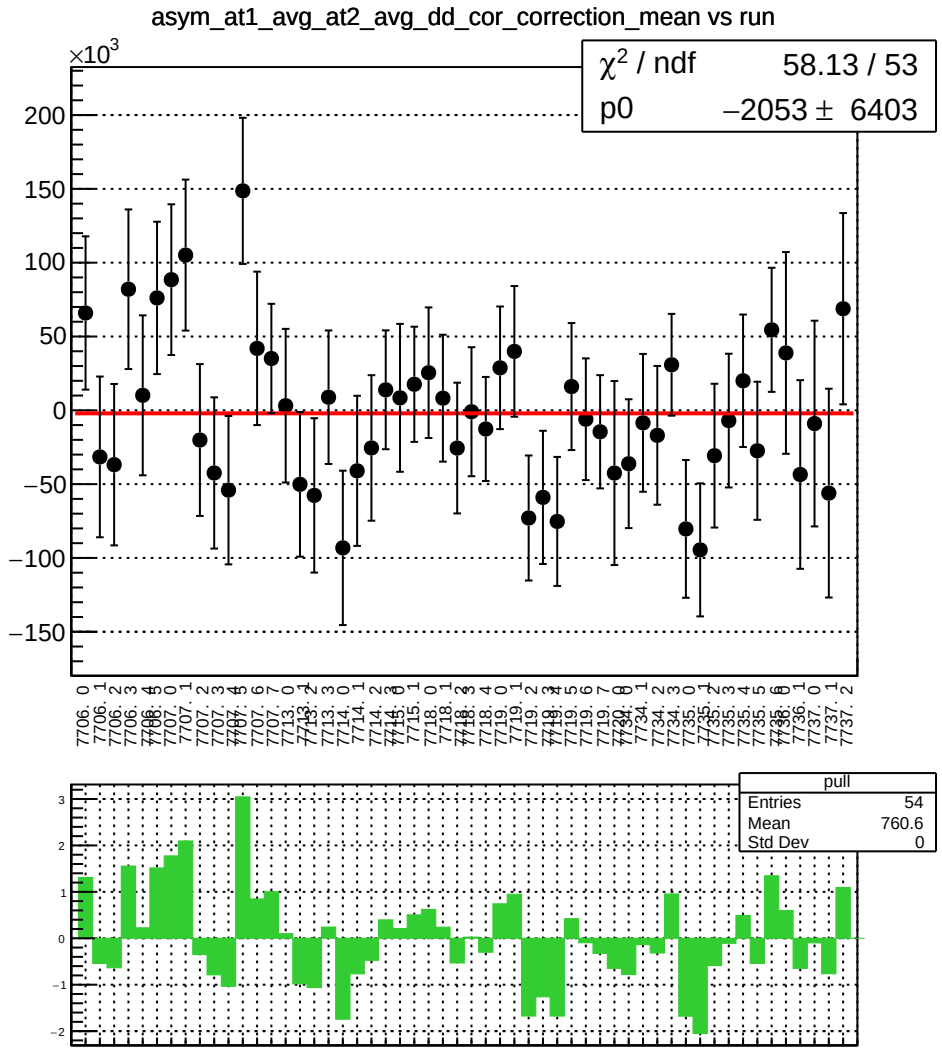

pull1D
Entries 54
Mean −0.005682
Std Dev 1.037

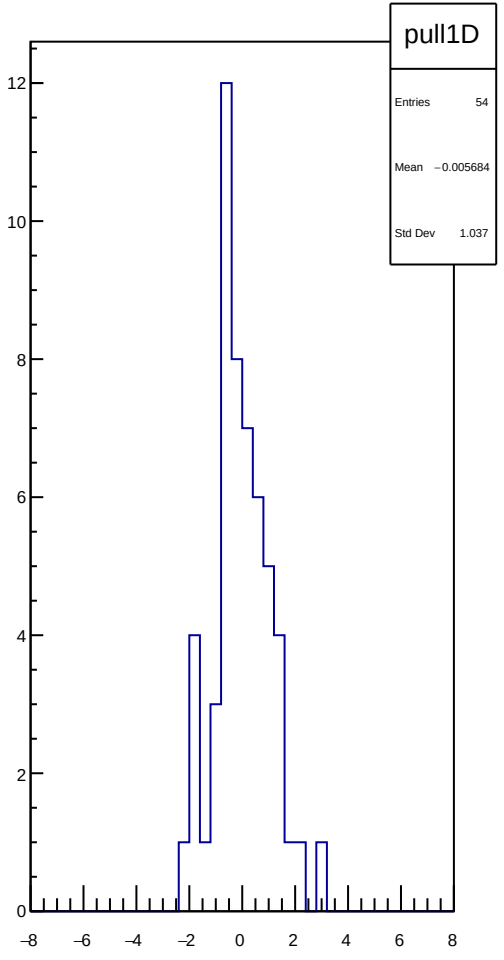

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000

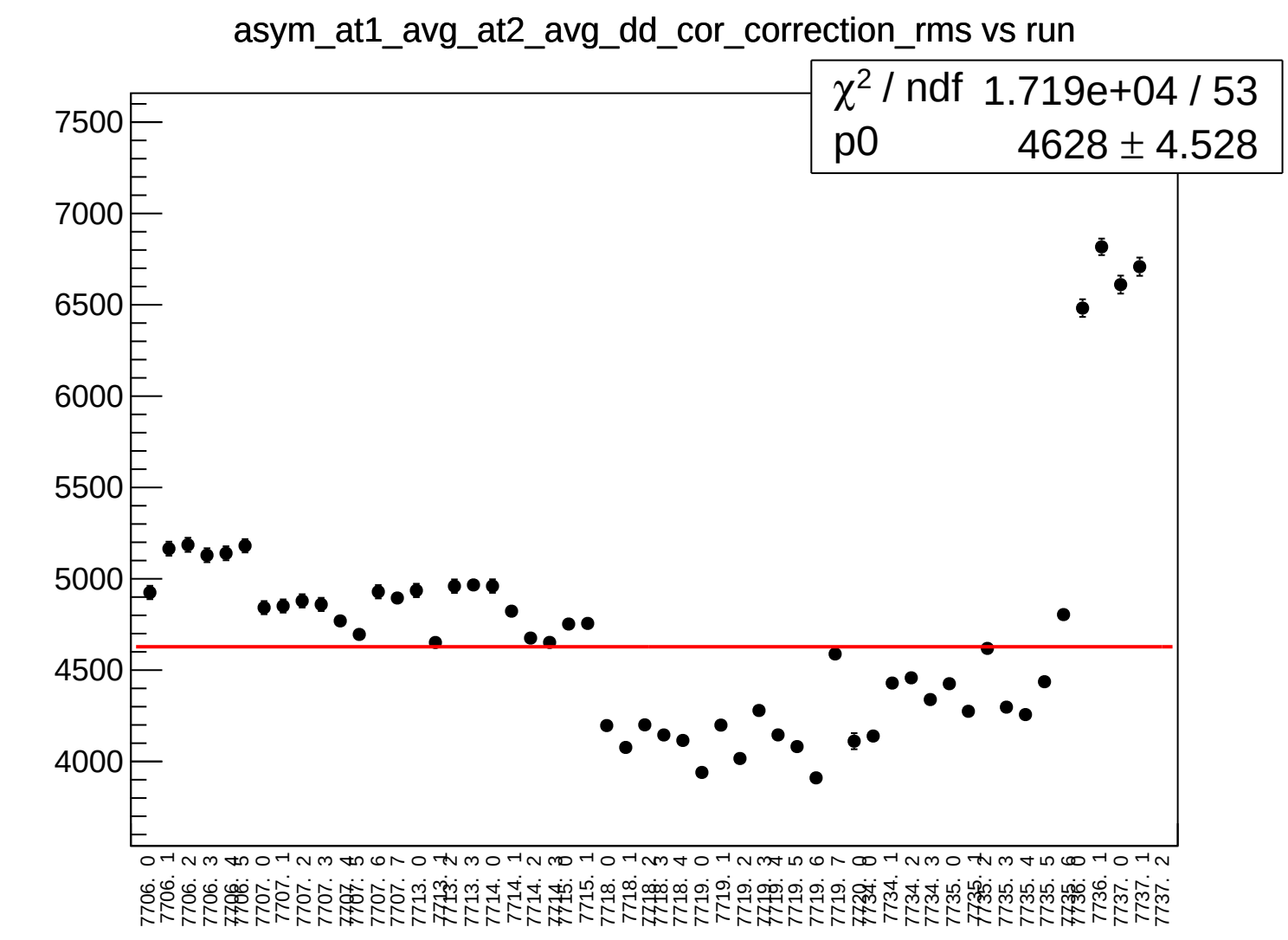

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
pull
Entries 54
Mean 42.69
Std Dev 29.54

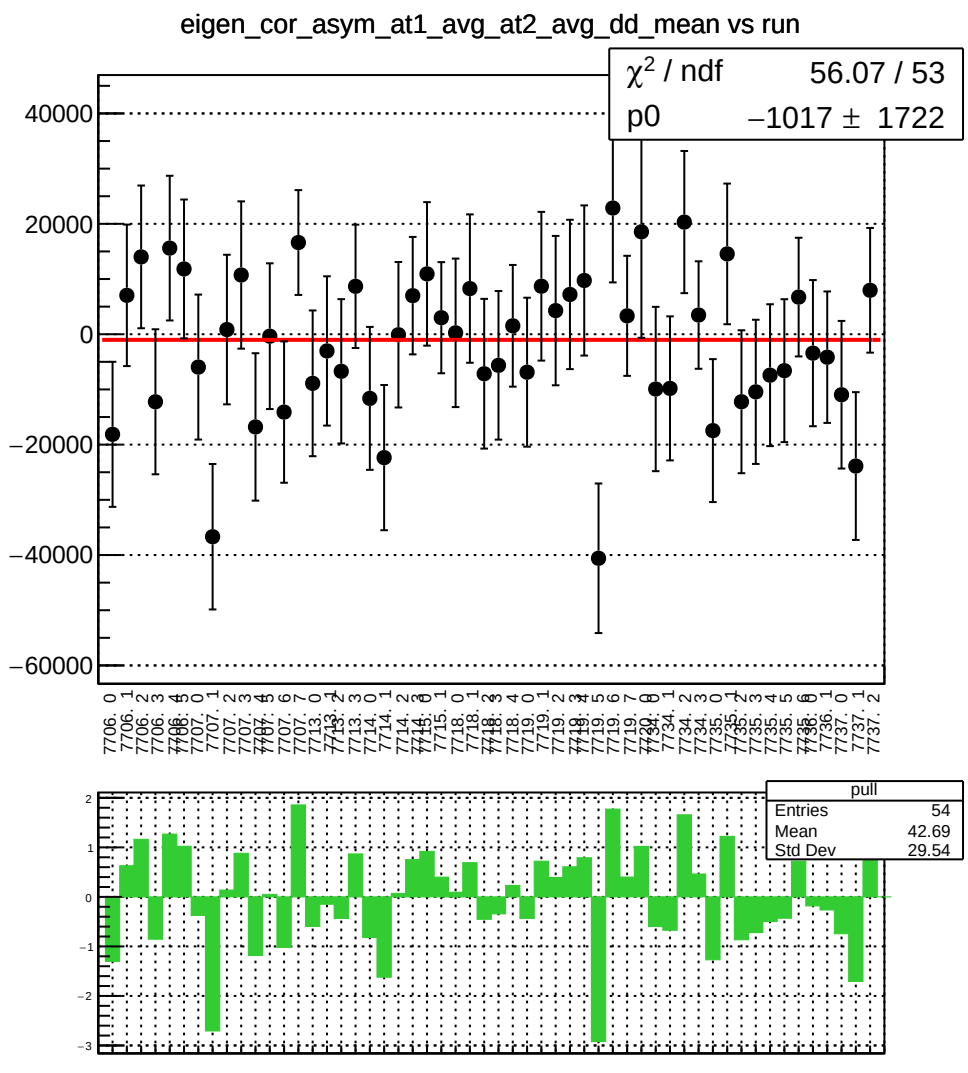

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019

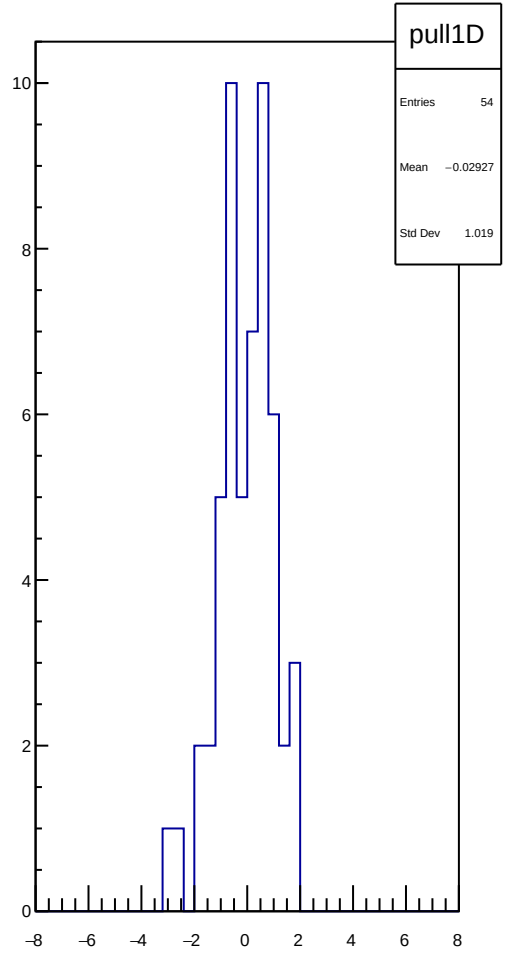

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

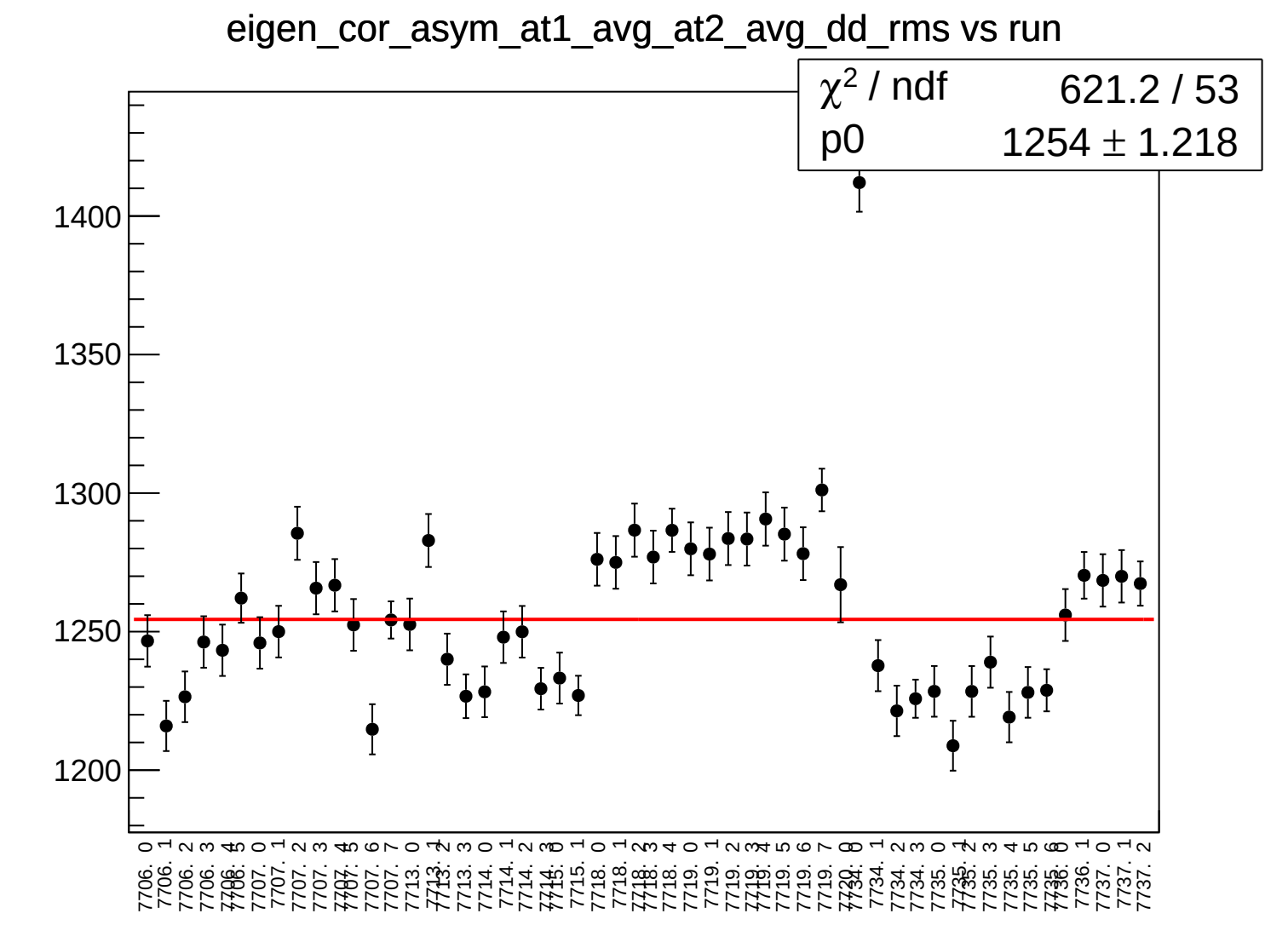

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
pull
Entries 54
Mean 760.6
Std Dev 0

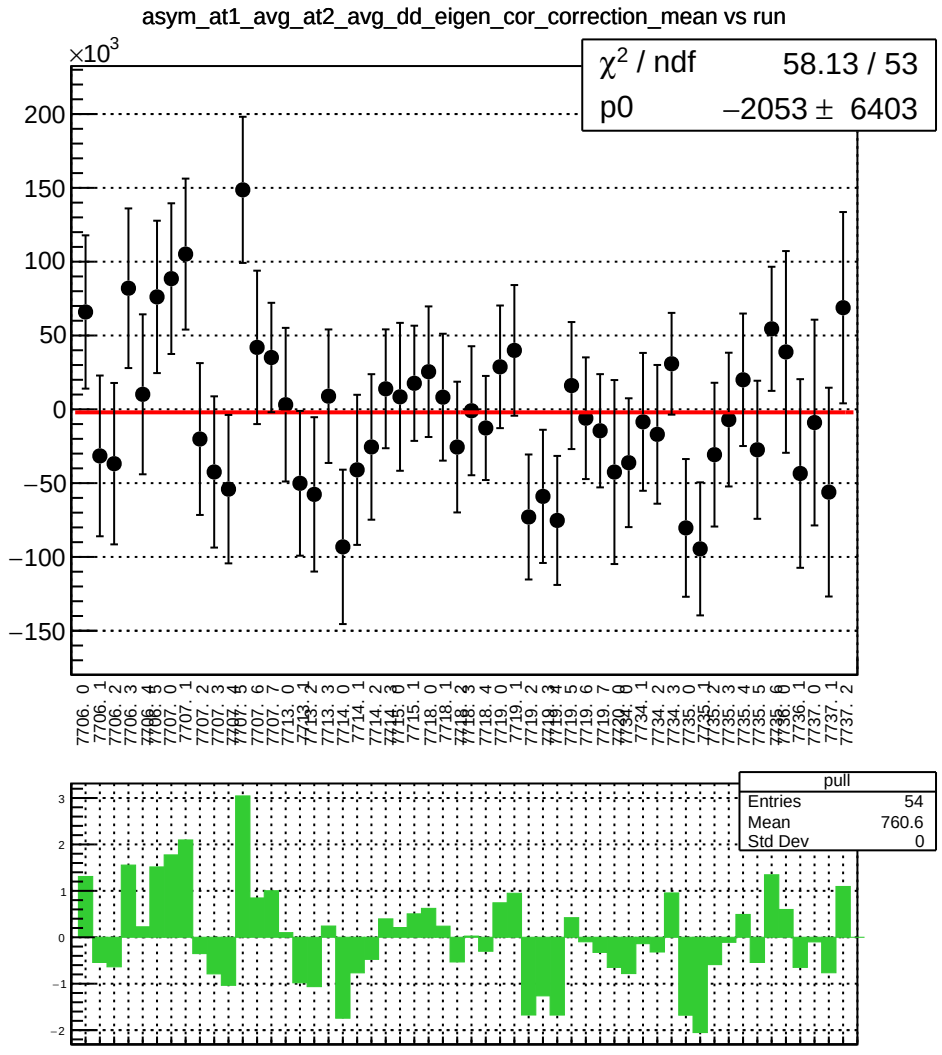

pull1D
Entries 54
Mean −0.005684
Std Dev 1.037

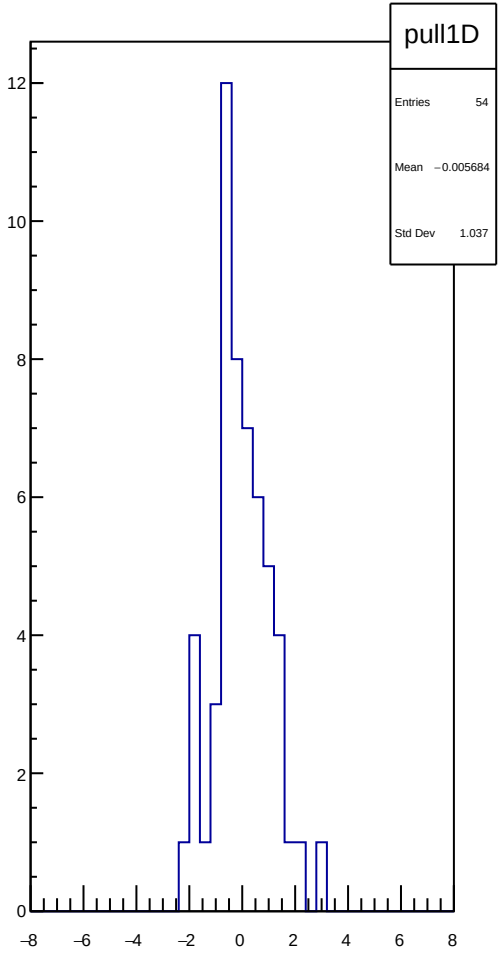

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000

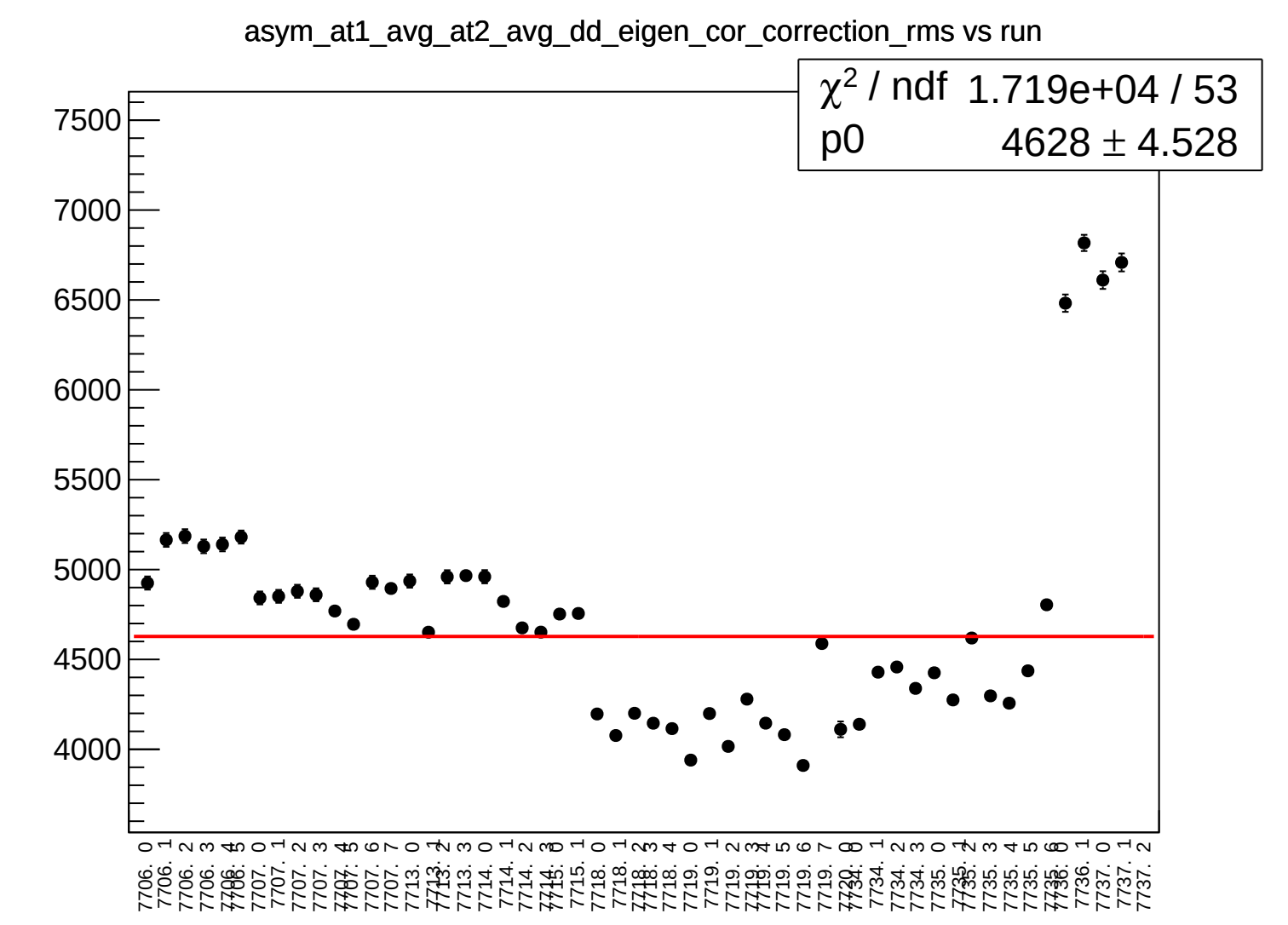

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.69
Std Dev 29.54
2
1
0
−1
−2
−3

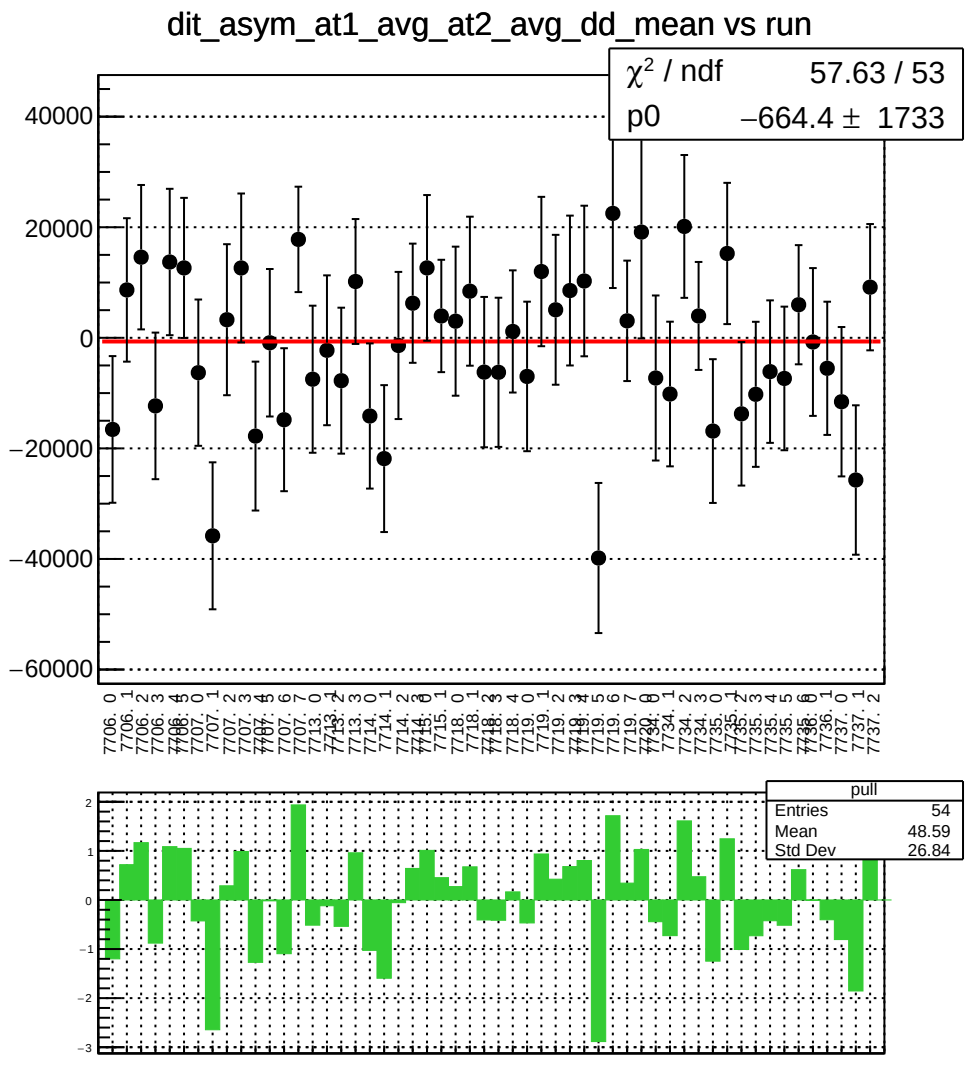

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

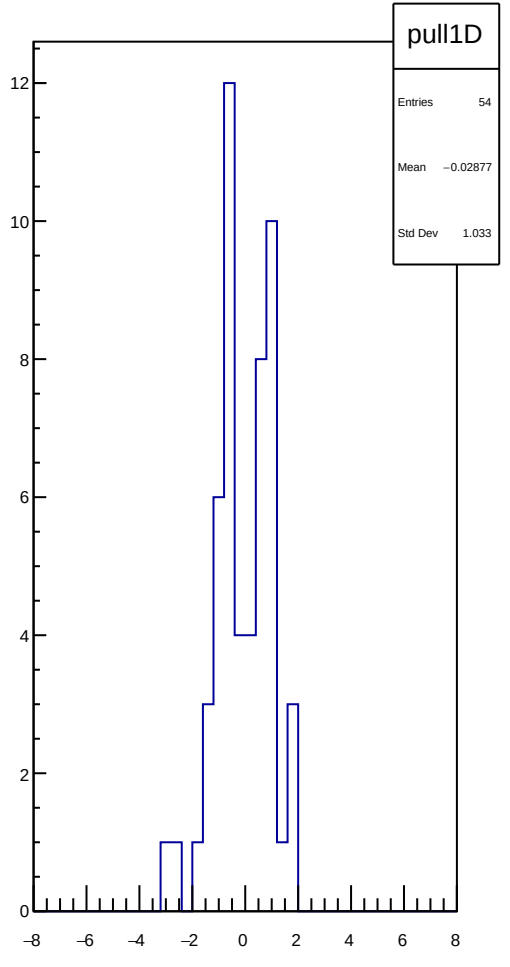

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

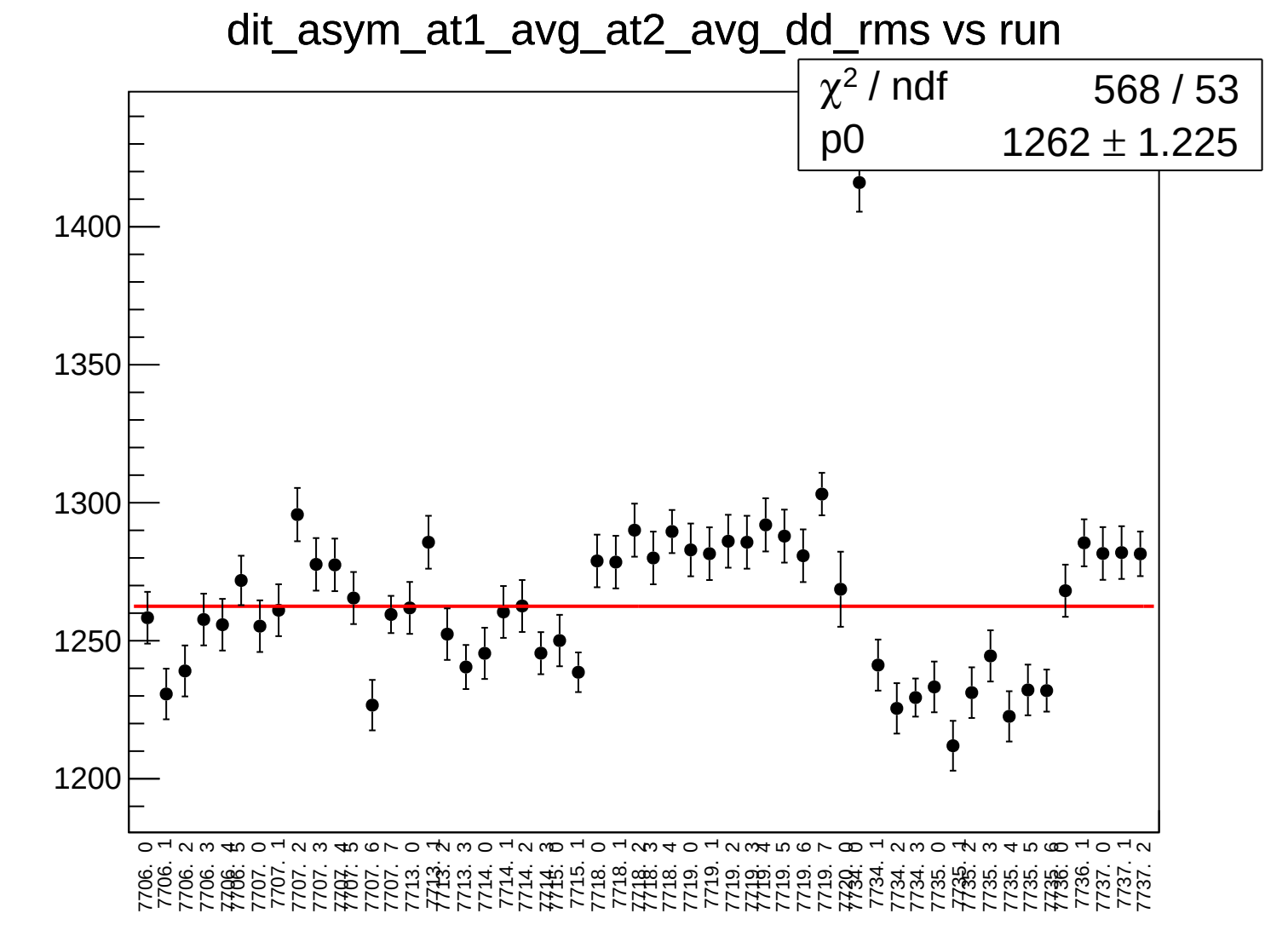

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 760.6
Std Dev 0
3
2
1
0
−1
−2

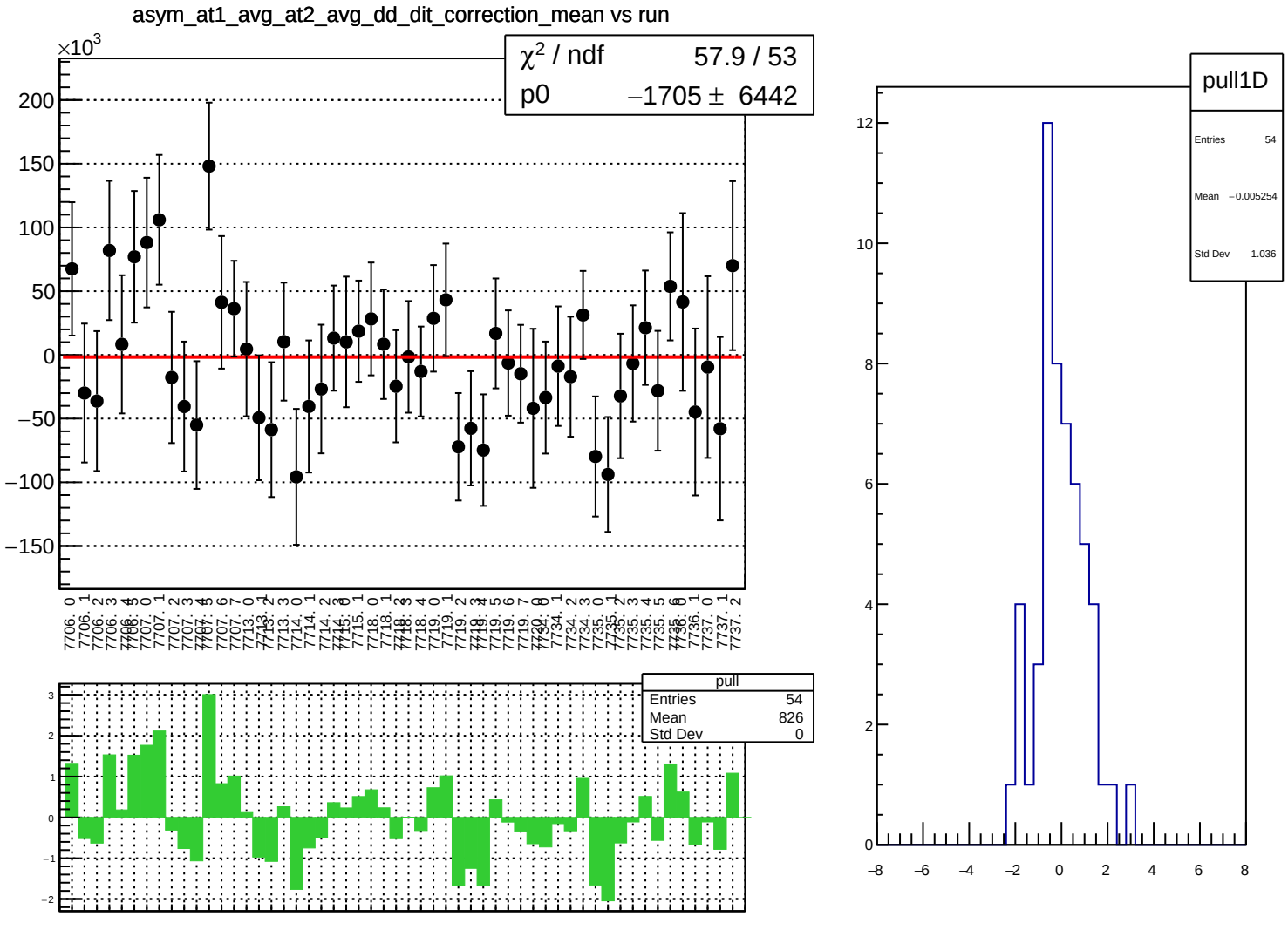

pull1D
Entries 54
Mean −0.005684
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

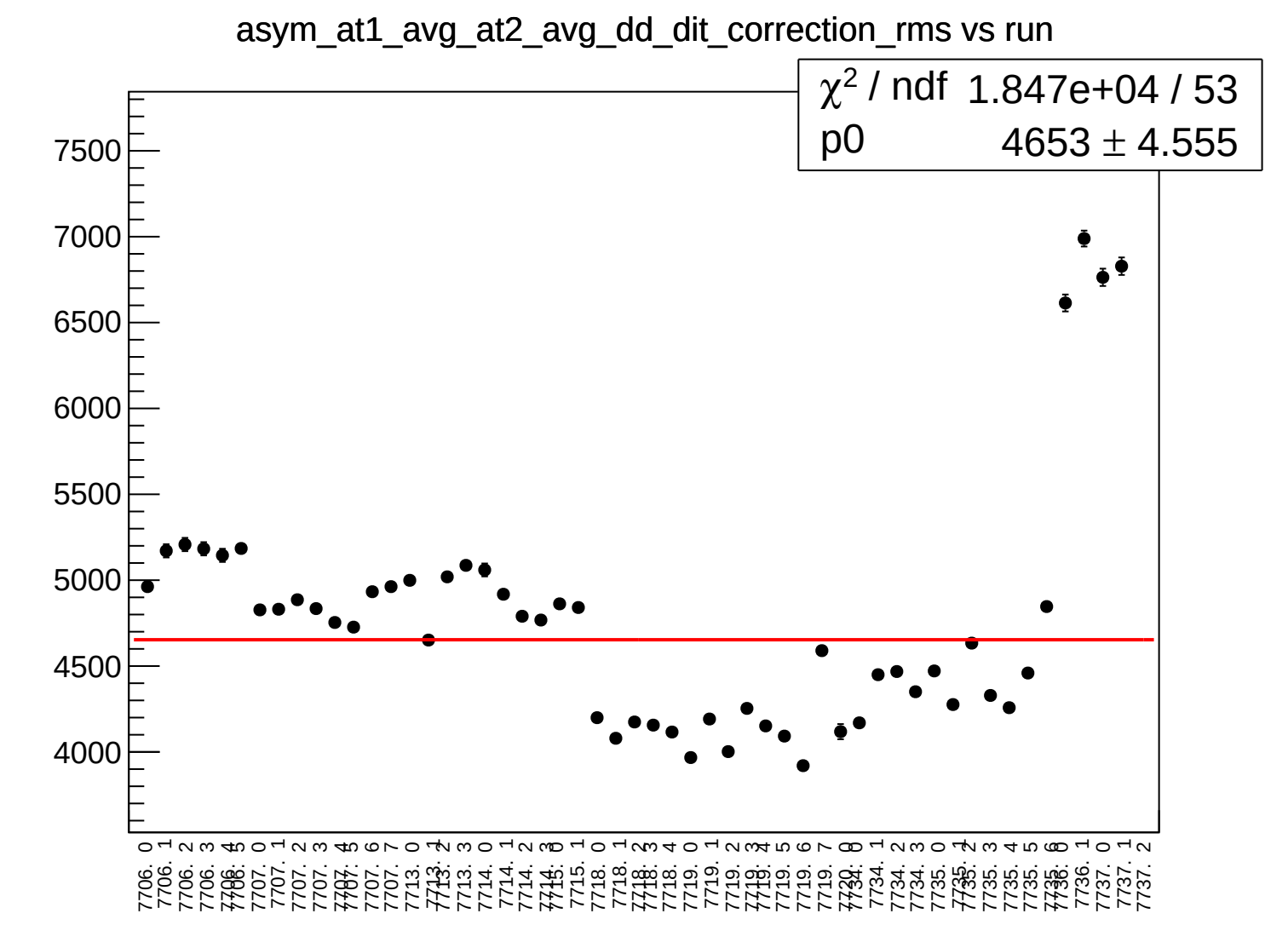

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000

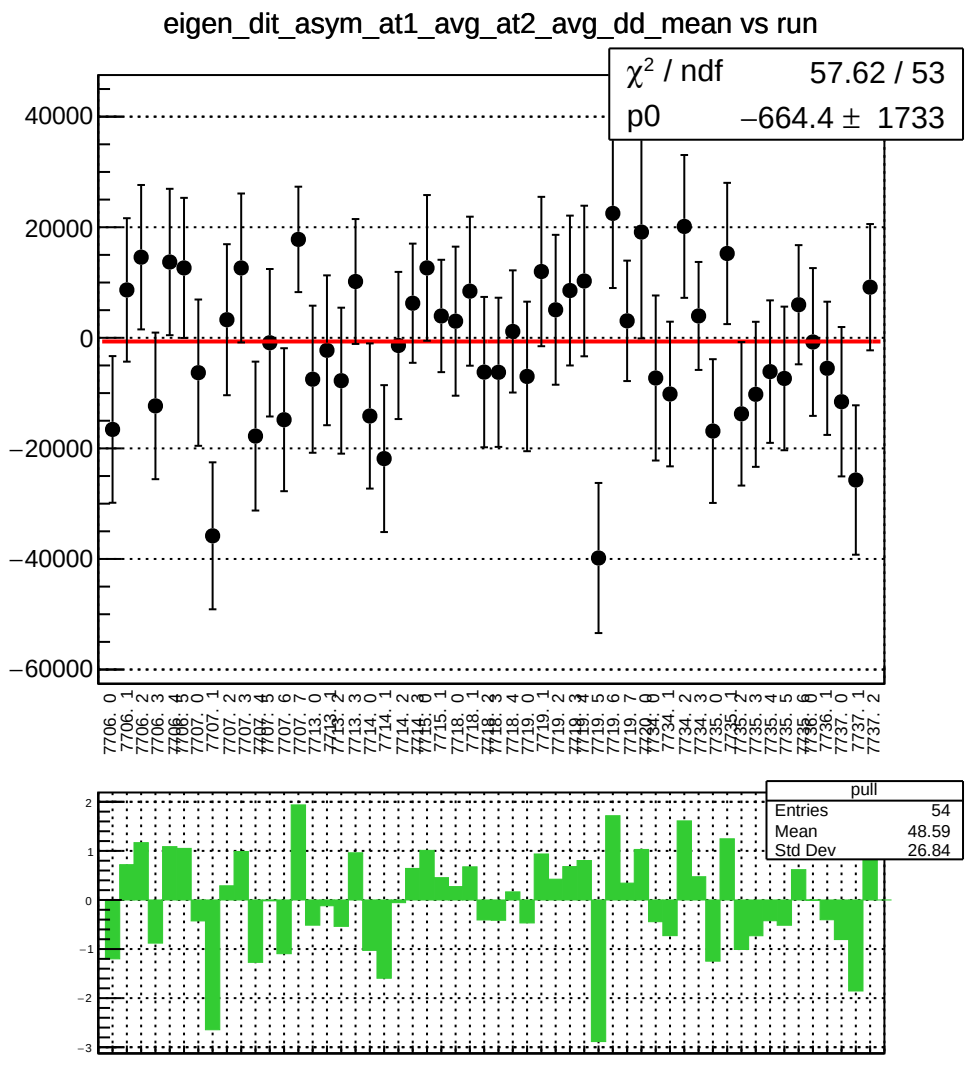

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 57.63 / 53
p0 −664.4 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 48.59
Std Dev 26.84
2
1
0
−1
−2
−3

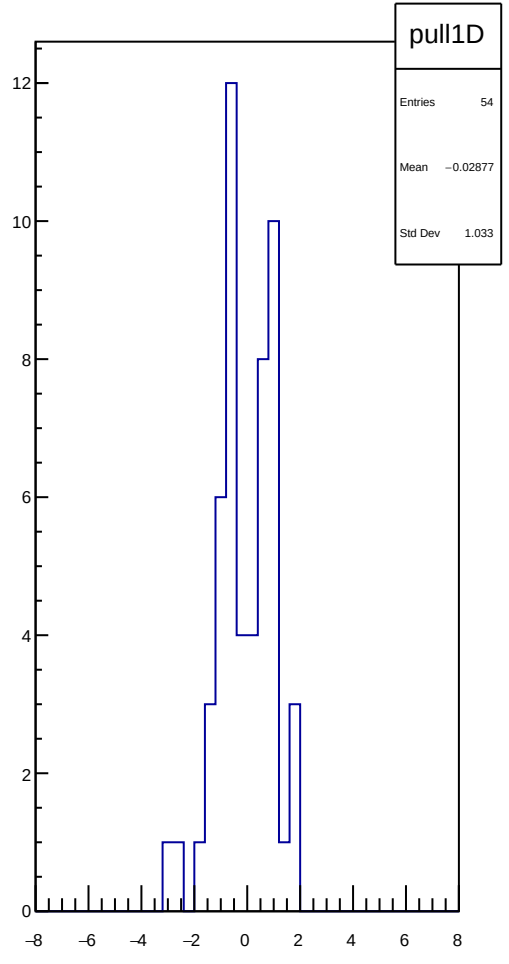

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

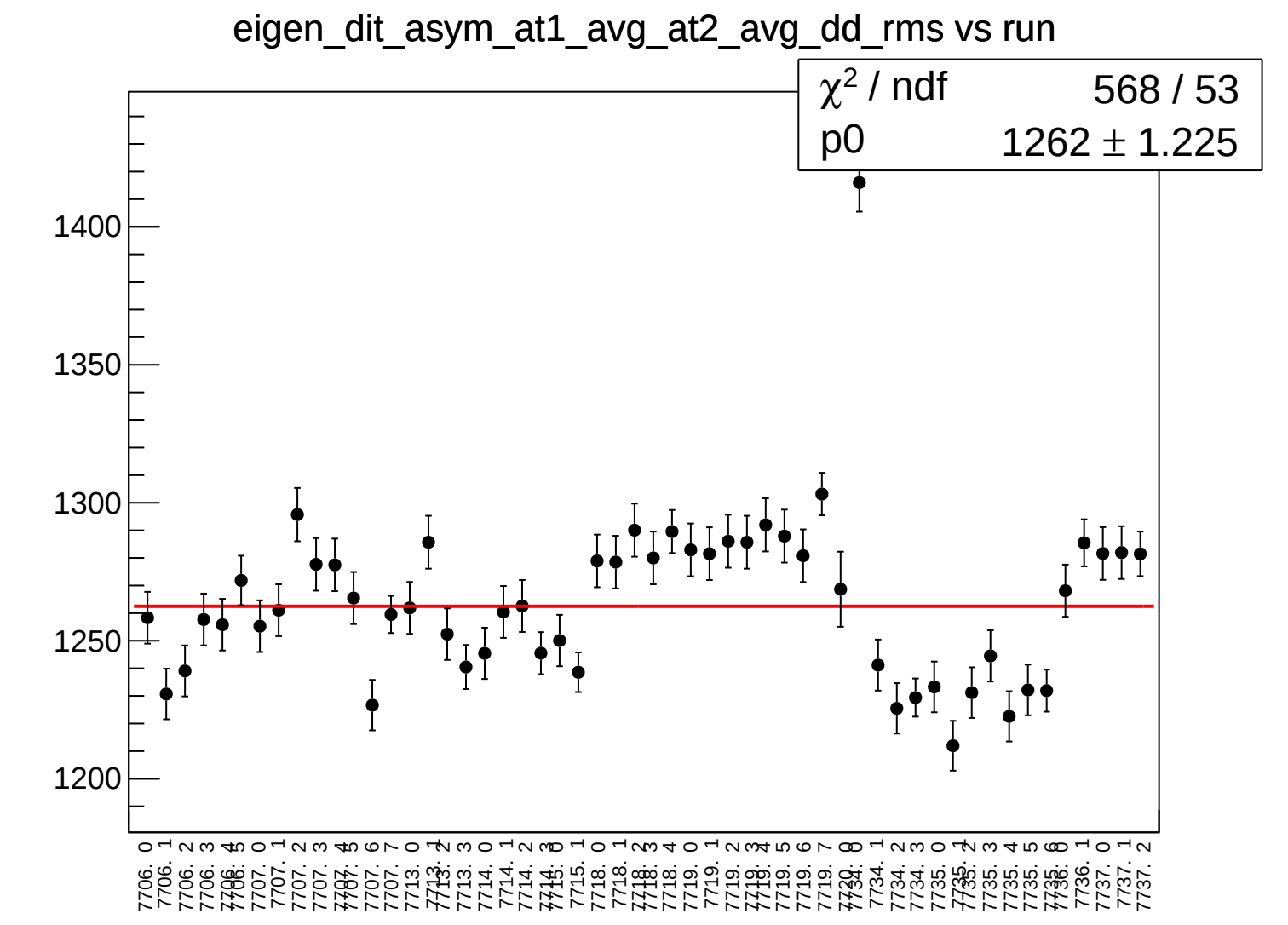

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

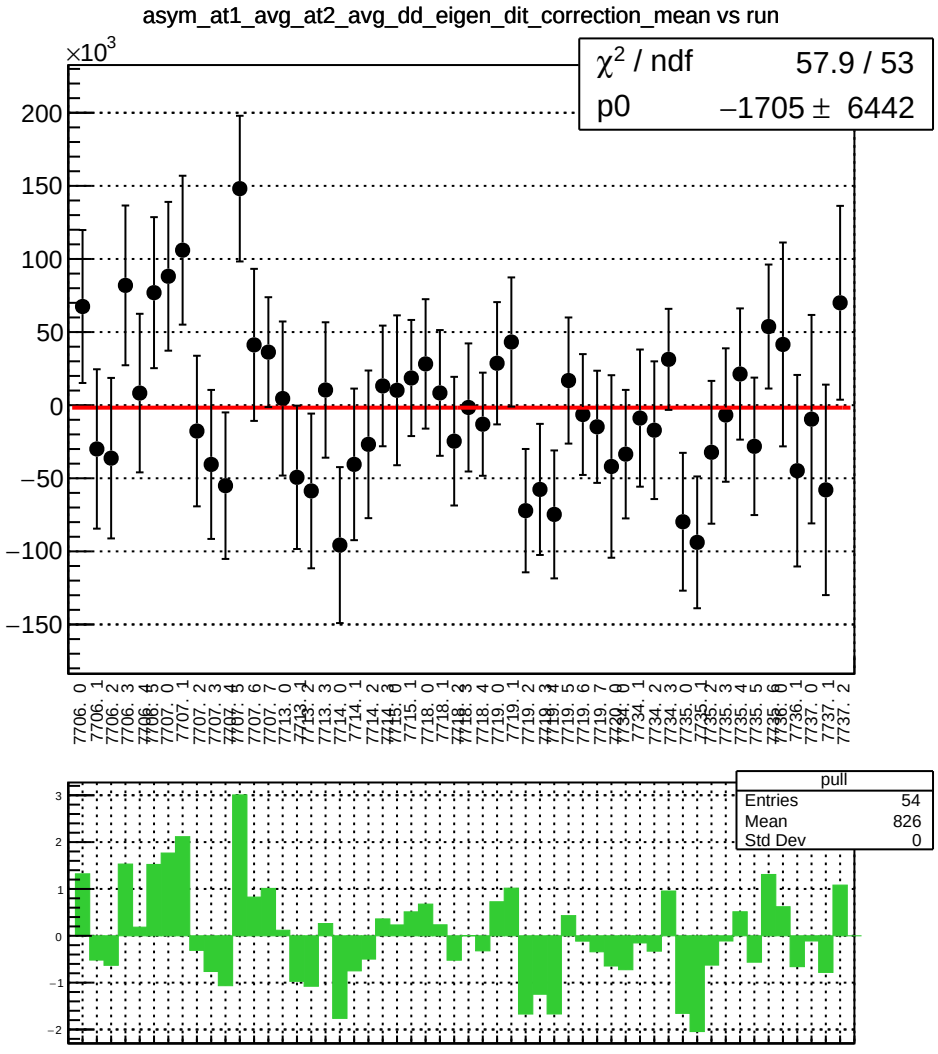

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 826
Std Dev 0
pull1D
Entries 54
Mean −0.005254
Std Dev 1.036

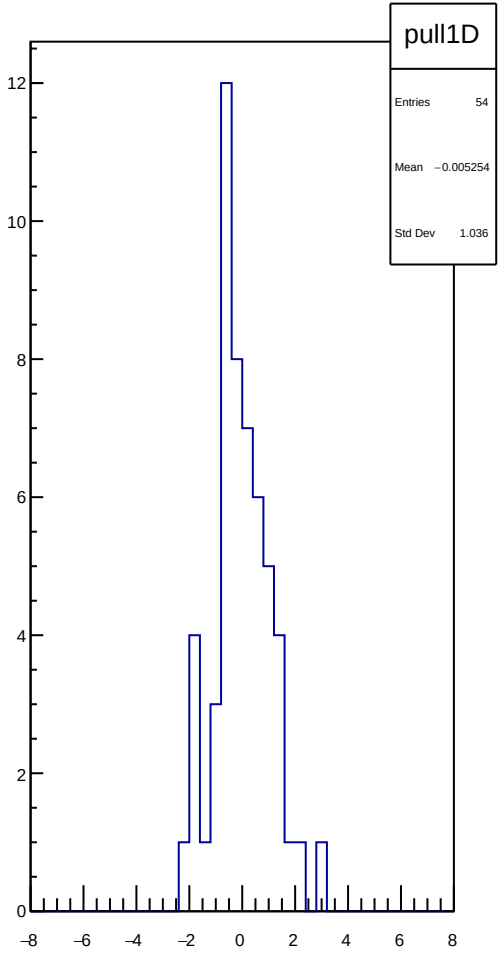

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

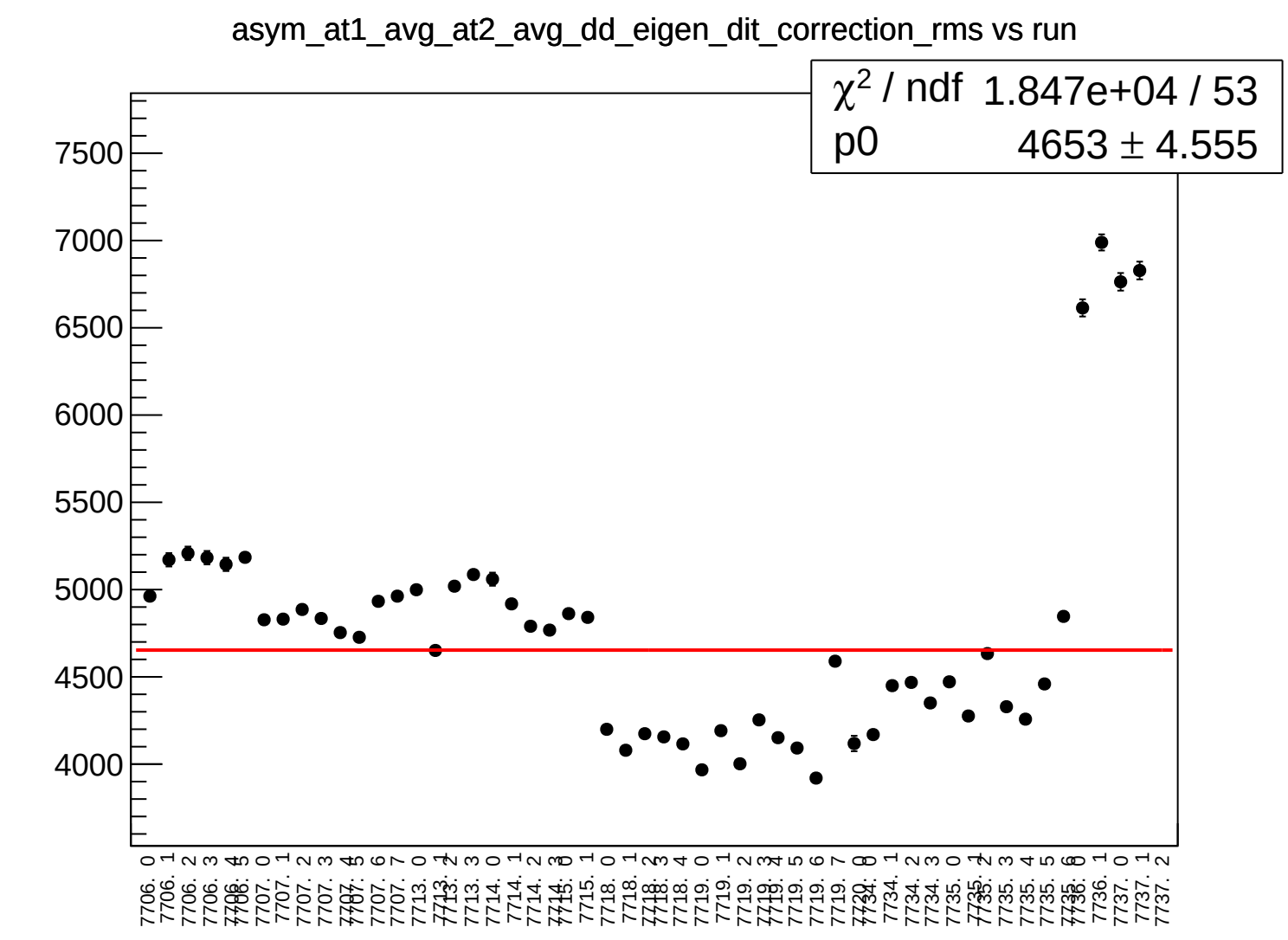

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 57.62 / 53
p0 −664.4 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 48.59
Std Dev 26.84
2
1
0
−1
−2
−3

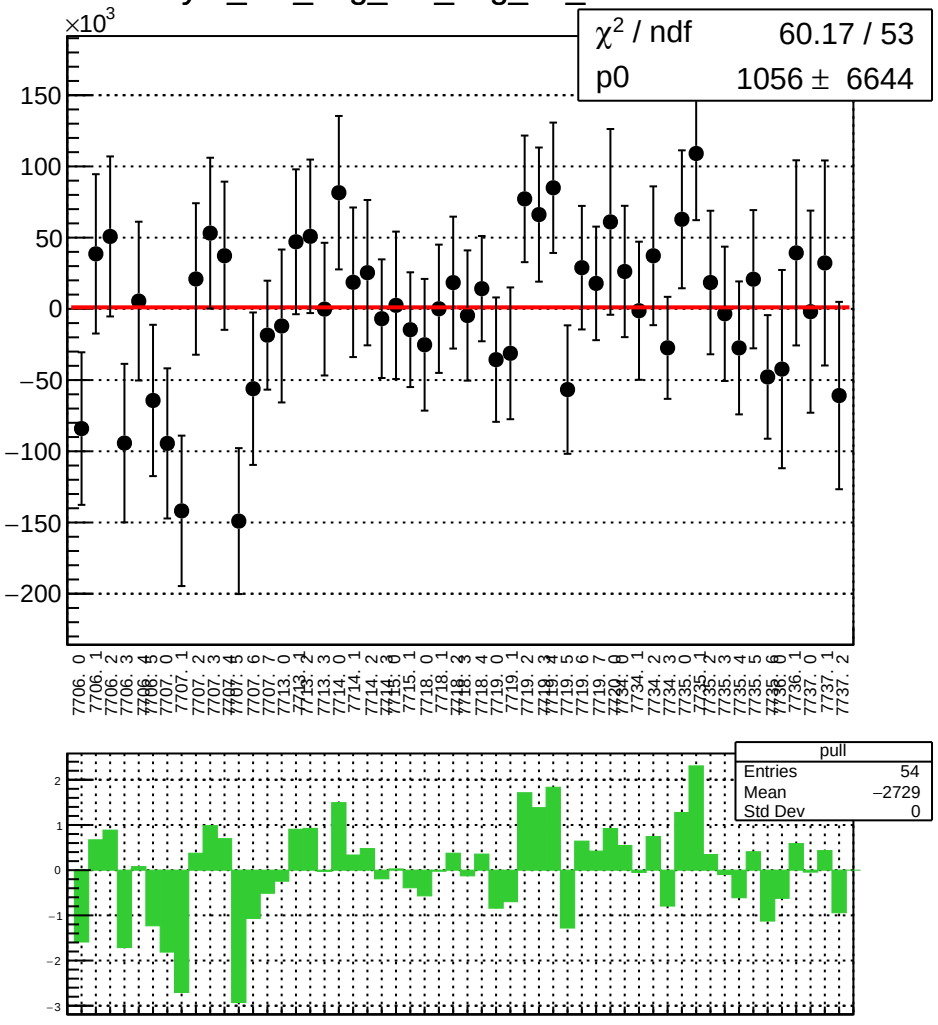

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

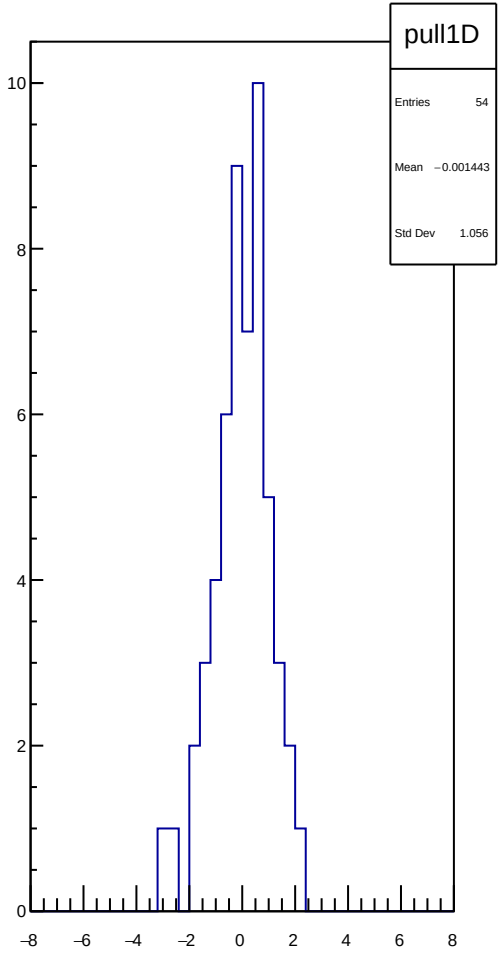

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200

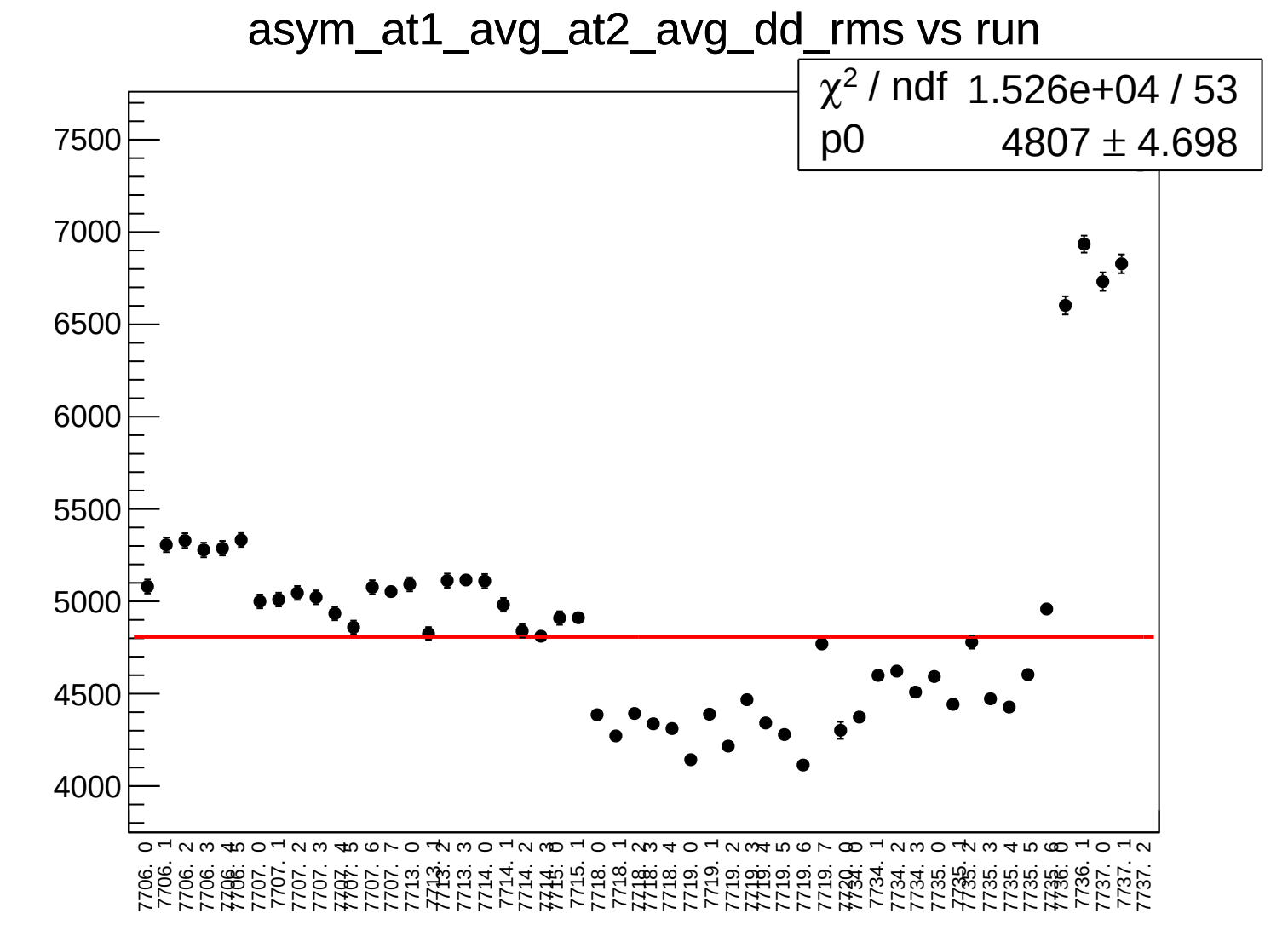

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
pull
Entries 54
Mean 826
Std Dev 0

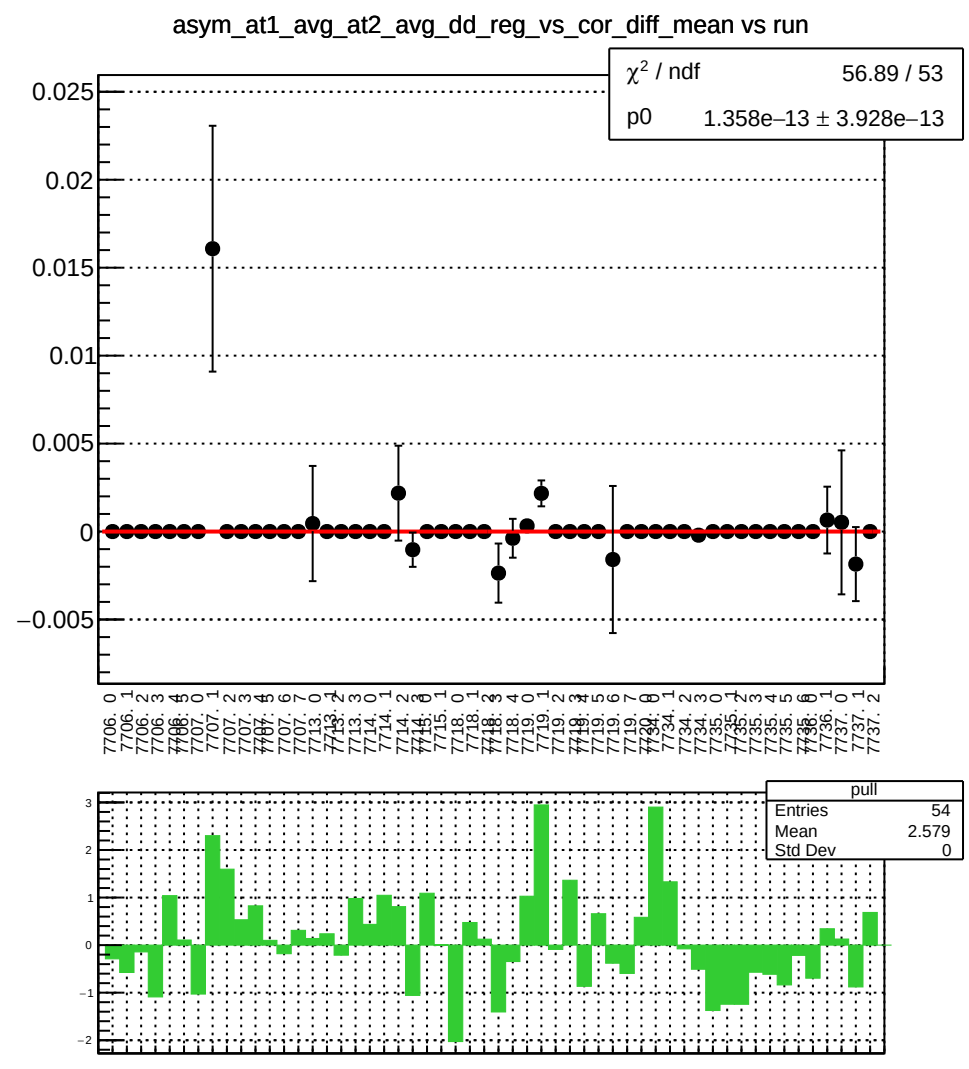

pull1D
Entries 54
Mean −0.005254
Std Dev 1.036

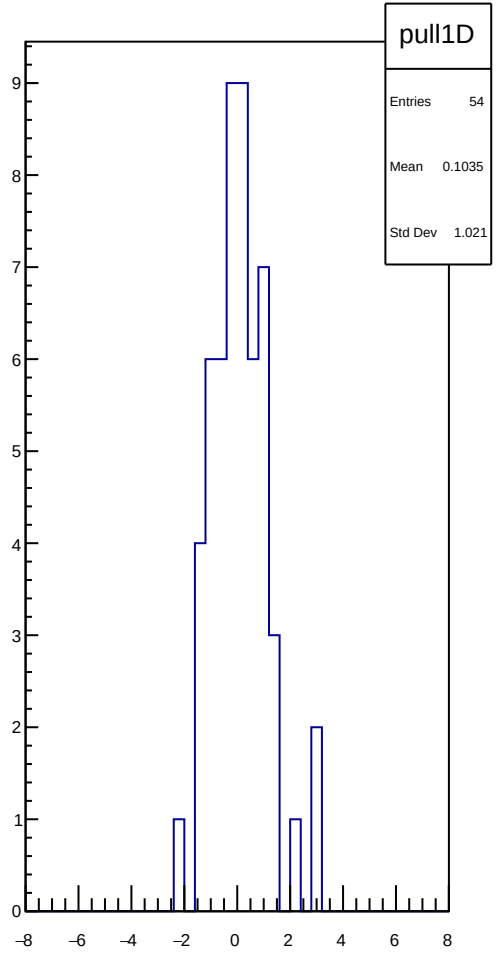

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

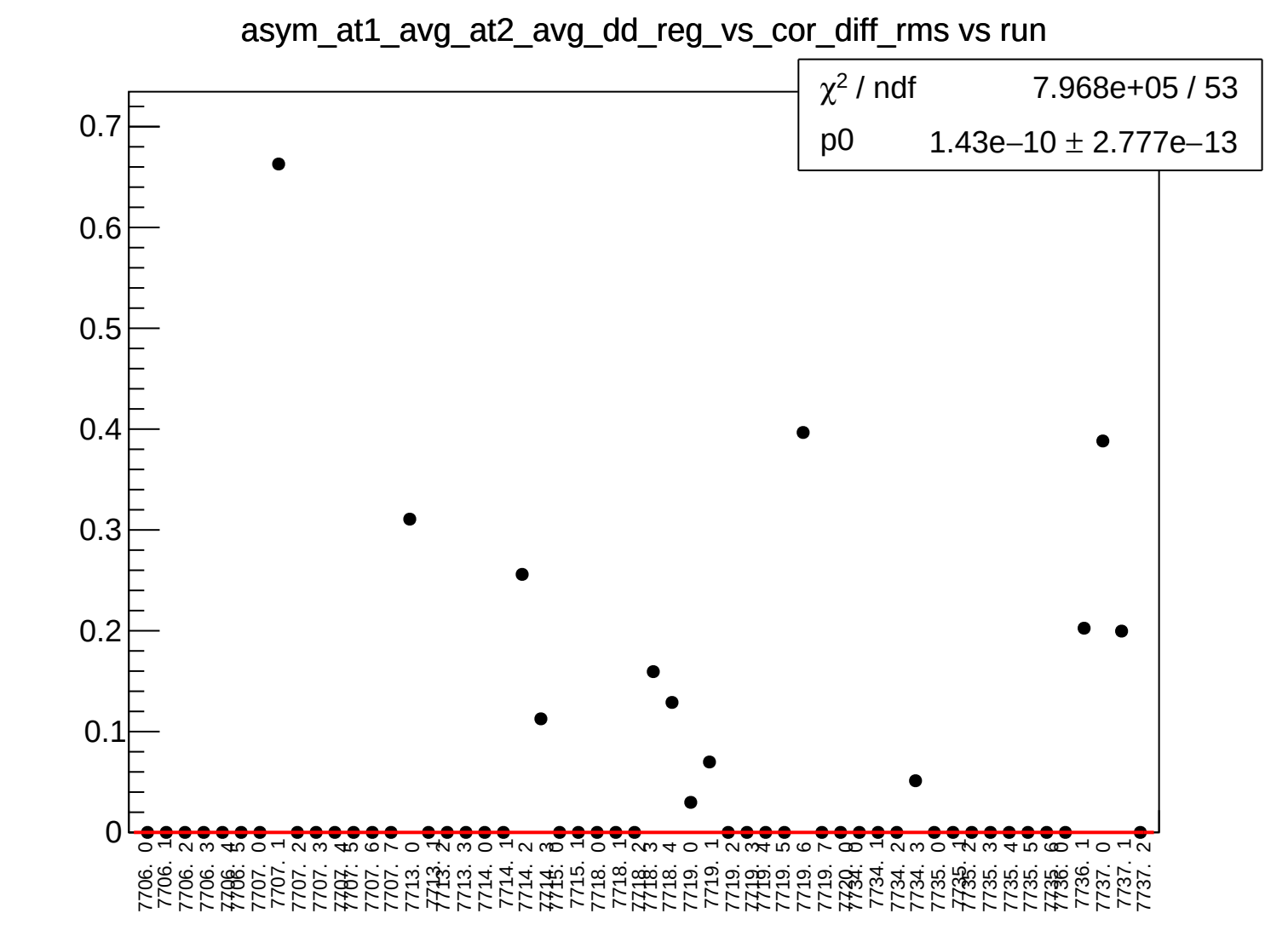

asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 60.17 / 53
p0 1056 ± 6644
pull
Entries 54
Mean −2729
Std Dev 0

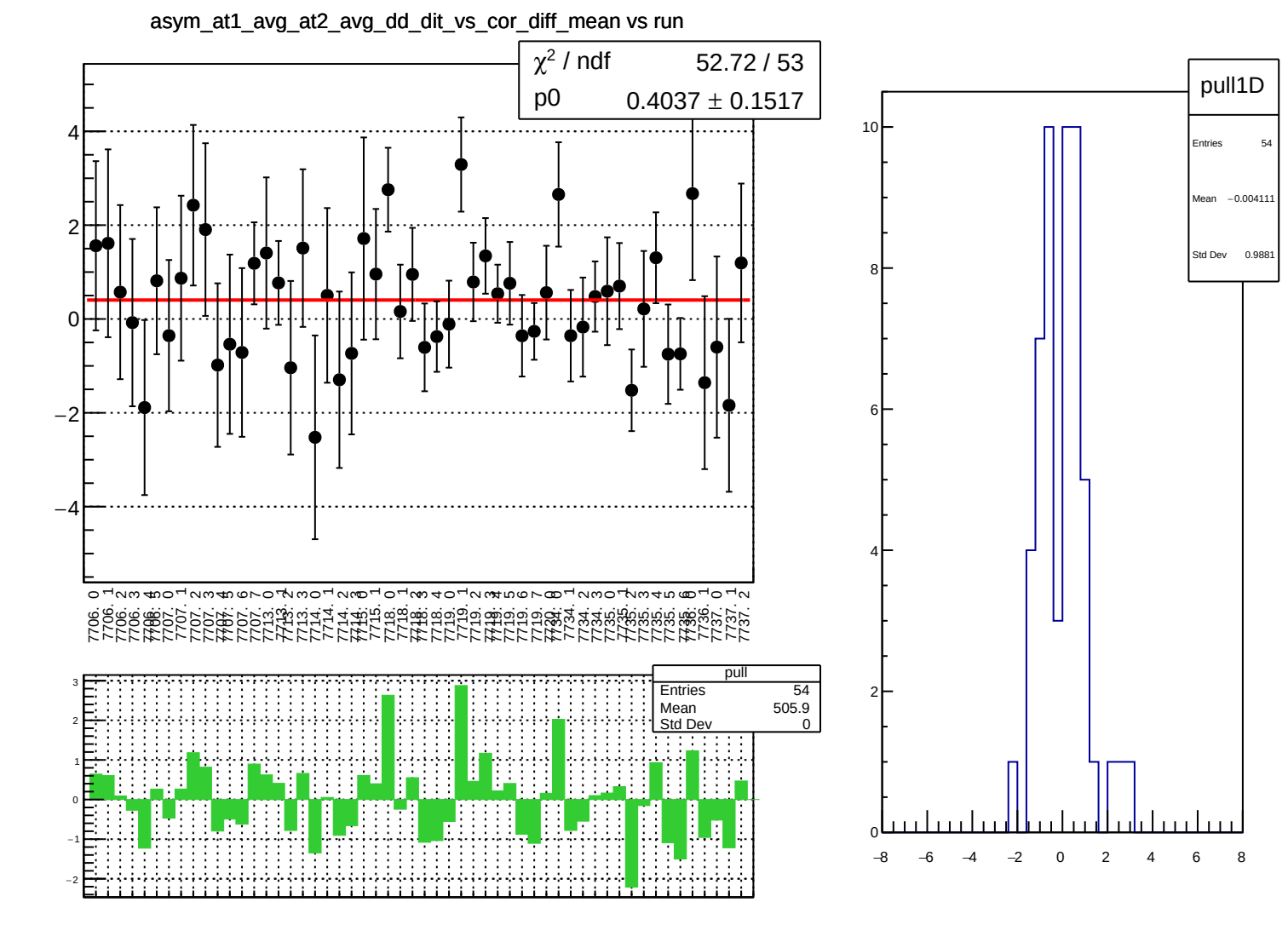

pull1D
Entries 54
Mean −0.001443
Std Dev 1.056

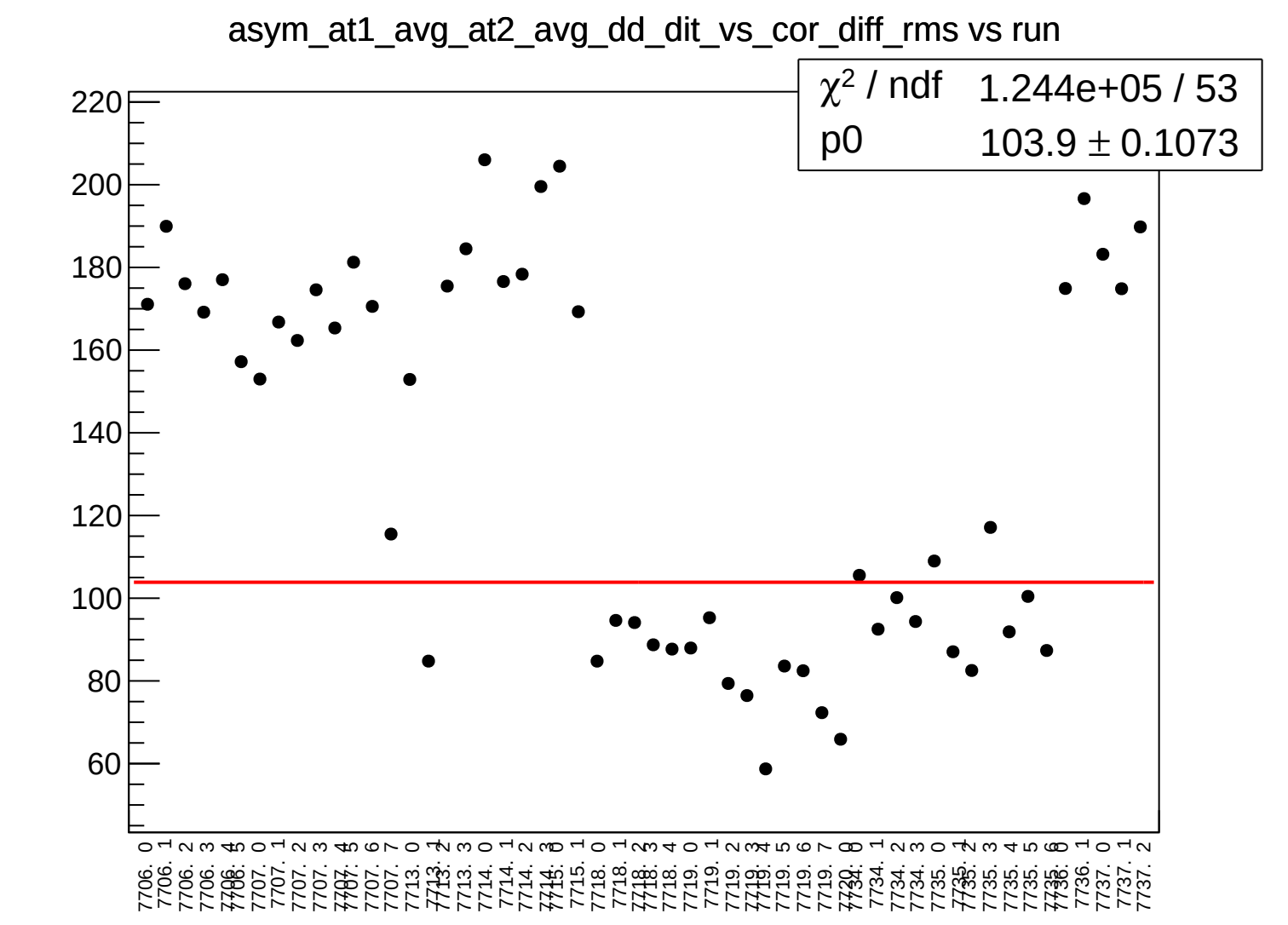

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1.526e+04 / 53
p0 4807 ± 4.698
7500
7000
6500
6000
5500
5000
4500
4000


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.89 / 53
p0 1.358e−13 ± 3.928e−13
pull
Entries 54
Mean 2.579
Std Dev 0

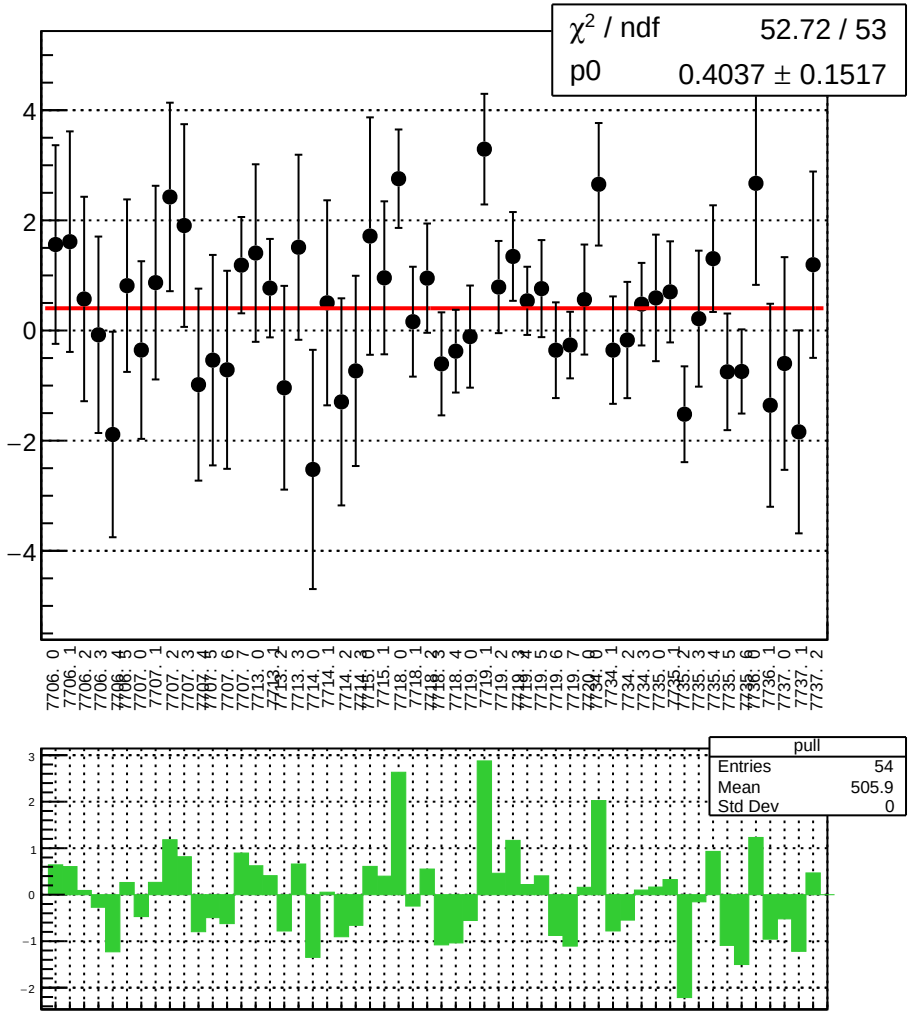

pull1D
Entries 54
Mean 0.1035
Std Dev 1.021

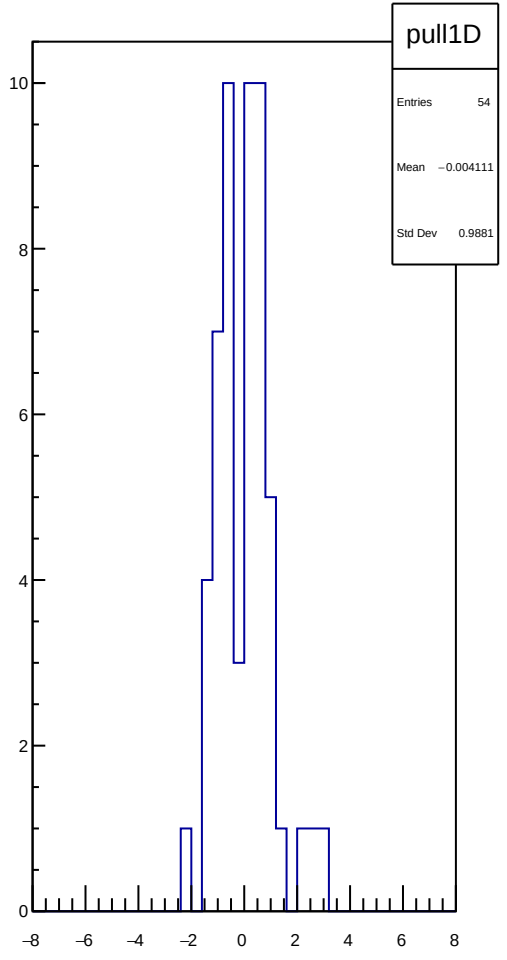

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.968e+05 / 53
p0 1.43e−10 ± 2.777e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

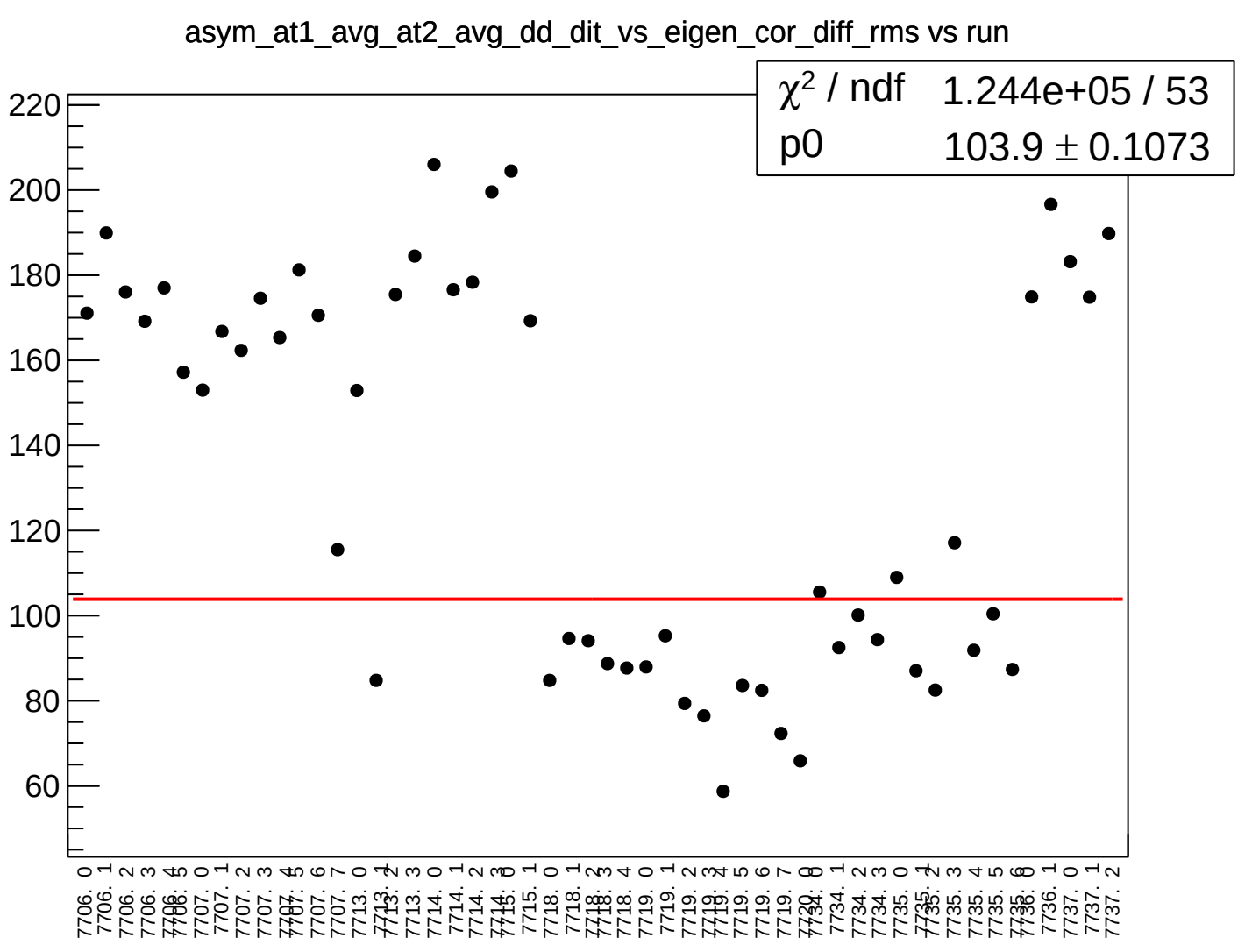

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.72 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 505.9
Std Dev 0
pull1D
Entries 54
Mean −0.004111
Std Dev 0.9881

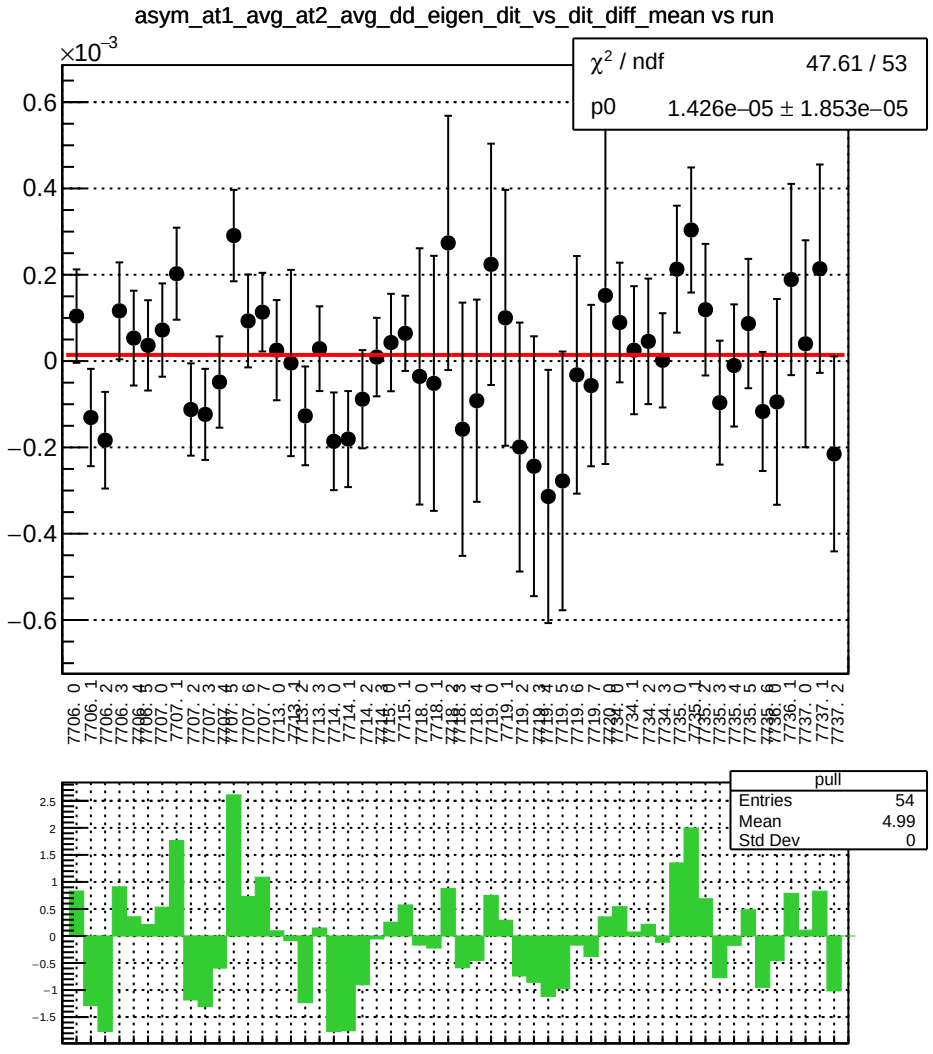

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

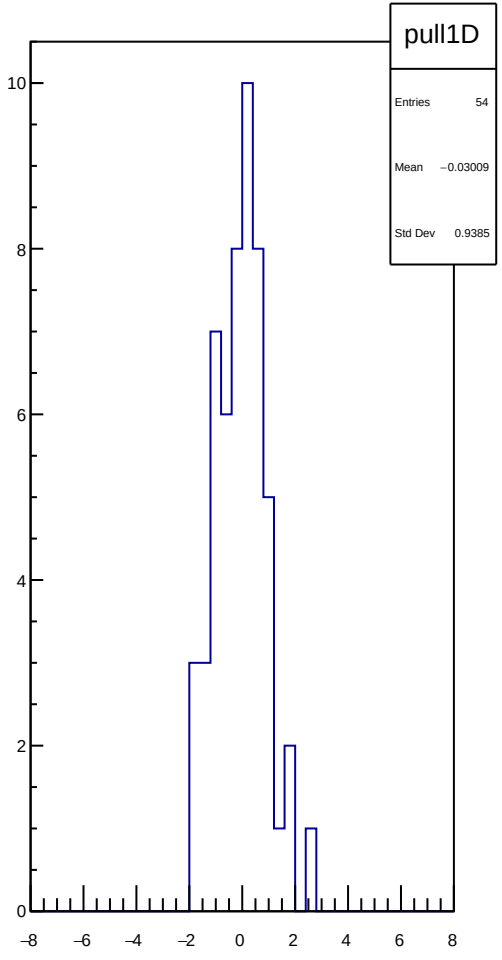
asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run

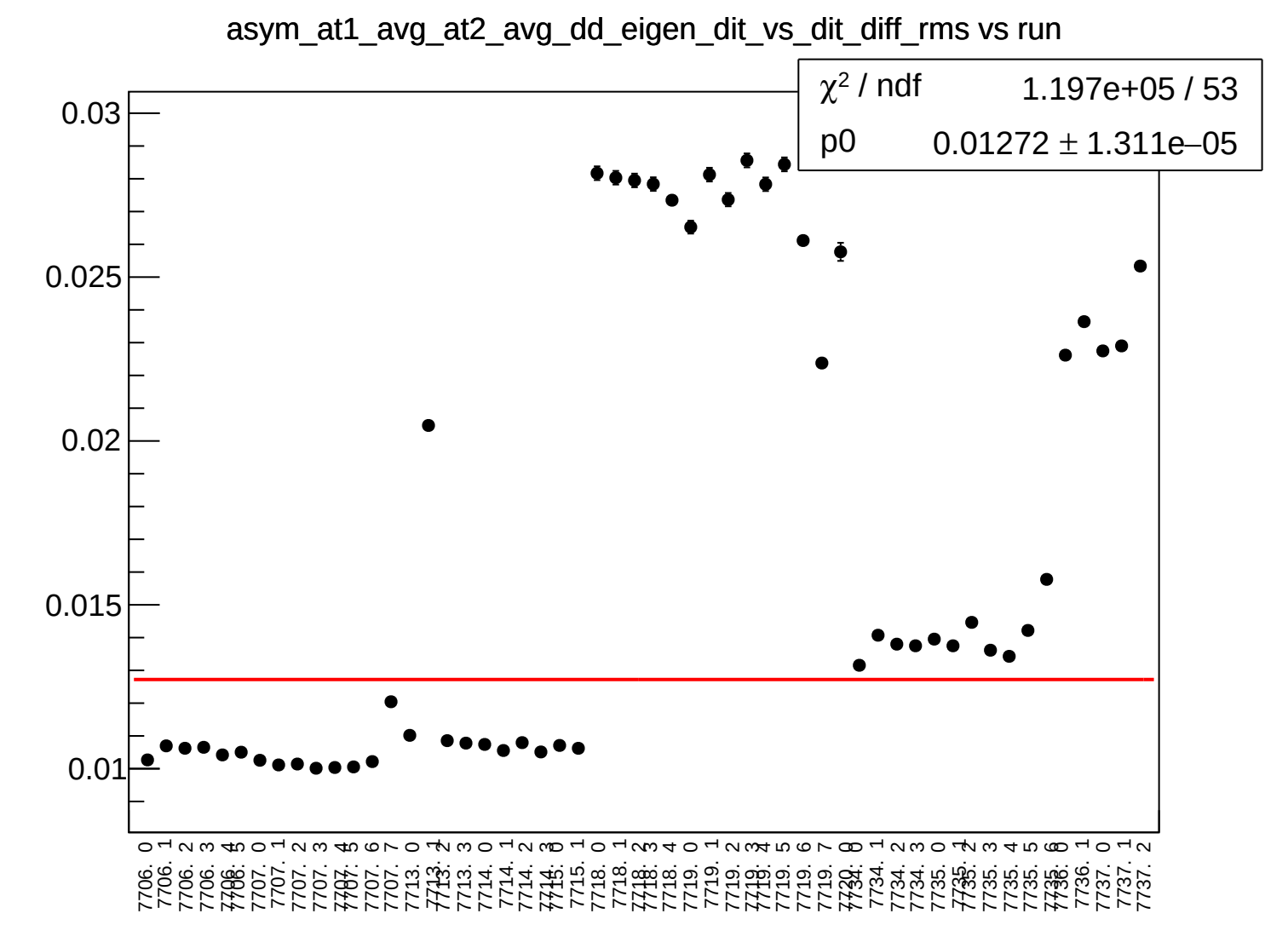




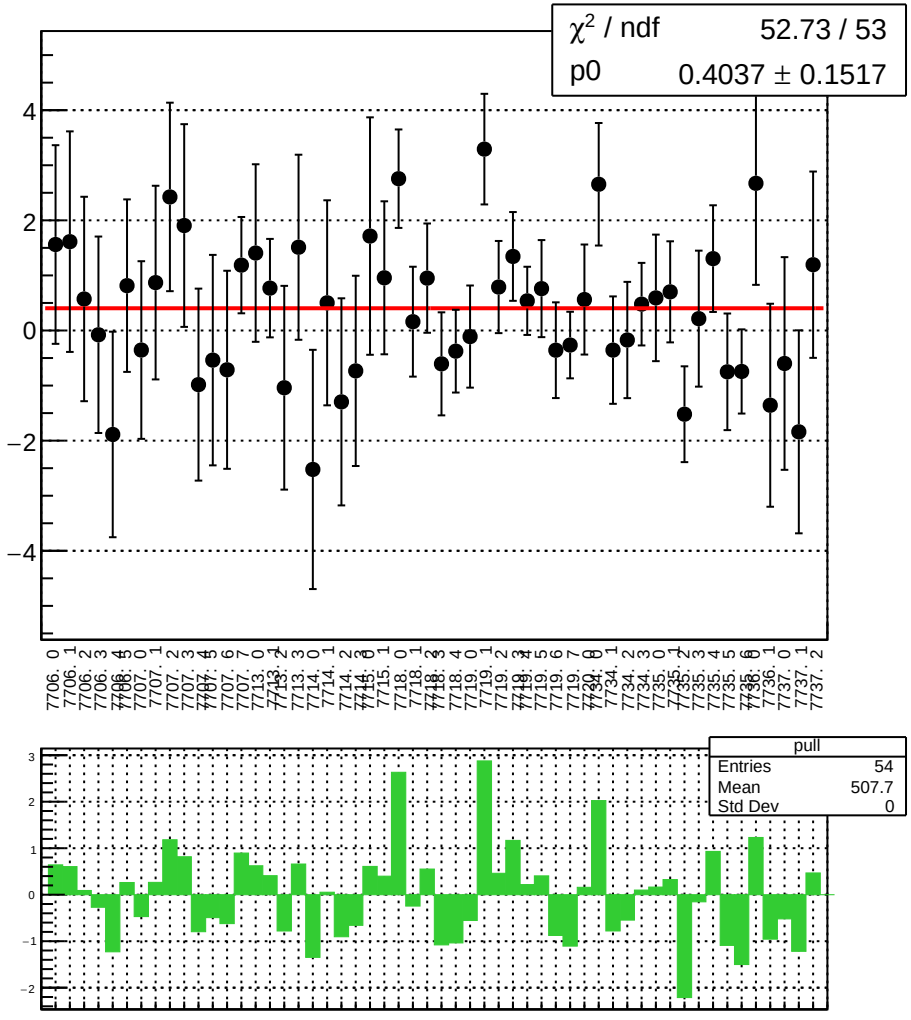

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

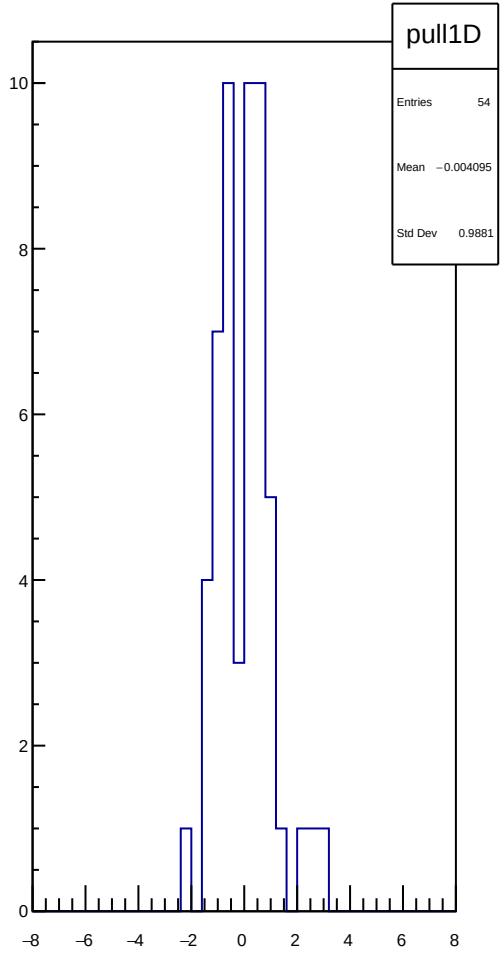

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.61 / 53
p0 1.426e−05 ± 1.853e−05
pull
Entries 54
Mean 4.99
Std Dev 0

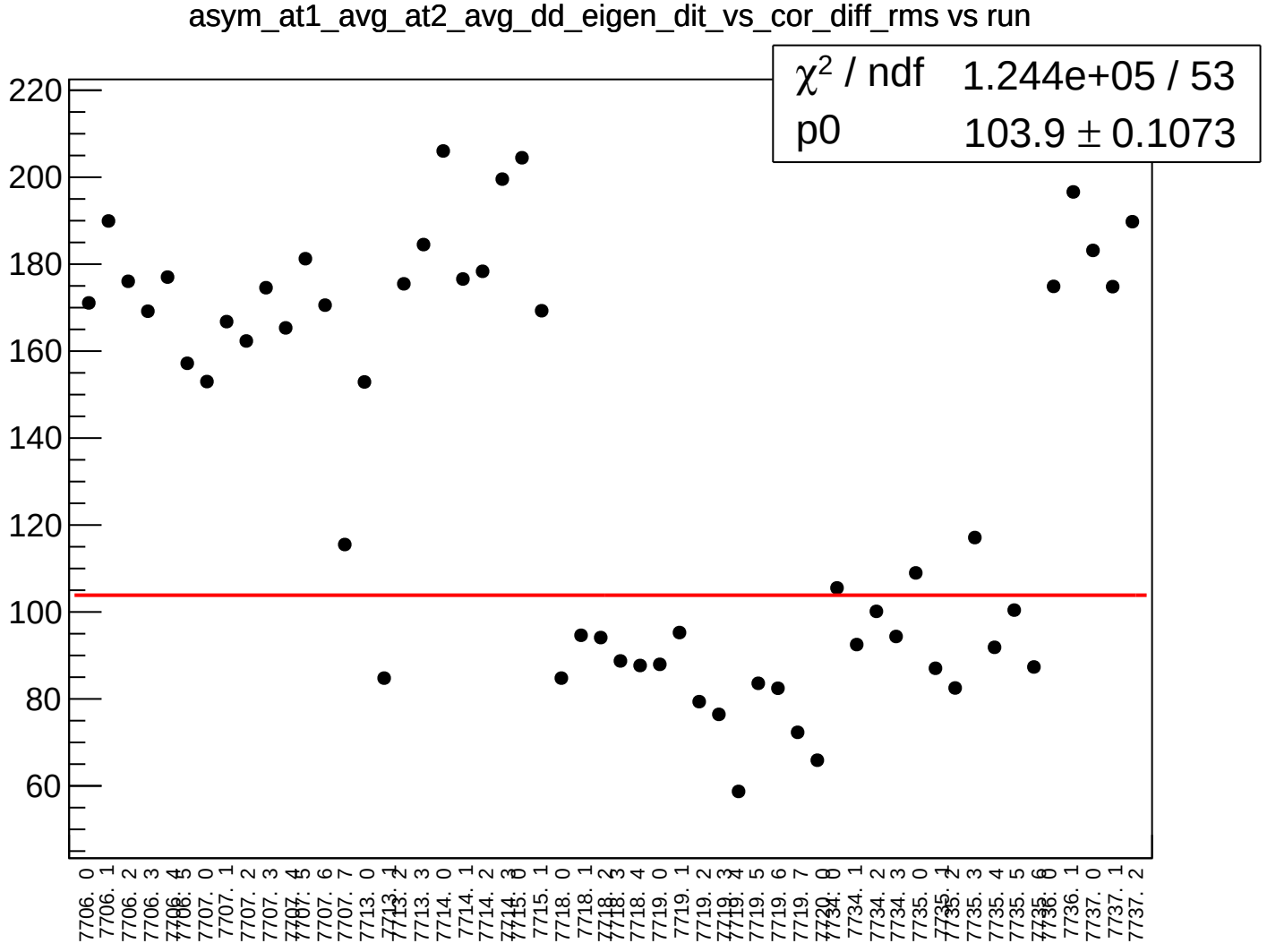

pull1D
Entries 54
Mean −0.03009
Std Dev 0.9385


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.197e+05 / 53
p0 0.01272 ± 1.311e−05
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

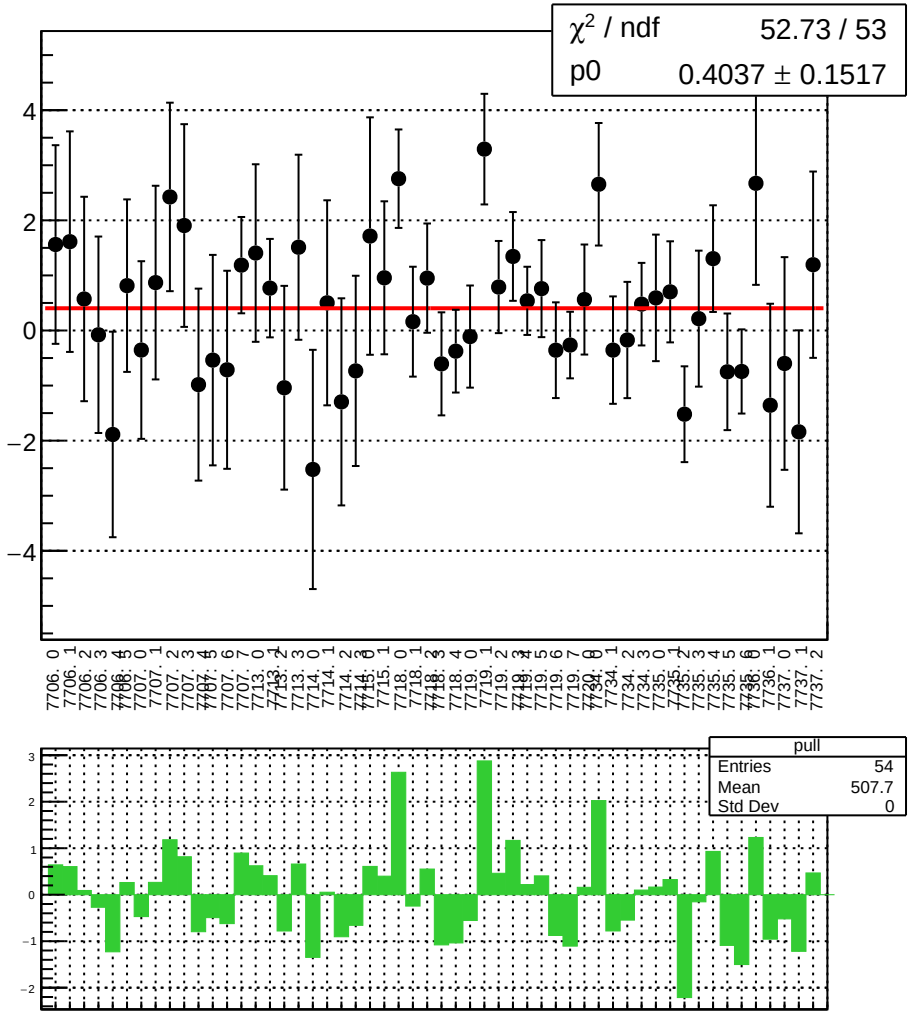
asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run

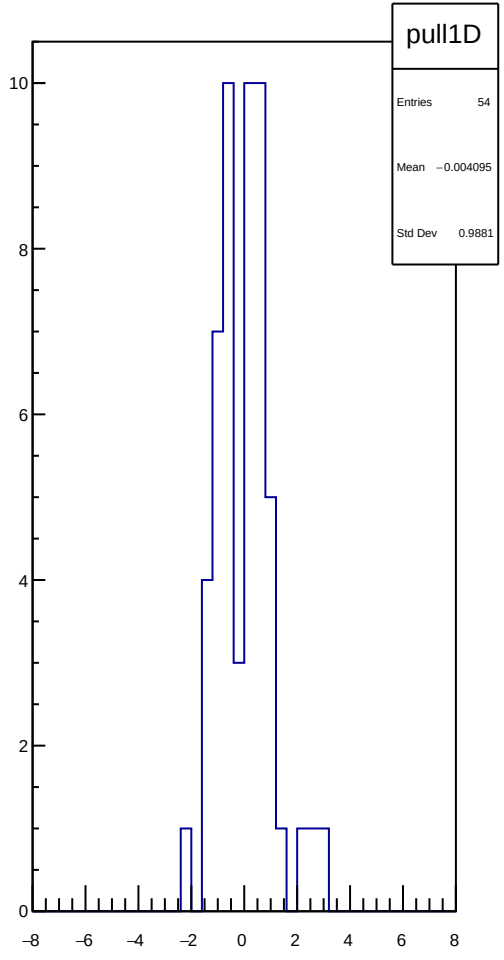


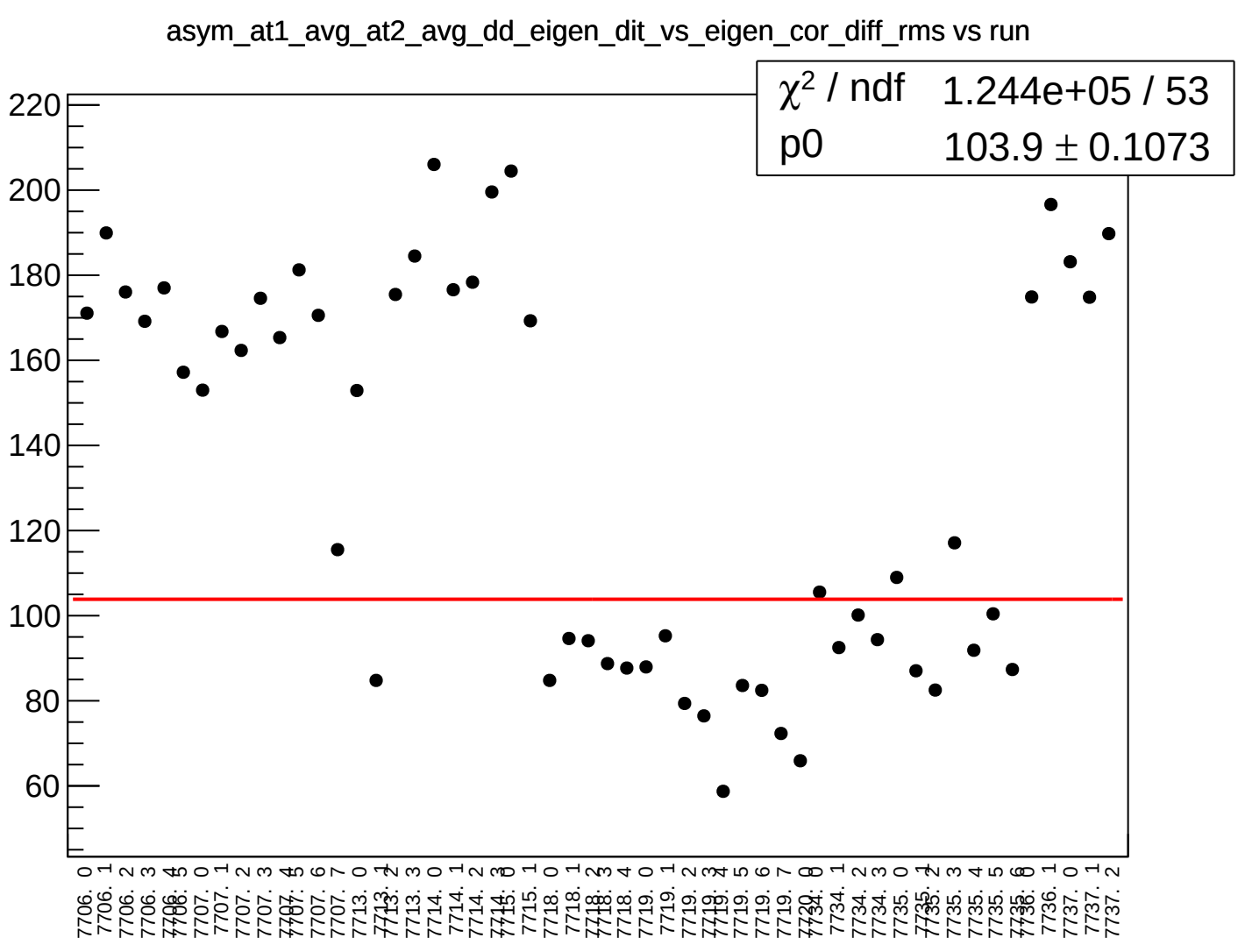


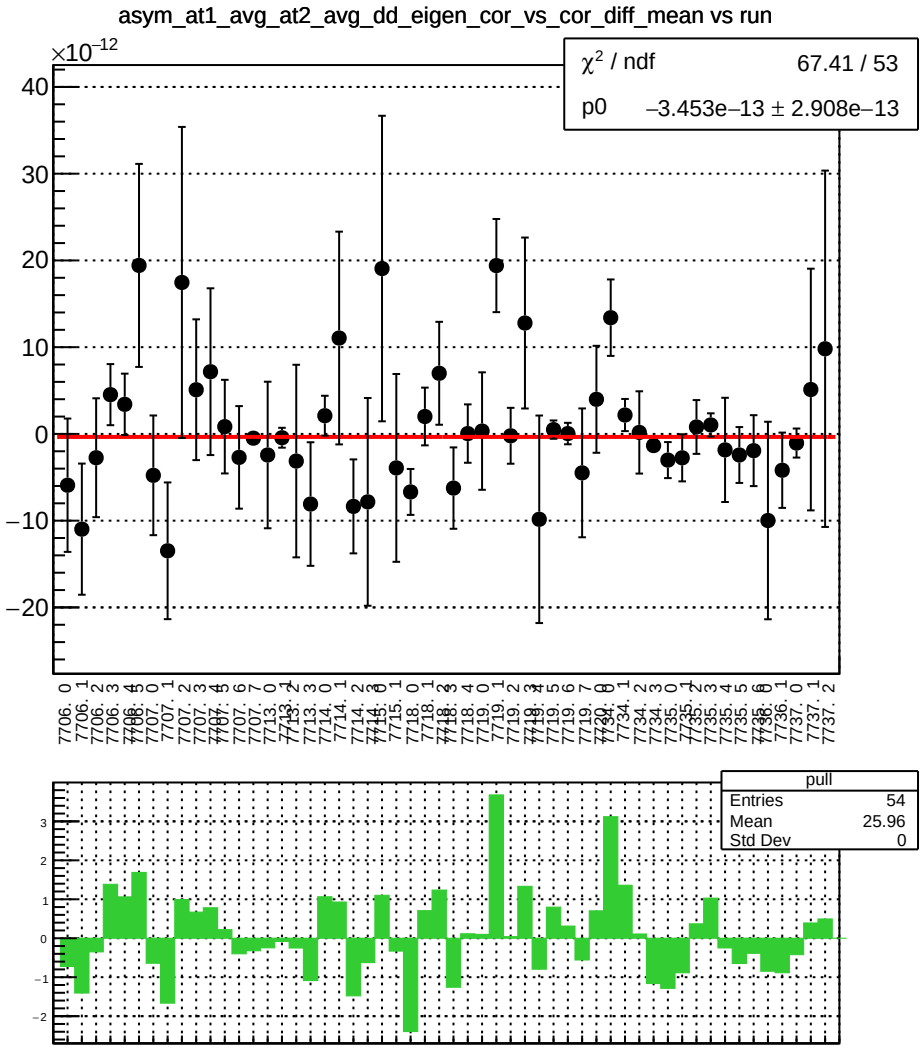

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

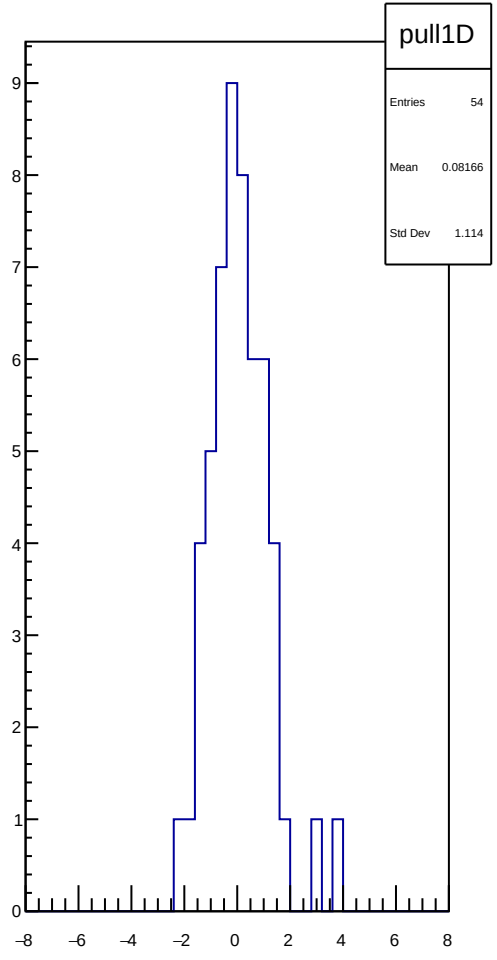
asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

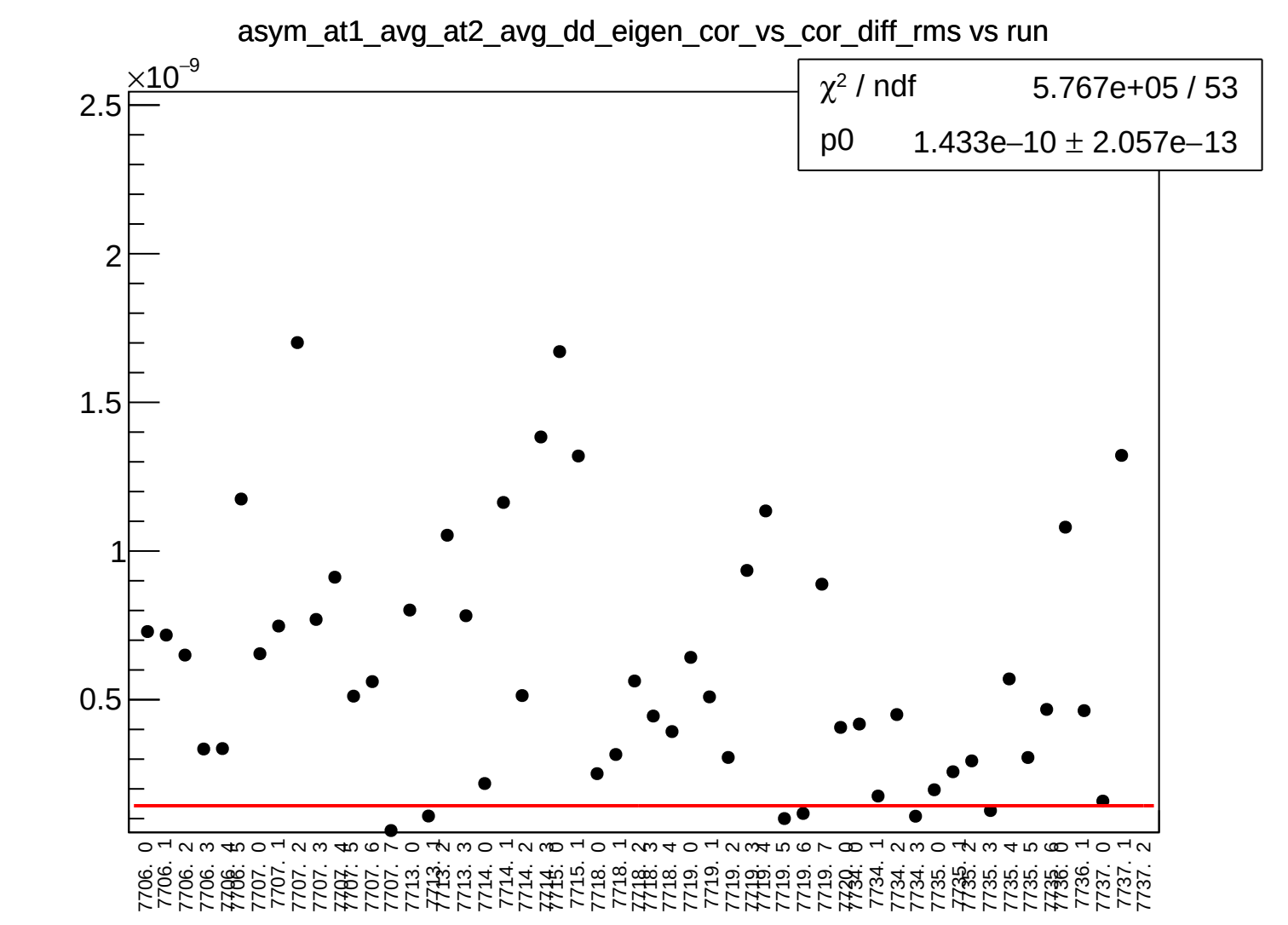


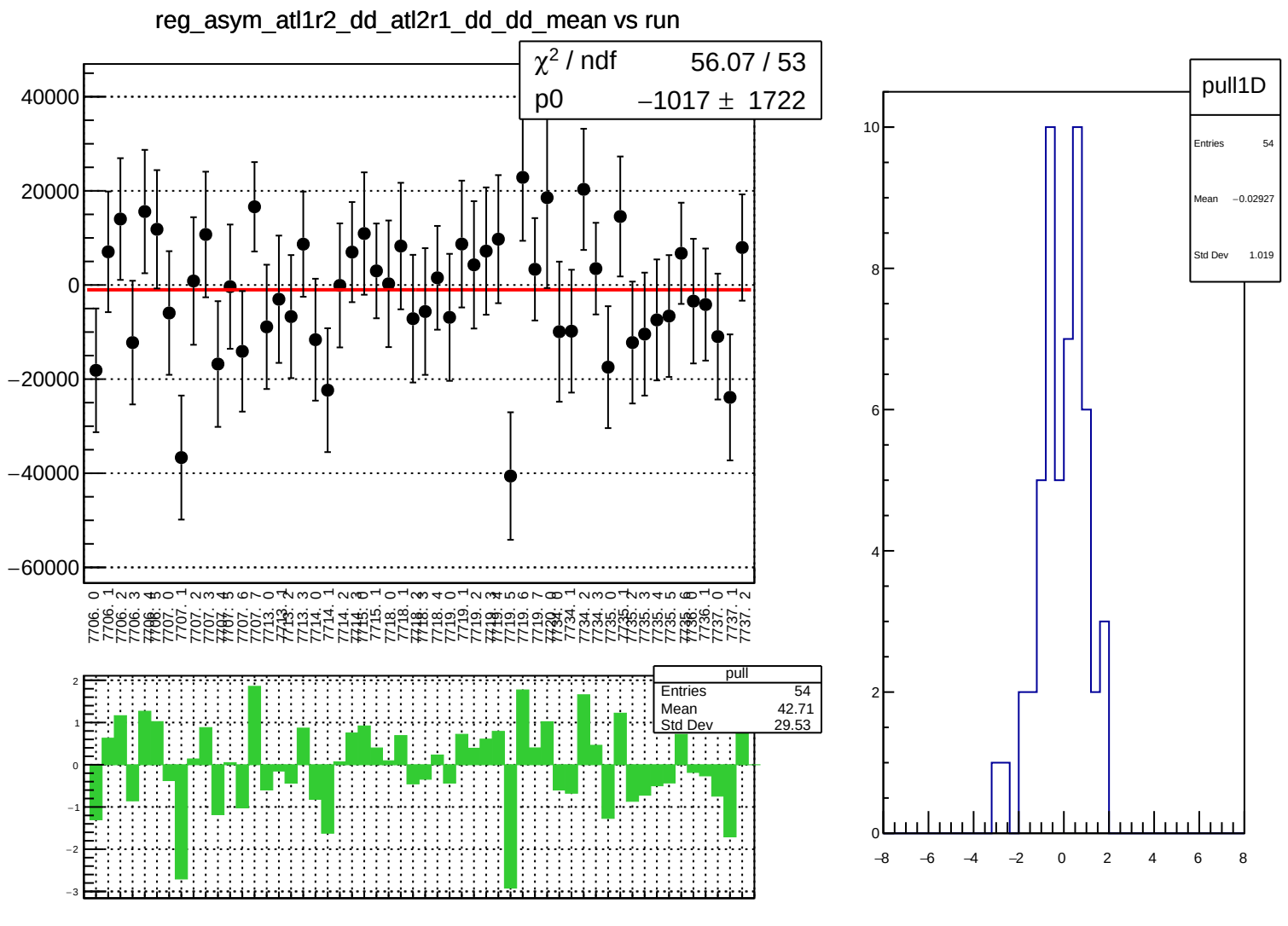


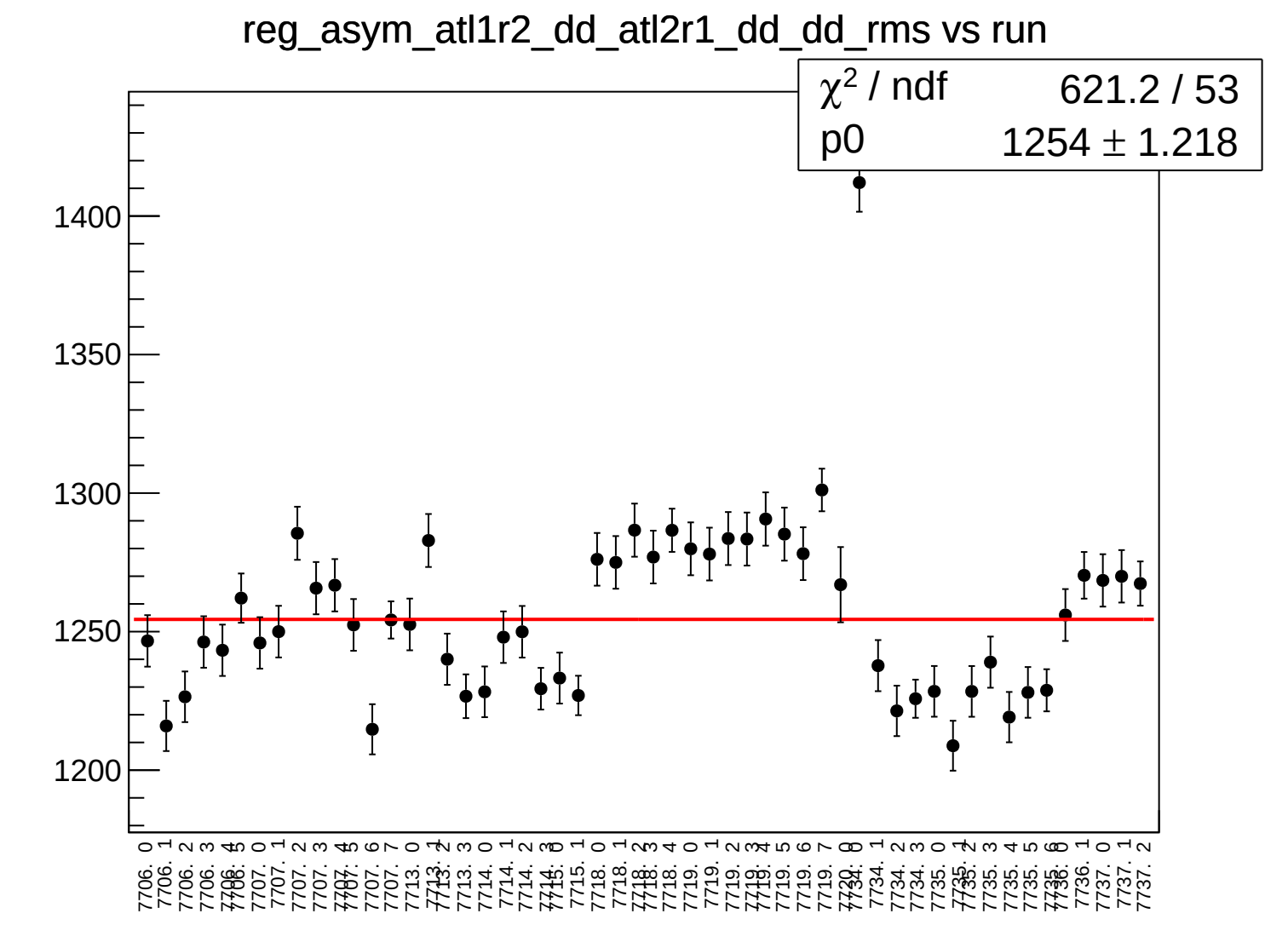

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

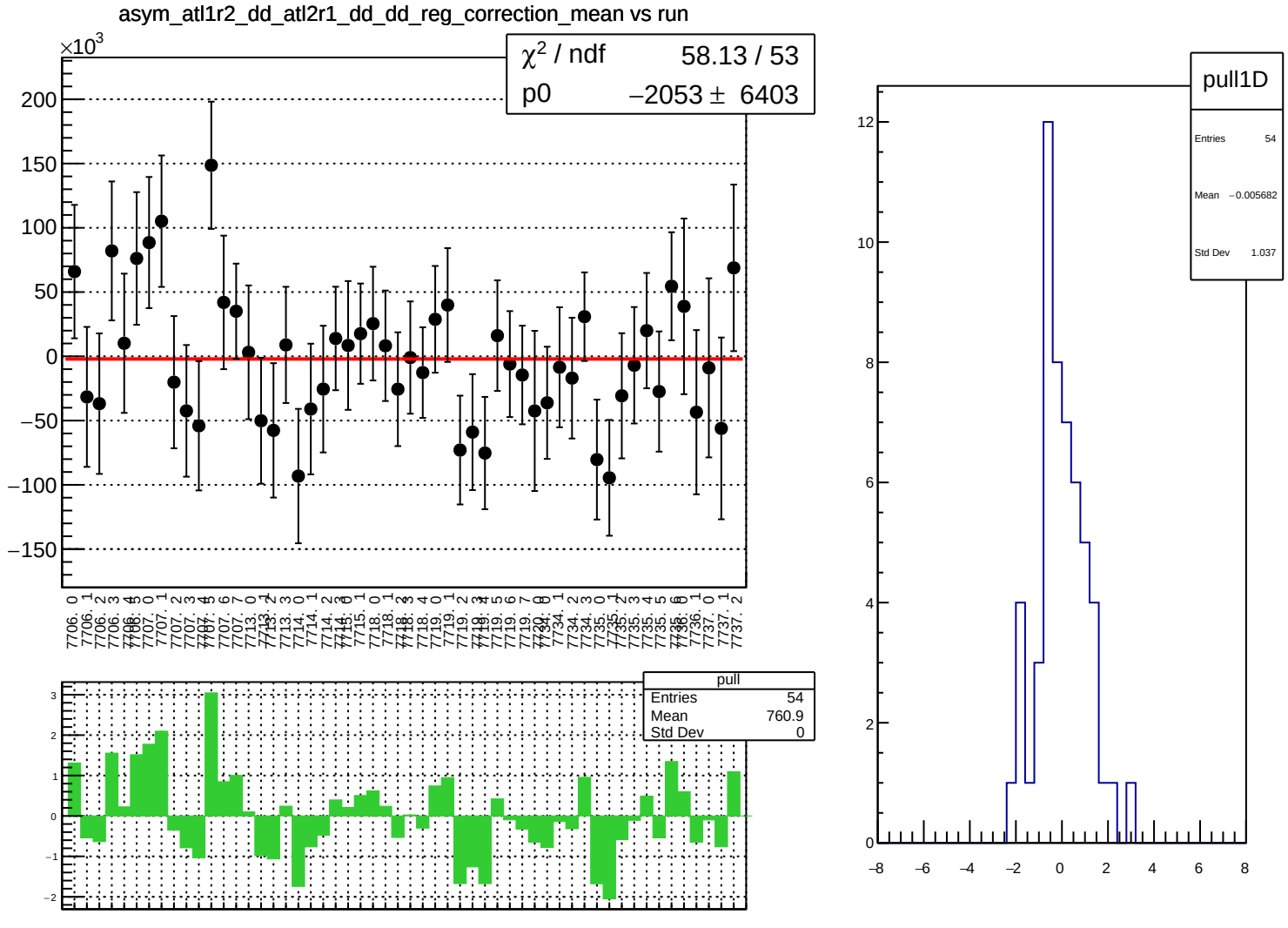

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.41 / 53
p0 −3.453e−13 ± 2.908e−13
pull
Entries 54
Mean 25.96
Std Dev 0

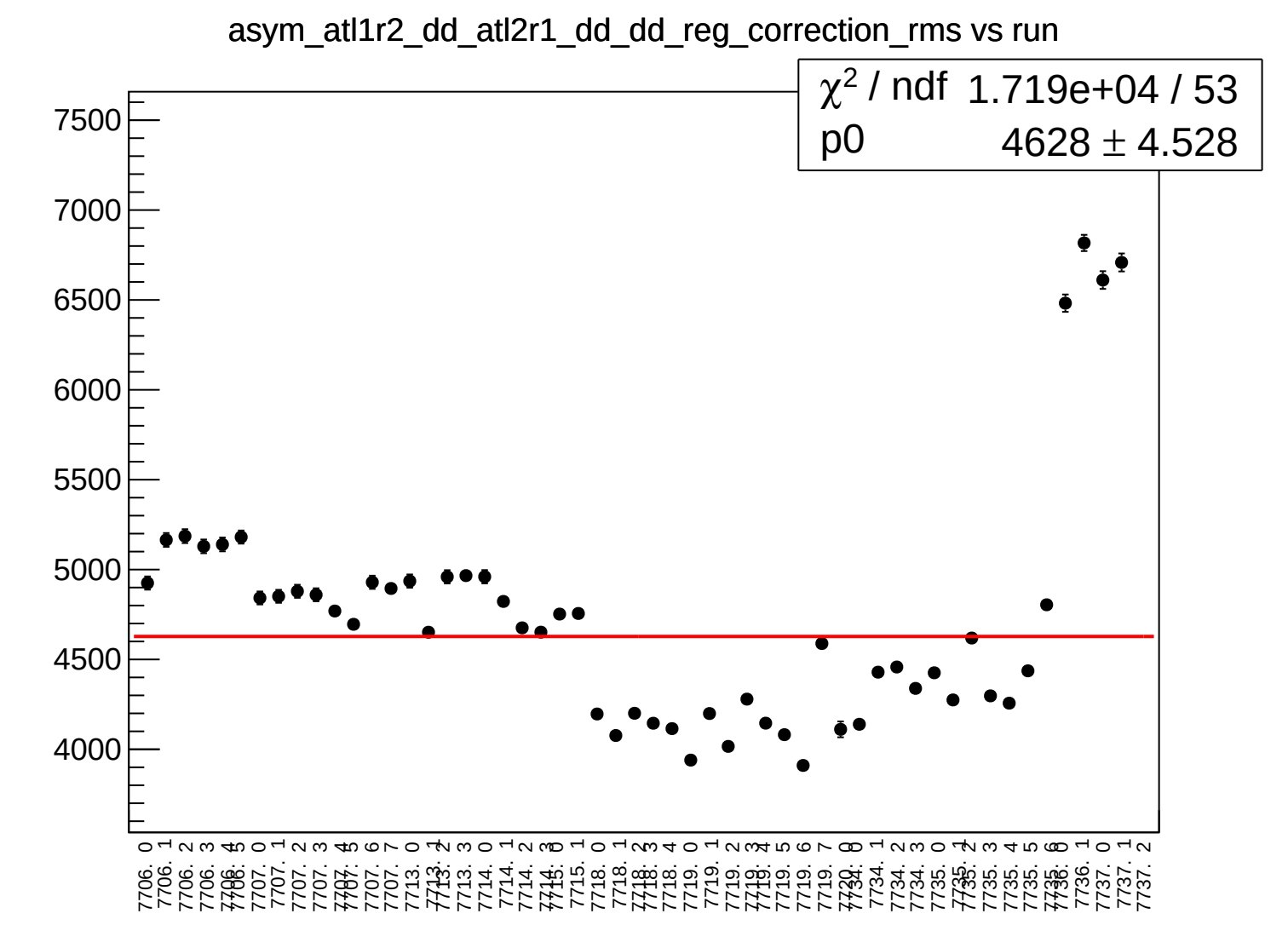

pull1D
Entries 54
Mean 0.08166
Std Dev 1.114

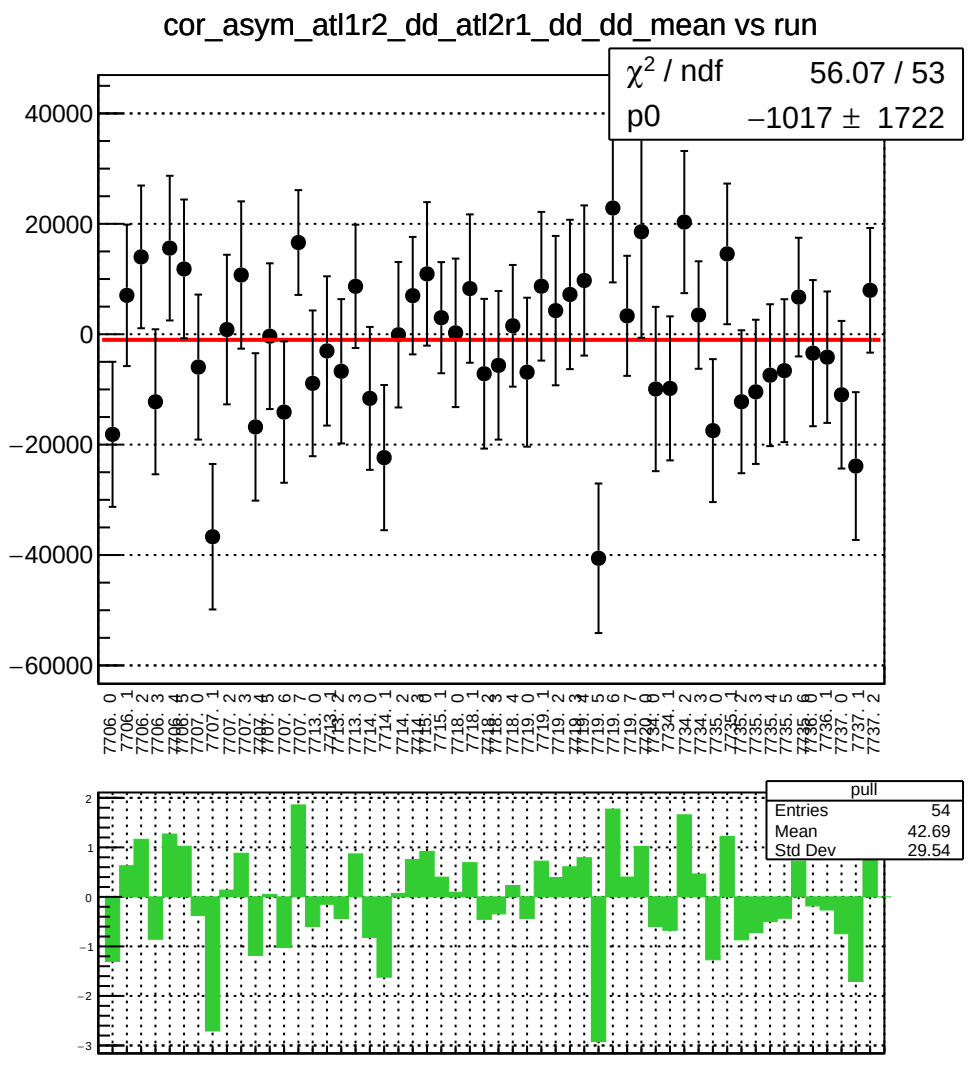

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.767e+05 / 53
p0 1.433e−10 ± 2.057e−13
2.5
2
1.5
1
0.5

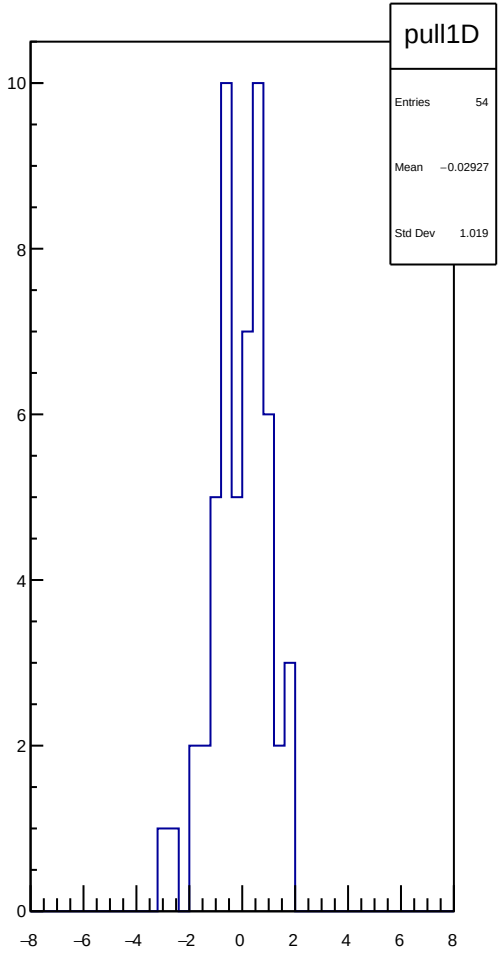

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
pull
Entries 54
Mean 42.71
Std Dev 29.53
pull1D
Entries 54
Mean −0.02927
Std Dev 1.019

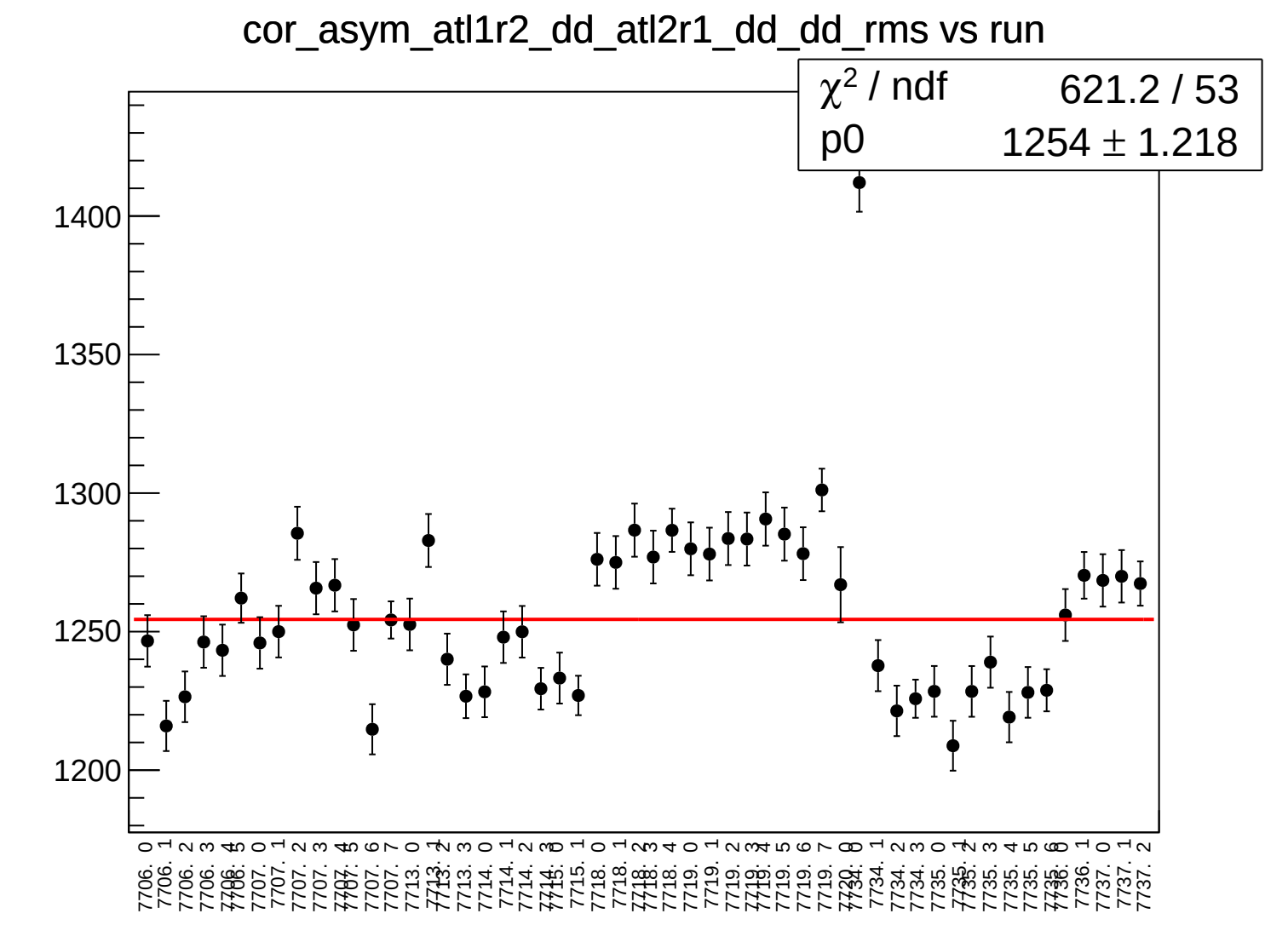

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

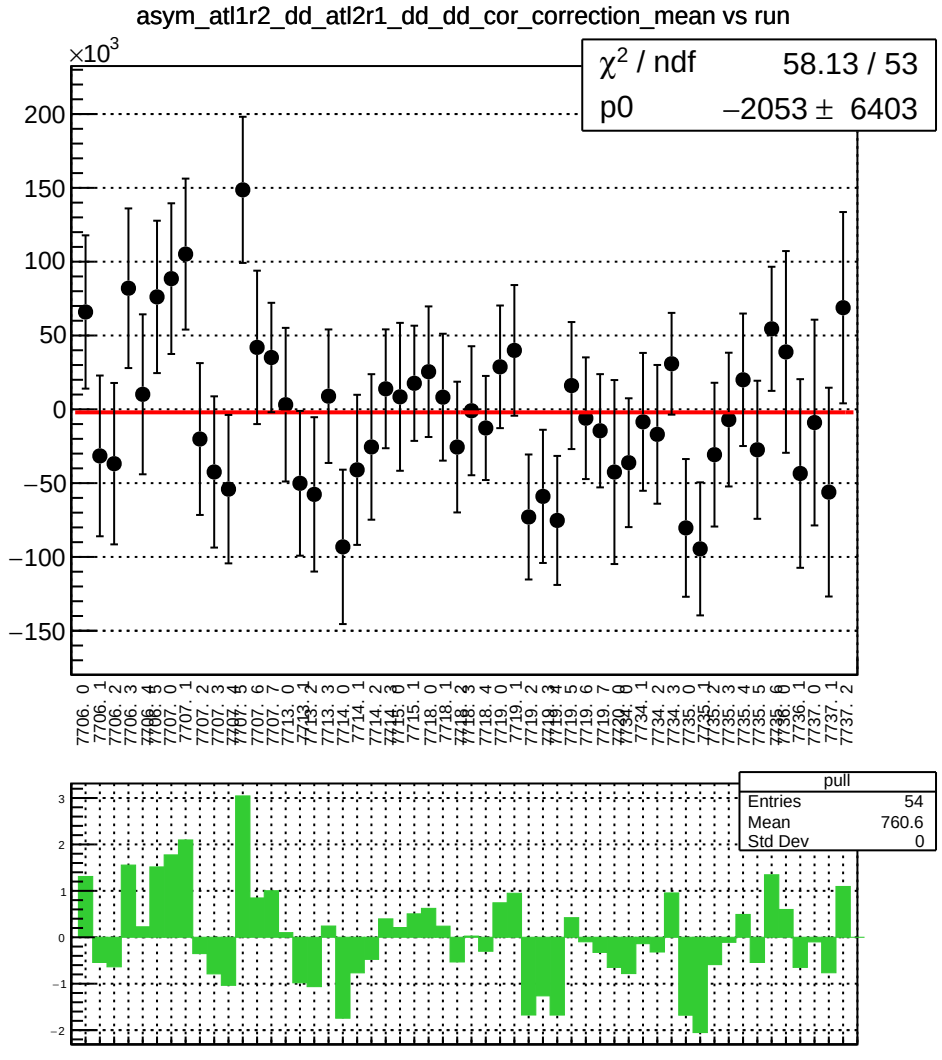

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 760.9
Std Dev 0
pull1D
Entries 54
Mean −0.005682
Std Dev 1.037

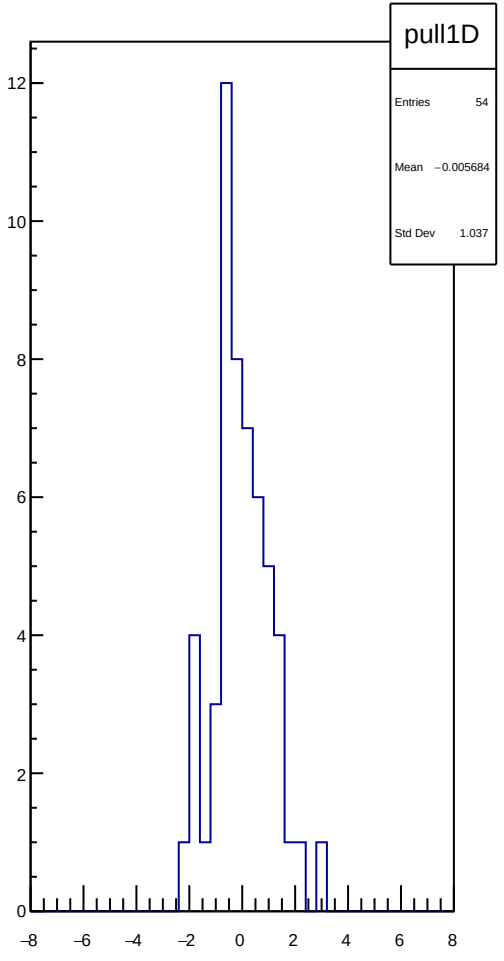

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

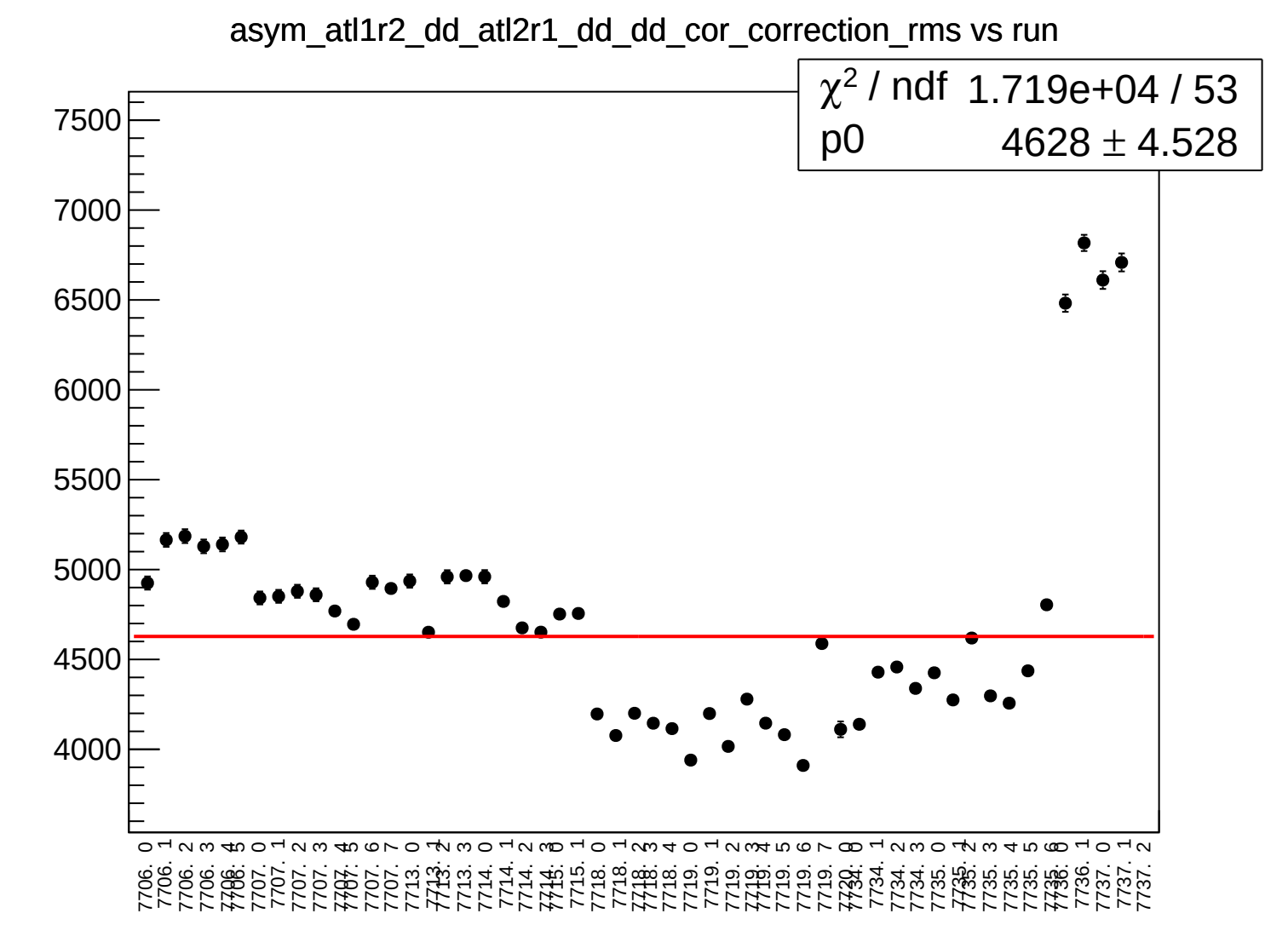

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.69
Std Dev 29.54
2
1
0
−1
−2
−3

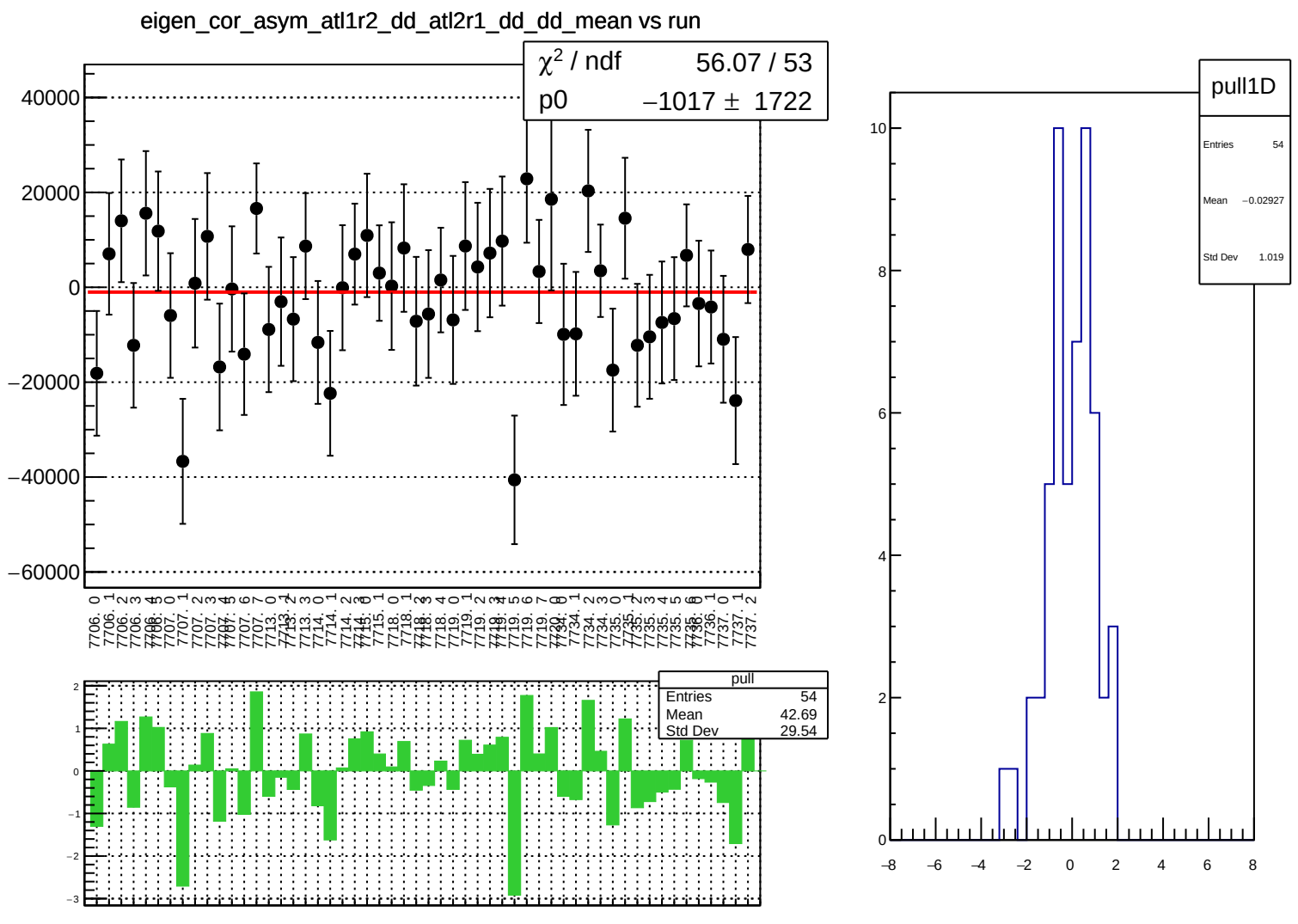

pull1D
Entries 54
Mean −0.02927
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

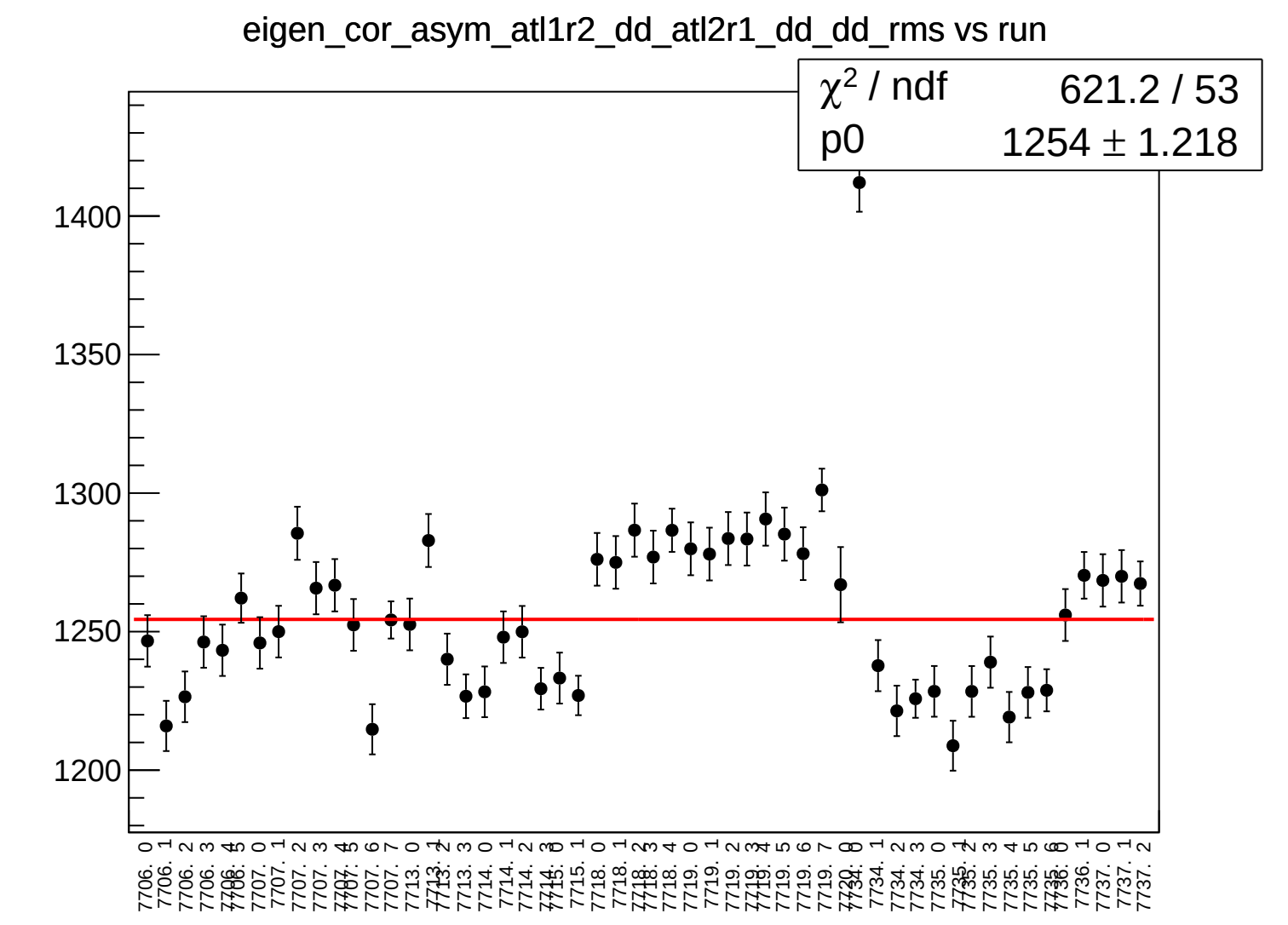

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200

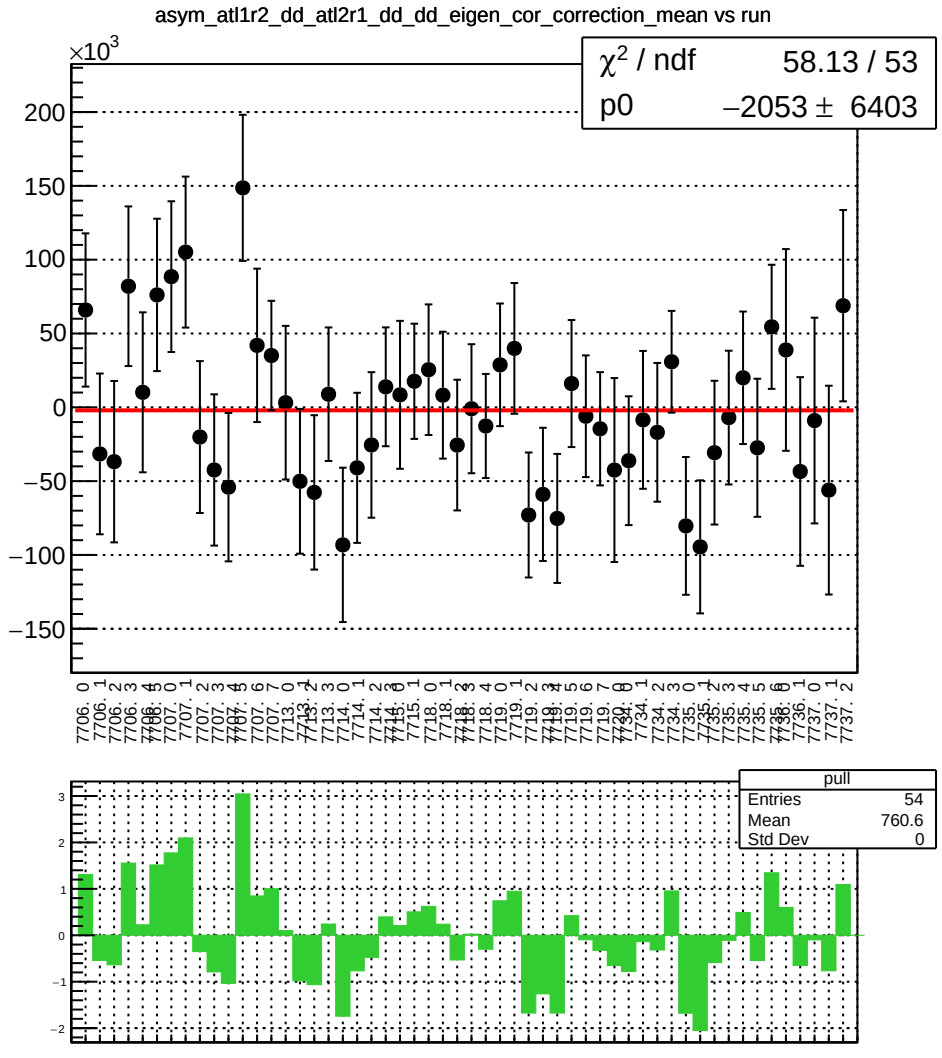

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
pull
Entries 54
Mean 760.6
Std Dev 0

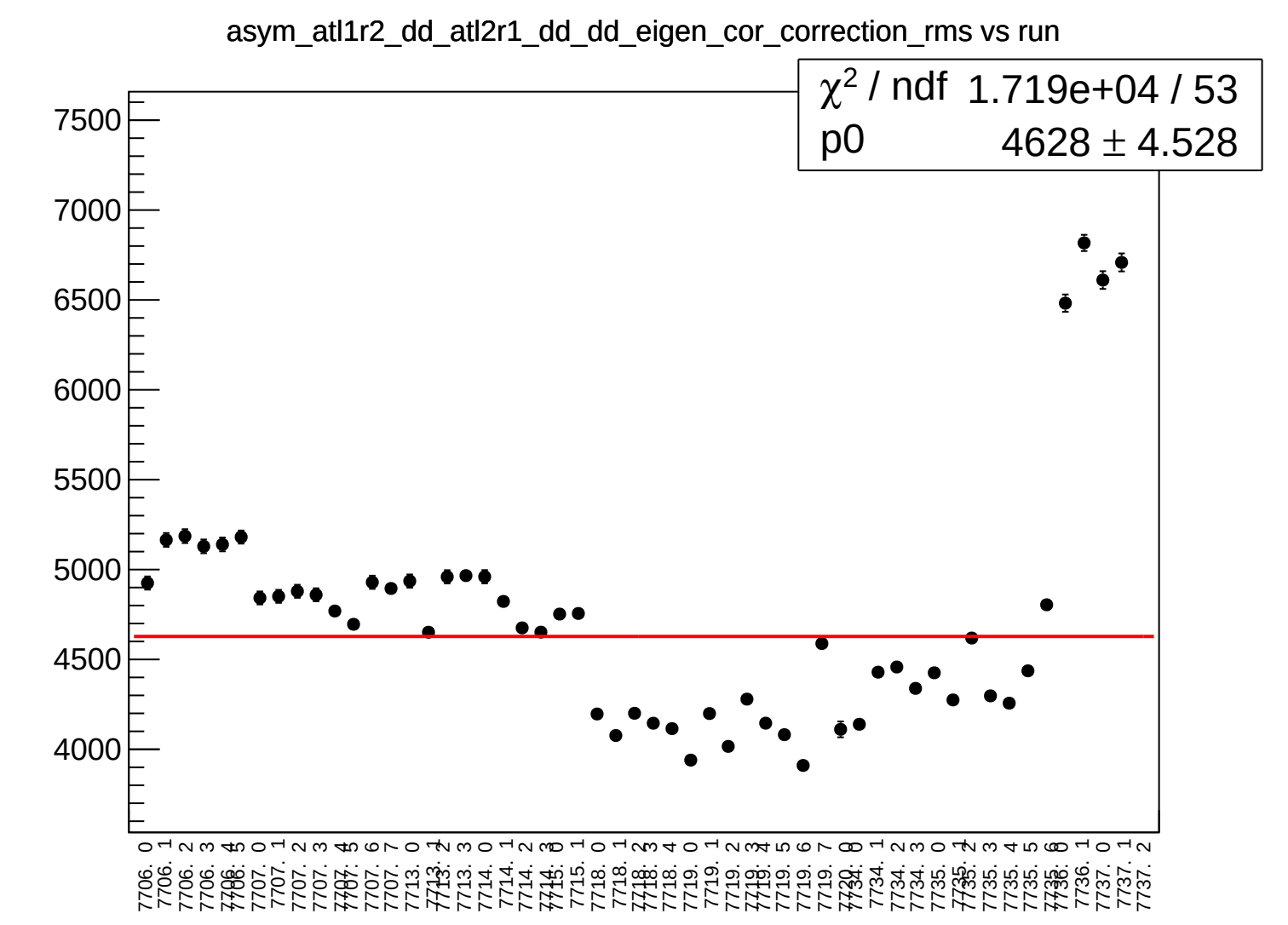

pull1D
Entries 54
Mean −0.005684
Std Dev 1.037

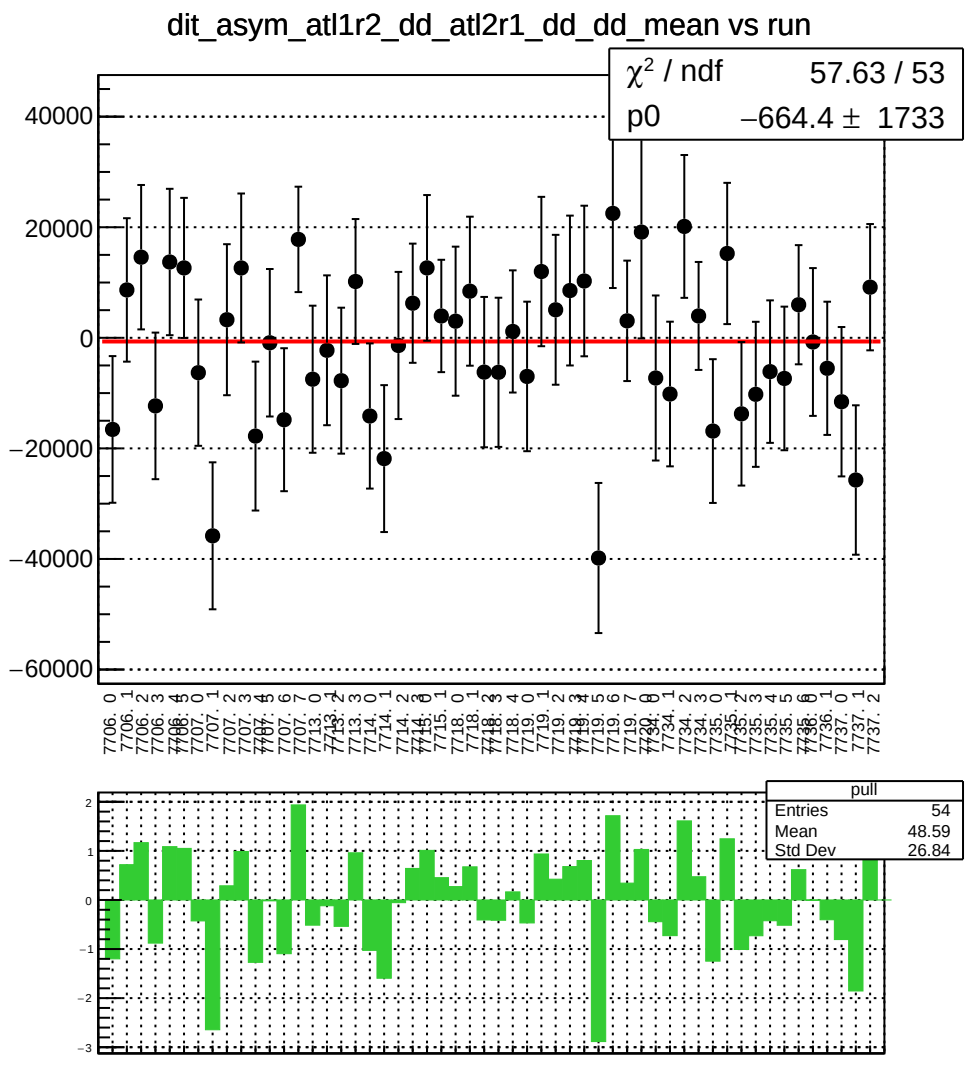

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000

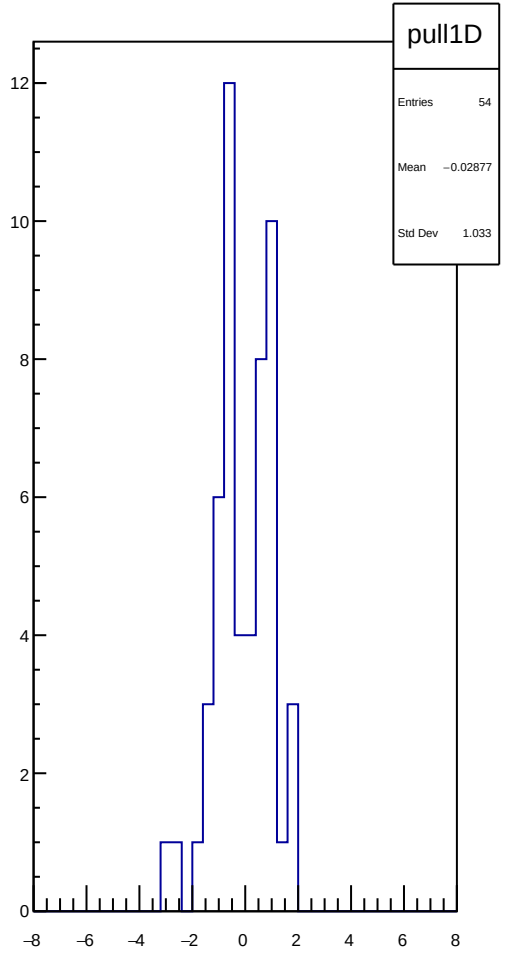

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.07 / 53
p0 −1017 ± 1722
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.69
Std Dev 29.54
pull1D
Entries 54
Mean −0.02927
Std Dev 1.019

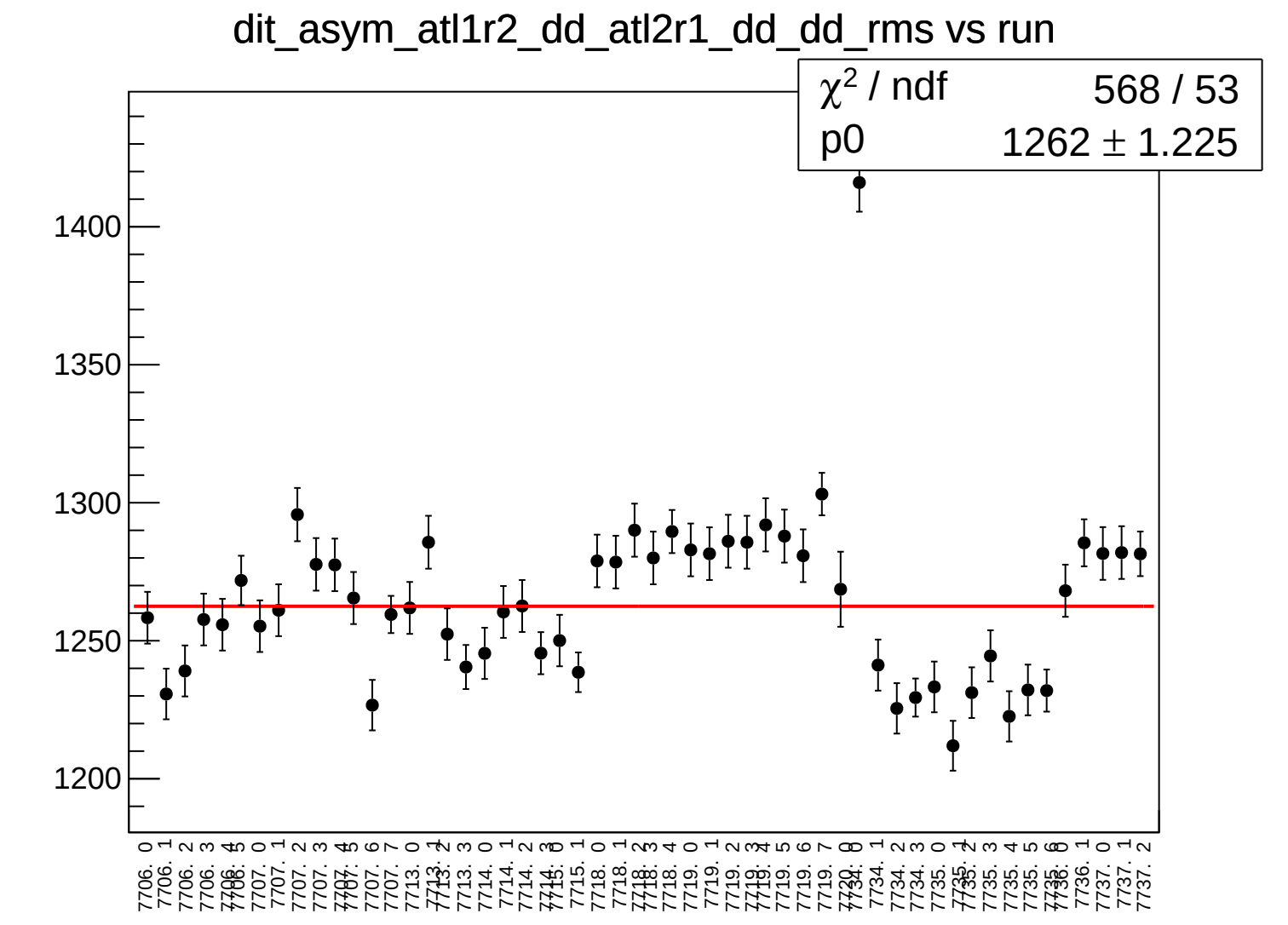

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 621.2 / 53
p0 1254 ± 1.218
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

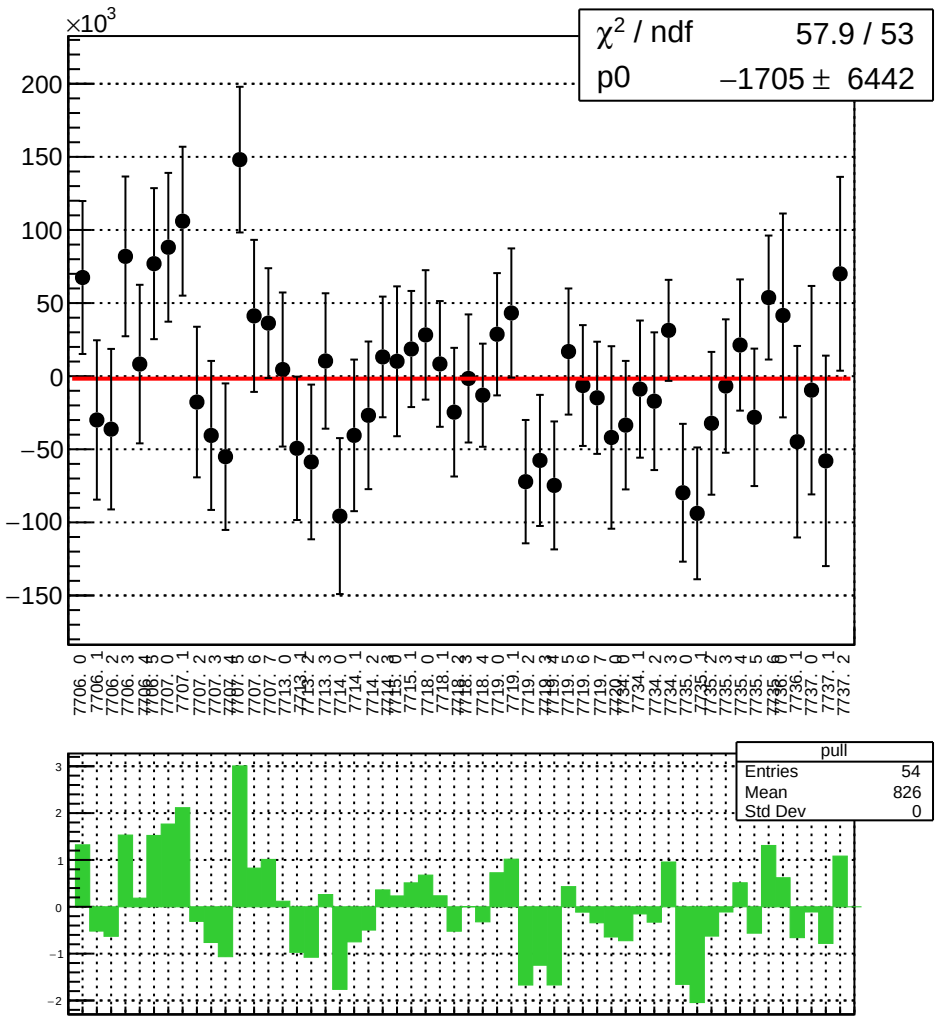

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.13 / 53
p0 −2053 ± 6403
200
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 760.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.005684
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

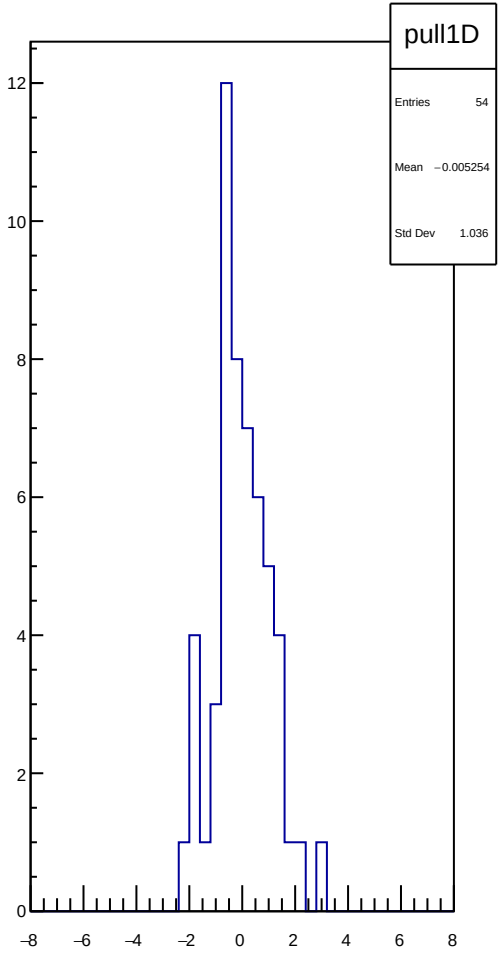

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4628 ± 4.528
7500
7000
6500
6000
5500
5000
4500
4000

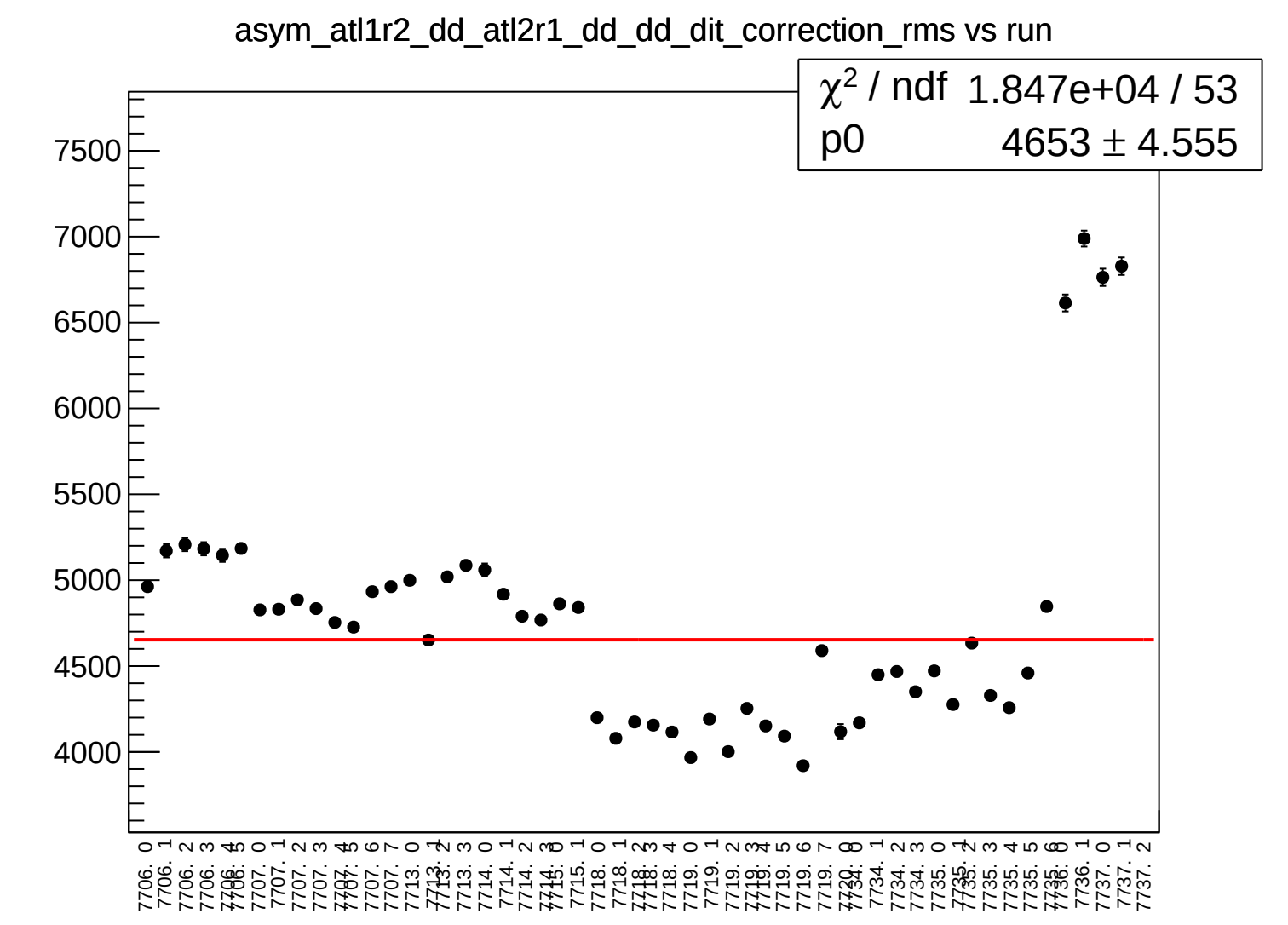

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 57.63 / 53
p0 −664.4 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 48.59
Std Dev 26.84
2
1
0
−1
−2
−3

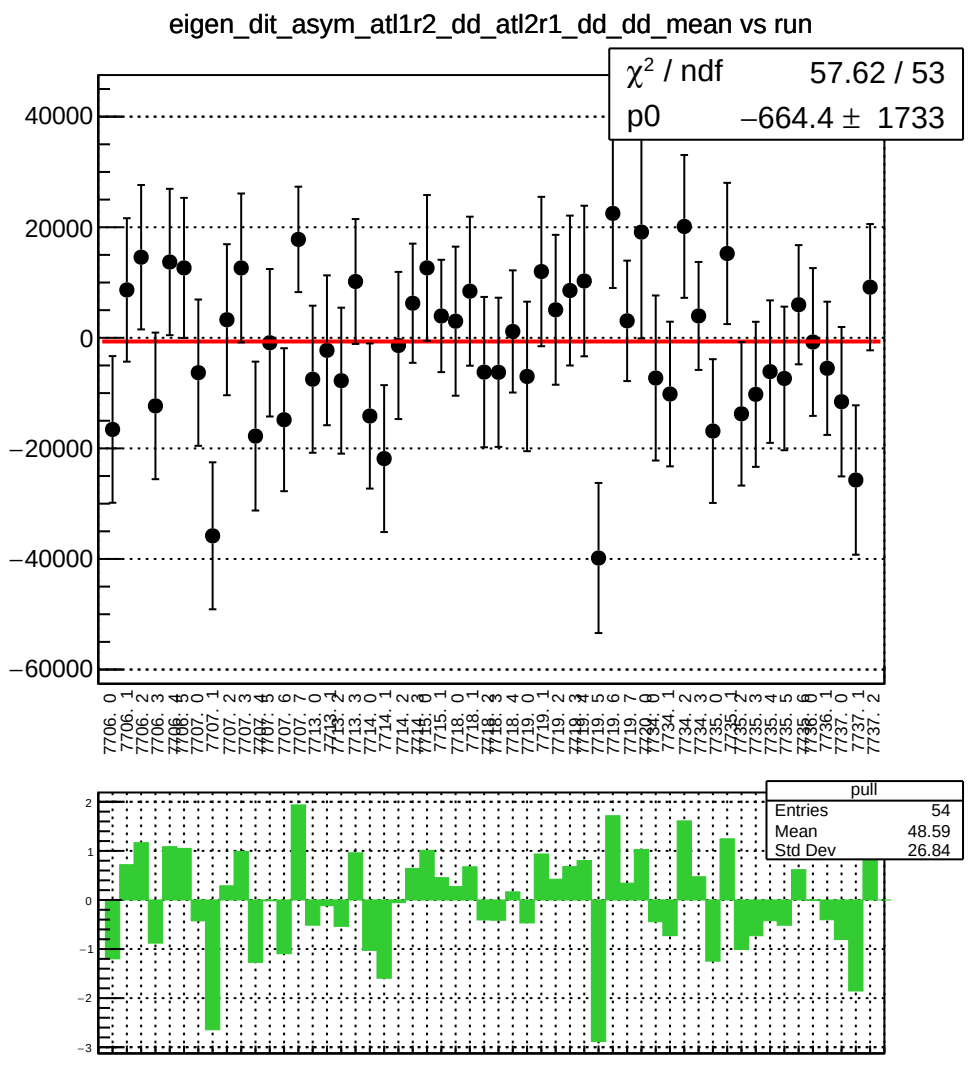

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

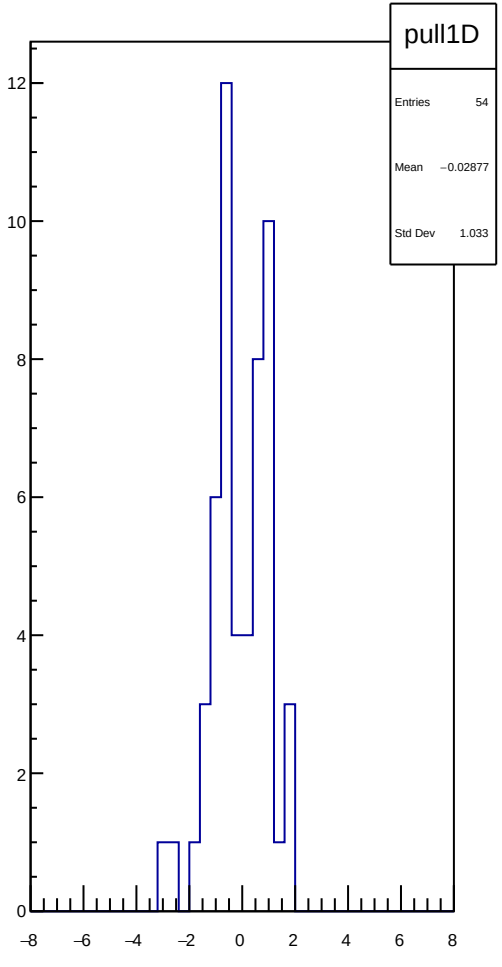

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

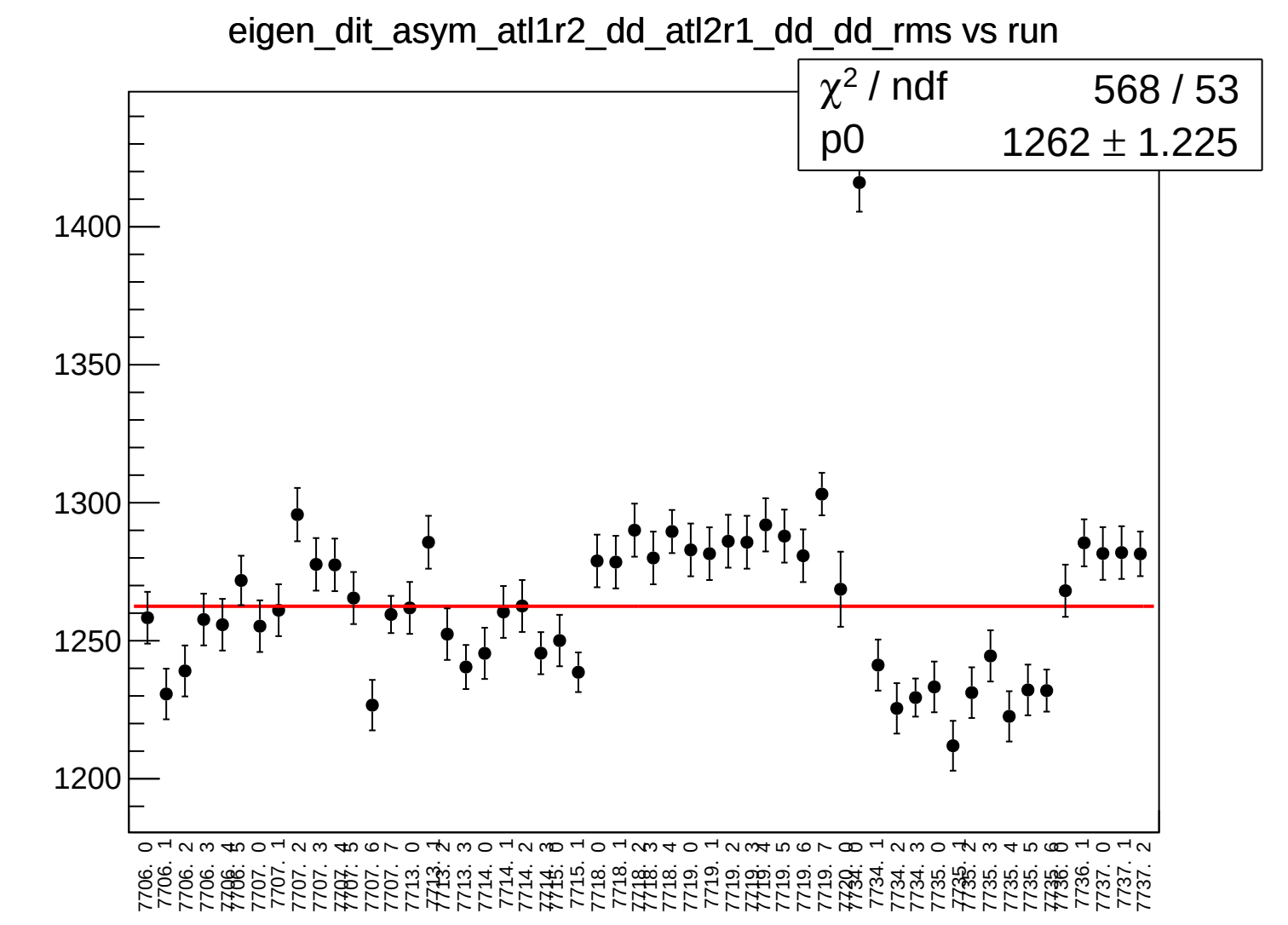

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 826
Std Dev 0
3
2
1
0
−1
−2

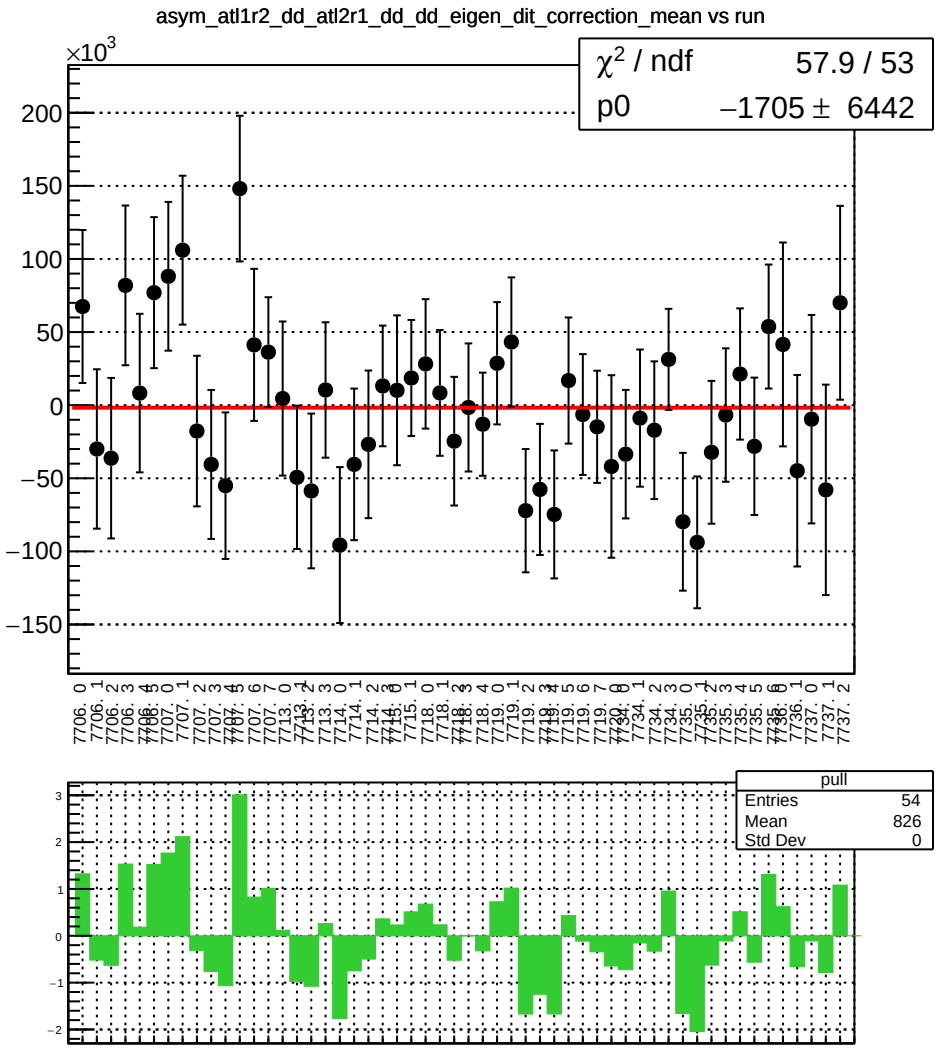

pull1D
Entries 54
Mean −0.005254
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

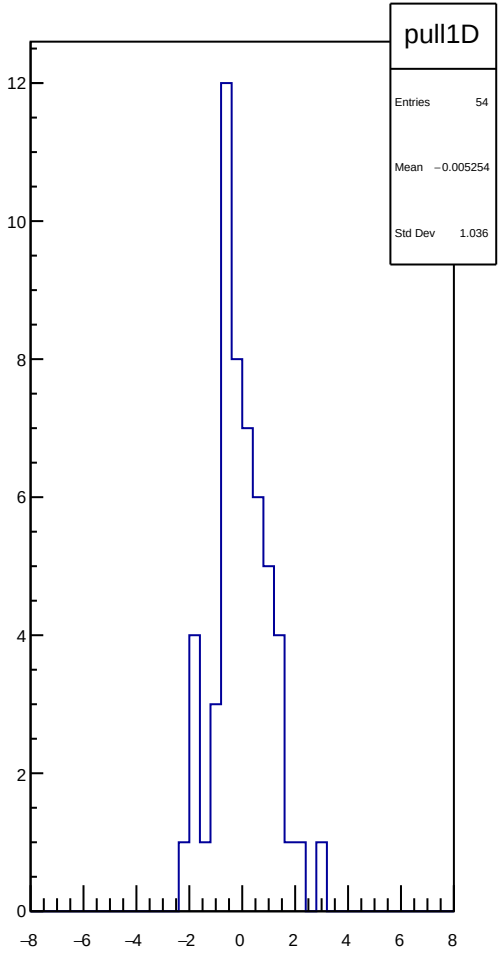

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

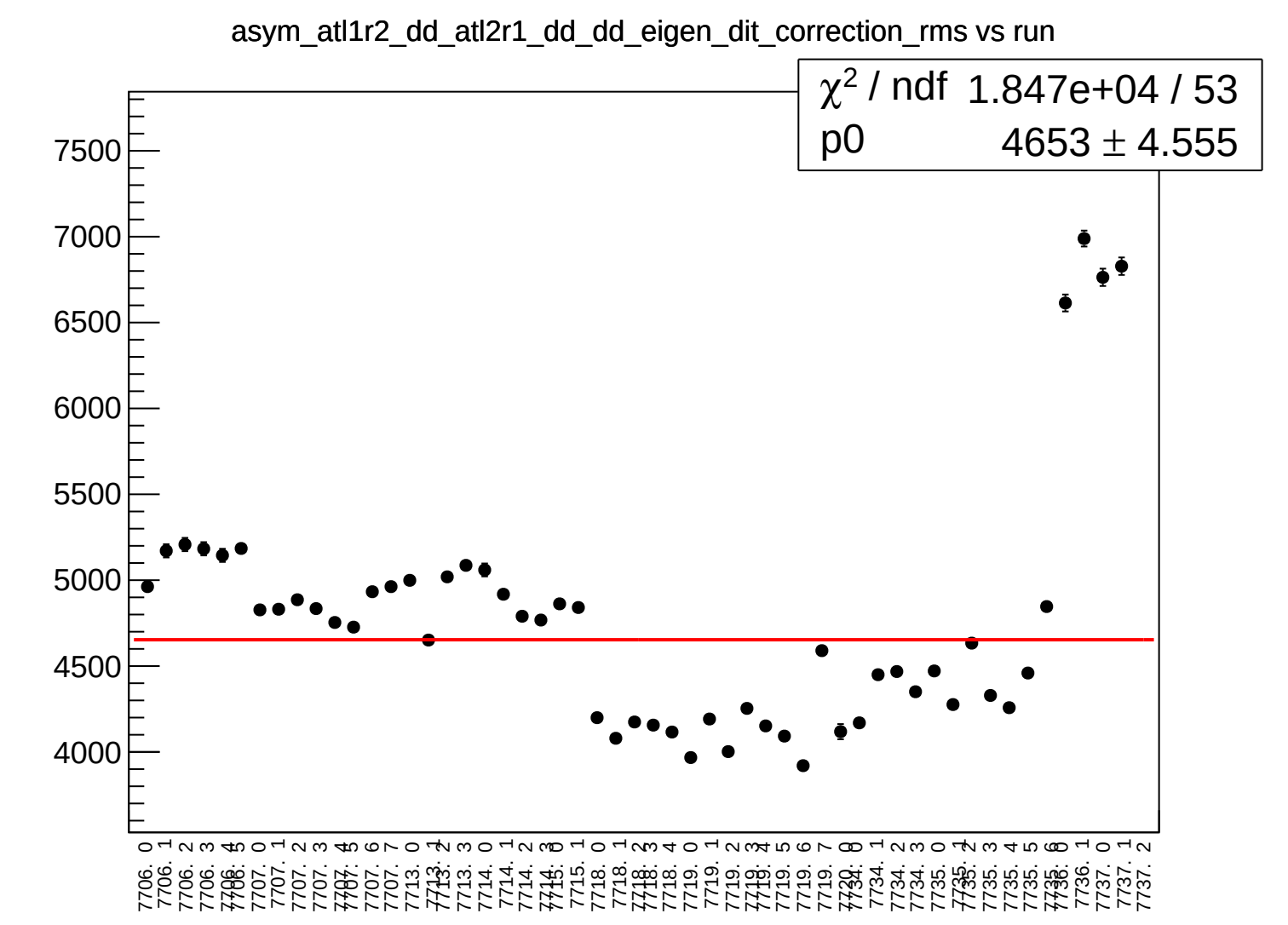

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 57.62 / 53
p0 −664.4 ± 1733
pull
Entries 54
Mean 48.59
Std Dev 26.84

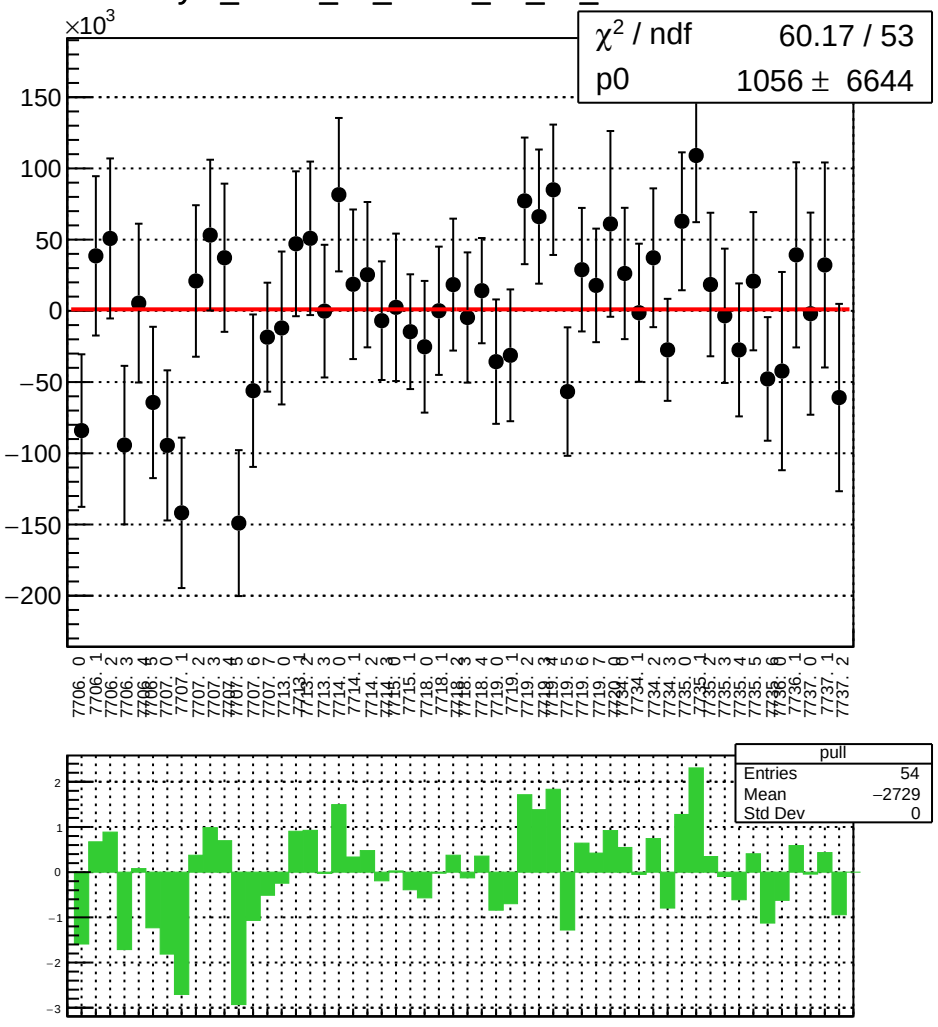

pull1D
Entries 54
Mean −0.02877
Std Dev 1.033

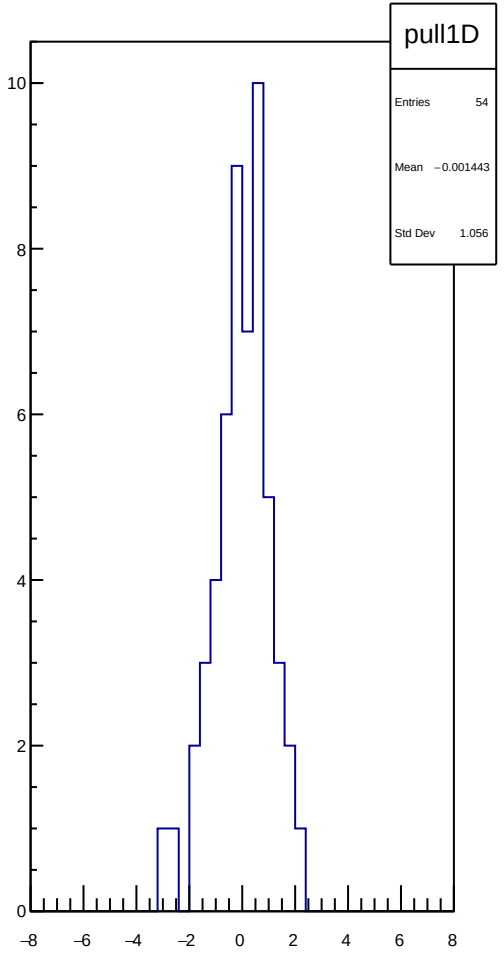

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 568 / 53
p0 1262 ± 1.225
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

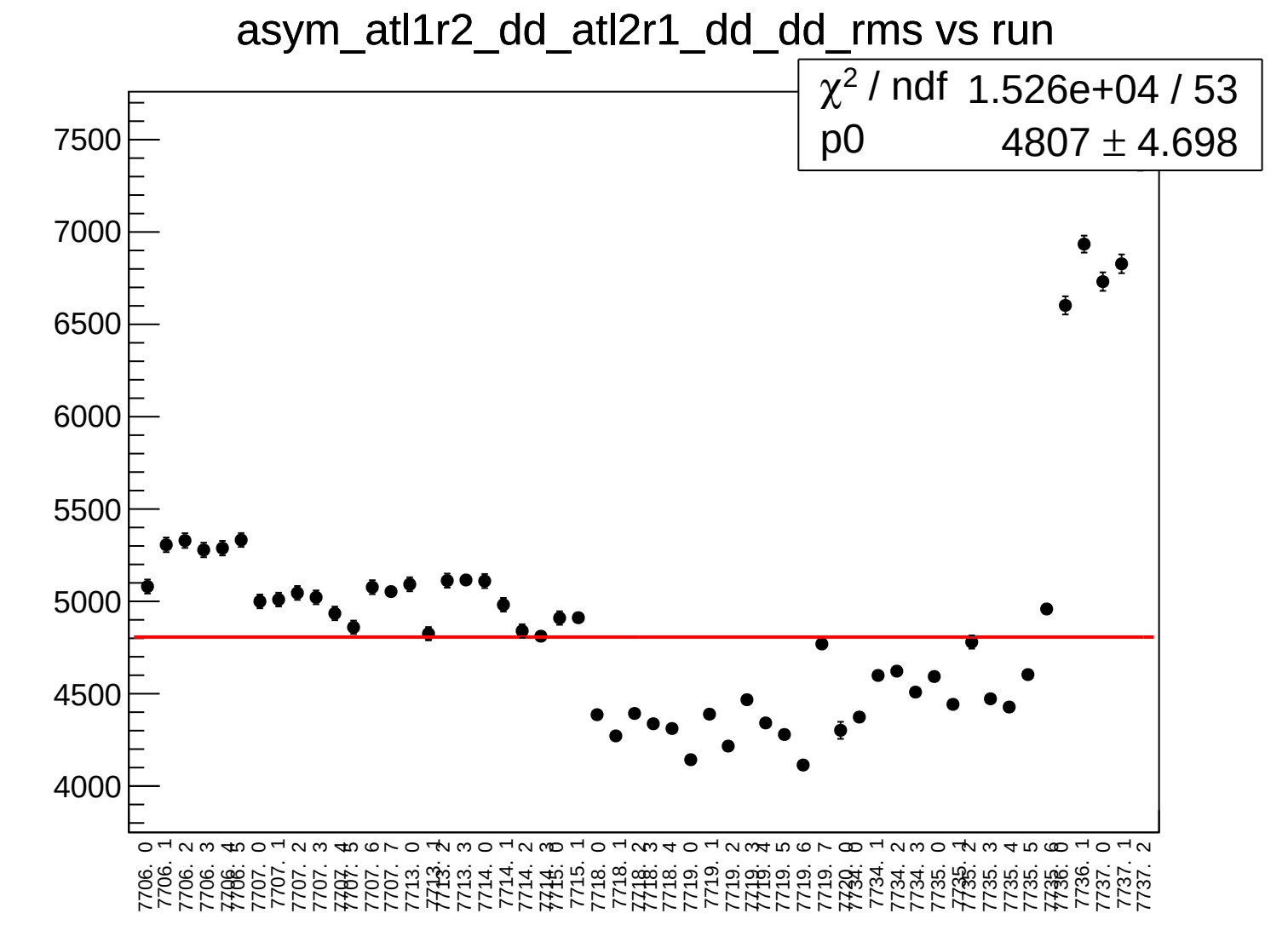

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.9 / 53
p0 −1705 ± 6442
pull
Entries 54
Mean 826
Std Dev 0

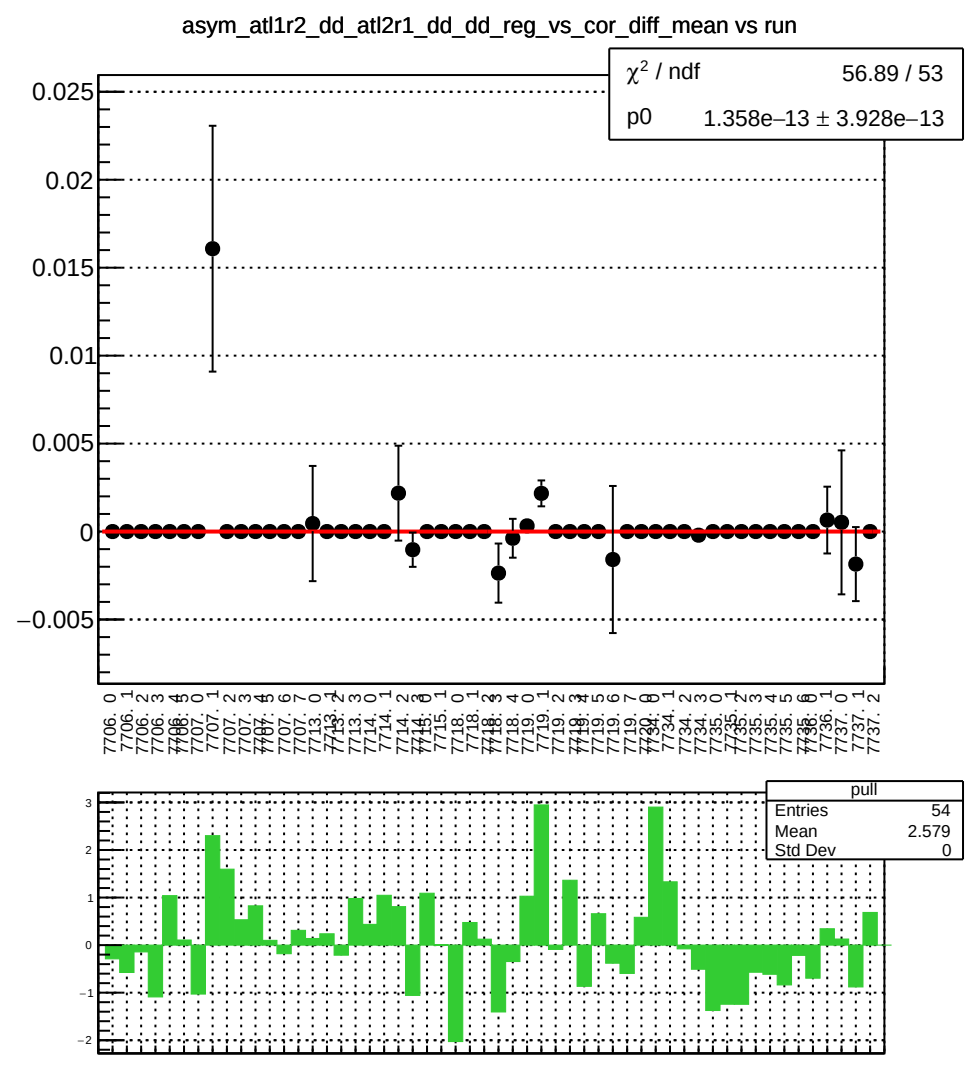

pull1D
Entries 54
Mean −0.005254
Std Dev 1.036

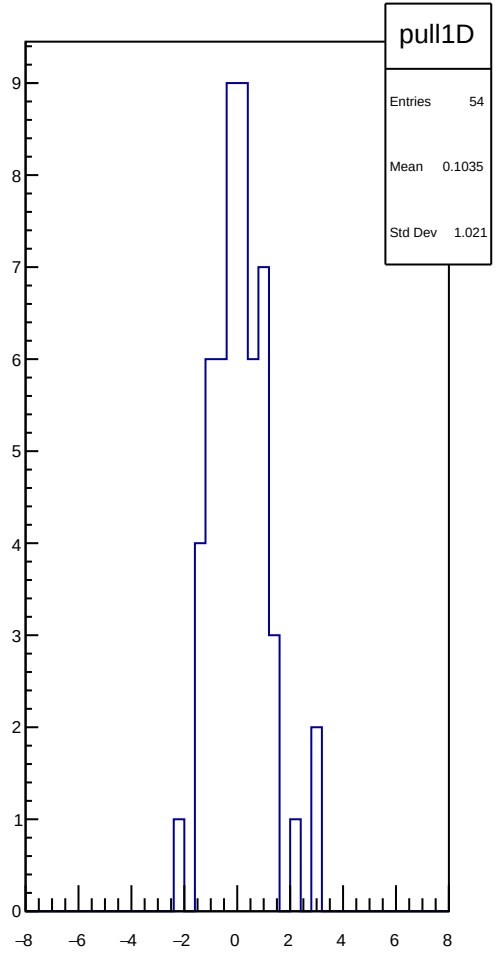

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.847e+04 / 53
p0 4653 ± 4.555
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

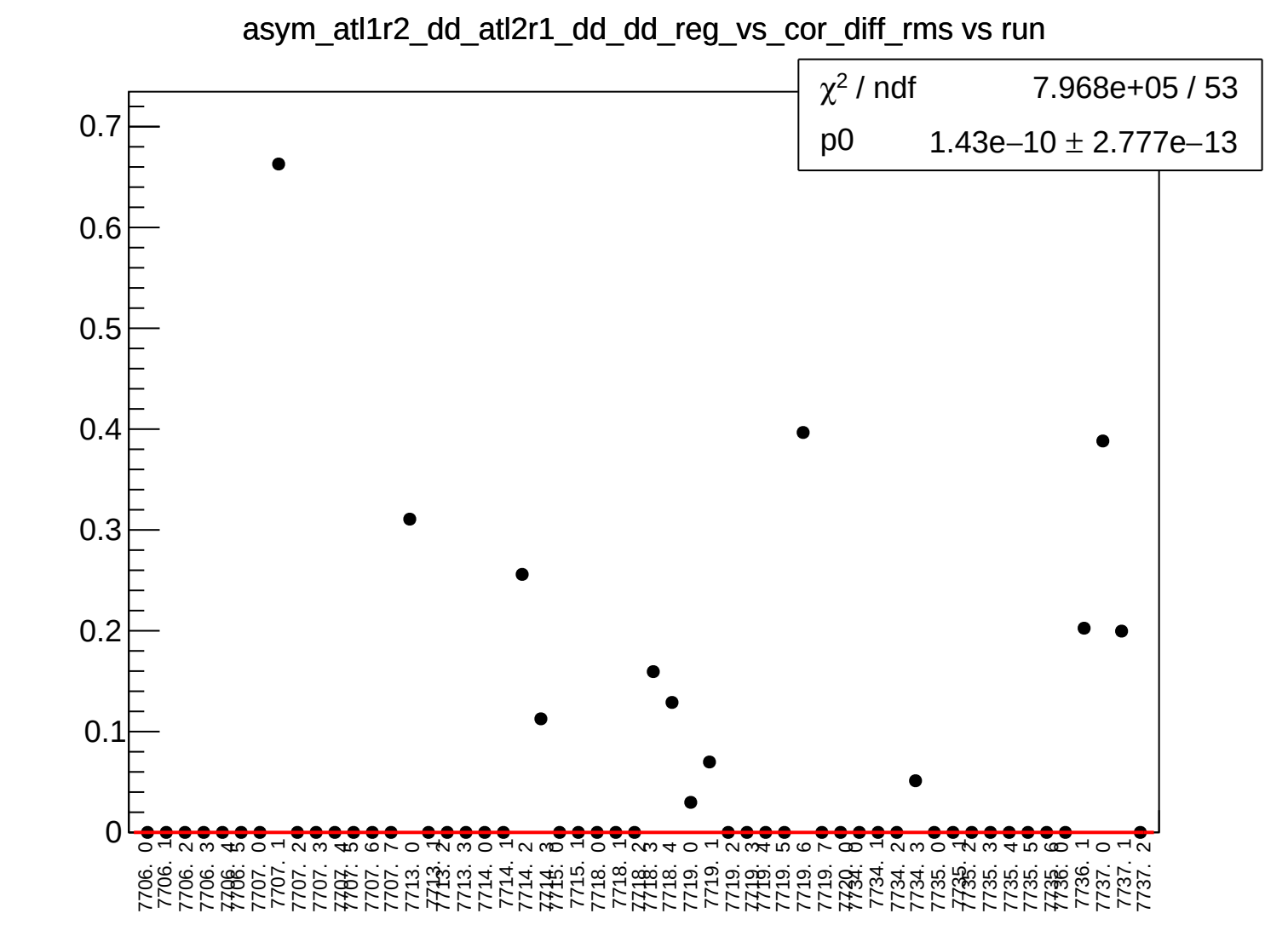

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 60.17 / 53
p0 1056 ± 6644
pull
Entries 54
Mean −2729
Std Dev 0

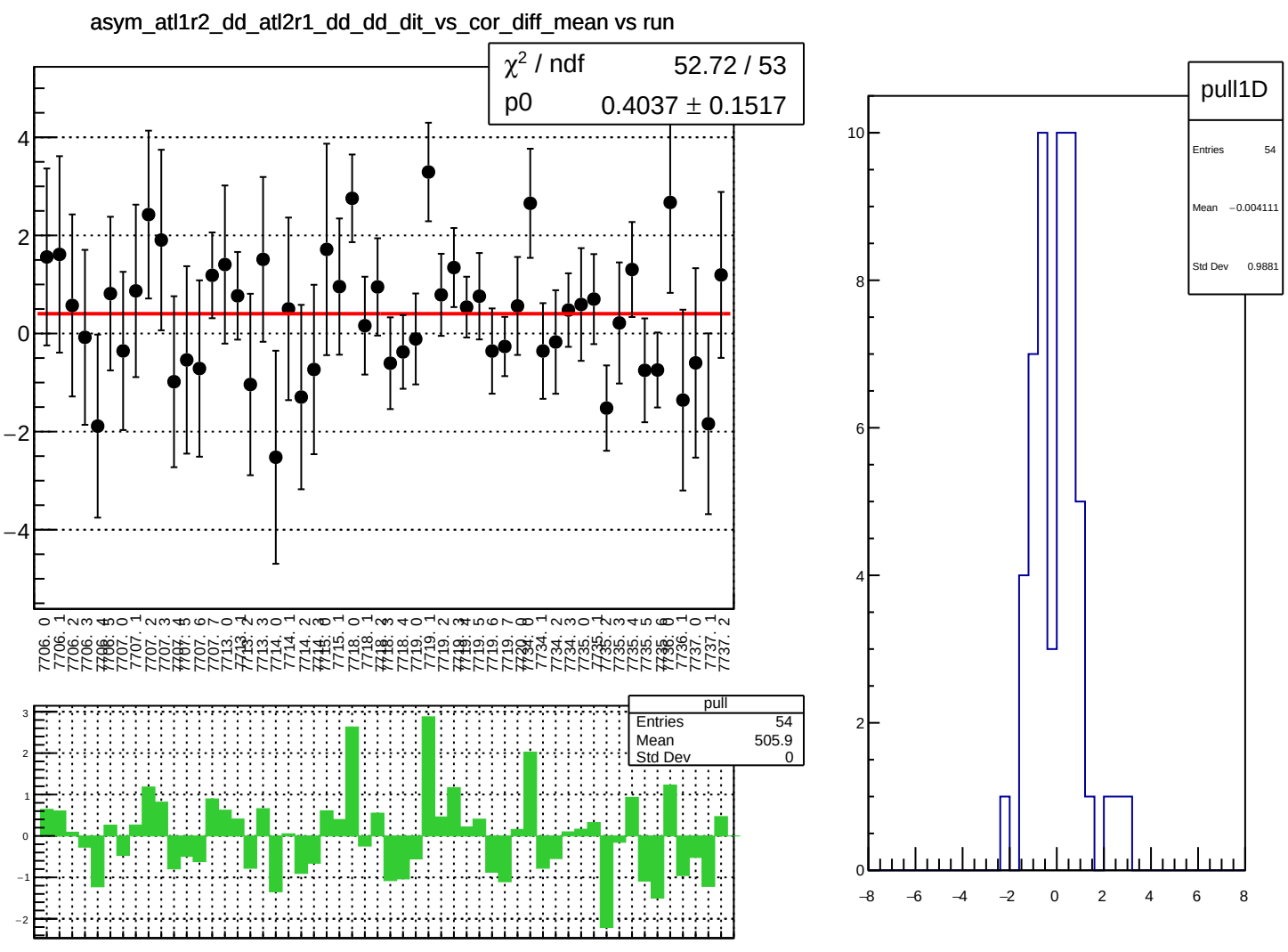

pull1D
Entries 54
Mean −0.001443
Std Dev 1.056

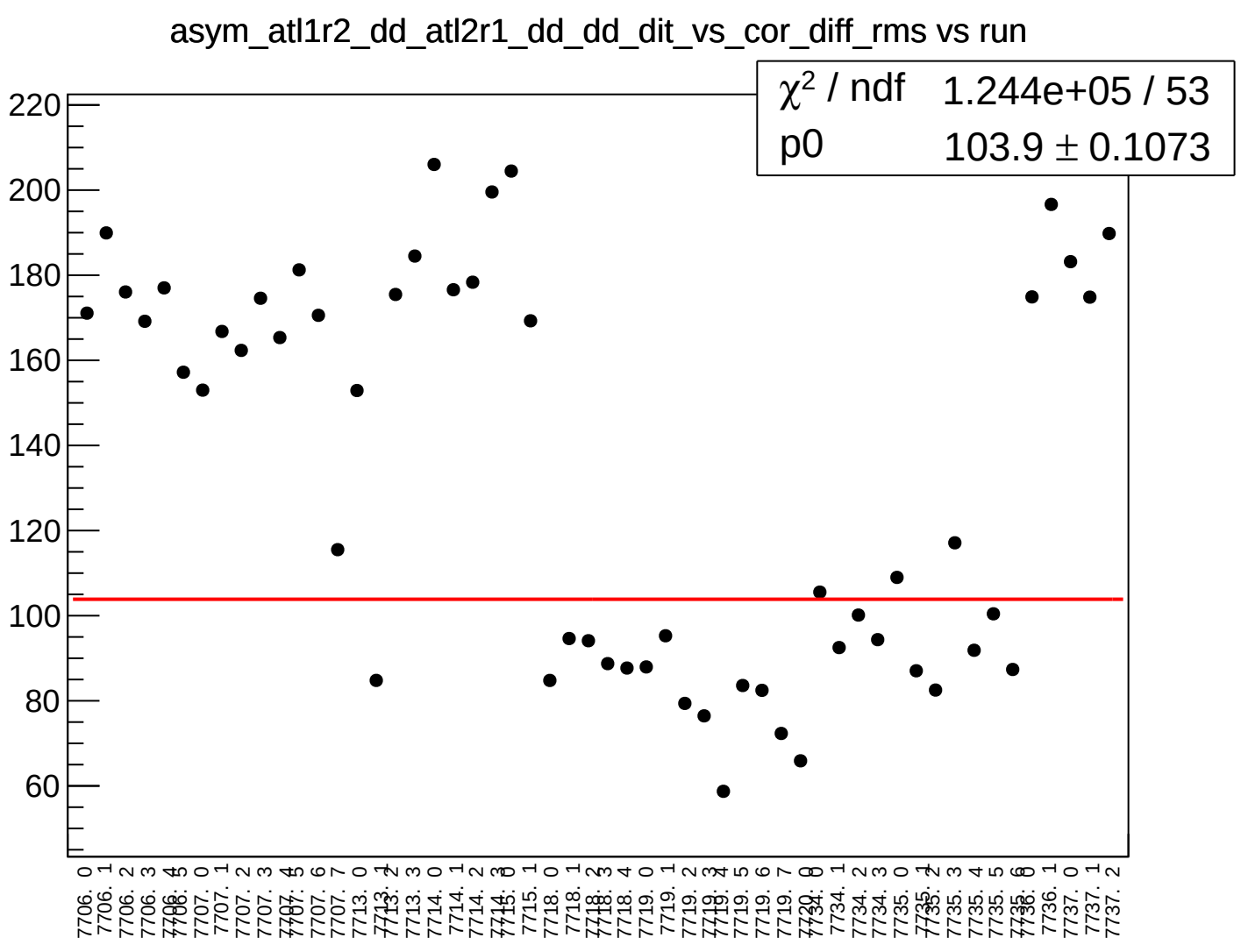

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1.526e+04 / 53
p0 4807 ± 4.698
7500
7000
6500
6000
5500
5000
4500
4000

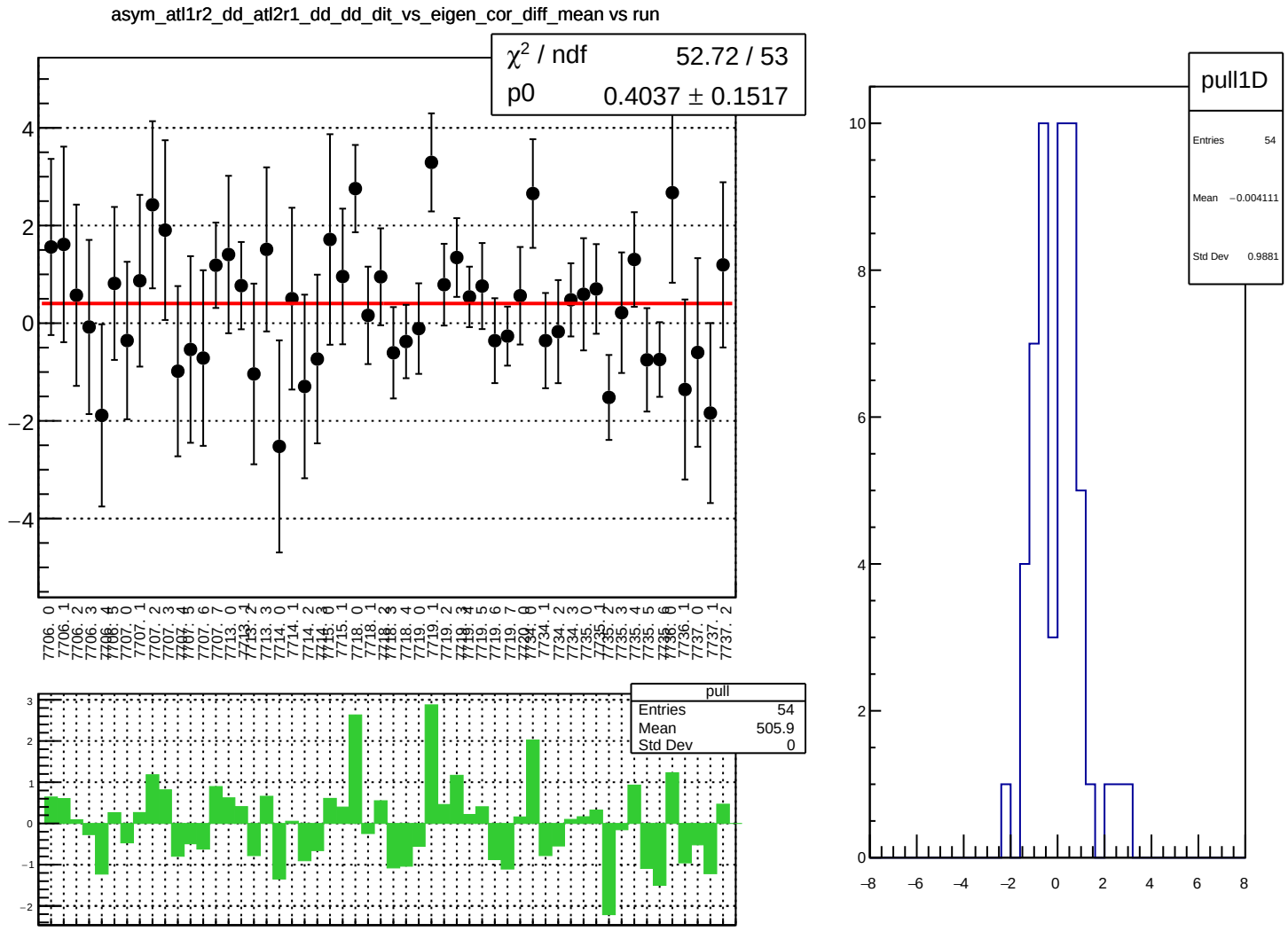

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.89 / 53
p0 1.358e−13 ± 3.928e−13
0.025
0.02
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 2.579
Std Dev 0
3
2
1
0
−1
−2

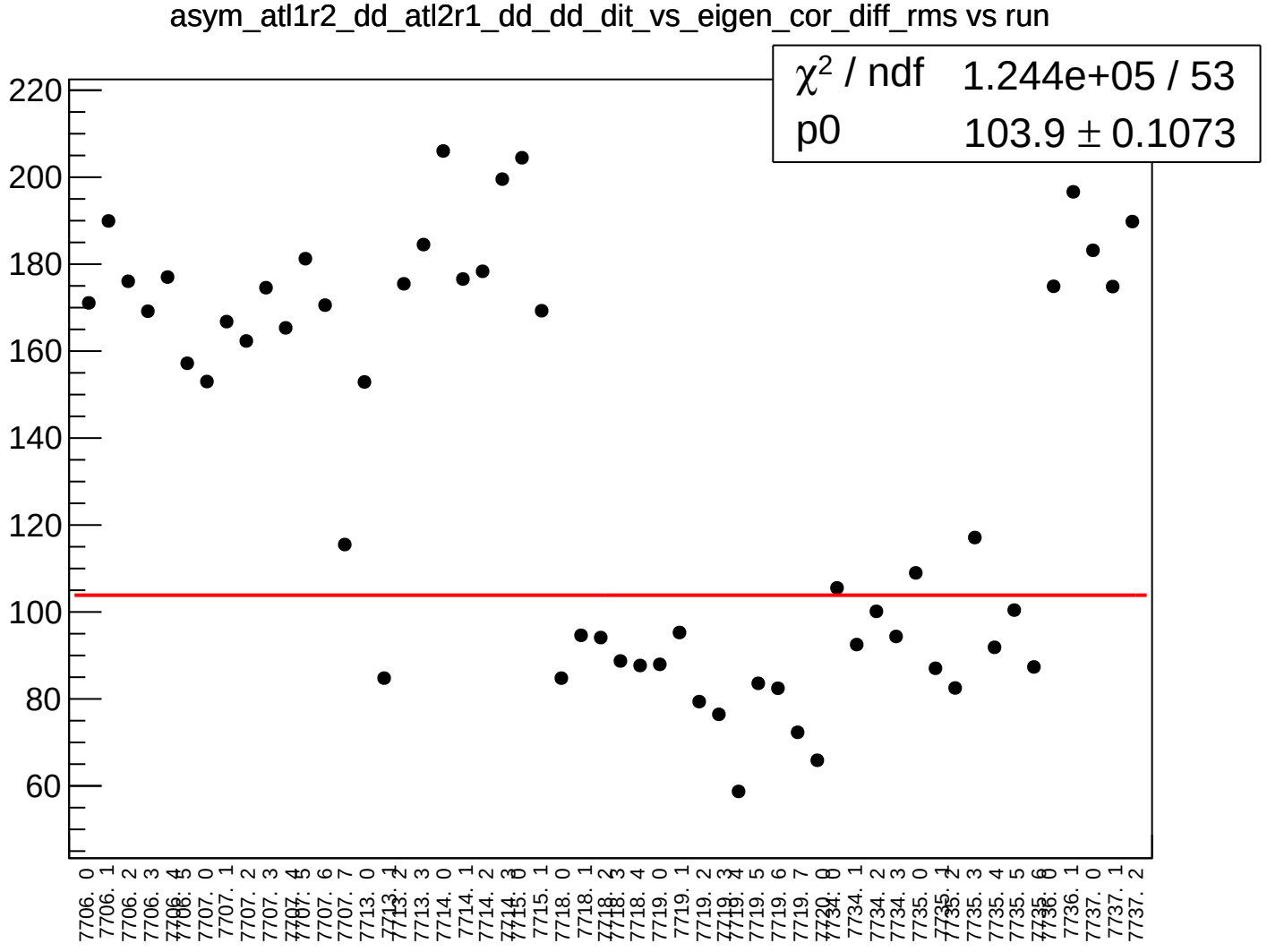

pull1D
Entries 54
Mean 0.1035
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

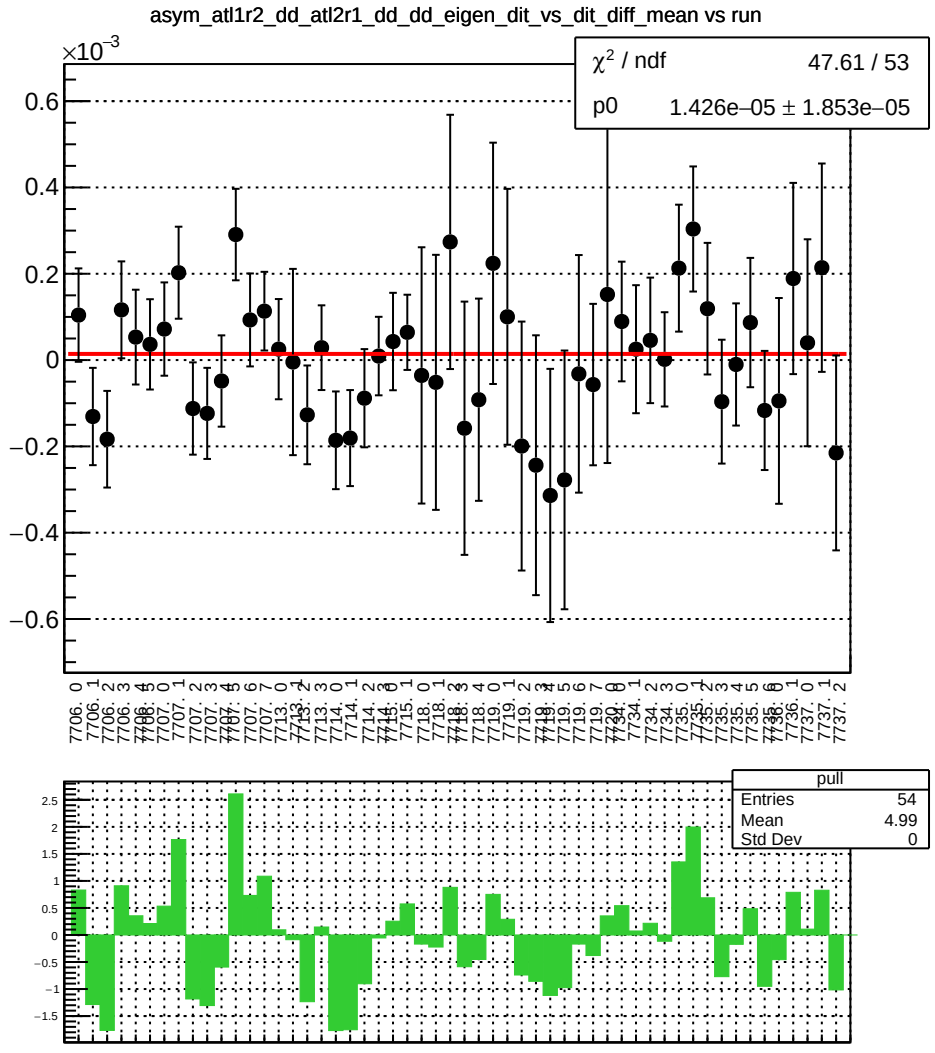

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.968e+05 / 53
p0 1.43e−10 ± 2.777e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

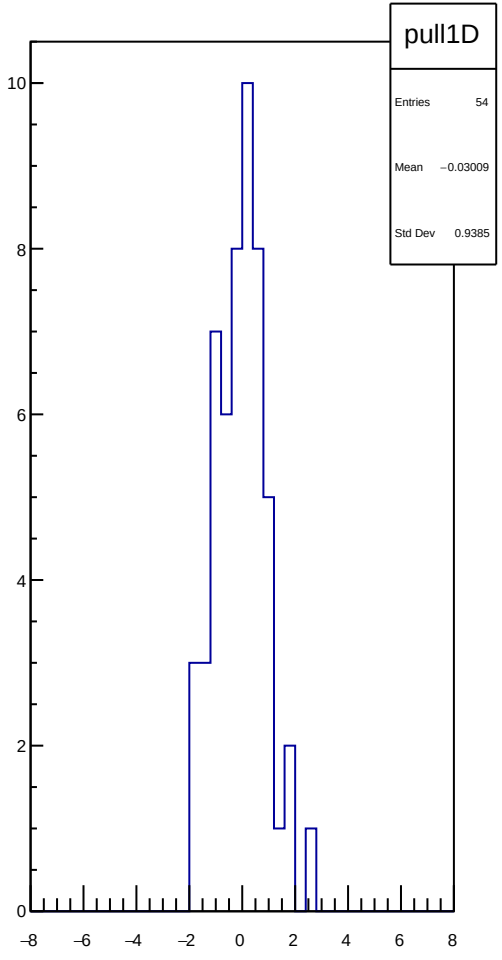

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.72 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 505.9
Std Dev 0
pull1D
Entries 54
Mean −0.004111
Std Dev 0.9881

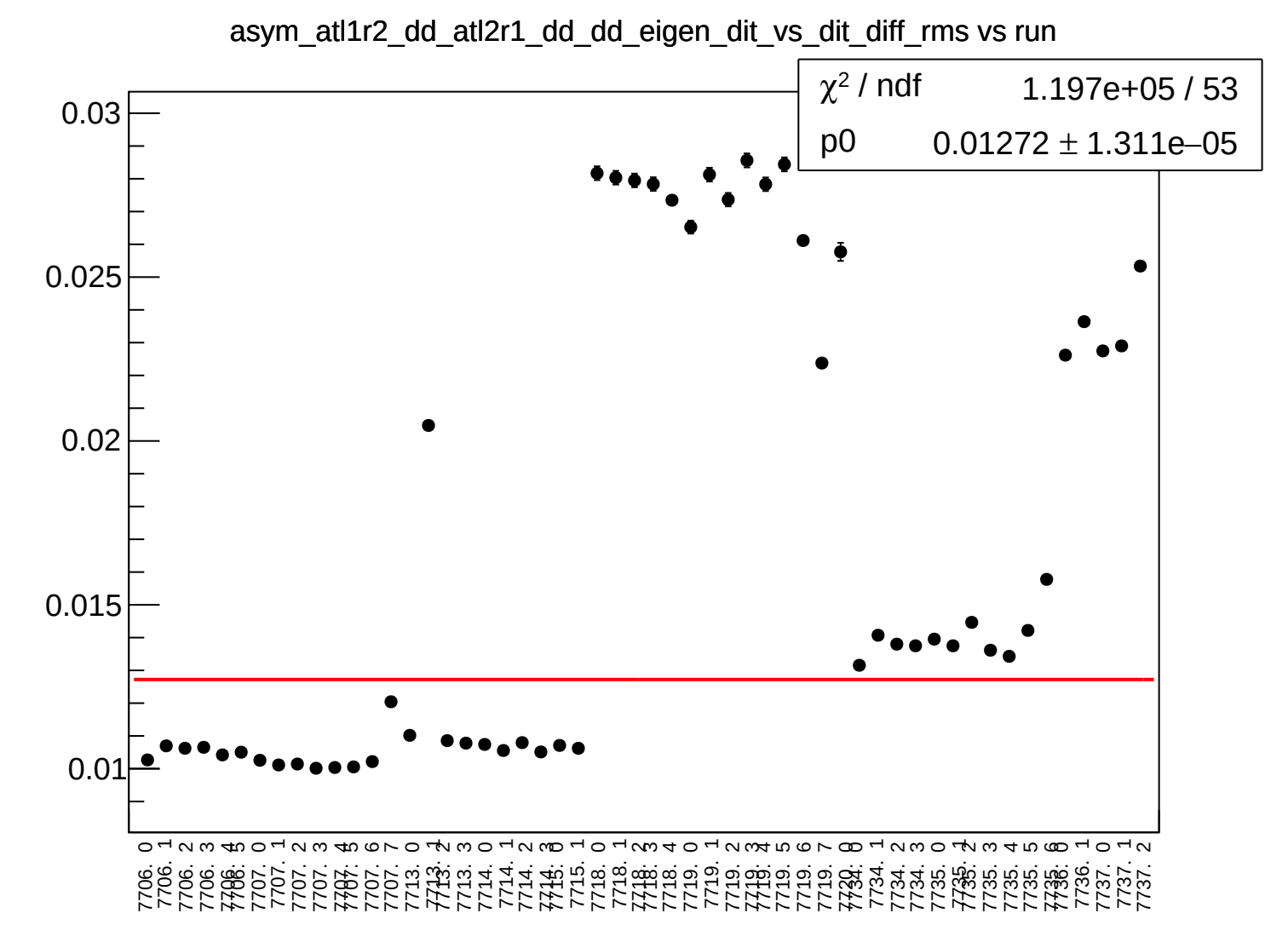

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

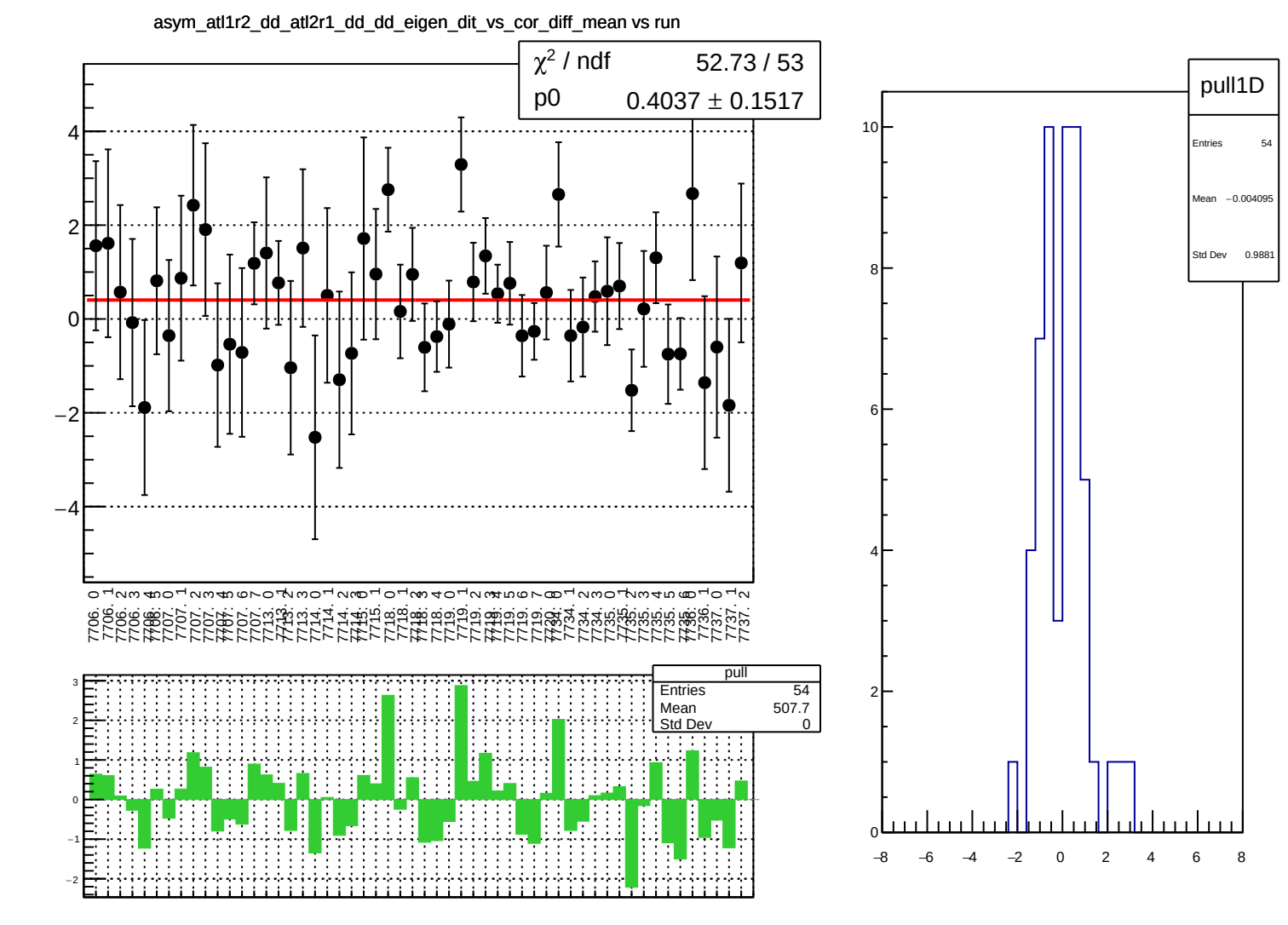

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.72 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 505.9
Std Dev 0
pull1D
Entries 54
Mean −0.004111
Std Dev 0.9881

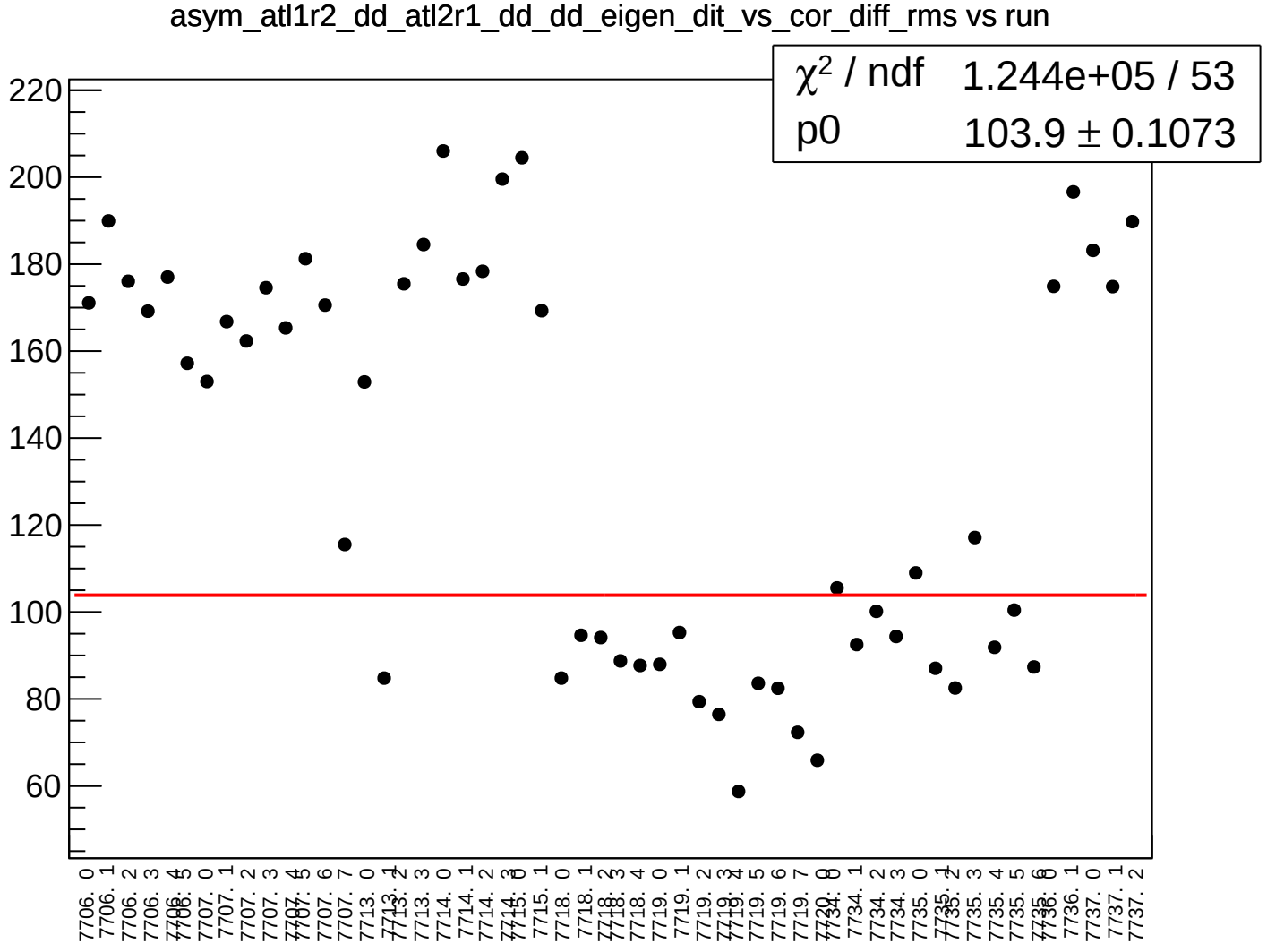

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

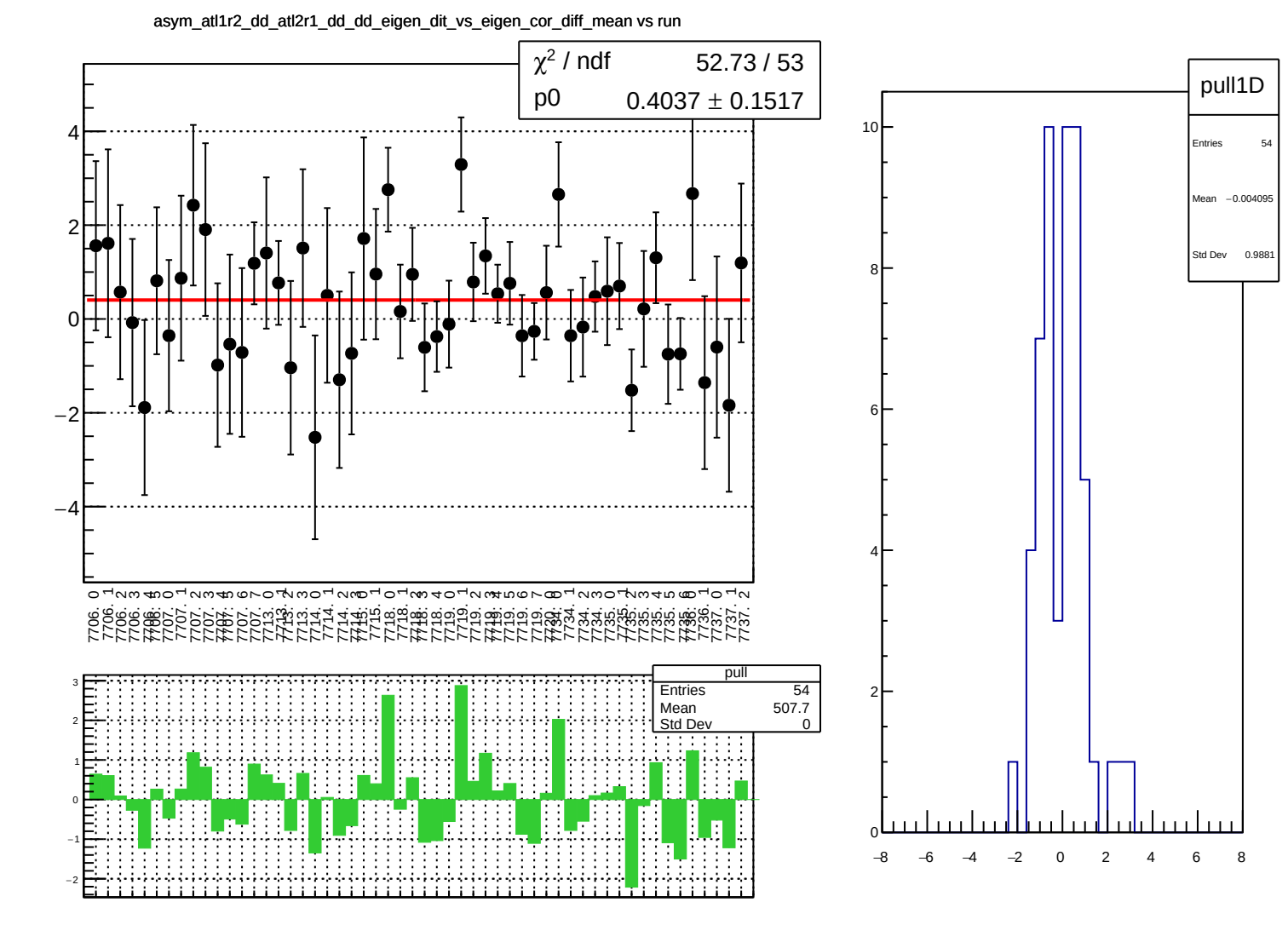

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.61 / 53
p0 1.426e−05 ± 1.853e−05
pull
Entries 54
Mean 4.99
Std Dev 0

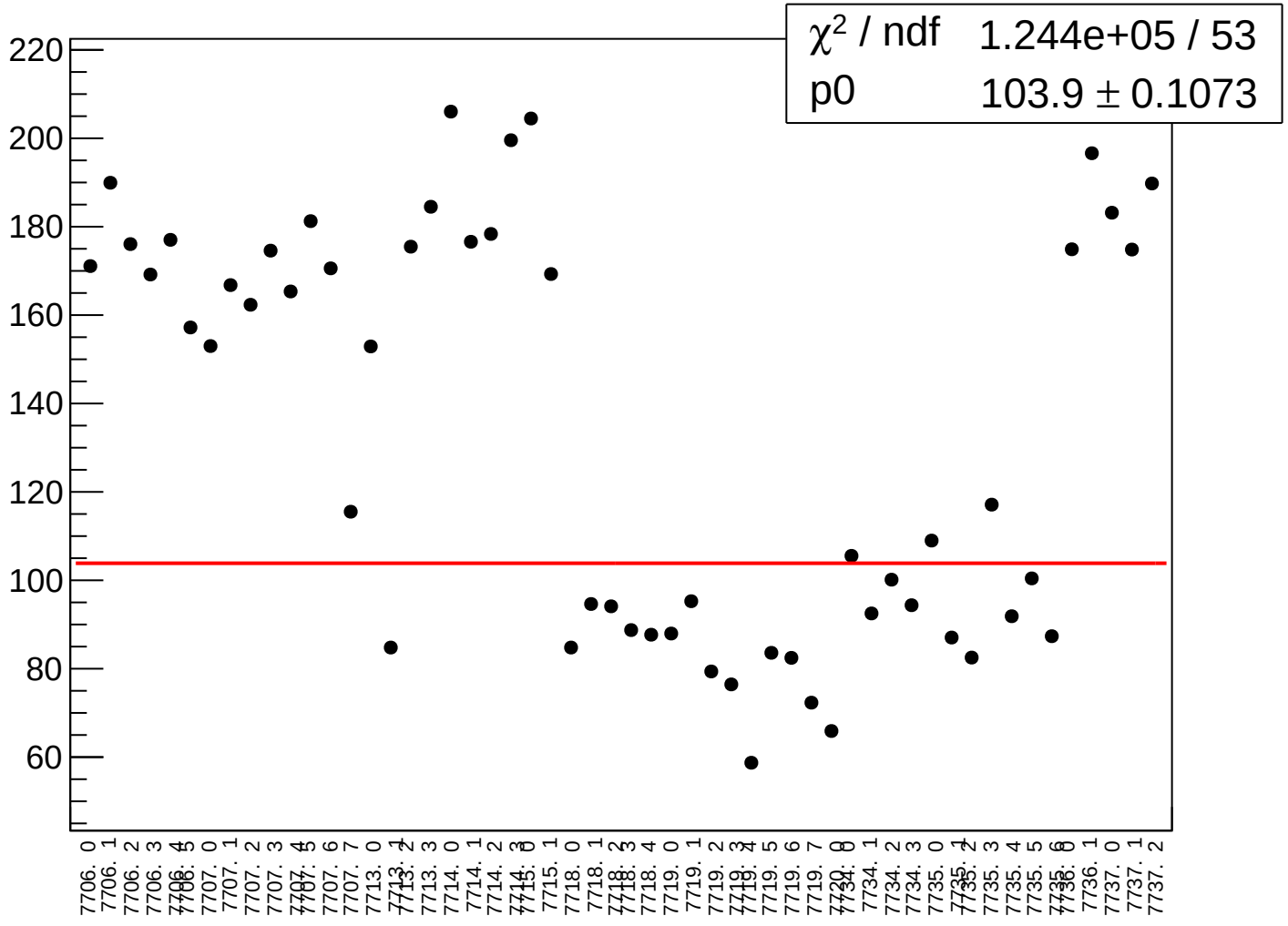

pull1D
Entries 54
Mean −0.03009
Std Dev 0.9385

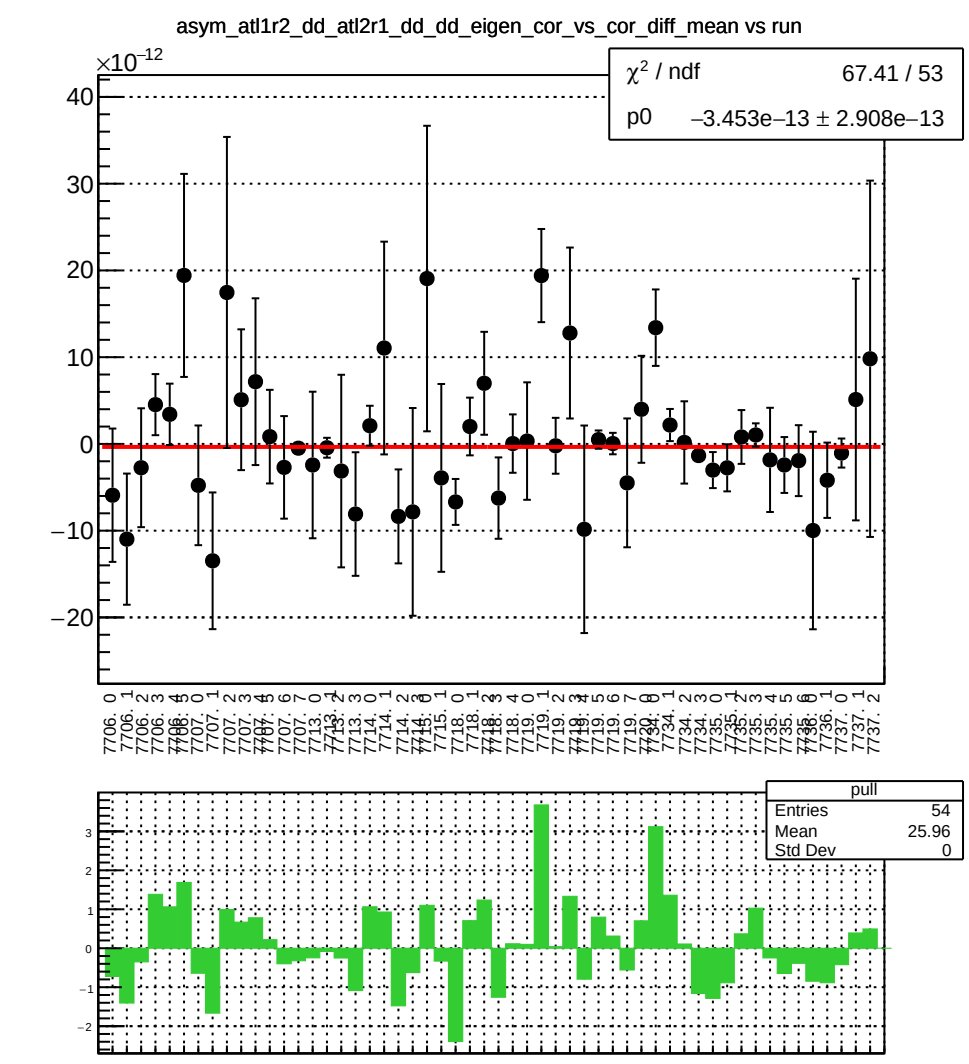

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.197e+05 / 53
p0 0.01272 ± 1.311e−05
0.03
0.025
0.02
0.015
0.01

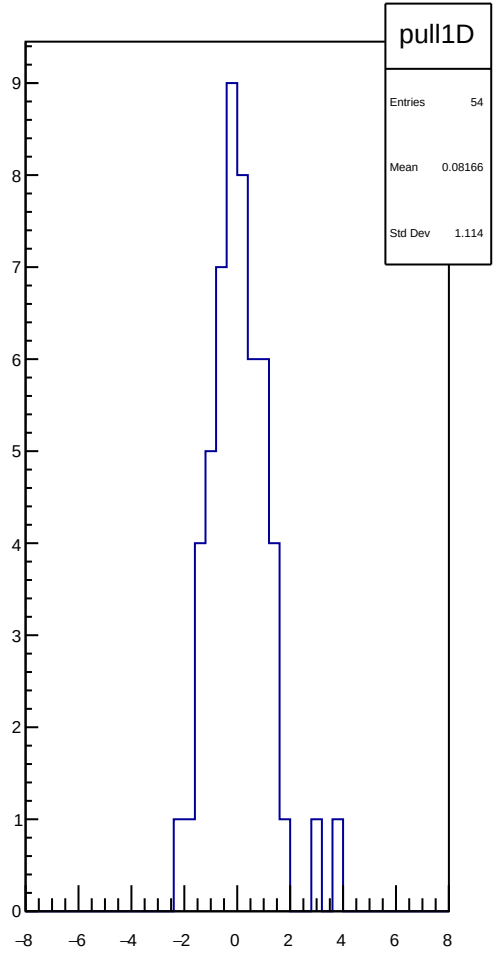

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 507.7
Std Dev 0
pull1D
Entries 54
Mean −0.004095
Std Dev 0.9881

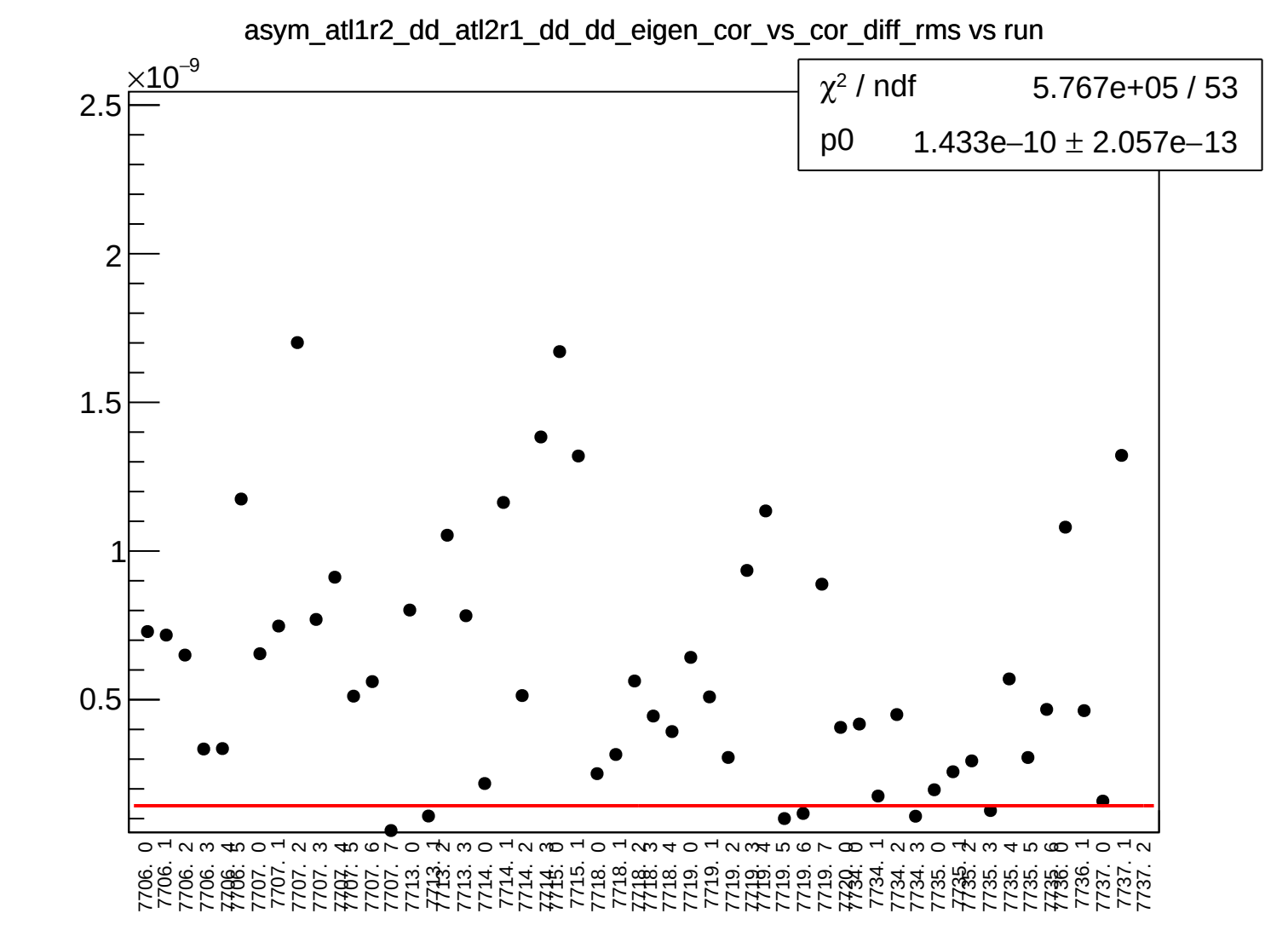

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60

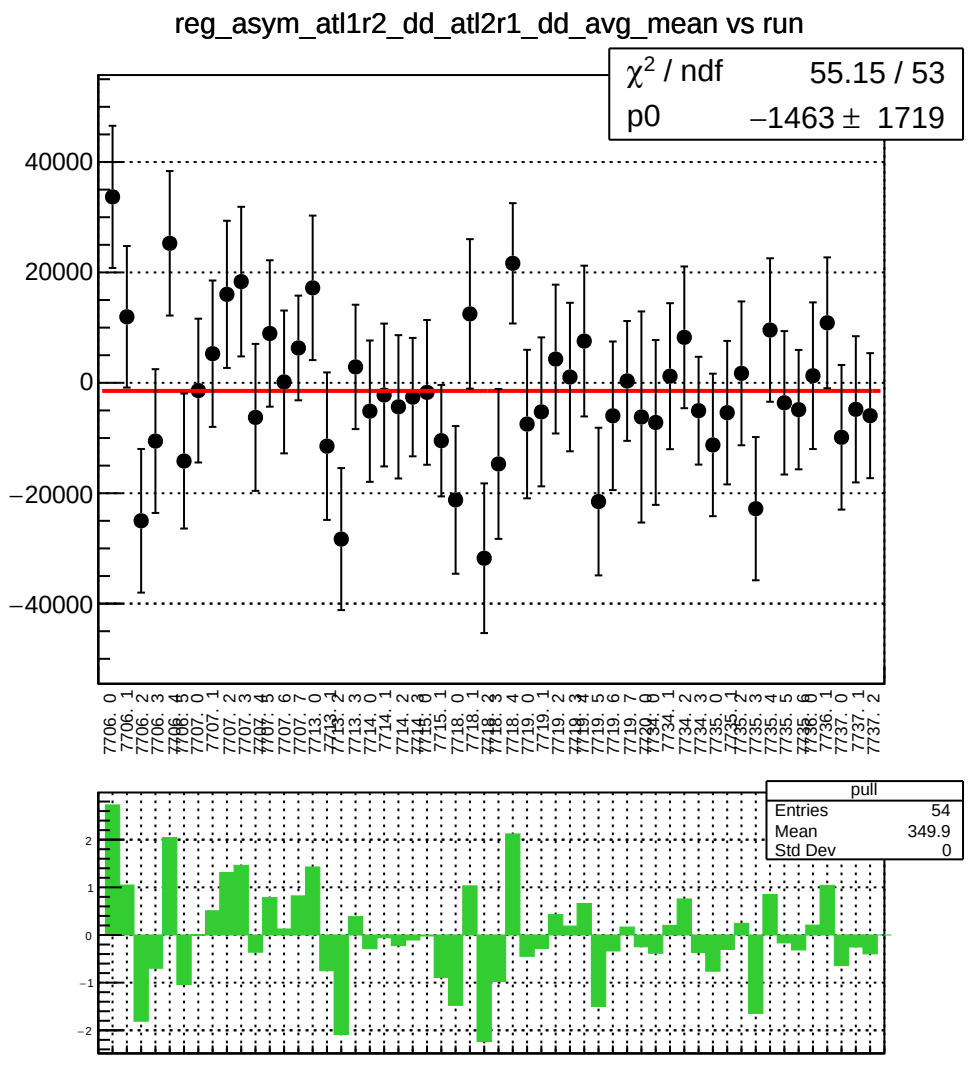

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 53
p0 0.4037 ± 0.1517
pull
Entries 54
Mean 507.7
Std Dev 0
pull1D
Entries 54
Mean −0.004095
Std Dev 0.9881

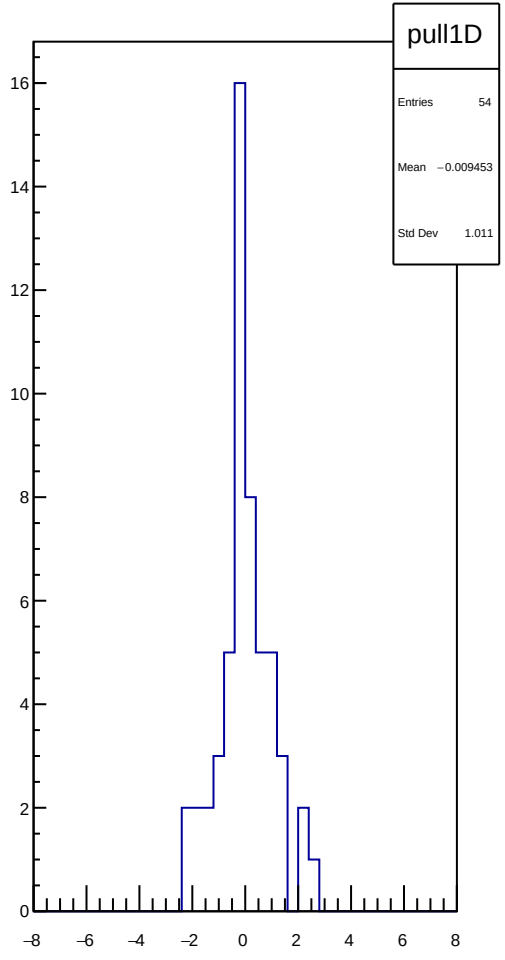

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.244e+05 / 53
p0 103.9 ± 0.1073
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

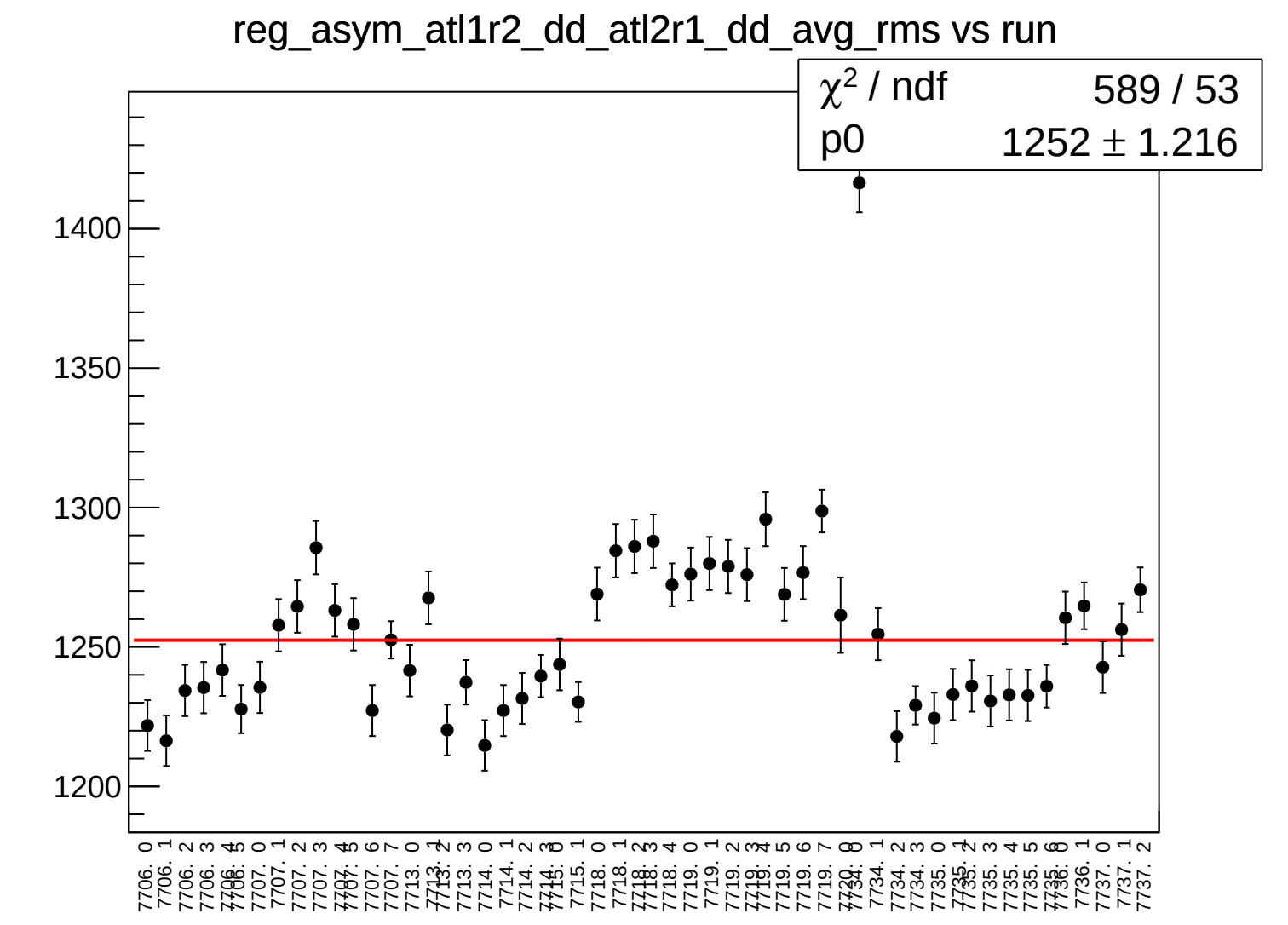

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.41 / 53
p0 −3.453e−13 ± 2.908e−13
pull
Entries 54
Mean 25.96
Std Dev 0


pull1D
Entries 54
Mean 0.08166
Std Dev 1.114

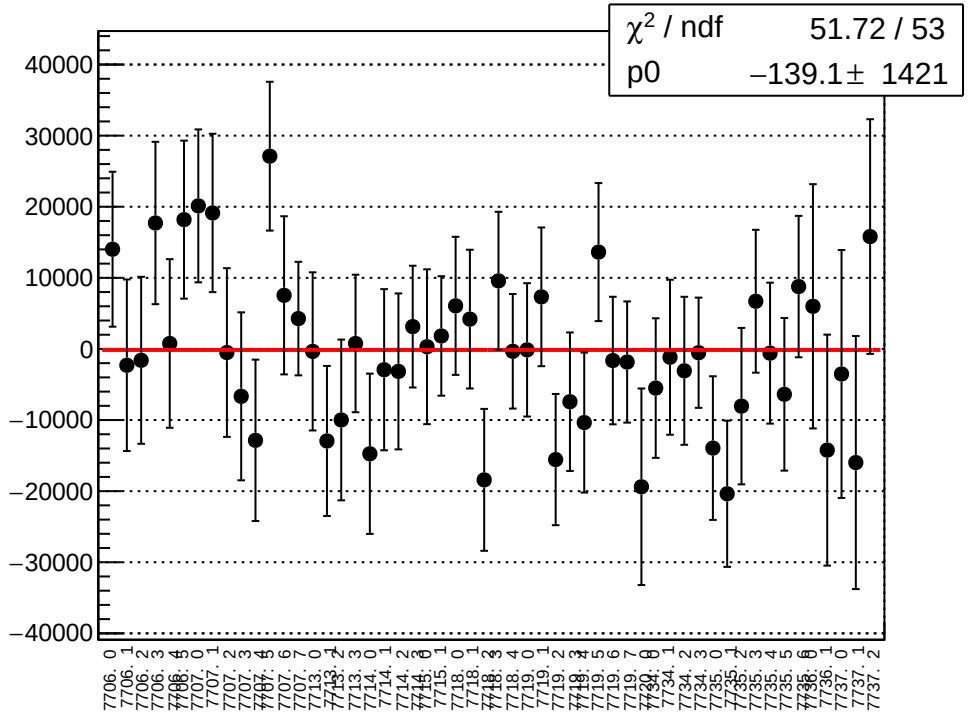

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.767e+05 / 53
p0 1.433e−10 ± 2.057e−13
2.5
2
1.5
1
0.5

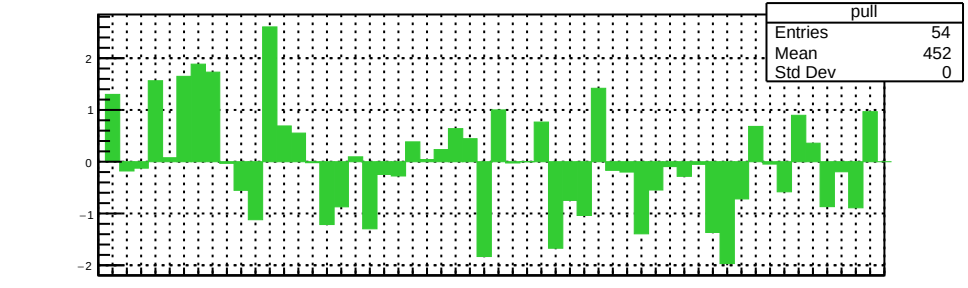

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.15 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
2
1
0
−1
−2

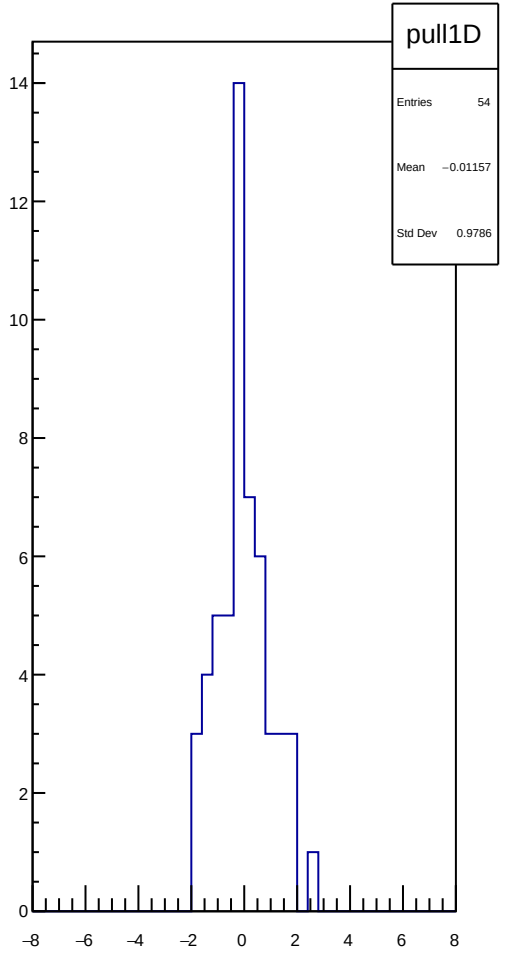

pull1D
Entries 54
Mean −0.009453
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

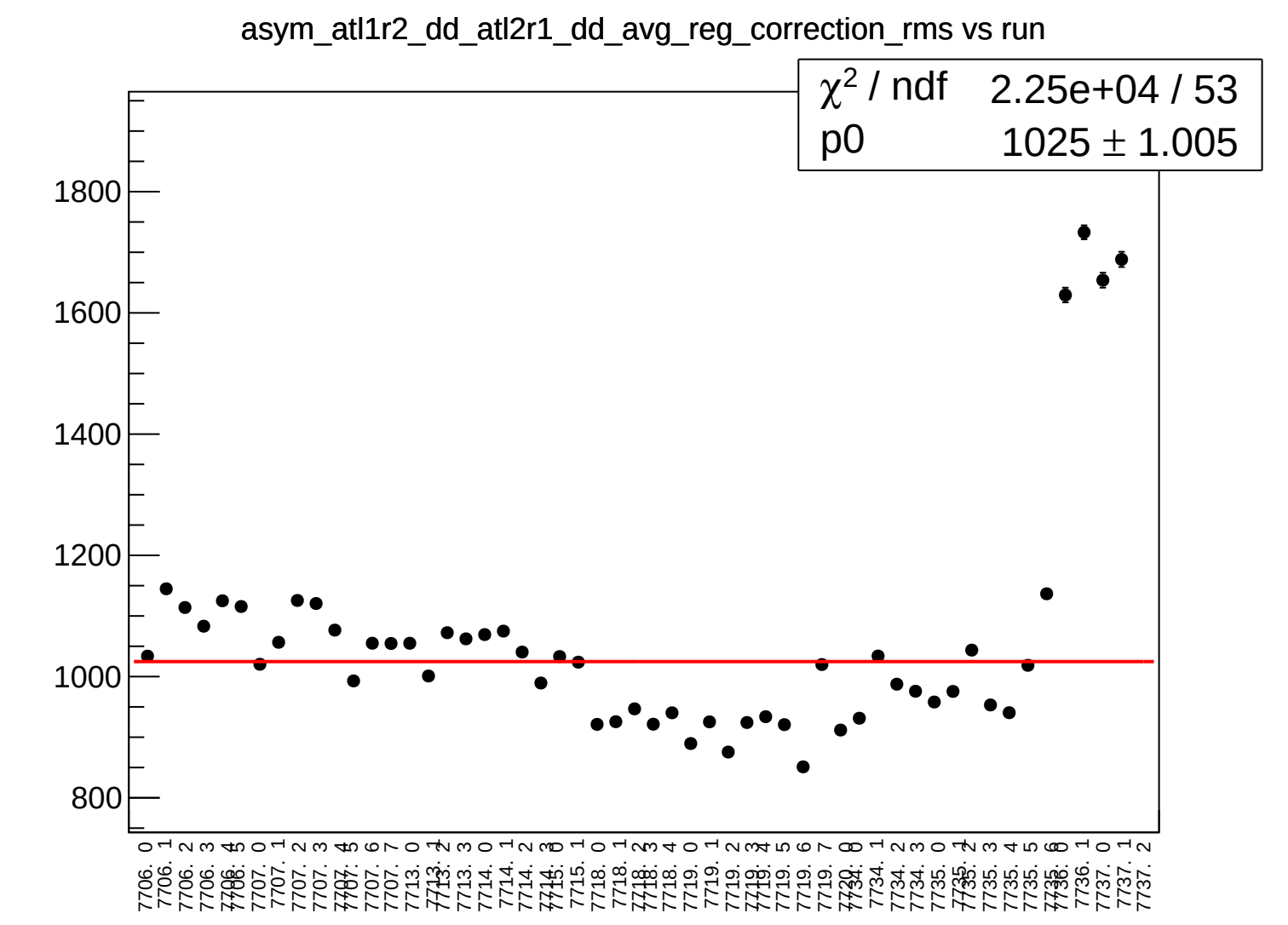

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

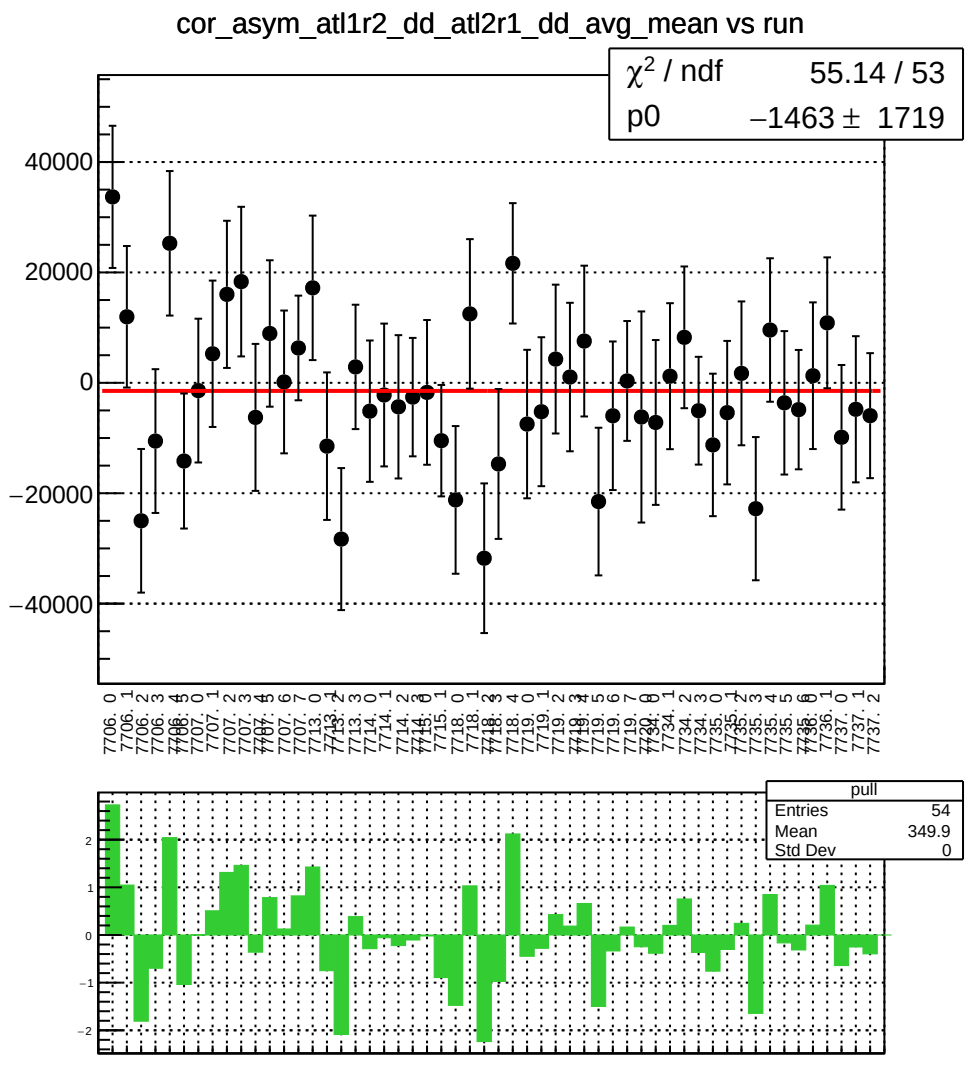
asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run

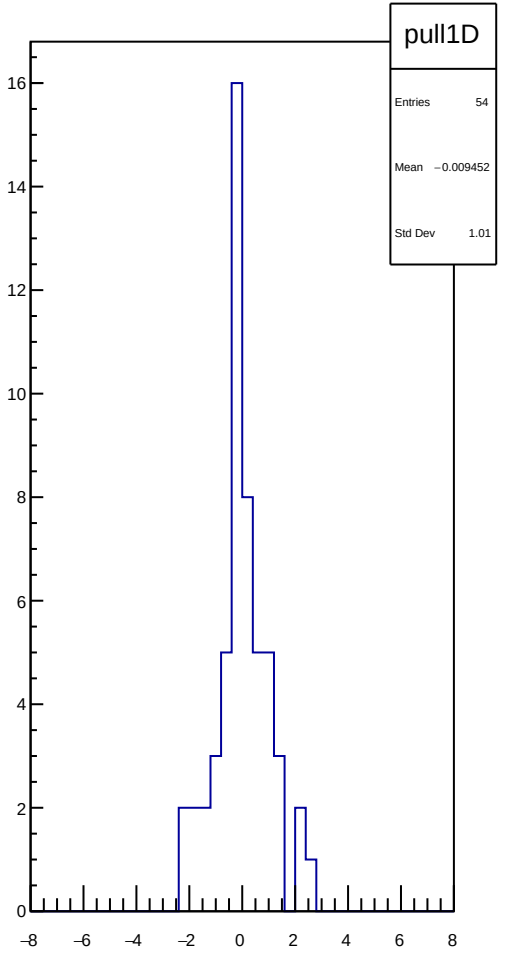


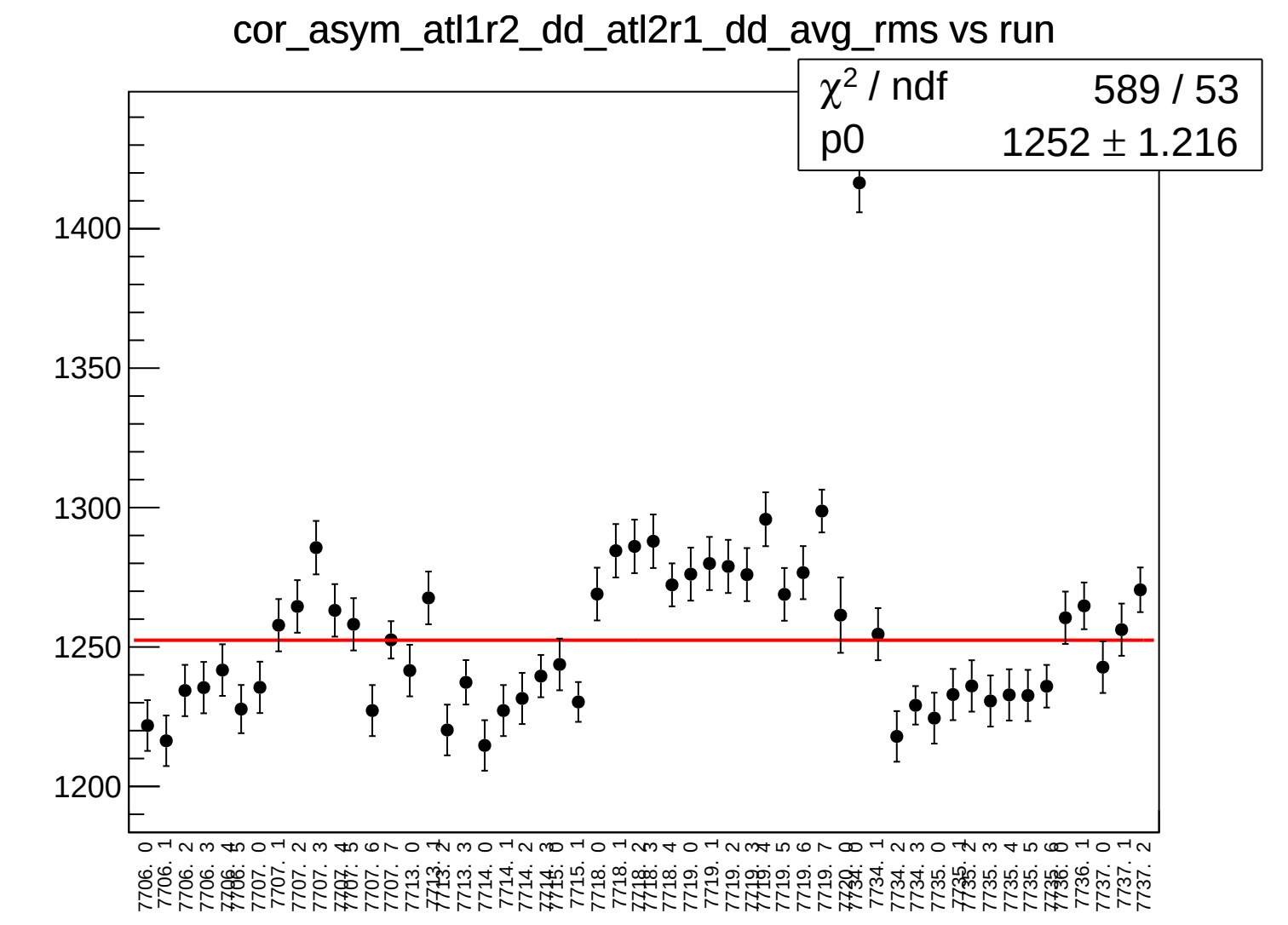


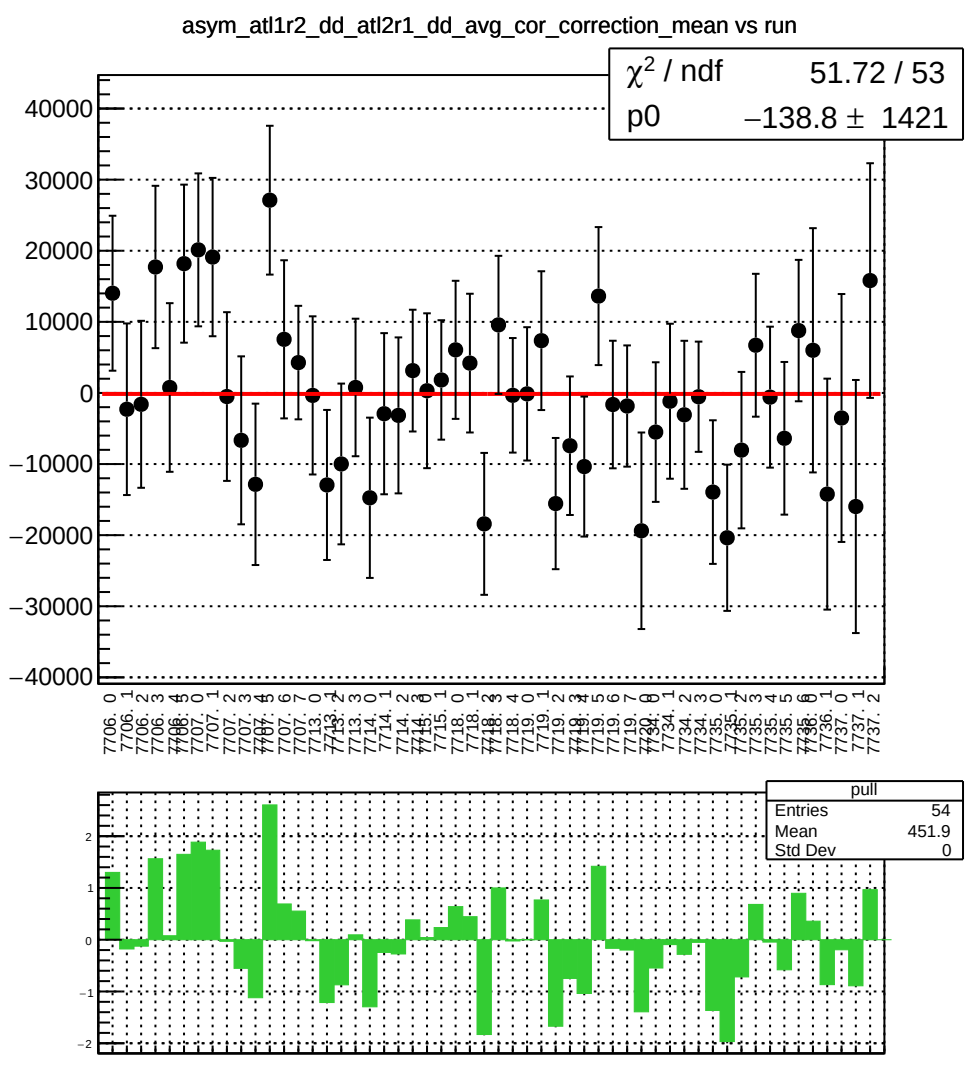


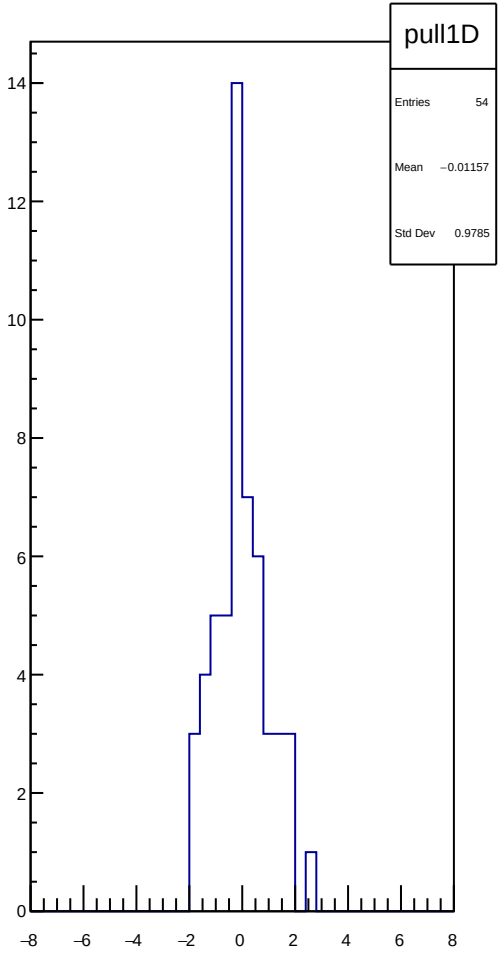

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

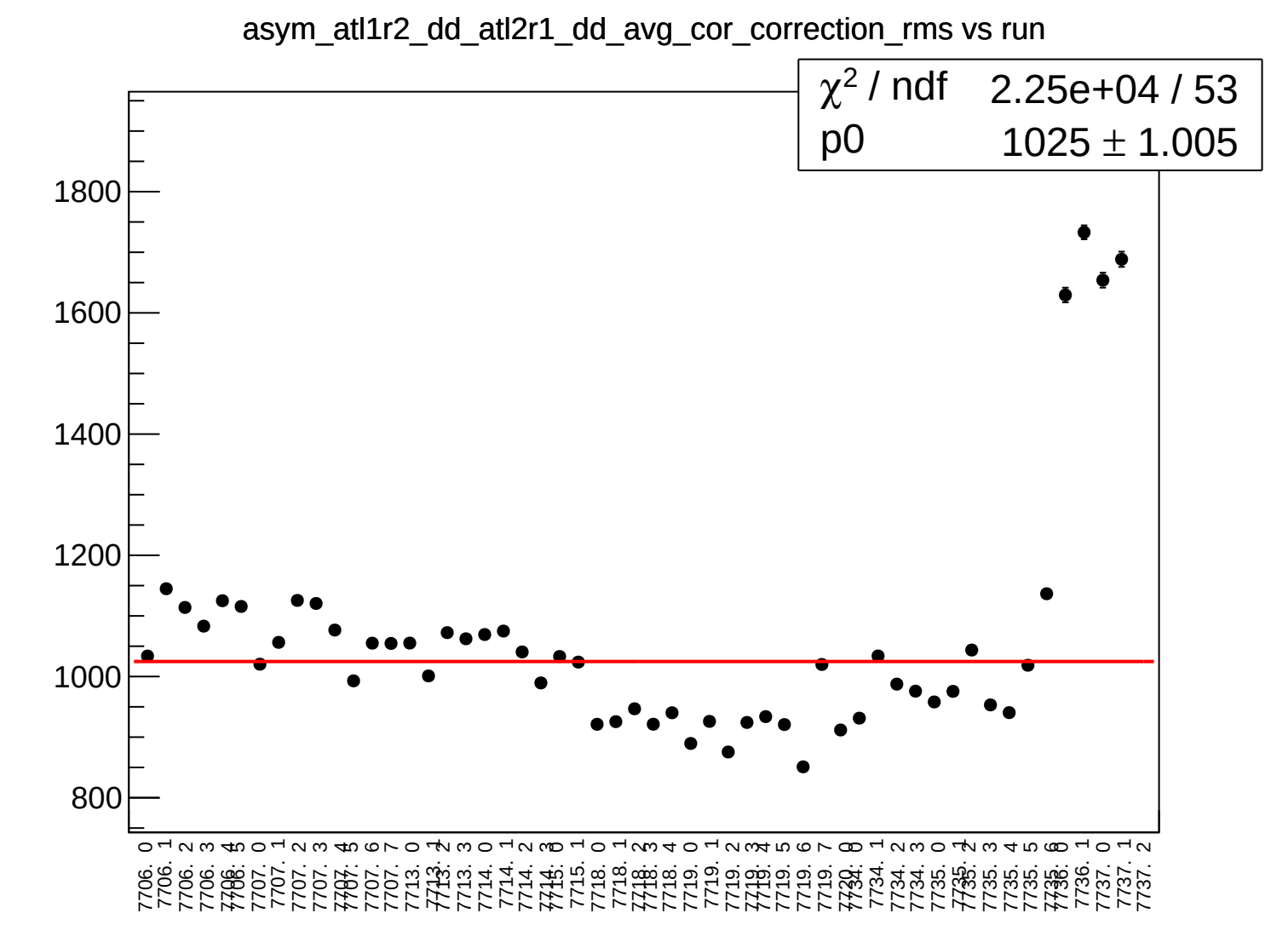

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.14 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
2
1
0
−1
−2

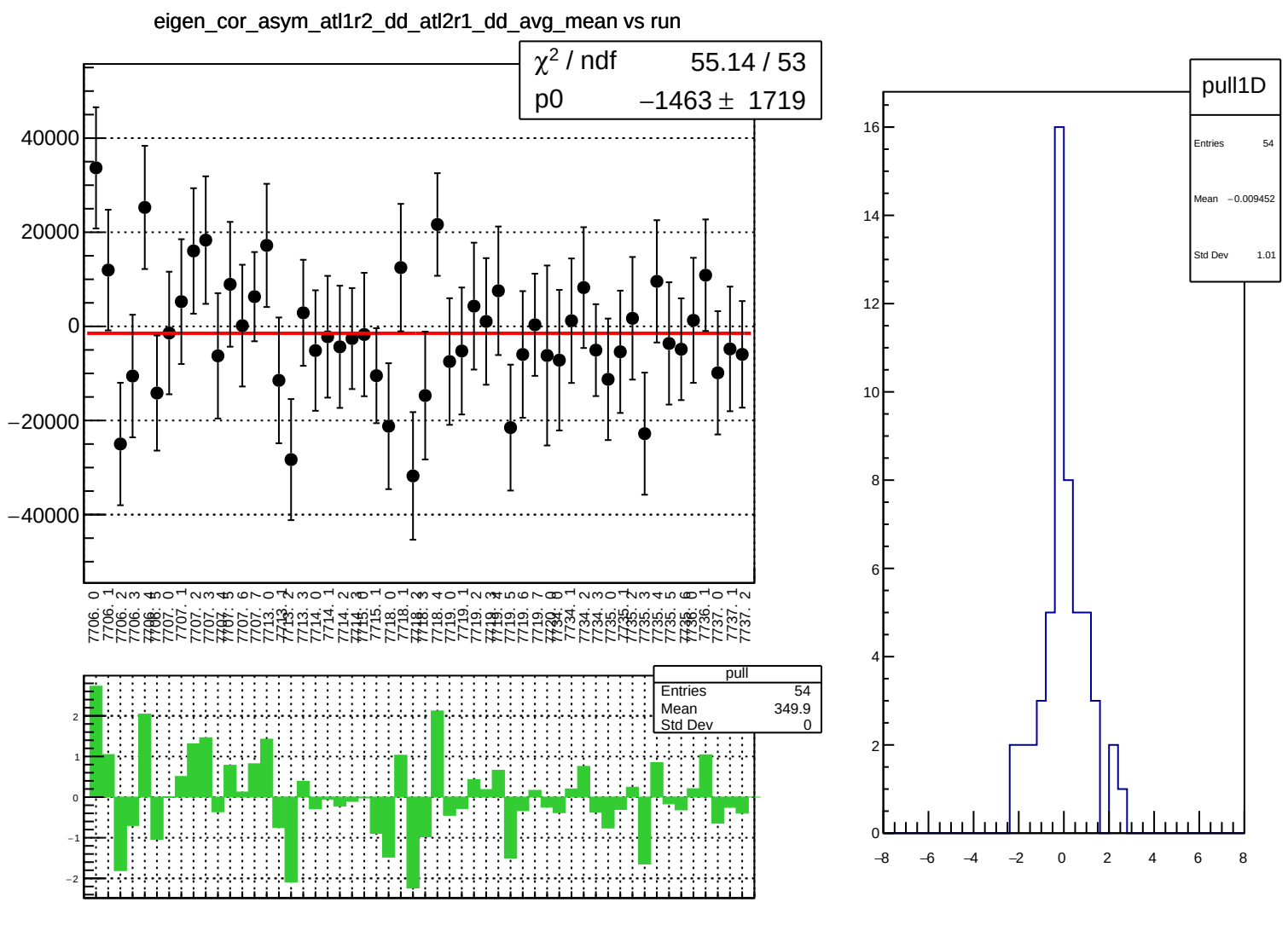

pull1D
Entries 54
Mean −0.009452
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

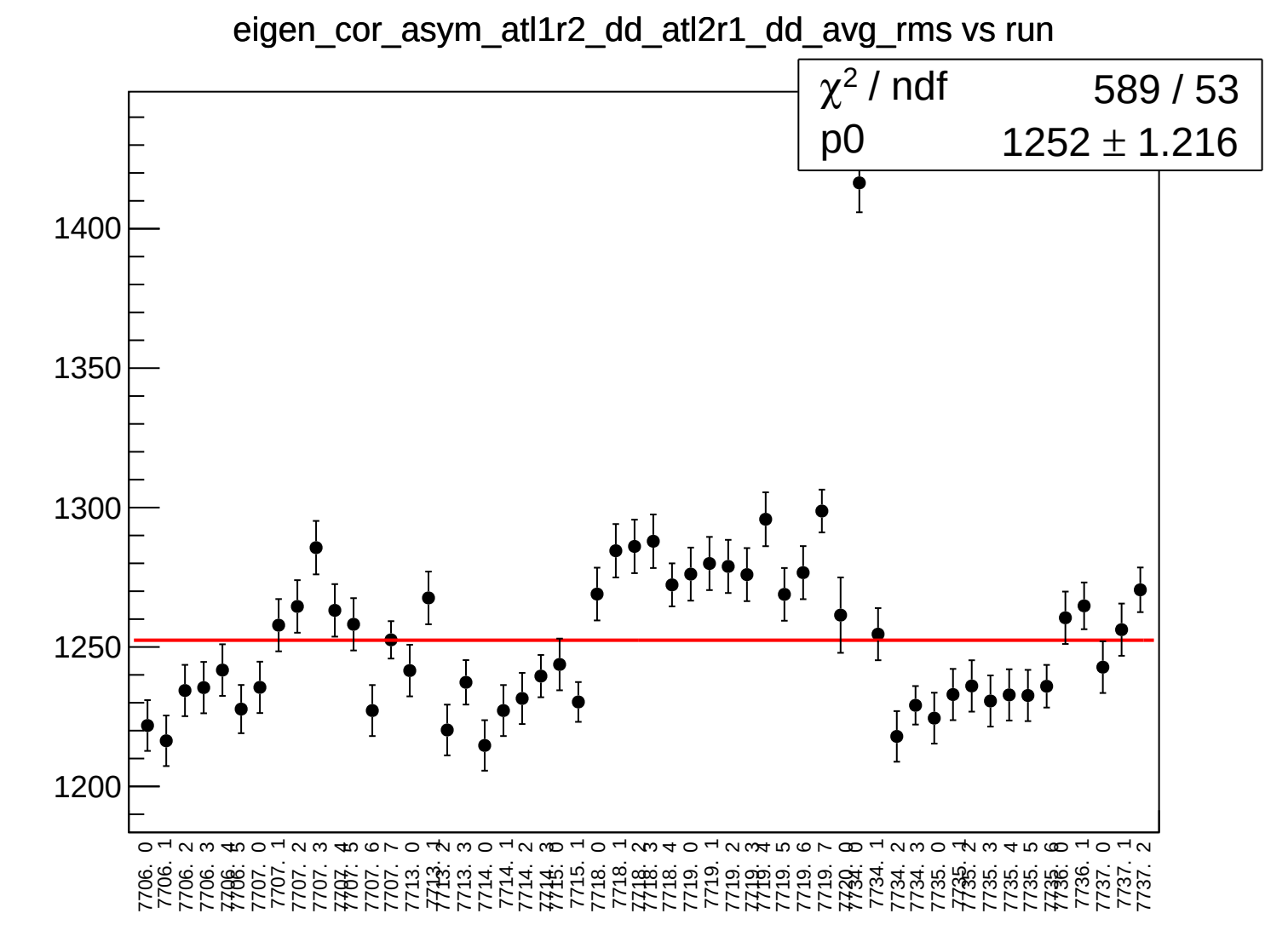

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200

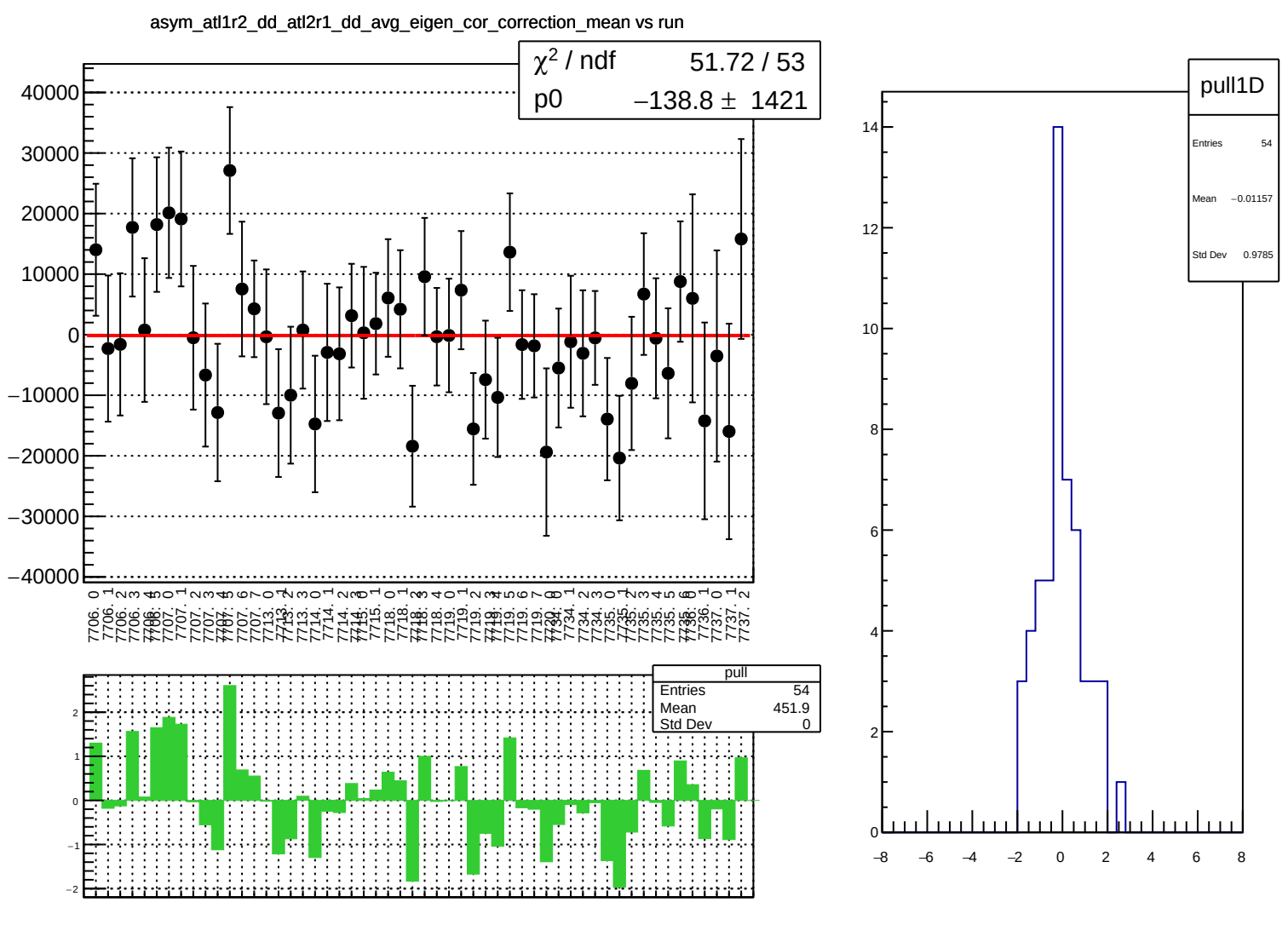

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 51.72 / 53
p0 −138.8 ± 1421
pull
Entries 54
Mean 451.9
Std Dev 0

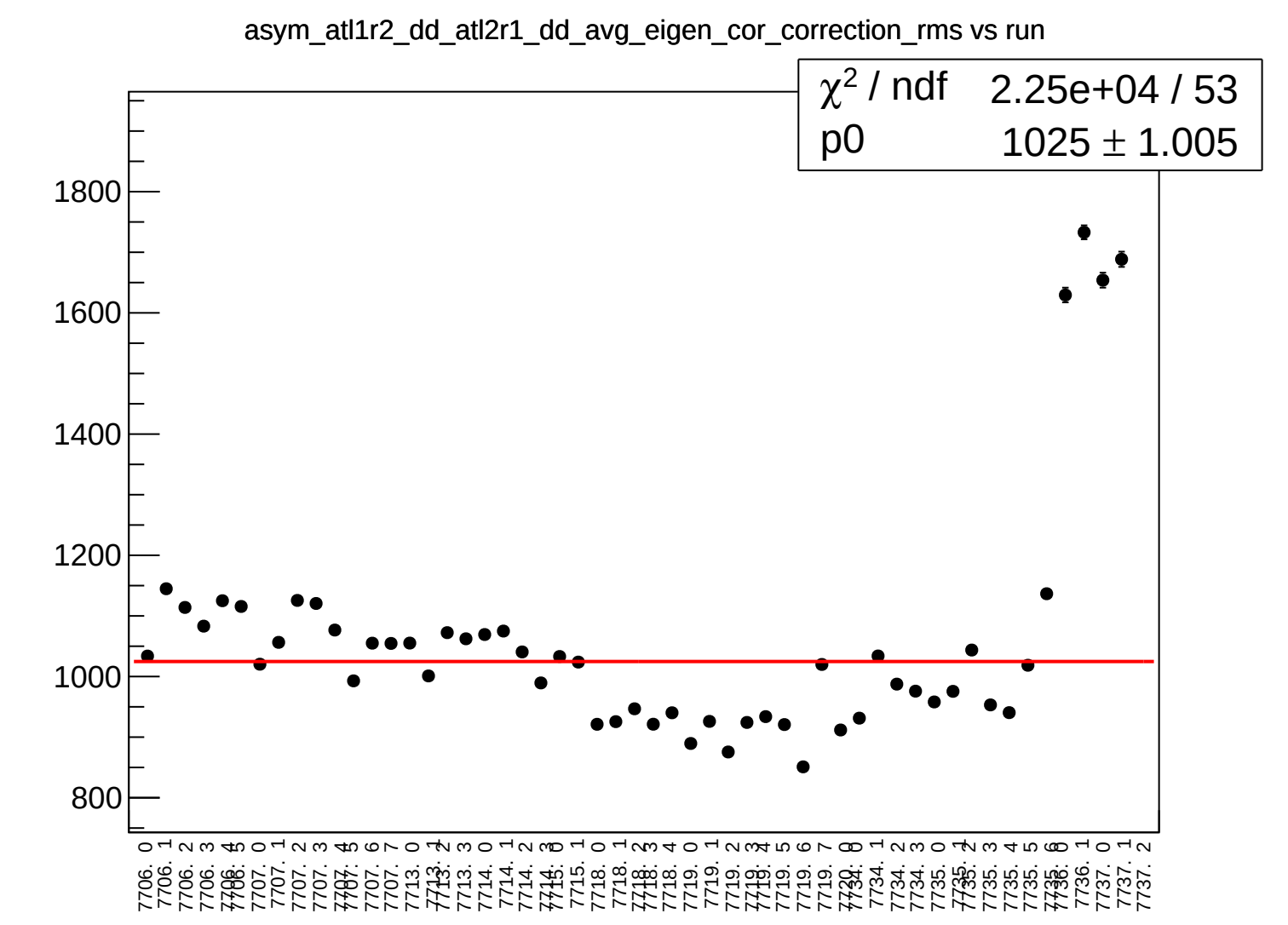

pull1D
Entries 54
Mean −0.01157
Std Dev 0.9785

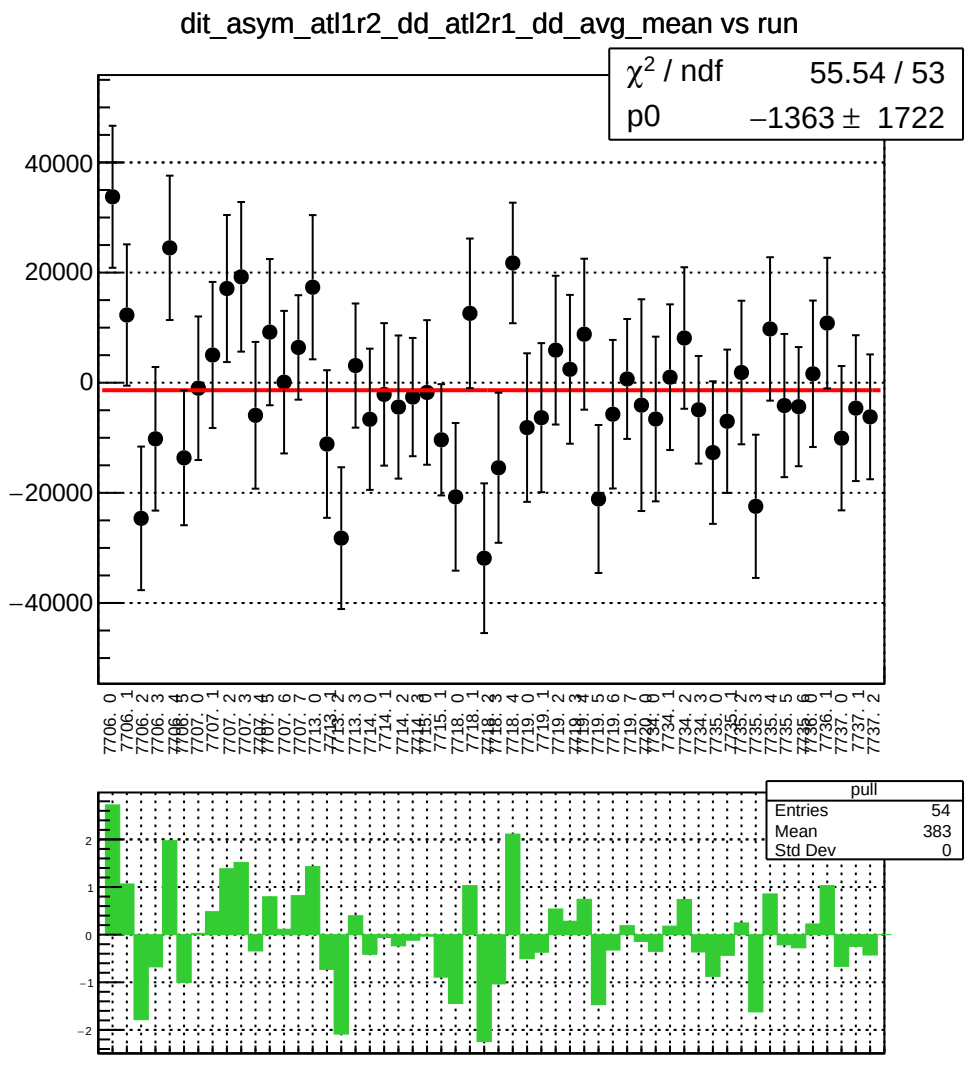

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

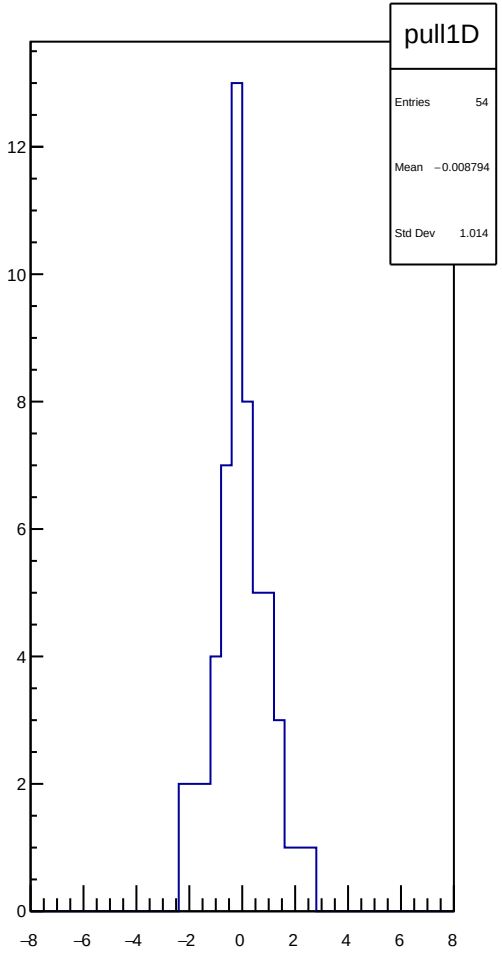

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.14 / 53
p0 −1463 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 349.9
Std Dev 0
pull1D
Entries 54
Mean −0.009452
Std Dev 1.01

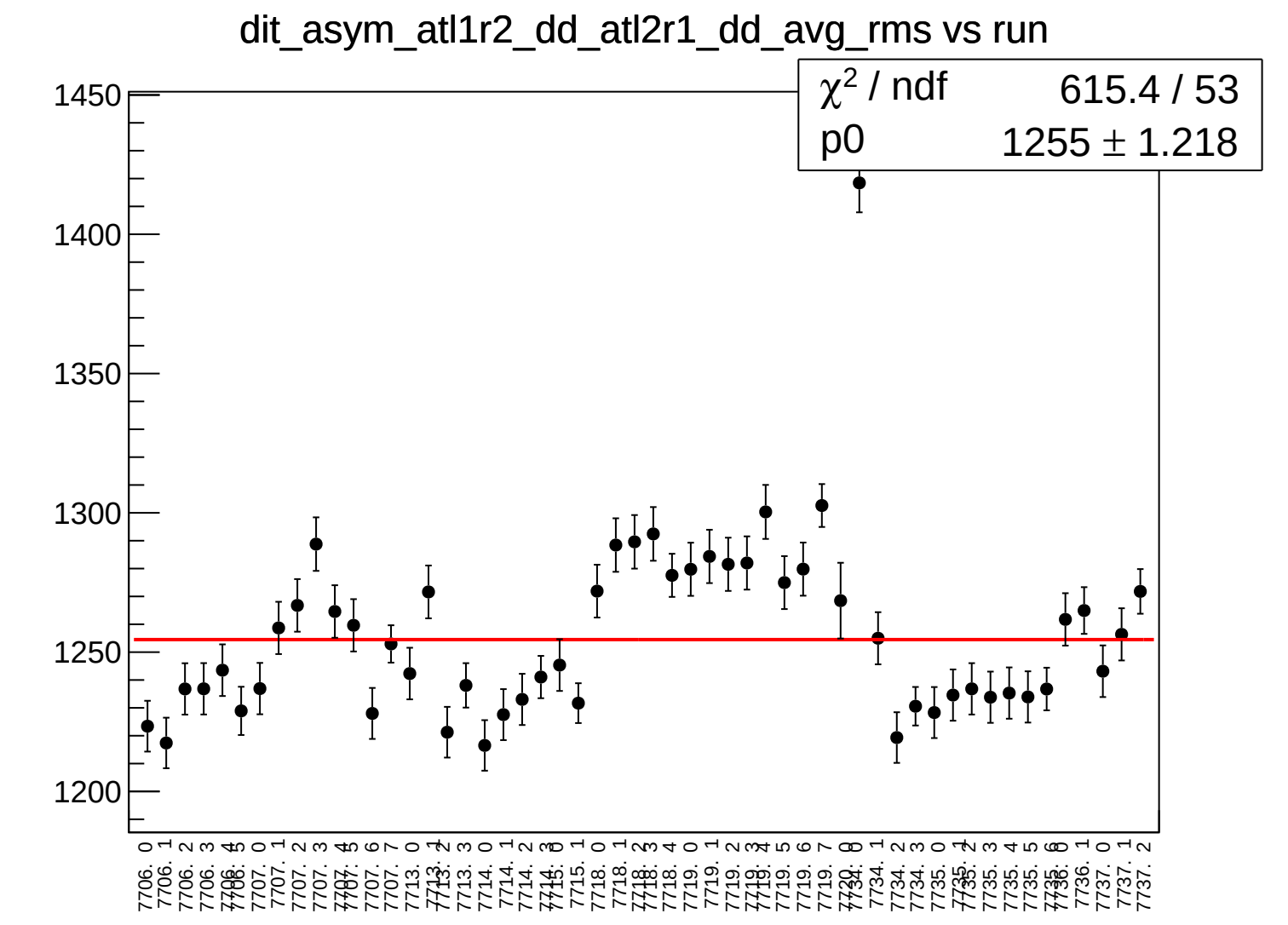

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 589 / 53
p0 1252 ± 1.216
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

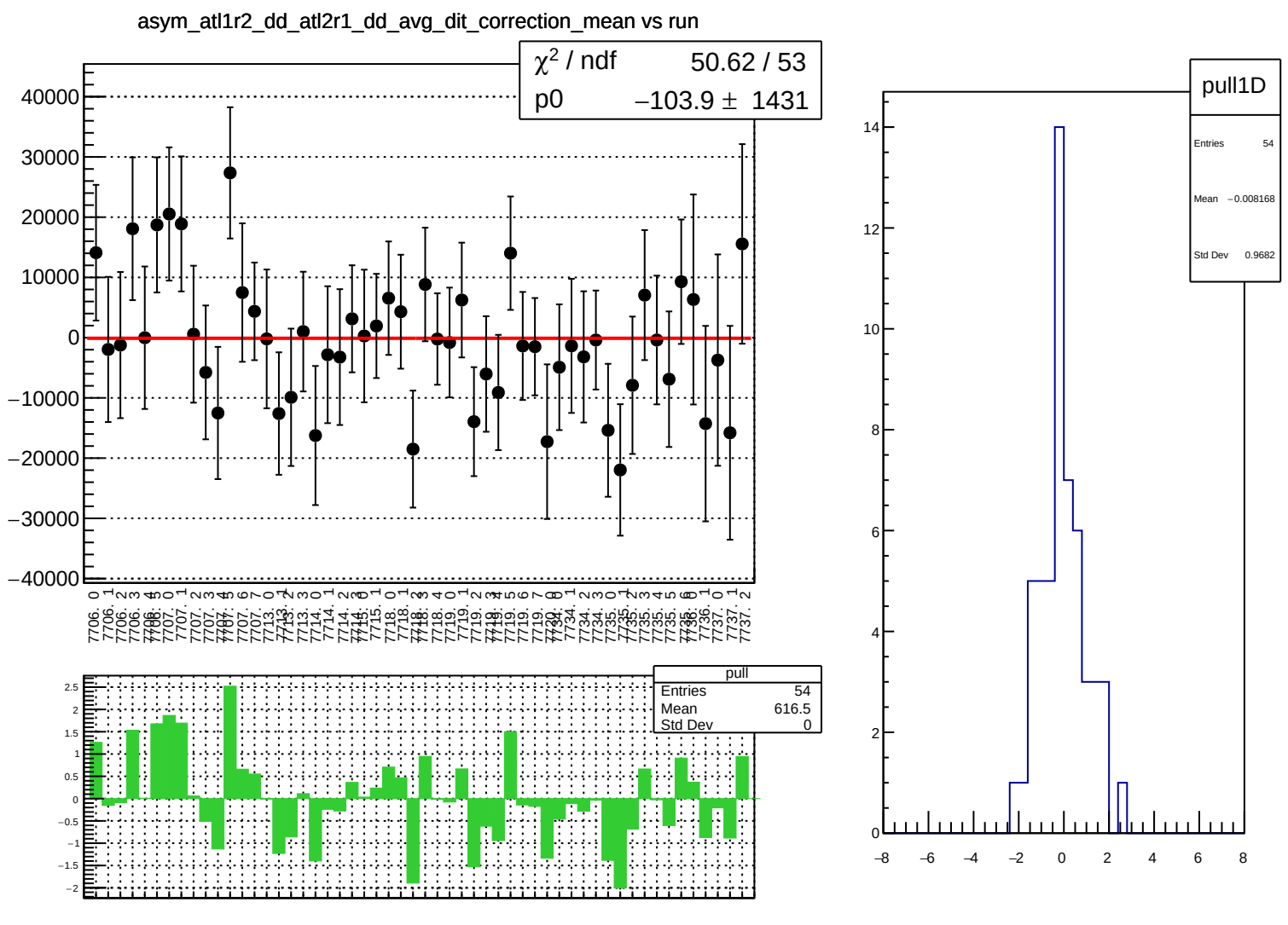

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 51.72 / 53
p0 −138.8 ± 1421
pull
Entries 54
Mean 451.9
Std Dev 0
pull1D
Entries 54
Mean −0.01157
Std Dev 0.9785

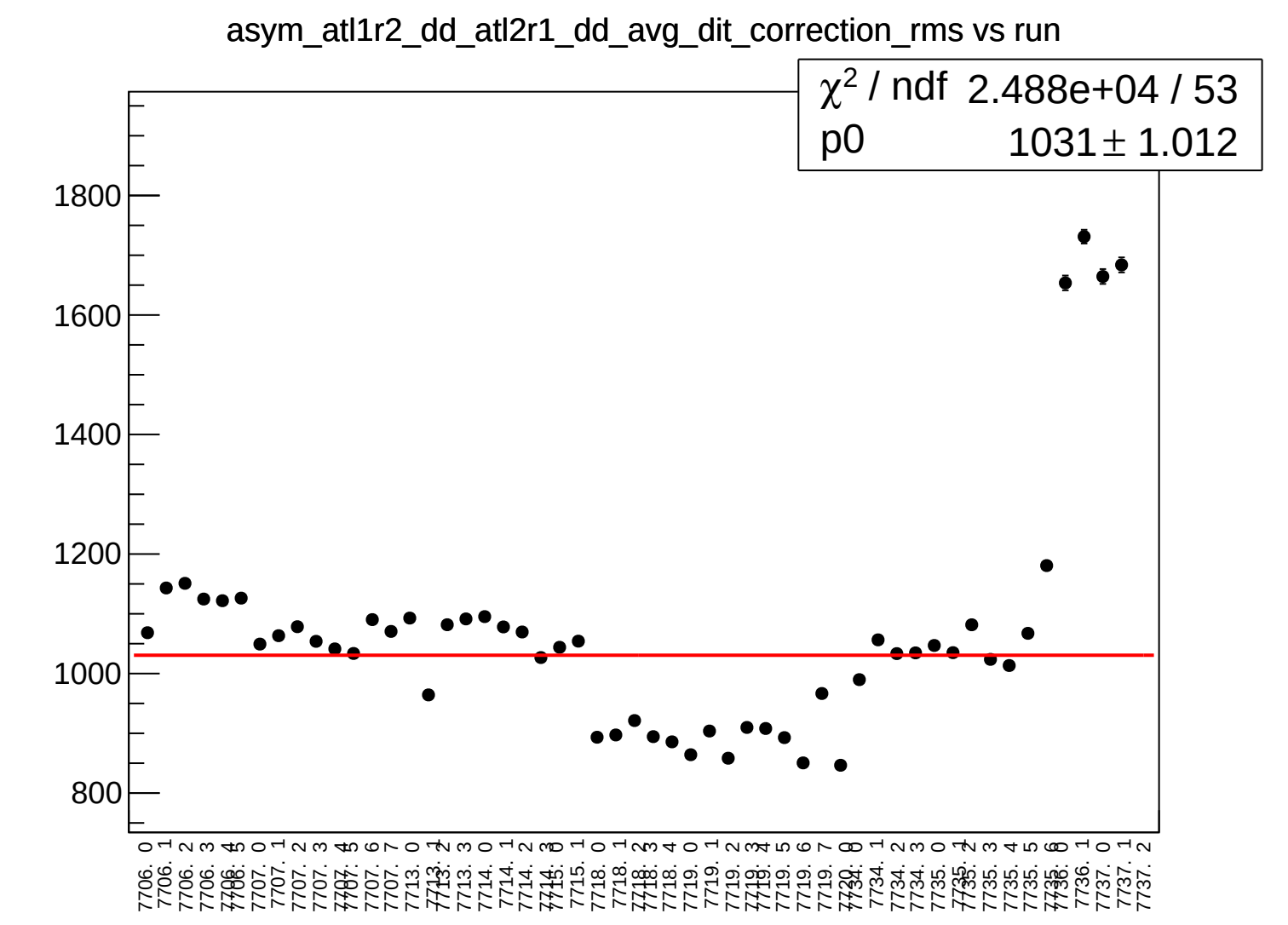

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.25e+04 / 53
p0 1025 ± 1.005
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

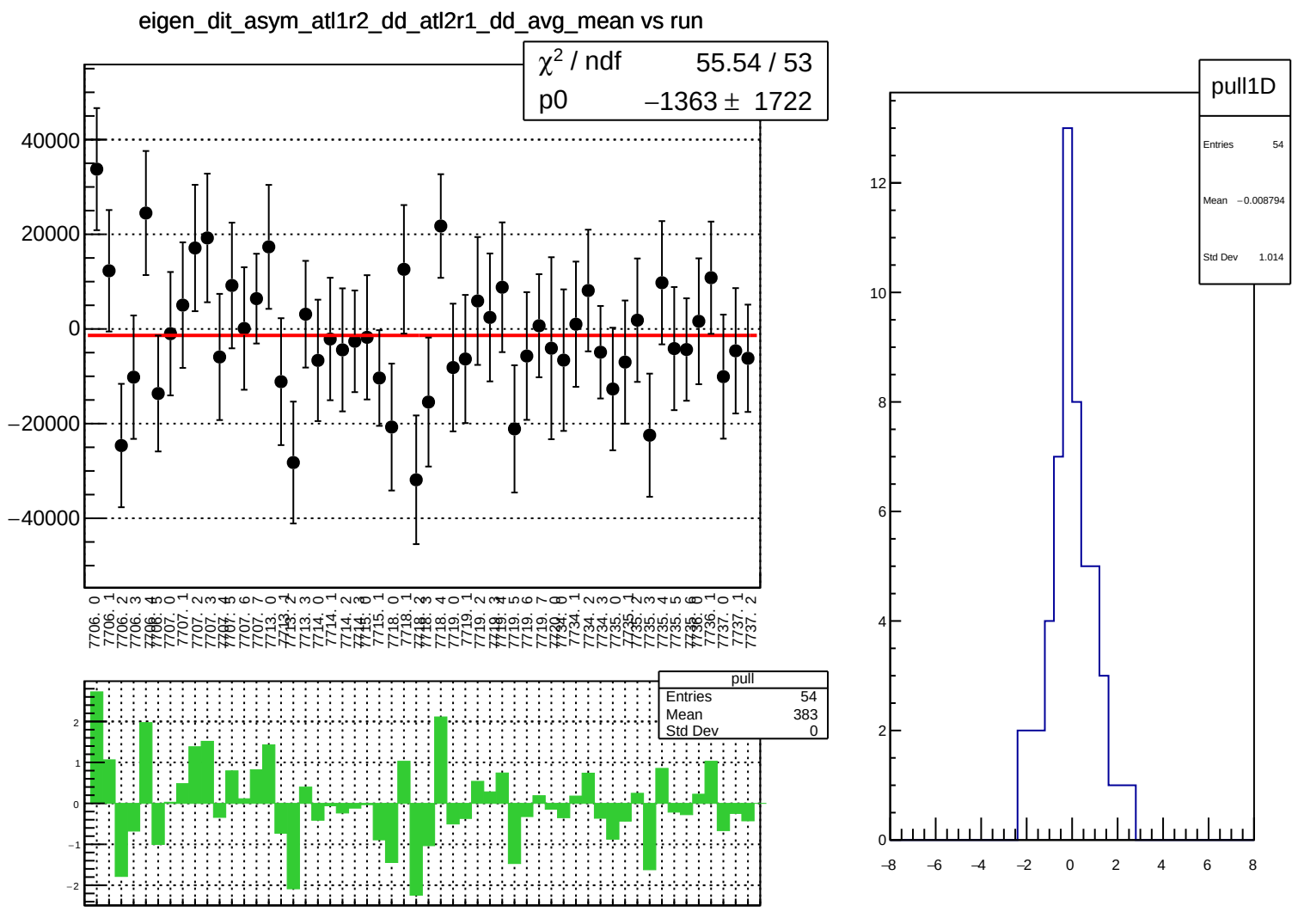

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.54 / 53
p0 −1363 ± 1722
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 383
Std Dev 0
2
1
0
−1
−2

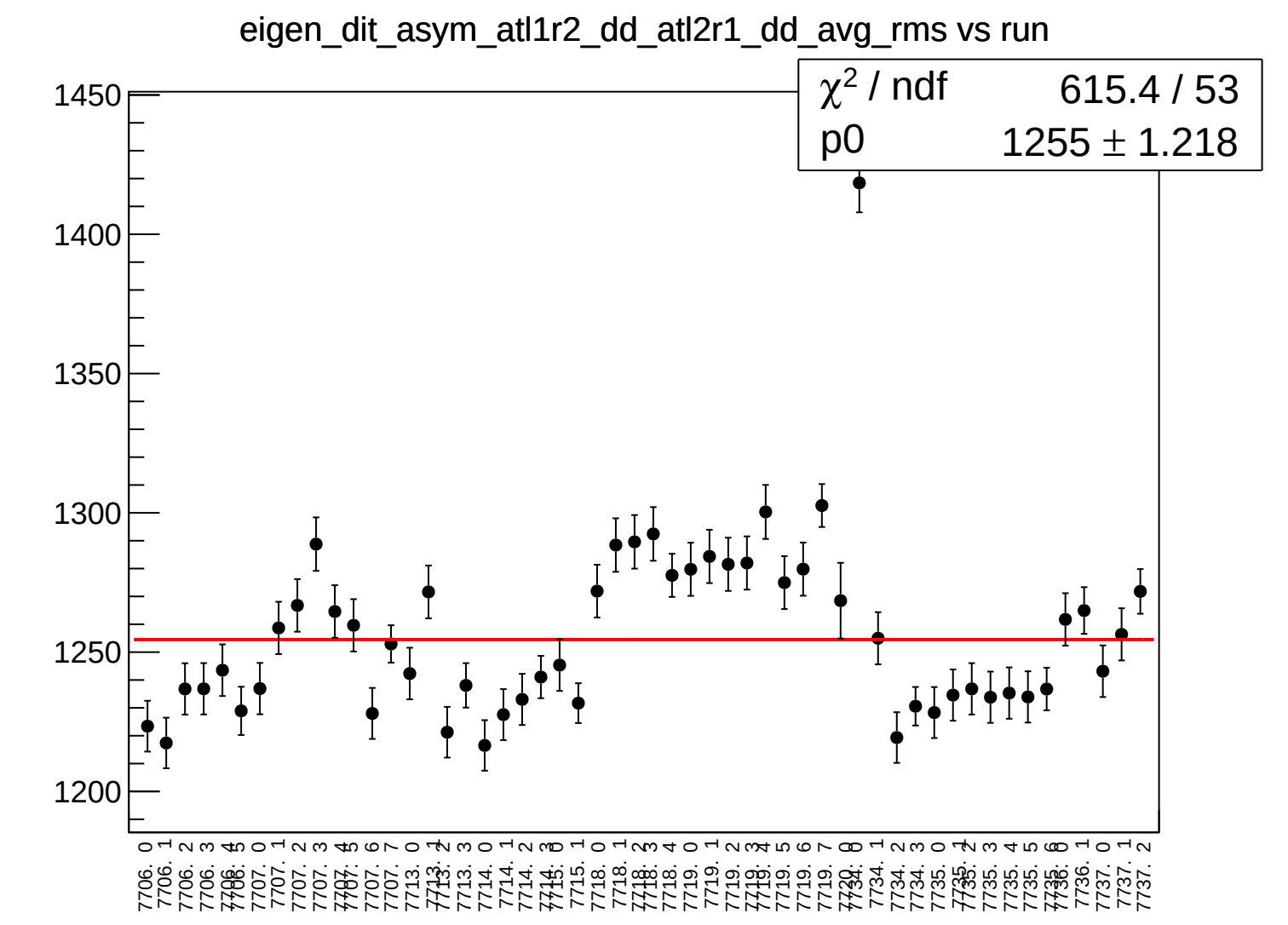

pull1D
Entries 54
Mean −0.008794
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

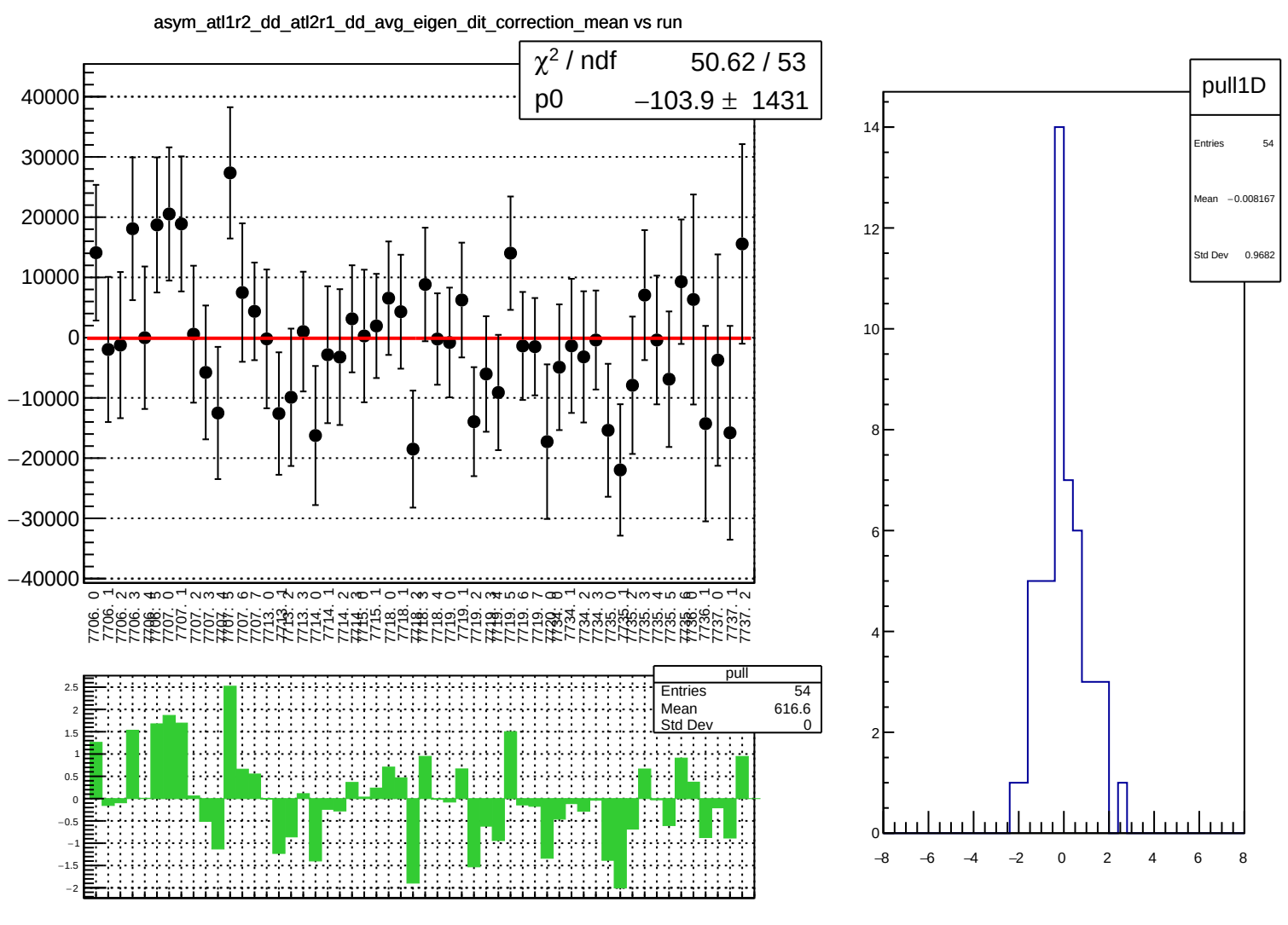

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 615.4 / 53
p0 1255 ± 1.218
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

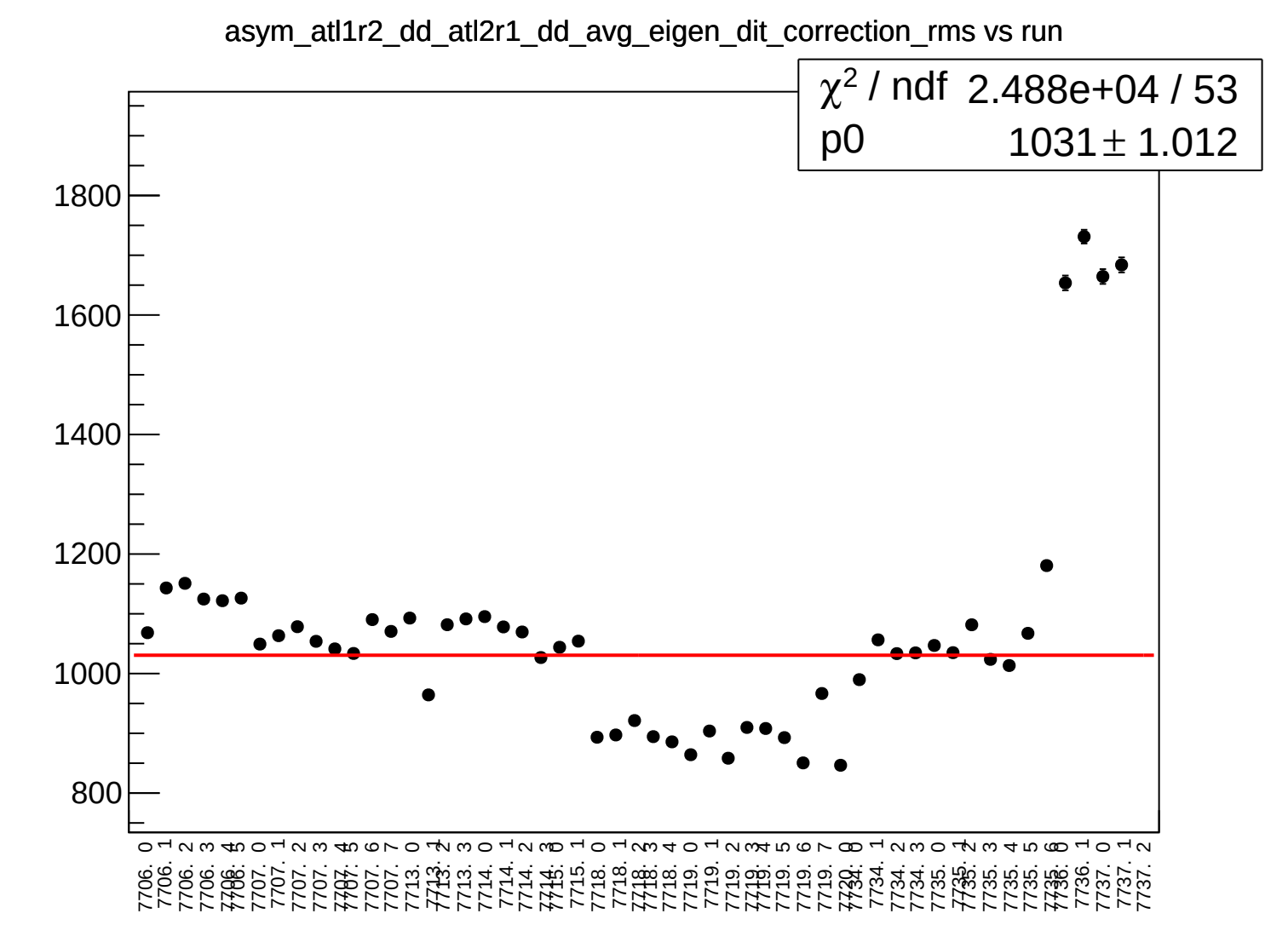

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 50.62 / 53
p0 −103.9 ± 1431
pull
Entries 54
Mean 616.5
Std Dev 0
pull1D
Entries 54
Mean −0.008168
Std Dev 0.9682

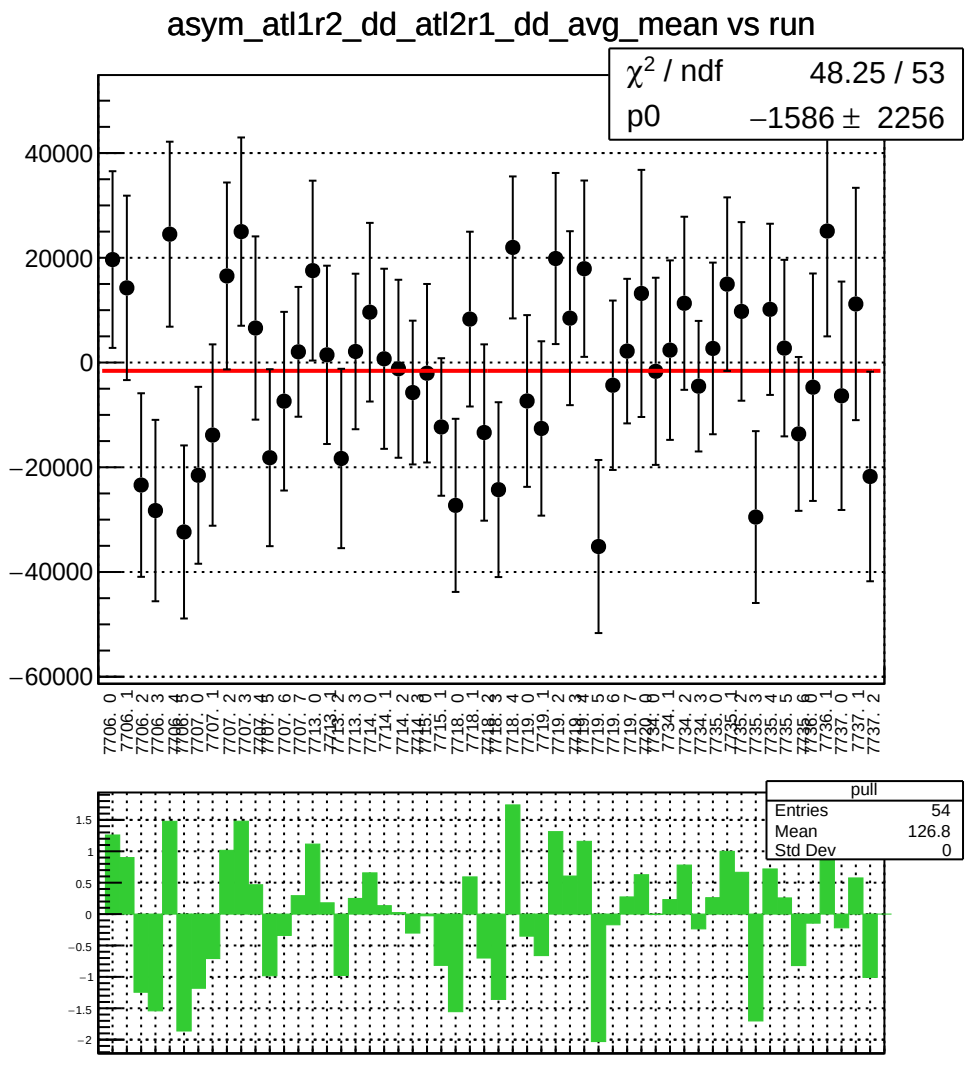

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 2.488e+04 / 53
p0 1031 ± 1.012
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

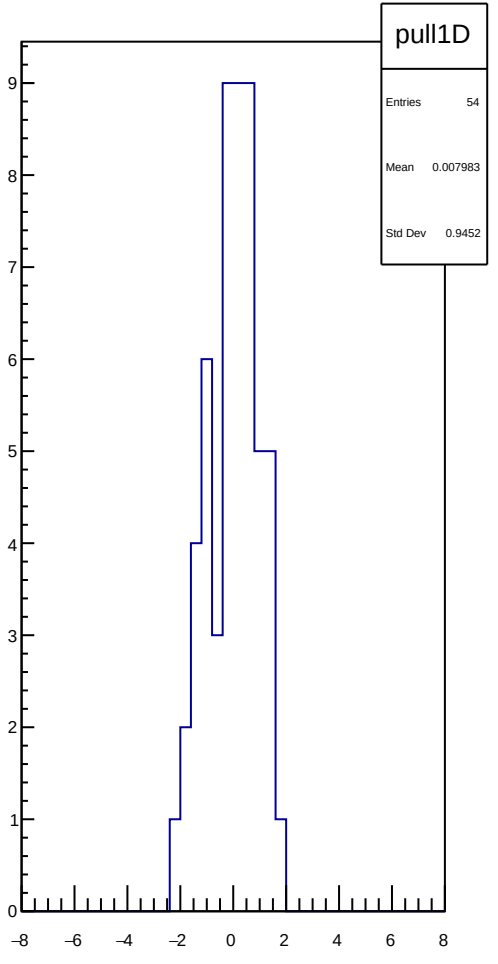

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.54 / 53
p0 −1363 ± 1722
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 383
Std Dev 0
pull1D
Entries 54
Mean −0.008794
Std Dev 1.014

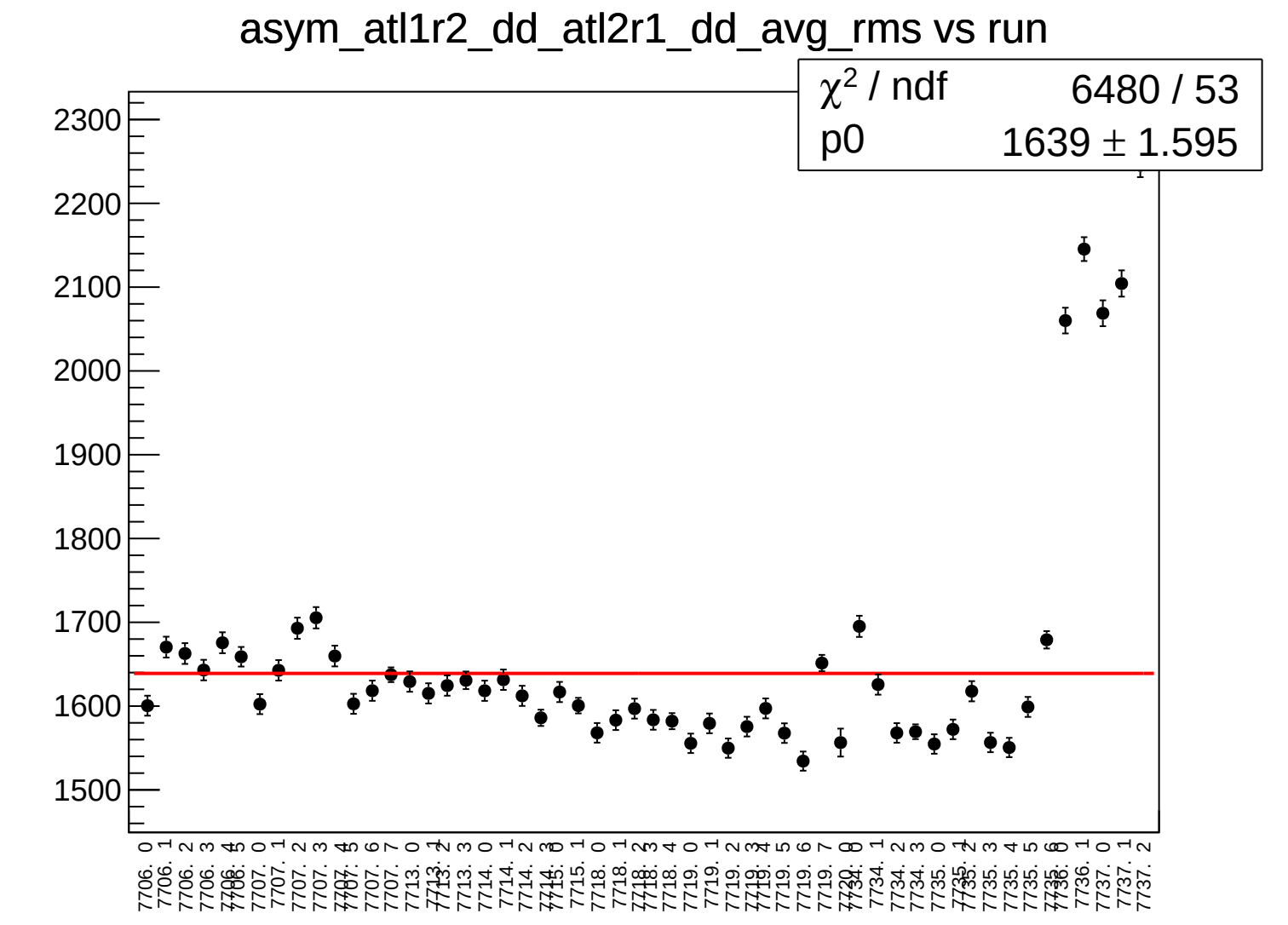

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 615.4 / 53
p0 1255 ± 1.218
1450
1400
1350
1300
1250
1200

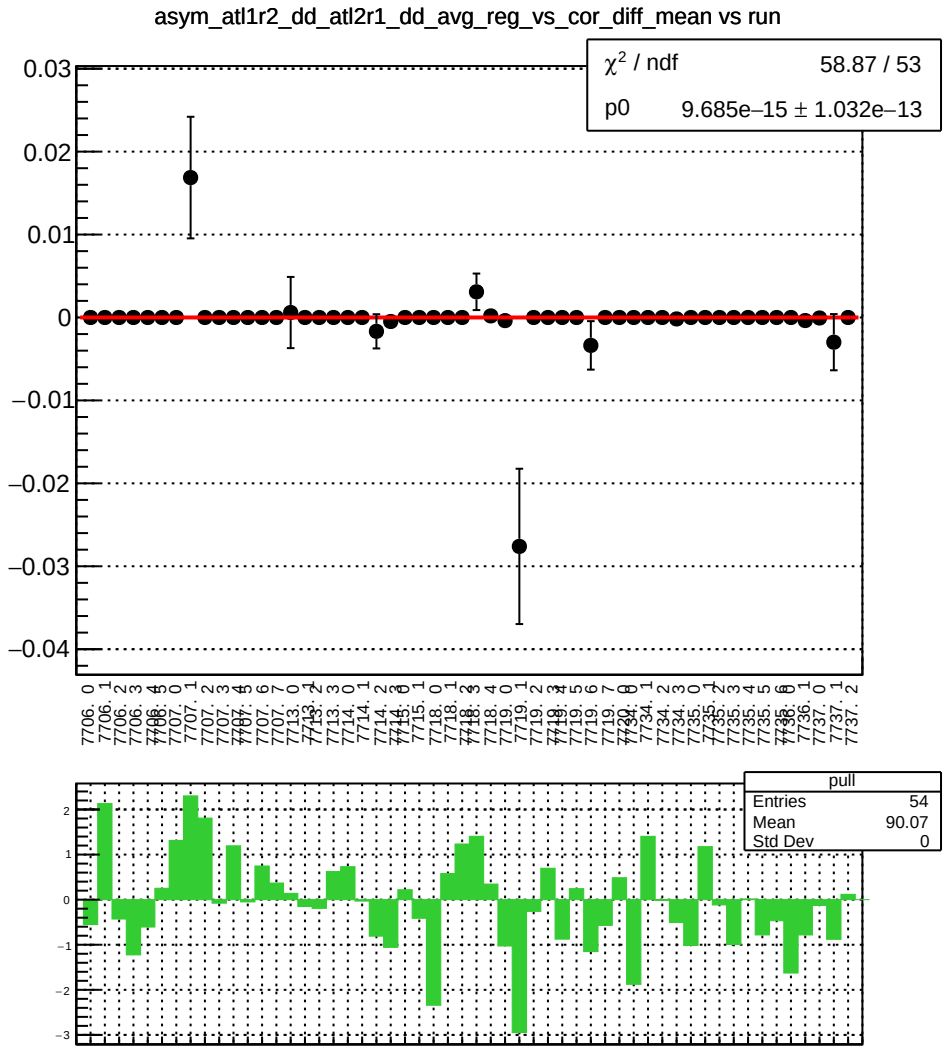

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.62 / 53
p0 −103.9 ± 1431
pull
Entries 54
Mean 616.6
Std Dev 0
pull1D
Entries 54
Mean −0.008167
Std Dev 0.9682

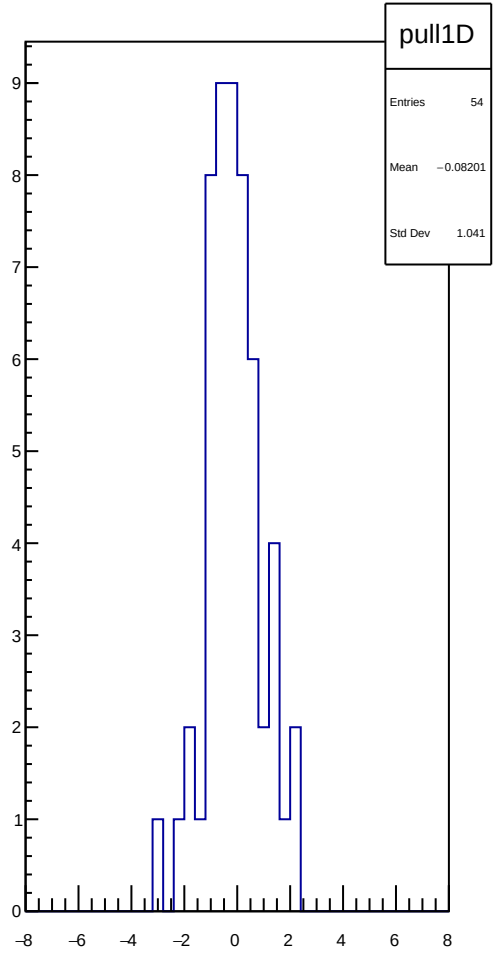

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.488e+04 / 53
p0 1031 ± 1.012
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

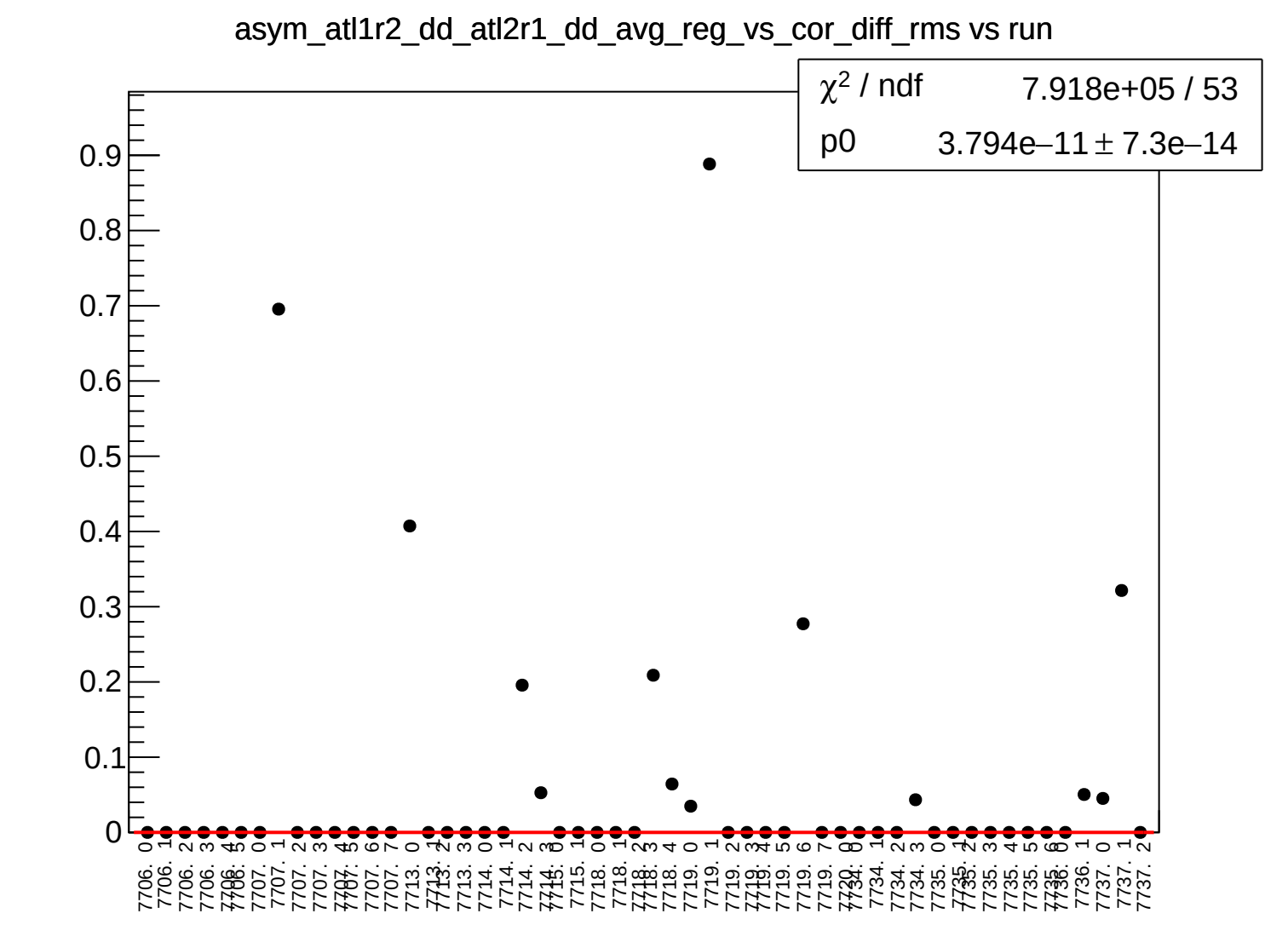

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 48.25 / 53
p0 −1586 ± 2256
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 126.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

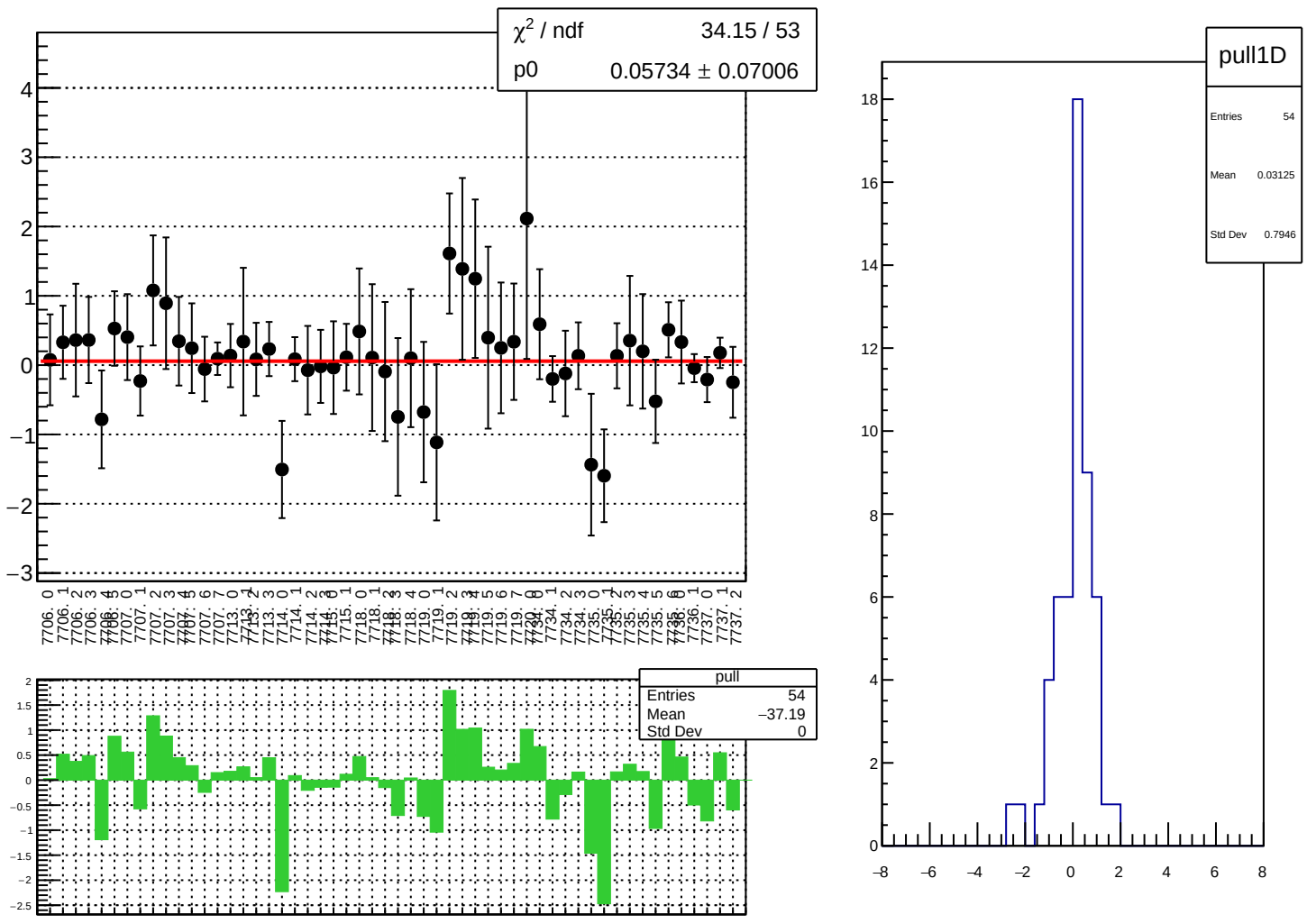

pull1D
Entries 54
Mean 0.007983
Std Dev 0.9452
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

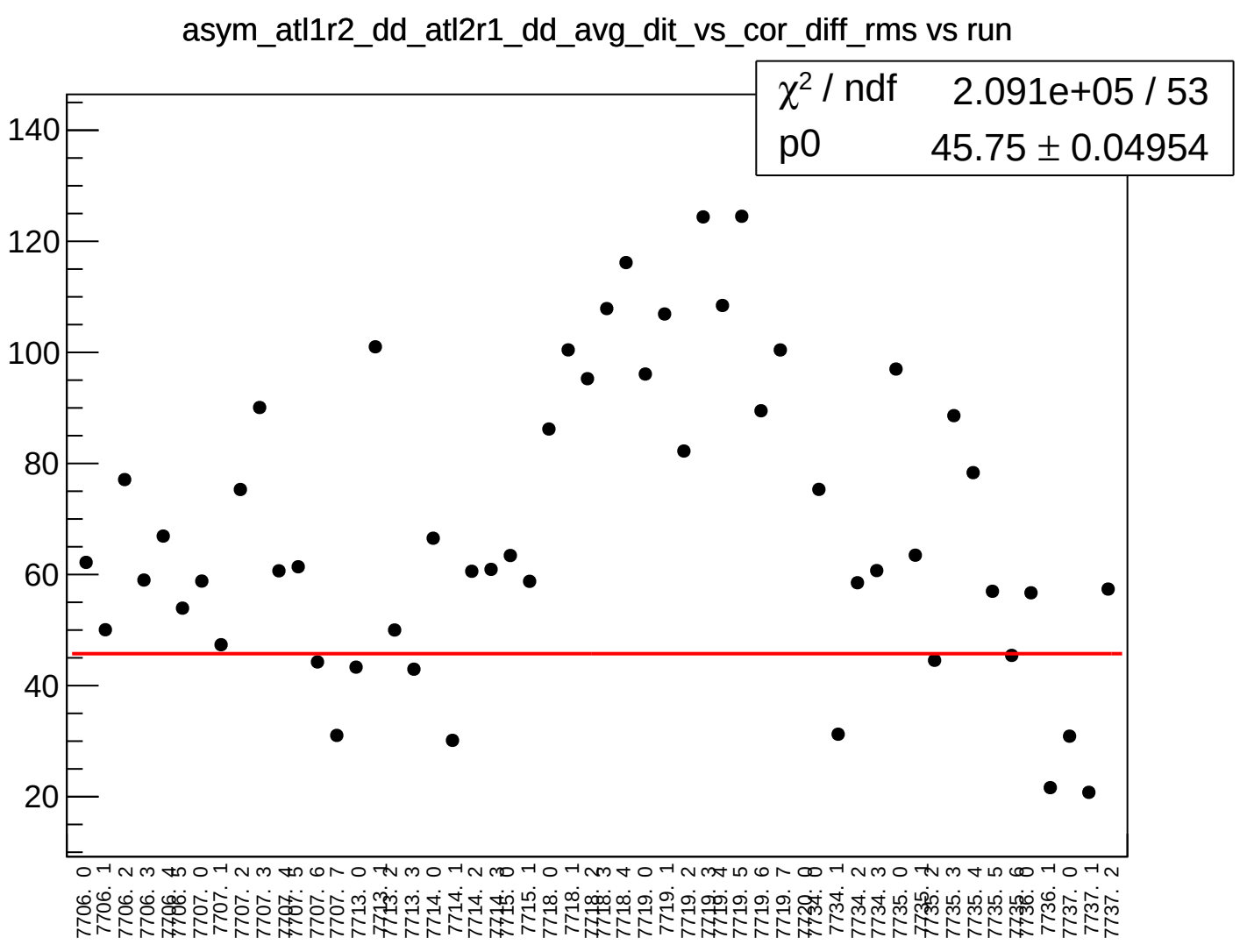

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 6480 / 53
p0 1639 ± 1.595
2300
2200
2100
2000
1900
1800
1700
1600
1500

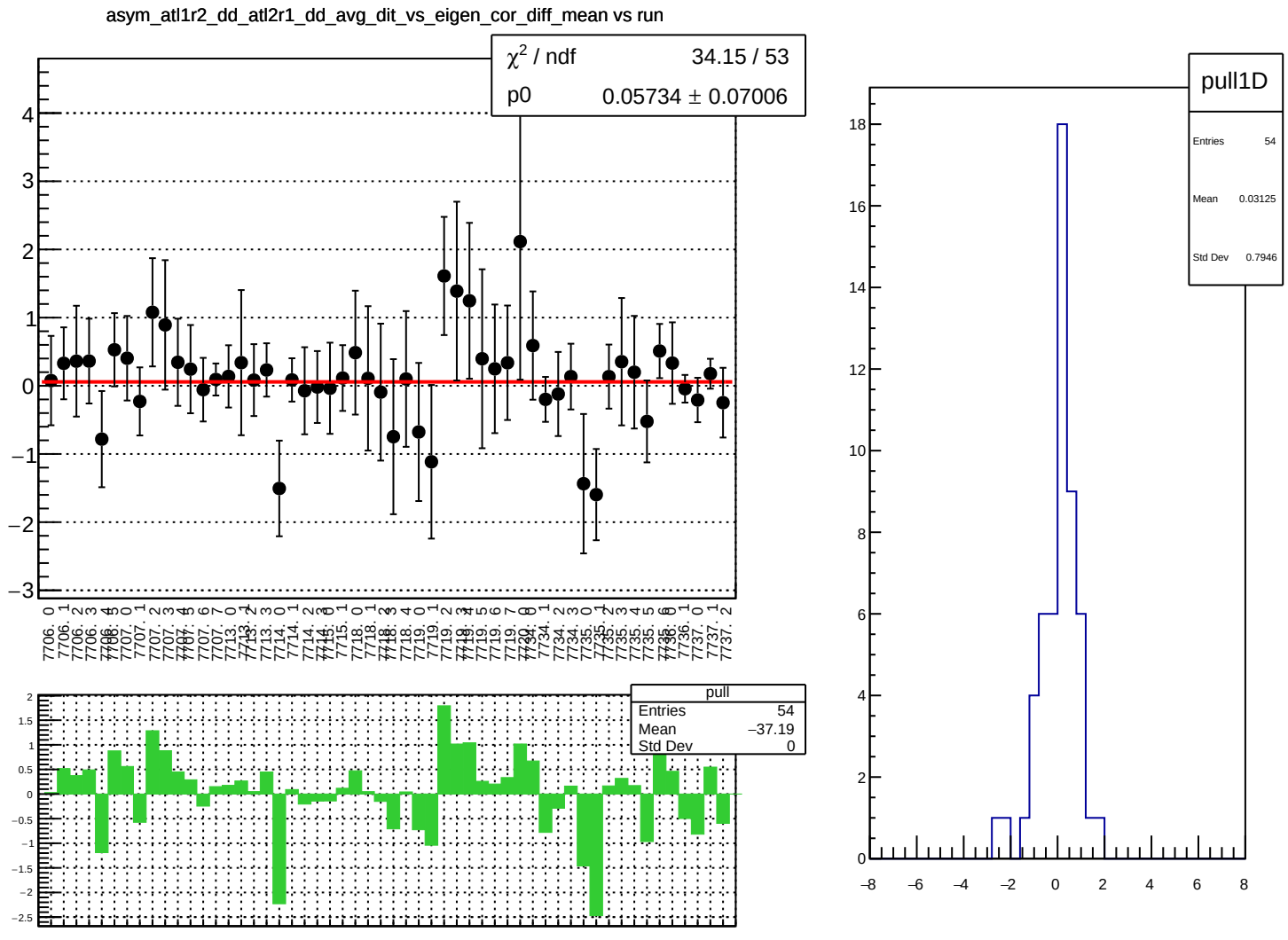

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.87 / 53
p0 9.685e−15 ± 1.032e−13
pull
Entries 54
Mean 90.07
Std Dev 0

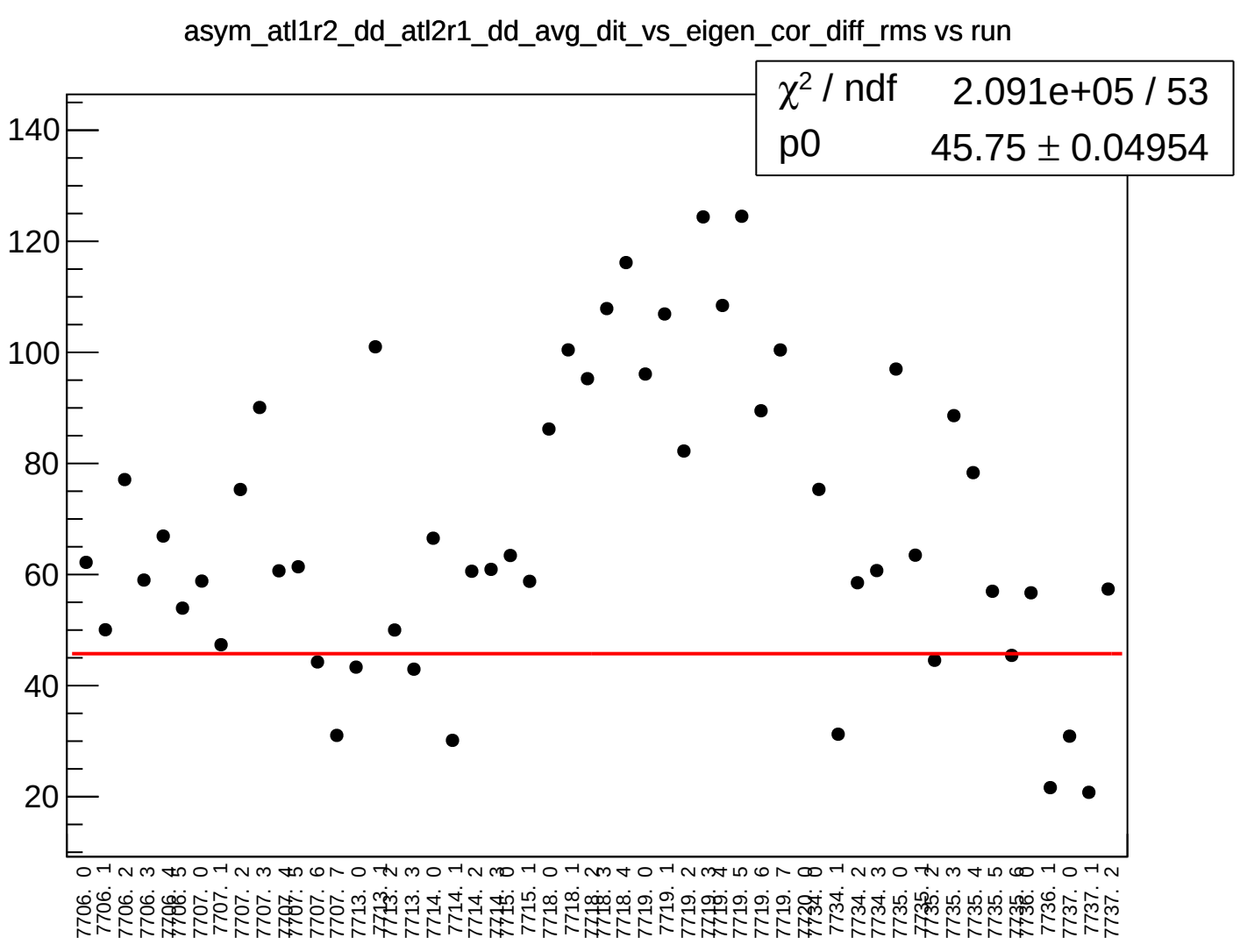

pull1D
Entries 54
Mean −0.08201
Std Dev 1.041

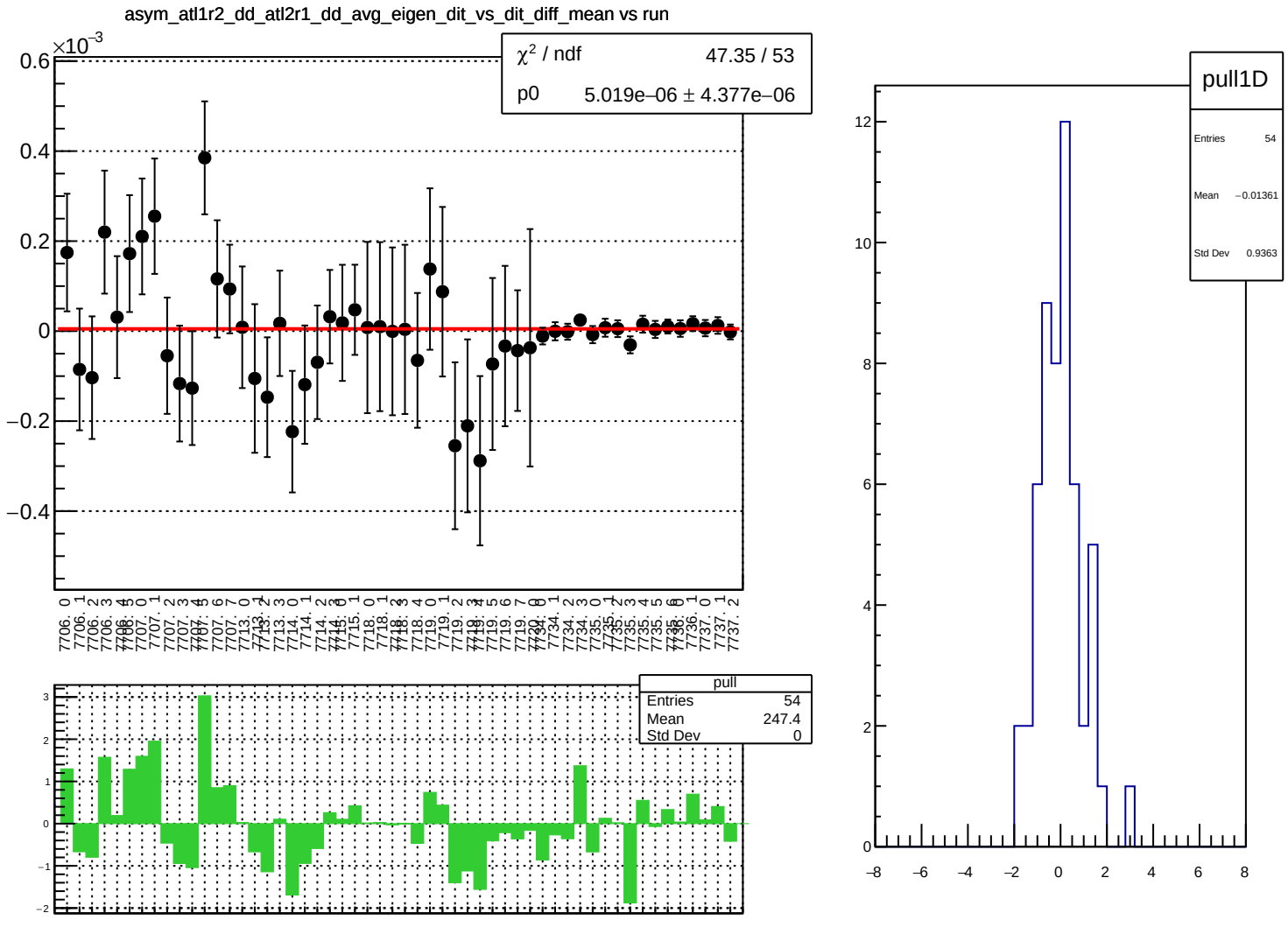

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.918e+05 / 53
p0 3.794e−11 ± 7.3e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

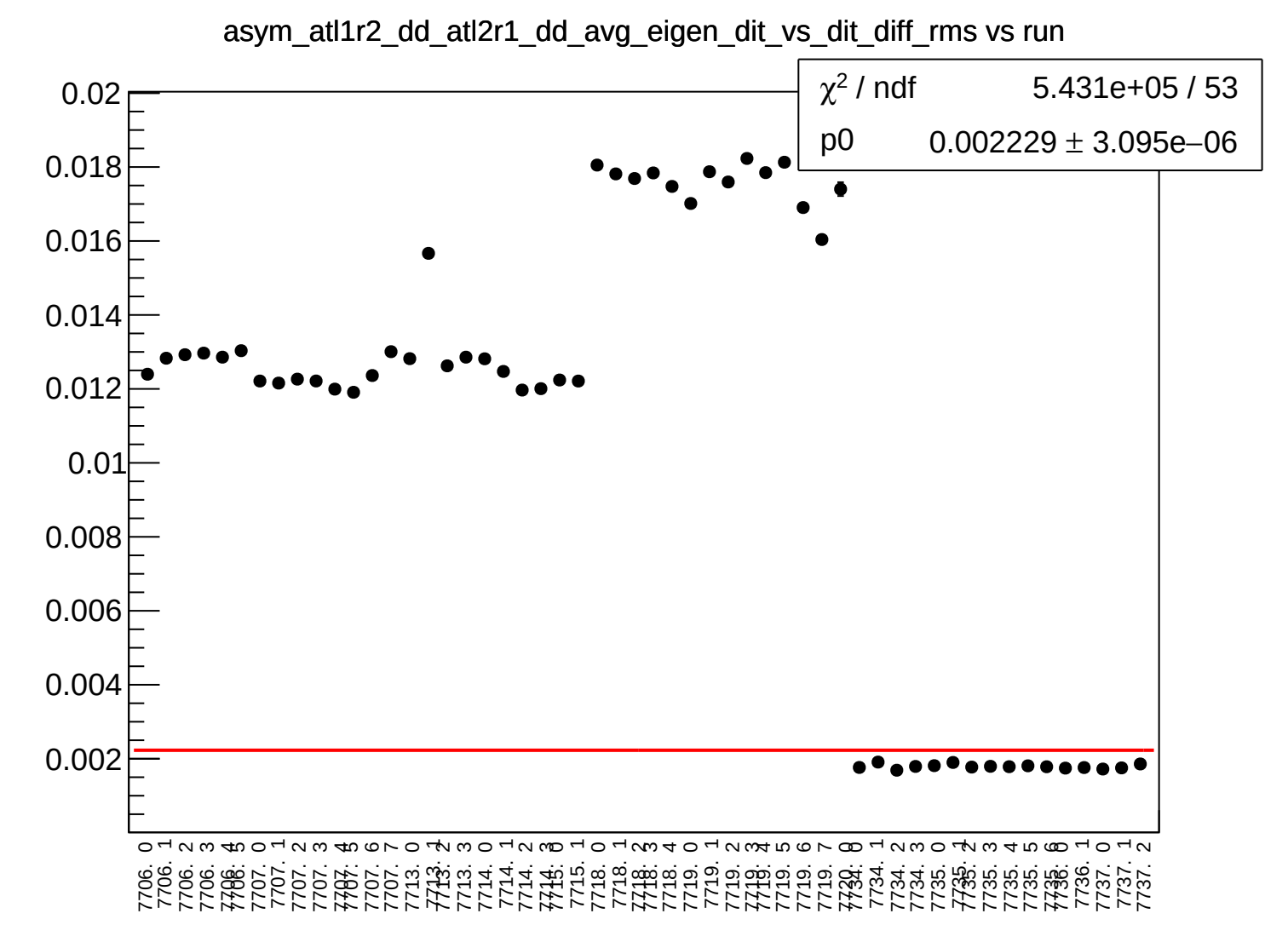

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05734 ± 0.07006
pull
Entries 54
Mean −37.19
Std Dev 0
pull1D
Entries 54
Mean 0.03125
Std Dev 0.7946

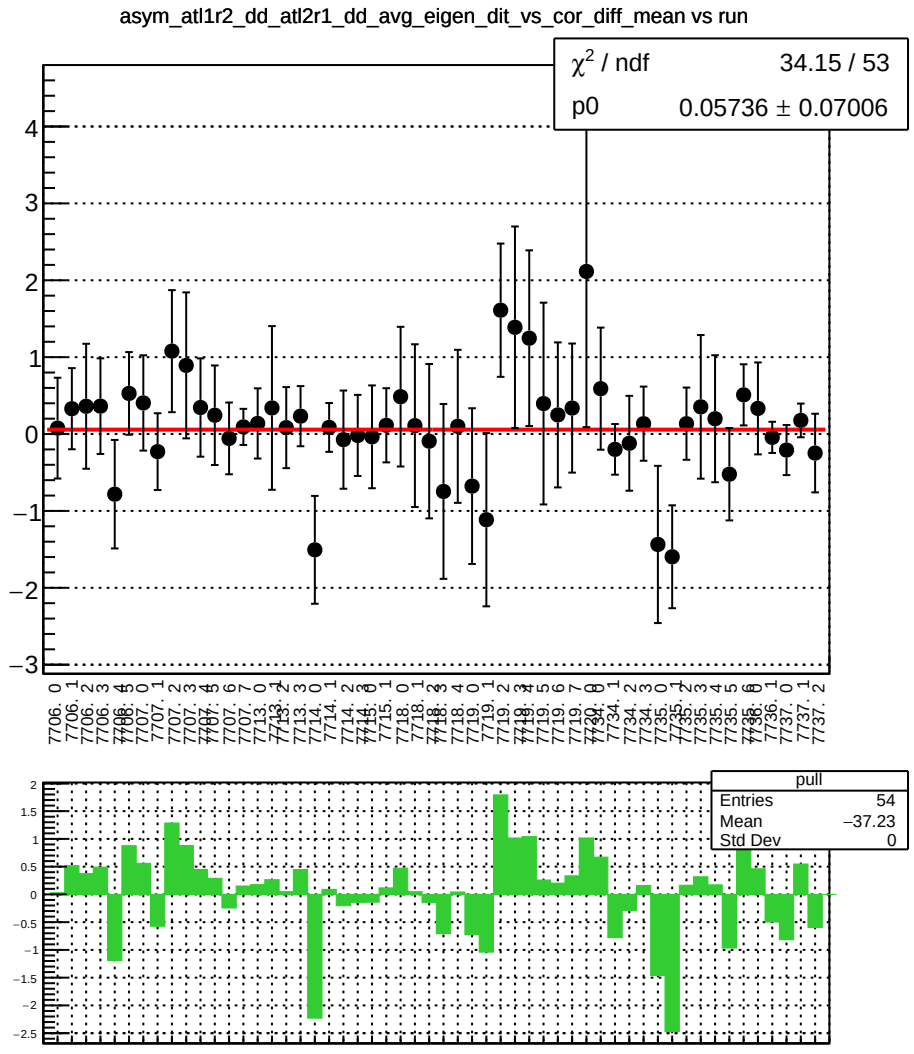

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20

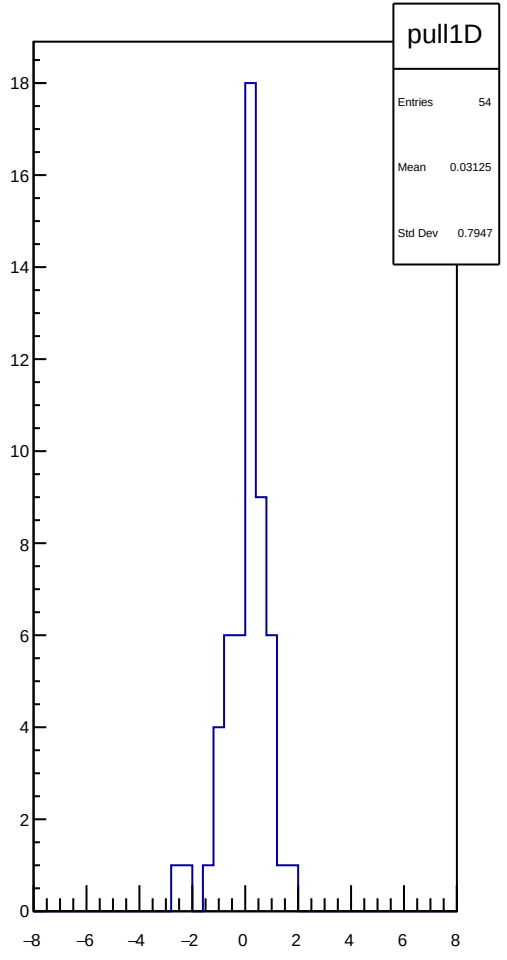

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05734 ± 0.07006
pull
Entries 54
Mean −37.19
Std Dev 0
pull1D
Entries 54
Mean 0.03125
Std Dev 0.7946

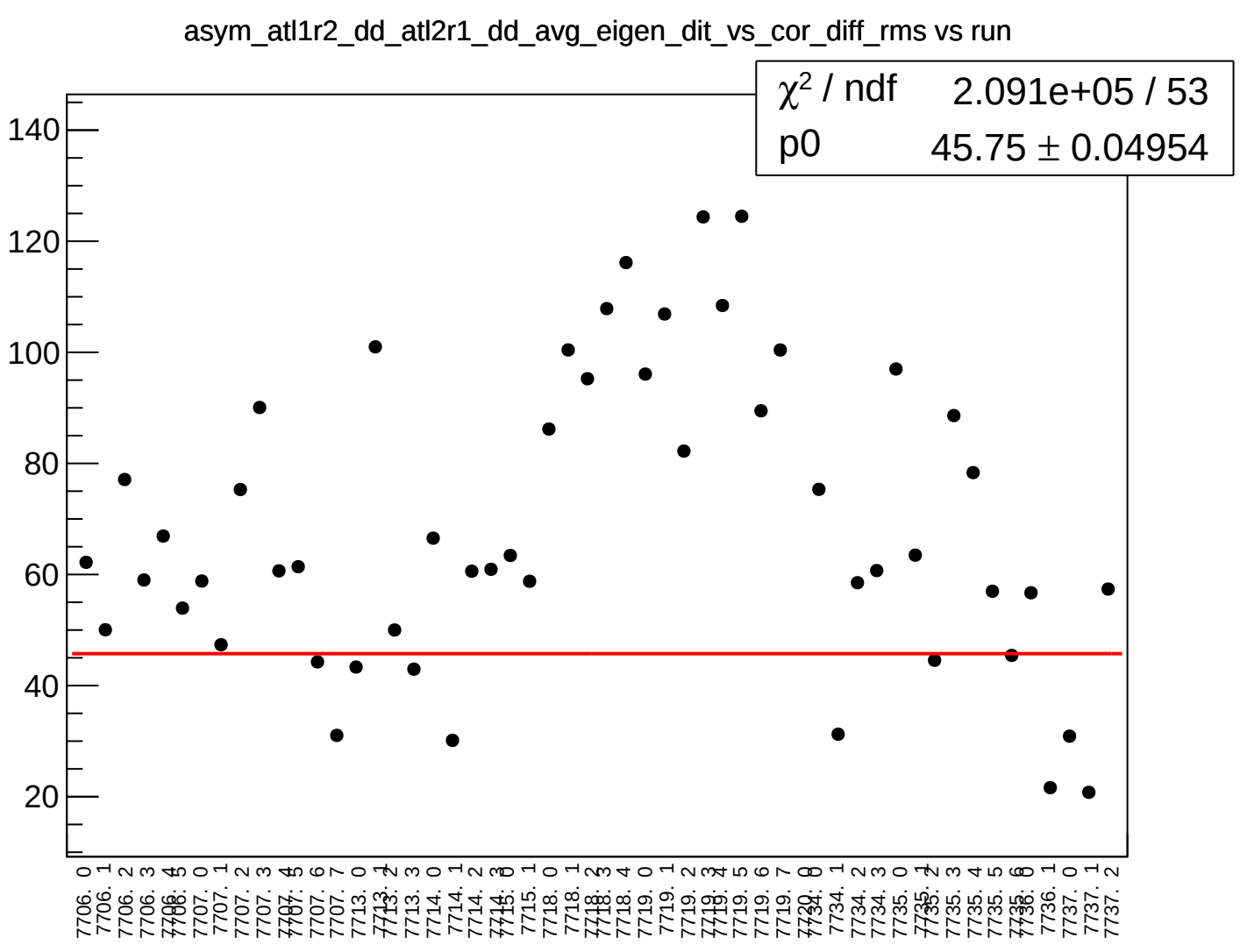

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

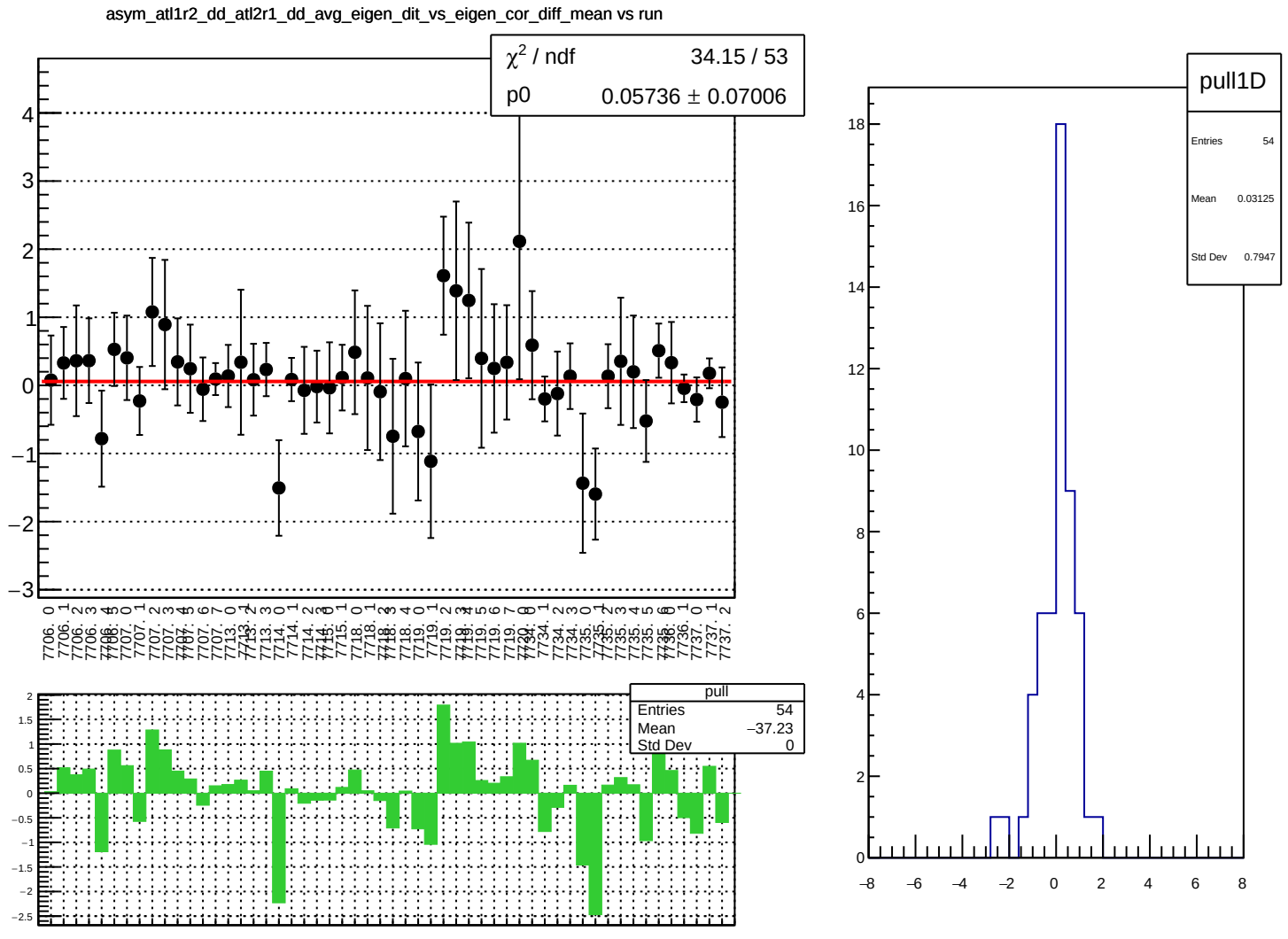

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.35 / 53
p0 5.019e−06 ± 4.377e−06
pull
Entries 54
Mean 247.4
Std Dev 0
pull1D
Entries 54
Mean −0.01361
Std Dev 0.9363

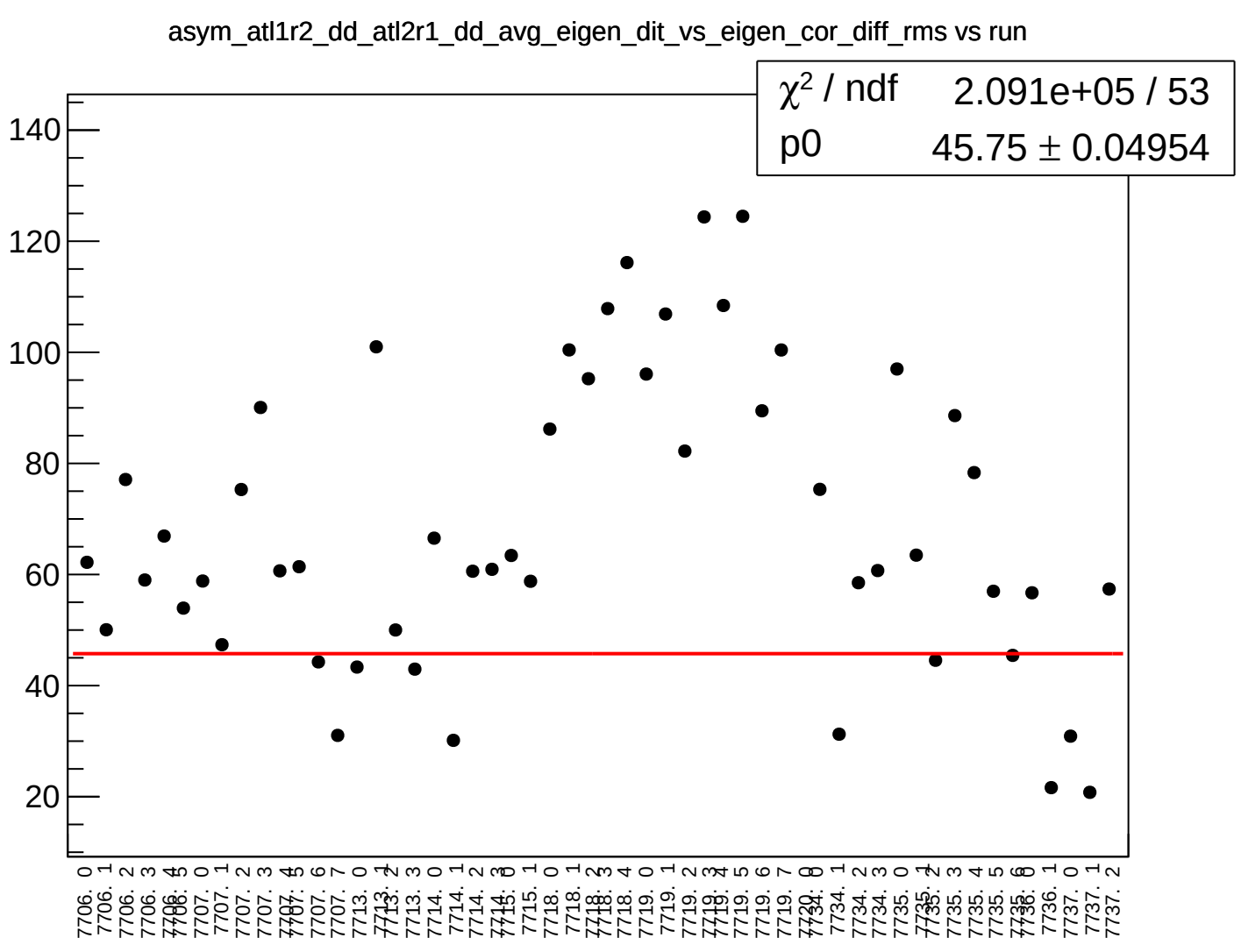

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.431e+05 / 53
p0 0.002229 ± 3.095e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

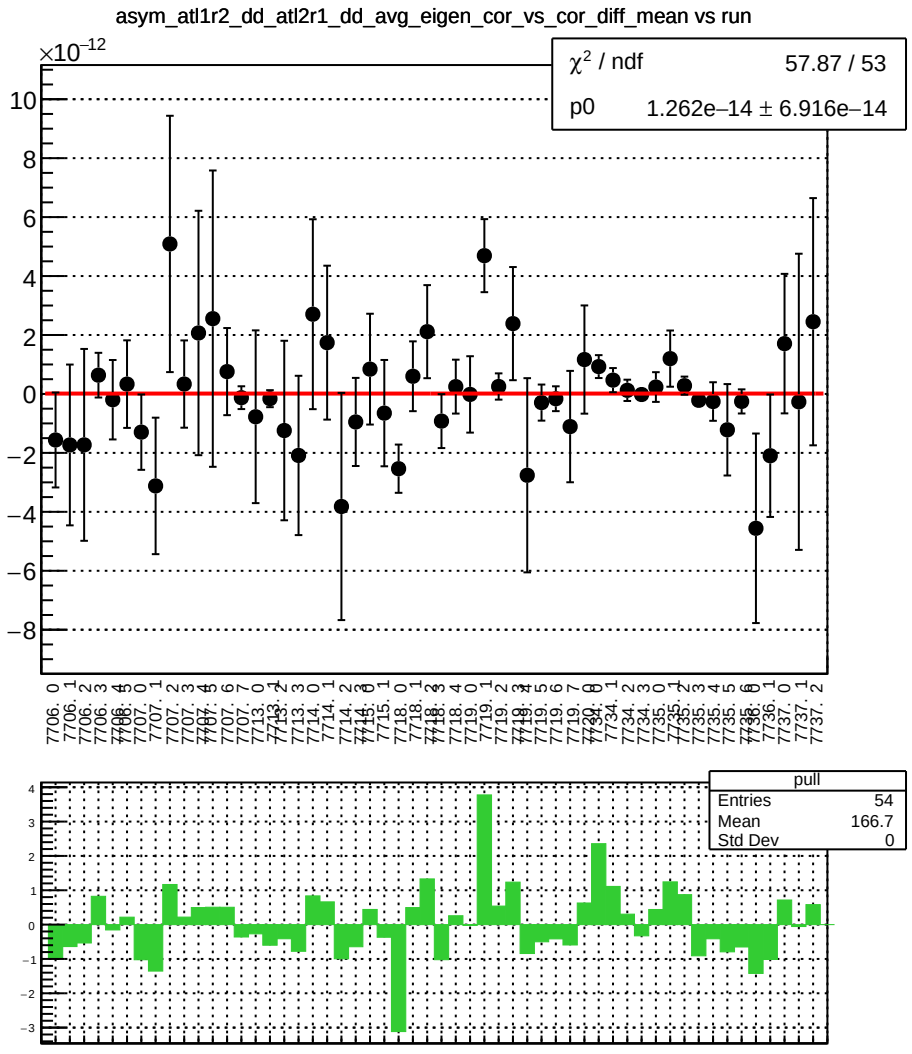

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05736 ± 0.07006
pull
Entries 54
Mean −37.23
Std Dev 0

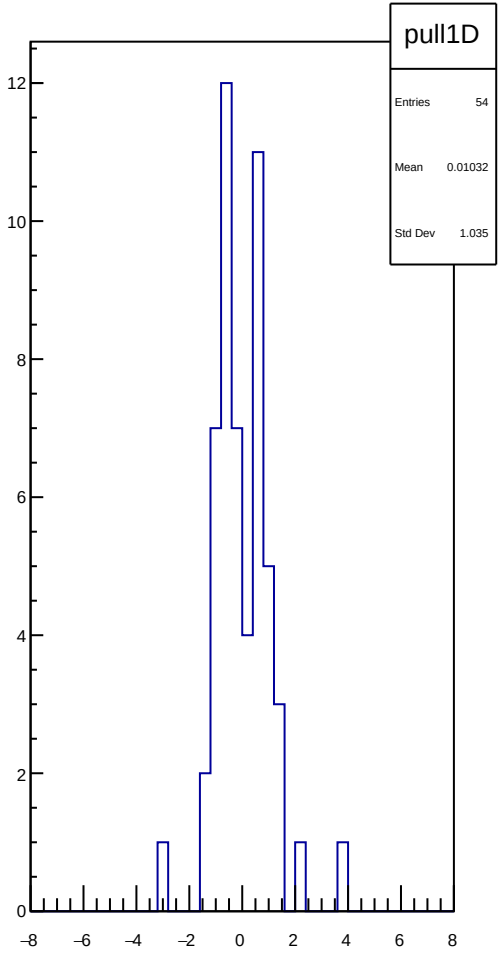

pull1D
Entries 54
Mean 0.03125
Std Dev 0.7947

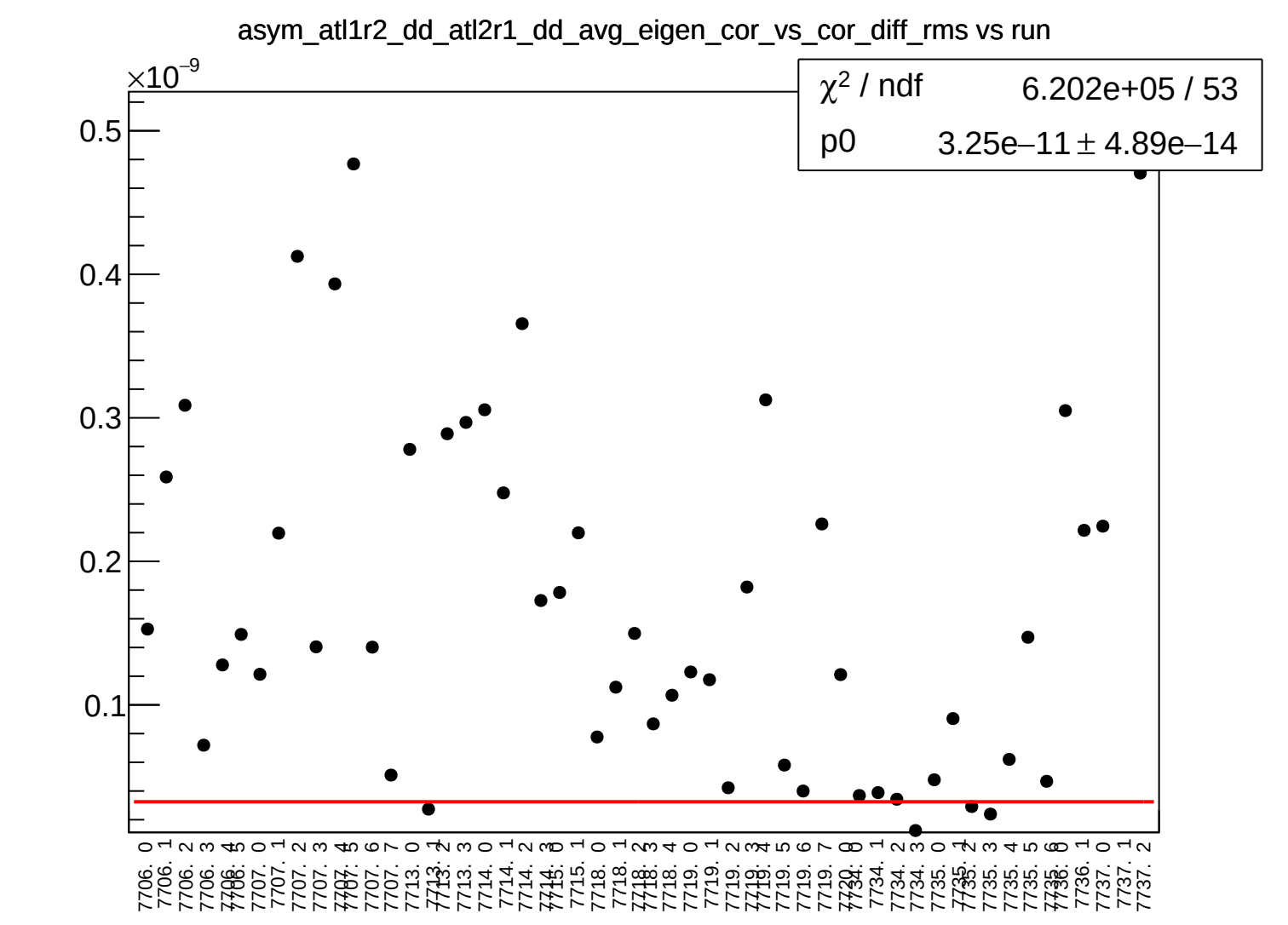

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20

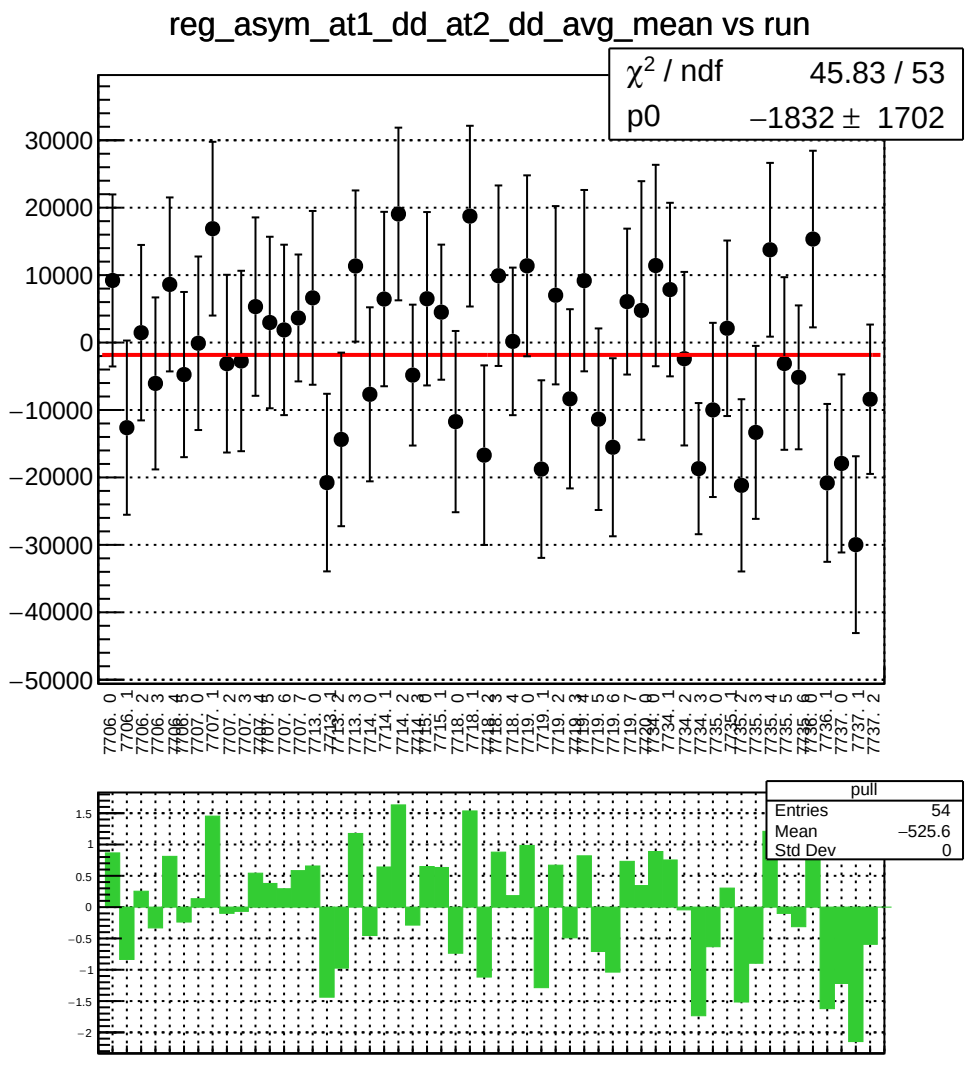

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.15 / 53
p0 0.05736 ± 0.07006
pull
Entries 54
Mean −37.23
Std Dev 0
pull1D
Entries 54
Mean 0.03125
Std Dev 0.7947

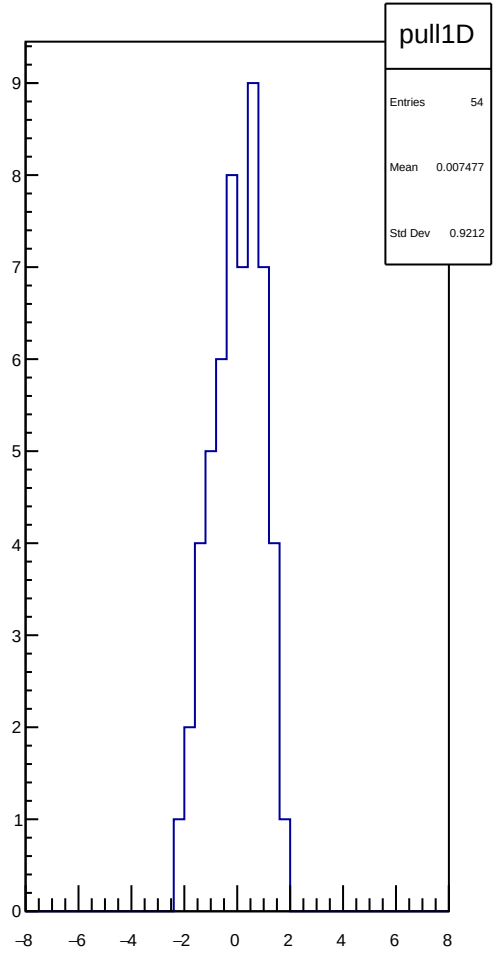

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 53
p0 45.75 ± 0.04954
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

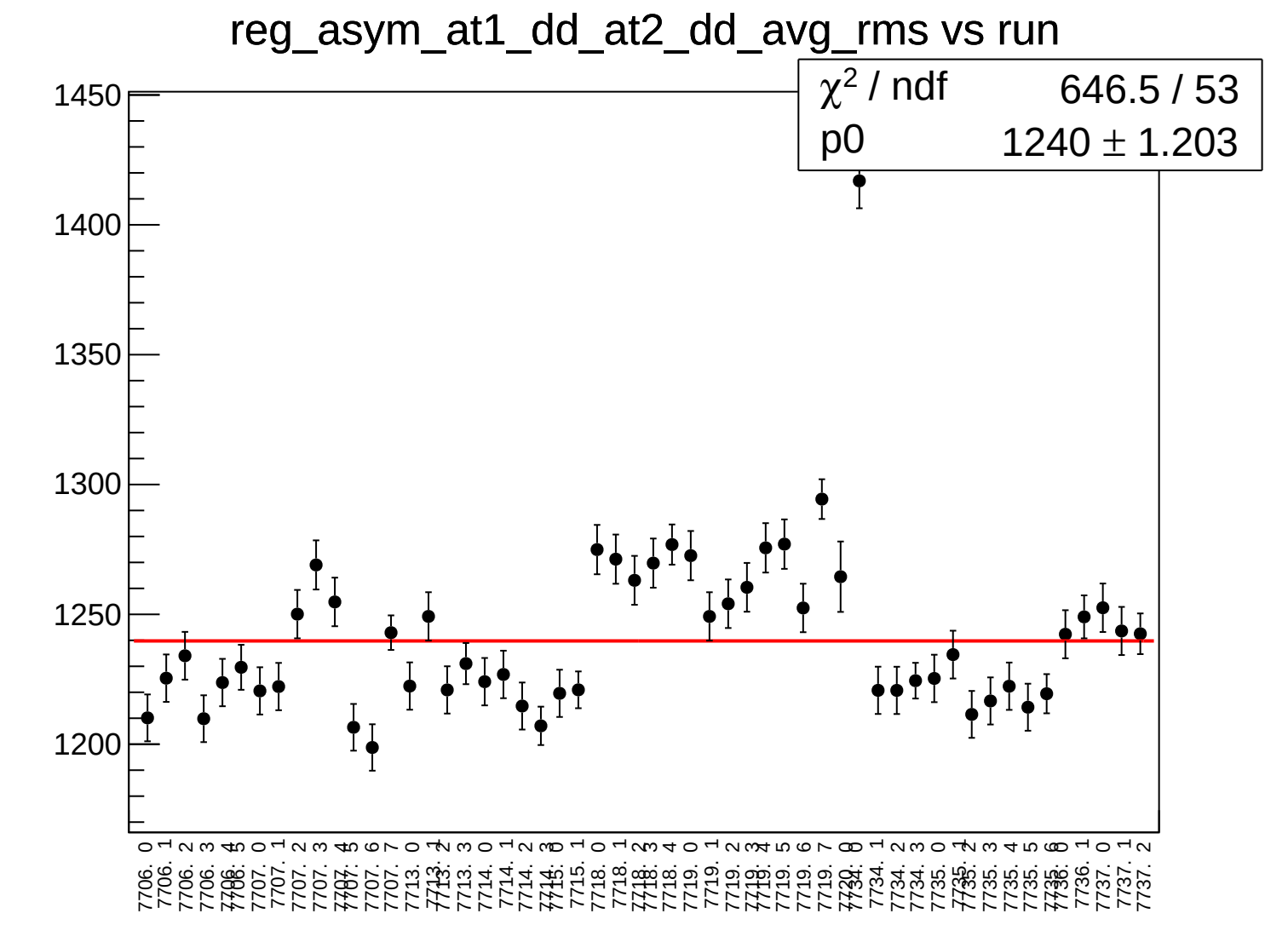

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.87 / 53
p0 1.262e−14 ± 6.916e−14
pull
Entries 54
Mean 166.7
Std Dev 0

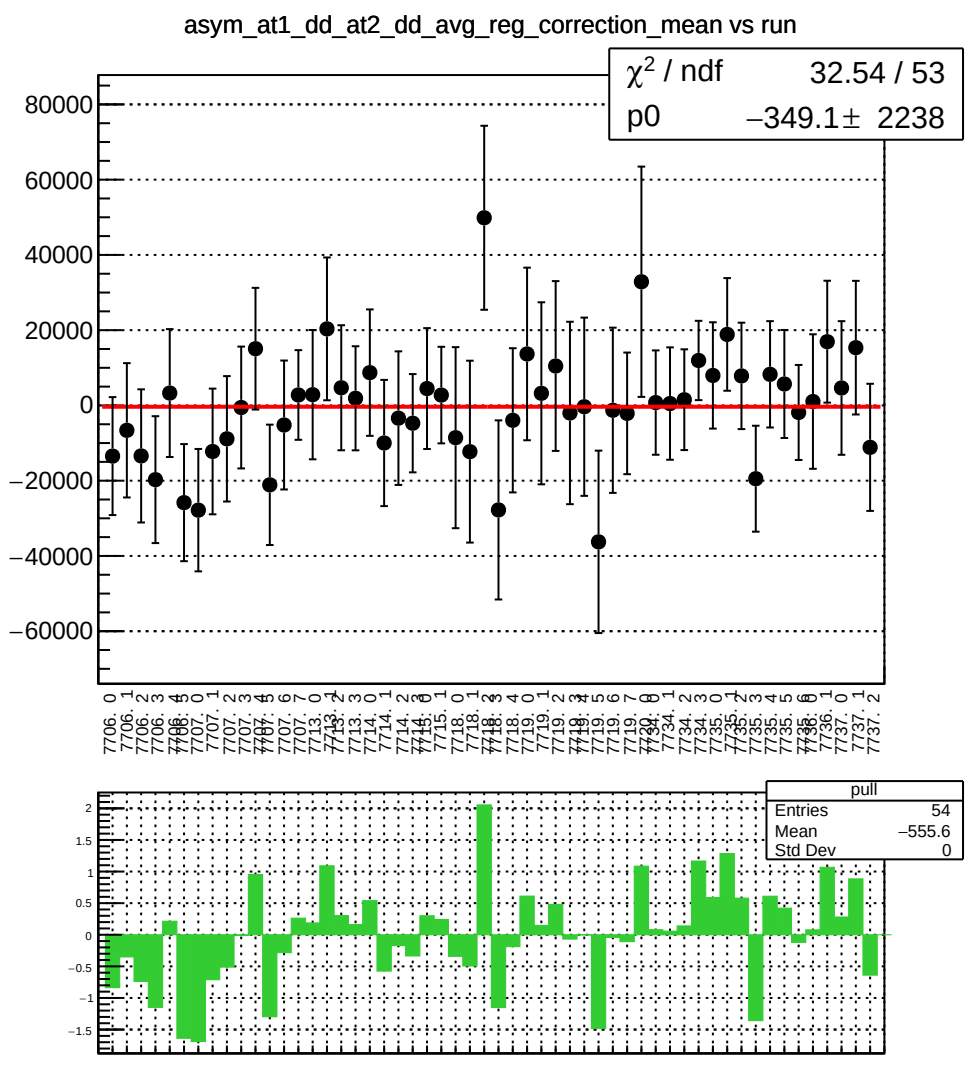

pull1D
Entries 54
Mean 0.01032
Std Dev 1.035

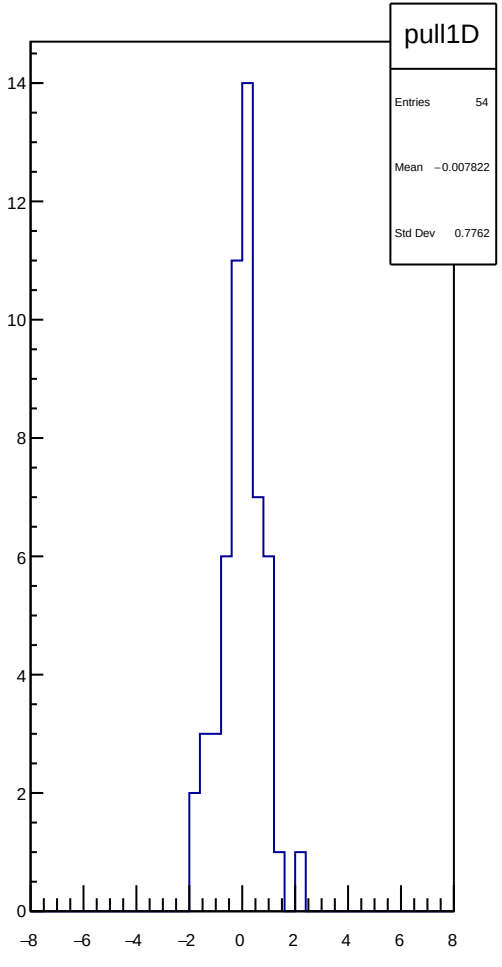

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.202e+05 / 53
p0 3.25e−11 ± 4.89e−14
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

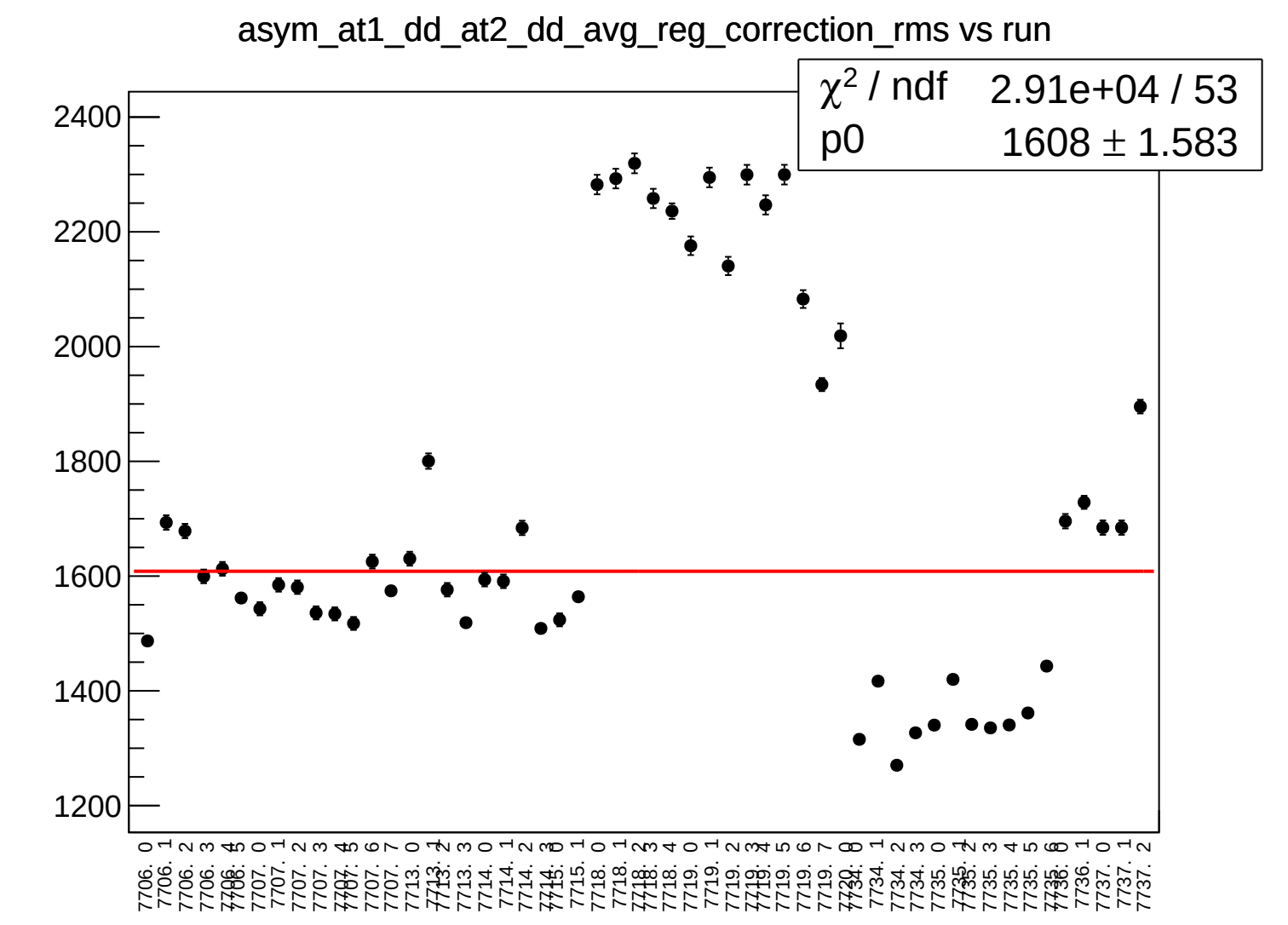

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.6
Std Dev 0

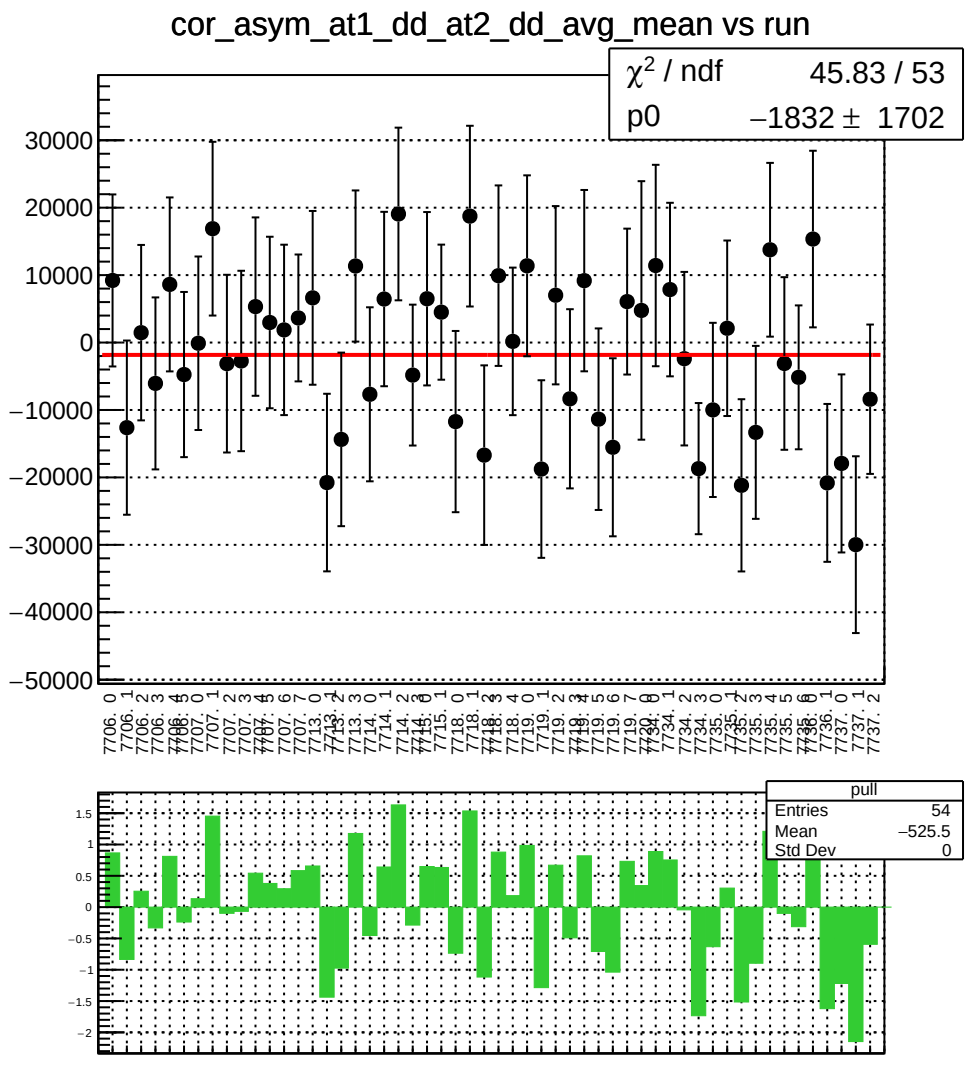

pull1D
Entries 54
Mean 0.007477
Std Dev 0.9212

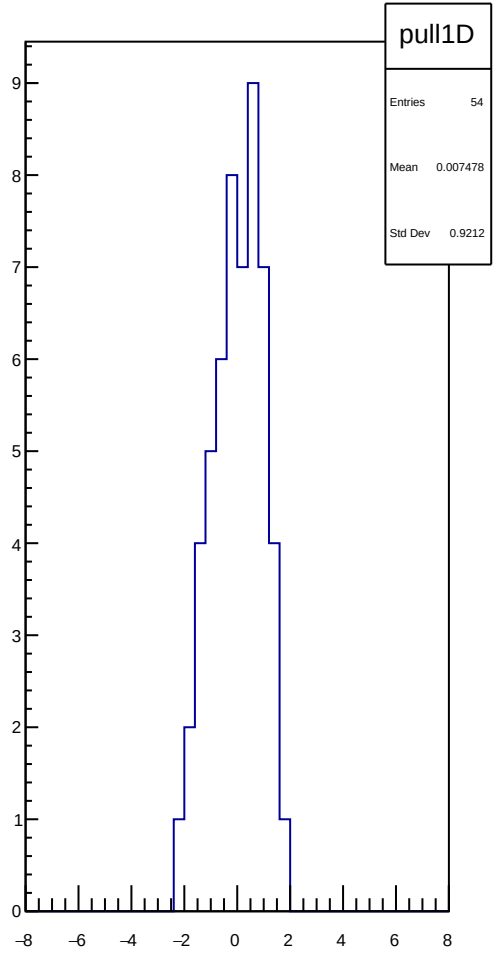

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

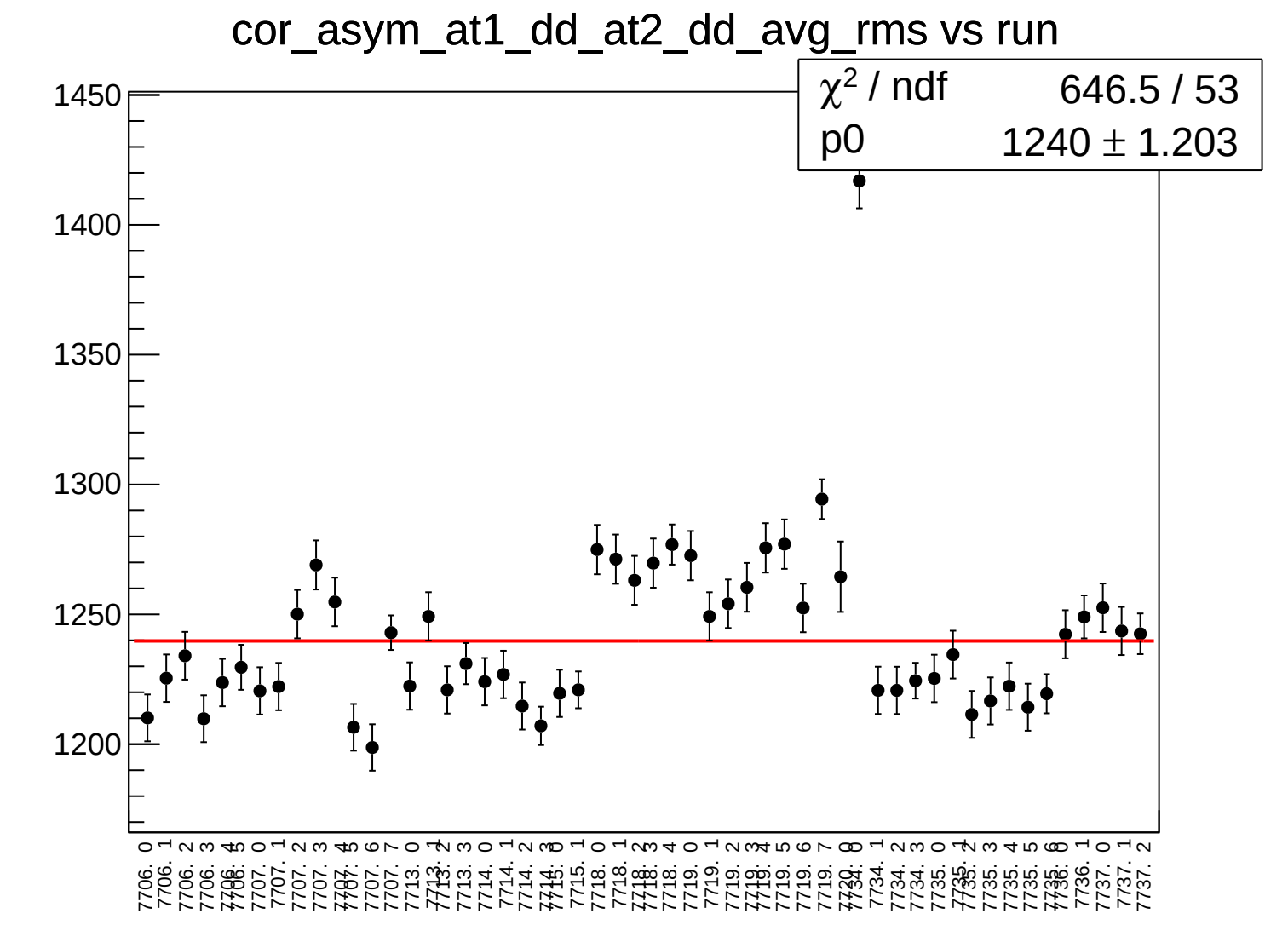

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.1± 2238
pull
Entries 54
Mean −555.6
Std Dev 0

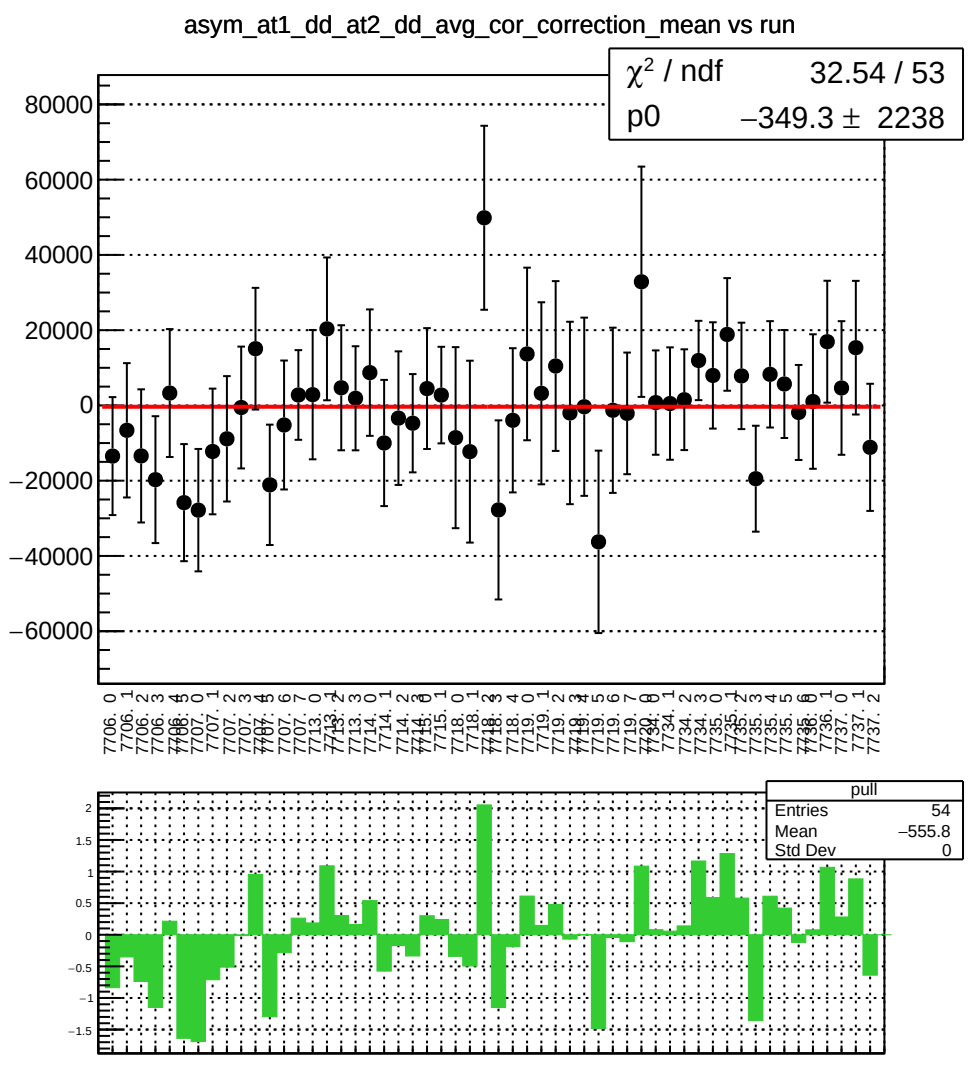

pull1D
Entries 54
Mean −0.007822
Std Dev 0.7762

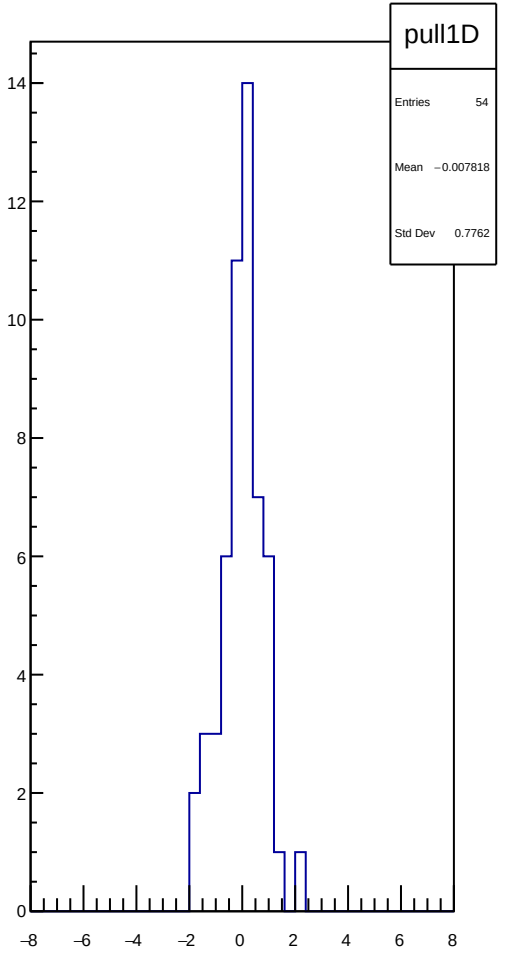

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

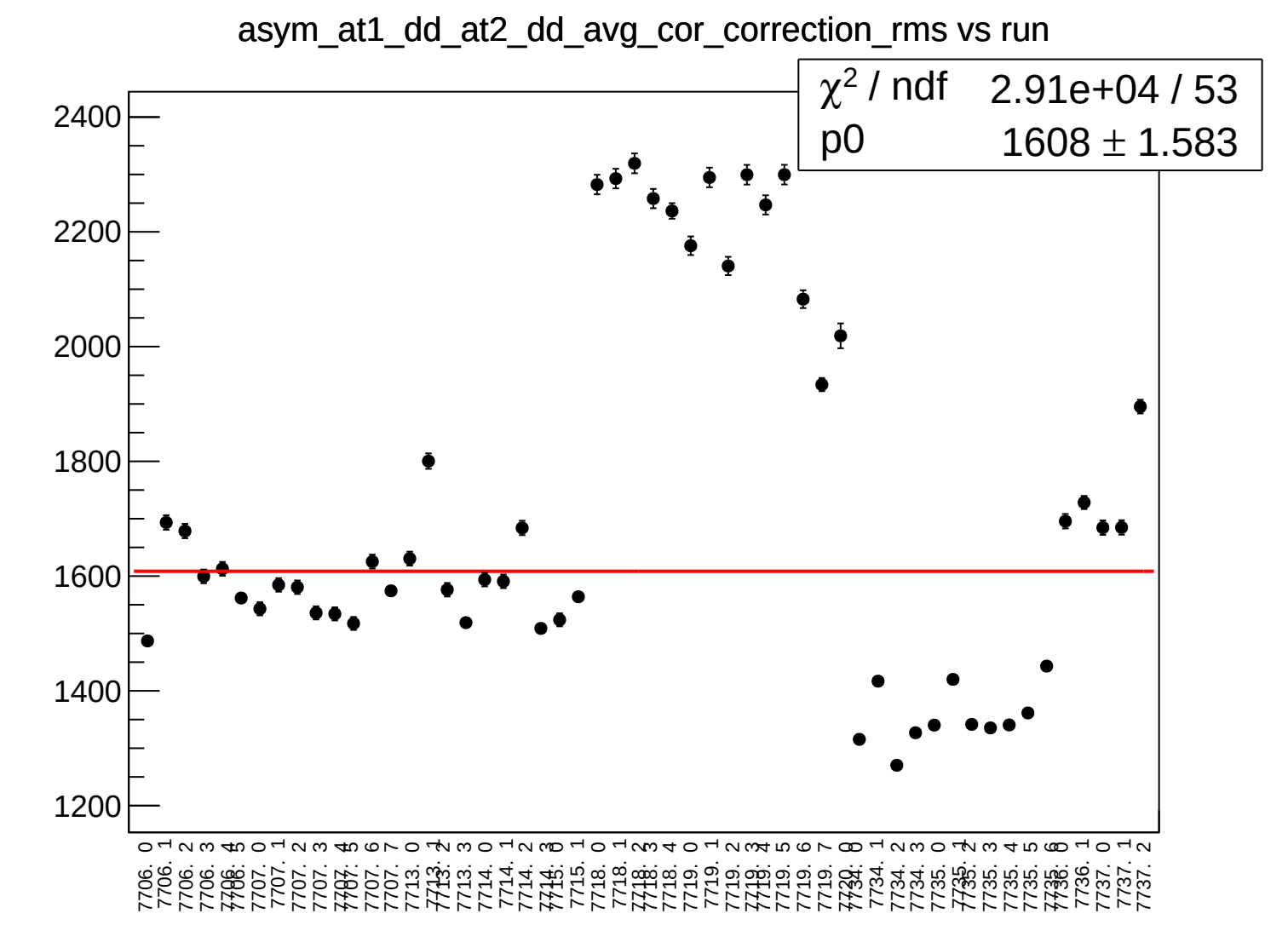

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.5
Std Dev 0

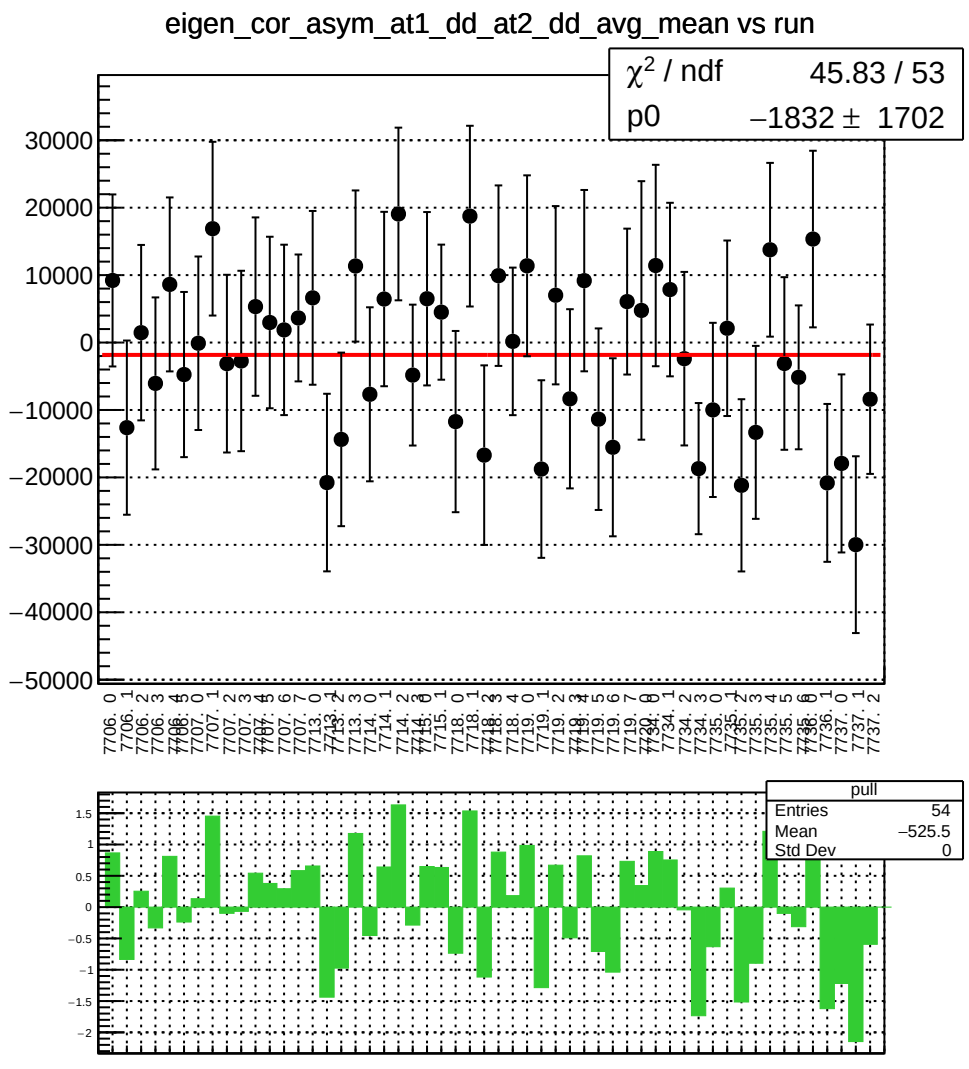

pull1D
Entries 54
Mean 0.007478
Std Dev 0.9212

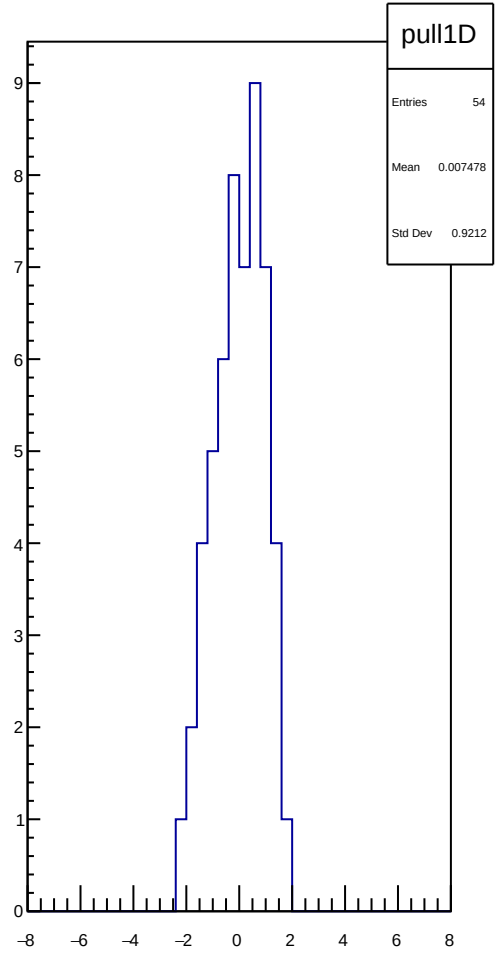

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

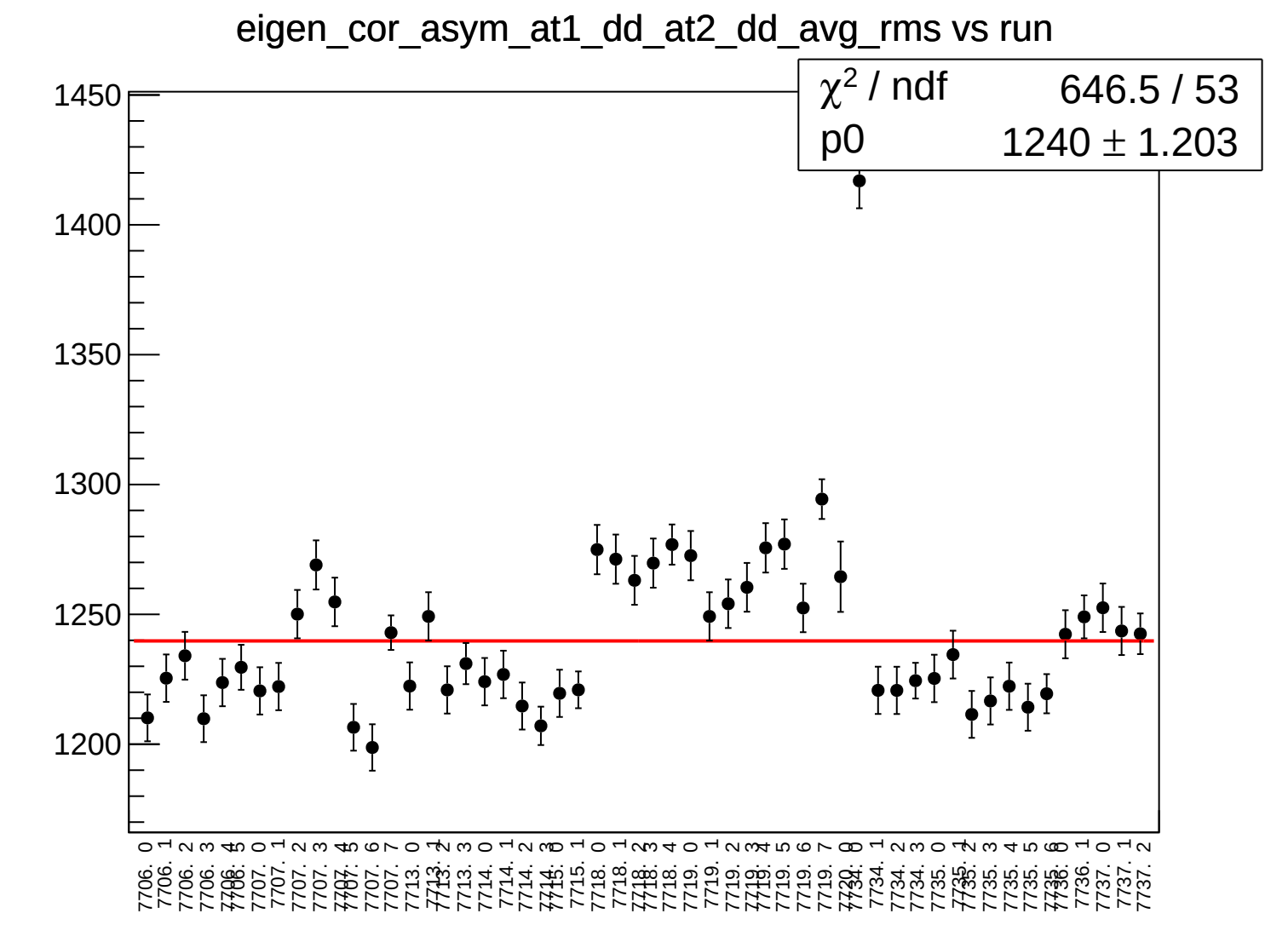

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.3 ± 2238
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −555.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

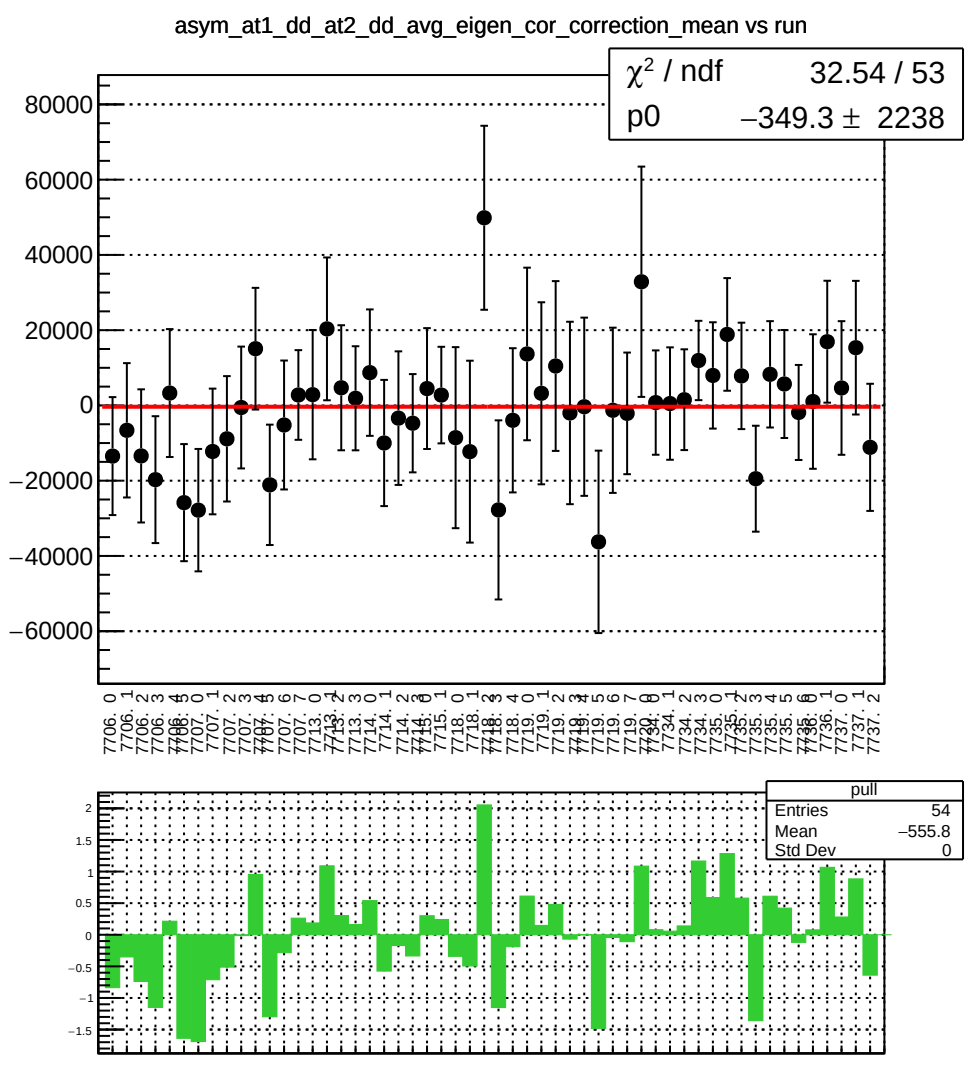

pull1D
Entries 54
Mean −0.007818
Std Dev 0.7762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

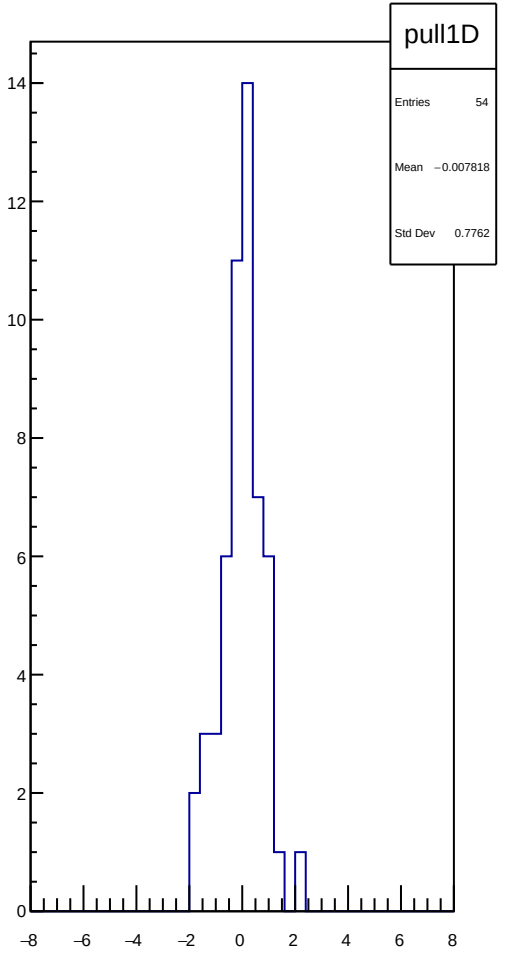

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

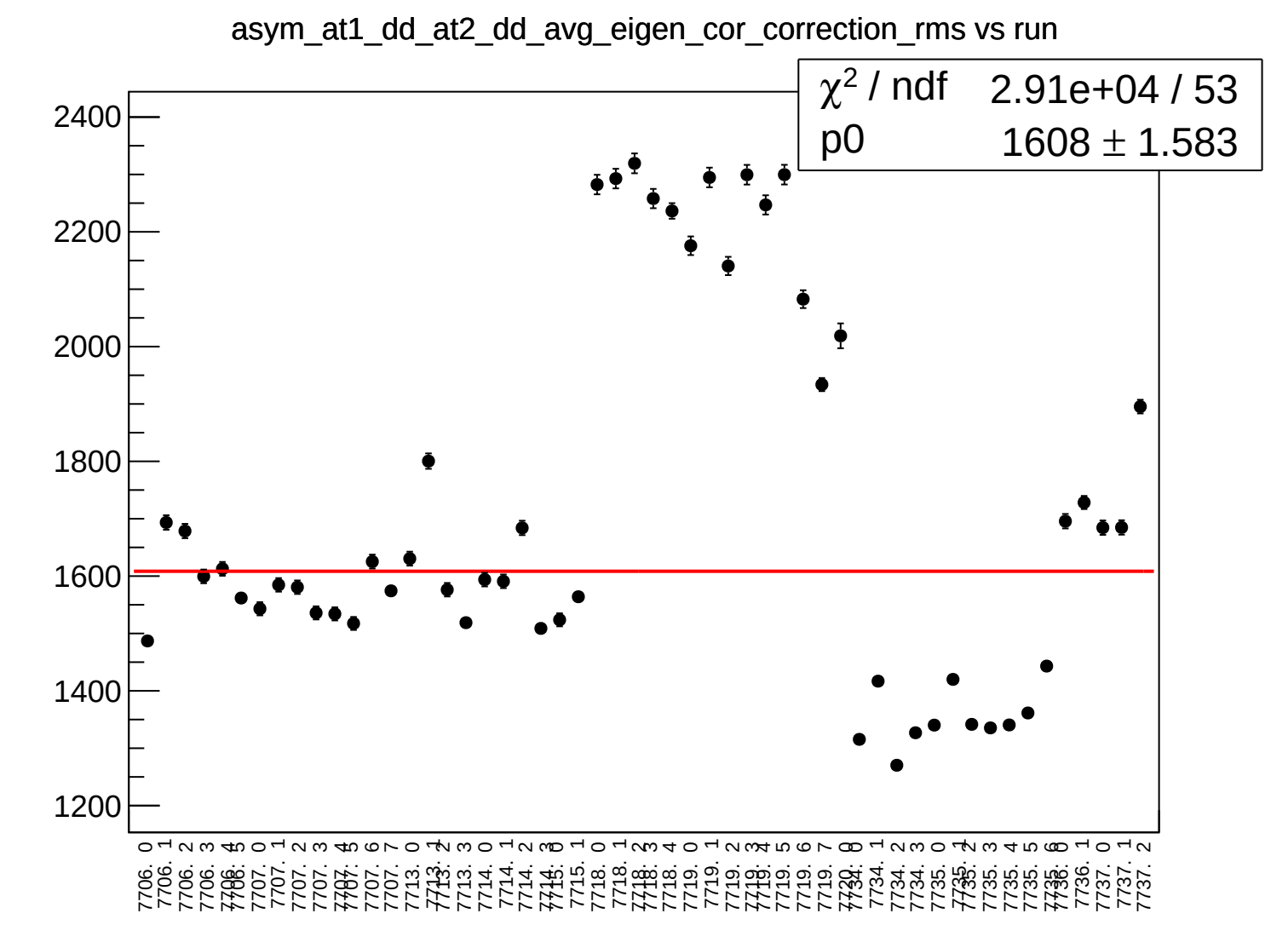

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 45.83 / 53
p0 −1832 ± 1702
pull
Entries 54
Mean −525.5
Std Dev 0

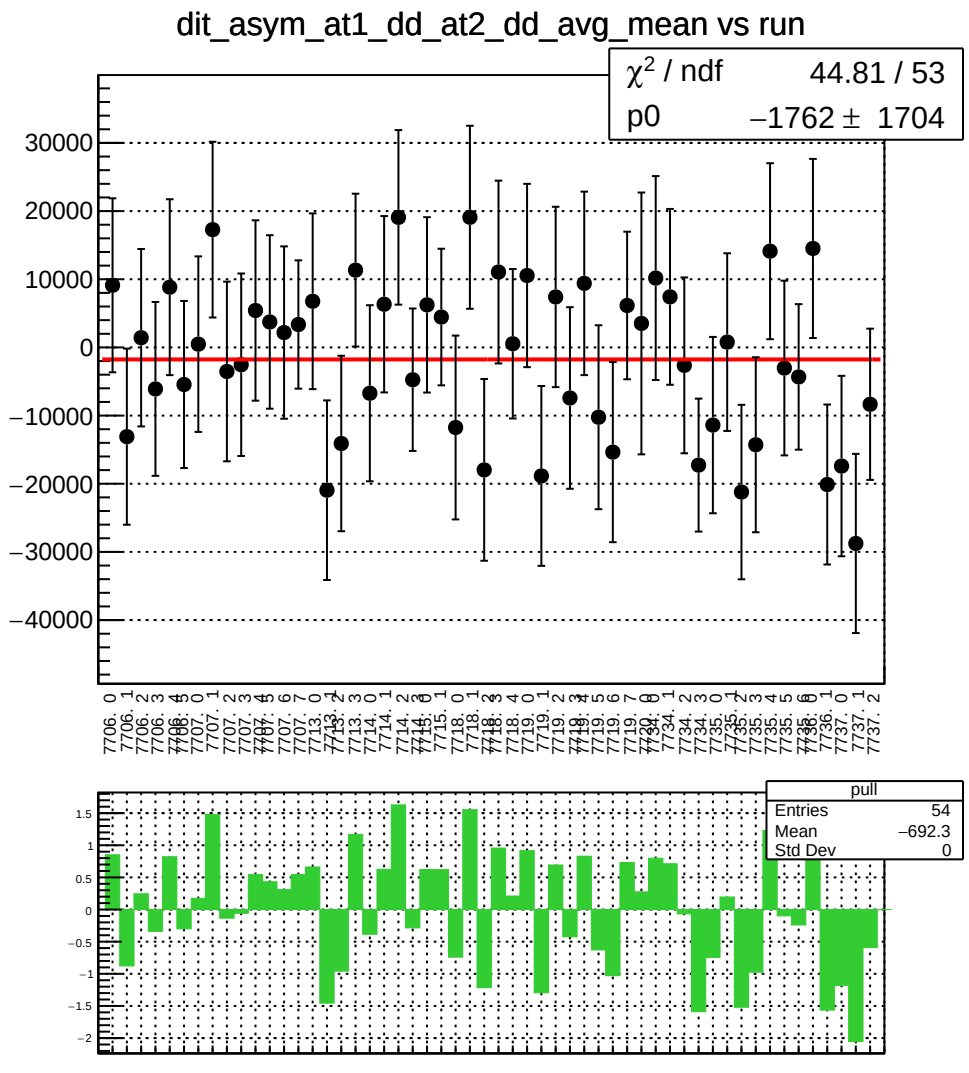

pull1D
Entries 54
Mean 0.007478
Std Dev 0.9212

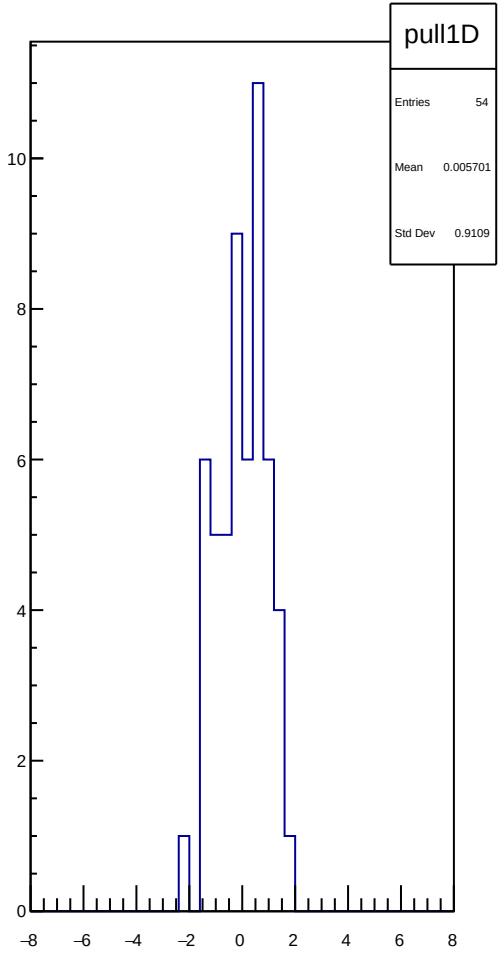

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 646.5 / 53
p0 1240 ± 1.203
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

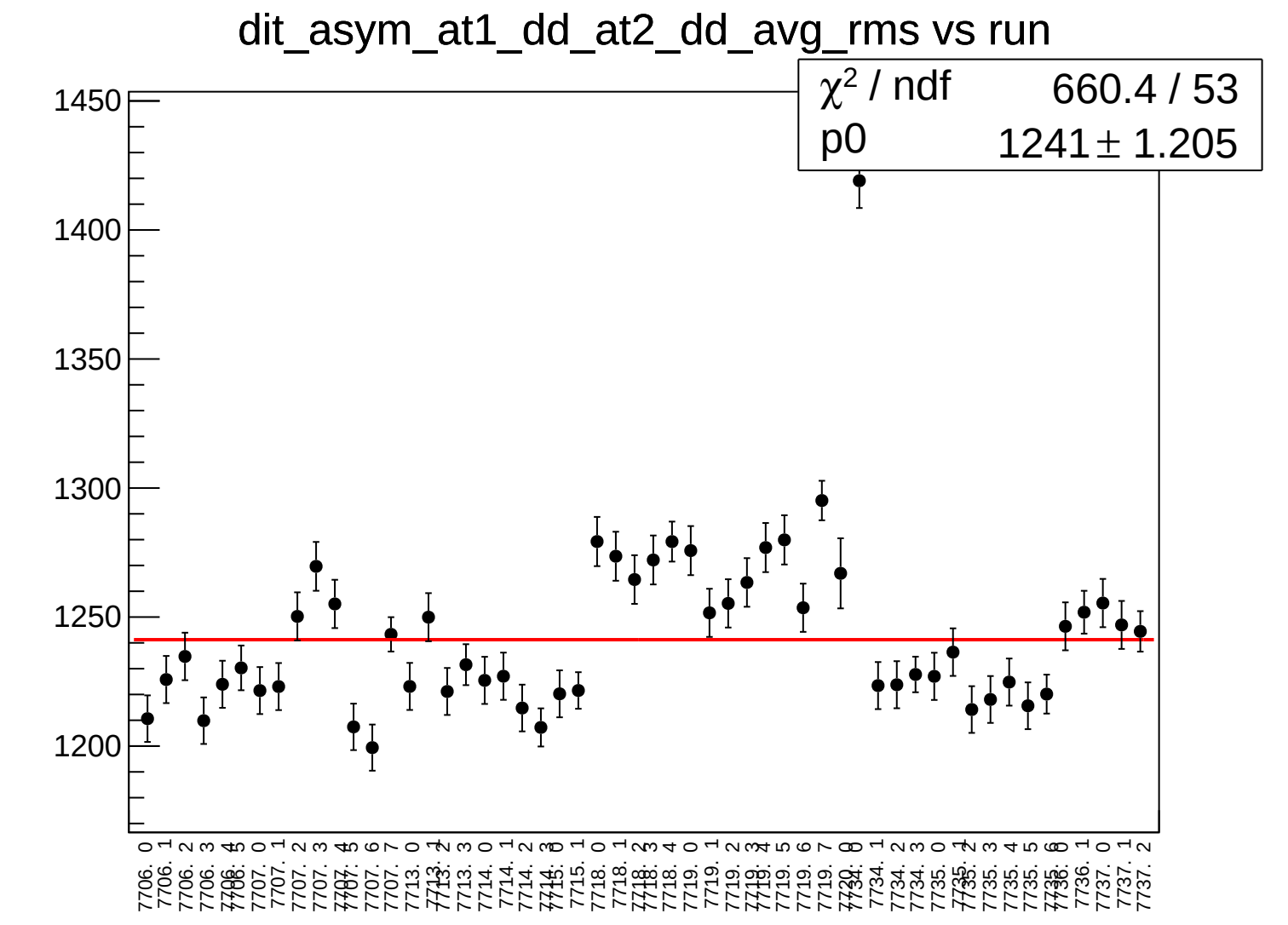

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 32.54 / 53
p0 −349.3 ± 2238
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −555.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

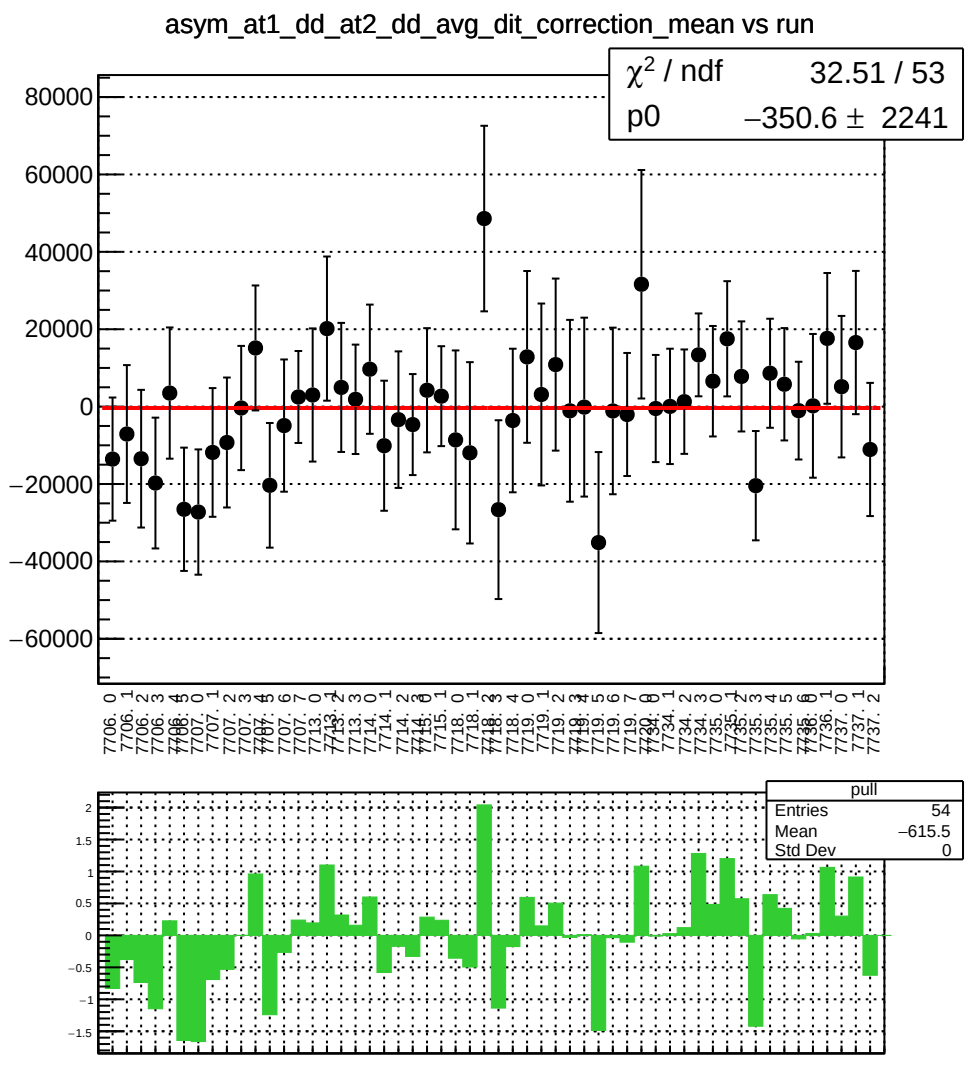

pull1D
Entries 54
Mean −0.007818
Std Dev 0.7762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

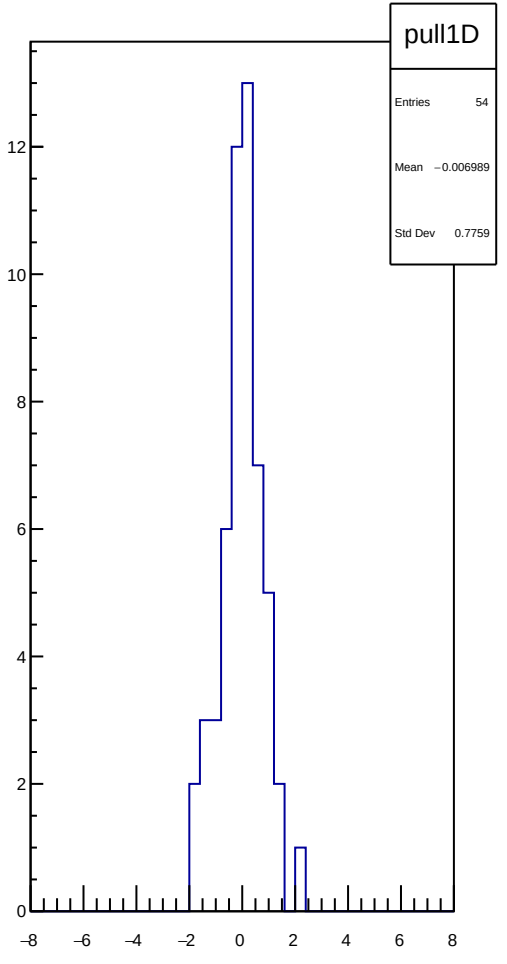

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.91e+04 / 53
p0 1608 ± 1.583
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

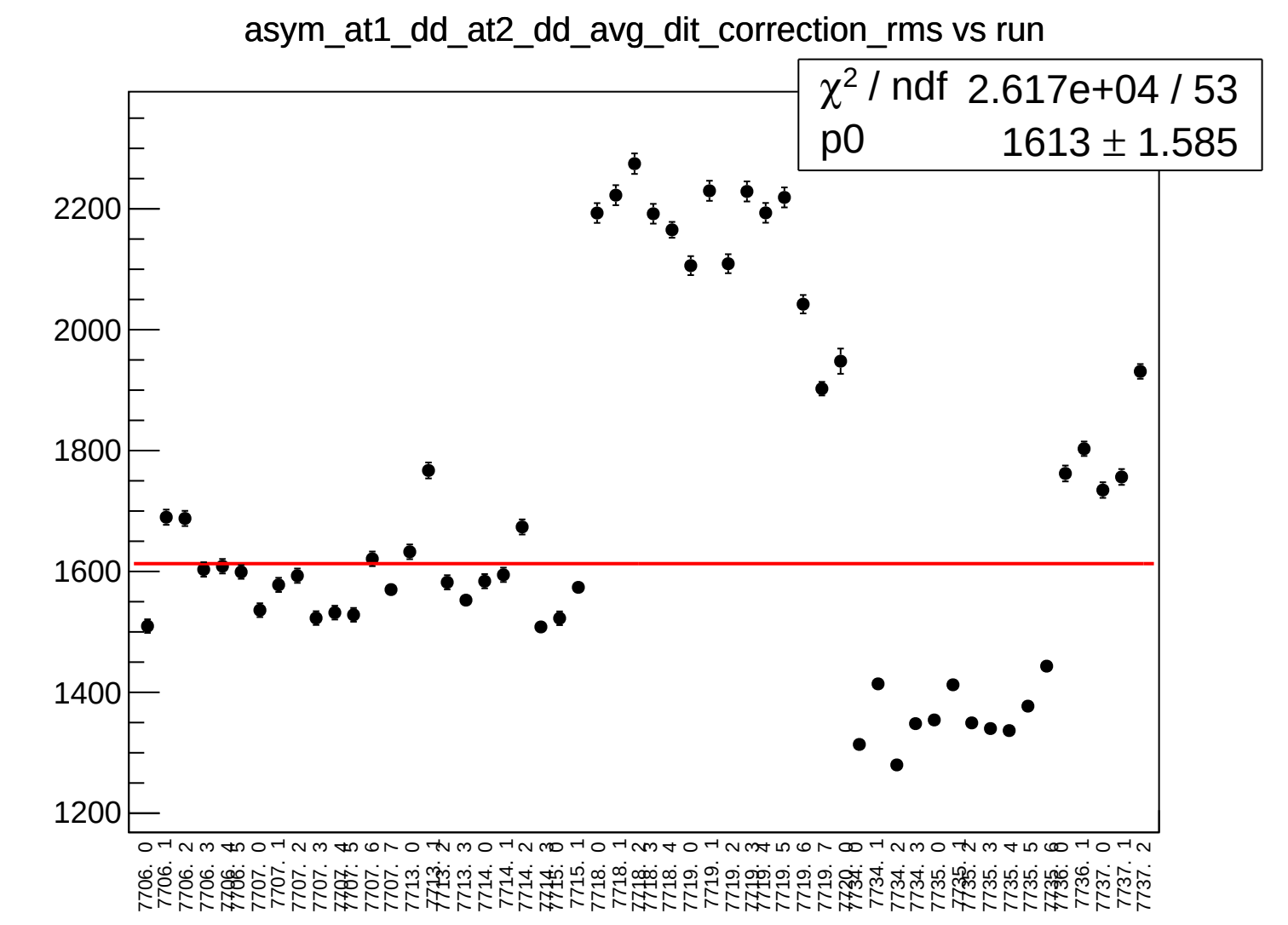

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 44.81 / 53
p0 −1762 ± 1704
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −692.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

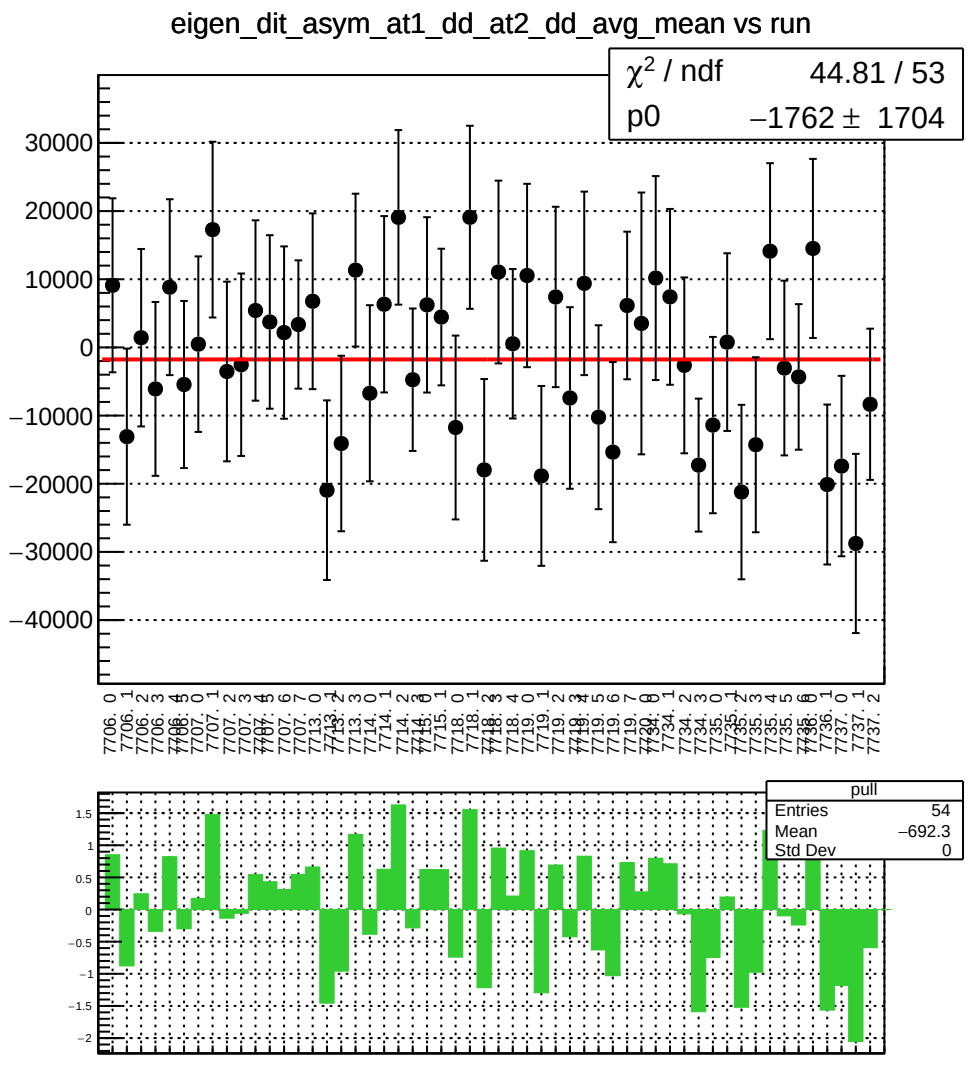

pull1D
Entries 54
Mean 0.005701
Std Dev 0.9109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

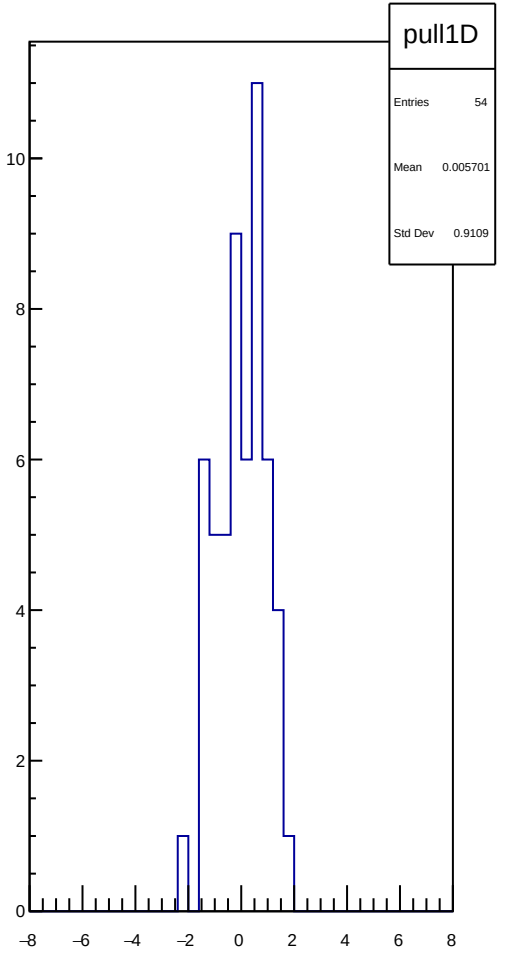

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 660.4 / 53
p0 1241 ± 1.205
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

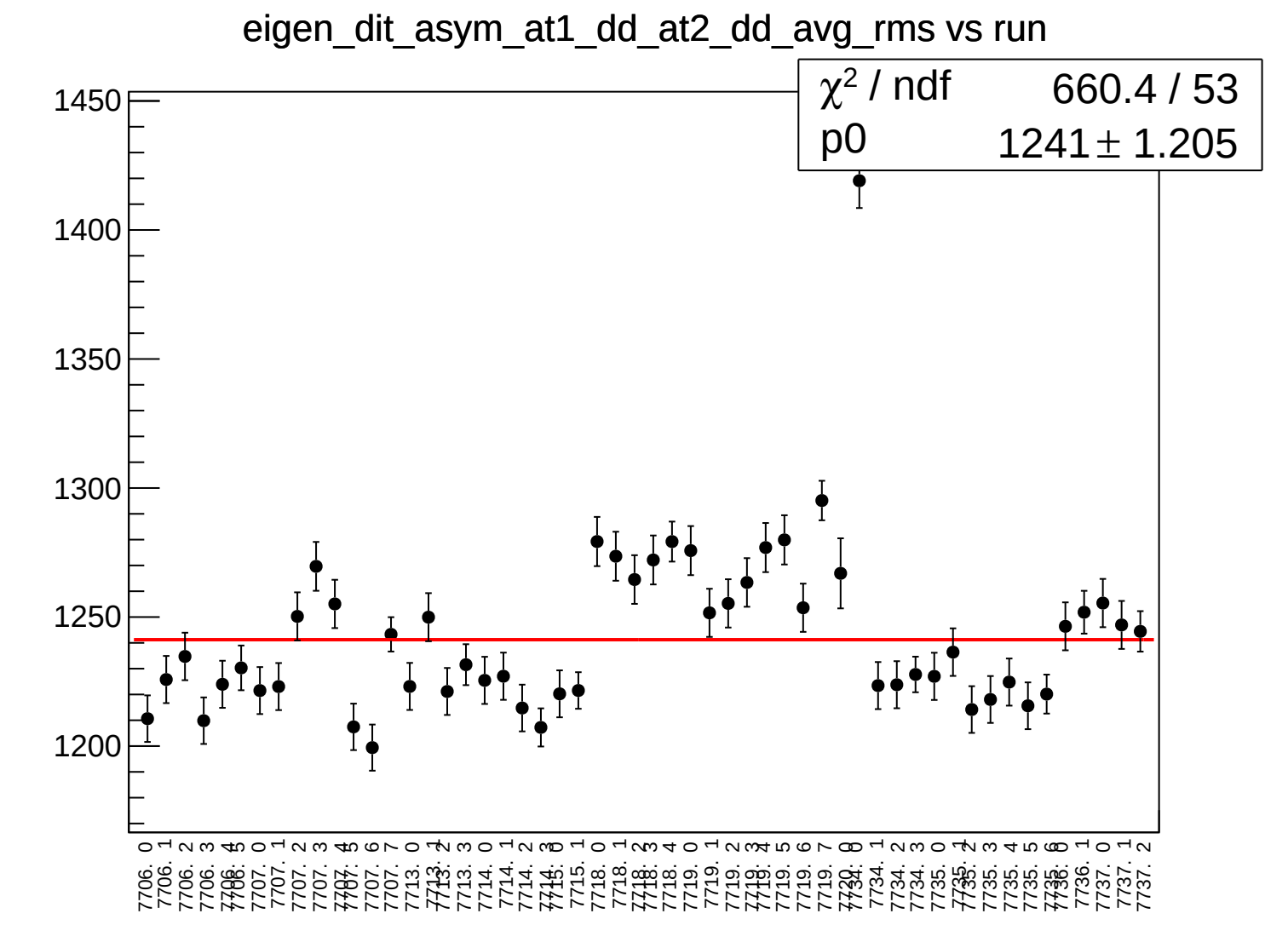

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 32.51 / 53
p0 −350.6 ± 2241
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −615.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

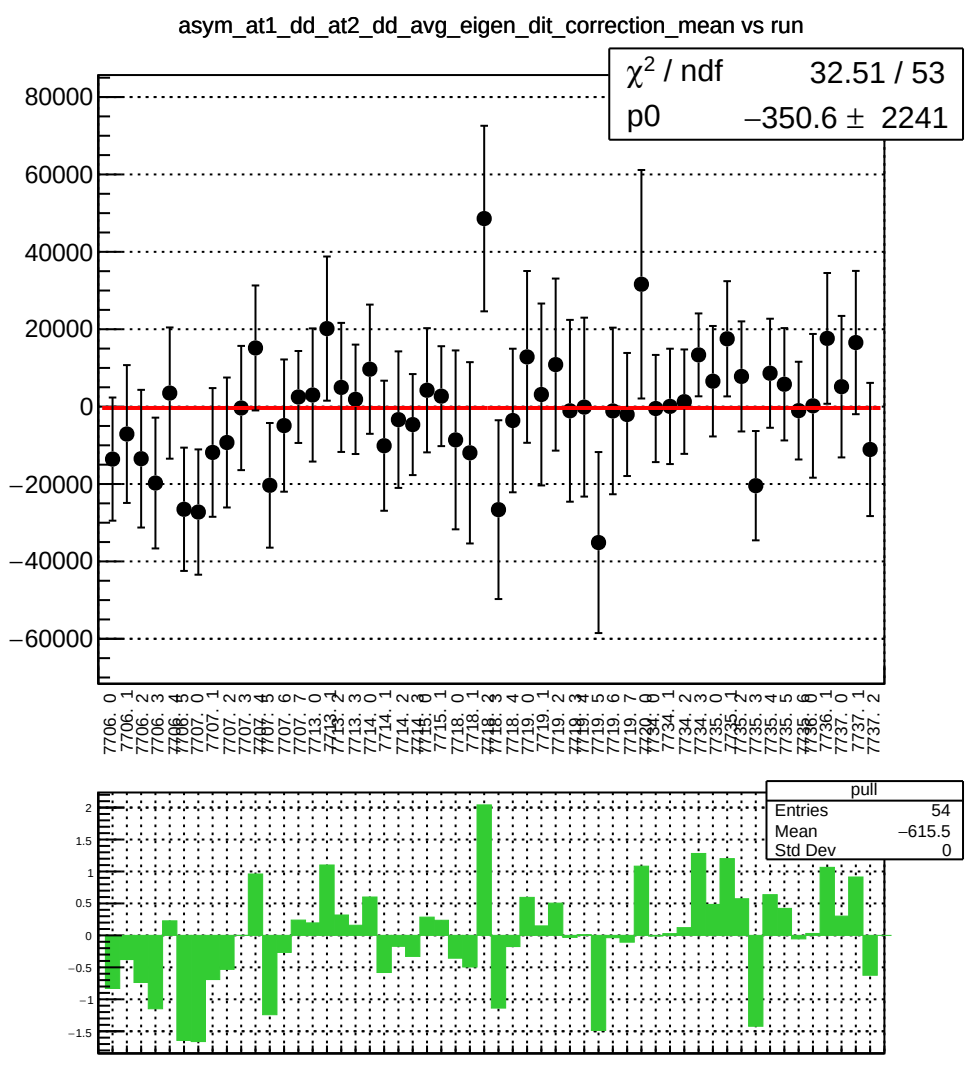

pull1D
Entries 54
Mean −0.006989
Std Dev 0.7759
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

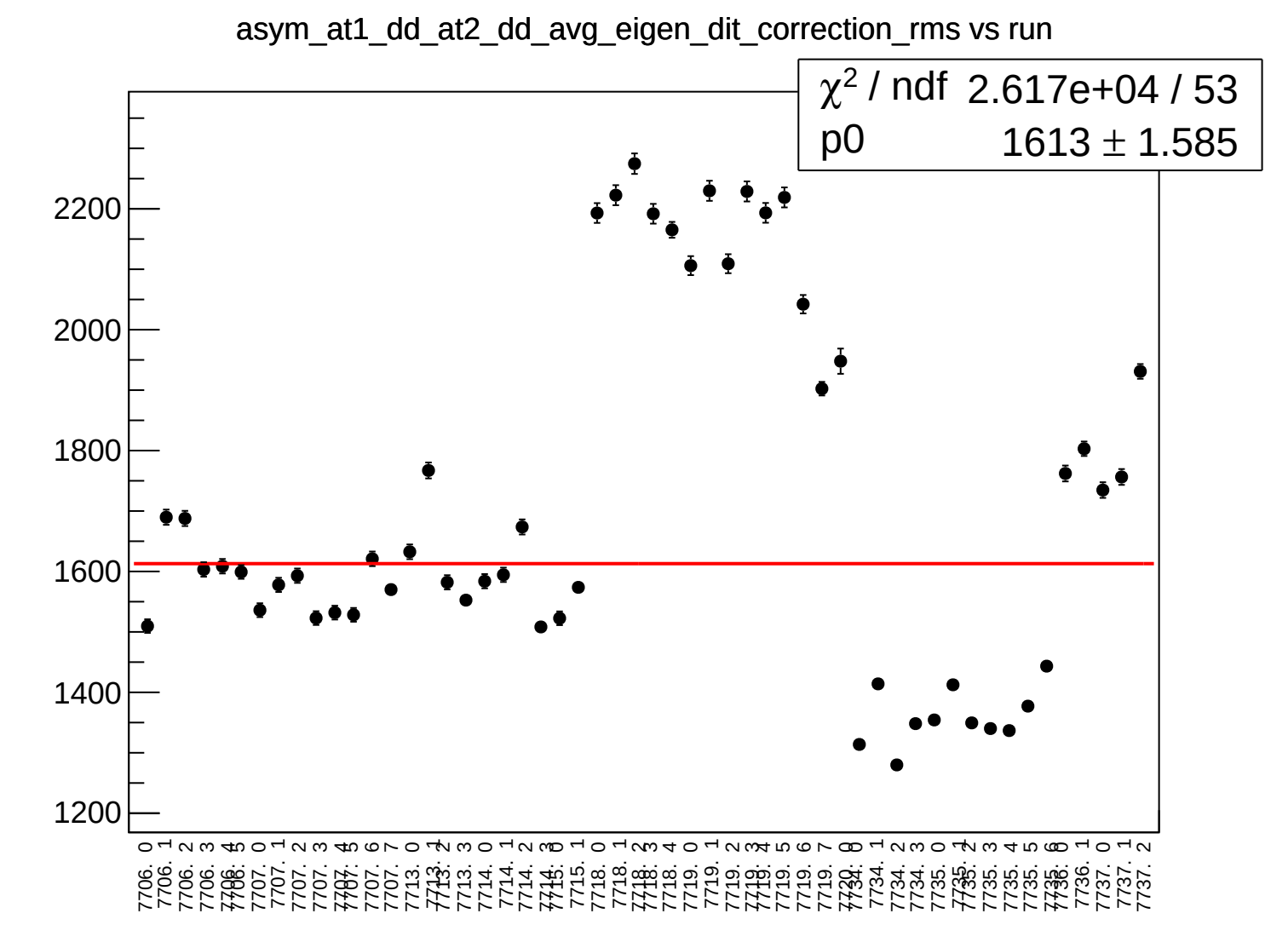

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 53
p0 1613 ± 1.585
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

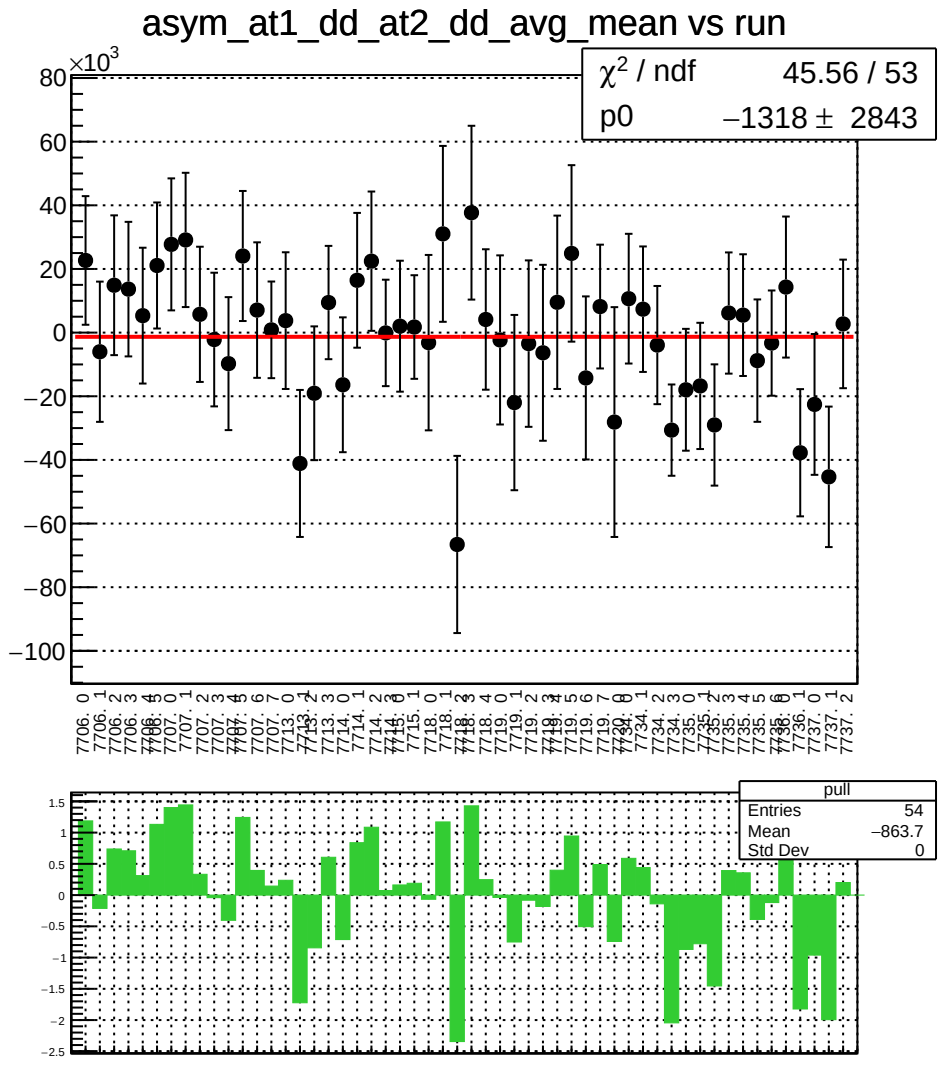

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 44.81 / 53
p0 −1762 ± 1704
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −692.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

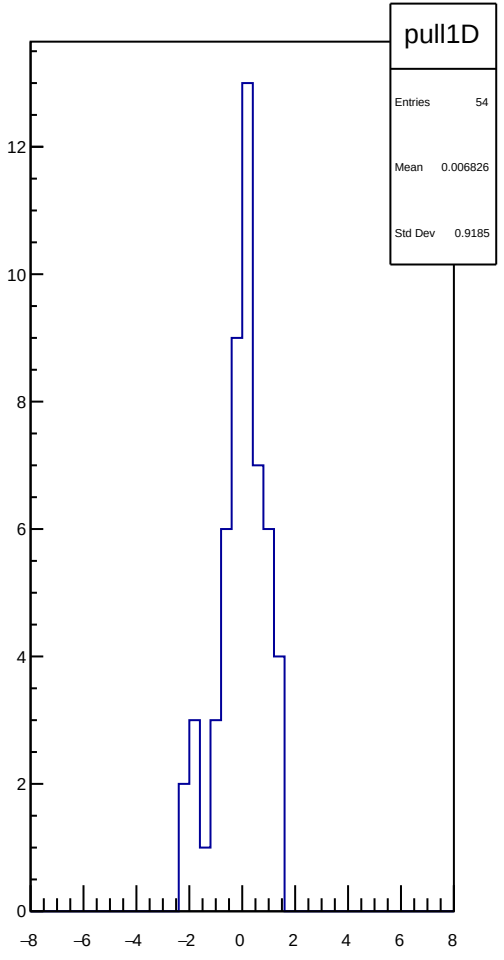

pull1D
Entries 54
Mean 0.005701
Std Dev 0.9109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

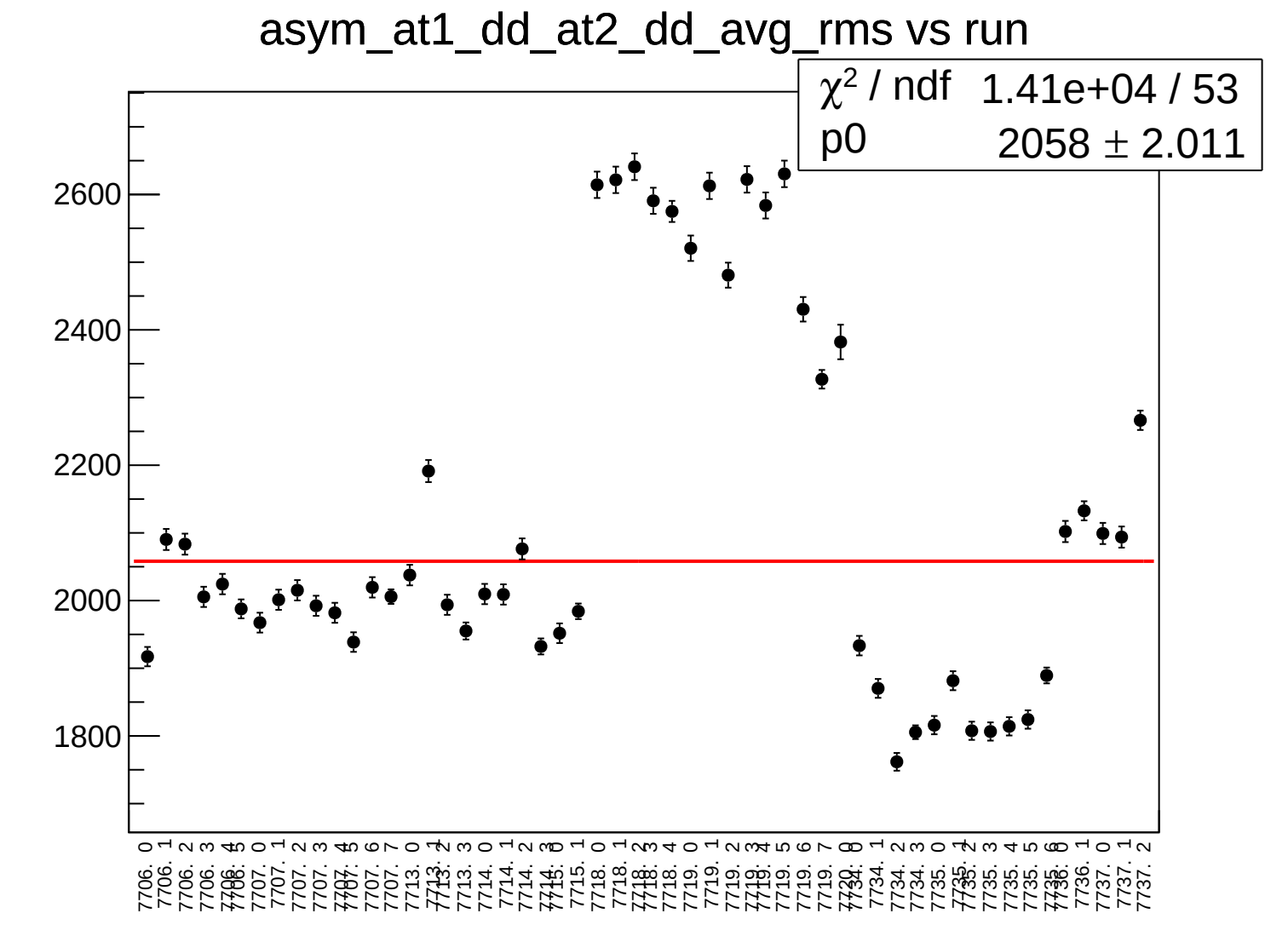

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 660.4 / 53
p0 1241 ± 1.205
1450
1400
1350
1300
1250
1200

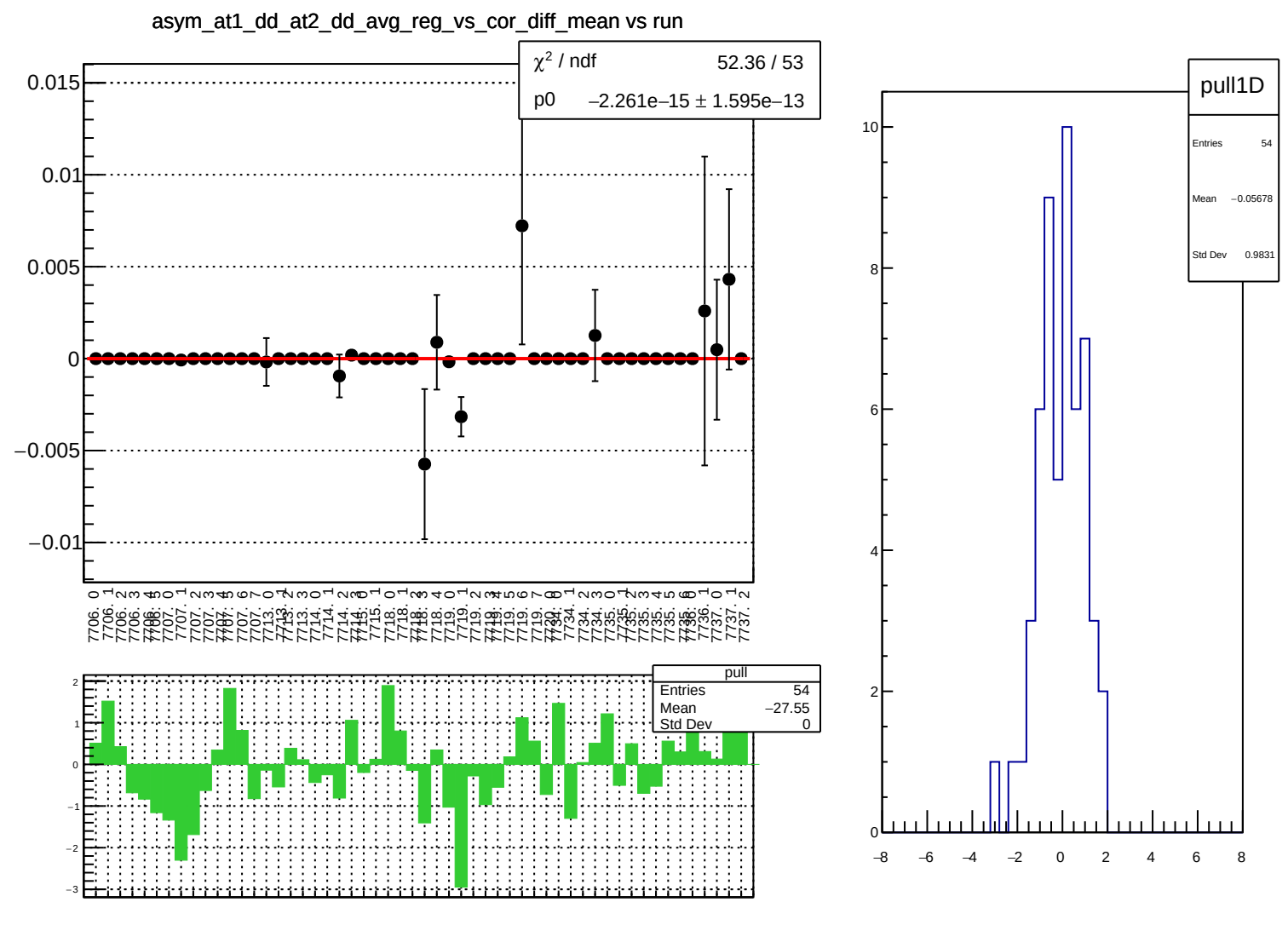

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 32.51 / 53
p0 −350.6 ± 2241
pull
Entries 54
Mean −615.5
Std Dev 0
pull1D
Entries 54
Mean −0.006989
Std Dev 0.7759

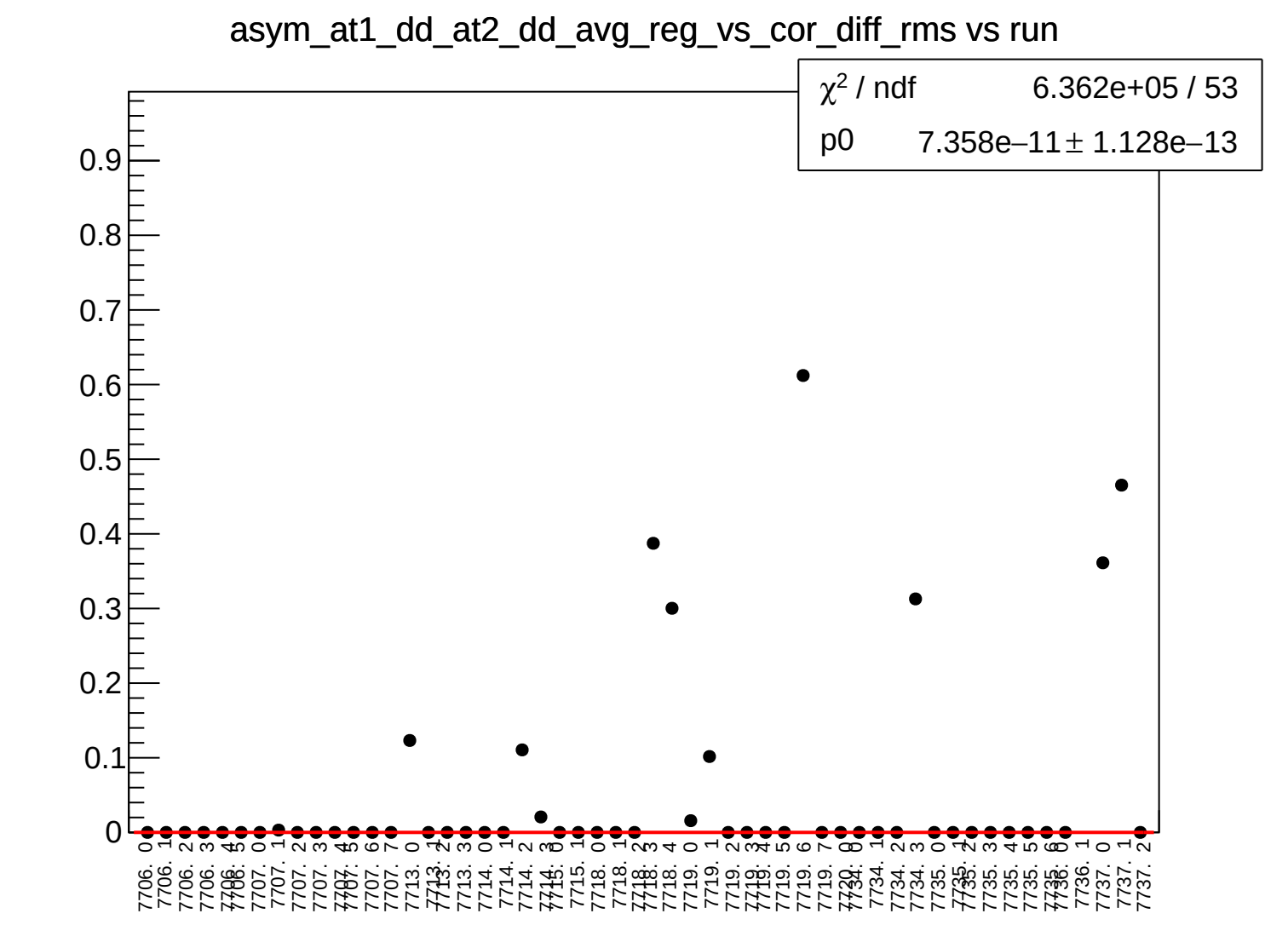

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.617e+04 / 53
p0 1613 ± 1.585
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 45.56 / 53
p0 −1318 ± 2843
pull
Entries 54
Mean −863.7
Std Dev 0

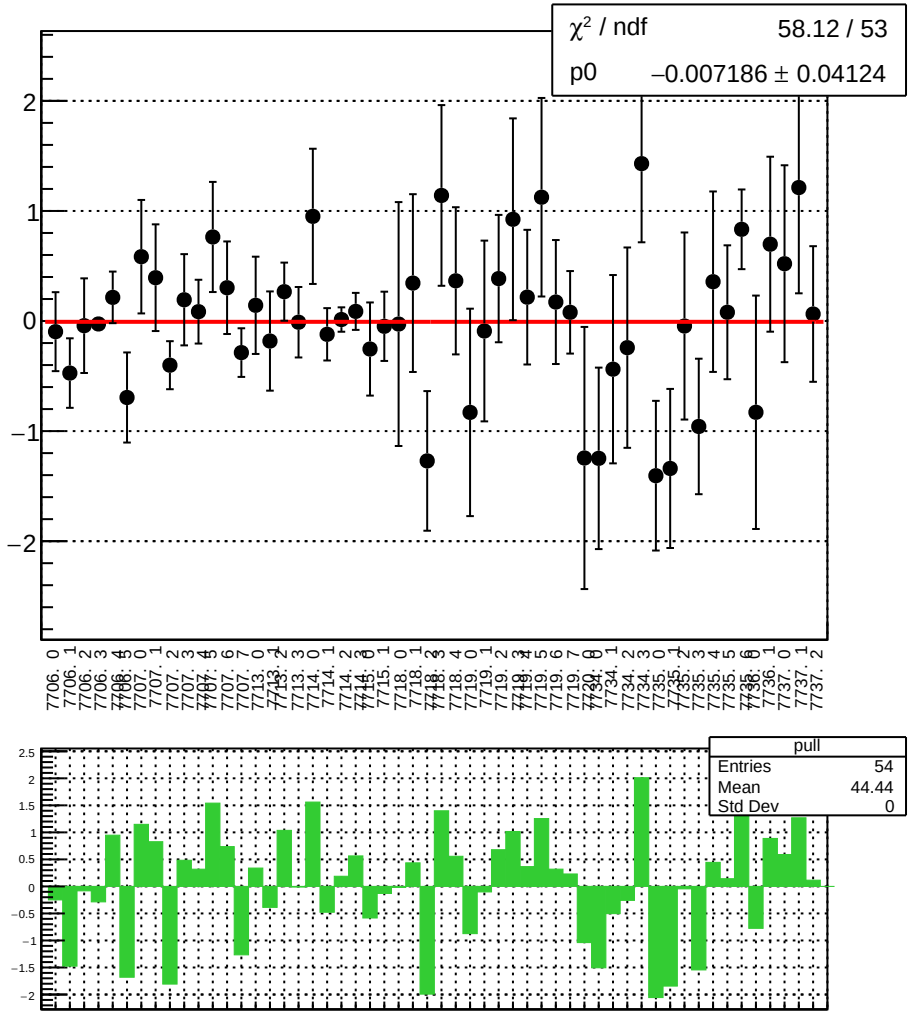

pull1D
Entries 54
Mean 0.006826
Std Dev 0.9185

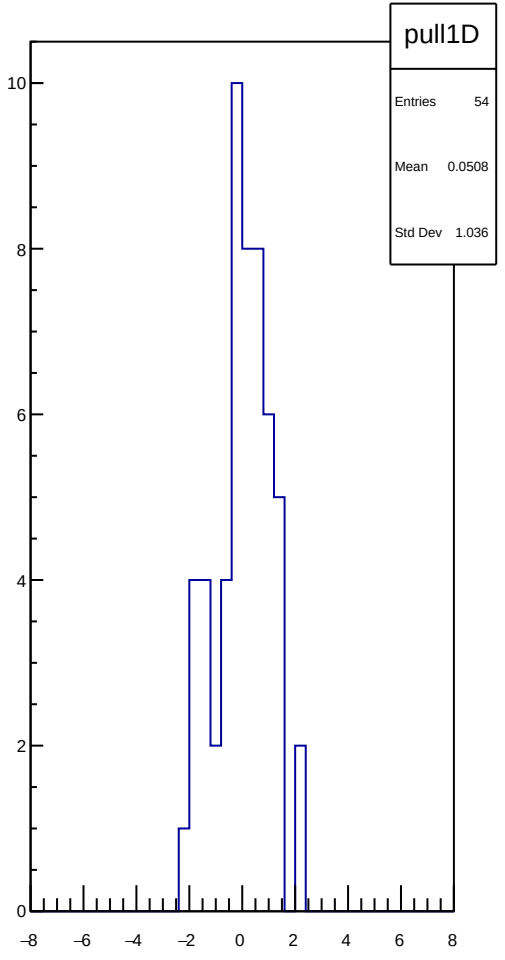

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1.41e+04 / 53
p0 2058 ± 2.011
2600
2400
2200
2000
1800

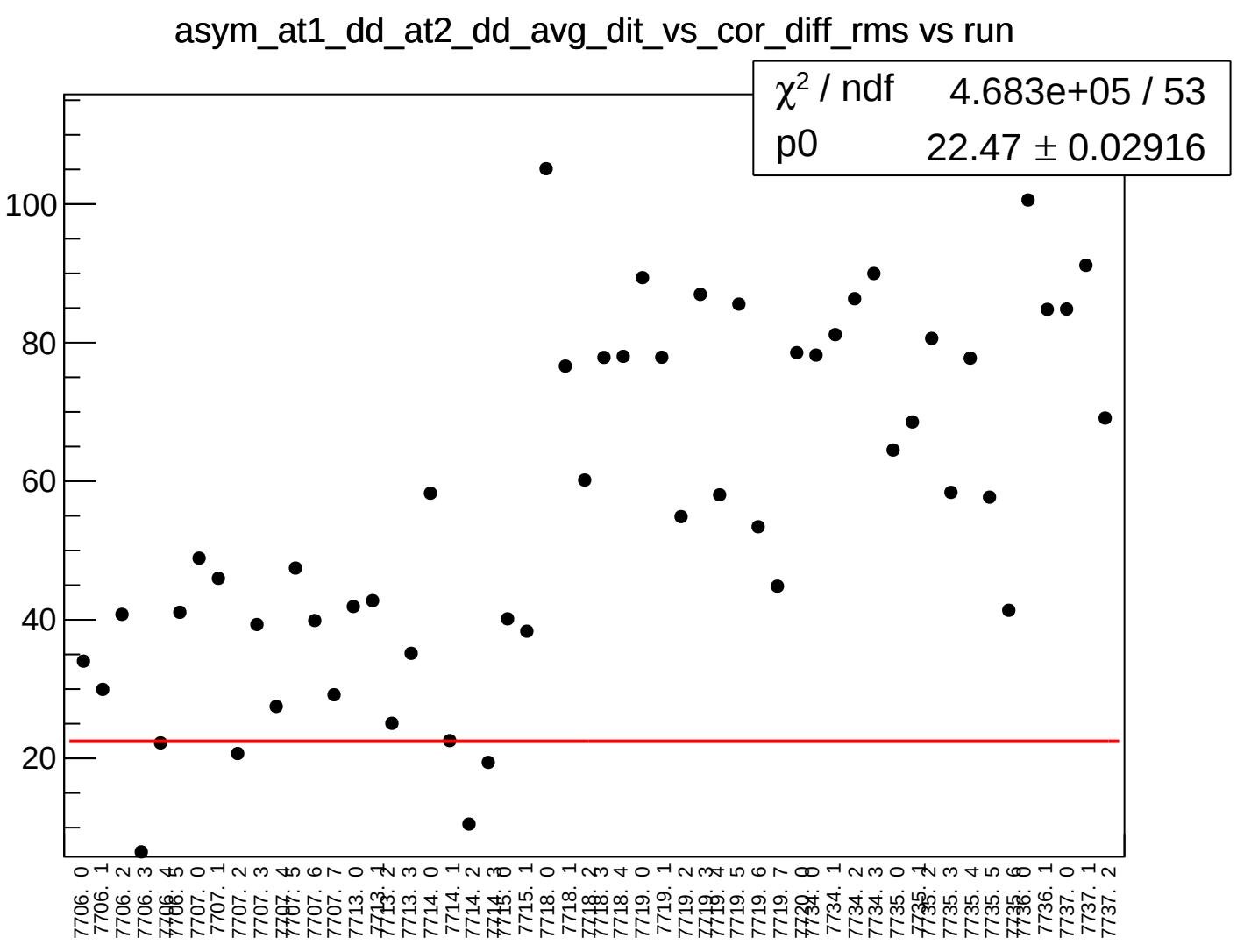

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.36 / 53
p0 −2.261e−15 ± 1.595e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean −27.55
Std Dev 0
pull1D
Entries 54
Mean −0.05678
Std Dev 0.9831

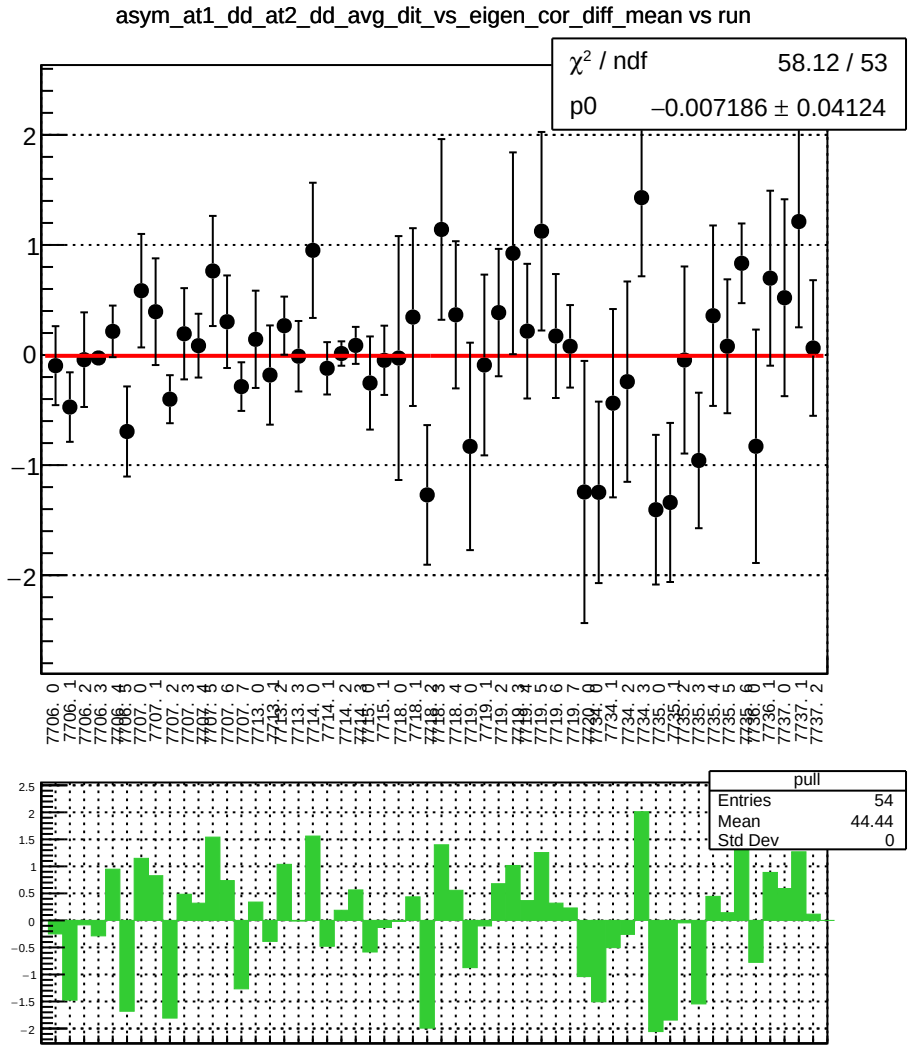

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.362e+05 / 53
p0 7.358e−11 ± 1.128e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7715. 0
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

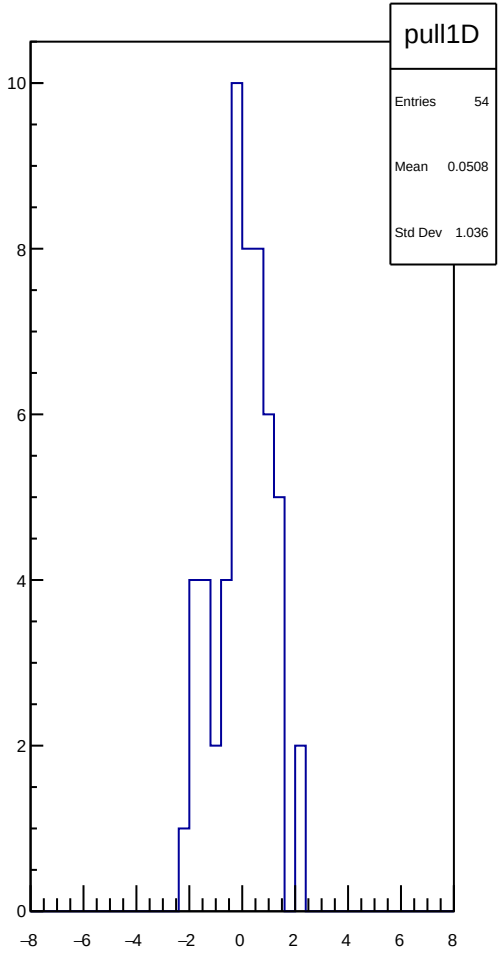
asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run

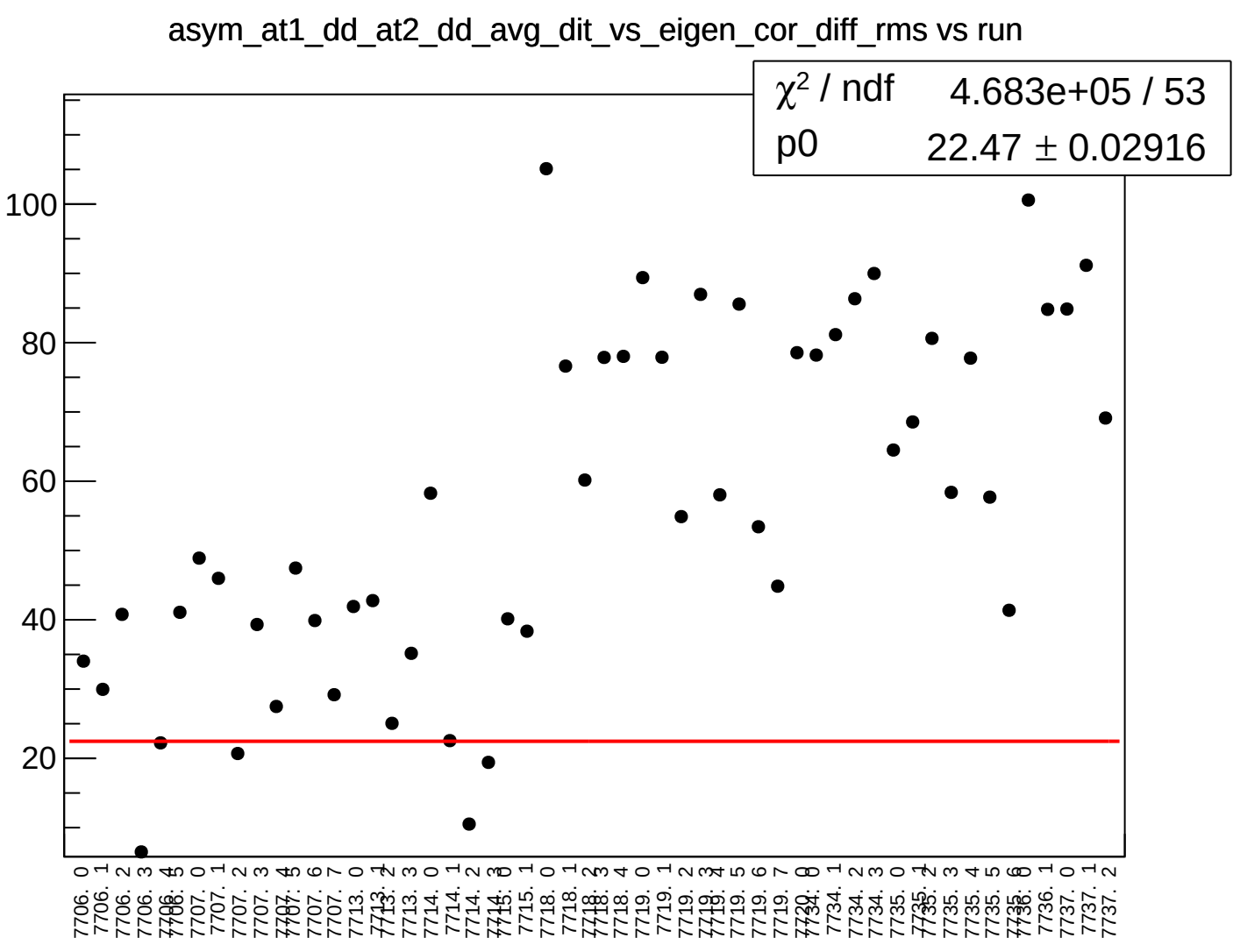


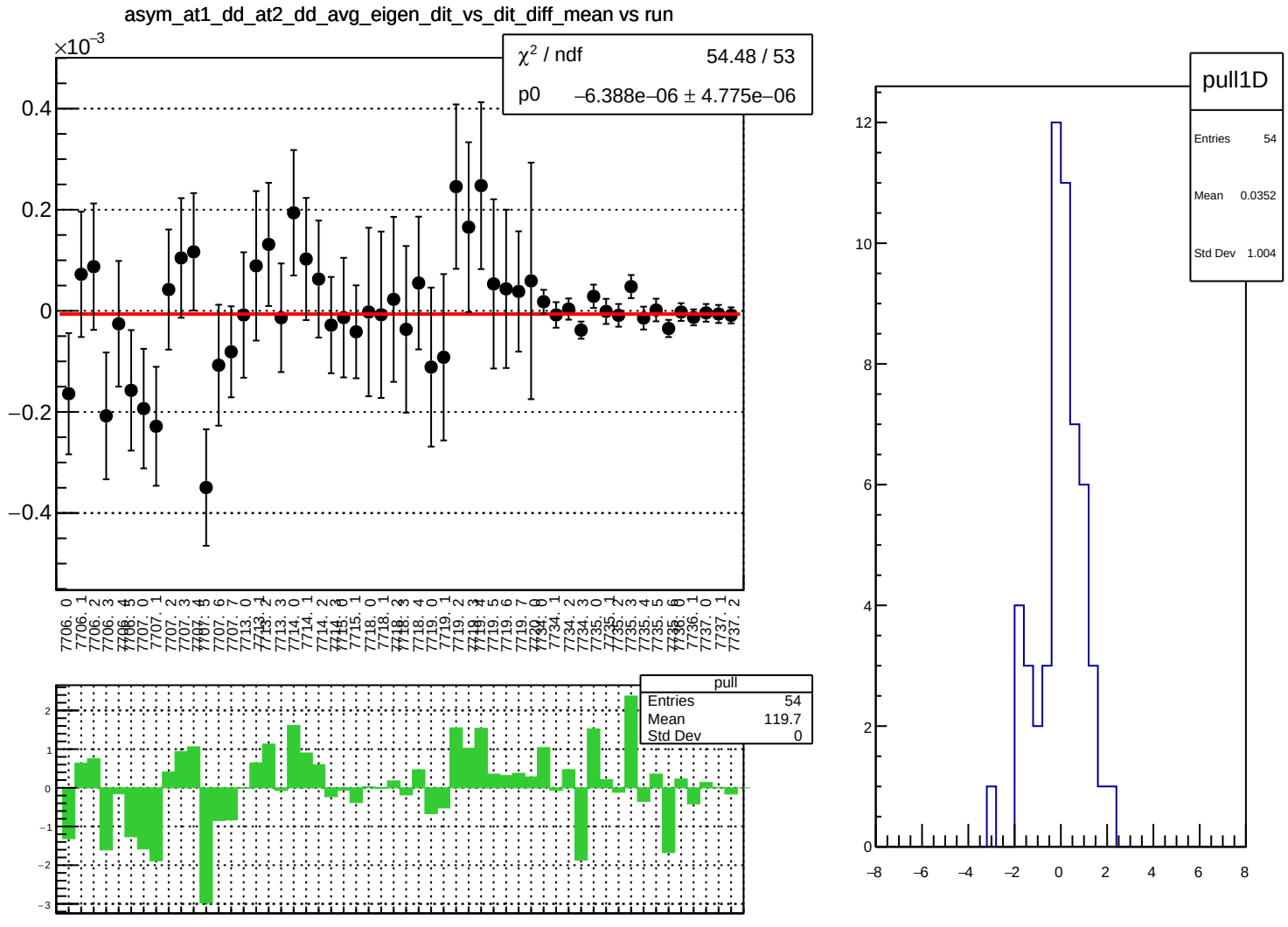


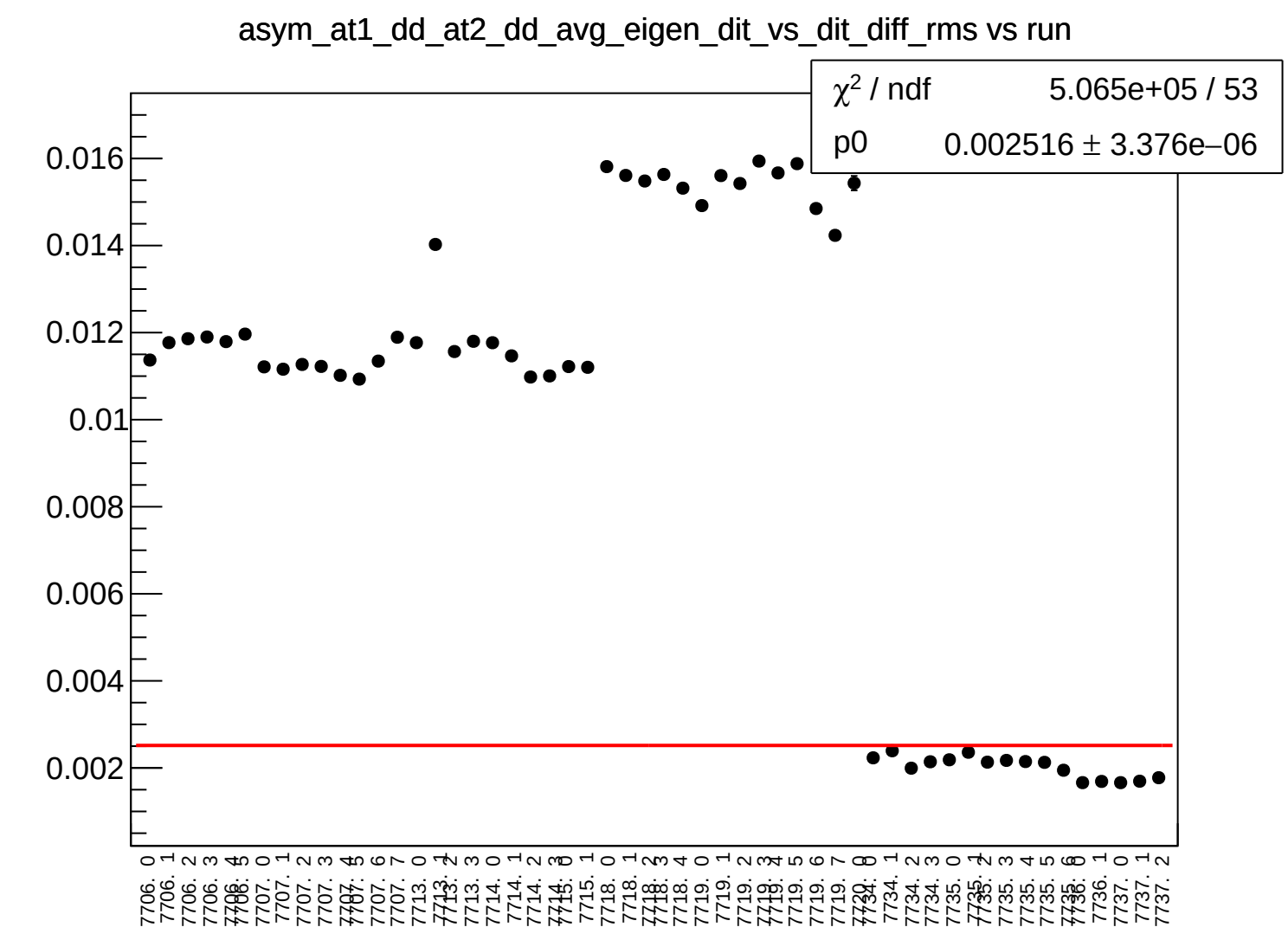

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.683e+05 / 53
p0 22.47 ± 0.02916
100
80
60
40
20

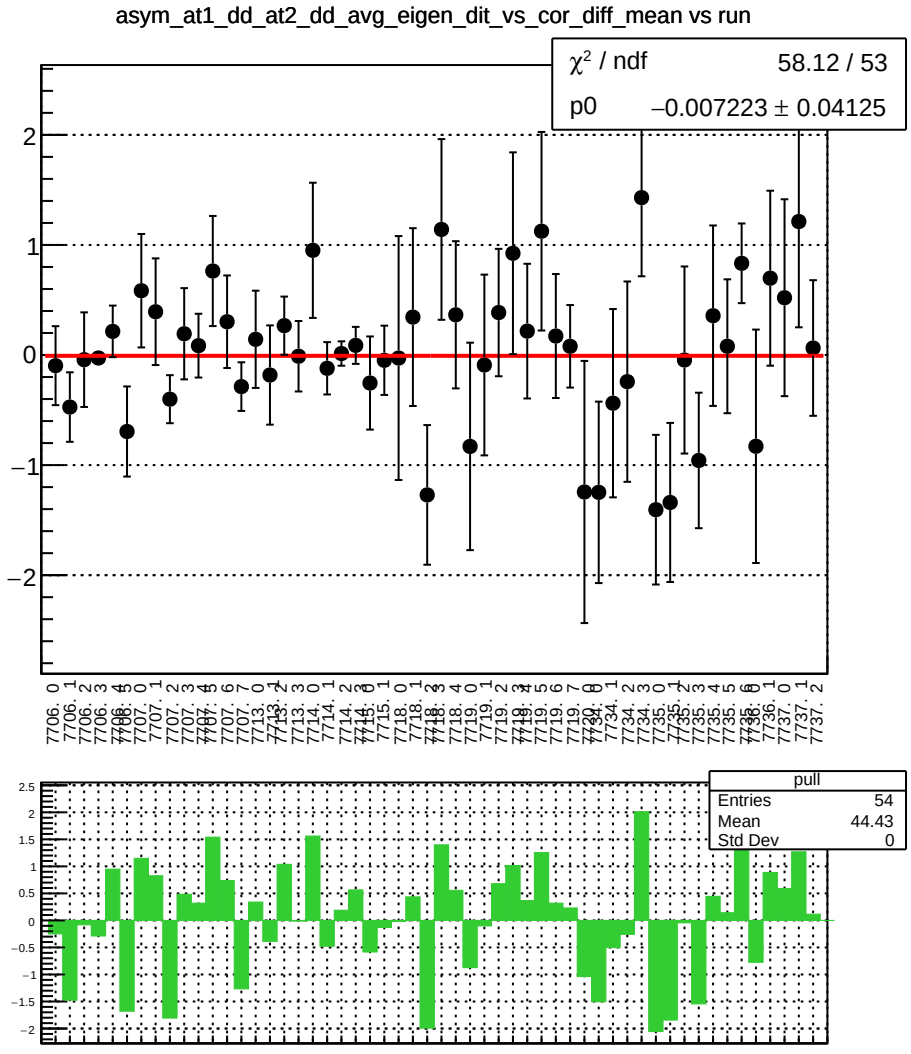

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007186 ± 0.04124
pull
Entries 54
Mean 44.44
Std Dev 0

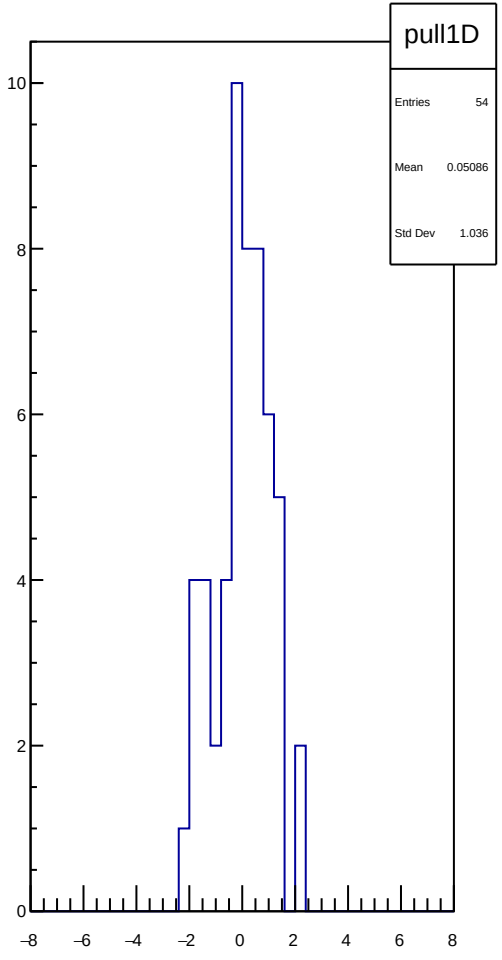

pull1D
Entries 54
Mean 0.0508
Std Dev 1.036

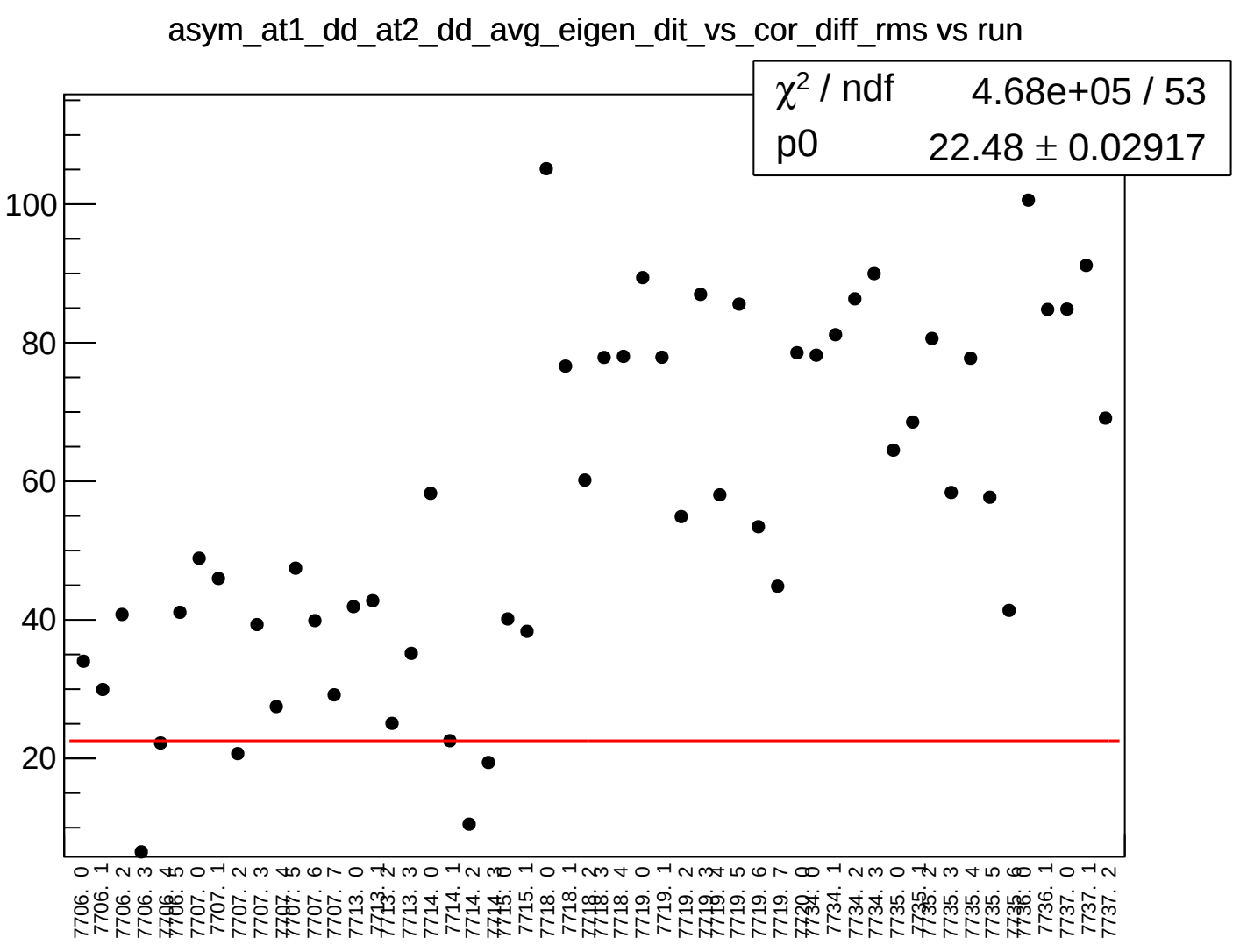

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.683e+05 / 53
p0 22.47 ± 0.02916
100
80
60
40
20

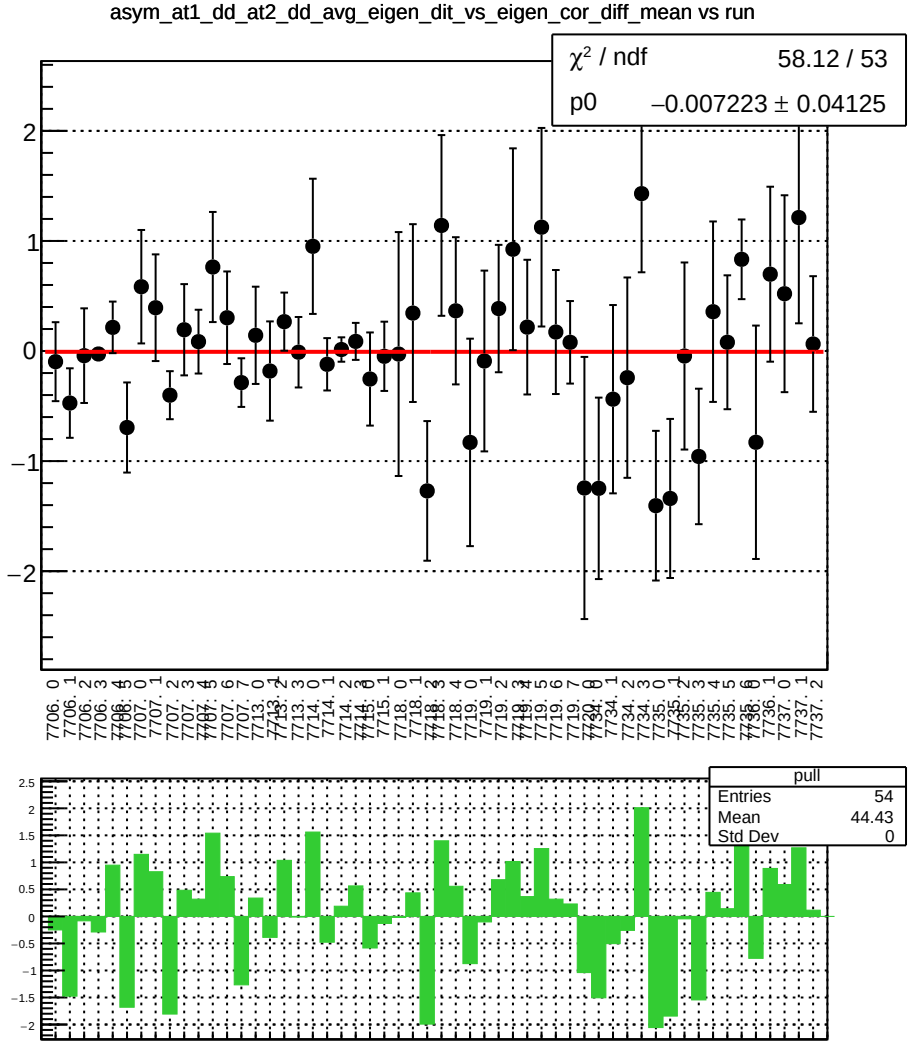

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.48 / 53
p0 −6.388e−06 ± 4.775e−06
pull
Entries 54
Mean 119.7
Std Dev 0
pull1D
Entries 54
Mean 0.0352
Std Dev 1.004

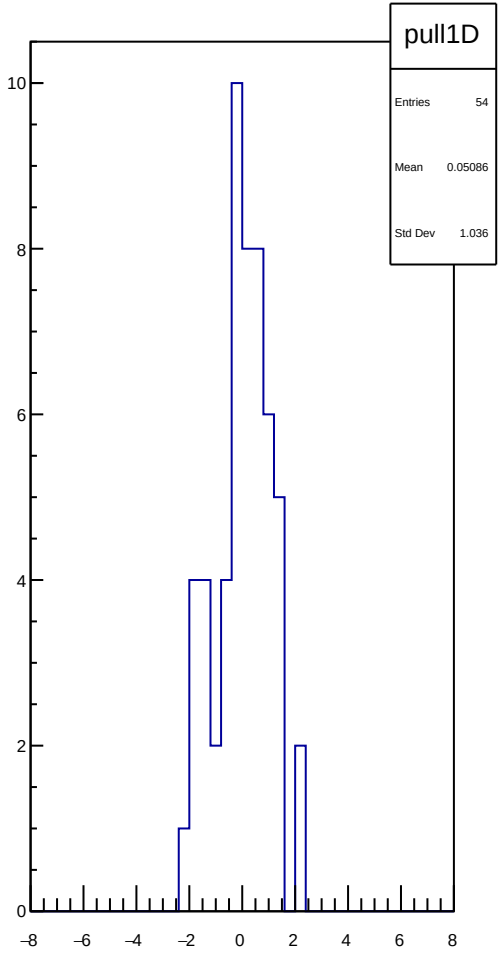

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.065e+05 / 53
p0 0.002516 ± 3.376e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

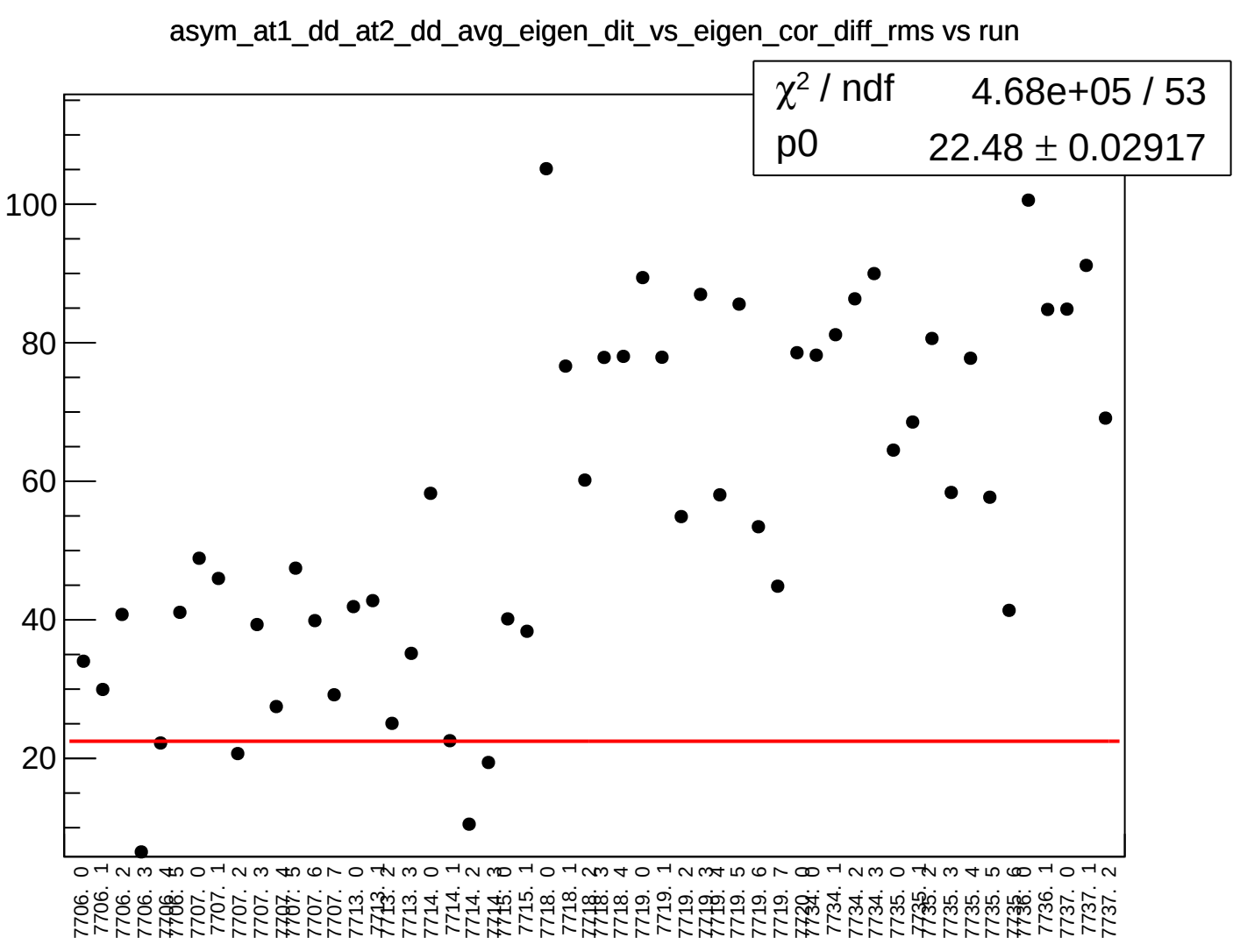

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007223 ± 0.04125
pull
Entries 54
Mean 44.43
Std Dev 0

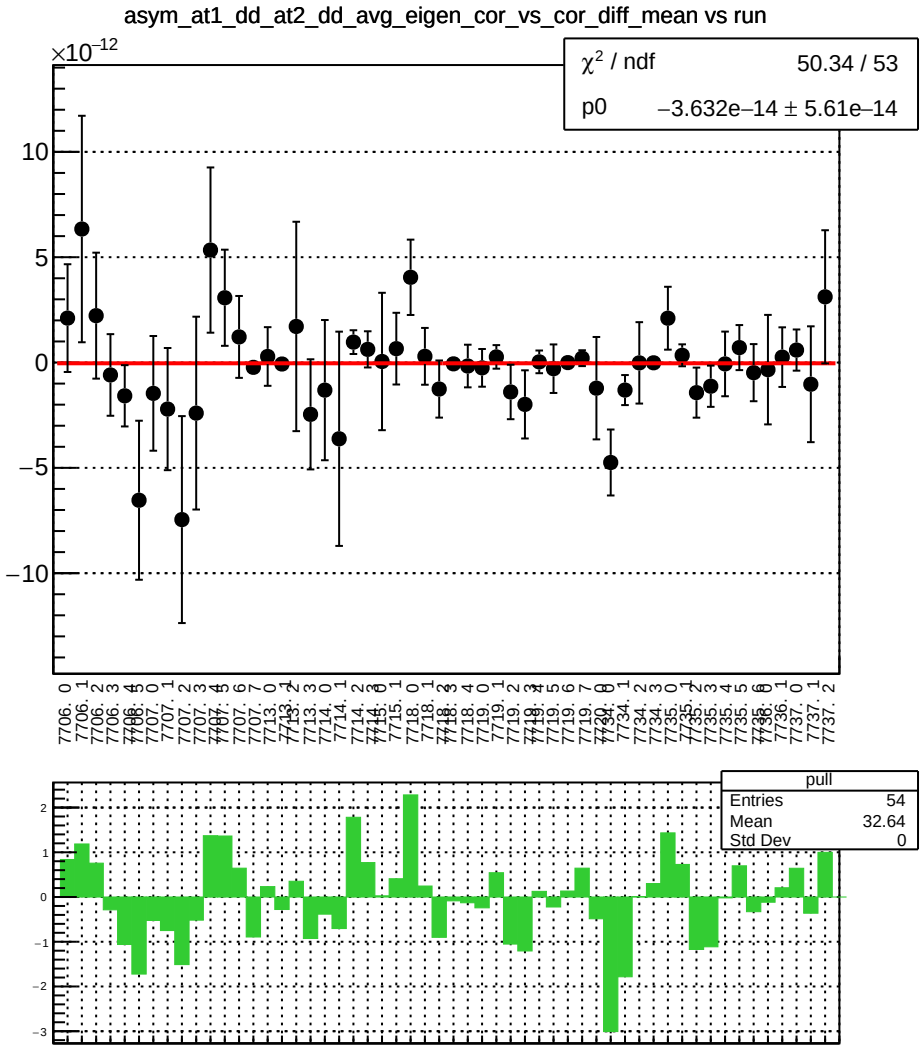

pull1D
Entries 54
Mean 0.05086
Std Dev 1.036

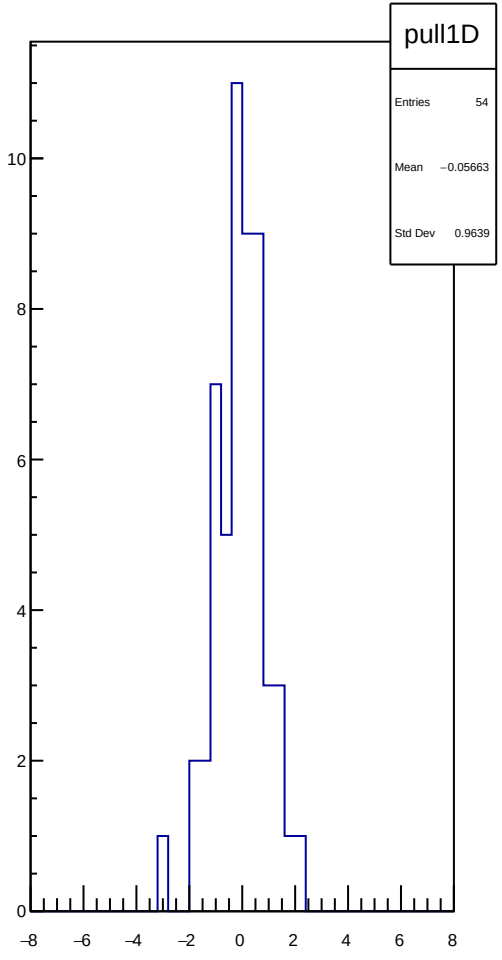

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.68e+05 / 53
p0 22.48 ± 0.02917
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

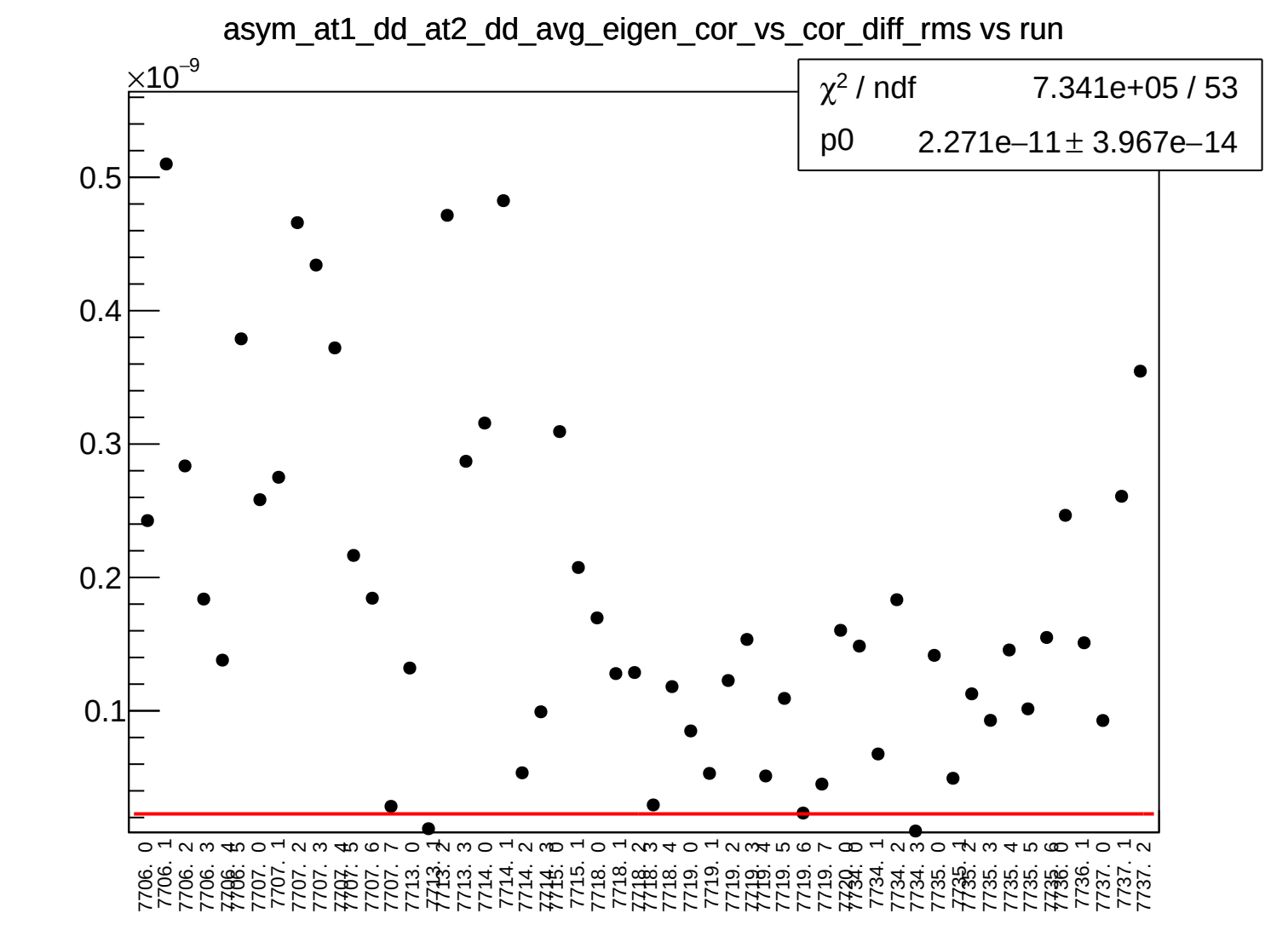

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.12 / 53
p0 −0.007223 ± 0.04125
pull
Entries 54
Mean 44.43
Std Dev 0

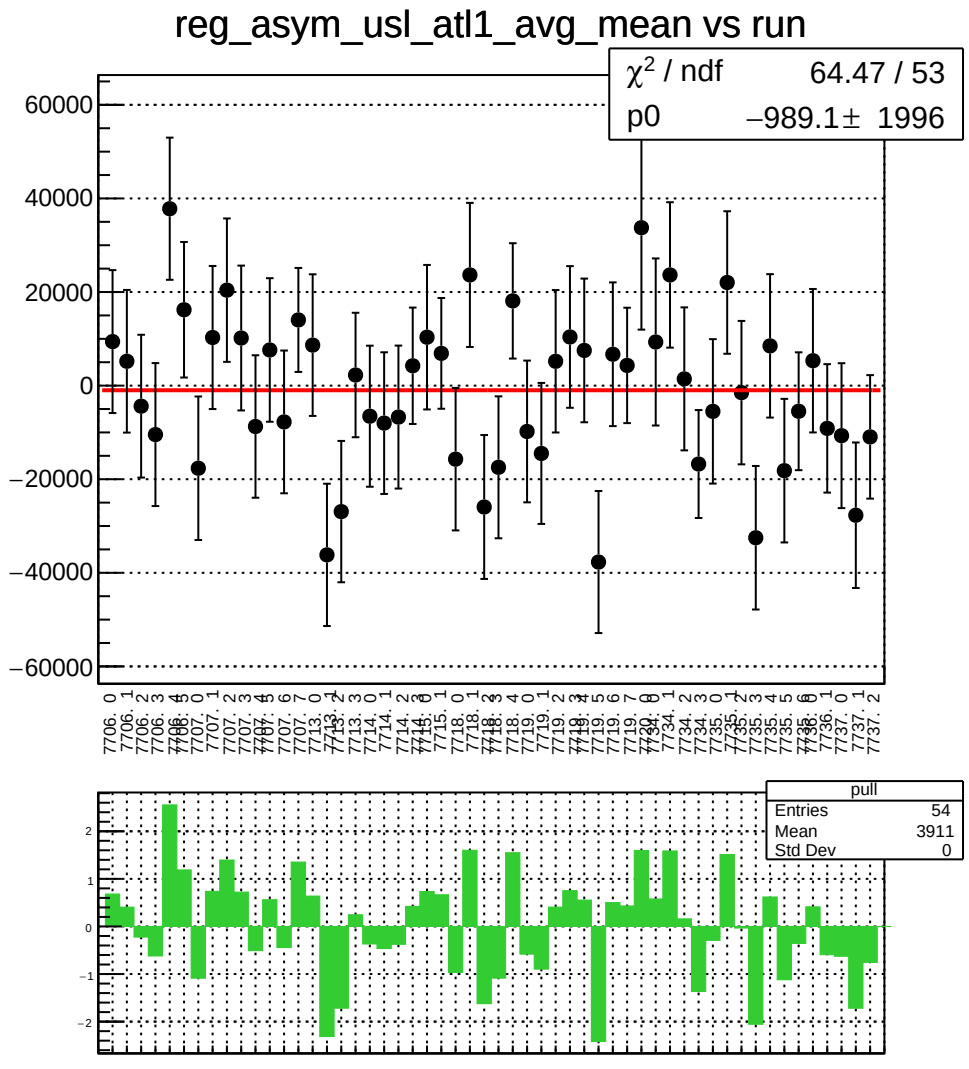

pull1D
Entries 54
Mean 0.05086
Std Dev 1.036

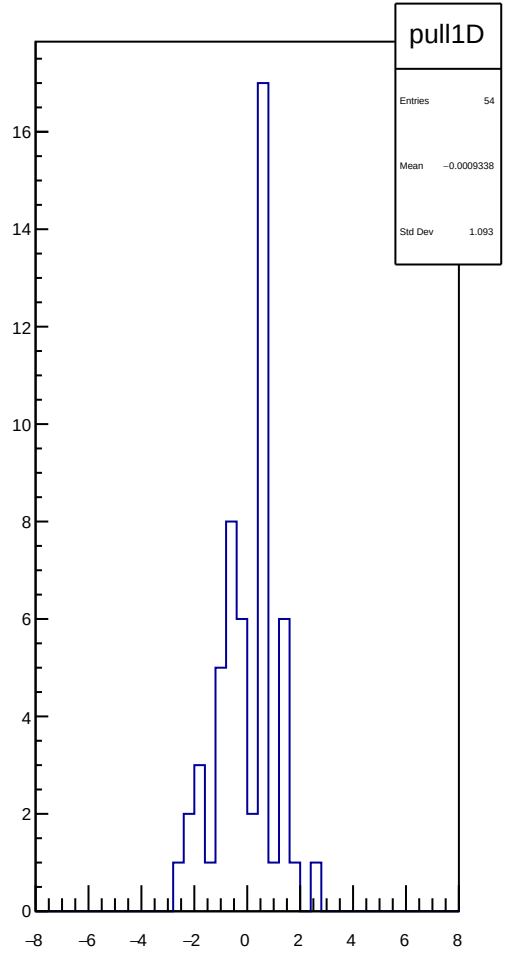

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.68e+05 / 53
p0 22.48 ± 0.02917
100
80
60
40
20

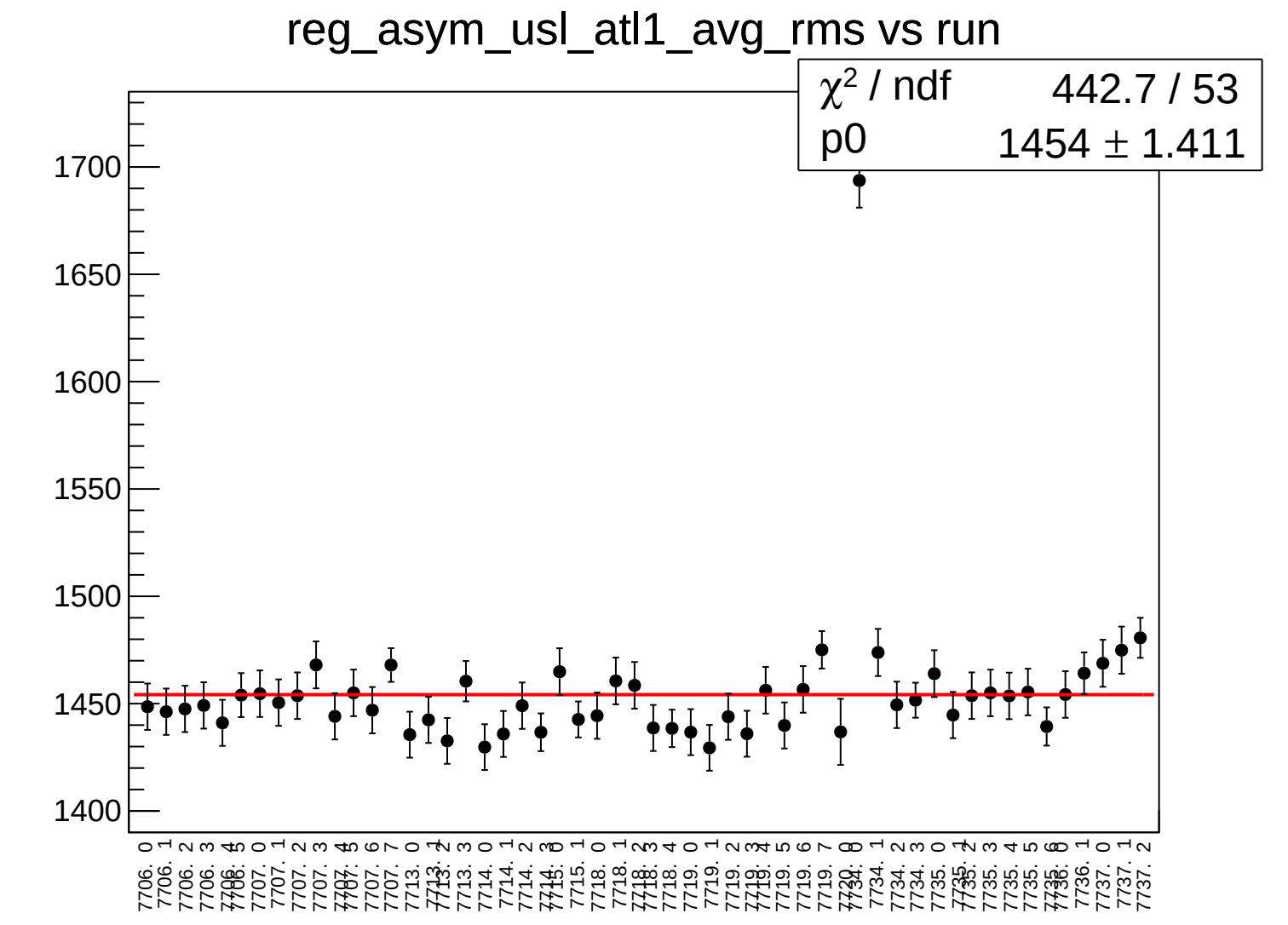

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.34 / 53
p0 −3.632e−14 ± 5.61e−14
pull
Entries 54
Mean 32.64
Std Dev 0

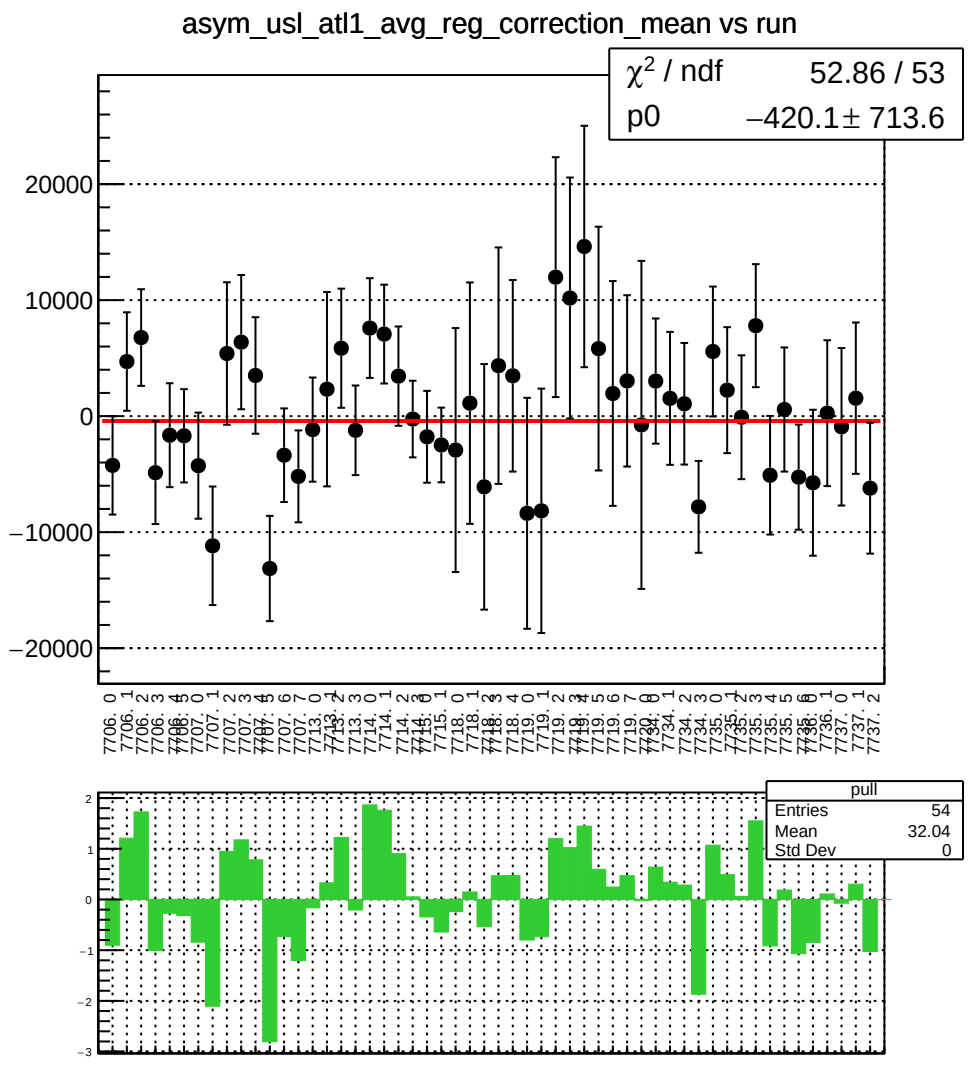

pull1D
Entries 54
Mean −0.05663
Std Dev 0.9639

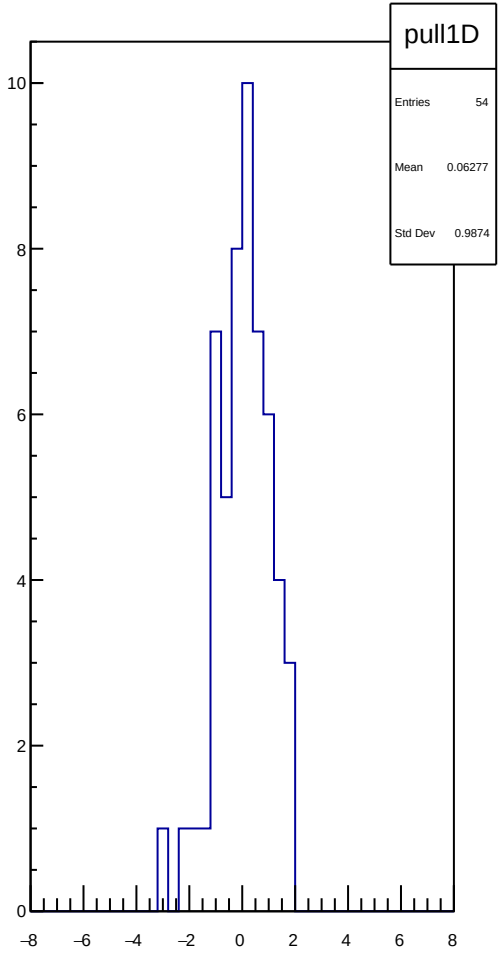

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.341e+05 / 53
p0 2.271e−11 ± 3.967e−14
0.5
0.4
0.3
0.2
0.1

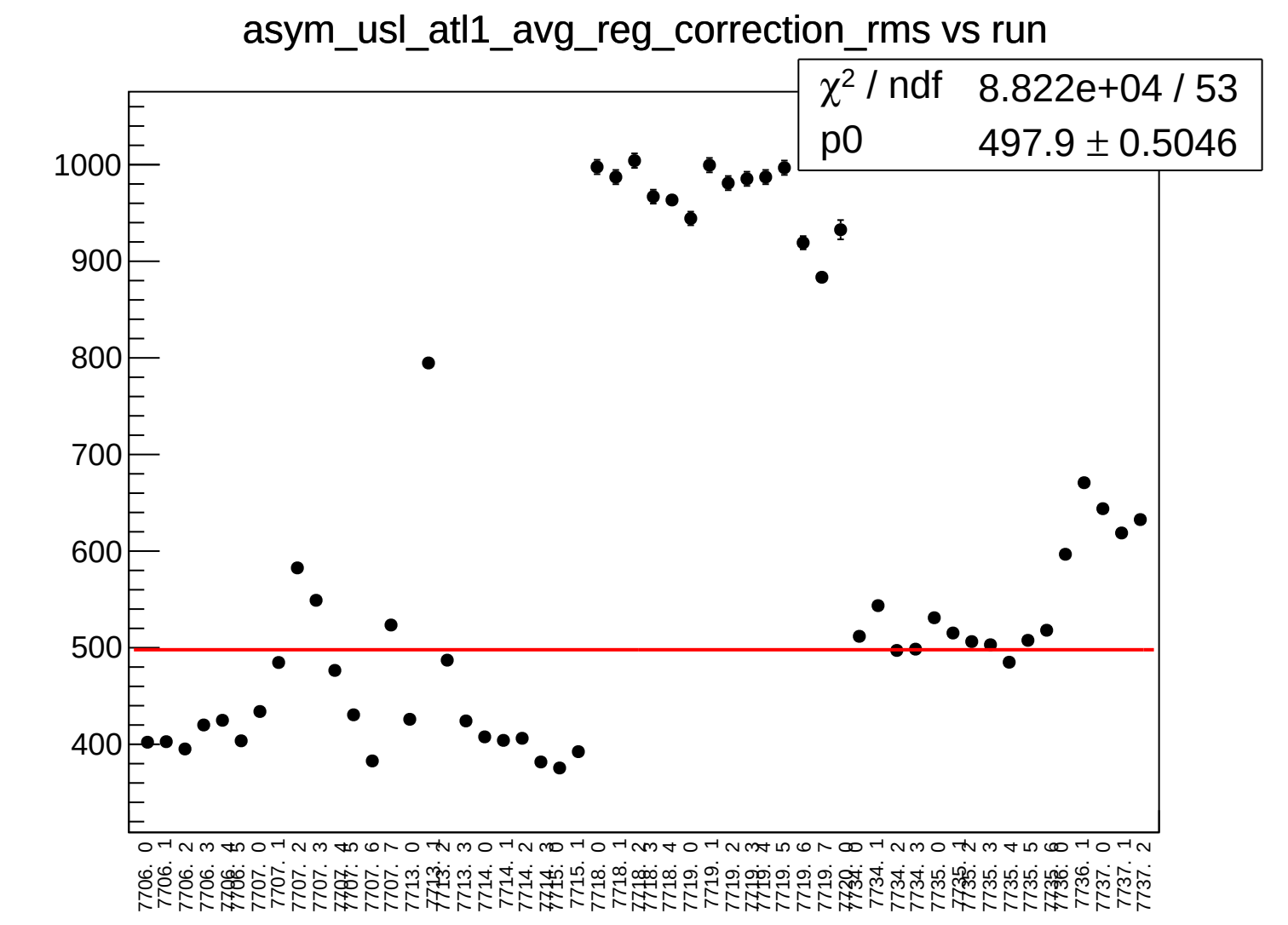

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 64.47 / 53
p0 −989.1± 1996
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 3911
Std Dev 0
2
1
0
−1
−2

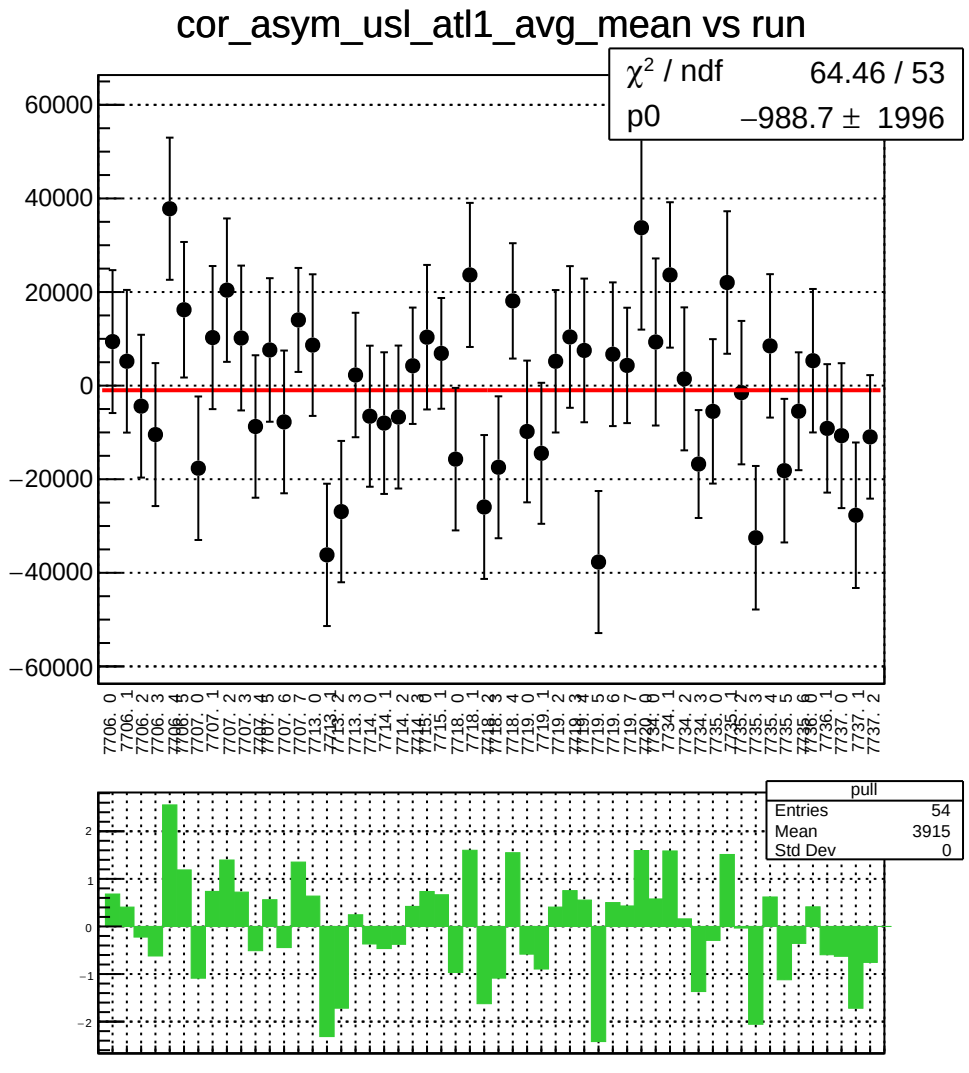

pull1D
Entries 54
Mean −0.0009338
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

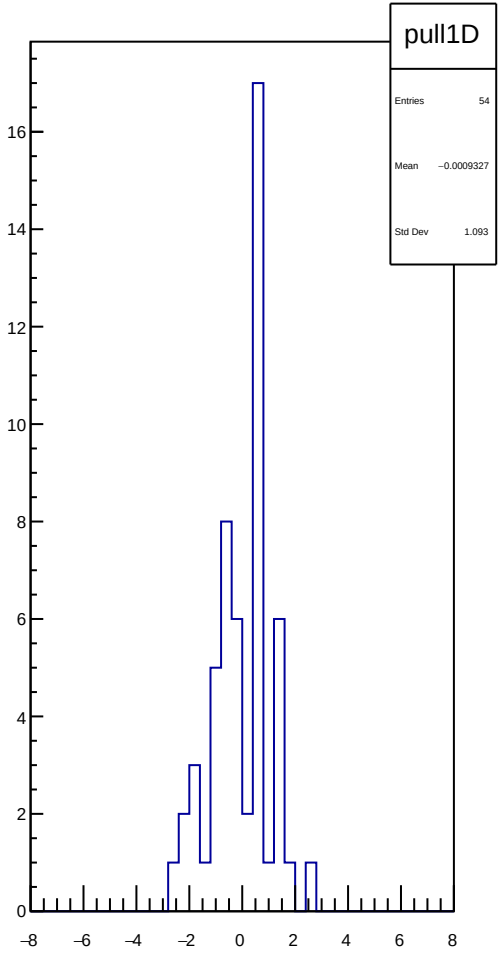

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 442.7 / 53
p0 1454 ± 1.411
1700
1650
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

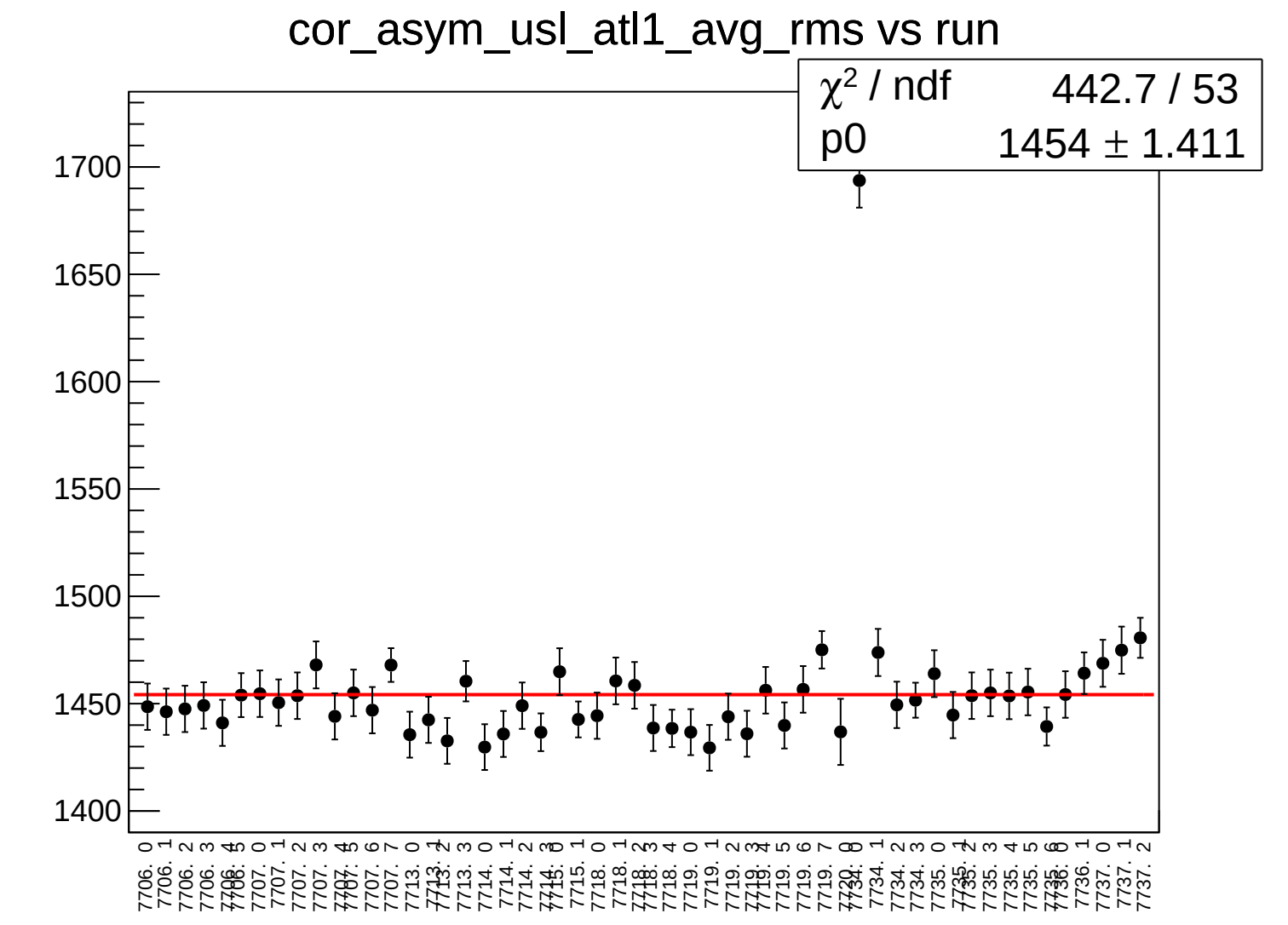

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 52.86 / 53
p0 −420.1± 713.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 32.04
Std Dev 0
2
1
0
−1
−2
−3

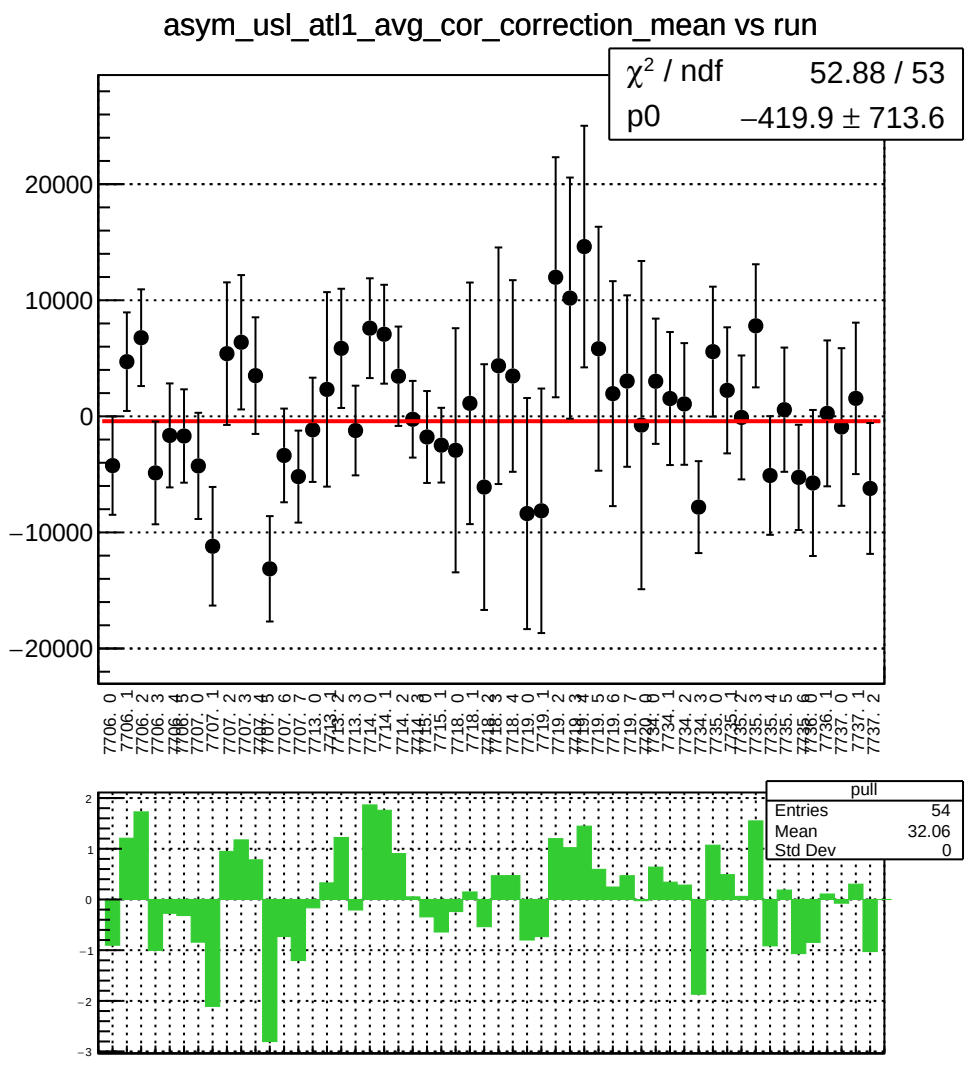

pull1D
Entries 54
Mean 0.06277
Std Dev 0.9874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

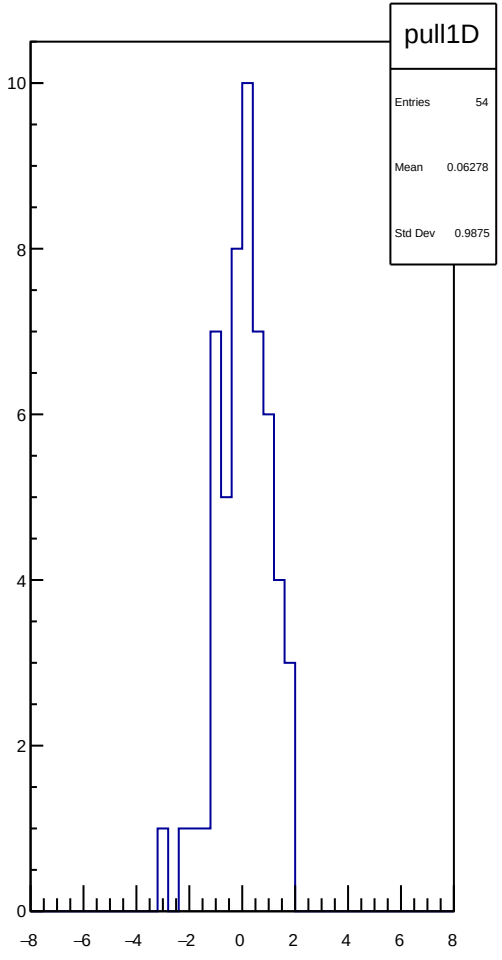

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 8.822e+04 / 53
p0 497.9 ± 0.5046
1000
900
800
700
600
500
400

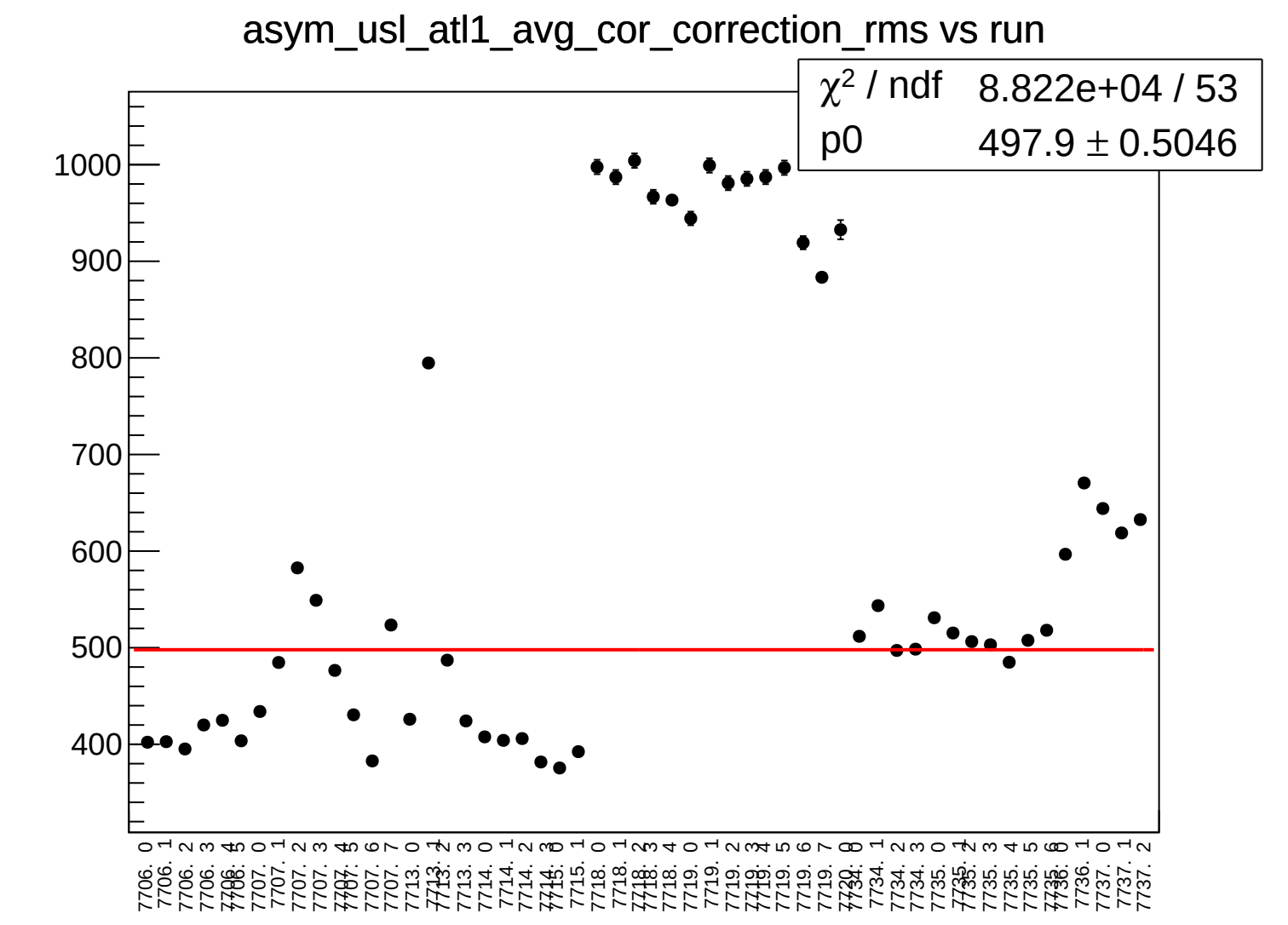

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 64.46 / 53
p0 −988.7 ± 1996
pull
Entries 54
Mean 3915
Std Dev 0

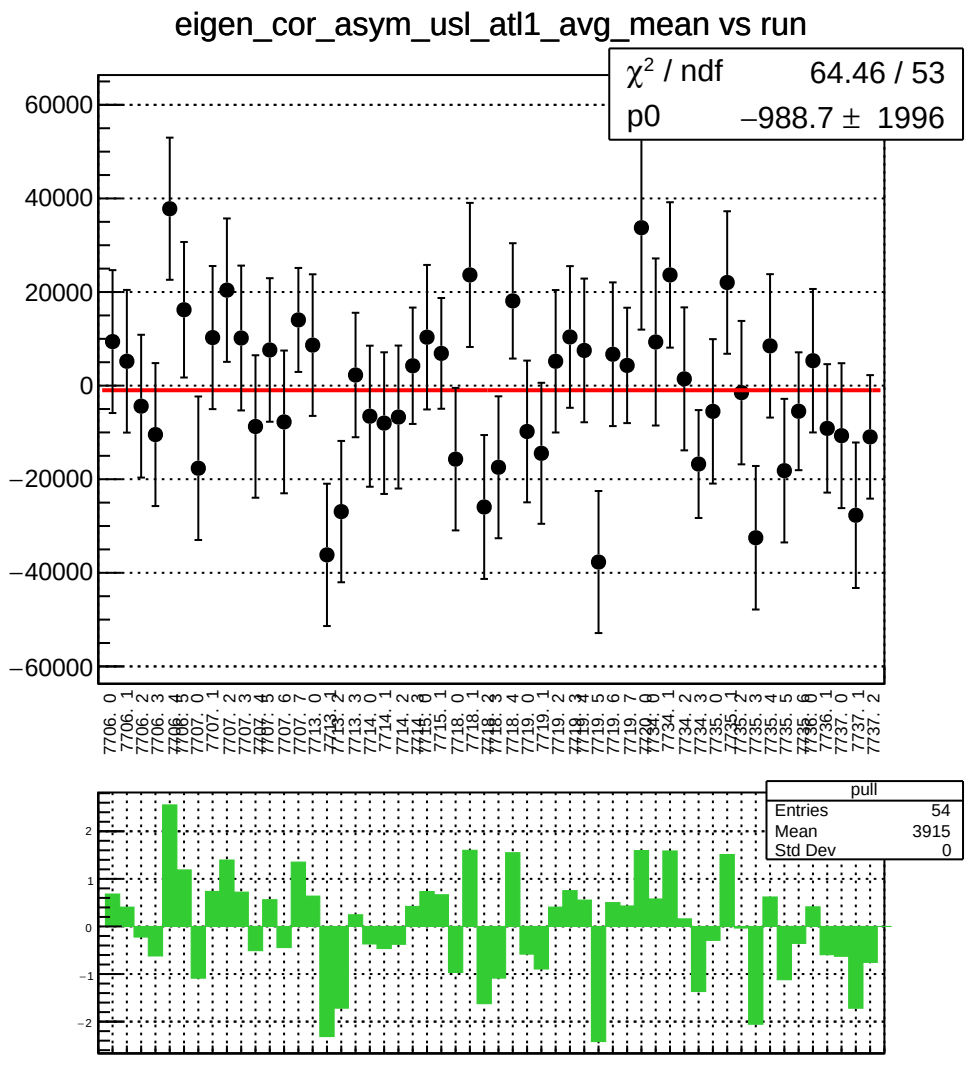

pull1D
Entries 54
Mean −0.0009327
Std Dev 1.093

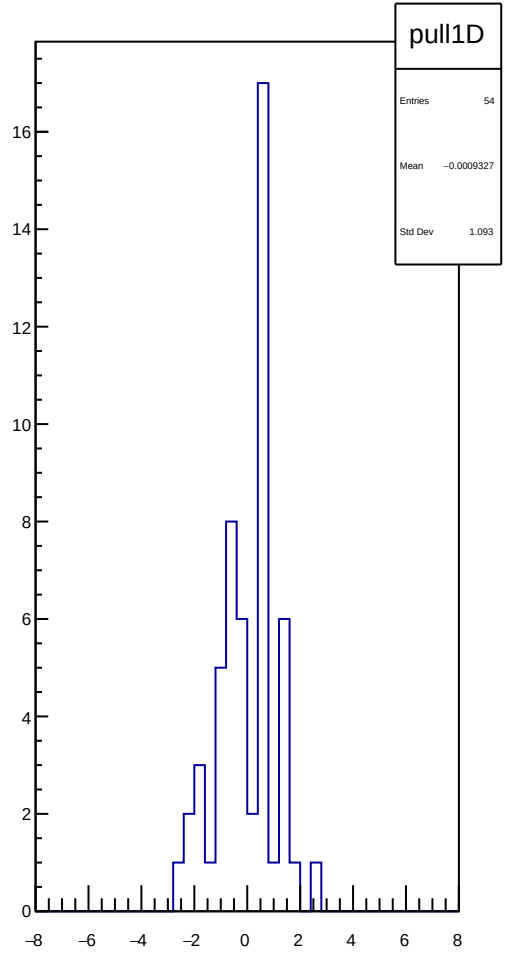

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 442.7 / 53
p0 1454 ± 1.411
1700
1650
1600
1550
1500
1450
1400

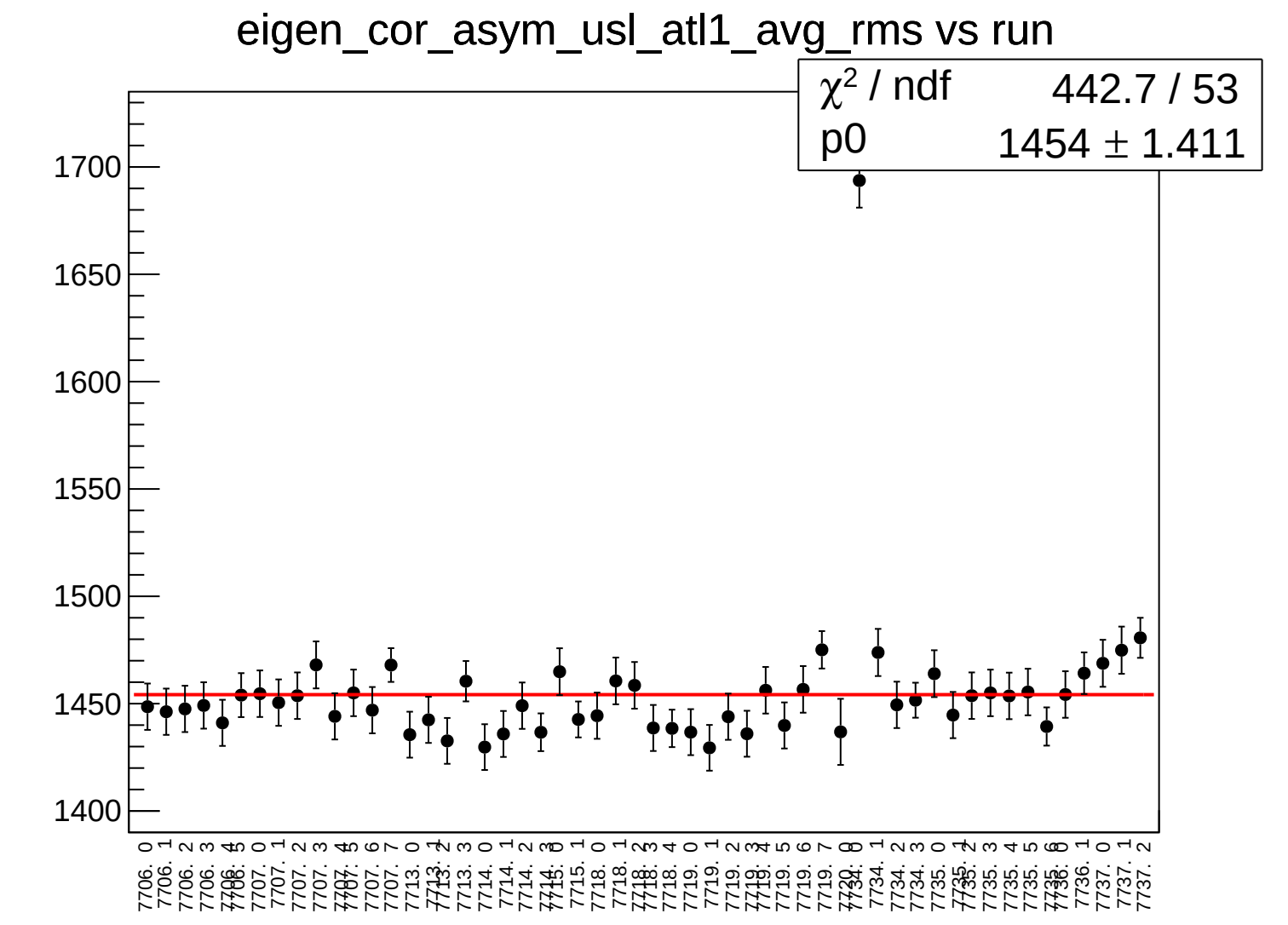

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 52.88 / 53
p0 −419.9 ± 713.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 32.06
Std Dev 0
2
1
0
−1
−2
−3

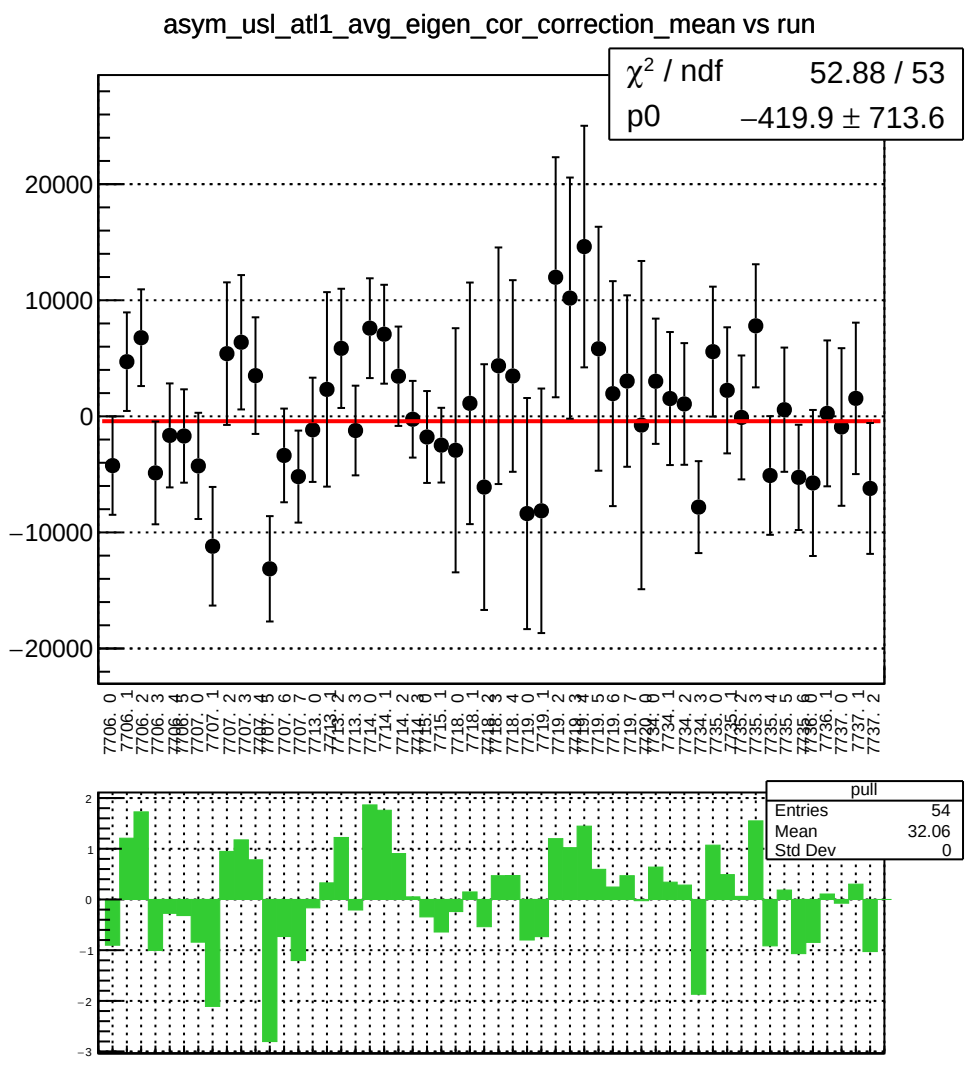

pull1D
Entries 54
Mean 0.06278
Std Dev 0.9875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

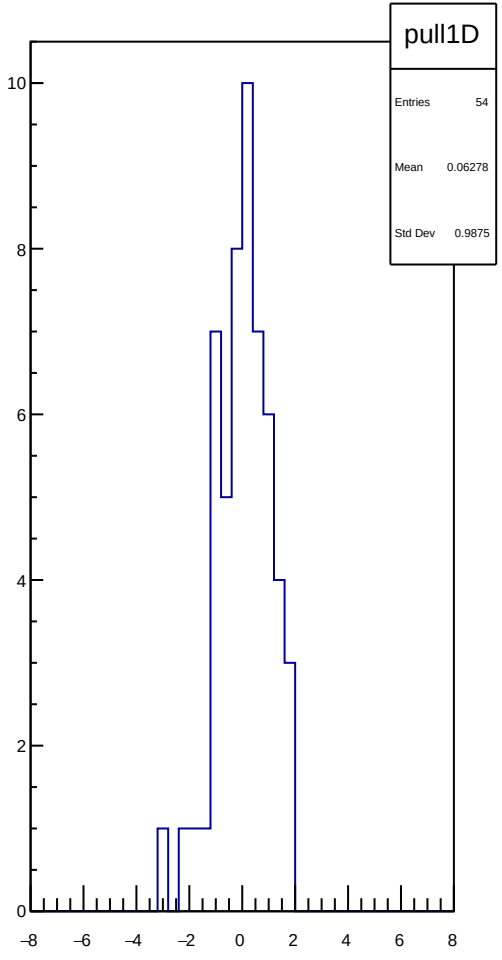

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 8.822e+04 / 53
p0 497.9 ± 0.5046
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

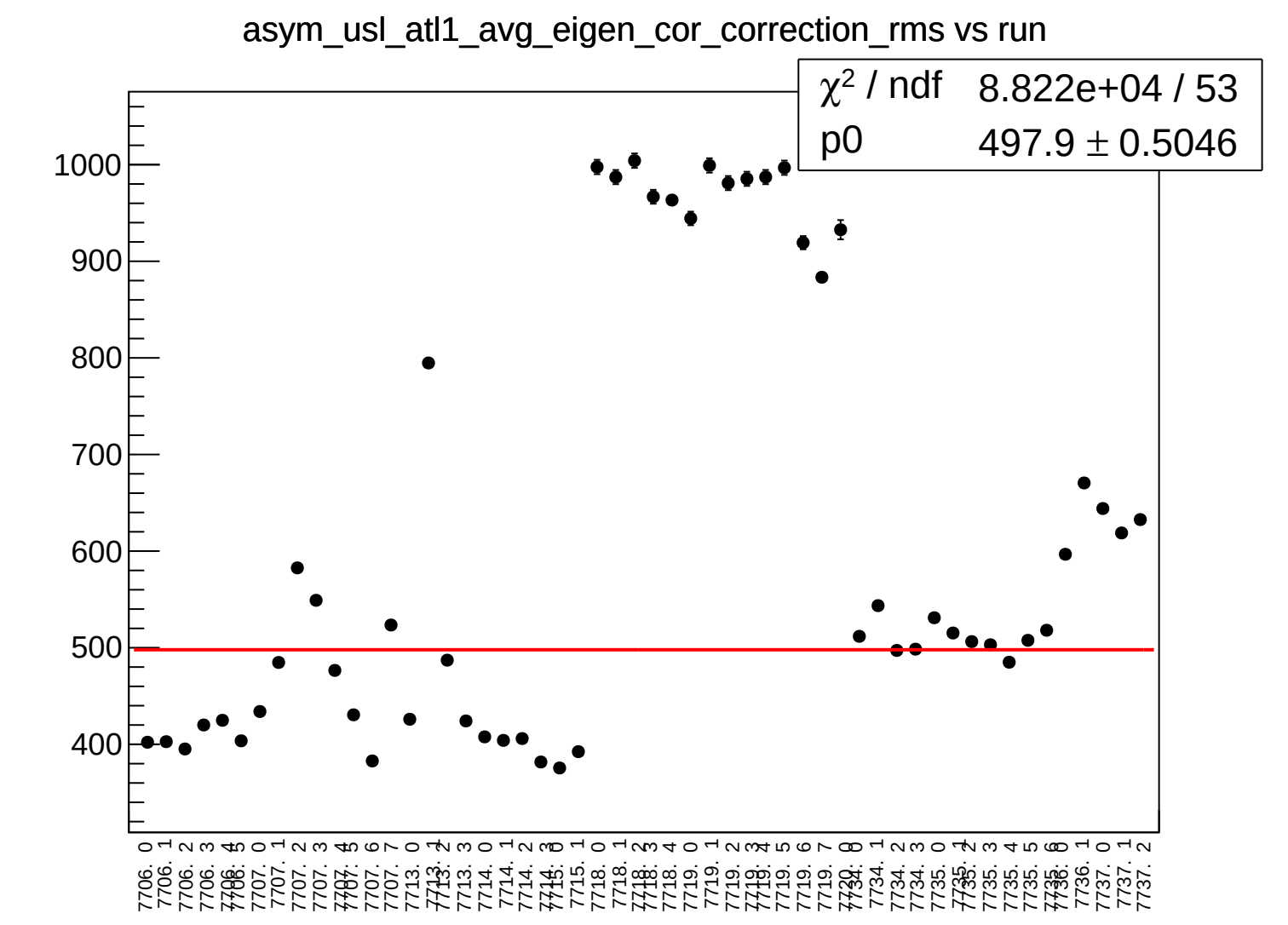

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 64.46 / 53
p0 −988.7 ± 1996
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 3915
Std Dev 0
2
1
0
−1
−2

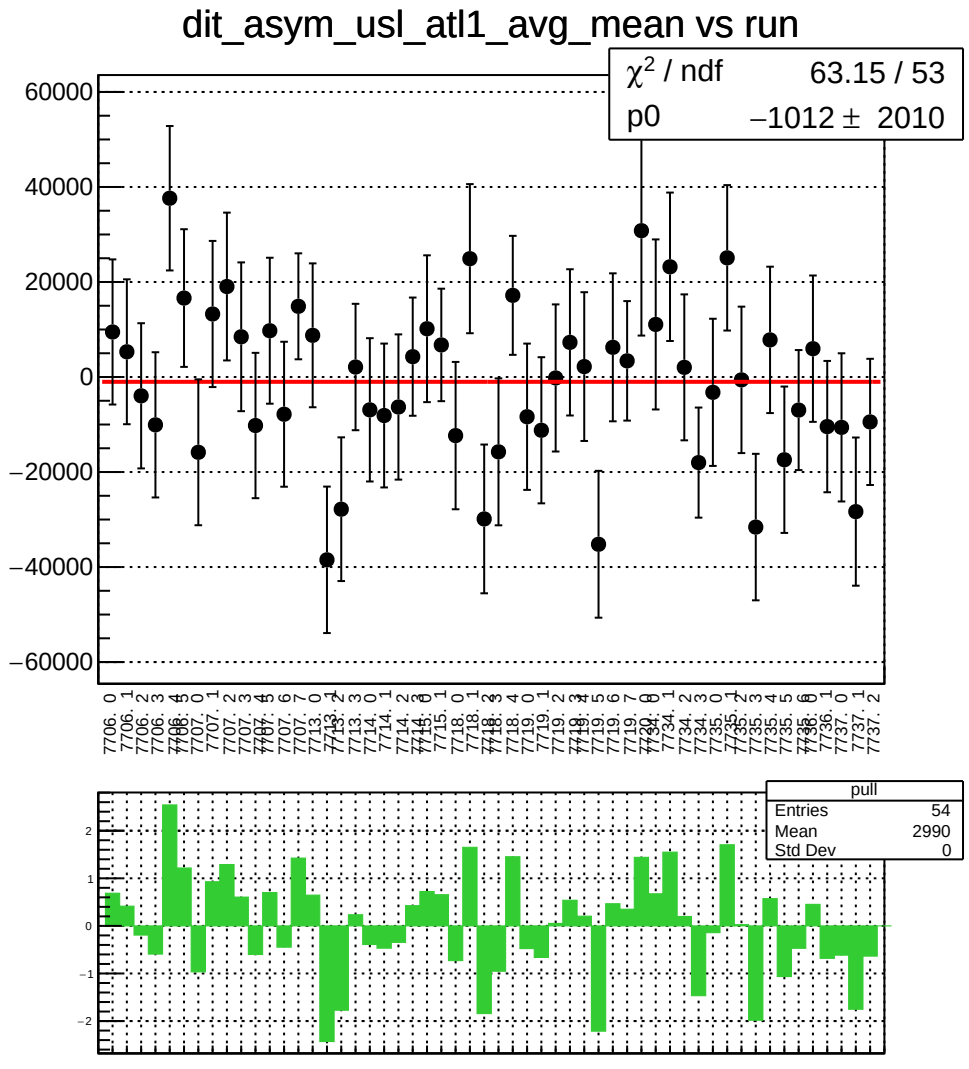

pull1D
Entries 54
Mean −0.0009327
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

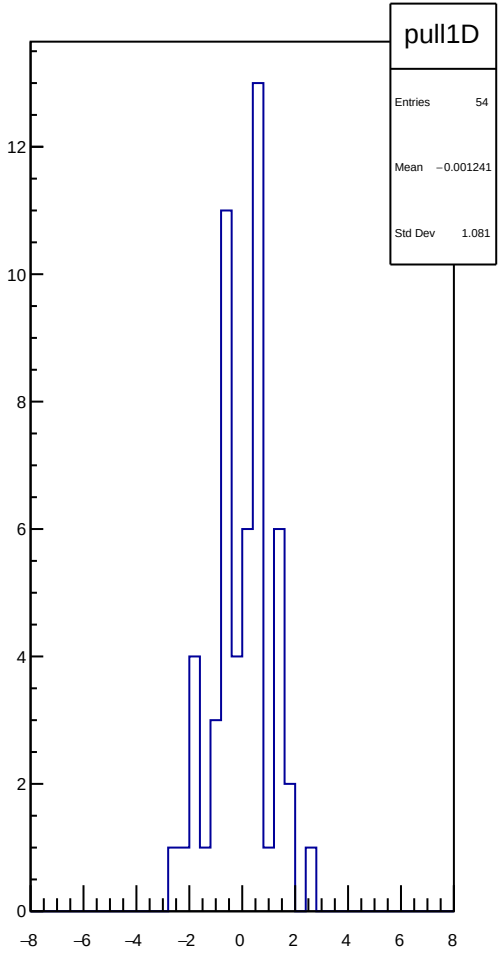

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 442.7 / 53
p0 1454 ± 1.411
1700
1650
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

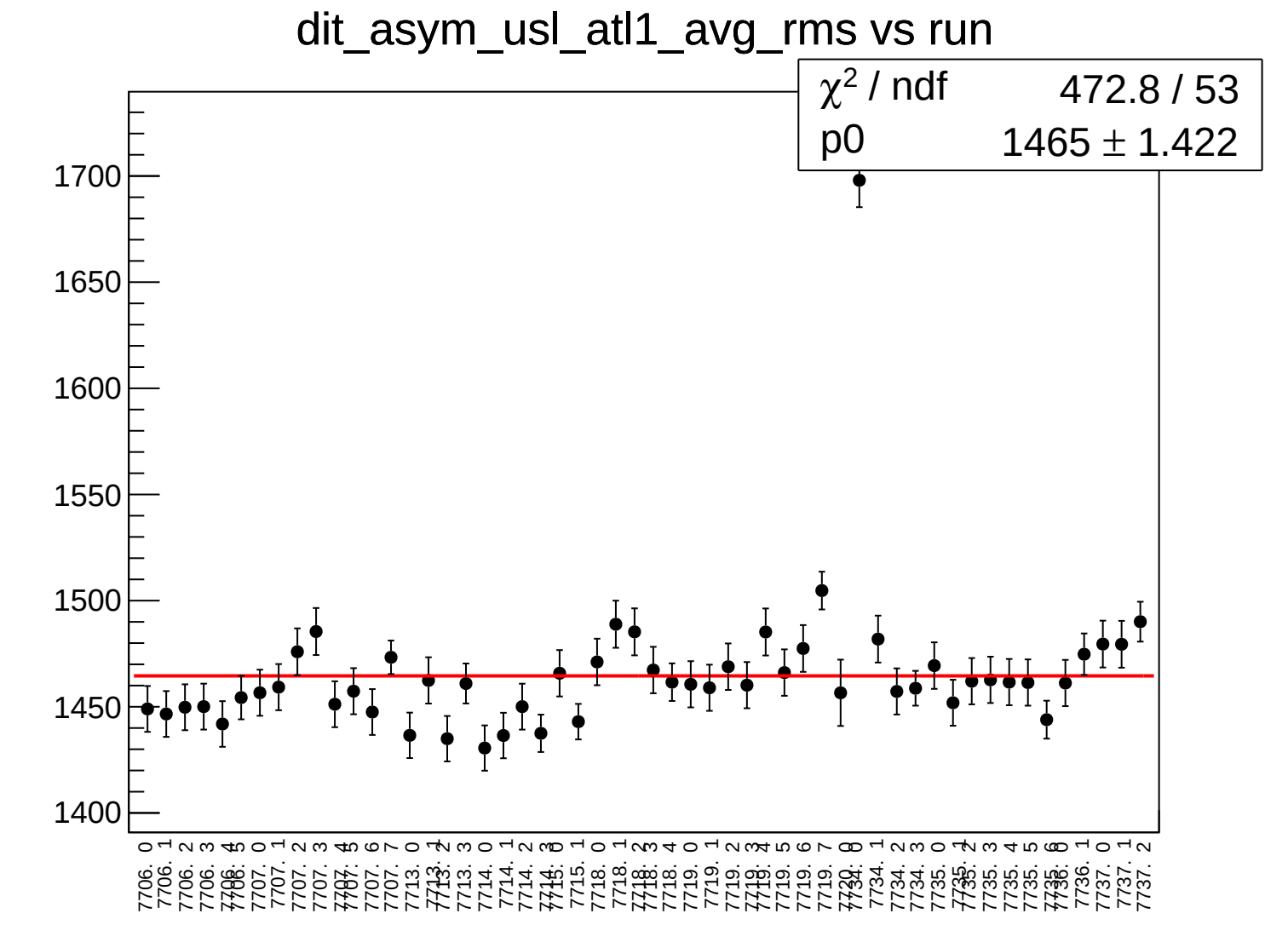

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.88 / 53
p0 −419.9 ± 713.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 32.06
Std Dev 0
2
1
0
−1
−2
−3

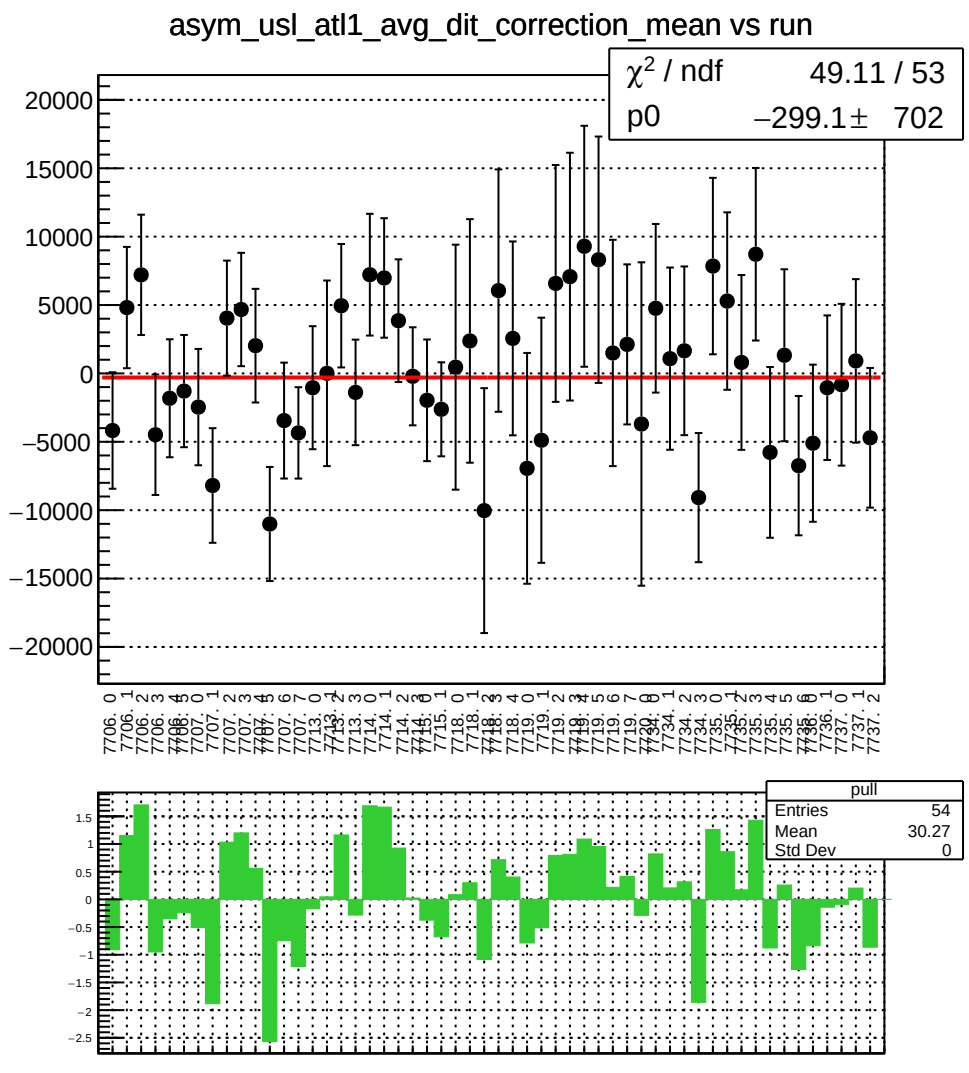

pull1D
Entries 54
Mean 0.06278
Std Dev 0.9875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

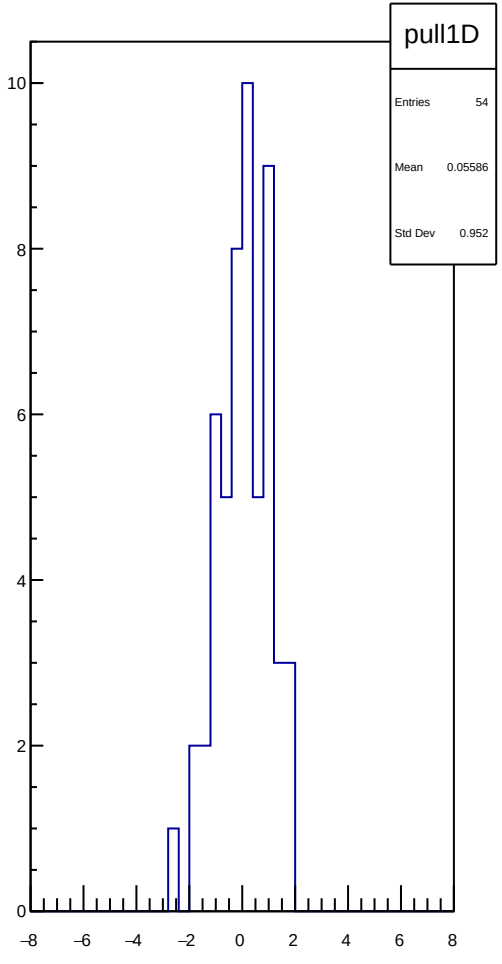

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.822e+04 / 53
p0 497.9 ± 0.5046
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

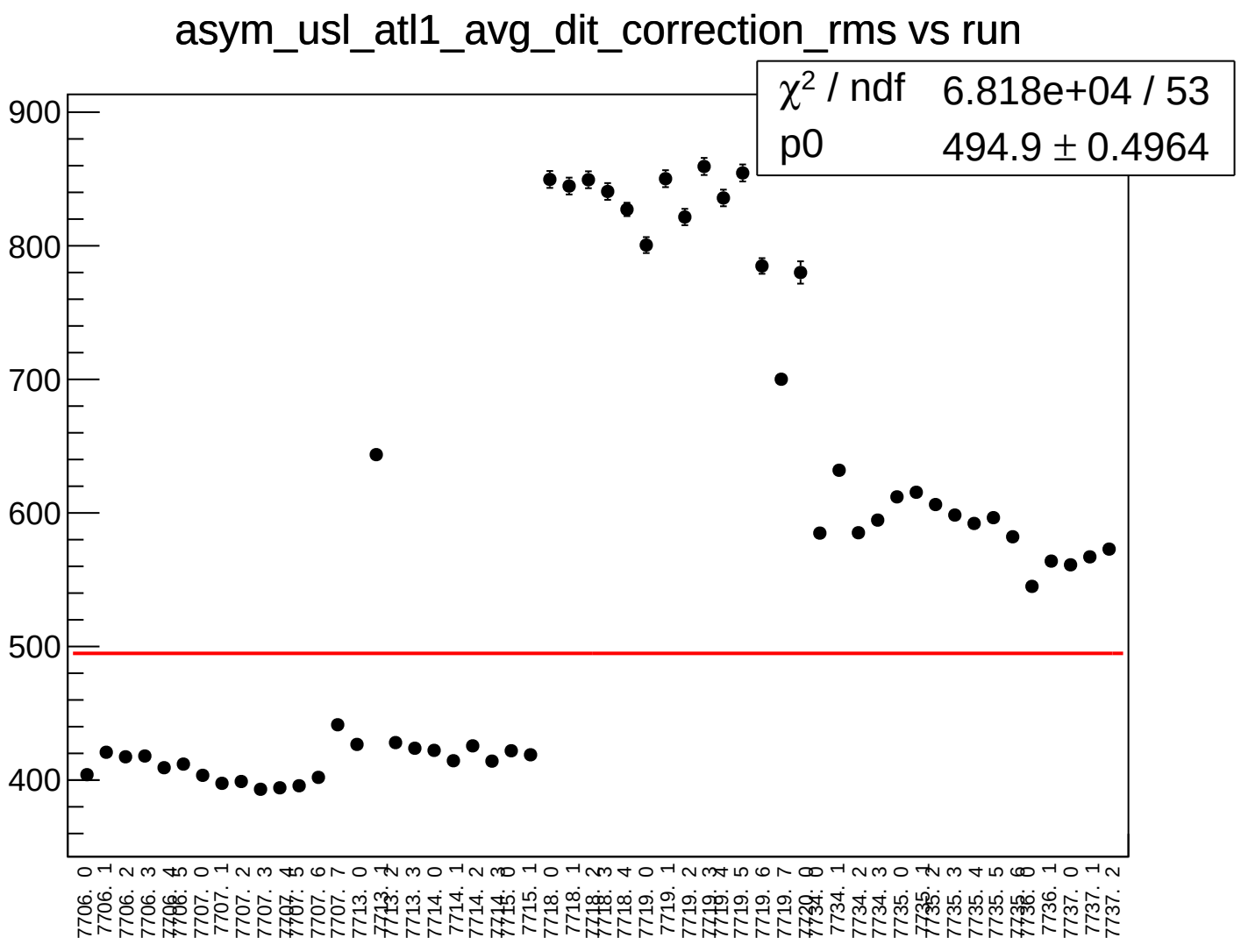

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 63.15 / 53
p0 −1012 ± 2010
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2990
Std Dev 0
2
1
0
−1
−2

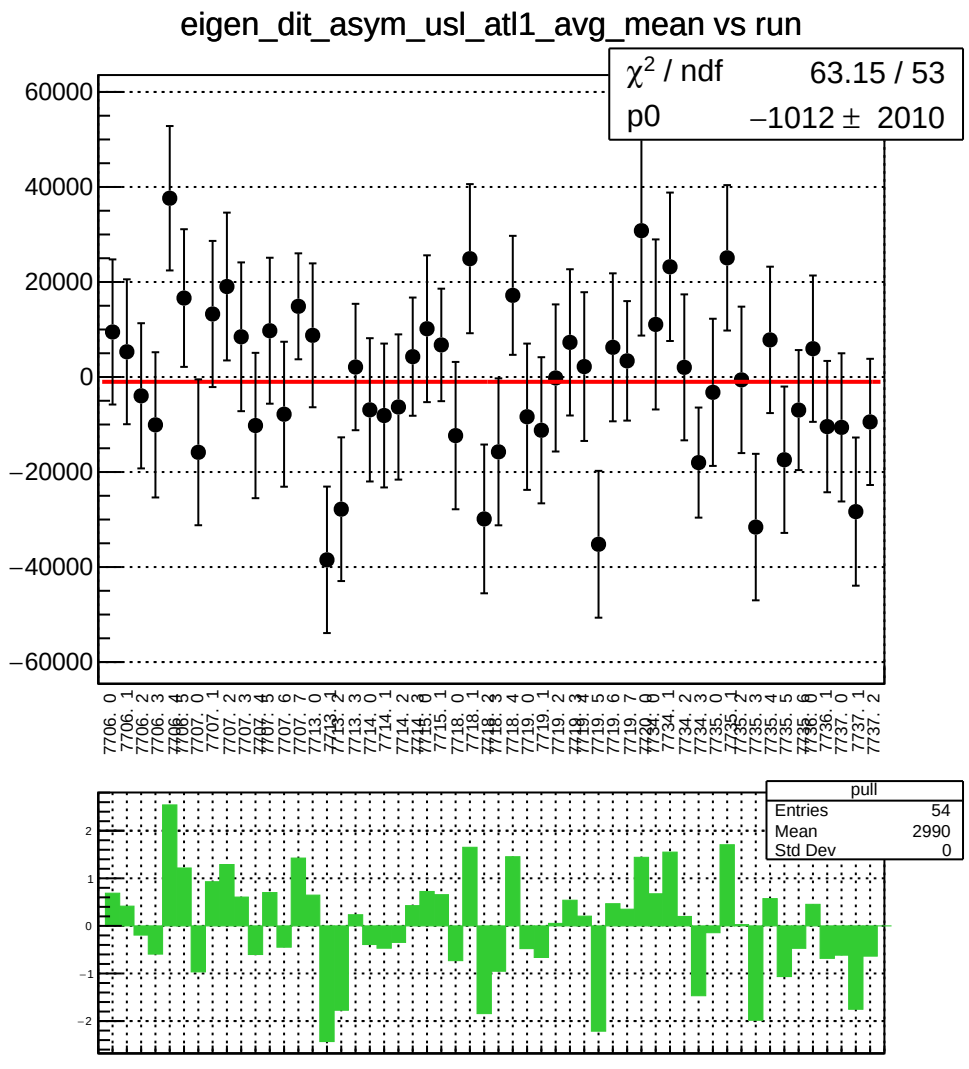

pull1D
Entries 54
Mean −0.001241
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

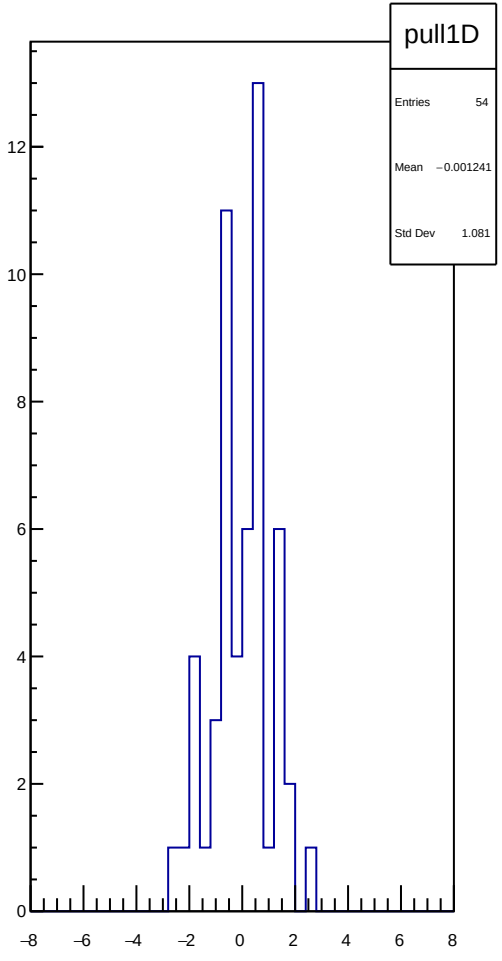

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 472.8 / 53
p0 1465 ± 1.422
1700
1650
1600
1550
1500
1450
1400

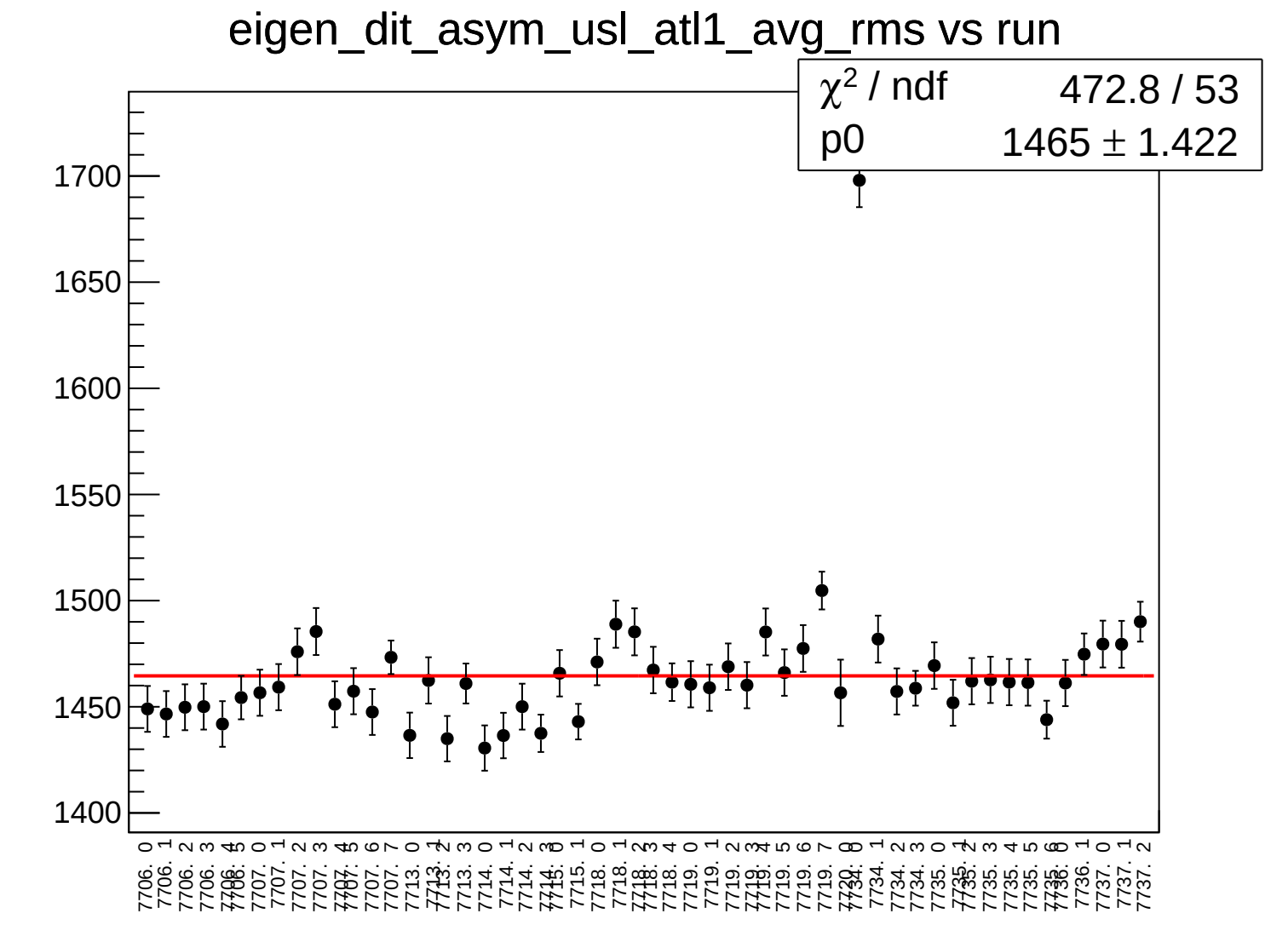

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 49.11 / 53
p0 −299.1± 702
pull
Entries 54
Mean 30.27
Std Dev 0

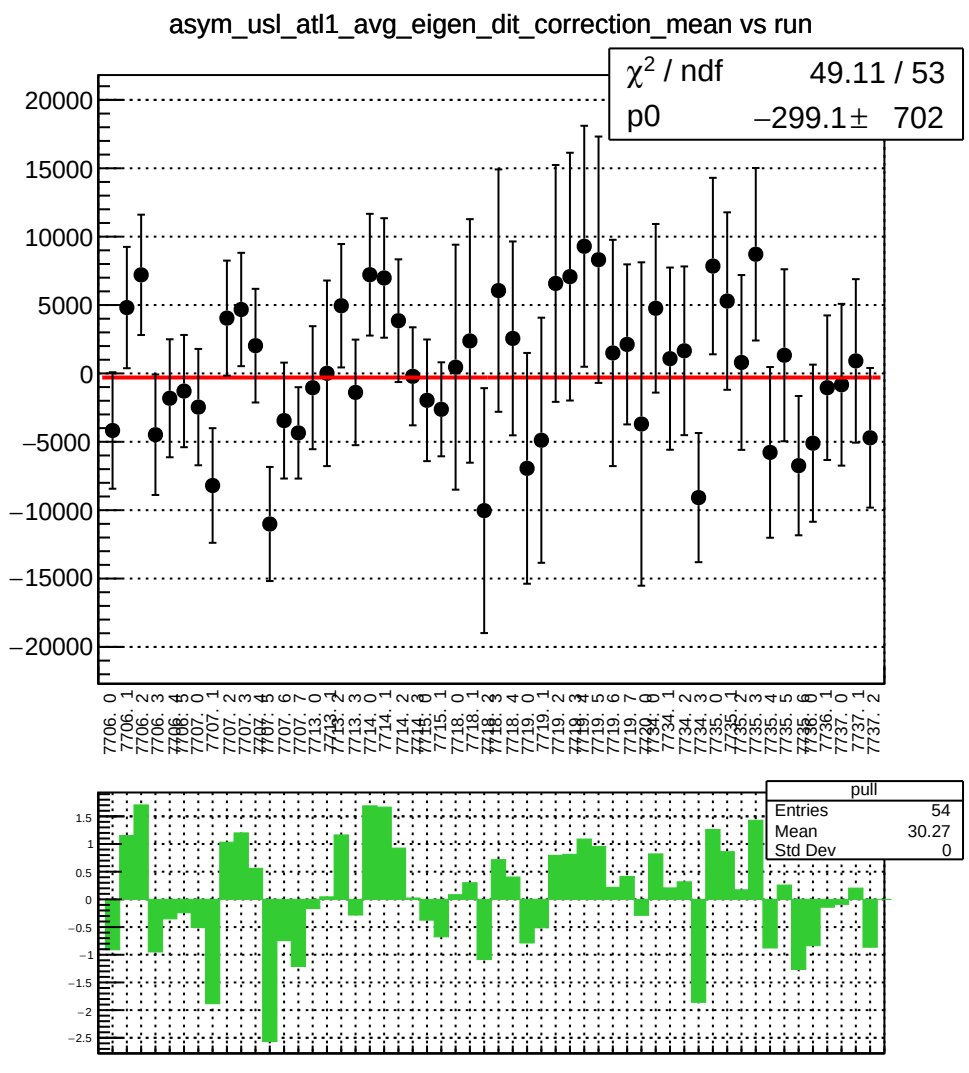

pull1D
Entries 54
Mean 0.05586
Std Dev 0.952

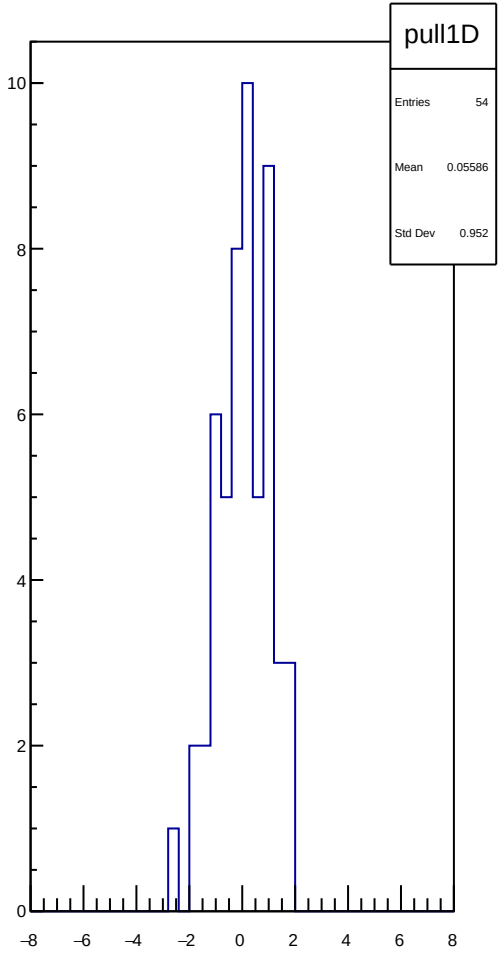

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 6.818e+04 / 53
p0 494.9 ± 0.4964
900
800
700
600
500
400

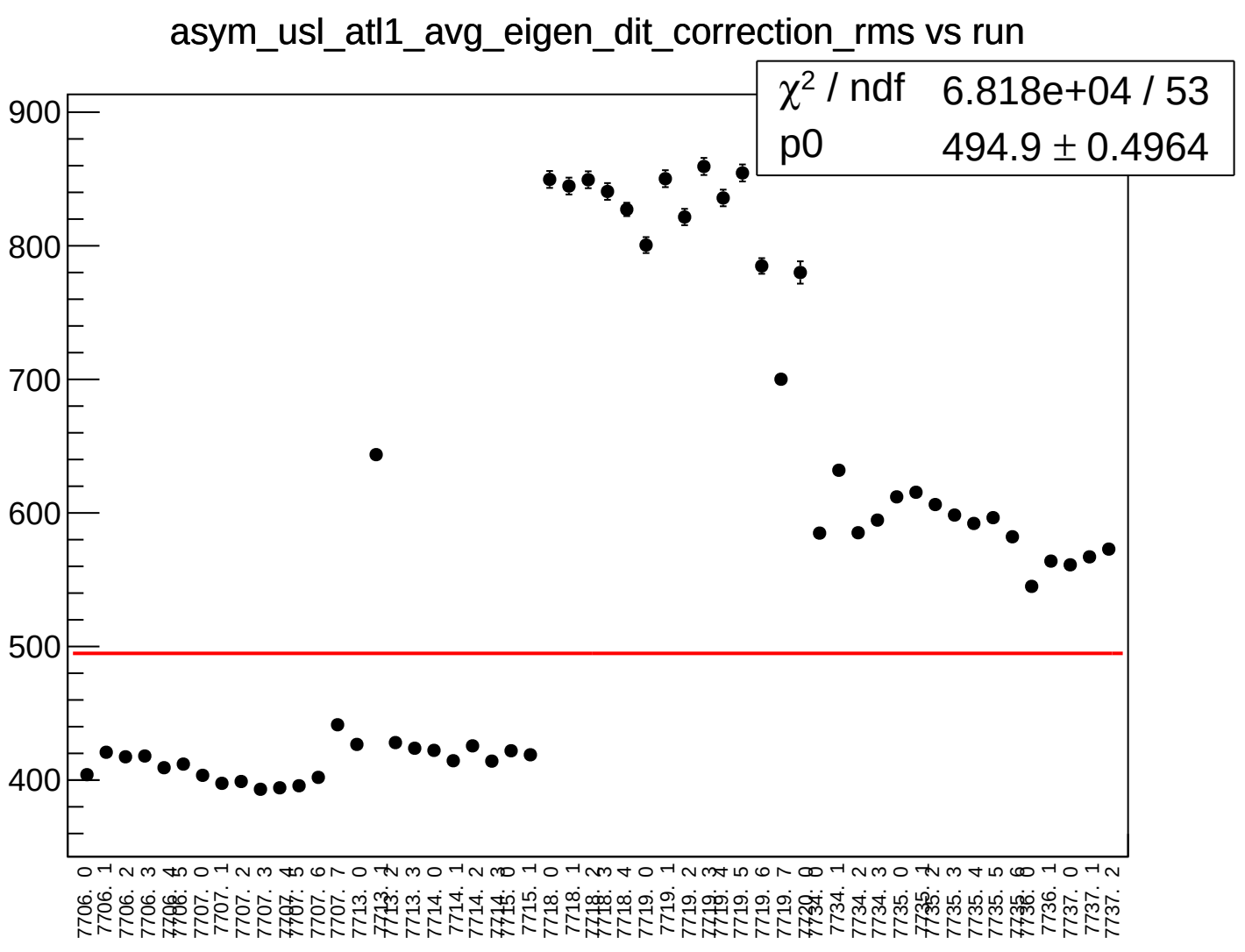

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 63.15 / 53
p0 −1012 ± 2010
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2990
Std Dev 0
2
1
0
−1
−2

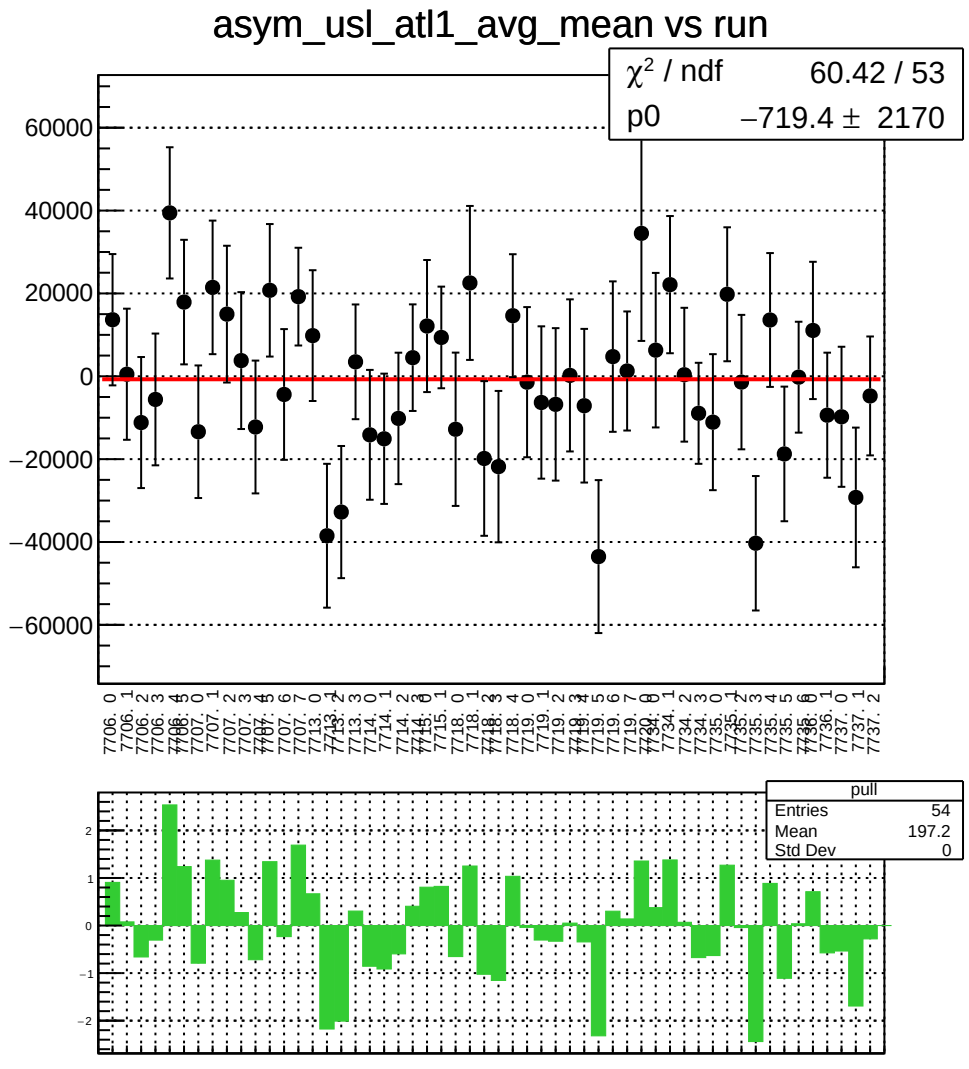

pull1D
Entries 54
Mean −0.001241
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

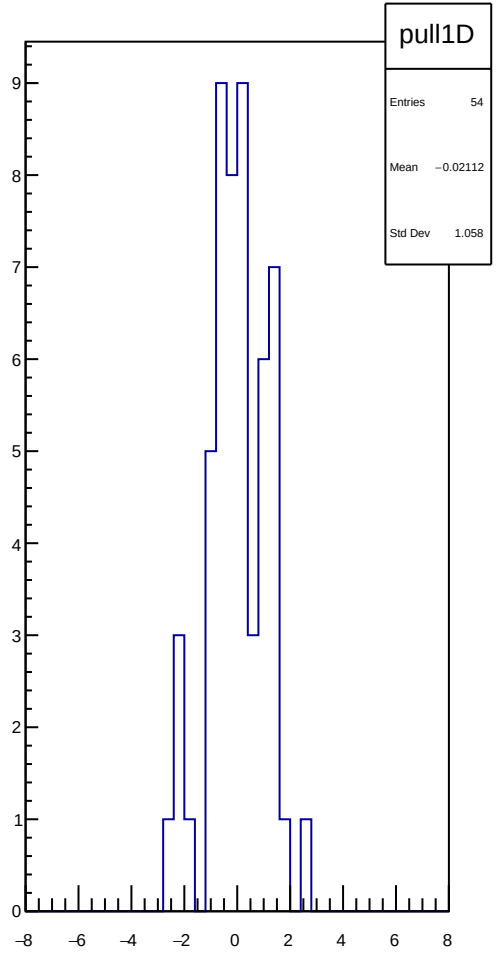

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 472.8 / 53
p0 1465 ± 1.422
1700
1650
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

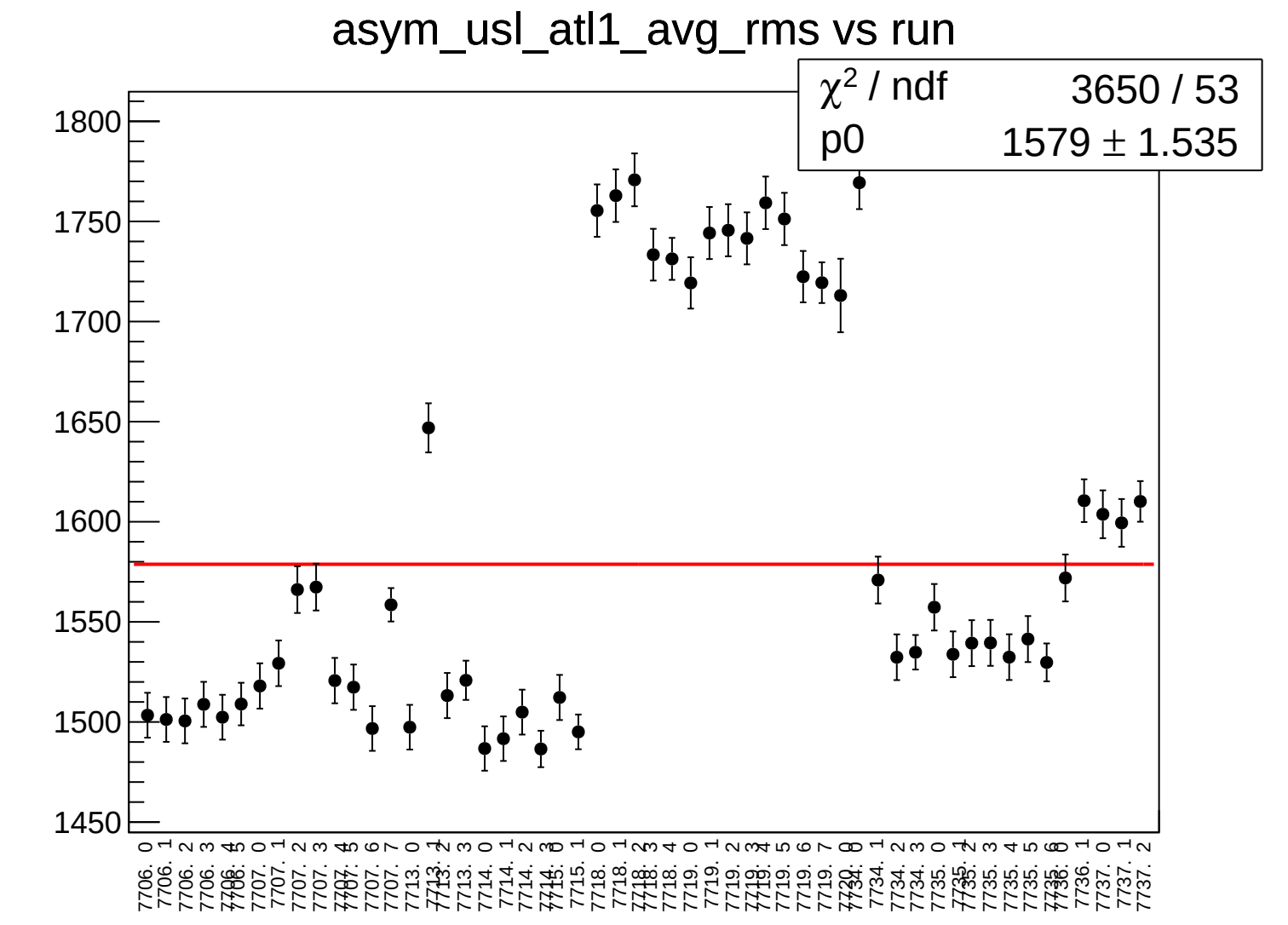

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.11 / 53
p0 −299.1± 702
pull
Entries 54
Mean 30.27
Std Dev 0

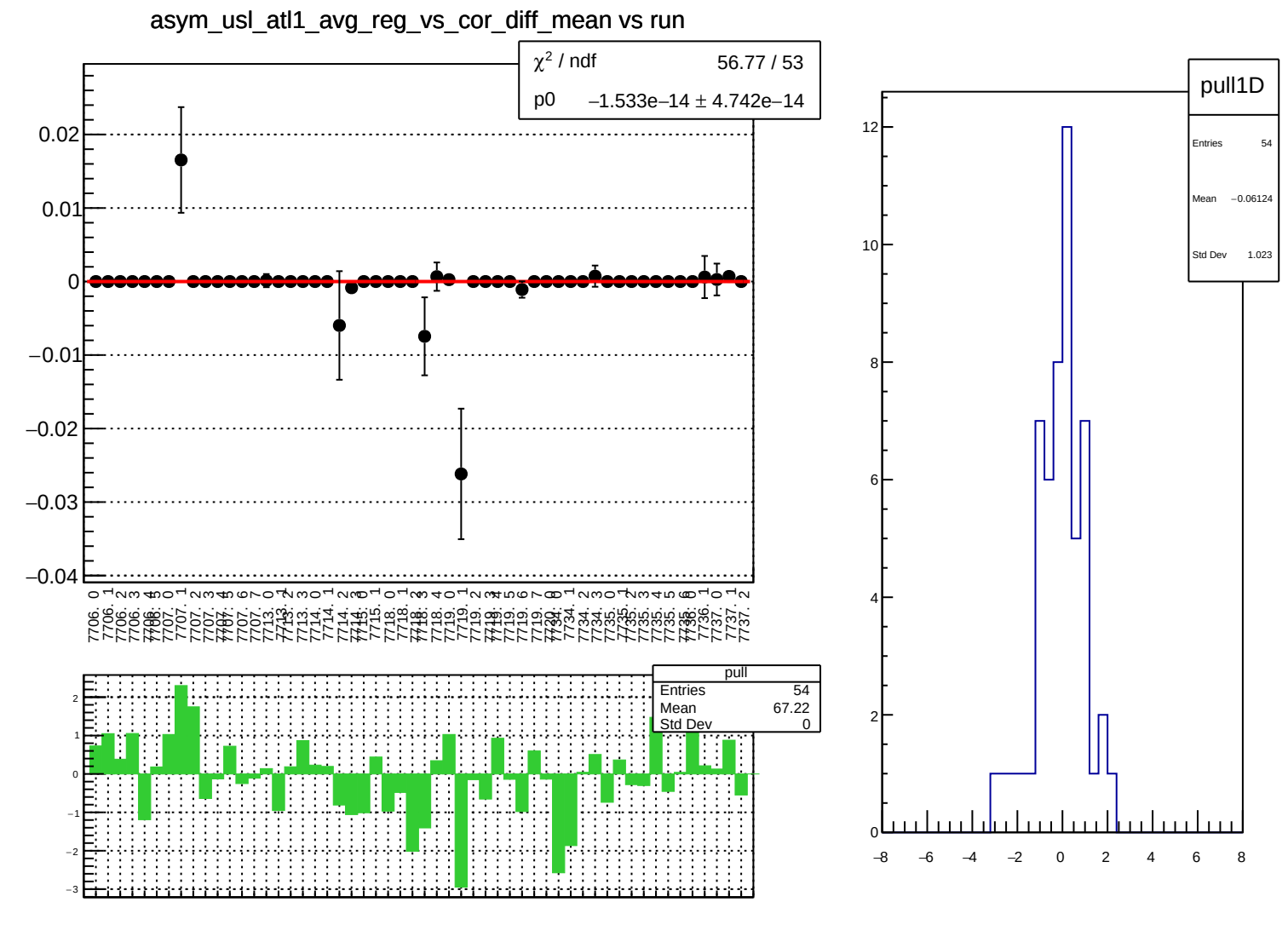

pull1D
Entries 54
Mean 0.05586
Std Dev 0.952

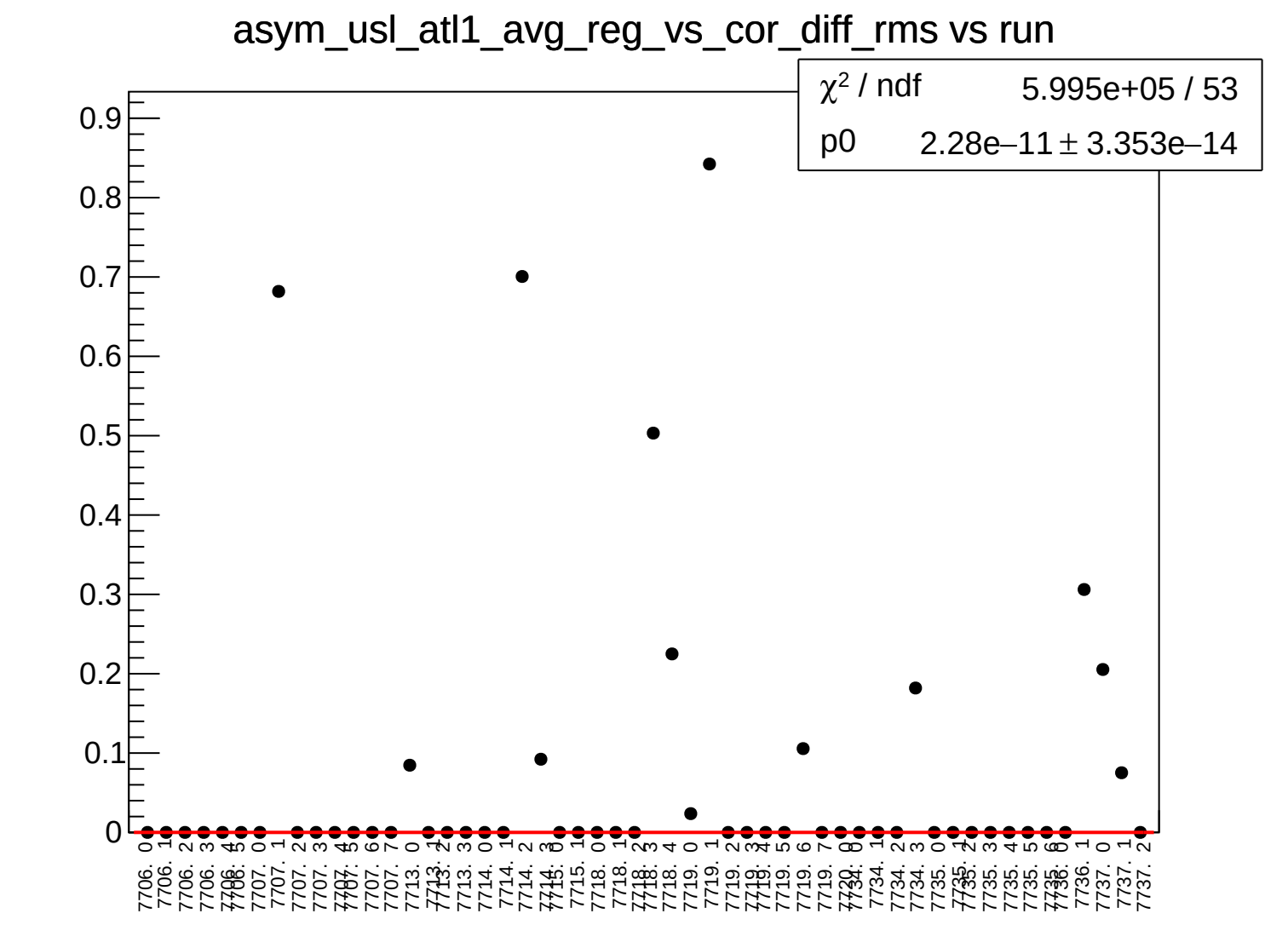

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.818e+04 / 53
p0 494.9 ± 0.4964
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

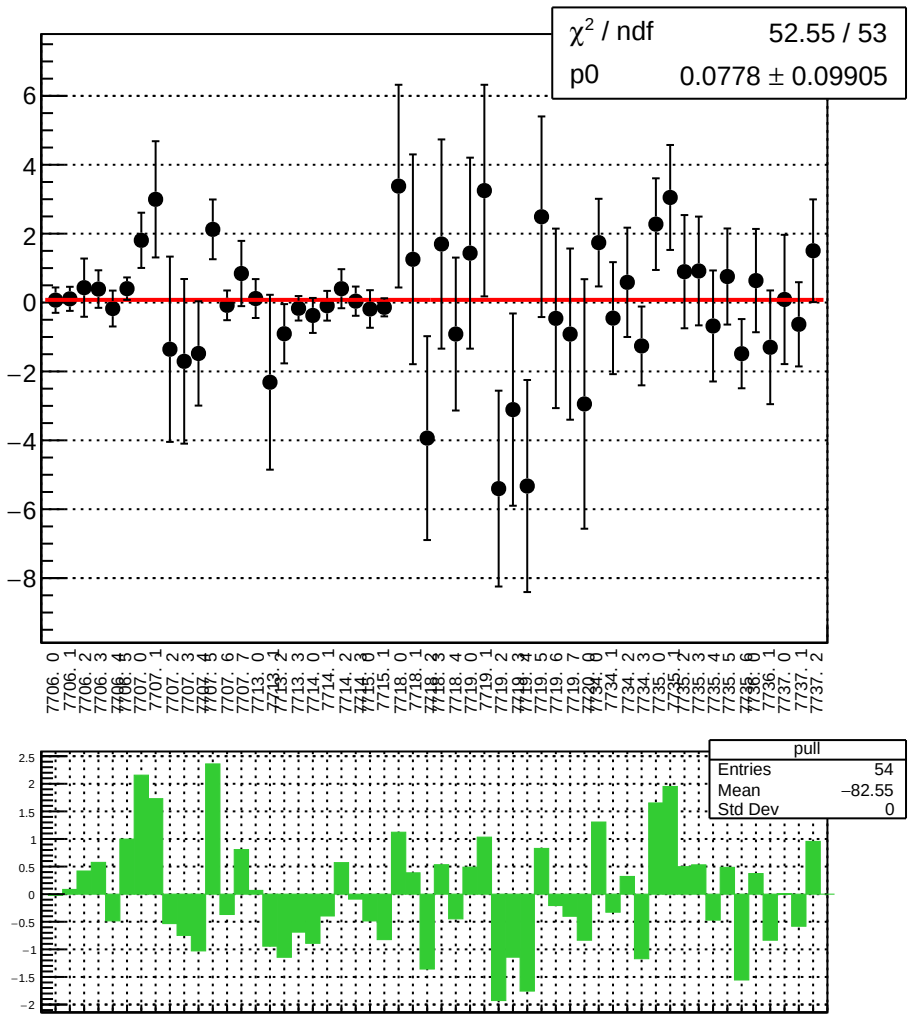

asym_usl_atl1_avg_mean vs run
χ² / ndf 60.42 / 53
p0 −719.4 ± 2170
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 197.2
Std Dev 0
2
1
0
−1
−2

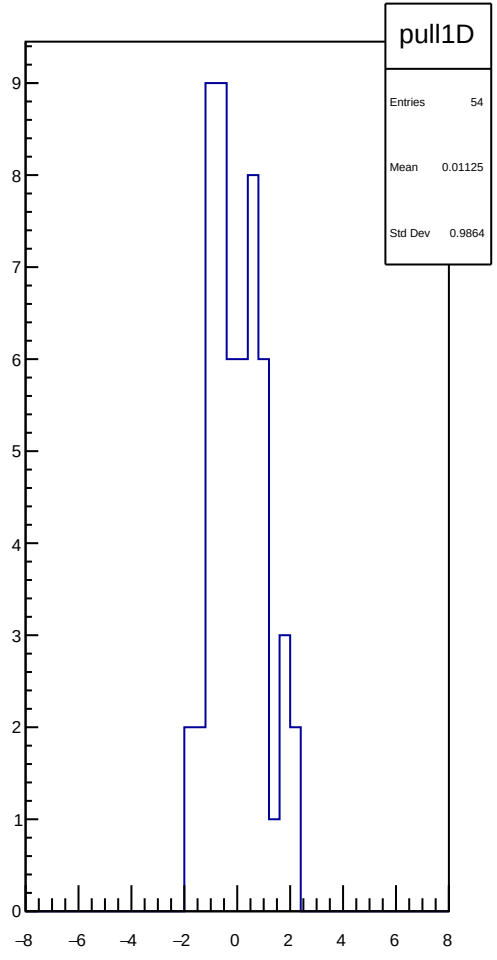

pull1D
Entries 54
Mean −0.02112
Std Dev 1.058
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

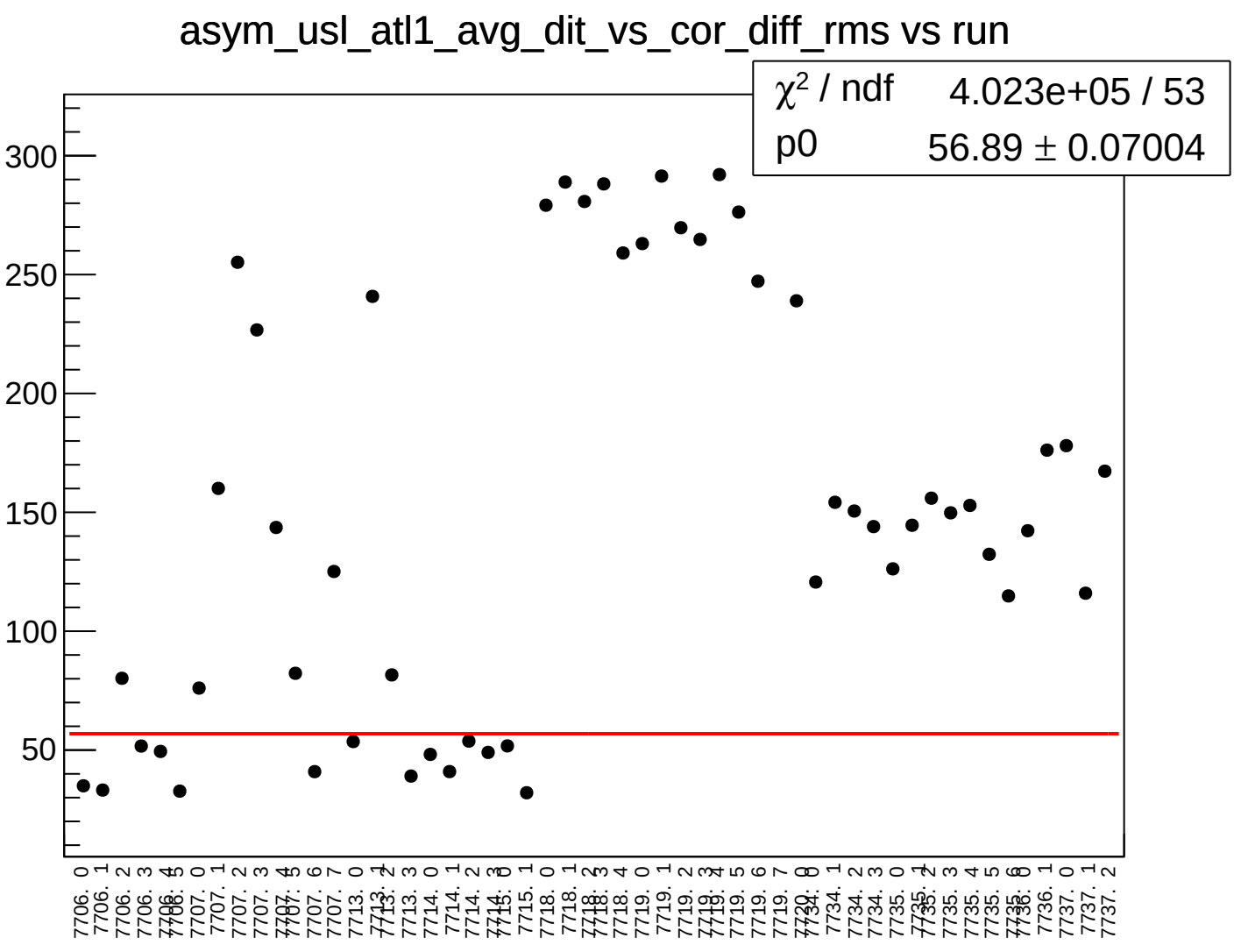

asym_usl_atl1_avg_rms vs run
χ² / ndf 3650 / 53
p0 1579 ± 1.535
1800
1750
1700
1650
1600
1550
1500
1450

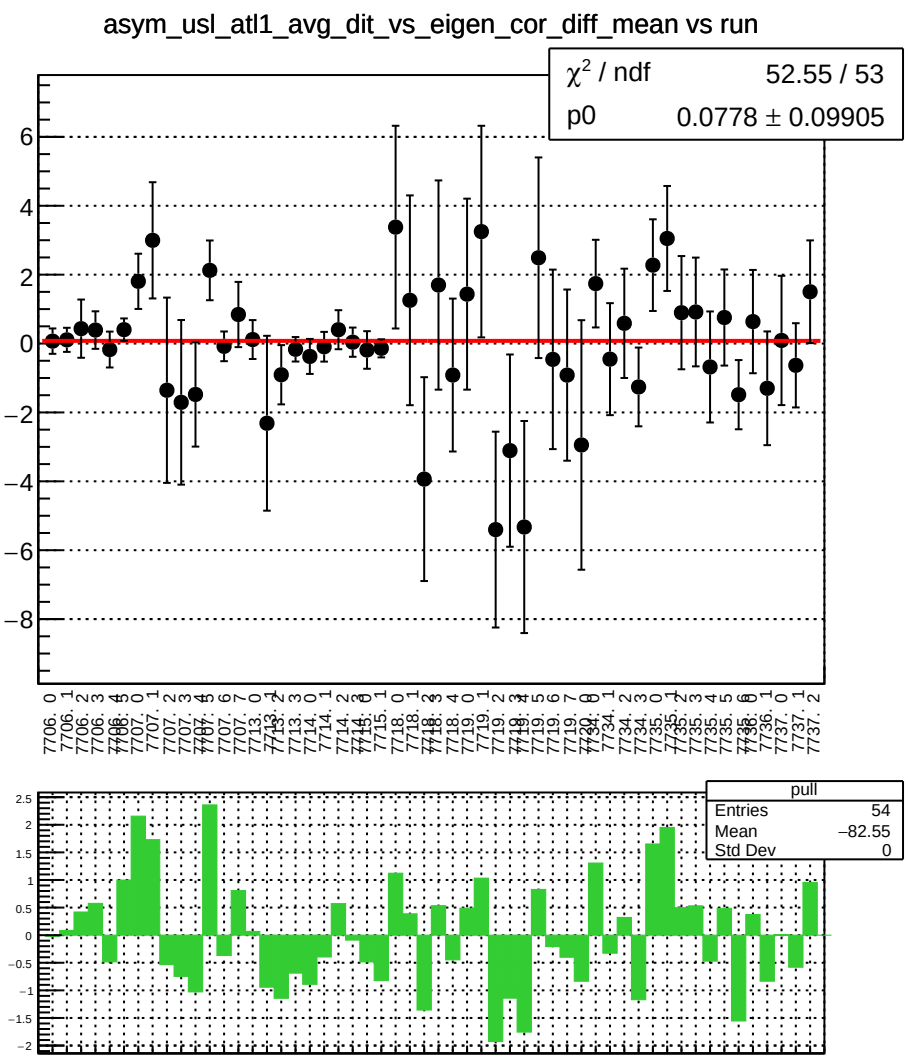

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.77 / 53
p0 −1.533e−14 ± 4.742e−14
pull
Entries 54
Mean 67.22
Std Dev 0
pull1D
Entries 54
Mean −0.06124
Std Dev 1.023

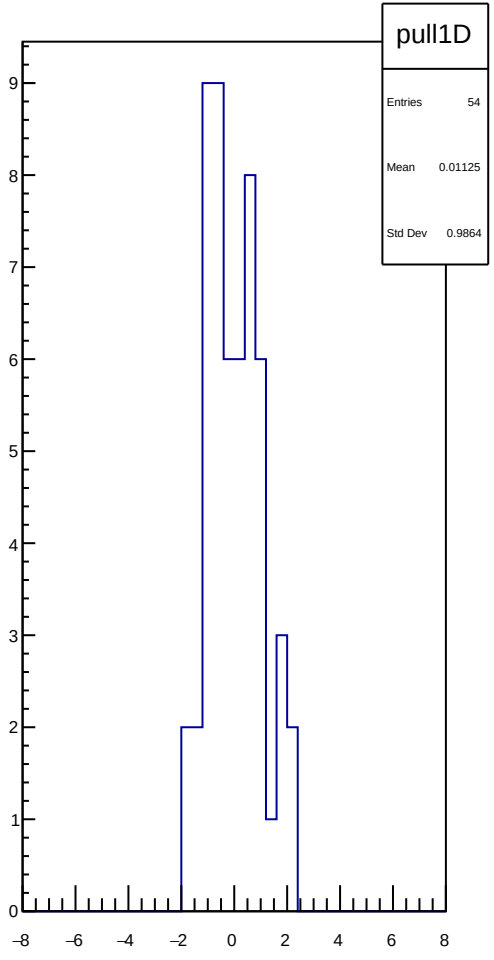

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.995e+05 / 53
p0 2.28e−11 ± 3.353e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

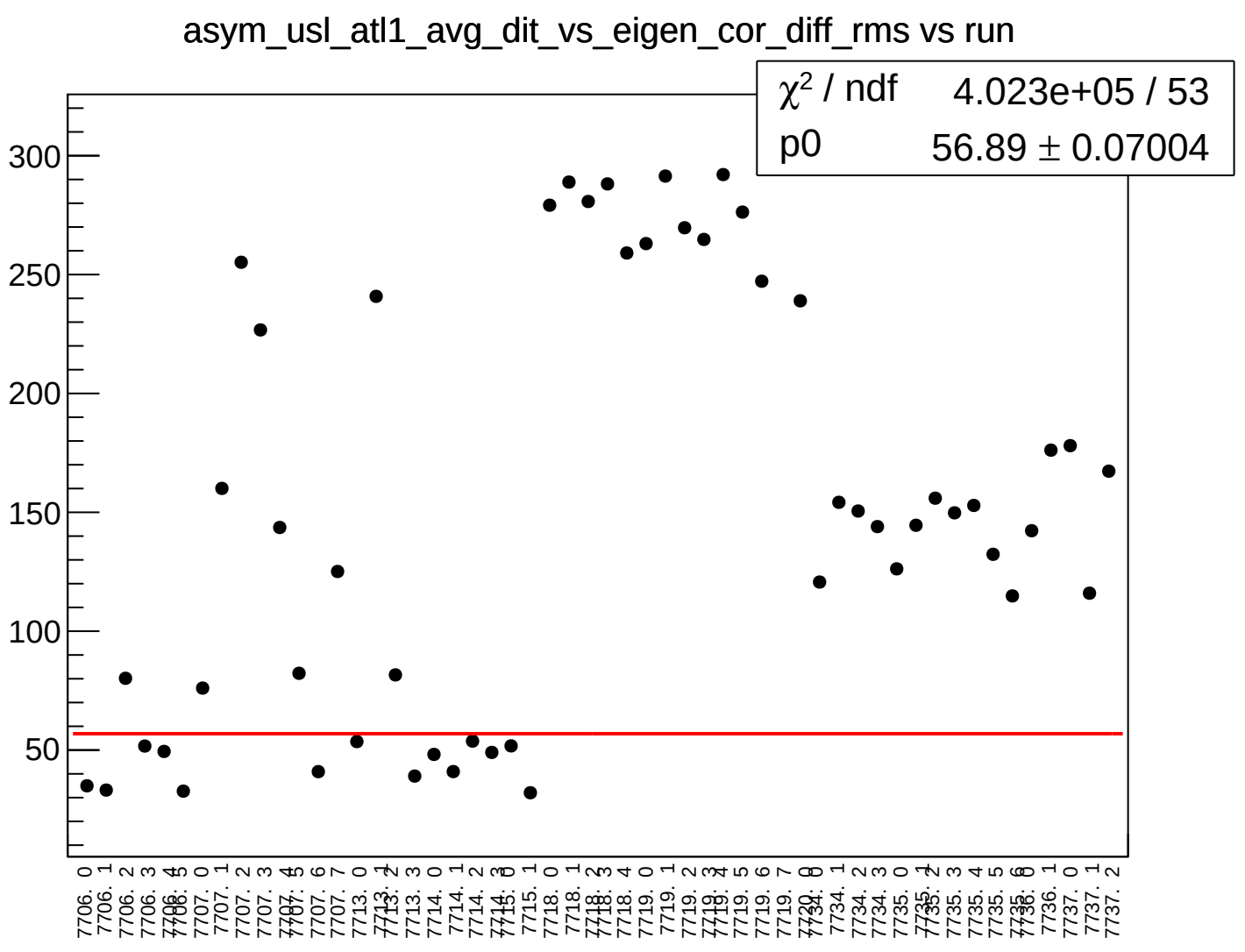

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.55 / 53
p0 0.0778 ± 0.09905
pull
Entries 54
Mean −82.55
Std Dev 0

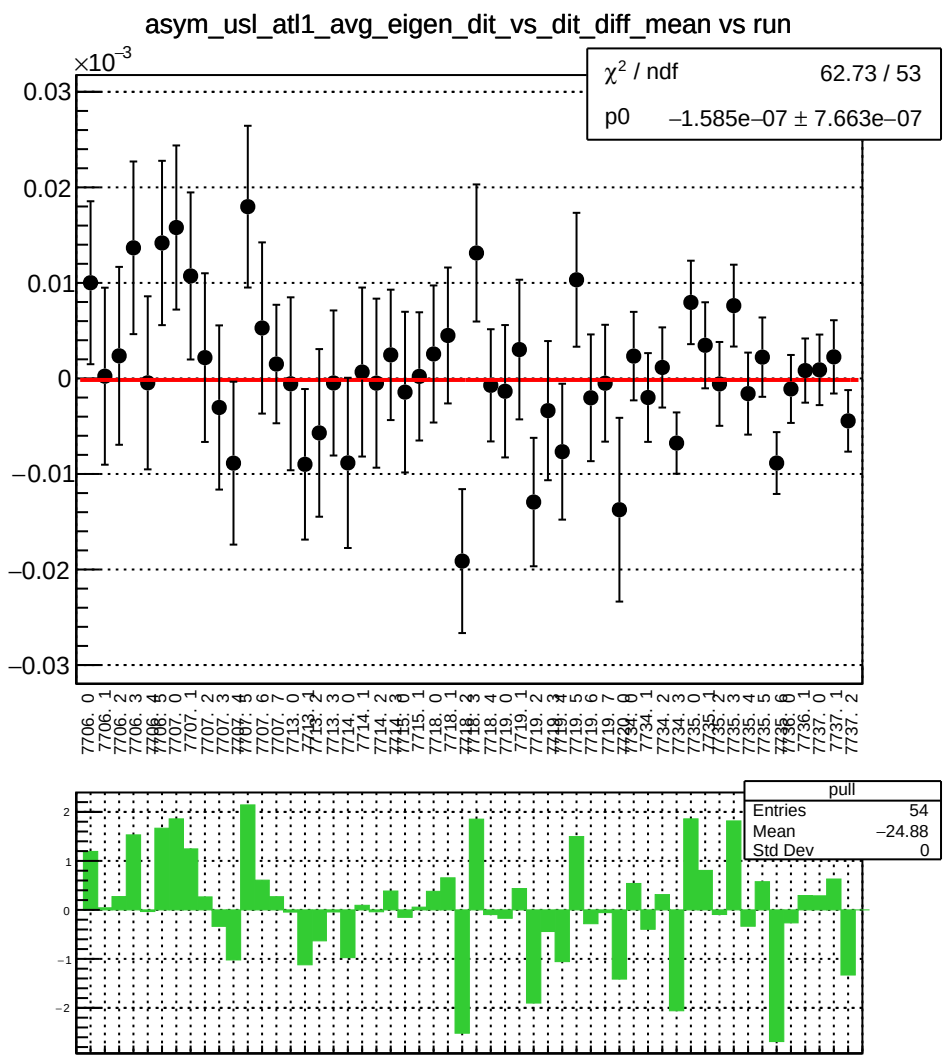

pull1D
Entries 54
Mean 0.01125
Std Dev 0.9864

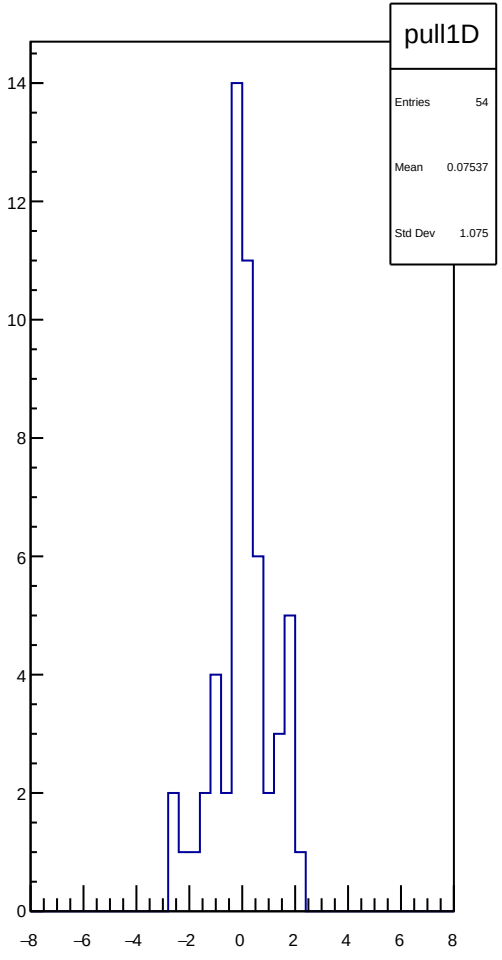

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.023e+05 / 53
p0 56.89 ± 0.07004
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

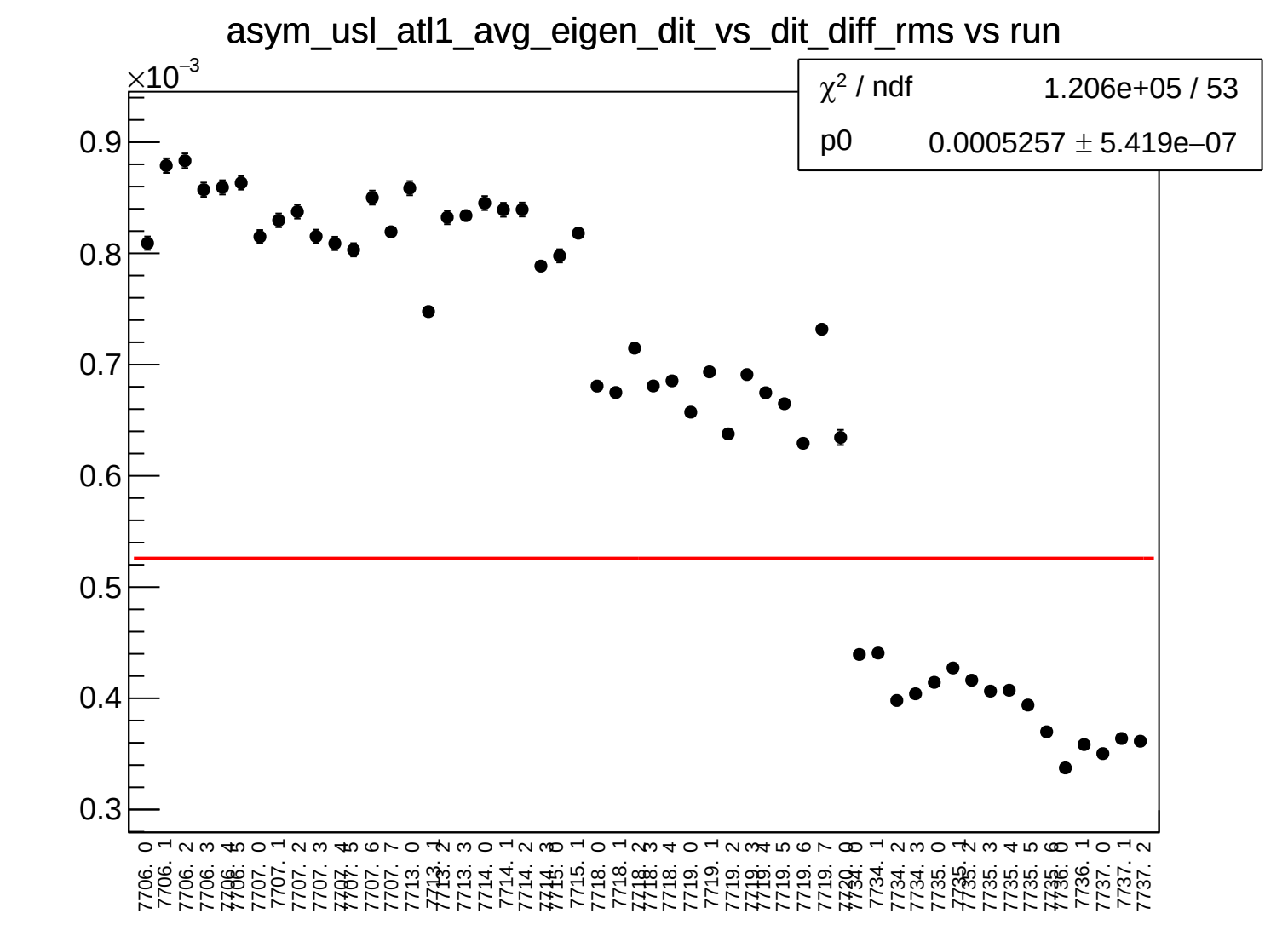

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.55 / 53
p0 0.0778 ± 0.09905
pull
Entries 54
Mean −82.55
Std Dev 0

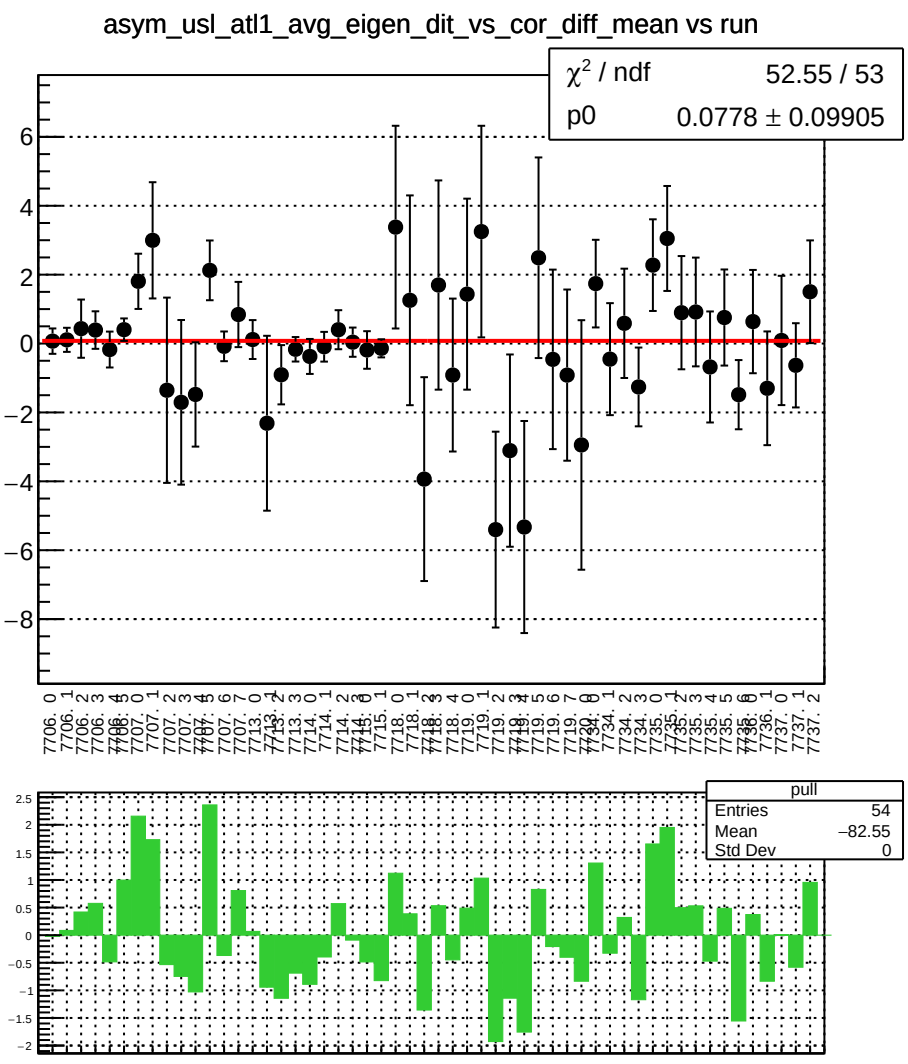

pull1D
Entries 54
Mean 0.01125
Std Dev 0.9864

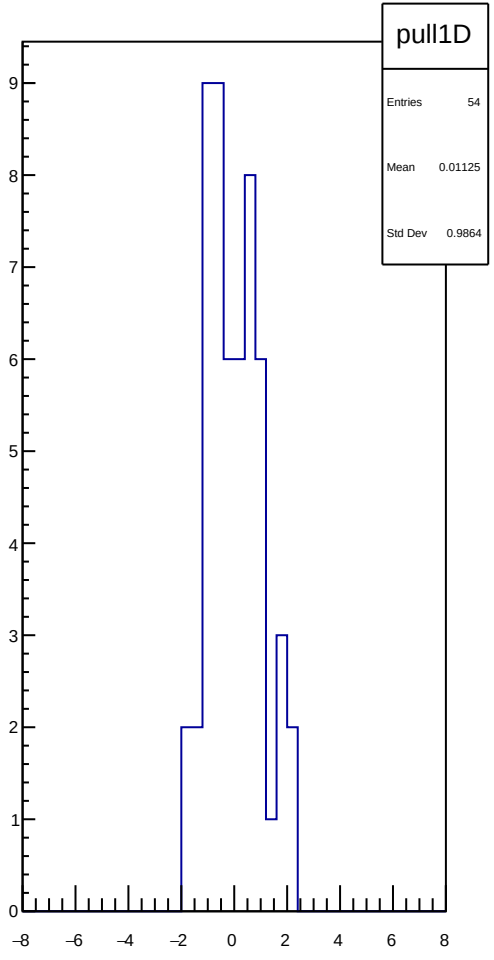

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.023e+05 / 53
p0 56.89 ± 0.07004
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

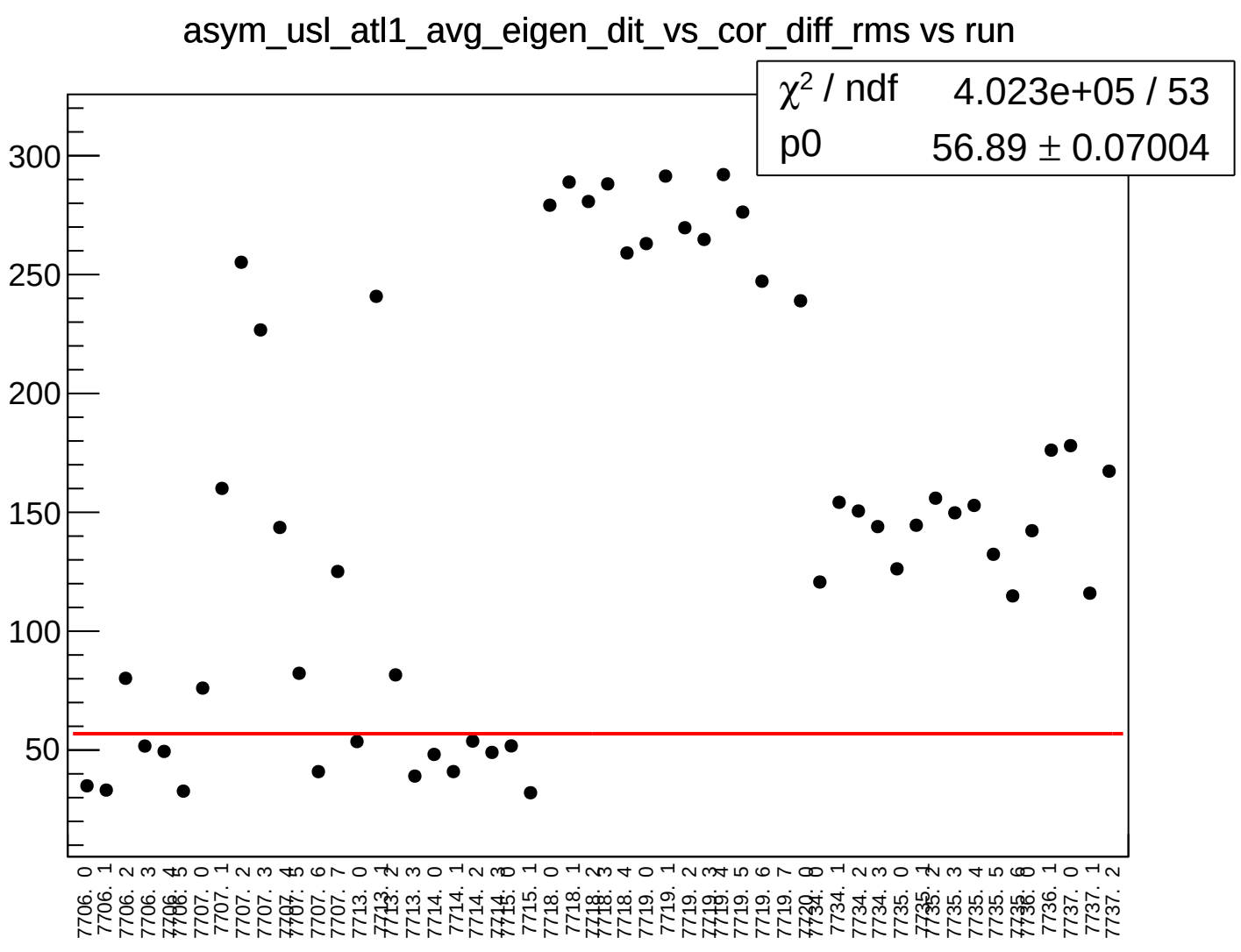

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.73 / 53
p0 −1.585e−07 ± 7.663e−07
pull
Entries 54
Mean −24.88
Std Dev 0

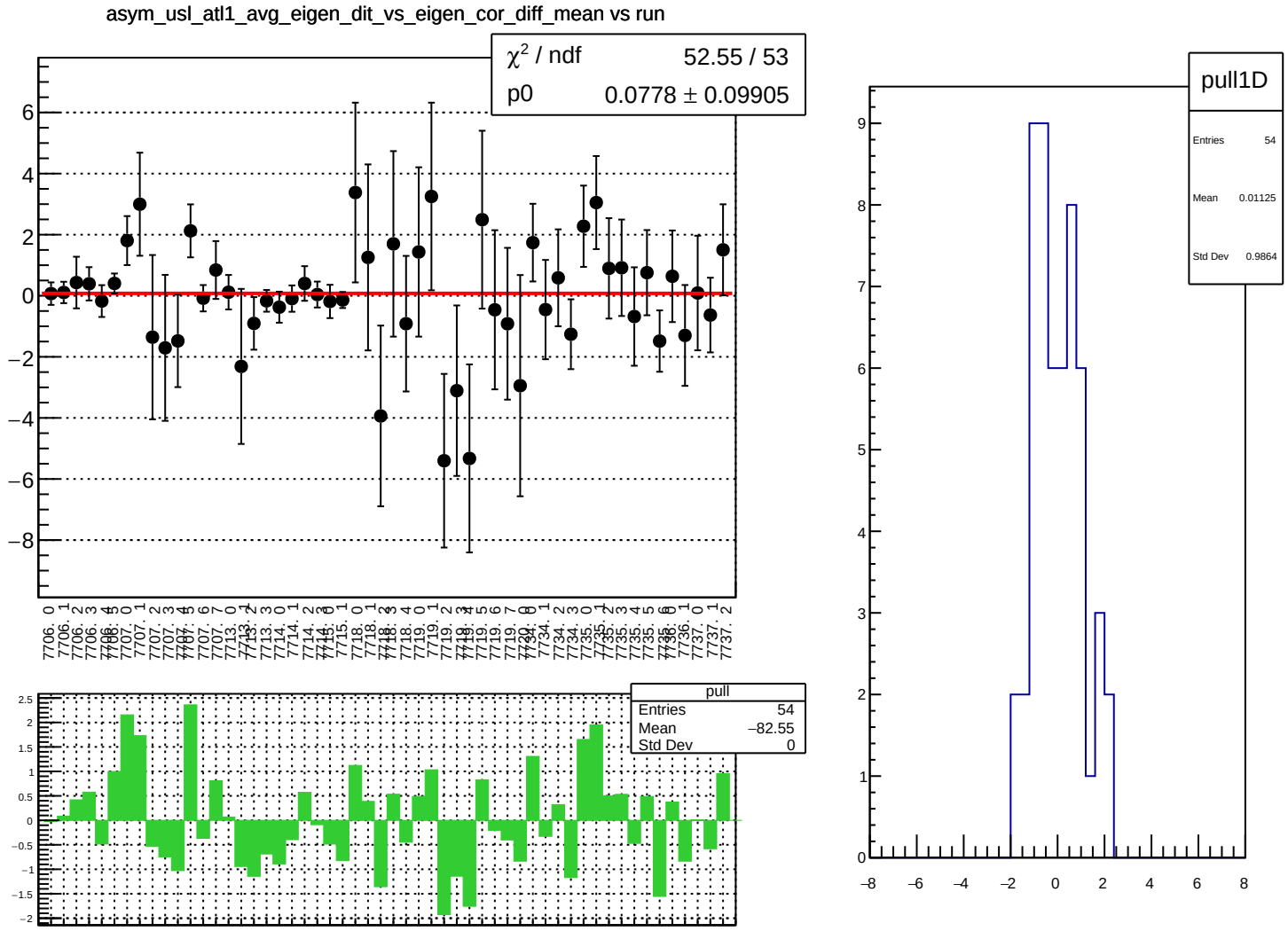

pull1D
Entries 54
Mean 0.07537
Std Dev 1.075

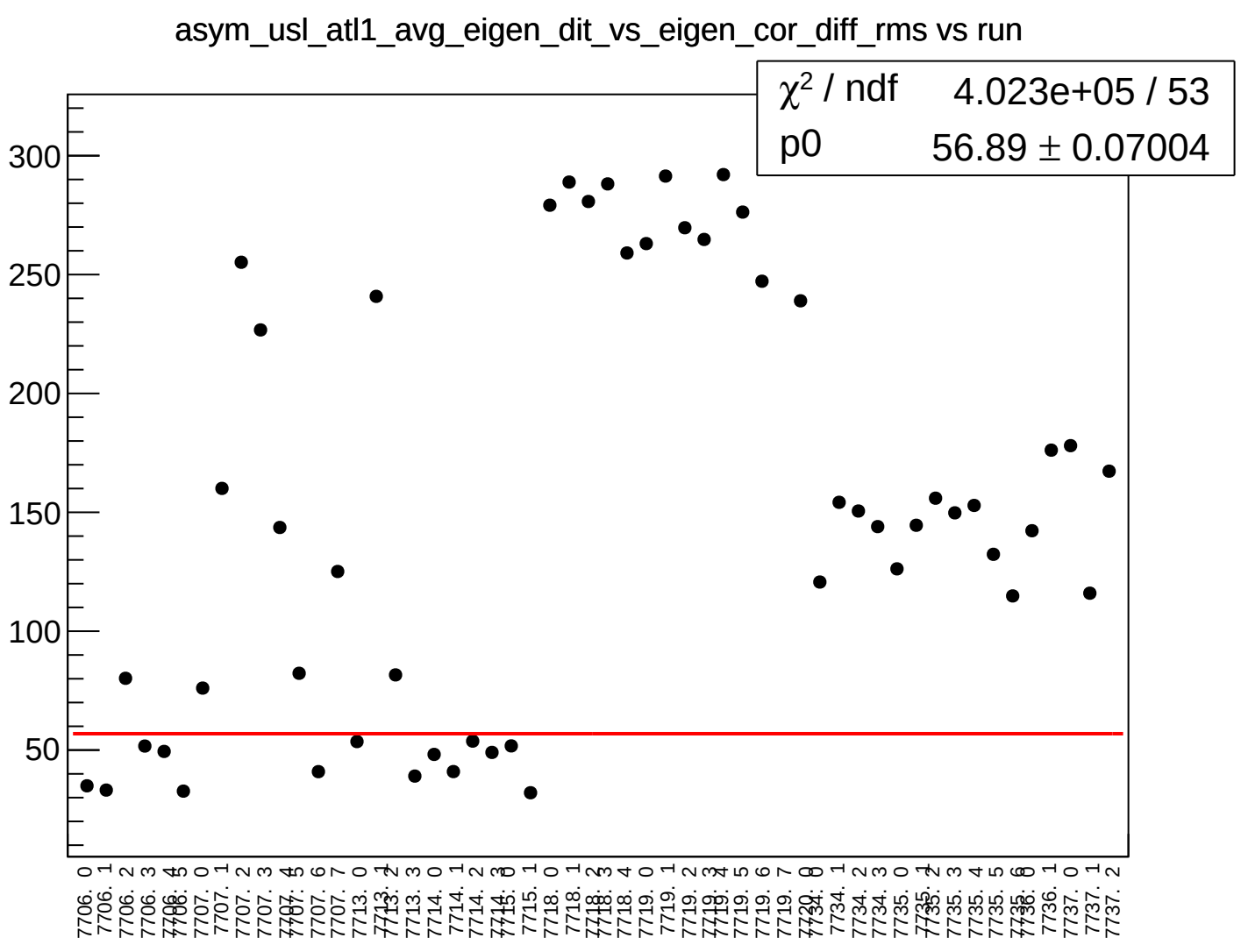

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.206e+05 / 53
p0 0.0005257 ± 5.419e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3

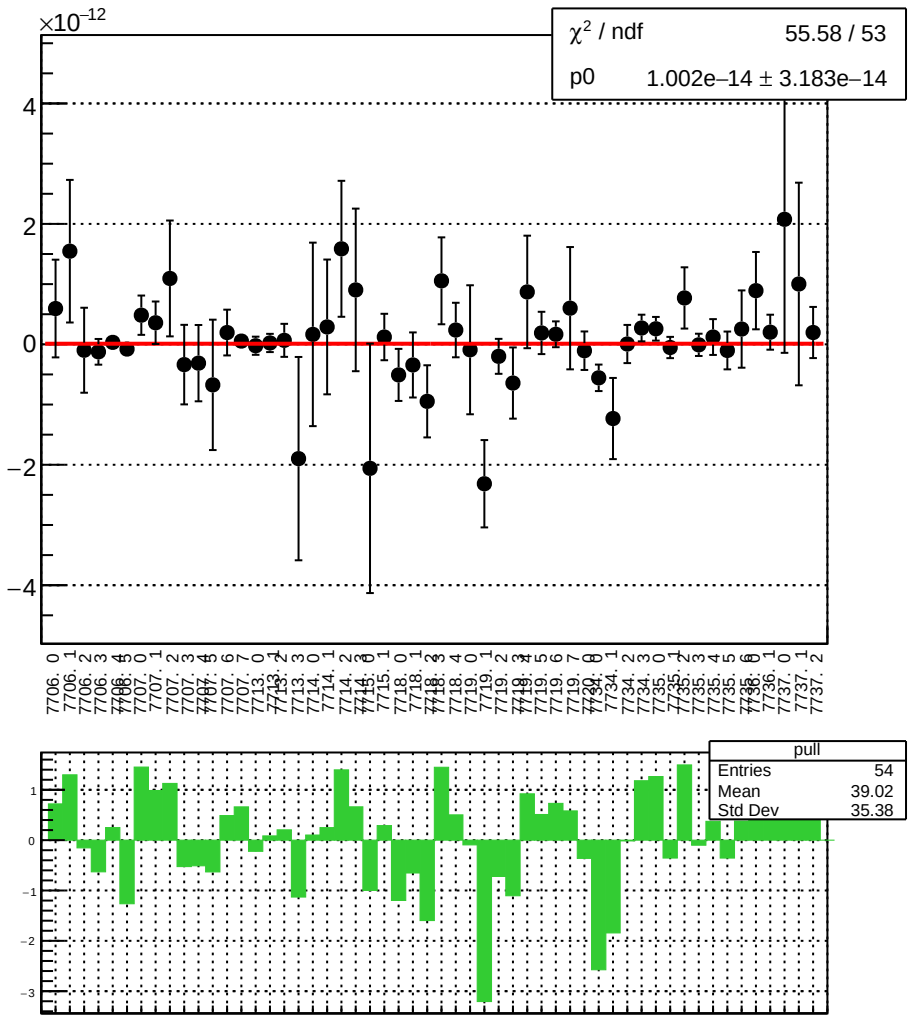

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.55 / 53
p0 0.0778 ± 0.09905
pull
Entries 54
Mean −82.55
Std Dev 0

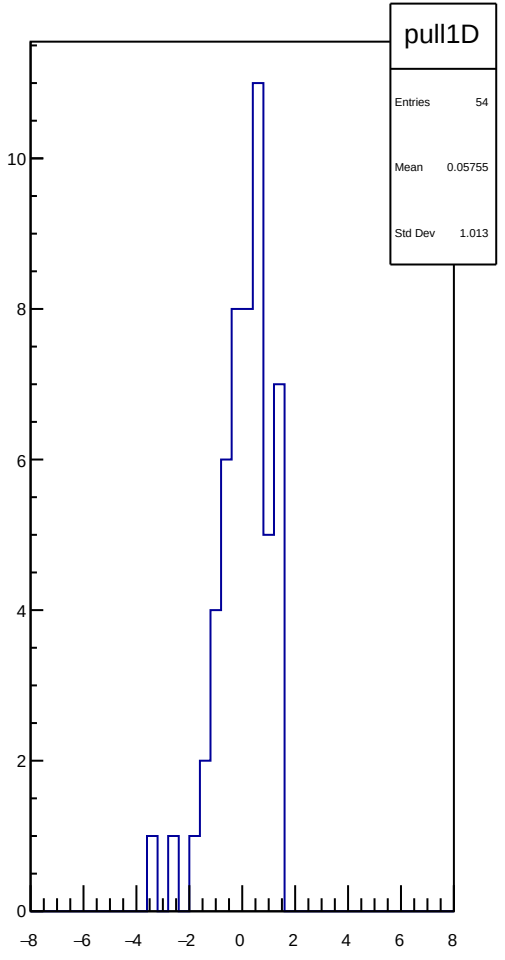

pull1D
Entries 54
Mean 0.01125
Std Dev 0.9864

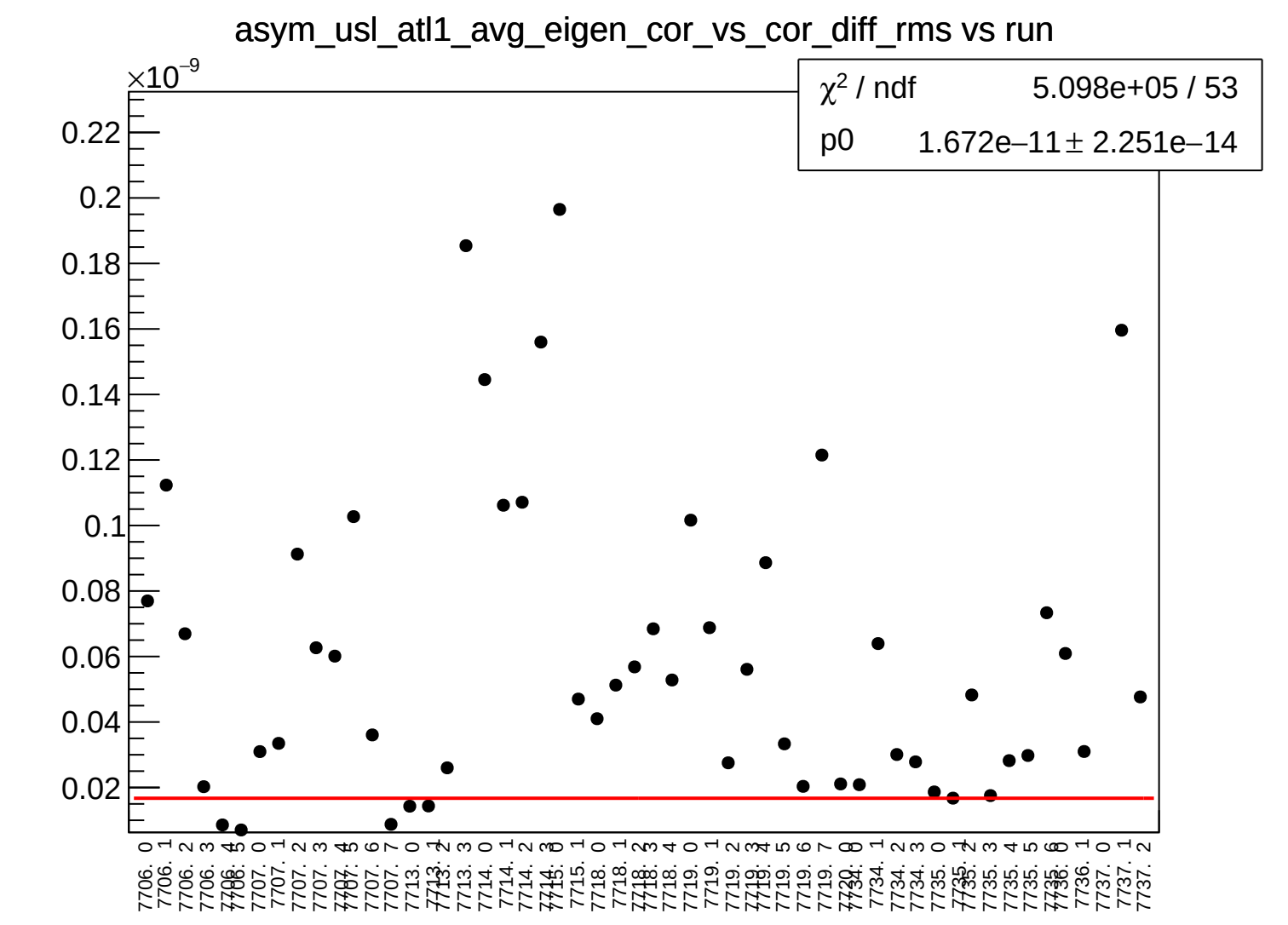

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.023e+05 / 53
p0 56.89 ± 0.07004
300
250
200
150
100
50

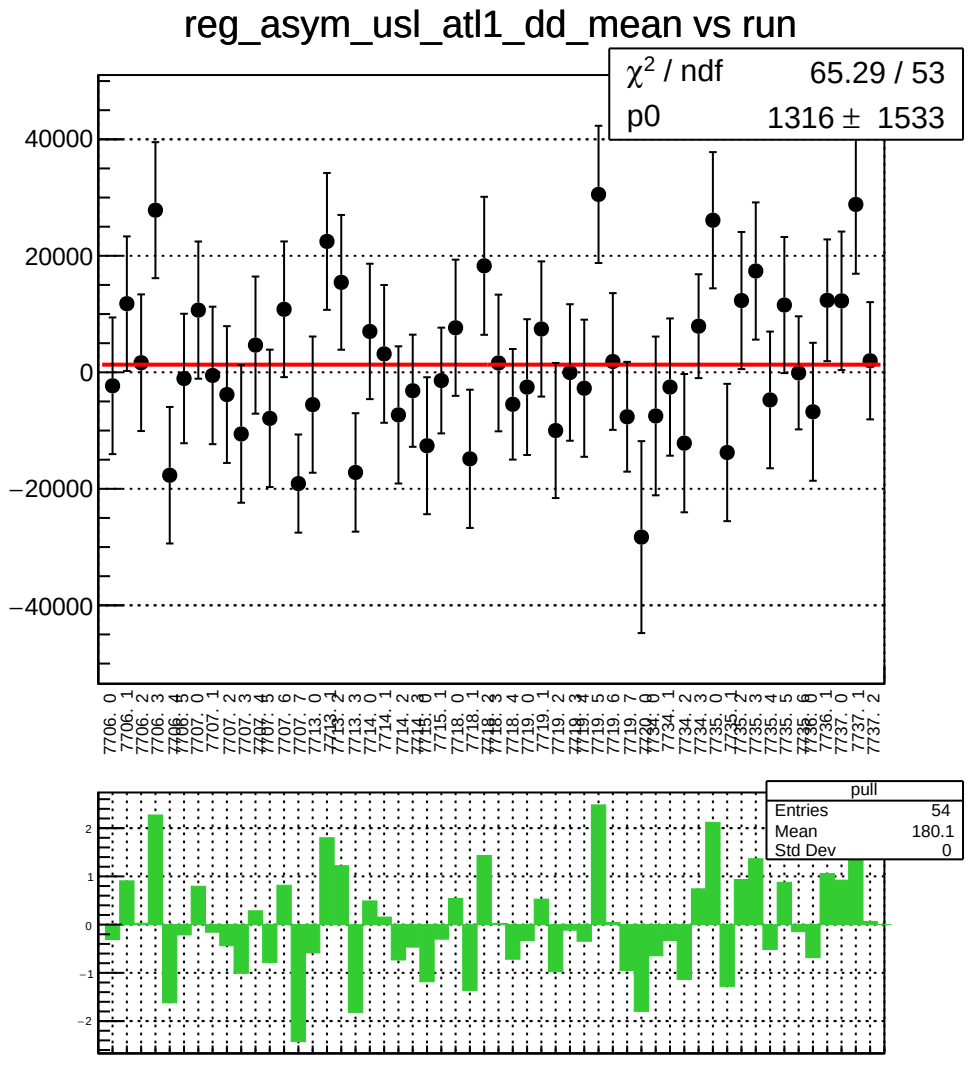

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.55 / 53
p0 0.0778 ± 0.09905
pull
Entries 54
Mean −82.55
Std Dev 0
pull1D
Entries 54
Mean 0.01125
Std Dev 0.9864

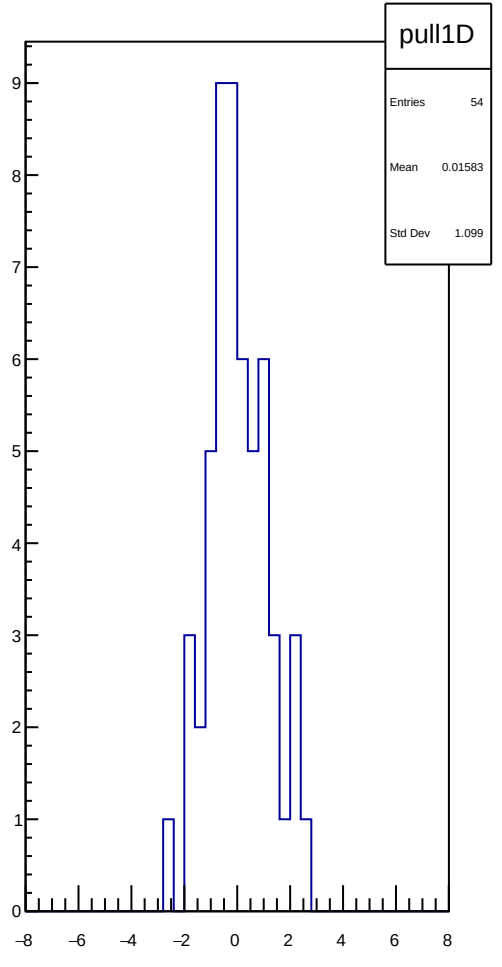

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.023e+05 / 53
p0 56.89 ± 0.07004
300
250
200
150
100
50

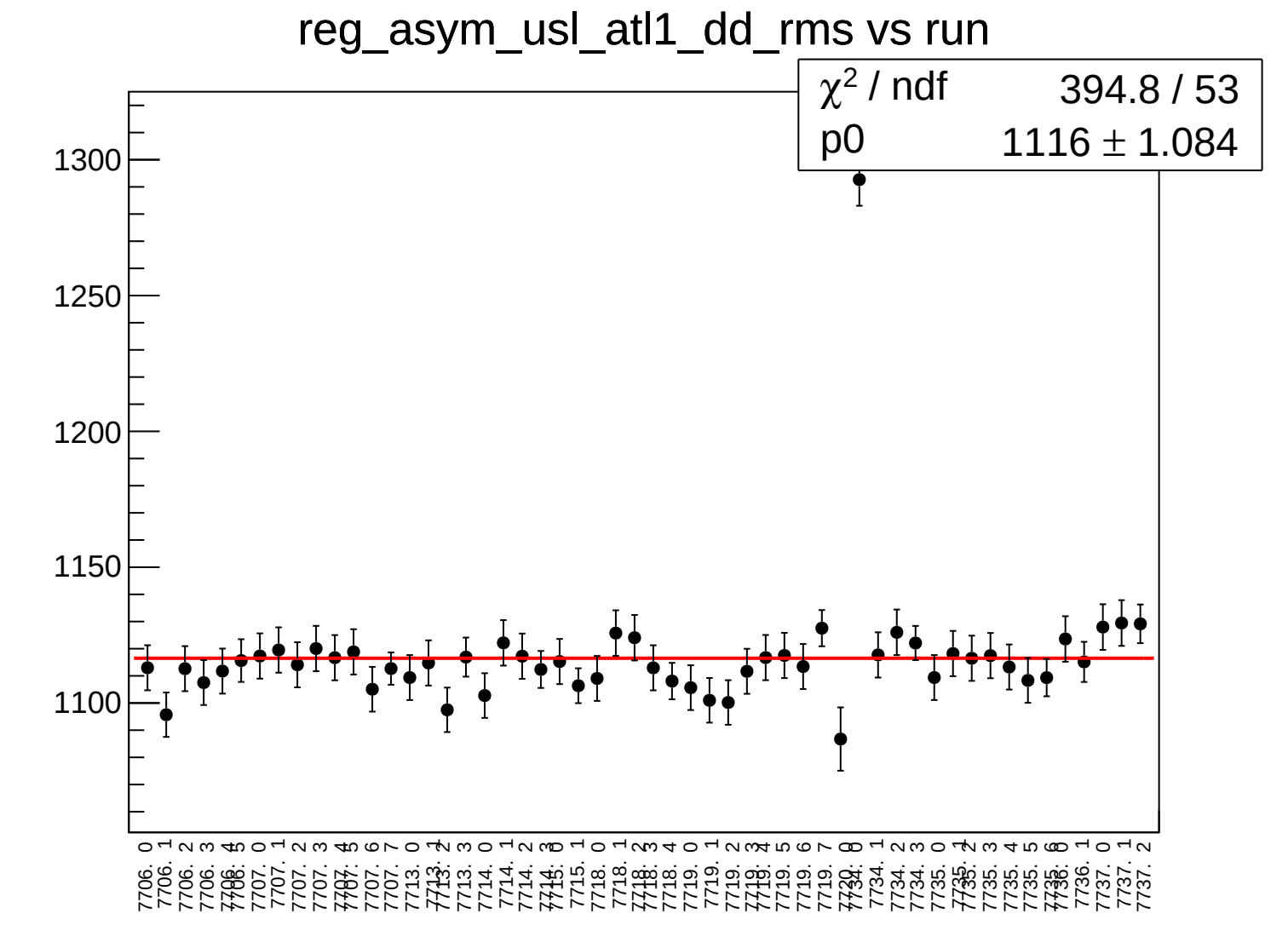

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.58 / 53
p0 1.002e−14 ± 3.183e−14
pull
Entries 54
Mean 39.02
Std Dev 35.38

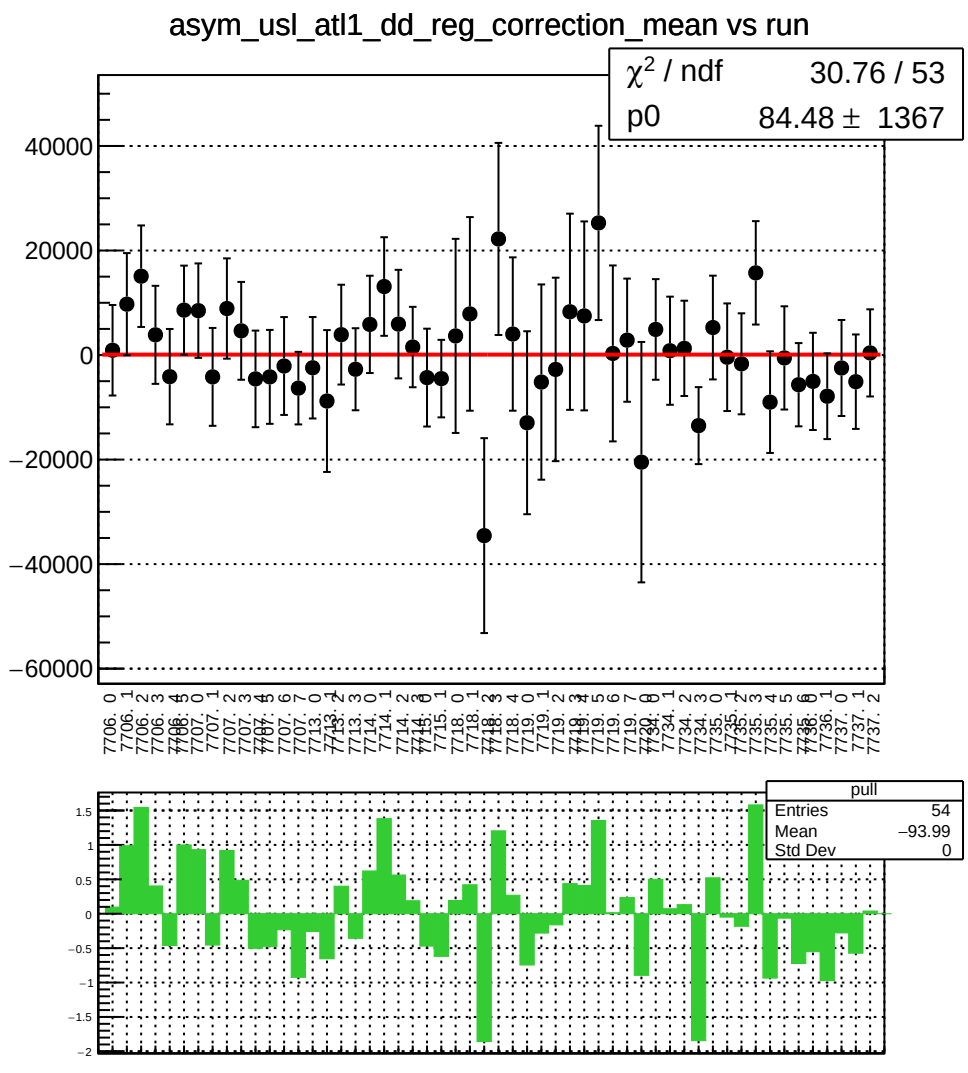

pull1D
Entries 54
Mean 0.05755
Std Dev 1.013

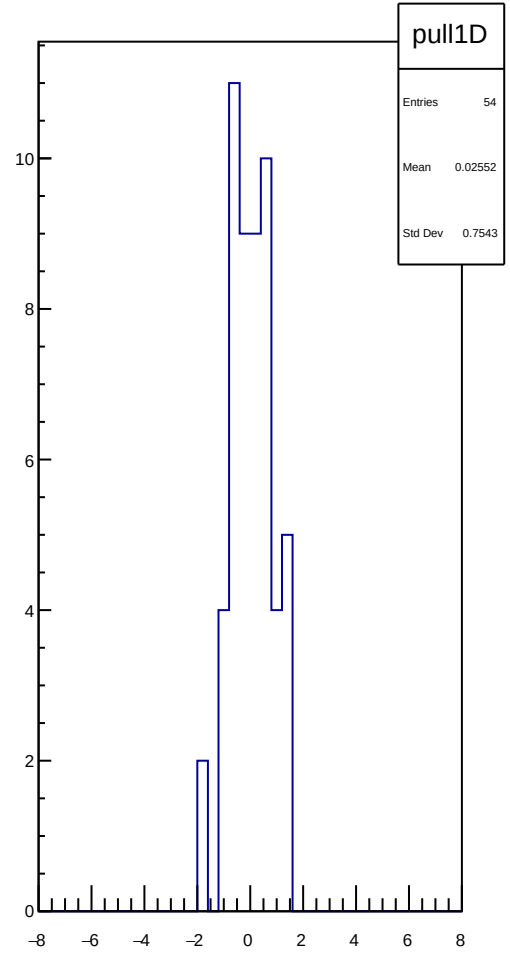

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.098e+05 / 53
p0 1.672e−11 ± 2.251e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

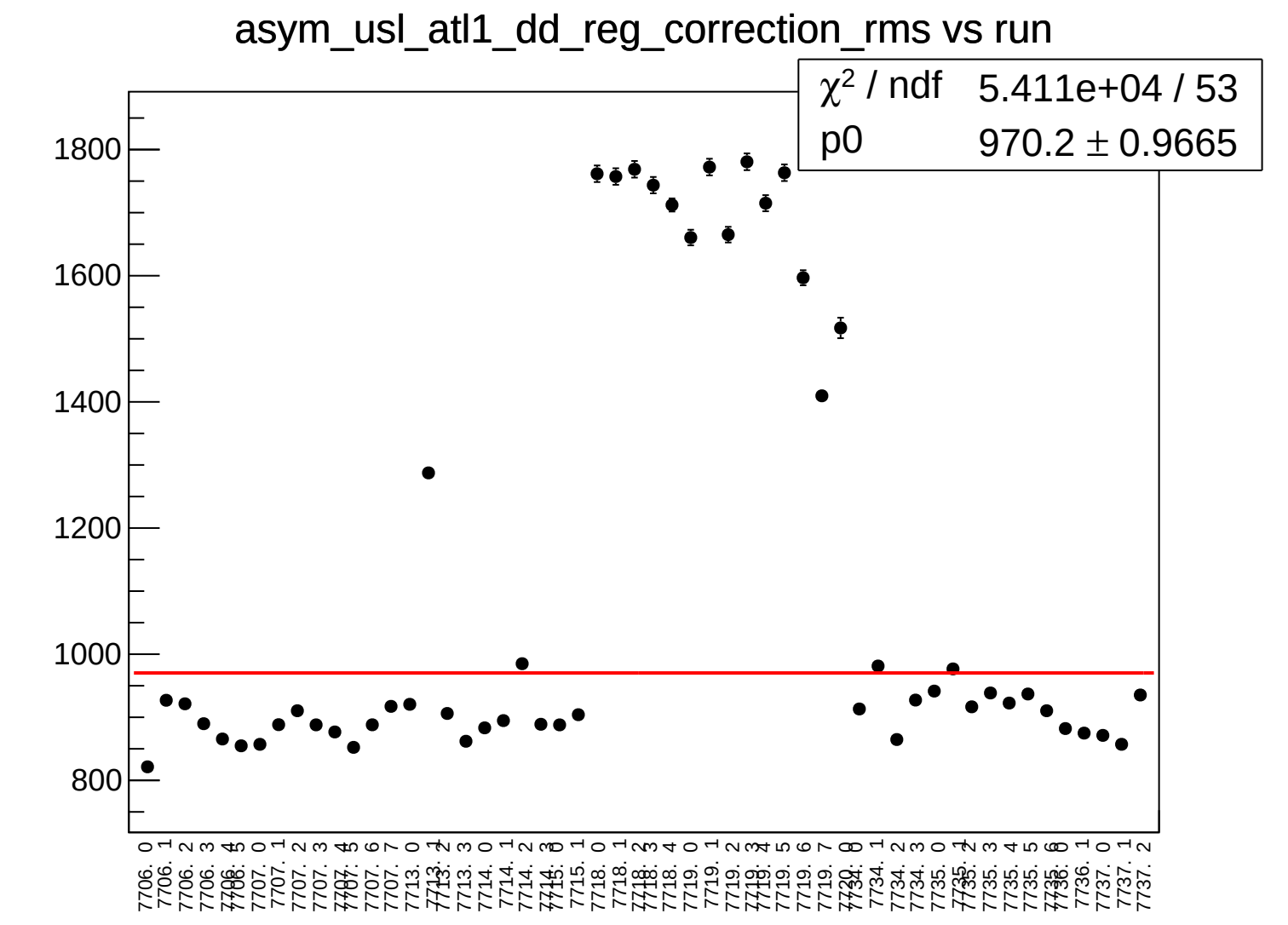

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 65.29 / 53
p0 1316 ± 1533
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 180.1
Std Dev 0
2
1
0
−1
−2

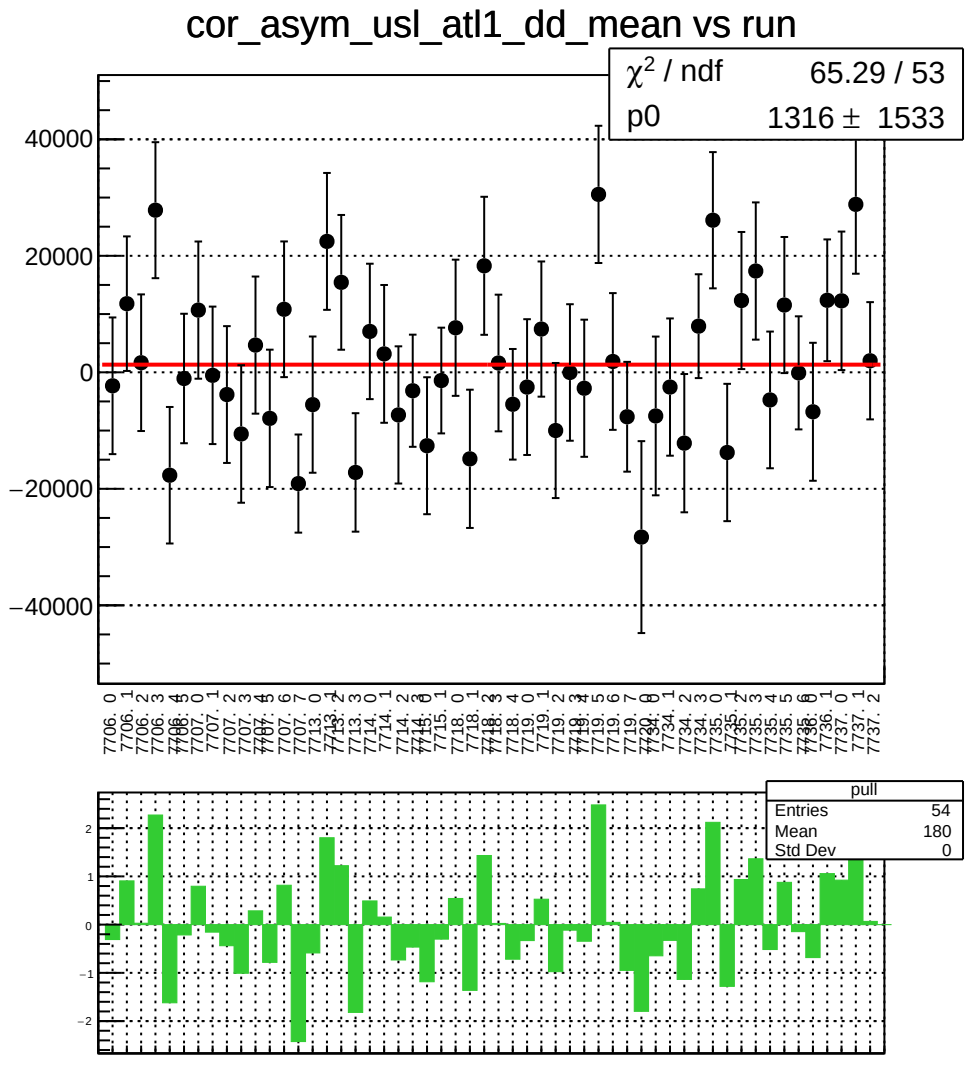

pull1D
Entries 54
Mean 0.01583
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

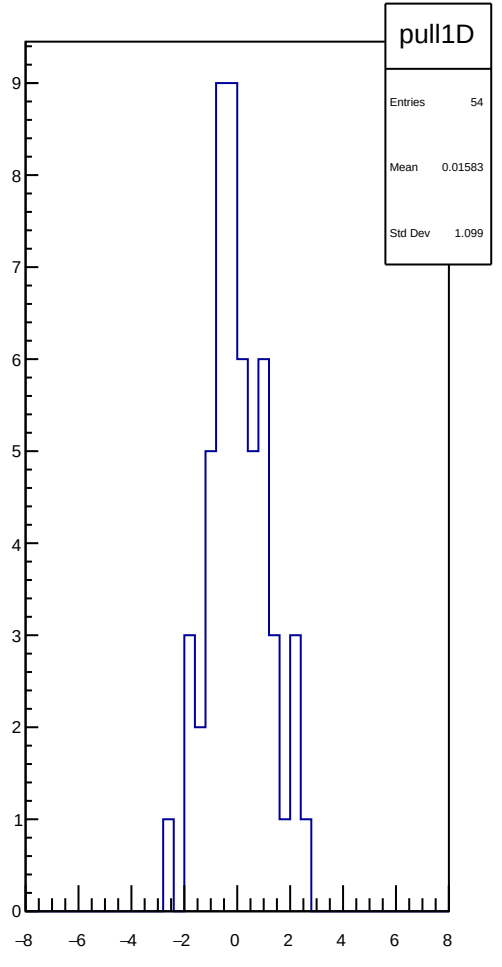

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 394.8 / 53
p0 1116 ± 1.084
1300
1250
1200
1150
1100

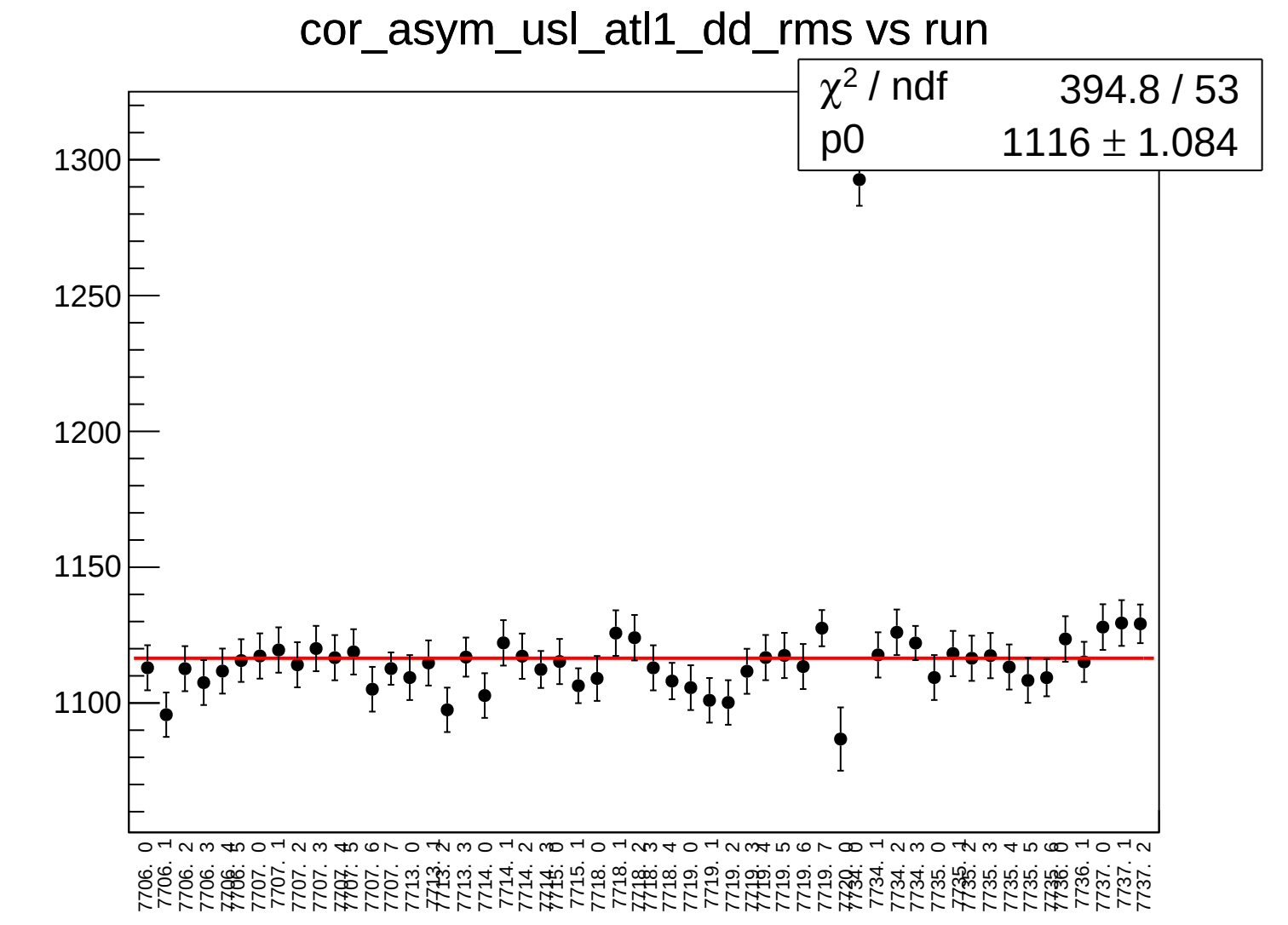

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 30.76 / 53
p0 84.48 ± 1367
pull
Entries 54
Mean −93.99
Std Dev 0

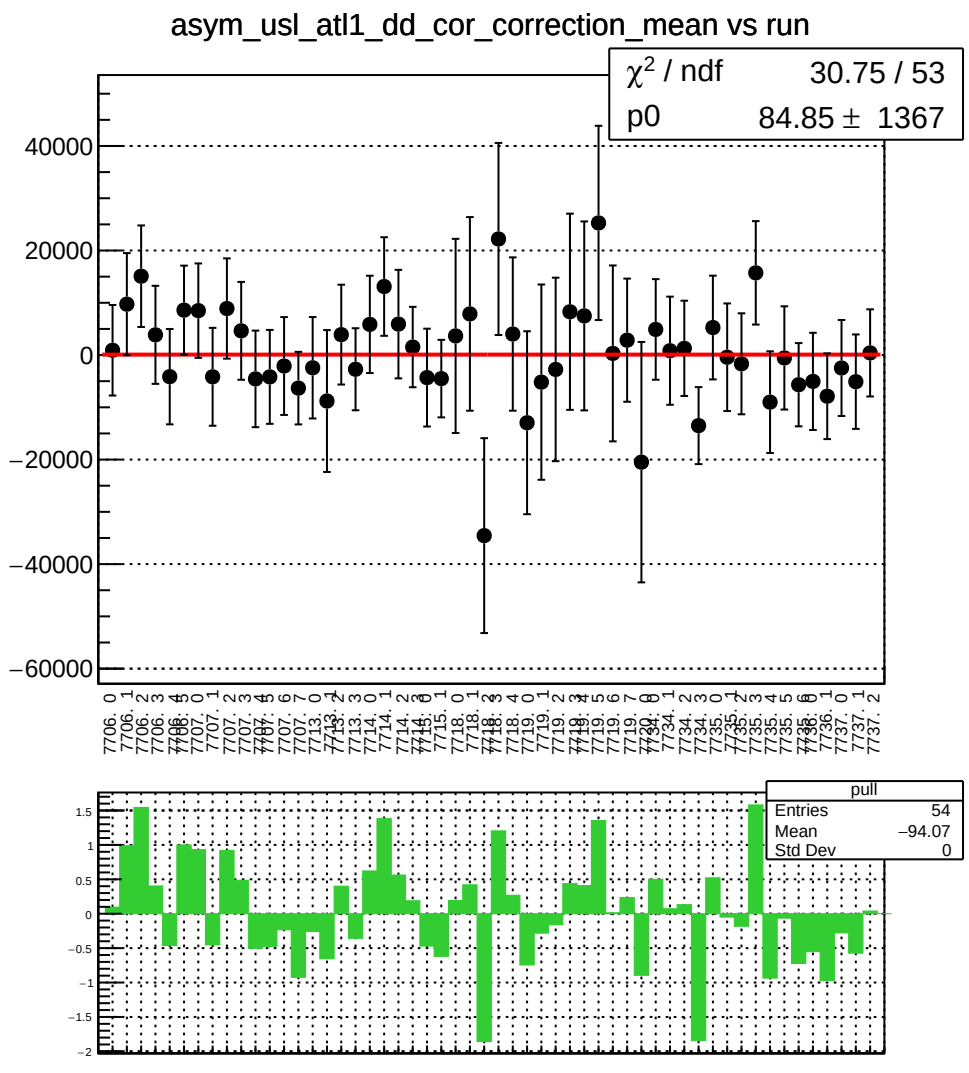

pull1D
Entries 54
Mean 0.02552
Std Dev 0.7543

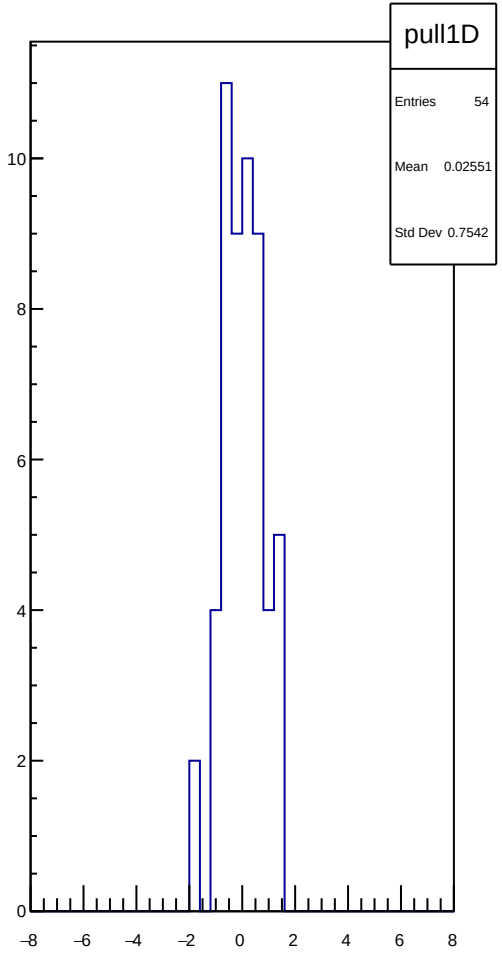

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 5.411e+04 / 53
p0 970.2 ± 0.9665
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

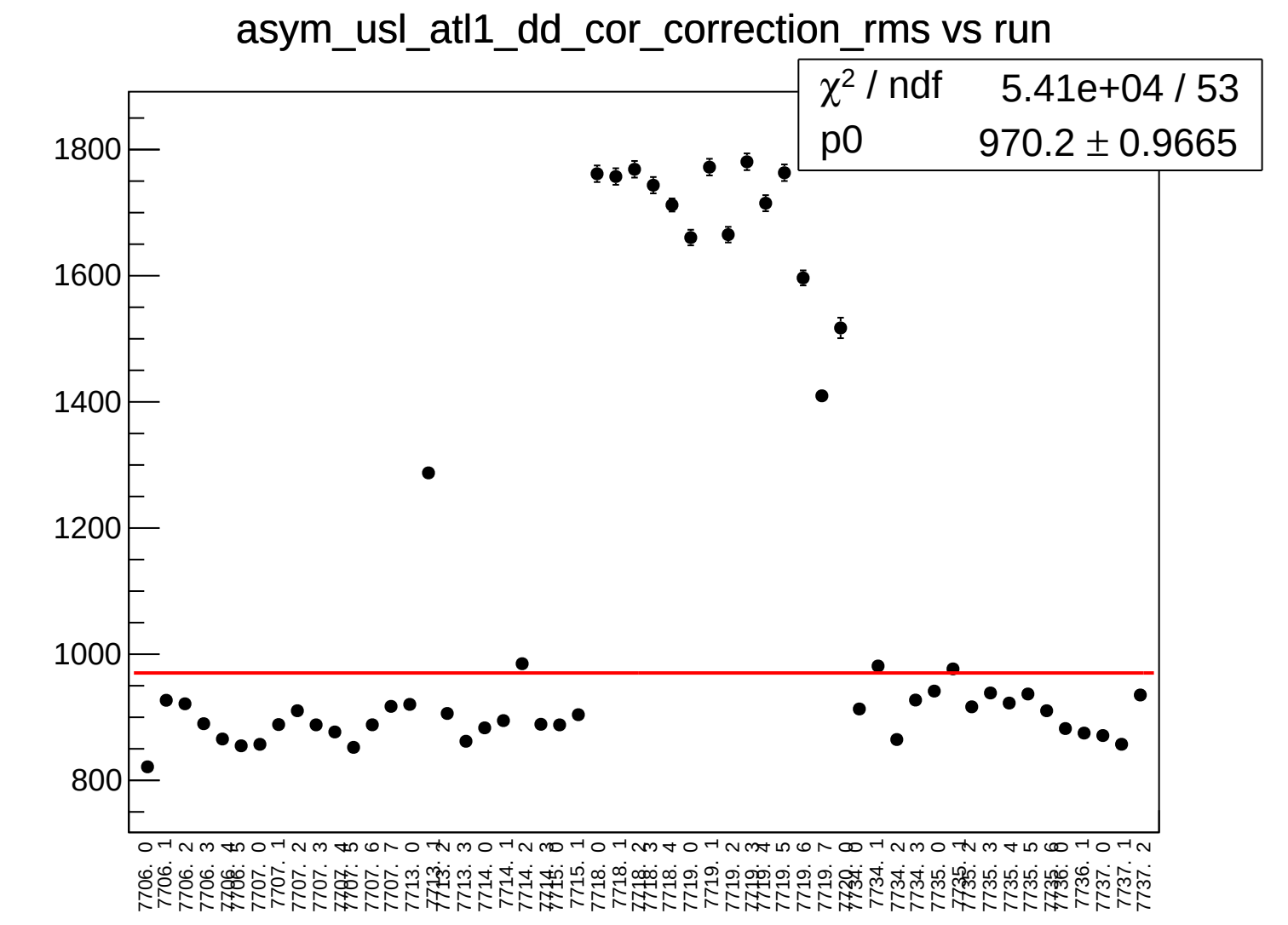

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 65.29 / 53
p0 1316 ± 1533
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 180
Std Dev 0
2
1
0
−1
−2

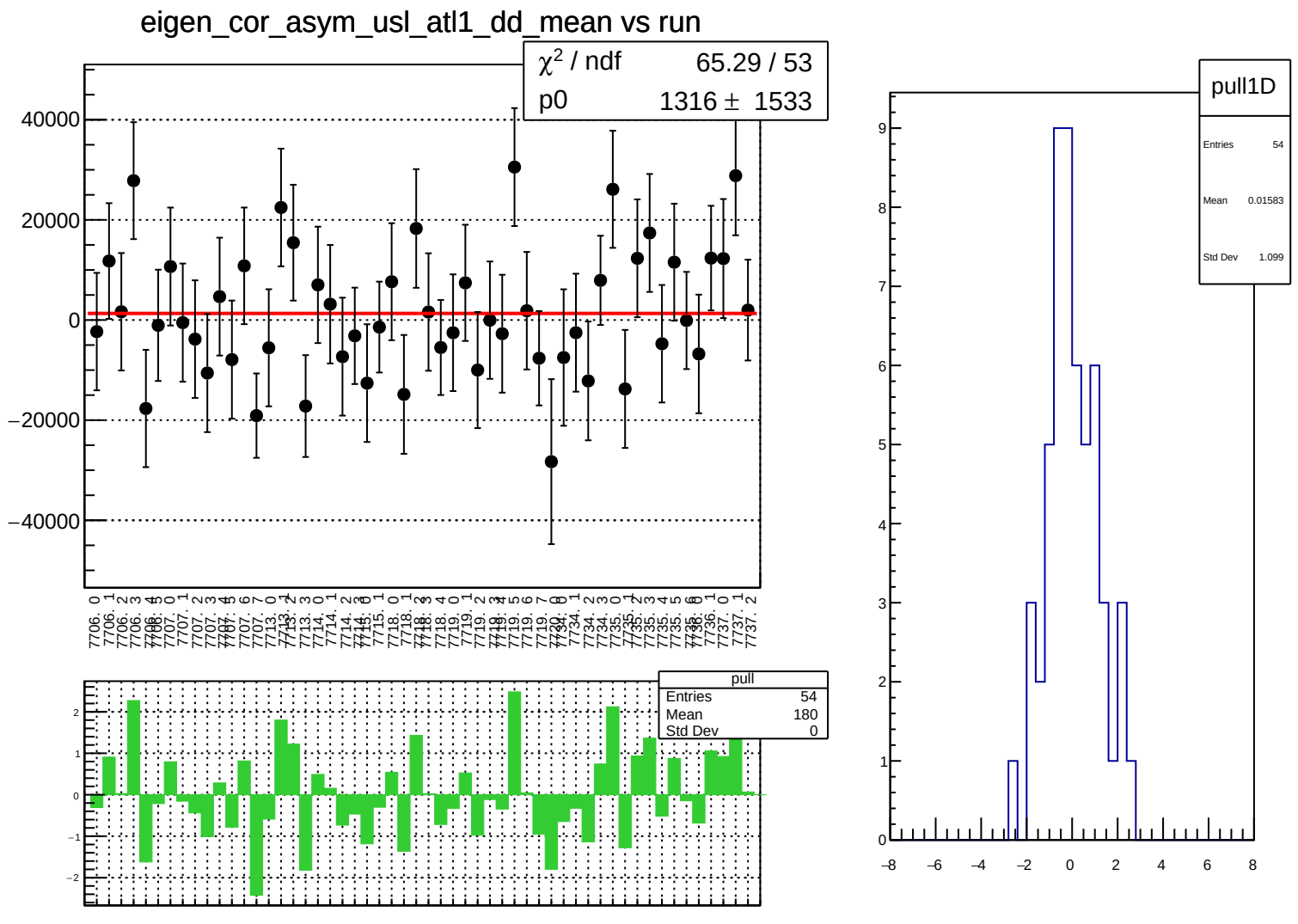

pull1D
Entries 54
Mean 0.01583
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

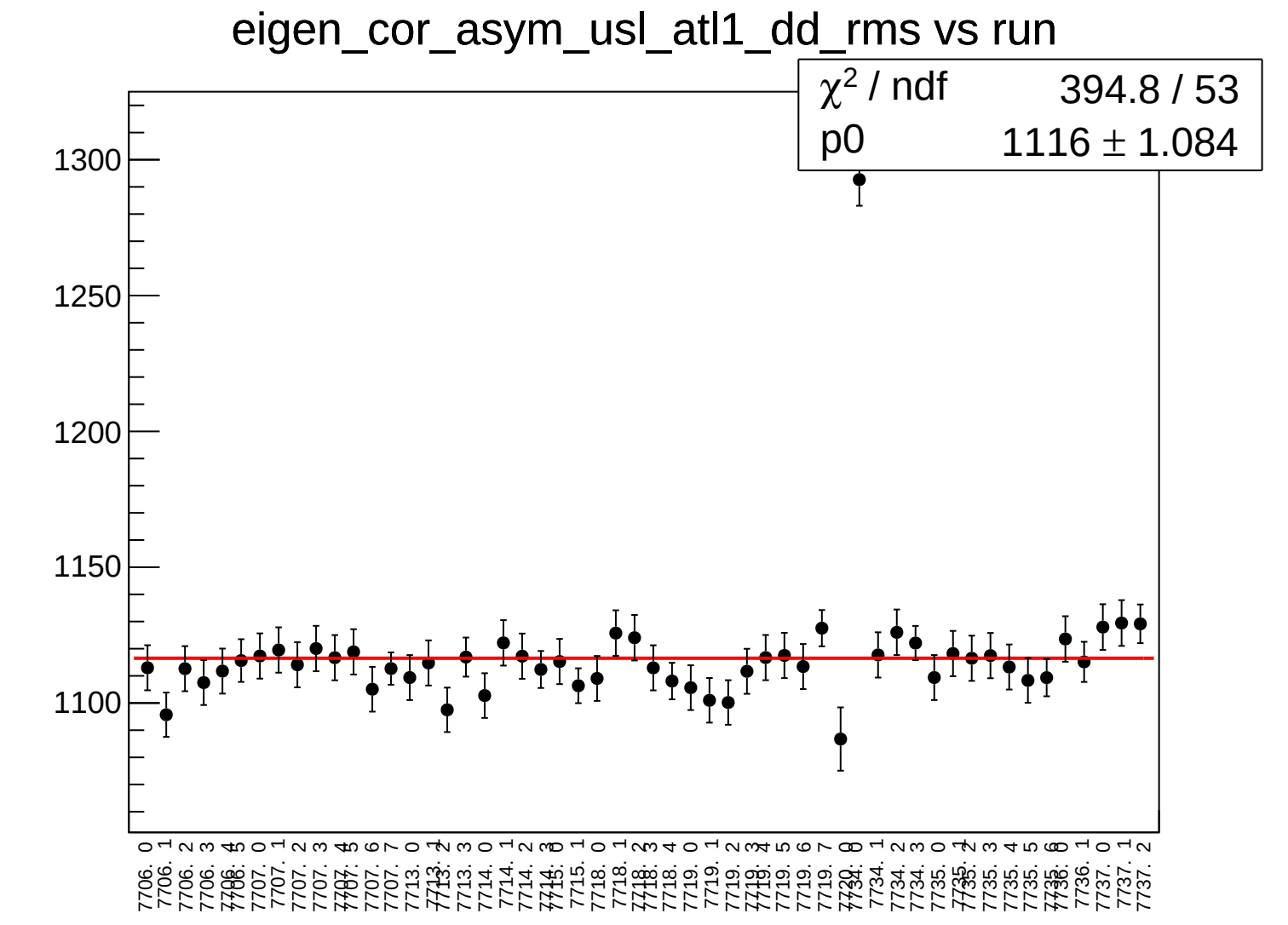

cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 394.8 / 53
p0 1116 ± 1.084
1300
1250
1200
1150
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

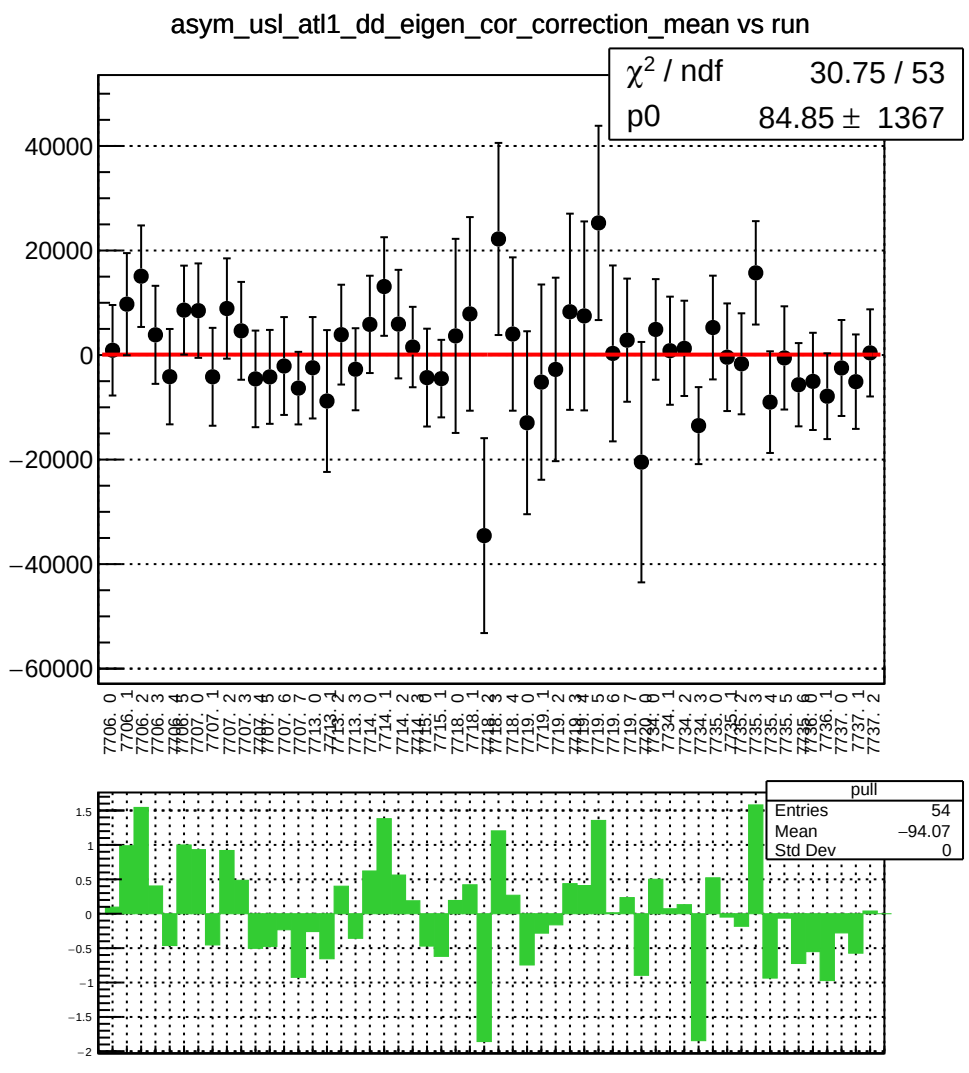

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 30.75 / 53
p0 84.85 ± 1367
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −94.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

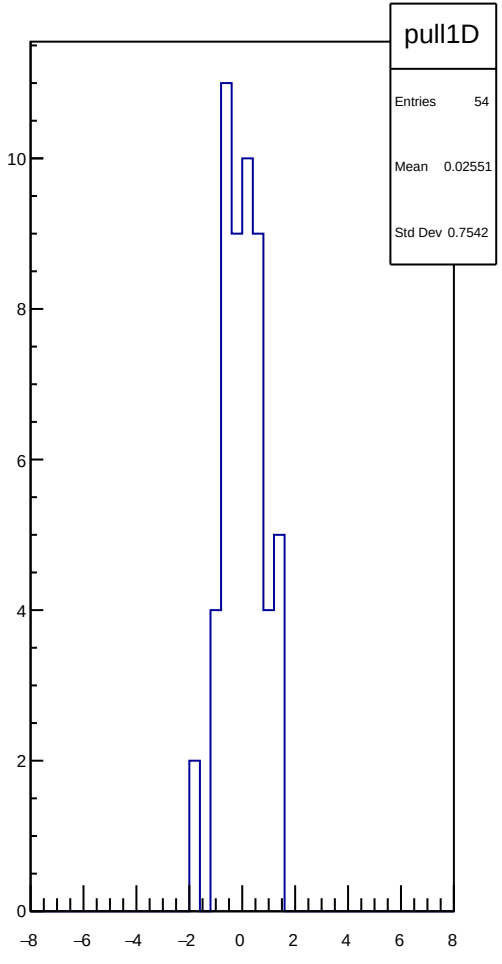

pull1D
Entries 54
Mean 0.02551
Std Dev 0.7542
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

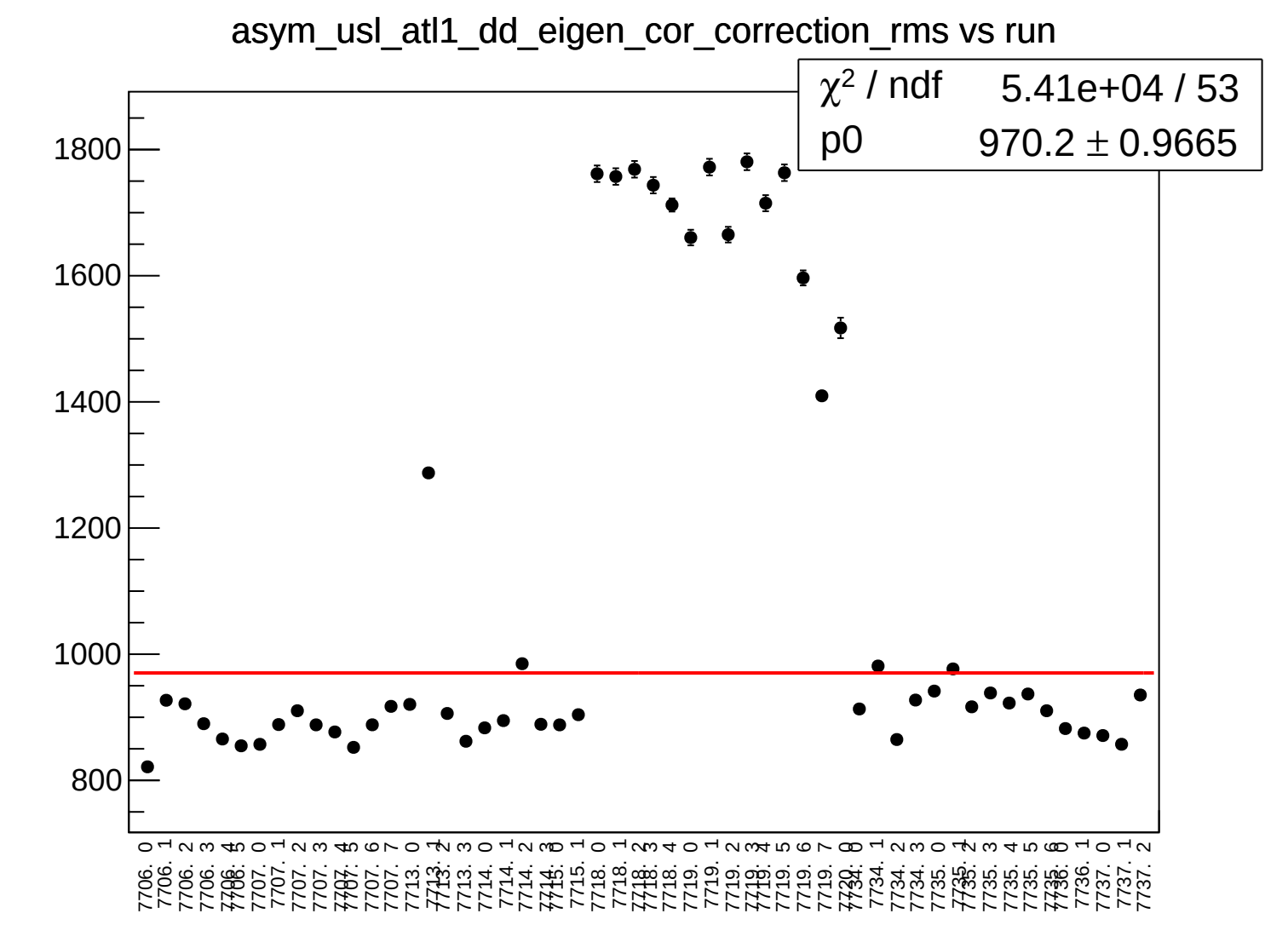

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 5.41e+04 / 53
p0 970.2 ± 0.9665
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

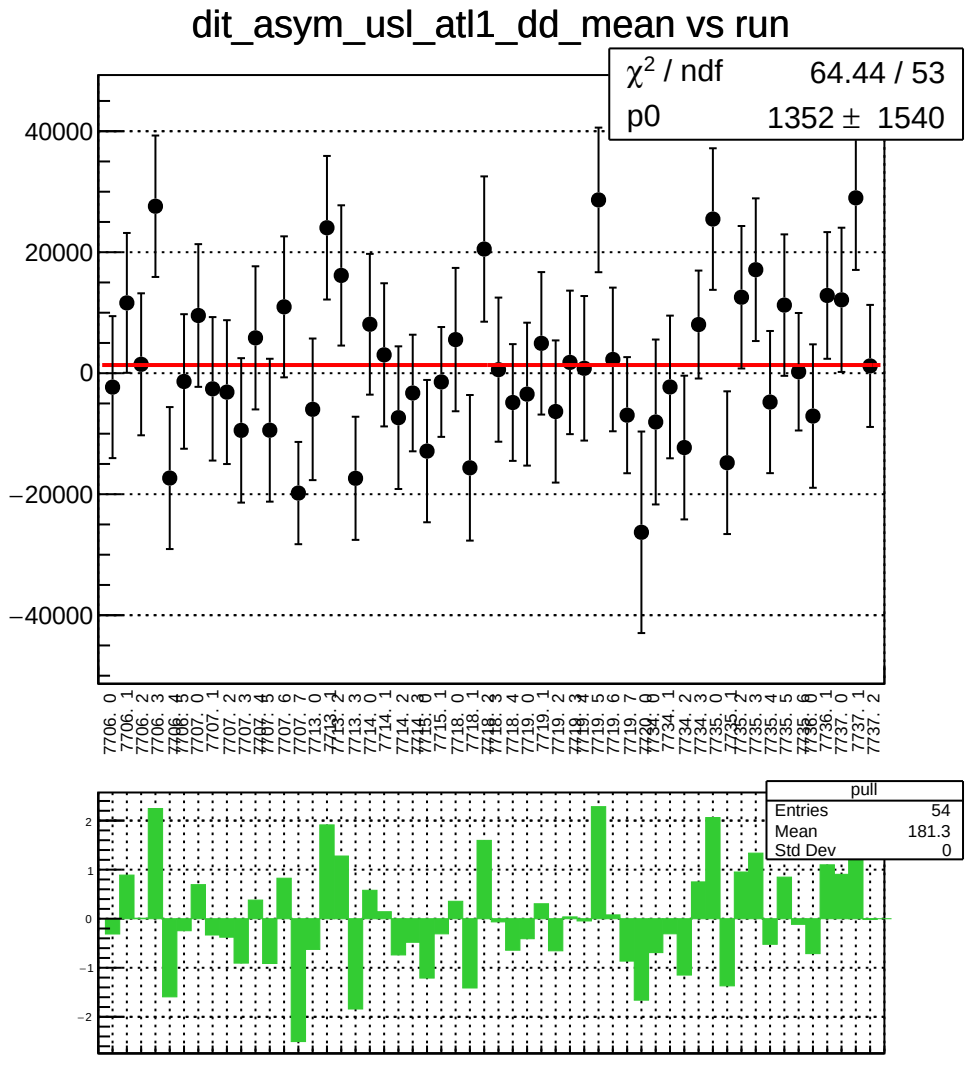

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 65.29 / 53
p0 1316 ± 1533
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 180
Std Dev 0
pull1D
Entries 54
Mean 0.01583
Std Dev 1.099

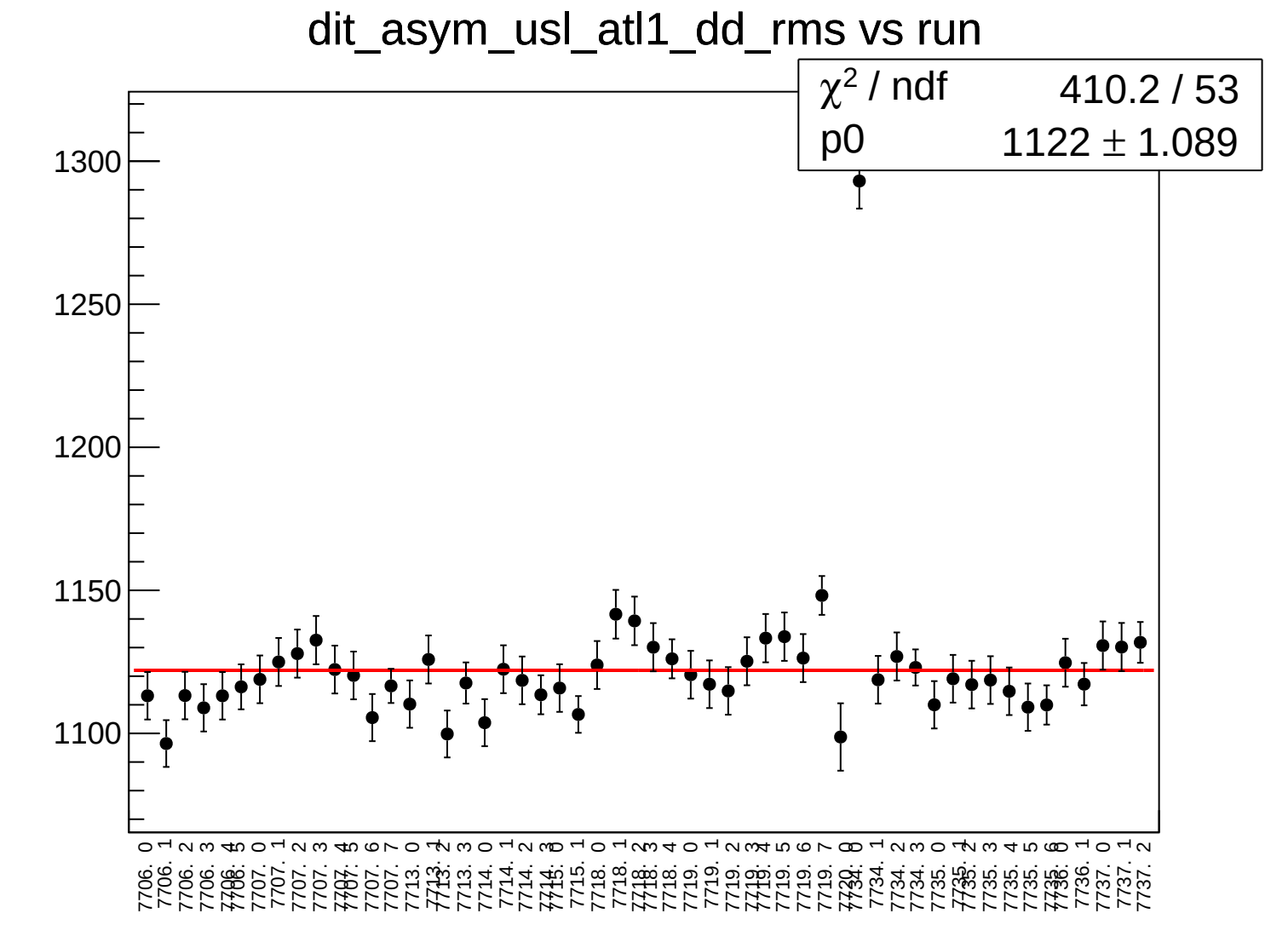

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 394.8 / 53
p0 1116 ± 1.084
1300
1250
1200
1150
1100

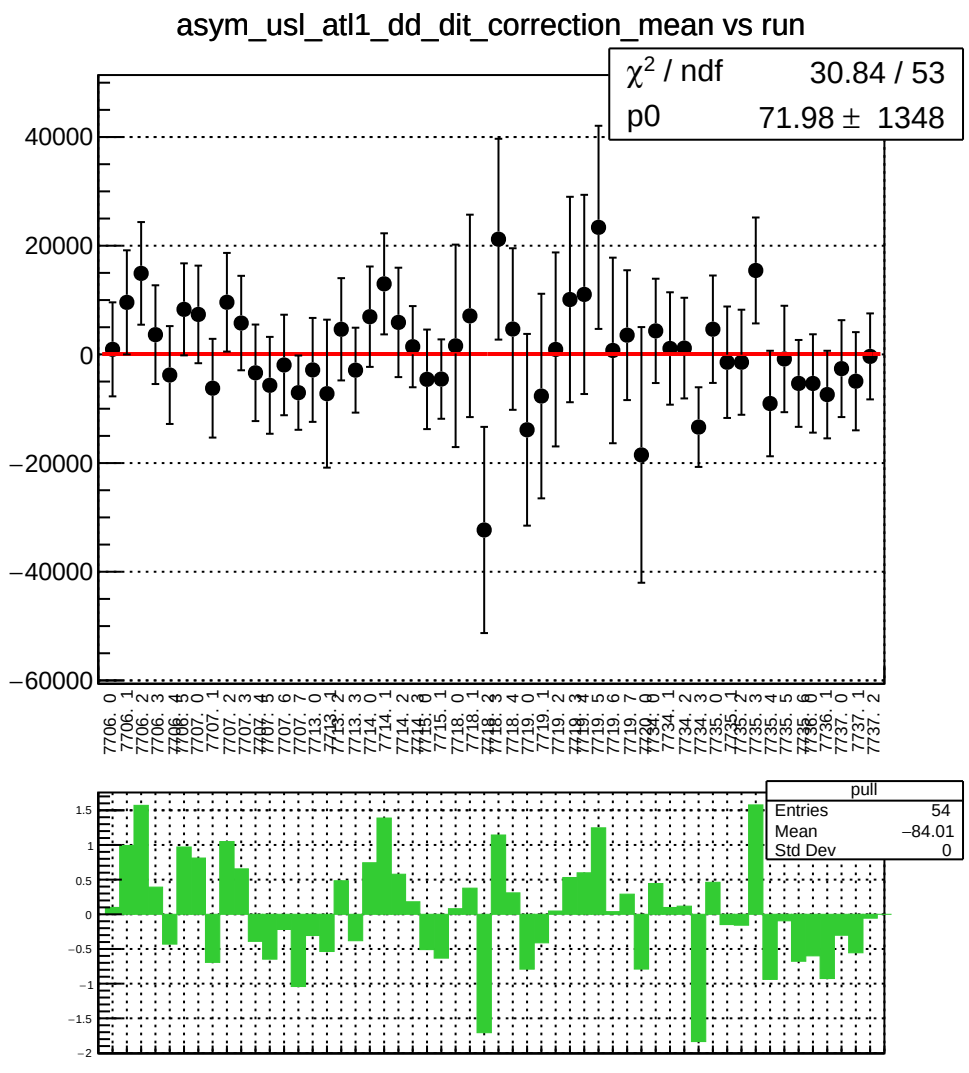

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.75 / 53
p0 84.85 ± 1367
pull
Entries 54
Mean −94.07
Std Dev 0

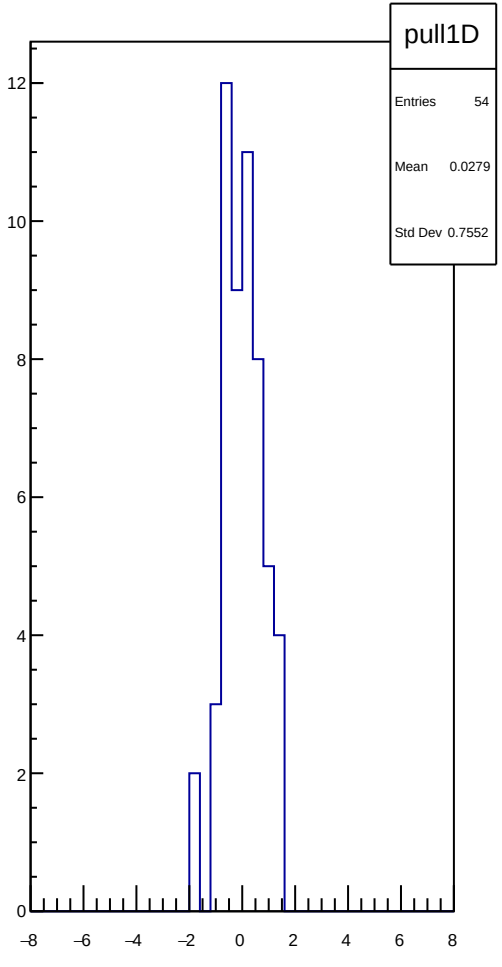

pull1D
Entries 54
Mean 0.02551
Std Dev 0.7542

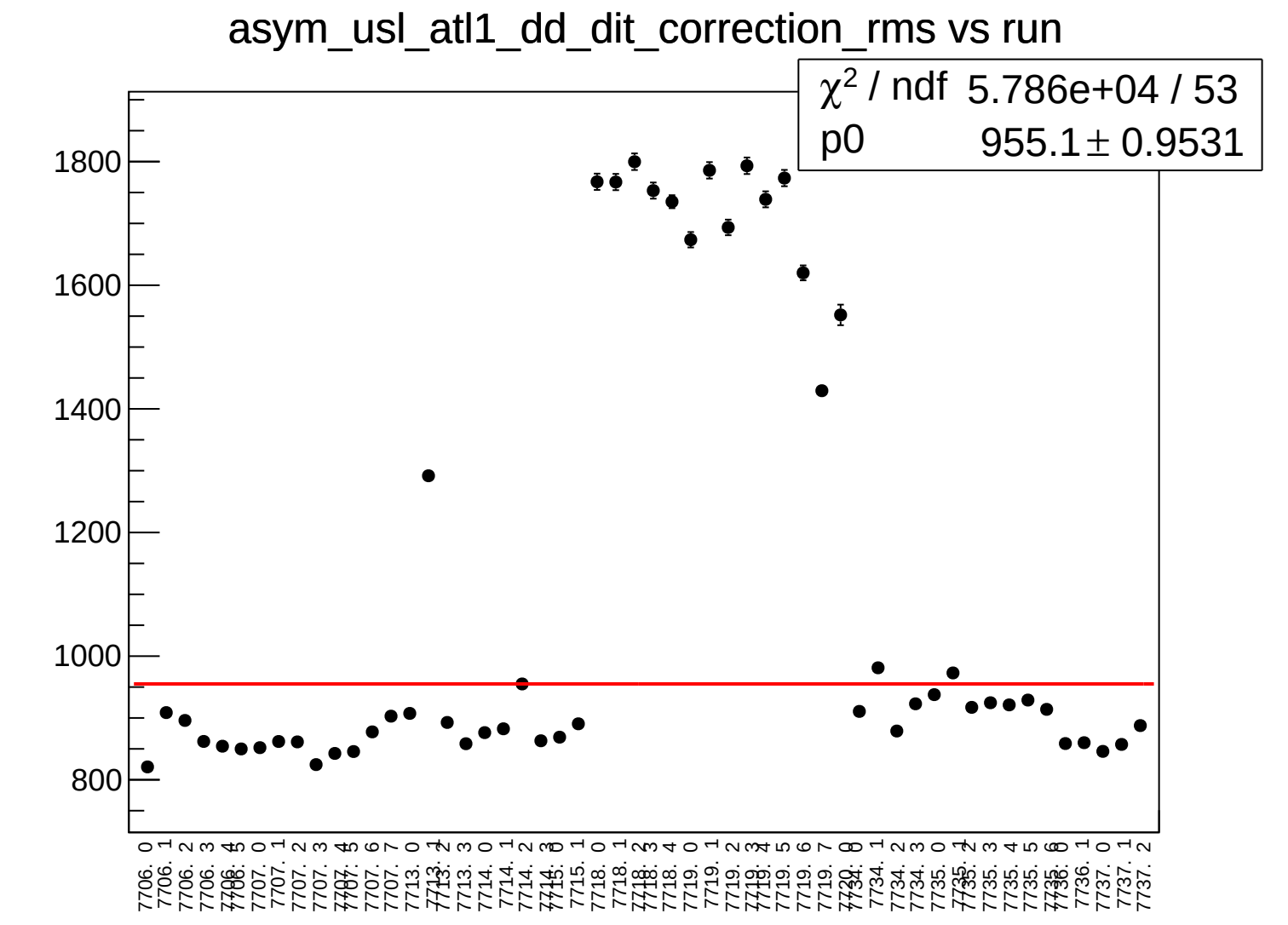

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.41e+04 / 53
p0 970.2 ± 0.9665
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

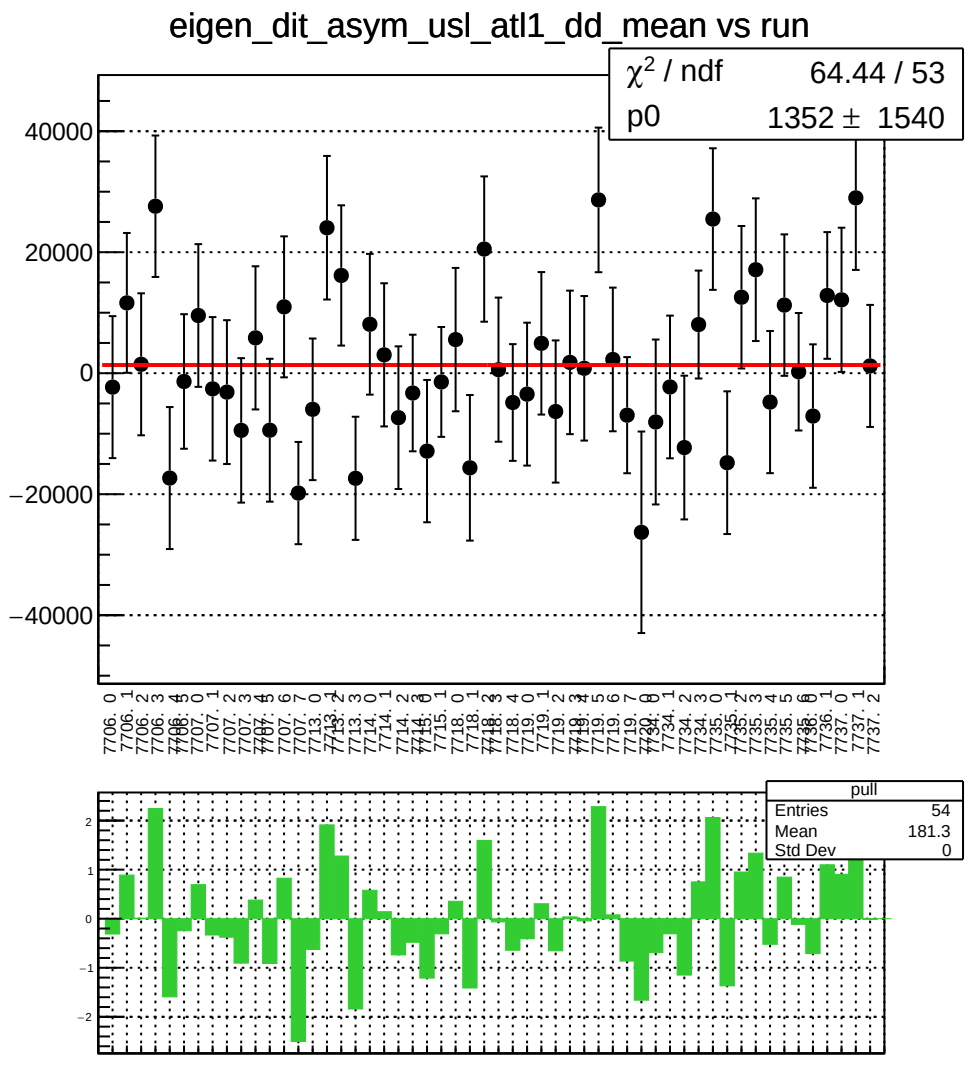

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 64.44 / 53
p0 1352 ± 1540
40000
20000
0
−20000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 181.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.01616
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

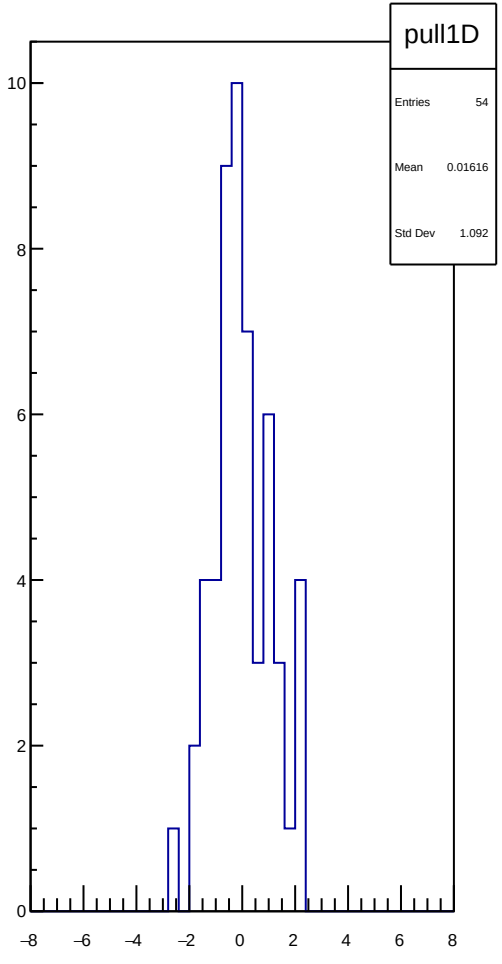

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 410.2 / 53
p0 1122 ± 1.089
1300
1250
1200
1150
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

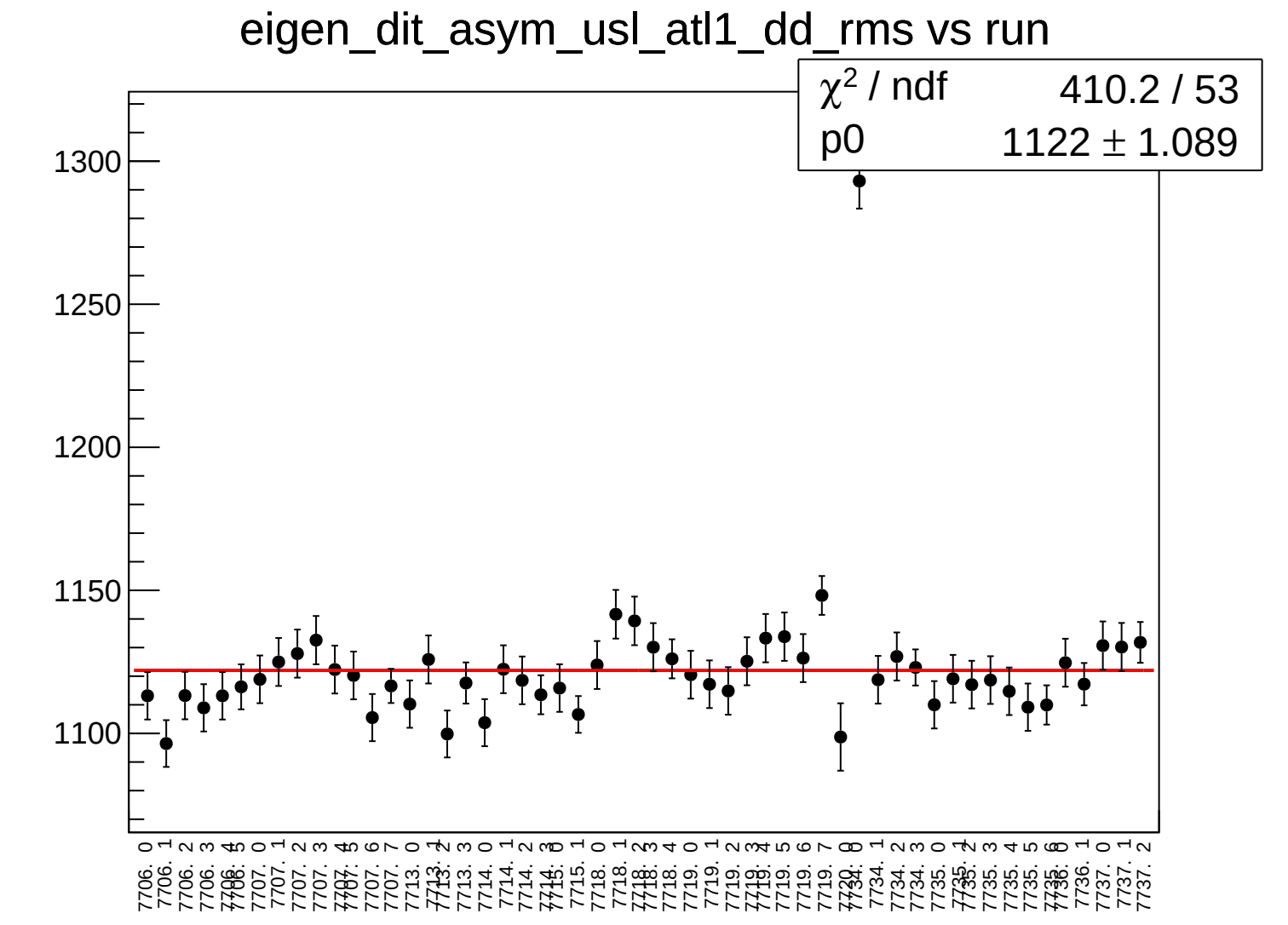

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 30.84 / 53
p0 71.98 ± 1348
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −84.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

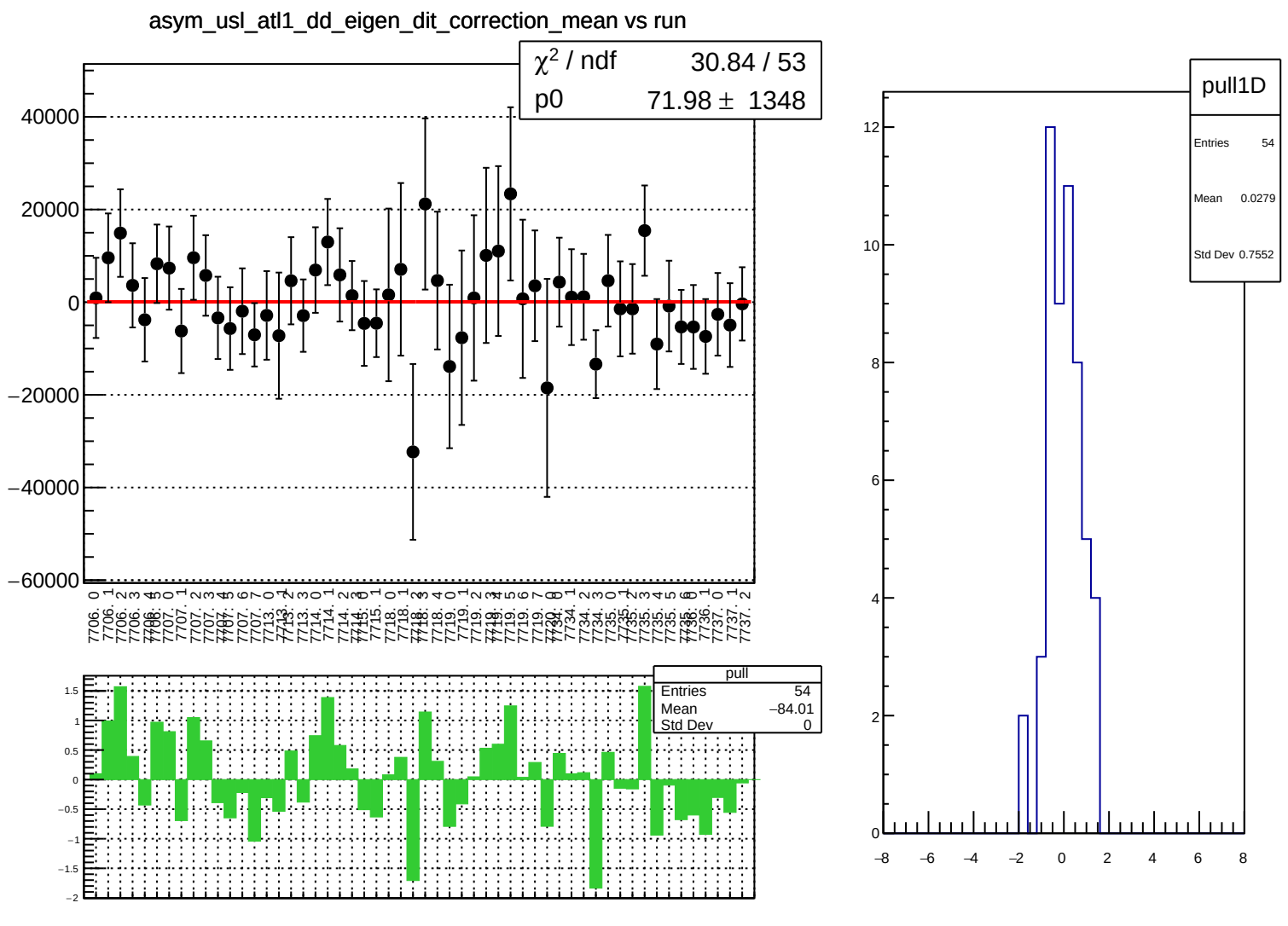

pull1D
Entries 54
Mean 0.0279
Std Dev 0.7552
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

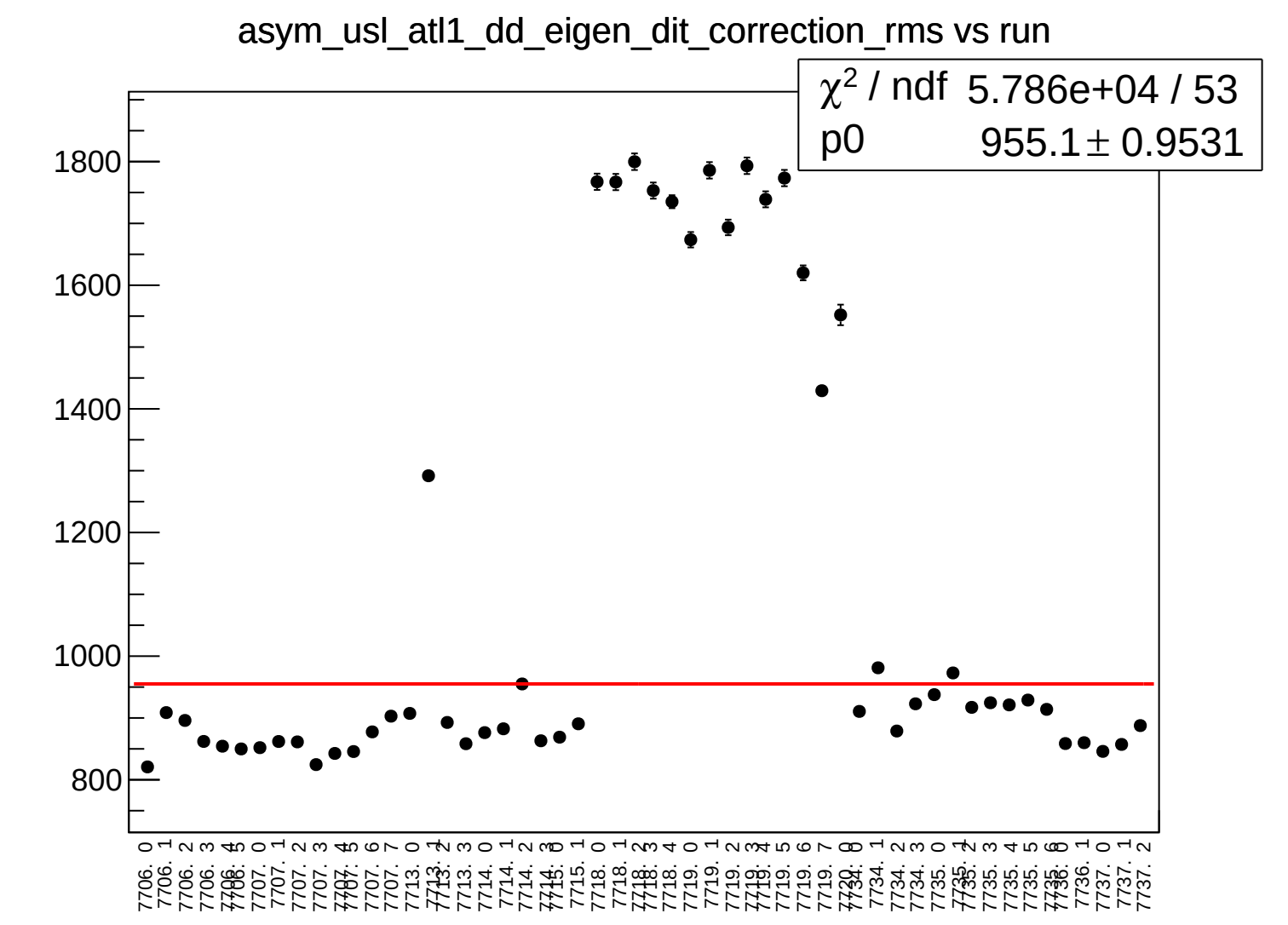

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 5.786e+04 / 53
p0 955.1 ± 0.9531
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

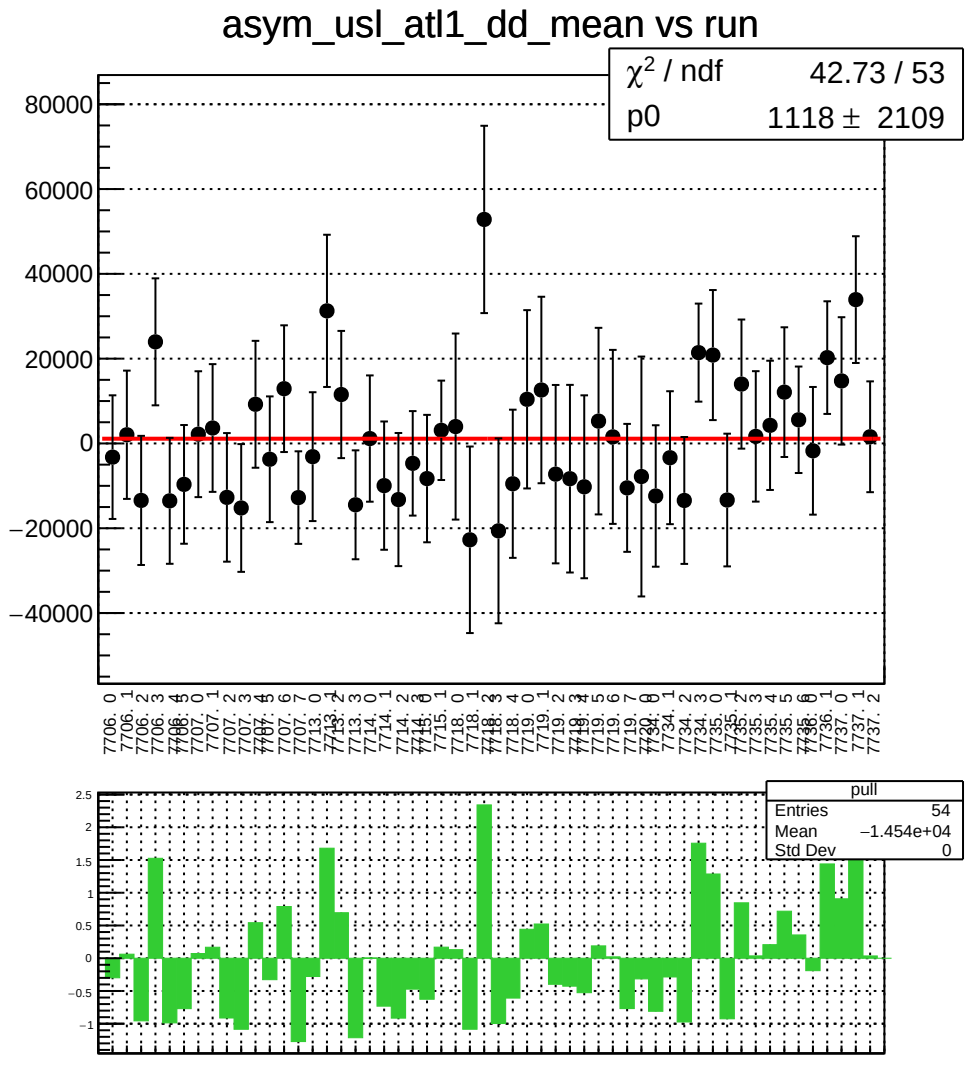

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 64.44 / 53
p0 1352 ± 1540
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 181.3
Std Dev 0
2
1
0
−1
−2

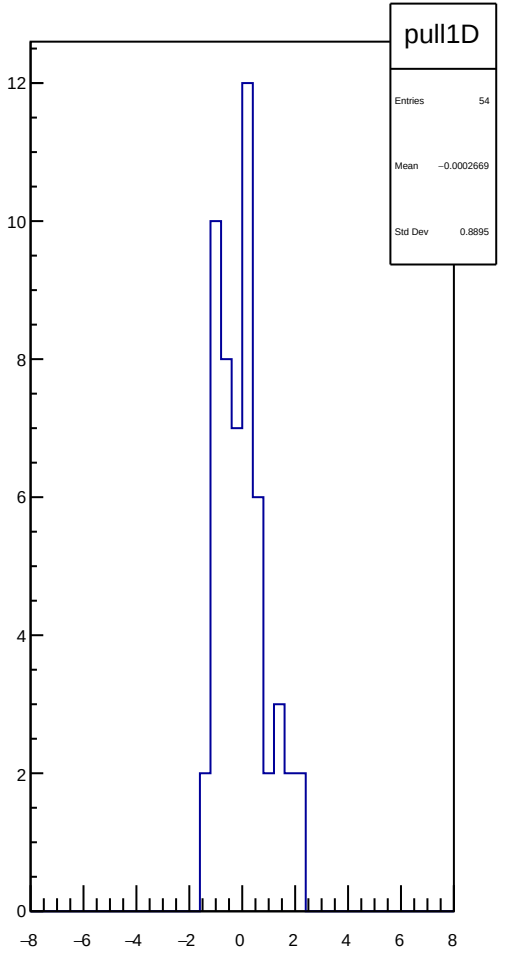

pull1D
Entries 54
Mean 0.01616
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

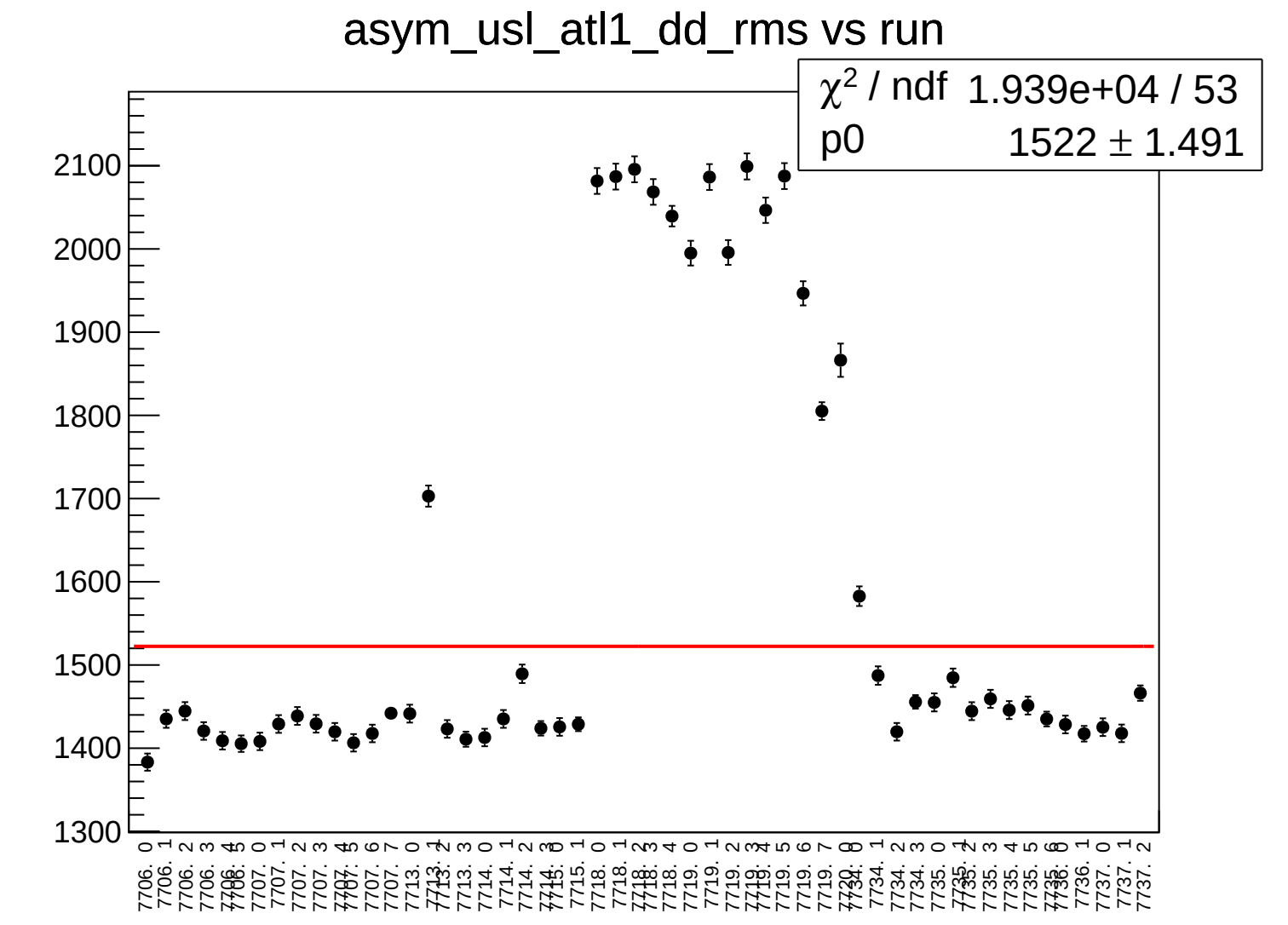

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 410.2 / 53
p0 1122 ± 1.089
1300
1250
1200
1150
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

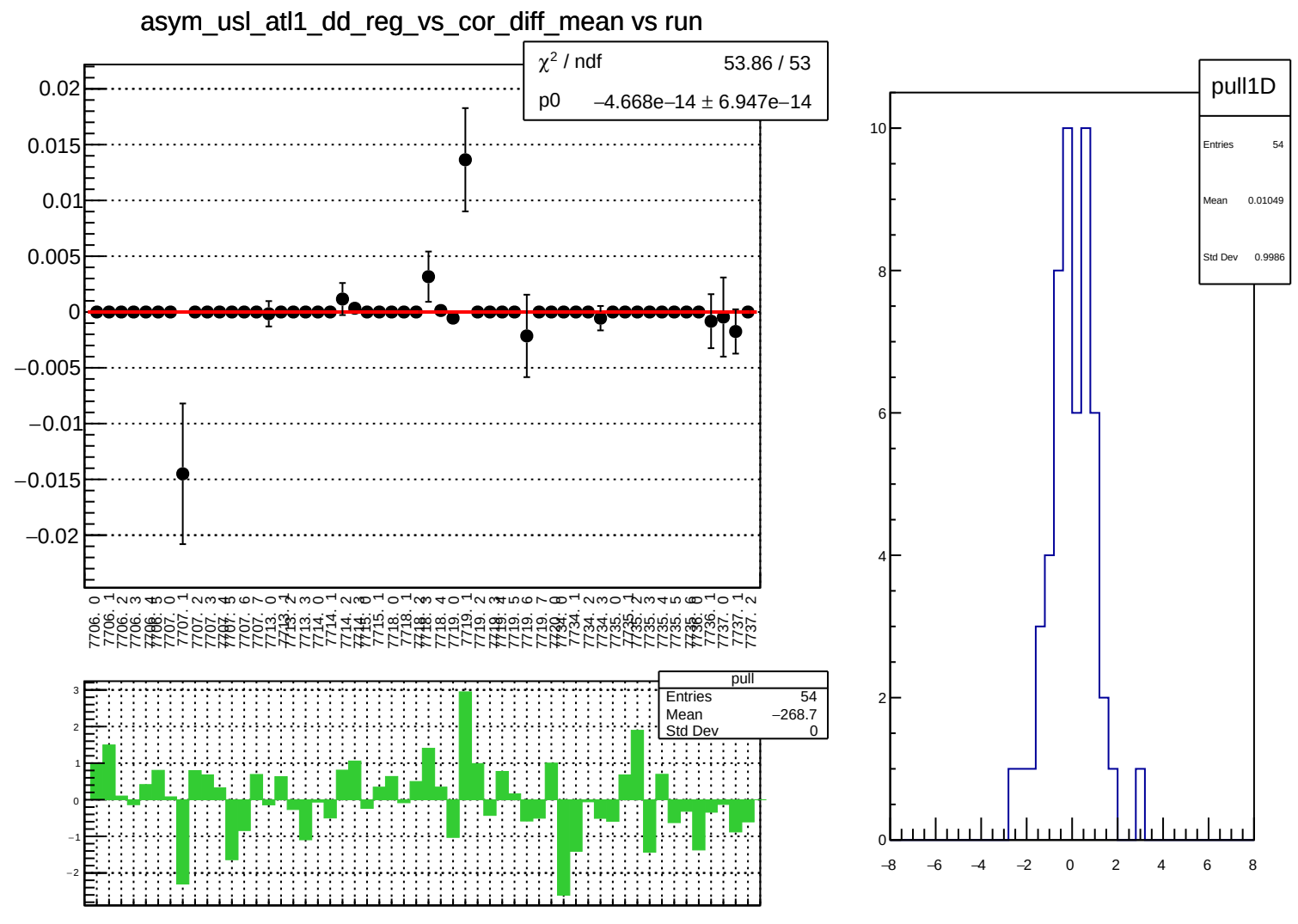

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 30.84 / 53
p0 71.98 ± 1348
pull
Entries 54
Mean −84.01
Std Dev 0
pull1D
Entries 54
Mean 0.0279
Std Dev 0.7552

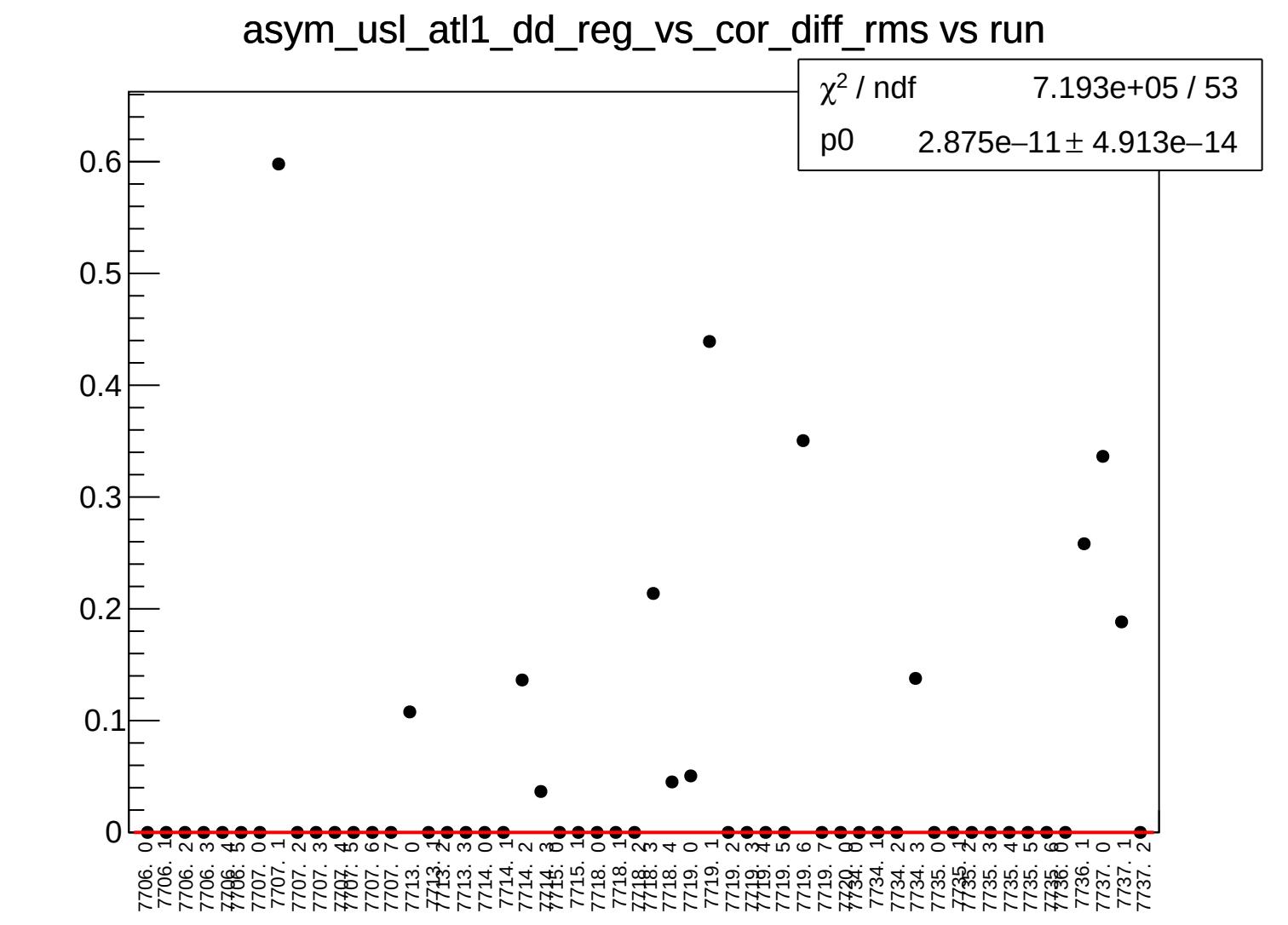

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.786e+04 / 53
p0 955.1 ± 0.9531
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

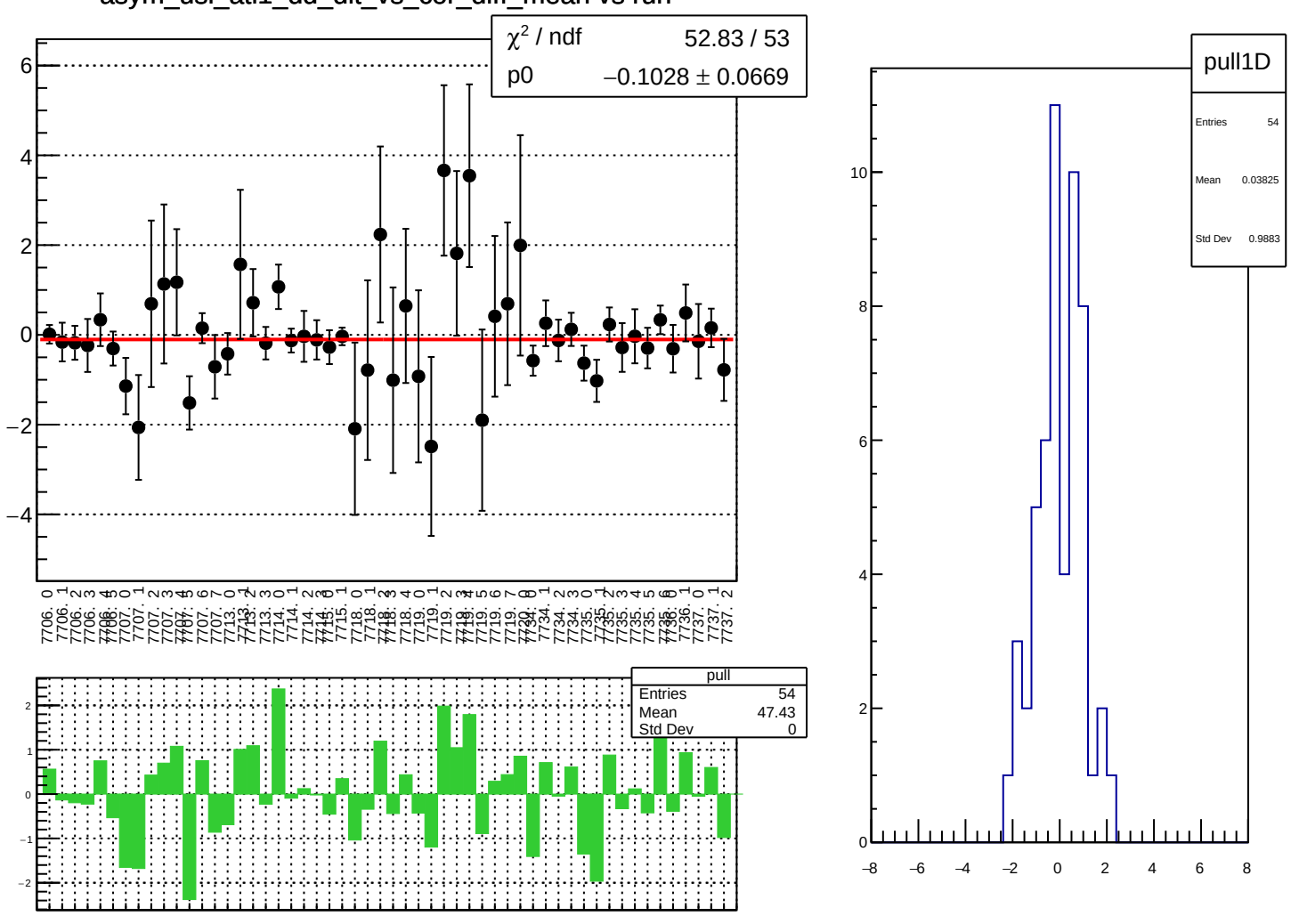

asym_usl_atl1_dd_mean vs run
χ² / ndf 42.73 / 53
p0 1118 ± 2109
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −1.454e+04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

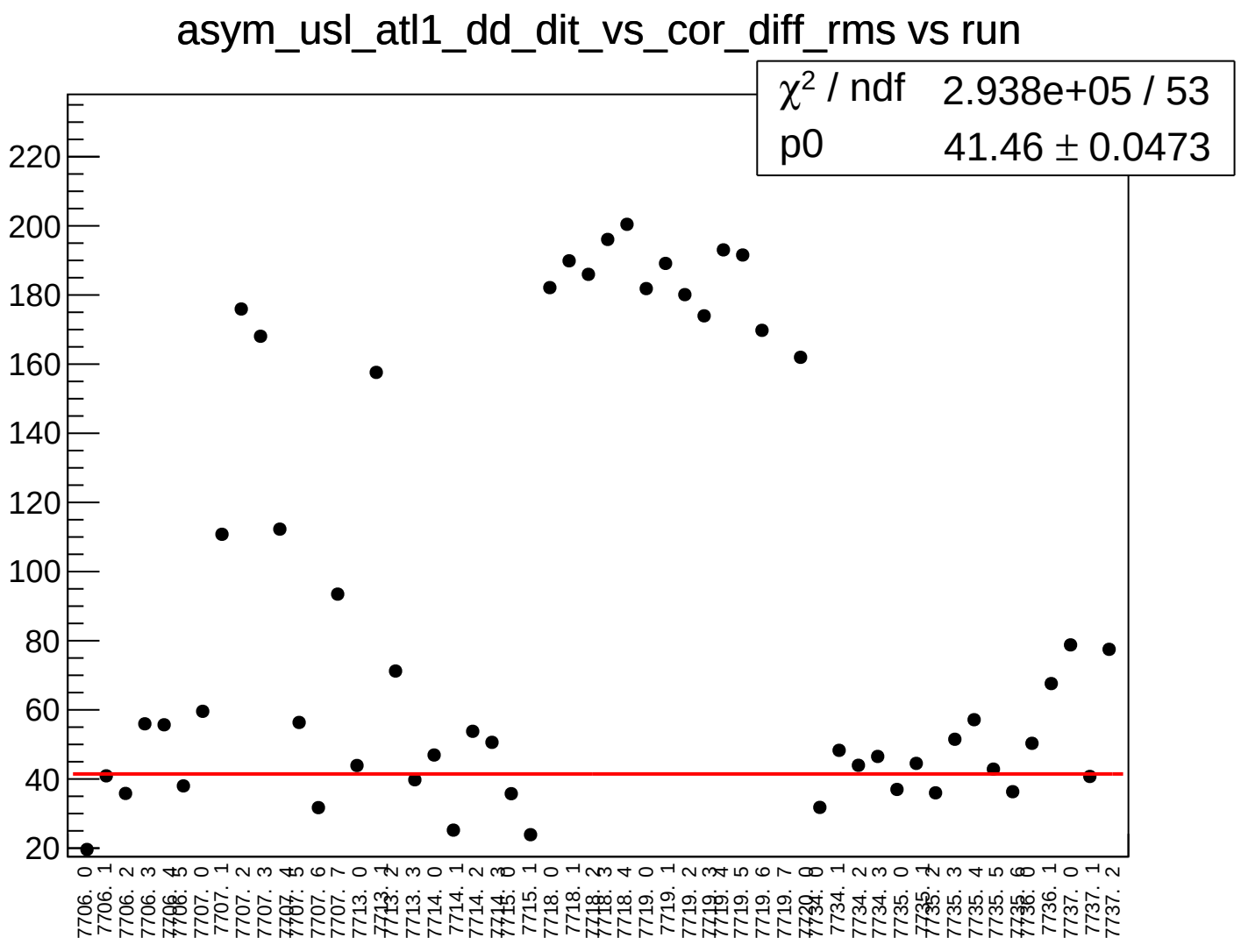

pull1D
Entries 54
Mean −0.0002669
Std Dev 0.8895
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

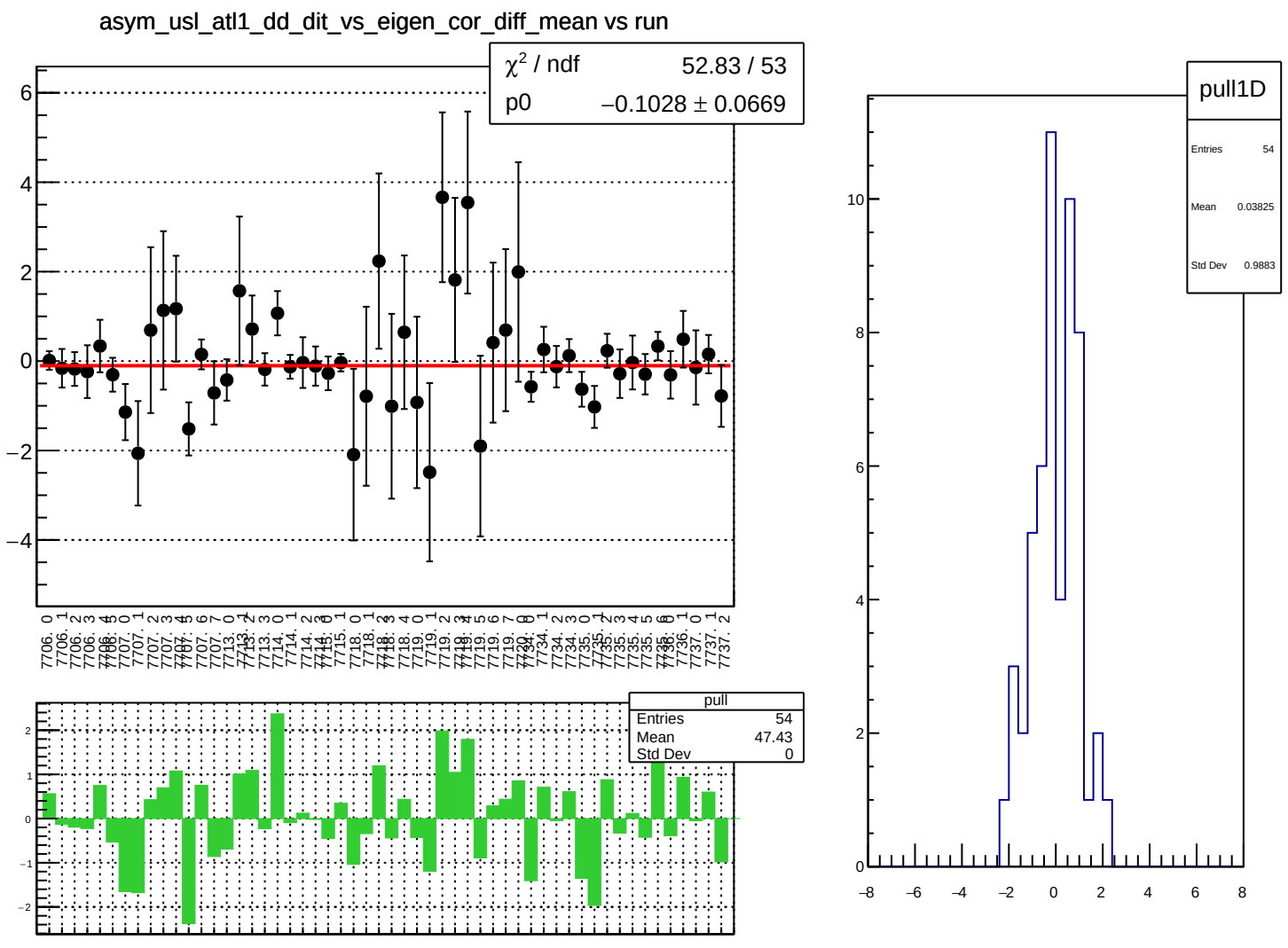

asym_usl_atl1_dd_rms vs run
χ² / ndf 1.939e+04 / 53
p0 1522 ± 1.491
2100
2000
1900
1800
1700
1600
1500
1400
1300

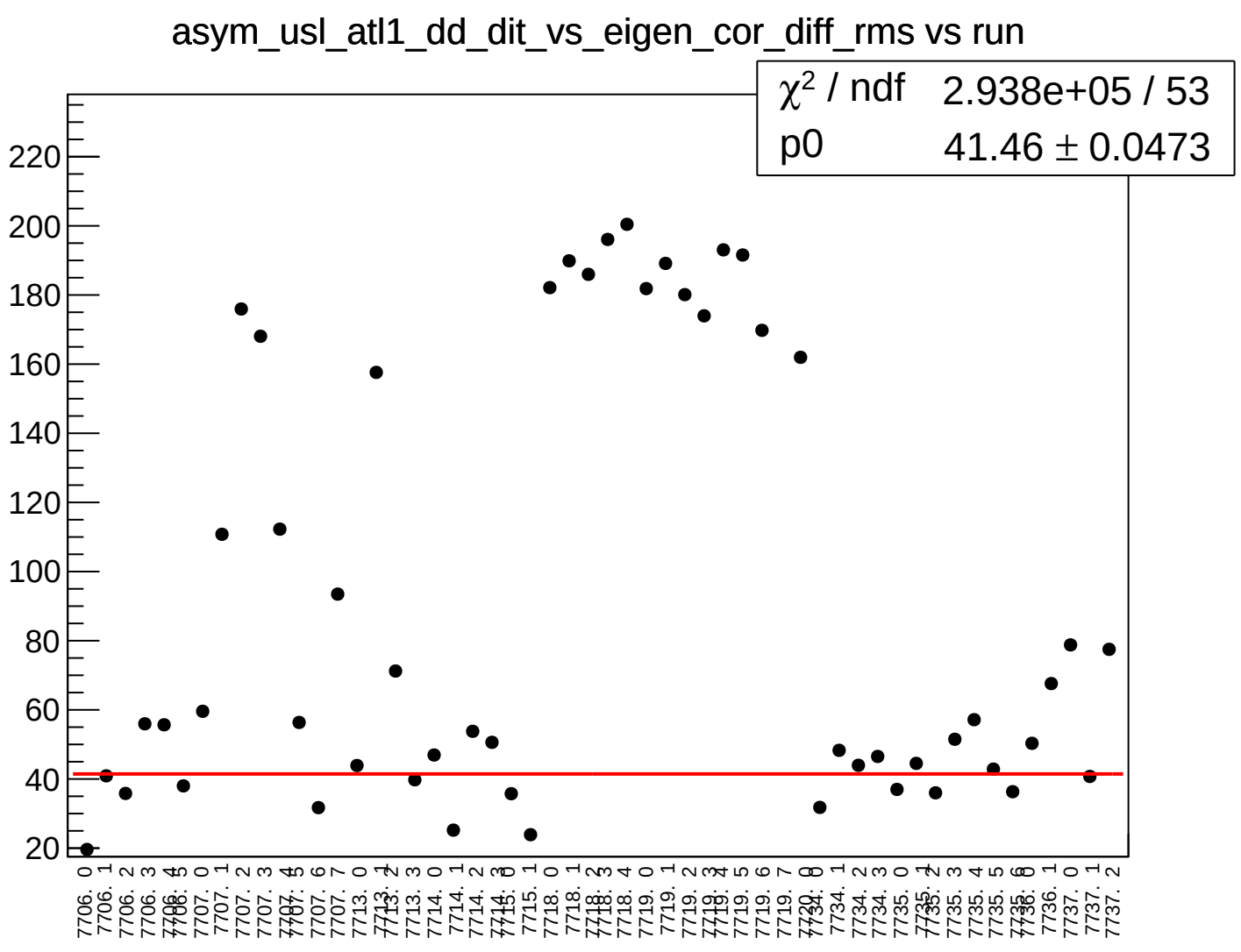

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.86 / 53
p0 −4.668e−14 ± 6.947e−14
pull
Entries 54
Mean −268.7
Std Dev 0
pull1D
Entries 54
Mean 0.01049
Std Dev 0.9986

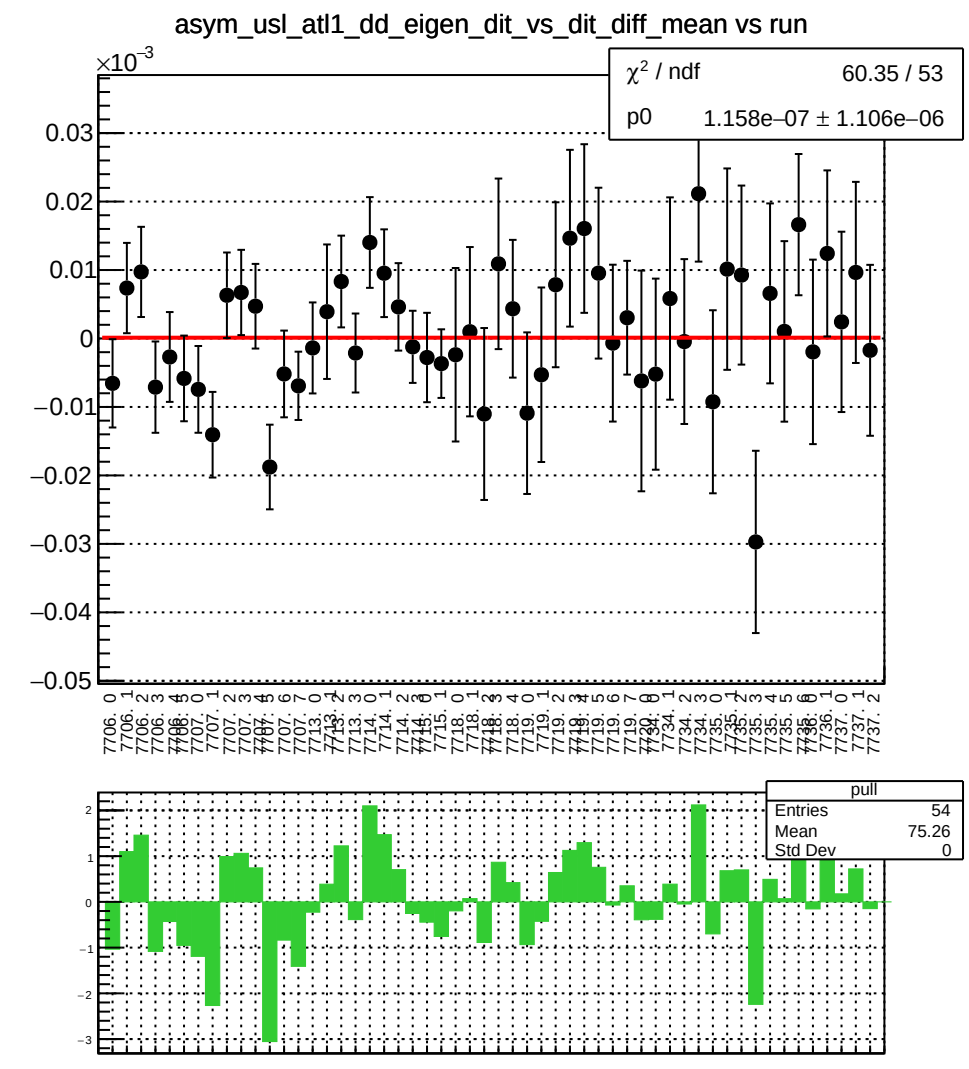

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.193e+05 / 53
p0 2.875e−11 ± 4.913e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

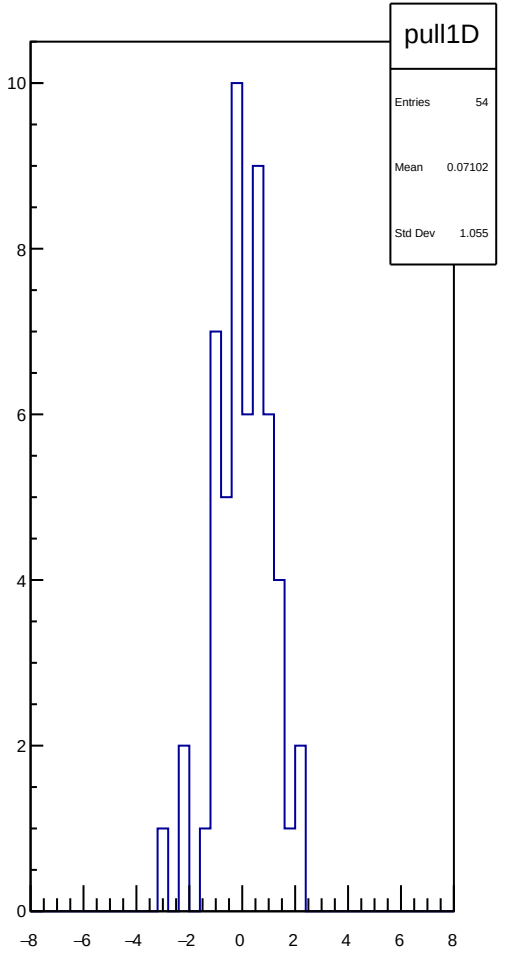

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.83 / 53
p0 −0.1028 ± 0.0669
pull
Entries 54
Mean 47.43
Std Dev 0
pull1D
Entries 54
Mean 0.03825
Std Dev 0.9883

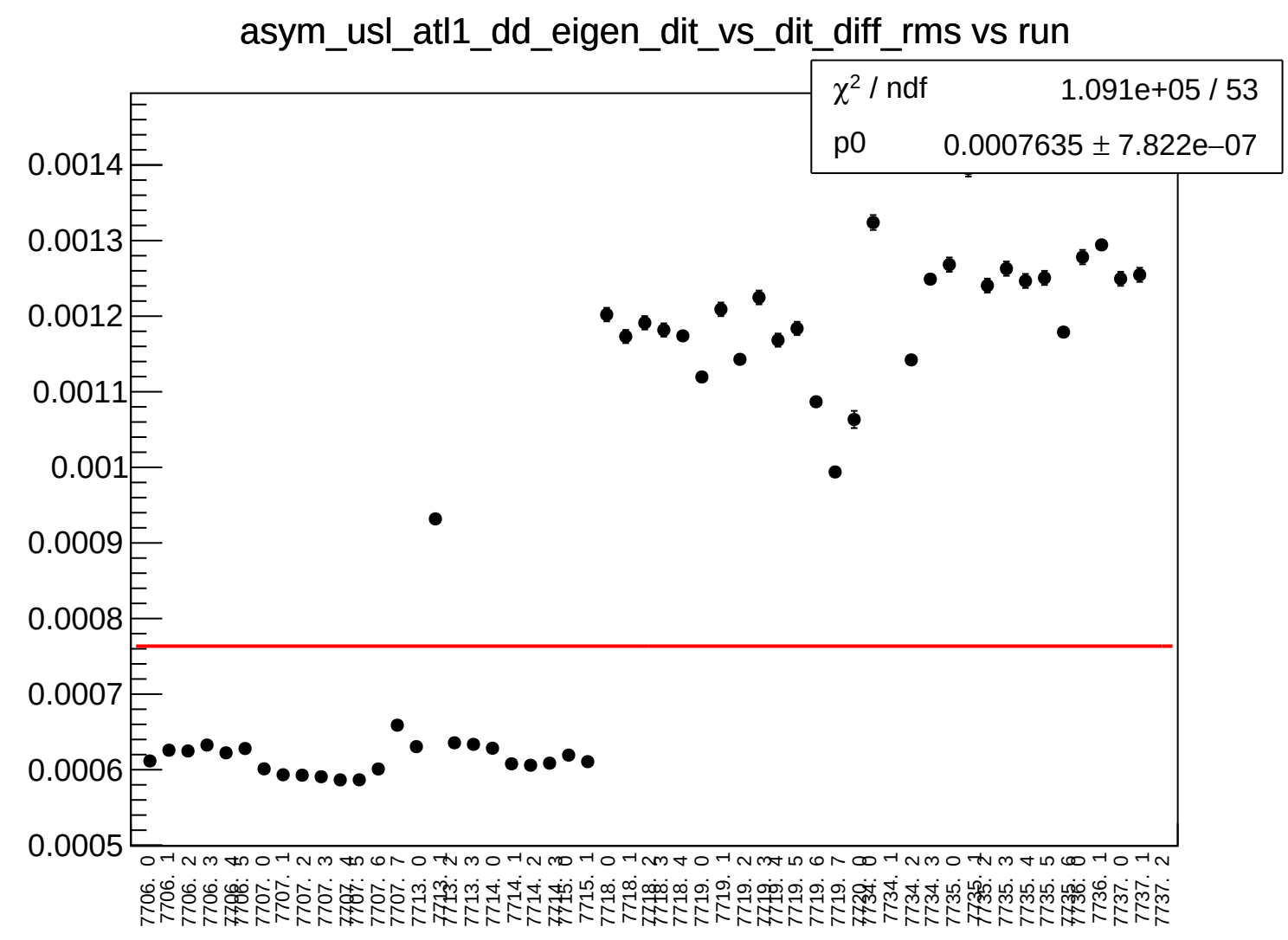

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.938e+05 / 53
p0 41.46 ± 0.0473
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

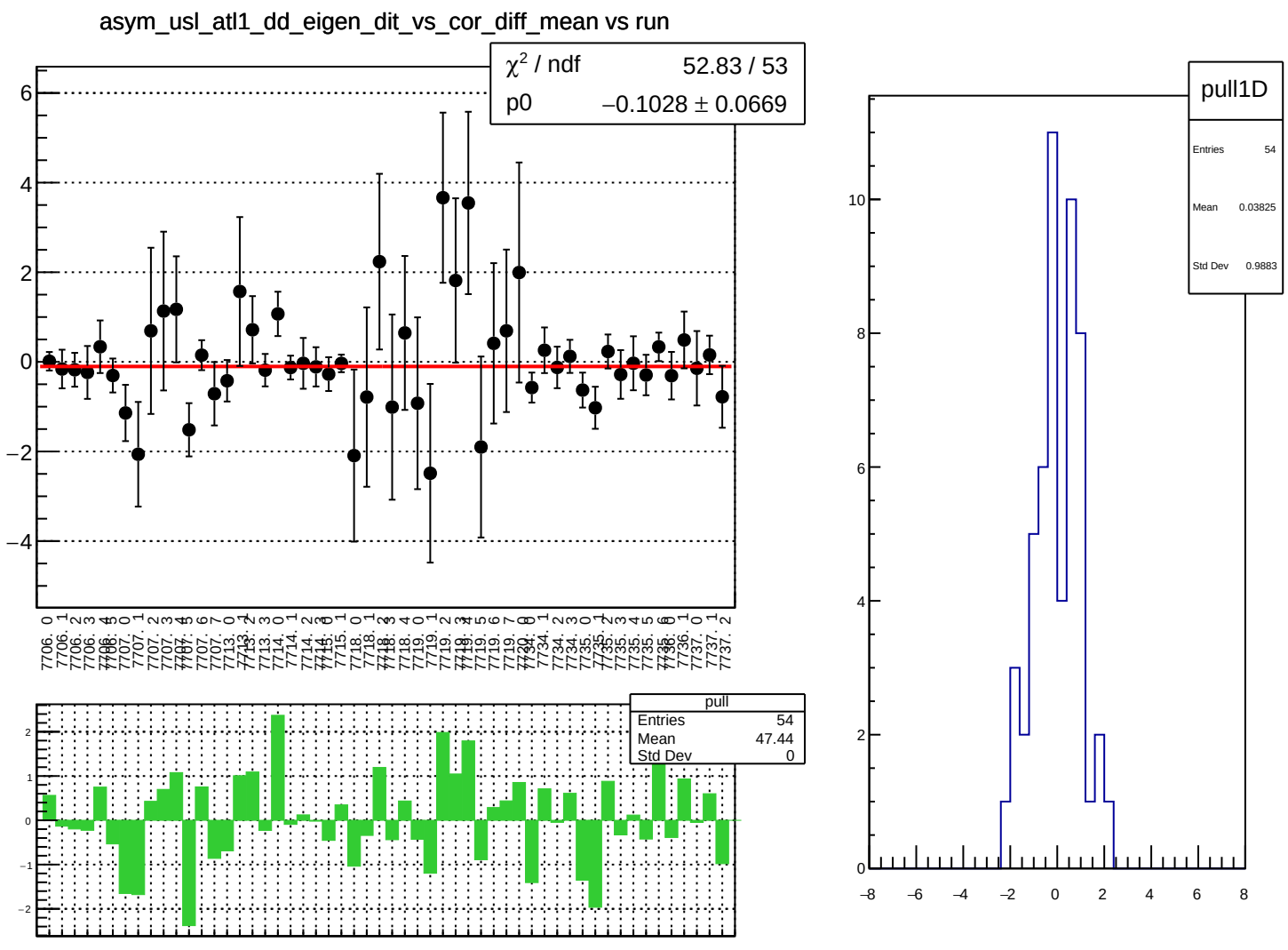

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.83 / 53
p0 −0.1028 ± 0.0669
pull
Entries 54
Mean 47.43
Std Dev 0
pull1D
Entries 54
Mean 0.03825
Std Dev 0.9883

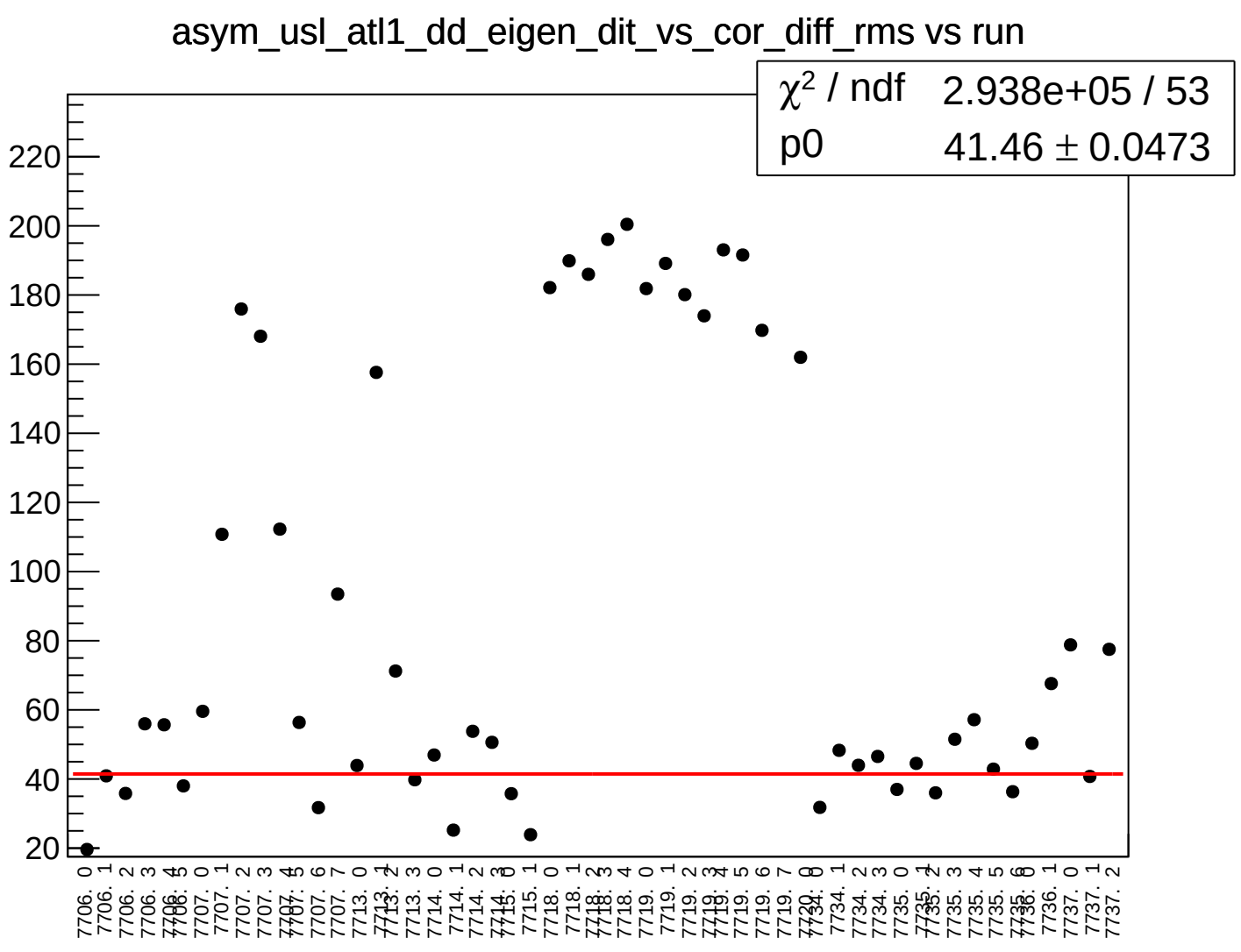

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.938e+05 / 53
p0 41.46 ± 0.0473
220
200
180
160
140
120
100
80
60
40
20


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.35 / 53
p0 1.158e−07 ± 1.106e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 54
Mean 75.26
Std Dev 0
2
1
0
−1
−2
−3

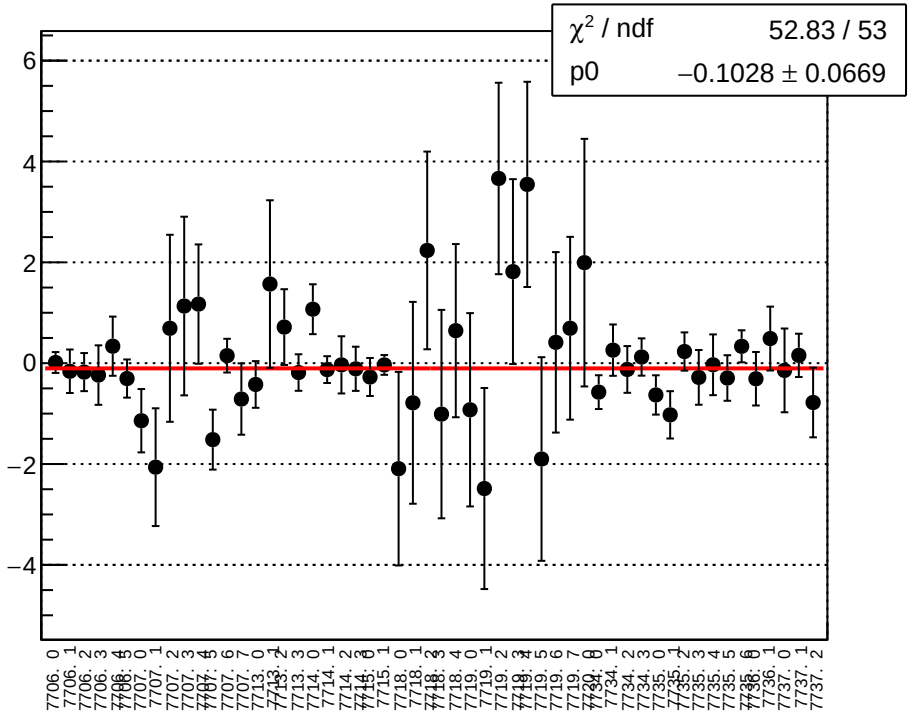

pull1D
Entries 54
Mean 0.07102
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

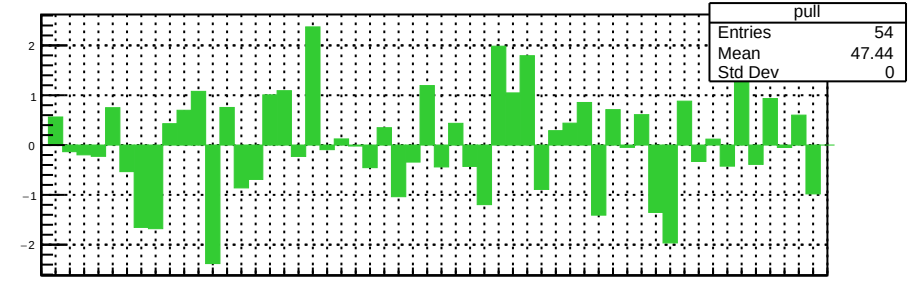

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.091e+05 / 53
p0 0.0007635 ± 7.822e−07
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005

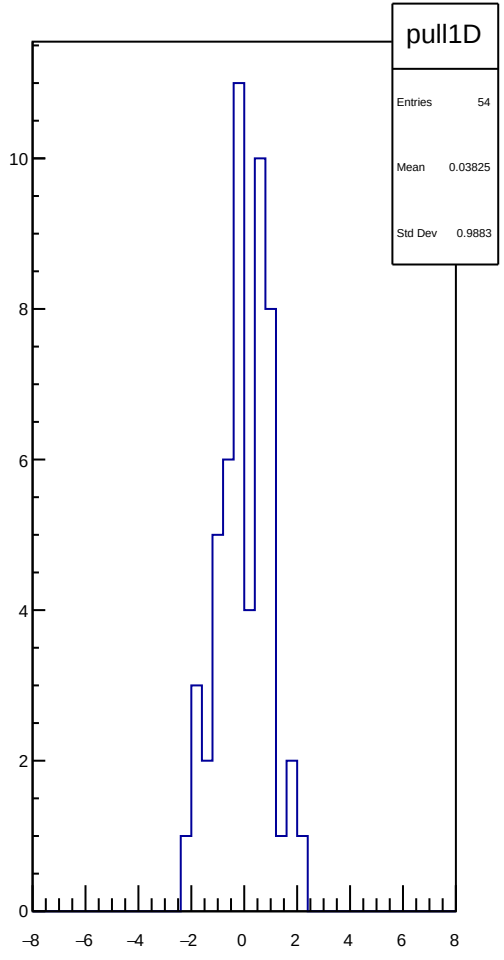

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.83 / 53
p0 −0.1028 ± 0.0669
pull
Entries 54
Mean 47.44
Std Dev 0
pull1D
Entries 54
Mean 0.03825
Std Dev 0.9883

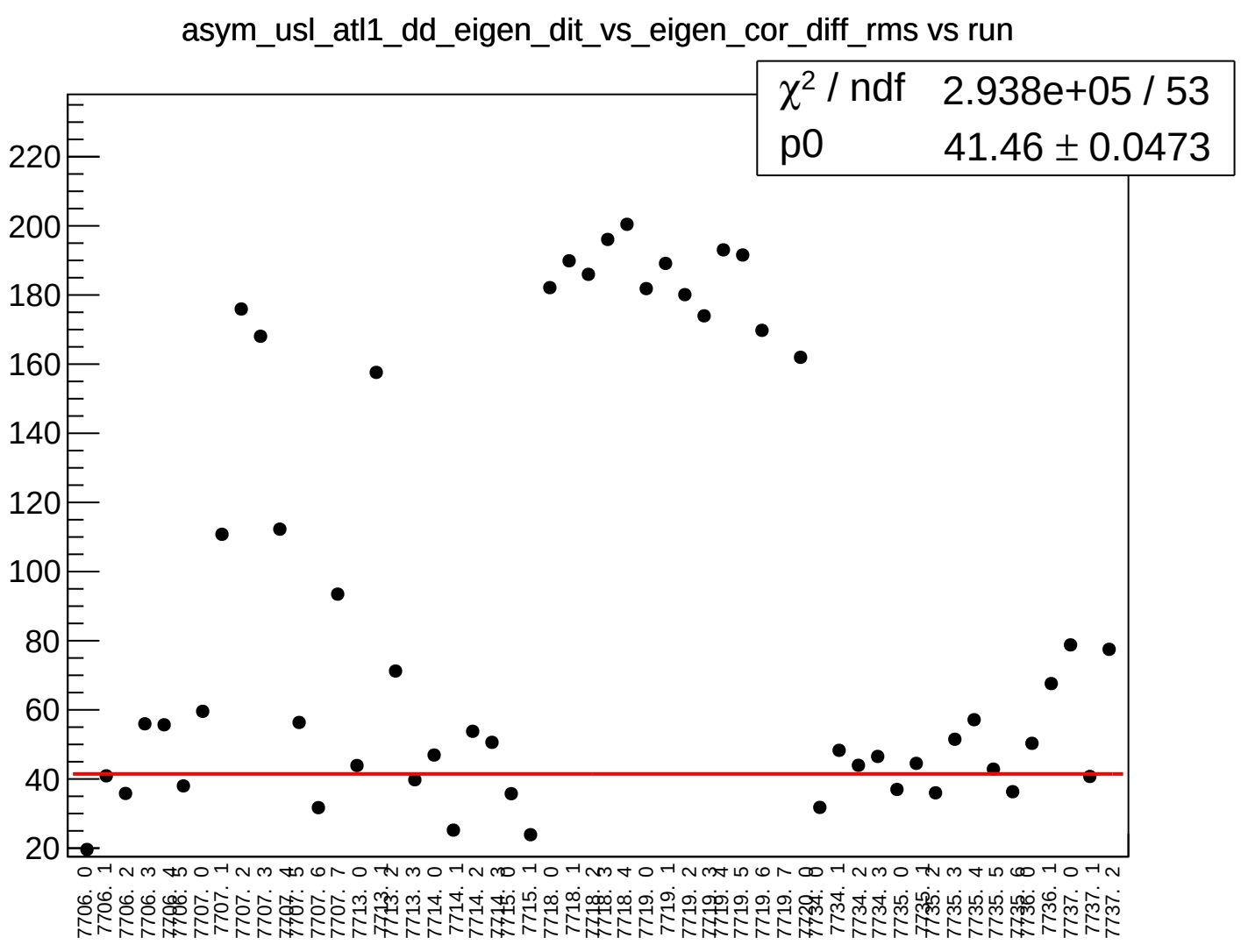

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.938e+05 / 53
p0 41.46 ± 0.0473
220
200
180
160
140
120
100
80
60
40
20

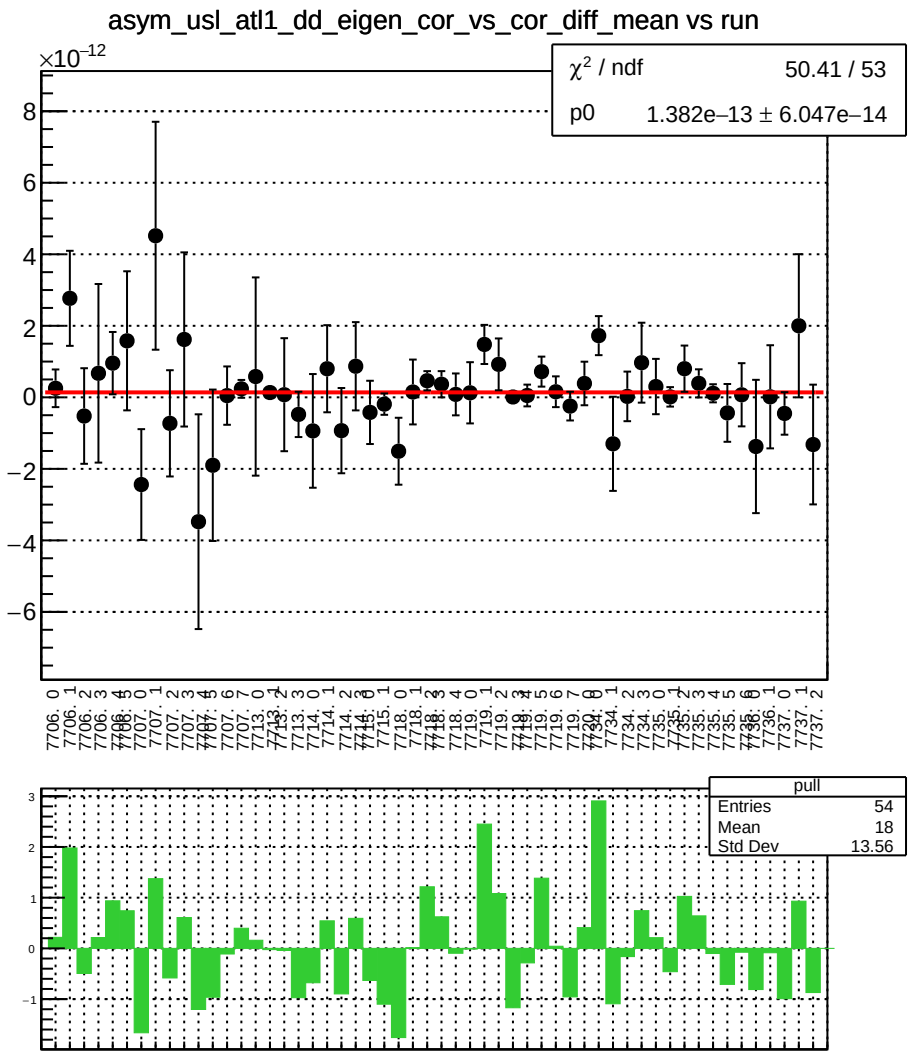
asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

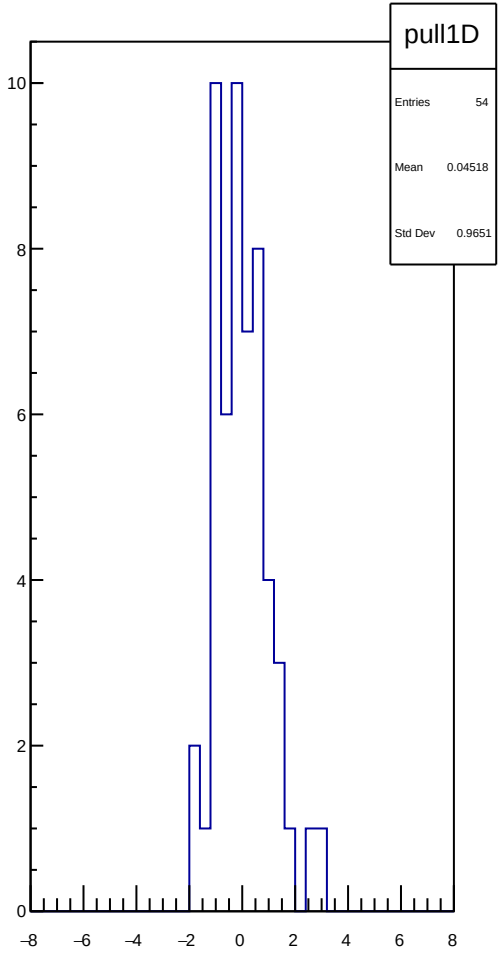


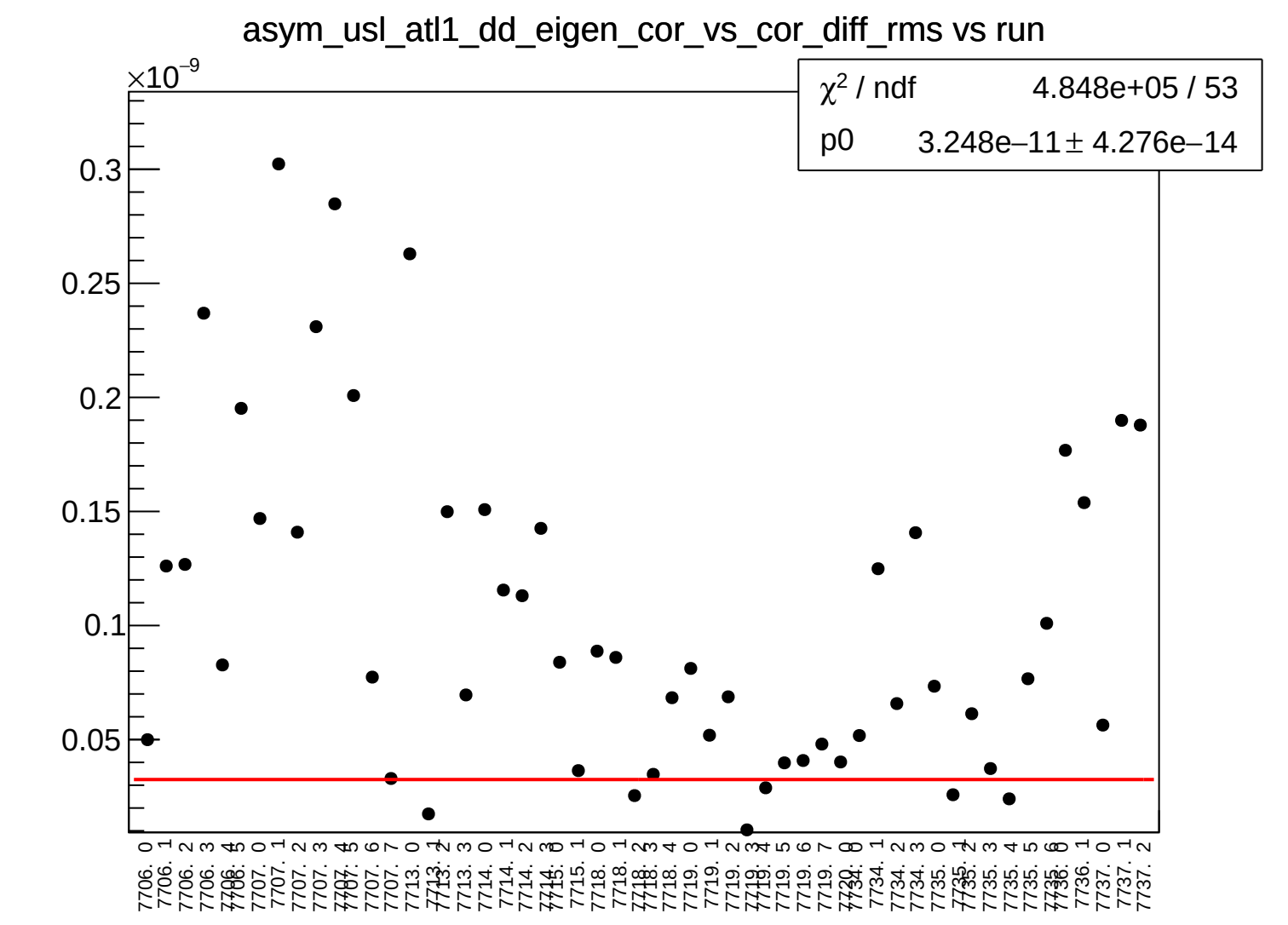


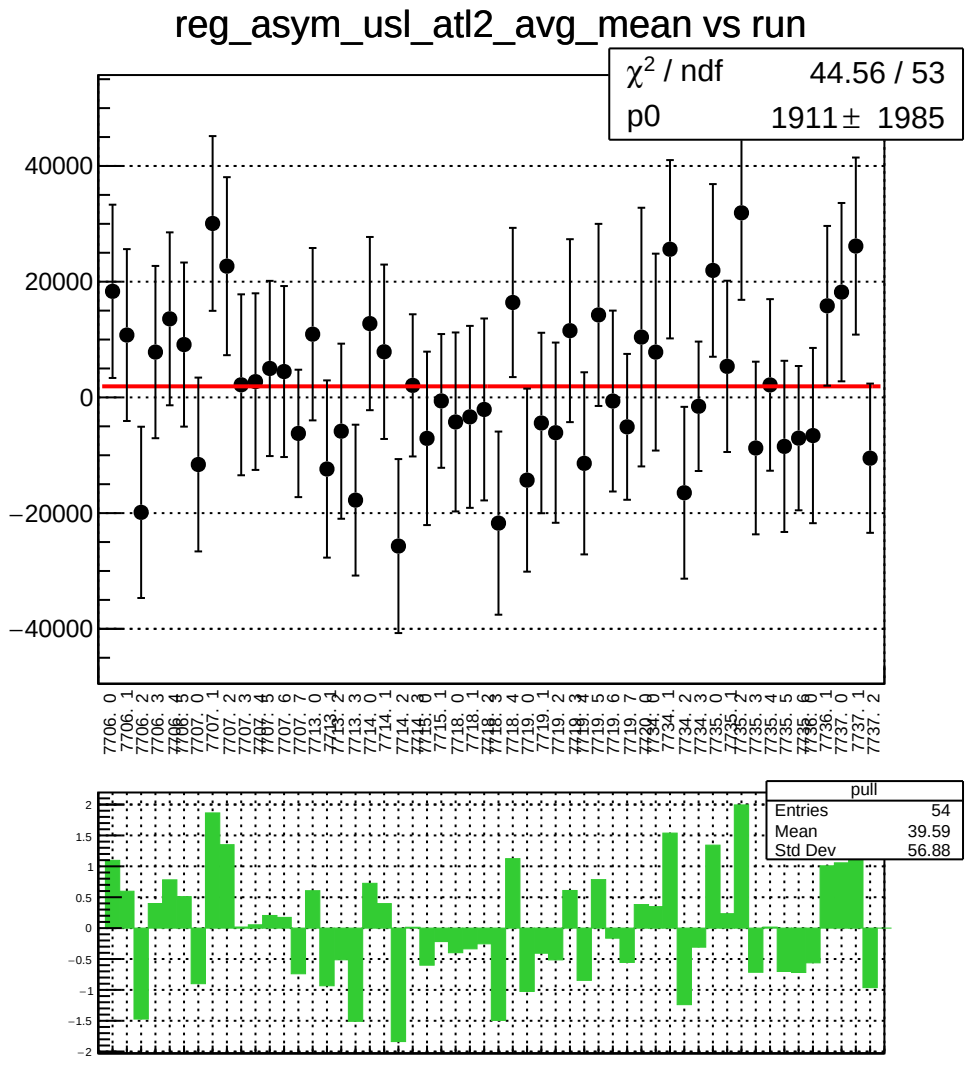


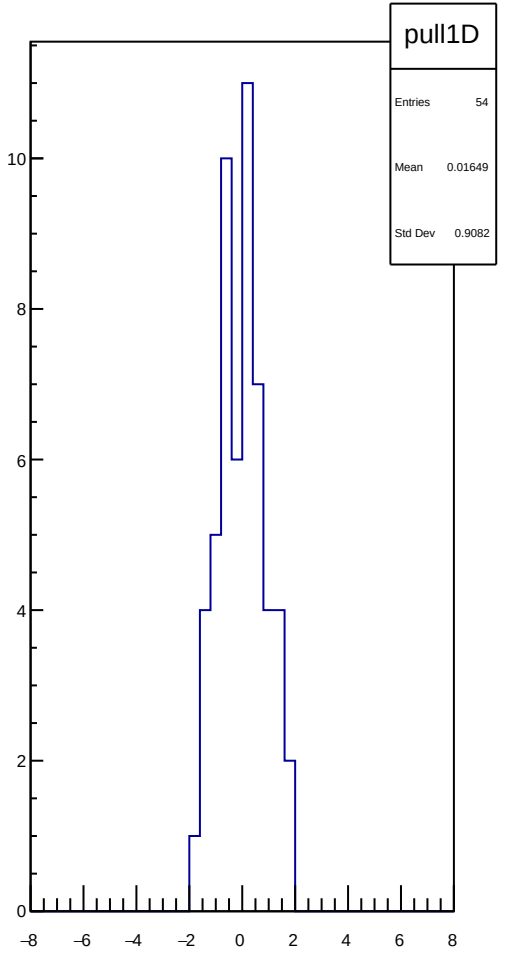

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.938e+05 / 53
p0 41.46 ± 0.0473
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

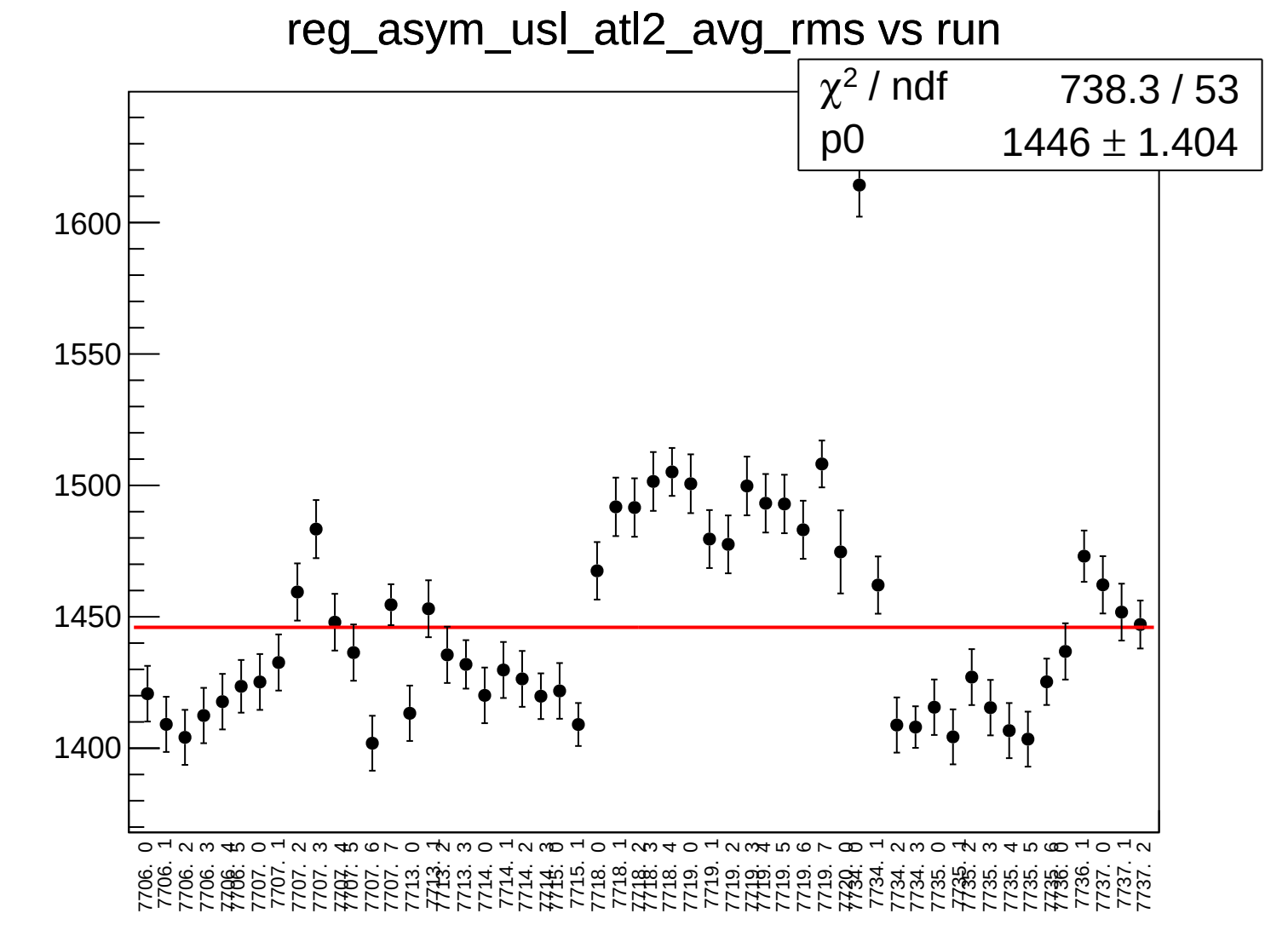

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.41 / 53
p0 1.382e−13 ± 6.047e−14
pull
Entries 54
Mean 18
Std Dev 13.56

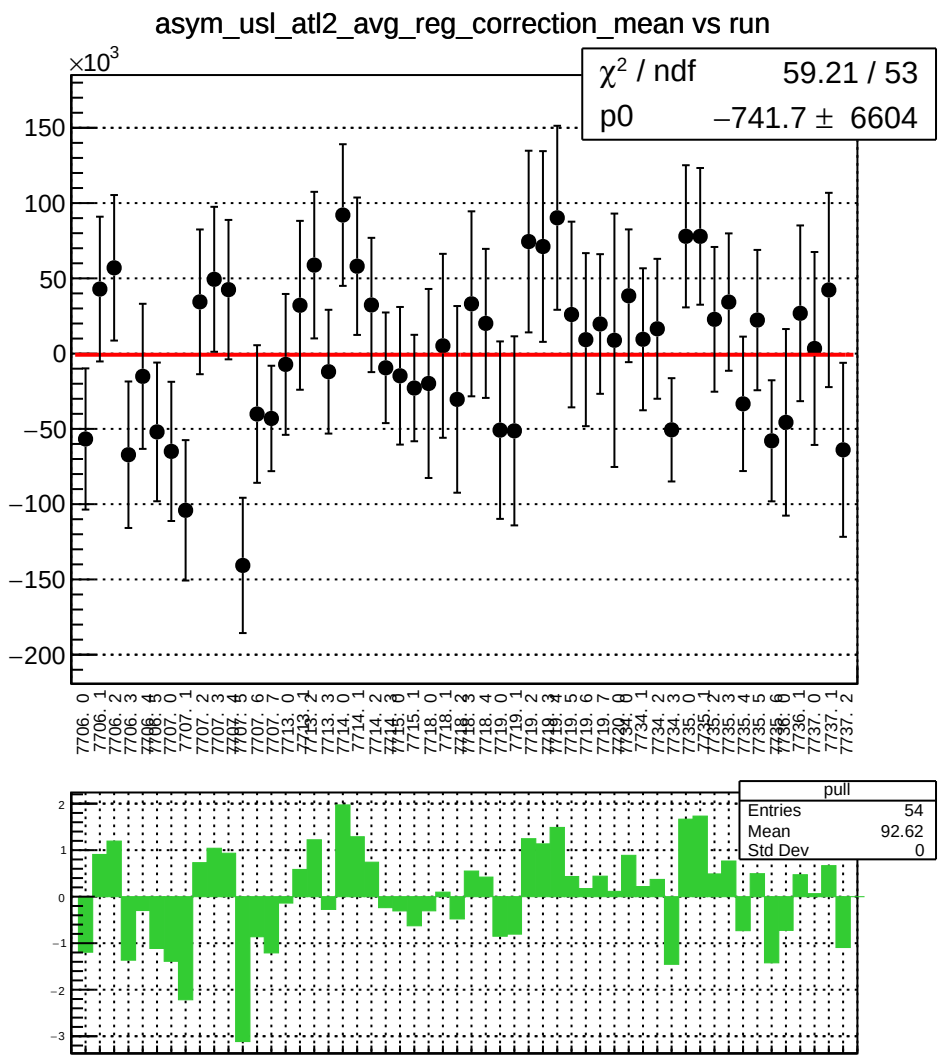

pull1D
Entries 54
Mean 0.04518
Std Dev 0.9651

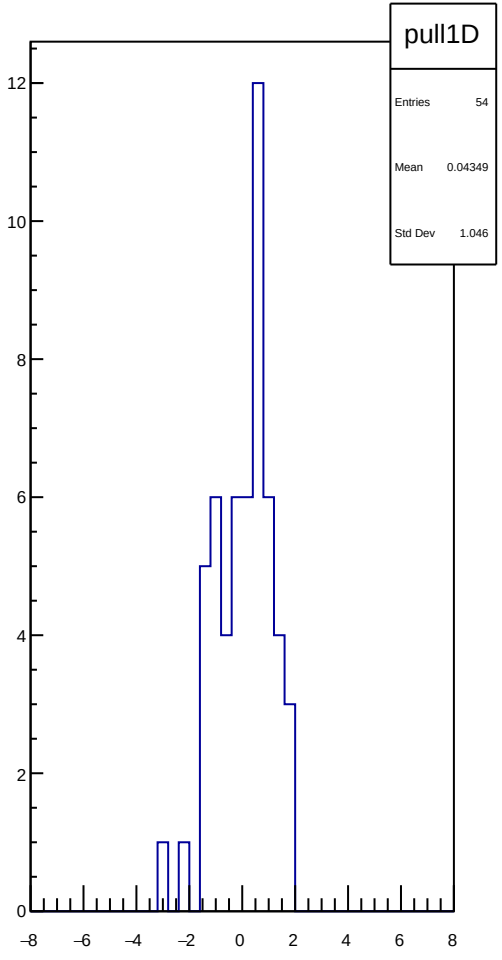

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.848e+05 / 53
p0 3.248e−11 ± 4.276e−14
0.3
0.25
0.2
0.15
0.1
0.05

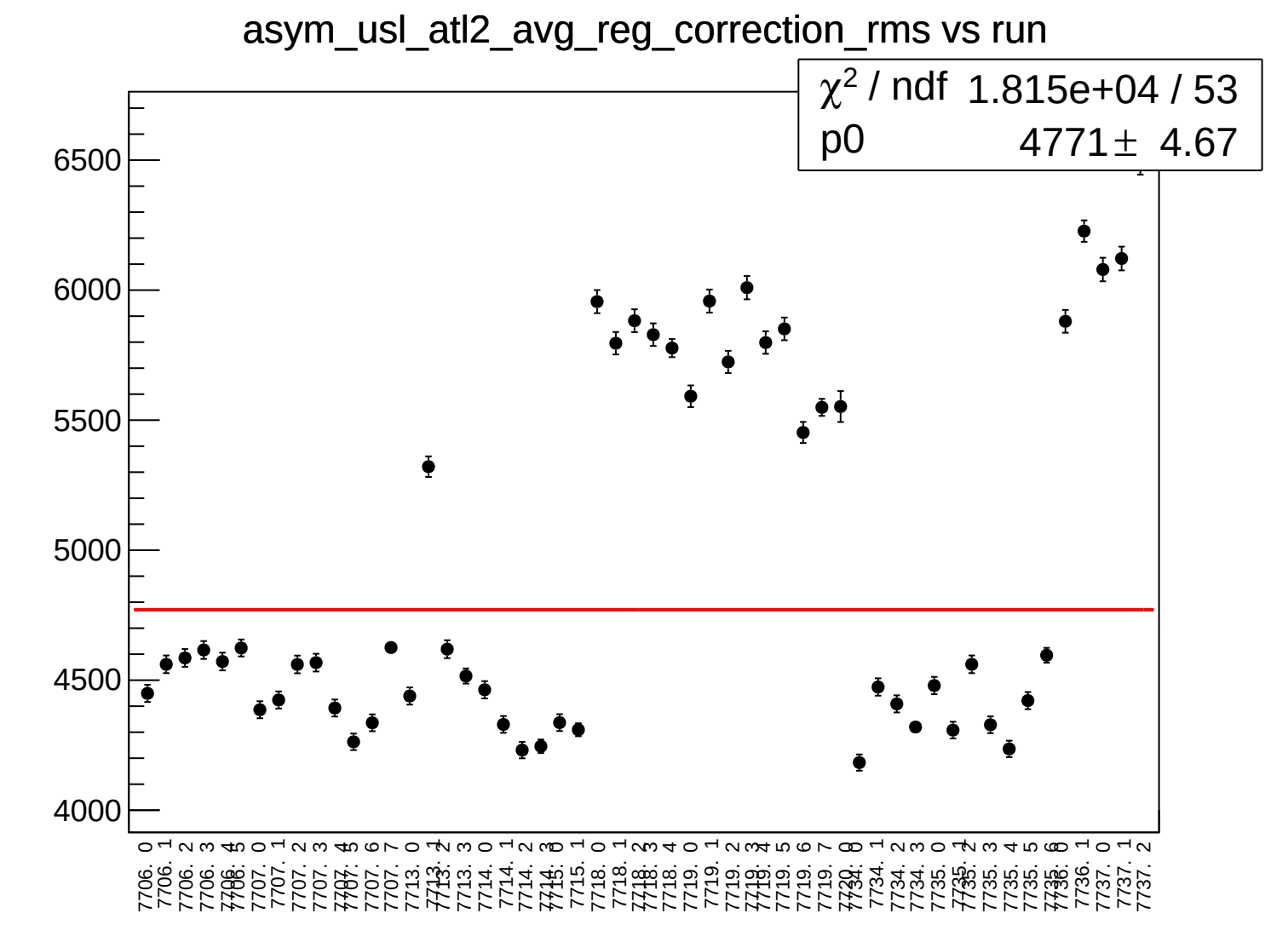

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.56 / 53
p0 1911 ± 1985
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 39.59
Std Dev 56.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

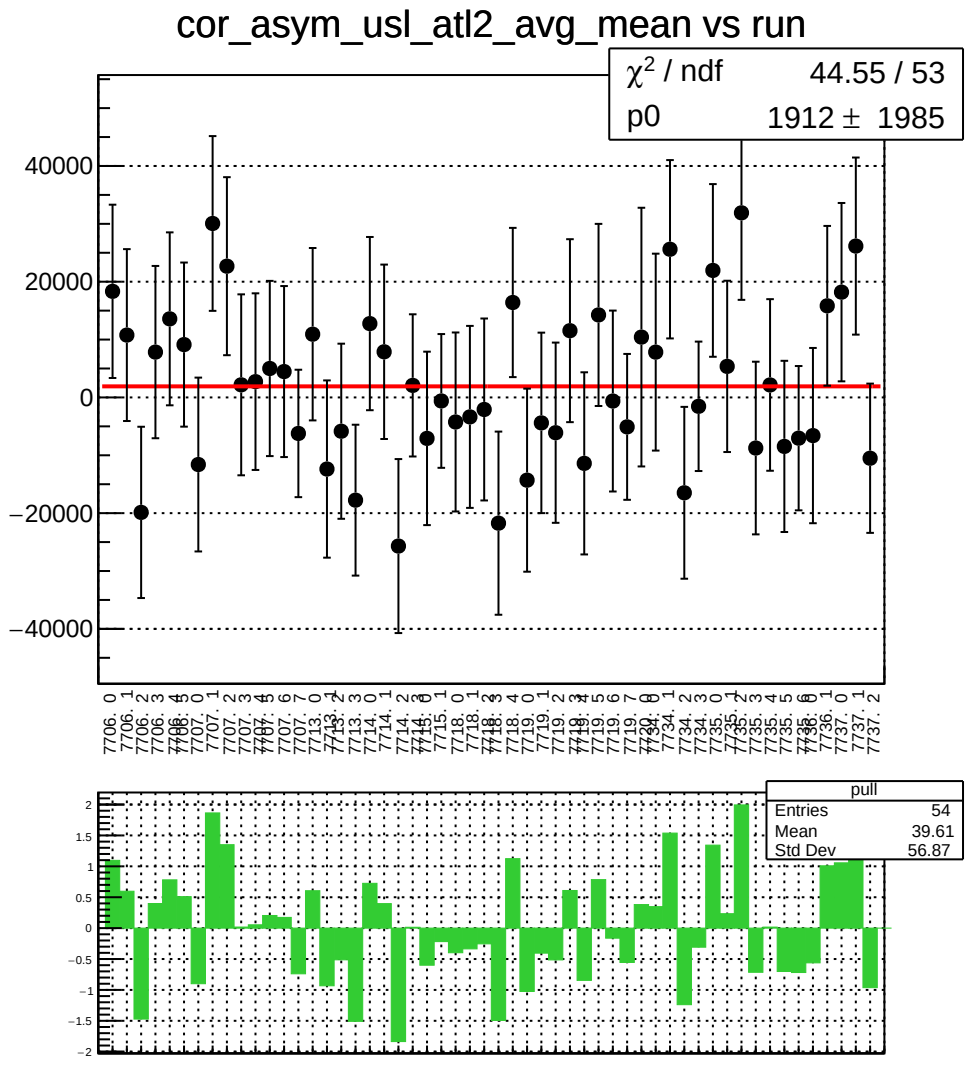

pull1D
Entries 54
Mean 0.01649
Std Dev 0.9082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

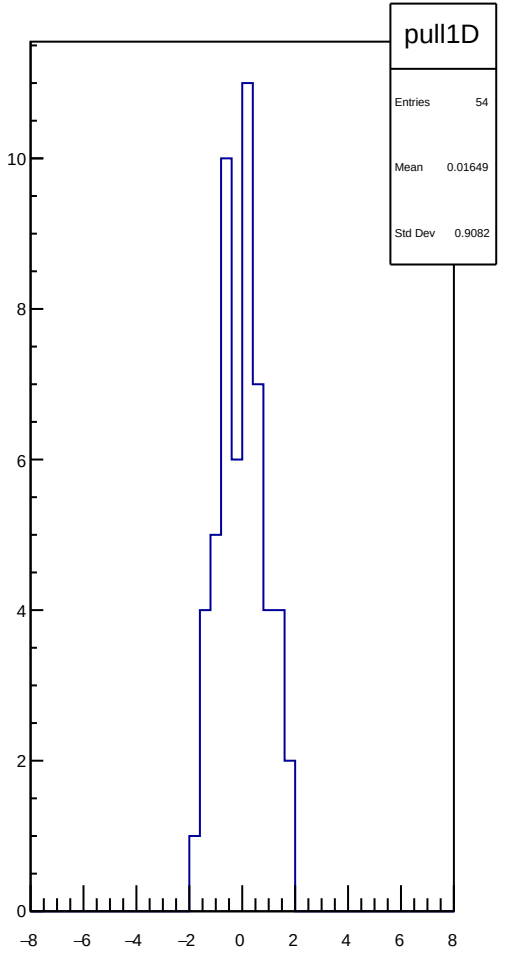

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 738.3 / 53
p0 1446 ± 1.404
1600
1550
1500
1450
1400

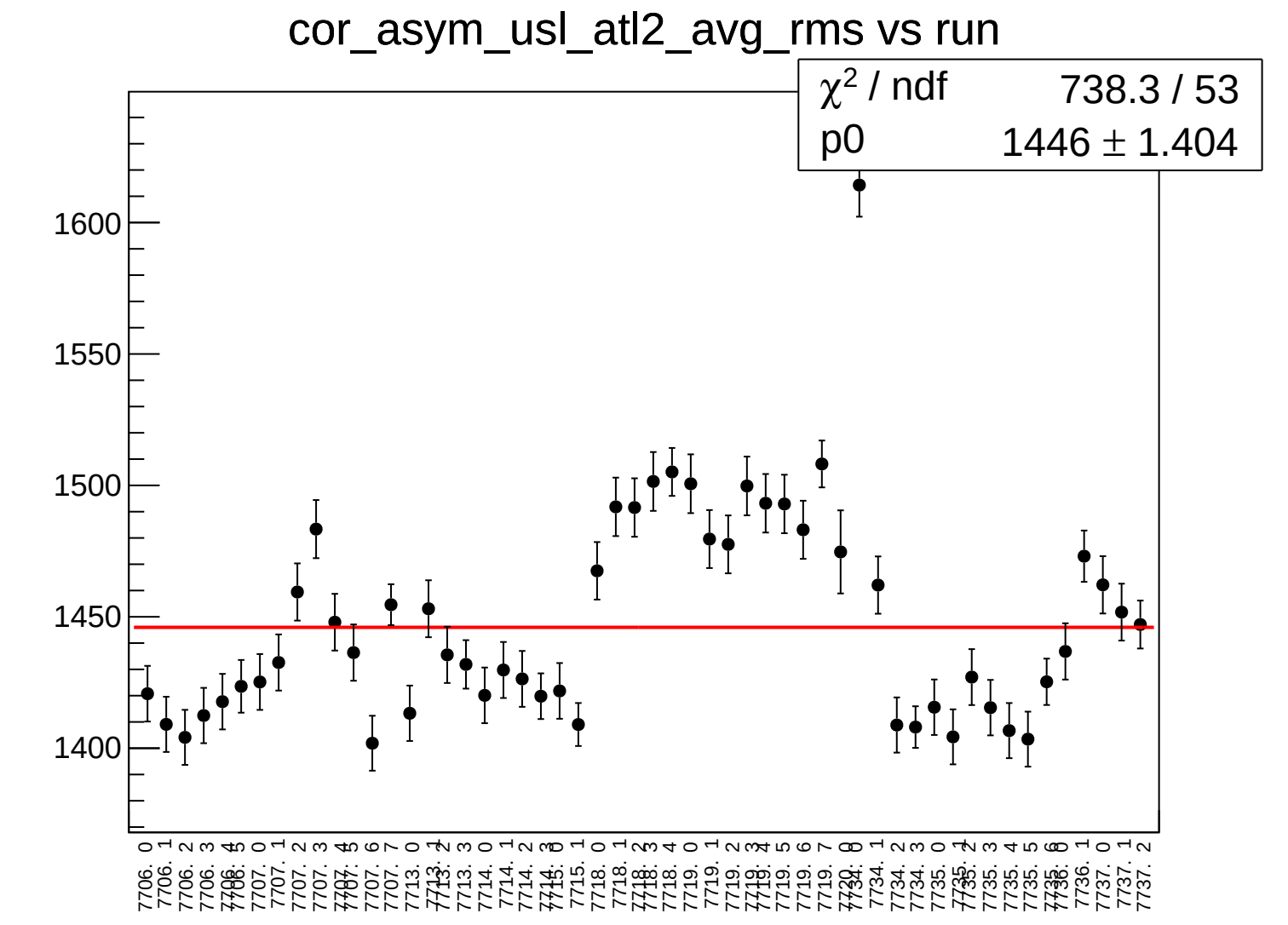

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.21 / 53
p0 −741.7 ± 6604
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 92.62
Std Dev 0
2
1
0
−1
−2
−3

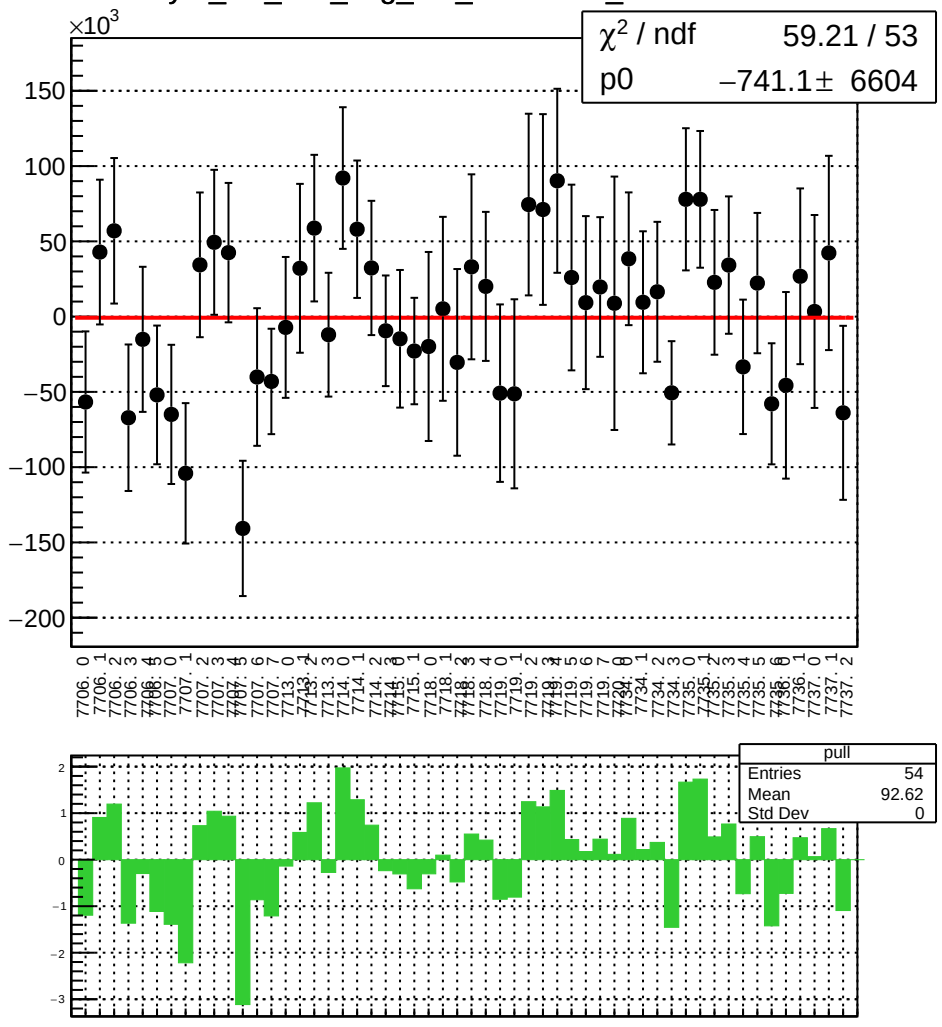

pull1D
Entries 54
Mean 0.04349
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

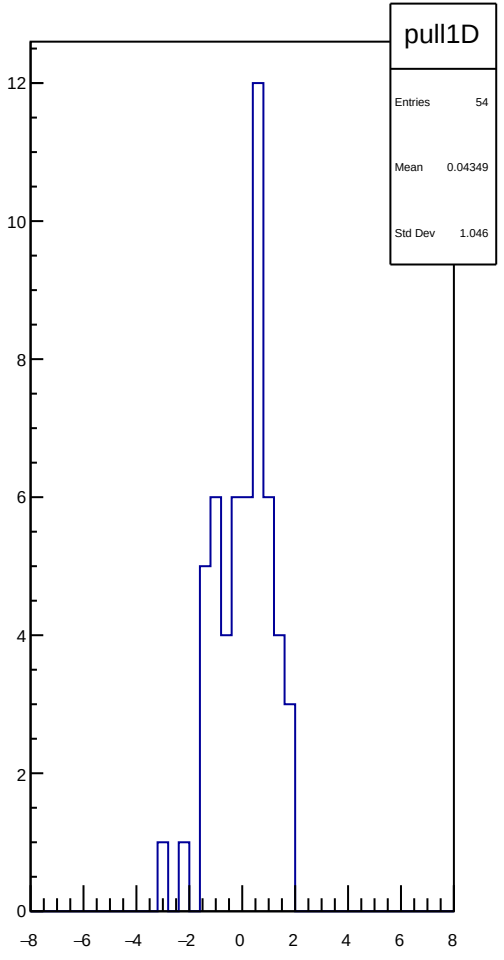

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1.815e+04 / 53
p0 4771 ± 4.67
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

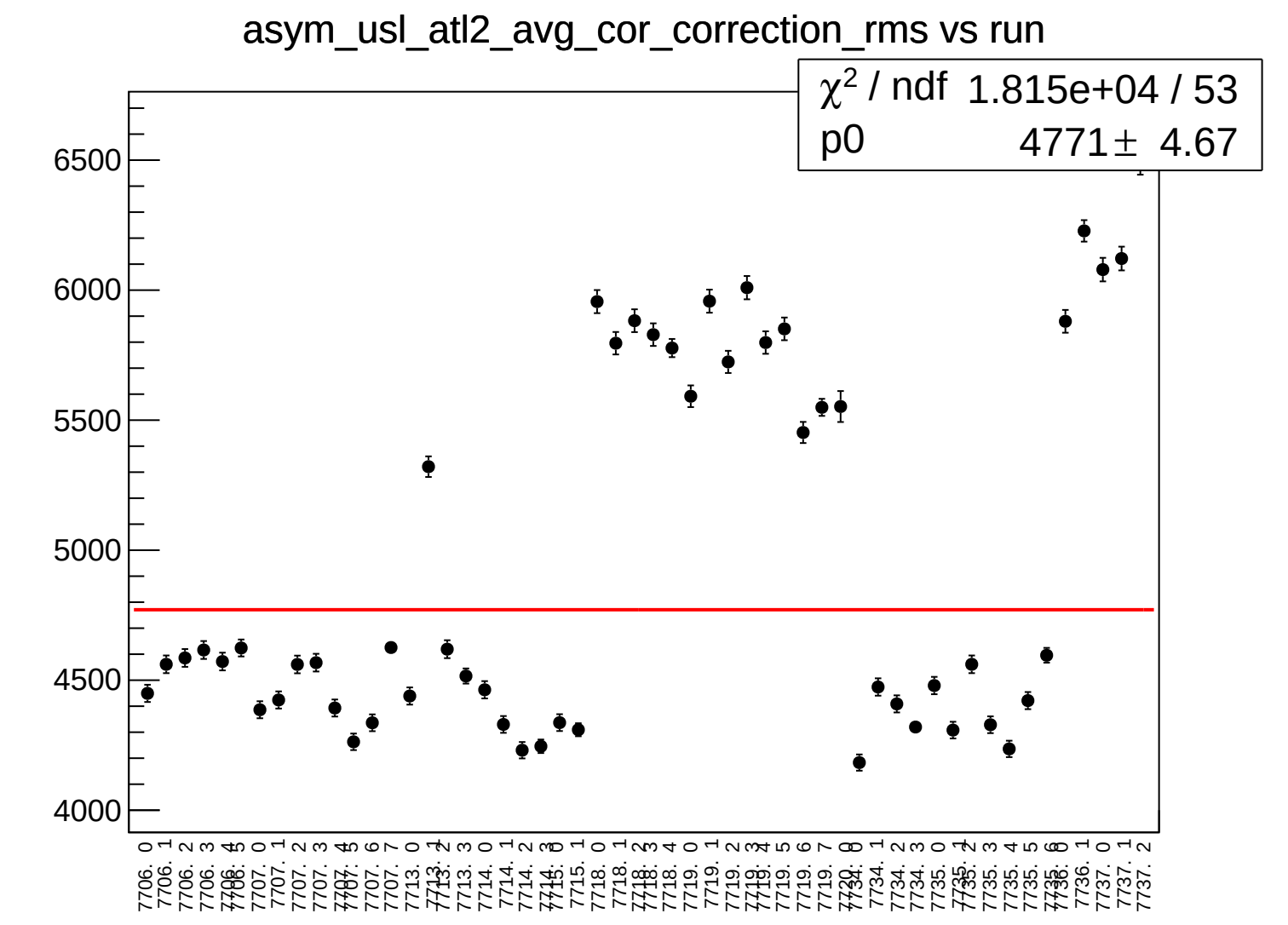

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.55 / 53
p0 1912 ± 1985
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 39.61
Std Dev 56.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

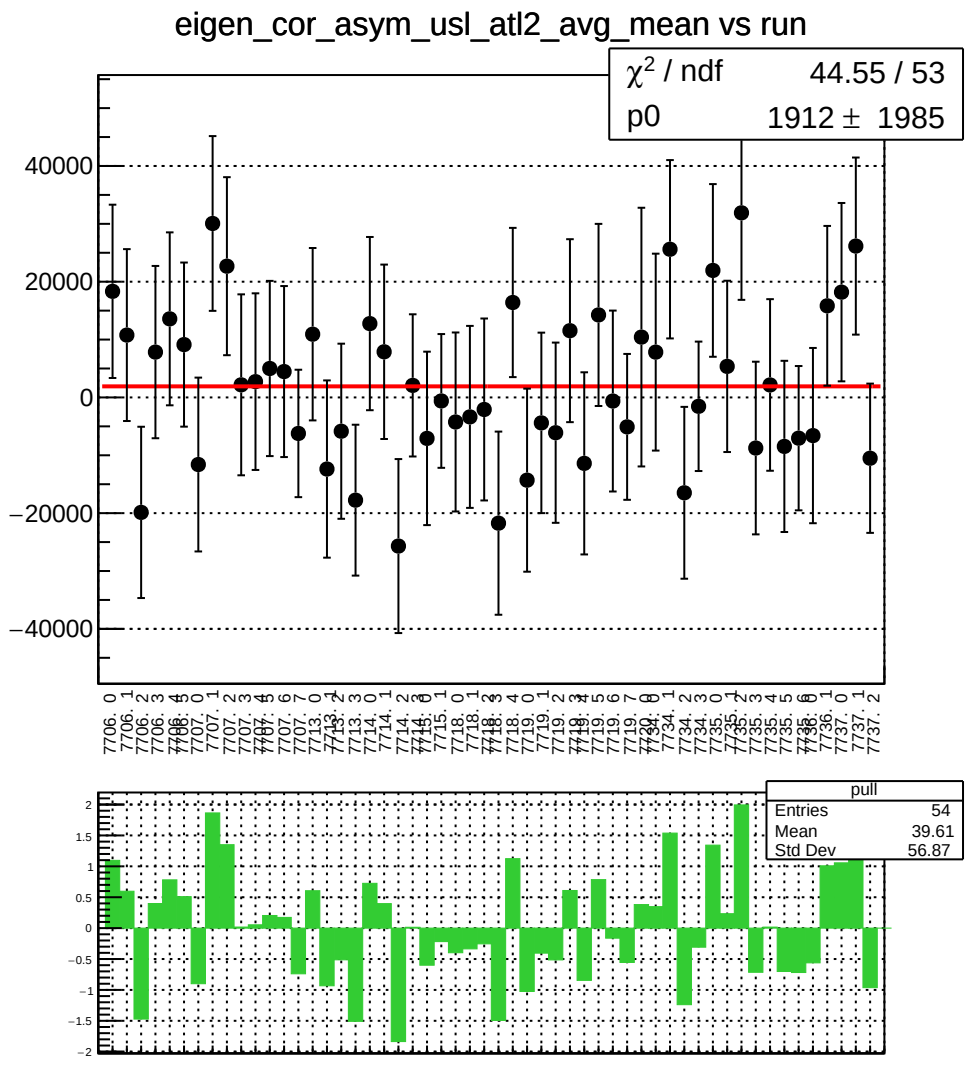

pull1D
Entries 54
Mean 0.01649
Std Dev 0.9082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

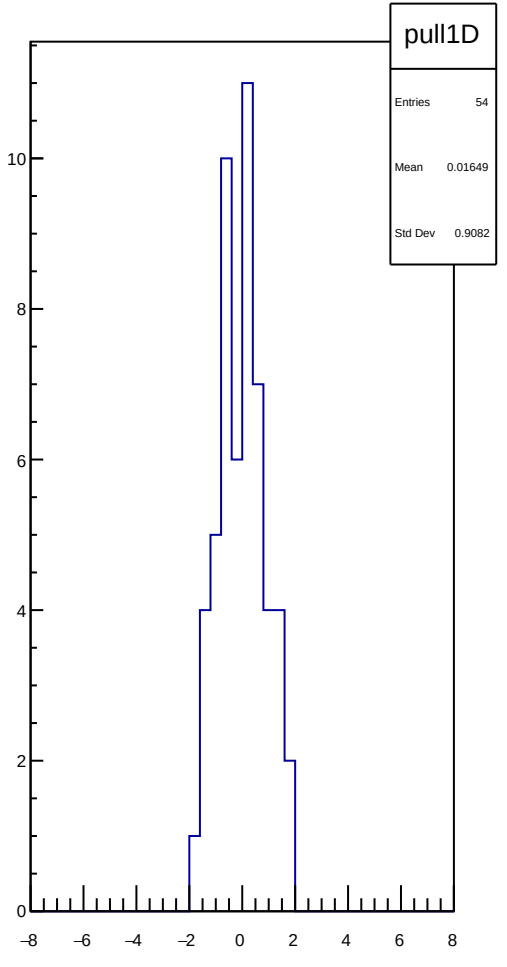

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 738.3 / 53
p0 1446 ± 1.404
1600
1550
1500
1450
1400

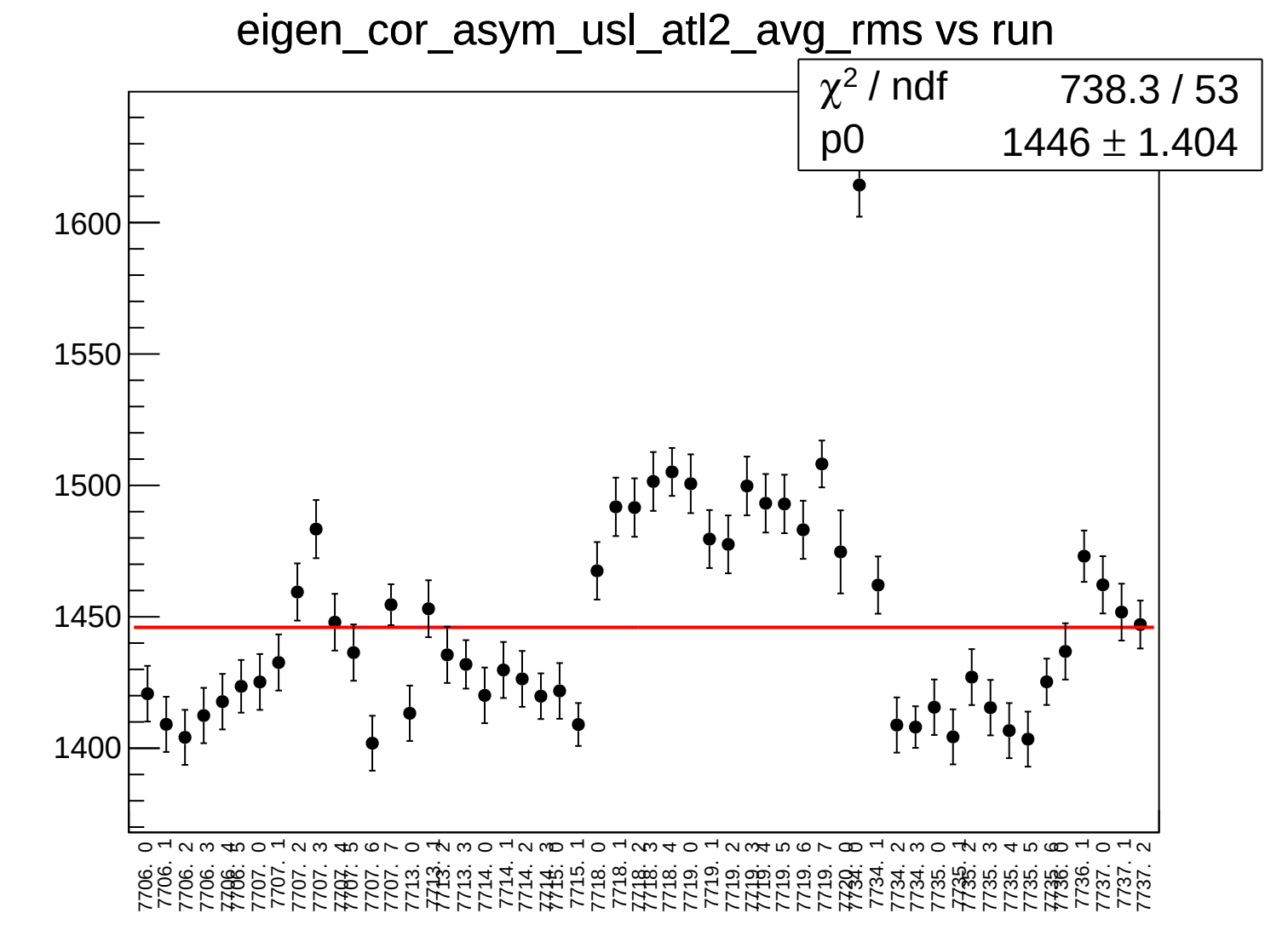

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.21 / 53
p0 −741.1± 6604
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 92.62
Std Dev 0
2
1
0
−1
−2
−3

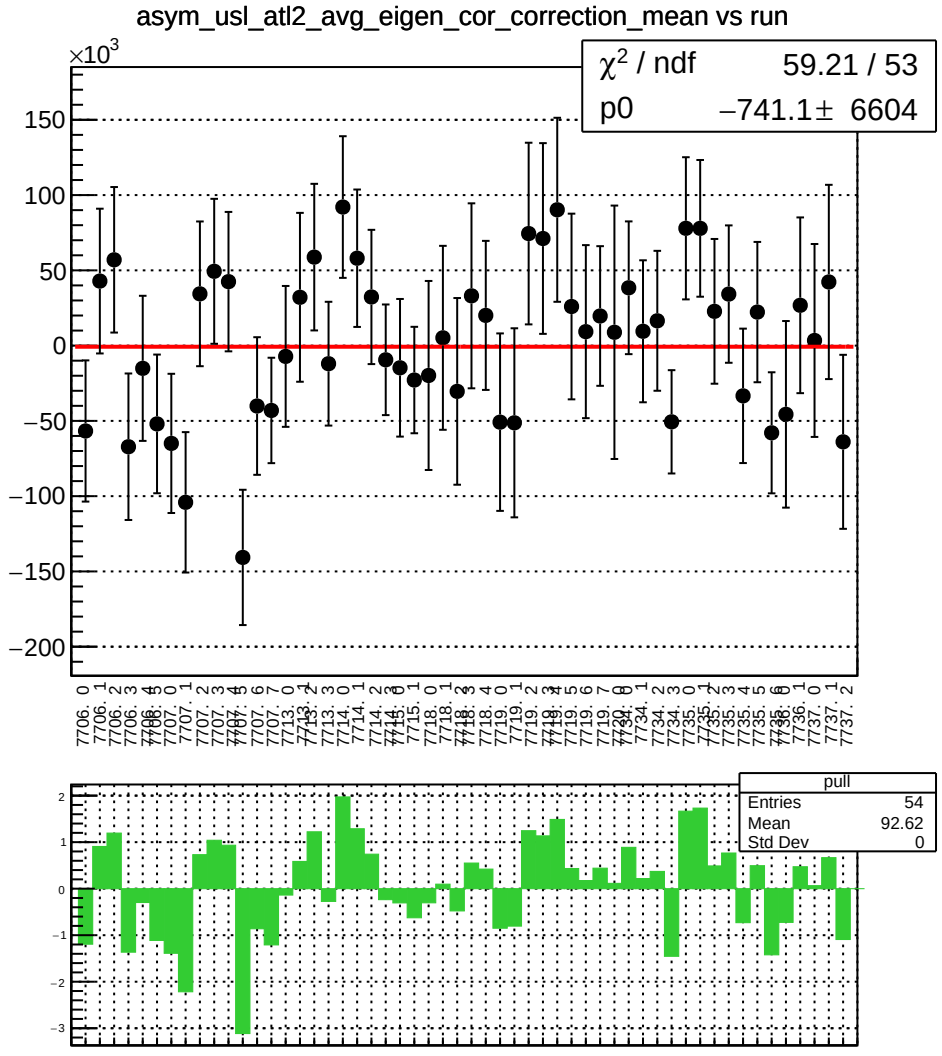

pull1D
Entries 54
Mean 0.04349
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

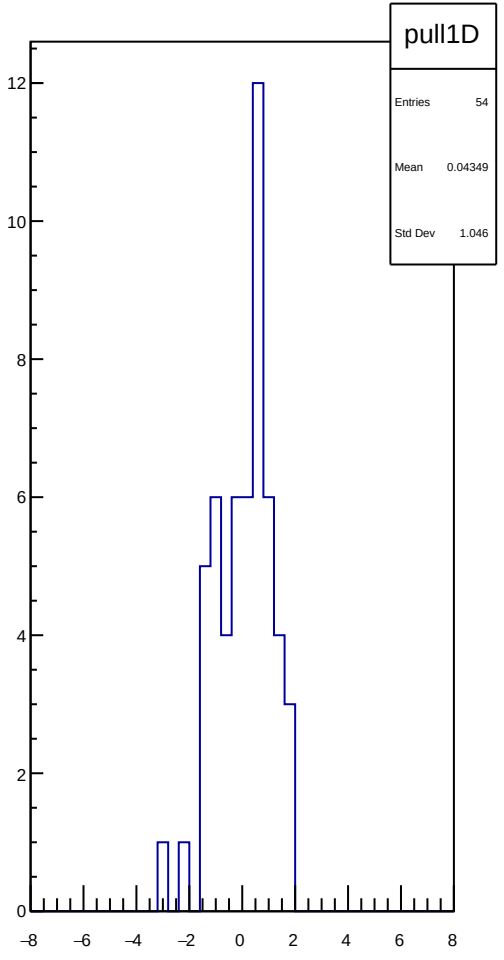

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1.815e+04 / 53
p0 4771 ± 4.67
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

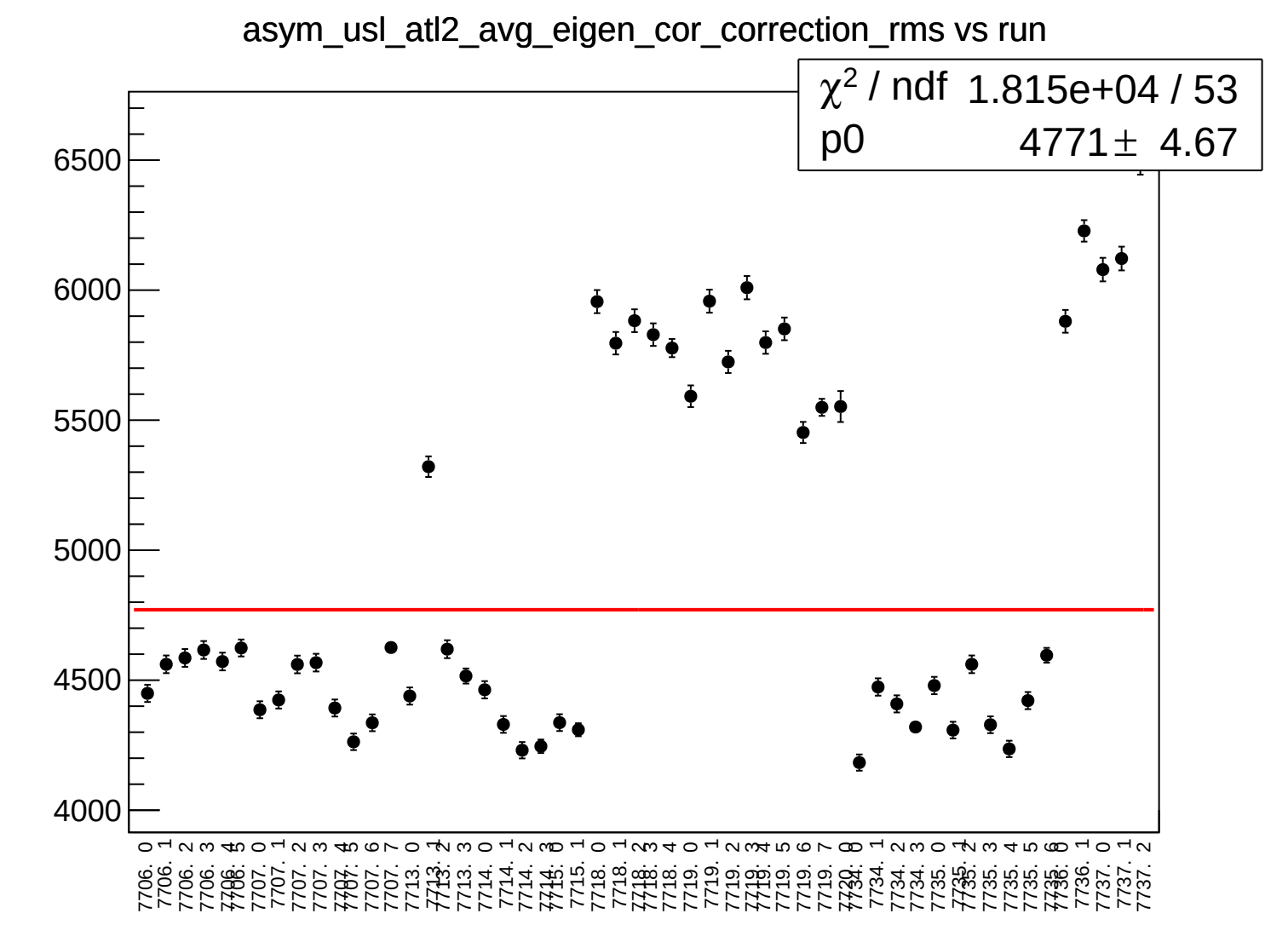

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.55 / 53
p0 1912 ± 1985
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 39.61
Std Dev 56.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

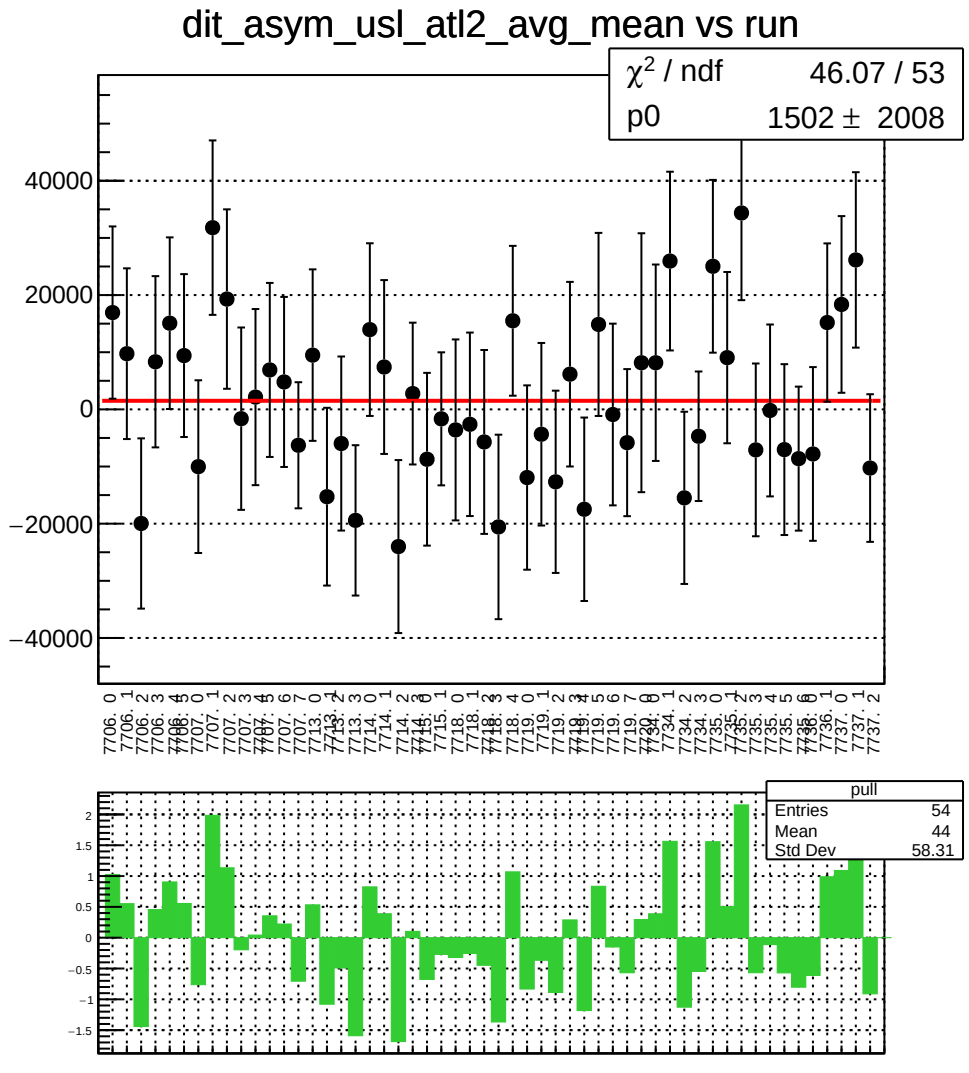

pull1D
Entries 54
Mean 0.01649
Std Dev 0.9082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

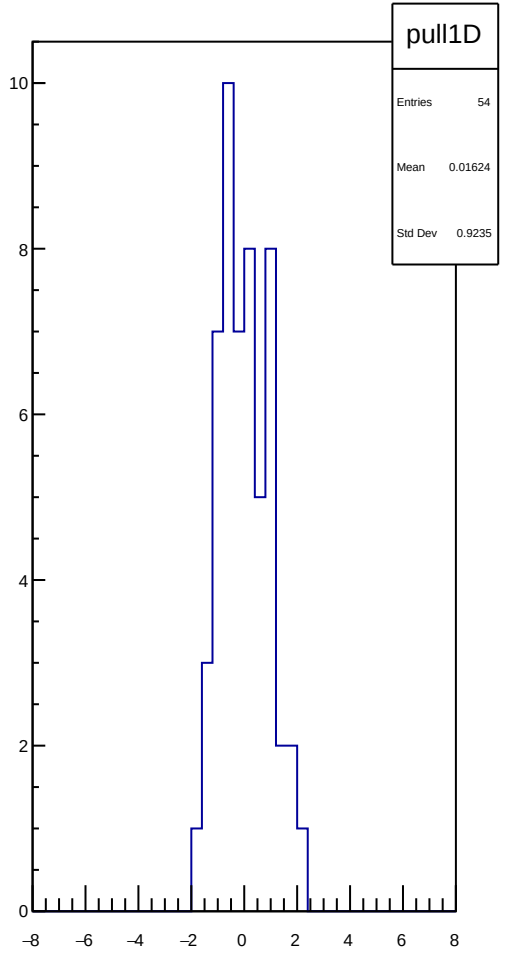

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 738.3 / 53
p0 1446 ± 1.404
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

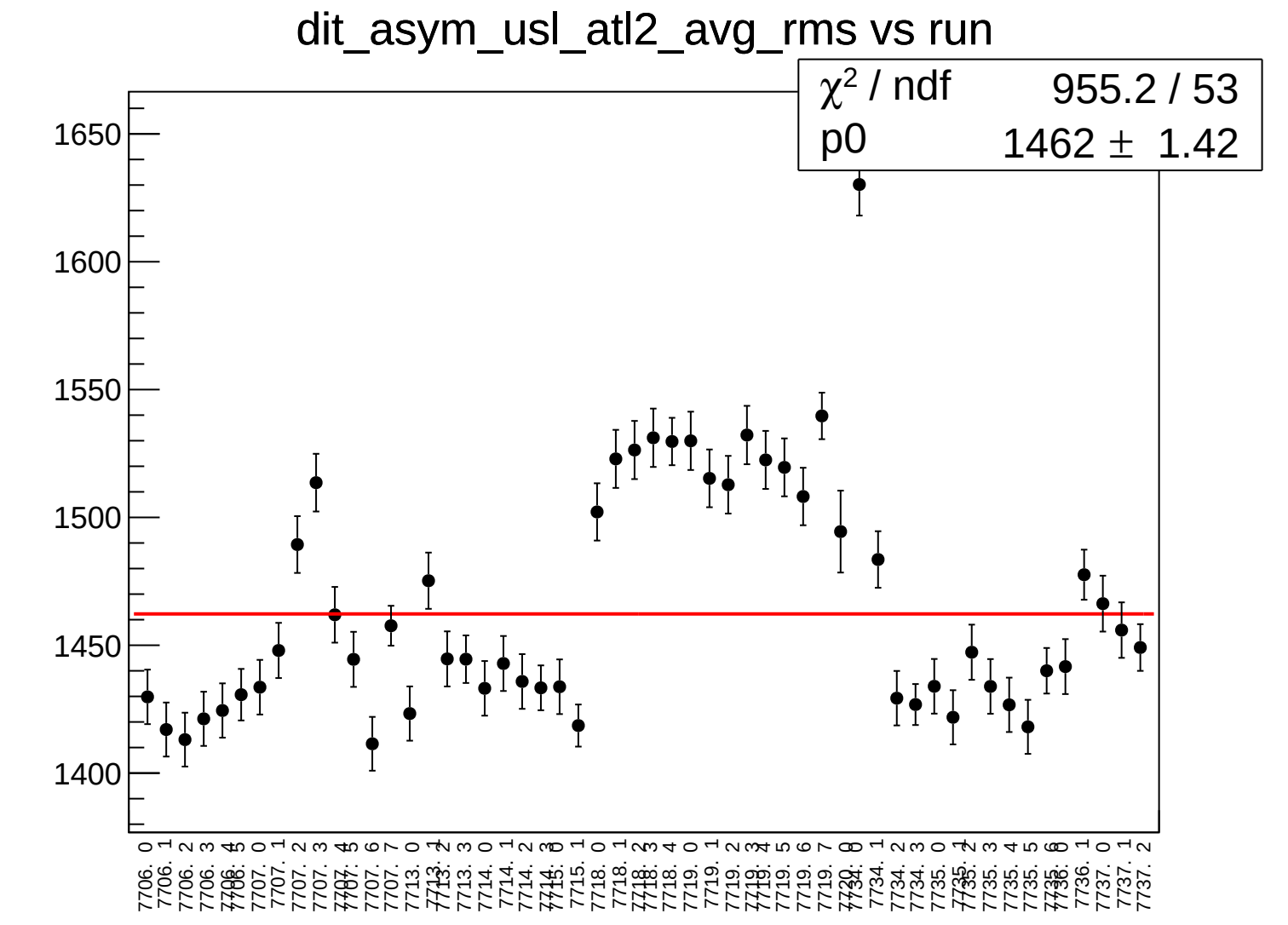

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.21 / 53
p0 −741.1± 6604
pull
Entries 54
Mean 92.62
Std Dev 0

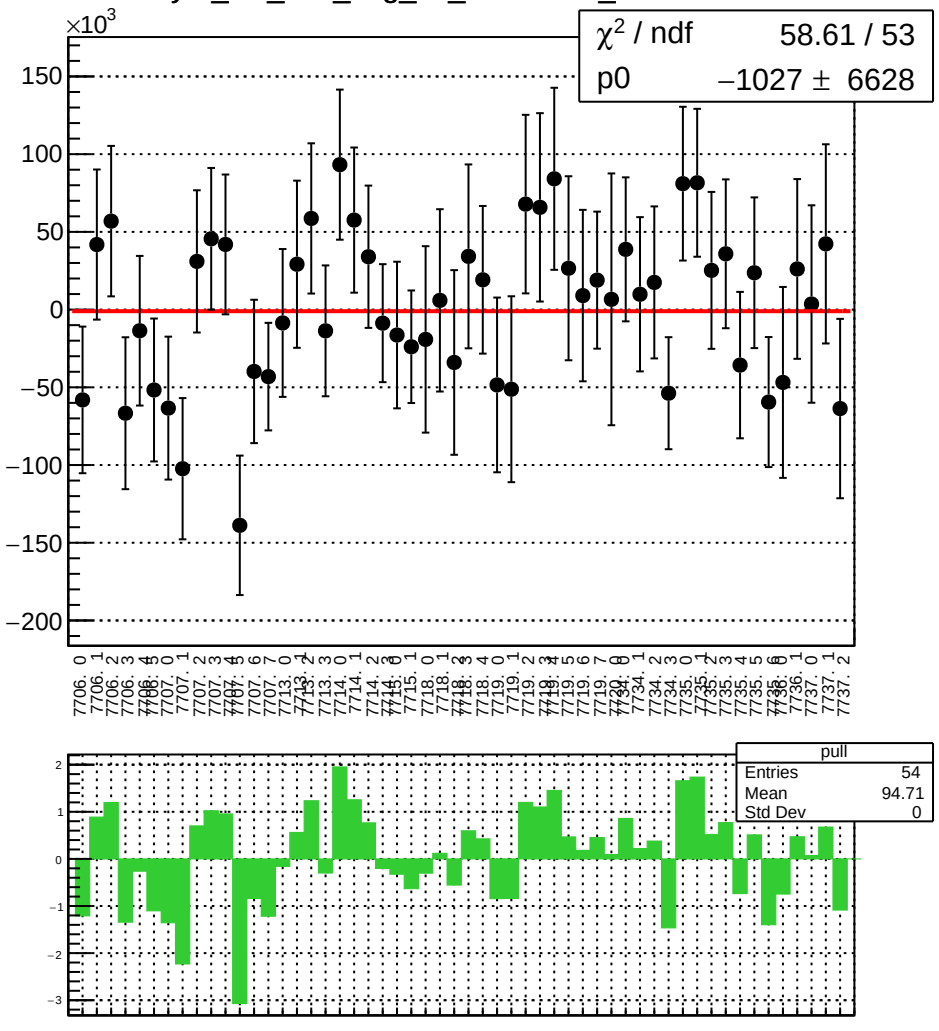

pull1D
Entries 54
Mean 0.04349
Std Dev 1.046

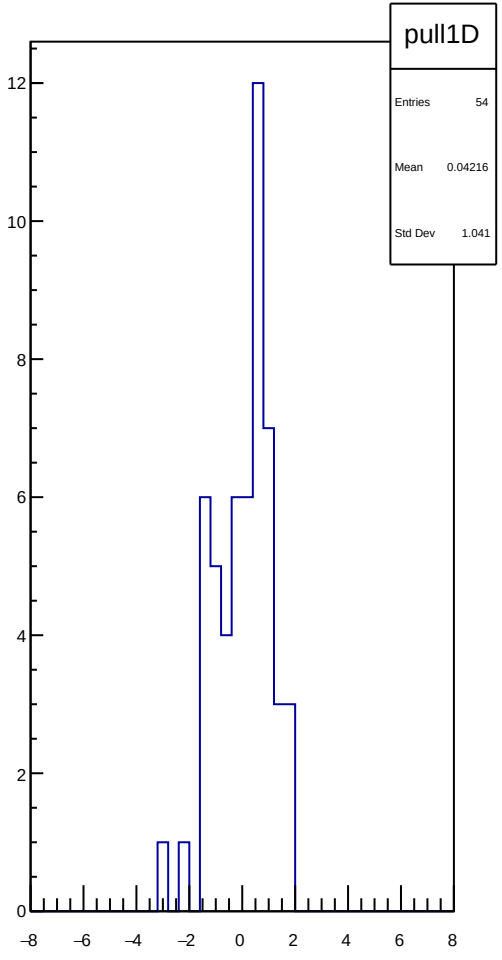

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.815e+04 / 53
p0 4771 ± 4.67
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

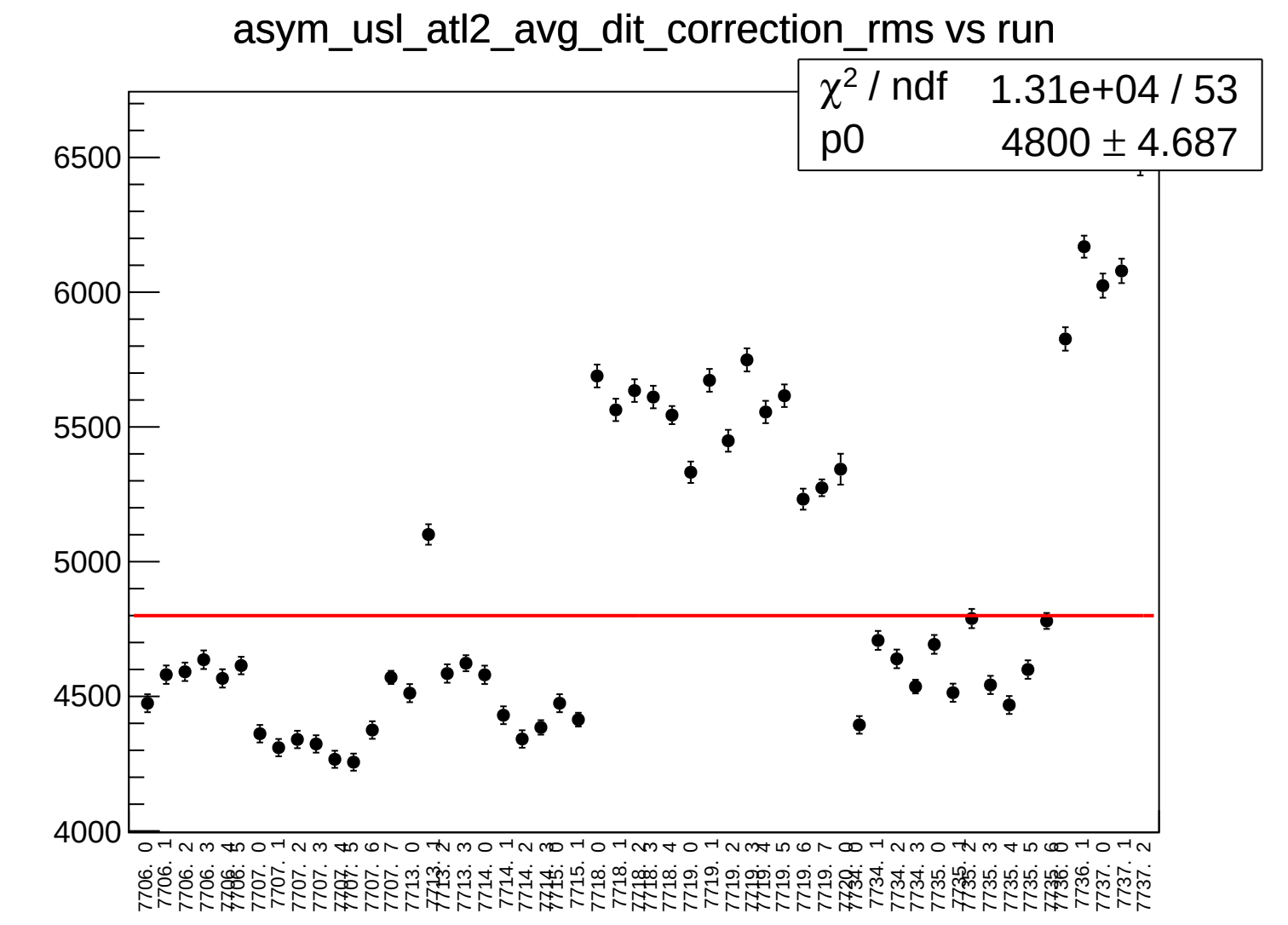

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 46.07 / 53
p0 1502 ± 2008
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 44
Std Dev 58.31
2
1.5
1
0.5
0
−0.5
−1
−1.5

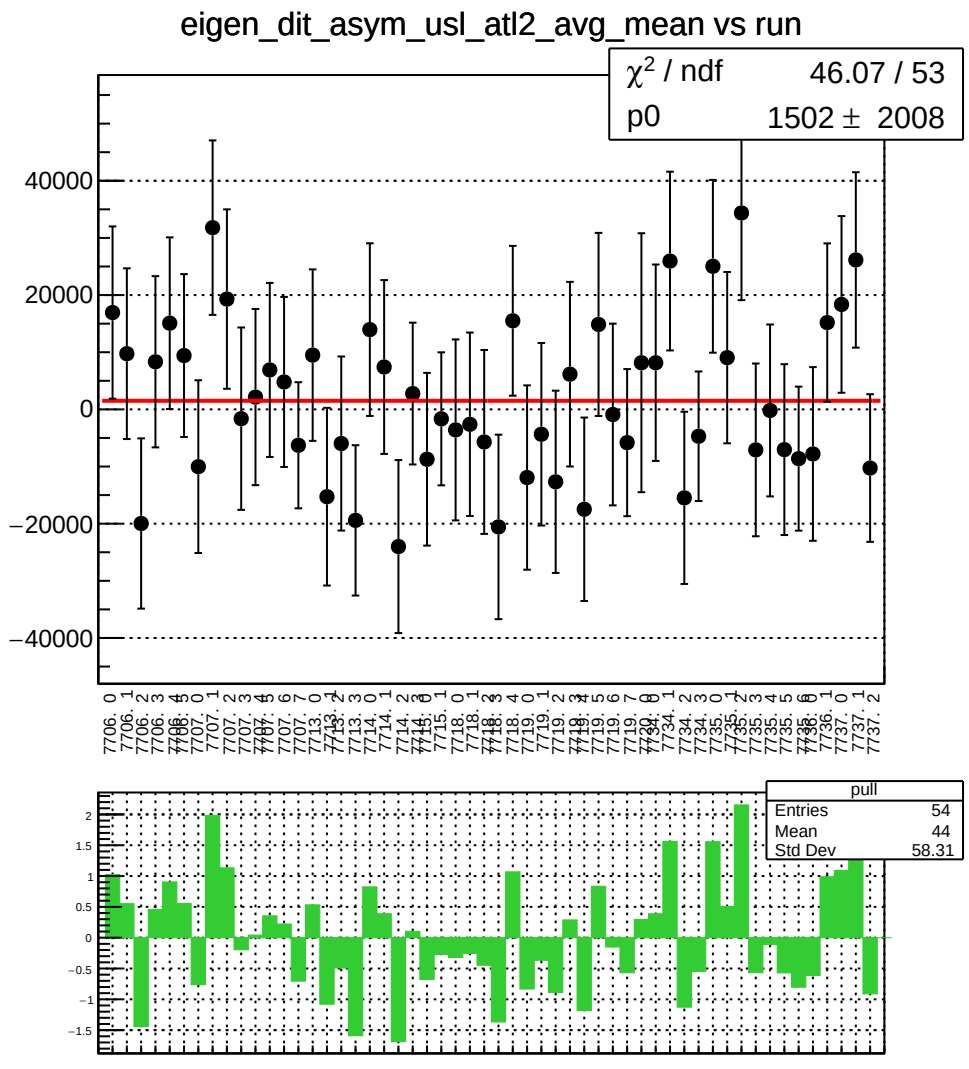

pull1D
Entries 54
Mean 0.01624
Std Dev 0.9235
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

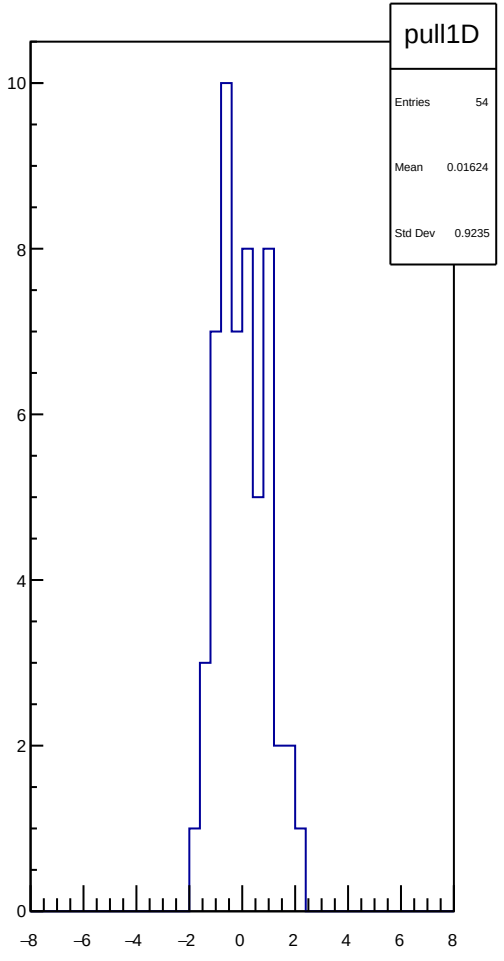

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 955.2 / 53
p0 1462 ± 1.42
1650
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

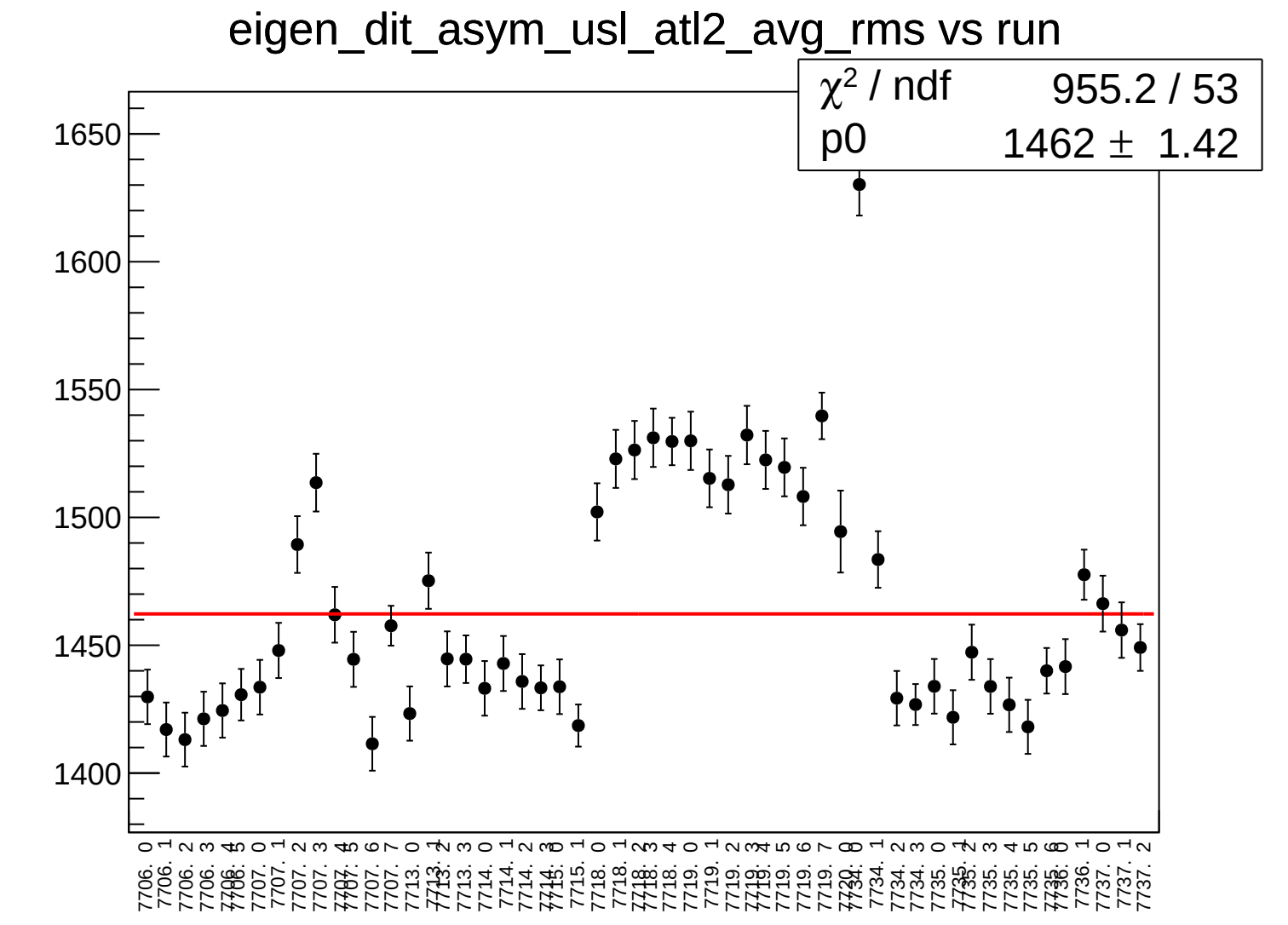

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.61 / 53
p0 −1027 ± 6628
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 94.71
Std Dev 0
2
1
0
−1
−2
−3

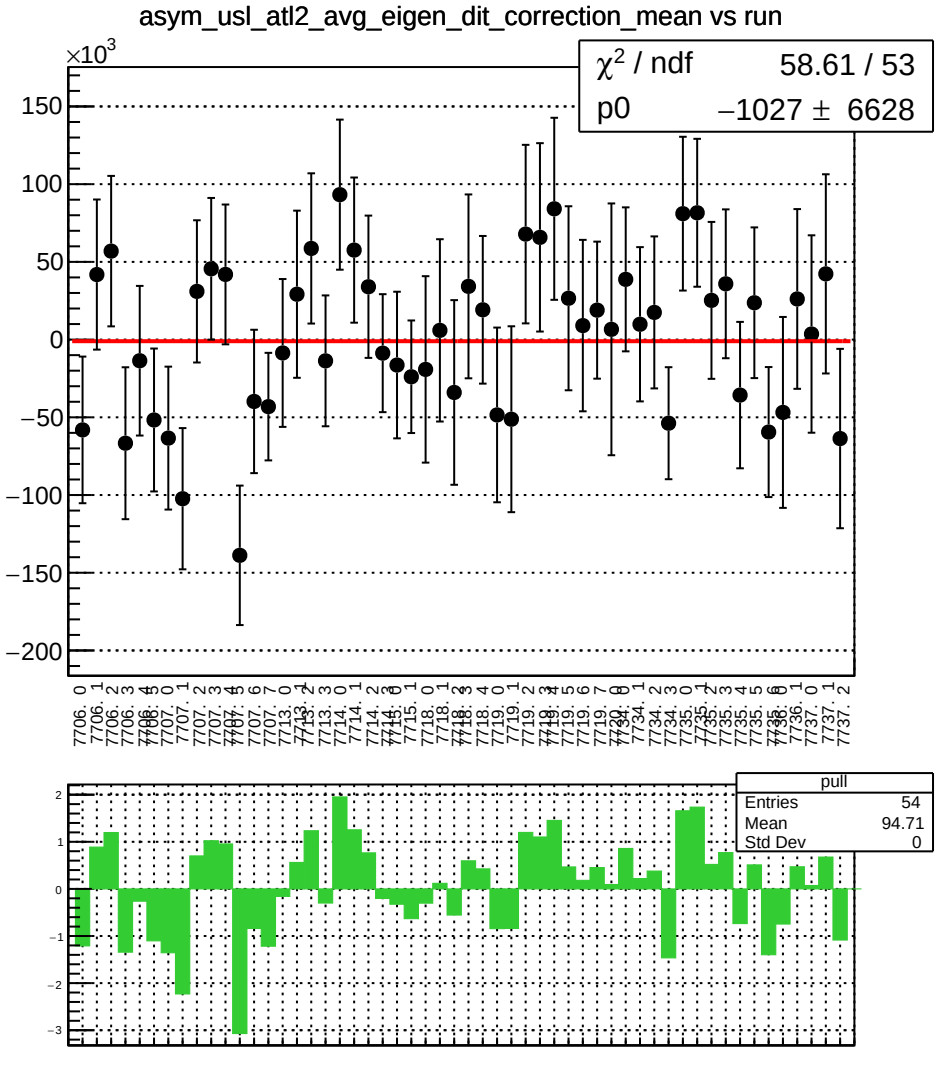

pull1D
Entries 54
Mean 0.04216
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

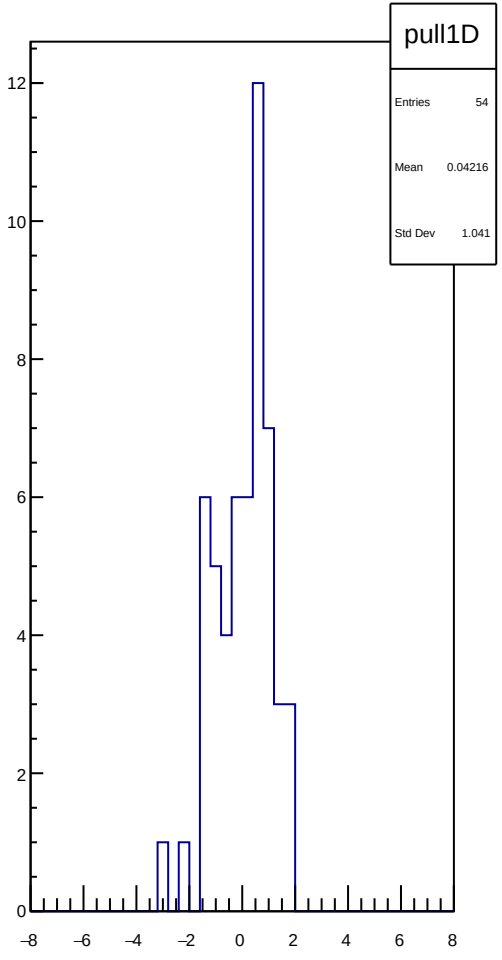

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1.31e+04 / 53
p0 4800 ± 4.687
6500
6000
5500
5000
4500
4000

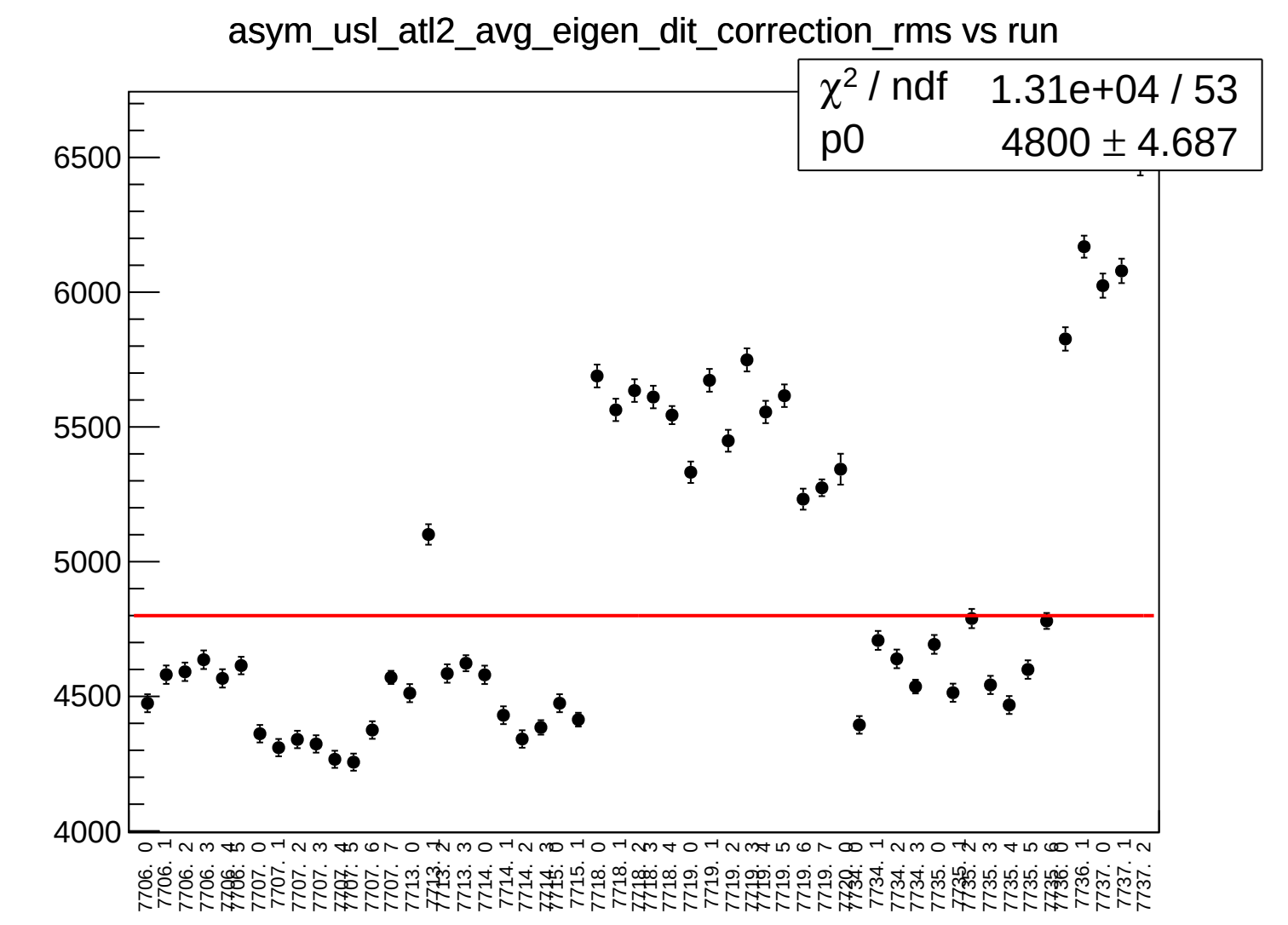

eigen_dit_asym_usl_atl2_avg_mean vs run
χ^2 / ndf 46.07 / 53
p0 1502 ± 2008
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 44
Std Dev 58.31
2
1.5
1
0.5
0
−0.5
−1
−1.5

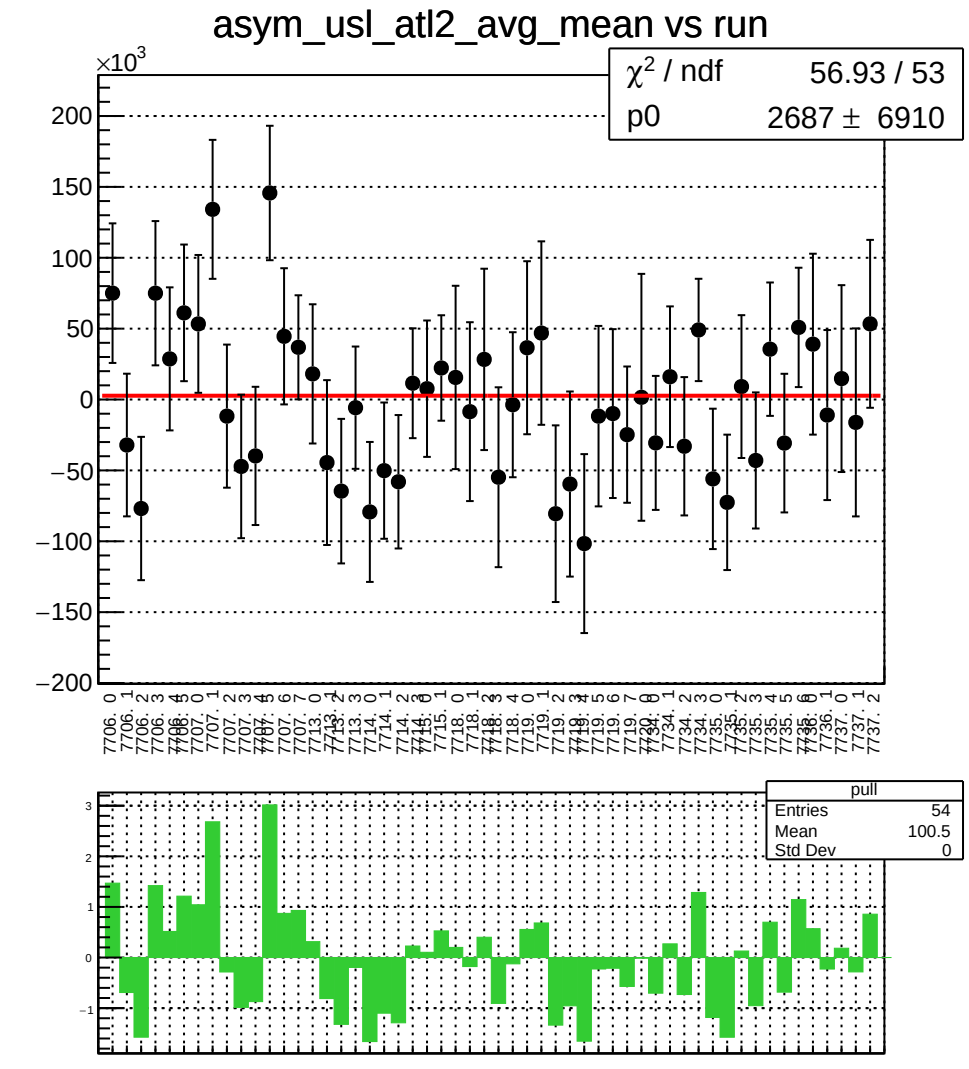

pull1D
Entries 54
Mean 0.01624
Std Dev 0.9235
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

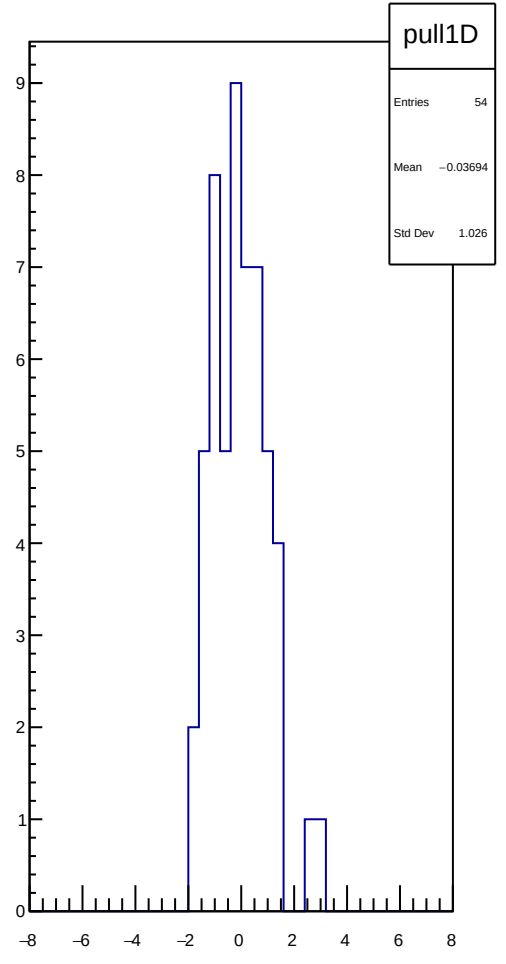

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 955.2 / 53
p0 1462 ± 1.42
1650
1600
1550
1500
1450
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

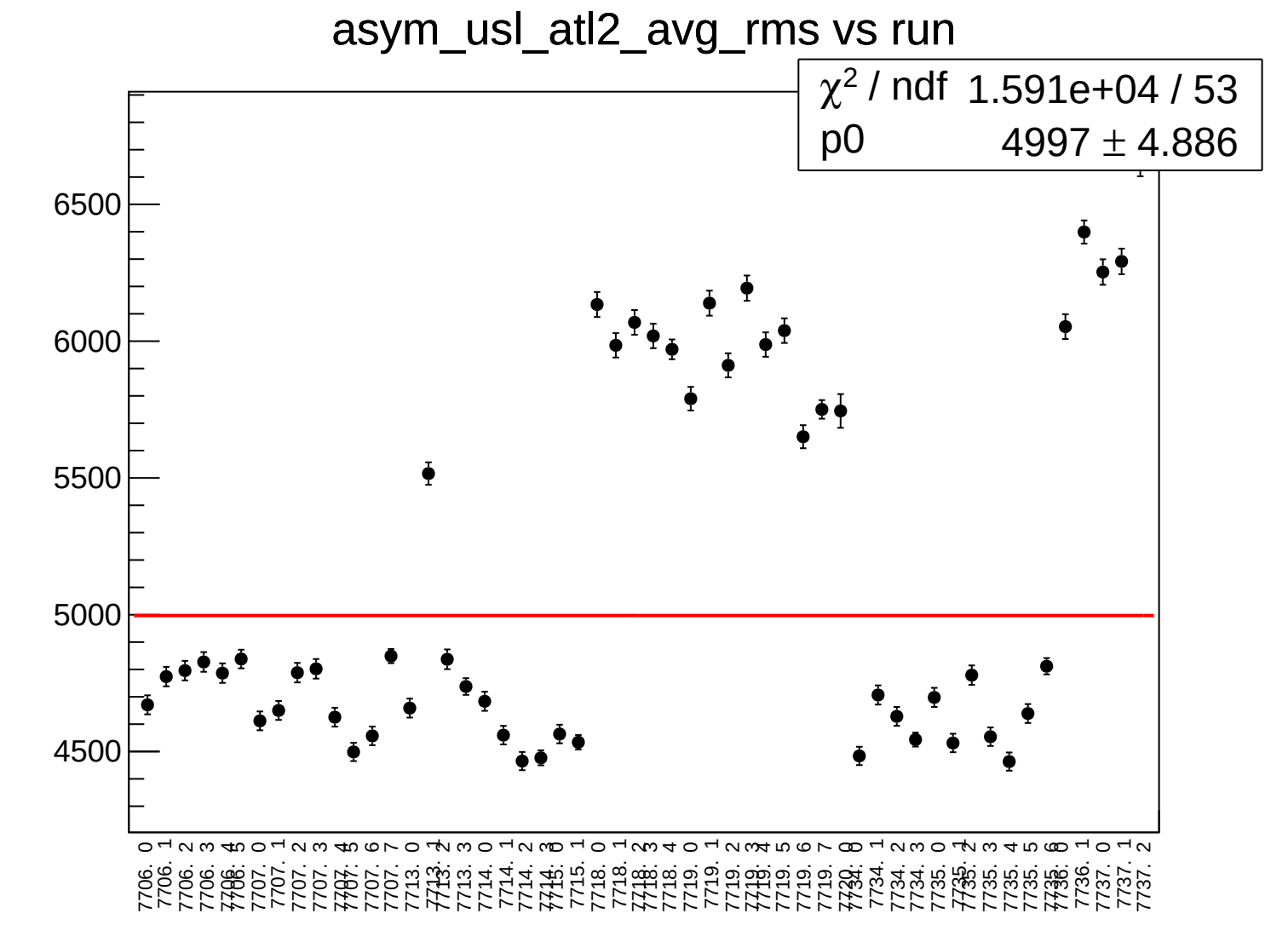

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.61 / 53
p0 −1027 ± 6628
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 94.71
Std Dev 0
2
1
0
−1
−2
−3

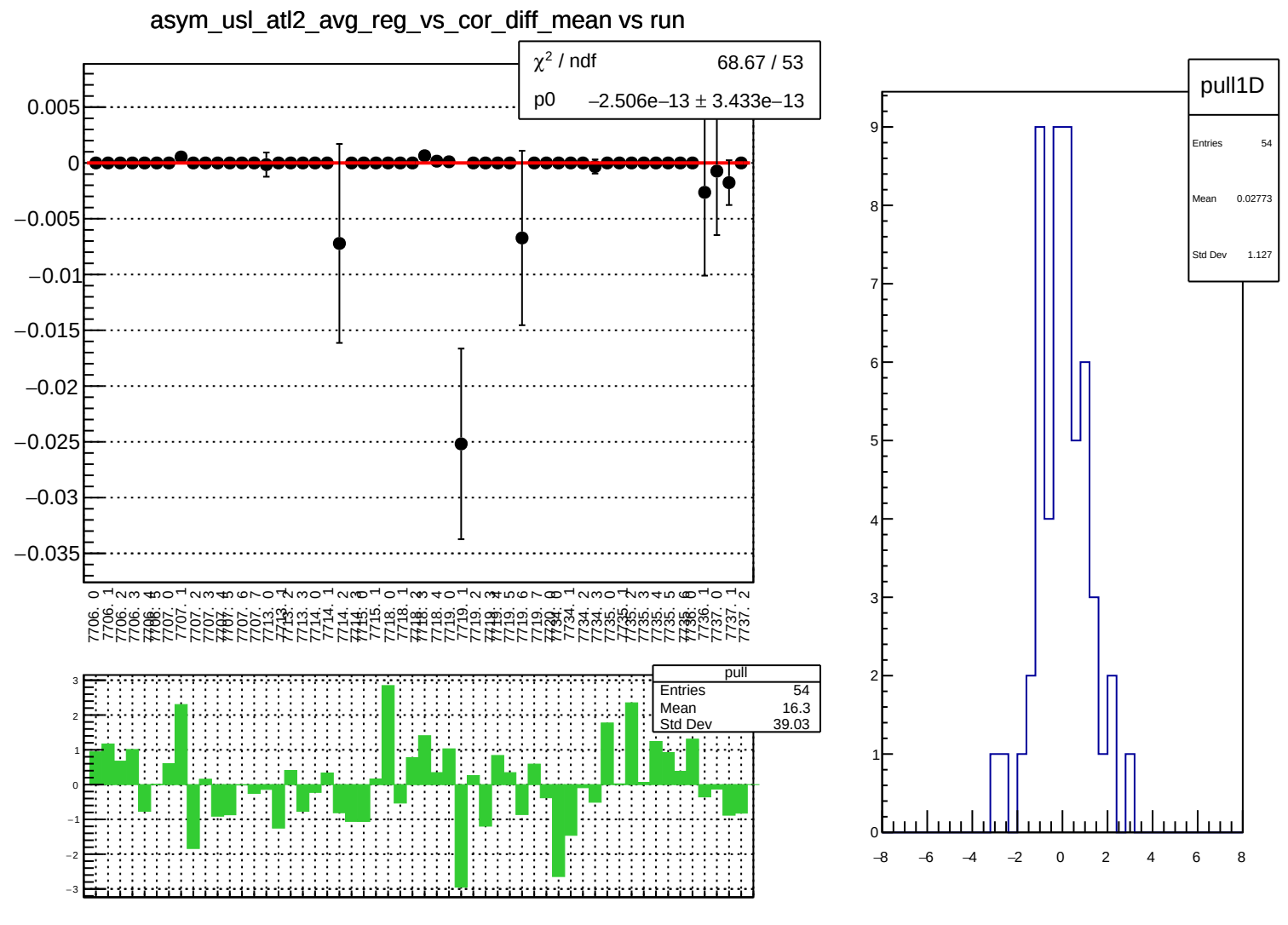

pull1D
Entries 54
Mean 0.04216
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

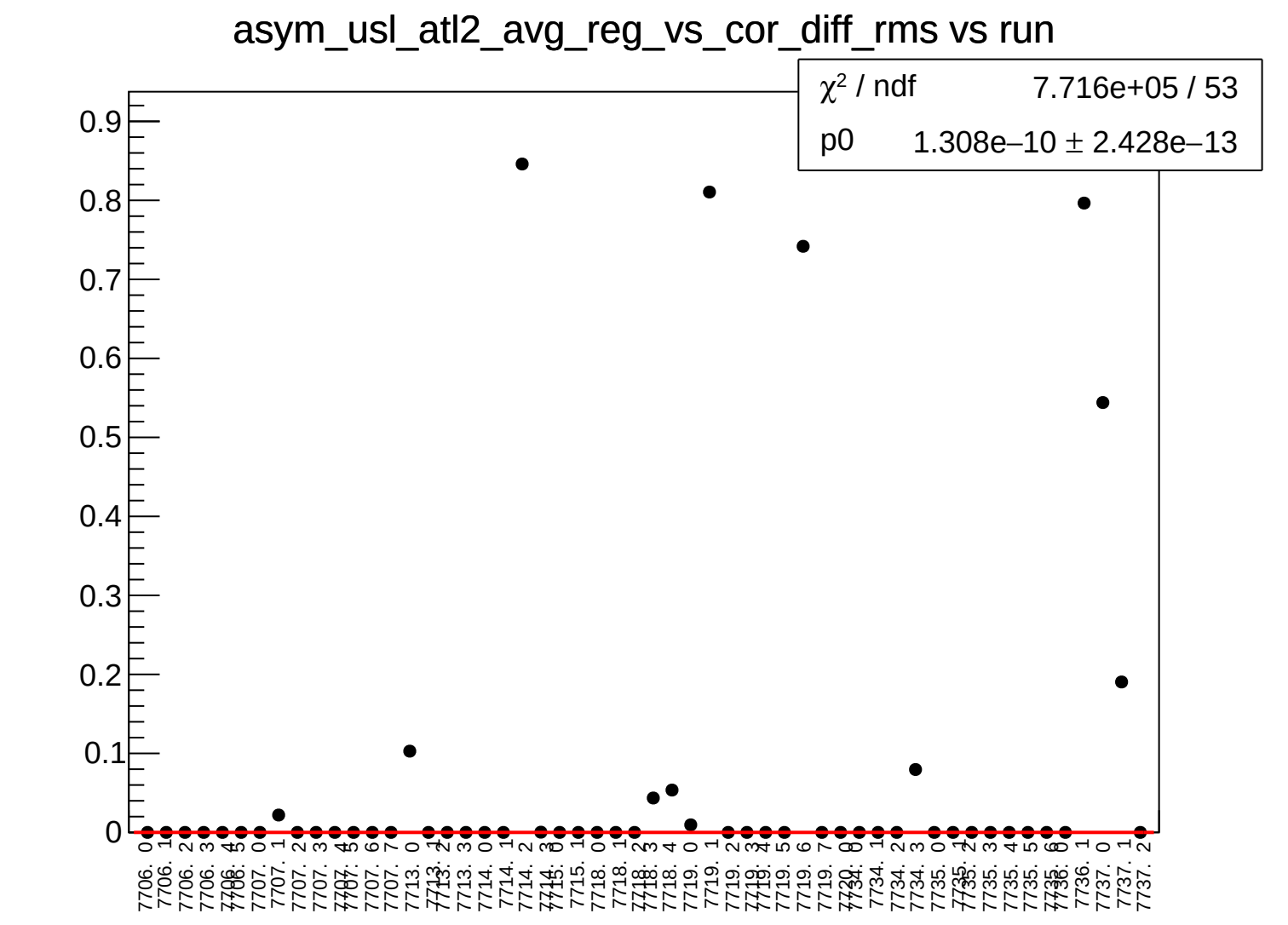

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.31e+04 / 53
p0 4800 ± 4.687
6500
6000
5500
5000
4500
4000

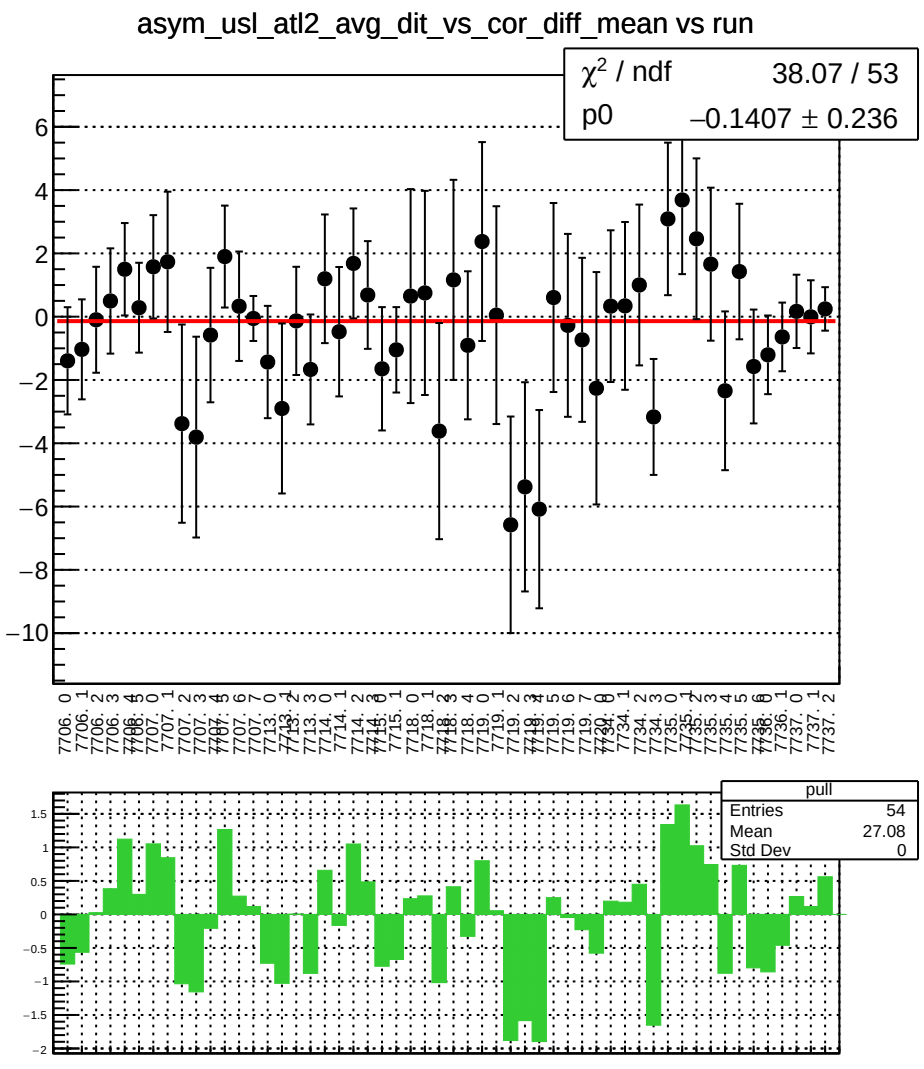

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 56.93 / 53
p0 2687 ± 6910
pull
Entries 54
Mean 100.5
Std Dev 0

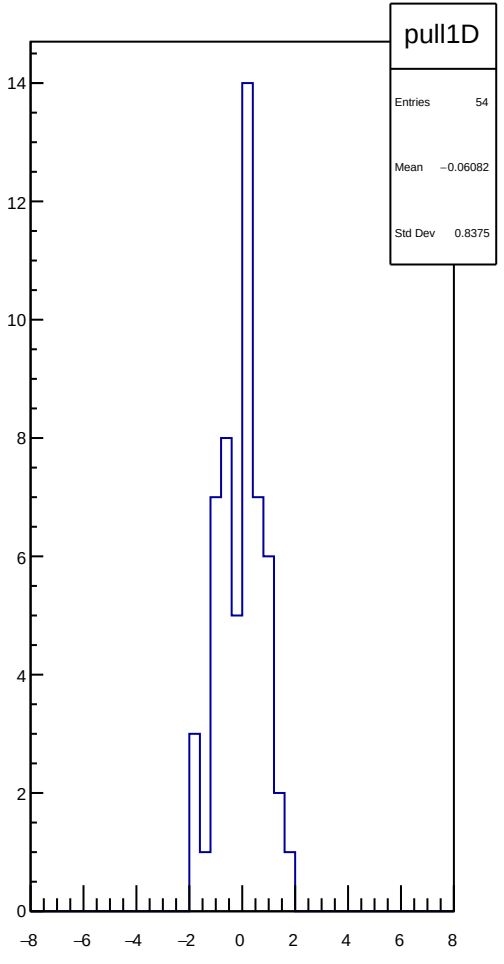

pull1D
Entries 54
Mean −0.03694
Std Dev 1.026

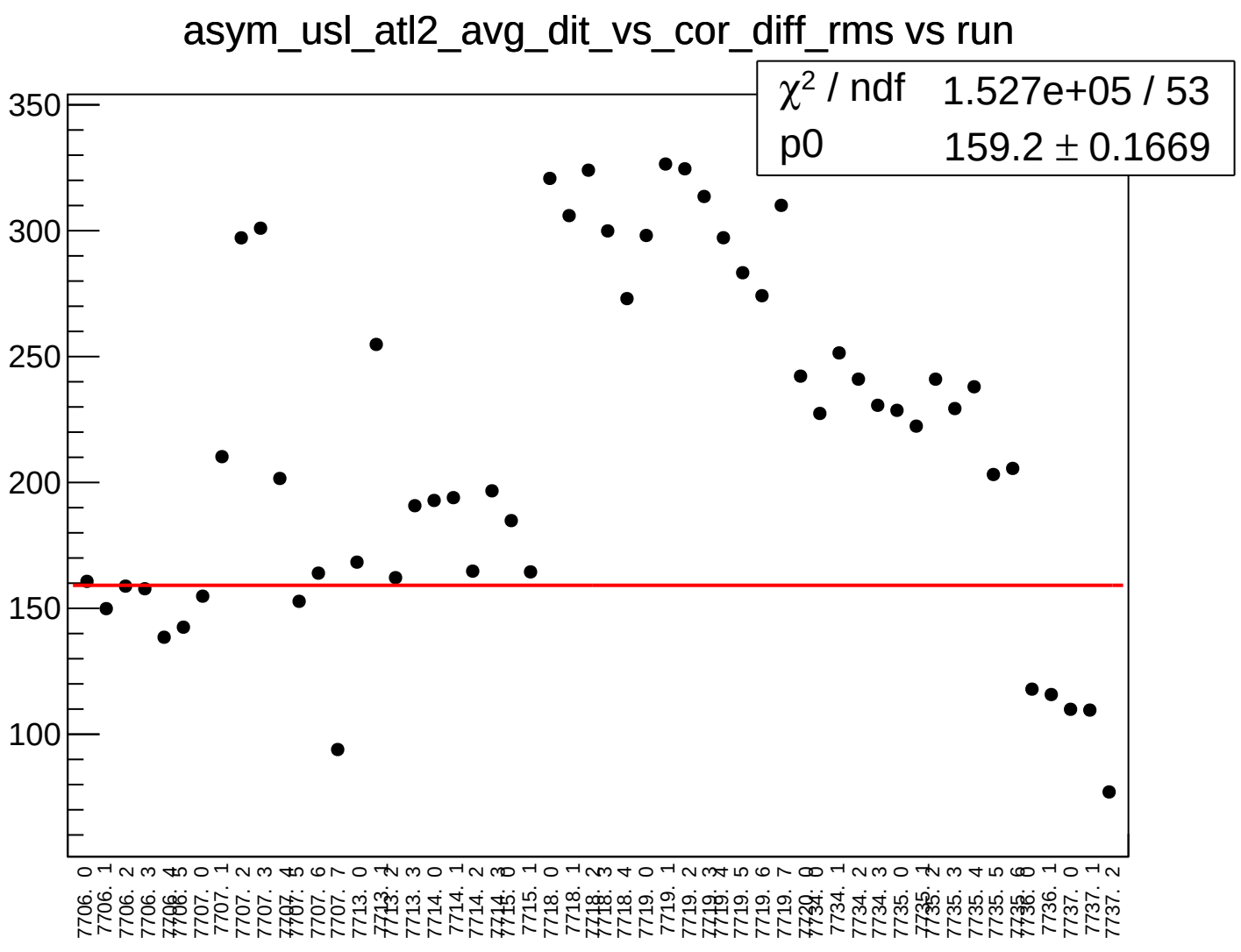

asym_usl_atl2_avg_rms vs run
χ² / ndf 1.591e+04 / 53
p0 4997 ± 4.886
6500
6000
5500
5000
4500

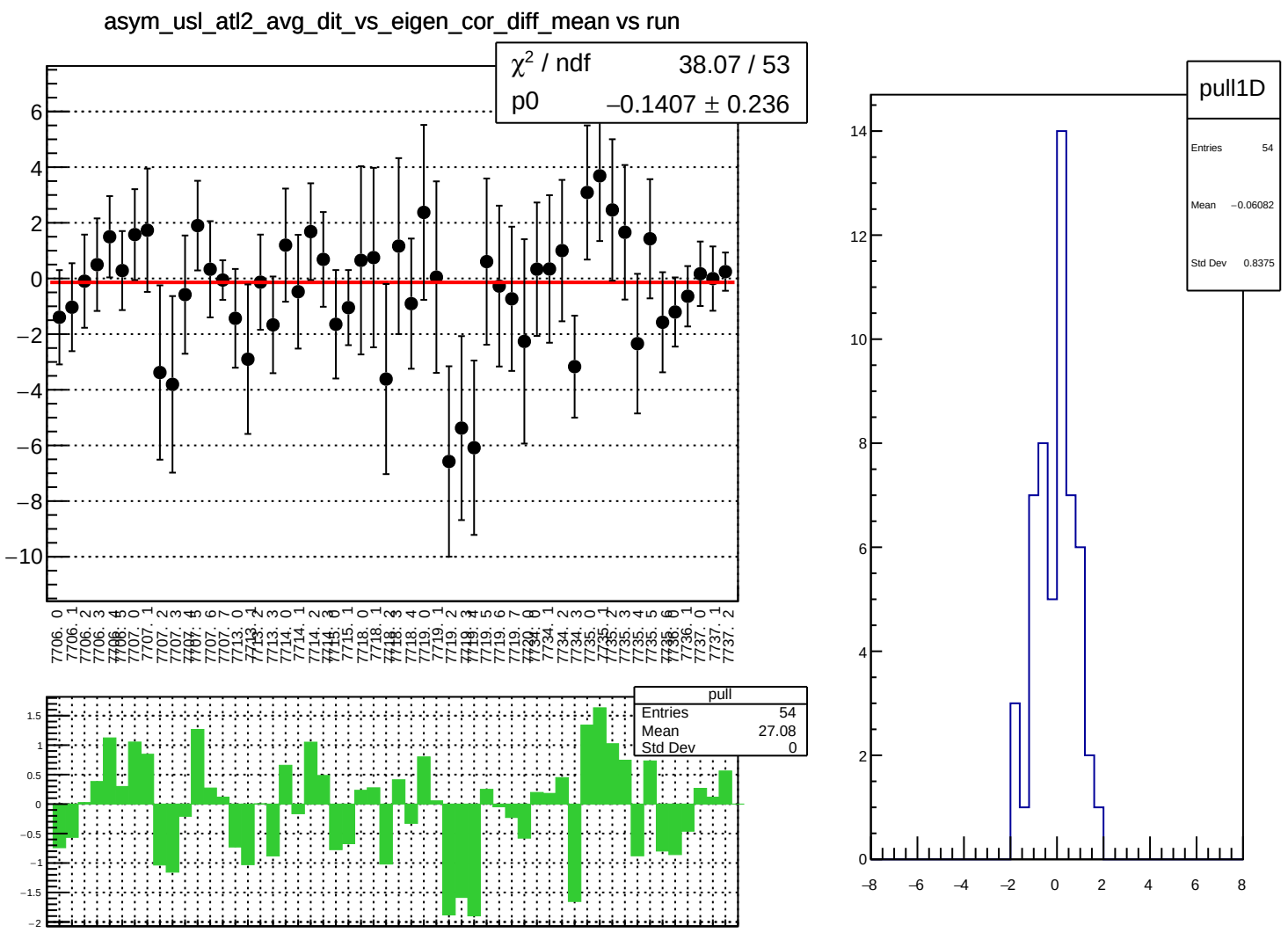

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.67 / 53
p0 −2.506e−13 ± 3.433e−13
pull
Entries 54
Mean 16.3
Std Dev 39.03
pull1D
Entries 54
Mean 0.02773
Std Dev 1.127

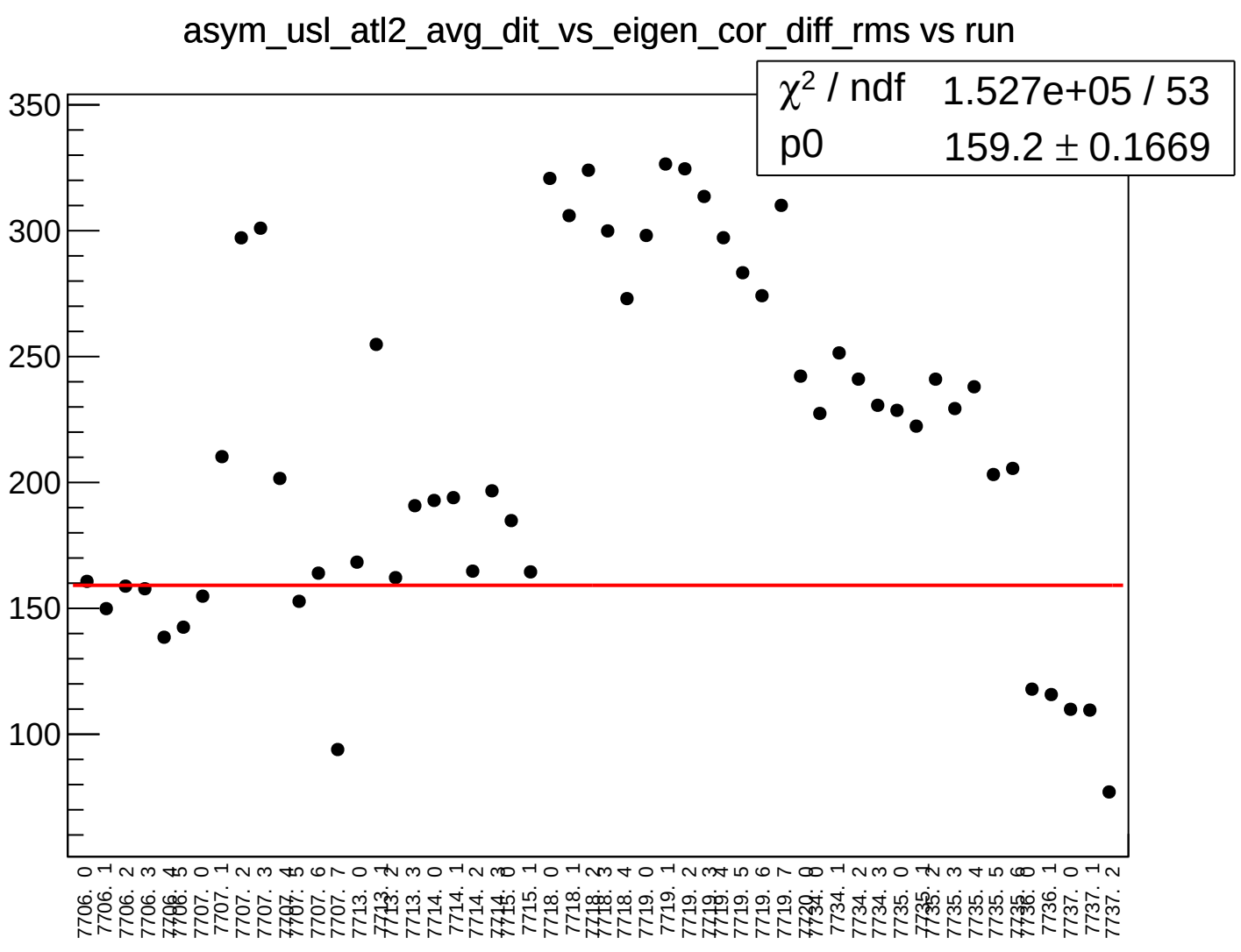

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.716e+05 / 53
p0 1.308e−10 ± 2.428e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

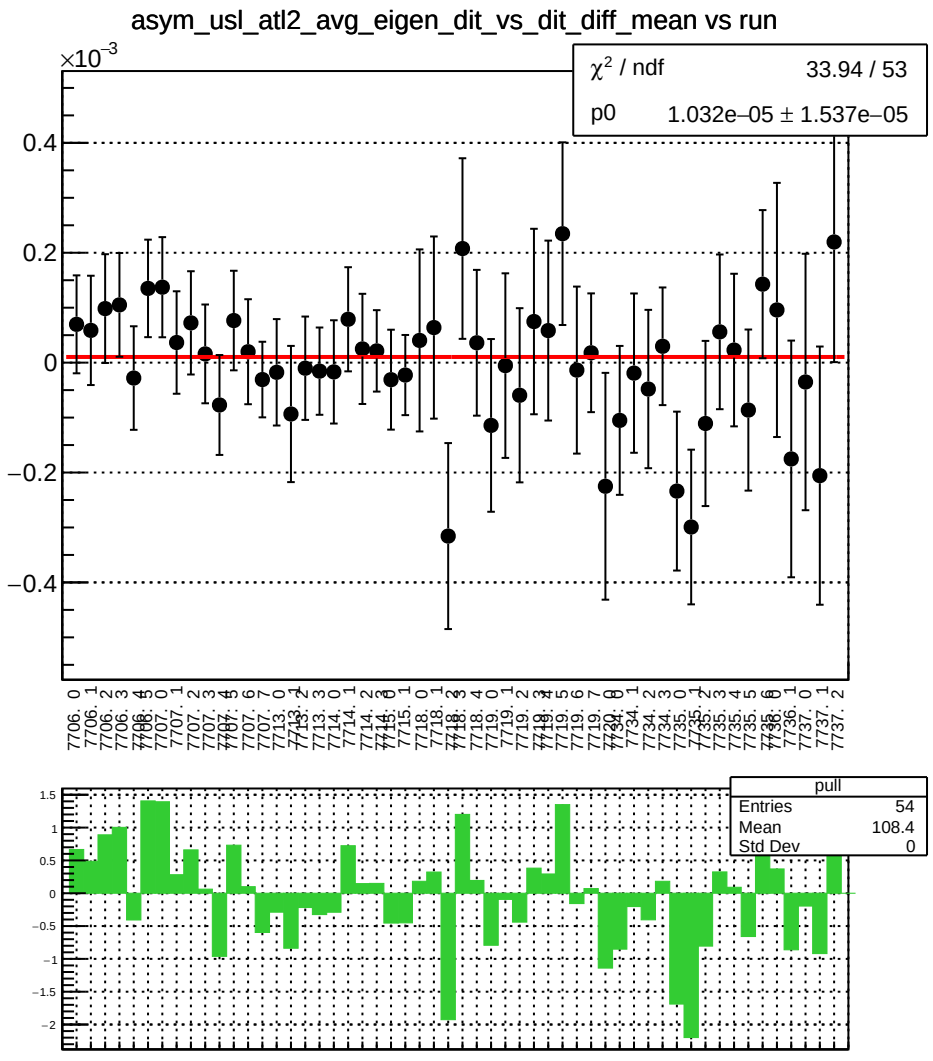

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.07 / 53
p0 −0.1407 ± 0.236
pull
Entries 54
Mean 27.08
Std Dev 0

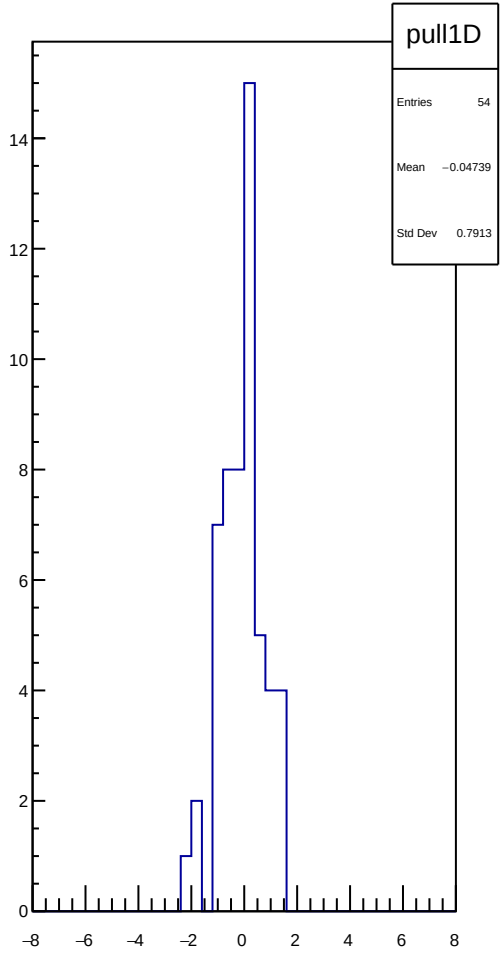

pull1D
Entries 54
Mean −0.06082
Std Dev 0.8375

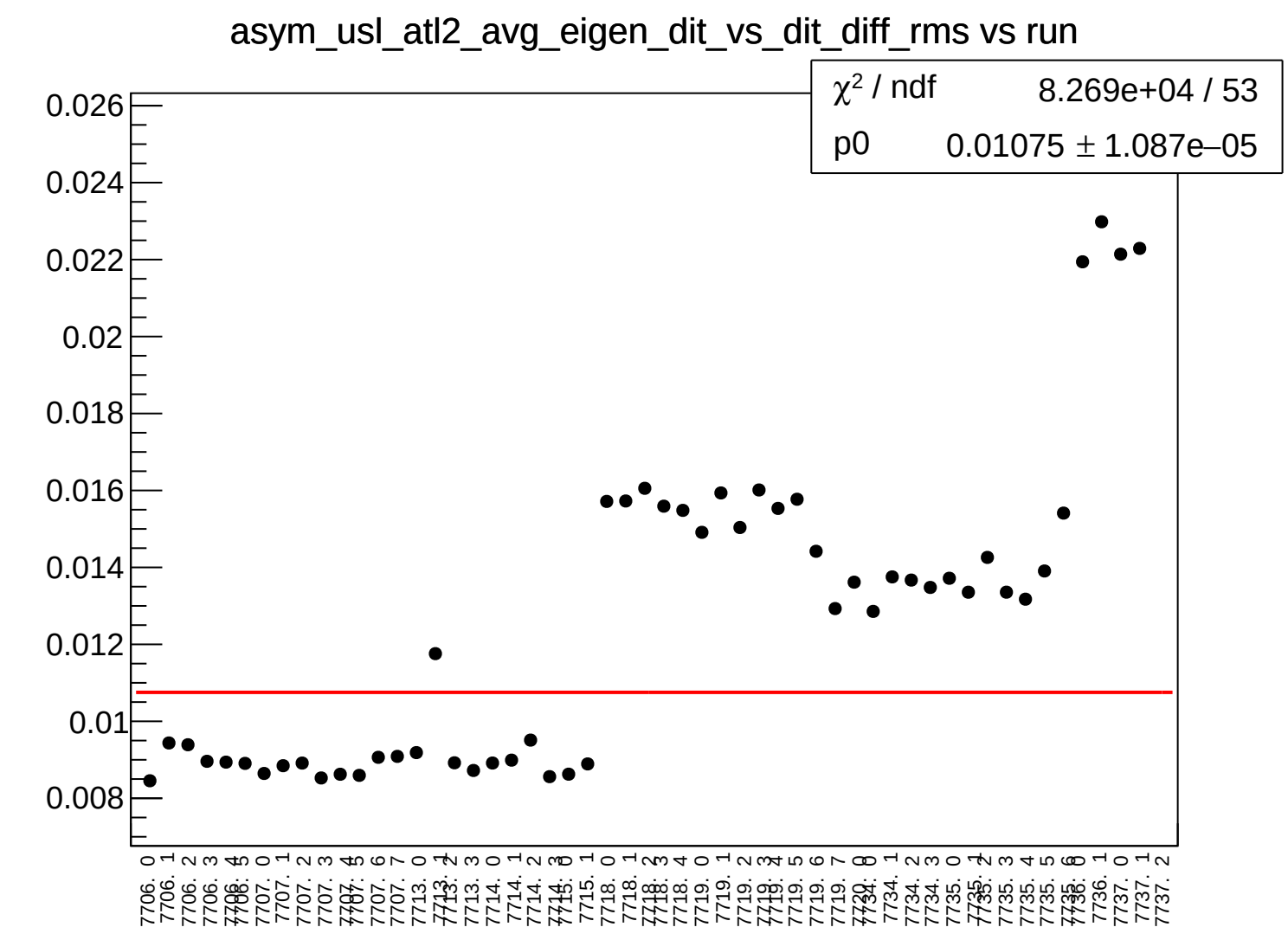

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.527e+05 / 53
p0 159.2 ± 0.1669
350
300
250
200
150
100

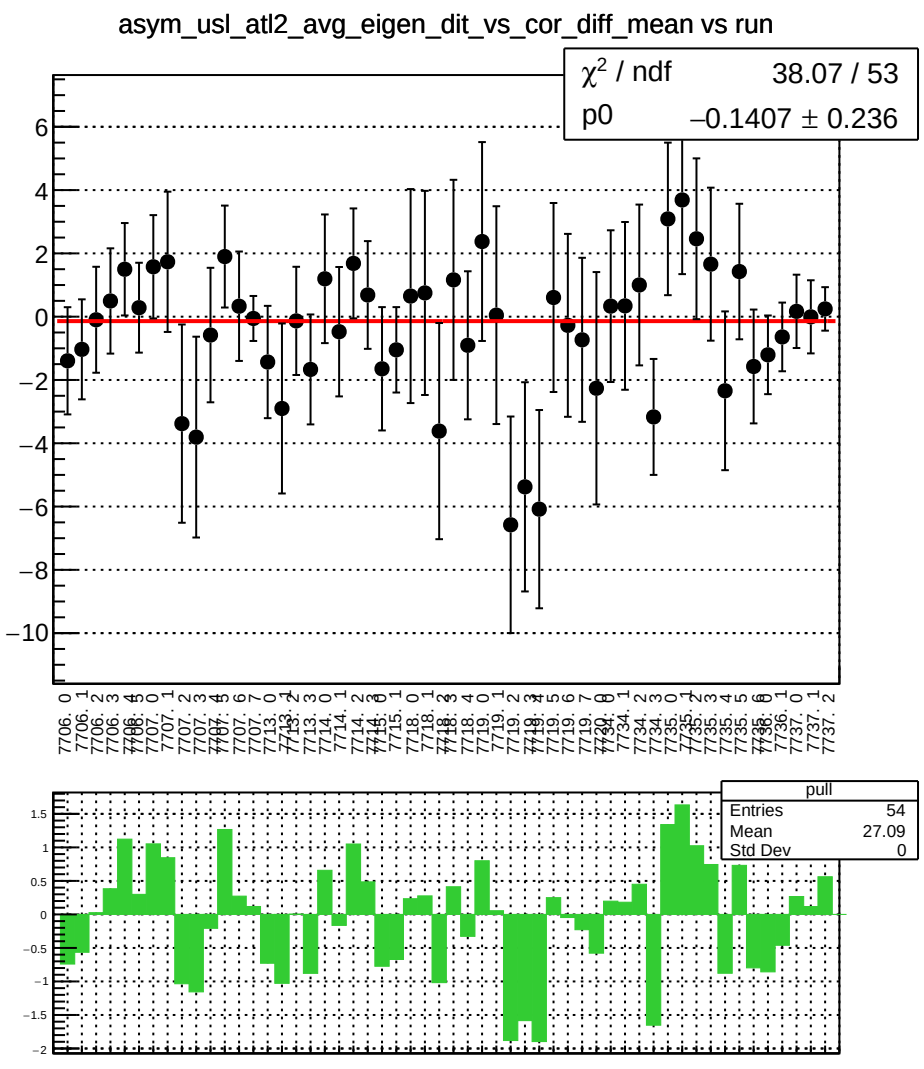

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.07 / 53
p0 −0.1407 ± 0.236
pull
Entries 54
Mean 27.08
Std Dev 0
pull1D
Entries 54
Mean −0.06082
Std Dev 0.8375

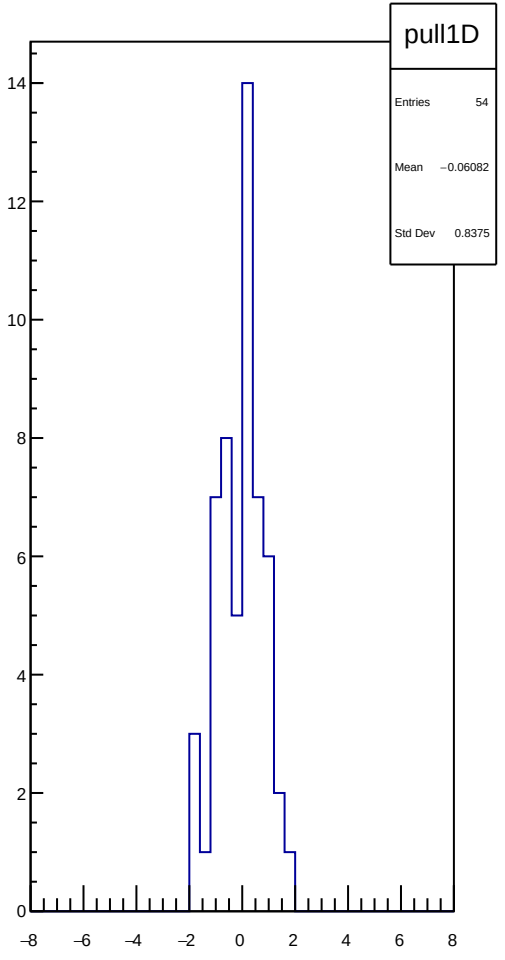

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.527e+05 / 53
p0 159.2 ± 0.1669
350
300
250
200
150
100

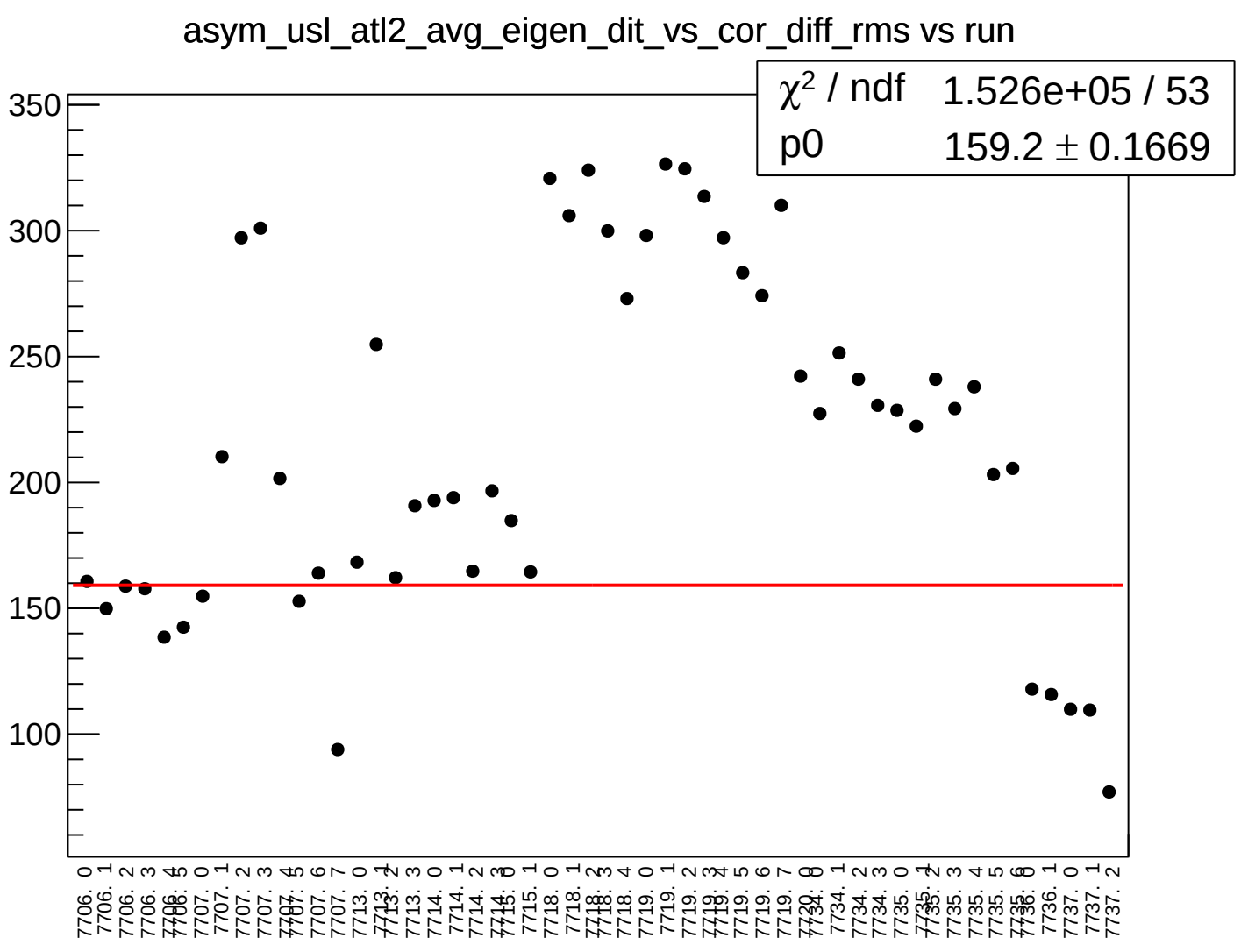

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.94 / 53
p0 1.032e−05 ± 1.537e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 108.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

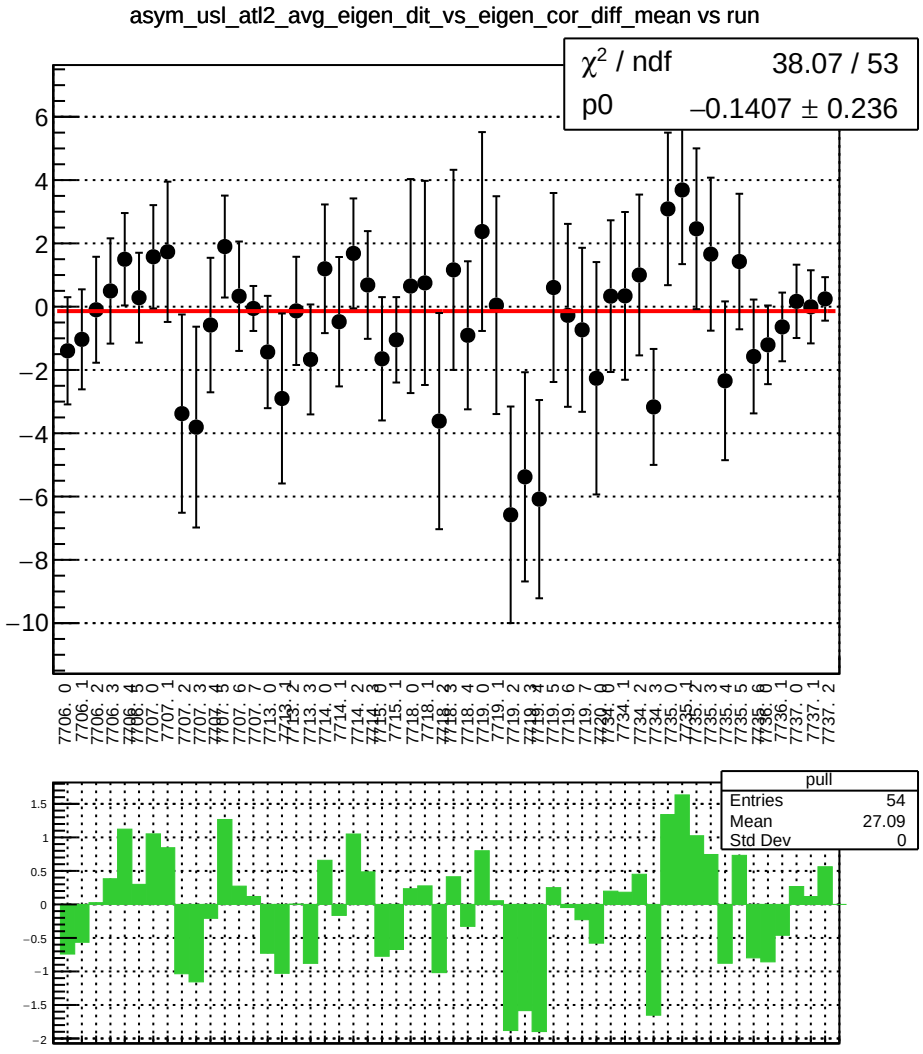

pull1D
Entries 54
Mean −0.04739
Std Dev 0.7913
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

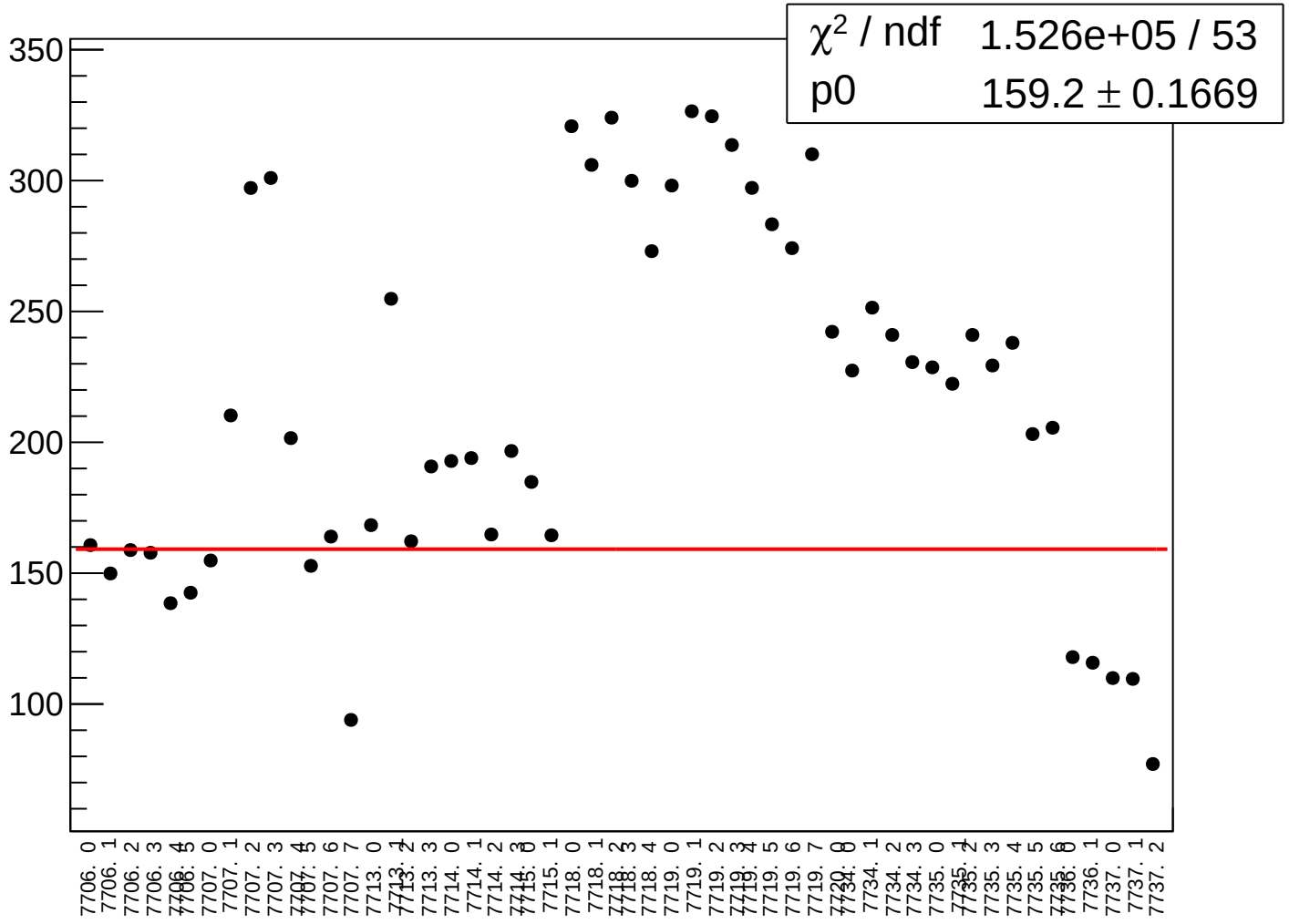

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.269e+04 / 53
p0 0.01075 ± 1.087e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

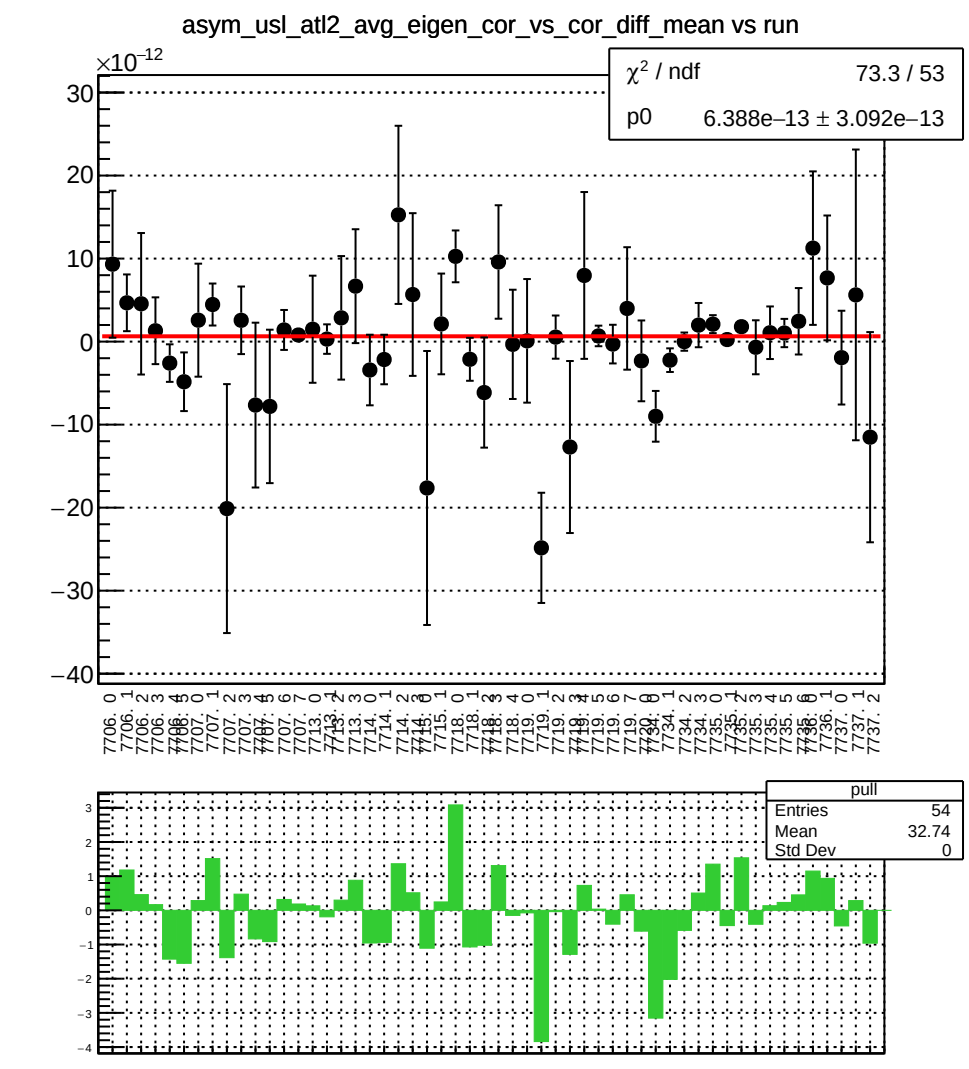

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.07 / 53
p0 −0.1407 ± 0.236
pull
Entries 54
Mean 27.09
Std Dev 0

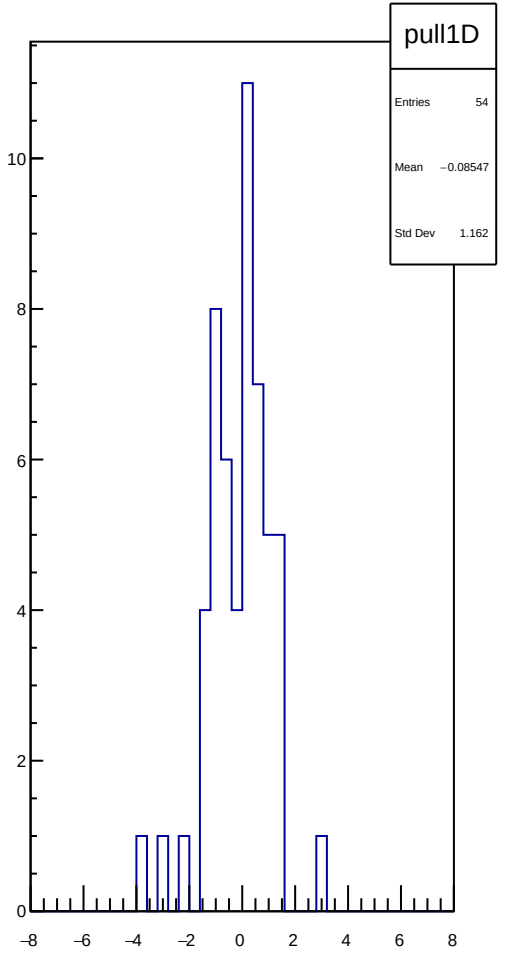

pull1D
Entries 54
Mean −0.06082
Std Dev 0.8375

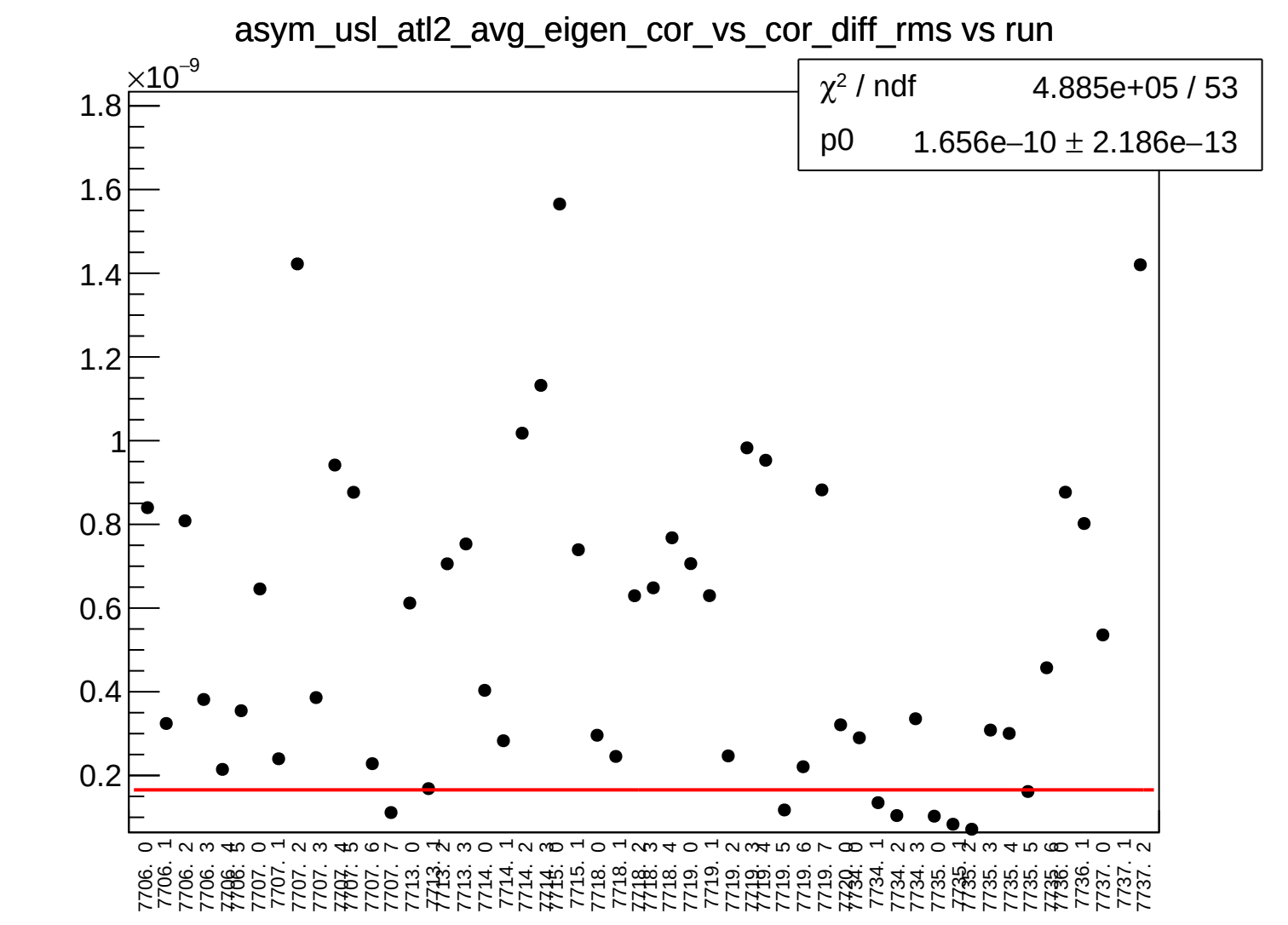

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 159.2 ± 0.1669
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

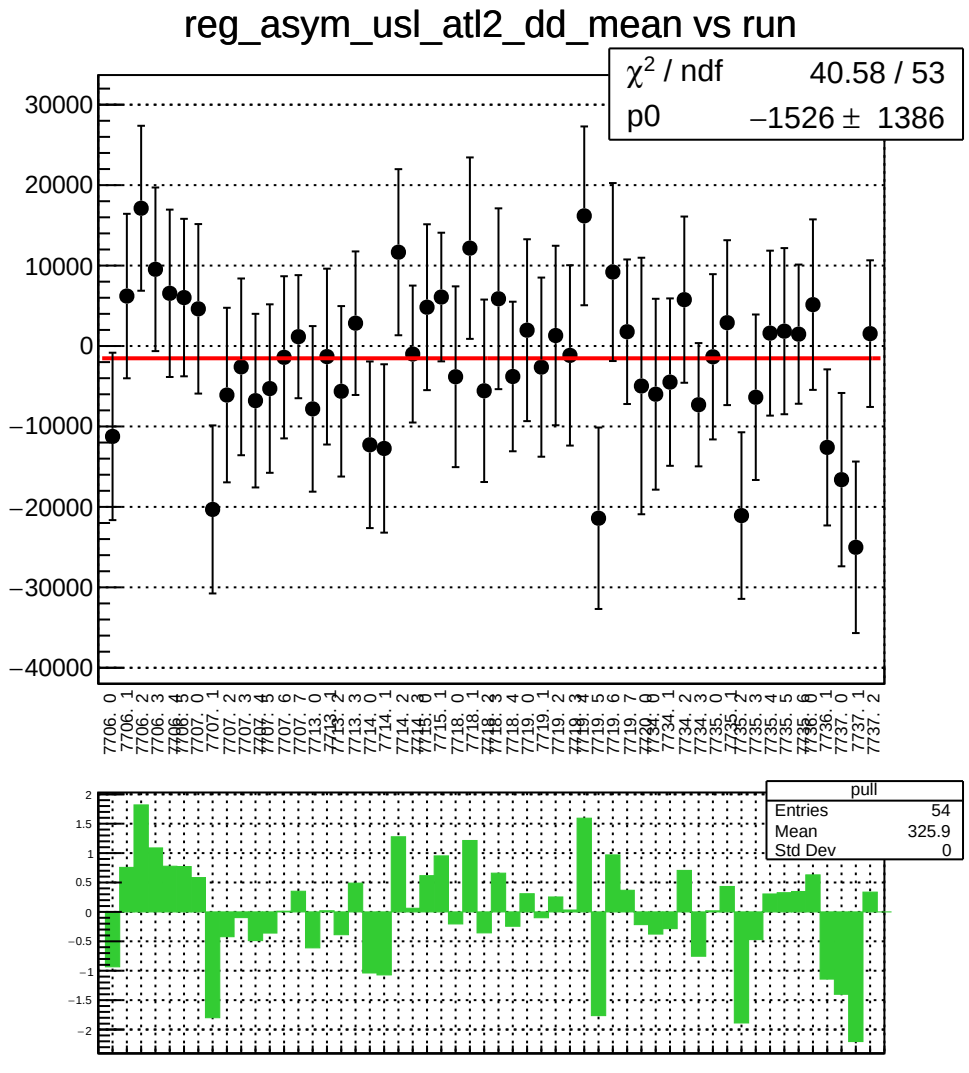

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.07 / 53
p0 −0.1407 ± 0.236
pull
Entries 54
Mean 27.09
Std Dev 0
pull1D
Entries 54
Mean −0.06082
Std Dev 0.8375

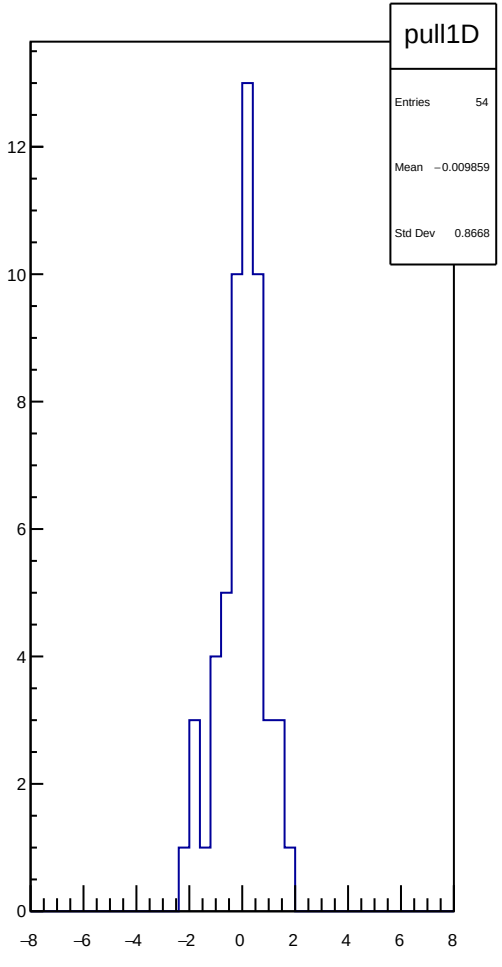

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 53
p0 159.2 ± 0.1669
350
300
250
200
150
100

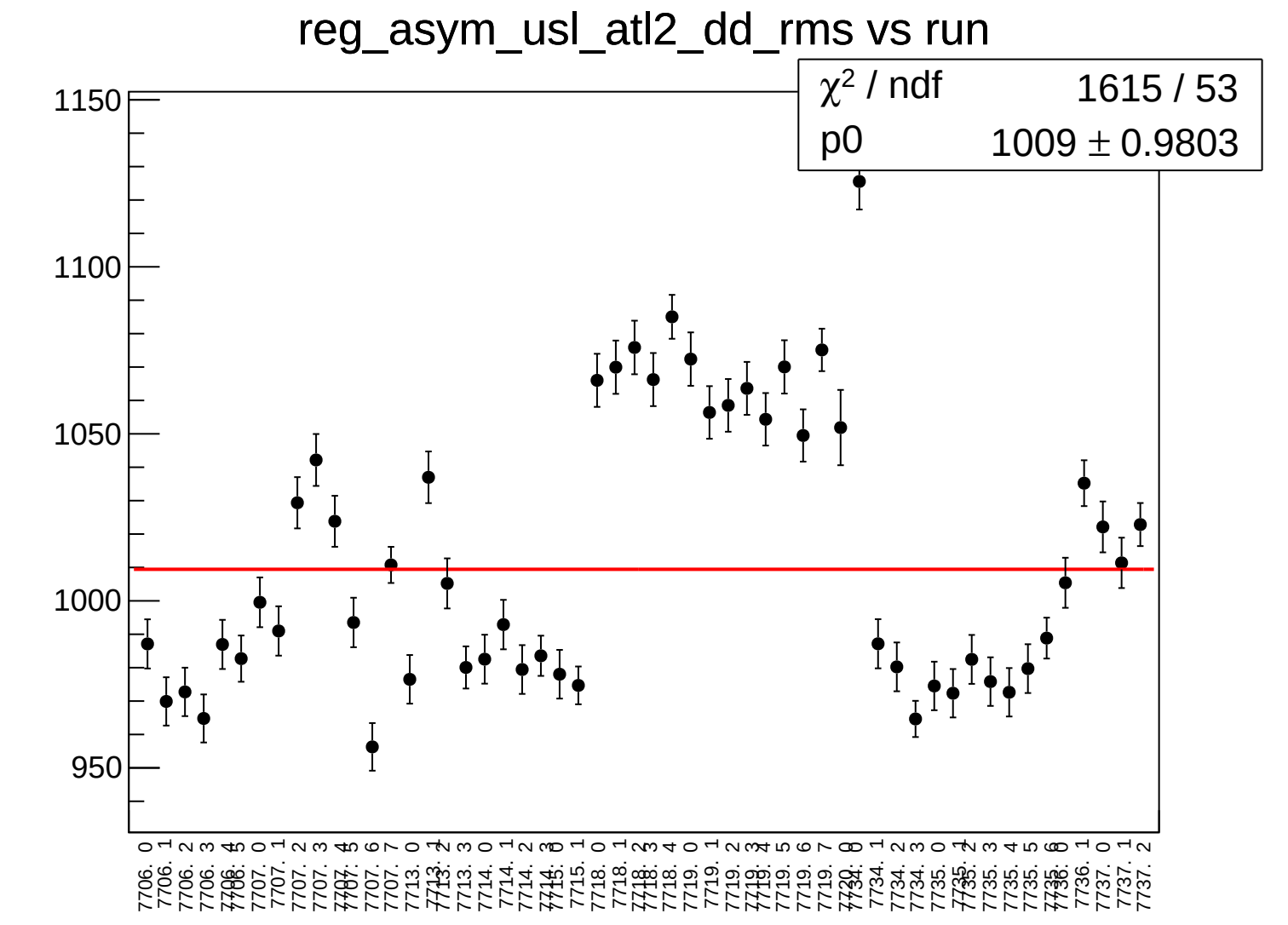

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 73.3 / 53
p0 6.388e−13 ± 3.092e−13
pull
Entries 54
Mean 32.74
Std Dev 0

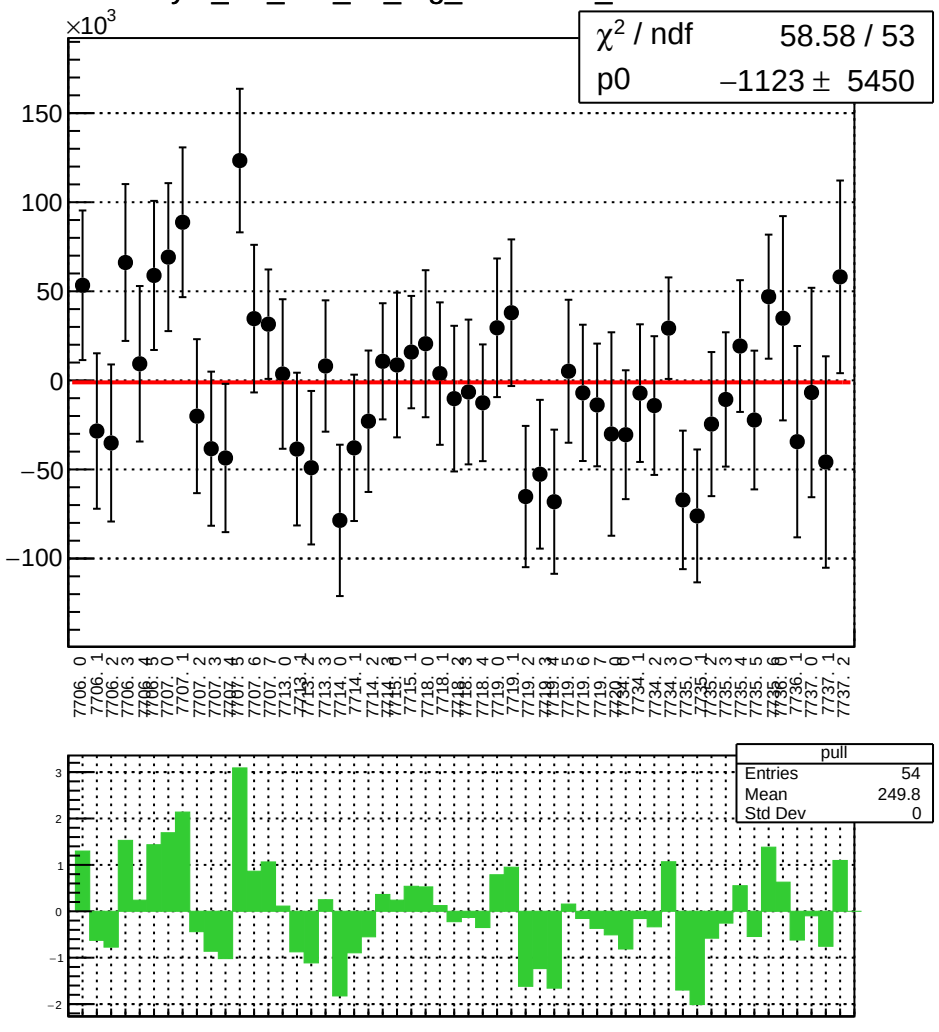

pull1D
Entries 54
Mean −0.08547
Std Dev 1.162

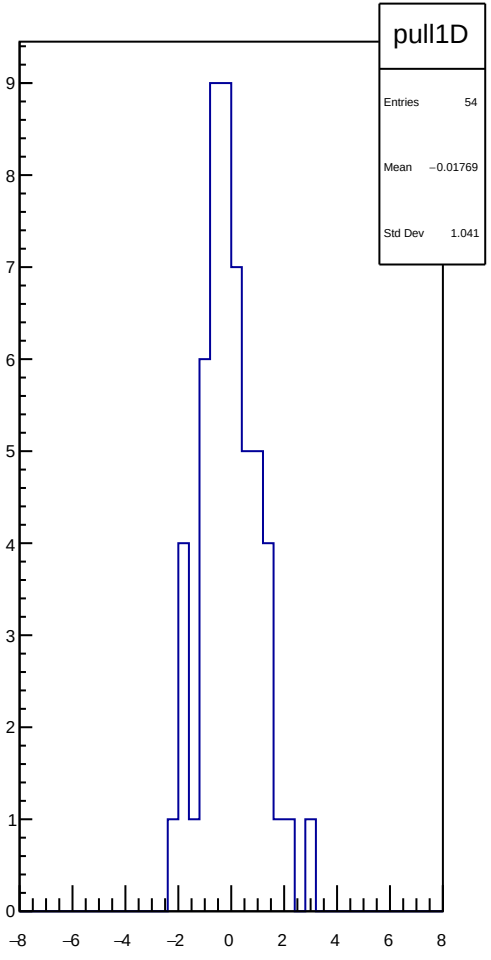

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.885e+05 / 53
p0 1.656e−10 ± 2.186e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

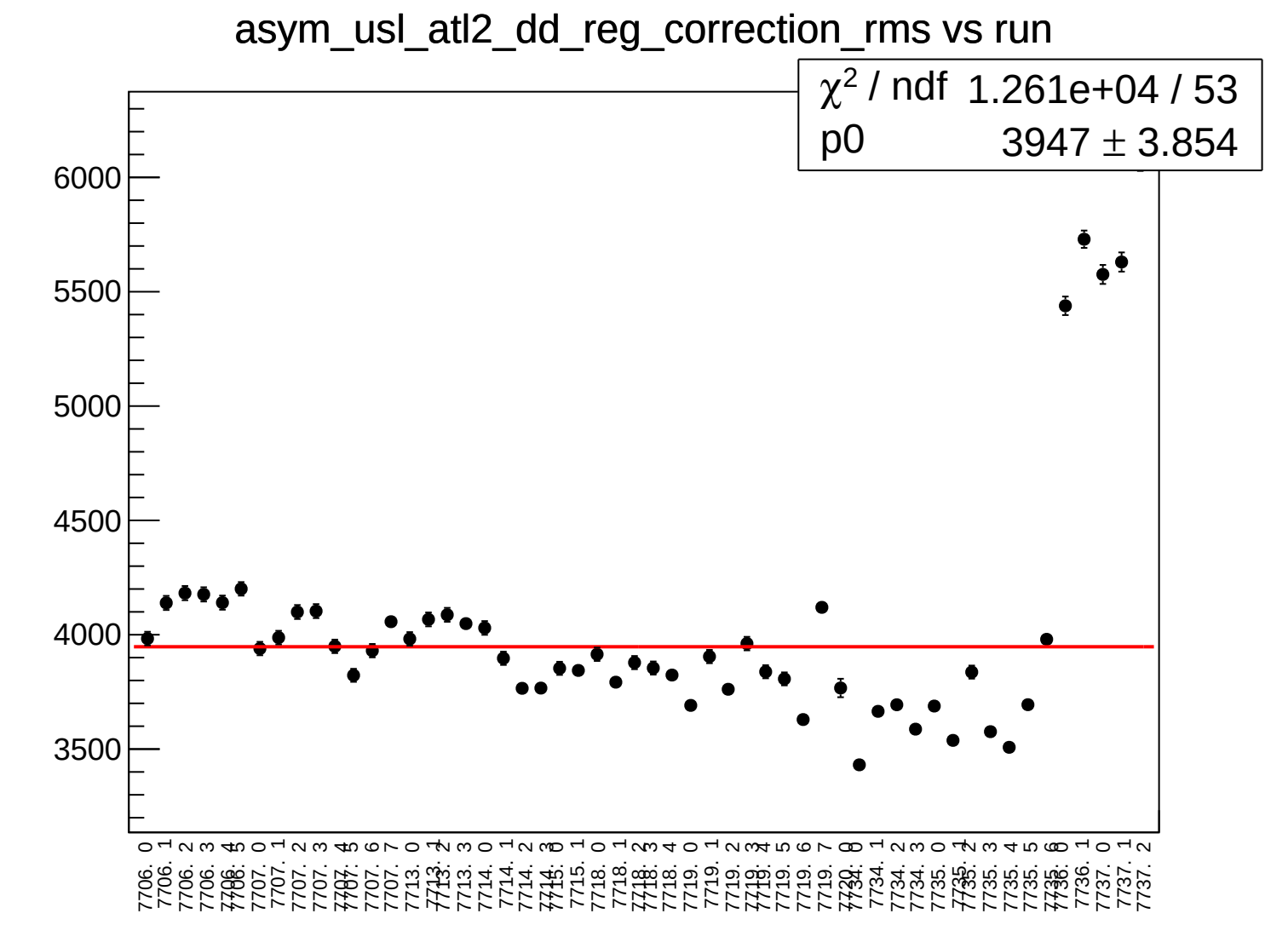

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 40.58 / 53
p0 −1526 ± 1386
pull
Entries 54
Mean 325.9
Std Dev 0

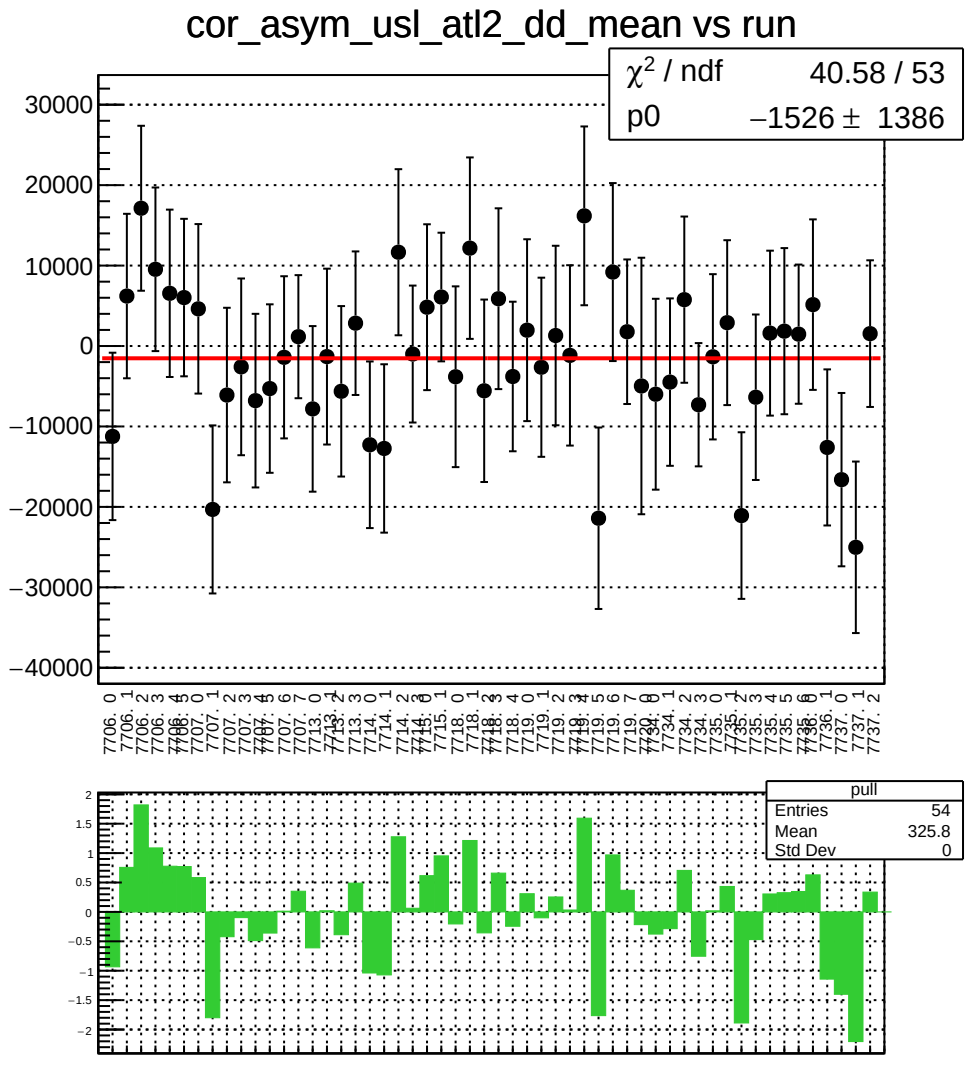

pull1D
Entries 54
Mean −0.009859
Std Dev 0.8668

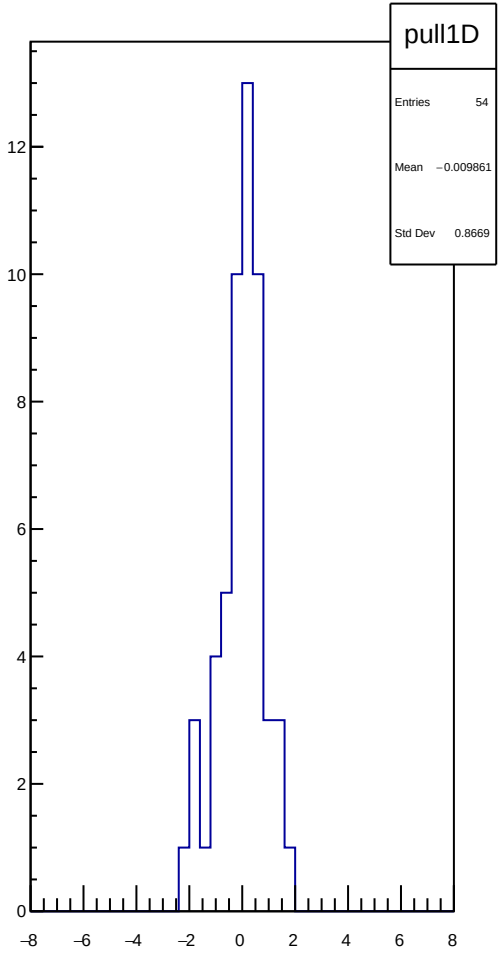

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 1615 / 53
p0 1009 ± 0.9803
1150
1100
1050
1000
950
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

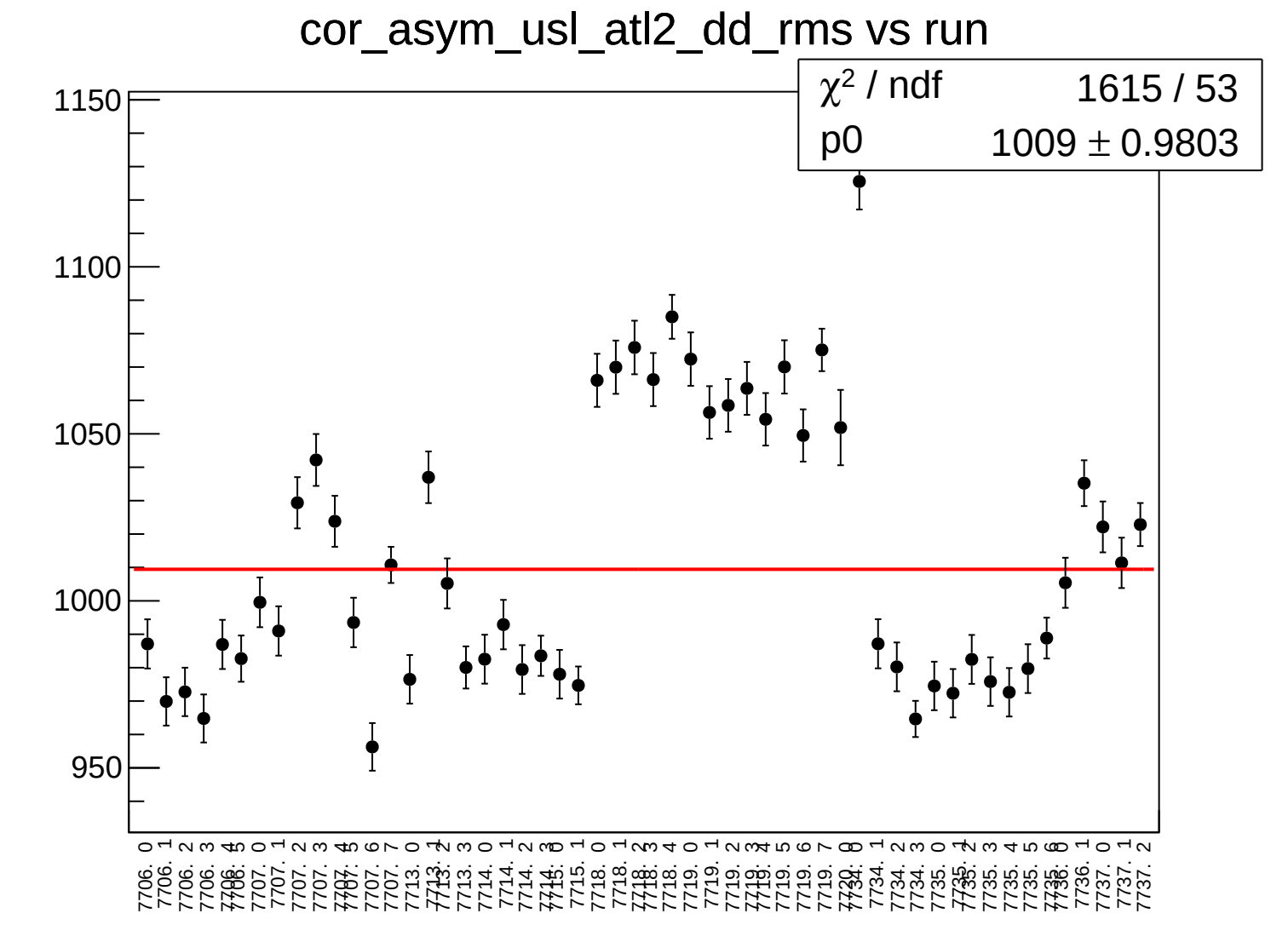

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.58 / 53
p0 −1123 ± 5450
150
100
50
0
−50
−100
pull
Entries 54
Mean 249.8
Std Dev 0
3
2
1
0
−1
−2

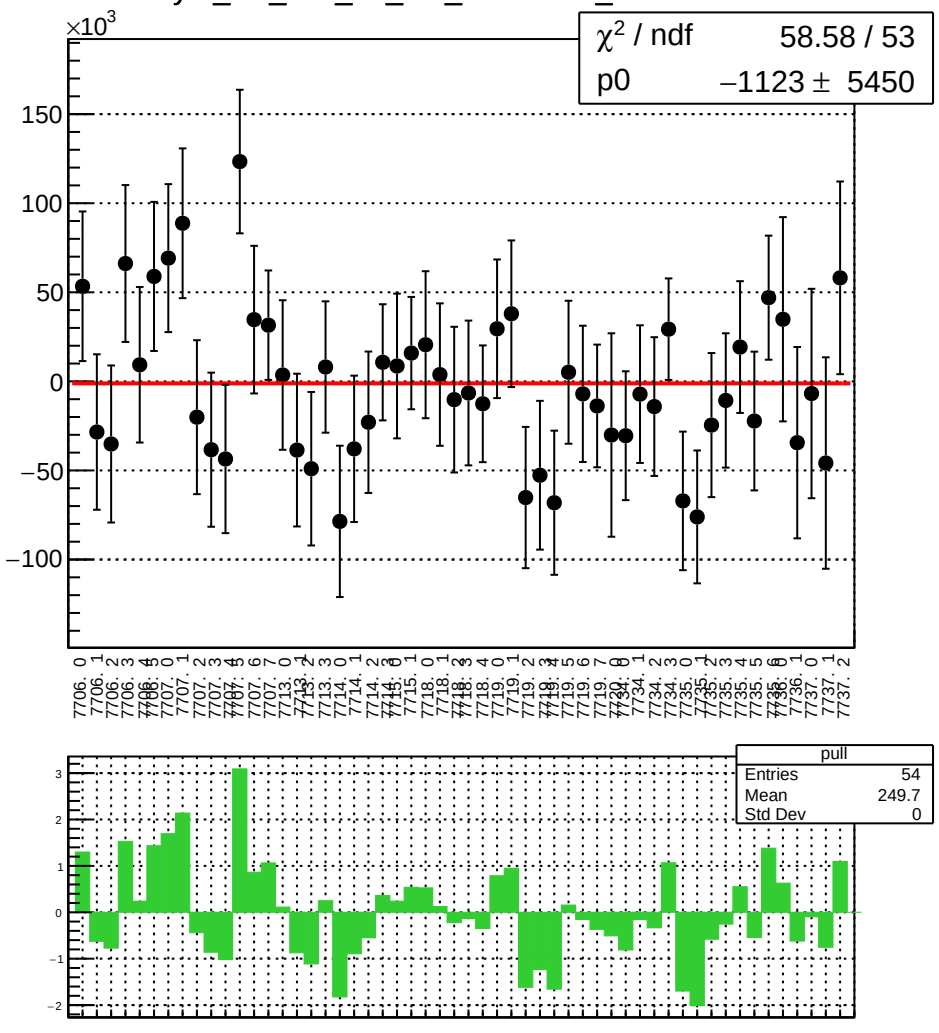

pull1D
Entries 54
Mean −0.01769
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

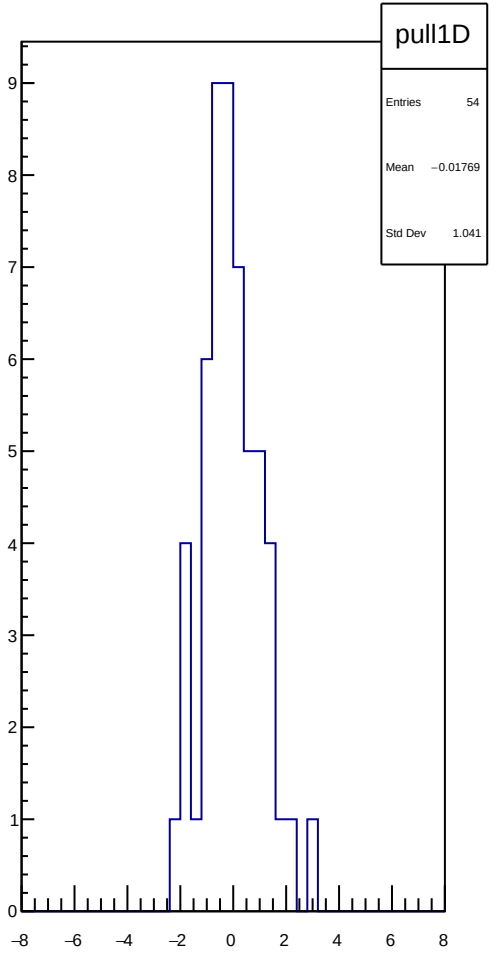

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1.261e+04 / 53
p0 3947 ± 3.854
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

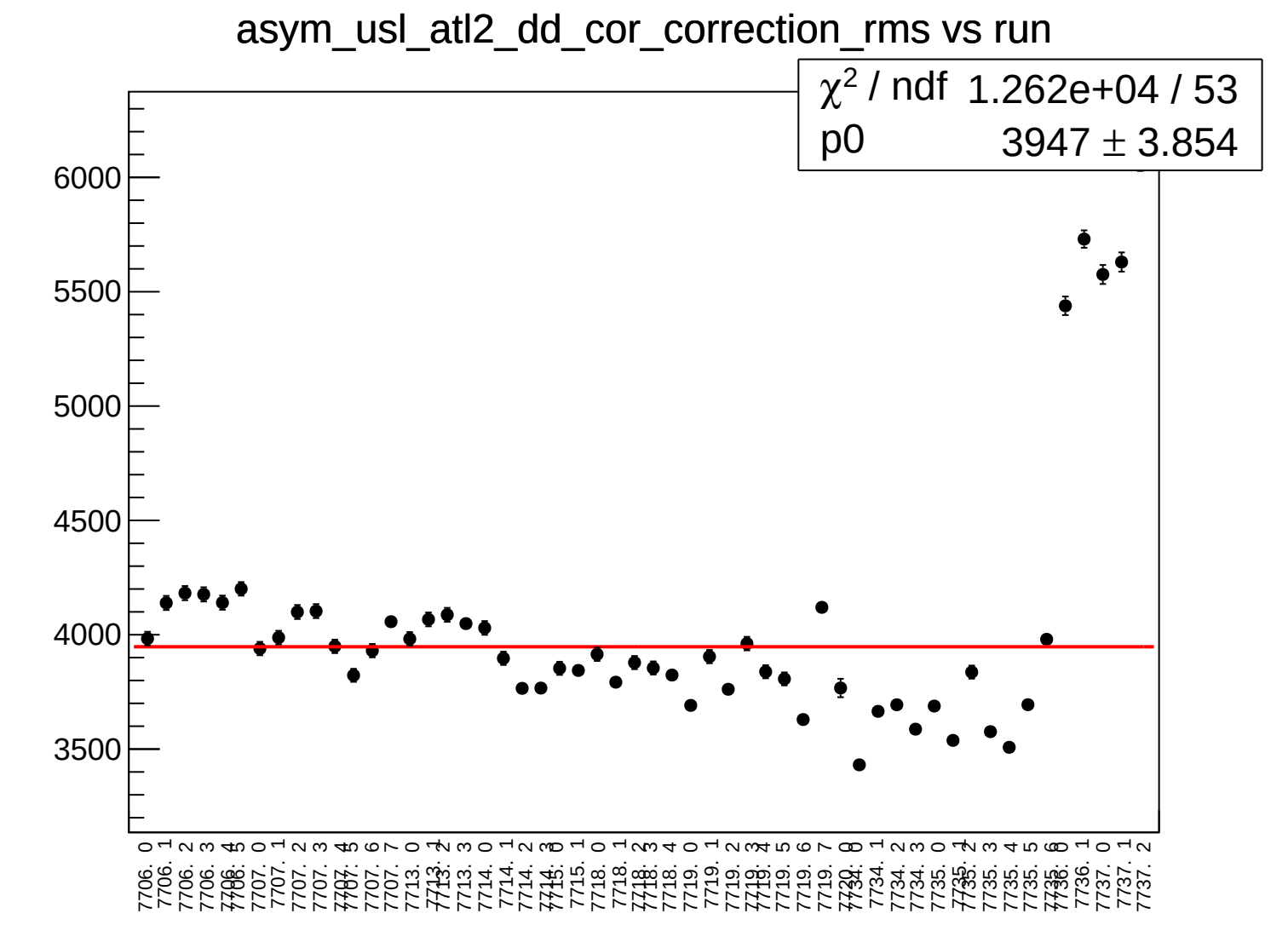

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 40.58 / 53
p0 −1526 ± 1386
pull
Entries 54
Mean 325.8
Std Dev 0

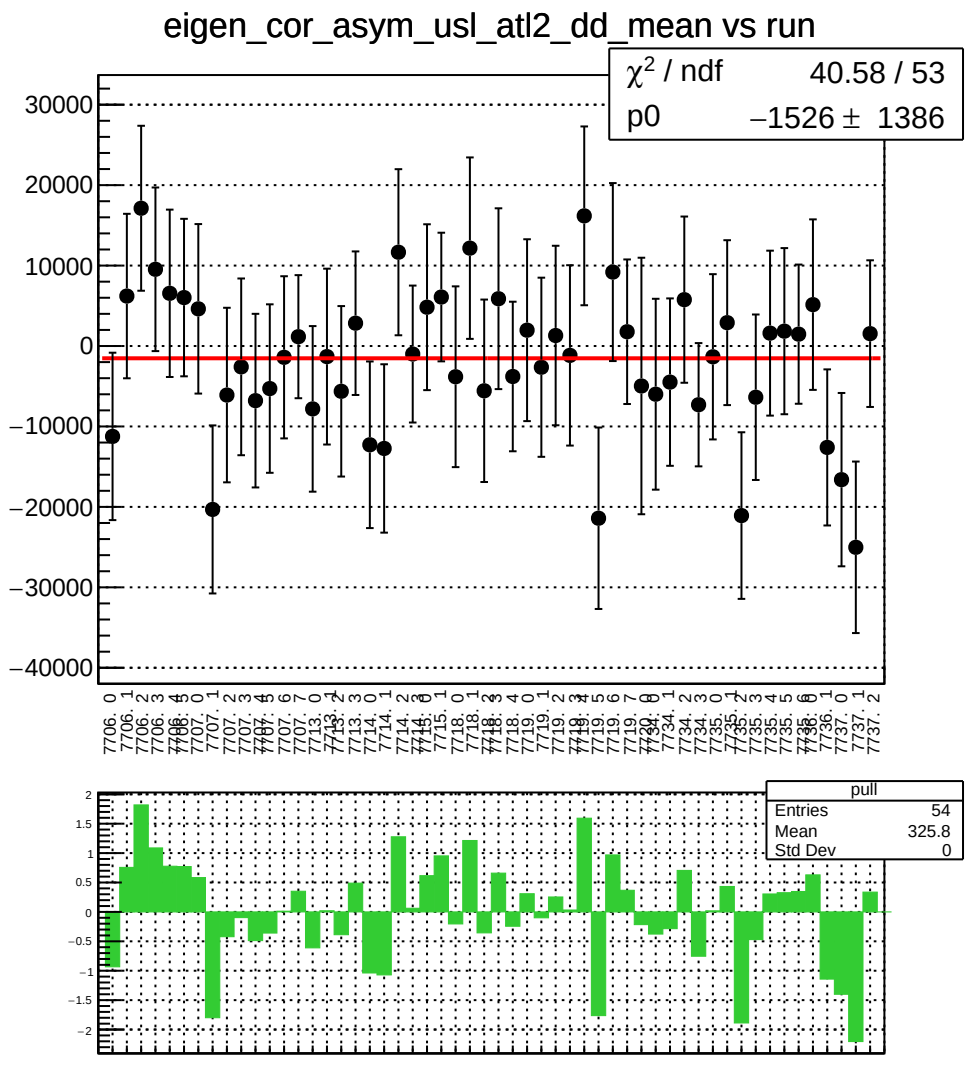

pull1D
Entries 54
Mean −0.009861
Std Dev 0.8669

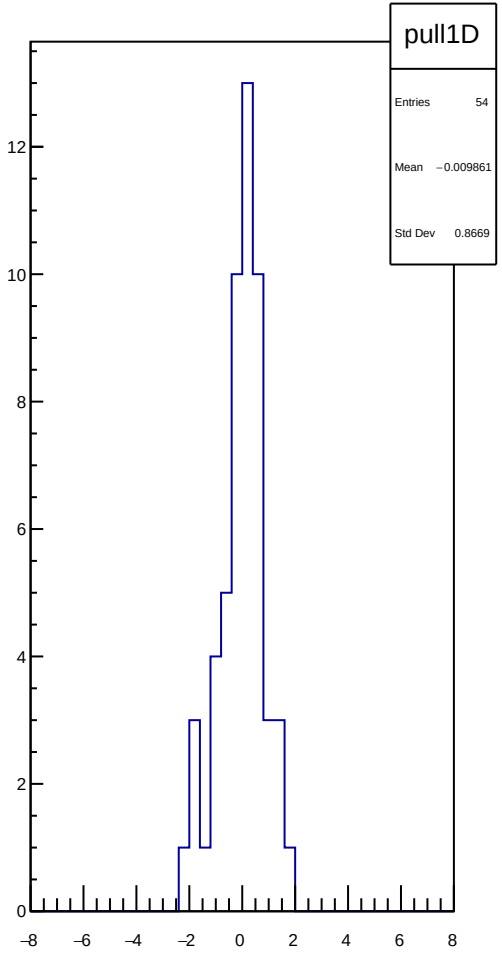

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1615 / 53
p0 1009 ± 0.9803
1150
1100
1050
1000
950

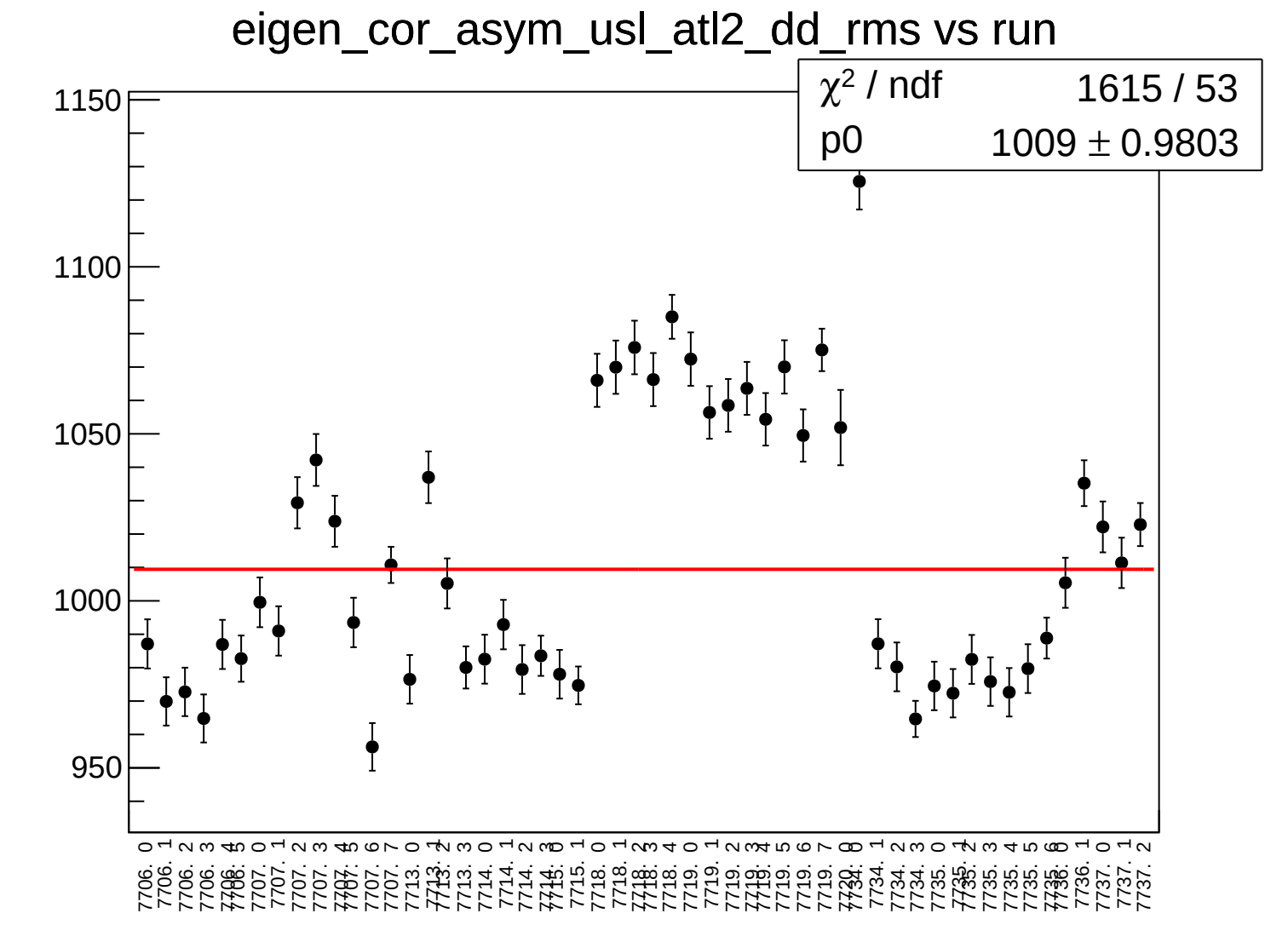

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 58.58 / 53
p0 −1123 ± 5450
pull
Entries 54
Mean 249.7
Std Dev 0

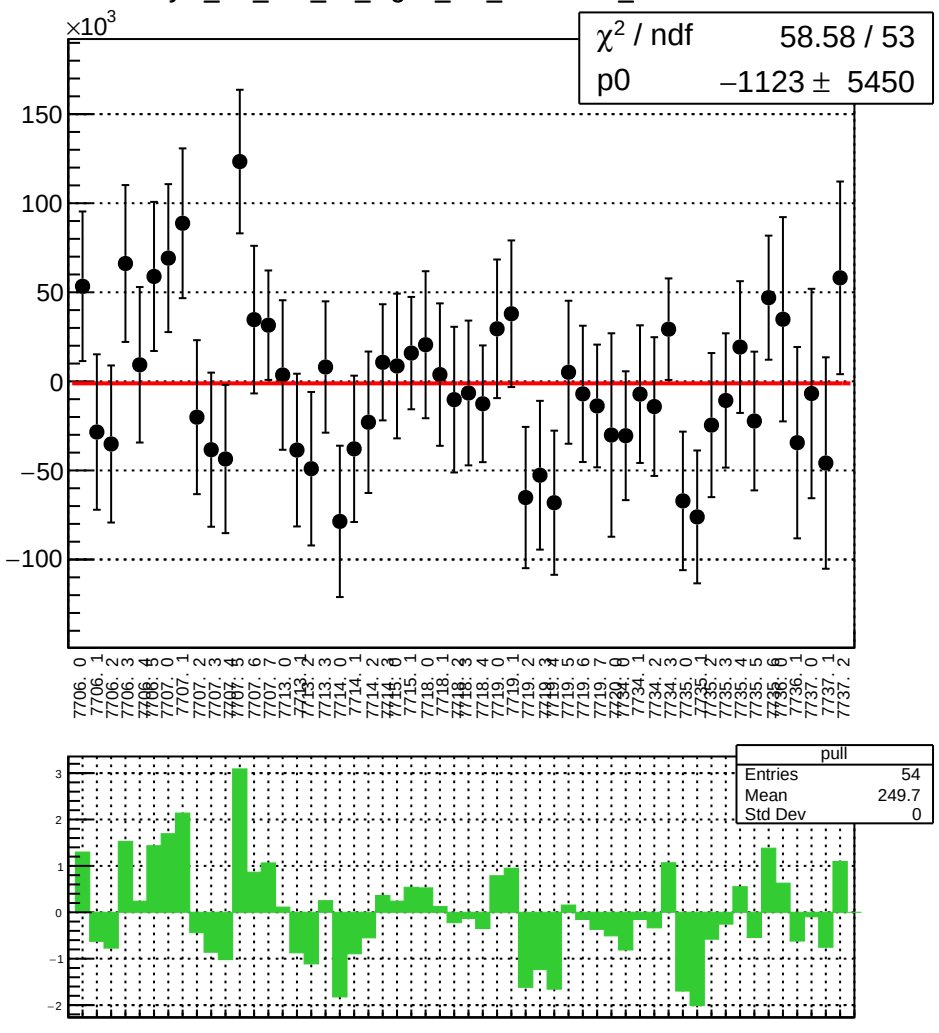

pull1D
Entries 54
Mean −0.01769
Std Dev 1.041

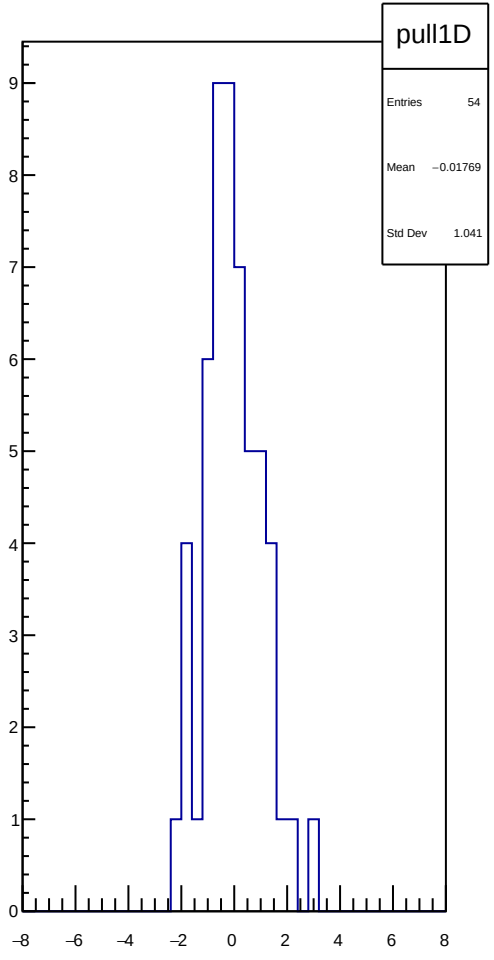

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1.262e+04 / 53
p0 3947 ± 3.854
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

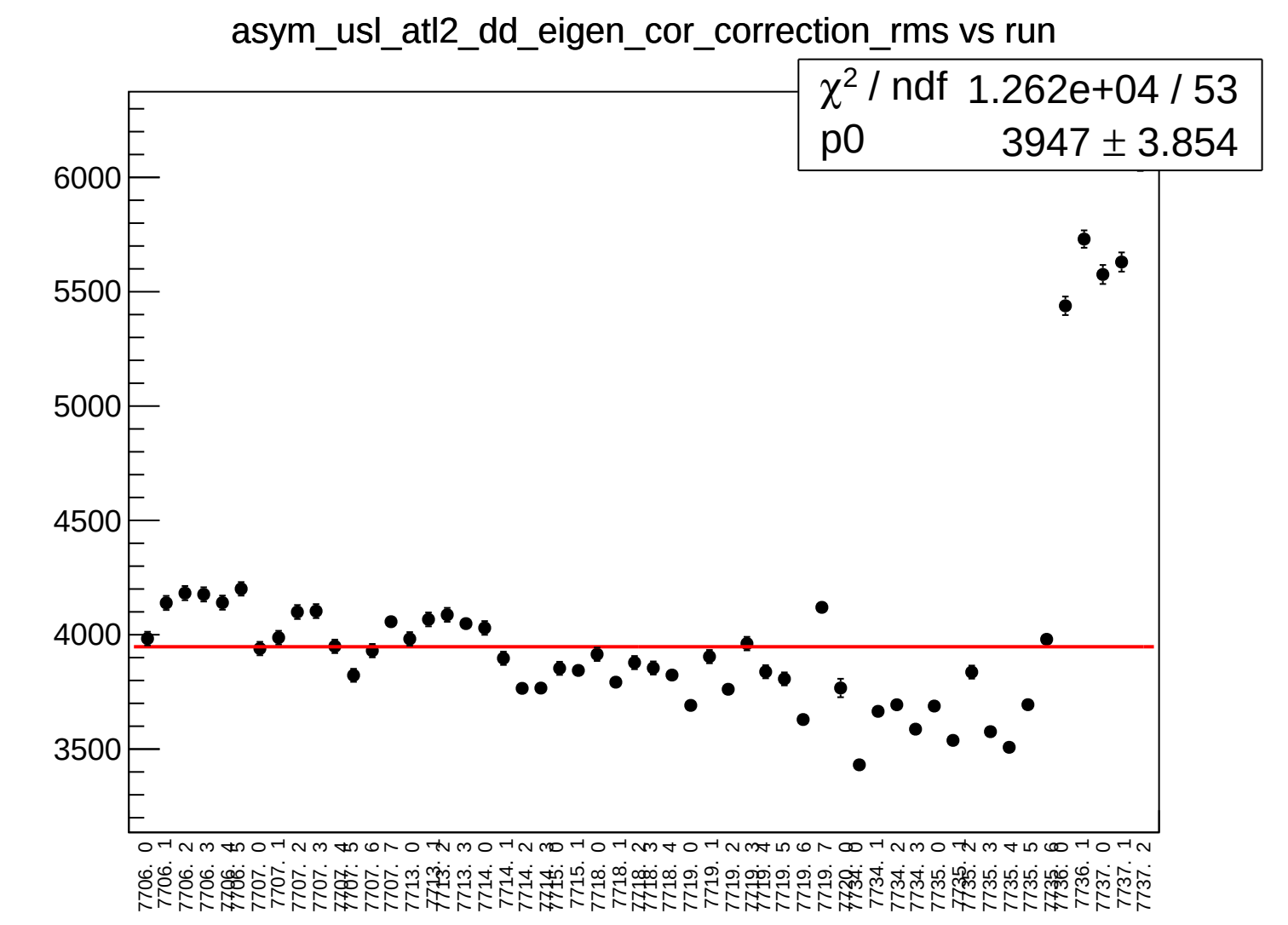

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 40.58 / 53
p0 −1526 ± 1386
pull
Entries 54
Mean 325.8
Std Dev 0

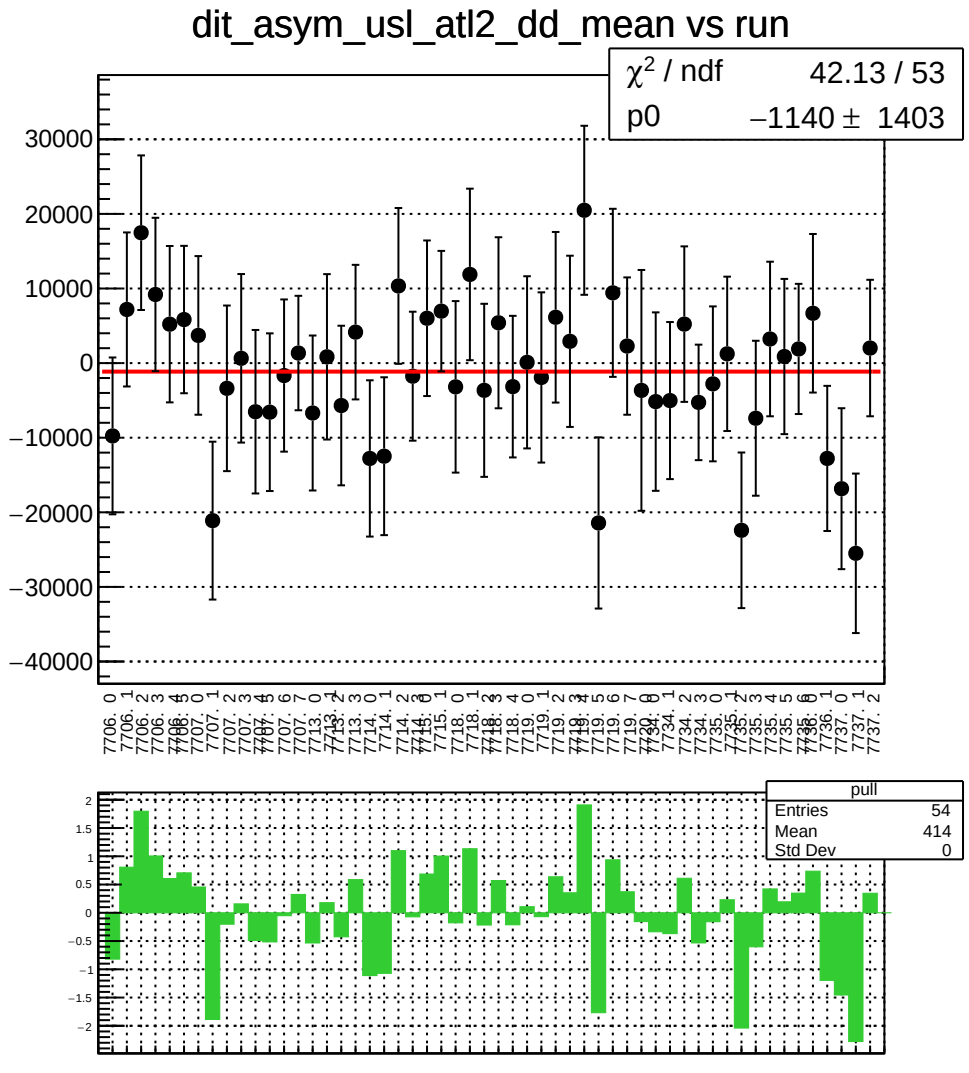

pull1D
Entries 54
Mean −0.009861
Std Dev 0.8669

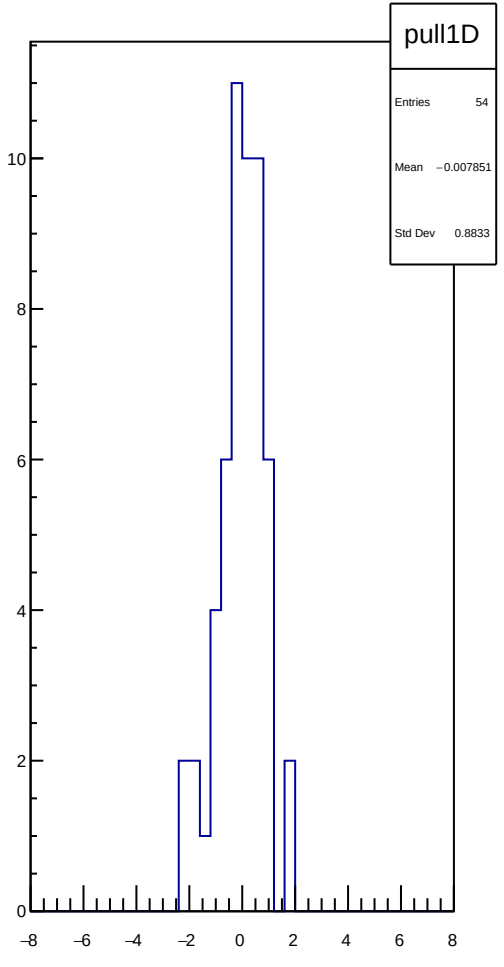

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1615 / 53
p0 1009 ± 0.9803
1150
1100
1050
1000
950

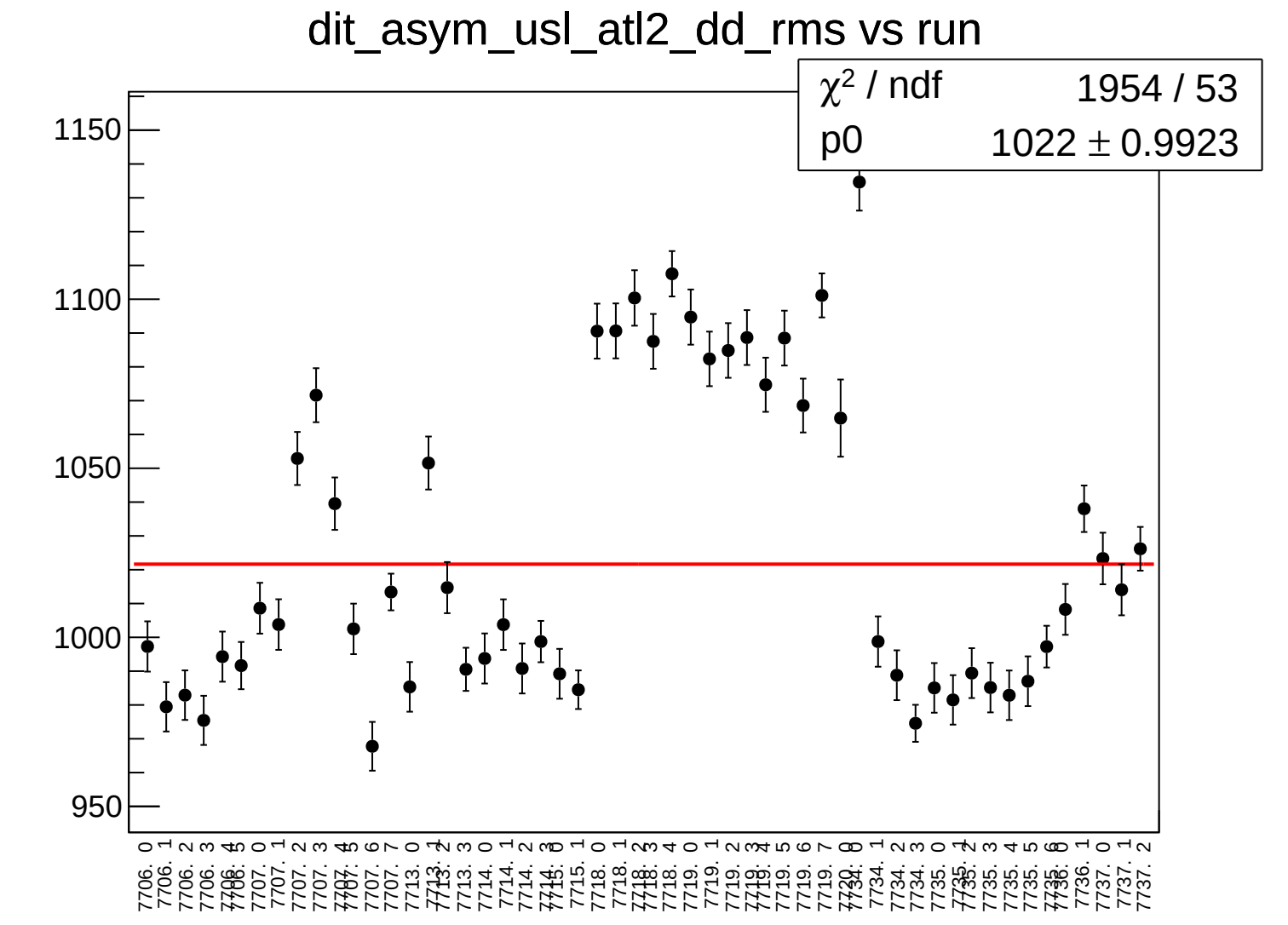

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.58 / 53
p0 −1123 ± 5450
150
100
50
0
−50
−100
pull
Entries 54
Mean 249.7
Std Dev 0
3
2
1
0
−1
−2

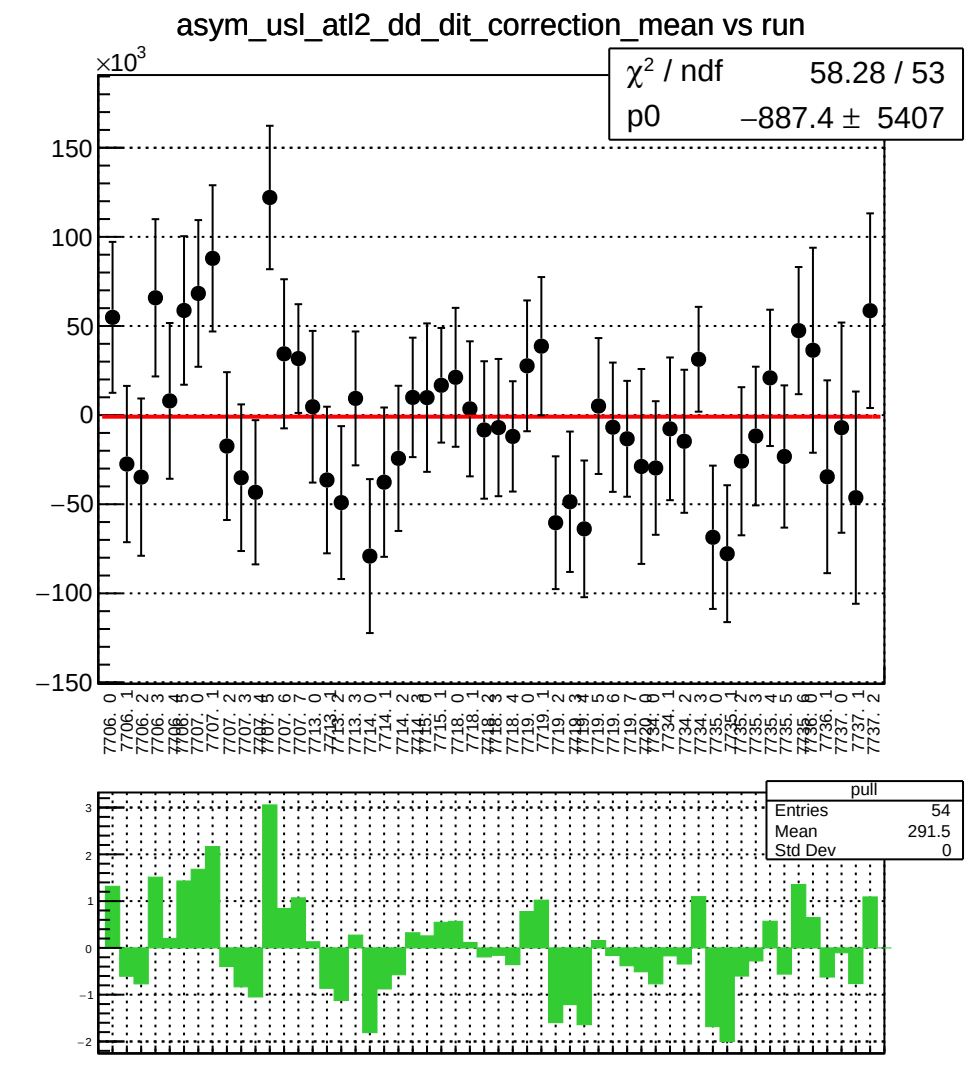

pull1D
Entries 54
Mean −0.01769
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

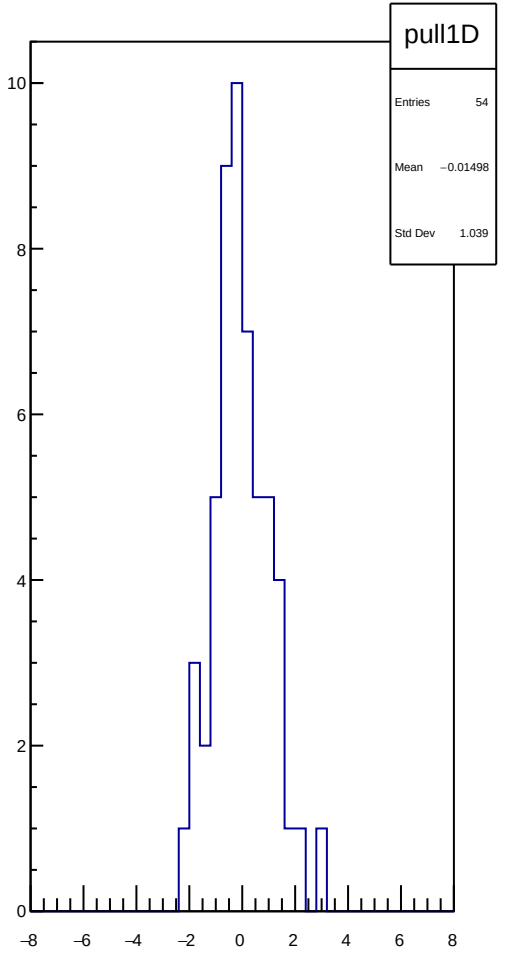

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.262e+04 / 53
p0 3947 ± 3.854
6000
5500
5000
4500
4000
3500

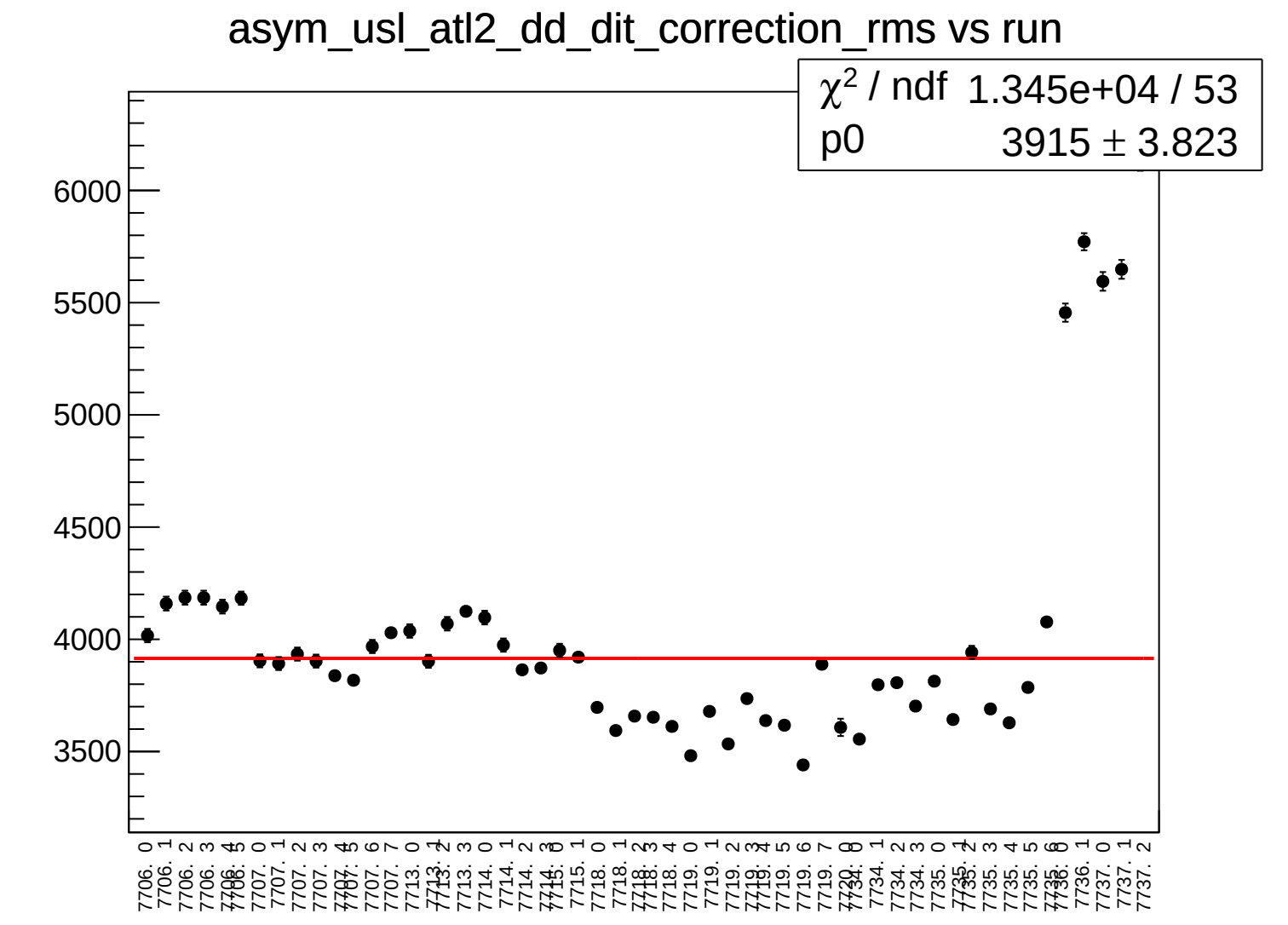

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 42.13 / 53
p0 −1140 ± 1403
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 414
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

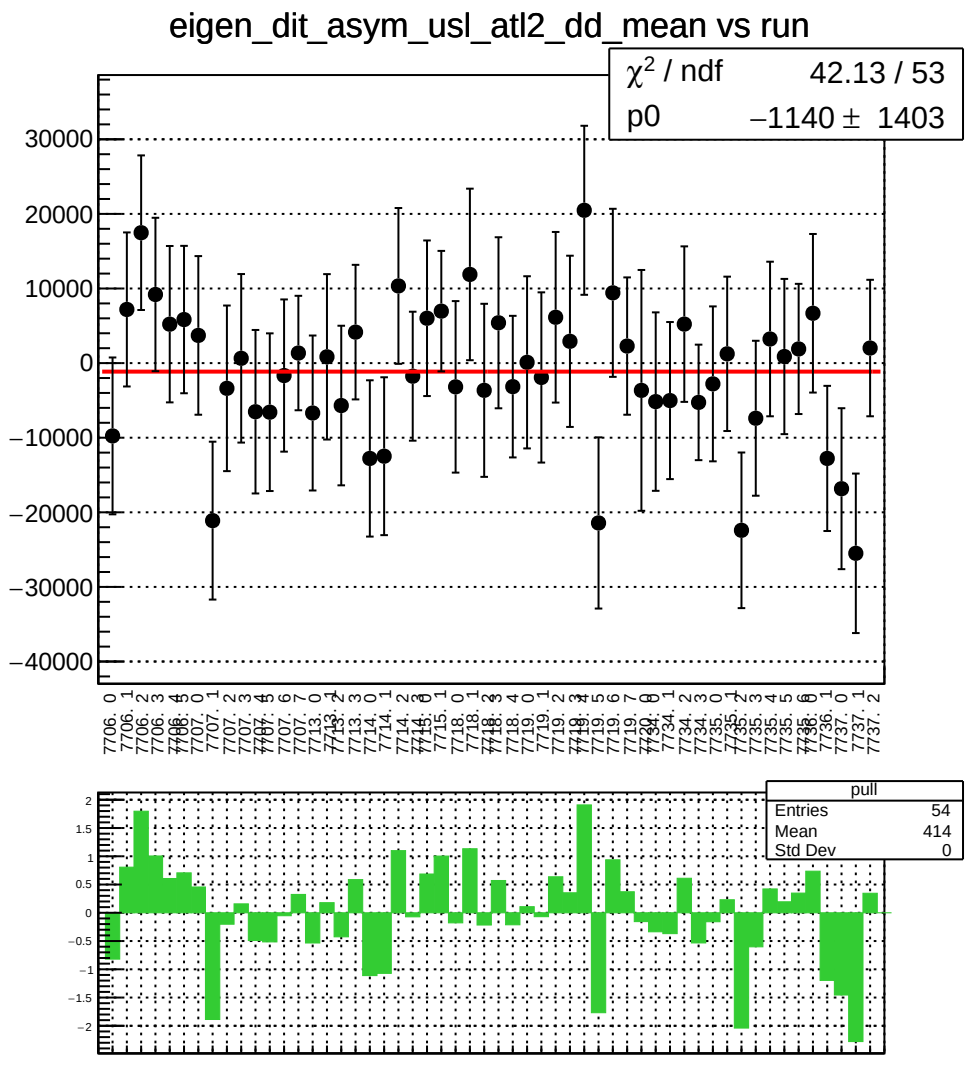

pull1D
Entries 54
Mean −0.007851
Std Dev 0.8833
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

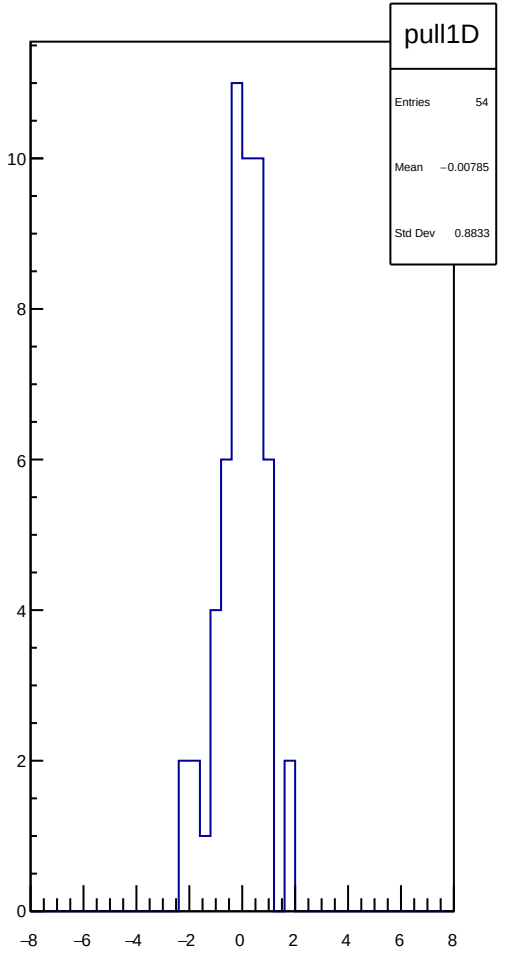

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1954 / 53
p0 1022 ± 0.9923
1150
1100
1050
1000
950
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

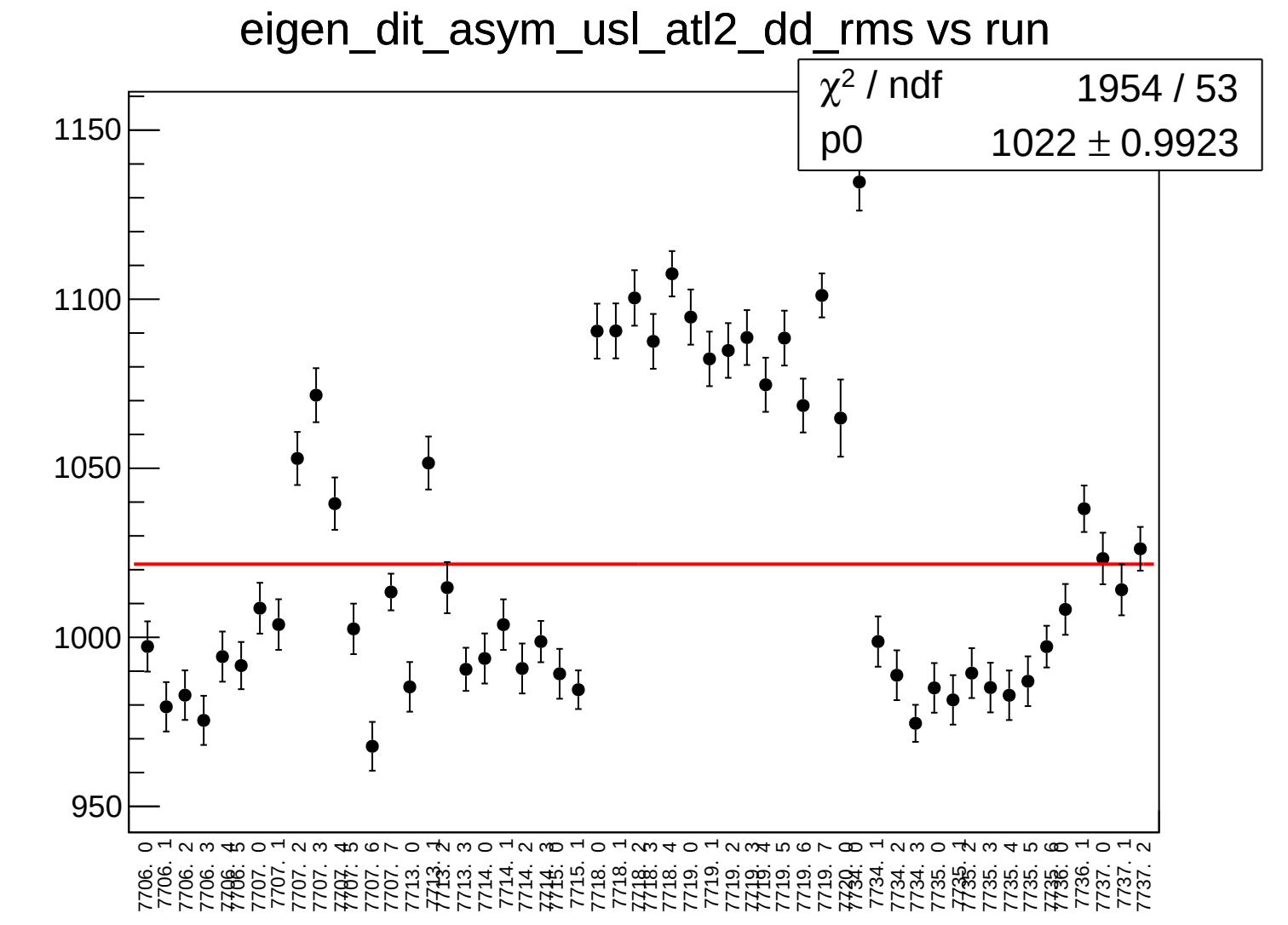

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 58.28 / 53
p0 −887.4 ± 5407
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 291.5
Std Dev 0
3
2
1
0
−1
−2

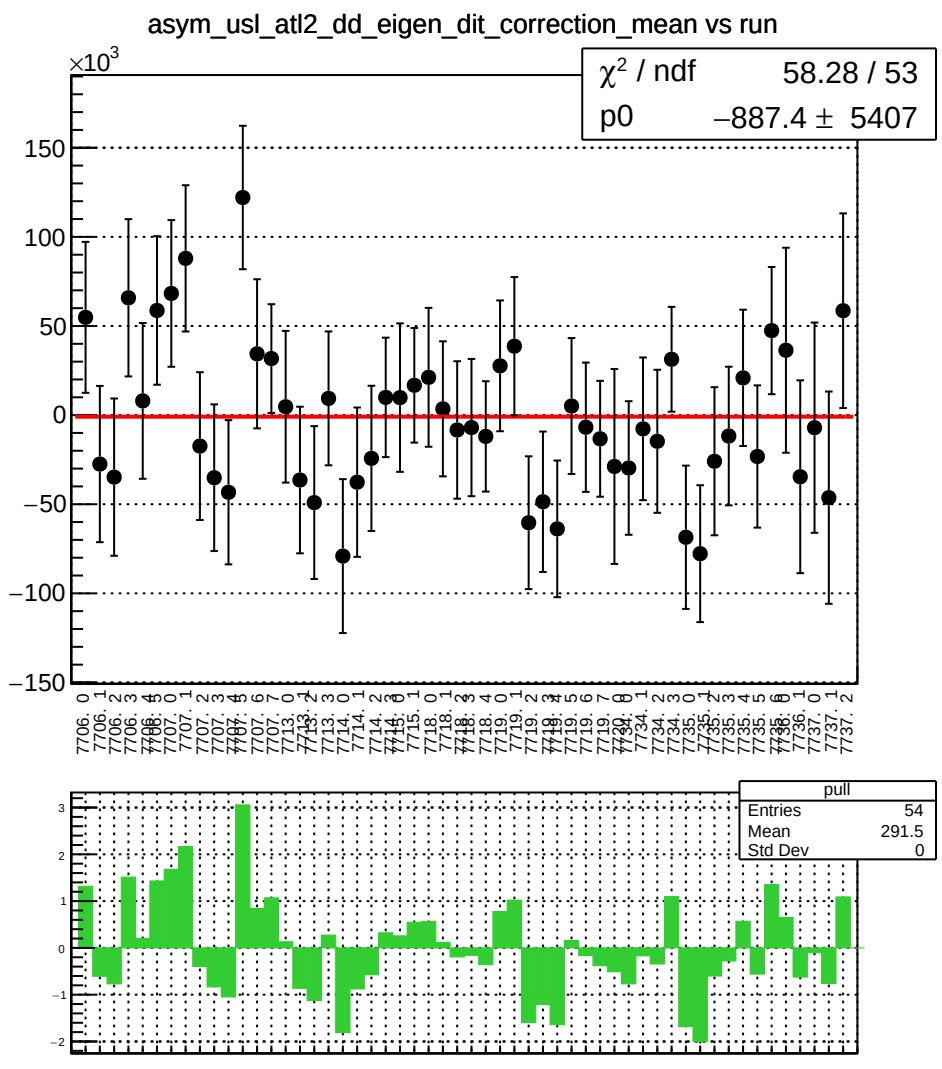

pull1D
Entries 54
Mean −0.01498
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

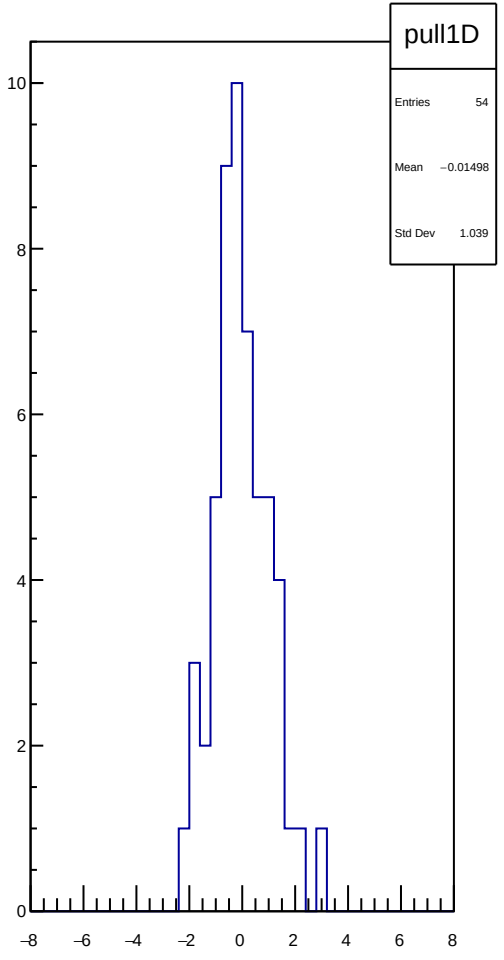

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 1.345e+04 / 53
p0 3915 ± 3.823
6000
5500
5000
4500
4000
3500

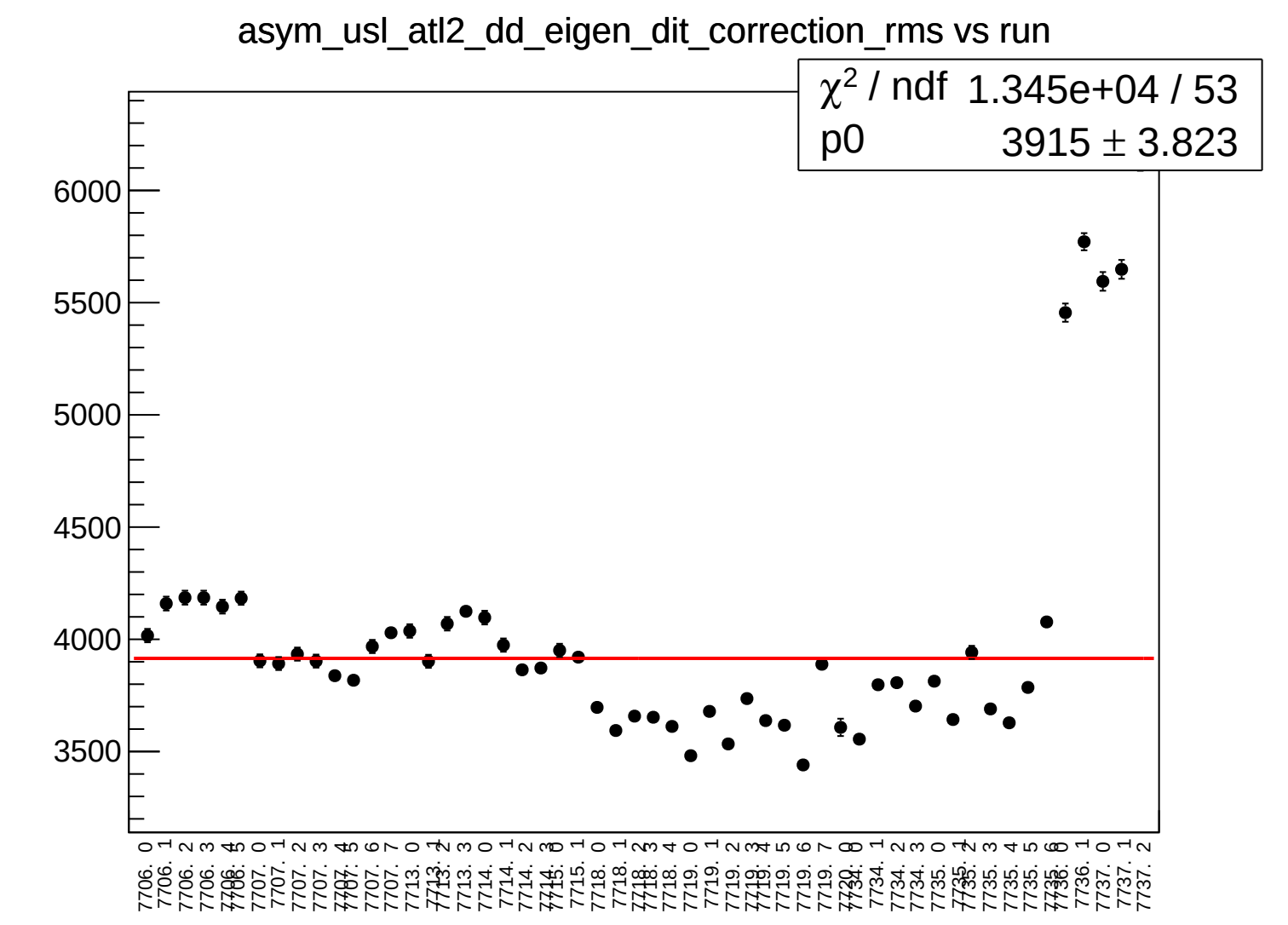

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 42.13 / 53
p0 −1140 ± 1403
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 414
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

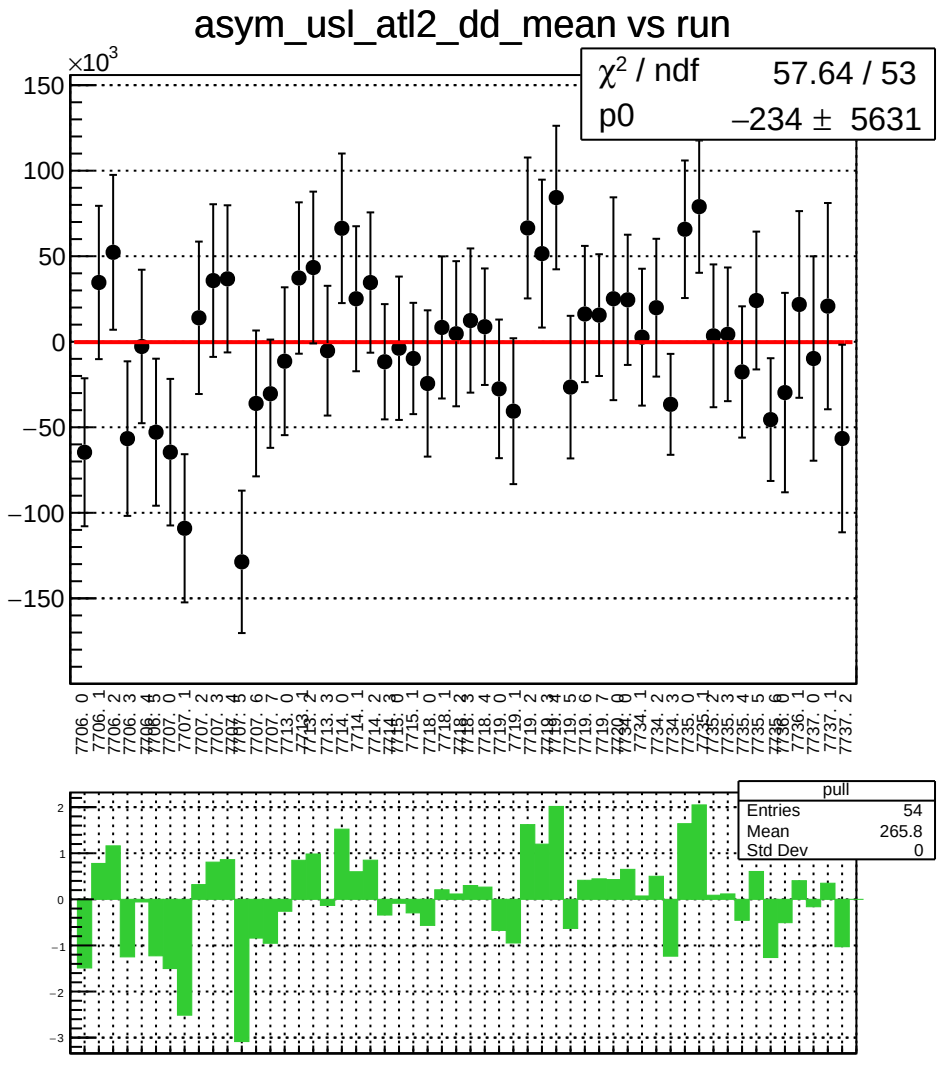

pull1D
Entries 54
Mean −0.00785
Std Dev 0.8833
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

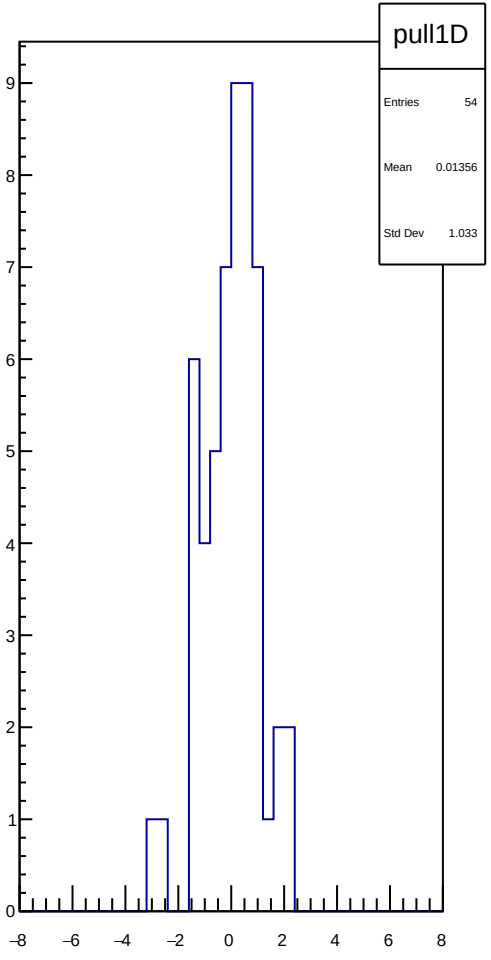

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1954 / 53
p0 1022 ± 0.9923
1150
1100
1050
1000
950

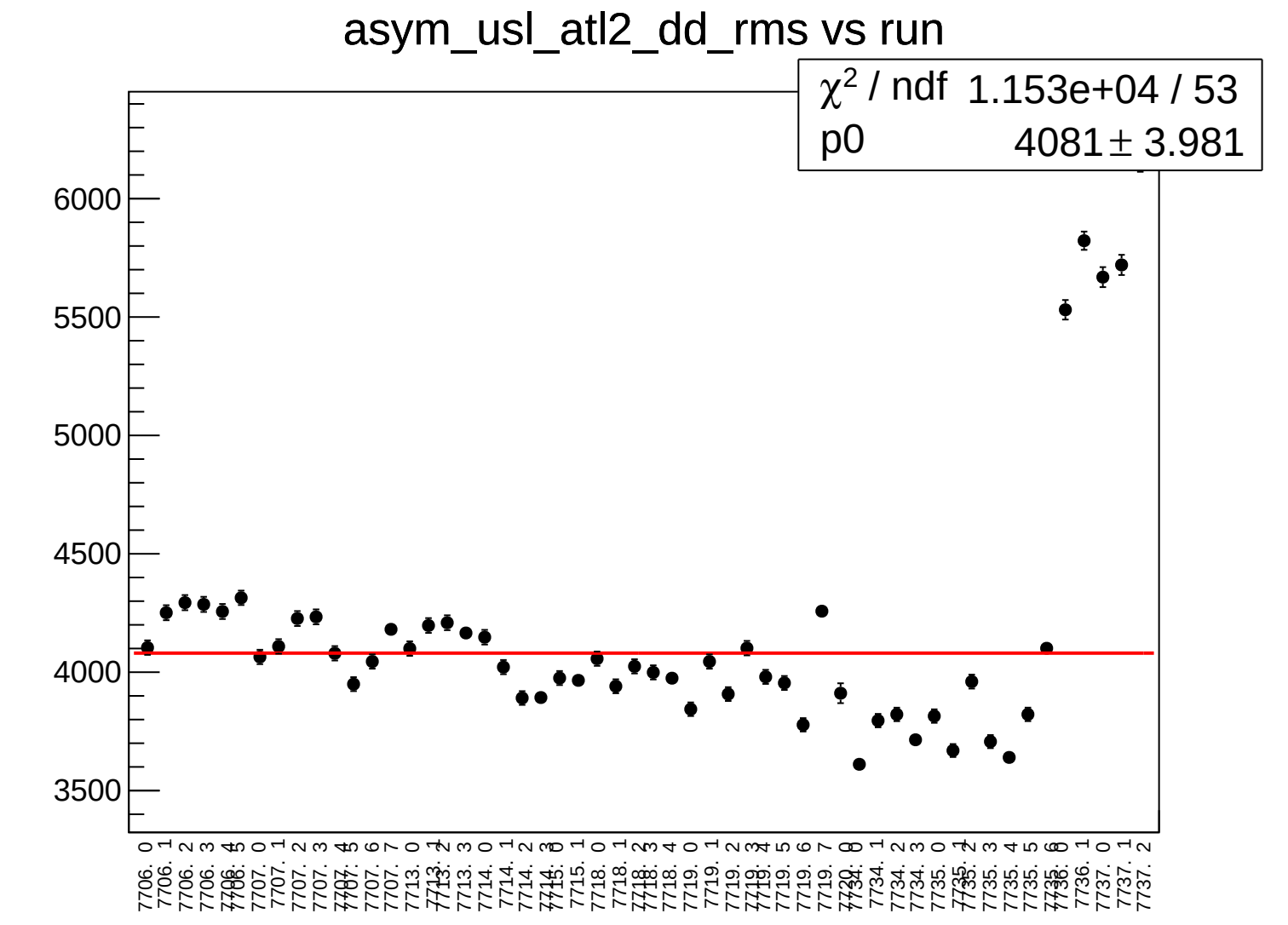

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.28 / 53
p0 −887.4 ± 5407
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 291.5
Std Dev 0
3
2
1
0
−1
−2

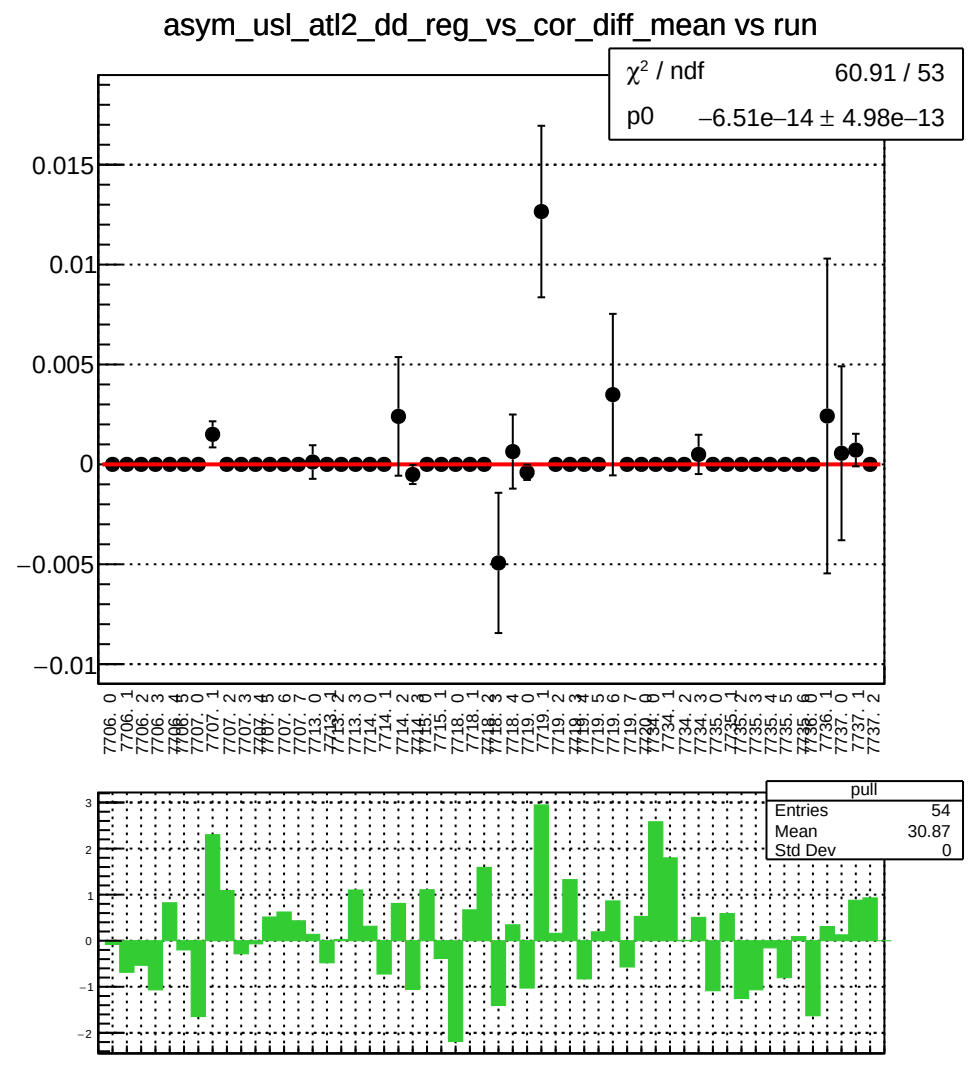

pull1D
Entries 54
Mean −0.01498
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

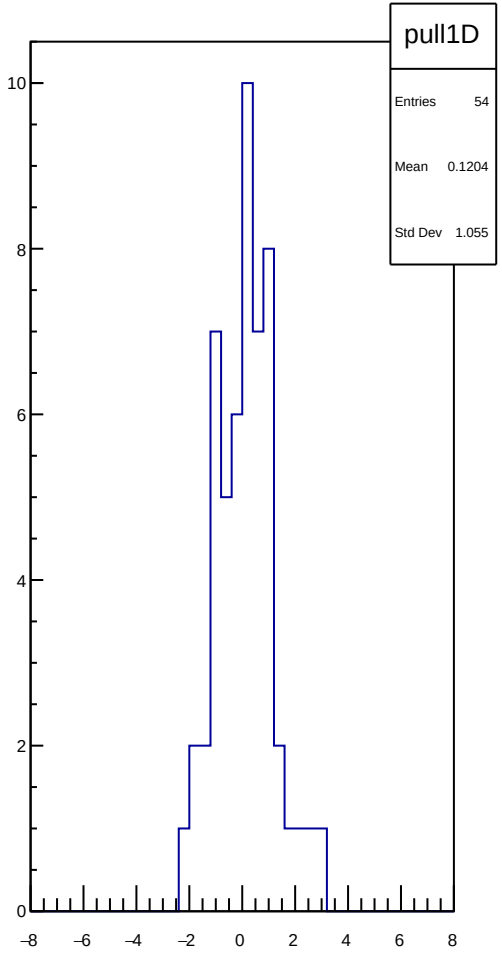

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.345e+04 / 53
p0 3915 ± 3.823
6000
5500
5000
4500
4000
3500

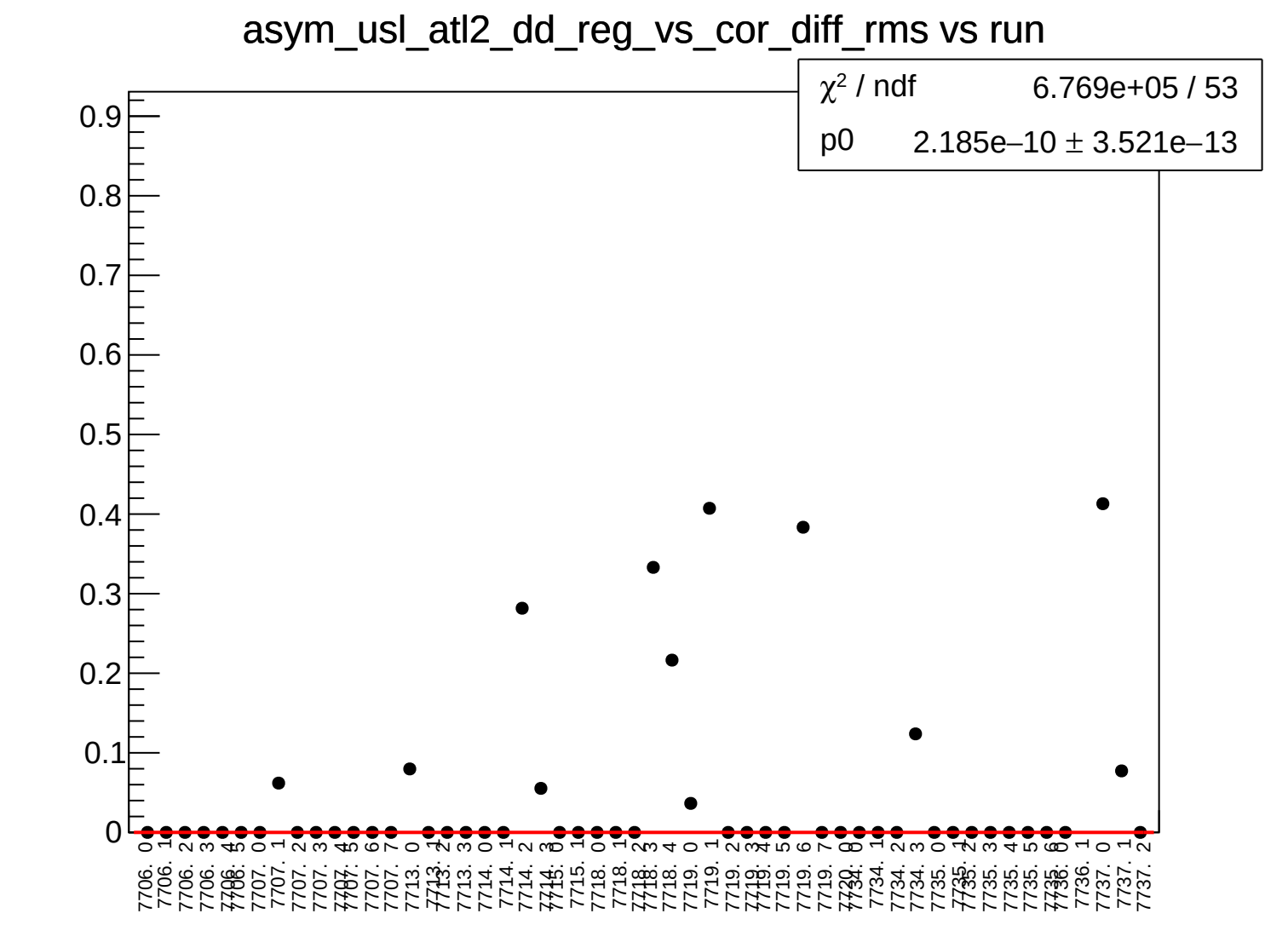

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 57.64 / 53
p0 −234 ± 5631
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 265.8
Std Dev 0
2
1
0
−1
−2
−3

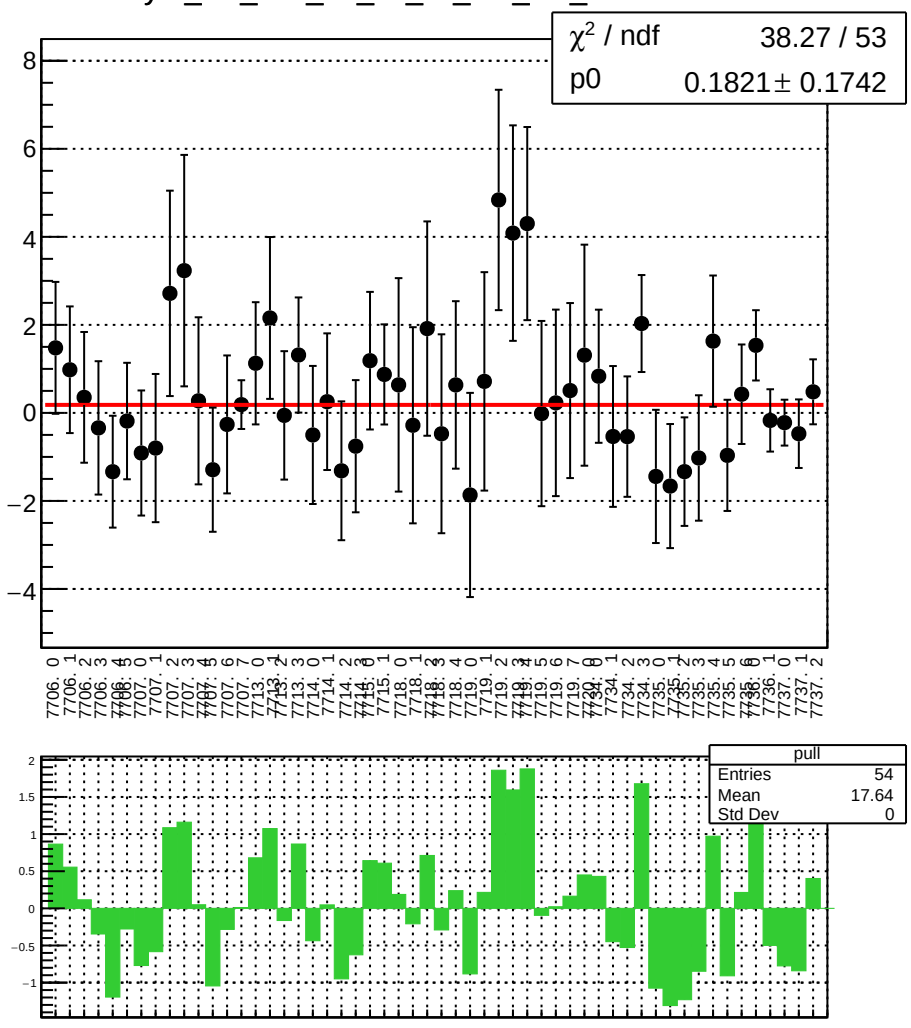

pull1D
Entries 54
Mean 0.01356
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

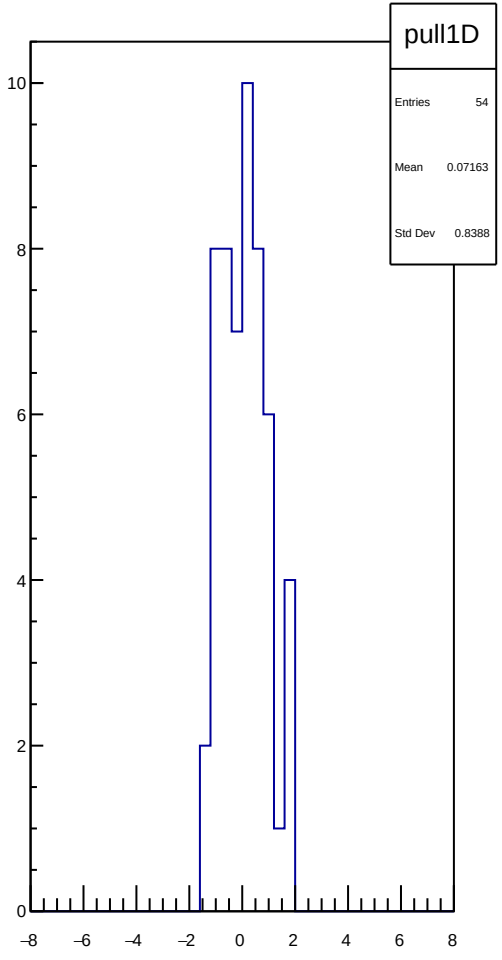

asym_usl_atl2_dd_rms vs run
χ² / ndf 1.153e+04 / 53
p0 4081 ± 3.981
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

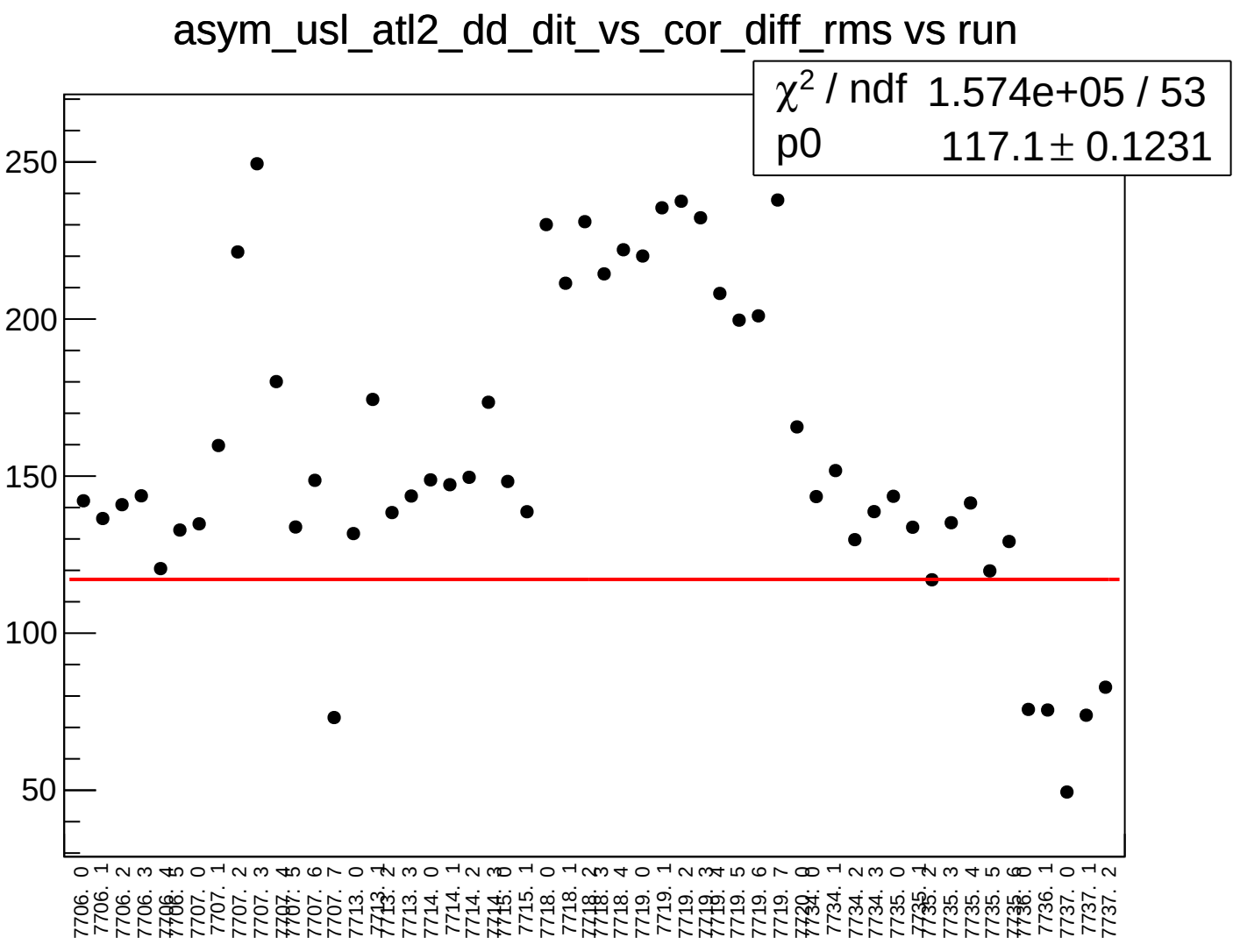

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.91 / 53
p0 −6.51e−14 ± 4.98e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 30.87
Std Dev 0
3
2
1
0
−1
−2

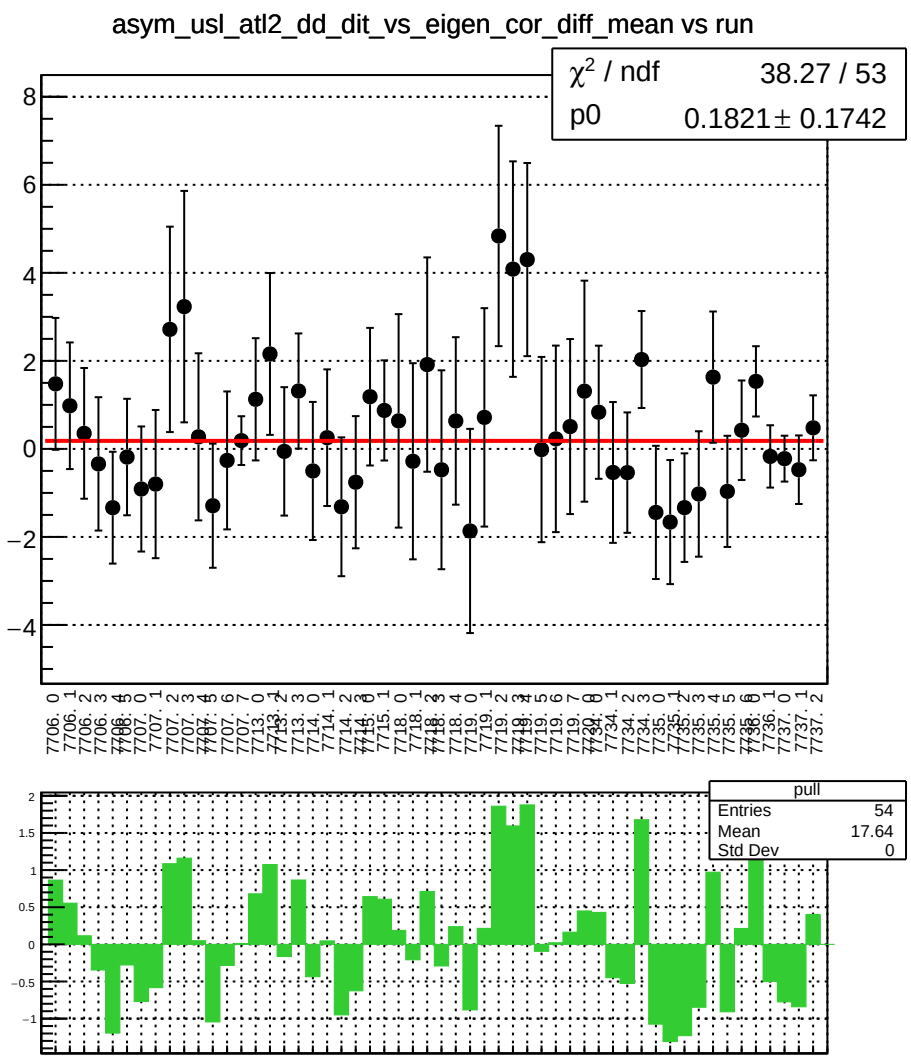

pull1D
Entries 54
Mean 0.1204
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

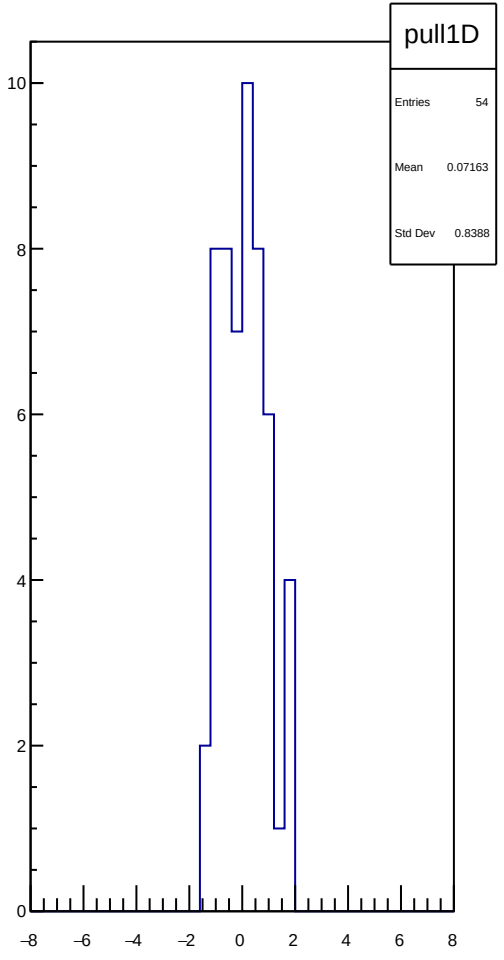

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.769e+05 / 53
p0 2.185e−10 ± 3.521e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

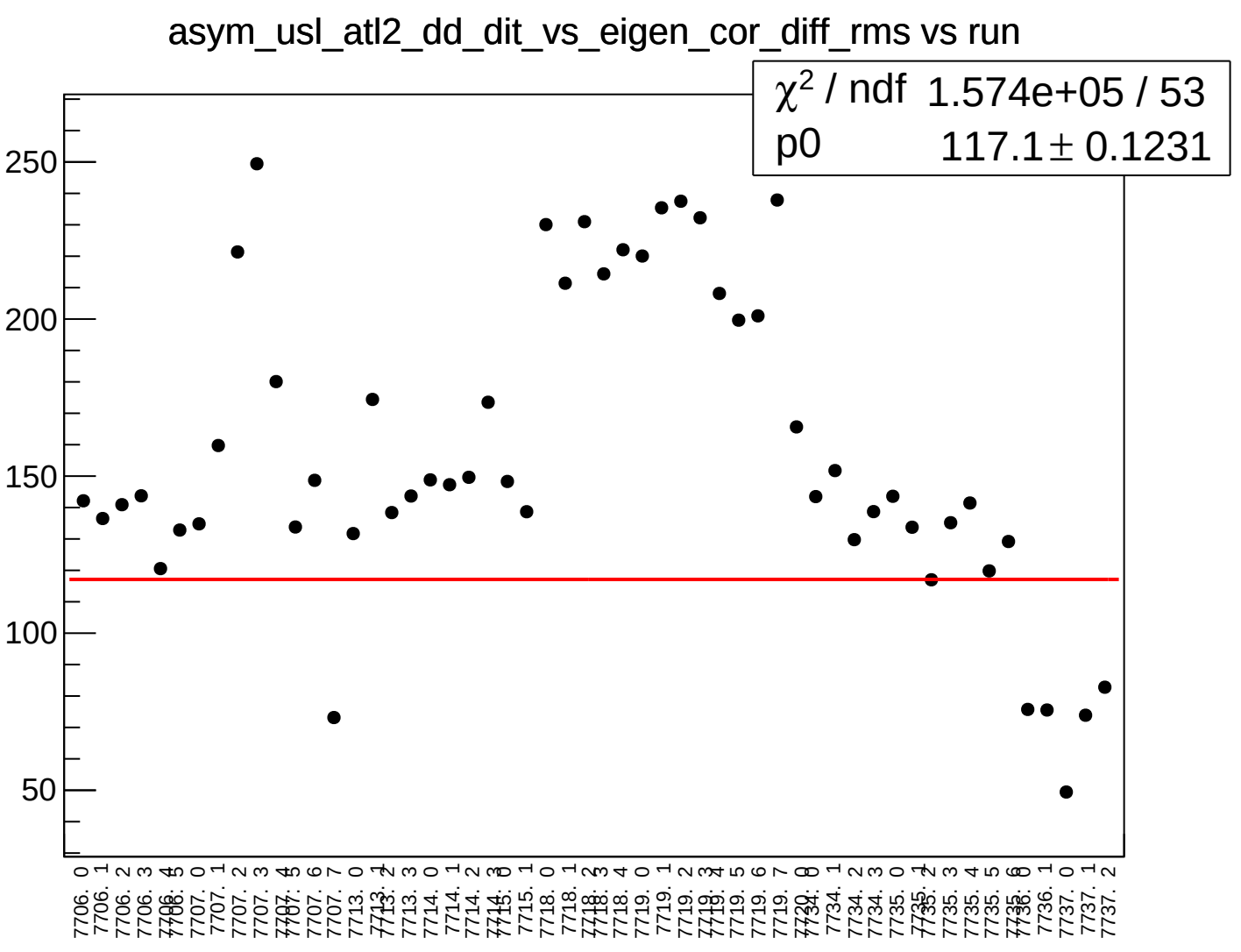

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.27 / 53
p0 0.1821 ± 0.1742
pull
Entries 54
Mean 17.64
Std Dev 0

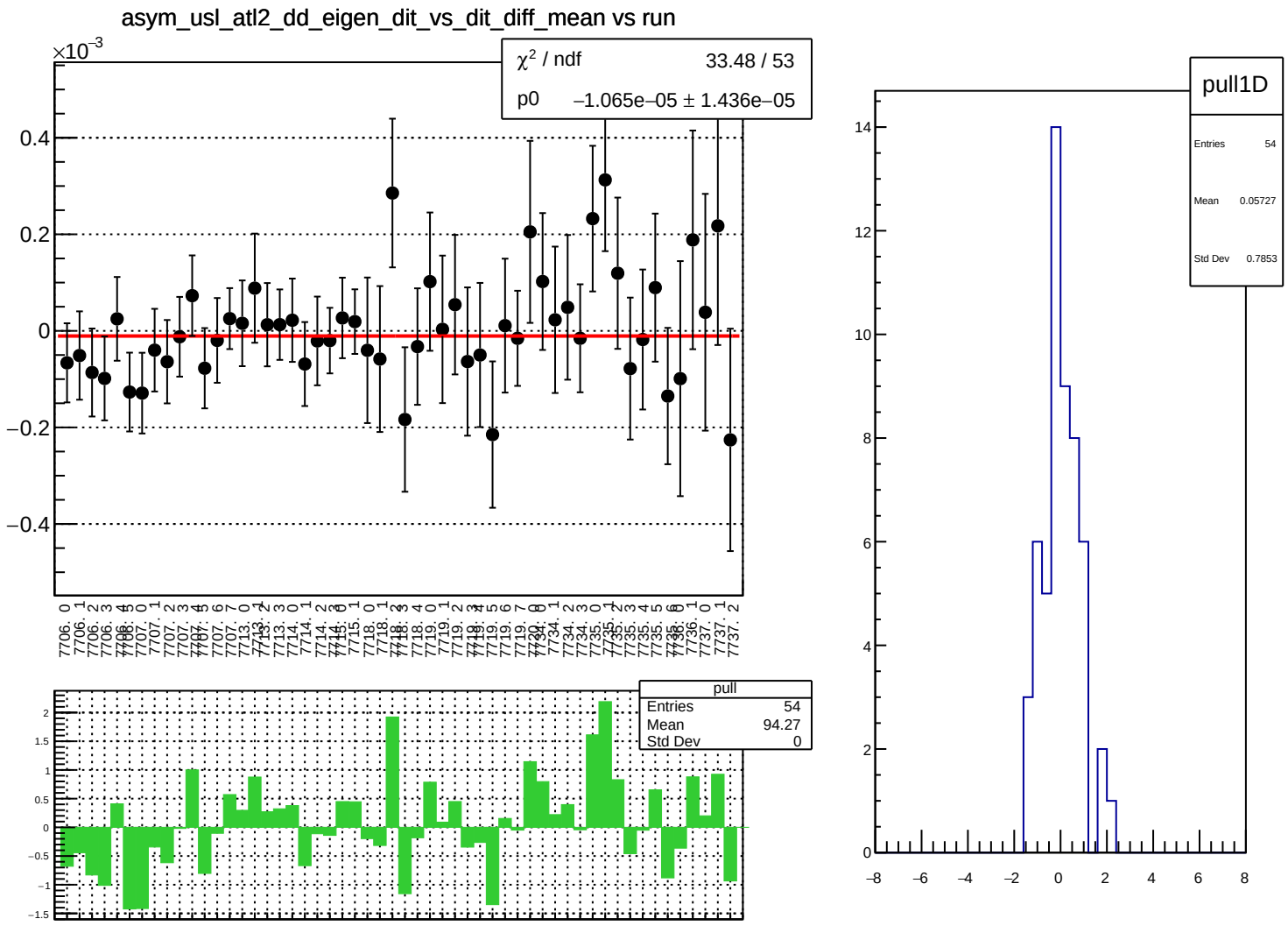

pull1D
Entries 54
Mean 0.07163
Std Dev 0.8388

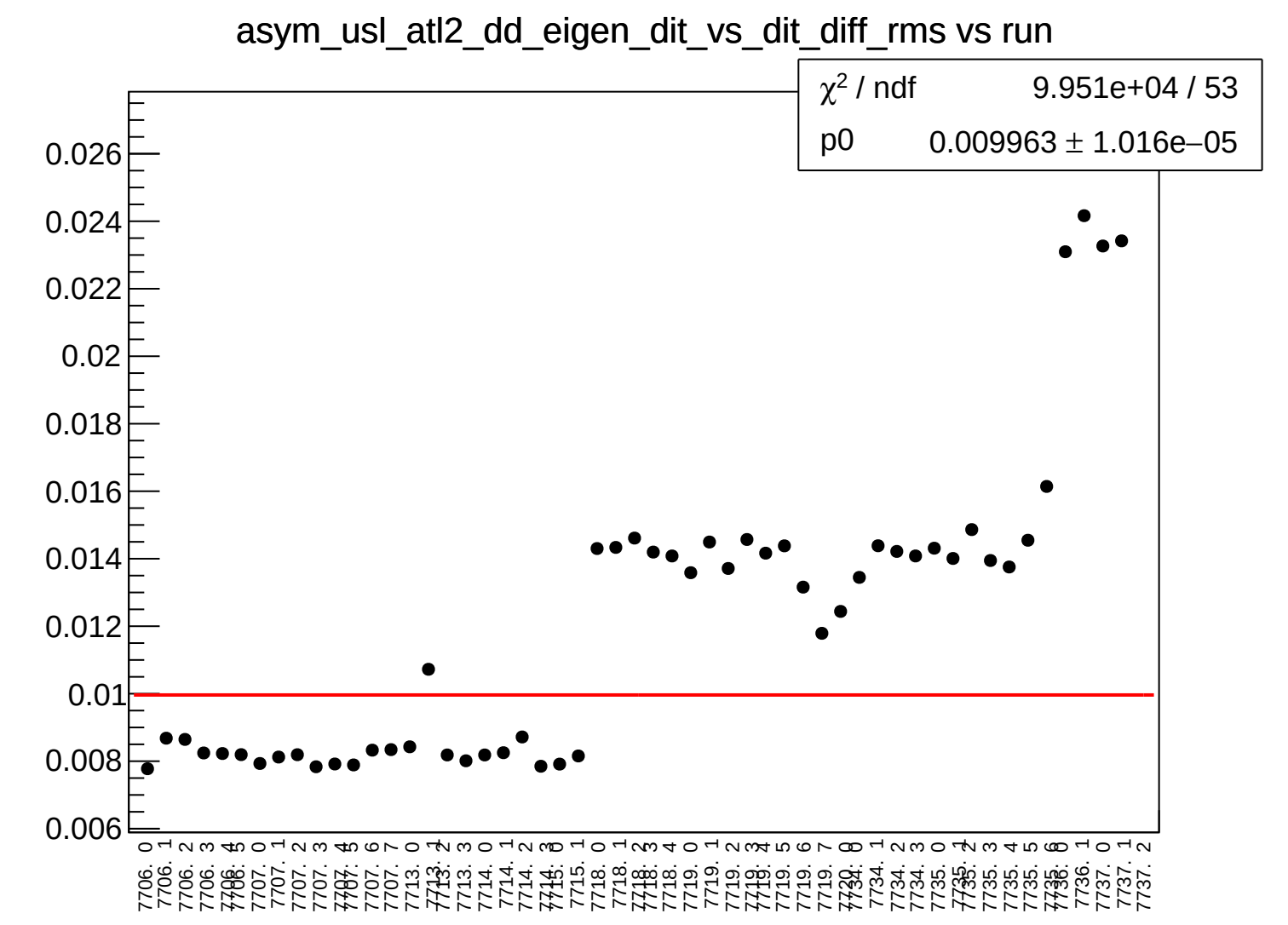

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 53
p0 117.1 ± 0.1231
250
200
150
100
50

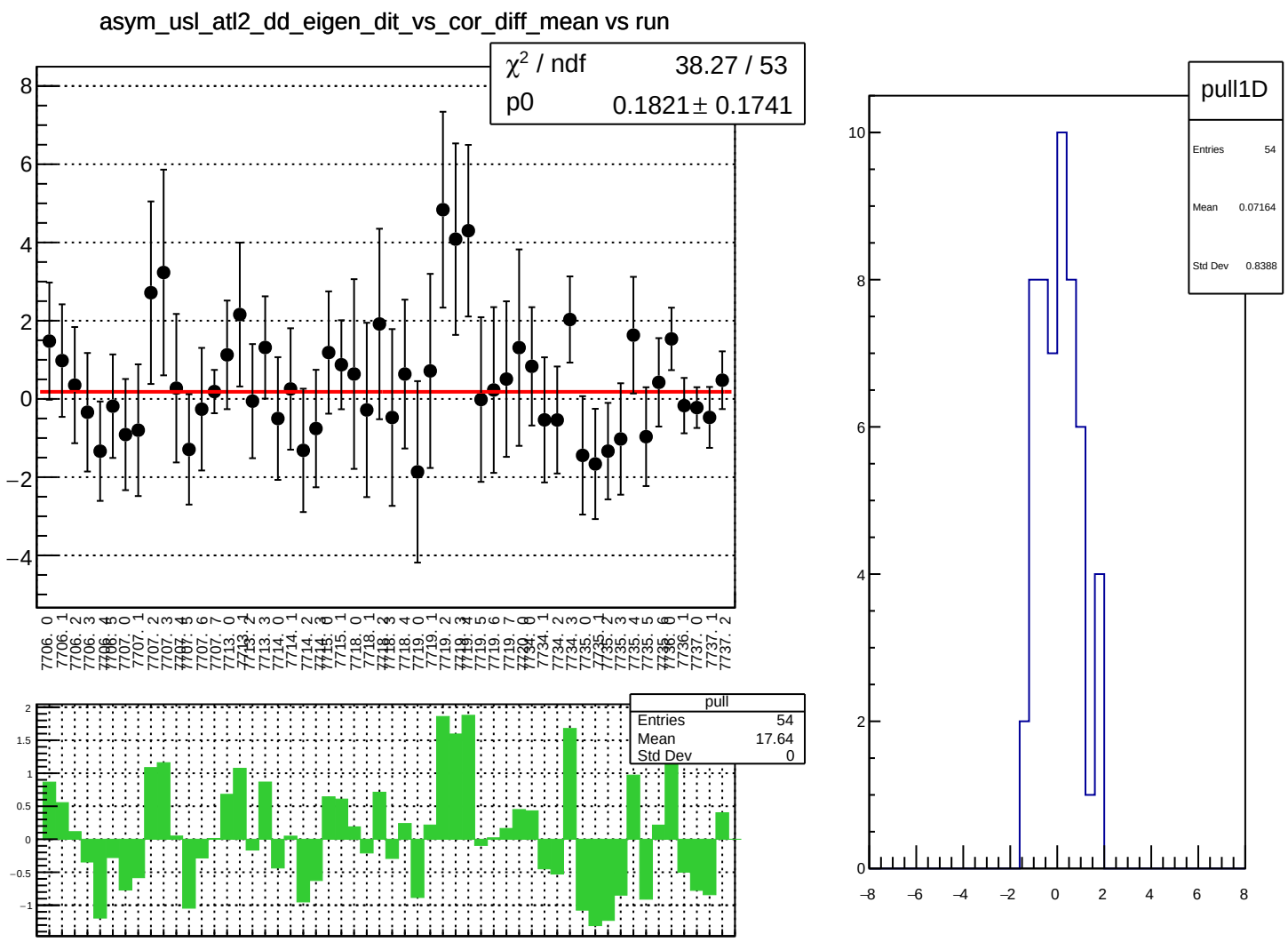

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.27 / 53
p0 0.1821 ± 0.1742
pull
Entries 54
Mean 17.64
Std Dev 0

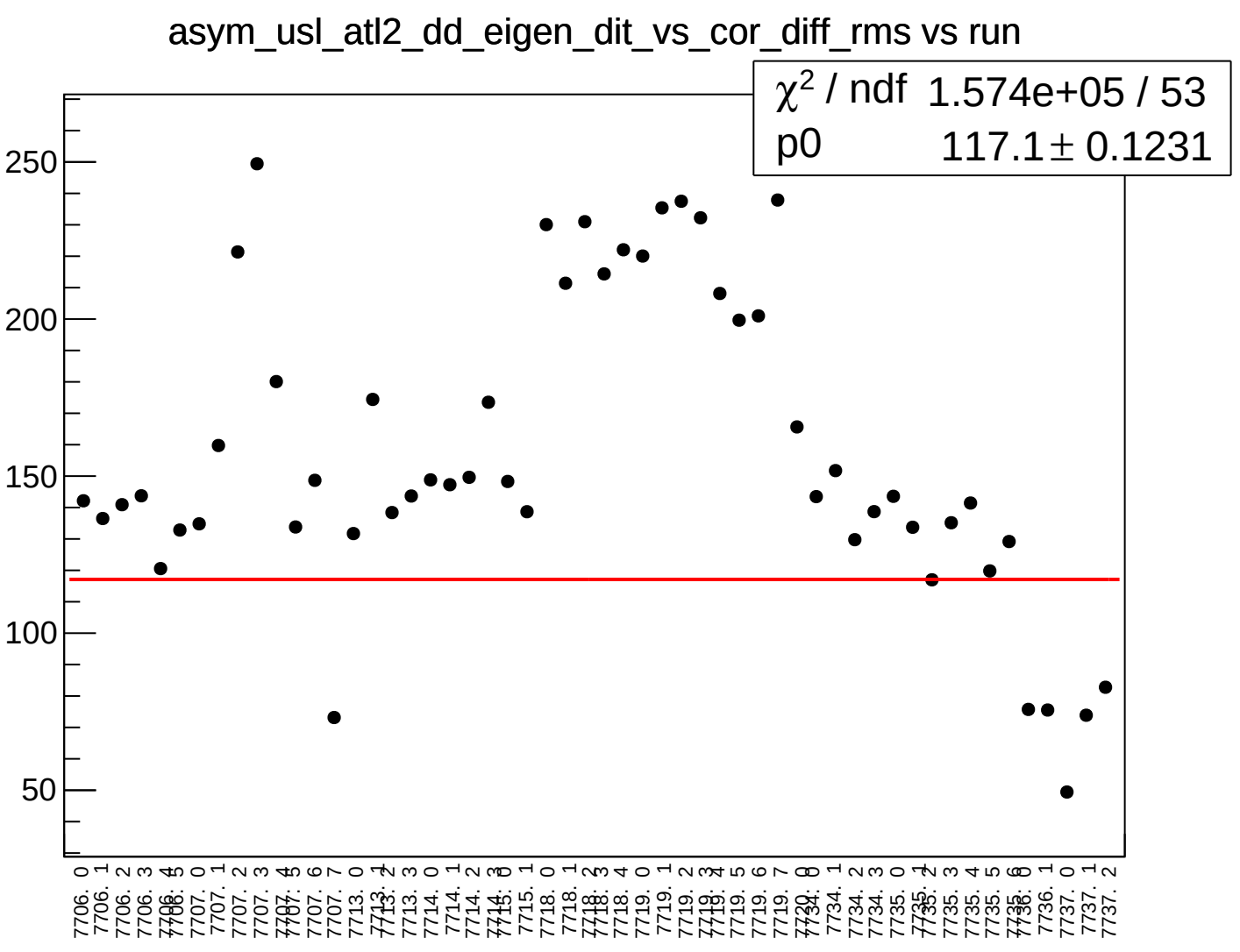

pull1D
Entries 54
Mean 0.07163
Std Dev 0.8388

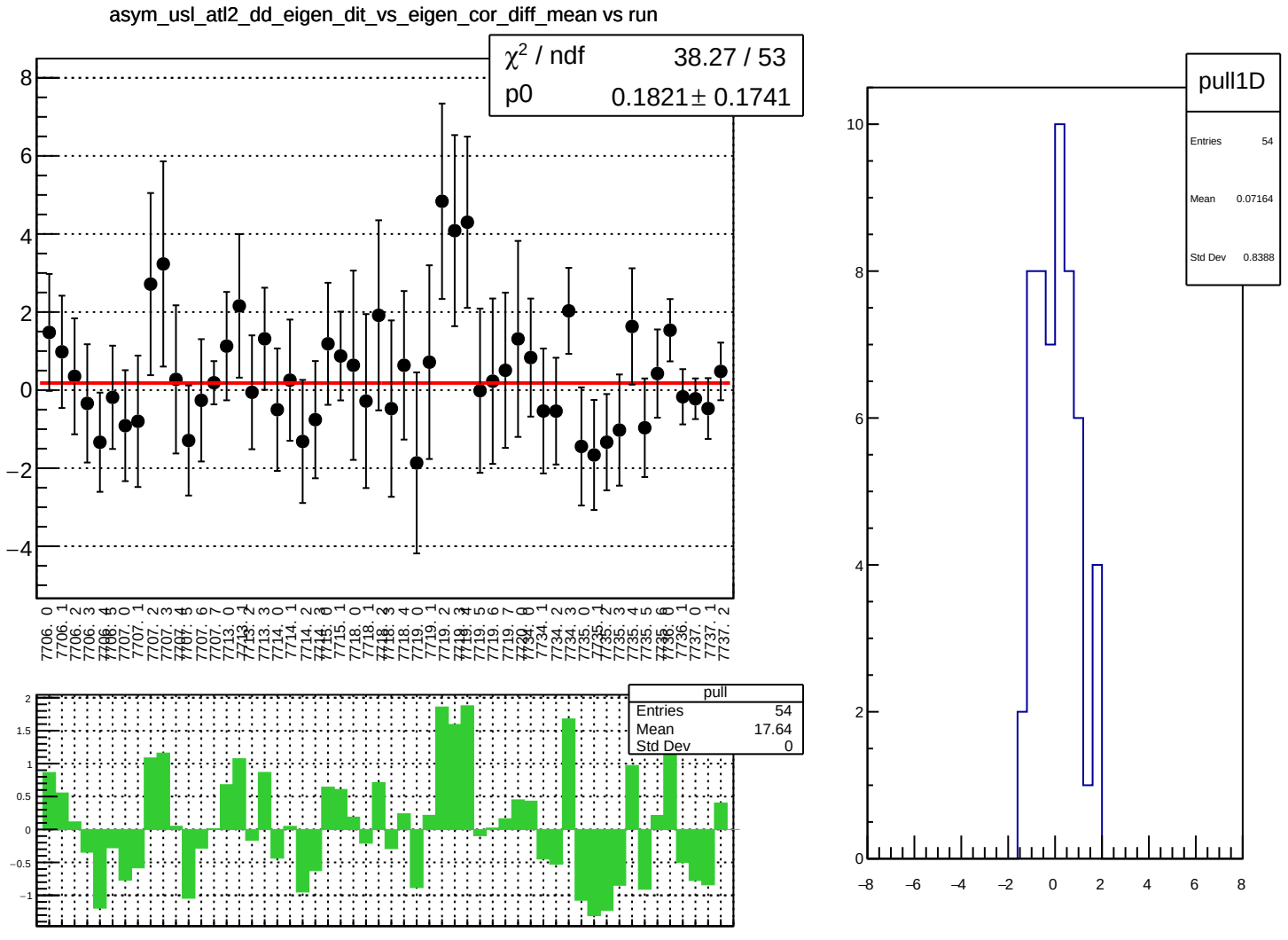

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 53
p0 117.1 ± 0.1231
250
200
150
100
50

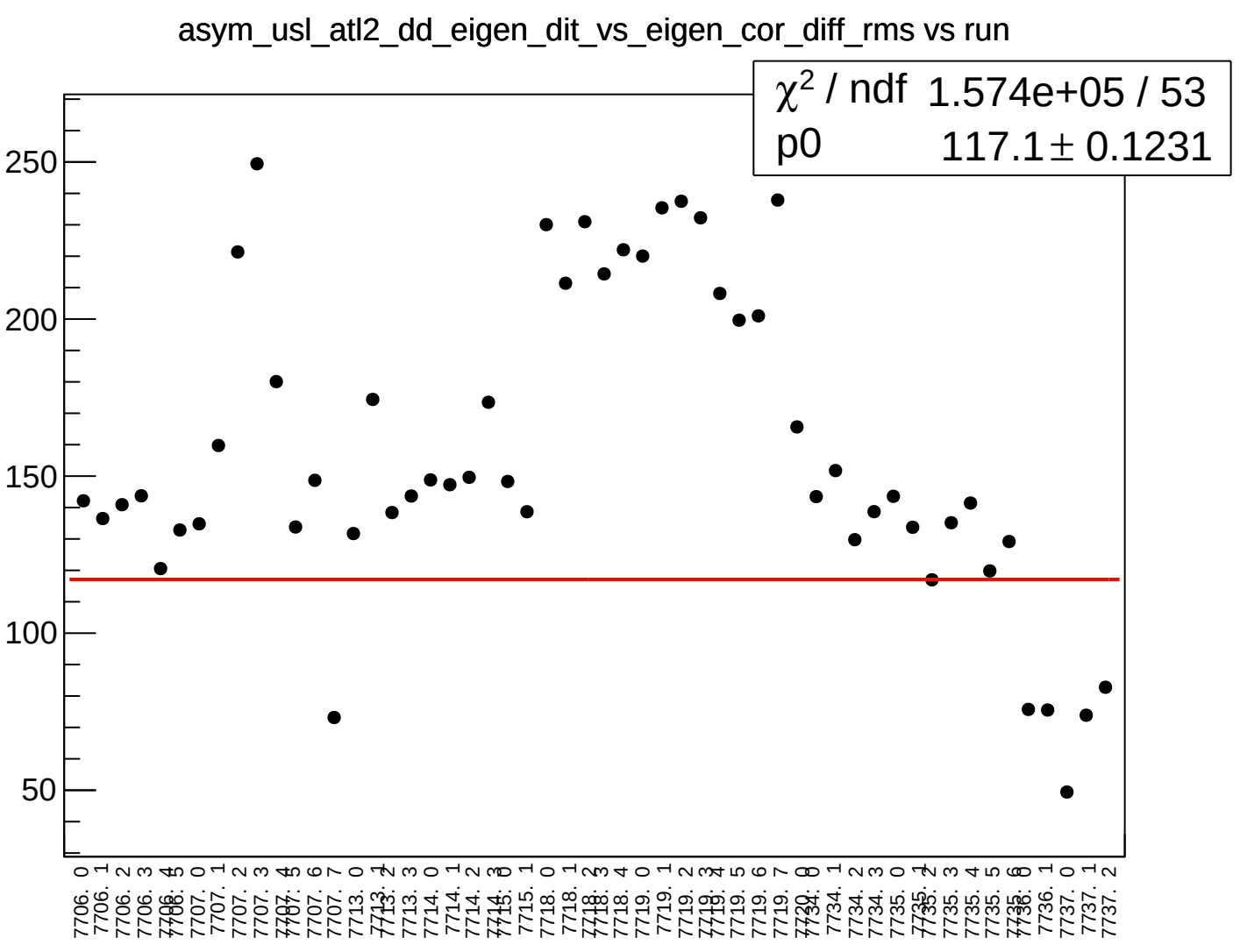

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.48 / 53
p0 −1.065e−05 ± 1.436e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 94.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.05727
Std Dev 0.7853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

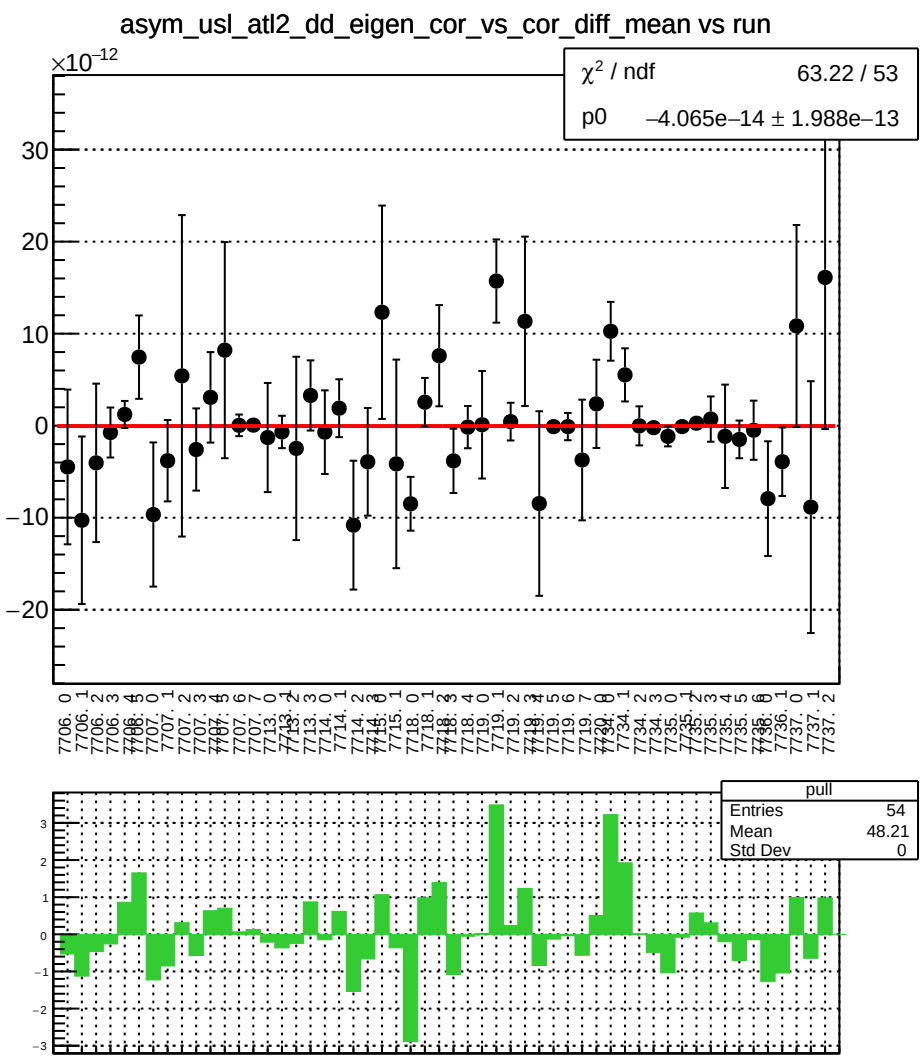

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.951e+04 / 53
p0 0.009963 ± 1.016e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

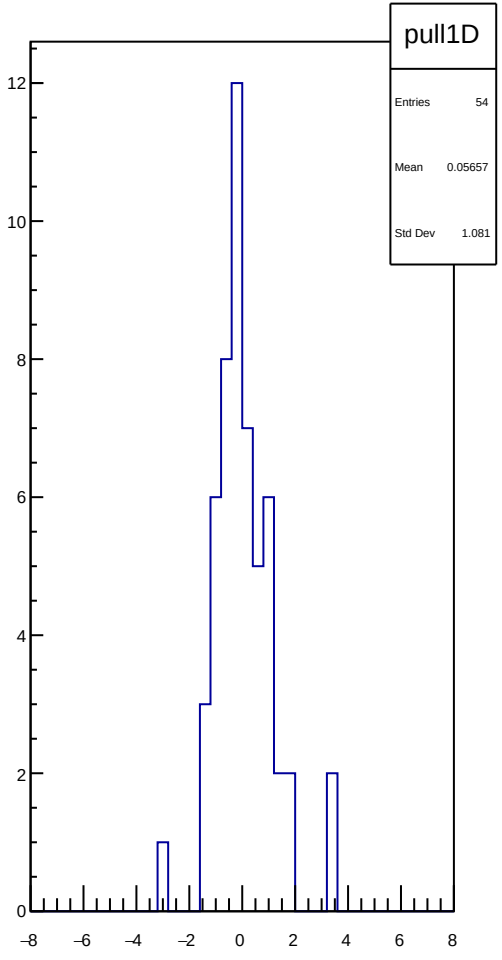

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.27 / 53
p0 0.1821± 0.1741
pull
Entries 54
Mean 17.64
Std Dev 0
pull1D
Entries 54
Mean 0.07164
Std Dev 0.8388

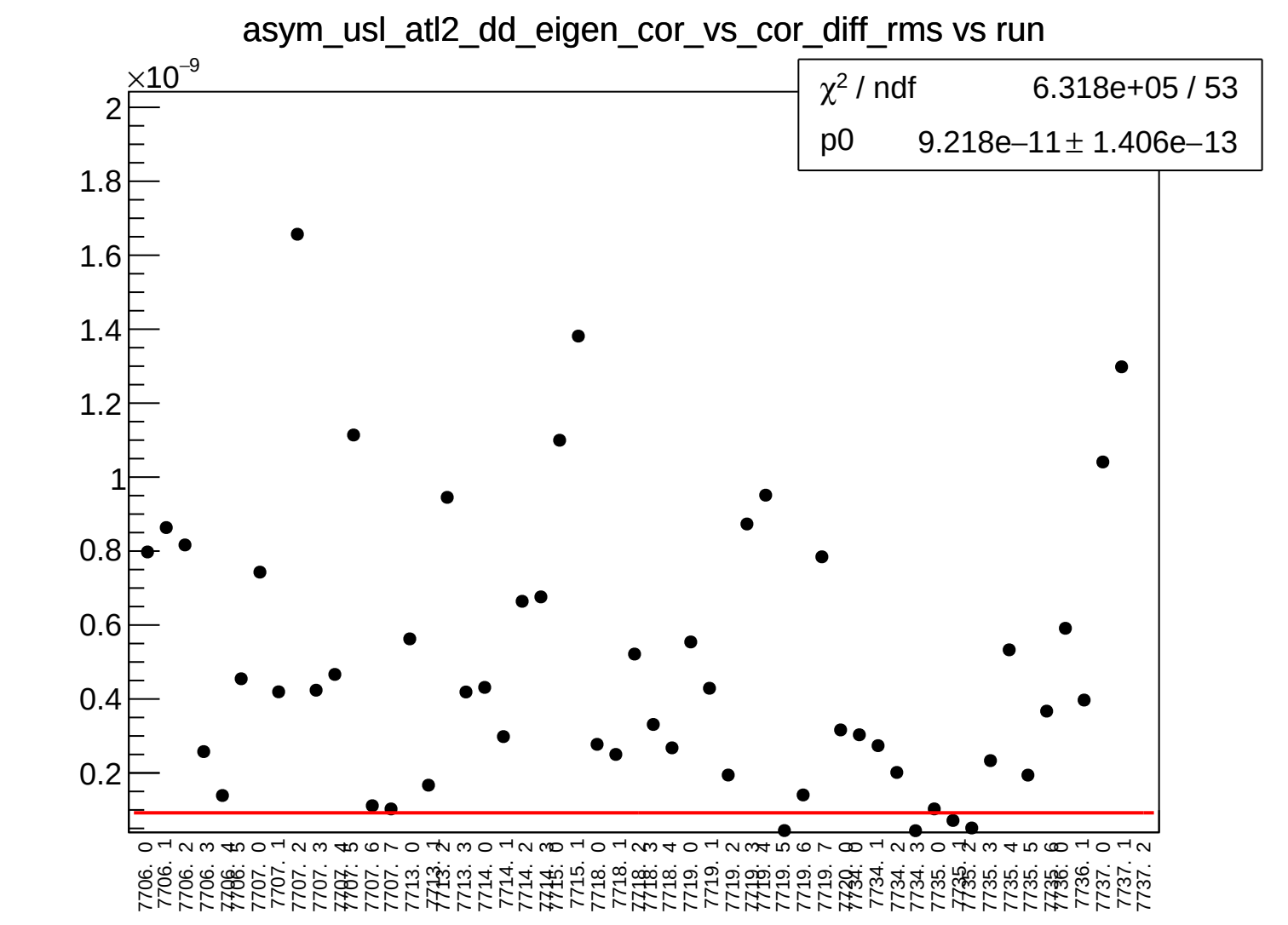

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 53
p0 117.1 ± 0.1231
250
200
150
100
50

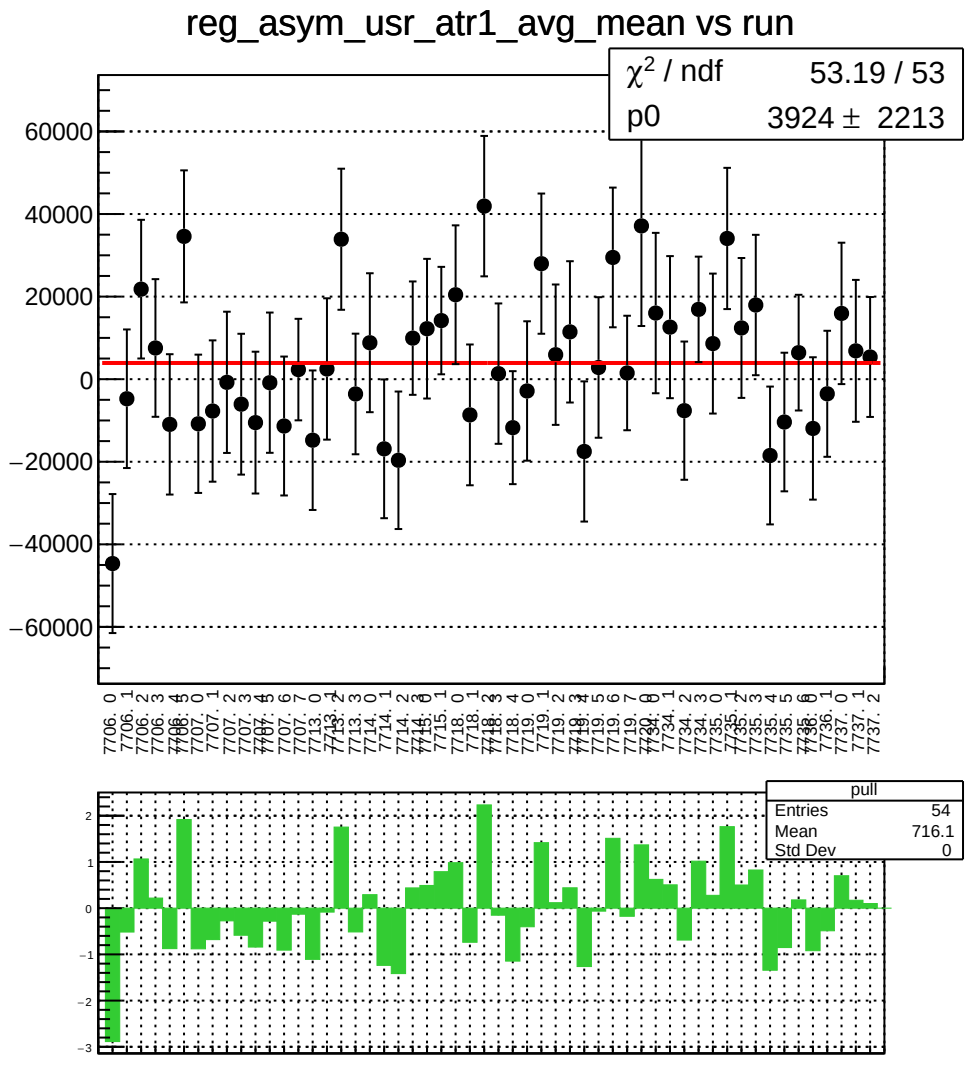

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.27 / 53
p0 0.1821± 0.1741
pull
Entries 54
Mean 17.64
Std Dev 0
pull1D
Entries 54
Mean 0.07164
Std Dev 0.8388

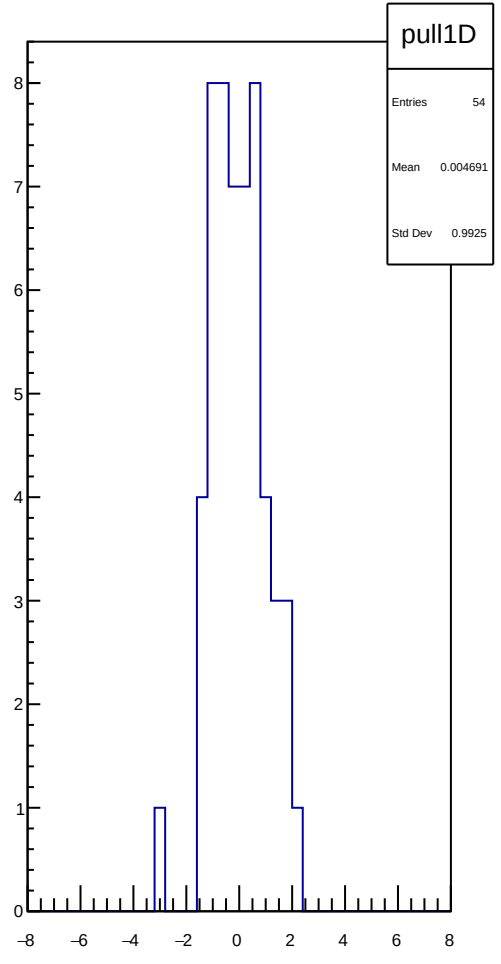

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 53
p0 117.1 ± 0.1231
250
200
150
100
50

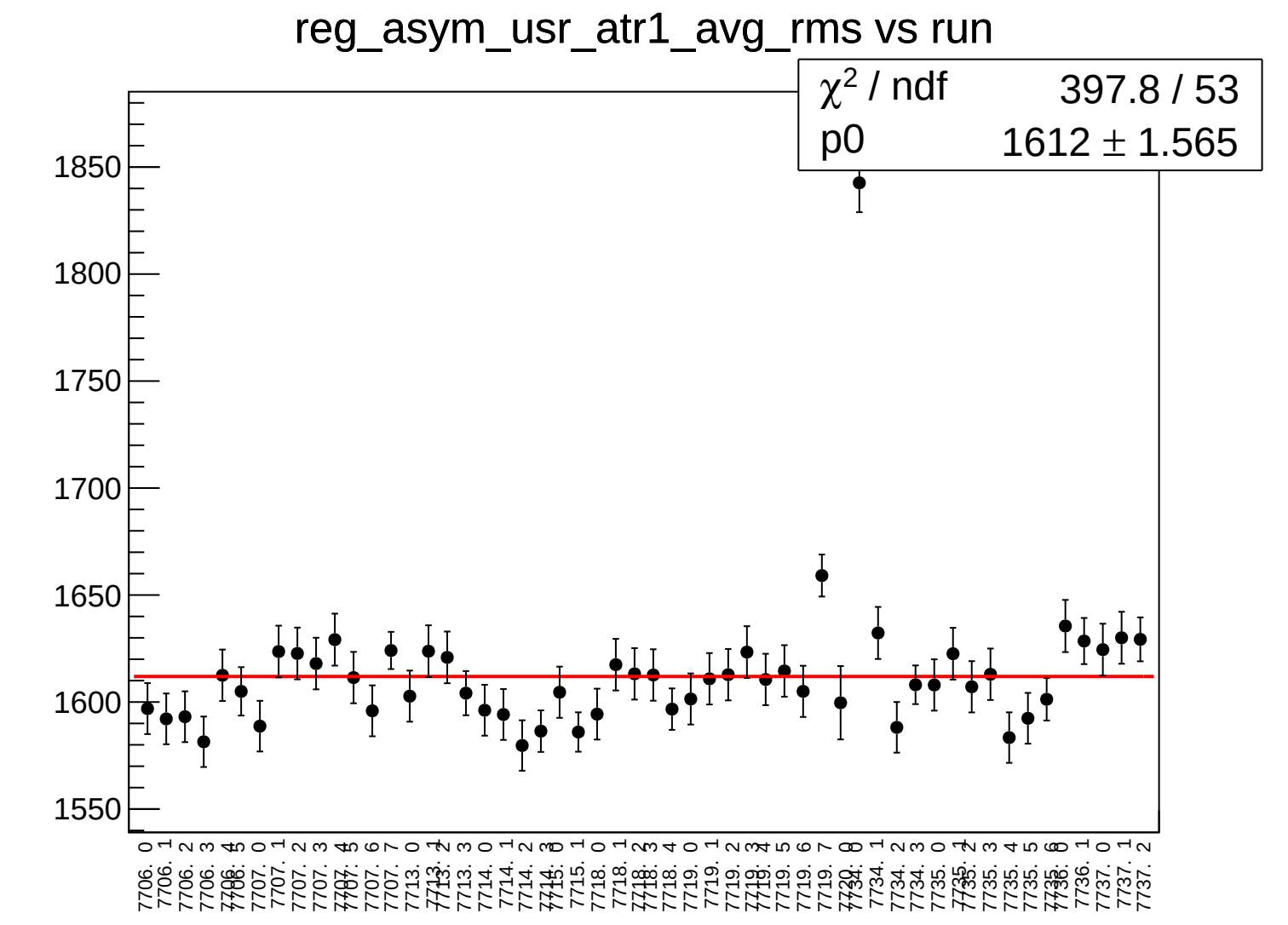

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.22 / 53
p0 −4.065e−14 ± 1.988e−13
30
20
10
0
−10
−20
pull
Entries 54
Mean 48.21
Std Dev 0
3
2
1
0
−1
−2
−3

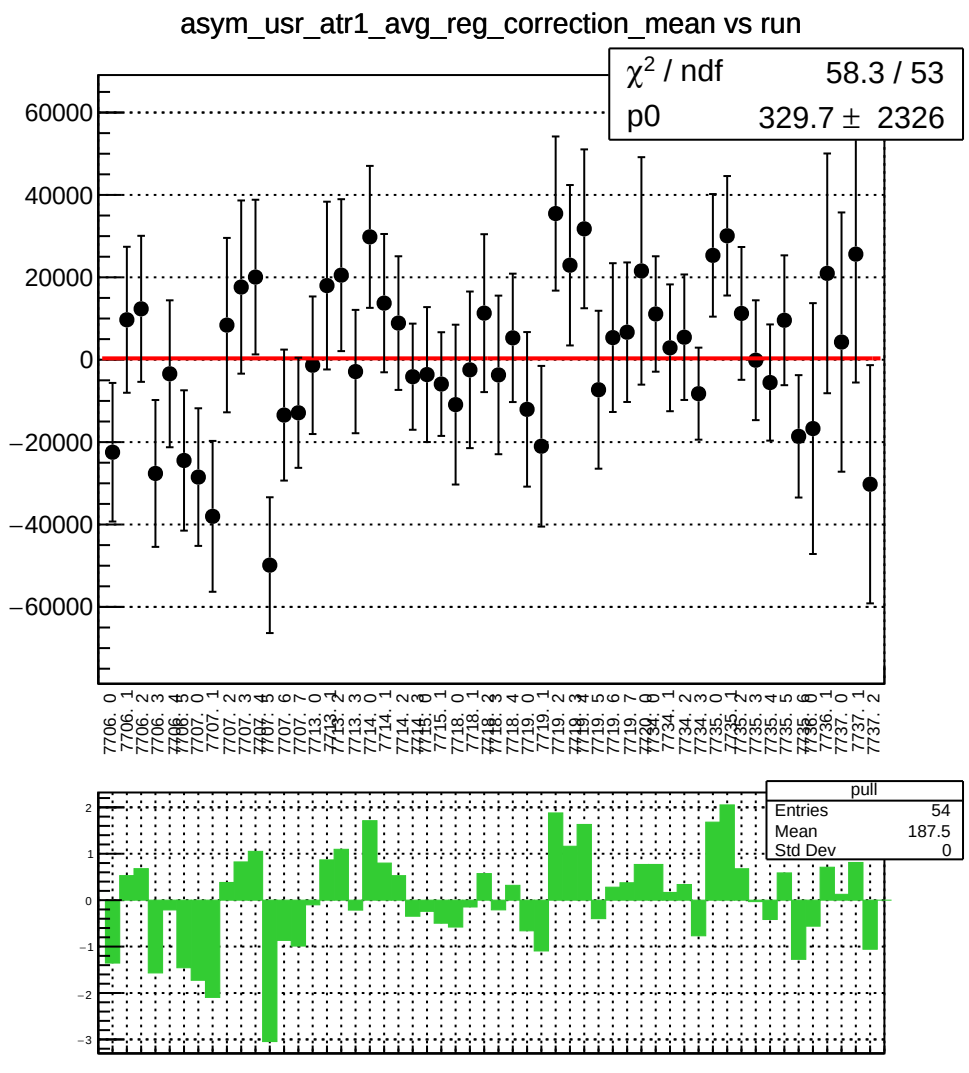

pull1D
Entries 54
Mean 0.05657
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

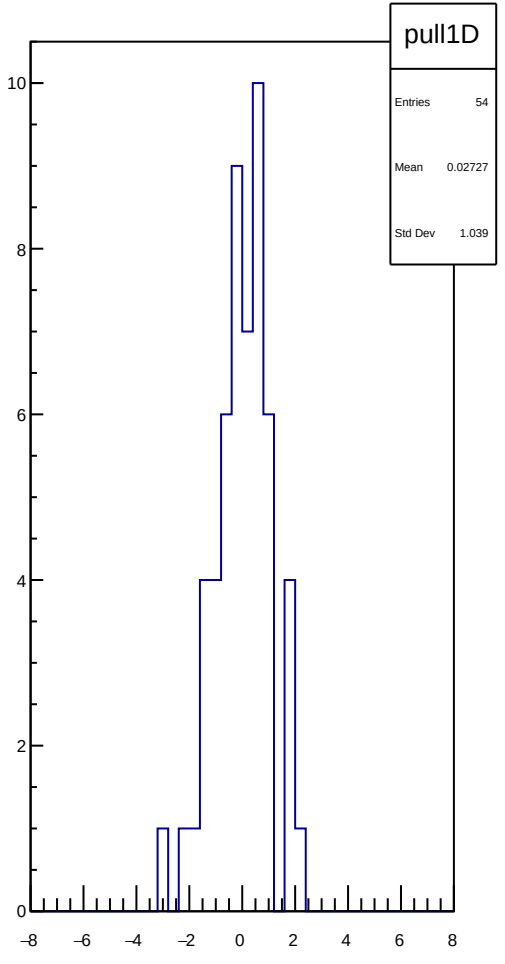

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.318e+05 / 53
p0 9.218e−11 ± 1.406e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

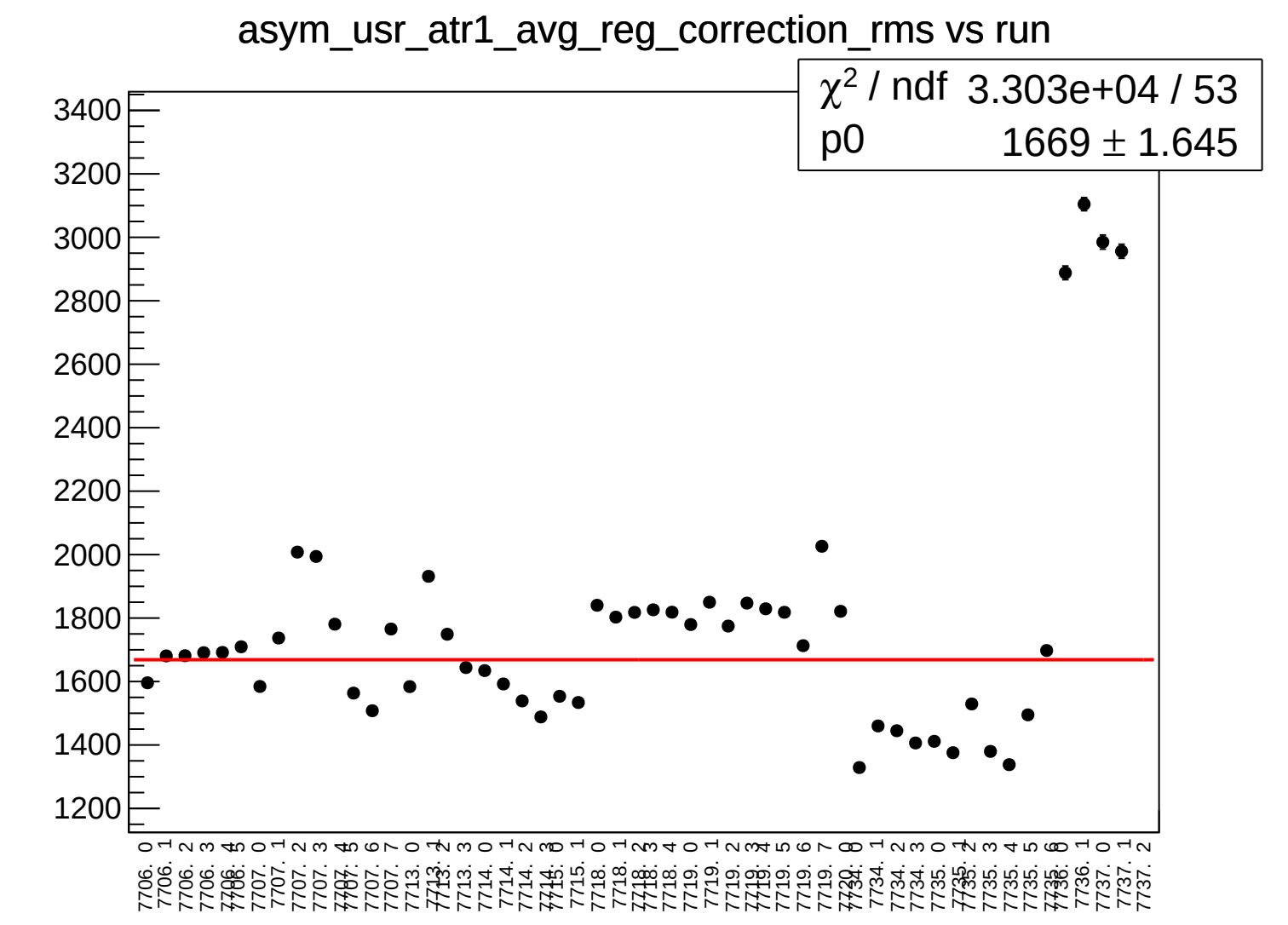

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 53.19 / 53
p0 3924 ± 2213
pull
Entries 54
Mean 716.1
Std Dev 0

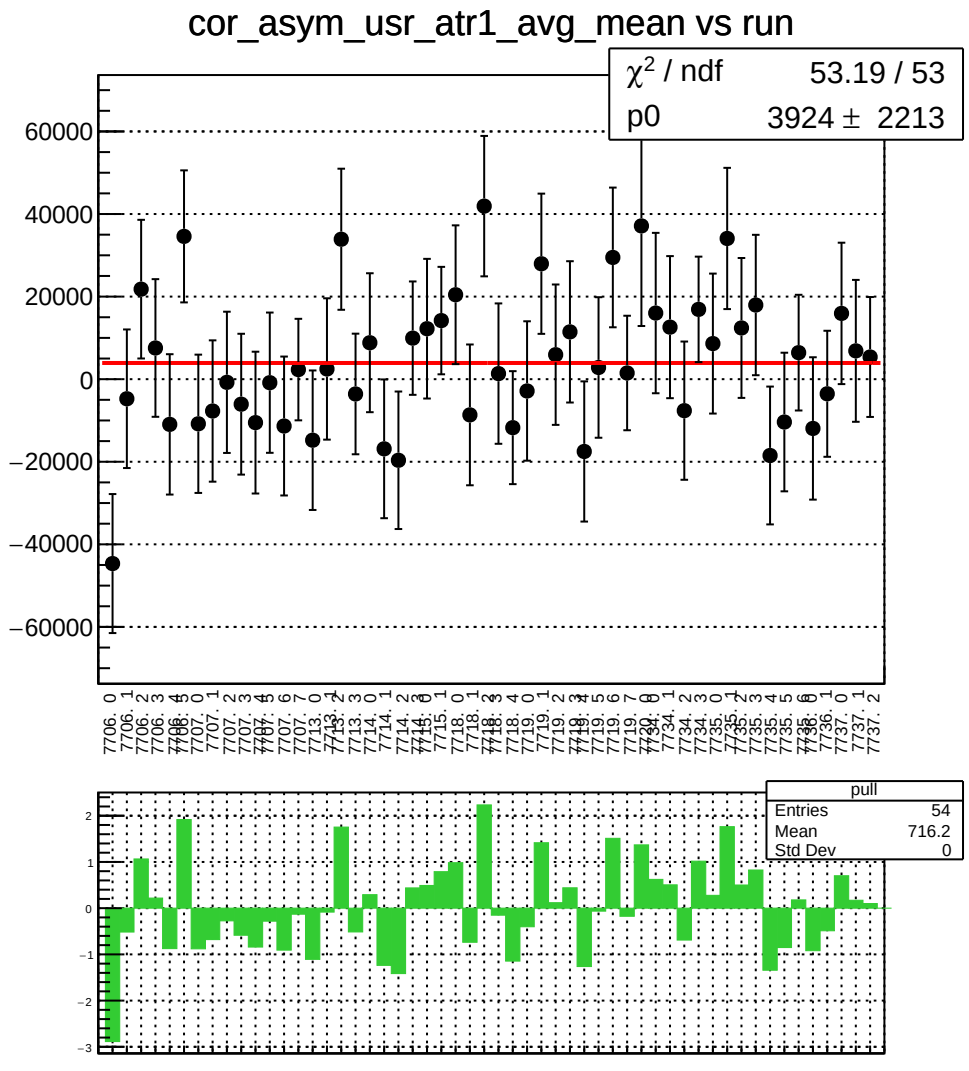

pull1D
Entries 54
Mean 0.004691
Std Dev 0.9925

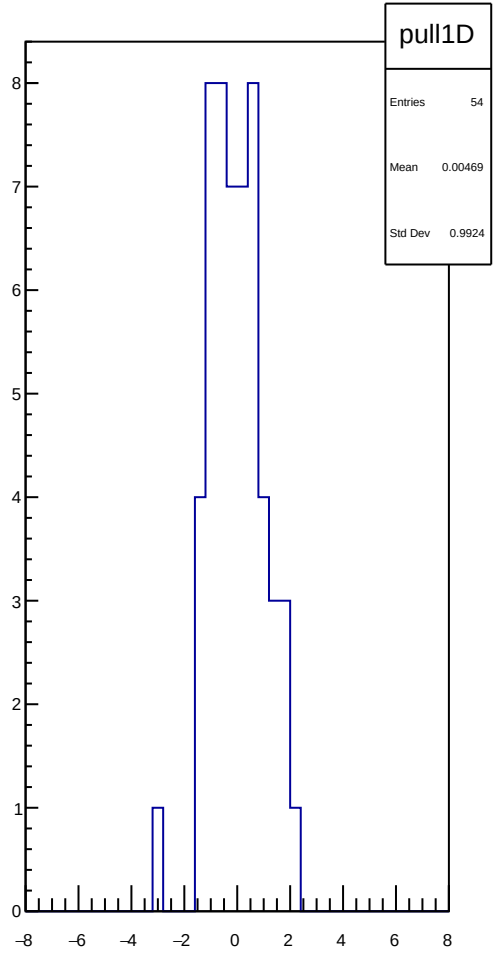

reg_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 397.8 / 53
p0 1612 ± 1.565
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

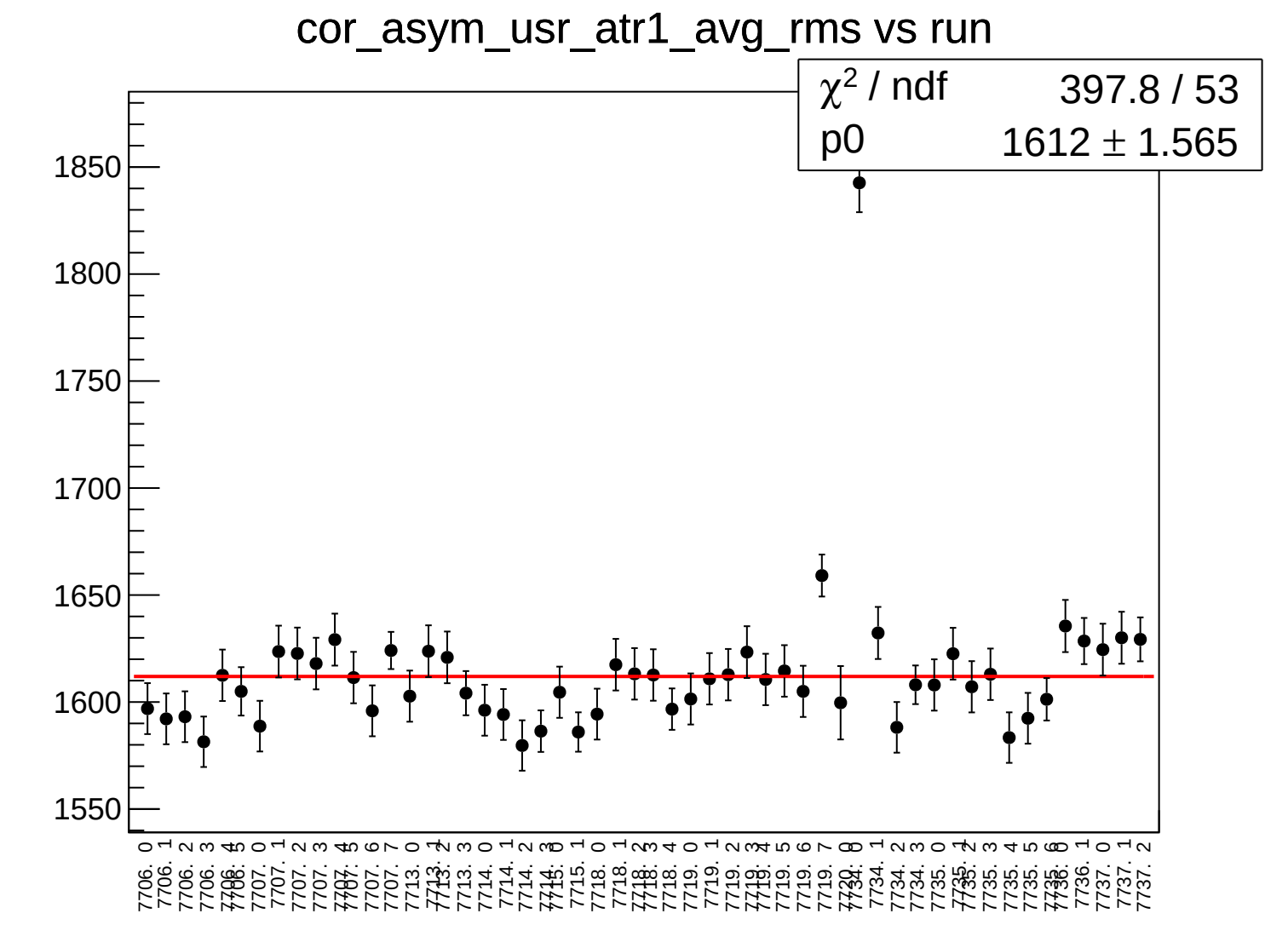

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 58.3 / 53
p0 329.7 ± 2326
pull
Entries 54
Mean 187.5
Std Dev 0

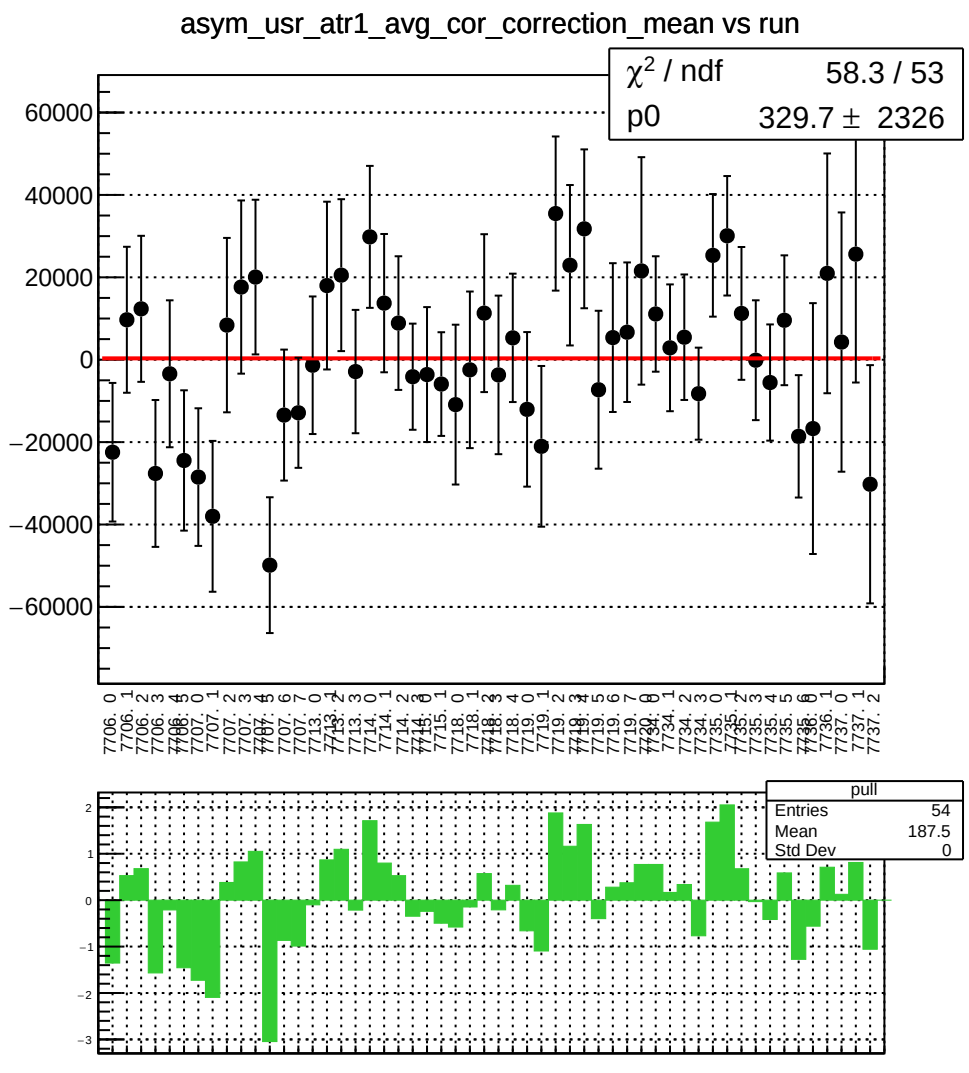

pull1D
Entries 54
Mean 0.02727
Std Dev 1.039

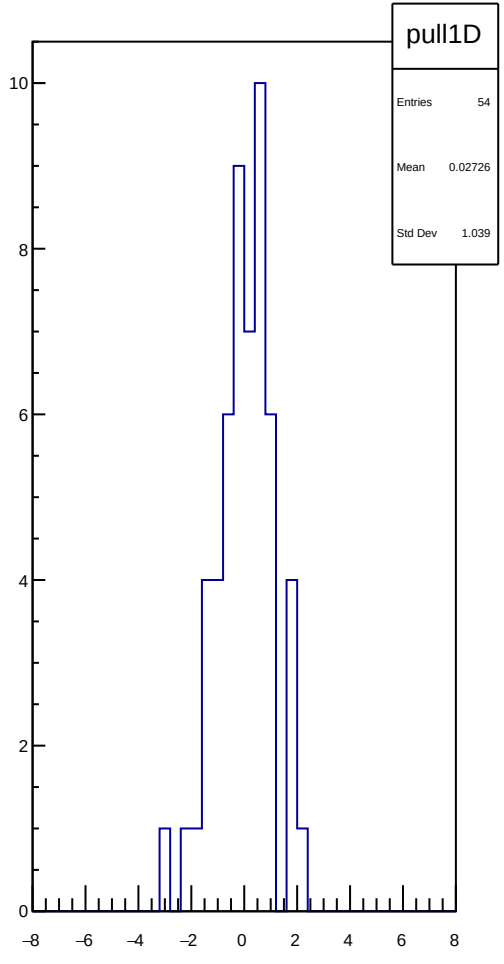

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3.303e+04 / 53
p0 1669 ± 1.645
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

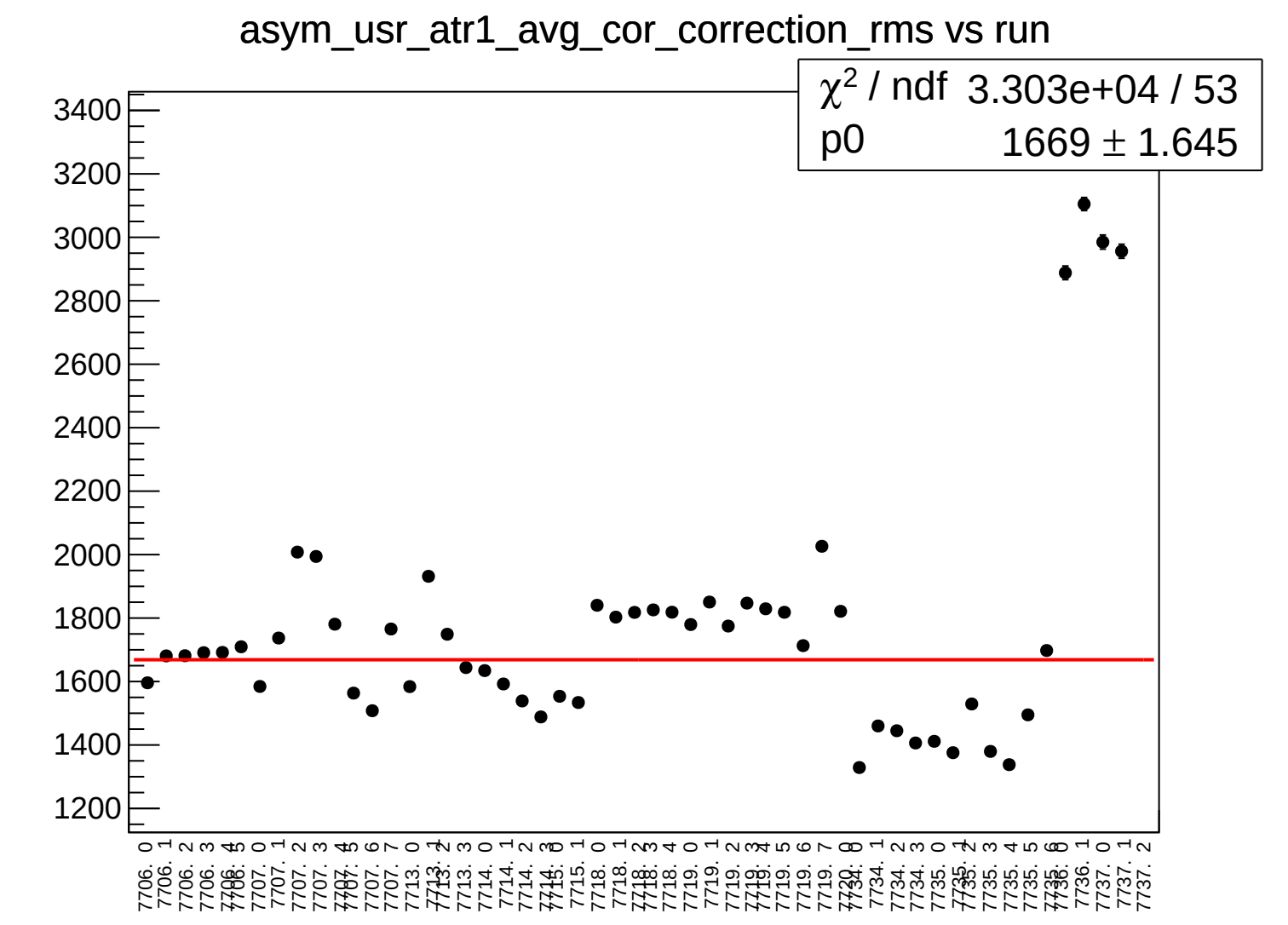

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 53.19 / 53
p0 3924 ± 2213
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 716.2
Std Dev 0
2
1
0
−1
−2
−3

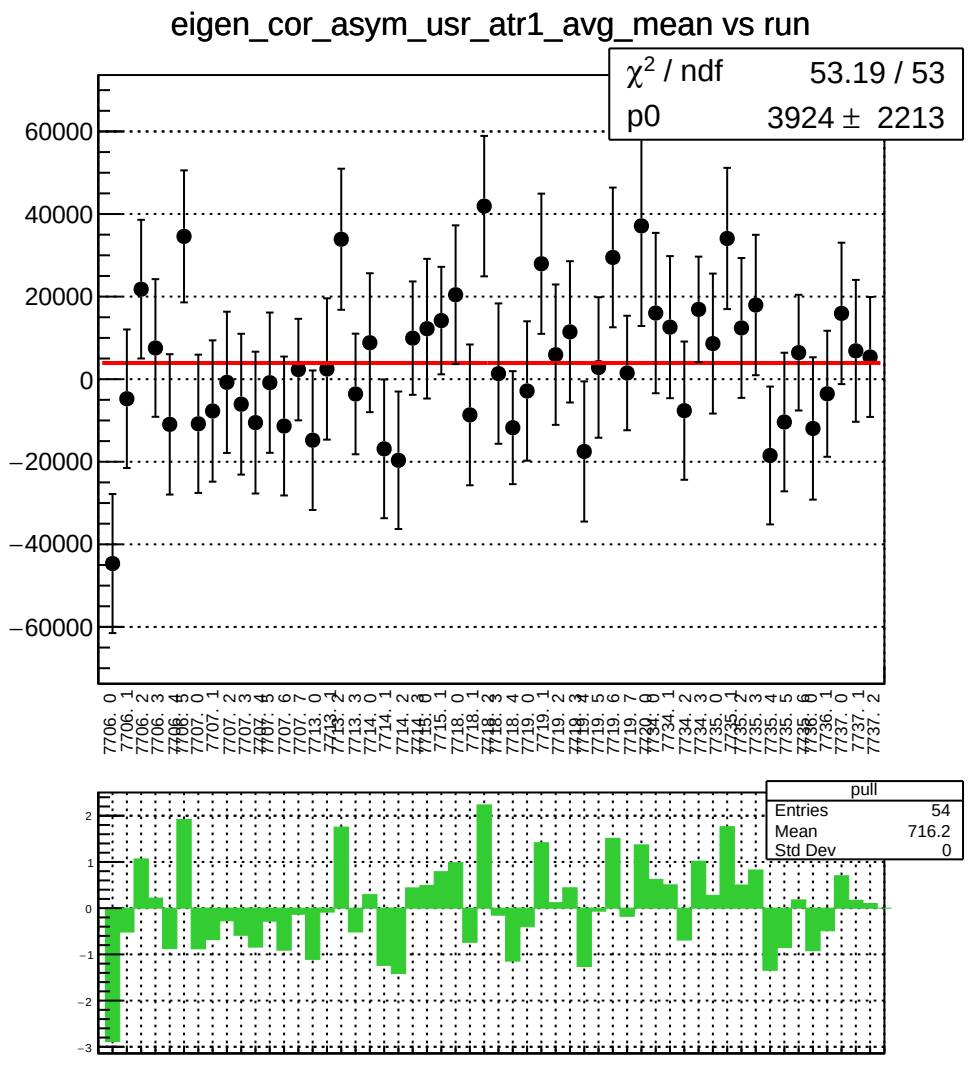

pull1D
Entries 54
Mean 0.00469
Std Dev 0.9924
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

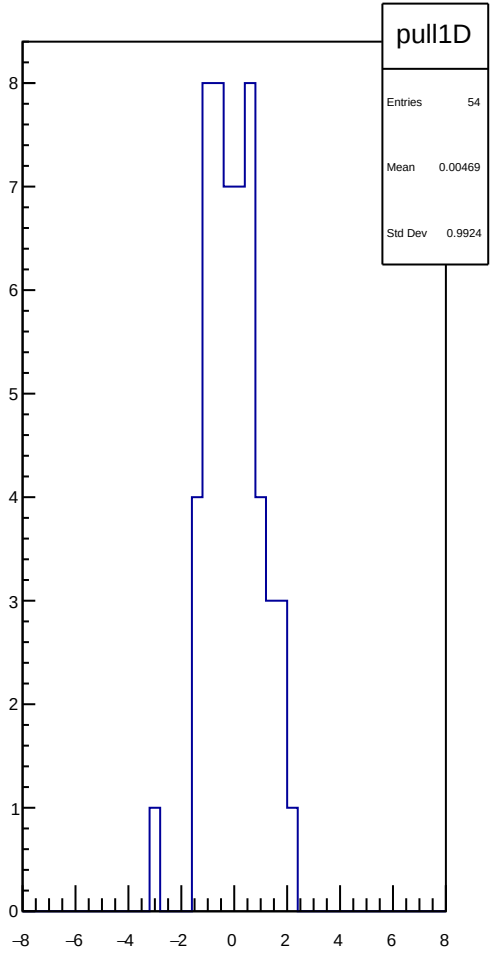

cor_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 397.8 / 53
p0 1612 ± 1.565
1850
1800
1750
1700
1650
1600
1550

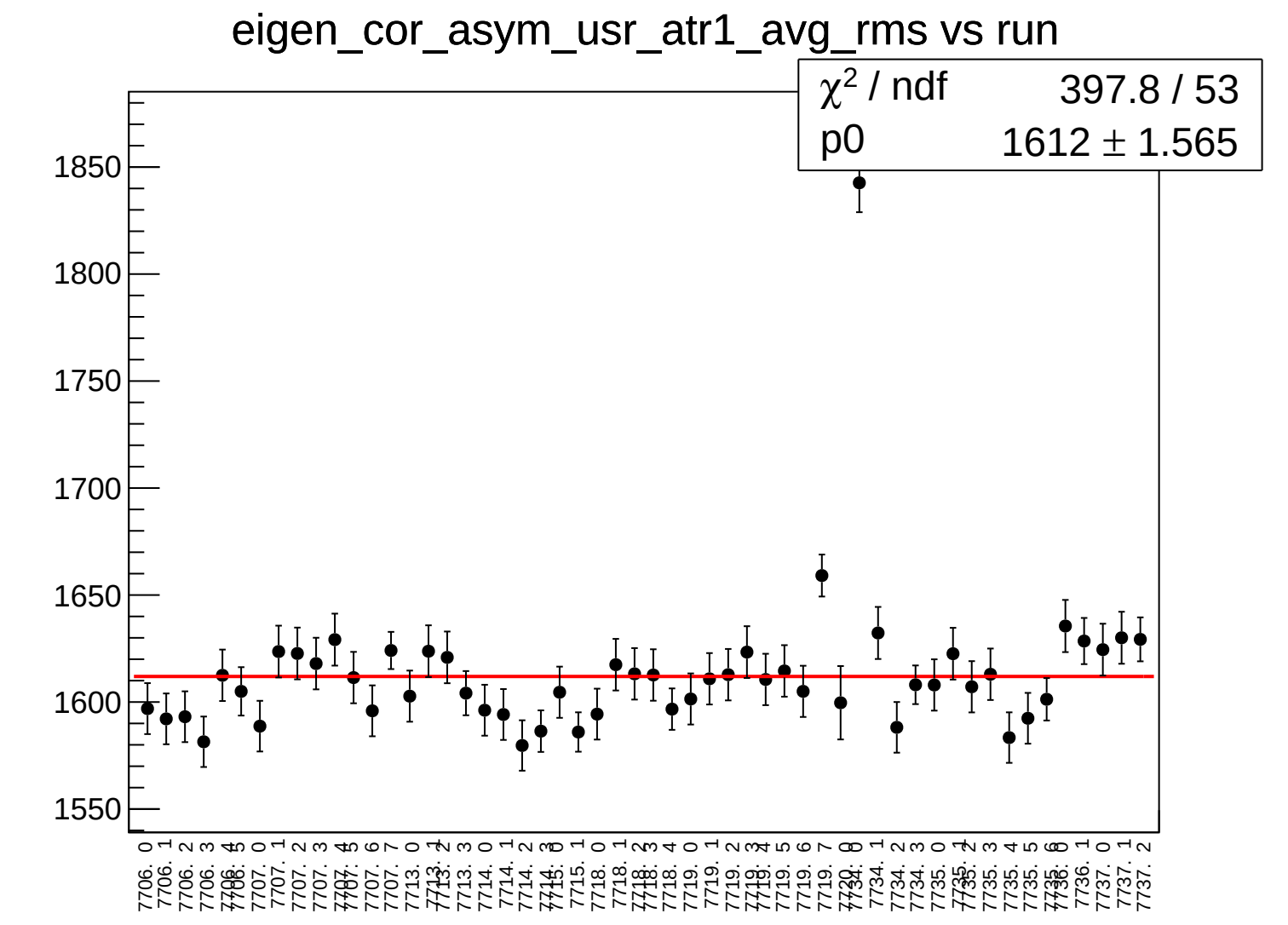

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 58.3 / 53
p0 329.7 ± 2326
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 187.5
Std Dev 0
2
1
0
−1
−2
−3

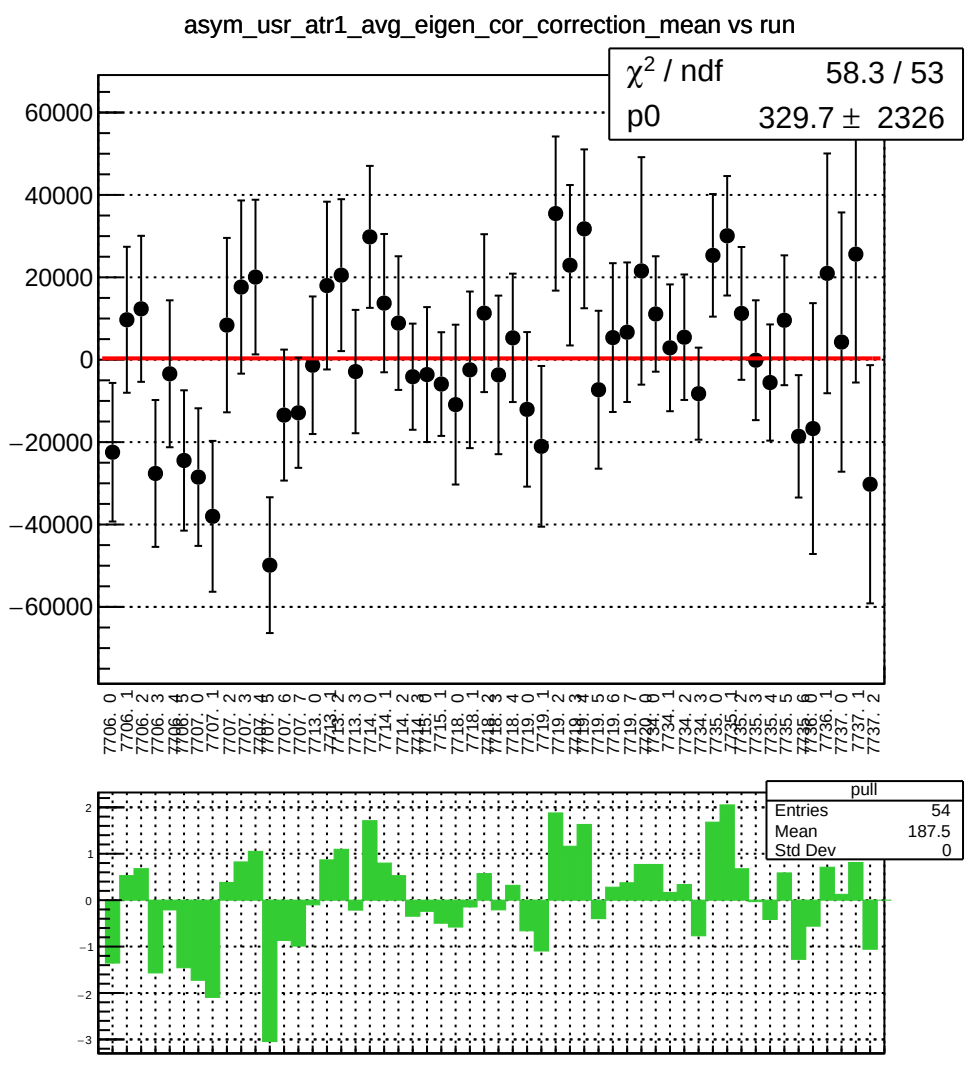

pull1D
Entries 54
Mean 0.02726
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

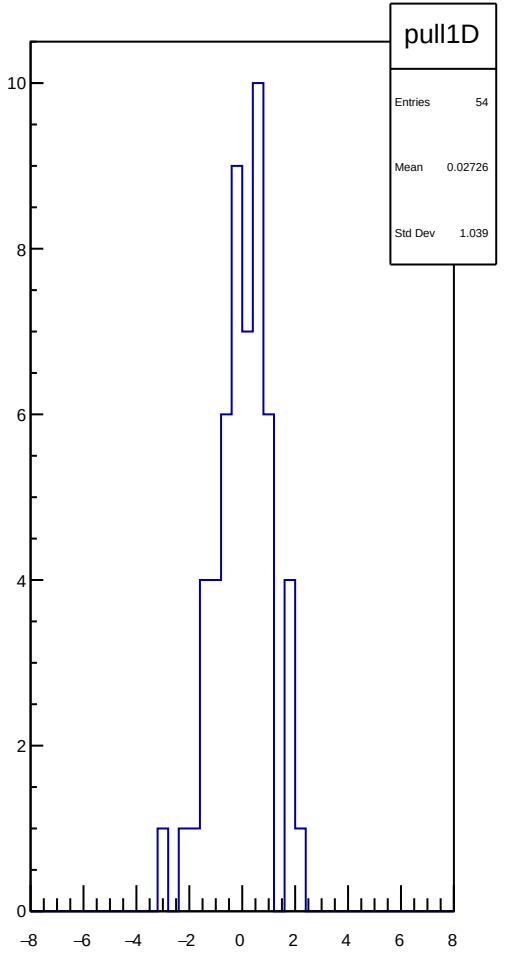

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3.303e+04 / 53
p0 1669 ± 1.645
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

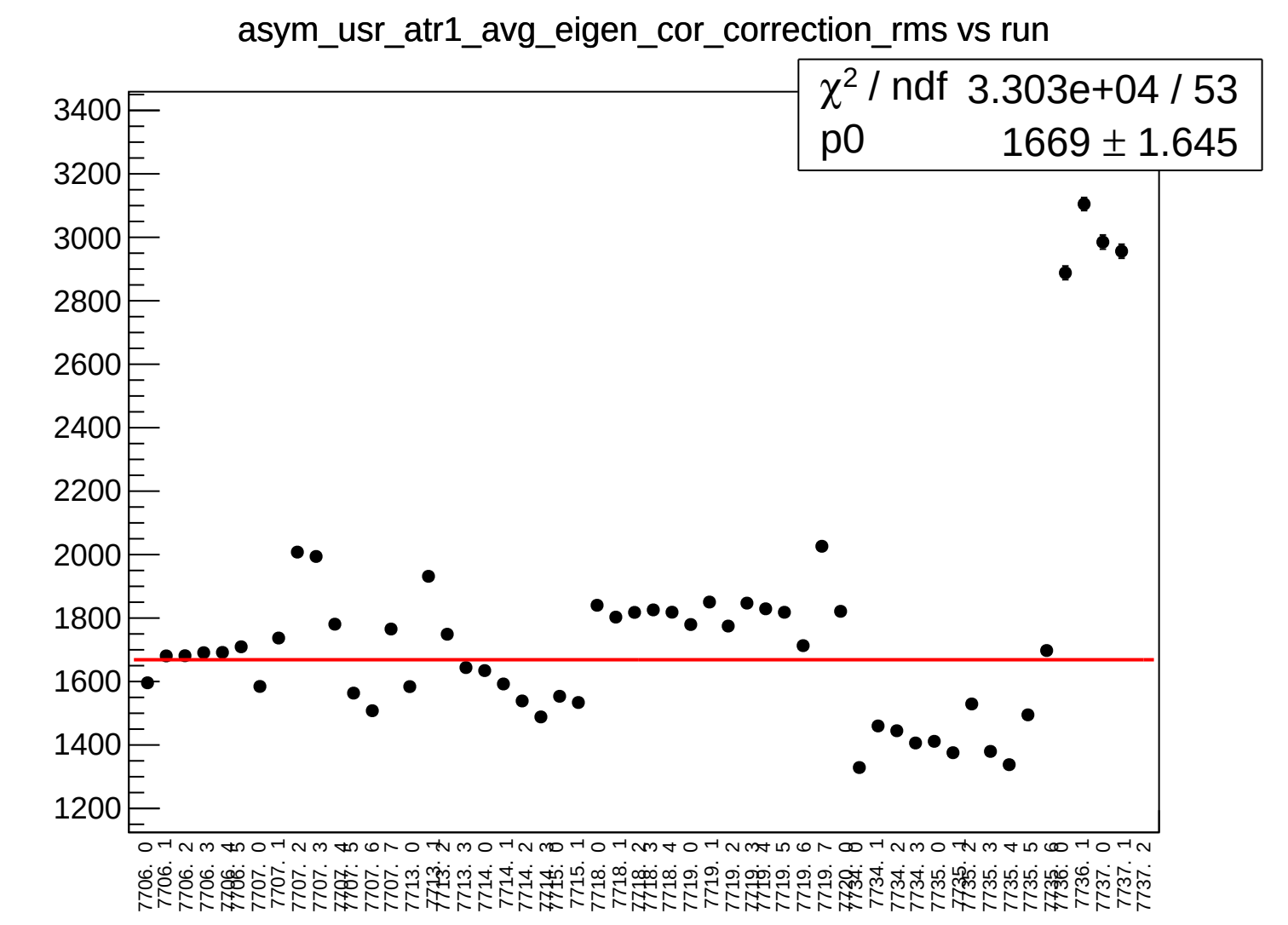

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 53.19 / 53
p0 3924 ± 2213
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 716.2
Std Dev 0
2
1
0
−1
−2
−3

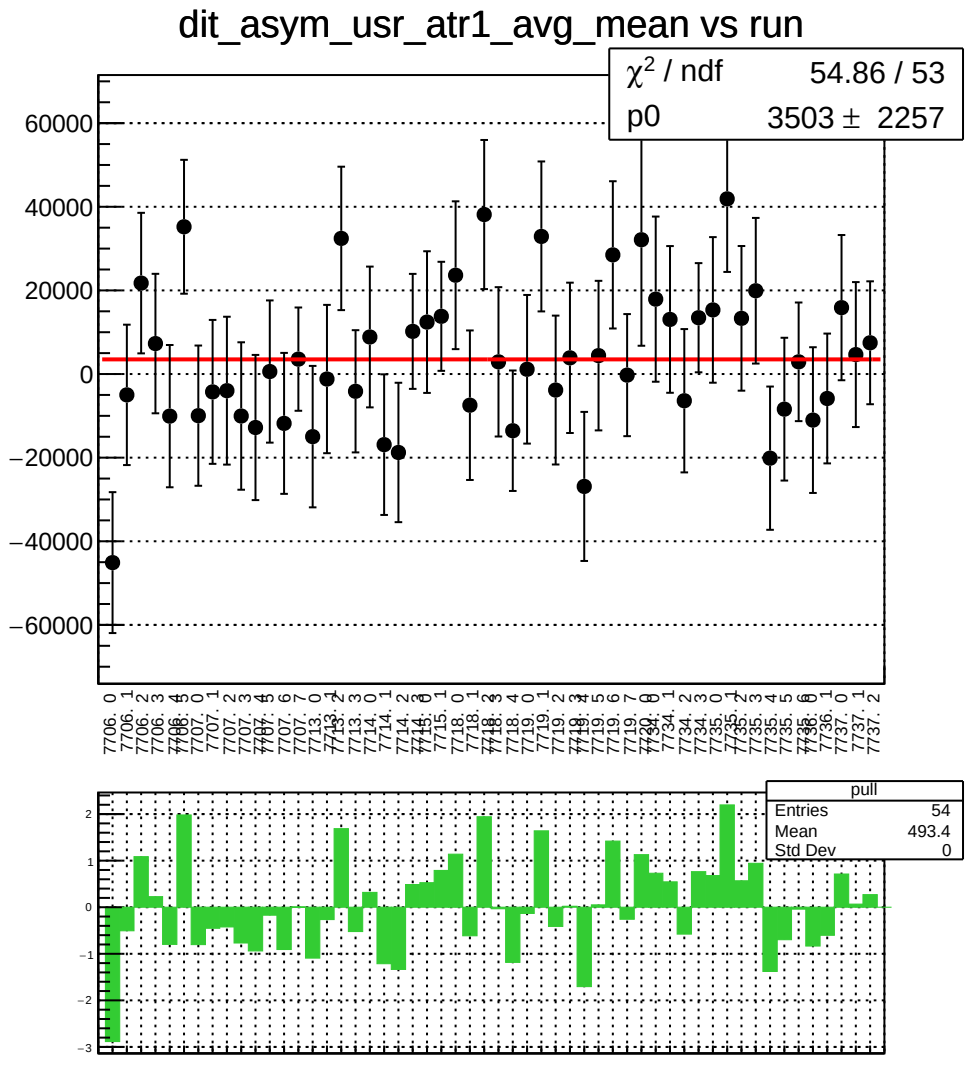

pull1D
Entries 54
Mean 0.00469
Std Dev 0.9924
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

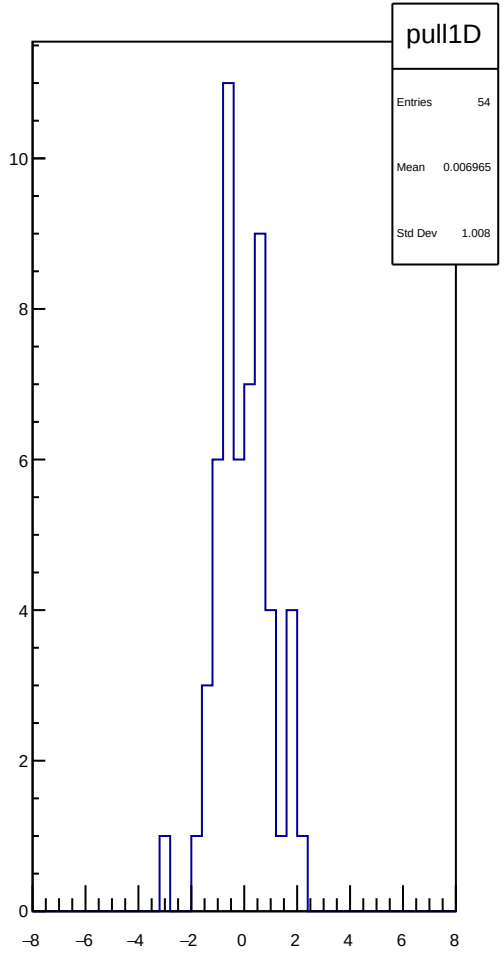

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 397.8 / 53
p0 1612 ± 1.565
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

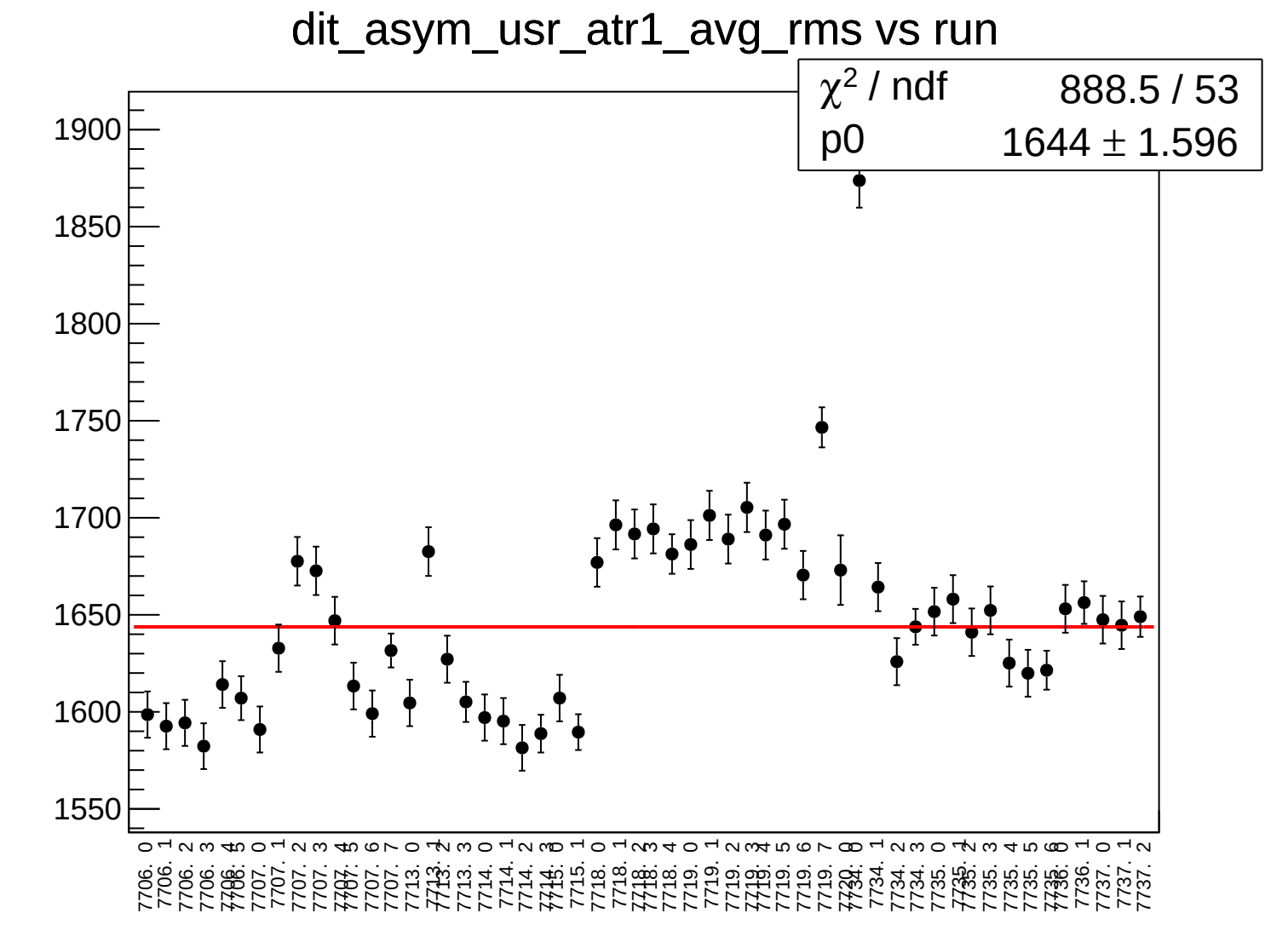

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.3 / 53
p0 329.7 ± 2326
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 187.5
Std Dev 0
2
1
0
−1
−2
−3

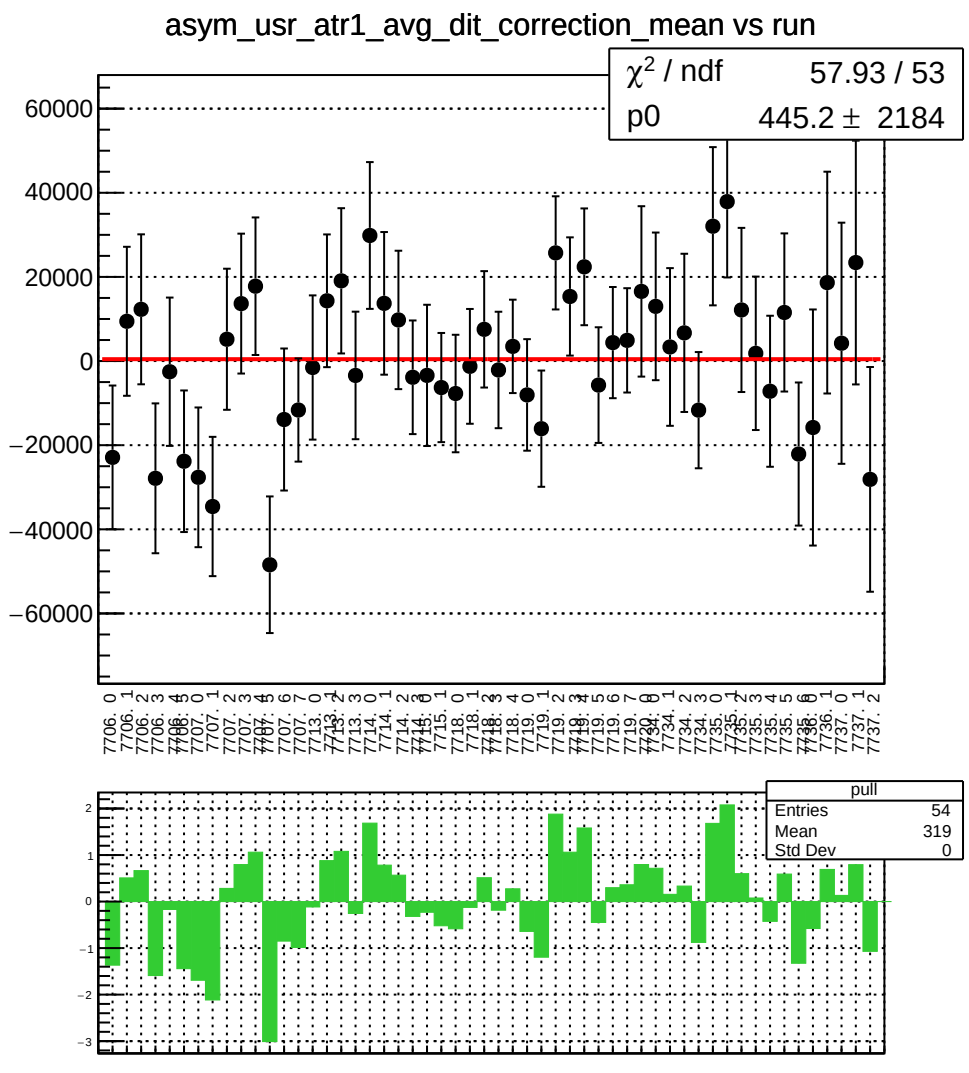

pull1D
Entries 54
Mean 0.02726
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

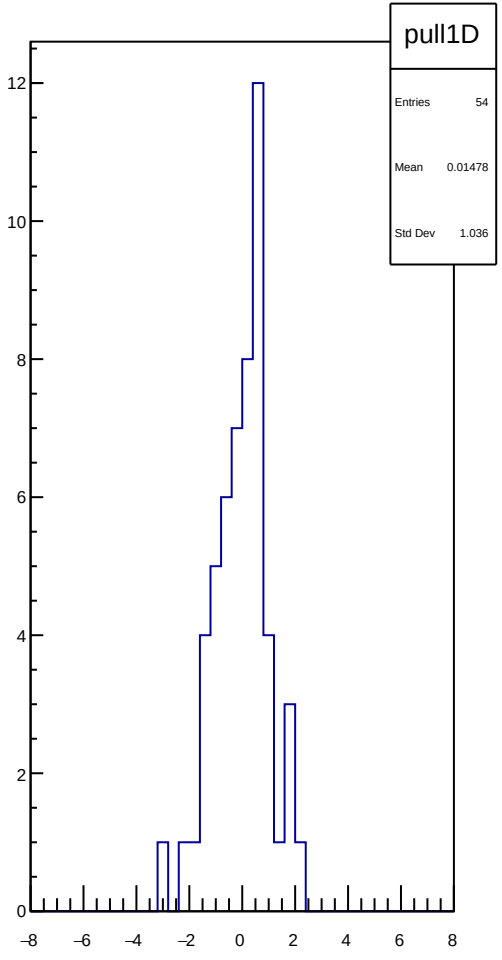

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.303e+04 / 53
p0 1669 ± 1.645
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

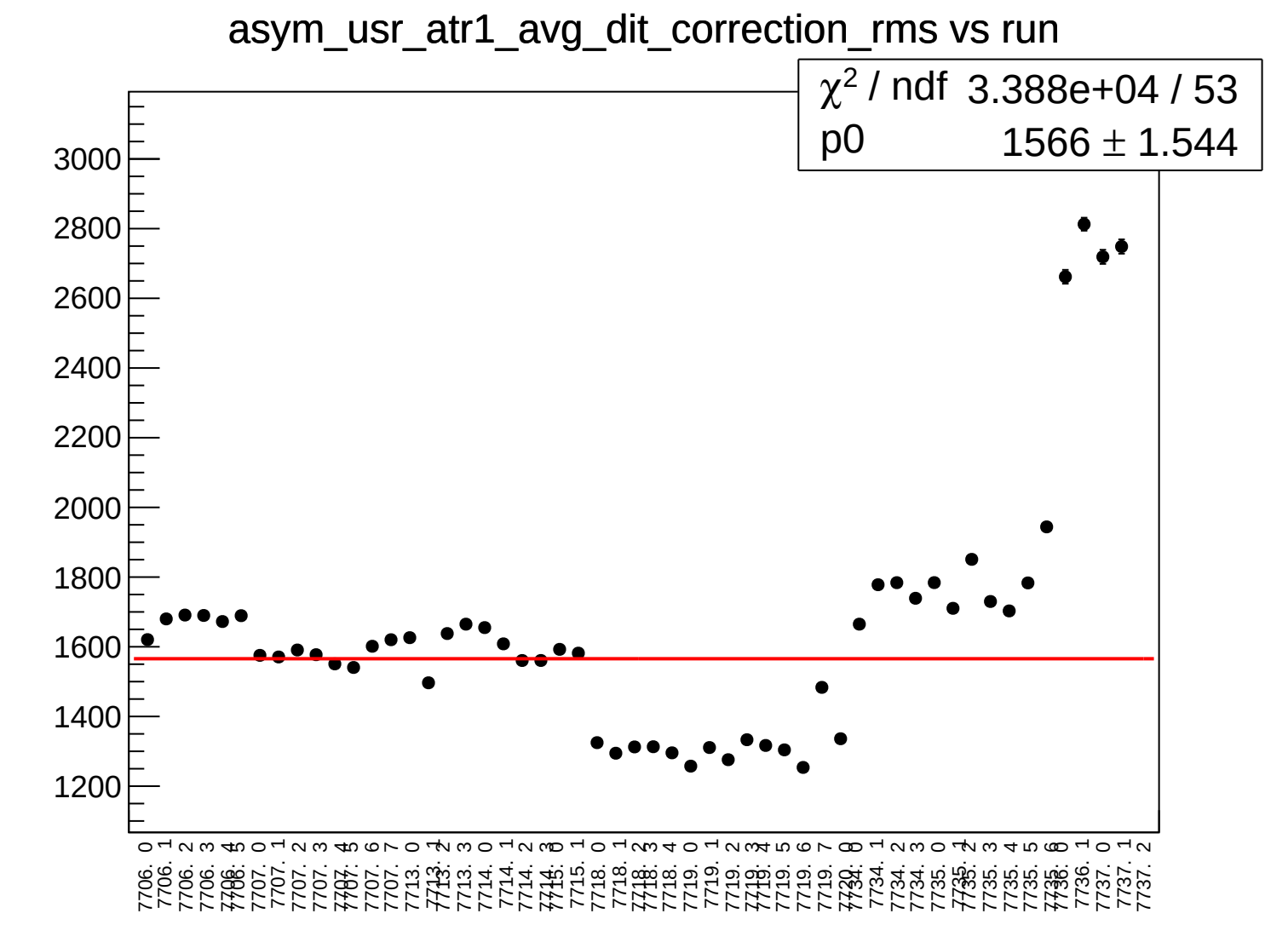

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 54.86 / 53
p0 3503 ± 2257
pull
Entries 54
Mean 493.4
Std Dev 0

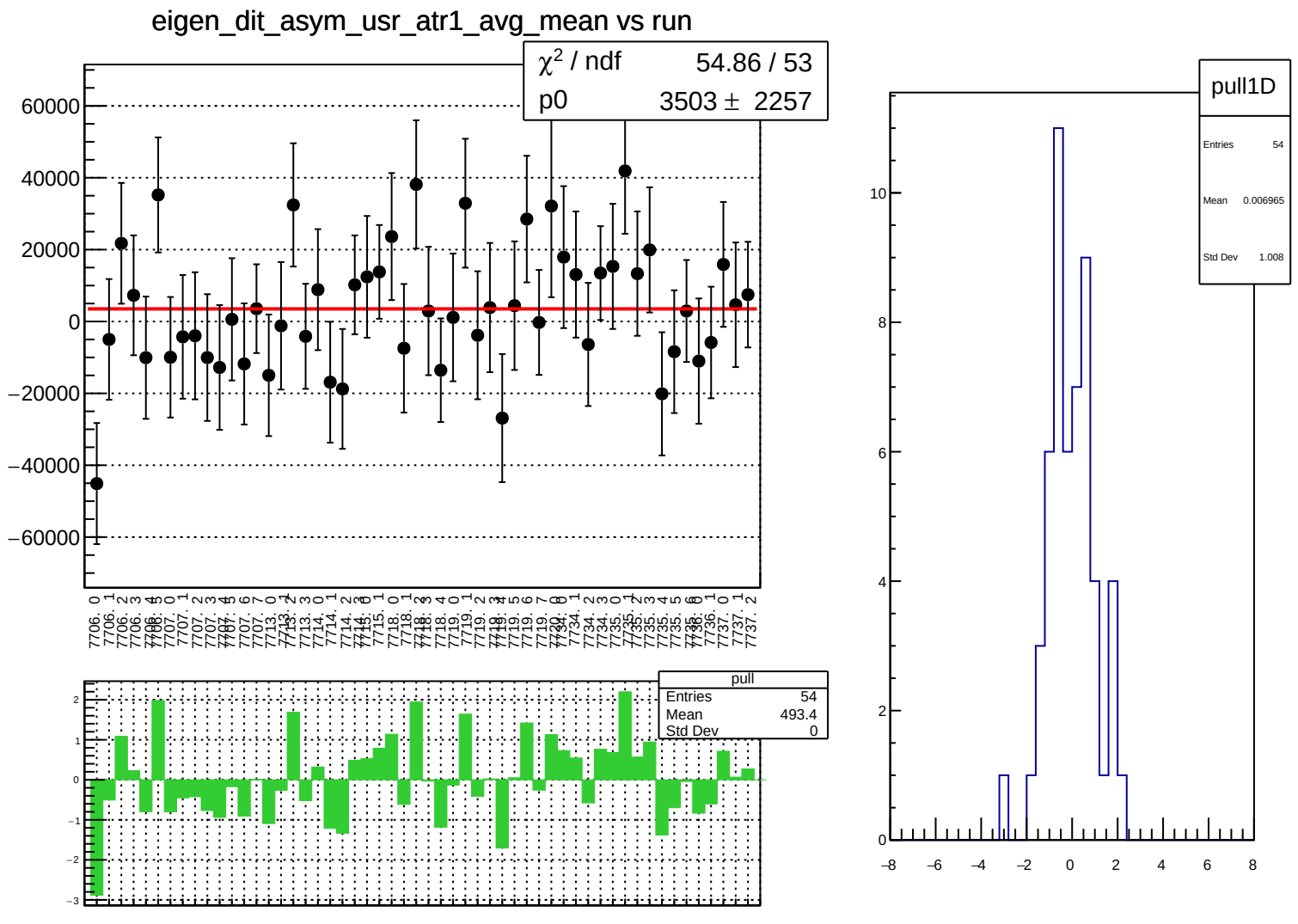

pull1D
Entries 54
Mean 0.006965
Std Dev 1.008

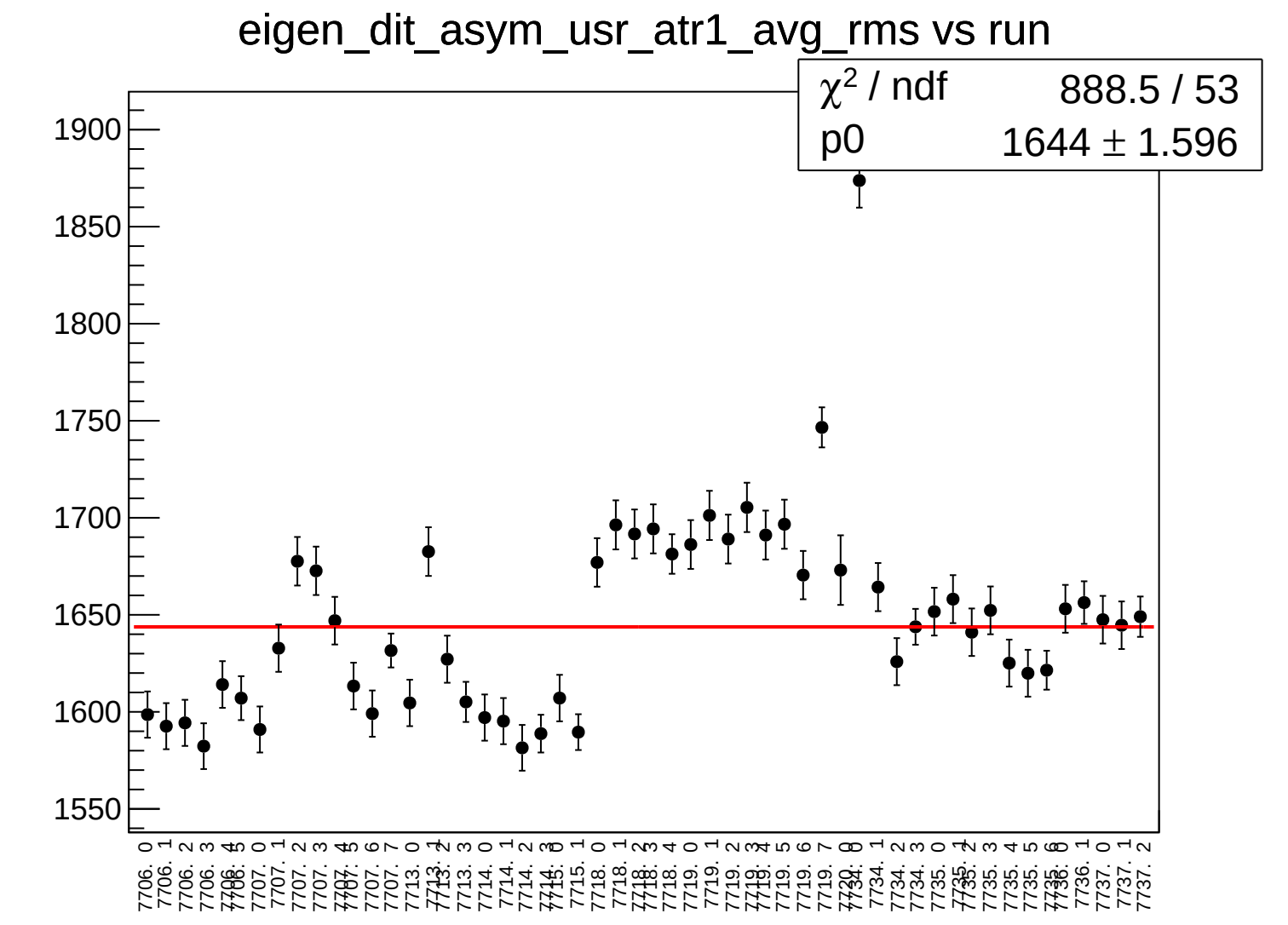

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 888.5 / 53
p0 1644 ± 1.596
1900
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

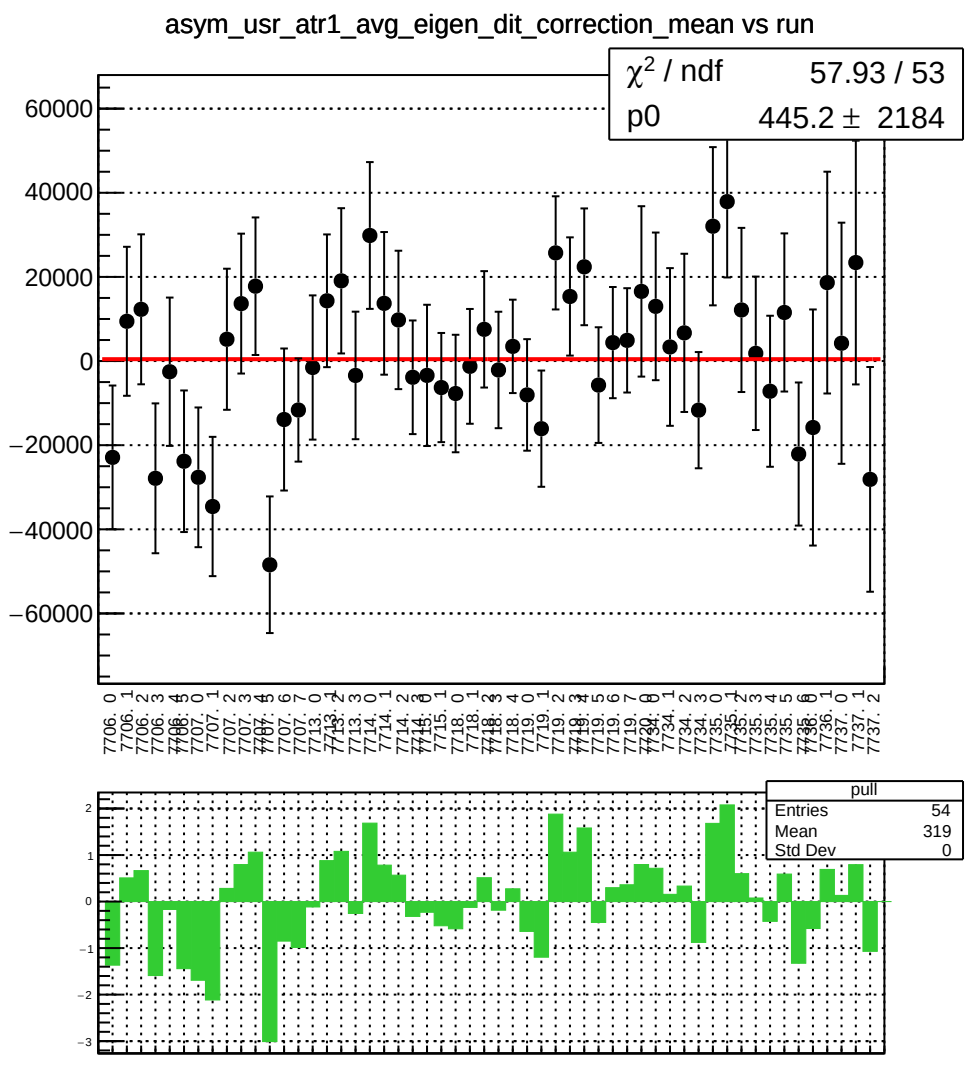

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 57.93 / 53
p0 445.2 ± 2184
pull
Entries 54
Mean 319
Std Dev 0

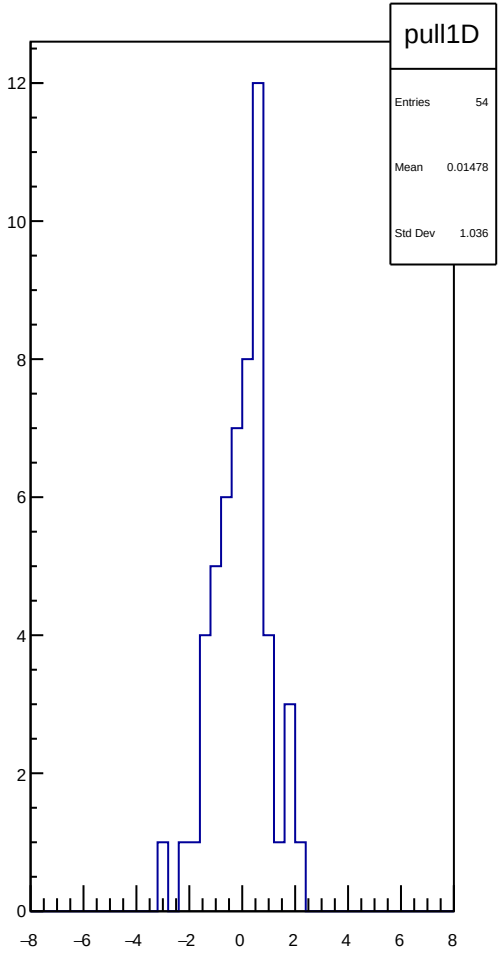

pull1D
Entries 54
Mean 0.01478
Std Dev 1.036

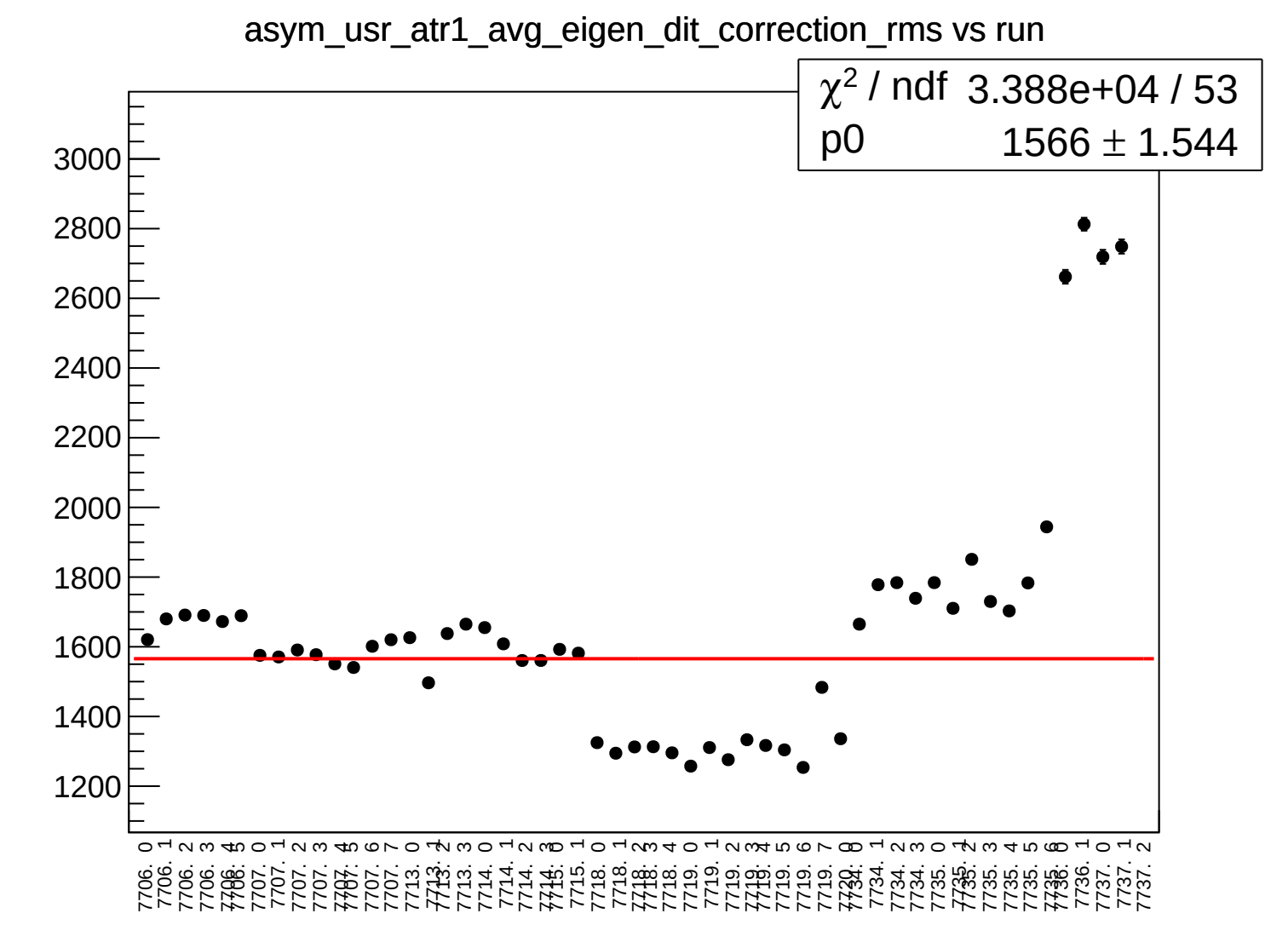

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3.388e+04 / 53
p0 1566 ± 1.544
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

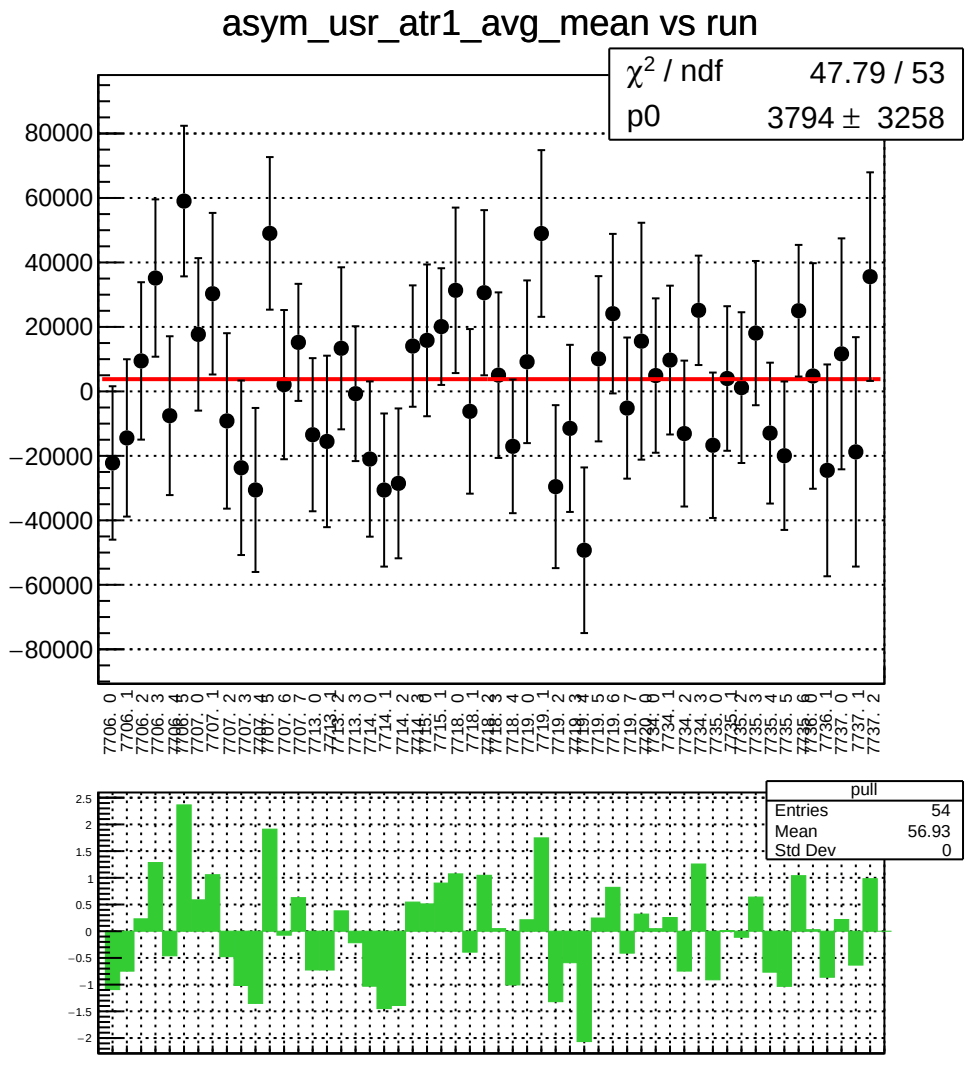

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 54.86 / 53
p0 3503 ± 2257
pull
Entries 54
Mean 493.4
Std Dev 0
pull1D
Entries 54
Mean 0.006965
Std Dev 1.008

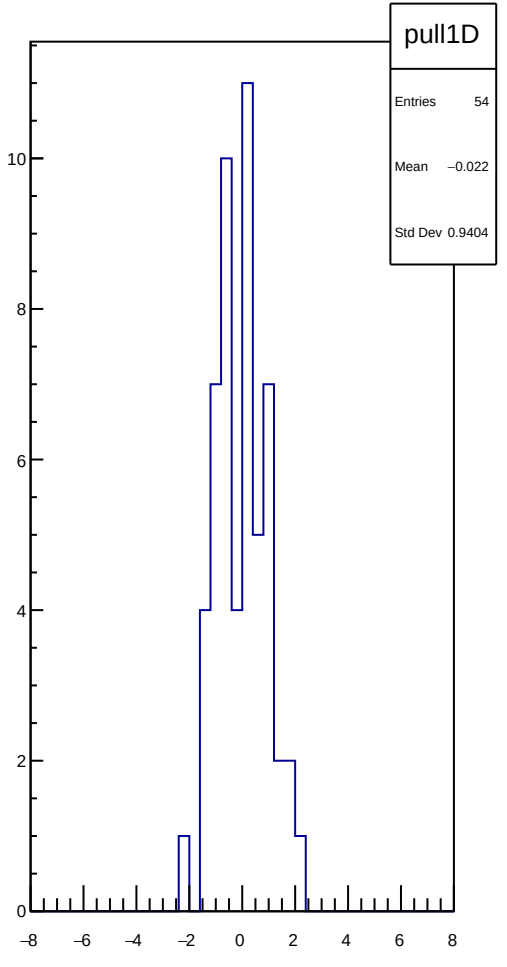

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 888.5 / 53
p0 1644 ± 1.596
1900
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

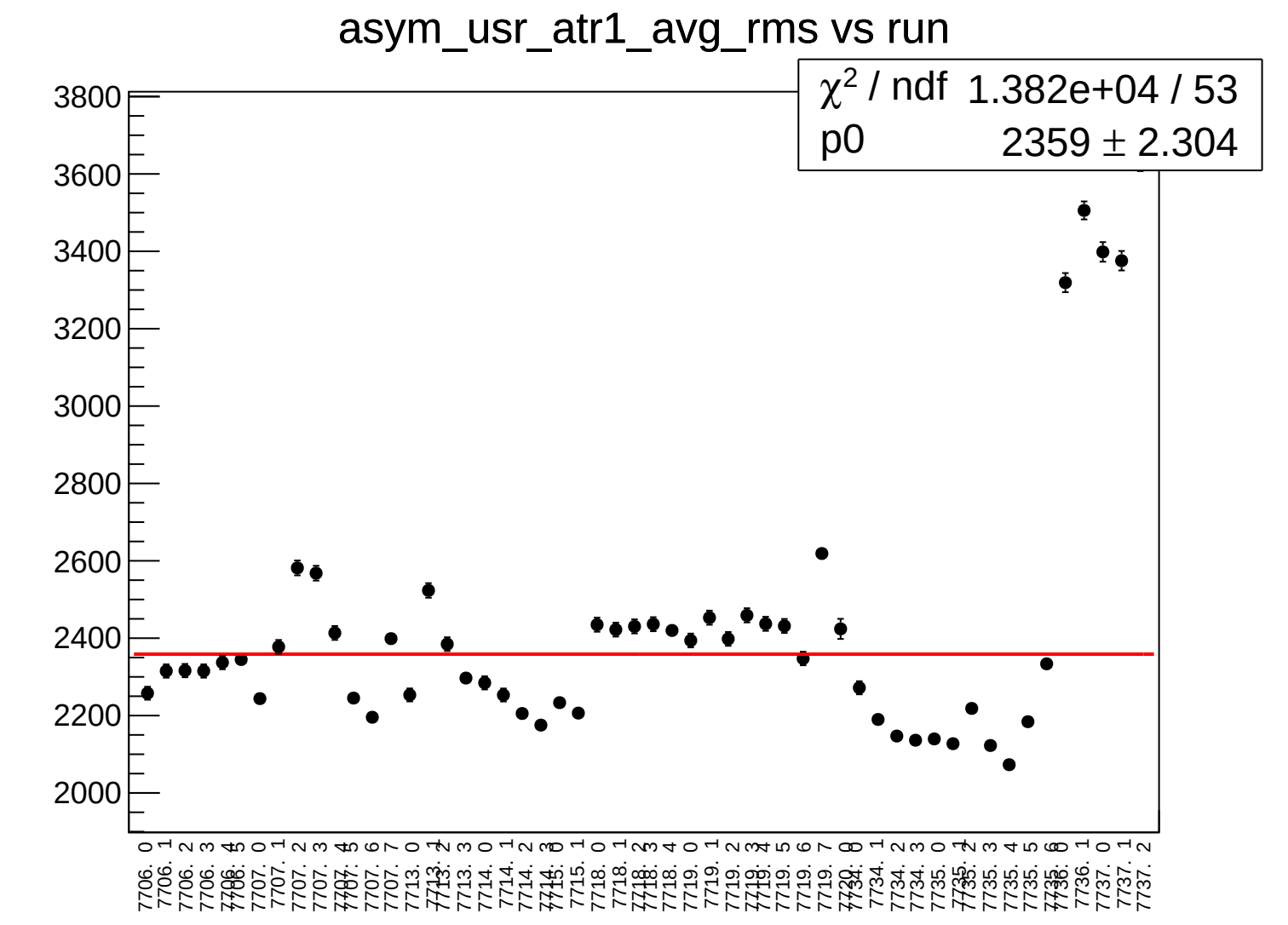

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.93 / 53
p0 445.2 ± 2184
pull
Entries 54
Mean 319
Std Dev 0

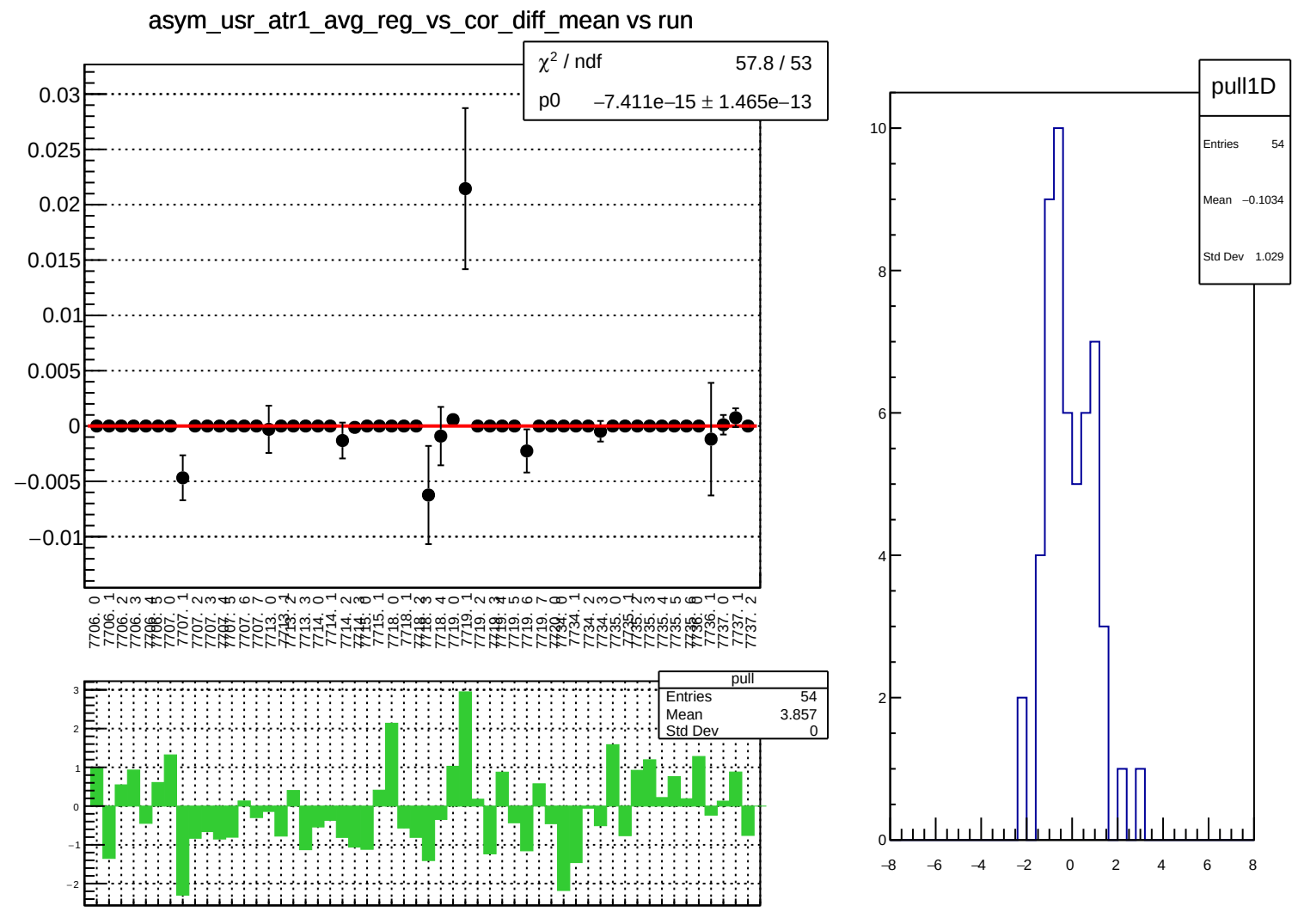

pull1D
Entries 54
Mean 0.01478
Std Dev 1.036

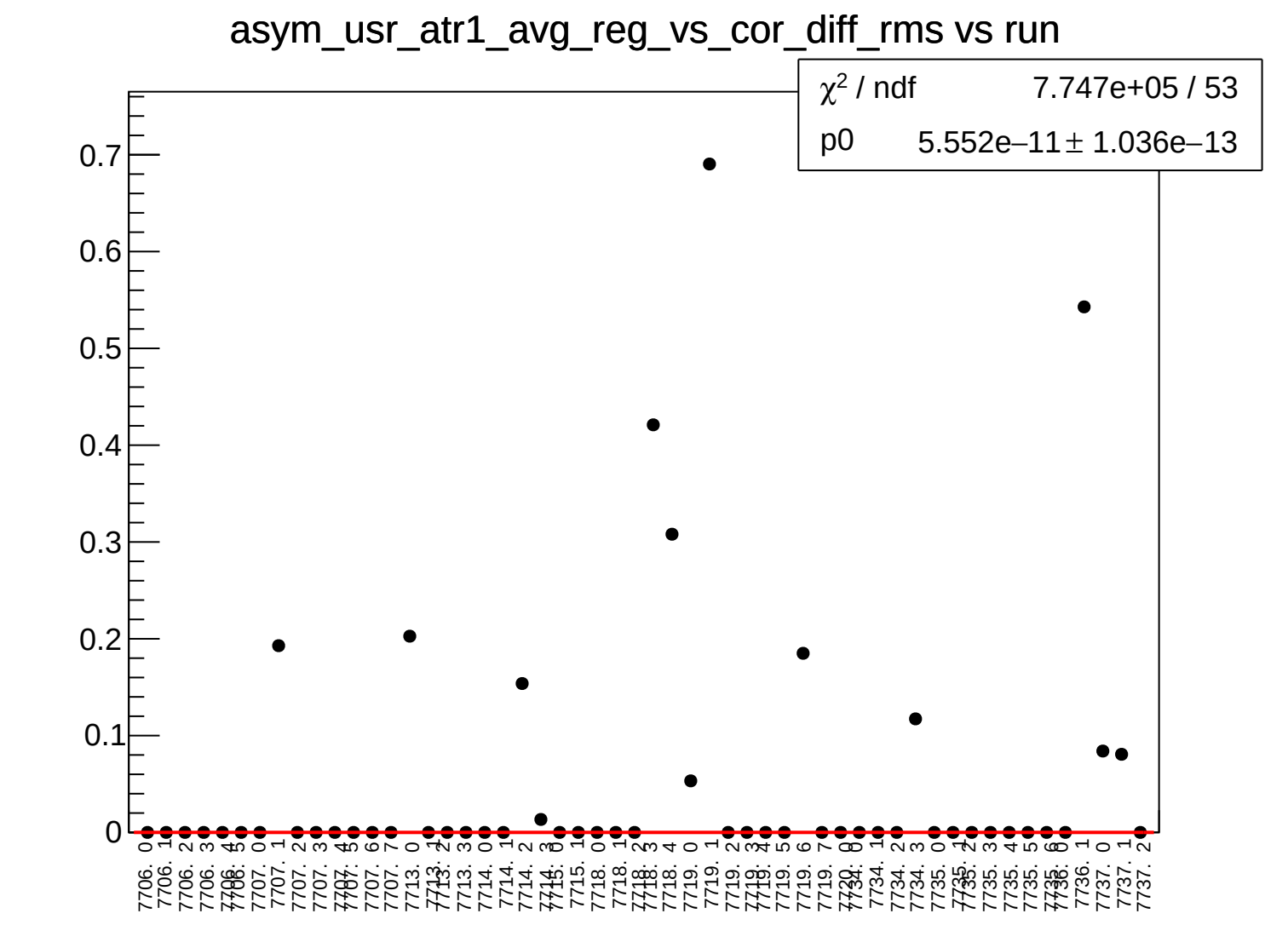

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.388e+04 / 53
p0 1566 ± 1.544
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

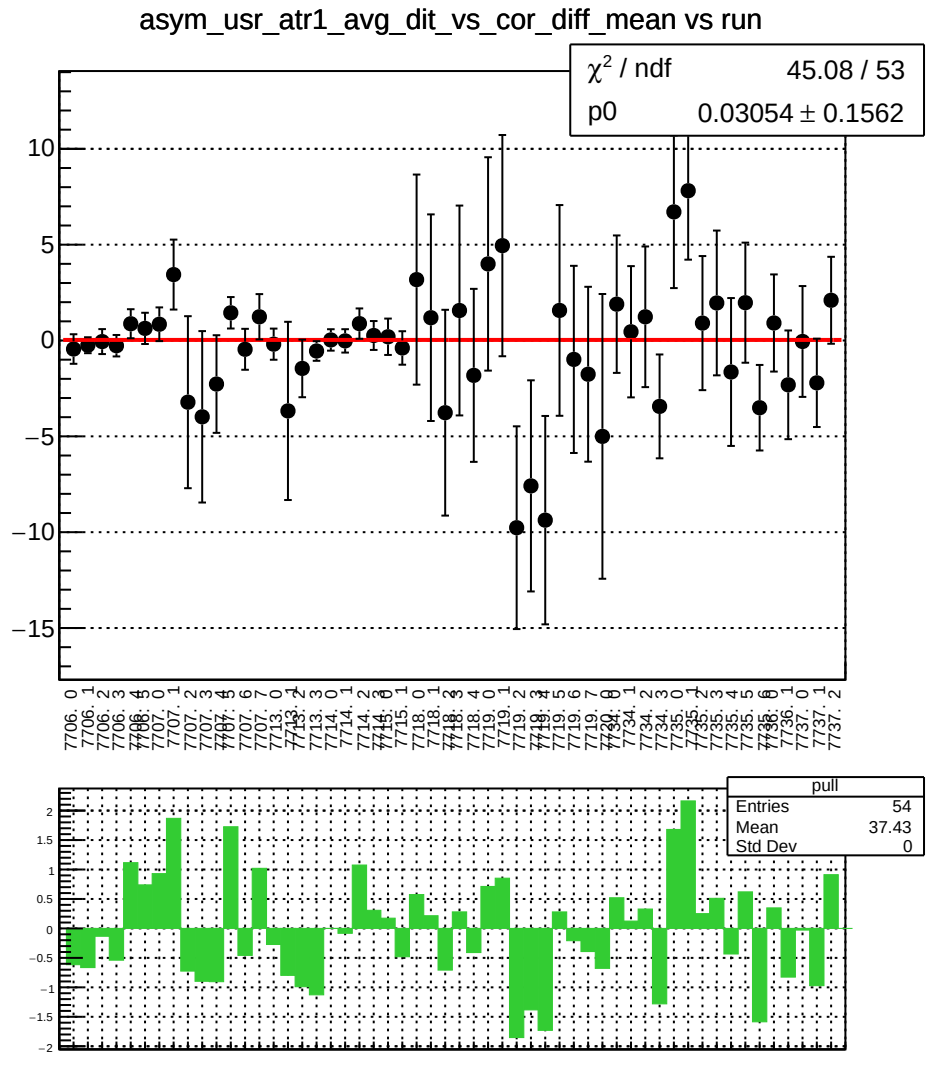

asym_usr_atr1_avg_mean vs run
χ² / ndf 47.79 / 53
p0 3794 ± 3258
pull
Entries 54
Mean 56.93
Std Dev 0

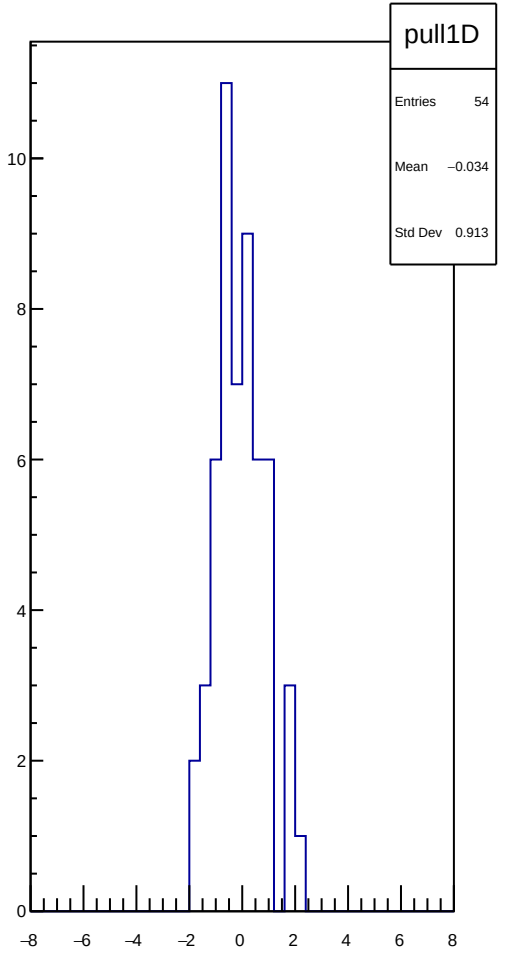

pull1D
Entries 54
Mean −0.022
Std Dev 0.9404

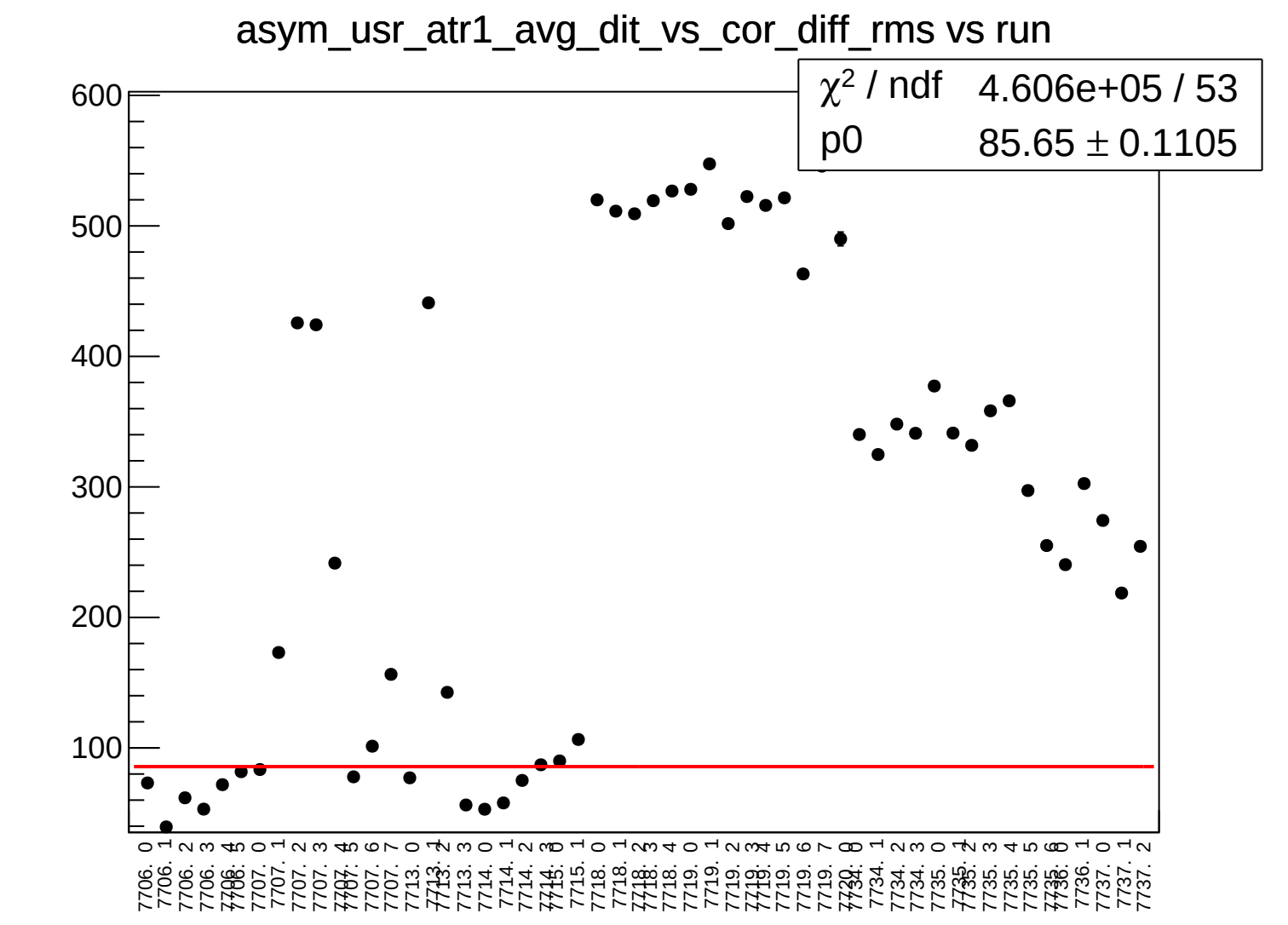

asym_usr_atr1_avg_rms vs run
χ² / ndf 1.382e+04 / 53
p0 2359 ± 2.304
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

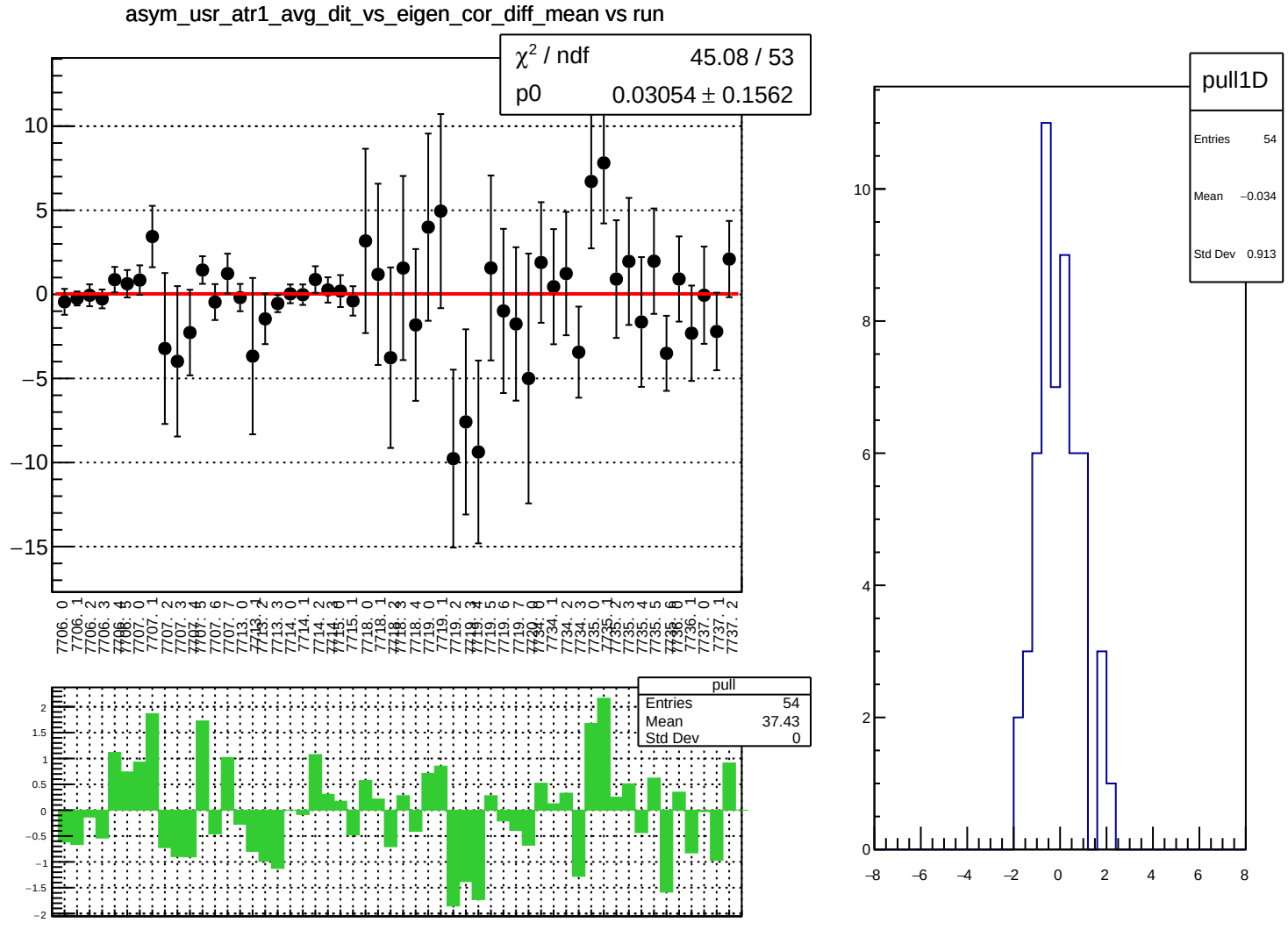

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.8 / 53
p0 −7.411e−15 ± 1.465e−13
pull
Entries 54
Mean 3.857
Std Dev 0
pull1D
Entries 54
Mean −0.1034
Std Dev 1.029

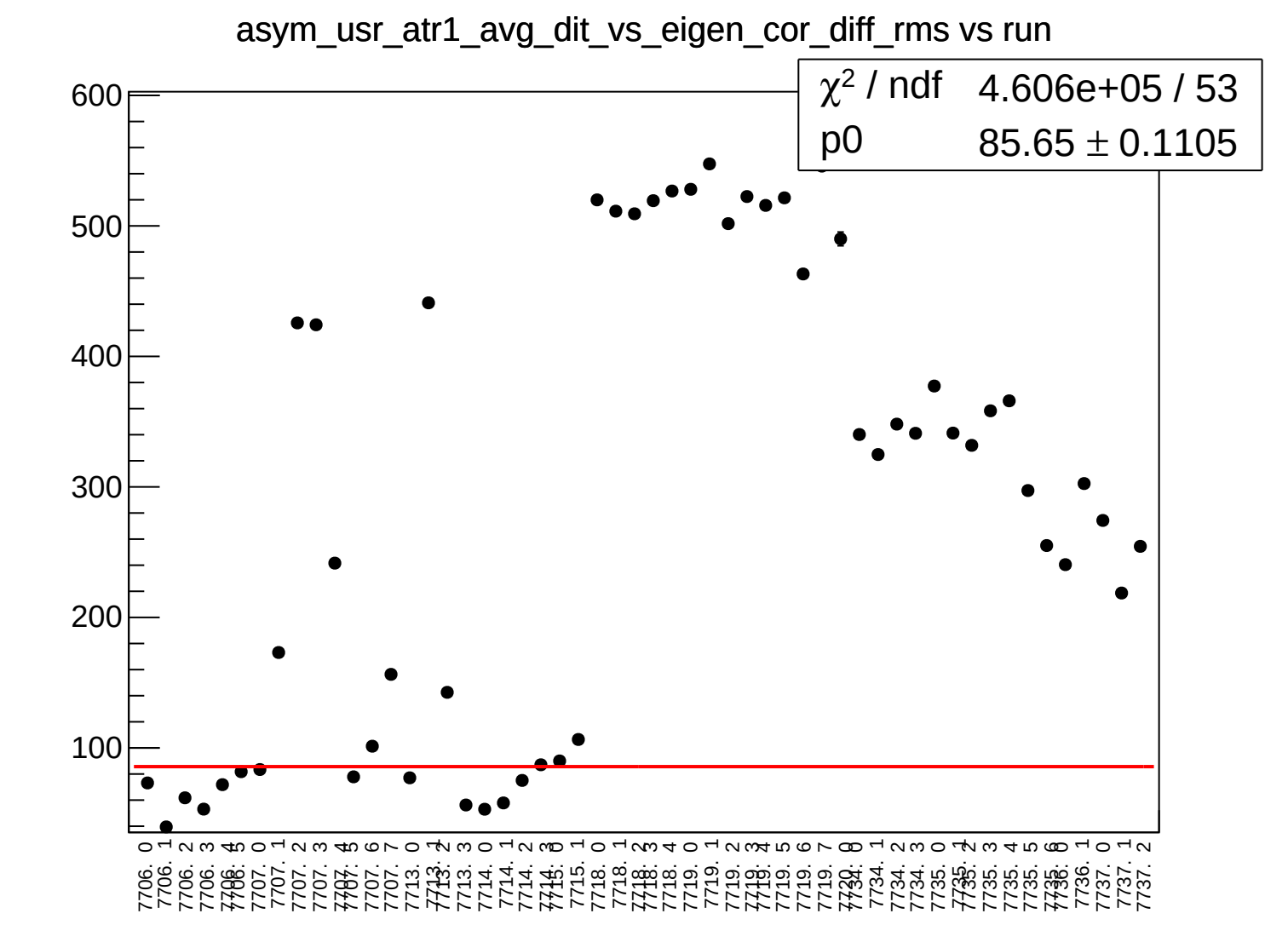

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.747e+05 / 53
p0 5.552e−11 ± 1.036e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

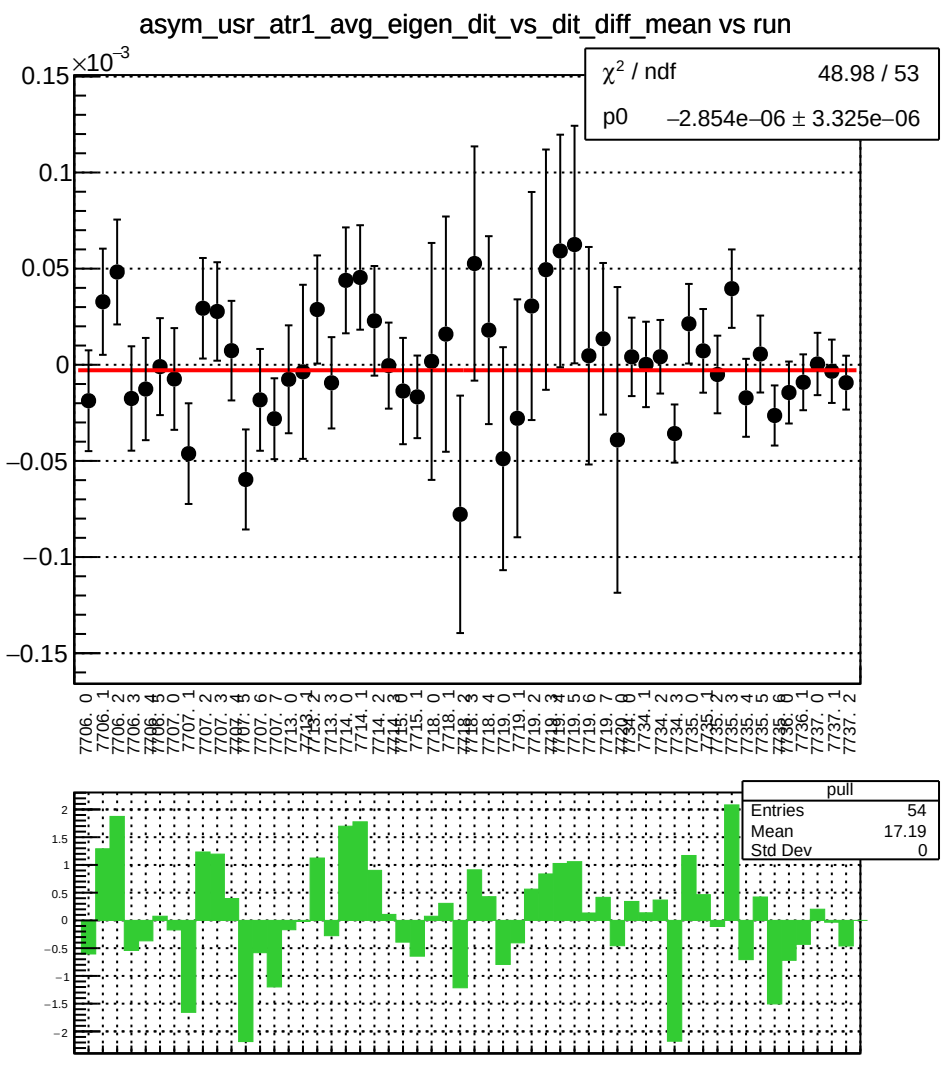

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.08 / 53
p0 0.03054 ± 0.1562
pull
Entries 54
Mean 37.43
Std Dev 0

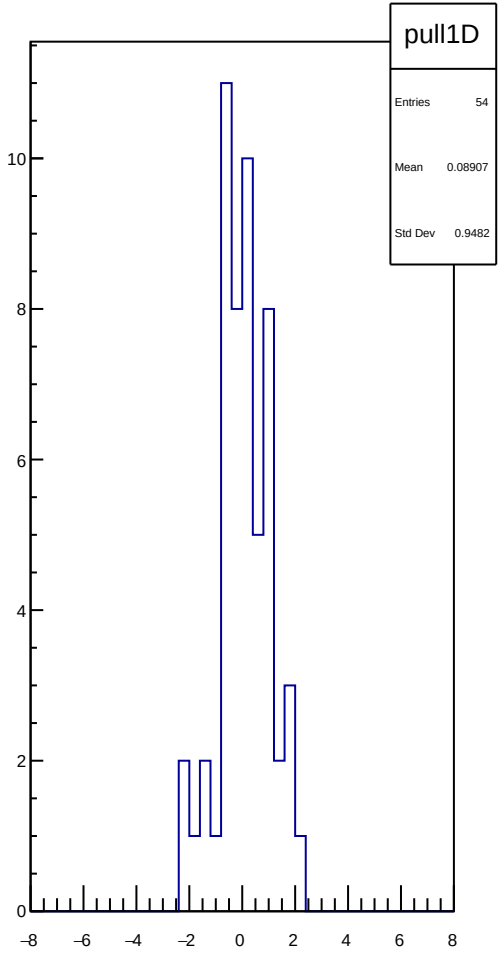

pull1D
Entries 54
Mean −0.034
Std Dev 0.913

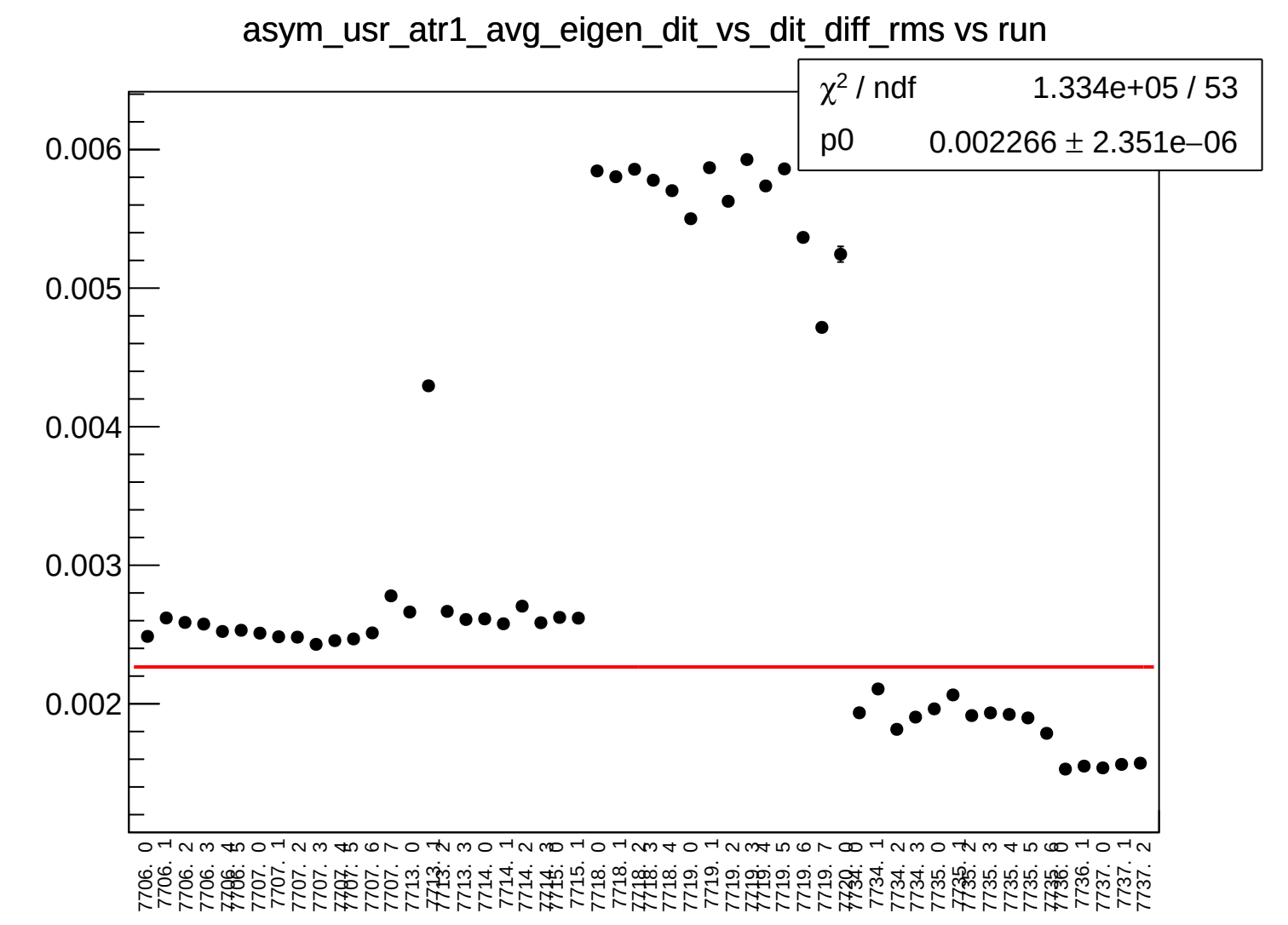

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.606e+05 / 53
p0 85.65 ± 0.1105
600
500
400
300
200
100

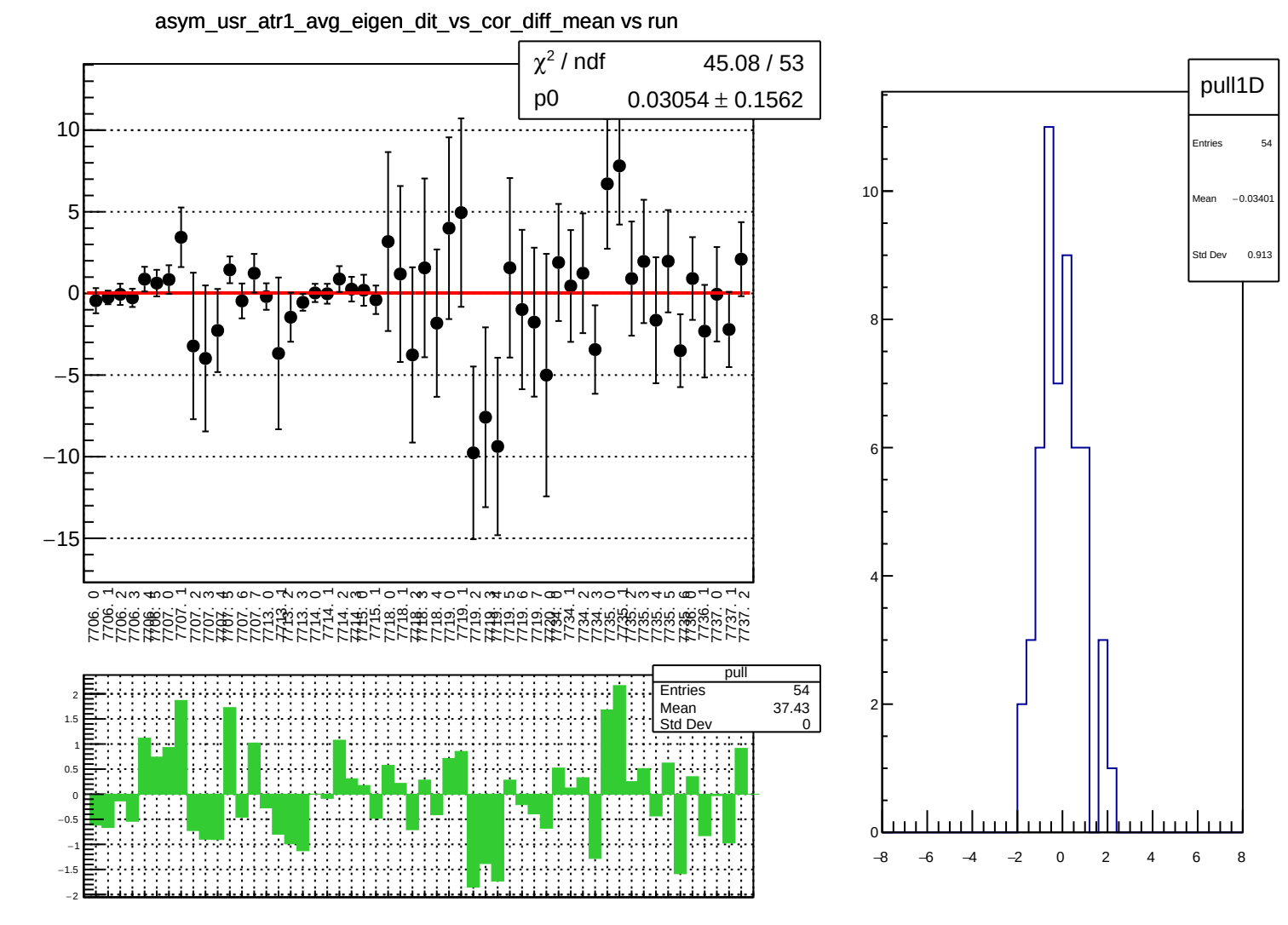

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.08 / 53
p0 0.03054 ± 0.1562
pull
Entries 54
Mean 37.43
Std Dev 0
pull1D
Entries 54
Mean −0.034
Std Dev 0.913

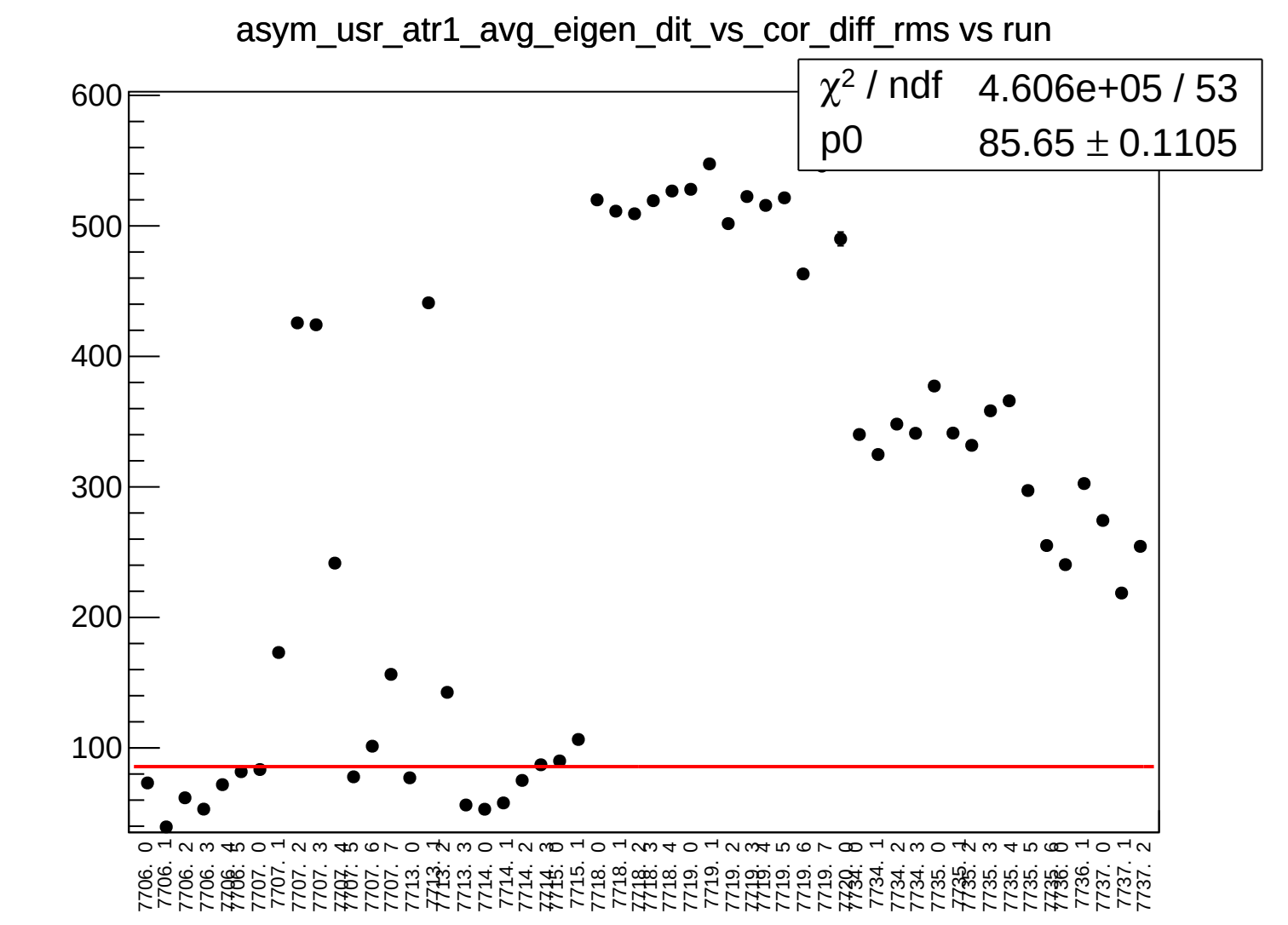

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.606e+05 / 53
p0 85.65 ± 0.1105
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

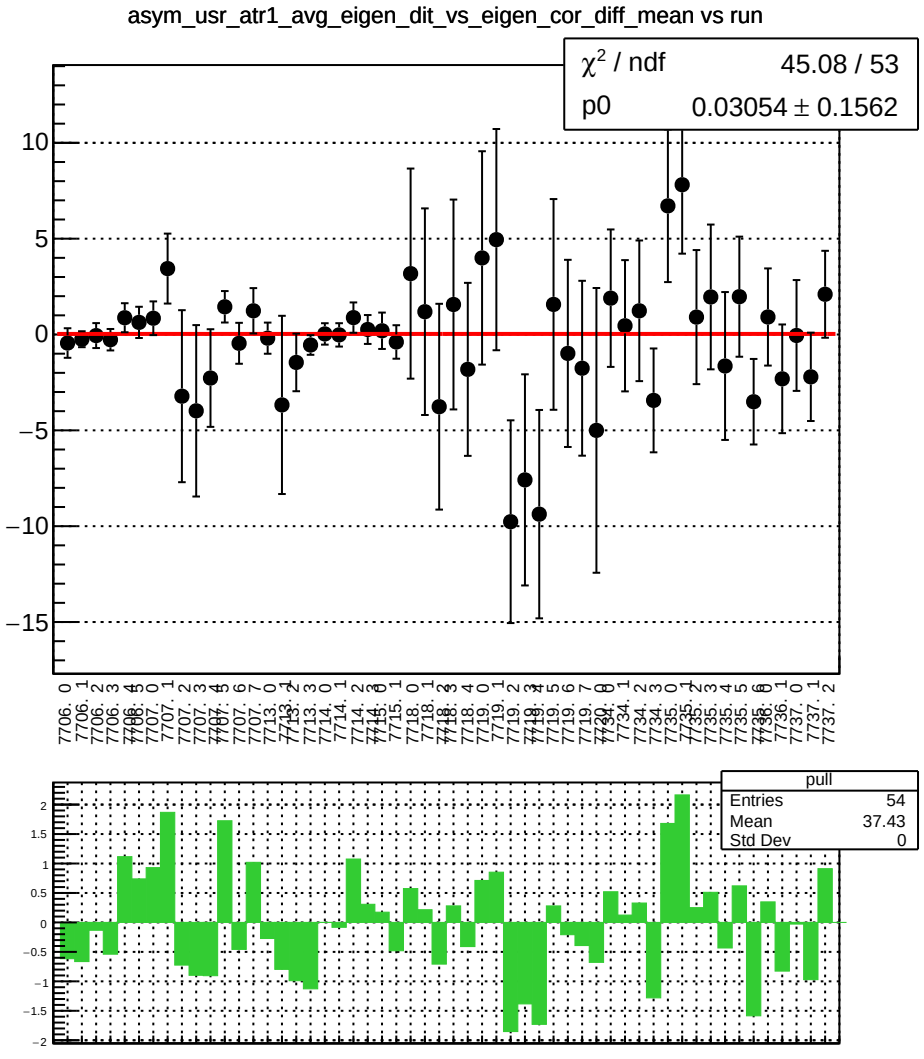

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.98 / 53
p0 −2.854e−06 ± 3.325e−06
pull
Entries 54
Mean 17.19
Std Dev 0

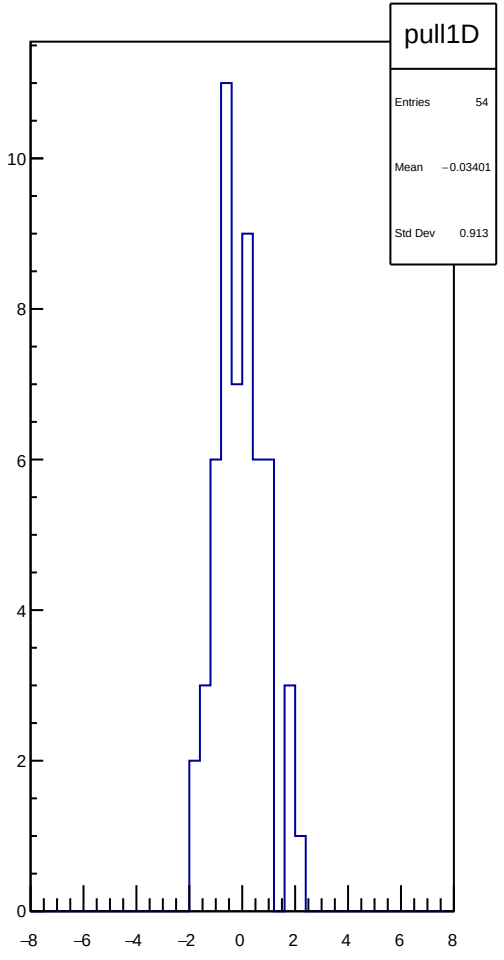

pull1D
Entries 54
Mean 0.08907
Std Dev 0.9482

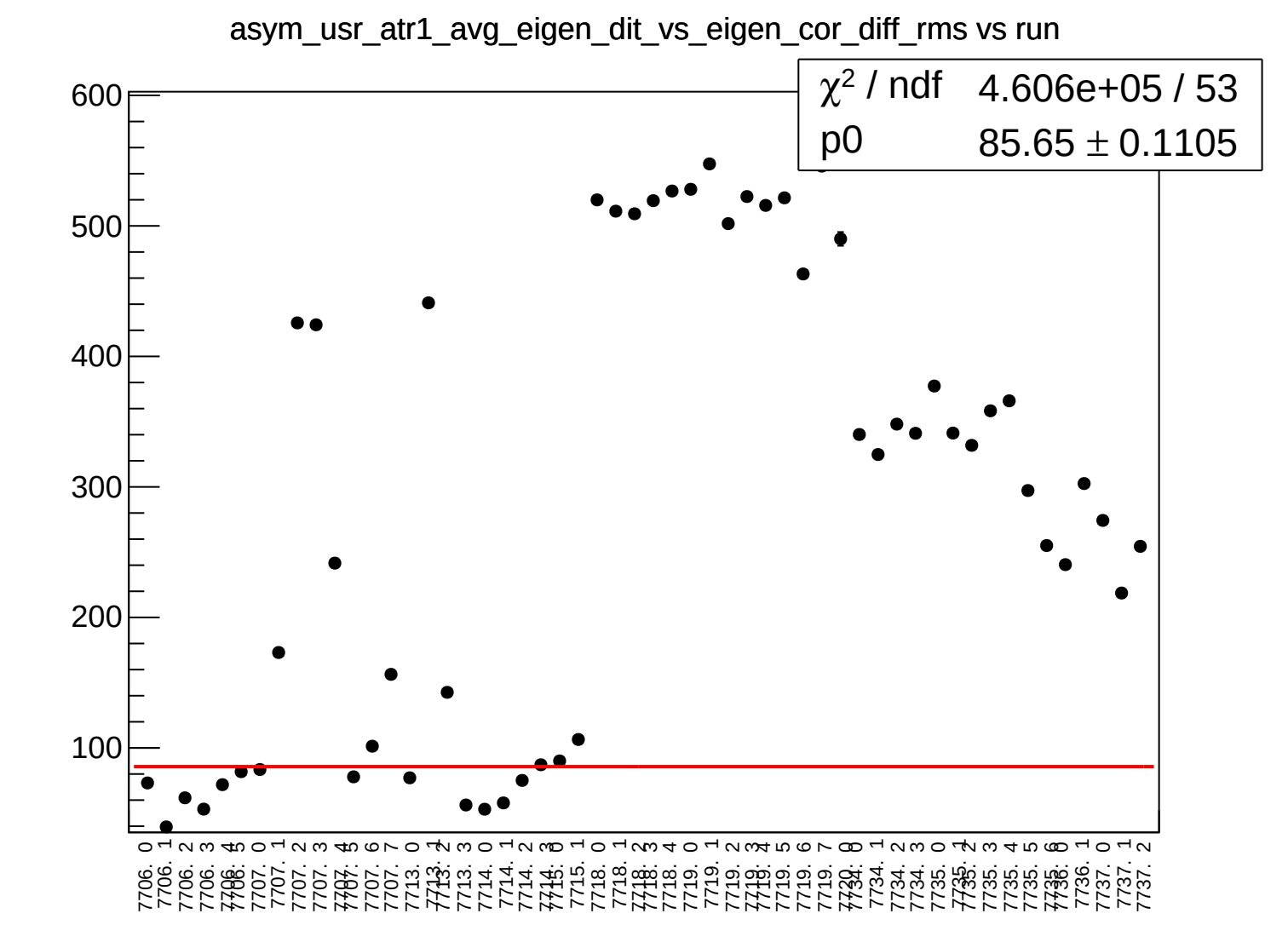

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.334e+05 / 53
p0 0.002266 ± 2.351e−06
0.006
0.005
0.004
0.003
0.002

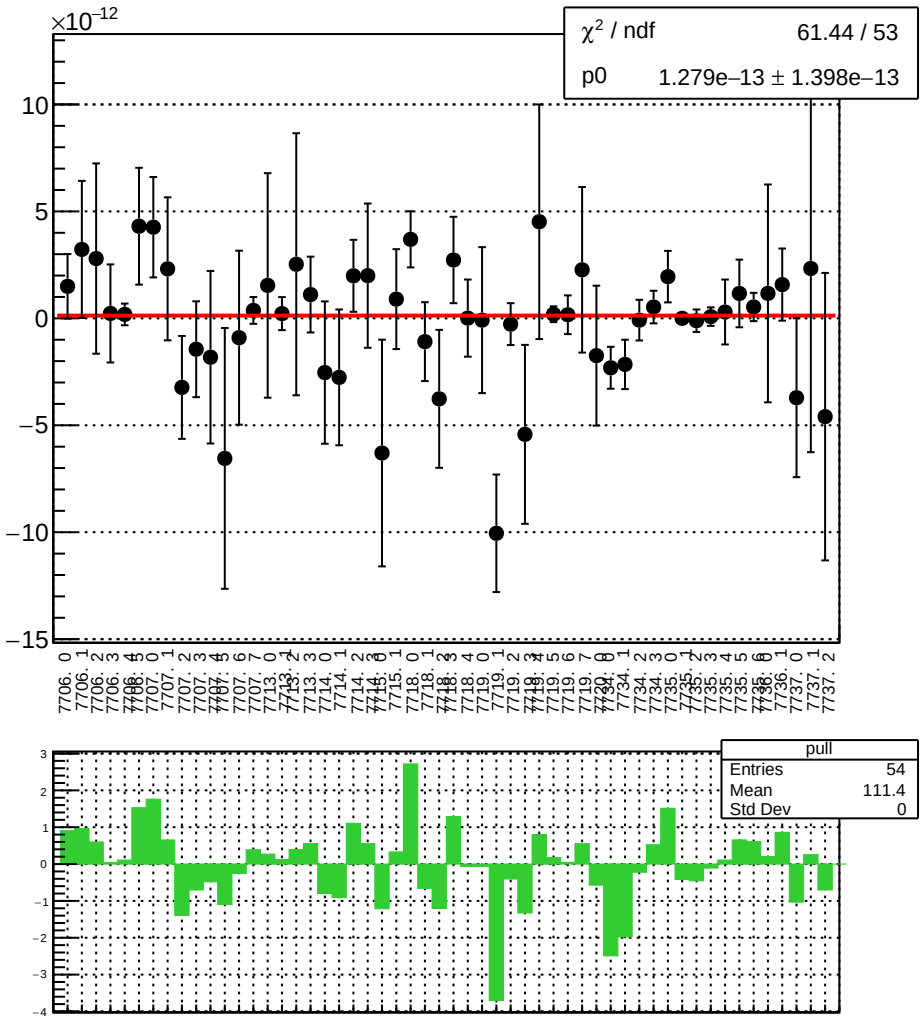

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.08 / 53
p0 0.03054 ± 0.1562
pull
Entries 54
Mean 37.43
Std Dev 0
pull1D
Entries 54
Mean −0.03401
Std Dev 0.913

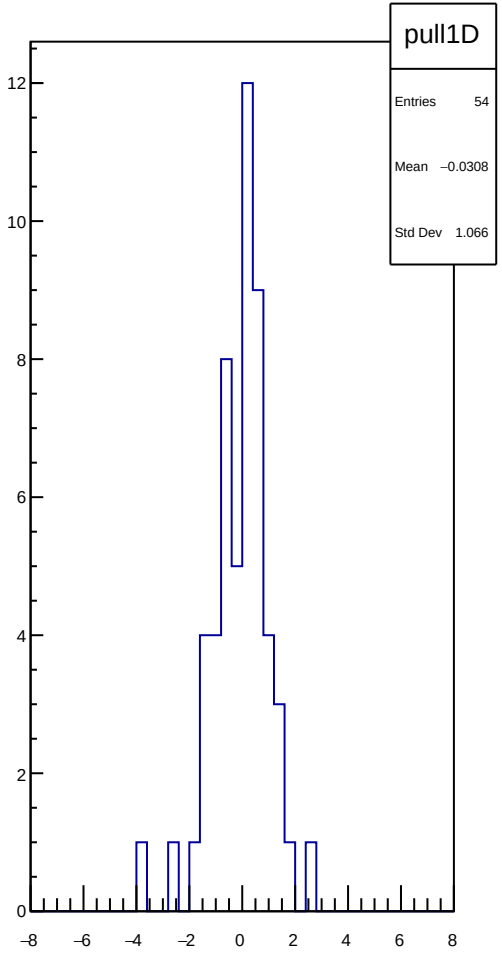

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.606e+05 / 53
p0 85.65 ± 0.1105
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

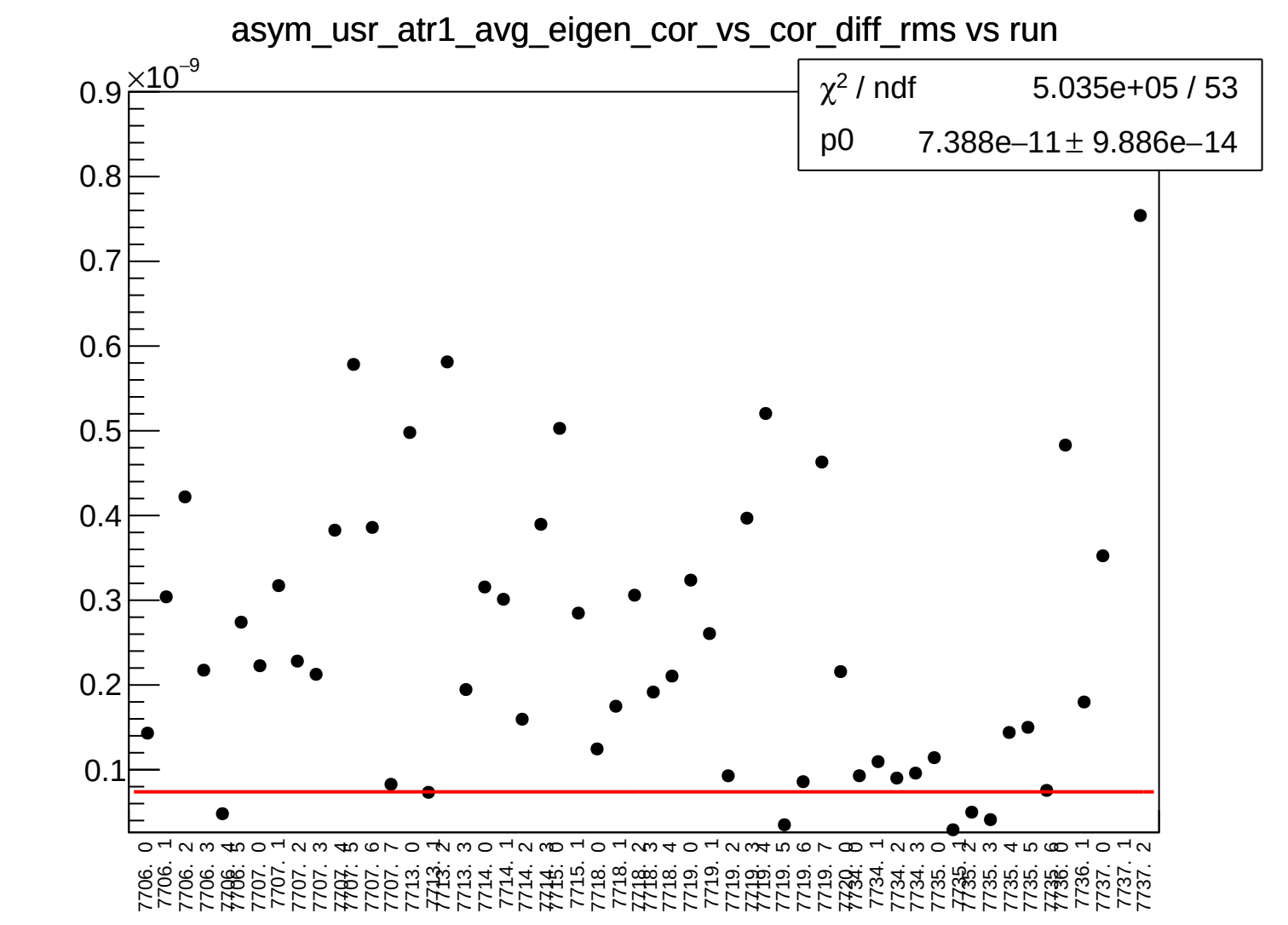

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.08 / 53
p0 0.03054 ± 0.1562
pull
Entries 54
Mean 37.43
Std Dev 0

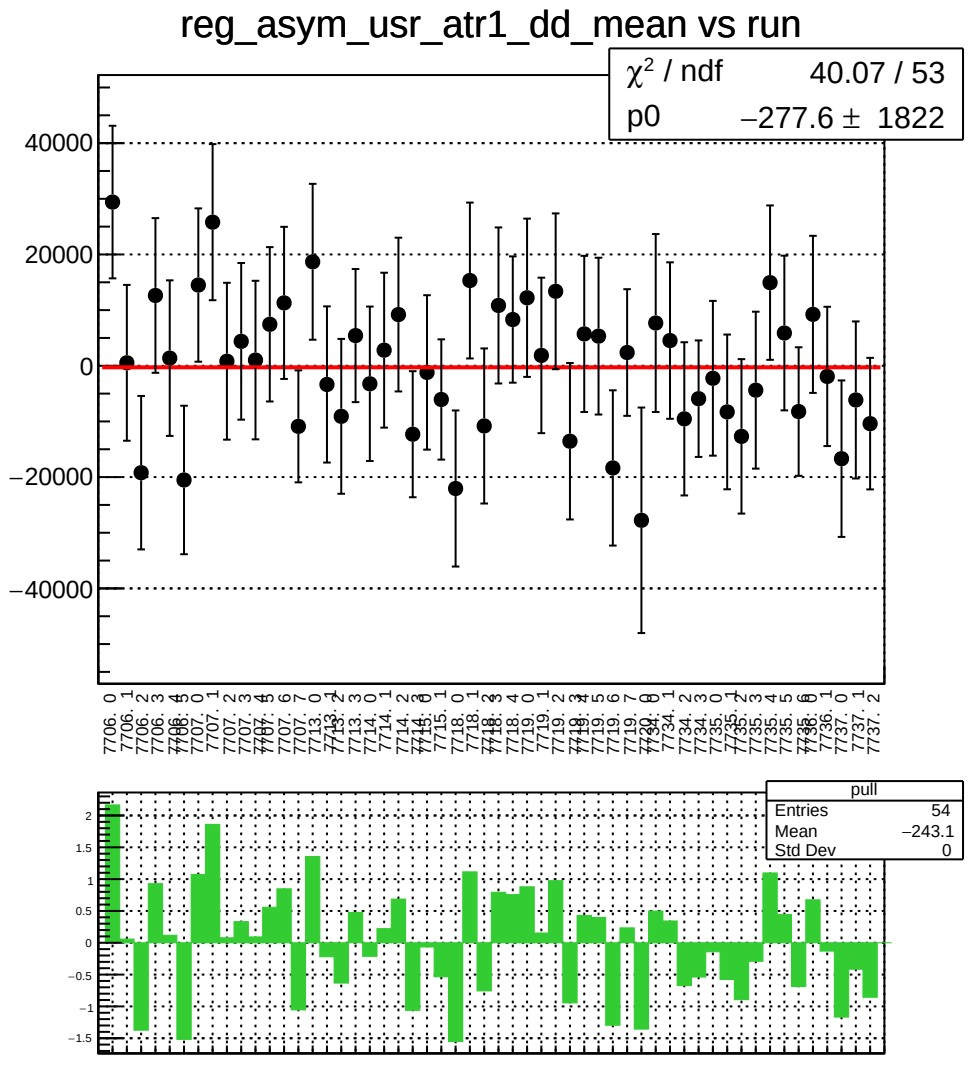

pull1D
Entries 54
Mean −0.03401
Std Dev 0.913

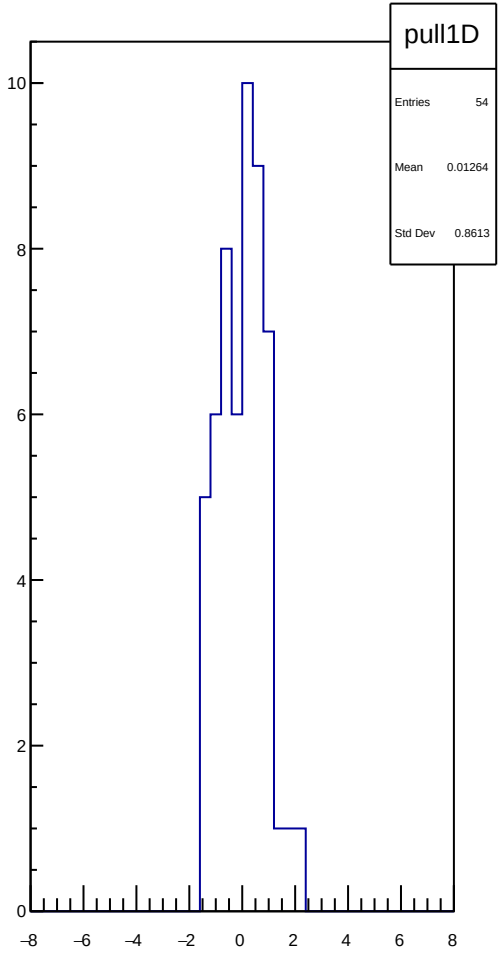

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.606e+05 / 53
p0 85.65 ± 0.1105
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

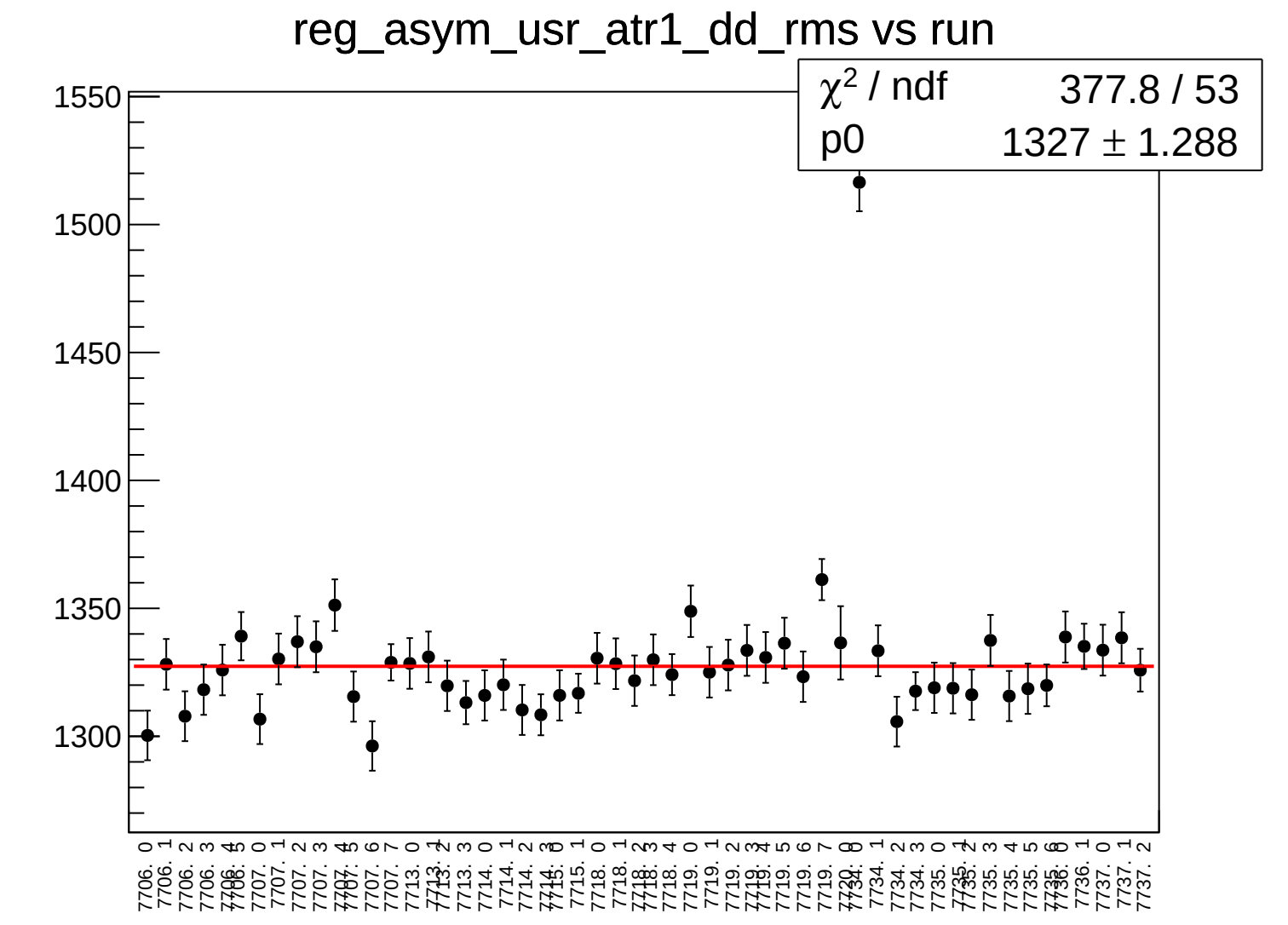

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.44 / 53
p0 1.279e−13 ± 1.398e−13
pull
Entries 54
Mean 111.4
Std Dev 0

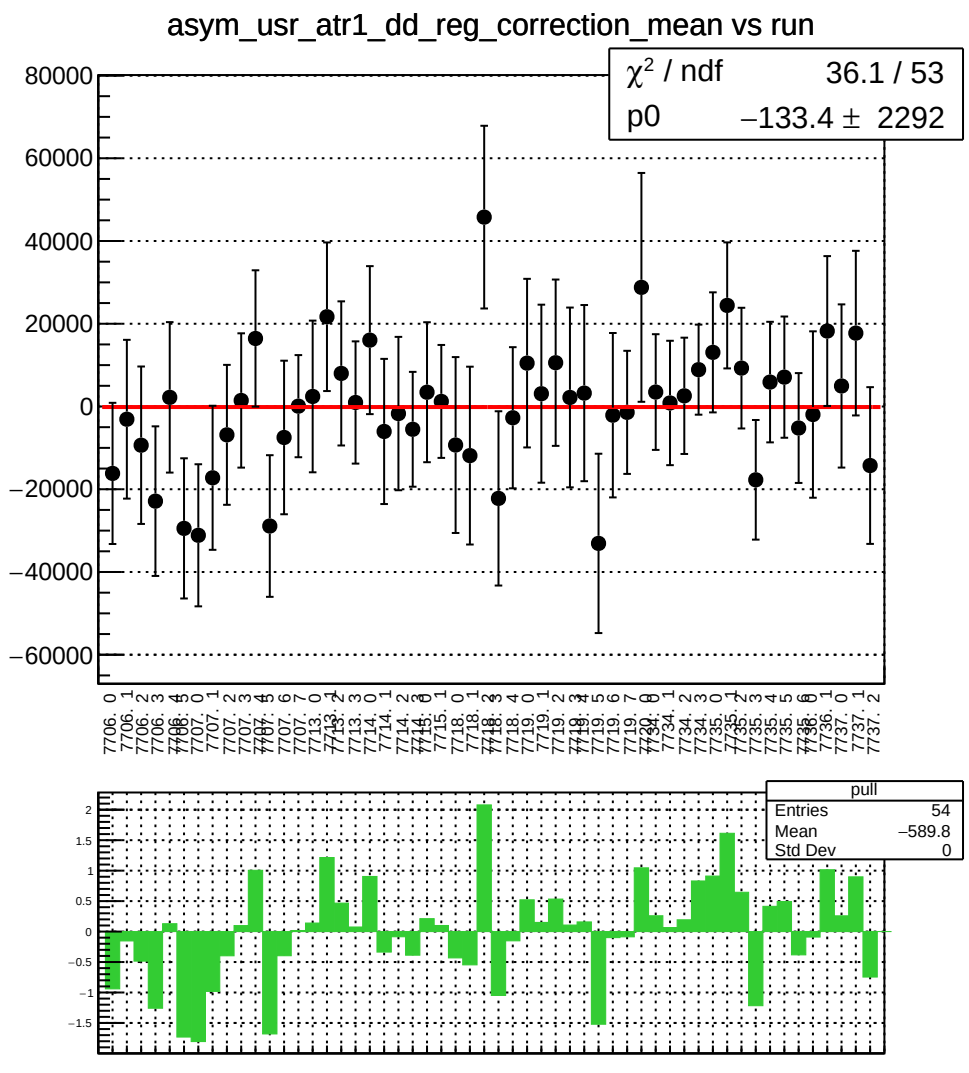

pull1D
Entries 54
Mean −0.0308
Std Dev 1.066

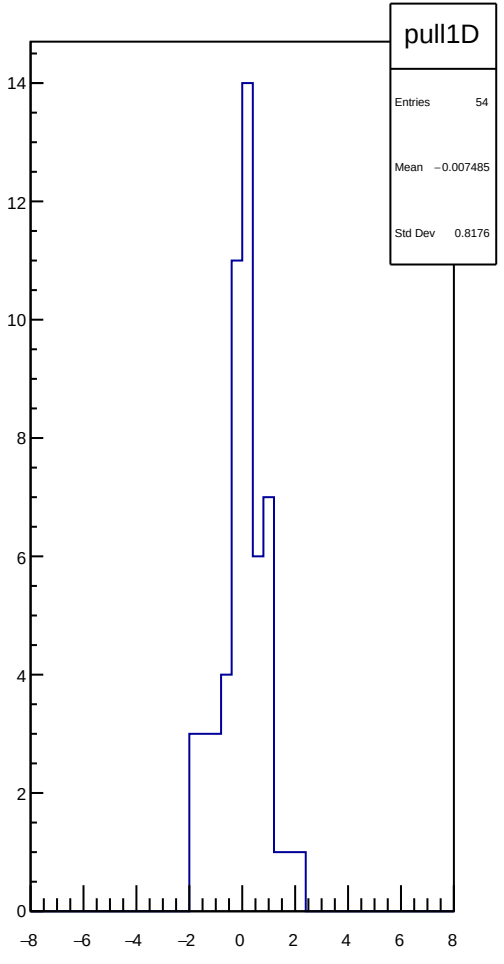

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.035e+05 / 53
p0 7.388e−11 ± 9.886e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

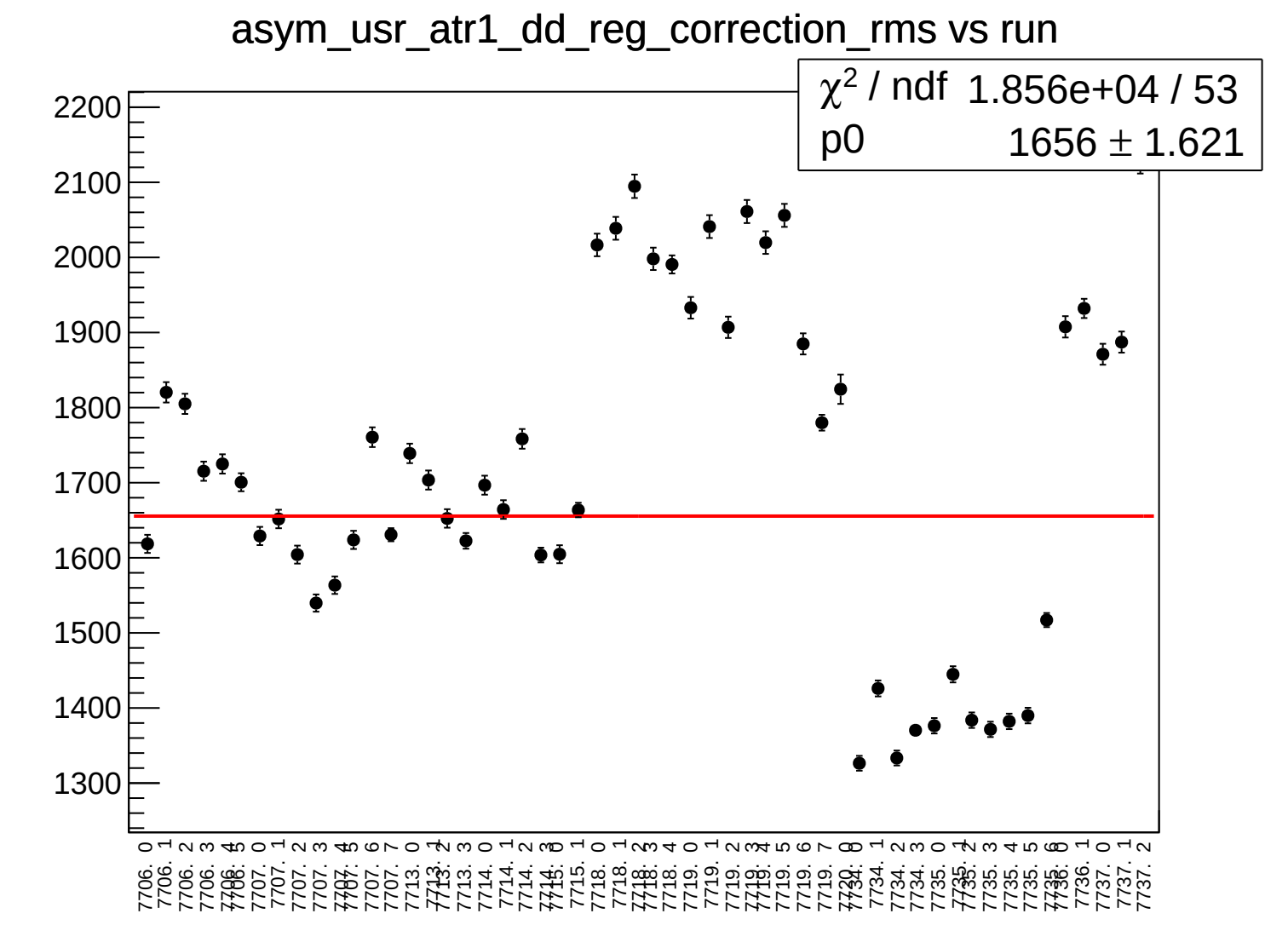

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.07 / 53
p0 −277.6 ± 1822
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −243.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

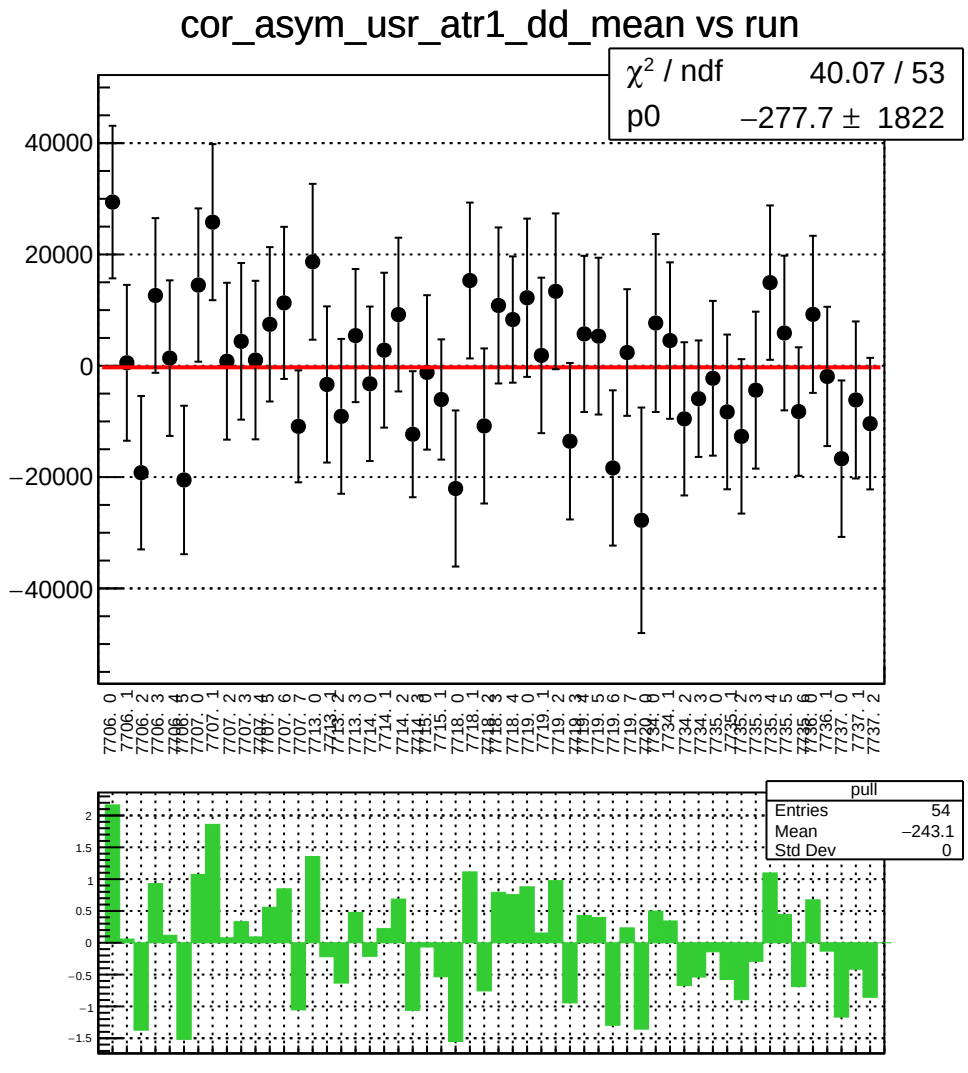

pull1D
Entries 54
Mean 0.01264
Std Dev 0.8613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

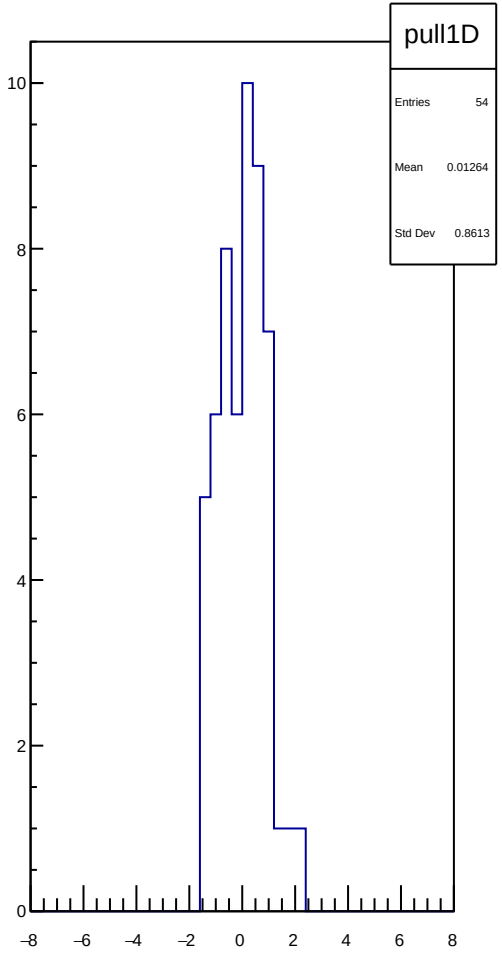

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 377.8 / 53
p0 1327 ± 1.288
1550
1500
1450
1400
1350
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

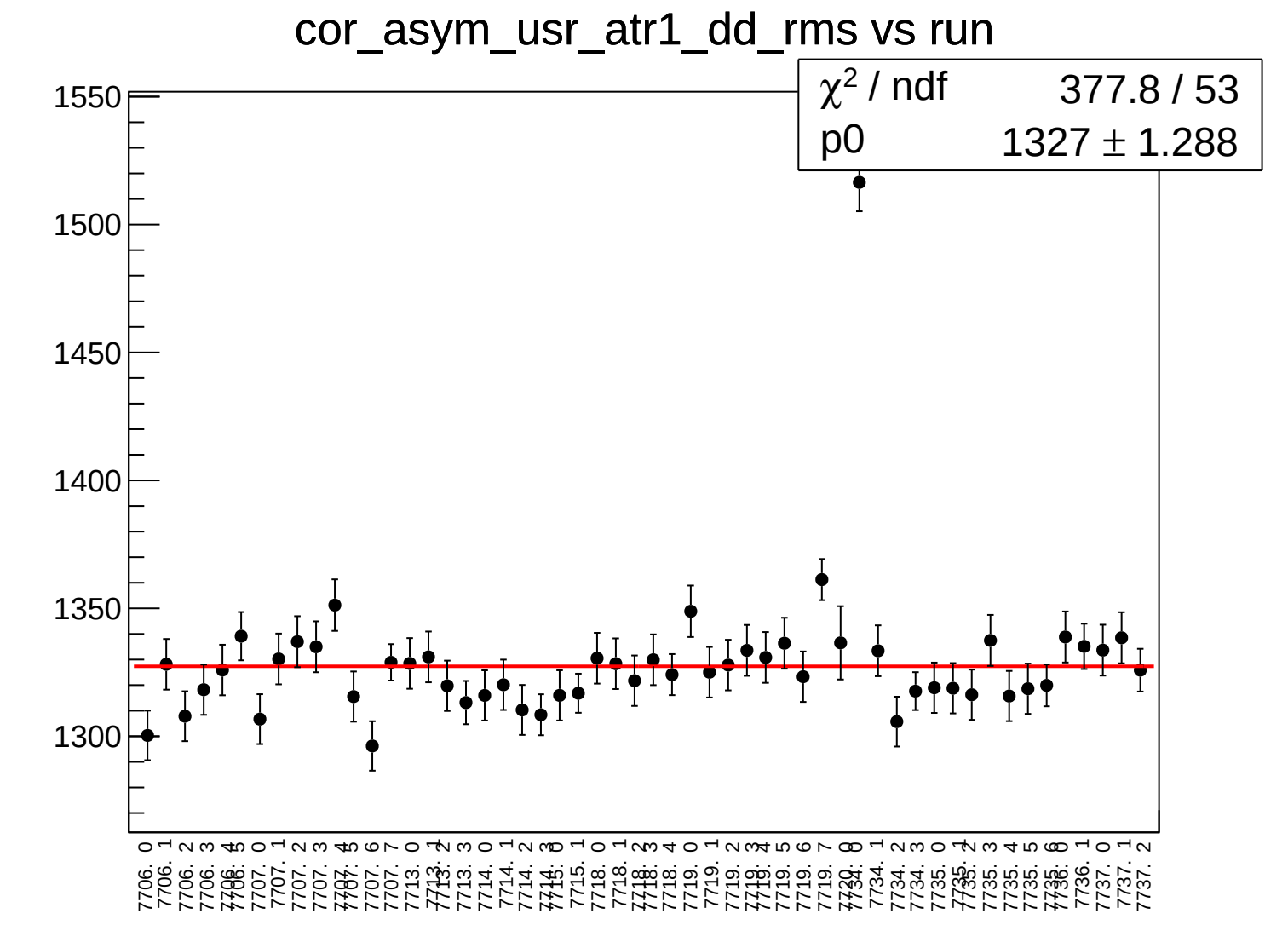

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 36.1 / 53
p0 −133.4 ± 2292
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −589.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

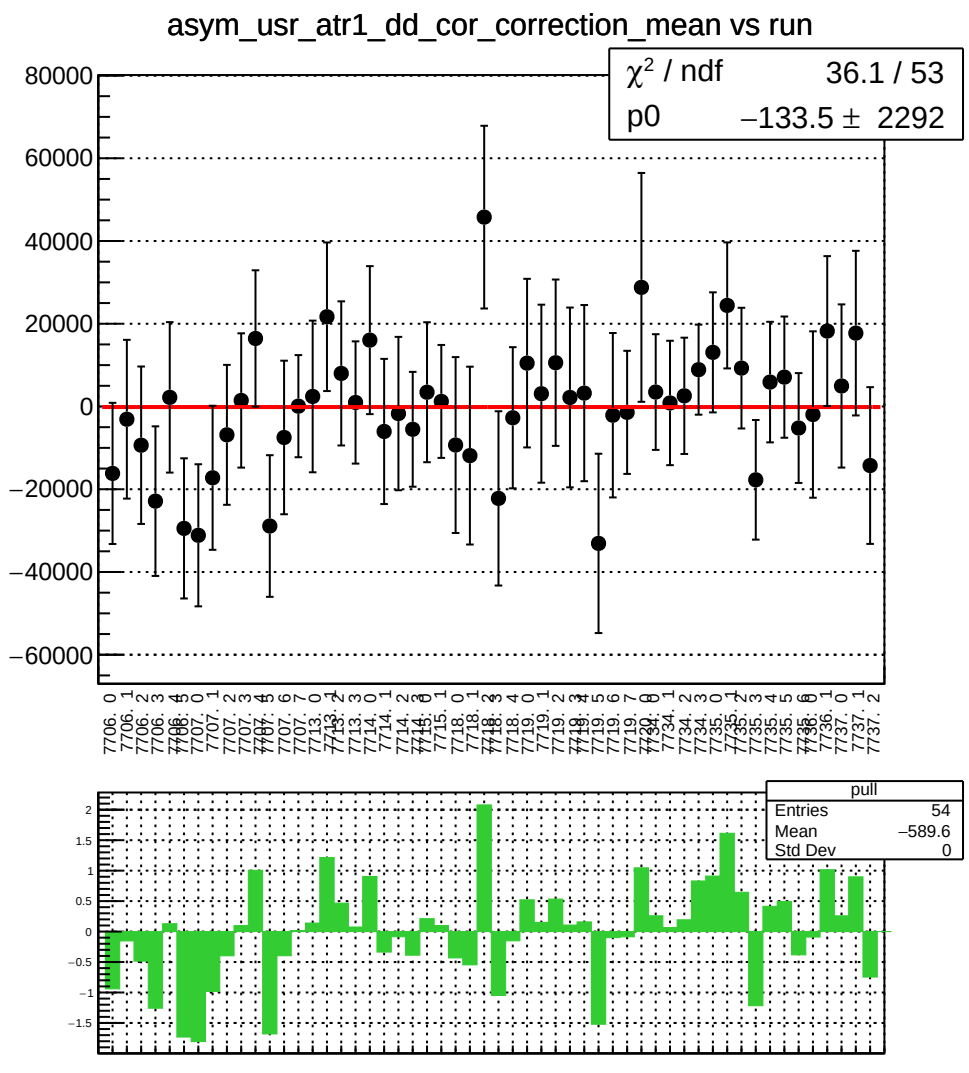

pull1D
Entries 54
Mean −0.007485
Std Dev 0.8176
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

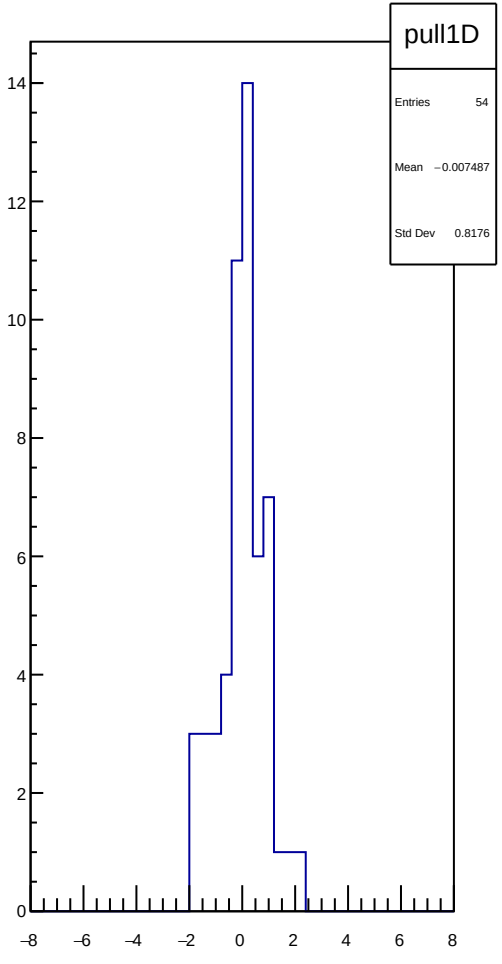

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 1.856e+04 / 53
p0 1656 ± 1.621
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

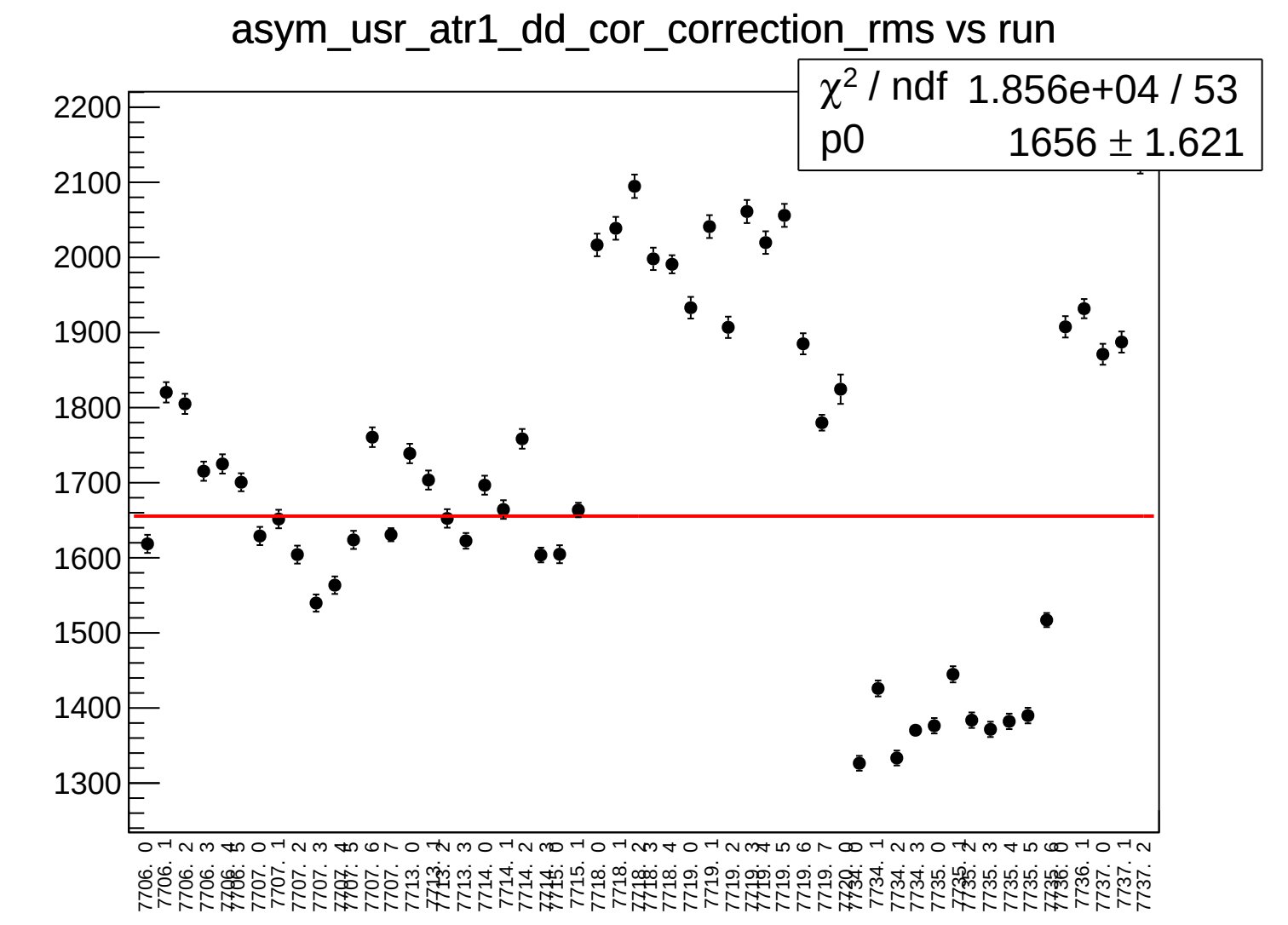

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.07 / 53
p0 −277.7 ± 1822
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −243.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

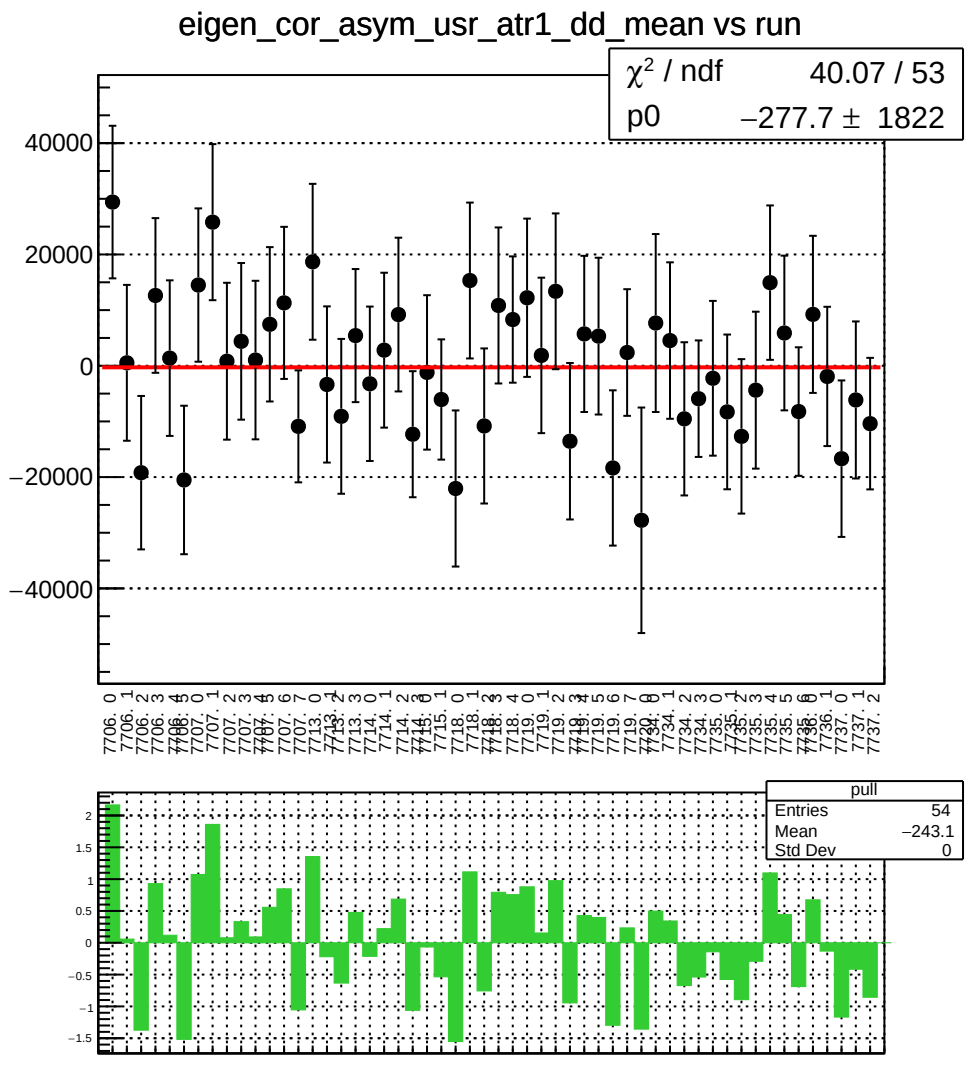

pull1D
Entries 54
Mean 0.01264
Std Dev 0.8613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

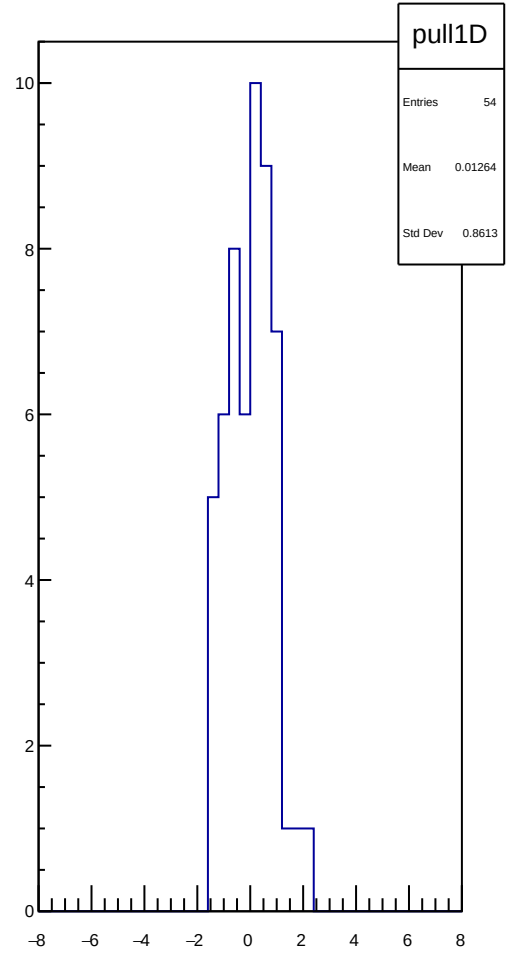

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 377.8 / 53
p0 1327 ± 1.288
1550
1500
1450
1400
1350
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

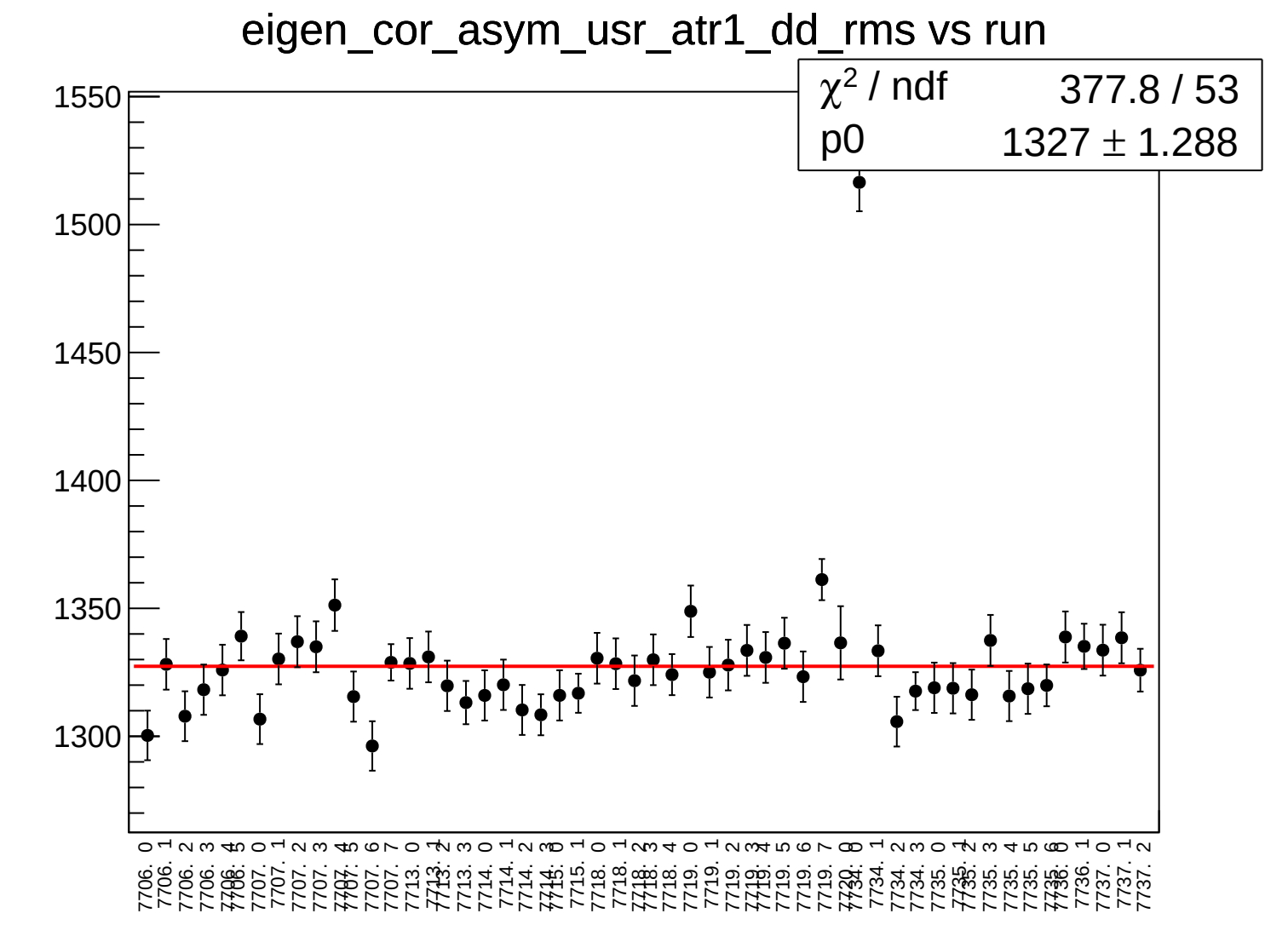

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 36.1 / 53
p0 −133.5 ± 2292
pull
Entries 54
Mean −589.6
Std Dev 0

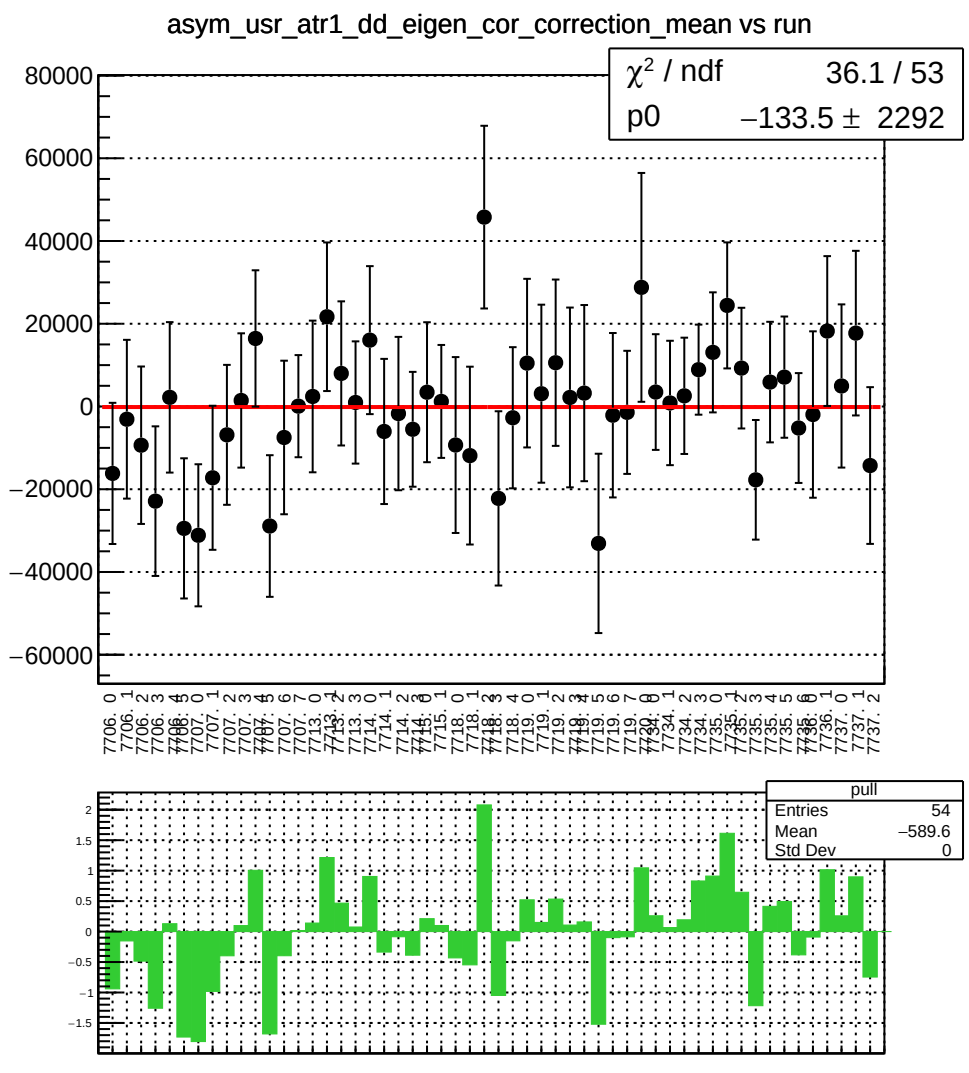

pull1D
Entries 54
Mean −0.007487
Std Dev 0.8176

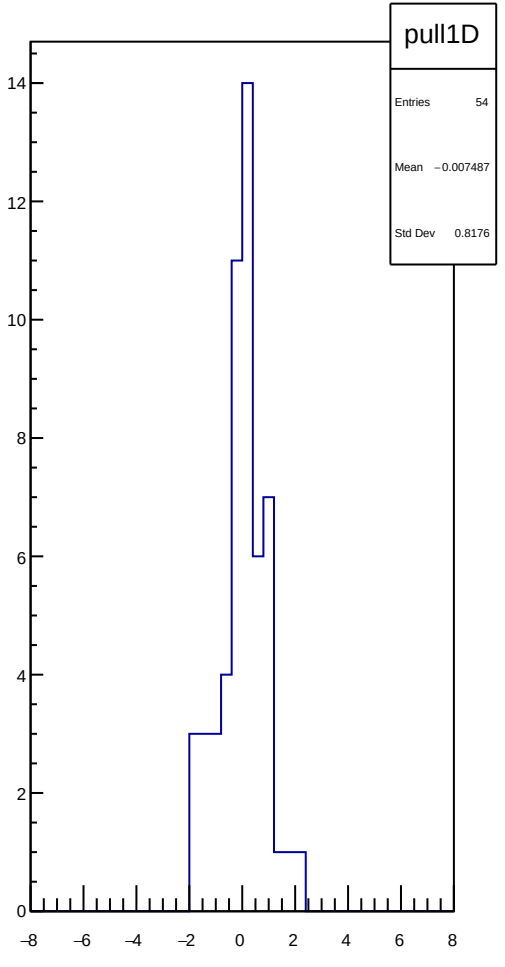

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 1.856e+04 / 53
p0 1656 ± 1.621
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

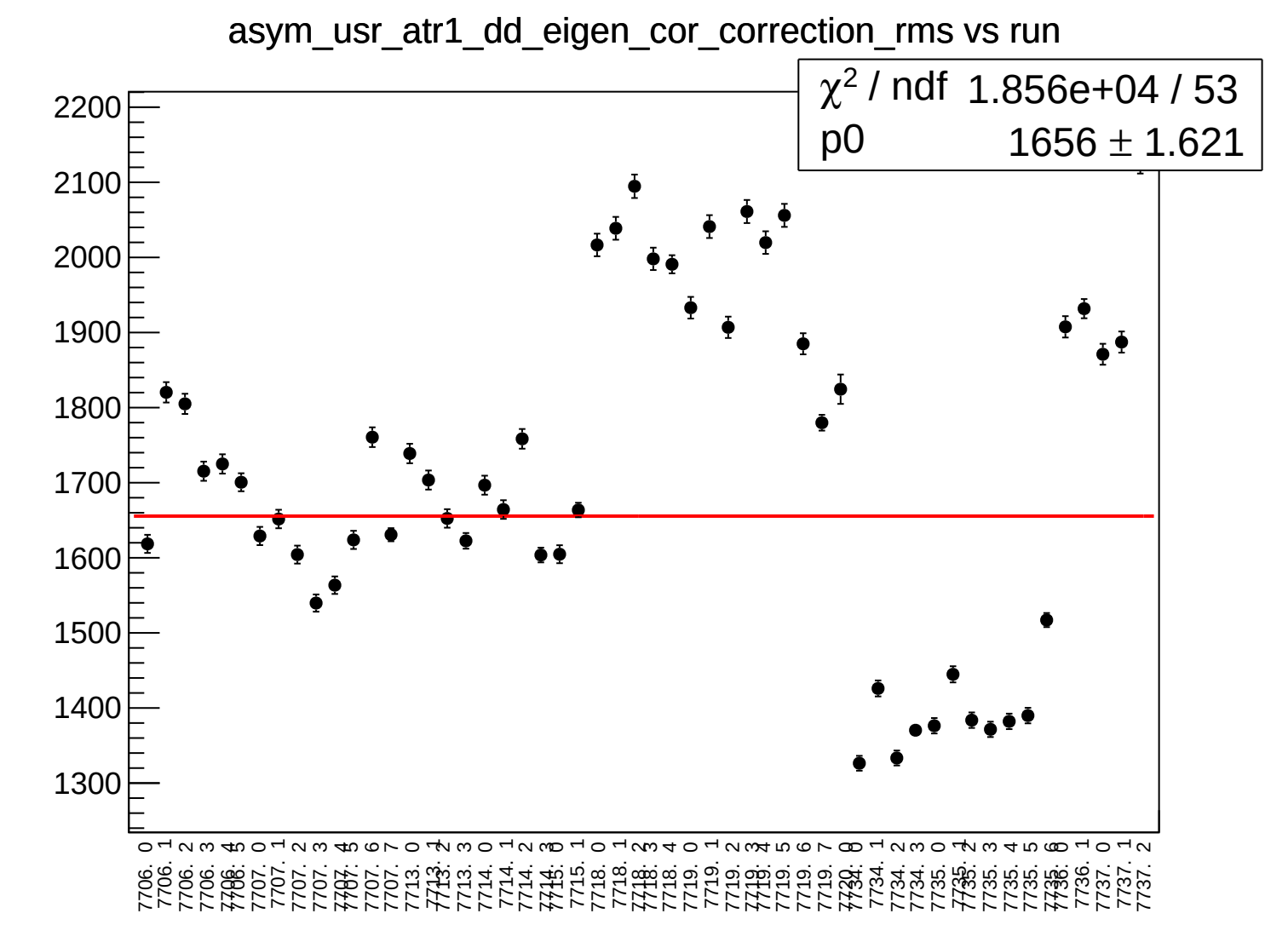

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.07 / 53
p0 −277.7 ± 1822
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −243.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

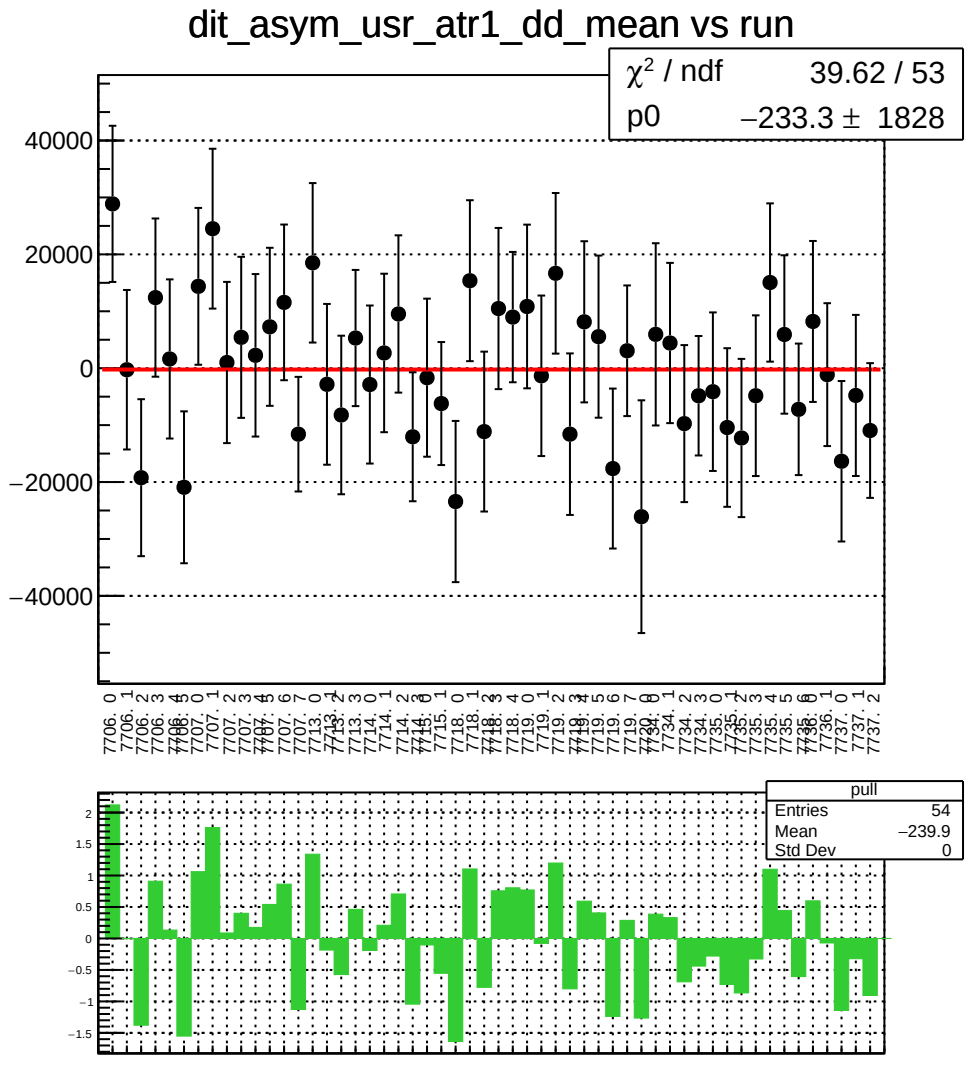

pull1D
Entries 54
Mean 0.01264
Std Dev 0.8613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

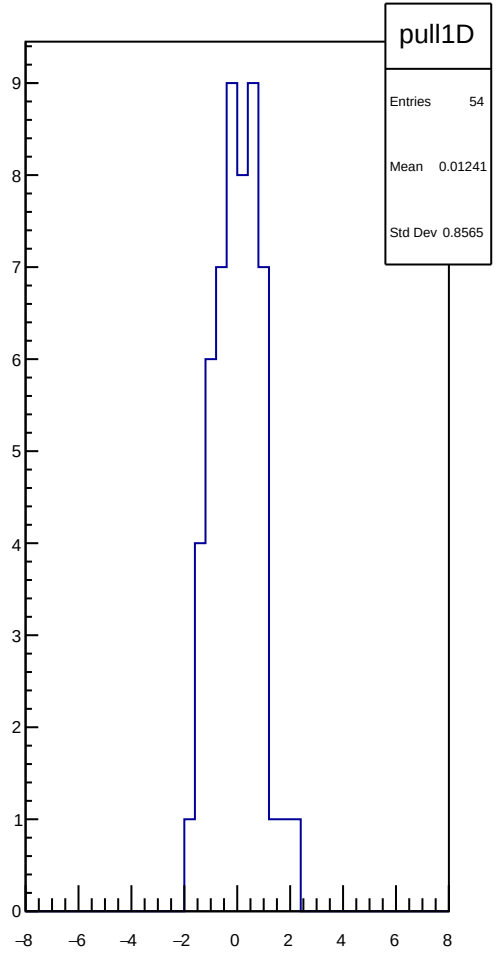

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 377.8 / 53
p0 1327 ± 1.288
1550
1500
1450
1400
1350
1300

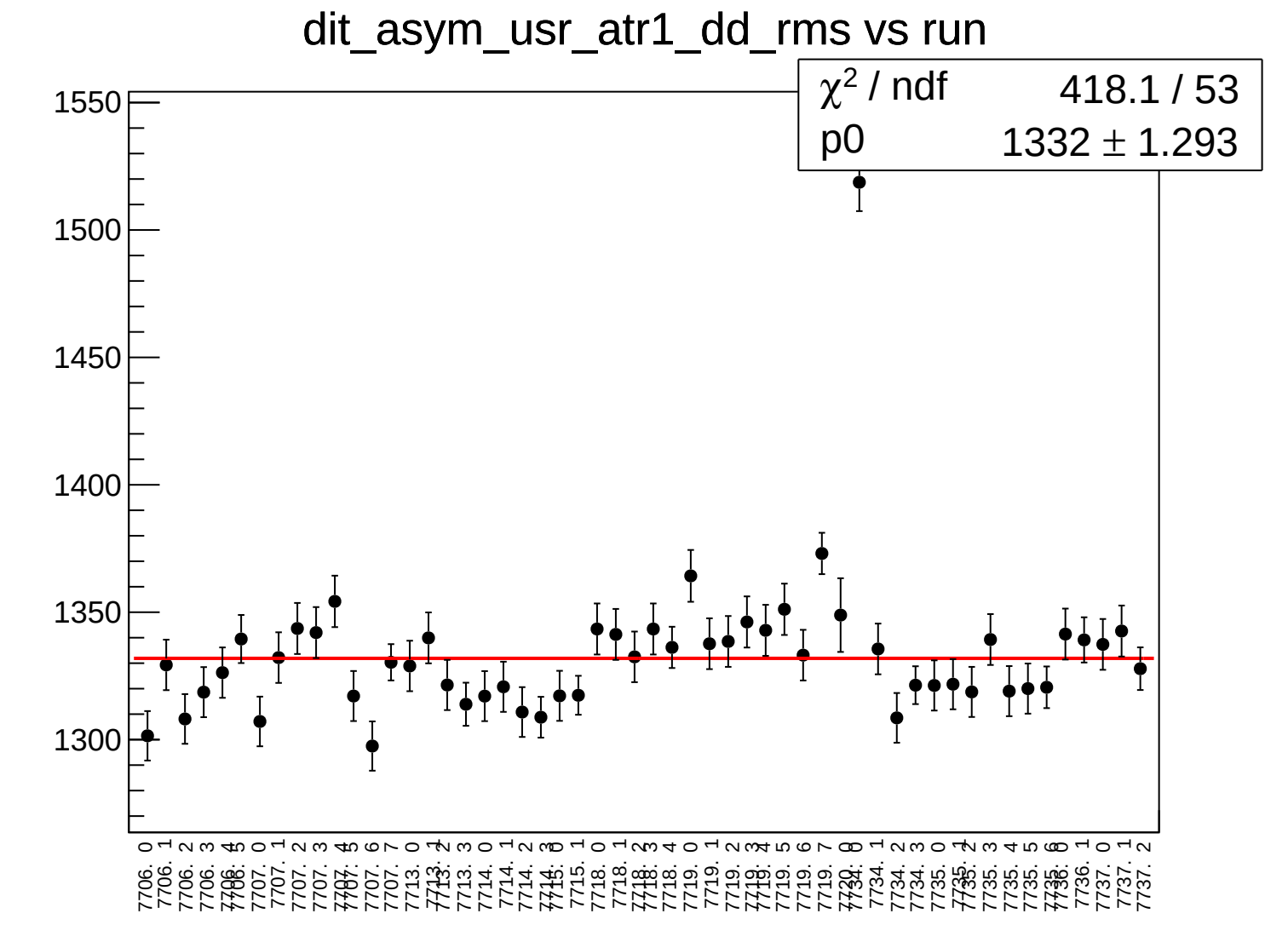

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 36.1 / 53
p0 −133.5 ± 2292
pull
Entries 54
Mean −589.6
Std Dev 0

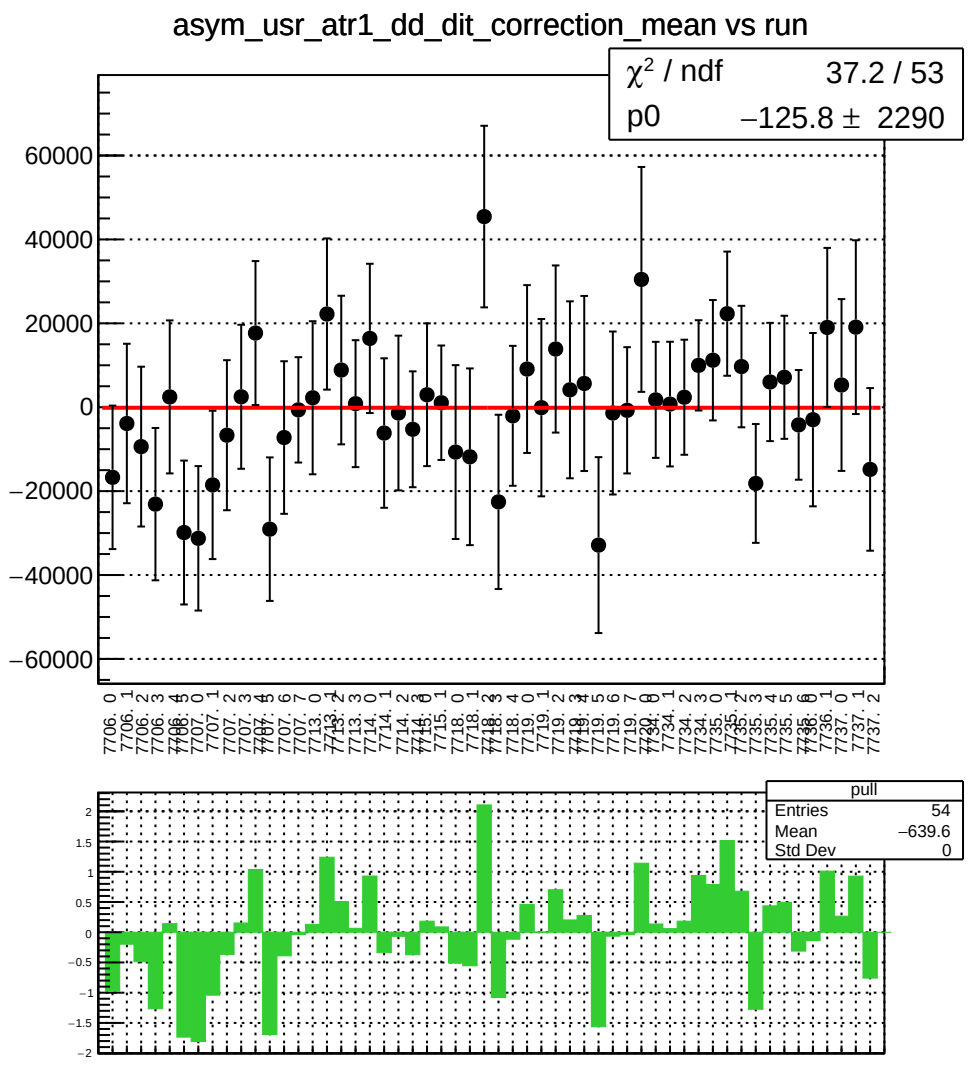

pull1D
Entries 54
Mean −0.007487
Std Dev 0.8176

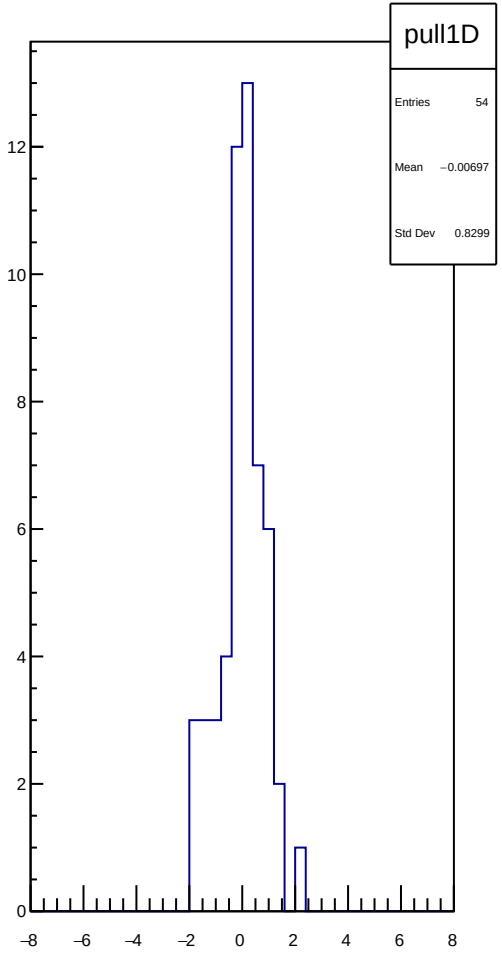

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.856e+04 / 53
p0 1656 ± 1.621
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

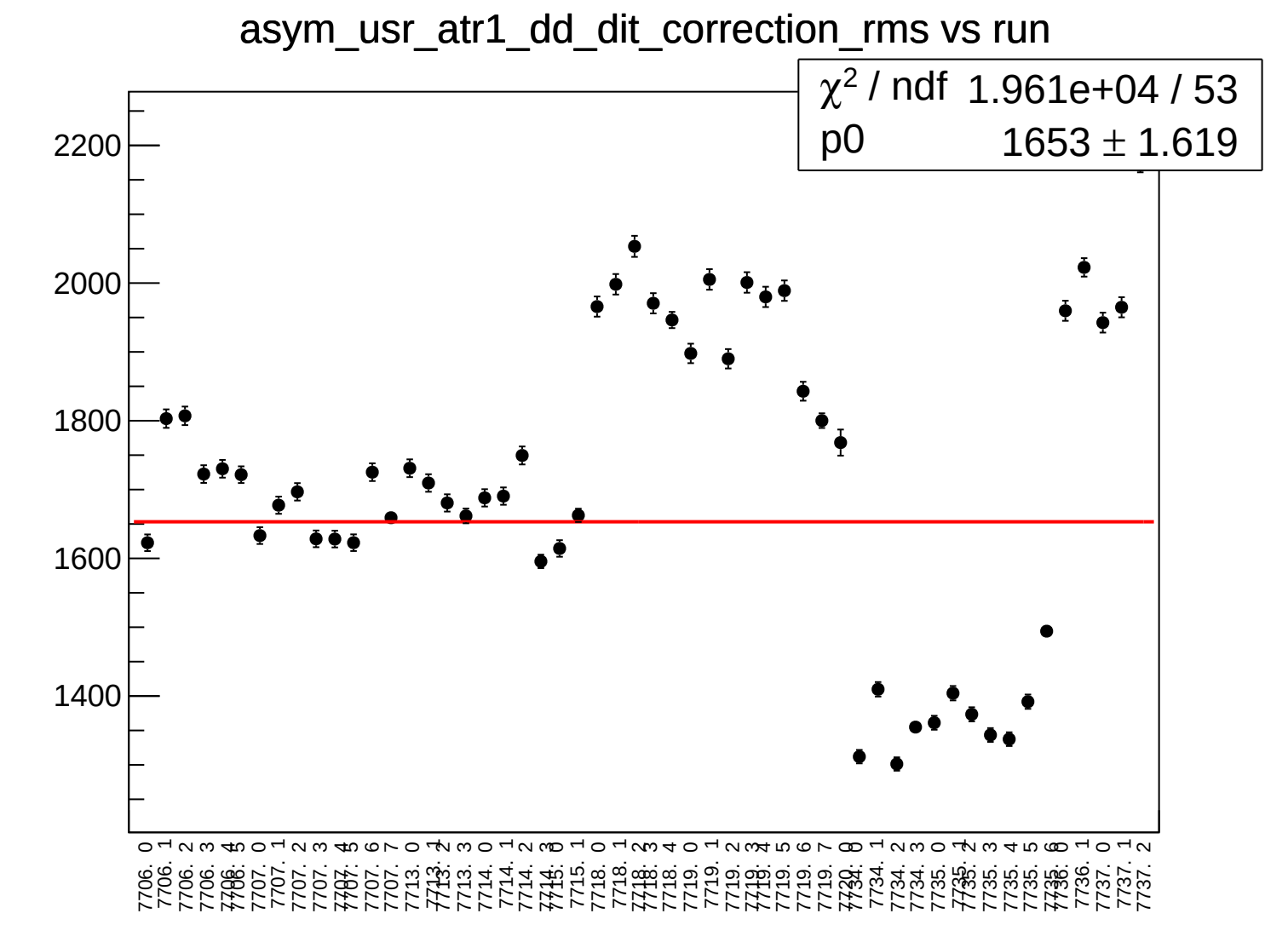

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 39.62 / 53
p0 −233.3 ± 1828
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −239.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

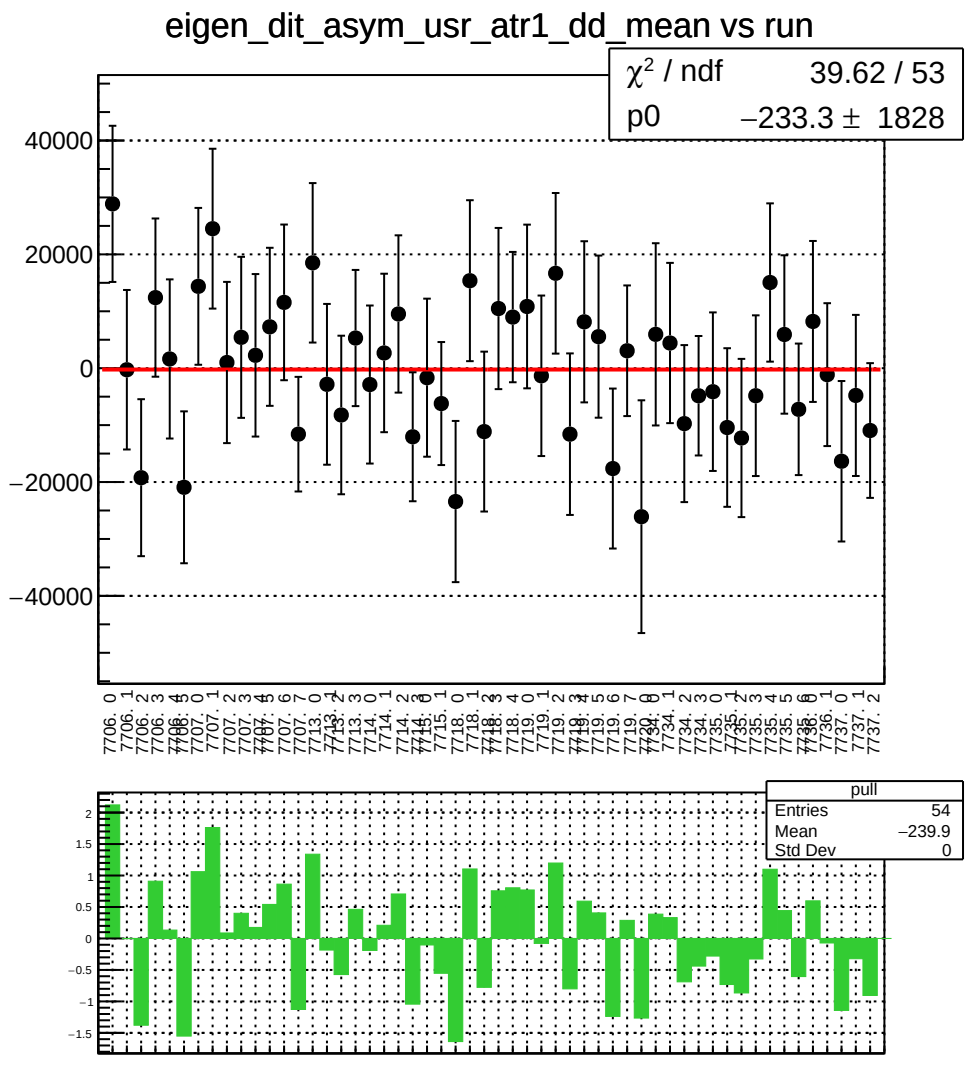

pull1D
Entries 54
Mean 0.01241
Std Dev 0.8565
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

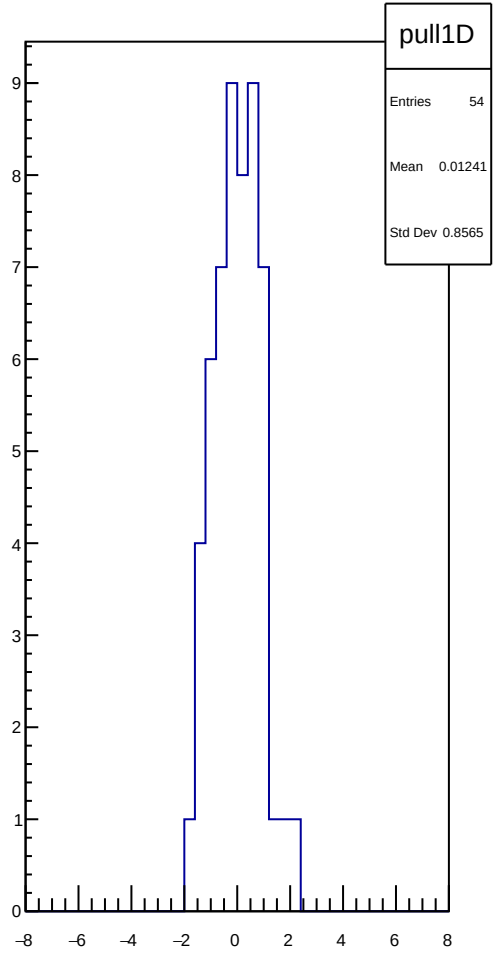

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 418.1 / 53
p0 1332 ± 1.293
1550
1500
1450
1400
1350
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

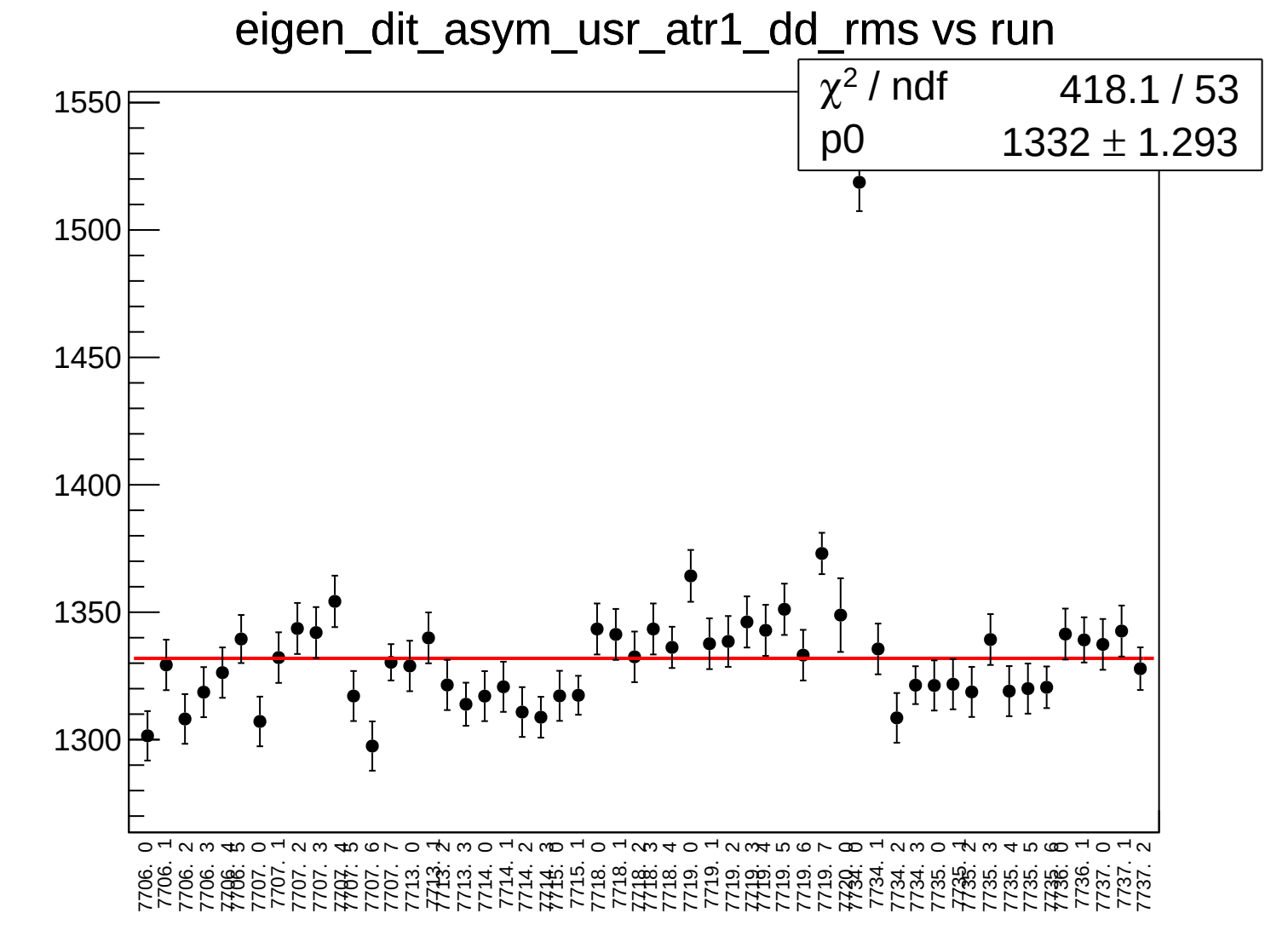

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 37.2 / 53
p0 −125.8 ± 2290
pull
Entries 54
Mean −639.6
Std Dev 0

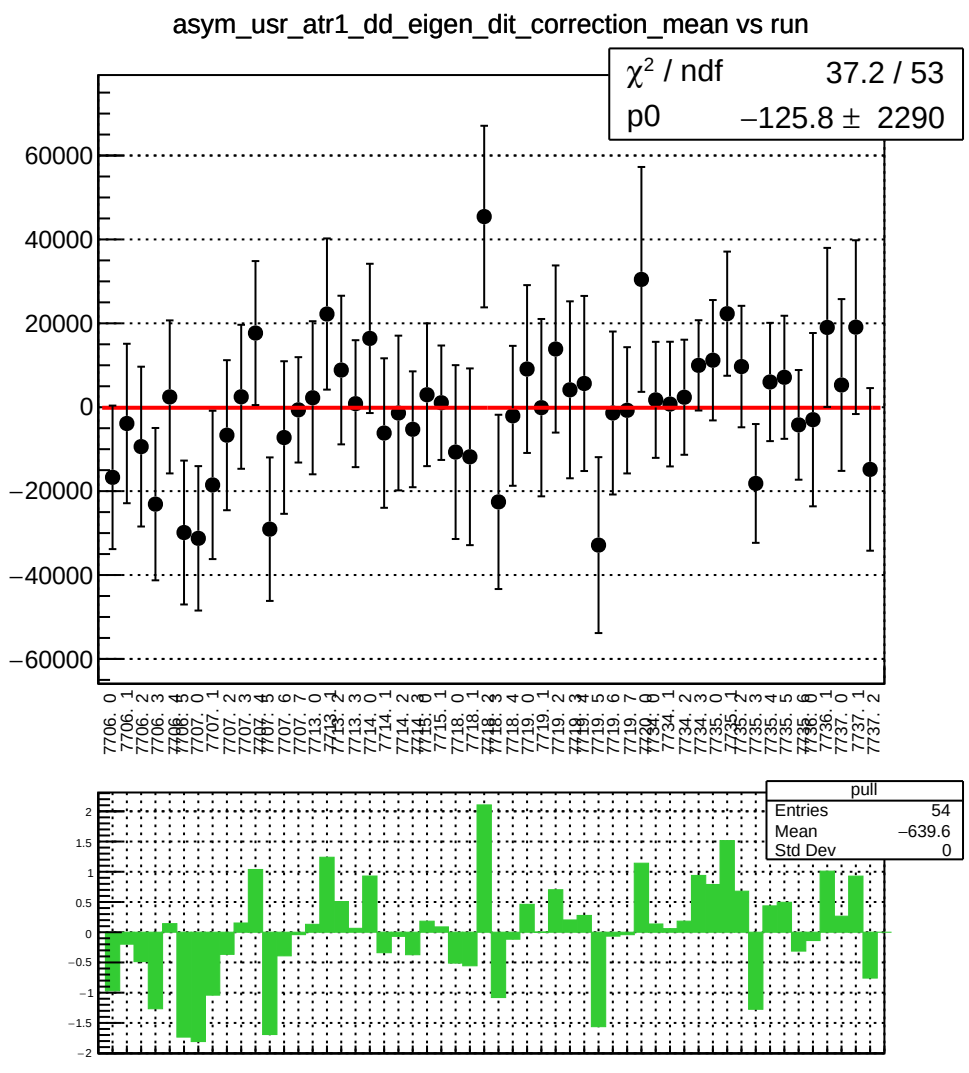

pull1D
Entries 54
Mean −0.00697
Std Dev 0.8299

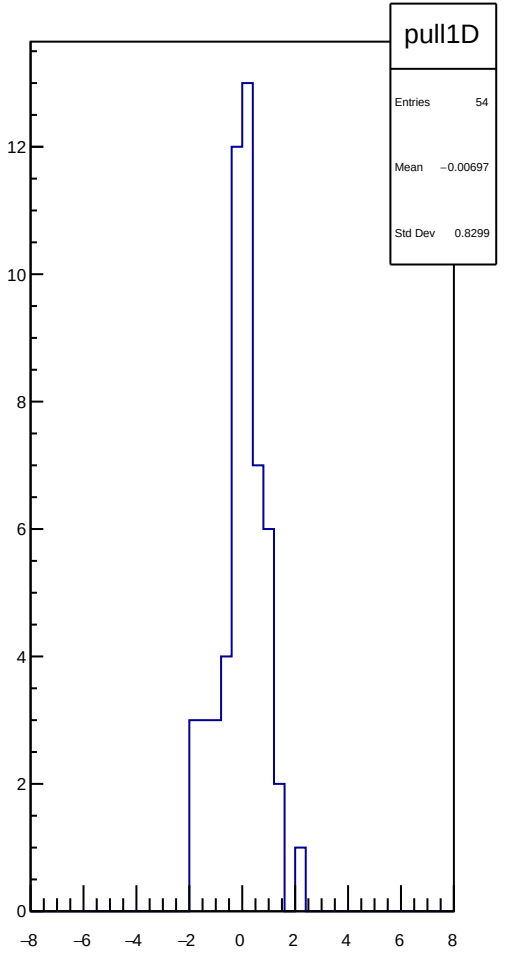

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 1.961e+04 / 53
p0 1653 ± 1.619
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

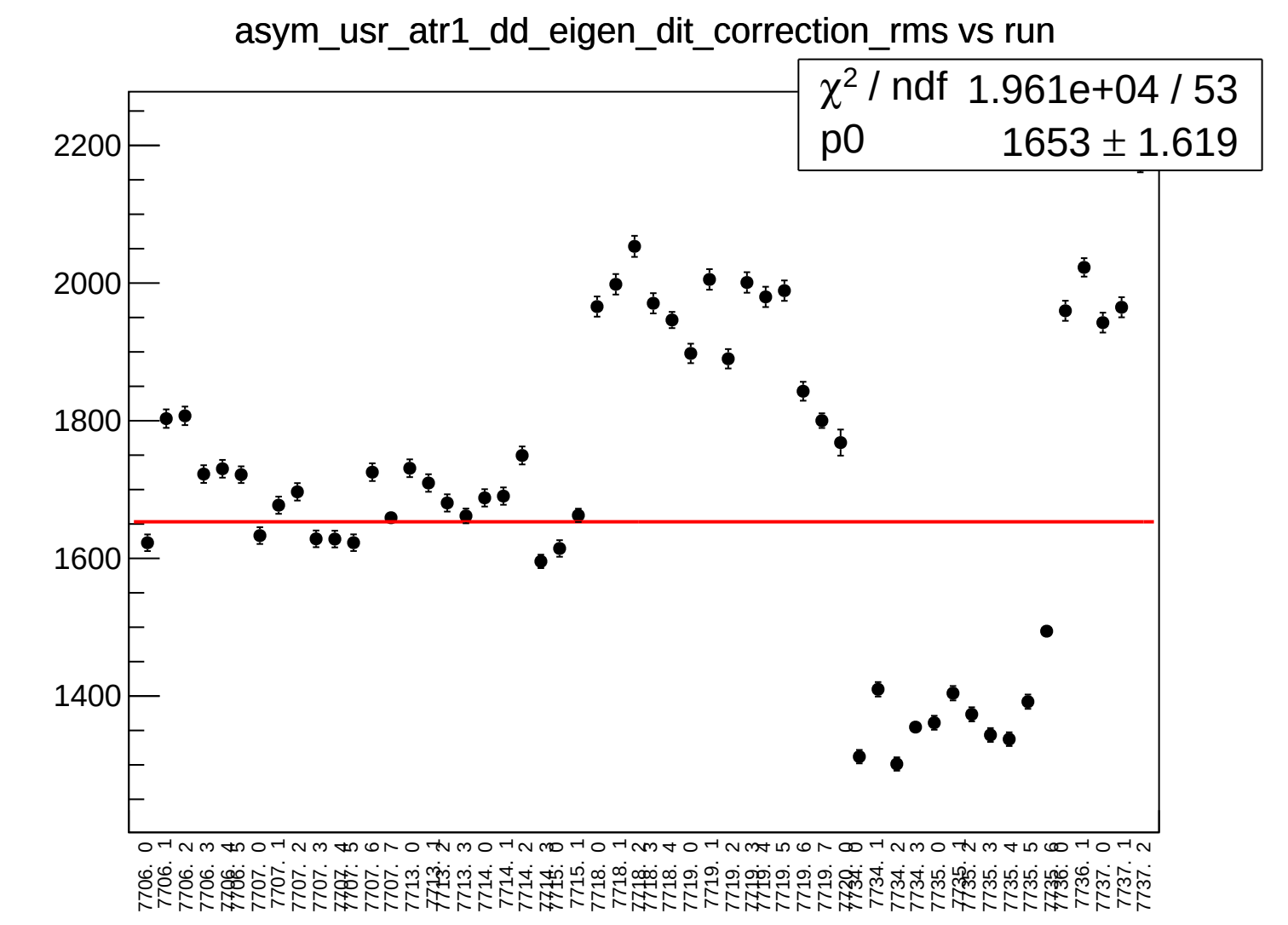

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 39.62 / 53
p0 −233.3 ± 1828
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −239.9
Std Dev 0

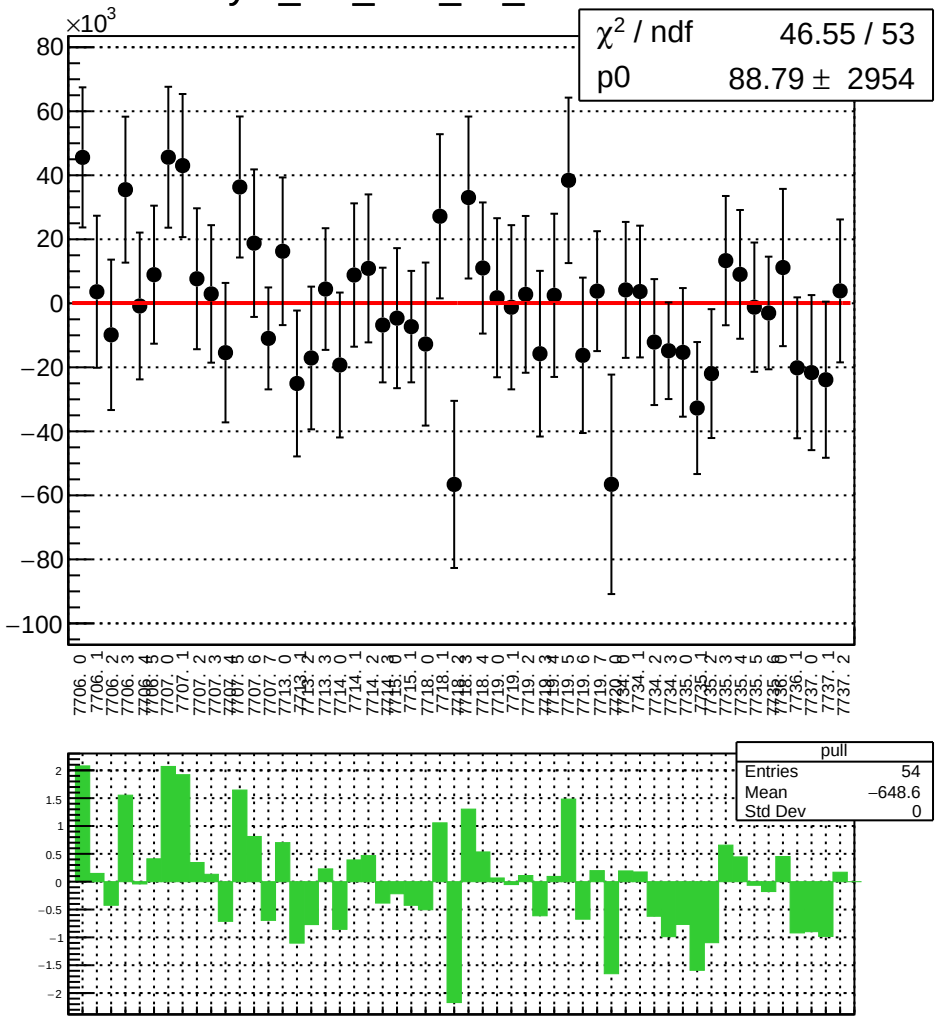

pull1D
Entries 54
Mean 0.01241
Std Dev 0.8565

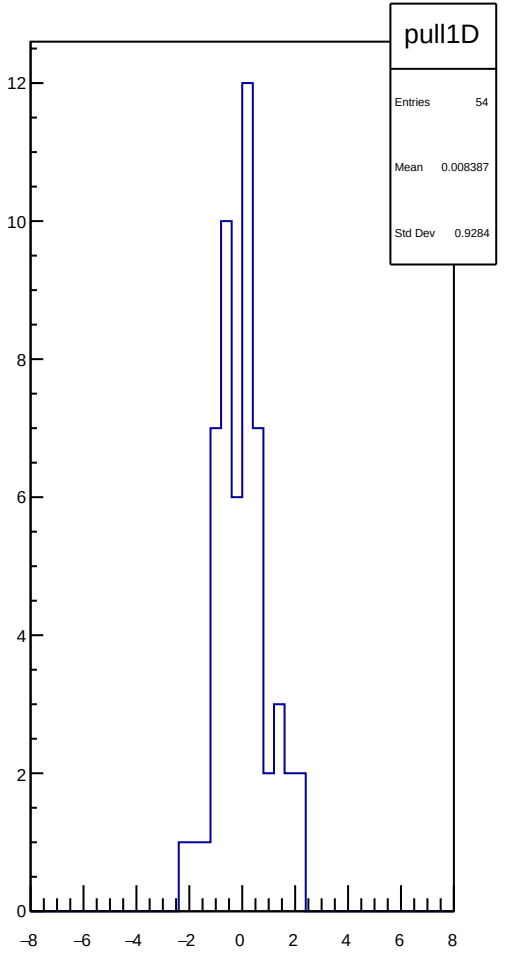

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 418.1 / 53
p0 1332 ± 1.293
1550
1500
1450
1400
1350
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

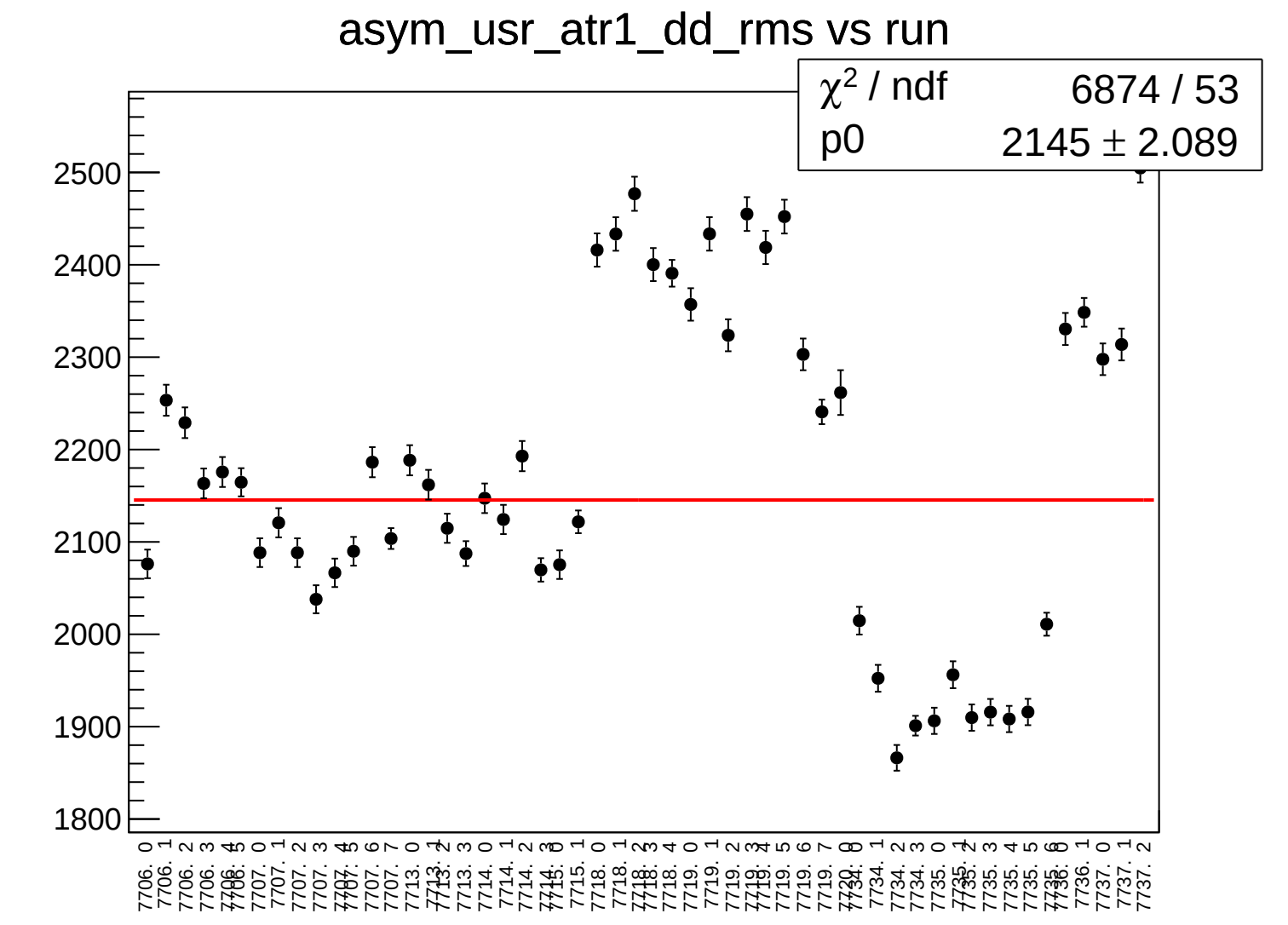

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.2 / 53
p0 −125.8 ± 2290
pull
Entries 54
Mean −639.6
Std Dev 0

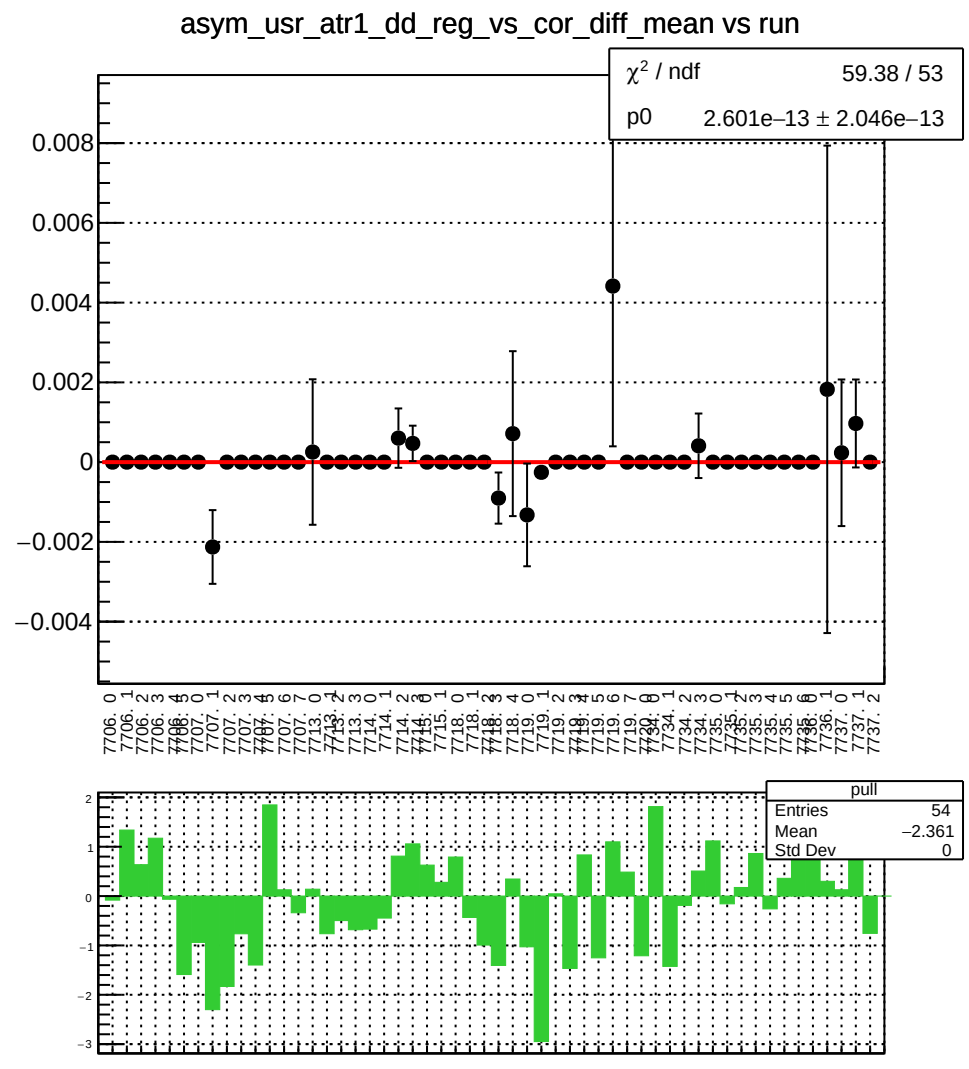

pull1D
Entries 54
Mean −0.00697
Std Dev 0.8299

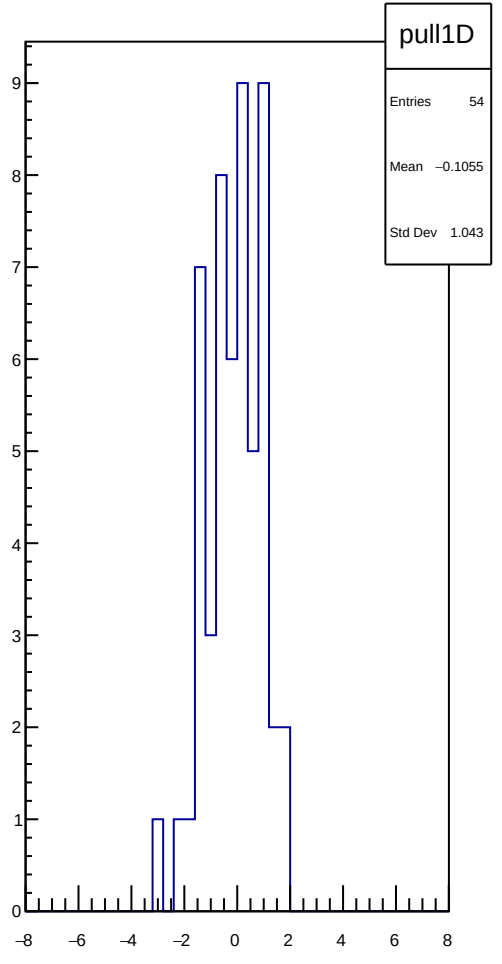

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.961e+04 / 53
p0 1653 ± 1.619
2200
2000
1800
1600
1400

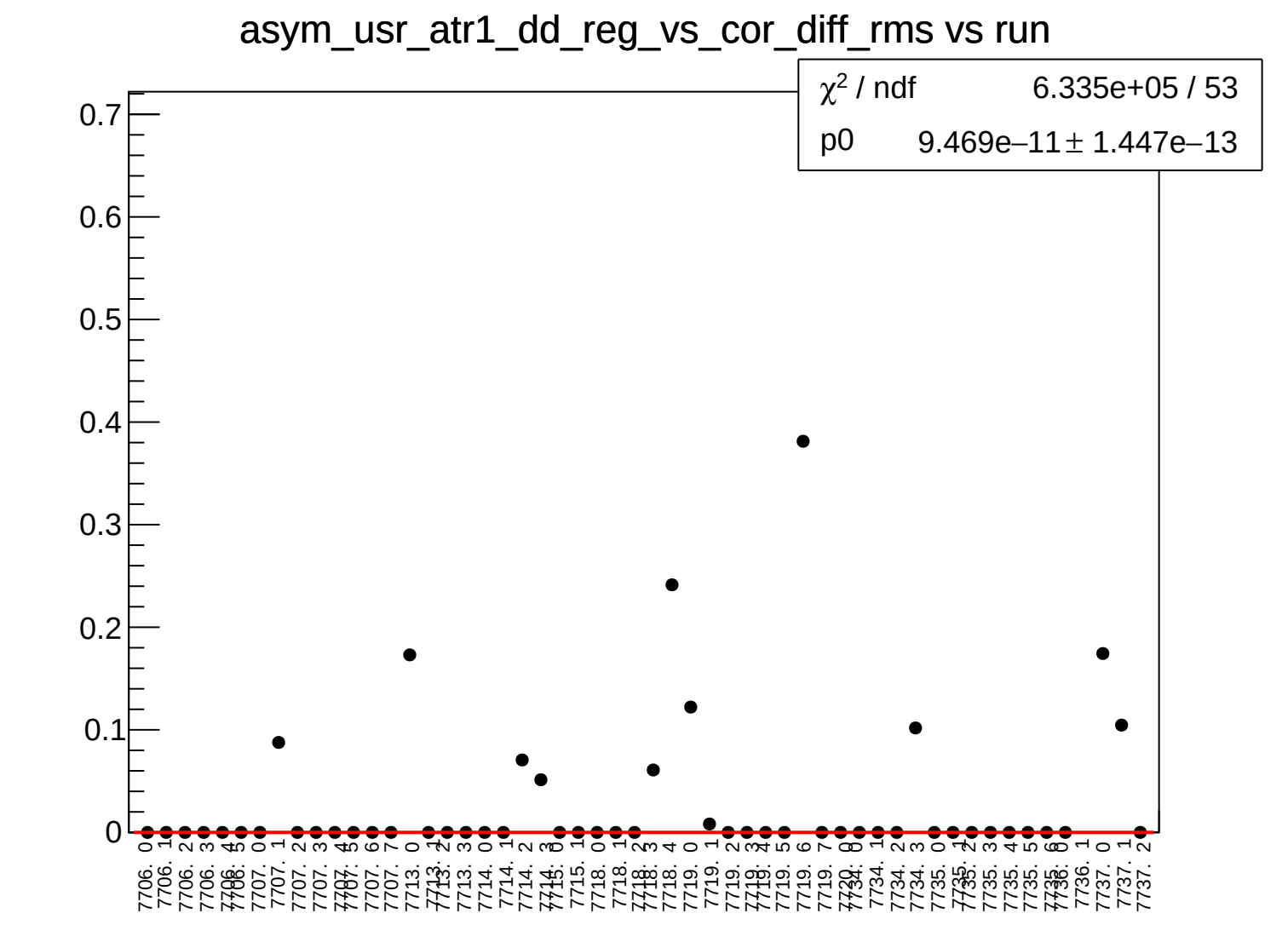

asym_usr_atr1_dd_mean vs run
×10^3
χ² / ndf 46.55 / 53
p0 88.79 ± 2954
pull
Entries 54
Mean −648.6
Std Dev 0

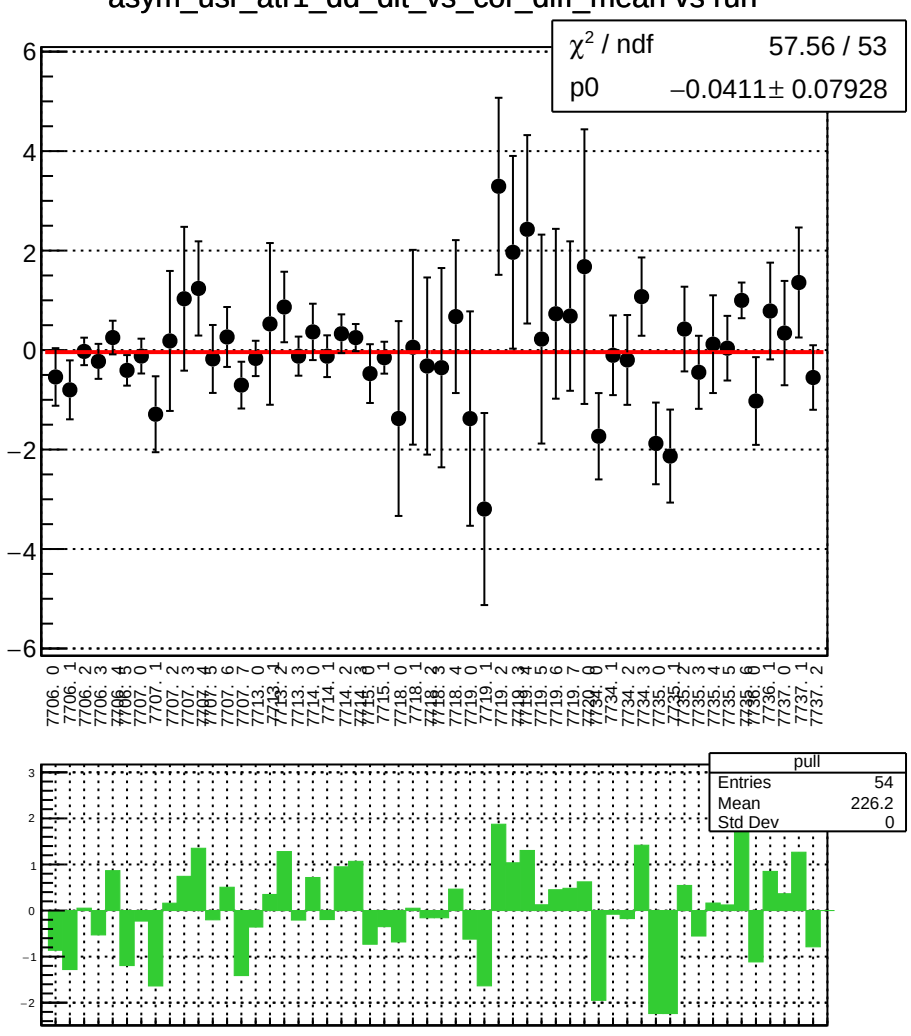

pull1D
Entries 54
Mean 0.008387
Std Dev 0.9284

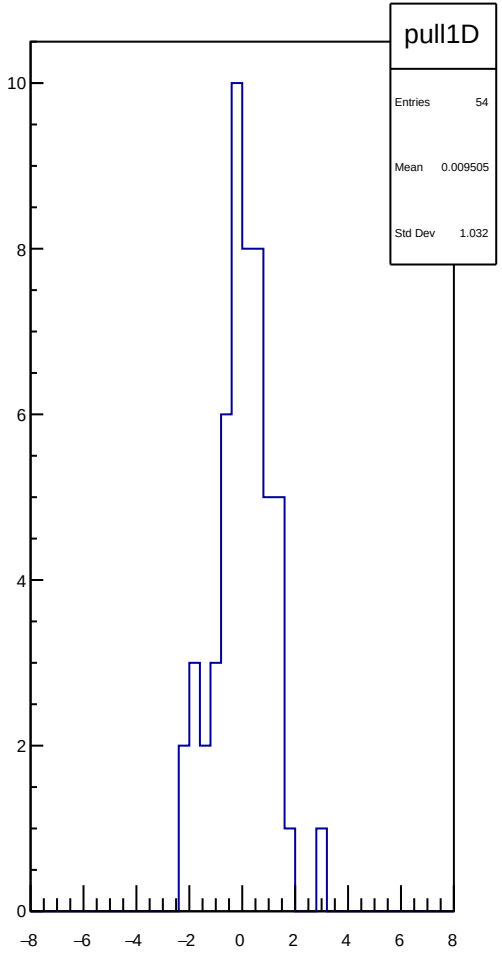

asym_usr_atr1_dd_rms vs run
χ² / ndf 6874 / 53
p0 2145 ± 2.089
2500
2400
2300
2200
2100
2000
1900
1800

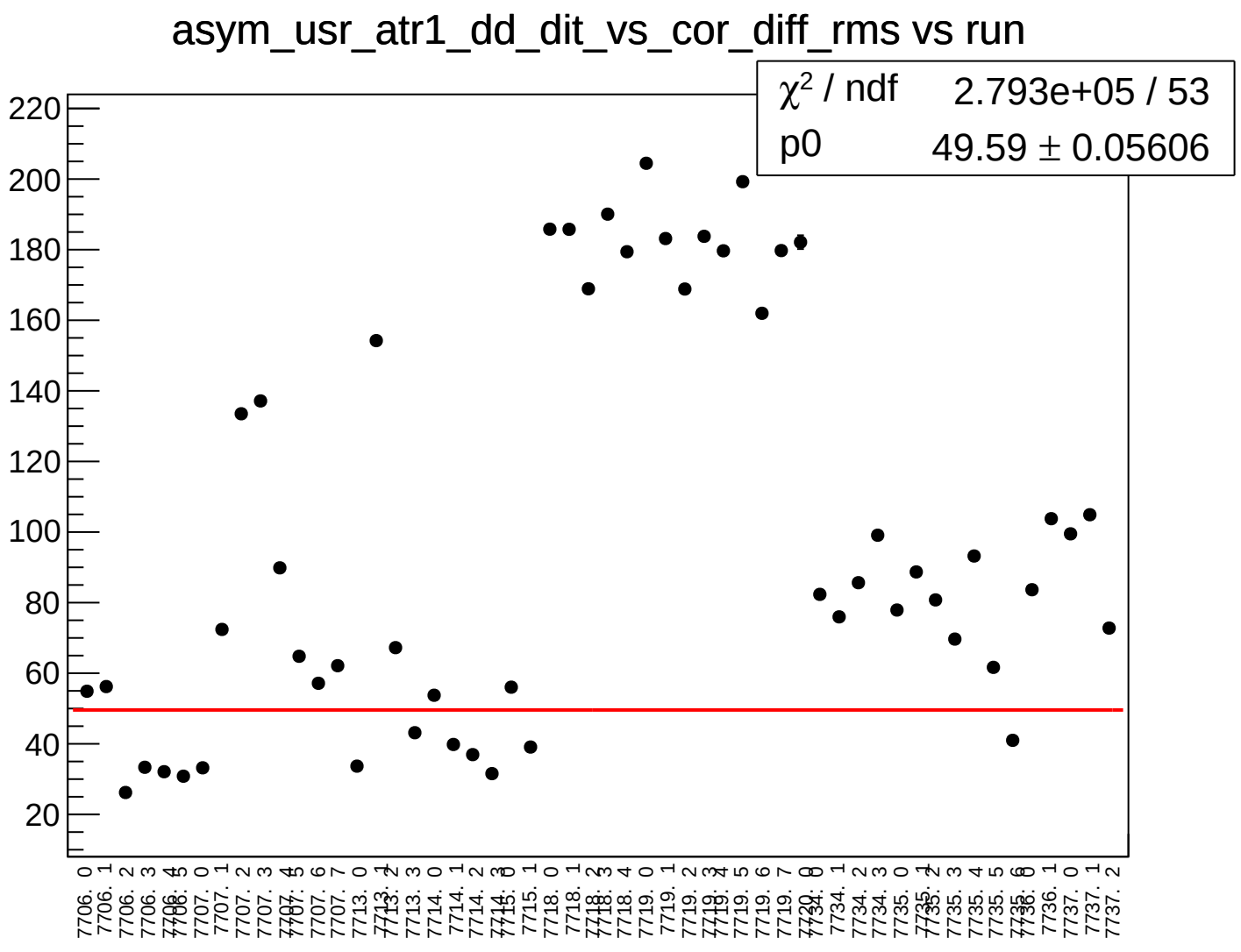

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.38 / 53
p0 2.601e−13 ± 2.046e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
pull
Entries 54
Mean −2.361
Std Dev 0

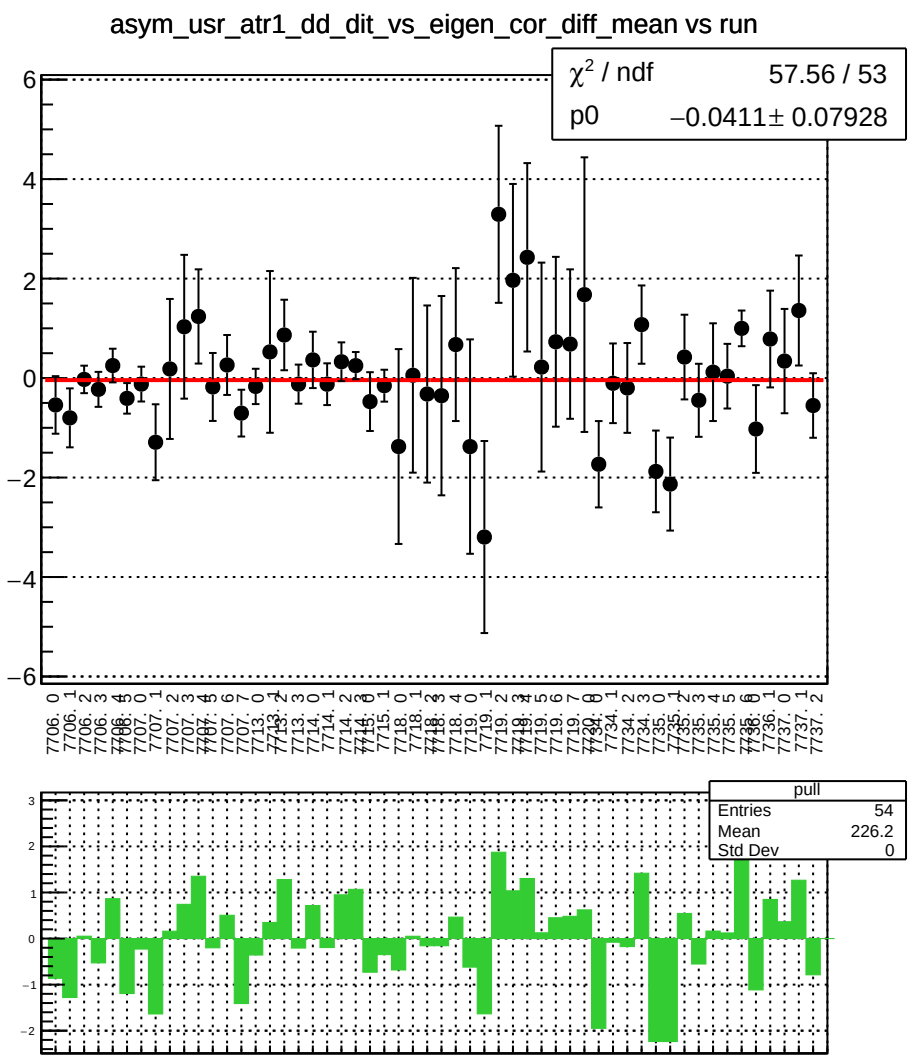

pull1D
Entries 54
Mean −0.1055
Std Dev 1.043

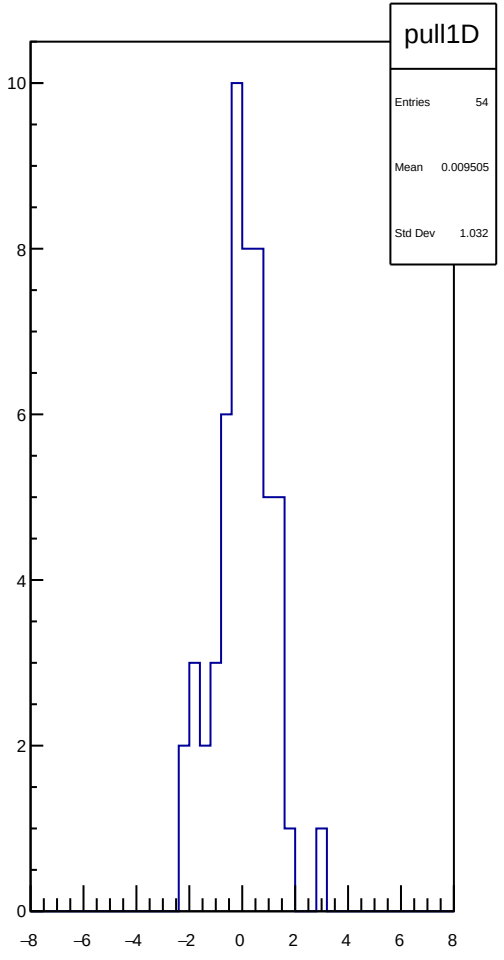

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.335e+05 / 53
p0 9.469e−11 ± 1.447e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

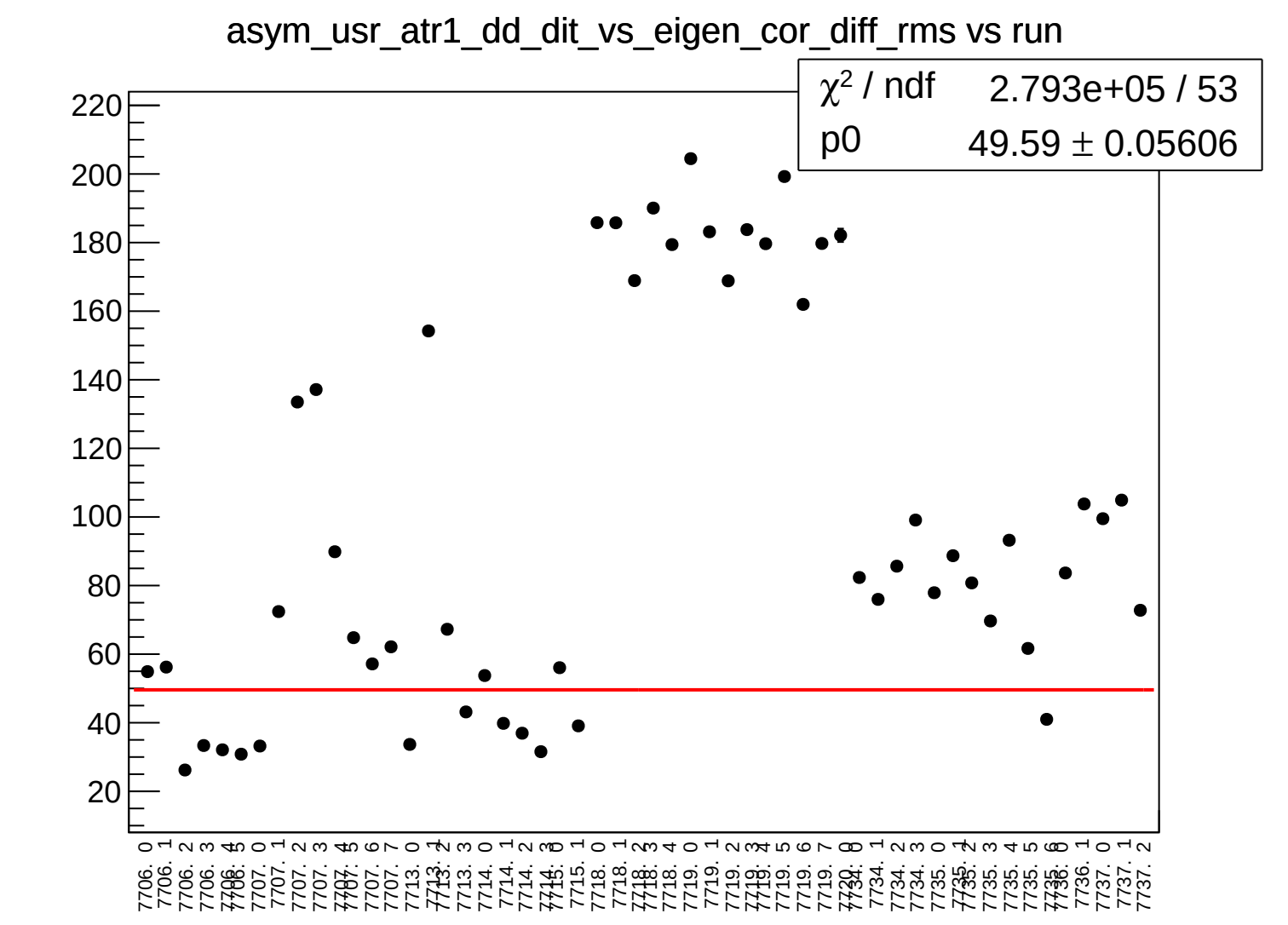

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.56 / 53
p0 −0.0411± 0.07928
pull
Entries 54
Mean 226.2
Std Dev 0

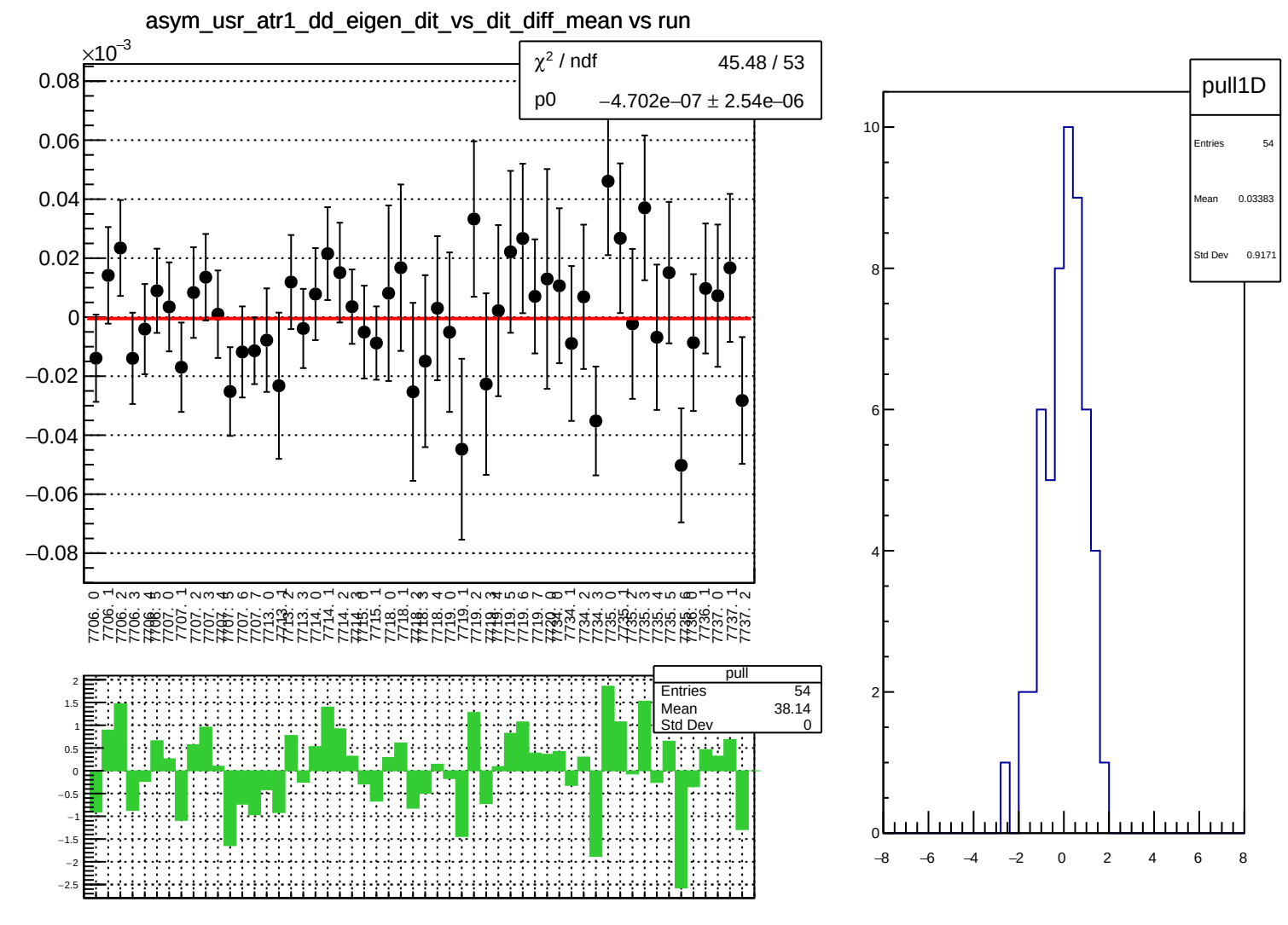

pull1D
Entries 54
Mean 0.009505
Std Dev 1.032

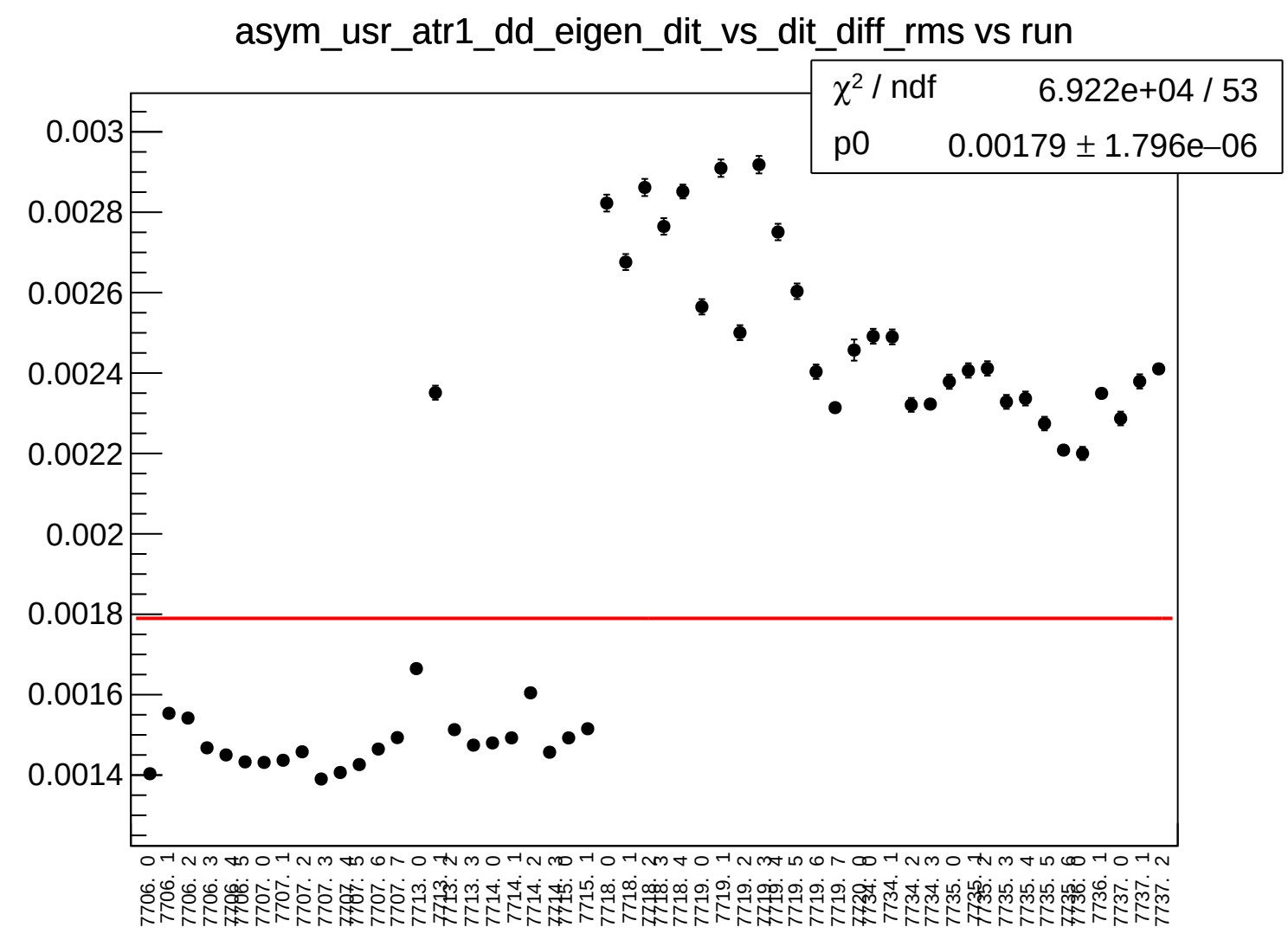

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.793e+05 / 53
p0 49.59 ± 0.05606
220
200
180
160
140
120
100
80
60
40
20

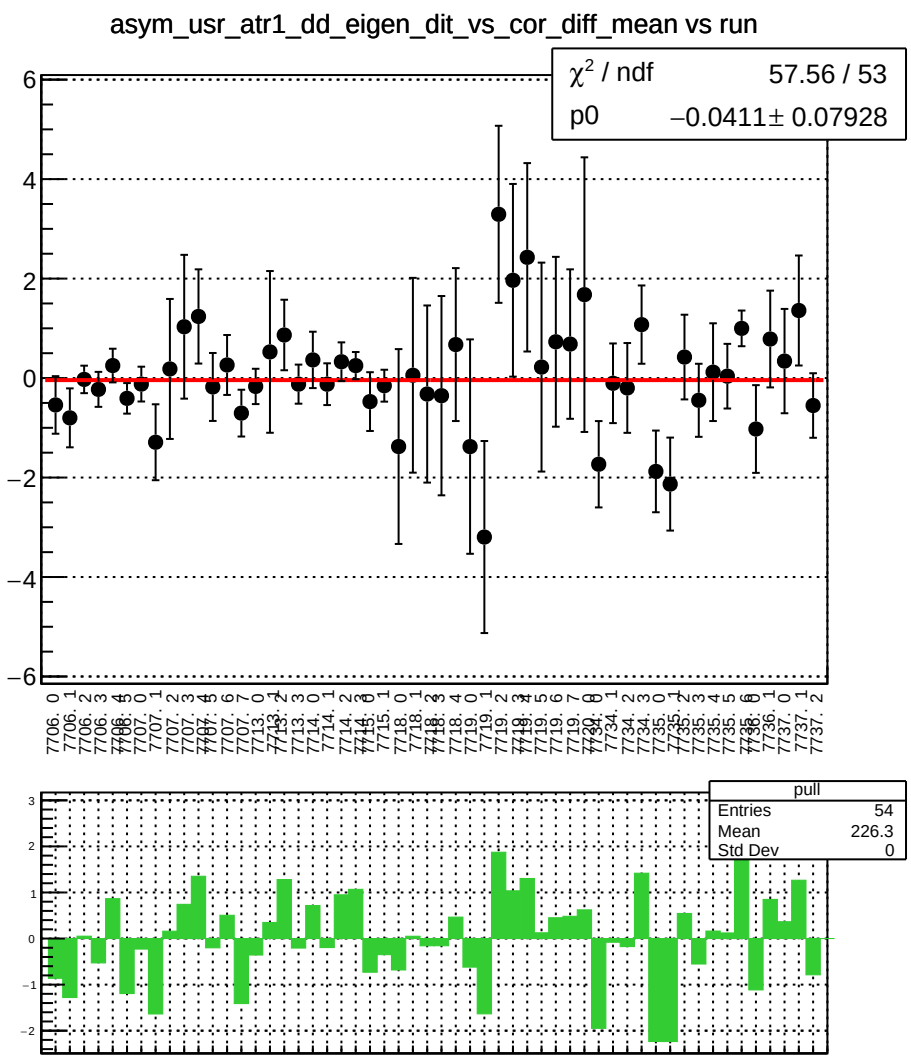

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.56 / 53
p0 −0.0411± 0.07928
pull
Entries 54
Mean 226.2
Std Dev 0

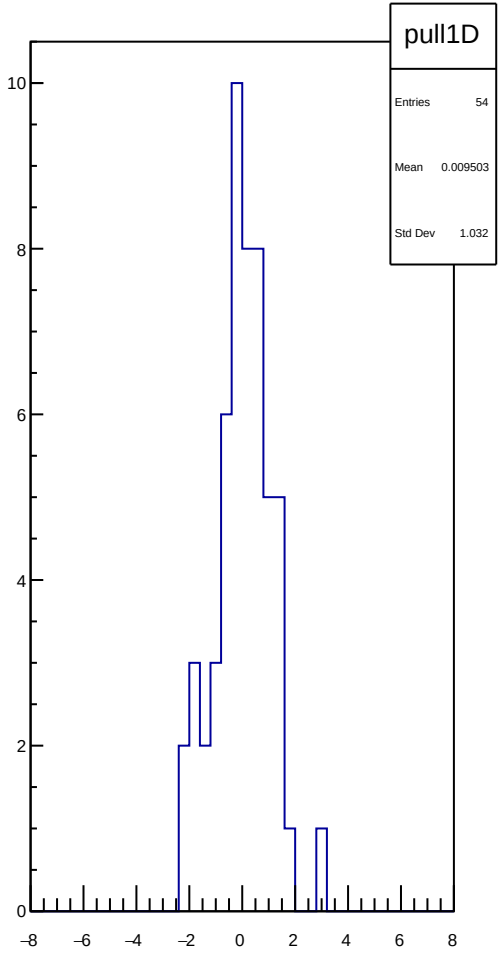

pull1D
Entries 54
Mean 0.009505
Std Dev 1.032

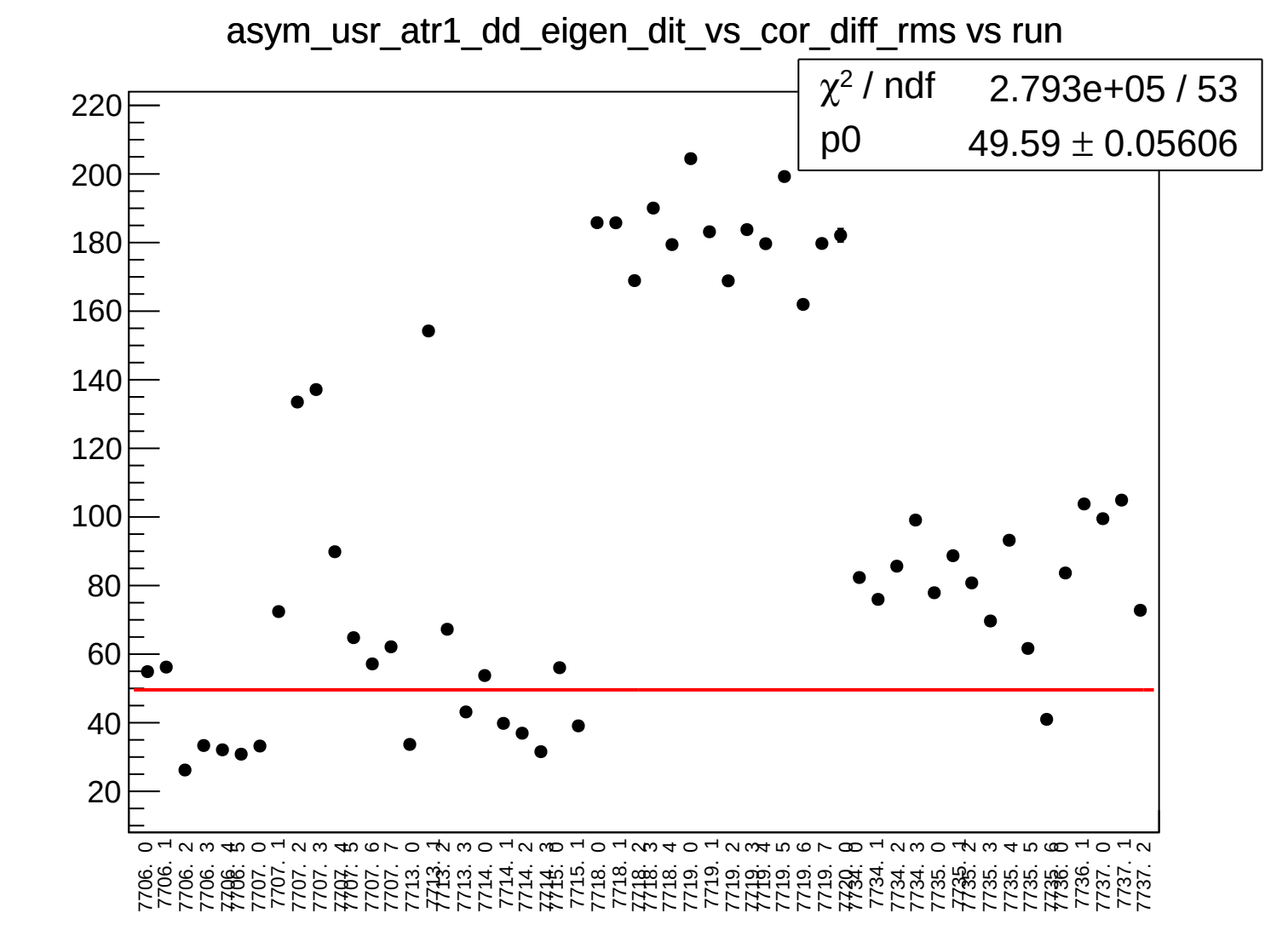

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.793e+05 / 53
p0 49.59 ± 0.05606
220
200
180
160
140
120
100
80
60
40
20

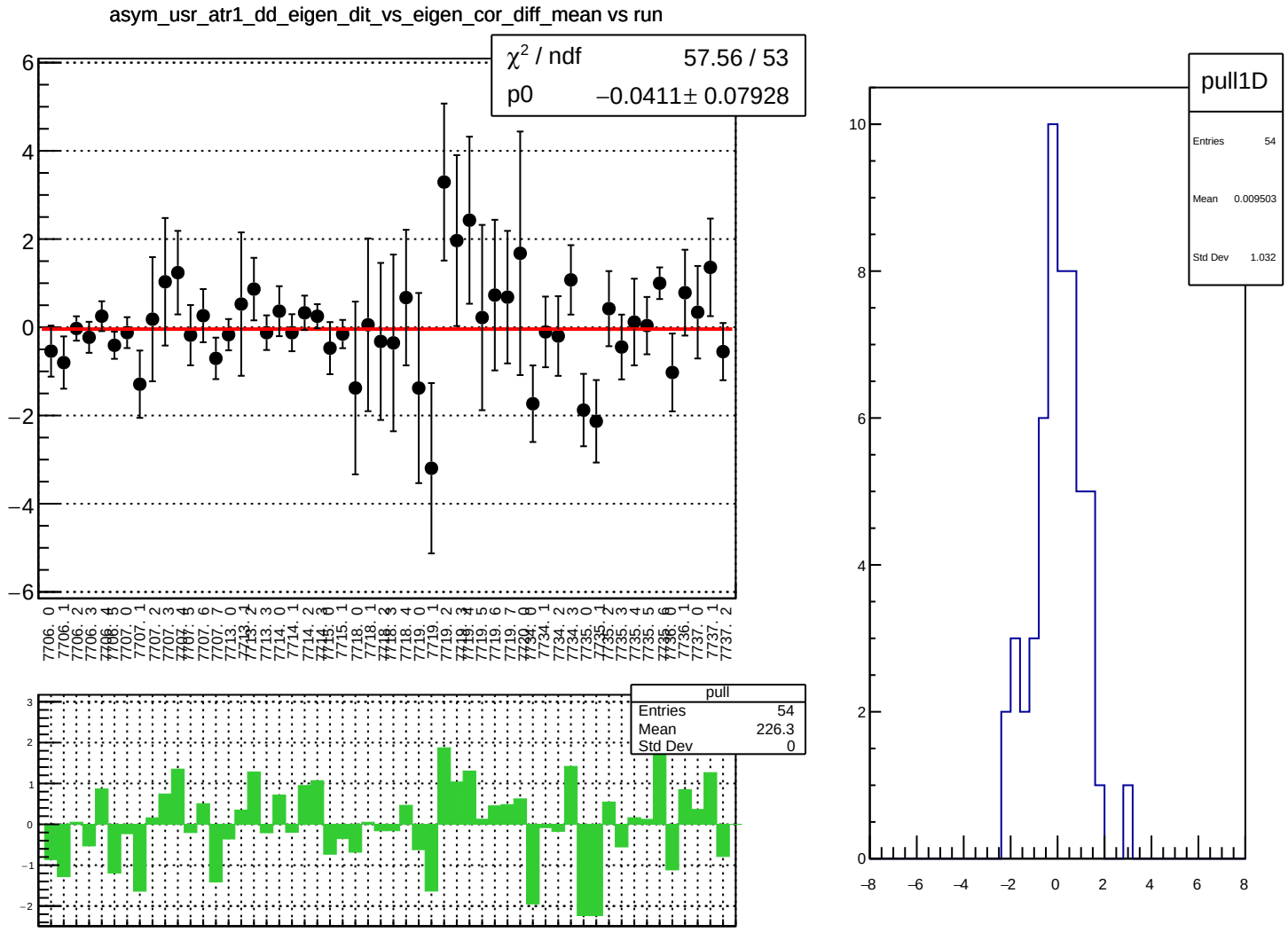

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.48 / 53
p0 −4.702e−07 ± 2.54e−06
pull
Entries 54
Mean 38.14
Std Dev 0
pull1D
Entries 54
Mean 0.03383
Std Dev 0.9171

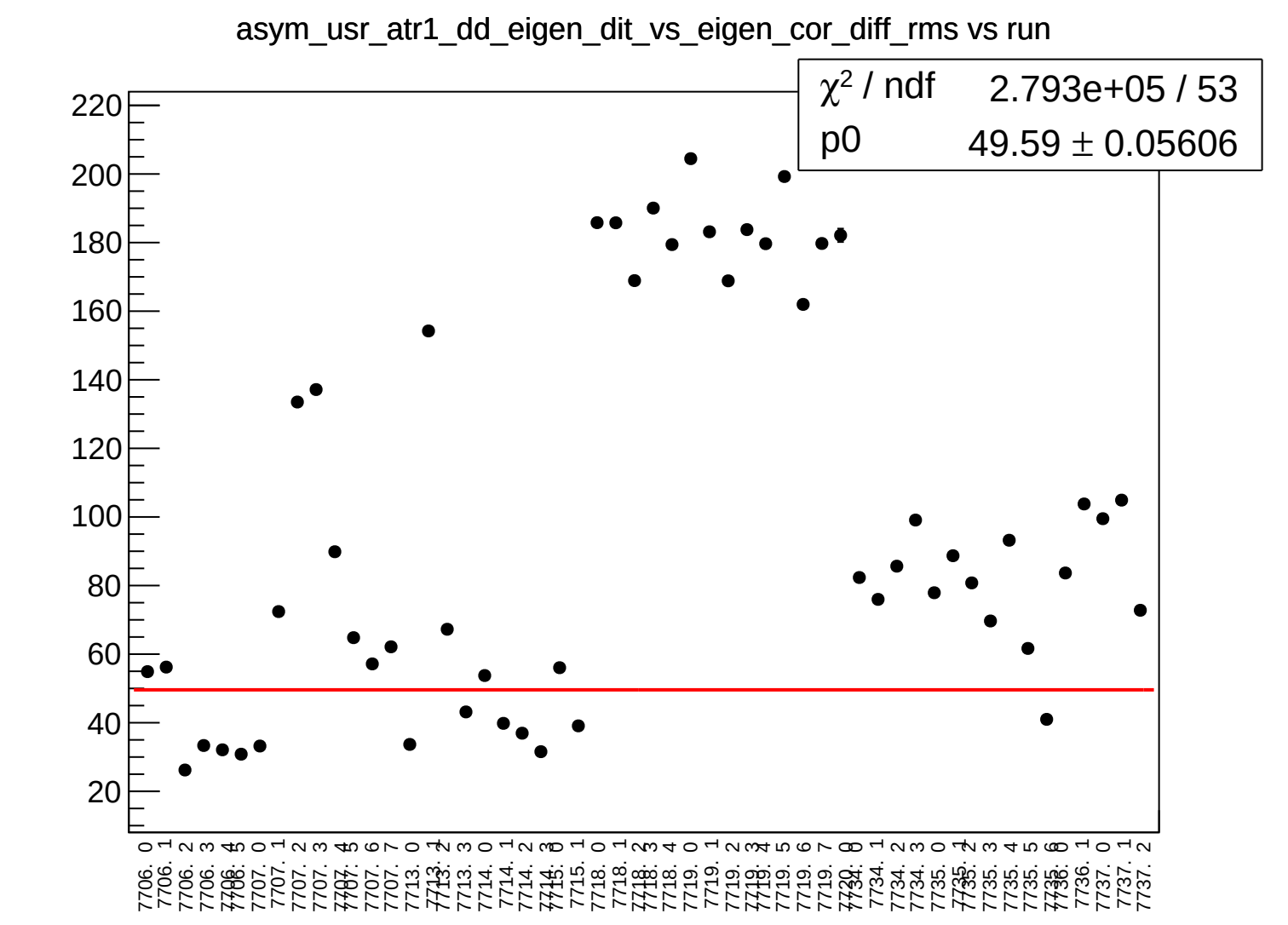

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.922e+04 / 53
p0 0.00179 ± 1.796e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014

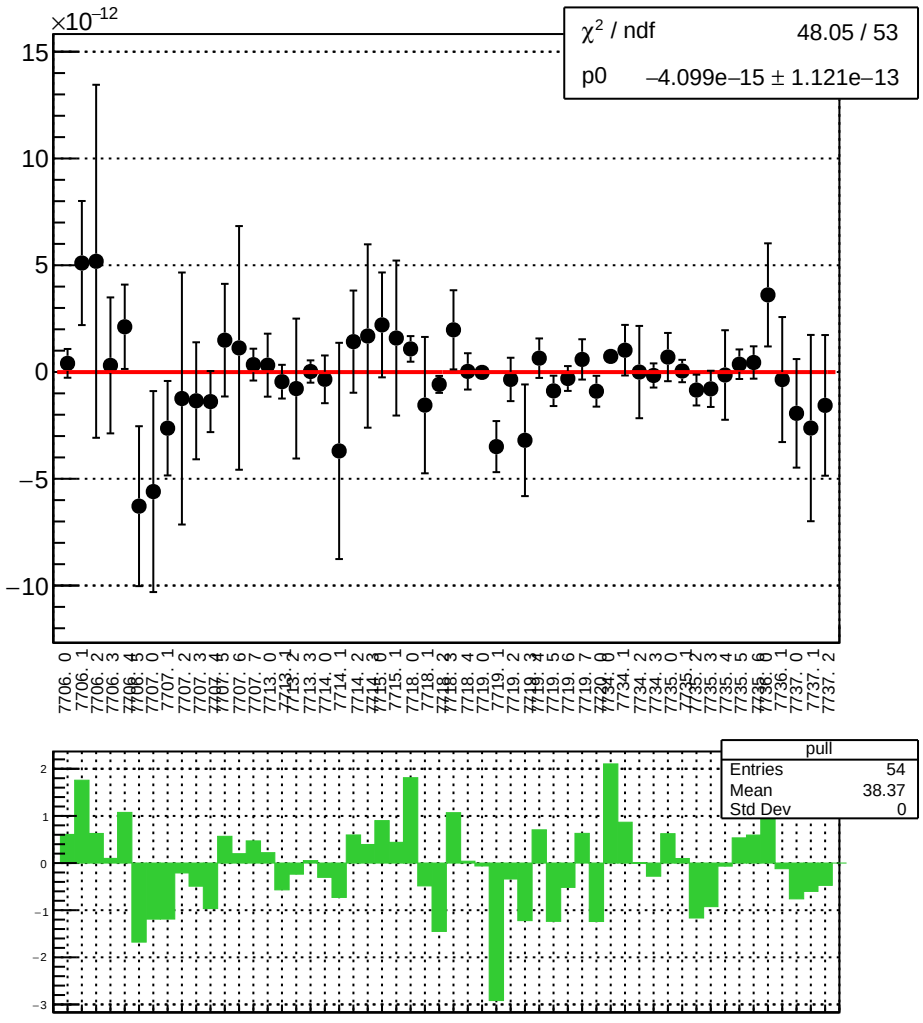

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.56 / 53
p0 −0.0411± 0.07928
pull
Entries 54
Mean 226.3
Std Dev 0

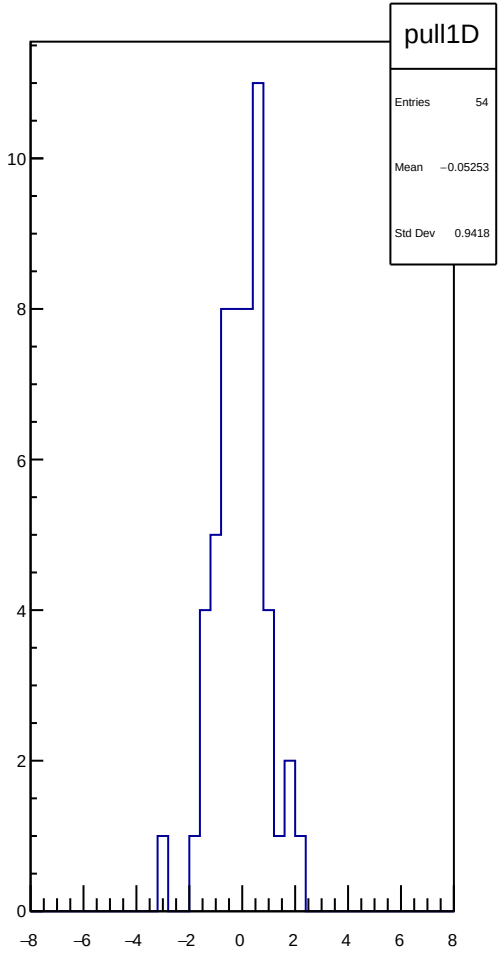

pull1D
Entries 54
Mean 0.009503
Std Dev 1.032

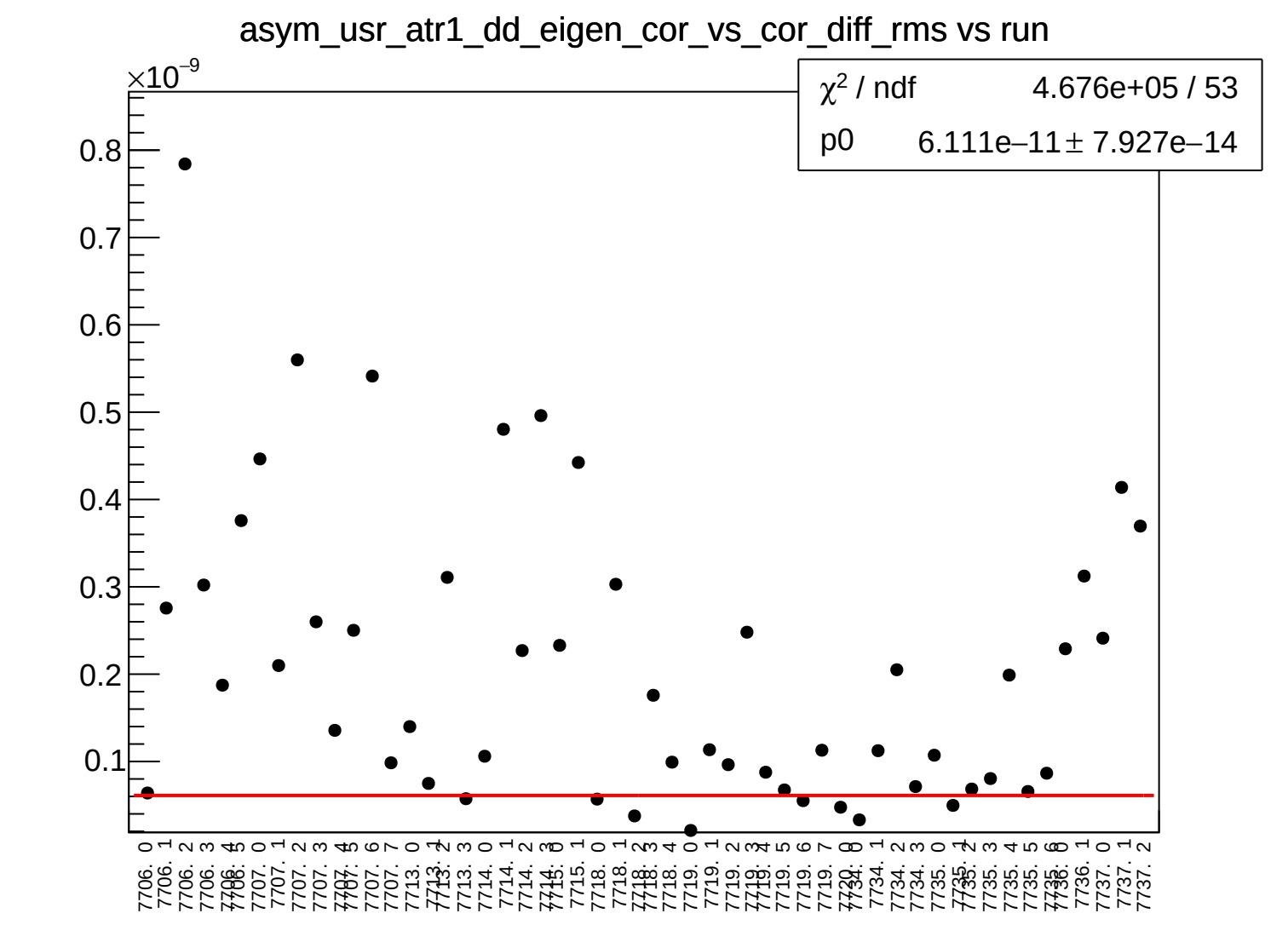

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.793e+05 / 53
p0 49.59 ± 0.05606
220
200
180
160
140
120
100
80
60
40
20

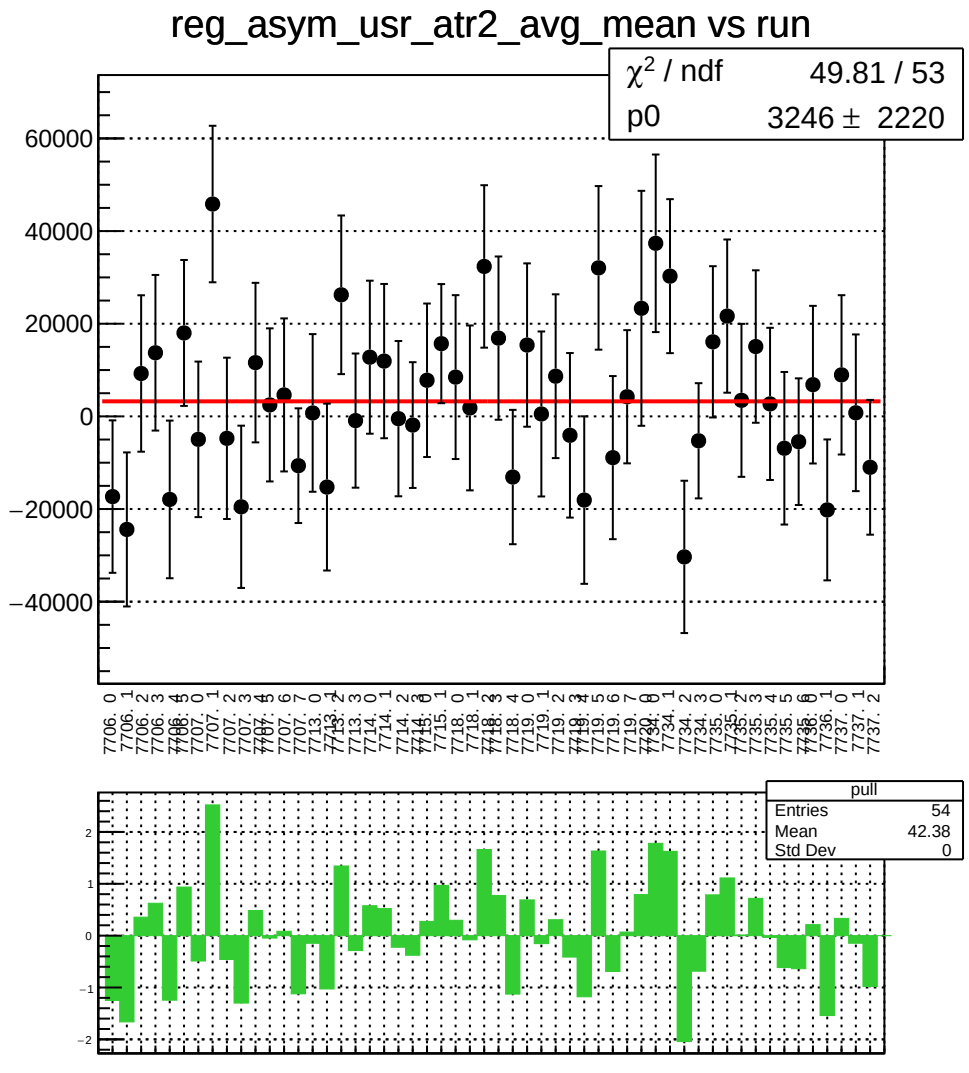

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.56 / 53
p0 −0.0411± 0.07928
pull
Entries 54
Mean 226.3
Std Dev 0
pull1D
Entries 54
Mean 0.009503
Std Dev 1.032

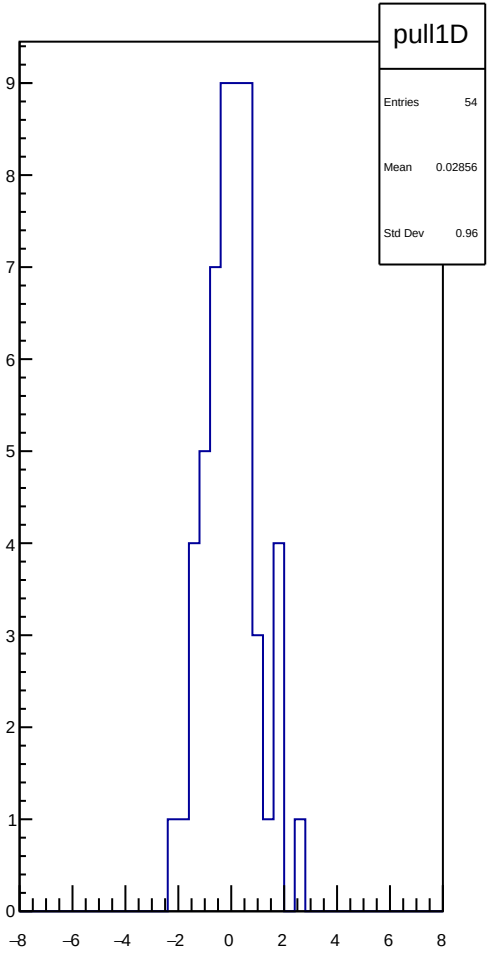

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.793e+05 / 53
p0 49.59 ± 0.05606
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

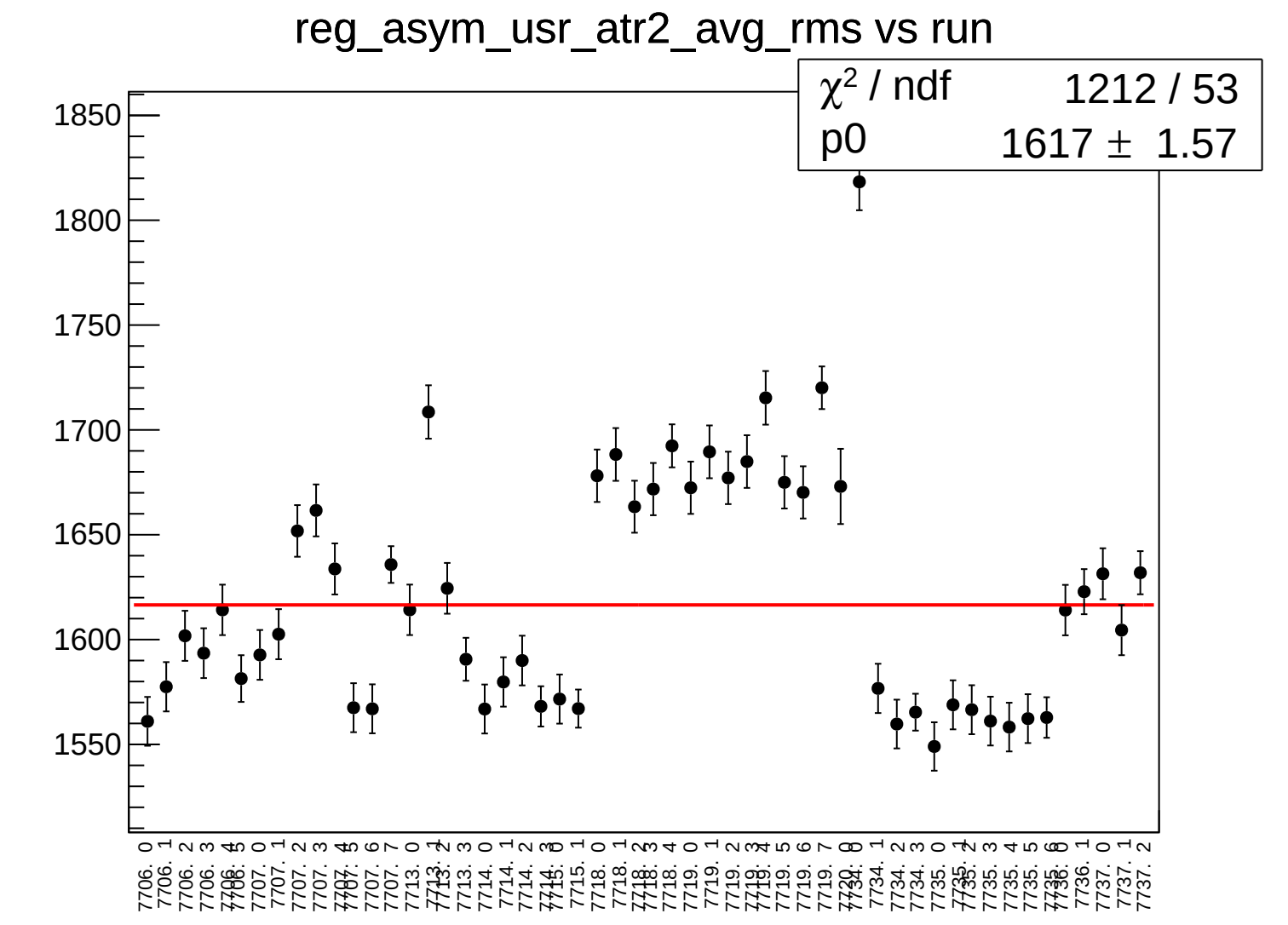

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.05 / 53
p0 −4.099e−15 ± 1.121e−13
pull
Entries 54
Mean 38.37
Std Dev 0

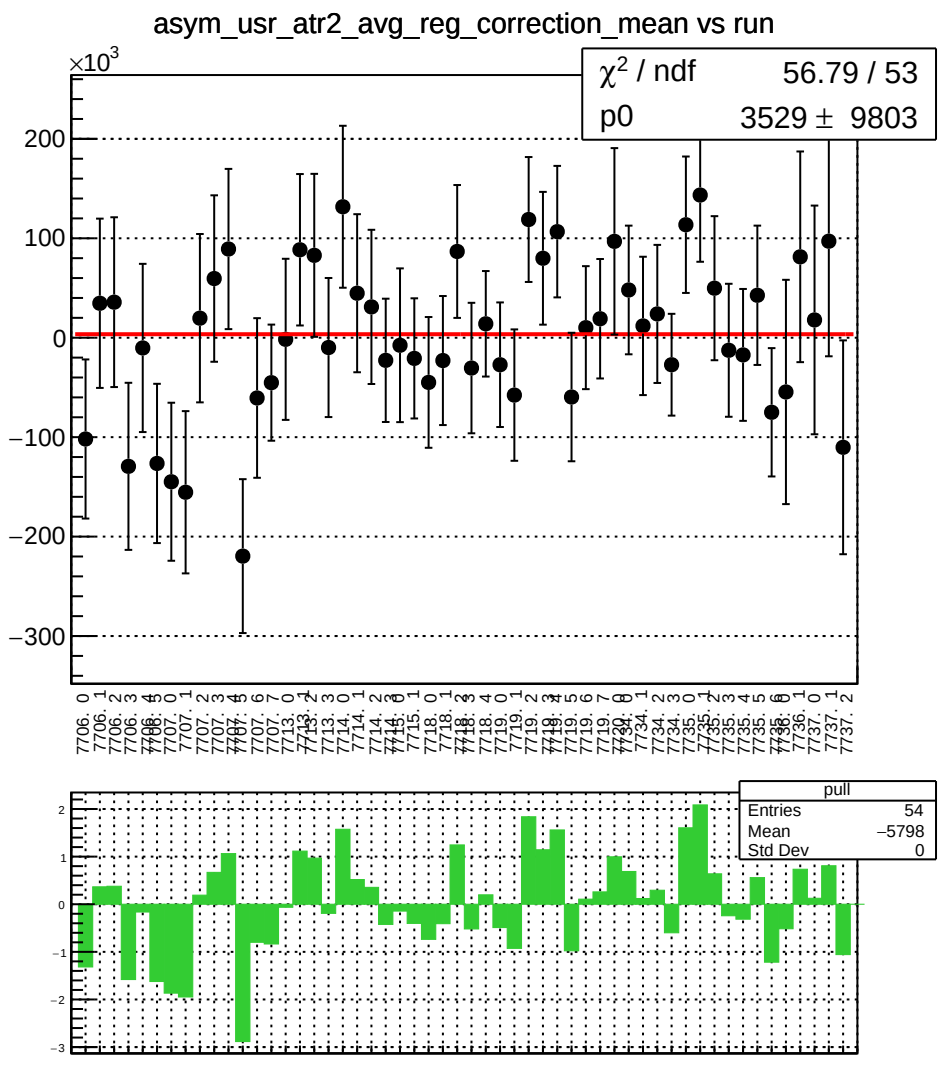

pull1D
Entries 54
Mean −0.05253
Std Dev 0.9418

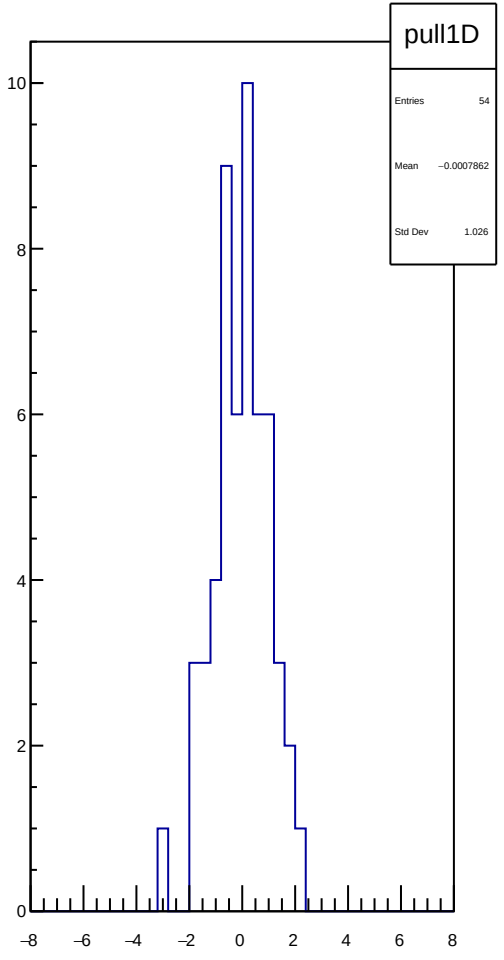

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.676e+05 / 53
p0 6.111e−11 ± 7.927e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

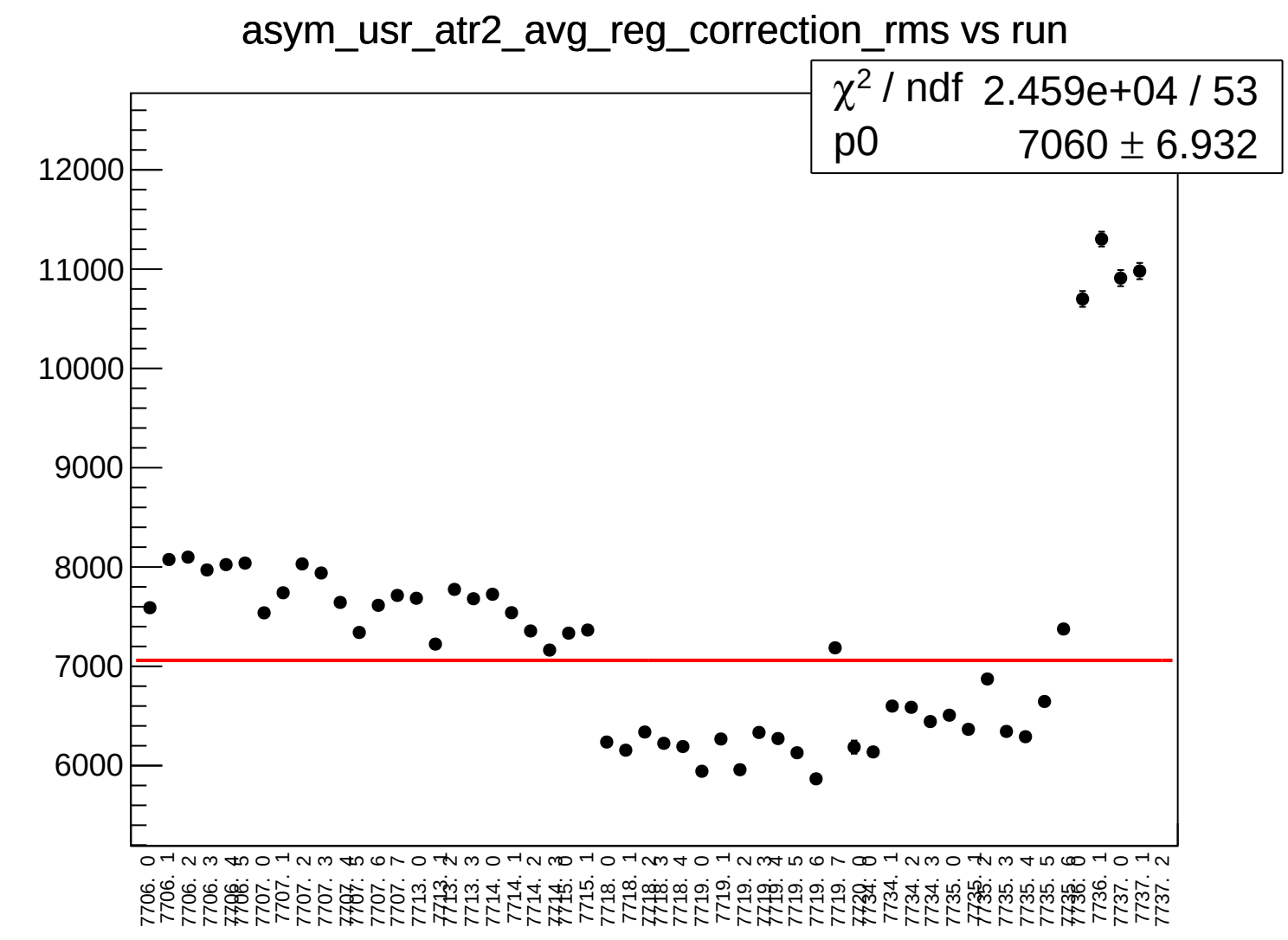

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 49.81 / 53
p0 3246 ± 2220
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 42.38
Std Dev 0
2
1
0
−1
−2

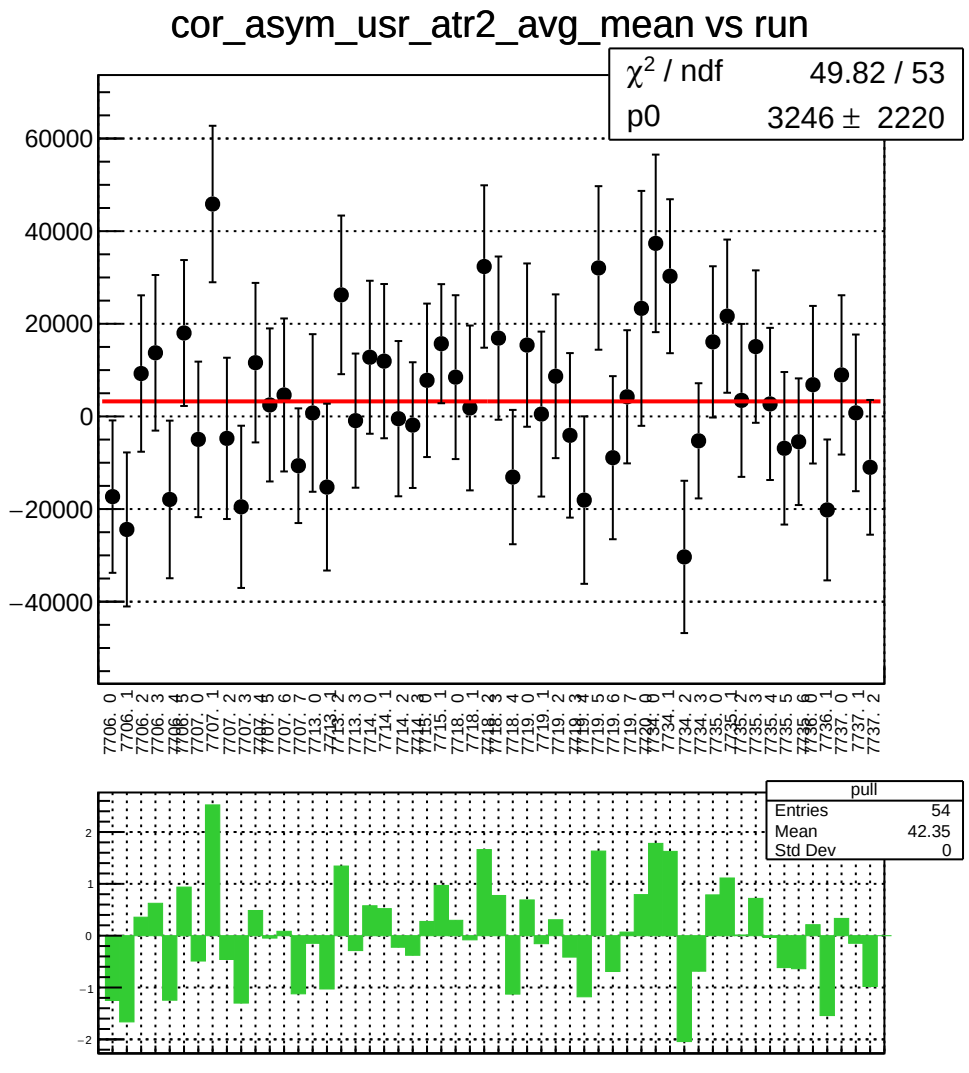

pull1D
Entries 54
Mean 0.02856
Std Dev 0.96
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

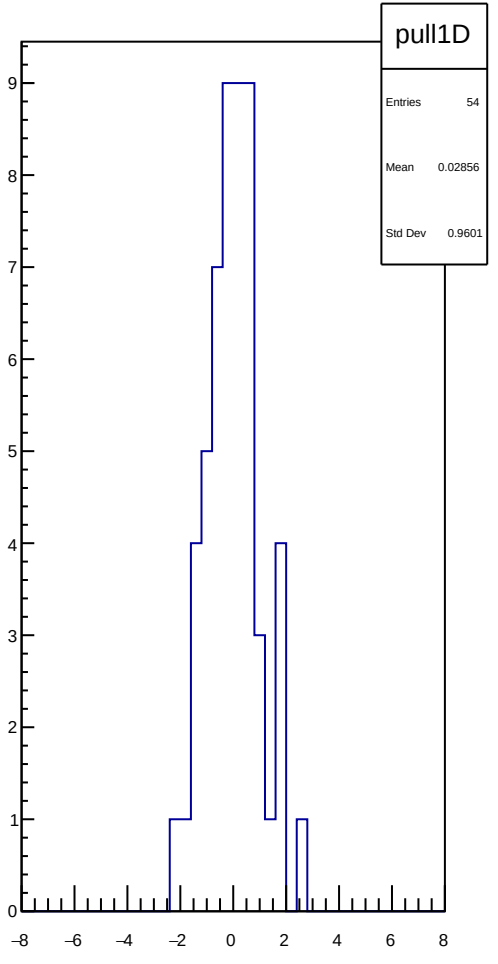

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 1212 / 53
p0 1617 ± 1.57
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

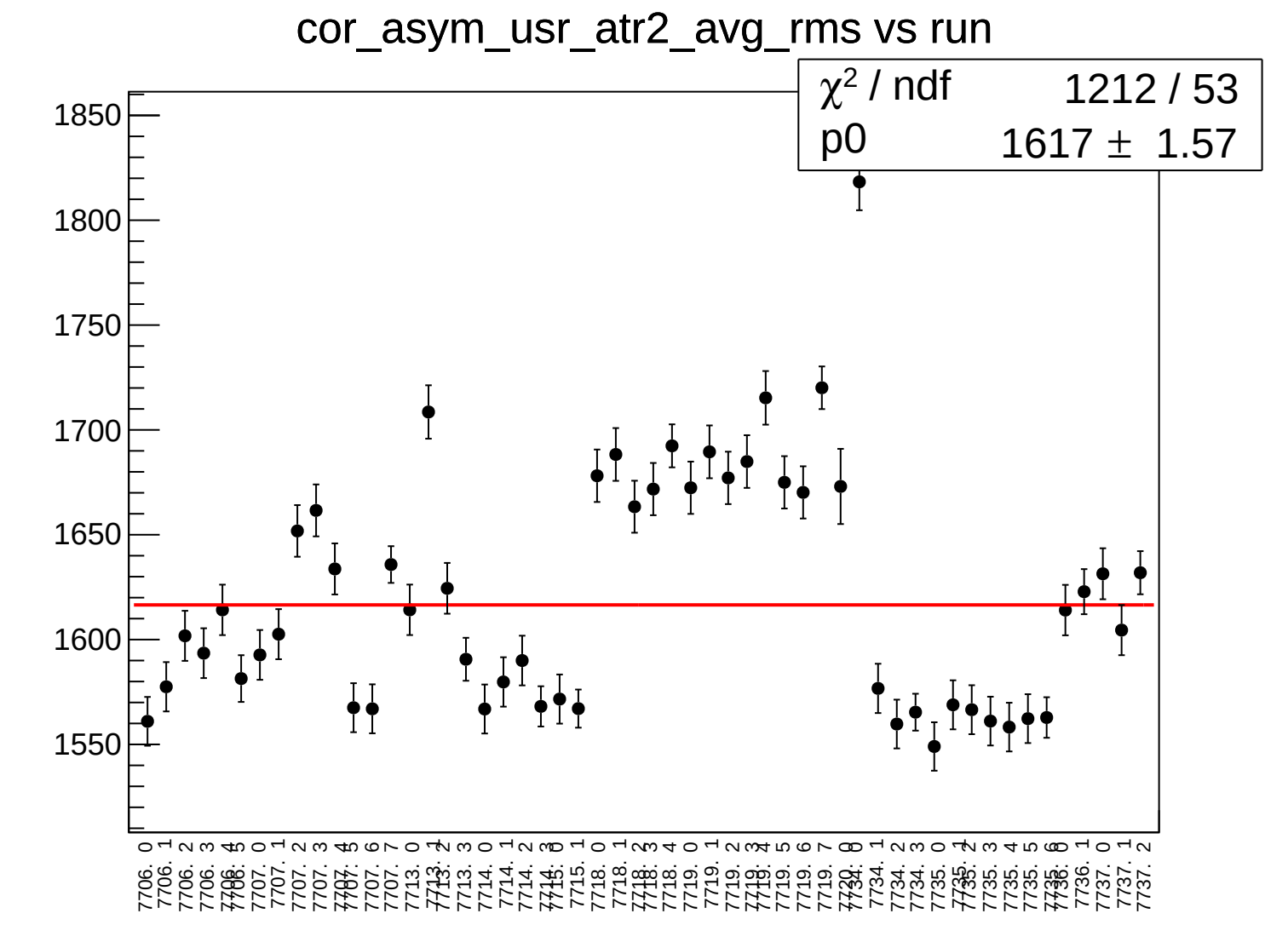

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.79 / 53
p0 3529 ± 9803
pull
Entries 54
Mean −5798
Std Dev 0

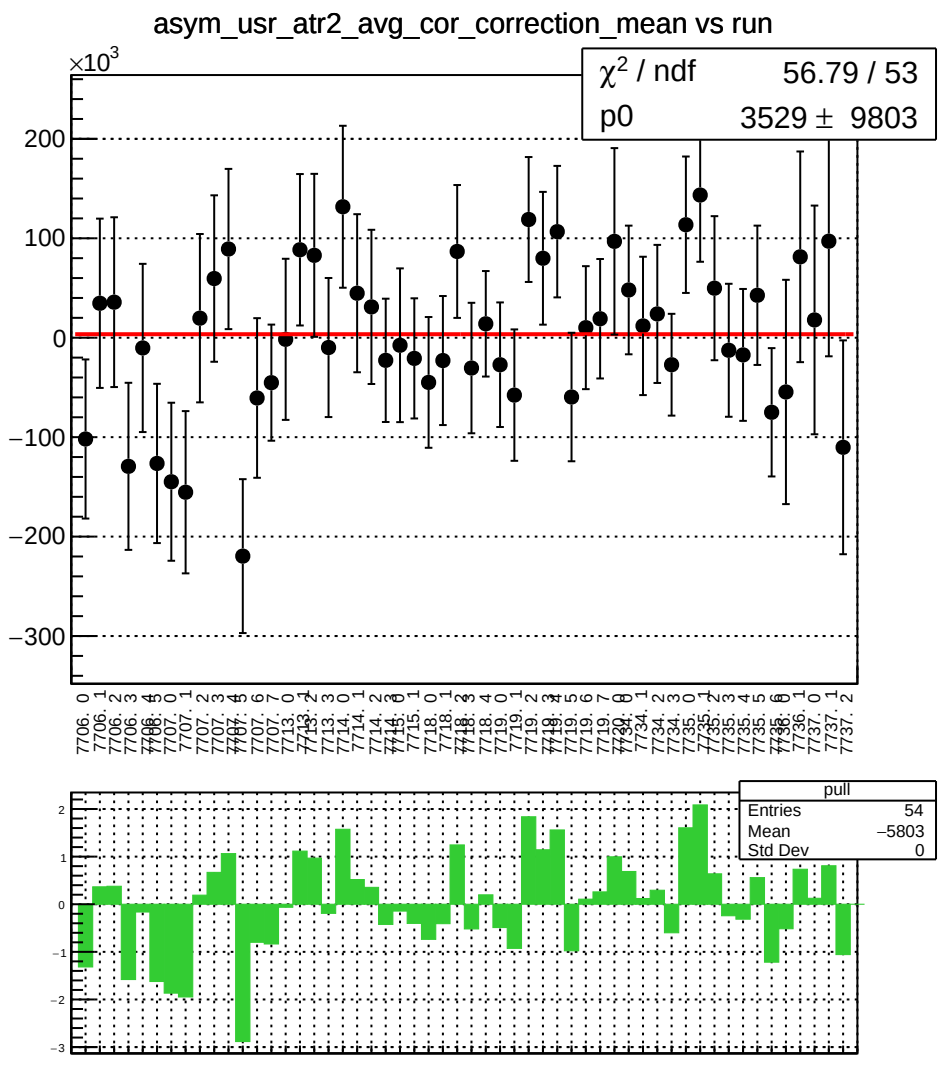

pull1D
Entries 54
Mean −0.0007862
Std Dev 1.026

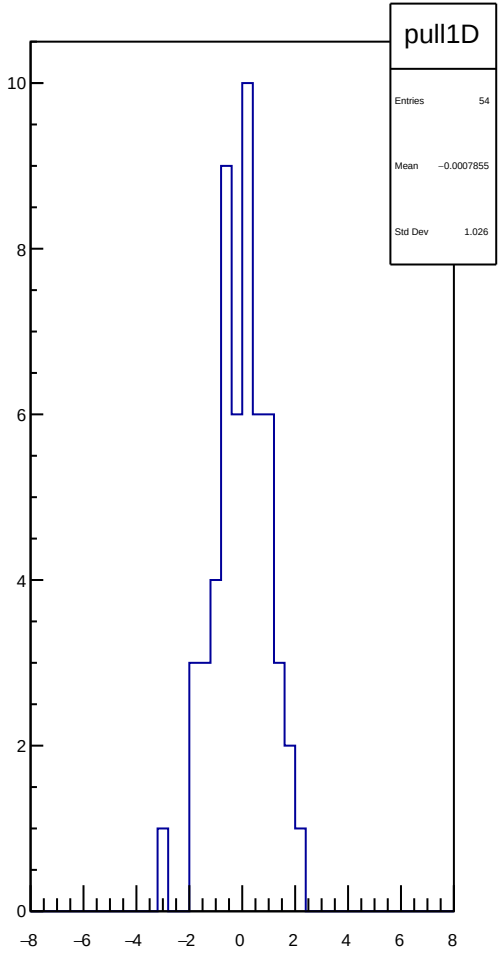

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2.459e+04 / 53
p0 7060 ± 6.932
12000
11000
10000
9000
8000
7000
6000

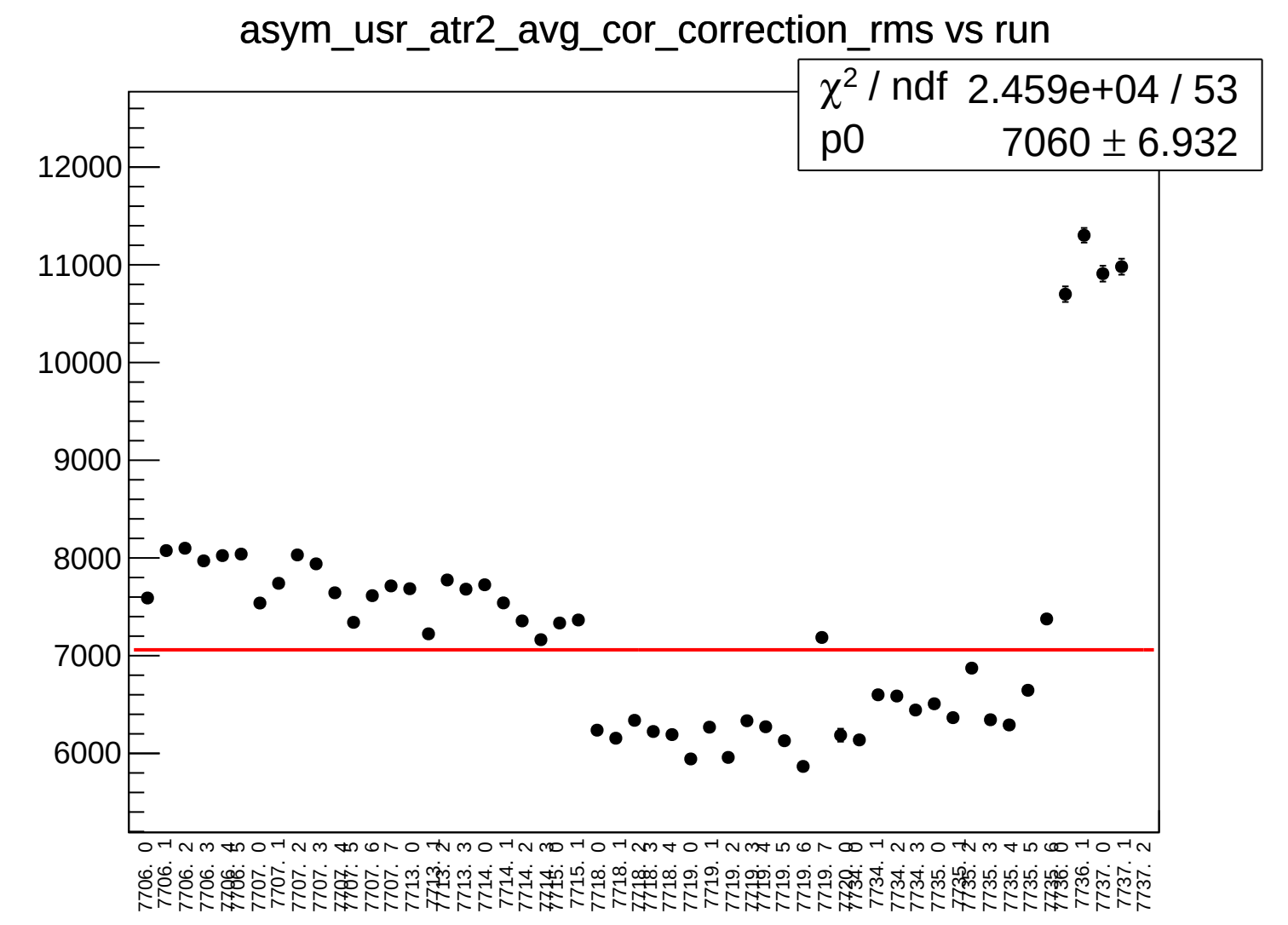

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 49.82 / 53
p0 3246 ± 2220
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 42.35
Std Dev 0
2
1
0
−1
−2

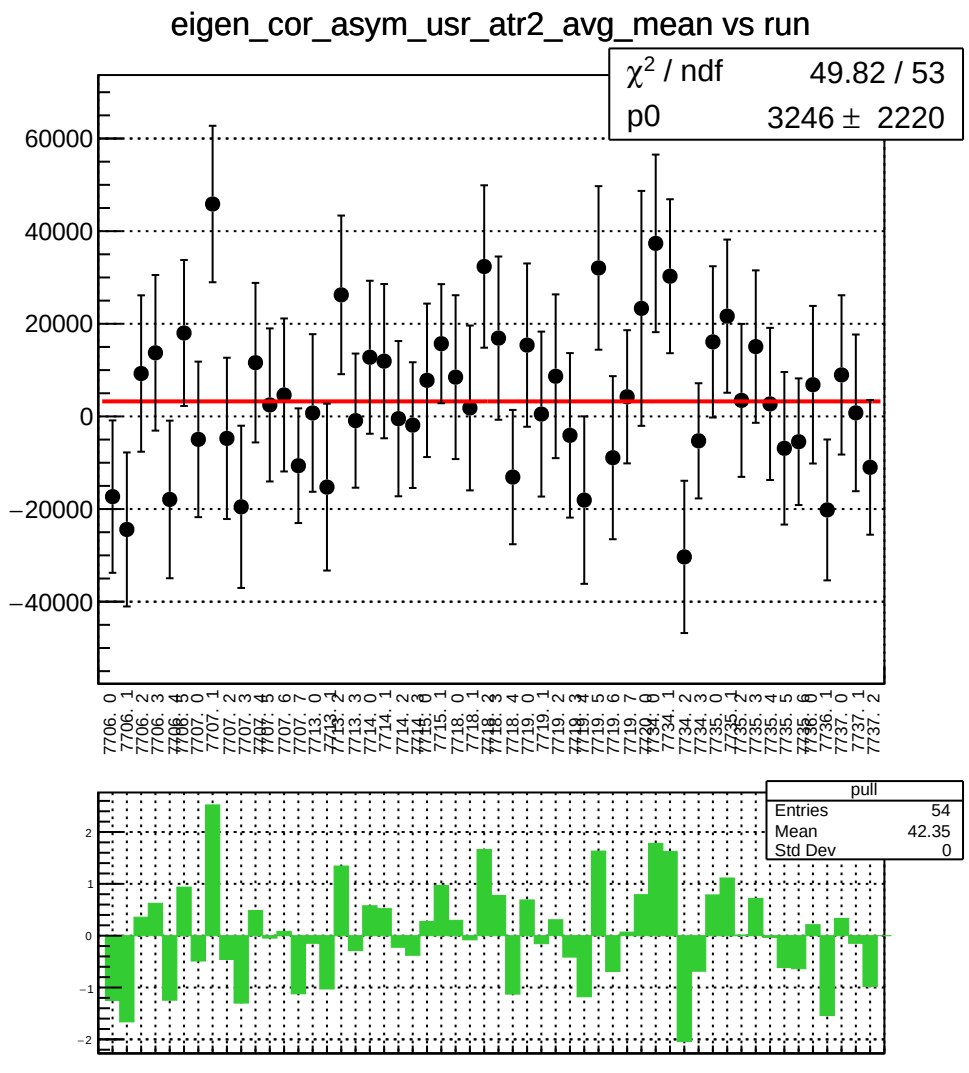

pull1D
Entries 54
Mean 0.02856
Std Dev 0.9601
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

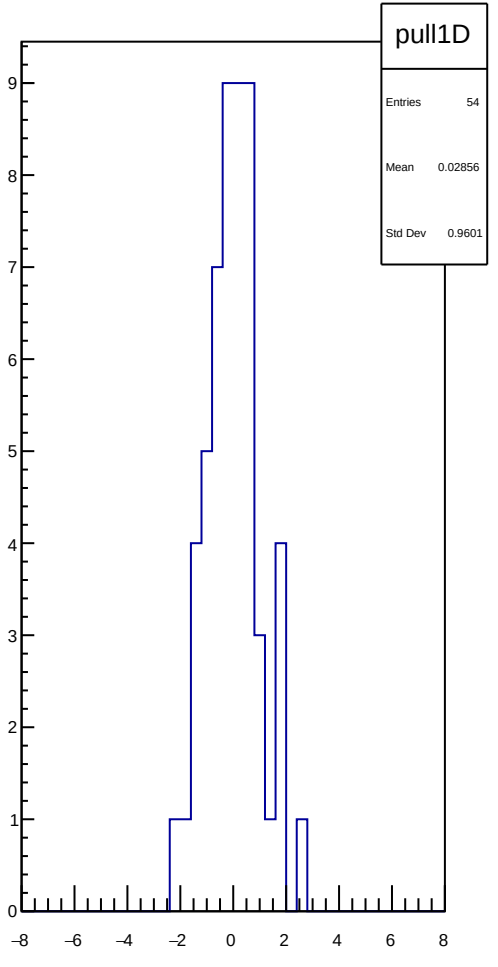

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1212 / 53
p0 1617 ± 1.57
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

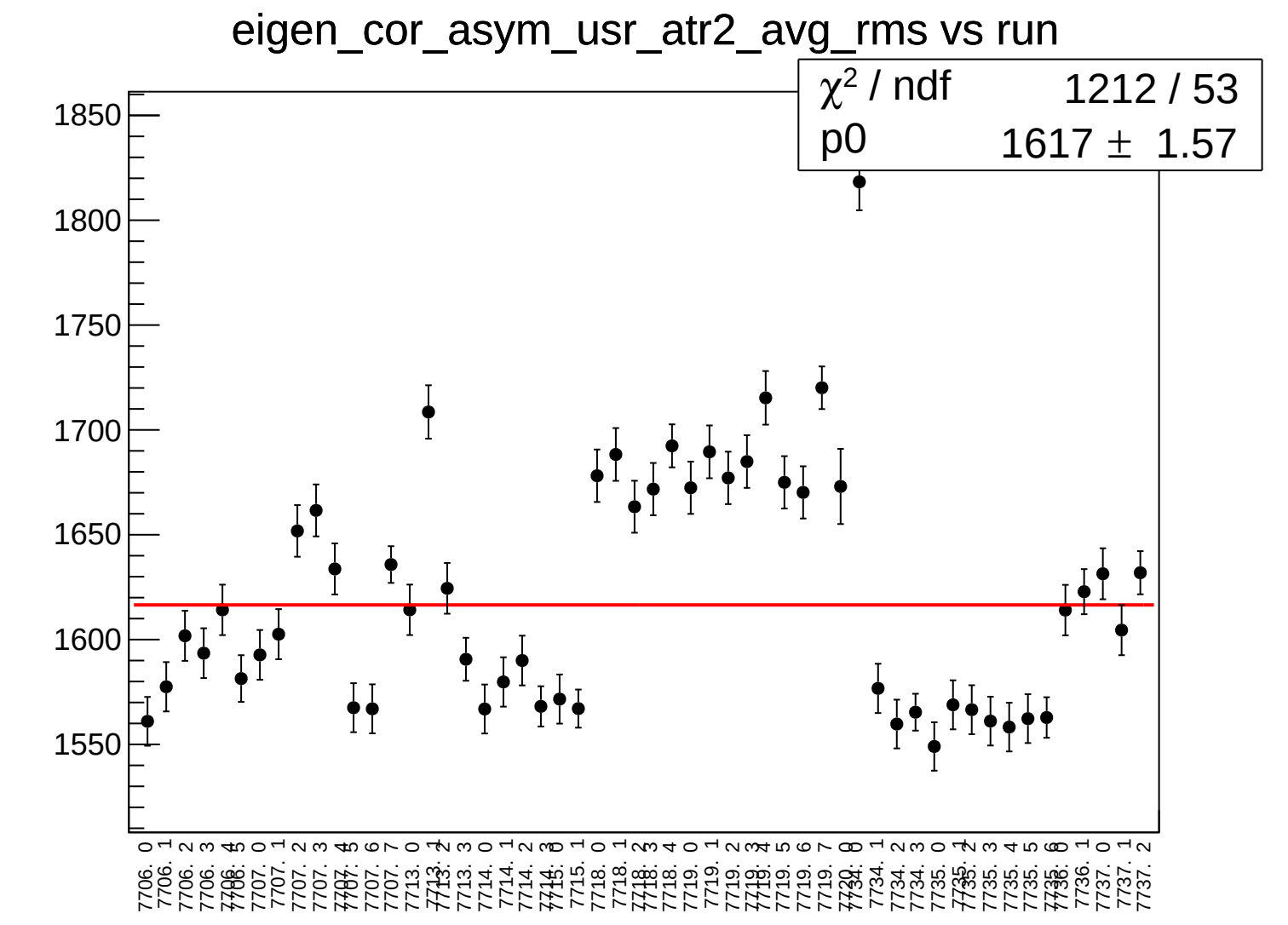

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.79 / 53
p0 3529 ± 9803
pull
Entries 54
Mean −5803
Std Dev 0

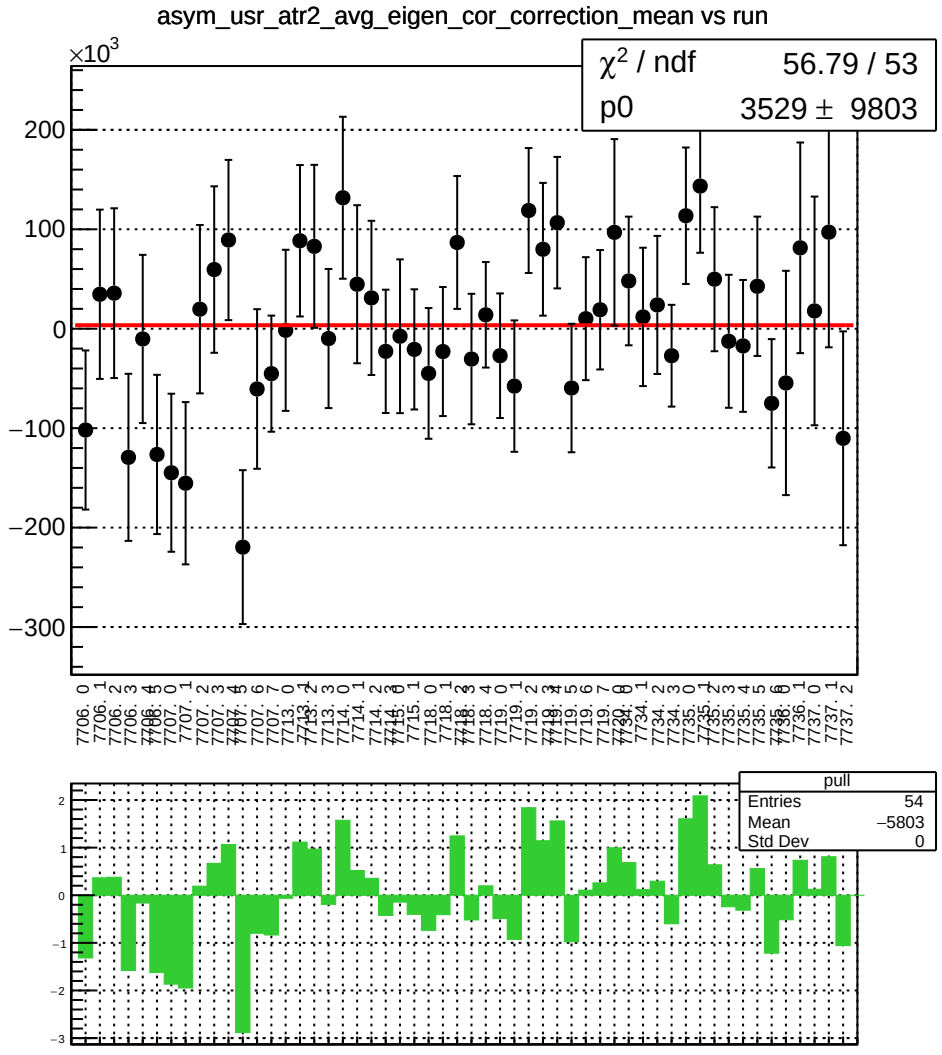

pull1D
Entries 54
Mean −0.0007855
Std Dev 1.026

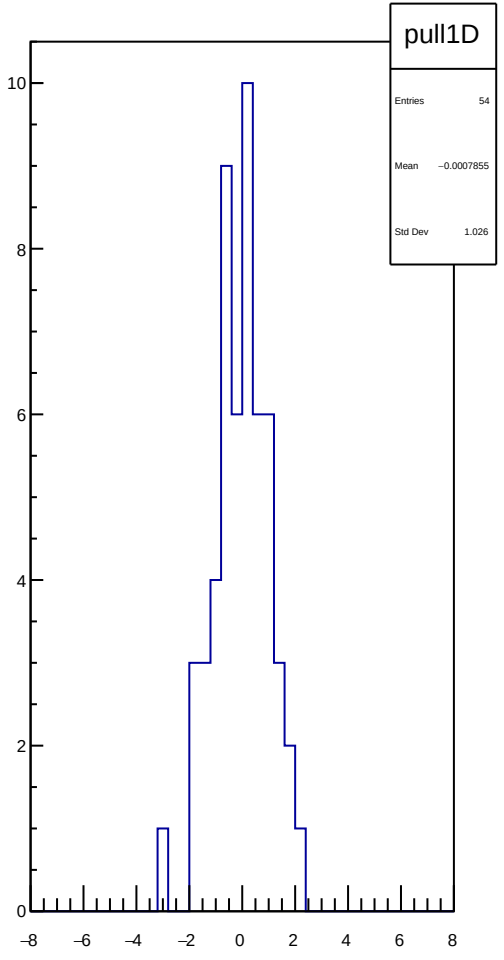

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2.459e+04 / 53
p0 7060 ± 6.932
12000
11000
10000
9000
8000
7000
6000

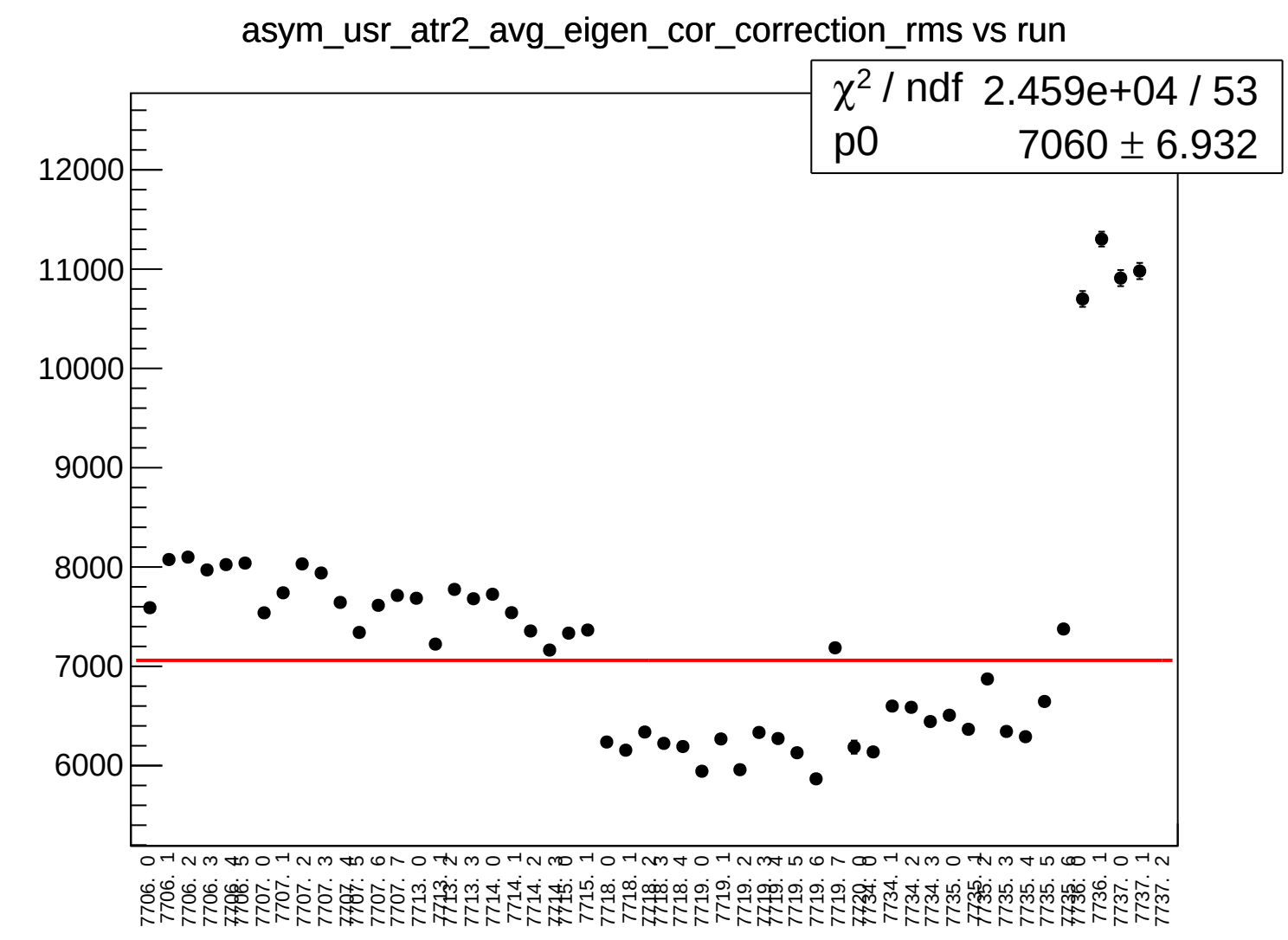

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 49.82 / 53
p0 3246 ± 2220
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 42.35
Std Dev 0
2
1
0
−1
−2

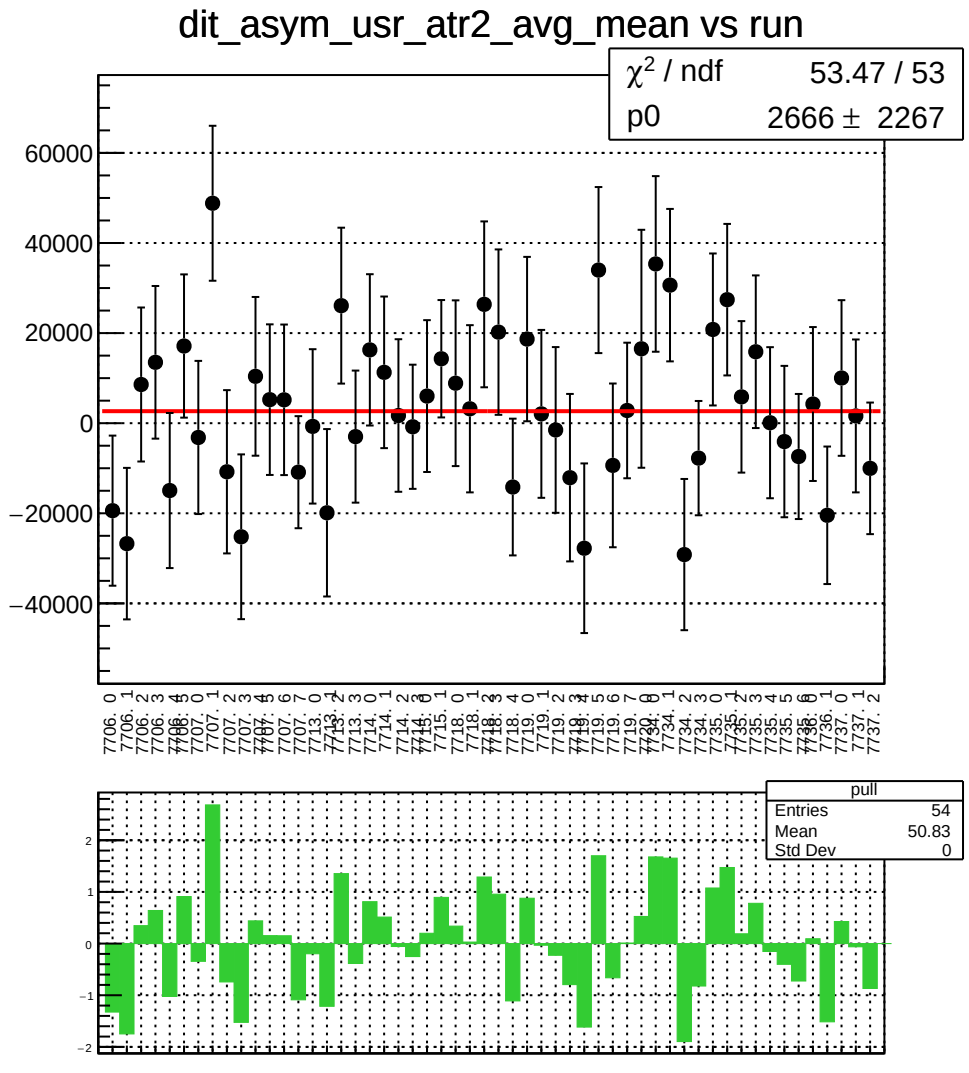

pull1D
Entries 54
Mean 0.02856
Std Dev 0.9601
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

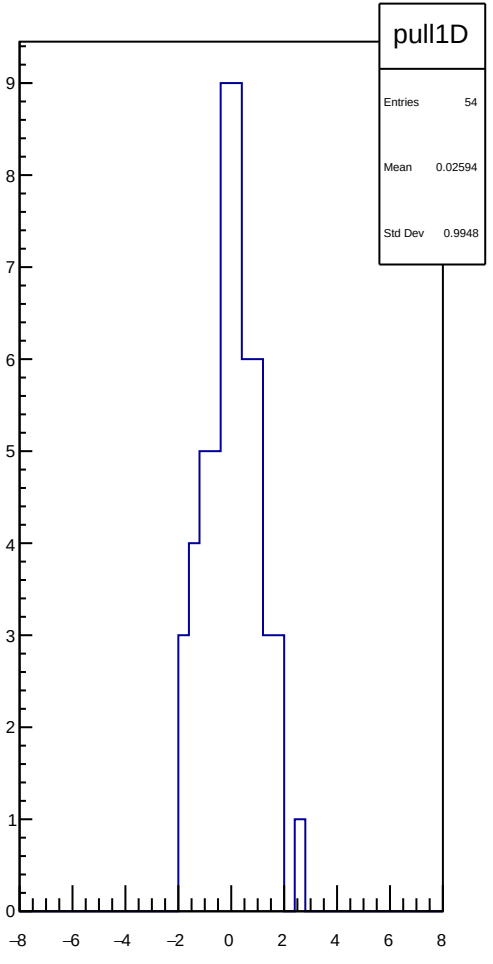

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1212 / 53
p0 1617 ± 1.57
1850
1800
1750
1700
1650
1600
1550
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

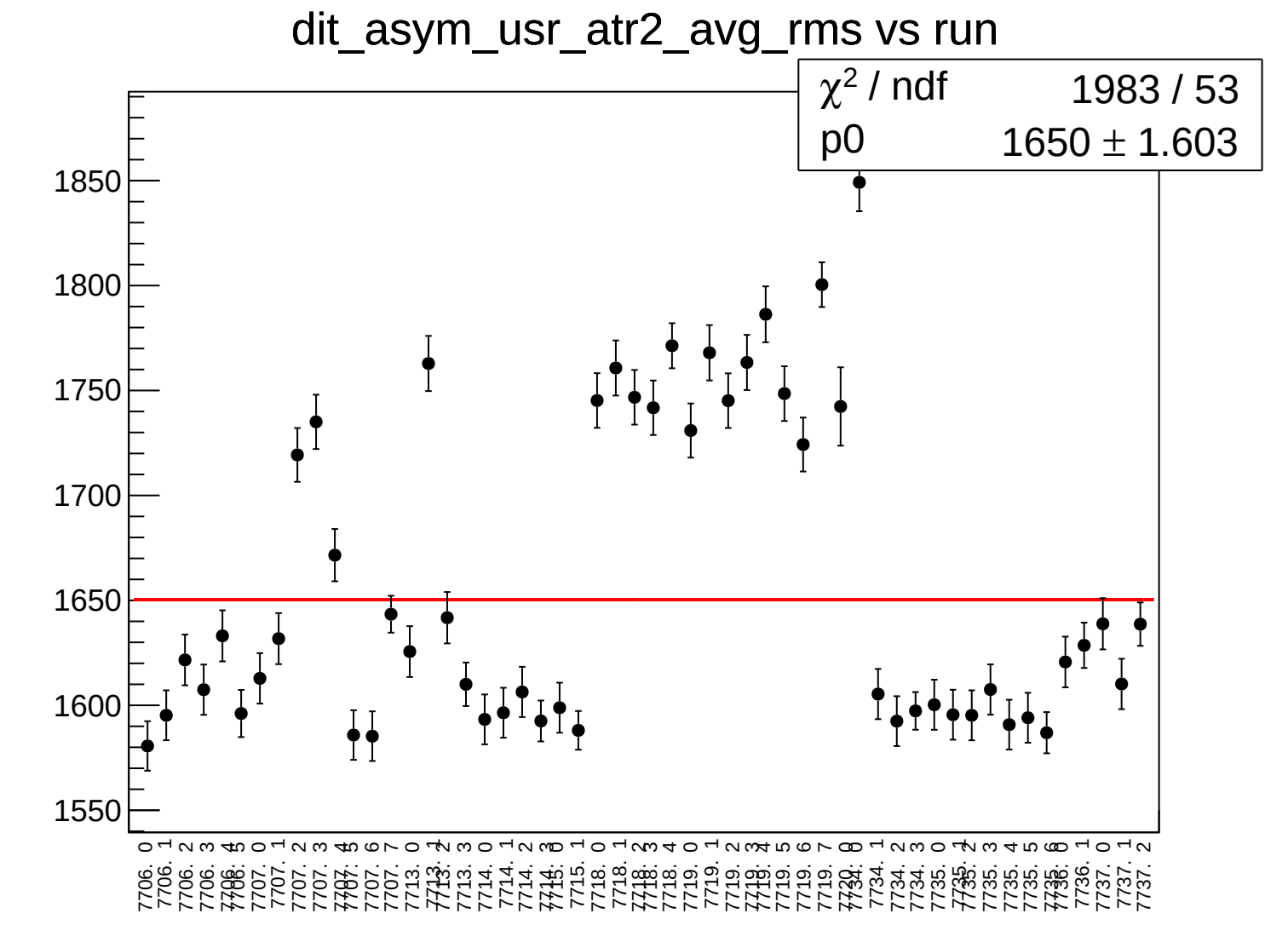

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.79 / 53
p0 3529 ± 9803
pull
Entries 54
Mean −5803
Std Dev 0

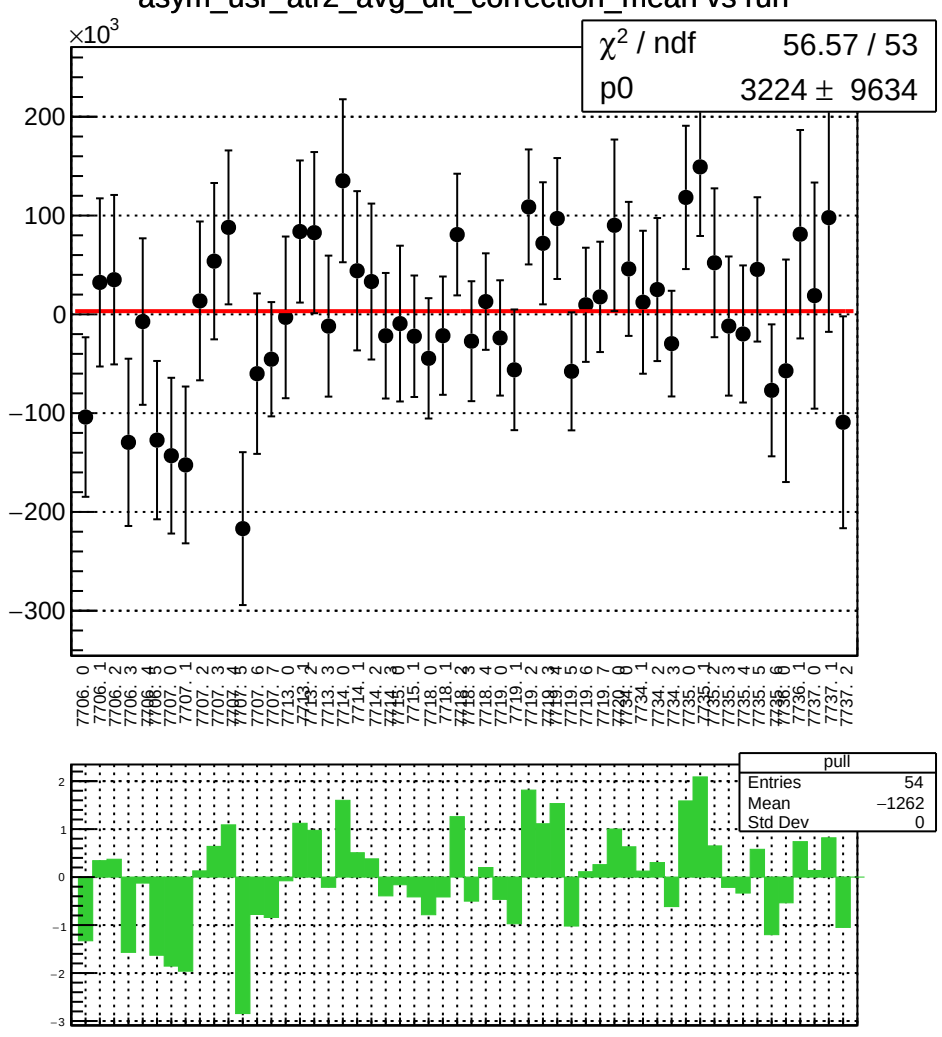

pull1D
Entries 54
Mean −0.0007855
Std Dev 1.026

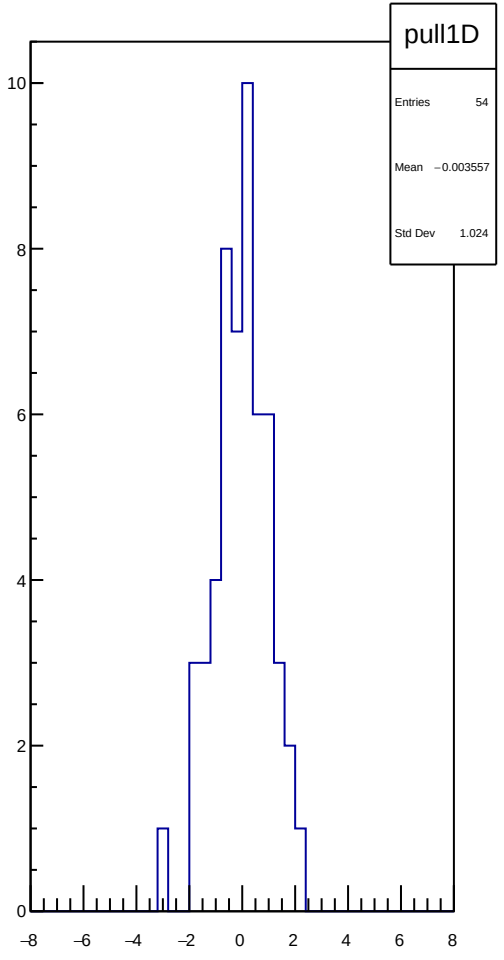

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.459e+04 / 53
p0 7060 ± 6.932
12000
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

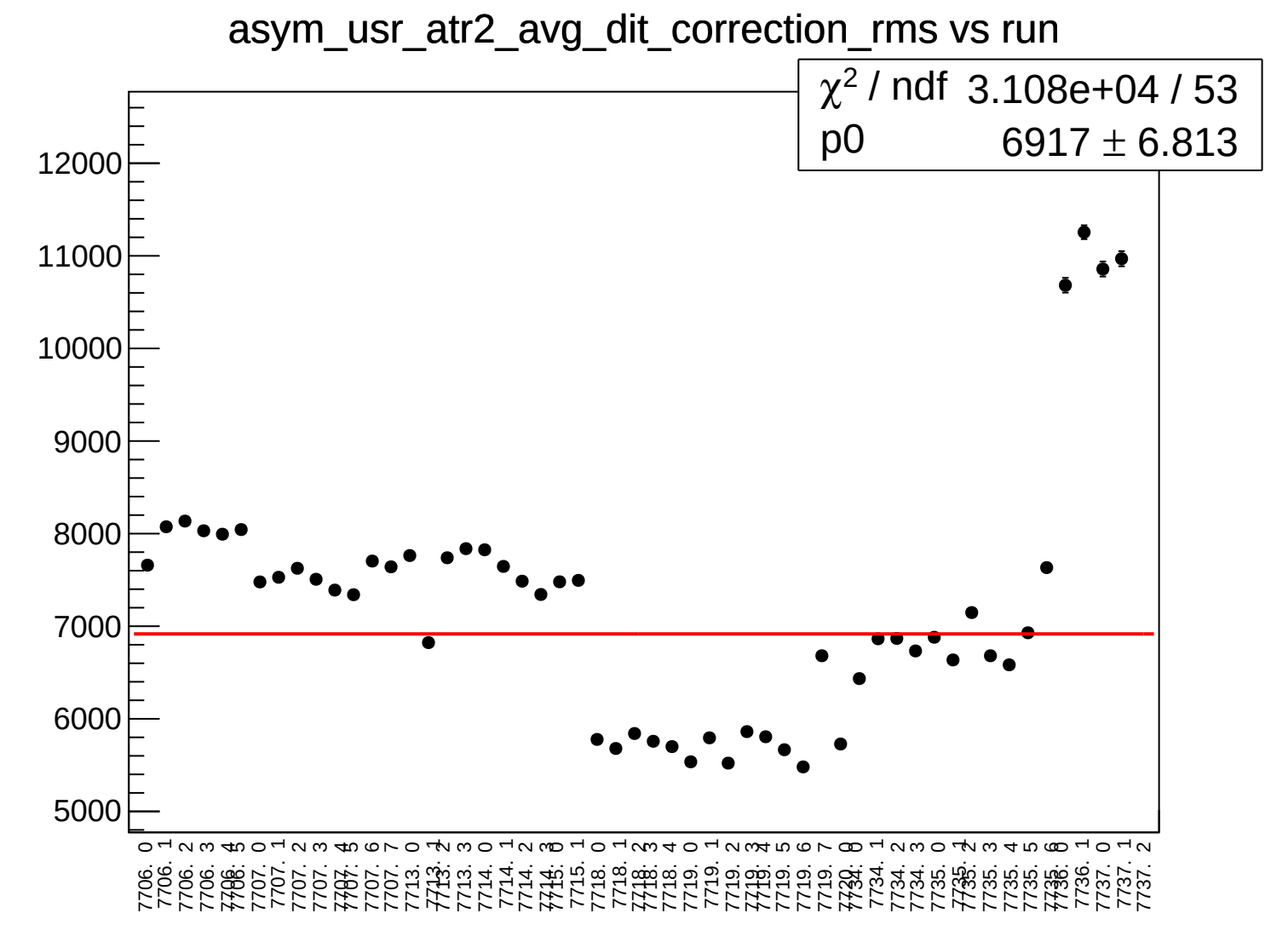

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 53.47 / 53
p0 2666 ± 2267
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 50.83
Std Dev 0
2
1
0
−1
−2

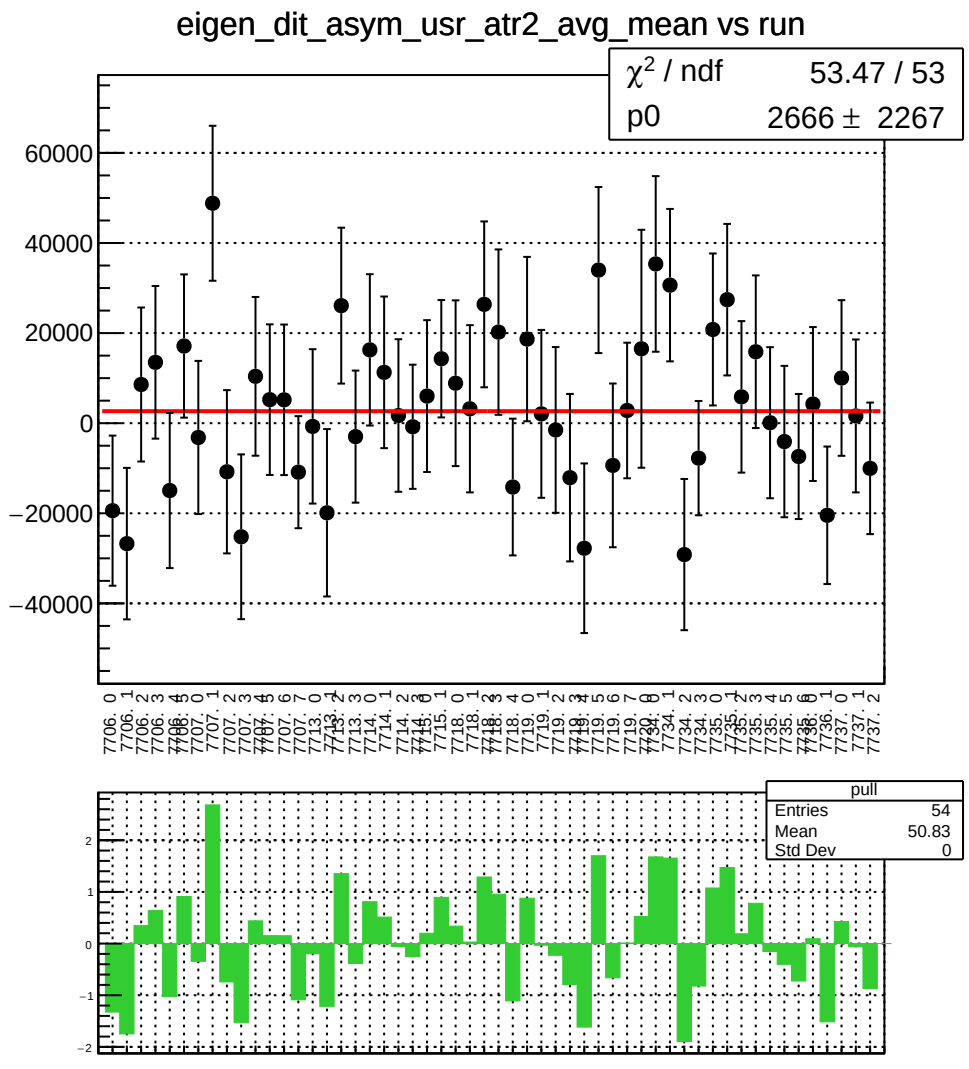

pull1D
Entries 54
Mean 0.02594
Std Dev 0.9948
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

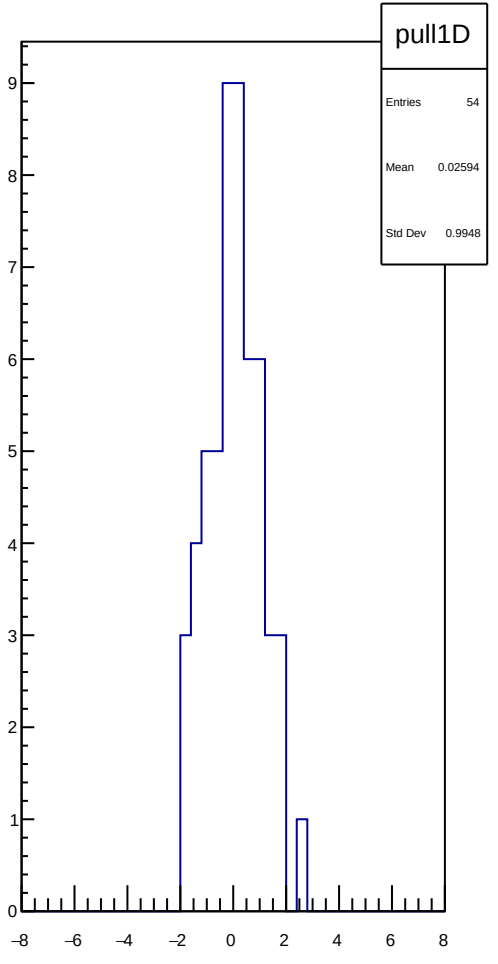

dit_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 1983 / 53
p0 1650 ± 1.603
1850
1800
1750
1700
1650
1600
1550

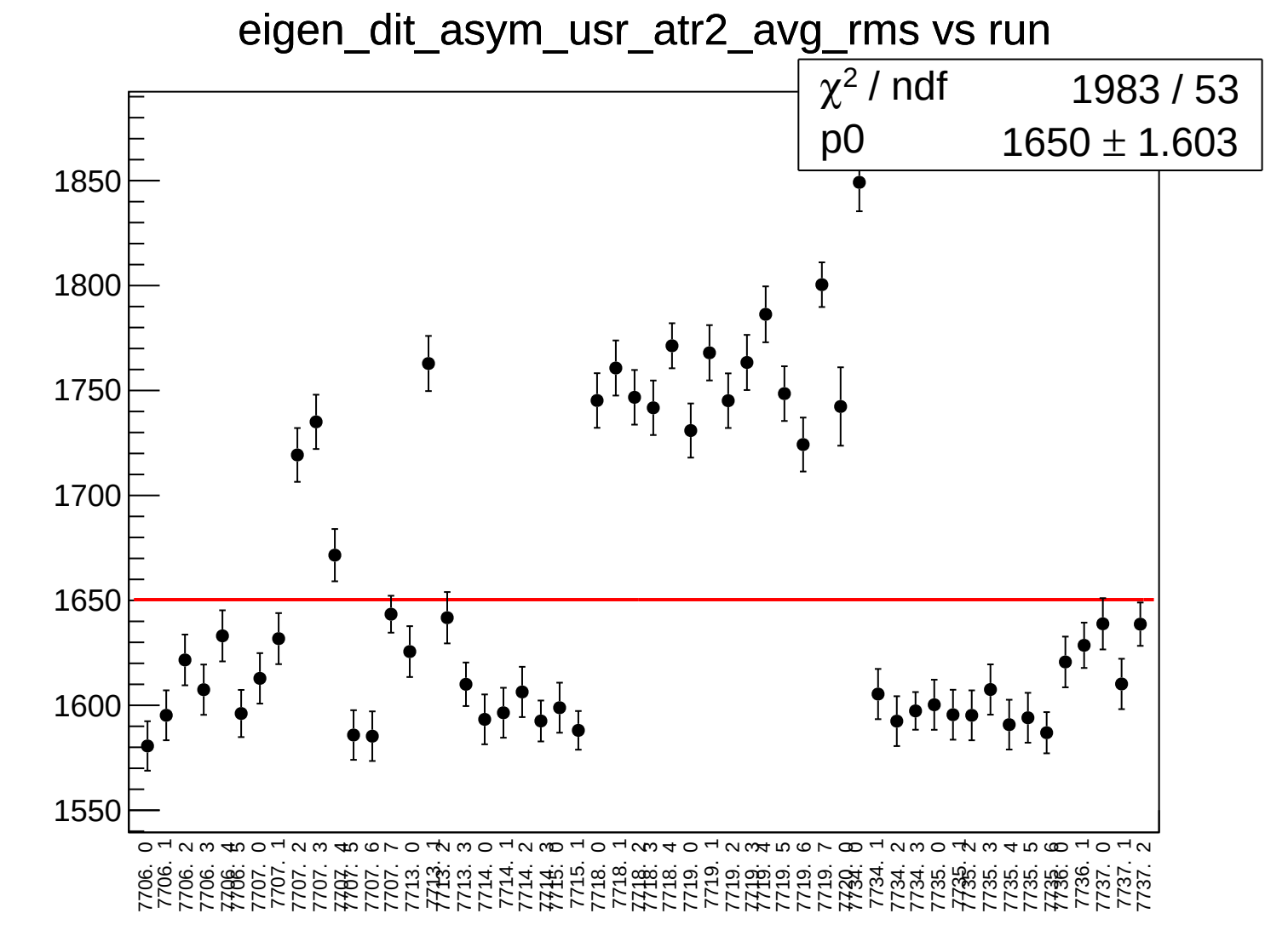

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.57 / 53
p0 3224 ± 9634
200
100
0
−100
−200
−300
pull
Entries 54
Mean −1262
Std Dev 0
2
1
0
−1
−2
−3

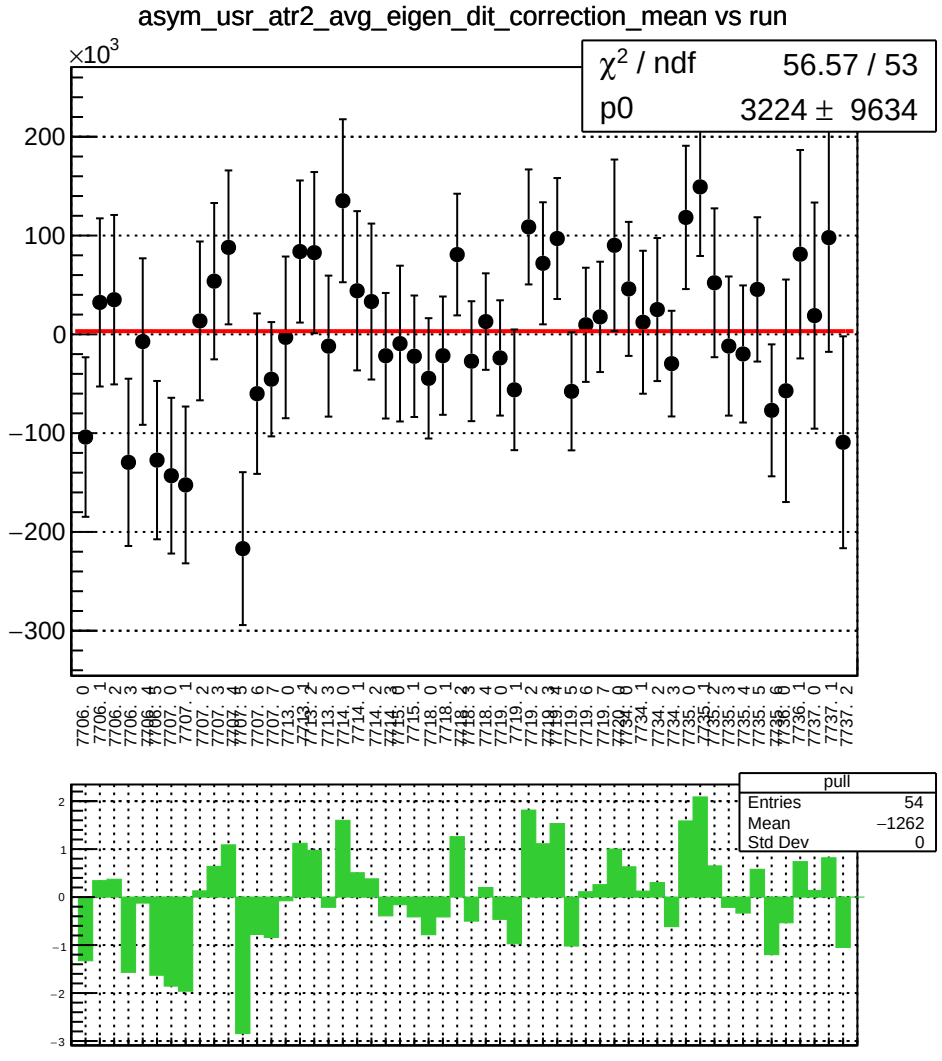

pull1D
Entries 54
Mean −0.003557
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

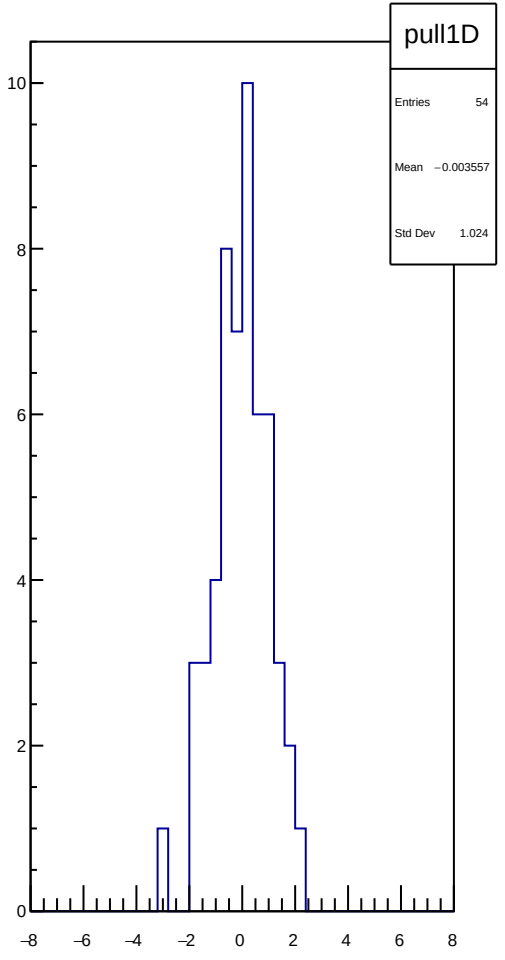

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 3.108e+04 / 53
p0 6917 ± 6.813
12000
11000
10000
9000
8000
7000
6000
5000

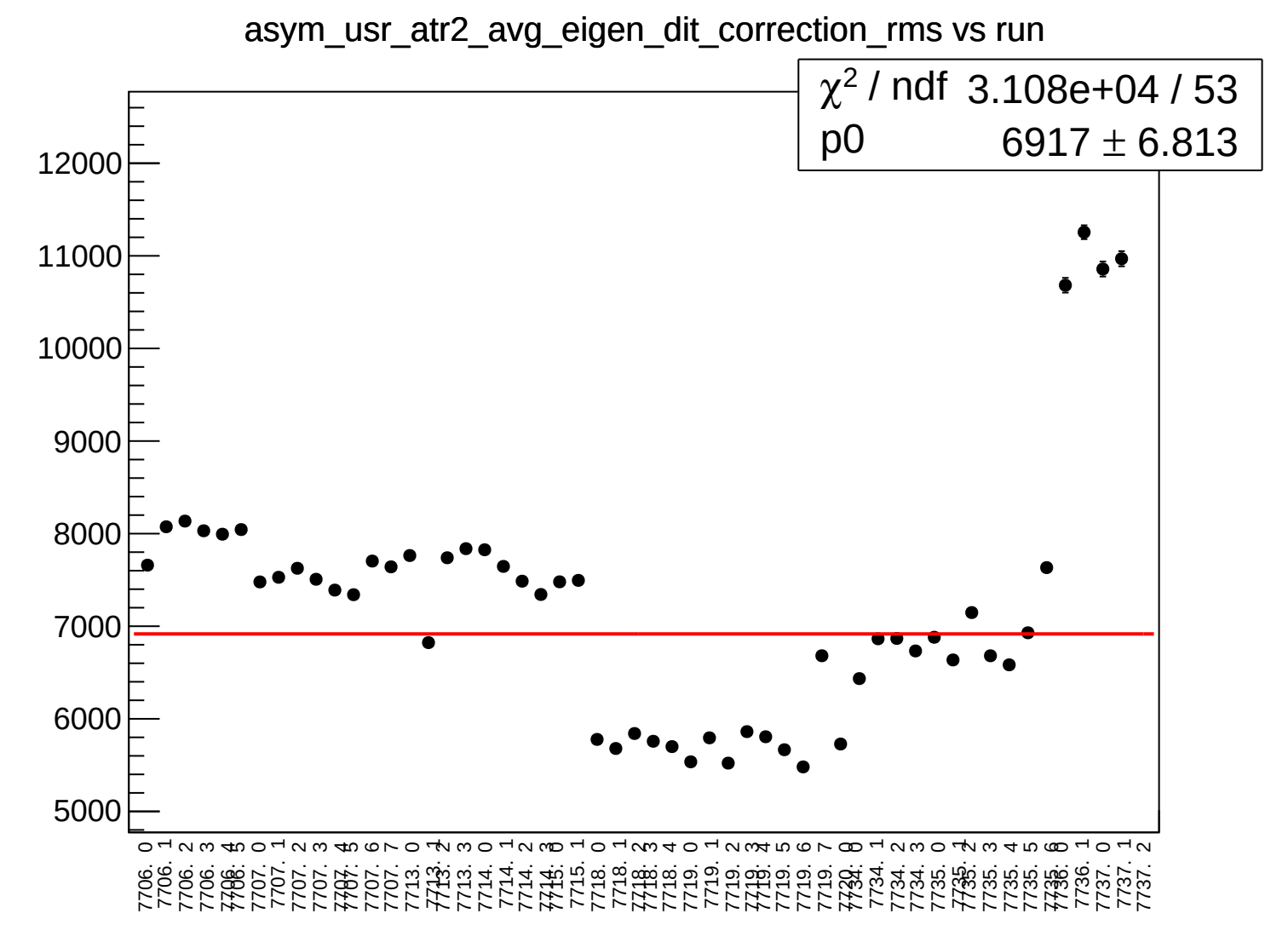

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 53.47 / 53
p0 2666 ± 2267
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 50.83
Std Dev 0
2
1
0
−1
−2

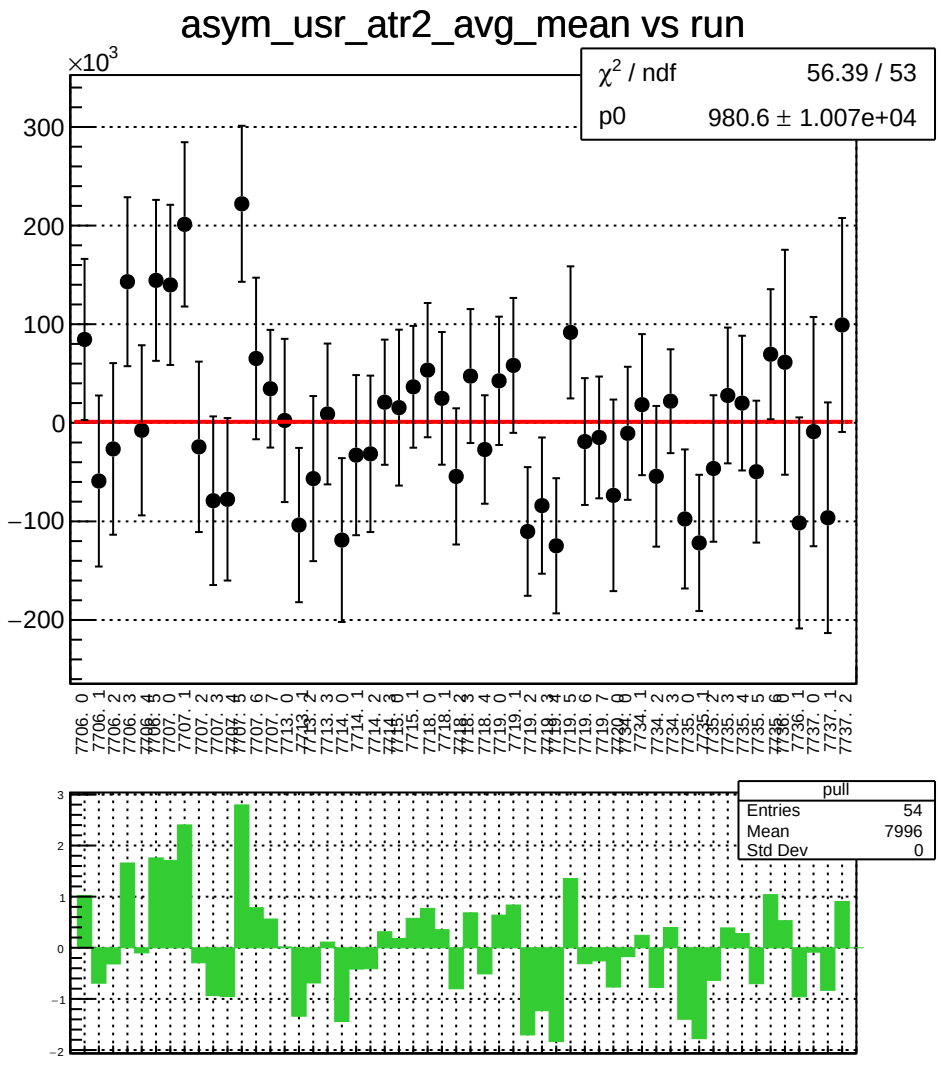

pull1D
Entries 54
Mean 0.02594
Std Dev 0.9948
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

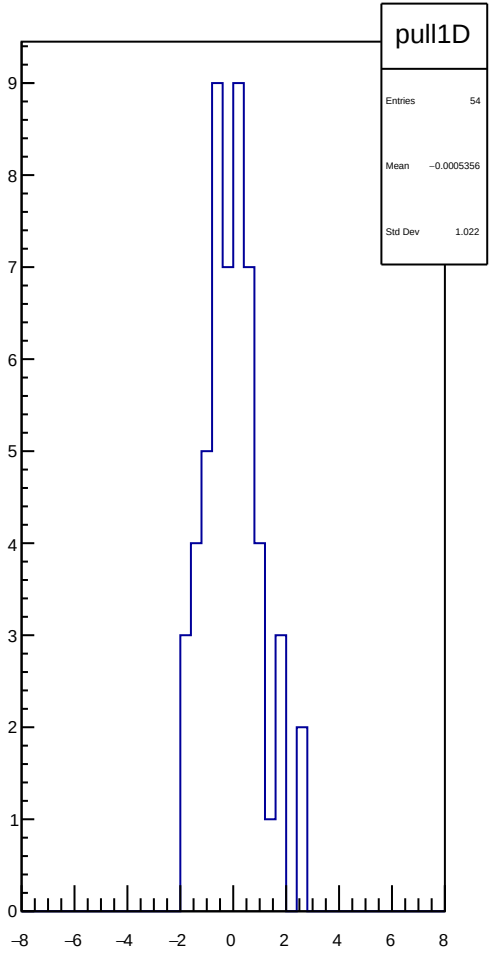

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1983 / 53
p0 1650 ± 1.603
1850
1800
1750
1700
1650
1600
1550

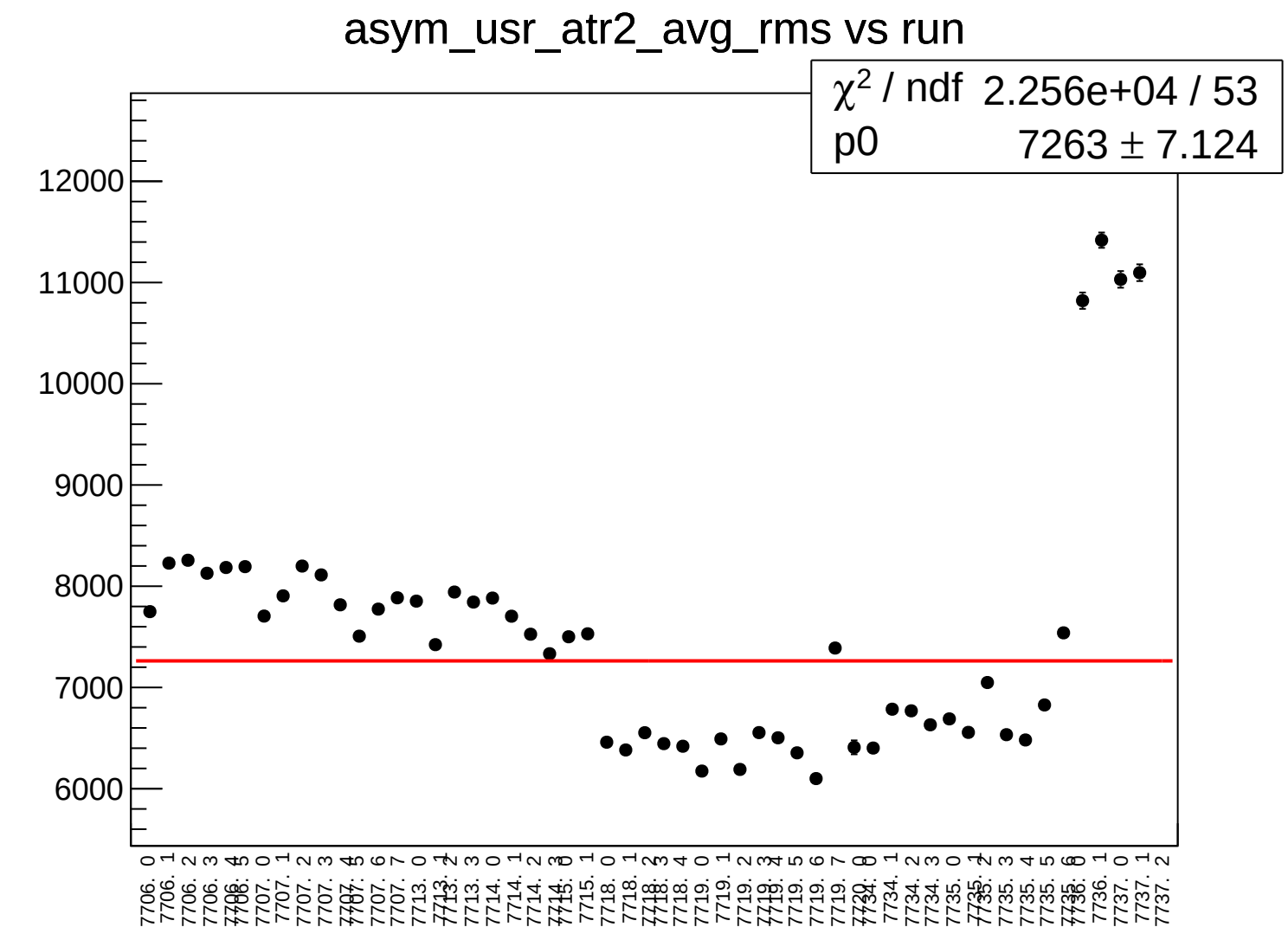

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.57 / 53
p0 3224 ± 9634
200
100
0
−100
−200
−300
pull
Entries 54
Mean −1262
Std Dev 0
2
1
0
−1
−2
−3

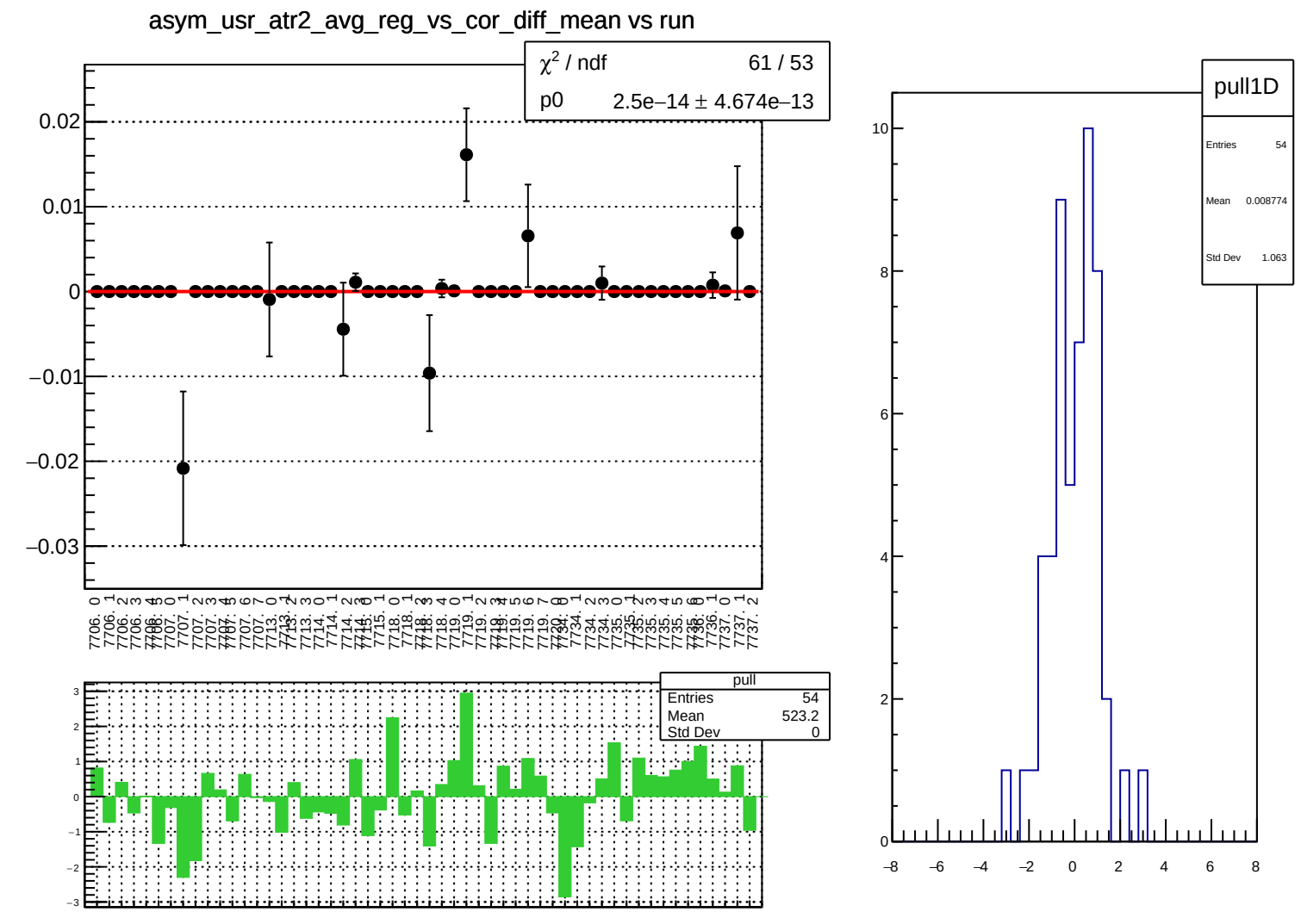

pull1D
Entries 54
Mean −0.003557
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

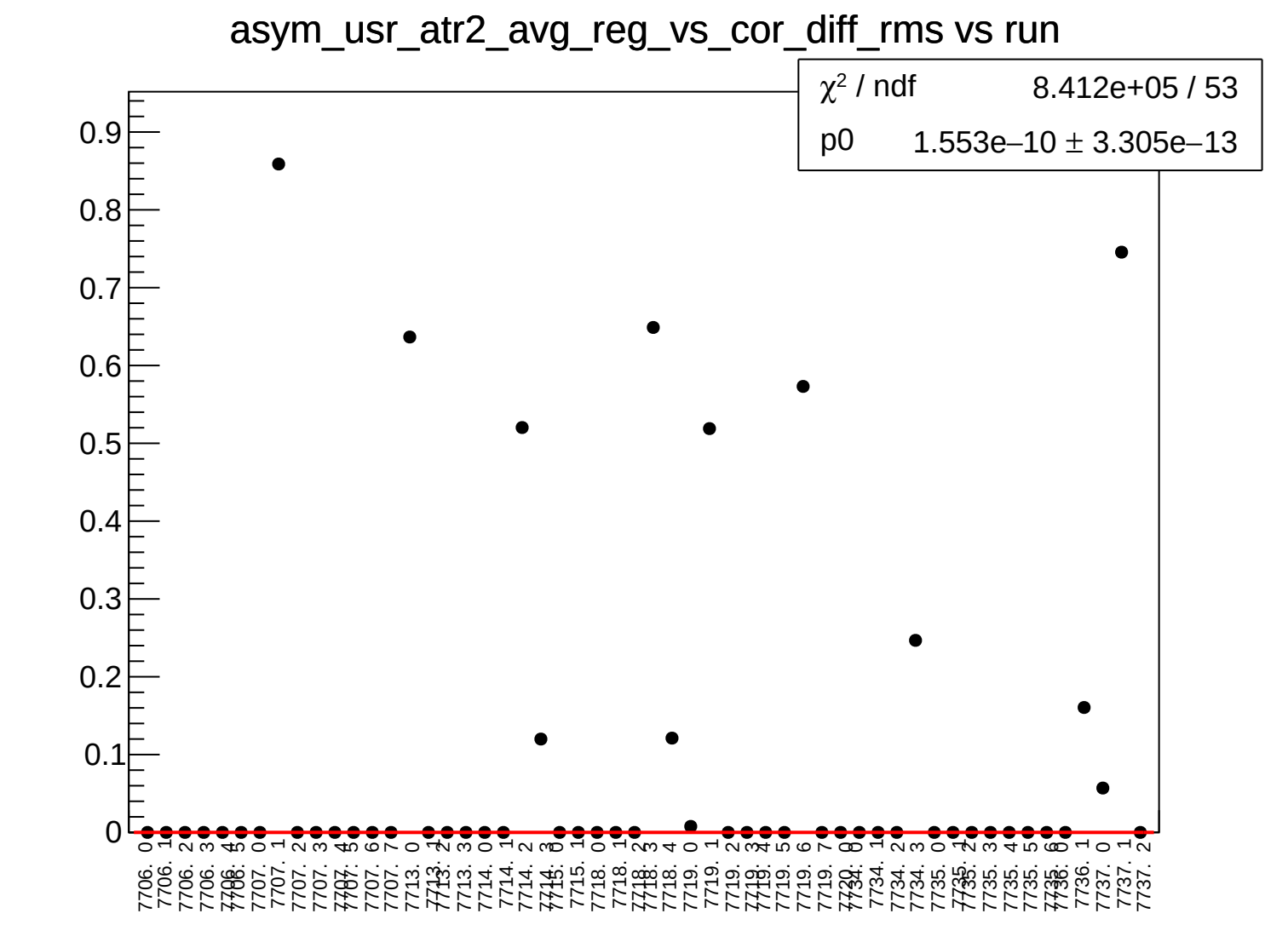

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.108e+04 / 53
p0 6917 ± 6.813
12000
11000
10000
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

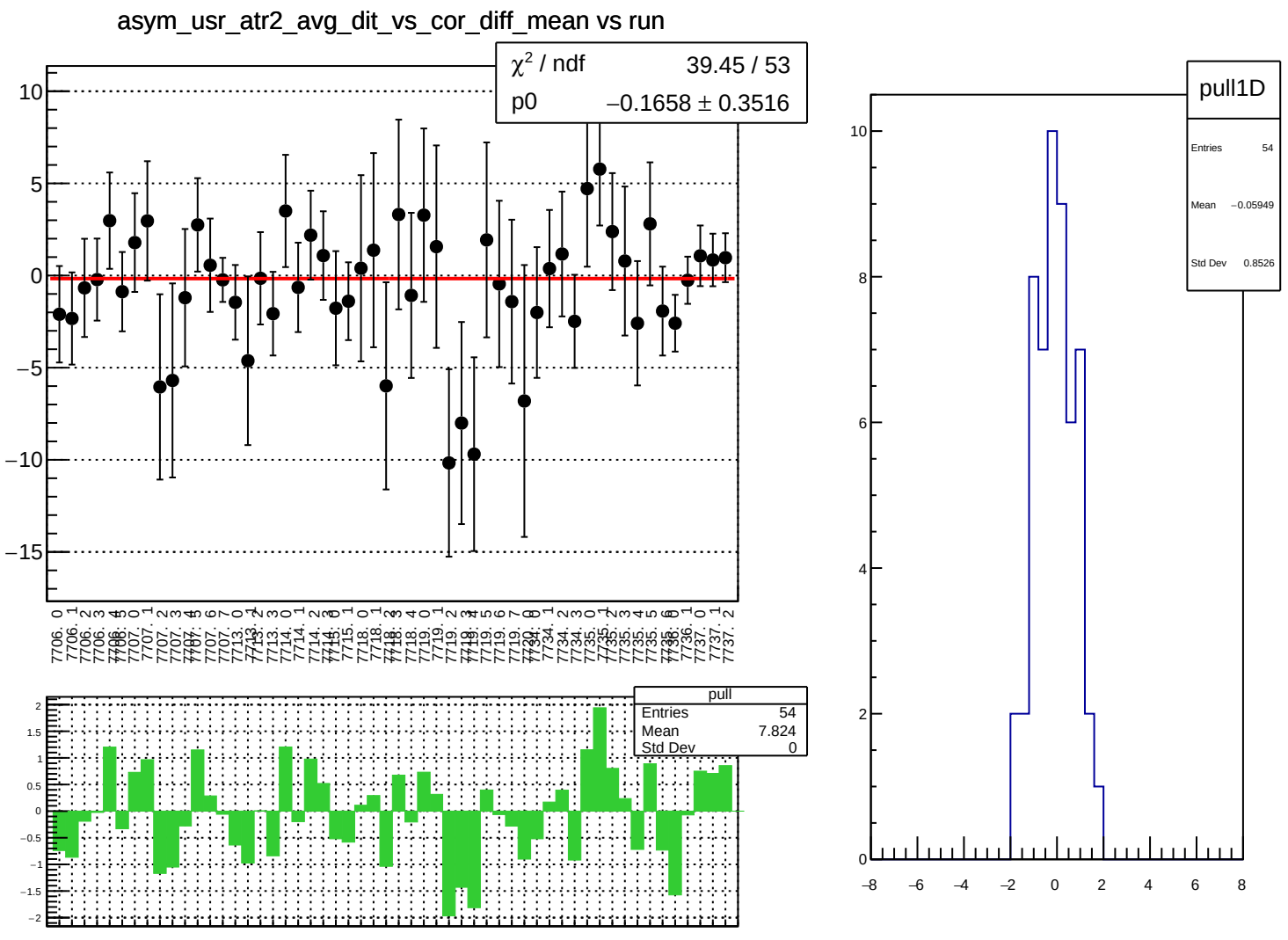

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 56.39 / 53
p0 980.6 ± 1.007e+04
300
200
100
0
−100
−200
pull
Entries 54
Mean 7996
Std Dev 0
3
2
1
0
−1
−2

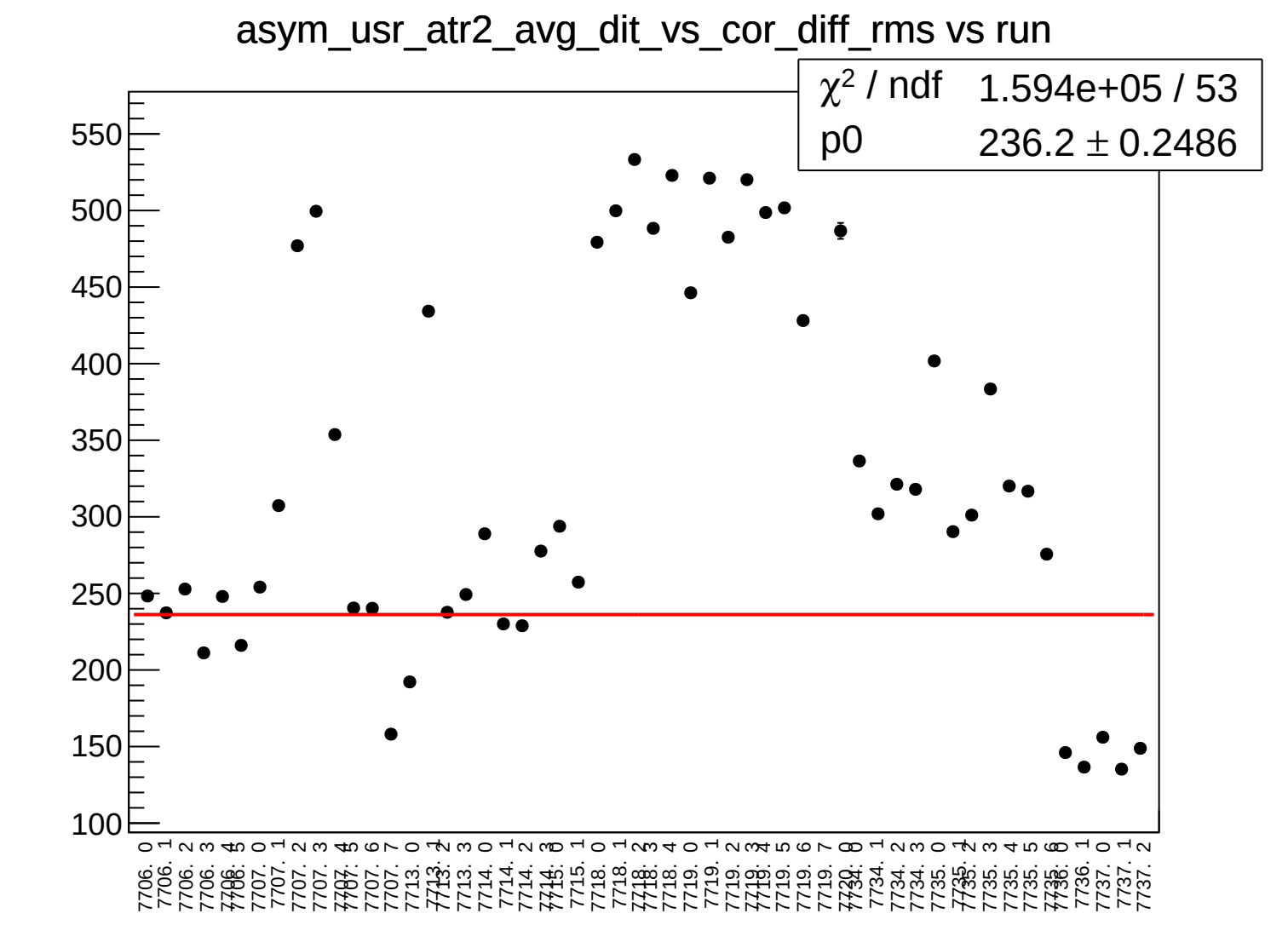

pull1D
Entries 54
Mean −0.0005356
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

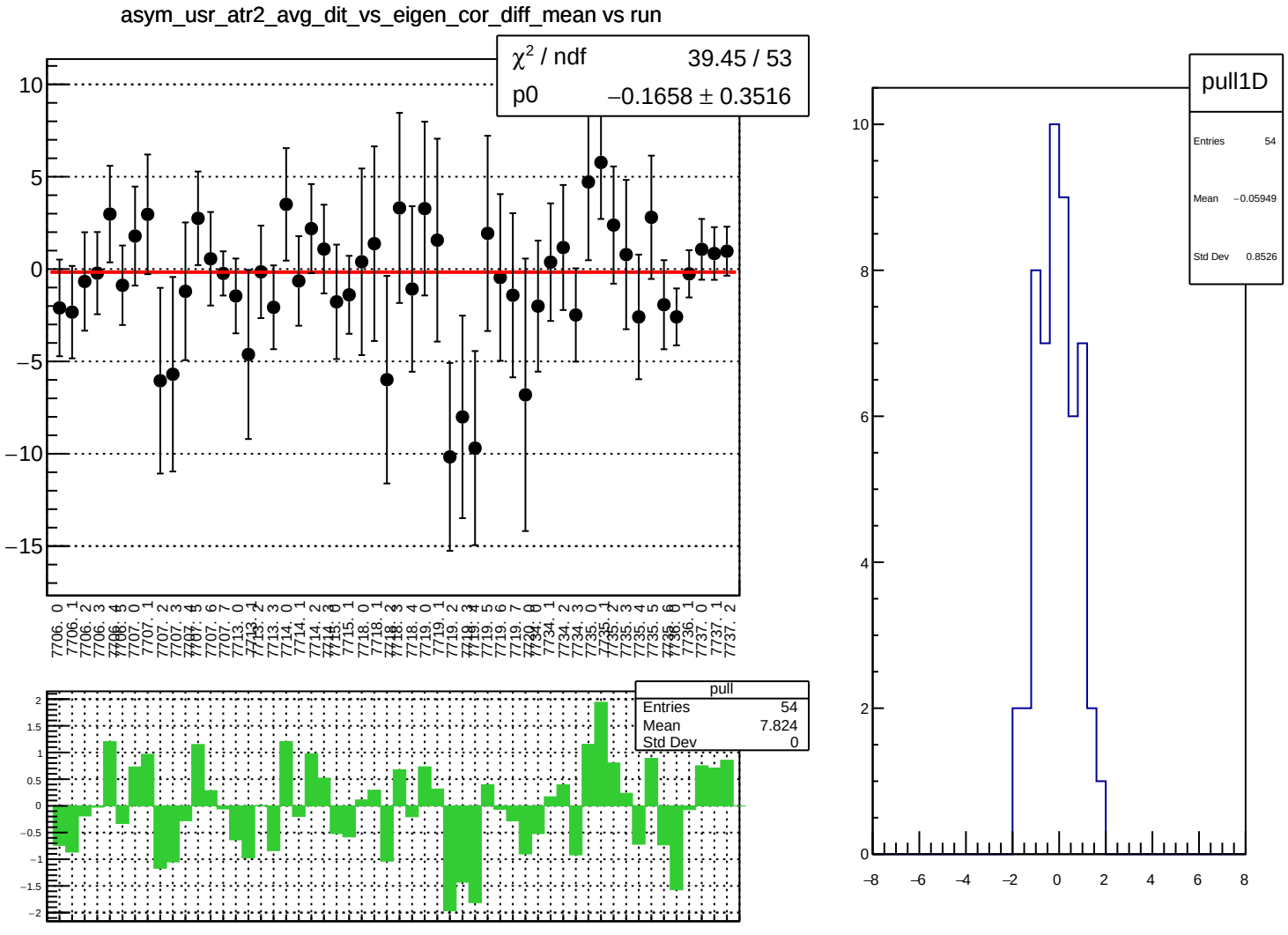

asym_usr_atr2_avg_rms vs run
χ² / ndf 2.256e+04 / 53
p0 7263 ± 7.124
12000
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

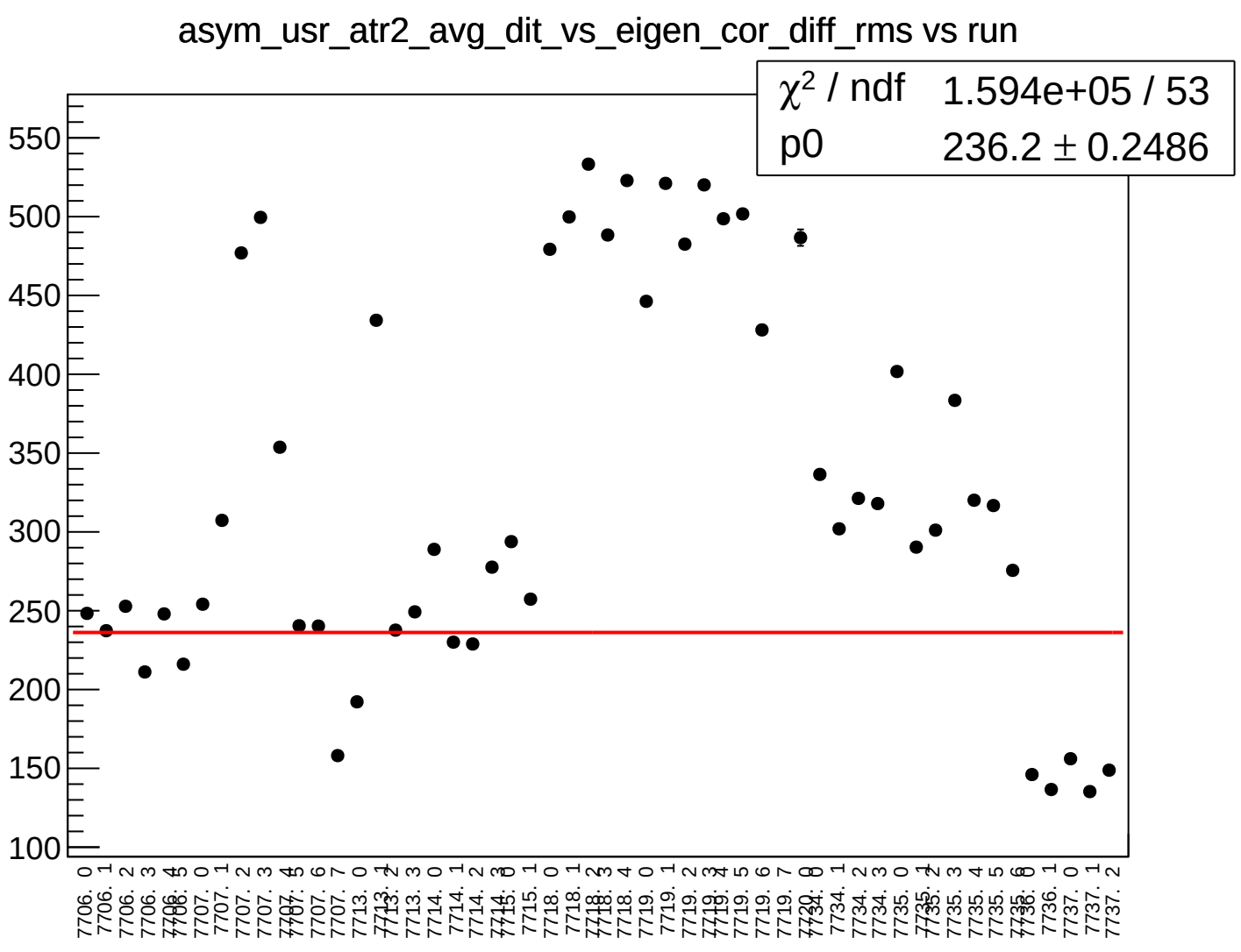

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61 / 53
p0 2.5e−14 ± 4.674e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean 523.2
Std Dev 0
pull1D
Entries 54
Mean 0.008774
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

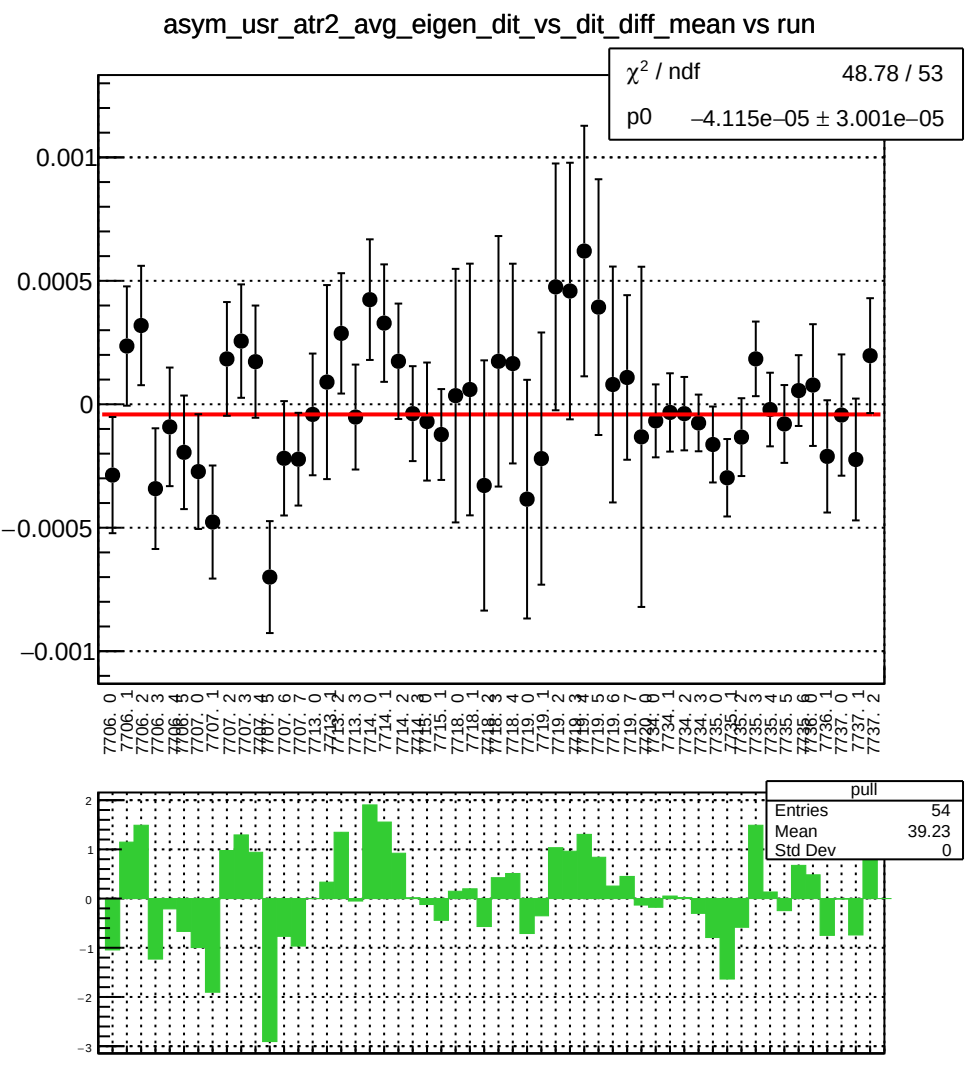

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.412e+05 / 53
p0 1.553e−10 ± 3.305e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

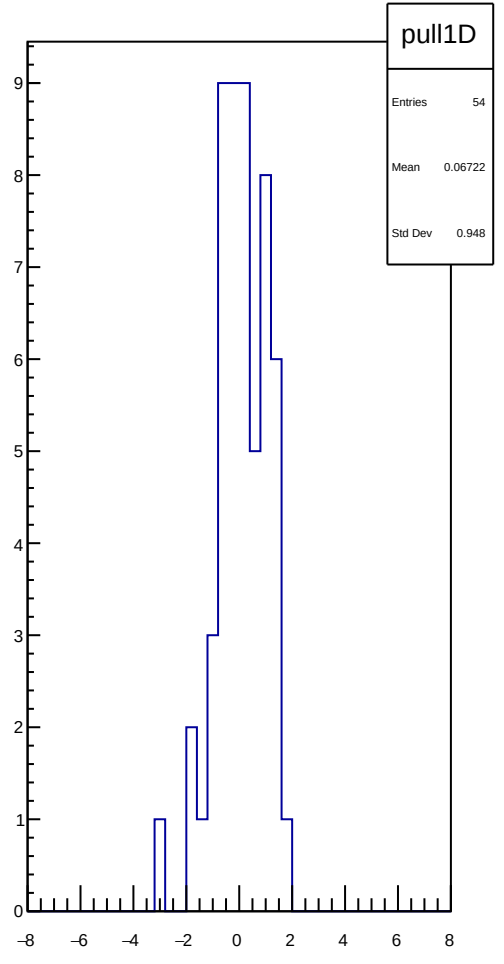

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.45 / 53
p0 −0.1658 ± 0.3516
pull
Entries 54
Mean 7.824
Std Dev 0
pull1D
Entries 54
Mean −0.05949
Std Dev 0.8526

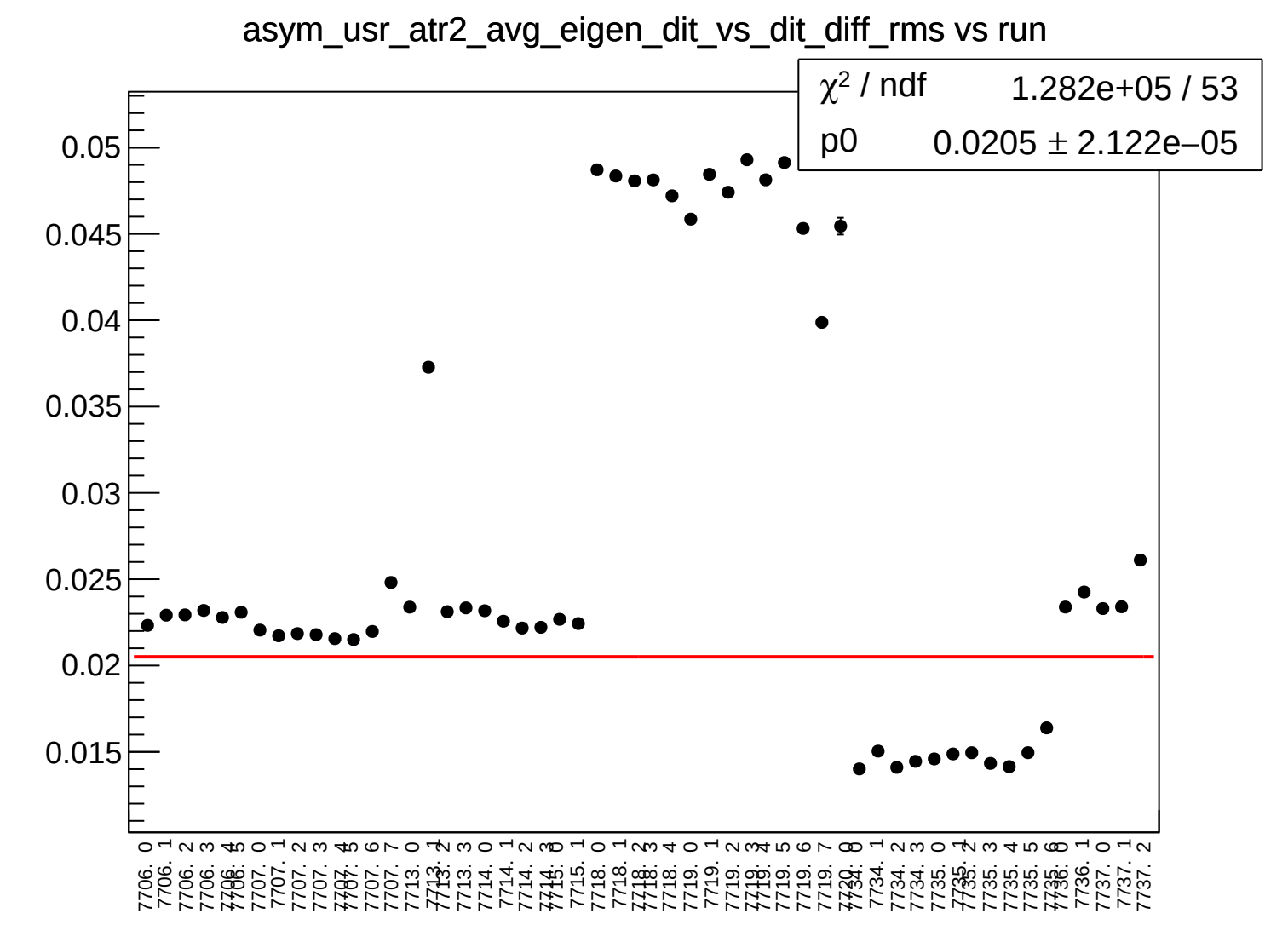

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.594e+05 / 53
p0 236.2 ± 0.2486
550
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7715. 1
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

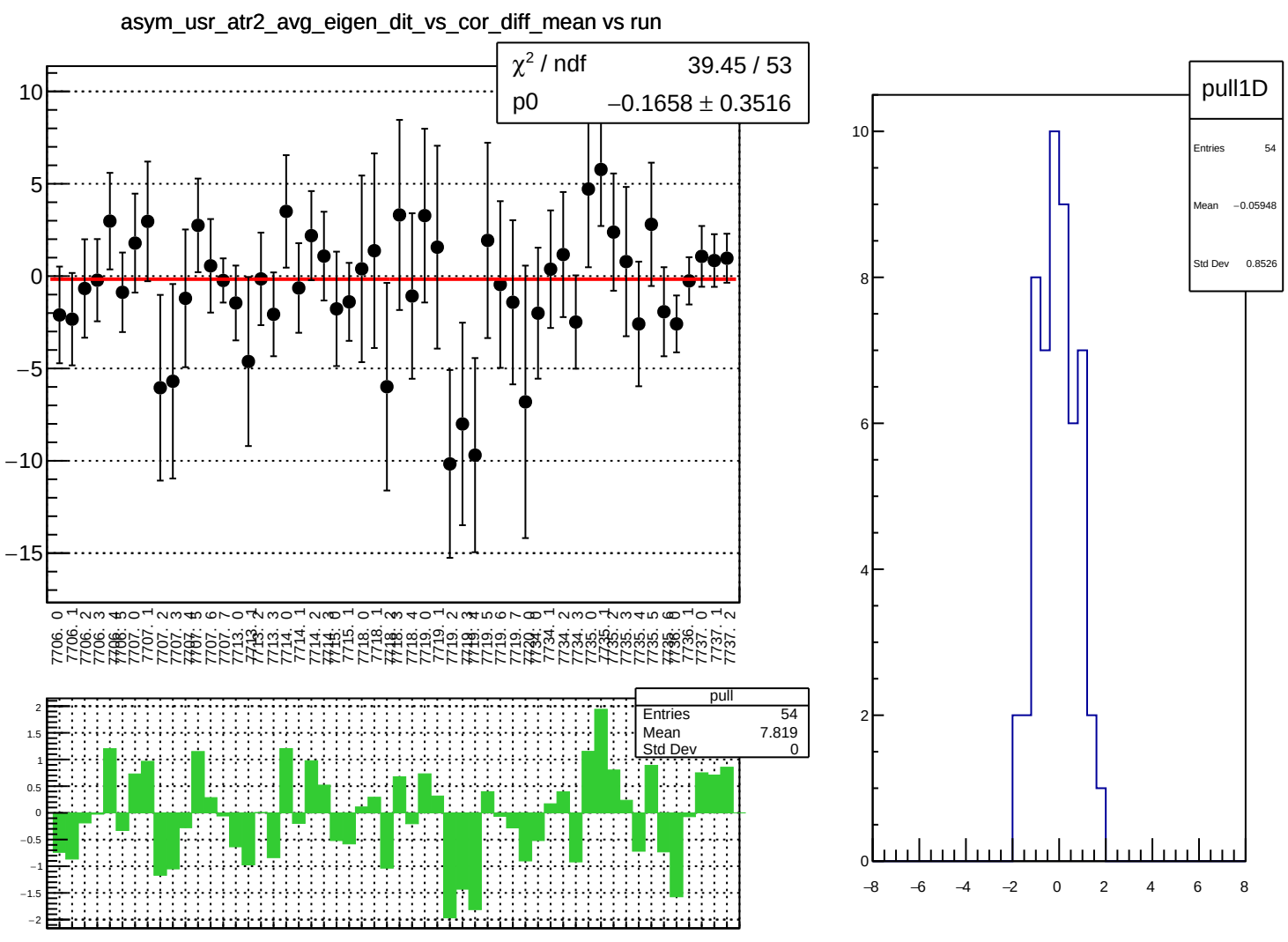

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.45 / 53
p0 −0.1658 ± 0.3516
pull
Entries 54
Mean 7.824
Std Dev 0
pull1D
Entries 54
Mean −0.05949
Std Dev 0.8526

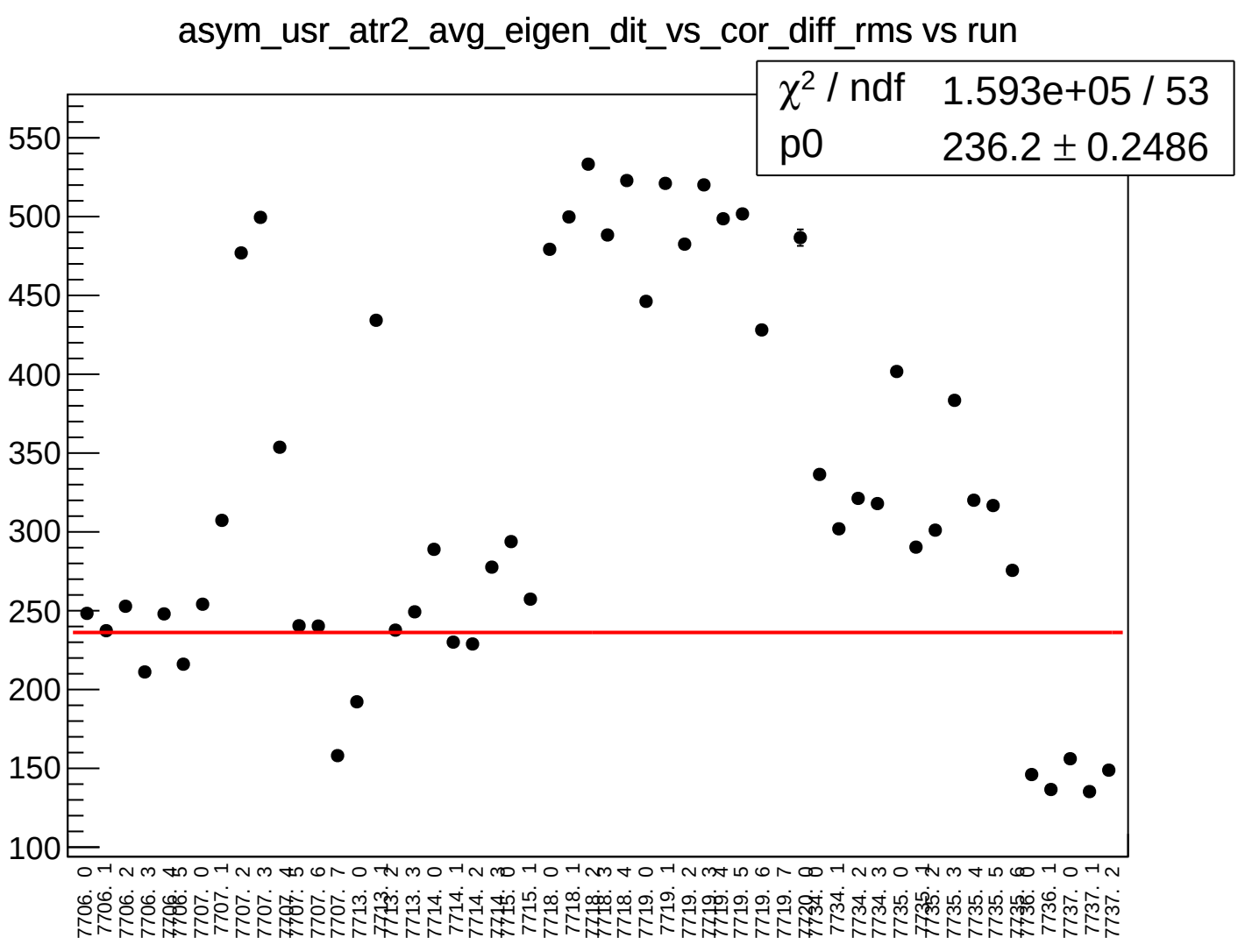

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.594e+05 / 53
p0 236.2 ± 0.2486
550
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

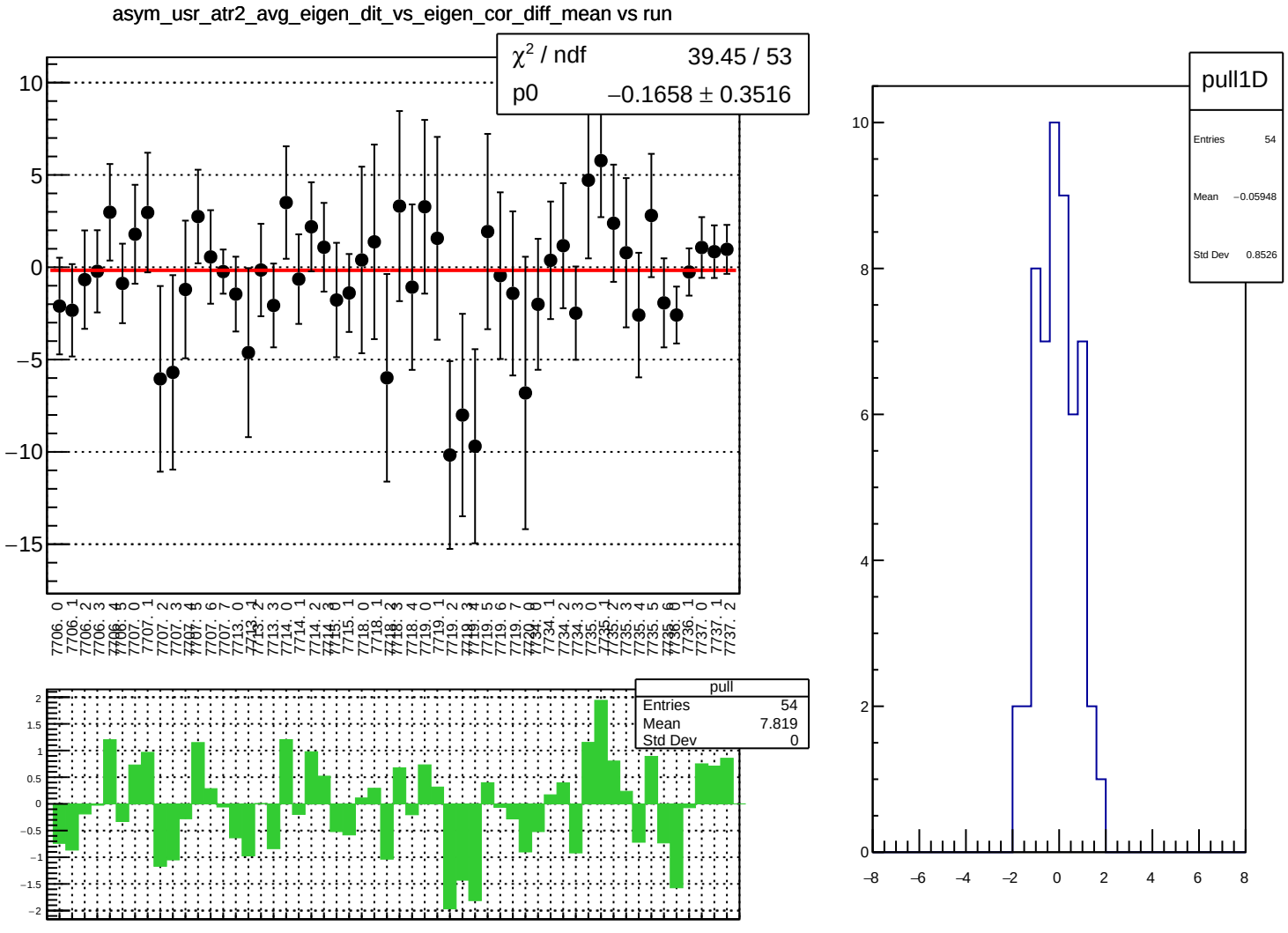

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.78 / 53
p0 −4.115e−05 ± 3.001e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 39.23
Std Dev 0
2
1
0
−1
−2
−3

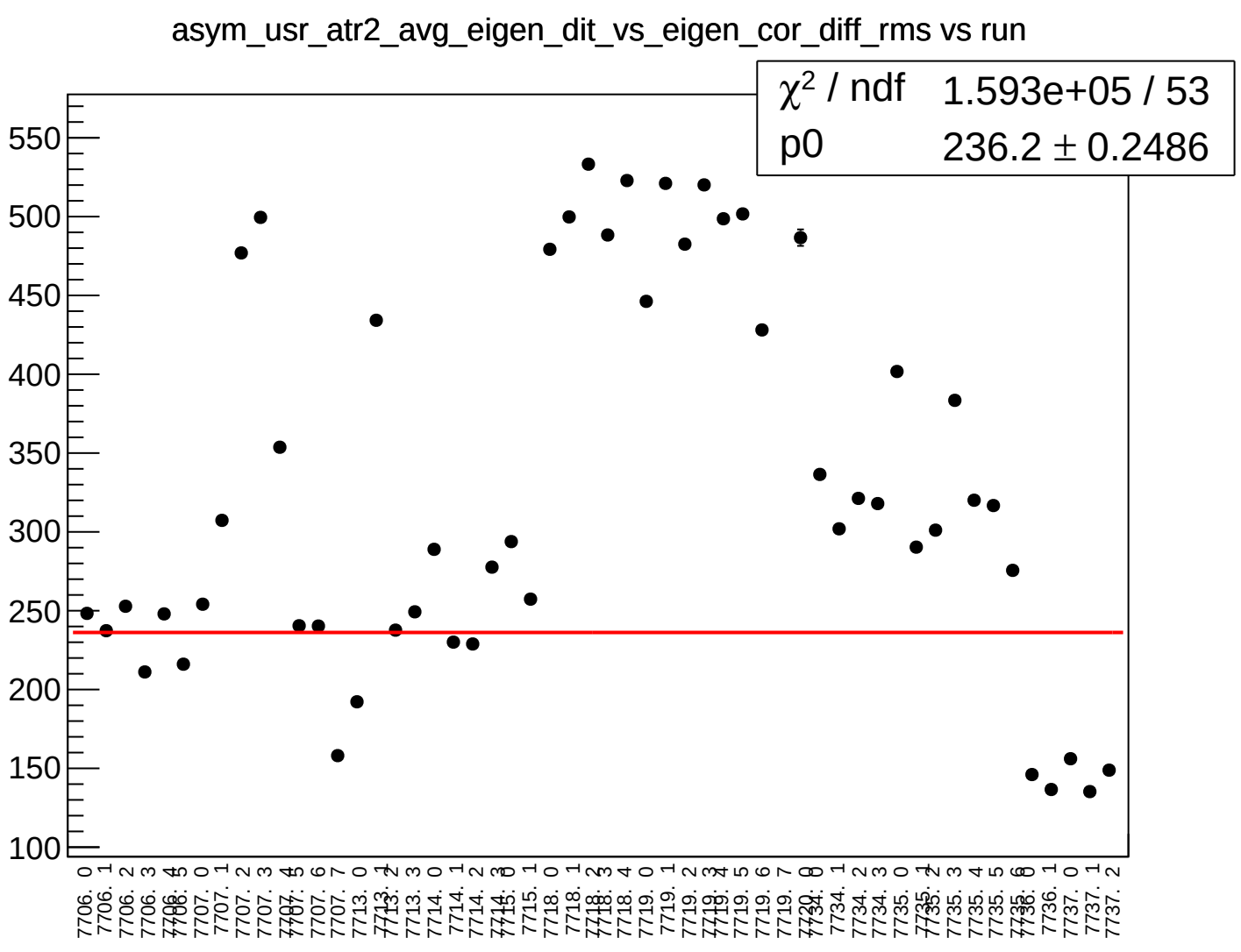

pull1D
Entries 54
Mean 0.06722
Std Dev 0.948
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

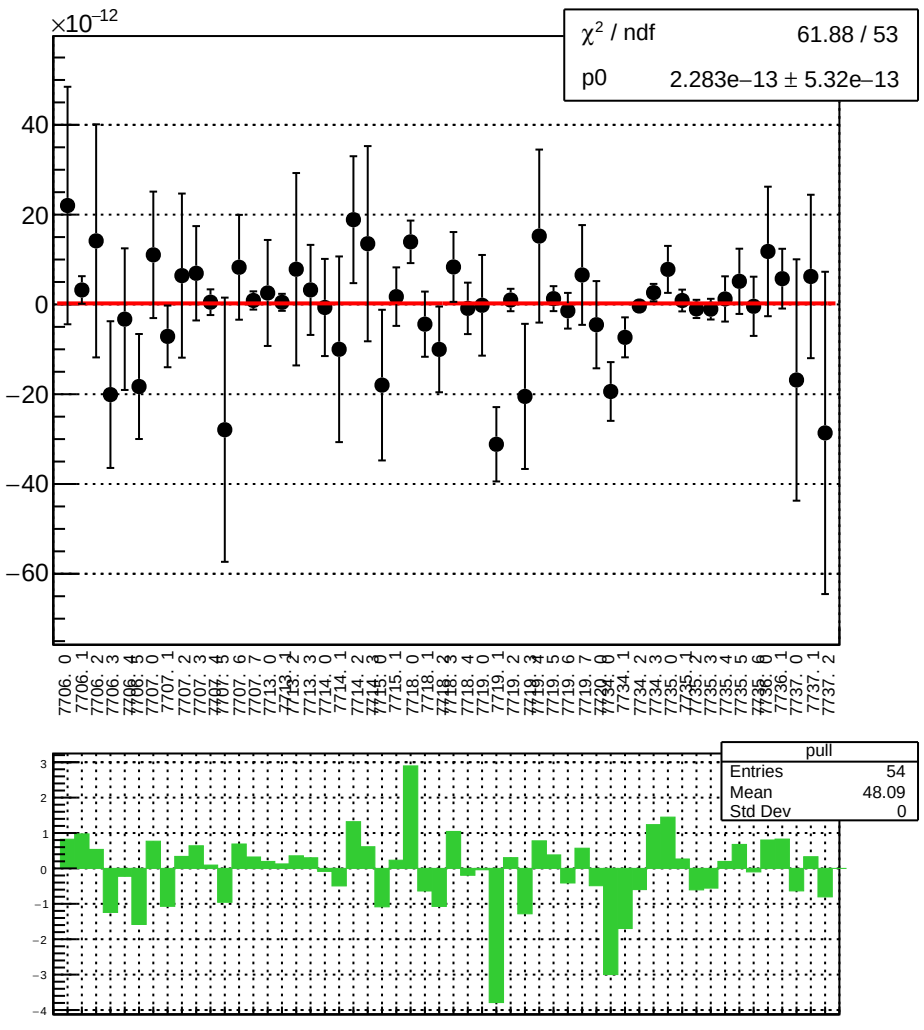

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.282e+05 / 53
p0 0.0205 ± 2.122e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

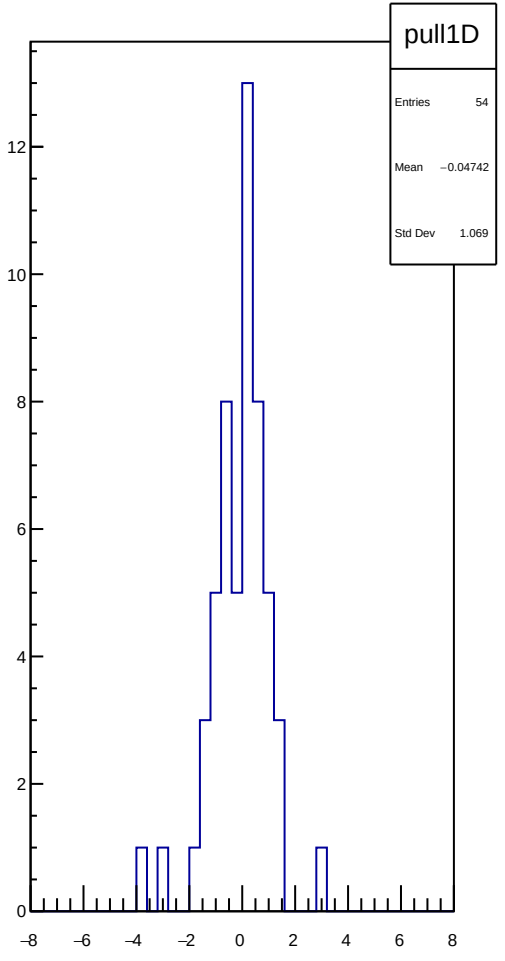

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.45 / 53
p0 −0.1658 ± 0.3516
pull
Entries 54
Mean 7.819
Std Dev 0
pull1D
Entries 54
Mean −0.05948
Std Dev 0.8526

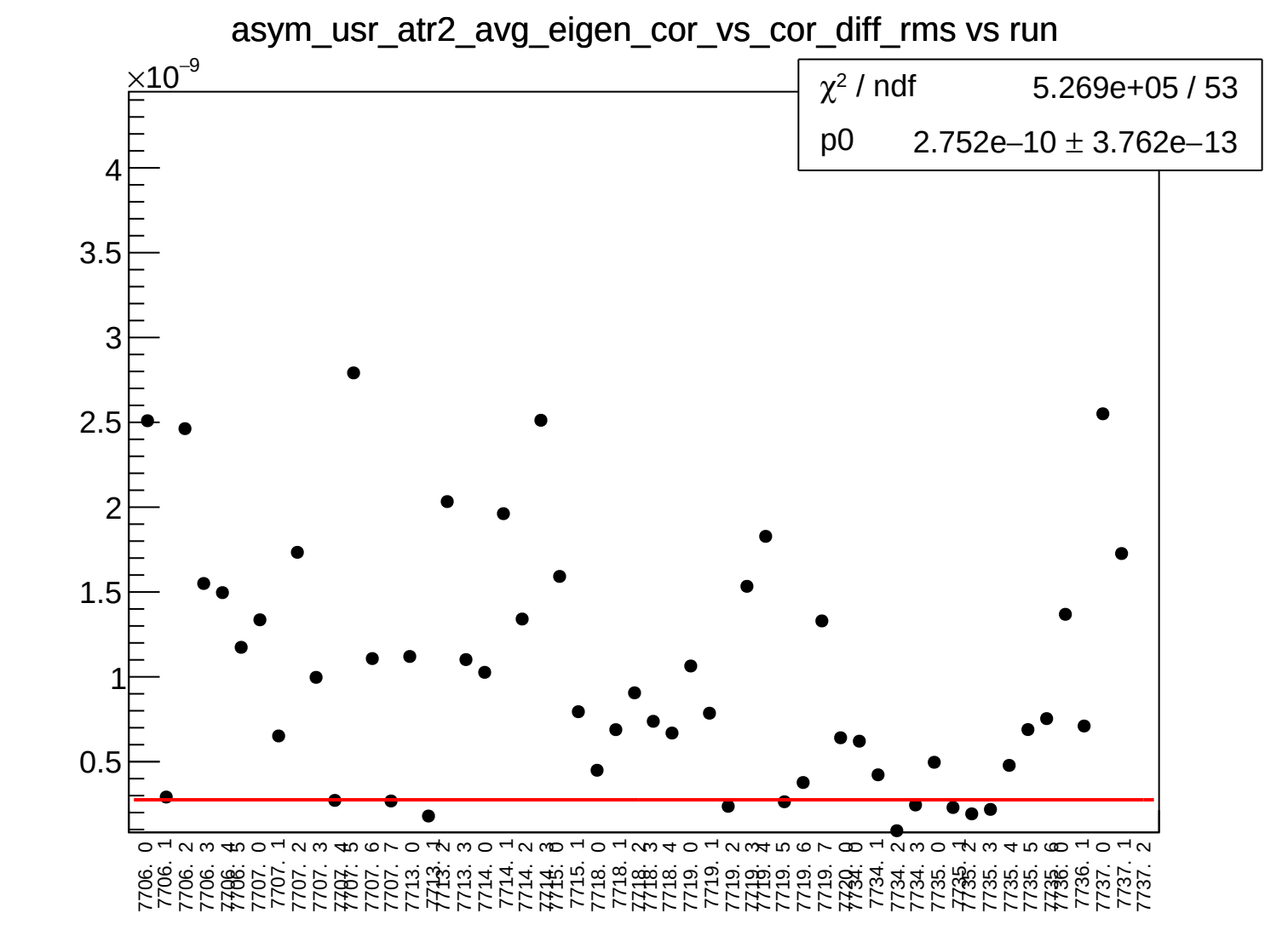

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.593e+05 / 53
p0 236.2 ± 0.2486
550
500
450
400
350
300
250
200
150
100

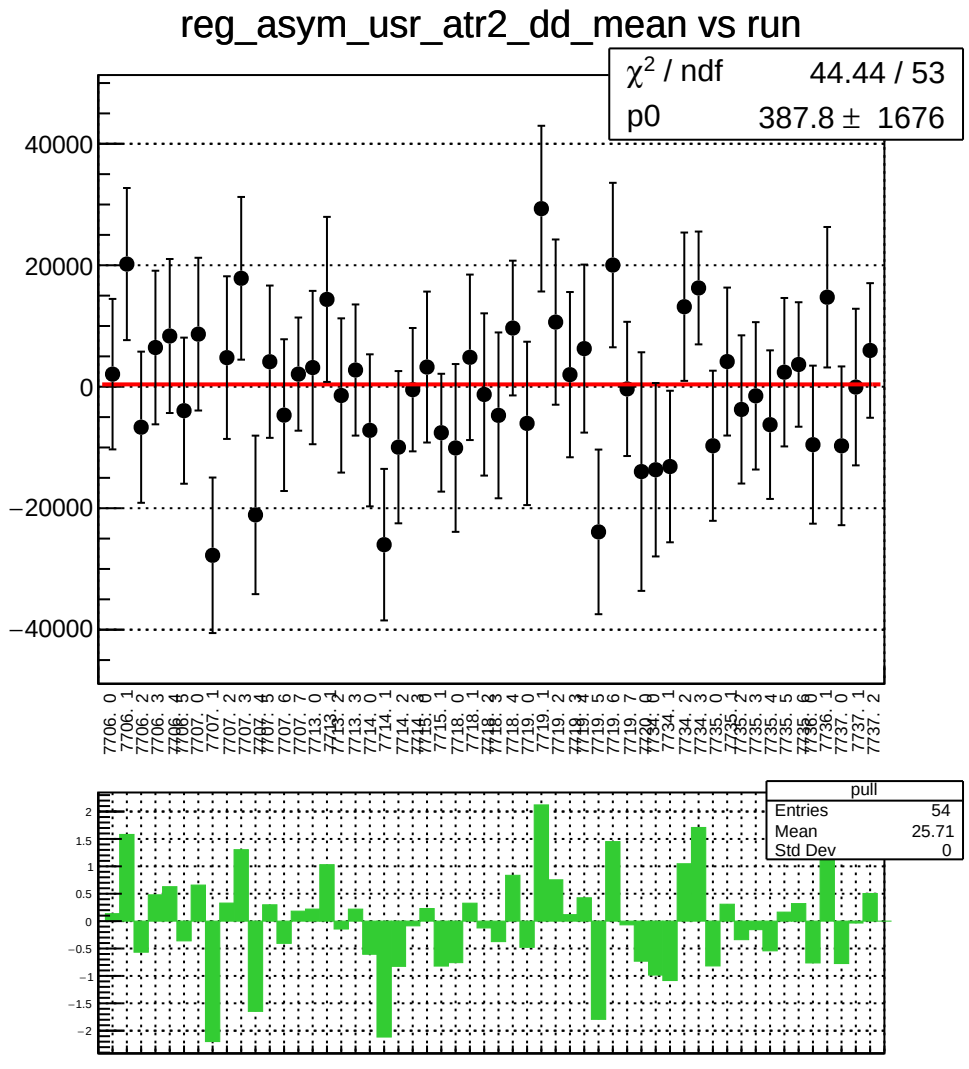

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.45 / 53
p0 −0.1658 ± 0.3516
pull
Entries 54
Mean 7.819
Std Dev 0
pull1D
Entries 54
Mean −0.05948
Std Dev 0.8526

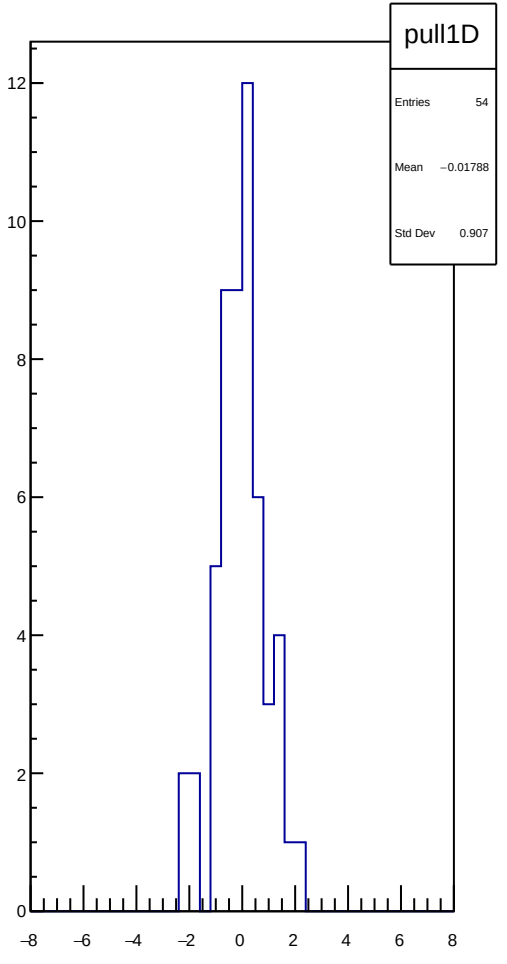

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.593e+05 / 53
p0 236.2 ± 0.2486
550
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

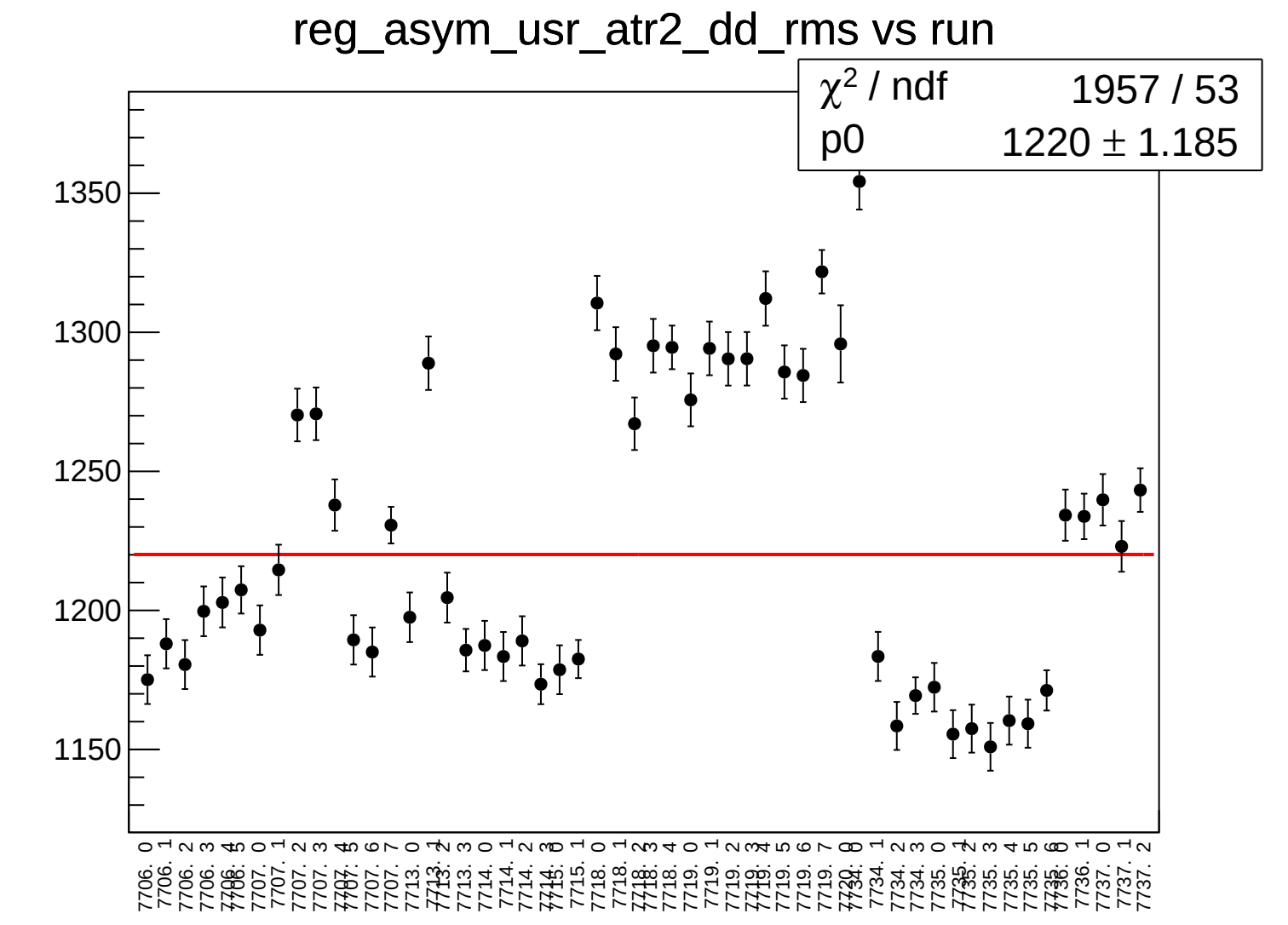

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.88 / 53
p0 2.283e−13 ± 5.32e−13
40
20
0
−20
−40
−60
pull
Entries 54
Mean 48.09
Std Dev 0
3
2
1
0
−1
−2
−3
−4

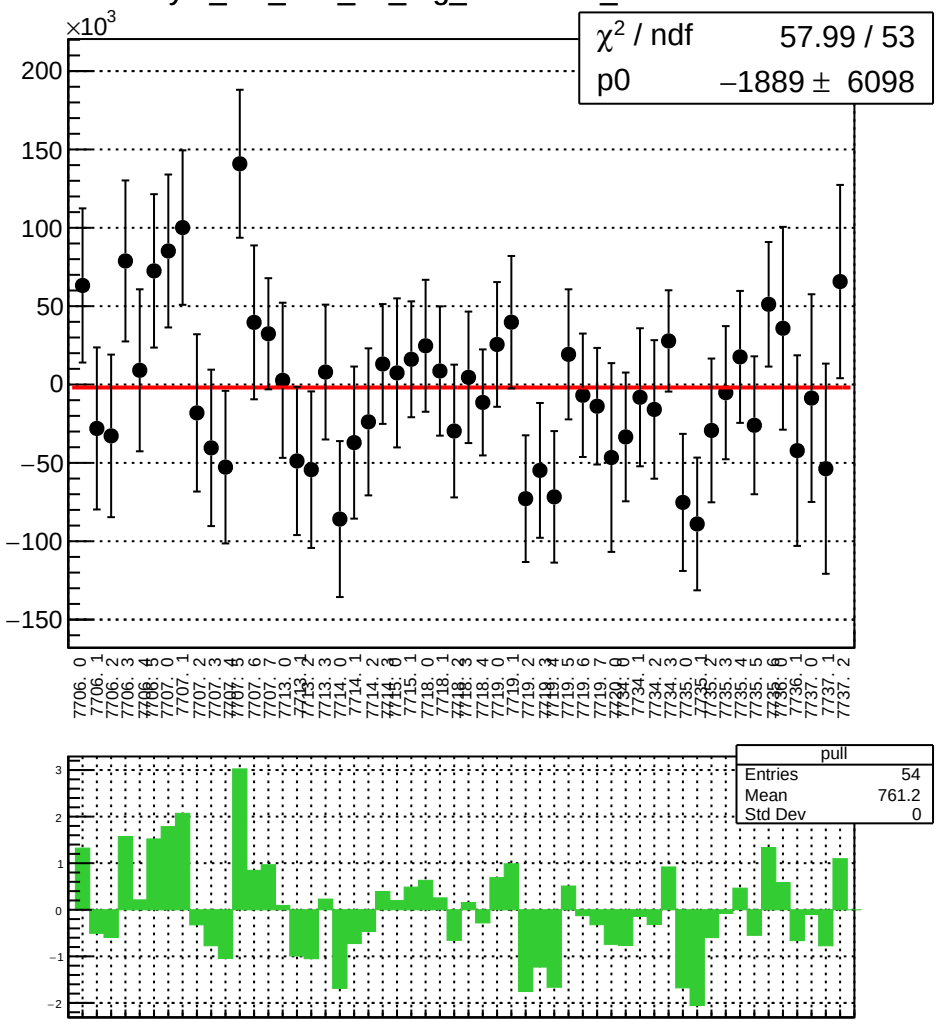

pull1D
Entries 54
Mean −0.04742
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

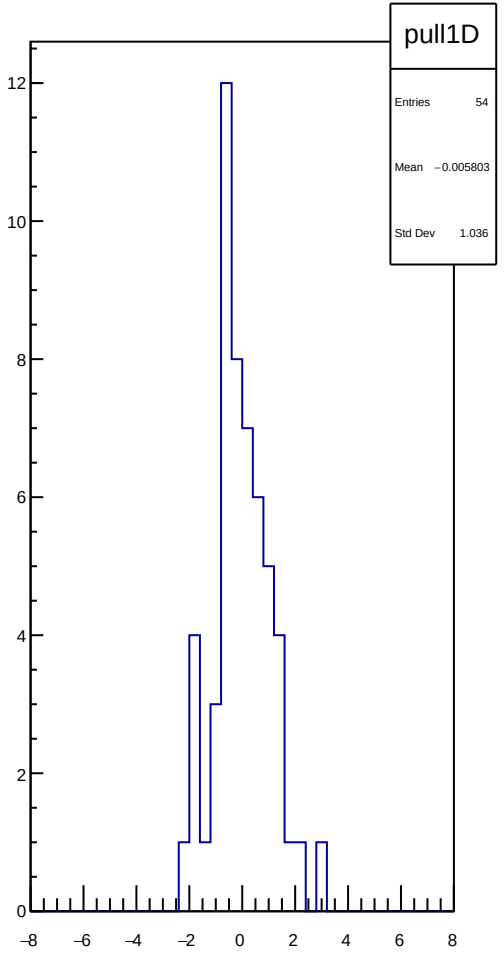

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.269e+05 / 53
p0 2.752e−10 ± 3.762e−13
4
3.5
3
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

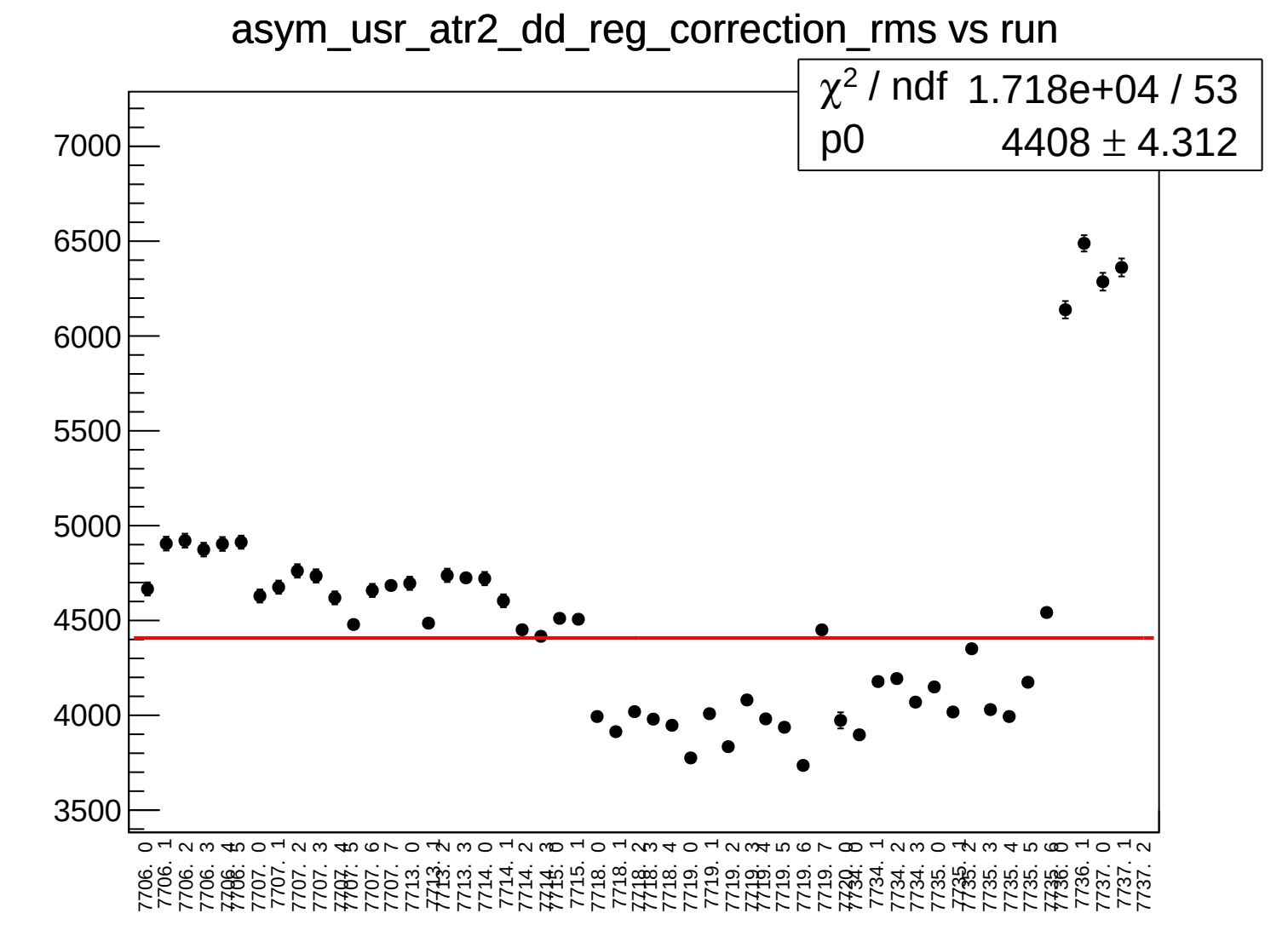

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.44 / 53
p0 387.8 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 25.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

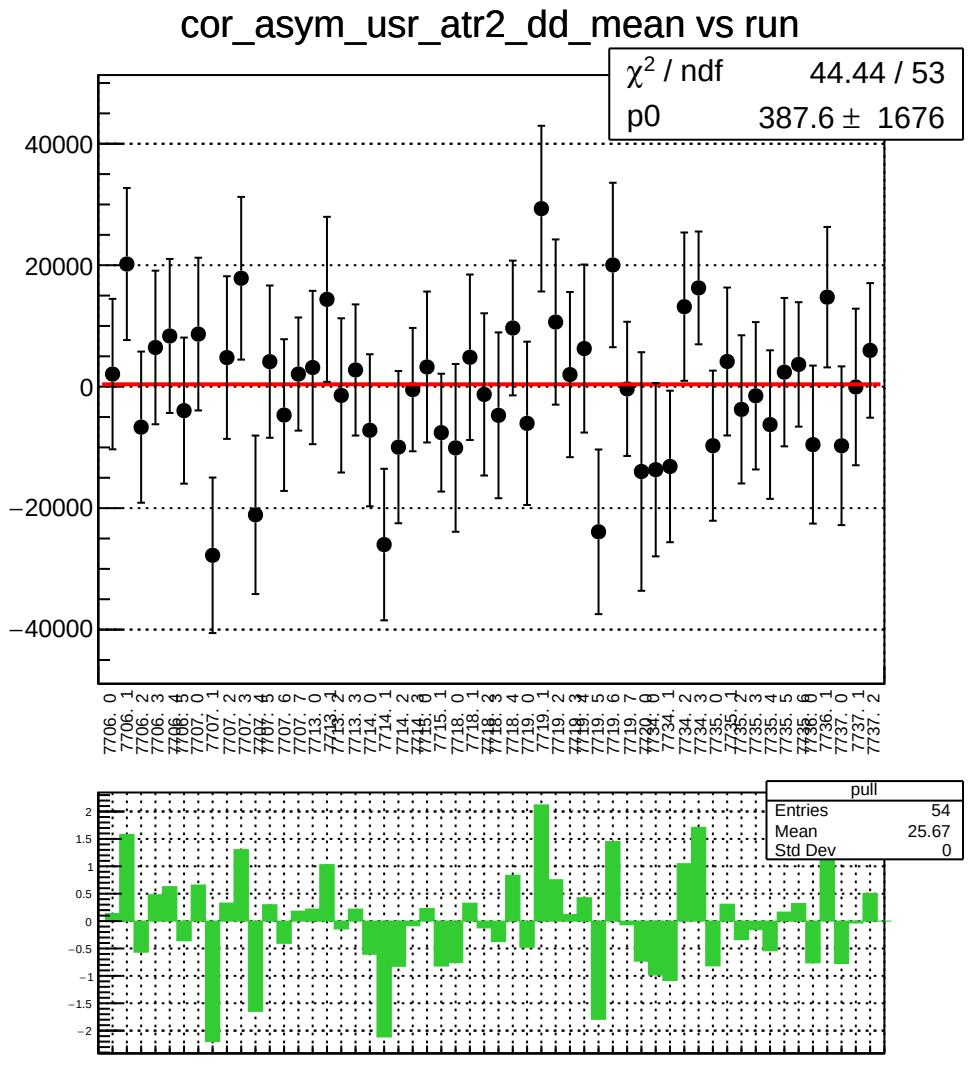

pull1D
Entries 54
Mean −0.01788
Std Dev 0.907
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

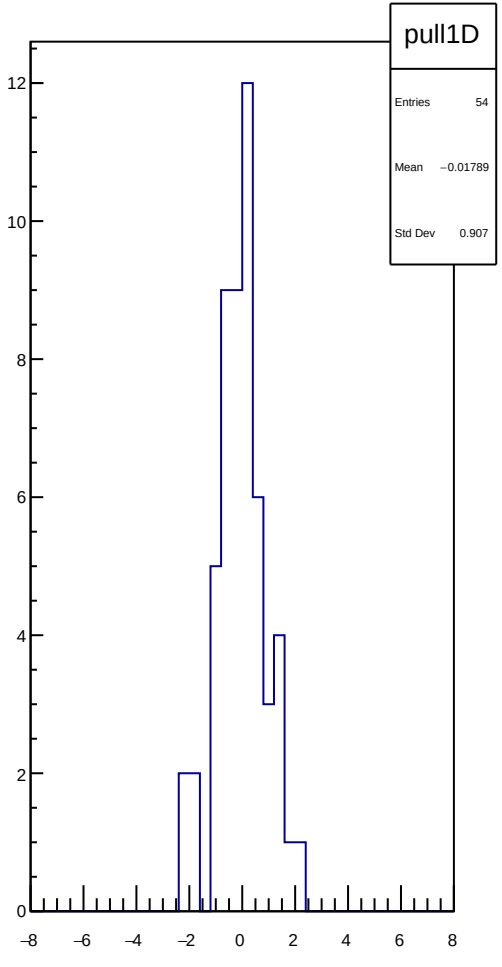

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 1957 / 53
p0 1220 ± 1.185
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

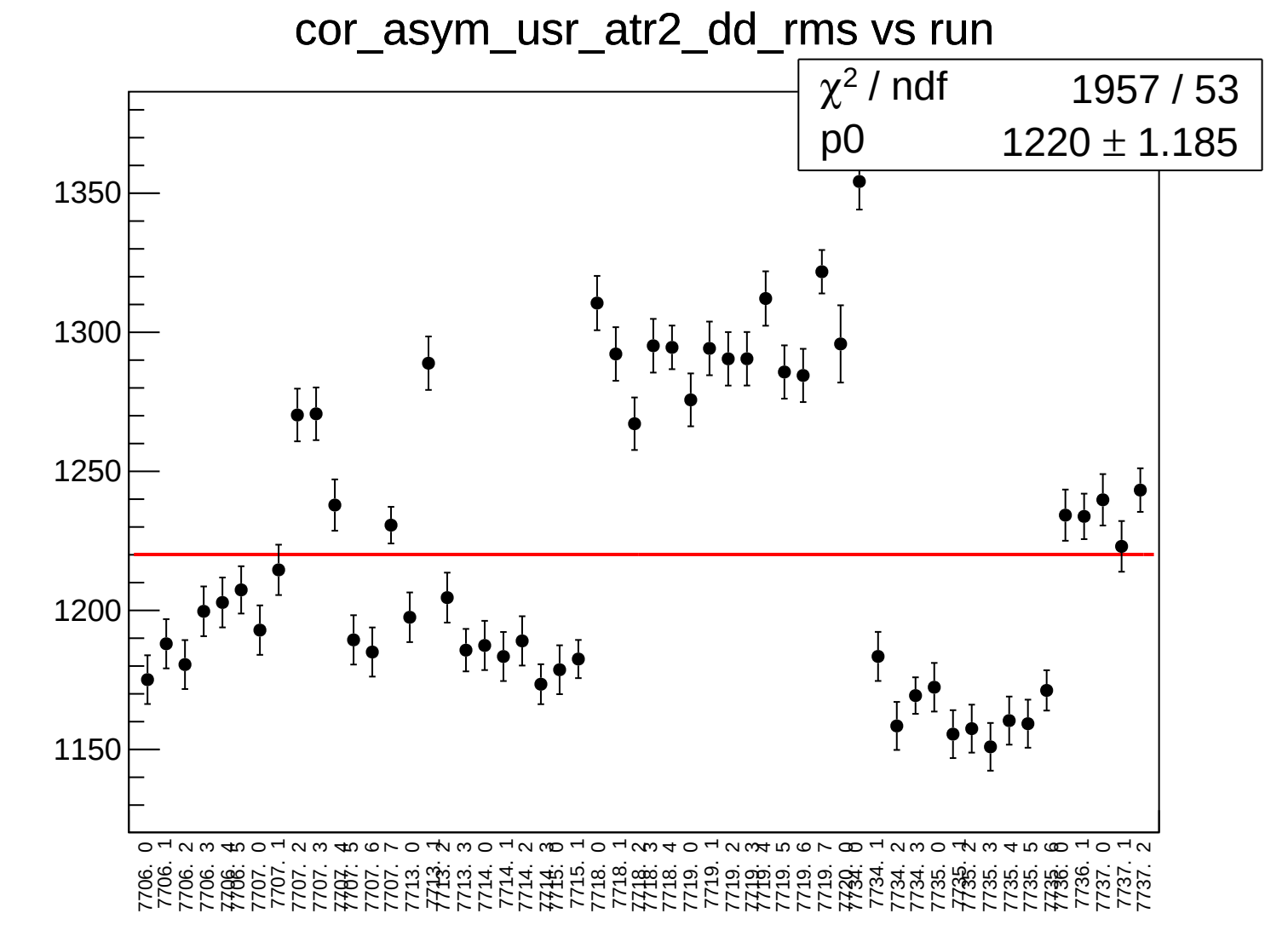

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 57.99 / 53
p0 −1889 ± 6098
pull
Entries 54
Mean 761.2
Std Dev 0

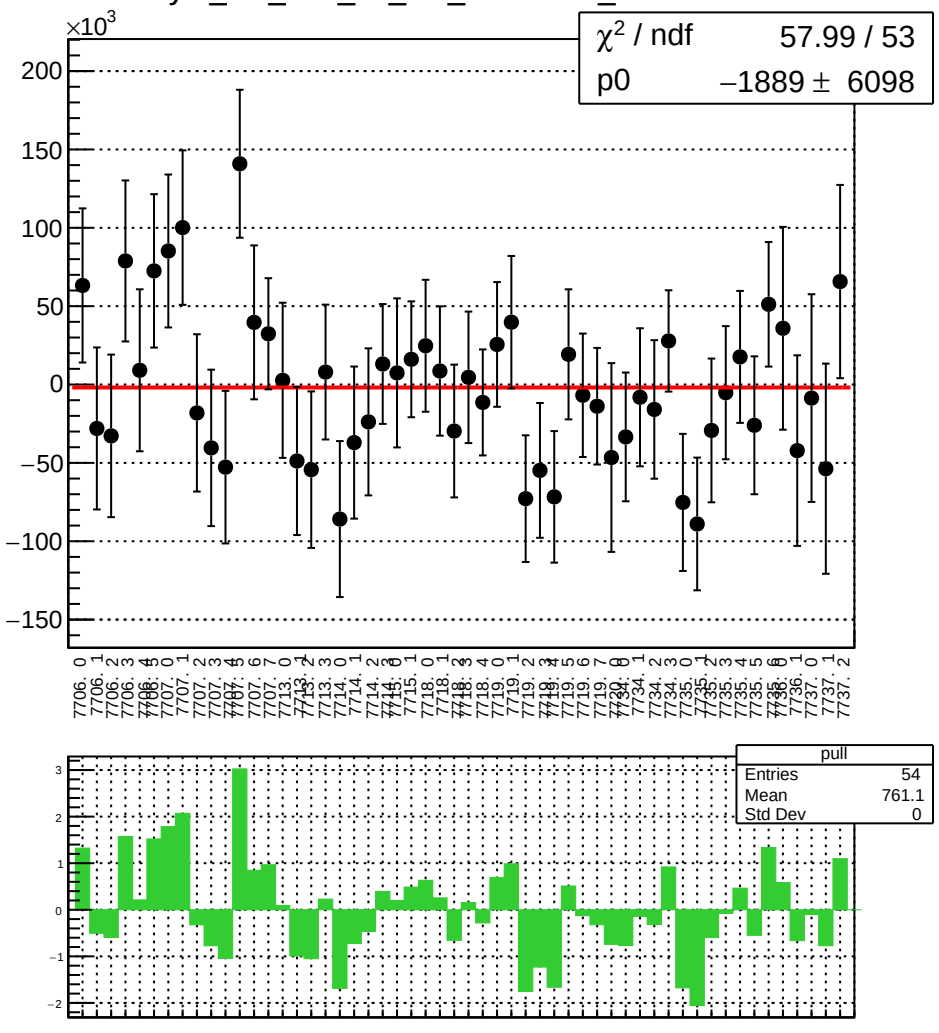

pull1D
Entries 54
Mean −0.005803
Std Dev 1.036

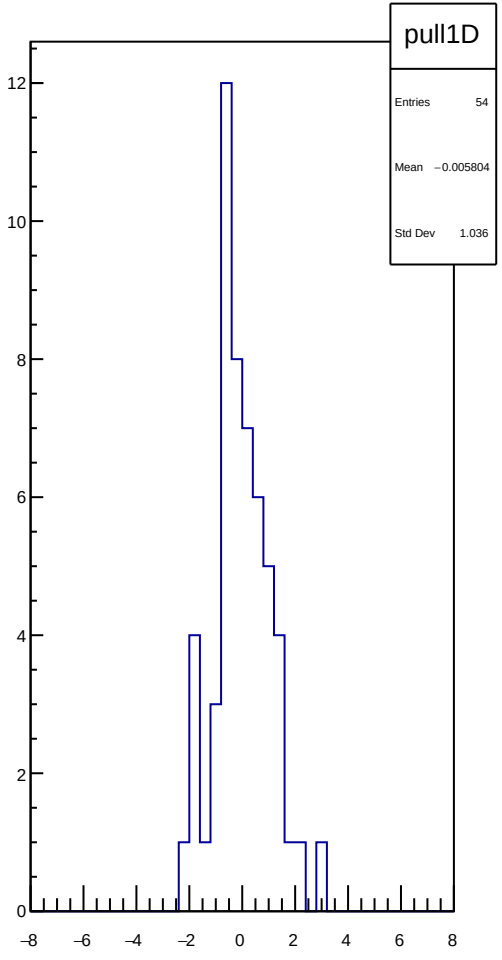

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1.718e+04 / 53
p0 4408 ± 4.312
7000
6500
6000
5500
5000
4500
4000
3500

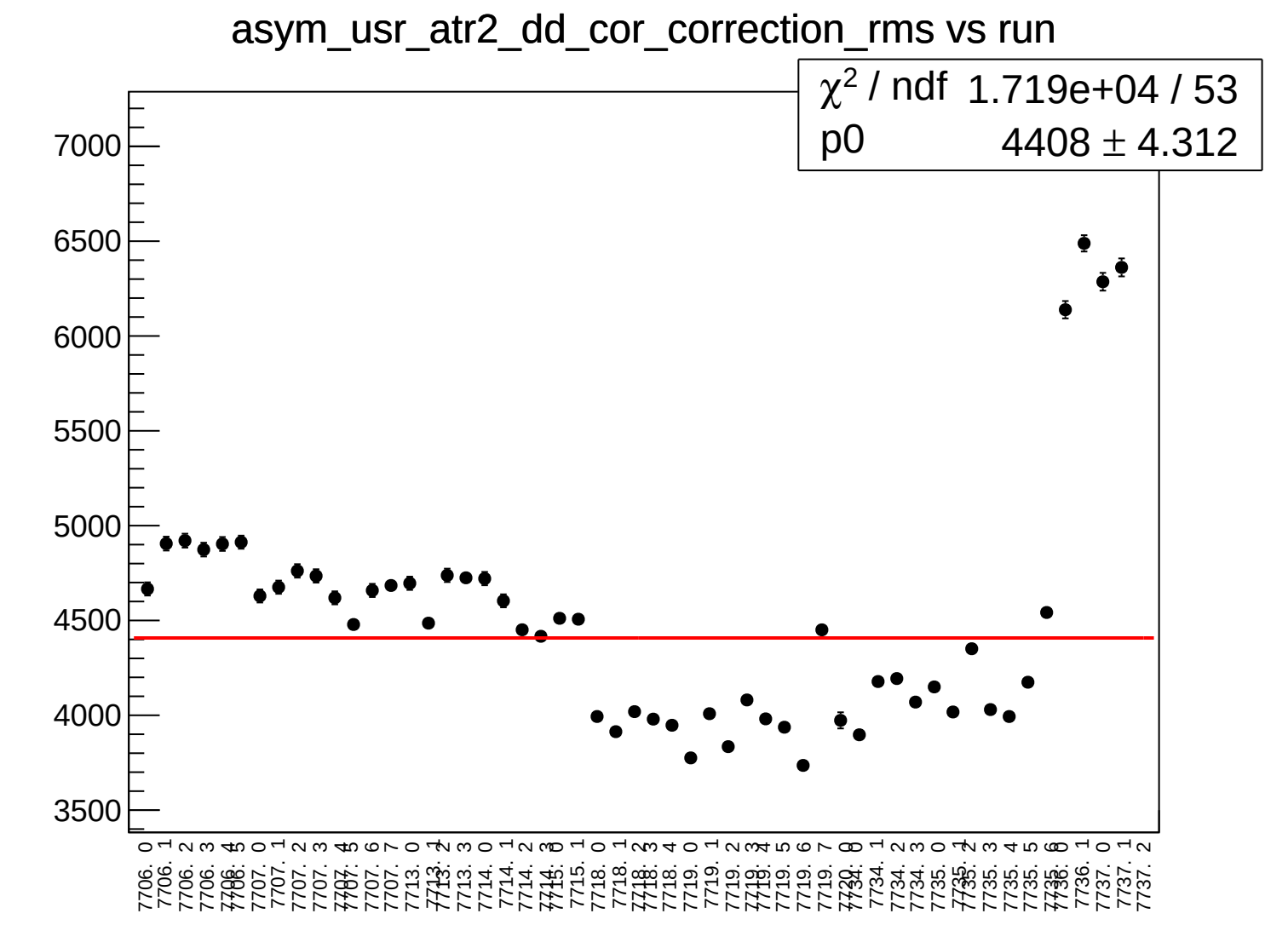

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.44 / 53
p0 387.6 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 25.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

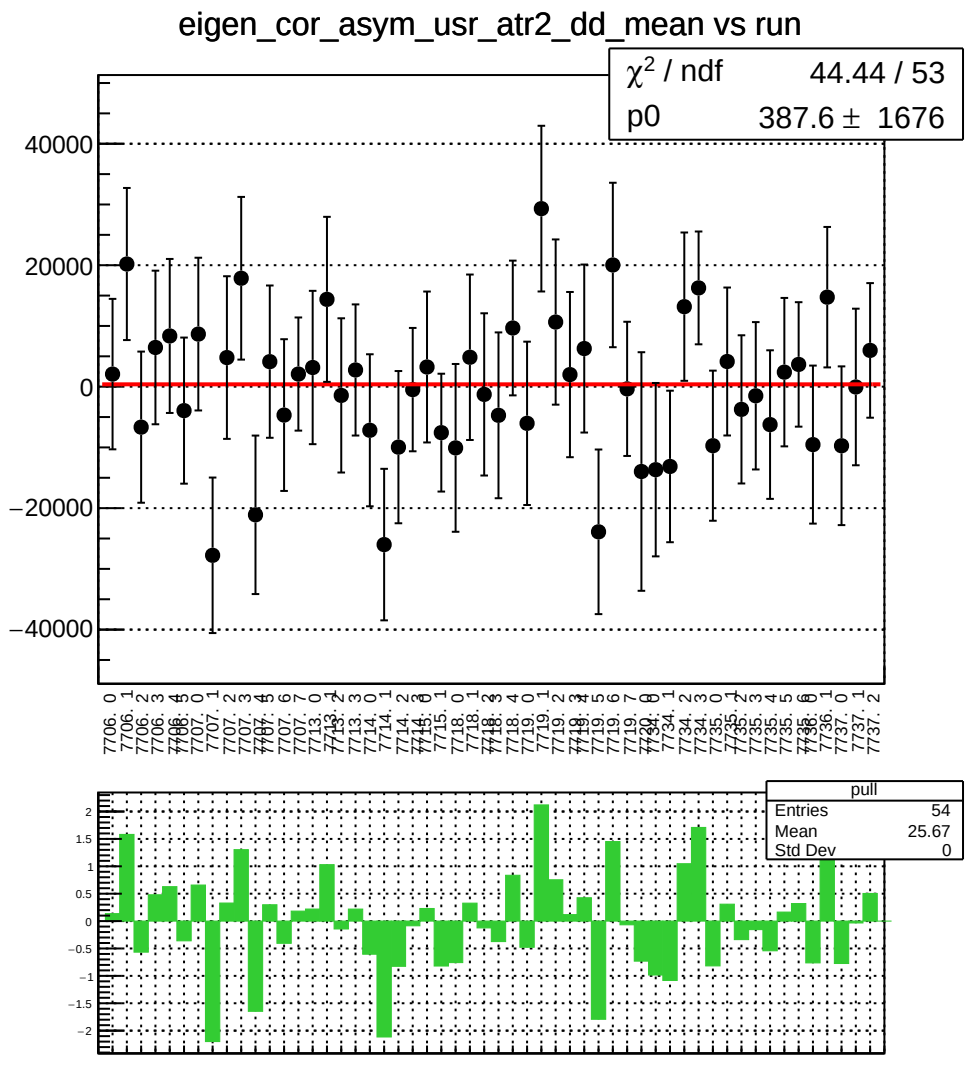

pull1D
Entries 54
Mean −0.01789
Std Dev 0.907
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

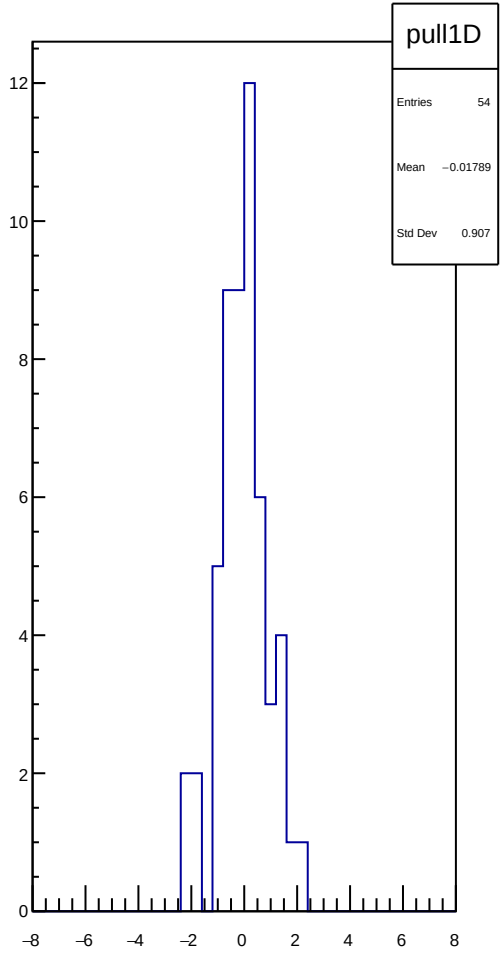

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1957 / 53
p0 1220 ± 1.185
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

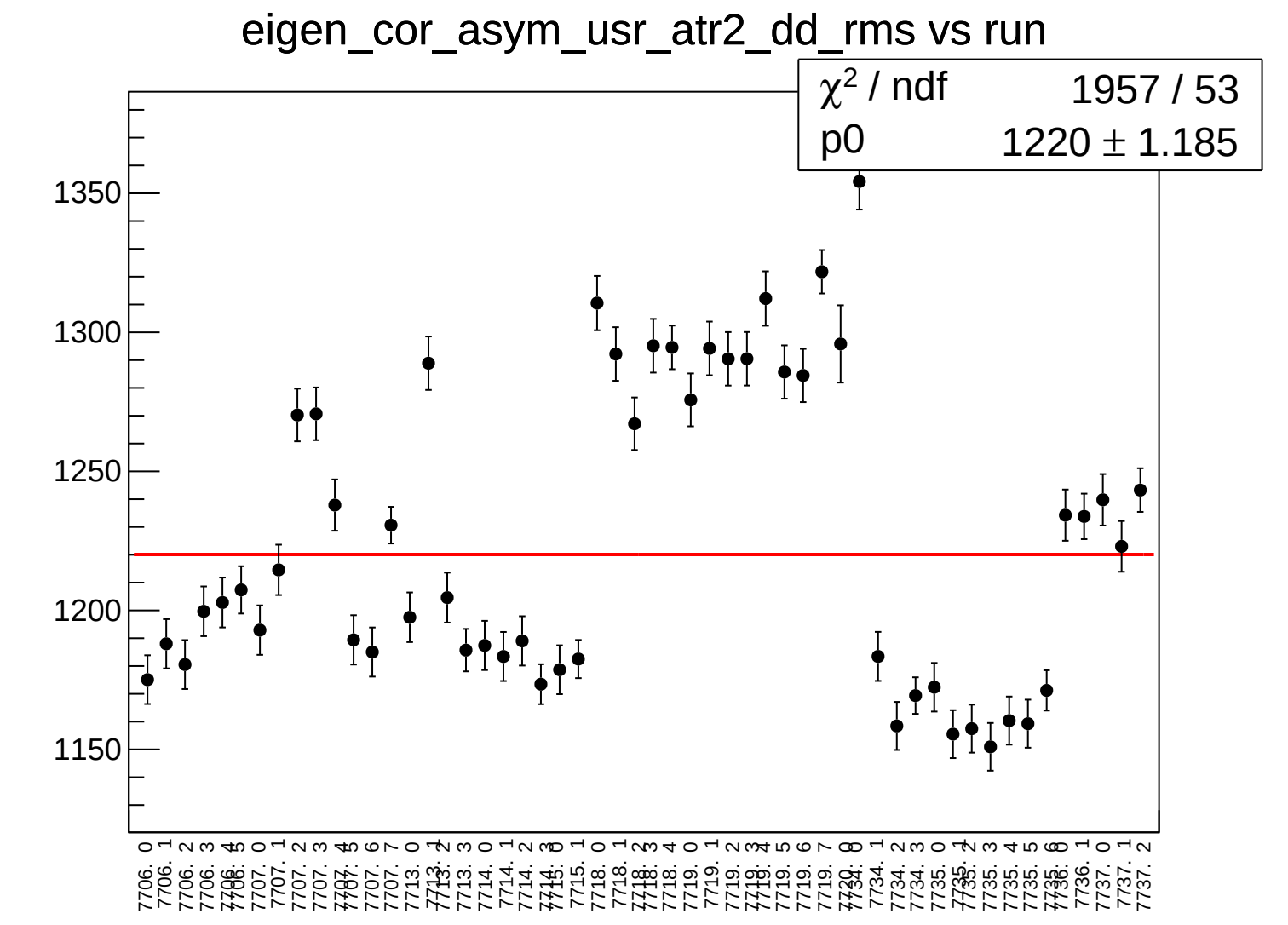

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 57.99 / 53
p0 −1889 ± 6098
pull
Entries 54
Mean 761.1
Std Dev 0

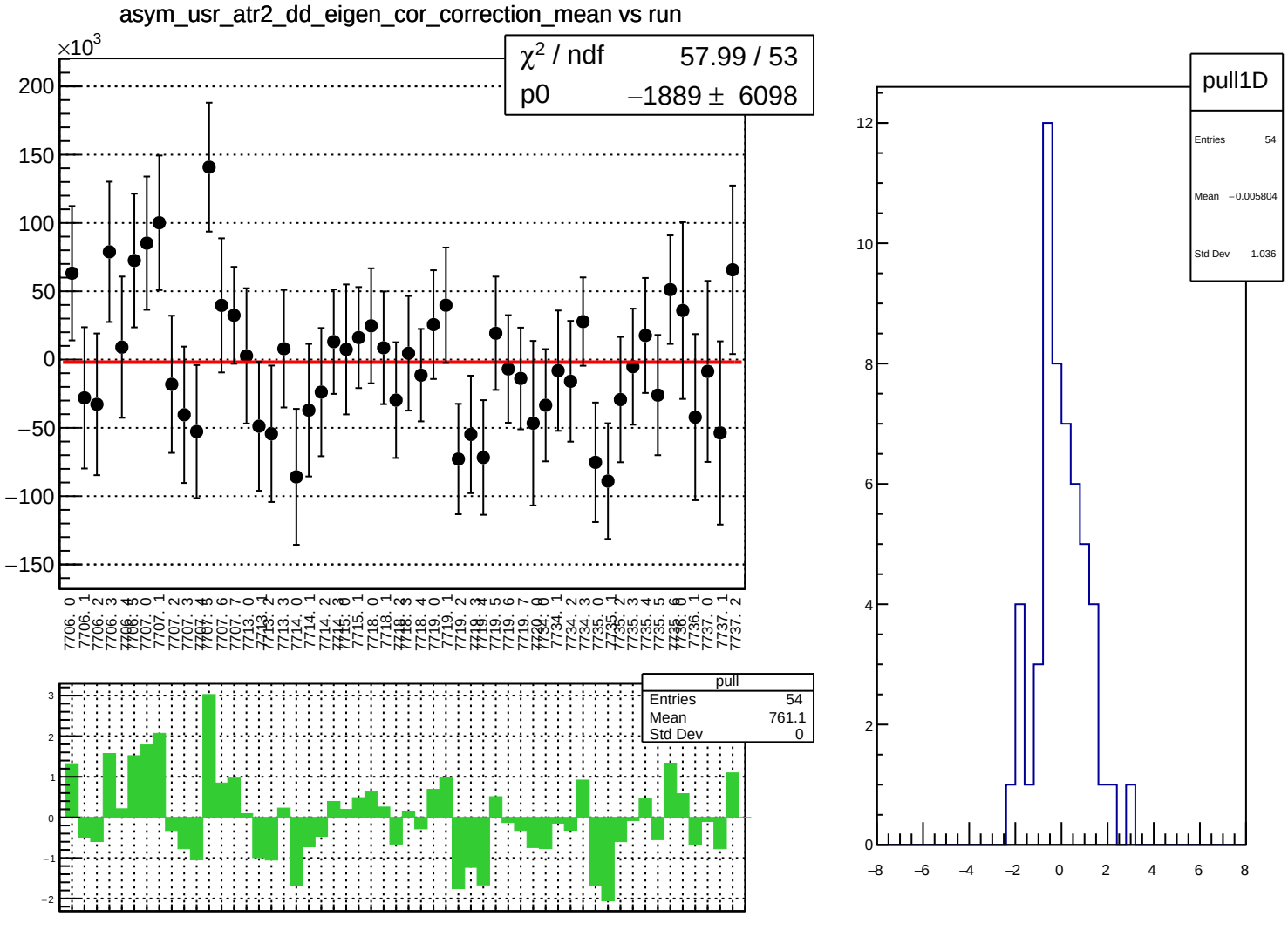

pull1D
Entries 54
Mean −0.005804
Std Dev 1.036

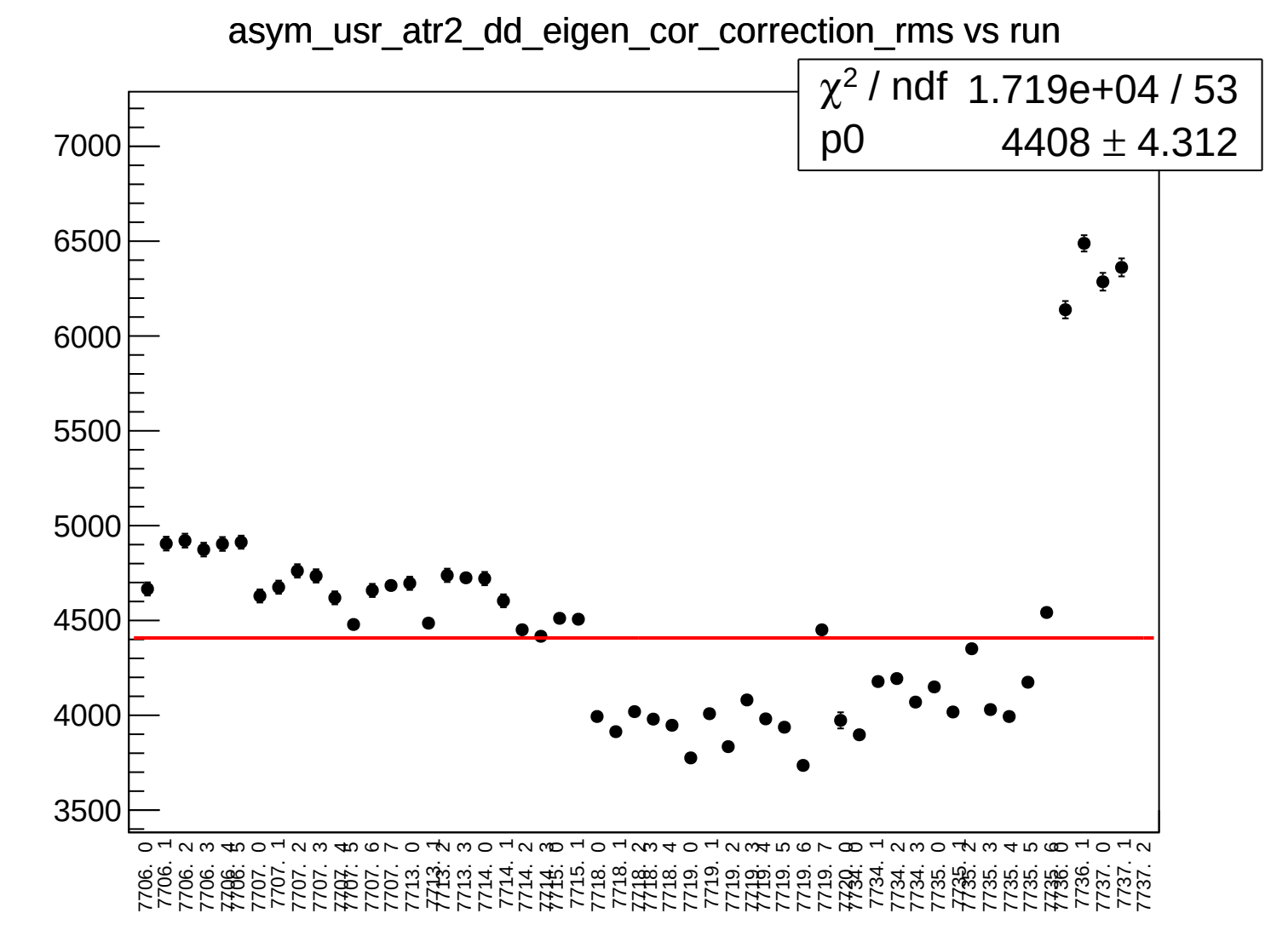

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4408 ± 4.312
7000
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

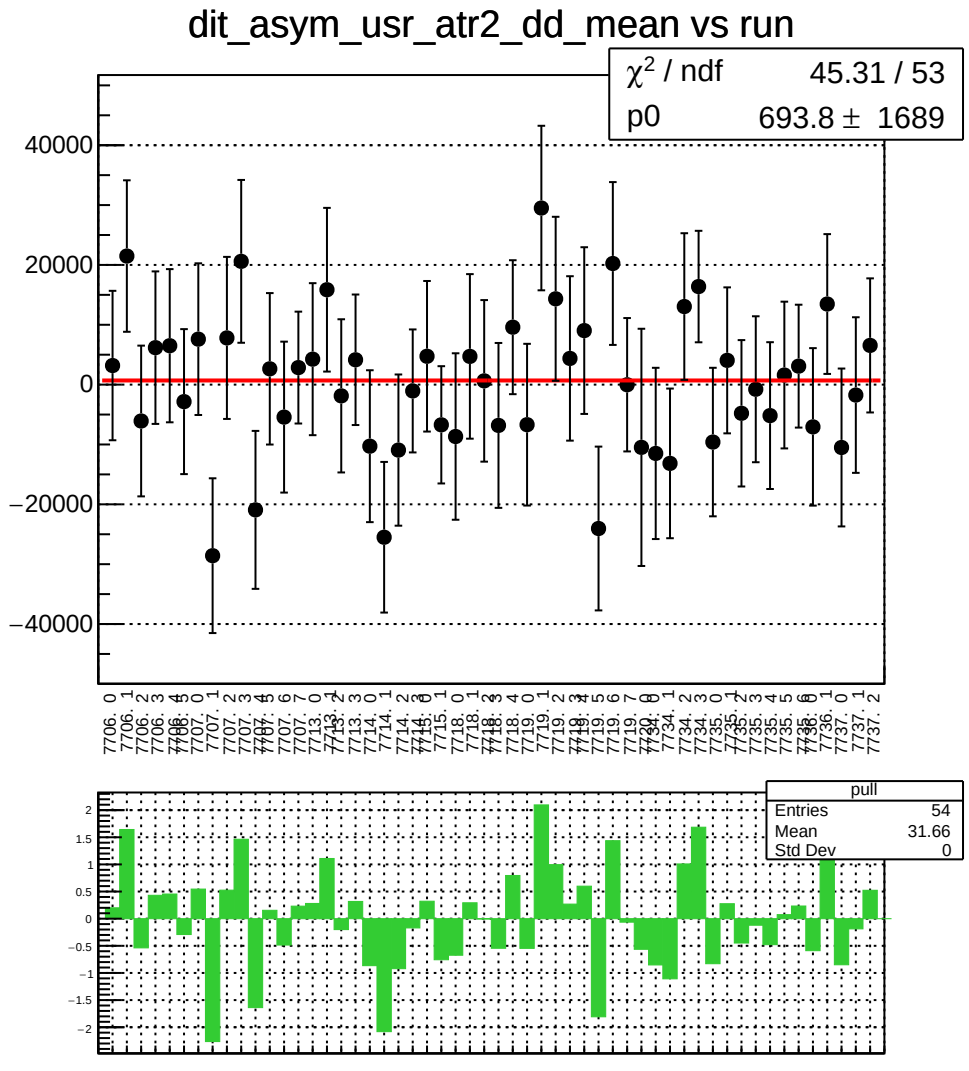

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.44 / 53
p0 387.6 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 25.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

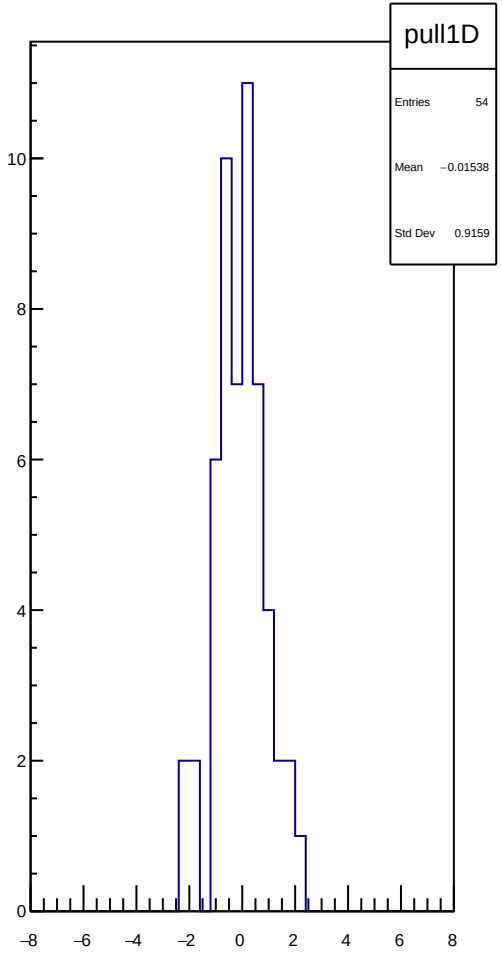

pull1D
Entries 54
Mean −0.01789
Std Dev 0.907
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

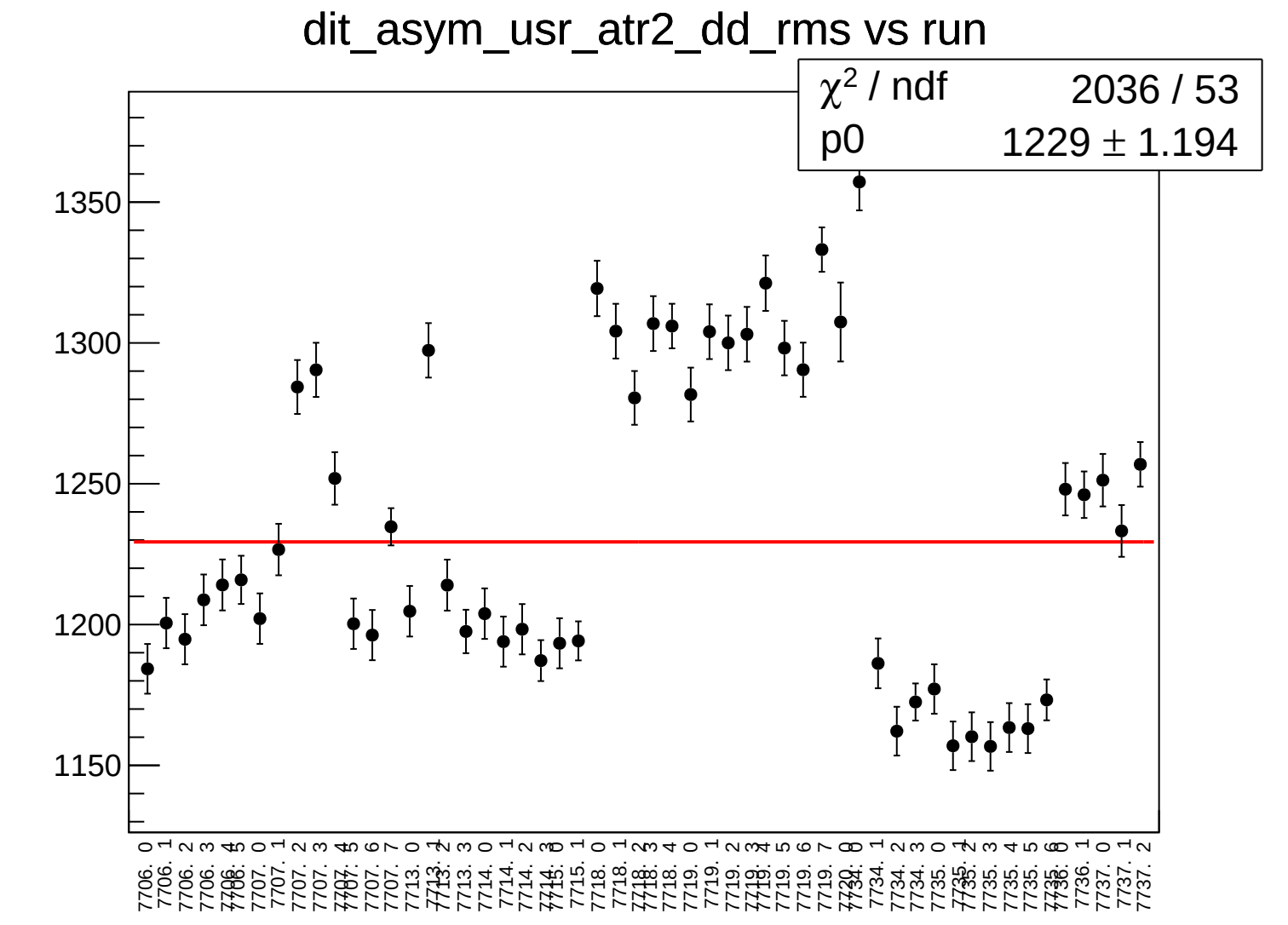

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 1957 / 53
p0 1220 ± 1.185
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

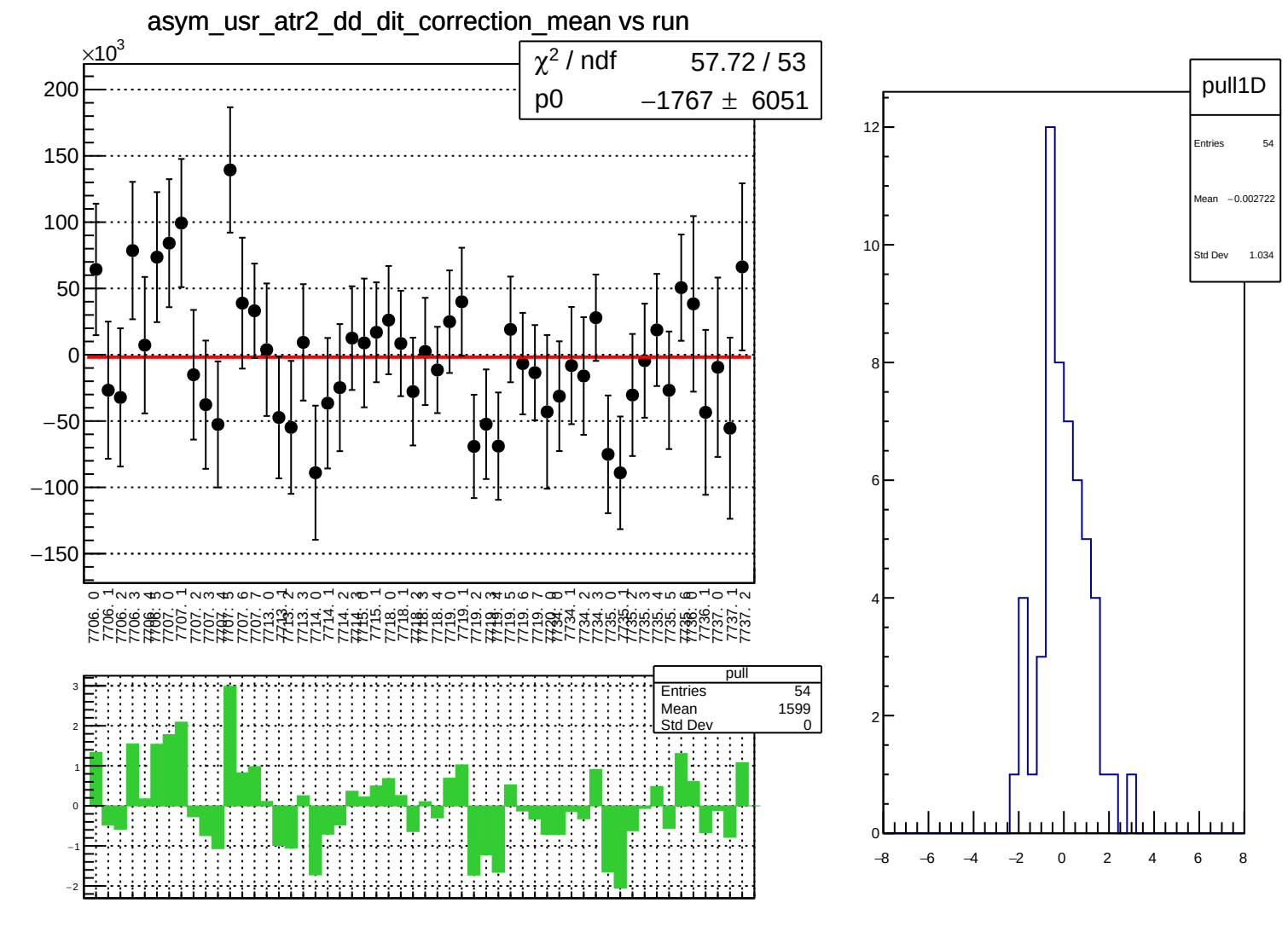

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.99 / 53
p0 −1889 ± 6098
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 761.1
Std Dev 0
pull1D
Entries 54
Mean −0.005804
Std Dev 1.036

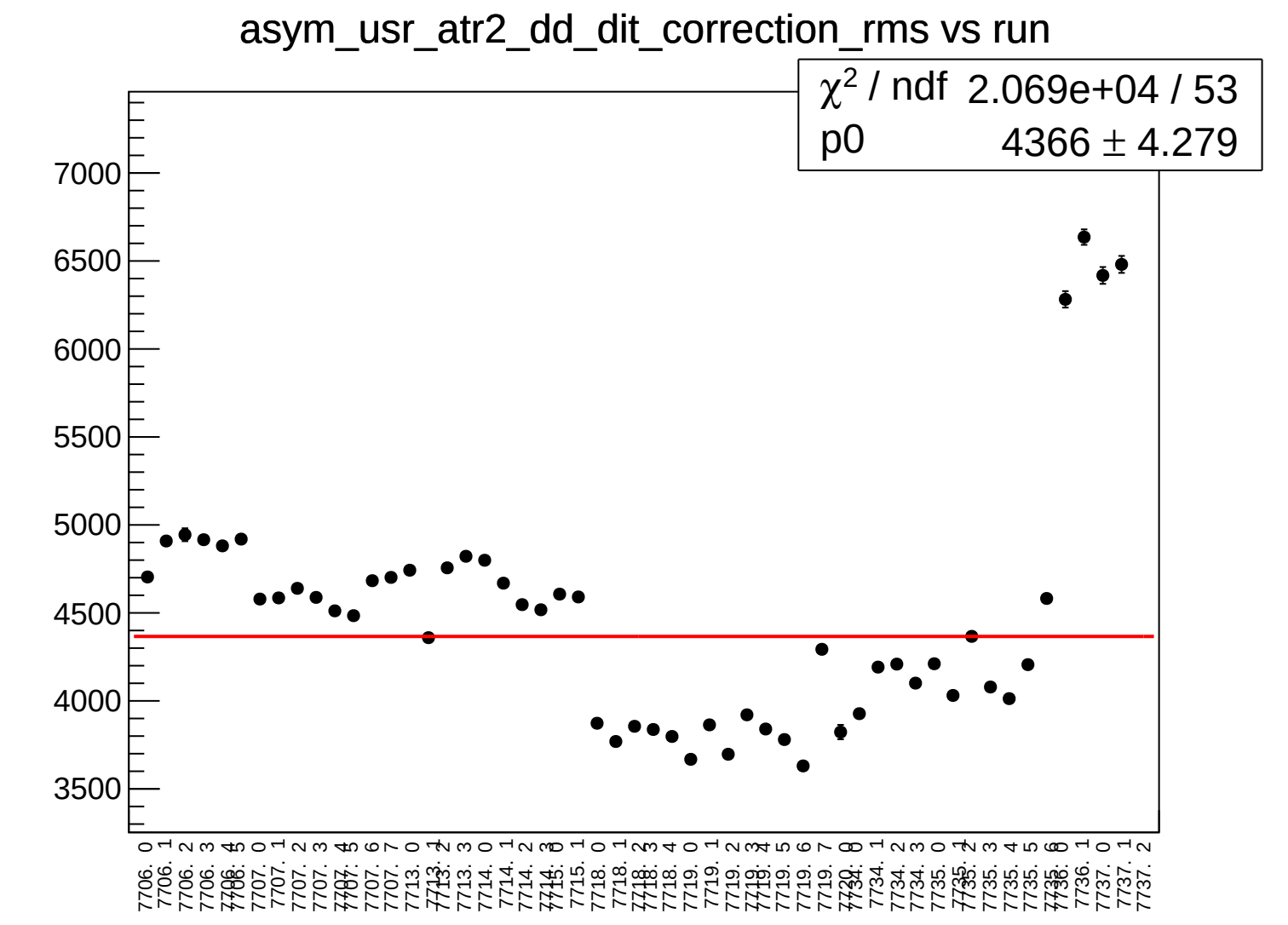

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.719e+04 / 53
p0 4408 ± 4.312
7000
6500
6000
5500
5000
4500
4000
3500

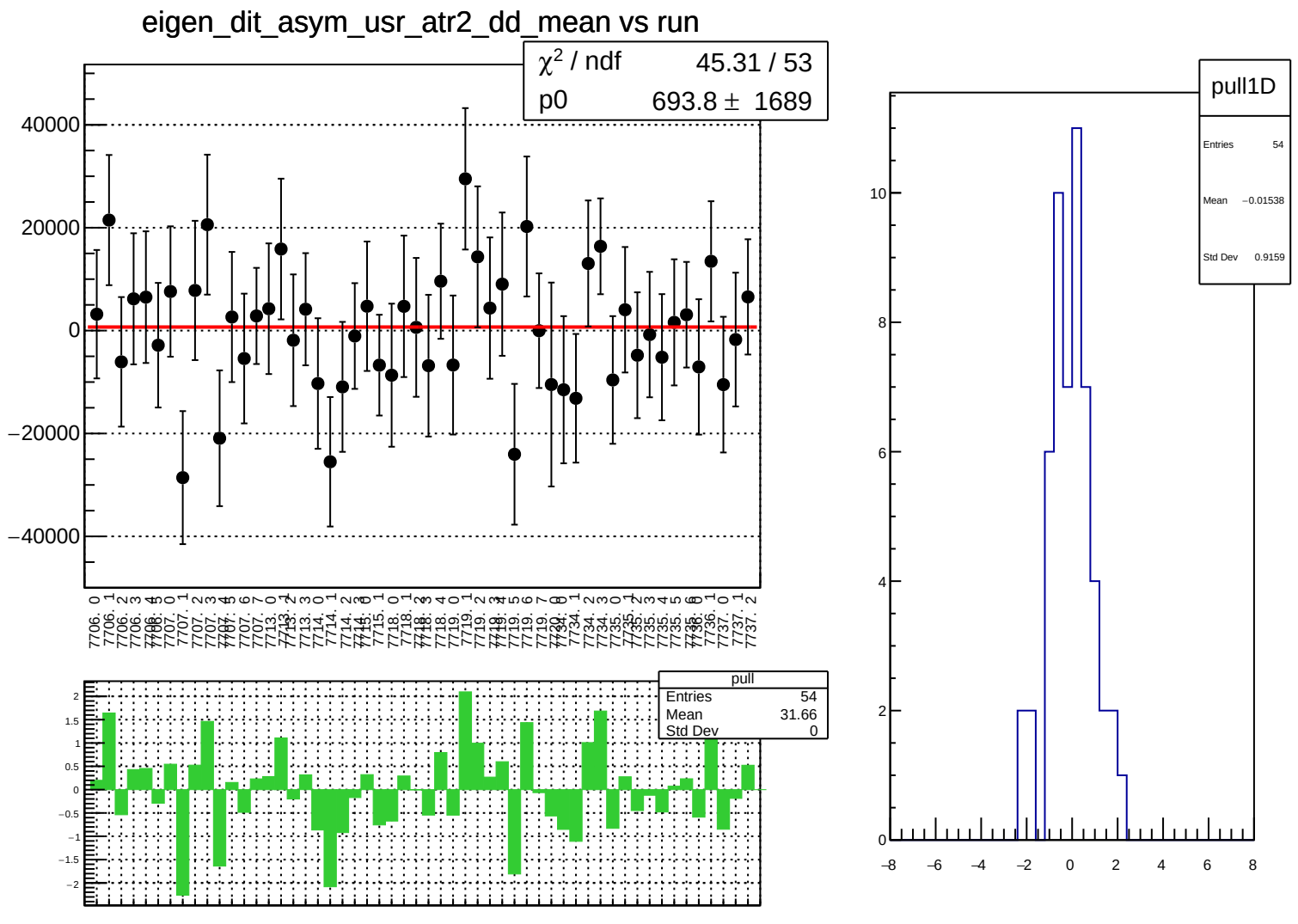

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.31 / 53
p0 693.8 ± 1689
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 31.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

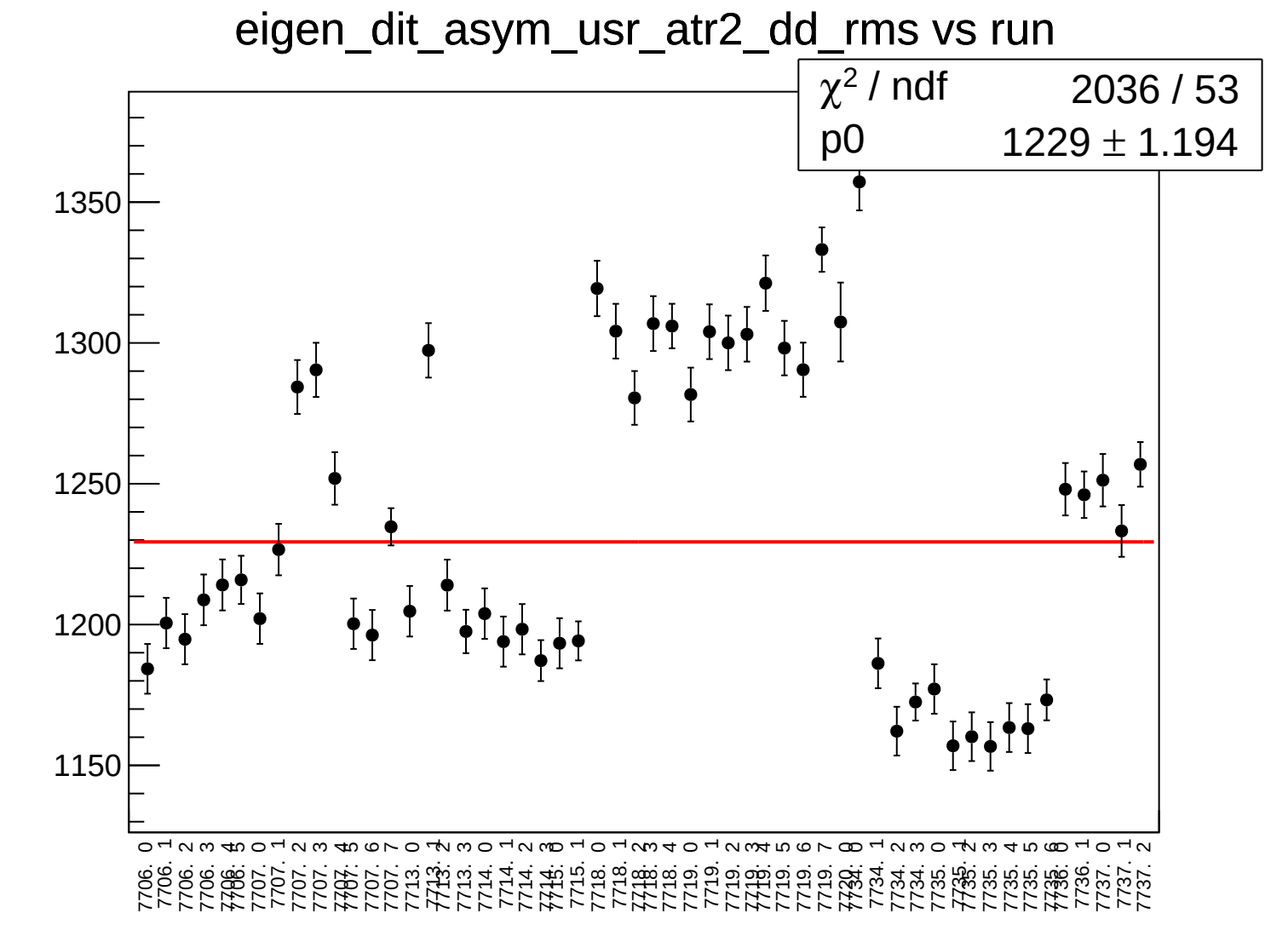

pull1D
Entries 54
Mean −0.01538
Std Dev 0.9159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

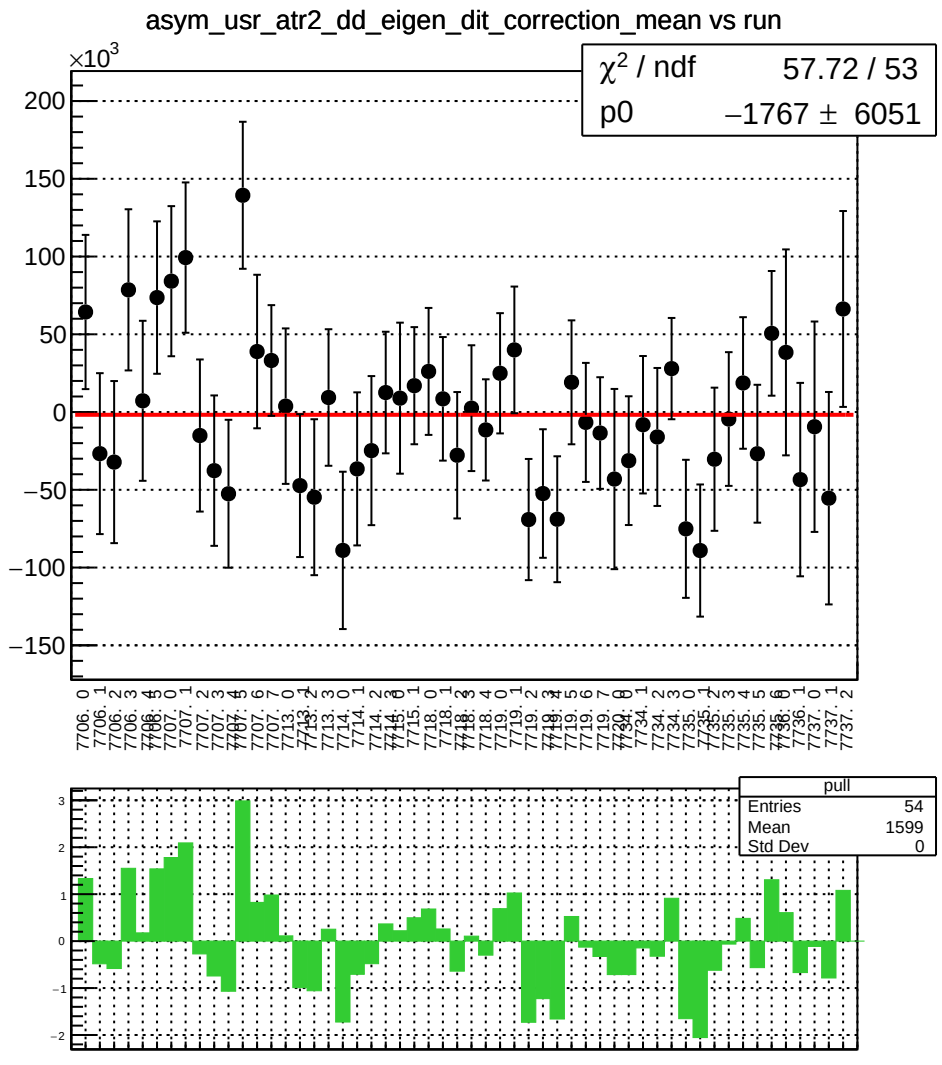

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 2036 / 53
p0 1229 ± 1.194
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

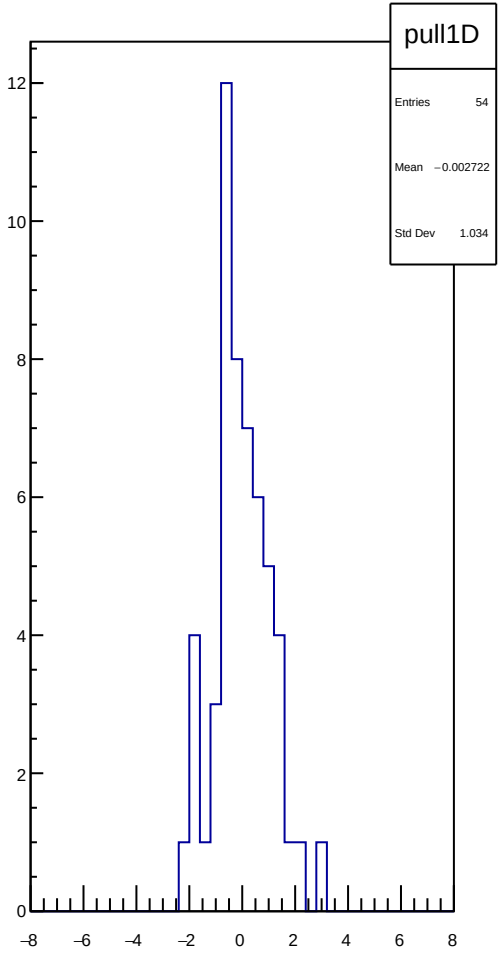

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.72 / 53
p0 −1767 ± 6051
pull
Entries 54
Mean 1599
Std Dev 0
pull1D
Entries 54
Mean −0.002722
Std Dev 1.034

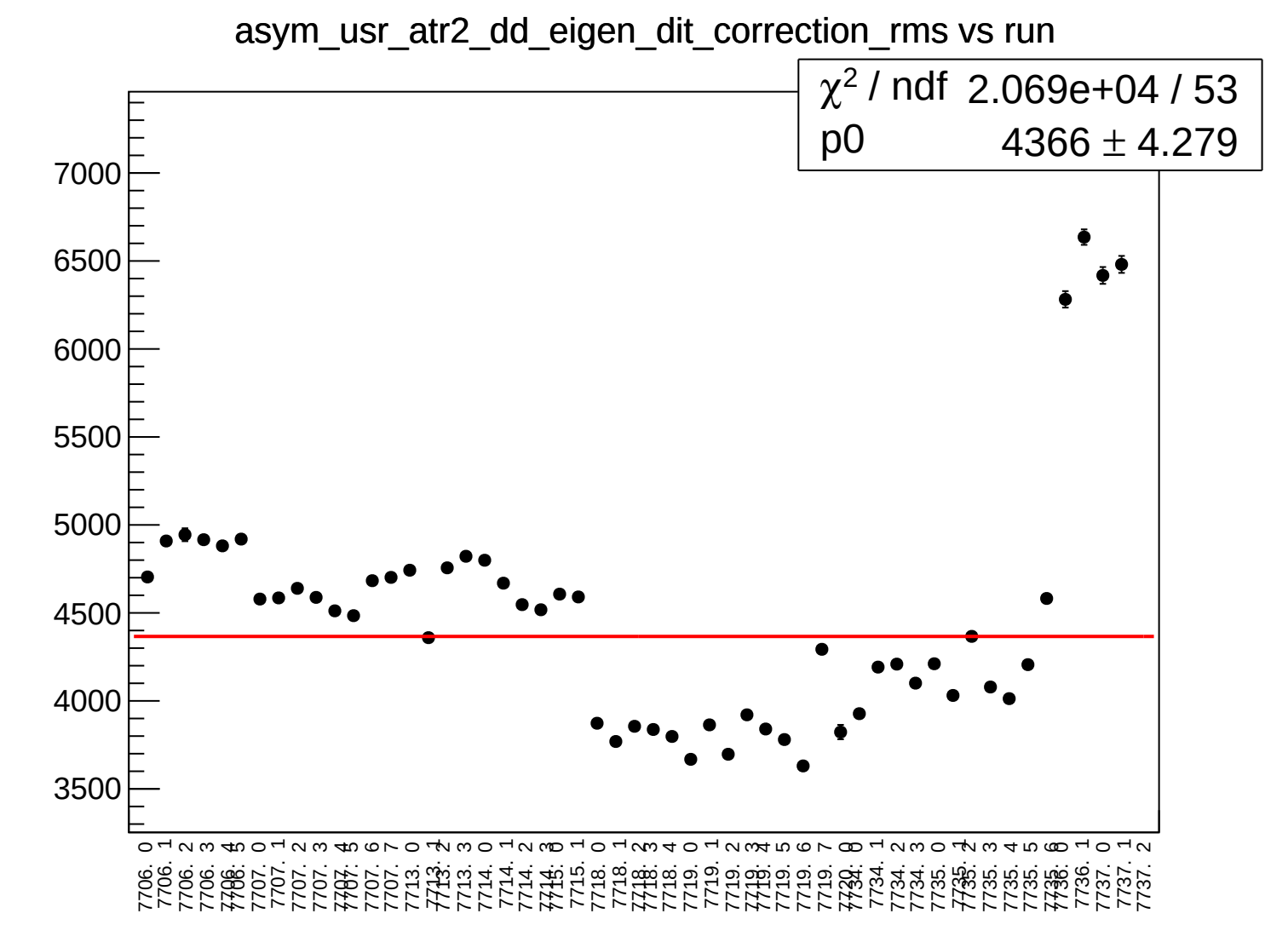

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 2.069e+04 / 53
p0 4366 ± 4.279
7000
6500
6000
5500
5000
4500
4000
3500

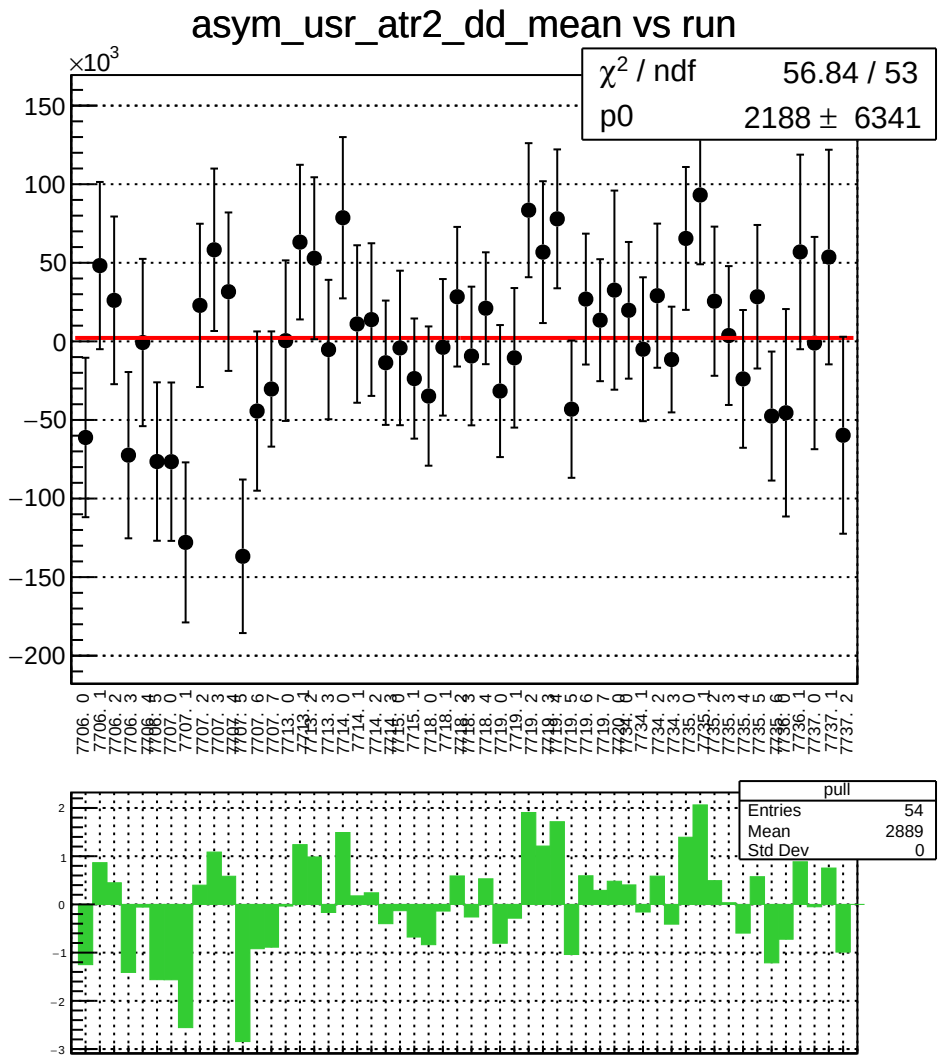

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.31 / 53
p0 693.8 ± 1689
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 31.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01538
Std Dev 0.9159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

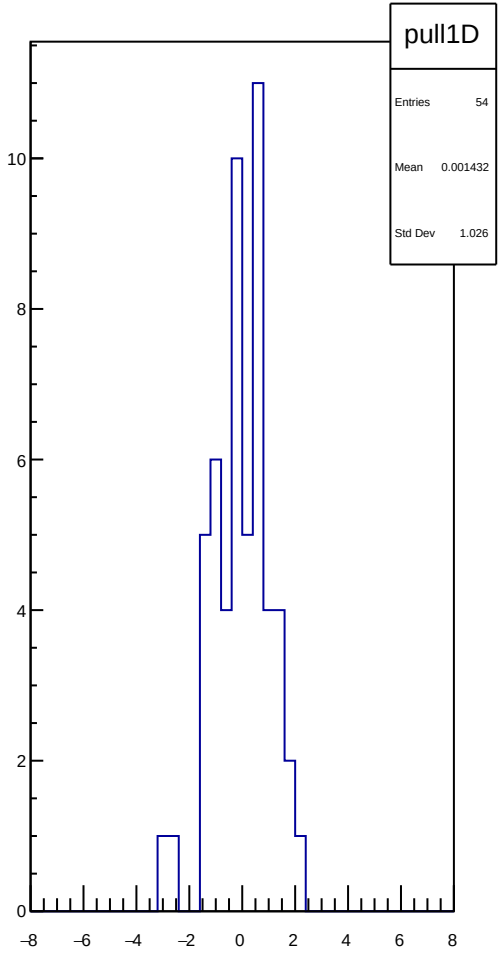

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 2036 / 53
p0 1229 ± 1.194
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

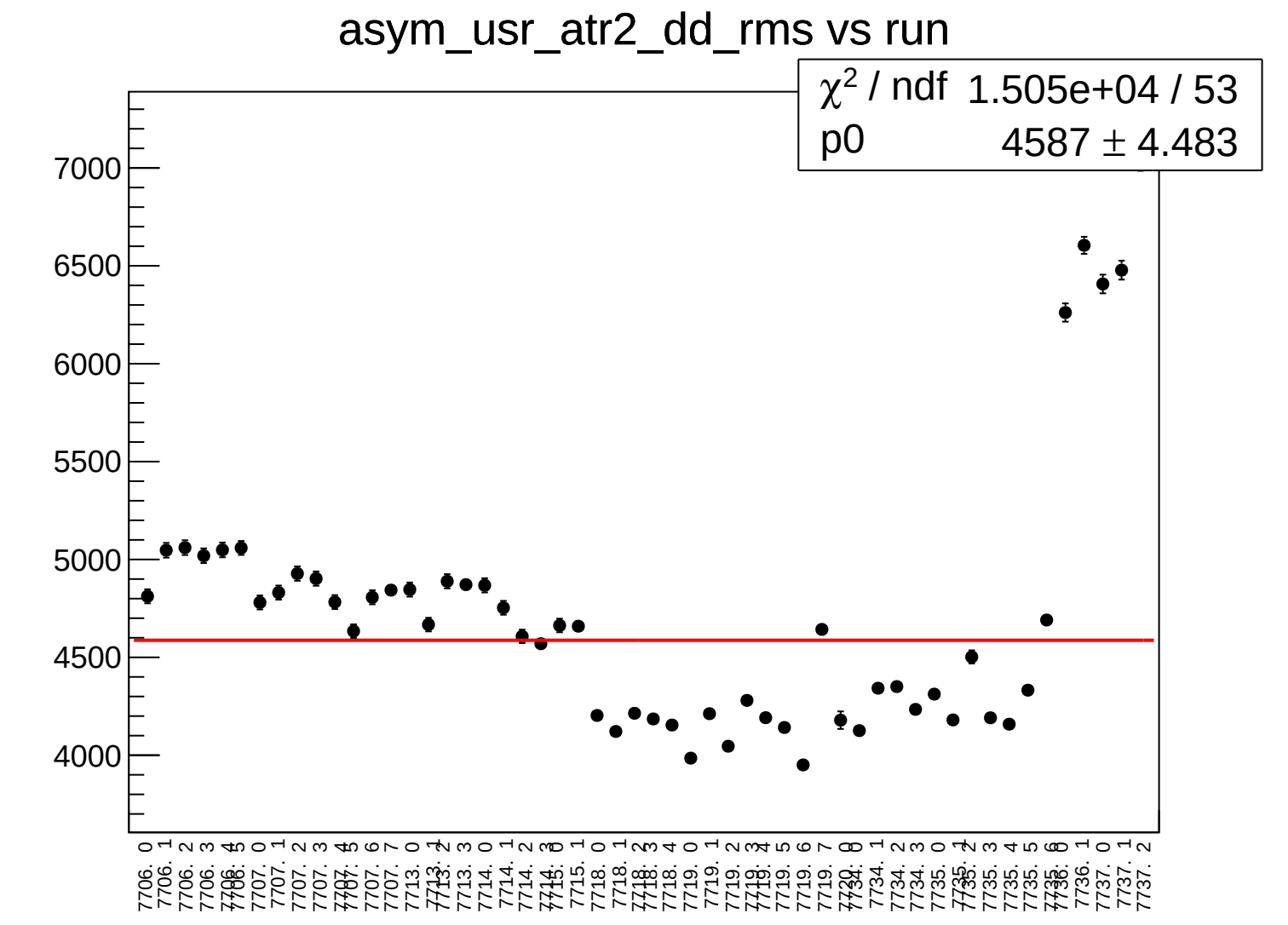

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.72 / 53
p0 −1767 ± 6051
pull
Entries 54
Mean 1599
Std Dev 0

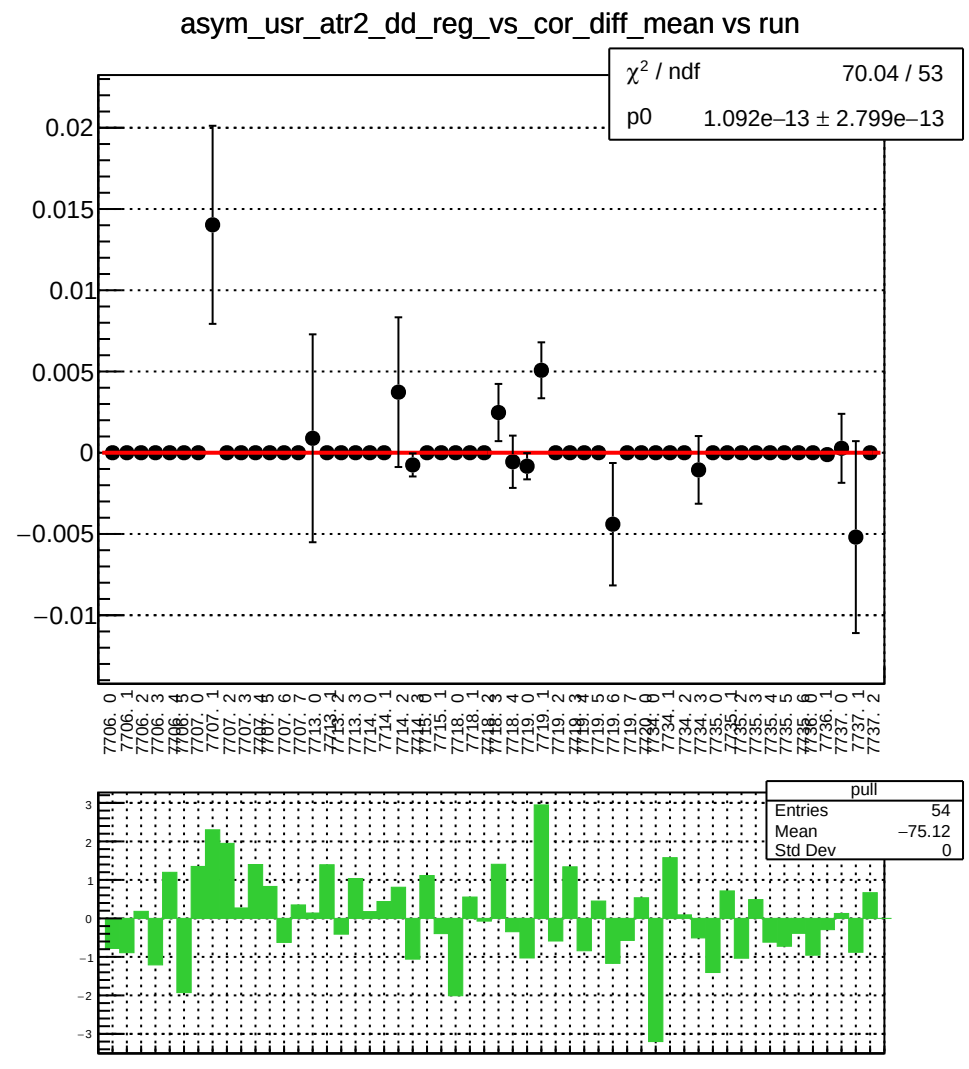

pull1D
Entries 54
Mean −0.002722
Std Dev 1.034

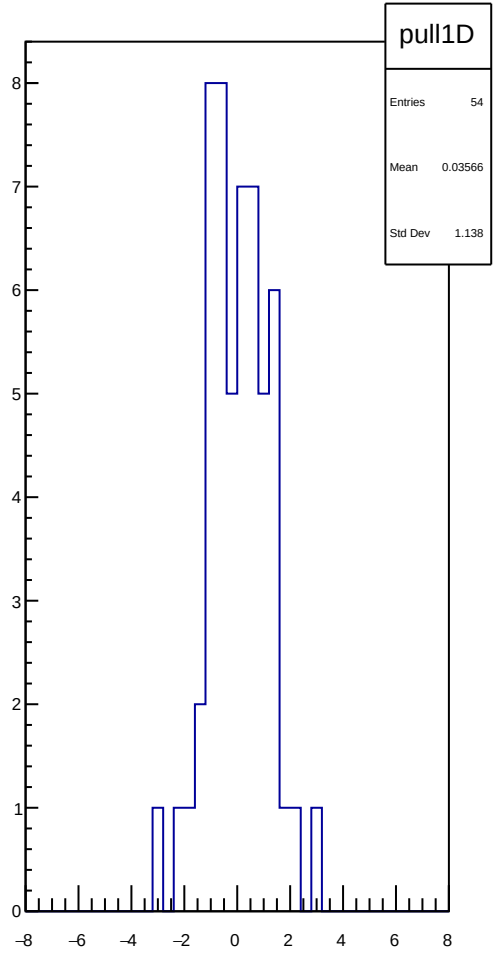

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.069e+04 / 53
p0 4366 ± 4.279
7000
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

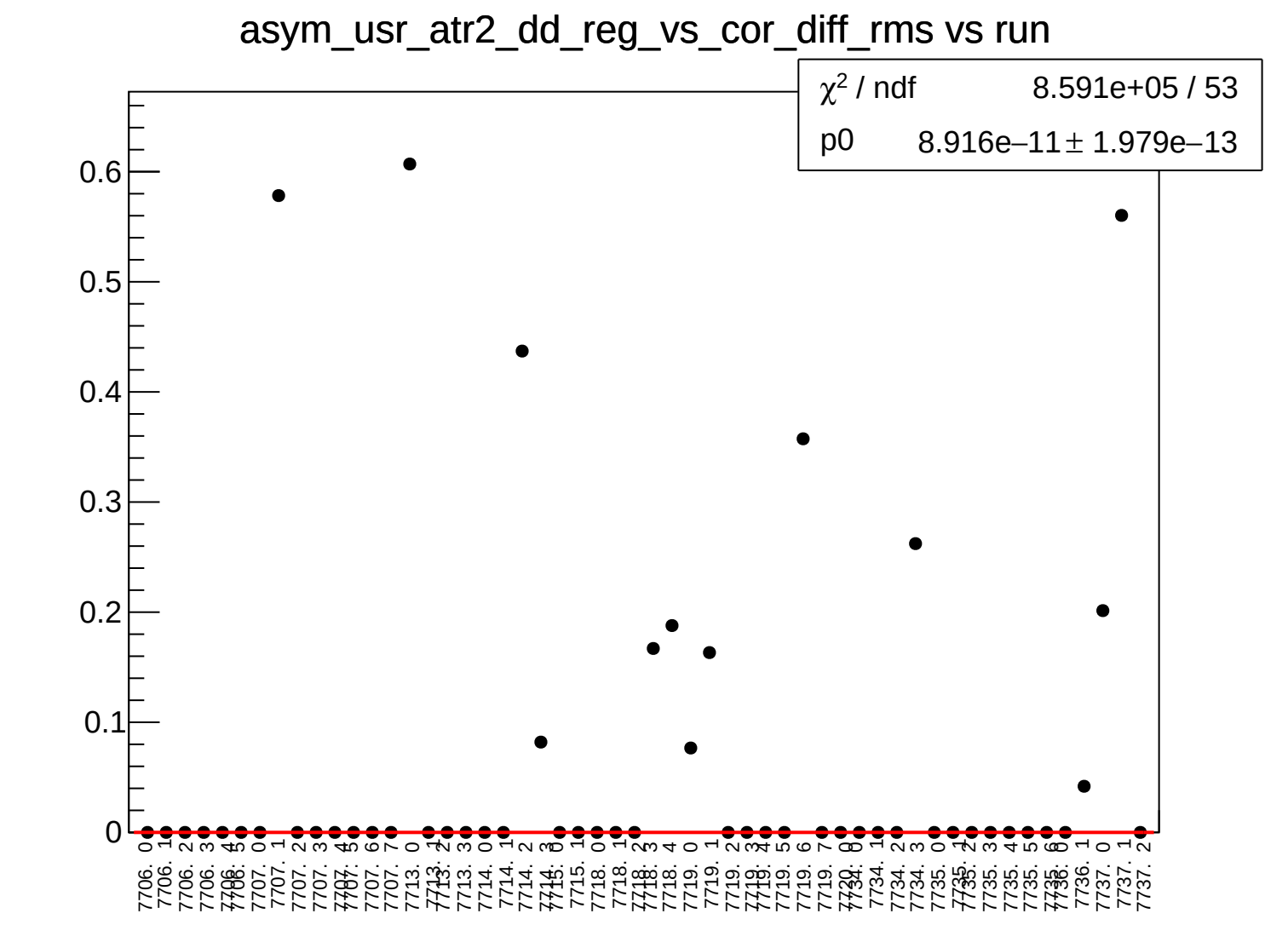

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 56.84 / 53
p0 2188 ± 6341
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 2889
Std Dev 0
2
1
0
−1
−2
−3

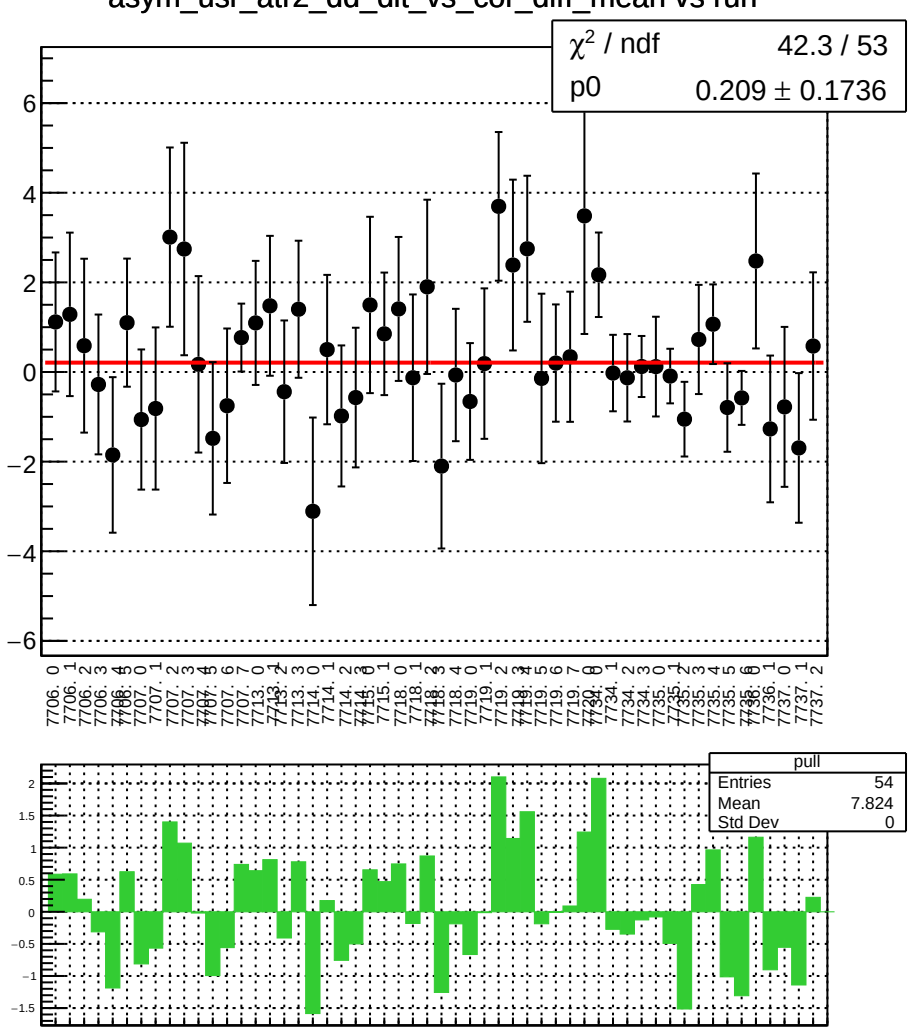

pull1D
Entries 54
Mean 0.001432
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

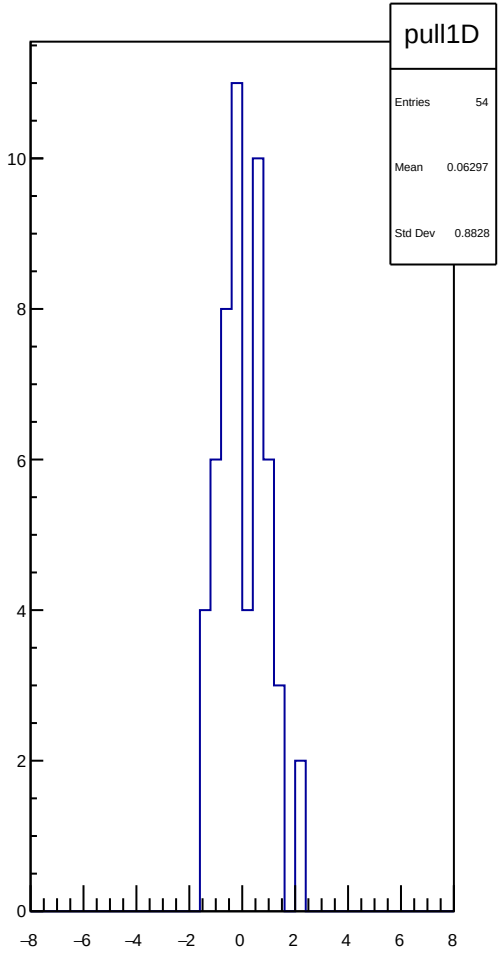

asym_usr_atr2_dd_rms vs run
χ² / ndf 1.505e+04 / 53
p0 4587 ± 4.483
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

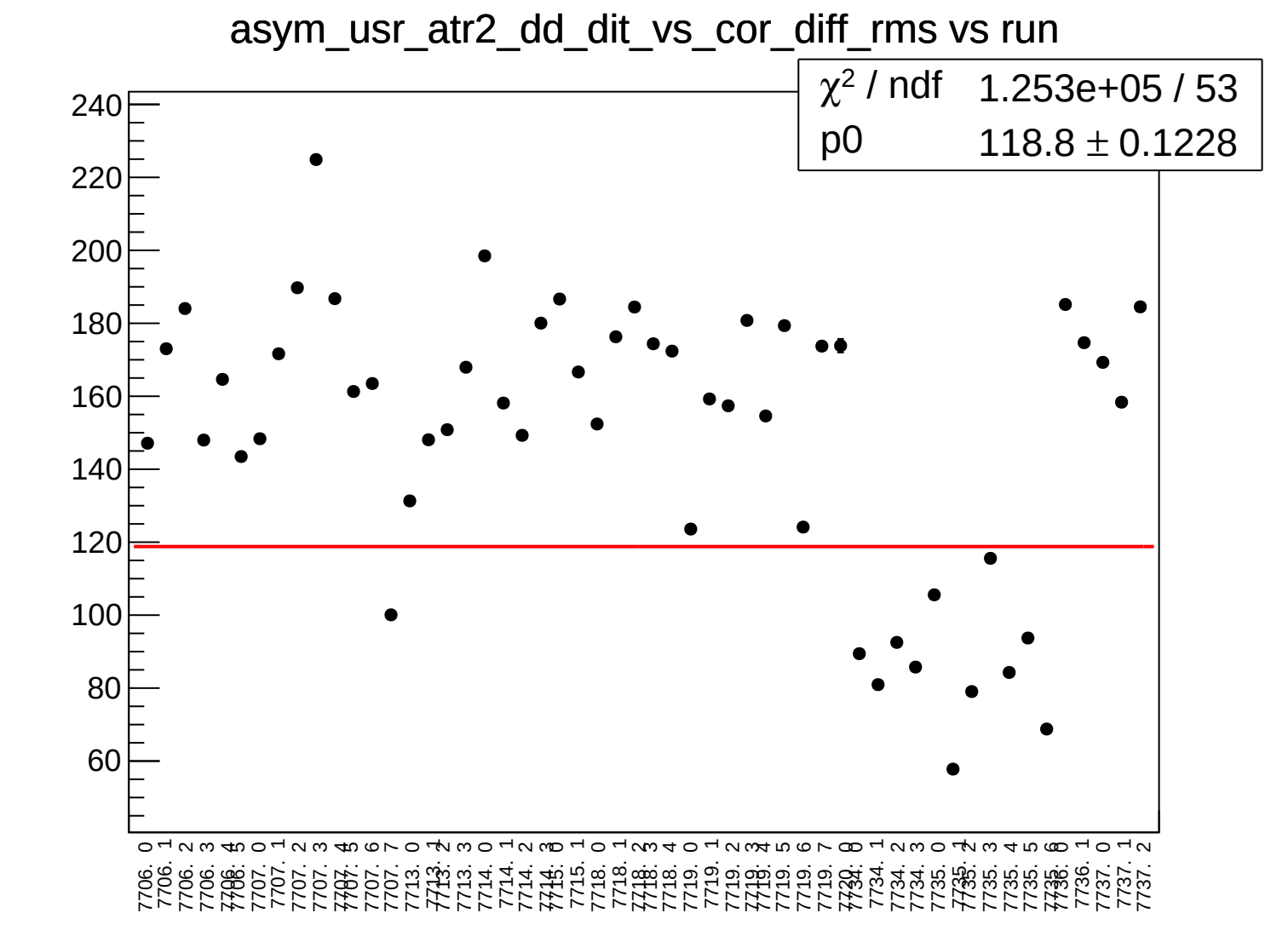

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.04 / 53
p0 1.092e−13 ± 2.799e−13
pull
Entries 54
Mean −75.12
Std Dev 0

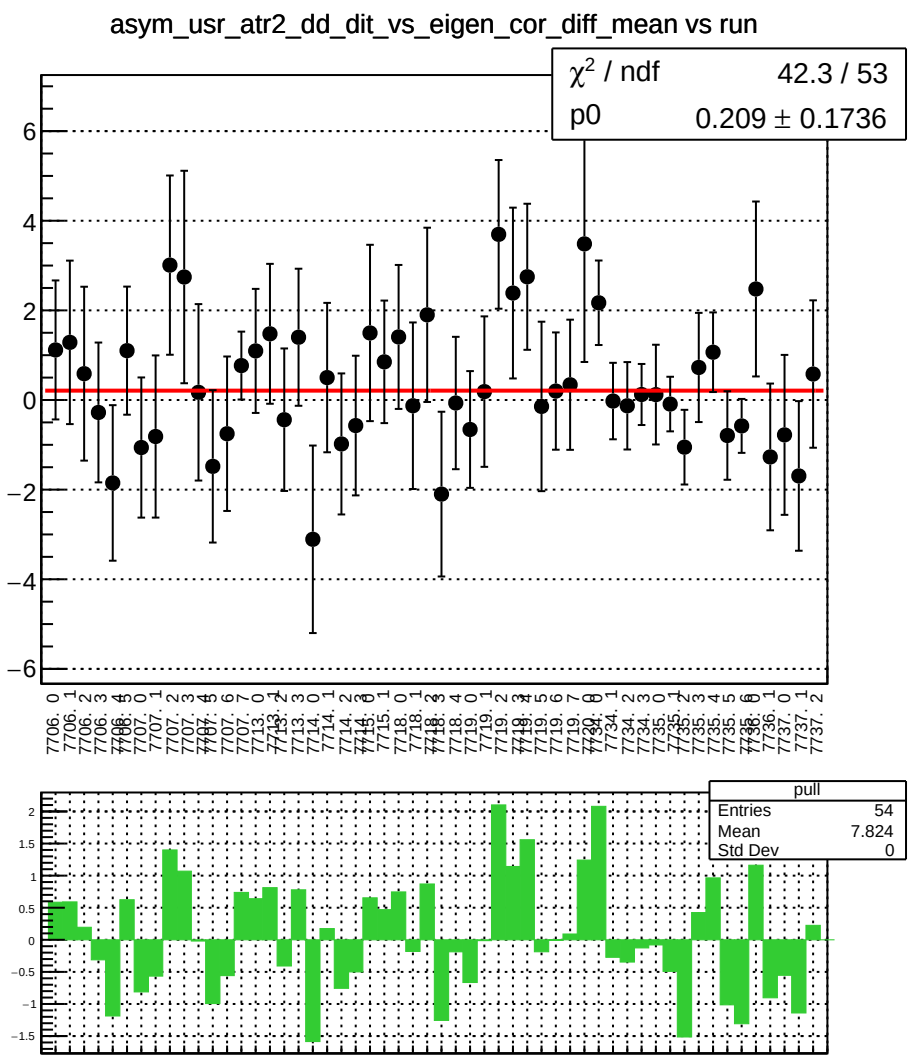

pull1D
Entries 54
Mean 0.03566
Std Dev 1.138

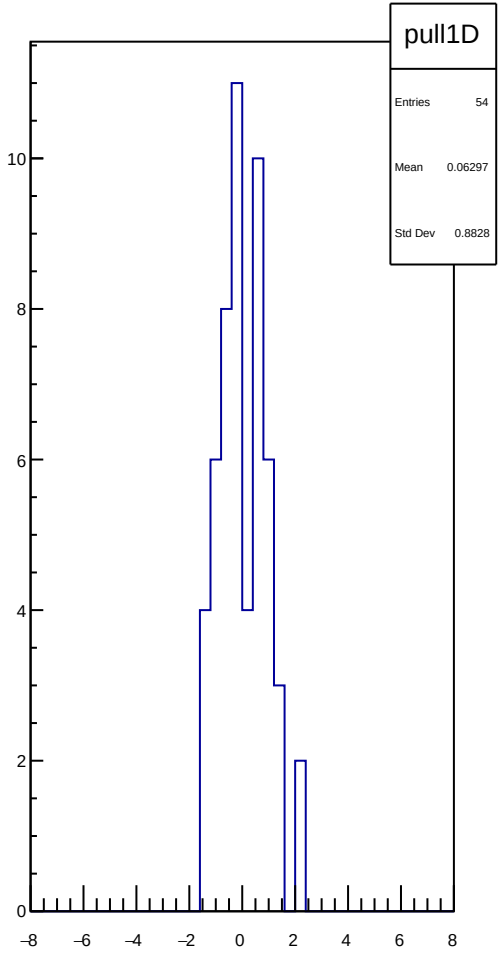

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.591e+05 / 53
p0 8.916e−11 ± 1.979e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

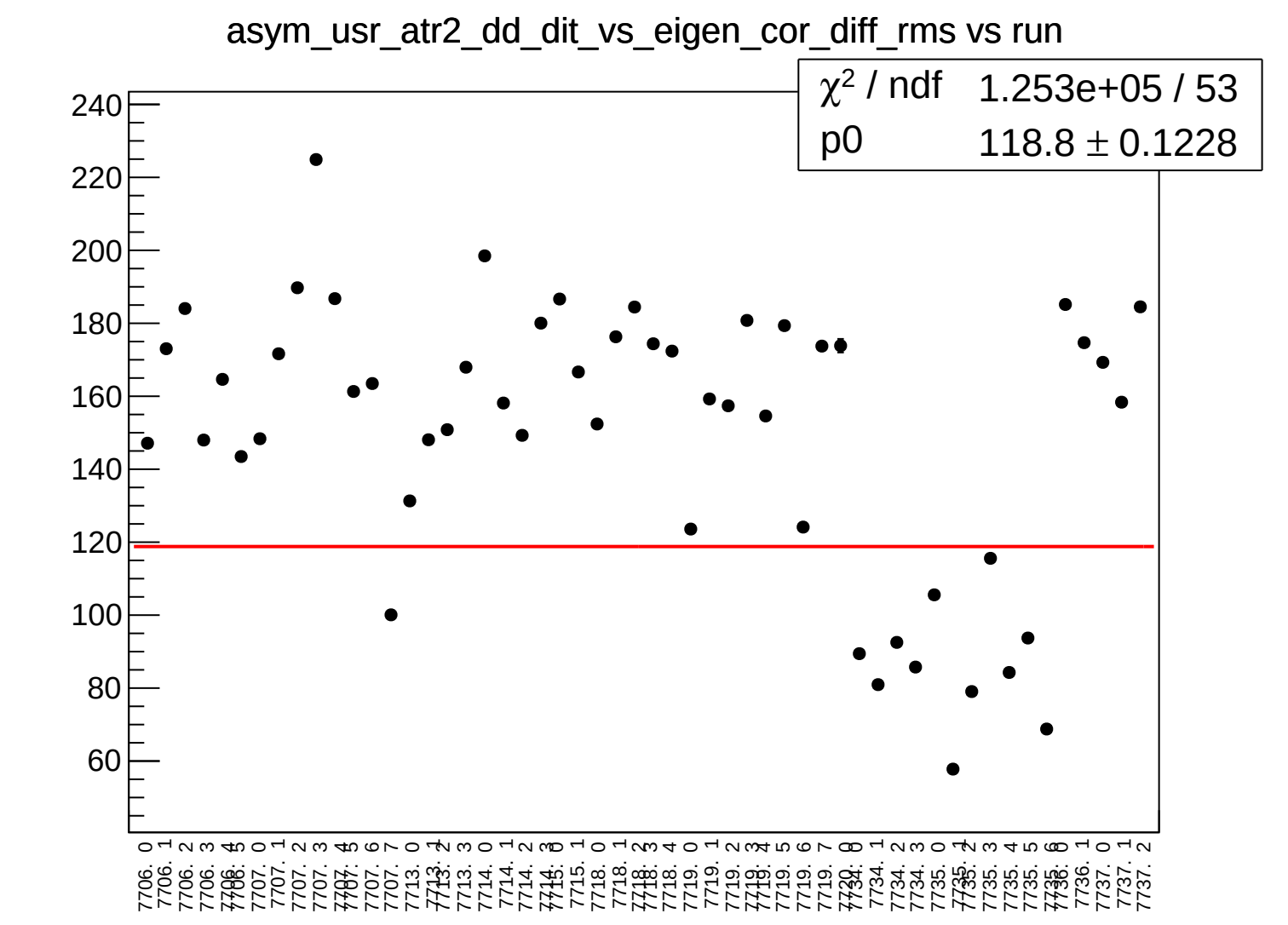

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.3 / 53
p0 0.209 ± 0.1736
pull
Entries 54
Mean 7.824
Std Dev 0

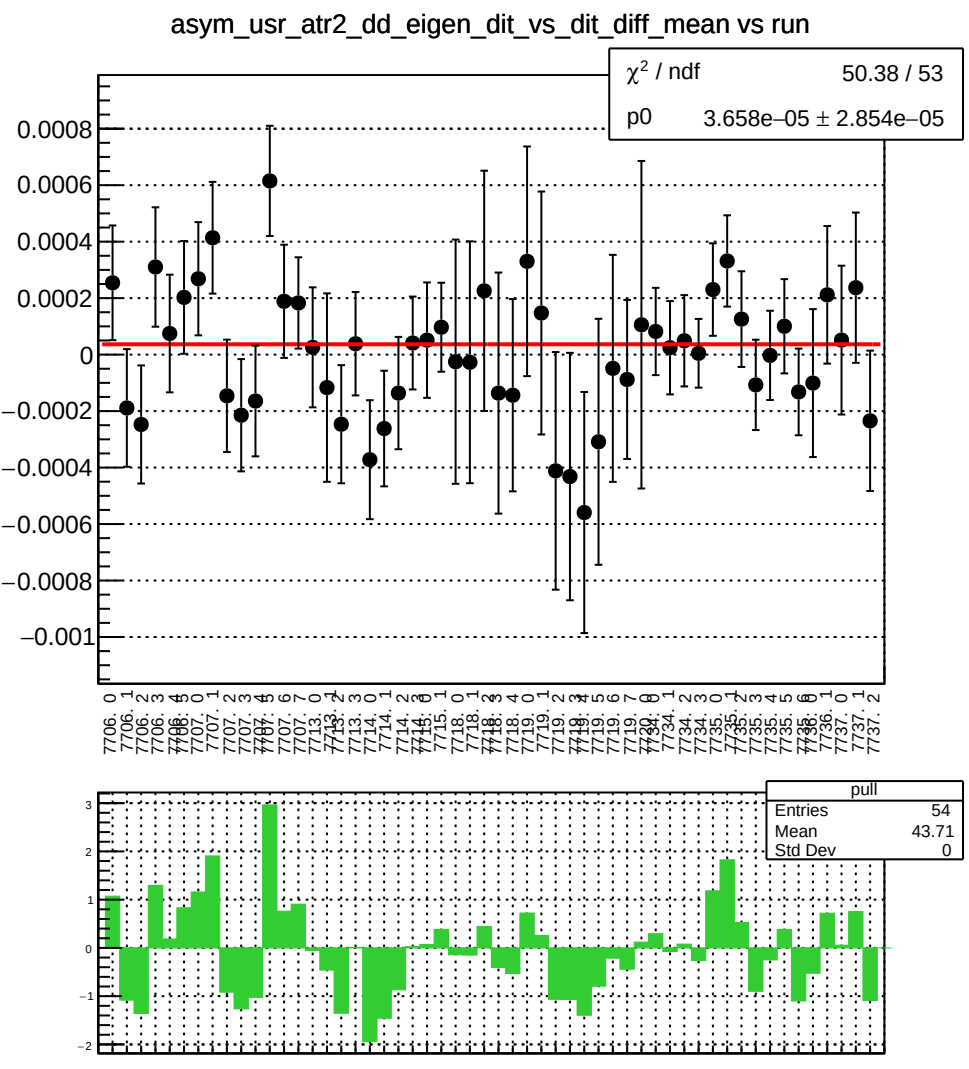

pull1D
Entries 54
Mean 0.06297
Std Dev 0.8828

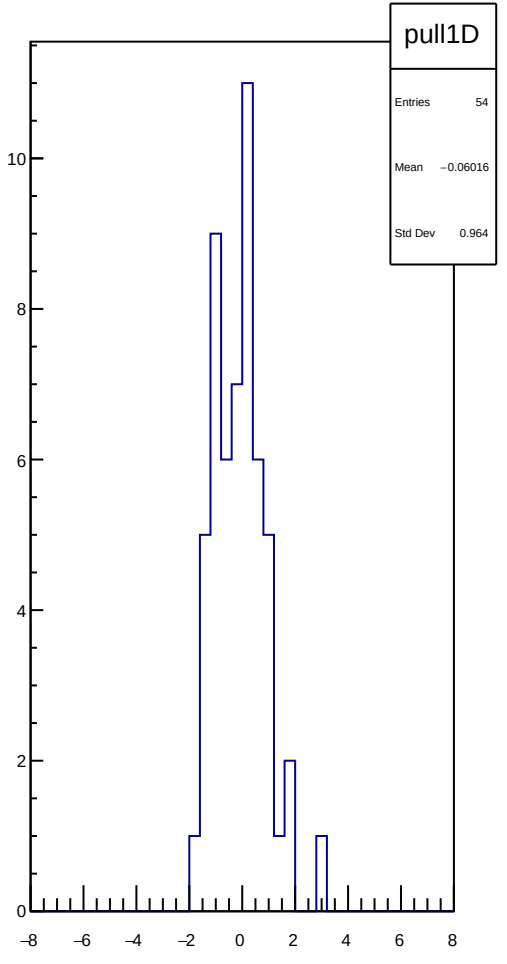

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.253e+05 / 53
p0 118.8 ± 0.1228
240
220
200
180
160
140
120
100
80
60

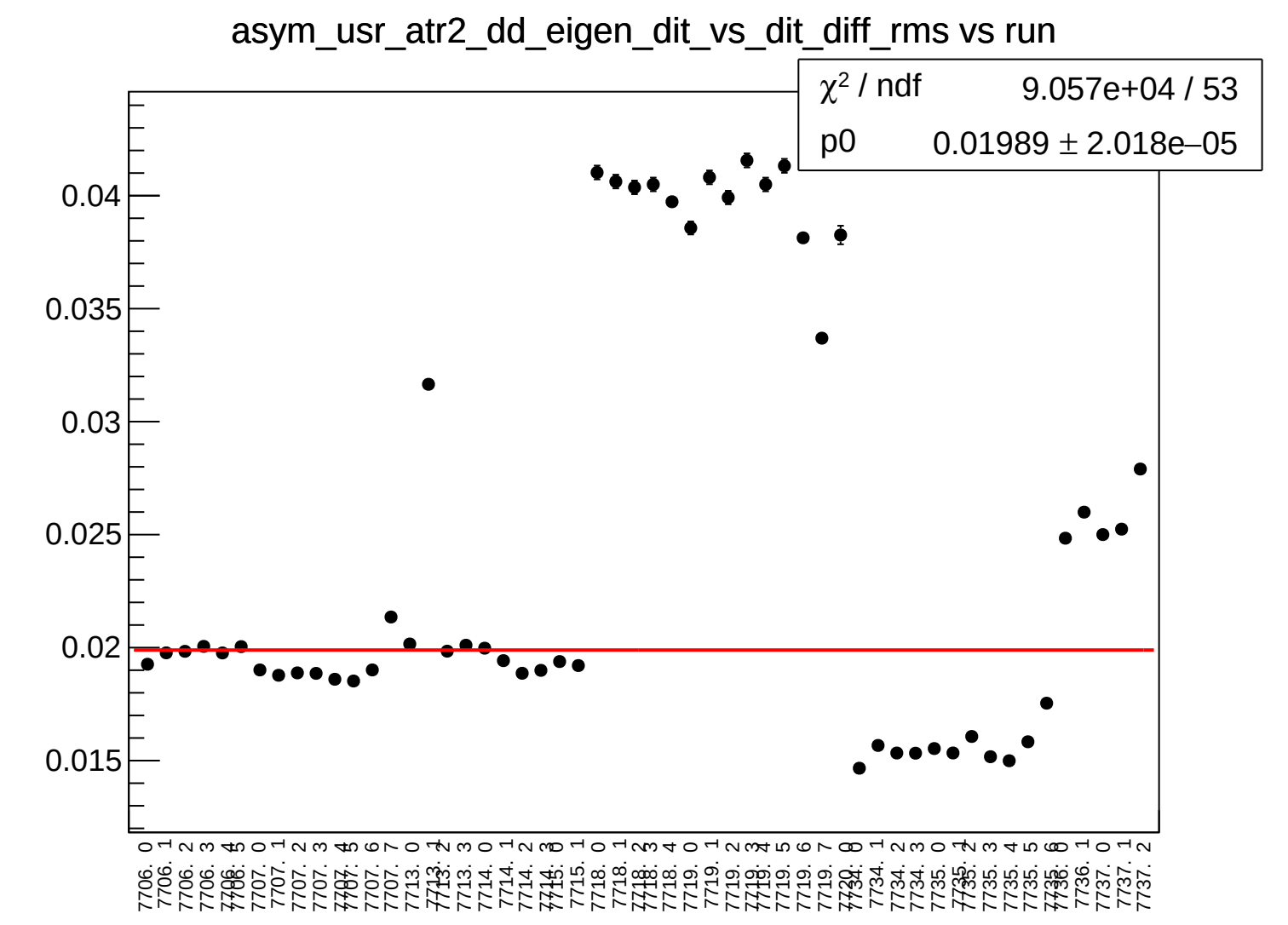

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.3 / 53
p0 0.209 ± 0.1736
pull
Entries 54
Mean 7.824
Std Dev 0

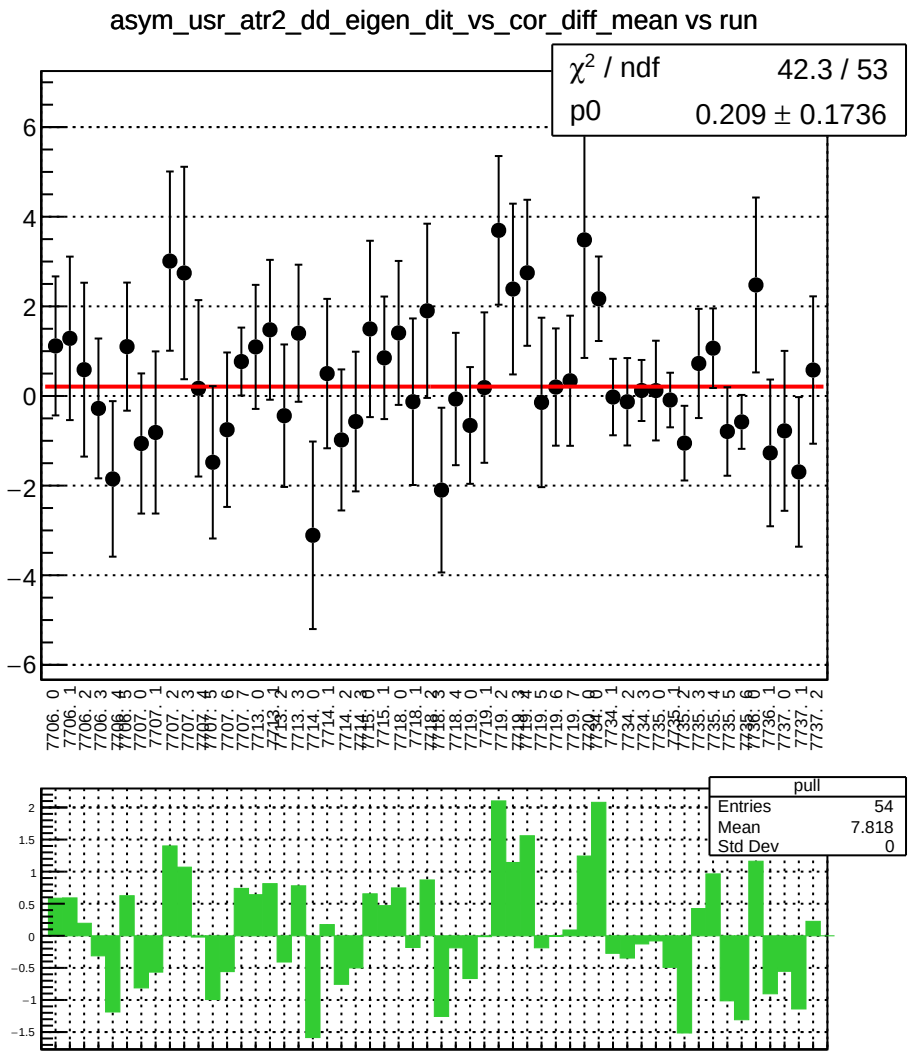

pull1D
Entries 54
Mean 0.06297
Std Dev 0.8828

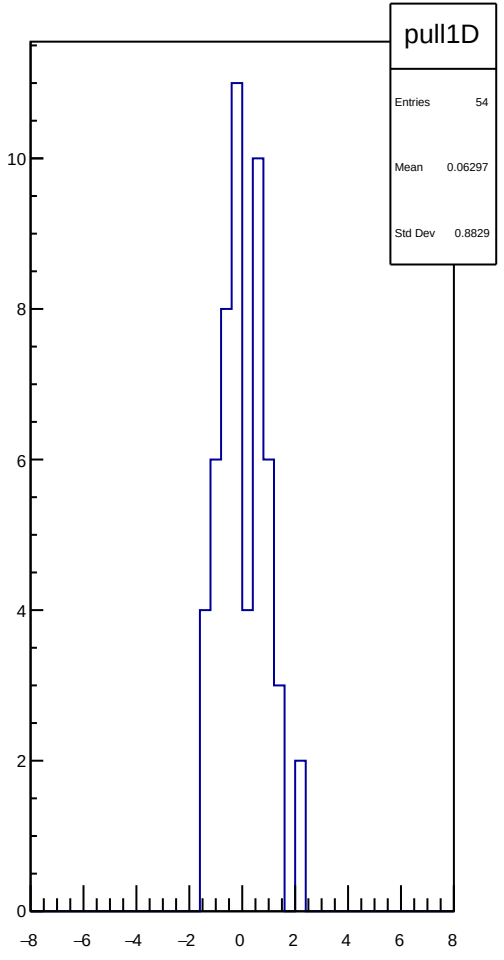

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.253e+05 / 53
p0 118.8 ± 0.1228
240
220
200
180
160
140
120
100
80
60

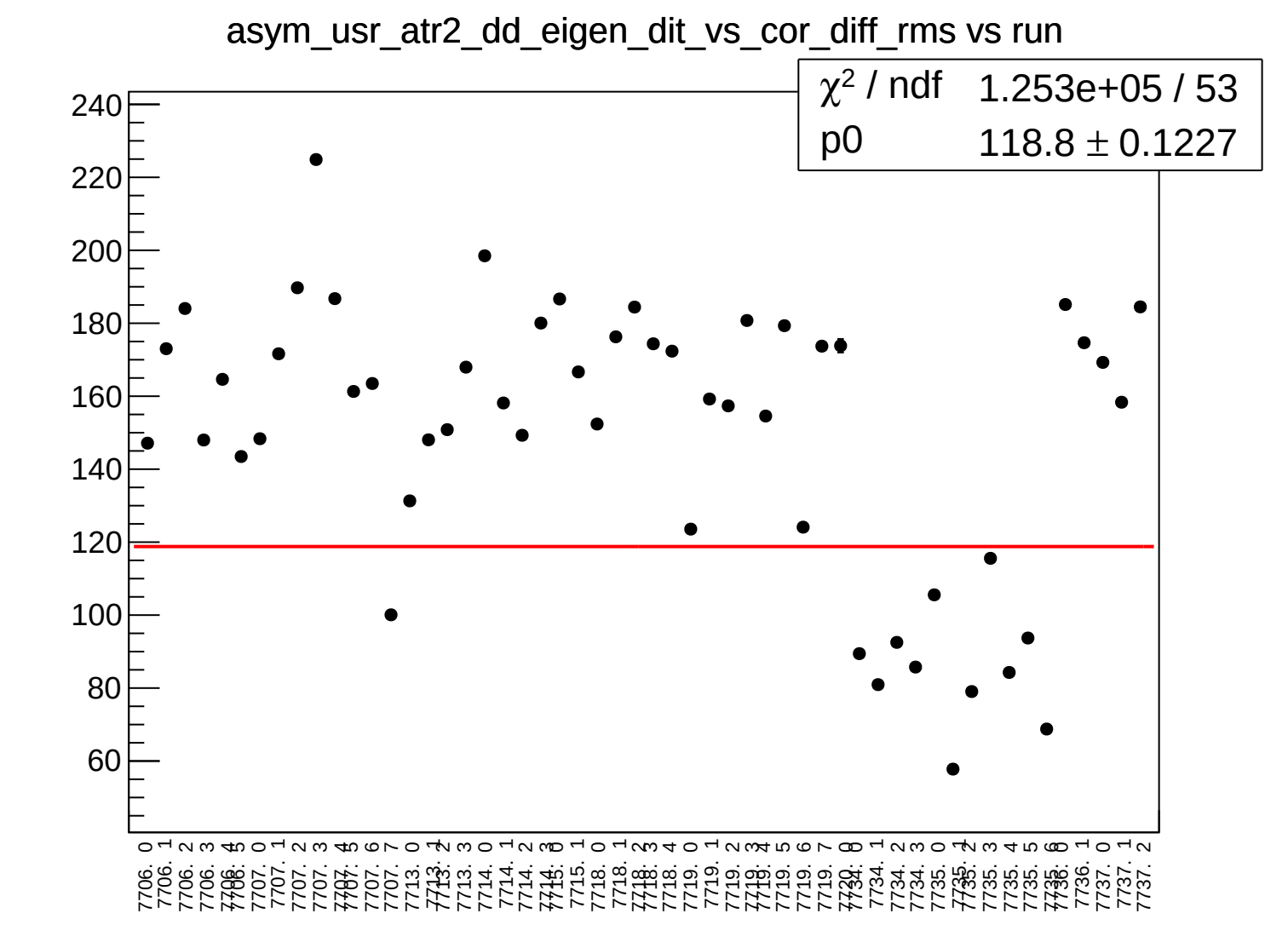

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 50.38 / 53
p0 3.658e−05 ± 2.854e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 54
Mean 43.71
Std Dev 0
3
2
1
0
−1
−2

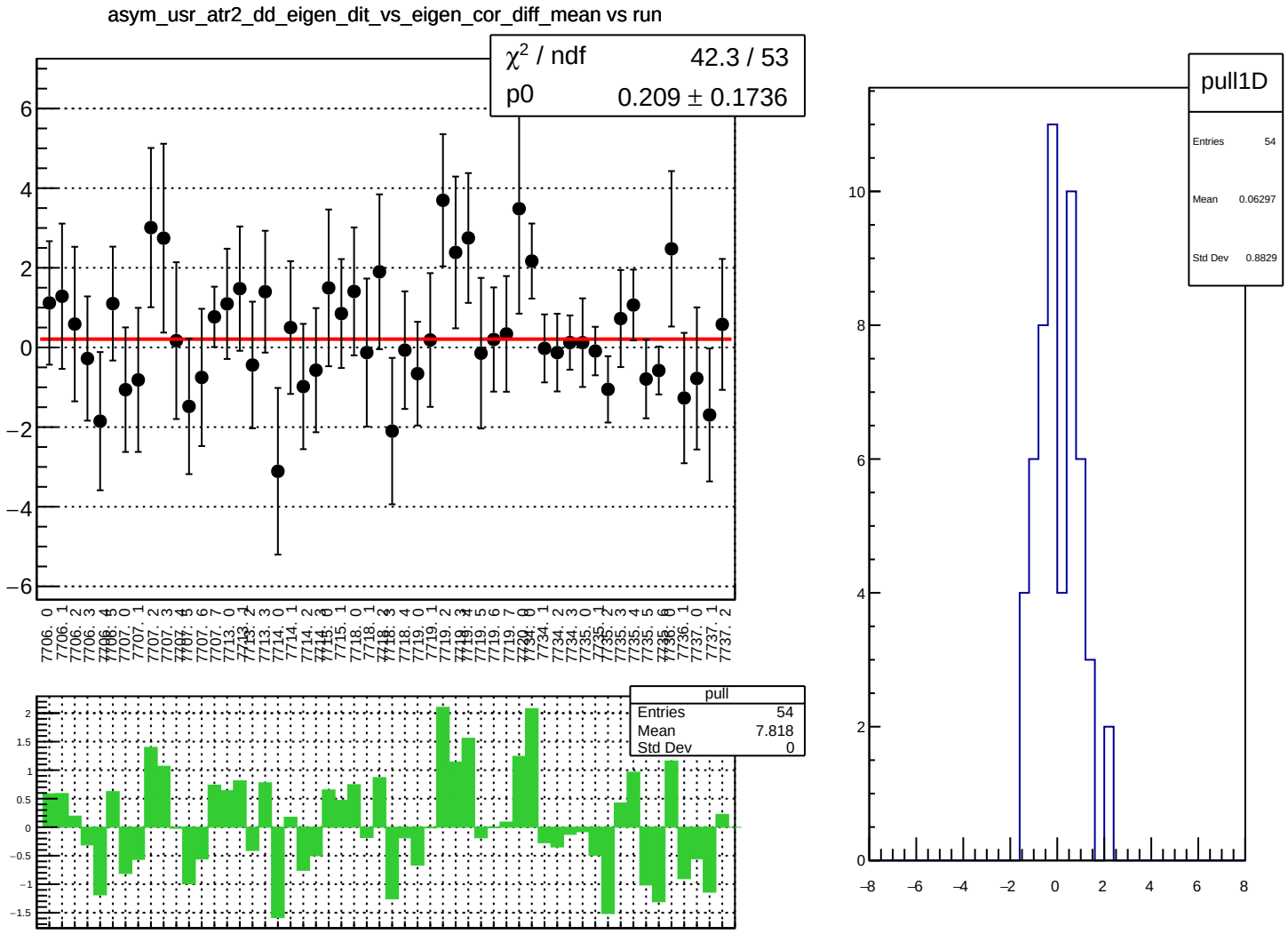

pull1D
Entries 54
Mean −0.06016
Std Dev 0.964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

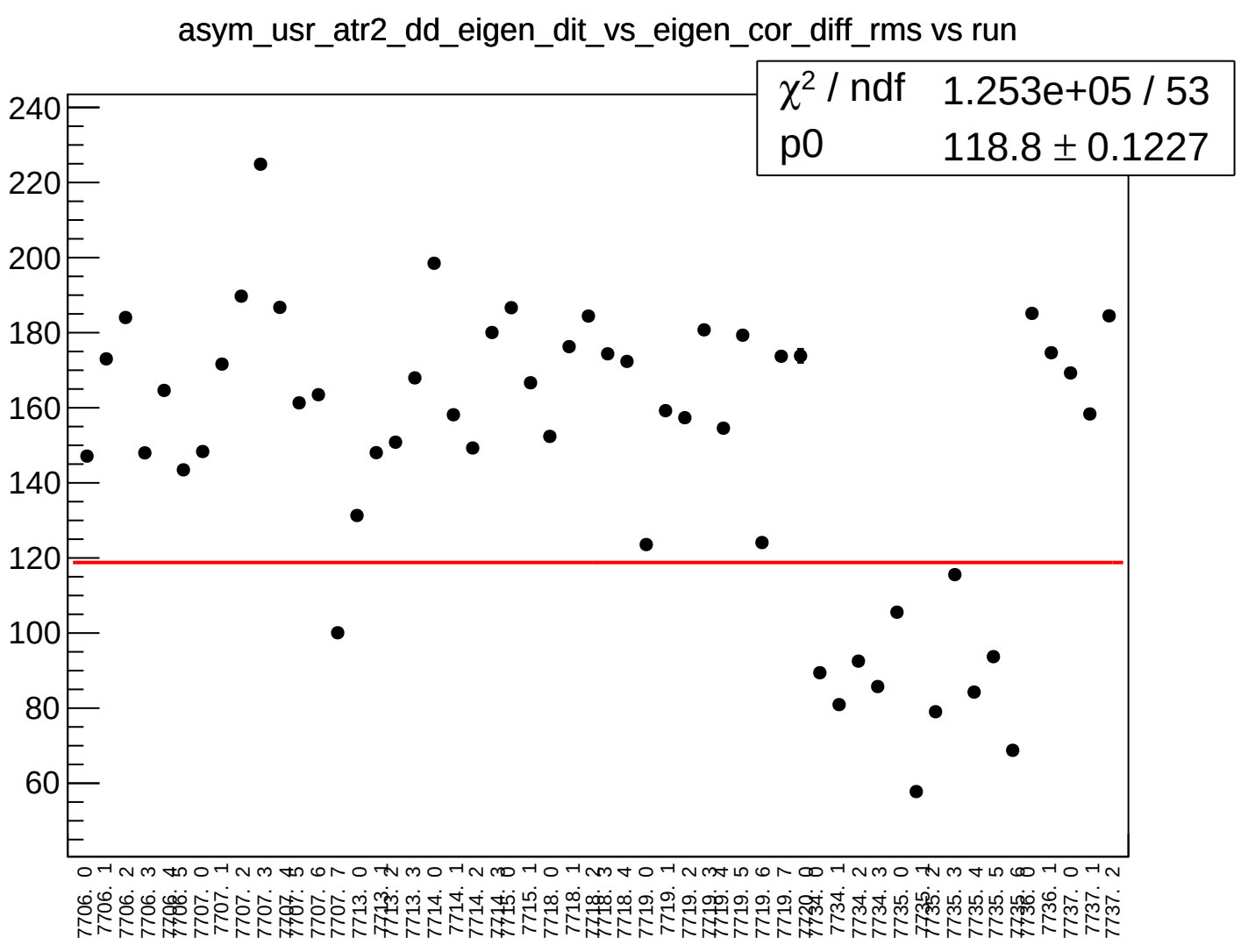

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.057e+04 / 53
p0 0.01989 ± 2.018e–05
0.04
0.035
0.03
0.025
0.02
0.015

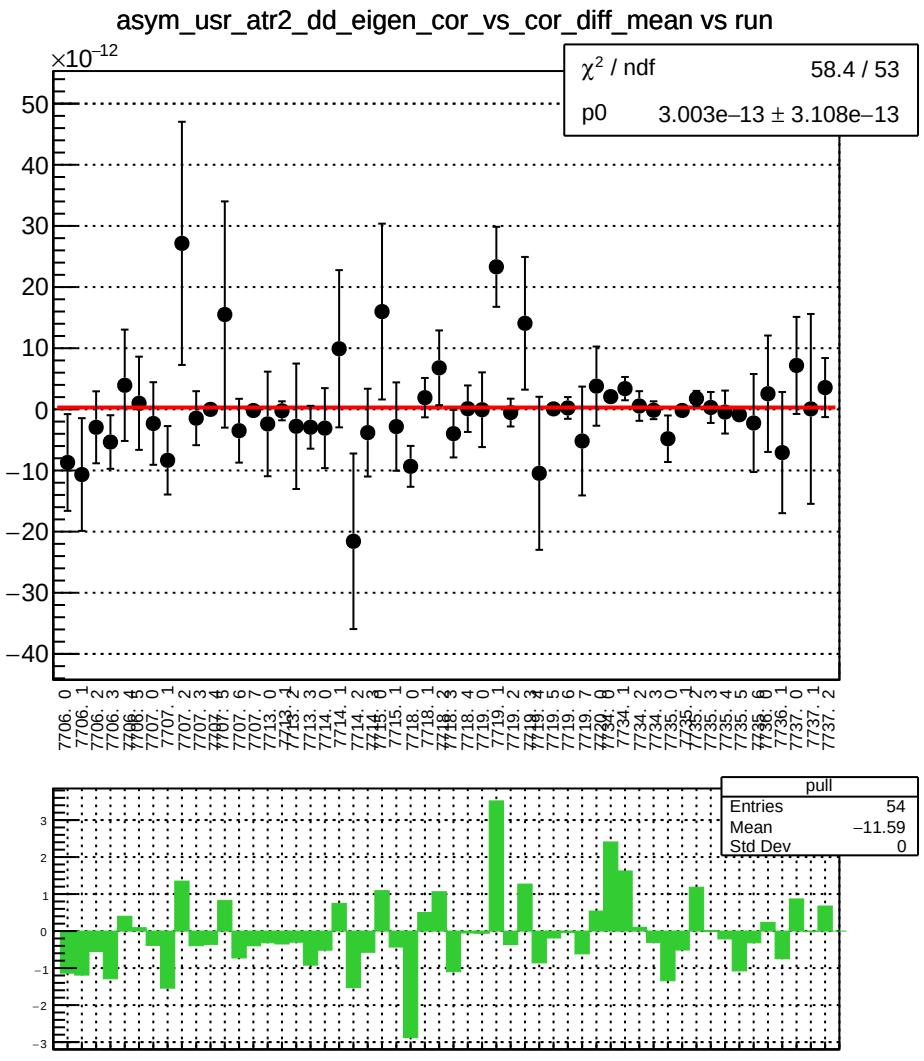

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.3 / 53
p0 0.209 ± 0.1736
pull
Entries 54
Mean 7.818
Std Dev 0

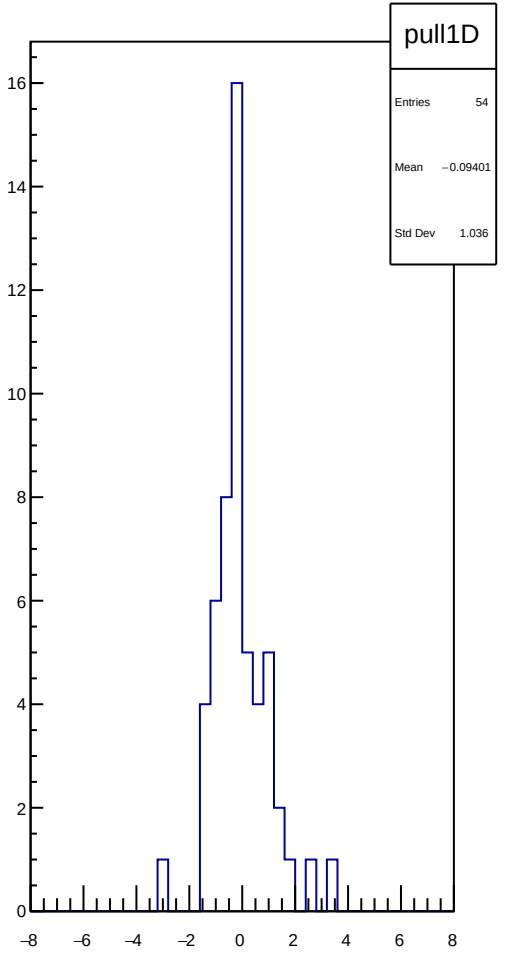

pull1D
Entries 54
Mean 0.06297
Std Dev 0.8829

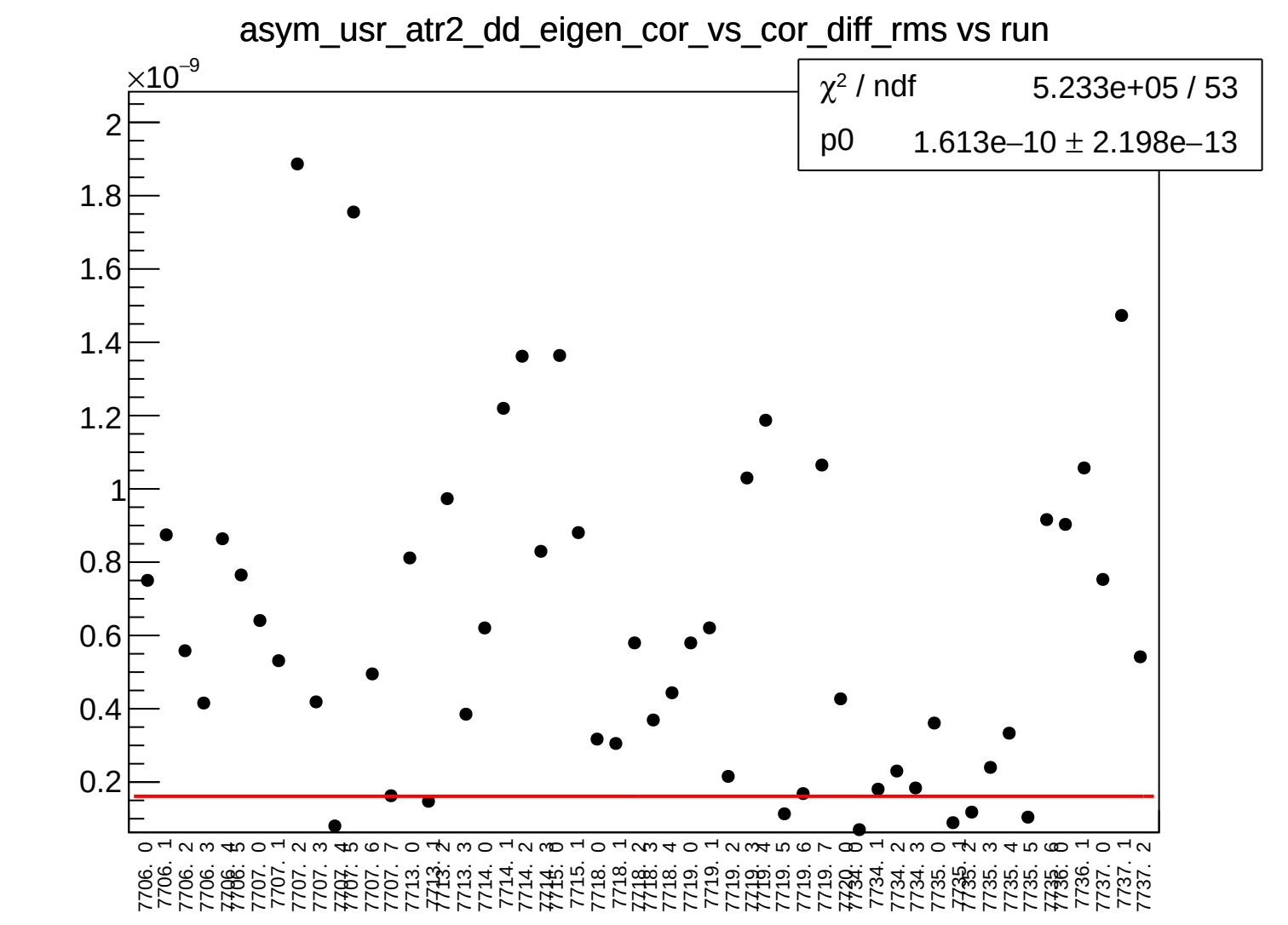

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.253e+05 / 53
p0 118.8 ± 0.1227
240
220
200
180
160
140
120
100
80
60

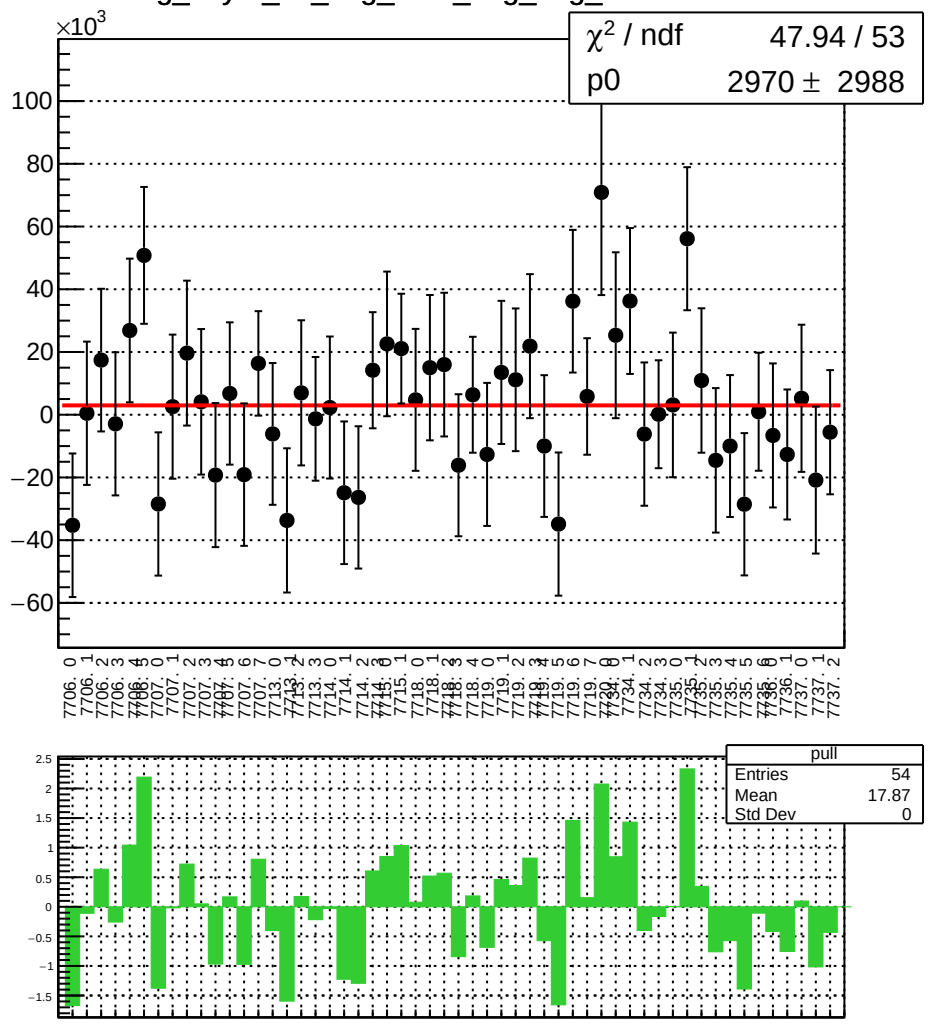

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.3 / 53
p0 0.209 ± 0.1736
pull
Entries 54
Mean 7.818
Std Dev 0
pull1D
Entries 54
Mean 0.06297
Std Dev 0.8829

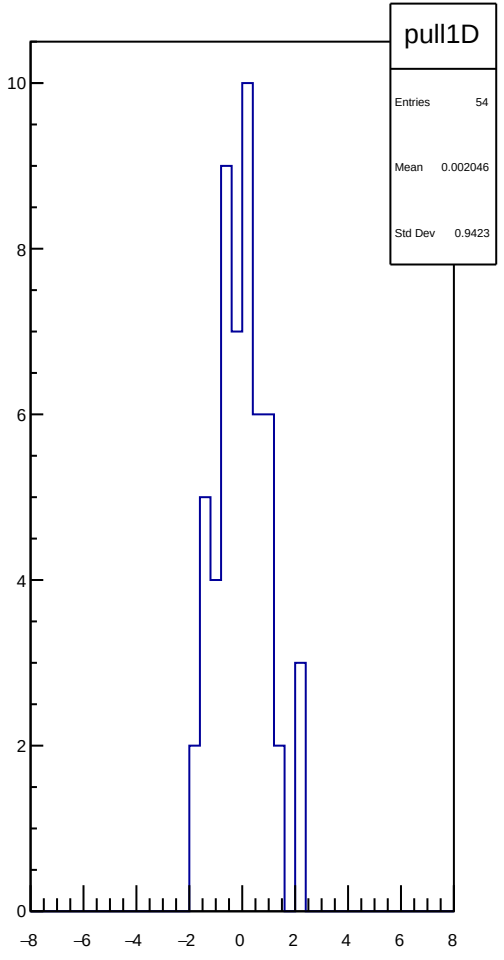

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.253e+05 / 53
p0 118.8 ± 0.1227
240
220
200
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

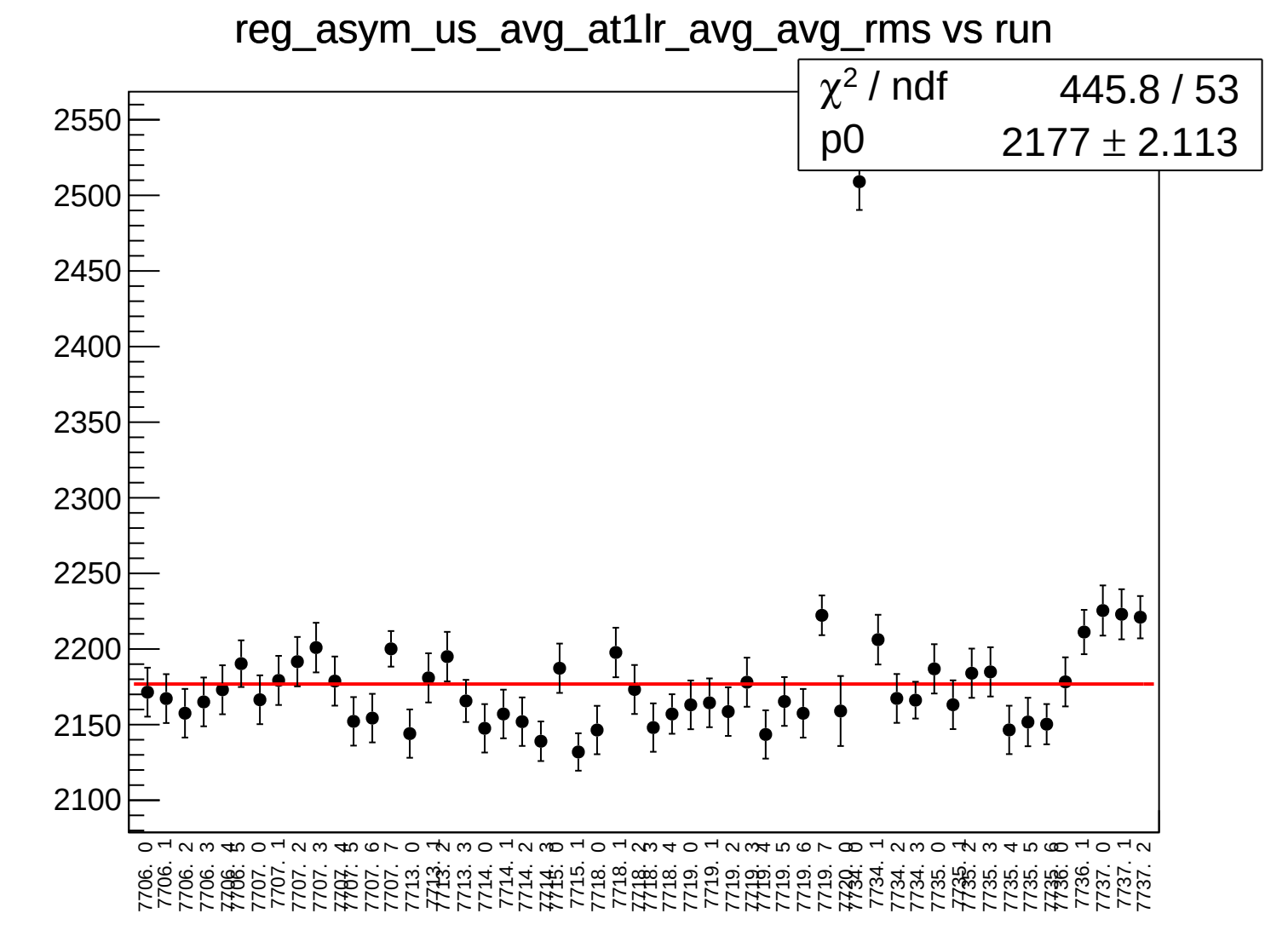

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.4 / 53
p0 3.003e−13 ± 3.108e−13
pull
Entries 54
Mean −11.59
Std Dev 0

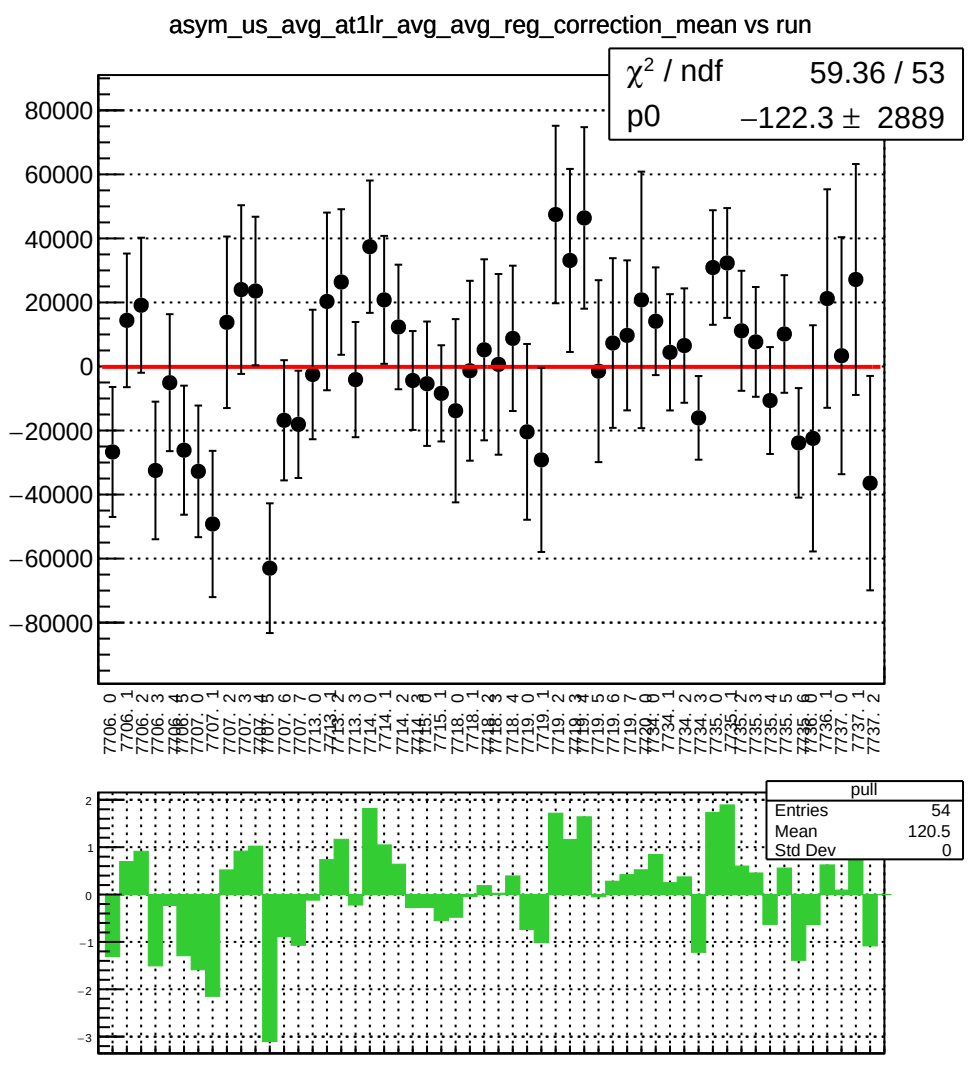

pull1D
Entries 54
Mean −0.09401
Std Dev 1.036

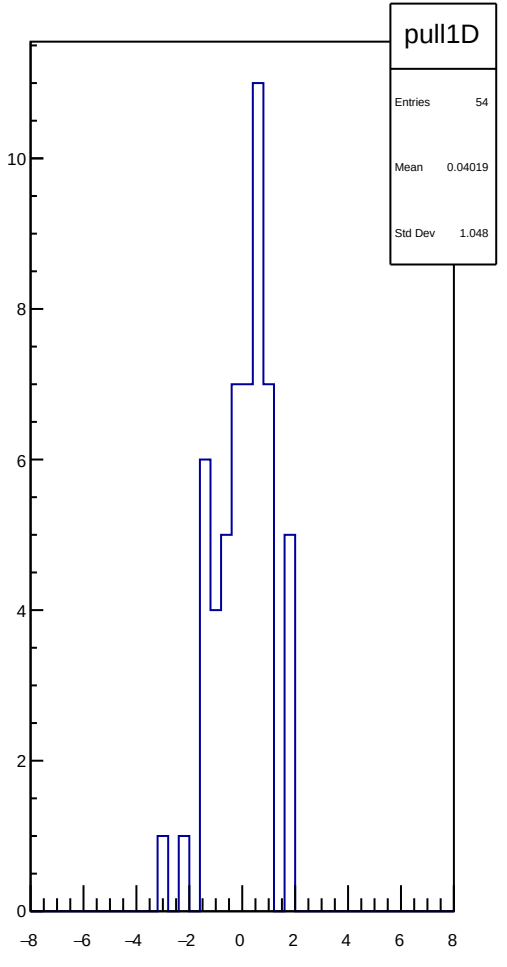

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.233e+05 / 53
p0 1.613e−10 ± 2.198e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

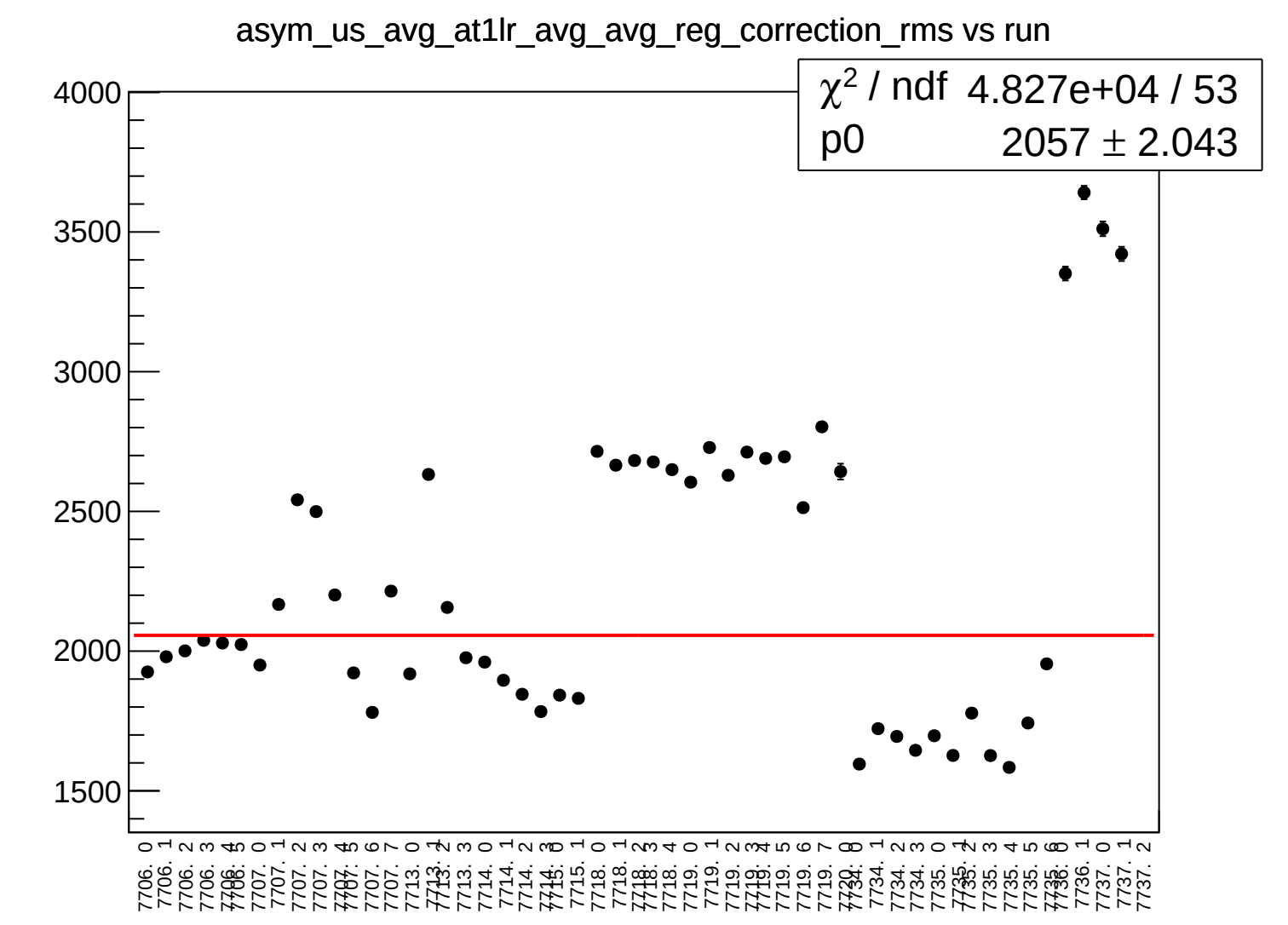

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.94 / 53
p0 2970 ± 2988
pull
Entries 54
Mean 17.87
Std Dev 0

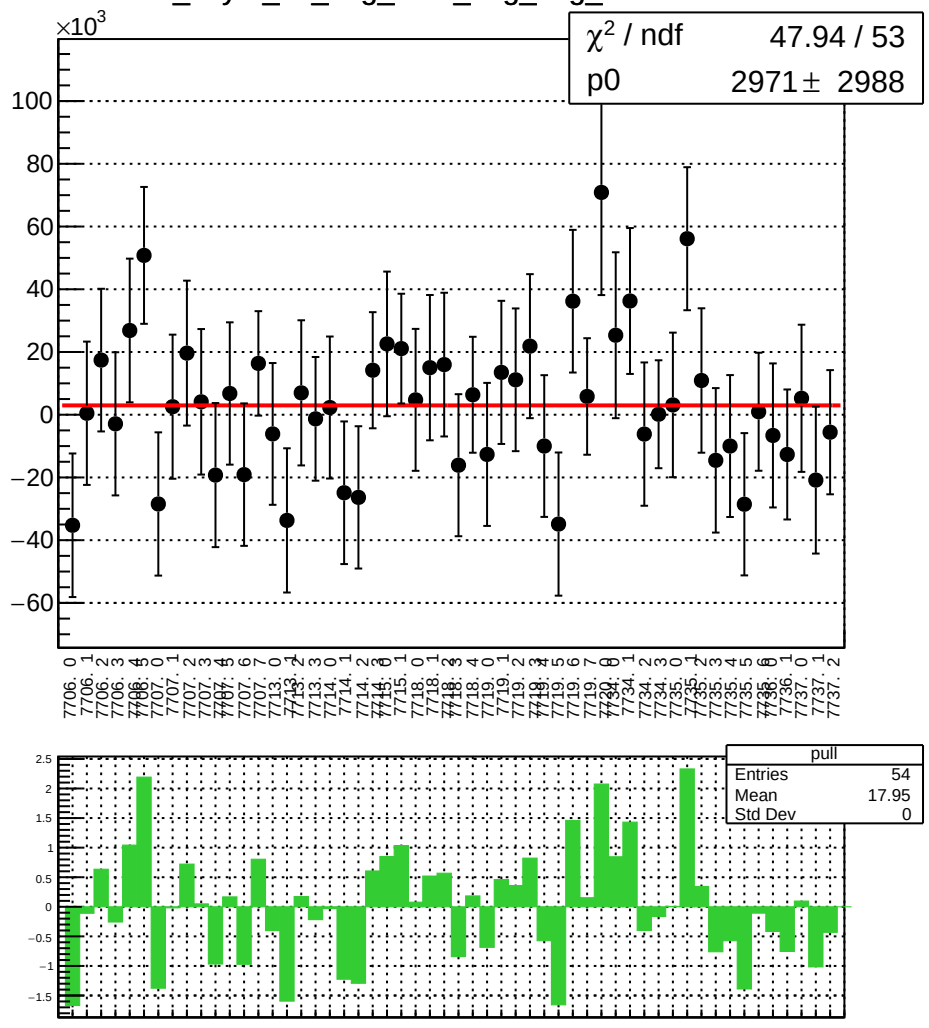

pull1D
Entries 54
Mean 0.002046
Std Dev 0.9423

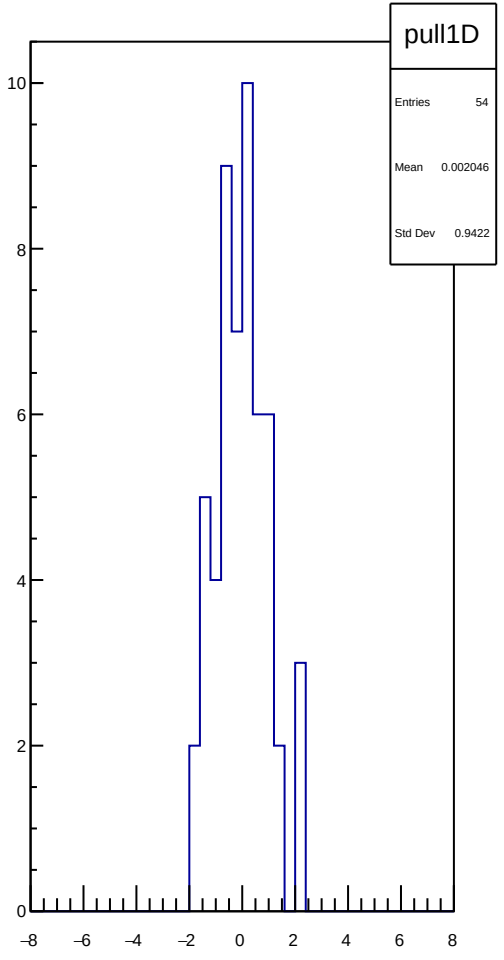

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 445.8 / 53
p0 2177 ± 2.113
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

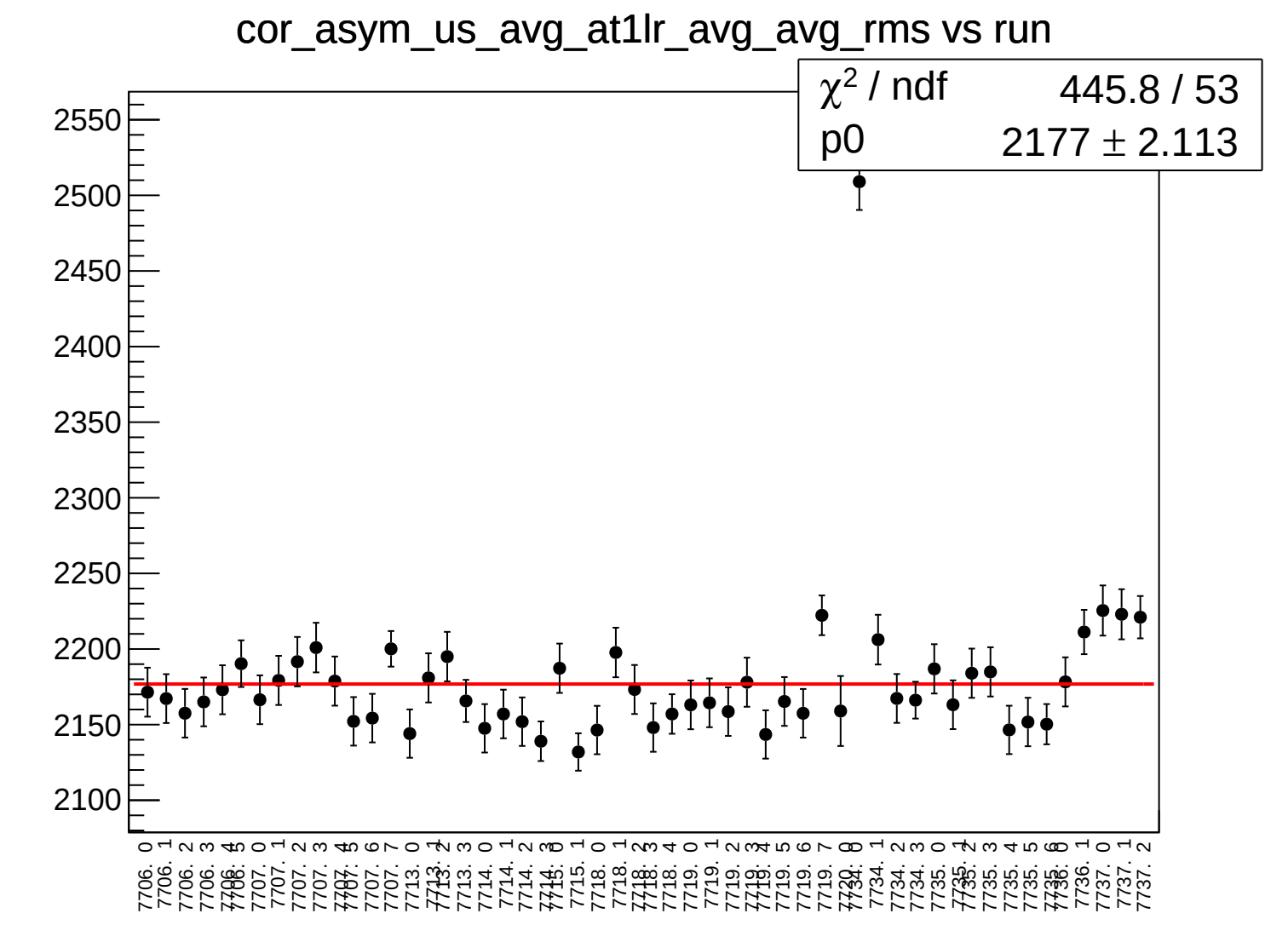

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 59.36 / 53
p0 −122.3 ± 2889
pull
Entries 54
Mean 120.5
Std Dev 0

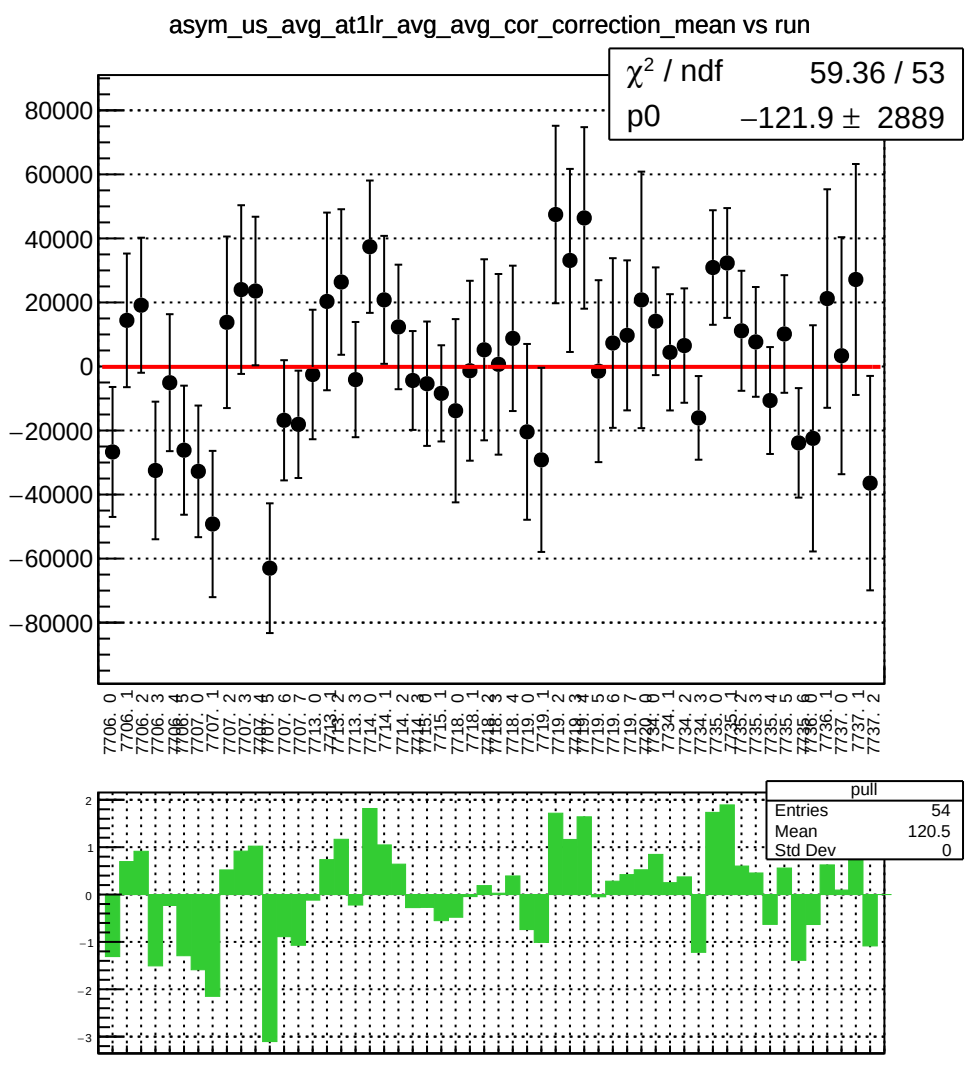

pull1D
Entries 54
Mean 0.04019
Std Dev 1.048

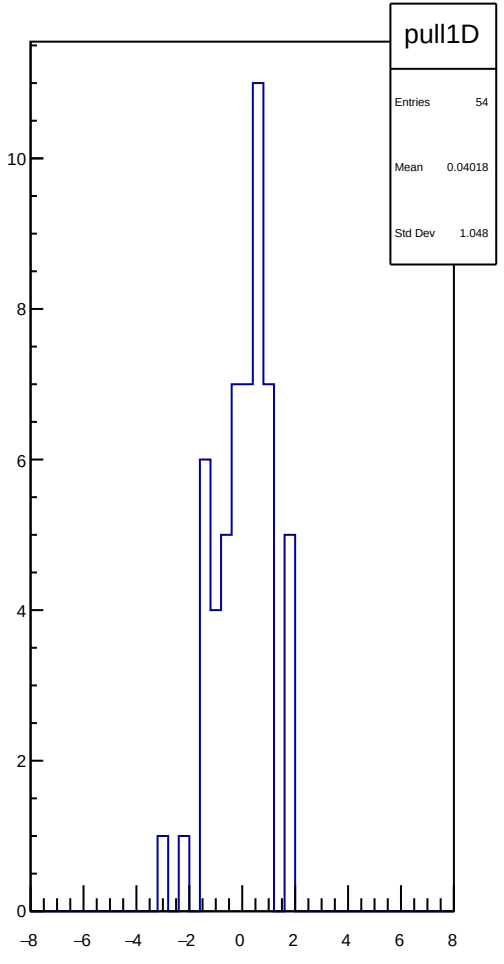

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4.827e+04 / 53
p0 2057 ± 2.043
4000
3500
3000
2500
2000
1500

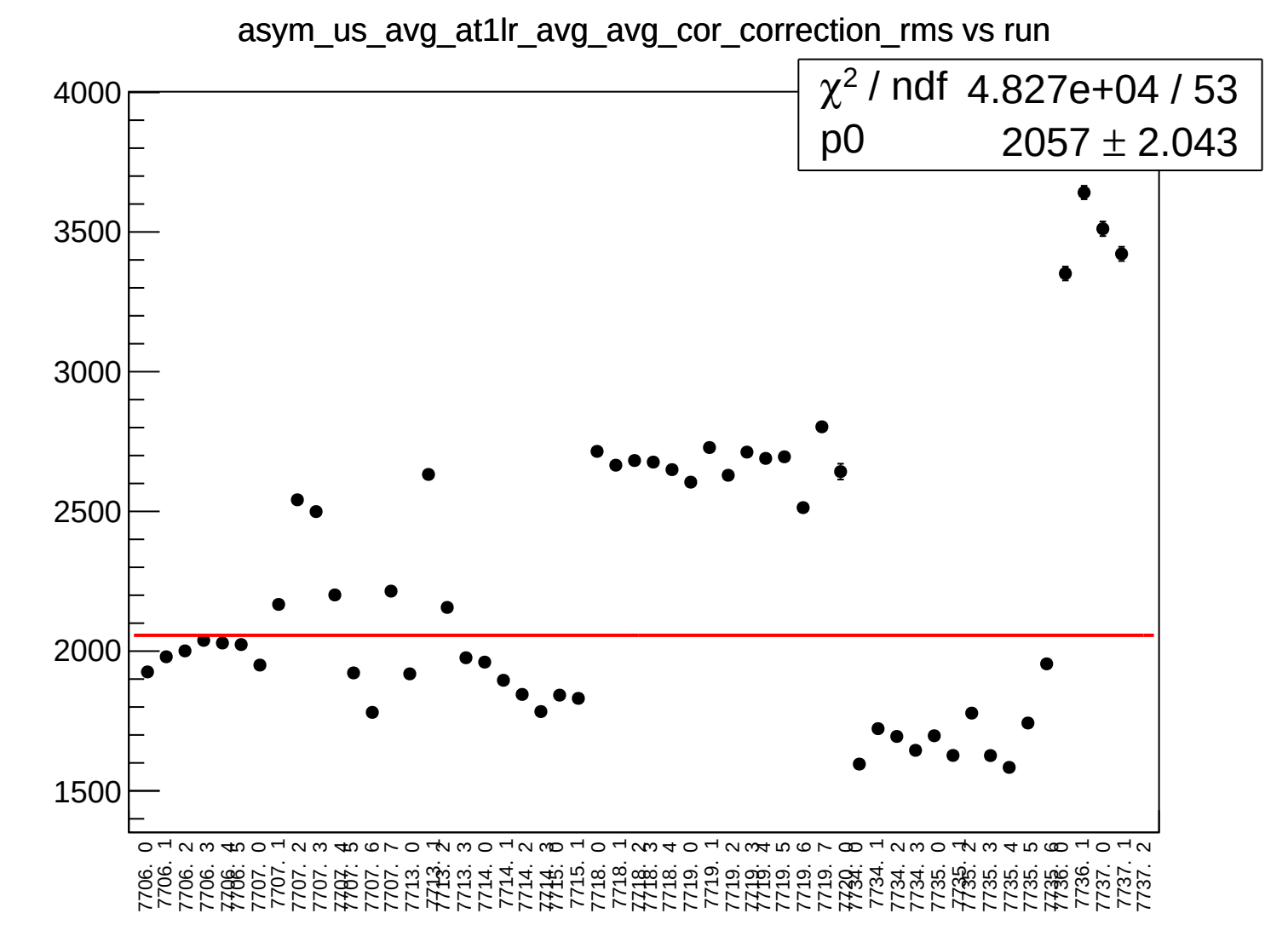

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.94 / 53
p0 2971 ± 2988
×10³
pull
Entries 54
Mean 17.95
Std Dev 0

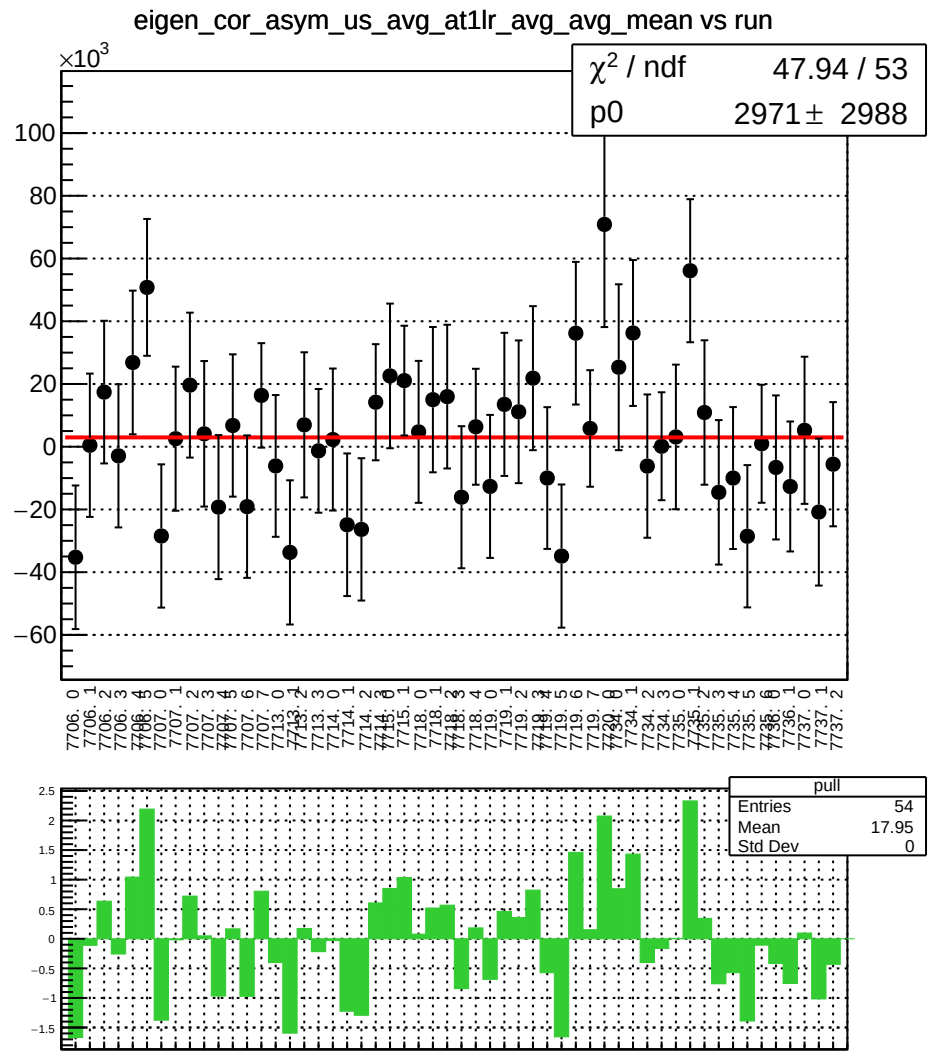

pull1D
Entries 54
Mean 0.002046
Std Dev 0.9422

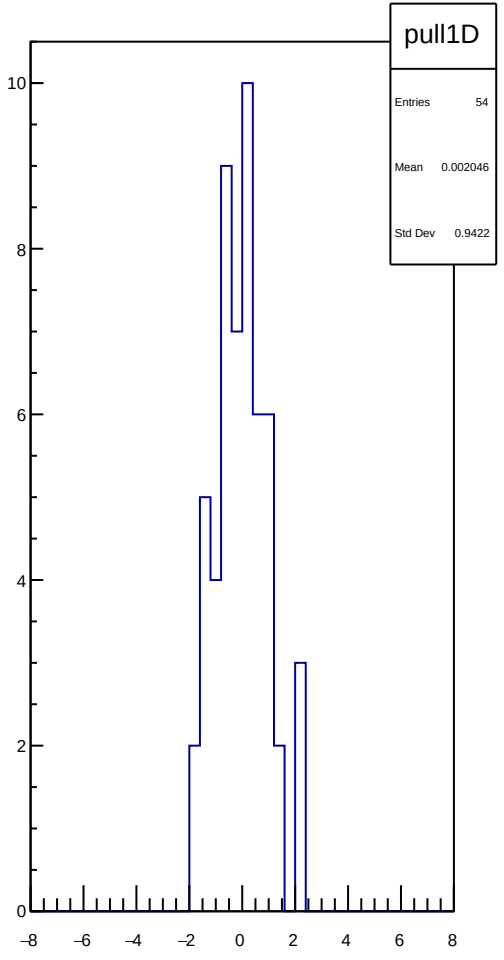

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 445.8 / 53
p0 2177 ± 2.113
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

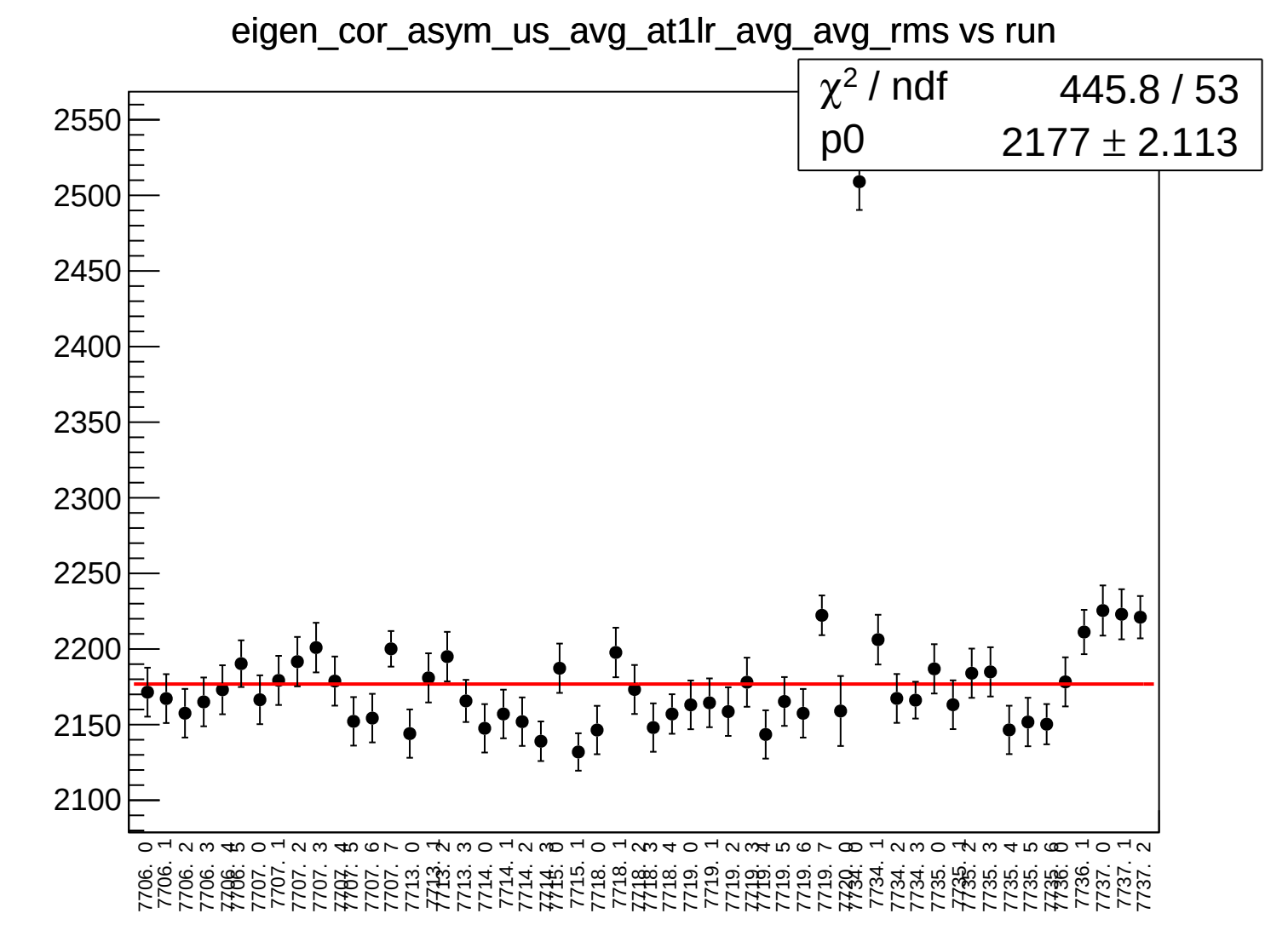

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 59.36 / 53
p0 −121.9 ± 2889
pull
Entries 54
Mean 120.5
Std Dev 0

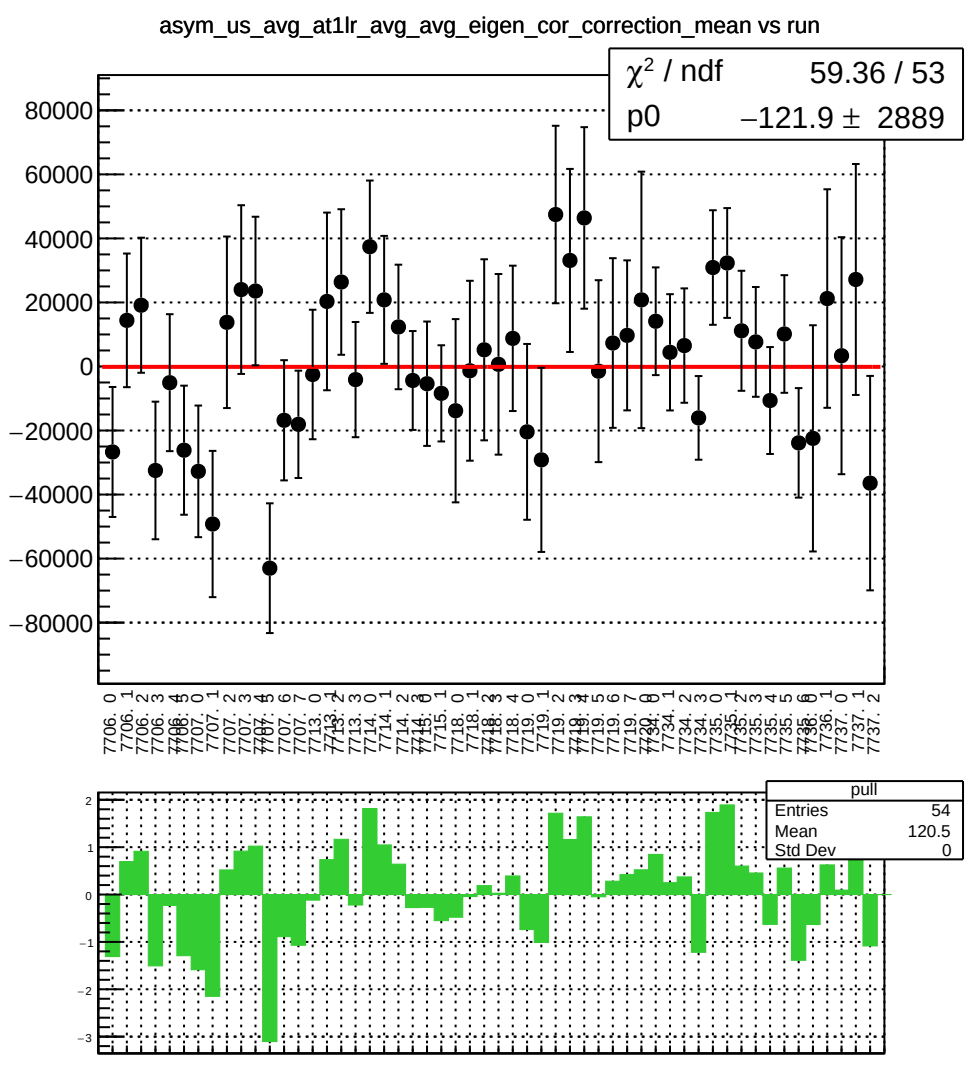

pull1D
Entries 54
Mean 0.04018
Std Dev 1.048

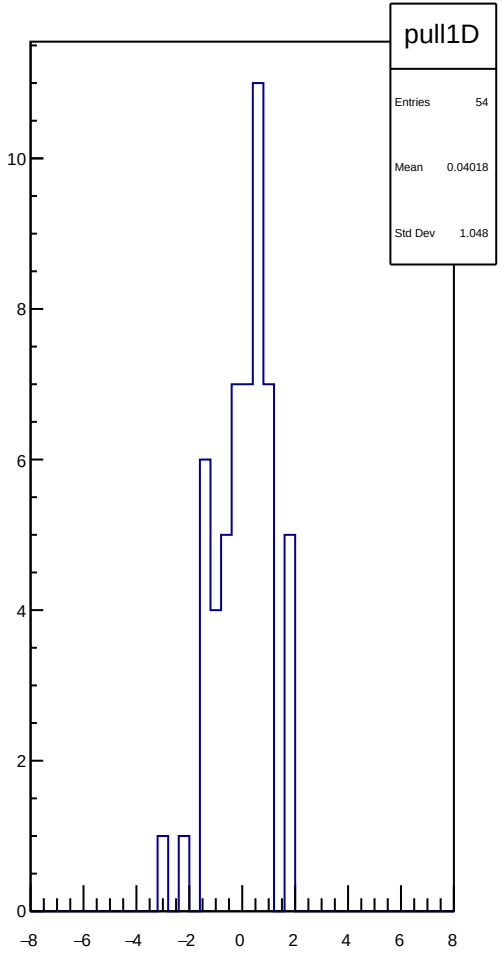

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4.827e+04 / 53
p0 2057 ± 2.043
4000
3500
3000
2500
2000
1500

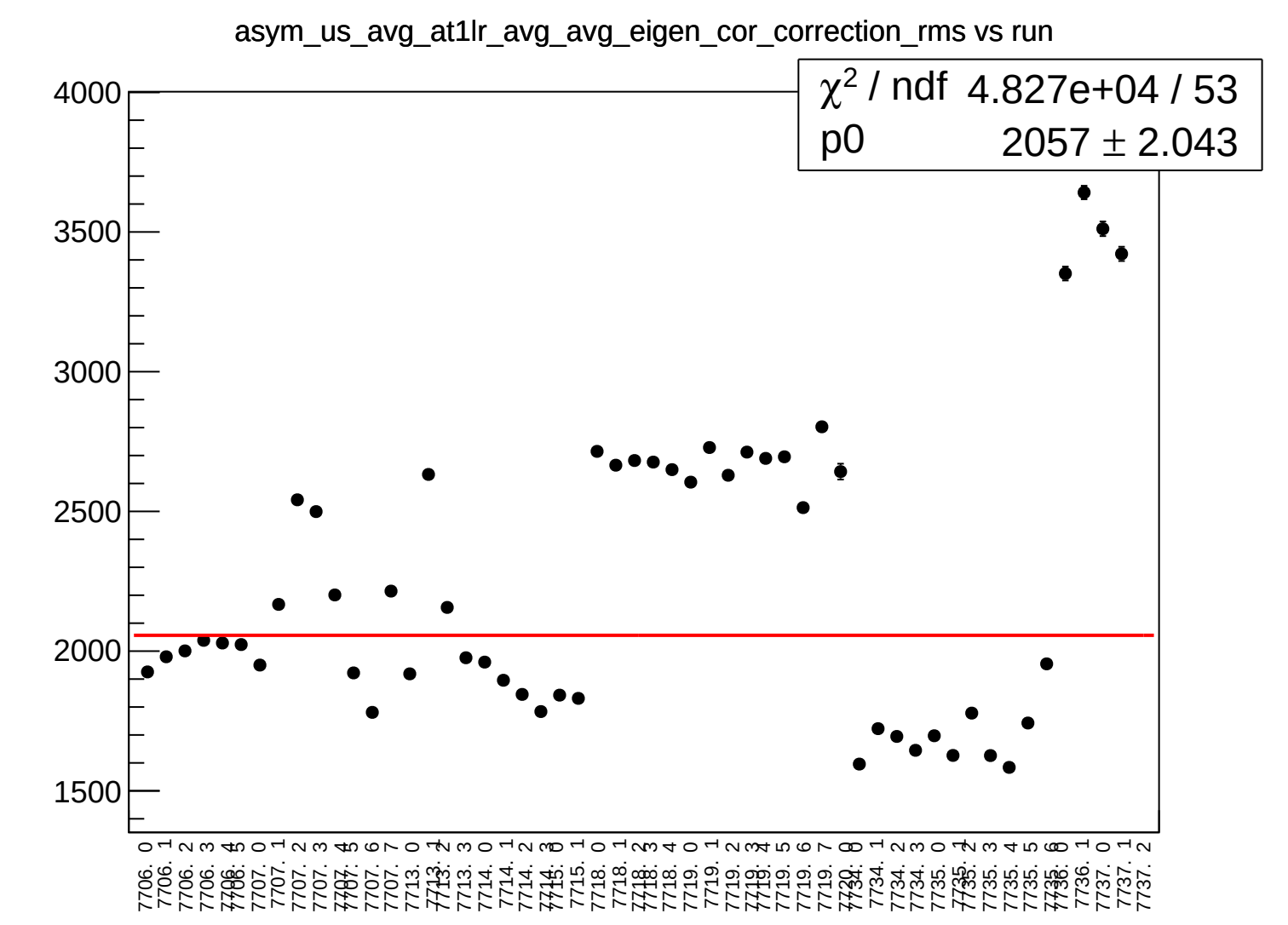

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.94 / 53
p0 2971 ± 2988
pull
Entries 54
Mean 17.95
Std Dev 0

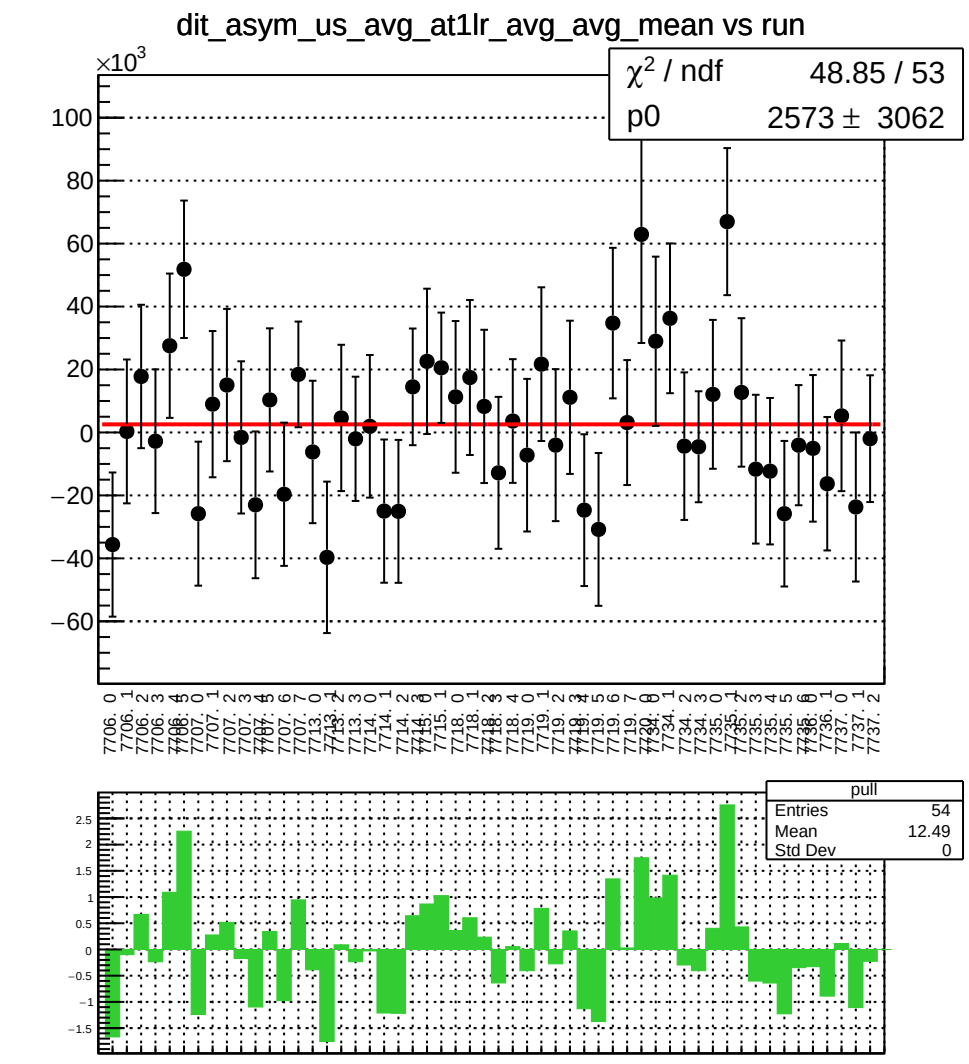

pull1D
Entries 54
Mean 0.002046
Std Dev 0.9422

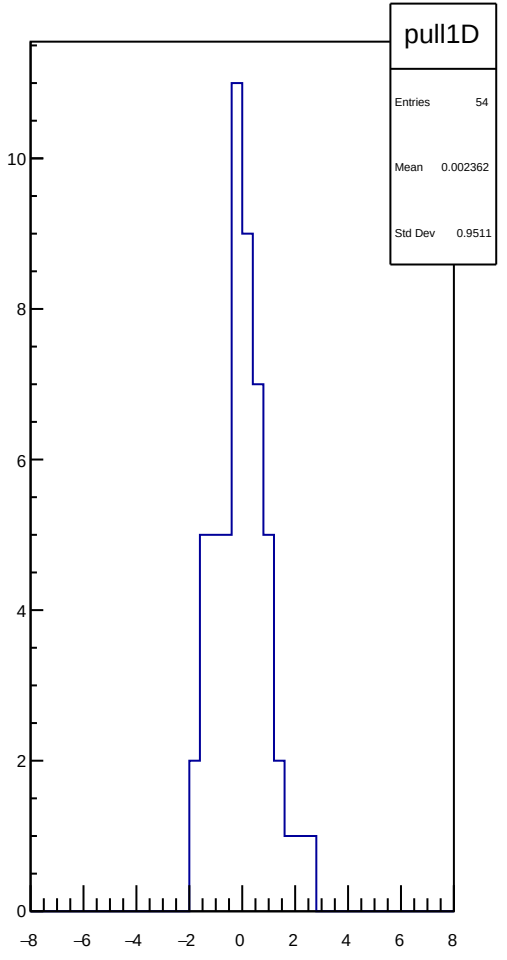

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 445.8 / 53
p0 2177 ± 2.113
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

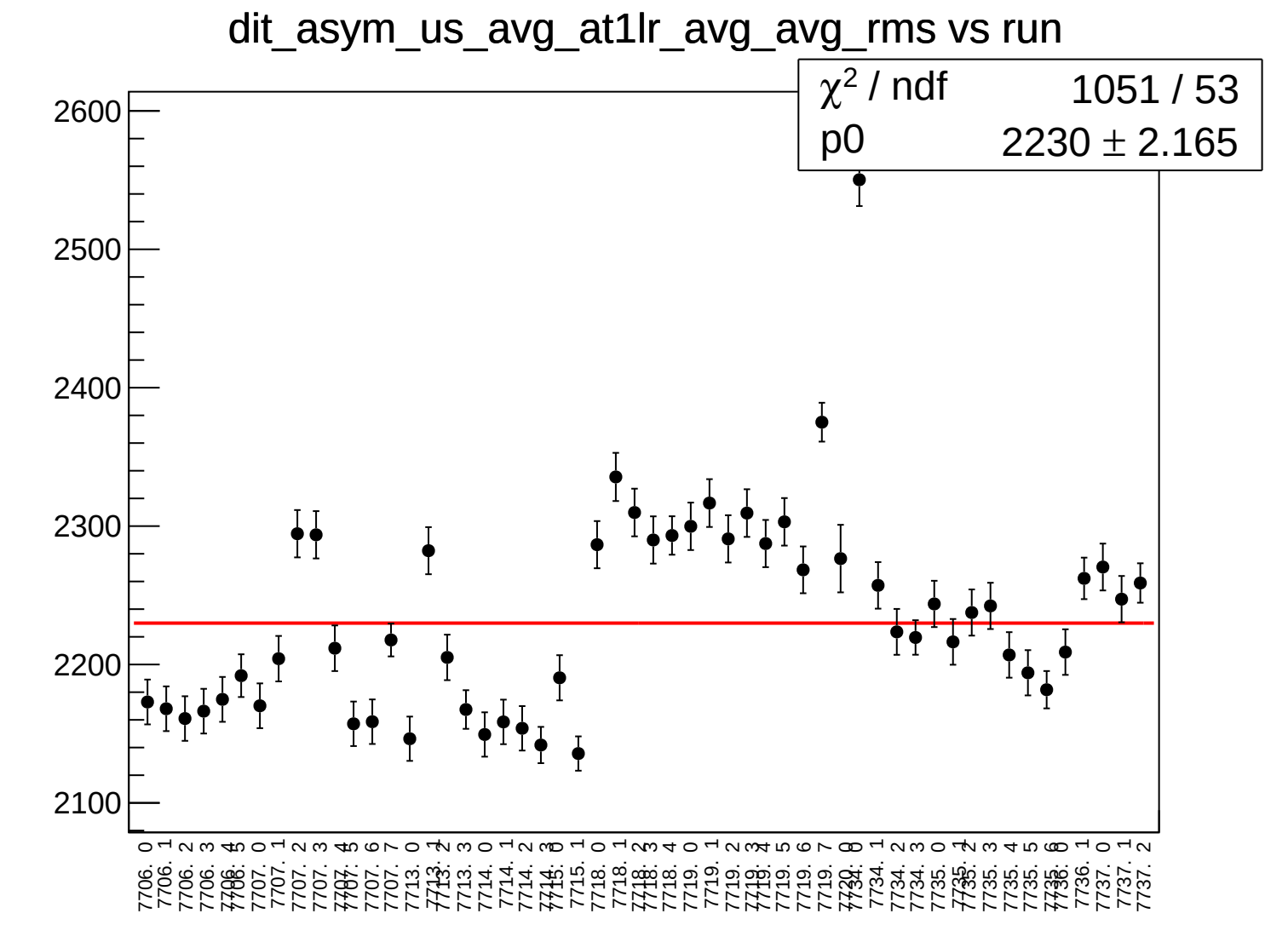

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.36 / 53
p0 −121.9 ± 2889
pull
Entries 54
Mean 120.5
Std Dev 0

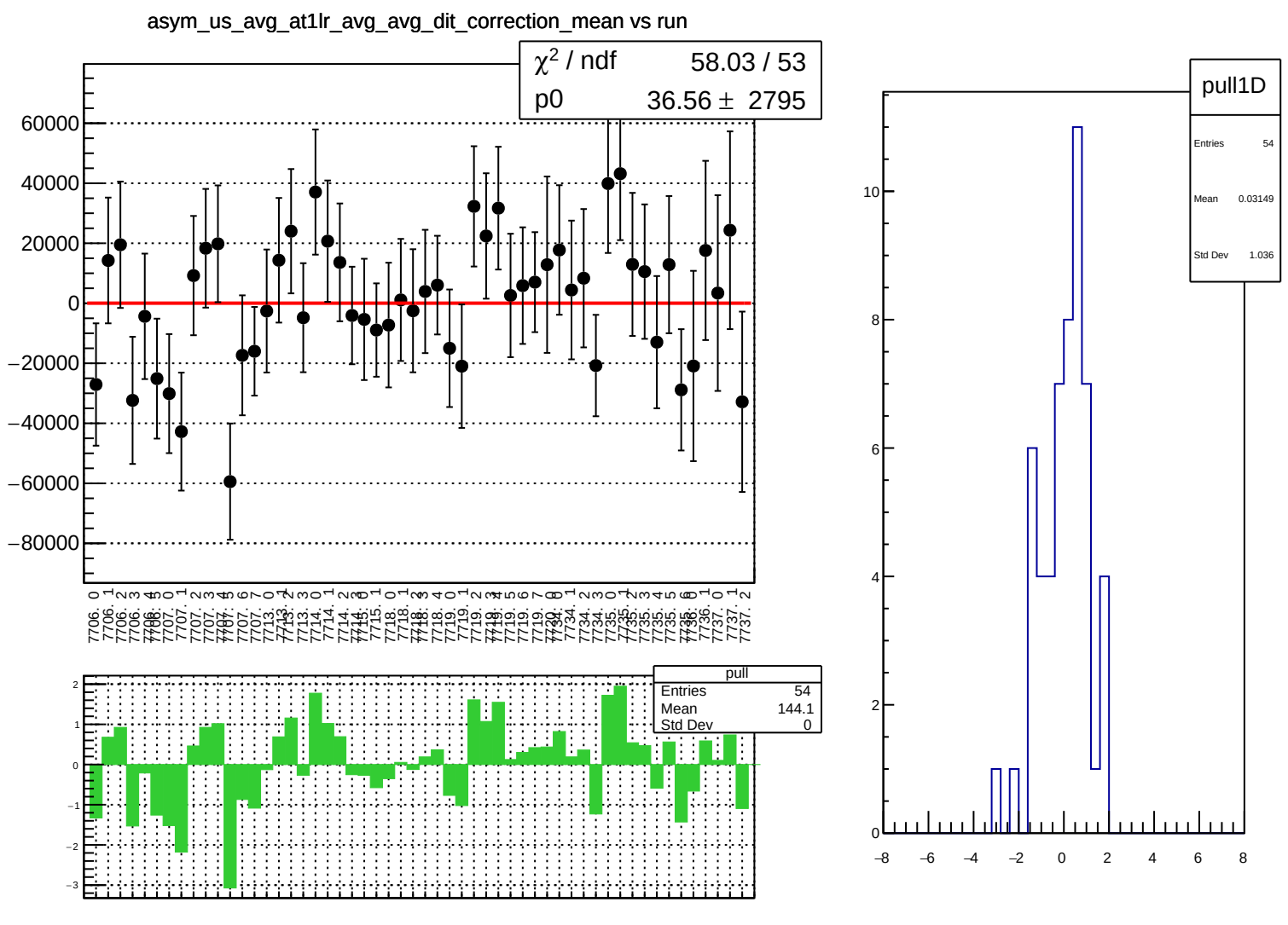

pull1D
Entries 54
Mean 0.04018
Std Dev 1.048

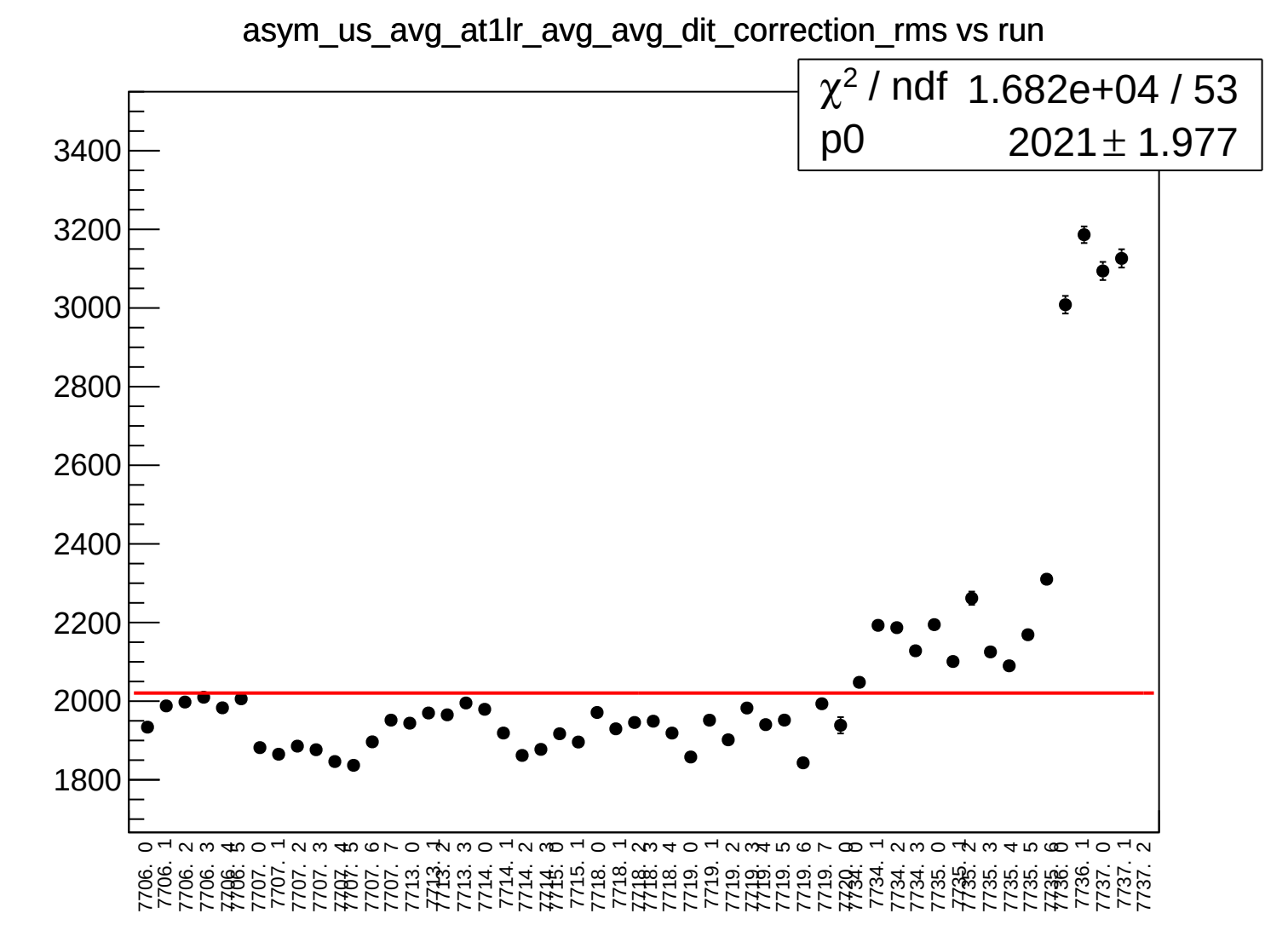

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.827e+04 / 53
p0 2057 ± 2.043
4000
3500
3000
2500
2000
1500

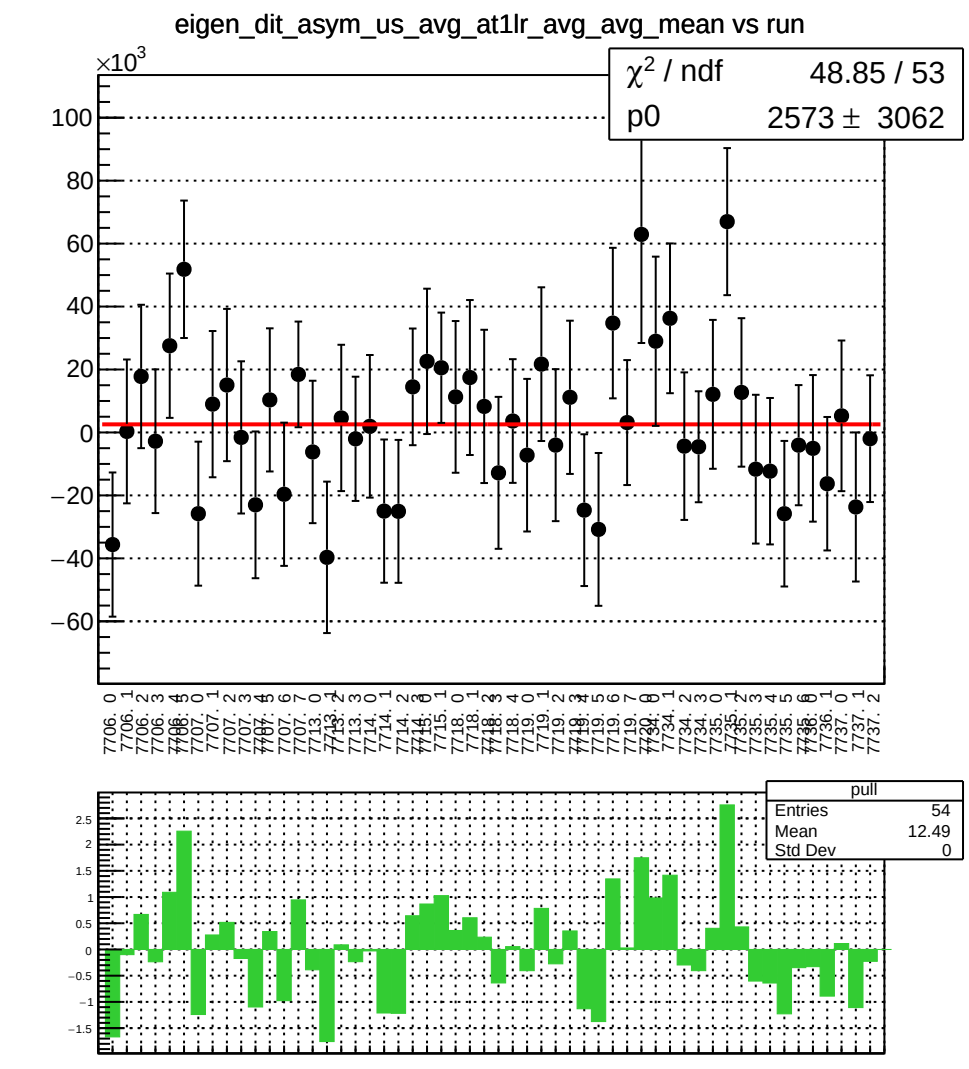

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 48.85 / 53
p0 2573 ± 3062
pull
Entries 54
Mean 12.49
Std Dev 0

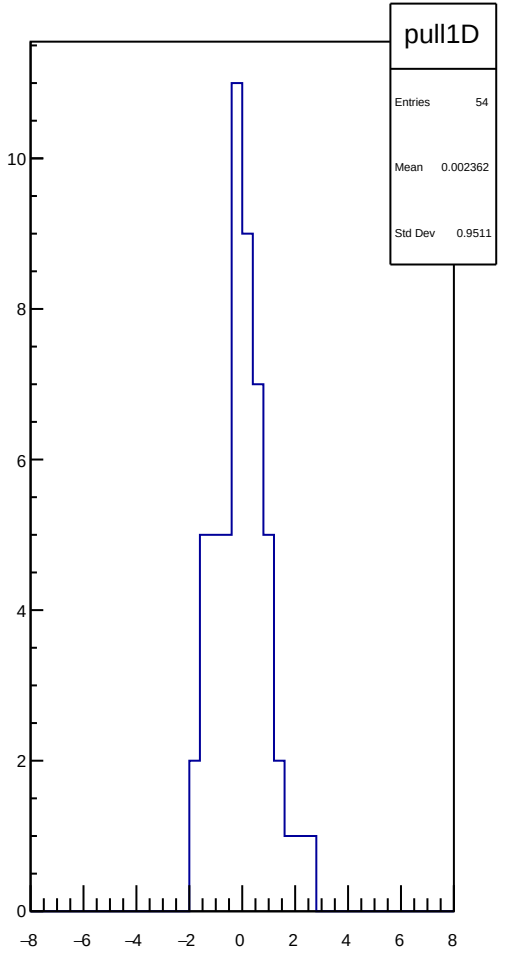

pull1D
Entries 54
Mean 0.002362
Std Dev 0.9511

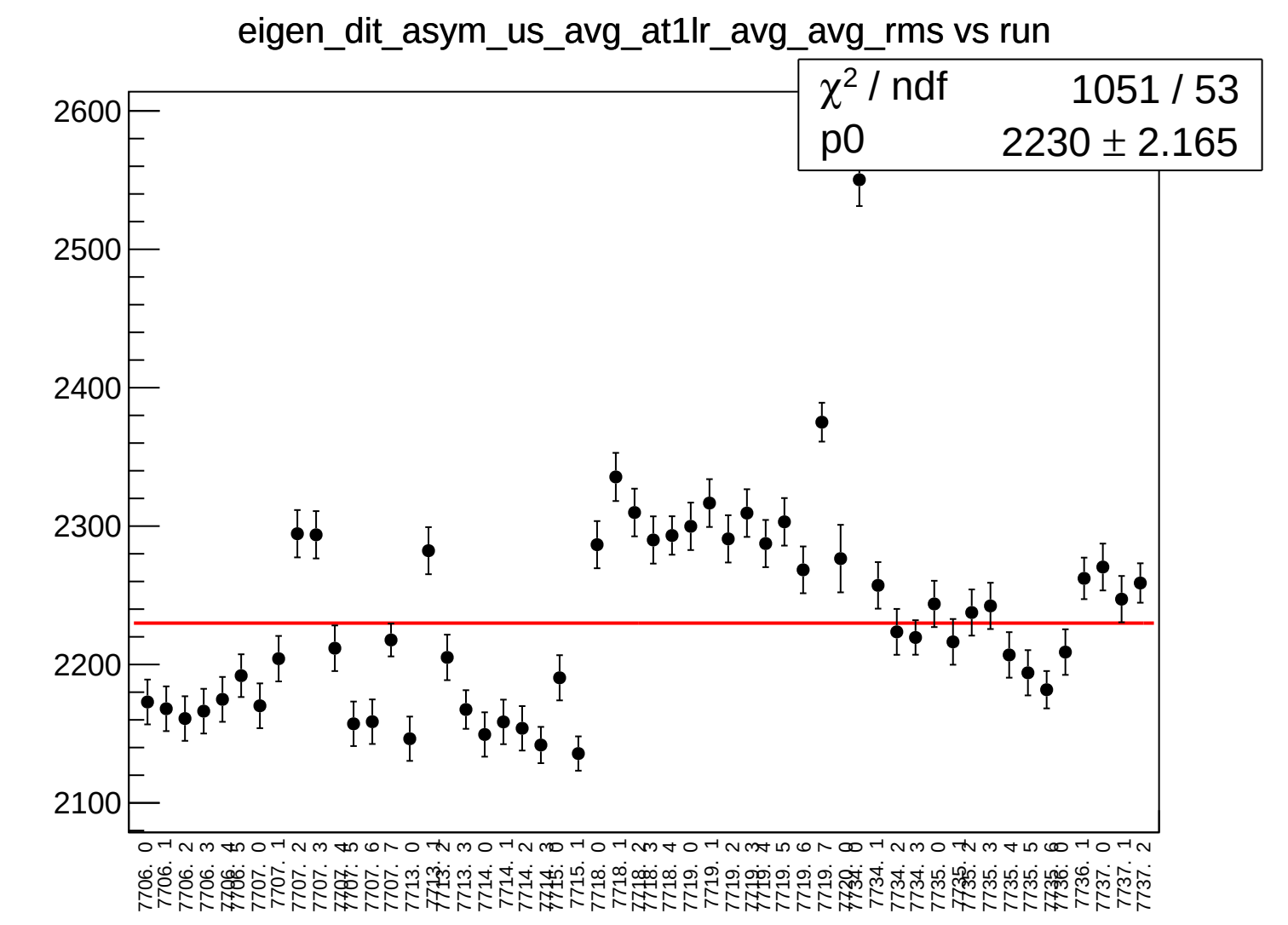

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1051 / 53
p0 2230 ± 2.165
2600
2500
2400
2300
2200
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

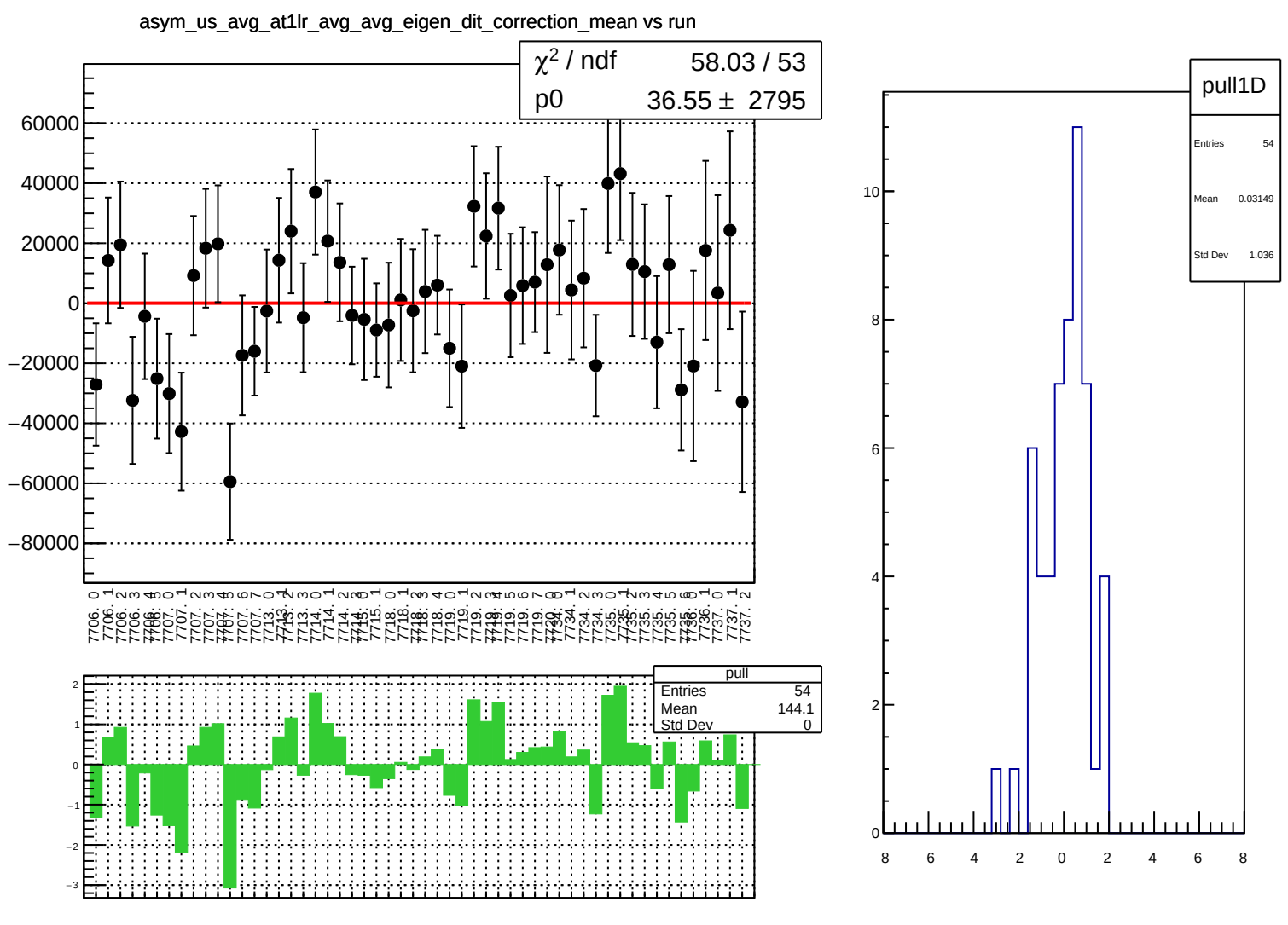

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 58.03 / 53
p0 36.56 ± 2795
pull
Entries 54
Mean 144.1
Std Dev 0
pull1D
Entries 54
Mean 0.03149
Std Dev 1.036

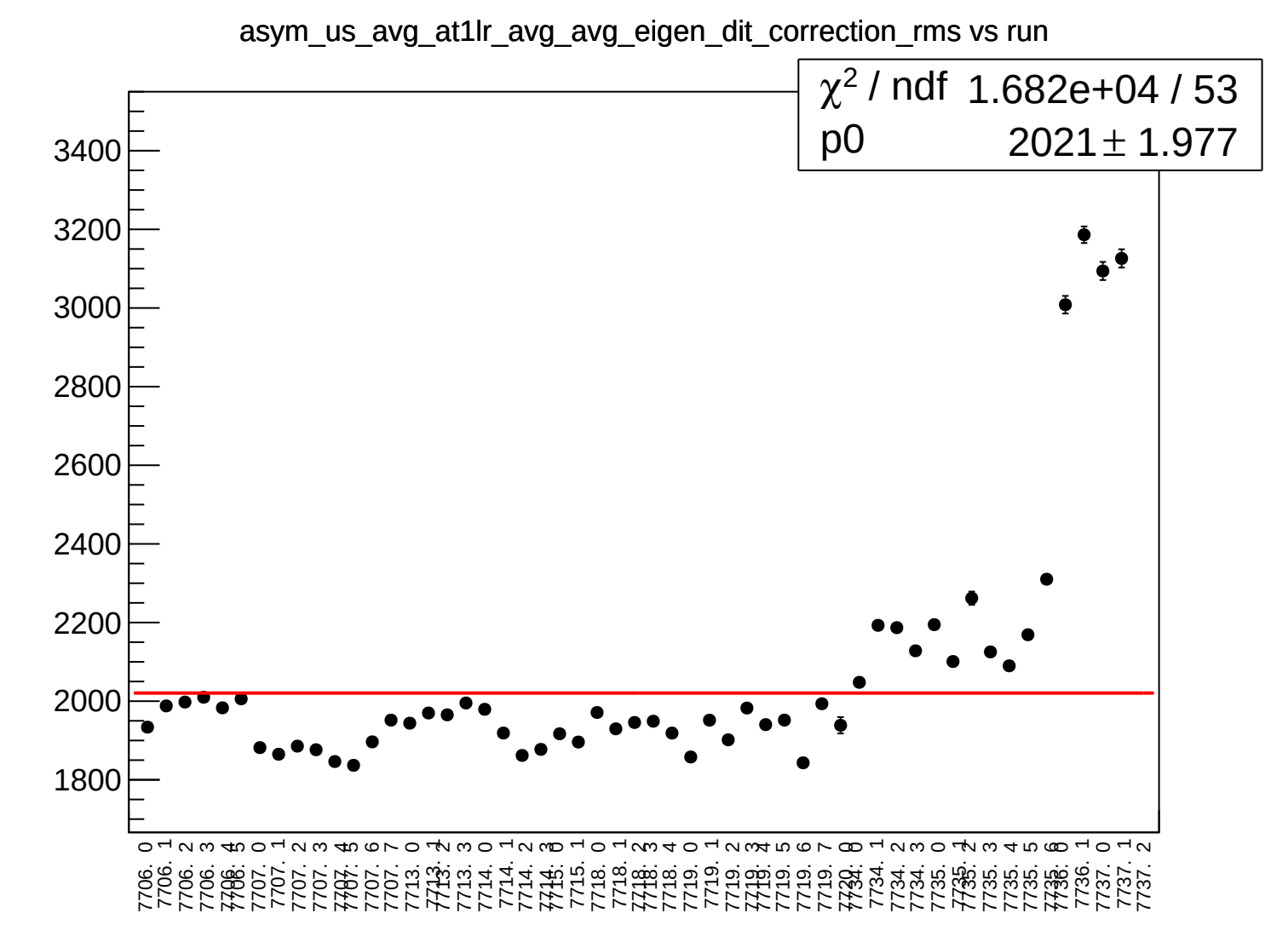

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.682e+04 / 53
p0 2021 ± 1.977
3400
3200
3000
2800
2600
2400
2200
2000
1800

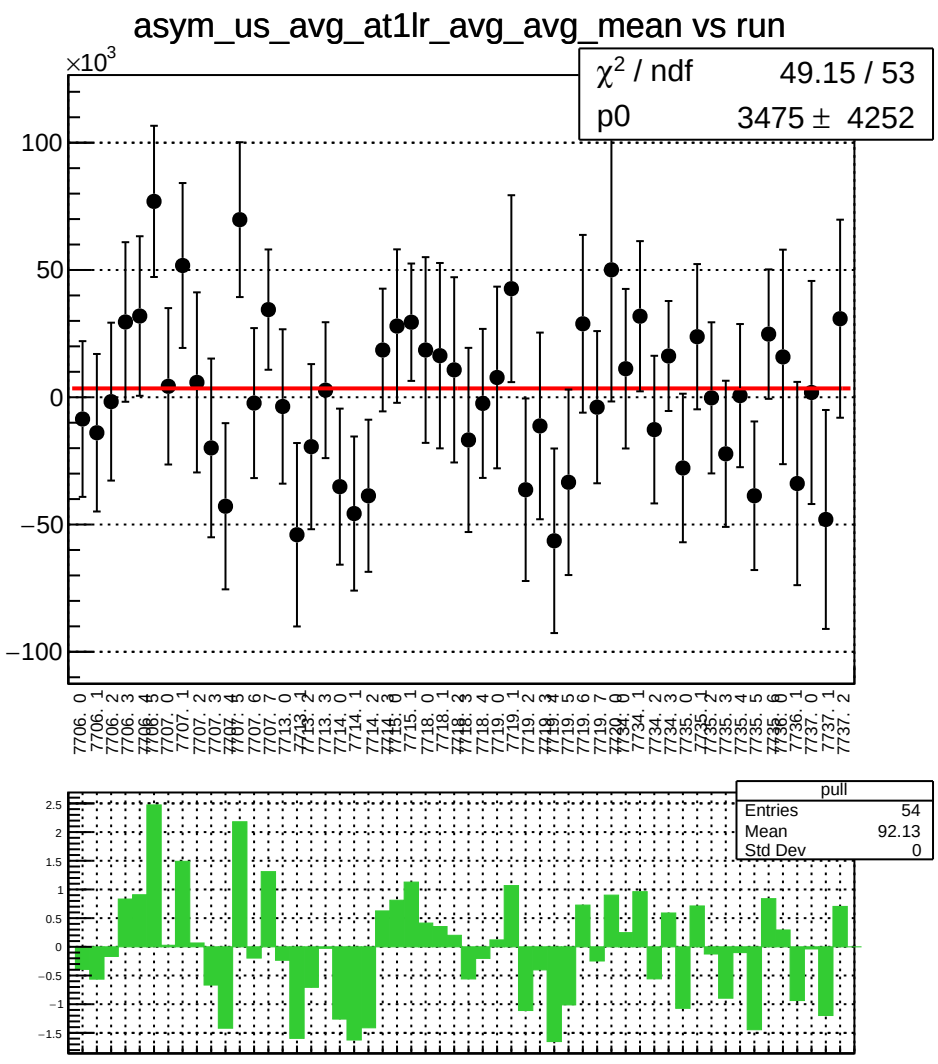

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 48.85 / 53
p0 2573 ± 3062
×10³
pull
Entries 54
Mean 12.49
Std Dev 0

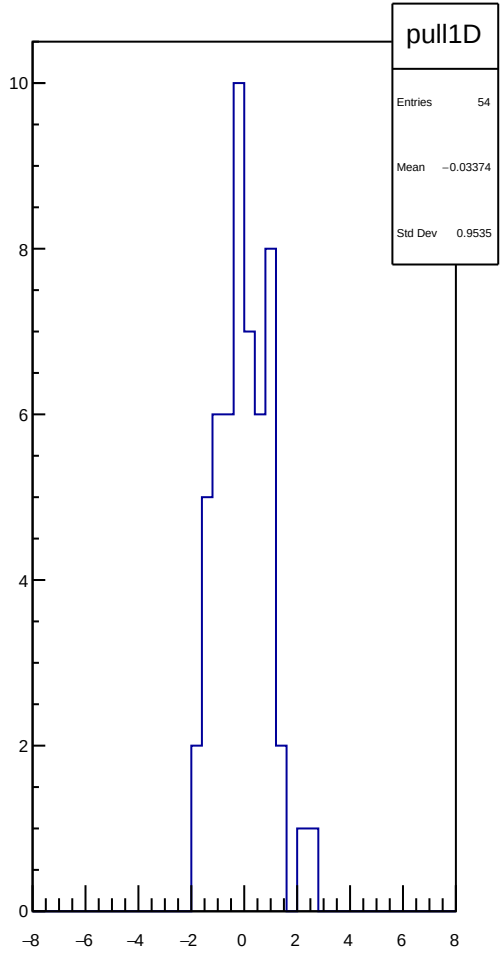

pull1D
Entries 54
Mean 0.002362
Std Dev 0.9511

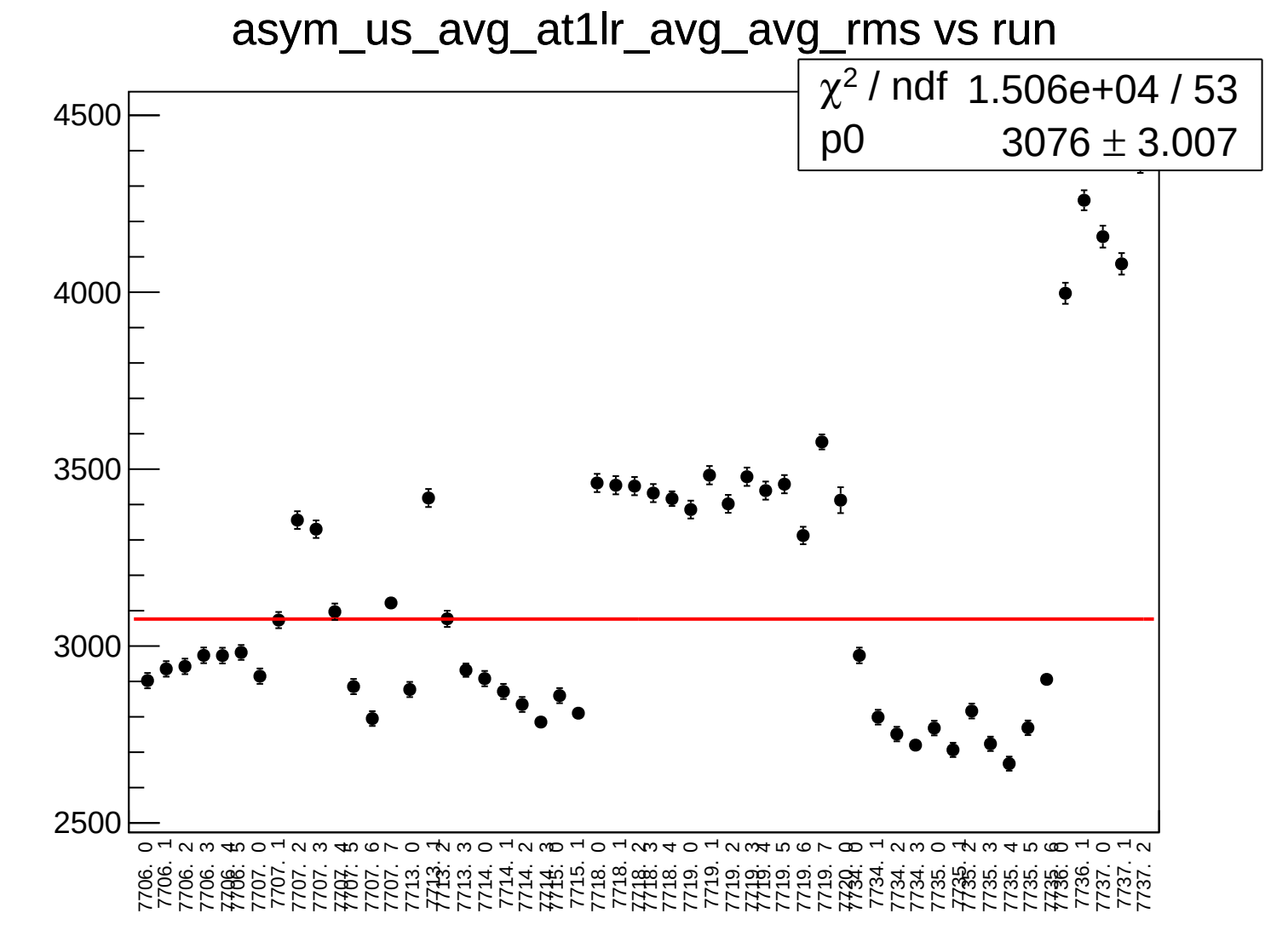

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1051 / 53
p0 2230 ± 2.165
2600
2500
2400
2300
2200
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

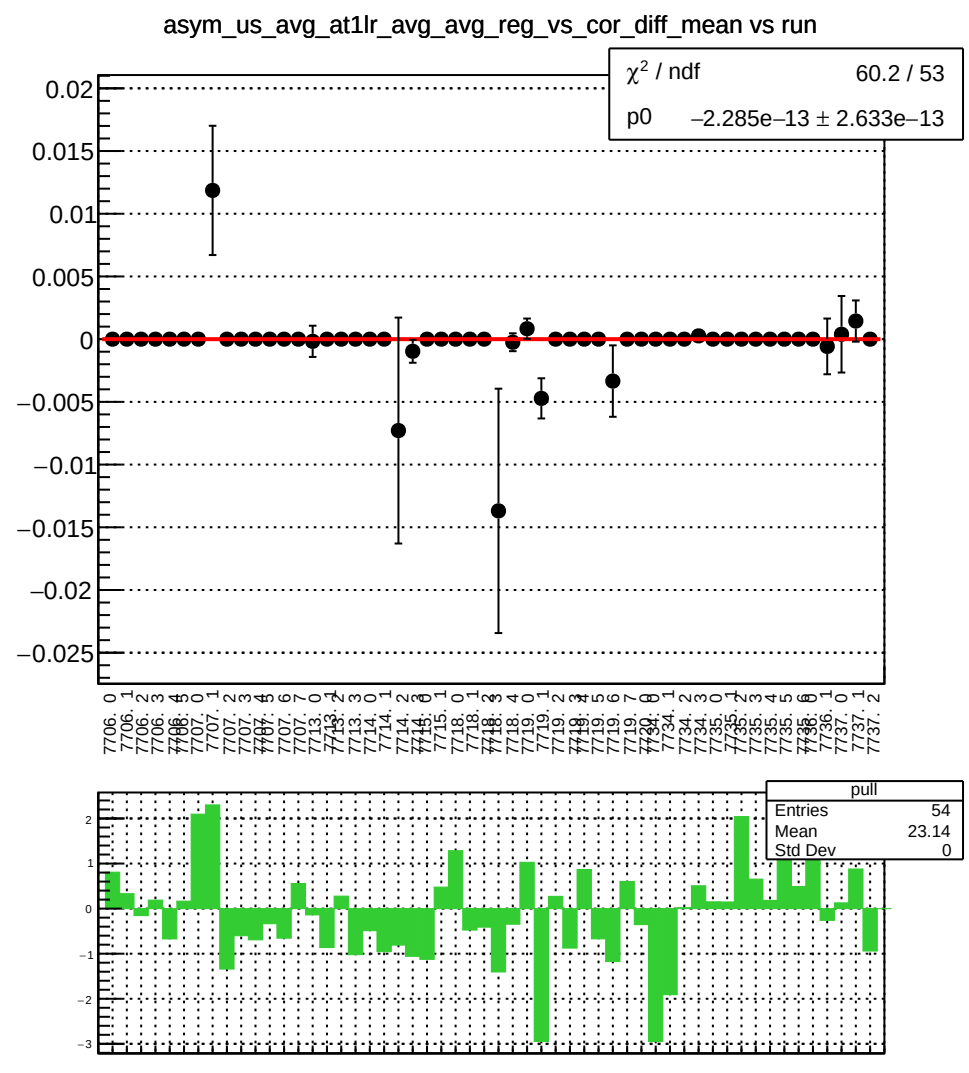

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.03 / 53
p0 36.55 ± 2795
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 144.1
Std Dev 0
pull1D
Entries 54
Mean 0.03149
Std Dev 1.036

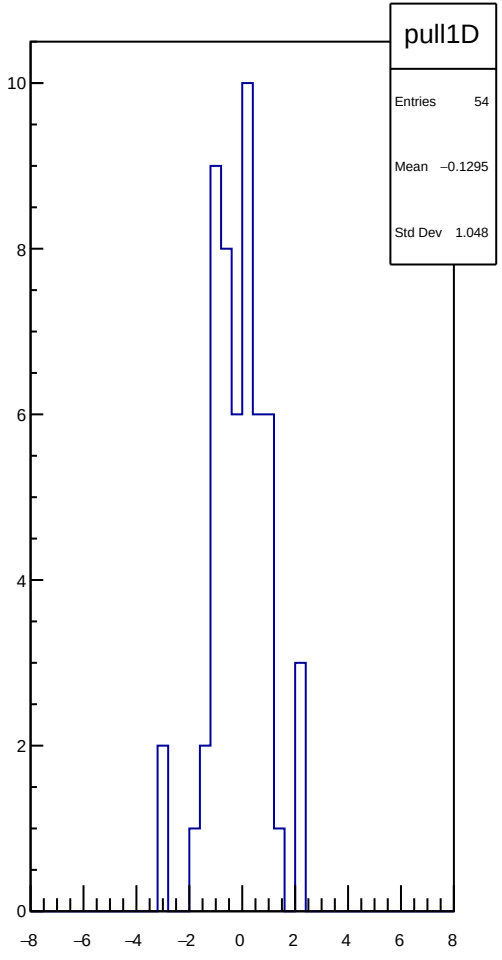

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.682e+04 / 53
p0 2021 ± 1.977
3400
3200
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

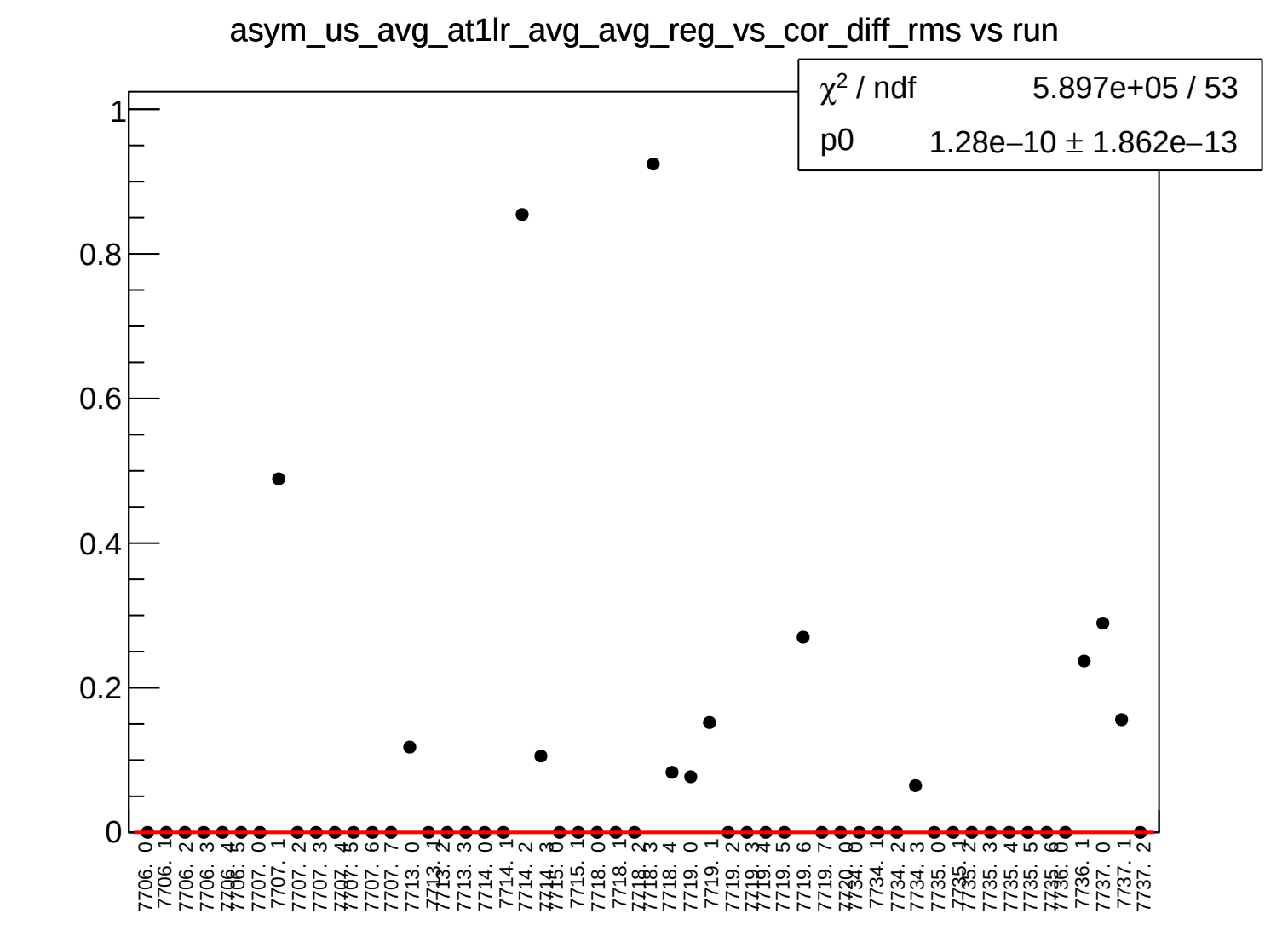

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 49.15 / 53
p0 3475 ± 4252
100
50
0
−50
−100
pull
Entries 54
Mean 92.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

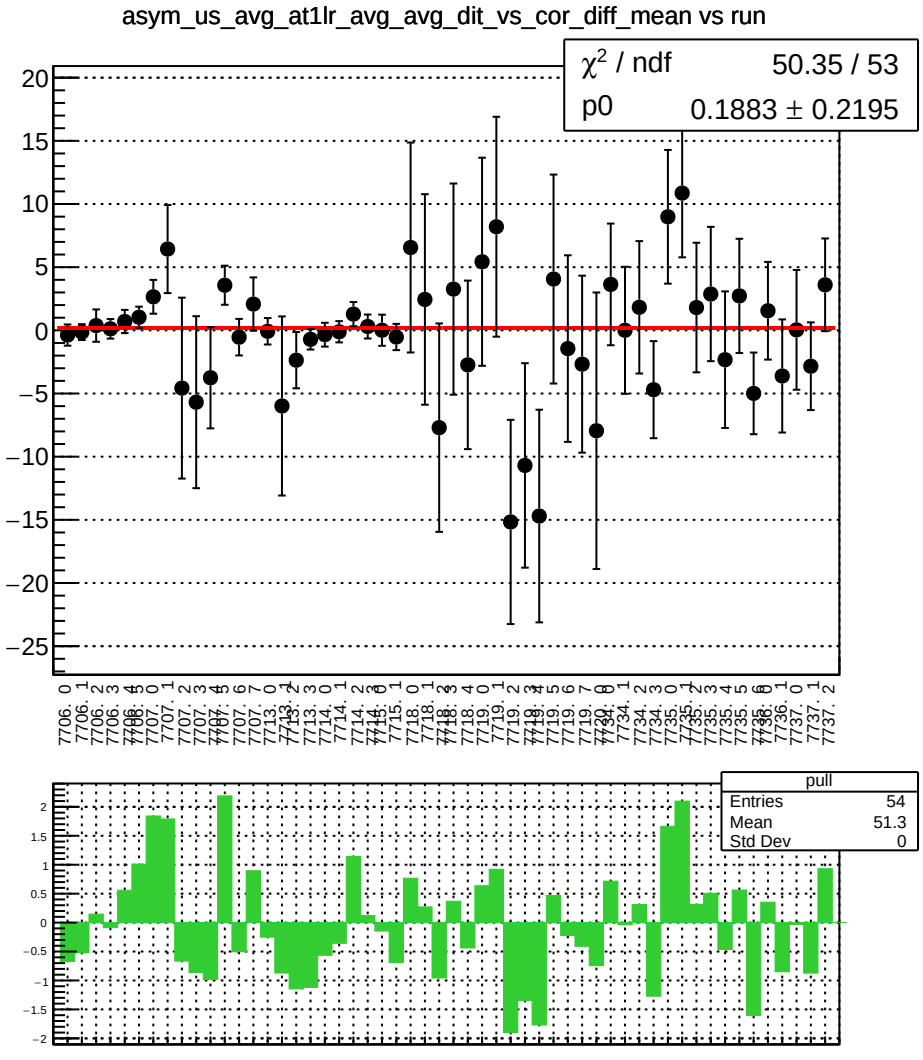

pull1D
Entries 54
Mean −0.03374
Std Dev 0.9535
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

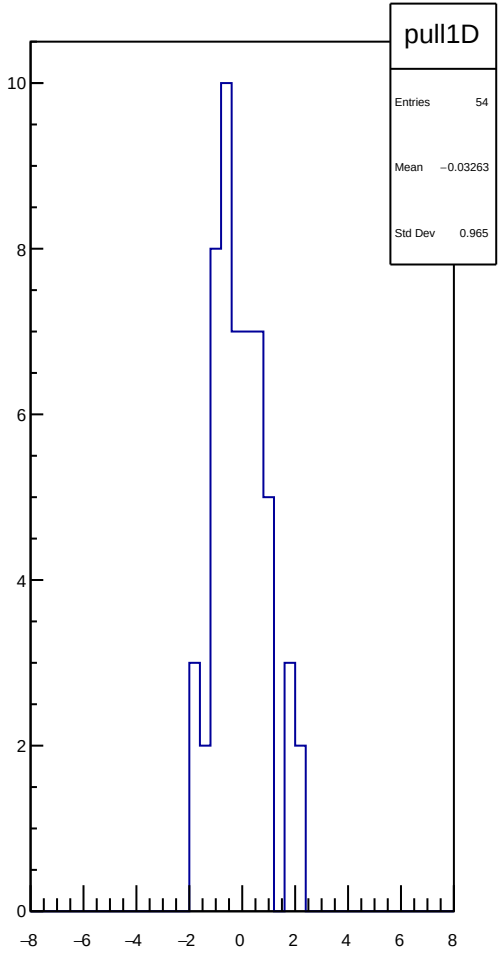

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1.506e+04 / 53
p0 3076 ± 3.007
4500
4000
3500
3000
2500

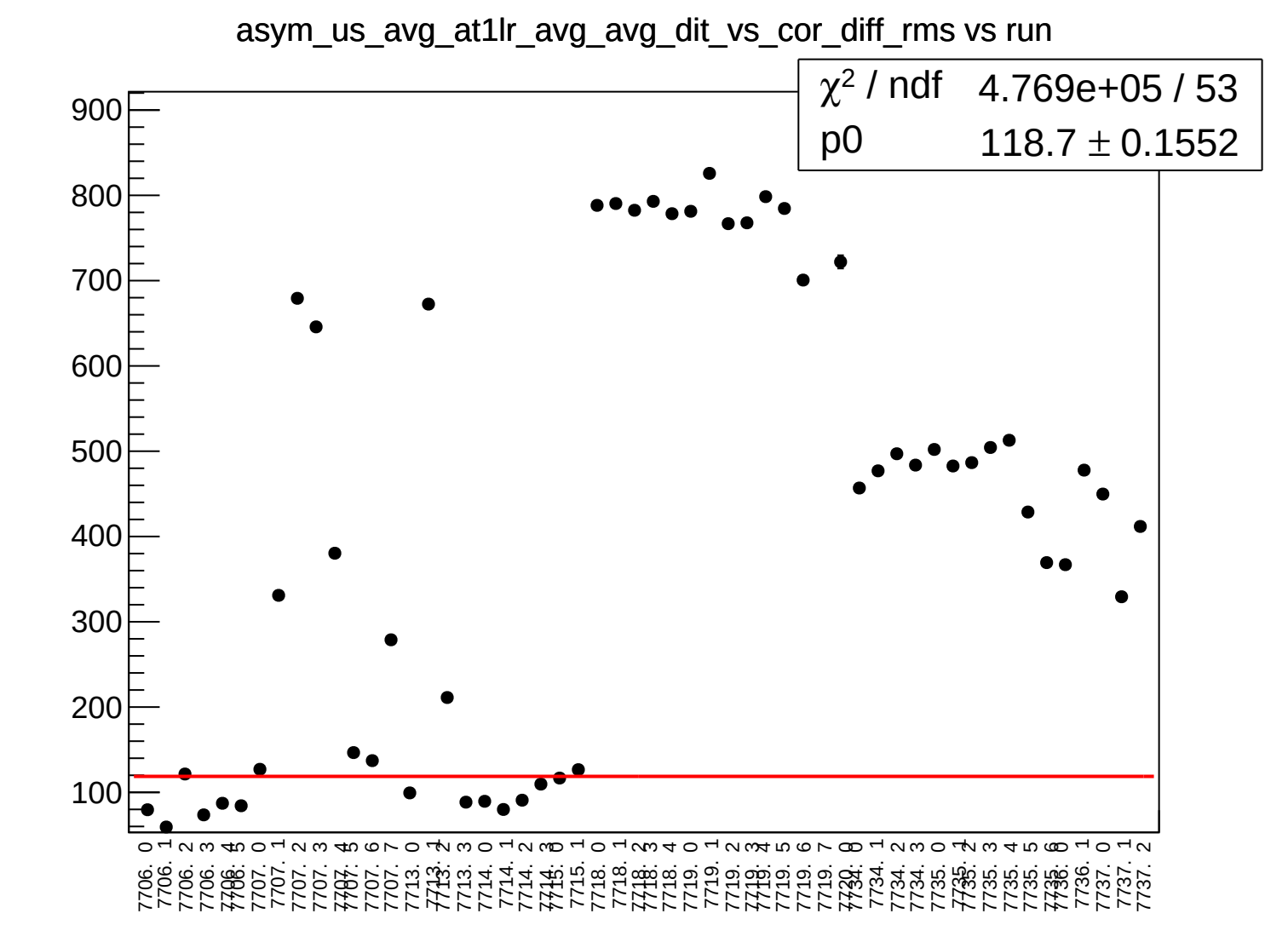

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.2 / 53
p0 −2.285e−13 ± 2.633e−13
pull
Entries 54
Mean 23.14
Std Dev 0

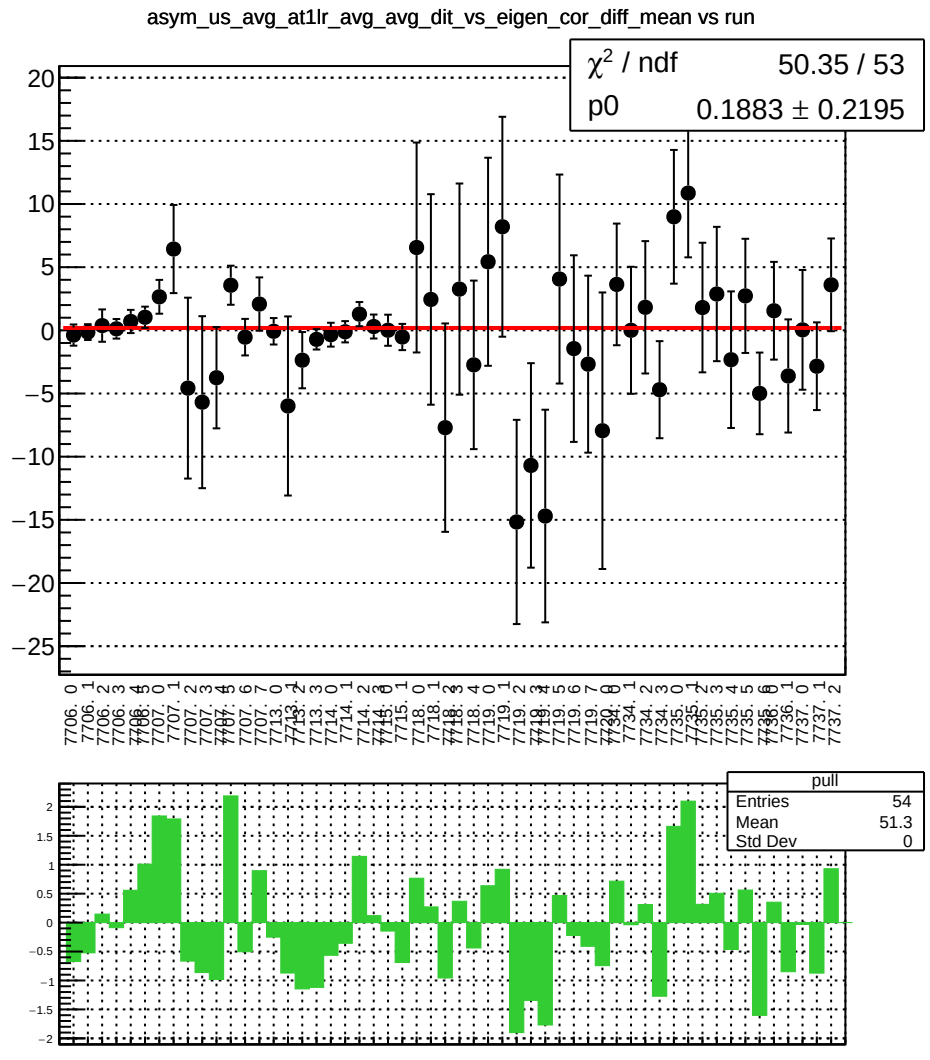

pull1D
Entries 54
Mean −0.1295
Std Dev 1.048

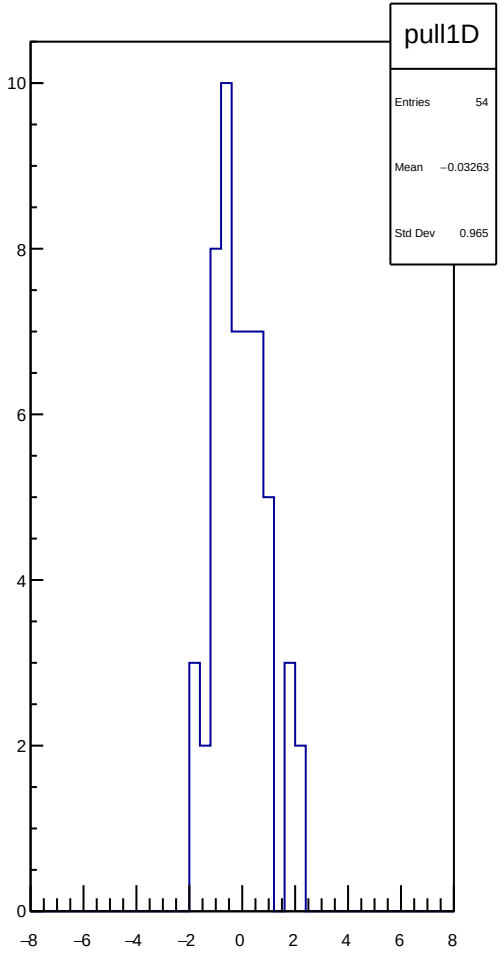

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.897e+05 / 53
p0 1.28e−10 ± 1.862e−13
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

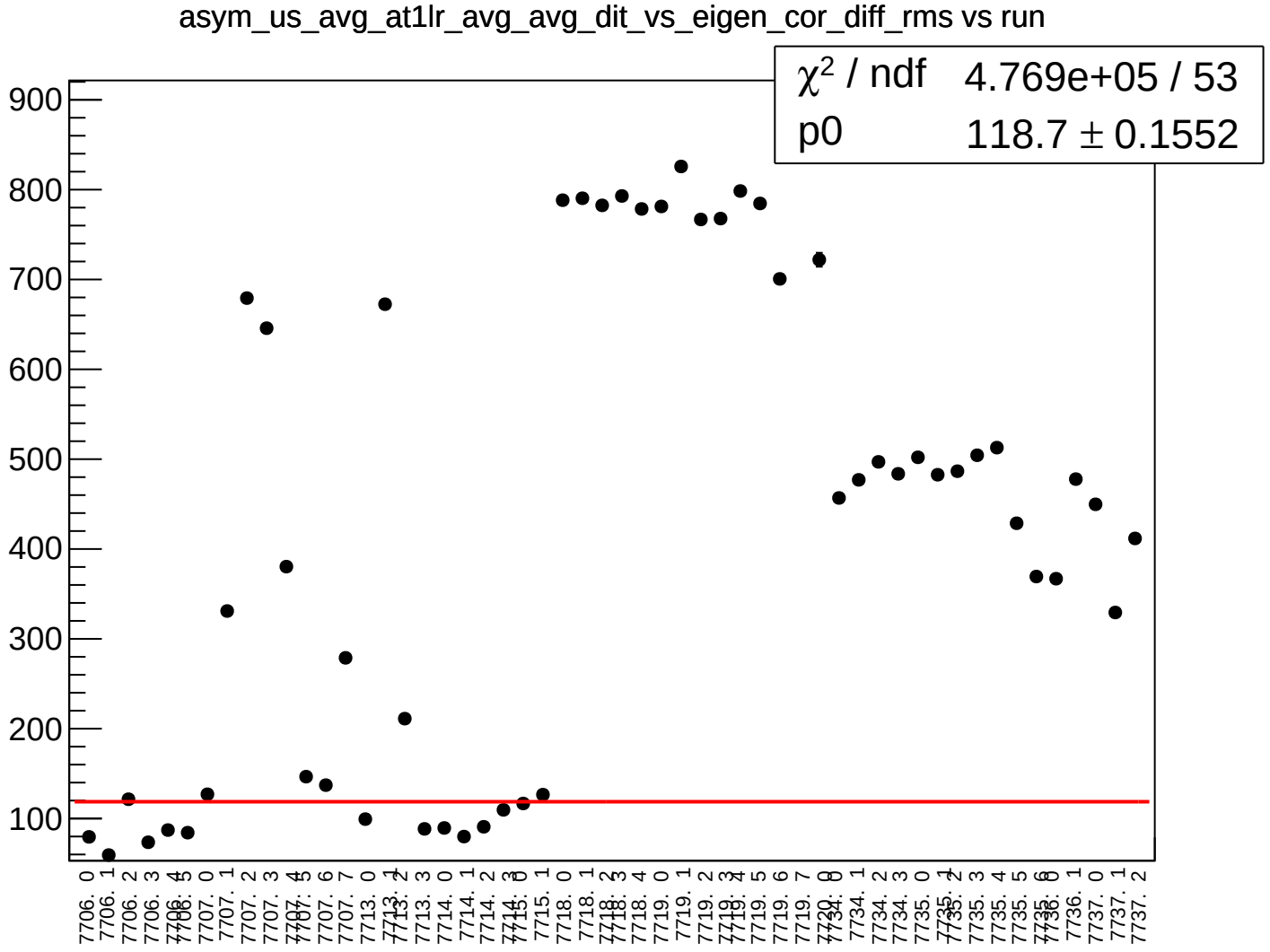

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1883 ± 0.2195
pull
Entries 54
Mean 51.3
Std Dev 0

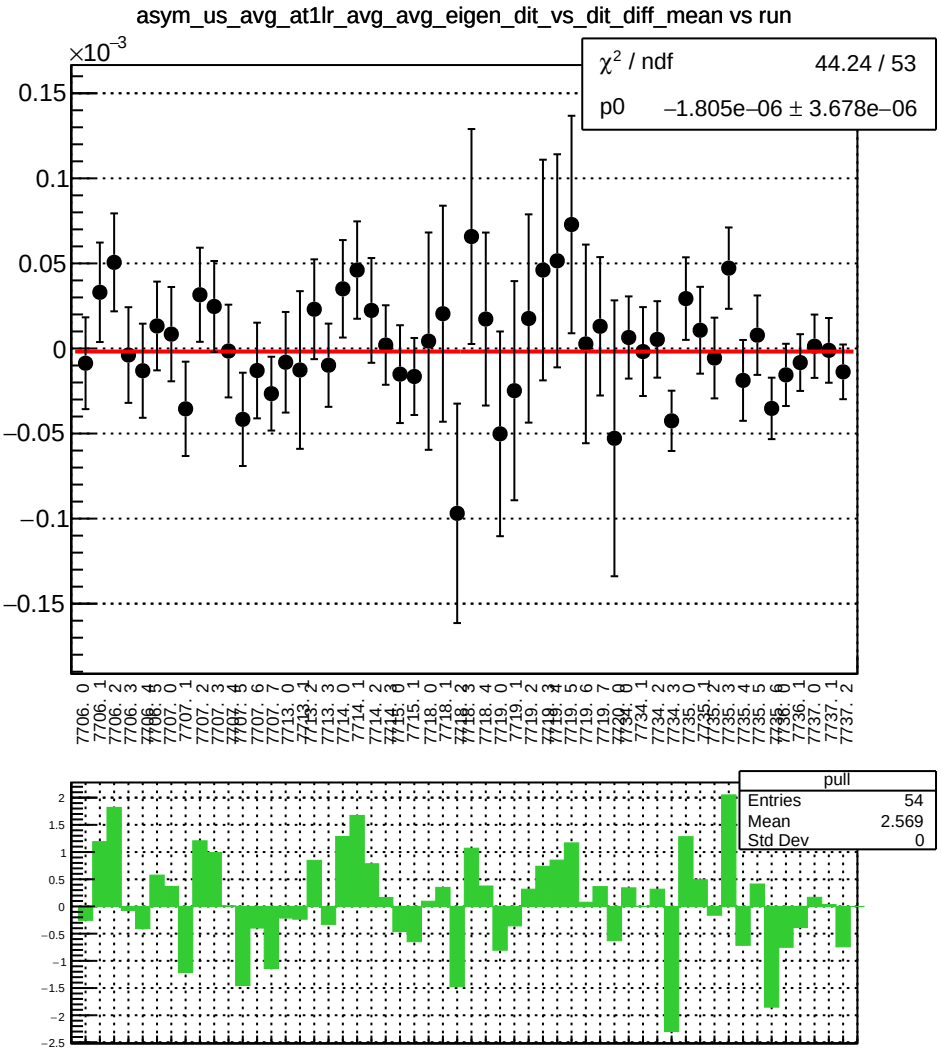

pull1D
Entries 54
Mean −0.03263
Std Dev 0.965

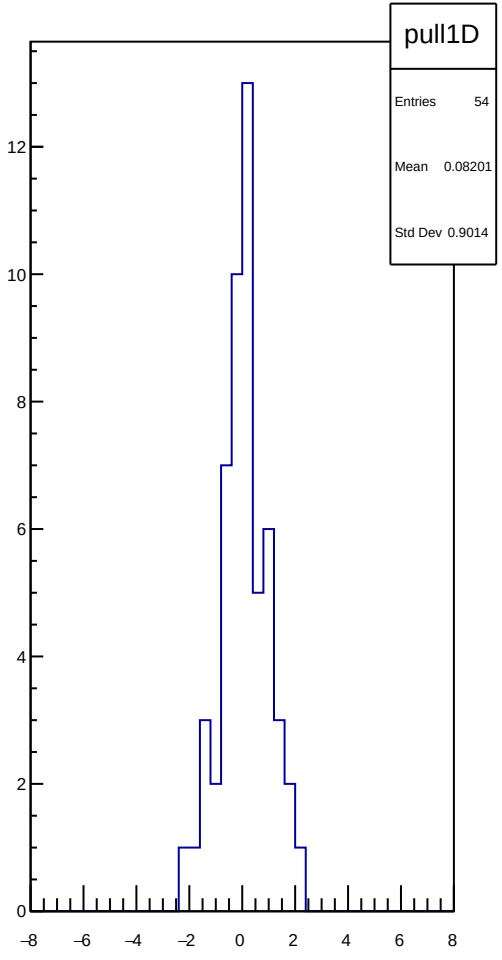

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.769e+05 / 53
p0 118.7 ± 0.1552
900
800
700
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

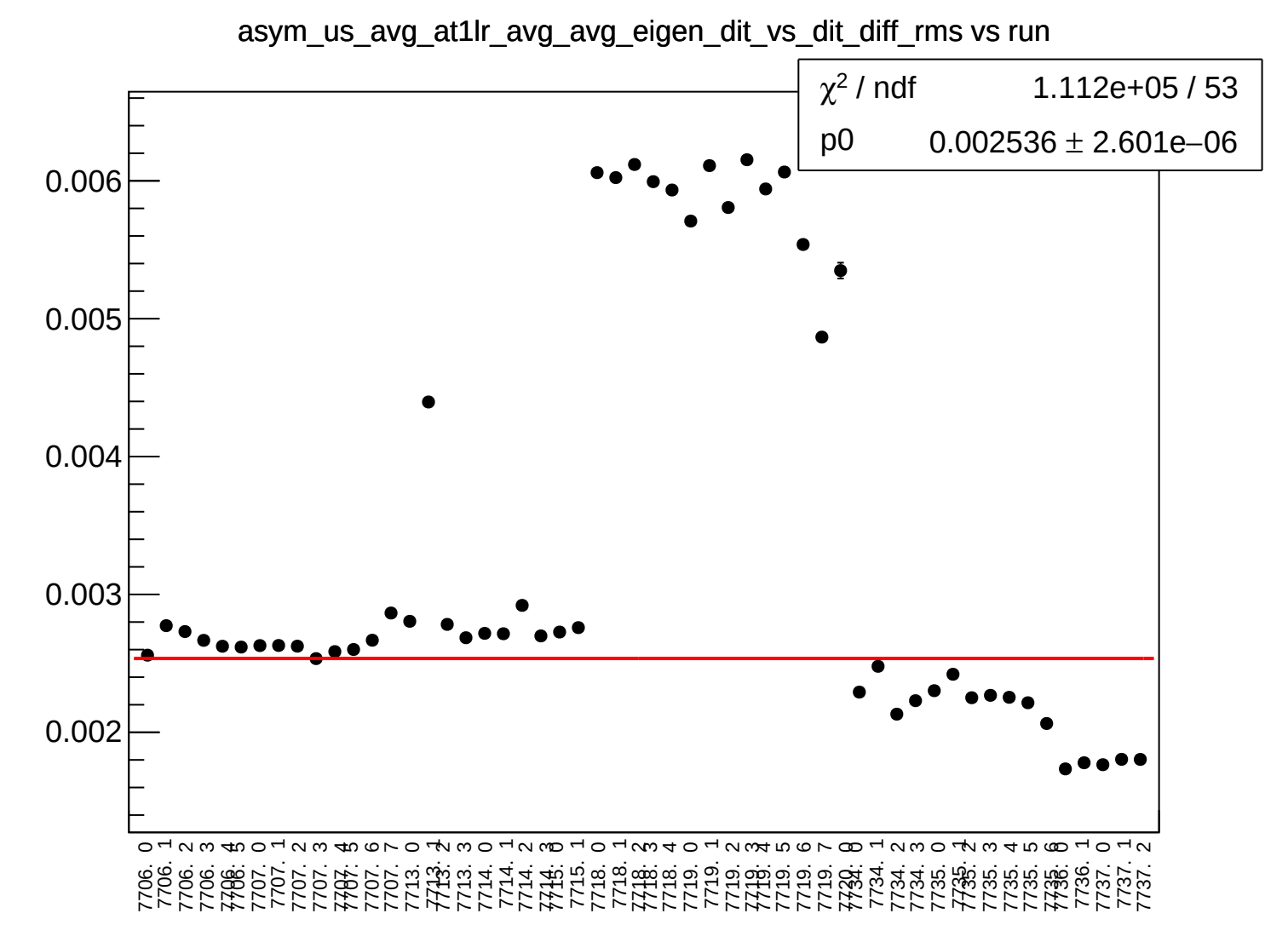

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1883 ± 0.2195
pull
Entries 54
Mean 51.3
Std Dev 0

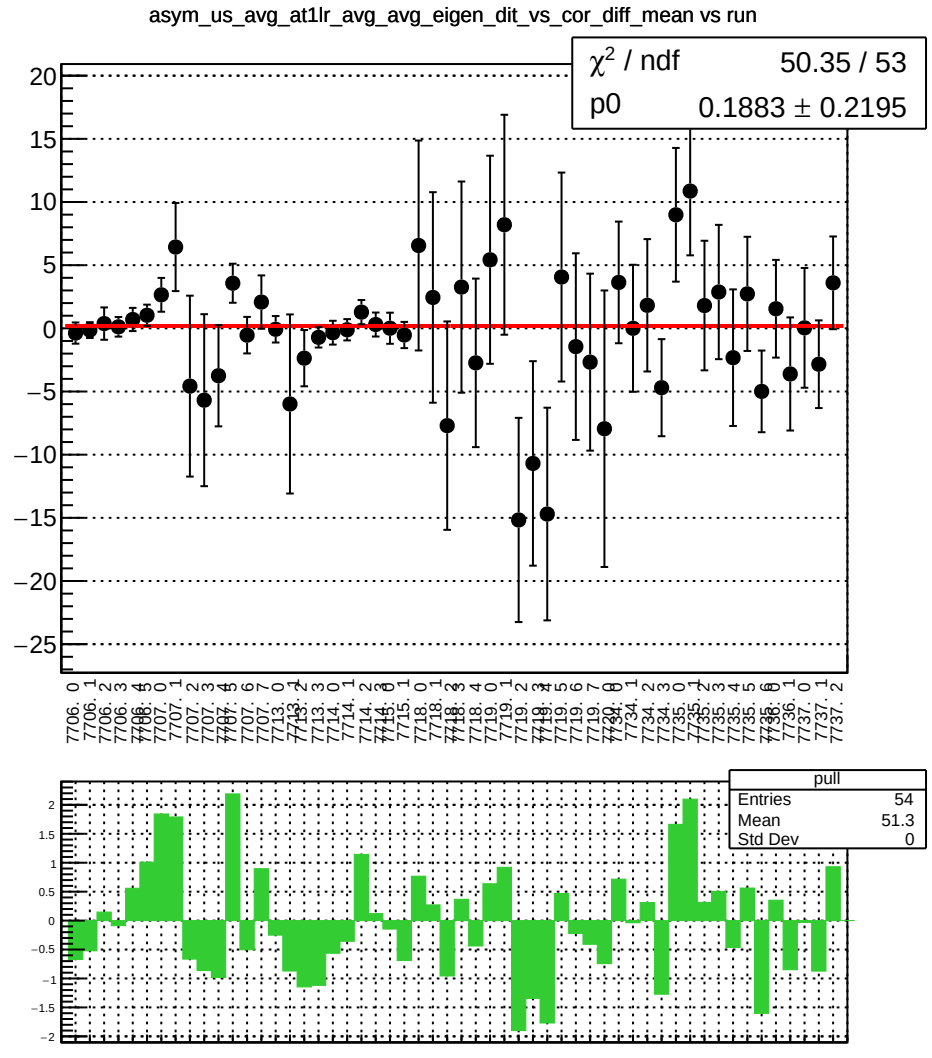

pull1D
Entries 54
Mean −0.03263
Std Dev 0.965

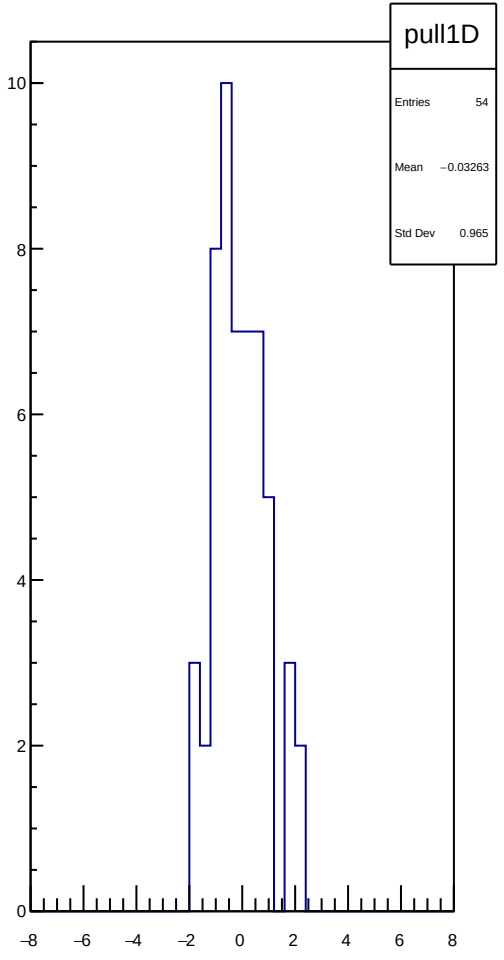

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.769e+05 / 53
p0 118.7 ± 0.1552
900
800
700
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

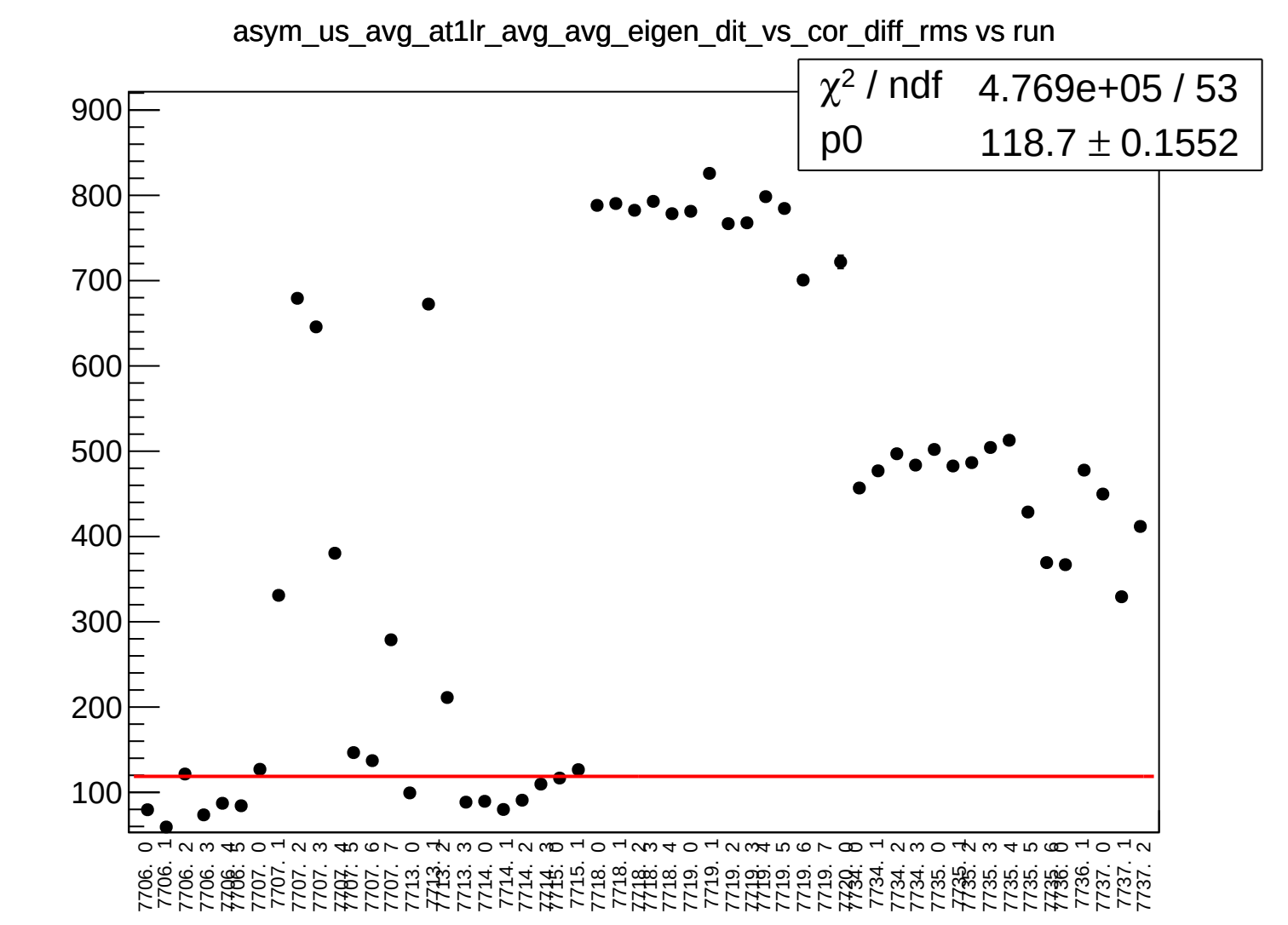

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.24 / 53
p0 −1.805e−06 ± 3.678e−06
pull
Entries 54
Mean 2.569
Std Dev 0

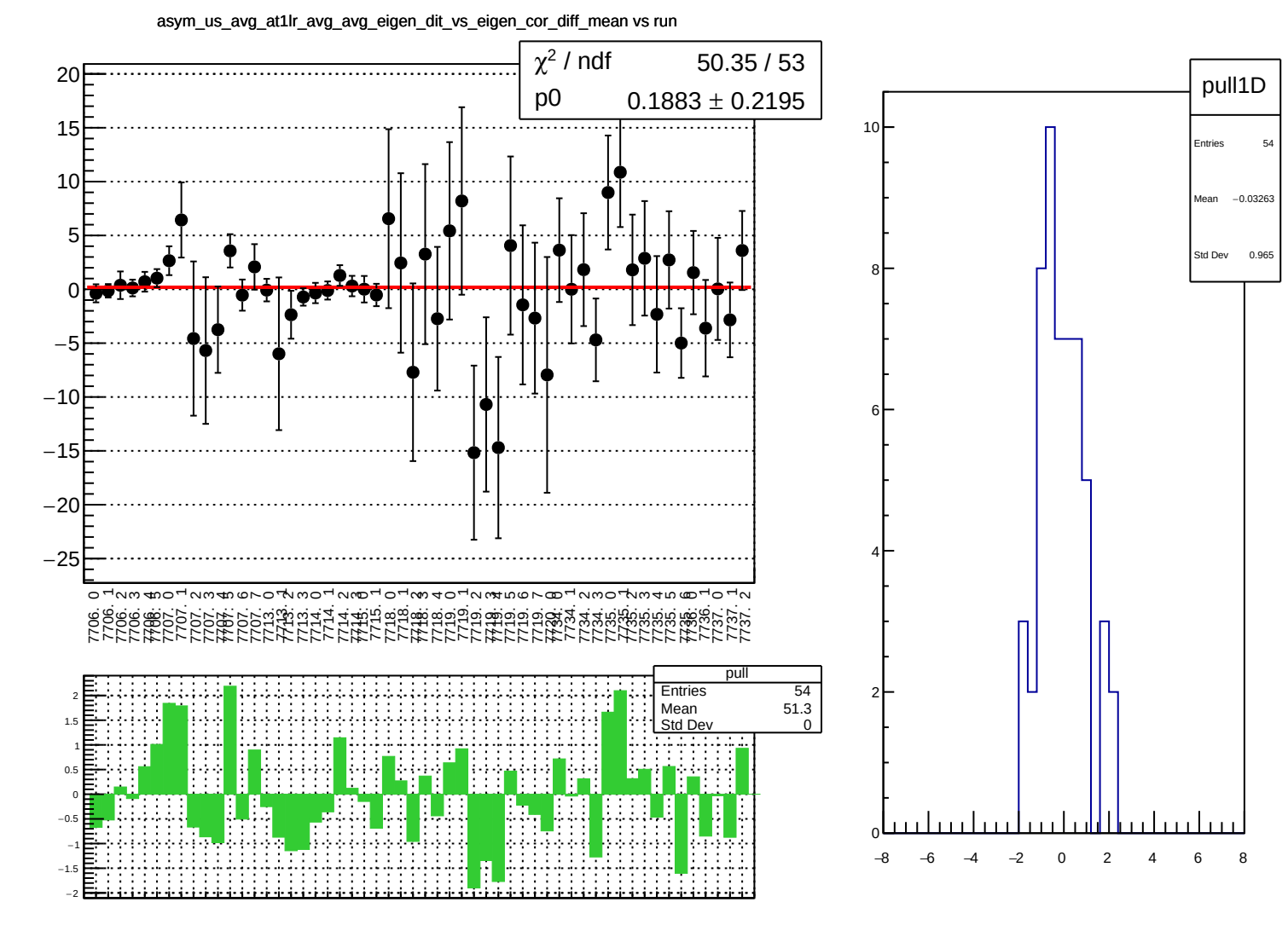

pull1D
Entries 54
Mean 0.08201
Std Dev 0.9014

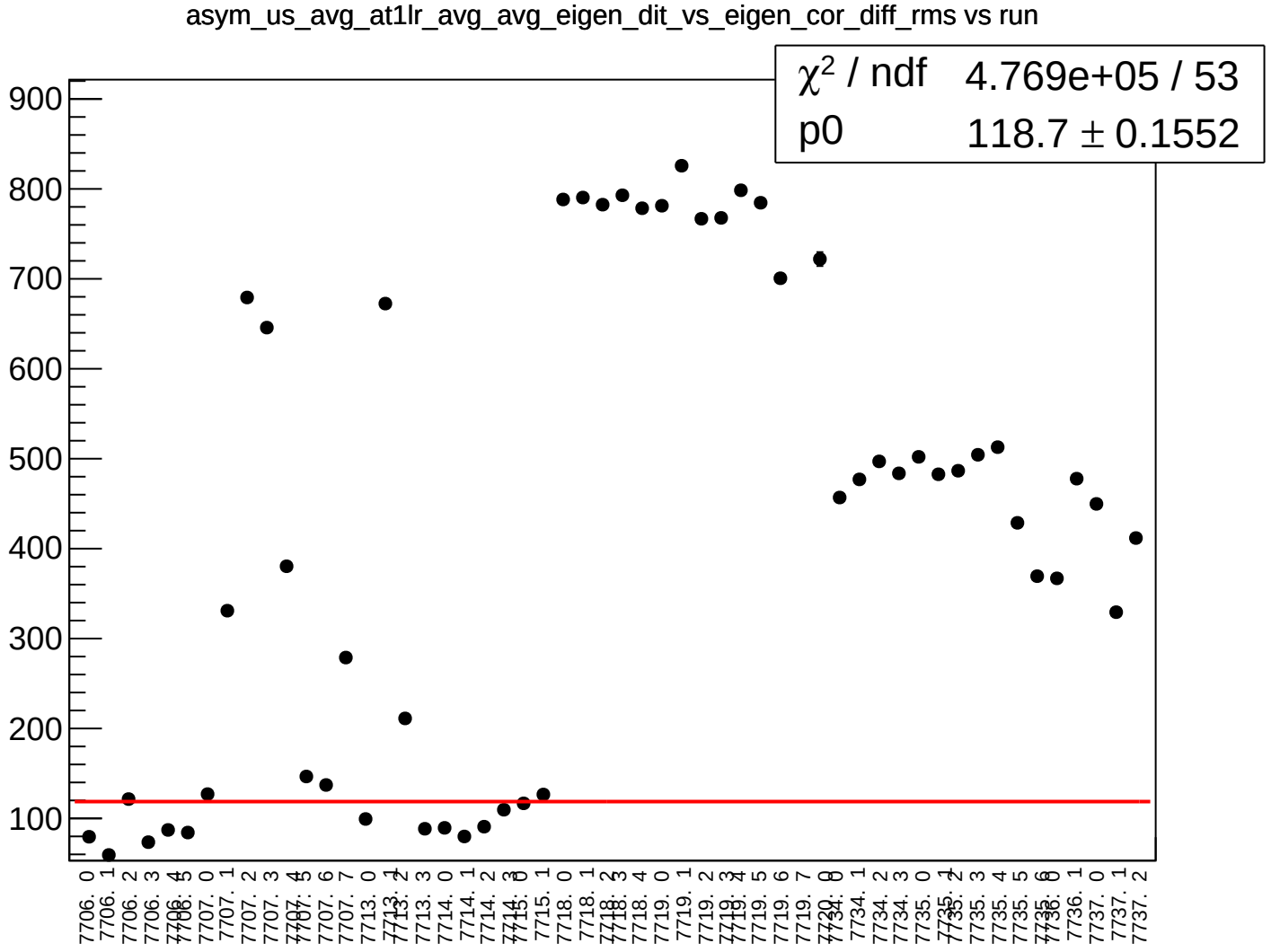

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.112e+05 / 53
p0 0.002536 ± 2.601e−06
0.006
0.005
0.004
0.003
0.002

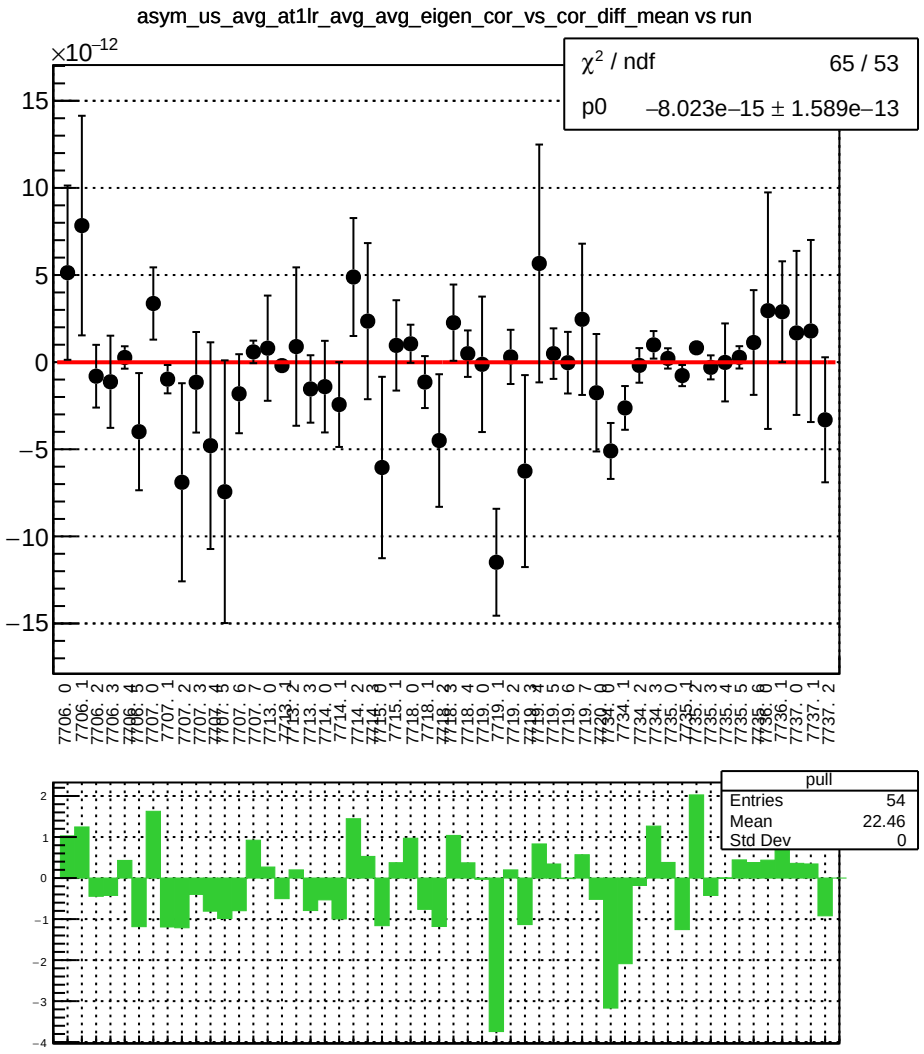

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1883 ± 0.2195
pull
Entries 54
Mean 51.3
Std Dev 0

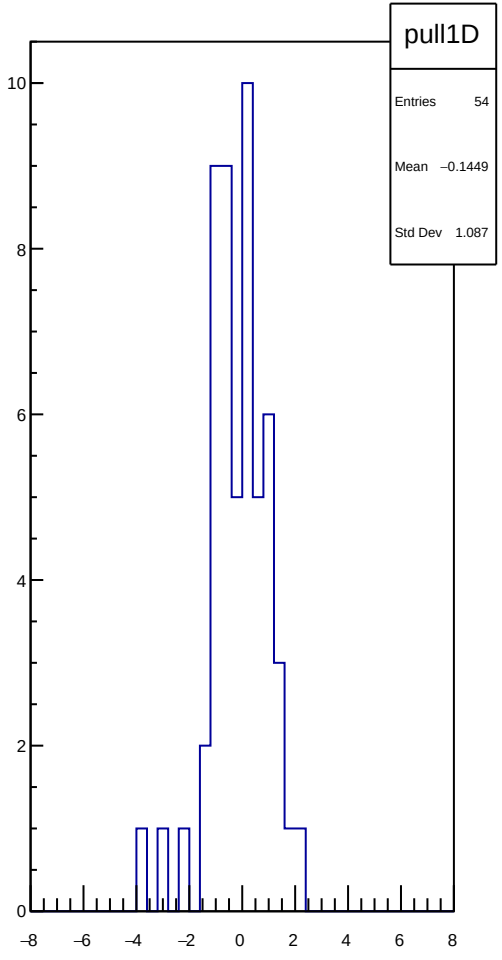

pull1D
Entries 54
Mean −0.03263
Std Dev 0.965

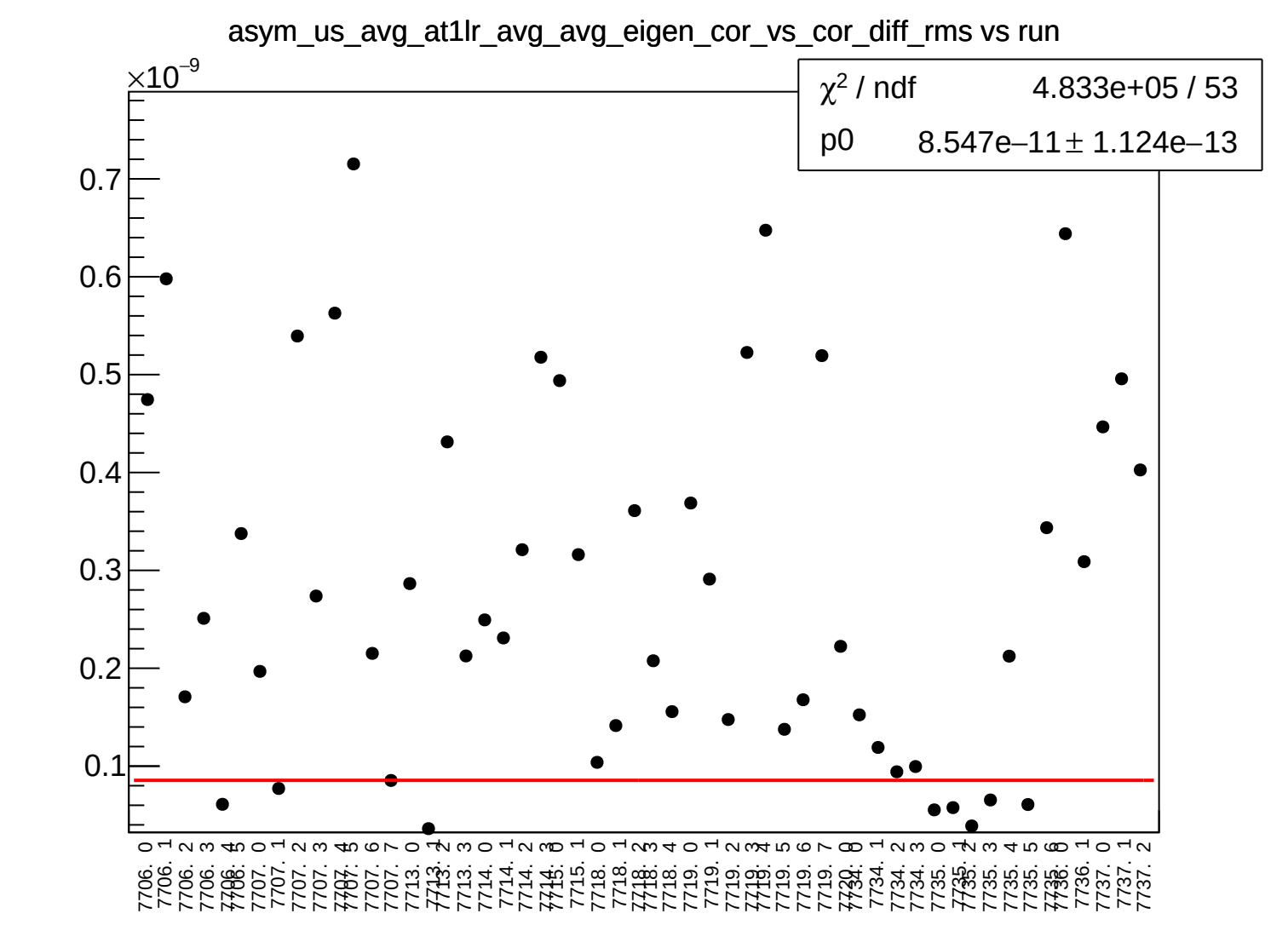

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.769e+05 / 53
p0 118.7 ± 0.1552
900
800
700
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

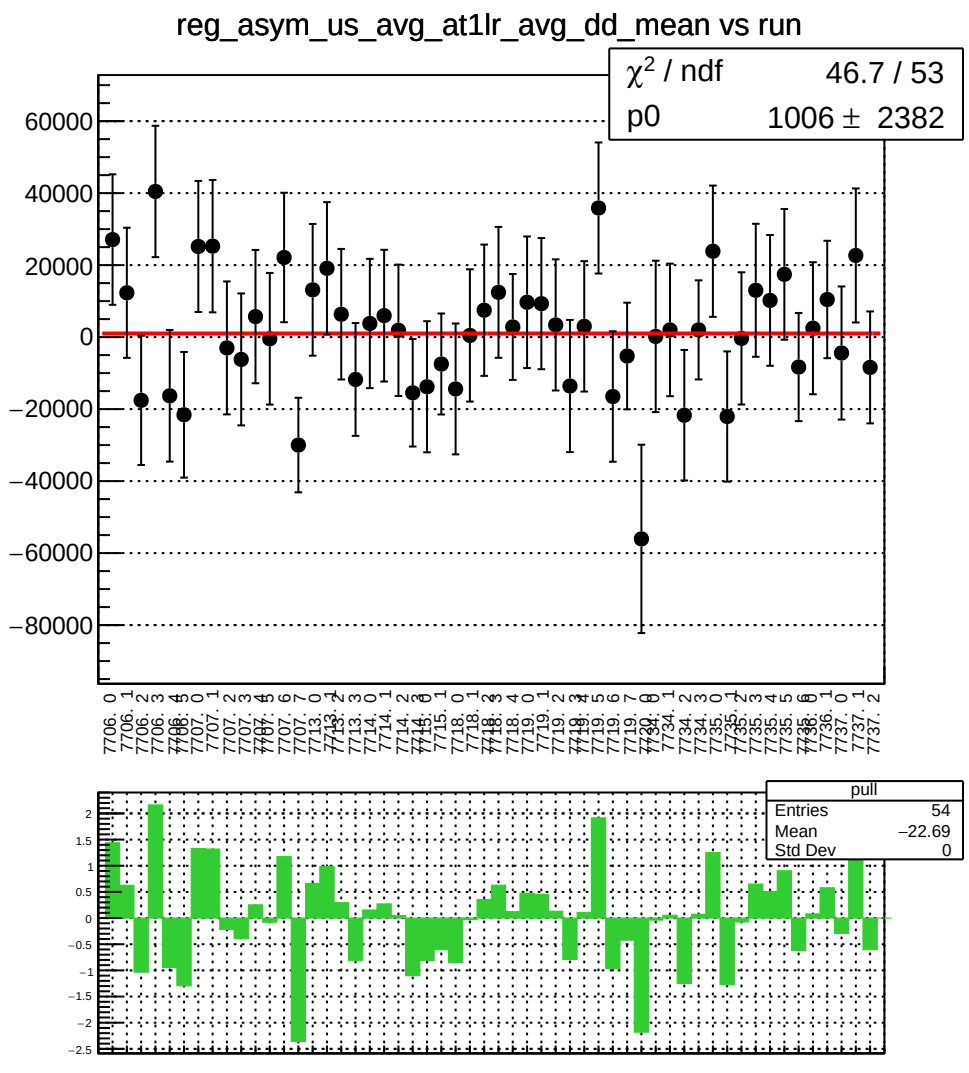

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1883 ± 0.2195
pull
Entries 54
Mean 51.3
Std Dev 0
pull1D
Entries 54
Mean −0.03263
Std Dev 0.965

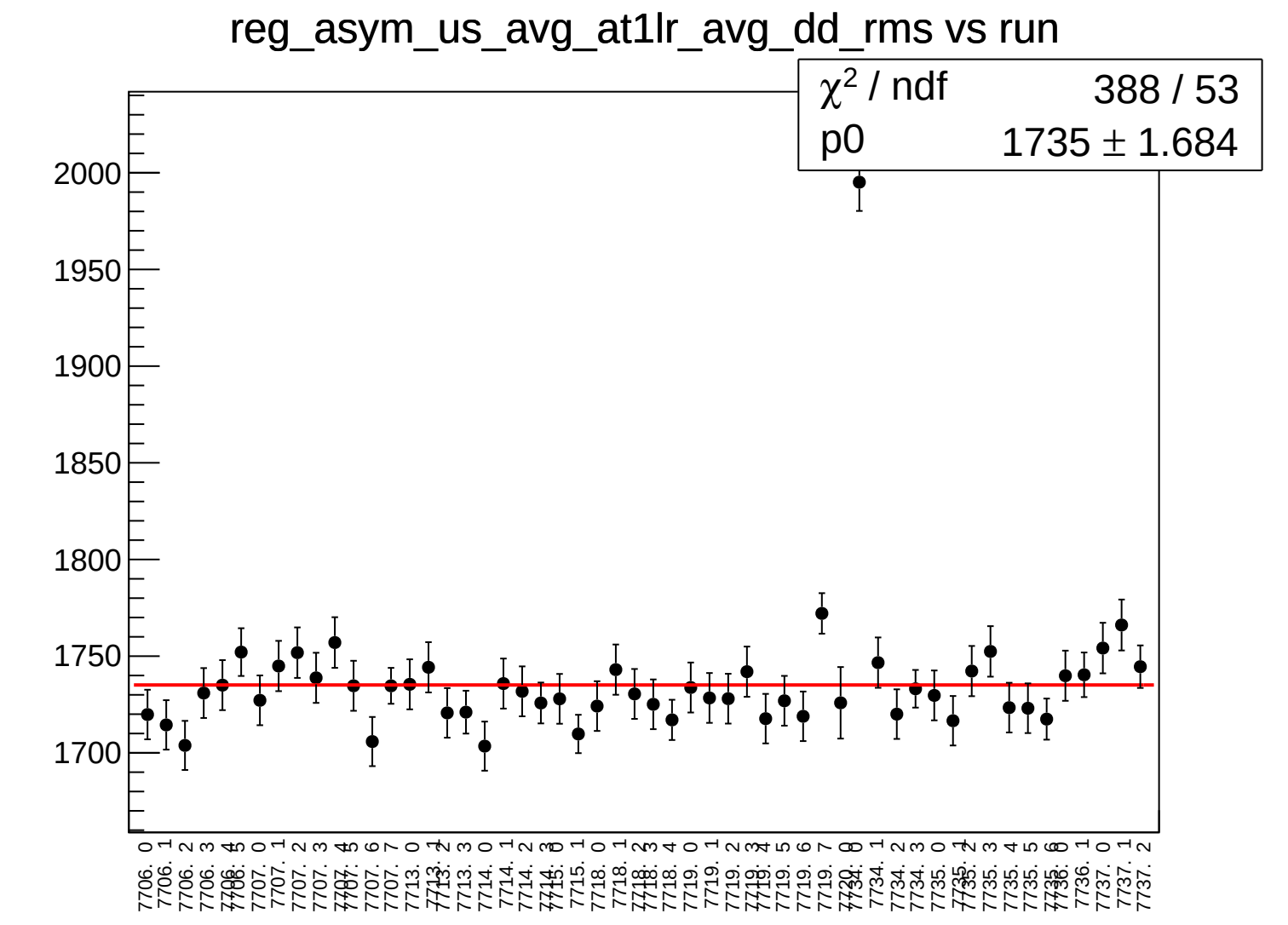

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.769e+05 / 53
p0 118.7 ± 0.1552
900
800
700
600
500
400
300
200
100

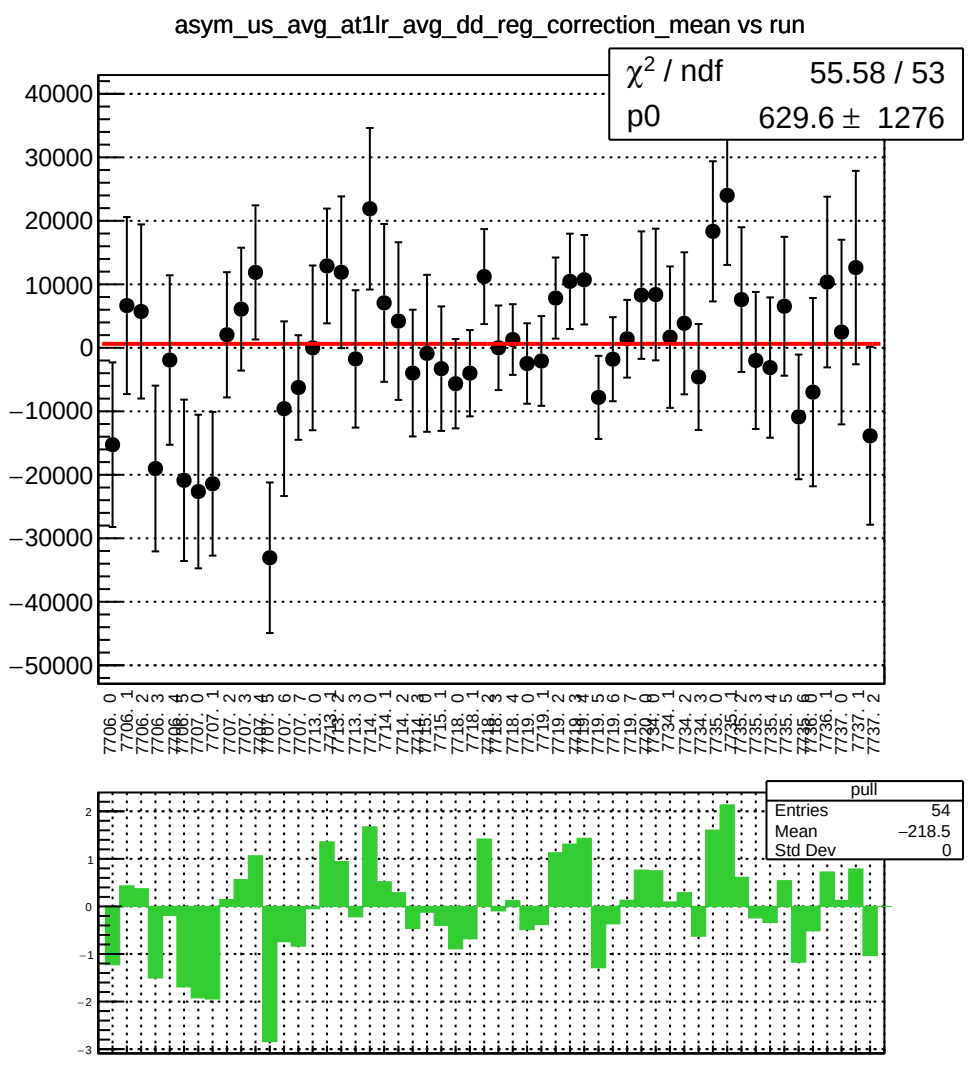

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65 / 53
p0 −8.023e−15 ± 1.589e−13
pull
Entries 54
Mean 22.46
Std Dev 0

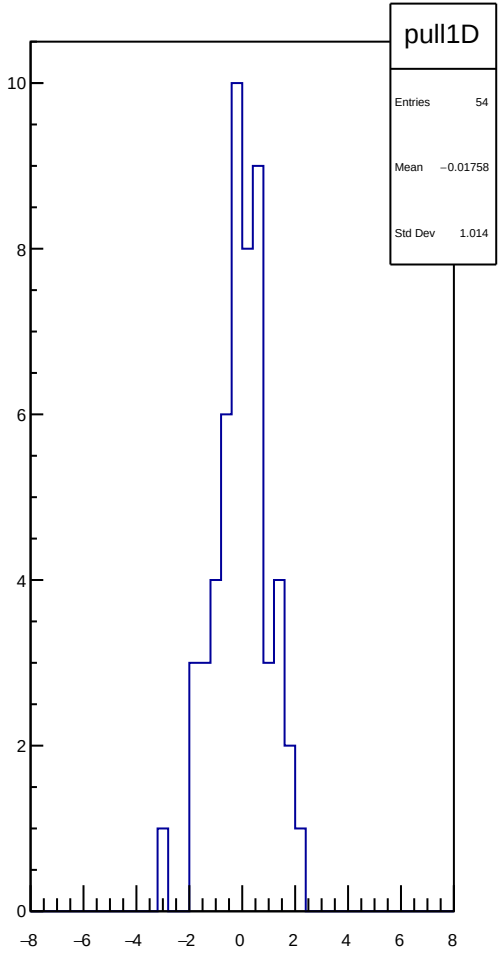

pull1D
Entries 54
Mean −0.1449
Std Dev 1.087

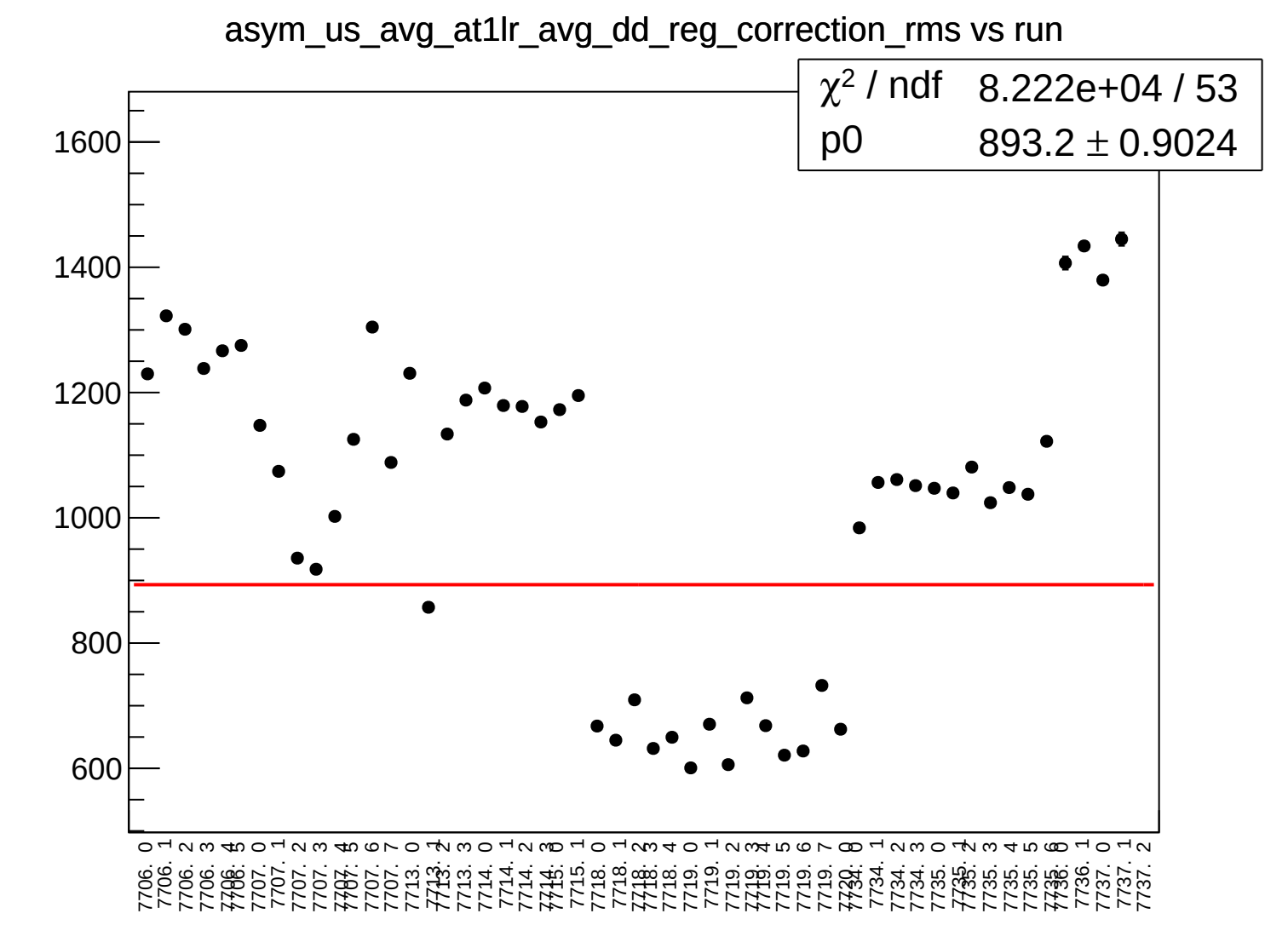

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.833e+05 / 53
p0 8.547e−11 ± 1.124e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

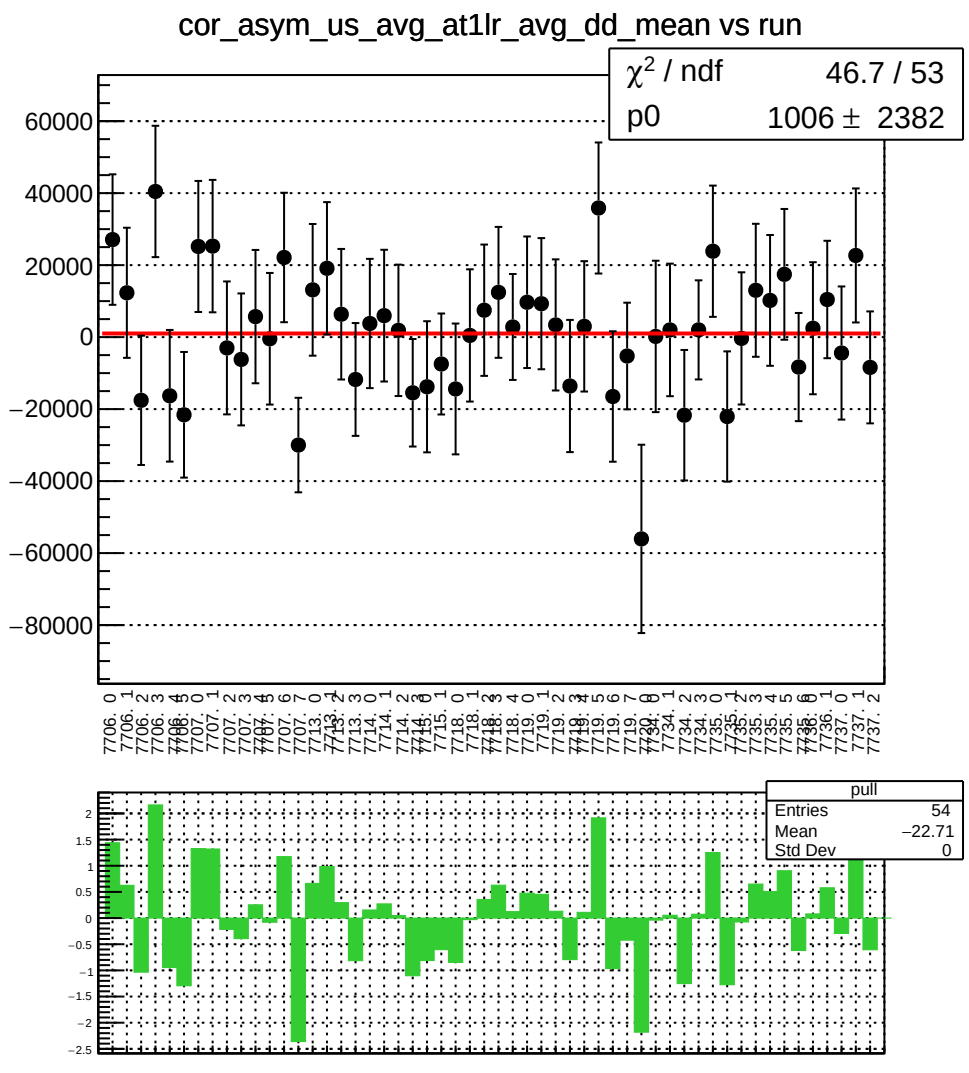

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 46.7 / 53
p0 1006 ± 2382
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −22.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.02072
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

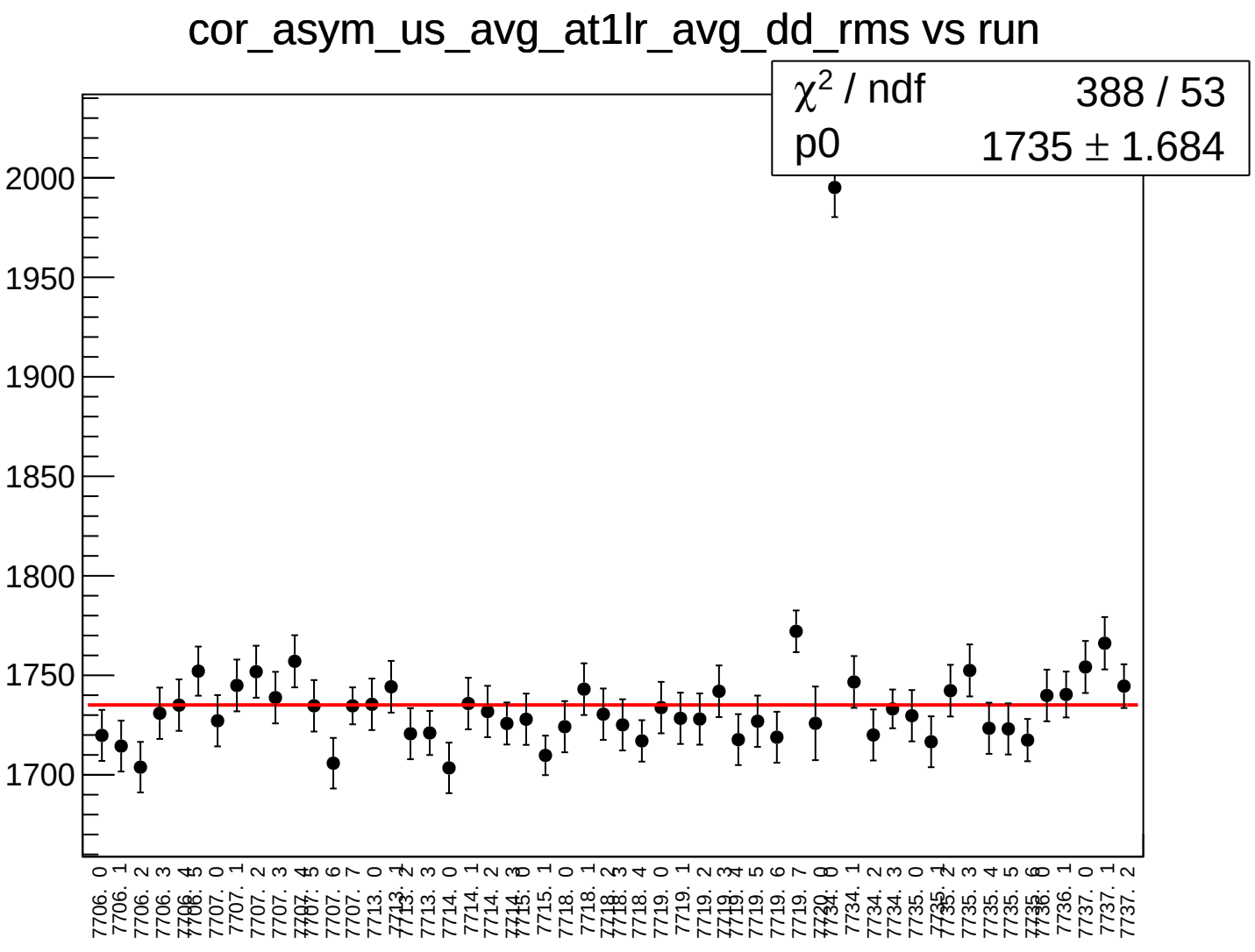

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 388 / 53
p0 1735 ± 1.684
2000
1950
1900
1850
1800
1750
1700

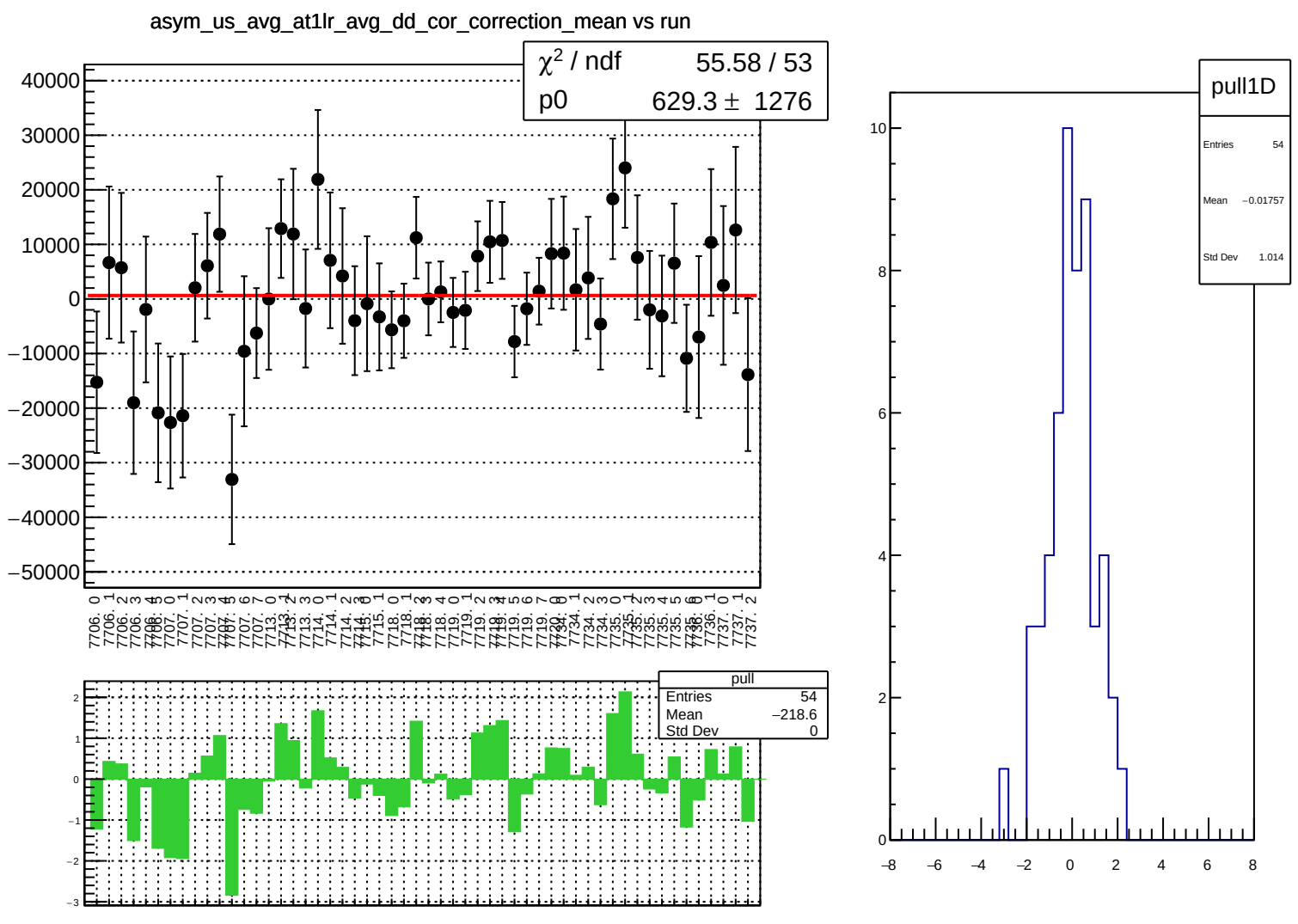

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 55.58 / 53
p0 629.6 ± 1276
pull
Entries 54
Mean −218.5
Std Dev 0

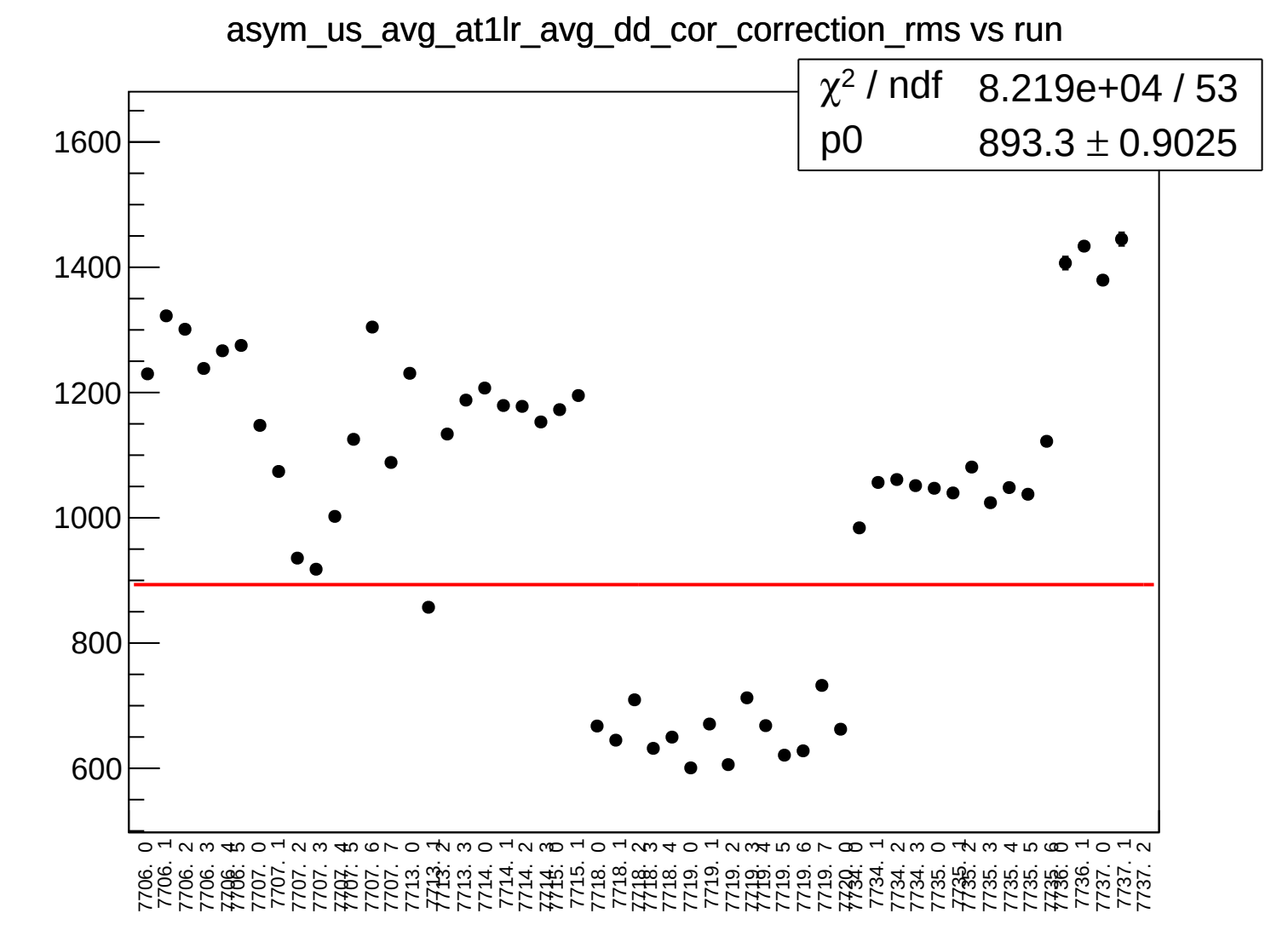

pull1D
Entries 54
Mean −0.01758
Std Dev 1.014

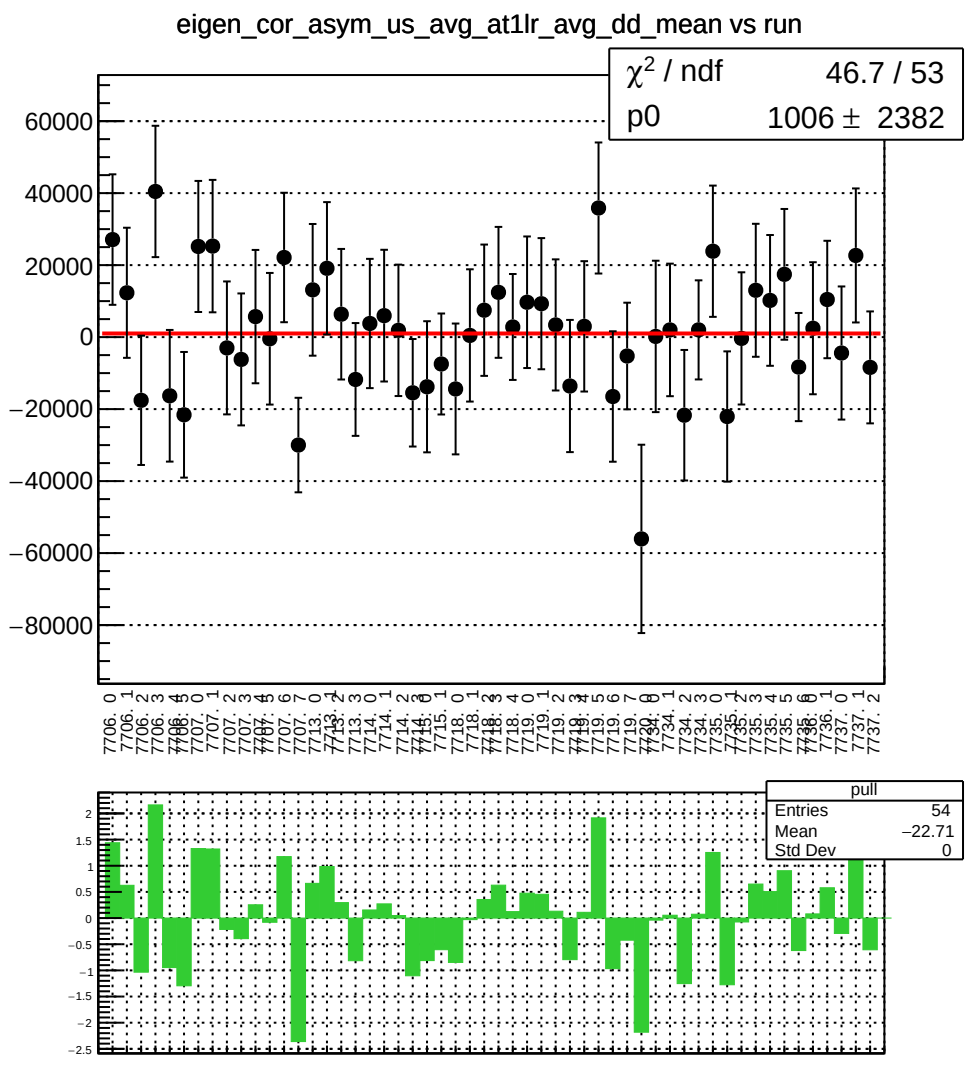

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 8.222e+04 / 53
p0 893.2 ± 0.9024
1600
1400
1200
1000
800
600

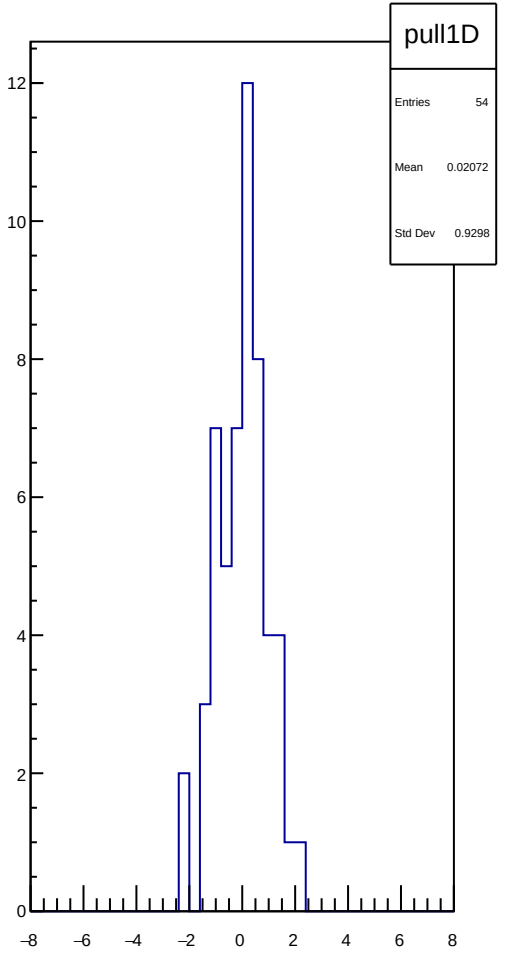

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 46.7 / 53
p0 1006 ± 2382
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −22.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.02072
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

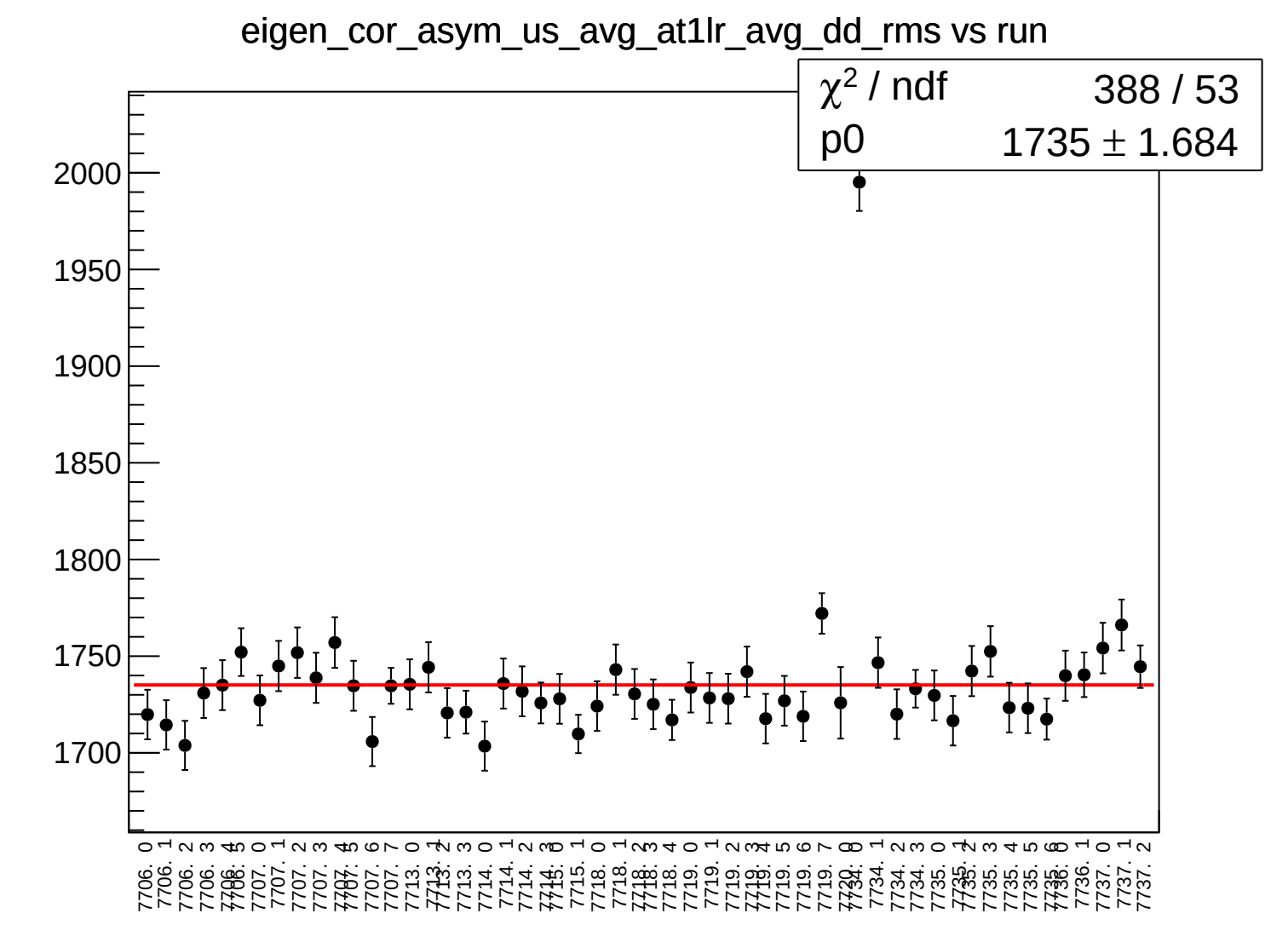

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 388 / 53
p0 1735 ± 1.684
2000
1950
1900
1850
1800
1750
1700

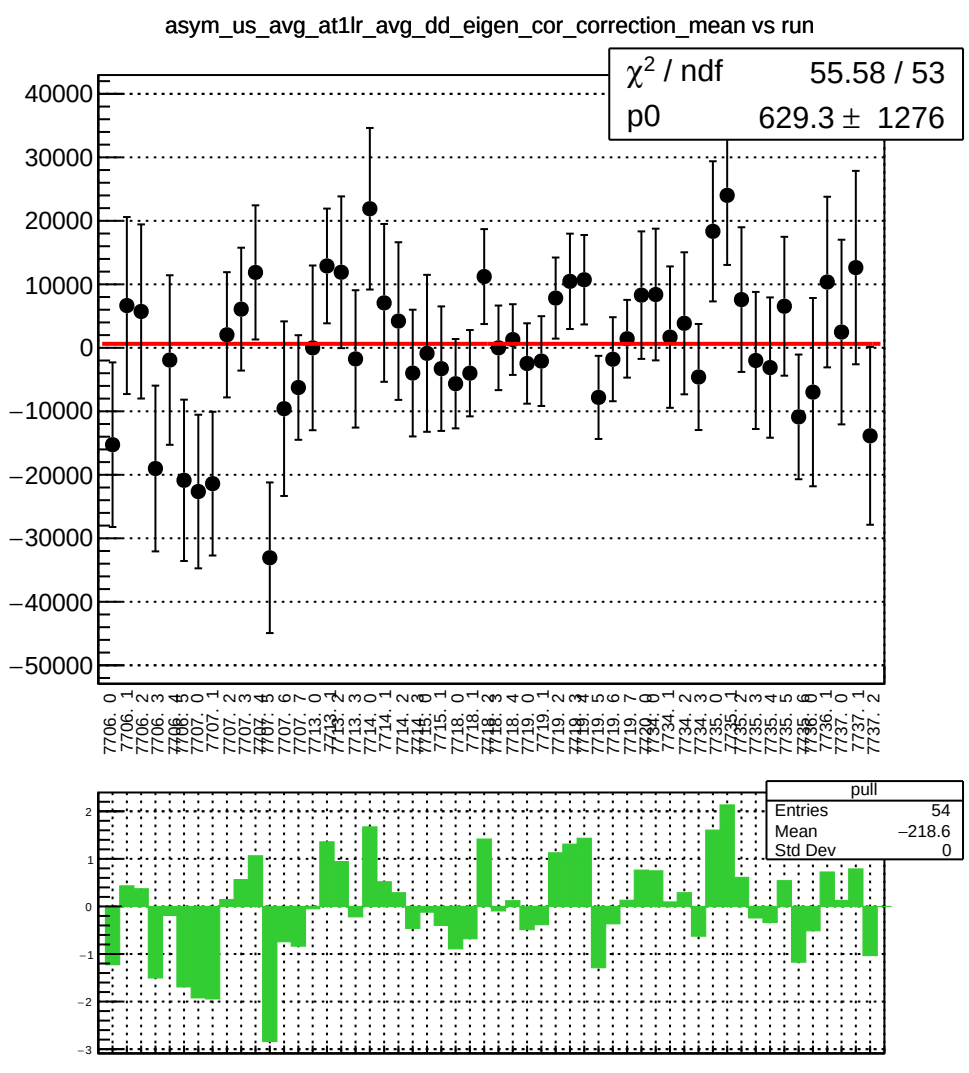

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 55.58 / 53
p0 629.3 ± 1276
pull
Entries 54
Mean −218.6
Std Dev 0
pull1D
Entries 54
Mean −0.01757
Std Dev 1.014

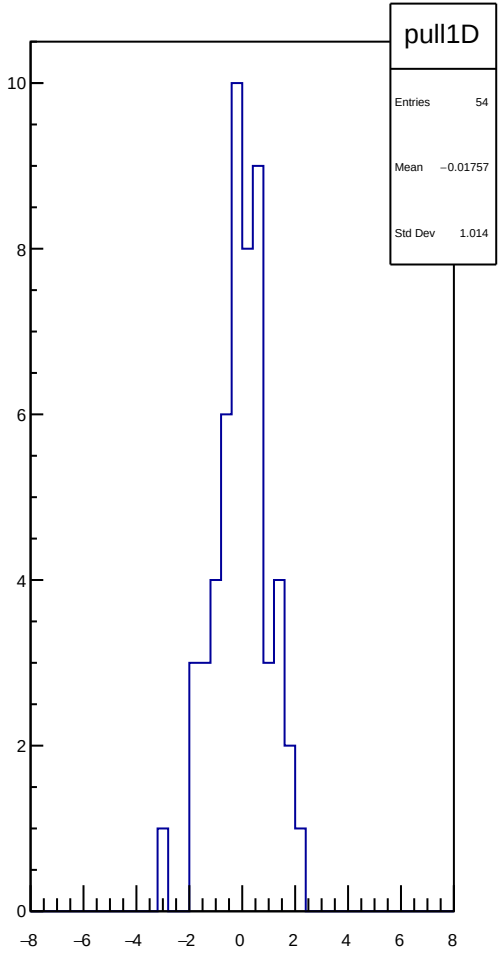

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 8.219e+04 / 53
p0 893.3 ± 0.9025
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

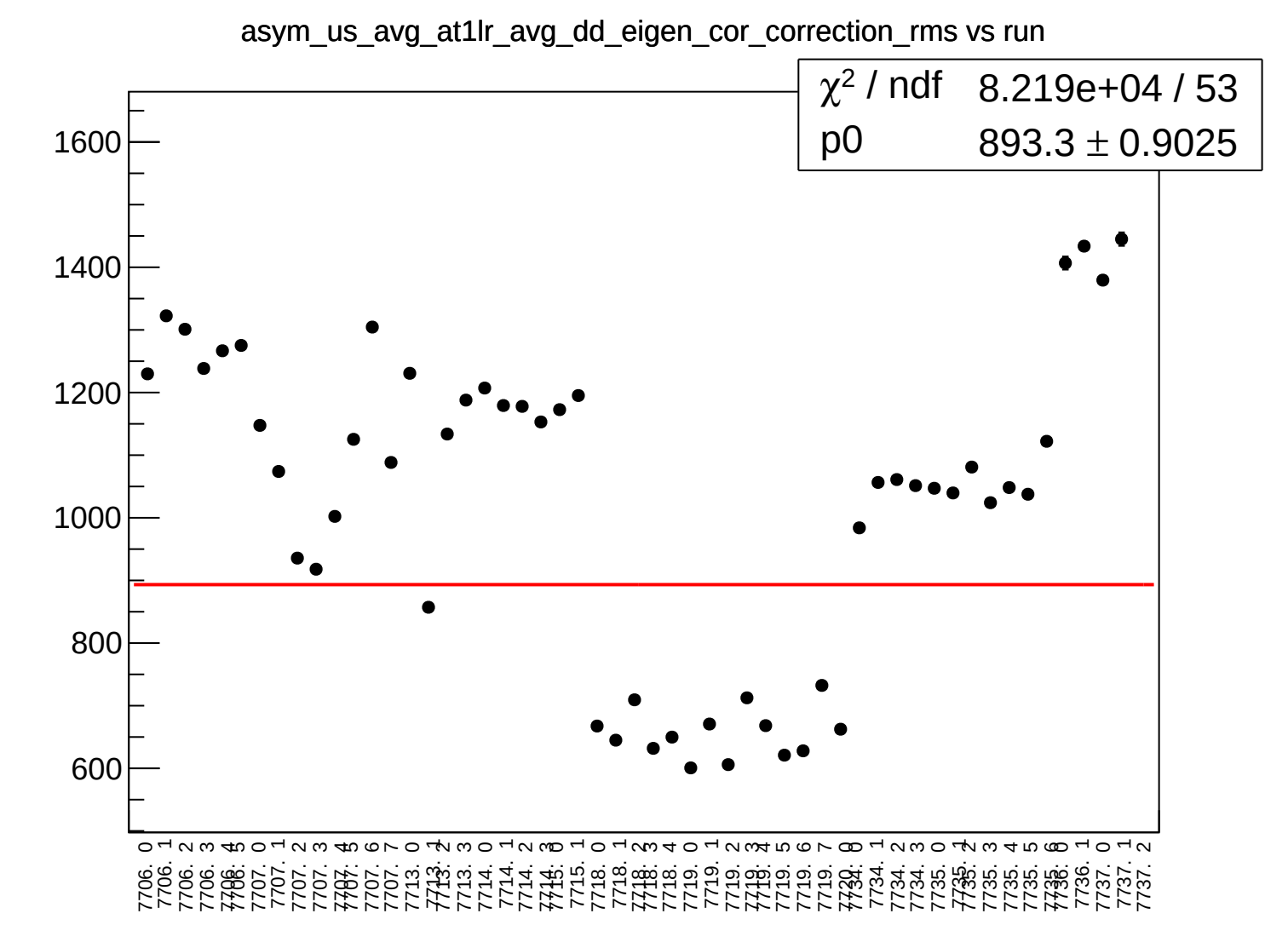

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 46.7 / 53
p0 1006 ± 2382
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −22.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

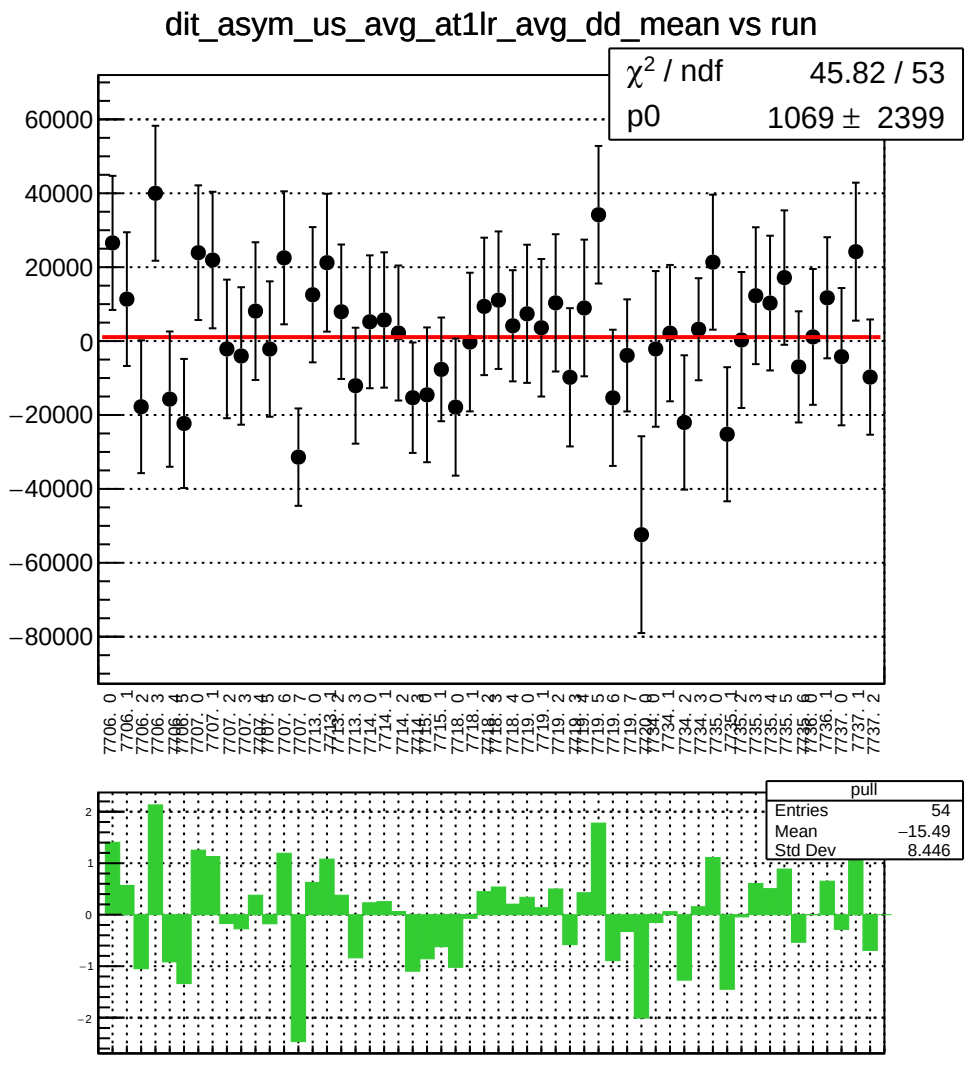

pull1D
Entries 54
Mean 0.02072
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

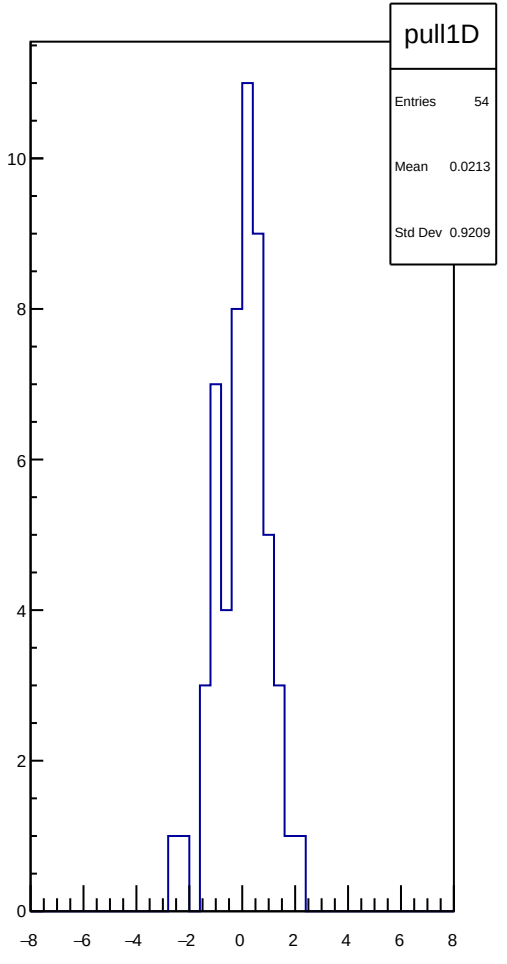

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 388 / 53
p0 1735 ± 1.684
2000
1950
1900
1850
1800
1750
1700

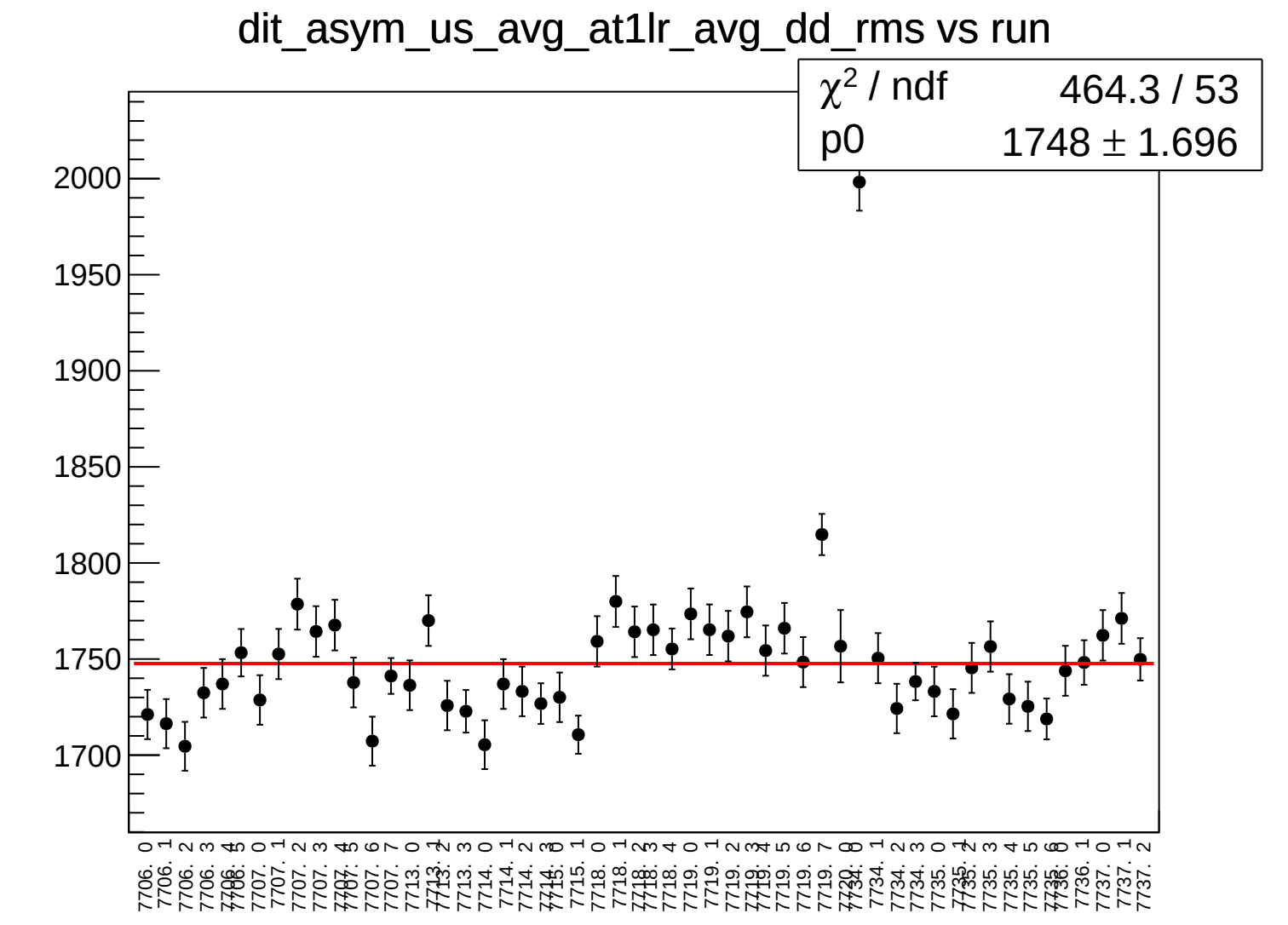

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.58 / 53
p0 629.3 ± 1276
pull
Entries 54
Mean −218.6
Std Dev 0

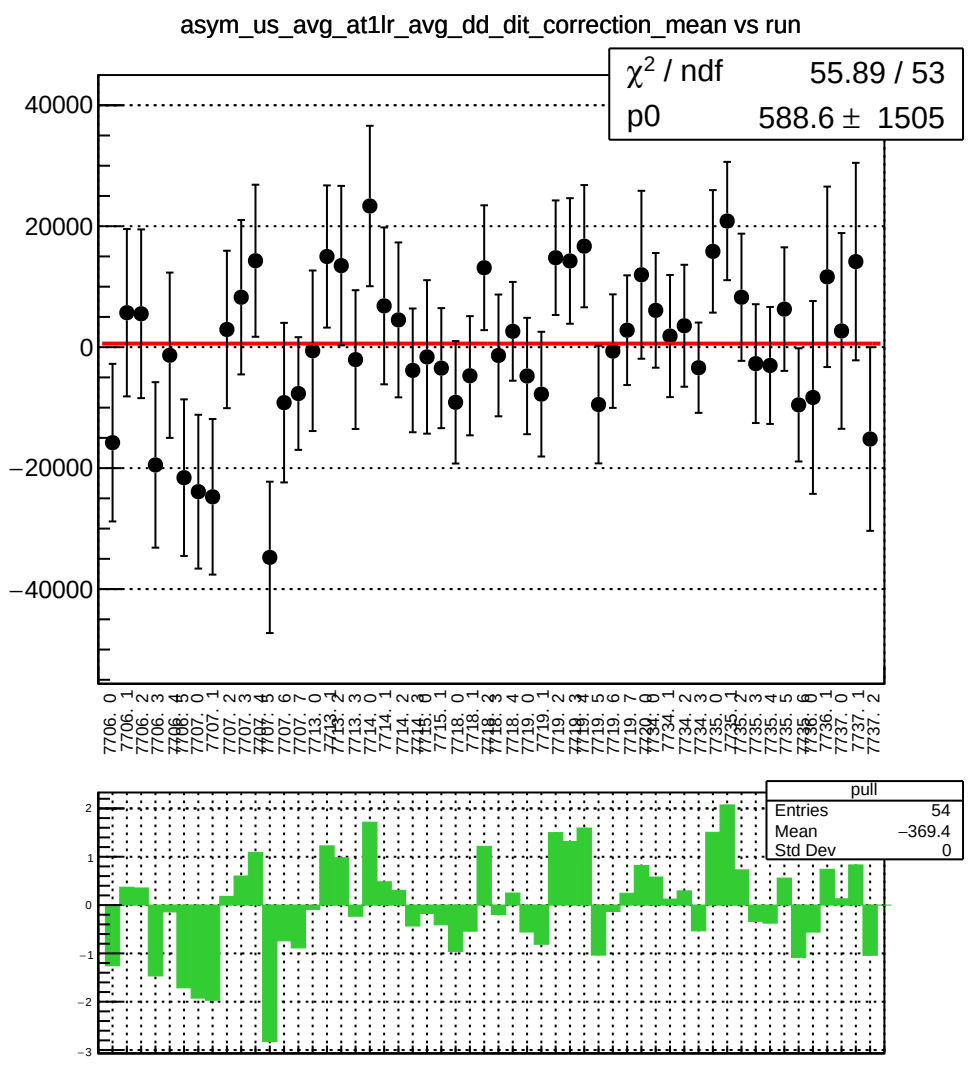

pull1D
Entries 54
Mean −0.01757
Std Dev 1.014

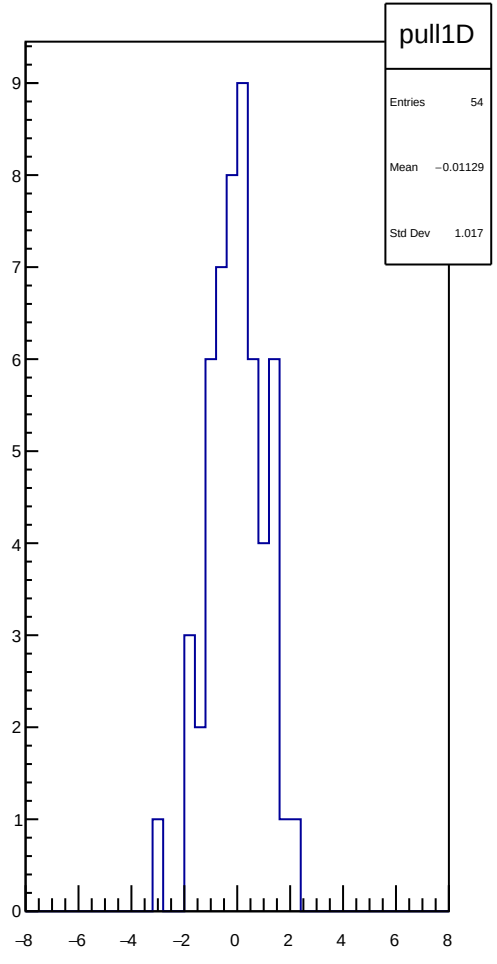

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 8.219e+04 / 53
p0 893.3 ± 0.9025
1600
1400
1200
1000
800
600

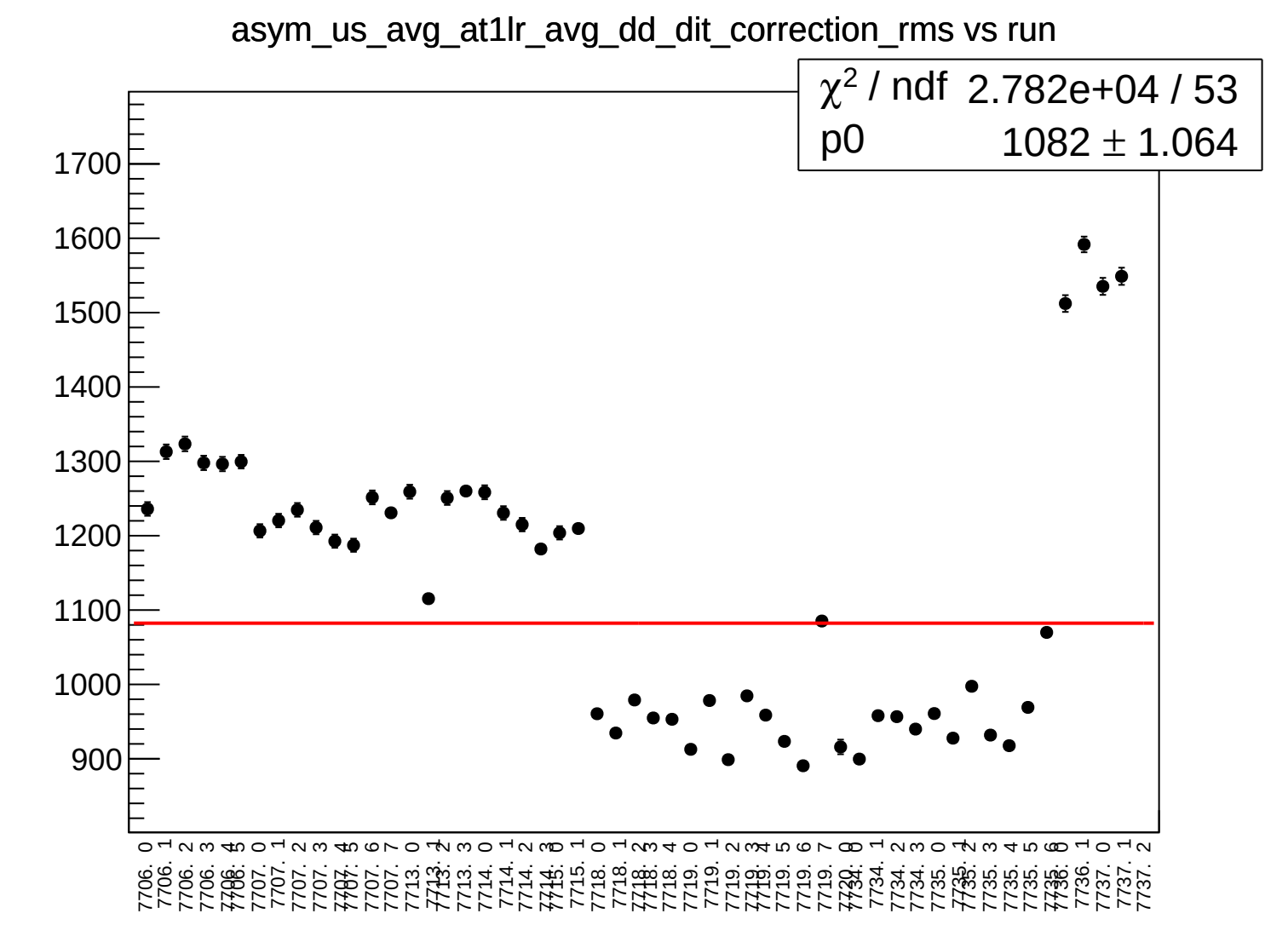

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 45.82 / 53
p0 1069 ± 2399
pull
Entries 54
Mean −15.49
Std Dev 8.446

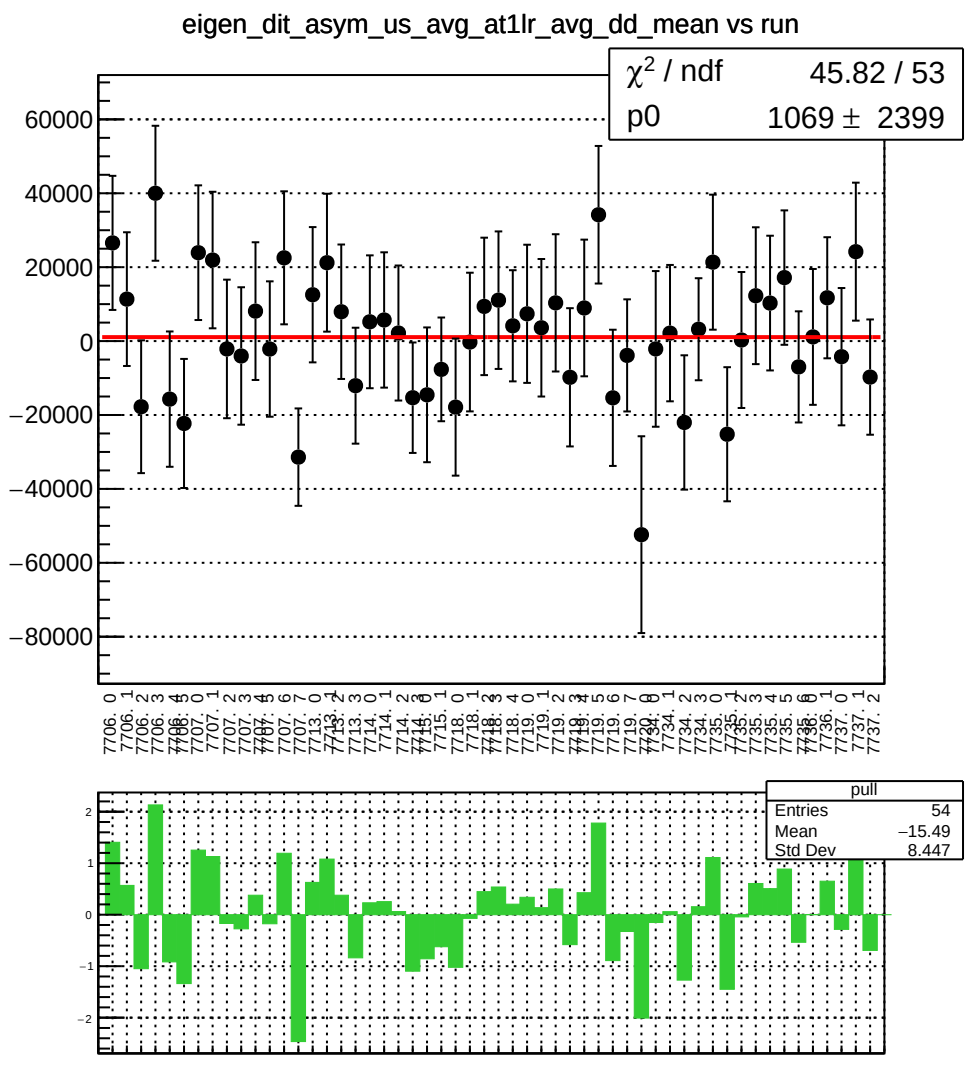

pull1D
Entries 54
Mean 0.0213
Std Dev 0.9209

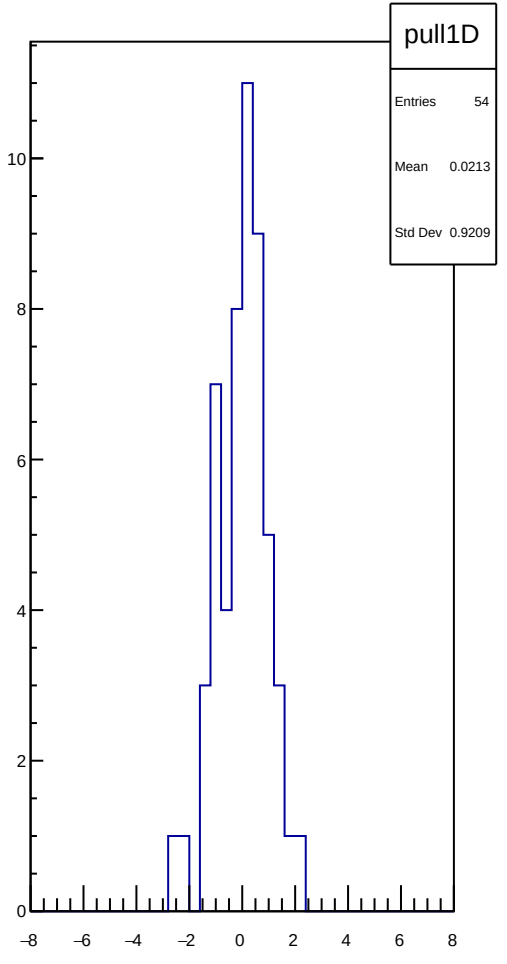

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 464.3 / 53
p0 1748 ± 1.696
2000
1950
1900
1850
1800
1750
1700

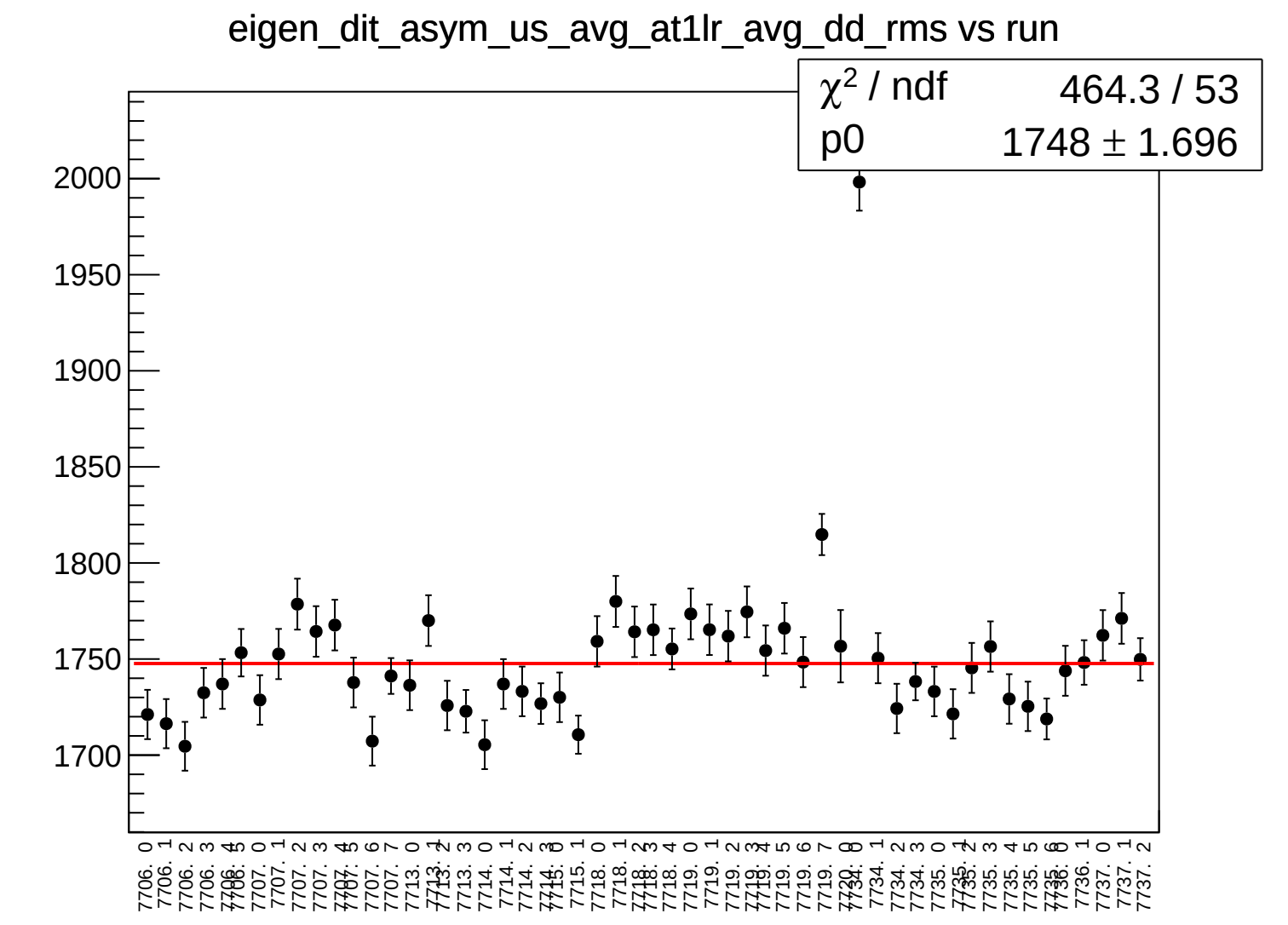

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 55.89 / 53
p0 588.6 ± 1505
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −369.4
Std Dev 0
2
1
0
−1
−2
−3

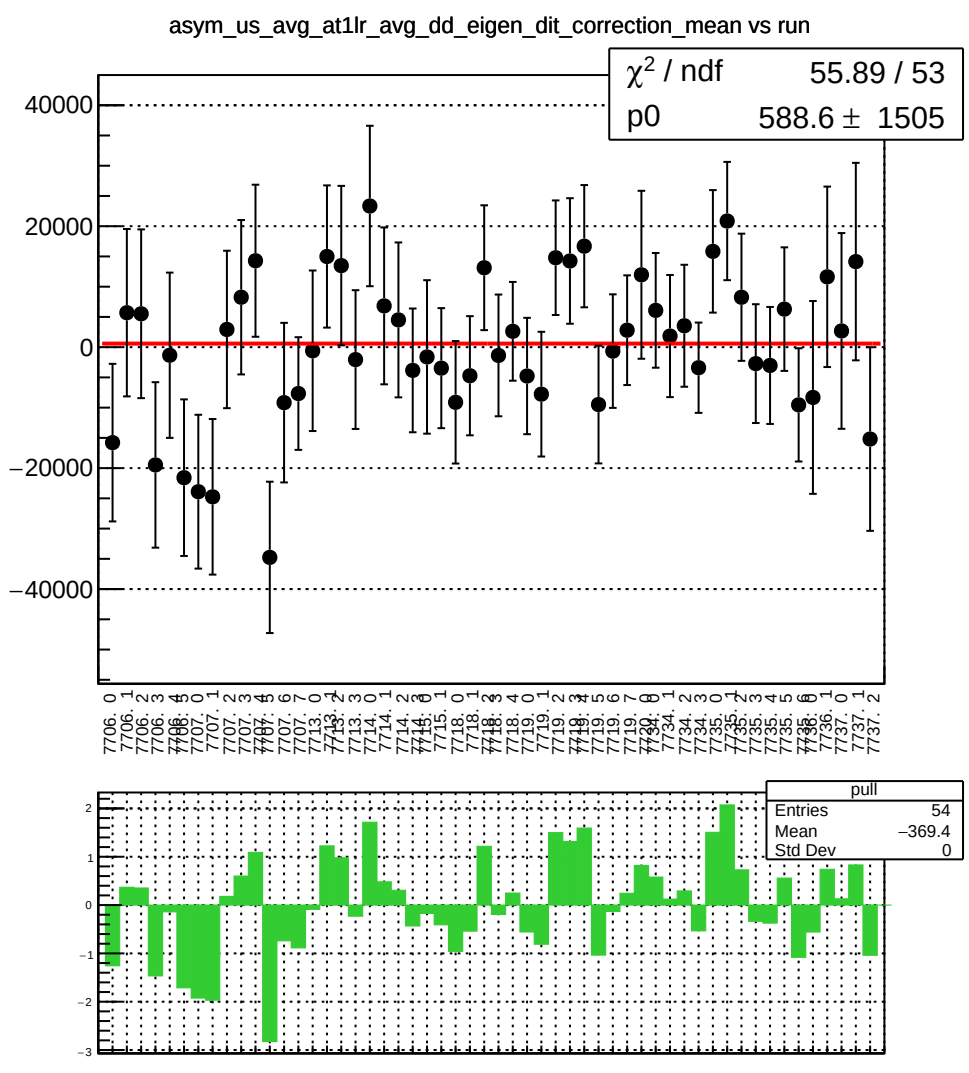

pull1D
Entries 54
Mean −0.01129
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

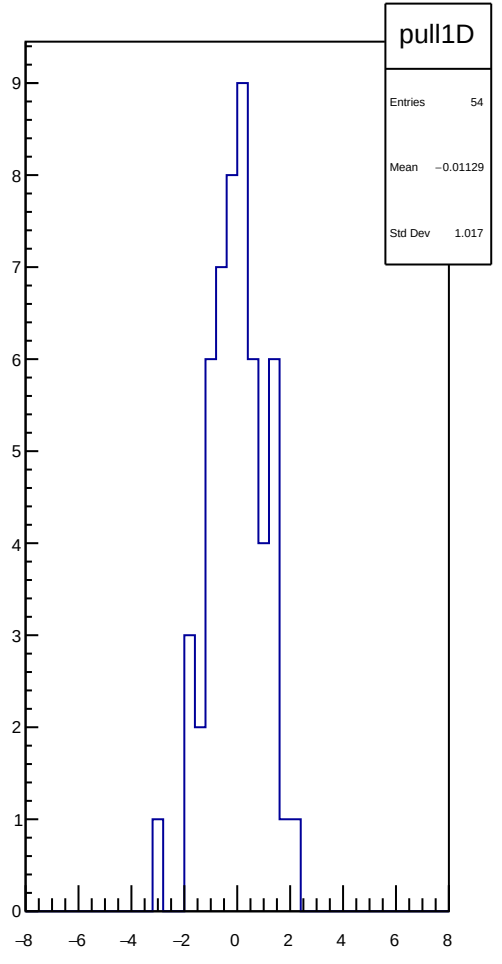

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.782e+04 / 53
p0 1082 ± 1.064
1700
1600
1500
1400
1300
1200
1100
1000
900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

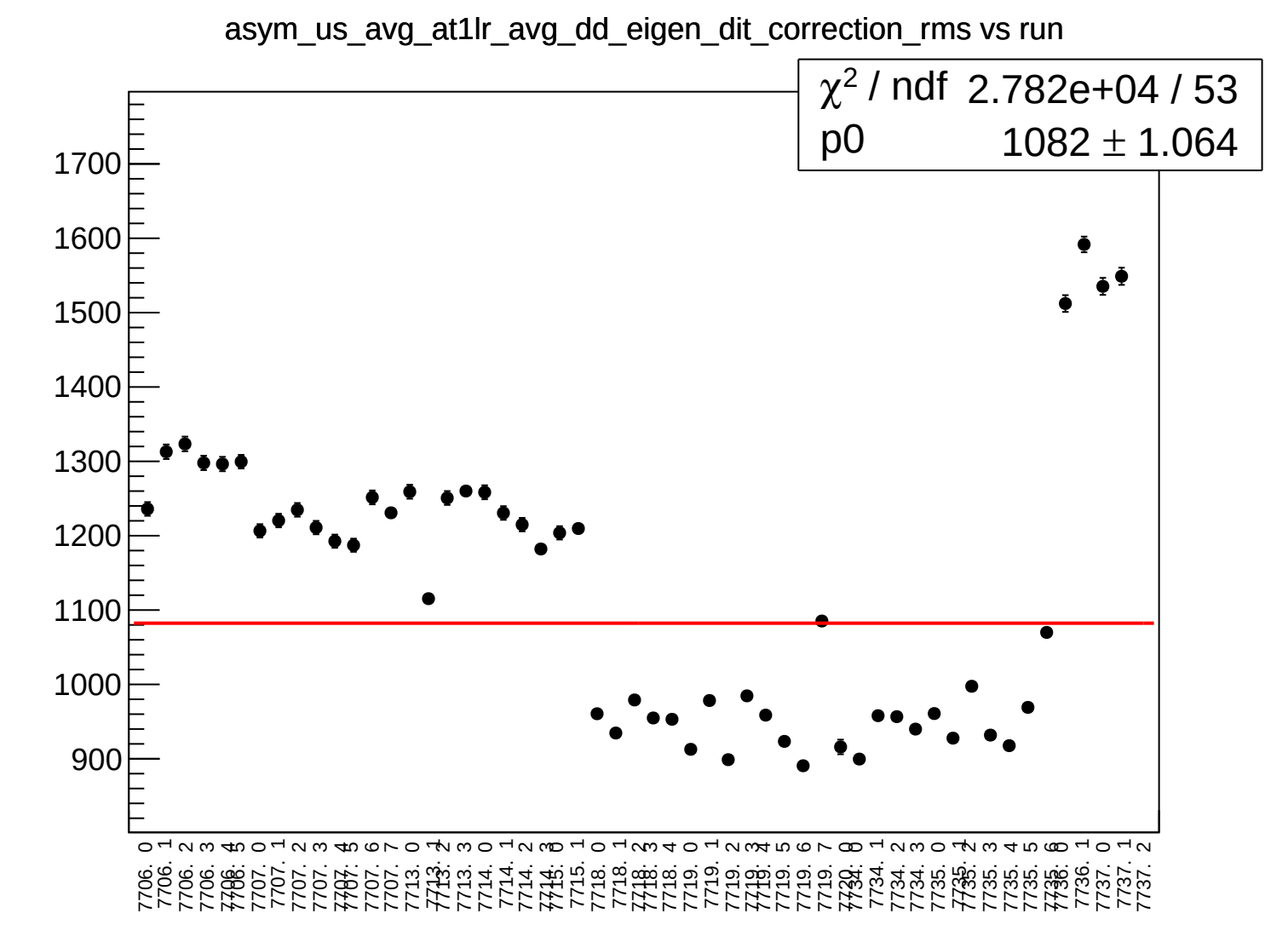

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 45.82 / 53
p0 1069 ± 2399
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −15.49
Std Dev 8.447
2
1
0
−1
−2

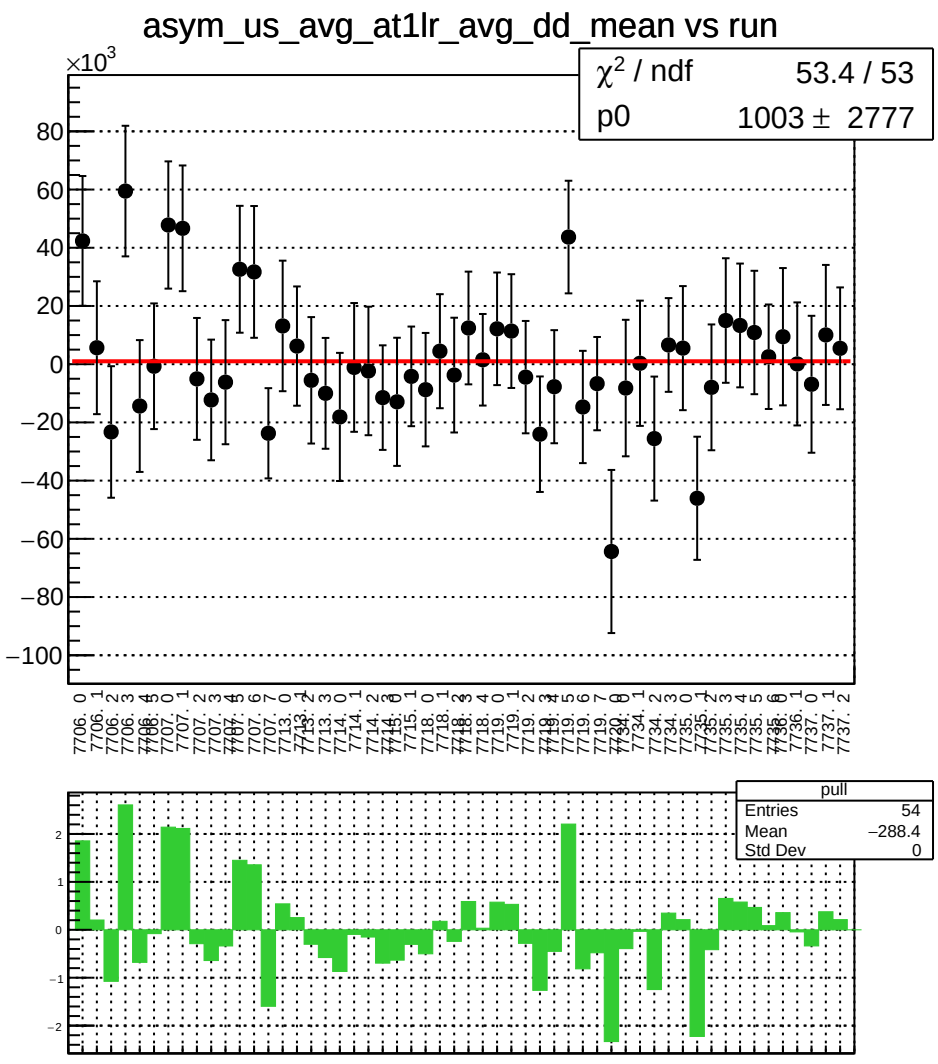

pull1D
Entries 54
Mean 0.0213
Std Dev 0.9209
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

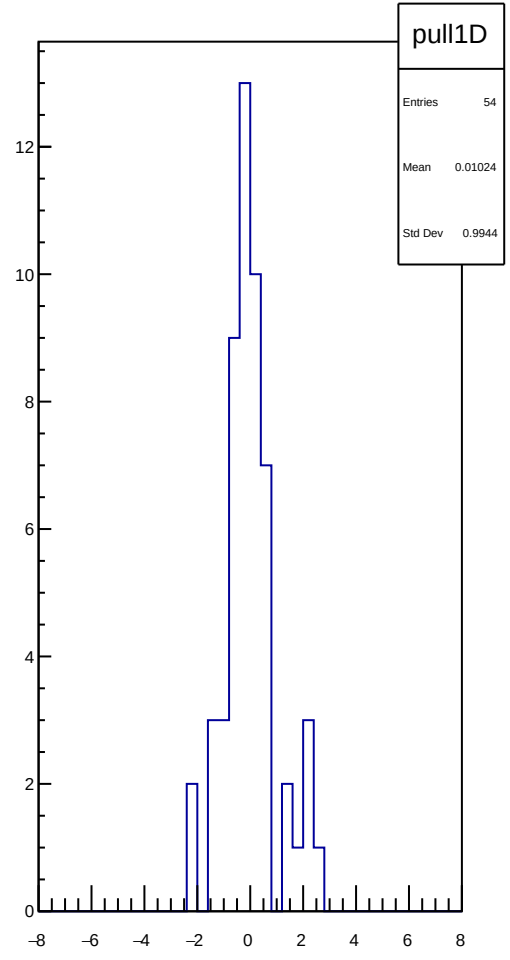

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 464.3 / 53
p0 1748 ± 1.696
2000
1950
1900
1850
1800
1750
1700

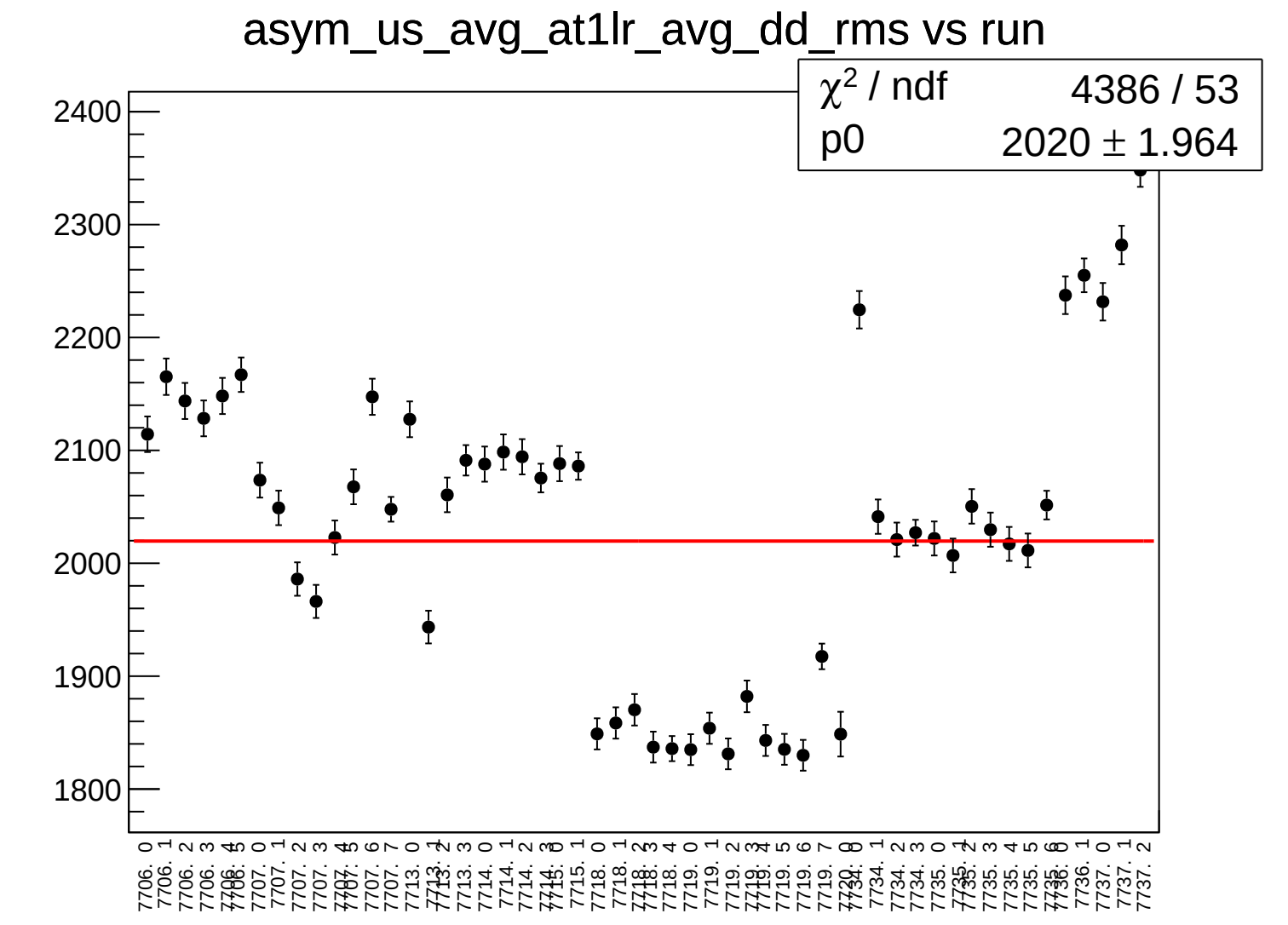

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.89 / 53
p0 588.6 ± 1505
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −369.4
Std Dev 0
2
1
0
−1
−2
−3

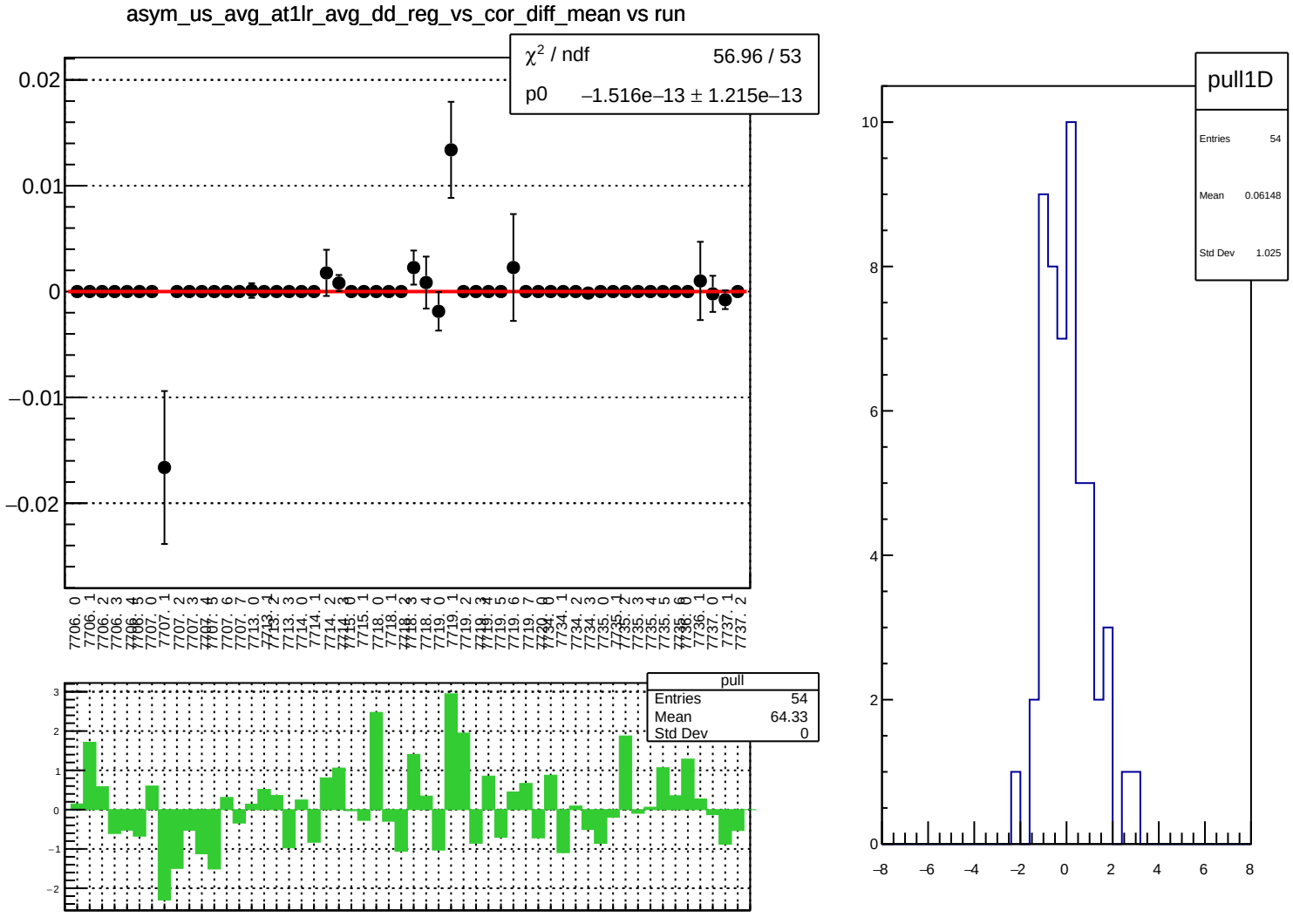

pull1D
Entries 54
Mean −0.01129
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

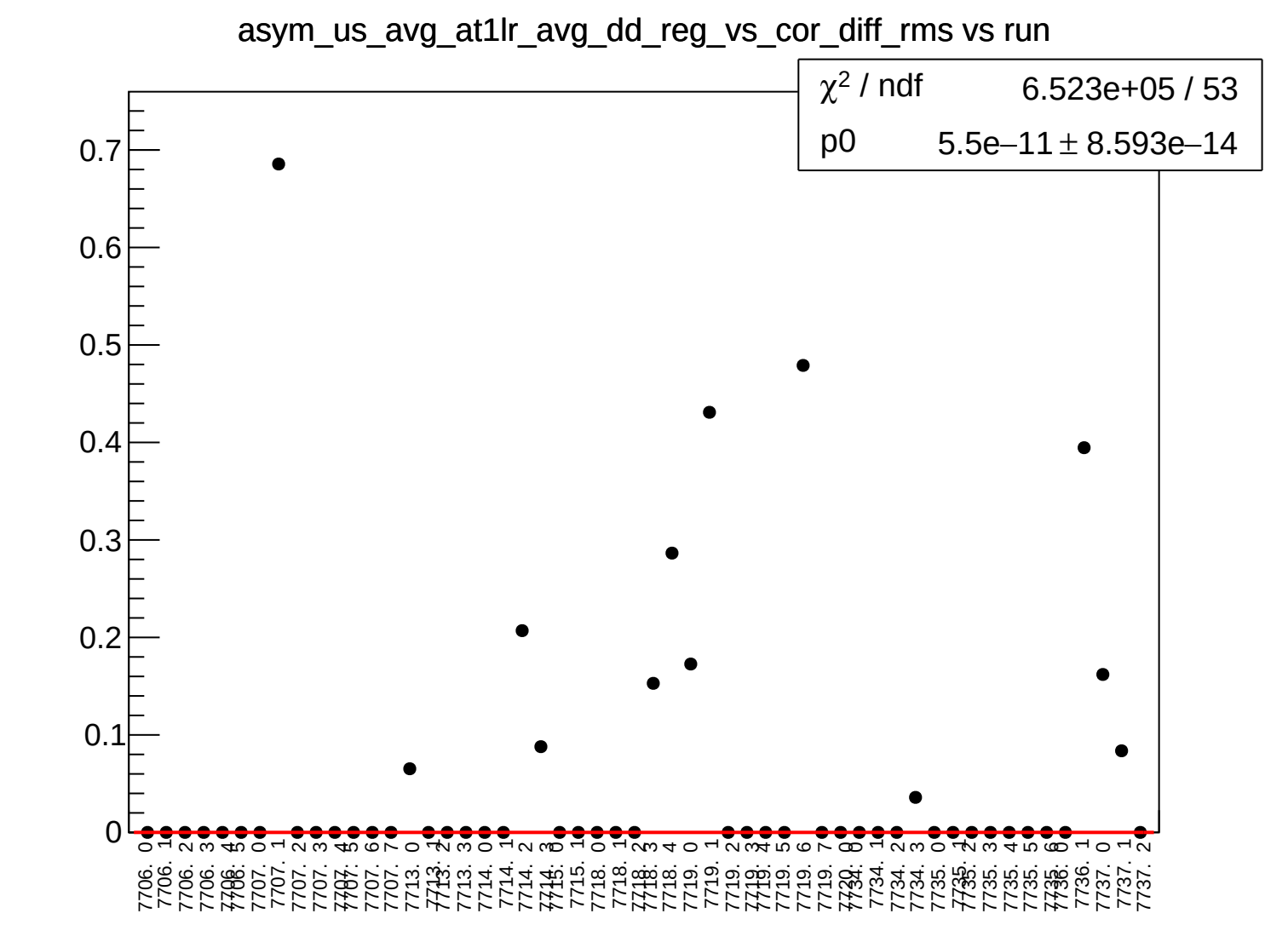

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.782e+04 / 53
p0 1082 ± 1.064
1700
1600
1500
1400
1300
1200
1100
1000
900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

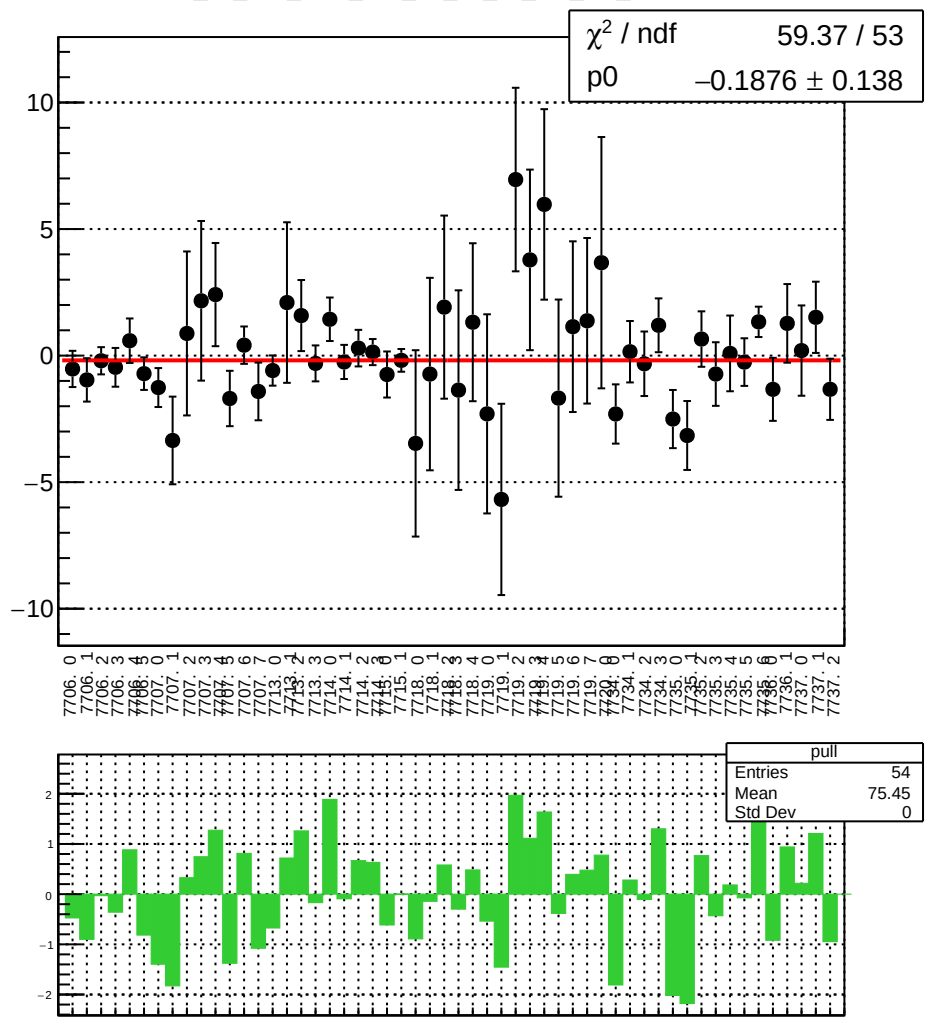

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 53.4 / 53
p0 1003 ± 2777
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 54
Mean −288.4
Std Dev 0
2
1
0
−1
−2

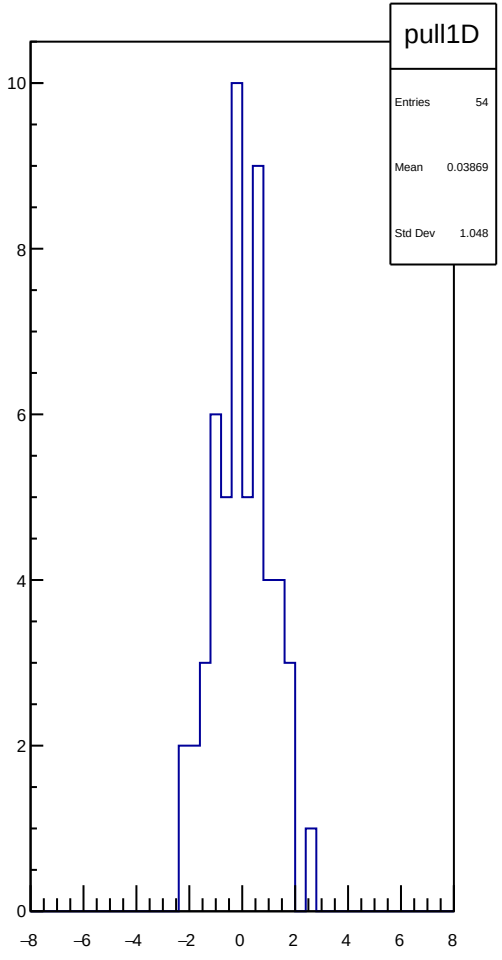

pull1D
Entries 54
Mean 0.01024
Std Dev 0.9944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

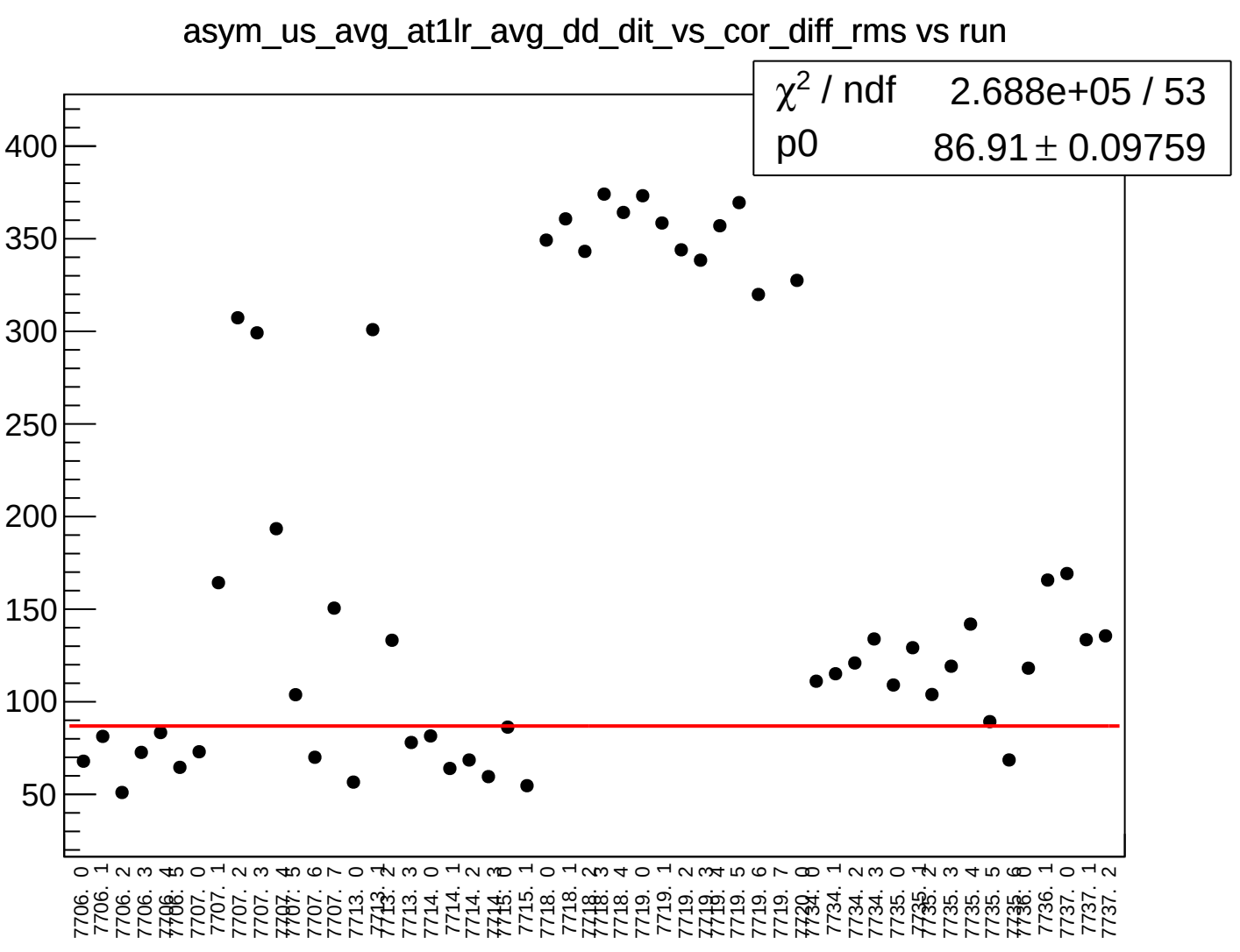

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 4386 / 53
p0 2020 ± 1.964
2400
2300
2200
2100
2000
1900
1800

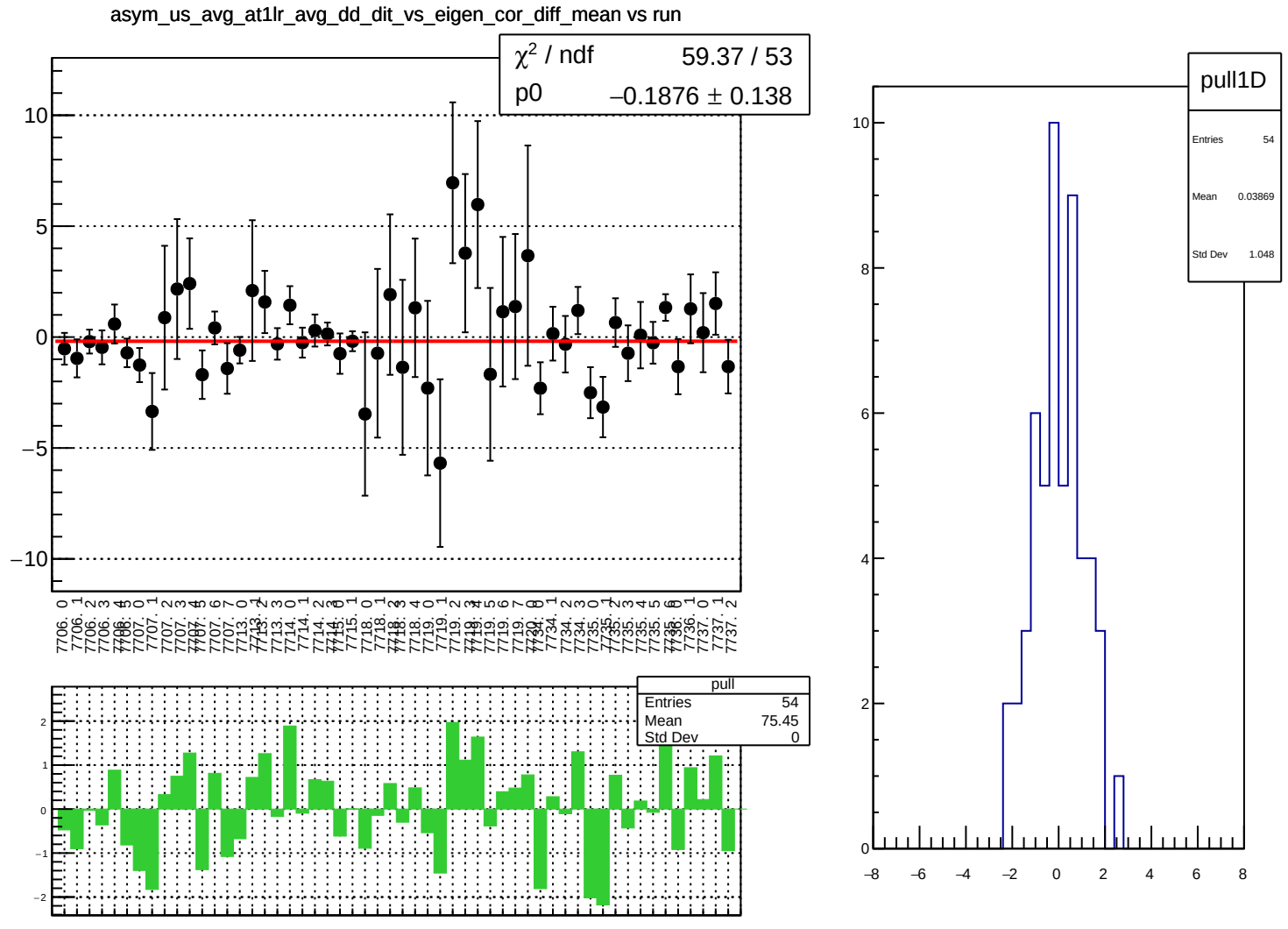

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.96 / 53
p0 −1.516e−13 ± 1.215e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 64.33
Std Dev 0
pull1D
Entries 54
Mean 0.06148
Std Dev 1.025

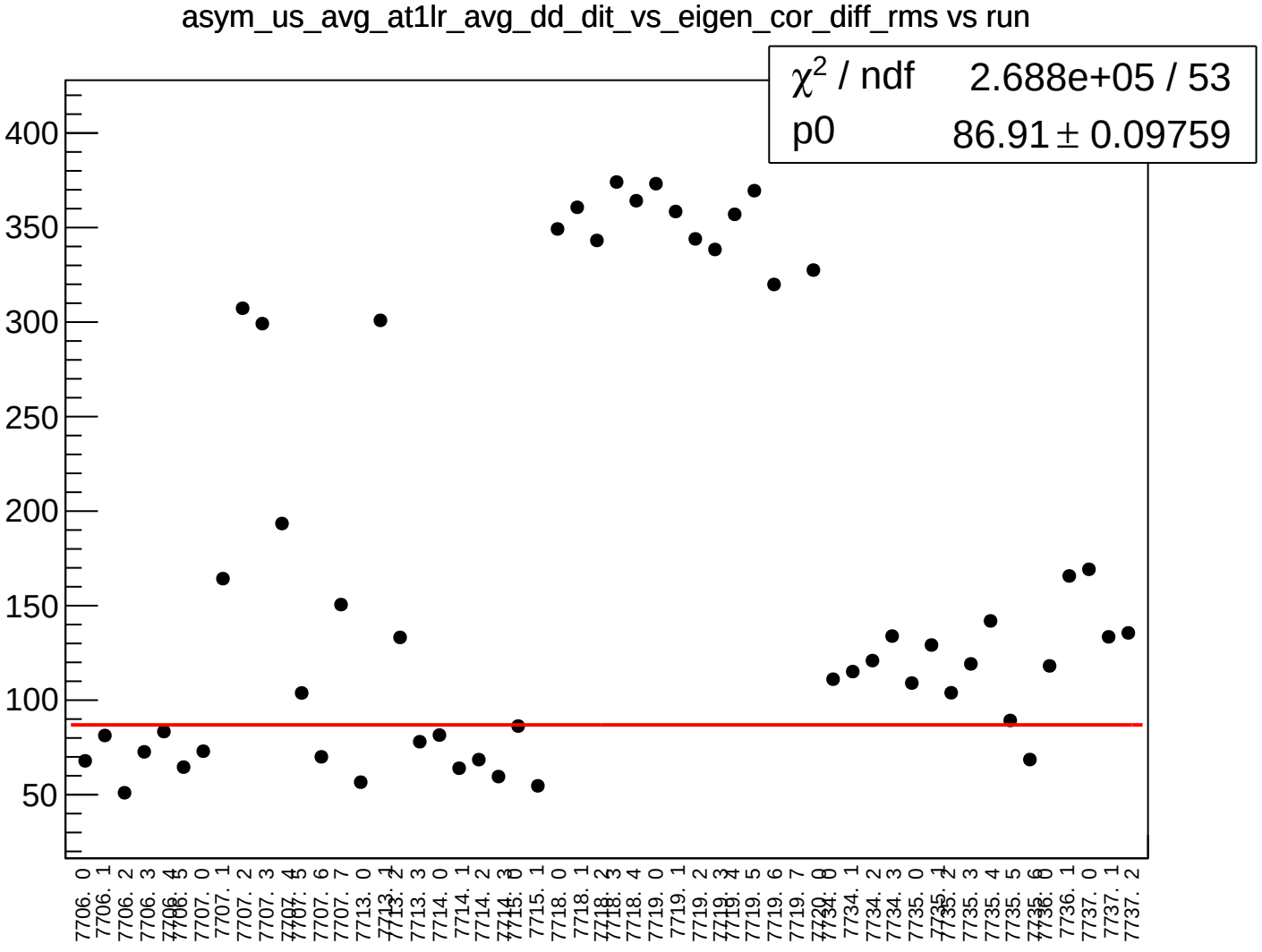

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.523e+05 / 53
p0 5.5e−11 ± 8.593e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

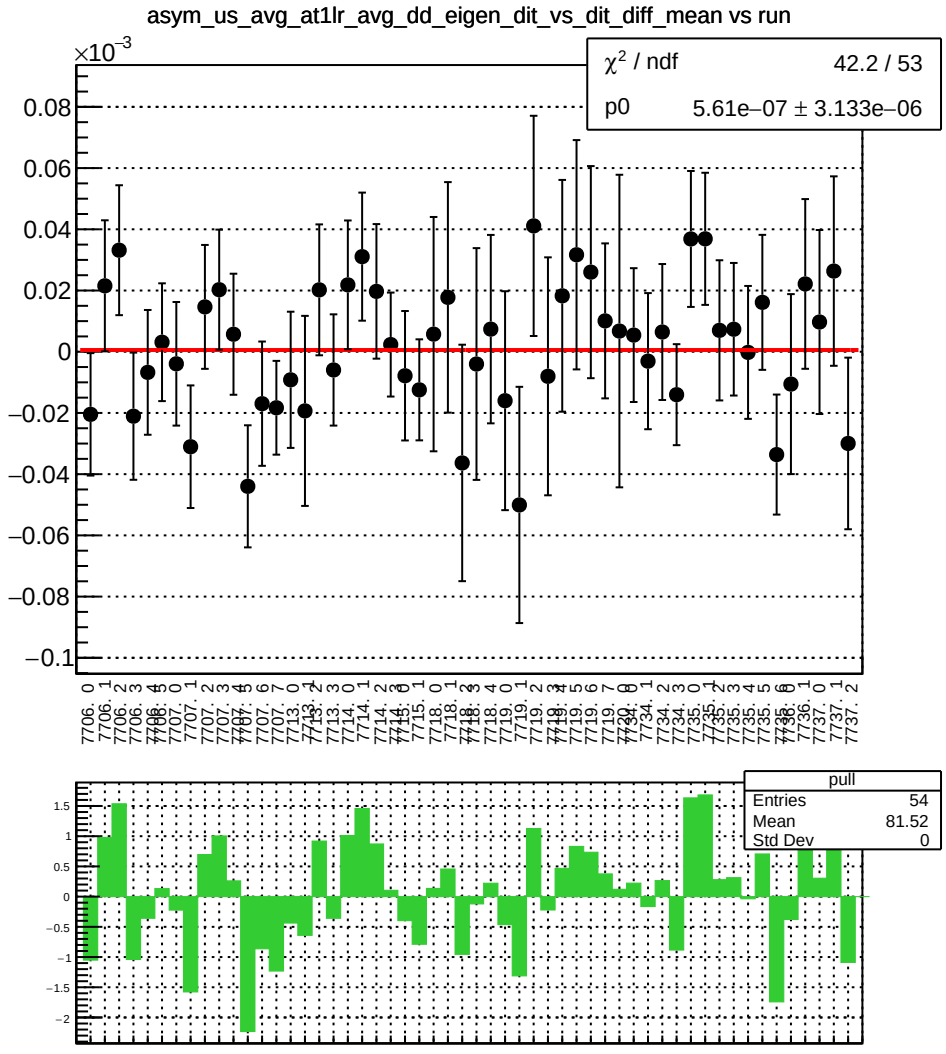

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.37 / 53
p0 −0.1876 ± 0.138
pull
Entries 54
Mean 75.45
Std Dev 0

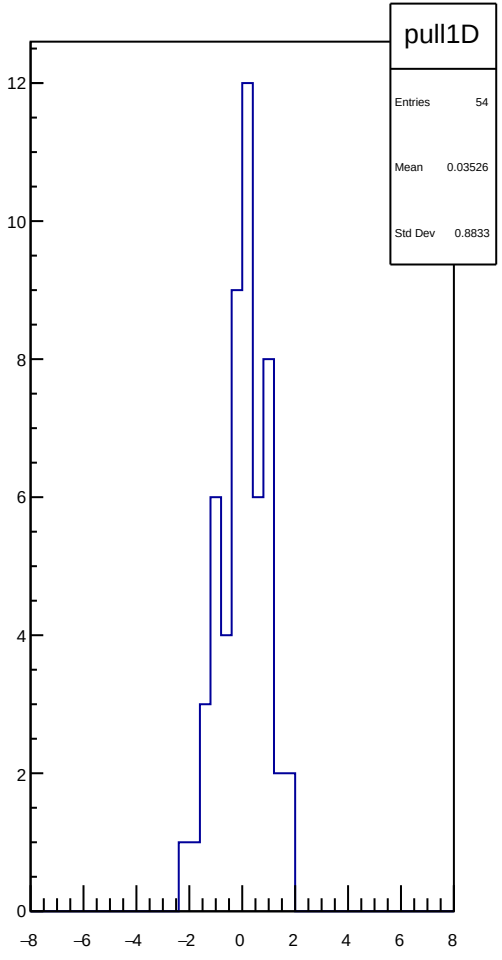

pull1D
Entries 54
Mean 0.03869
Std Dev 1.048

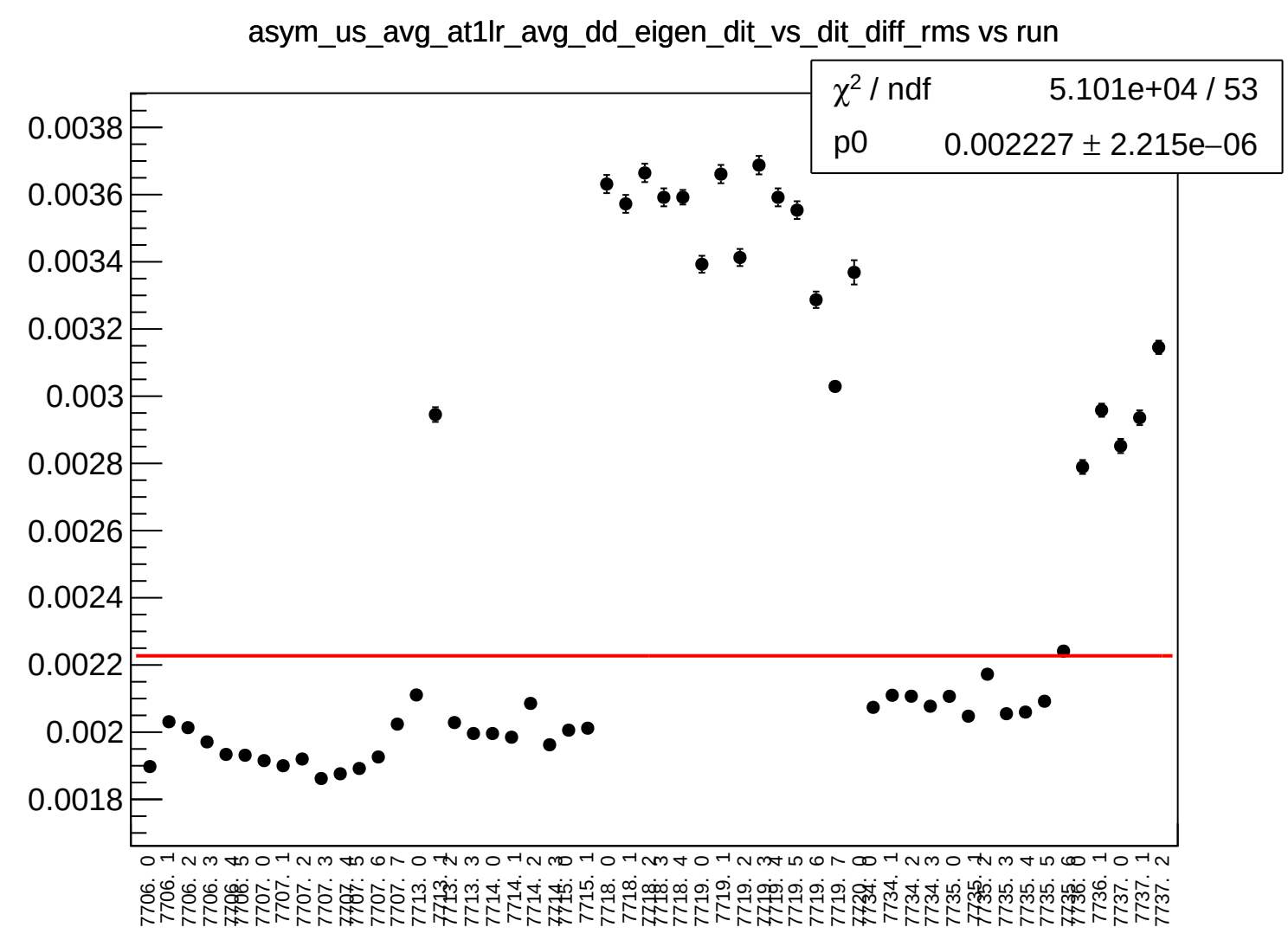

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.688e+05 / 53
p0 86.91 ± 0.09759
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

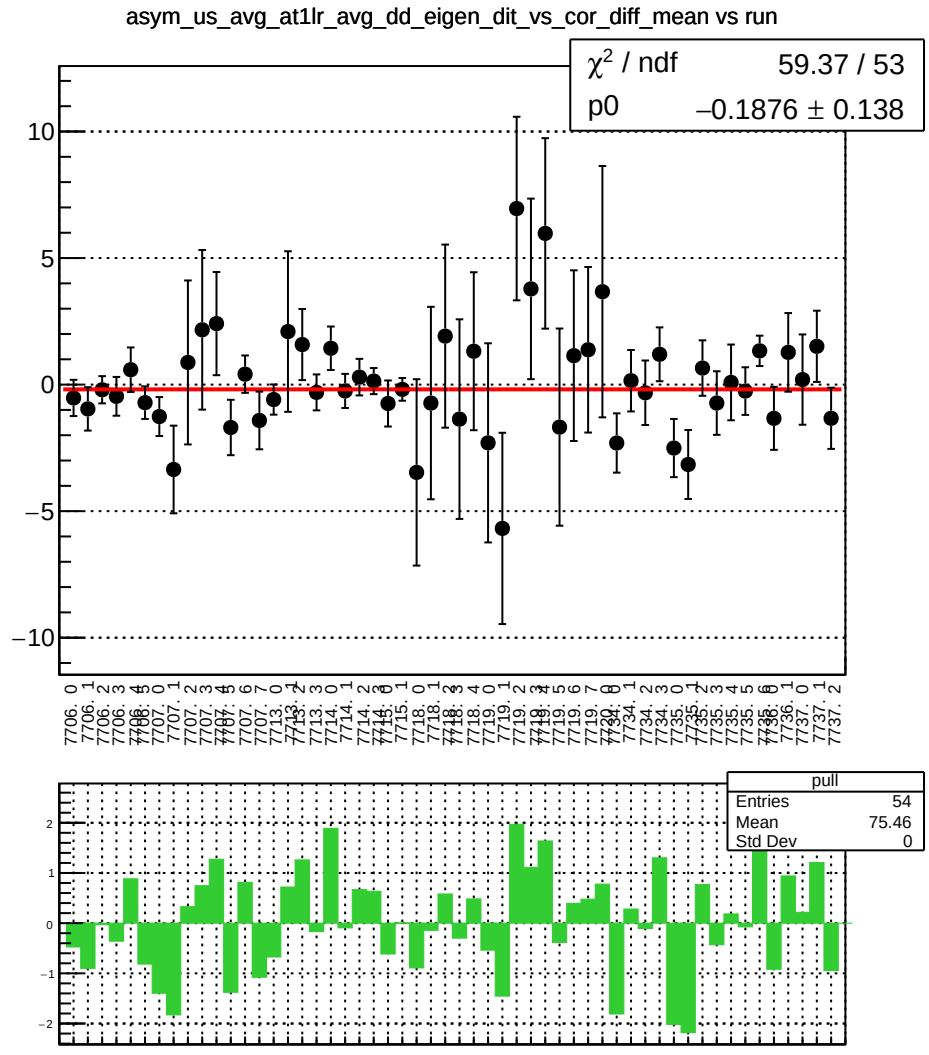

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.37 / 53
p0 −0.1876 ± 0.138
pull
Entries 54
Mean 75.45
Std Dev 0
pull1D
Entries 54
Mean 0.03869
Std Dev 1.048

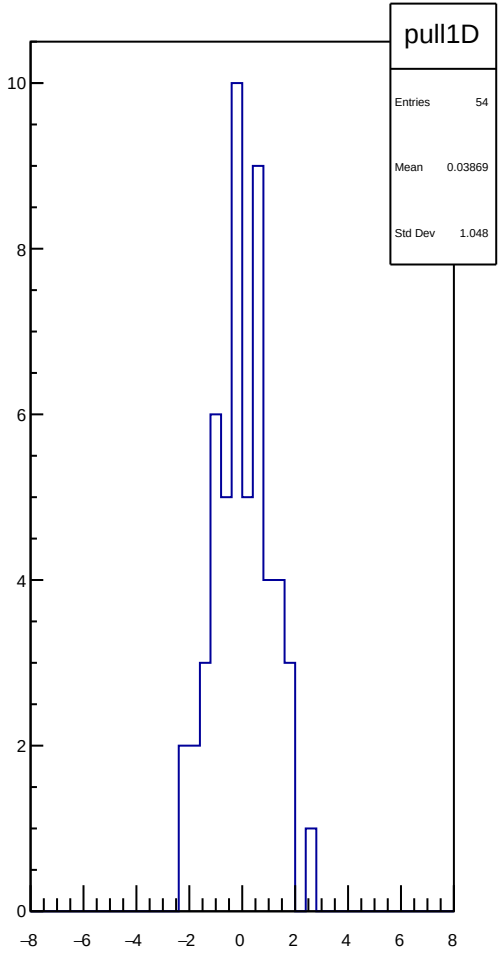

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.688e+05 / 53
p0 86.91 ± 0.09759
400
350
300
250
200
150
100
50

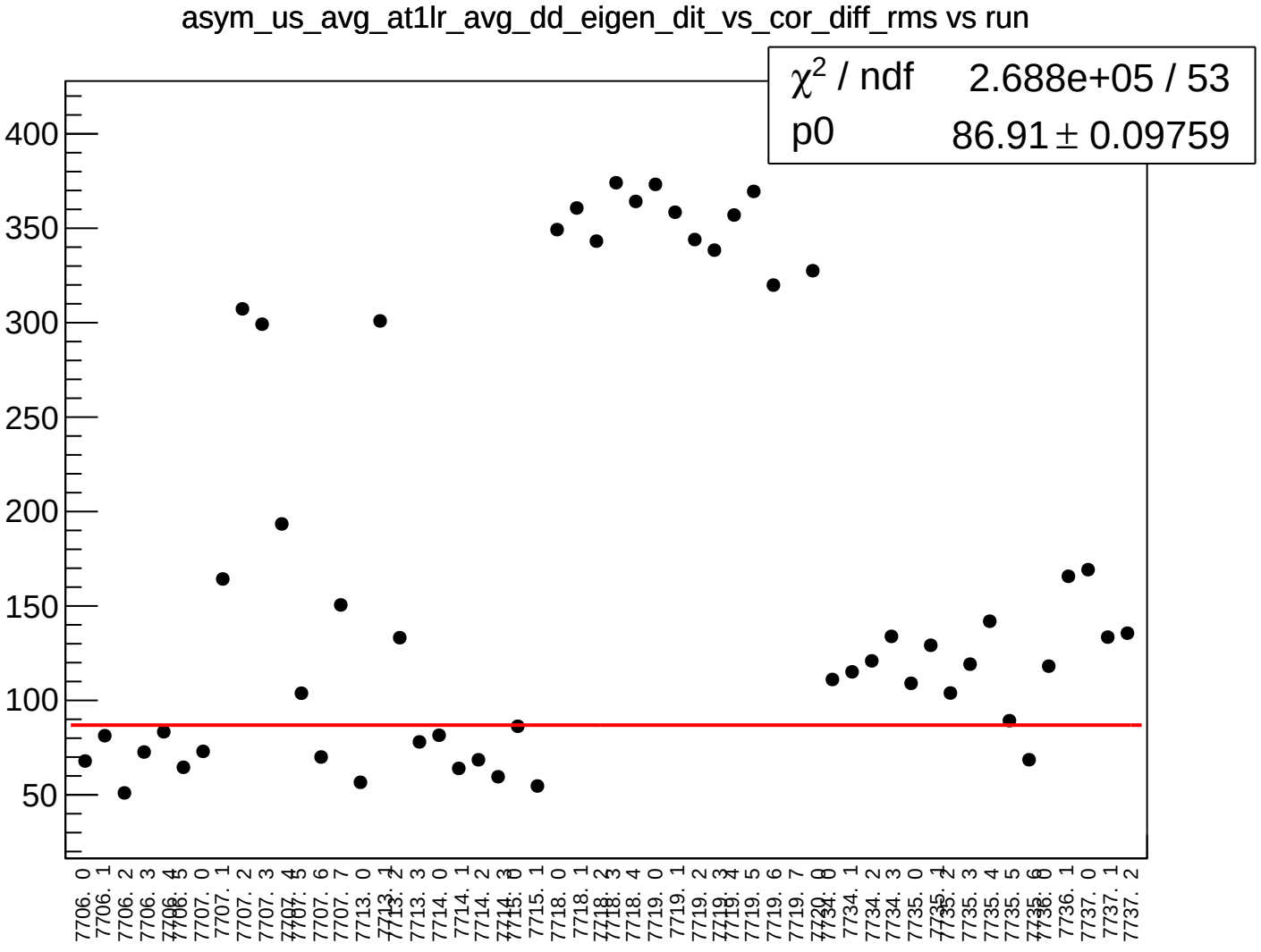

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.2 / 53
p0 5.61e−07 ± 3.133e−06
pull
Entries 54
Mean 81.52
Std Dev 0

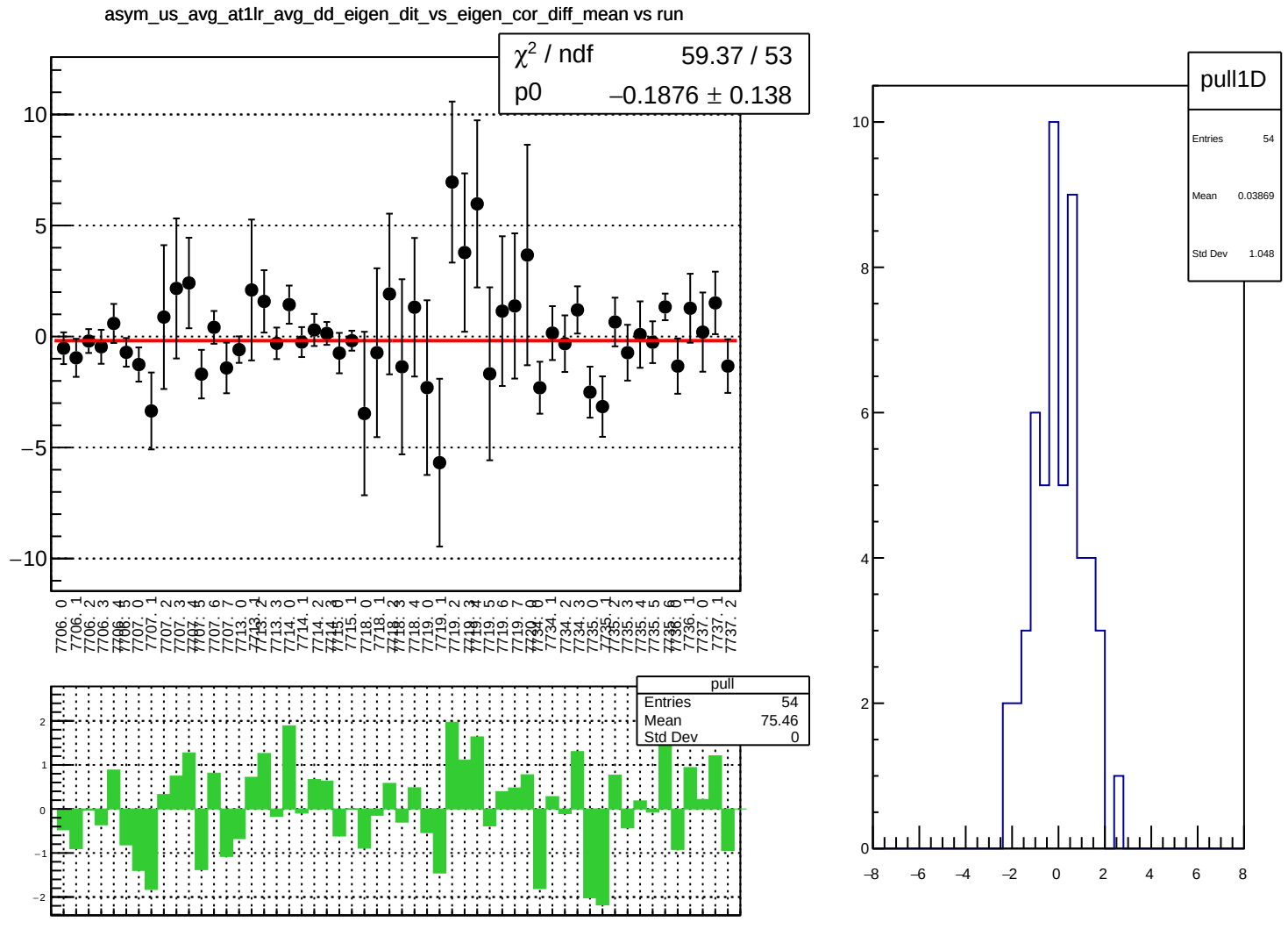

pull1D
Entries 54
Mean 0.03526
Std Dev 0.8833

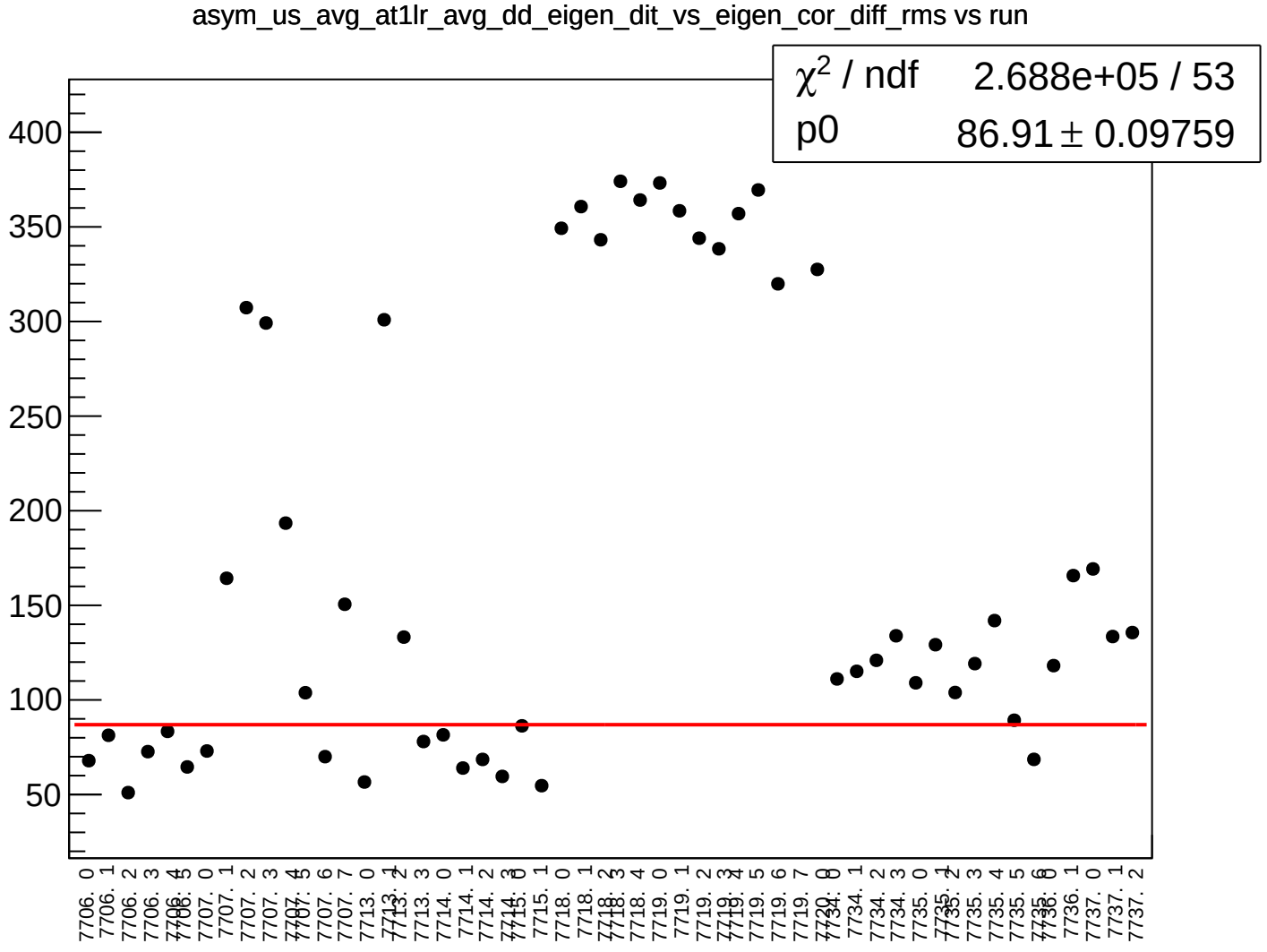

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.101e+04 / 53
p0 0.002227 ± 2.215e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

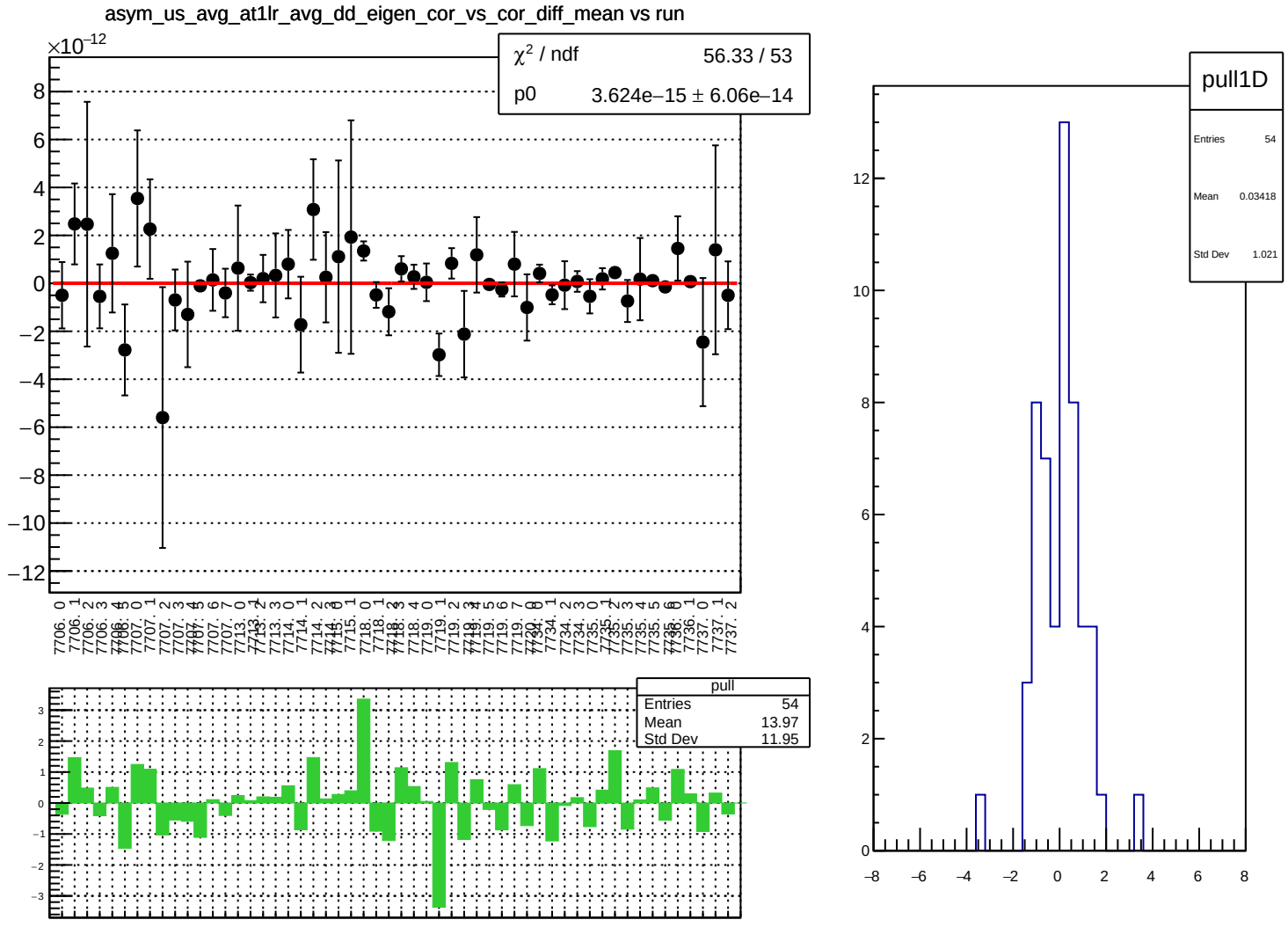

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.37 / 53
p0 −0.1876 ± 0.138
pull
Entries 54
Mean 75.46
Std Dev 0

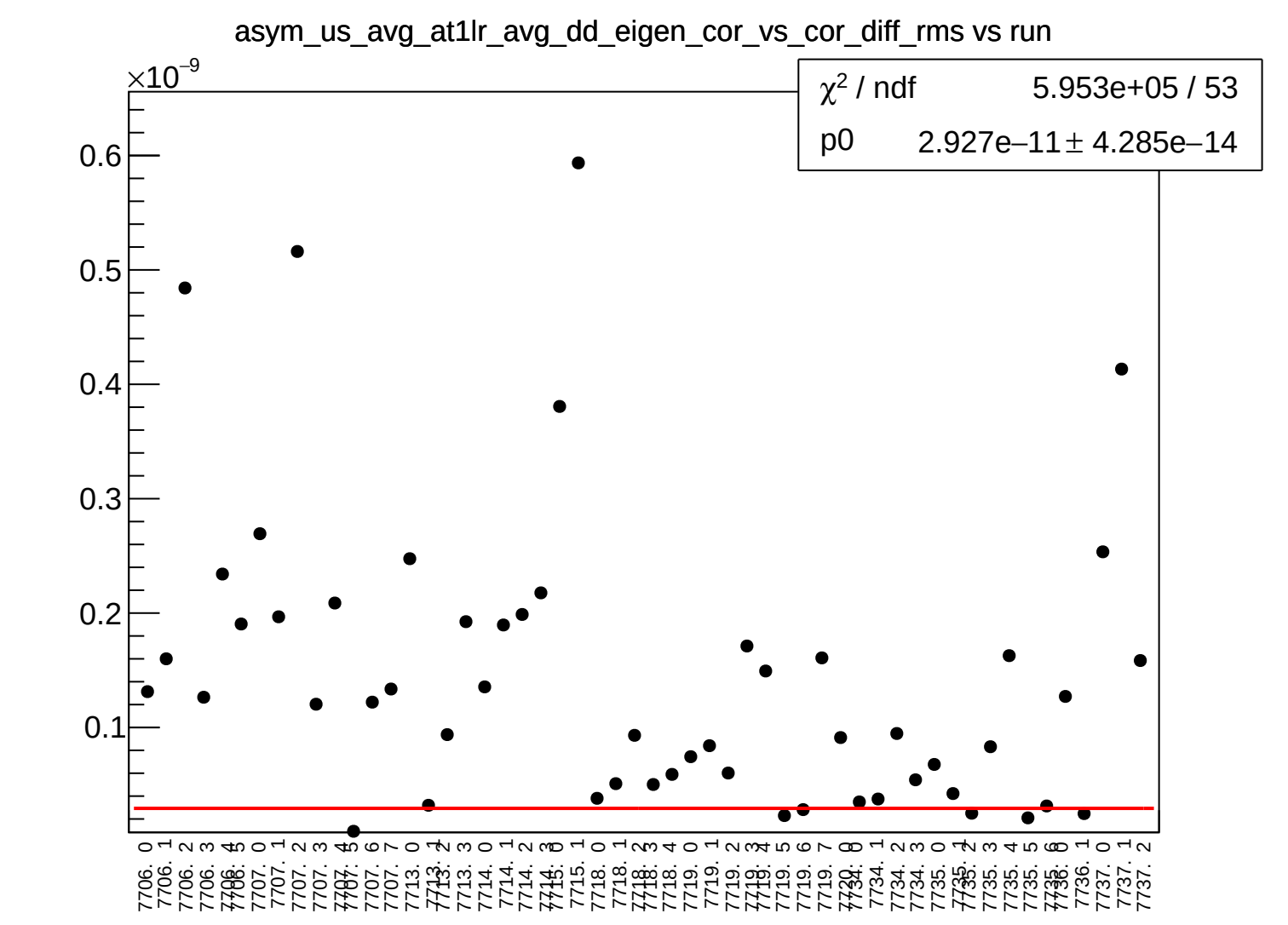

pull1D
Entries 54
Mean 0.03869
Std Dev 1.048

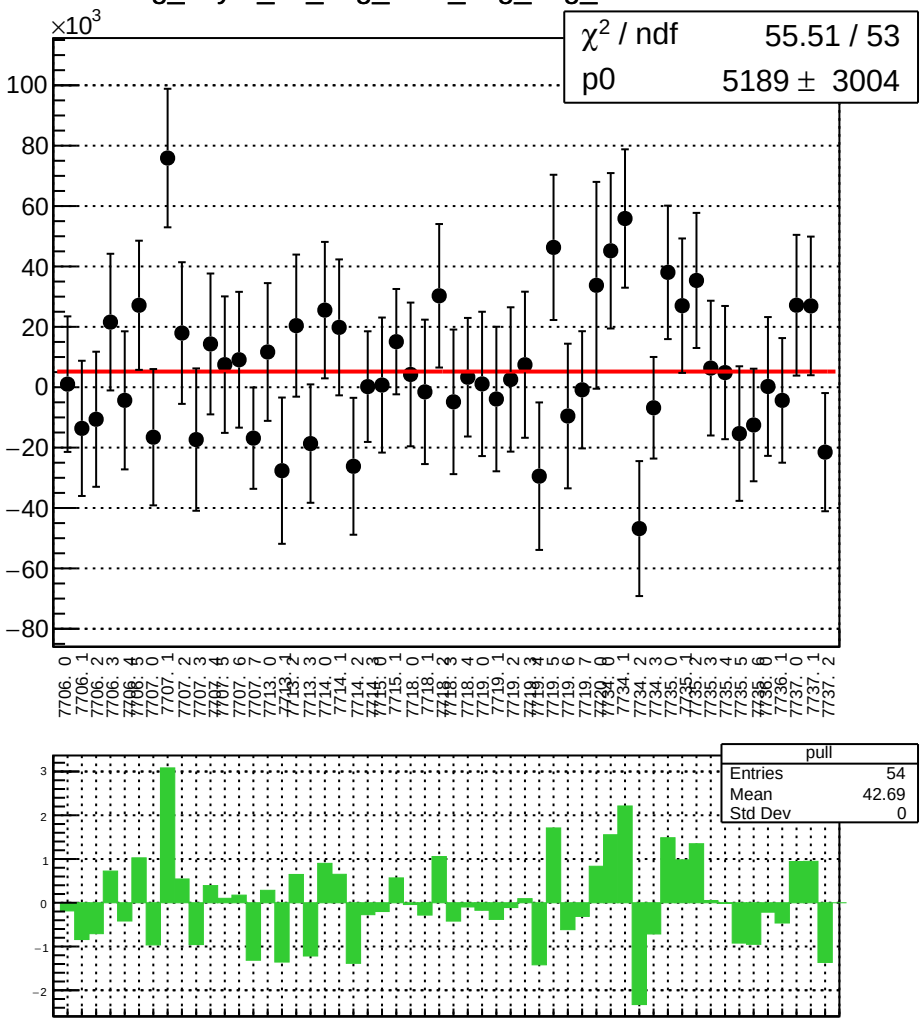

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.688e+05 / 53
p0 86.91 ± 0.09759
400
350
300
250
200
150
100
50

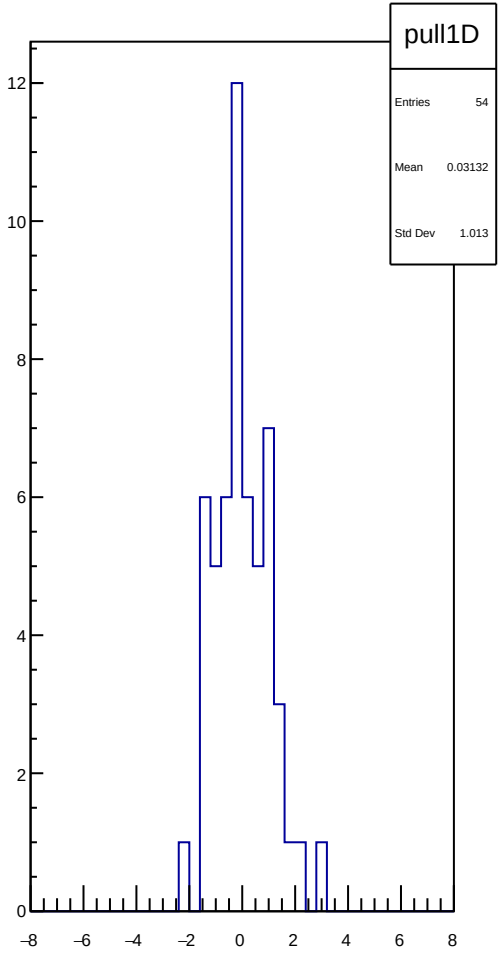

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.37 / 53
p0 −0.1876 ± 0.138
pull
Entries 54
Mean 75.46
Std Dev 0
pull1D
Entries 54
Mean 0.03869
Std Dev 1.048

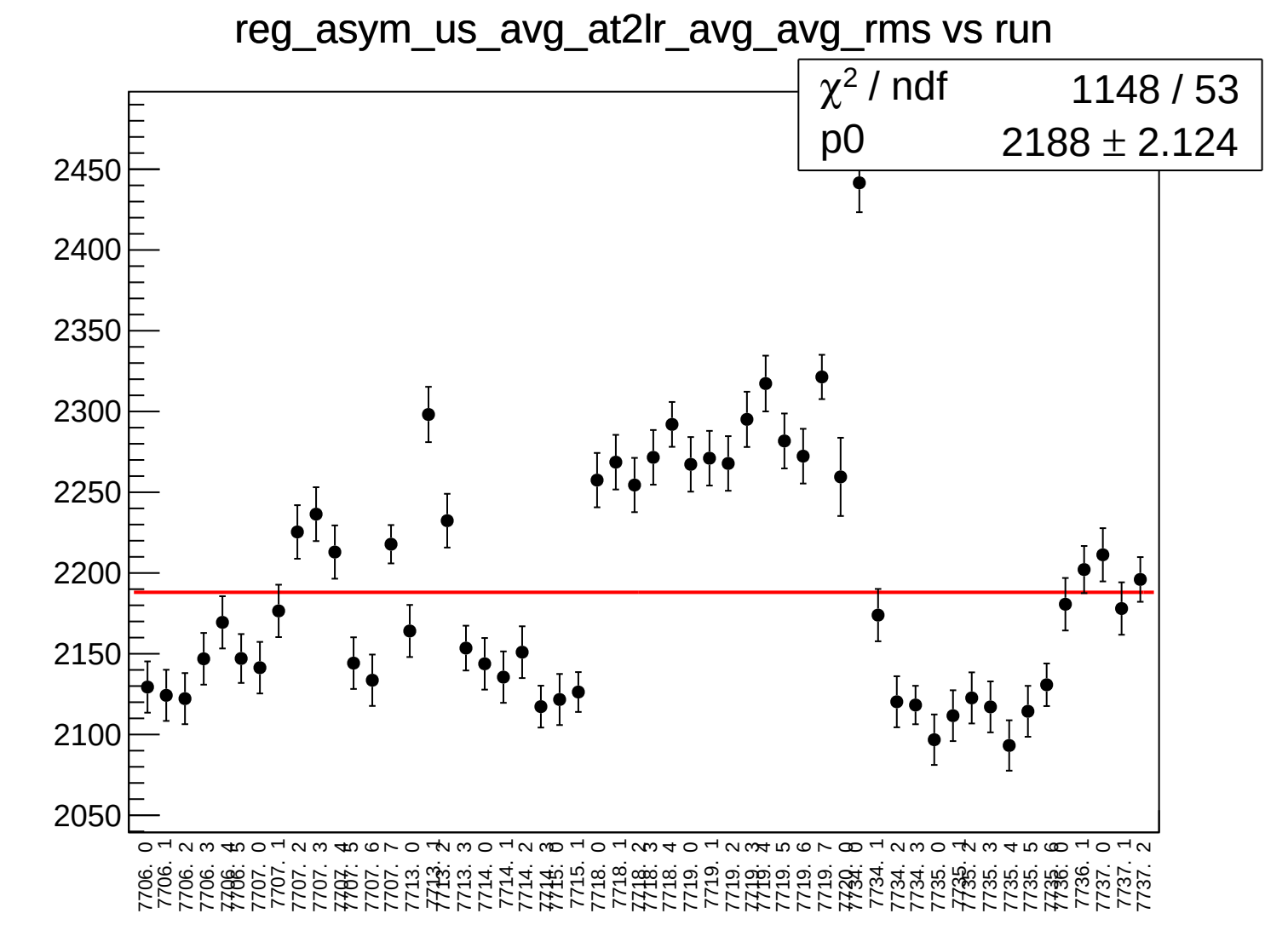

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.688e+05 / 53
p0 86.91 ± 0.09759
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

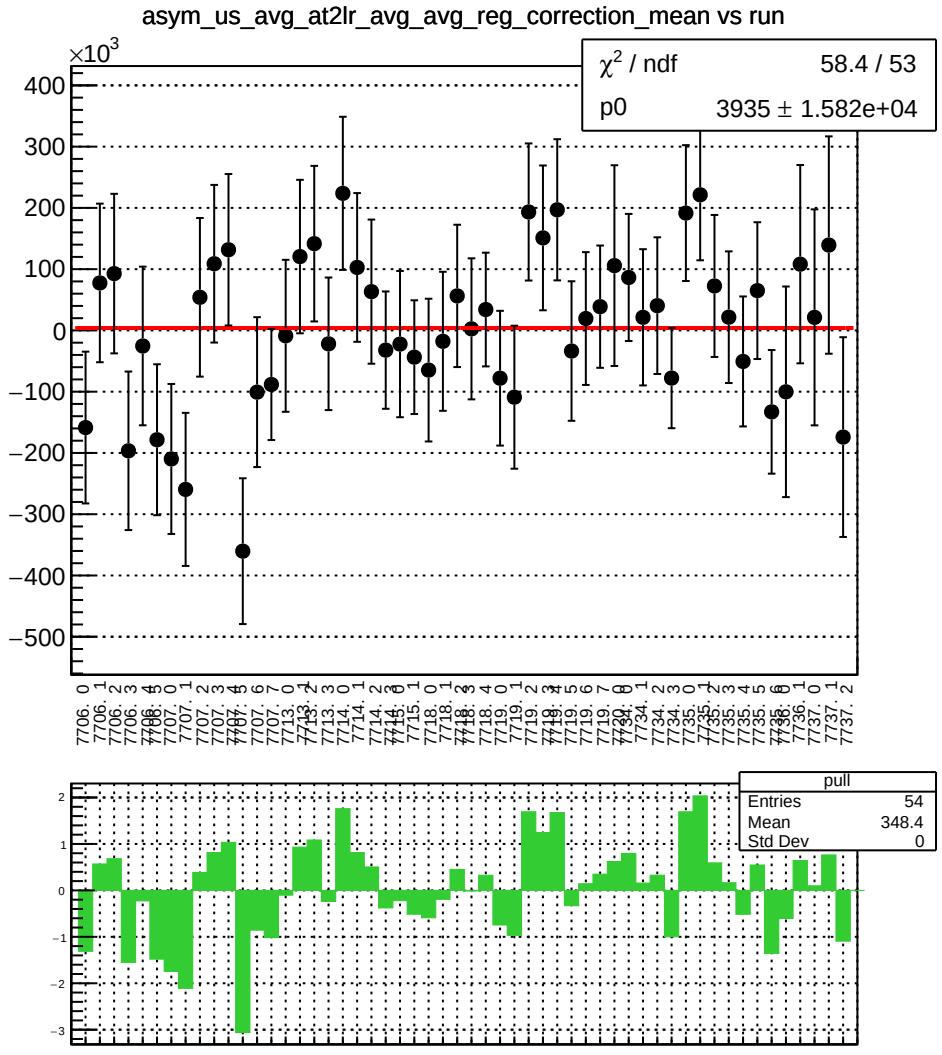

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.33 / 53
p0 3.624e−15 ± 6.06e−14
pull
Entries 54
Mean 13.97
Std Dev 11.95
pull1D
Entries 54
Mean 0.03418
Std Dev 1.021

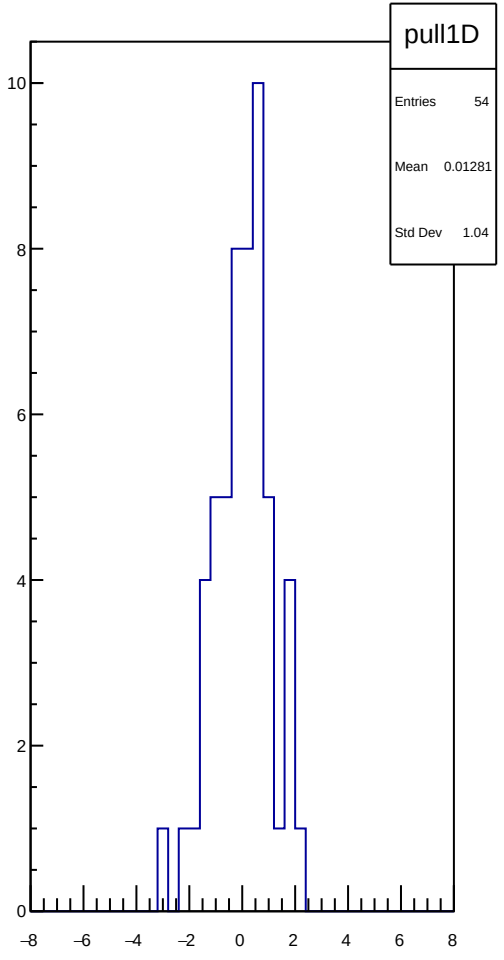

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.953e+05 / 53
p0 2.927e−11 ± 4.285e−14
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

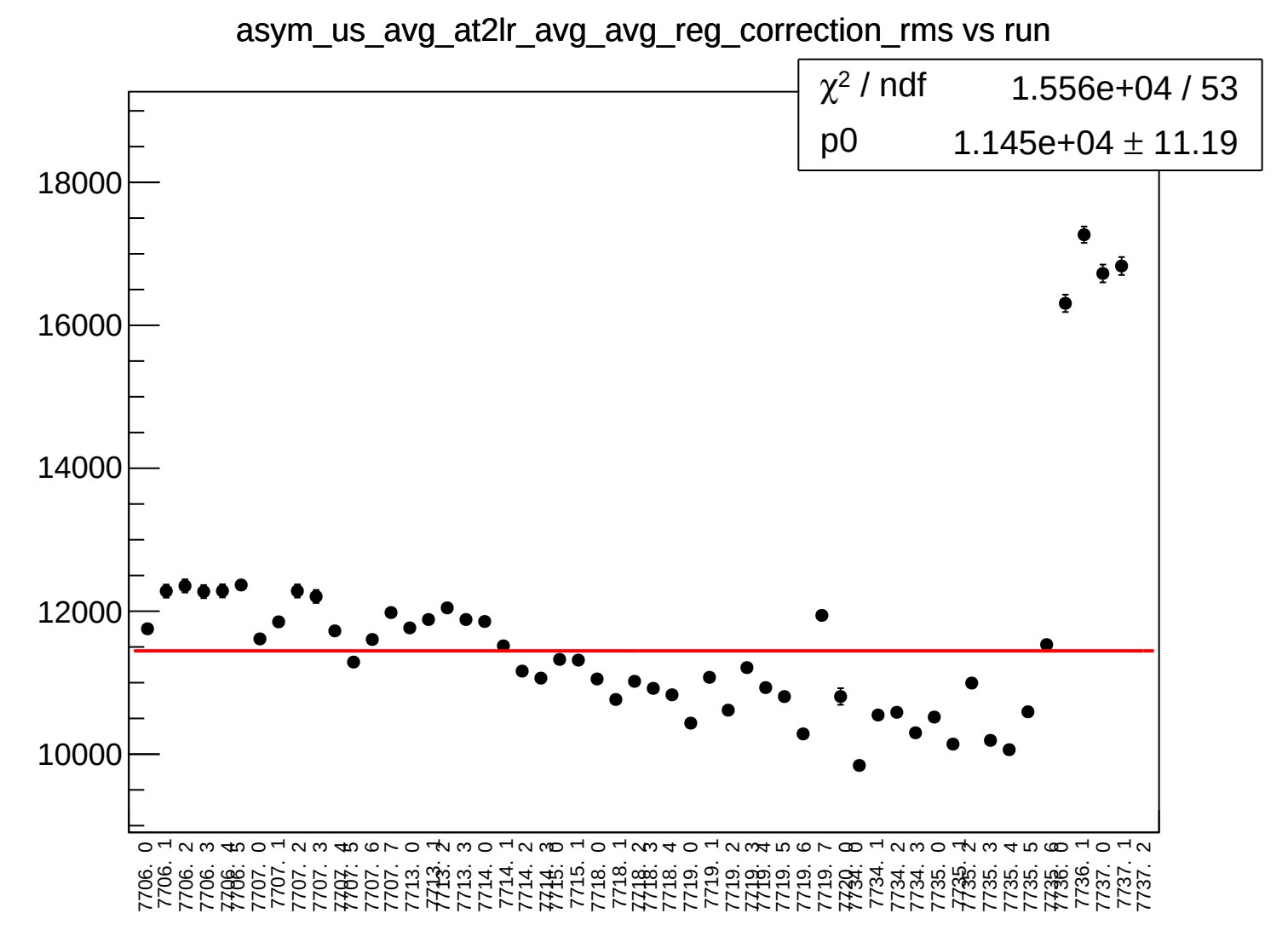

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 55.51 / 53
p0 5189 ± 3004
×10³
pull
Entries 54
Mean 42.69
Std Dev 0

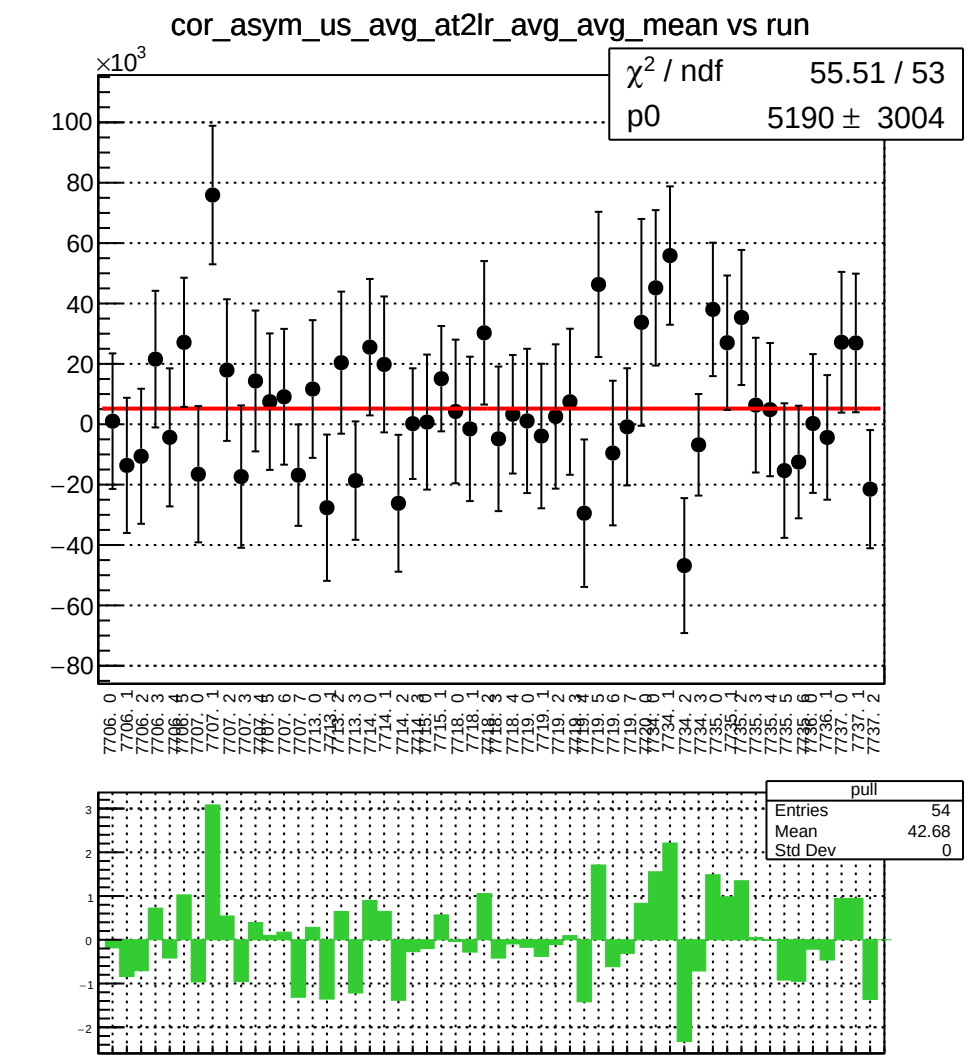

pull1D
Entries 54
Mean 0.03132
Std Dev 1.013

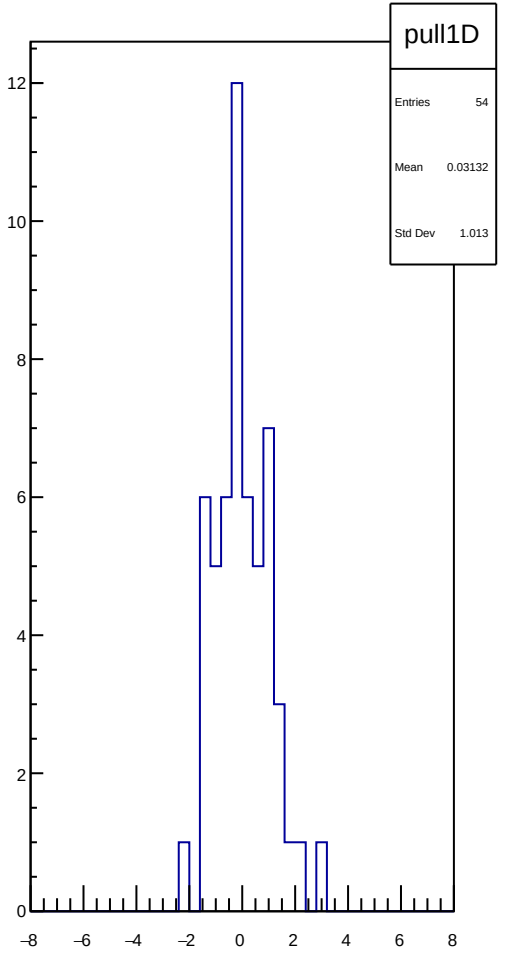

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1148 / 53
p0 2188 ± 2.124
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

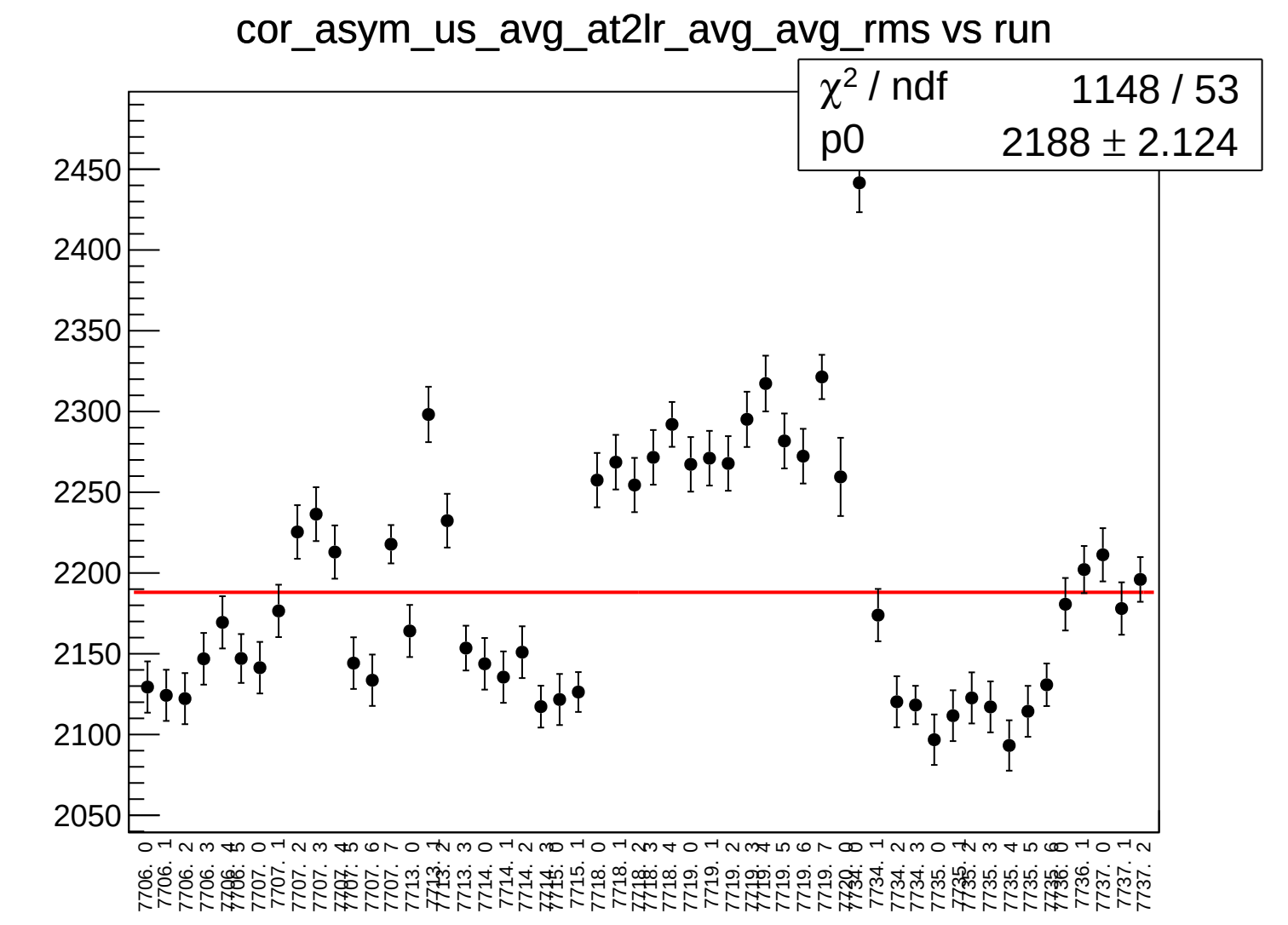

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.4 / 53
p0 3935 ± 1.582e+04
pull
Entries 54
Mean 348.4
Std Dev 0

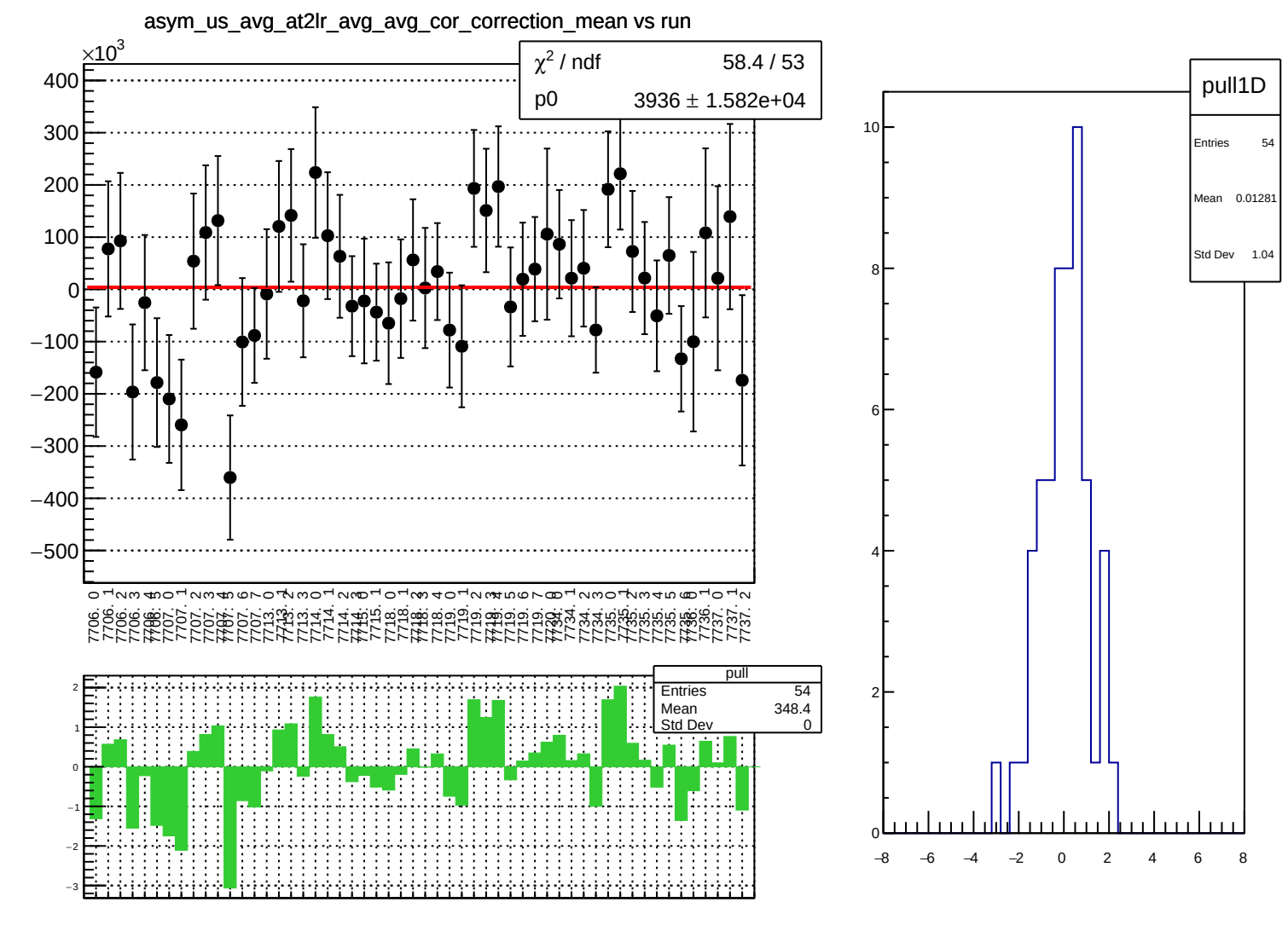

pull1D
Entries 54
Mean 0.01281
Std Dev 1.04

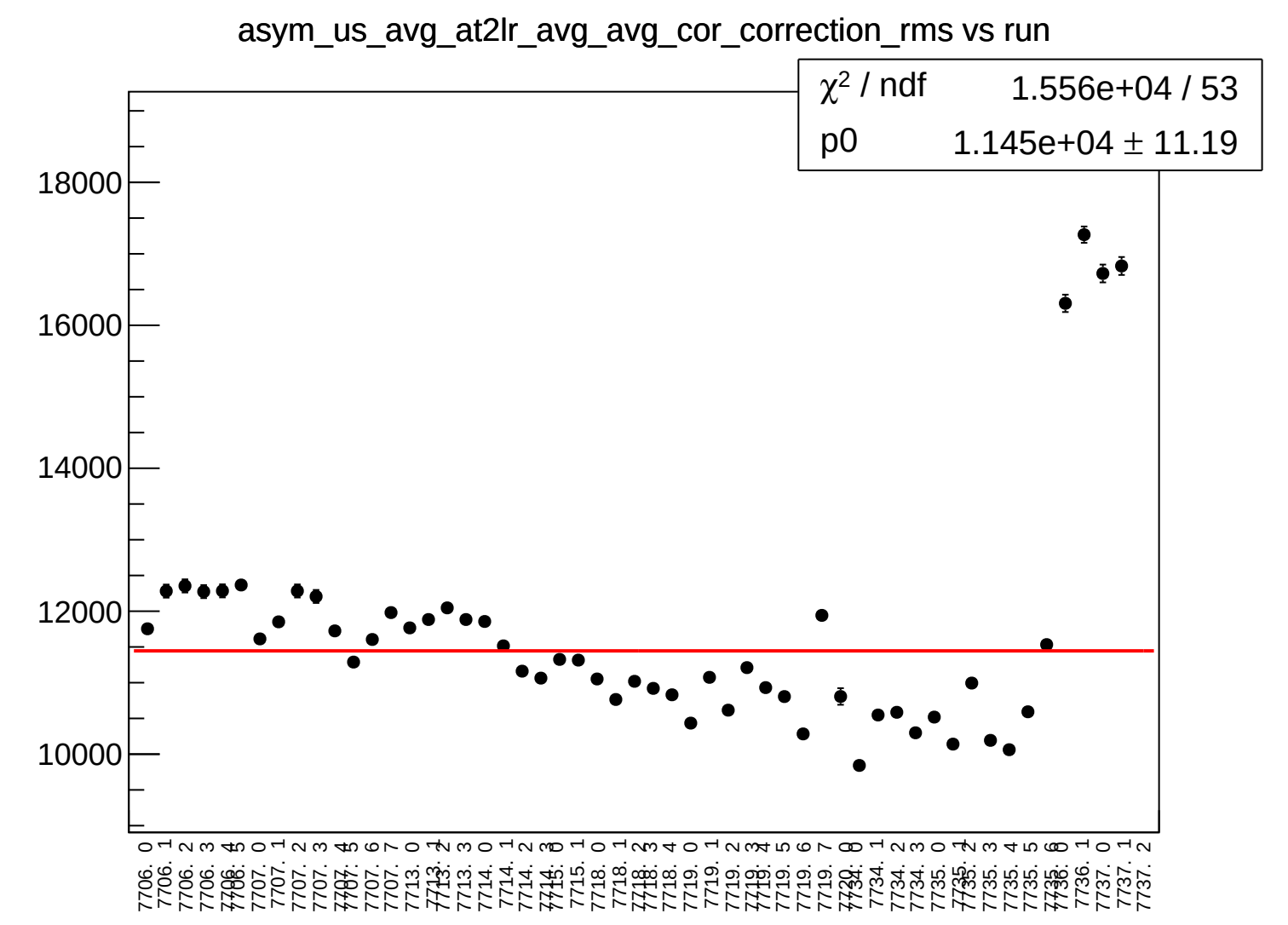

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.556e+04 / 53
p0 1.145e+04 ± 11.19
18000
16000
14000
12000
10000

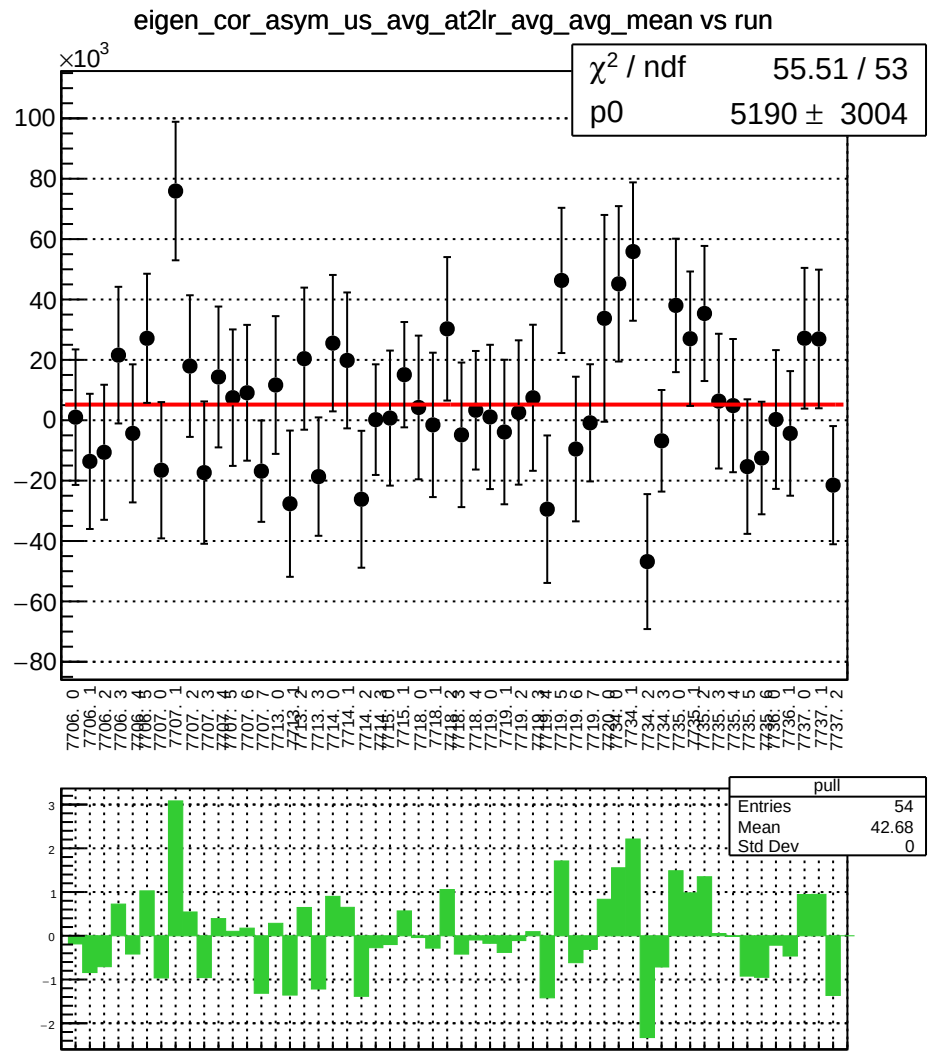

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 55.51 / 53
p0 5190 ± 3004
×10³
pull
Entries 54
Mean 42.68
Std Dev 0

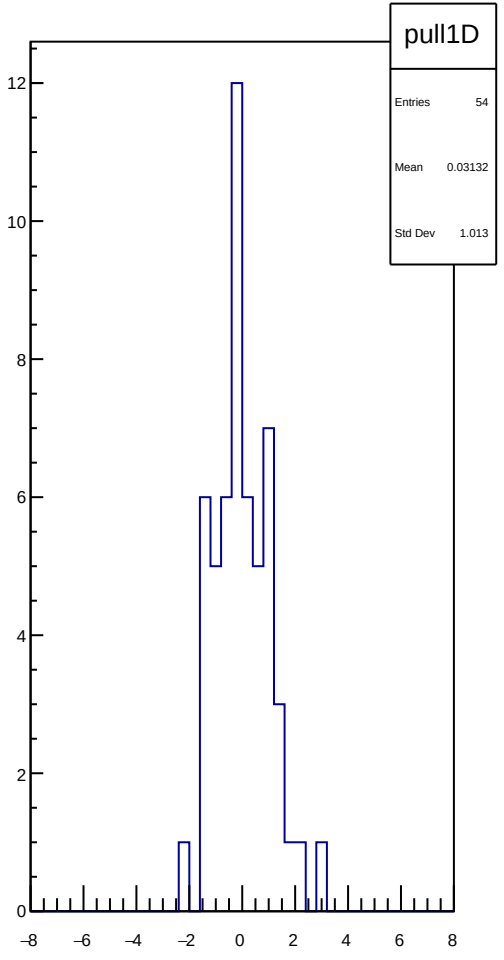

pull1D
Entries 54
Mean 0.03132
Std Dev 1.013

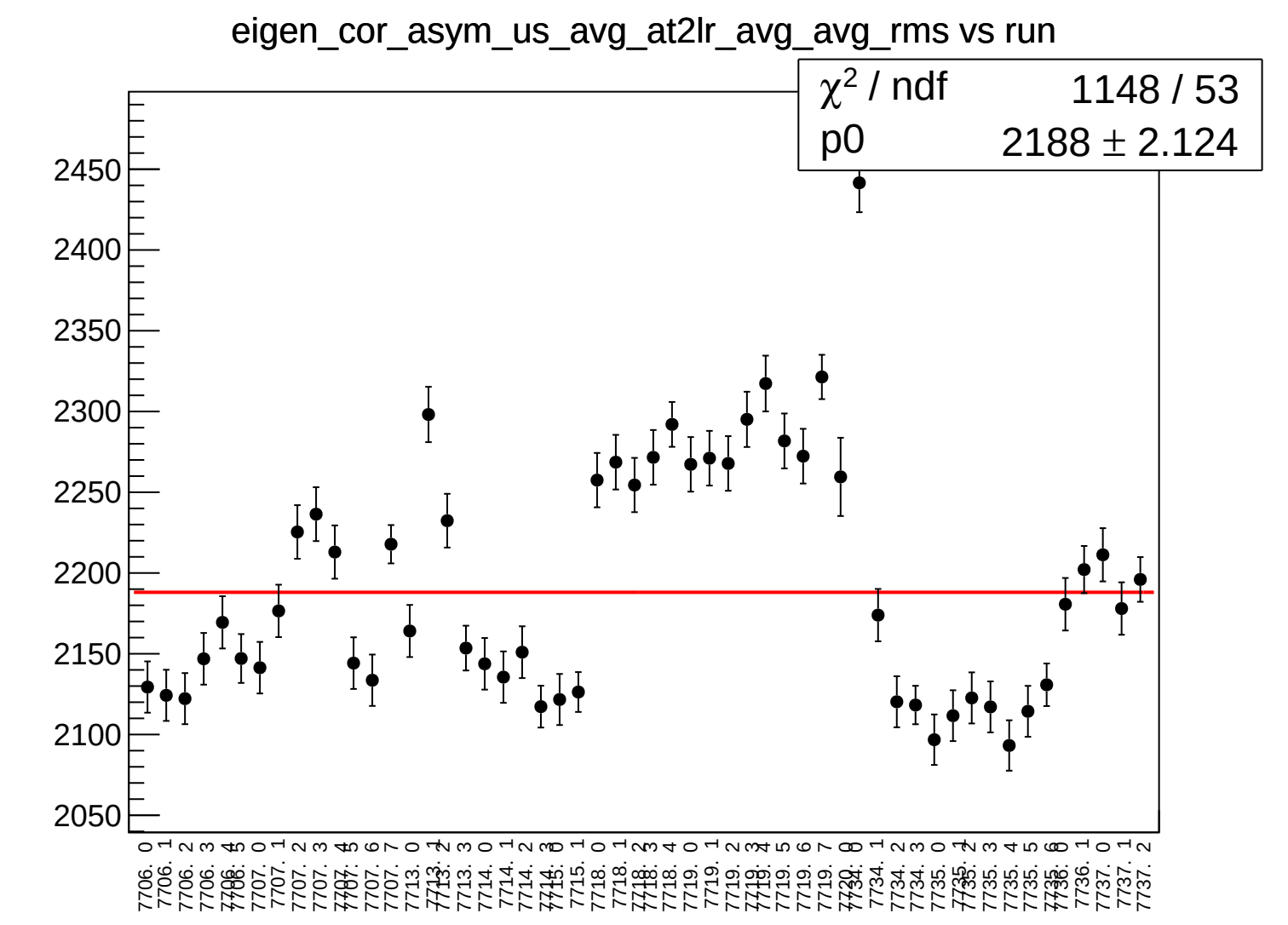

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1148 / 53
p0 2188 ± 2.124
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

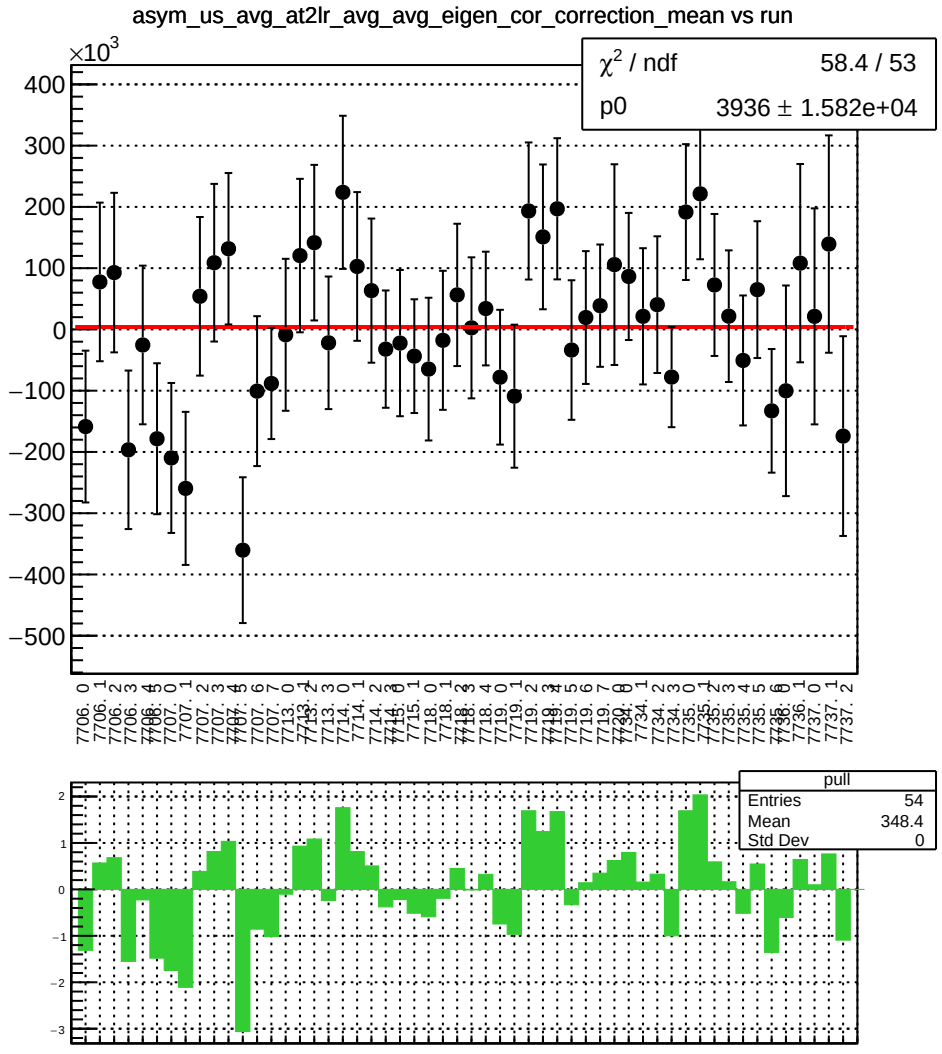

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 58.4 / 53
p0 3936 ± 1.582e+04
pull
Entries 54
Mean 348.4
Std Dev 0
pull1D
Entries 54
Mean 0.01281
Std Dev 1.04

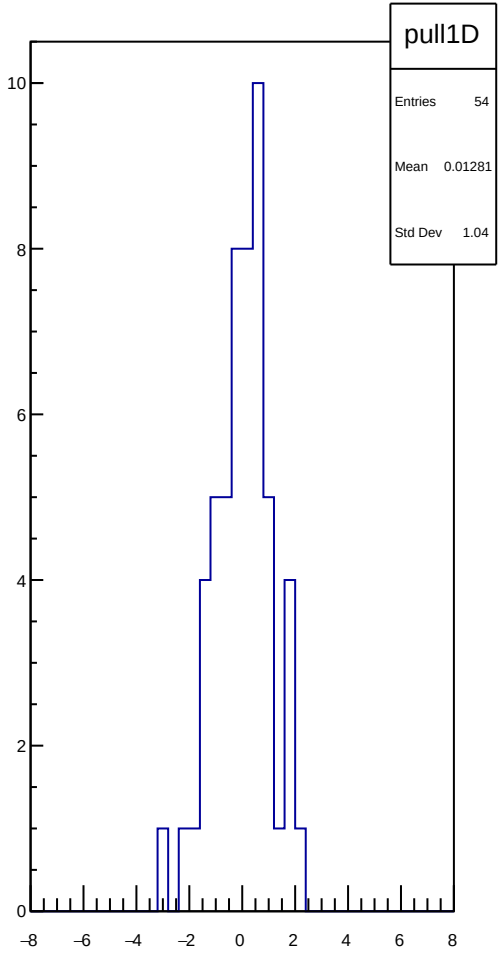

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.556e+04 / 53
p0 1.145e+04 ± 11.19
18000
16000
14000
12000
10000

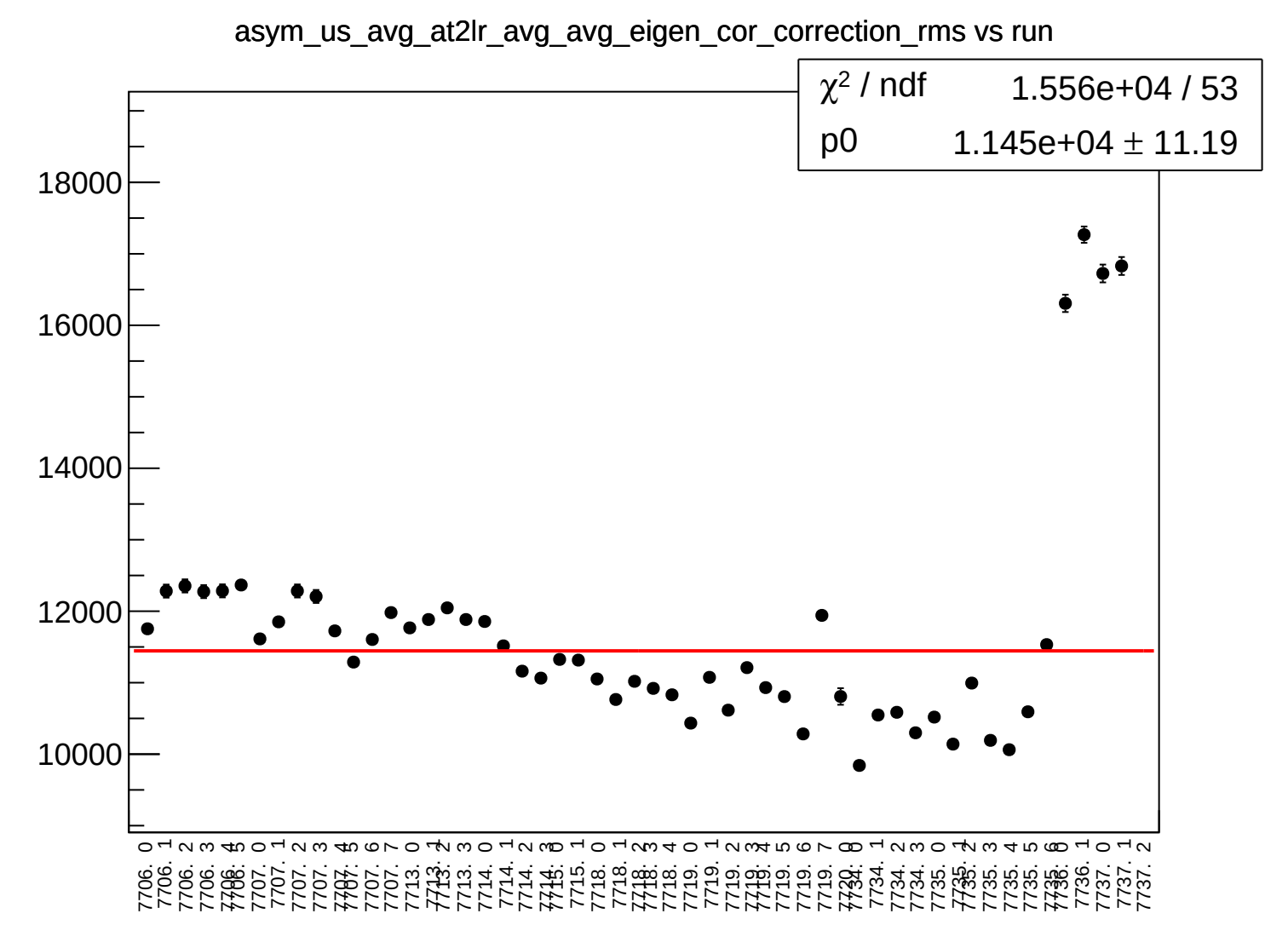

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 55.51 / 53
p0 5190 ± 3004
pull
Entries 54
Mean 42.68
Std Dev 0

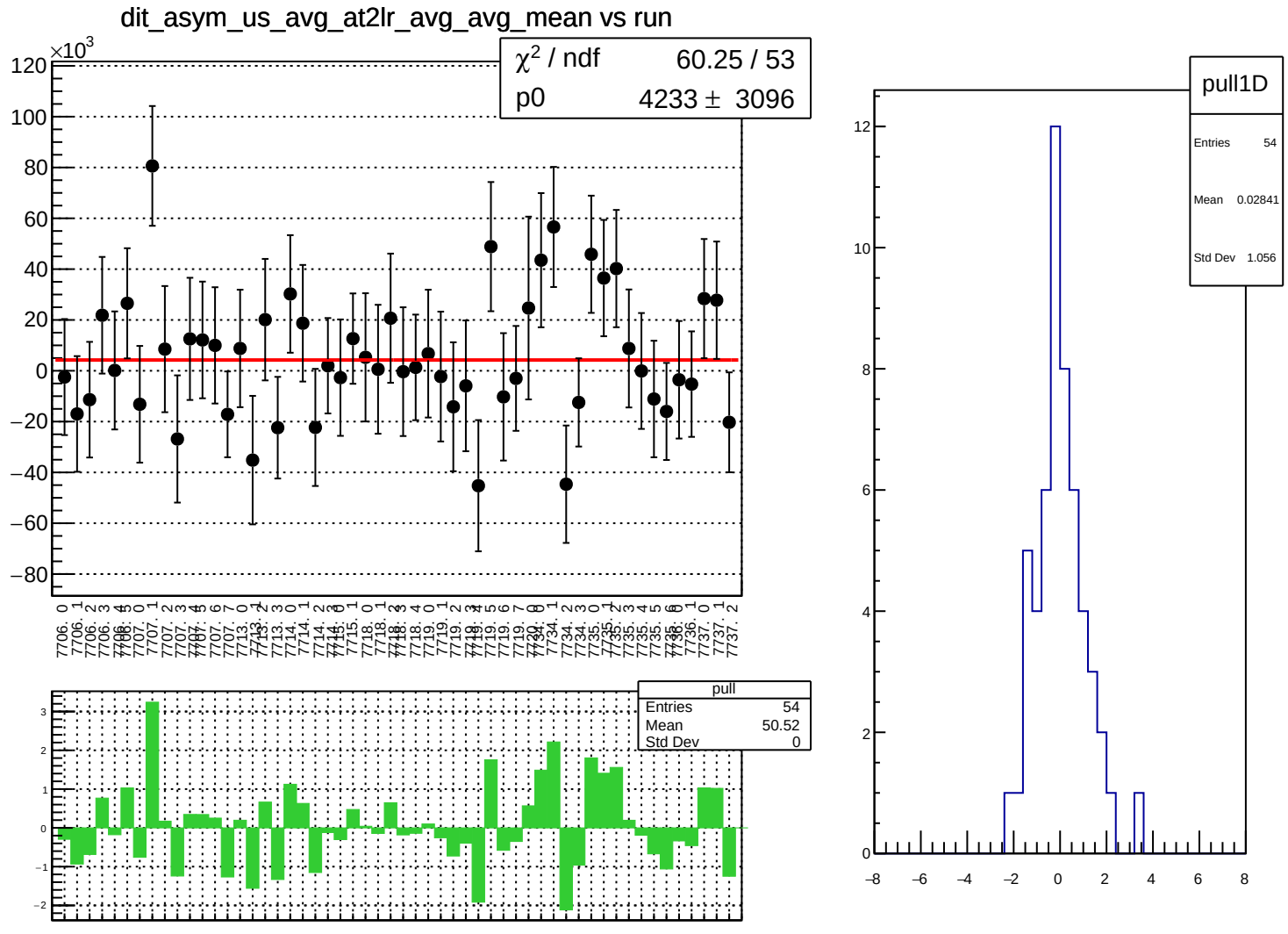

pull1D
Entries 54
Mean 0.03132
Std Dev 1.013

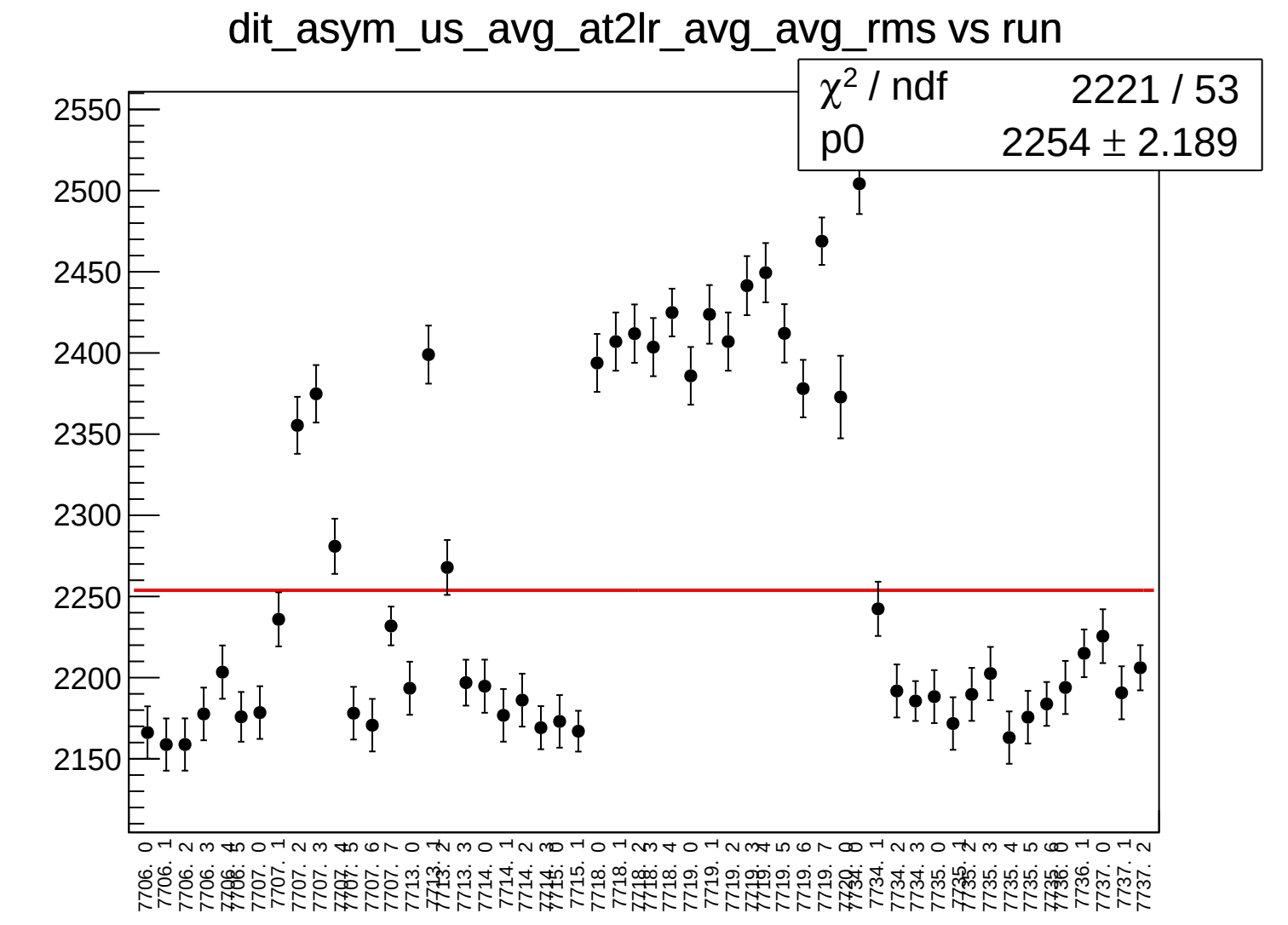

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1148 / 53
p0 2188 ± 2.124
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

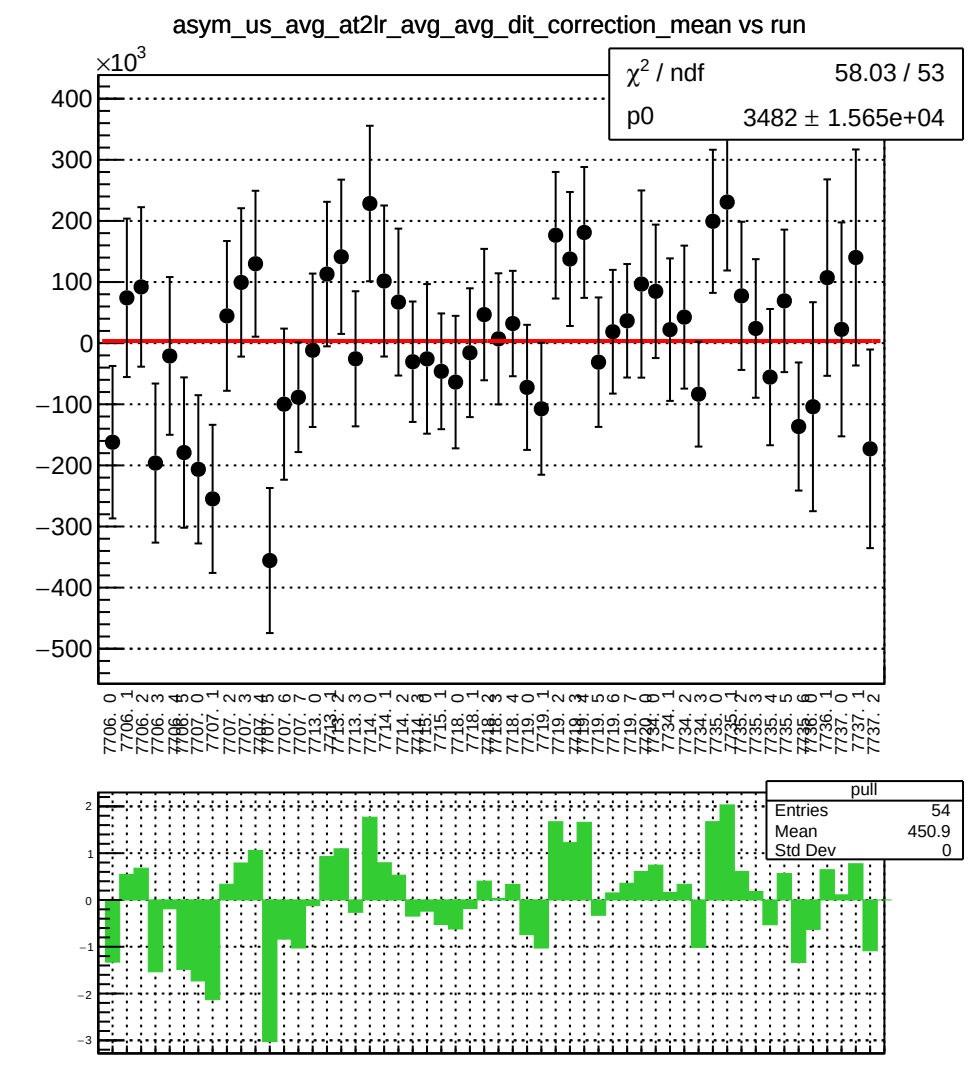

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.4 / 53
p0 3936 ± 1.582e+04
pull
Entries 54
Mean 348.4
Std Dev 0

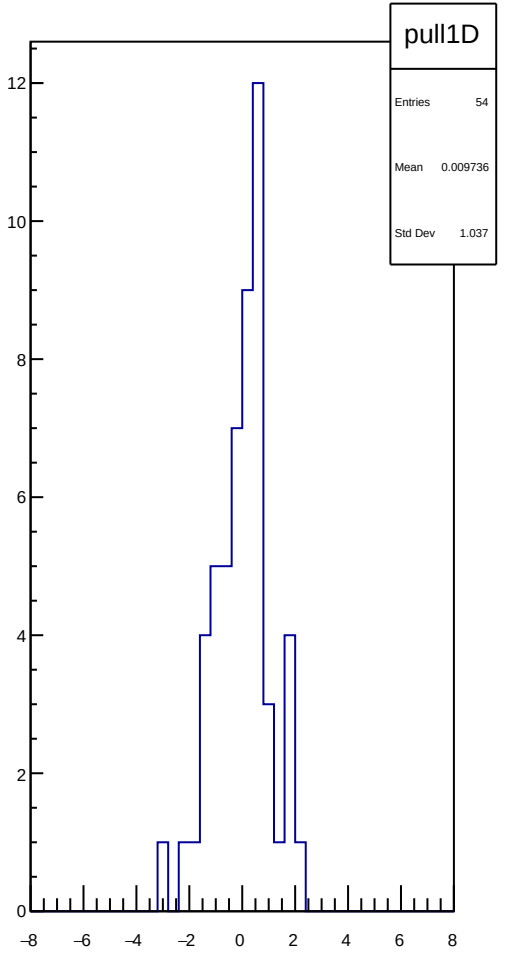

pull1D
Entries 54
Mean 0.01281
Std Dev 1.04

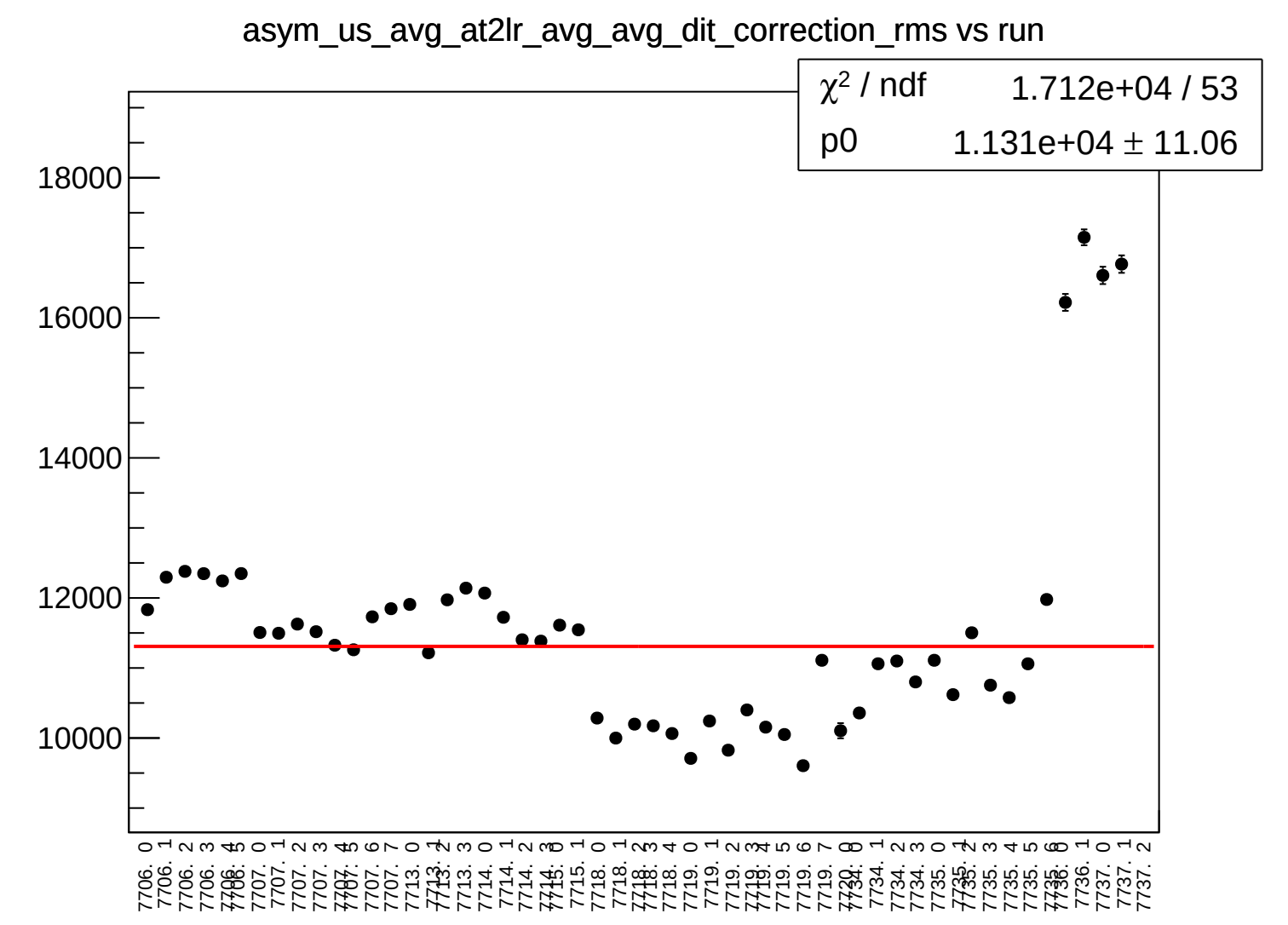

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.556e+04 / 53
p0 1.145e+04 ± 11.19
18000
16000
14000
12000
10000

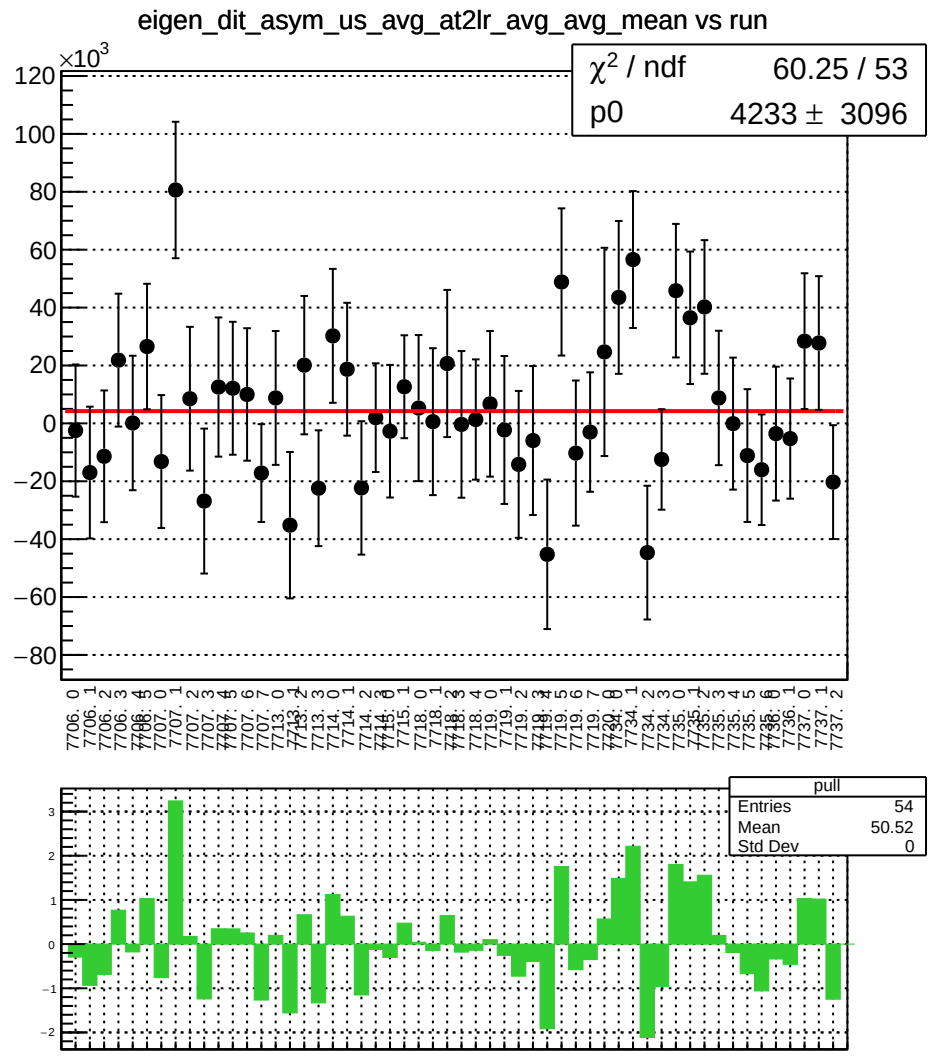

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 60.25 / 53
p0 4233 ± 3096
pull
Entries 54
Mean 50.52
Std Dev 0
pull1D
Entries 54
Mean 0.02841
Std Dev 1.056

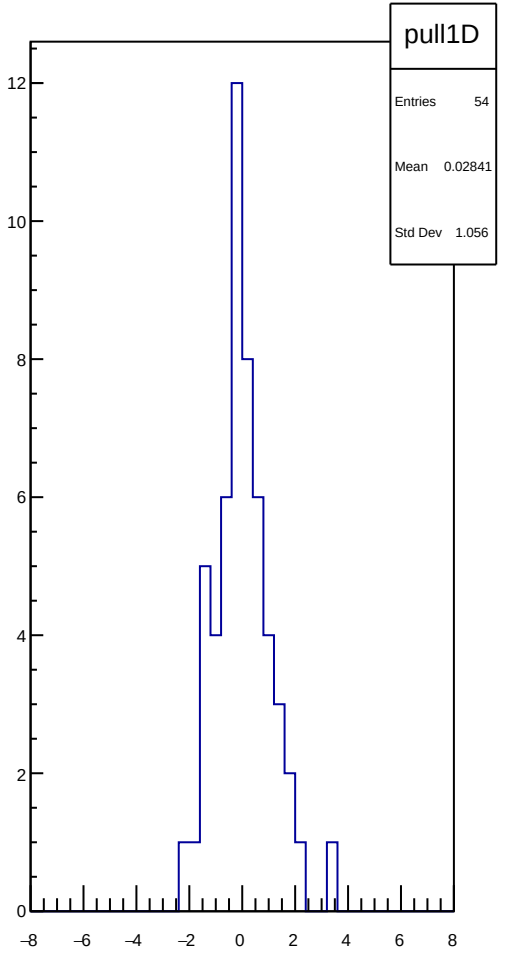

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2221 / 53
p0 2254 ± 2.189
2550
2500
2450
2400
2350
2300
2250
2200
2150

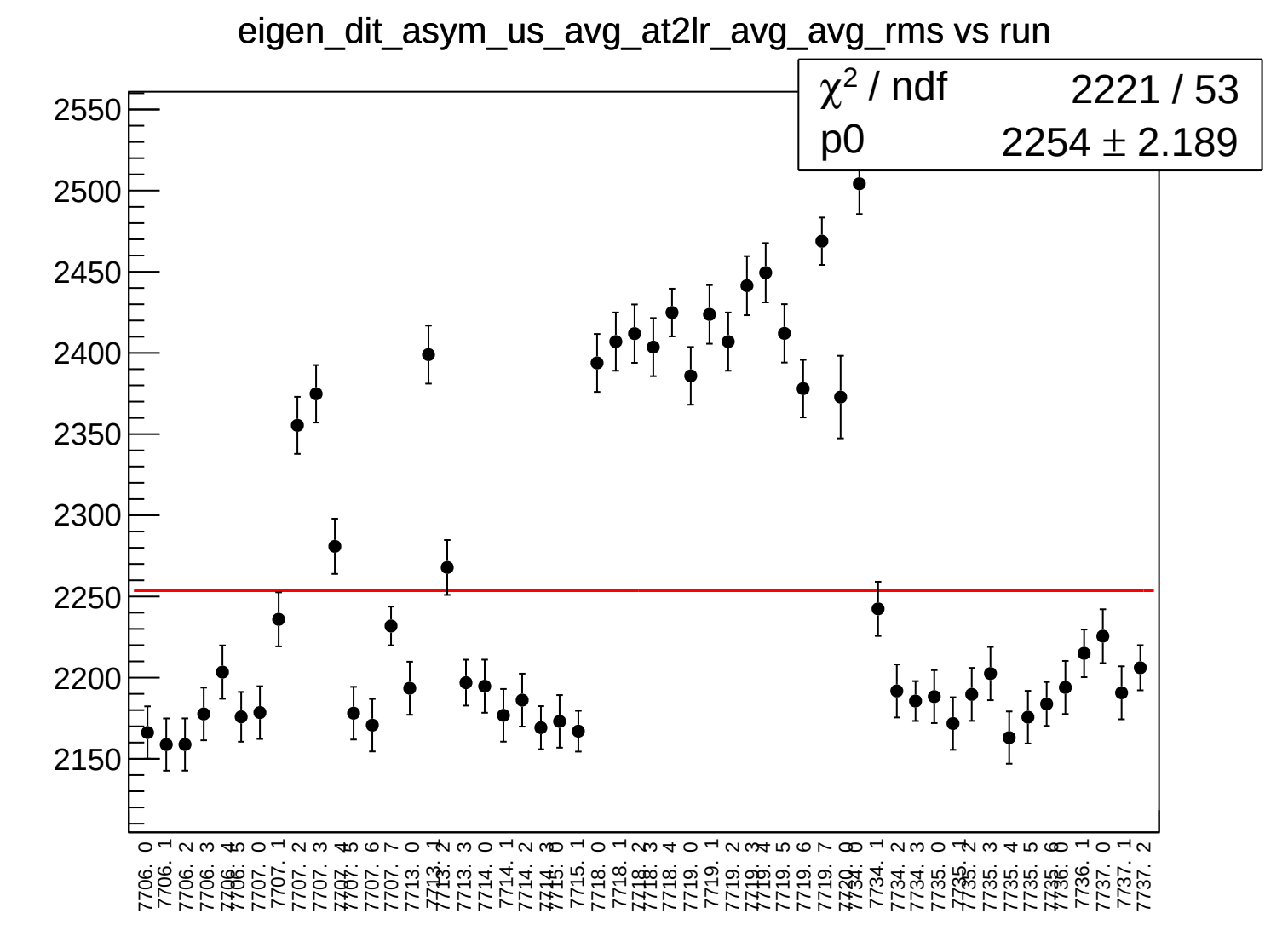

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.03 / 53
p0 3482 ± 1.565e+04
pull
Entries 54
Mean 450.9
Std Dev 0

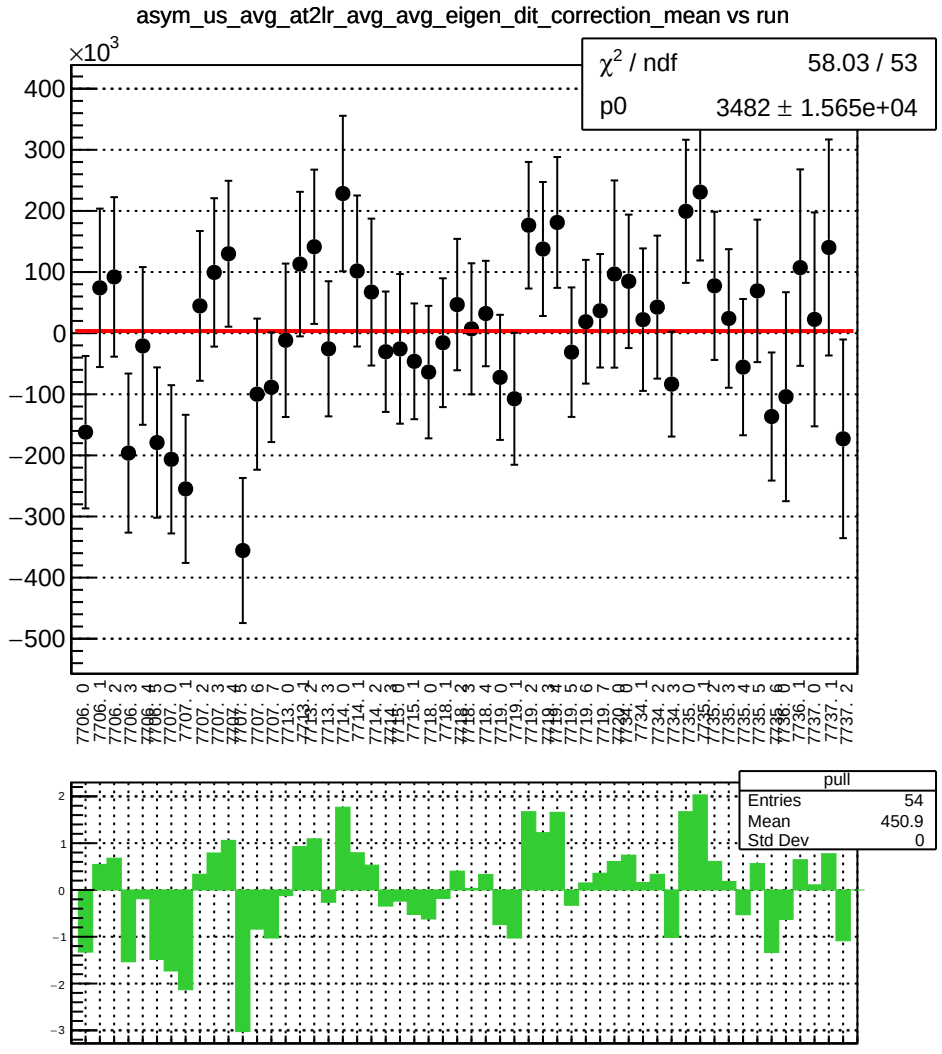

pull1D
Entries 54
Mean 0.009736
Std Dev 1.037

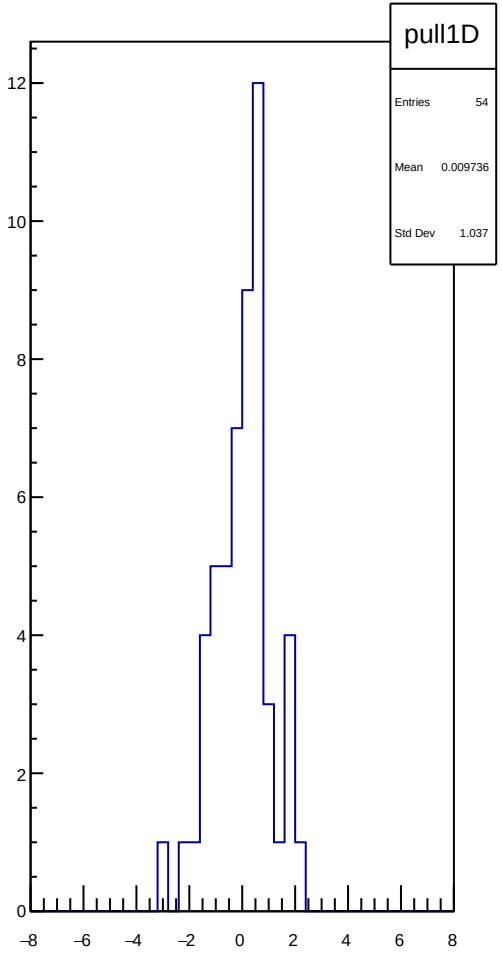

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.712e+04 / 53
p0 1.131e+04 ± 11.06
18000
16000
14000
12000
10000

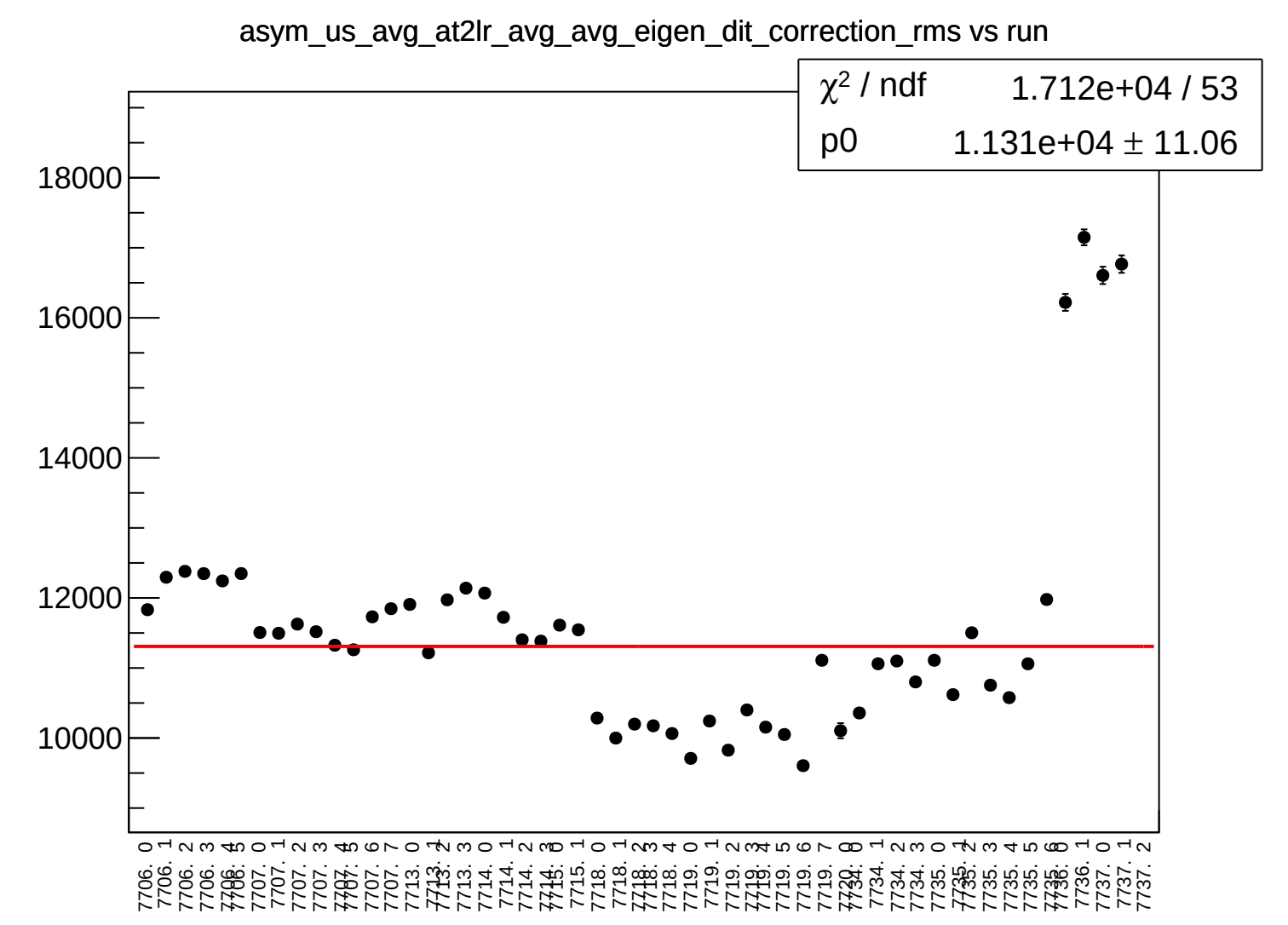

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 60.25 / 53
p0 4233 ± 3096
×10³
pull
Entries 54
Mean 50.52
Std Dev 0

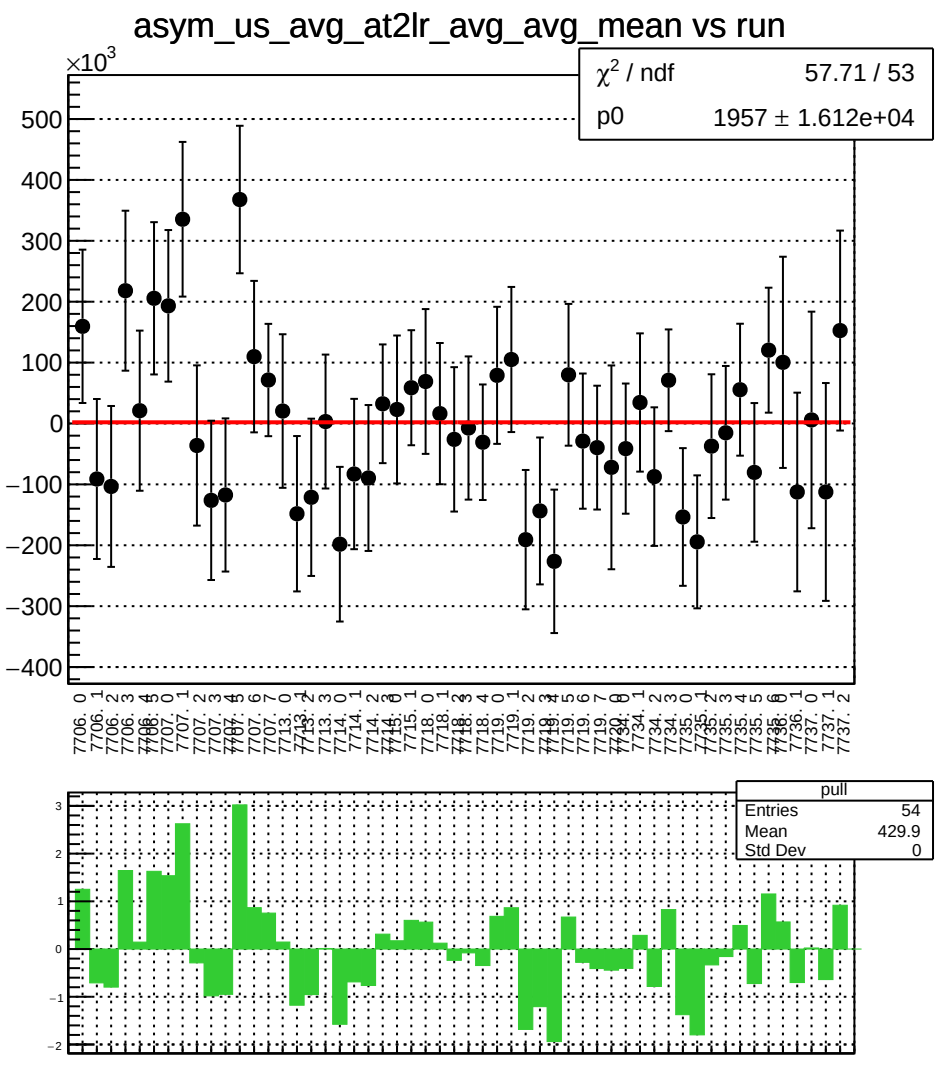

pull1D
Entries 54
Mean 0.02841
Std Dev 1.056

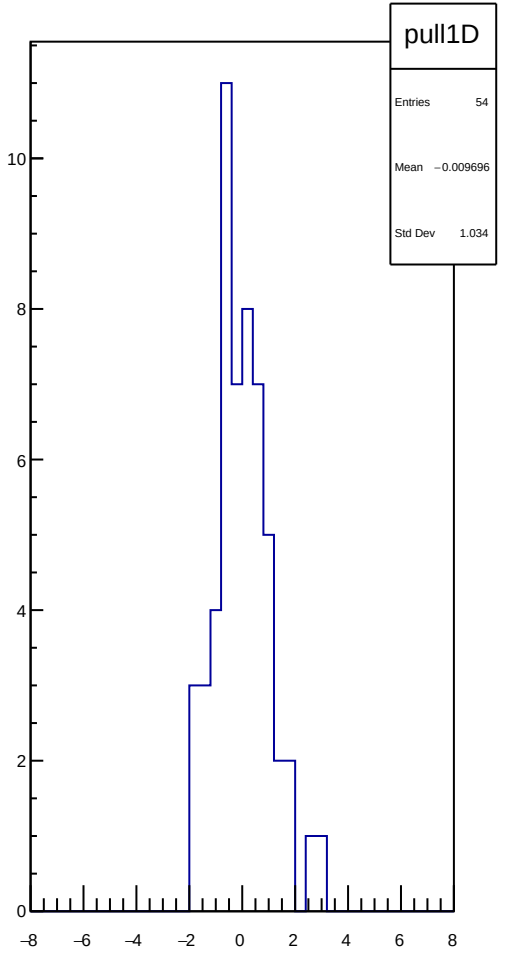

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2221 / 53
p0 2254 ± 2.189
2550
2500
2450
2400
2350
2300
2250
2200
2150

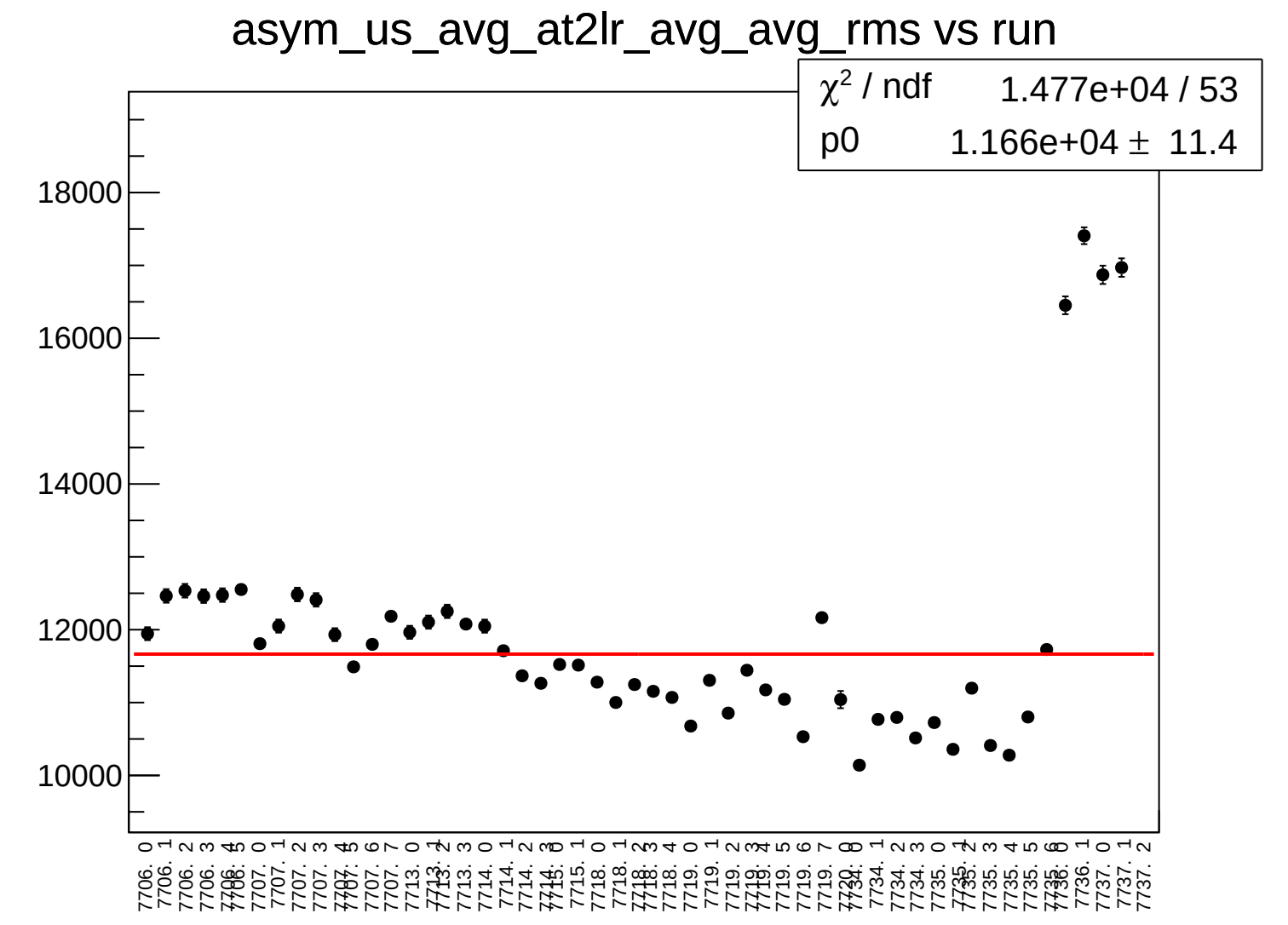

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.03 / 53
p0 3482 ± 1.565e+04
pull
Entries 54
Mean 450.9
Std Dev 0

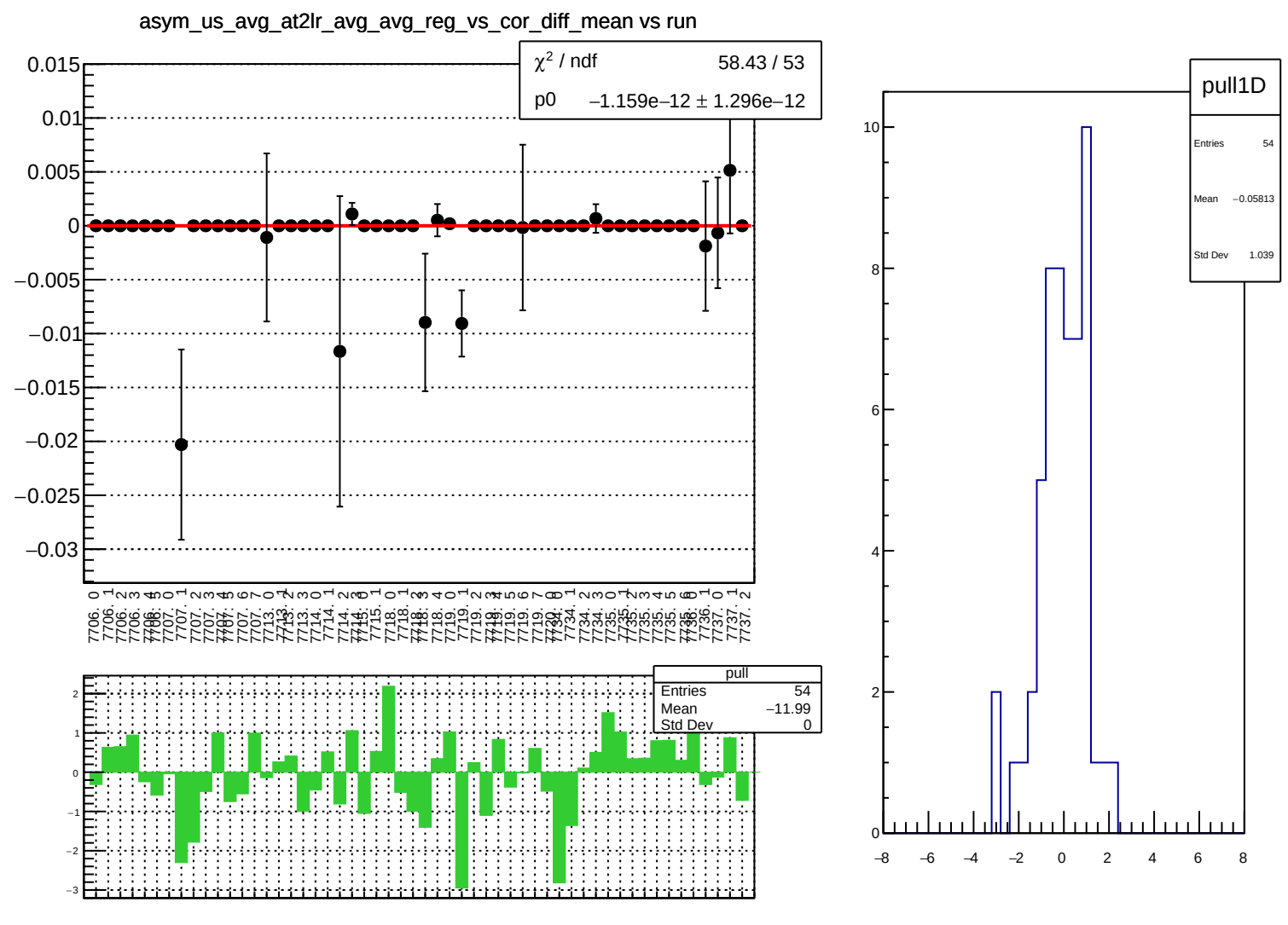

pull1D
Entries 54
Mean 0.009736
Std Dev 1.037

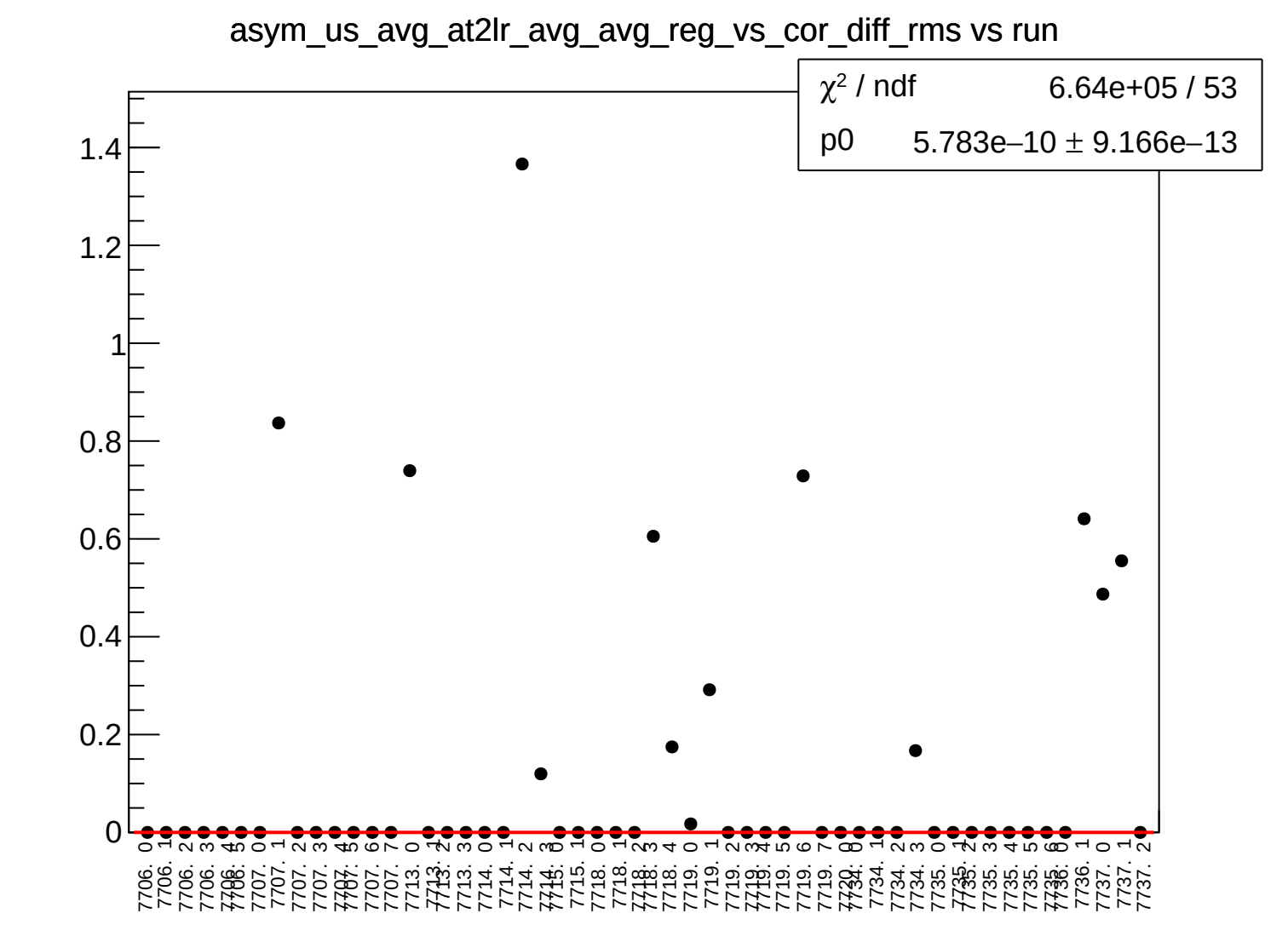

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.712e+04 / 53
p0 1.131e+04 ± 11.06
18000
16000
14000
12000
10000

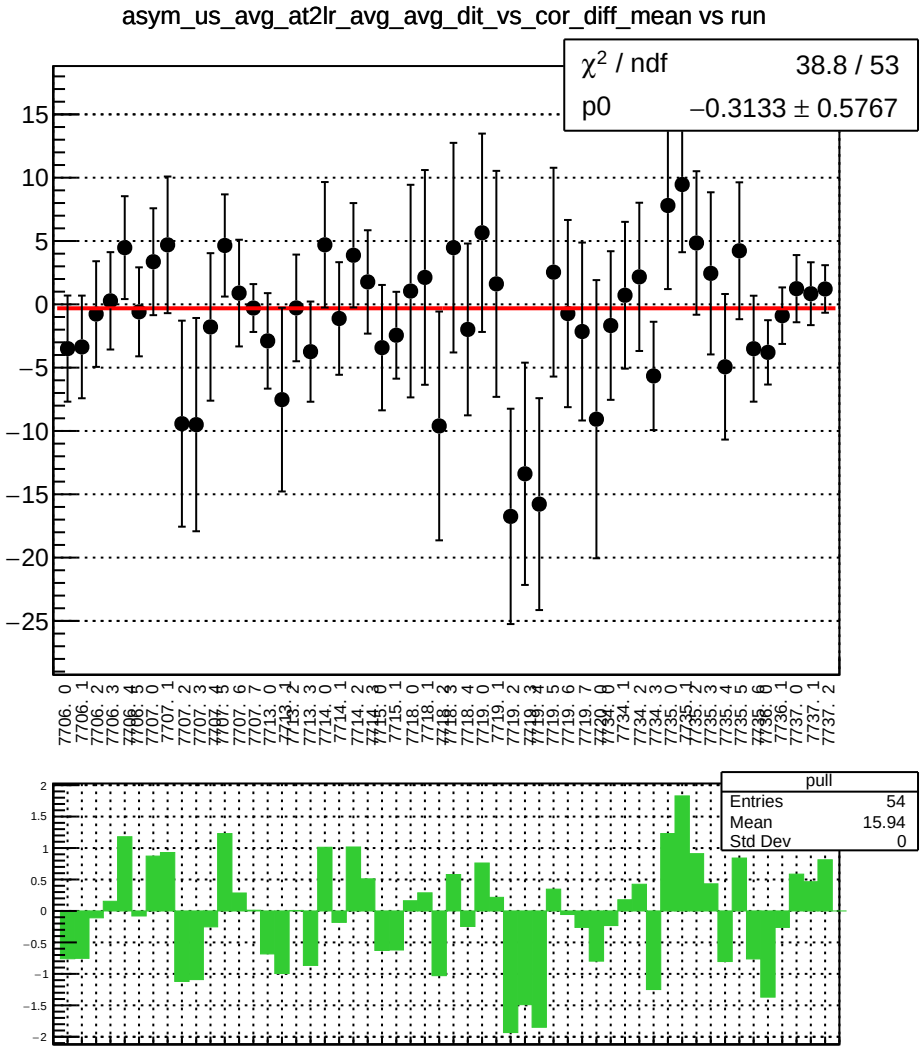

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 57.71 / 53
p0 1957 ± 1.612e+04
pull
Entries 54
Mean 429.9
Std Dev 0

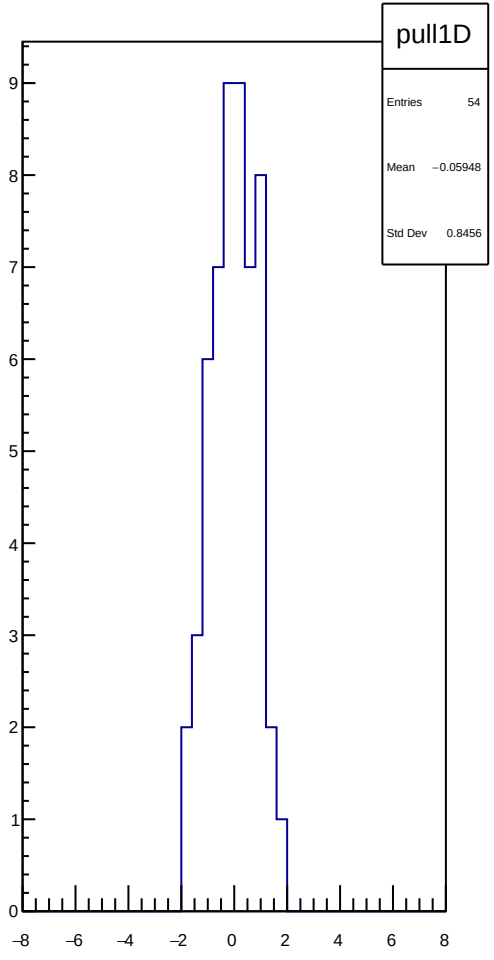

pull1D
Entries 54
Mean −0.009696
Std Dev 1.034

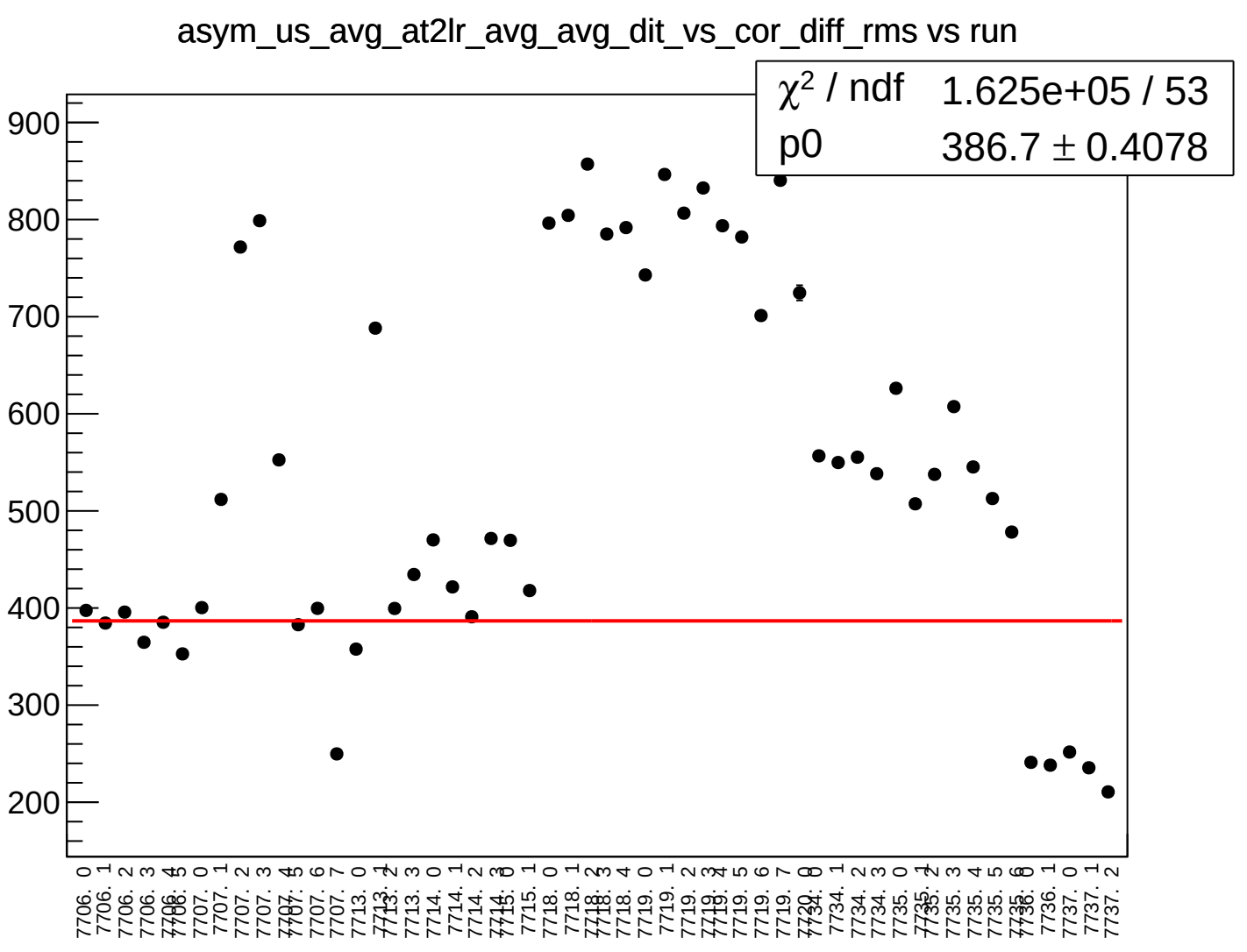

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.477e+04 / 53
p0 1.166e+04 ± 11.4
18000
16000
14000
12000
10000

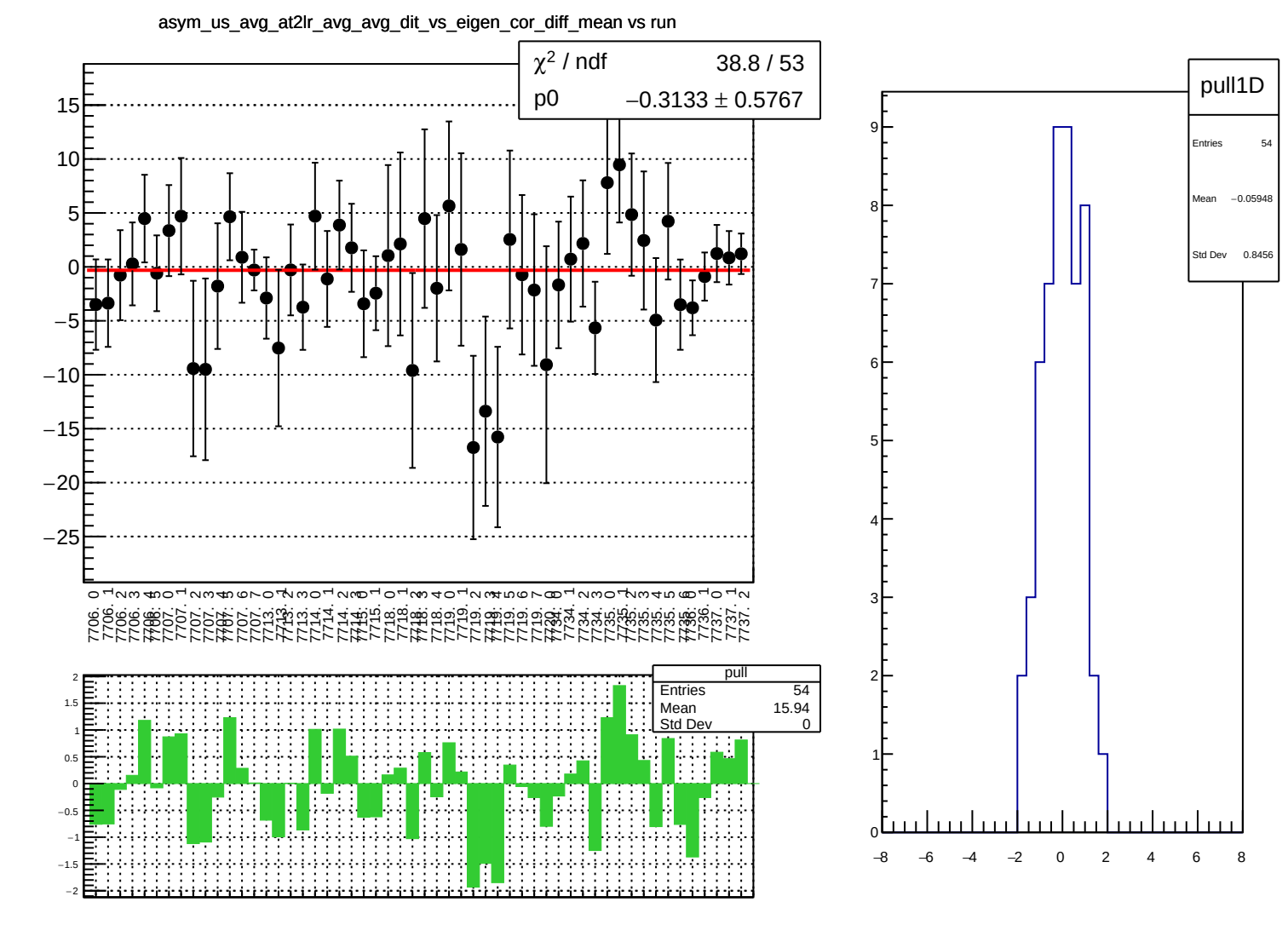

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.43 / 53
p0 −1.159e−12 ± 1.296e−12
pull
Entries 54
Mean −11.99
Std Dev 0
pull1D
Entries 54
Mean −0.05813
Std Dev 1.039

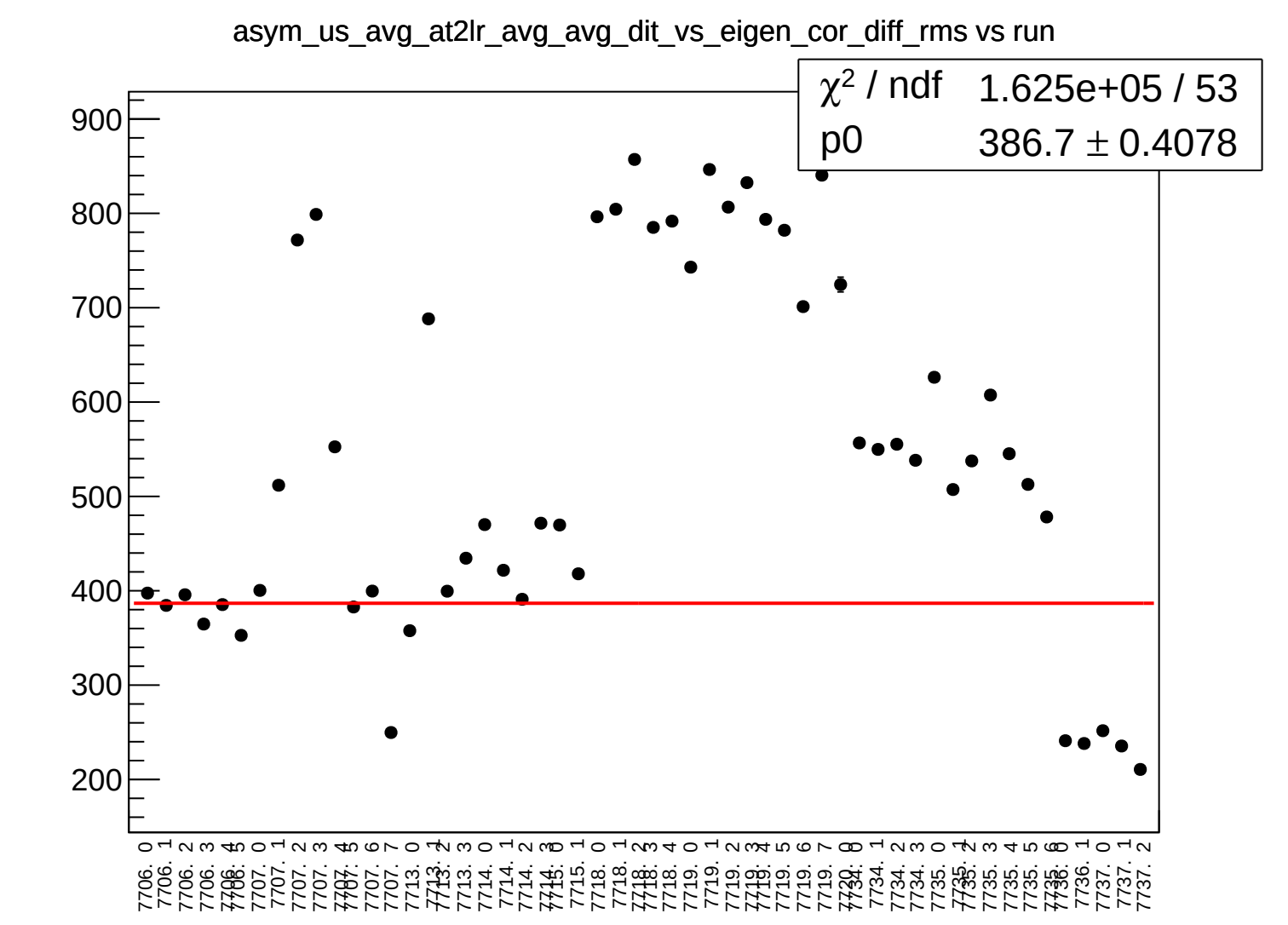

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.64e+05 / 53
p0 5.783e−10 ± 9.166e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

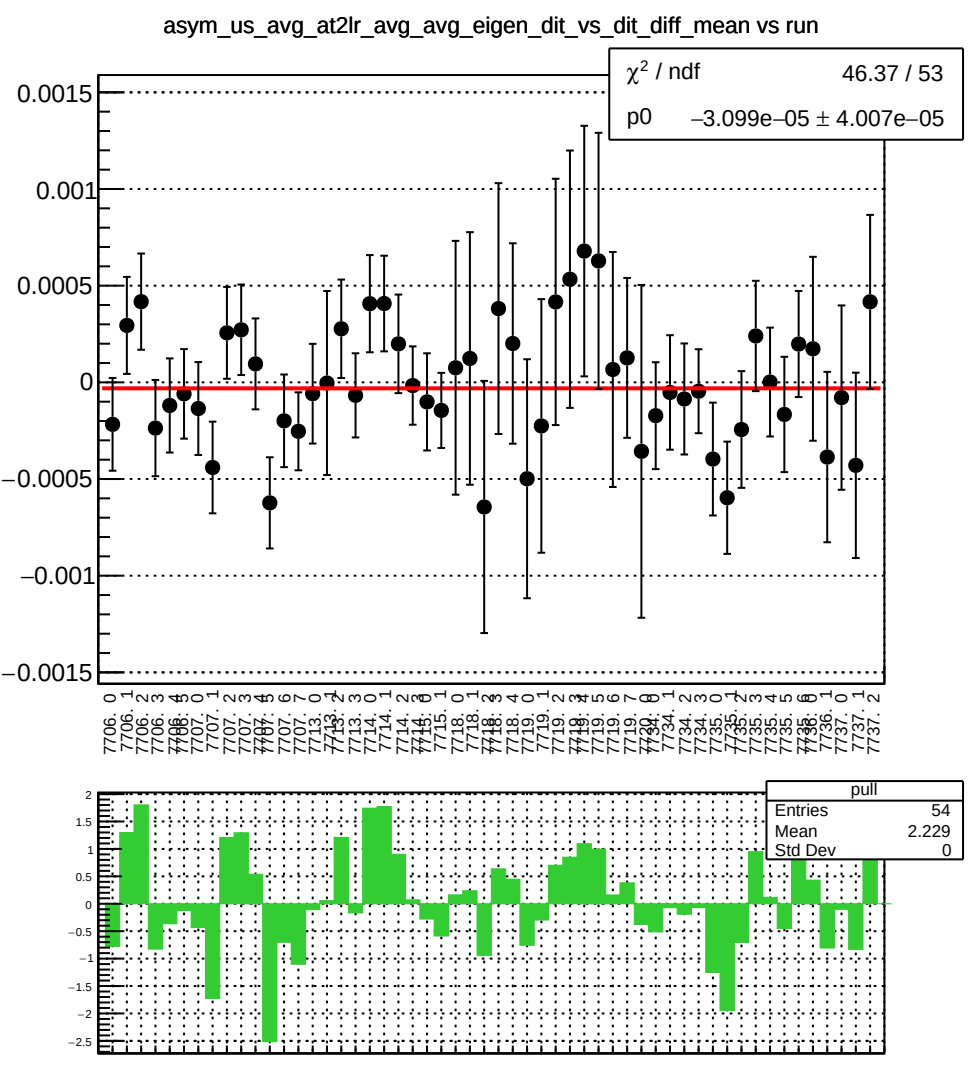

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.8 / 53
p0 −0.3133 ± 0.5767
pull
Entries 54
Mean 15.94
Std Dev 0

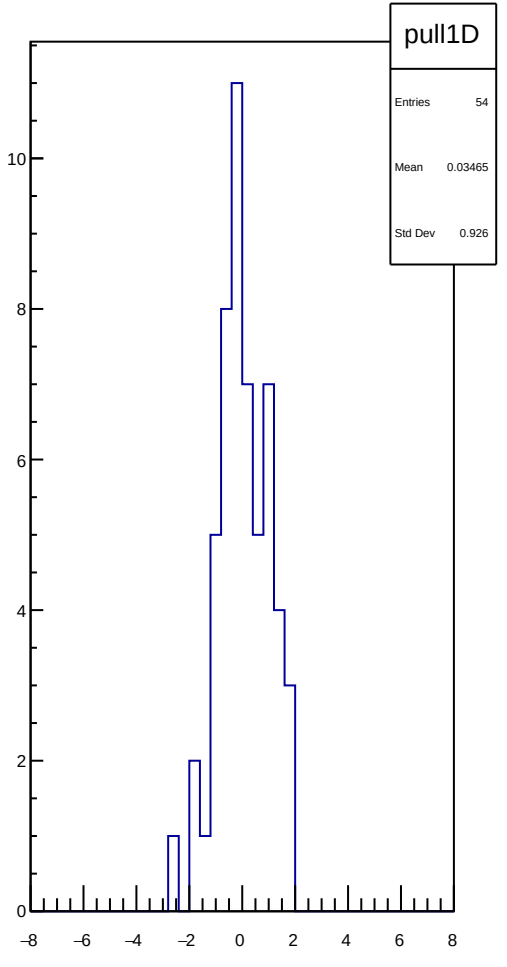

pull1D
Entries 54
Mean −0.05948
Std Dev 0.8456

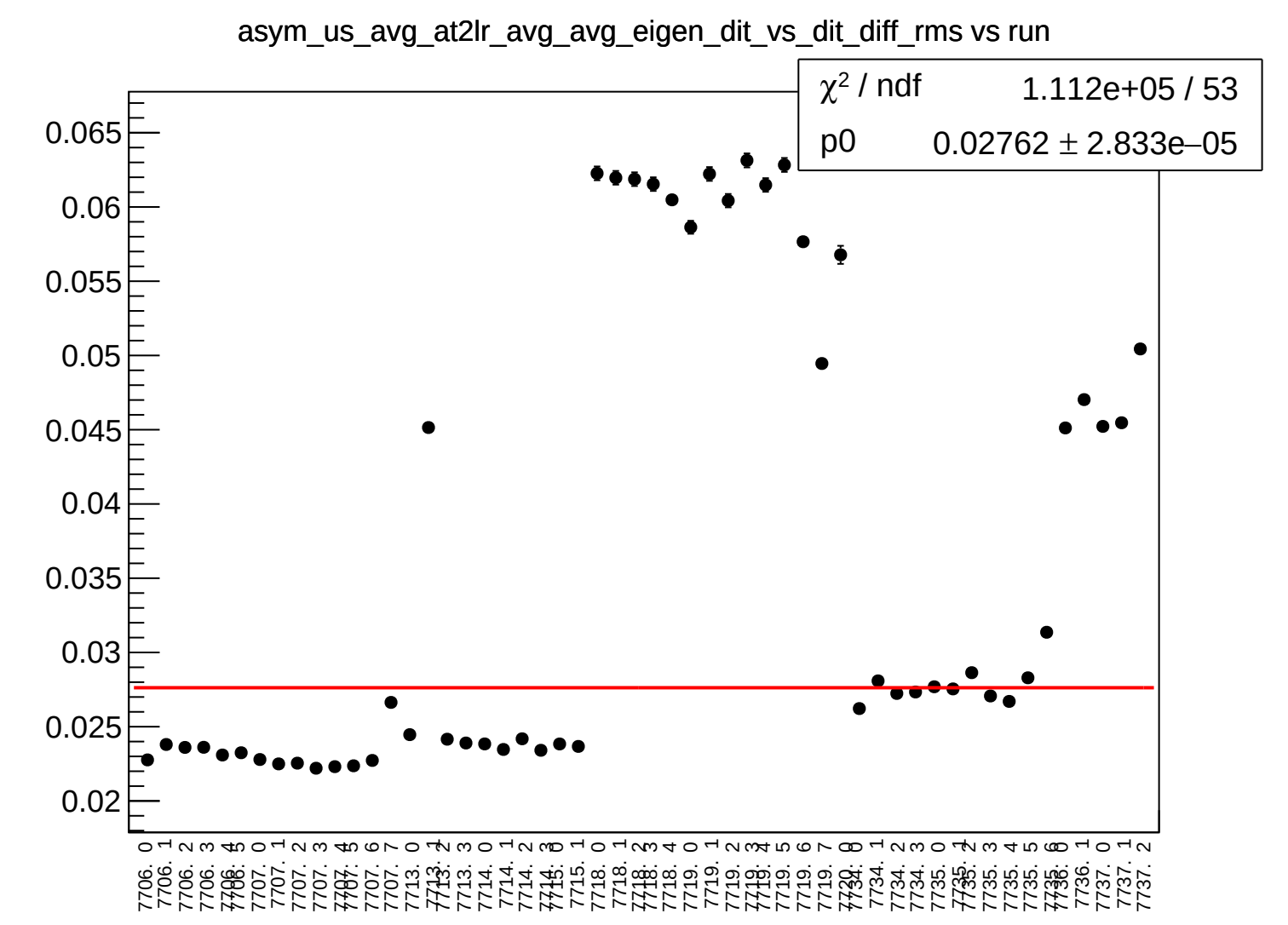

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 53
p0 386.7 ± 0.4078
900
800
700
600
500
400
300
200

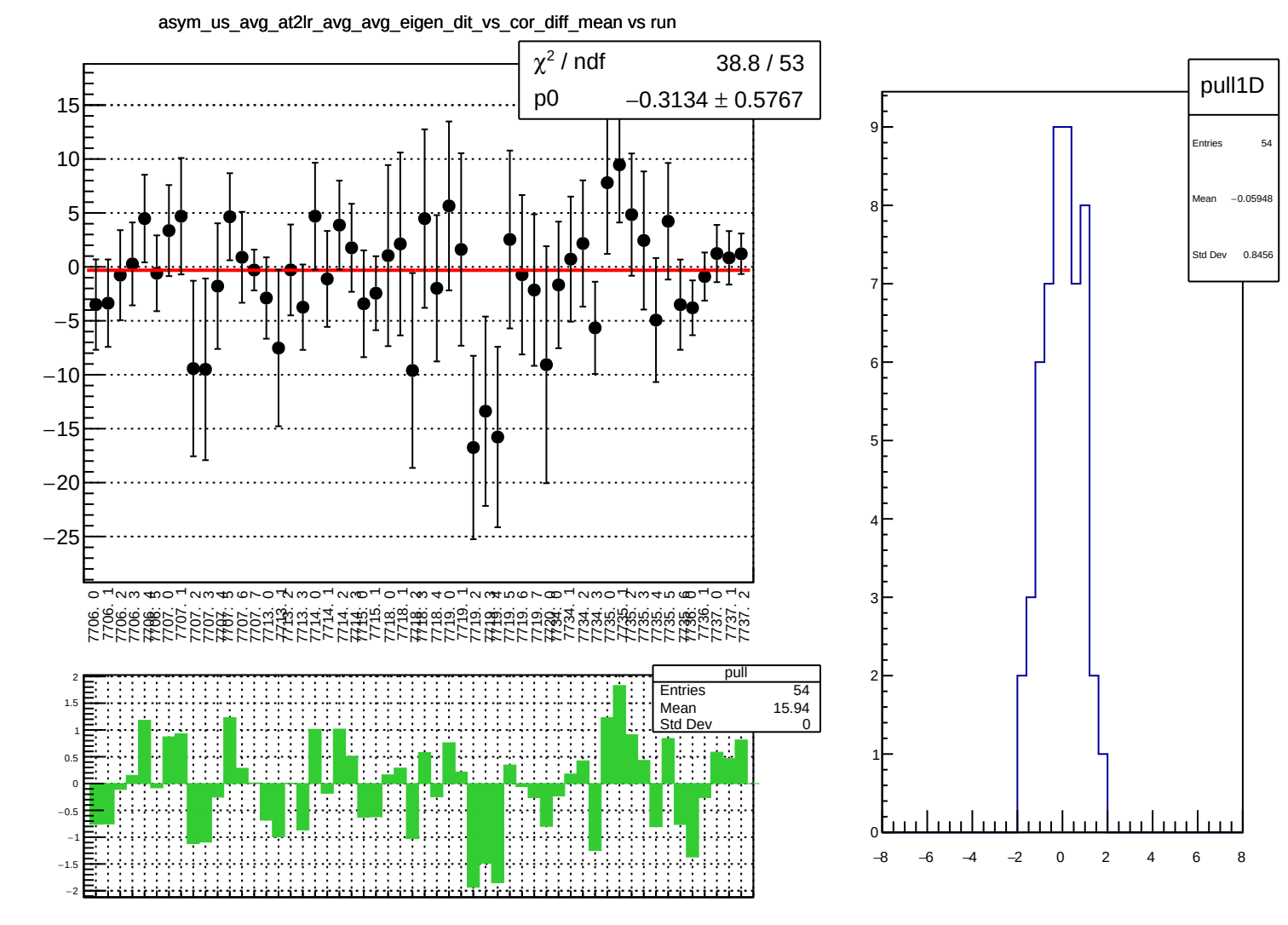

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.8 / 53
p0 −0.3133 ± 0.5767
pull
Entries 54
Mean 15.94
Std Dev 0
pull1D
Entries 54
Mean −0.05948
Std Dev 0.8456

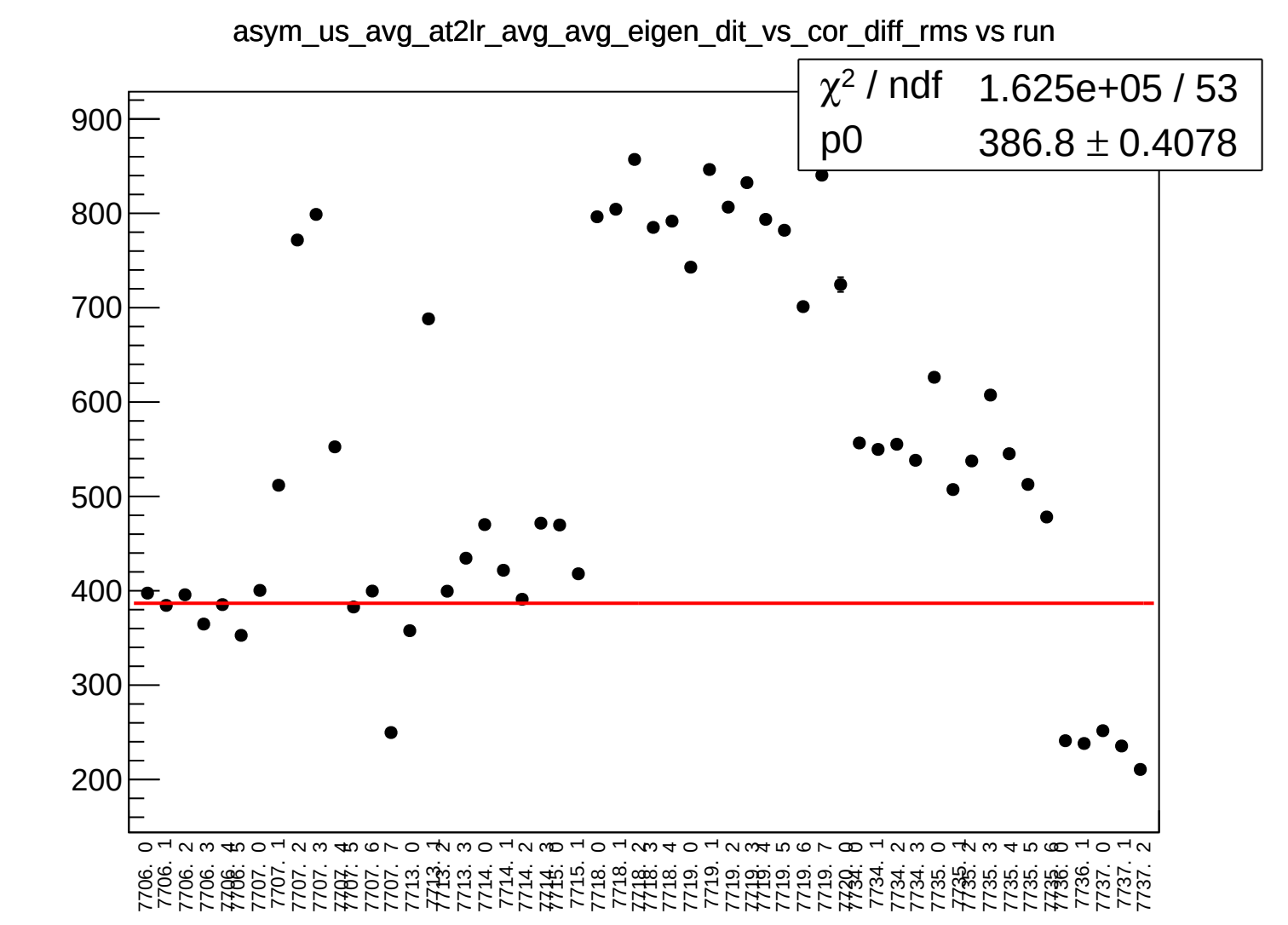

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 53
p0 386.7 ± 0.4078
900
800
700
600
500
400
300
200

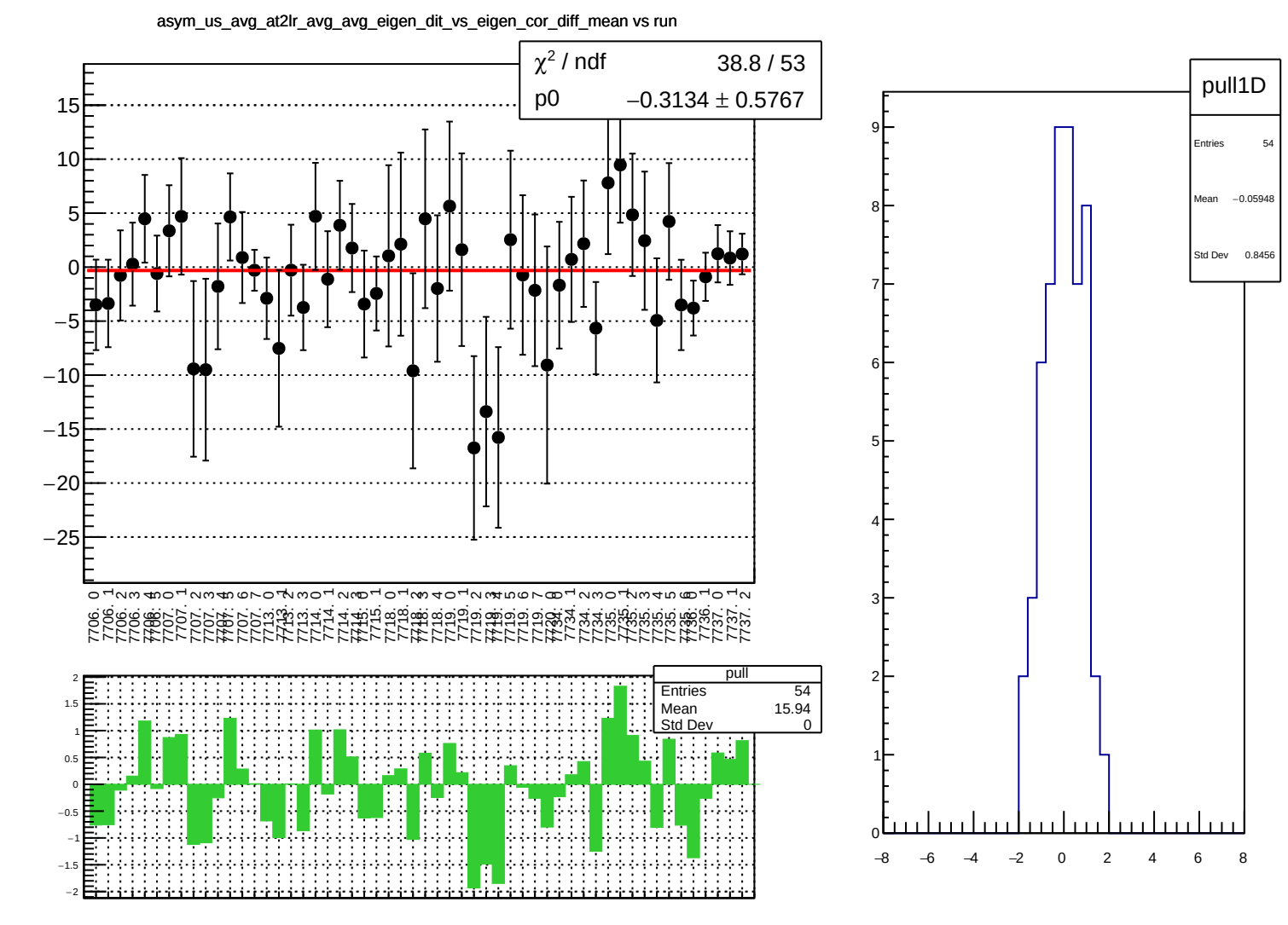

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.37 / 53
p0 −3.099e−05 ± 4.007e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 2.229
Std Dev 0

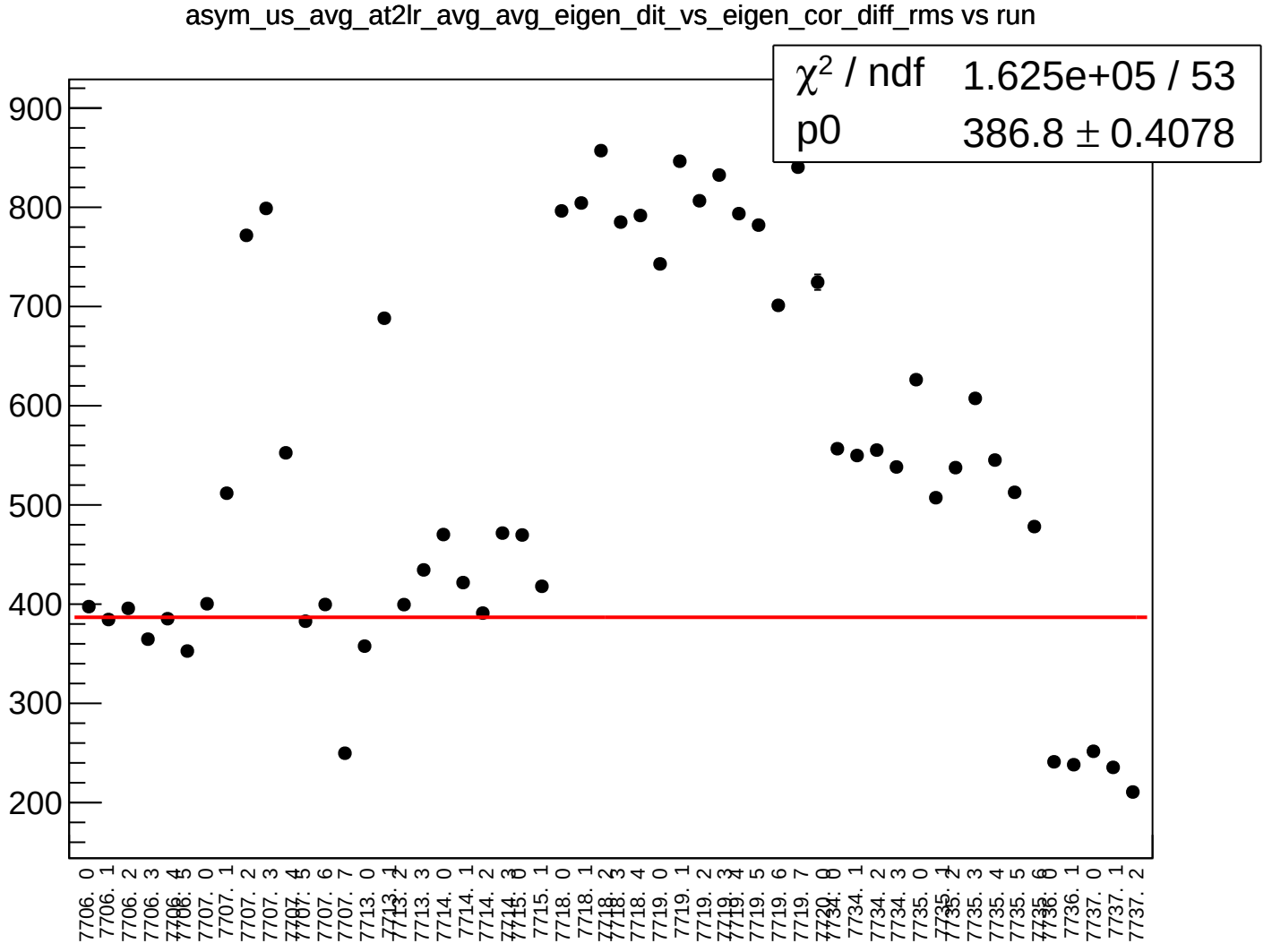

pull1D
Entries 54
Mean 0.03465
Std Dev 0.926

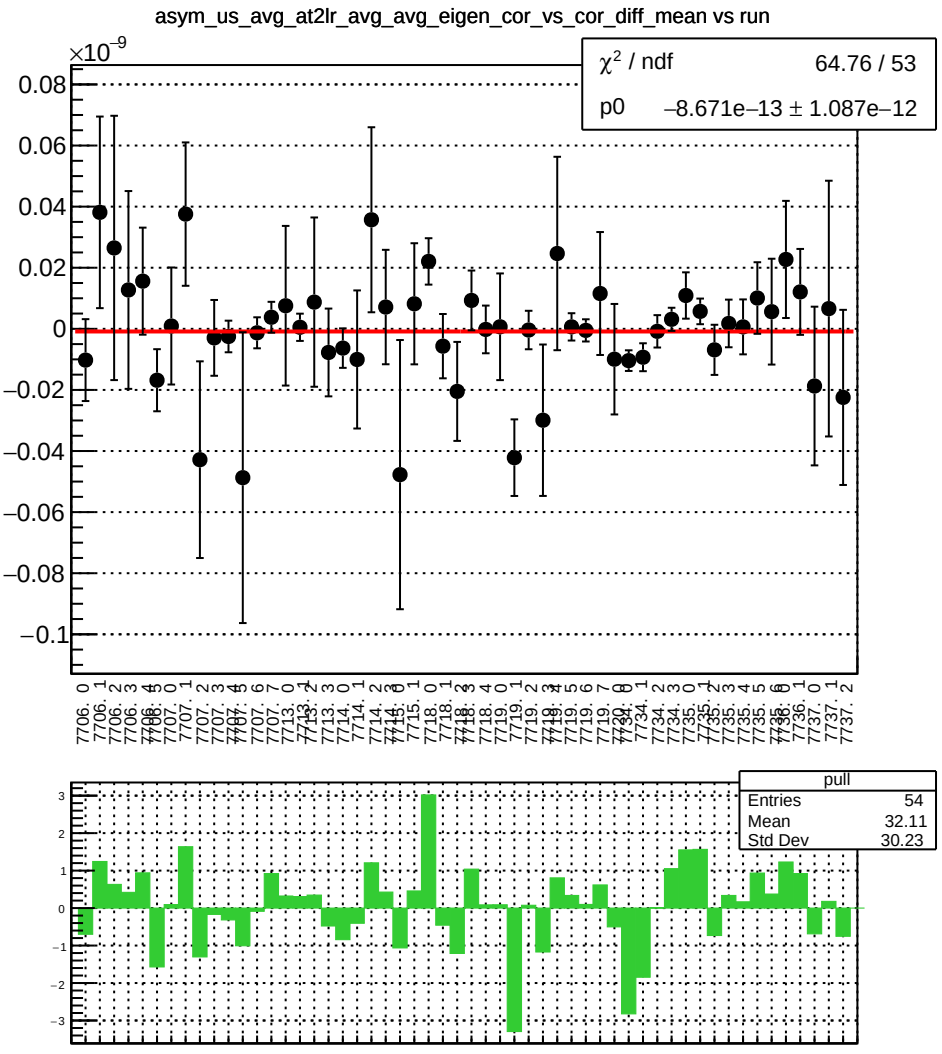

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.112e+05 / 53
p0 0.02762 ± 2.833e–05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02

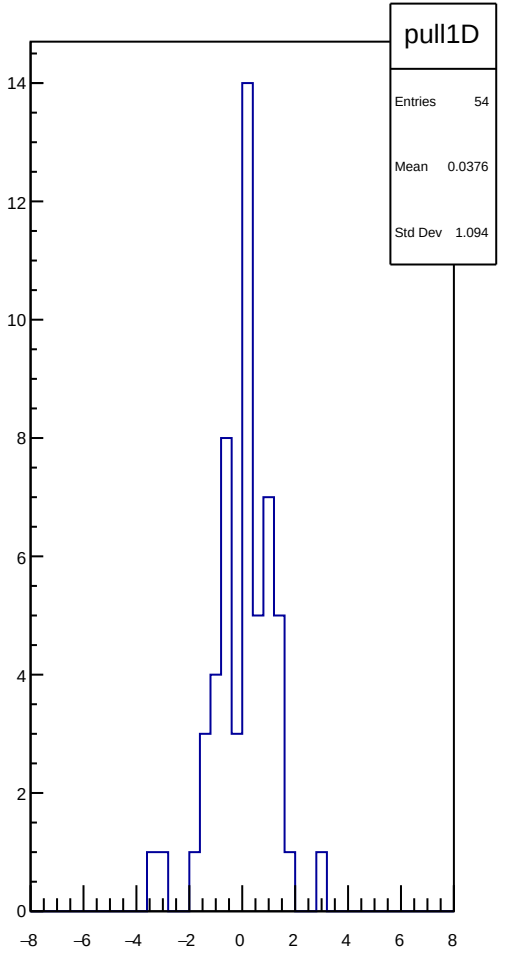

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.8 / 53
p0 −0.3134 ± 0.5767
pull
Entries 54
Mean 15.94
Std Dev 0
pull1D
Entries 54
Mean −0.05948
Std Dev 0.8456

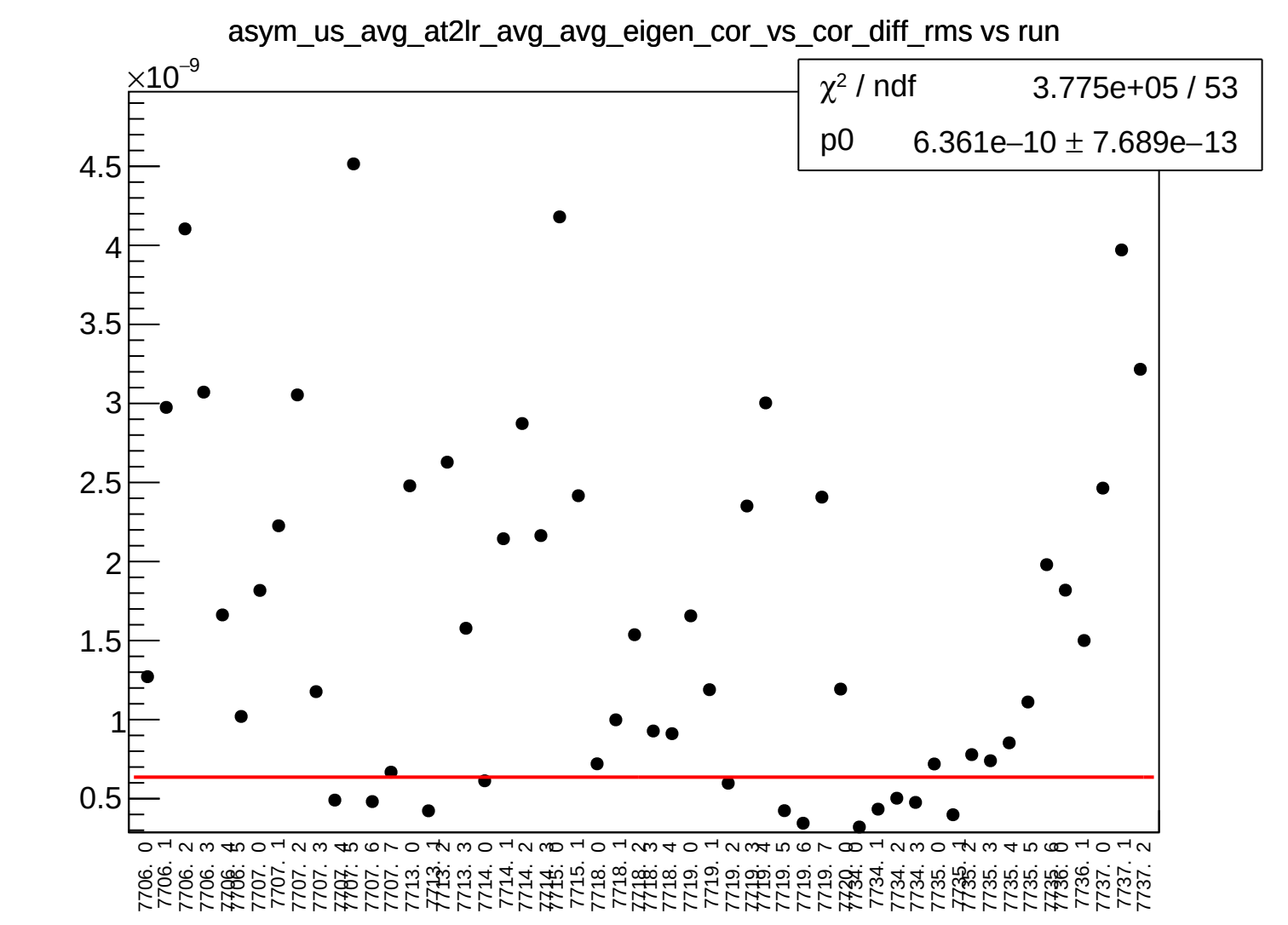

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 53
p0 386.8 ± 0.4078
900
800
700
600
500
400
300
200

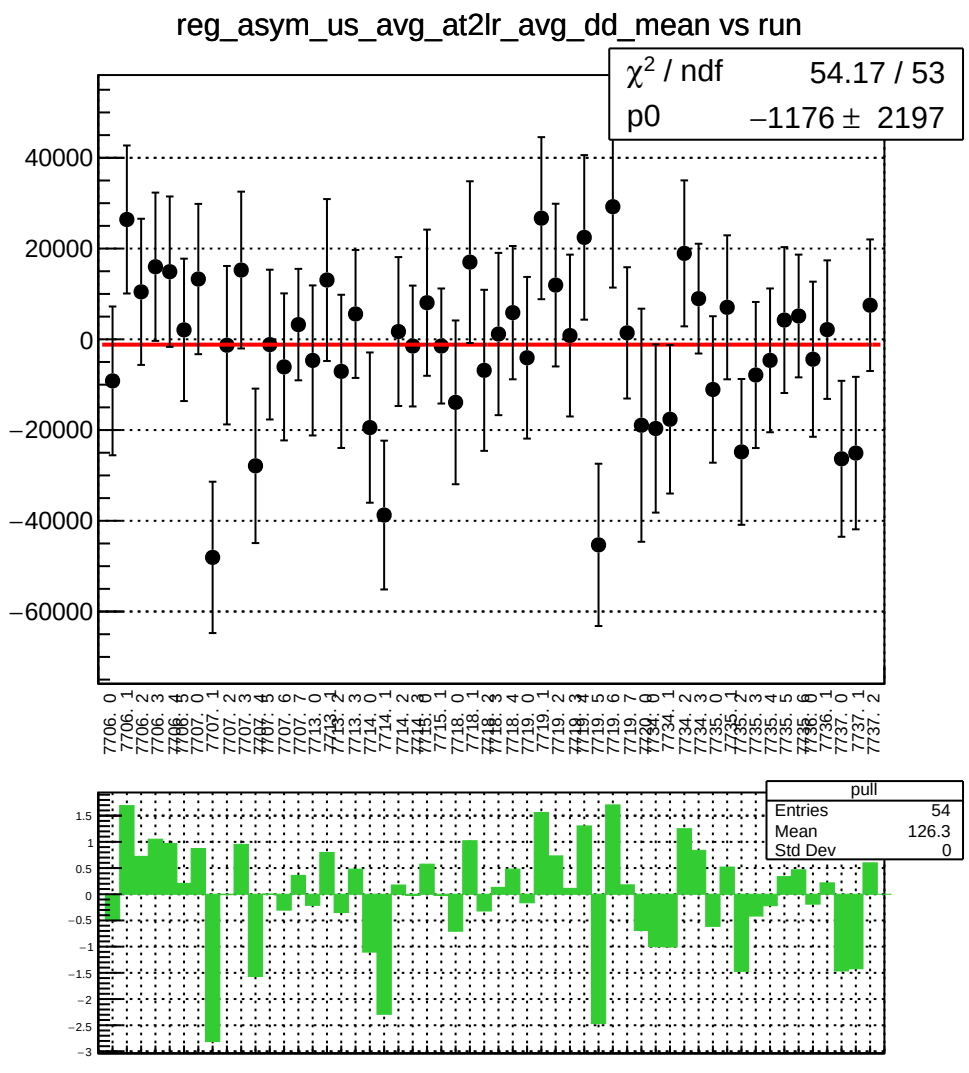

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.8 / 53
p0 −0.3134 ± 0.5767
pull
Entries 54
Mean 15.94
Std Dev 0
pull1D
Entries 54
Mean −0.05948
Std Dev 0.8456

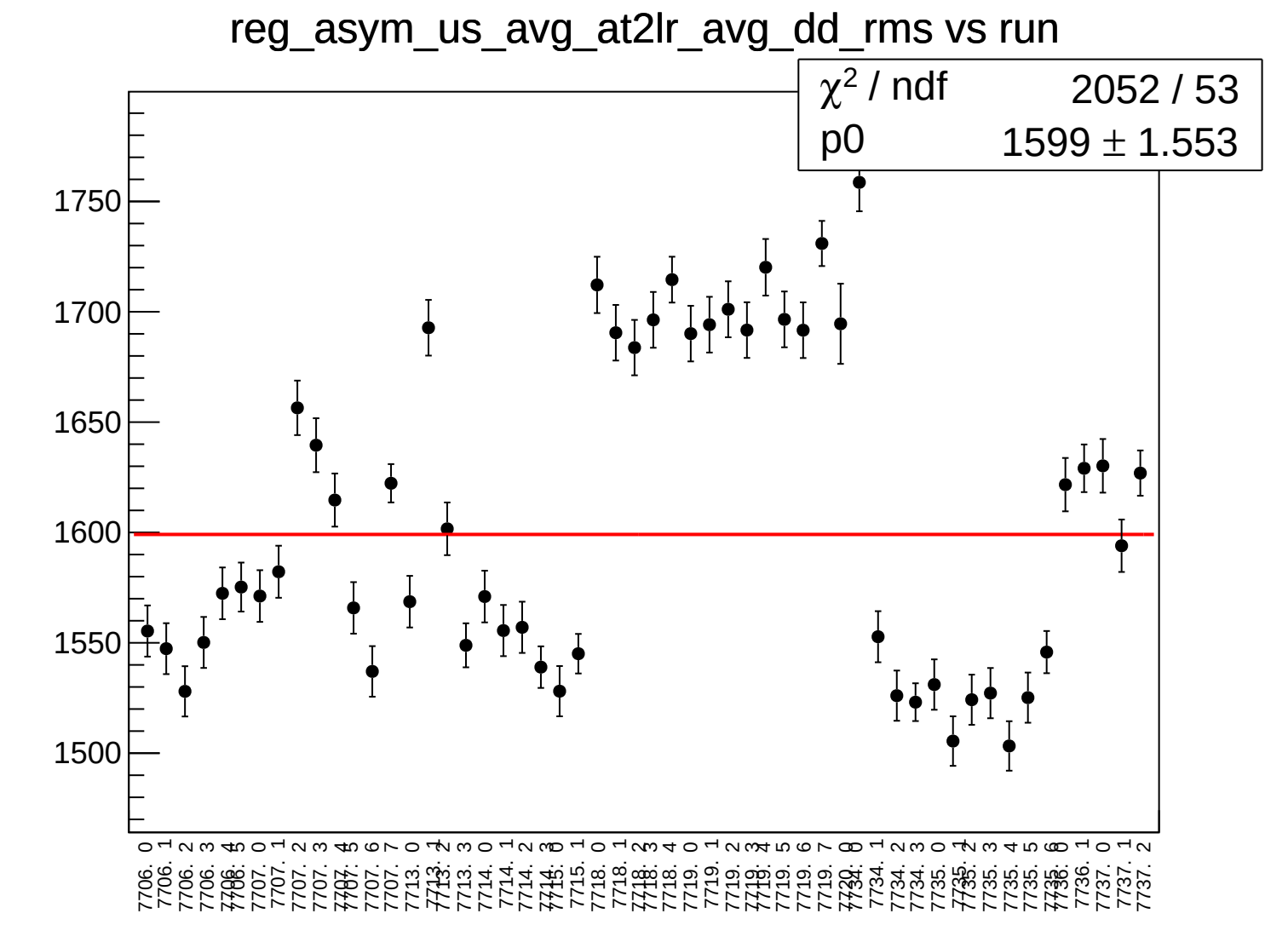

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.625e+05 / 53
p0 386.8 ± 0.4078
900
800
700
600
500
400
300
200

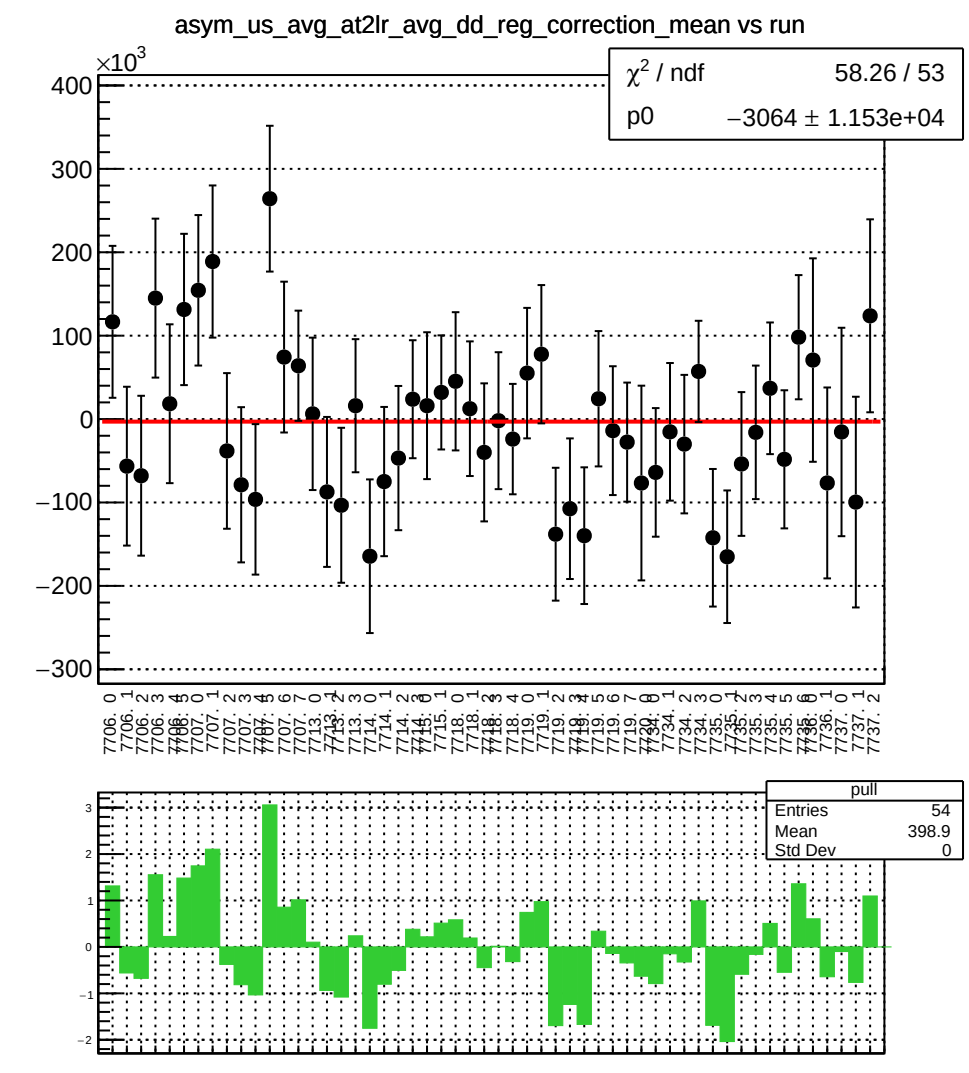

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 64.76 / 53
p0 −8.671e−13 ± 1.087e−12
pull
Entries 54
Mean 32.11
Std Dev 30.23

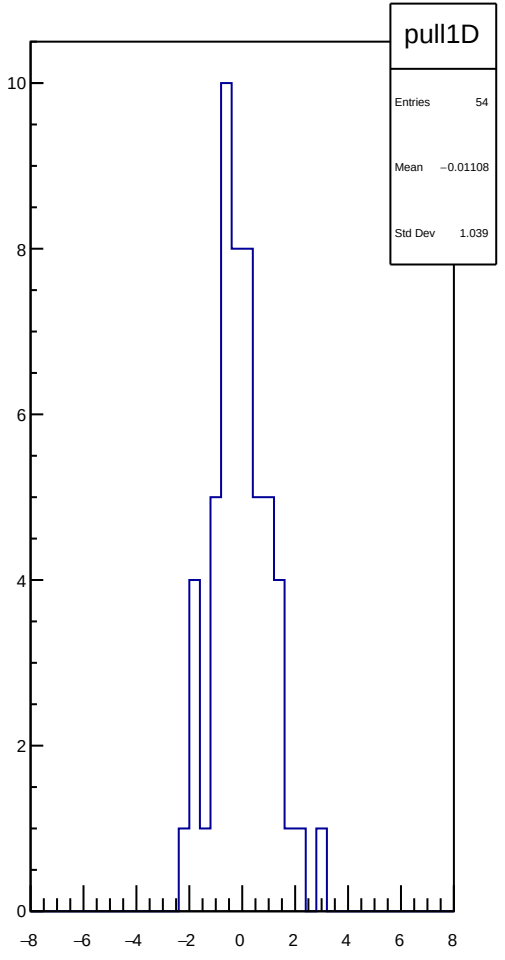

pull1D
Entries 54
Mean 0.0376
Std Dev 1.094

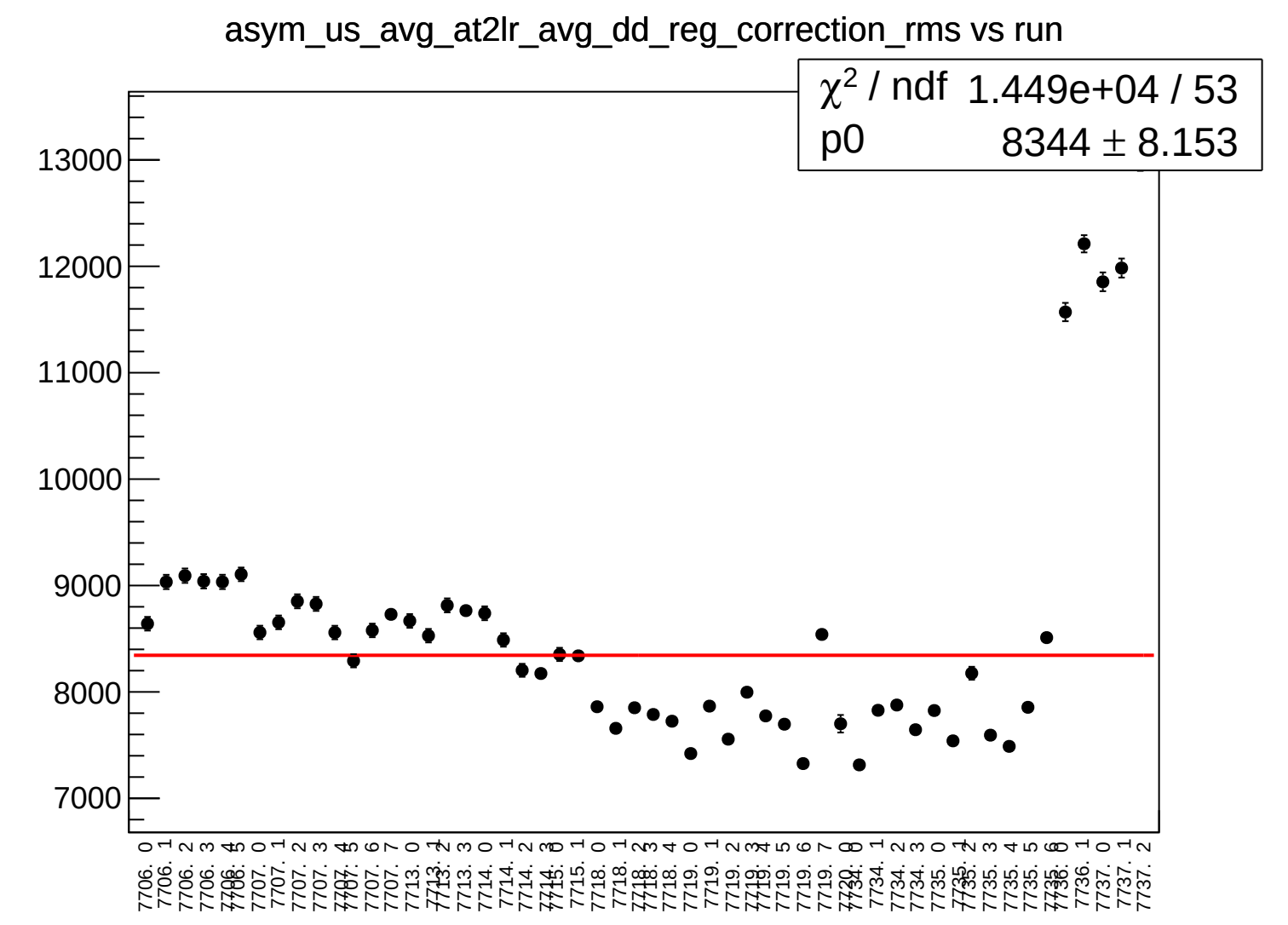

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.775e+05 / 53
p0 6.361e−10 ± 7.689e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

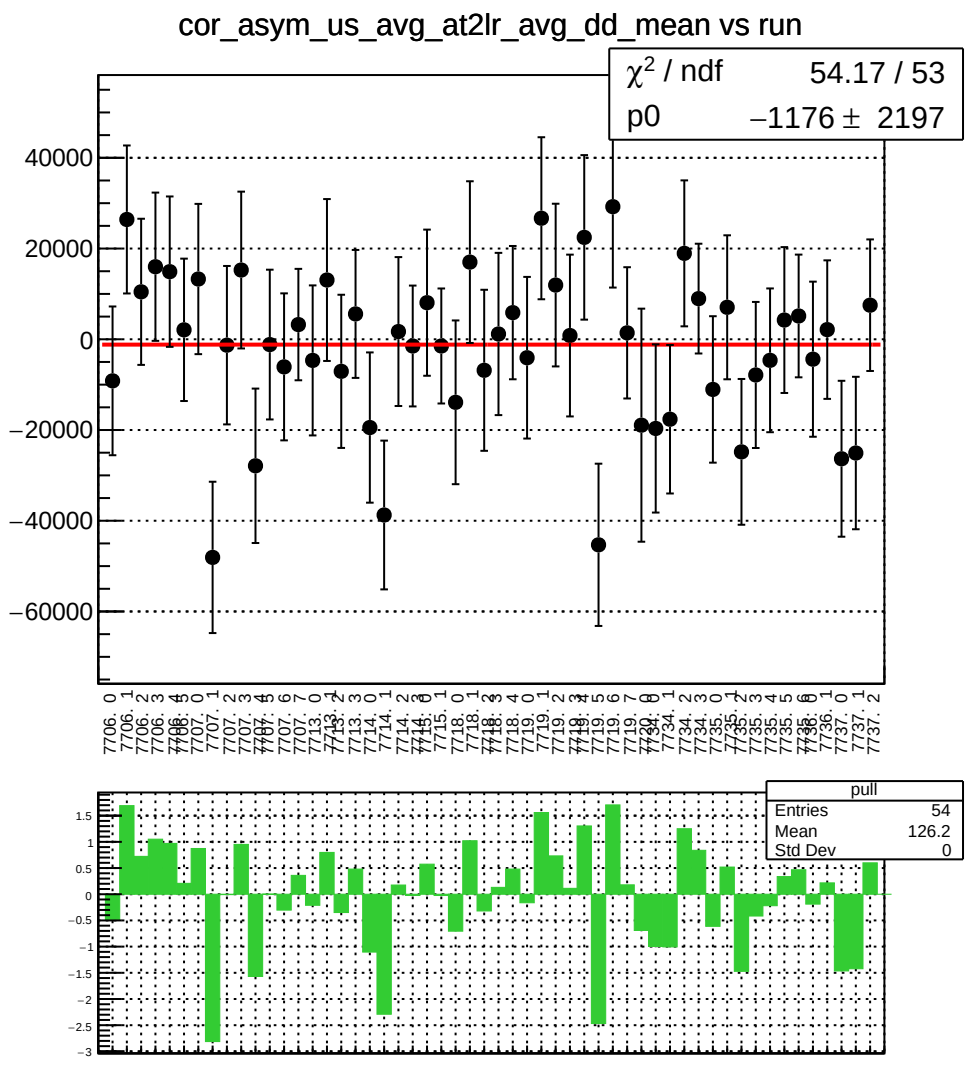

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 54.17 / 53
p0 −1176 ± 2197
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 126.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 54
Mean −0.01875
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

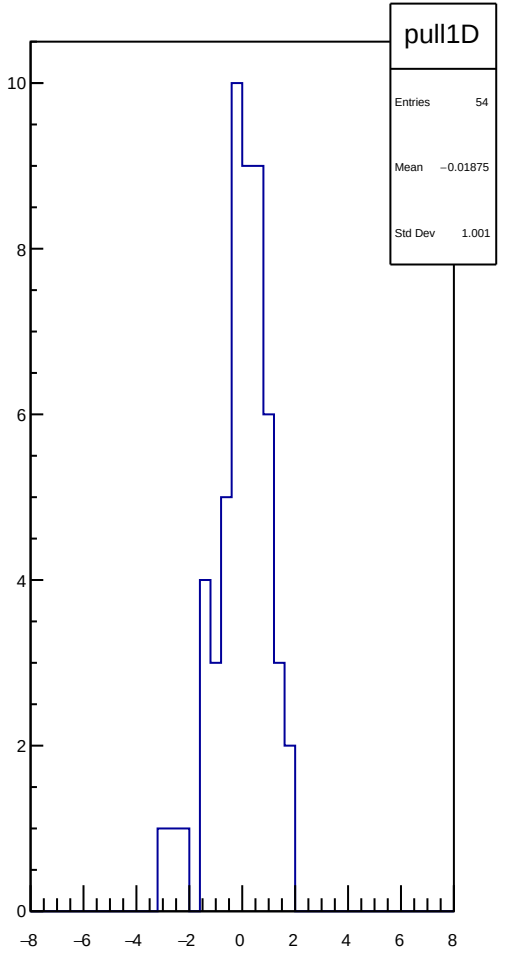

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2052 / 53
p0 1599 ± 1.553
1750
1700
1650
1600
1550
1500

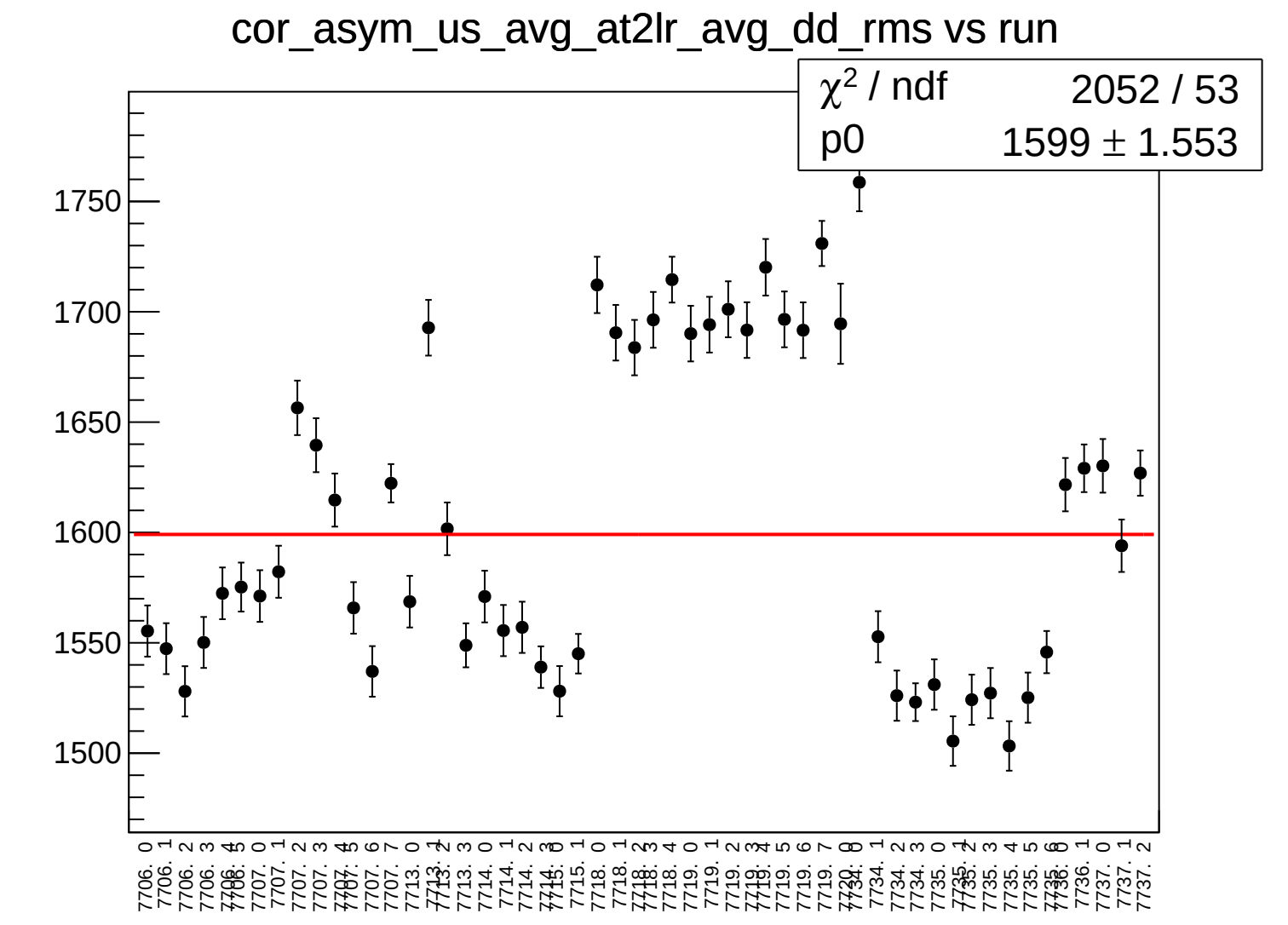

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.26 / 53
p0 −3064 ± 1.153e+04
pull
Entries 54
Mean 398.9
Std Dev 0

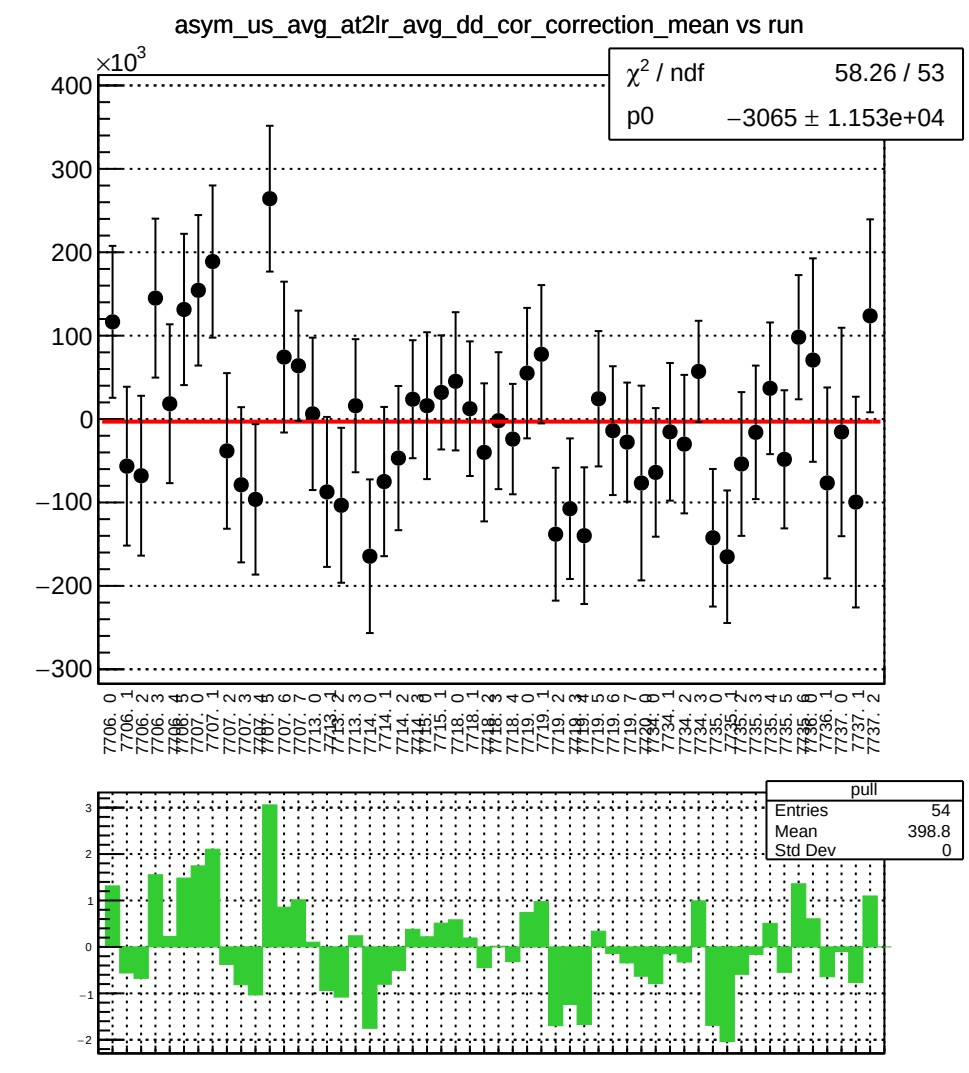

pull1D
Entries 54
Mean −0.01108
Std Dev 1.039

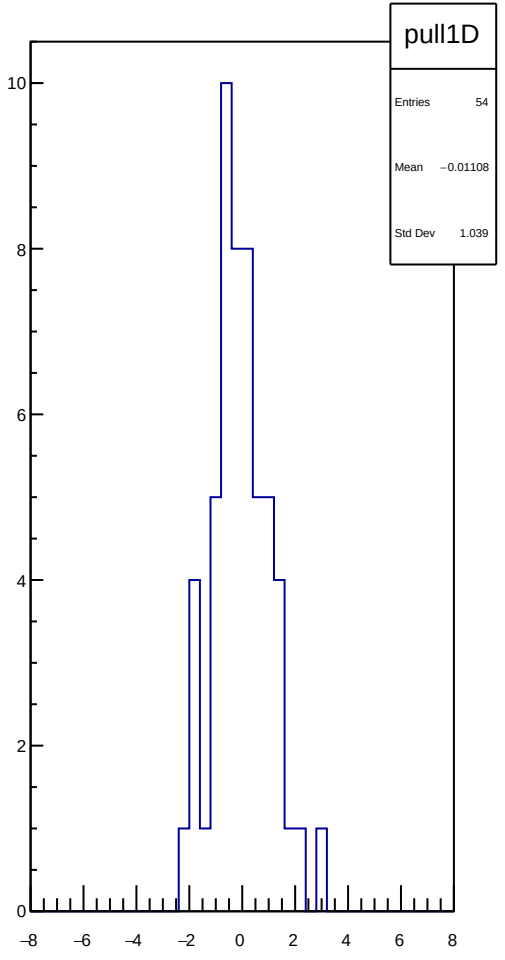

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.449e+04 / 53
p0 8344 ± 8.153
13000
12000
11000
10000
9000
8000
7000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

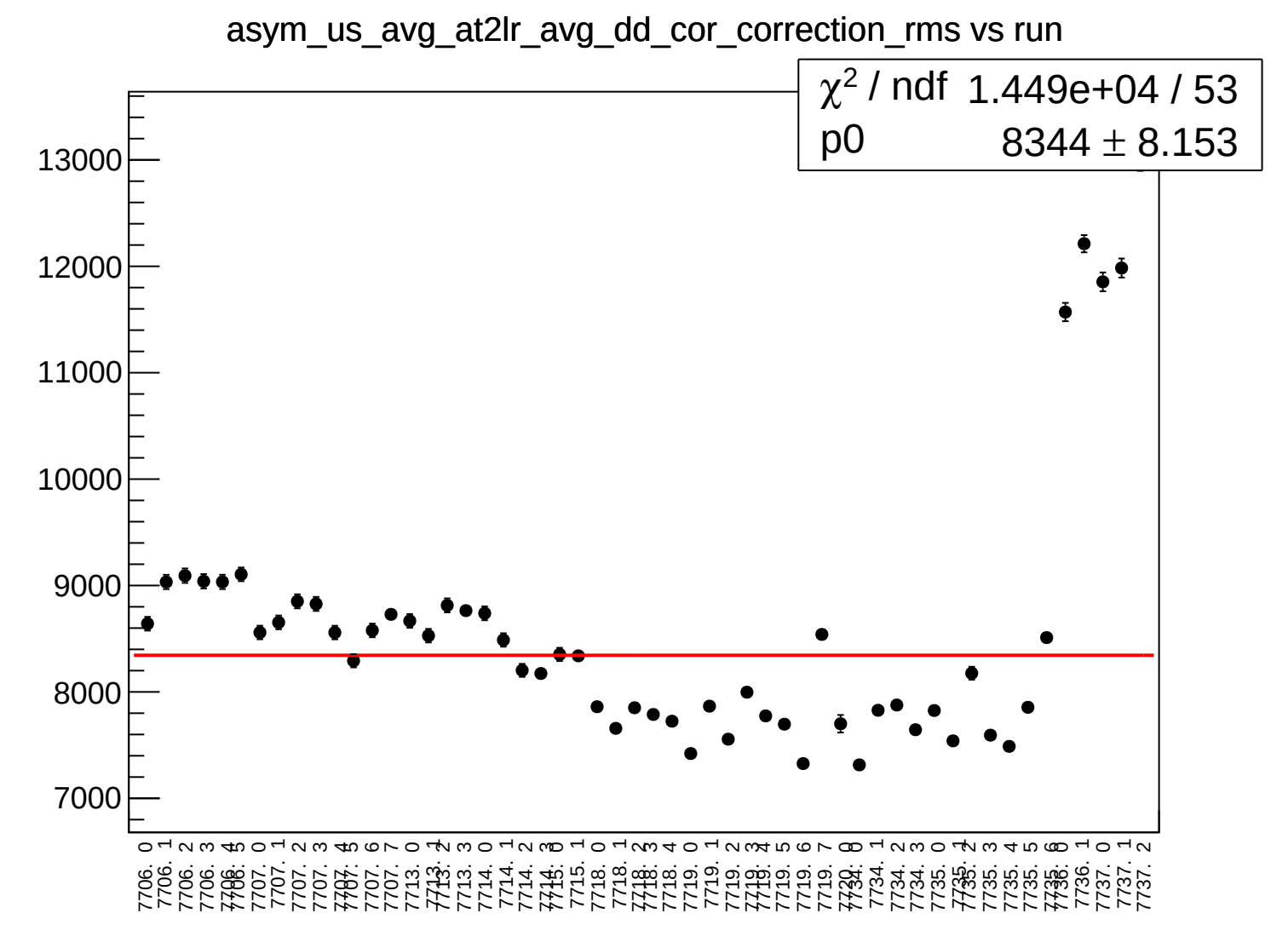

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 54.17 / 53
p0 −1176 ± 2197
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 126.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

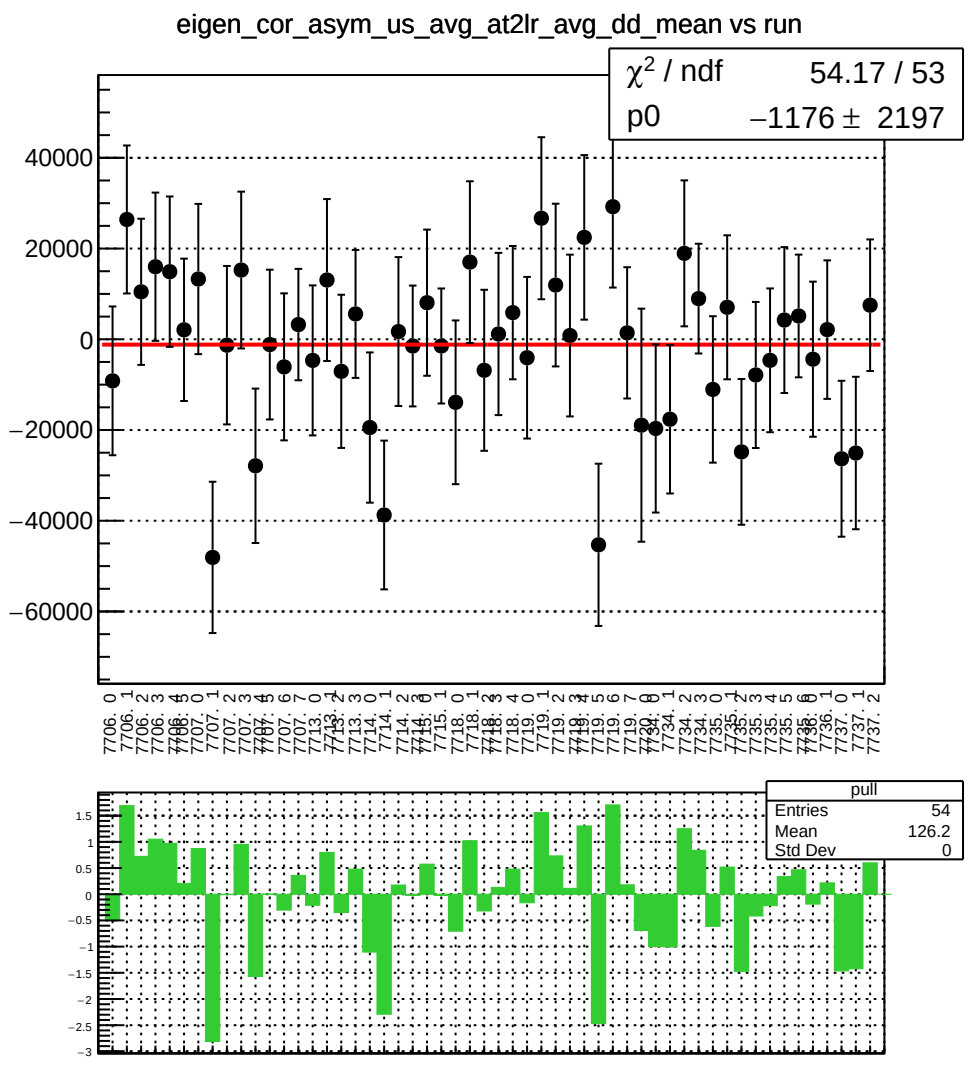

pull1D
Entries 54
Mean −0.01875
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

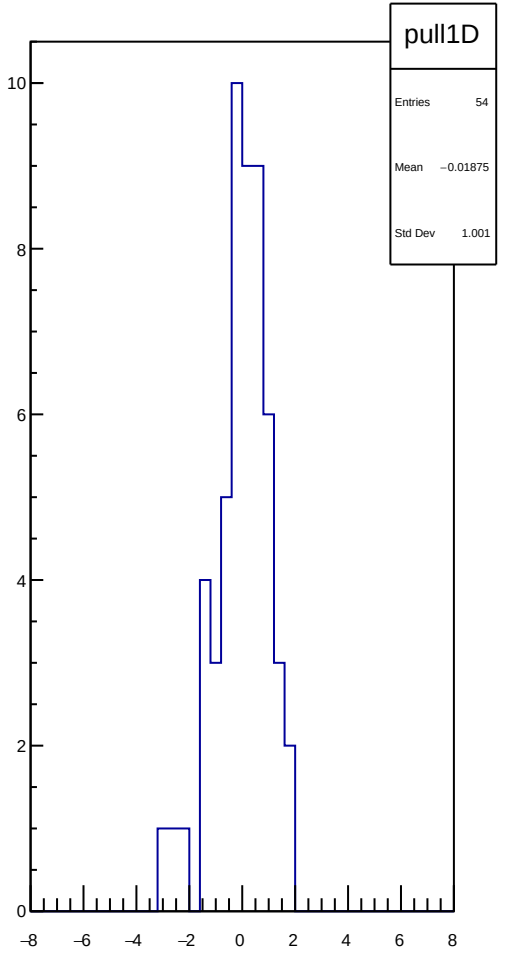

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2052 / 53
p0 1599 ± 1.553
1750
1700
1650
1600
1550
1500

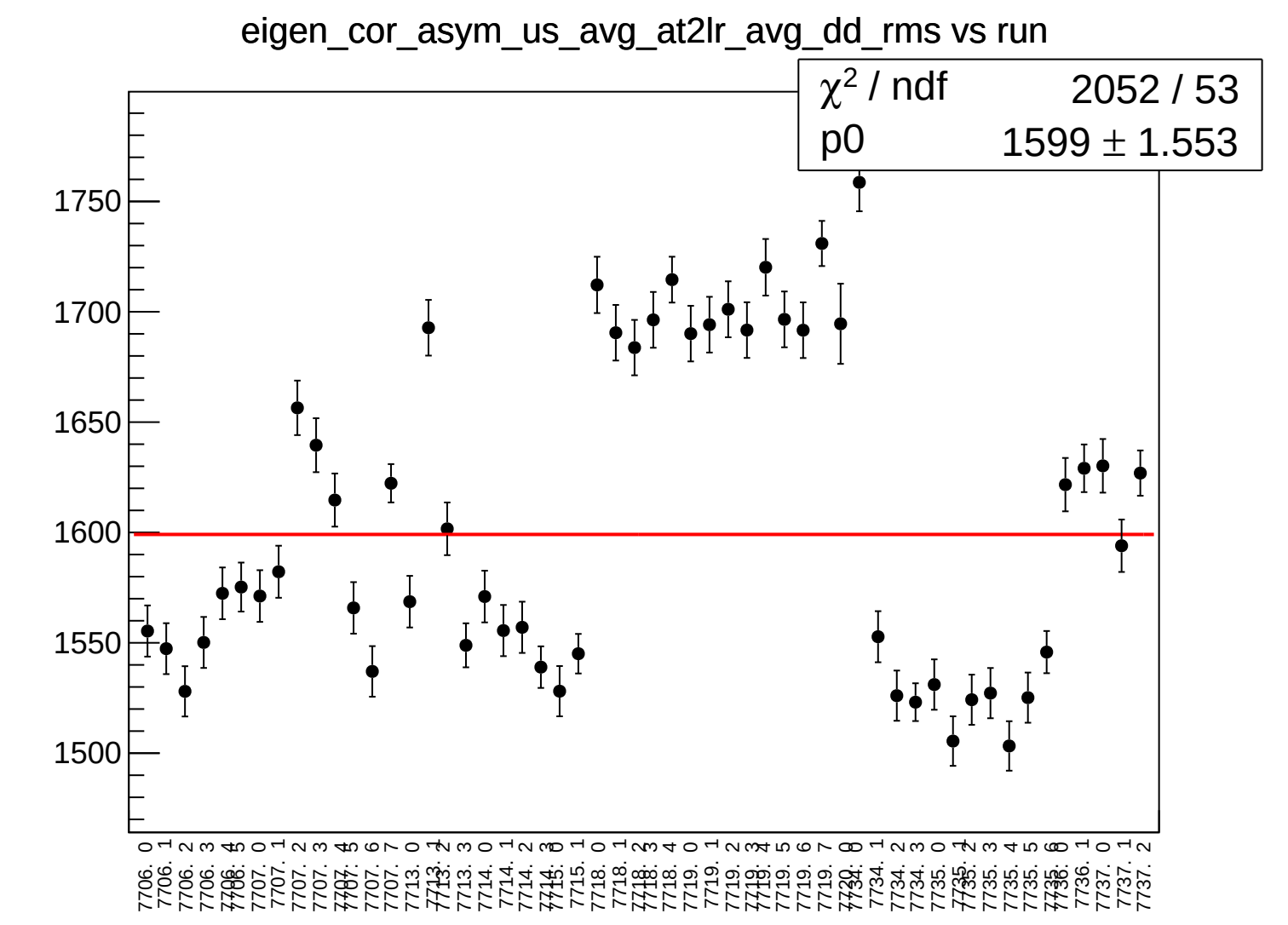

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.26 / 53
p0 −3065 ± 1.153e+04
pull
Entries 54
Mean 398.8
Std Dev 0

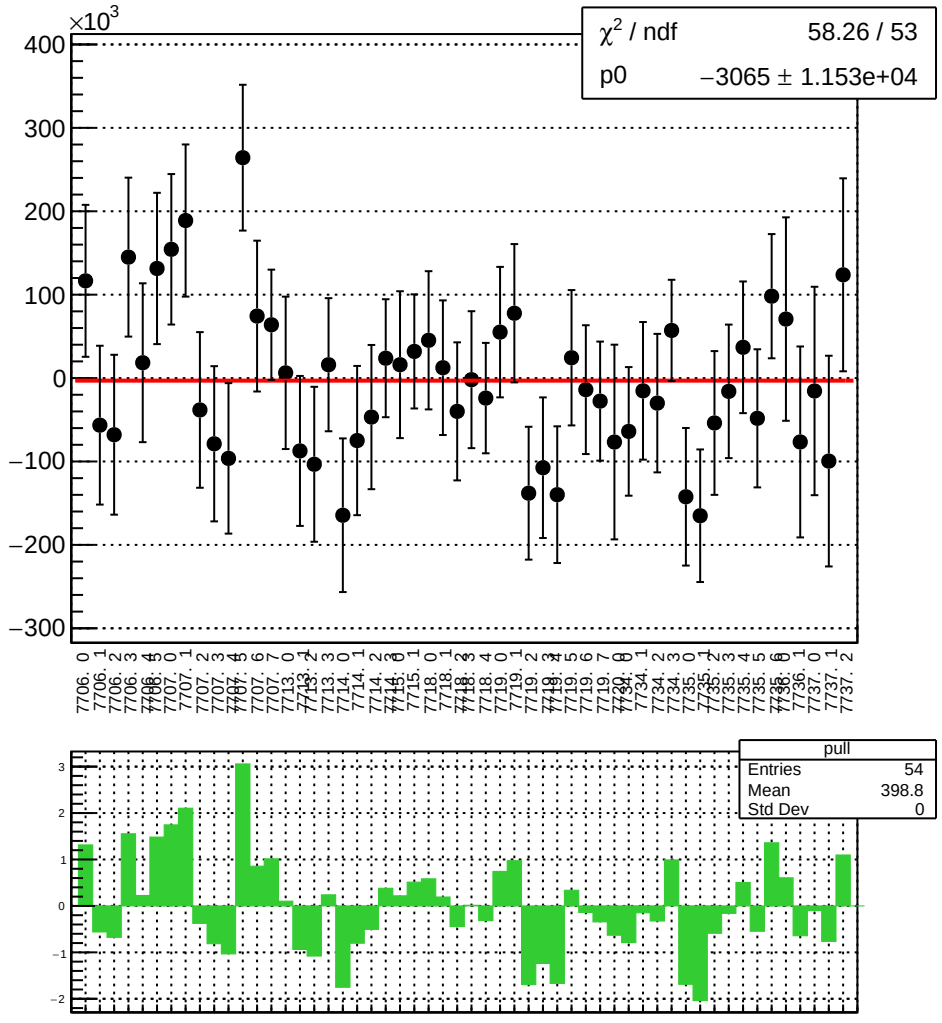

pull1D
Entries 54
Mean −0.01108
Std Dev 1.039

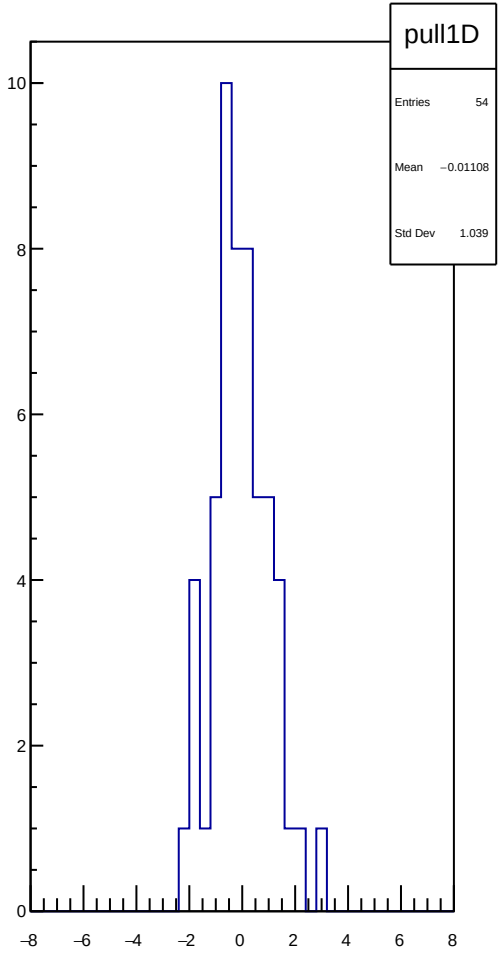

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.449e+04 / 53
p0 8344 ± 8.153
13000
12000
11000
10000
9000
8000
7000

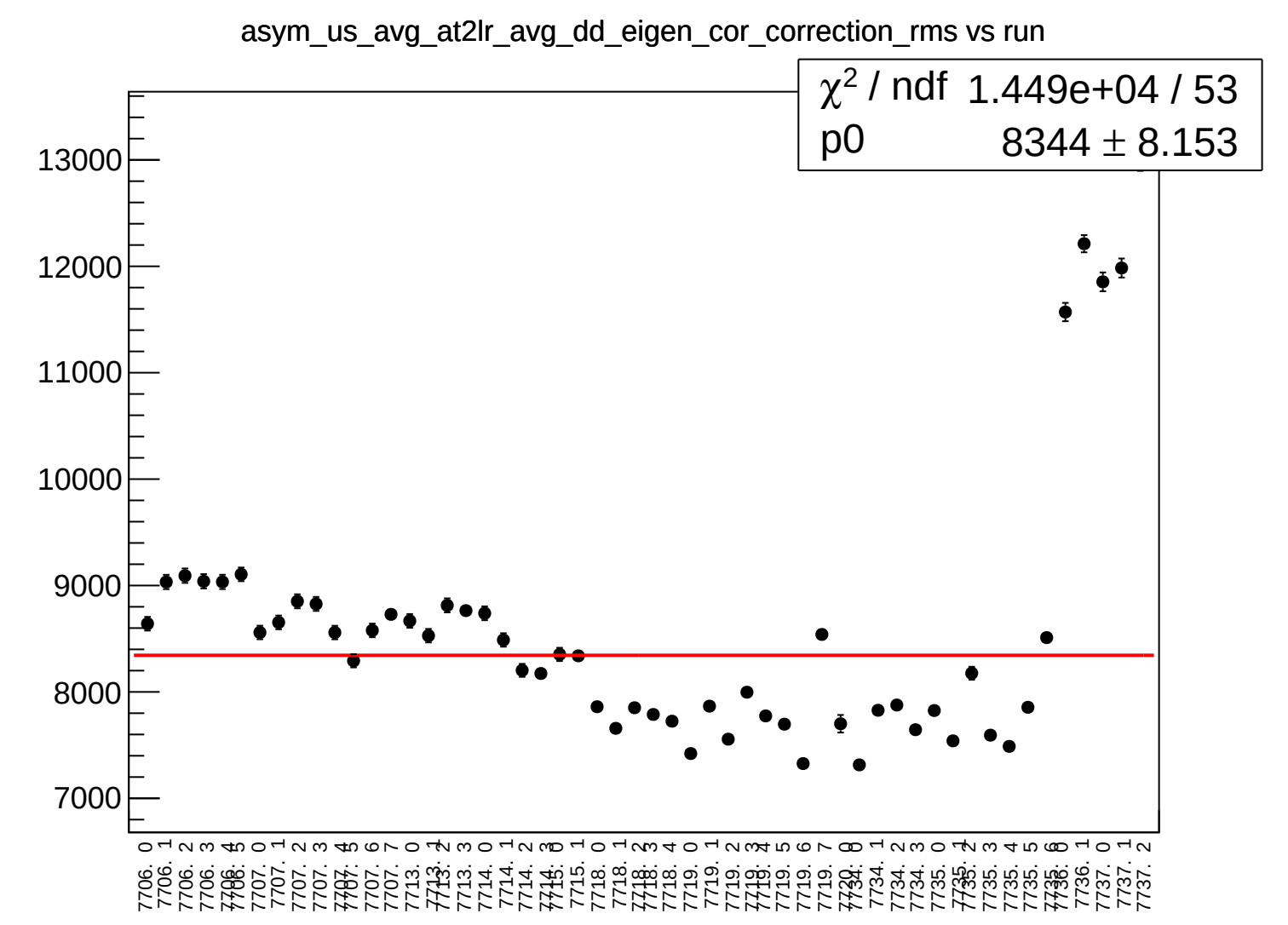

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 54.17 / 53
p0 −1176 ± 2197
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 126.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

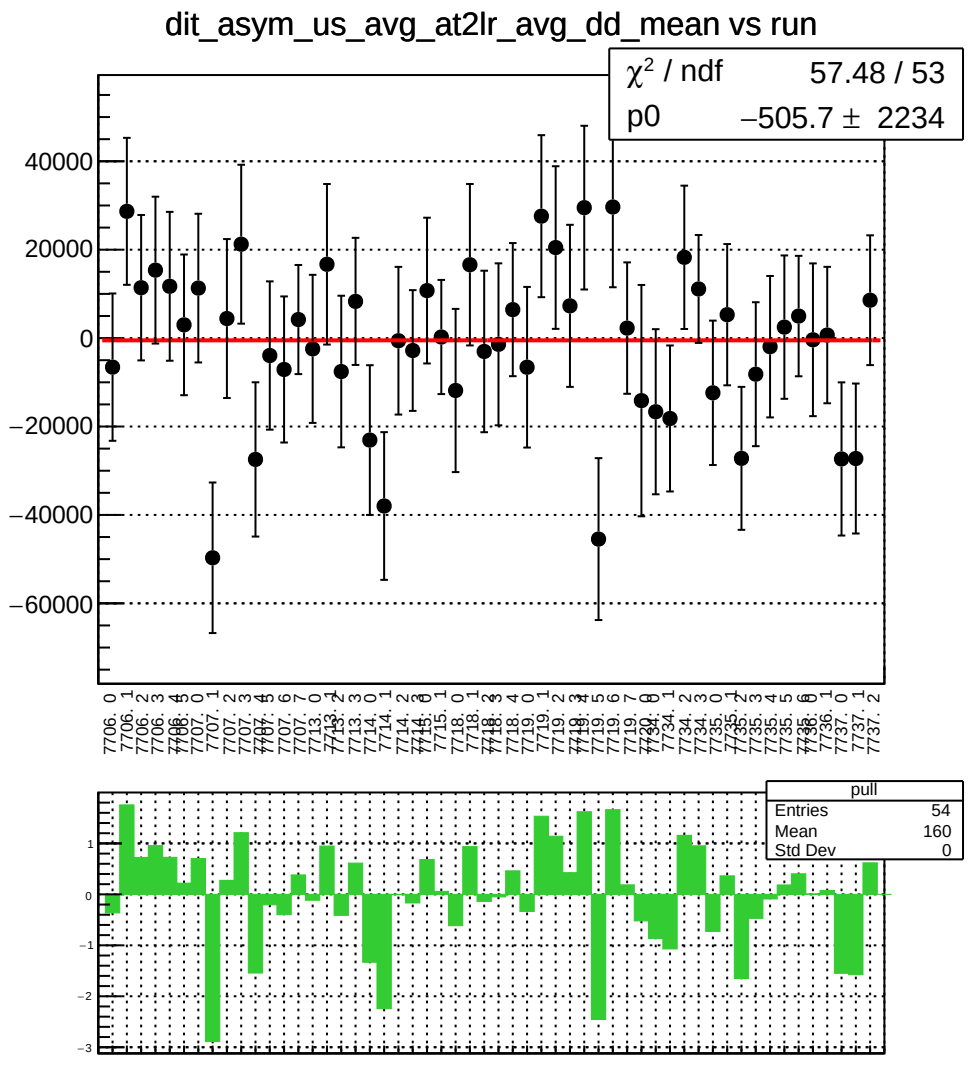

pull1D
Entries 54
Mean −0.01875
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

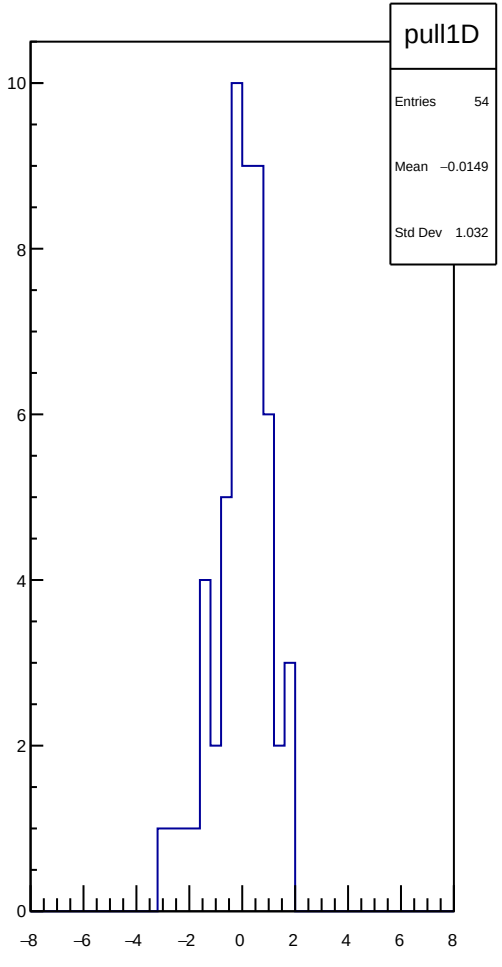

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2052 / 53
p0 1599 ± 1.553
1750
1700
1650
1600
1550
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

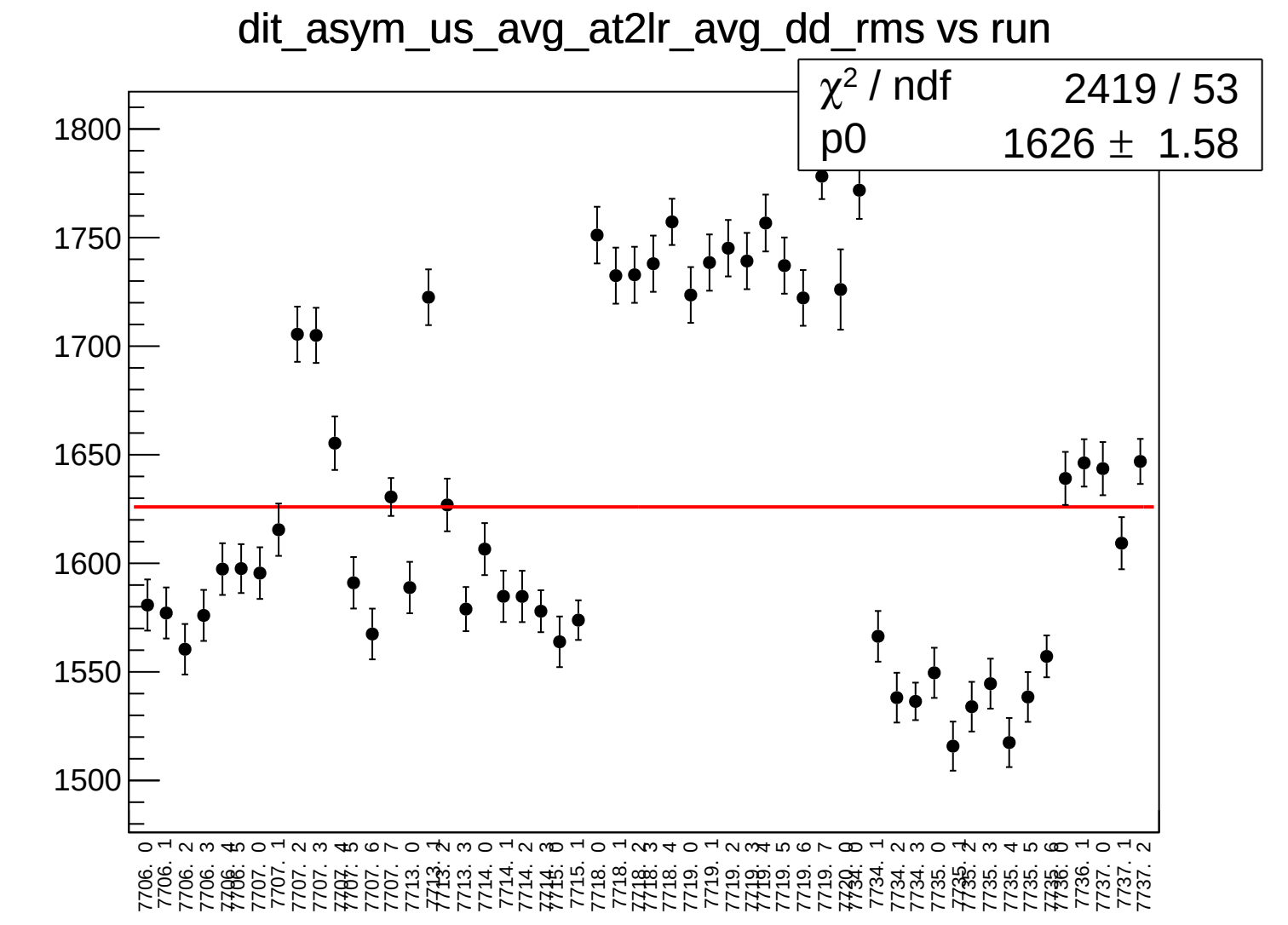

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.26 / 53
p0 −3065 ± 1.153e+04
pull
Entries 54
Mean 398.8
Std Dev 0

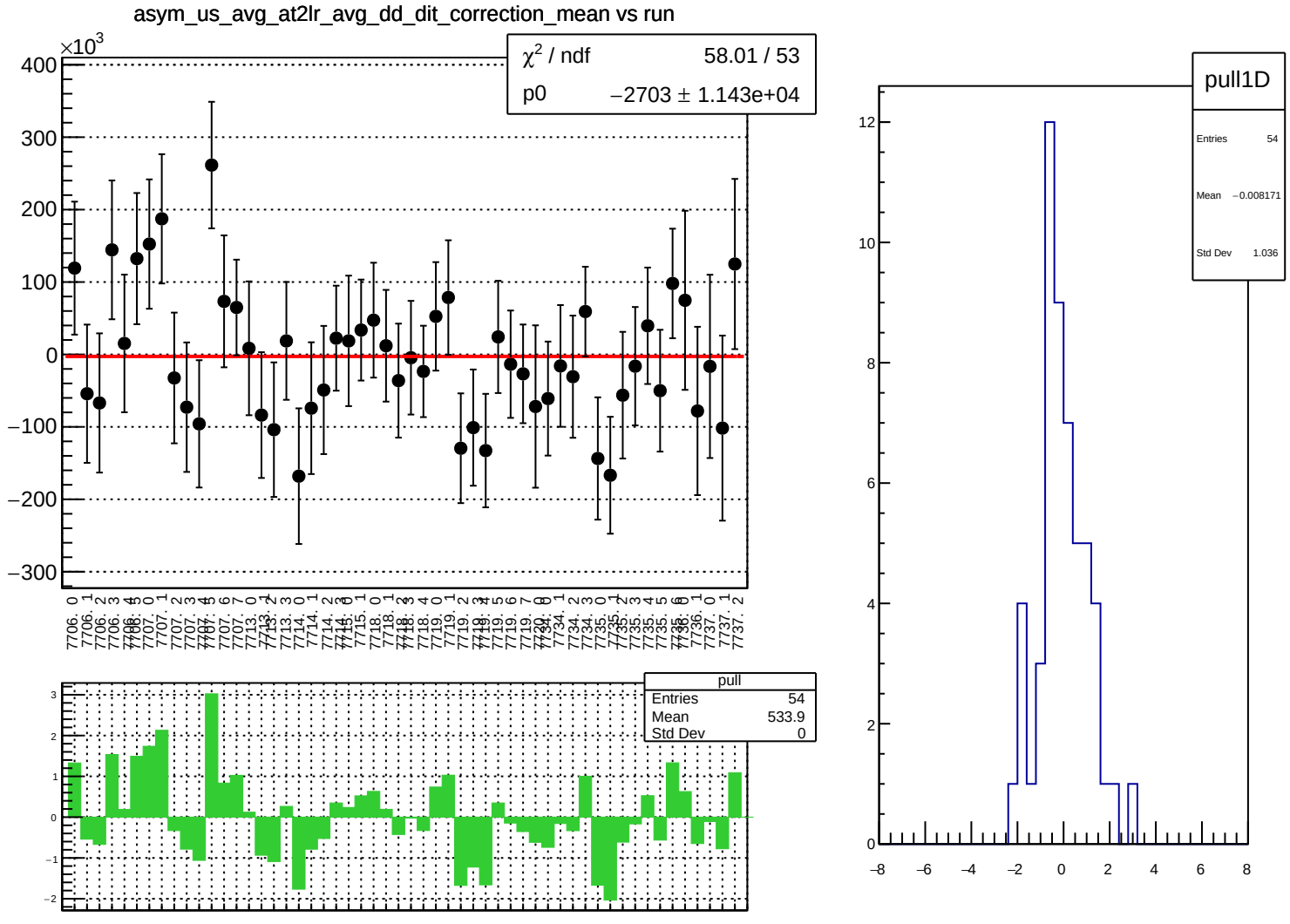

pull1D
Entries 54
Mean −0.01108
Std Dev 1.039

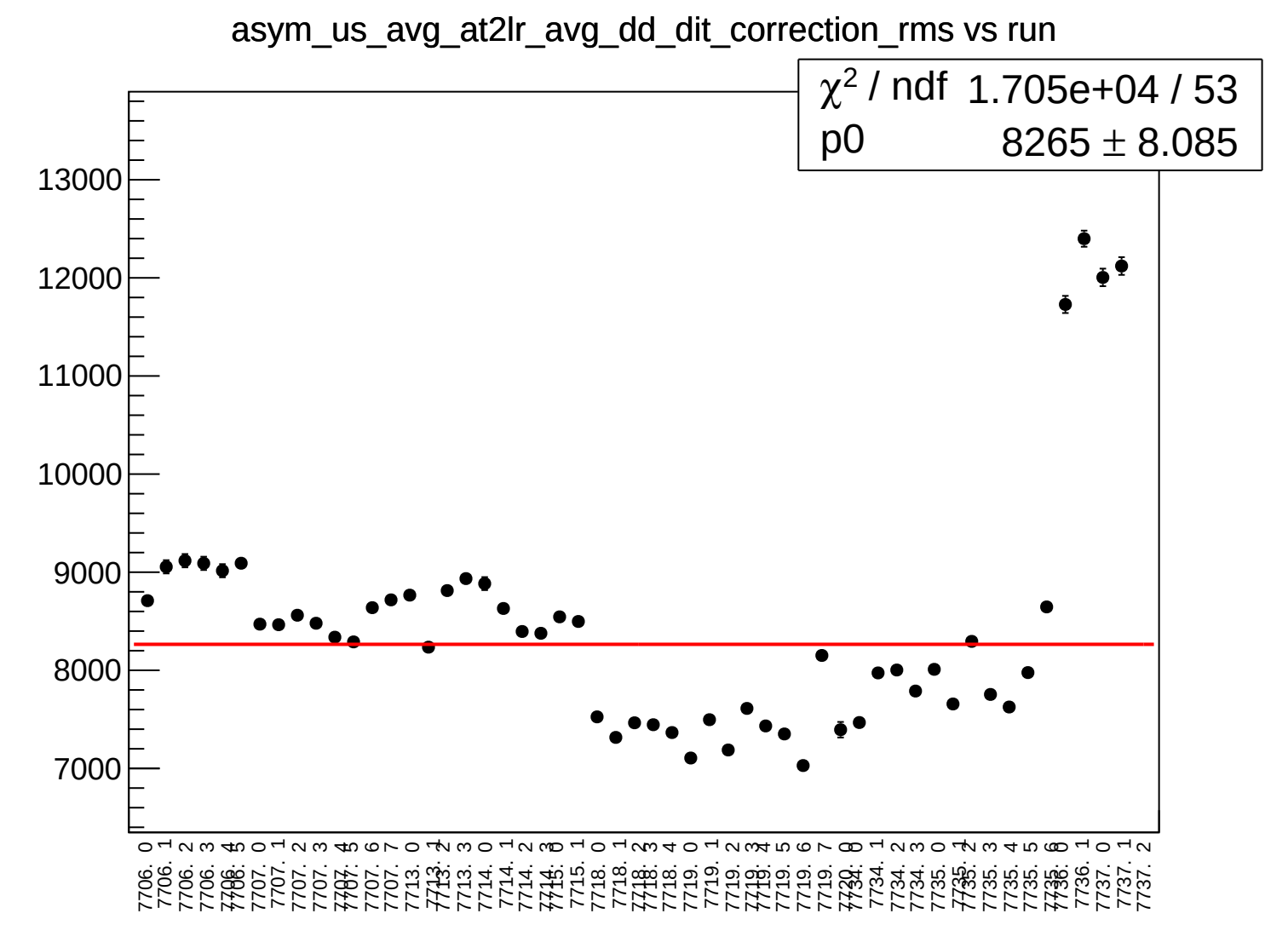

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.449e+04 / 53
p0 8344 ± 8.153
13000
12000
11000
10000
9000
8000
7000

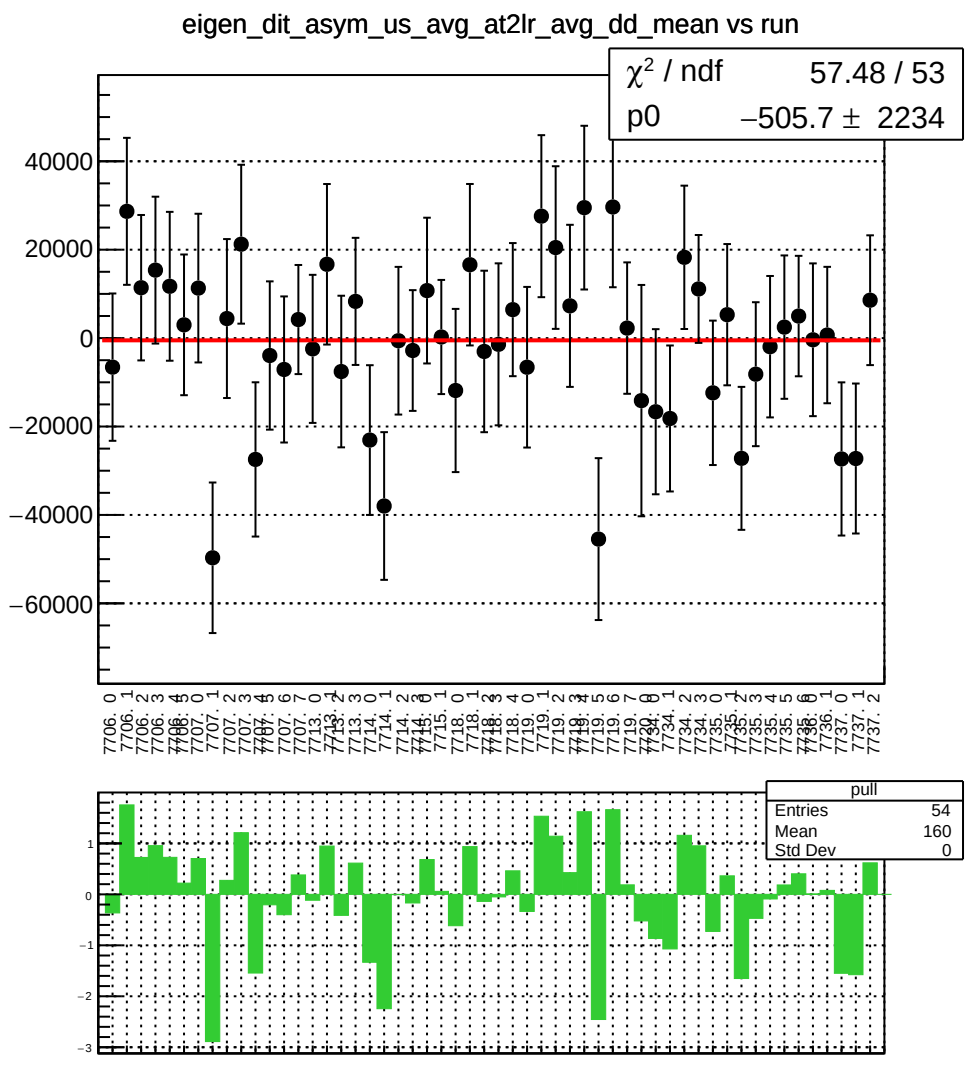

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 57.48 / 53
p0 −505.7 ± 2234
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 160
Std Dev 0
1
0
−1
−2
−3

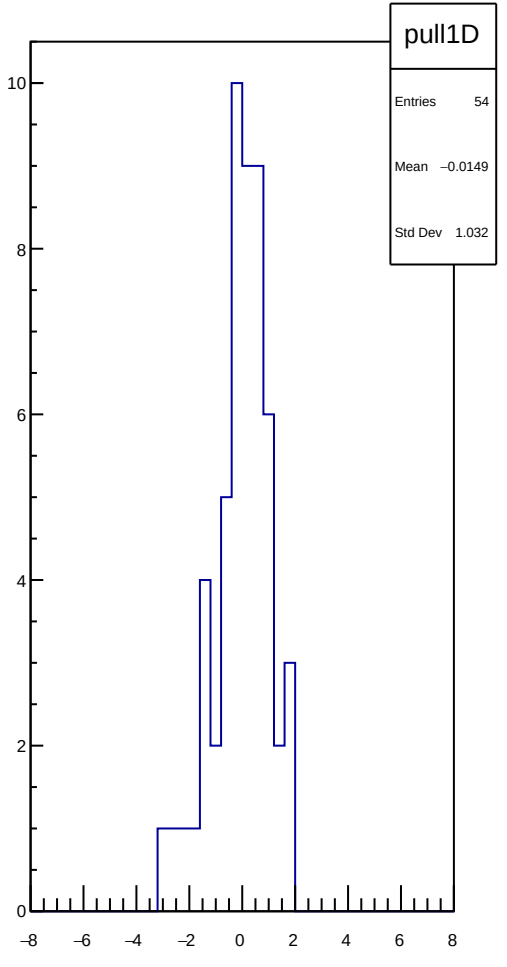

pull1D
Entries 54
Mean −0.0149
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

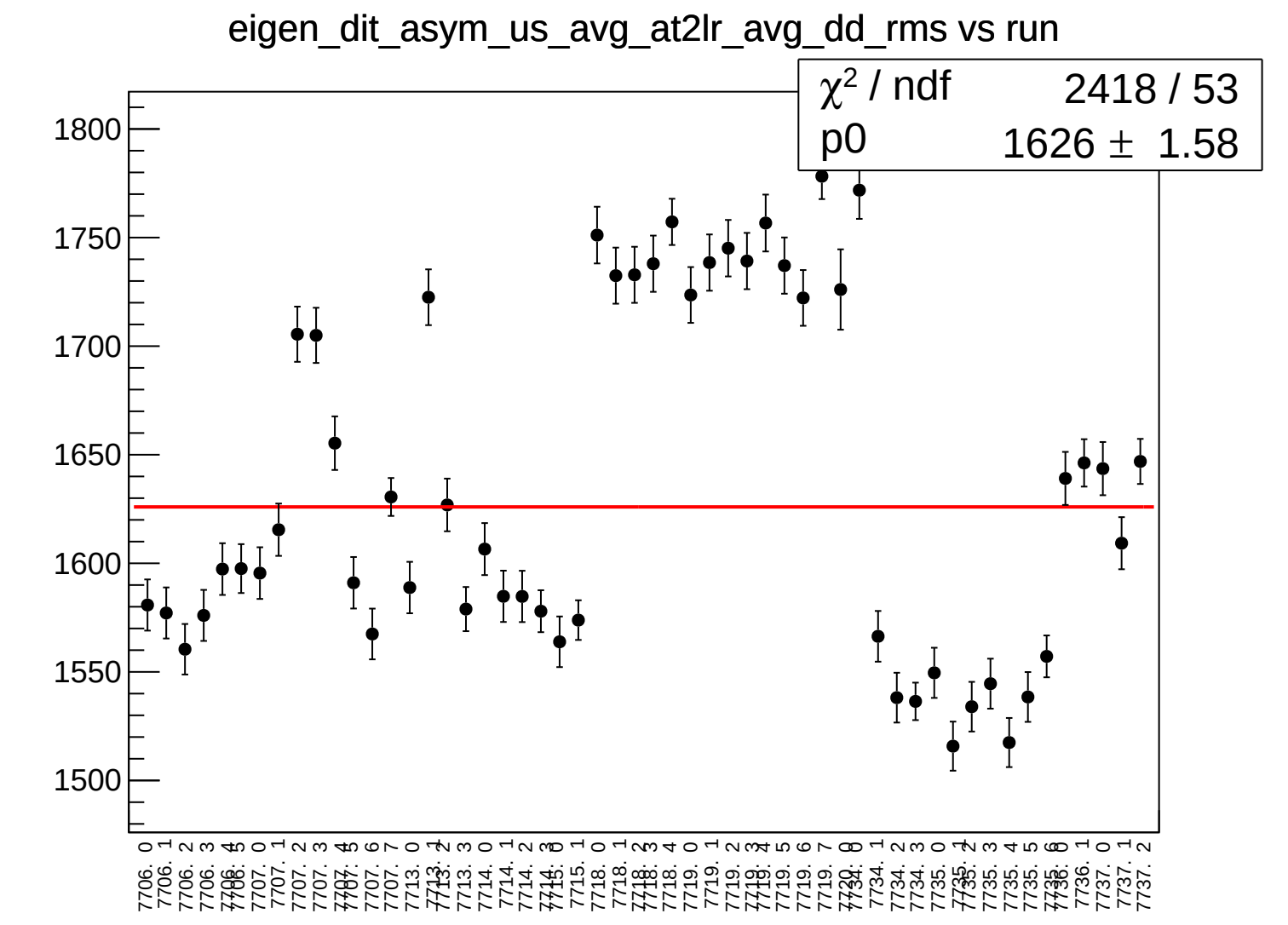

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2419 / 53
p0 1626 ± 1.58
1800
1750
1700
1650
1600
1550
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

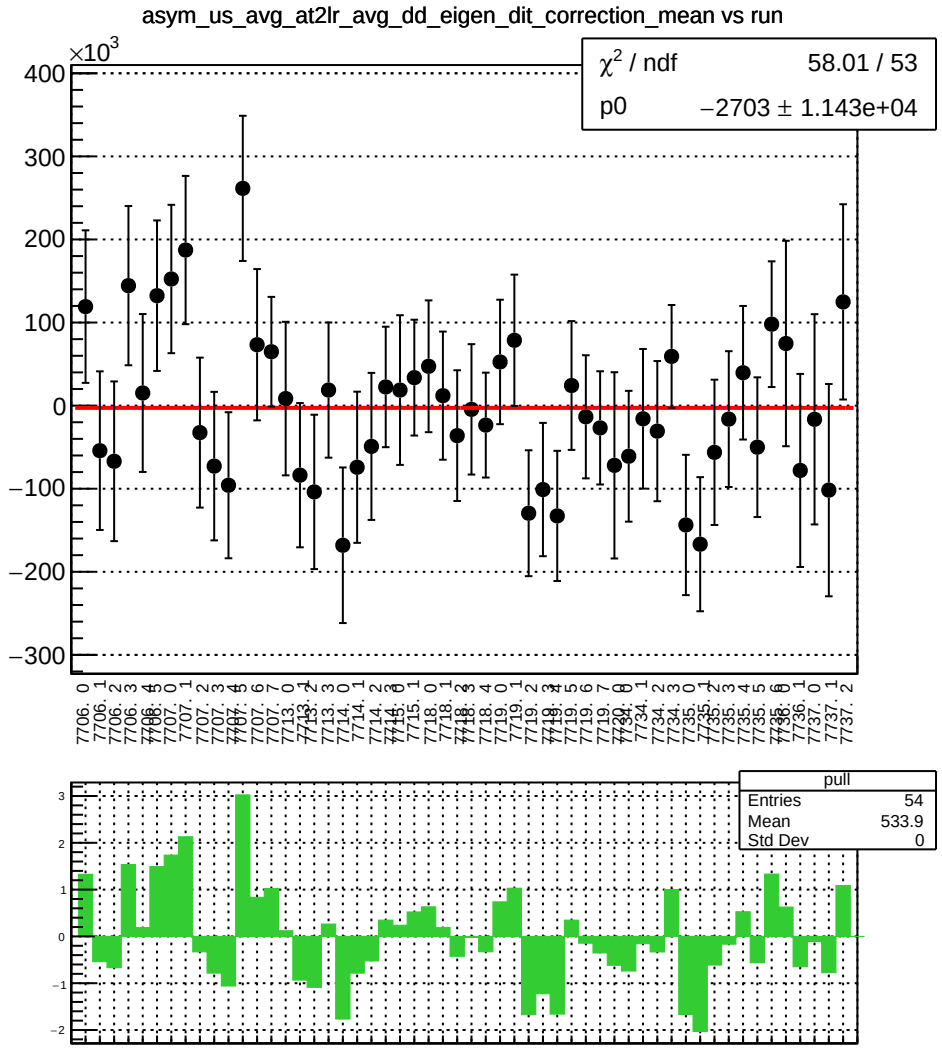

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 58.01 / 53
p0 −2703 ± 1.143e+04
pull
Entries 54
Mean 533.9
Std Dev 0
pull1D
Entries 54
Mean −0.008171
Std Dev 1.036

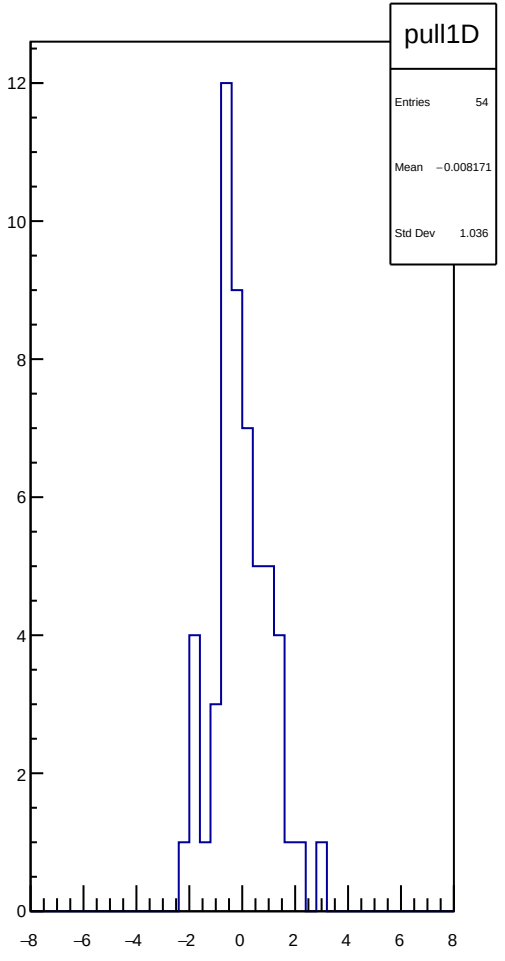

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.705e+04 / 53
p0 8265 ± 8.085
13000
12000
11000
10000
9000
8000
7000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

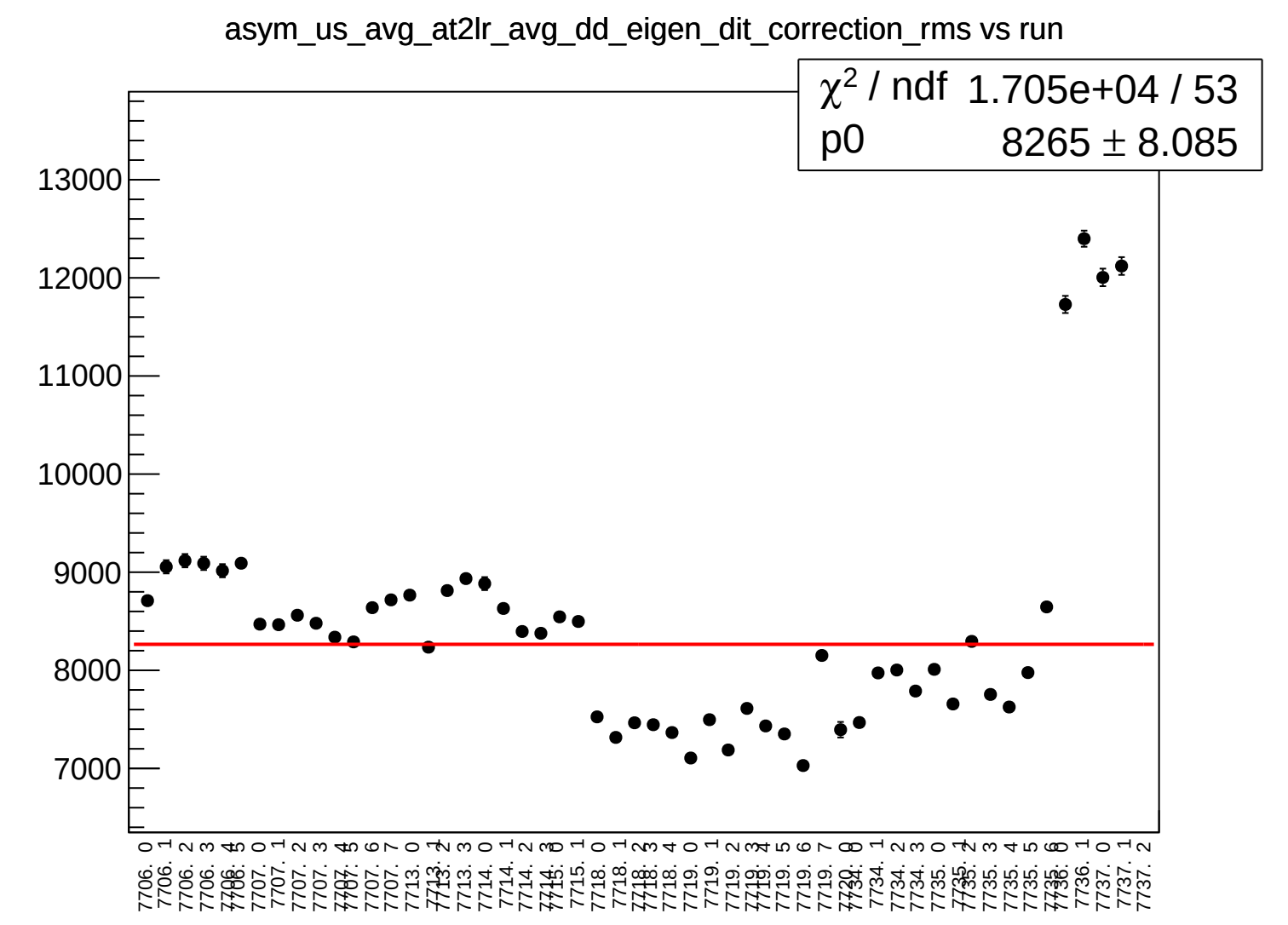

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 57.48 / 53
p0 −505.7 ± 2234
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 160
Std Dev 0
1
0
−1
−2
−3

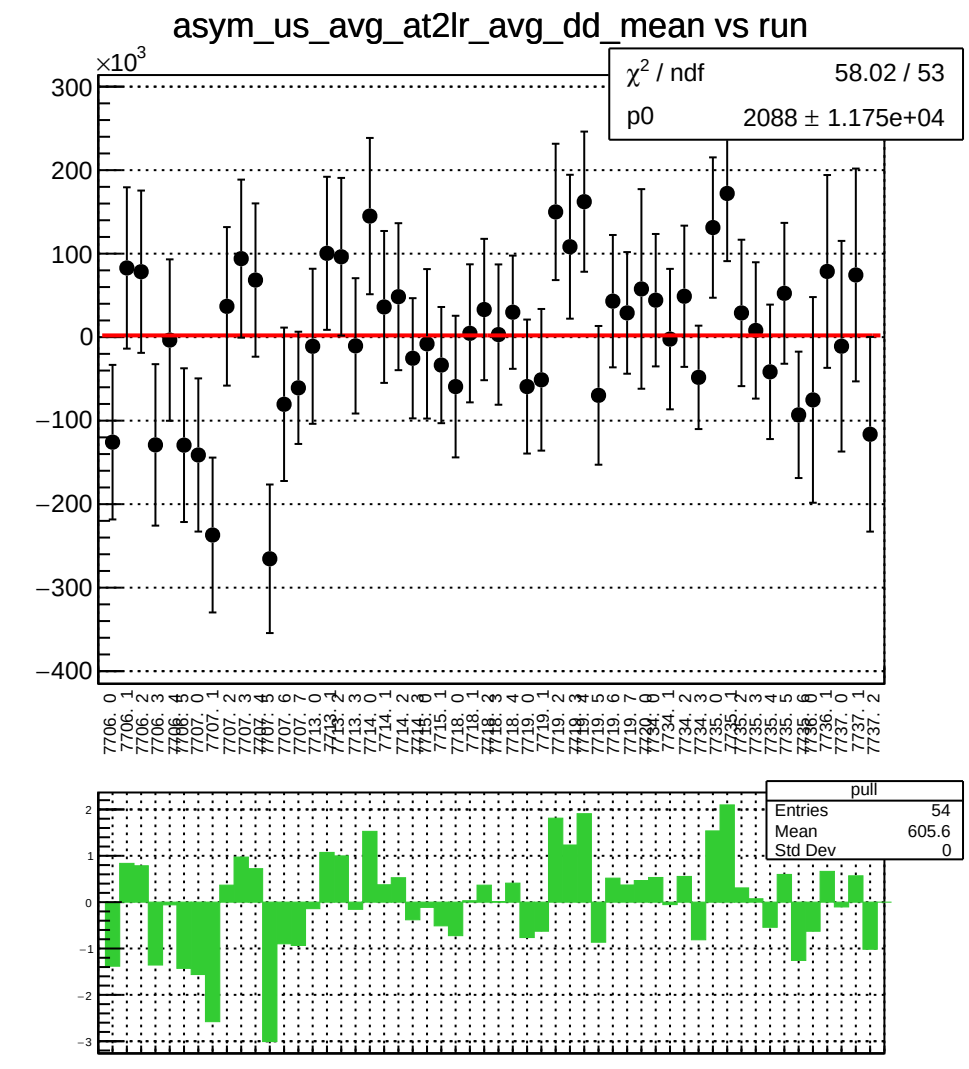

pull1D
Entries 54
Mean −0.0149
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

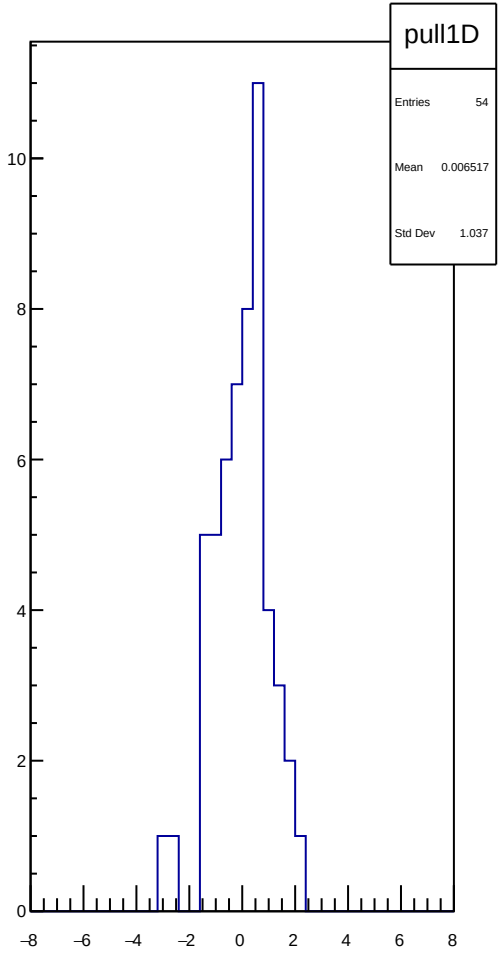

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2418 / 53
p0 1626 ± 1.58
1800
1750
1700
1650
1600
1550
1500

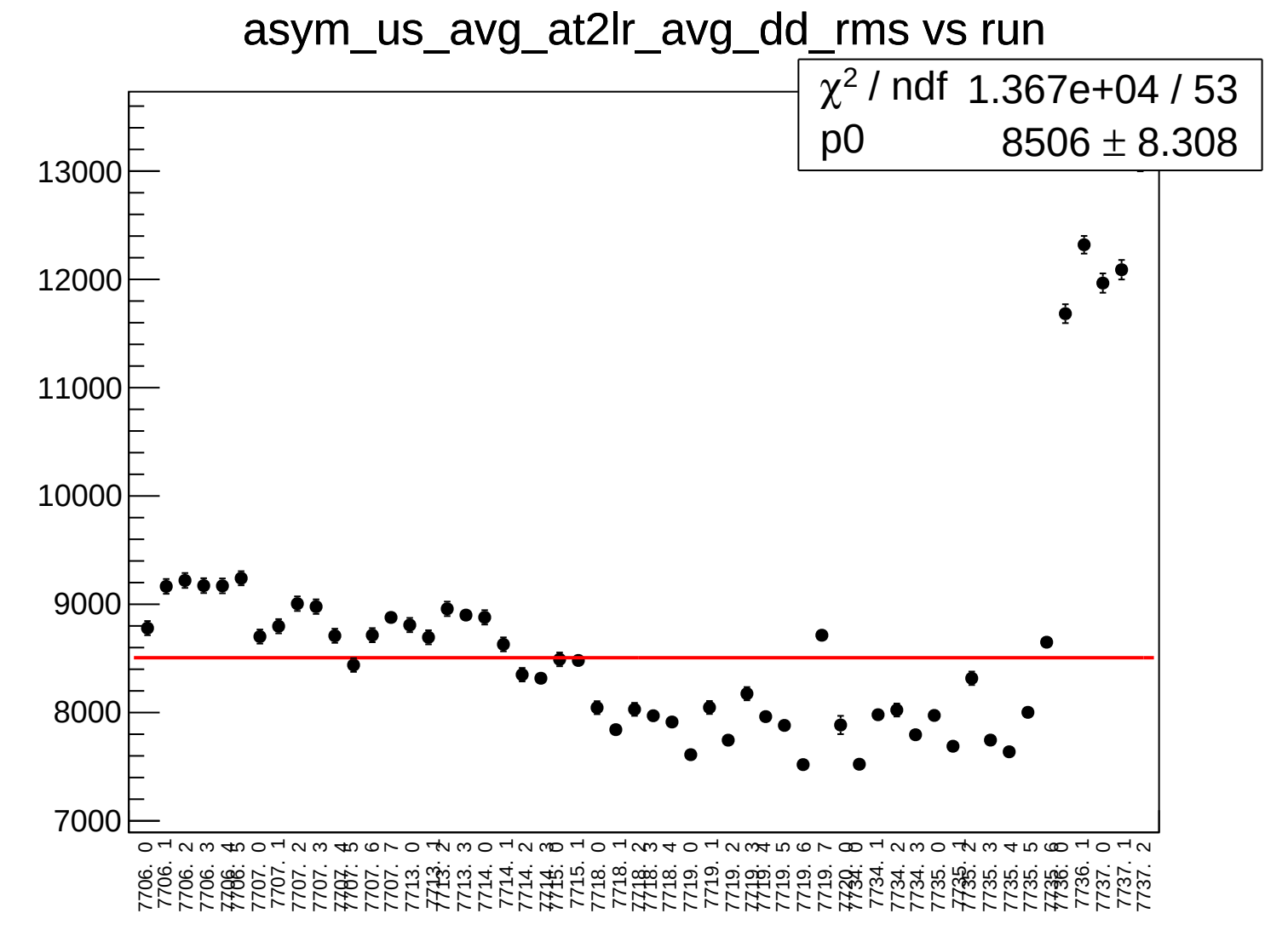

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.01 / 53
p0 −2703 ± 1.143e+04
pull
Entries 54
Mean 533.9
Std Dev 0

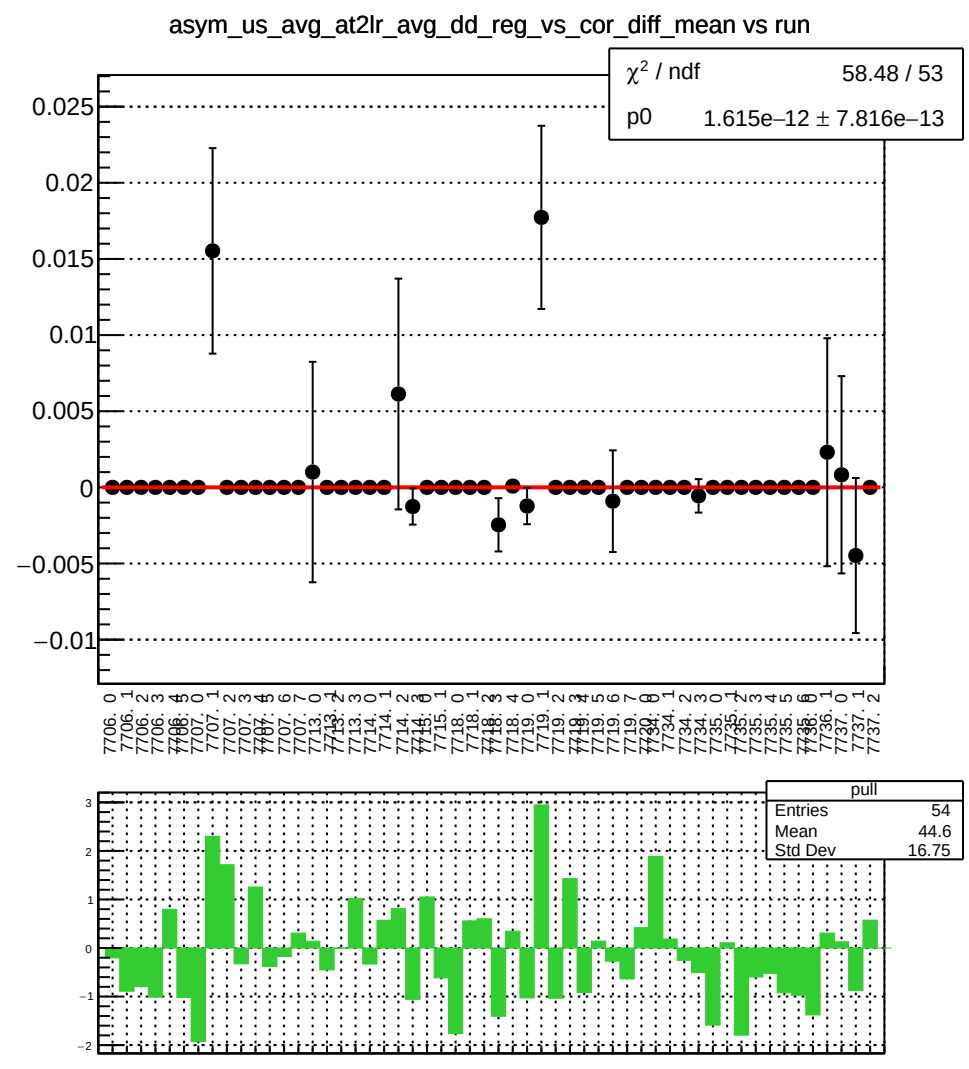

pull1D
Entries 54
Mean −0.008171
Std Dev 1.036

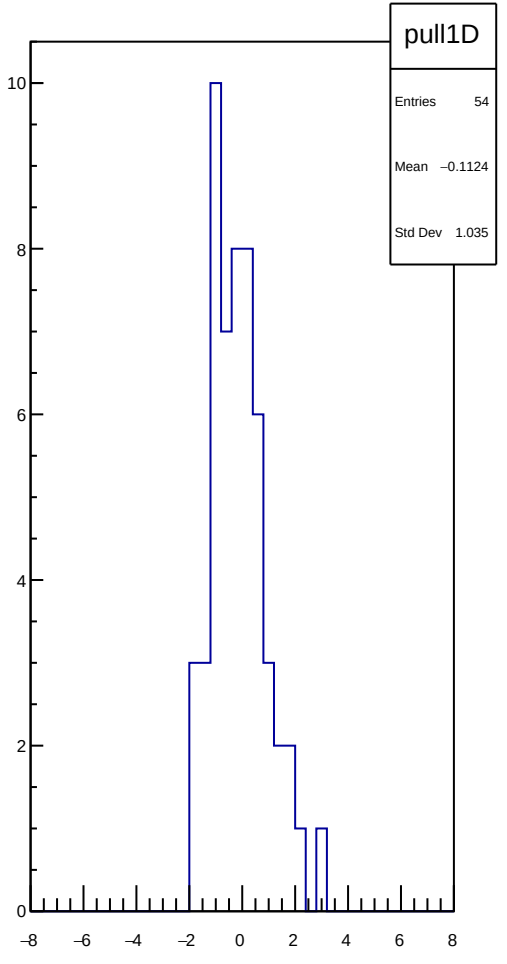

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.705e+04 / 53
p0 8265 ± 8.085
13000
12000
11000
10000
9000
8000
7000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

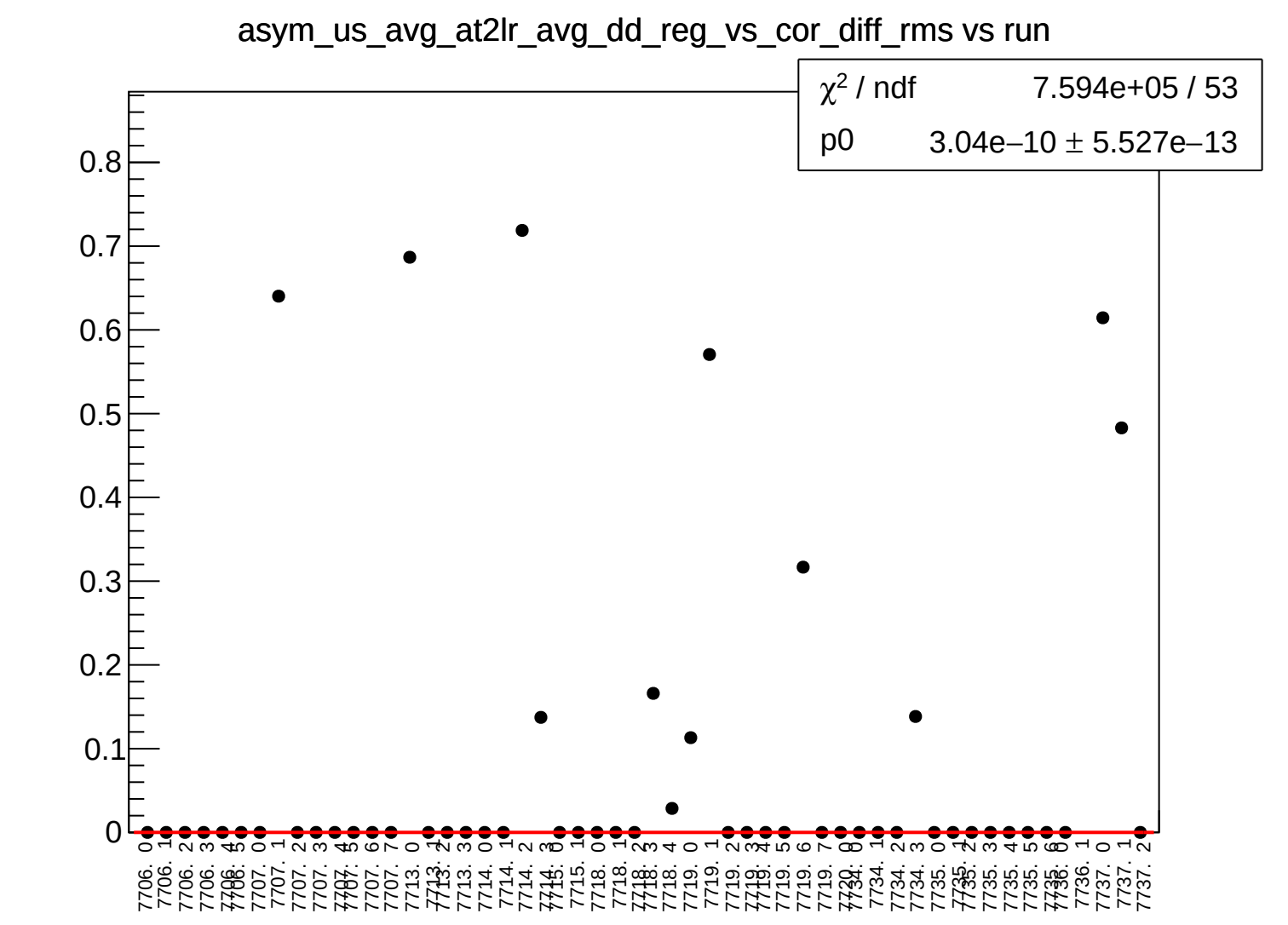

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 58.02 / 53
p0 2088 ± 1.175e+04
pull
Entries 54
Mean 605.6
Std Dev 0

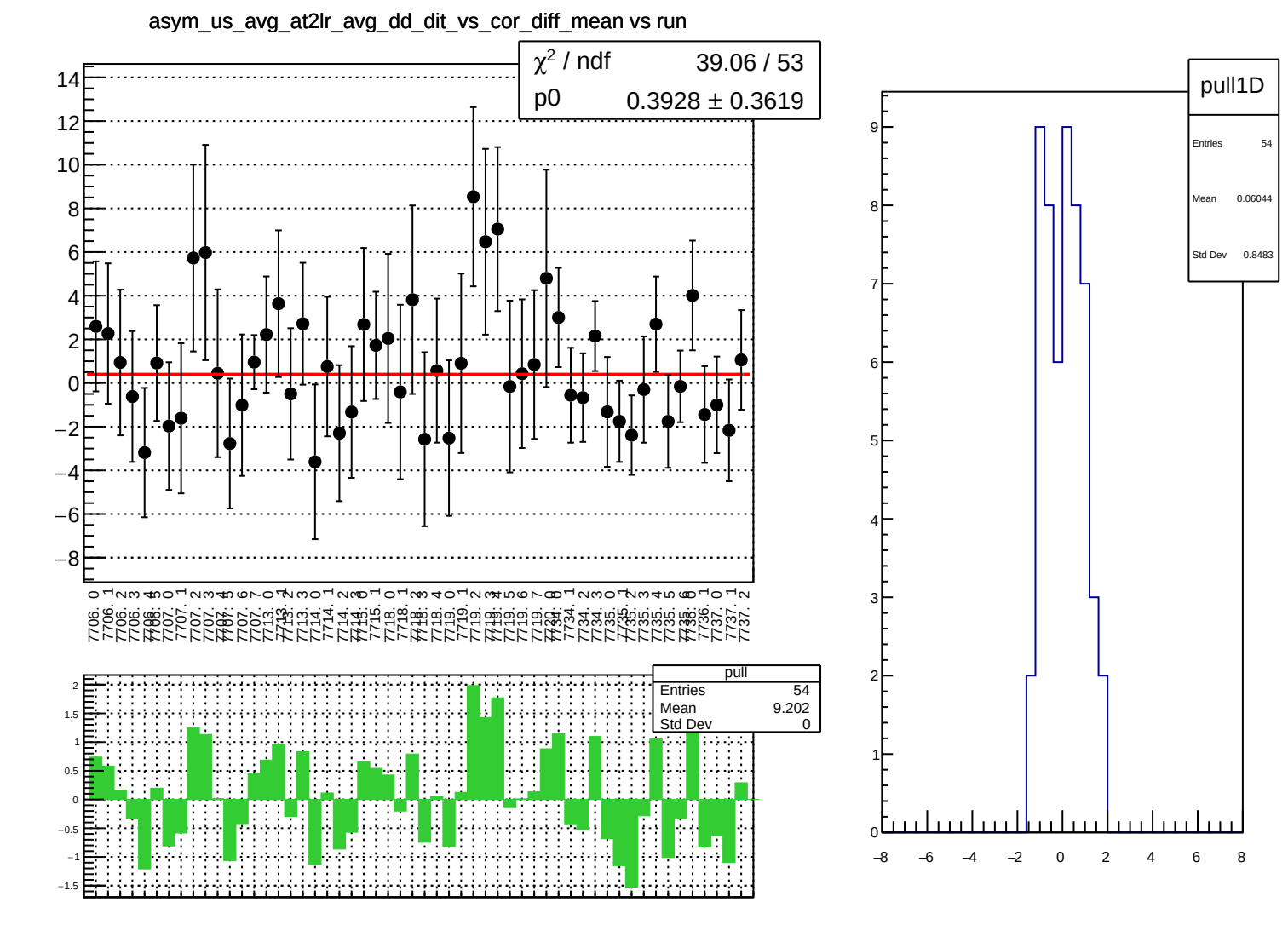

pull1D
Entries 54
Mean 0.006517
Std Dev 1.037

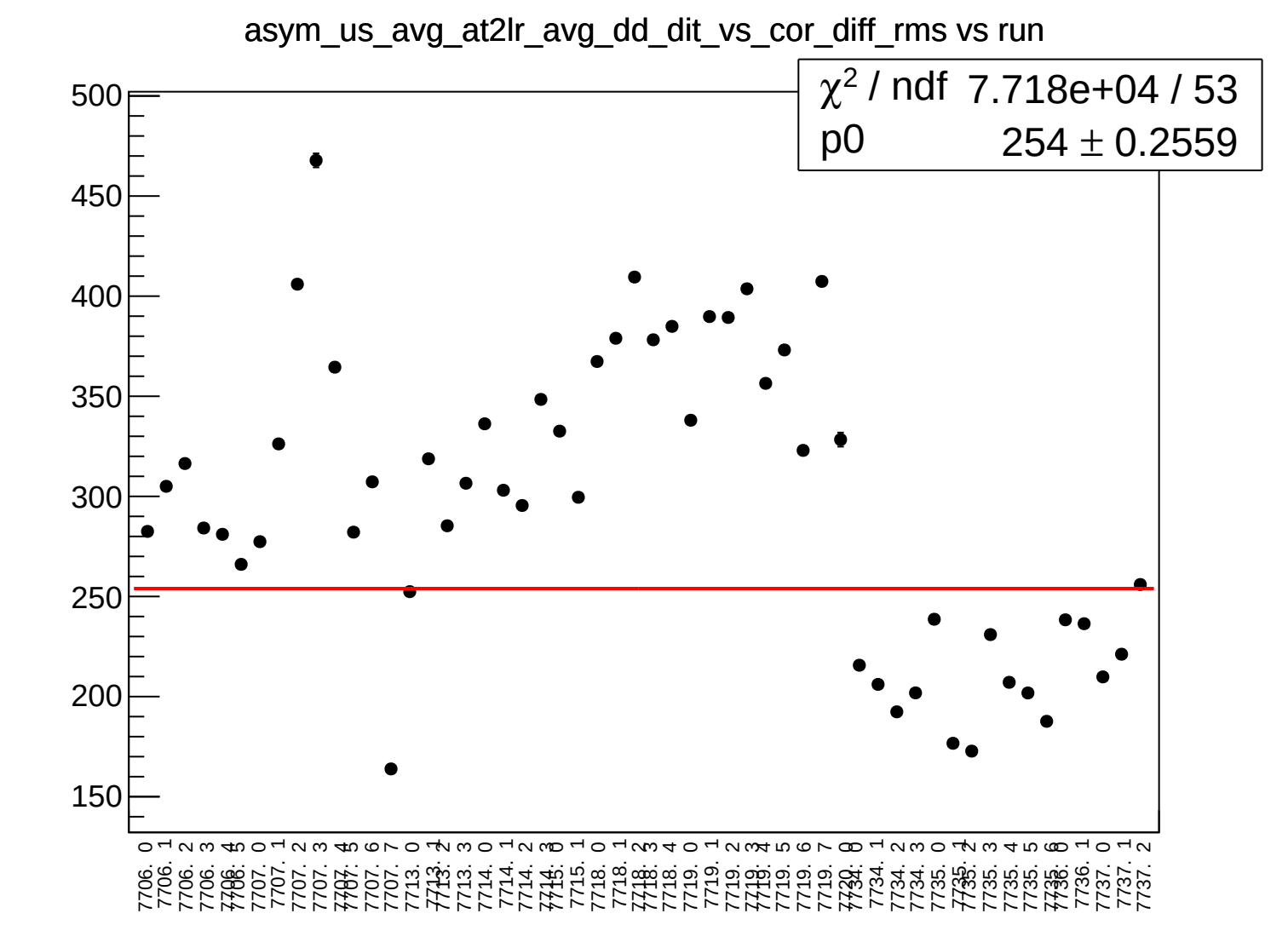

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1.367e+04 / 53
p0 8506 ± 8.308
13000
12000
11000
10000
9000
8000
7000

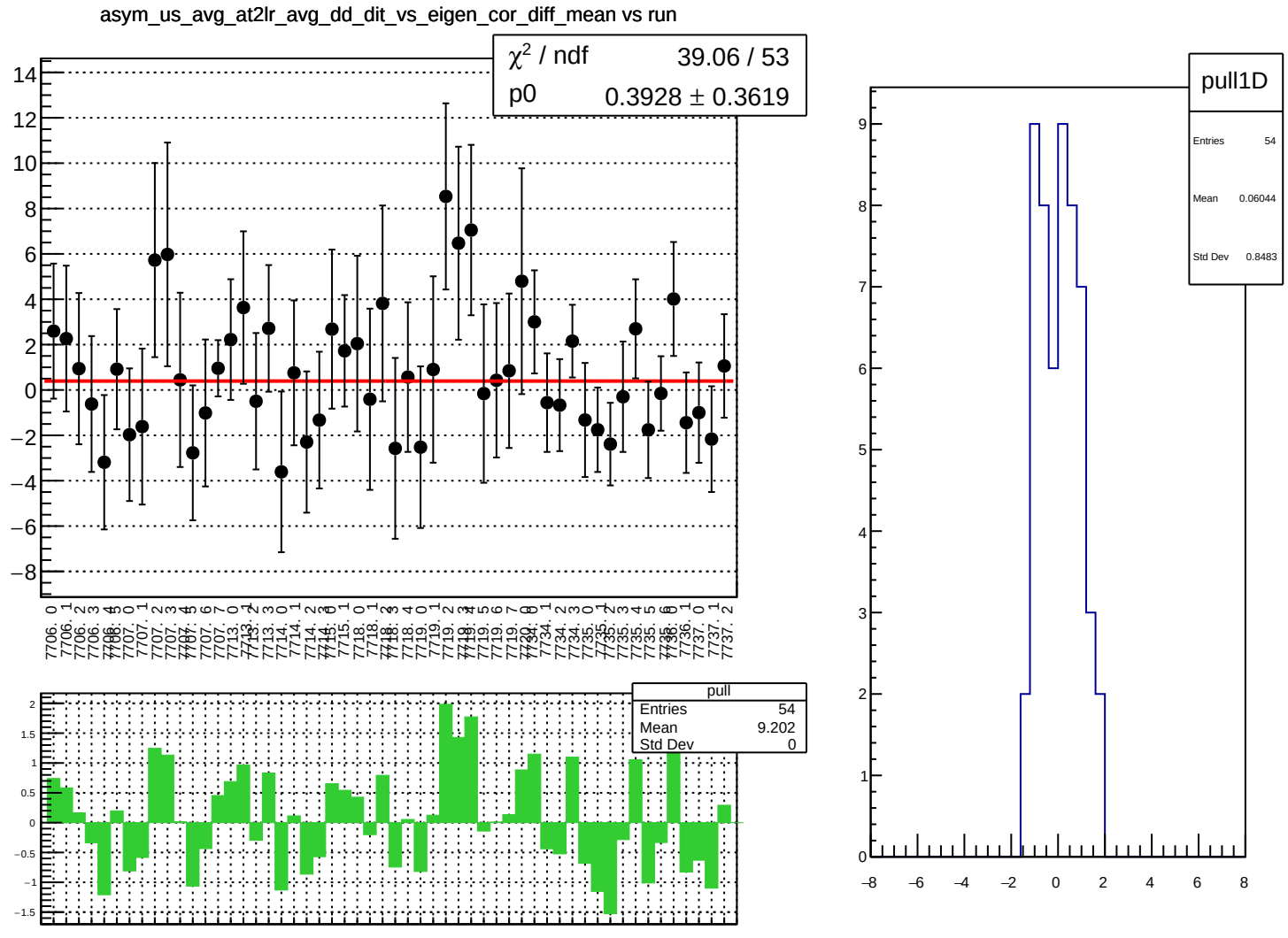

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.48 / 53
p0 1.615e−12 ± 7.816e−13
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 44.6
Std Dev 16.75
3
2
1
0
−1
−2

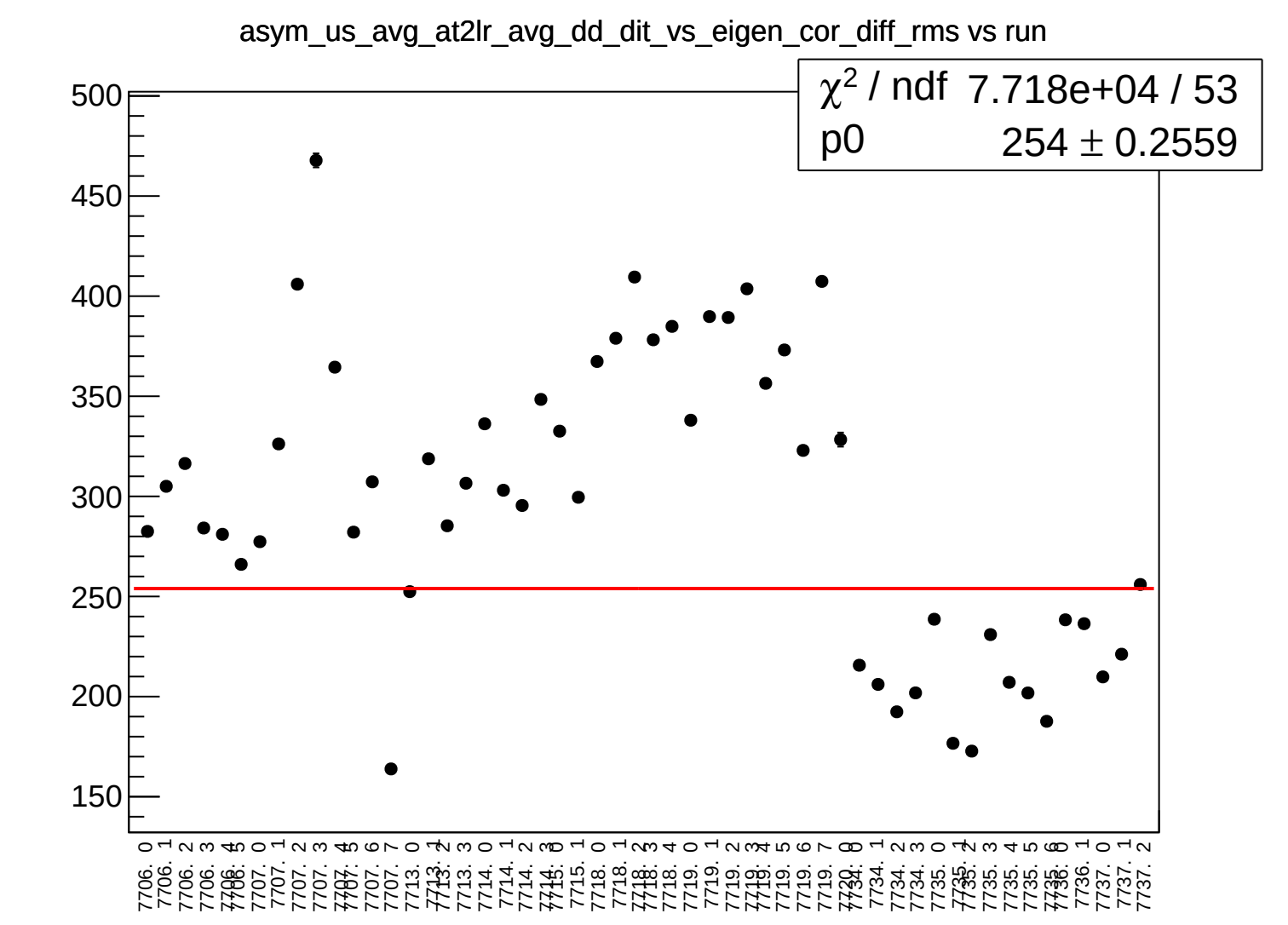

pull1D
Entries 54
Mean −0.1124
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

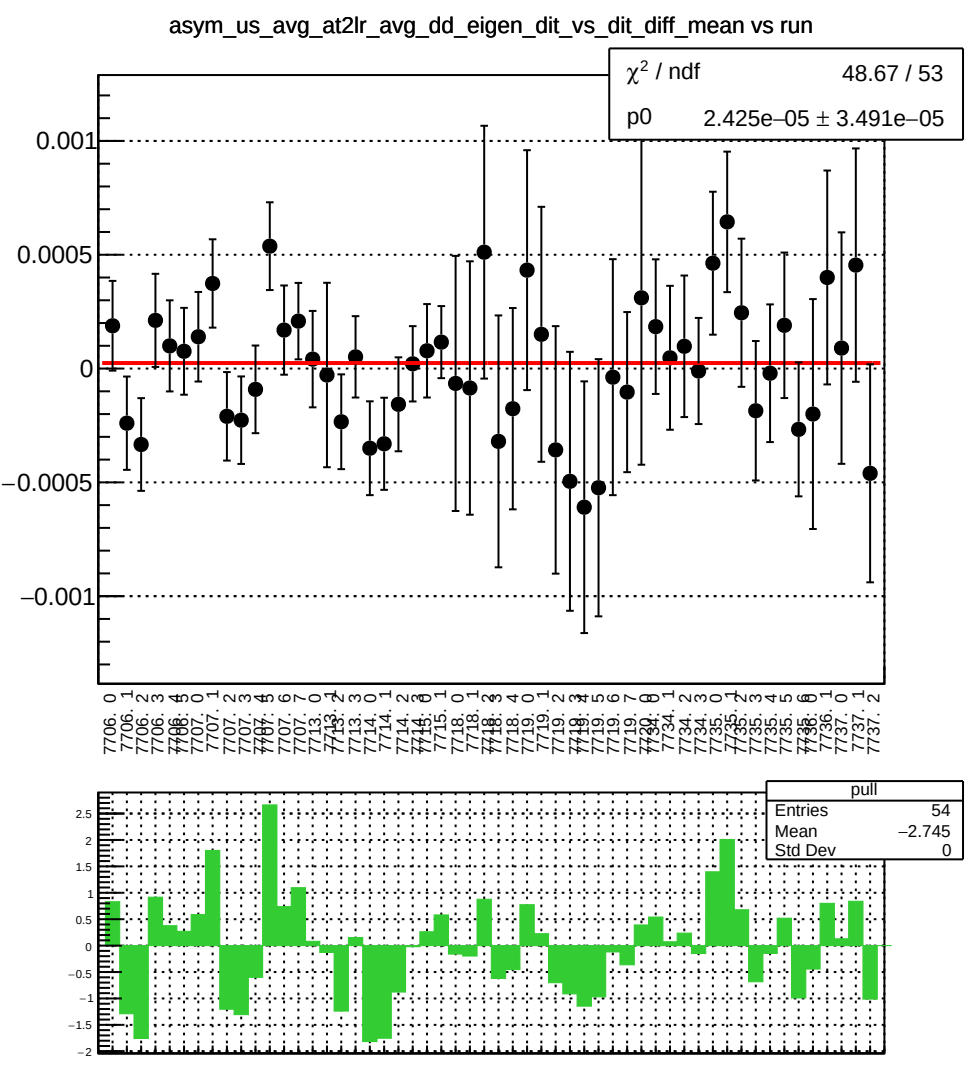

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.594e+05 / 53
p0 3.04e−10 ± 5.527e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

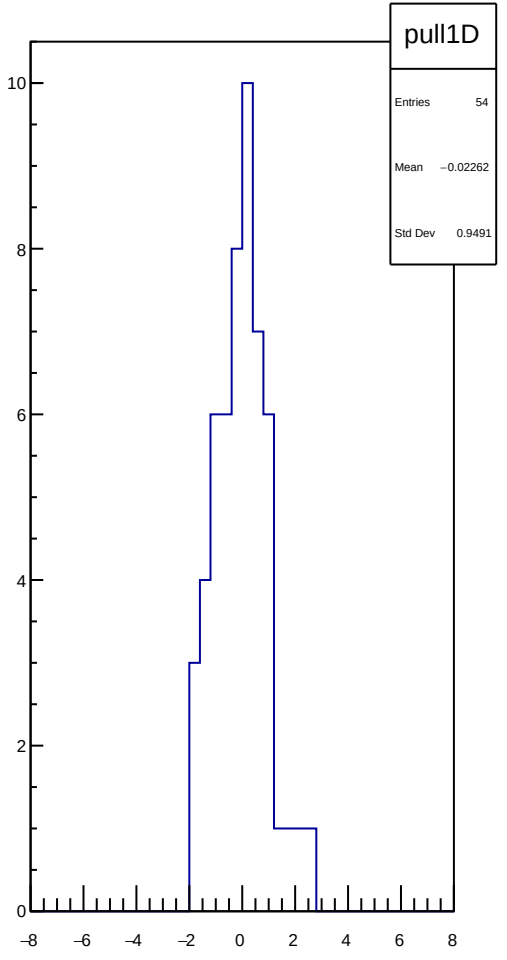

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.06 / 53
p0 0.3928 ± 0.3619
pull
Entries 54
Mean 9.202
Std Dev 0
pull1D
Entries 54
Mean 0.06044
Std Dev 0.8483

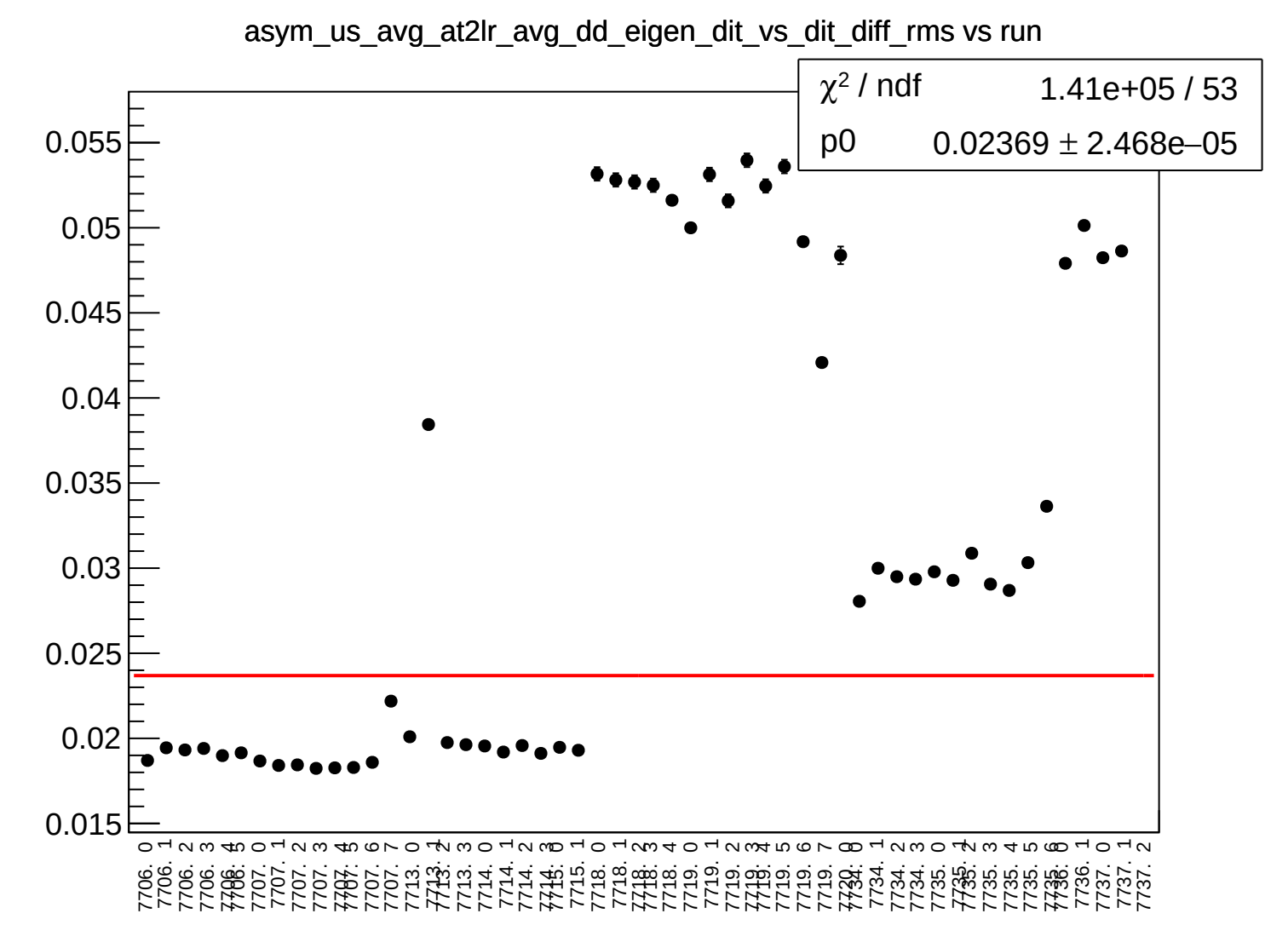

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.718e+04 / 53
p0 254 ± 0.2559
500
450
400
350
300
250
200
150


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.06 / 53
p0 0.3928 ± 0.3619
pull
Entries 54
Mean 9.202
Std Dev 0
pull1D
Entries 54
Mean 0.06044
Std Dev 0.8483

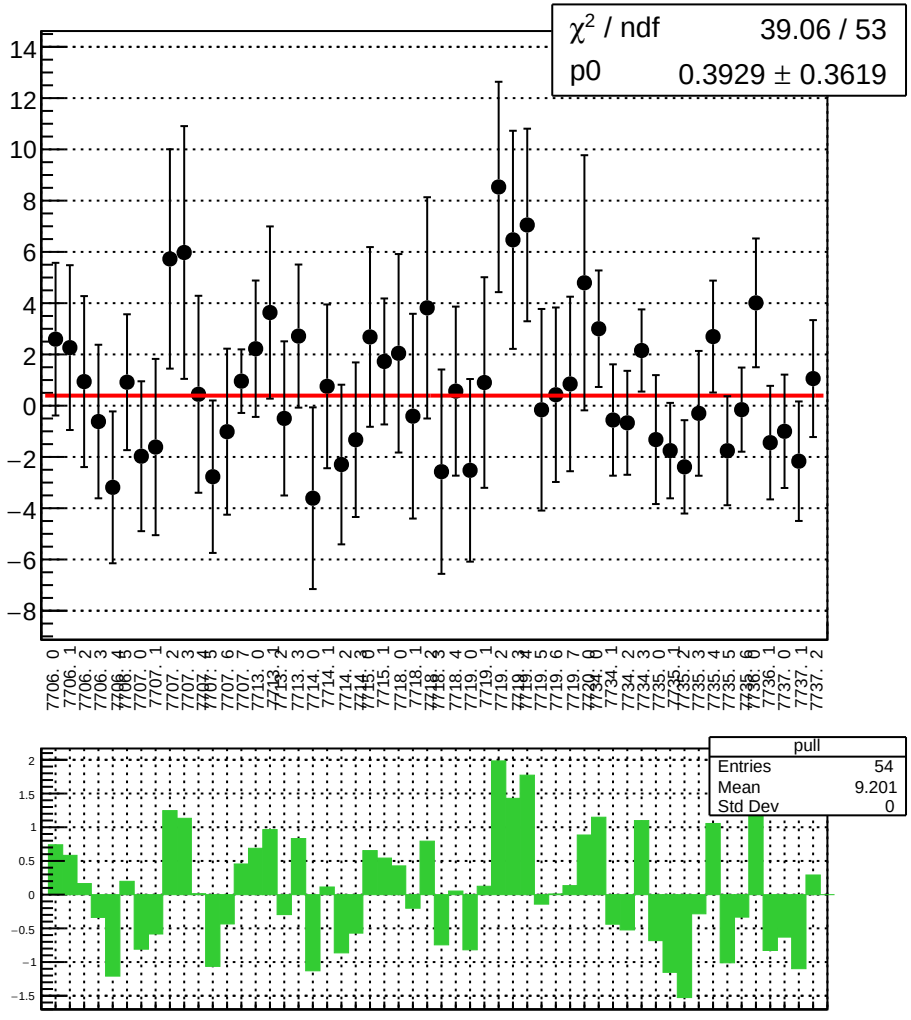

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.718e+04 / 53
p0 254 ± 0.2559
500
450
400
350
300
250
200
150

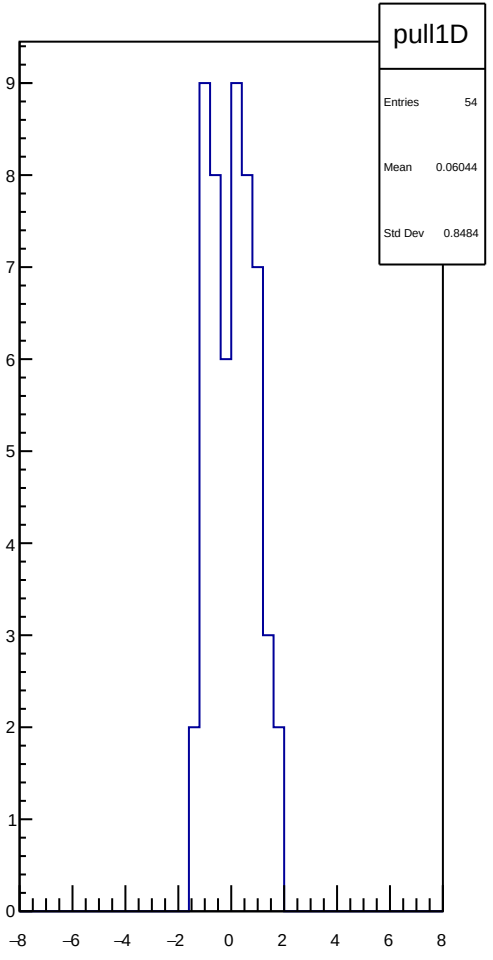

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.67 / 53
p0 2.425e−05 ± 3.491e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −2.745
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

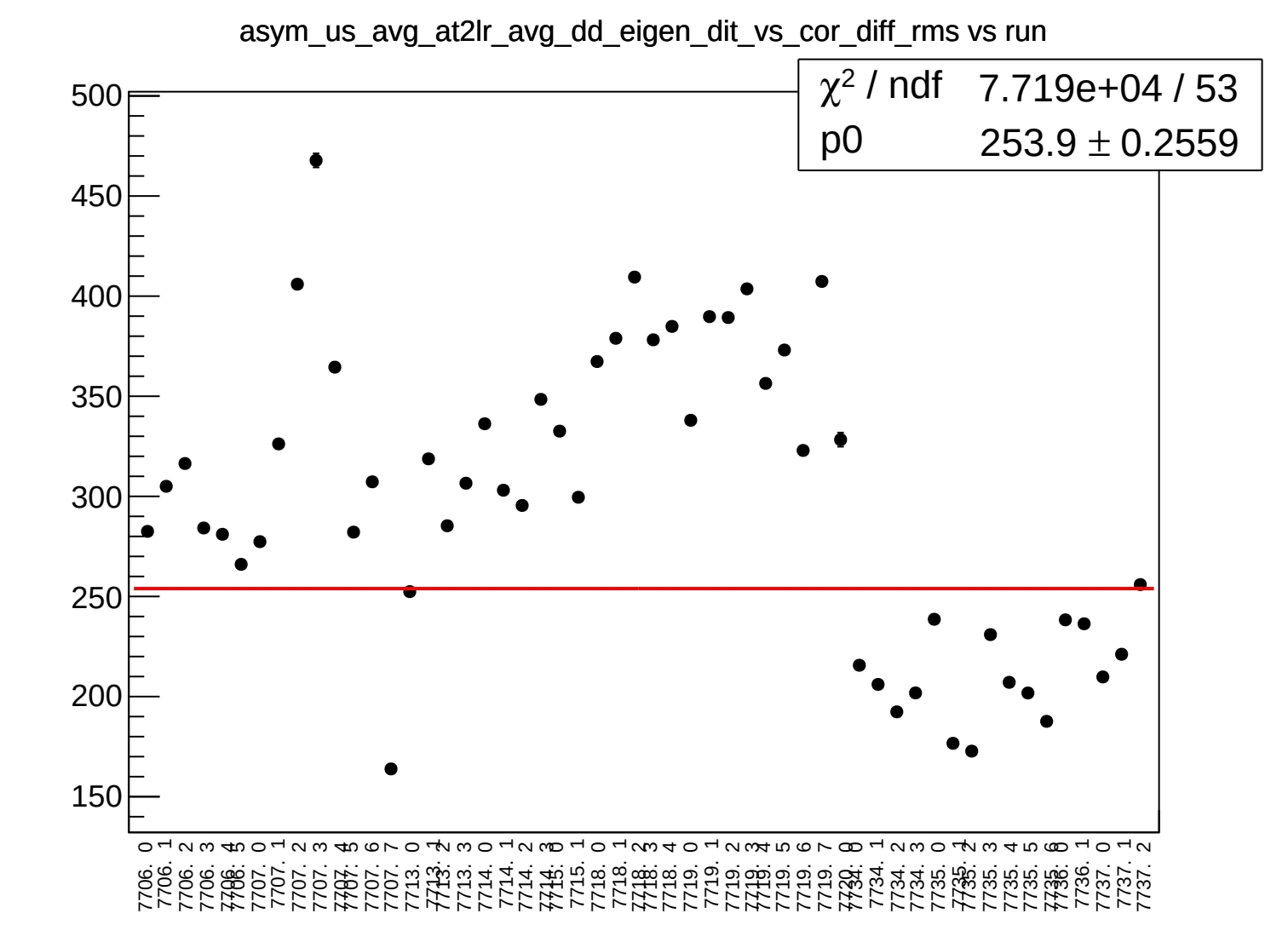

pull1D
Entries 54
Mean −0.02262
Std Dev 0.9491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

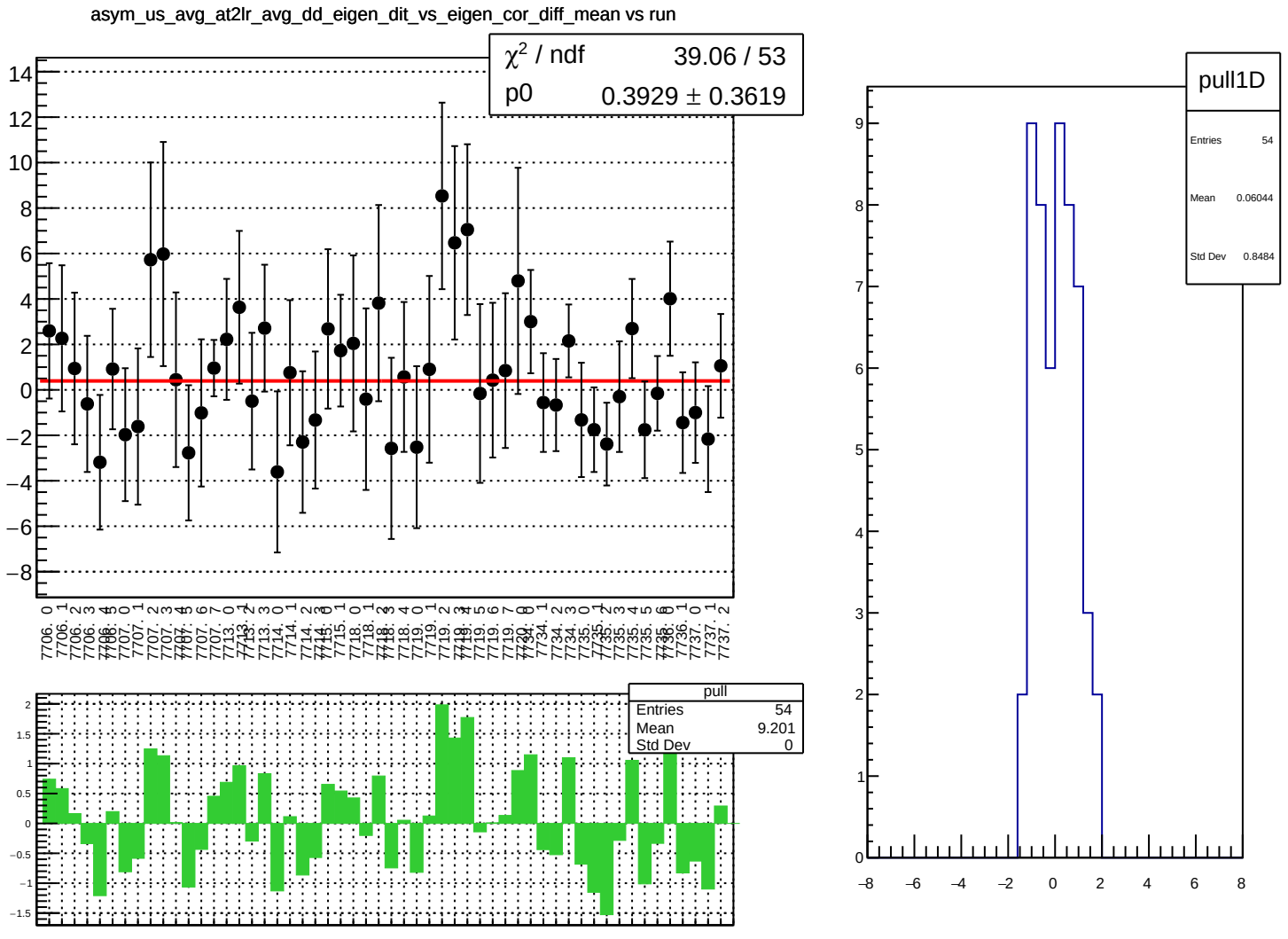

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.41e+05 / 53
p0 0.02369 ± 2.468e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

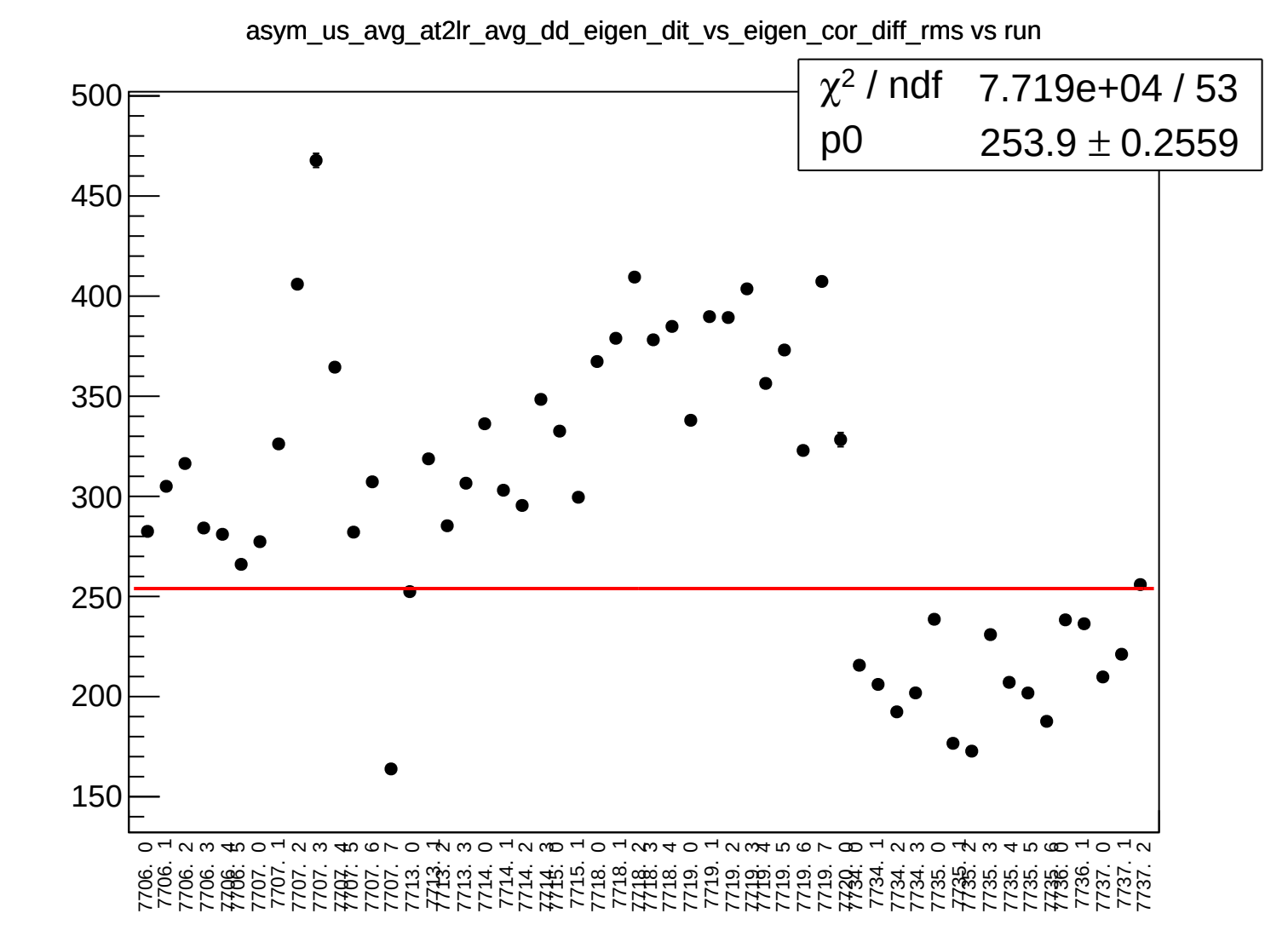
asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run

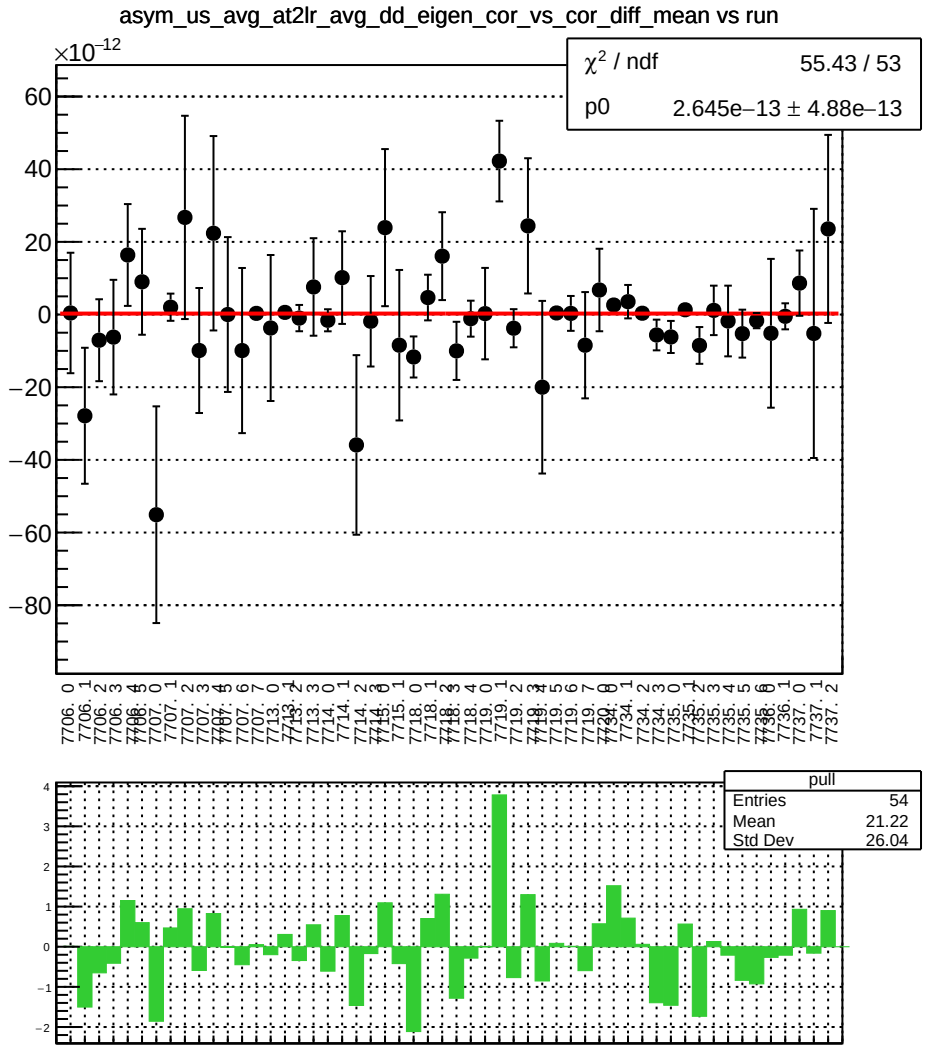


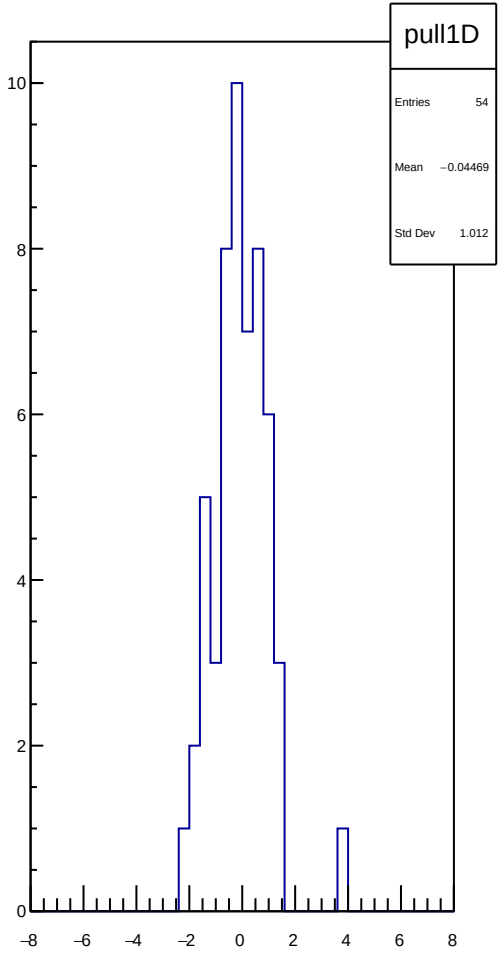


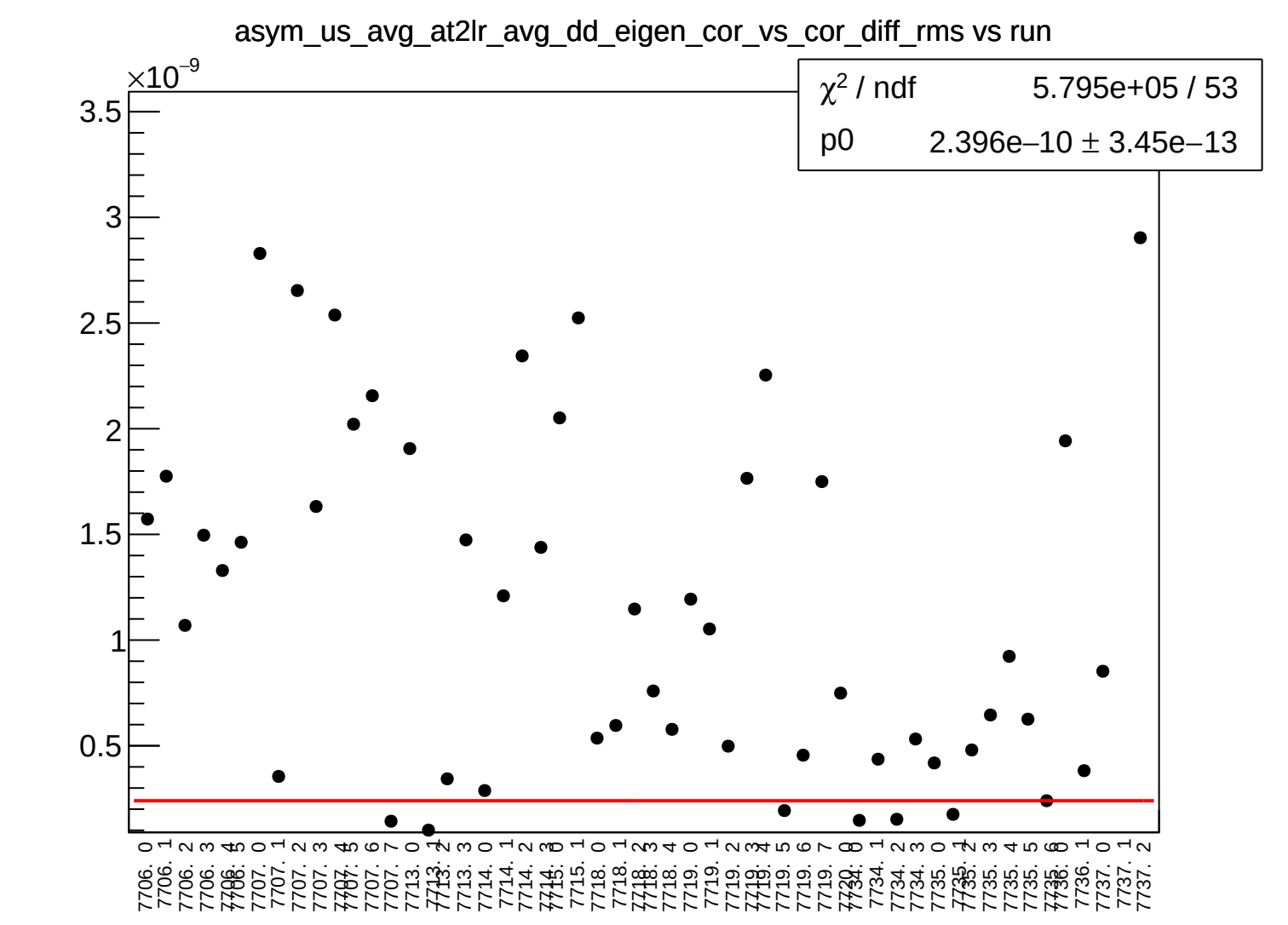

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.719e+04 / 53
p0 253.9 ± 0.2559
500
450
400
350
300
250
200
150

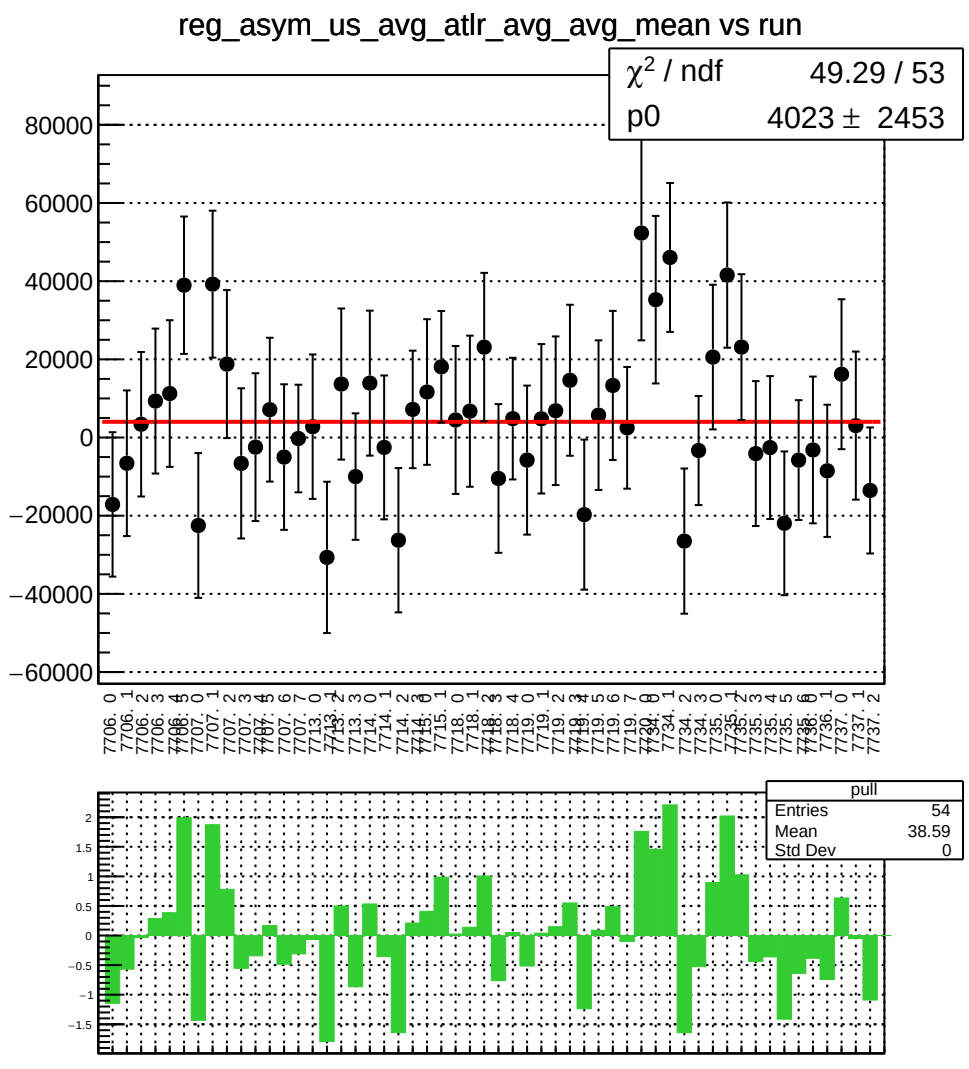

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.06 / 53
p0 0.3929 ± 0.3619
pull
Entries 54
Mean 9.201
Std Dev 0
pull1D
Entries 54
Mean 0.06044
Std Dev 0.8484

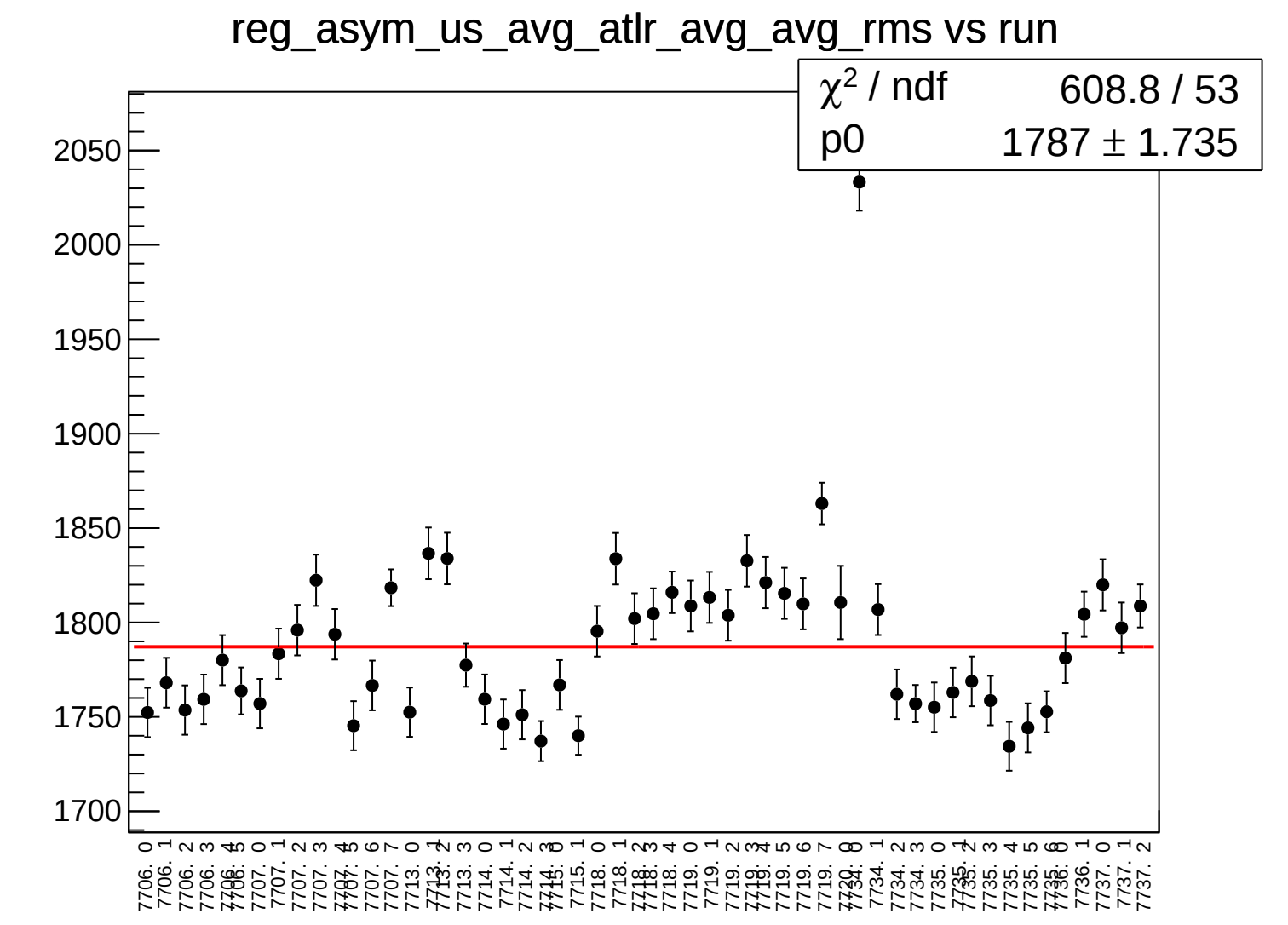

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.719e+04 / 53
p0 253.9 ± 0.2559
500
450
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

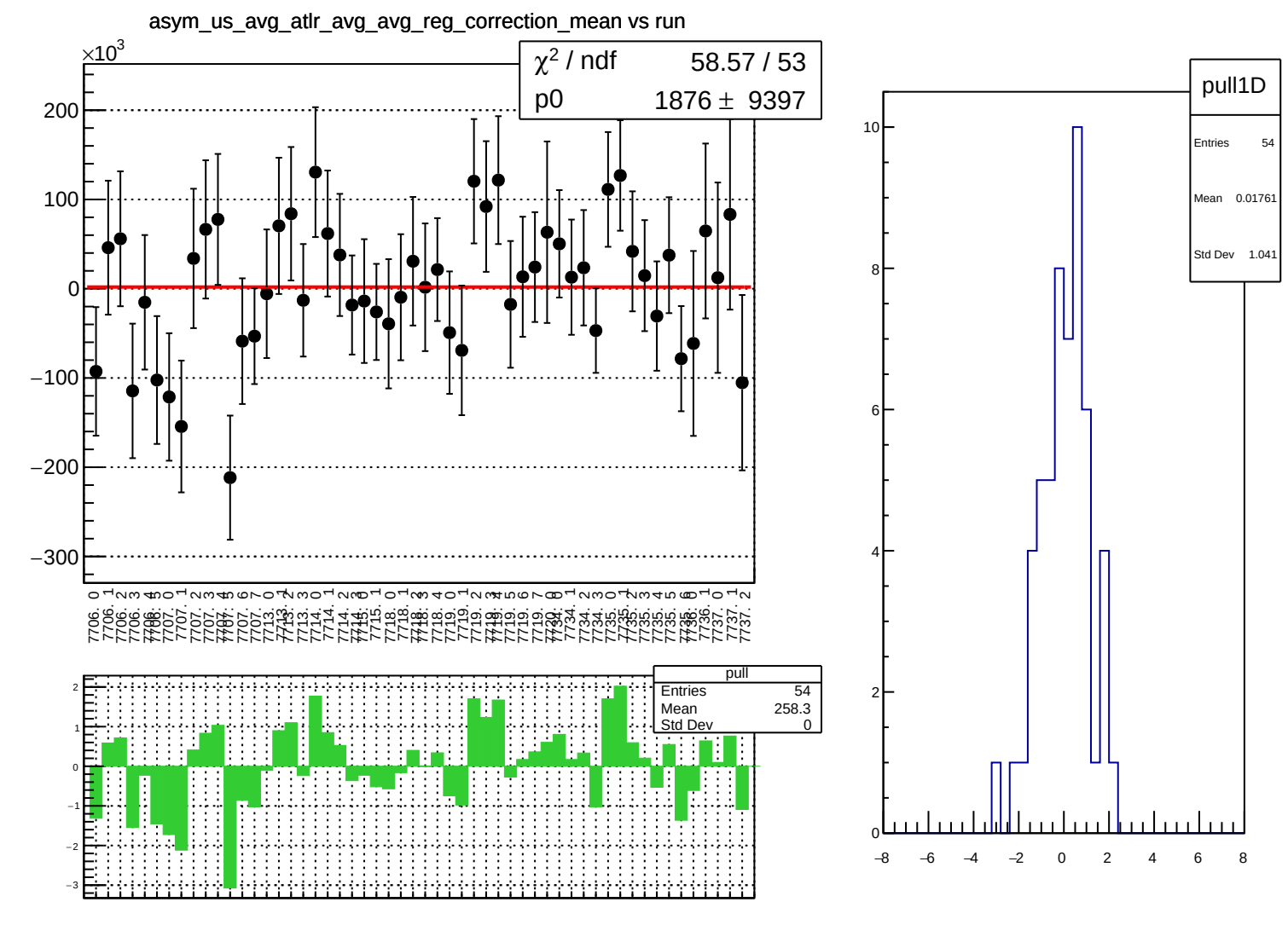

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.43 / 53
p0 2.645e−13 ± 4.88e−13
pull
Entries 54
Mean 21.22
Std Dev 26.04

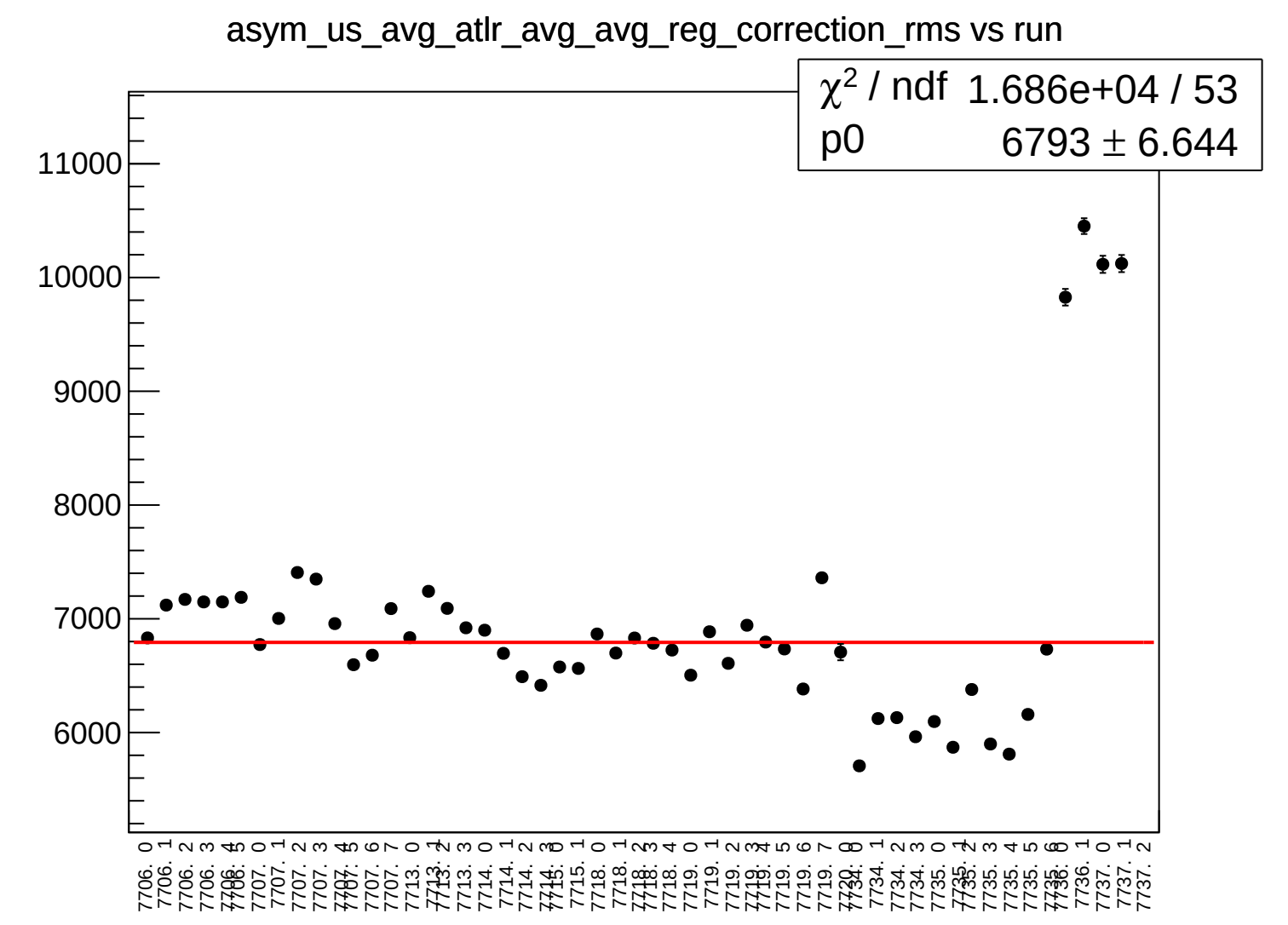

pull1D
Entries 54
Mean −0.04469
Std Dev 1.012

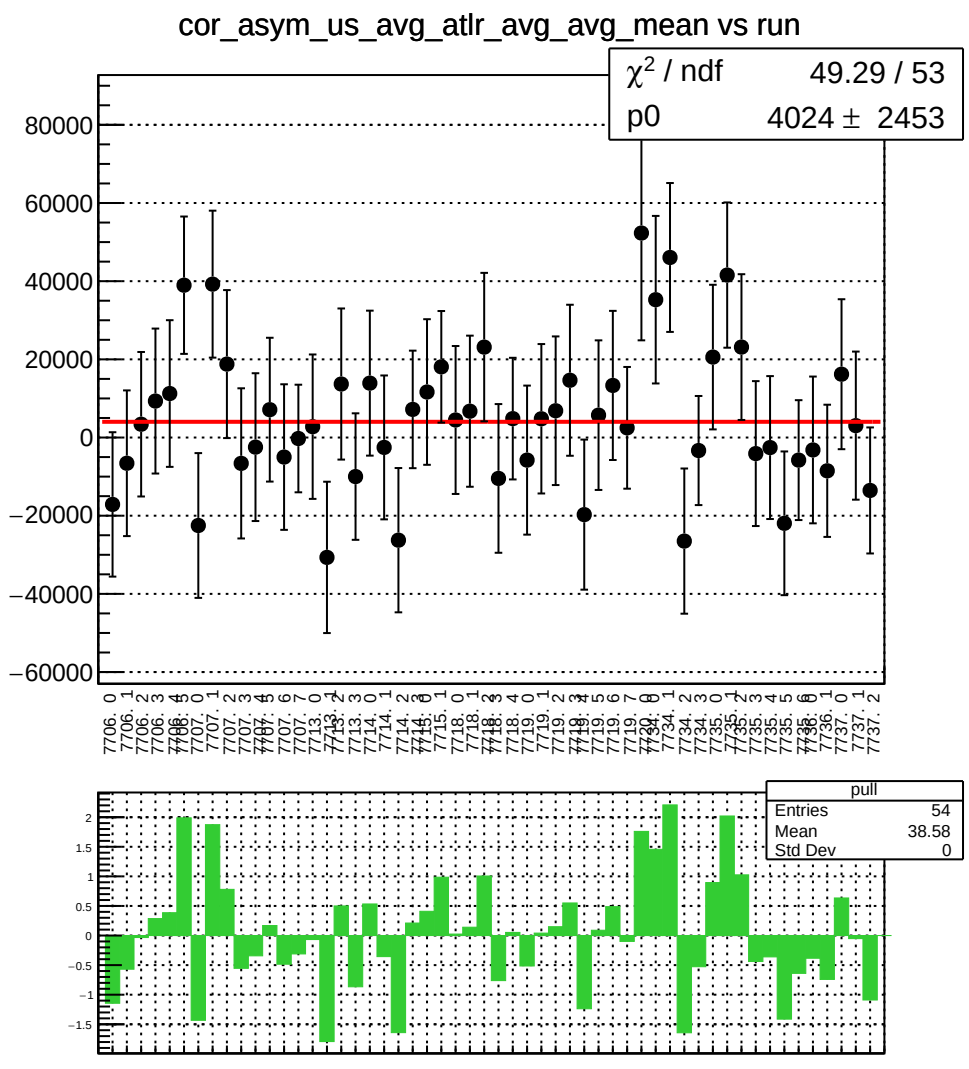

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.795e+05 / 53
p0 2.396e−10 ± 3.45e−13
3.5
3
2.5
2
1.5
1
0.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

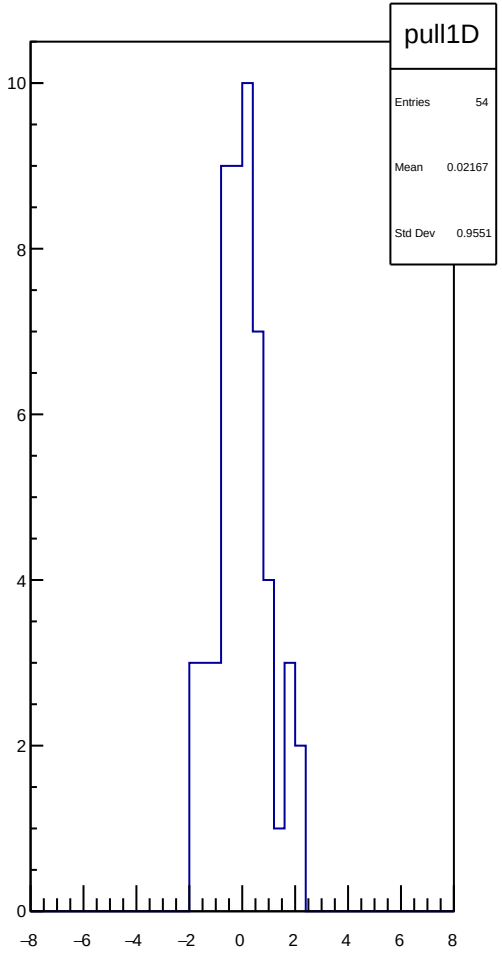

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.29 / 53
p0 4023 ± 2453
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 38.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.02166
Std Dev 0.9551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

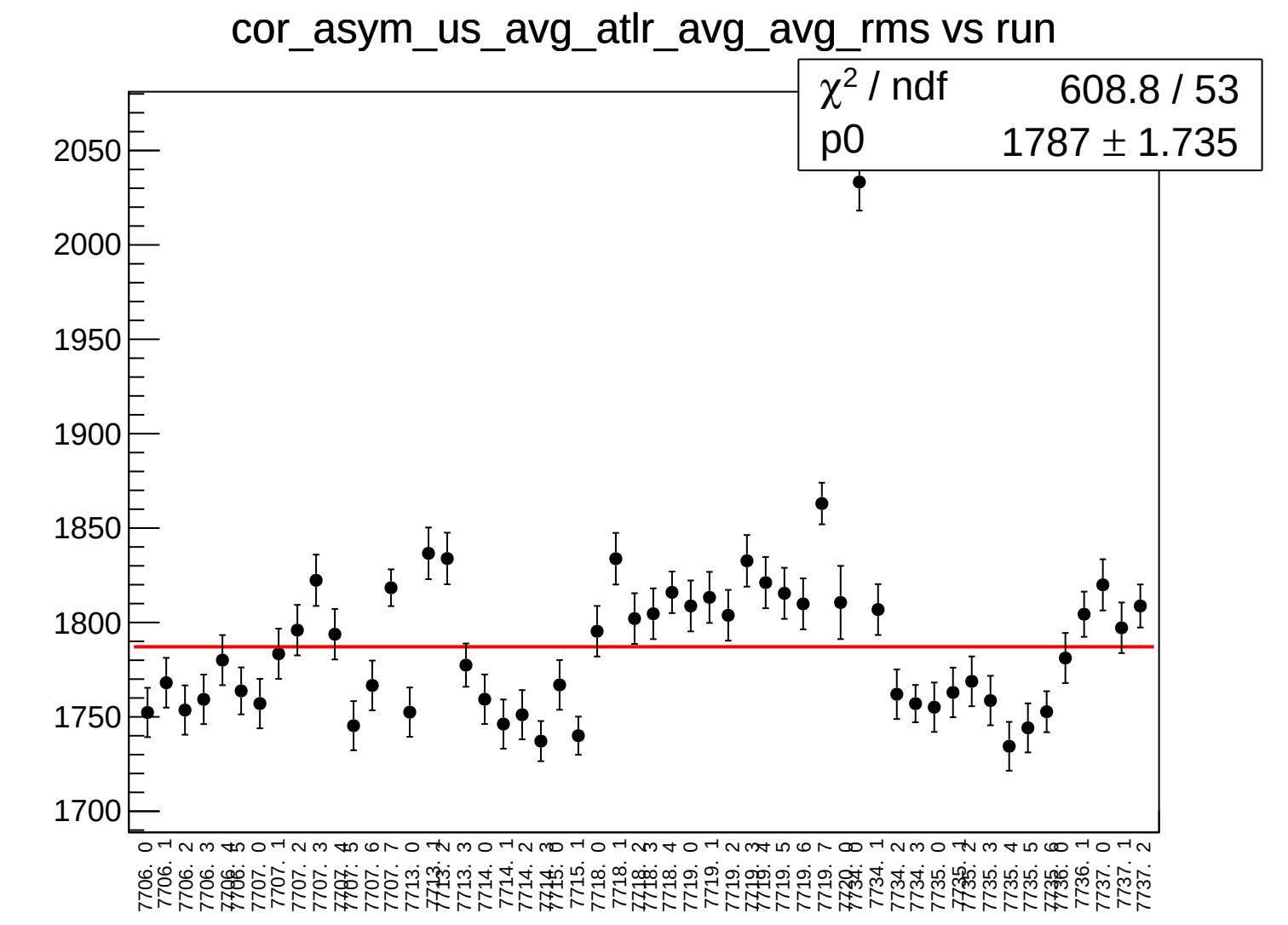

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 608.8 / 53
p0 1787 ± 1.735
2050
2000
1950
1900
1850
1800
1750
1700

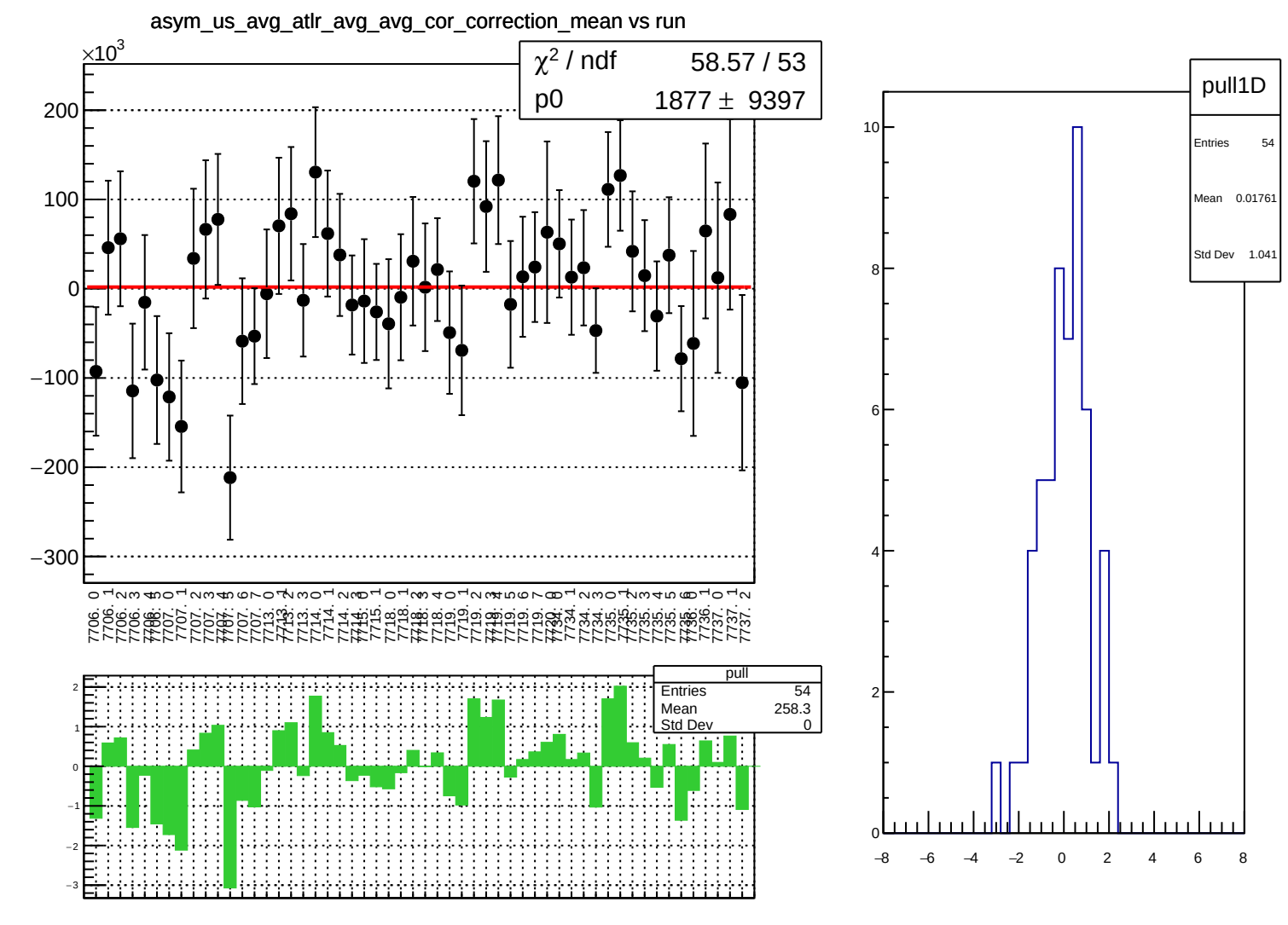

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 58.57 / 53
p0 1876 ± 9397
200
100
0
−100
−200
−300
pull
Entries 54
Mean 258.3
Std Dev 0
pull1D
Entries 54
Mean 0.01761
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

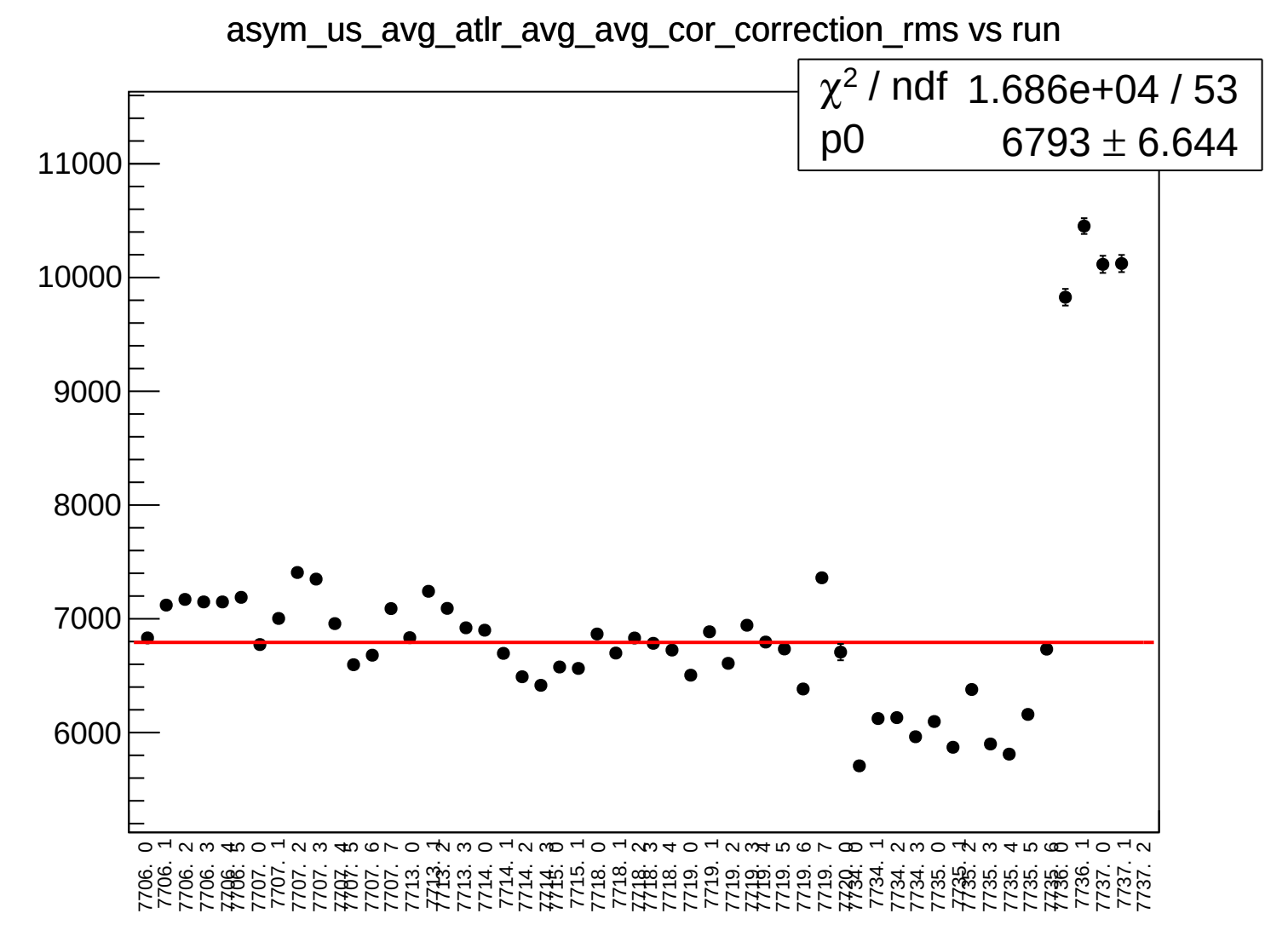

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.686e+04 / 53
p0 6793 ± 6.644
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

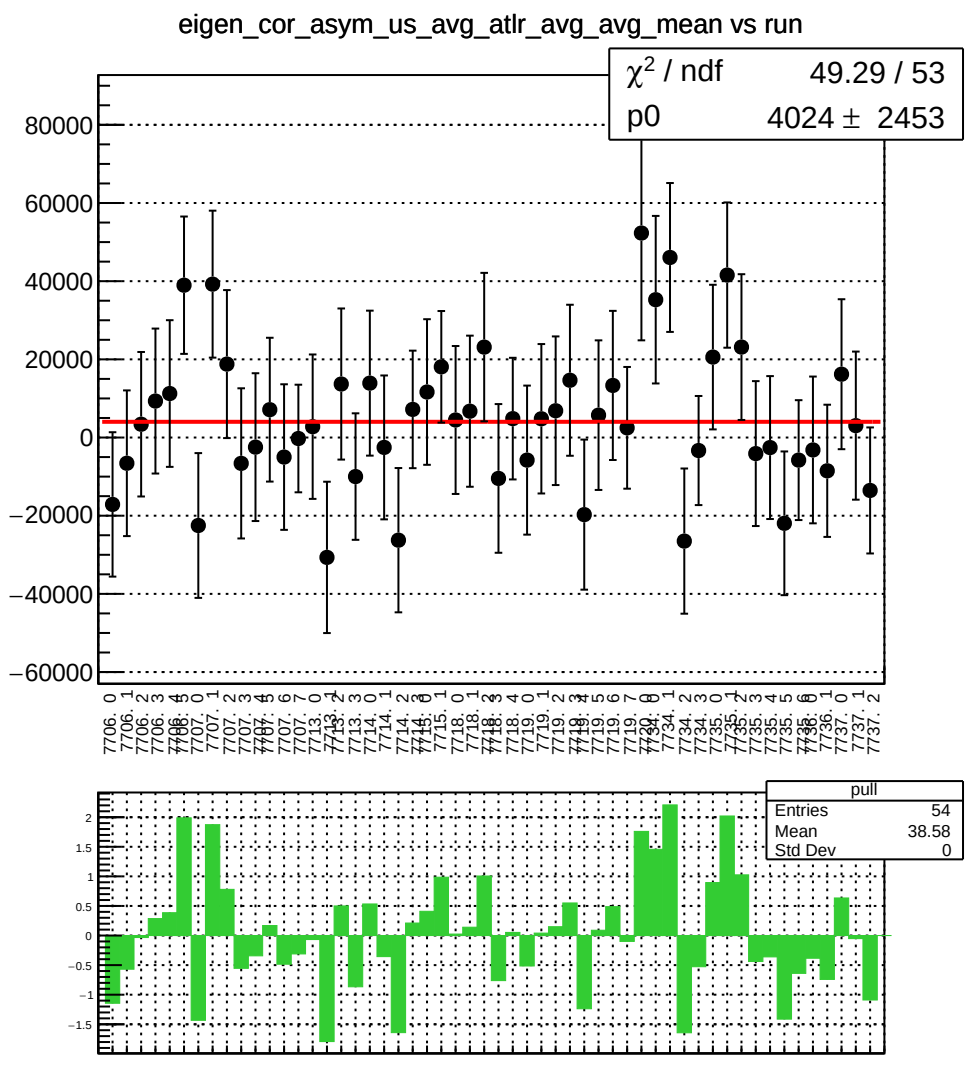

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.29 / 53
p0 4024 ± 2453
pull
Entries 54
Mean 38.58
Std Dev 0

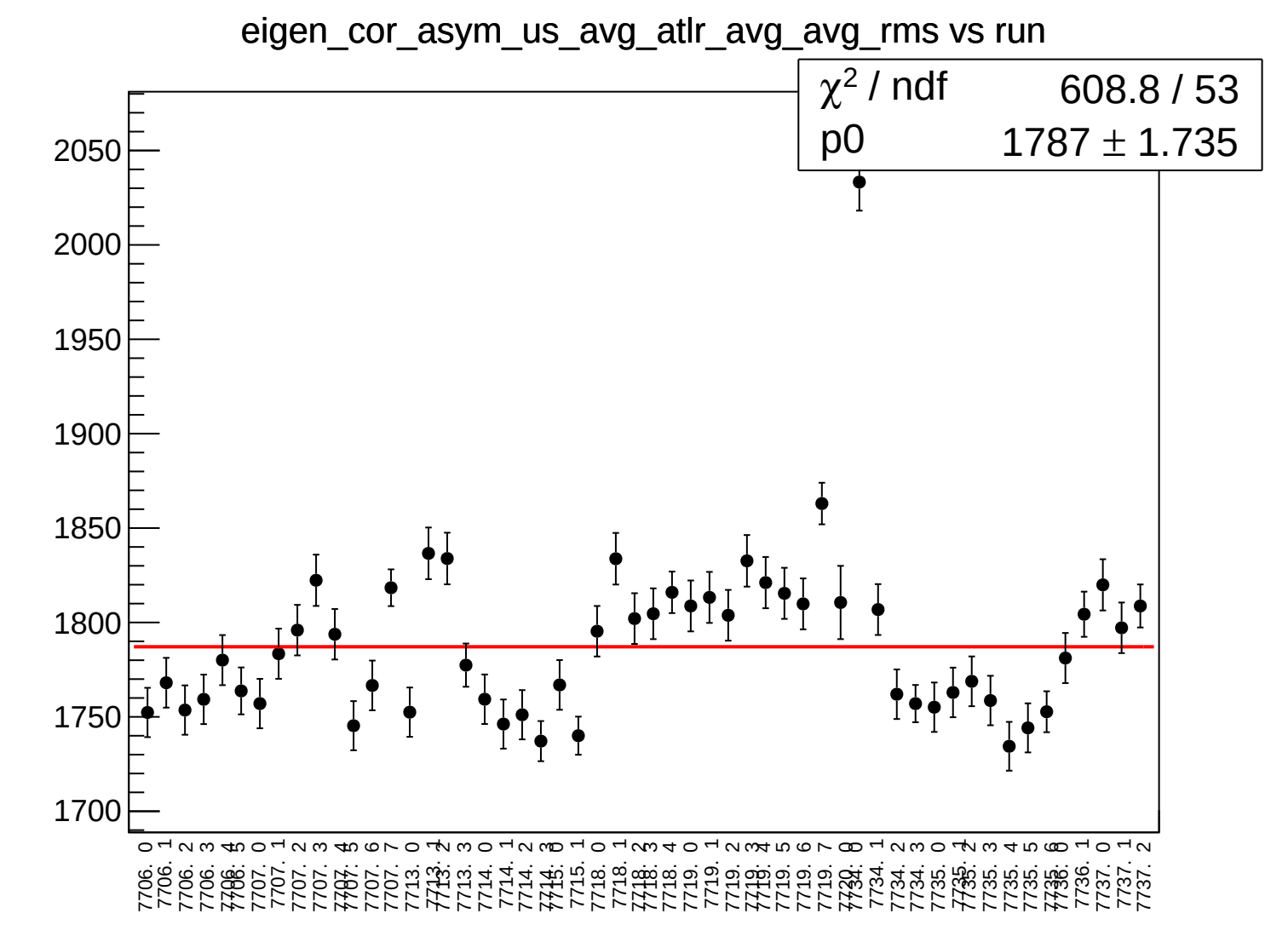

pull1D
Entries 54
Mean 0.02167
Std Dev 0.9551

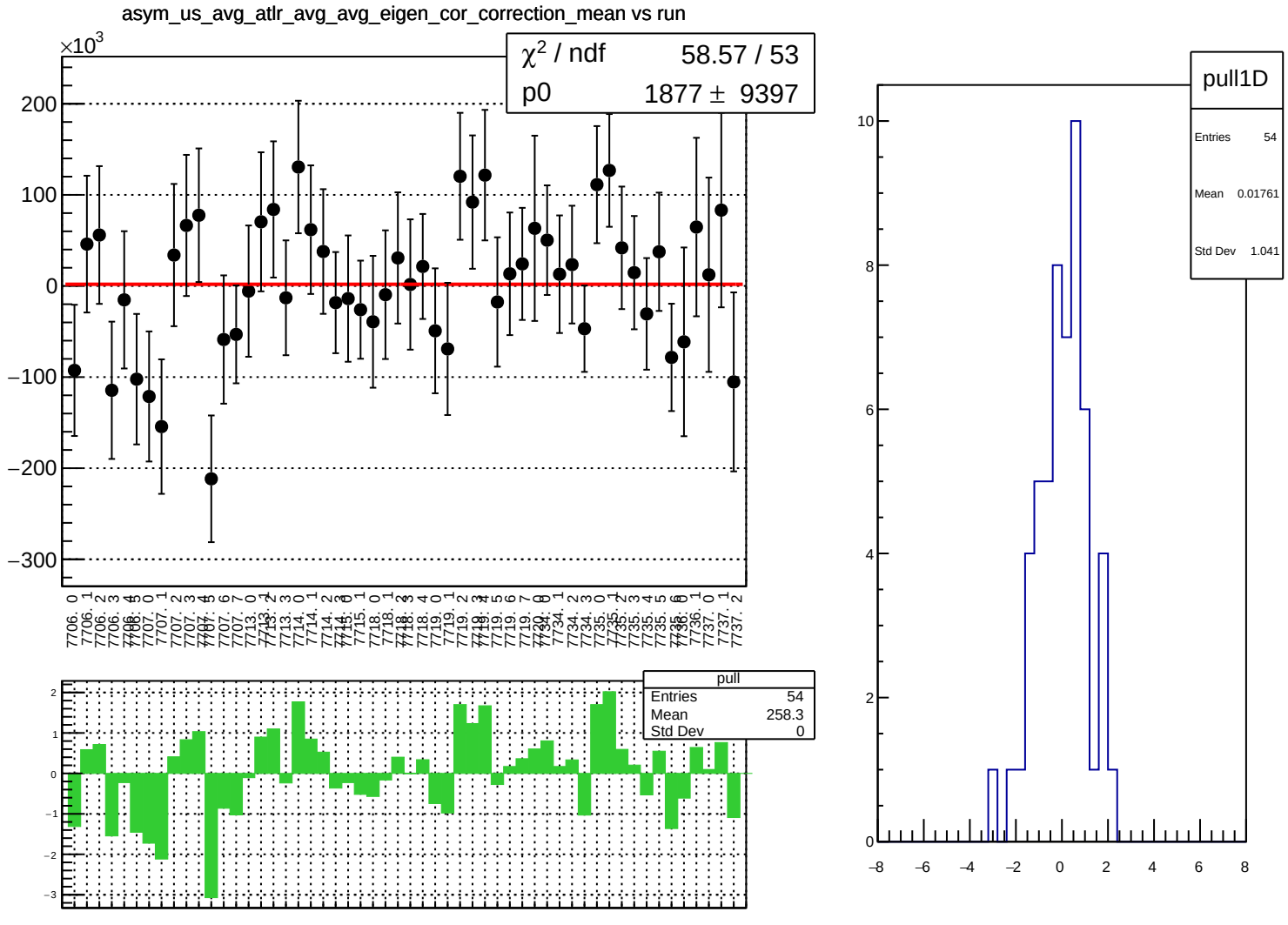

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 608.8 / 53
p0 1787 ± 1.735
2050
2000
1950
1900
1850
1800
1750
1700

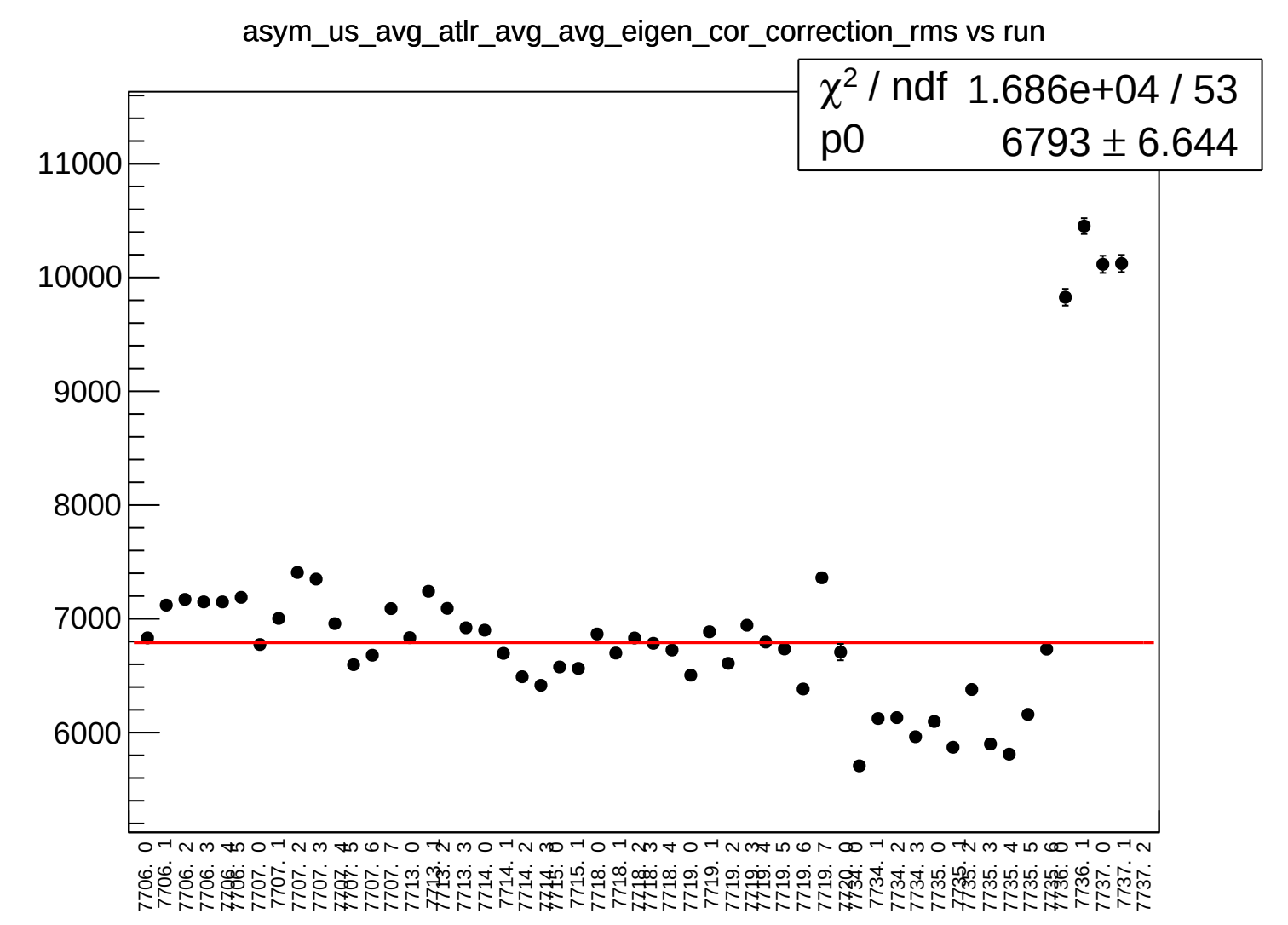

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.57 / 53
p0 1877 ± 9397
pull
Entries 54
Mean 258.3
Std Dev 0
pull1D
Entries 54
Mean 0.01761
Std Dev 1.041

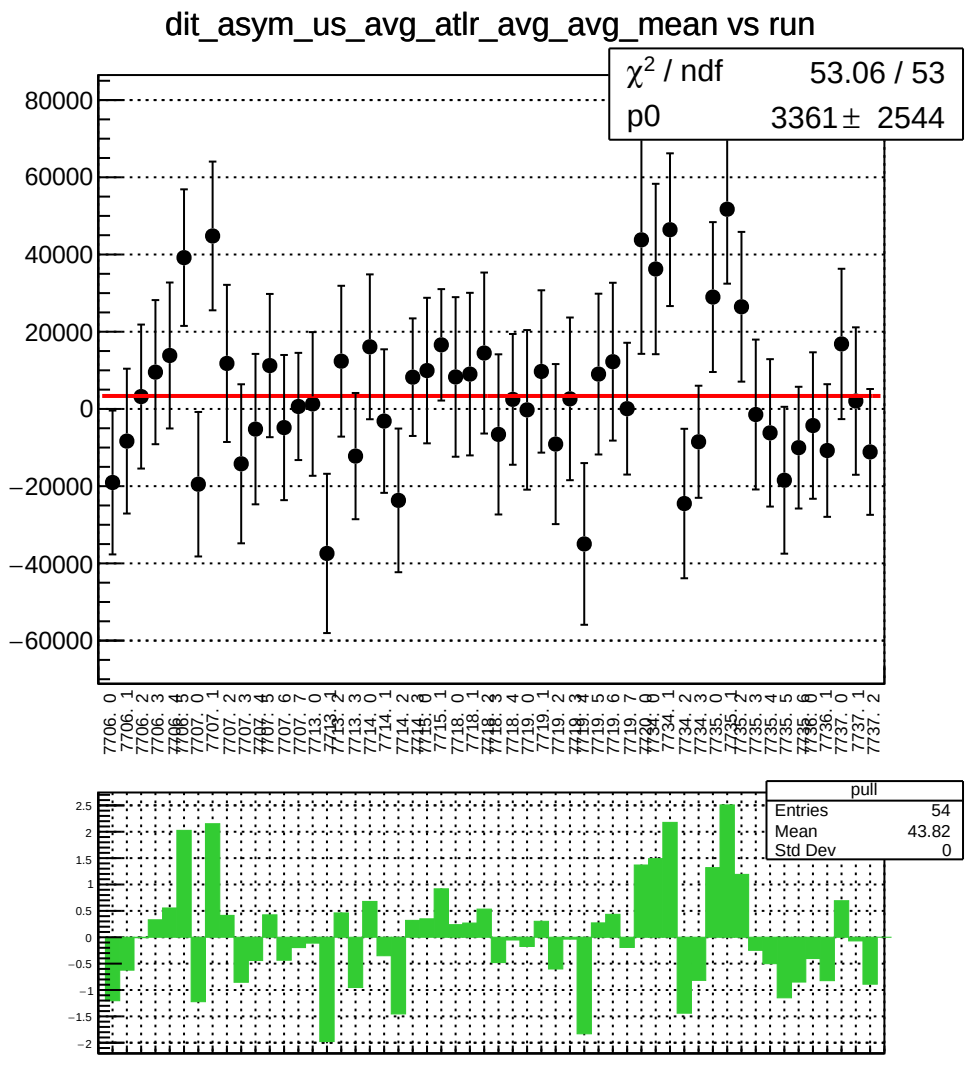

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.686e+04 / 53
p0 6793 ± 6.644
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

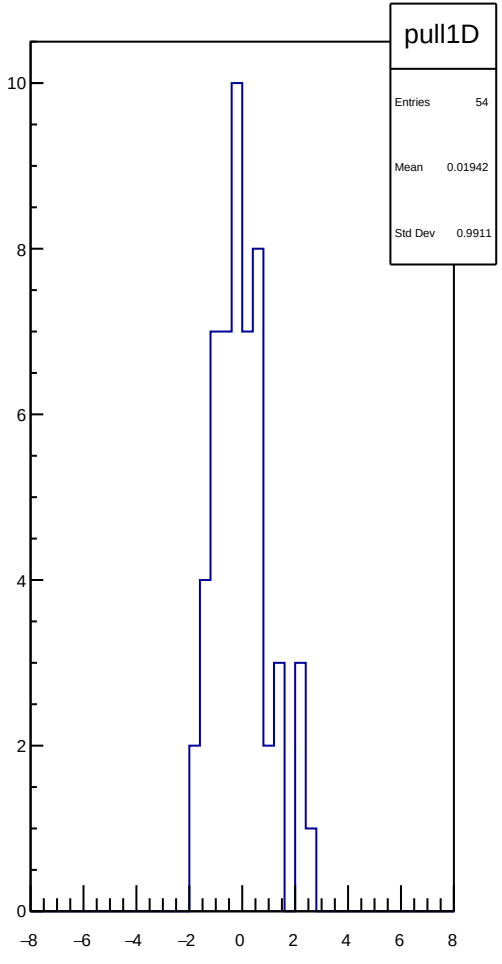

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.29 / 53
p0 4024 ± 2453
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 38.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.02167
Std Dev 0.9551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

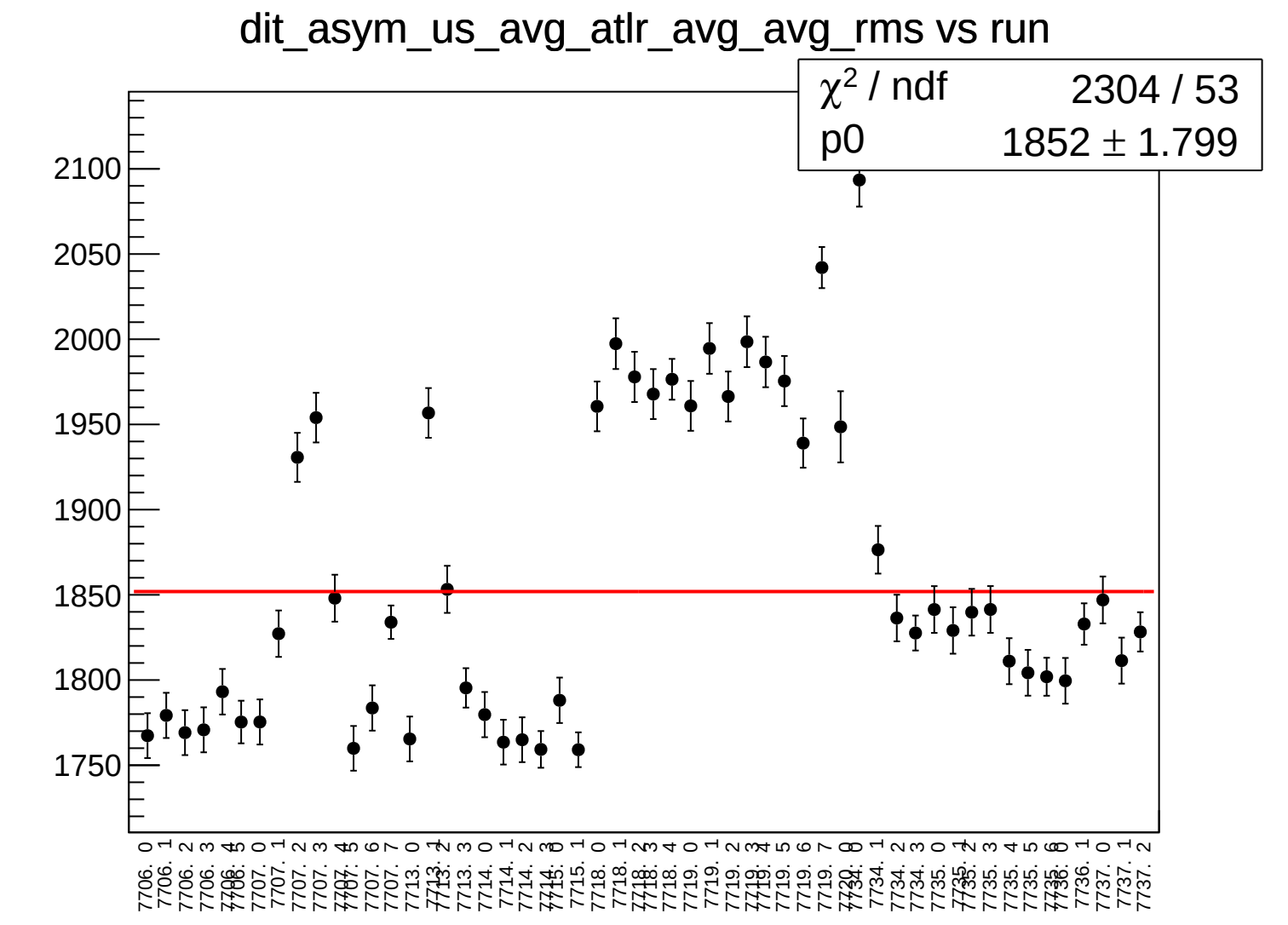

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 608.8 / 53
p0 1787 ± 1.735
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

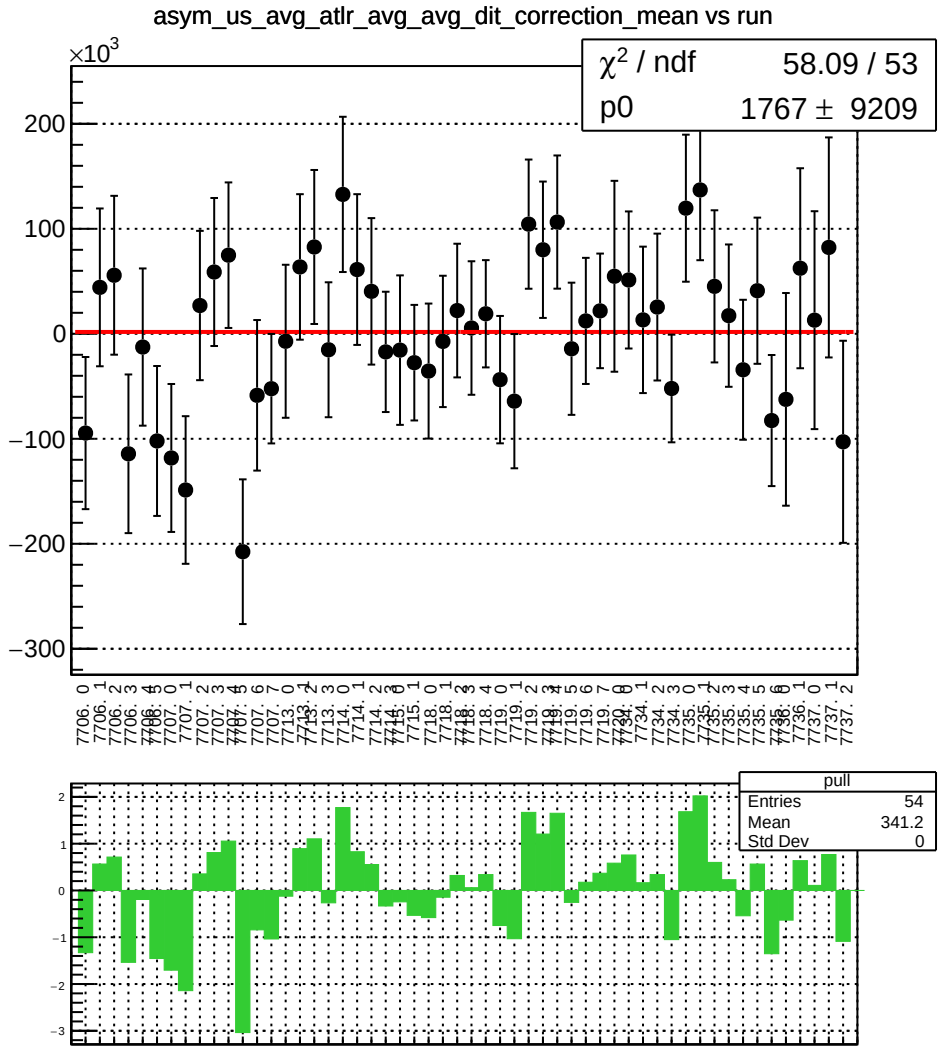

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.57 / 53
p0 1877 ± 9397
200
100
0
−100
−200
−300
pull
Entries 54
Mean 258.3
Std Dev 0
pull1D
Entries 54
Mean 0.01761
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

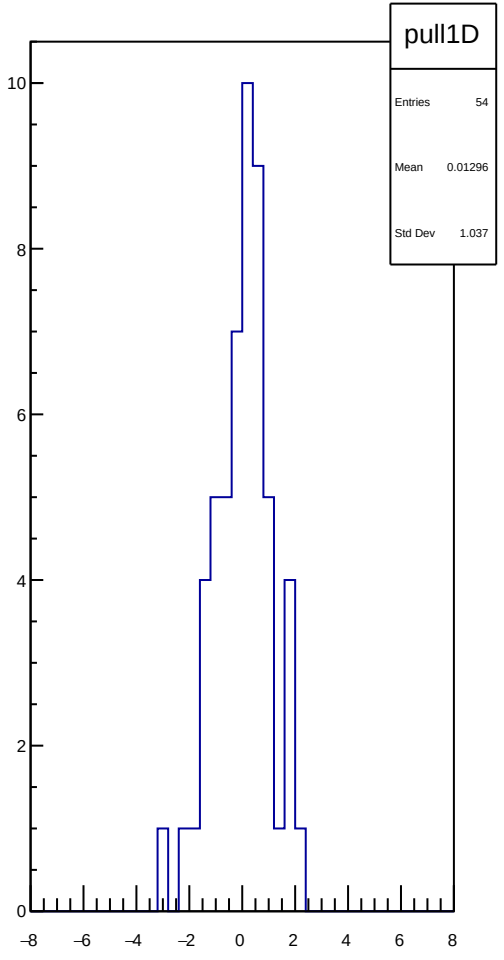

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.686e+04 / 53
p0 6793 ± 6.644
11000
10000
9000
8000
7000
6000

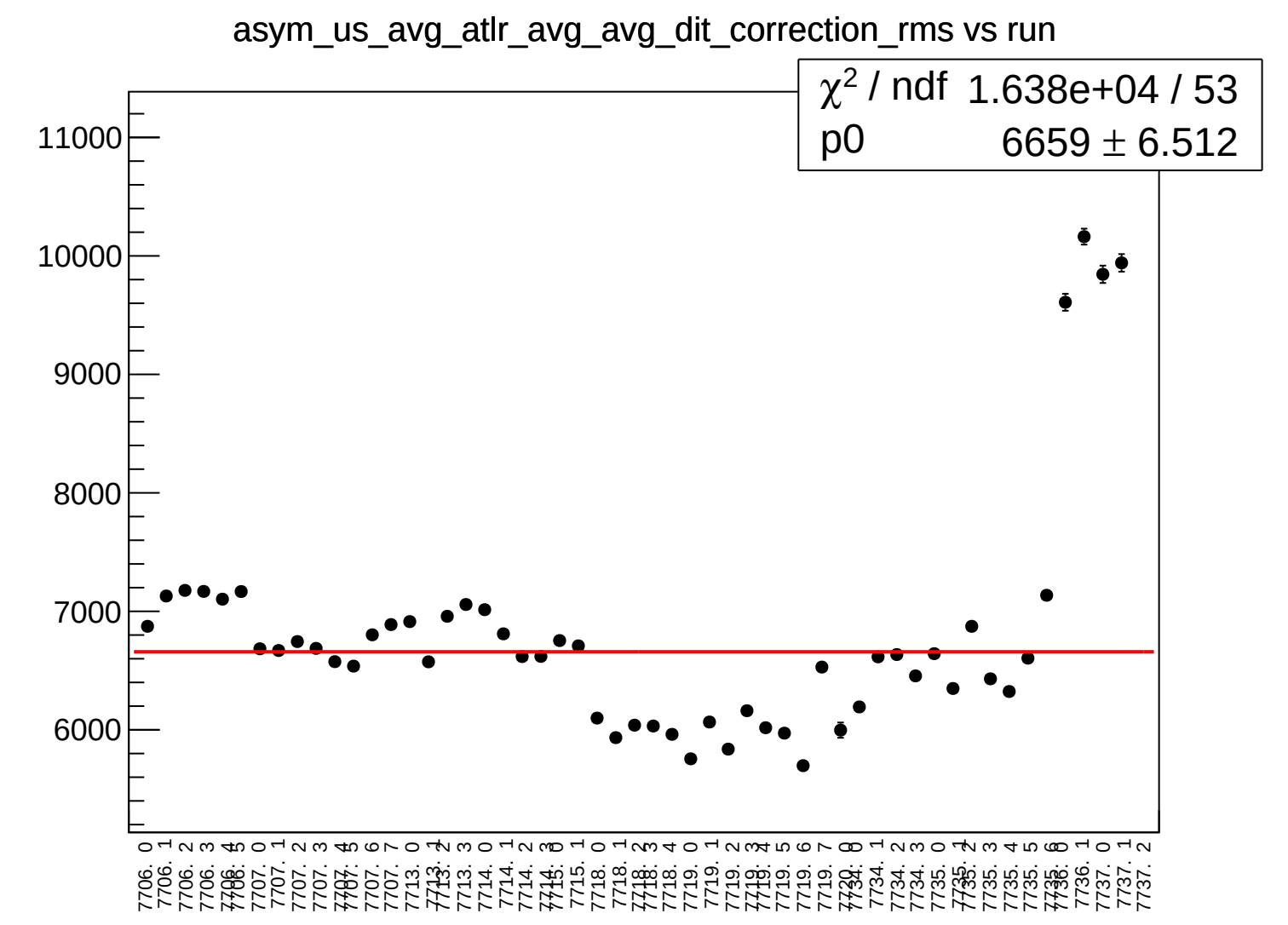

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 53.06 / 53
p0 3361 ± 2544
pull
Entries 54
Mean 43.82
Std Dev 0

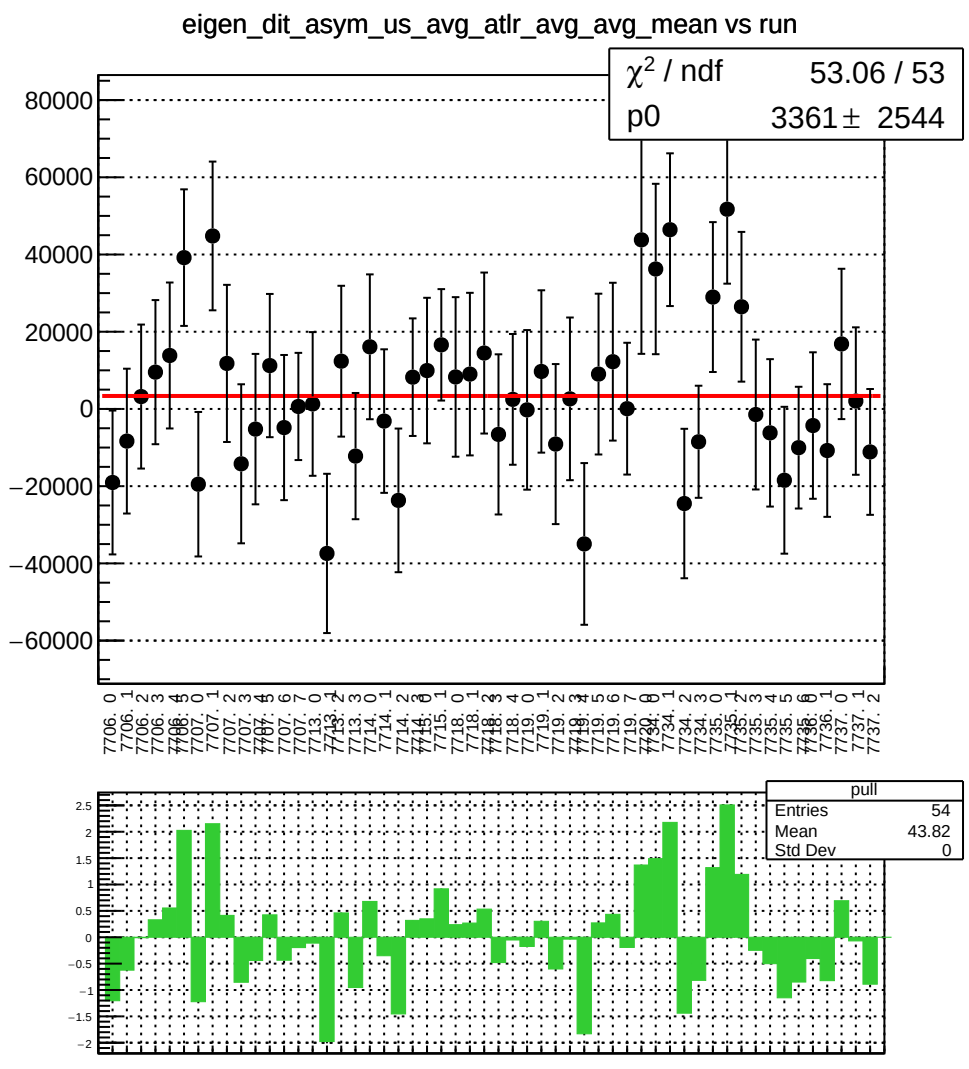

pull1D
Entries 54
Mean 0.01942
Std Dev 0.9911

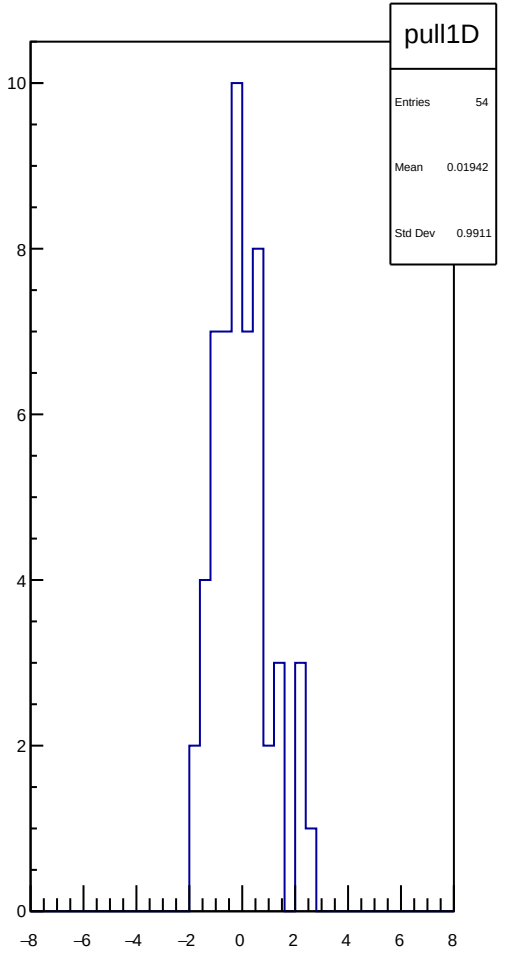

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2304 / 53
p0 1852 ± 1.799
2100
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

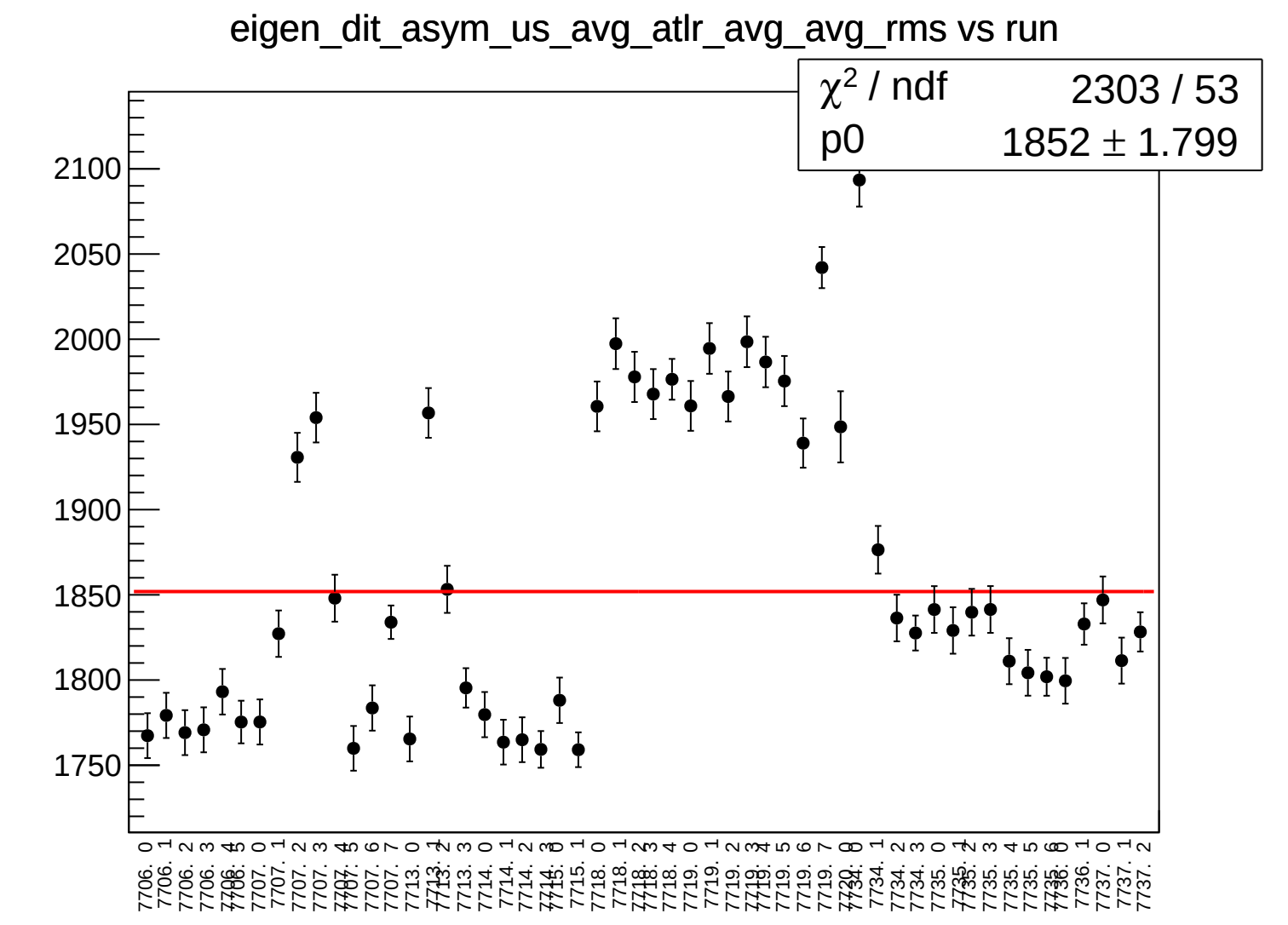

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
χ² / ndf 58.09 / 53
p0 1767 ± 9209
×10³
pull
Entries 54
Mean 341.2
Std Dev 0

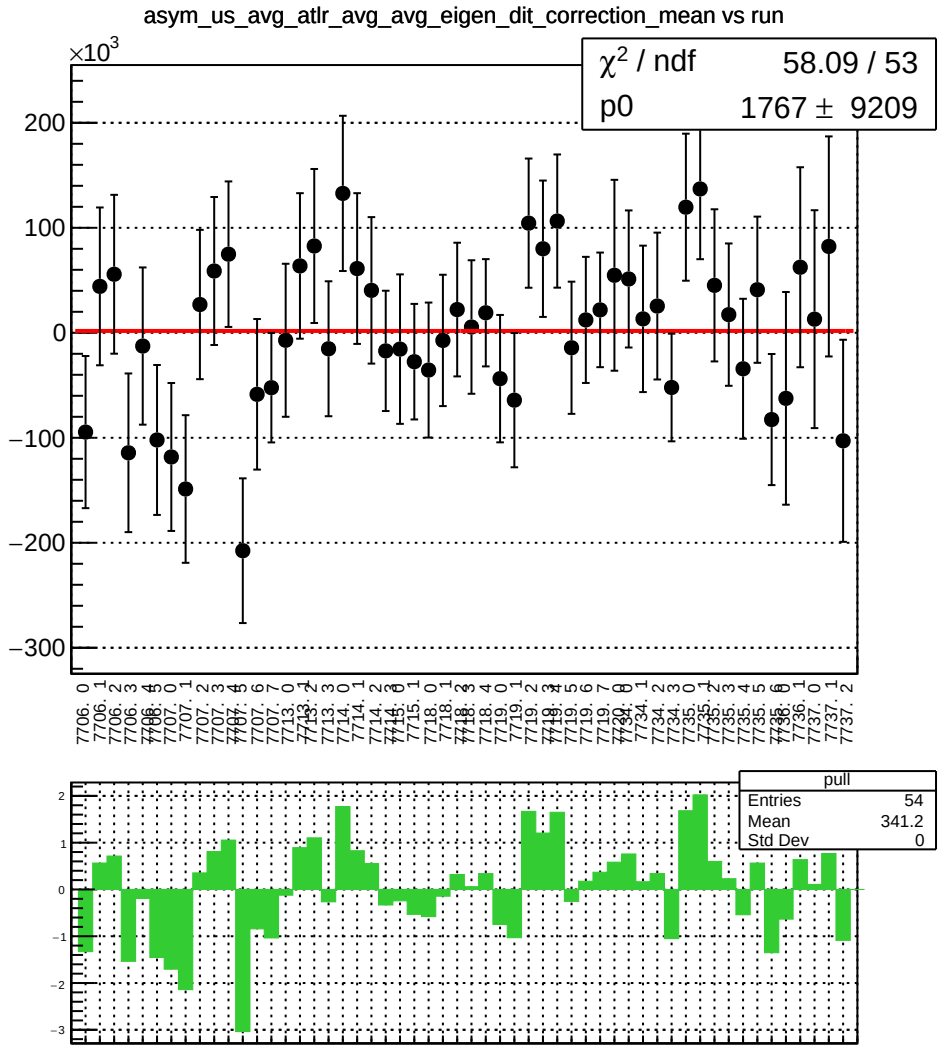

pull1D
Entries 54
Mean 0.01296
Std Dev 1.037

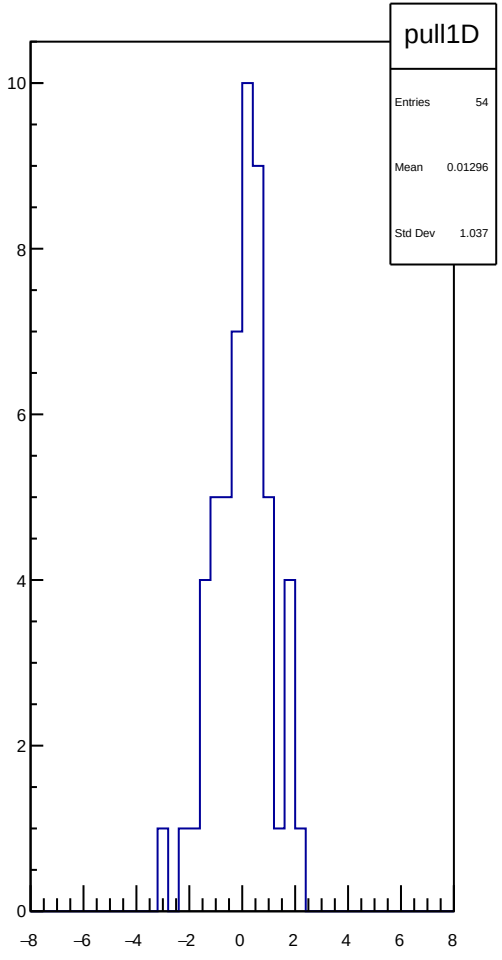

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ^2 / ndf 1.638e+04 / 53
p0 6659 ± 6.512
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

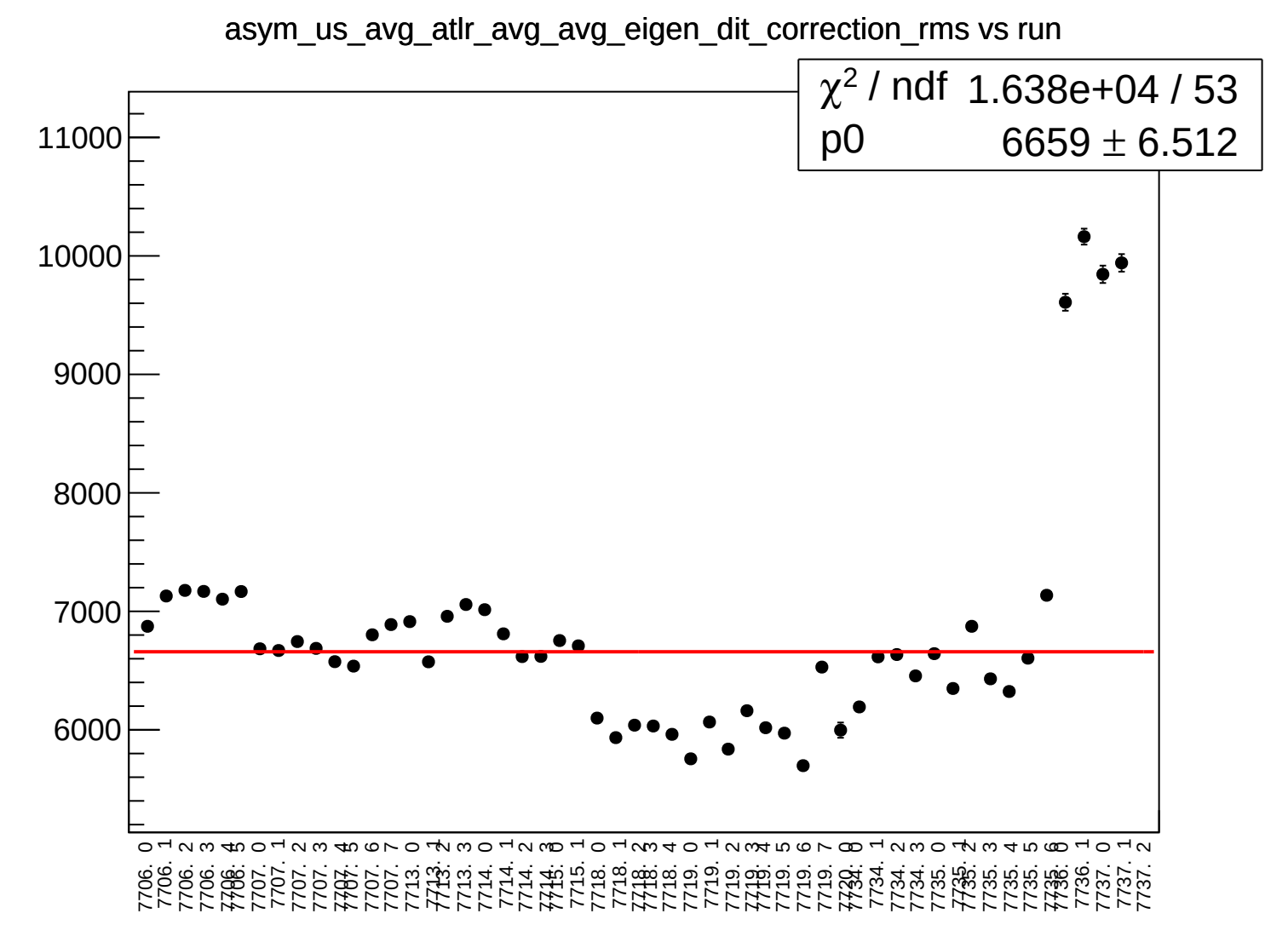

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 53.06 / 53
p0 3361 ± 2544
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 43.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

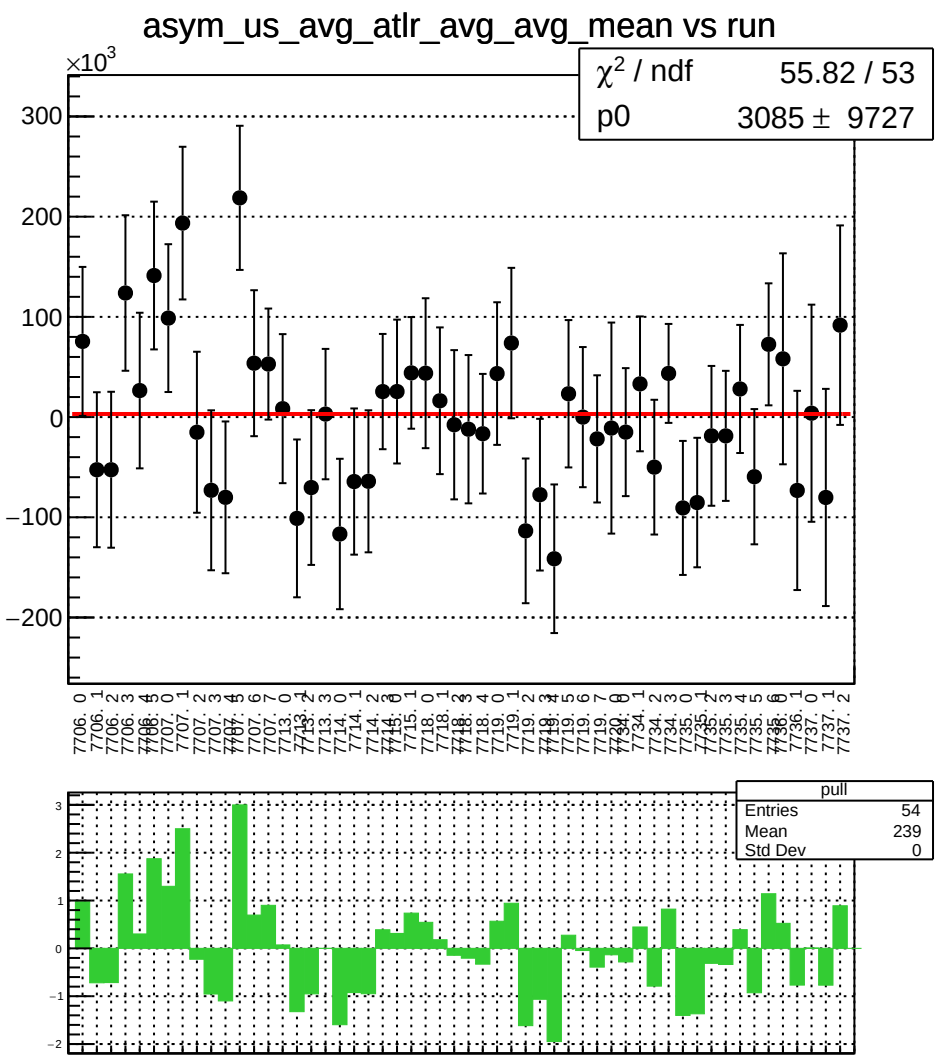

pull1D
Entries 54
Mean 0.01942
Std Dev 0.9911
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

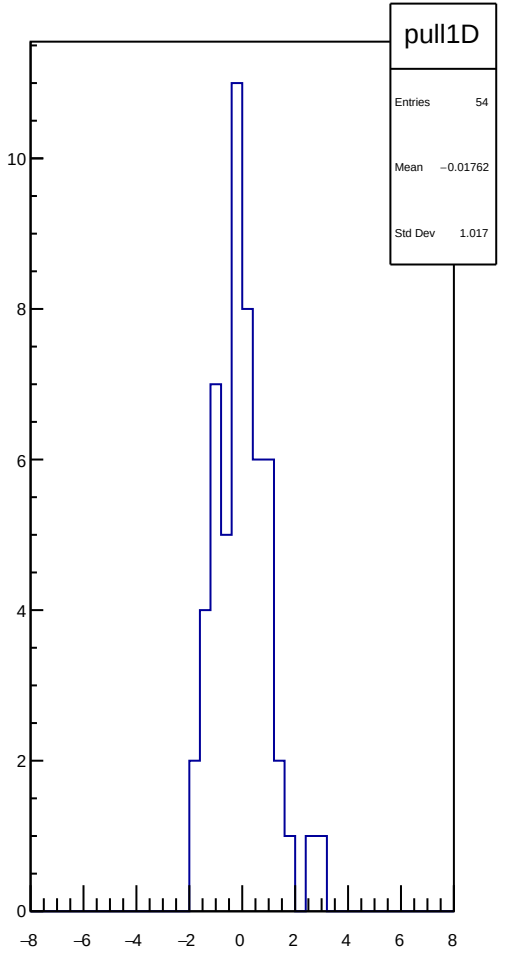

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2303 / 53
p0 1852 ± 1.799
2100
2050
2000
1950
1900
1850
1800
1750

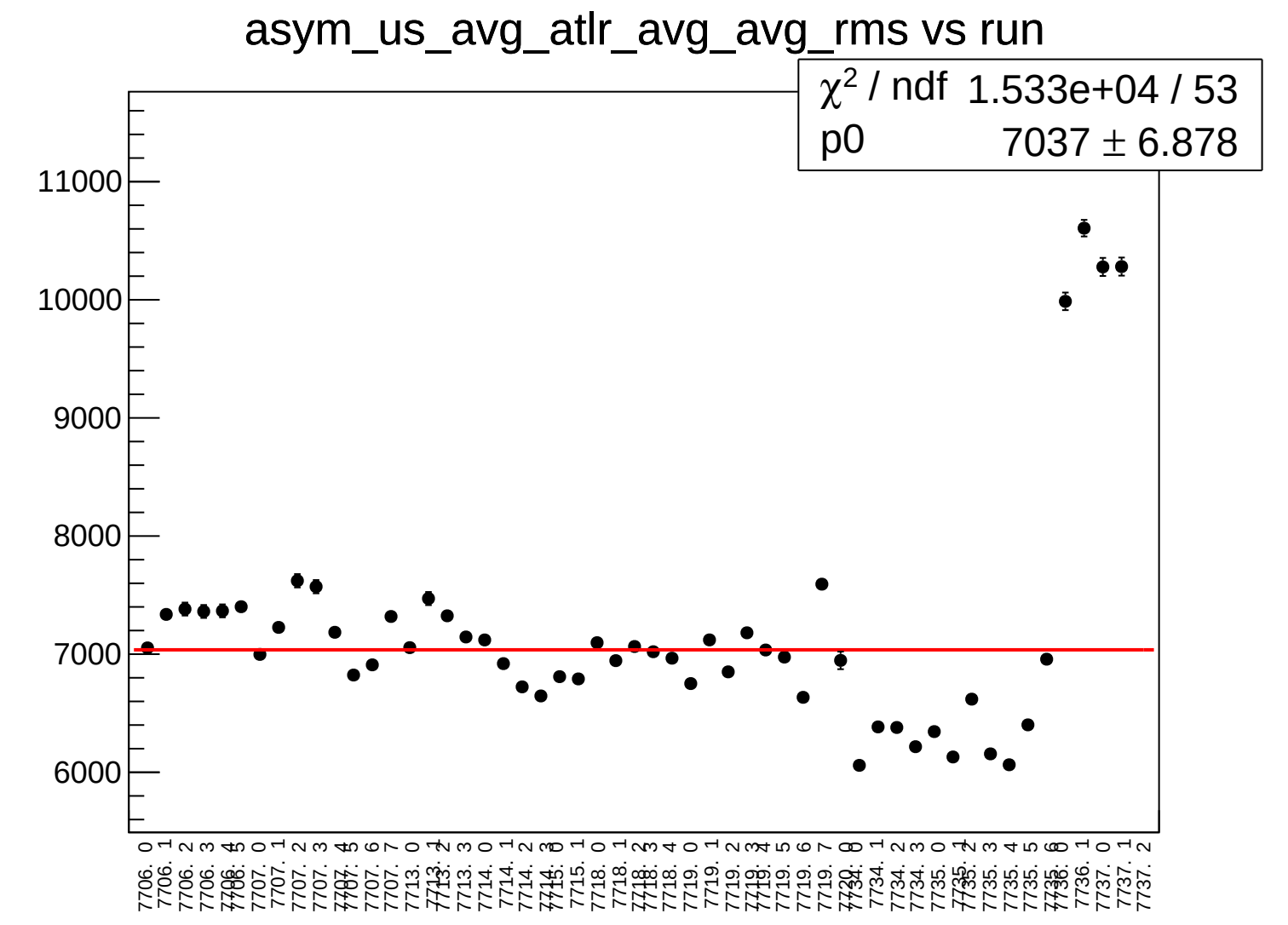

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.09 / 53
p0 1767 ± 9209
pull
Entries 54
Mean 341.2
Std Dev 0

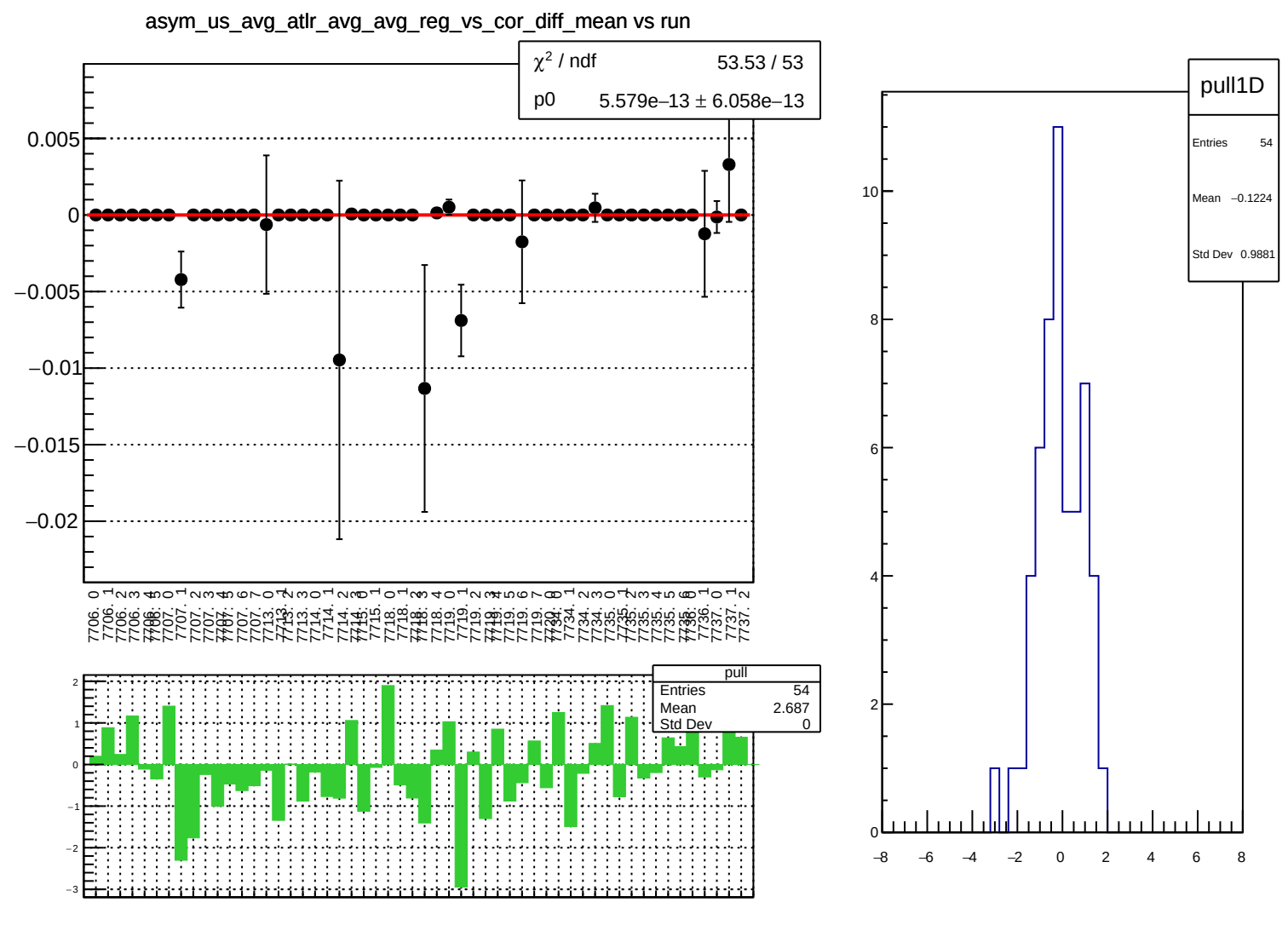

pull1D
Entries 54
Mean 0.01296
Std Dev 1.037

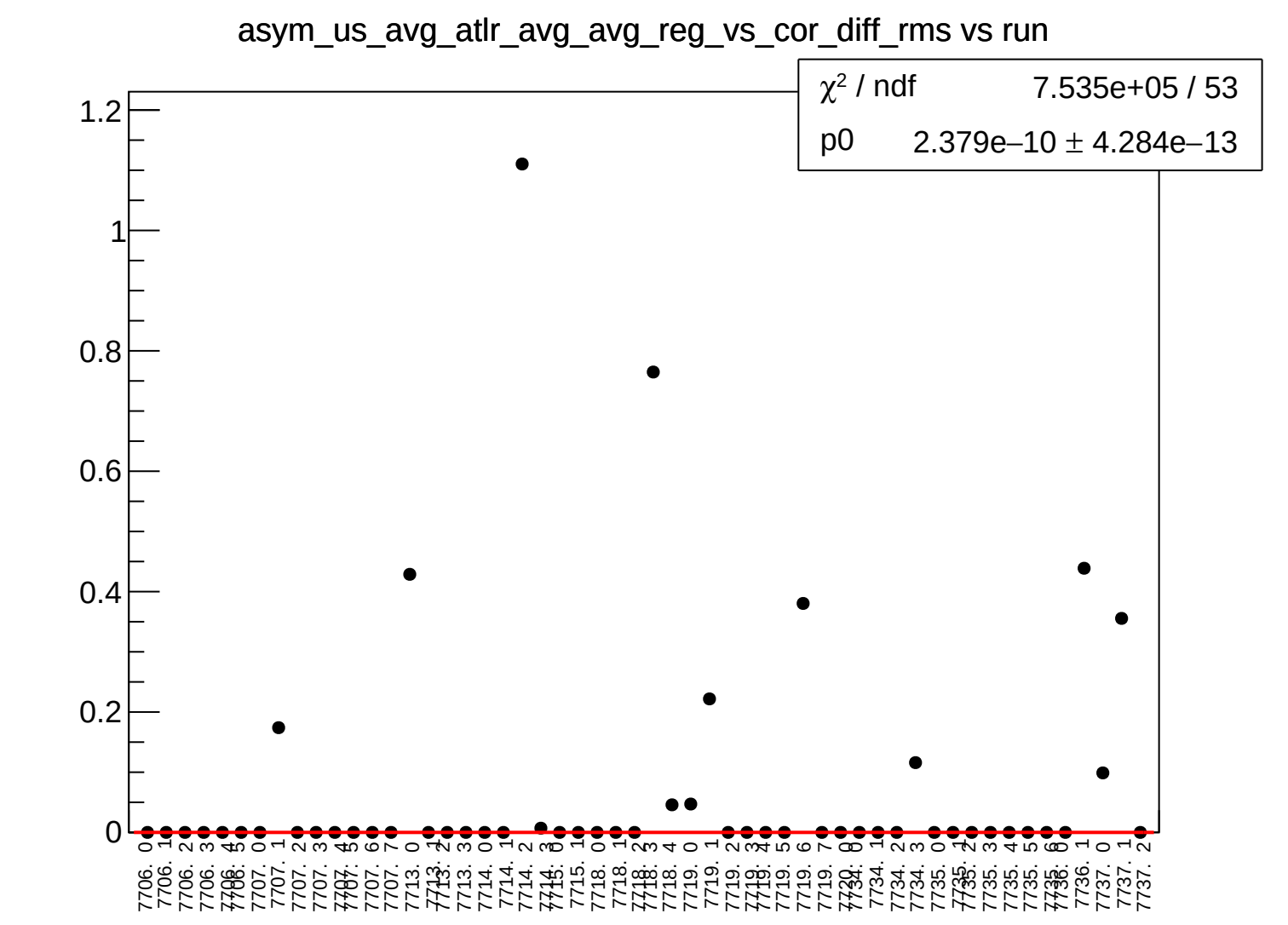

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.638e+04 / 53
p0 6659 ± 6.512
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

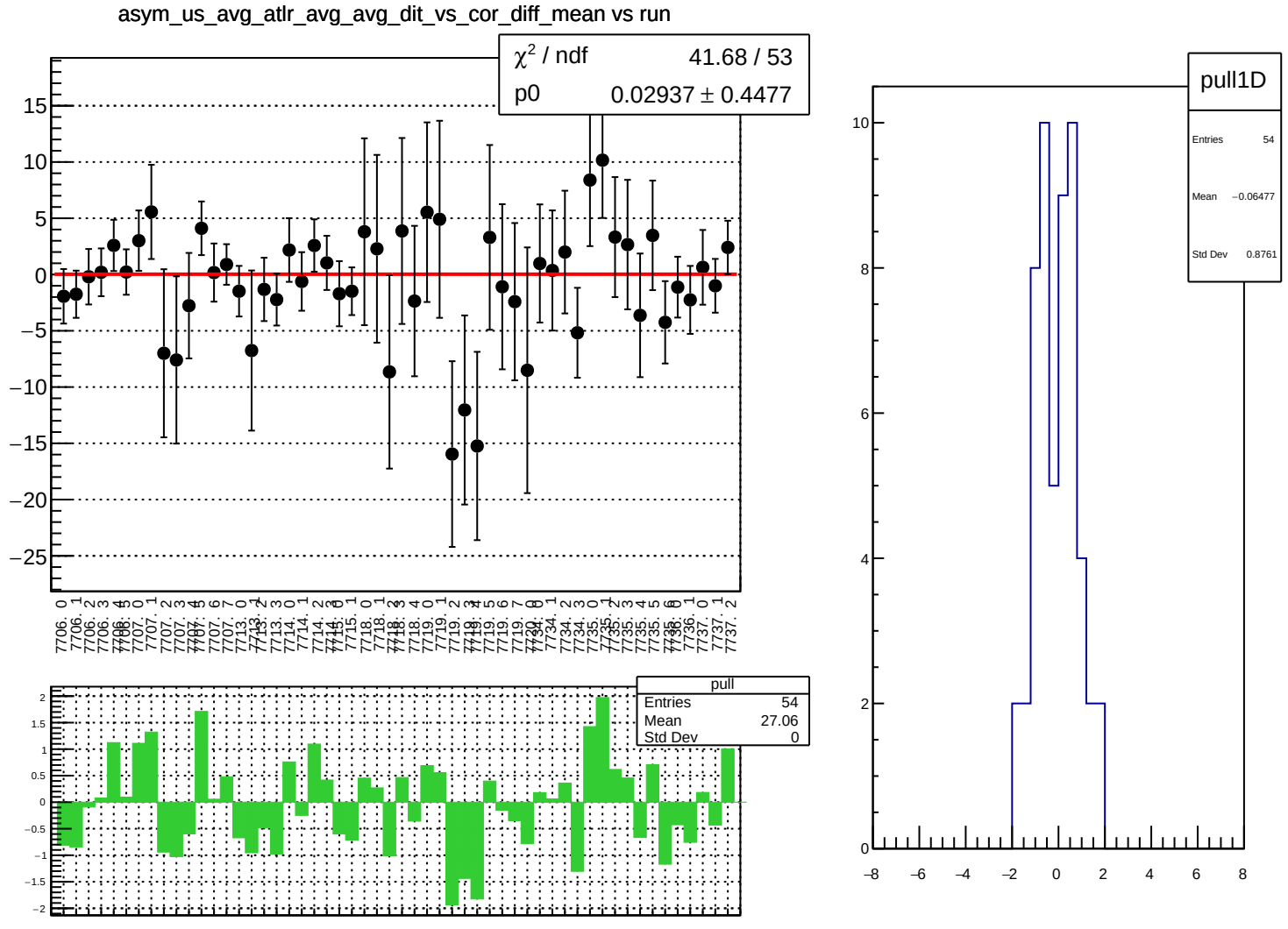

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 55.82 / 53
p0 3085 ± 9727
pull
Entries 54
Mean 239
Std Dev 0

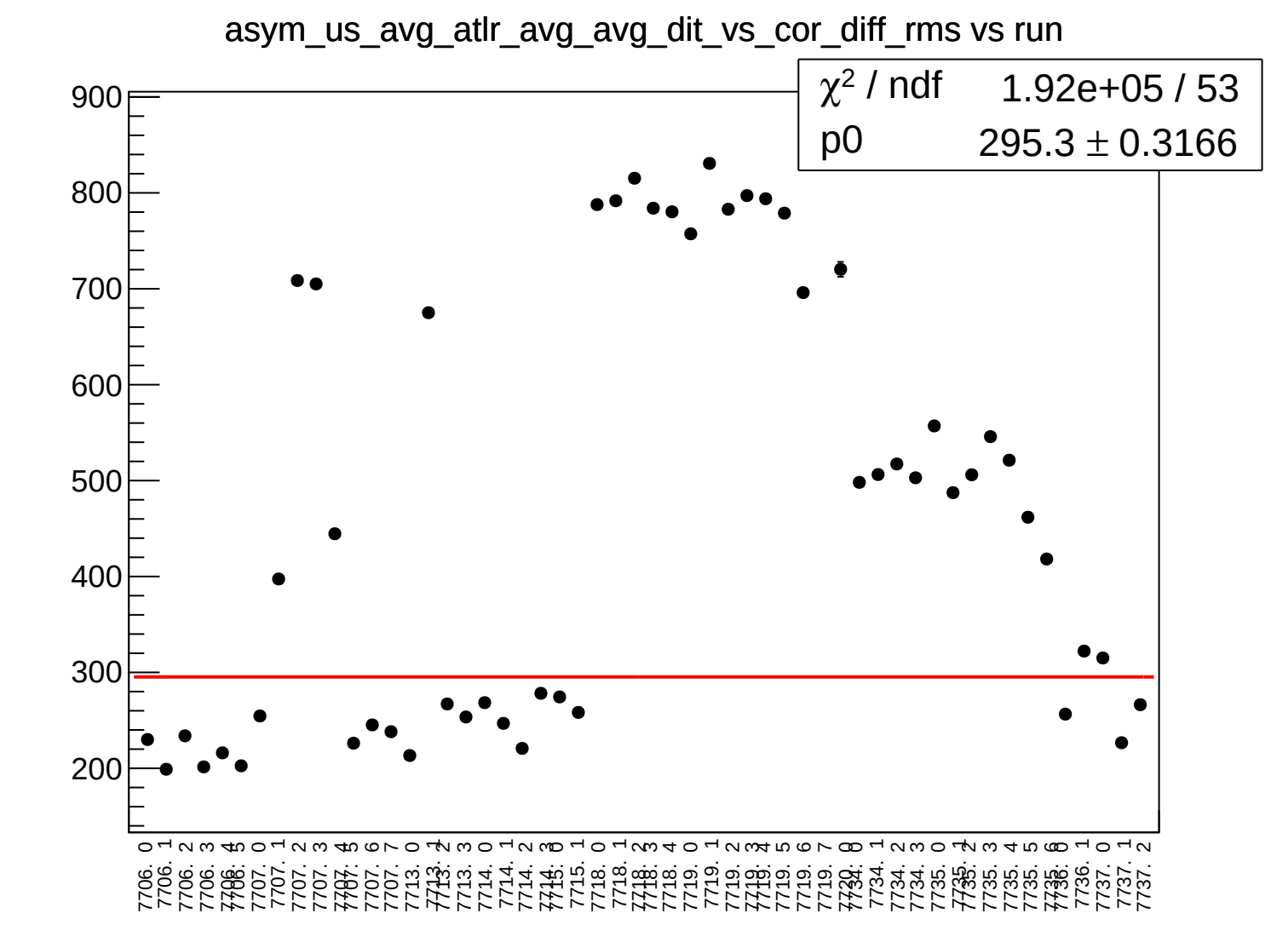

pull1D
Entries 54
Mean −0.01762
Std Dev 1.017

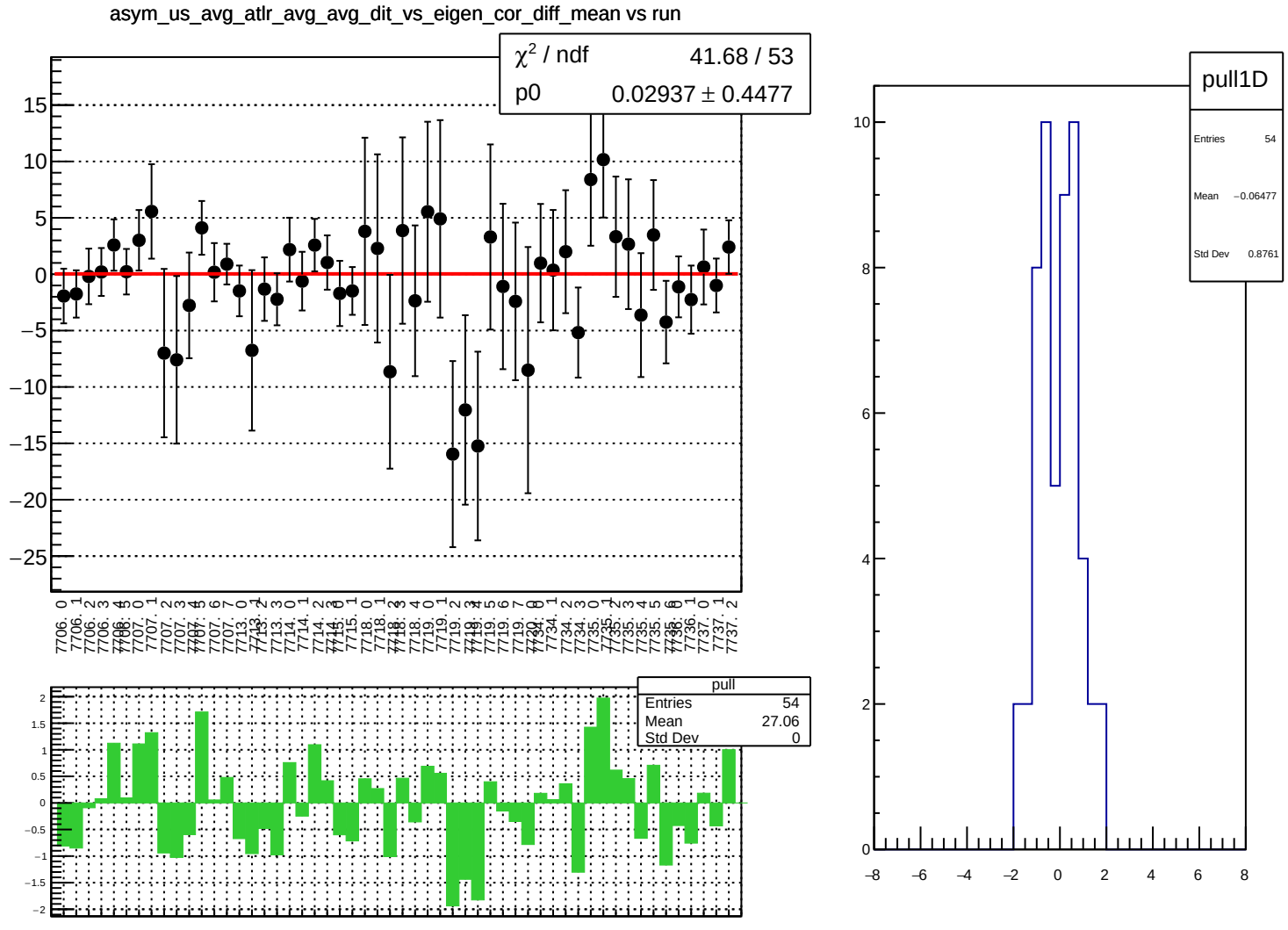

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1.533e+04 / 53
p0 7037 ± 6.878
11000
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

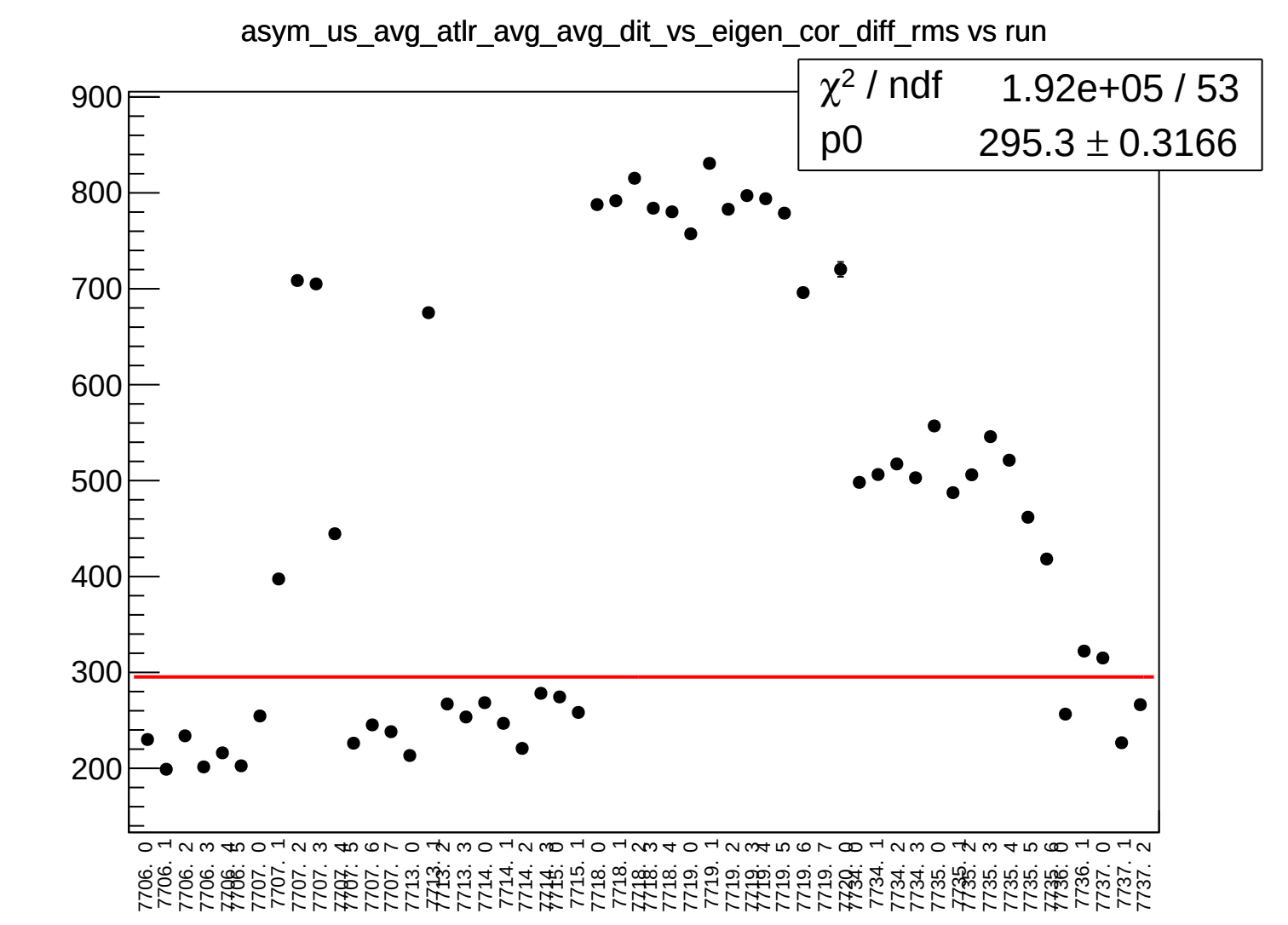

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.53 / 53
p0 5.579e−13 ± 6.058e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 2.687
Std Dev 0
pull1D
Entries 54
Mean −0.1224
Std Dev 0.9881

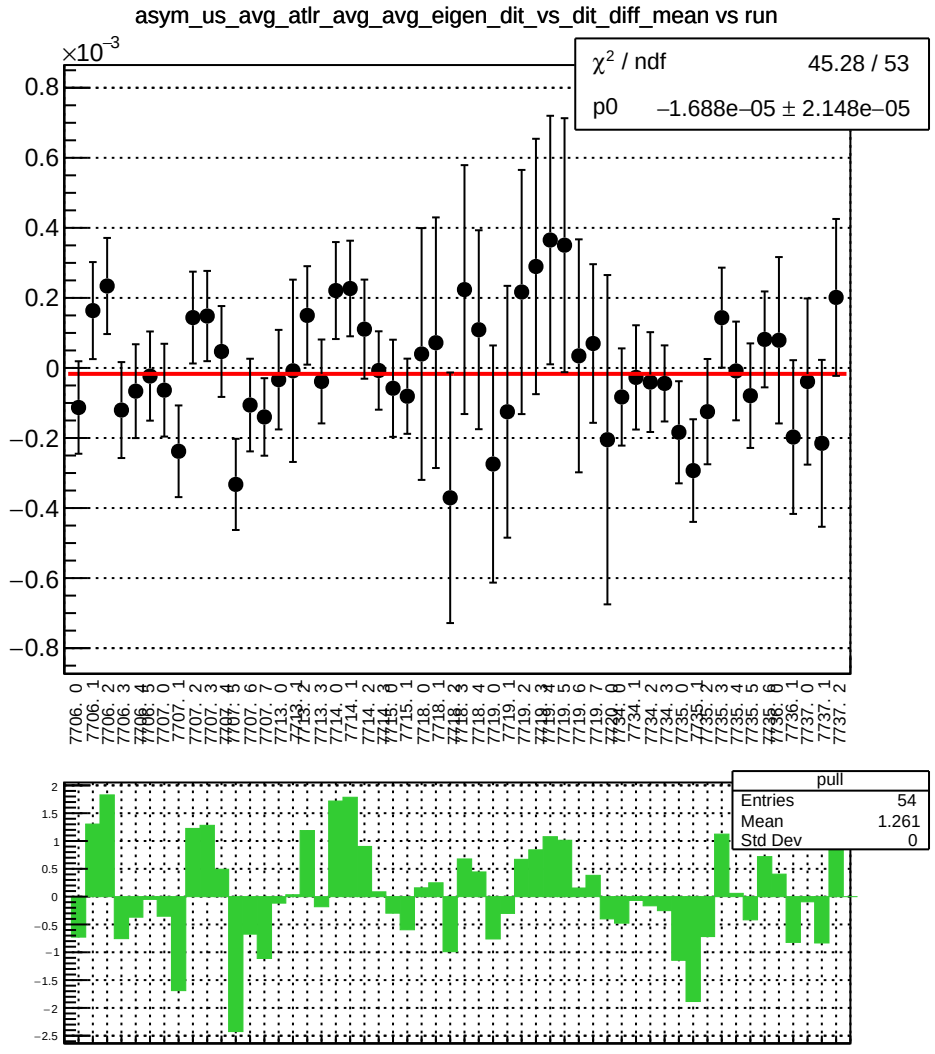

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.535e+05 / 53
p0 2.379e−10 ± 4.284e−13
1.2
1
0.8
0.6
0.4
0.2
0

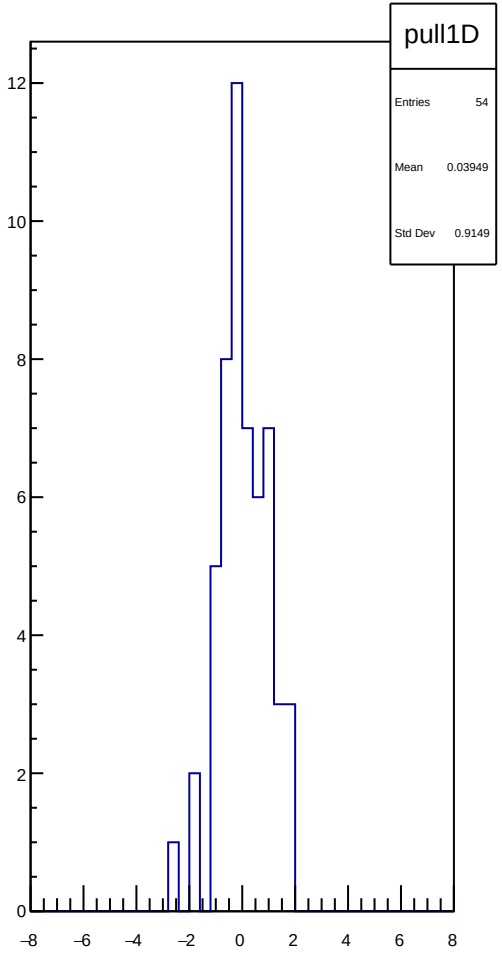

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 41.68 / 53
p0 0.02937 ± 0.4477
pull
Entries 54
Mean 27.06
Std Dev 0
pull1D
Entries 54
Mean −0.06477
Std Dev 0.8761

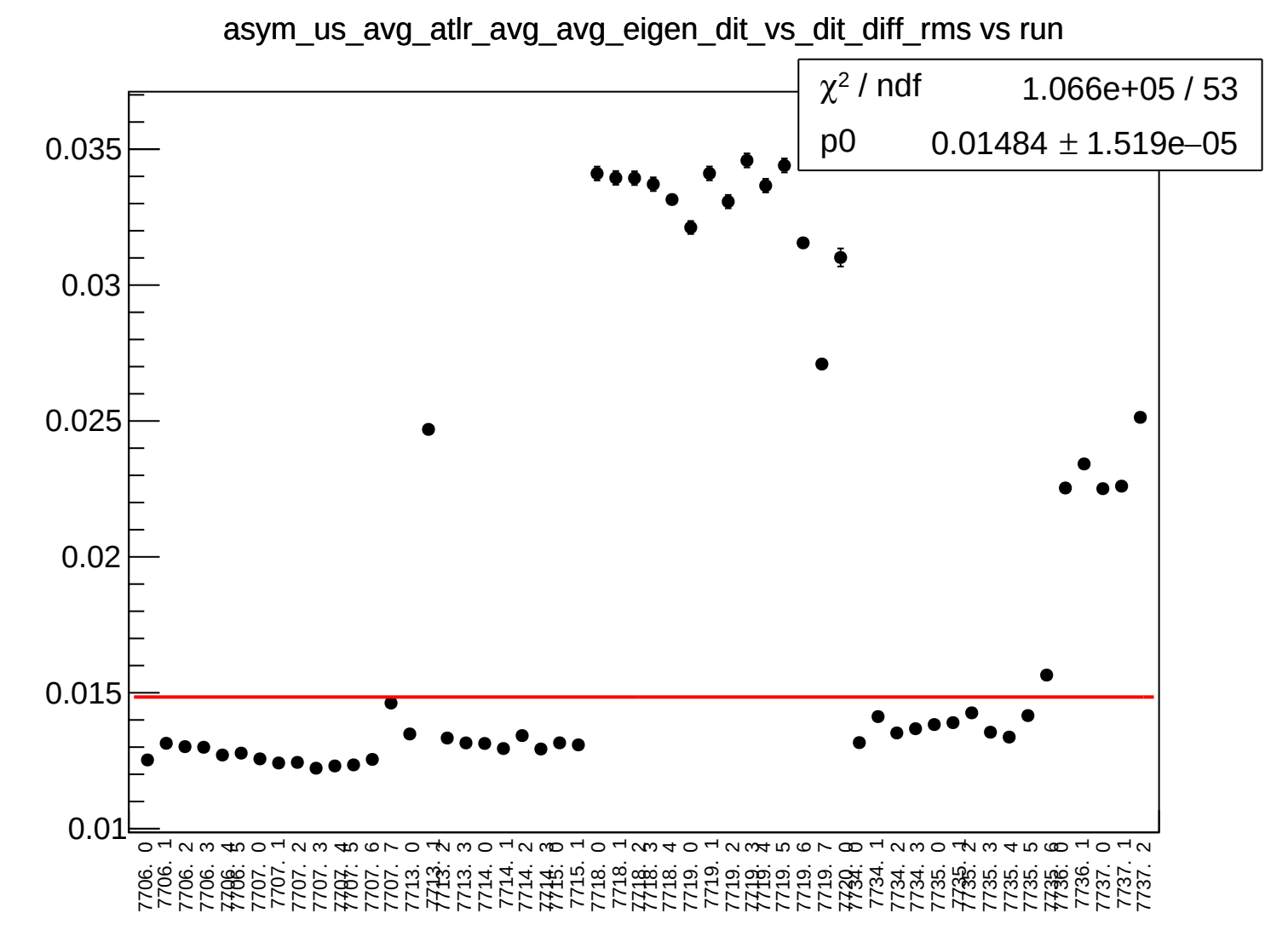

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.92e+05 / 53
p0 295.3 ± 0.3166
900
800
700
600
500
400
300
200

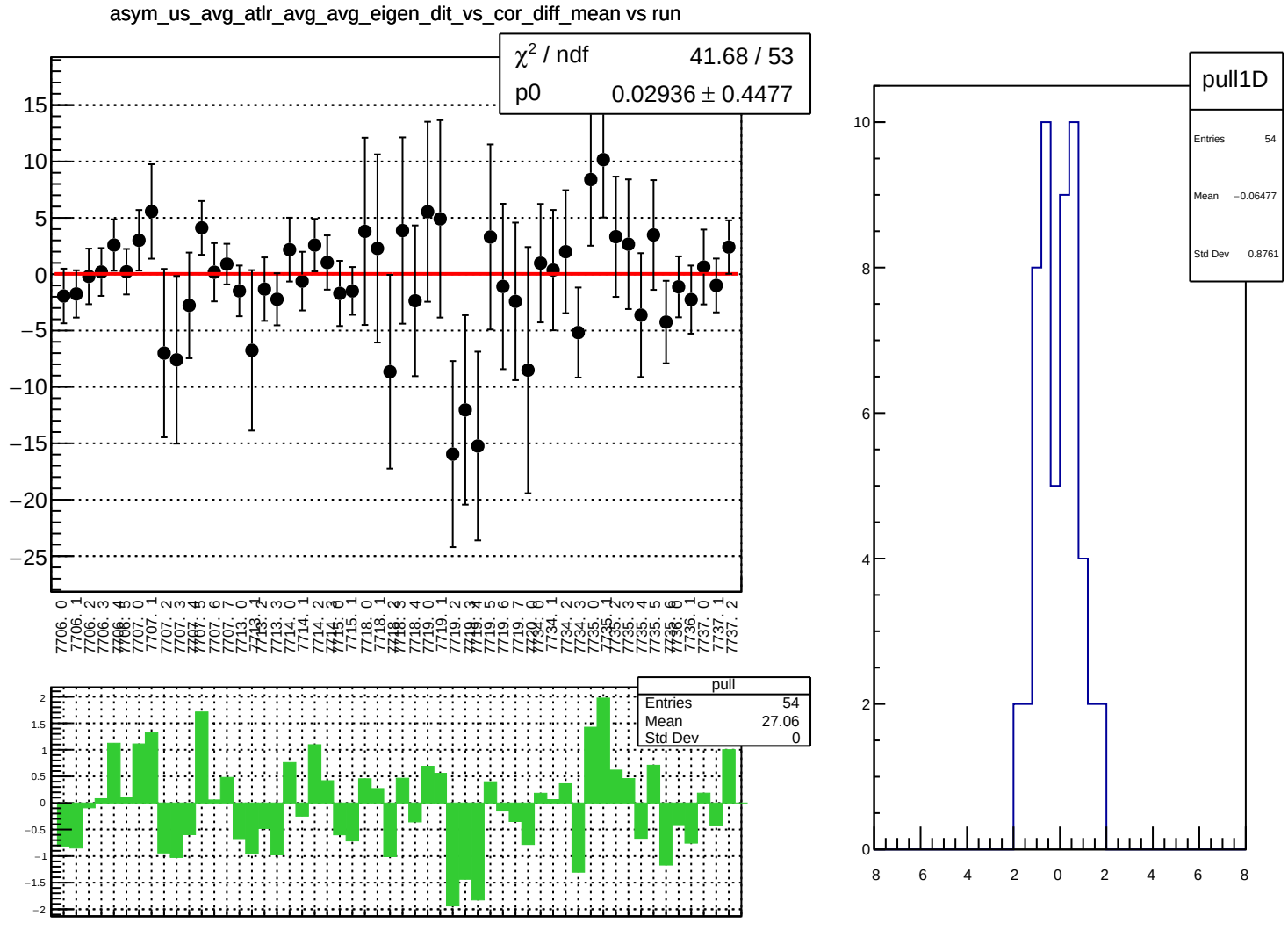

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.68 / 53
p0 0.02937 ± 0.4477
pull
Entries 54
Mean 27.06
Std Dev 0
pull1D
Entries 54
Mean −0.06477
Std Dev 0.8761

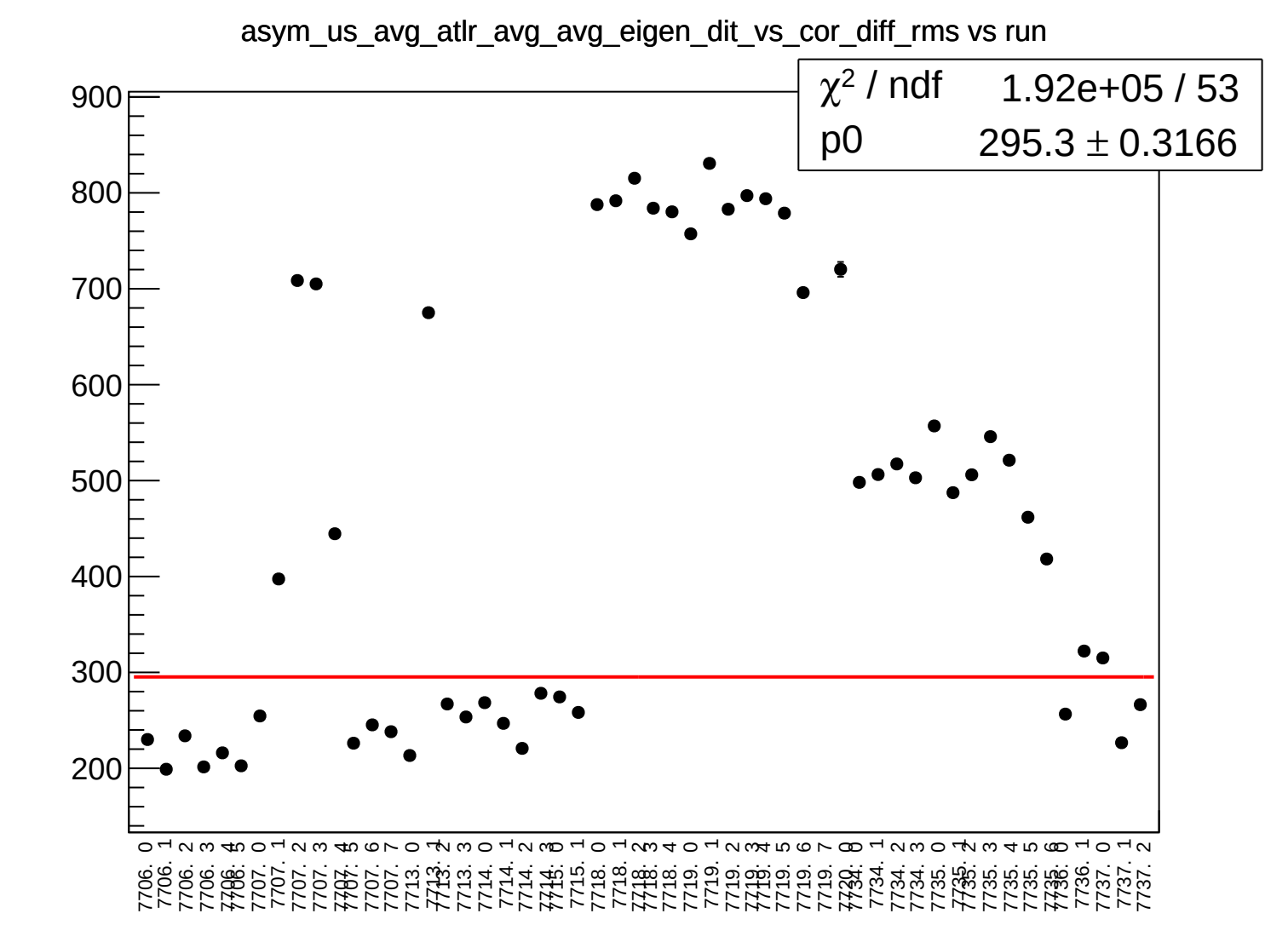

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.92e+05 / 53
p0 295.3 ± 0.3166
900
800
700
600
500
400
300
200

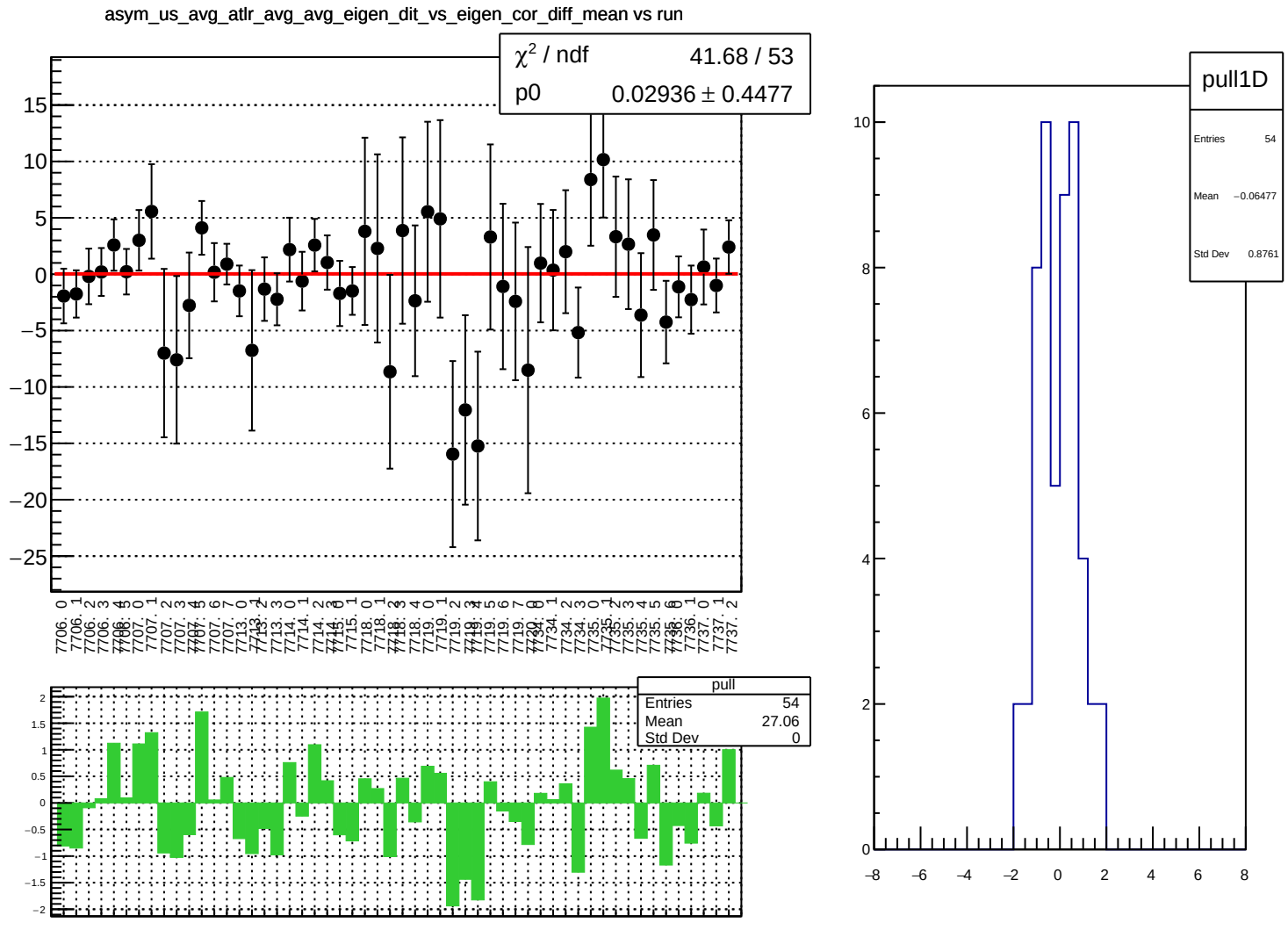

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 45.28 / 53
p0 −1.688e−05 ± 2.148e−05
pull
Entries 54
Mean 1.261
Std Dev 0

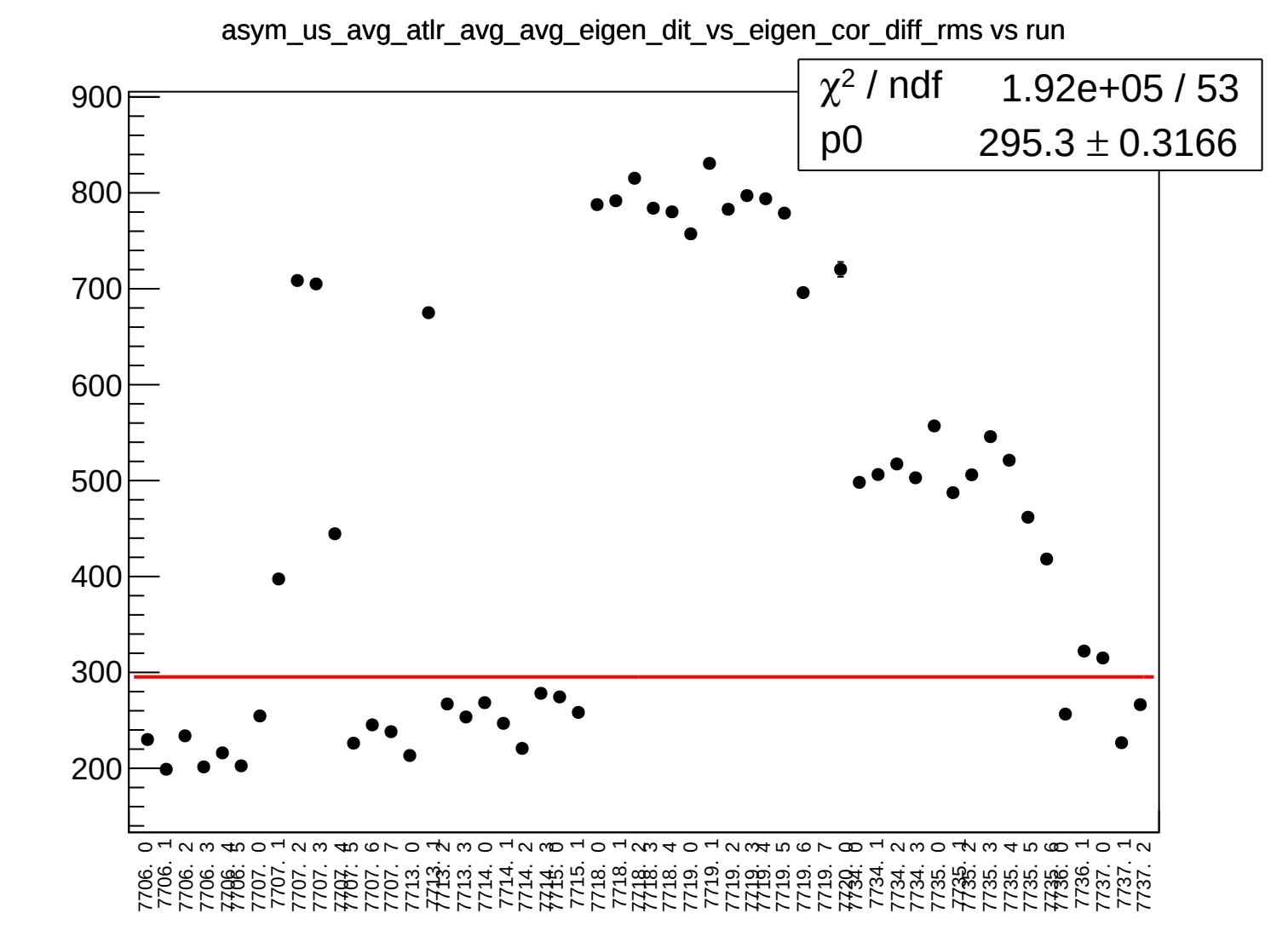

pull1D
Entries 54
Mean 0.03949
Std Dev 0.9149

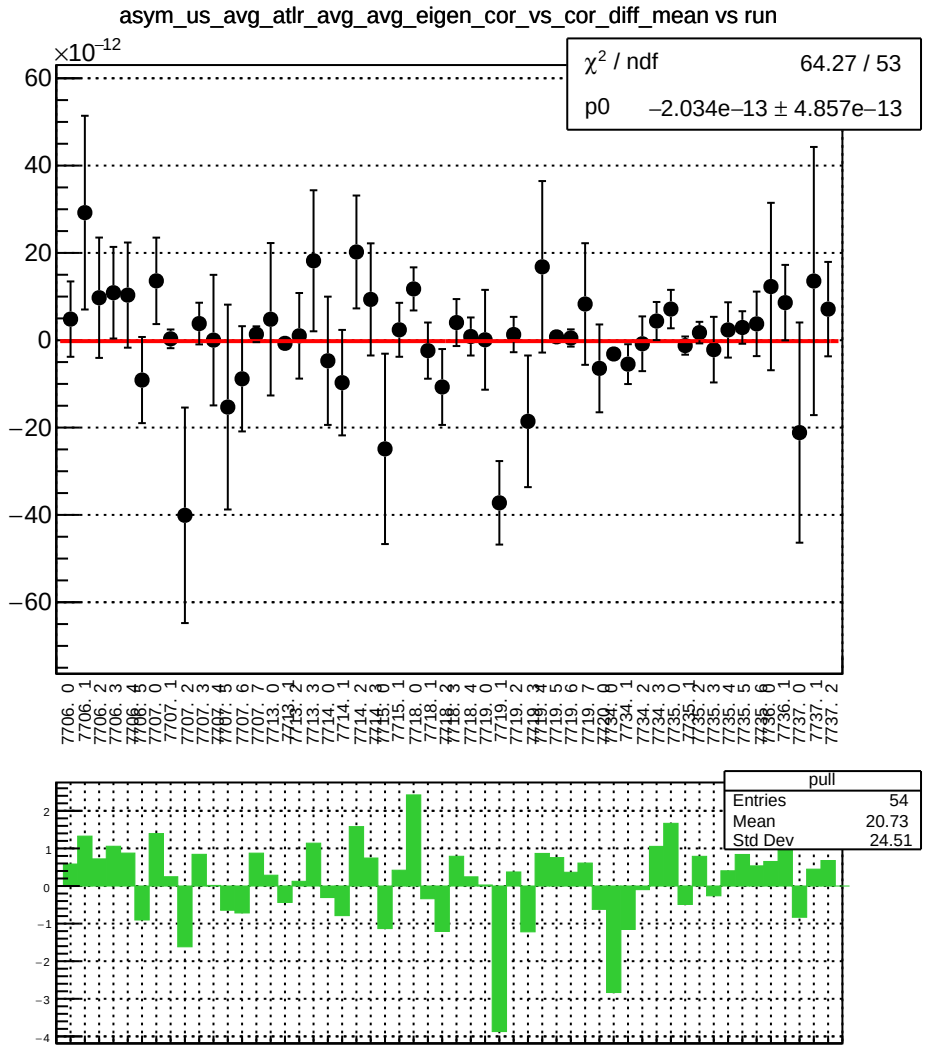

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.066e+05 / 53
p0 0.01484 ± 1.519e−05
0.035
0.03
0.025
0.02
0.015
0.01

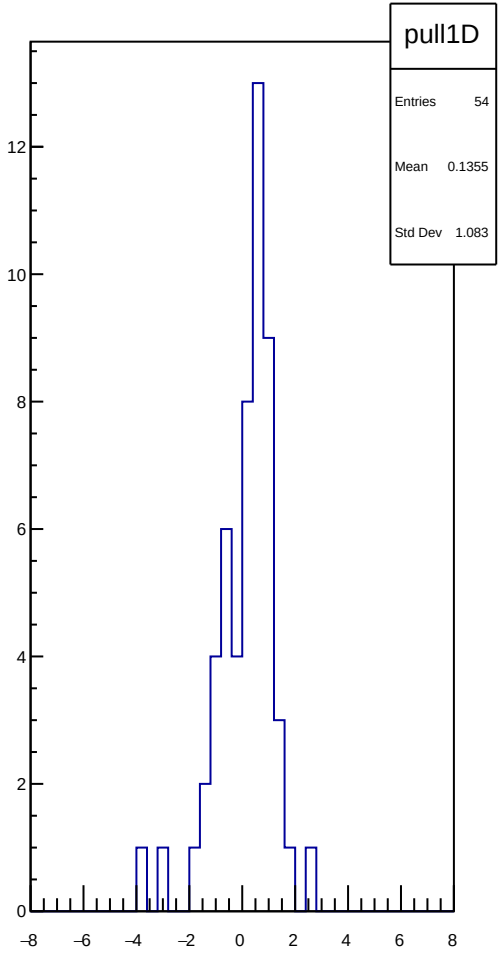

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.68 / 53
p0 0.02936 ± 0.4477
pull
Entries 54
Mean 27.06
Std Dev 0
pull1D
Entries 54
Mean −0.06477
Std Dev 0.8761

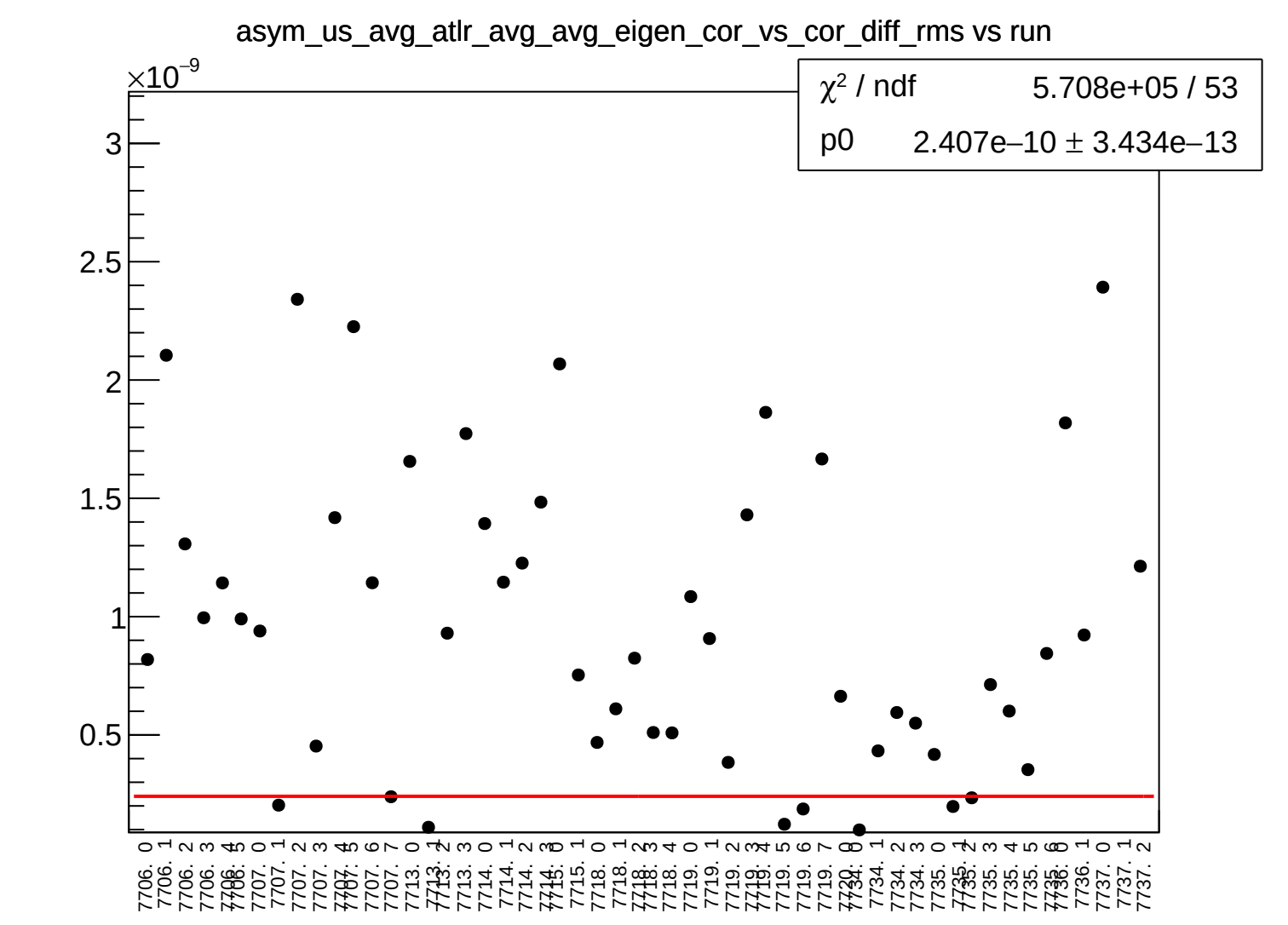

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.92e+05 / 53
p0 295.3 ± 0.3166
900
800
700
600
500
400
300
200

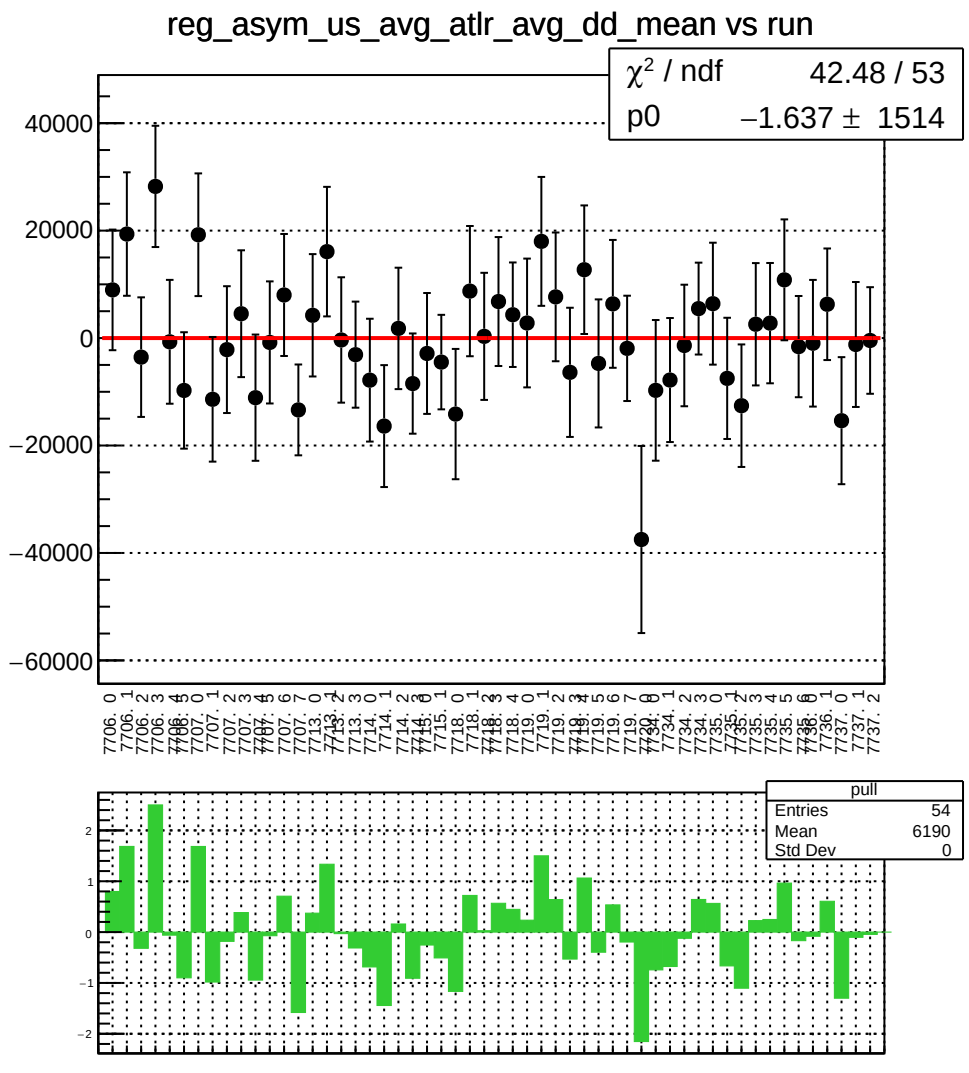

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.68 / 53
p0 0.02936 ± 0.4477
pull
Entries 54
Mean 27.06
Std Dev 0
pull1D
Entries 54
Mean −0.06477
Std Dev 0.8761

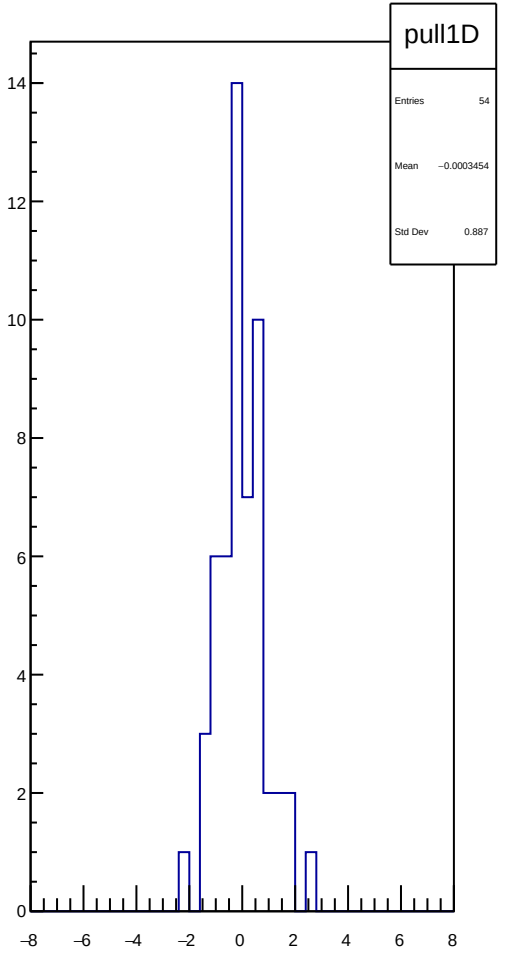

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.92e+05 / 53
p0 295.3 ± 0.3166
900
800
700
600
500
400
300
200

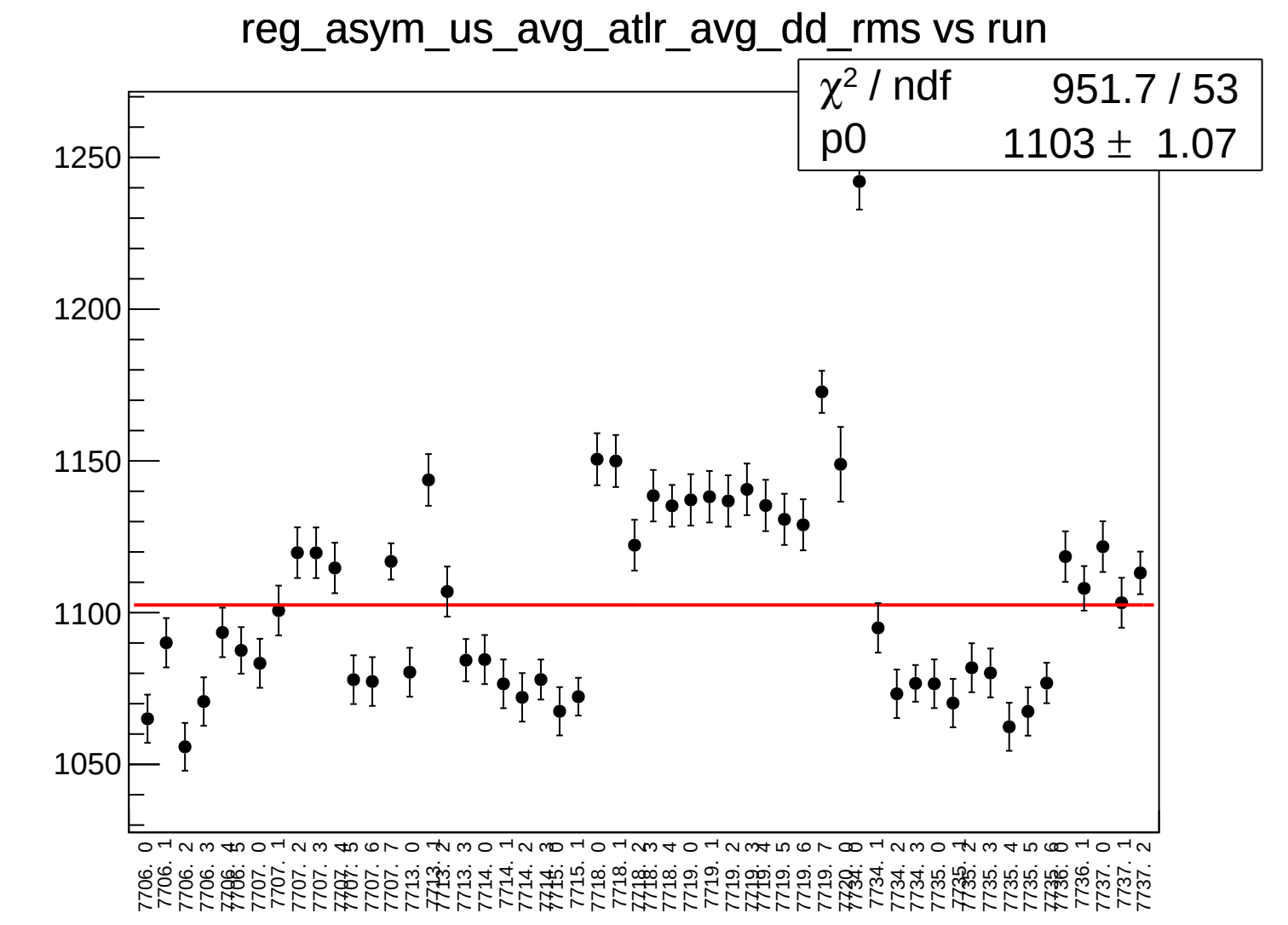

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.27 / 53
p0 −2.034e−13 ± 4.857e−13
pull
Entries 54
Mean 20.73
Std Dev 24.51

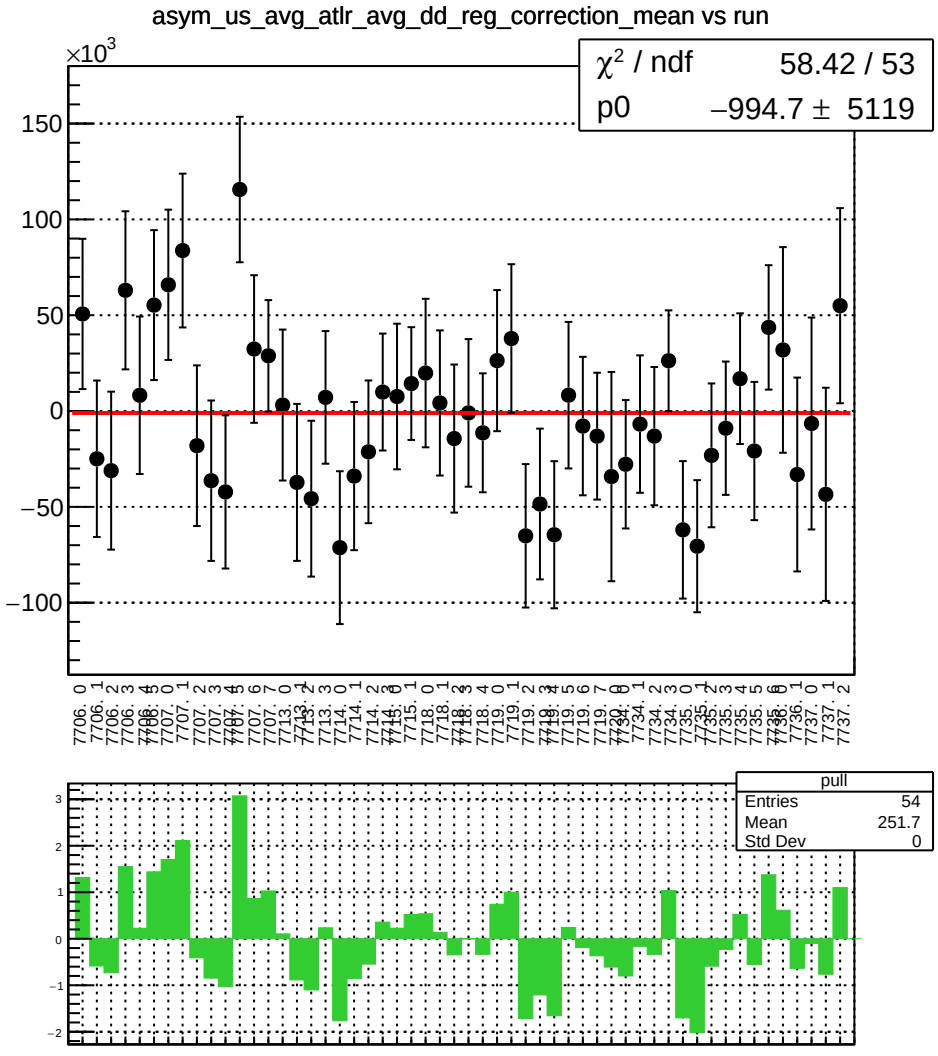

pull1D
Entries 54
Mean 0.1355
Std Dev 1.083

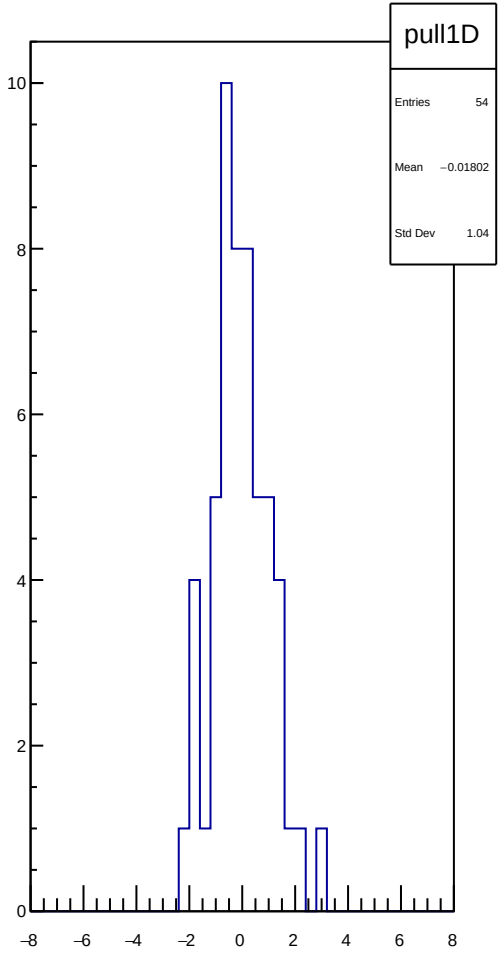

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.708e+05 / 53
p0 2.407e−10 ± 3.434e−13
3
2.5
2
1.5
1
0.5

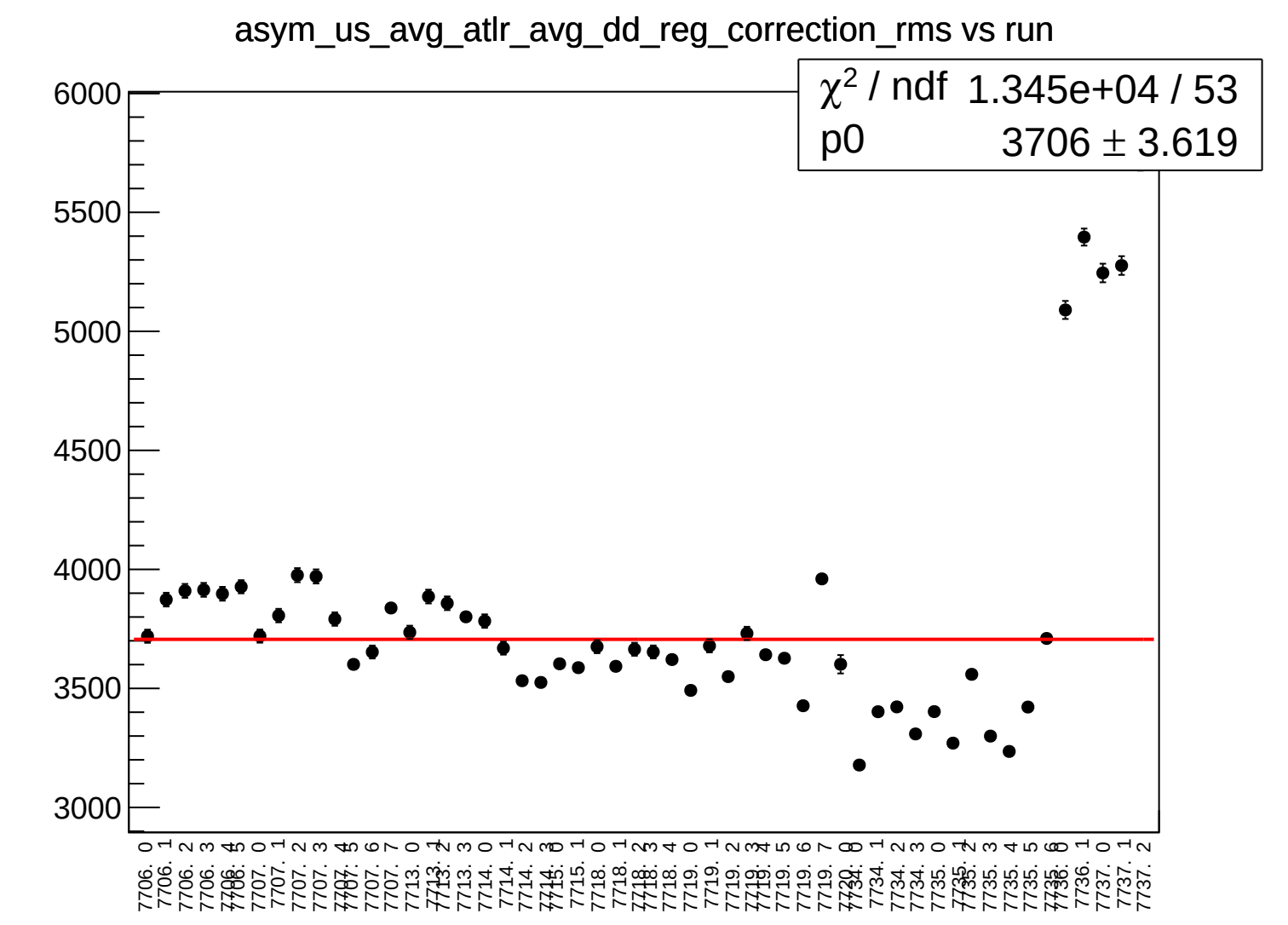

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 42.48 / 53
p0 −1.637 ± 1514
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 6190
Std Dev 0
2
1
0
−1
−2

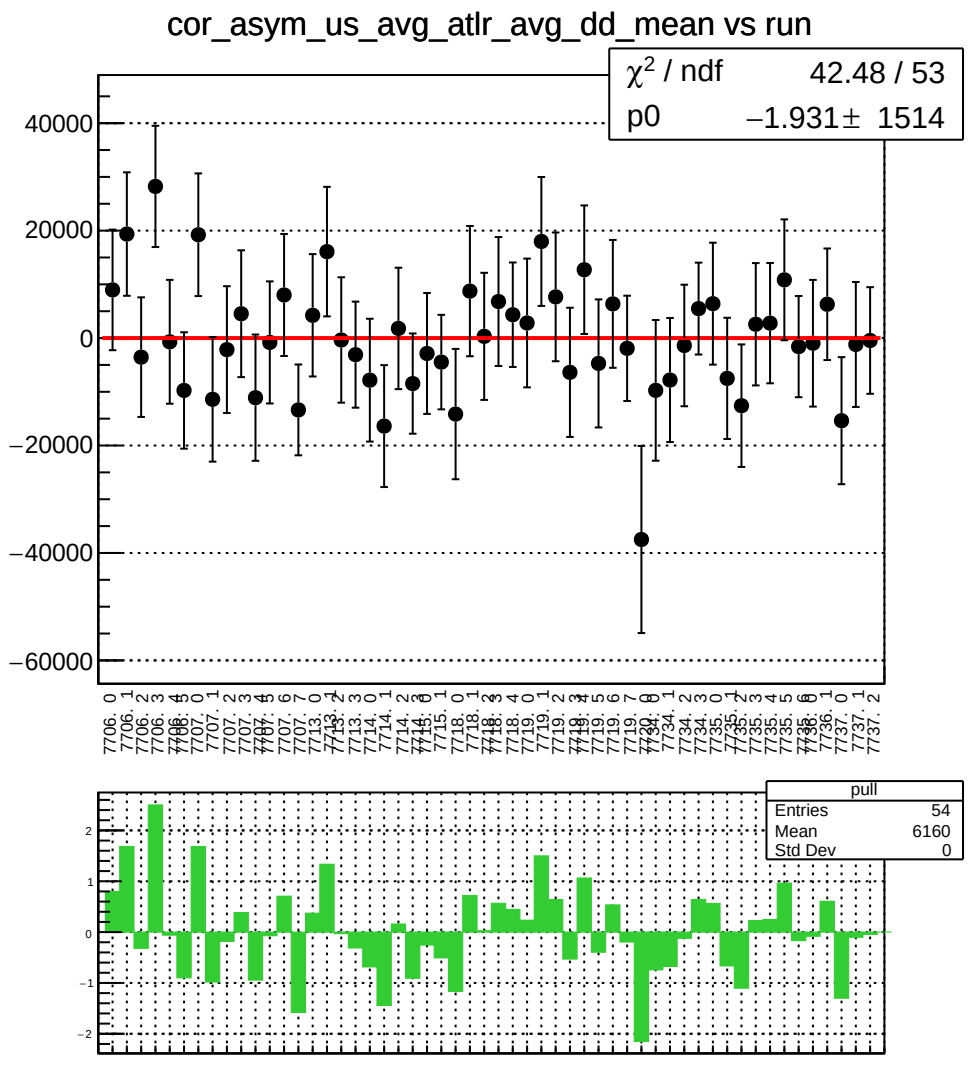

pull1D
Entries 54
Mean −0.0003454
Std Dev 0.887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

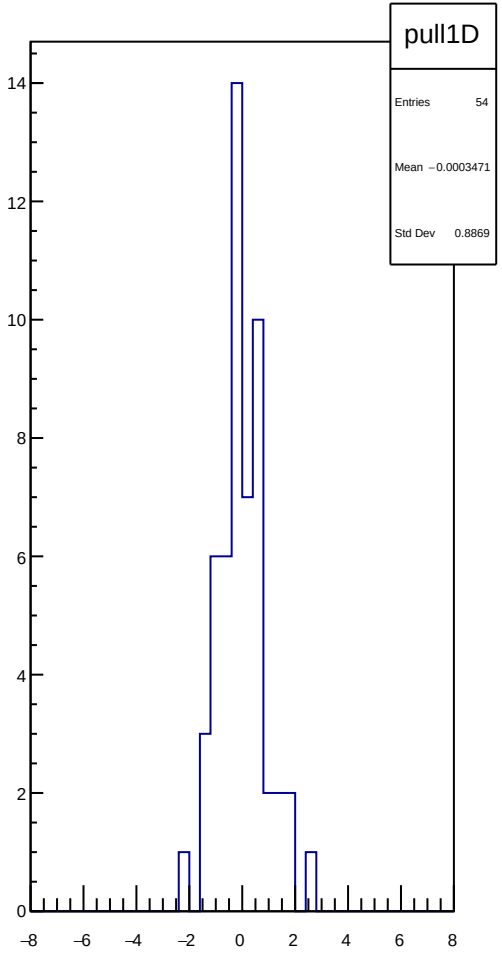

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 951.7 / 53
p0 1103 ± 1.07
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

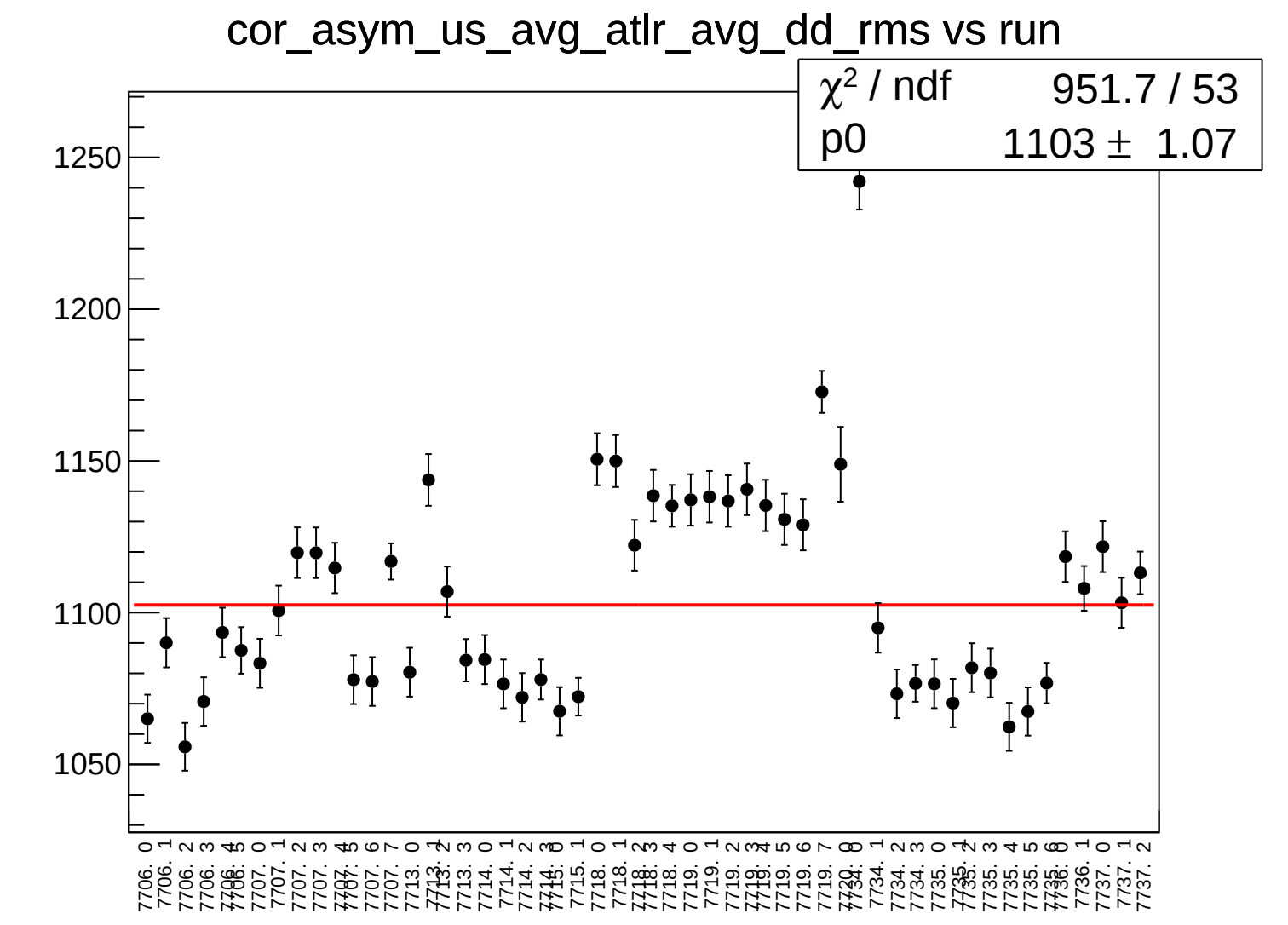

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.42 / 53
p0 −994.7 ± 5119
150
100
50
0
−50
−100
pull
Entries 54
Mean 251.7
Std Dev 0
3
2
1
0
−1
−2

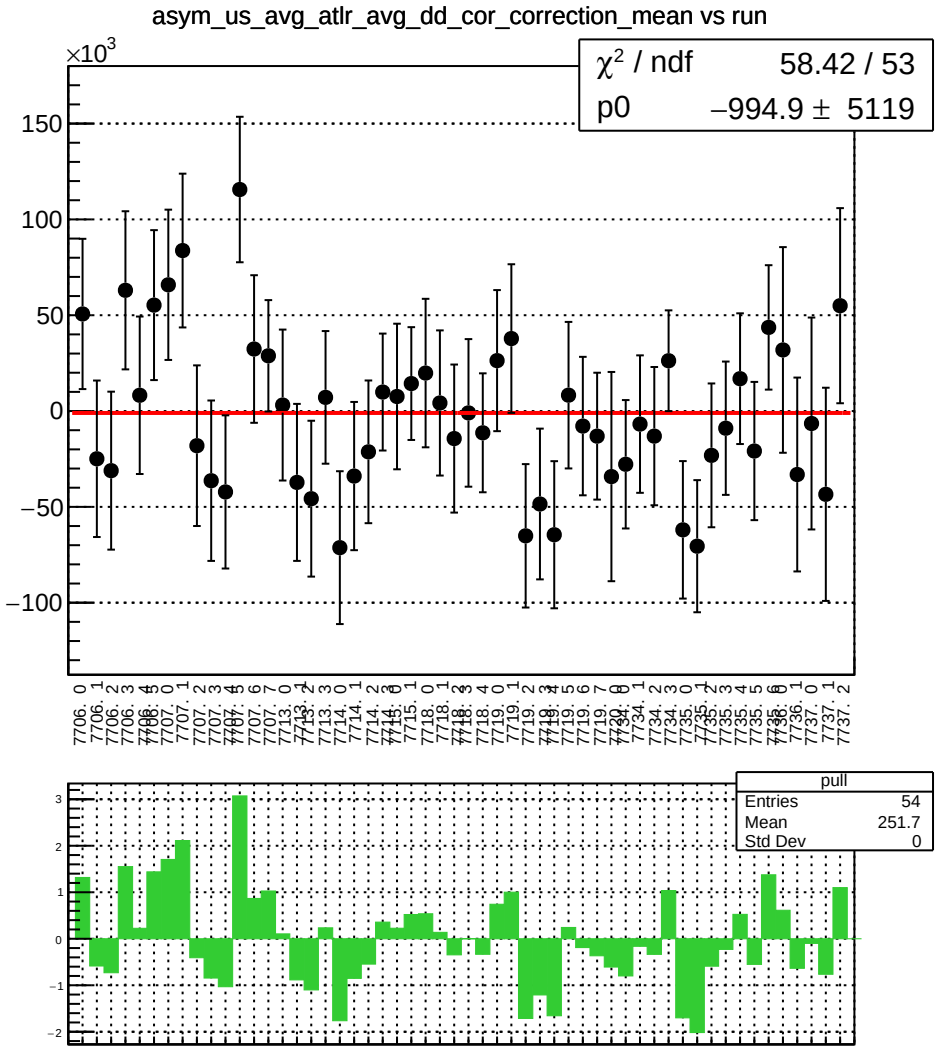

pull1D
Entries 54
Mean −0.01802
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

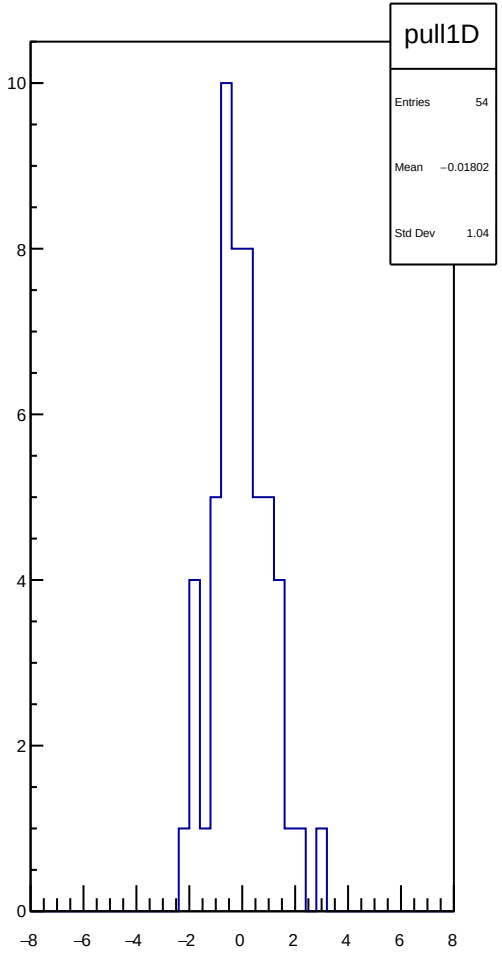

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.345e+04 / 53
p0 3706 ± 3.619
6000
5500
5000
4500
4000
3500
3000

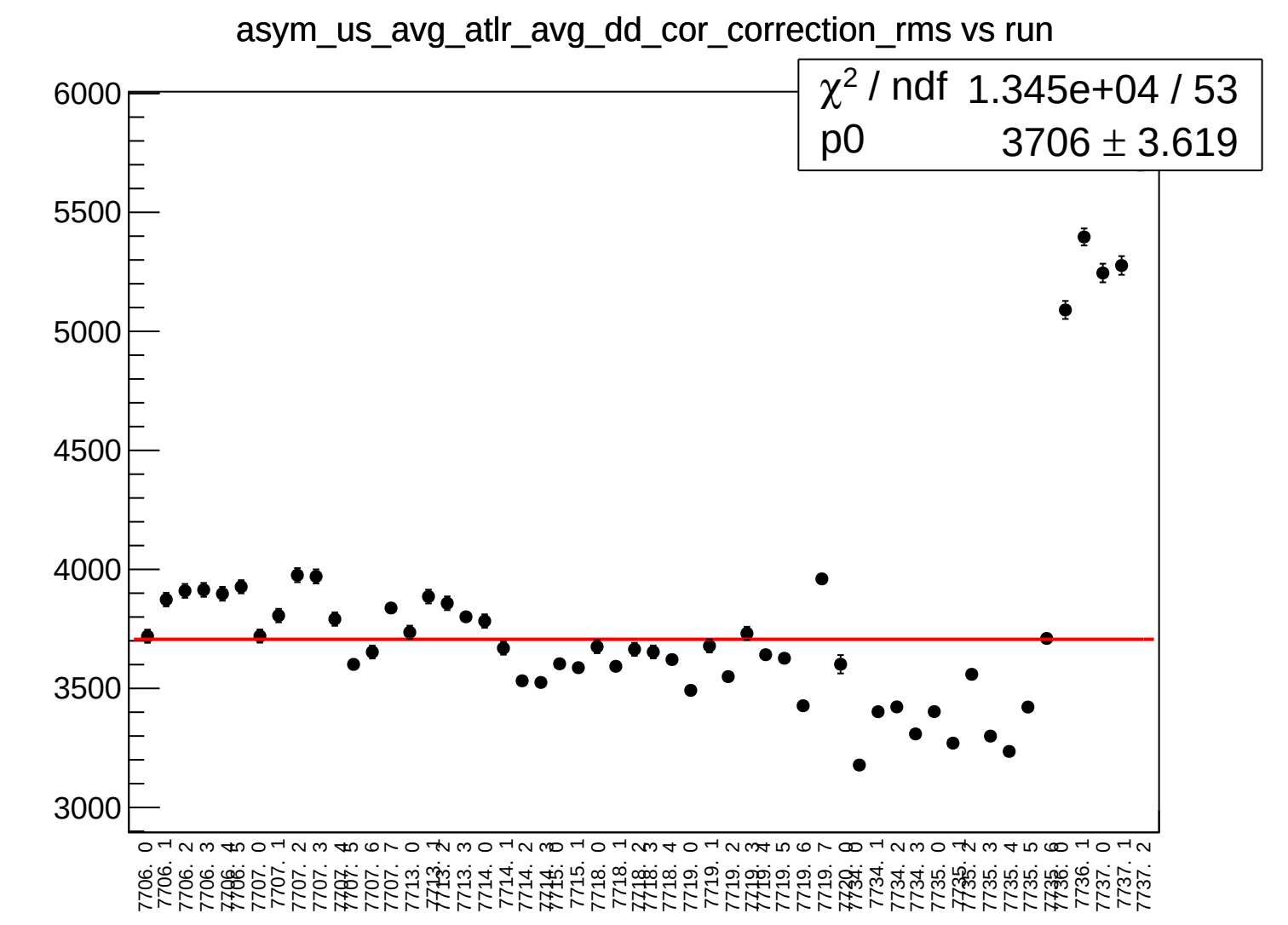

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 42.48 / 53
p0 −1.931± 1514
pull
Entries 54
Mean 6160
Std Dev 0

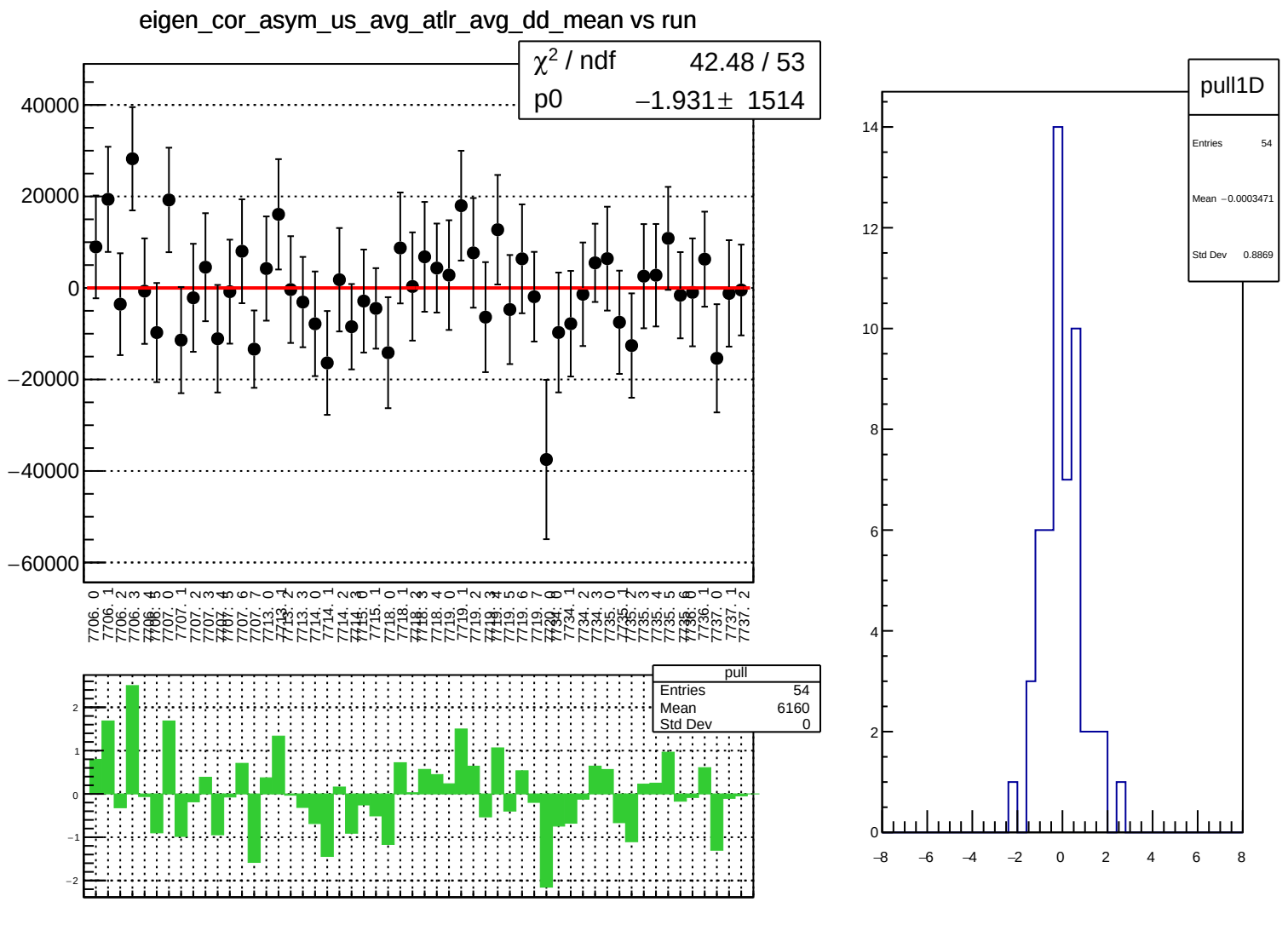

pull1D
Entries 54
Mean −0.0003471
Std Dev 0.8869

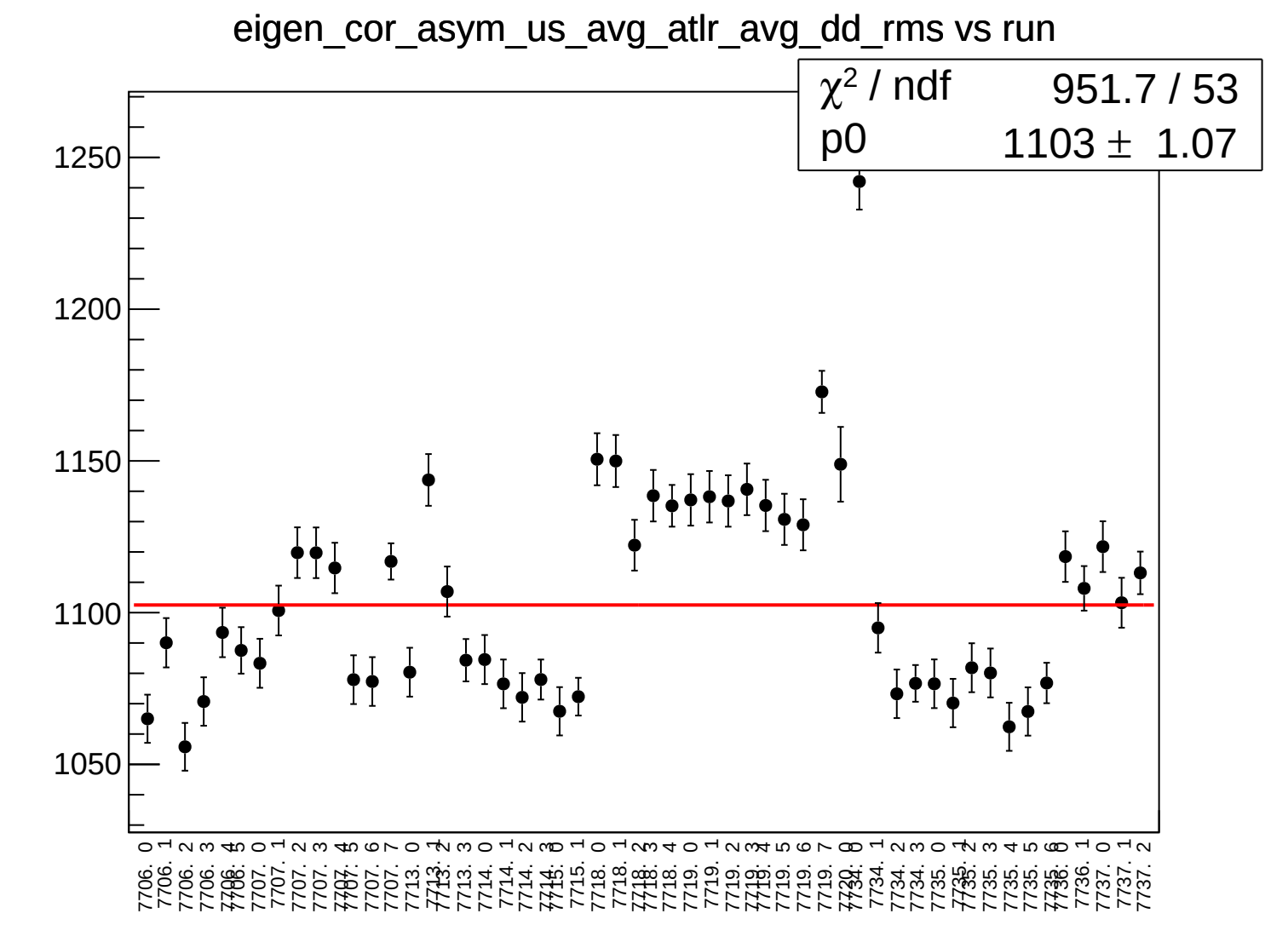

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 951.7 / 53
p0 1103 ± 1.07
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

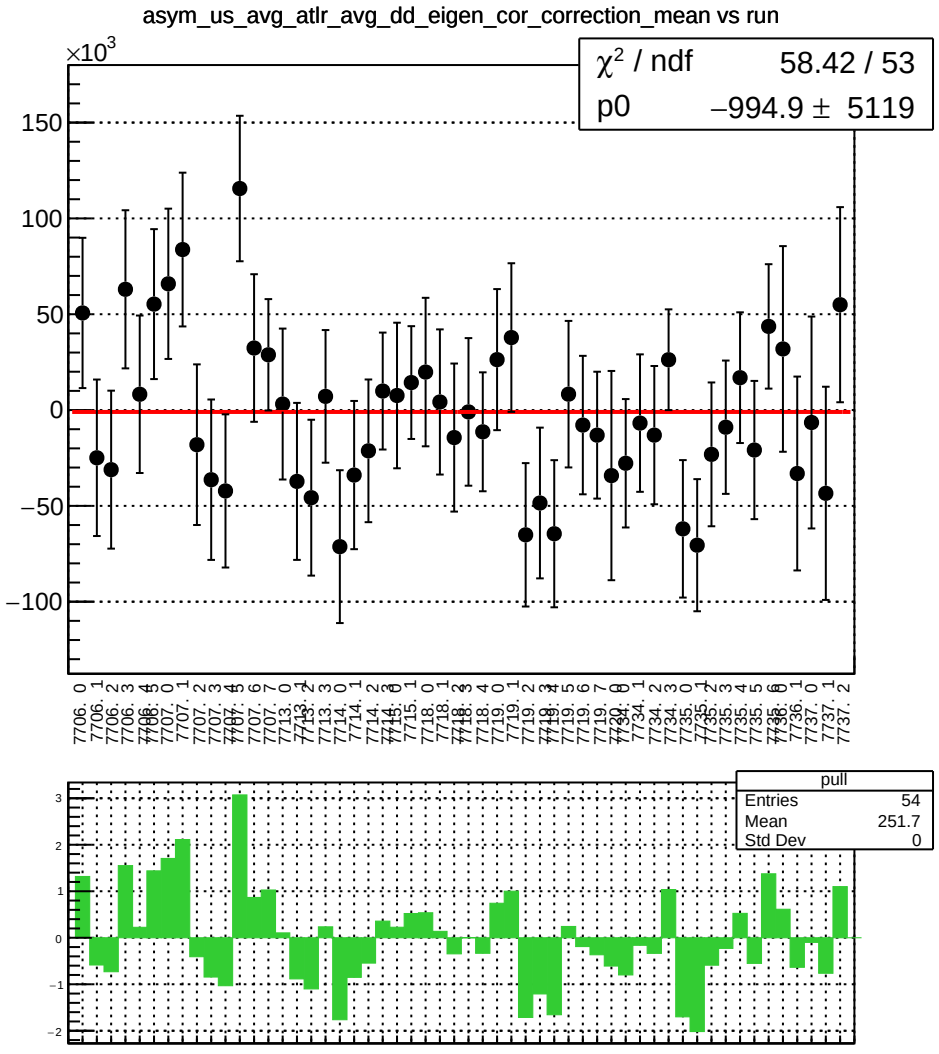

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.42 / 53
p0 −994.9 ± 5119
150
100
50
0
−50
−100
pull
Entries 54
Mean 251.7
Std Dev 0
3
2
1
0
−1
−2

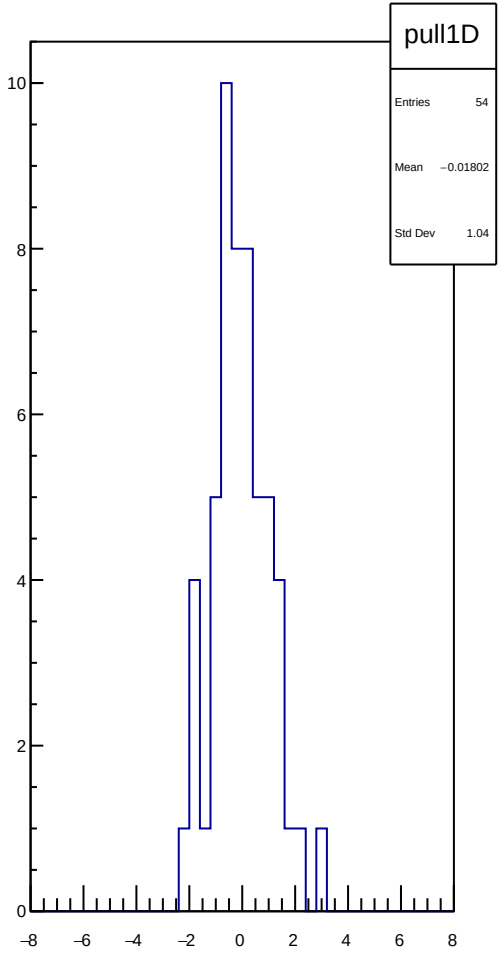

pull1D
Entries 54
Mean −0.01802
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

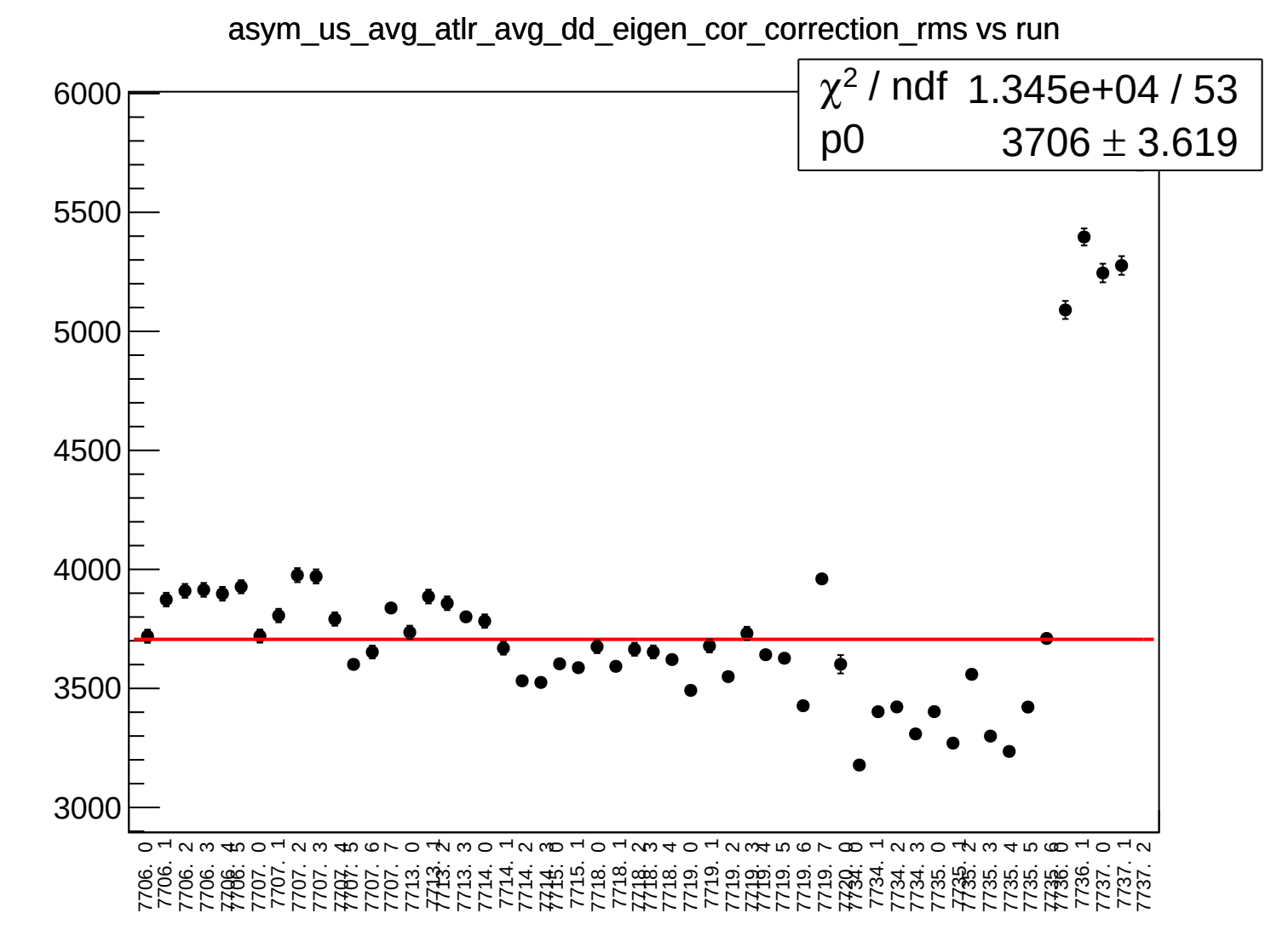

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.345e+04 / 53
p0 3706 ± 3.619
6000
5500
5000
4500
4000
3500
3000

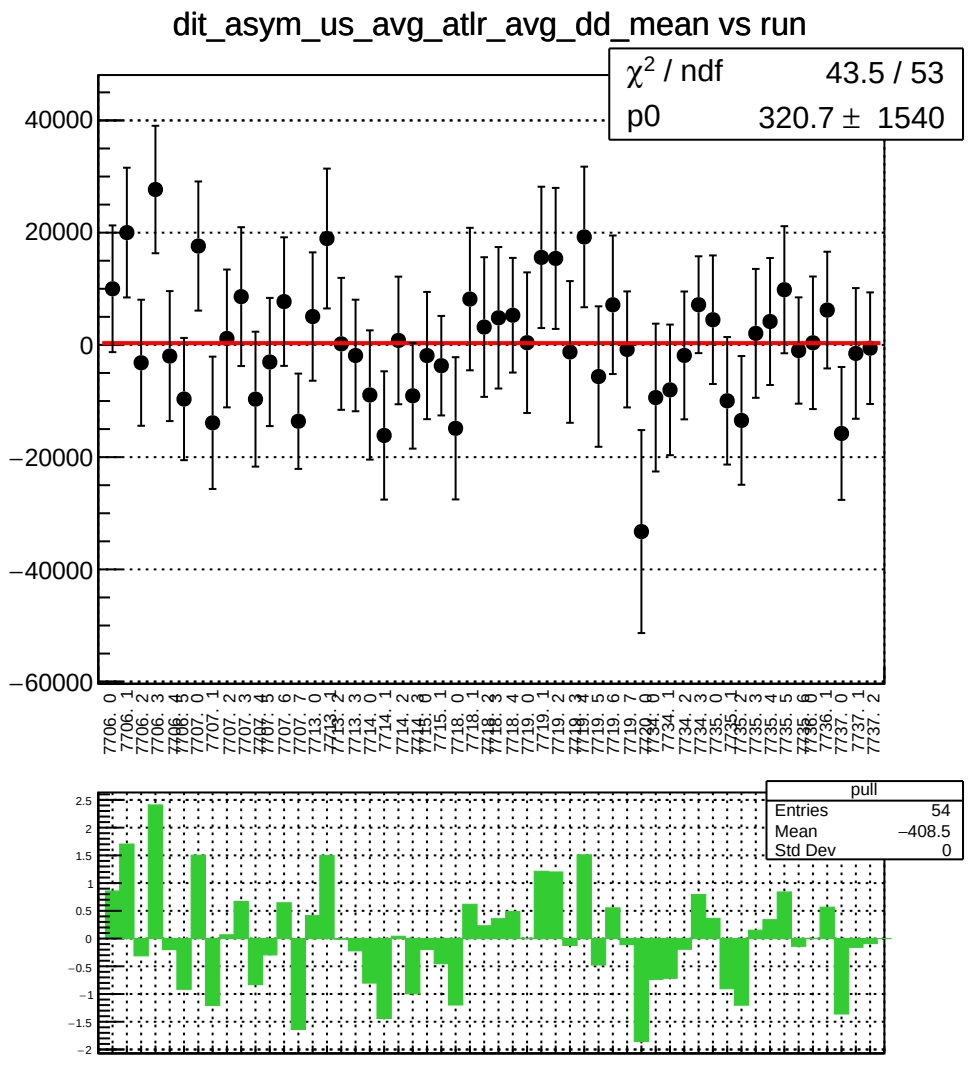

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 42.48 / 53
p0 −1.931± 1514
pull
Entries 54
Mean 6160
Std Dev 0
pull1D
Entries 54
Mean −0.0003471
Std Dev 0.8869

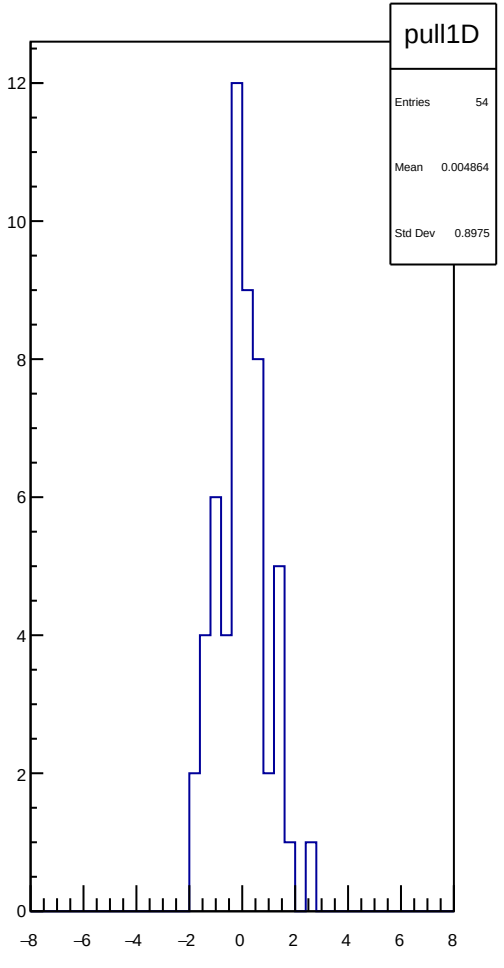

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 951.7 / 53
p0 1103 ± 1.07
1250
1200
1150
1100
1050

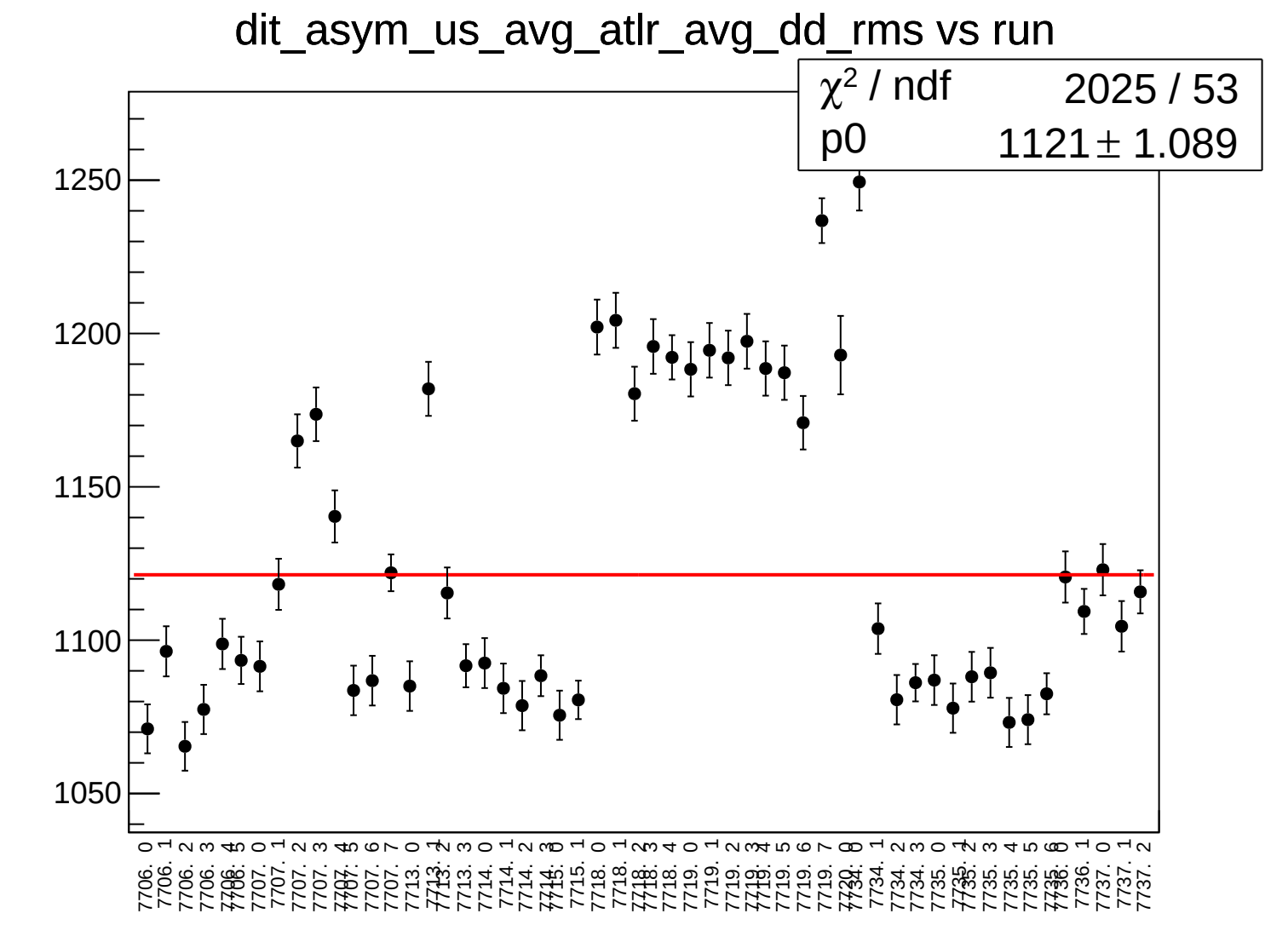

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.42 / 53
p0 −994.9 ± 5119
150
100
50
0
−50
−100
pull
Entries 54
Mean 251.7
Std Dev 0
3
2
1
0
−1
−2

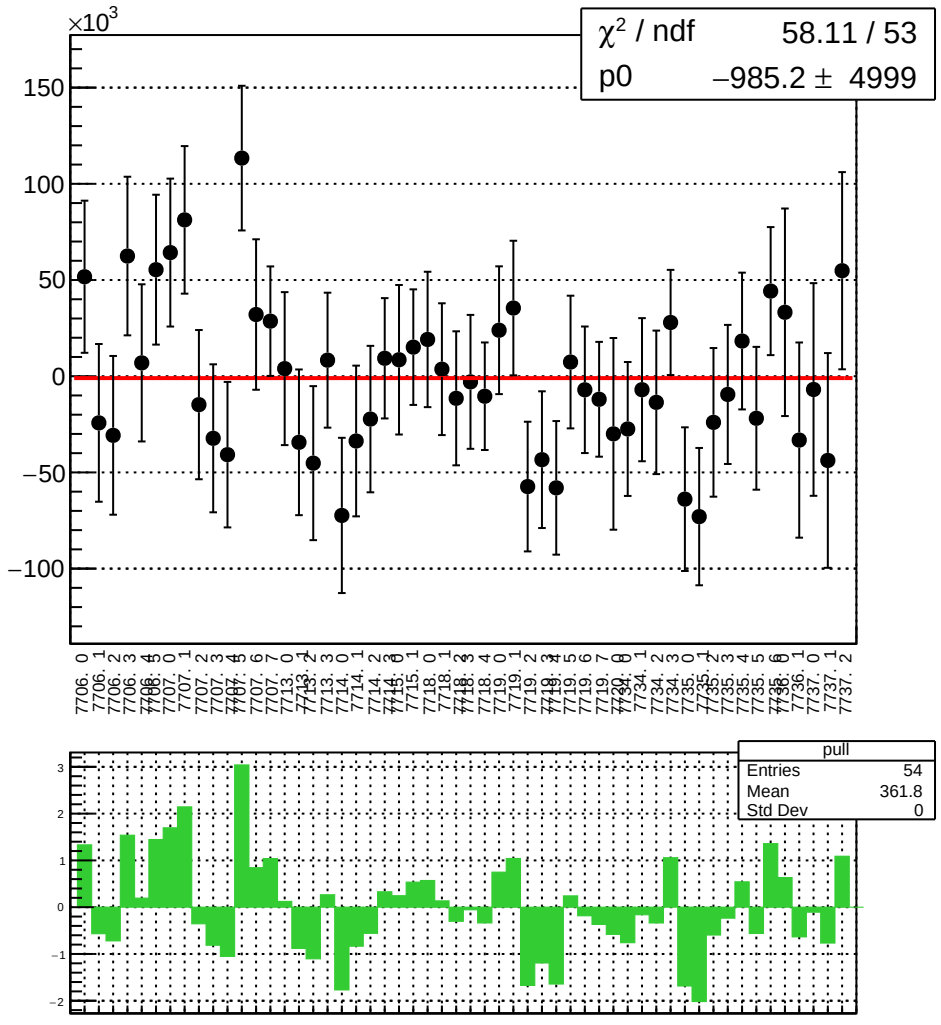

pull1D
Entries 54
Mean −0.01802
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

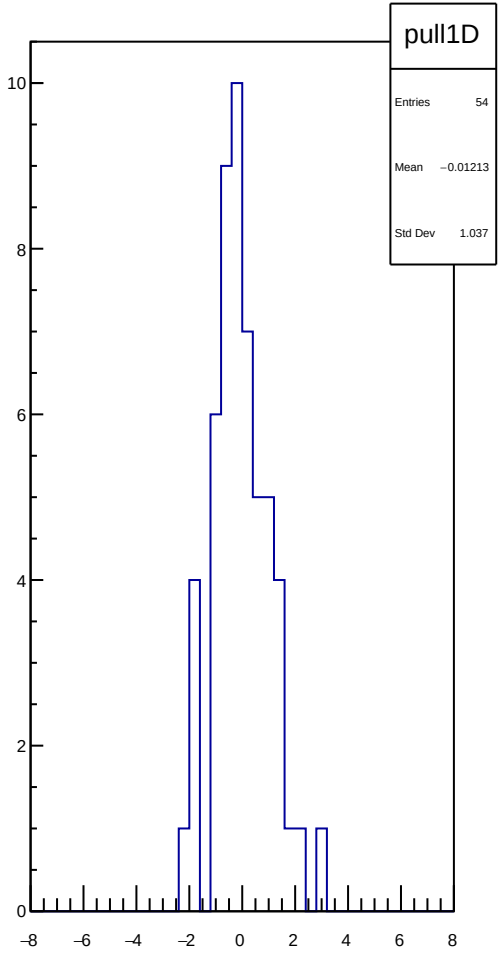

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.345e+04 / 53
p0 3706 ± 3.619
6000
5500
5000
4500
4000
3500
3000

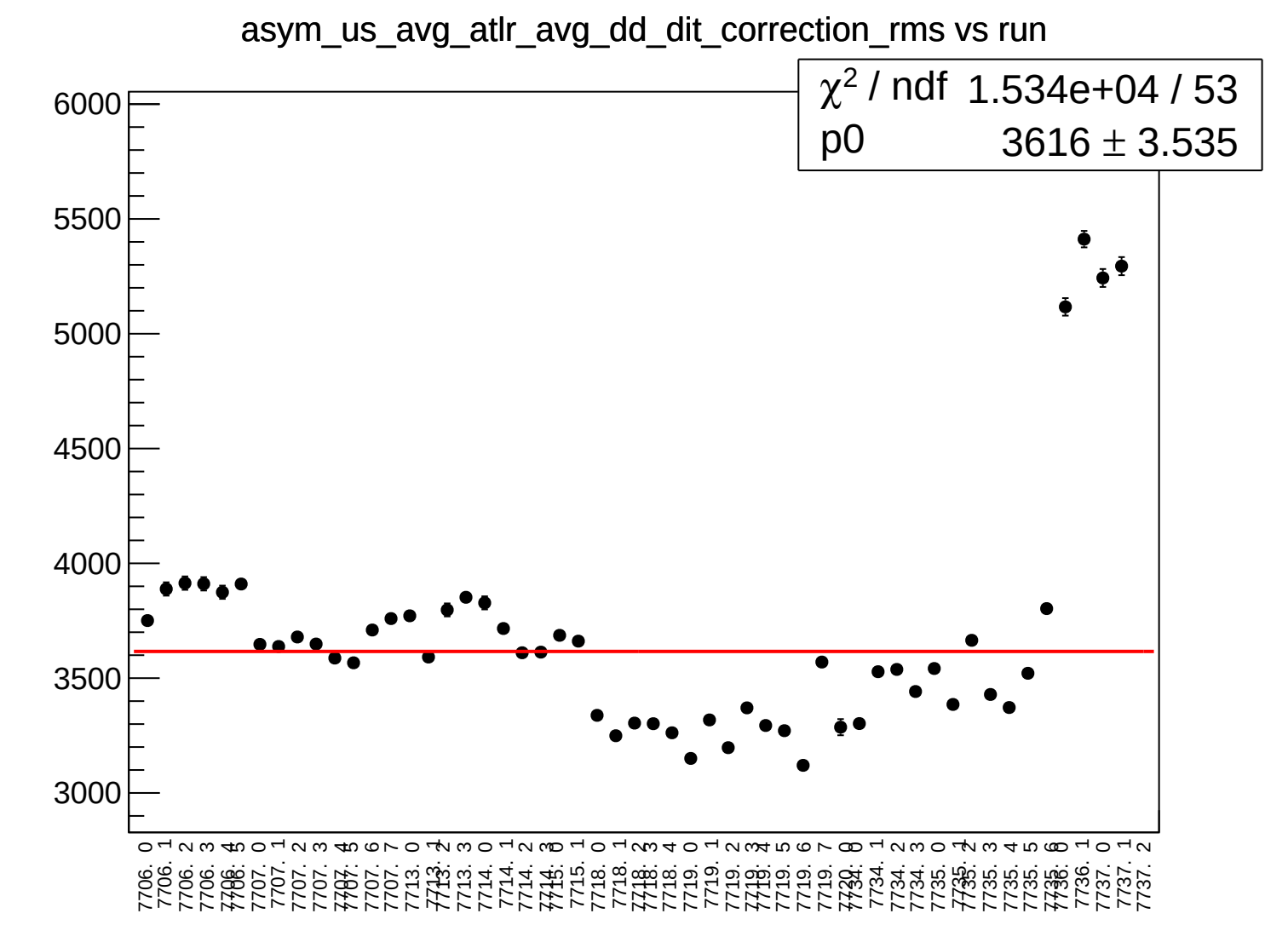

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 43.5 / 53
p0 320.7 ± 1540
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −408.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

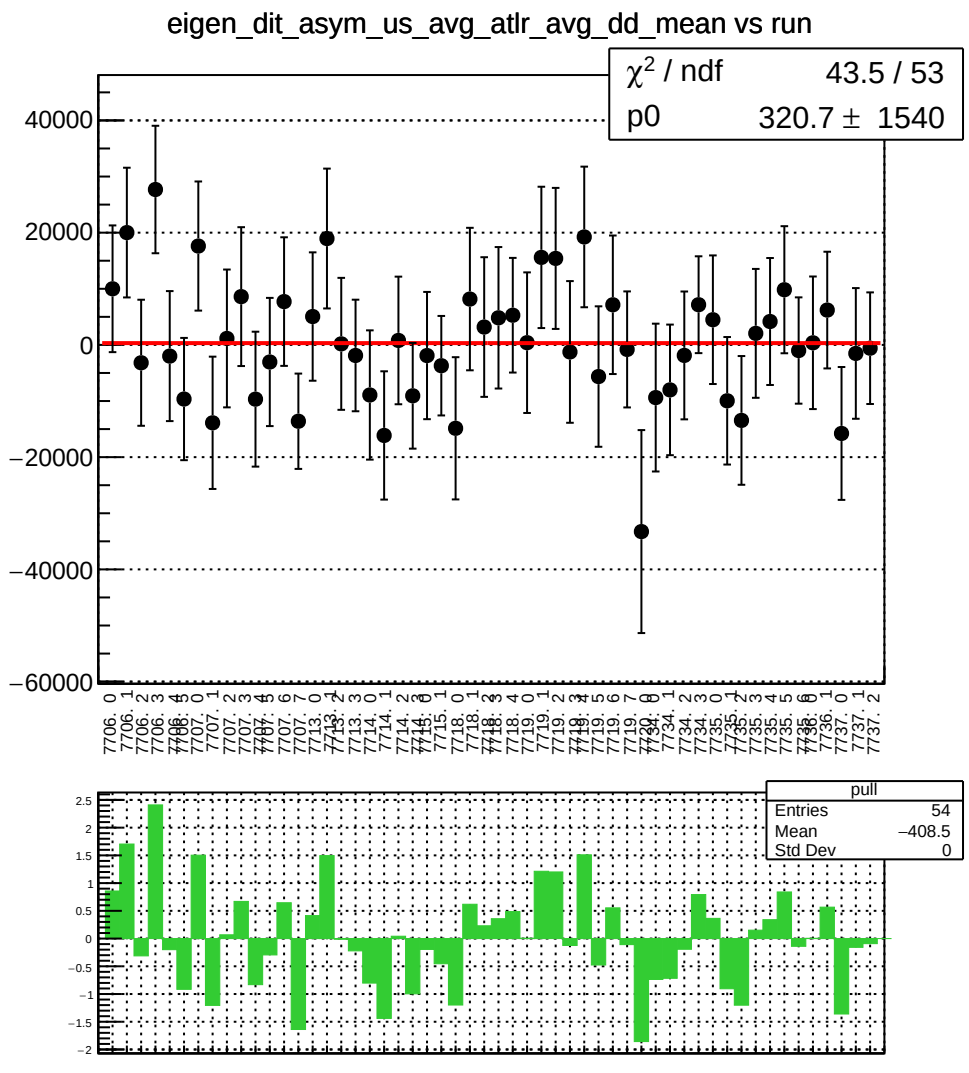

pull1D
Entries 54
Mean 0.004864
Std Dev 0.8975
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

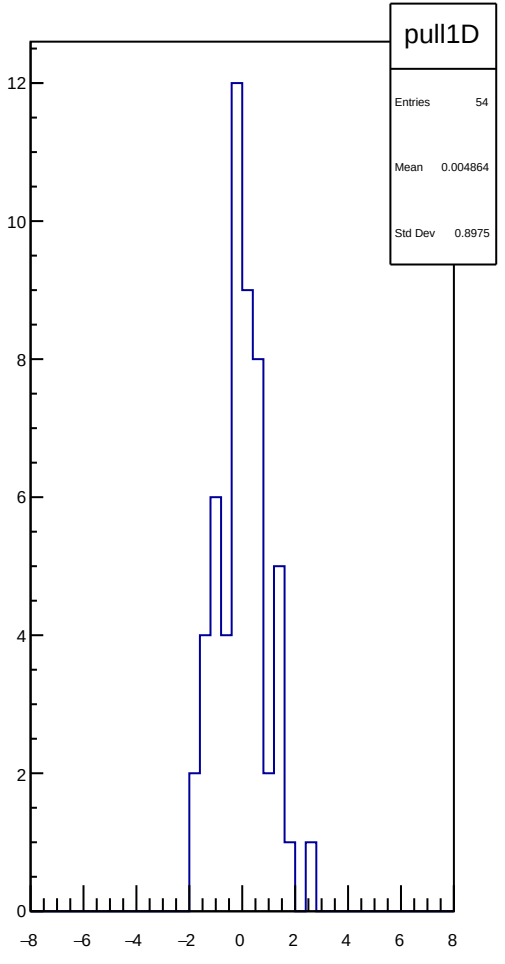

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2025 / 53
p0 1121 ± 1.089
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

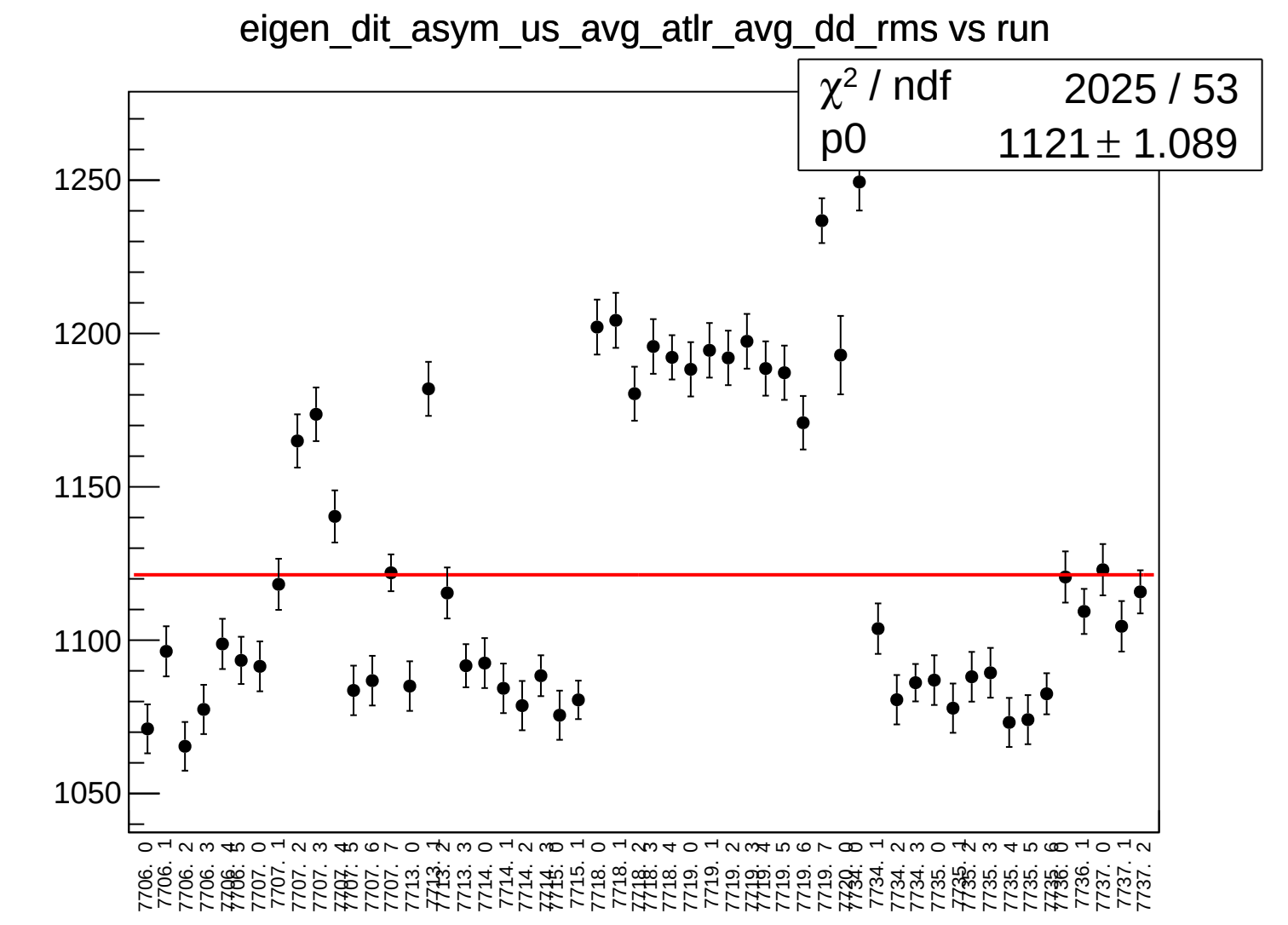

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 58.11 / 53
p0 −985.2 ± 4999
150
100
50
0
−50
−100
pull
Entries 54
Mean 361.8
Std Dev 0
3
2
1
0
−1
−2

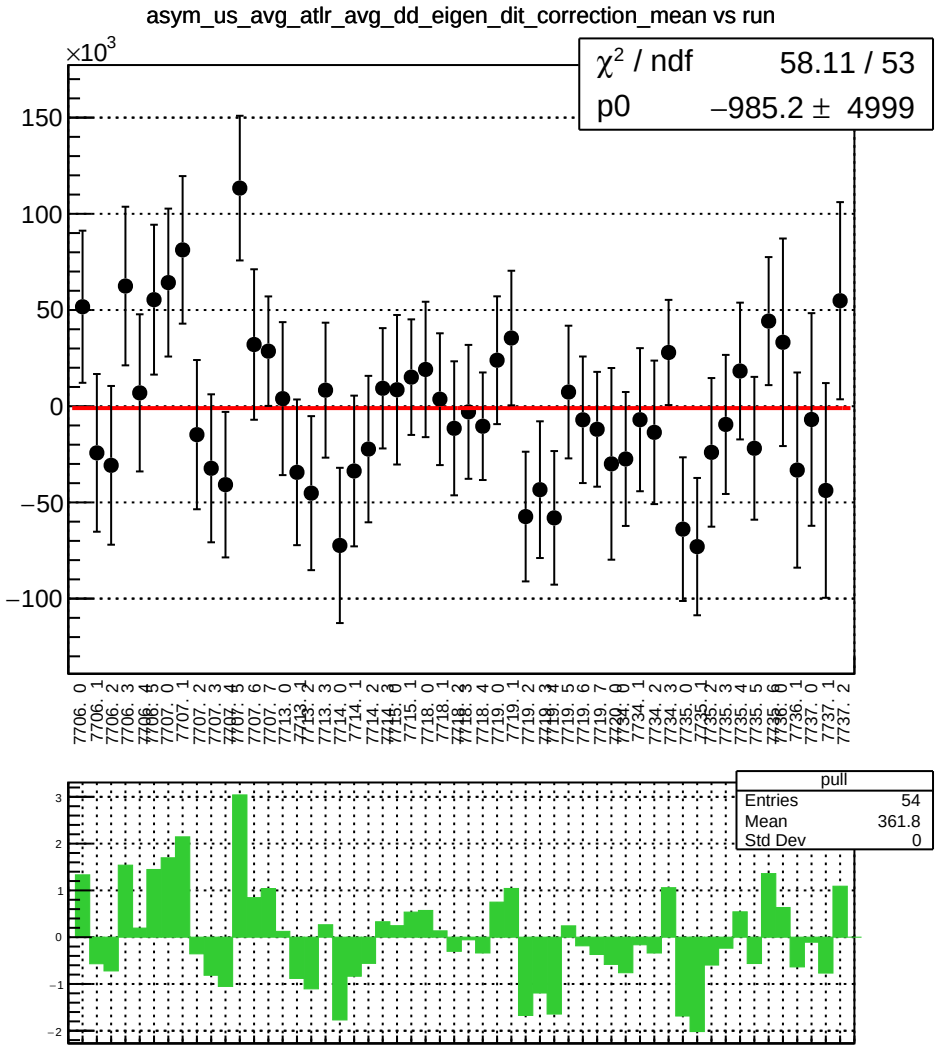

pull1D
Entries 54
Mean −0.01213
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

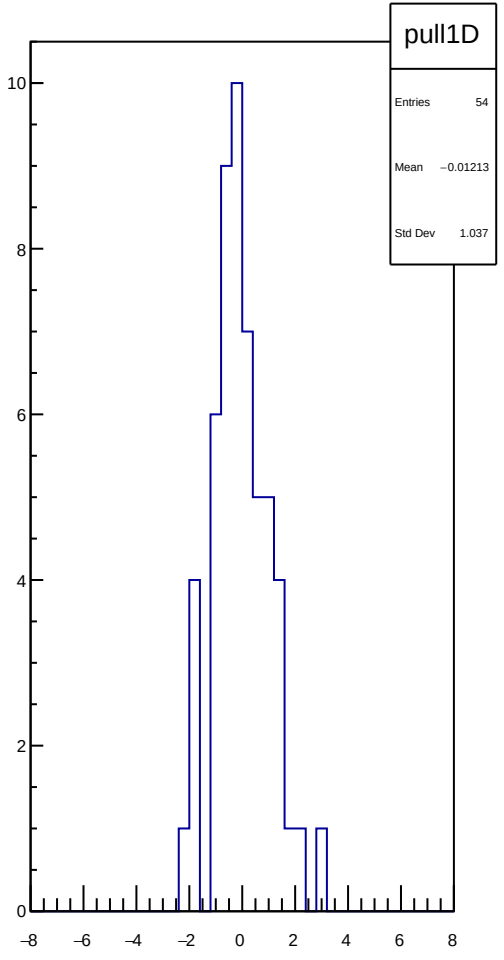

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.534e+04 / 53
p0 3616 ± 3.535
6000
5500
5000
4500
4000
3500
3000

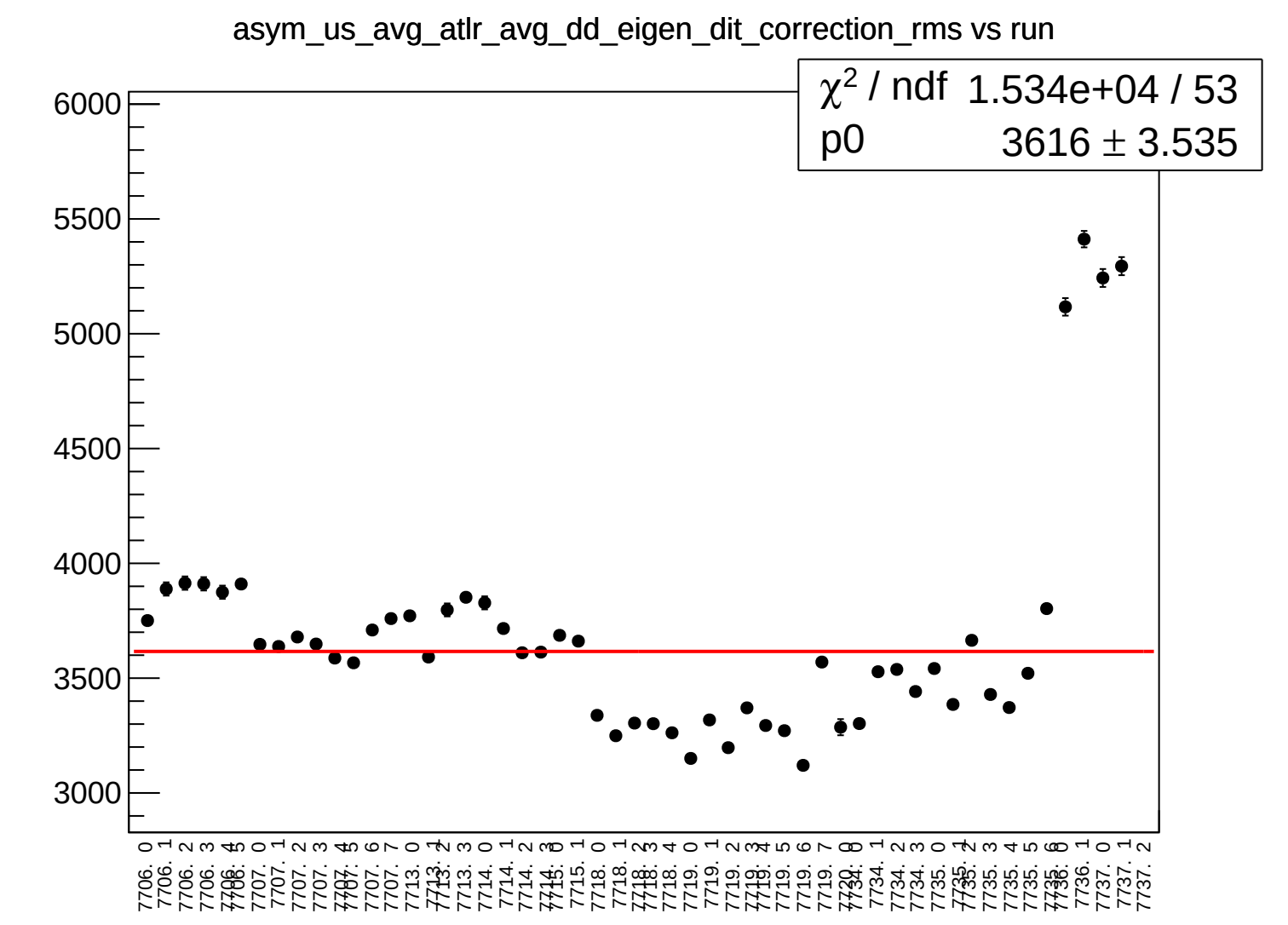

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 43.5 / 53
p0 320.7 ± 1540
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −408.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

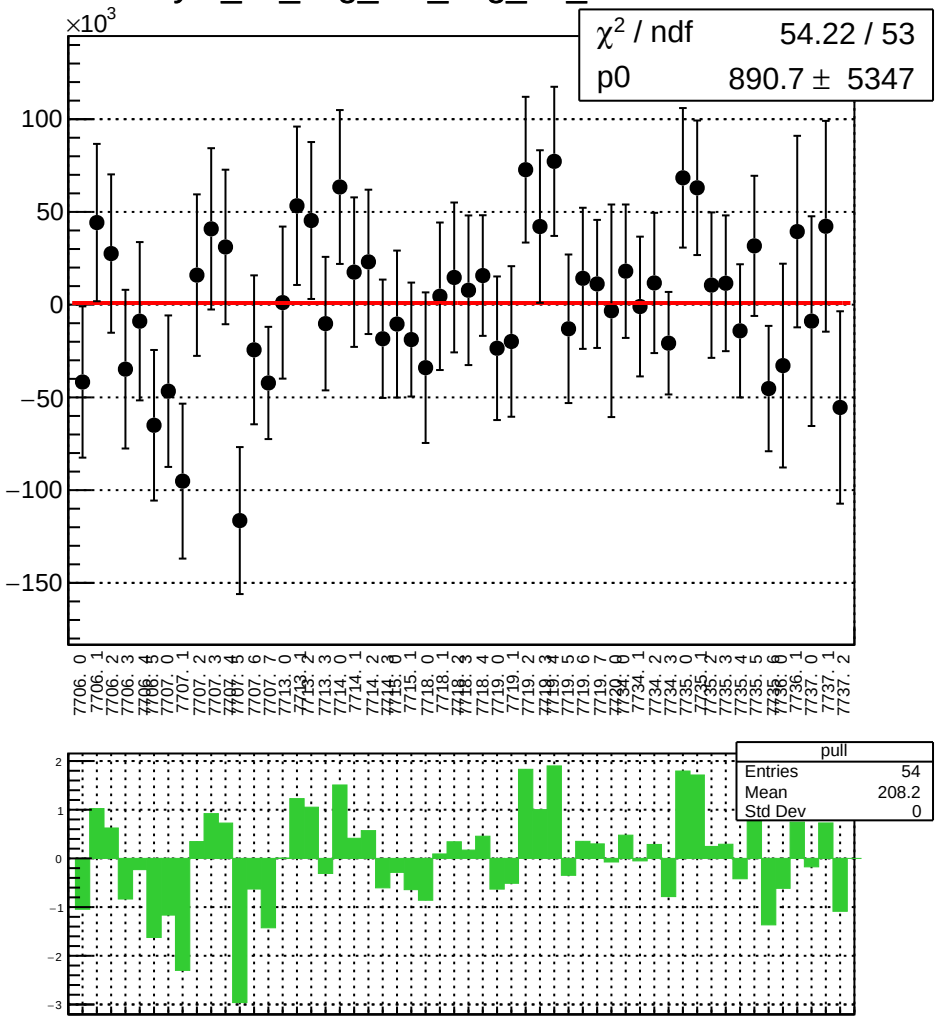

pull1D
Entries 54
Mean 0.004864
Std Dev 0.8975
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

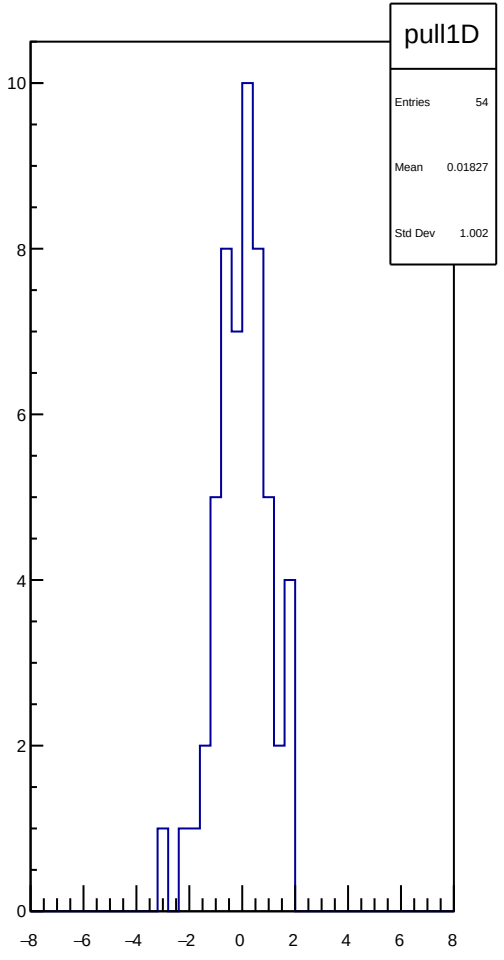

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2025 / 53
p0 1121 ± 1.089
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

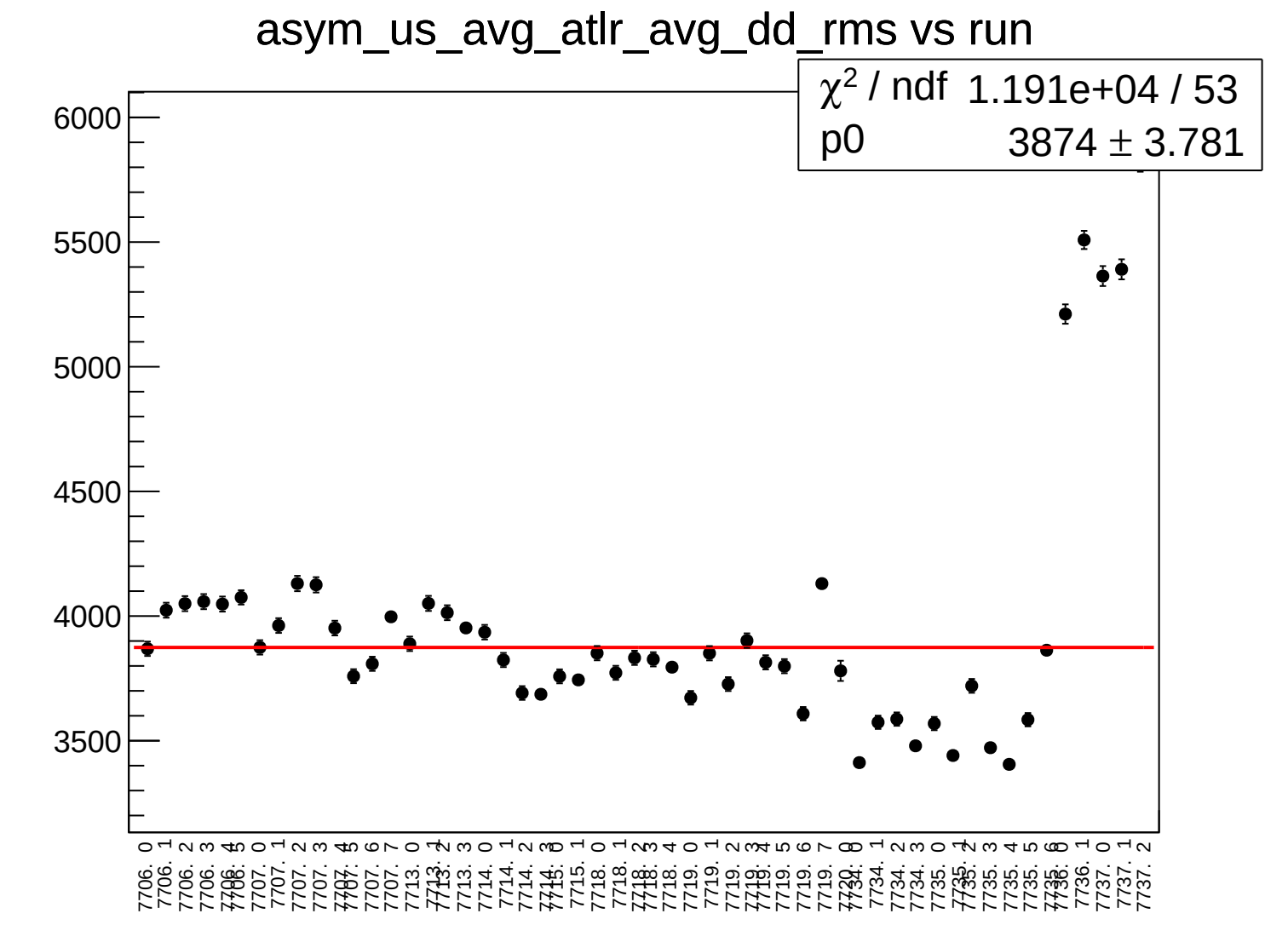

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.11 / 53
p0 −985.2 ± 4999
150
100
50
0
−50
−100
pull
Entries 54
Mean 361.8
Std Dev 0
3
2
1
0
−1
−2

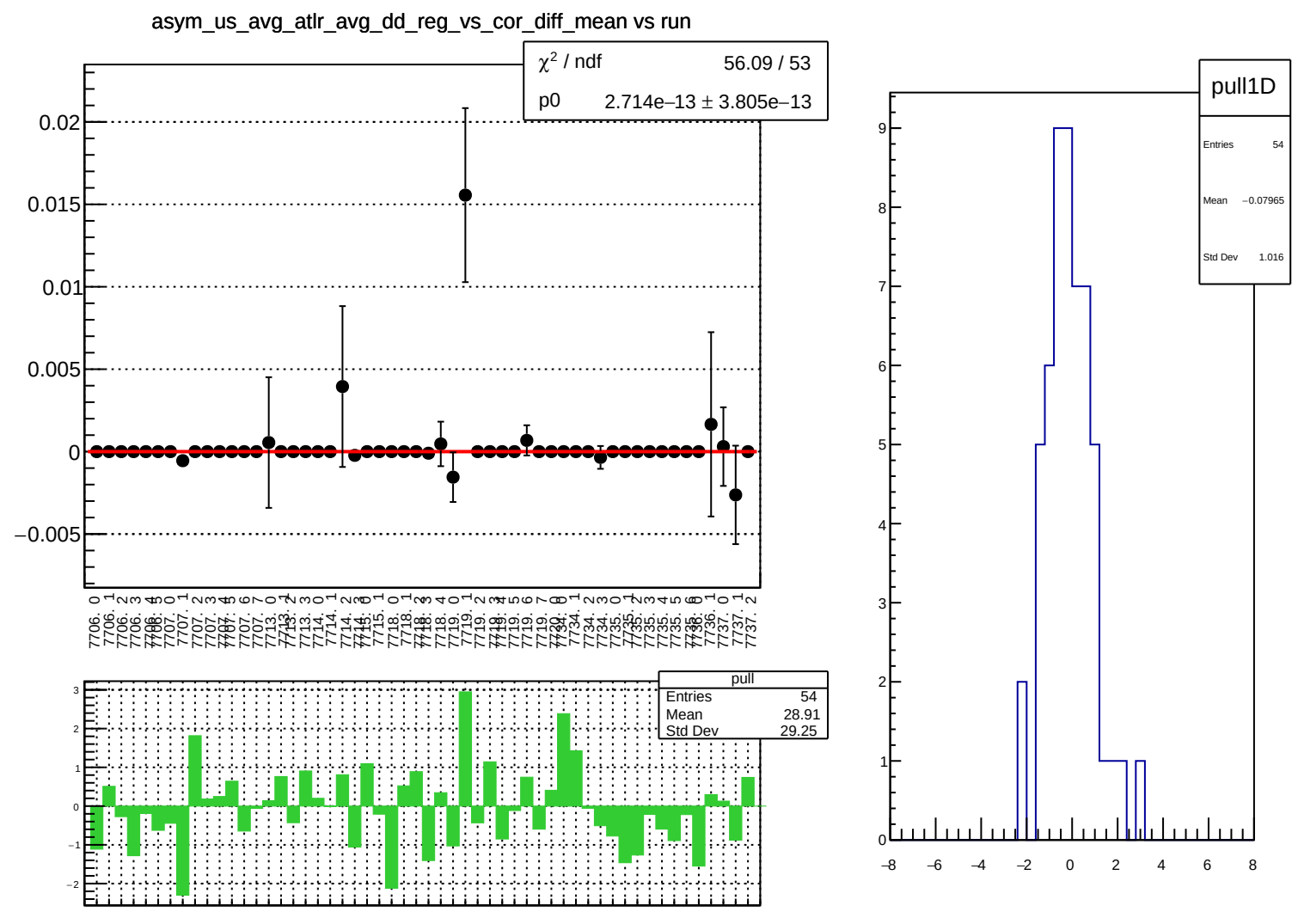

pull1D
Entries 54
Mean −0.01213
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

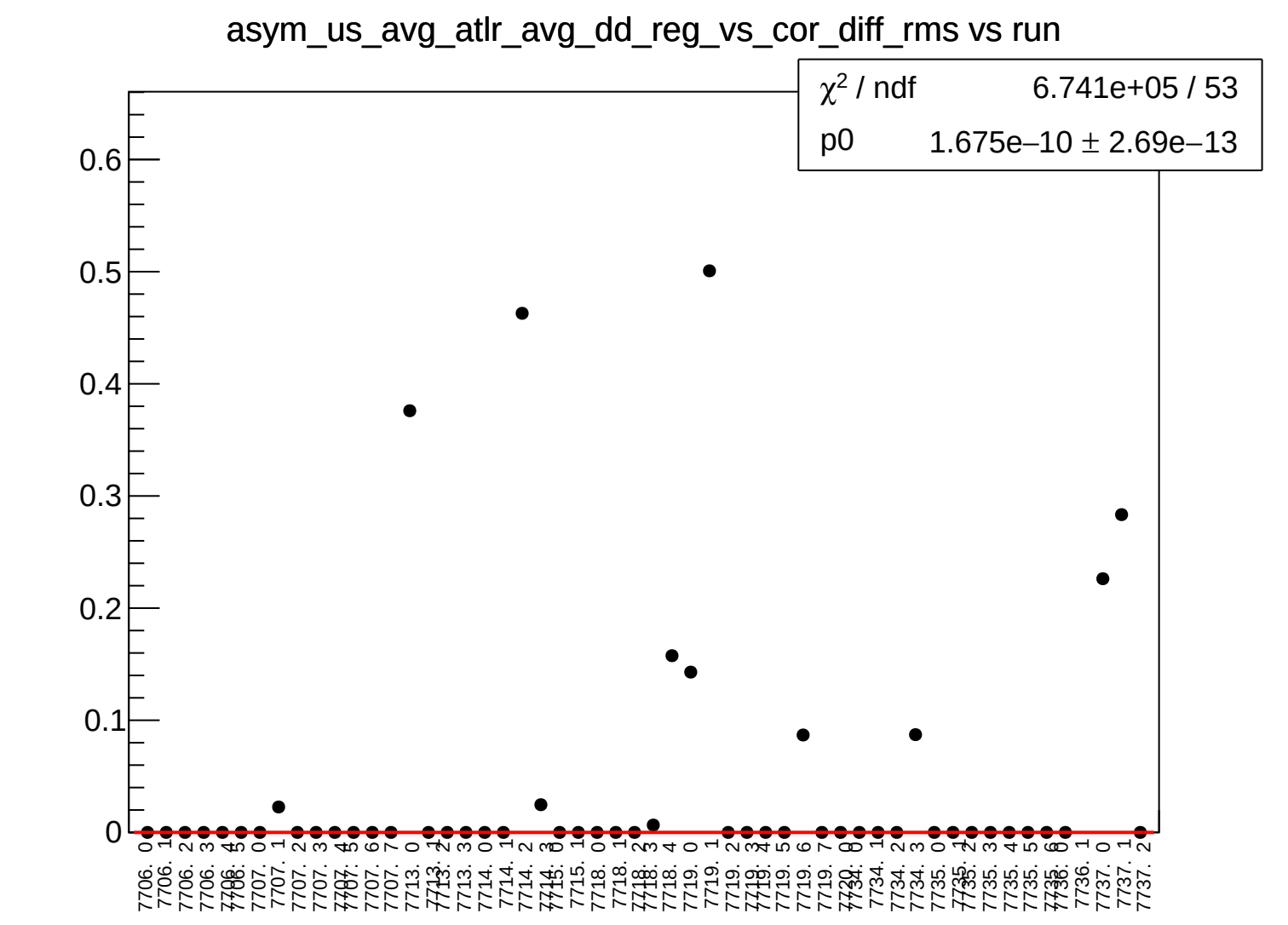

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.534e+04 / 53
p0 3616 ± 3.535
6000
5500
5000
4500
4000
3500
3000

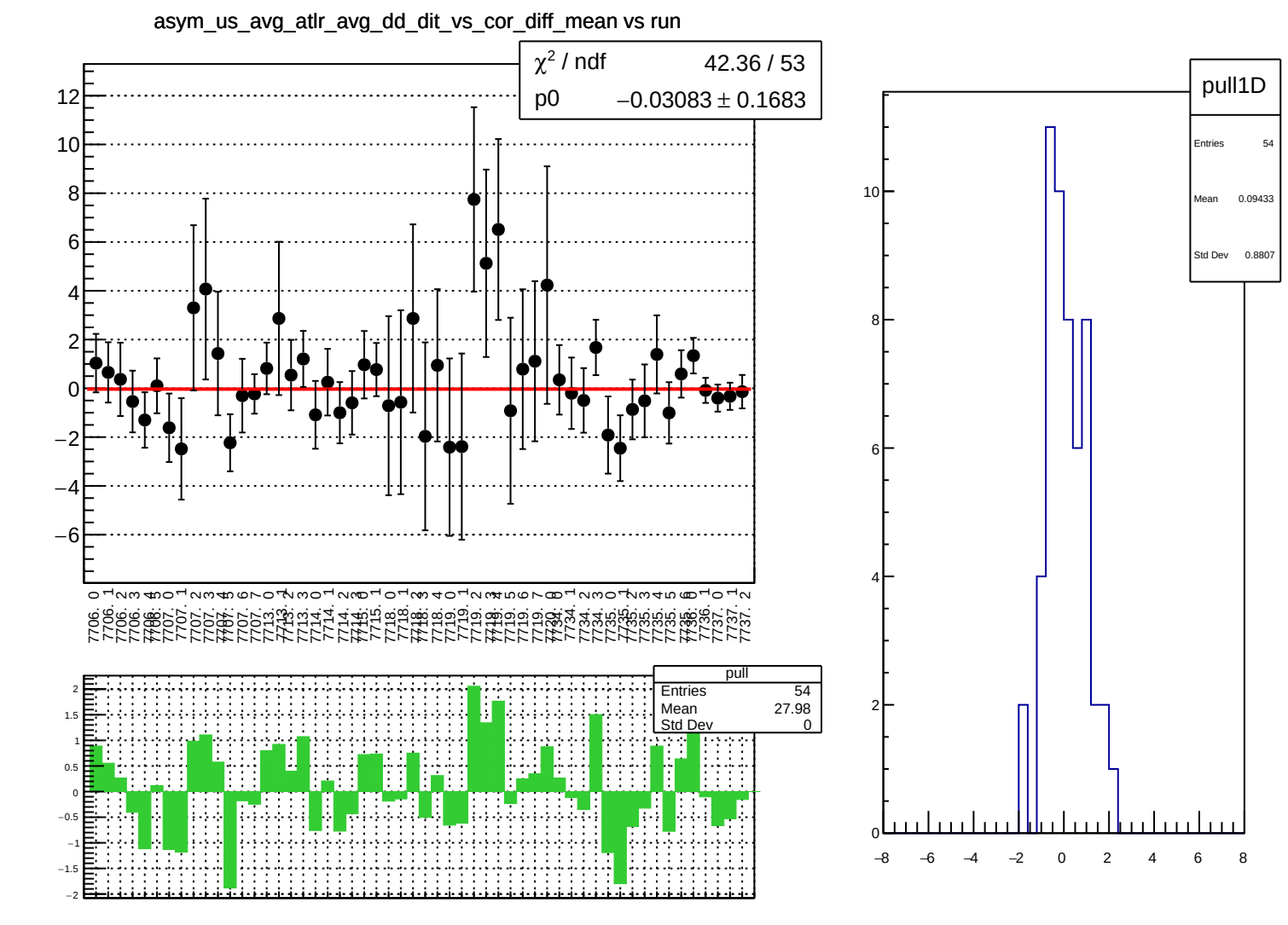

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 54.22 / 53
p0 890.7 ± 5347
100
50
0
−50
−100
−150
pull
Entries 54
Mean 208.2
Std Dev 0
2
1
0
−1
−2
−3

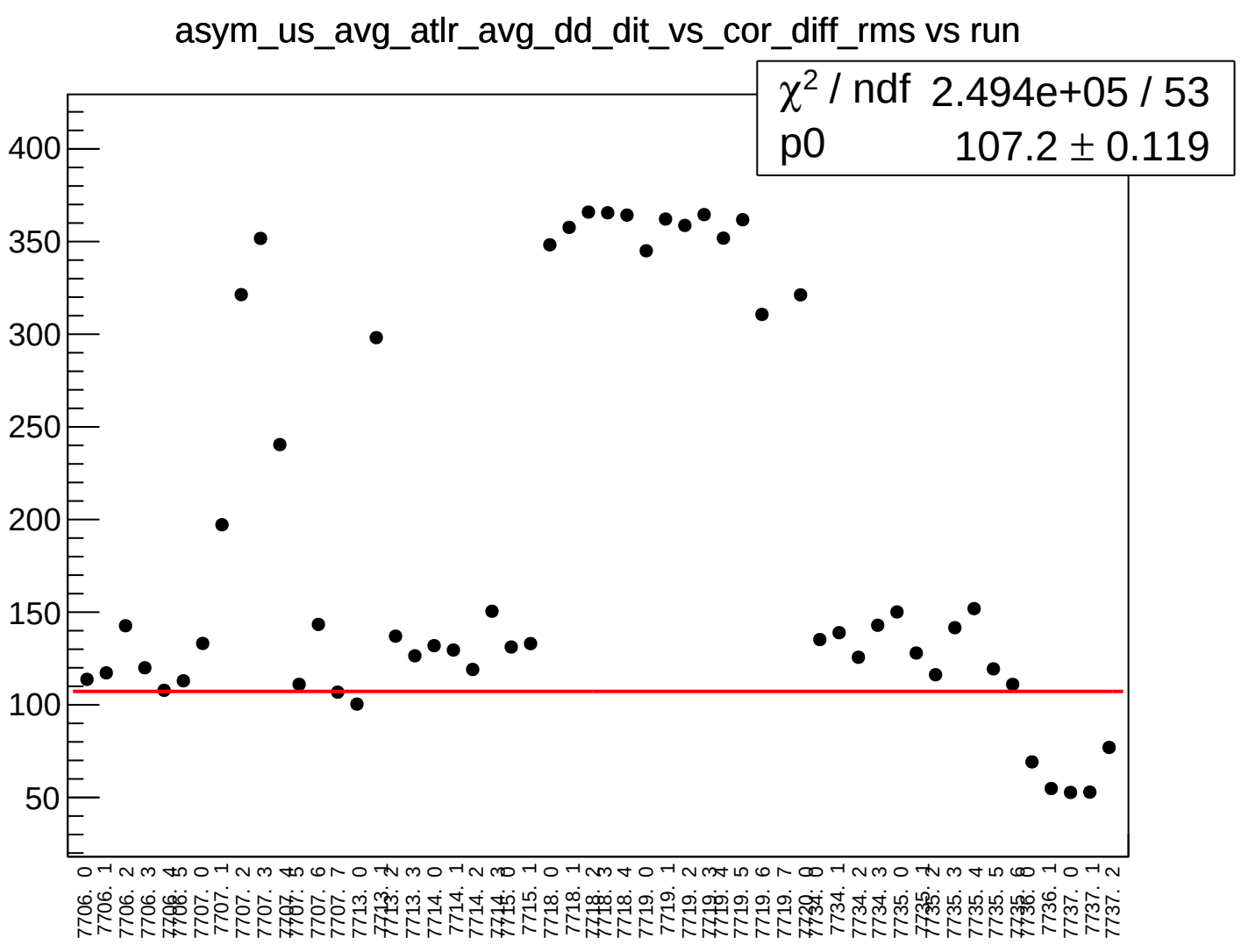

pull1D
Entries 54
Mean 0.01827
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

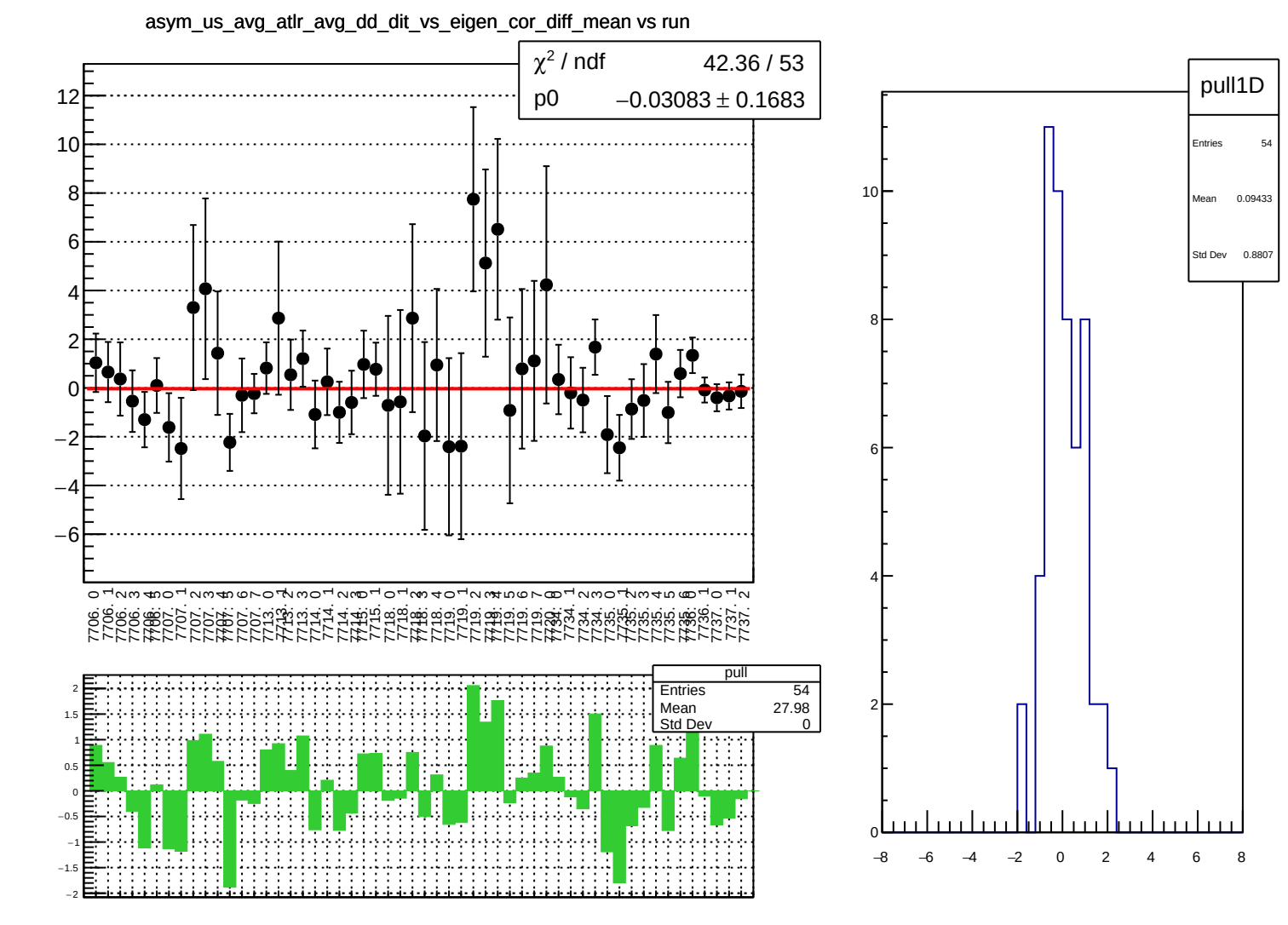

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1.191e+04 / 53
p0 3874 ± 3.781
6000
5500
5000
4500
4000
3500

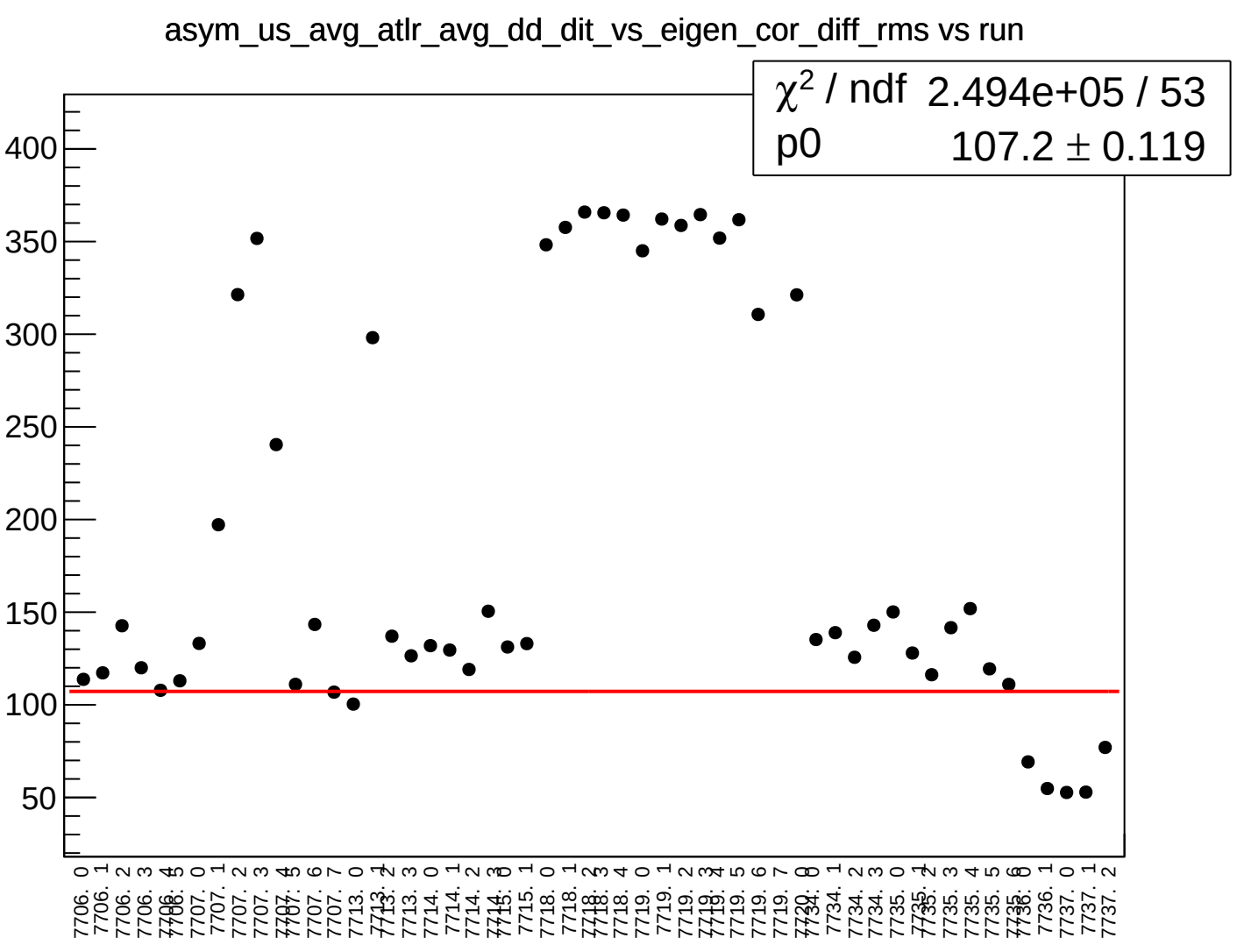

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.09 / 53
p0 2.714e−13 ± 3.805e−13
0.02
0.015
0.01
0.005
0
−0.005
pull
Entries 54
Mean 28.91
Std Dev 29.25
pull1D
Entries 54
Mean −0.07965
Std Dev 1.016

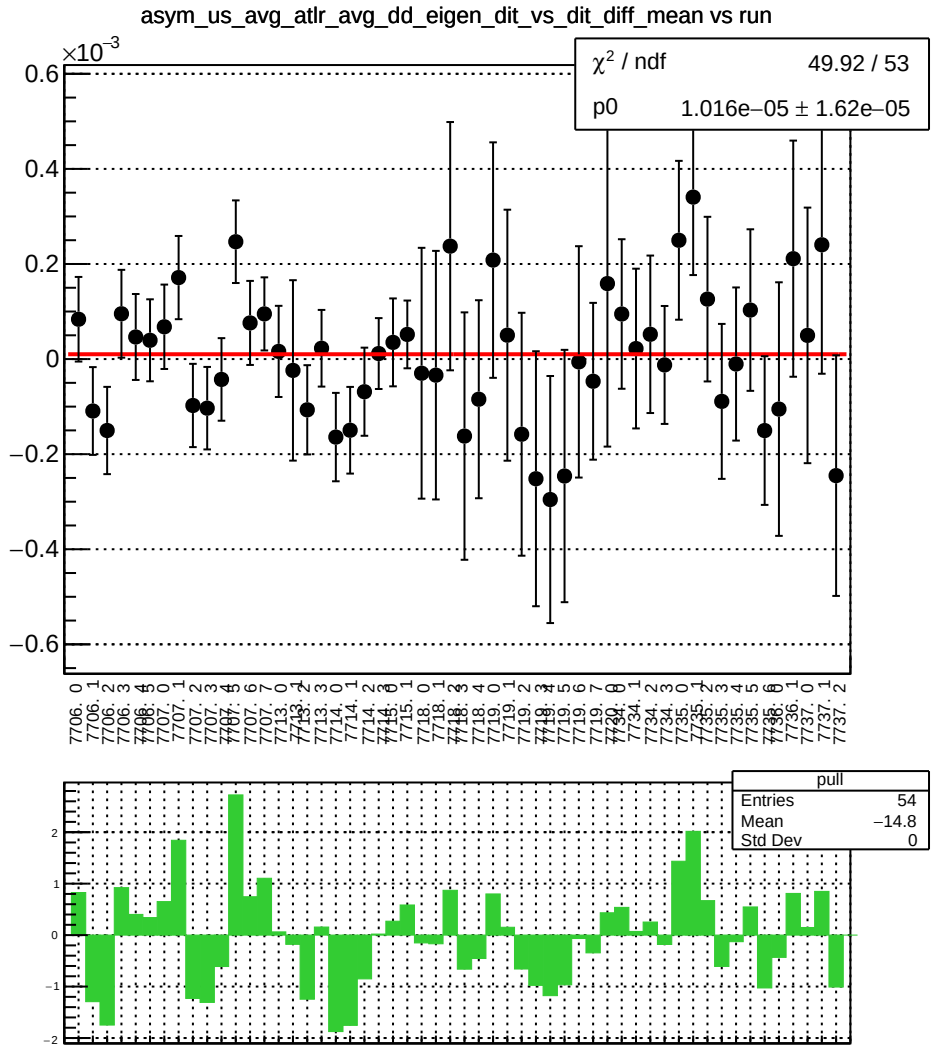

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.741e+05 / 53
p0 1.675e−10 ± 2.69e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

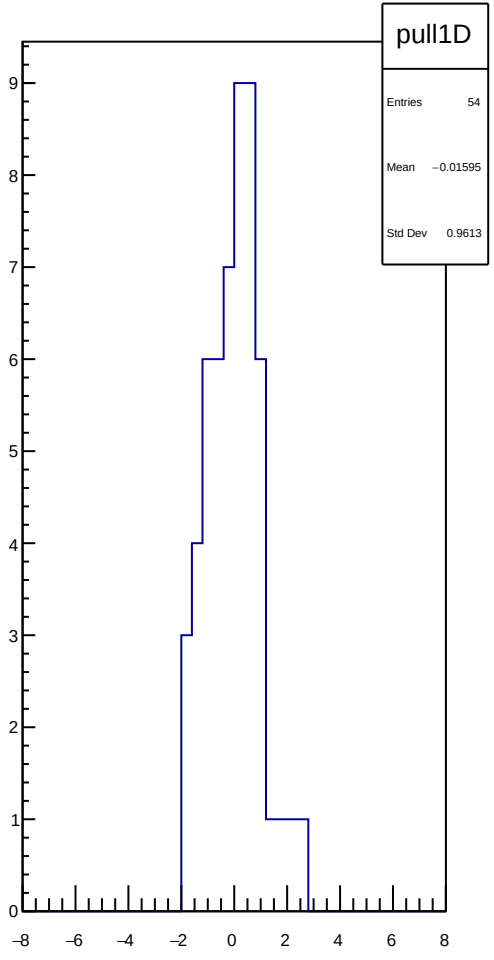

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.36 / 53
p0 −0.03083 ± 0.1683
pull
Entries 54
Mean 27.98
Std Dev 0
pull1D
Entries 54
Mean 0.09433
Std Dev 0.8807

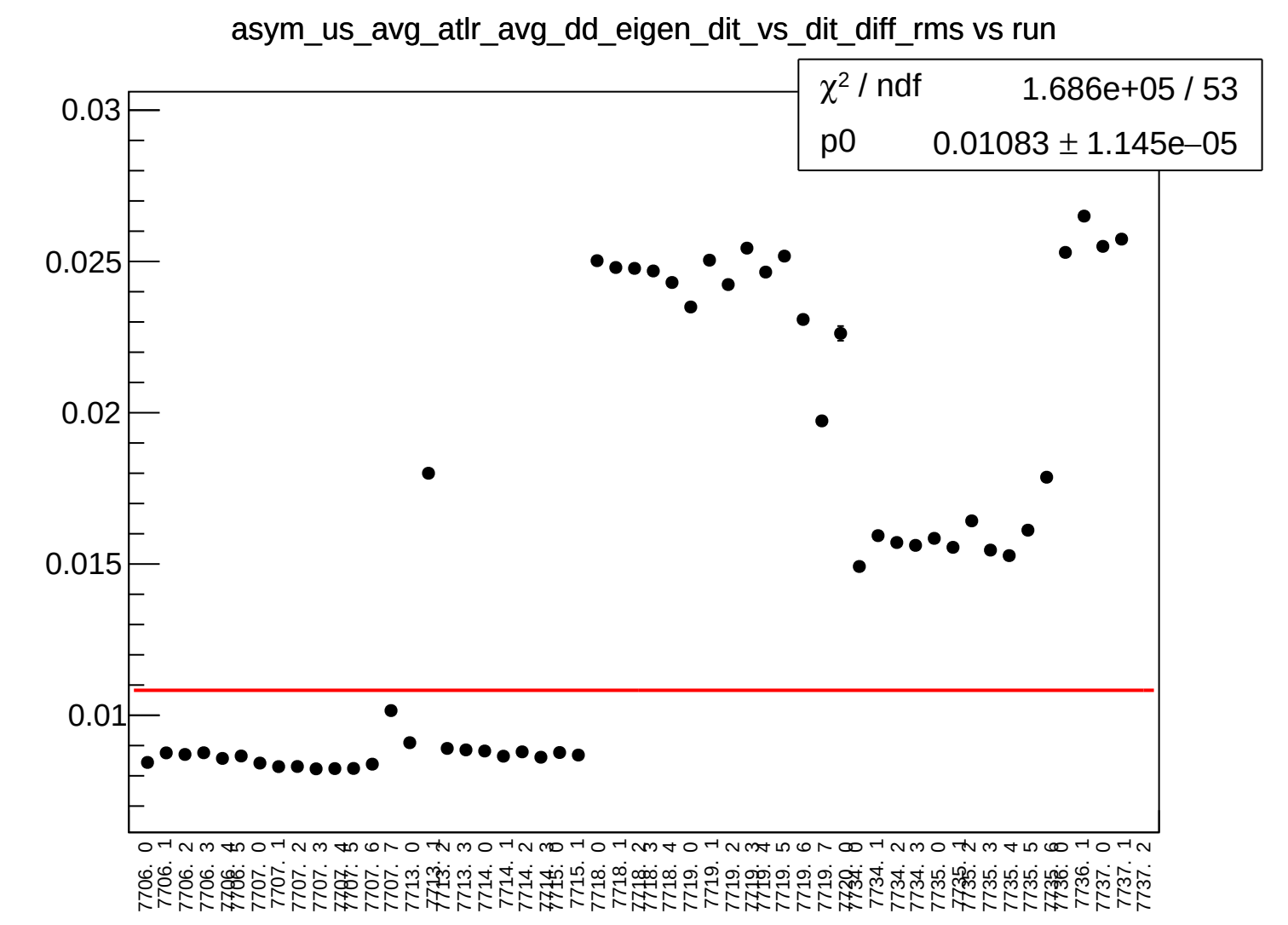

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.494e+05 / 53
p0 107.2 ± 0.119
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

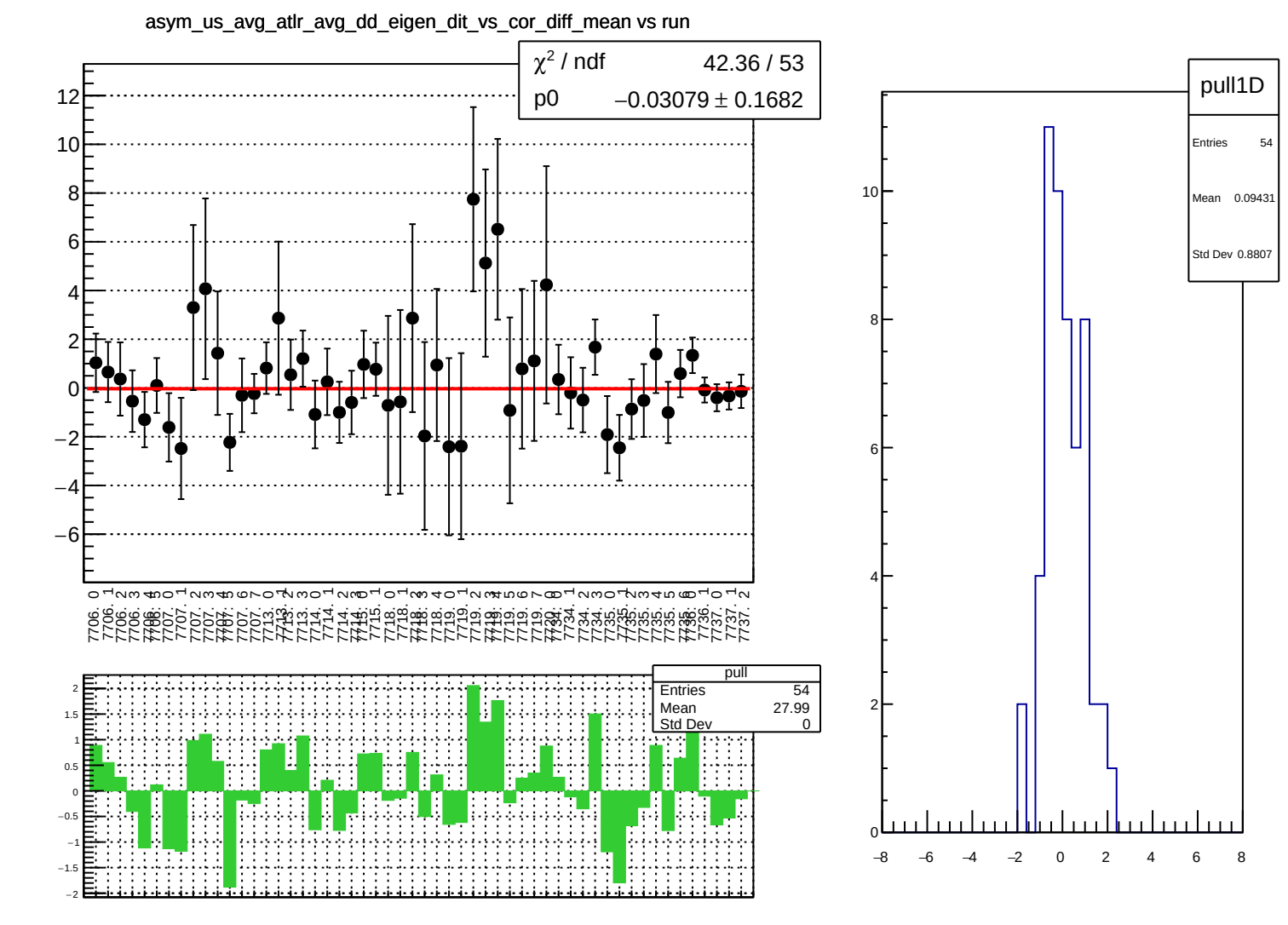

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.36 / 53
p0 −0.03083 ± 0.1683
pull
Entries 54
Mean 27.98
Std Dev 0
pull1D
Entries 54
Mean 0.09433
Std Dev 0.8807

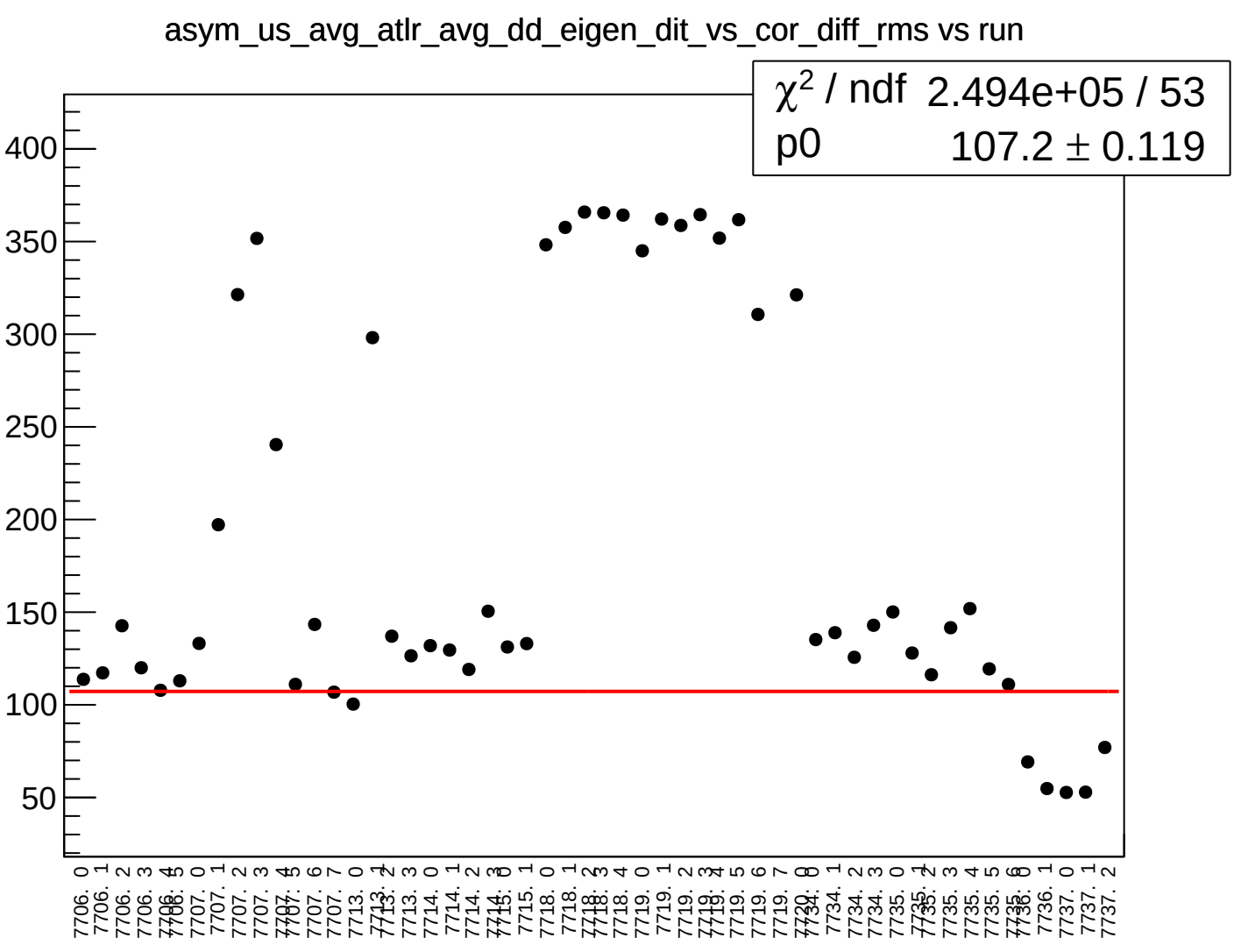

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.494e+05 / 53
p0 107.2 ± 0.119
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

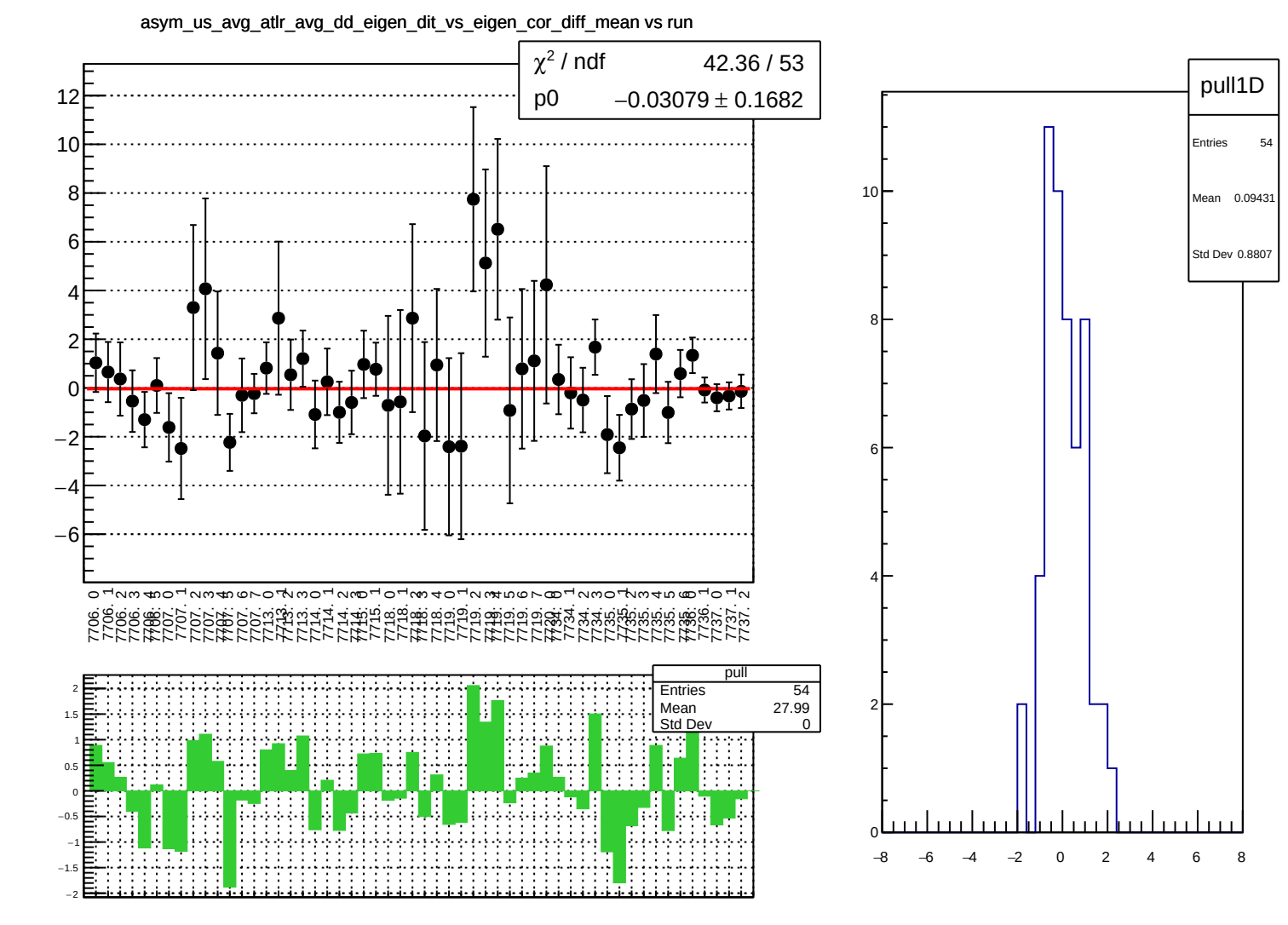

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.92 / 53
p0 1.016e−05 ± 1.62e−05
pull
Entries 54
Mean −14.8
Std Dev 0

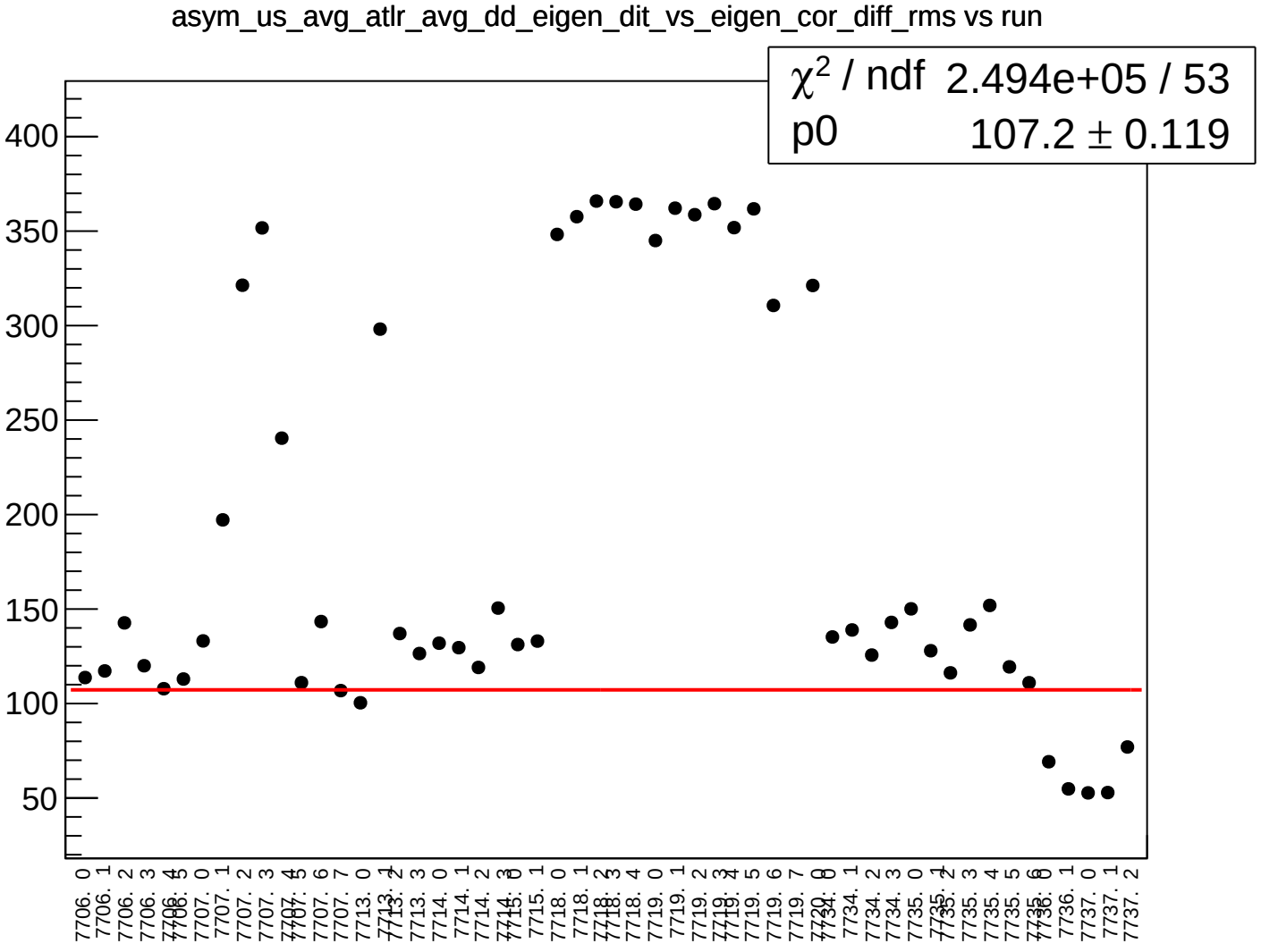

pull1D
Entries 54
Mean −0.01595
Std Dev 0.9613

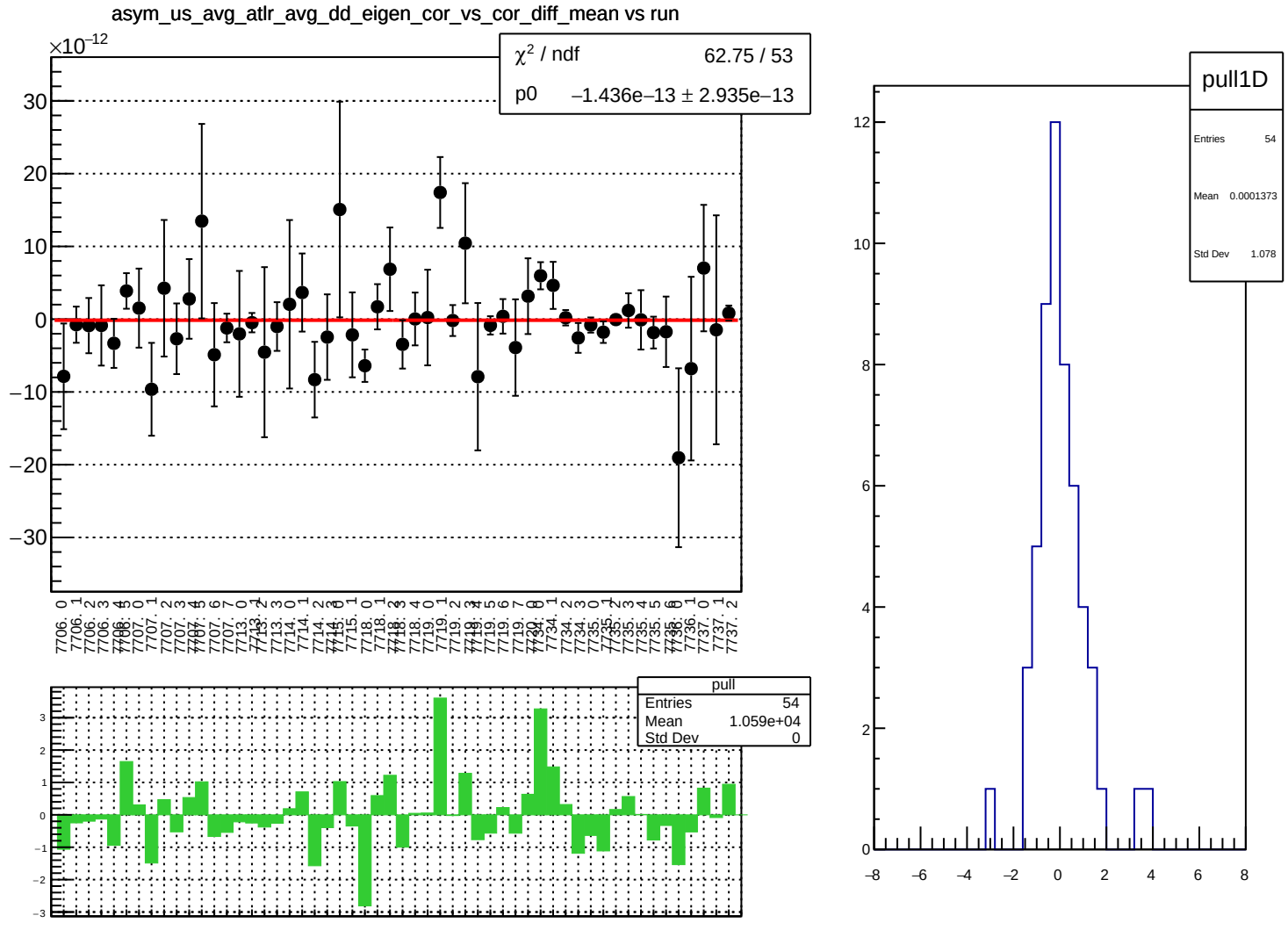

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.686e+05 / 53
p0 0.01083 ± 1.145e−05
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

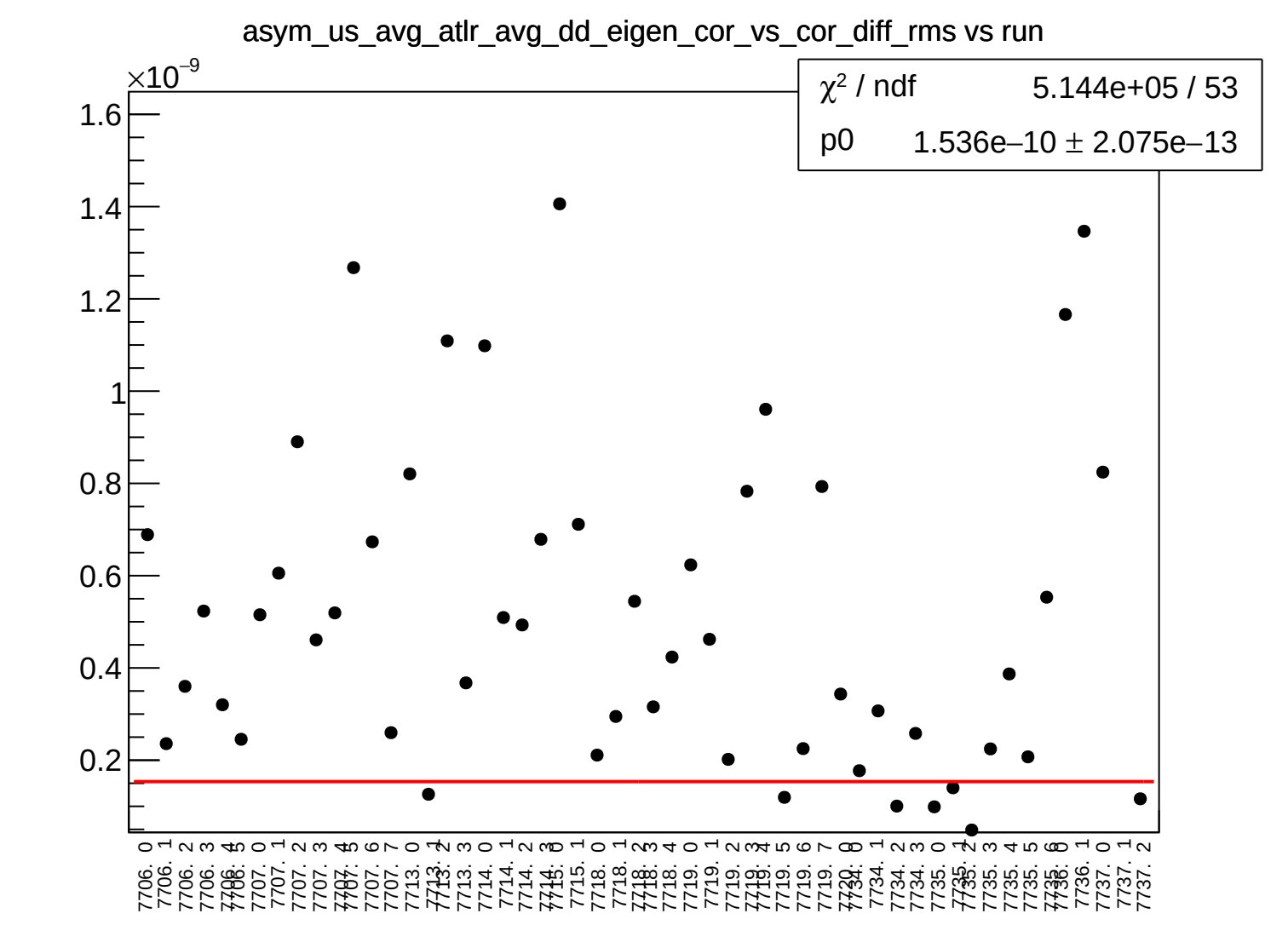

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.36 / 53
p0 −0.03079 ± 0.1682
pull
Entries 54
Mean 27.99
Std Dev 0
pull1D
Entries 54
Mean 0.09431
Std Dev 0.8807

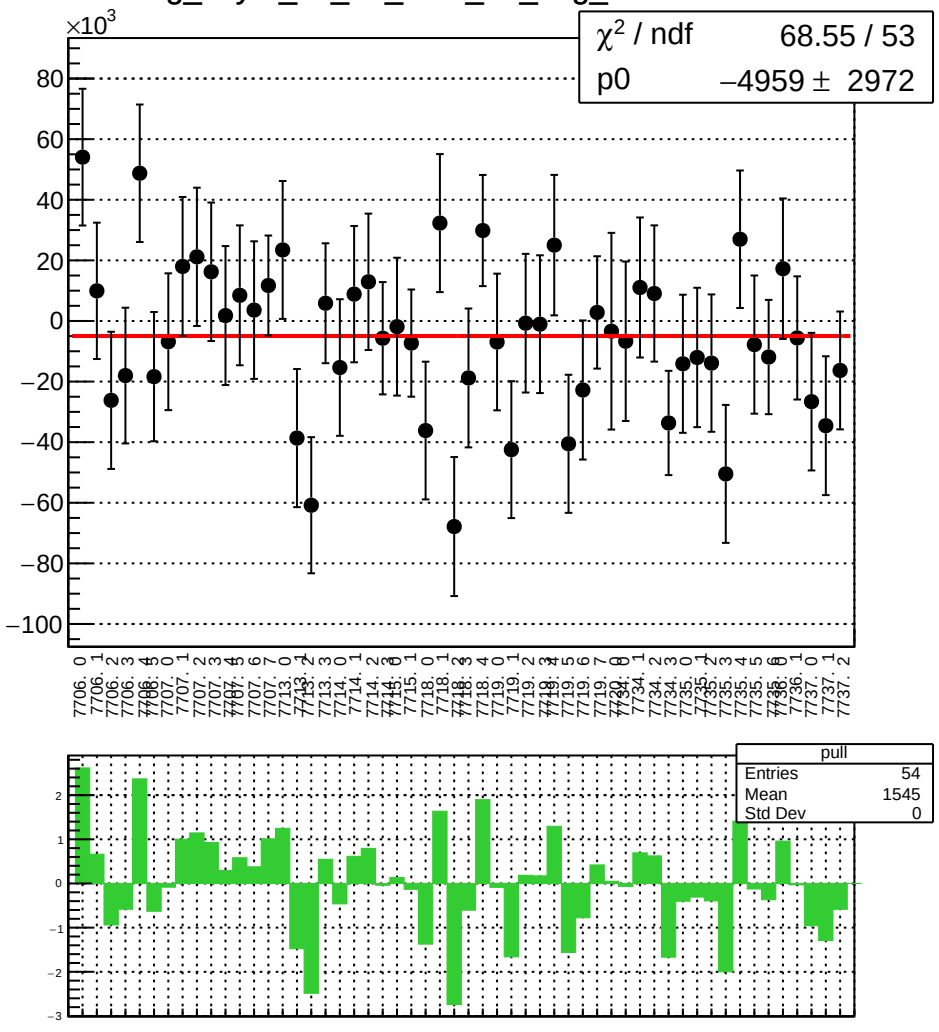

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.494e+05 / 53
p0 107.2 ± 0.119
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

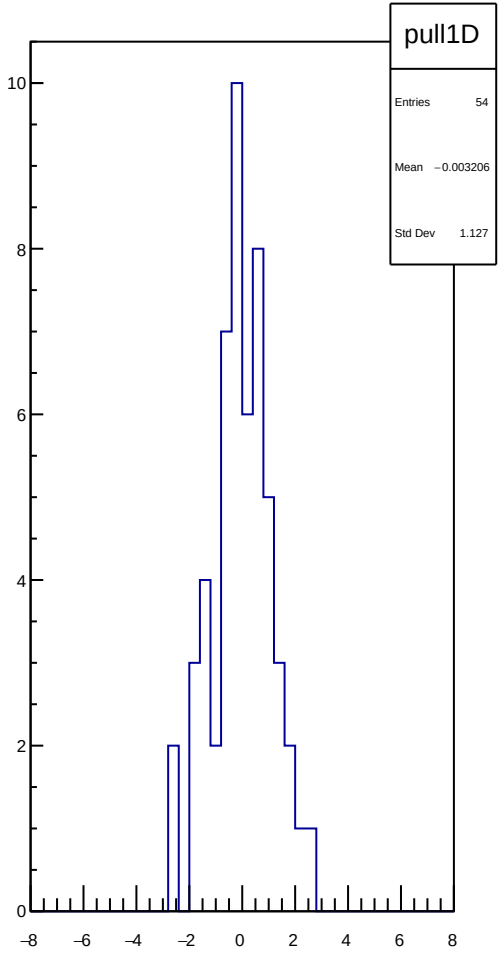

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.36 / 53
p0 −0.03079 ± 0.1682
pull
Entries 54
Mean 27.99
Std Dev 0
pull1D
Entries 54
Mean 0.09431
Std Dev 0.8807

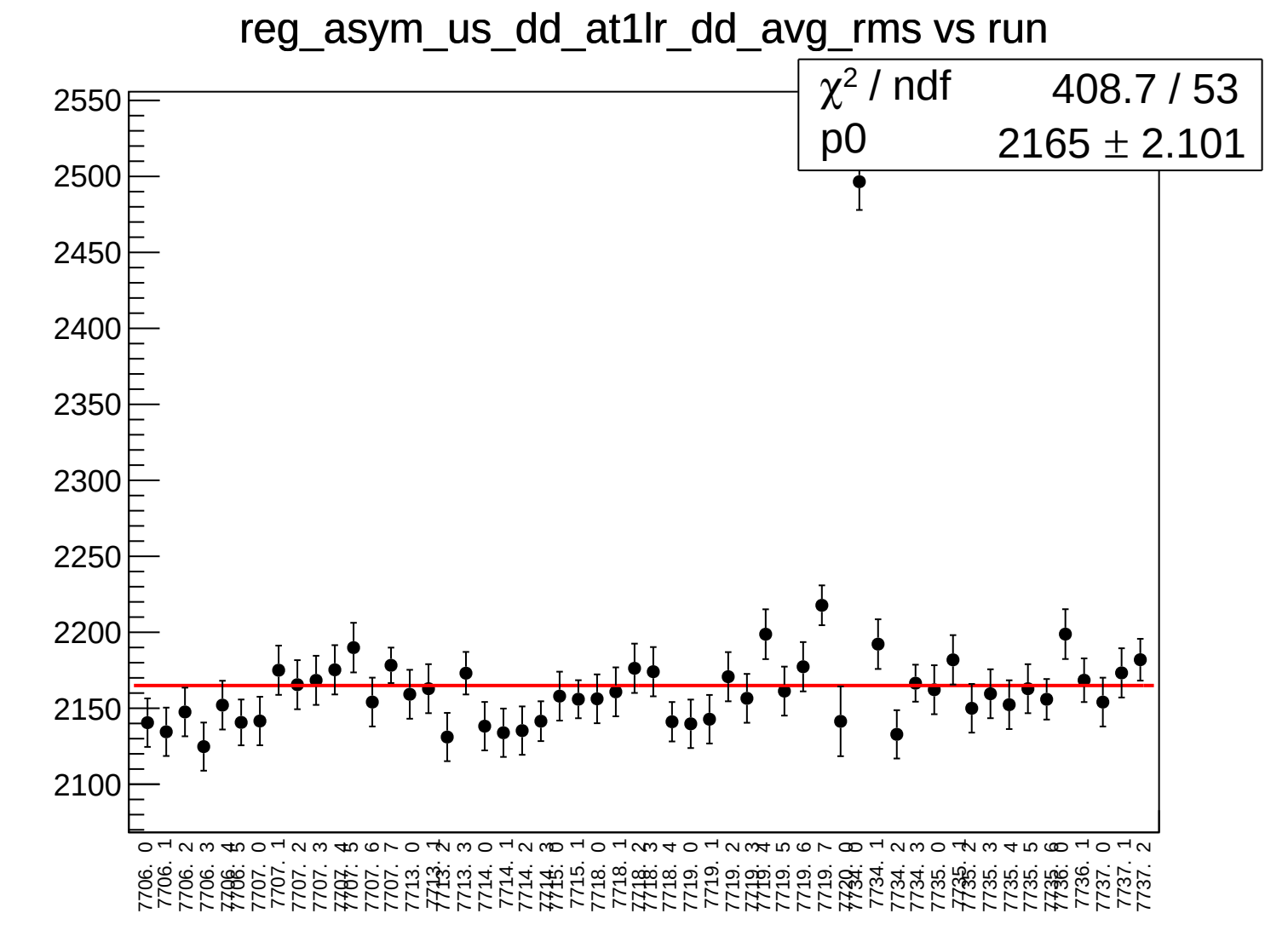

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.494e+05 / 53
p0 107.2 ± 0.119
400
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

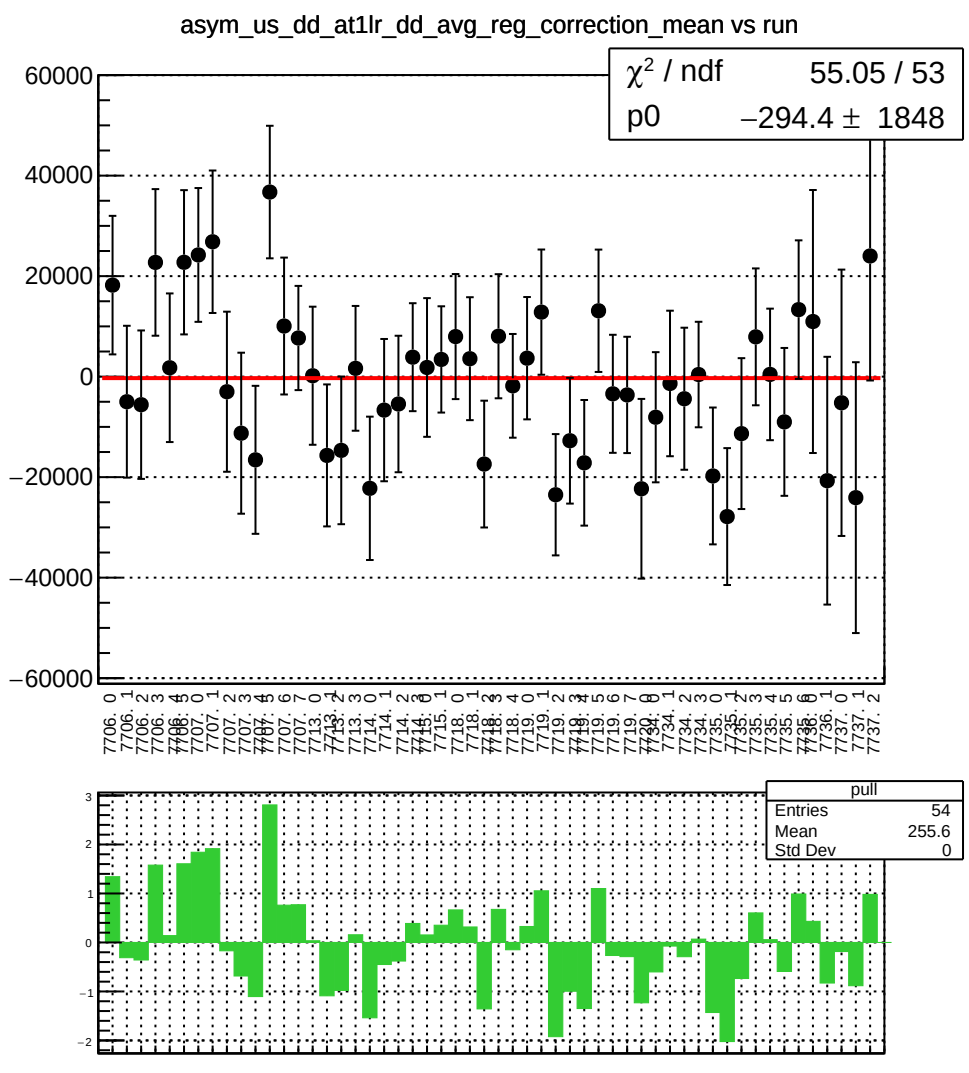

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.75 / 53
p0 −1.436e−13 ± 2.935e−13
pull
Entries 54
Mean 1.059e+04
Std Dev 0
pull1D
Entries 54
Mean 0.0001373
Std Dev 1.078

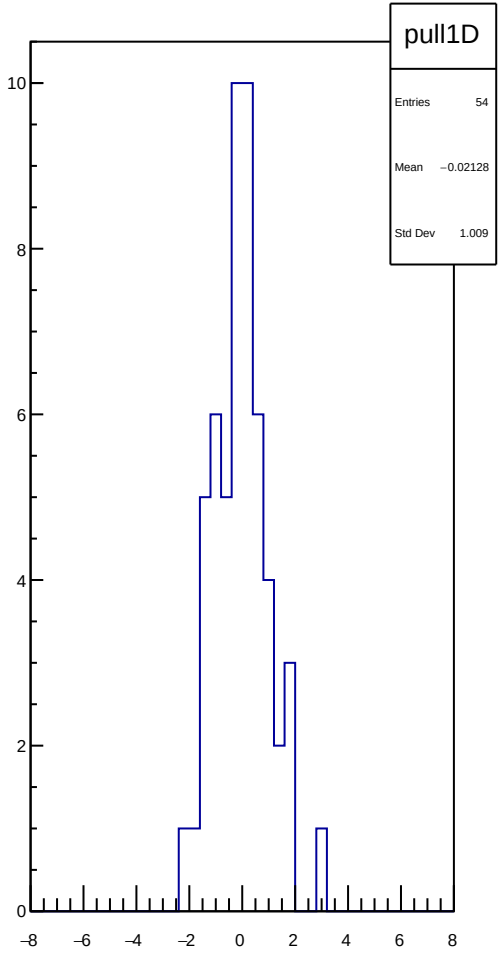

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.144e+05 / 53
p0 1.536e−10 ± 2.075e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

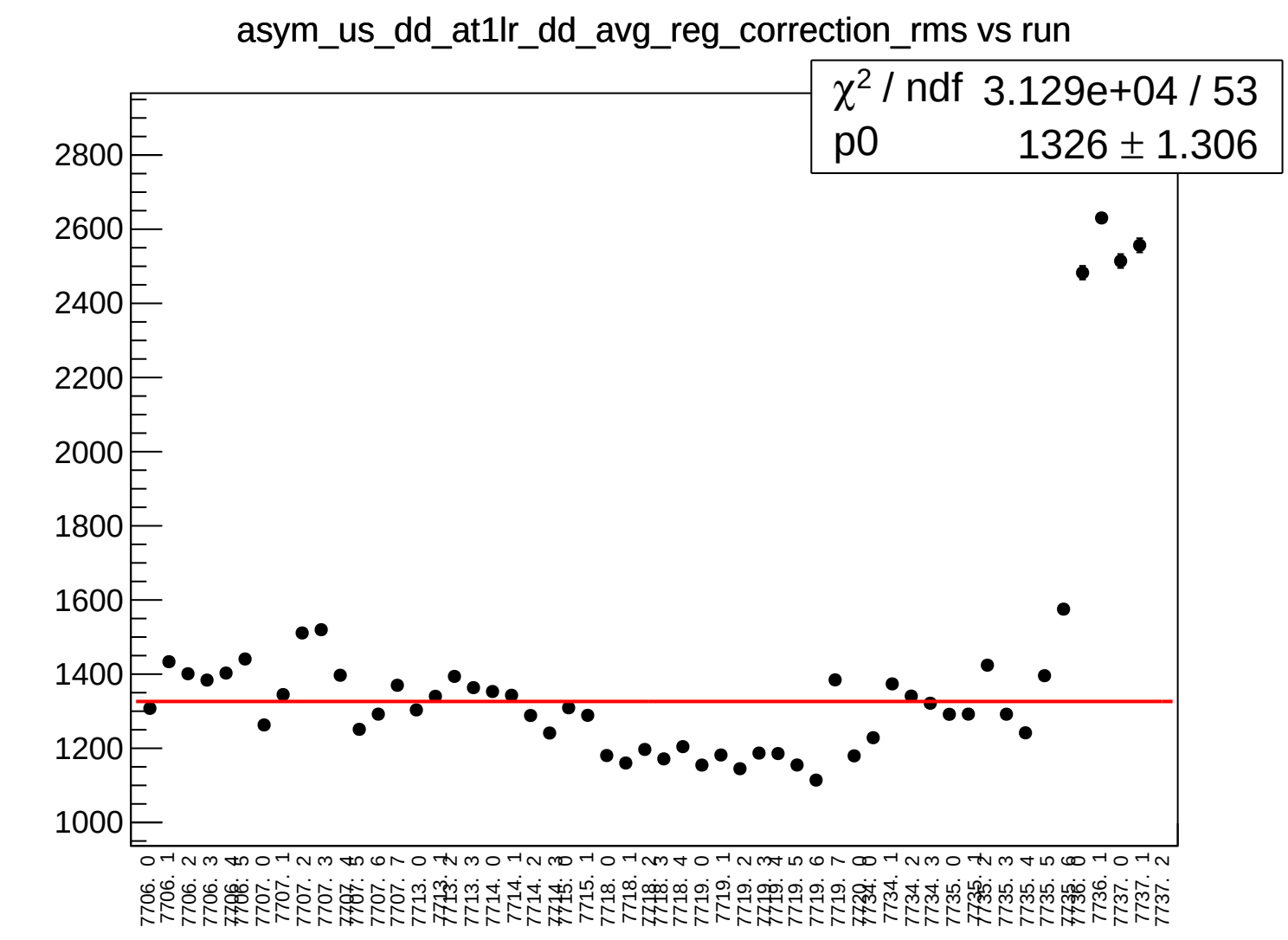

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 68.55 / 53
p0 −4959 ± 2972
pull
Entries 54
Mean 1545
Std Dev 0

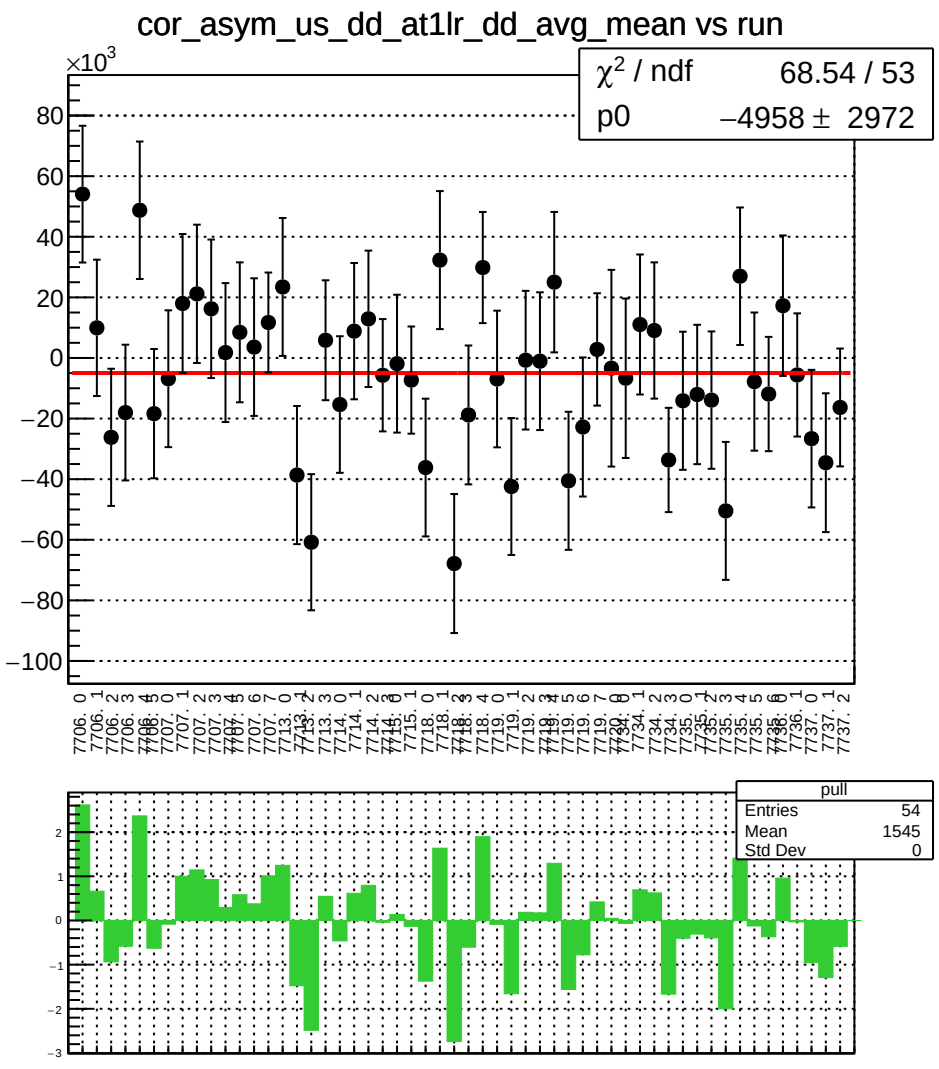

pull1D
Entries 54
Mean −0.003206
Std Dev 1.127

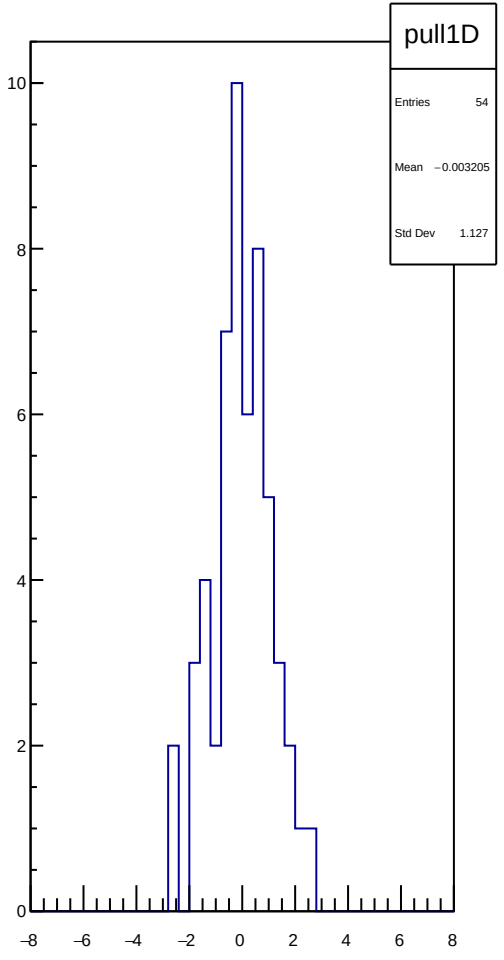

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 408.7 / 53
p0 2165 ± 2.101
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

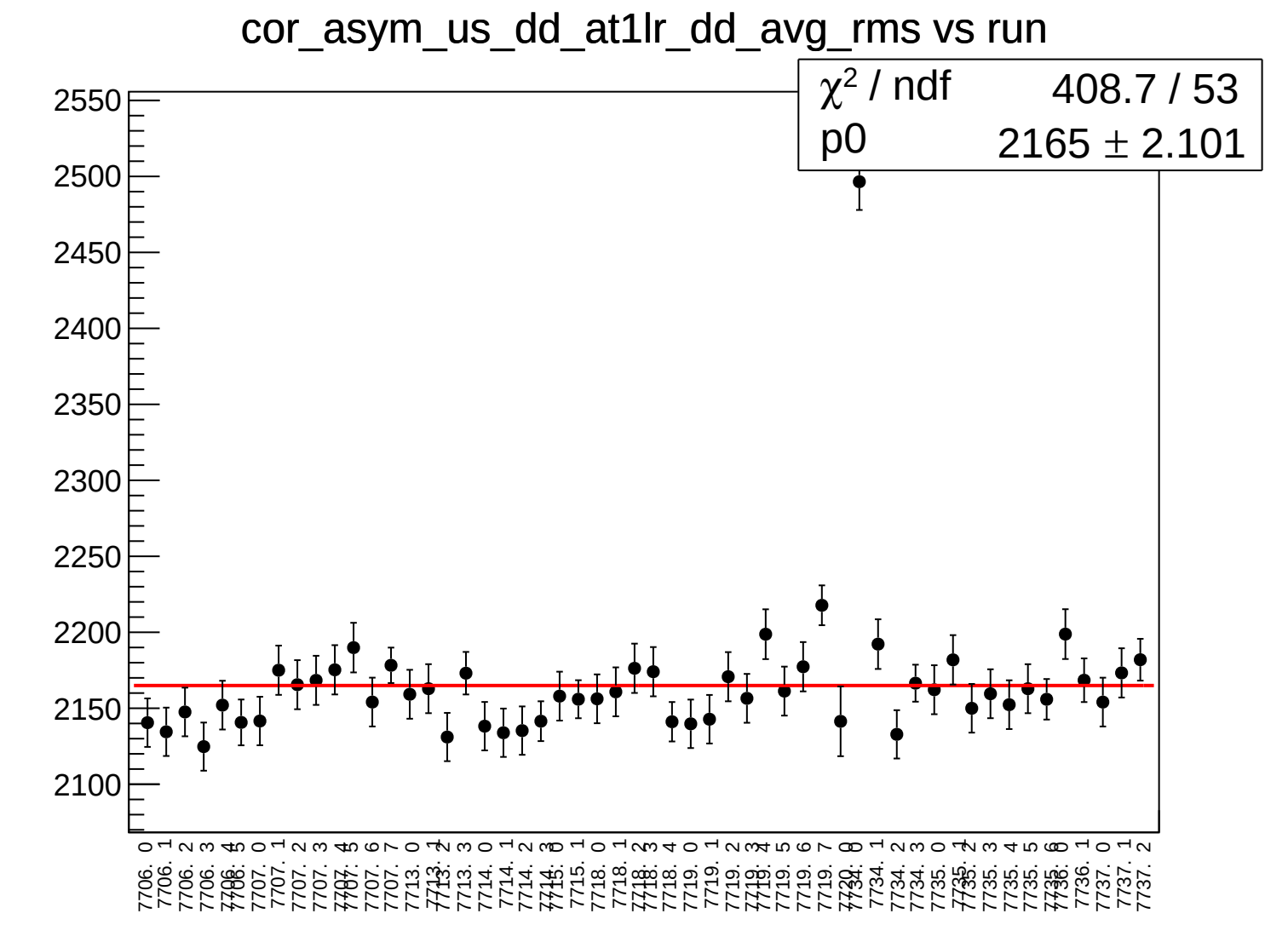

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 55.05 / 53
p0 −294.4 ± 1848
pull
Entries 54
Mean 255.6
Std Dev 0

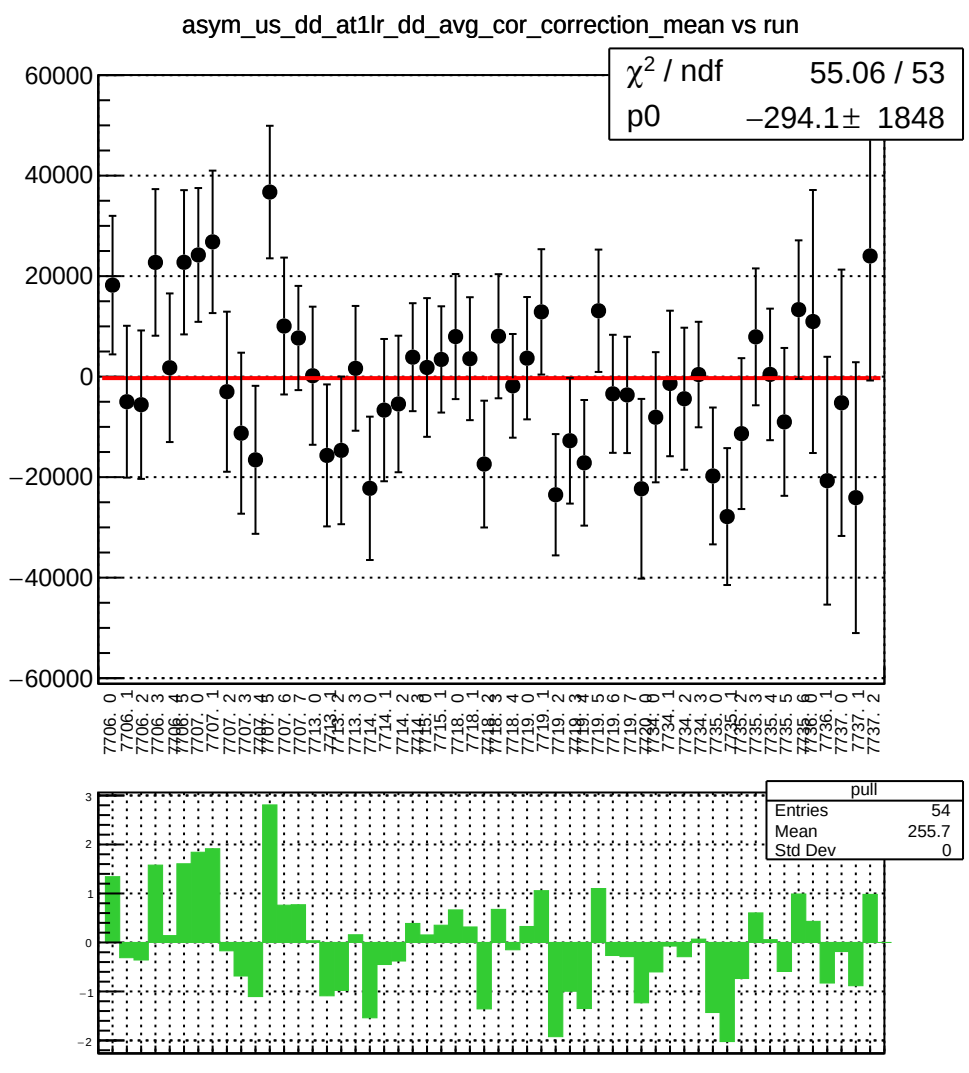

pull1D
Entries 54
Mean −0.02128
Std Dev 1.009

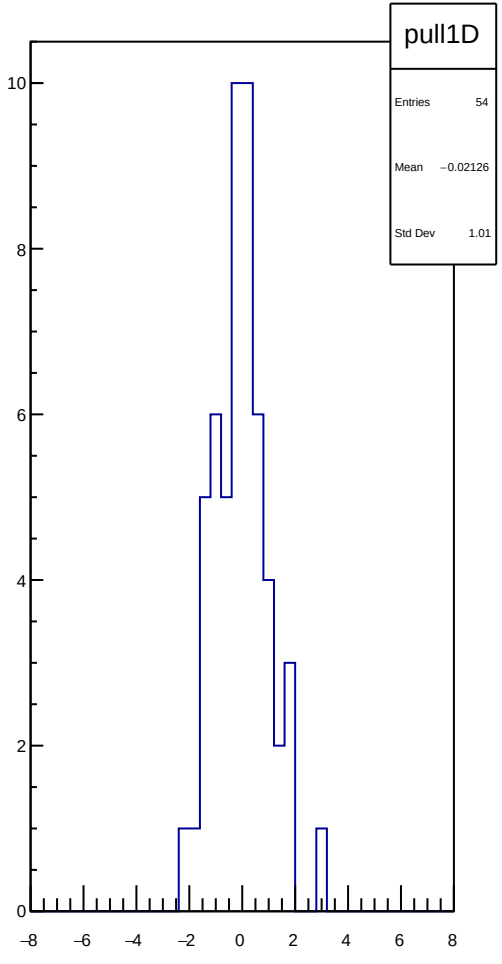

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.129e+04 / 53
p0 1326 ± 1.306
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000

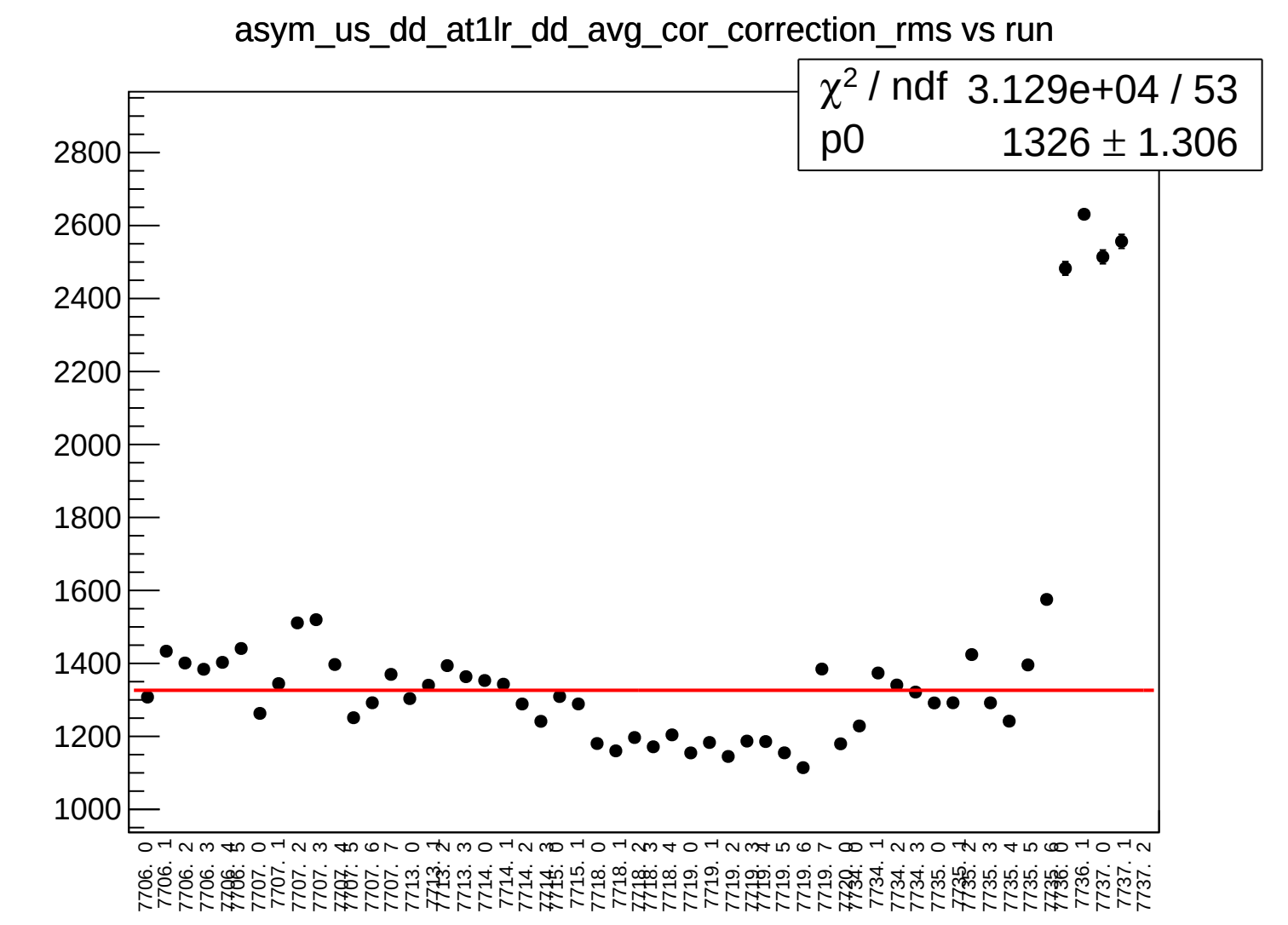

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 68.54 / 53
p0 −4958 ± 2972
×10³
pull
Entries 54
Mean 1545
Std Dev 0

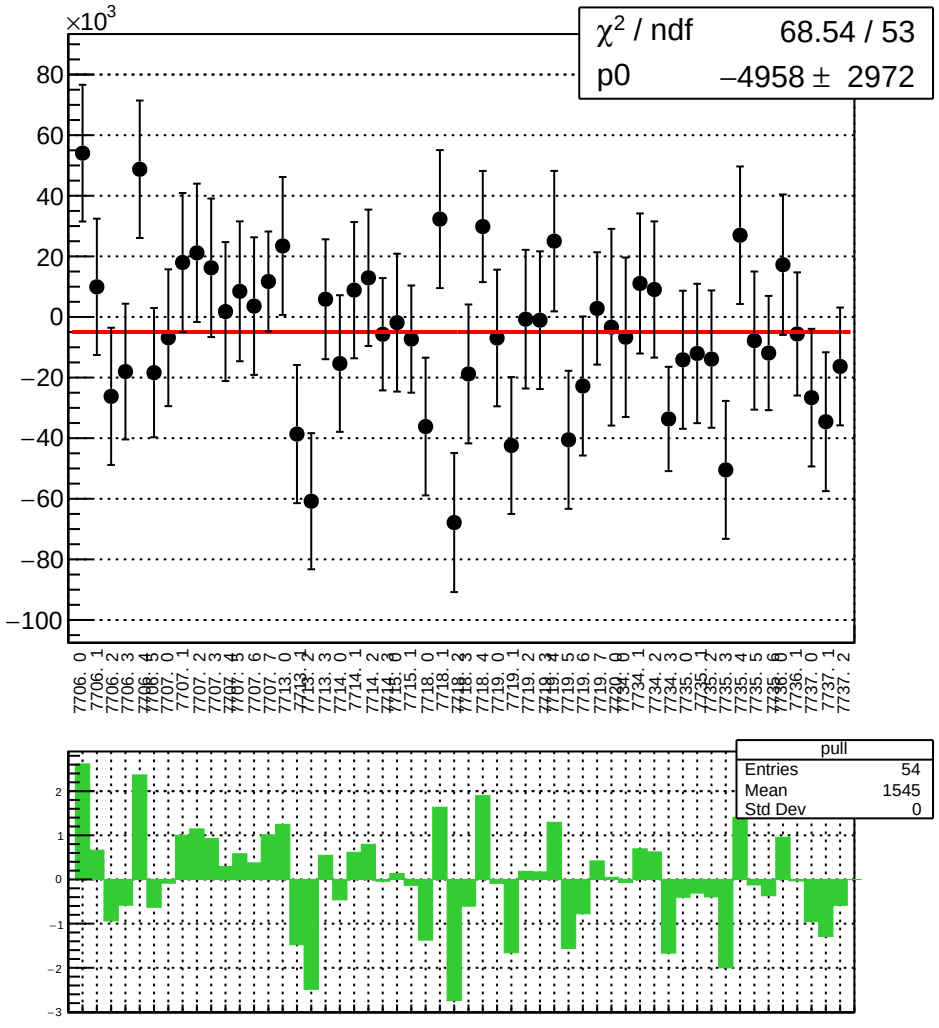

pull1D
Entries 54
Mean −0.003205
Std Dev 1.127

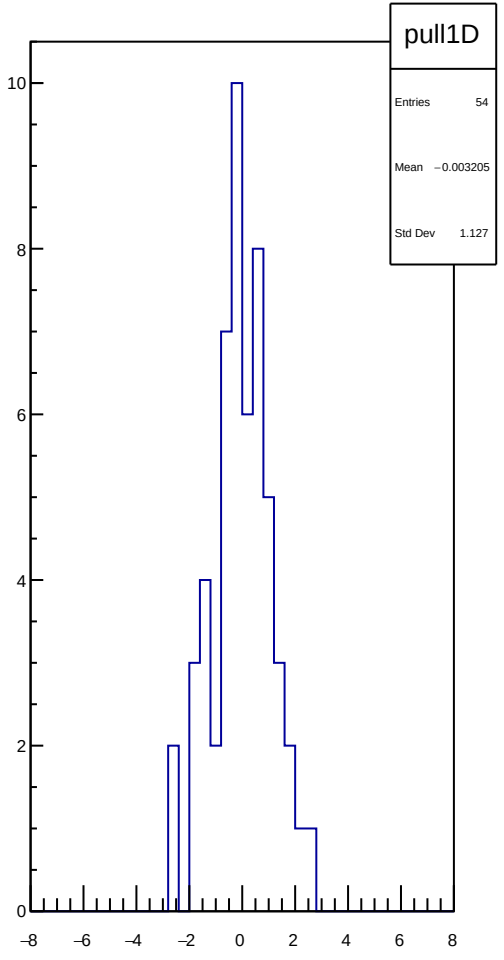

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 408.7 / 53
p0 2165 ± 2.101
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

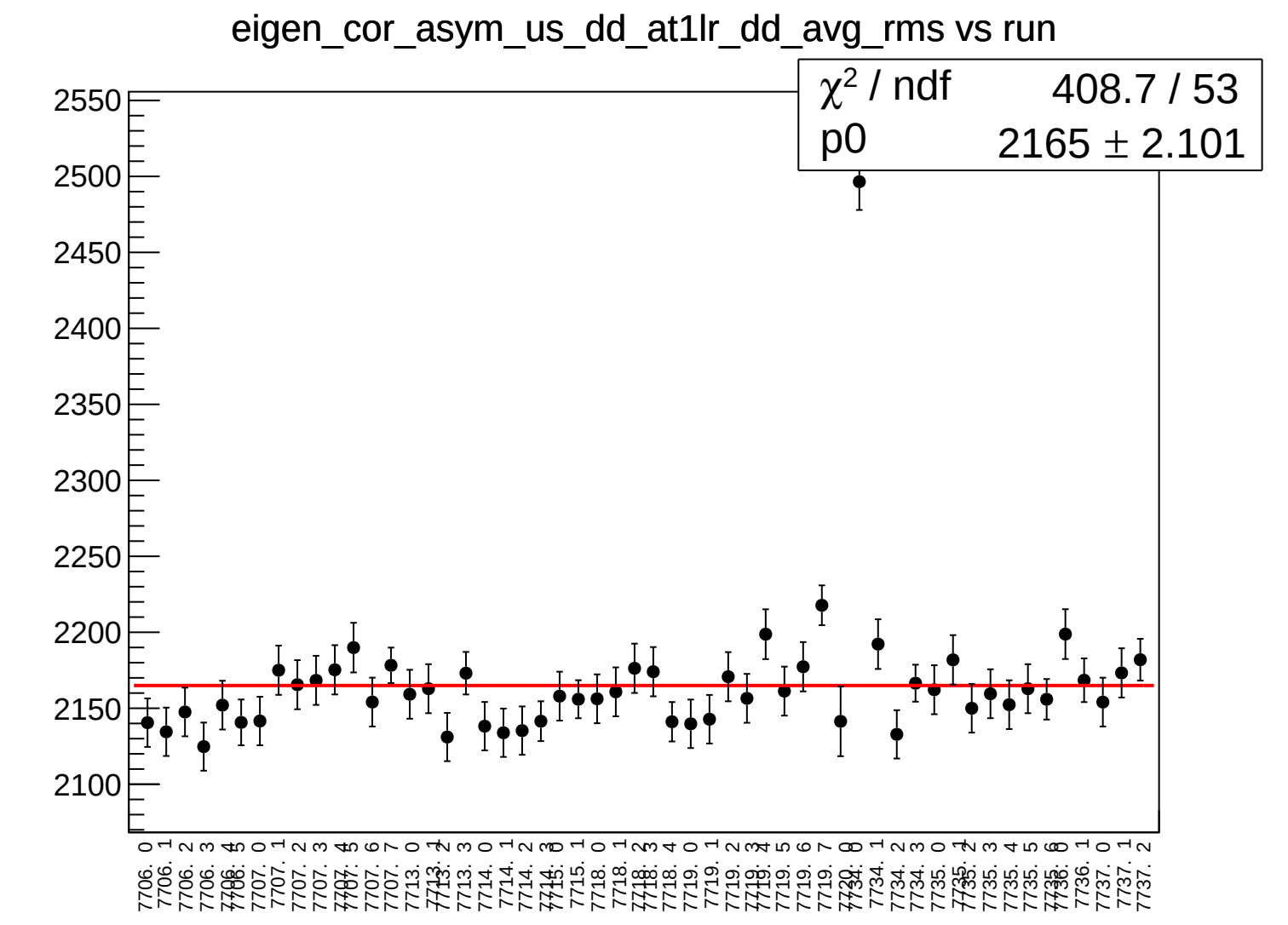

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 55.06 / 53
p0 −294.1± 1848
pull
Entries 54
Mean 255.7
Std Dev 0

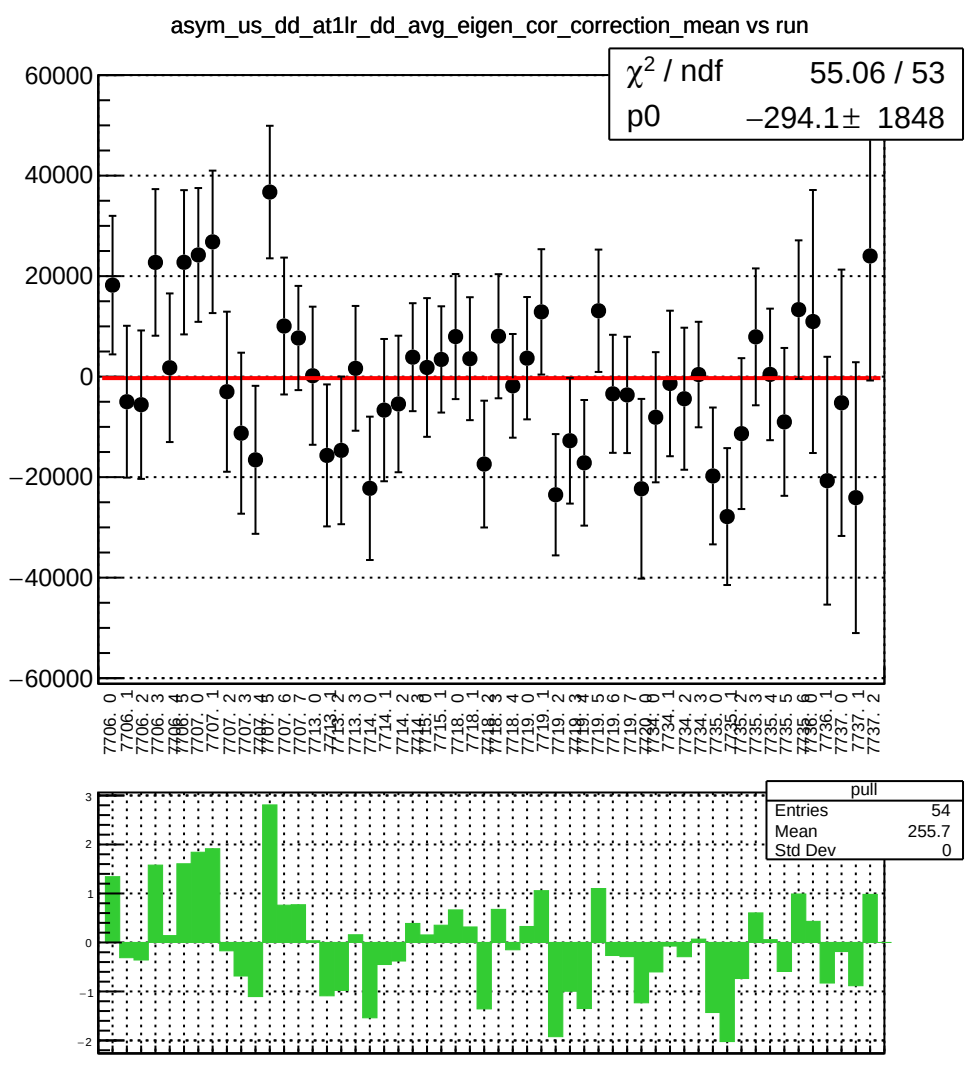

pull1D
Entries 54
Mean −0.02126
Std Dev 1.01

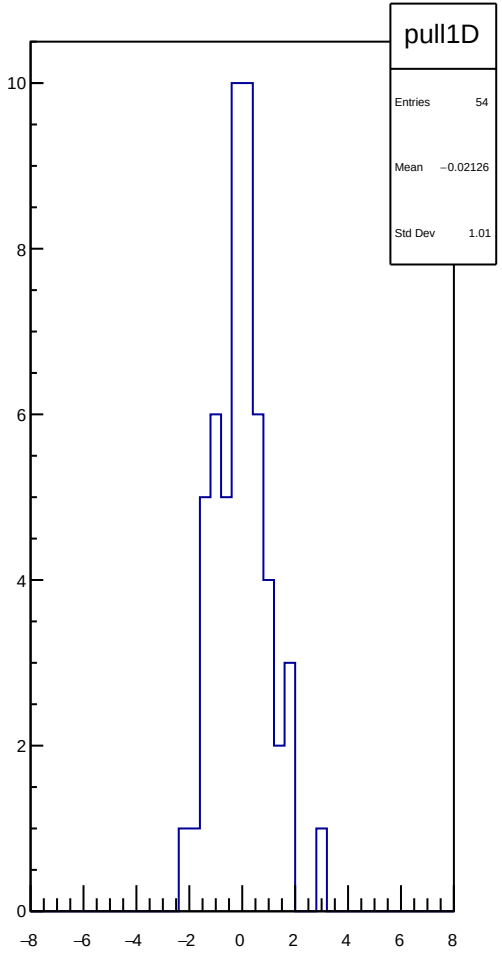

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.129e+04 / 53
p0 1326 ± 1.306
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000

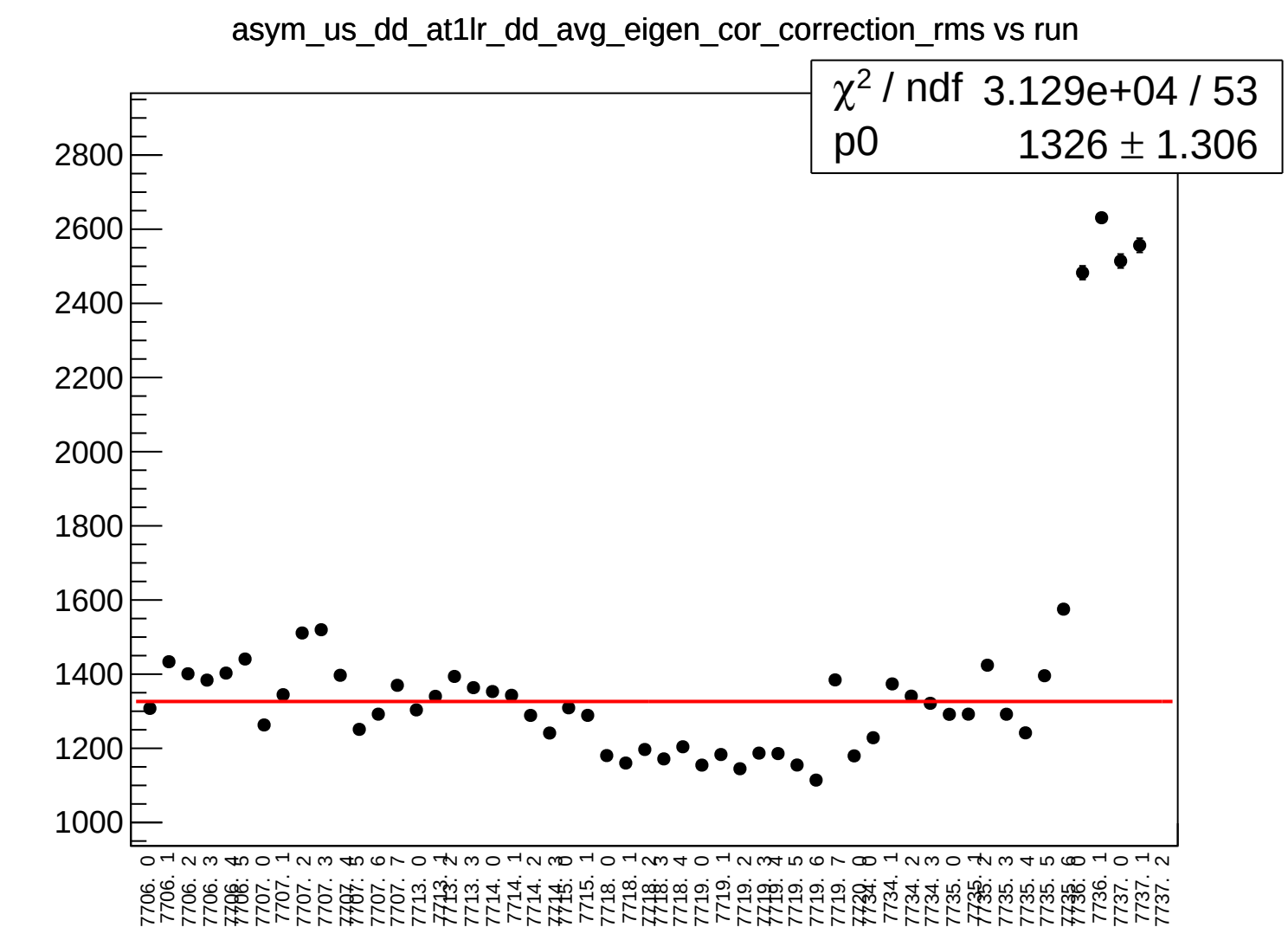

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 68.54 / 53
p0 −4958 ± 2972
pull
Entries 54
Mean 1545
Std Dev 0

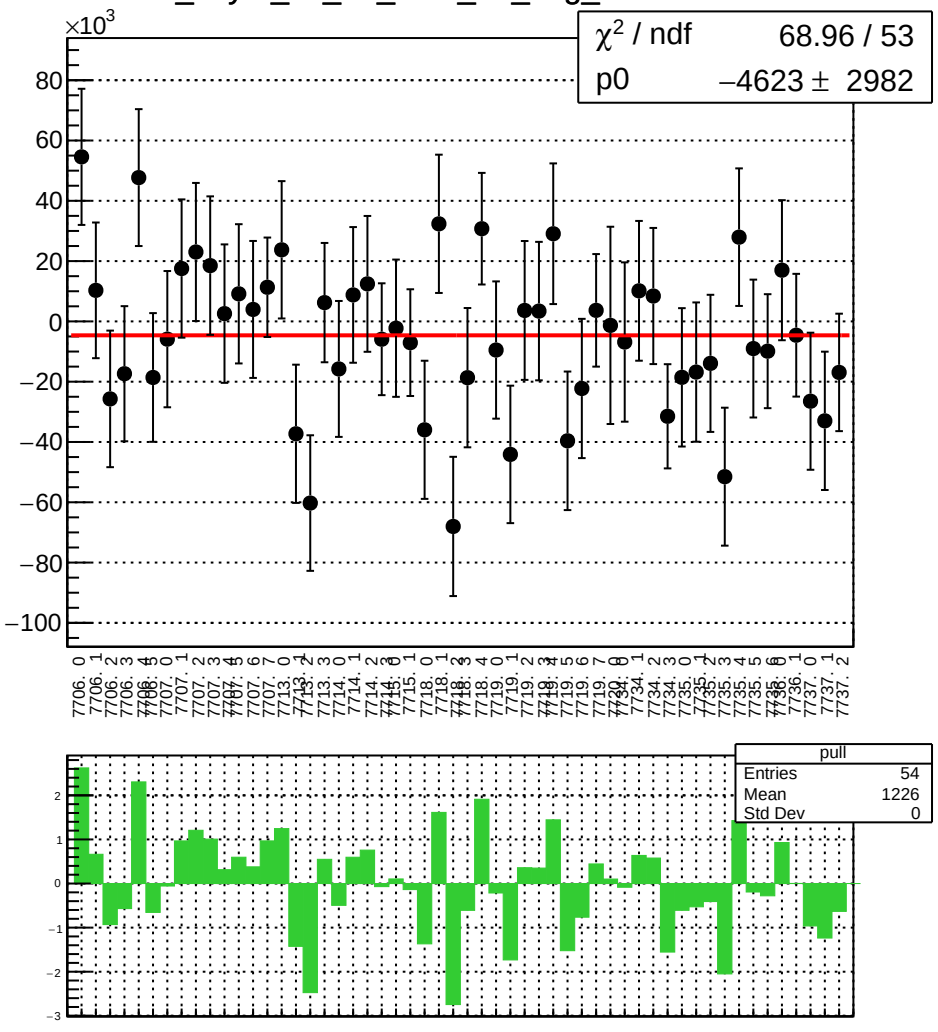

pull1D
Entries 54
Mean −0.003205
Std Dev 1.127

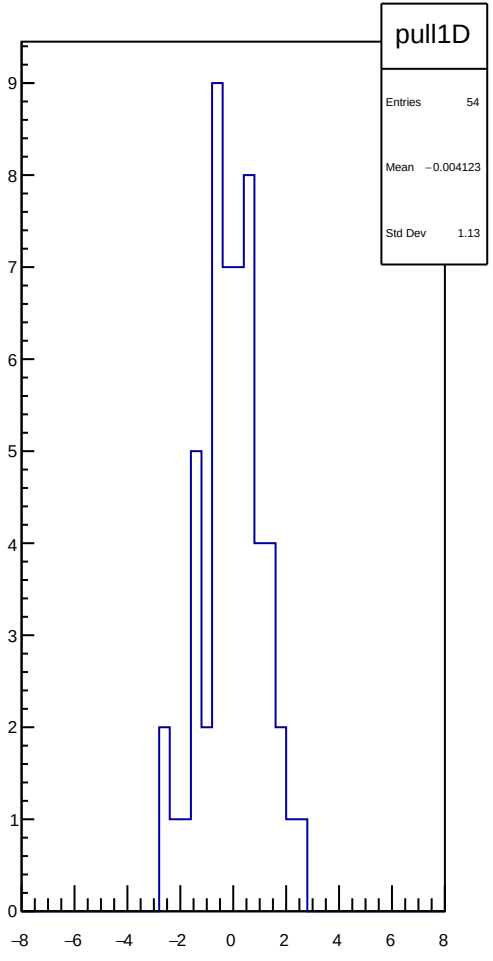

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 408.7 / 53
p0 2165 ± 2.101
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

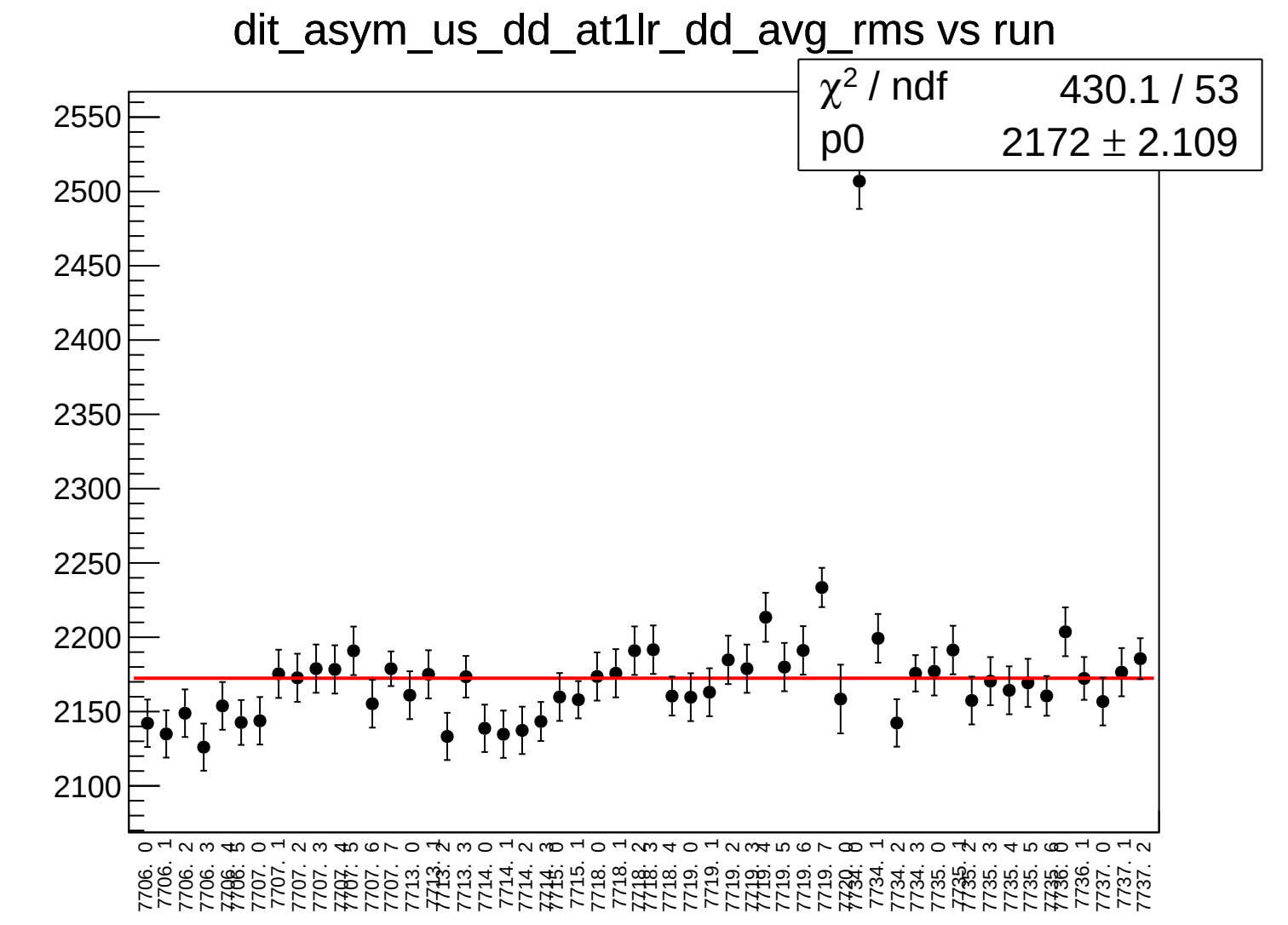

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.06 / 53
p0 −294.1± 1848
pull
Entries 54
Mean 255.7
Std Dev 0

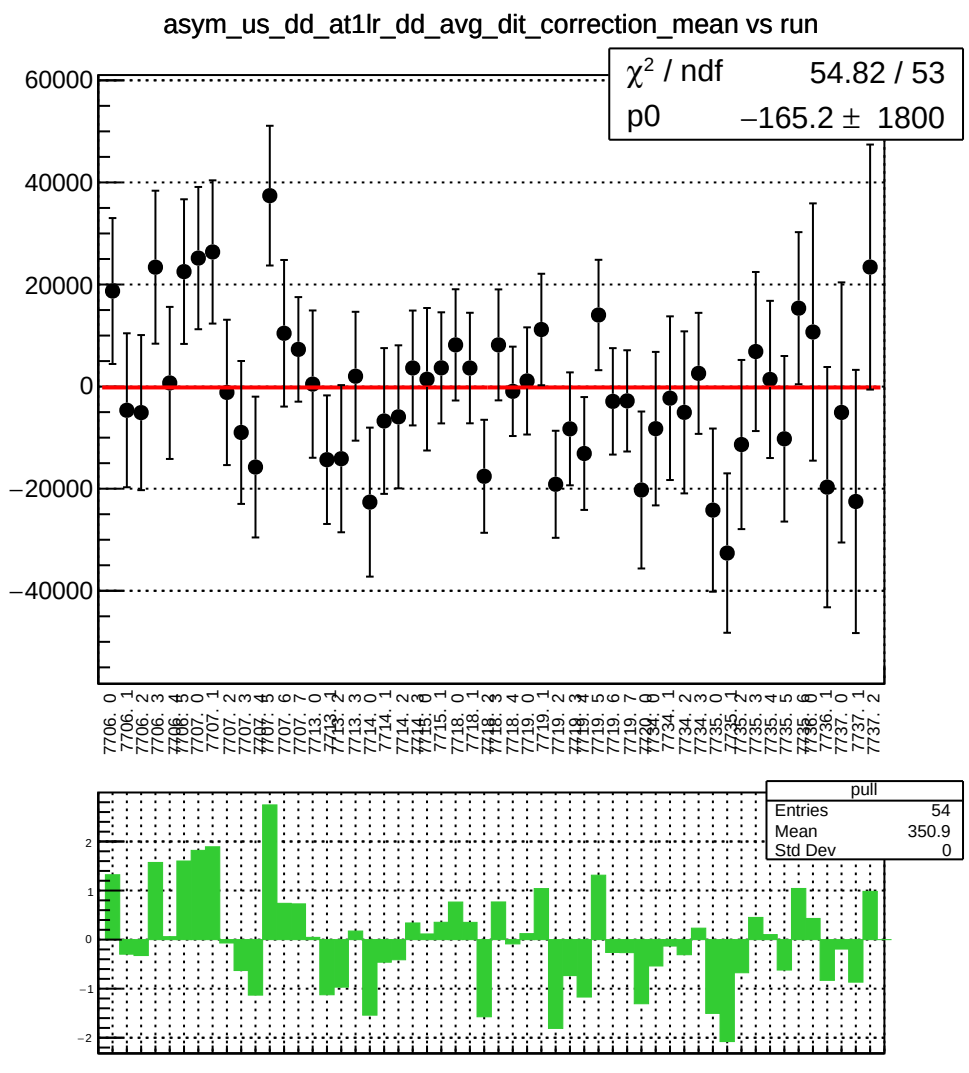

pull1D
Entries 54
Mean −0.02126
Std Dev 1.01

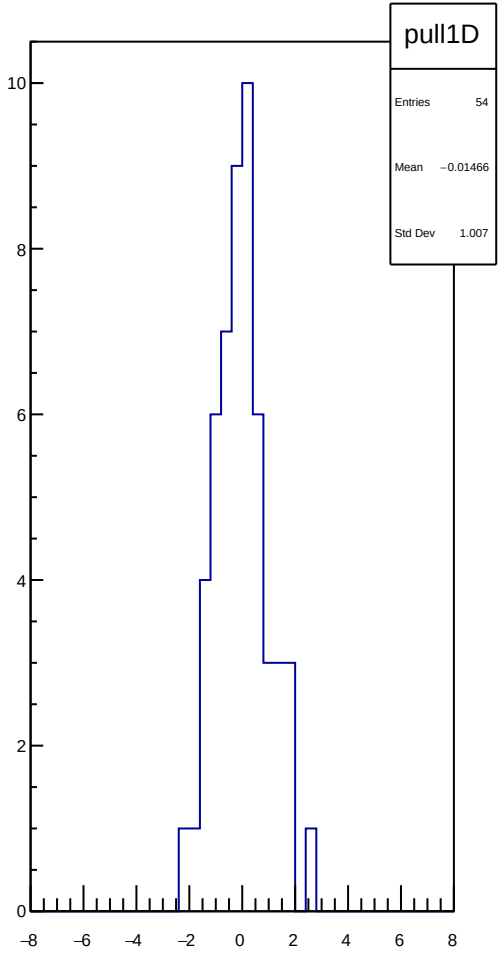

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.129e+04 / 53
p0 1326 ± 1.306
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

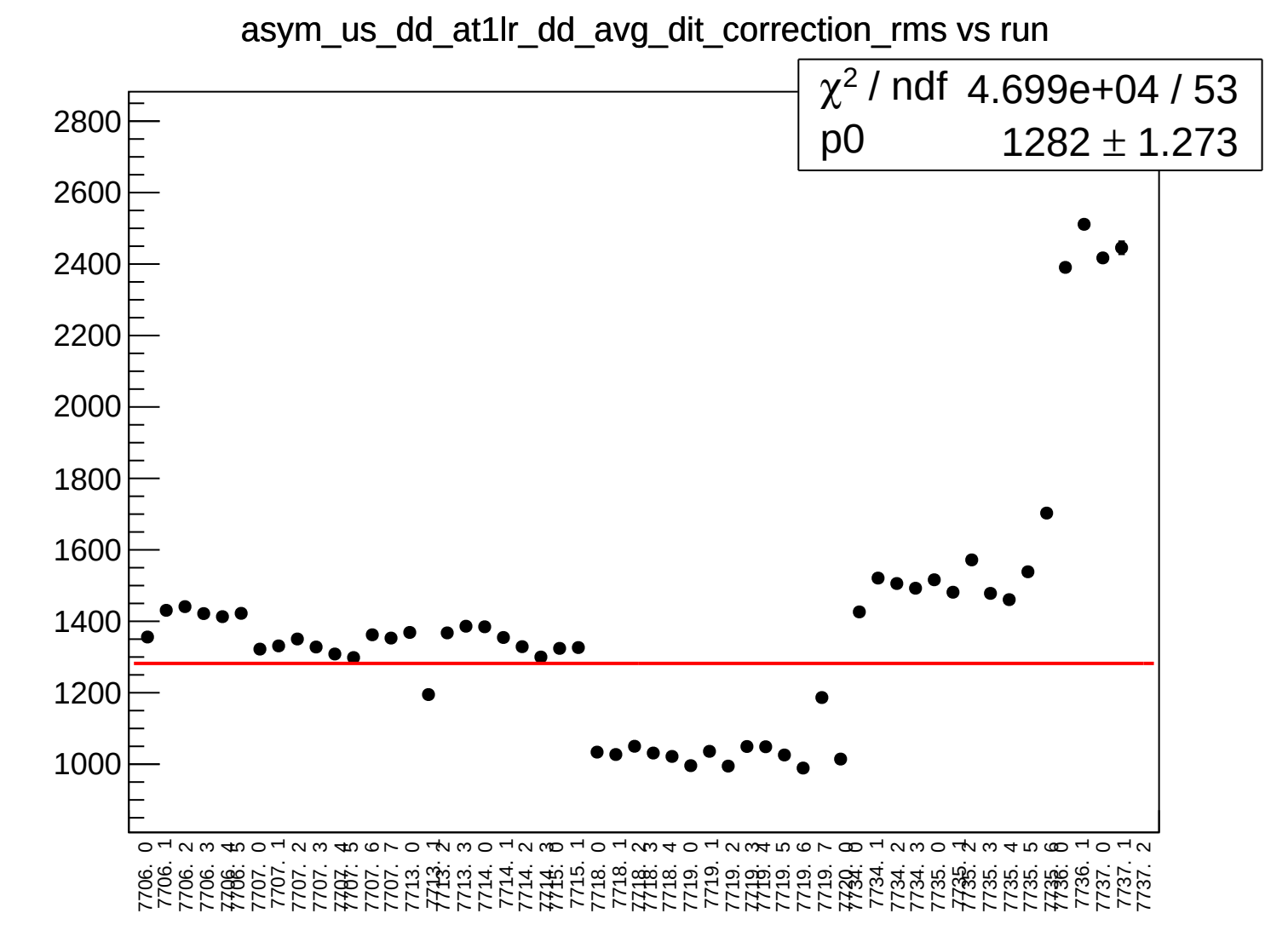

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 68.96 / 53
p0 −4623 ± 2982
pull
Entries 54
Mean 1226
Std Dev 0

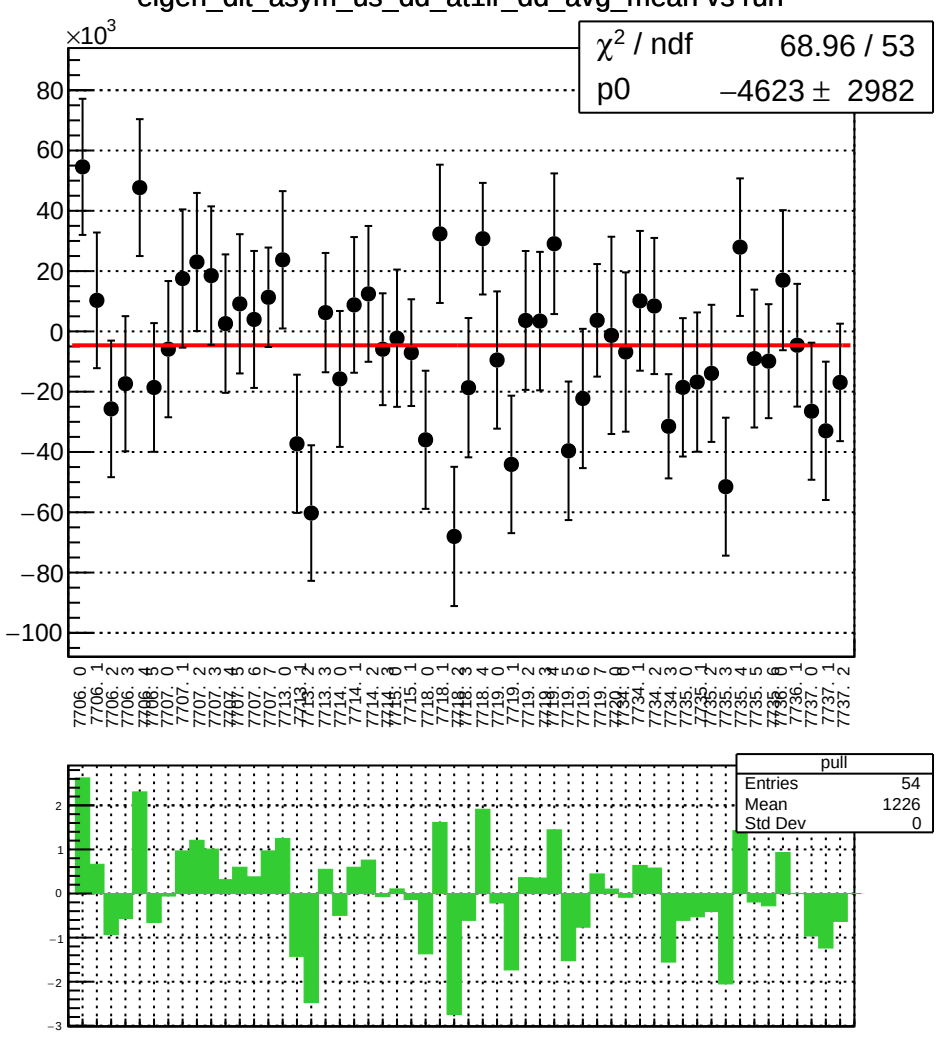

pull1D
Entries 54
Mean −0.004123
Std Dev 1.13

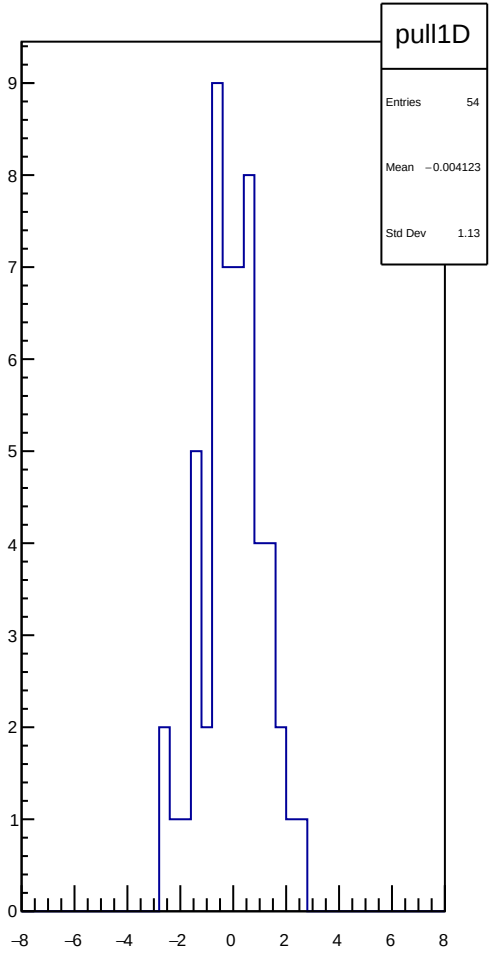

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 430.1 / 53
p0 2172 ± 2.109
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

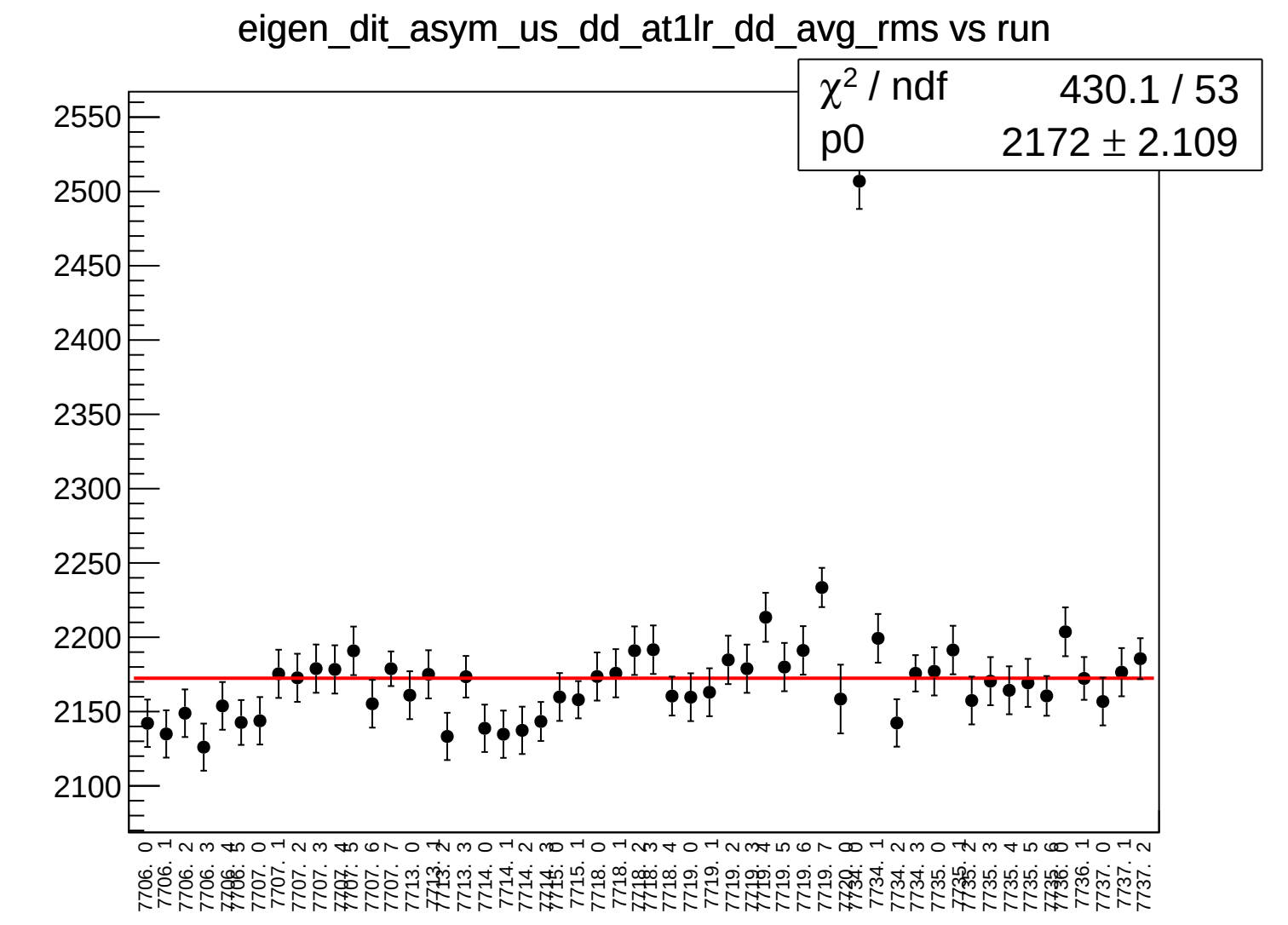

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 54.82 / 53
p0 −165.2 ± 1800
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 350.9
Std Dev 0
2
1
0
−1
−2

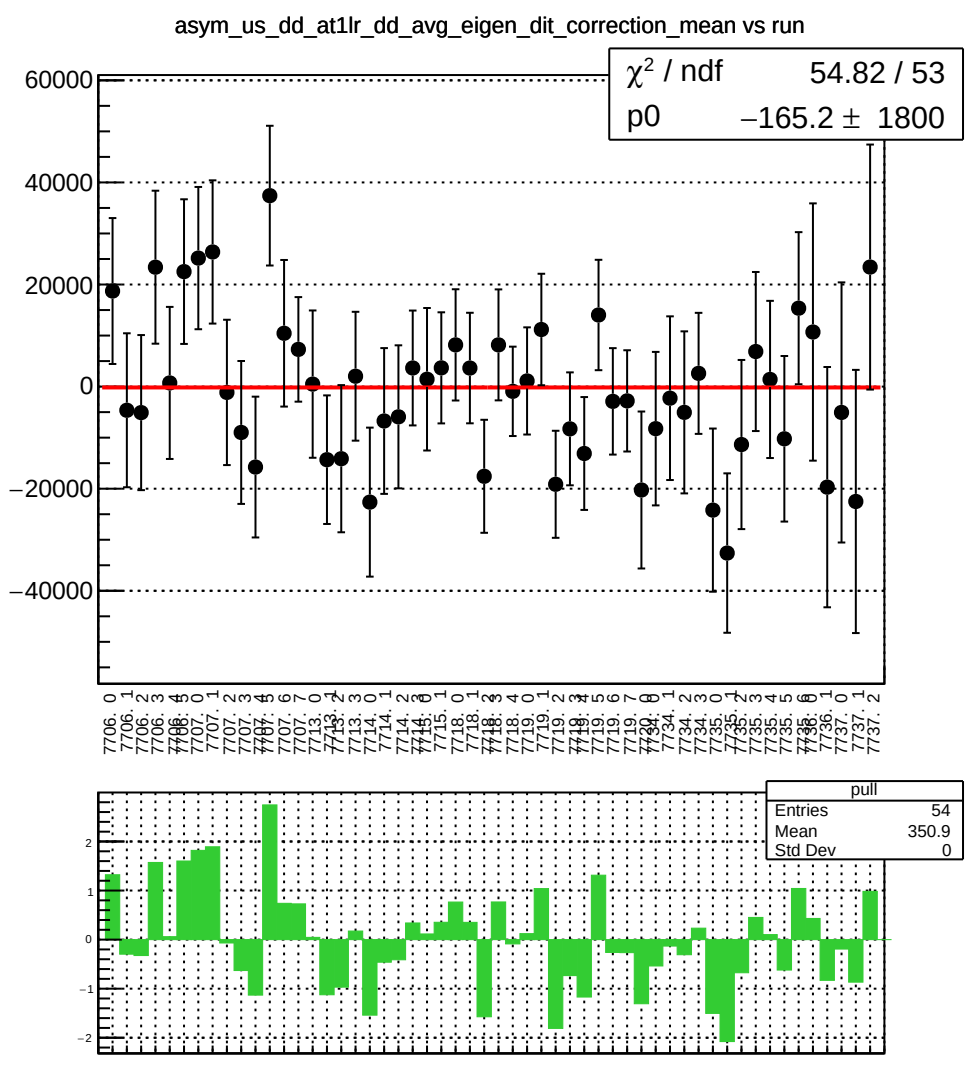

pull1D
Entries 54
Mean −0.01466
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

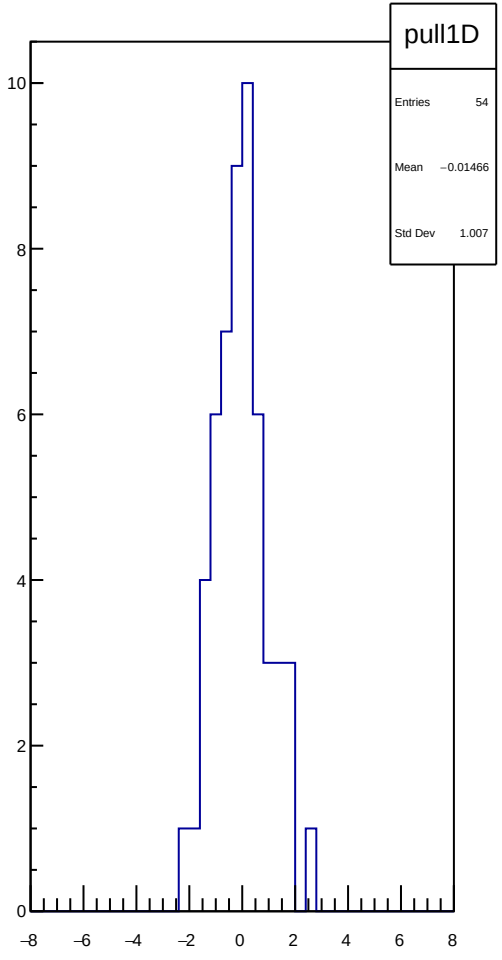

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4.699e+04 / 53
p0 1282 ± 1.273
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

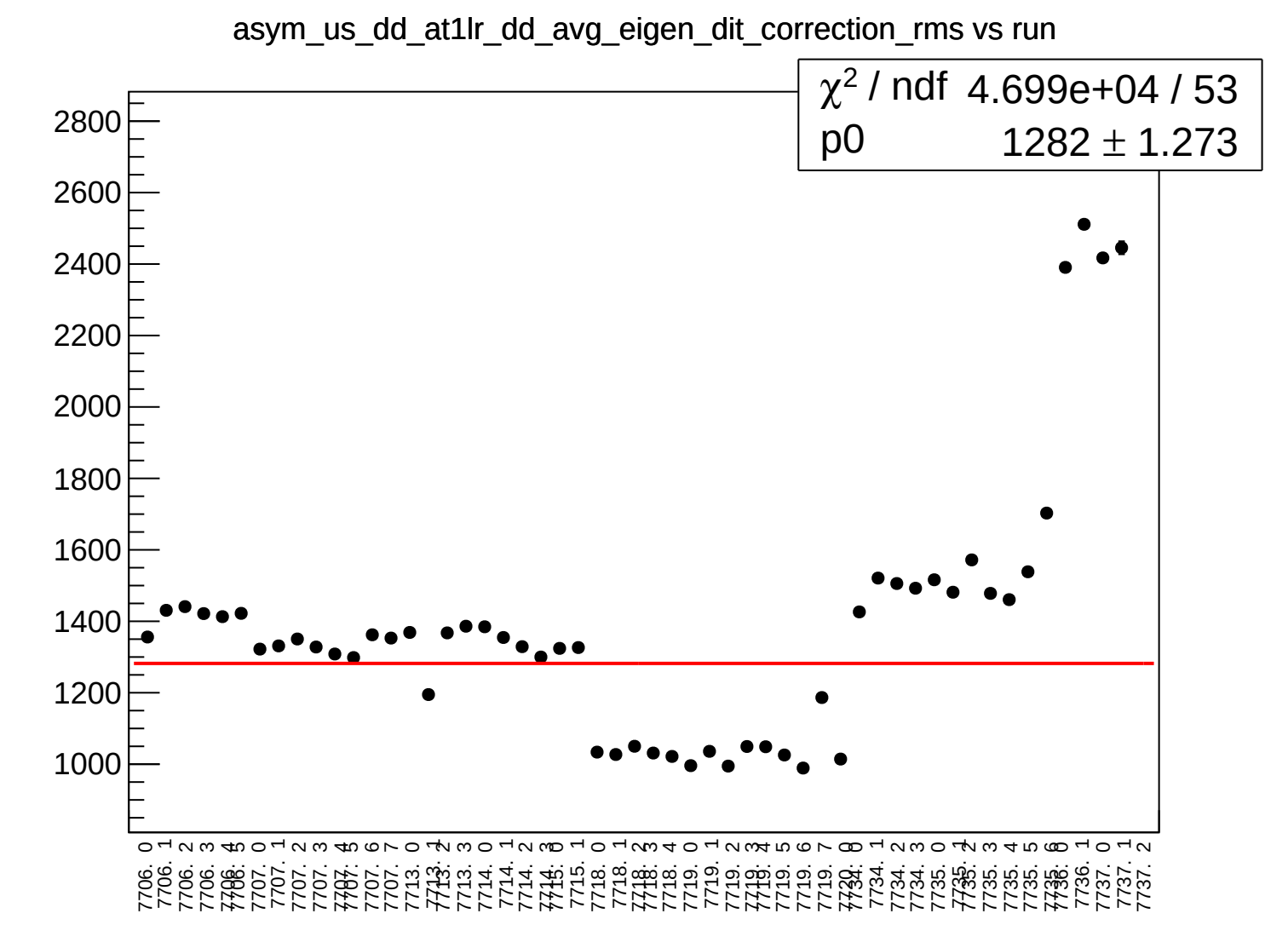

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 68.96 / 53
p0 −4623 ± 2982
pull
Entries 54
Mean 1226
Std Dev 0

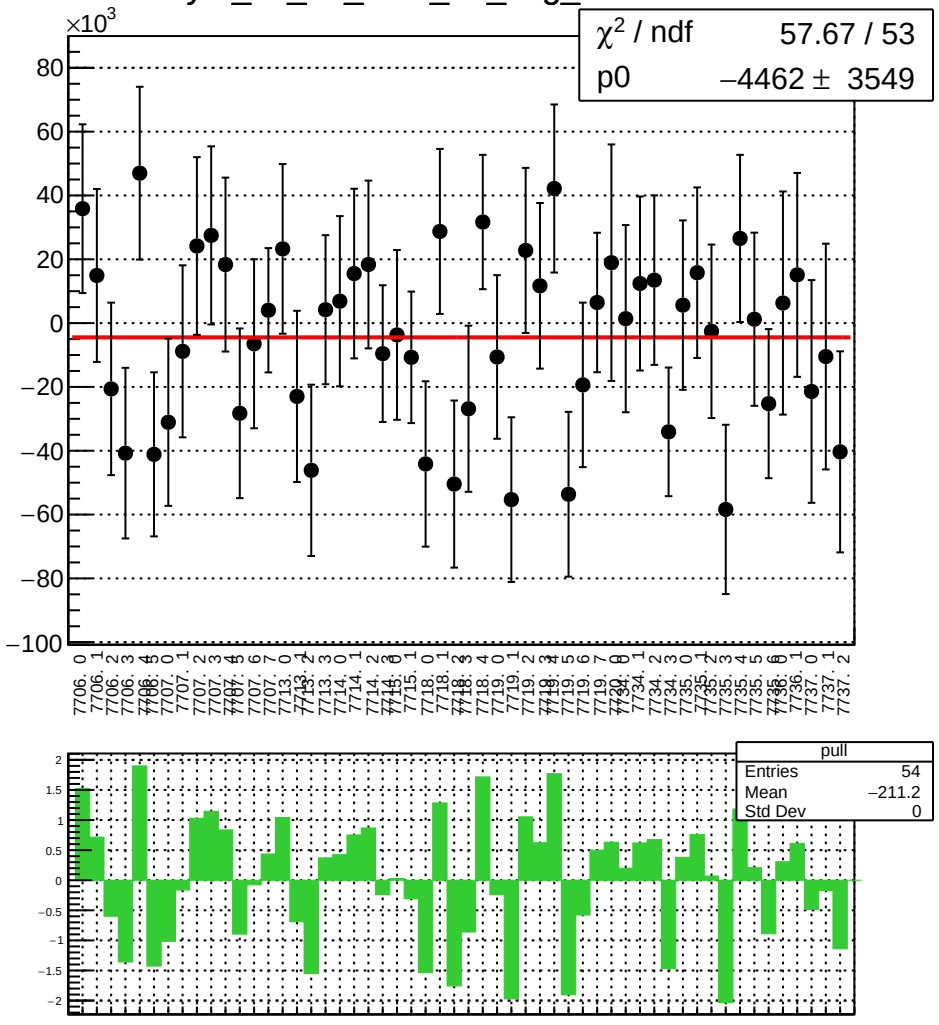

pull1D
Entries 54
Mean −0.004123
Std Dev 1.13

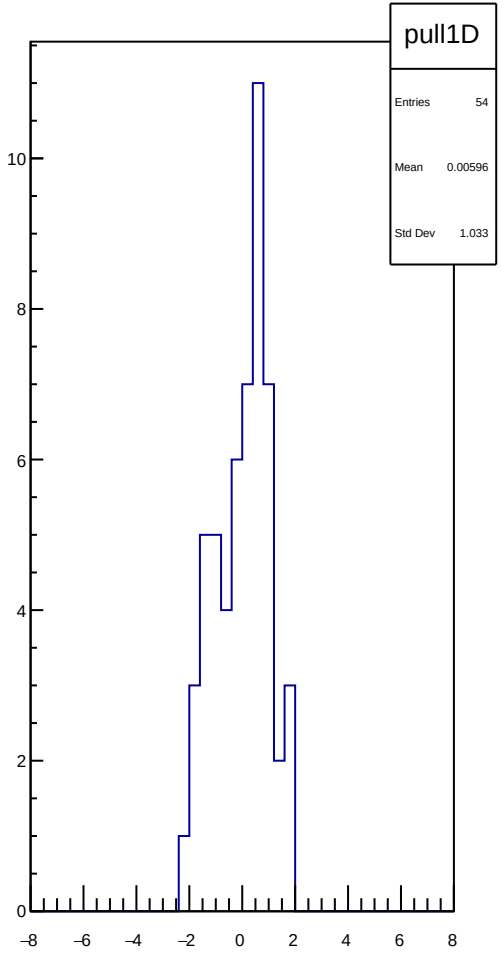

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 430.1 / 53
p0 2172 ± 2.109
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

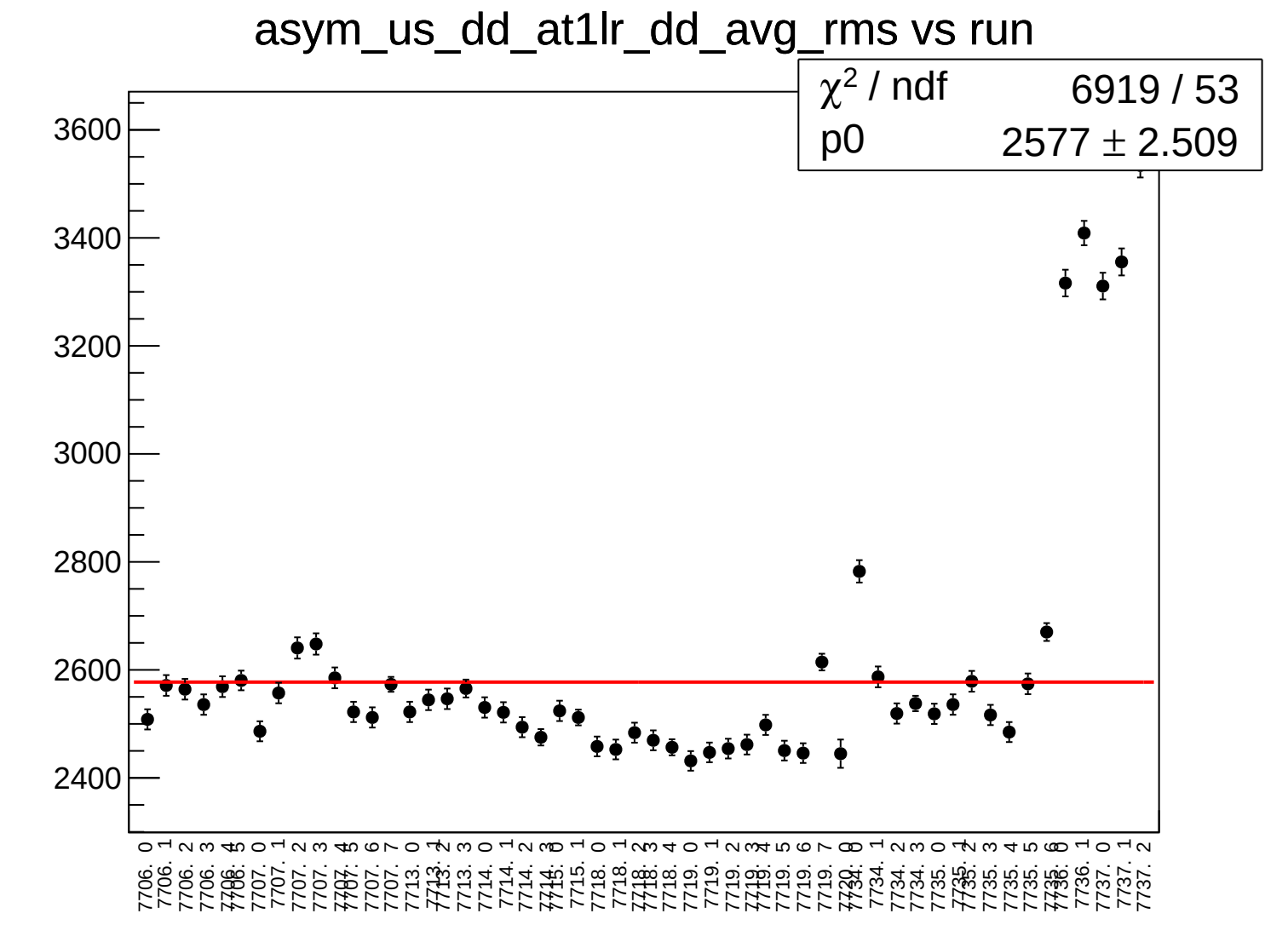

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.82 / 53
p0 −165.2 ± 1800
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 350.9
Std Dev 0
2
1
0
−1
−2

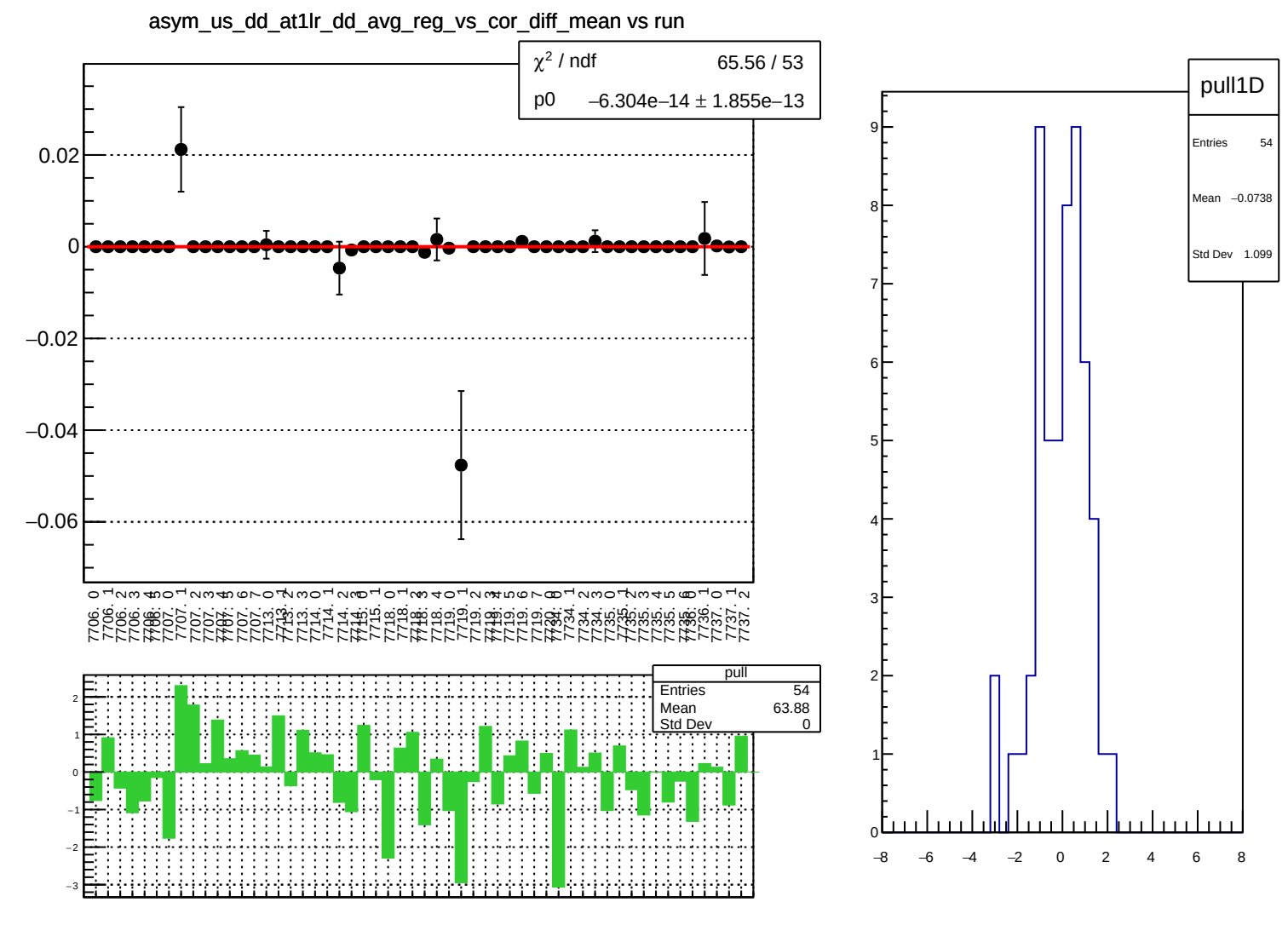

pull1D
Entries 54
Mean −0.01466
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

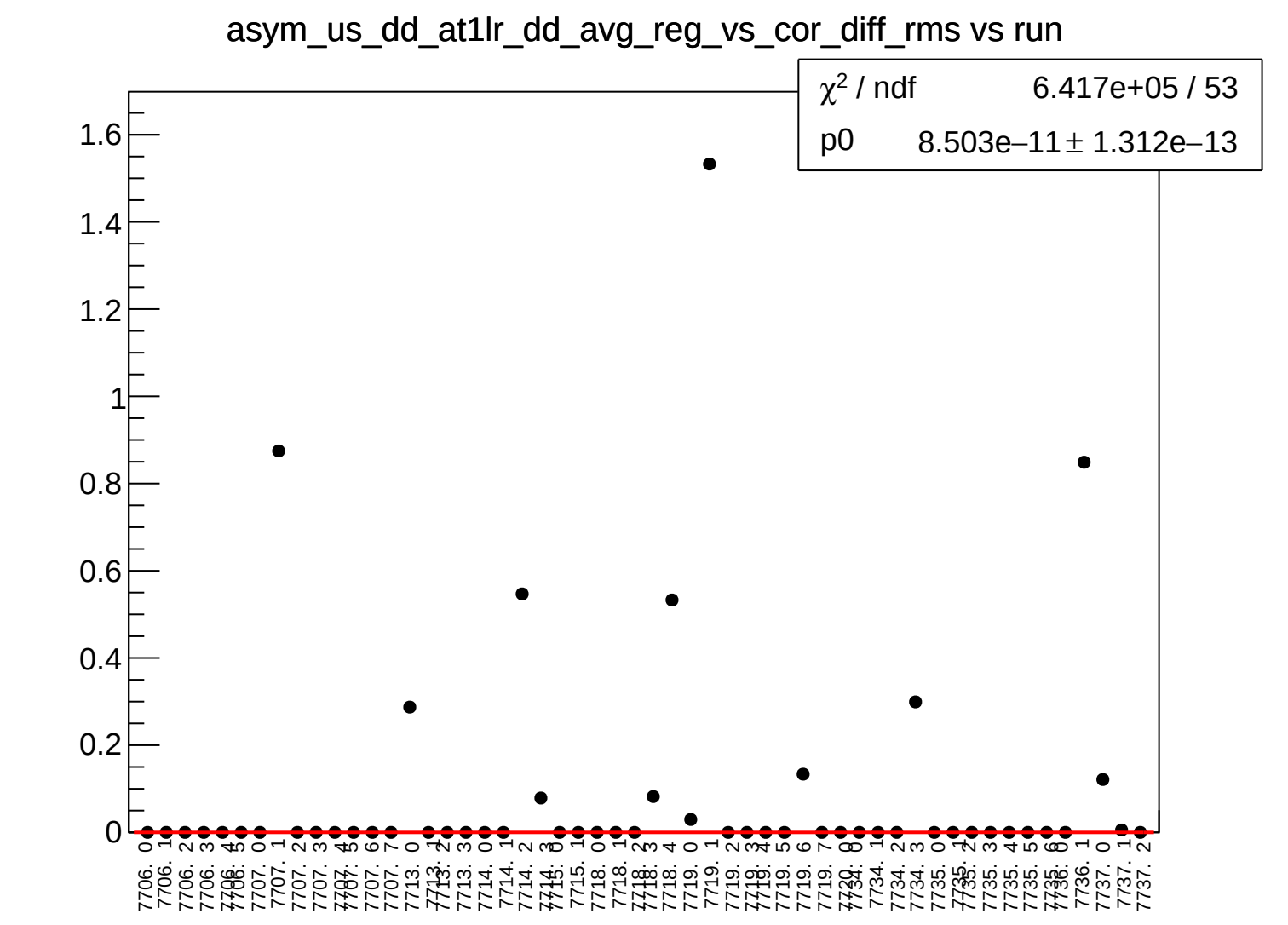

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.699e+04 / 53
p0 1282 ± 1.273
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

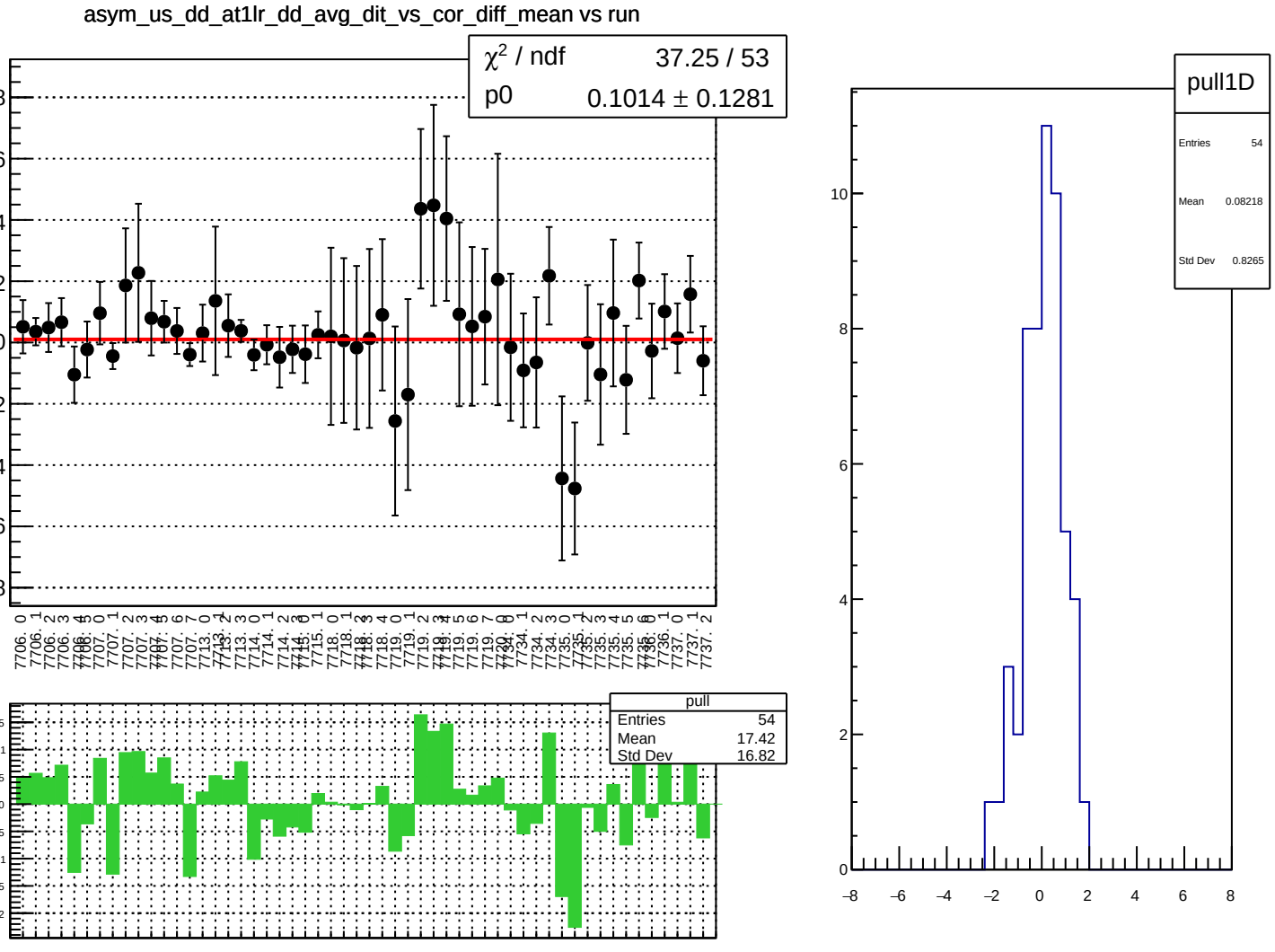

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 57.67 / 53
p0 −4462 ± 3549
pull
Entries 54
Mean −211.2
Std Dev 0

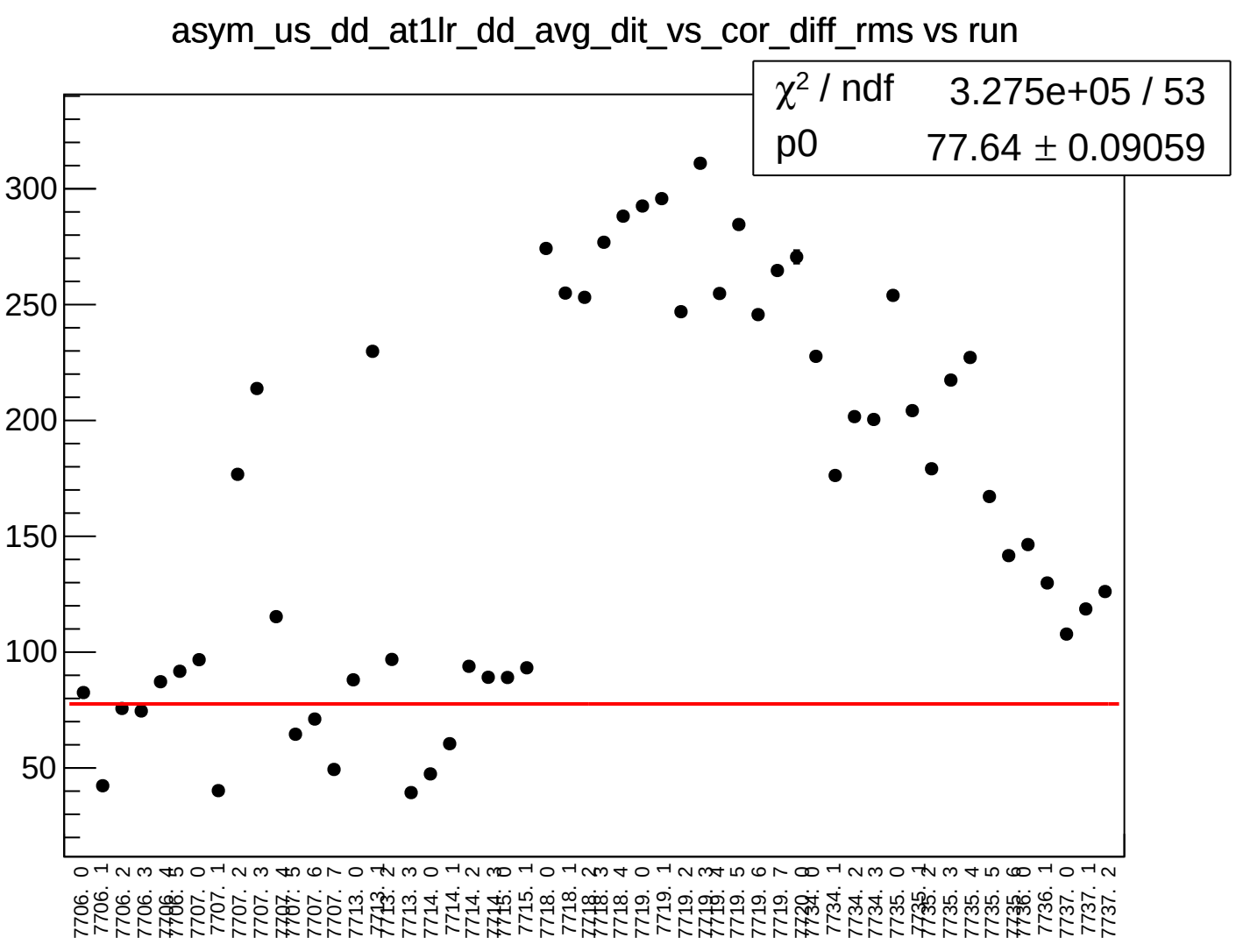

pull1D
Entries 54
Mean 0.00596
Std Dev 1.033

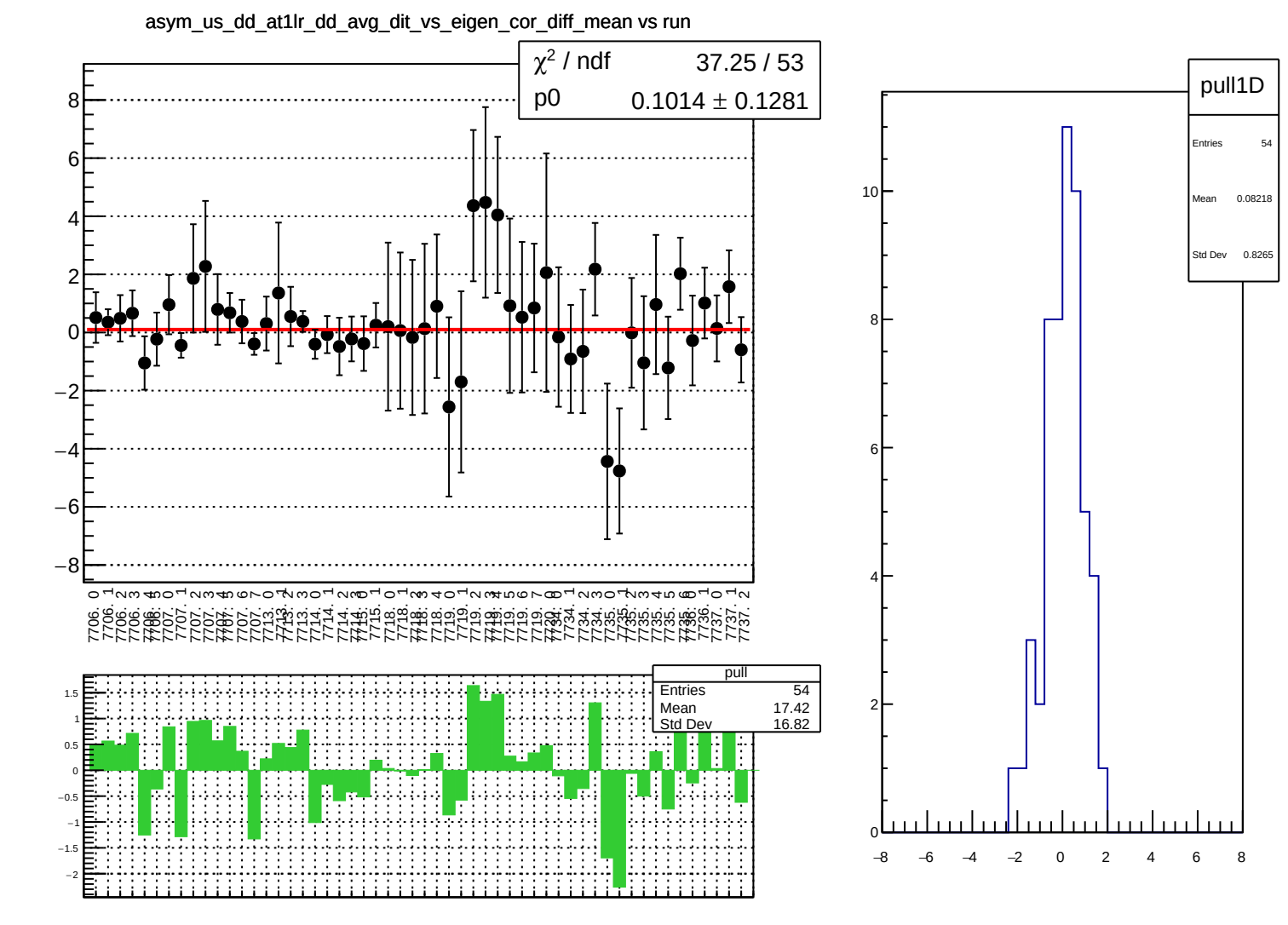

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 6919 / 53
p0 2577 ± 2.509
3600
3400
3200
3000
2800
2600
2400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

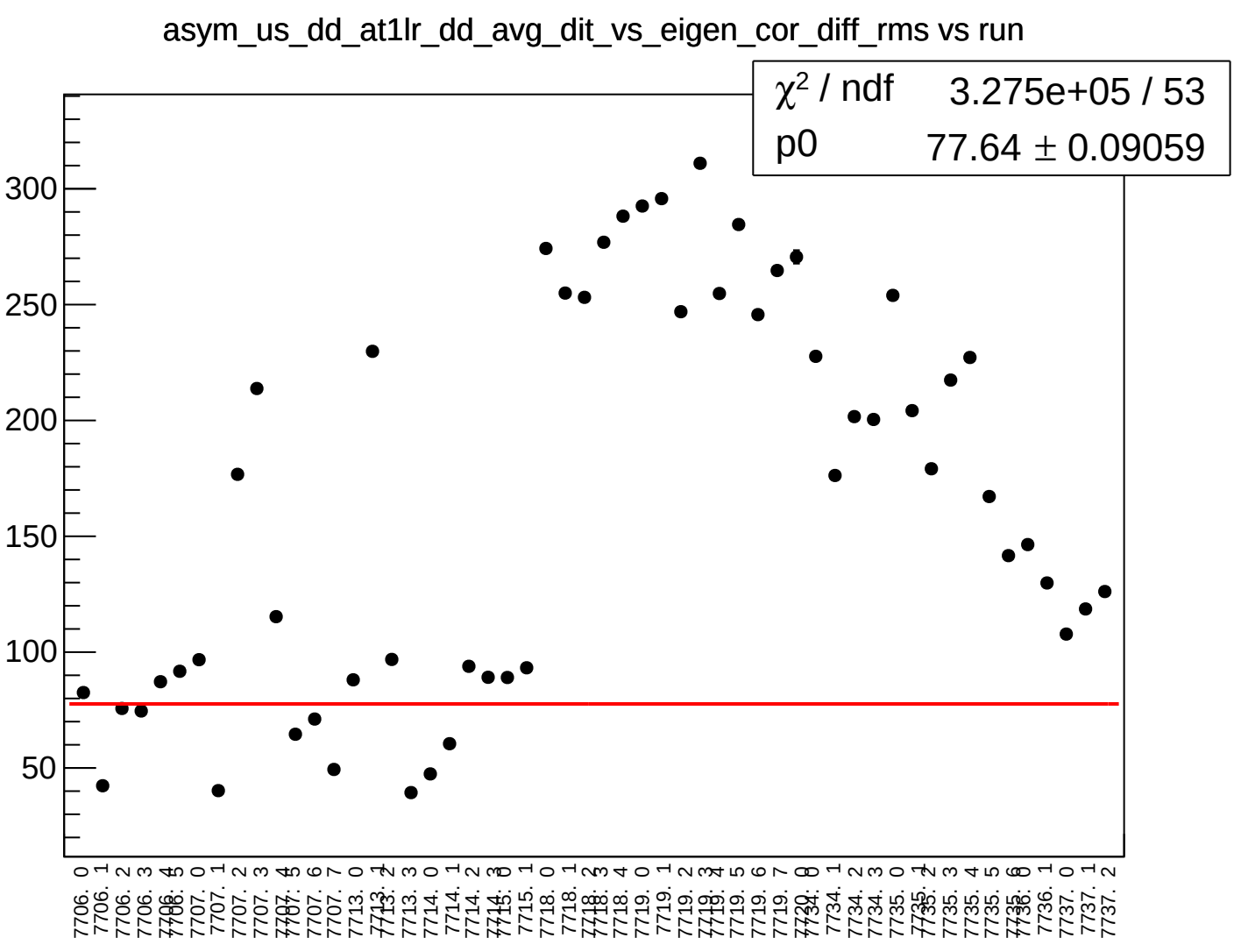

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.56 / 53
p0 −6.304e−14 ± 1.855e−13
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 63.88
Std Dev 0
pull1D
Entries 54
Mean −0.0738
Std Dev 1.099

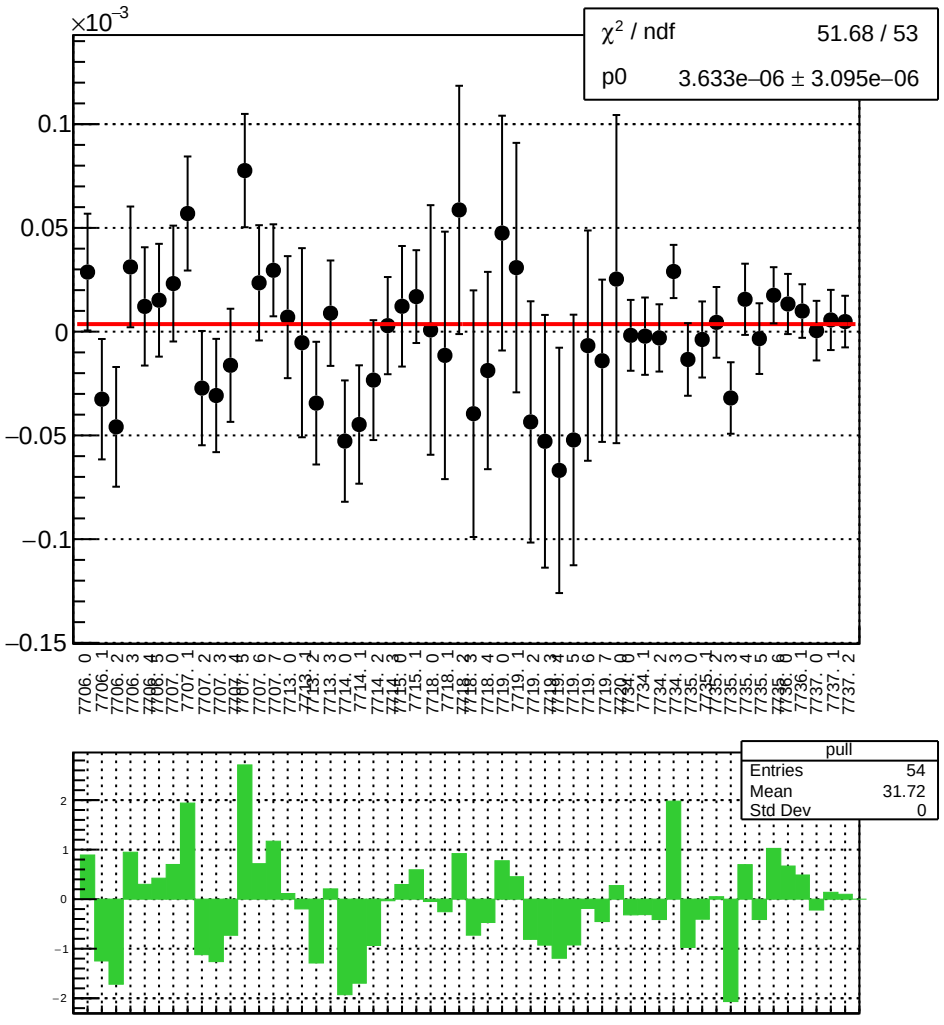

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.417e+05 / 53
p0 8.503e−11 ± 1.312e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

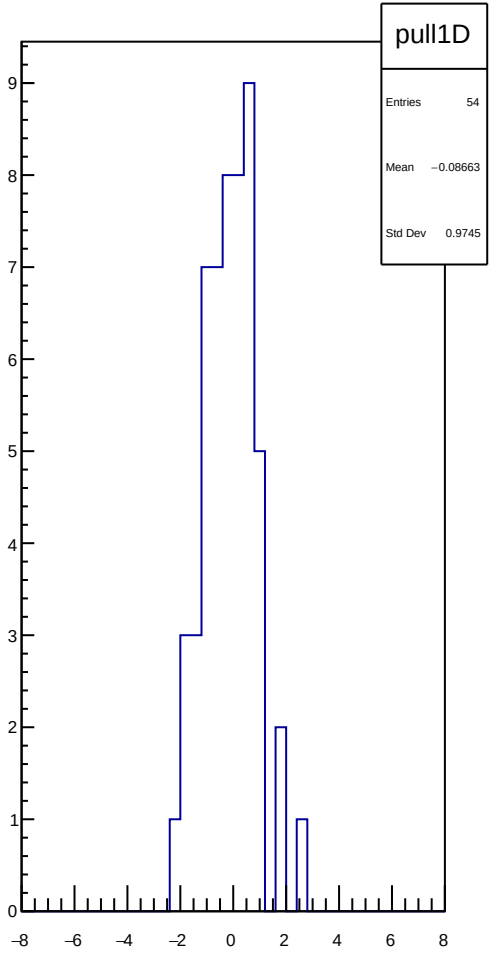

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.25 / 53
p0 0.1014 ± 0.1281
pull
Entries 54
Mean 17.42
Std Dev 16.82
pull1D
Entries 54
Mean 0.08218
Std Dev 0.8265

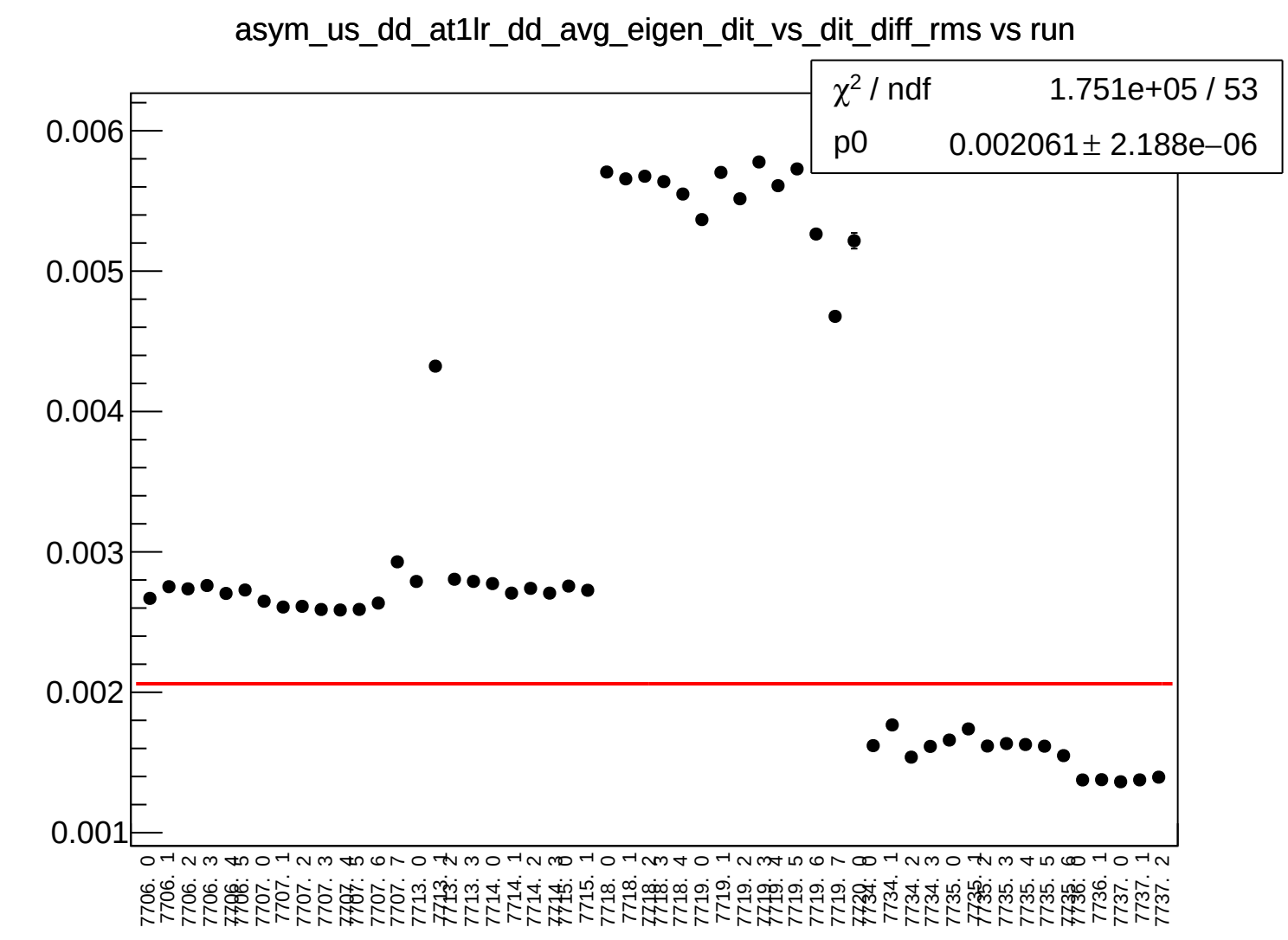

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.275e+05 / 53
p0 77.64 ± 0.09059
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

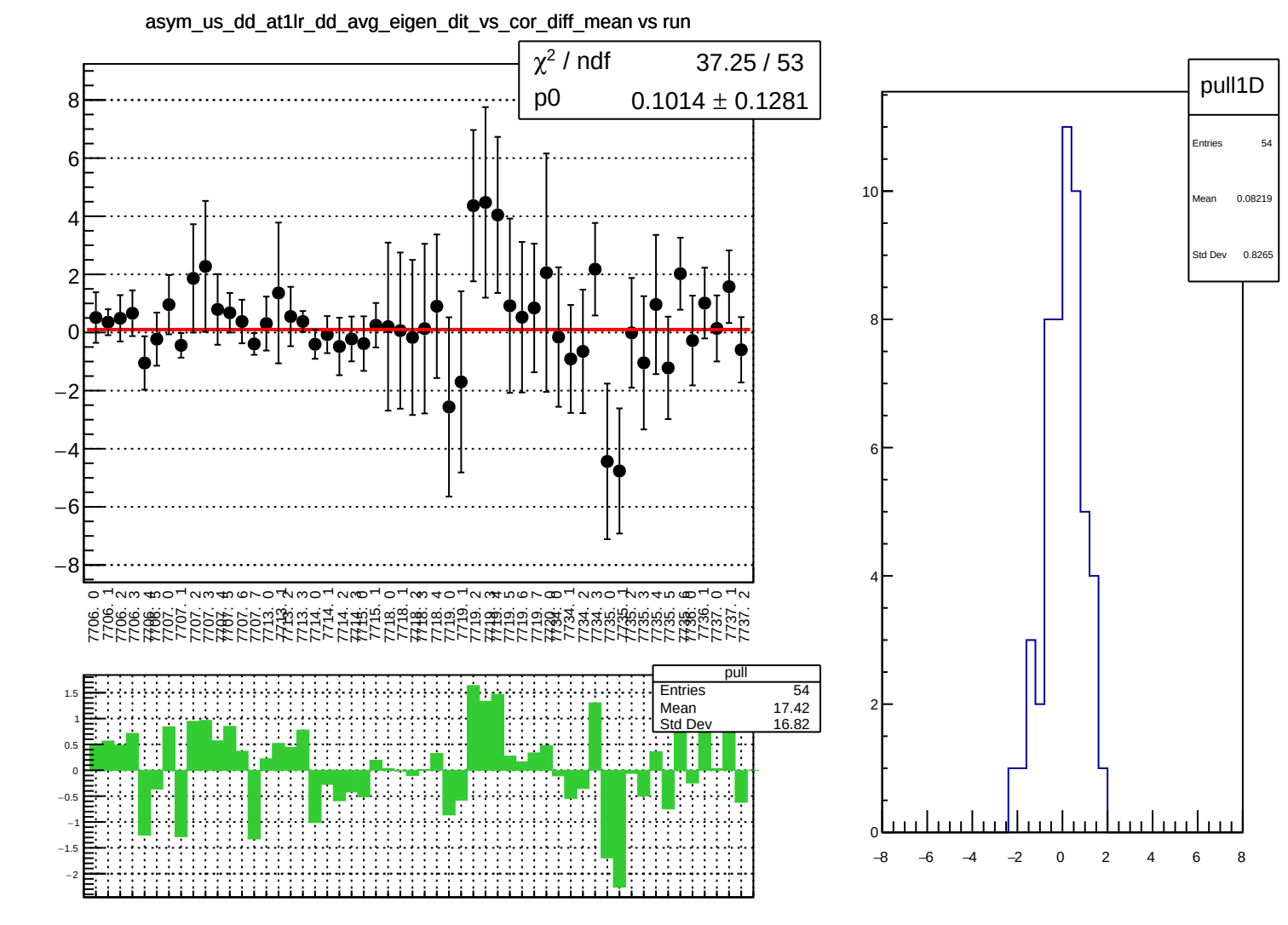

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.25 / 53
p0 0.1014 ± 0.1281
pull
Entries 54
Mean 17.42
Std Dev 16.82
pull1D
Entries 54
Mean 0.08218
Std Dev 0.8265

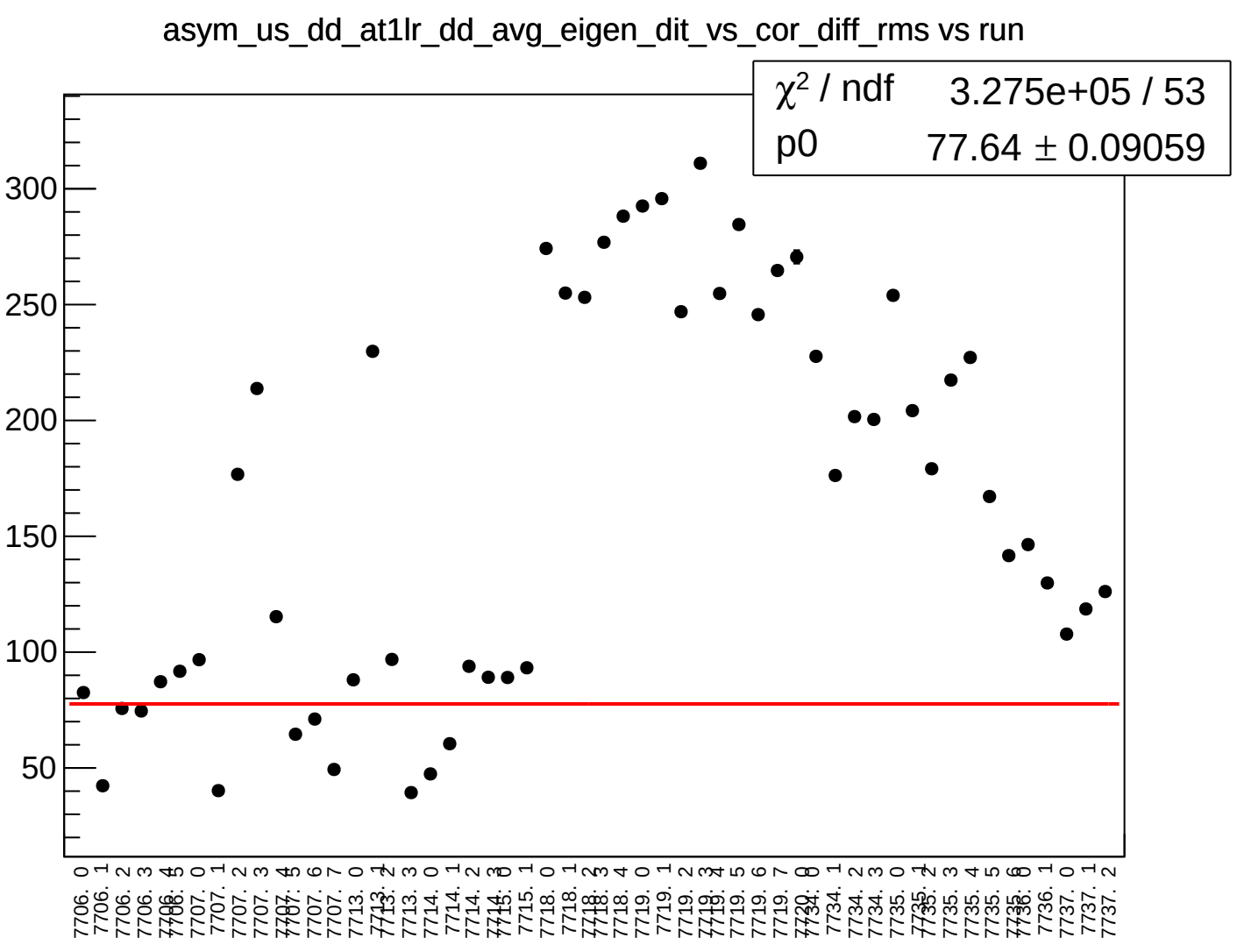

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.275e+05 / 53
p0 77.64 ± 0.09059
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

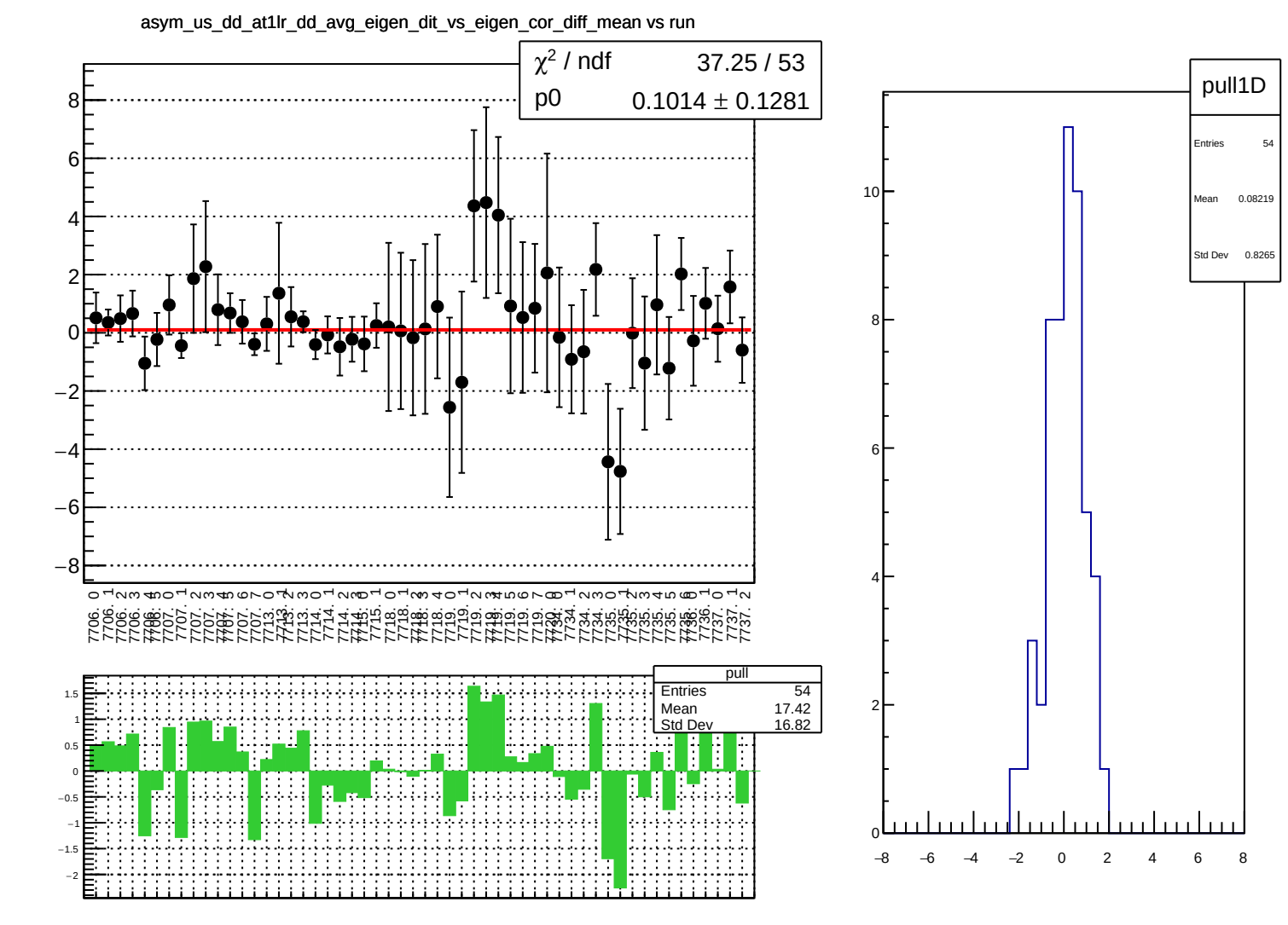

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.68 / 53
p0 3.633e−06 ± 3.095e−06
pull
Entries 54
Mean 31.72
Std Dev 0

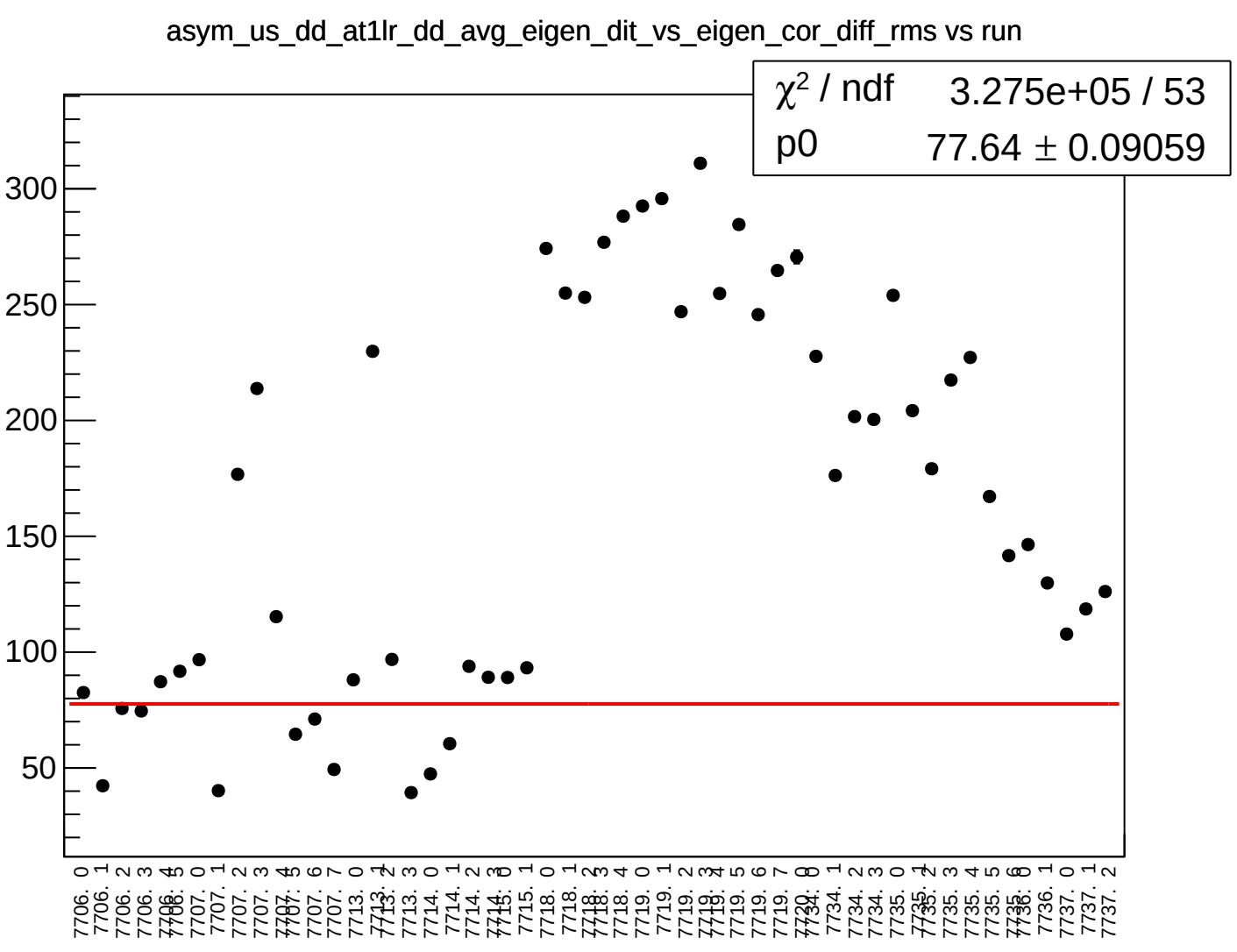

pull1D
Entries 54
Mean −0.08663
Std Dev 0.9745

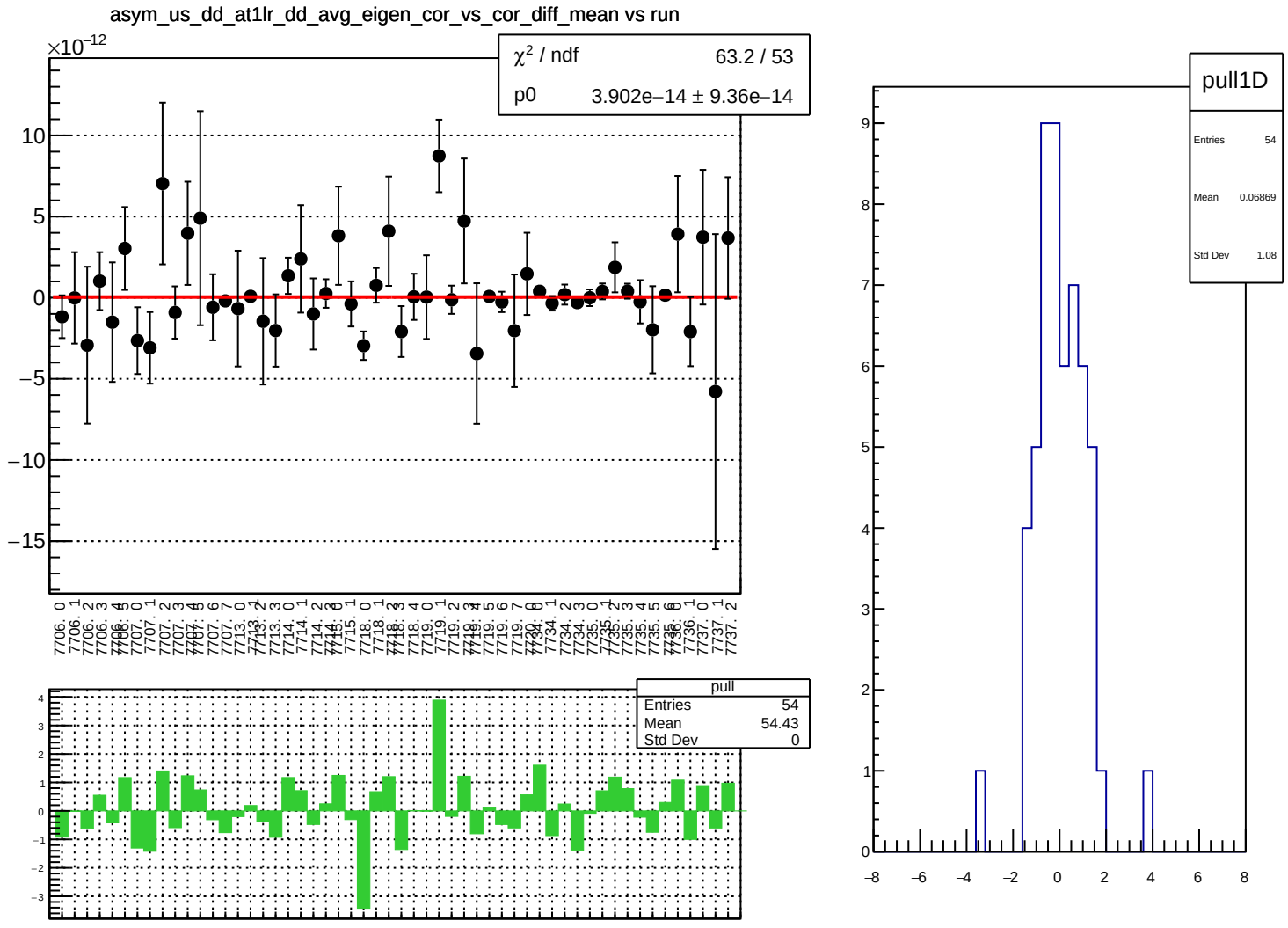

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.751e+05 / 53
p0 0.002061 ± 2.188e−06
0.006
0.005
0.004
0.003
0.002
0.001

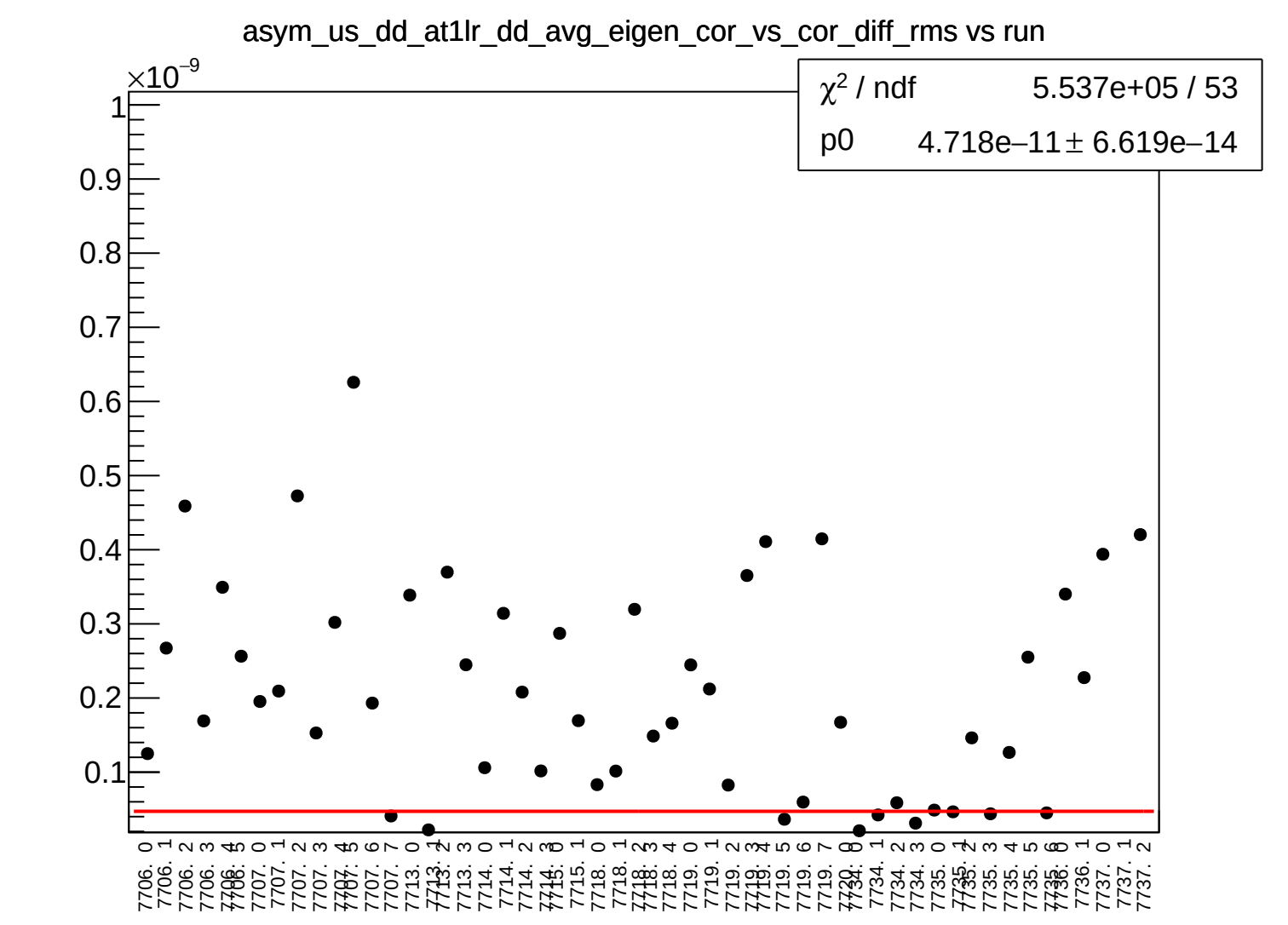

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.25 / 53
p0 0.1014 ± 0.1281
pull
Entries 54
Mean 17.42
Std Dev 16.82
pull1D
Entries 54
Mean 0.08219
Std Dev 0.8265

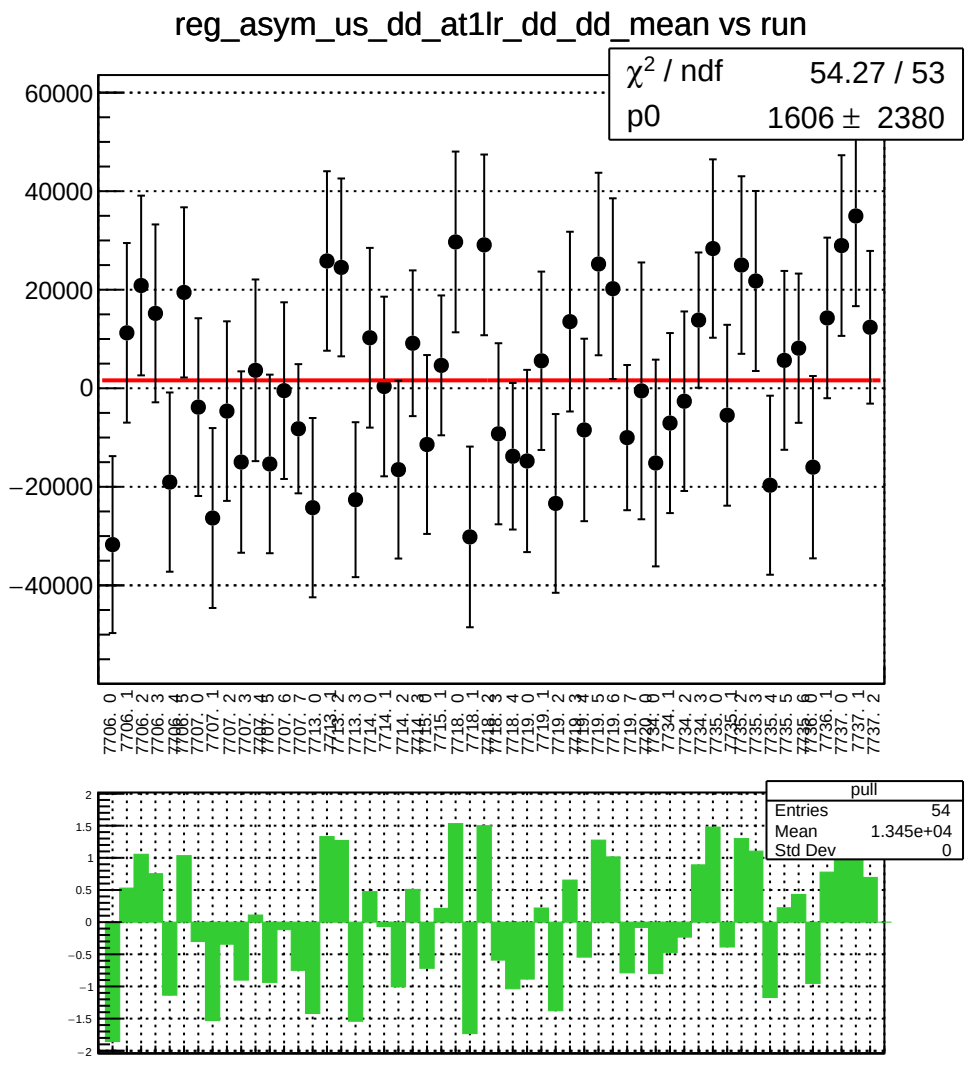

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.275e+05 / 53
p0 77.64 ± 0.09059
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

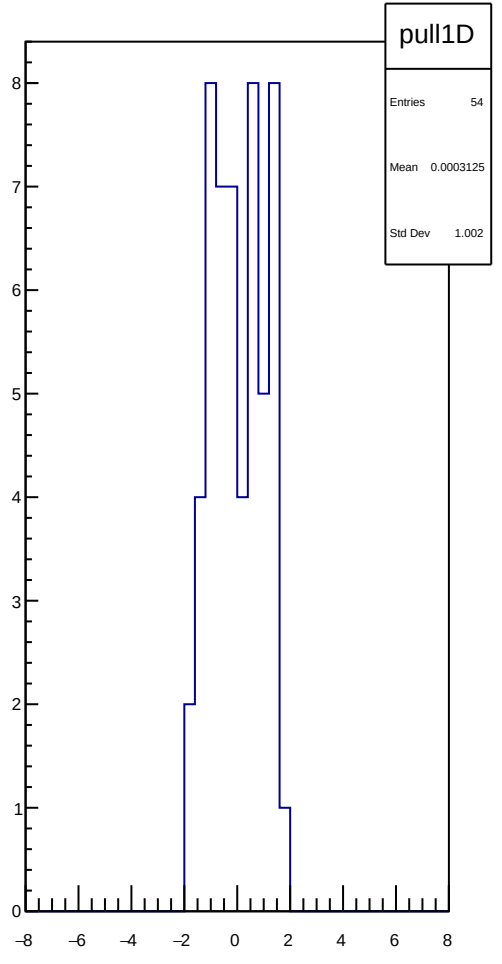

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.25 / 53
p0 0.1014 ± 0.1281
pull
Entries 54
Mean 17.42
Std Dev 16.82
pull1D
Entries 54
Mean 0.08219
Std Dev 0.8265

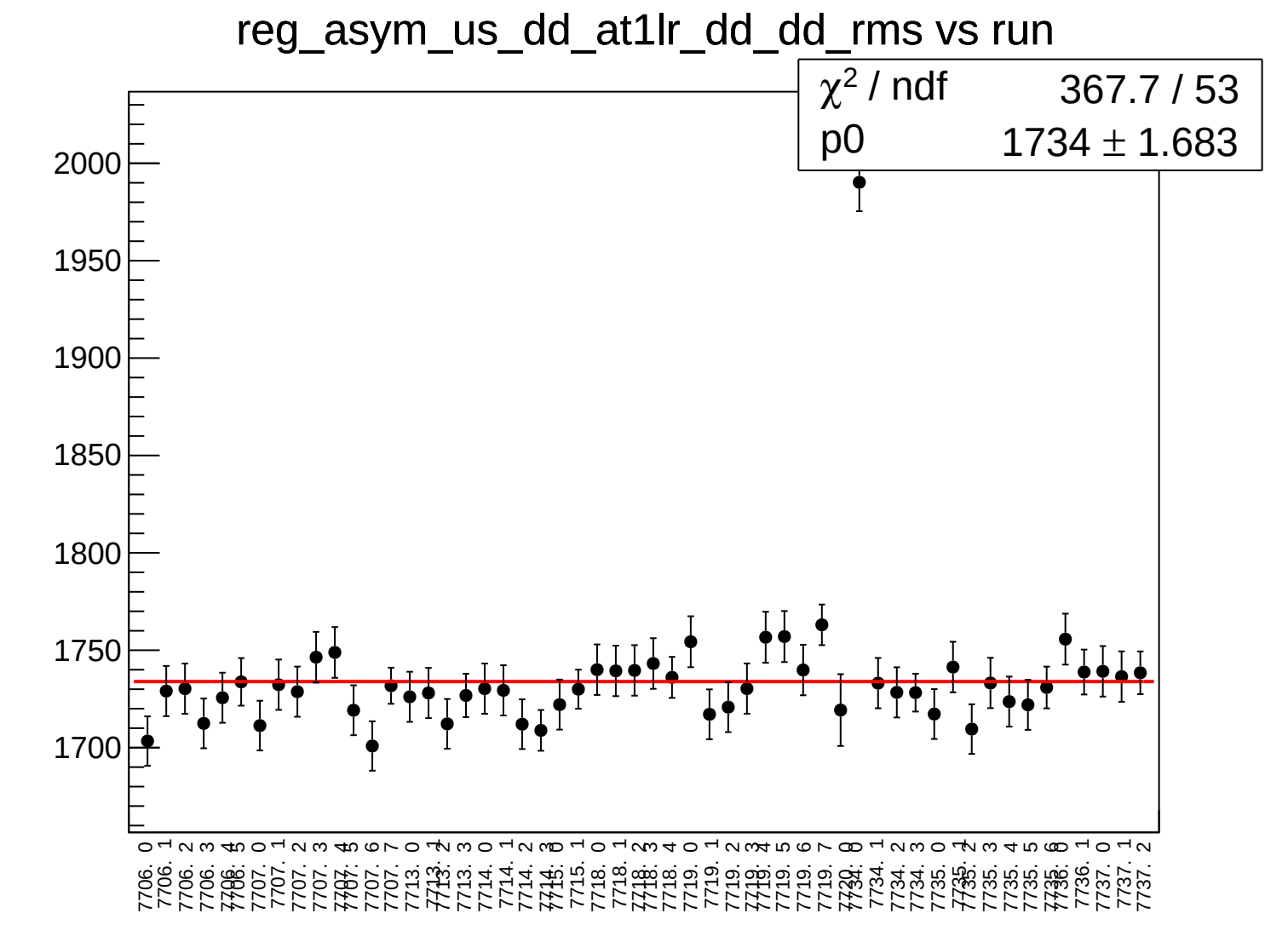

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.275e+05 / 53
p0 77.64 ± 0.09059
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

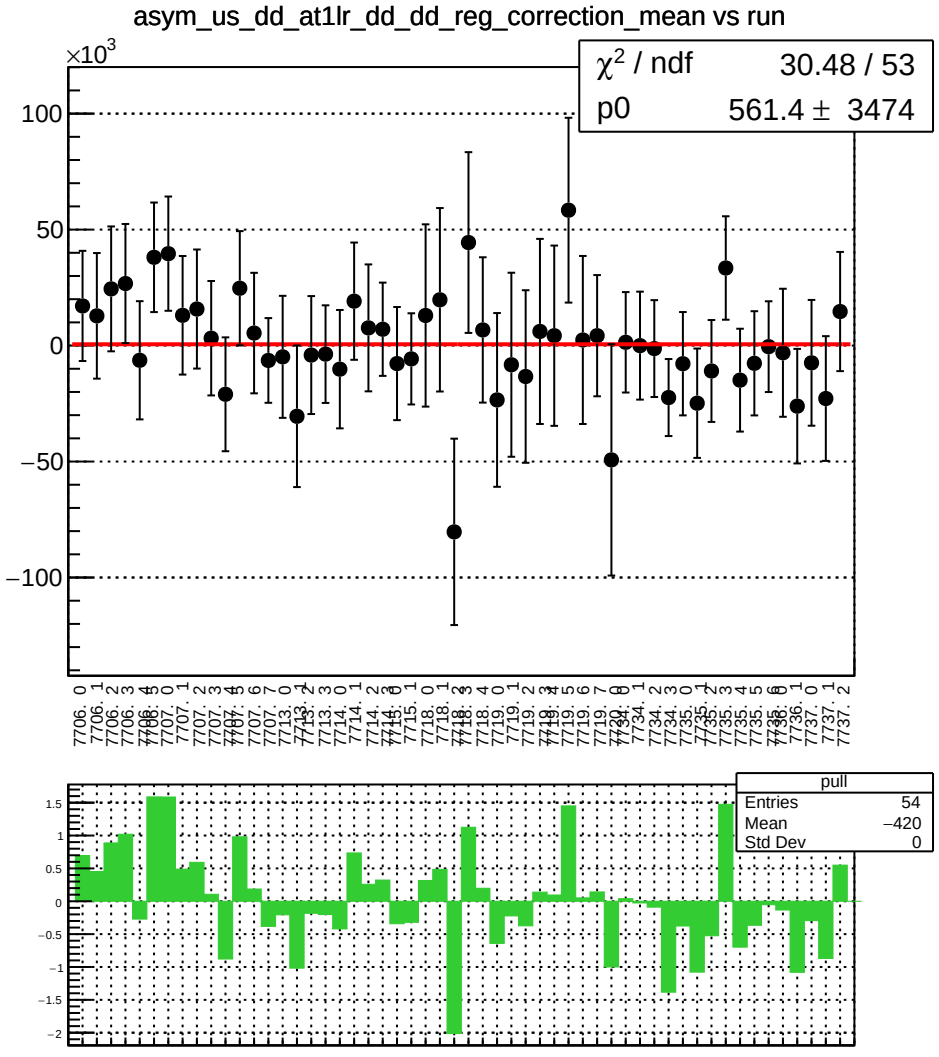

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.2 / 53
p0 3.902e−14 ± 9.36e−14
pull
Entries 54
Mean 54.43
Std Dev 0
pull1D
Entries 54
Mean 0.06869
Std Dev 1.08

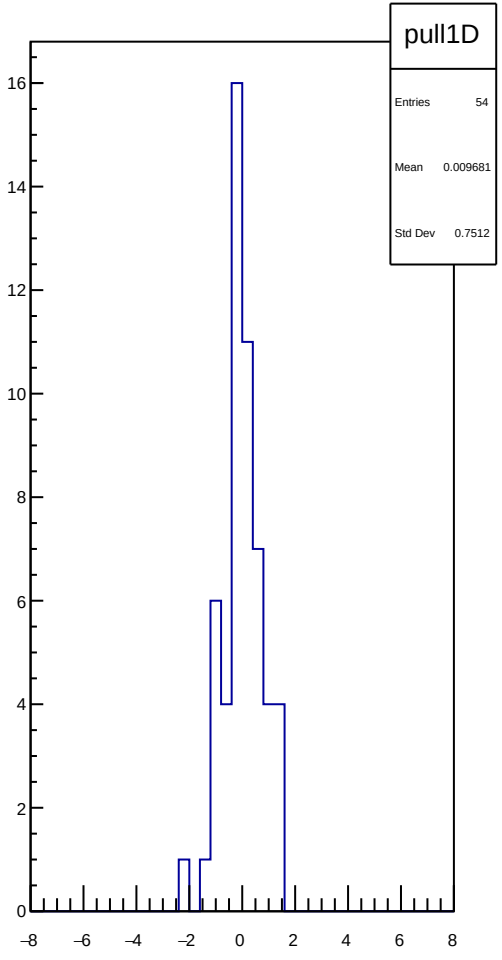

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.537e+05 / 53
p0 4.718e−11 ± 6.619e−14
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

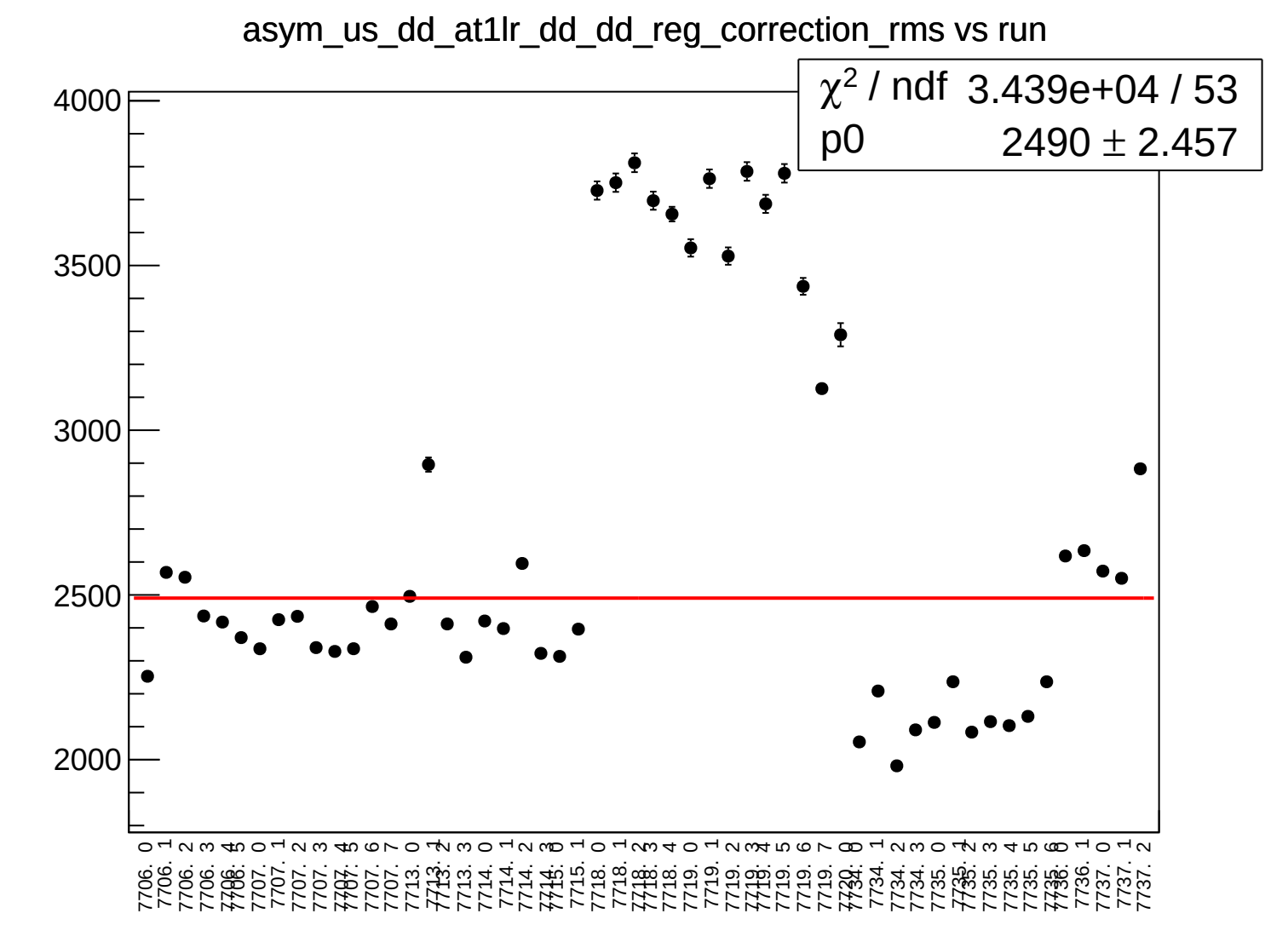

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 54.27 / 53
p0 1606 ± 2380
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 1.345e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

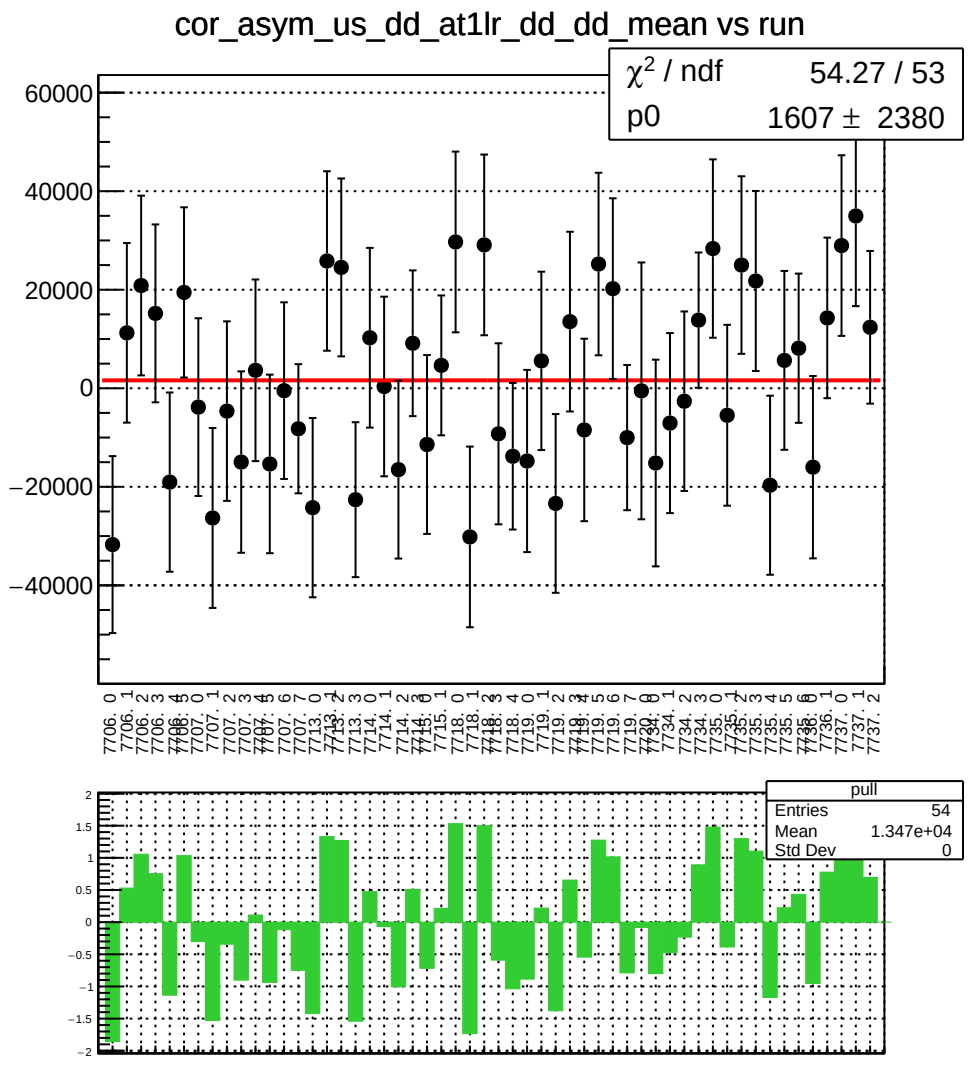

pull1D
Entries 54
Mean 0.0003125
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

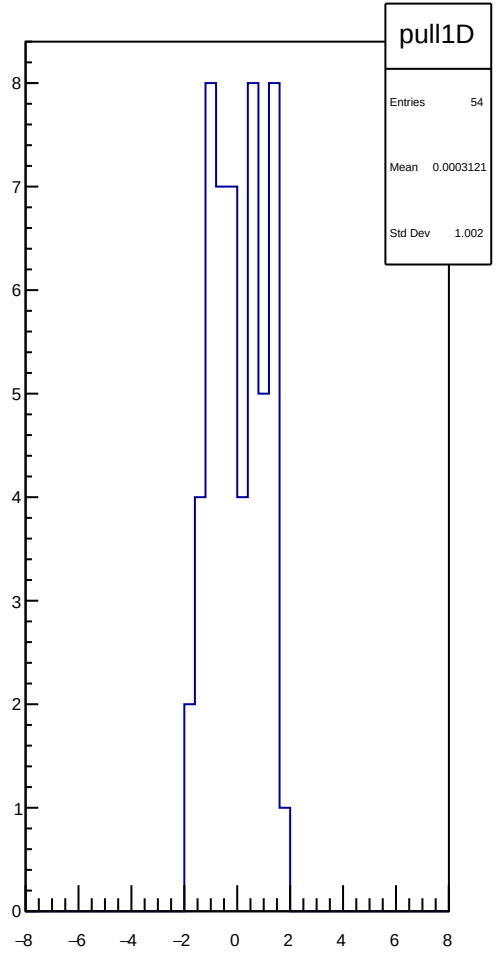

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 367.7 / 53
p0 1734 ± 1.683
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

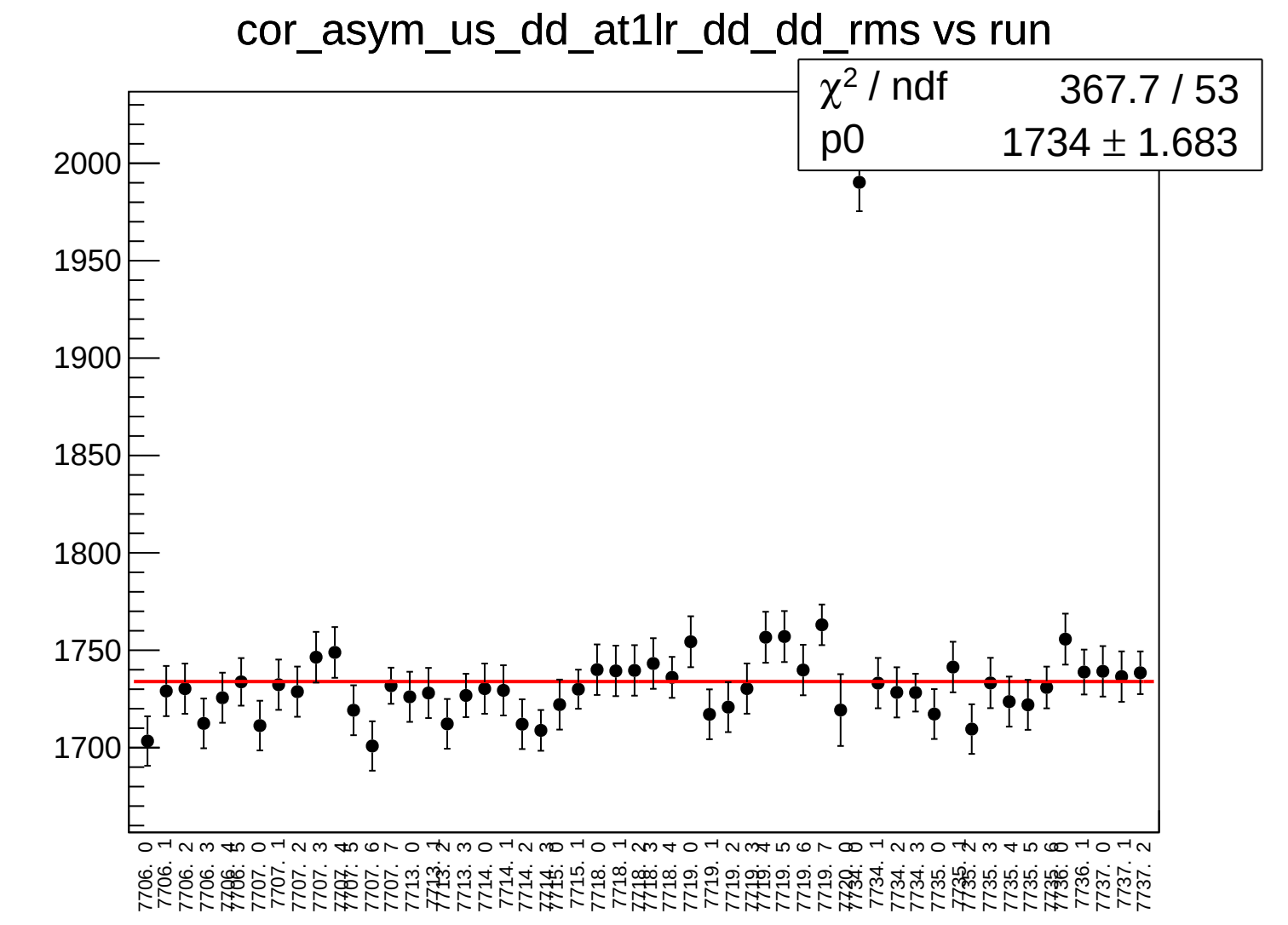

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 30.48 / 53
p0 561.4 ± 3474
100
50
0
−50
−100
pull
Entries 54
Mean −420
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

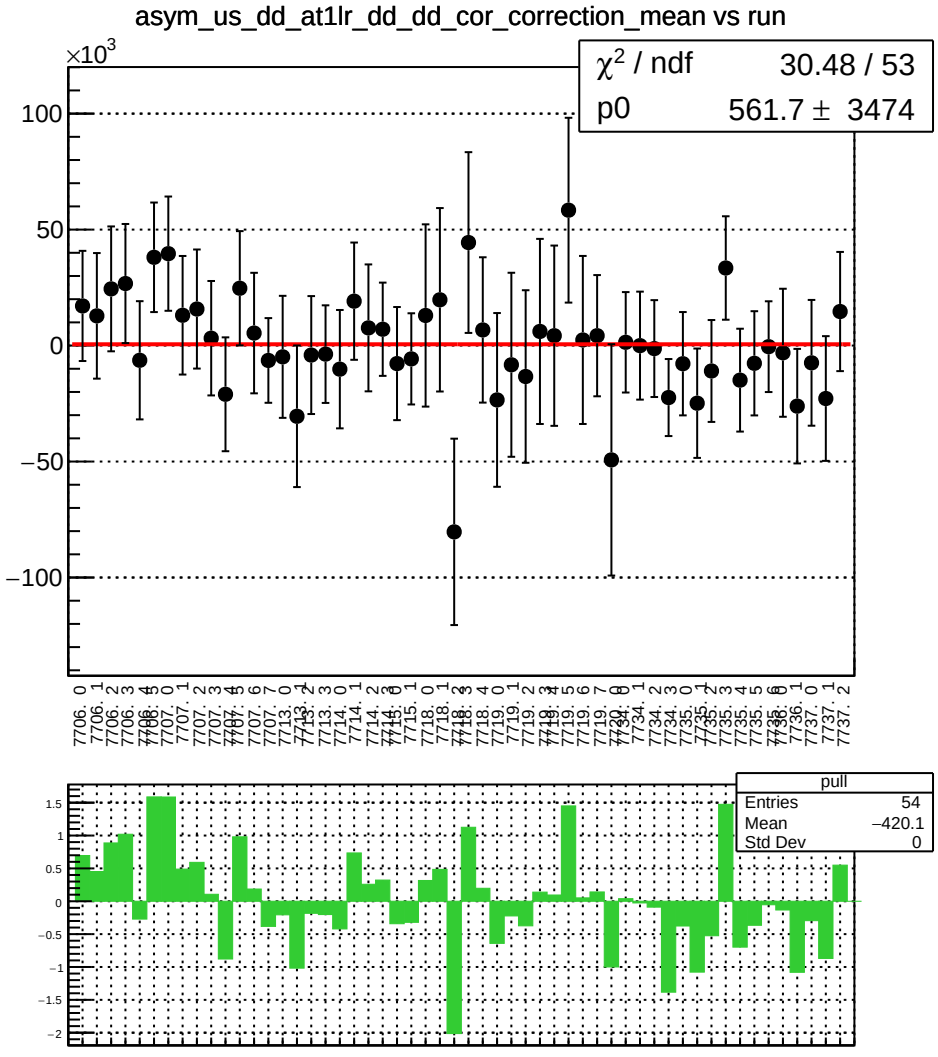

pull1D
Entries 54
Mean 0.009681
Std Dev 0.7512
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

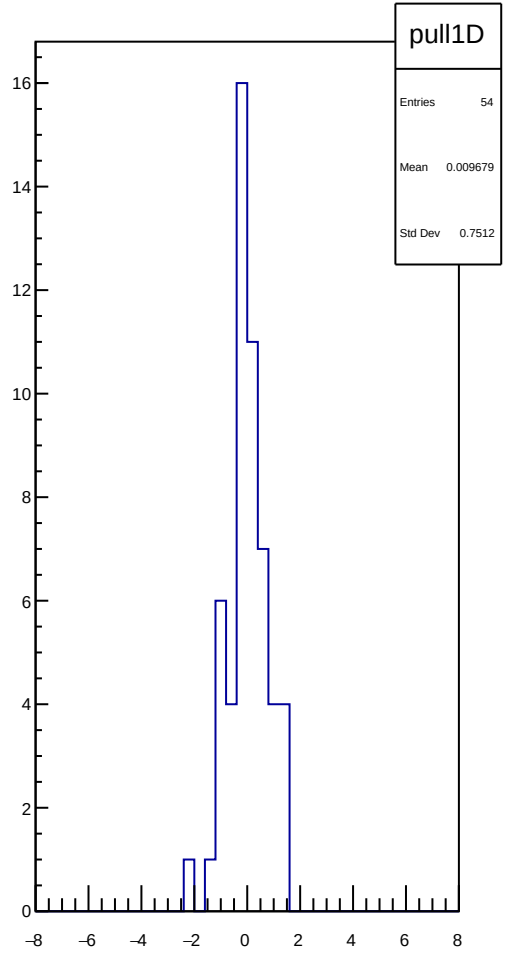

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3.439e+04 / 53
p0 2490 ± 2.457
4000
3500
3000
2500
2000

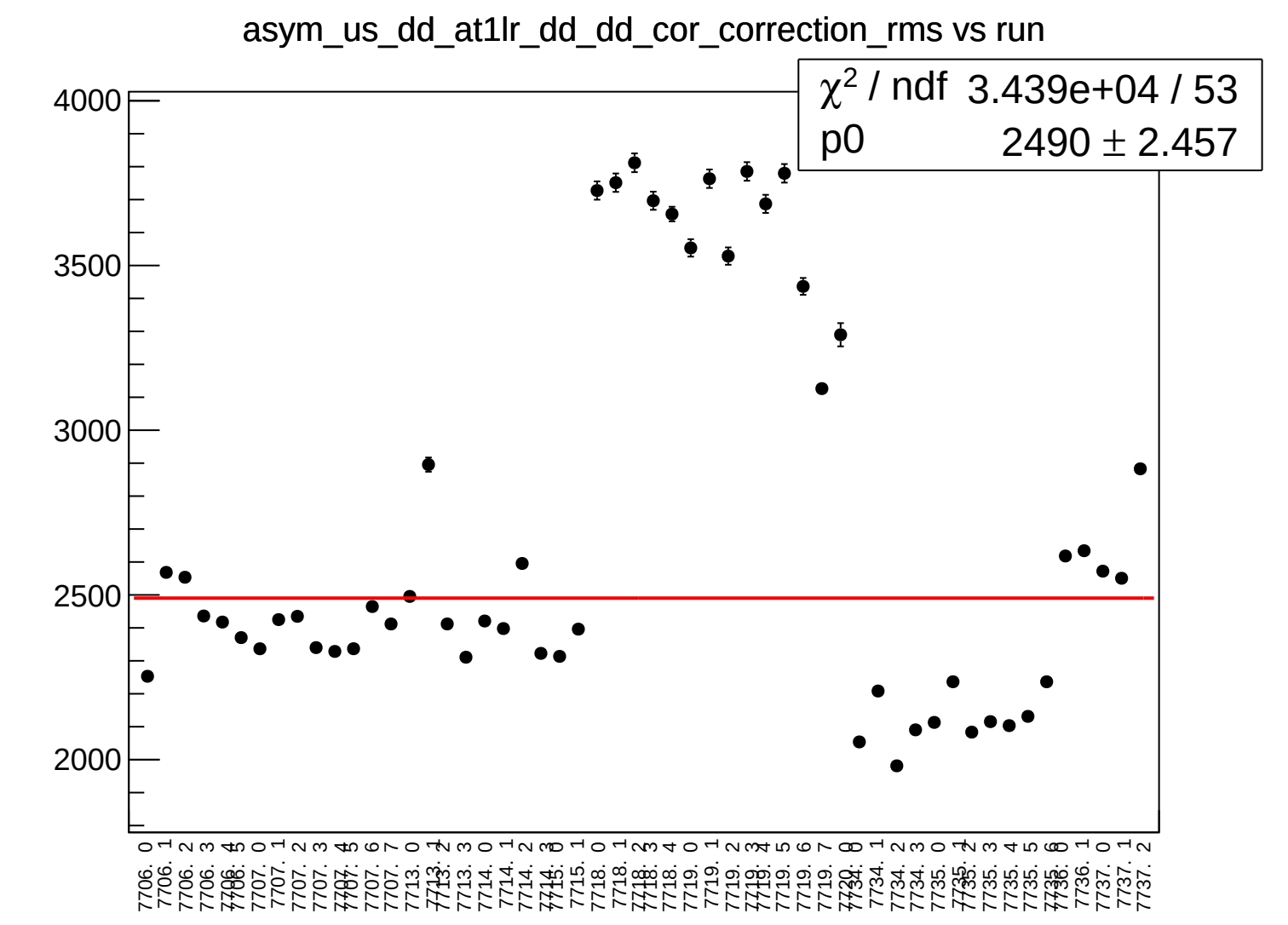

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 54.27 / 53
p0 1607 ± 2380
pull
Entries 54
Mean 1.347e+04
Std Dev 0

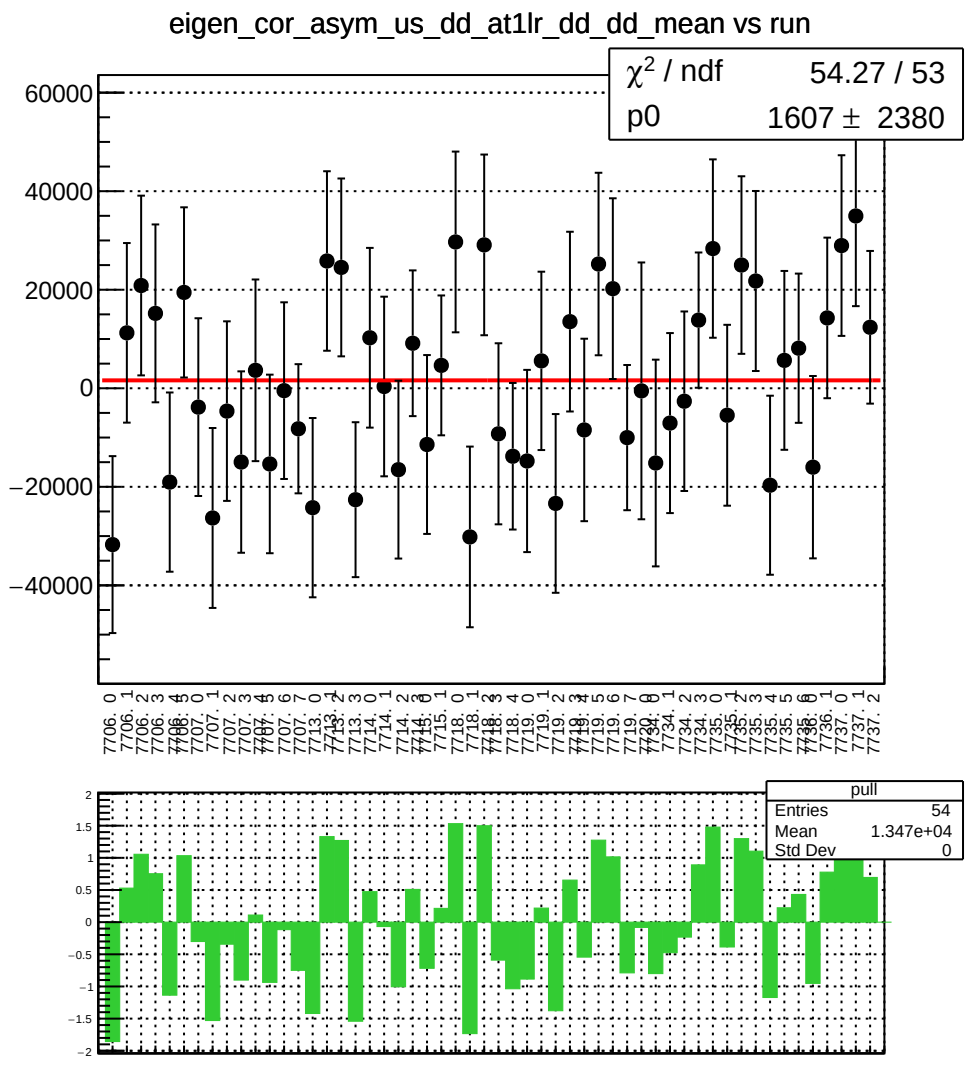

pull1D
Entries 54
Mean 0.0003121
Std Dev 1.002

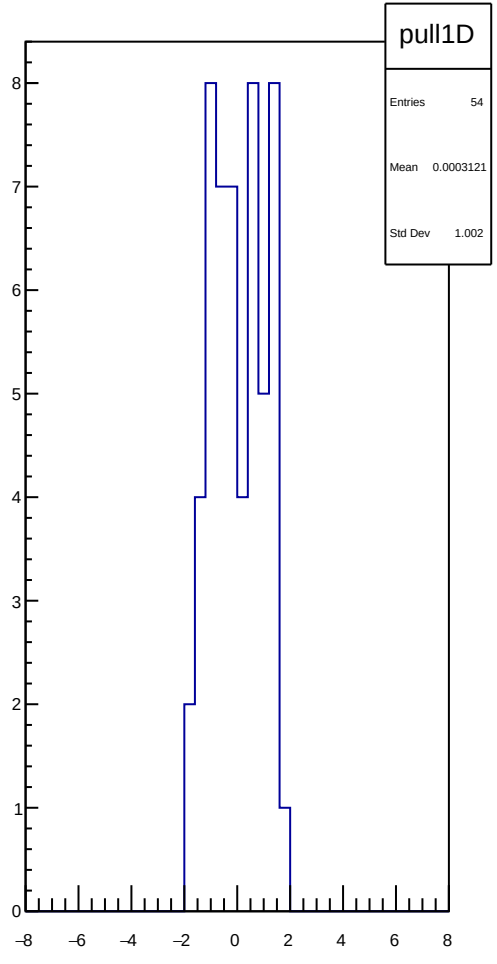

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 367.7 / 53
p0 1734 ± 1.683
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

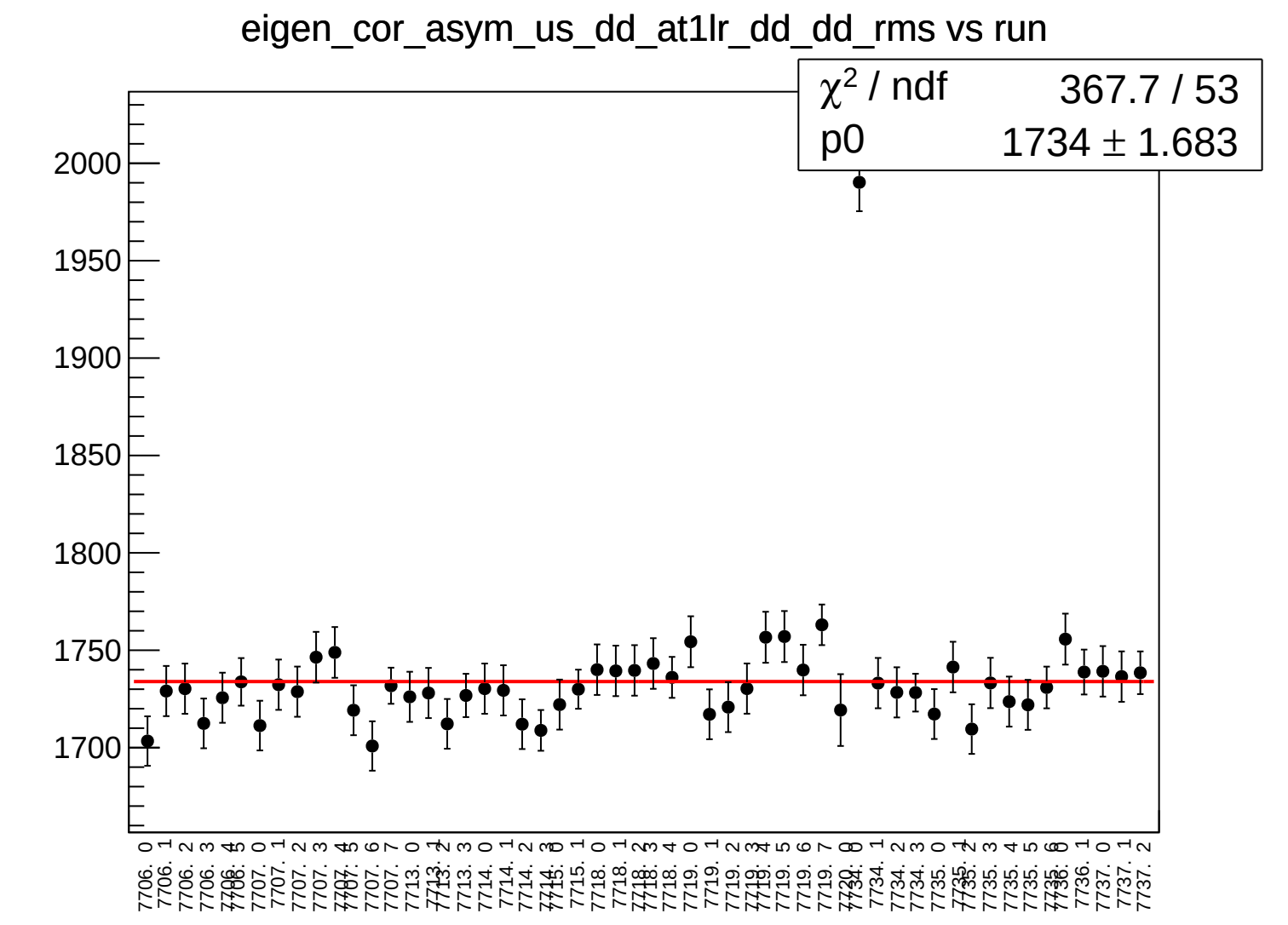

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 30.48 / 53
p0 561.7 ± 3474
100
50
0
−50
−100
pull
Entries 54
Mean −420.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

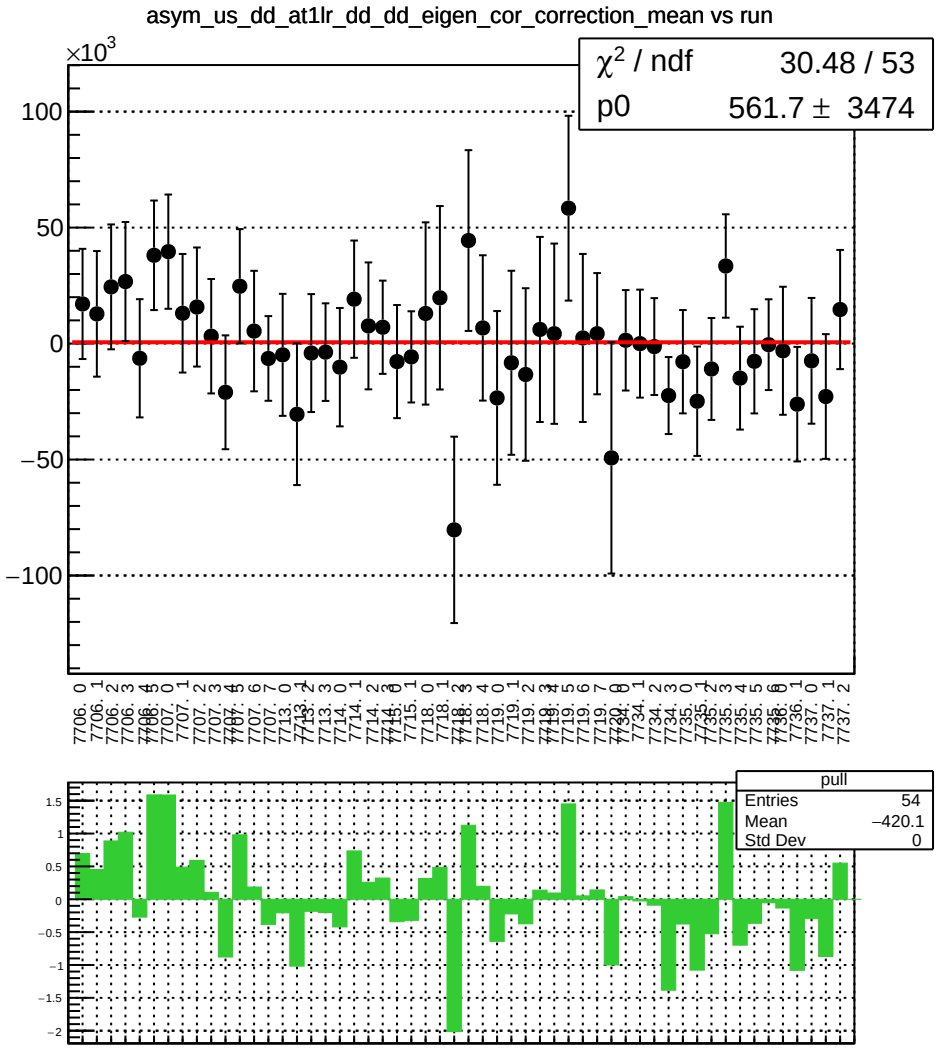

pull1D
Entries 54
Mean 0.009679
Std Dev 0.7512
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

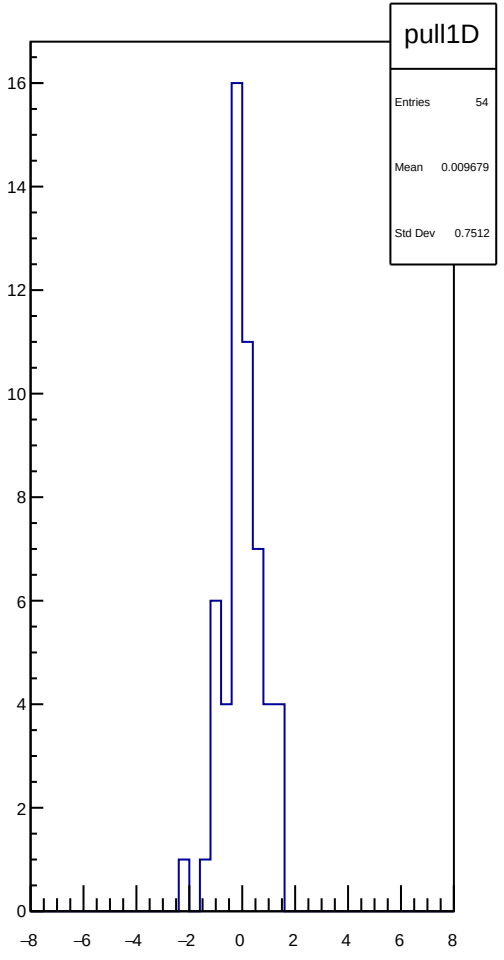

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3.439e+04 / 53
p0 2490 ± 2.457
4000
3500
3000
2500
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

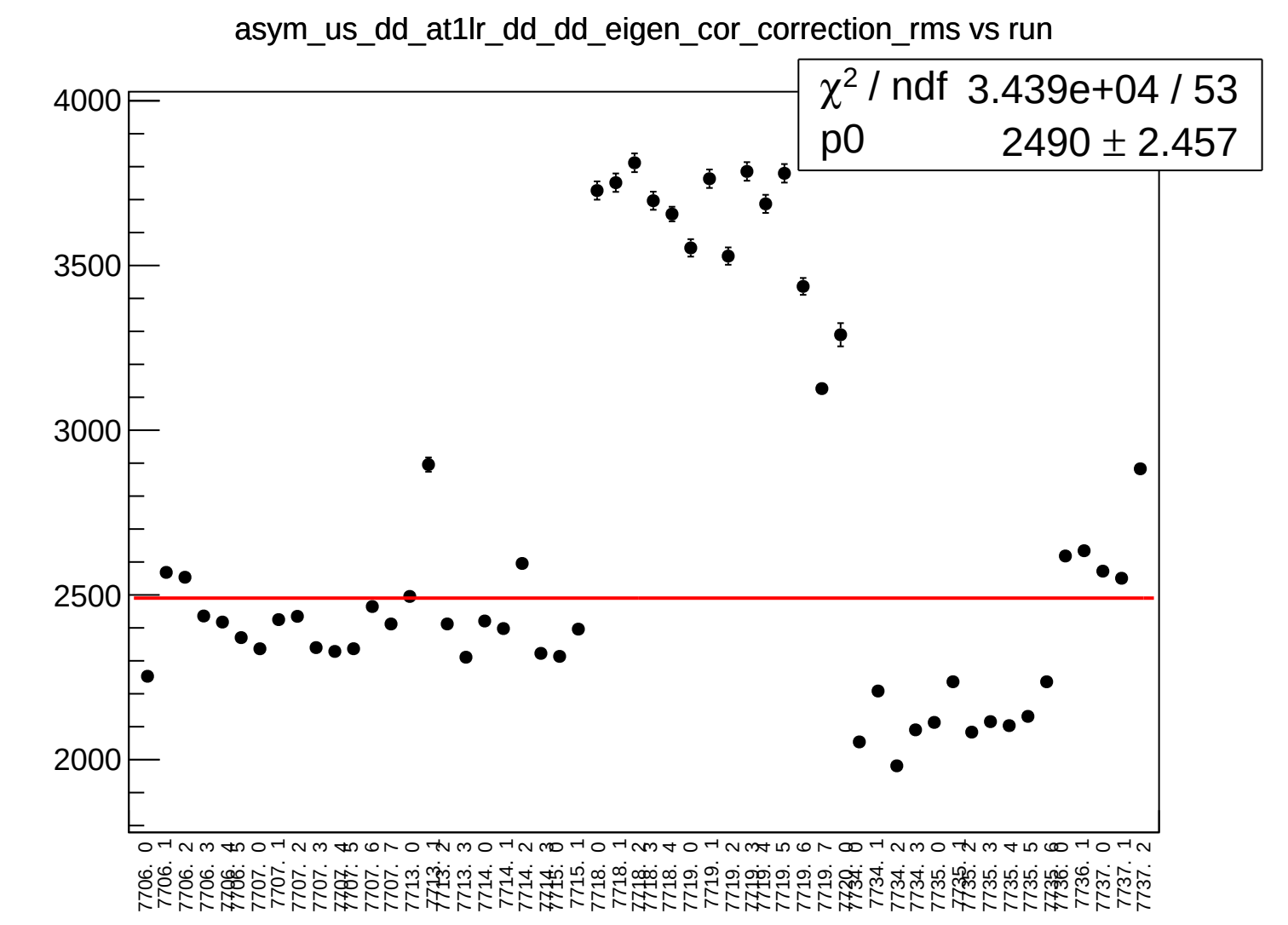

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 54.27 / 53
p0 1607 ± 2380
pull
Entries 54
Mean 1.347e+04
Std Dev 0

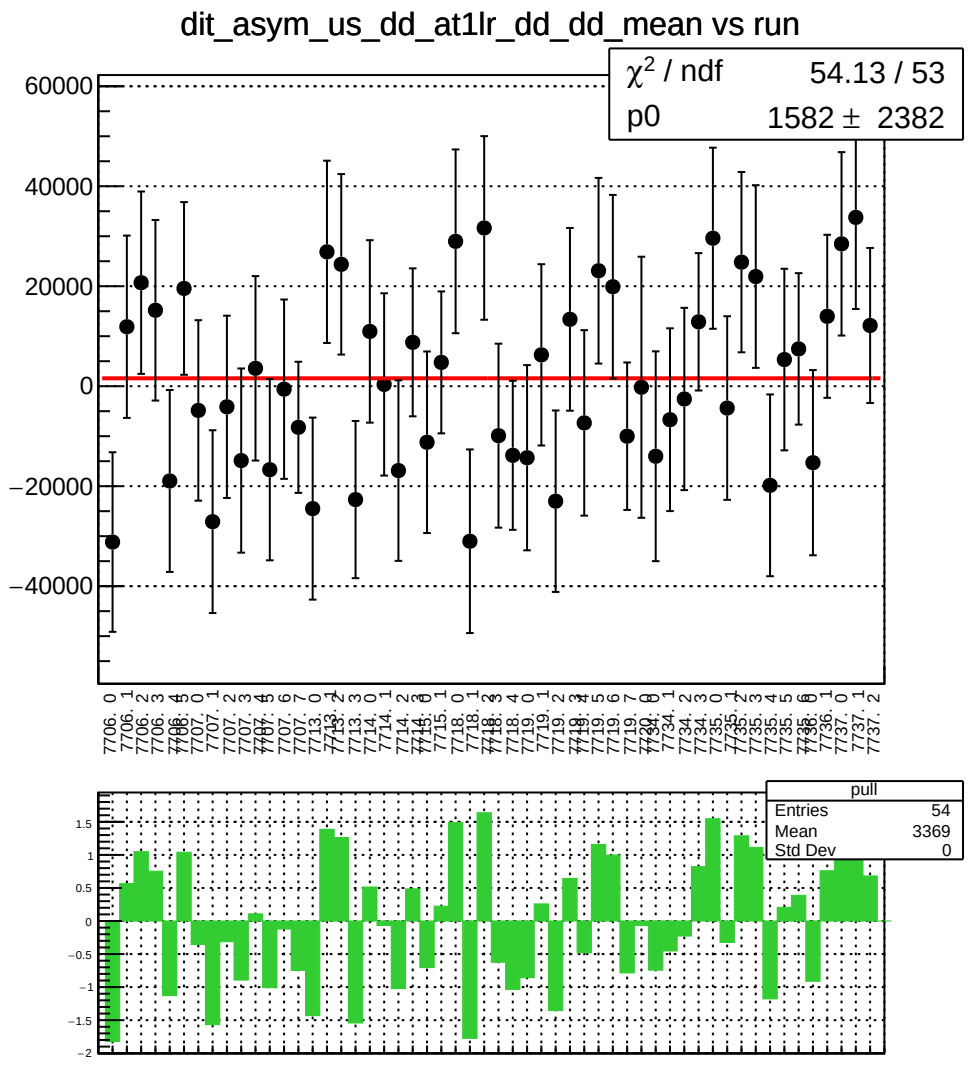

pull1D
Entries 54
Mean 0.0003121
Std Dev 1.002

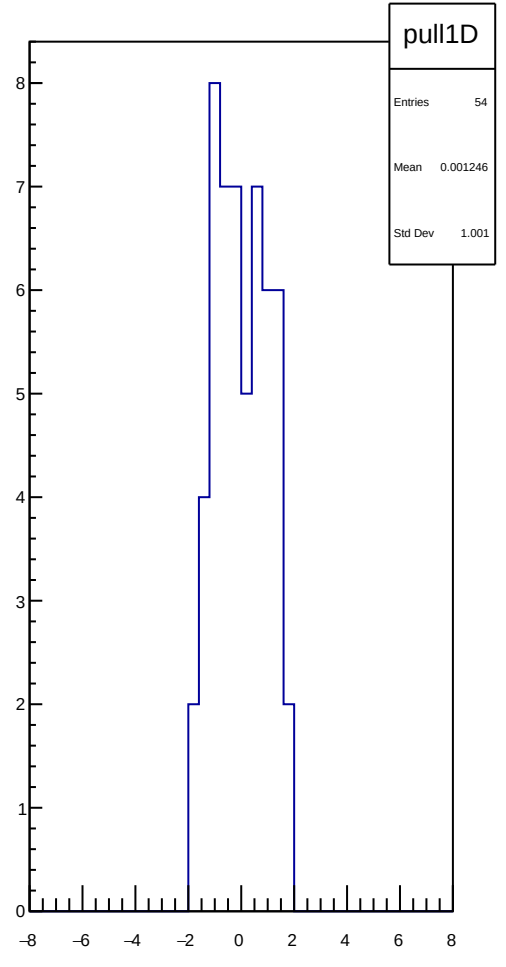

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 367.7 / 53
p0 1734 ± 1.683
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

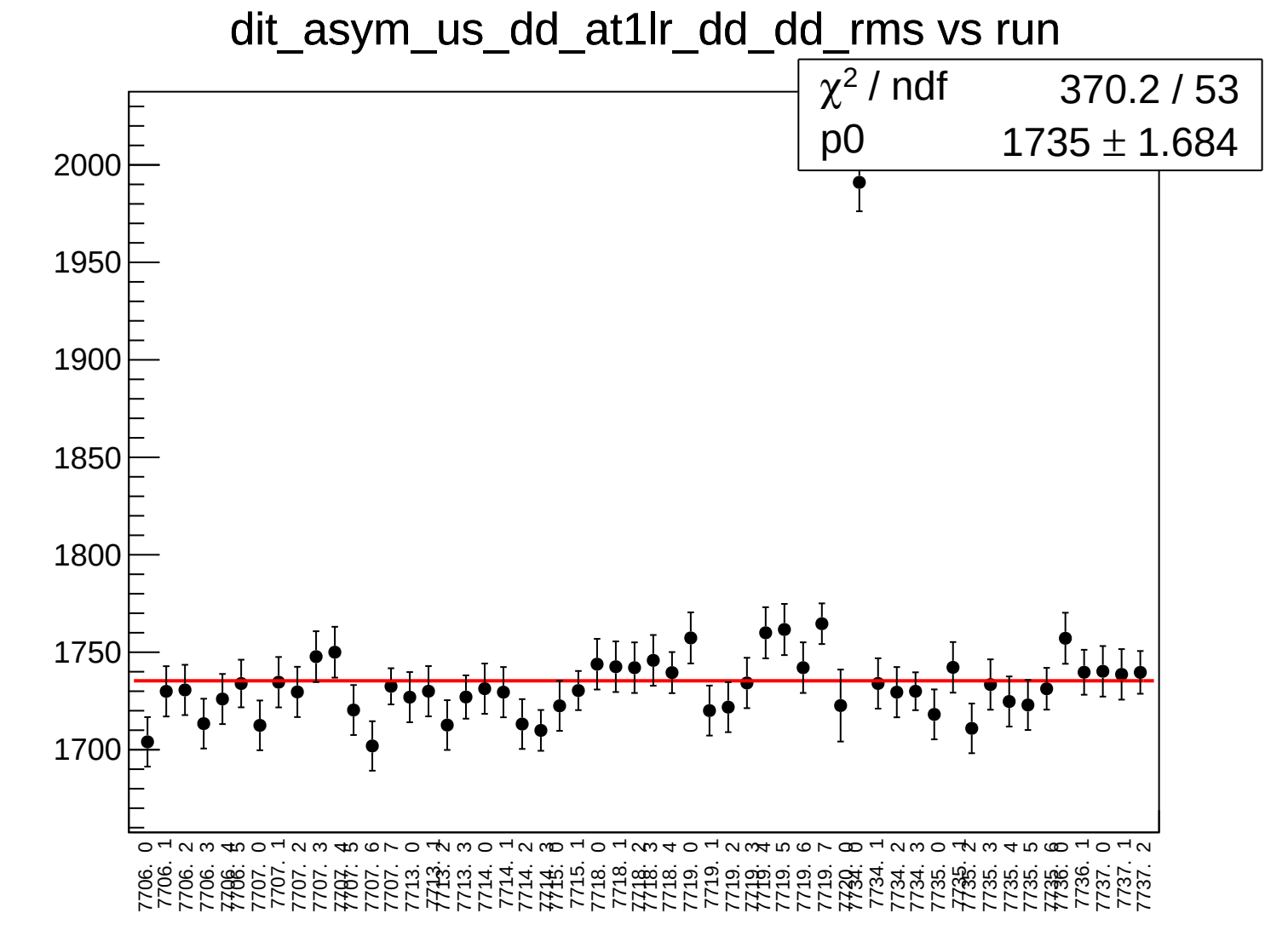

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.48 / 53
p0 561.7 ± 3474
100
50
0
−50
−100
pull
Entries 54
Mean −420.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

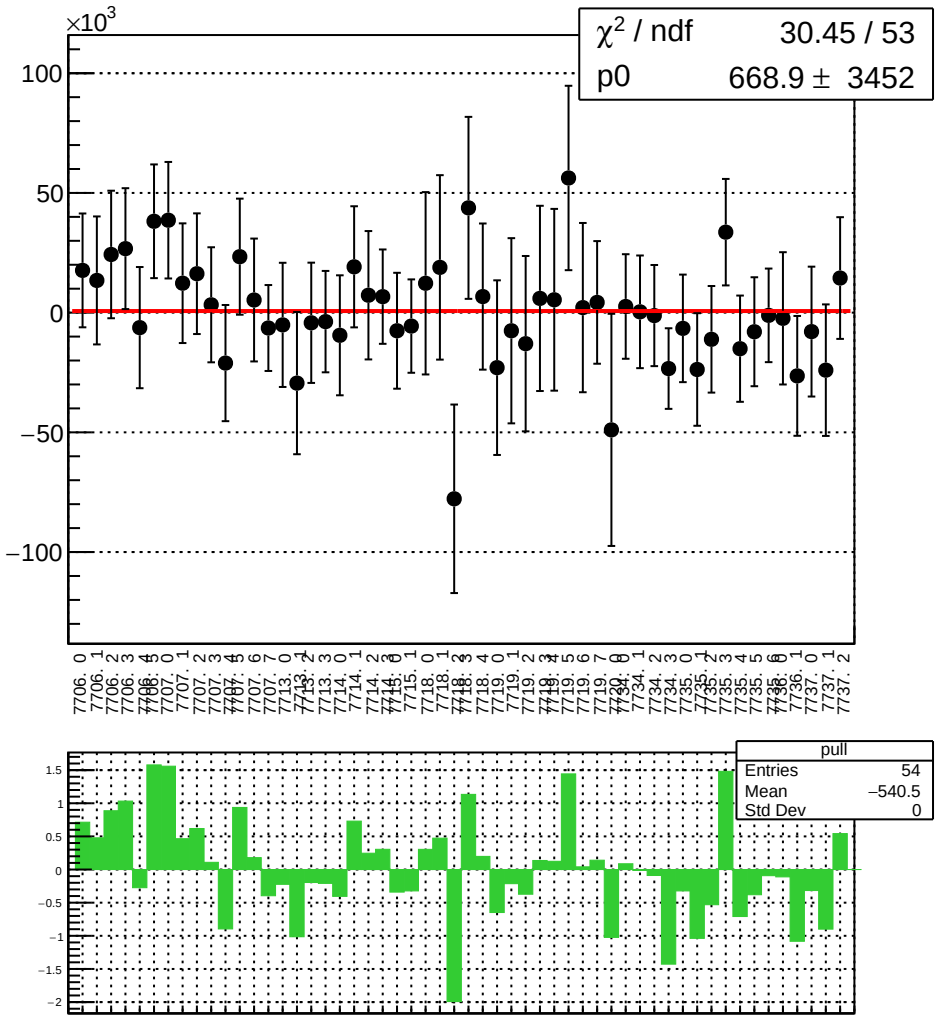

pull1D
Entries 54
Mean 0.009679
Std Dev 0.7512
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

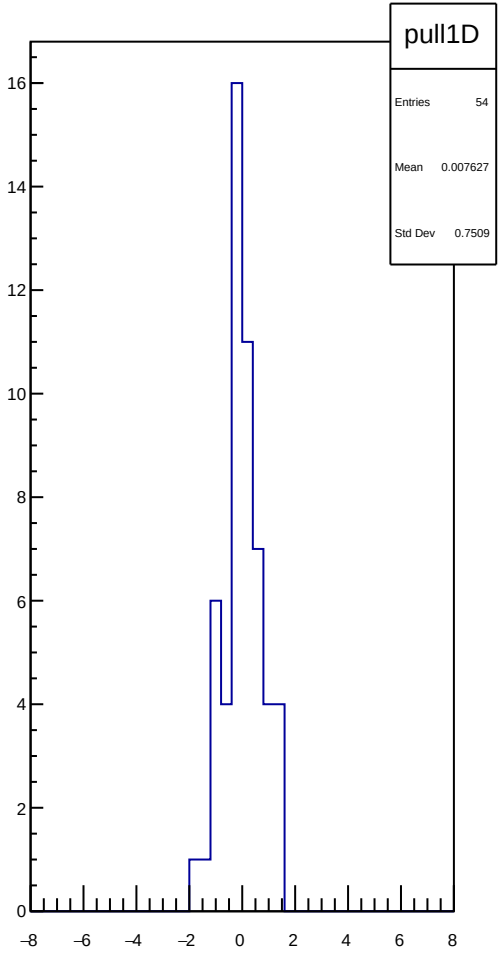

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.439e+04 / 53
p0 2490 ± 2.457
4000
3500
3000
2500
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

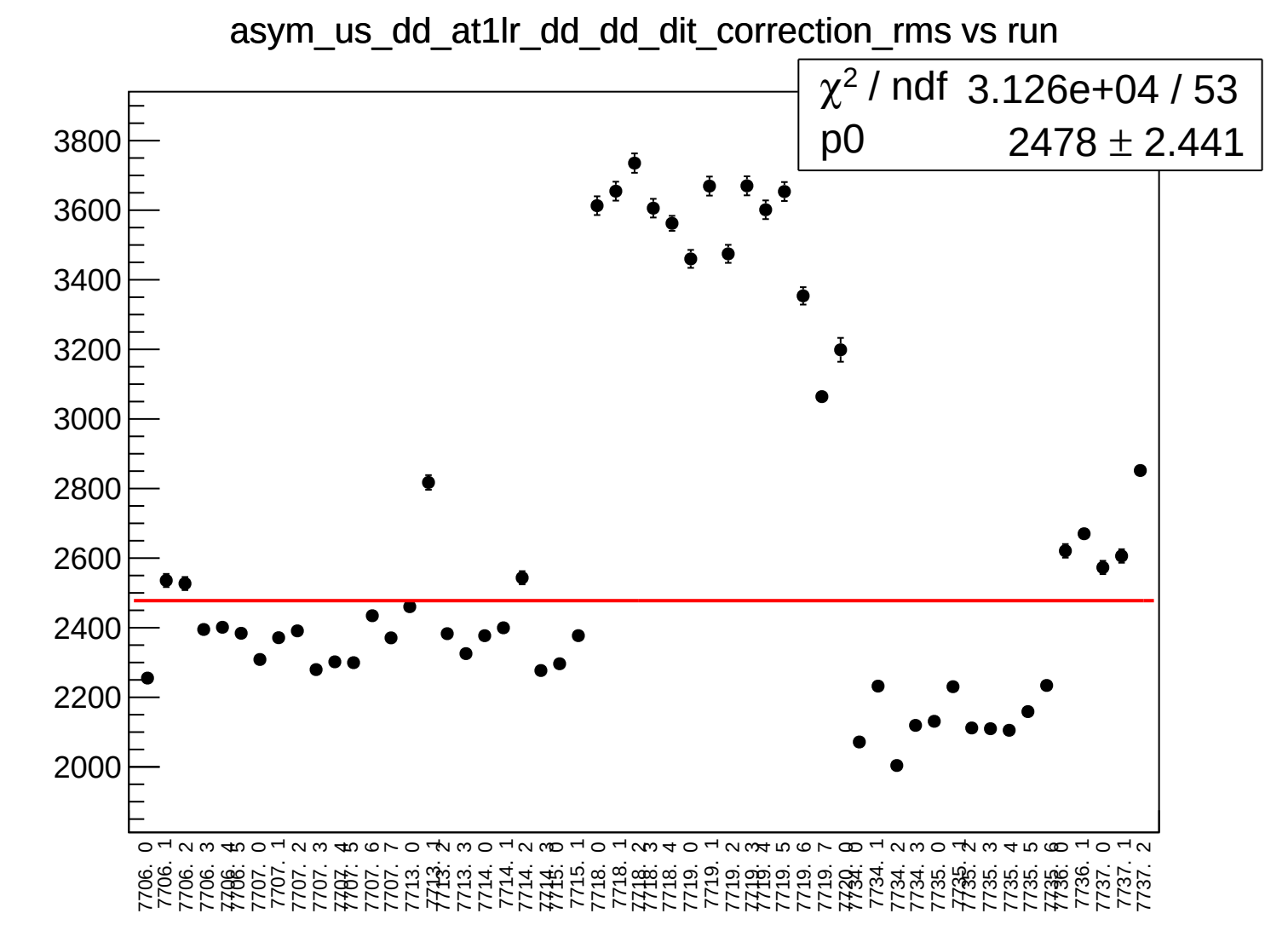

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 54.13 / 53
p0 1582 ± 2382
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 3369
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

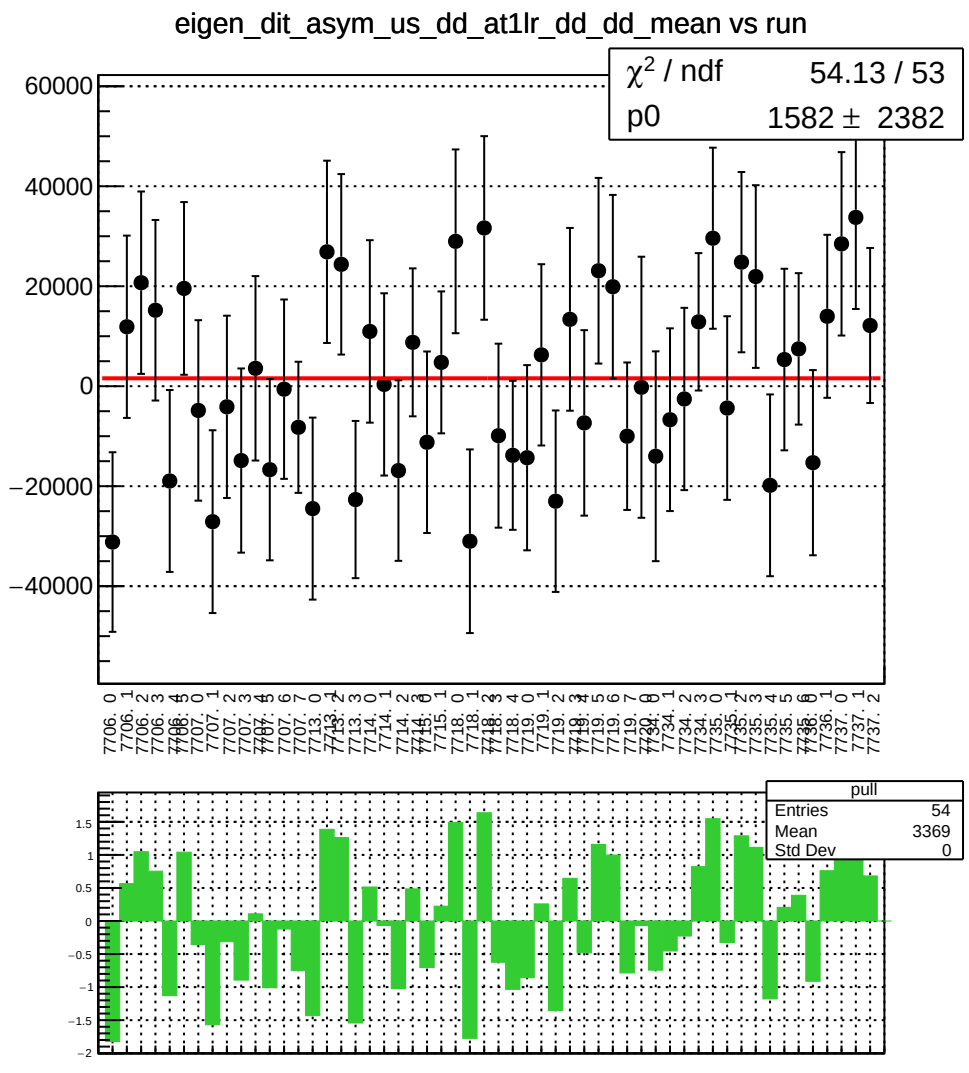

pull1D
Entries 54
Mean 0.001246
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

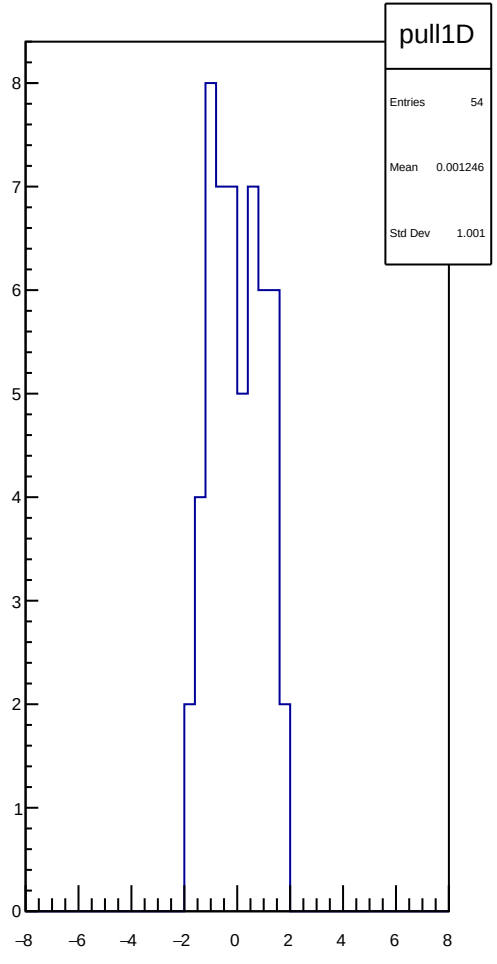

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 370.2 / 53
p0 1735 ± 1.684
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 3
7714. 0
7714. 1
7714. 2
7715. 1
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 2
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

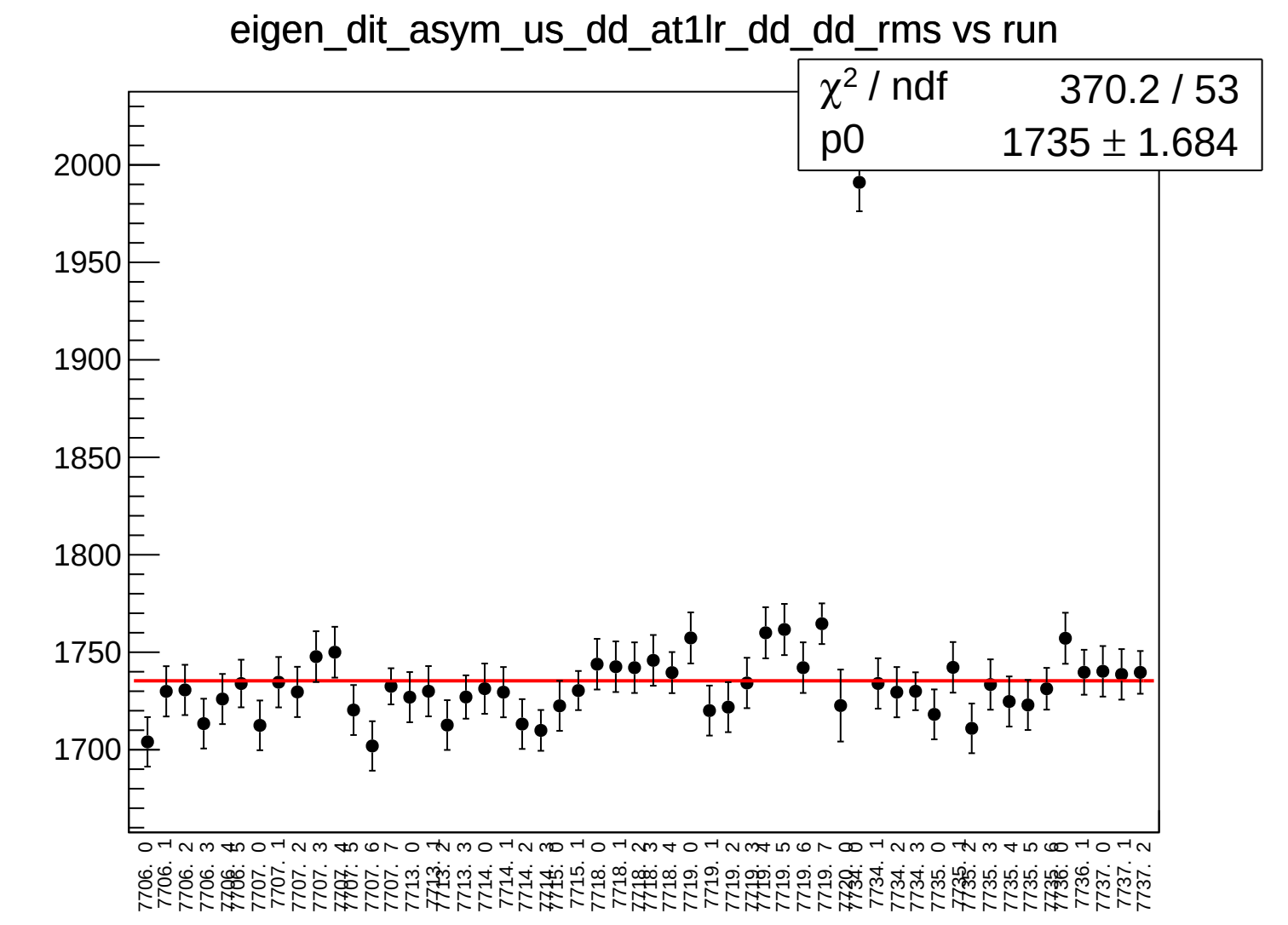

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 30.45 / 53
p0 668.9 ± 3452
100
50
0
−50
−100
pull
Entries 54
Mean −540.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

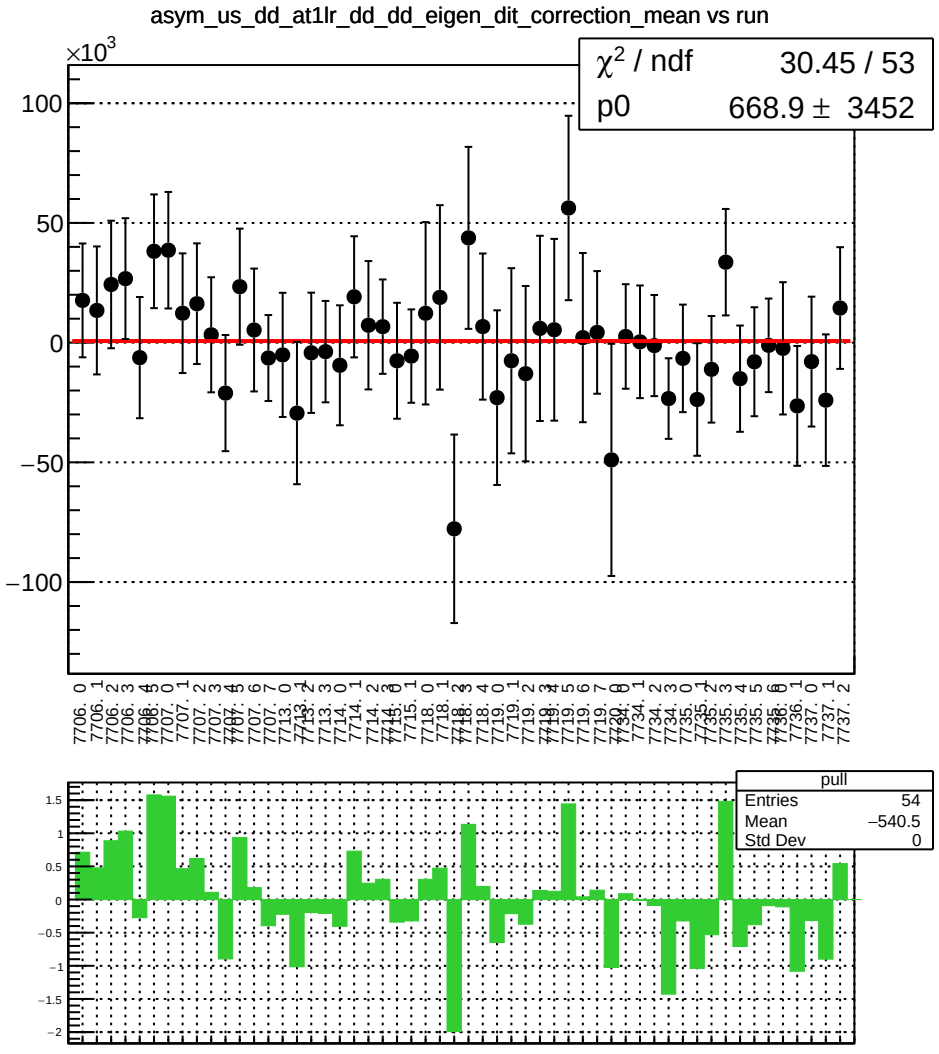

pull1D
Entries 54
Mean 0.007627
Std Dev 0.7509
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

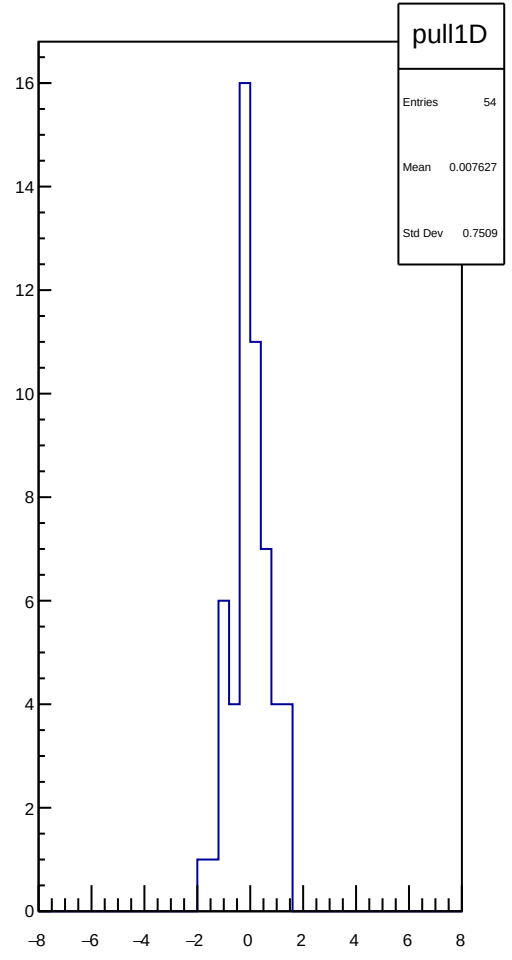

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3.126e+04 / 53
p0 2478 ± 2.441
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

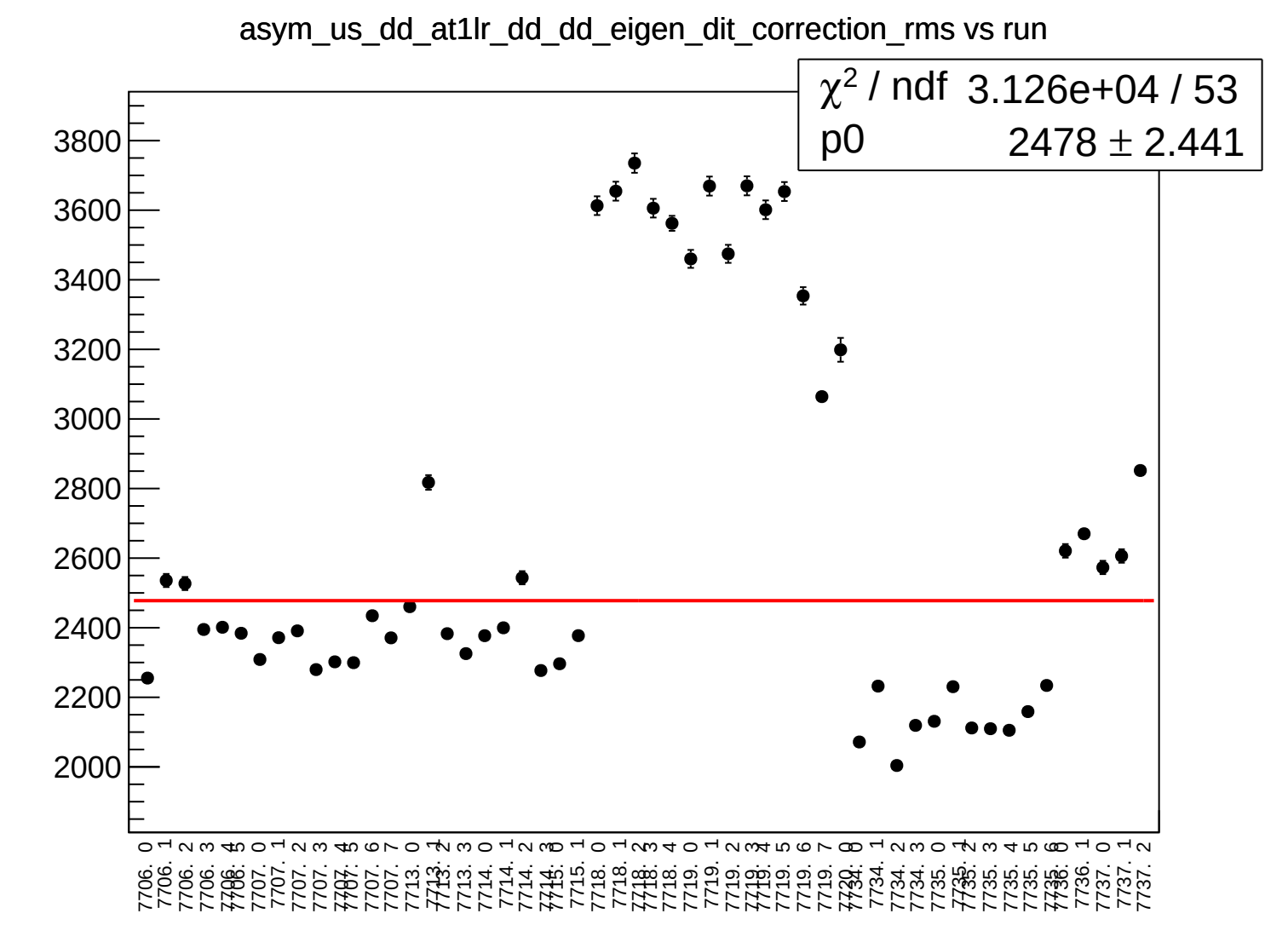

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 54.13 / 53
p0 1582 ± 2382
pull
Entries 54
Mean 3369
Std Dev 0

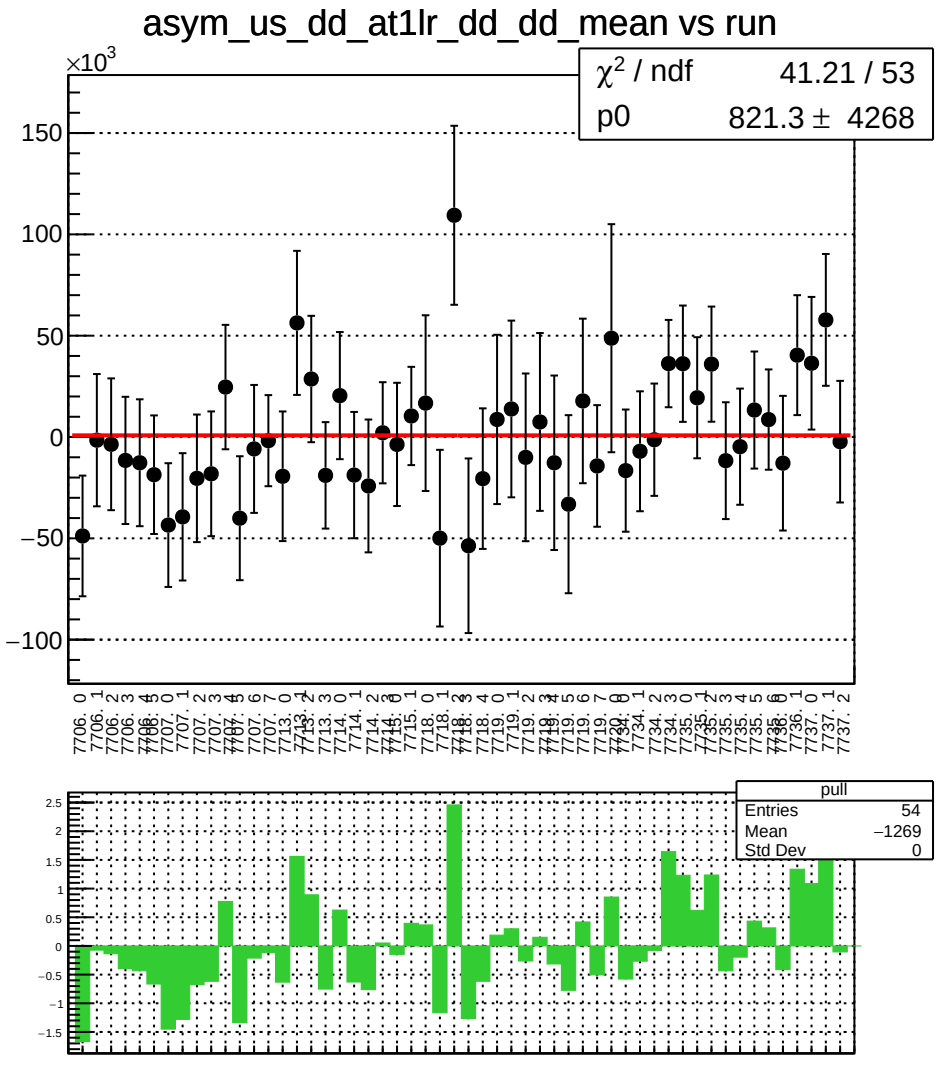

pull1D
Entries 54
Mean 0.001246
Std Dev 1.001

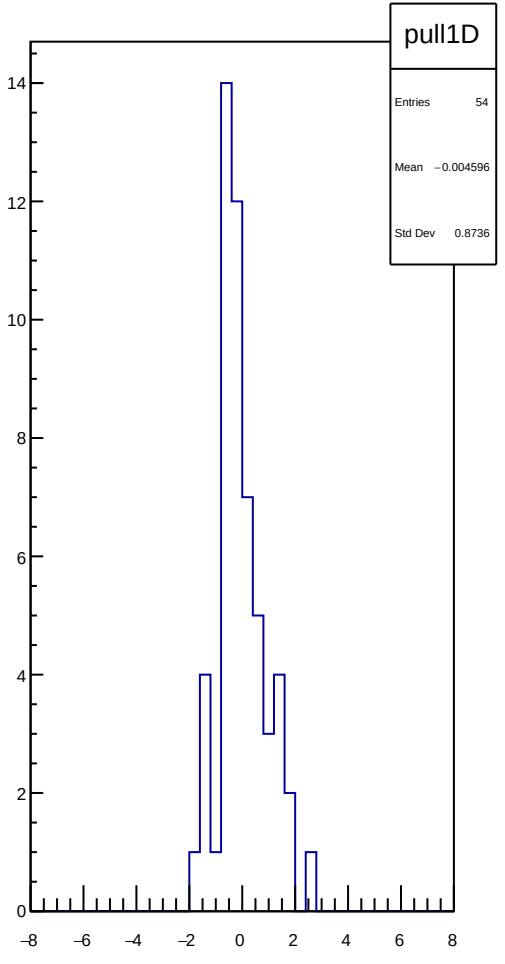

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 370.2 / 53
p0 1735 ± 1.684
2000
1950
1900
1850
1800
1750
1700

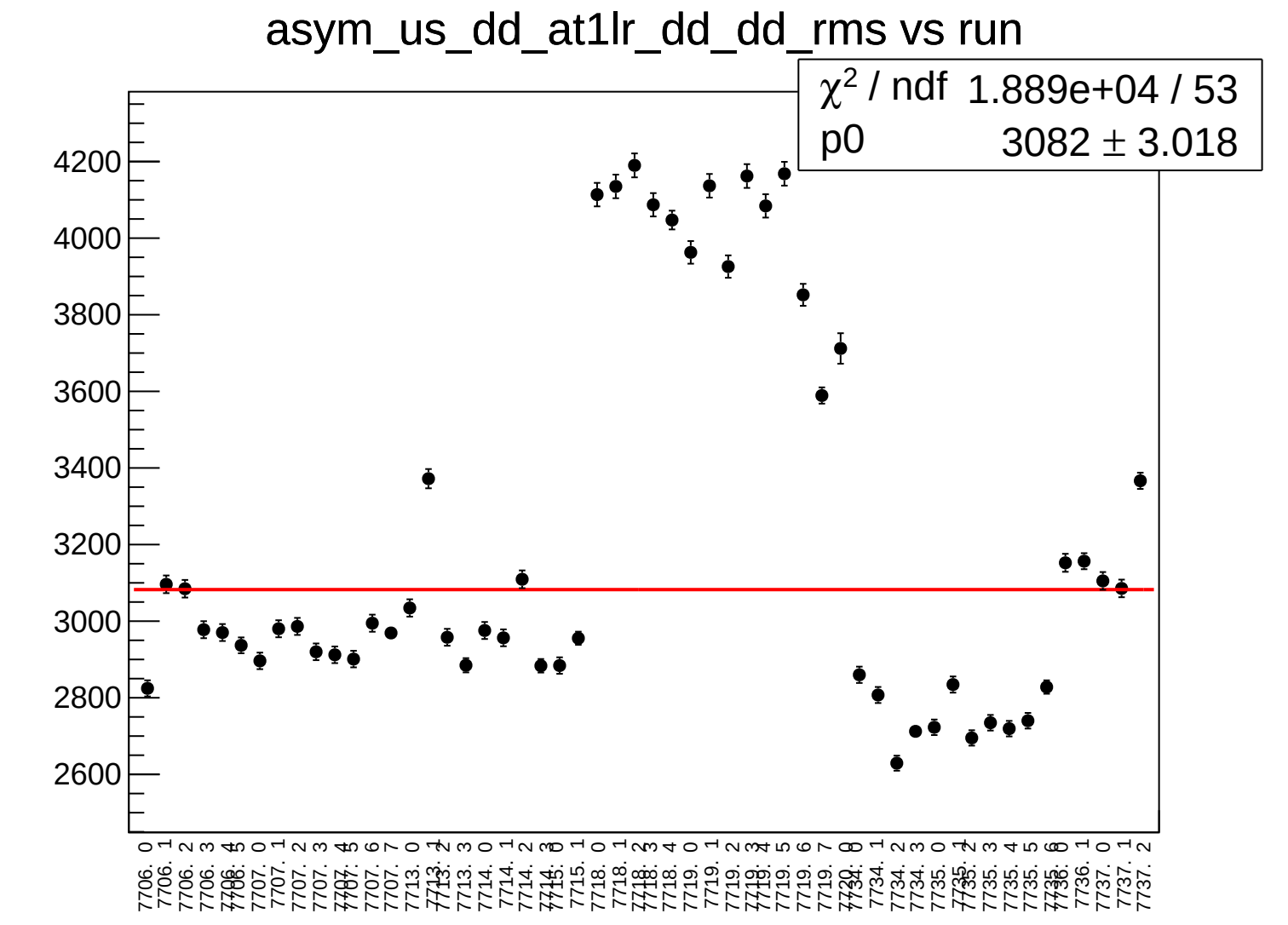

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 30.45 / 53
p0 668.9 ± 3452
100
50
0
−50
−100
pull
Entries 54
Mean −540.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

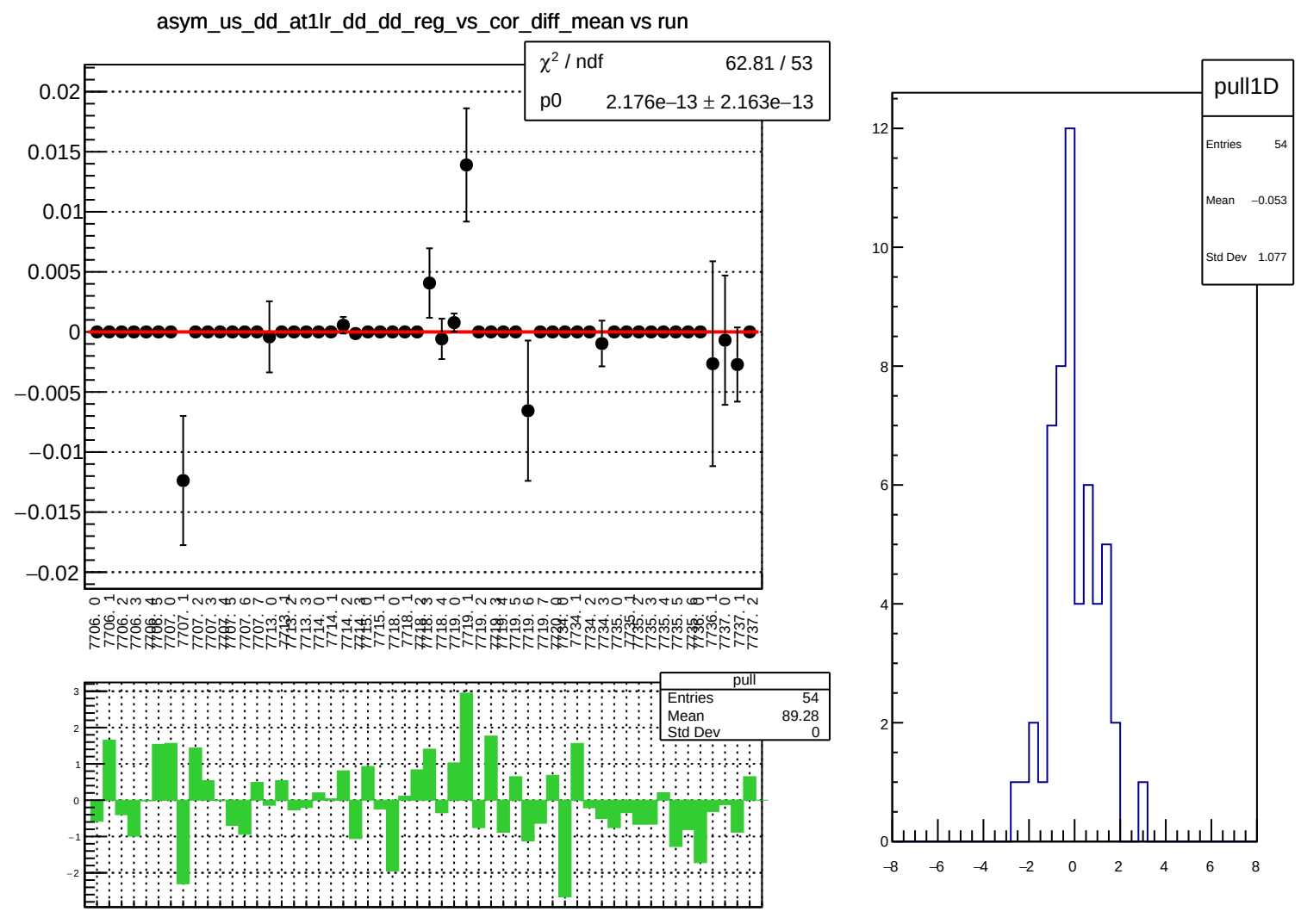

pull1D
Entries 54
Mean 0.007627
Std Dev 0.7509
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

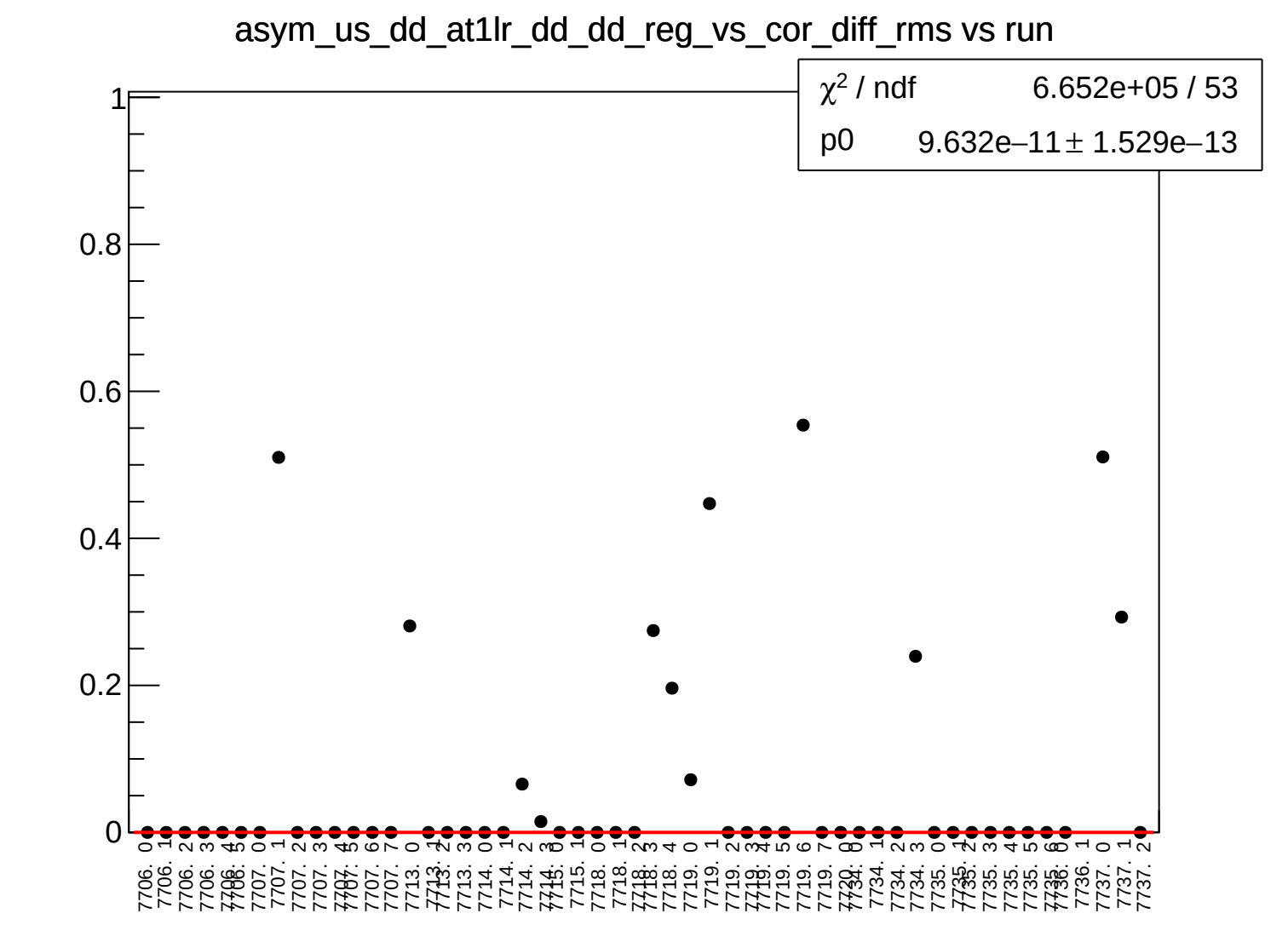

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.126e+04 / 53
p0 2478 ± 2.441
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

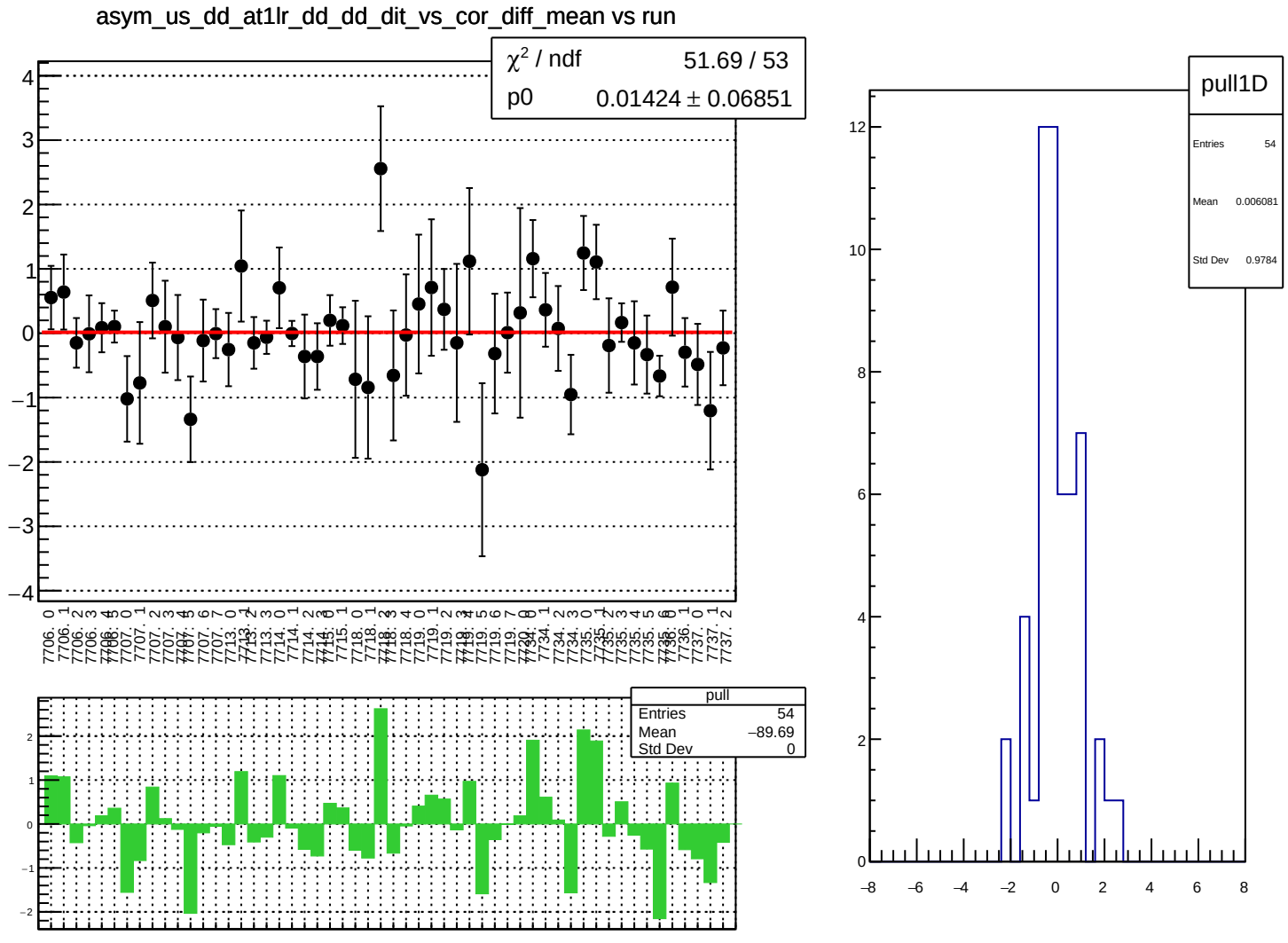

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ^2 / ndf 41.21 / 53
p0 821.3 ± 4268
150
100
50
0
−50
−100
pull
Entries 54
Mean −1269
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

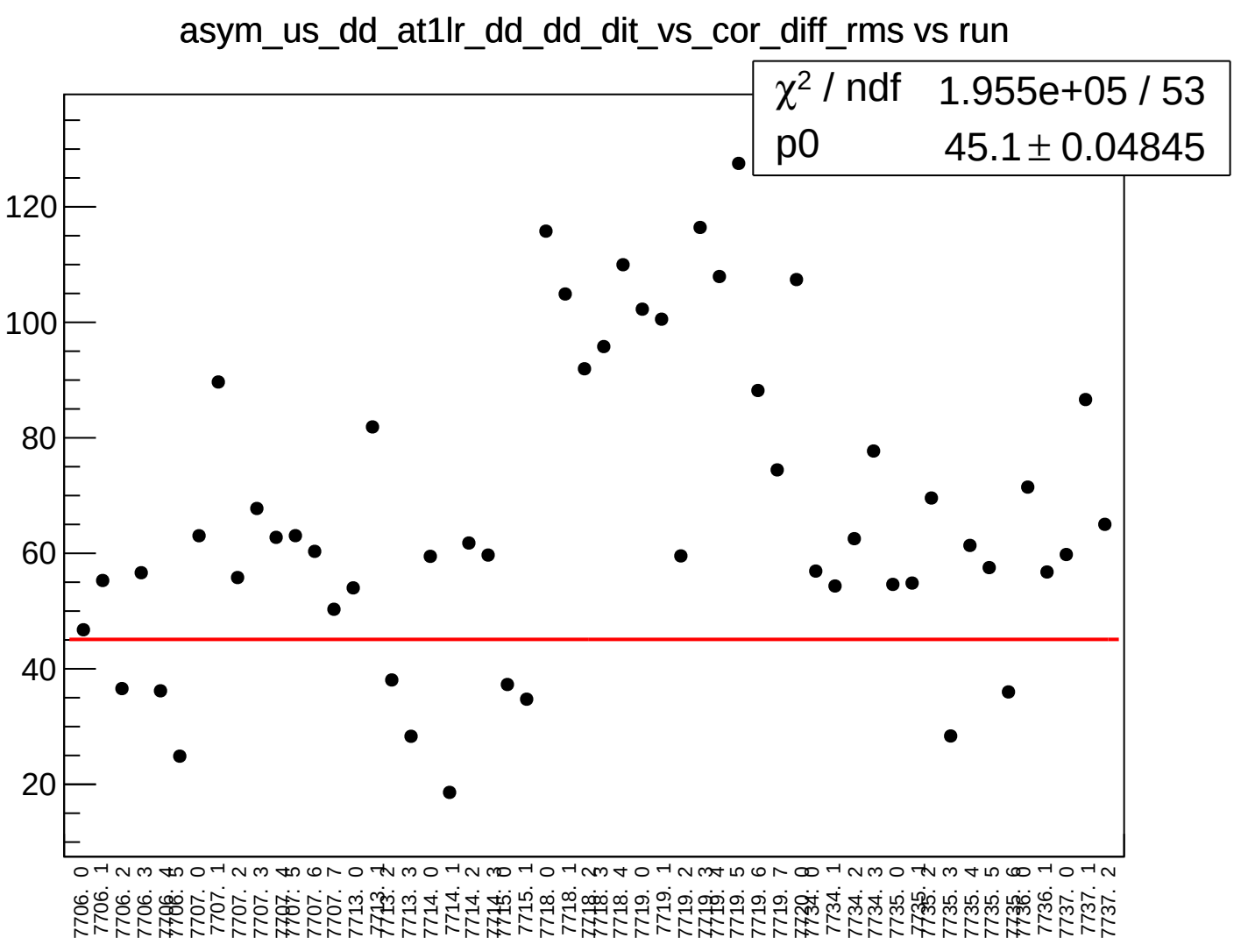

pull1D
Entries 54
Mean −0.004596
Std Dev 0.8736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

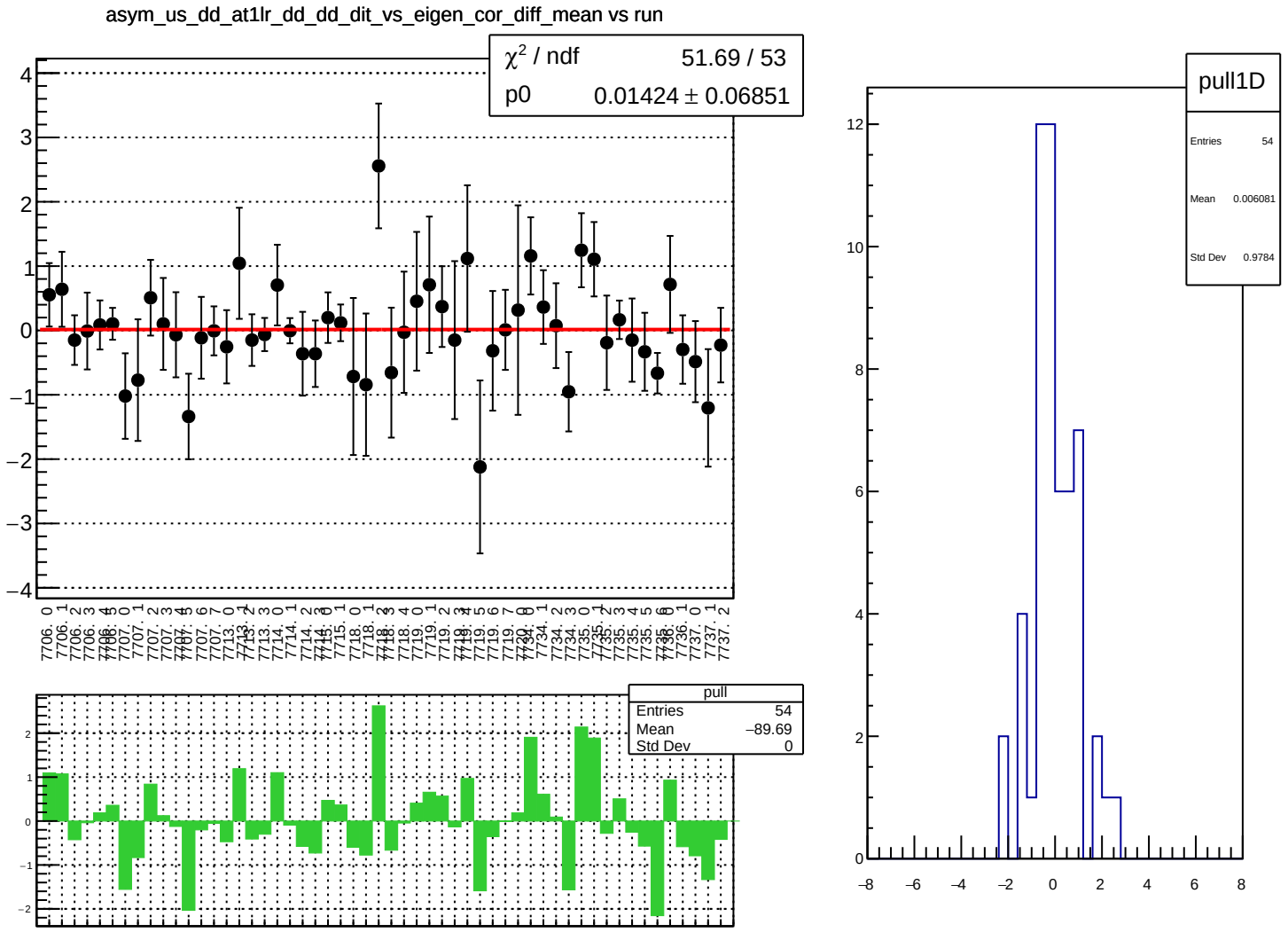

asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 1.889e+04 / 53
p0 3082 ± 3.018
4200
4000
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

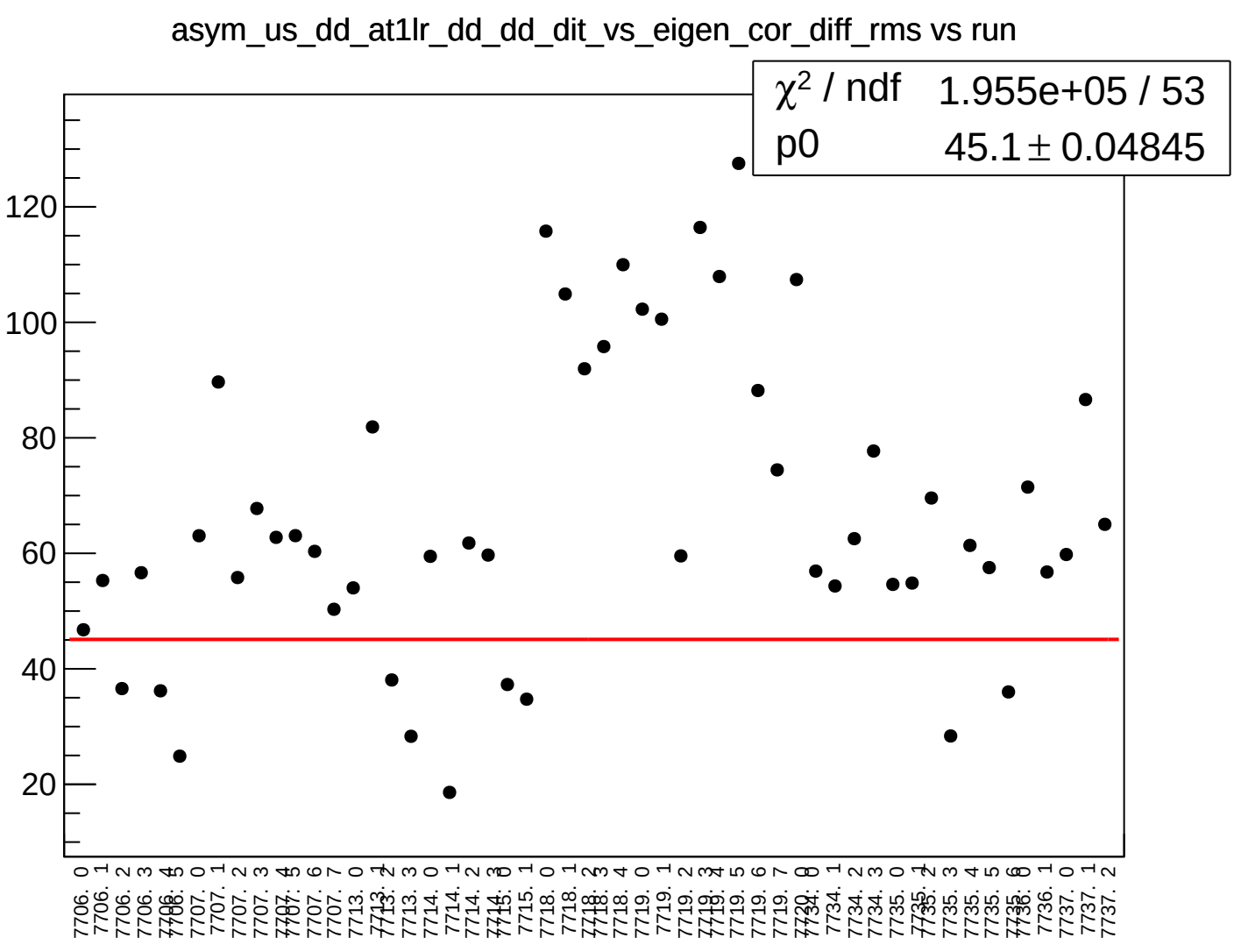

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 62.81 / 53
p0 2.176e−13 ± 2.163e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 89.28
Std Dev 0
pull1D
Entries 54
Mean −0.053
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

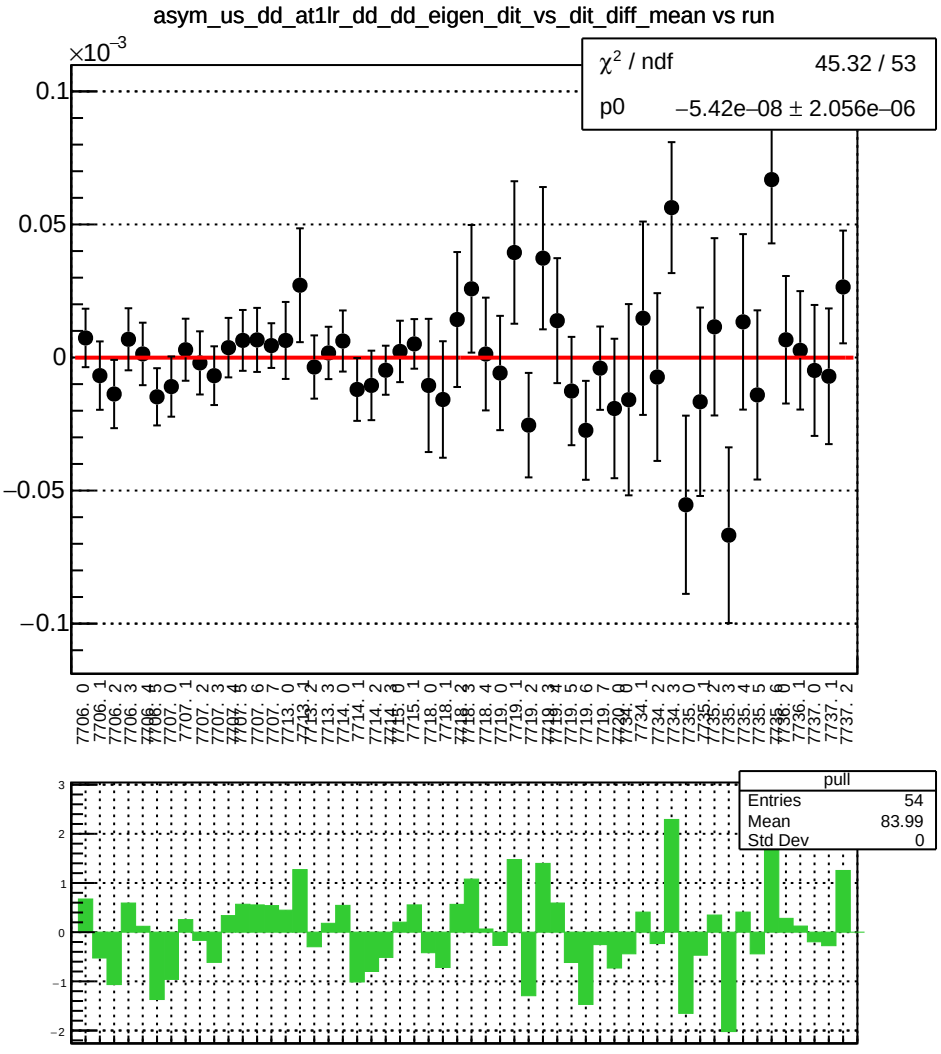

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.652e+05 / 53
p0 9.632e−11 ± 1.529e−13
1
0.8
0.6
0.4
0.2
0

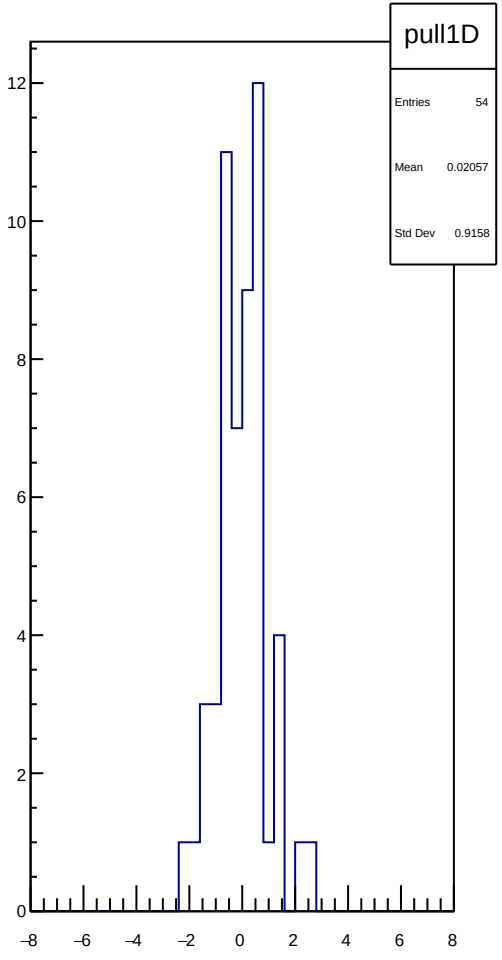

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.69 / 53
p0 0.01424 ± 0.06851
pull
Entries 54
Mean −89.69
Std Dev 0
pull1D
Entries 54
Mean 0.006081
Std Dev 0.9784

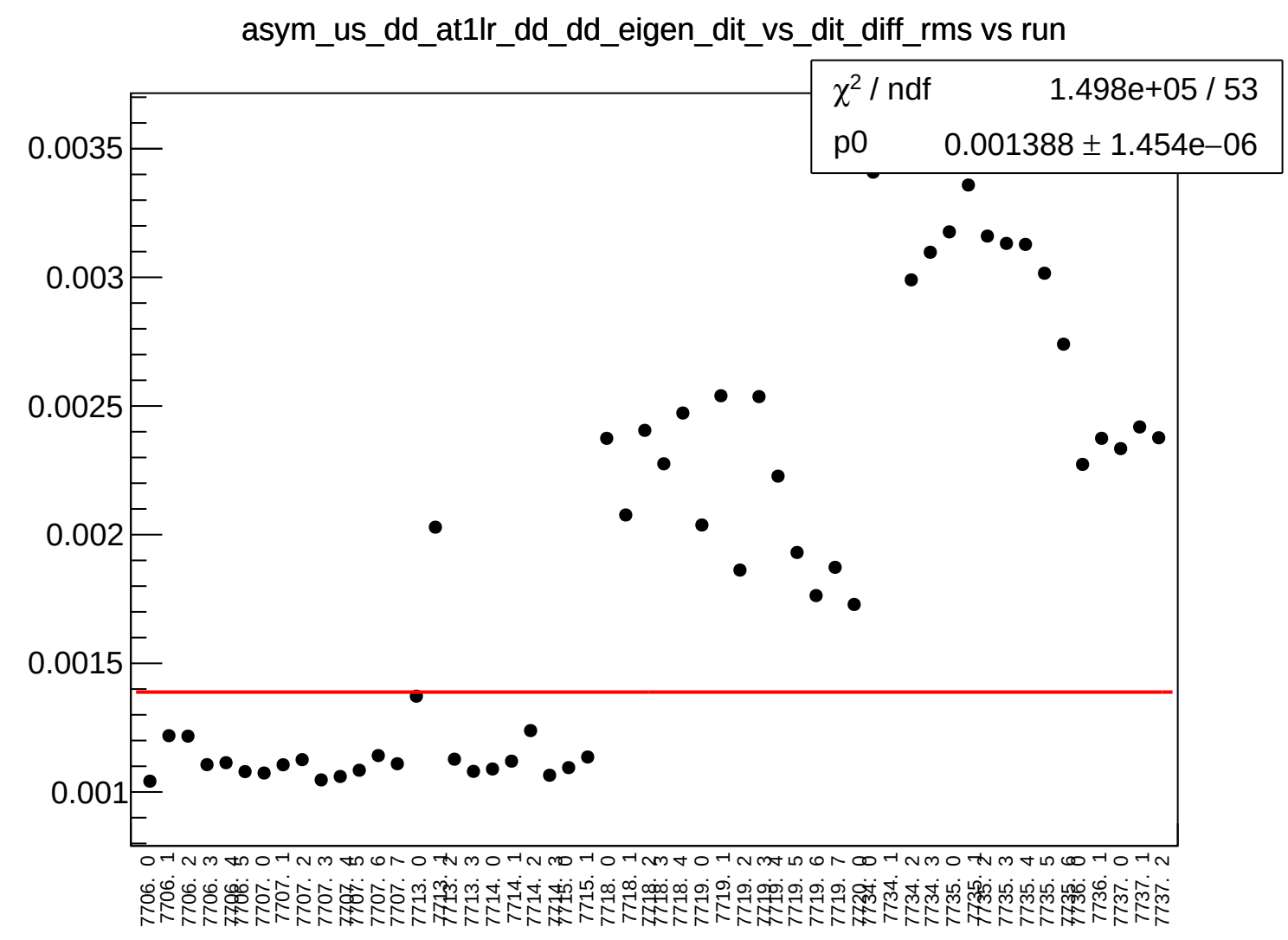

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 53
p0 45.1 ± 0.04845
120
100
80
60
40
20


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.69 / 53
p0 0.01424 ± 0.06851
pull
Entries 54
Mean −89.69
Std Dev 0
pull1D
Entries 54
Mean 0.006081
Std Dev 0.9784

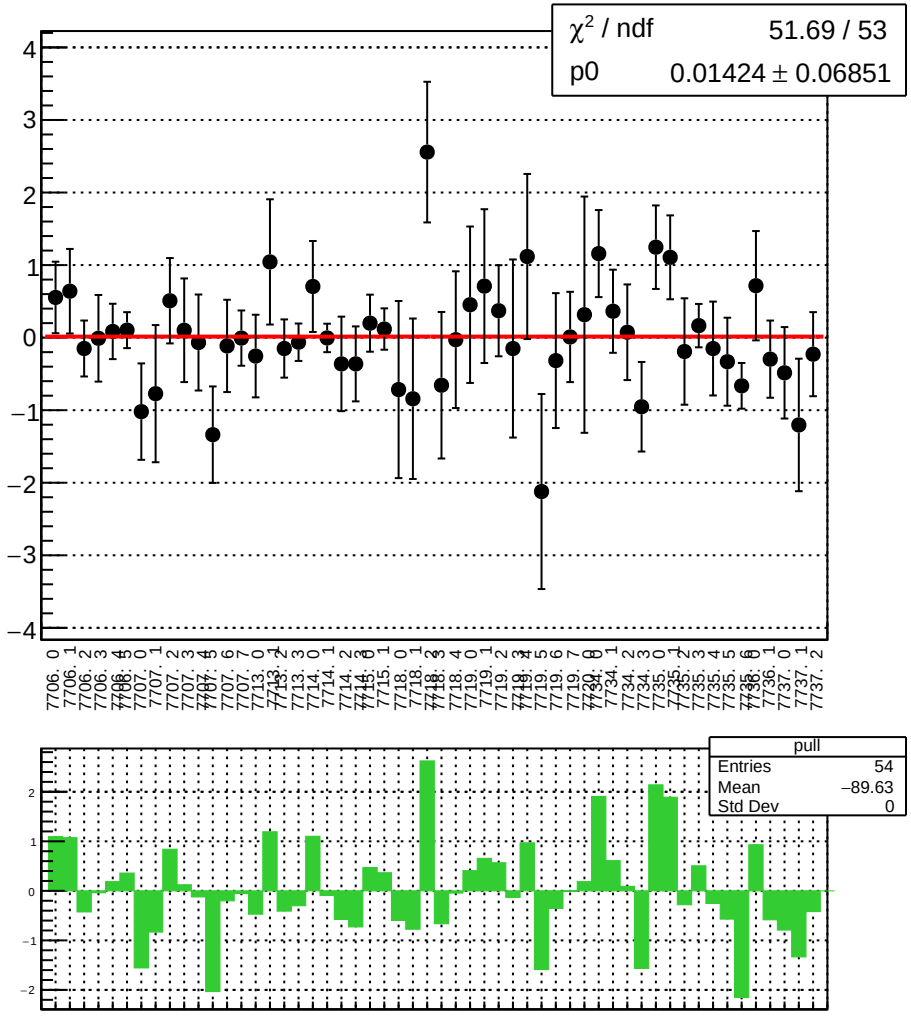

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 53
p0 45.1 ± 0.04845
120
100
80
60
40
20

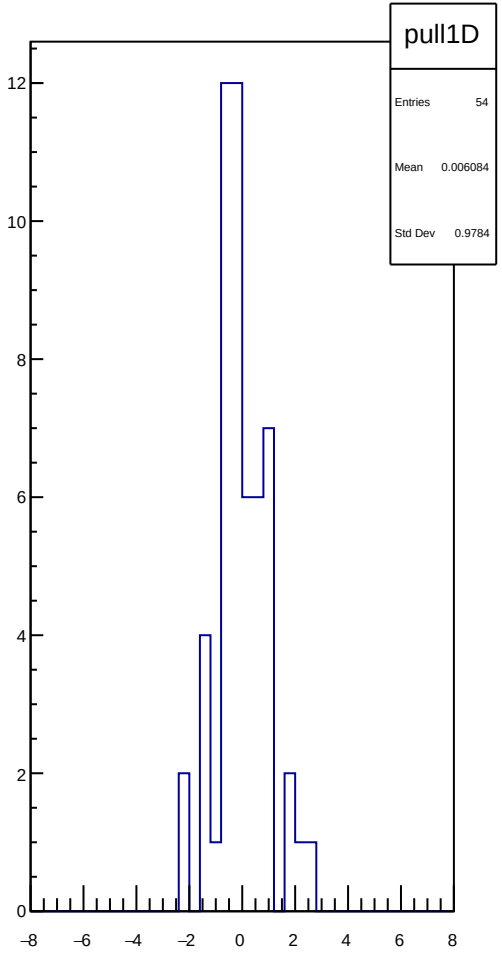

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 45.32 / 53
p0 −5.42e−08 ± 2.056e−06
pull
Entries 54
Mean 83.99
Std Dev 0

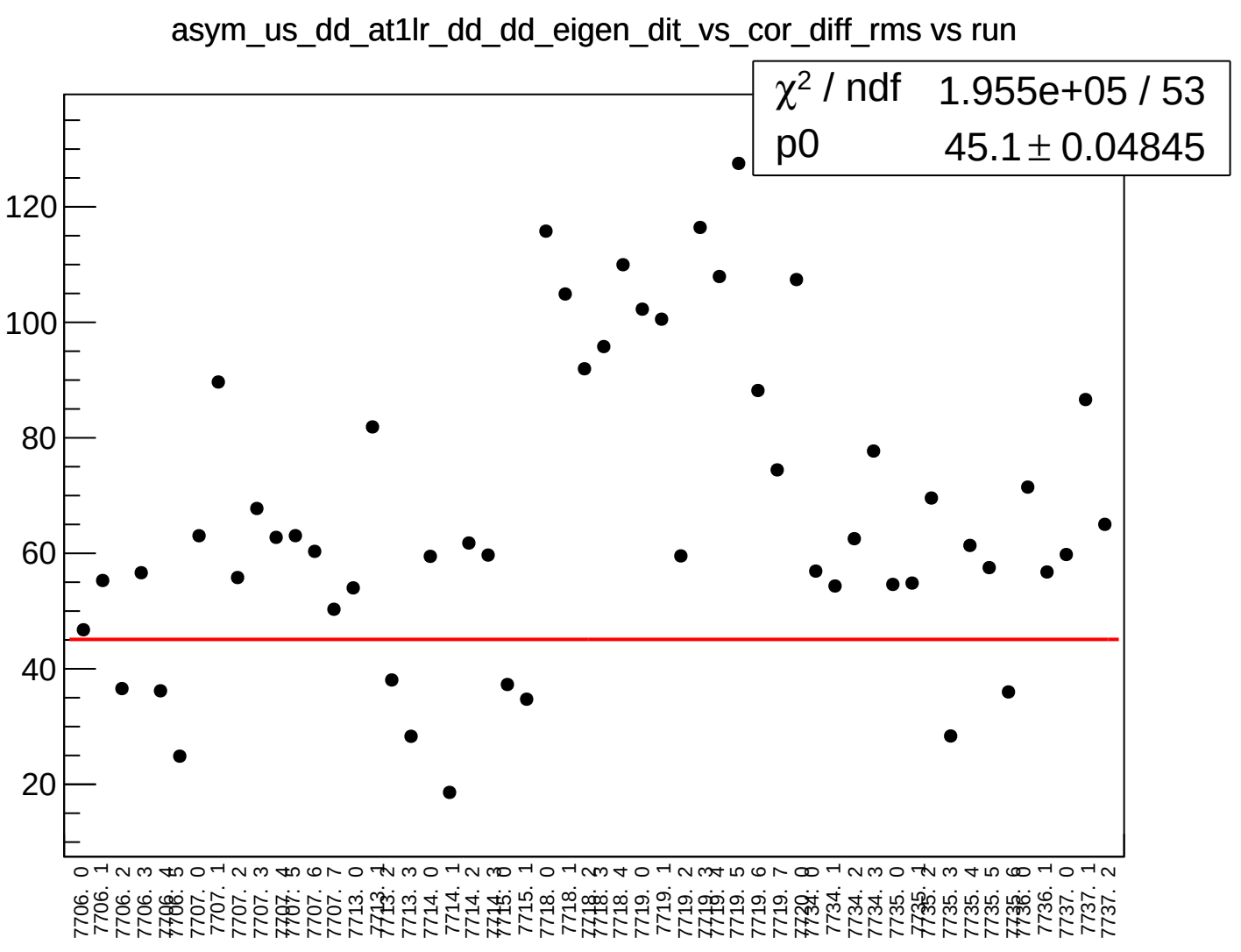

pull1D
Entries 54
Mean 0.02057
Std Dev 0.9158


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.498e+05 / 53
p0 0.001388 ± 1.454e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

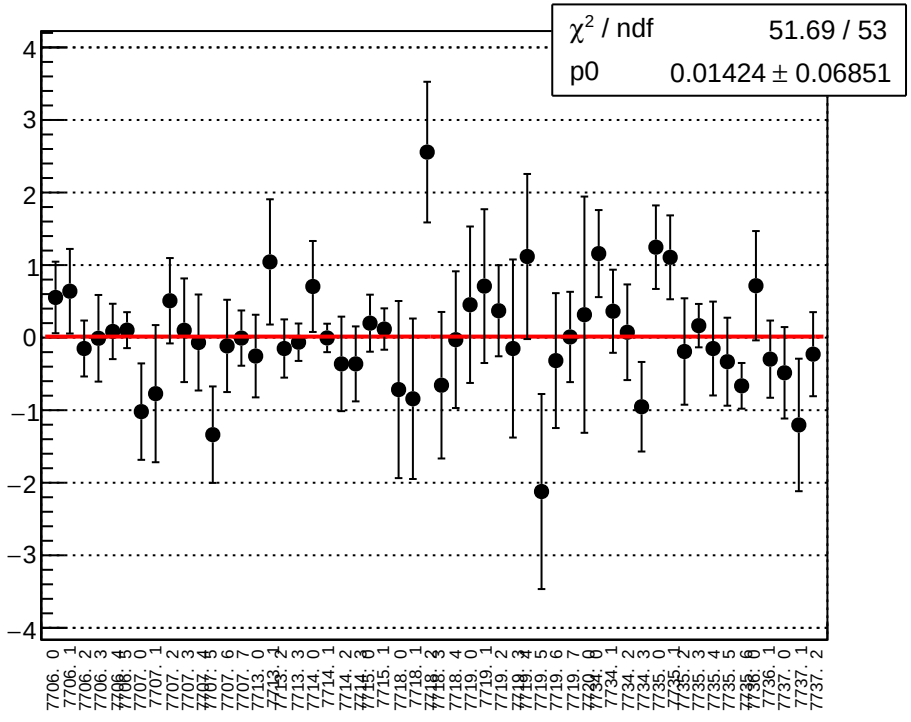
asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run

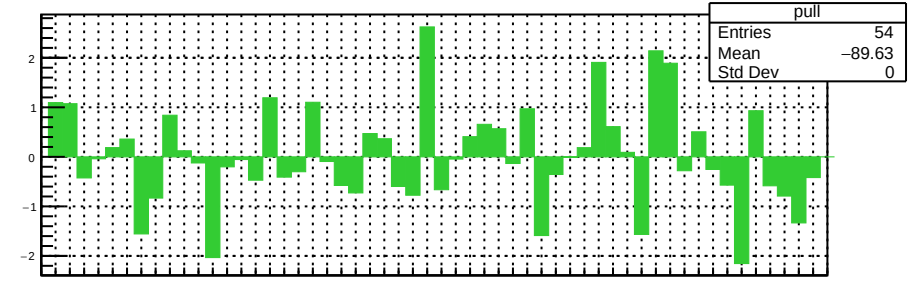


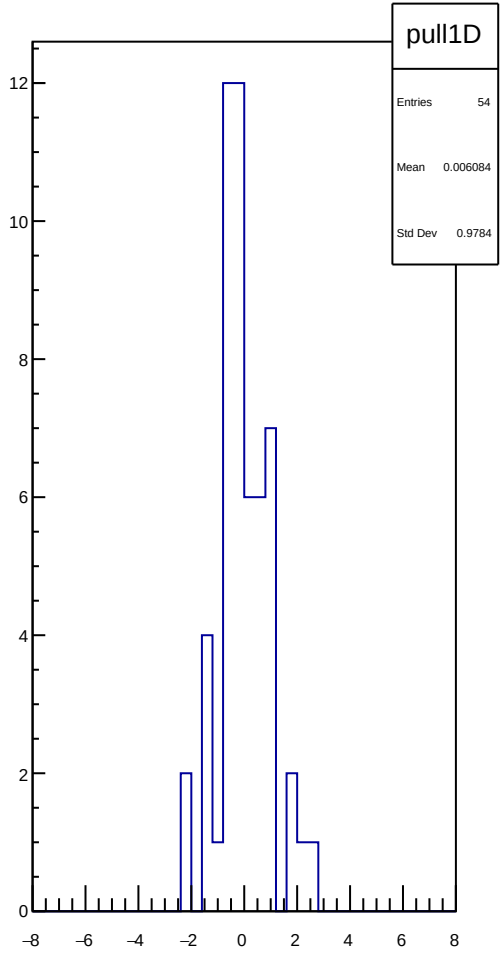


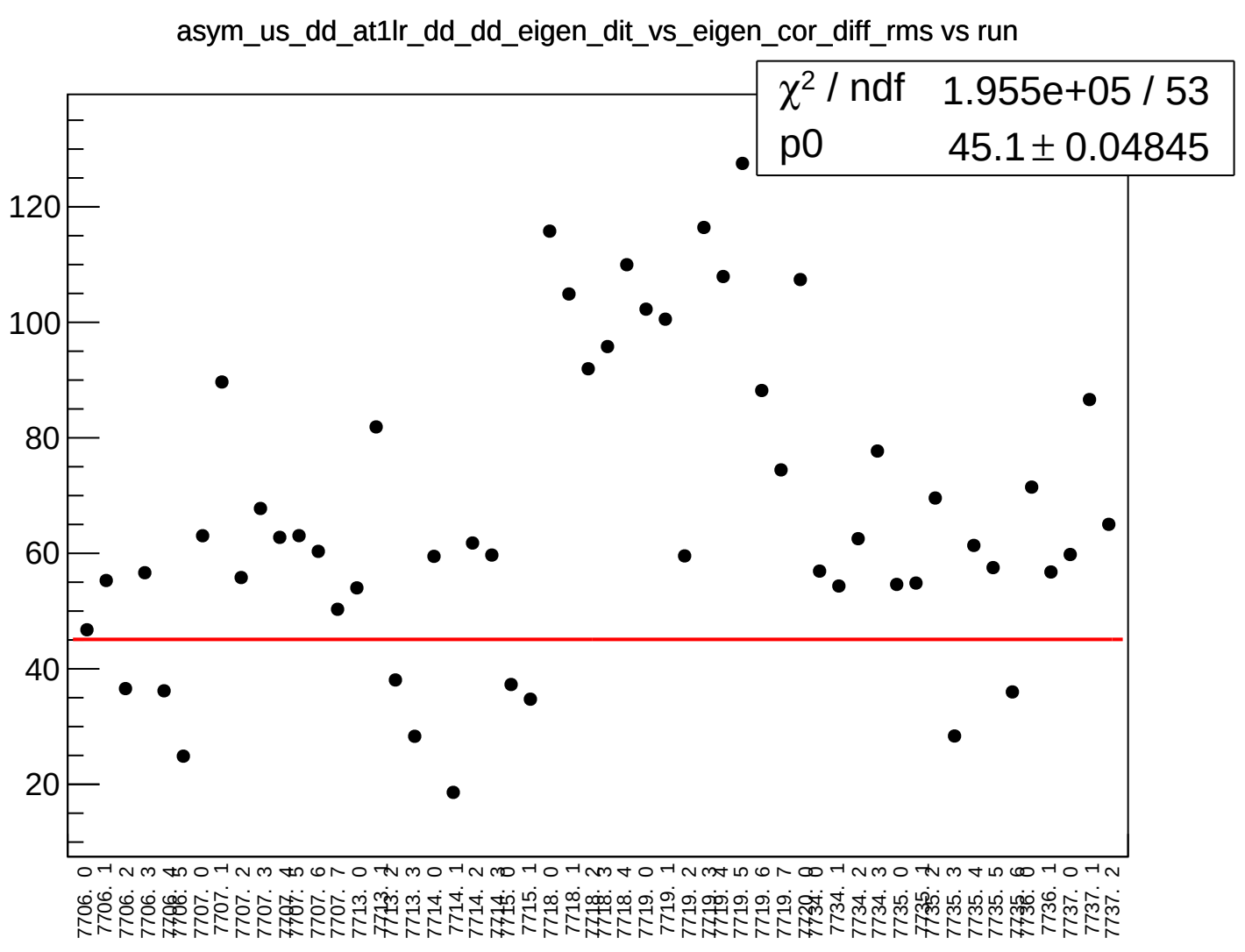

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 53
p0 45.1 ± 0.04845
120
100
80
60
40
20

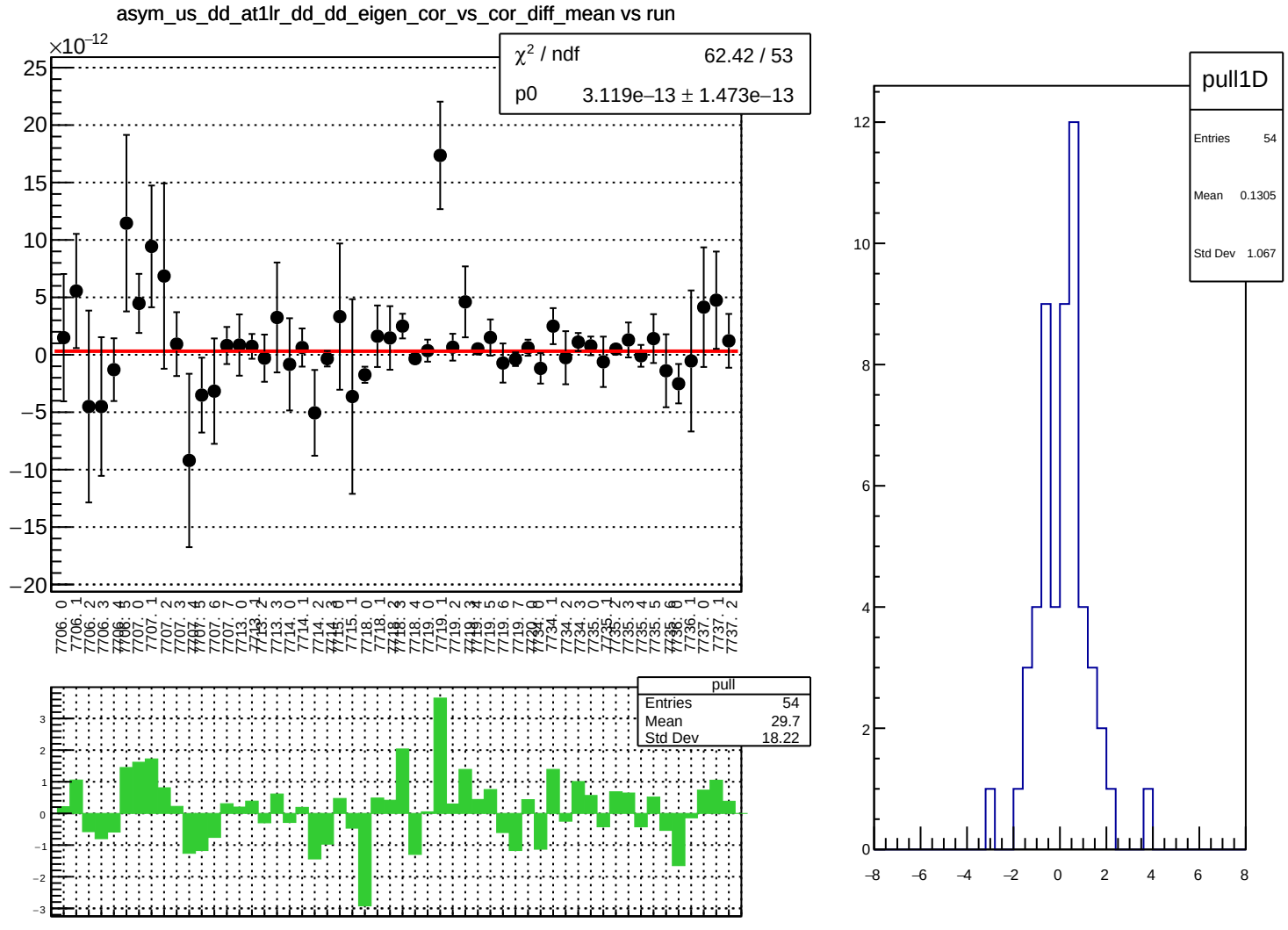
asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

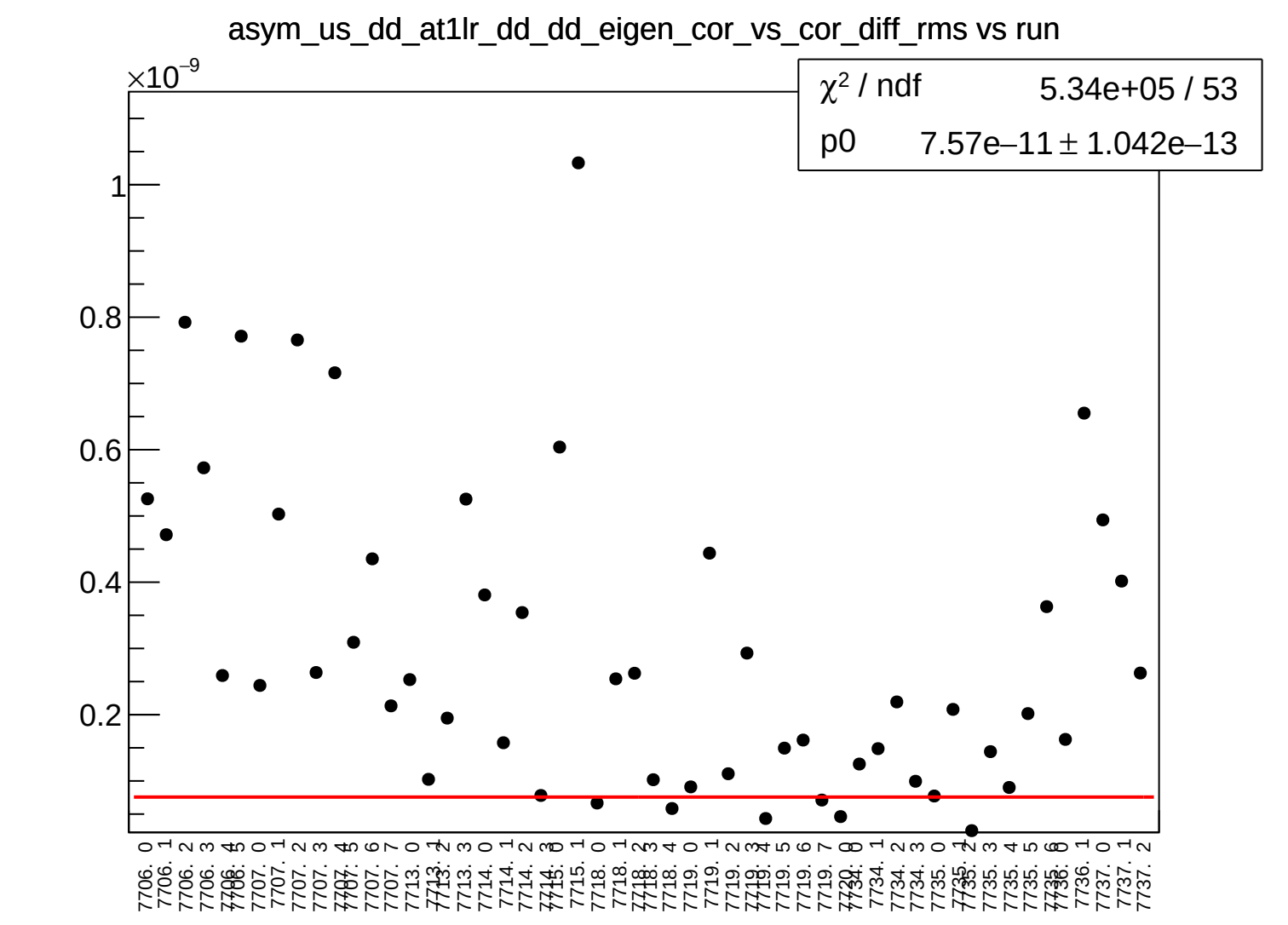


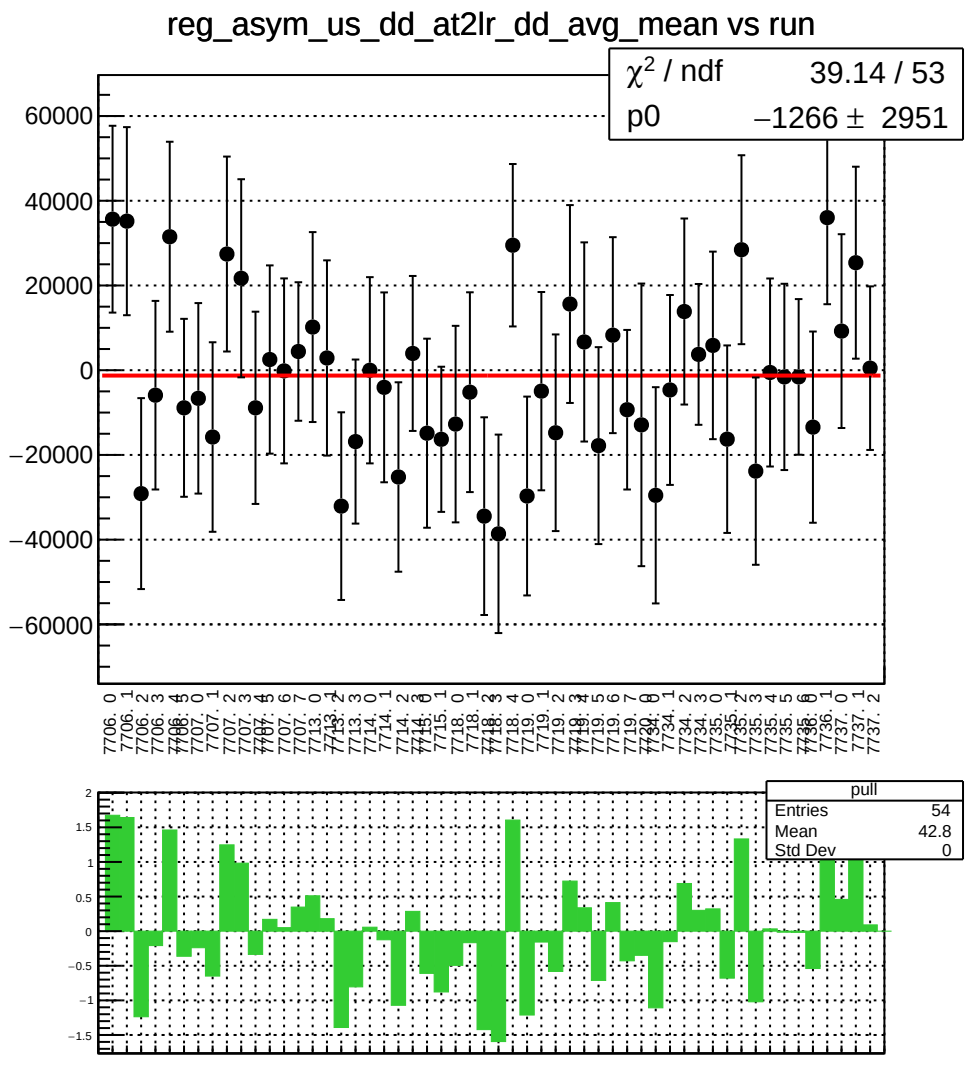


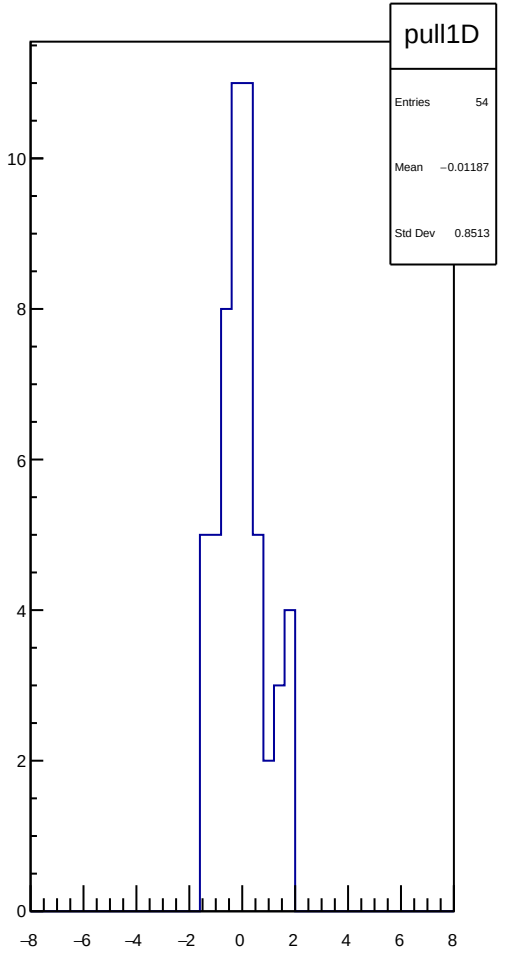


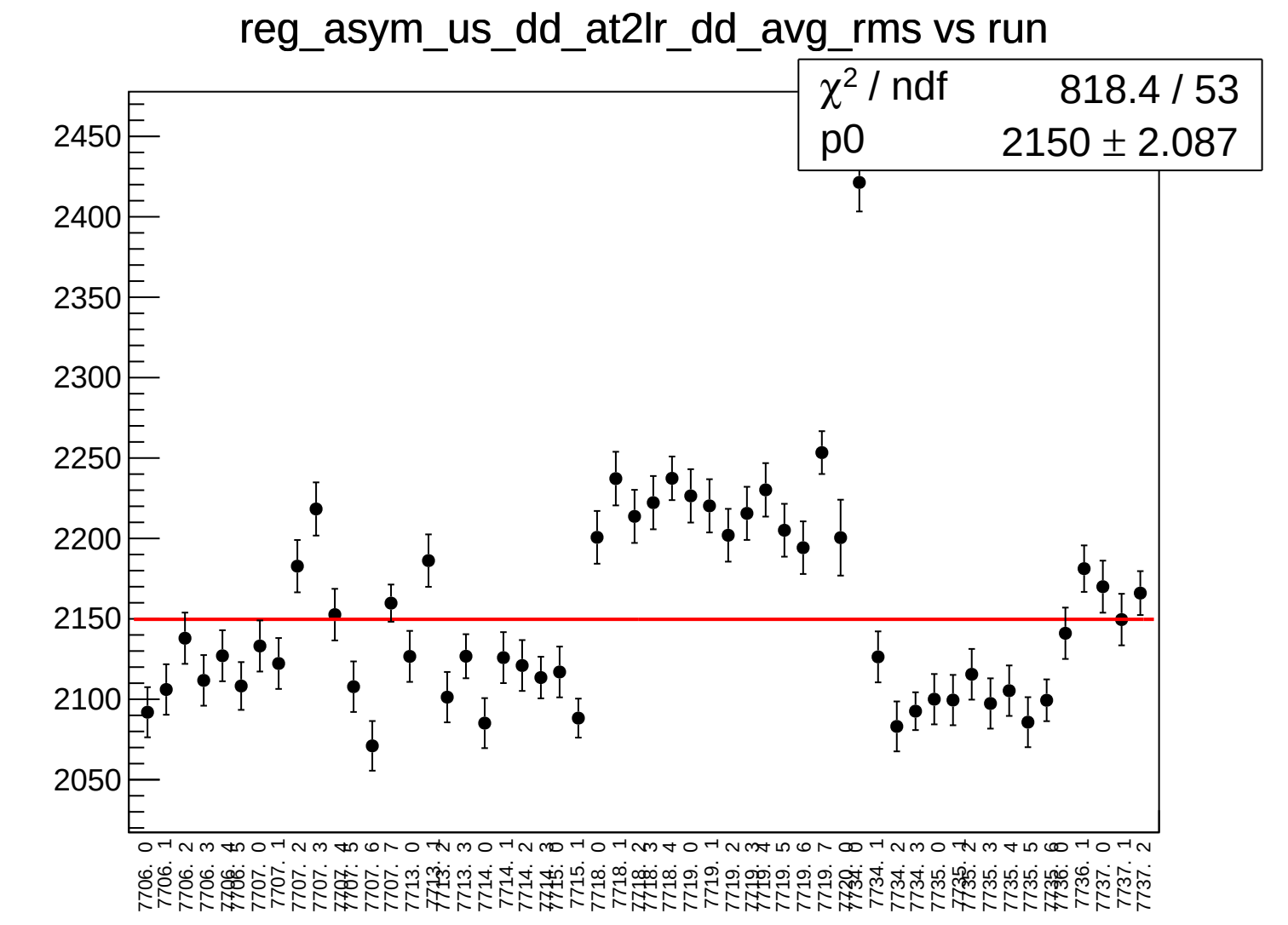

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.955e+05 / 53
p0 45.1 ± 0.04845
120
100
80
60
40
20

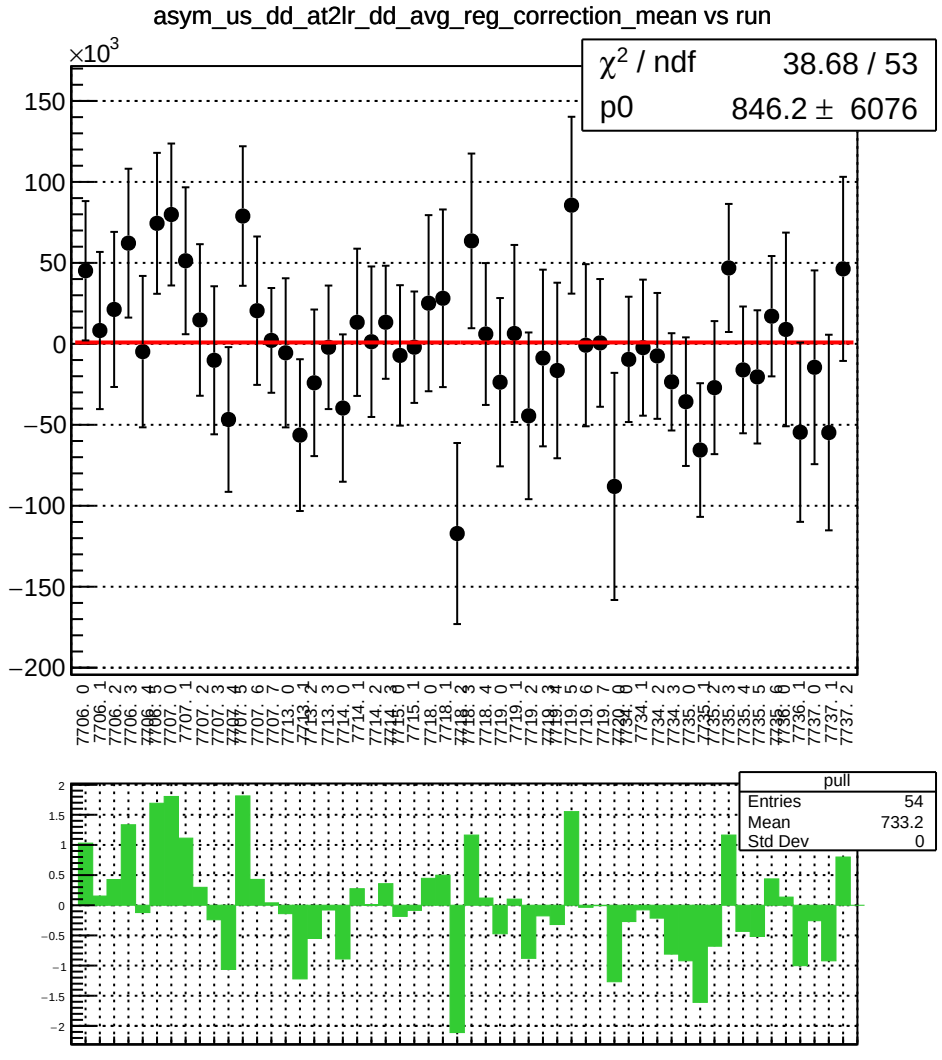

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.42 / 53
p0 3.119e−13 ± 1.473e−13
pull
Entries 54
Mean 29.7
Std Dev 18.22
pull1D
Entries 54
Mean 0.1305
Std Dev 1.067

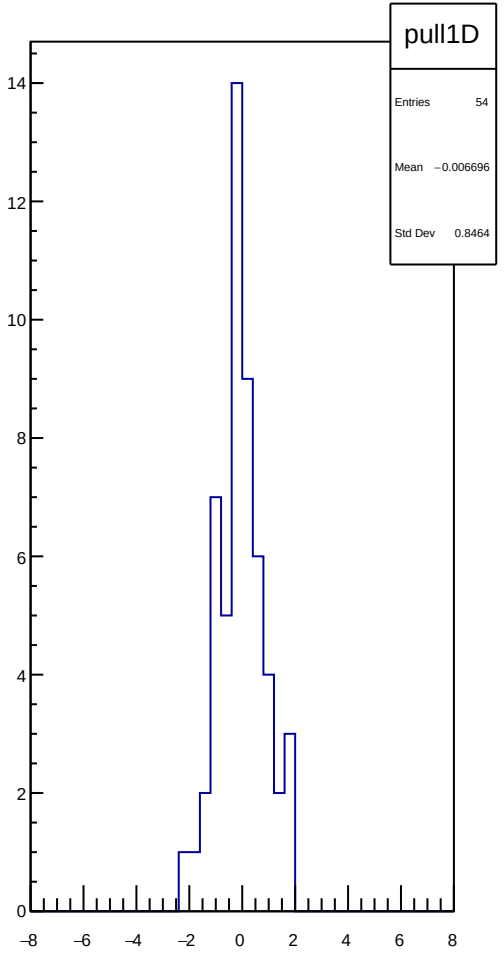

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.34e+05 / 53
p0 7.57e−11 ± 1.042e−13
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

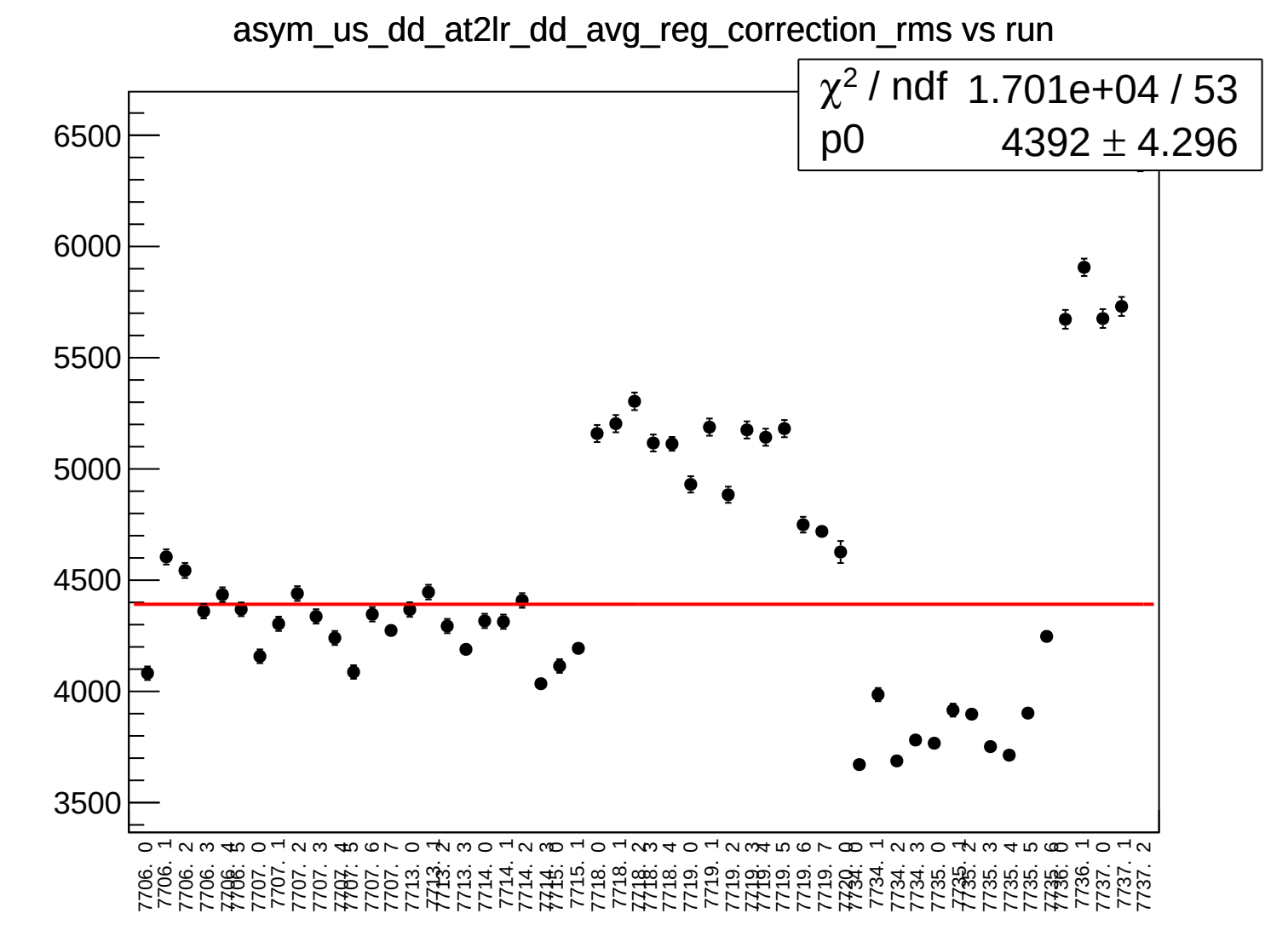

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.14 / 53
p0 −1266 ± 2951
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 42.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

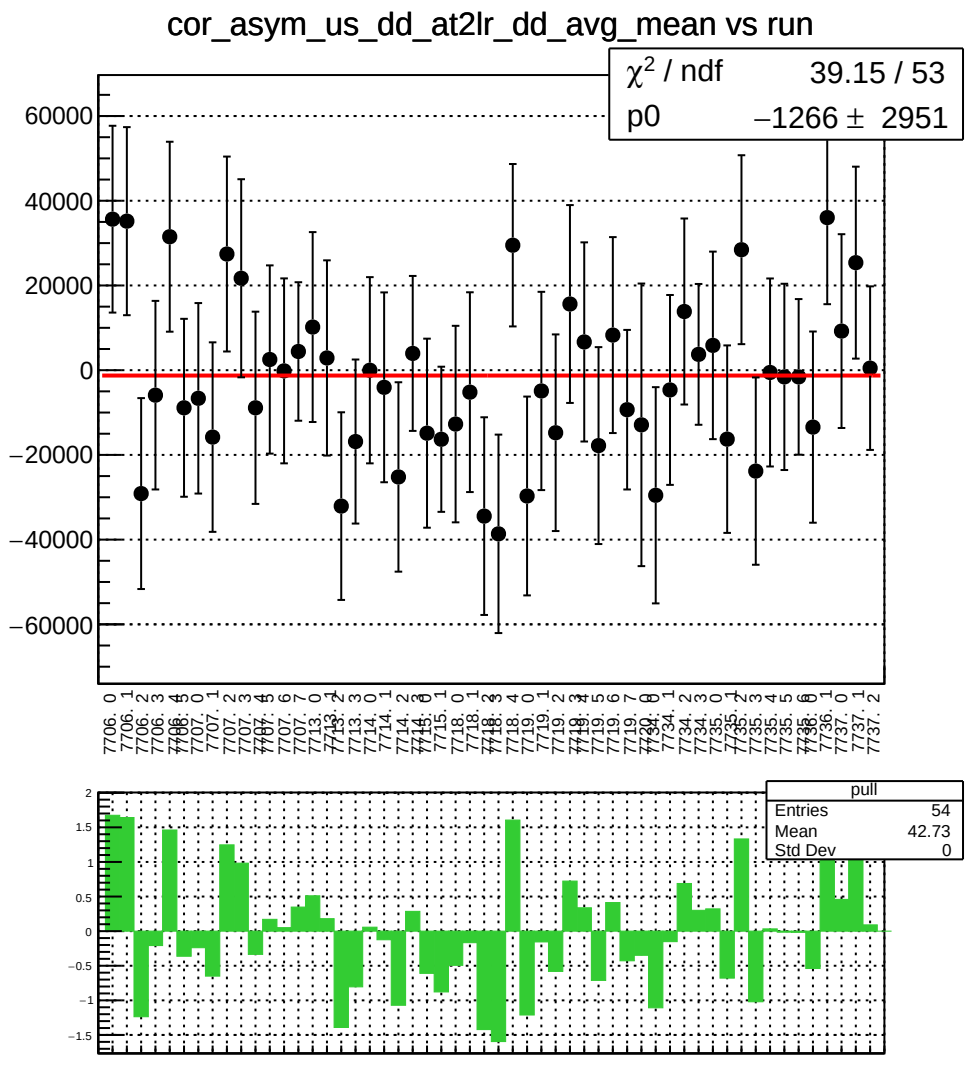

pull1D
Entries 54
Mean −0.01187
Std Dev 0.8513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

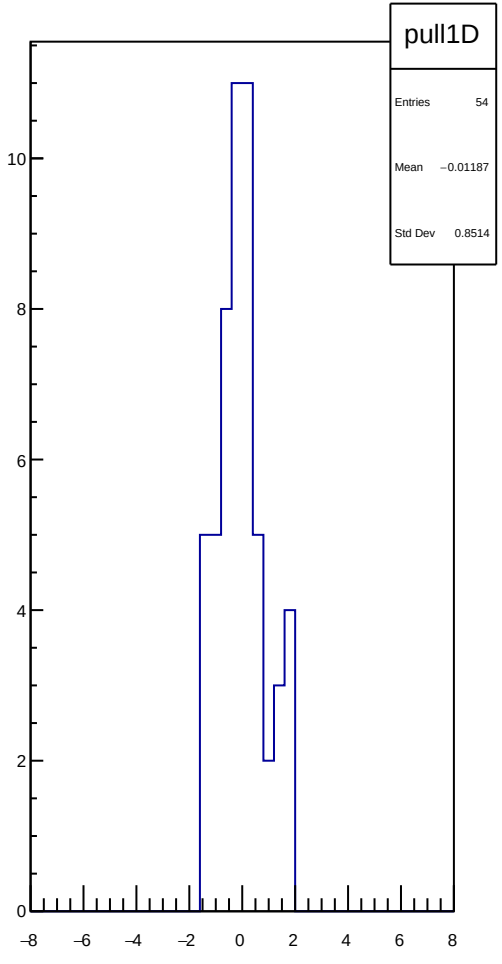

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 818.4 / 53
p0 2150 ± 2.087
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

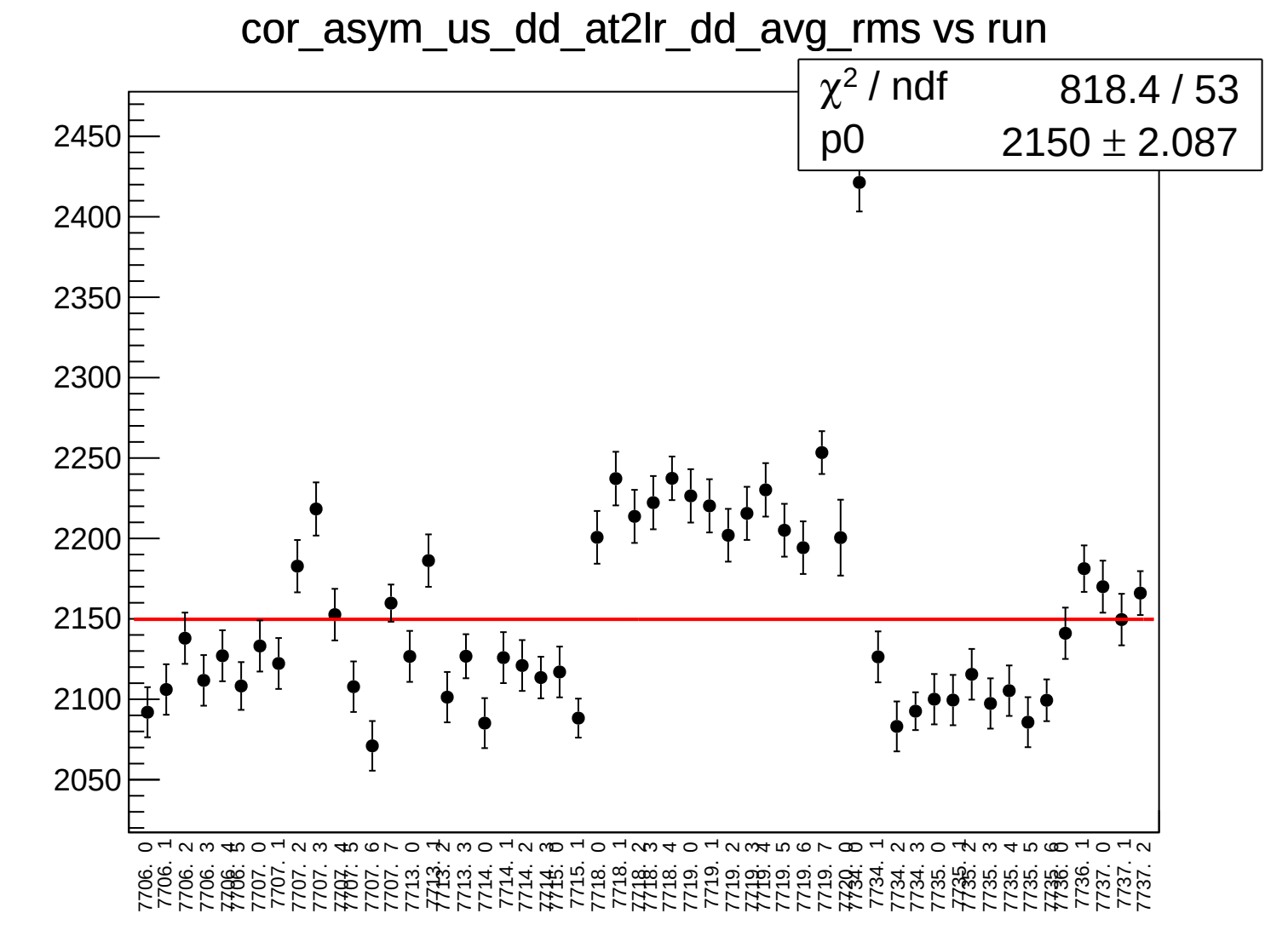

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 38.68 / 53
p0 846.2 ± 6076
pull
Entries 54
Mean 733.2
Std Dev 0

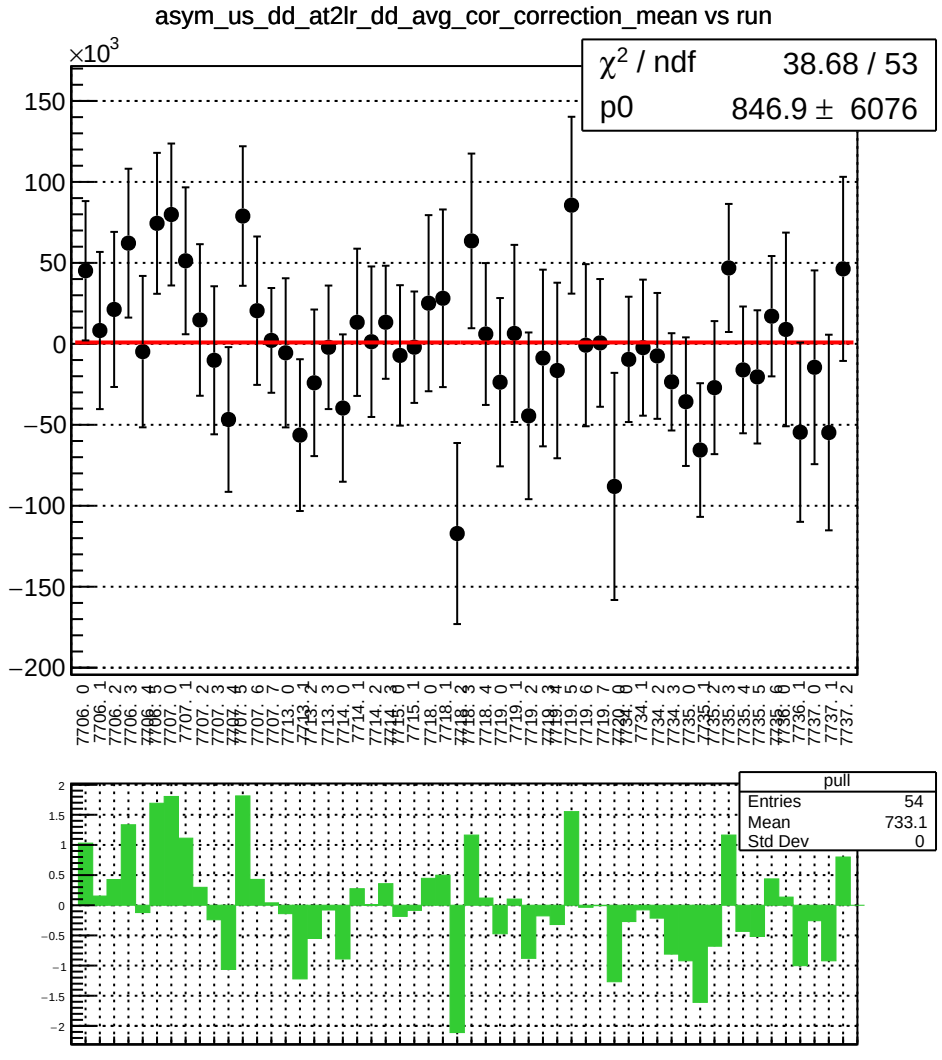

pull1D
Entries 54
Mean −0.006696
Std Dev 0.8464

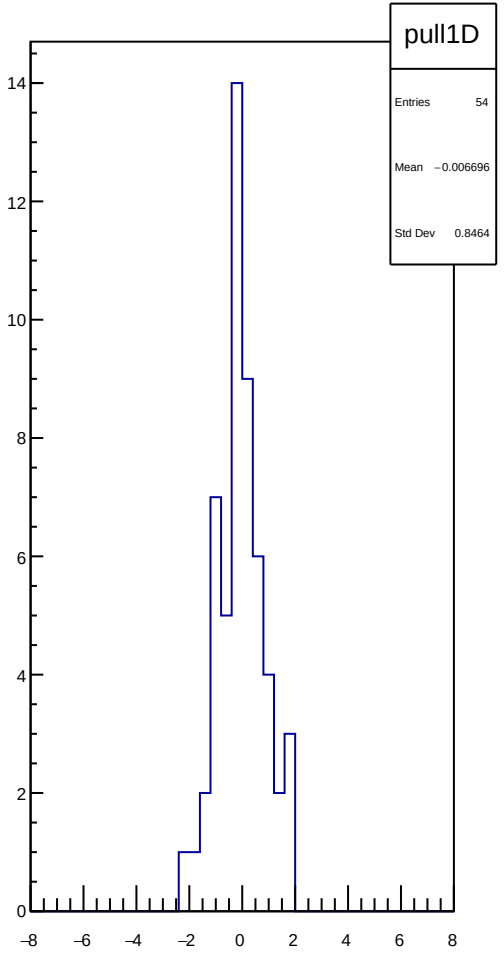

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.701e+04 / 53
p0 4392 ± 4.296
6500
6000
5500
5000
4500
4000
3500

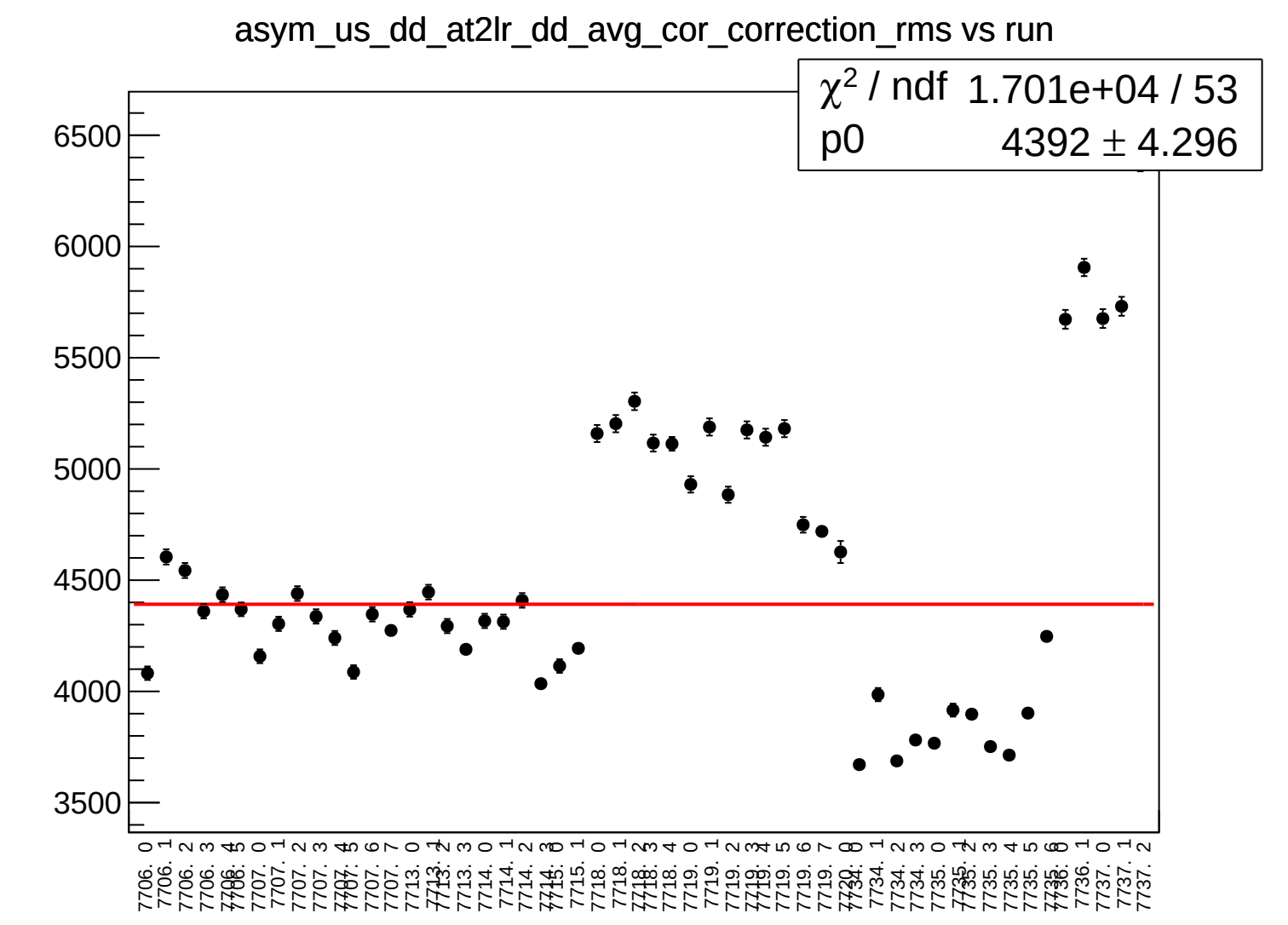

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.15 / 53
p0 −1266 ± 2951
pull
Entries 54
Mean 42.73
Std Dev 0

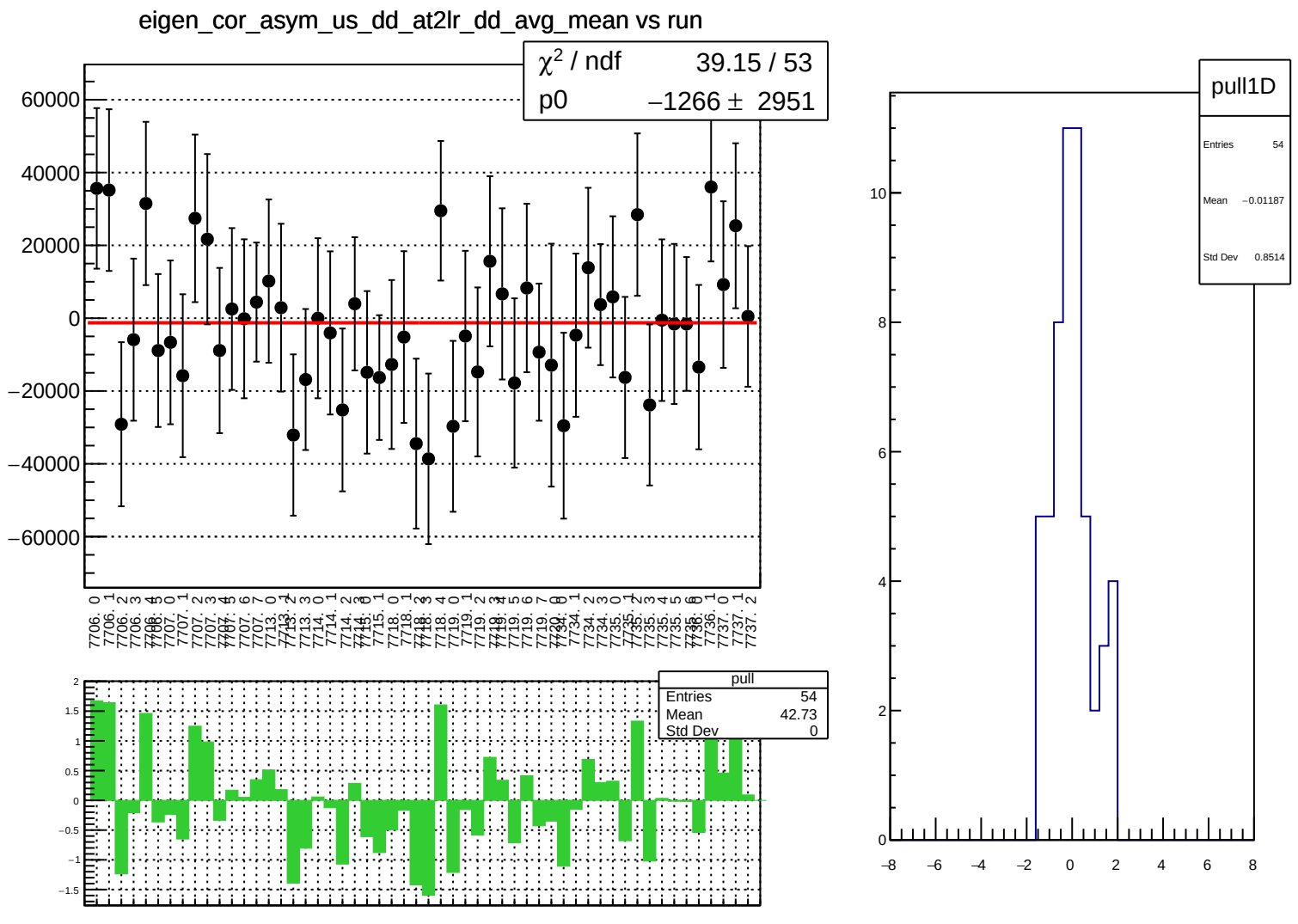

pull1D
Entries 54
Mean −0.01187
Std Dev 0.8514

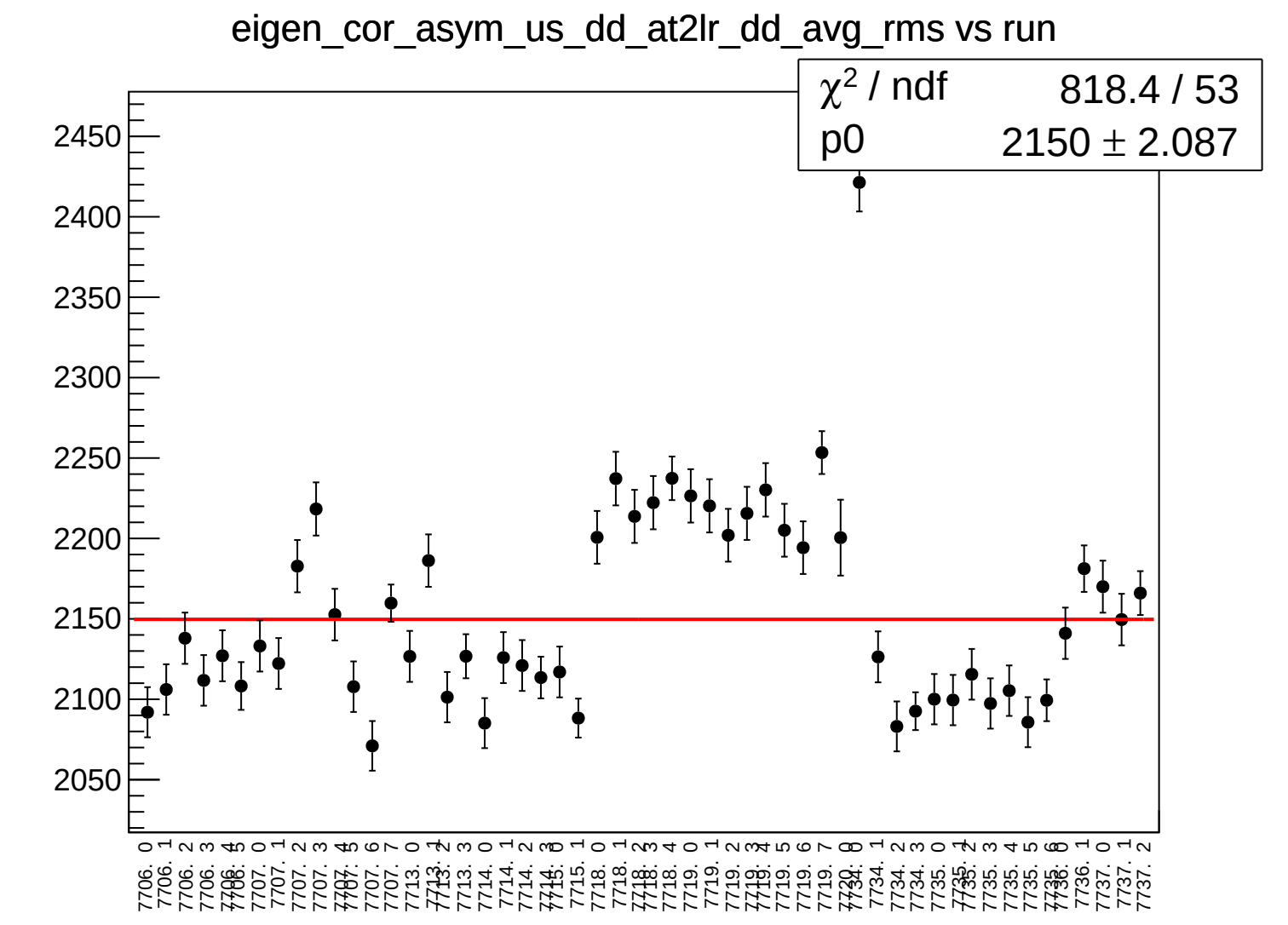

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 818.4 / 53
p0 2150 ± 2.087
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

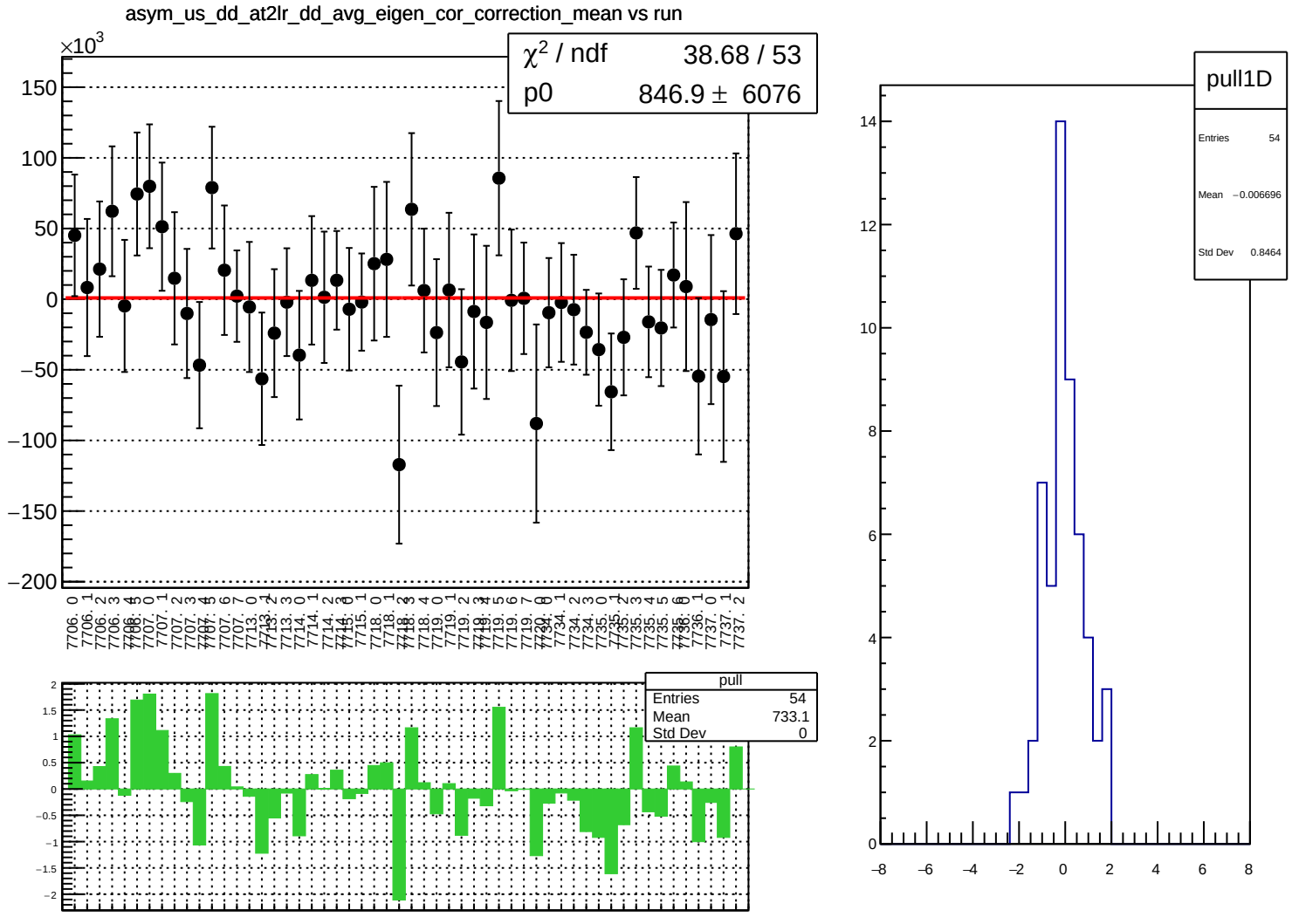

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 38.68 / 53
p0 846.9 ± 6076
pull
Entries 54
Mean 733.1
Std Dev 0

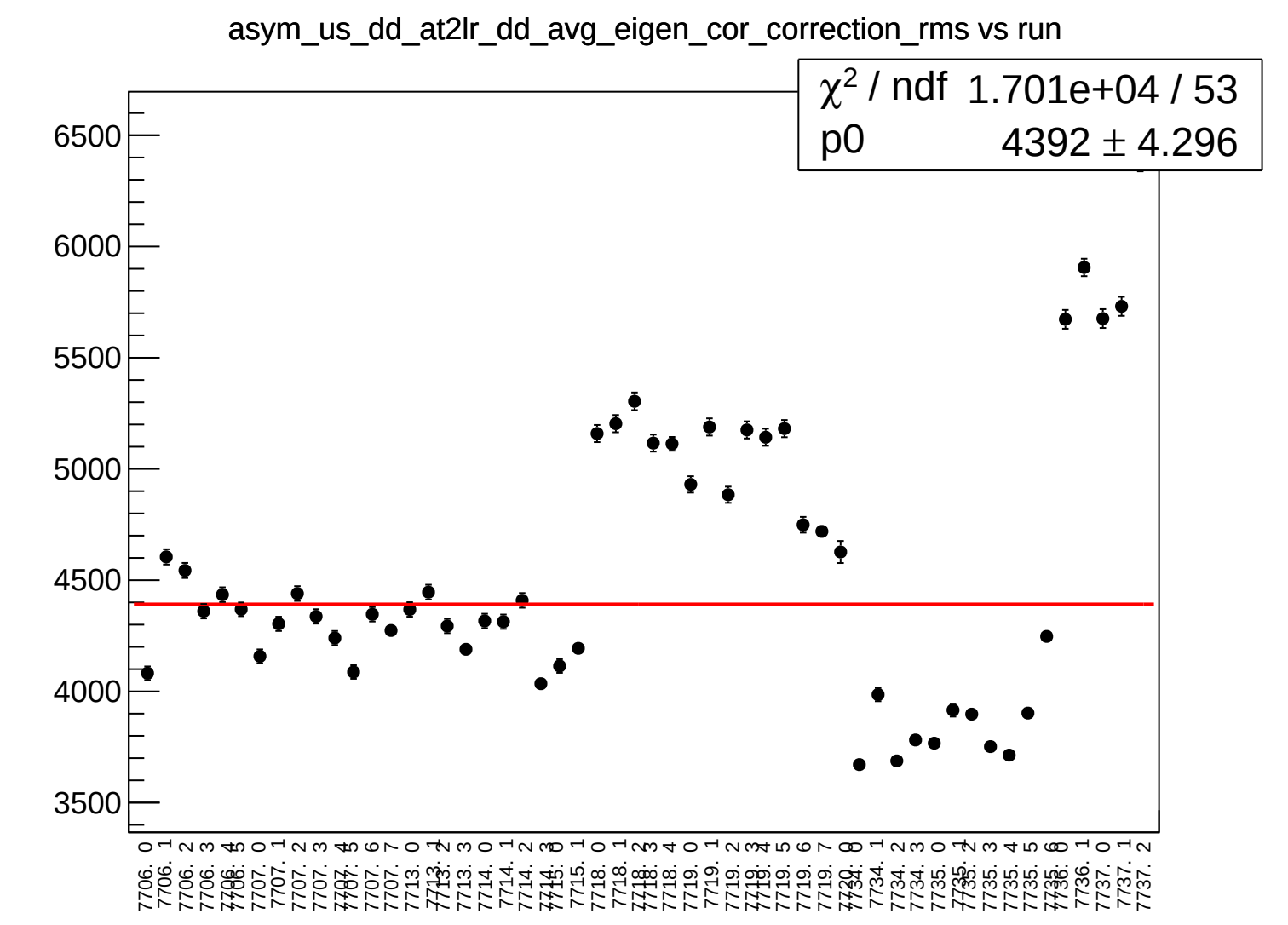

pull1D
Entries 54
Mean −0.006696
Std Dev 0.8464

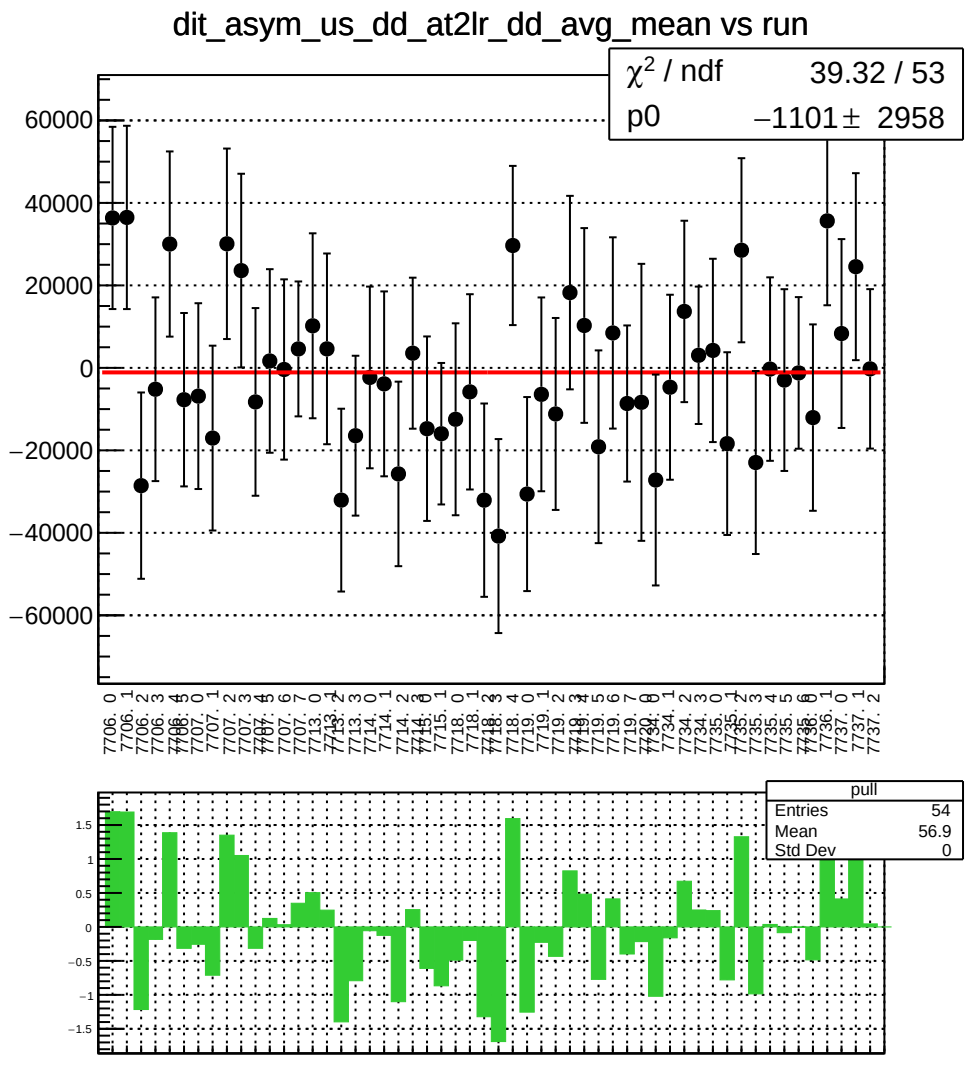

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.701e+04 / 53
p0 4392 ± 4.296
6500
6000
5500
5000
4500
4000
3500

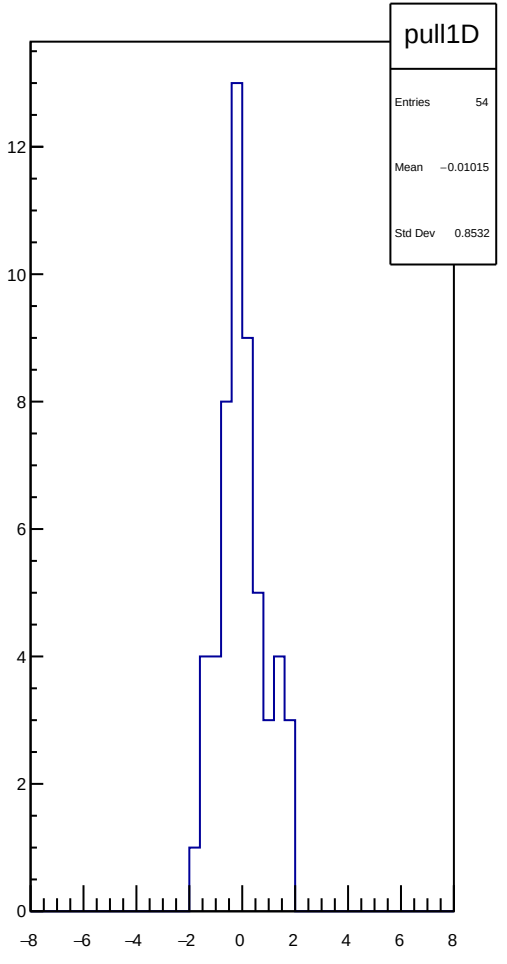

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.15 / 53
p0 −1266 ± 2951
pull
Entries 54
Mean 42.73
Std Dev 0
pull1D
Entries 54
Mean −0.01187
Std Dev 0.8514

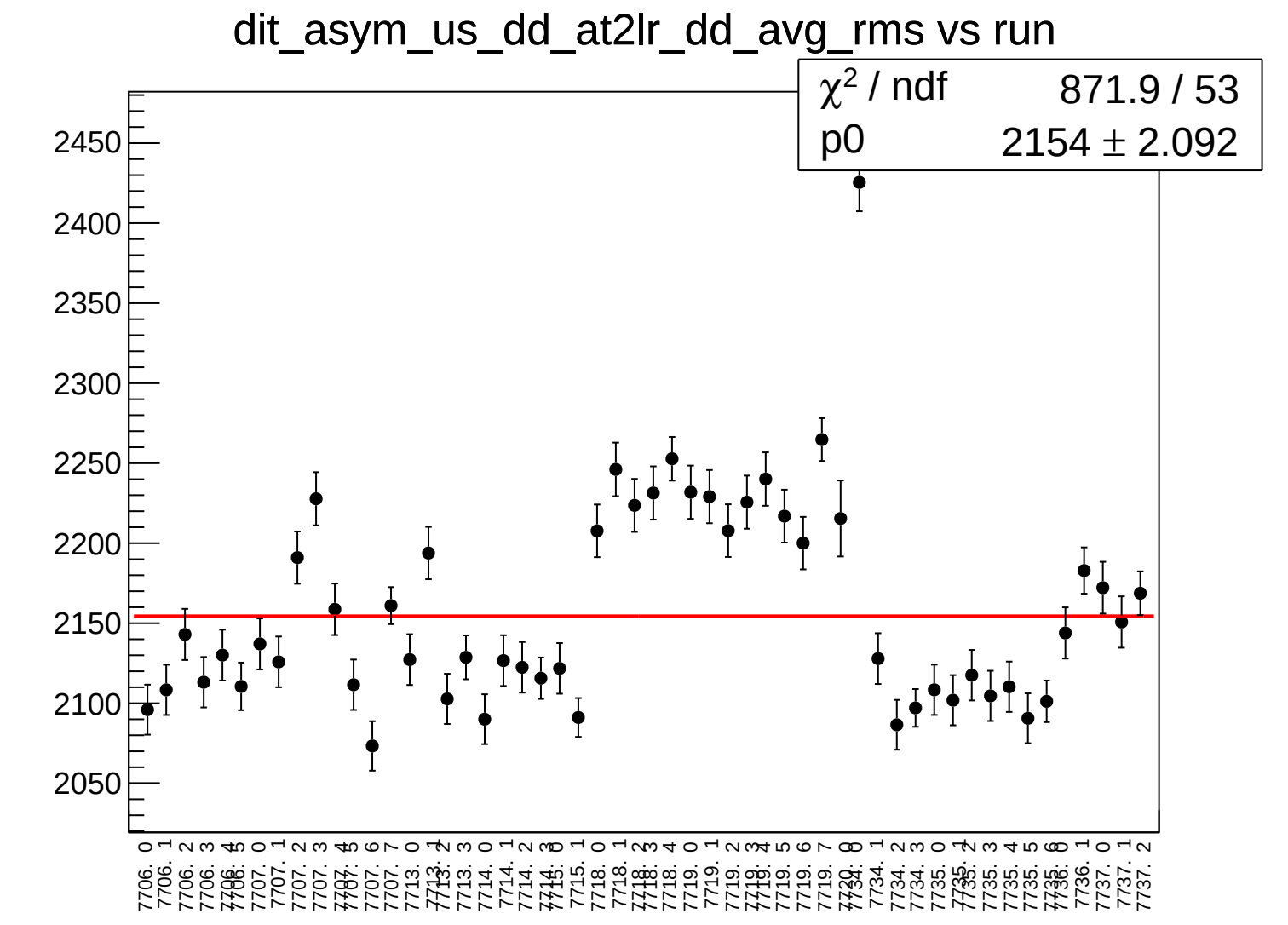

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 818.4 / 53
p0 2150 ± 2.087
2450
2400
2350
2300
2250
2200
2150
2100
2050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

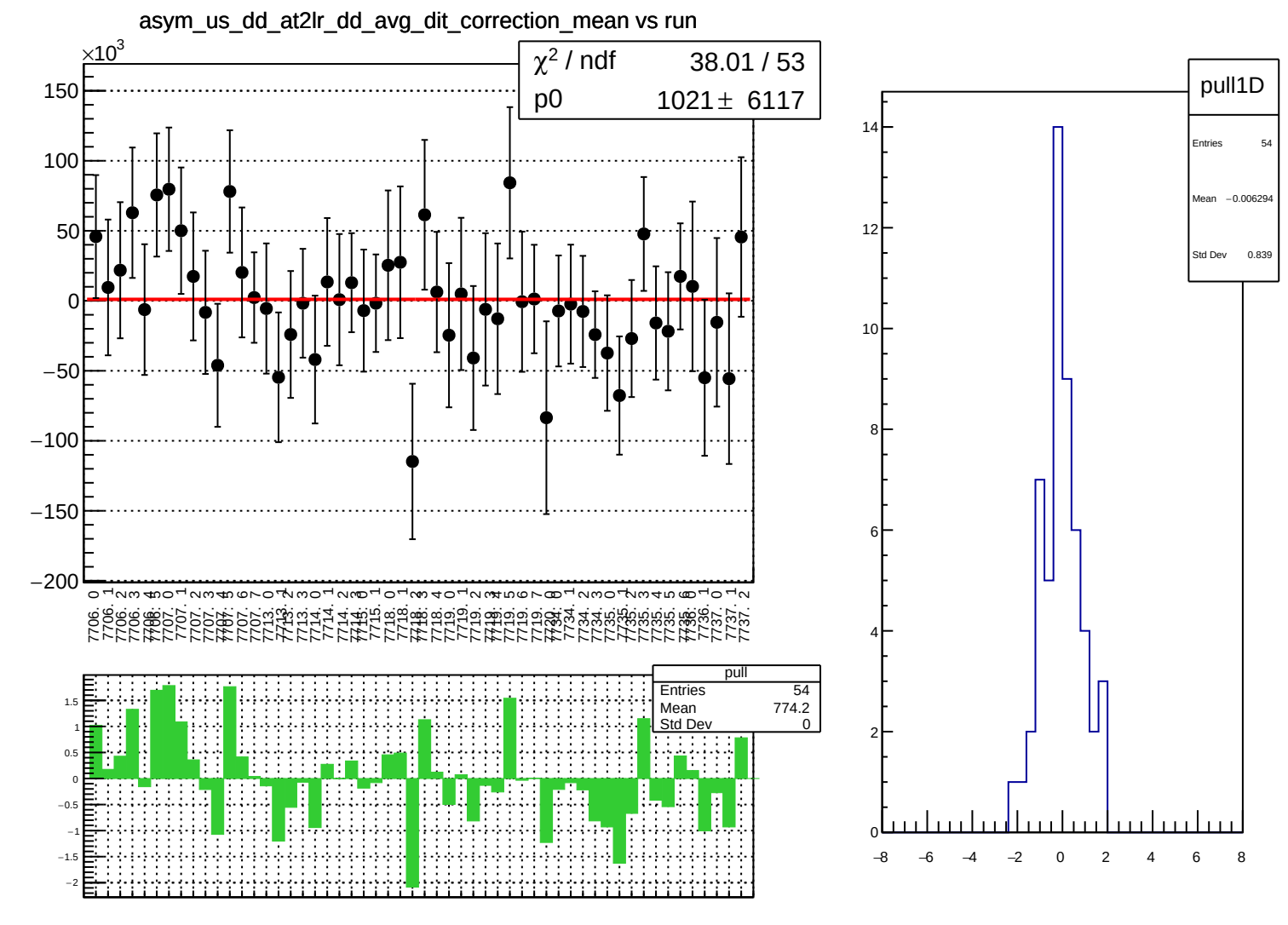

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 38.68 / 53
p0 846.9 ± 6076
pull
Entries 54
Mean 733.1
Std Dev 0
pull1D
Entries 54
Mean −0.006696
Std Dev 0.8464

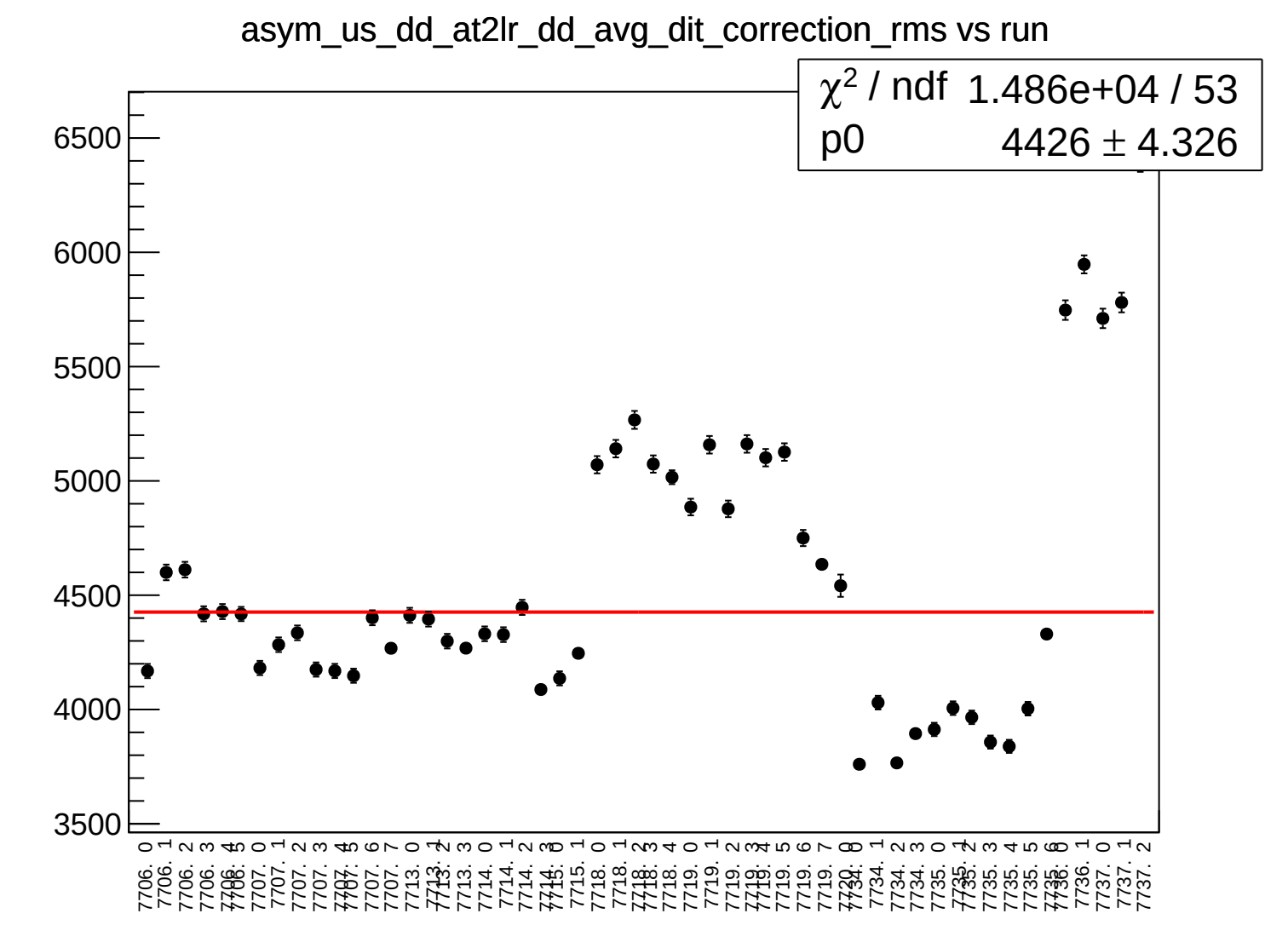

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.701e+04 / 53
p0 4392 ± 4.296
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

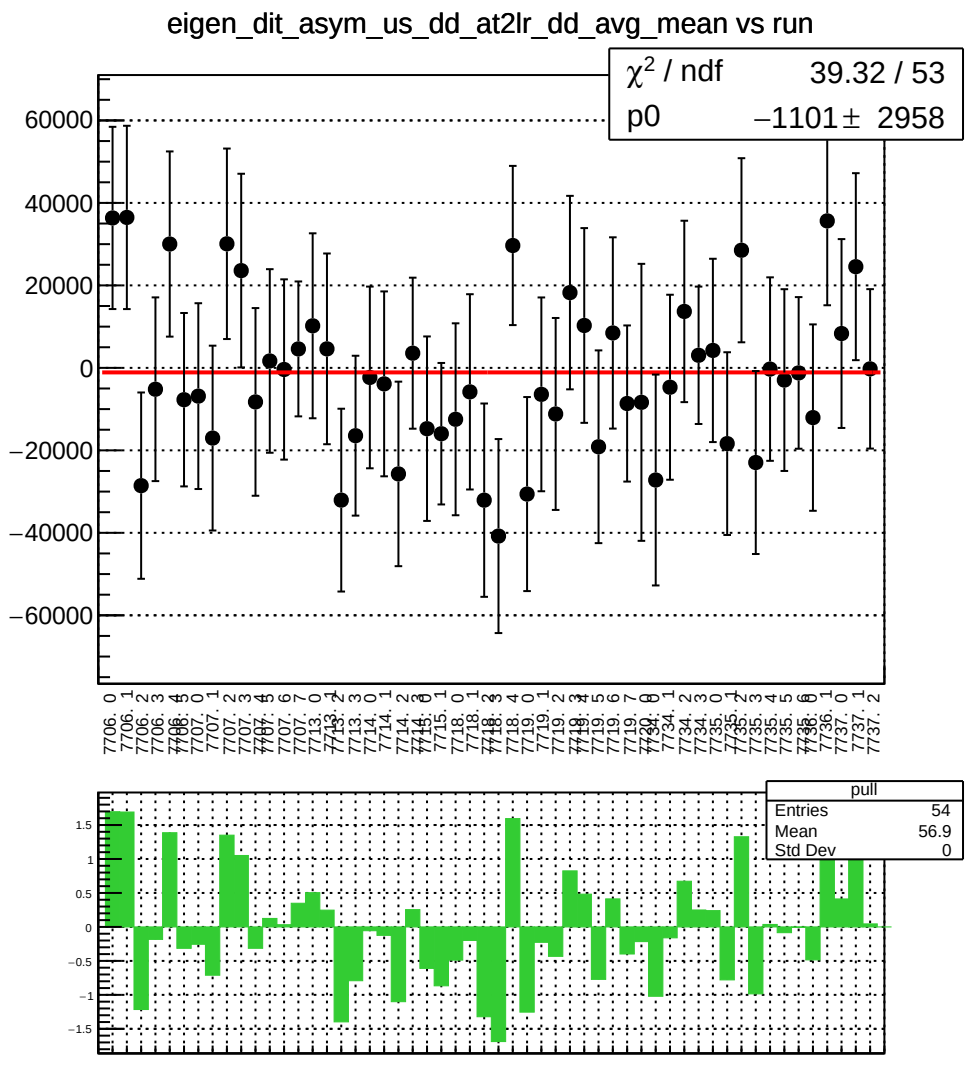

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.32 / 53
p0 −1101 ± 2958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 56.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

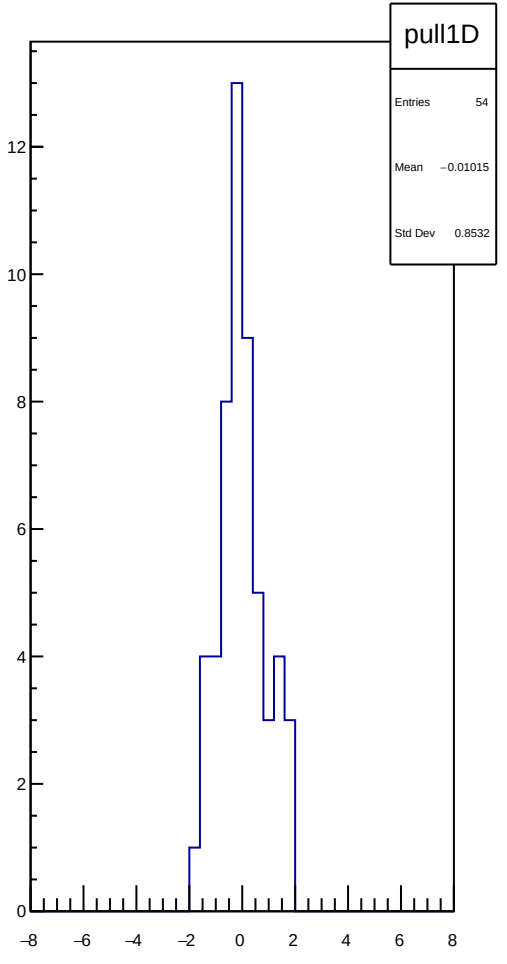

pull1D
Entries 54
Mean −0.01015
Std Dev 0.8532
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

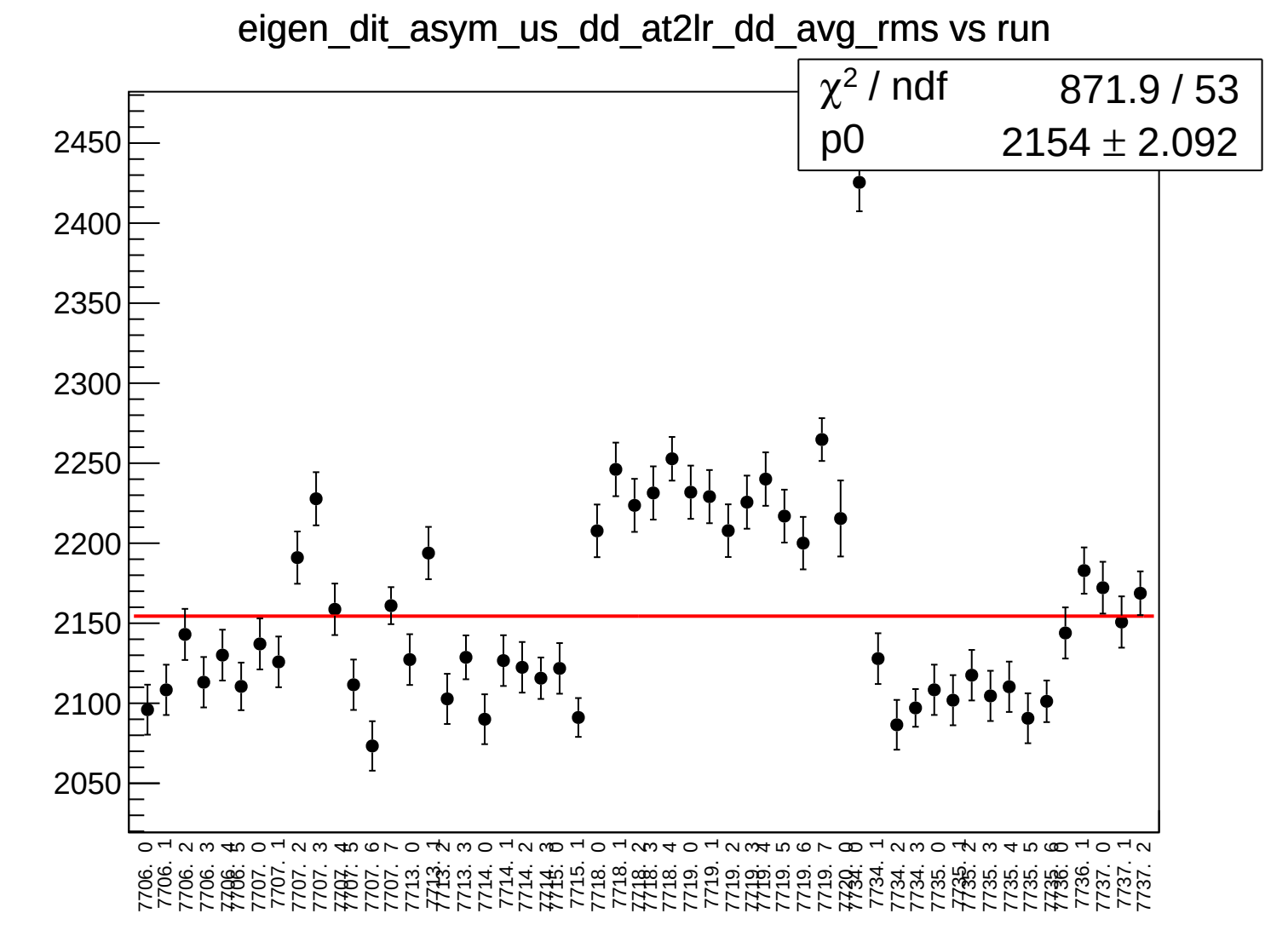

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 871.9 / 53
p0 2154 ± 2.092
2450
2400
2350
2300
2250
2200
2150
2100
2050

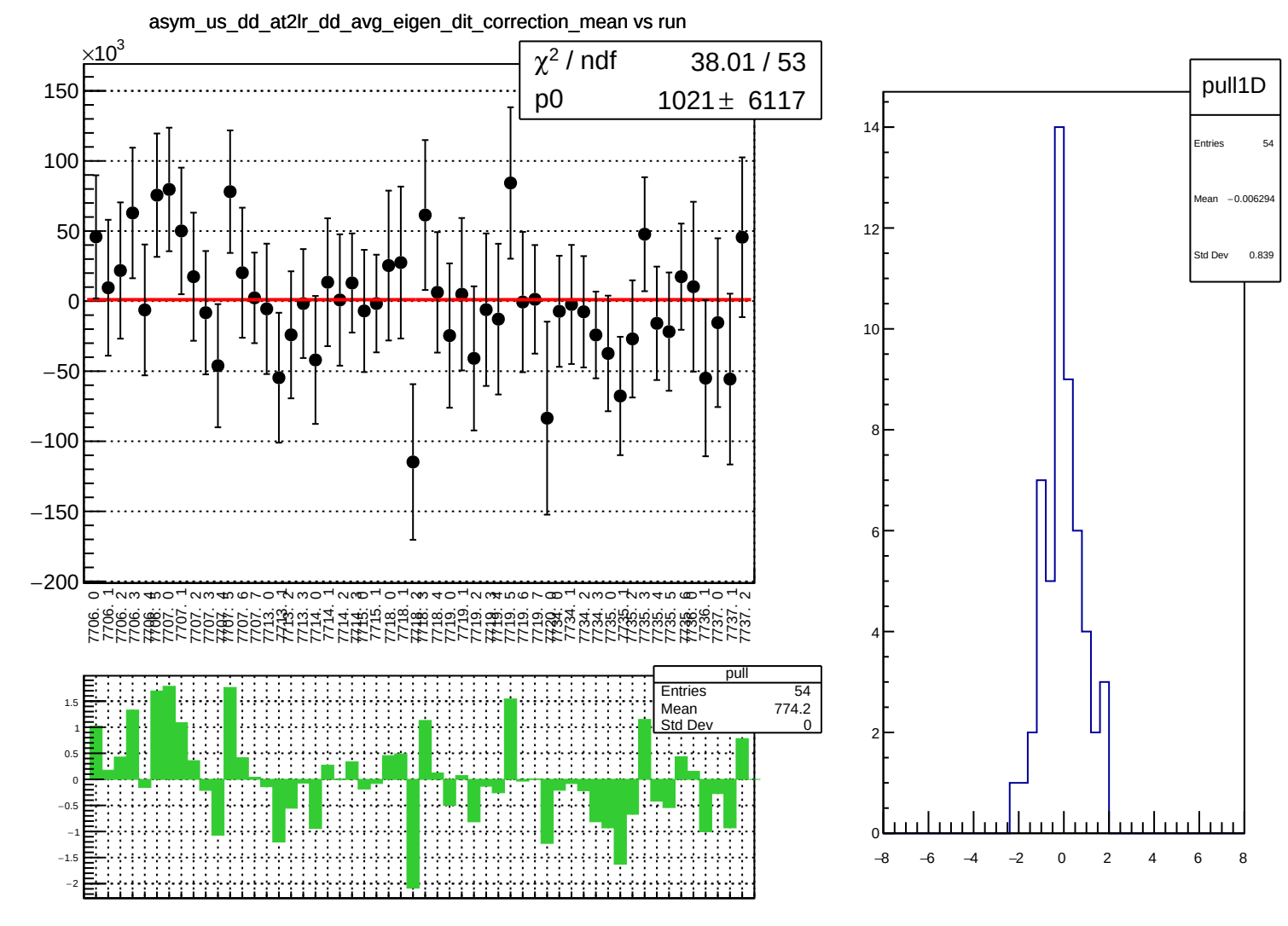

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 38.01 / 53
p0 1021 ± 6117
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 774.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.006294
Std Dev 0.839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

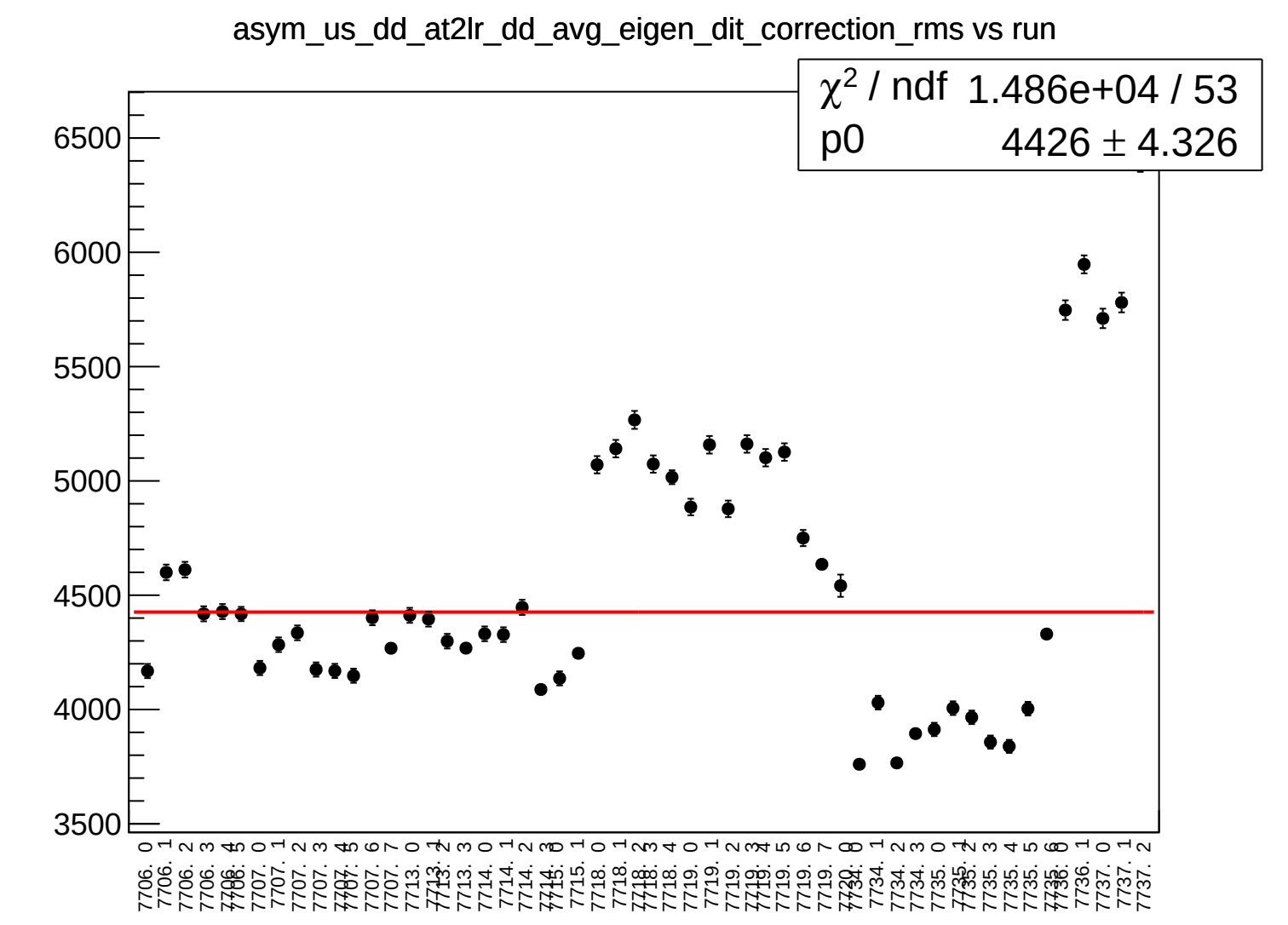

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.486e+04 / 53
p0 4426 ± 4.326
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

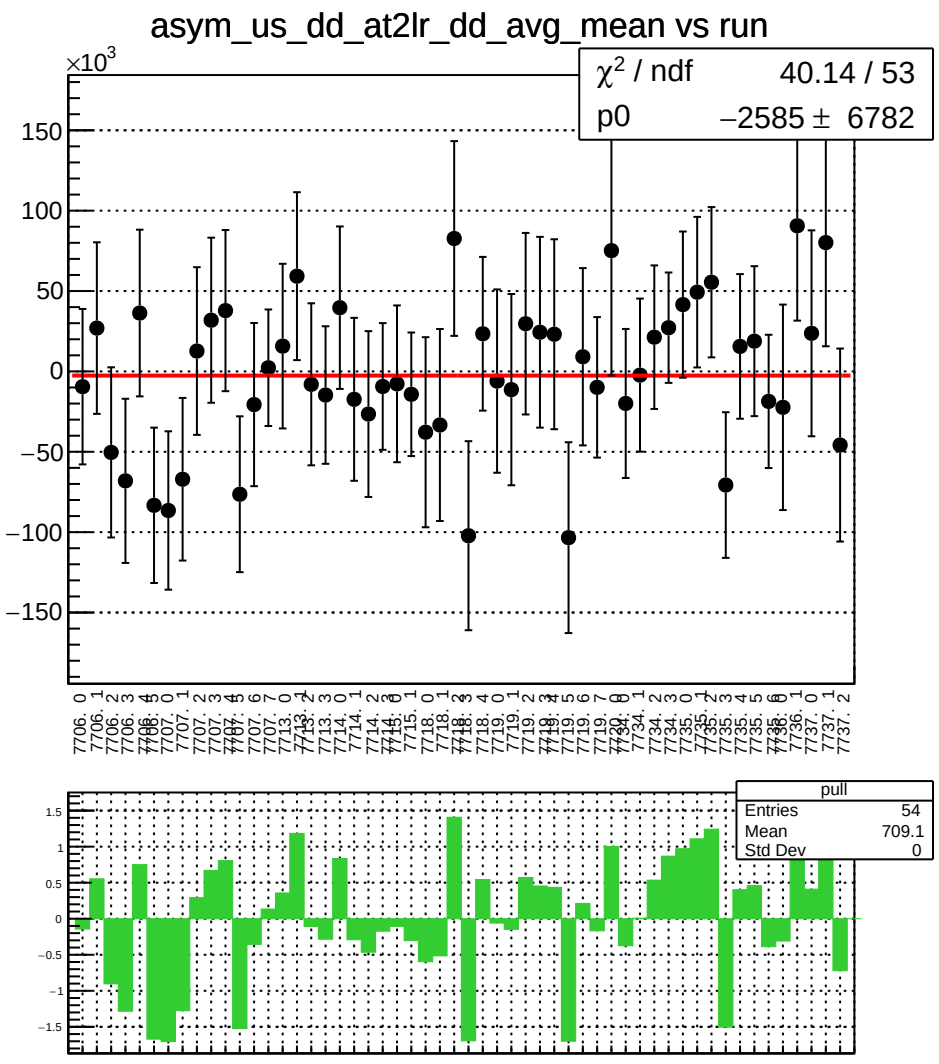

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.32 / 53
p0 −1101 ± 2958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 56.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

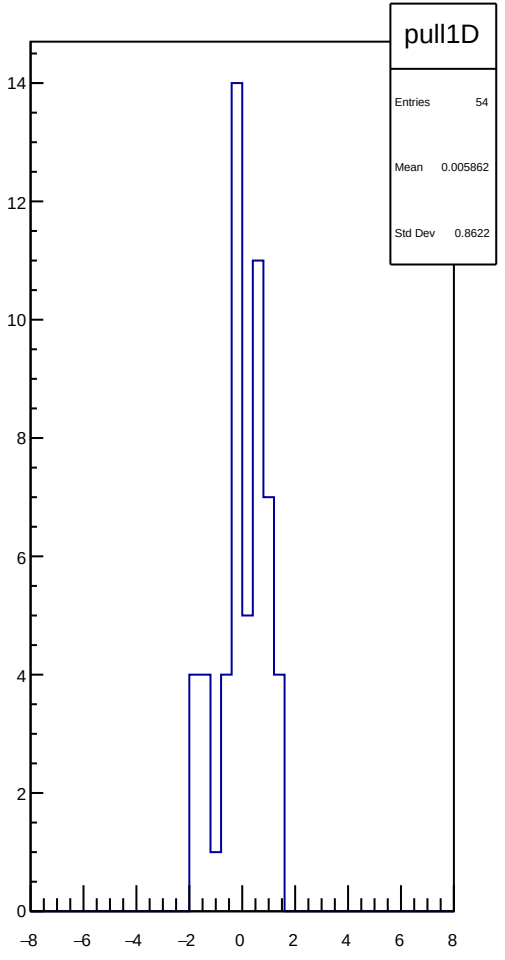

pull1D
Entries 54
Mean −0.01015
Std Dev 0.8532
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

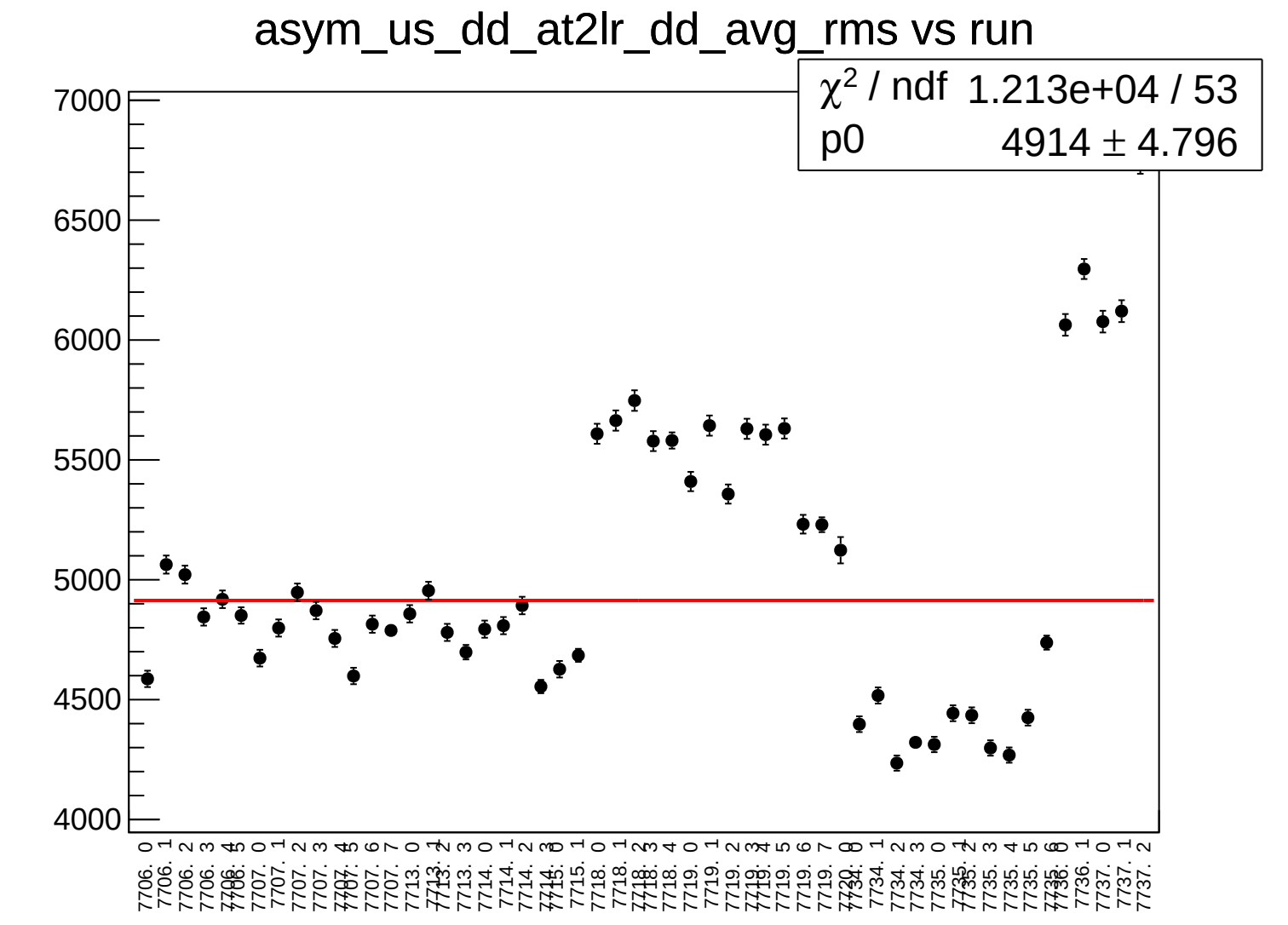

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 871.9 / 53
p0 2154 ± 2.092
2450
2400
2350
2300
2250
2200
2150
2100
2050

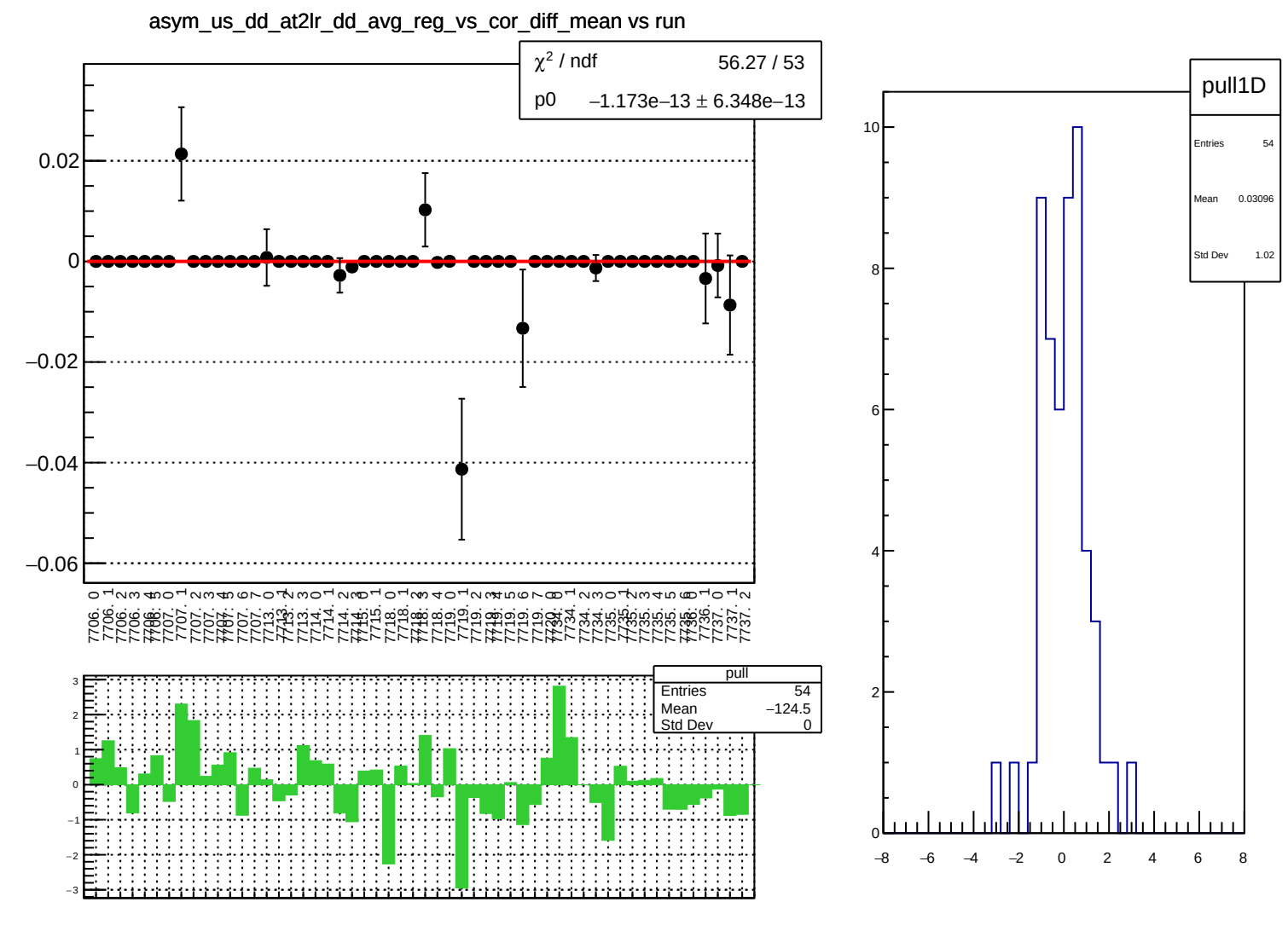

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 38.01 / 53
p0 1021 ± 6117
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 774.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.006294
Std Dev 0.839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

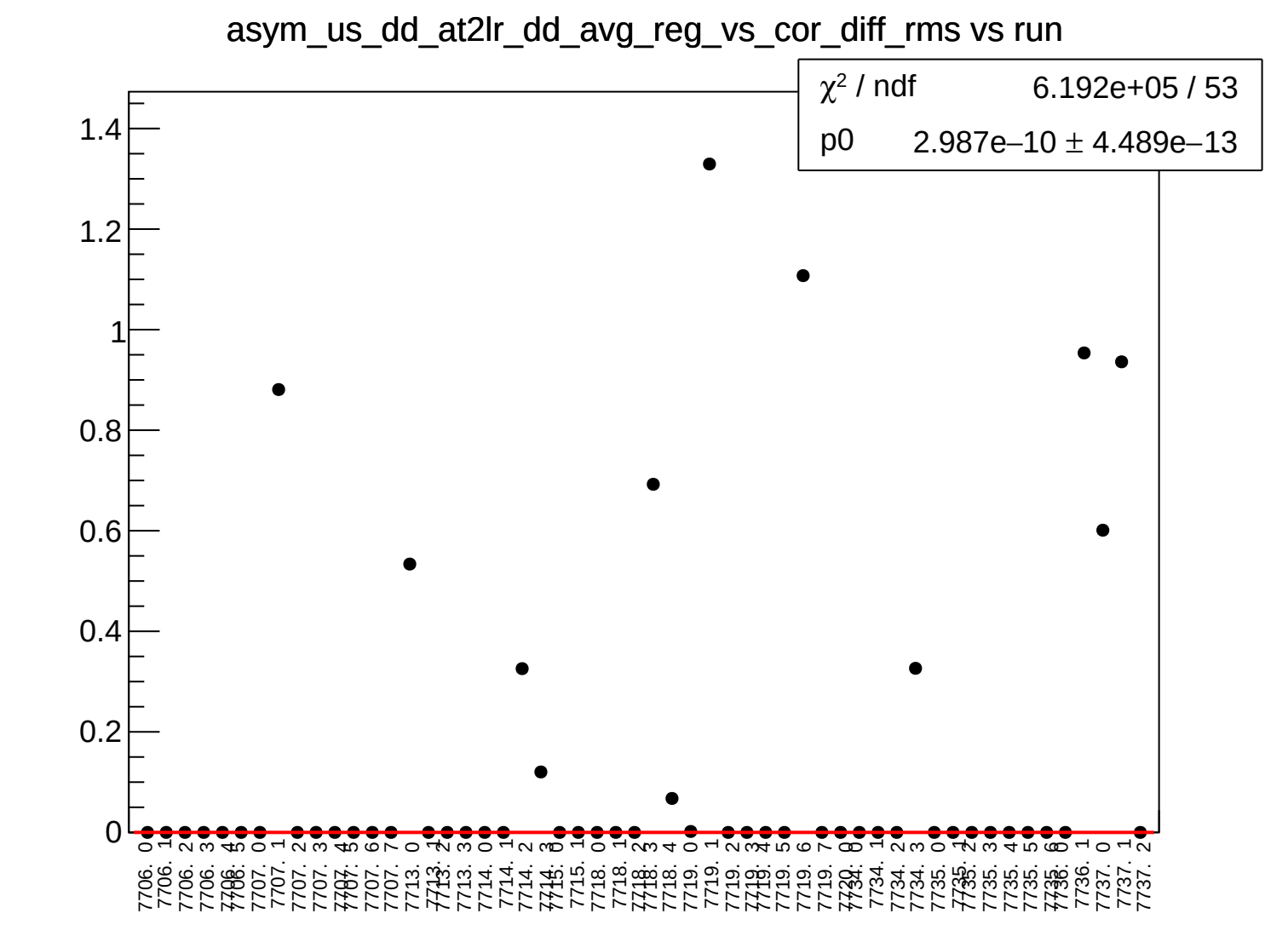

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.486e+04 / 53
p0 4426 ± 4.326
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

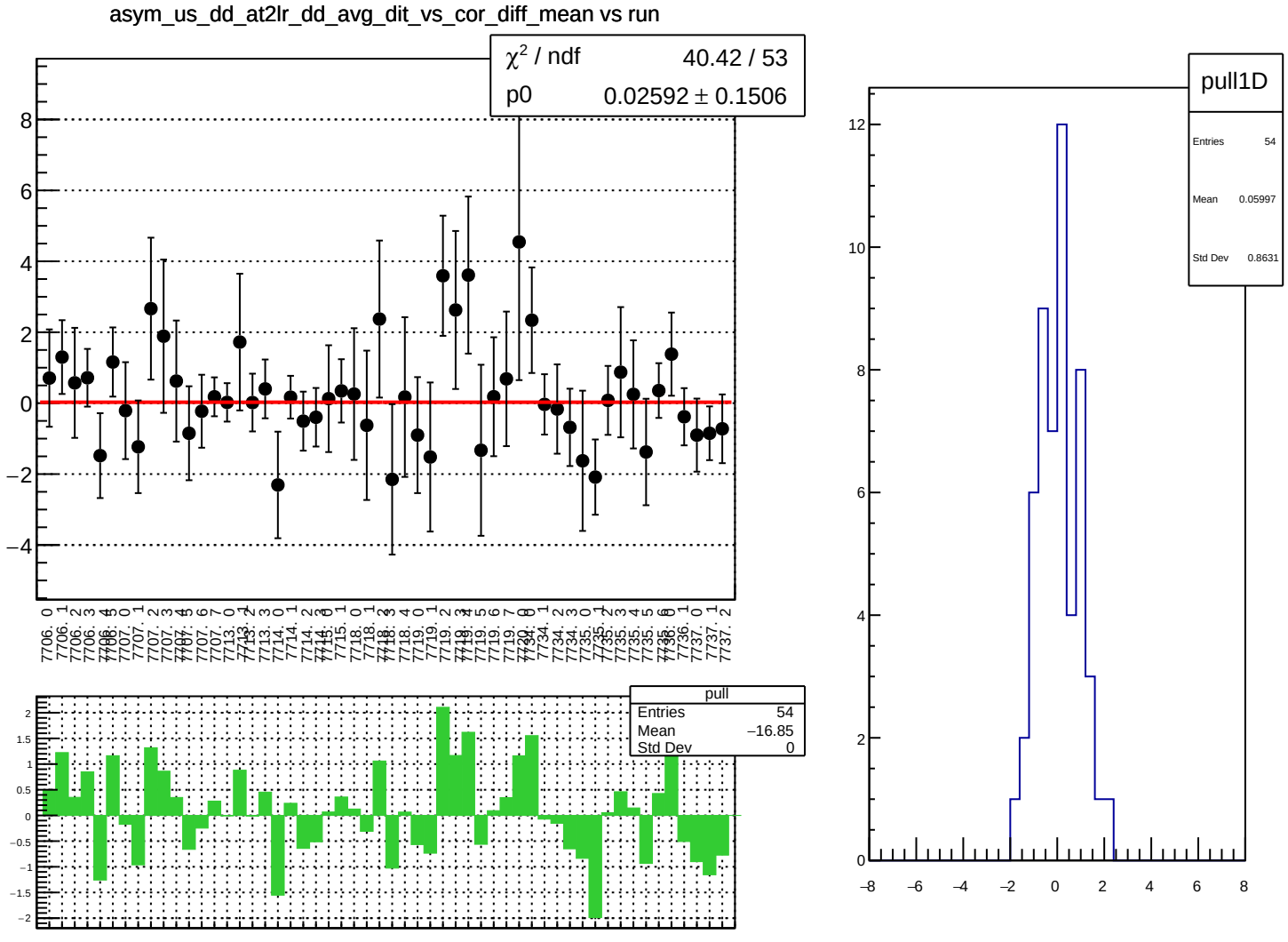

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 40.14 / 53
p0 −2585 ± 6782
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 709.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

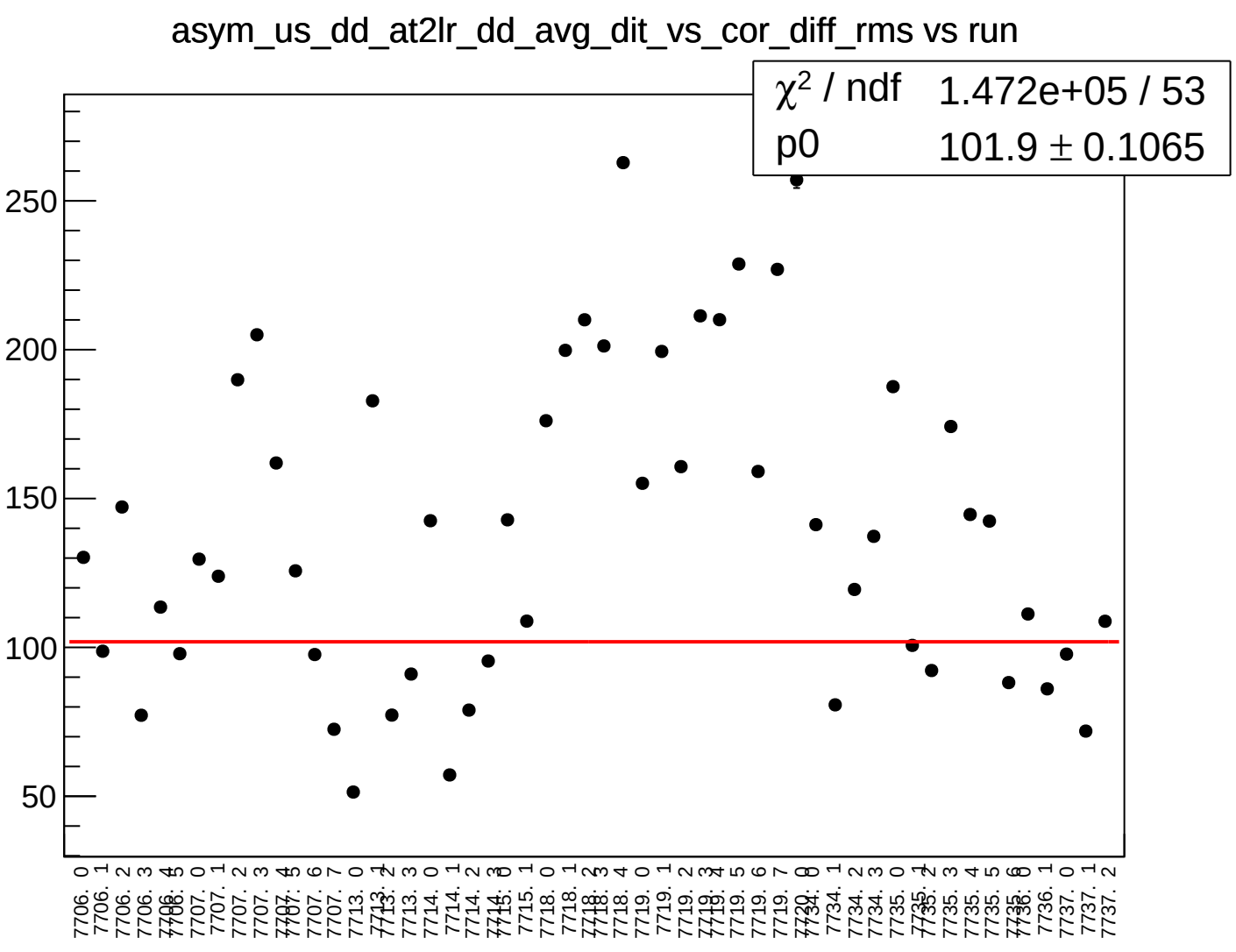

pull1D
Entries 54
Mean 0.005862
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1.213e+04 / 53
p0 4914 ± 4.796
7000
6500
6000
5500
5000
4500
4000

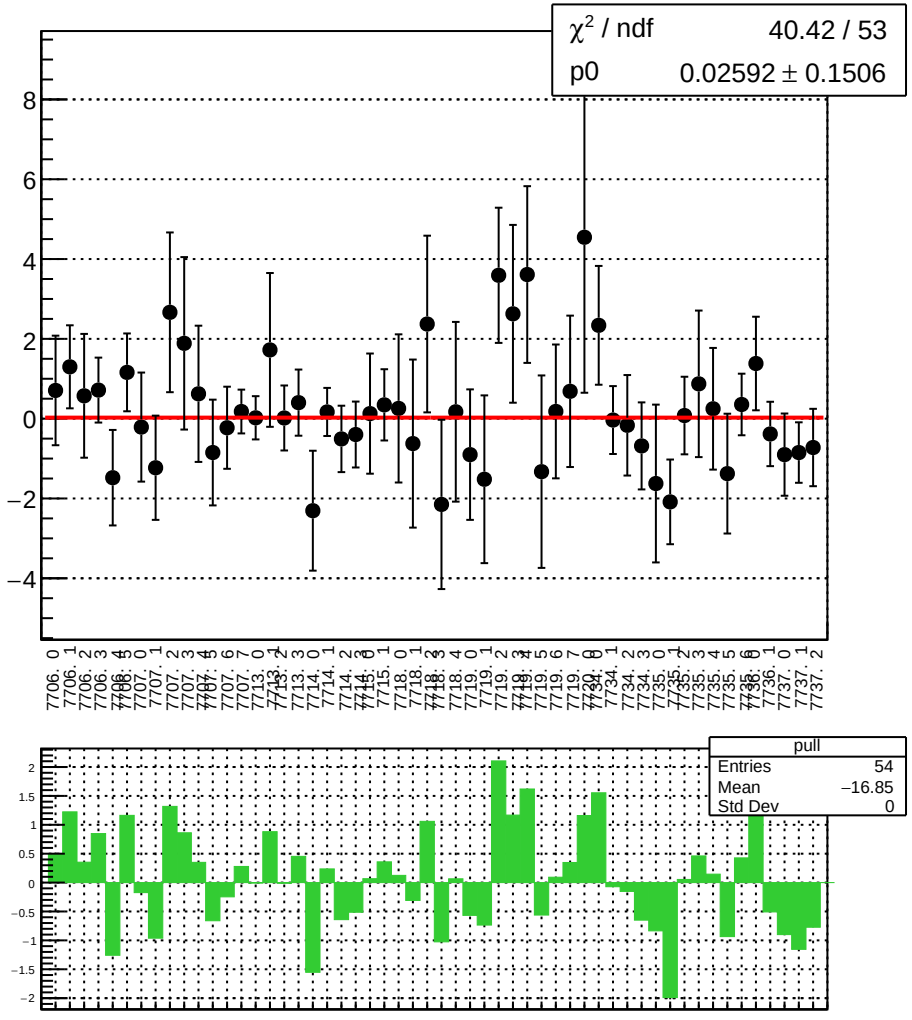

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.27 / 53
p0 −1.173e−13 ± 6.348e−13
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean −124.5
Std Dev 0
pull1D
Entries 54
Mean 0.03096
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

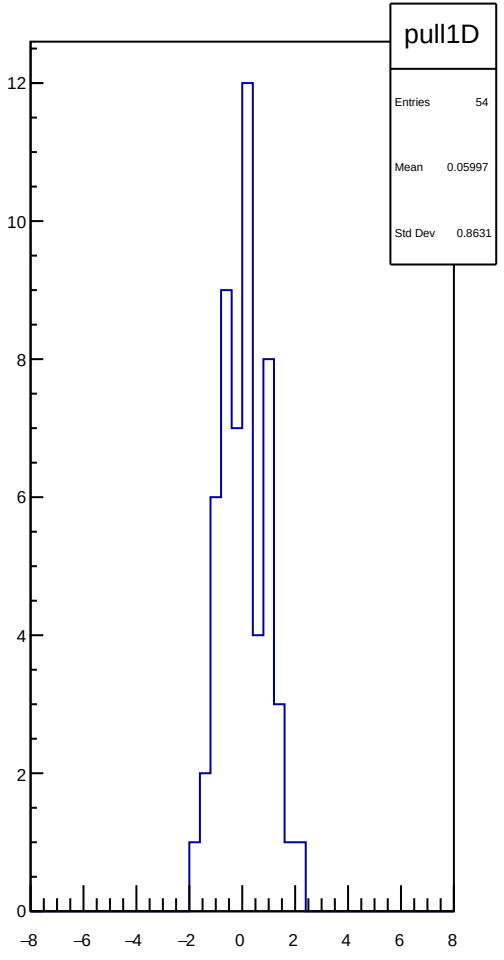

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.192e+05 / 53
p0 2.987e−10 ± 4.489e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

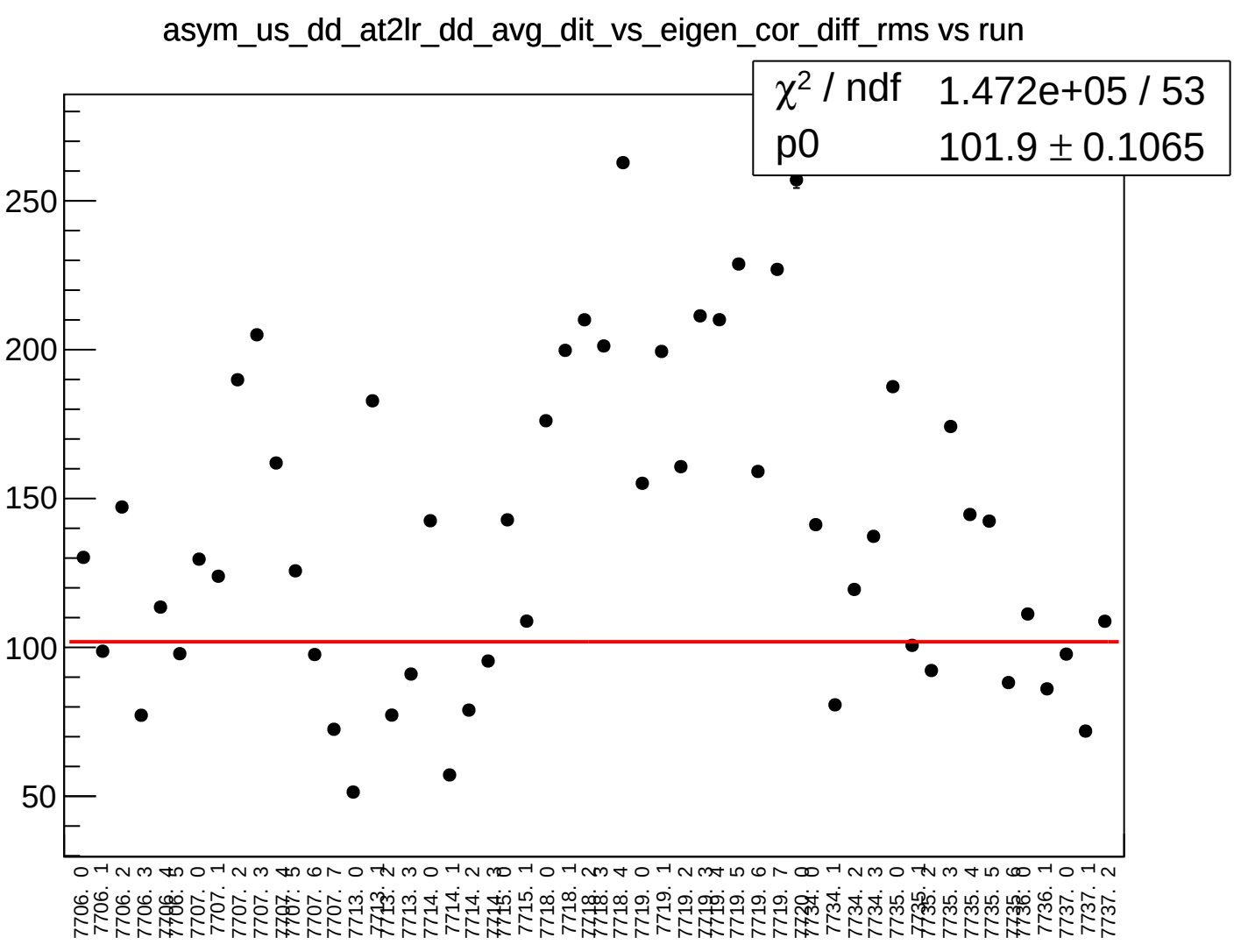

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.42 / 53
p0 0.02592 ± 0.1506
pull
Entries 54
Mean −16.85
Std Dev 0
pull1D
Entries 54
Mean 0.05997
Std Dev 0.8631

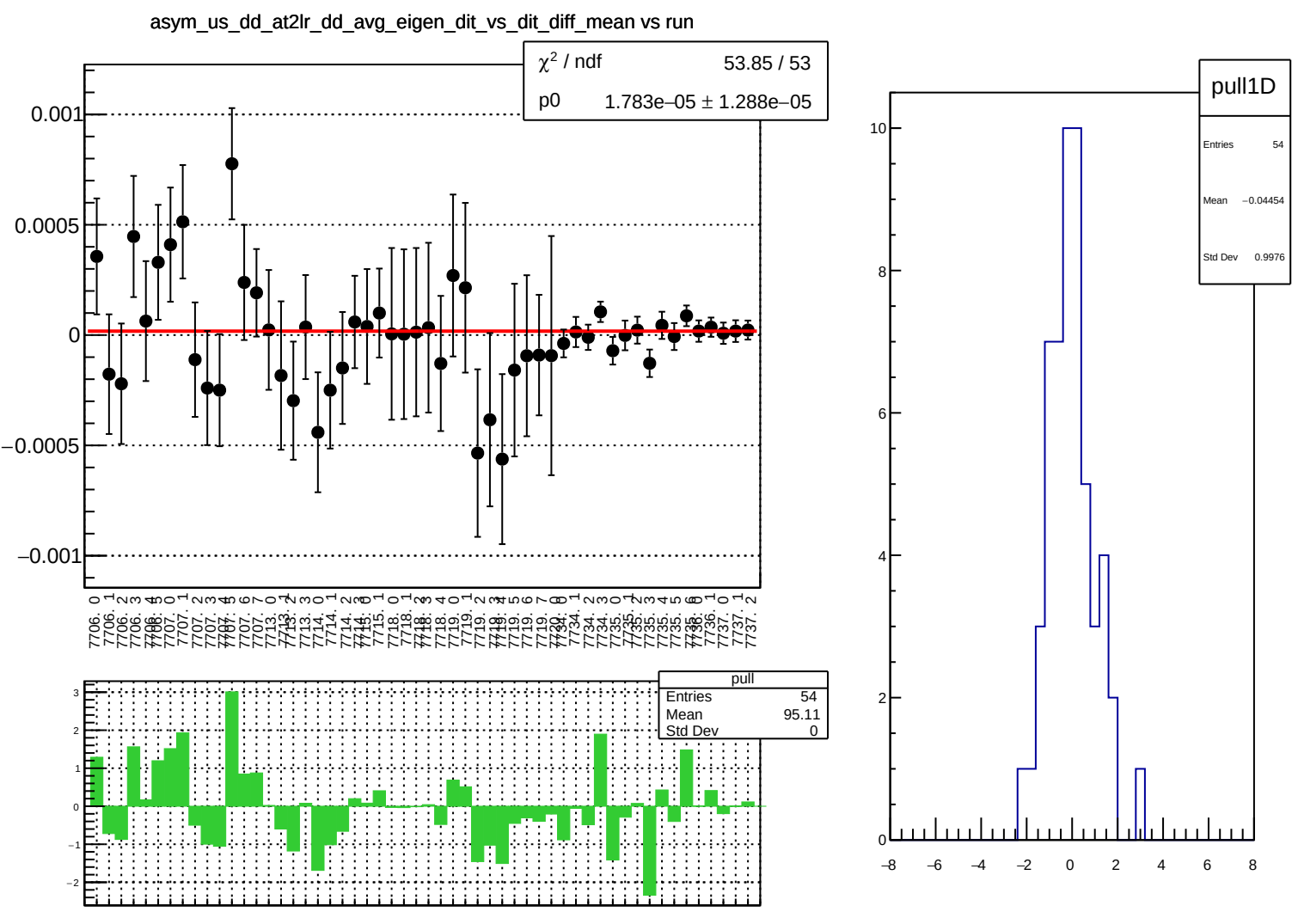

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.472e+05 / 53
p0 101.9 ± 0.1065
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

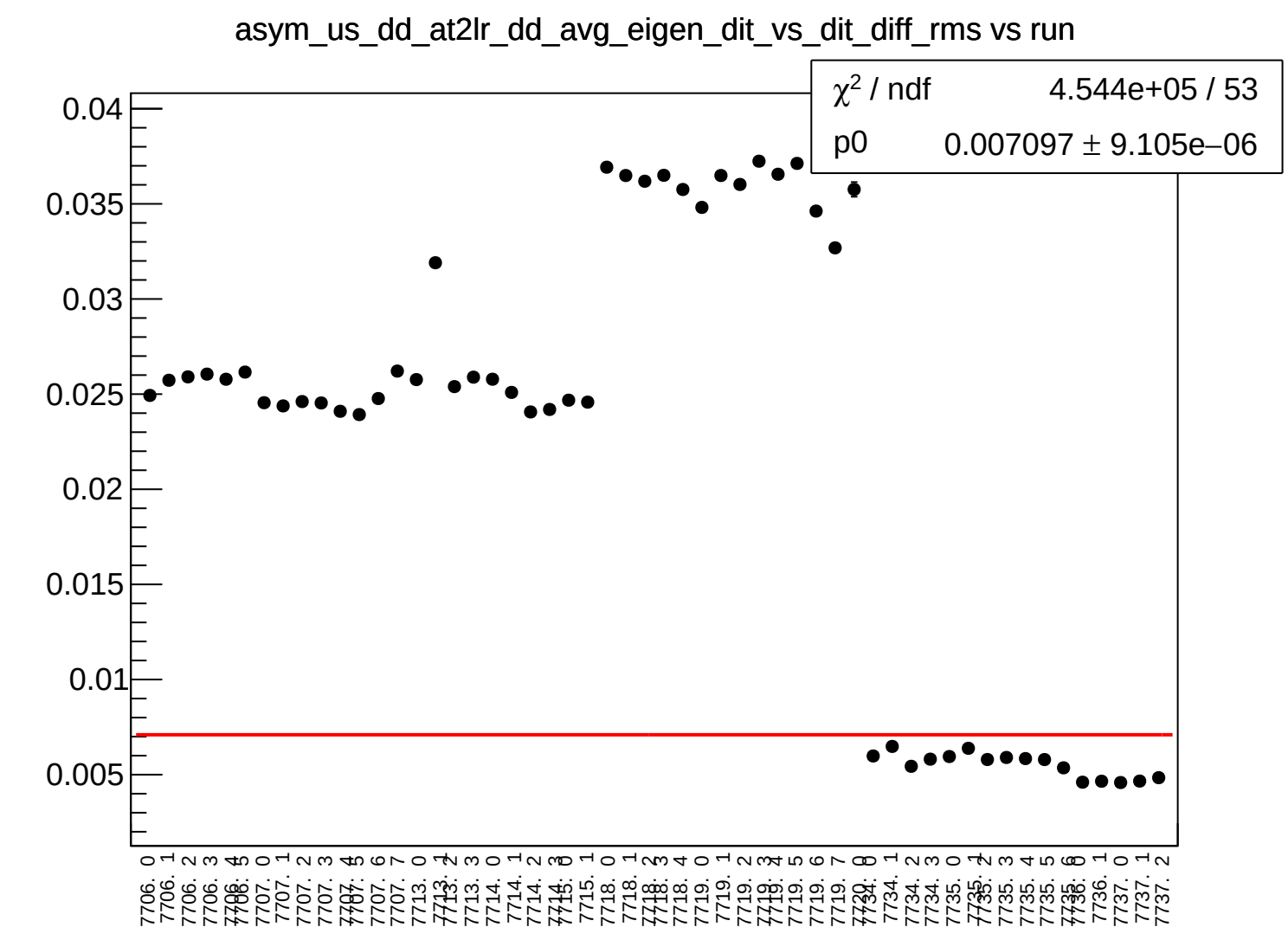
asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run



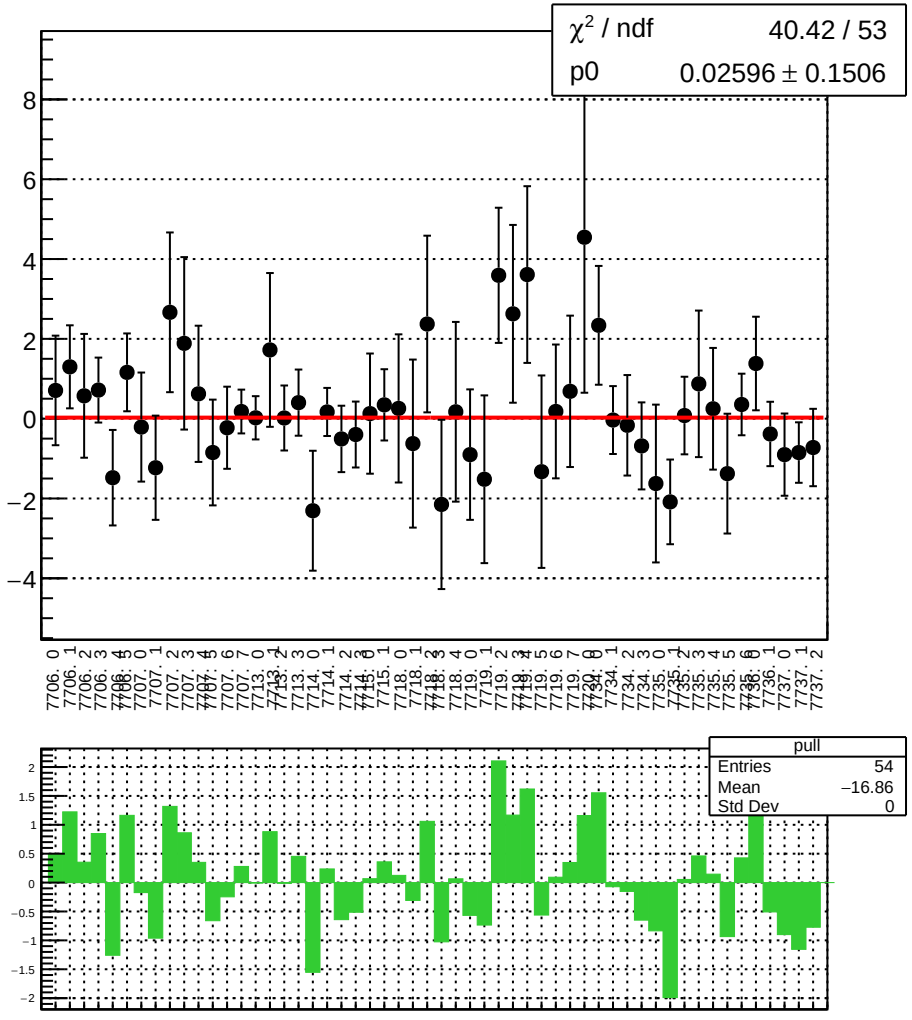


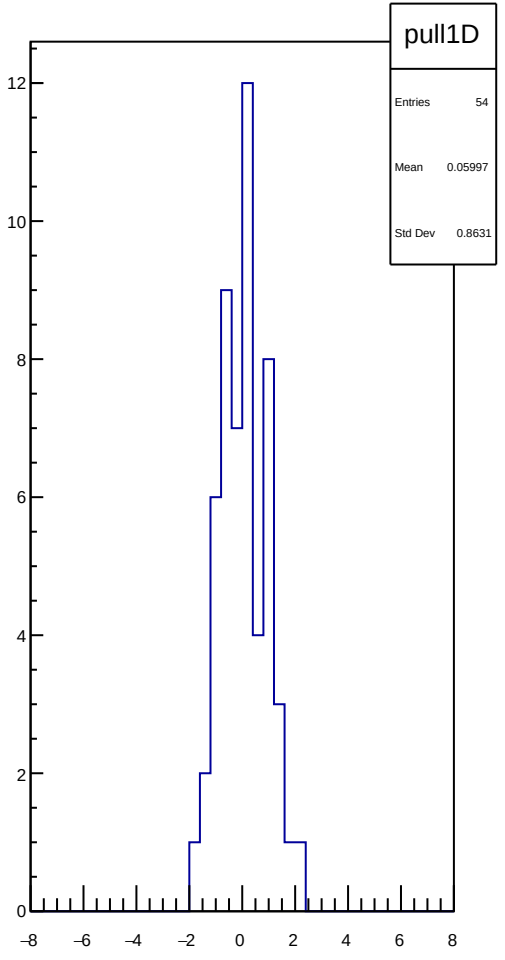

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.472e+05 / 53
p0 101.9 ± 0.1065
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

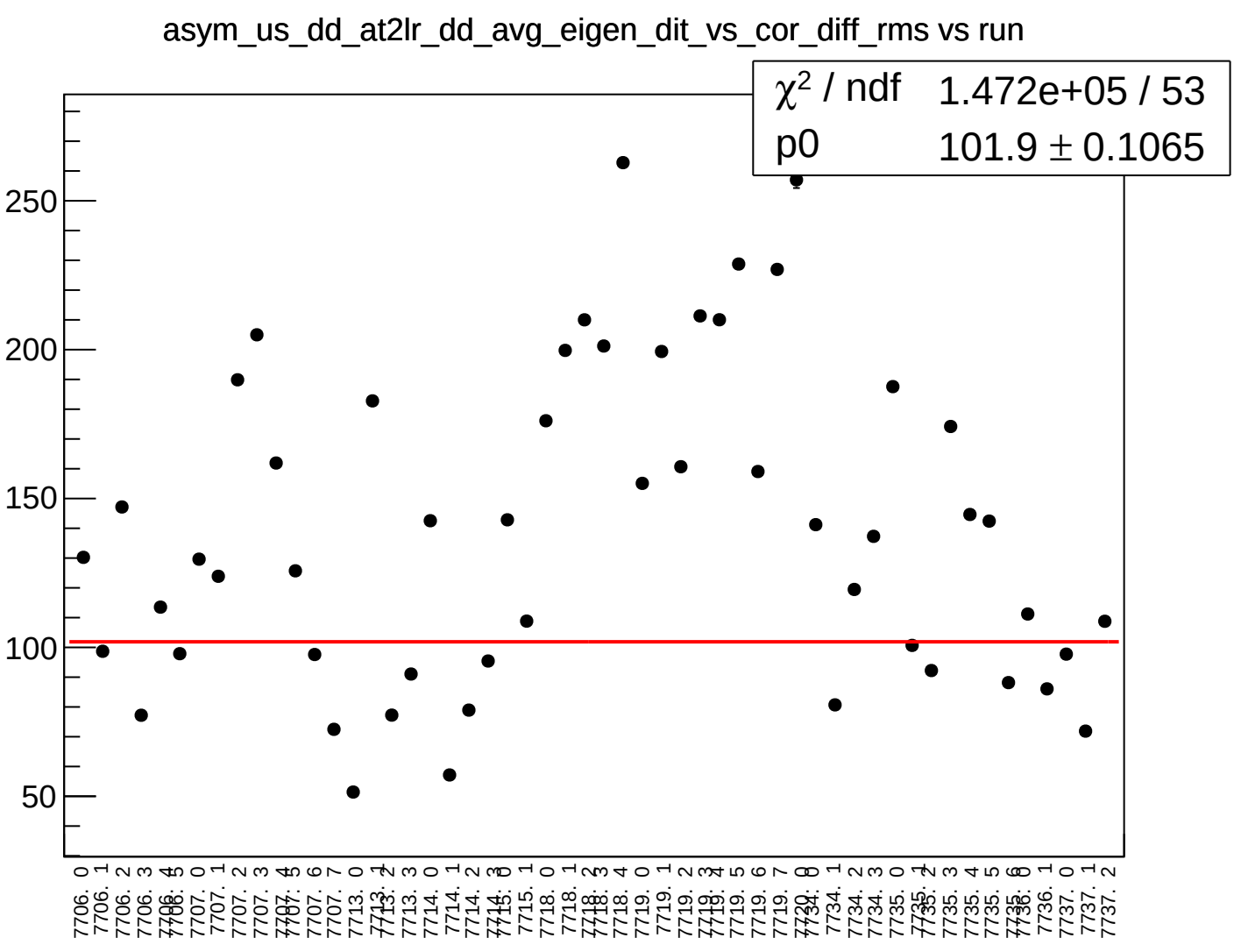

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.85 / 53
p0 1.783e−05 ± 1.288e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 95.11
Std Dev 0
pull1D
Entries 54
Mean −0.04454
Std Dev 0.9976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.544e+05 / 53
p0 0.007097 ± 9.105e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

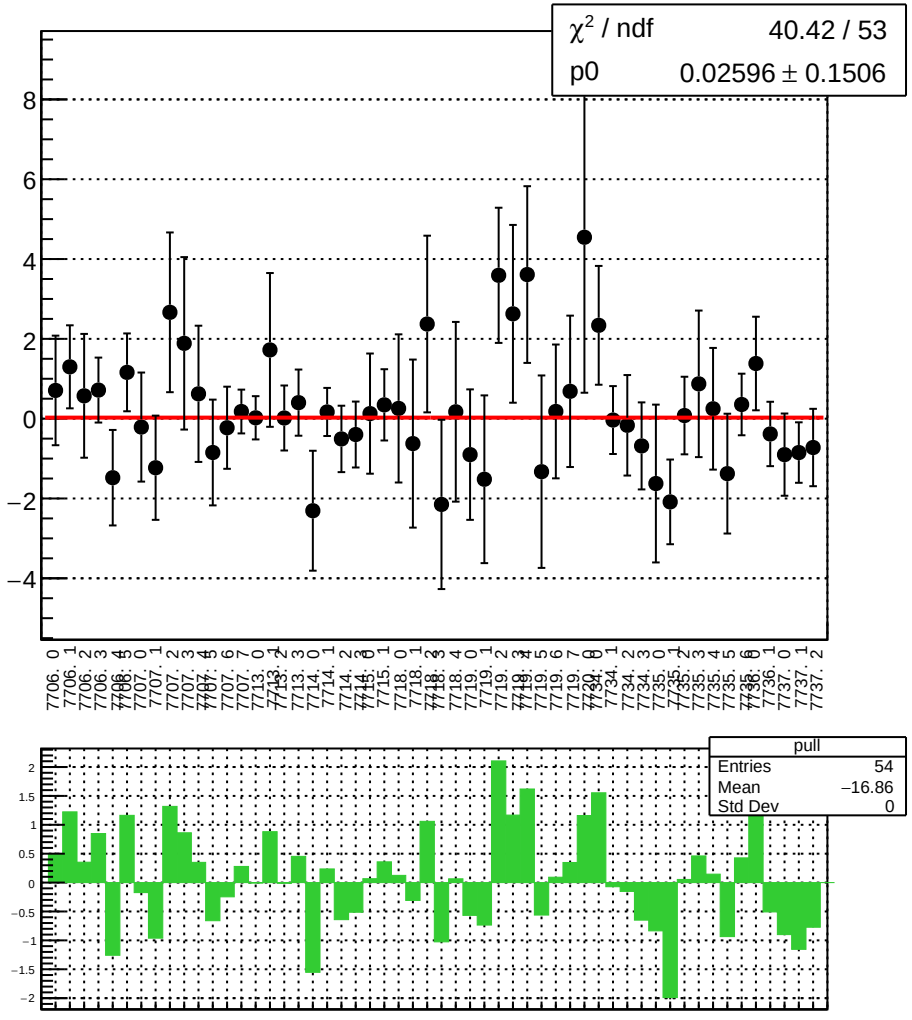
asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run

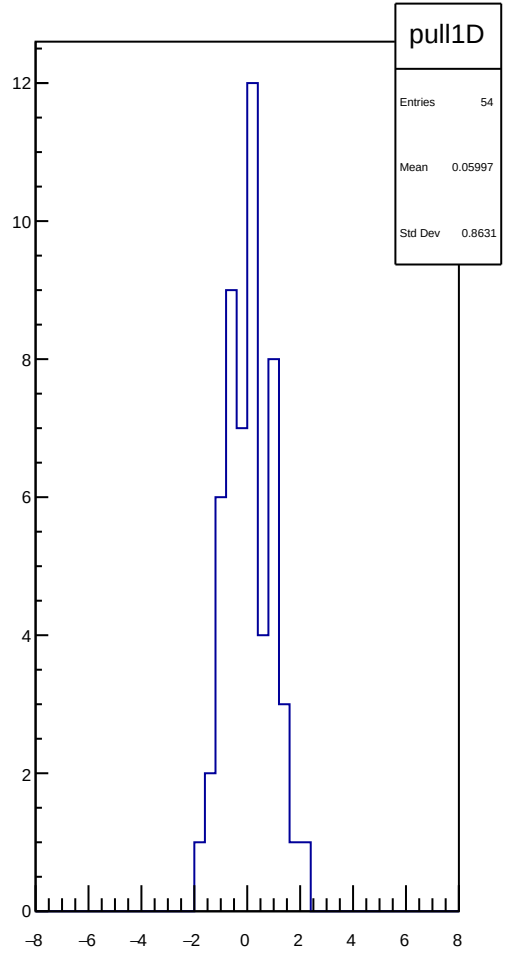


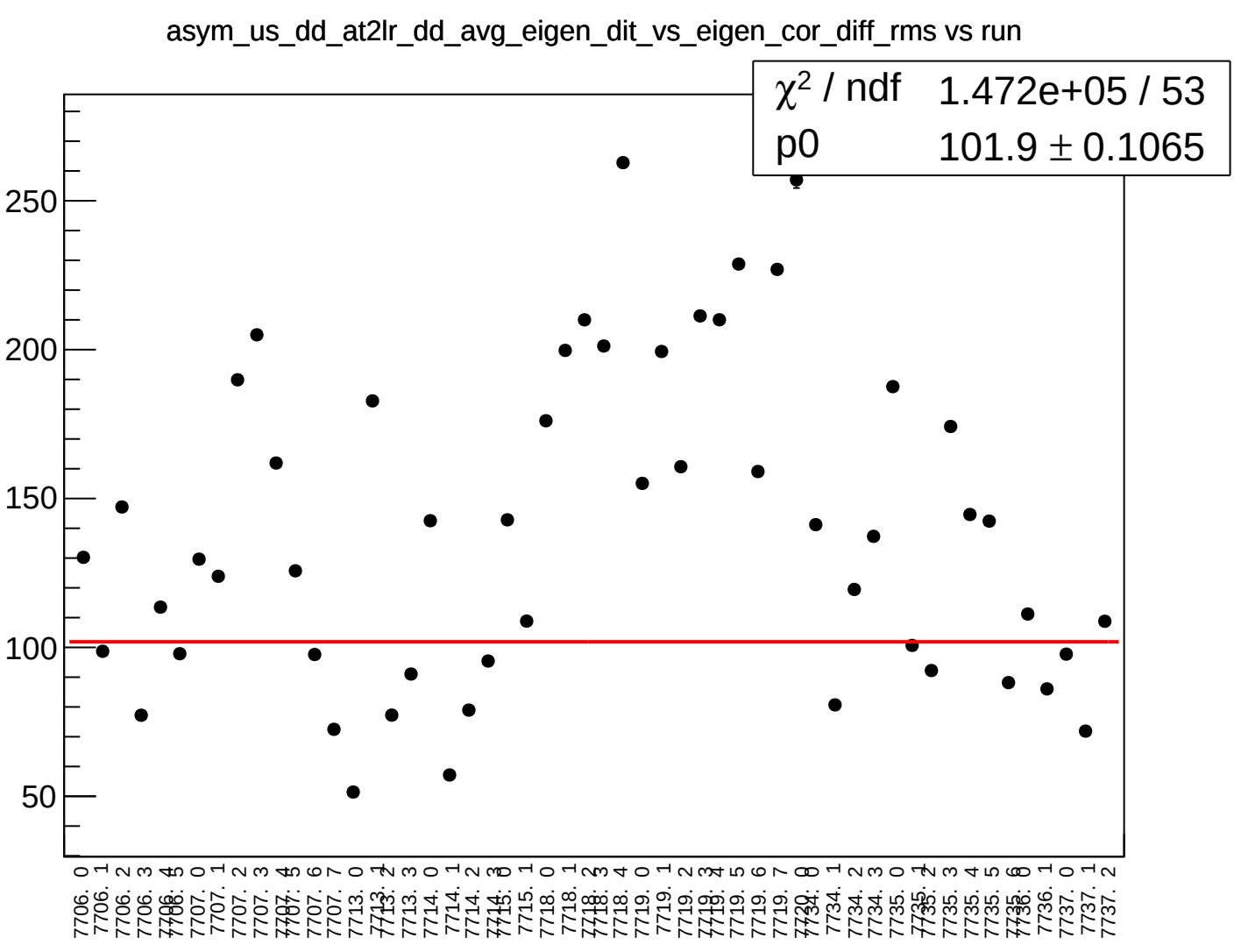


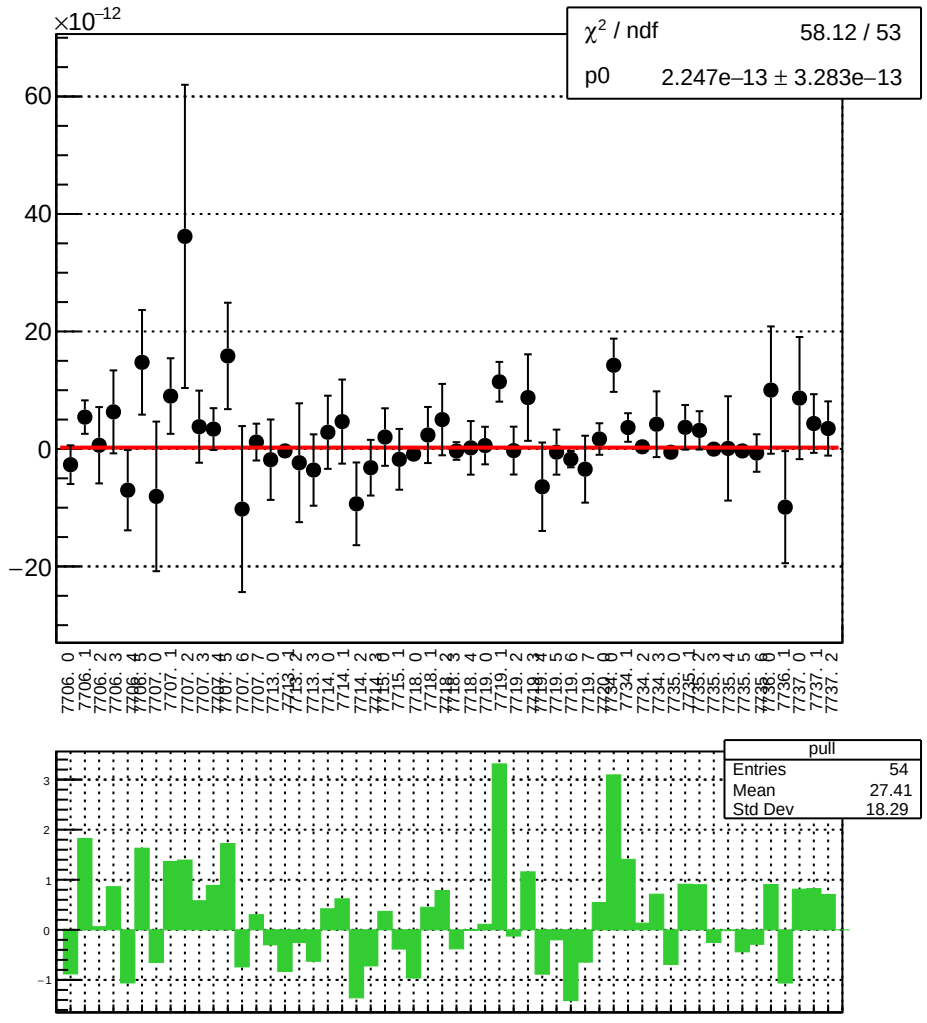

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.472e+05 / 53
p0 101.9 ± 0.1065
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

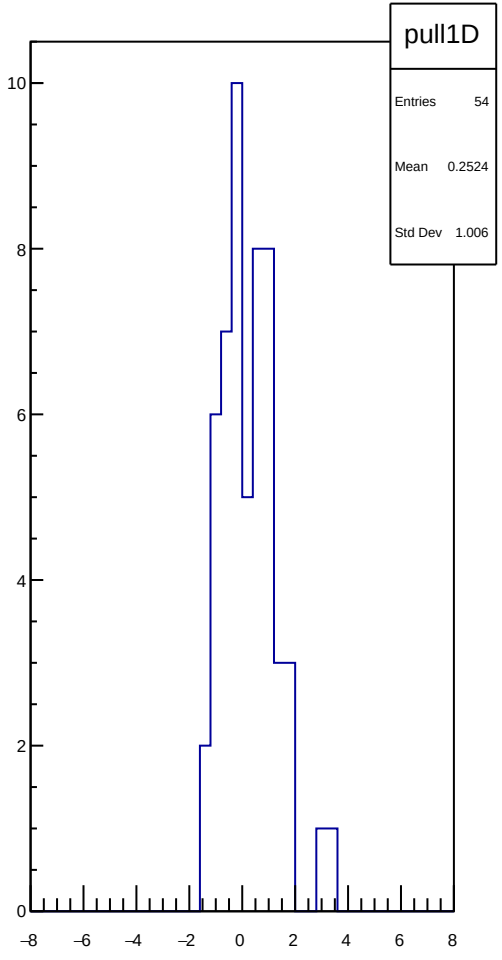
asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

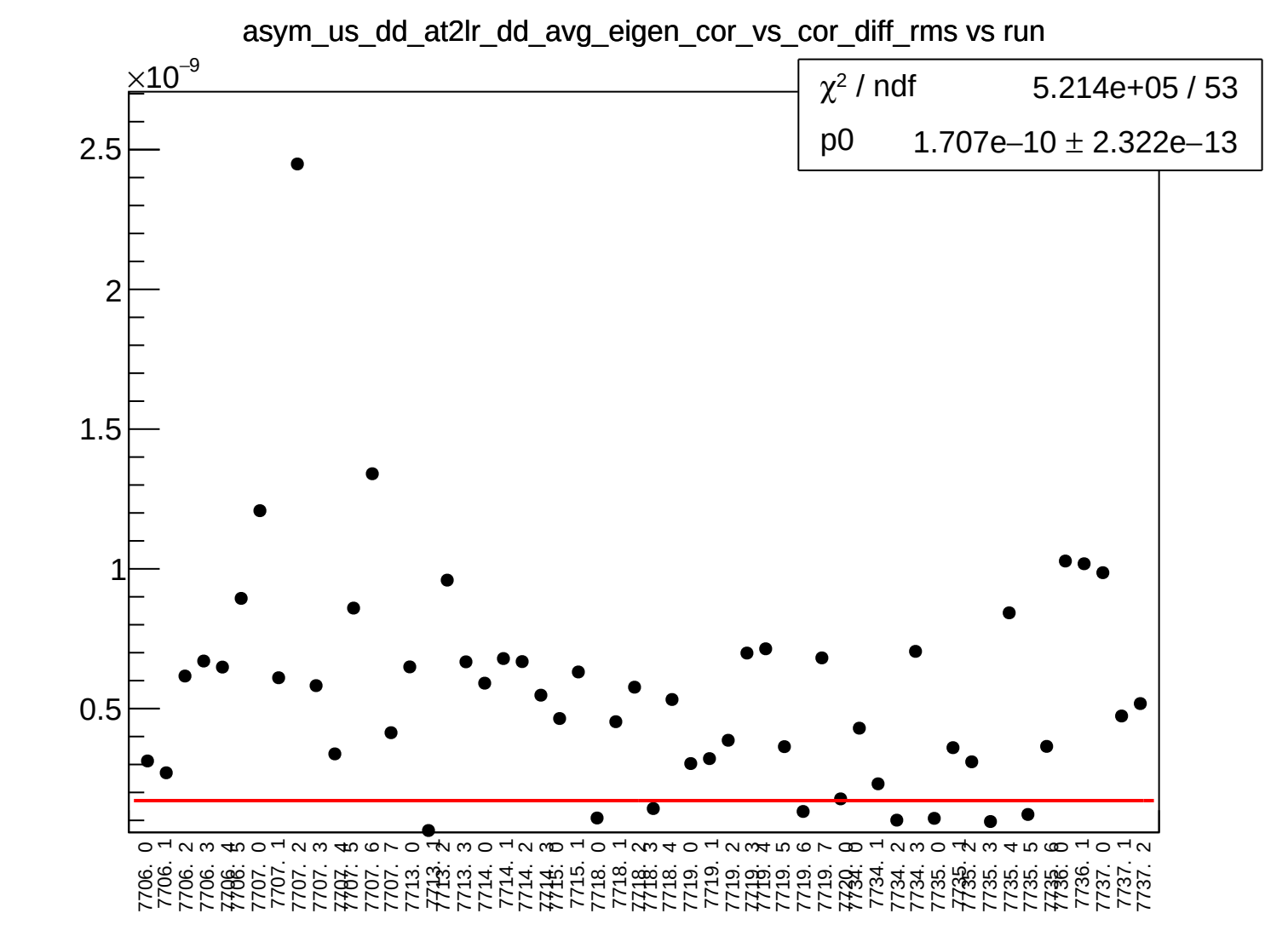


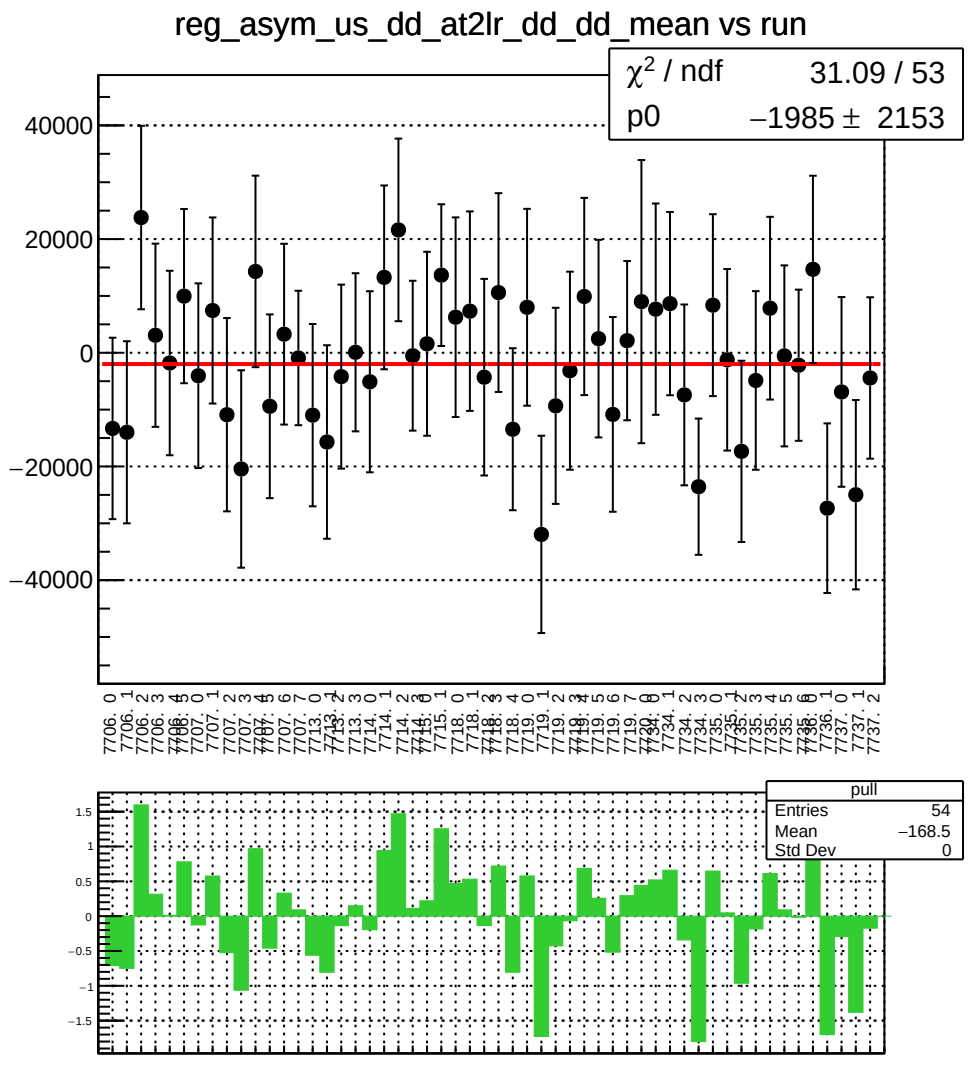


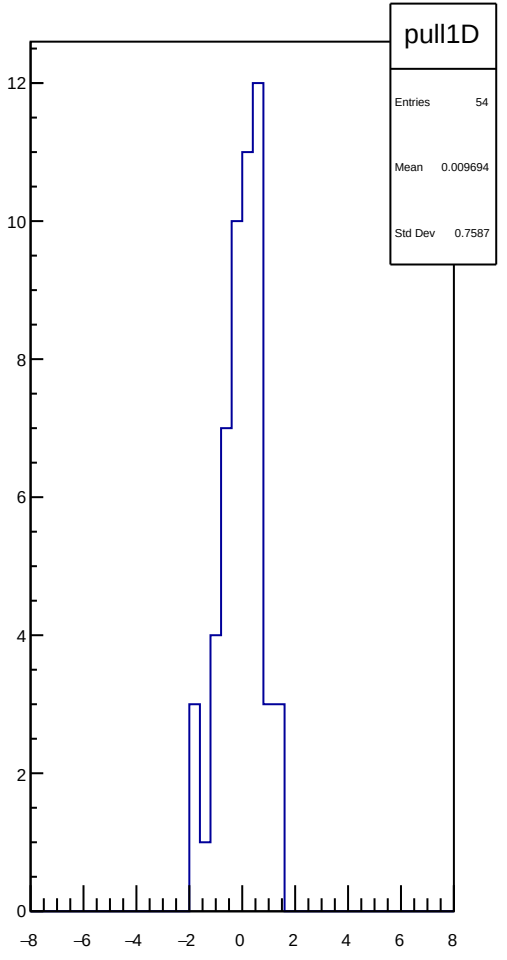

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.472e+05 / 53
p0 101.9 ± 0.1065
250
200
150
100
50

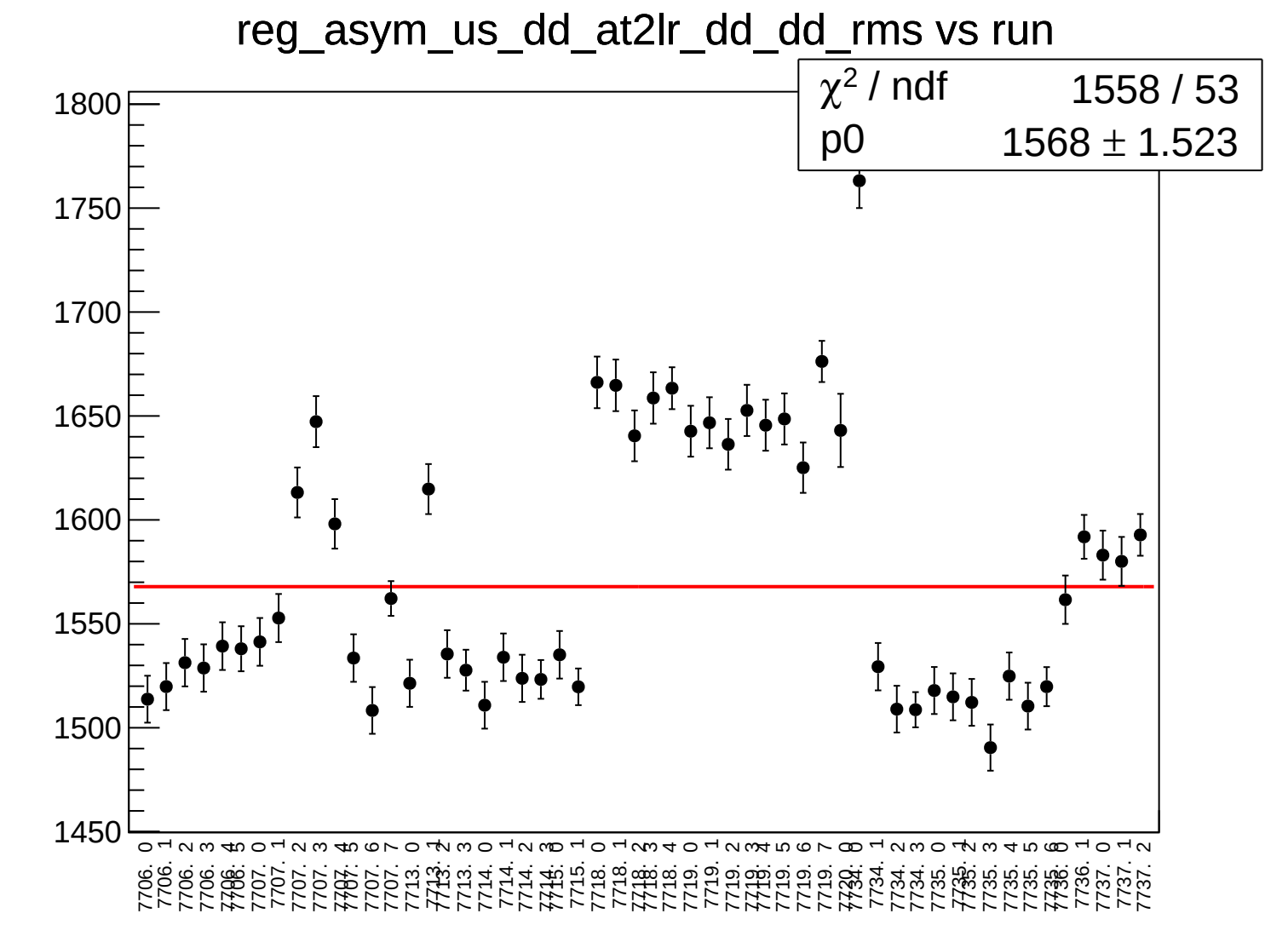

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.12 / 53
p0 2.247e−13 ± 3.283e−13
60
40
20
0
−20
pull
Entries 54
Mean 27.41
Std Dev 18.29
3
2
1
0
−1

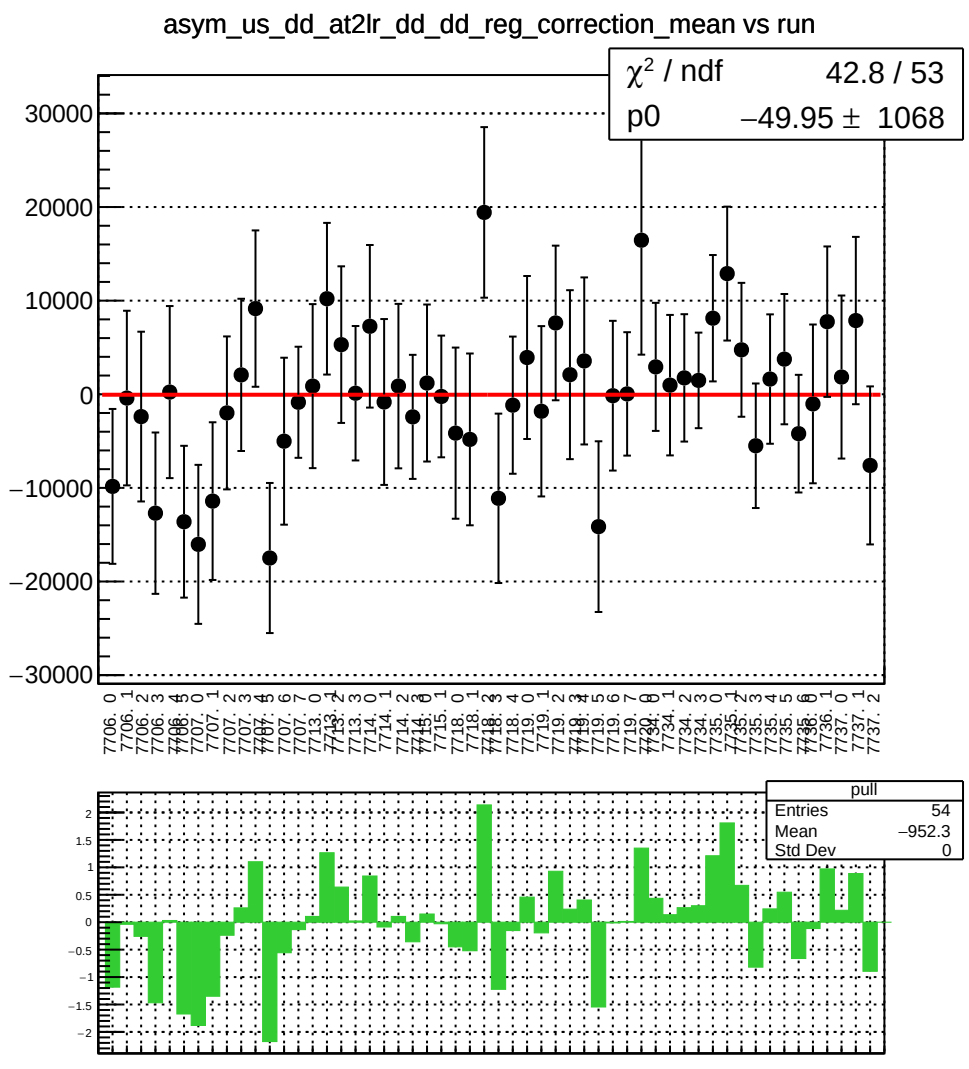

pull1D
Entries 54
Mean 0.2524
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

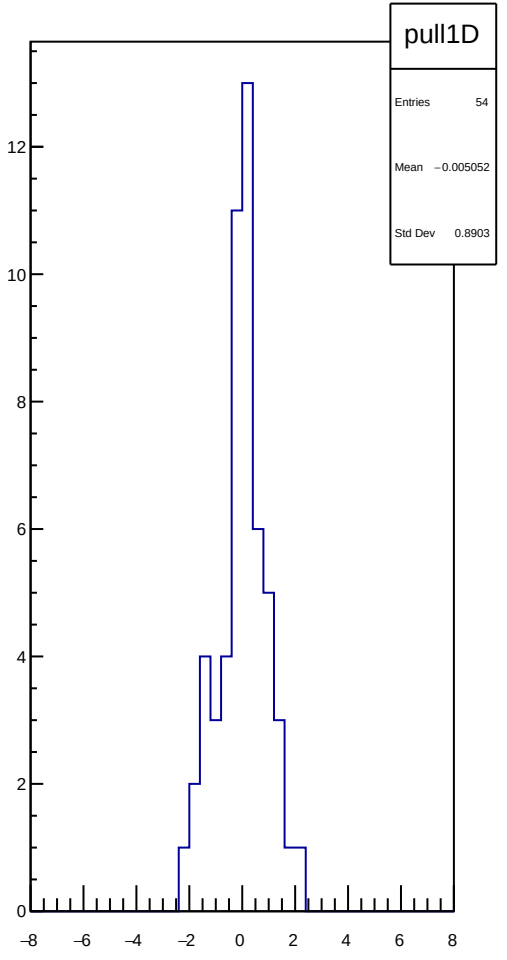

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.214e+05 / 53
p0 1.707e−10 ± 2.322e−13
2.5
2
1.5
1
0.5

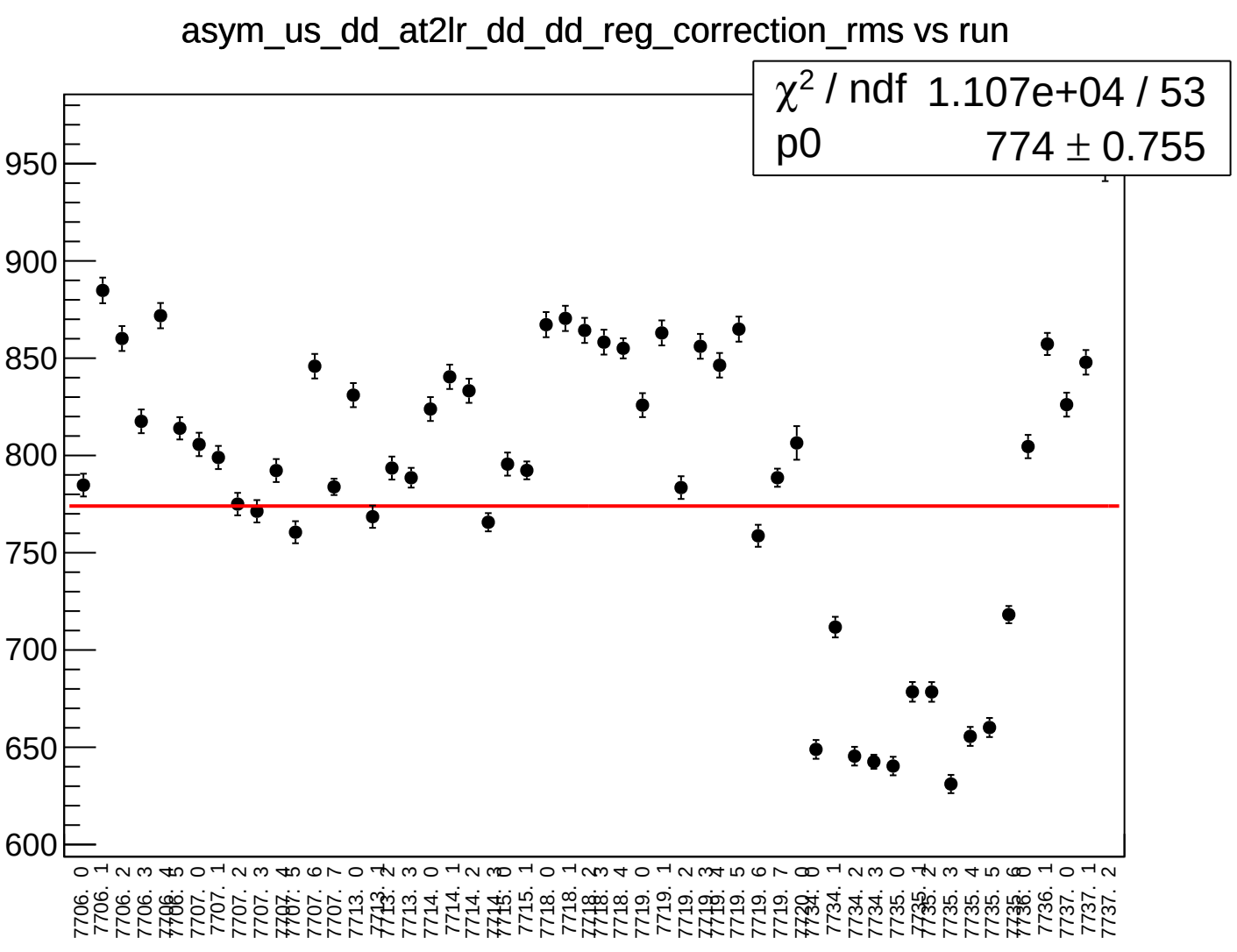

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 31.09 / 53
p0 −1985 ± 2153
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −168.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

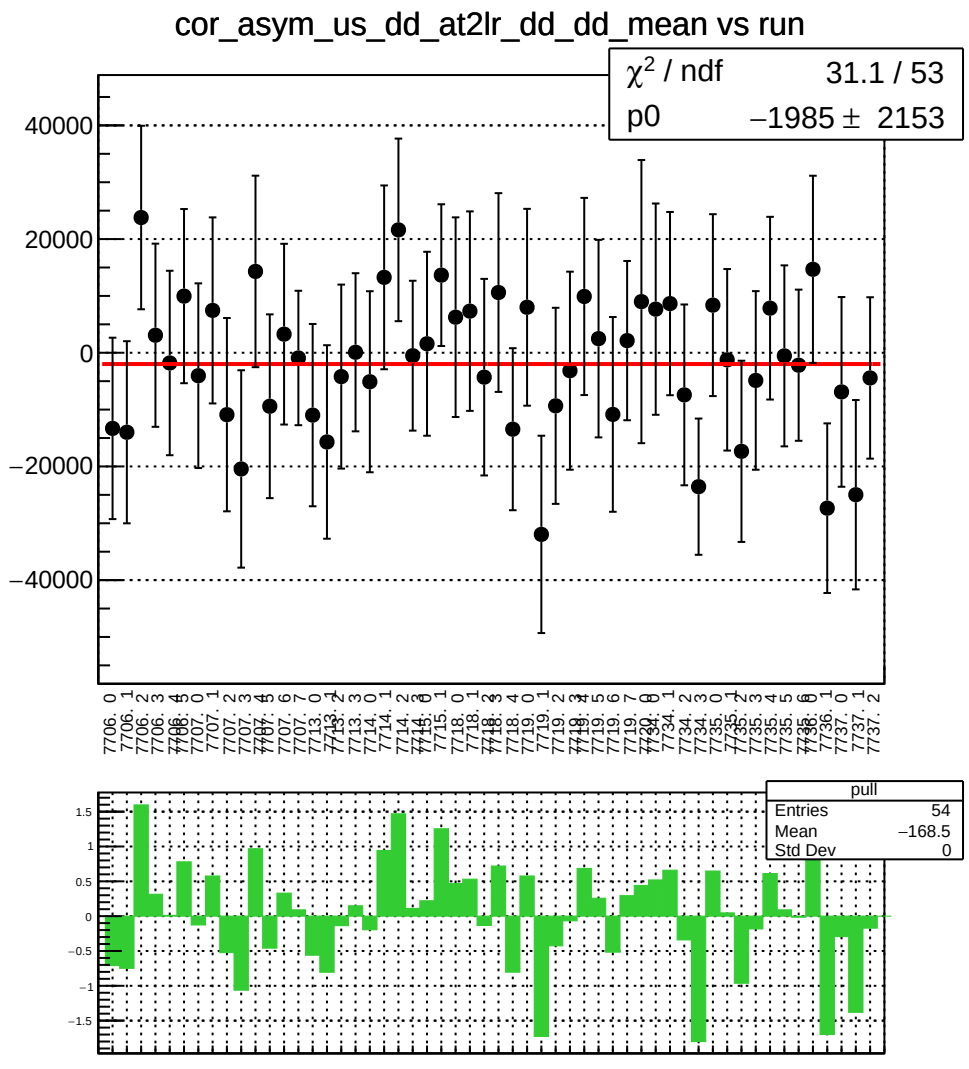

pull1D
Entries 54
Mean 0.009694
Std Dev 0.7587
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

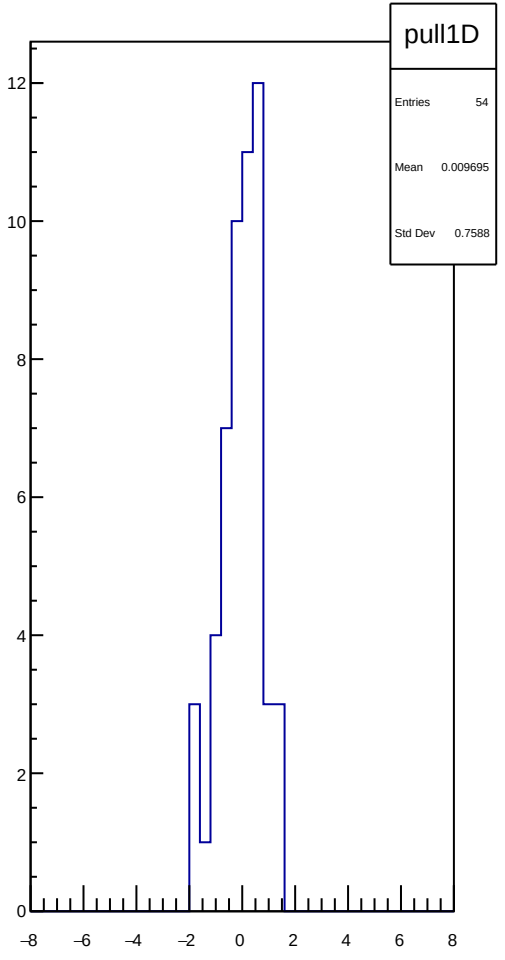

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1558 / 53
p0 1568 ± 1.523
1800
1750
1700
1650
1600
1550
1500
1450
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

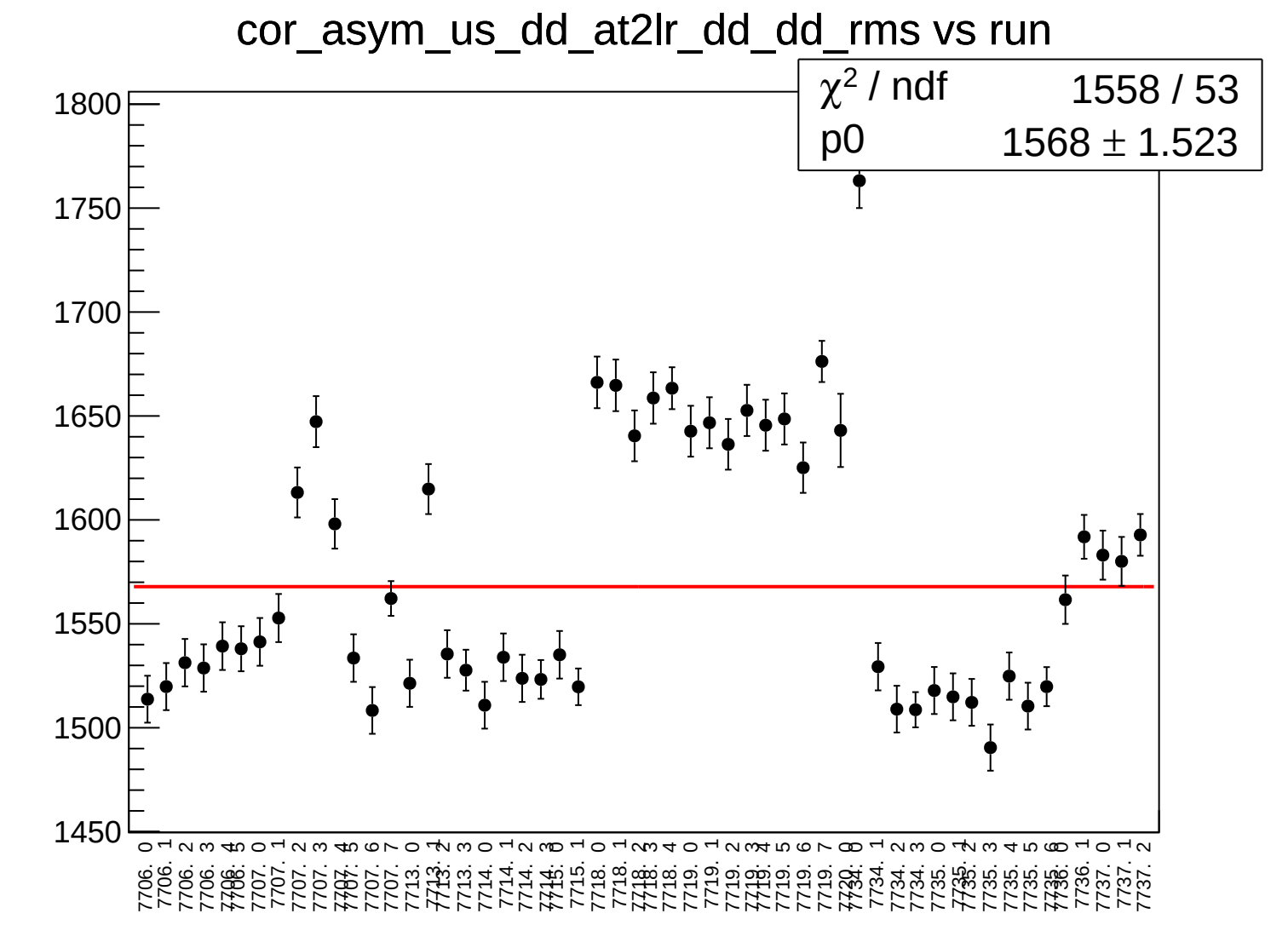

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 42.8 / 53
p0 −49.95 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −952.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

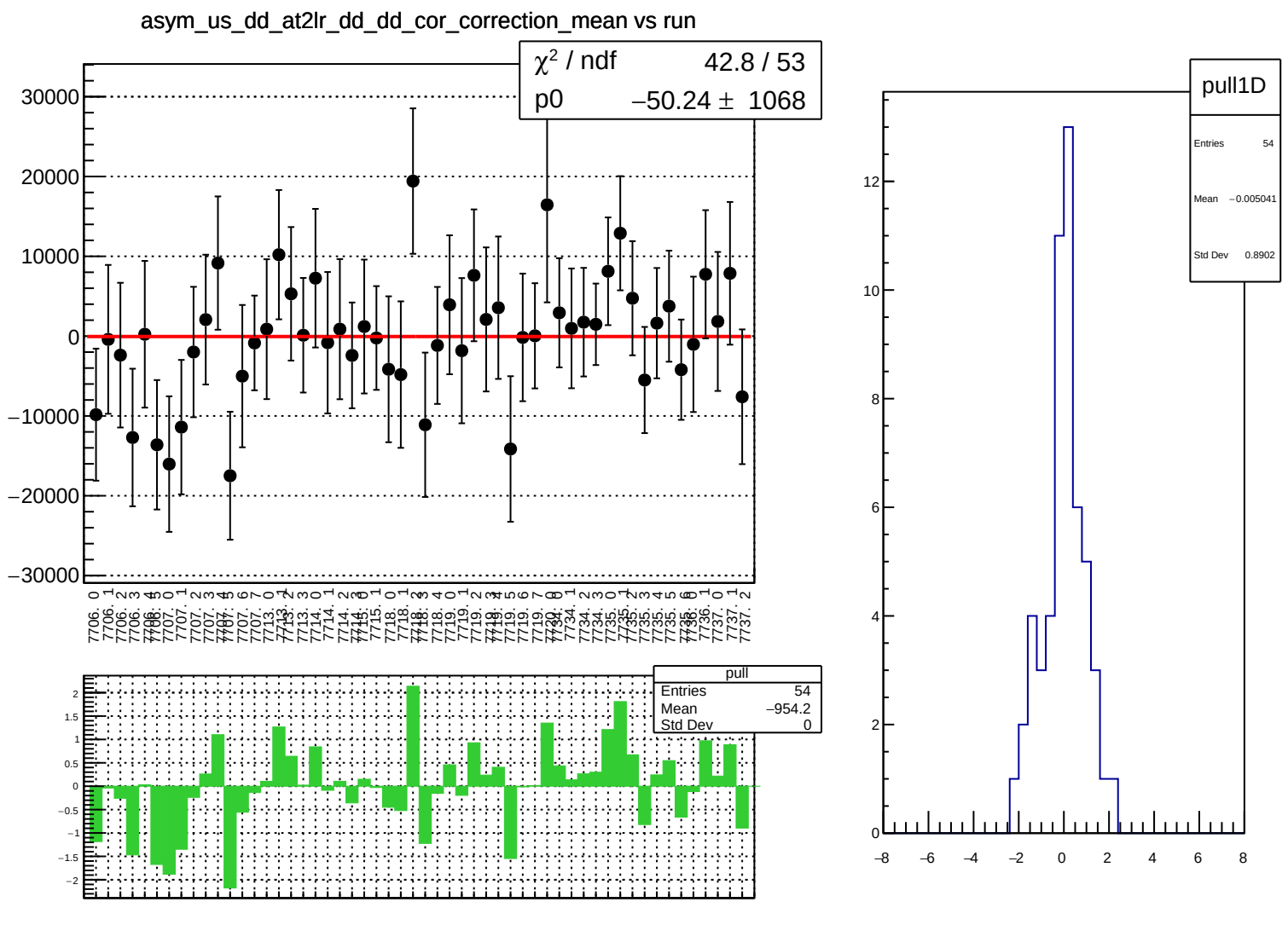

pull1D
Entries 54
Mean −0.005052
Std Dev 0.8903
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

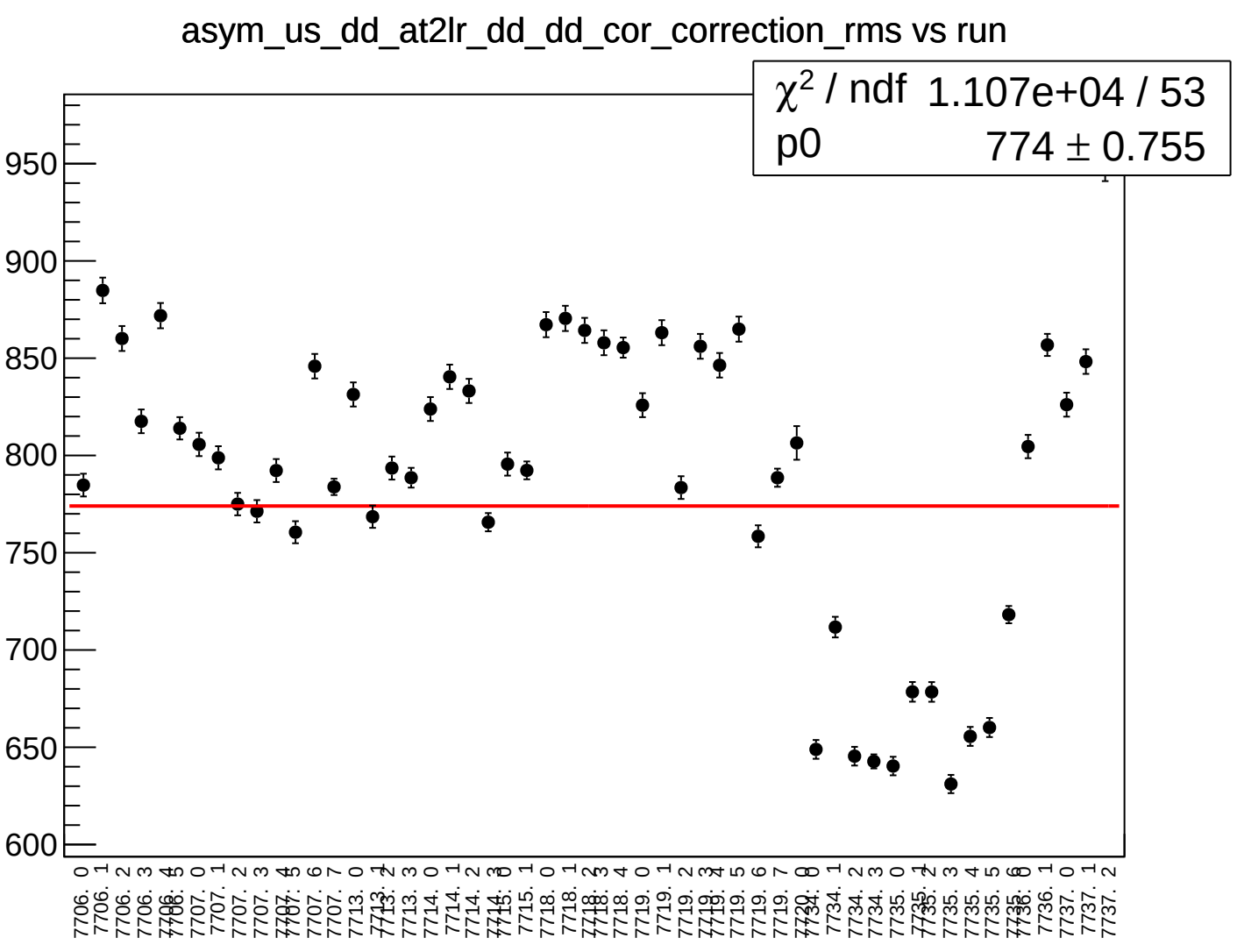

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.107e+04 / 53
p0 774 ± 0.755
950
900
850
800
750
700
650
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

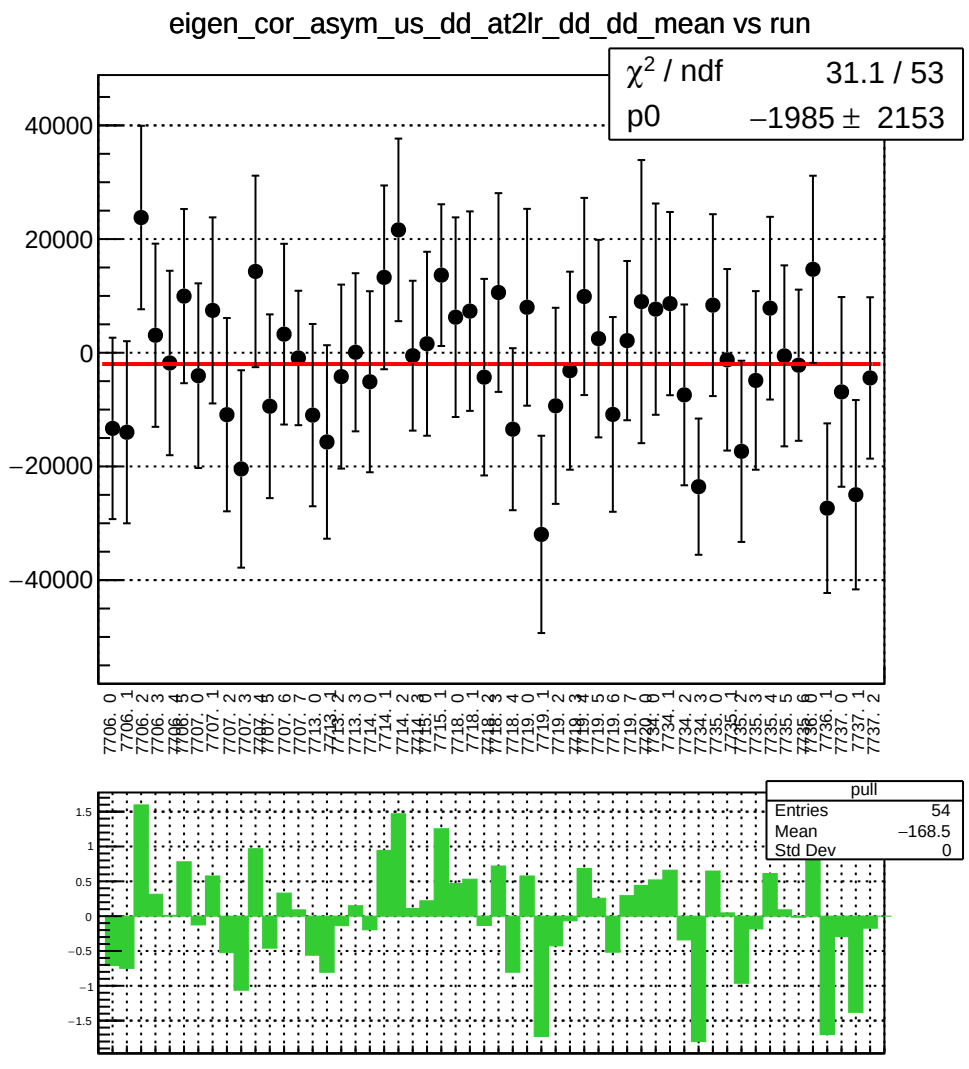

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 31.1 / 53
p0 −1985 ± 2153
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −168.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

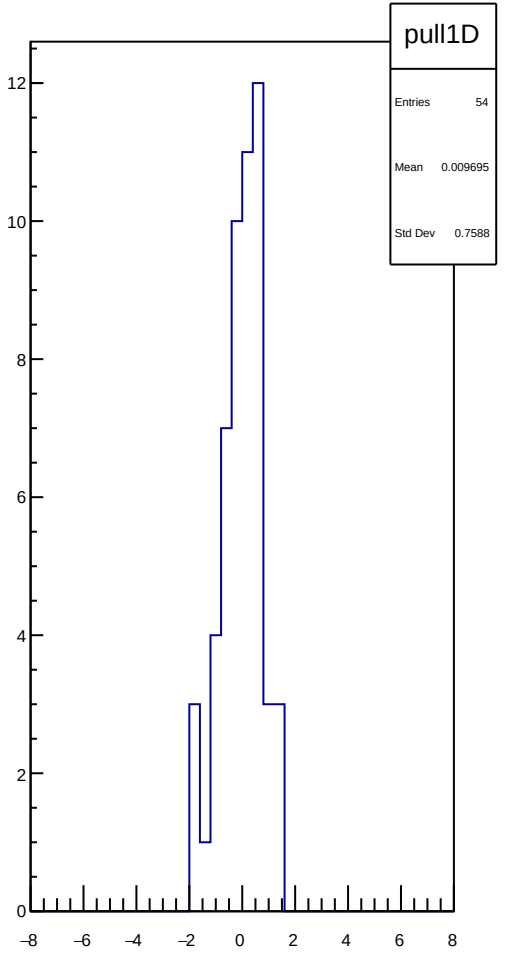

pull1D
Entries 54
Mean 0.009695
Std Dev 0.7588
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

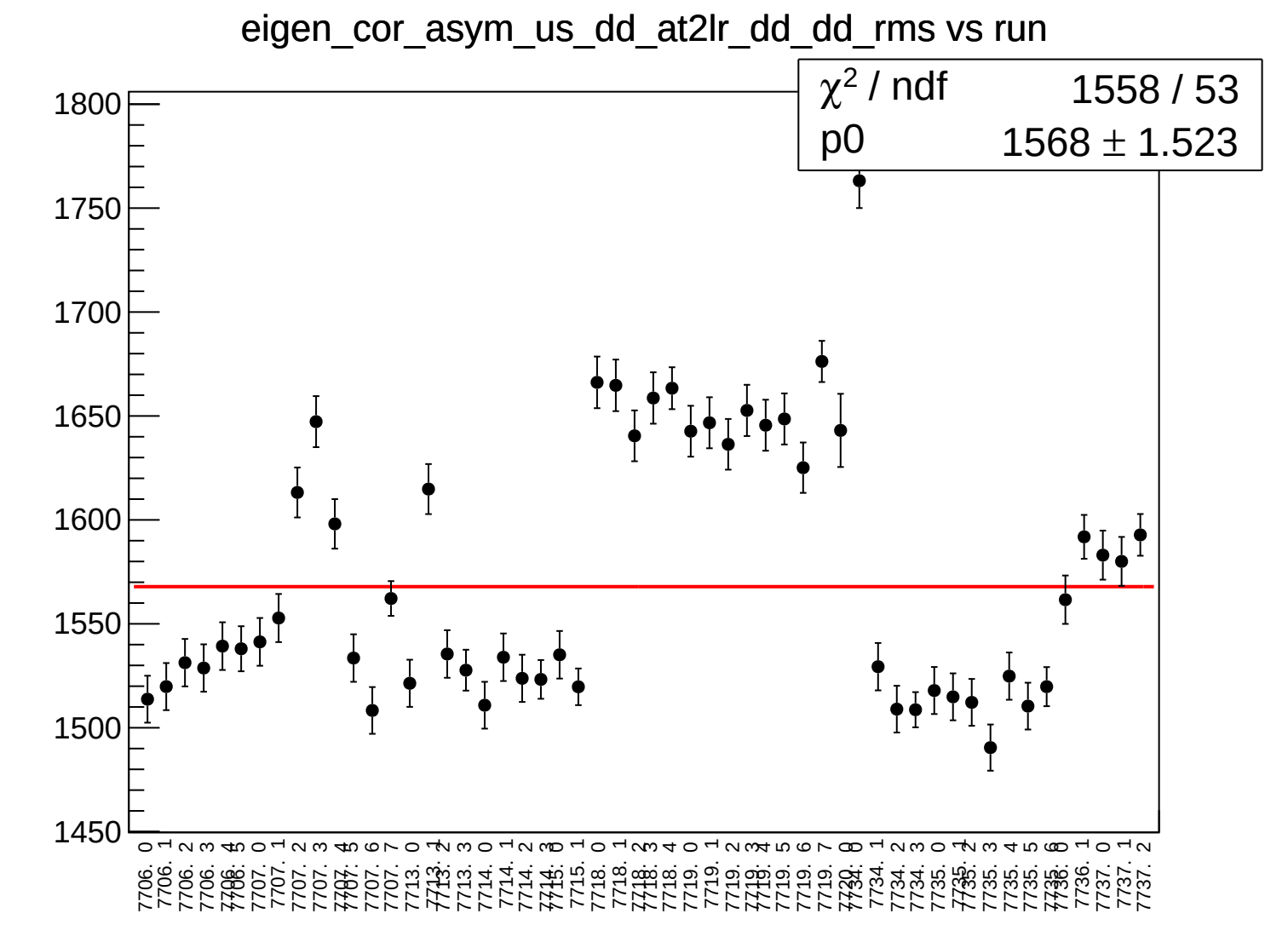

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1558 / 53
p0 1568 ± 1.523
1800
1750
1700
1650
1600
1550
1500
1450
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

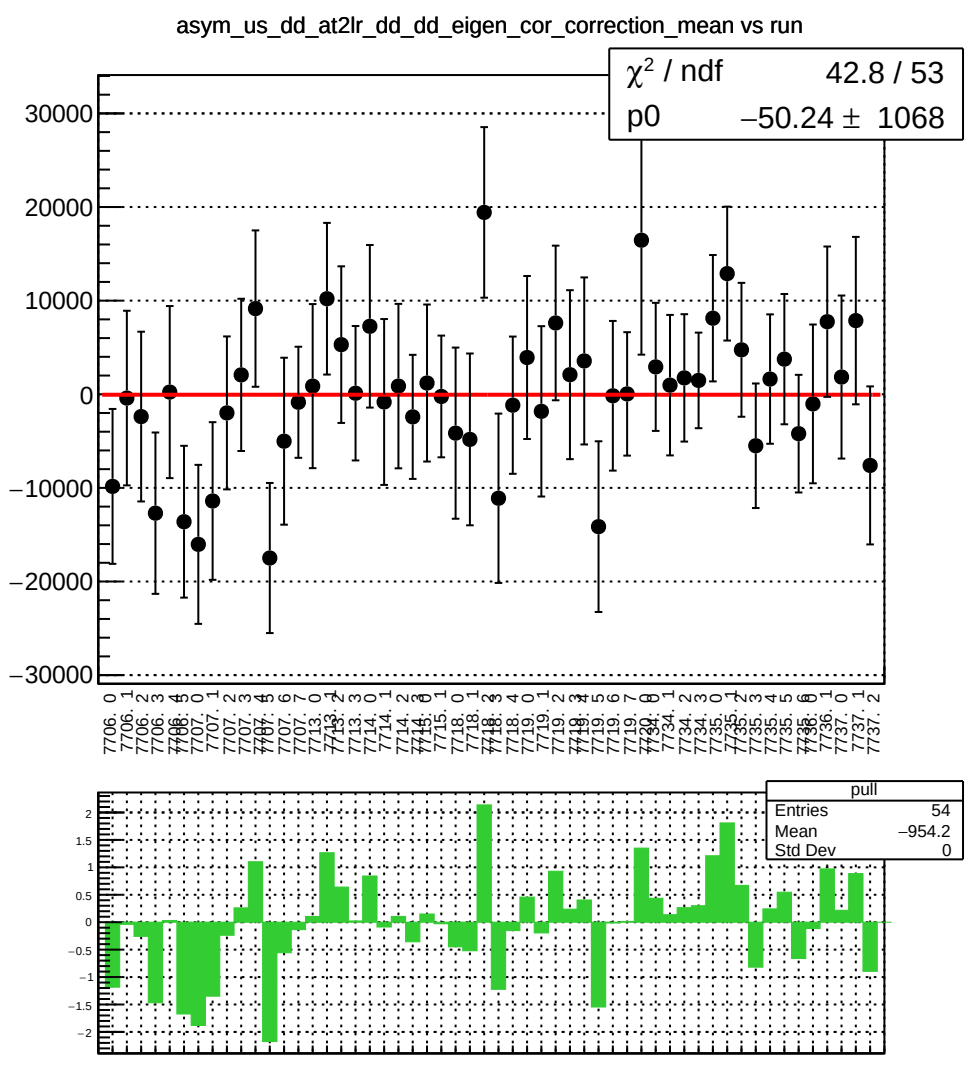

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 42.8 / 53
p0 −50.24 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −954.2
Std Dev 0
pull1D
Entries 54
Mean −0.005041
Std Dev 0.8902

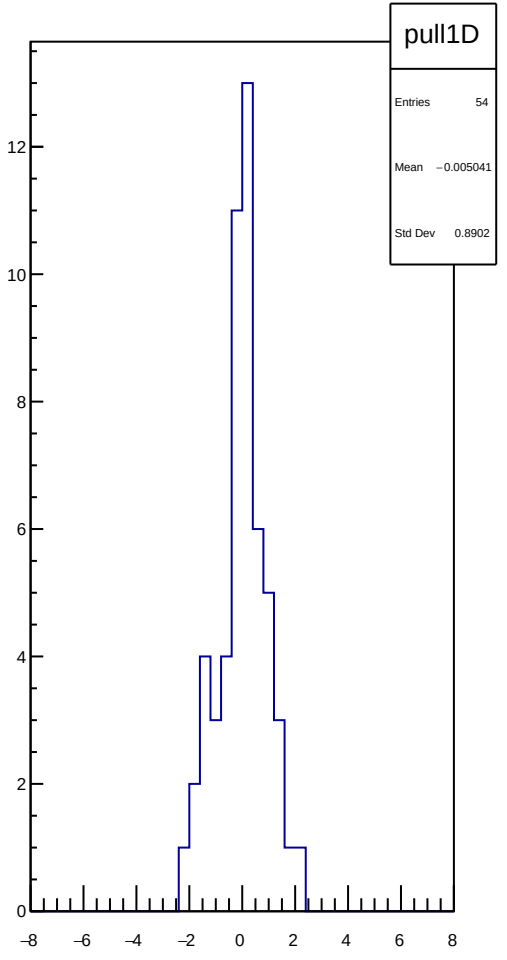

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.107e+04 / 53
p0 774 ± 0.755
950
900
850
800
750
700
650
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

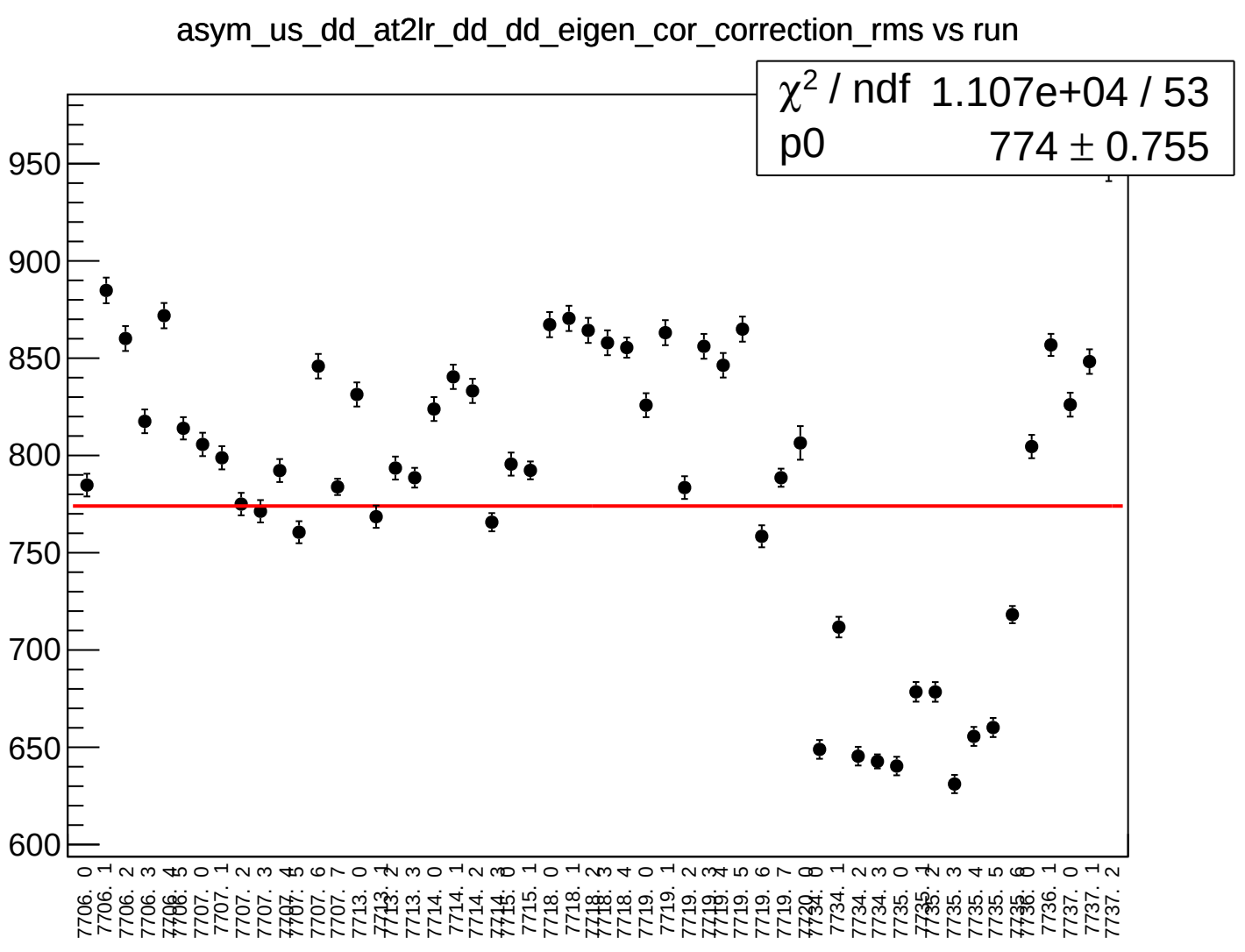

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 31.1 / 53
p0 −1985 ± 2153
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −168.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

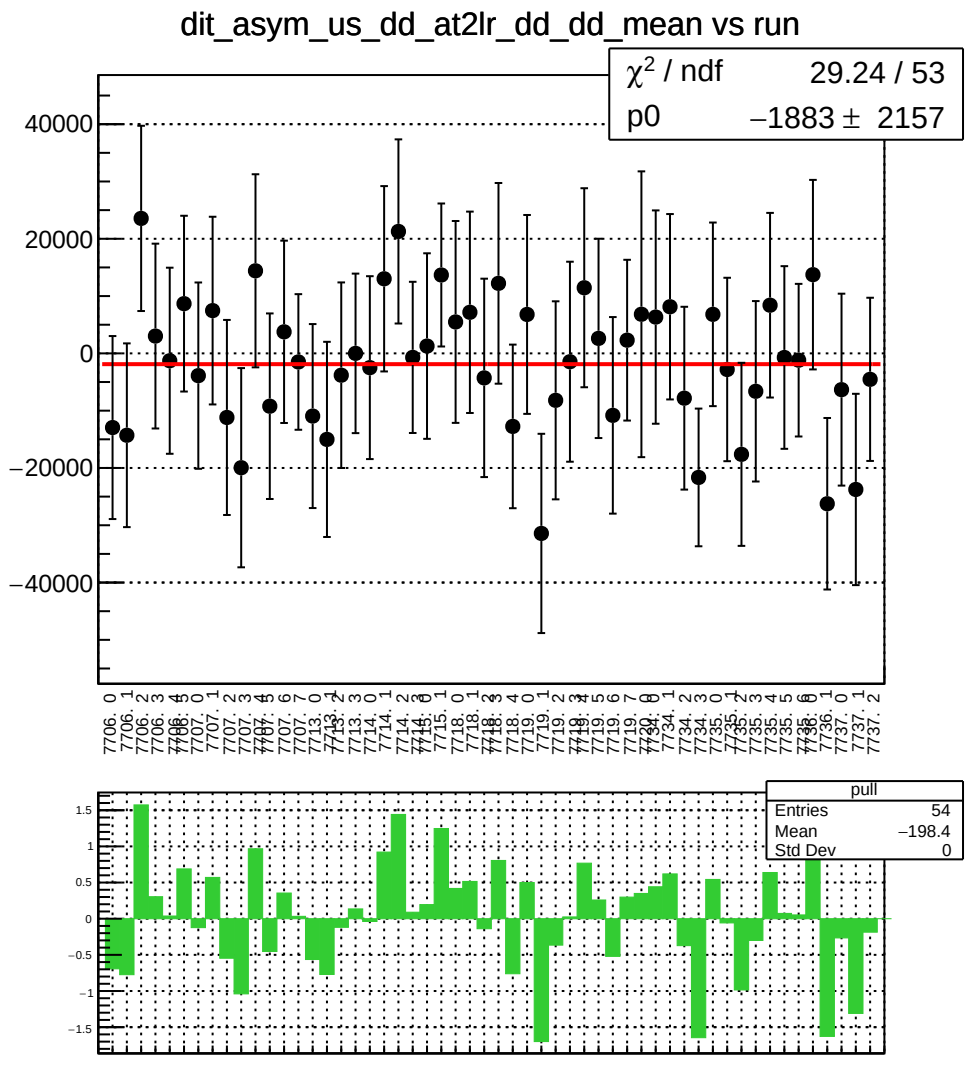

pull1D
Entries 54
Mean 0.009695
Std Dev 0.7588
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

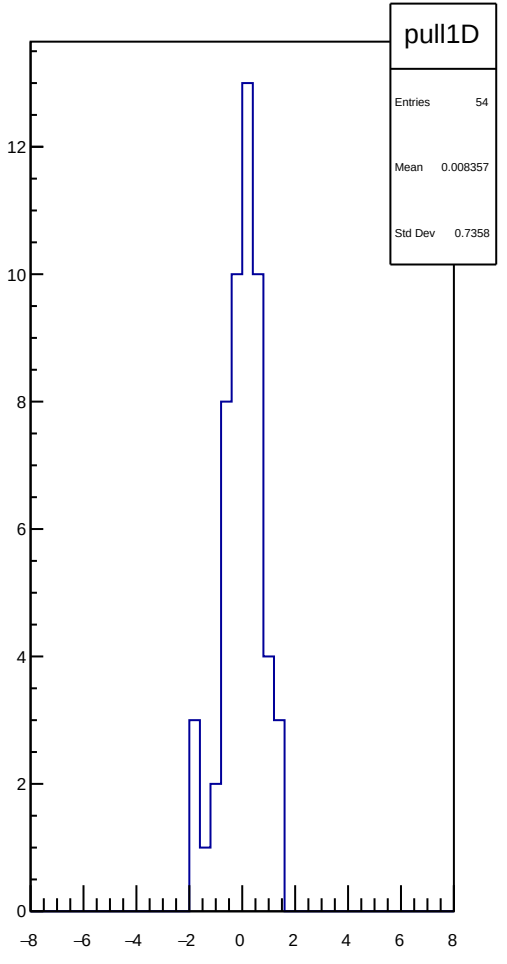

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1558 / 53
p0 1568 ± 1.523
1800
1750
1700
1650
1600
1550
1500
1450

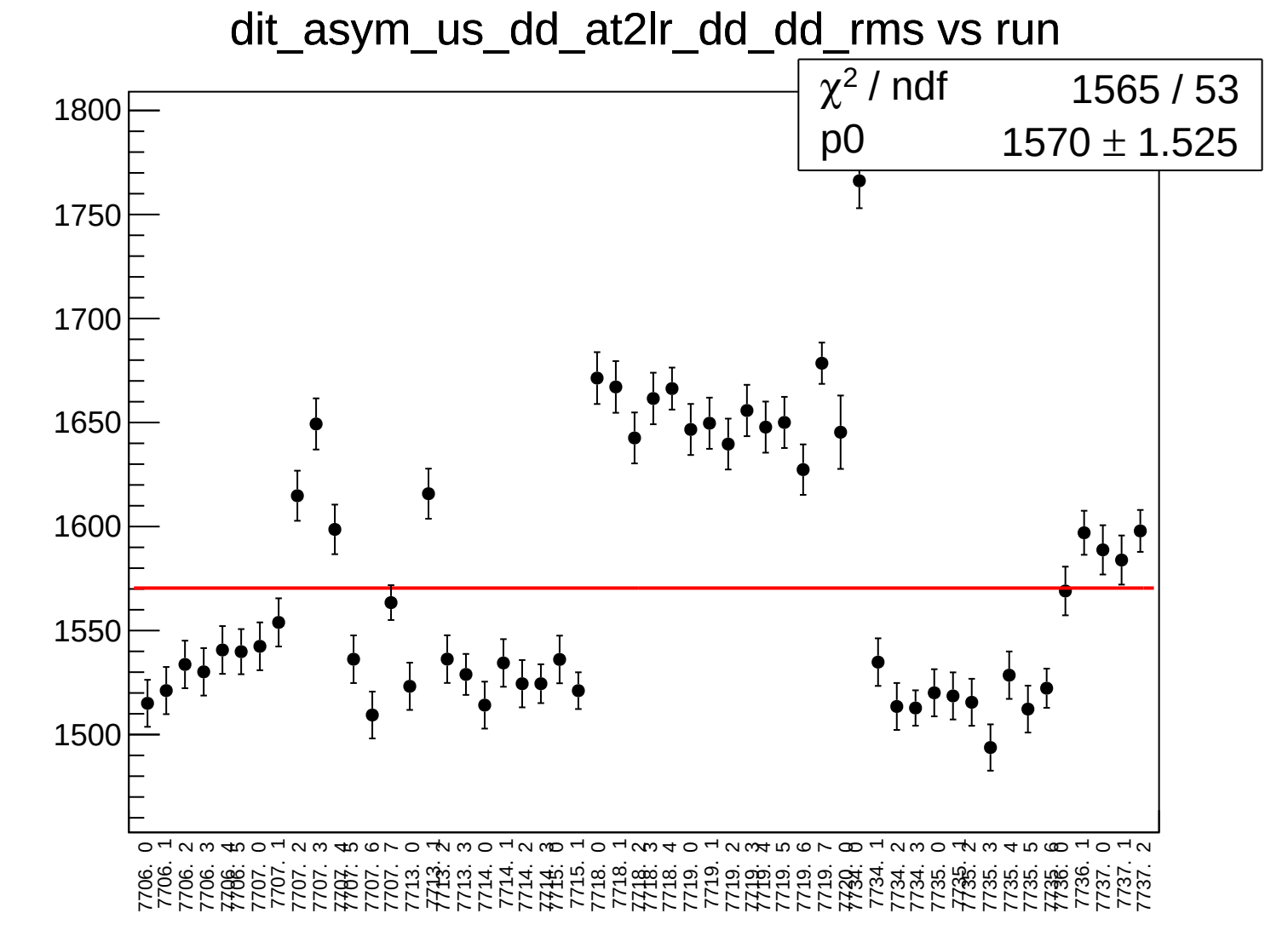

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.8 / 53
p0 −50.24 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −954.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

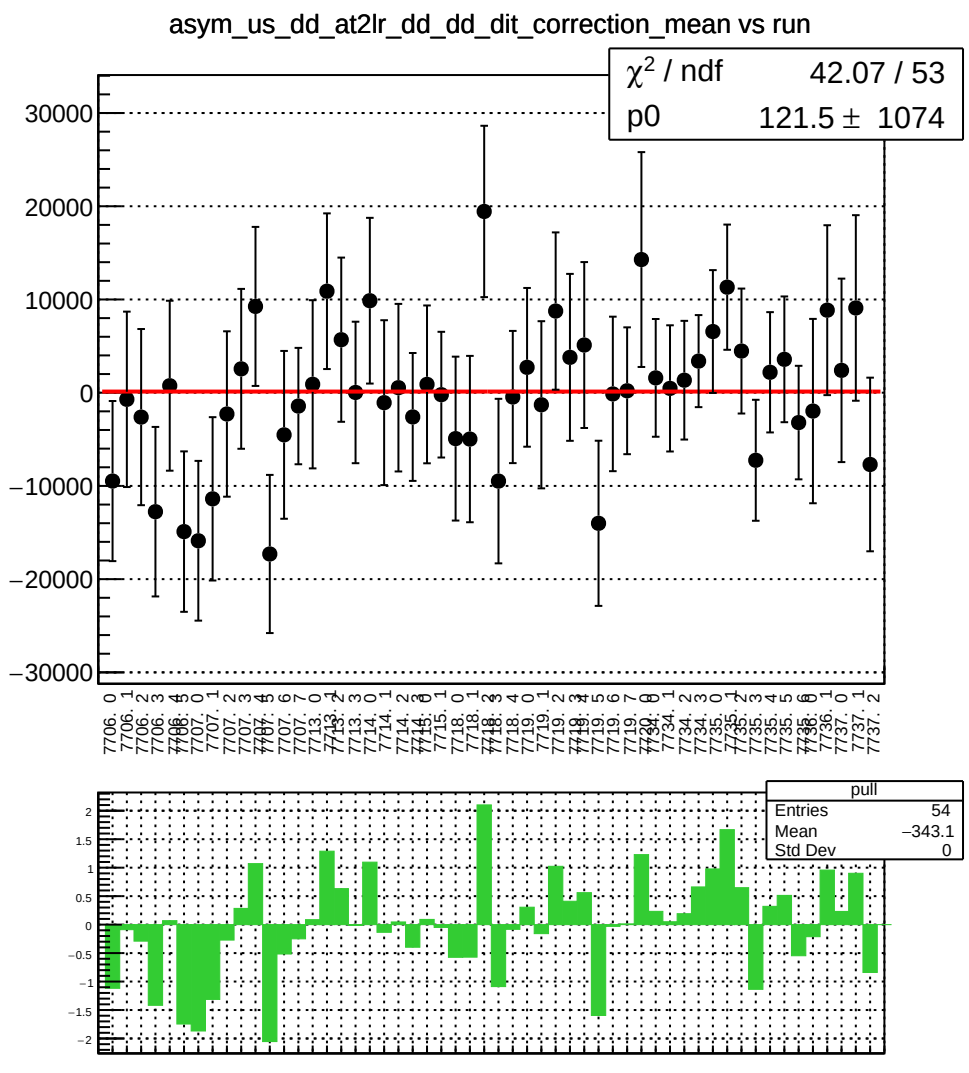

pull1D
Entries 54
Mean −0.005041
Std Dev 0.8902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

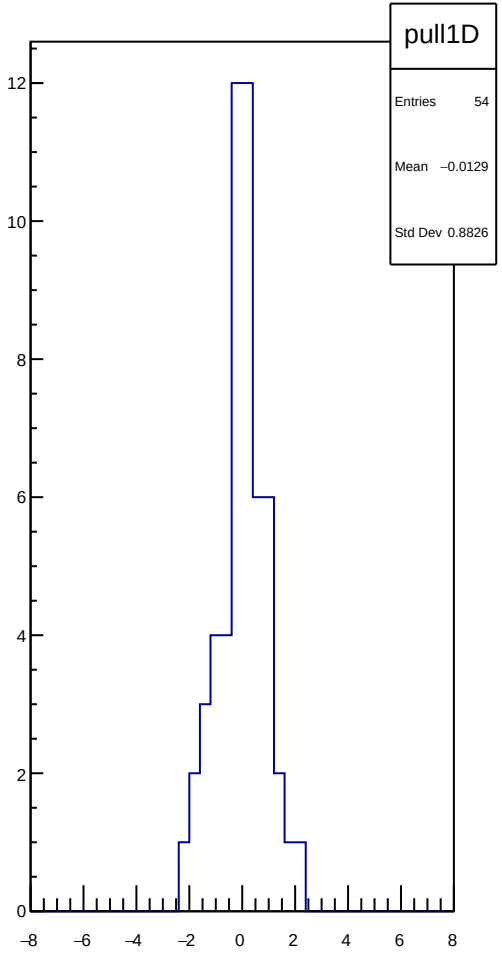

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.107e+04 / 53
p0 774 ± 0.755
950
900
850
800
750
700
650
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

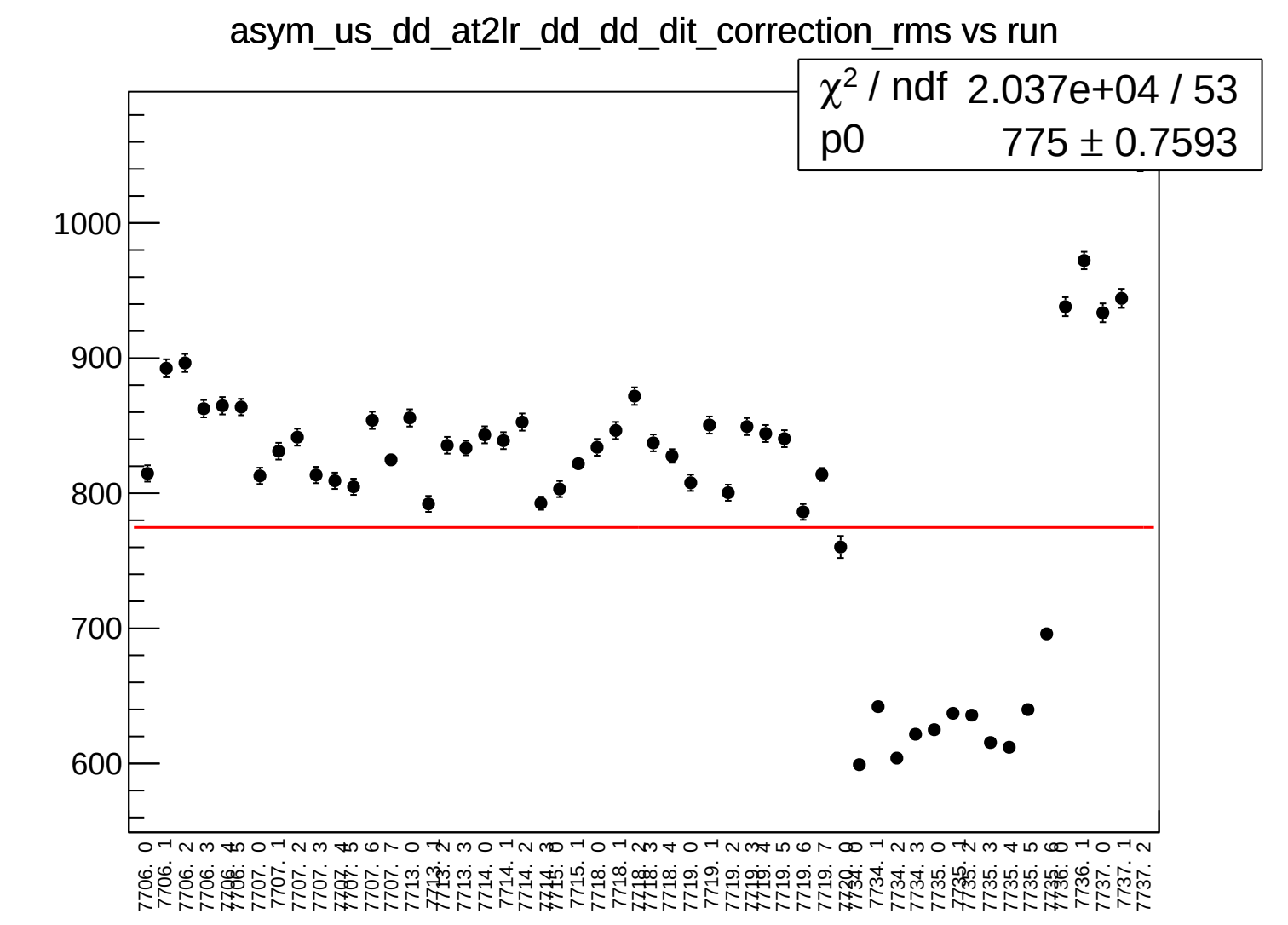

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 29.24 / 53
p0 −1883 ± 2157
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −198.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

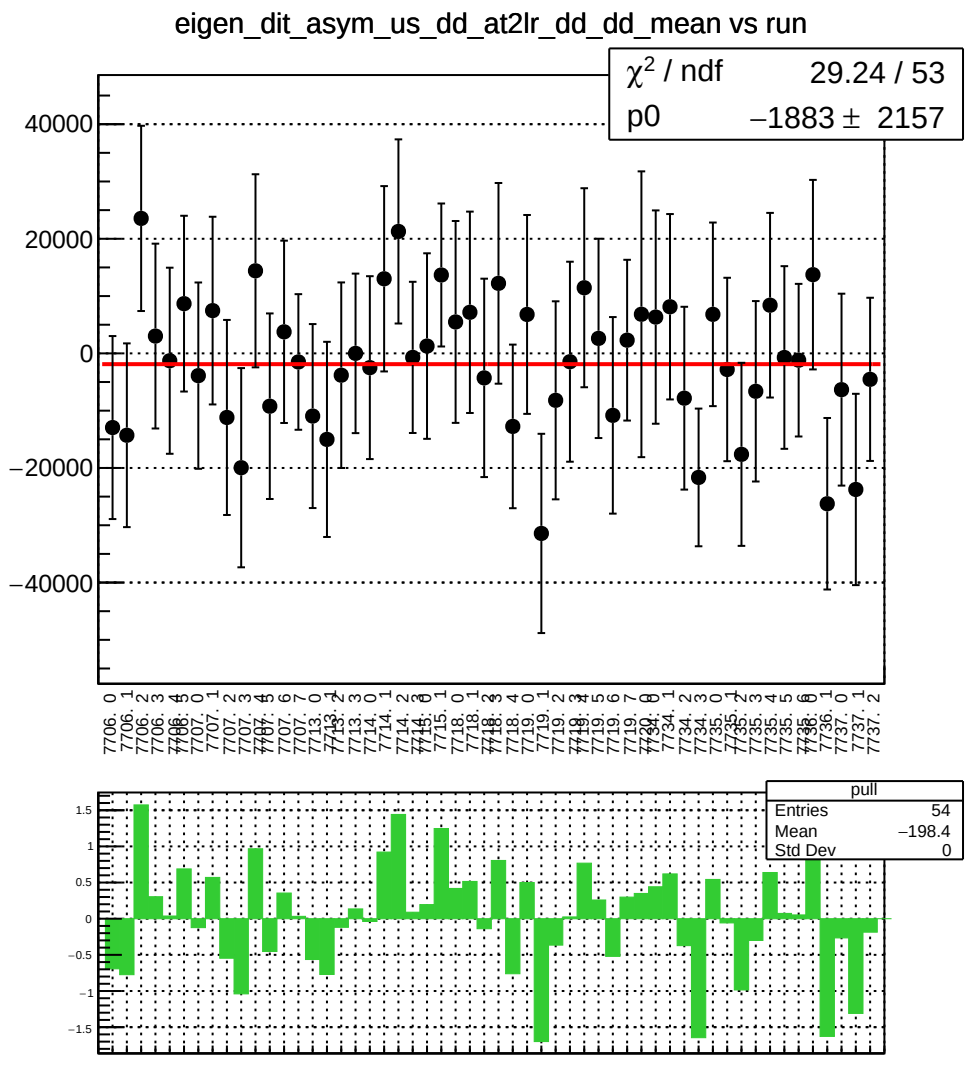

pull1D
Entries 54
Mean 0.008357
Std Dev 0.7358
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

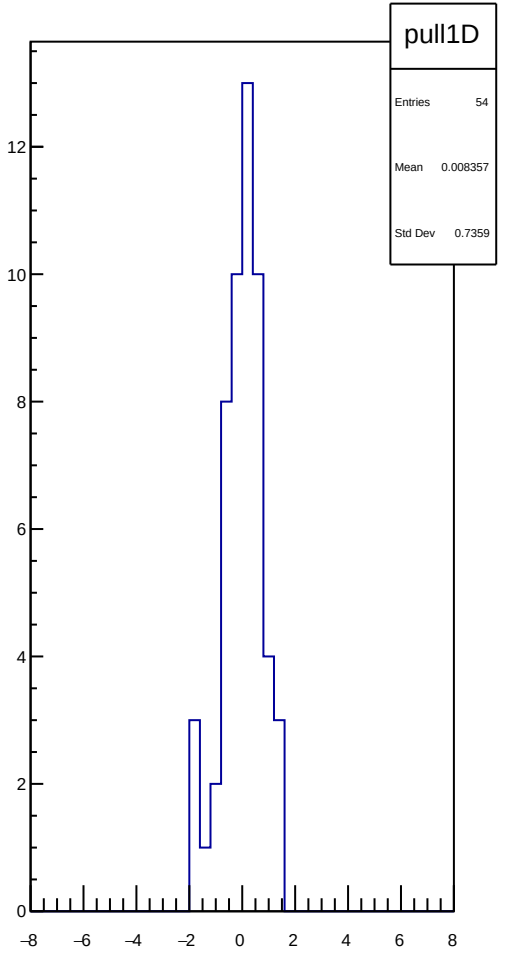

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1565 / 53
p0 1570 ± 1.525
1800
1750
1700
1650
1600
1550
1500

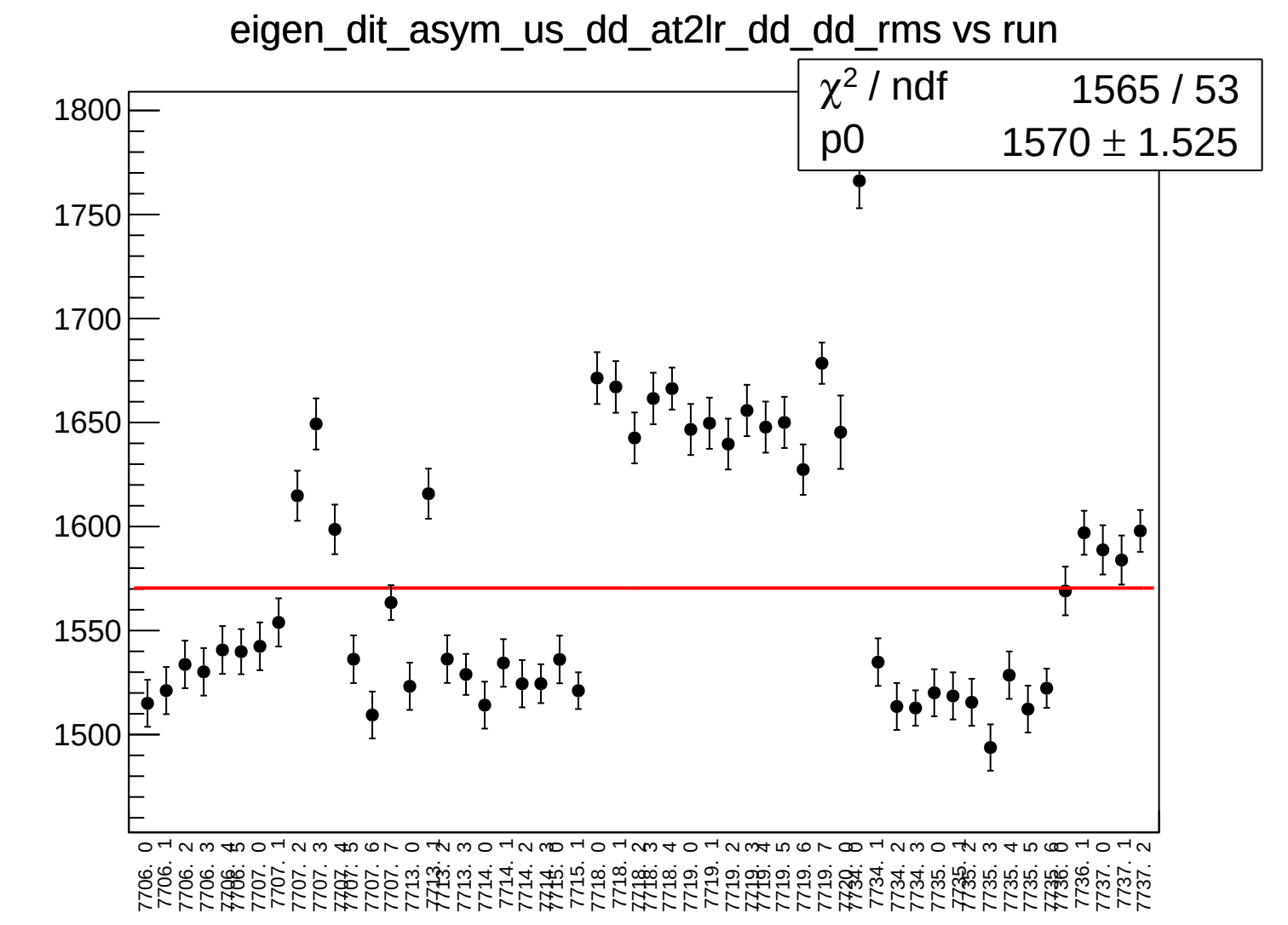

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 42.07 / 53
p0 121.5 ± 1074
pull
Entries 54
Mean −343.1
Std Dev 0

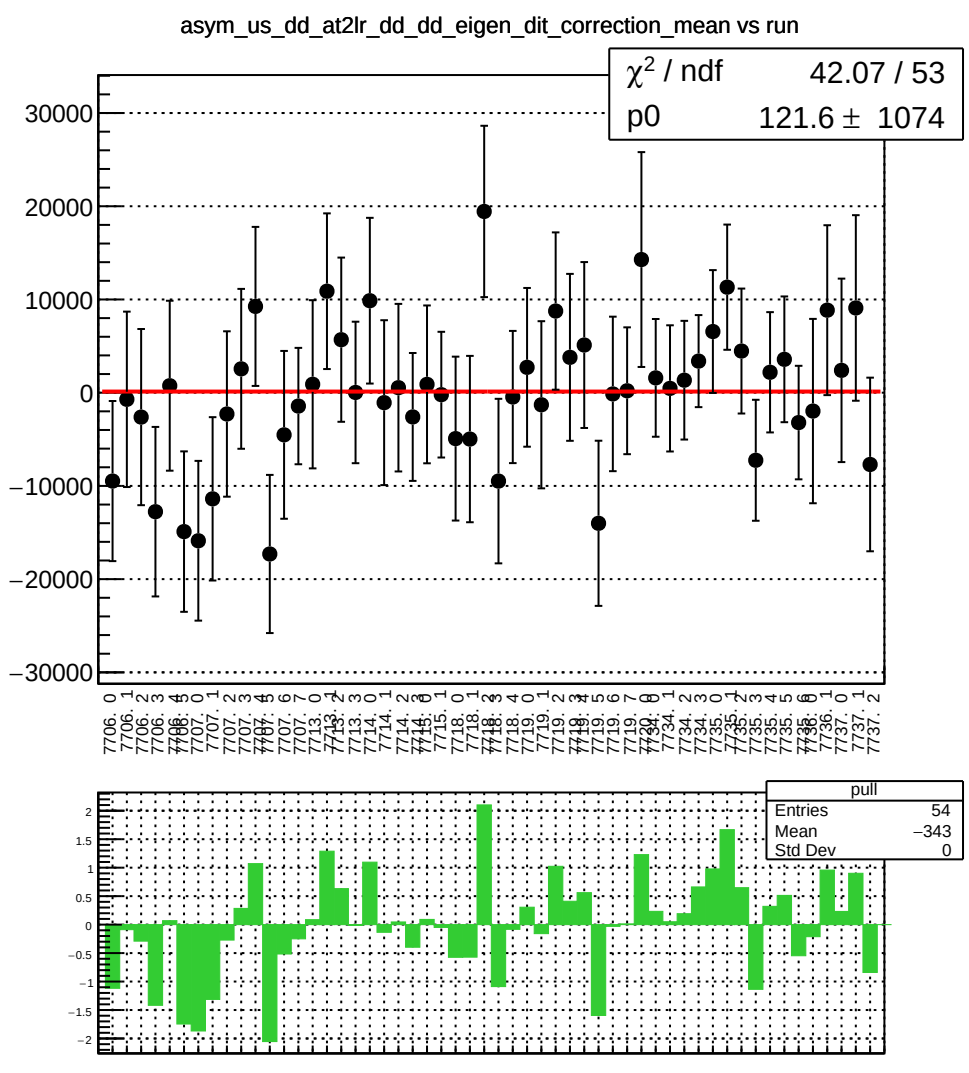

pull1D
Entries 54
Mean −0.0129
Std Dev 0.8826

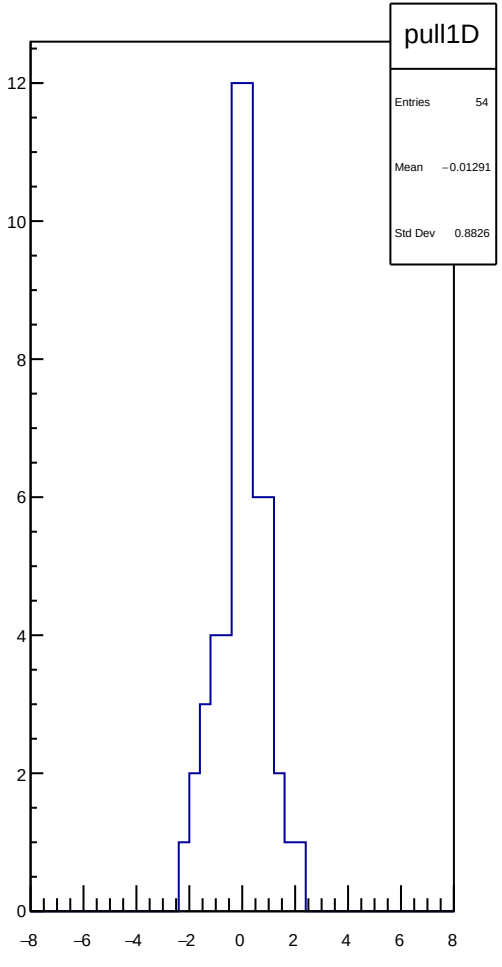

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.037e+04 / 53
p0 775 ± 0.7593
1000
900
800
700
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

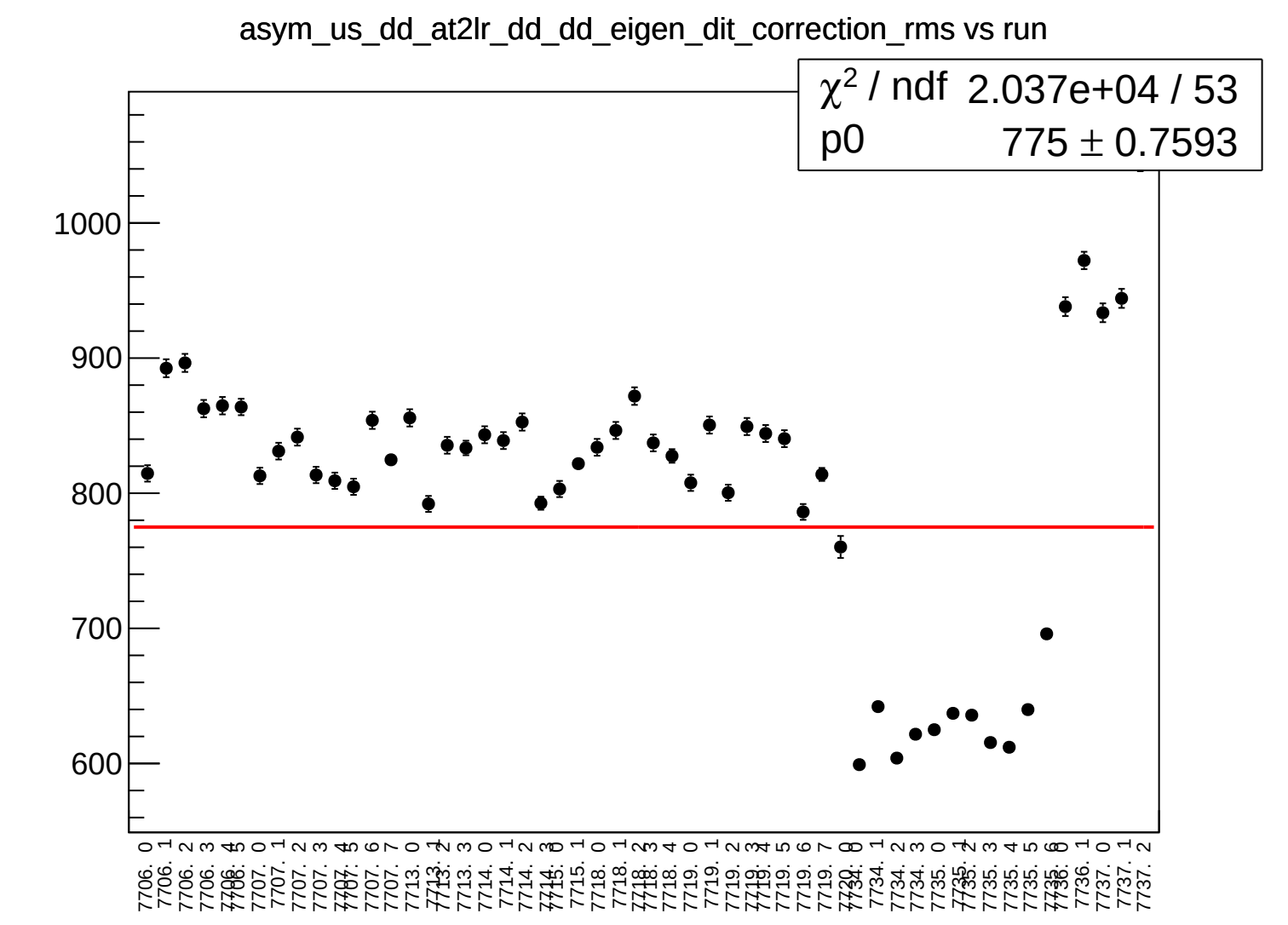

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 29.24 / 53
p0 −1883 ± 2157
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −198.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

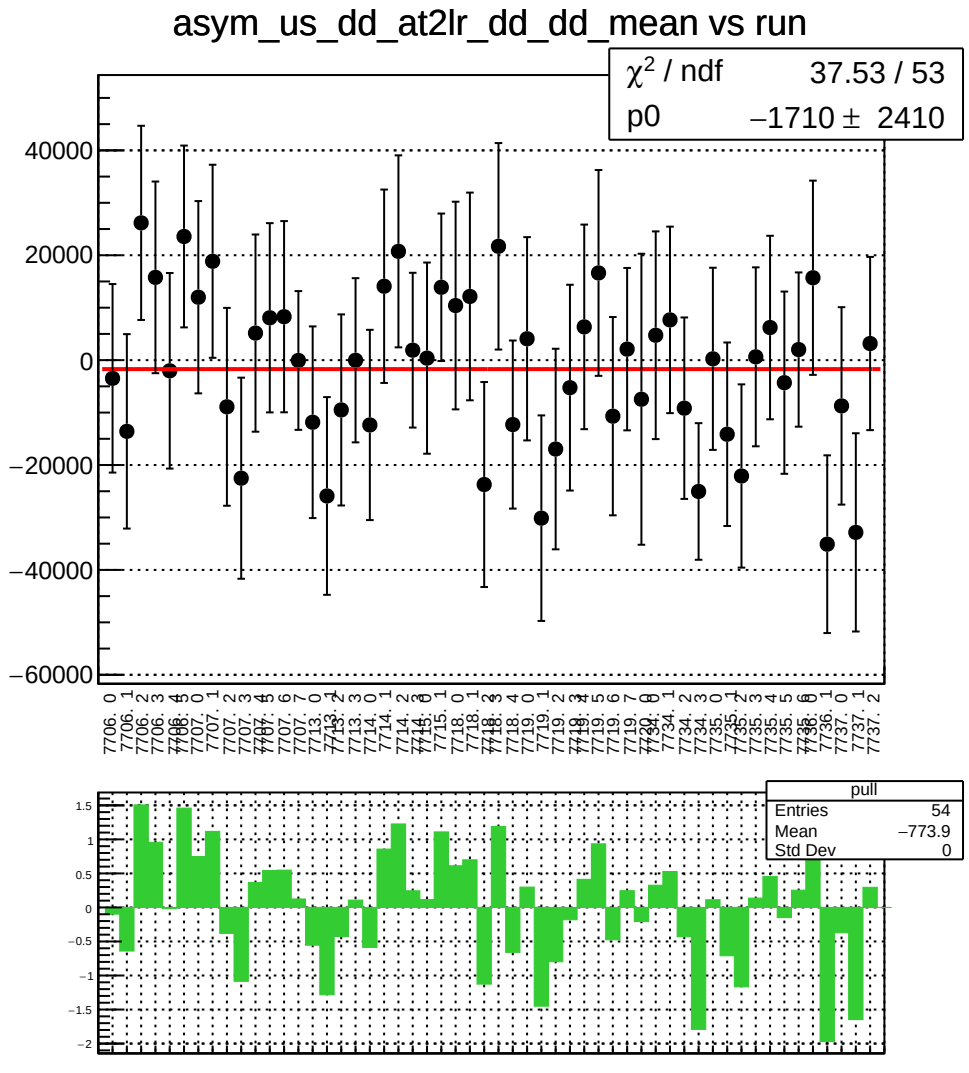

pull1D
Entries 54
Mean 0.008357
Std Dev 0.7359
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

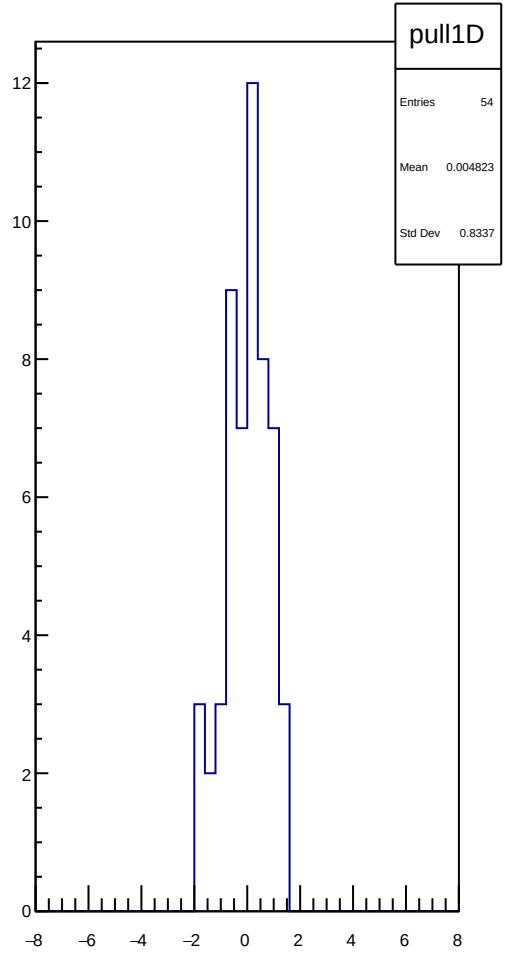

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1565 / 53
p0 1570 ± 1.525
1800
1750
1700
1650
1600
1550
1500

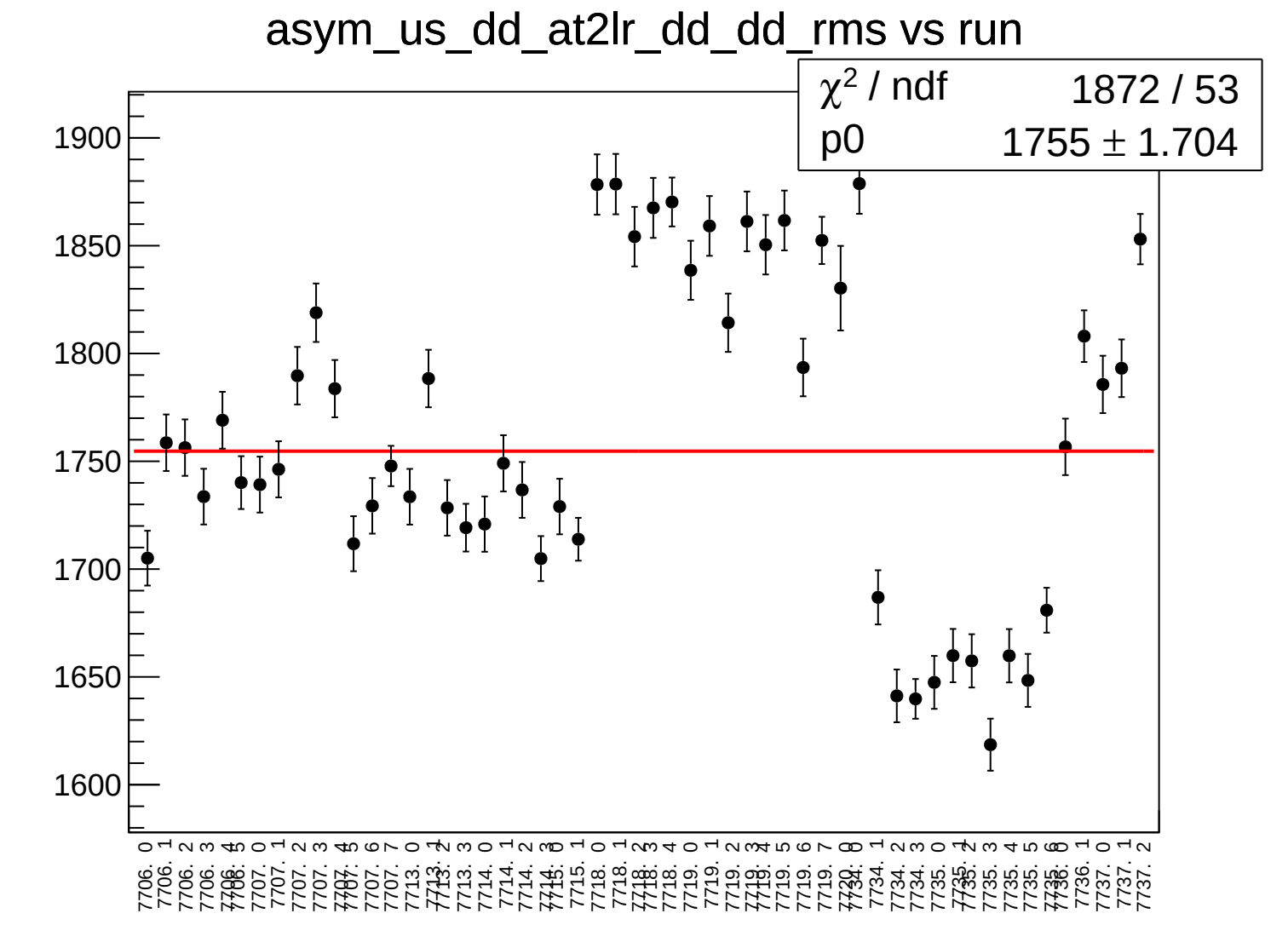

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.07 / 53
p0 121.6 ± 1074
pull
Entries 54
Mean −343
Std Dev 0

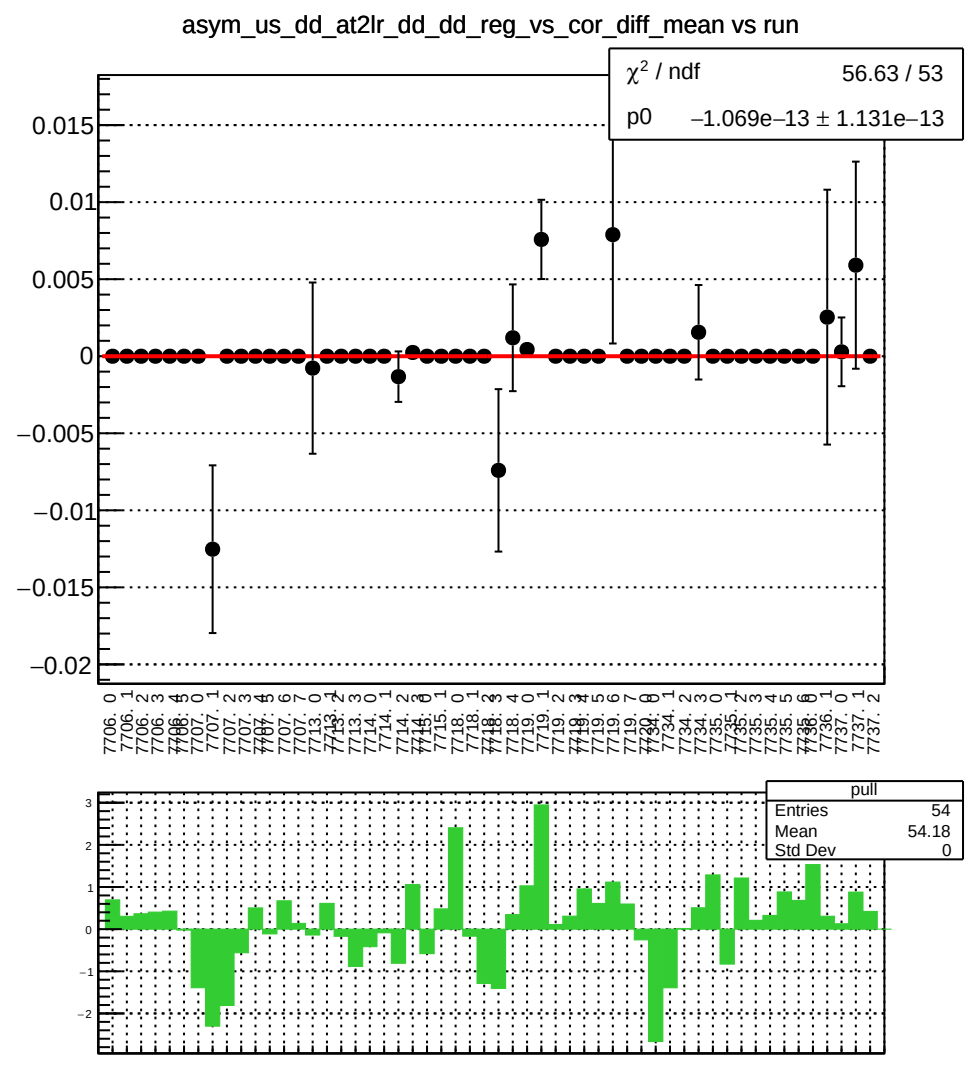

pull1D
Entries 54
Mean −0.01291
Std Dev 0.8826

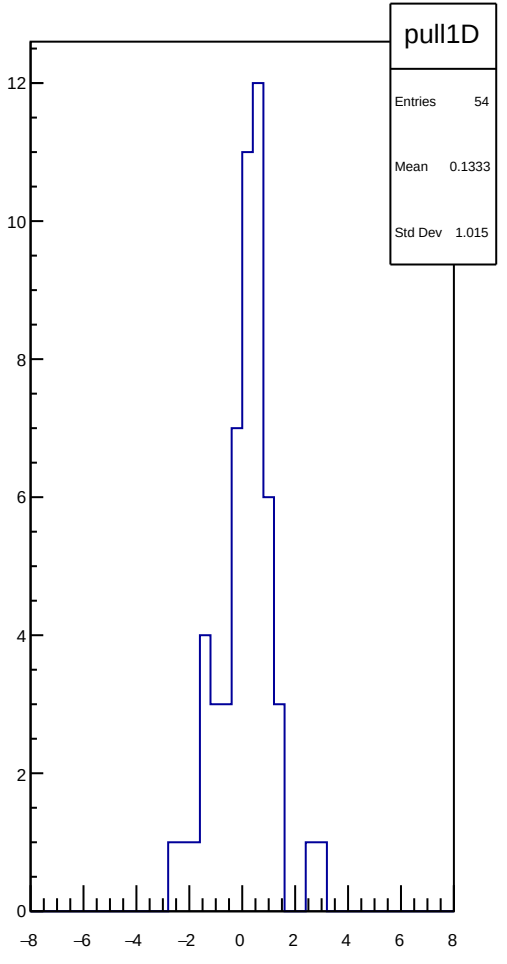

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.037e+04 / 53
p0 775 ± 0.7593
1000
900
800
700
600

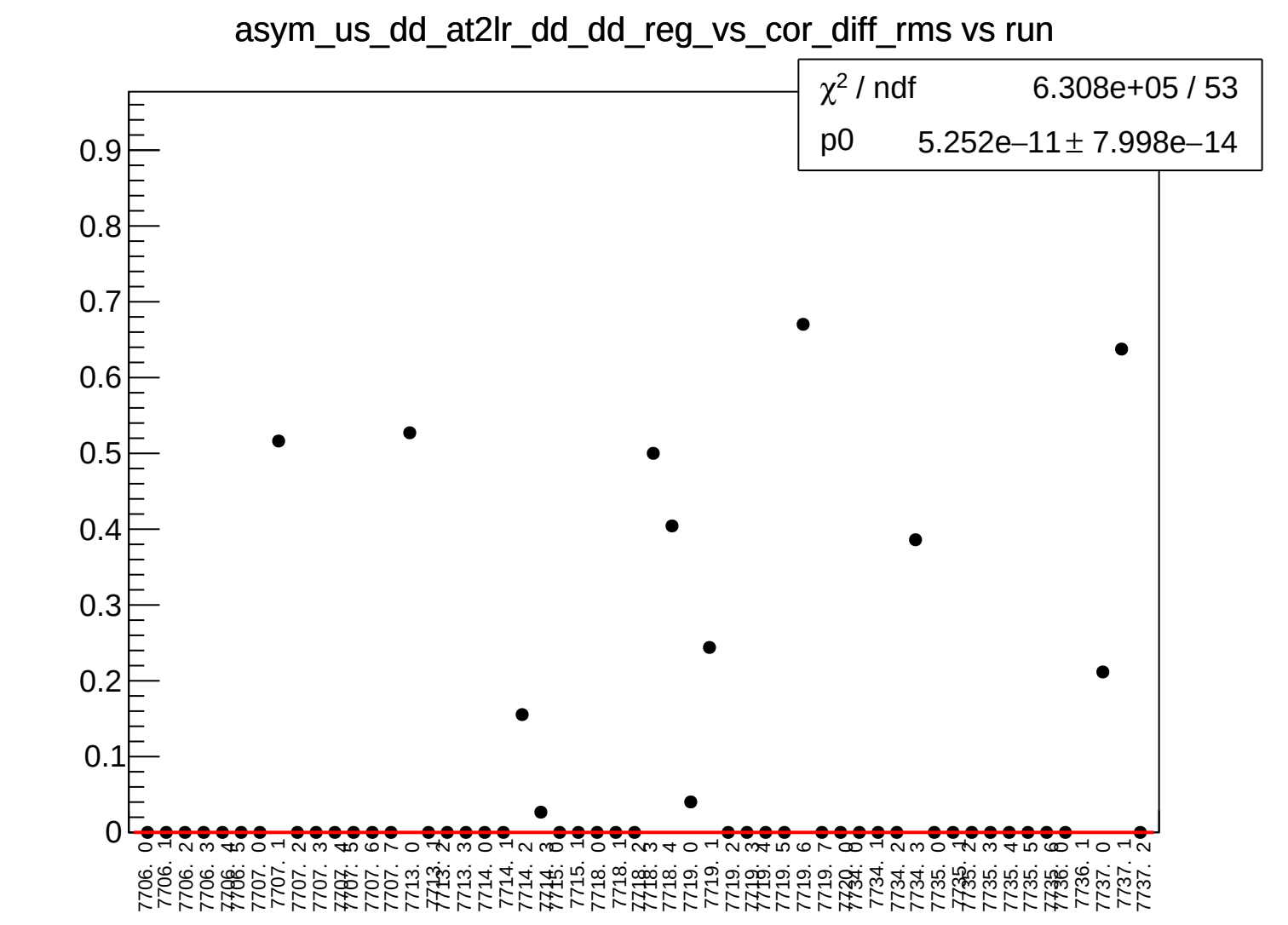

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 37.53 / 53
p0 −1710 ± 2410
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −773.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

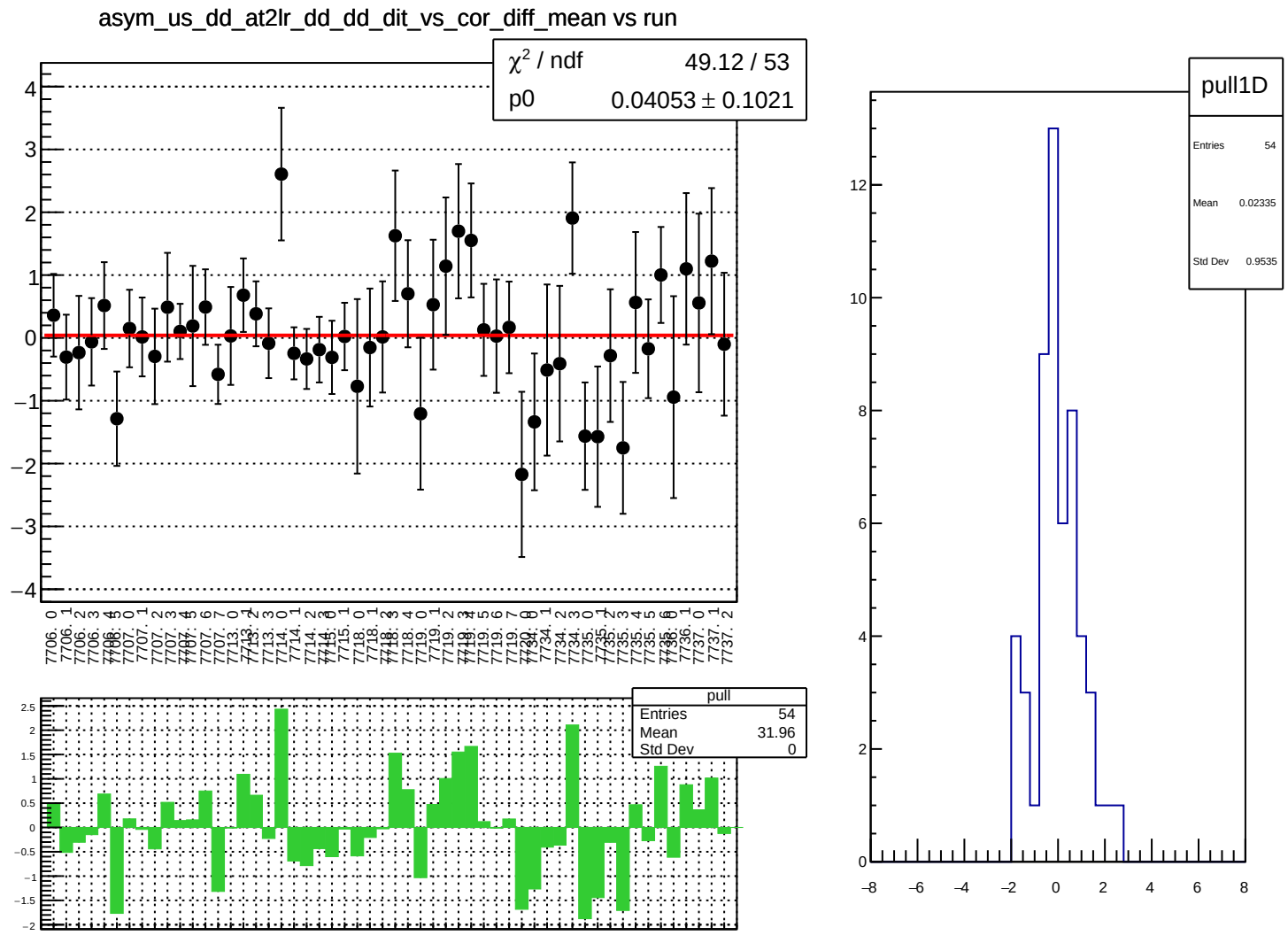

pull1D
Entries 54
Mean 0.004823
Std Dev 0.8337
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

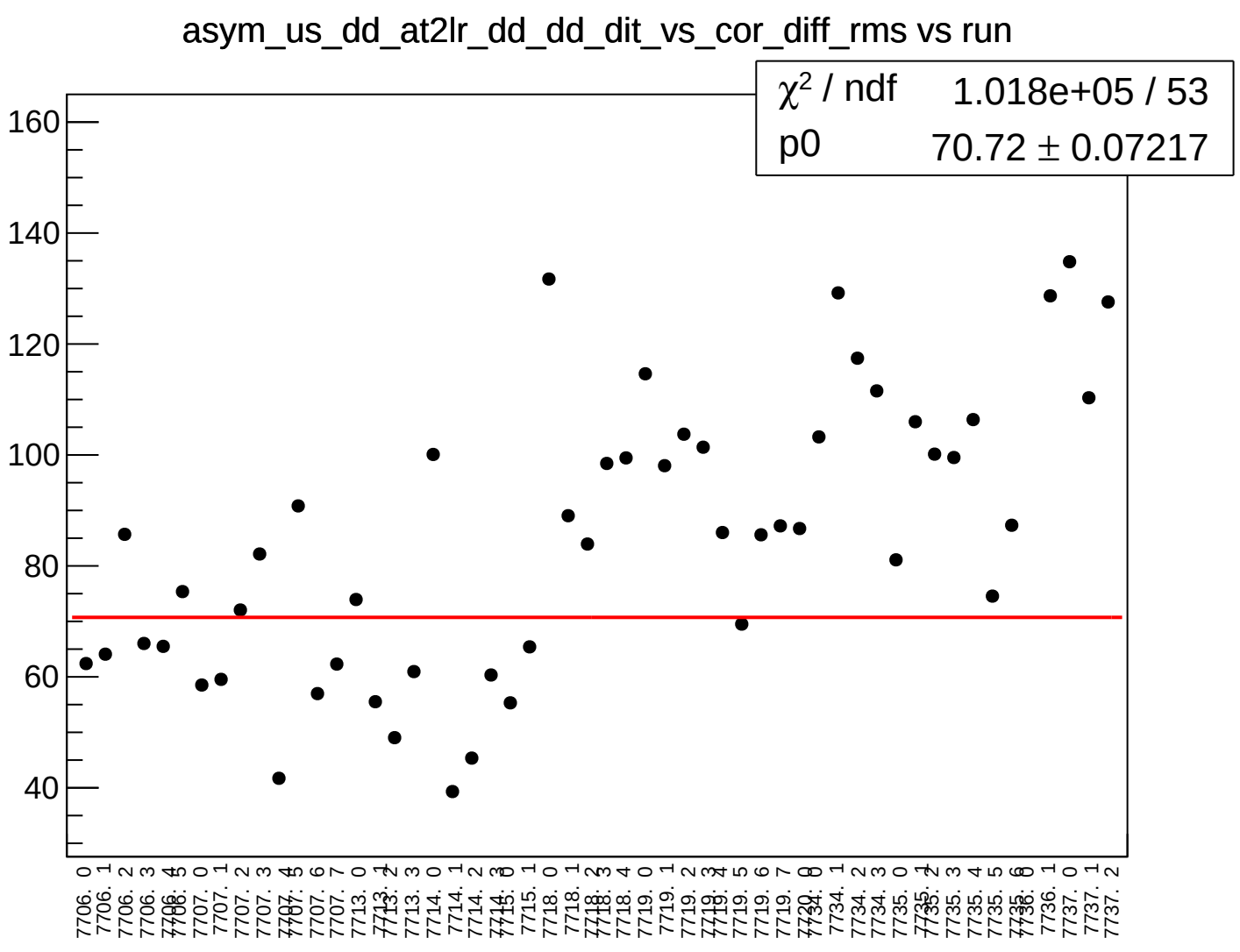

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1872 / 53
p0 1755 ± 1.704
1900
1850
1800
1750
1700
1650
1600

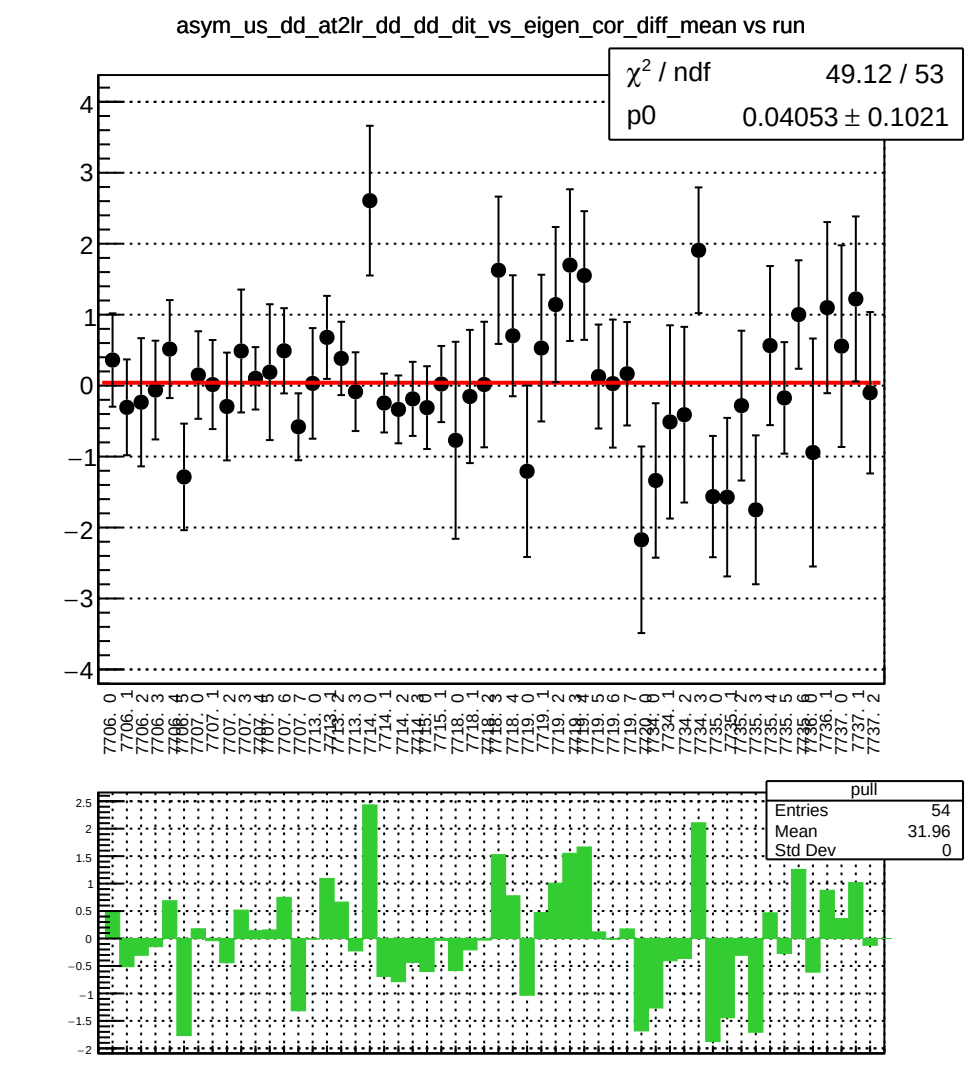

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.63 / 53
p0 −1.069e−13 ± 1.131e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 54.18
Std Dev 0
3
2
1
0
−1
−2

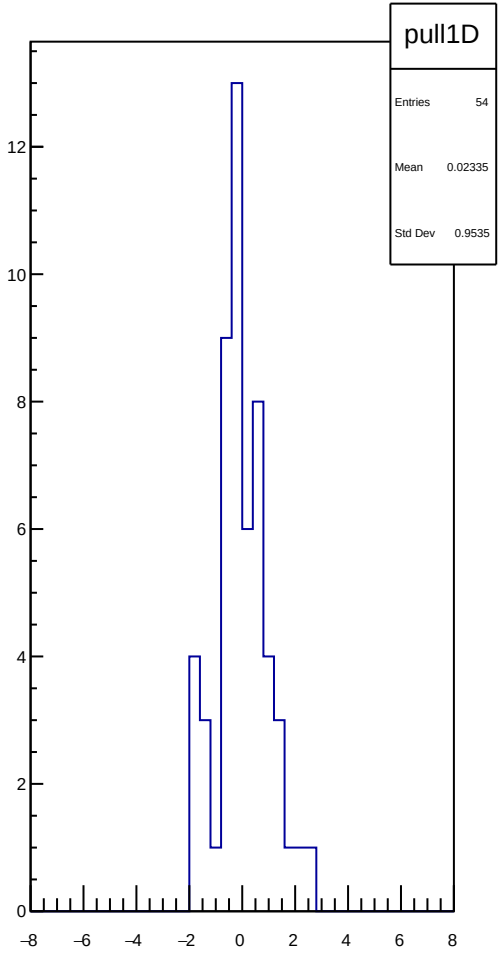

pull1D
Entries 54
Mean 0.1333
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

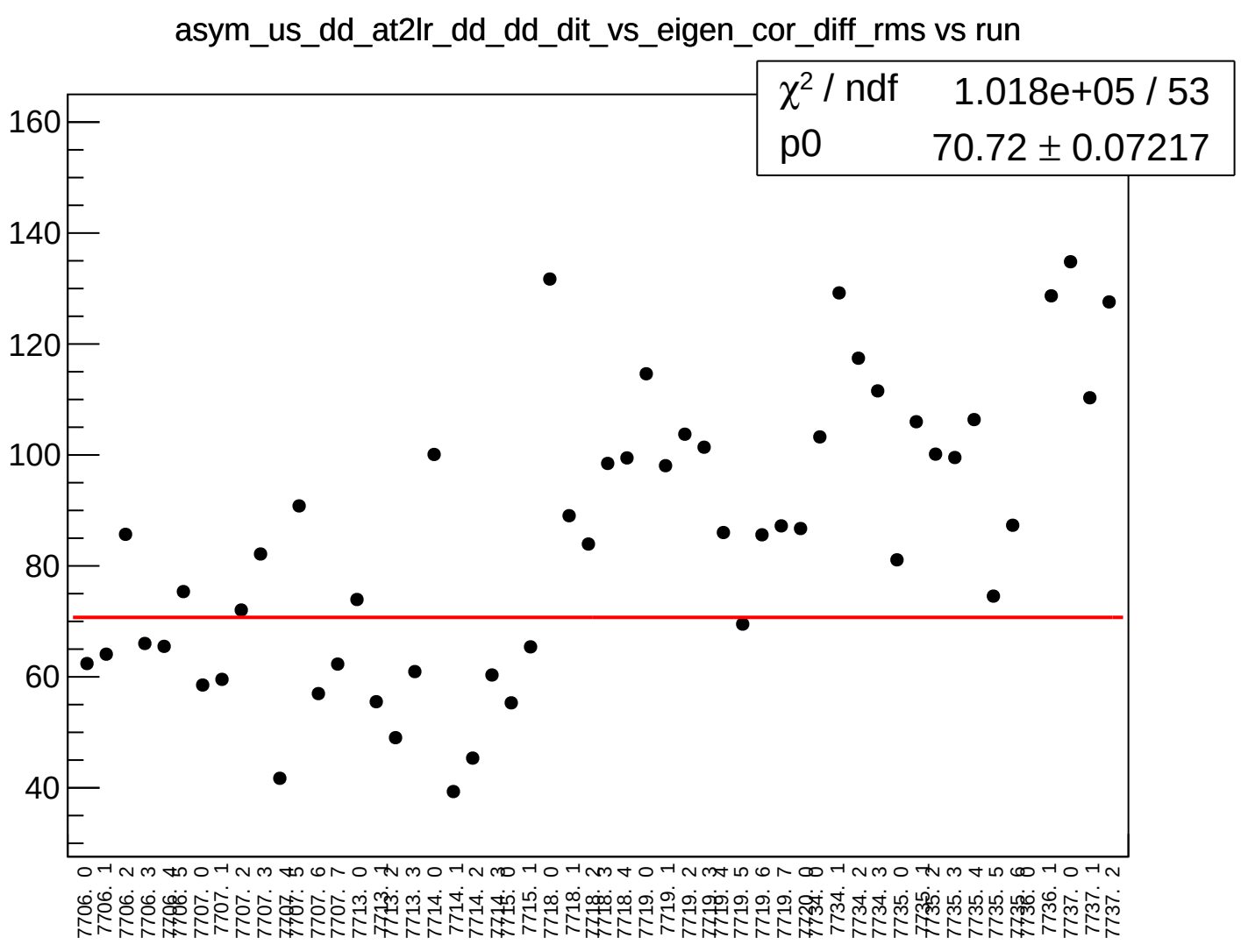

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.308e+05 / 53
p0 5.252e−11 ± 7.998e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

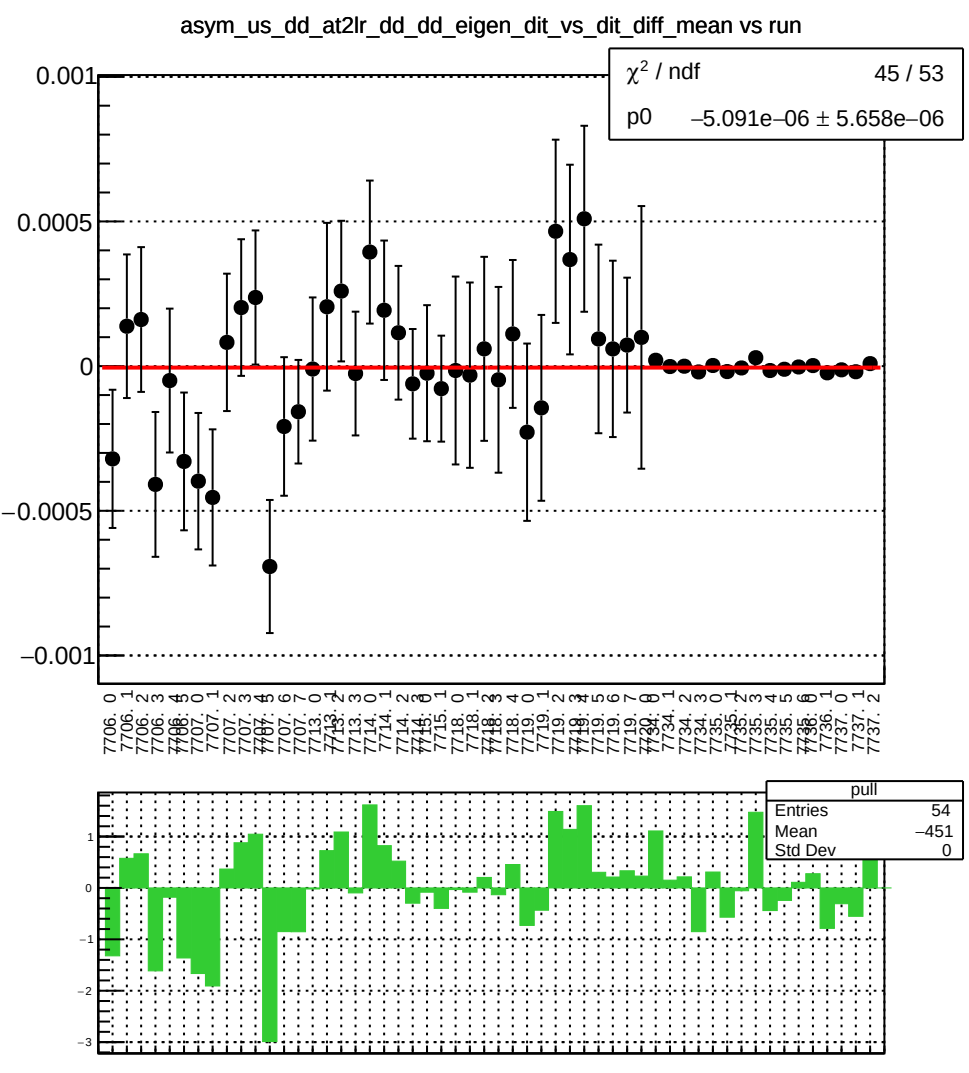

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.12 / 53
p0 0.04053 ± 0.1021
pull
Entries 54
Mean 31.96
Std Dev 0
pull1D
Entries 54
Mean 0.02335
Std Dev 0.9535

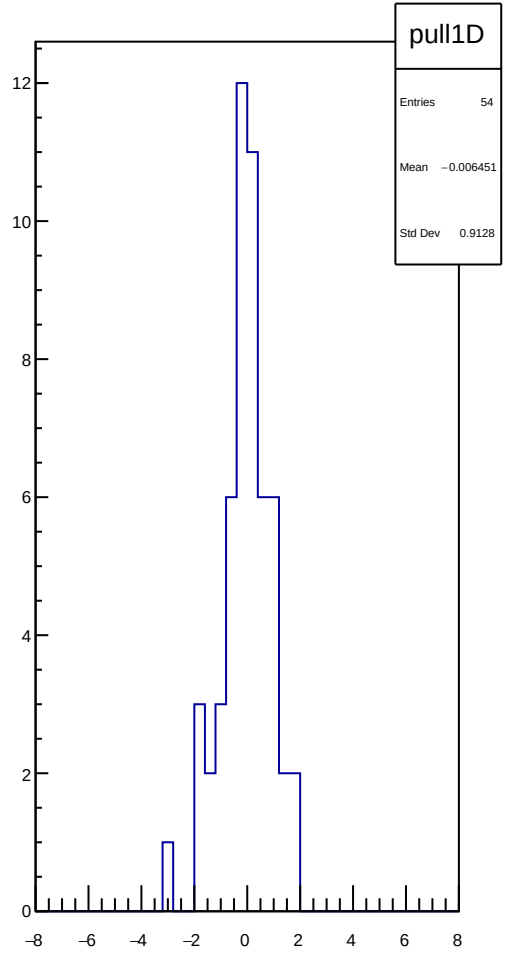

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 53
p0 70.72 ± 0.07217
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

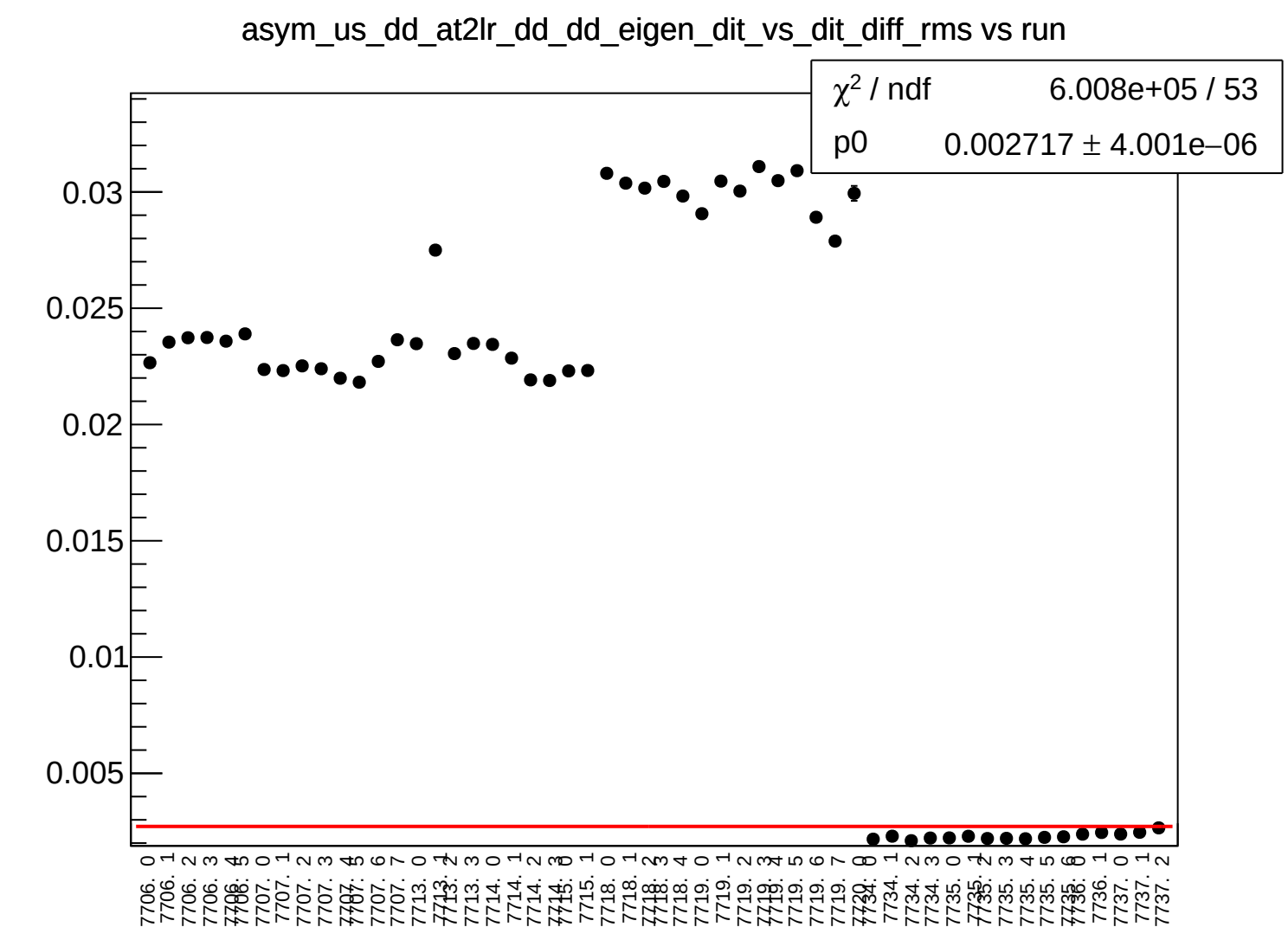

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.12 / 53
p0 0.04053 ± 0.1021
pull
Entries 54
Mean 31.96
Std Dev 0

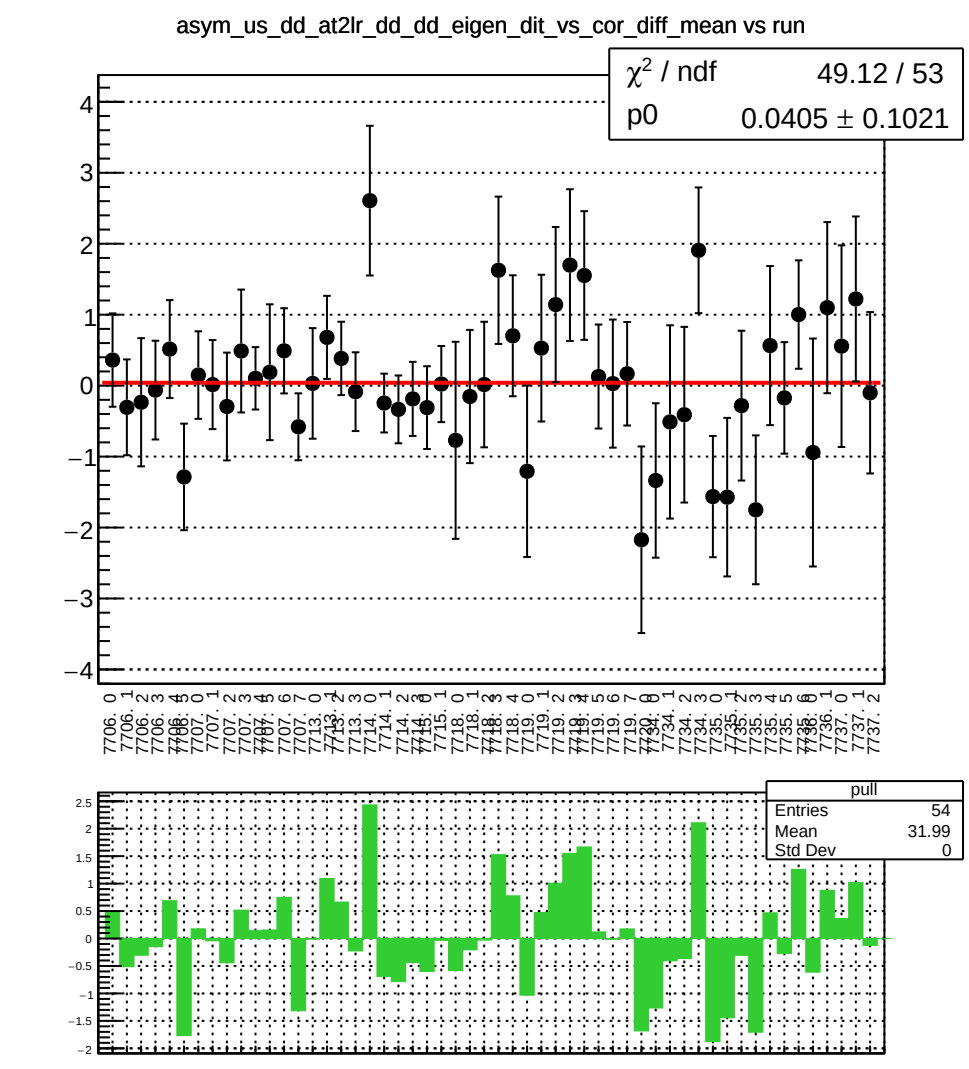

pull1D
Entries 54
Mean 0.02335
Std Dev 0.9535

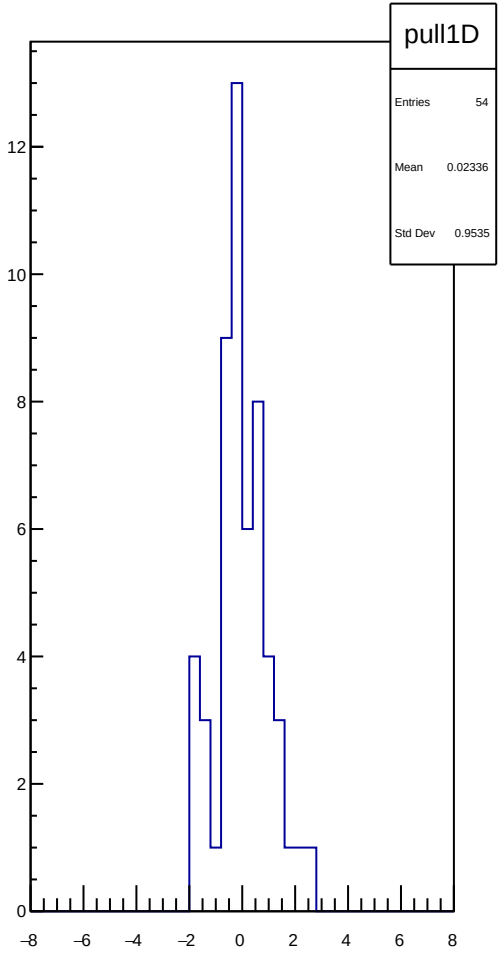

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 53
p0 70.72 ± 0.07217
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

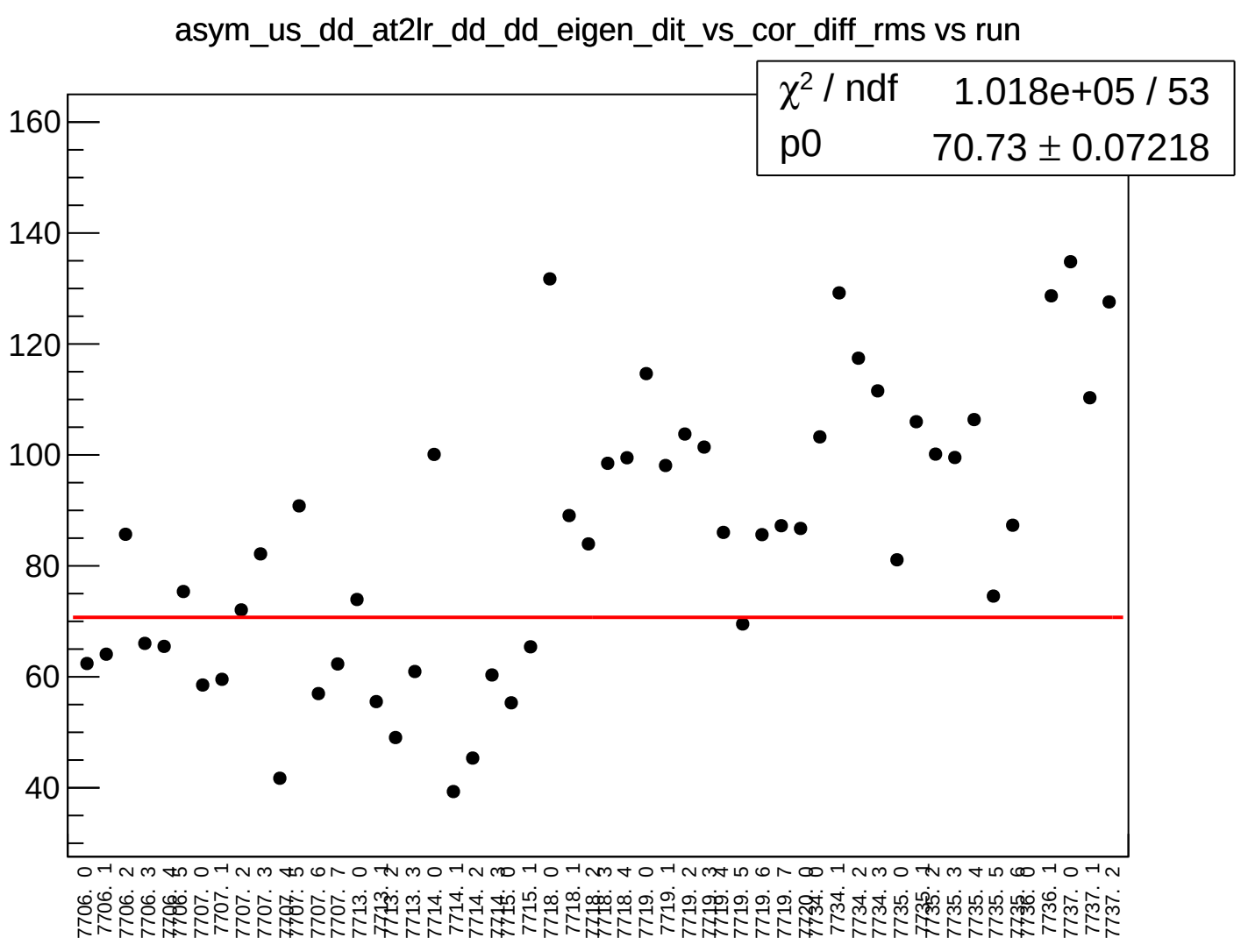

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 45 / 53
p0 −5.091e−06 ± 5.658e−06
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −451
Std Dev 0
1
0
−1
−2
−3

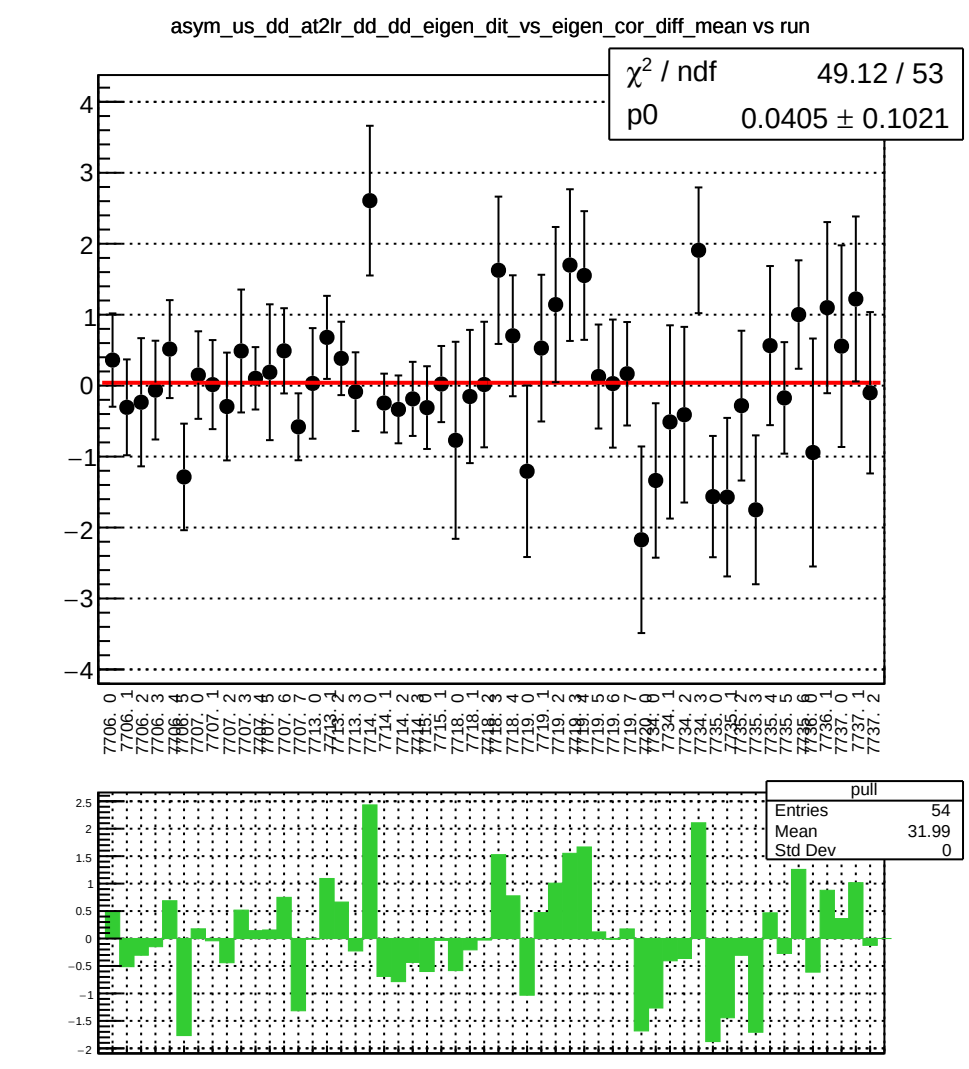

pull1D
Entries 54
Mean −0.006451
Std Dev 0.9128
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

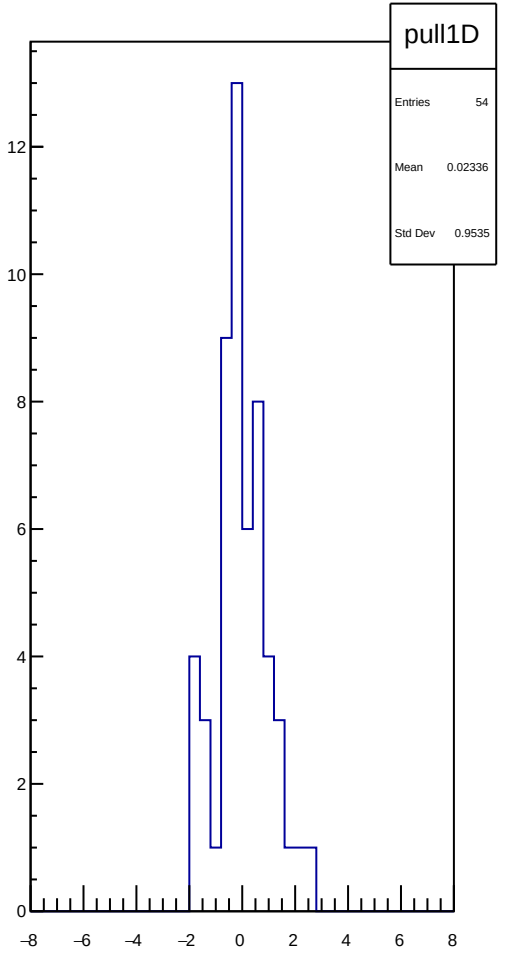

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.008e+05 / 53
p0 0.002717 ± 4.001e−06
0.03
0.025
0.02
0.015
0.01
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7715. 1
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

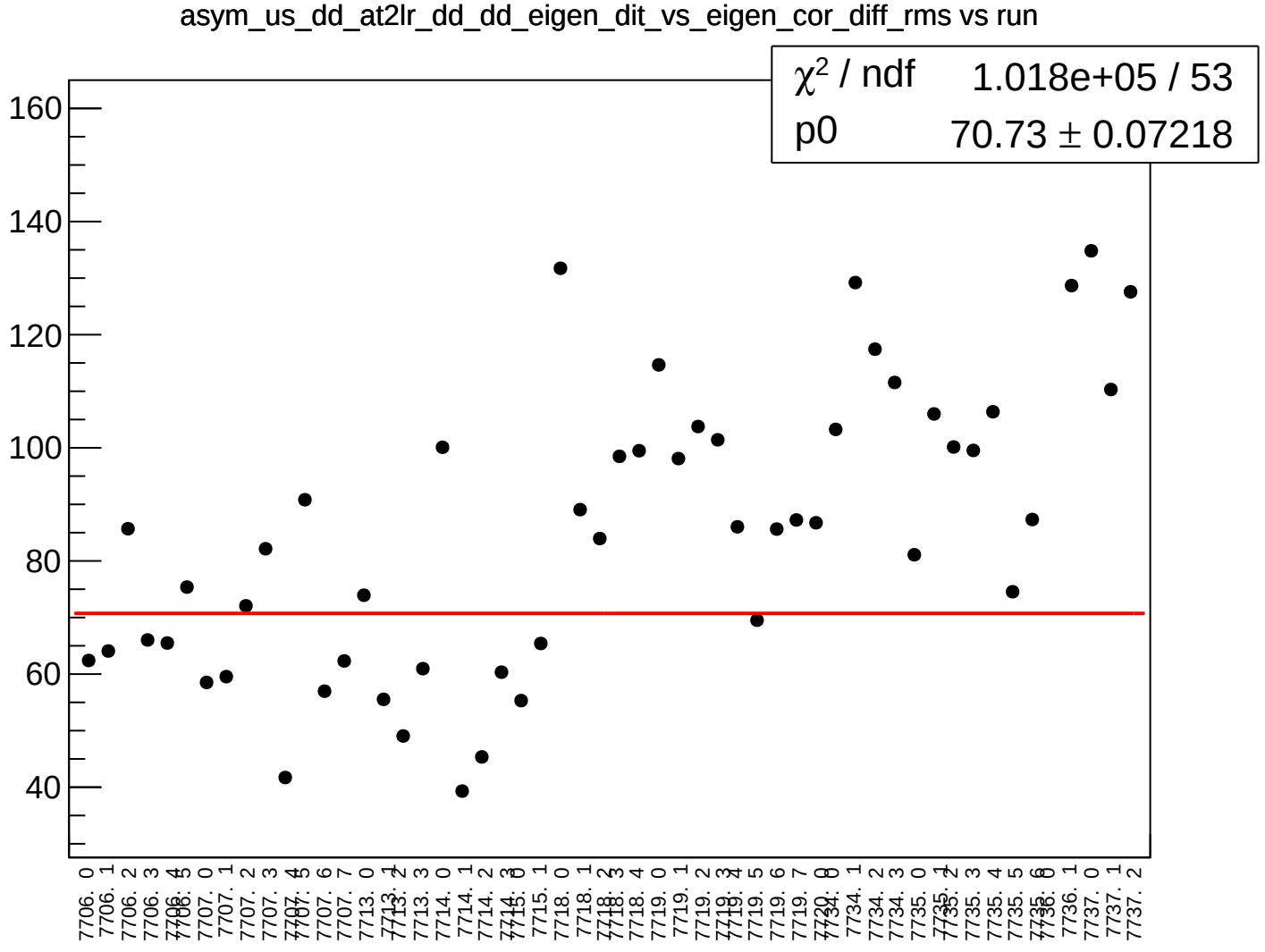

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.12 / 53
p0 0.0405 ± 0.1021
pull
Entries 54
Mean 31.99
Std Dev 0

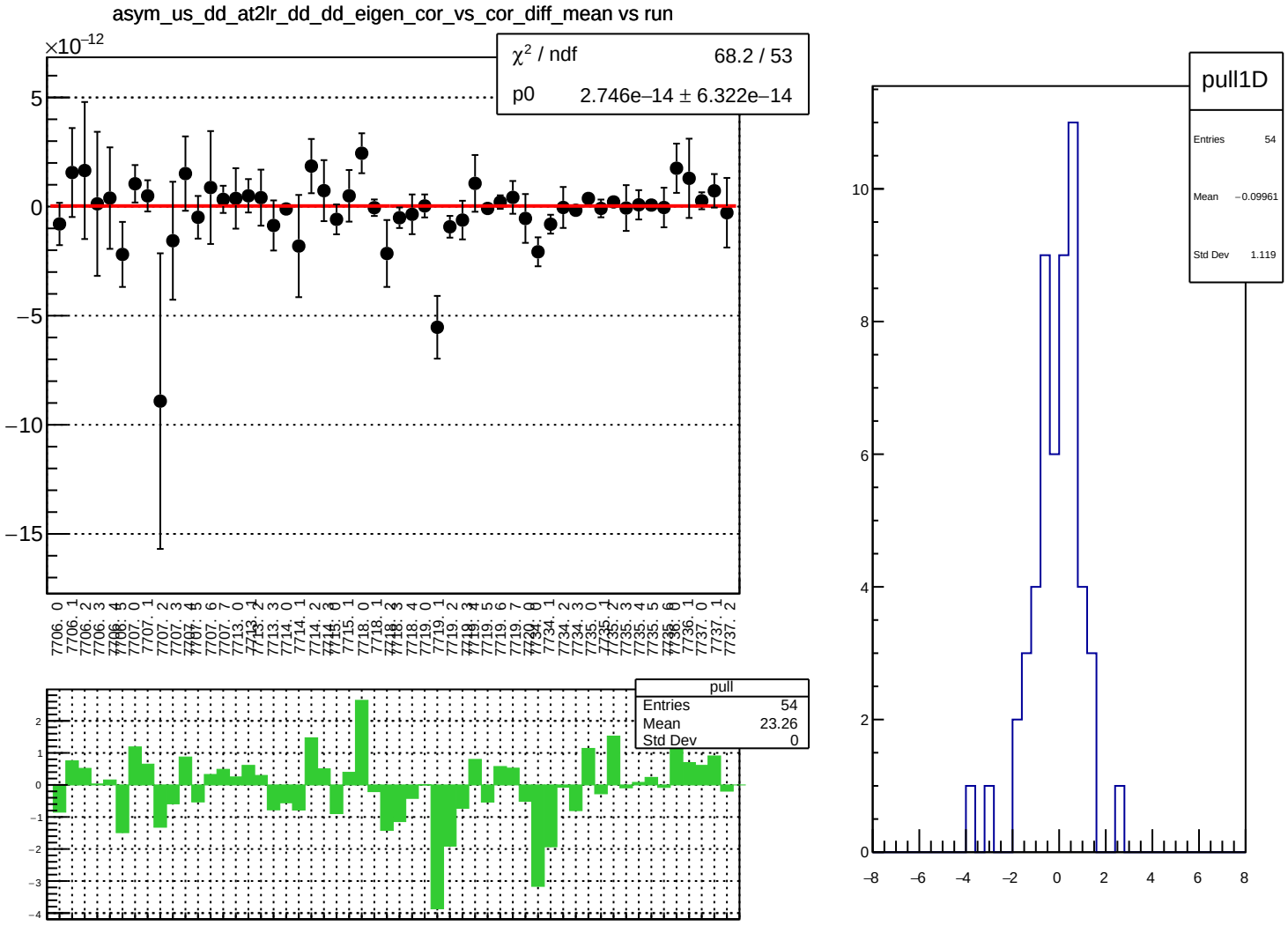

pull1D
Entries 54
Mean 0.02336
Std Dev 0.9535

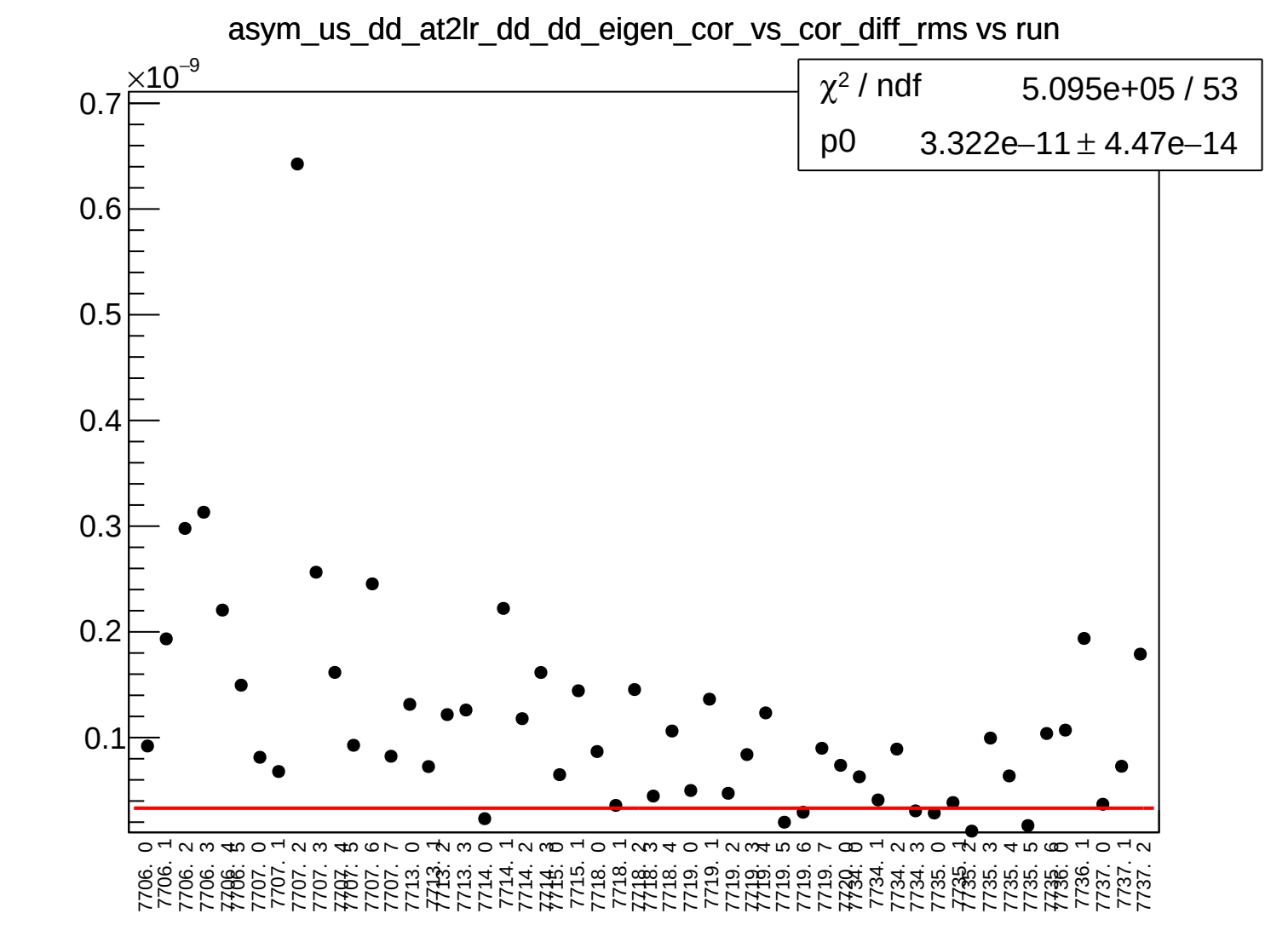

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 53
p0 70.73 ± 0.07218
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

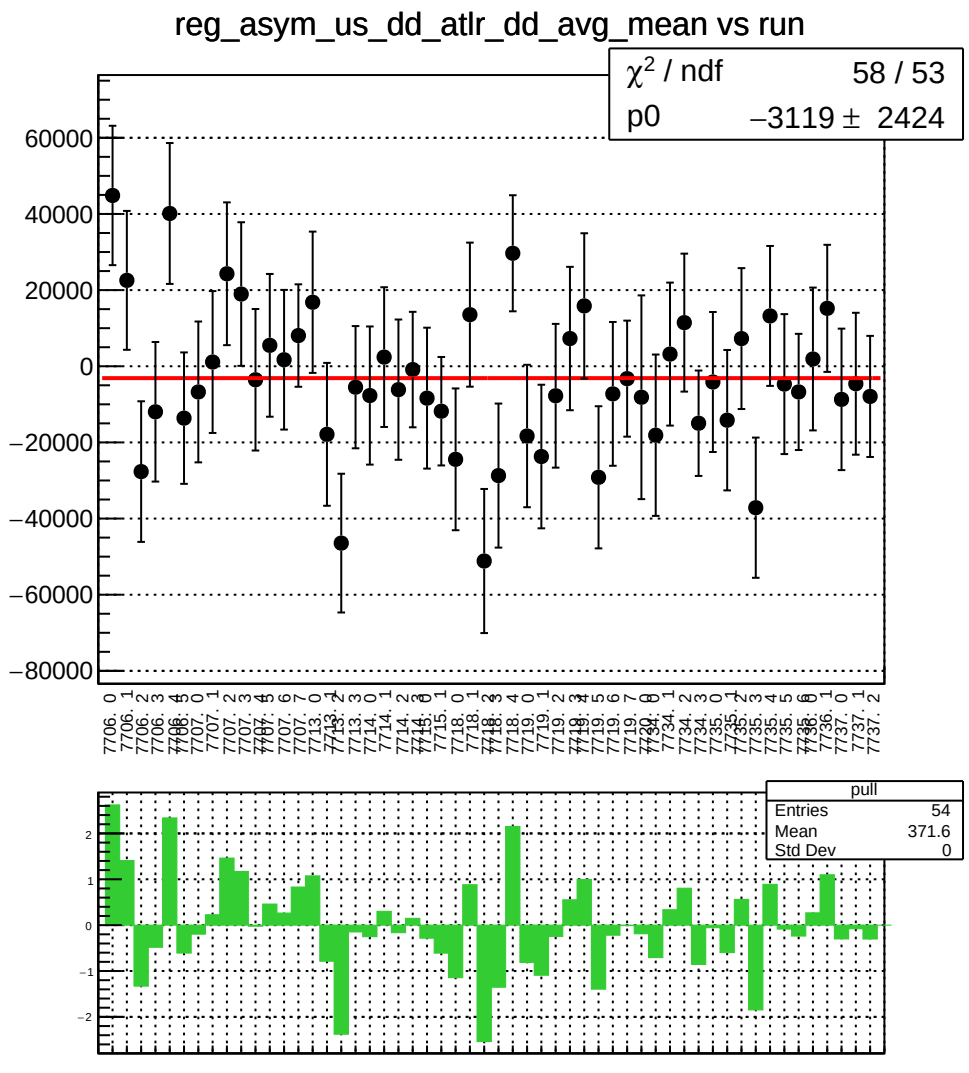

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.12 / 53
p0 0.0405 ± 0.1021
pull
Entries 54
Mean 31.99
Std Dev 0

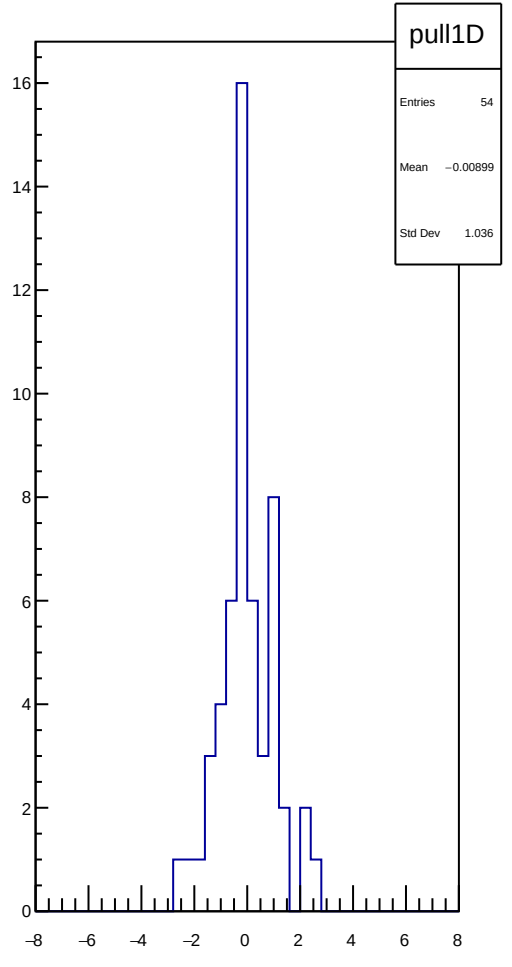

pull1D
Entries 54
Mean 0.02336
Std Dev 0.9535

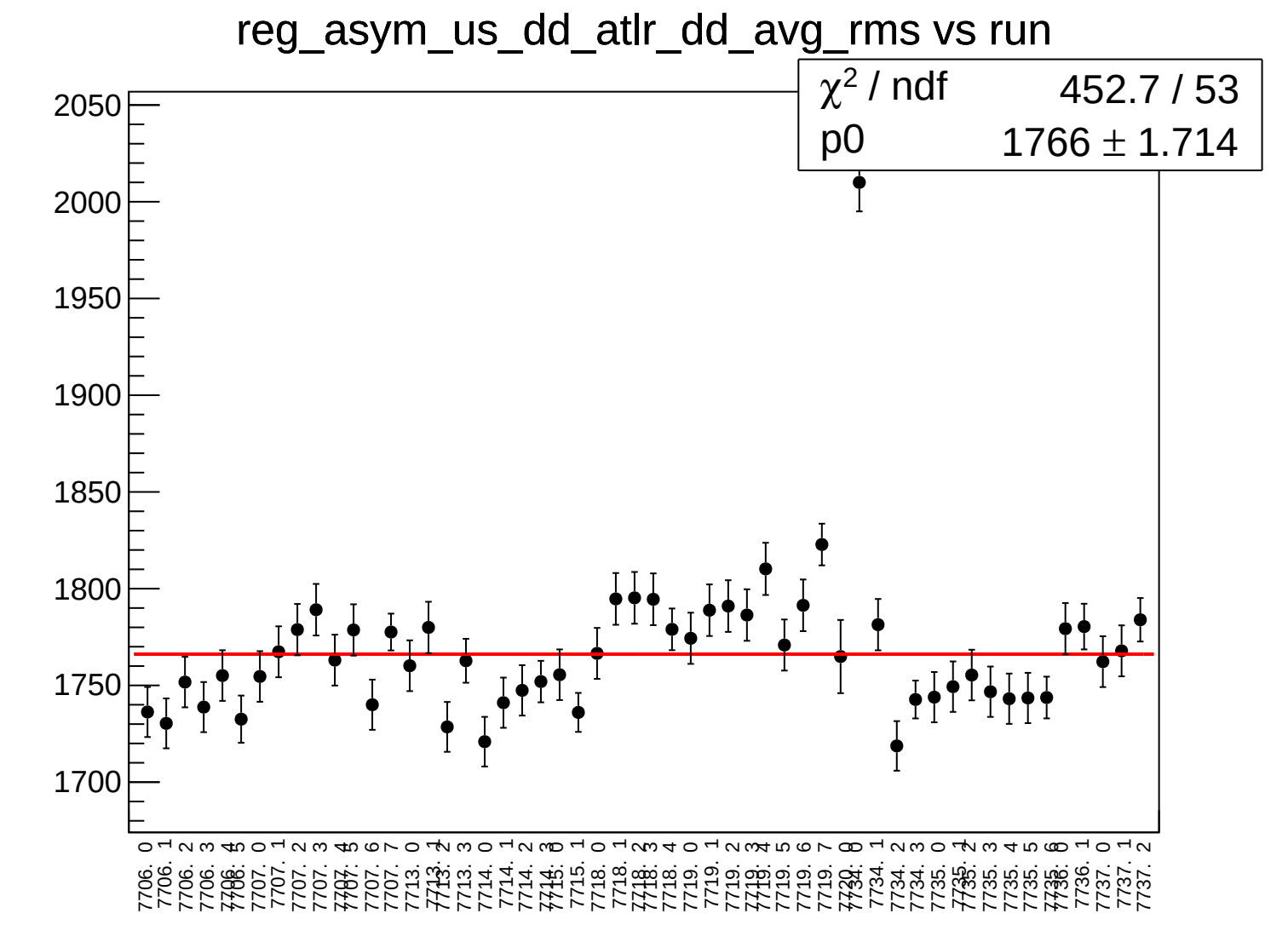

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.018e+05 / 53
p0 70.73 ± 0.07218
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

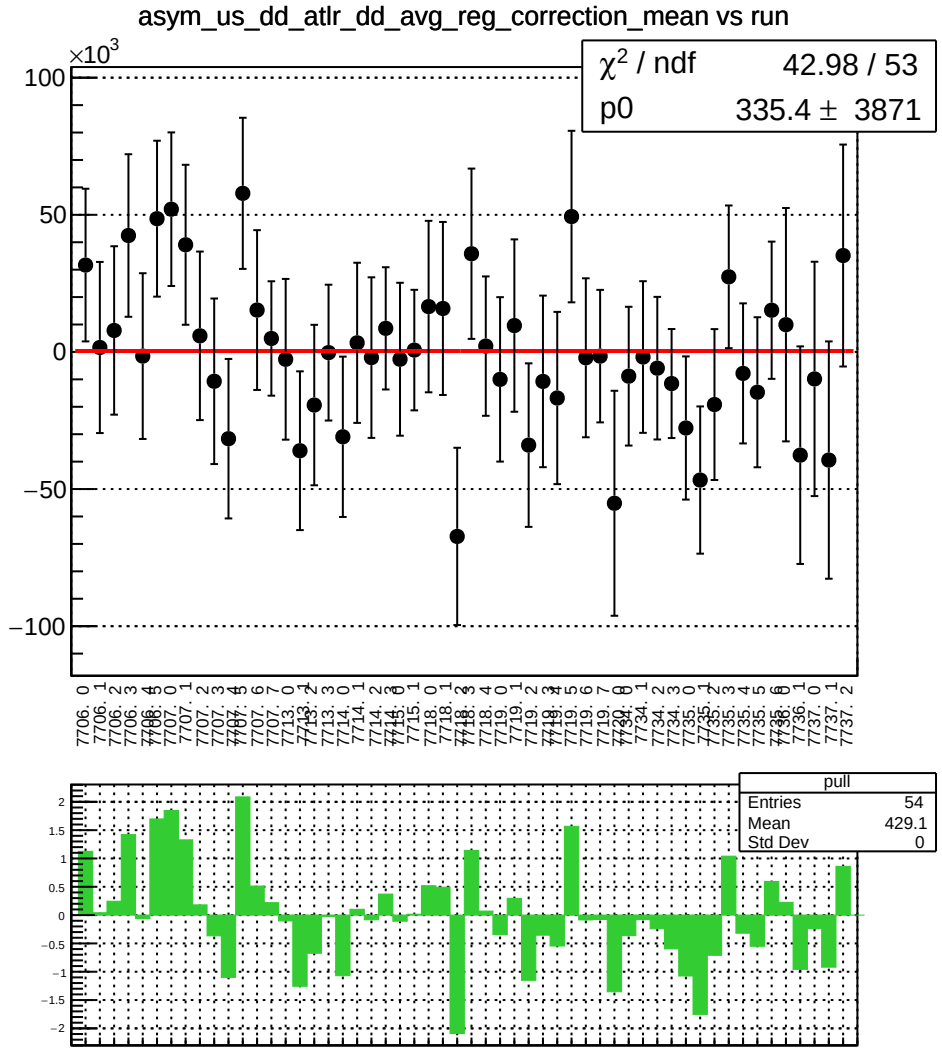

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.2 / 53
p0 2.746e−14 ± 6.322e−14
5
0
−5
−10
−15
pull
Entries 54
Mean 23.26
Std Dev 0
pull1D
Entries 54
Mean −0.09961
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

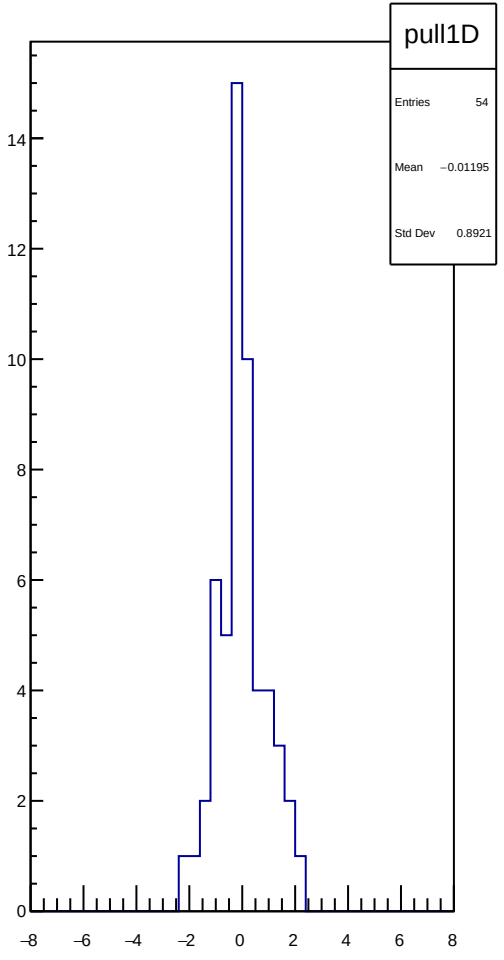

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.095e+05 / 53
p0 3.322e−11 ± 4.47e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

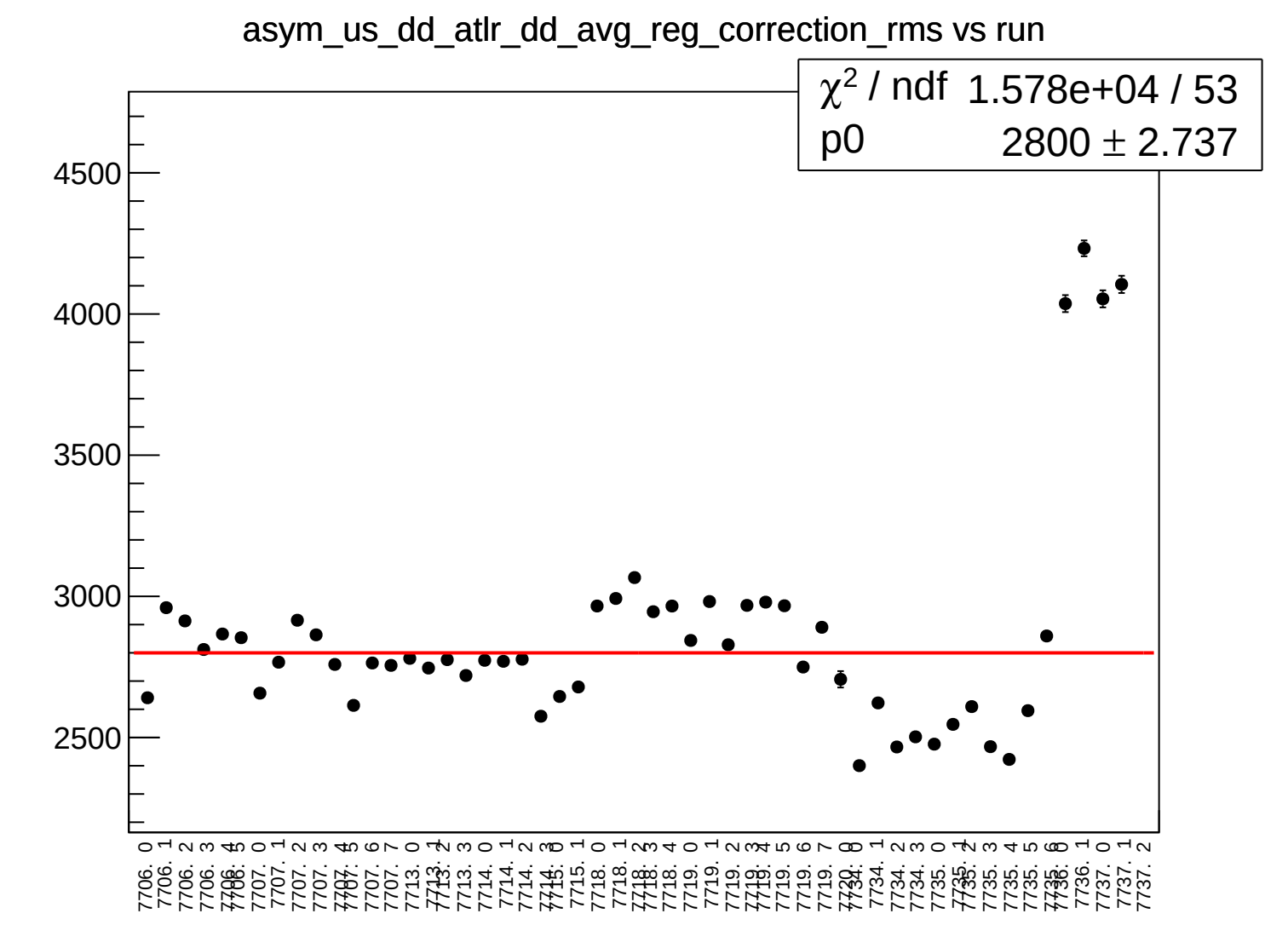

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 58 / 53
p0 −3119 ± 2424
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 371.6
Std Dev 0
2
1
0
−1
−2

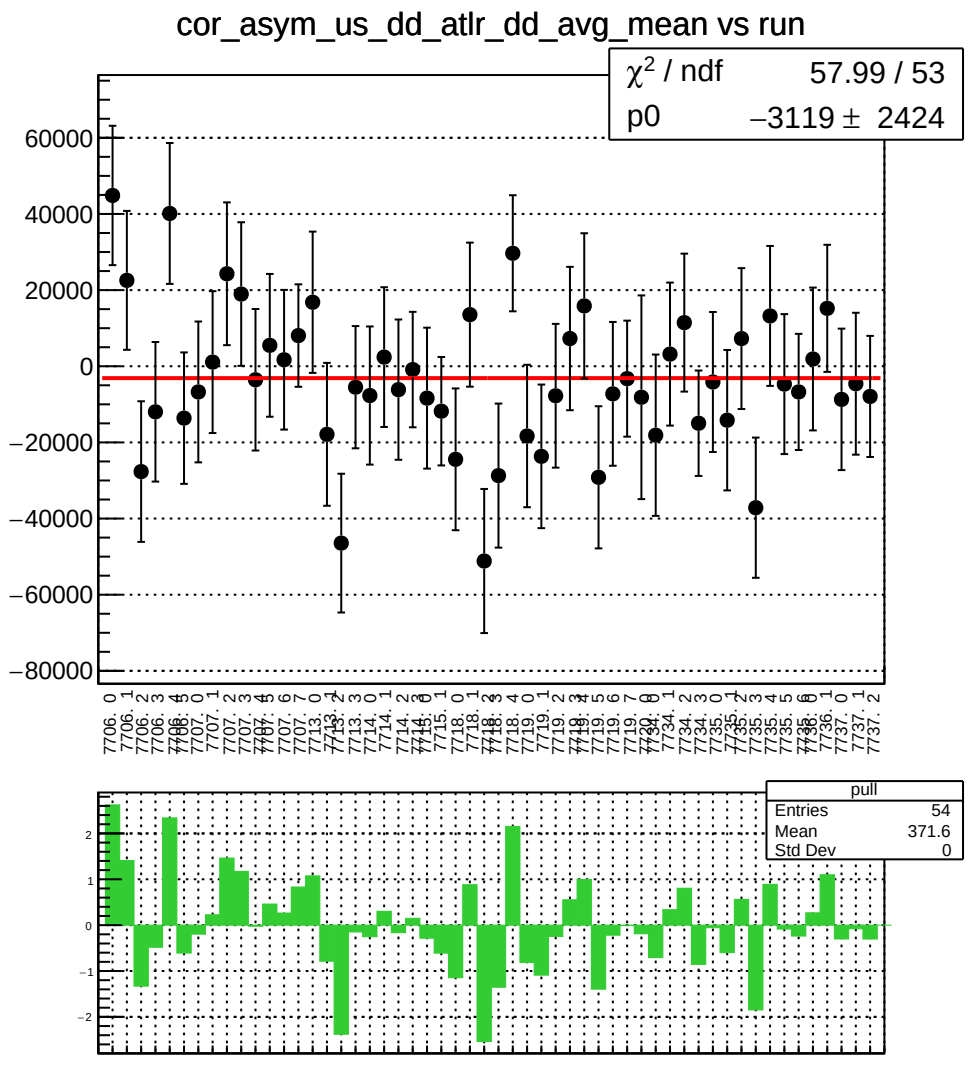

pull1D
Entries 54
Mean −0.00899
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

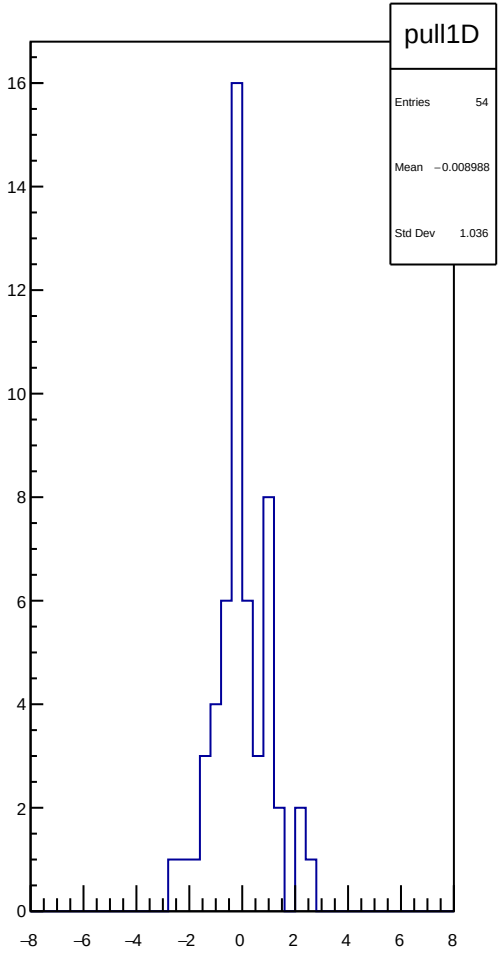

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 452.7 / 53
p0 1766 ± 1.714
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

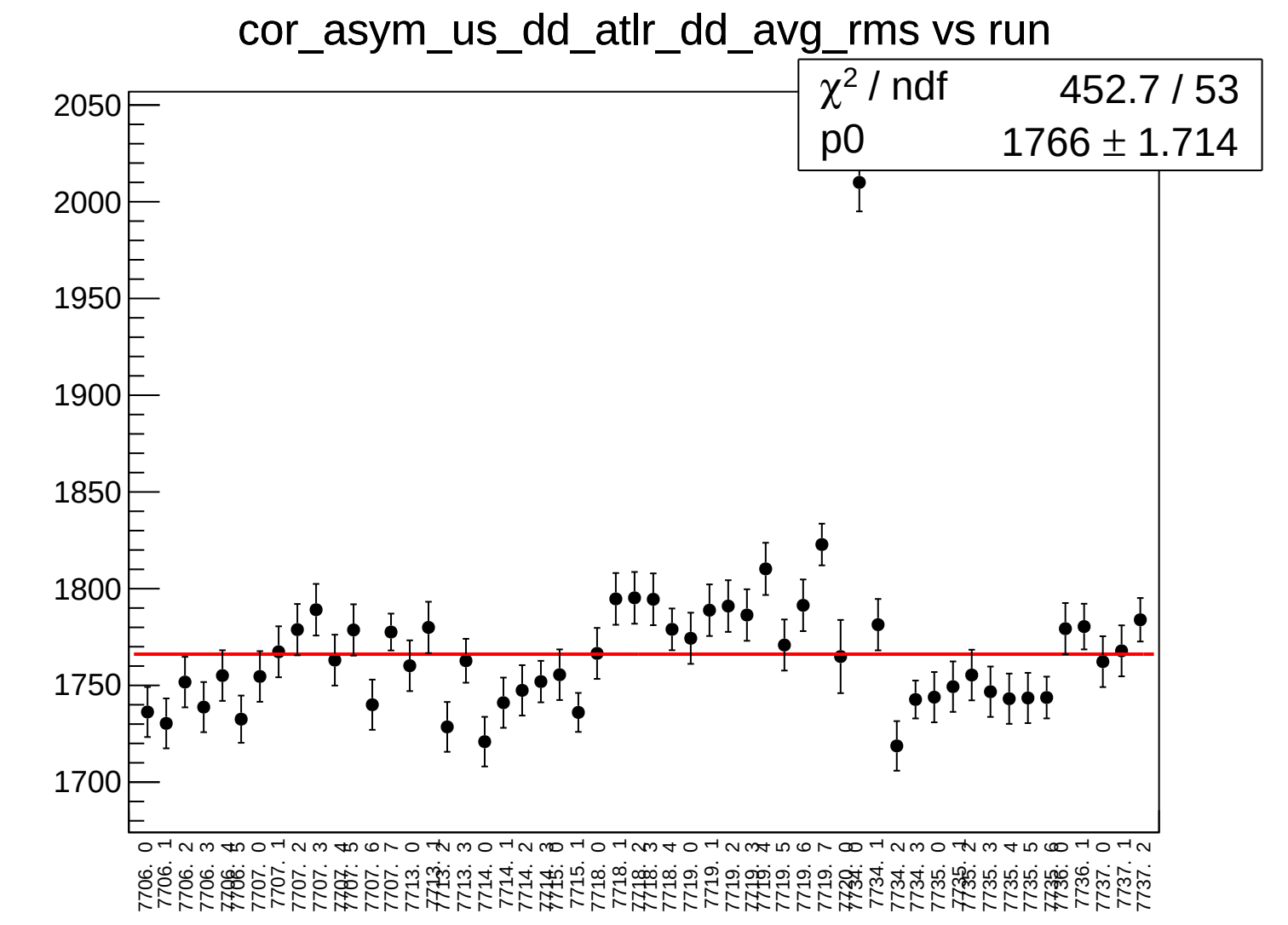

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 335.4 ± 3871
pull
Entries 54
Mean 429.1
Std Dev 0

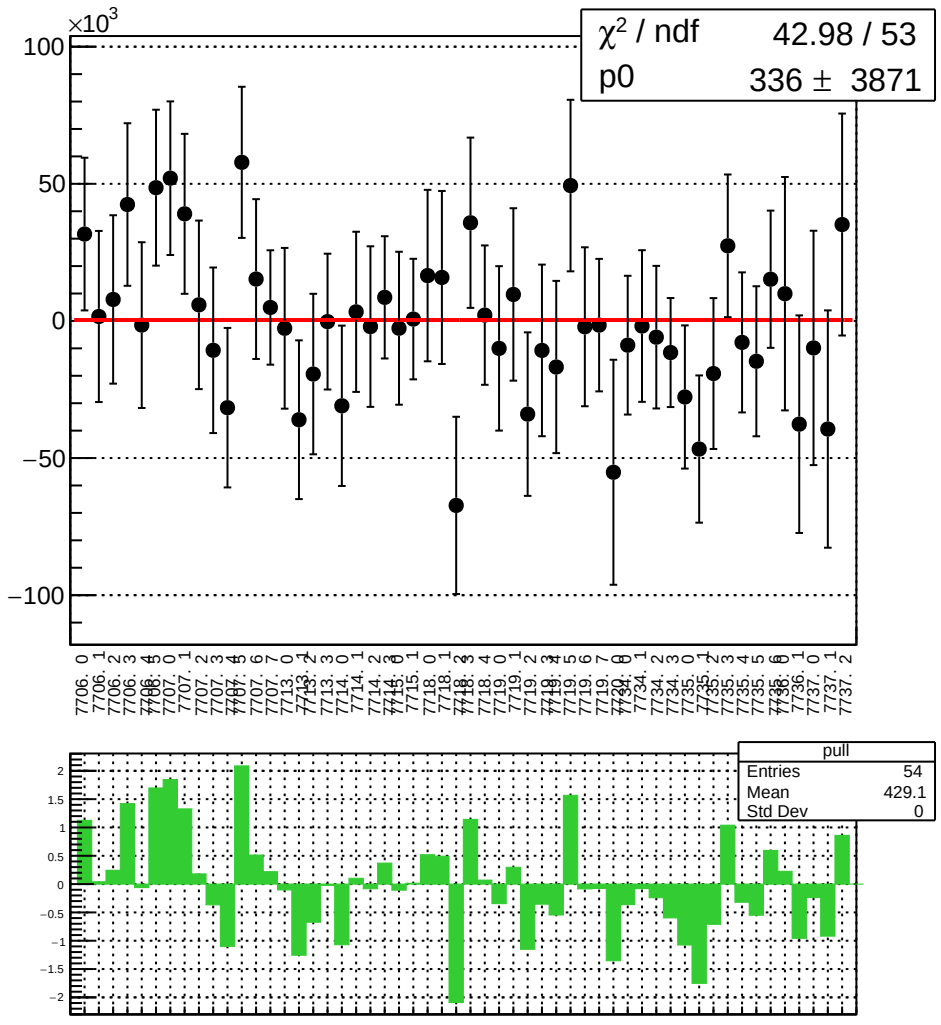

pull1D
Entries 54
Mean −0.01195
Std Dev 0.8921

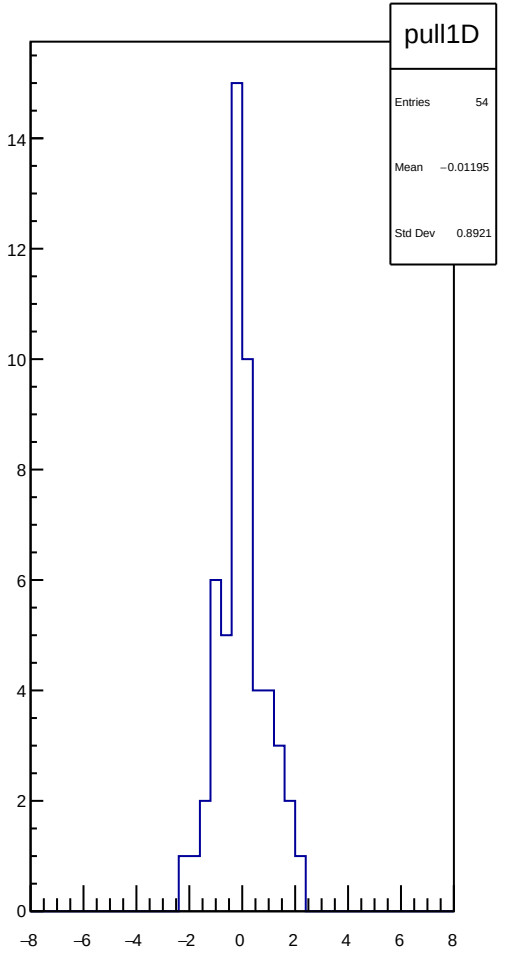

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.578e+04 / 53
p0 2800 ± 2.737
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

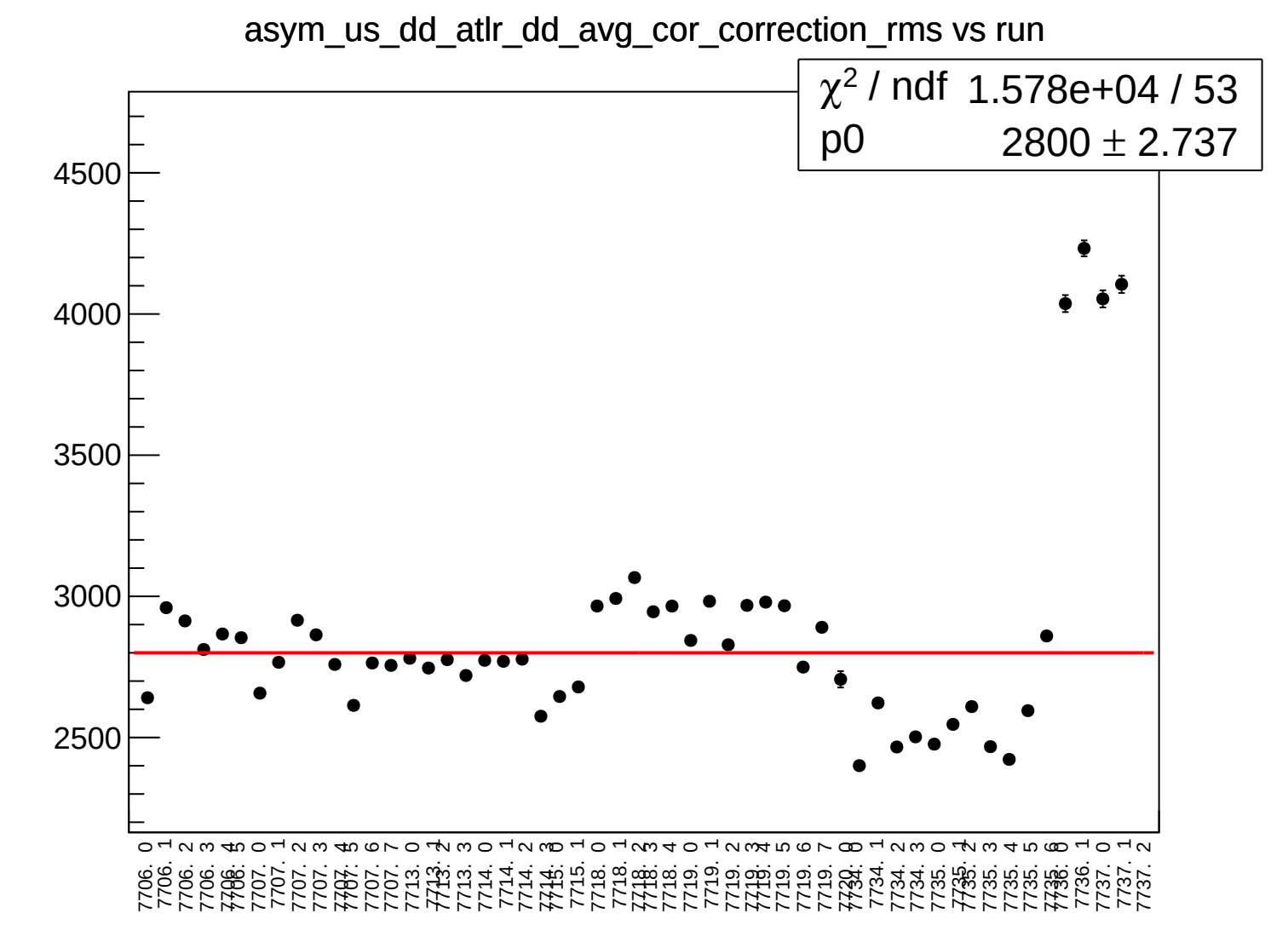

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 57.99 / 53
p0 −3119 ± 2424
pull
Entries 54
Mean 371.6
Std Dev 0

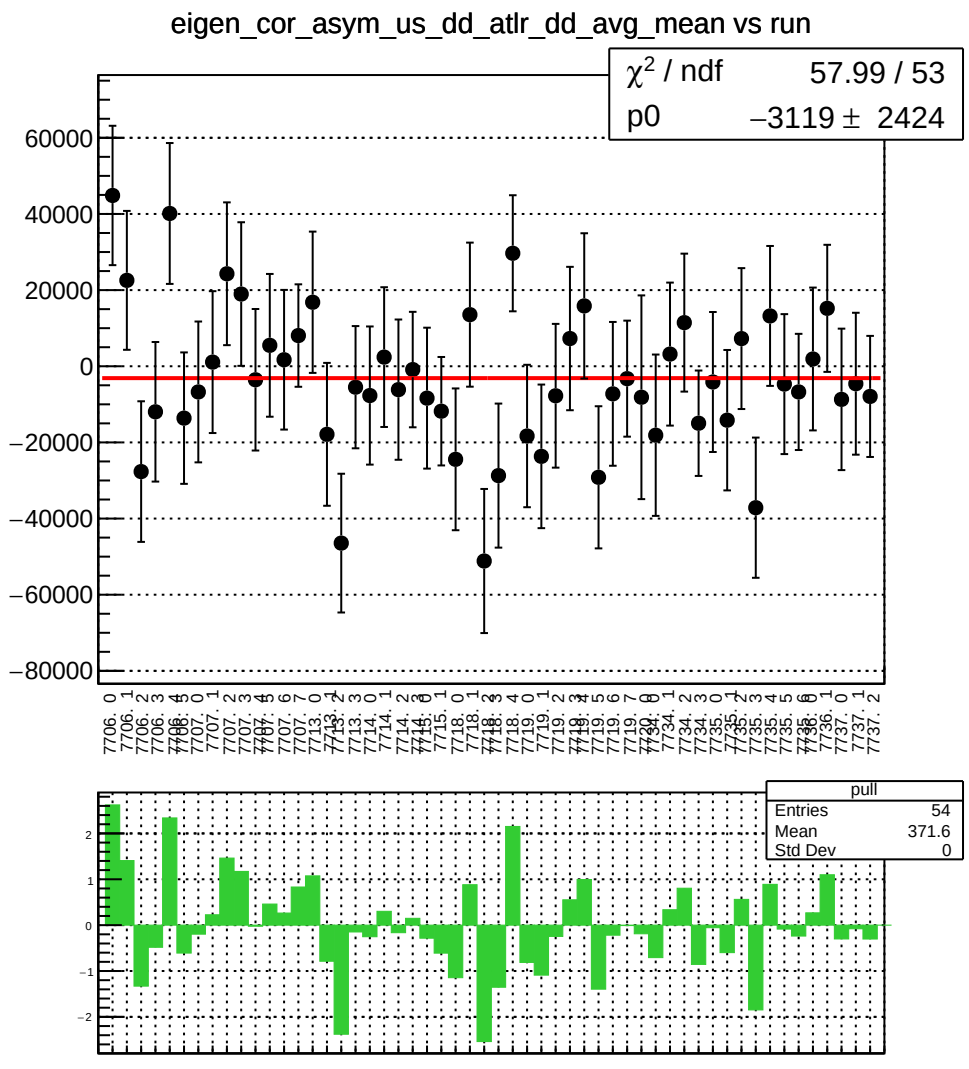

pull1D
Entries 54
Mean −0.008988
Std Dev 1.036

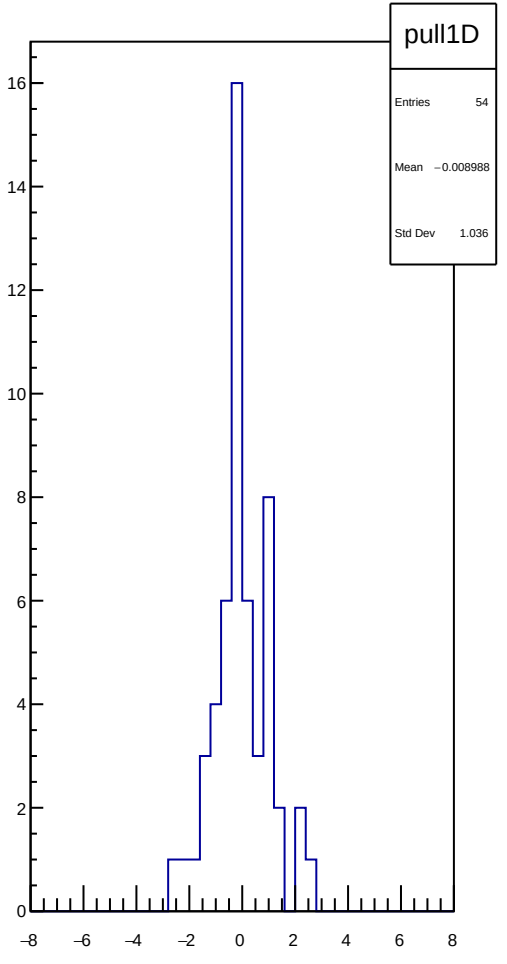

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 452.7 / 53
p0 1766 ± 1.714
2050
2000
1950
1900
1850
1800
1750
1700

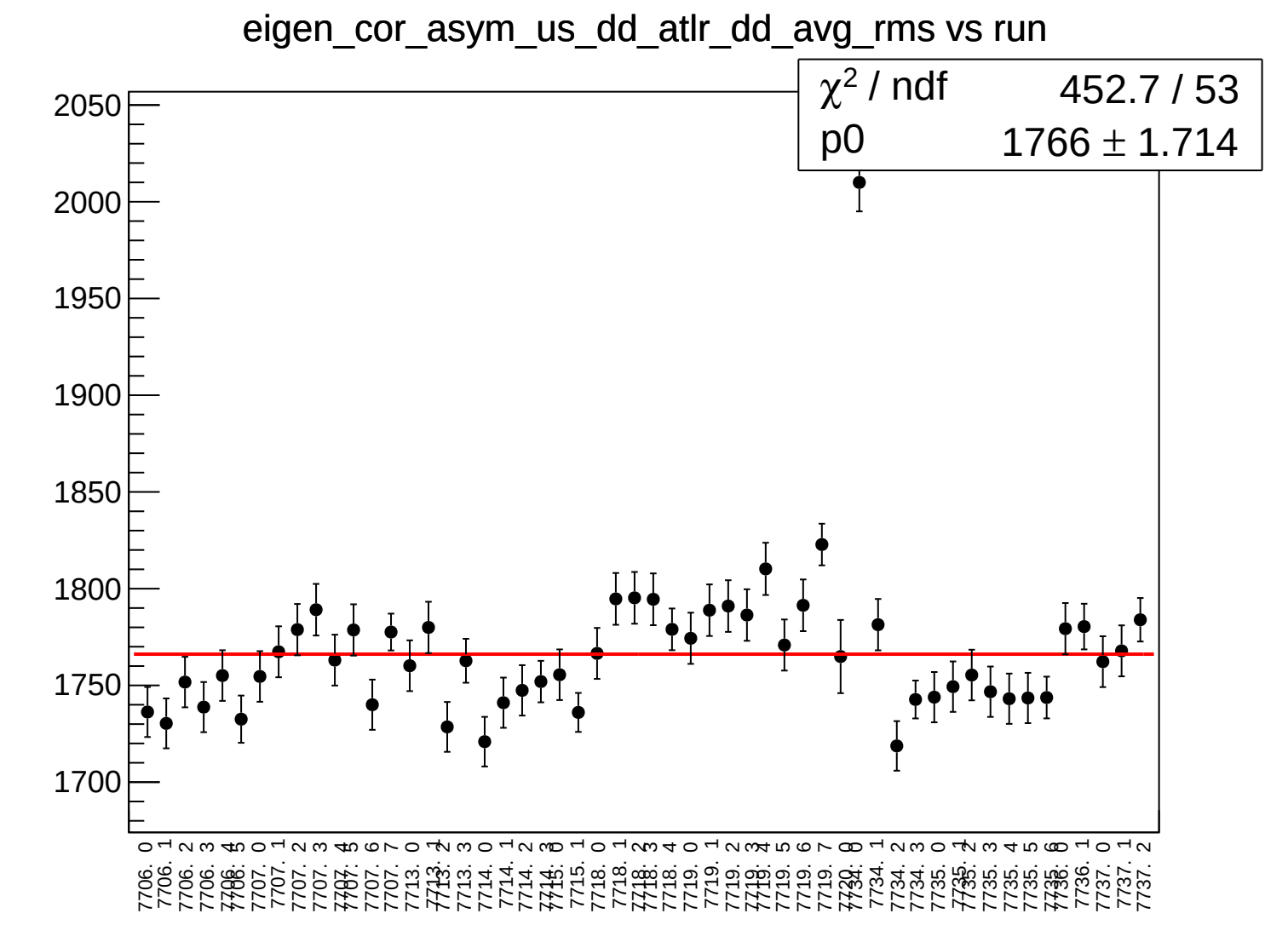

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 336 ± 3871
pull
Entries 54
Mean 429.1
Std Dev 0

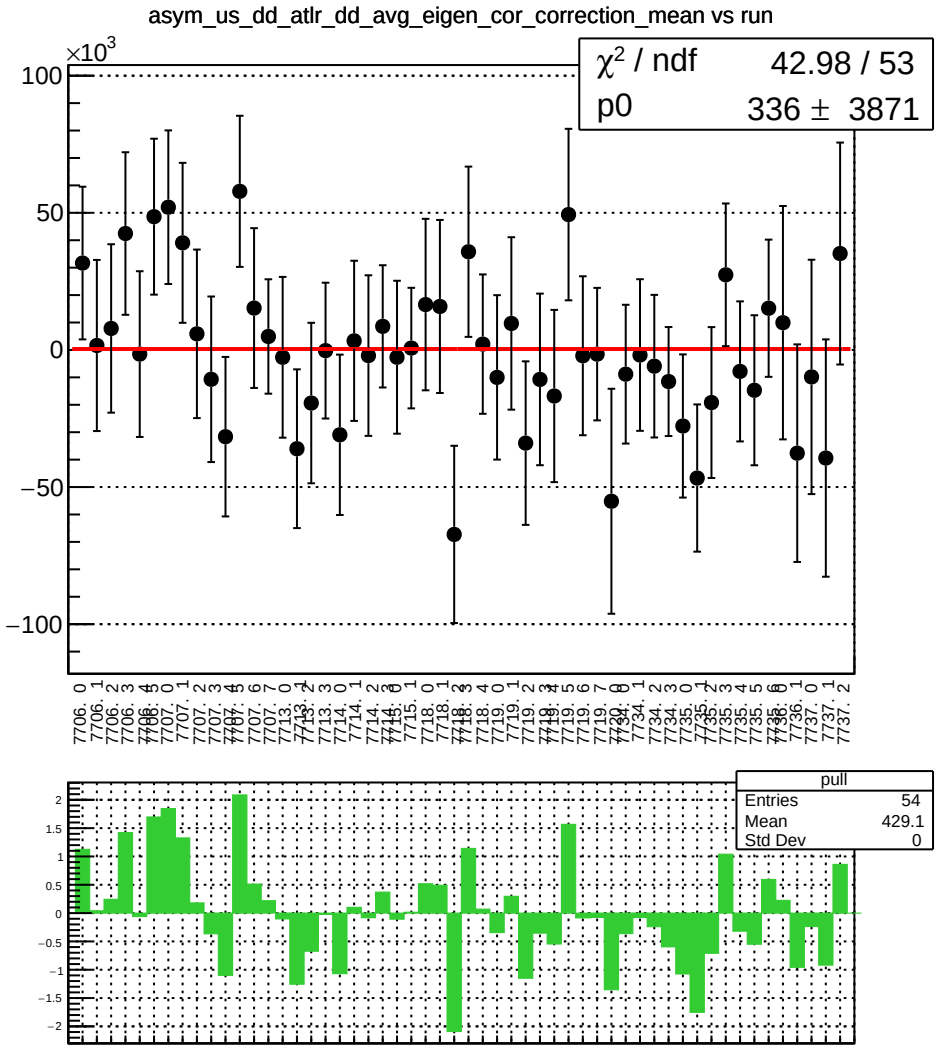

pull1D
Entries 54
Mean −0.01195
Std Dev 0.8921

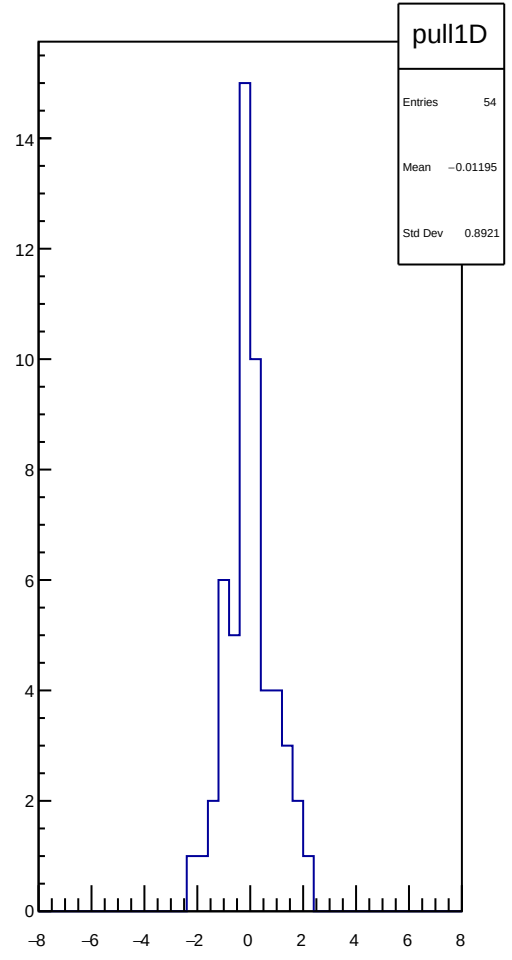

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.578e+04 / 53
p0 2800 ± 2.737
4500
4000
3500
3000
2500

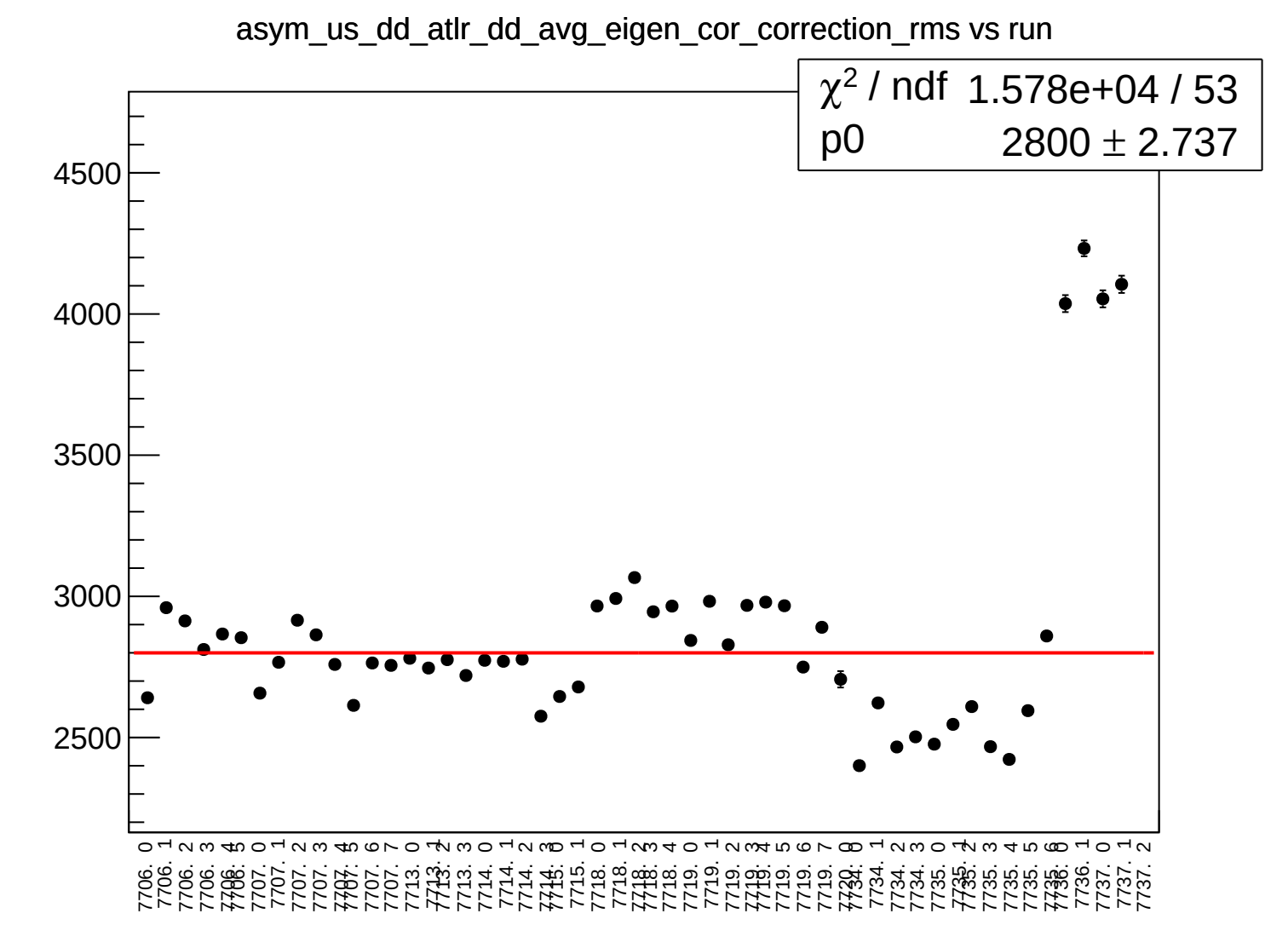

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 57.99 / 53
p0 −3119 ± 2424
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 371.6
Std Dev 0
2
1
0
−1
−2

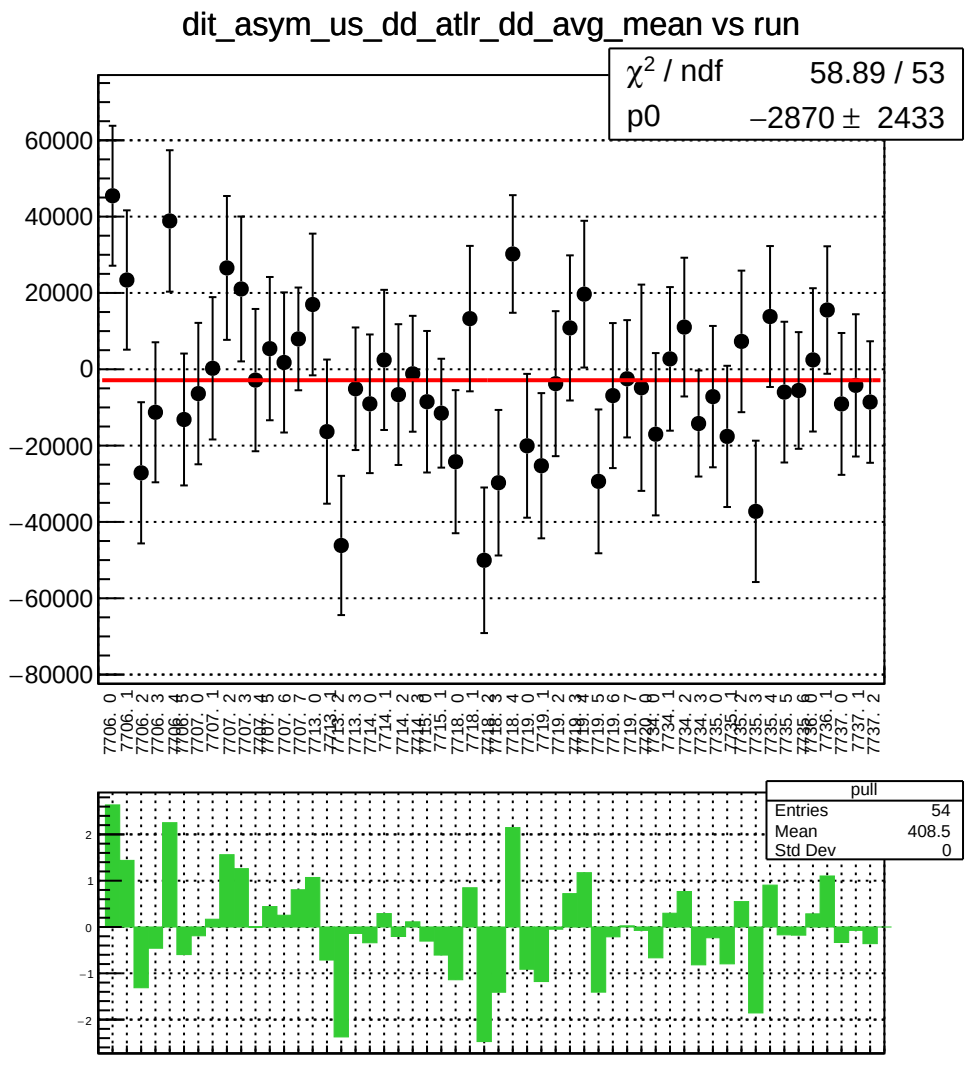

pull1D
Entries 54
Mean −0.008988
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

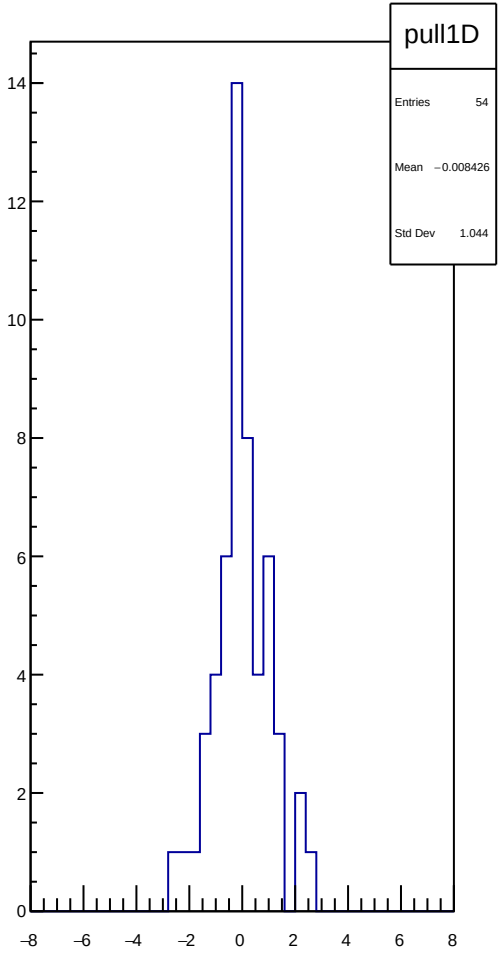

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 452.7 / 53
p0 1766 ± 1.714
2050
2000
1950
1900
1850
1800
1750
1700

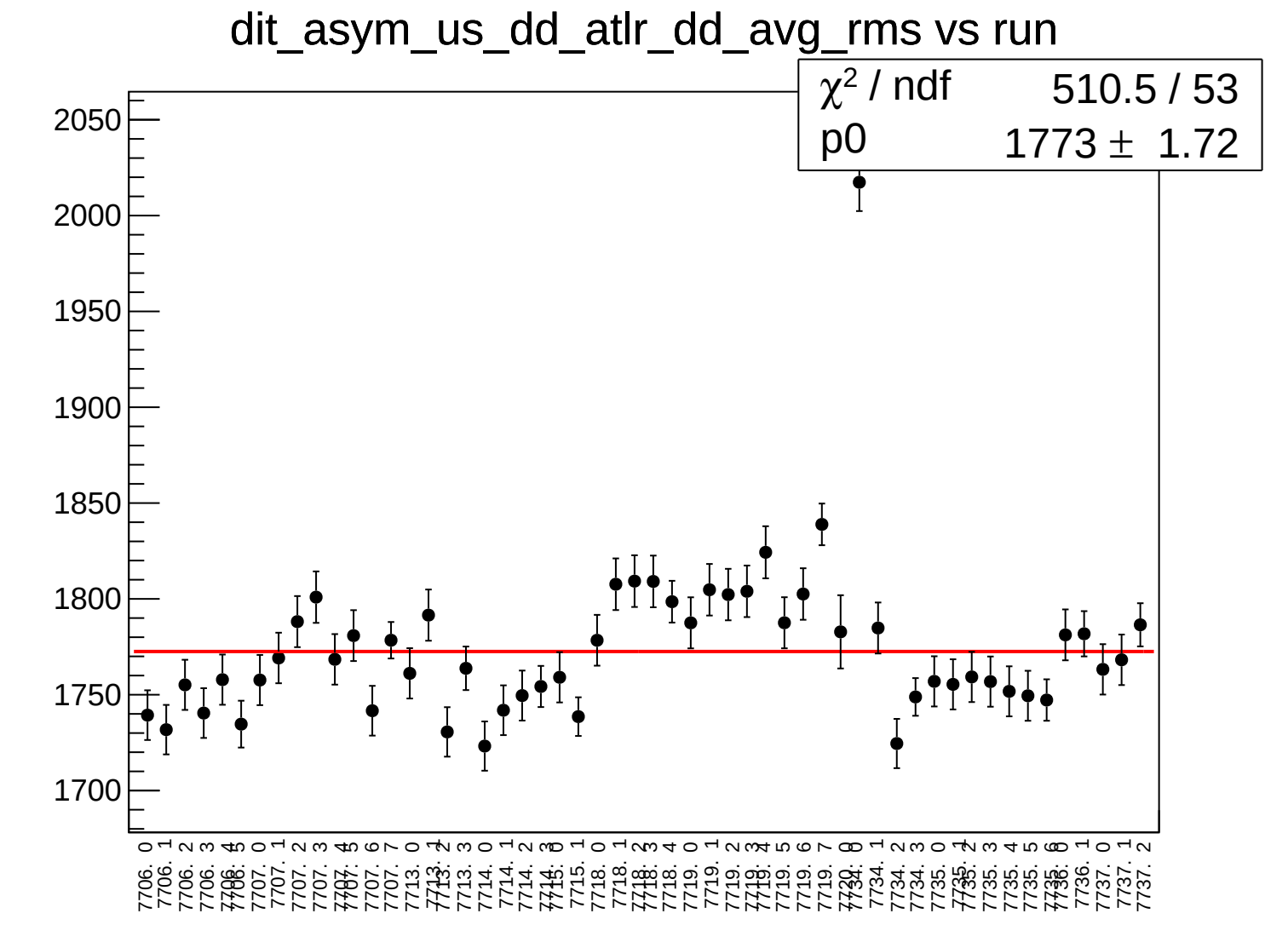

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.98 / 53
p0 336 ± 3871
pull
Entries 54
Mean 429.1
Std Dev 0

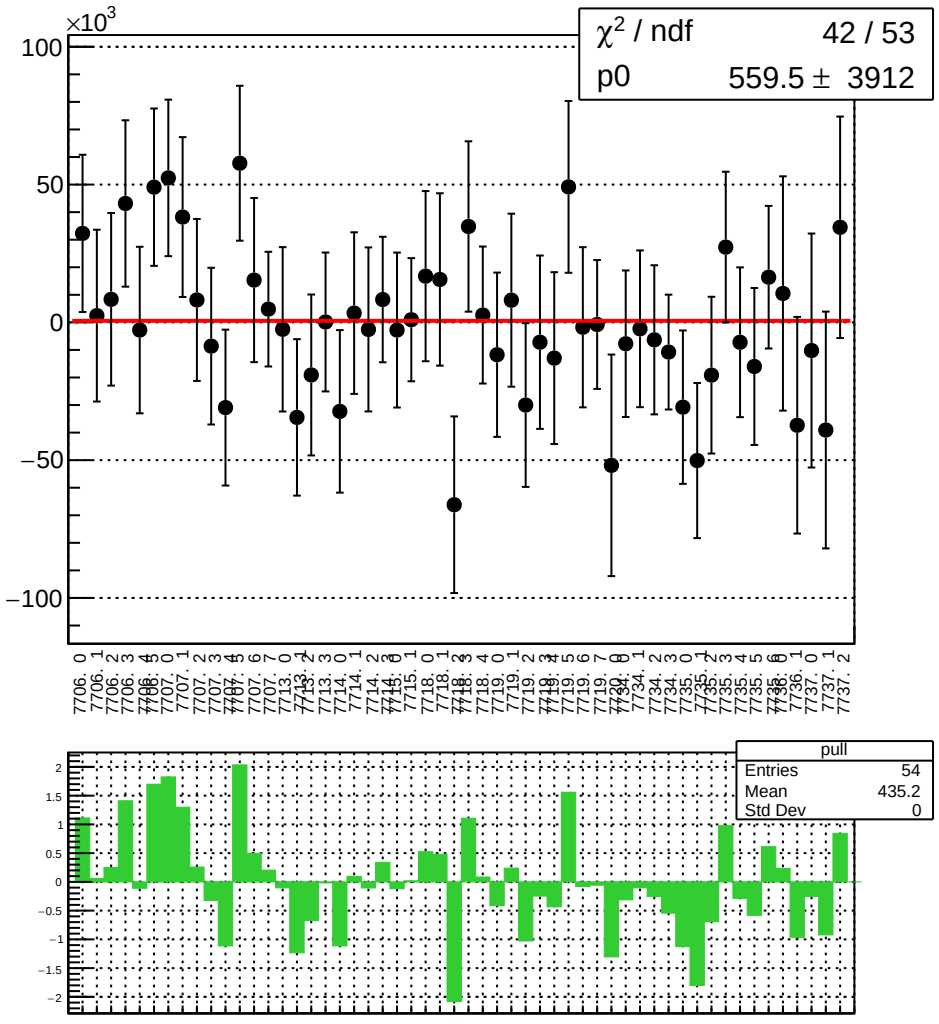

pull1D
Entries 54
Mean −0.01195
Std Dev 0.8921

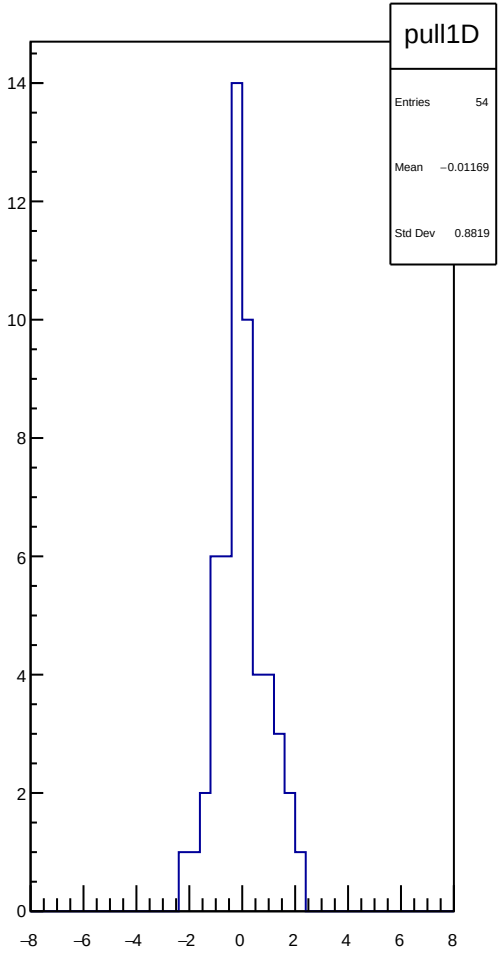

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.578e+04 / 53
p0 2800 ± 2.737
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

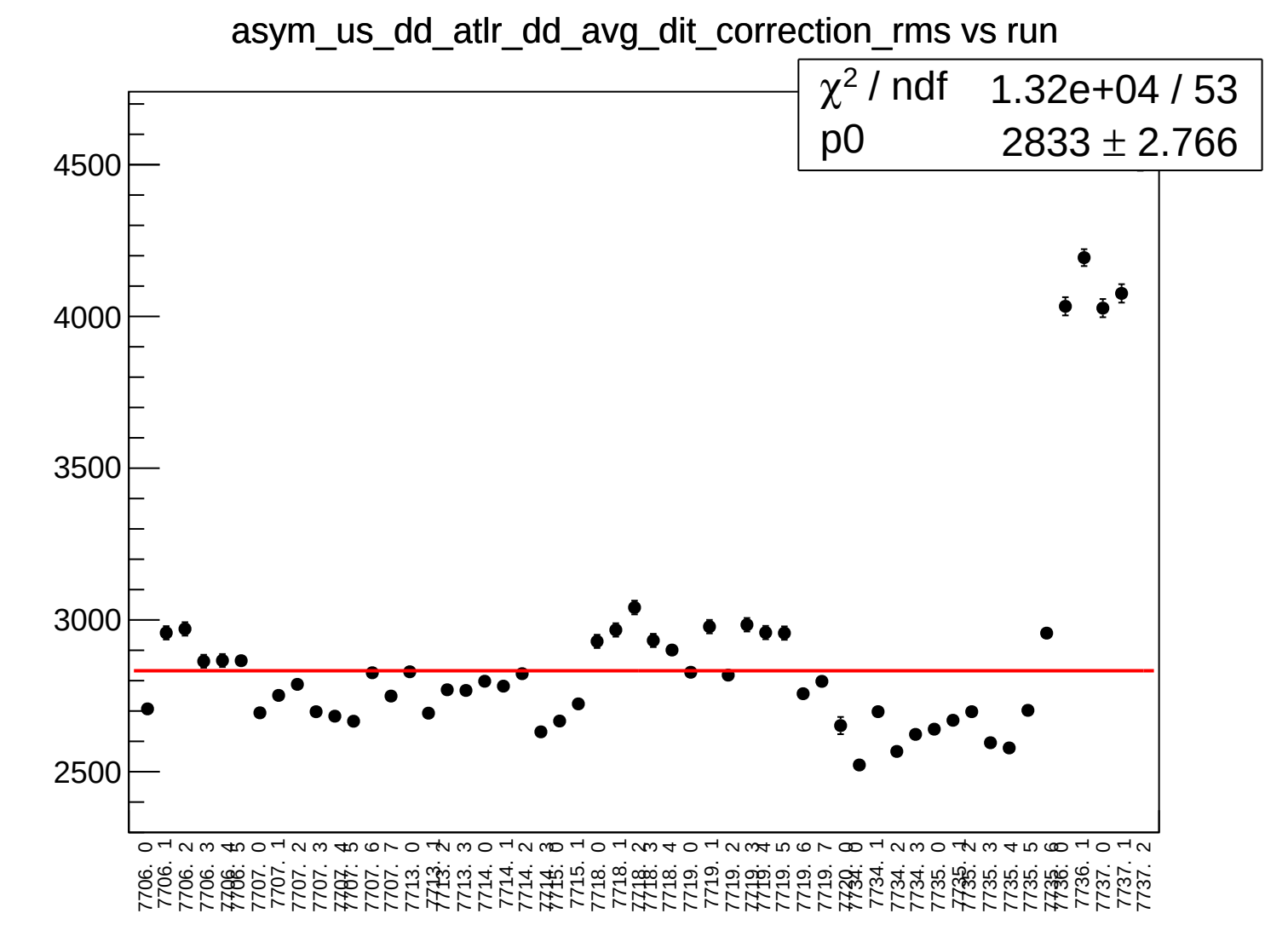

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 58.89 / 53
p0 −2870 ± 2433
pull
Entries 54
Mean 408.5
Std Dev 0

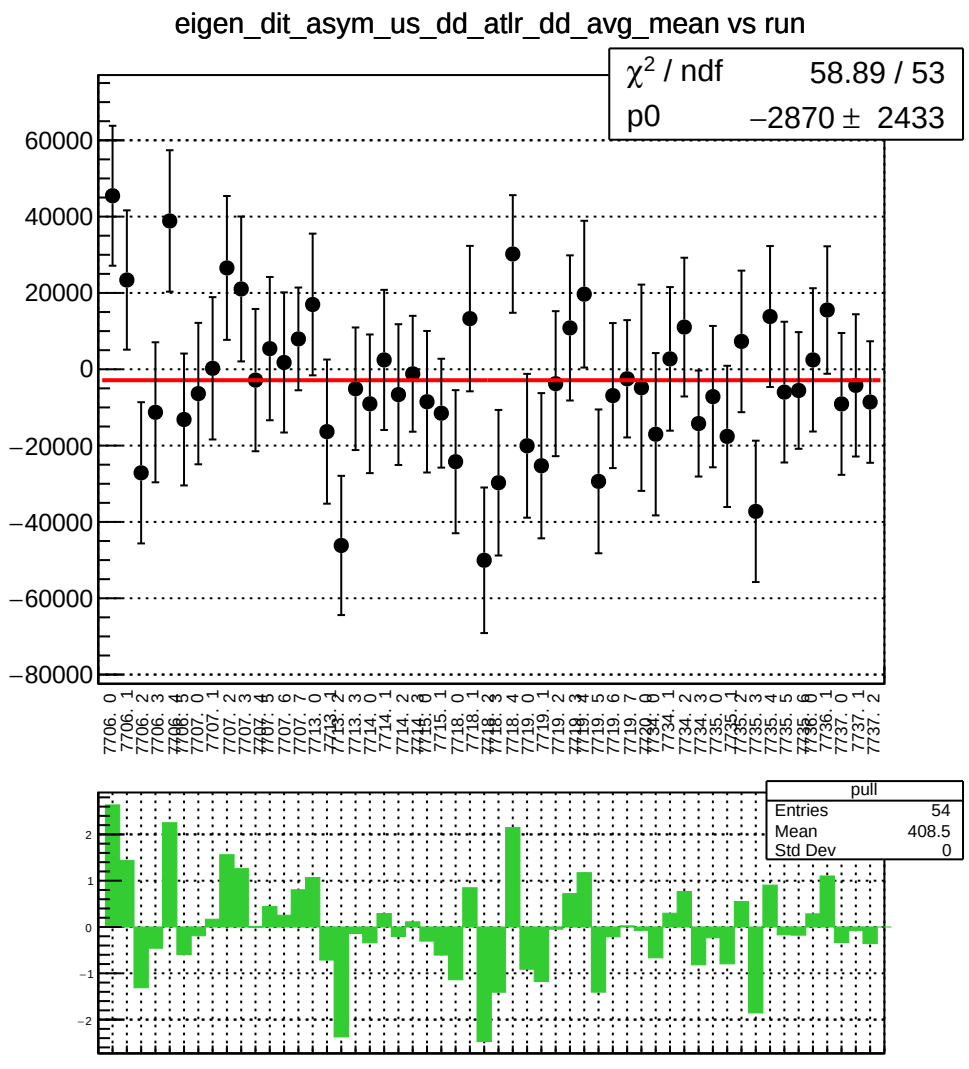

pull1D
Entries 54
Mean −0.008426
Std Dev 1.044

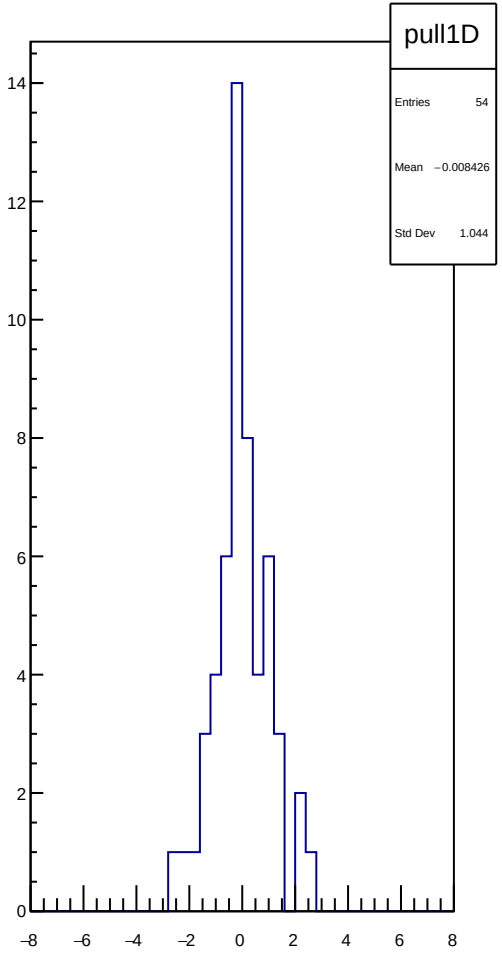

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 510.5 / 53
p0 1773 ± 1.72
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

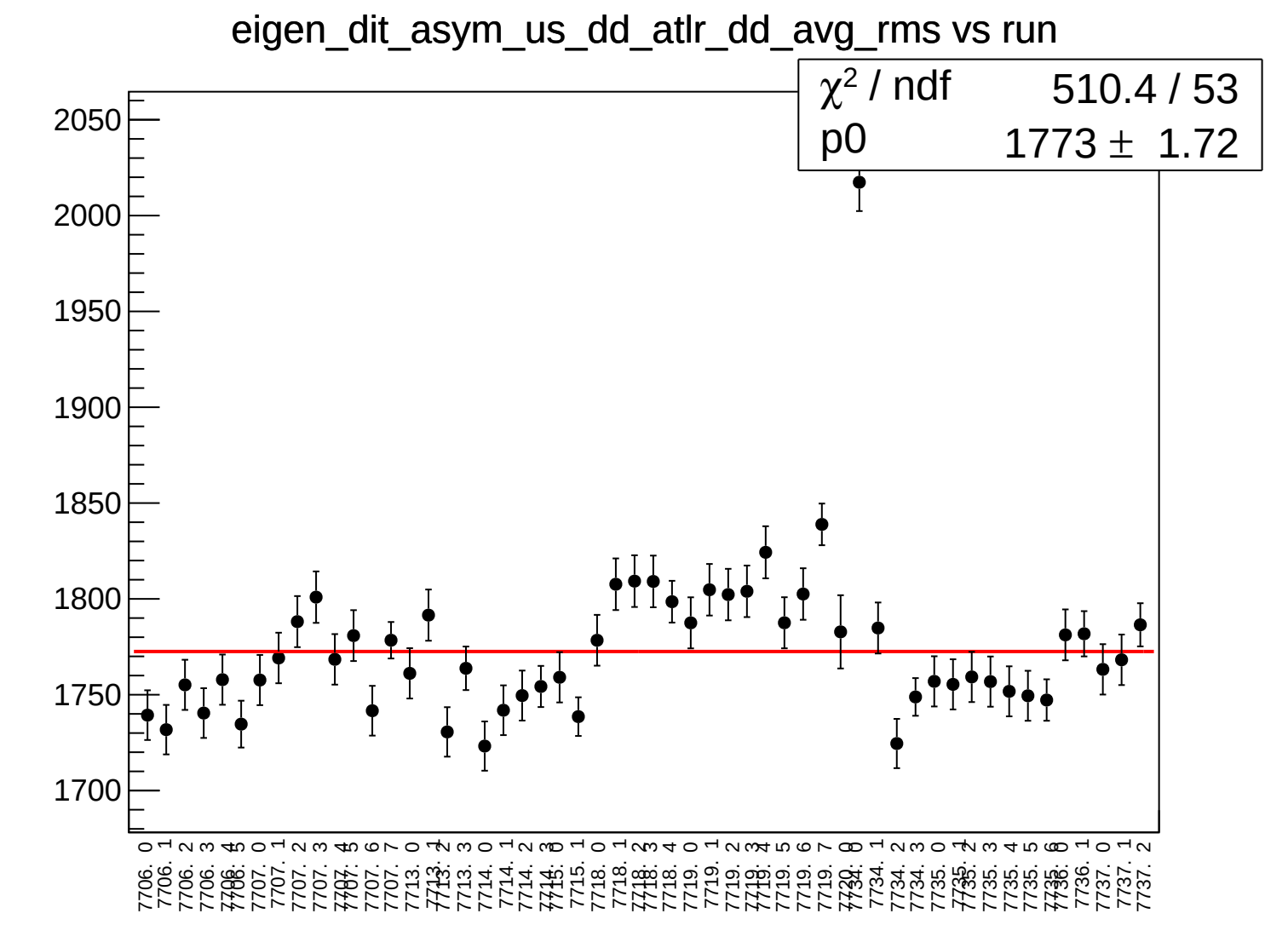

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 42 / 53
p0 559.5 ± 3912
pull
Entries 54
Mean 435.2
Std Dev 0

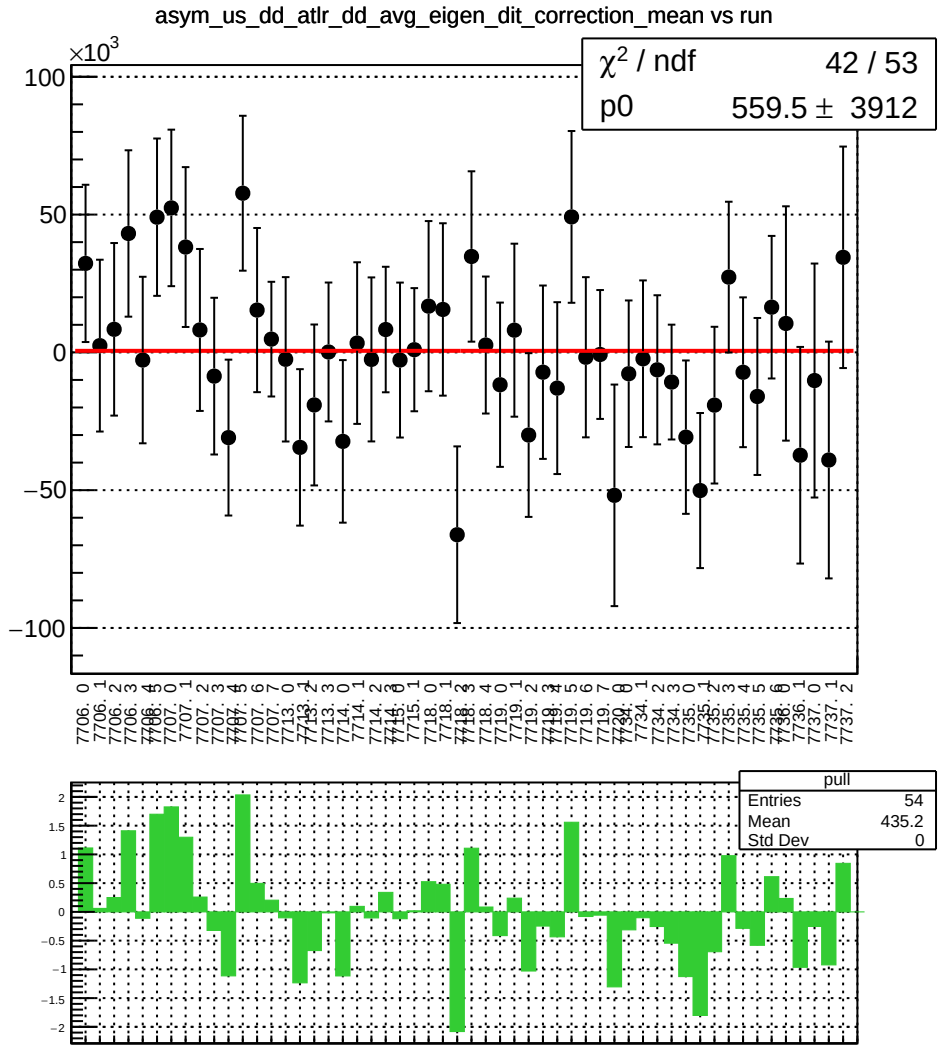

pull1D
Entries 54
Mean −0.01169
Std Dev 0.8819

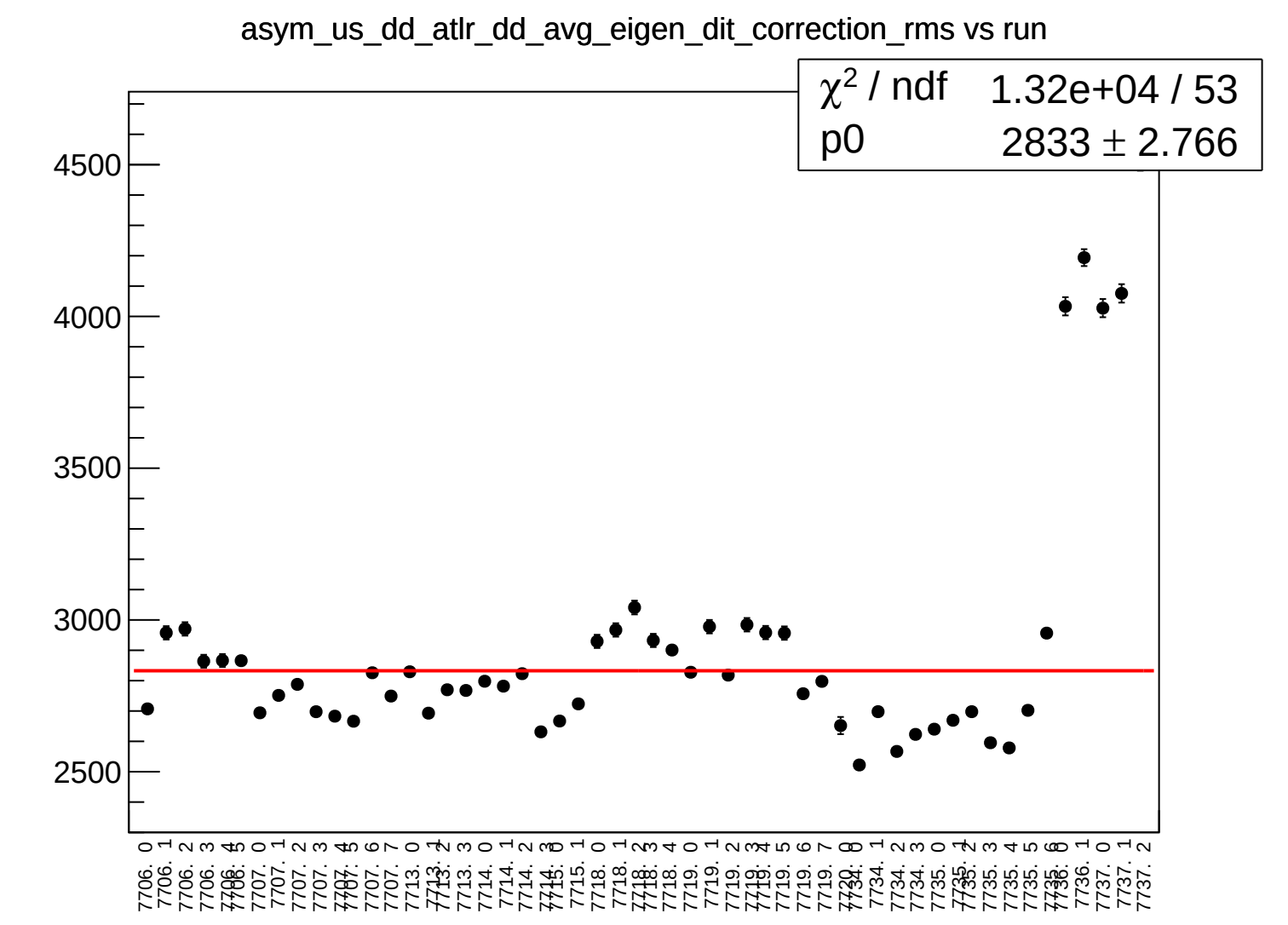

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.32e+04 / 53
p0 2833 ± 2.766
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

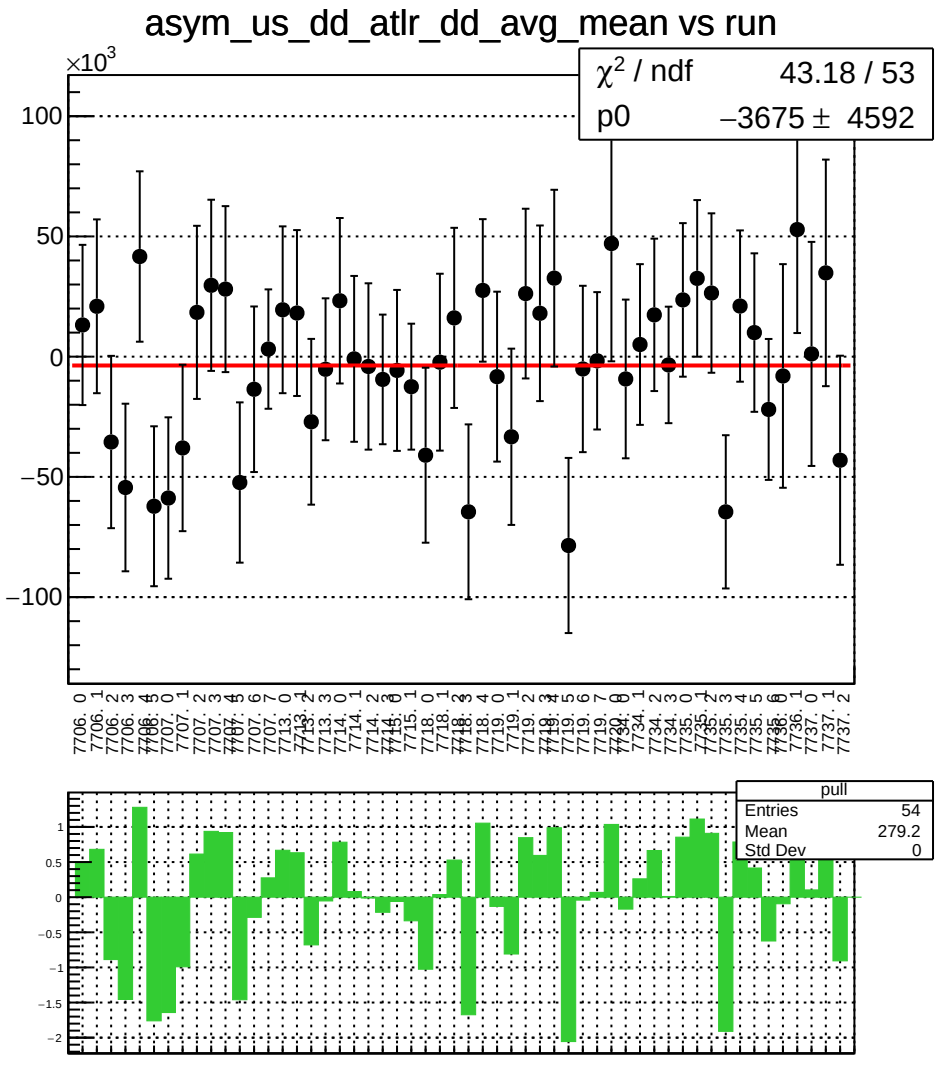

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 58.89 / 53
p0 −2870 ± 2433
pull
Entries 54
Mean 408.5
Std Dev 0

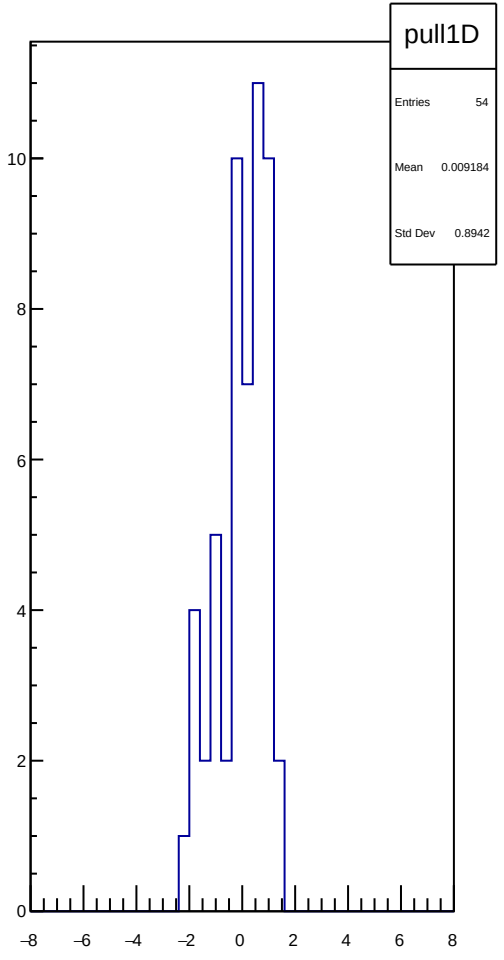

pull1D
Entries 54
Mean −0.008426
Std Dev 1.044

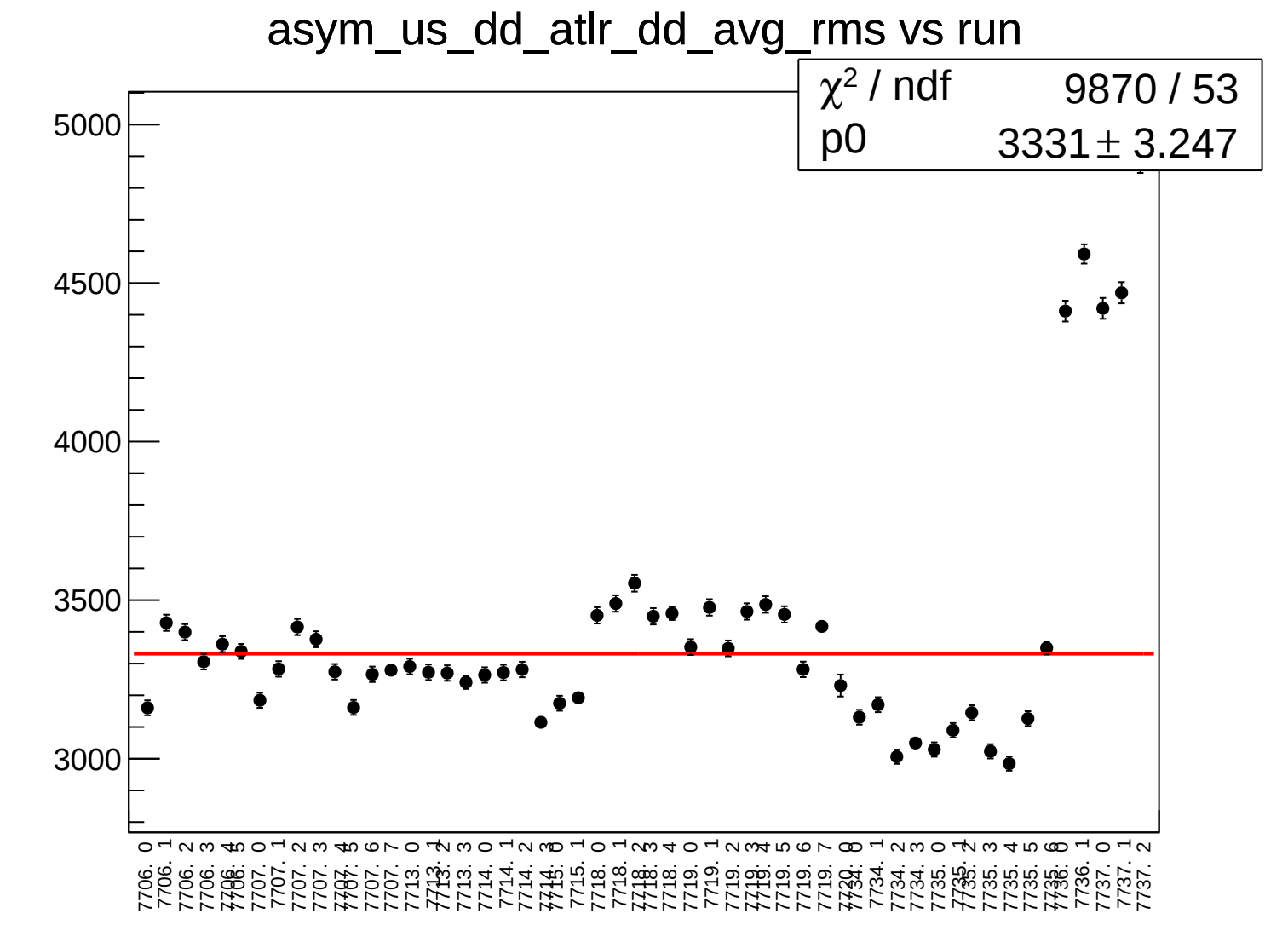

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 510.4 / 53
p0 1773 ± 1.72
2050
2000
1950
1900
1850
1800
1750
1700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

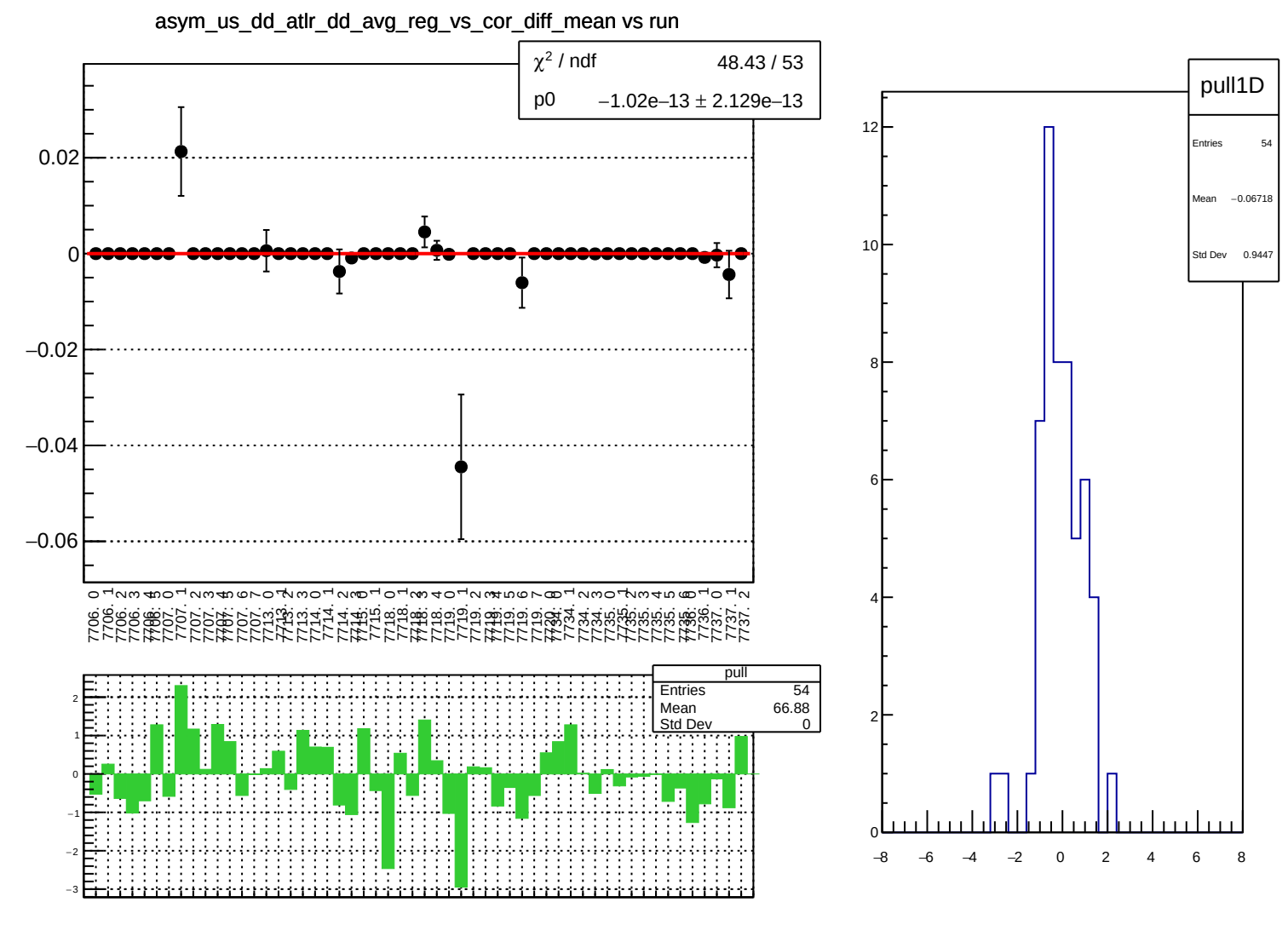

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42 / 53
p0 559.5 ± 3912
pull
Entries 54
Mean 435.2
Std Dev 0
pull1D
Entries 54
Mean −0.01169
Std Dev 0.8819

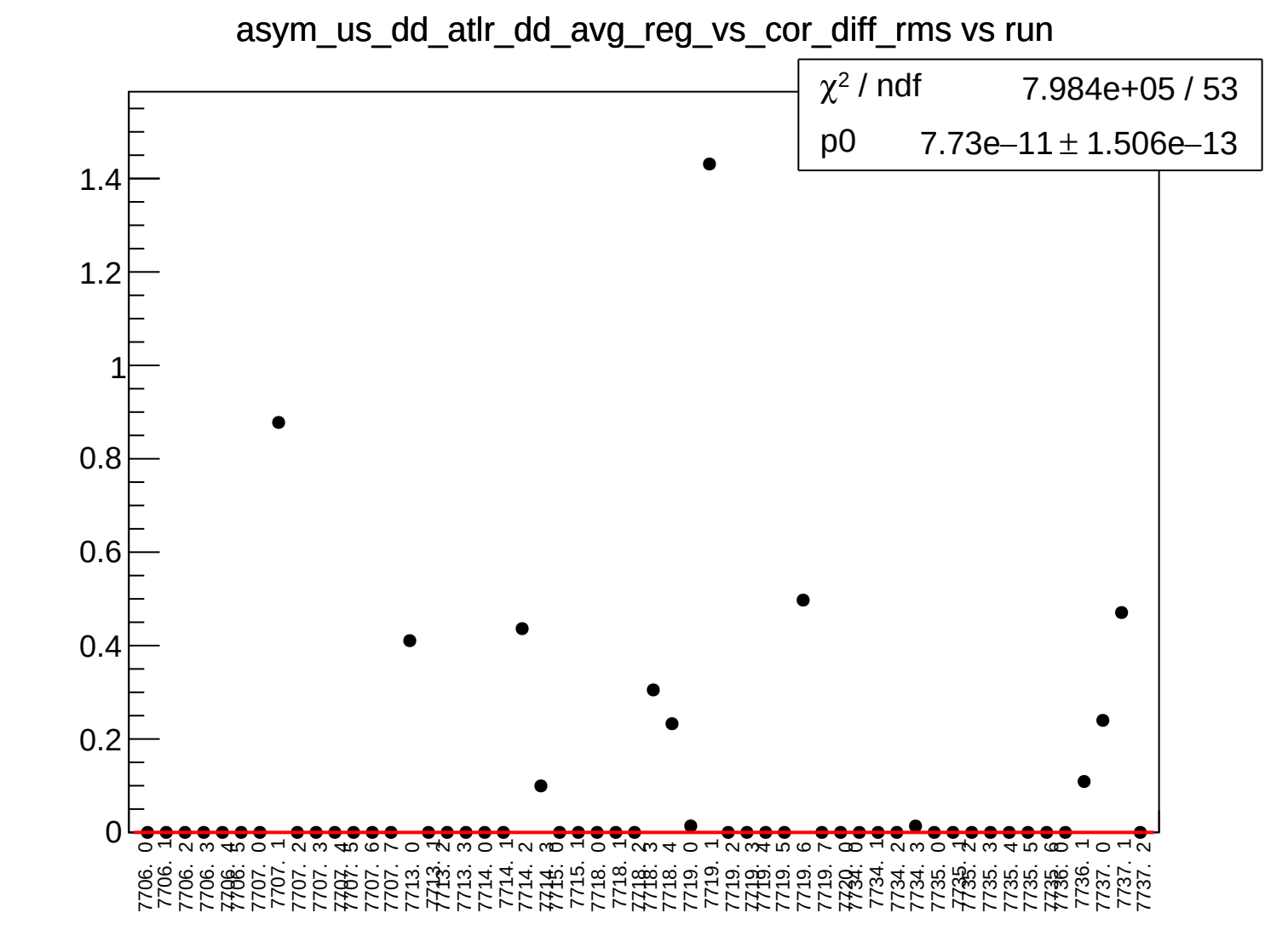

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.32e+04 / 53
p0 2833 ± 2.766
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

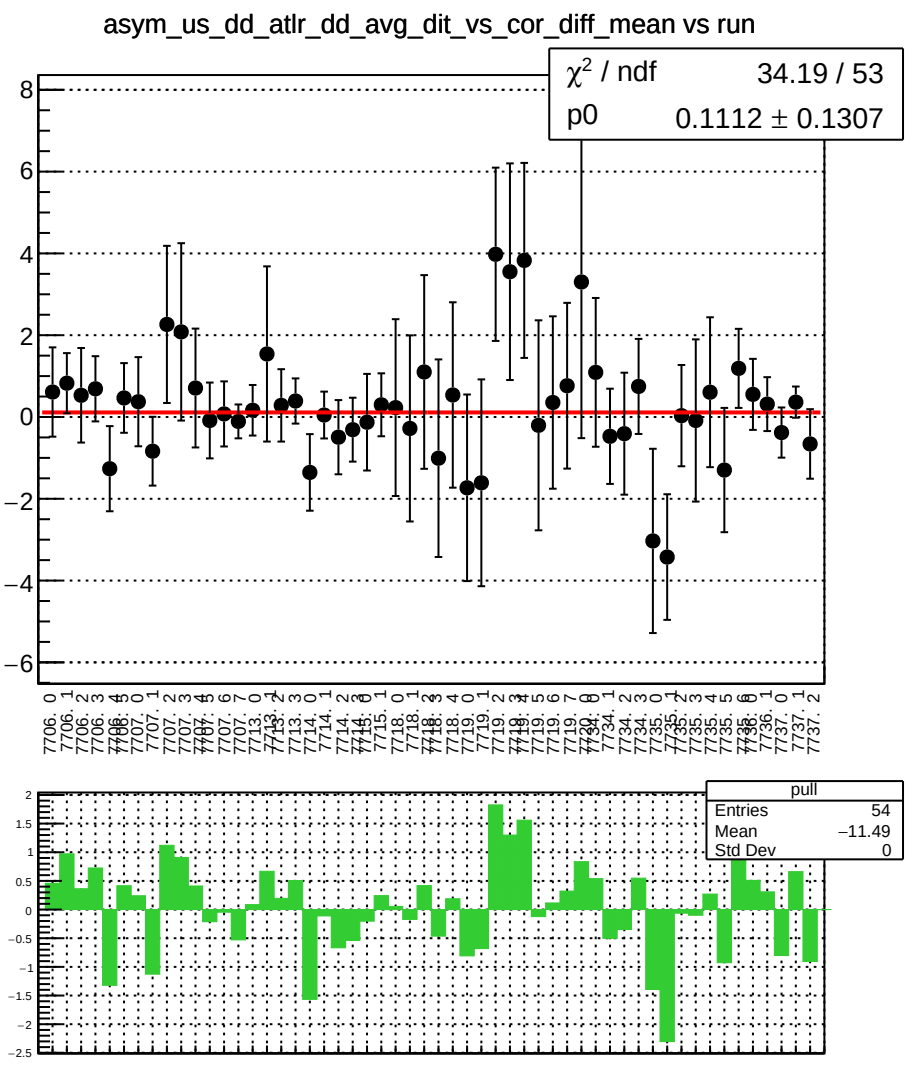

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 43.18 / 53
p0 −3675 ± 4592
100
50
0
−50
−100
pull
Entries 54
Mean 279.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

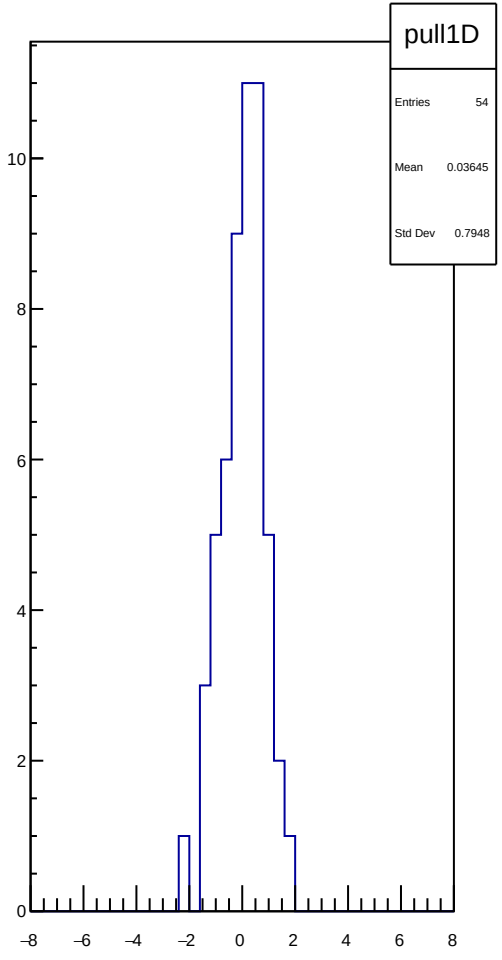

pull1D
Entries 54
Mean 0.009184
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

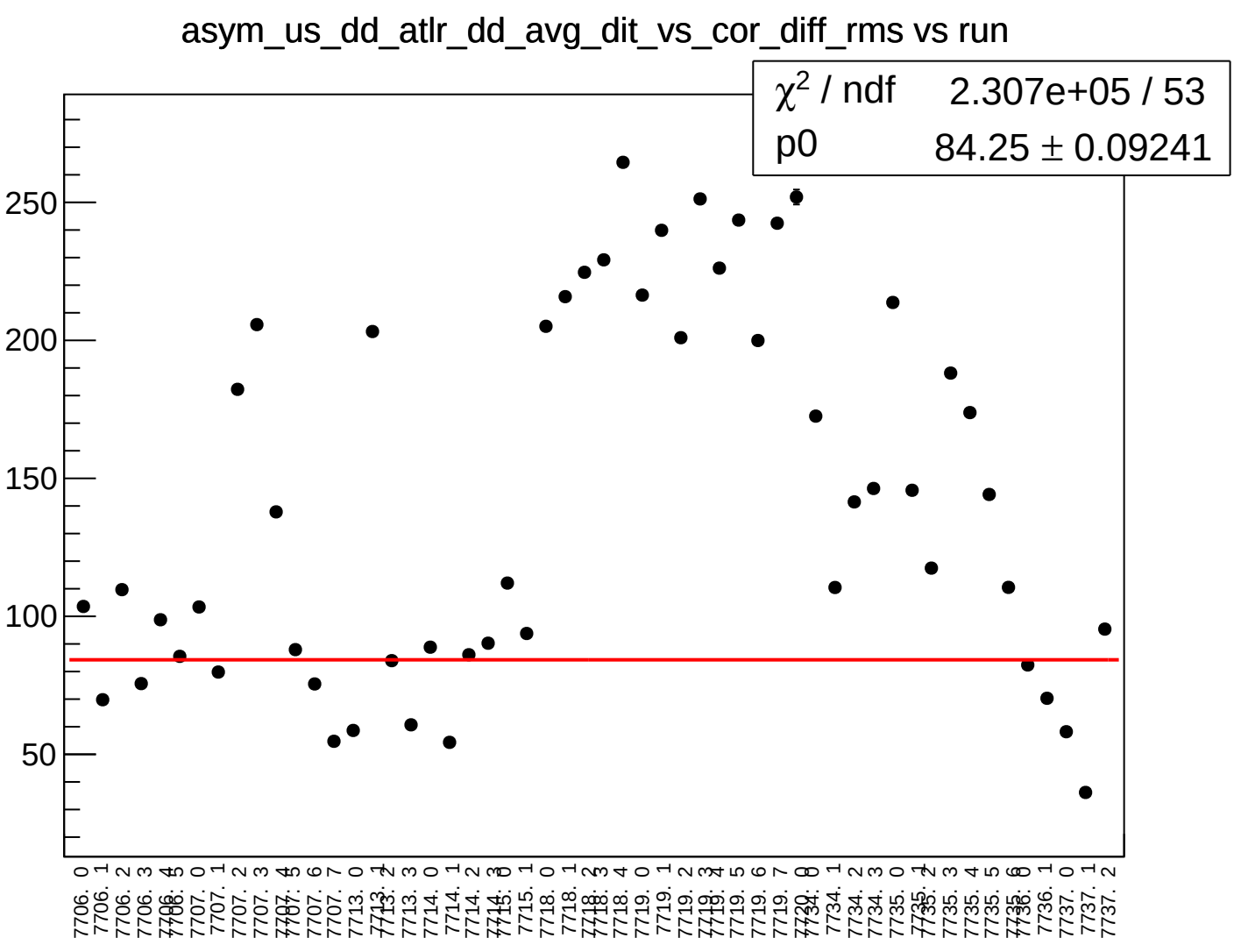

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 9870 / 53
p0 3331 ± 3.247
5000
4500
4000
3500
3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

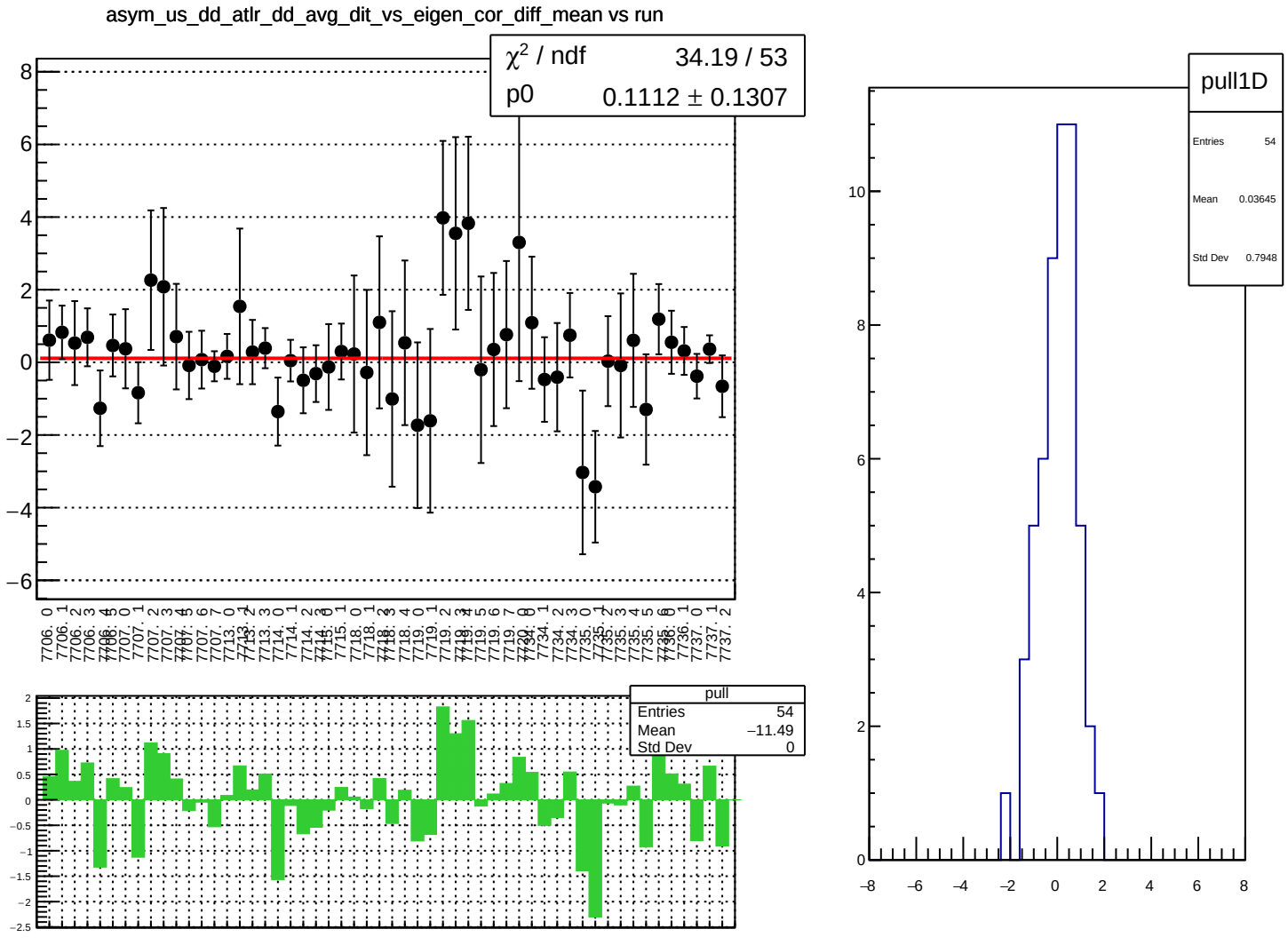

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.43 / 53
p0 −1.02e−13 ± 2.129e−13
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 66.88
Std Dev 0
pull1D
Entries 54
Mean −0.06718
Std Dev 0.9447
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

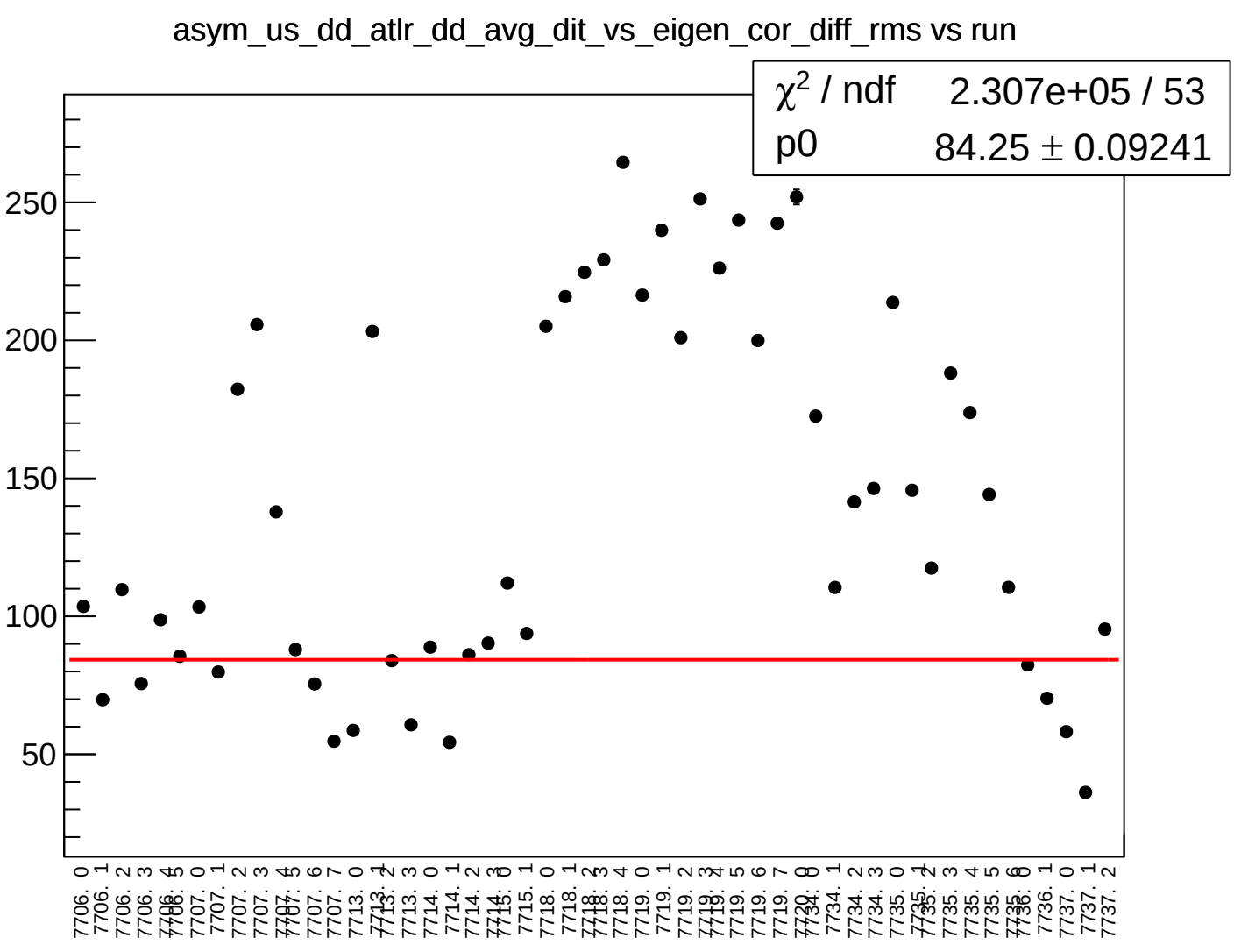

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.984e+05 / 53
p0 7.73e−11 ± 1.506e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

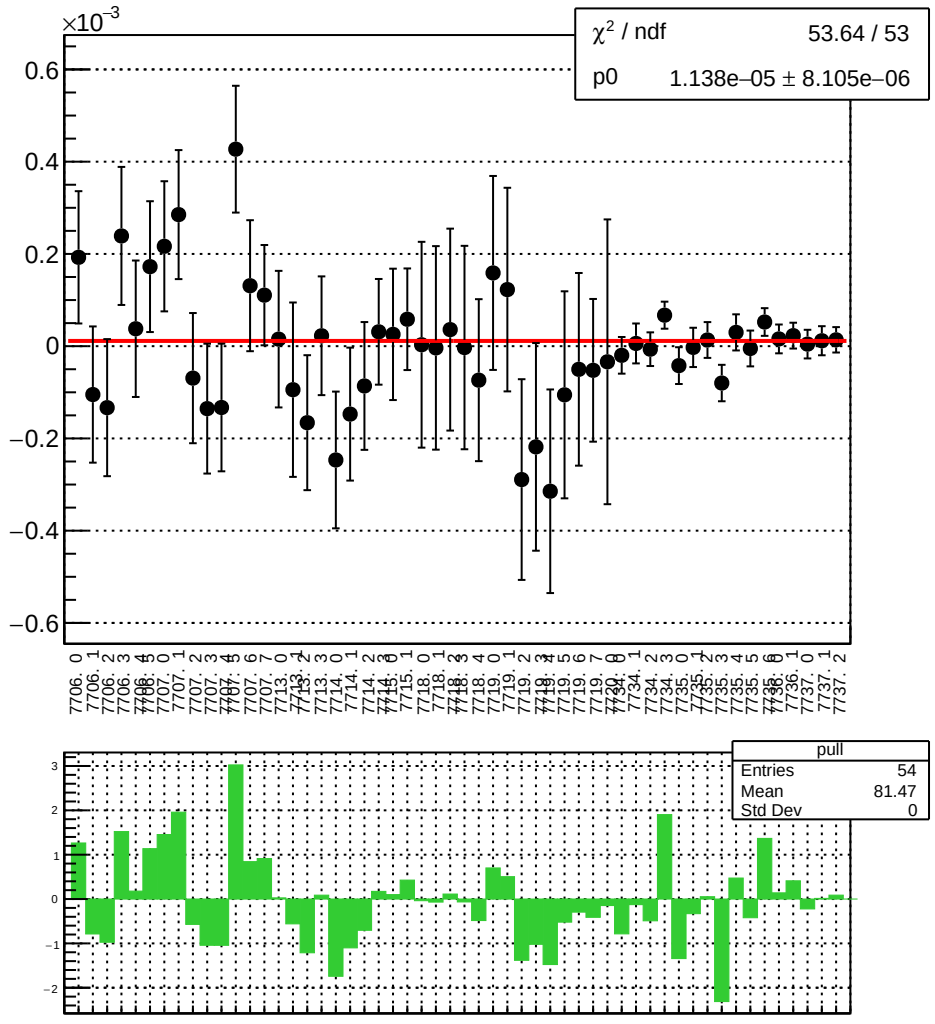

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 34.19 / 53
p0 0.1112 ± 0.1307
pull
Entries 54
Mean −11.49
Std Dev 0

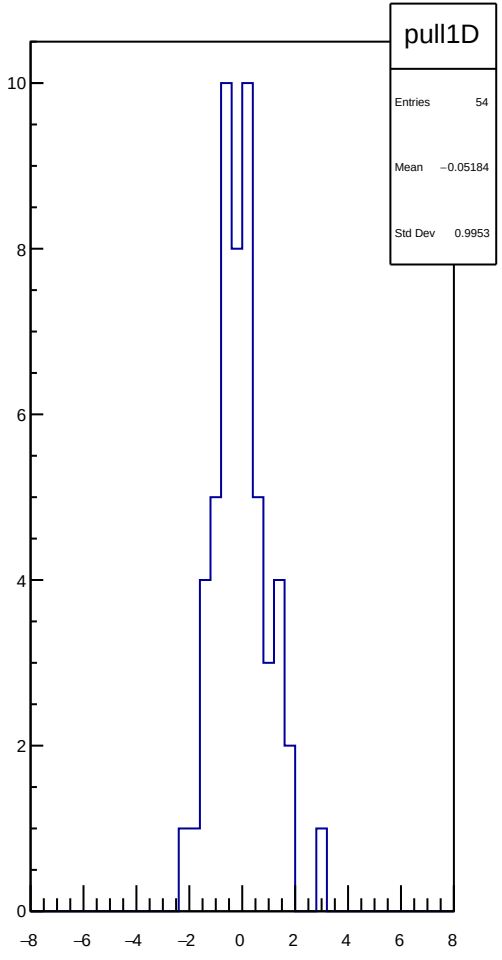

pull1D
Entries 54
Mean 0.03645
Std Dev 0.7948

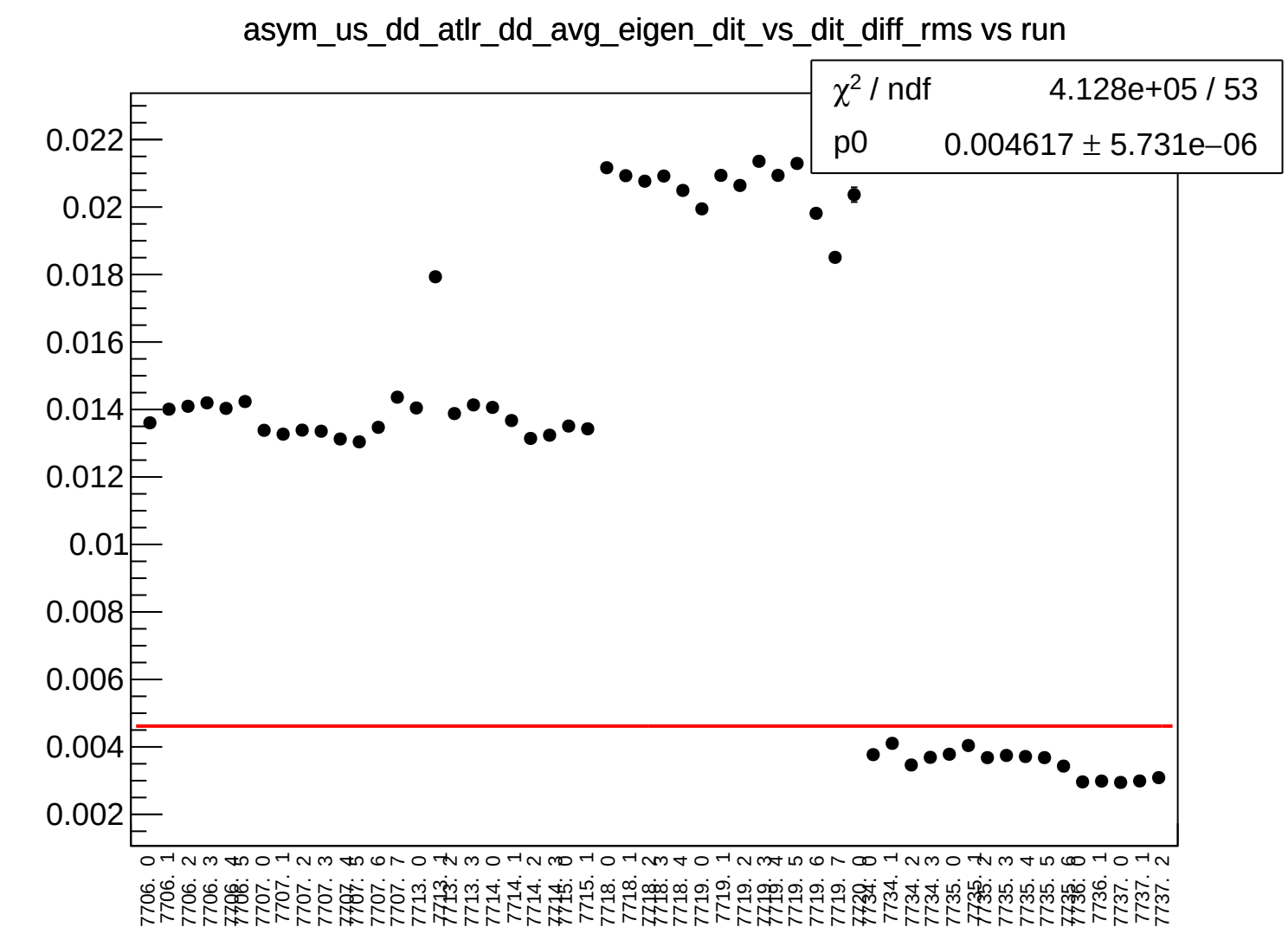

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.307e+05 / 53
p0 84.25 ± 0.09241
250
200
150
100
50


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.19 / 53
p0 0.1112 ± 0.1307
pull
Entries 54
Mean −11.49
Std Dev 0
pull1D
Entries 54
Mean 0.03645
Std Dev 0.7948

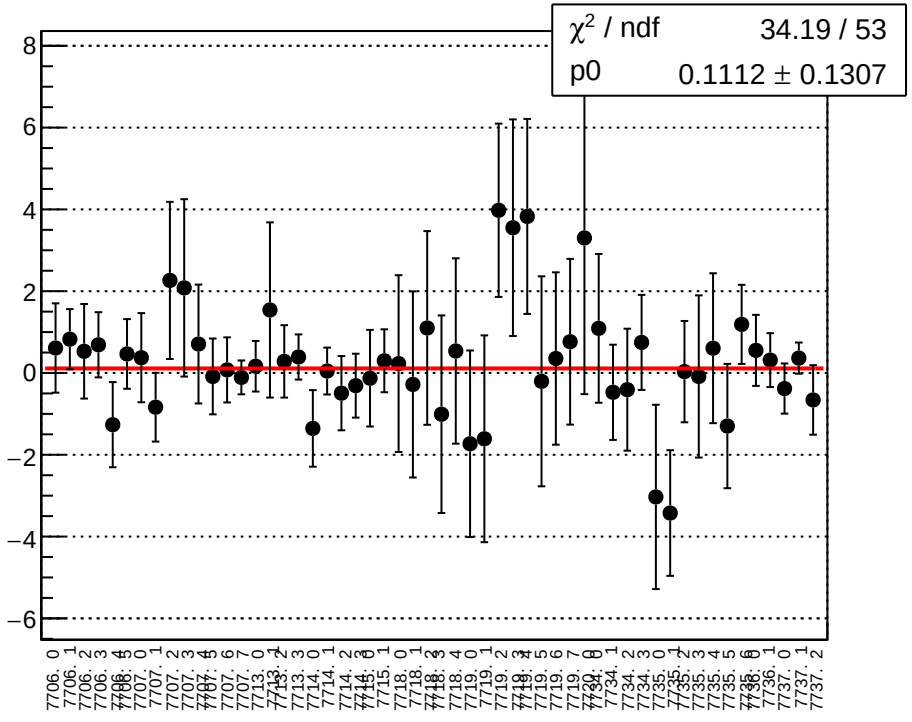

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.307e+05 / 53
p0 84.25 ± 0.09241
250
200
150
100
50

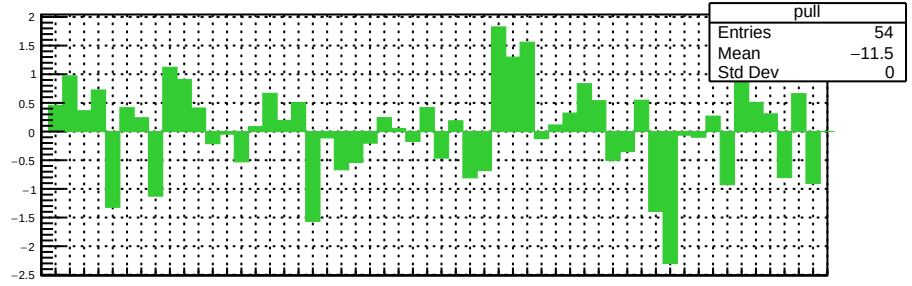

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.64 / 53
p0 1.138e−05 ± 8.105e−06
pull
Entries 54
Mean 81.47
Std Dev 0

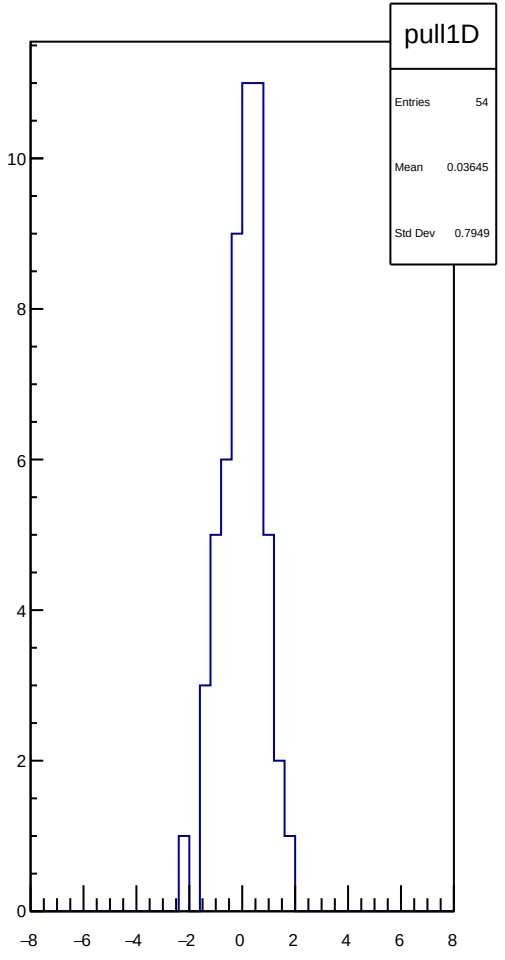

pull1D
Entries 54
Mean −0.05184
Std Dev 0.9953

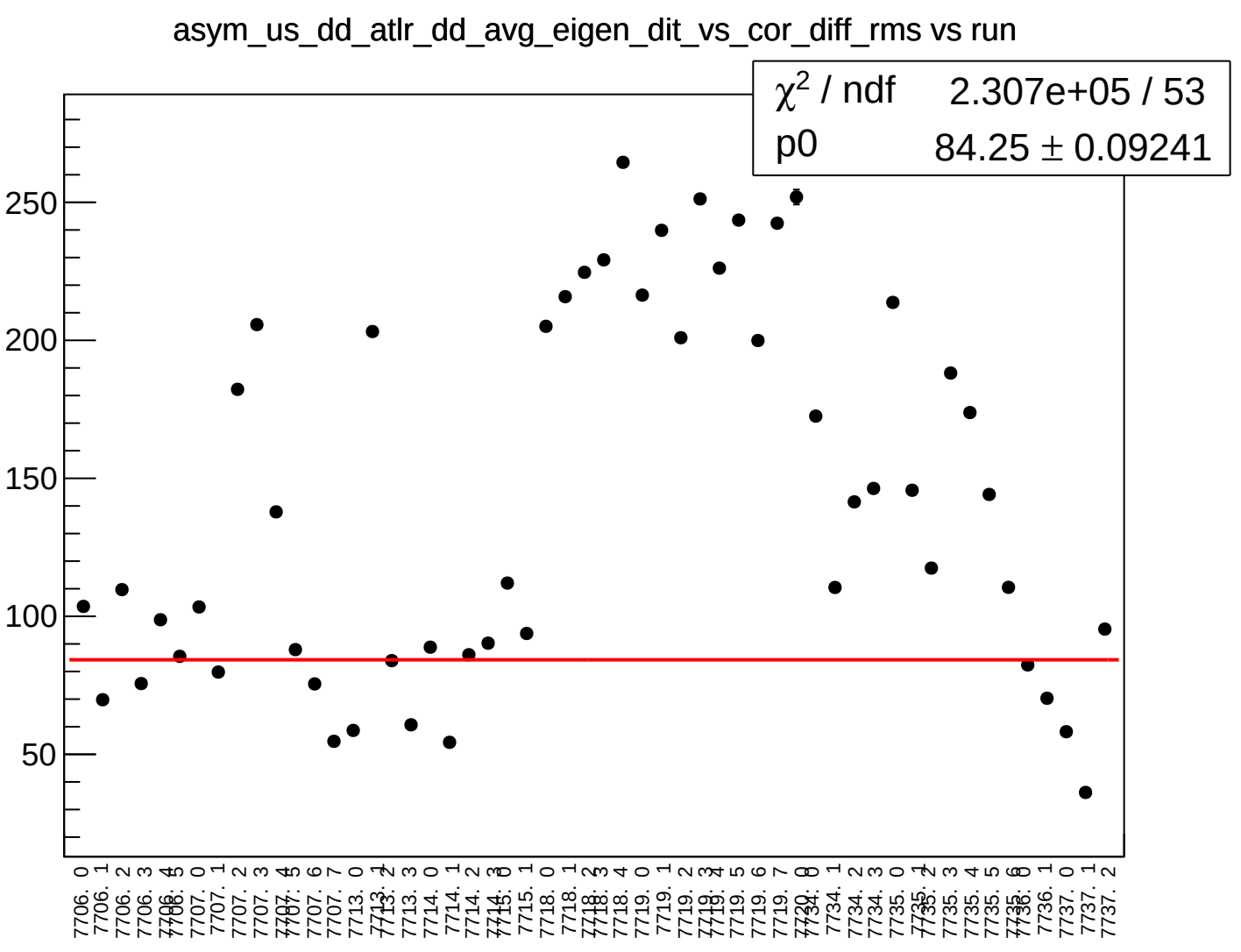

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.128e+05 / 53
p0 0.004617 ± 5.731e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

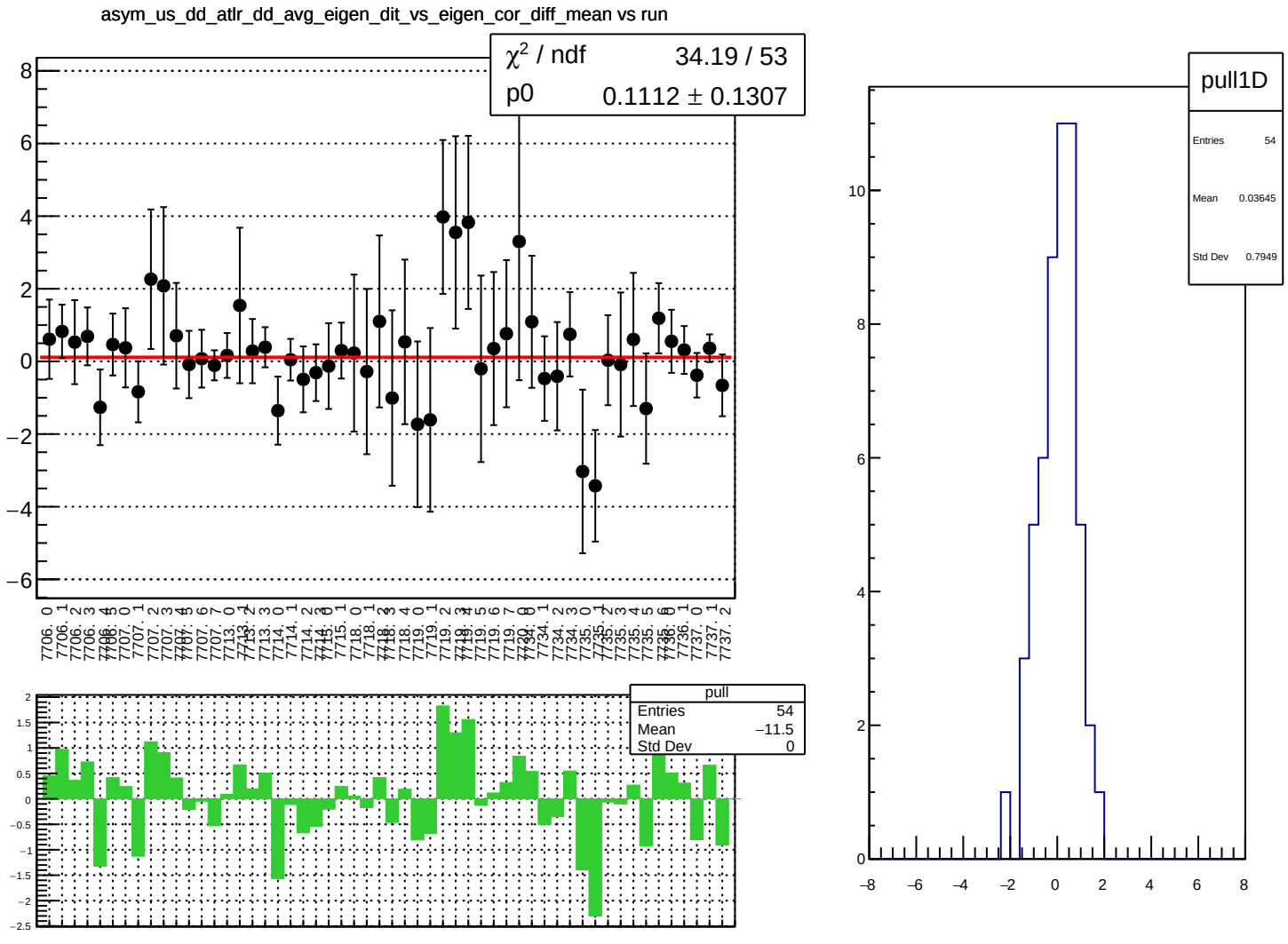
asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run

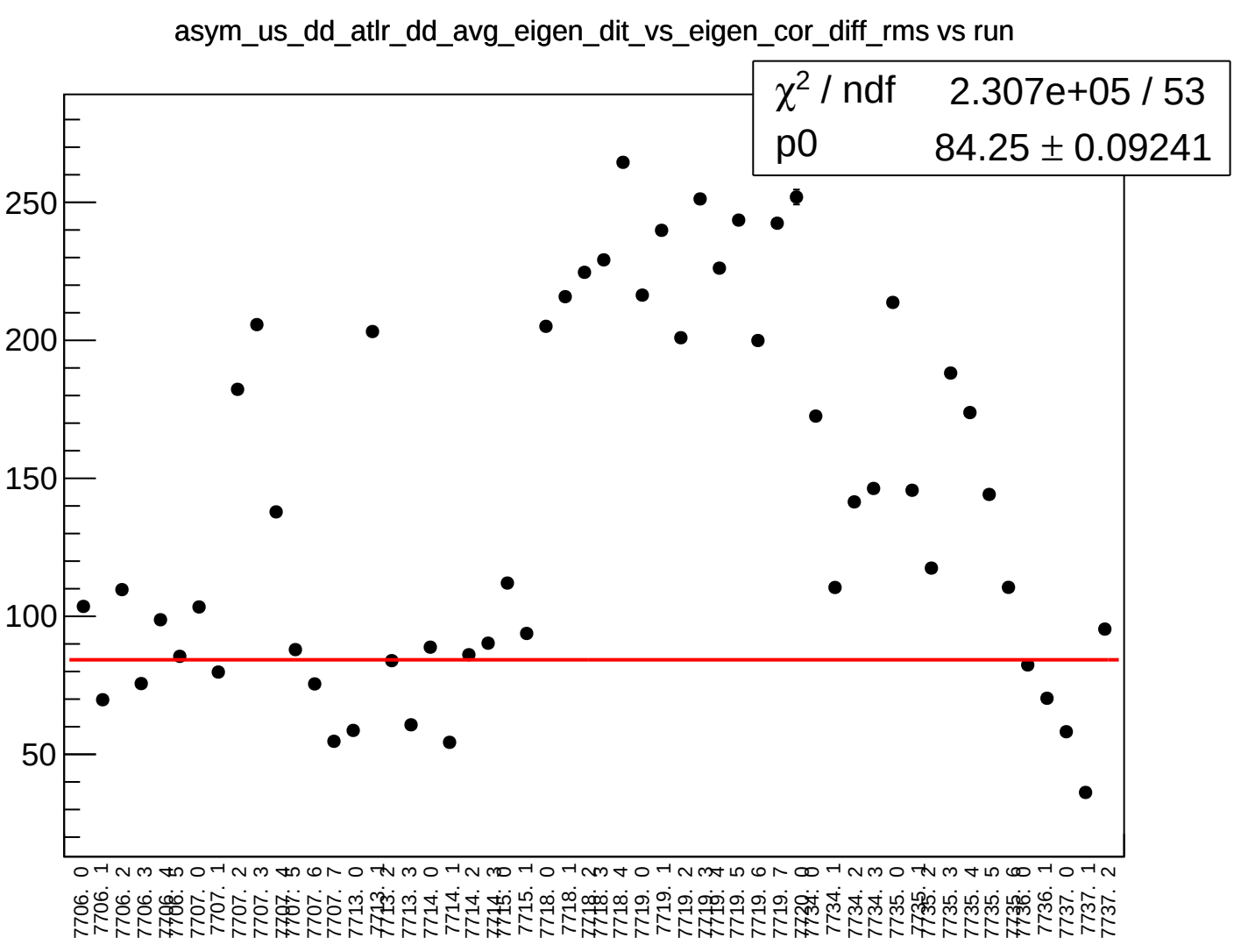


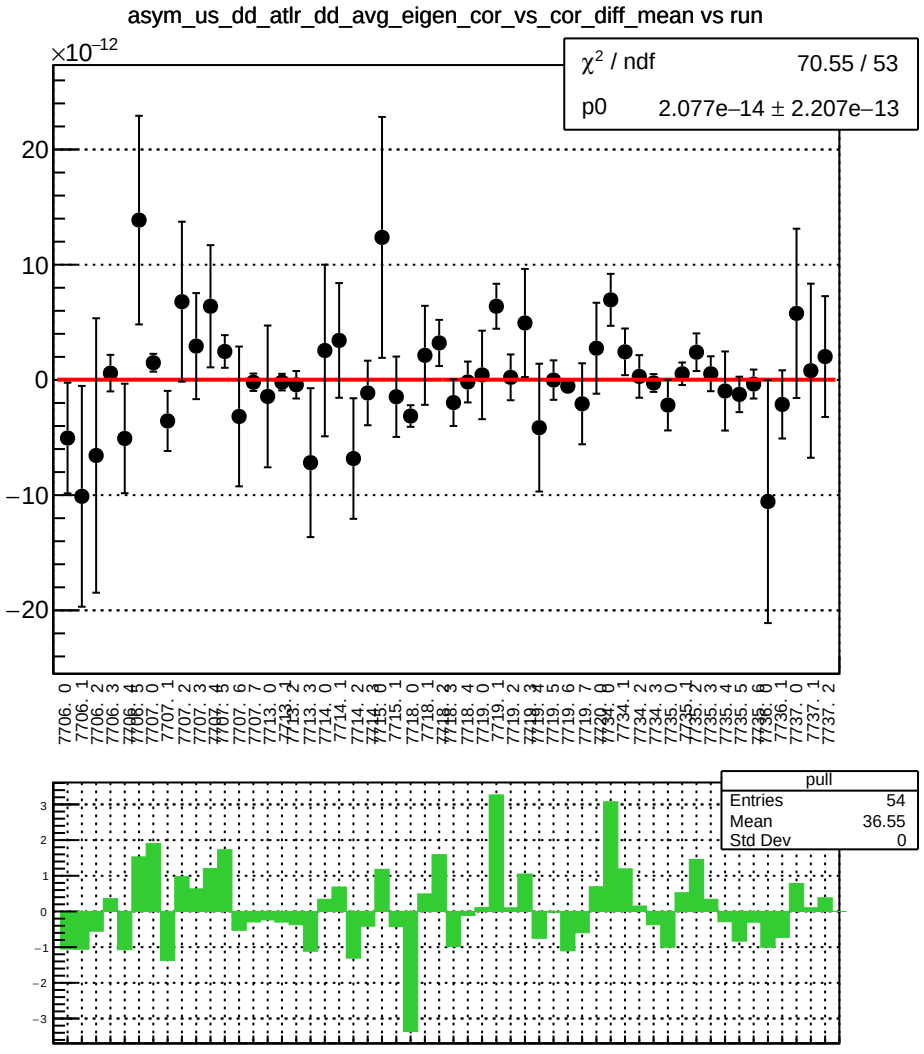


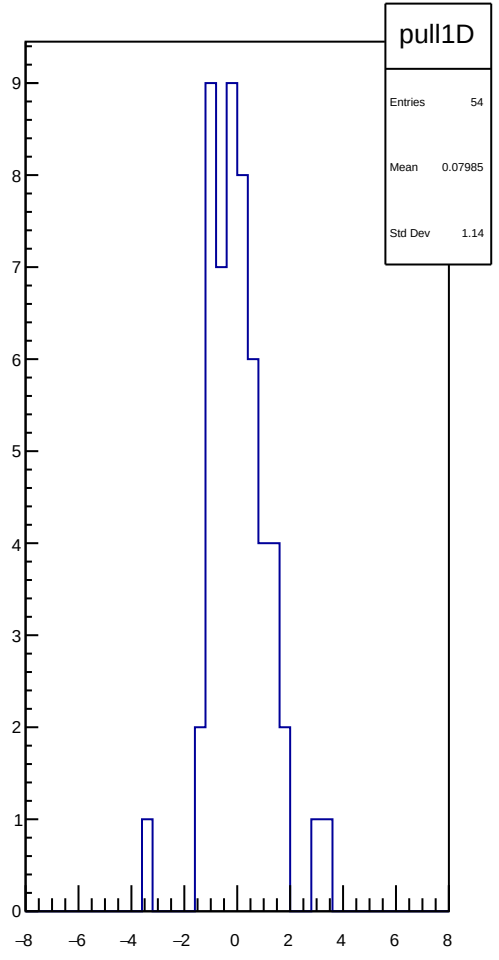


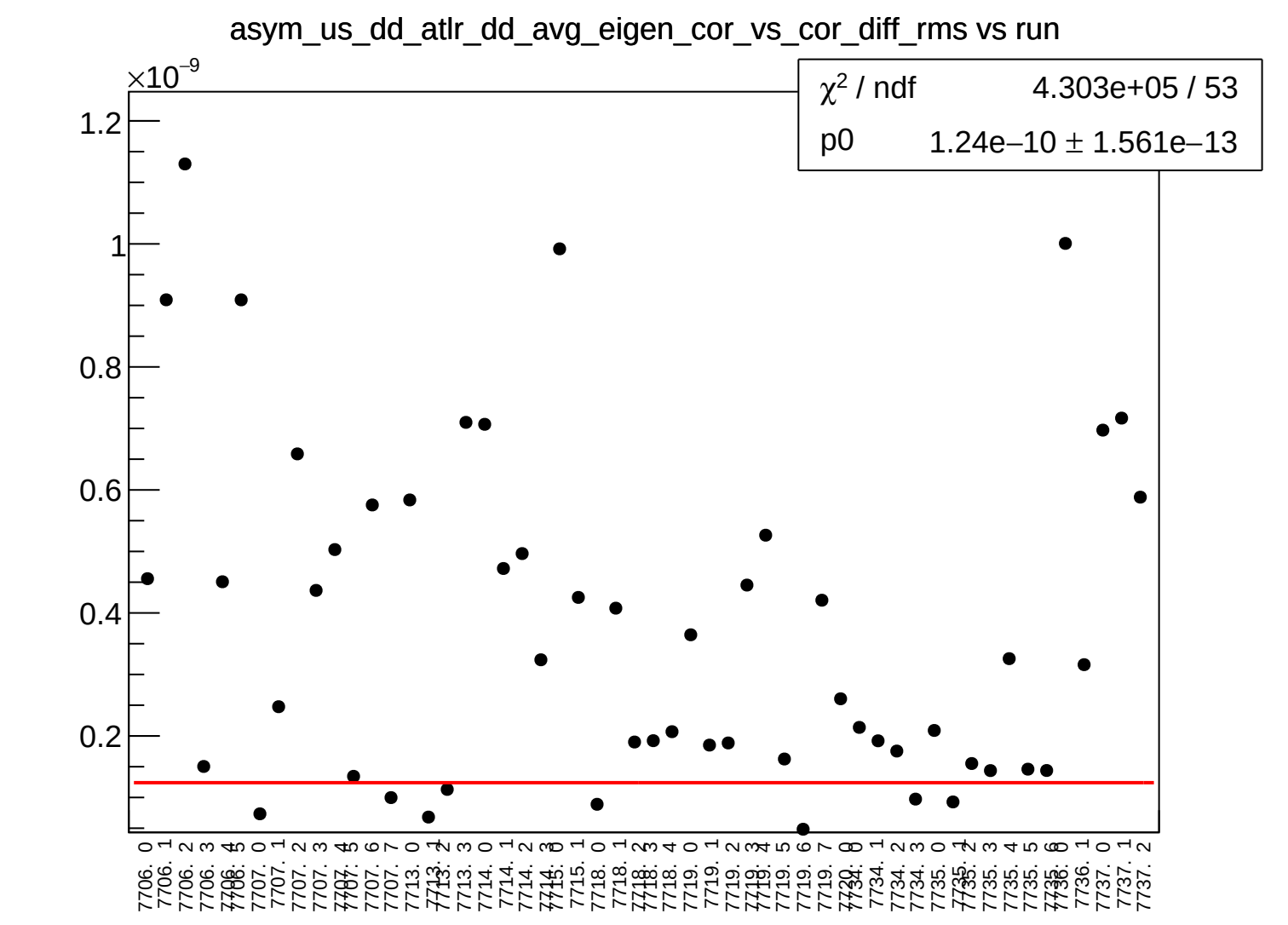

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.307e+05 / 53
p0 84.25 ± 0.09241
250
200
150
100
50

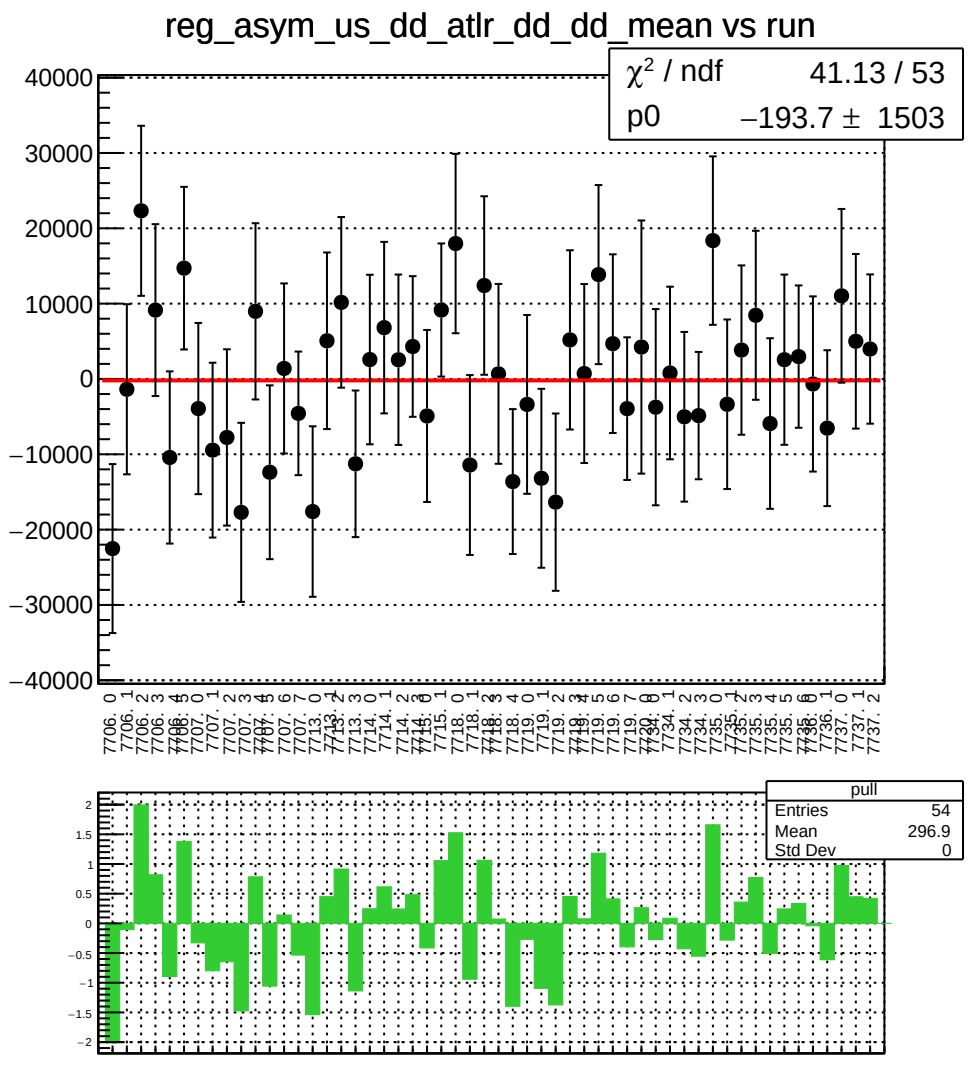

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.19 / 53
p0 0.1112 ± 0.1307
pull
Entries 54
Mean −11.5
Std Dev 0
pull1D
Entries 54
Mean 0.03645
Std Dev 0.7949

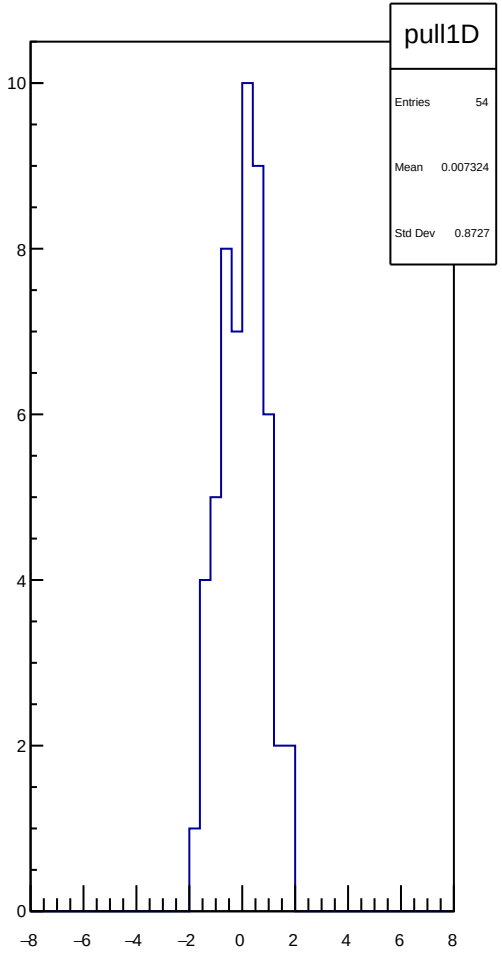

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.307e+05 / 53
p0 84.25 ± 0.09241
250
200
150
100
50

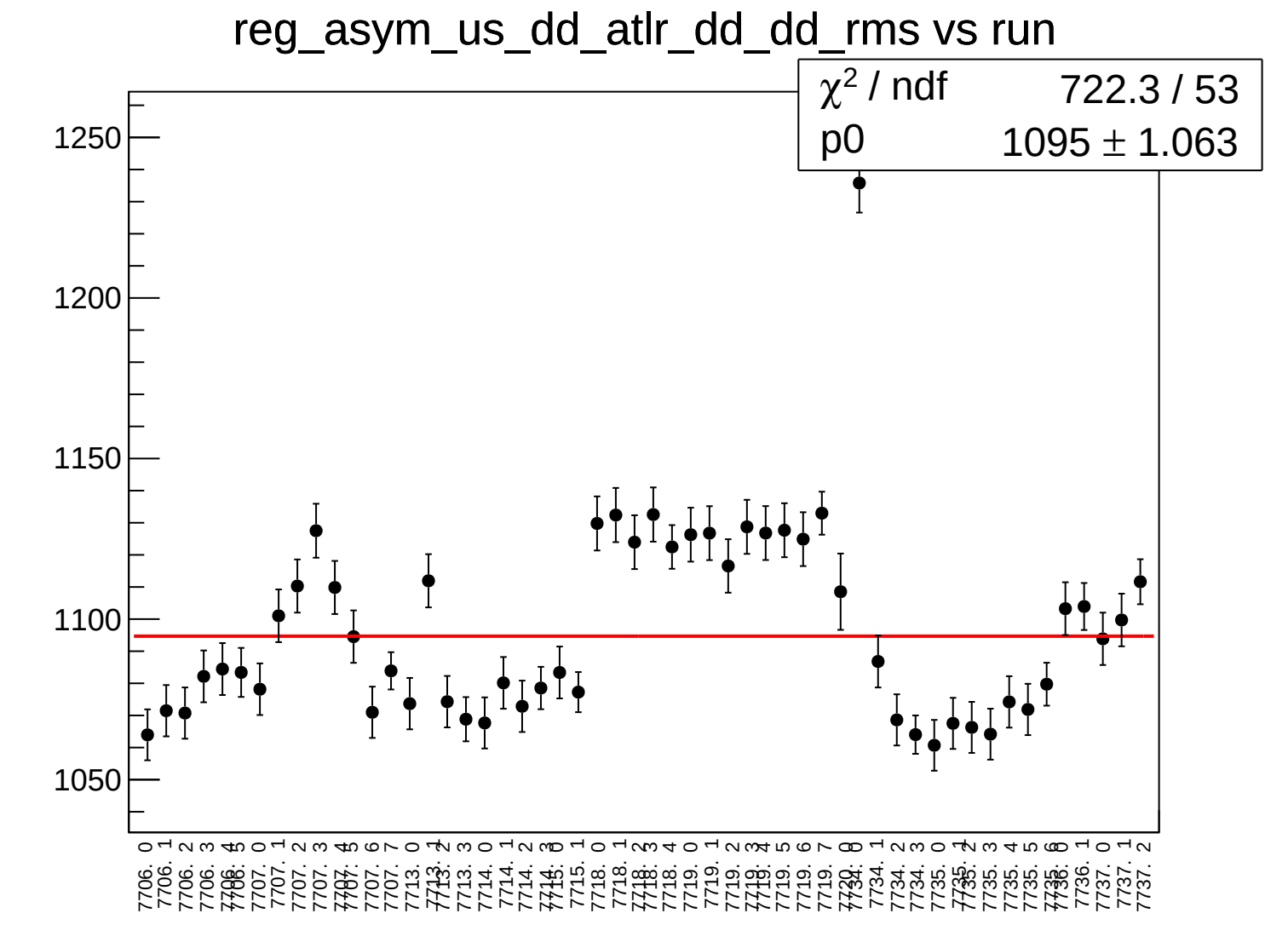

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.55 / 53
p0 2.077e−14 ± 2.207e−13
pull
Entries 54
Mean 36.55
Std Dev 0

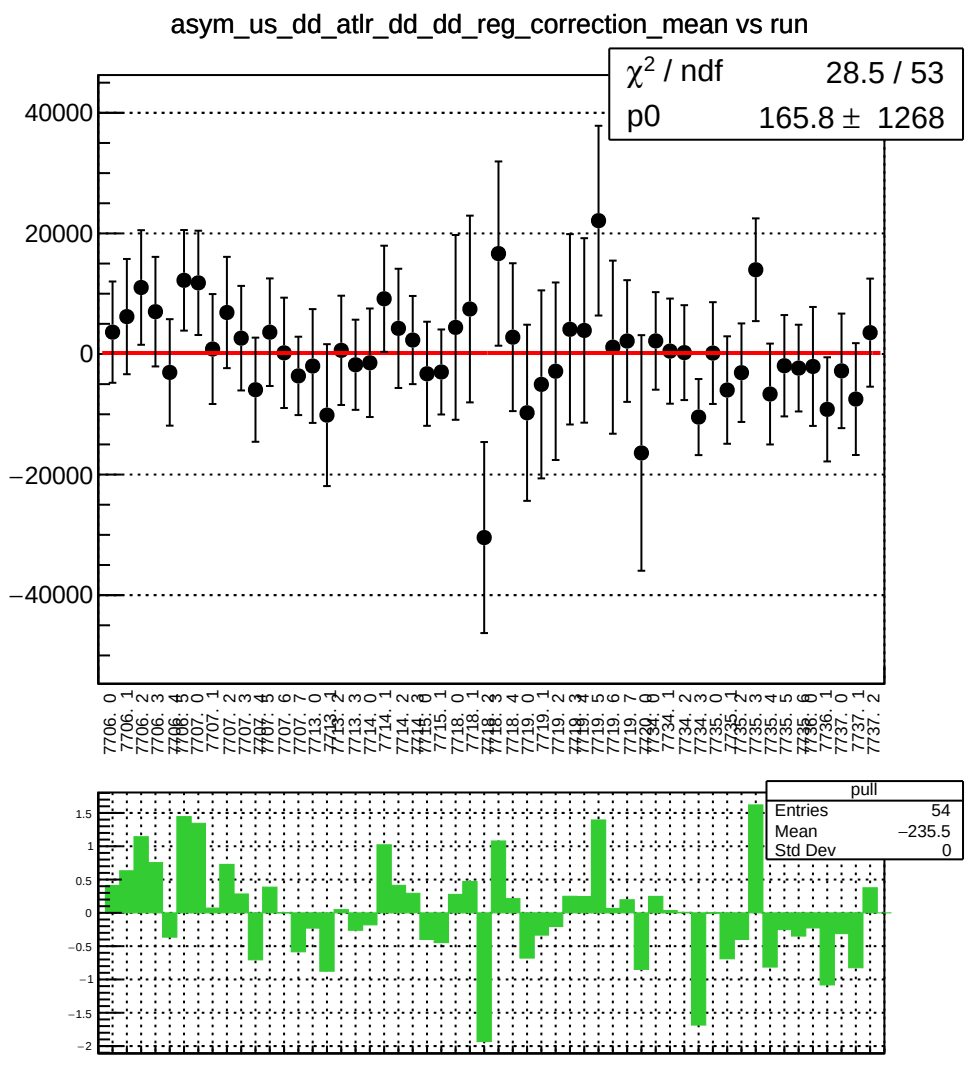

pull1D
Entries 54
Mean 0.07985
Std Dev 1.14

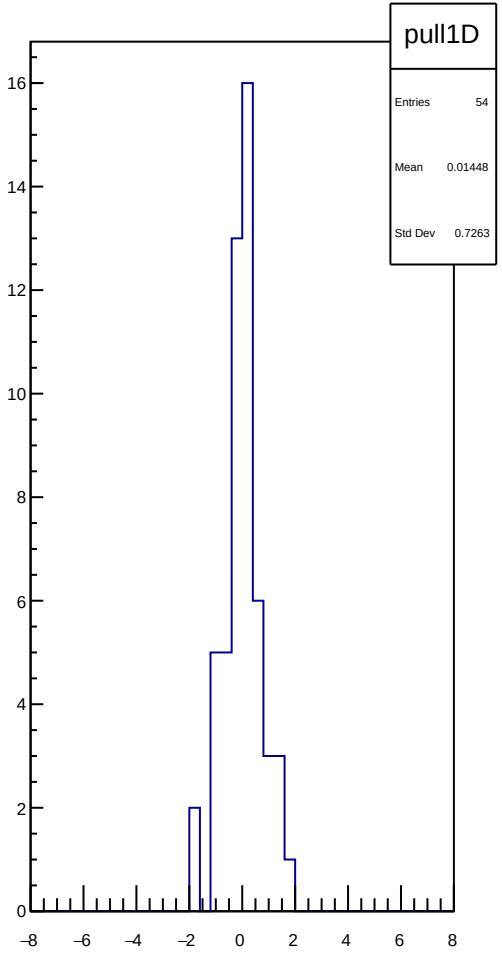

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.303e+05 / 53
p0 1.24e−10 ± 1.561e−13
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

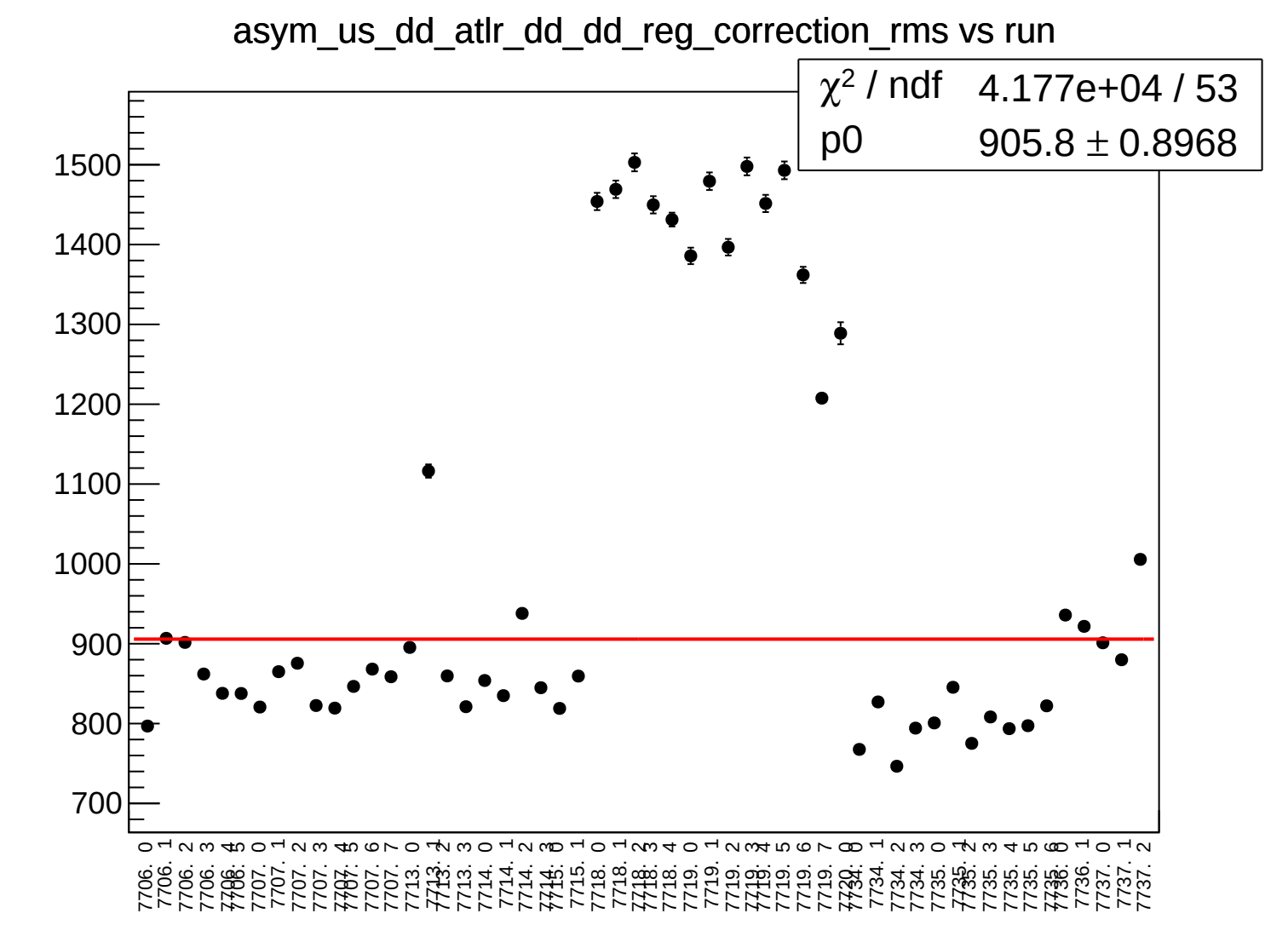

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 41.13 / 53
p0 −193.7 ± 1503
pull
Entries 54
Mean 296.9
Std Dev 0

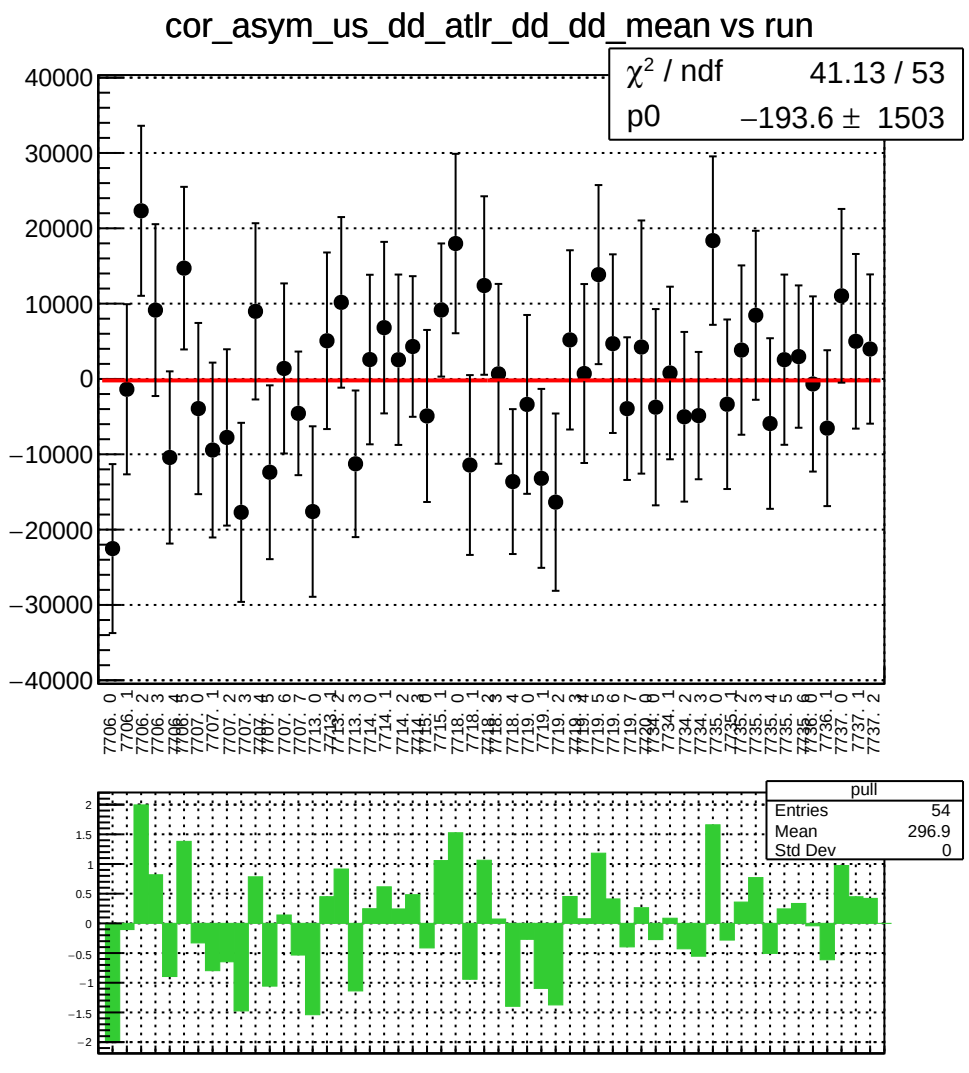

pull1D
Entries 54
Mean 0.007324
Std Dev 0.8727

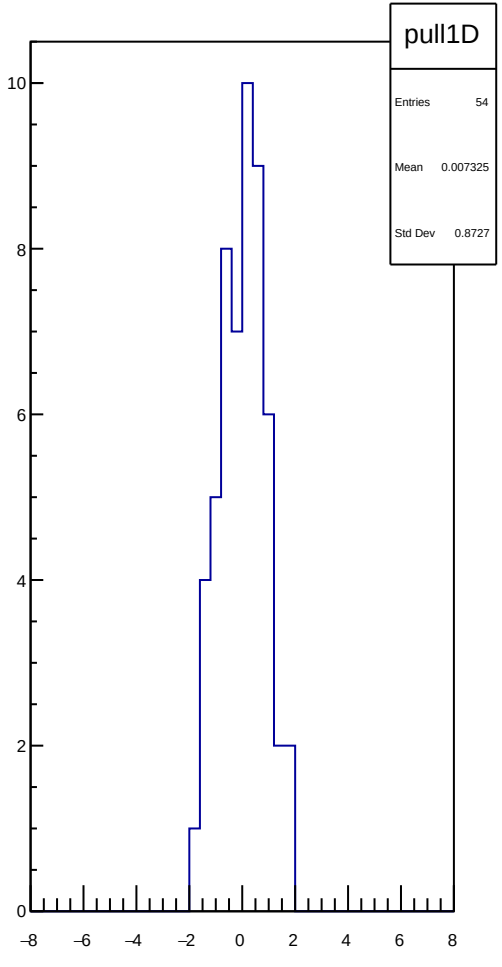

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 722.3 / 53
p0 1095 ± 1.063
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

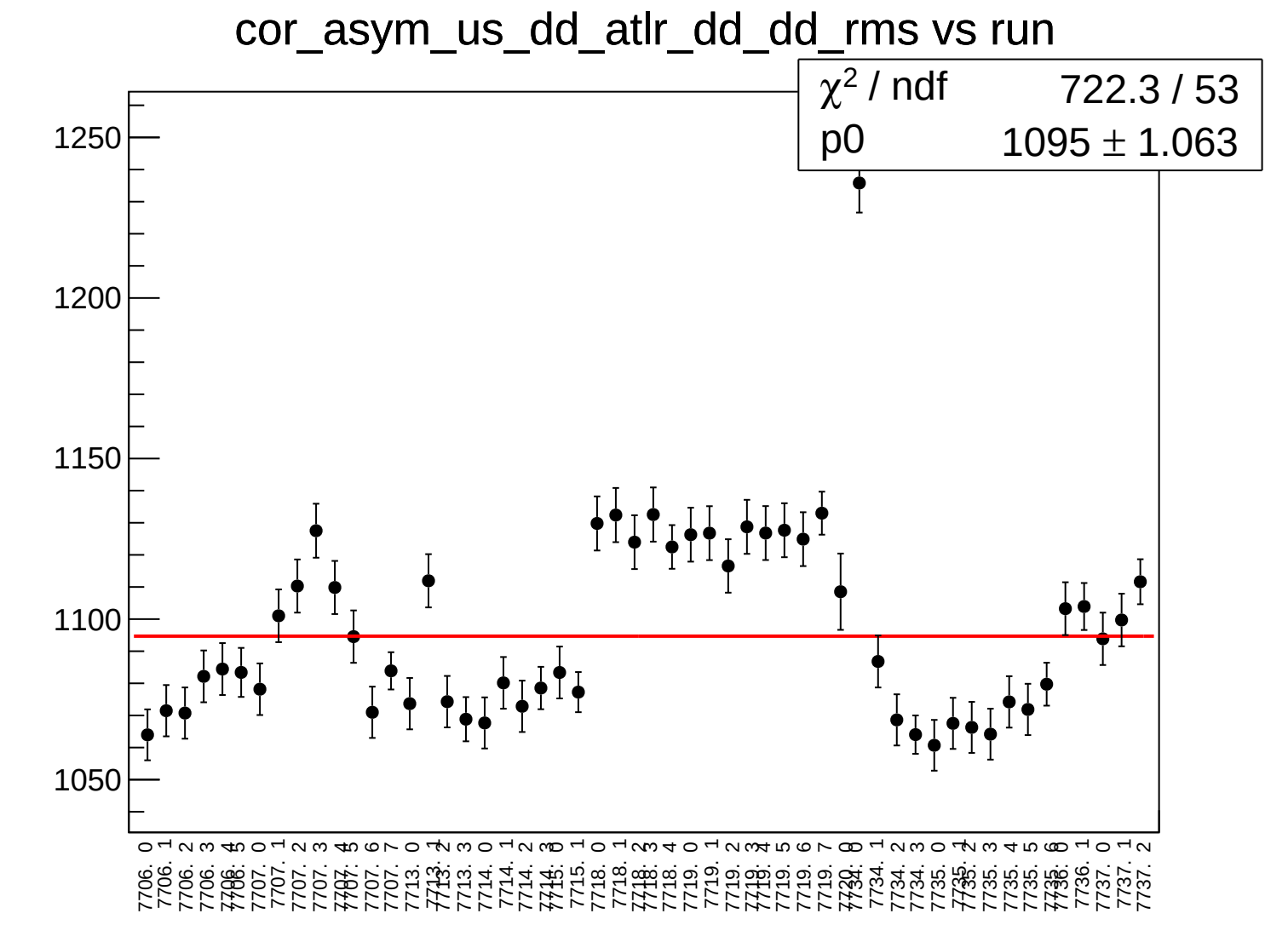

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 28.5 / 53
p0 165.8 ± 1268
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −235.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

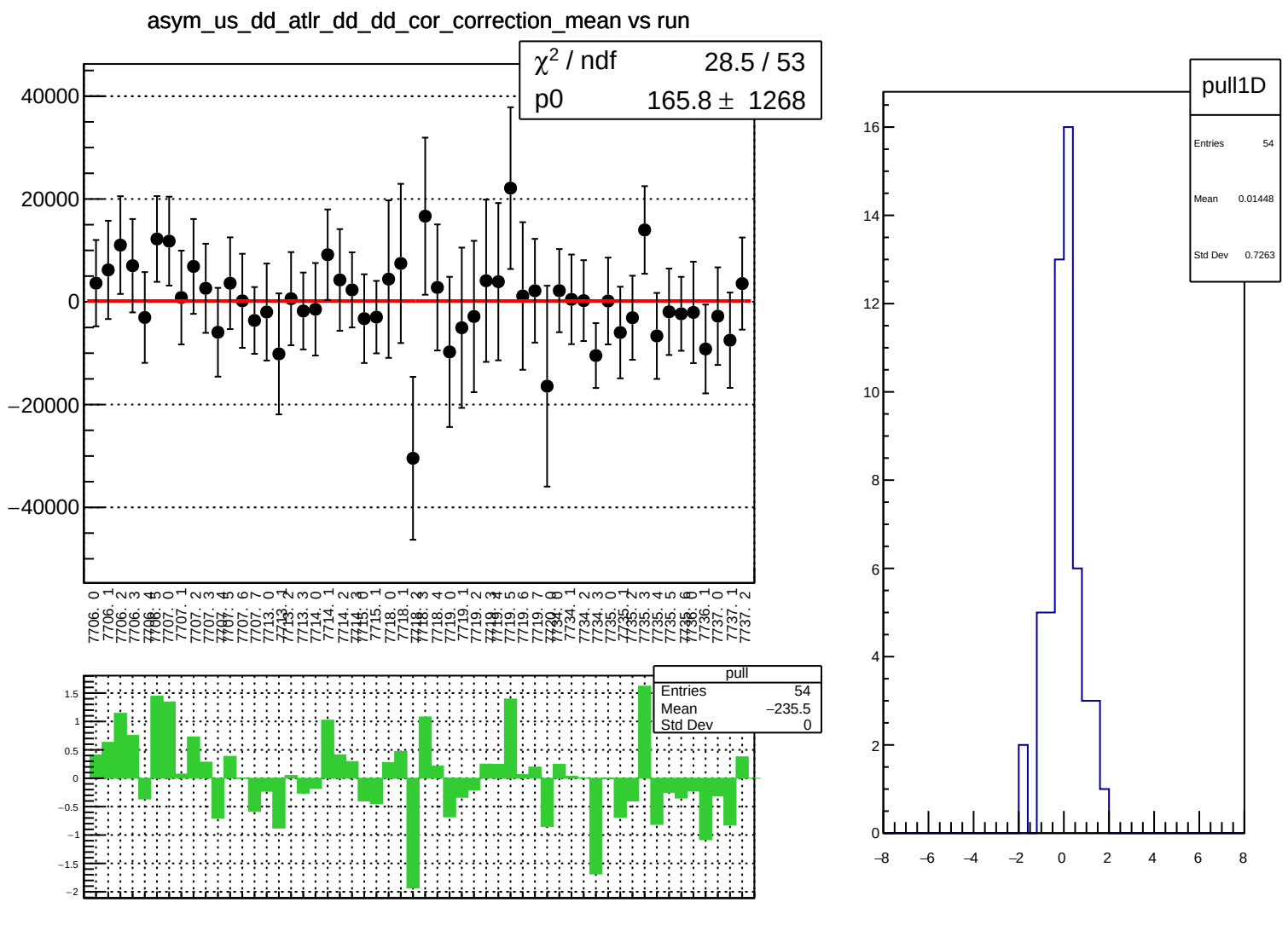

pull1D
Entries 54
Mean 0.01448
Std Dev 0.7263
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

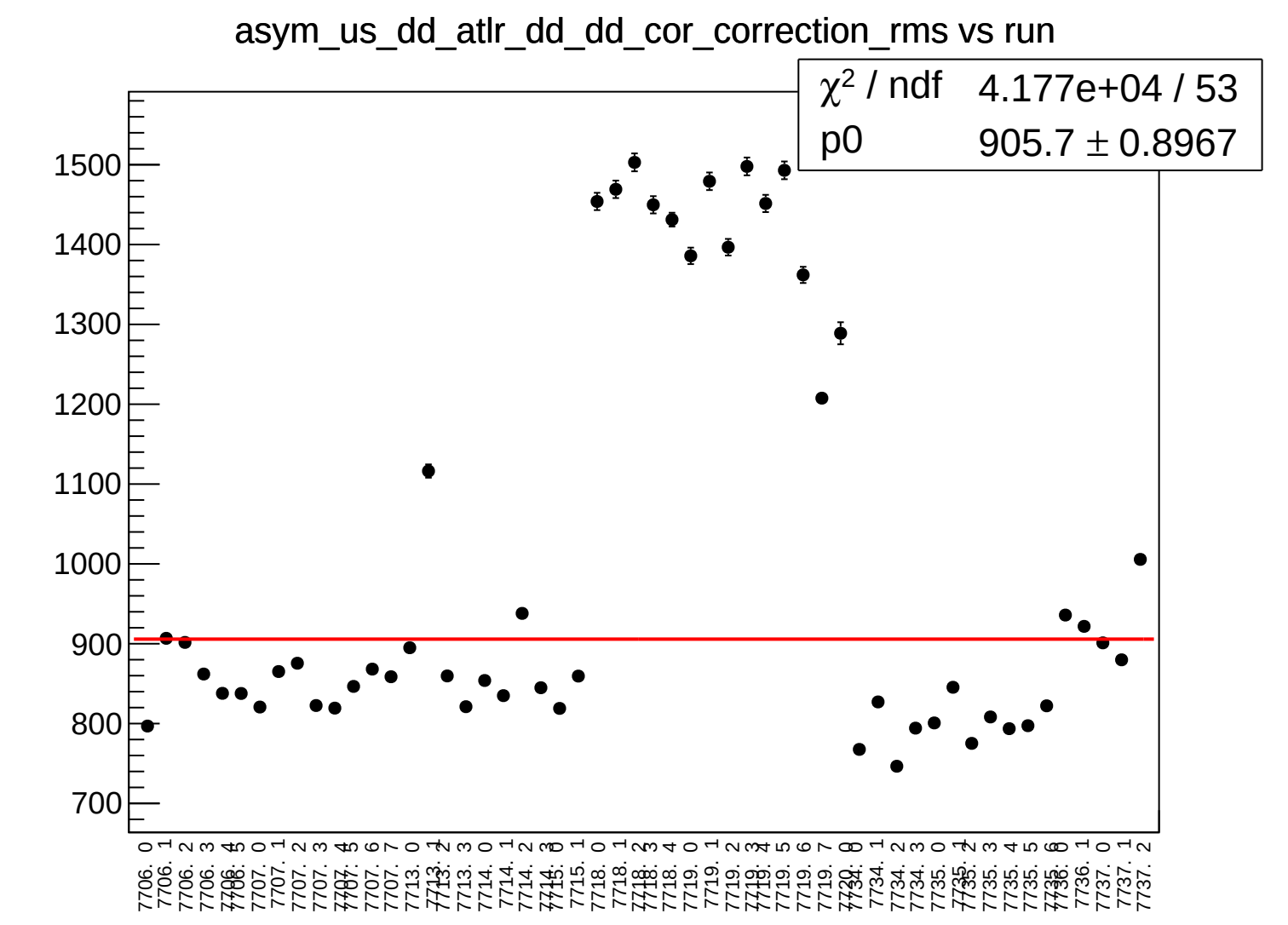

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 4.177e+04 / 53
p0 905.8 ± 0.8968
1500
1400
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

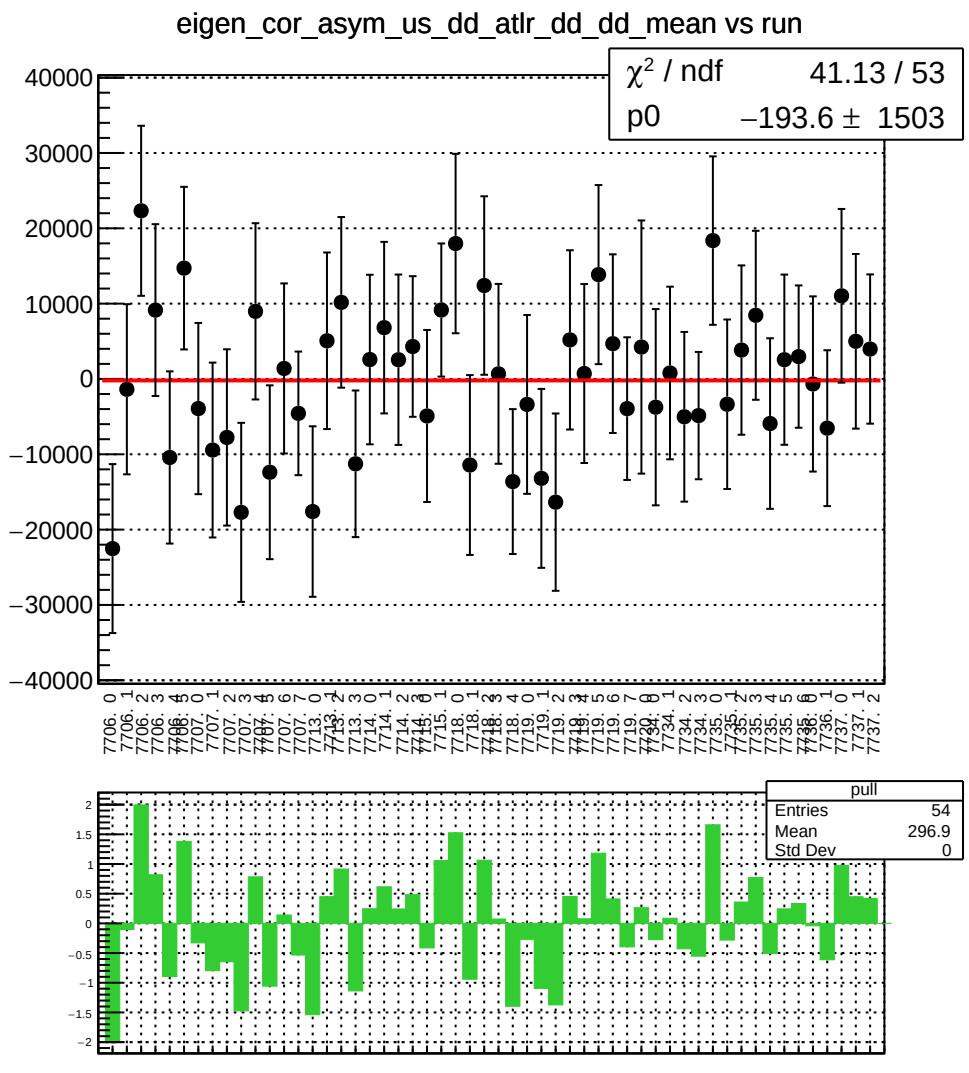

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 41.13 / 53
p0 −193.6 ± 1503
pull
Entries 54
Mean 296.9
Std Dev 0

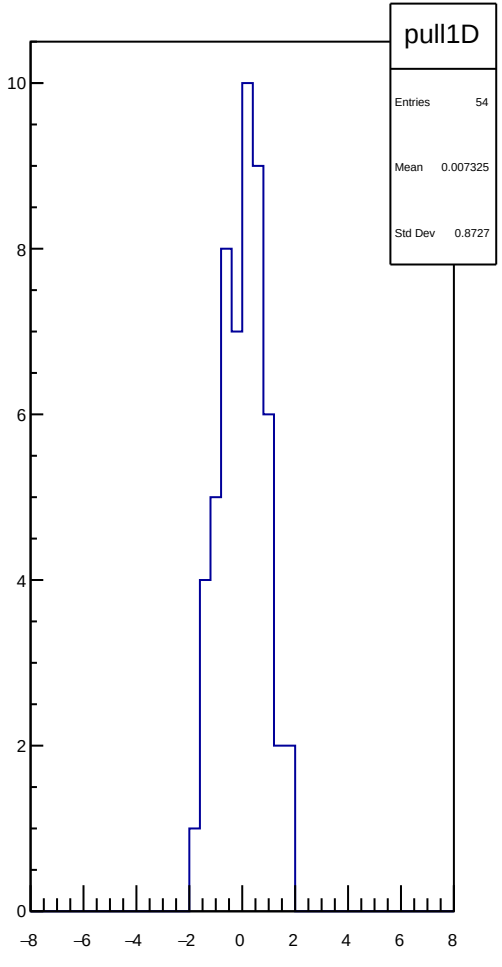

pull1D
Entries 54
Mean 0.007325
Std Dev 0.8727

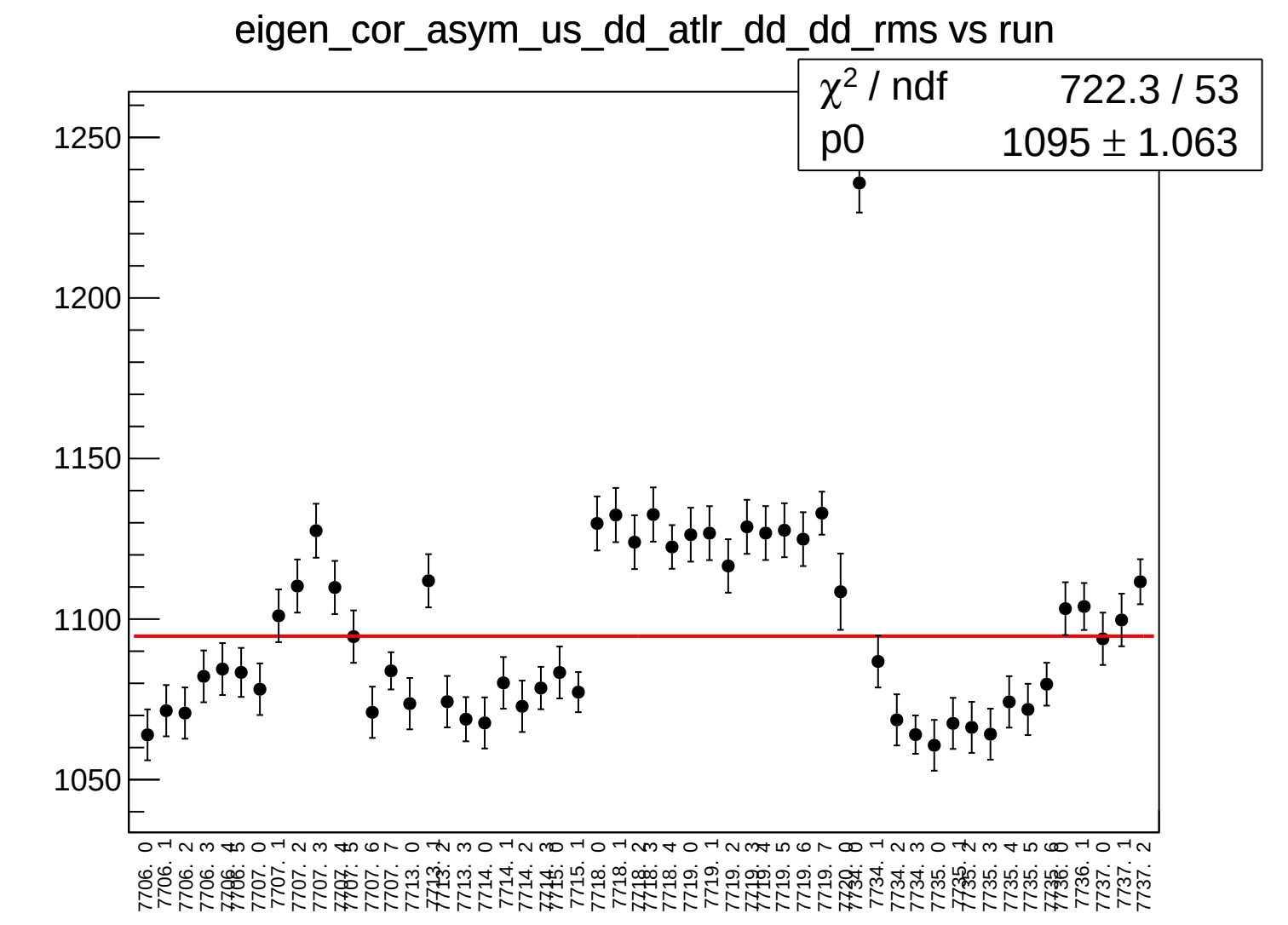

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 722.3 / 53
p0 1095 ± 1.063
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

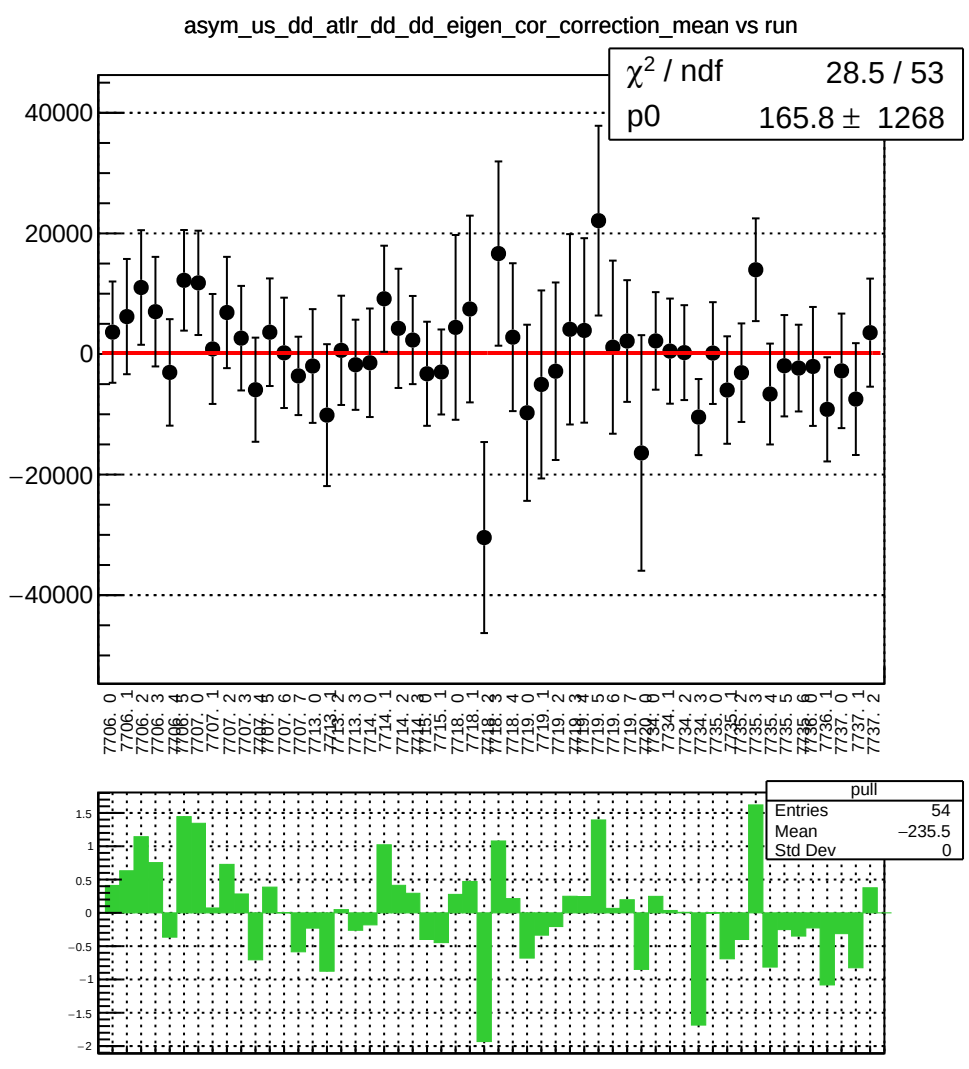

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 28.5 / 53
p0 165.8 ± 1268
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −235.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.01448
Std Dev 0.7263
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

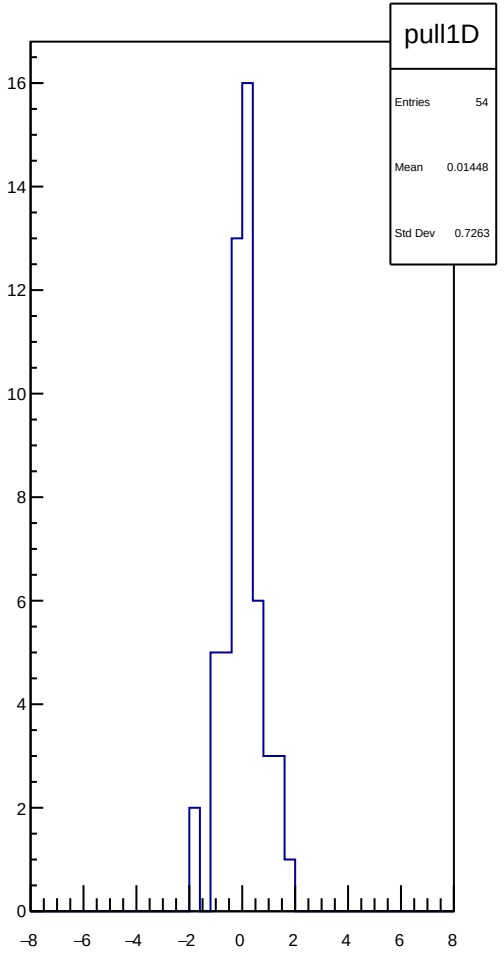

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 4.177e+04 / 53
p0 905.7 ± 0.8967
1500
1400
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

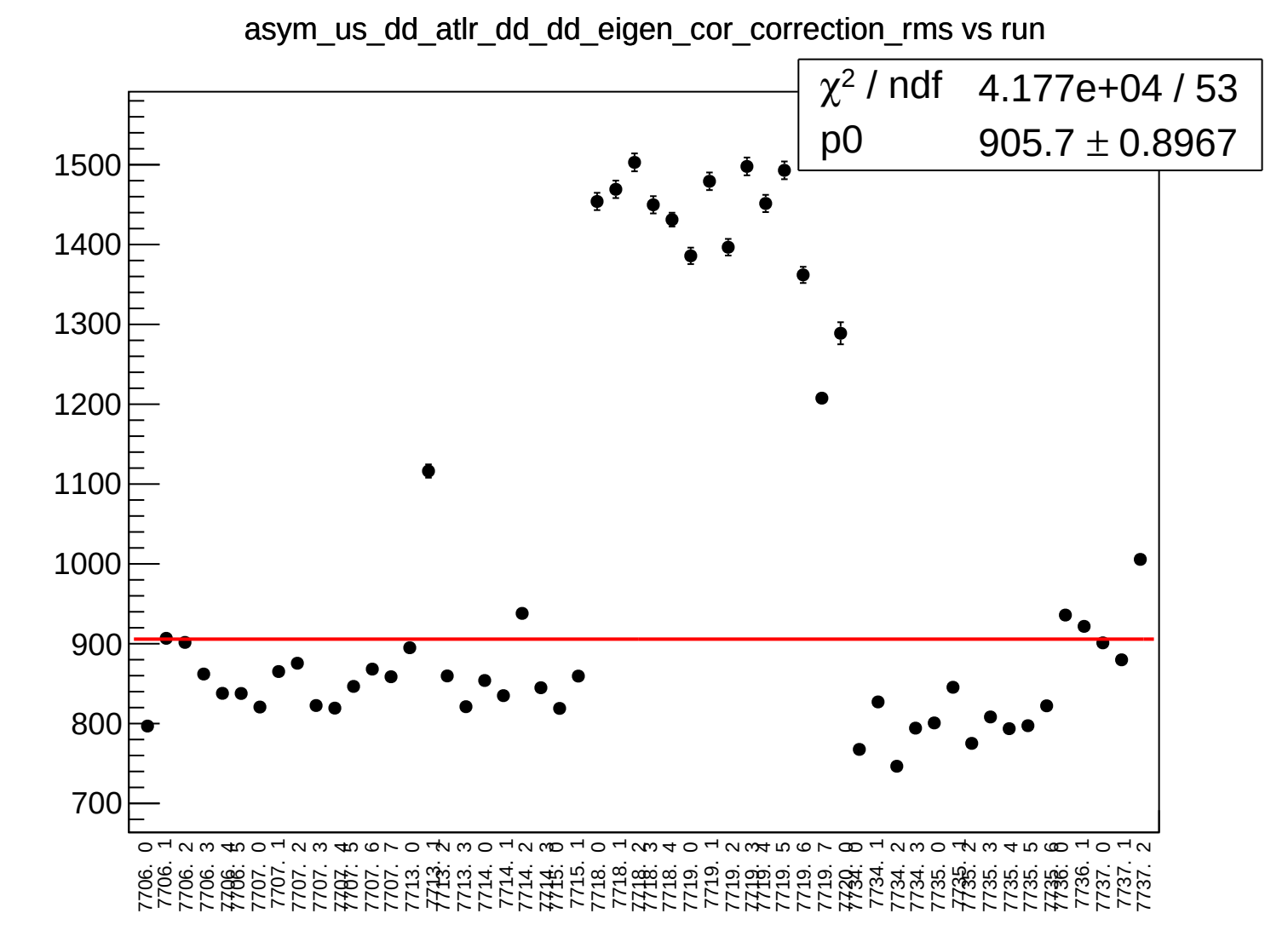

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 41.13 / 53
p0 −193.6 ± 1503
pull
Entries 54
Mean 296.9
Std Dev 0

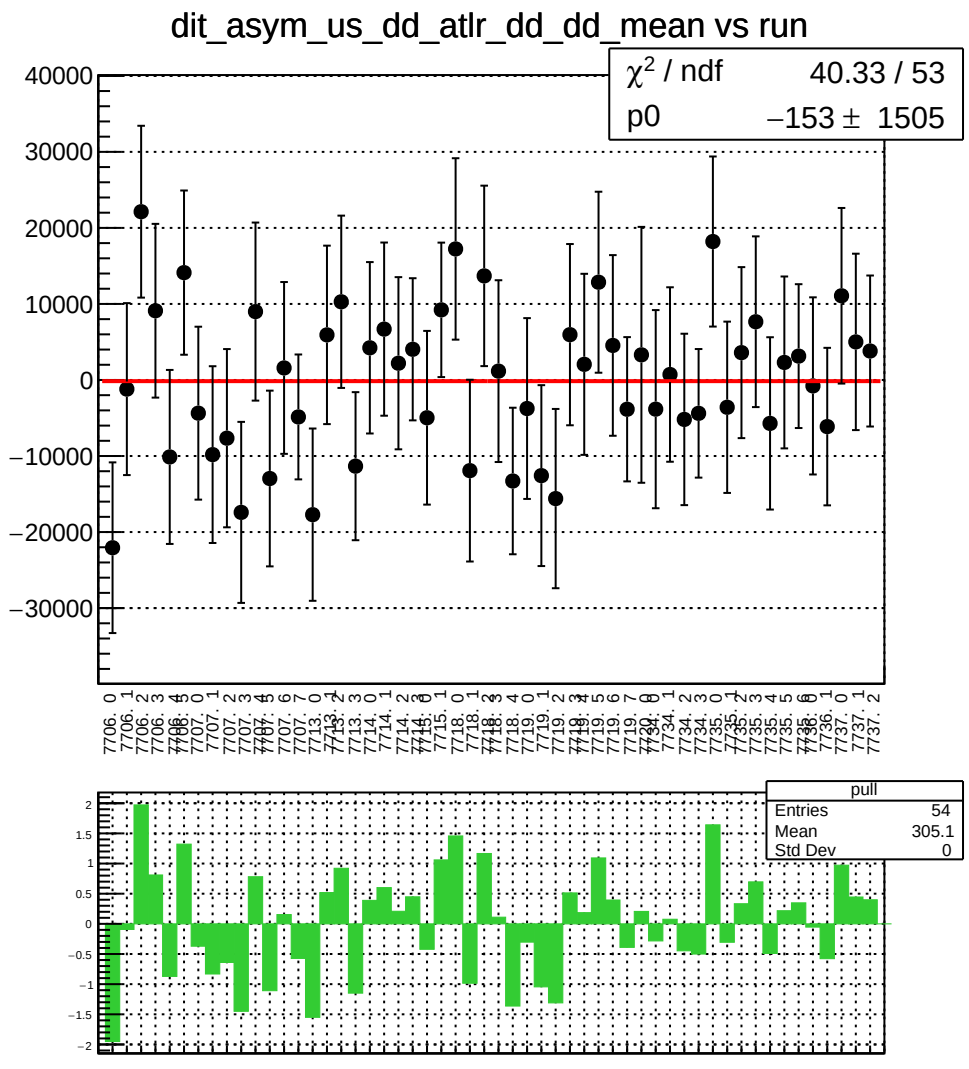

pull1D
Entries 54
Mean 0.007325
Std Dev 0.8727

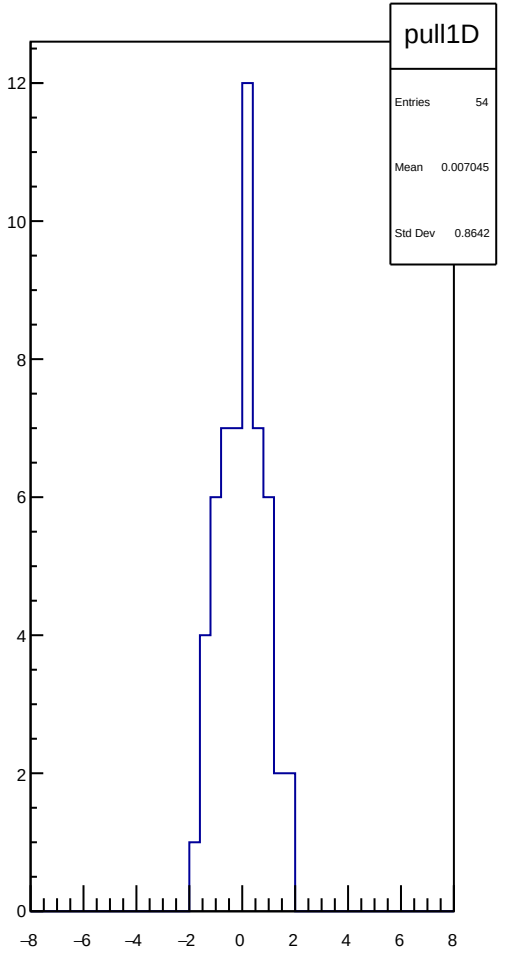

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 722.3 / 53
p0 1095 ± 1.063
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

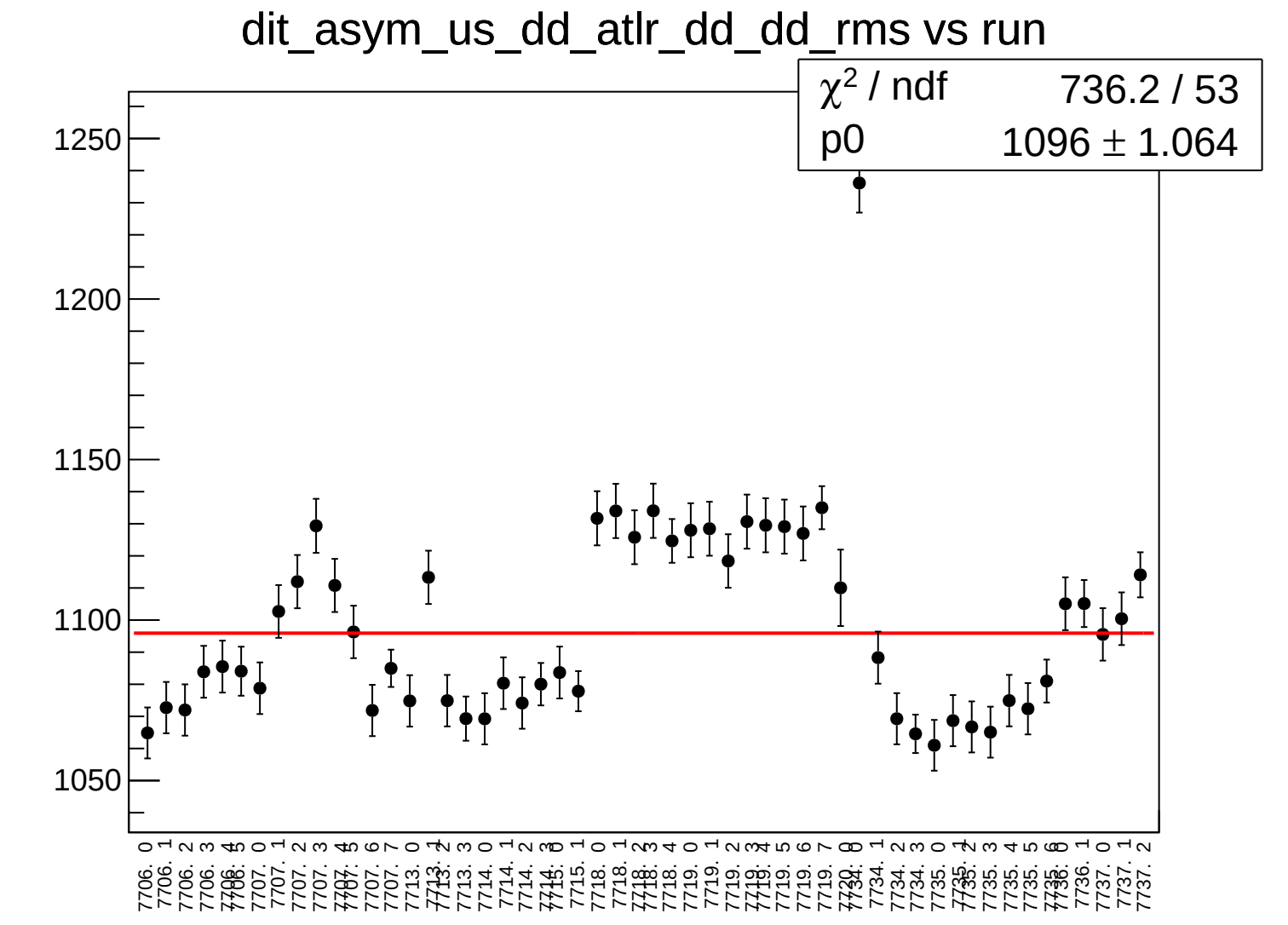

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.5 / 53
p0 165.8 ± 1268
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −235.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

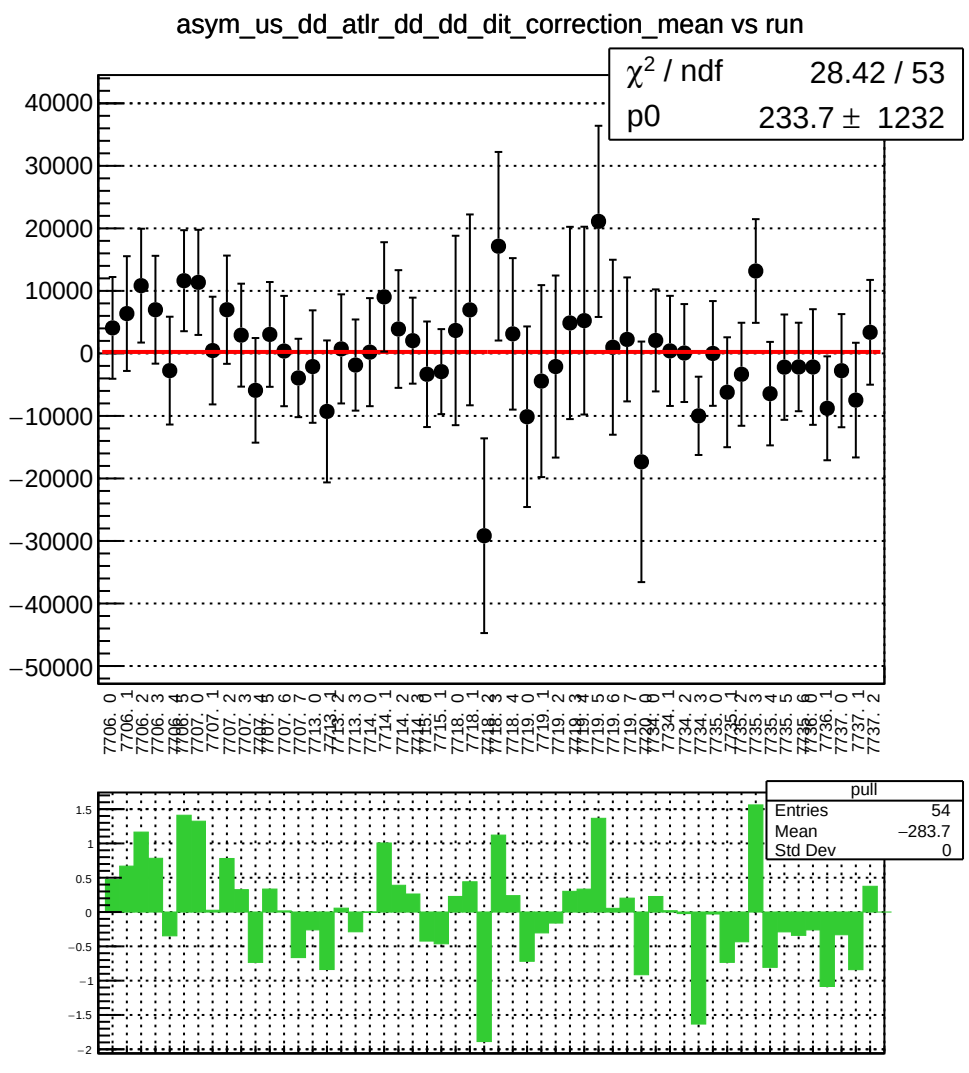

pull1D
Entries 54
Mean 0.01448
Std Dev 0.7263
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

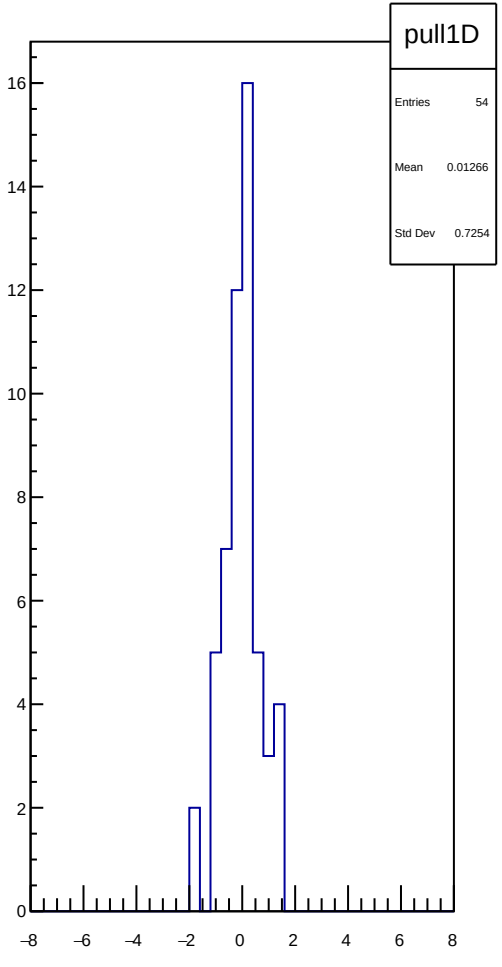

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.177e+04 / 53
p0 905.7 ± 0.8967
1500
1400
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

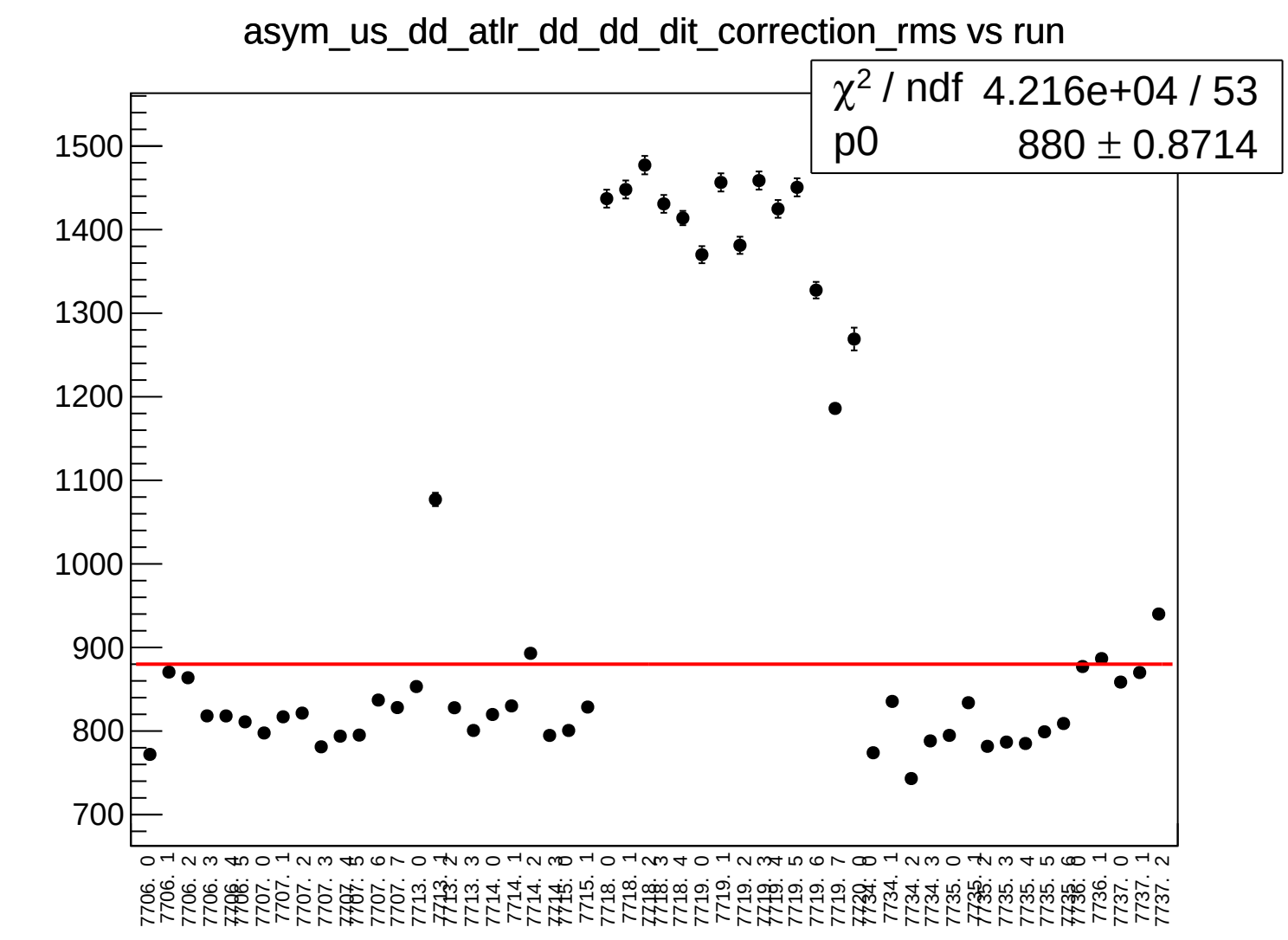

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 40.33 / 53
p0 −153 ± 1505
pull
Entries 54
Mean 305.1
Std Dev 0

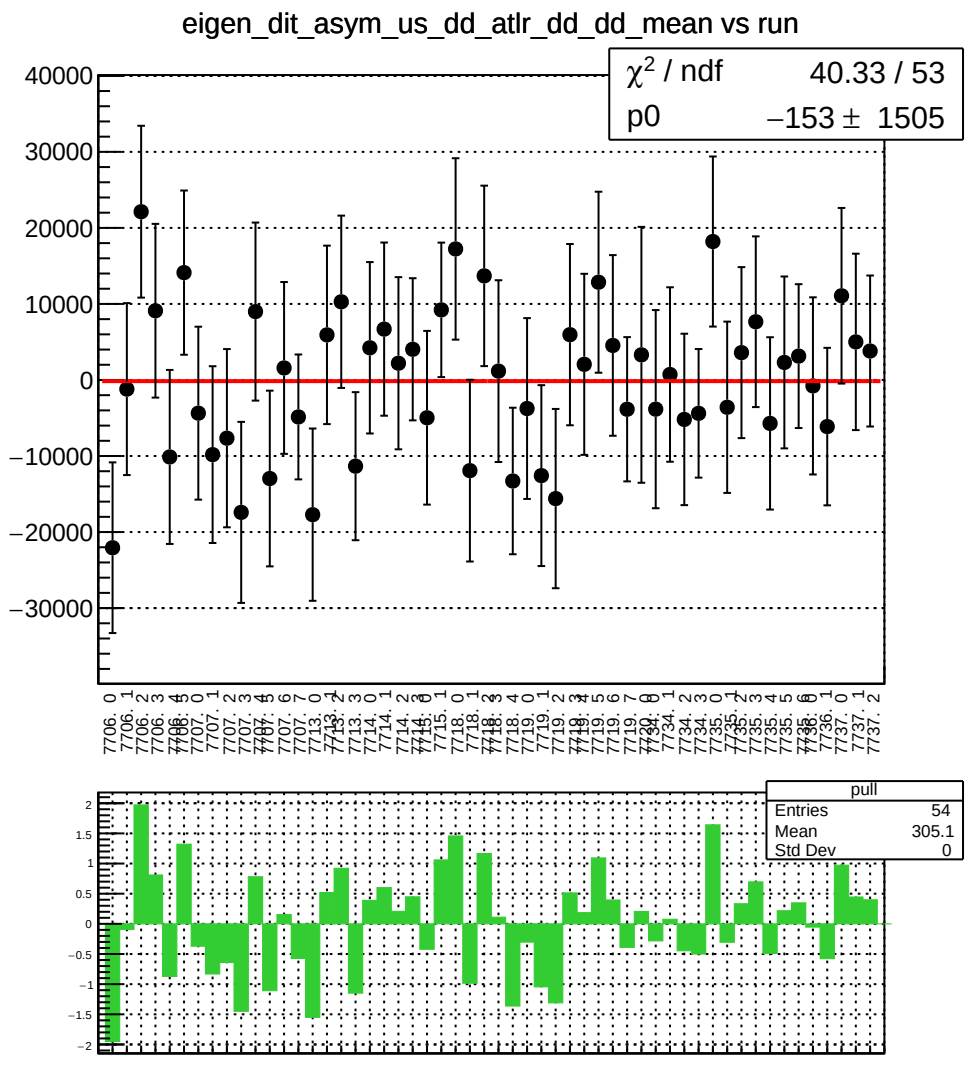

pull1D
Entries 54
Mean 0.007045
Std Dev 0.8642

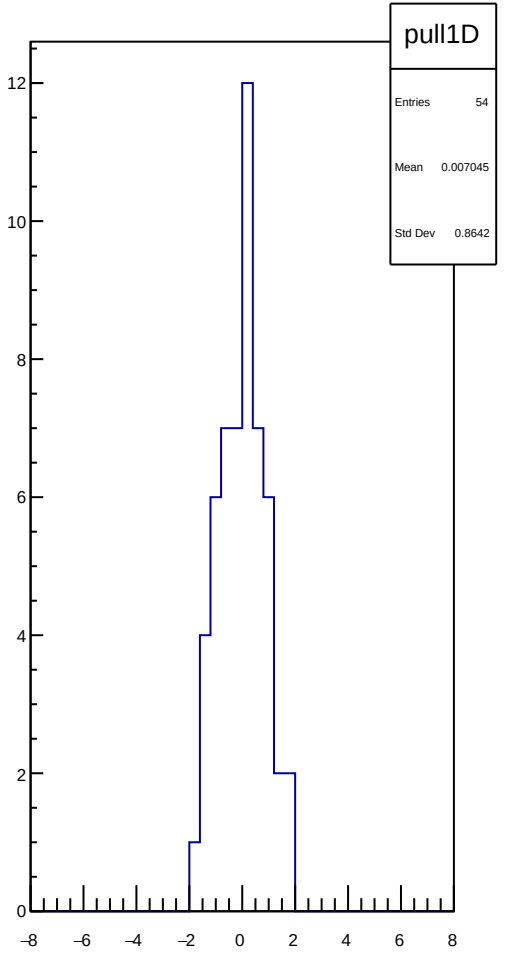

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 736.2 / 53
p0 1096 ± 1.064
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

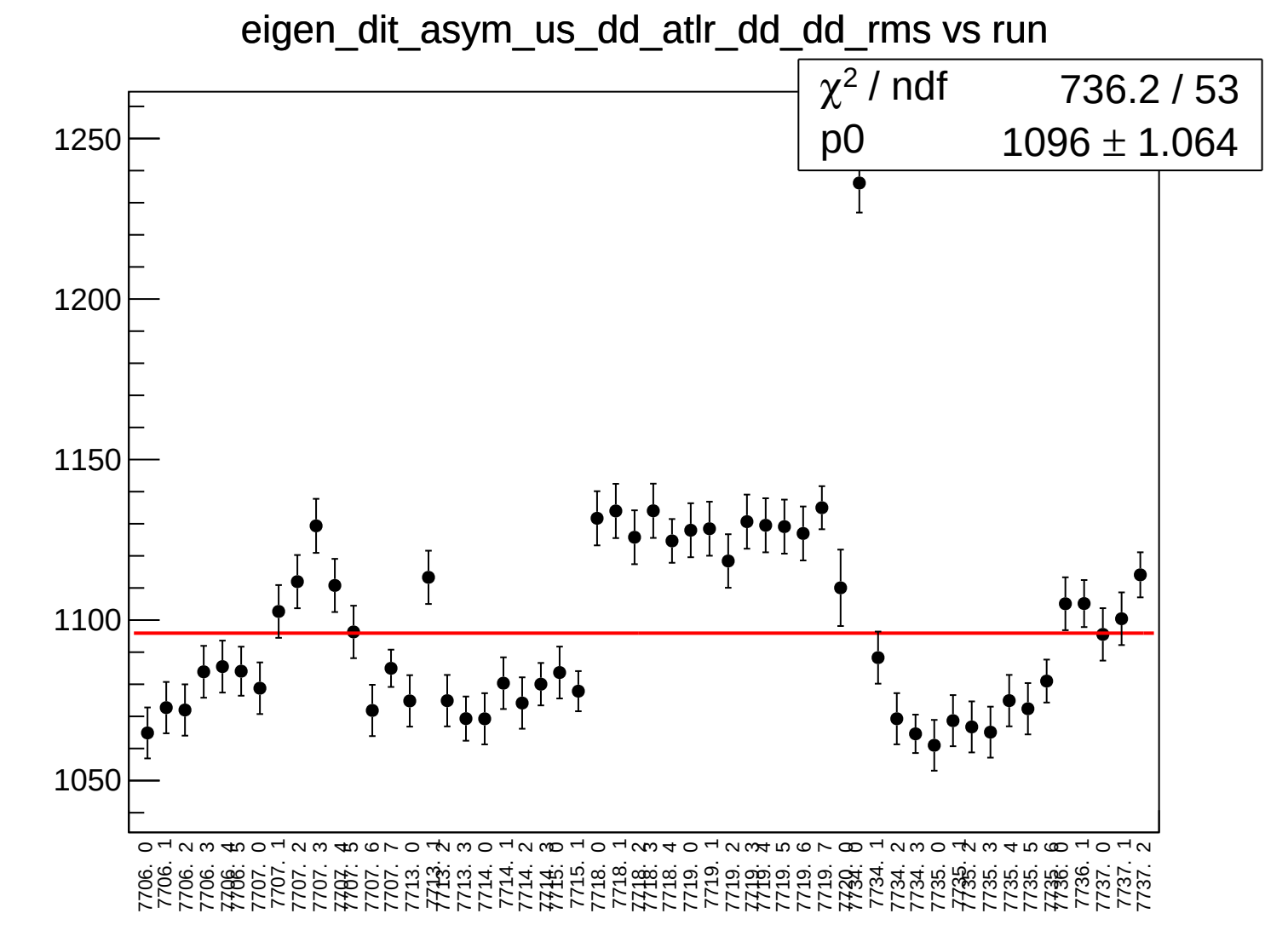

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 28.42 / 53
p0 233.7 ± 1232
pull
Entries 54
Mean −283.7
Std Dev 0

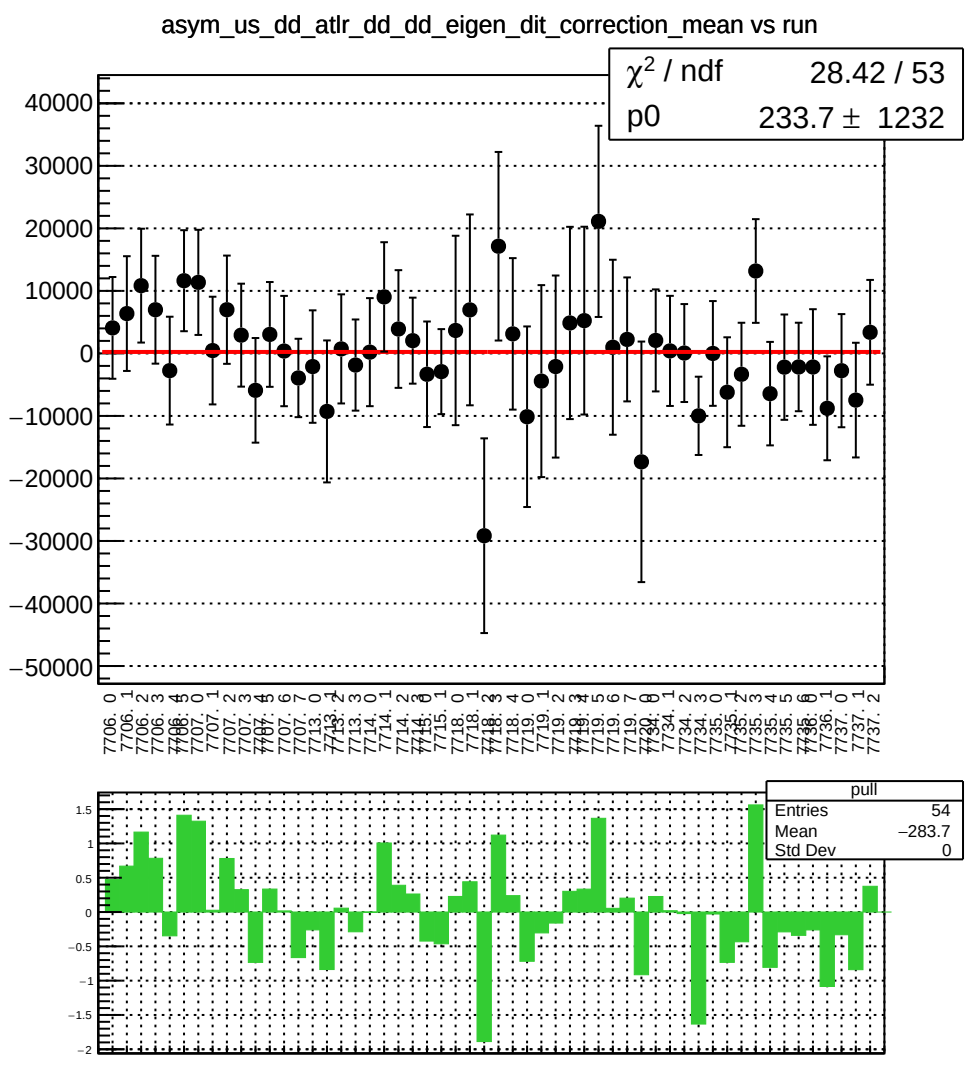

pull1D
Entries 54
Mean 0.01266
Std Dev 0.7254

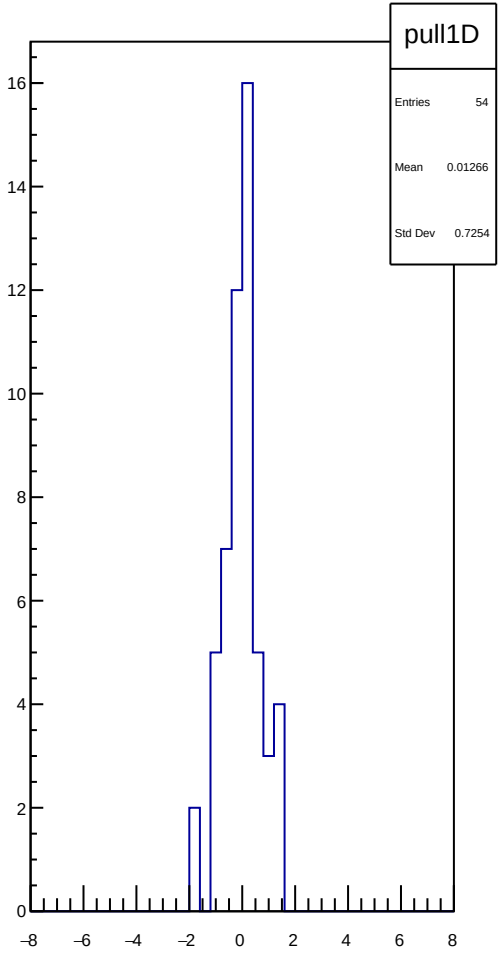

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 4.216e+04 / 53
p0 880 ± 0.8714
1500
1400
1300
1200
1100
1000
900
800
700

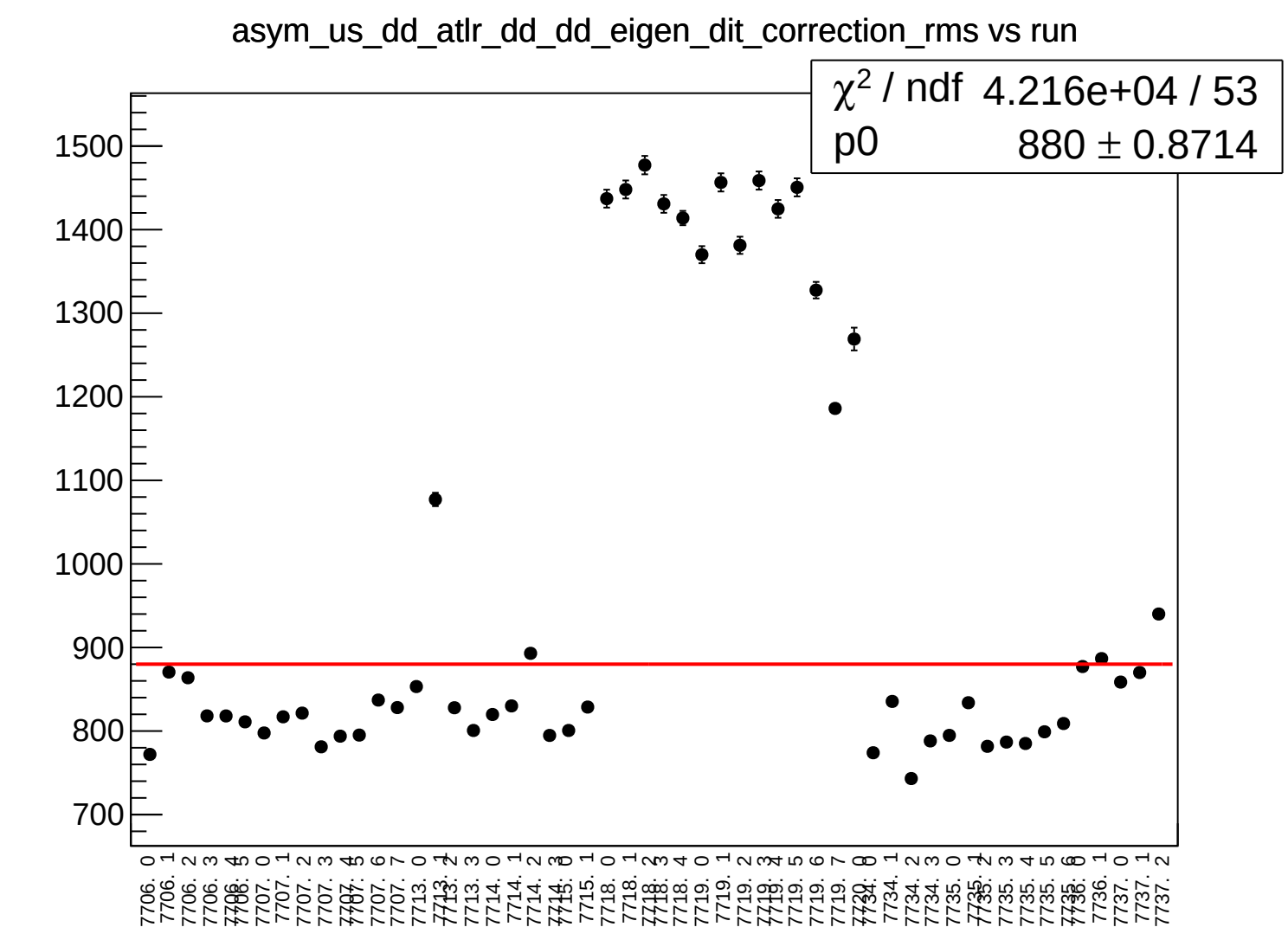

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 40.33 / 53
p0 −153 ± 1505
pull
Entries 54
Mean 305.1
Std Dev 0

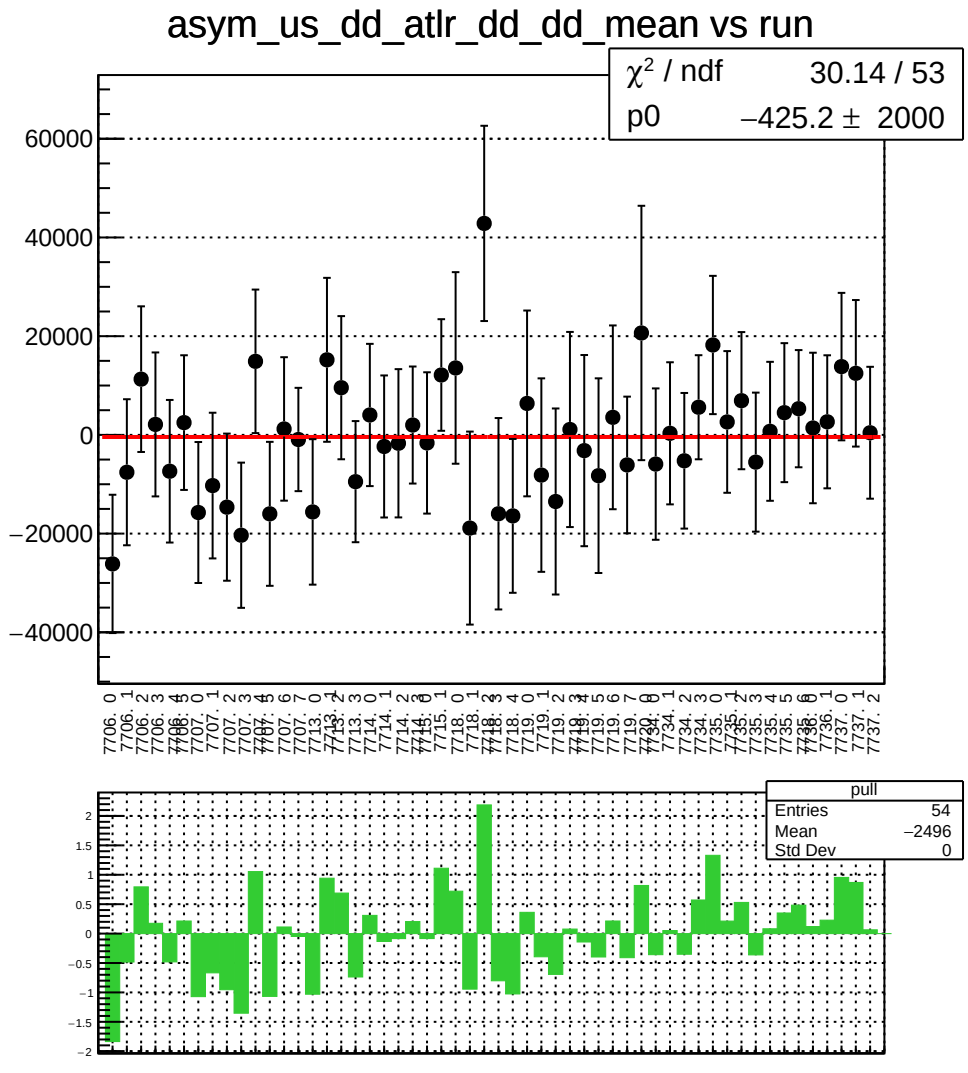

pull1D
Entries 54
Mean 0.007045
Std Dev 0.8642

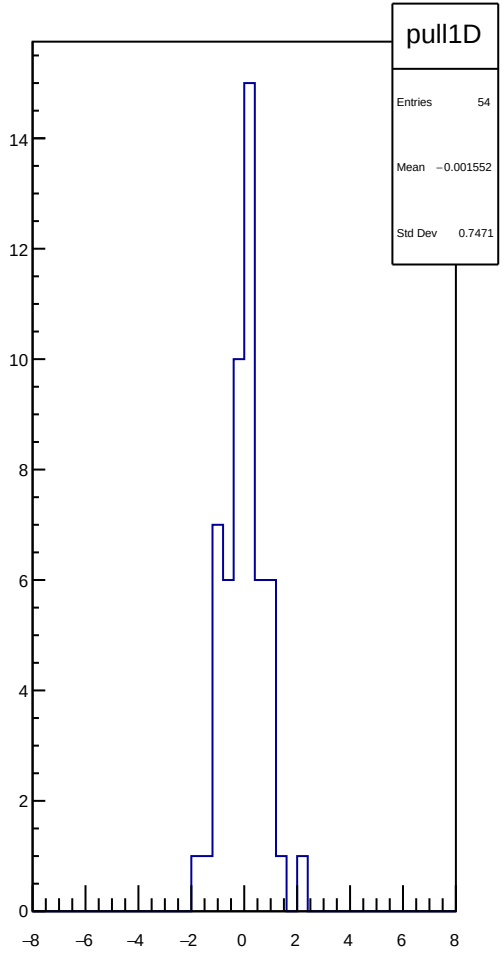

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 736.2 / 53
p0 1096 ± 1.064
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

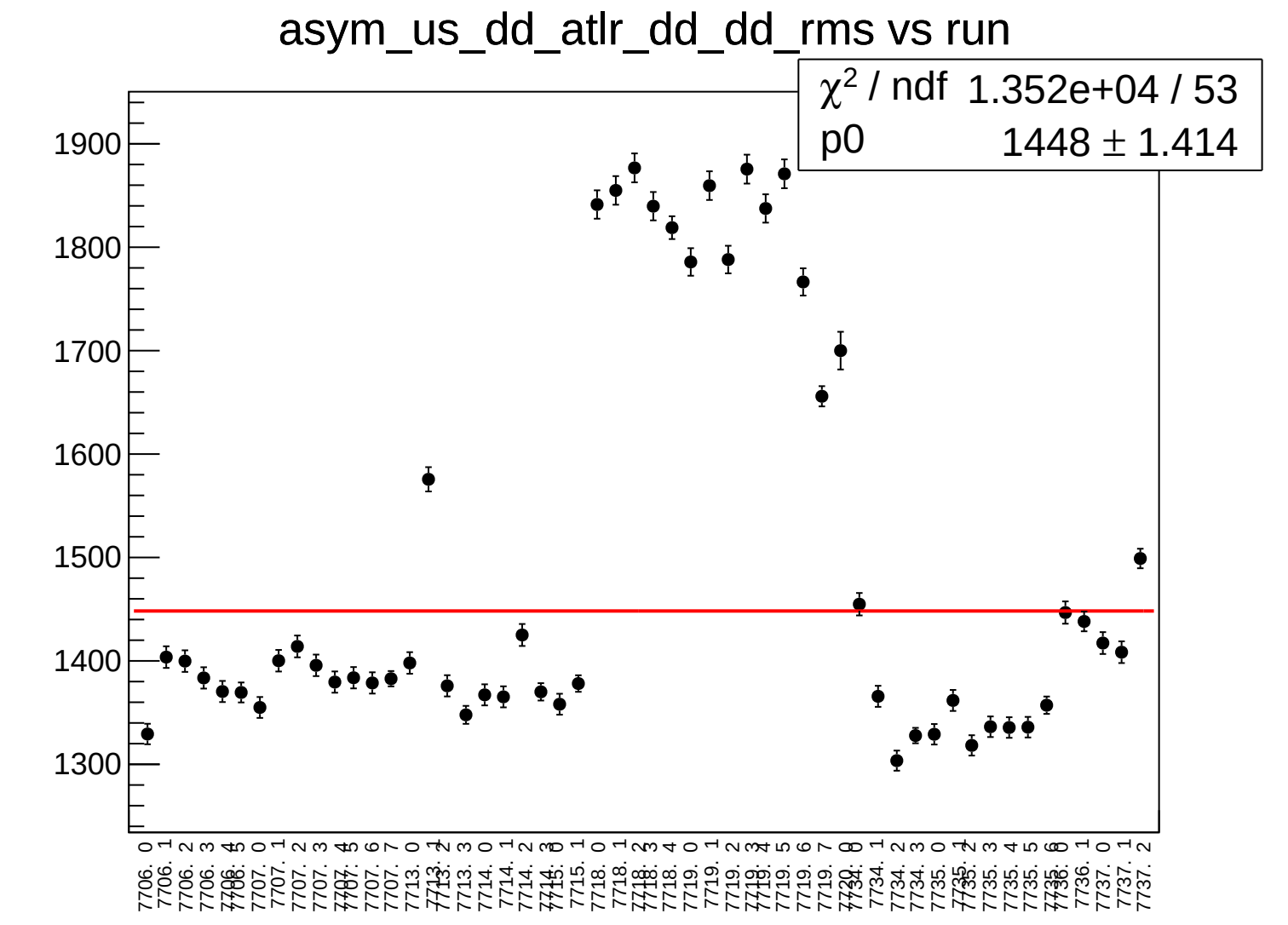

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.42 / 53
p0 233.7 ± 1232
pull
Entries 54
Mean −283.7
Std Dev 0

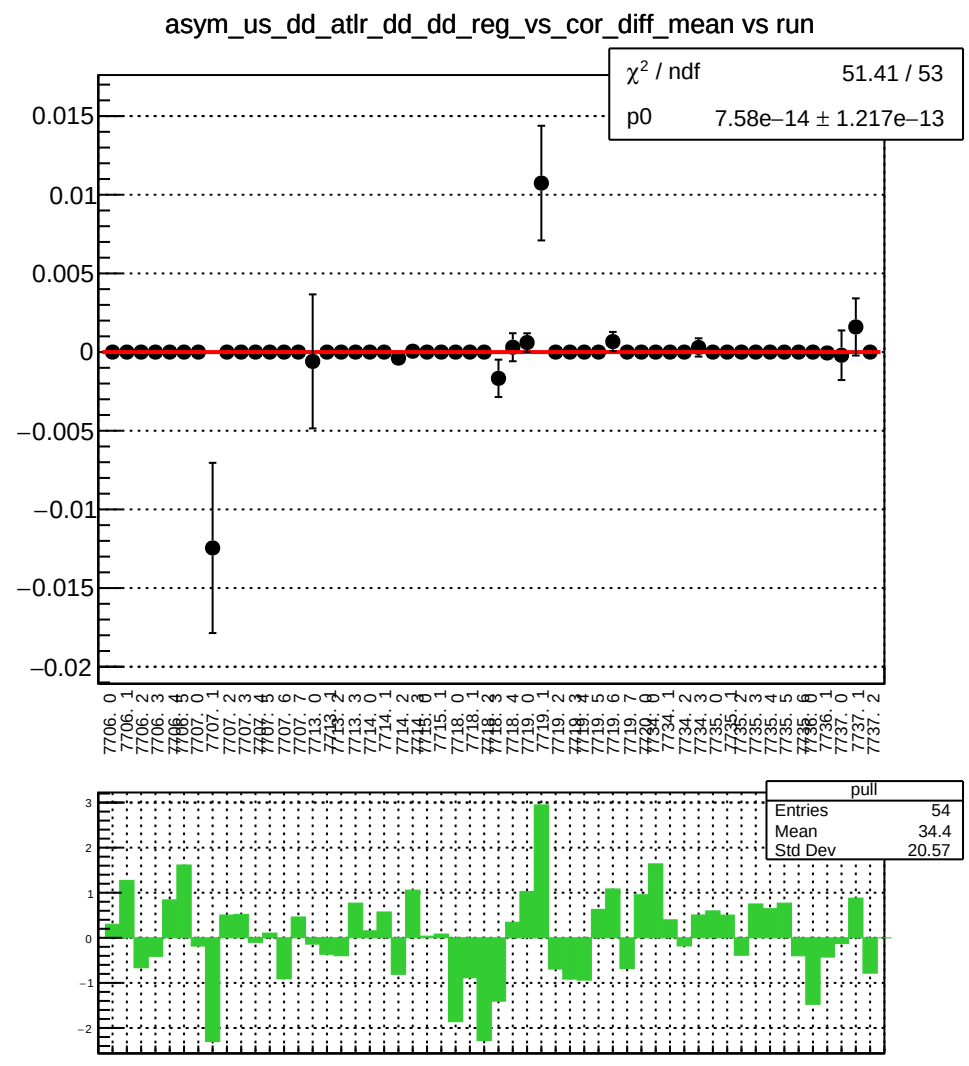

pull1D
Entries 54
Mean 0.01266
Std Dev 0.7254

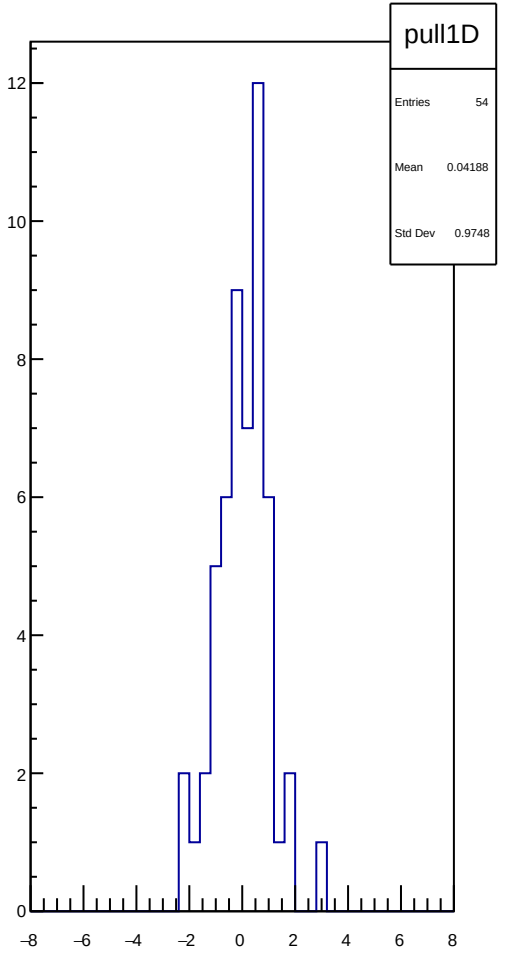

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.216e+04 / 53
p0 880 ± 0.8714
1500
1400
1300
1200
1100
1000
900
800
700

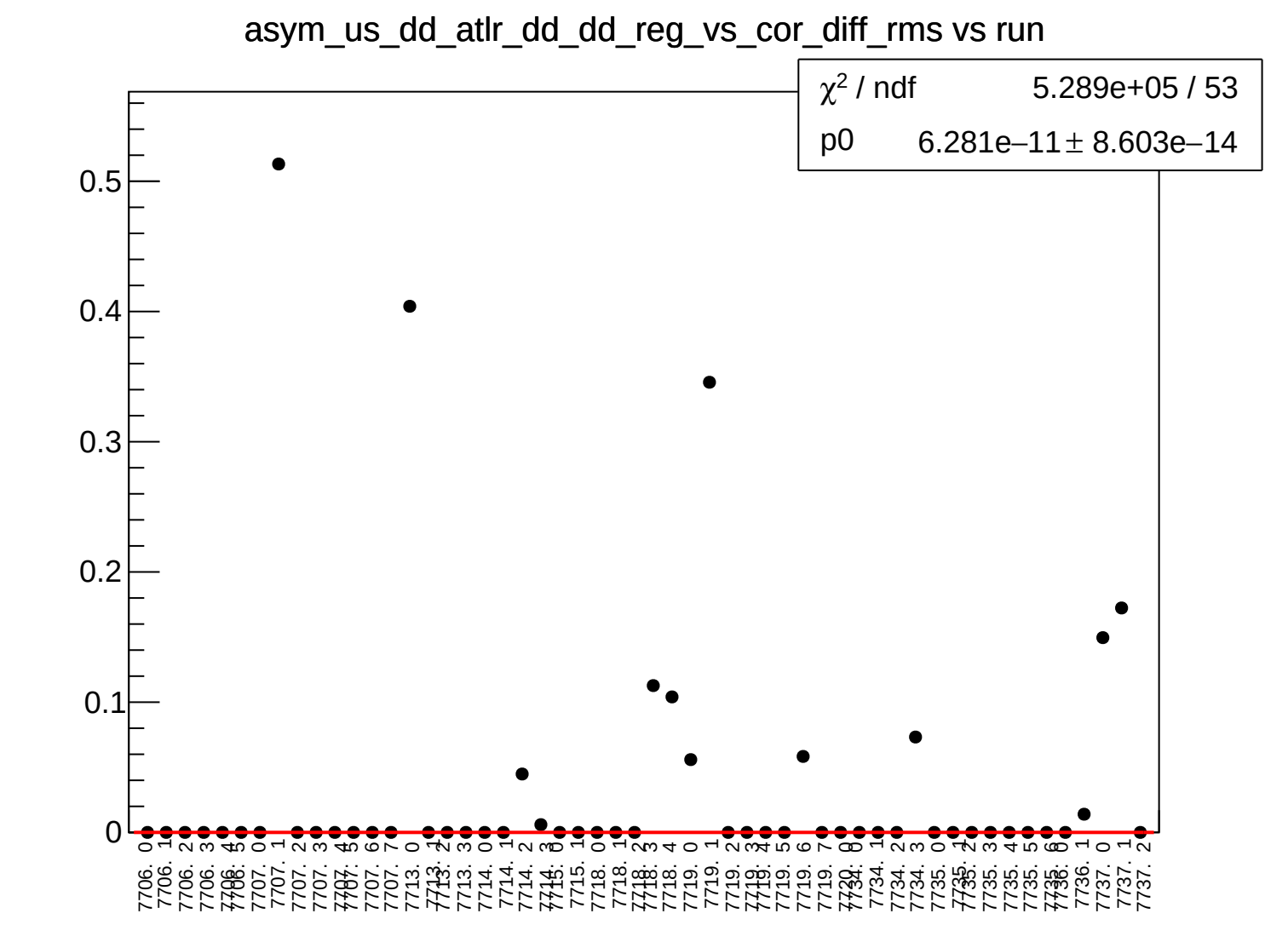

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 30.14 / 53
p0 −425.2 ± 2000
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −2496
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

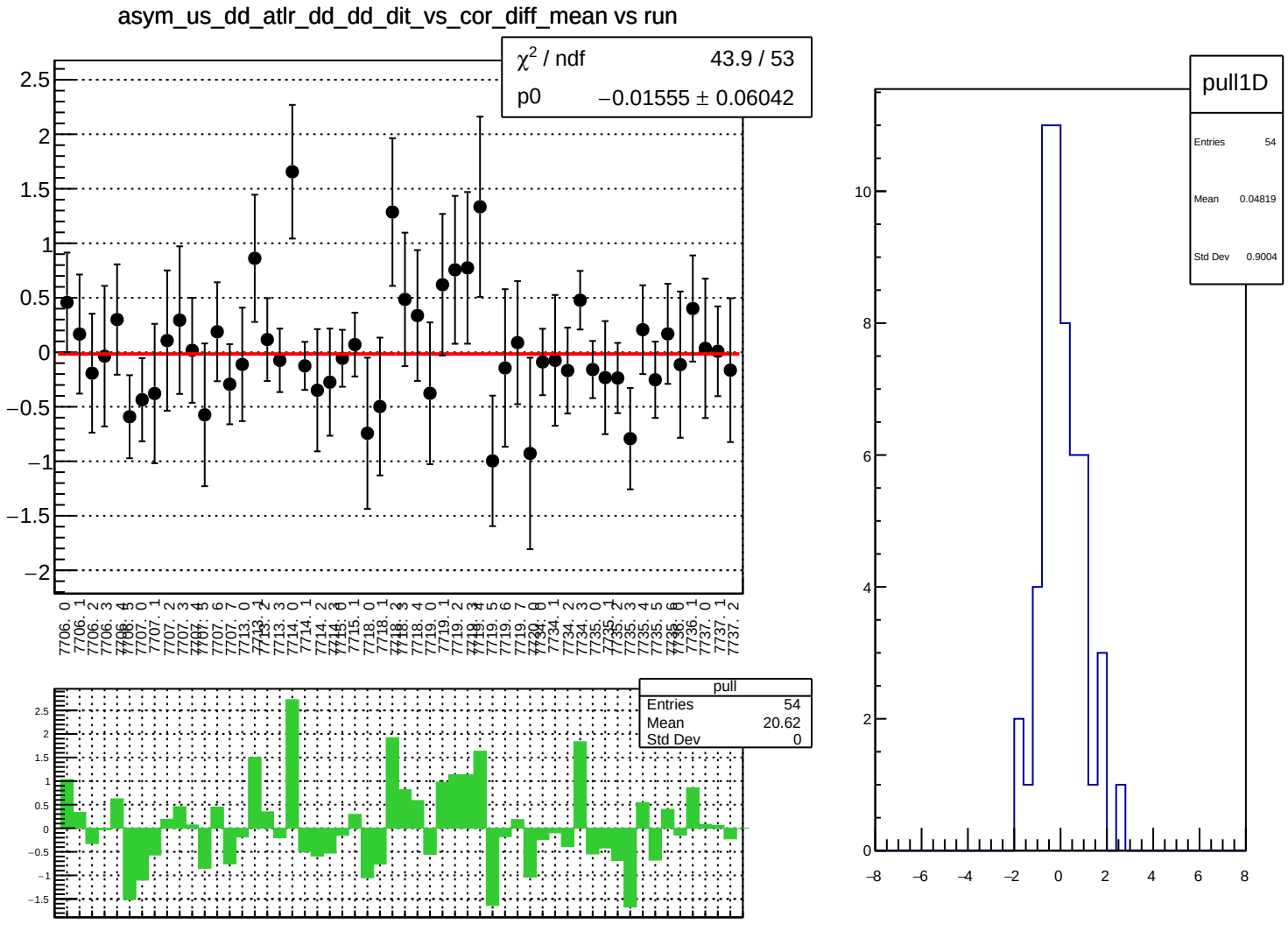

pull1D
Entries 54
Mean −0.001552
Std Dev 0.7471
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

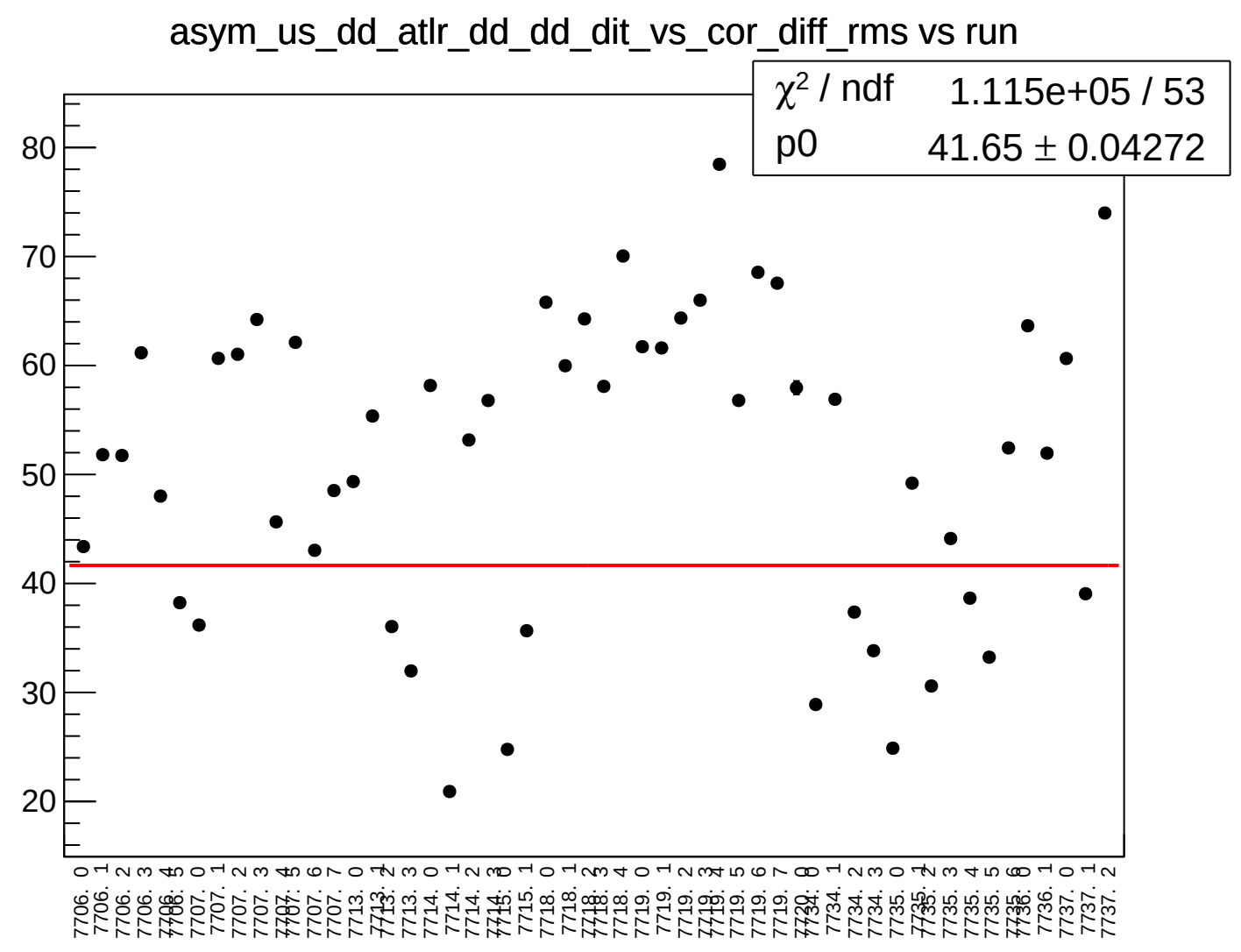

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1.352e+04 / 53
p0 1448 ± 1.414
1900
1800
1700
1600
1500
1400
1300

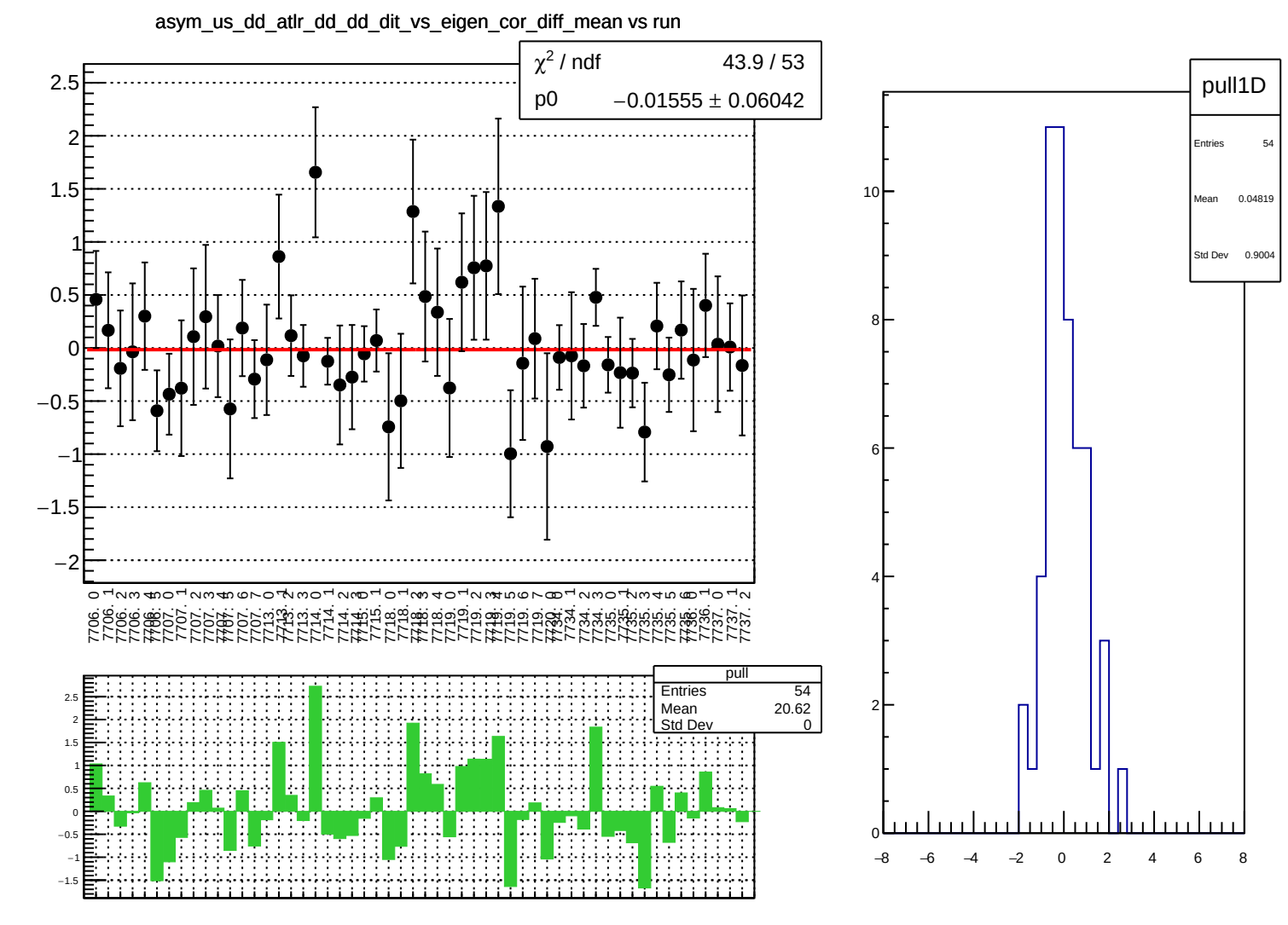

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.41 / 53
p0 7.58e−14 ± 1.217e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 54
Mean 34.4
Std Dev 20.57
3
2
1
0
−1
−2

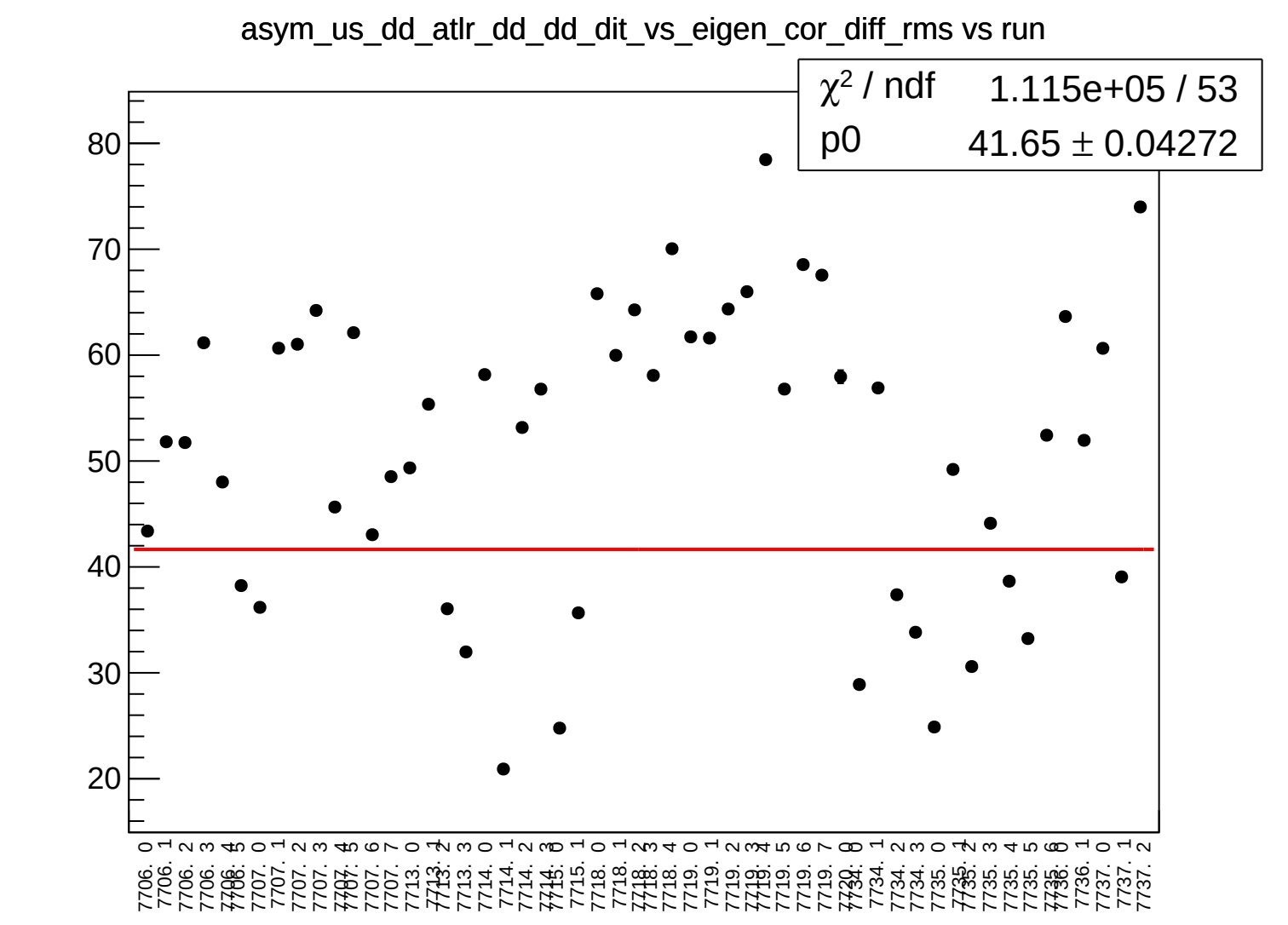

pull1D
Entries 54
Mean 0.04188
Std Dev 0.9748
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

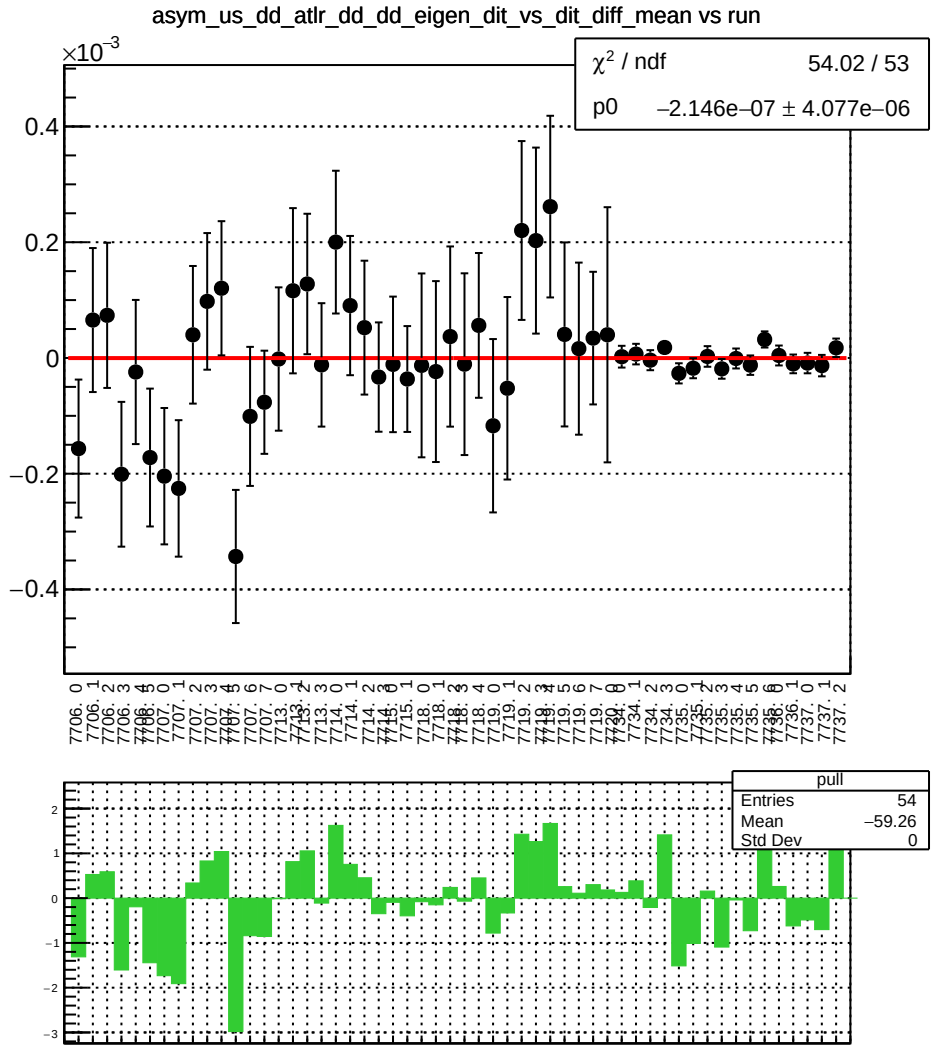

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.289e+05 / 53
p0 6.281e−11 ± 8.603e−14
0.5
0.4
0.3
0.2
0.1
0

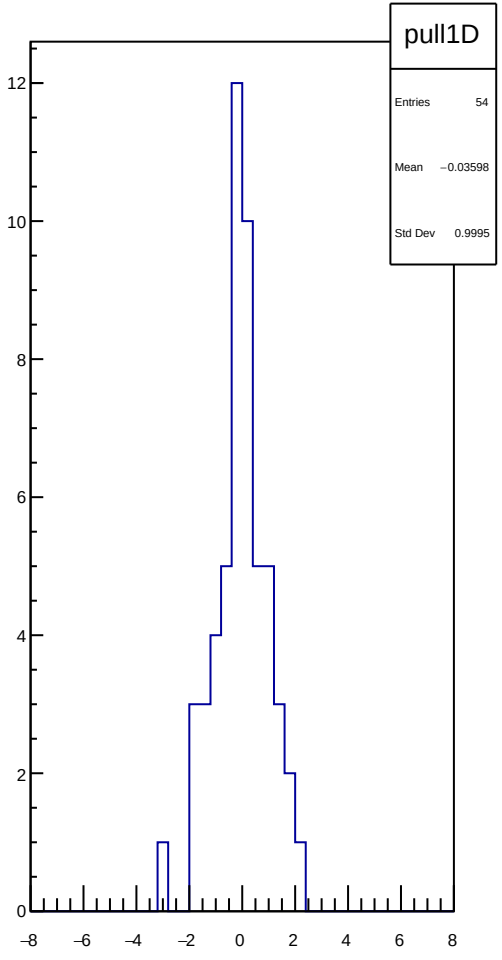

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.9 / 53
p0 −0.01555 ± 0.06042
pull
Entries 54
Mean 20.62
Std Dev 0
pull1D
Entries 54
Mean 0.04819
Std Dev 0.9004

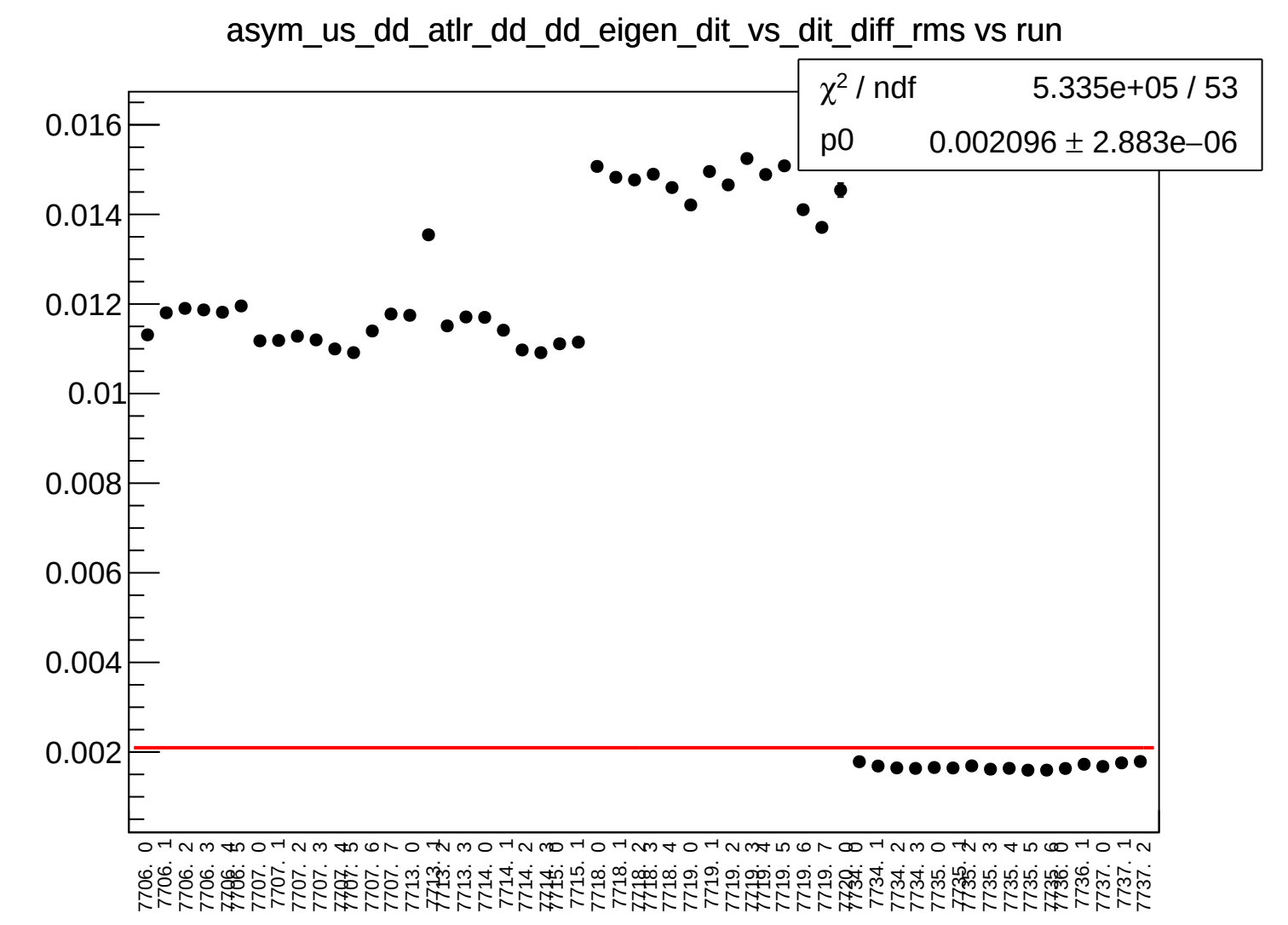

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.115e+05 / 53
p0 41.65 ± 0.04272
80
70
60
50
40
30
20

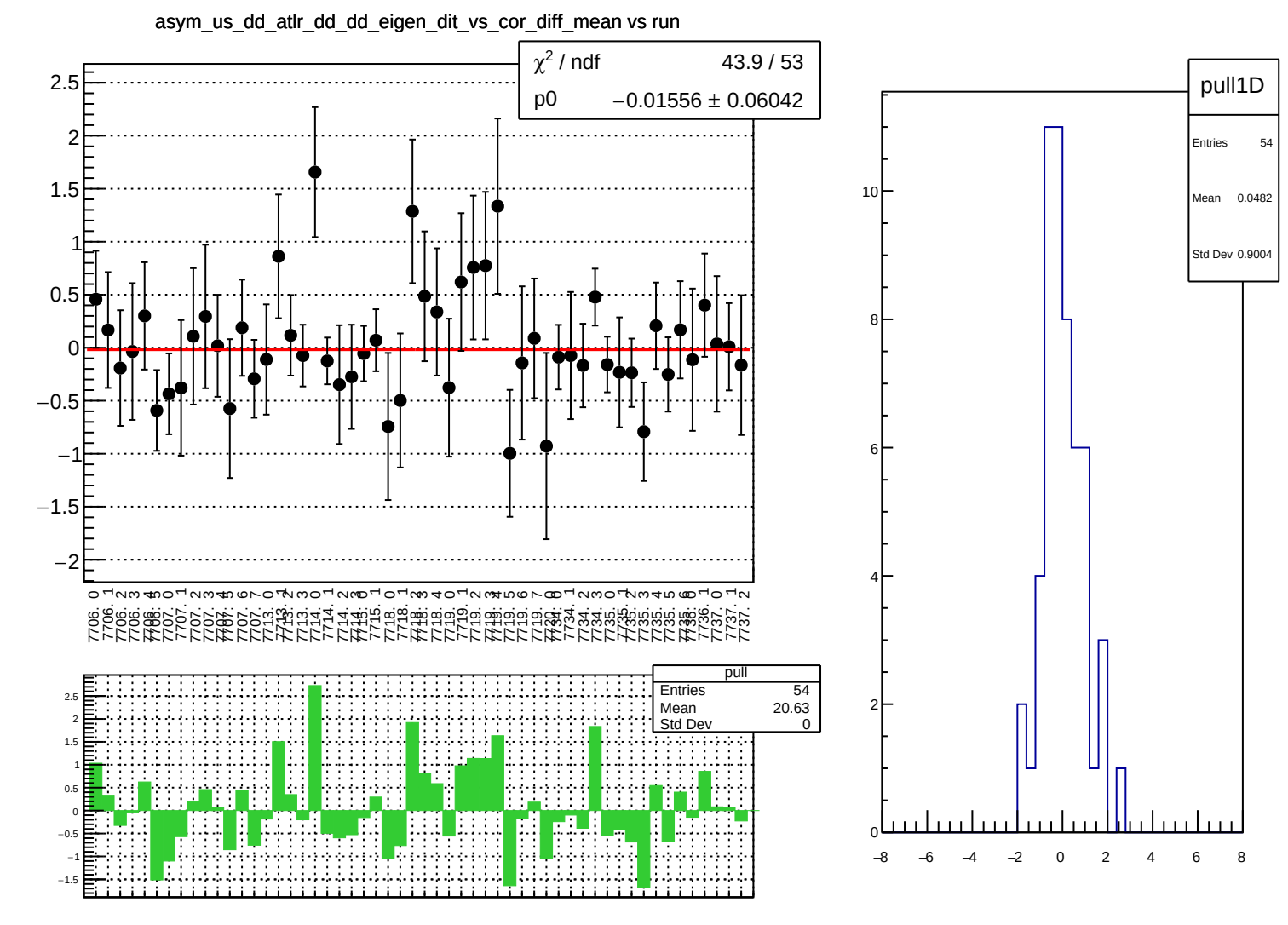

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.9 / 53
p0 −0.01555 ± 0.06042
pull
Entries 54
Mean 20.62
Std Dev 0
pull1D
Entries 54
Mean 0.04819
Std Dev 0.9004

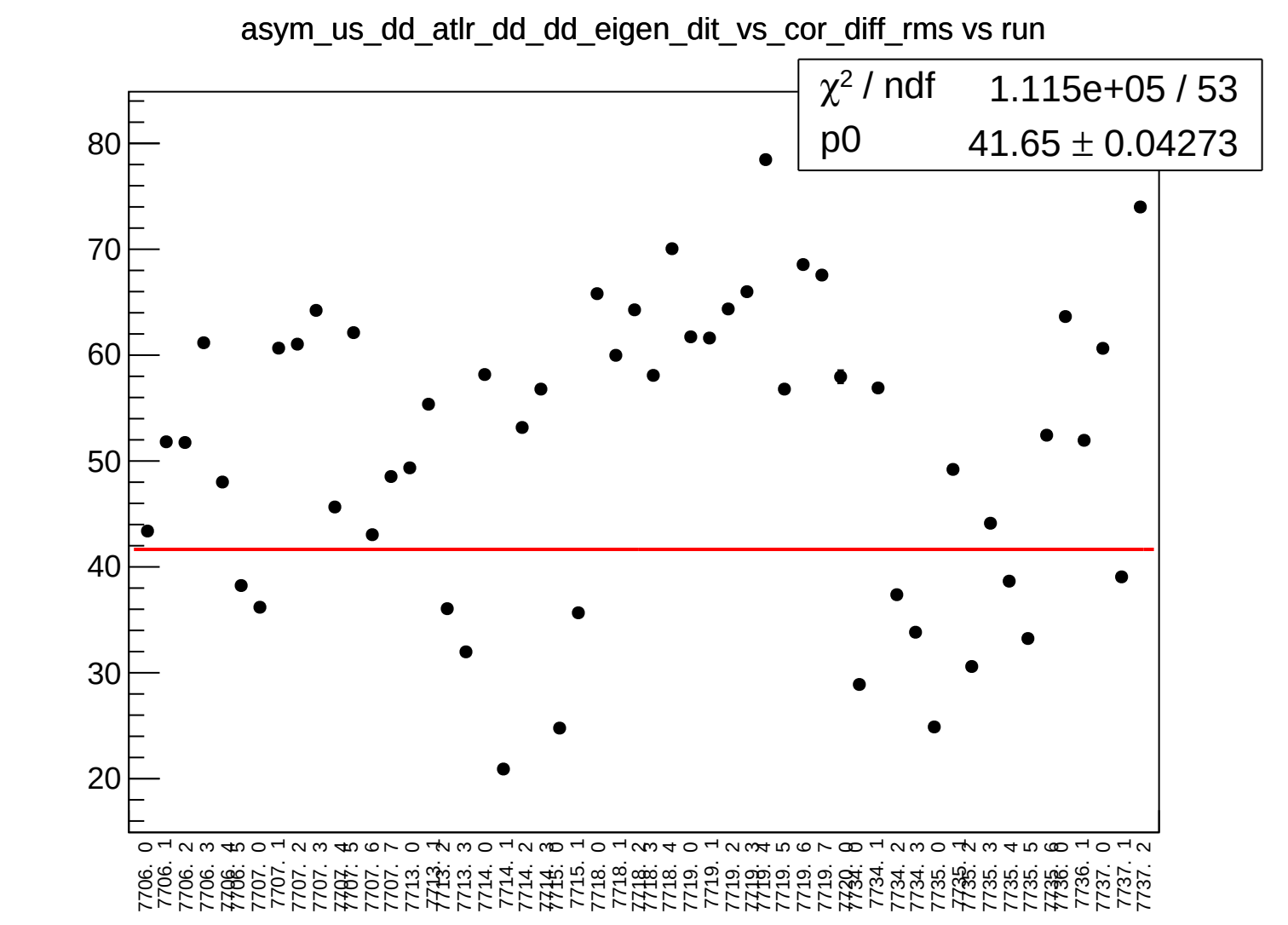

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.115e+05 / 53
p0 41.65 ± 0.04272
80
70
60
50
40
30
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

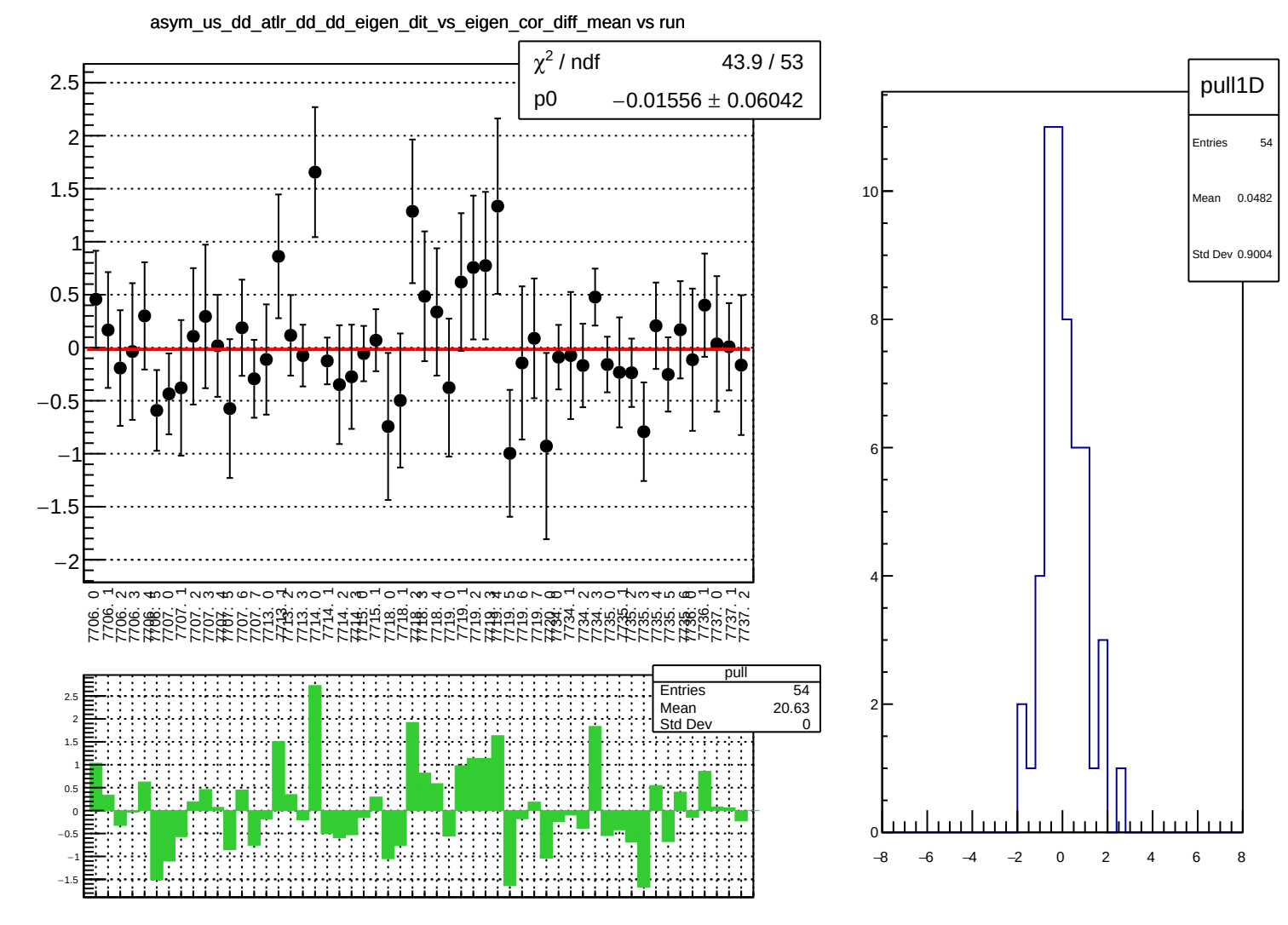

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.02 / 53
p0 −2.146e−07 ± 4.077e−06
pull
Entries 54
Mean −59.26
Std Dev 0

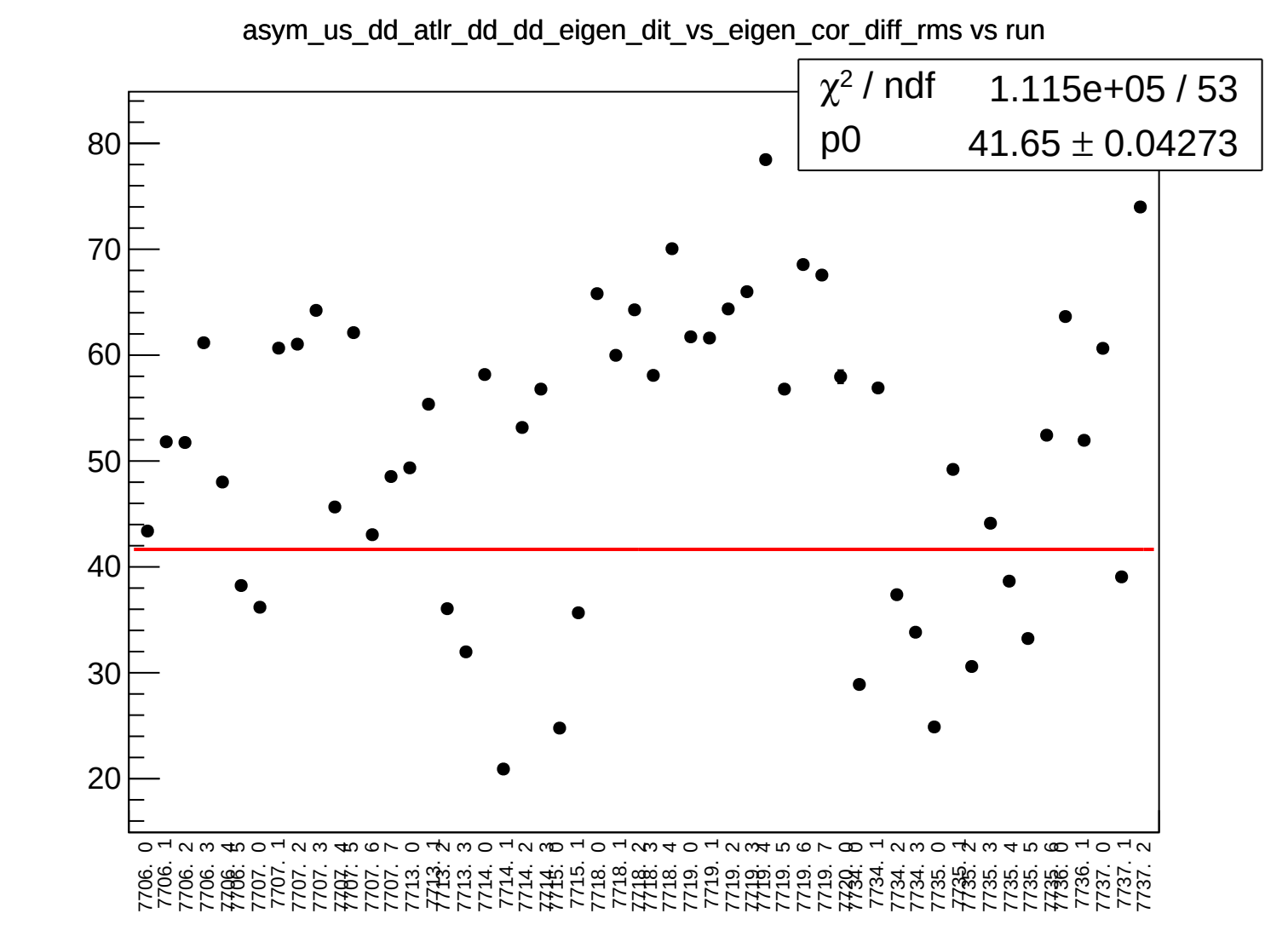

pull1D
Entries 54
Mean −0.03598
Std Dev 0.9995

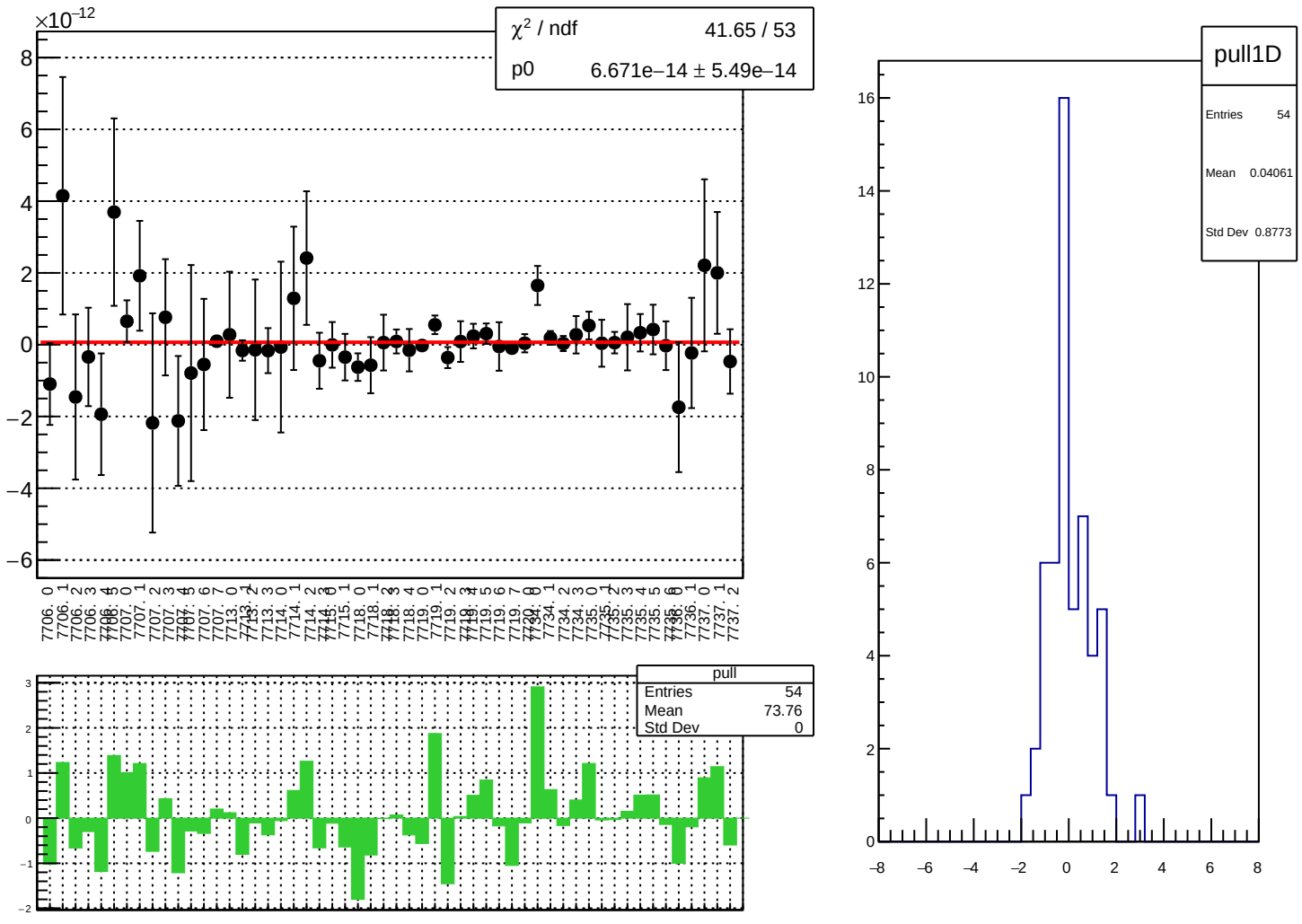

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.335e+05 / 53
p0 0.002096 ± 2.883e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

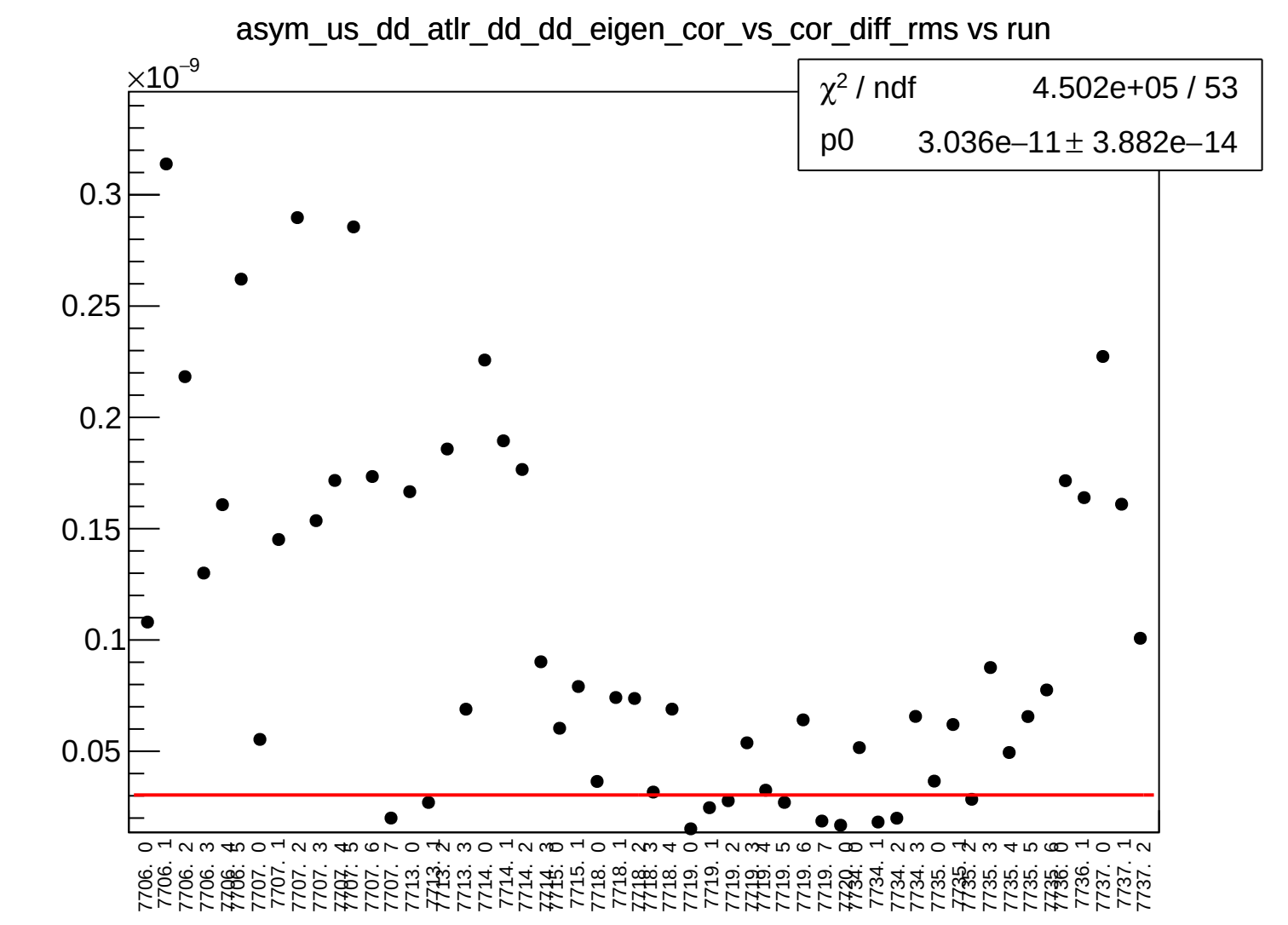

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.9 / 53
p0 −0.01556 ± 0.06042
pull
Entries 54
Mean 20.63
Std Dev 0
pull1D
Entries 54
Mean 0.0482
Std Dev 0.9004

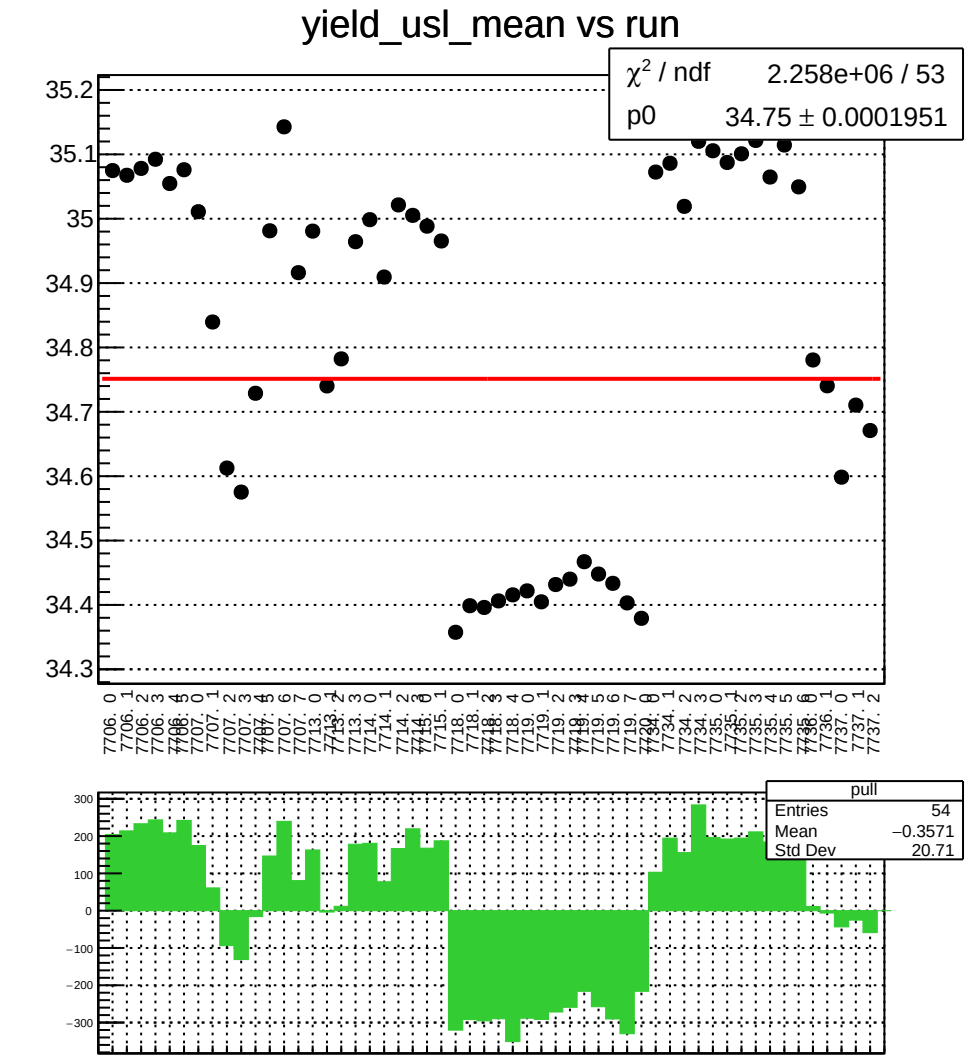

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.115e+05 / 53
p0 41.65 ± 0.04273
80
70
60
50
40
30
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

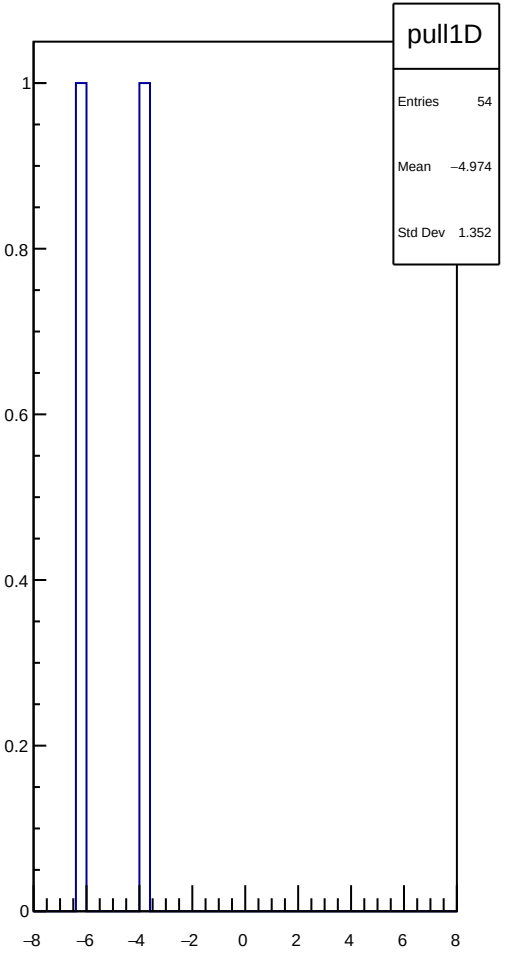

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.9 / 53
p0 −0.01556 ± 0.06042
pull
Entries 54
Mean 20.63
Std Dev 0
pull1D
Entries 54
Mean 0.0482
Std Dev 0.9004

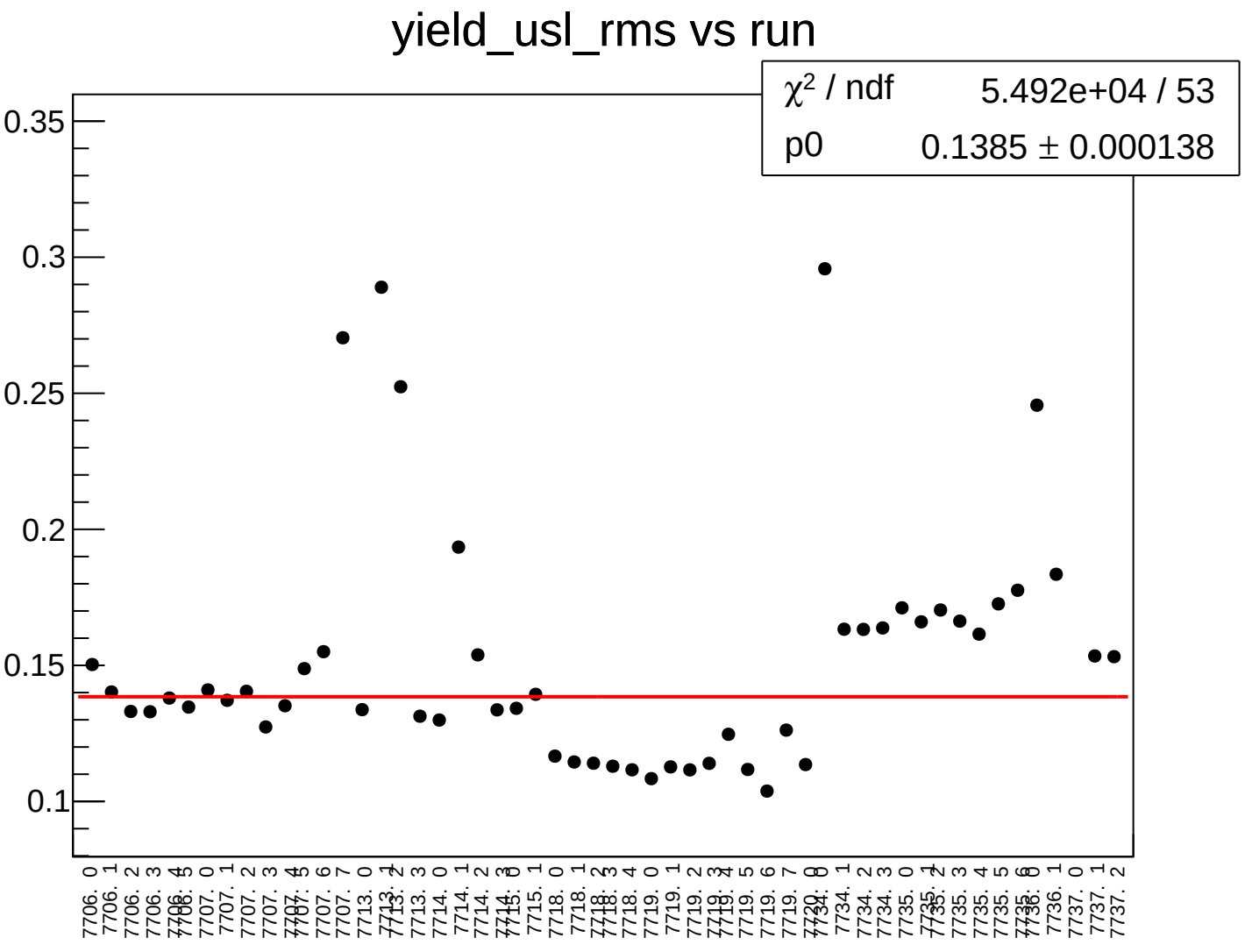

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.115e+05 / 53
p0 41.65 ± 0.04273
80
70
60
50
40
30
20

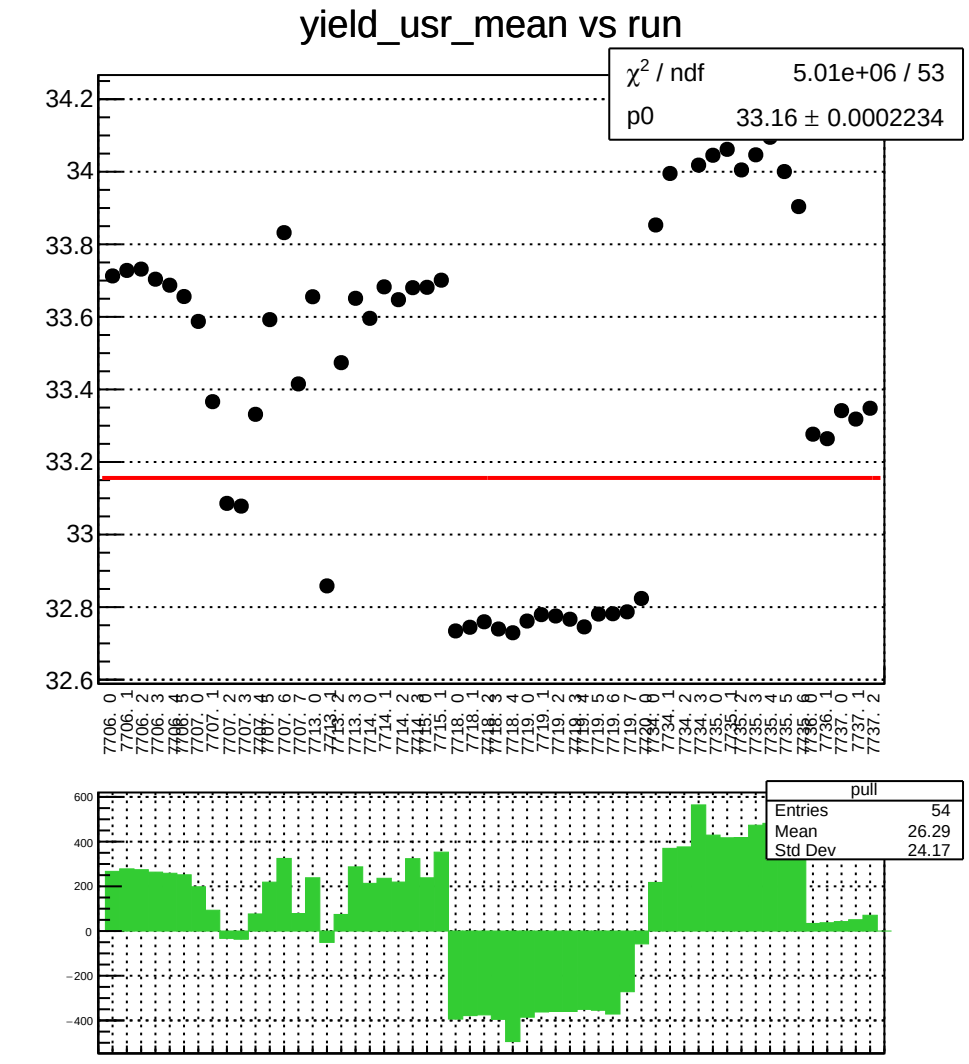

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.65 / 53
p0 6.671e−14 ± 5.49e−14
pull
Entries 54
Mean 73.76
Std Dev 0
pull1D
Entries 54
Mean 0.04061
Std Dev 0.8773

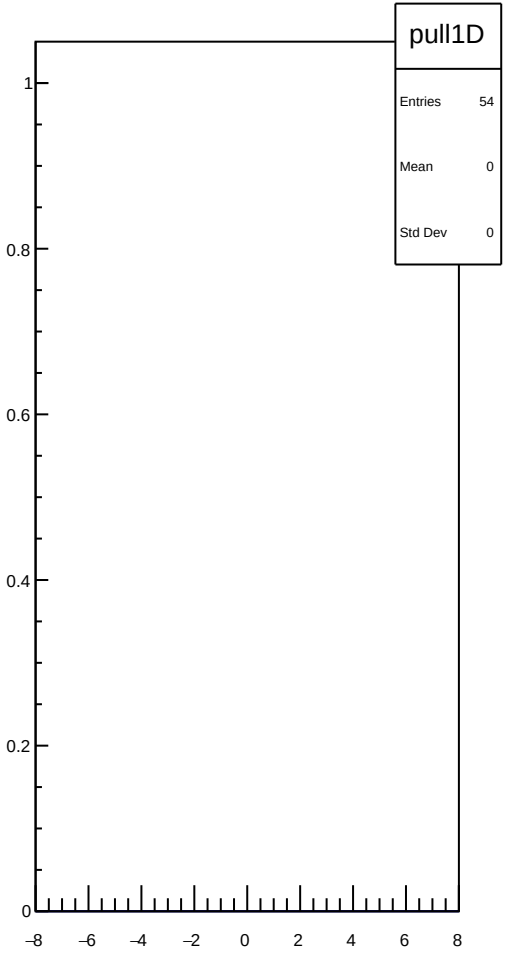

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.502e+05 / 53
p0 3.036e−11 ± 3.882e−14
0.3
0.25
0.2
0.15
0.1
0.05

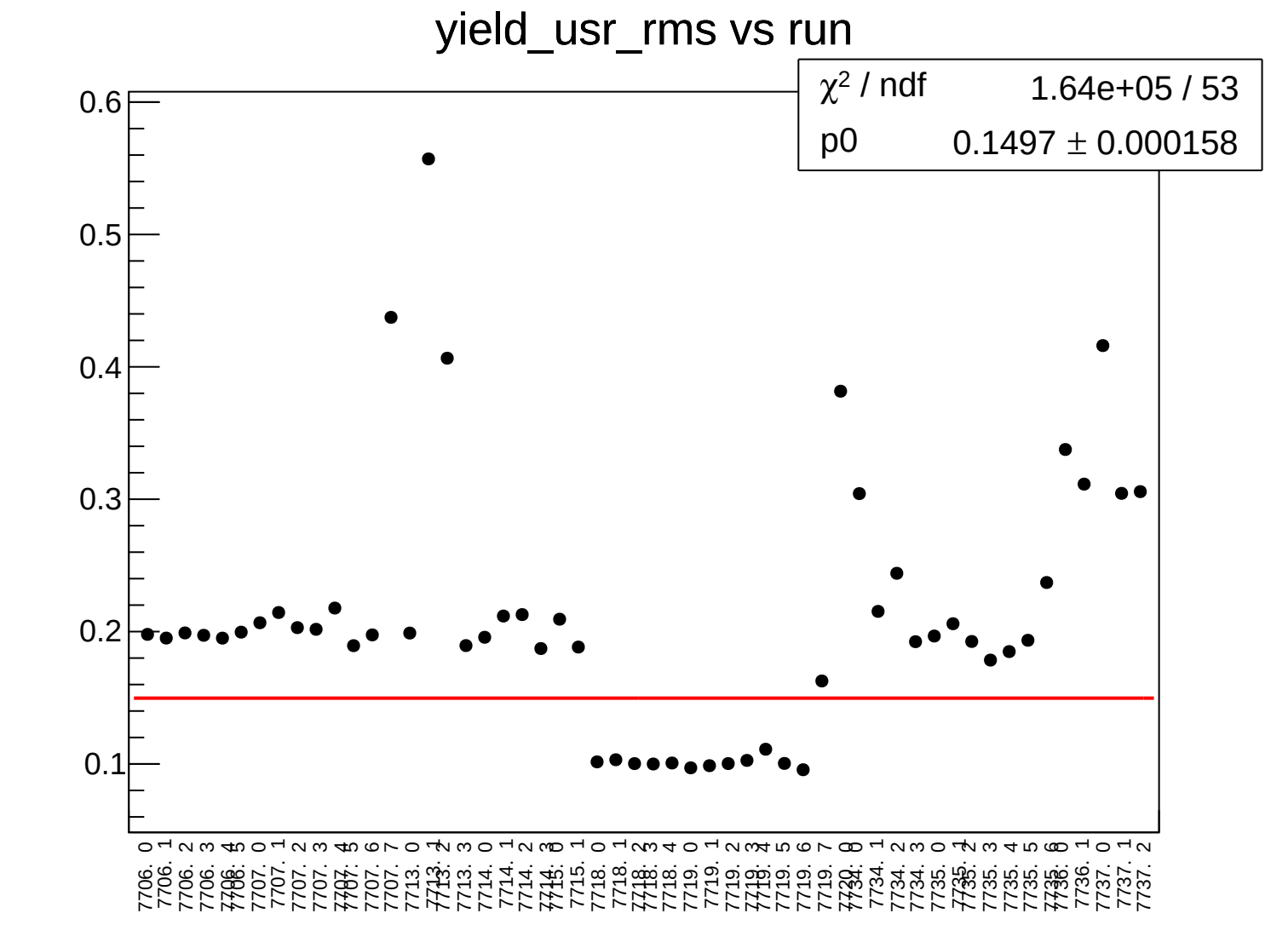

yield_usl_mean vs run
χ² / ndf 2.258e+06 / 53
p0 34.75 ± 0.0001951
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
pull
Entries 54
Mean −0.3571
Std Dev 20.71
300
200
100
0
−100
−200
−300

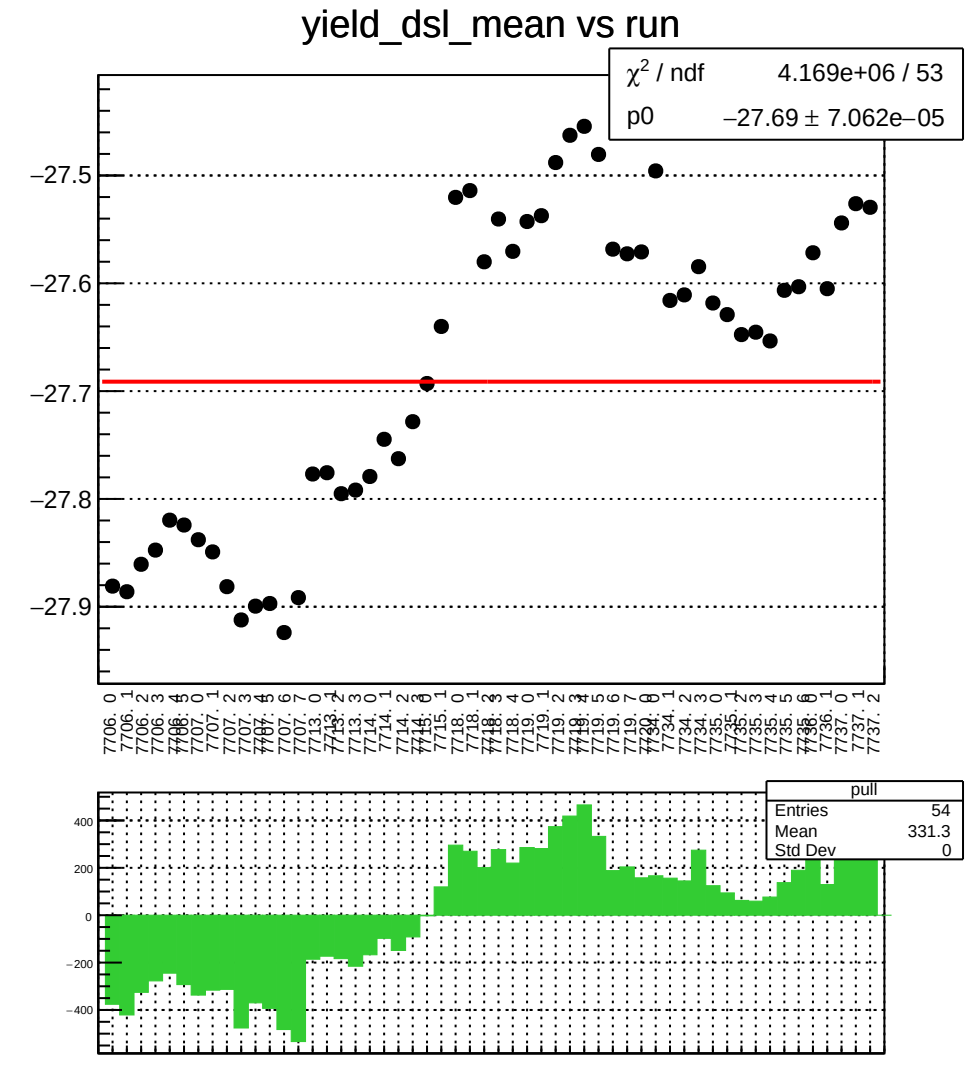

pull1D
Entries 54
Mean −4.974
Std Dev 1.352
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

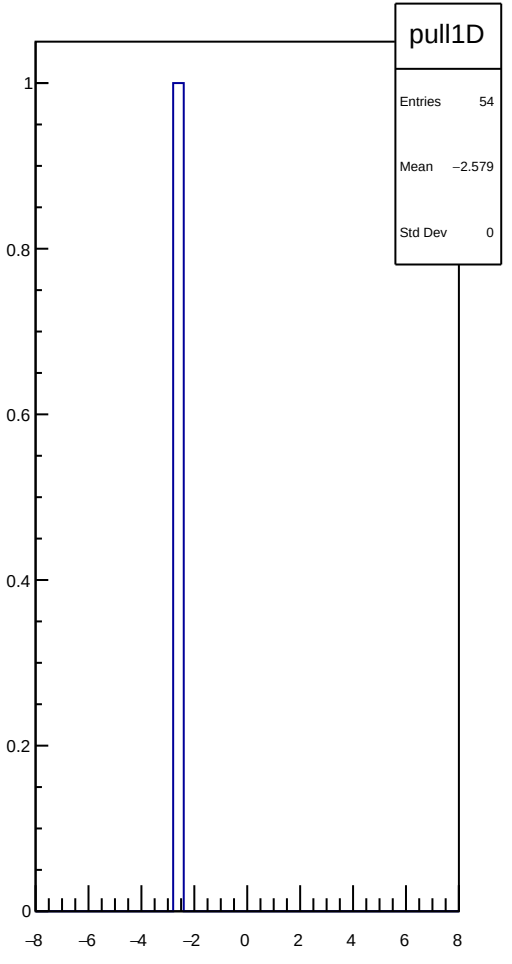

yield_usl_rms vs run
χ² / ndf 5.492e+04 / 53
p0 0.1385 ± 0.000138
0.35
0.3
0.25
0.2
0.15
0.1

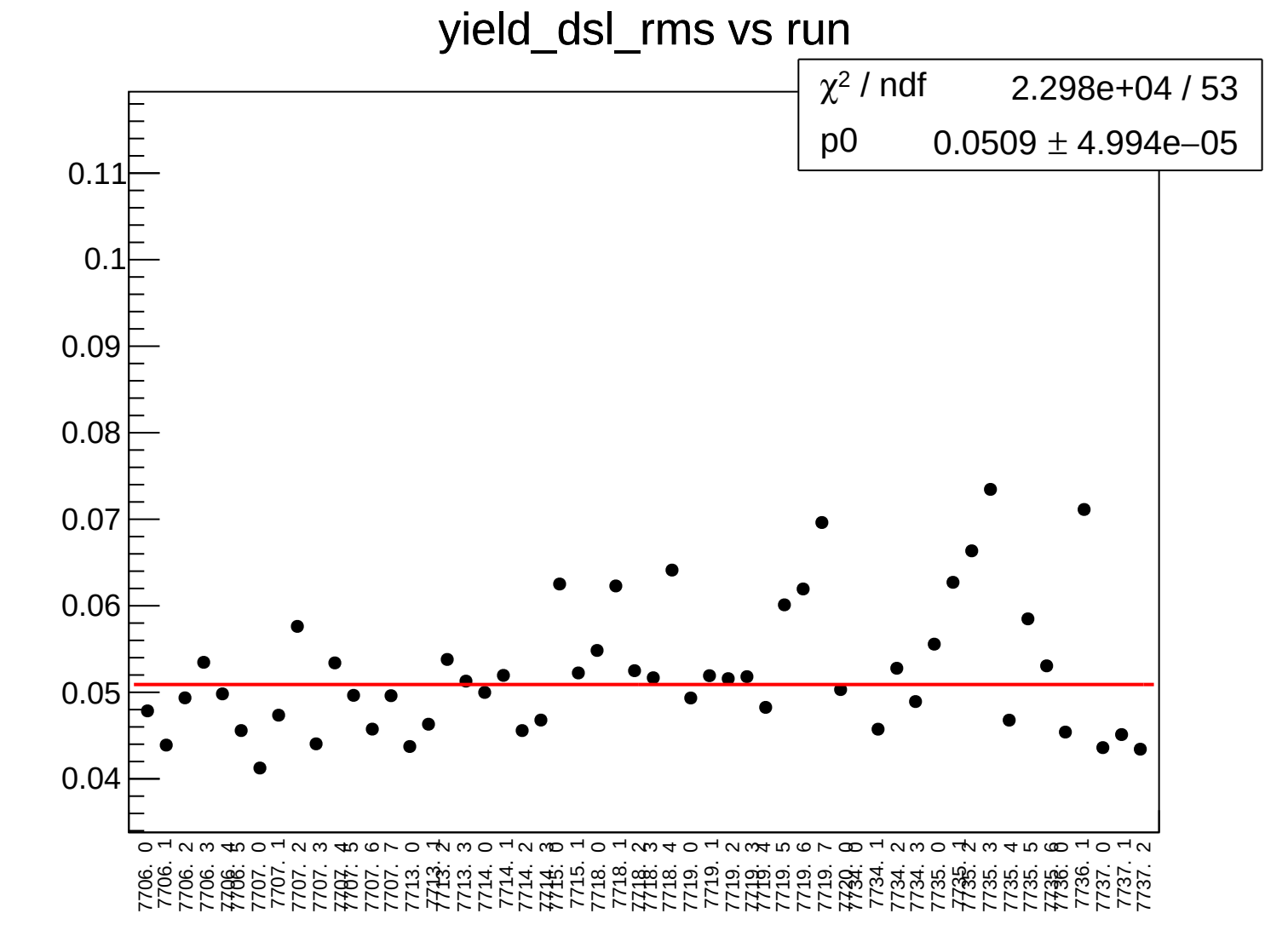

yield_usr_mean vs run
χ² / ndf 5.01e+06 / 53
p0 33.16 ± 0.0002234
34.2
34
33.8
33.6
33.4
33.2
33
32.8
32.6
pull
Entries 54
Mean 26.29
Std Dev 24.17
600
400
200
0
−200
−400

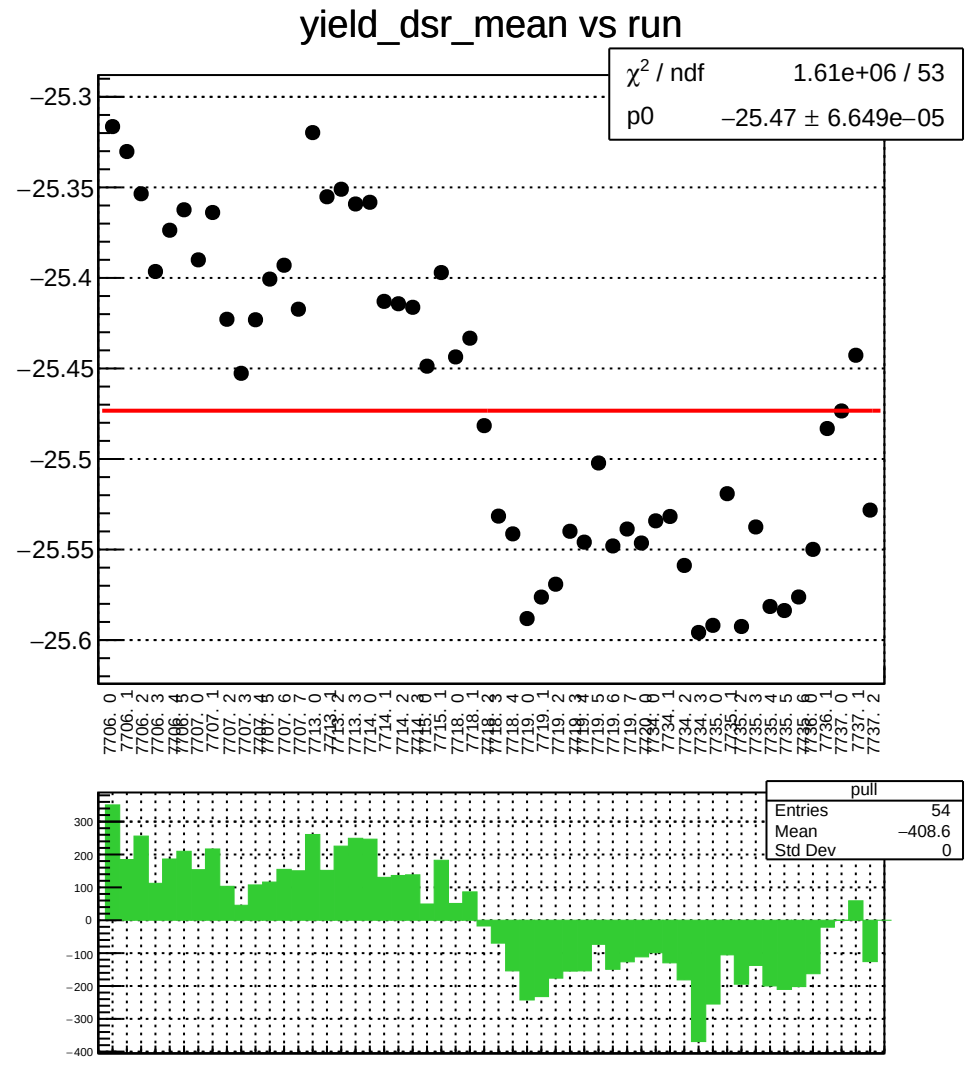

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

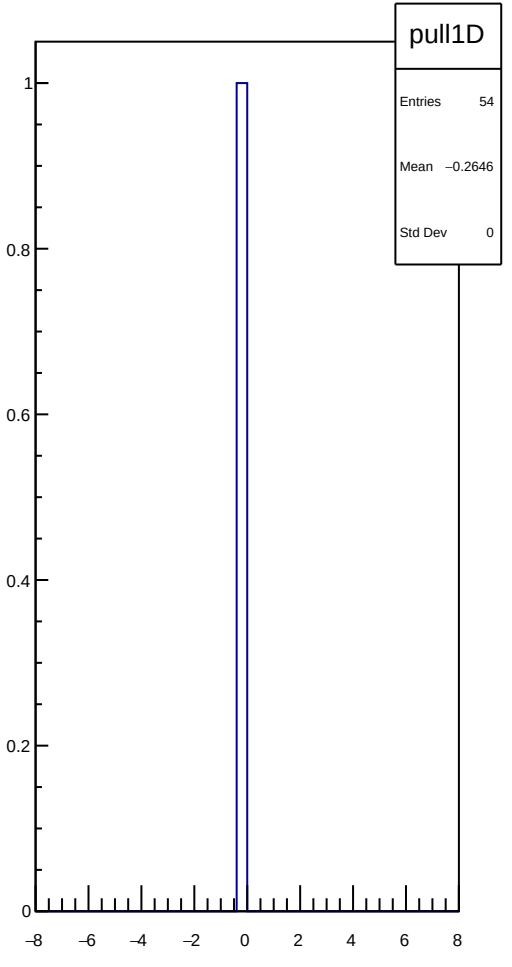

yield_usr_rms vs run
χ² / ndf 1.64e+05 / 53
p0 0.1497 ± 0.000158
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

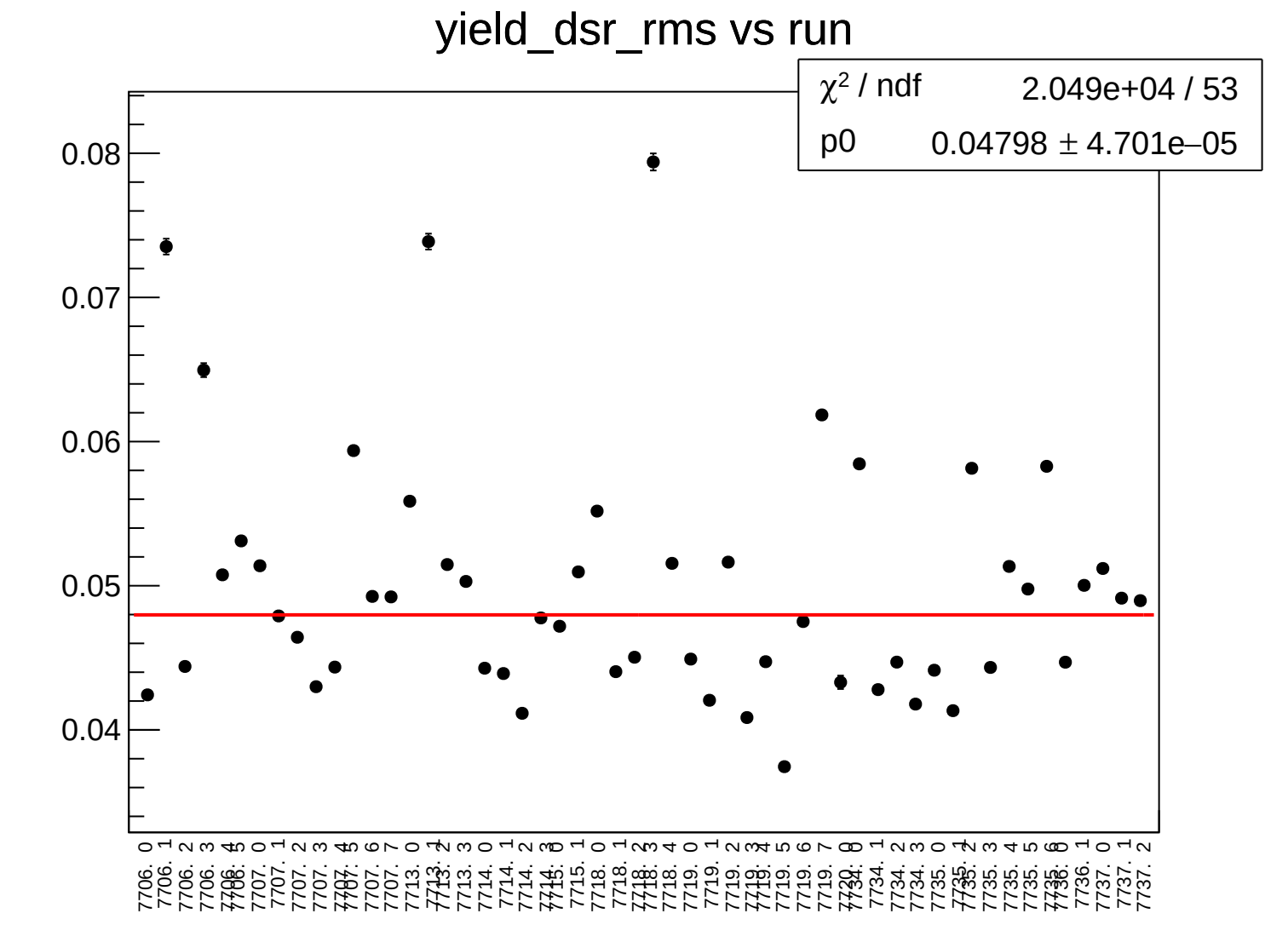

yield_dsl_mean vs run
χ² / ndf 4.169e+06 / 53
p0 −27.69 ± 7.062e−05
−27.5
−27.6
−27.7
−27.8
−27.9
pull
Entries 54
Mean 331.3
Std Dev 0
400
200
0
−200
−400

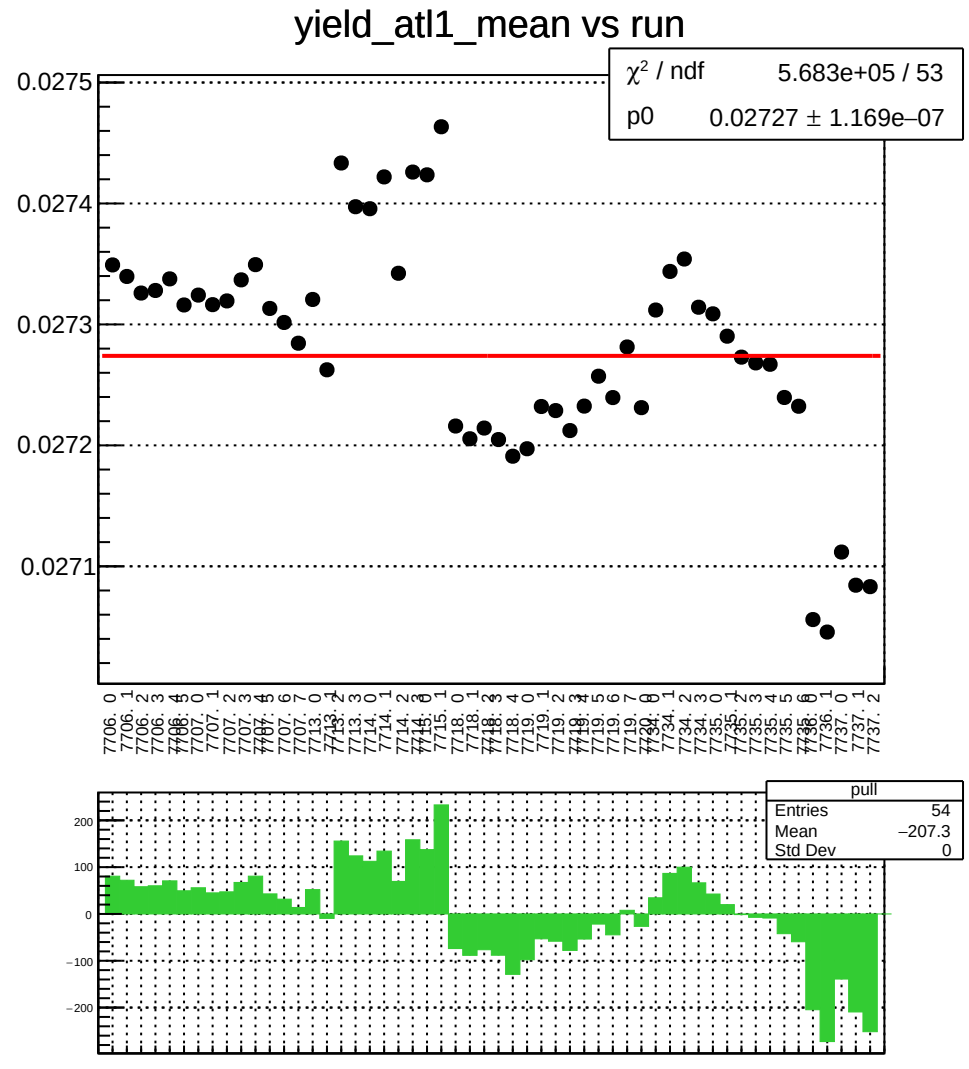

pull1D
Entries 54
Mean −2.579
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

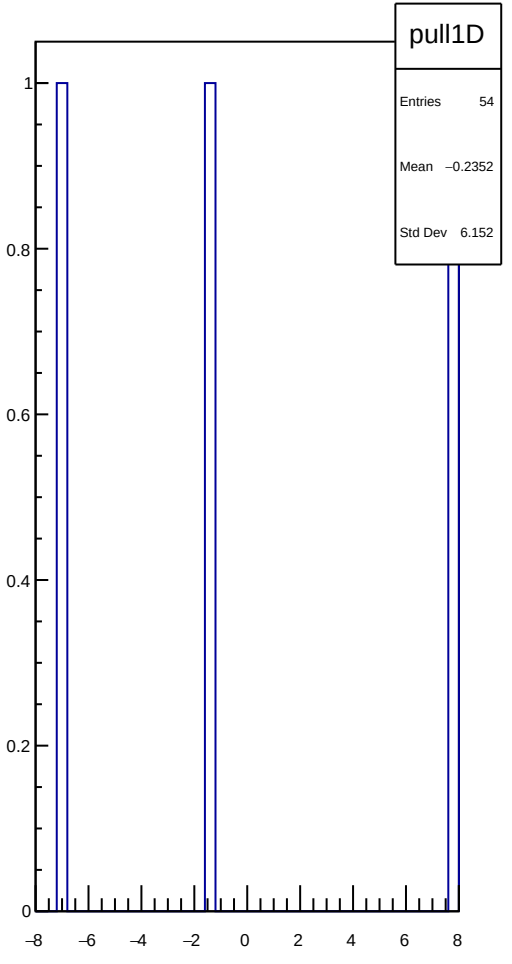

yield_dsl_rms vs run
χ² / ndf 2.298e+04 / 53
p0 0.0509 ± 4.994e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

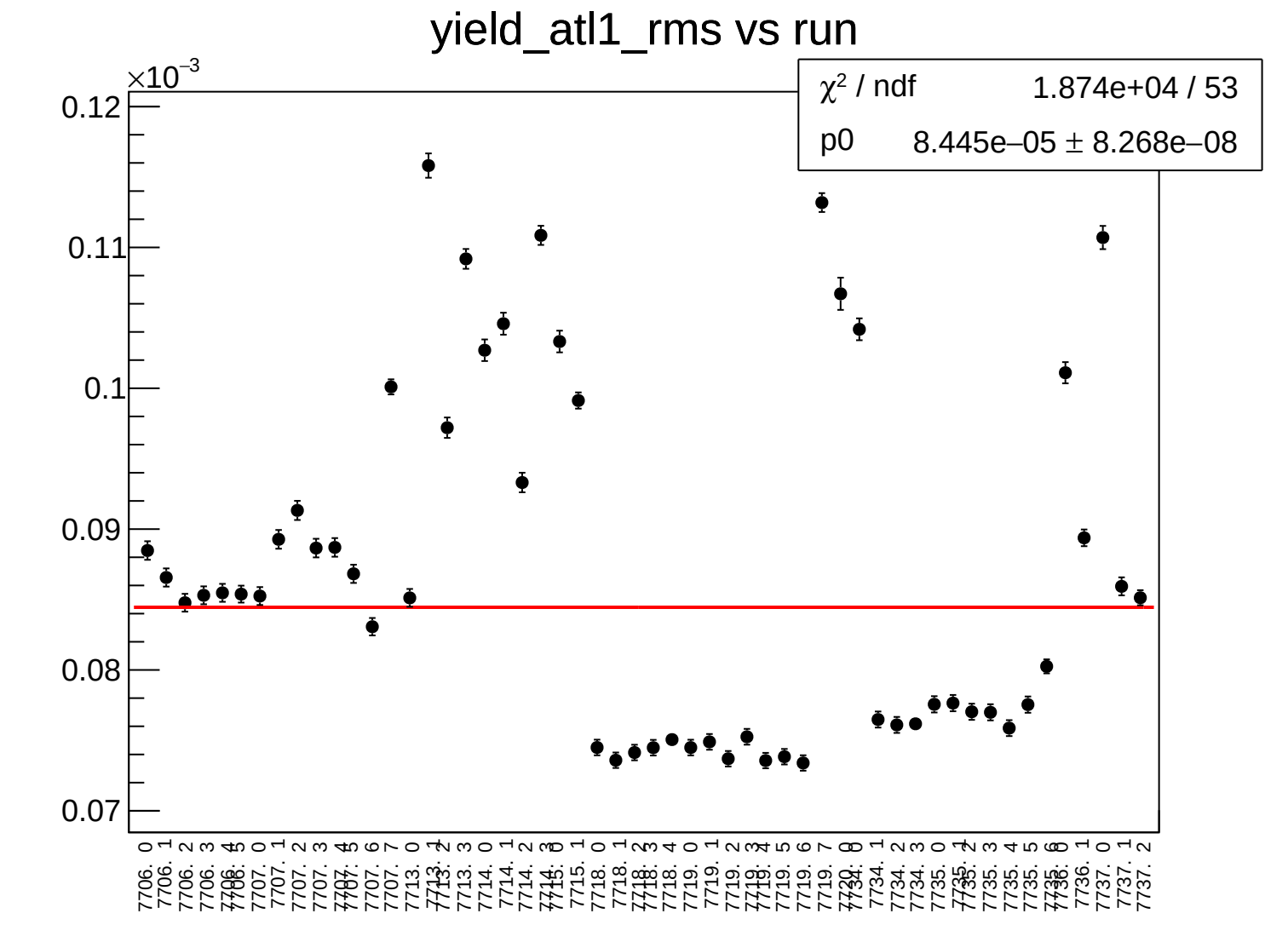

yield_dsr_mean vs run
χ² / ndf 1.61e+06 / 53
p0 −25.47 ± 6.649e−05
−25.3
−25.35
−25.4
−25.45
−25.5
−25.55
−25.6
pull
Entries 54
Mean −408.6
Std Dev 0
300
200
100
0
−100
−200
−300
−400

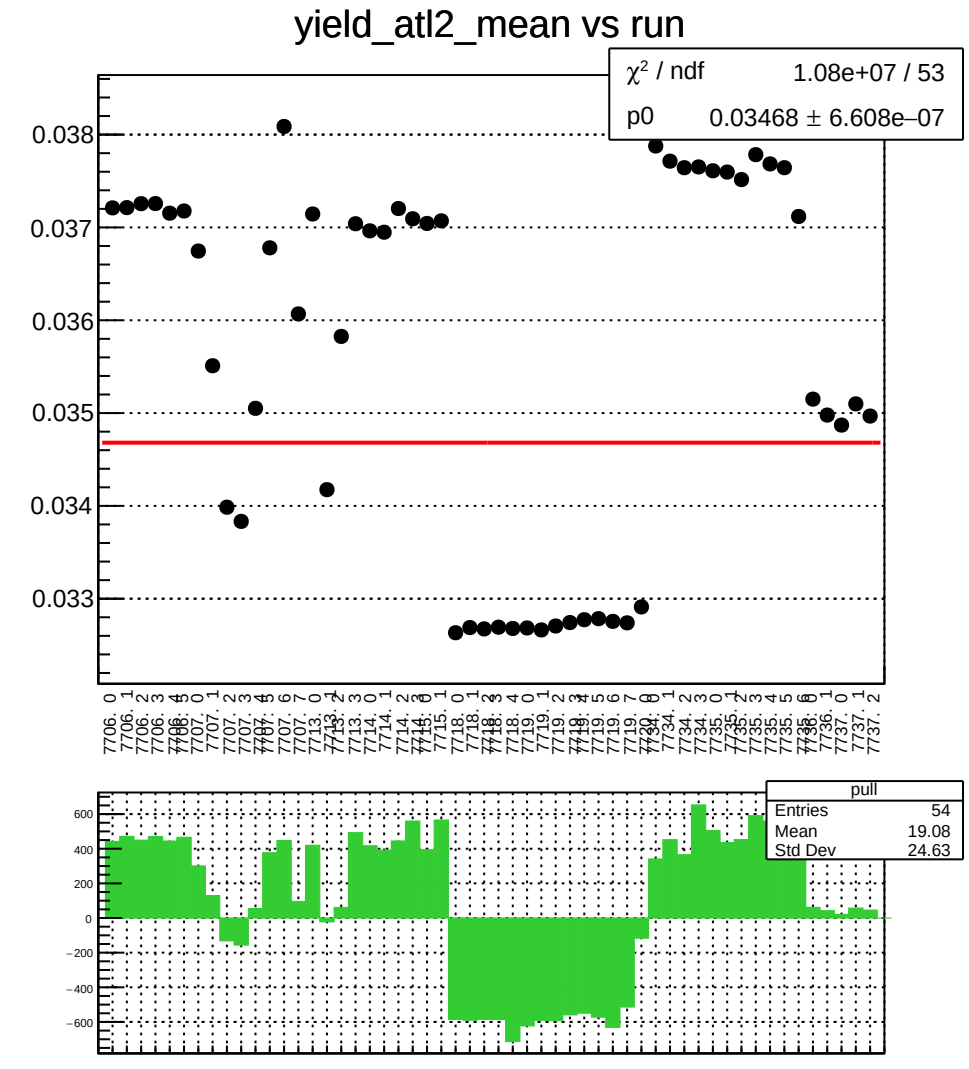

pull1D
Entries 54
Mean −0.2646
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

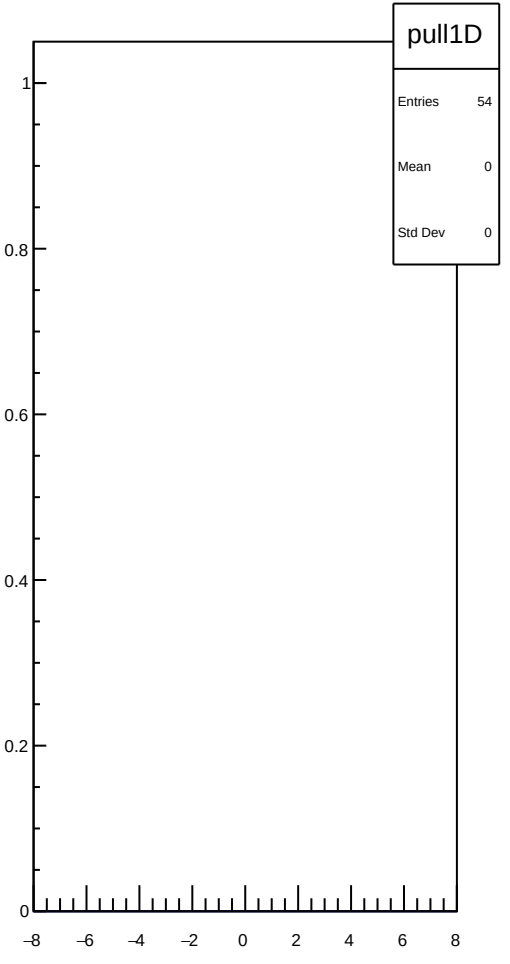

yield_dsr_rms vs run
χ² / ndf 2.049e+04 / 53
p0 0.04798 ± 4.701e−05
0.08
0.07
0.06
0.05
0.04

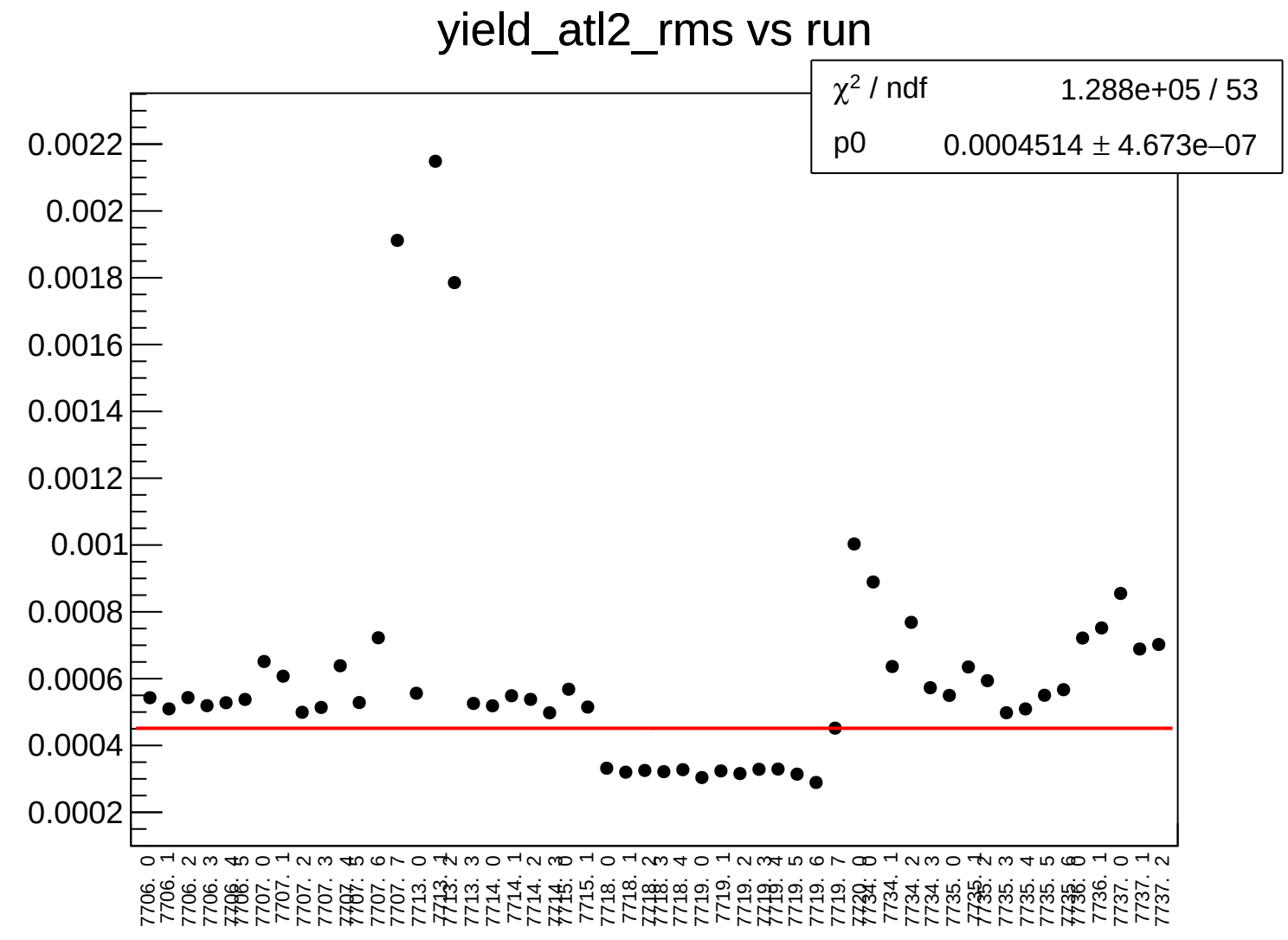

yield_atl1_mean vs run
χ² / ndf 5.683e+05 / 53
p0 0.02727 ± 1.169e−07
0.0275
0.0274
0.0273
0.0272
0.0271
pull
Entries 54
Mean −207.3
Std Dev 0
200
100
0
−100
−200

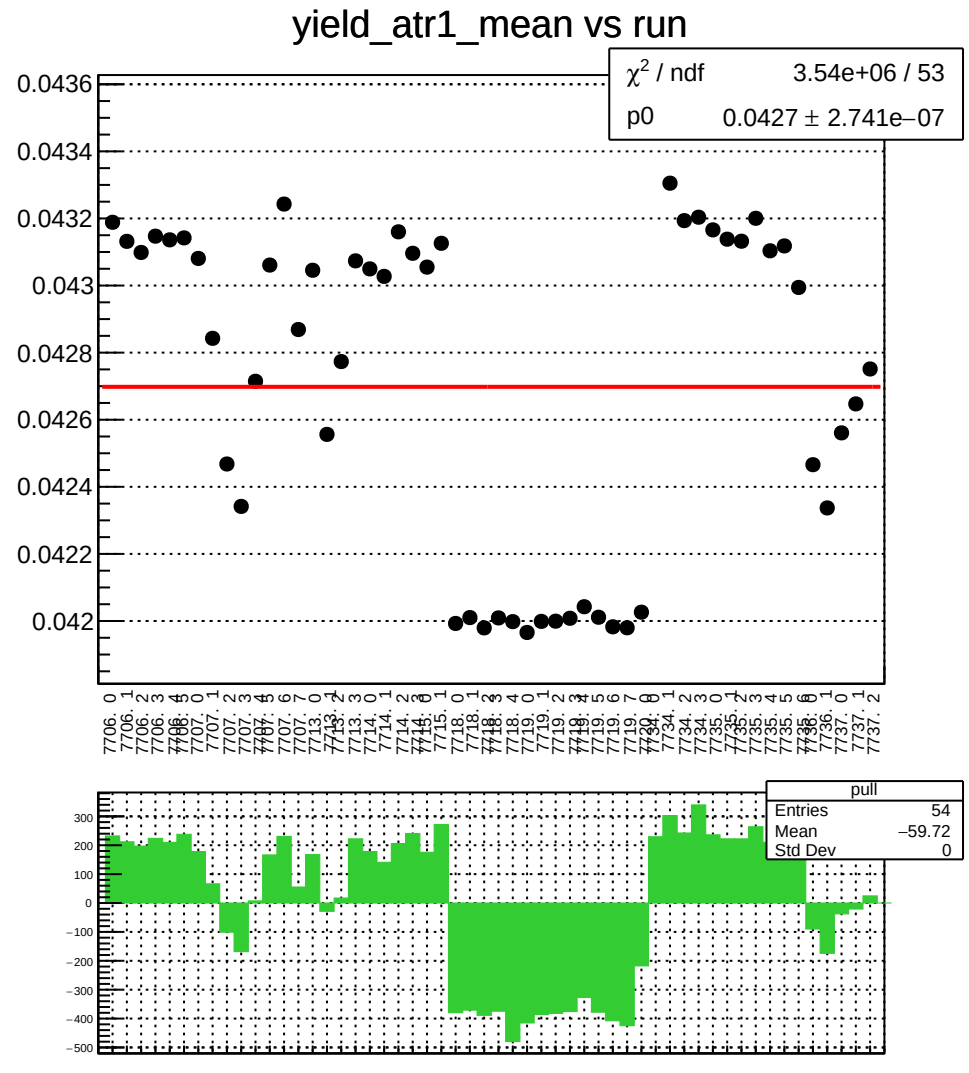

pull1D
Entries 54
Mean −0.2352
Std Dev 6.152
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

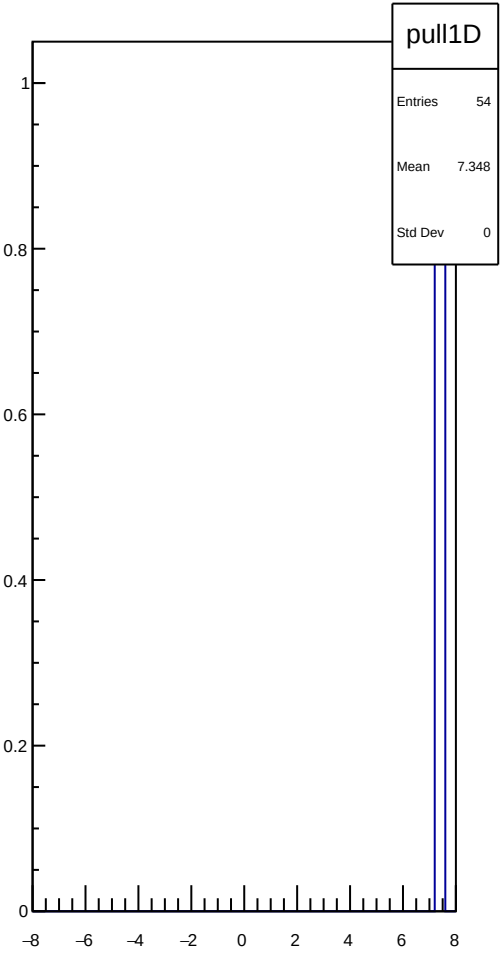

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.874e+04 / 53
p0 8.445e−05 ± 8.268e−08
0.12
0.11
0.1
0.09
0.08
0.07

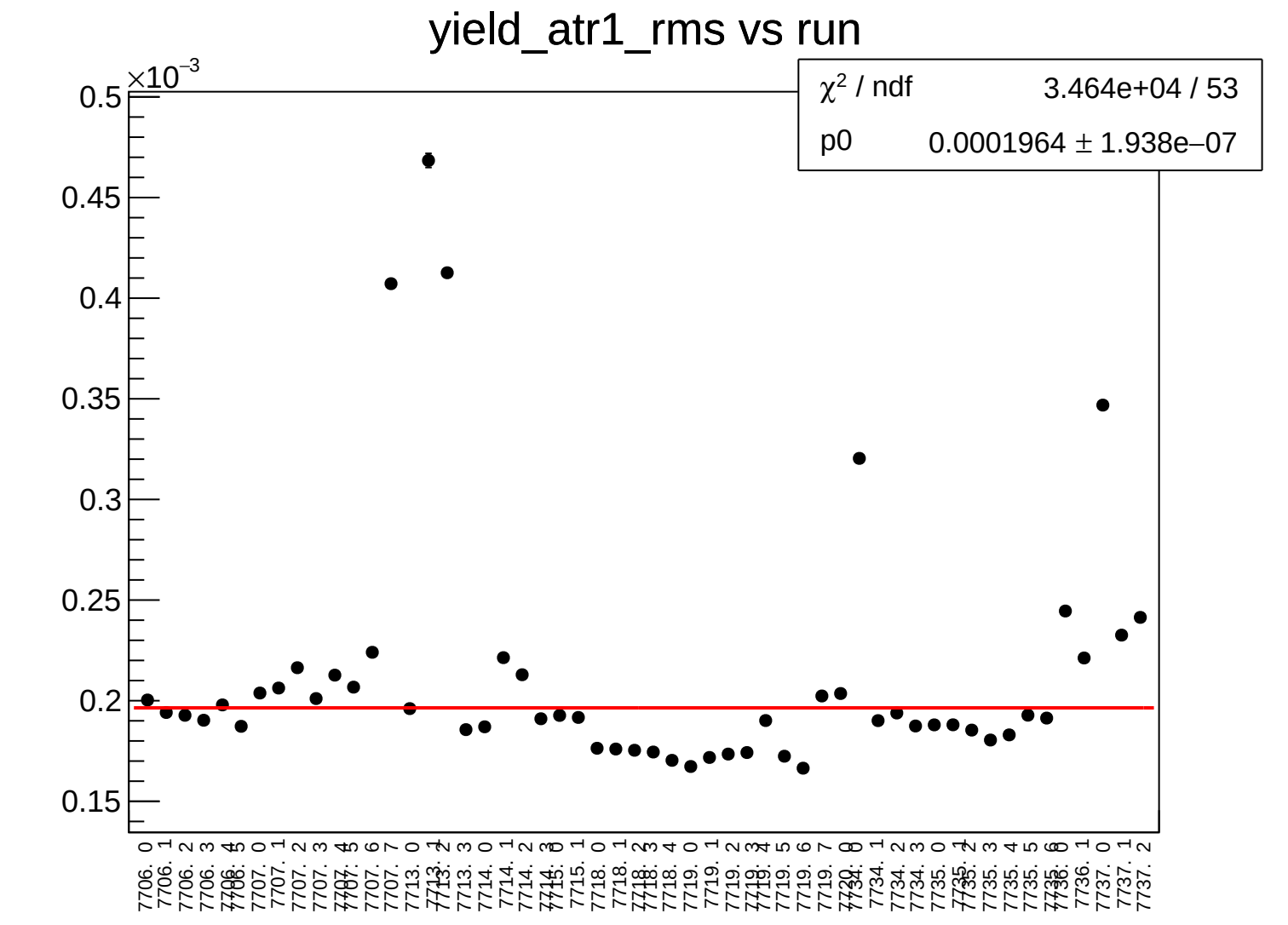

yield_atl2_mean vs run
χ² / ndf 1.08e+07 / 53
p0 0.03468 ± 6.608e−07
0.038
0.037
0.036
0.035
0.034
0.033
pull
Entries 54
Mean 19.08
Std Dev 24.63
600
400
200
0
−200
−400
−600

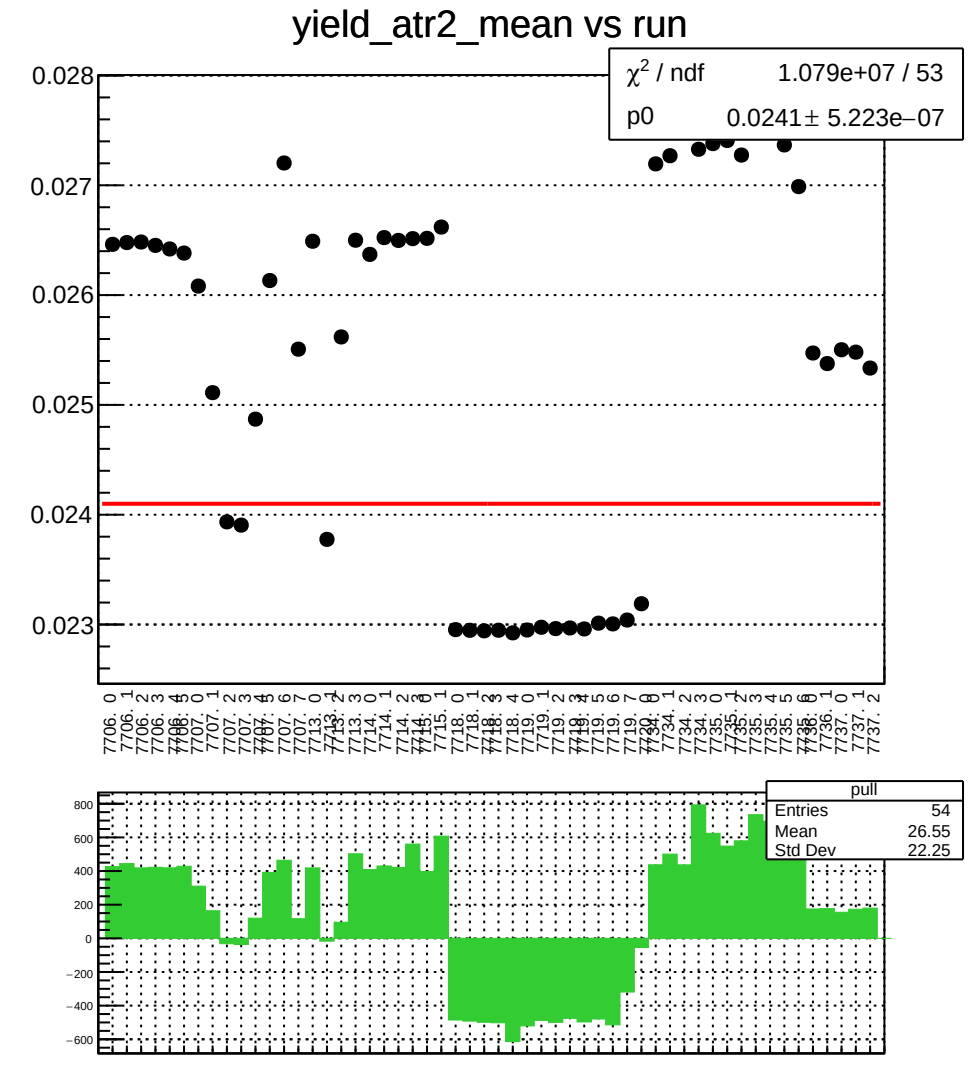

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

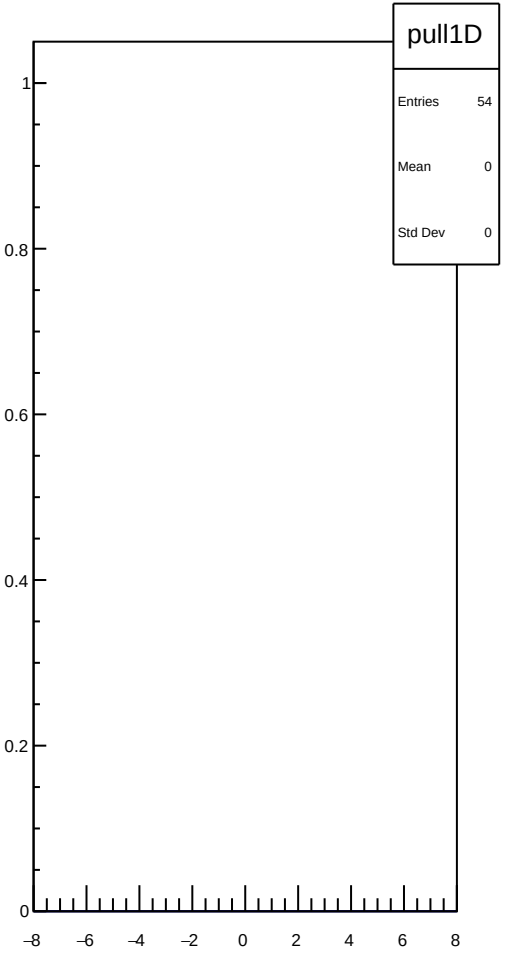

yield_atl2_rms vs run
χ² / ndf 1.288e+05 / 53
p0 0.0004514 ± 4.673e−07
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002

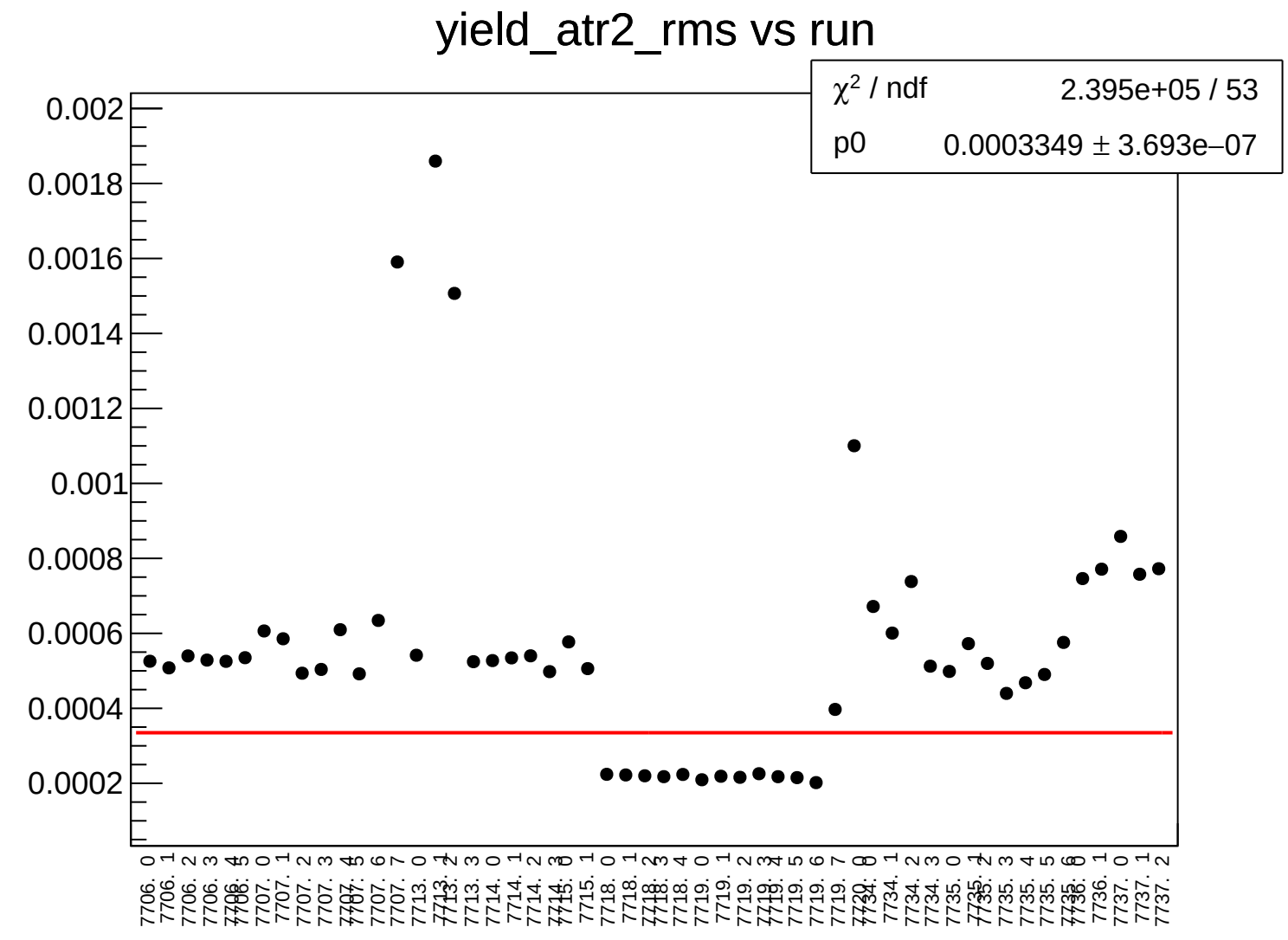

yield_atr1_mean vs run
χ² / ndf 3.54e+06 / 53
p0 0.0427 ± 2.741e−07
0.0436
0.0434
0.0432
0.043
0.0428
0.0426
0.0424
0.0422
0.042
pull
Entries 54
Mean −59.72
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

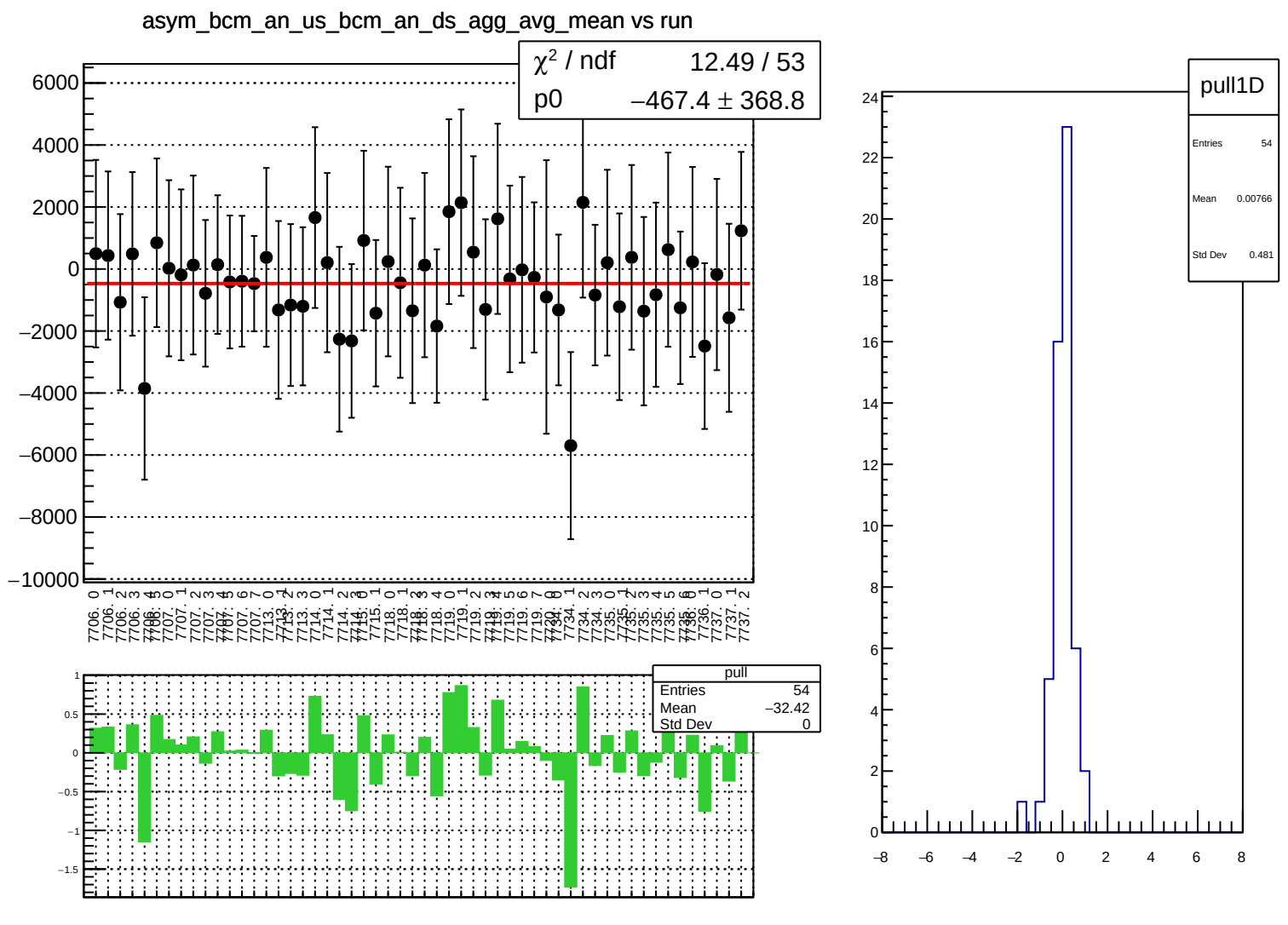

pull1D
Entries 54
Mean 7.348
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

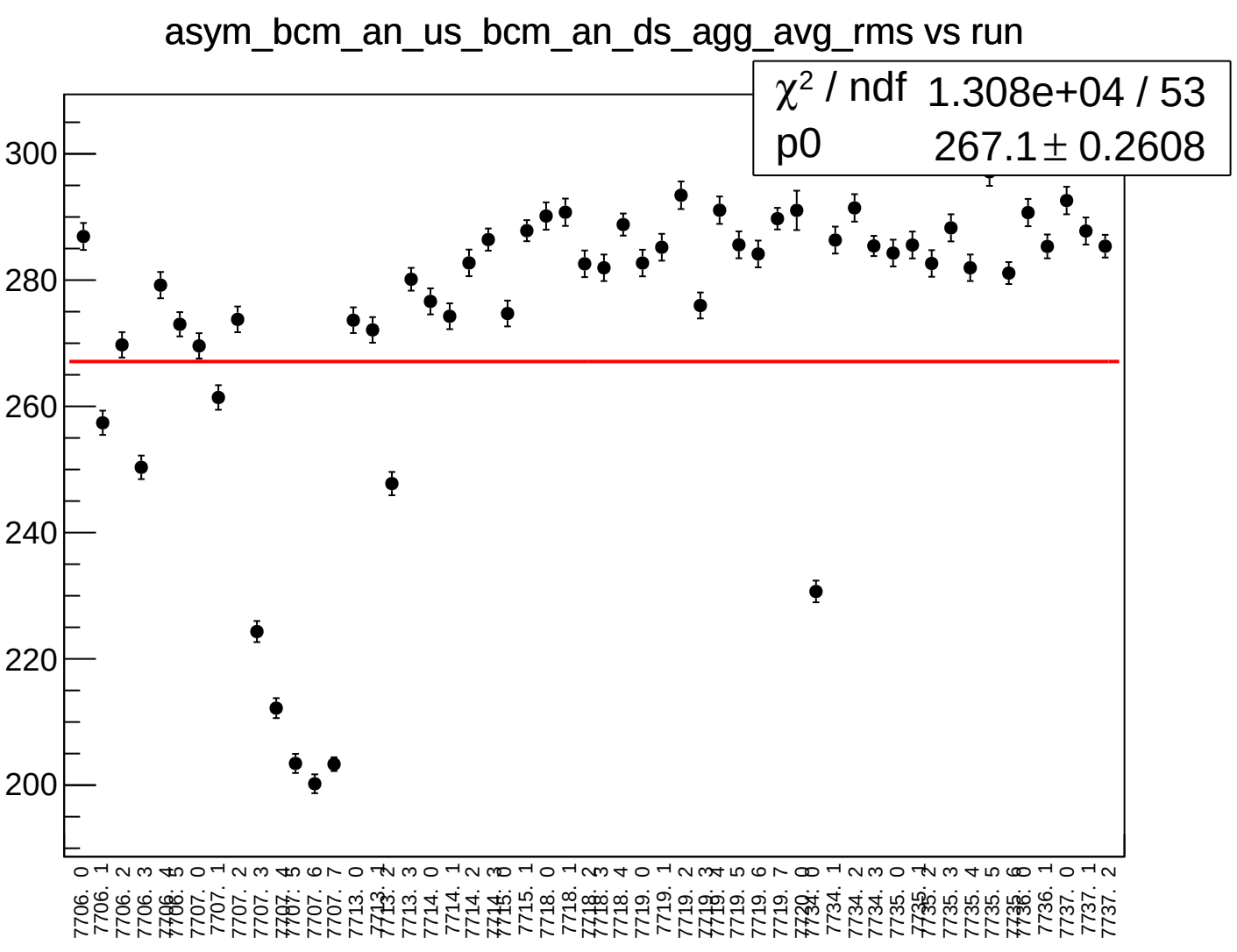

yield_atr1_rms vs run
×10⁻³
χ² / ndf 3.464e+04 / 53
p0 0.0001964 ± 1.938e−07
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

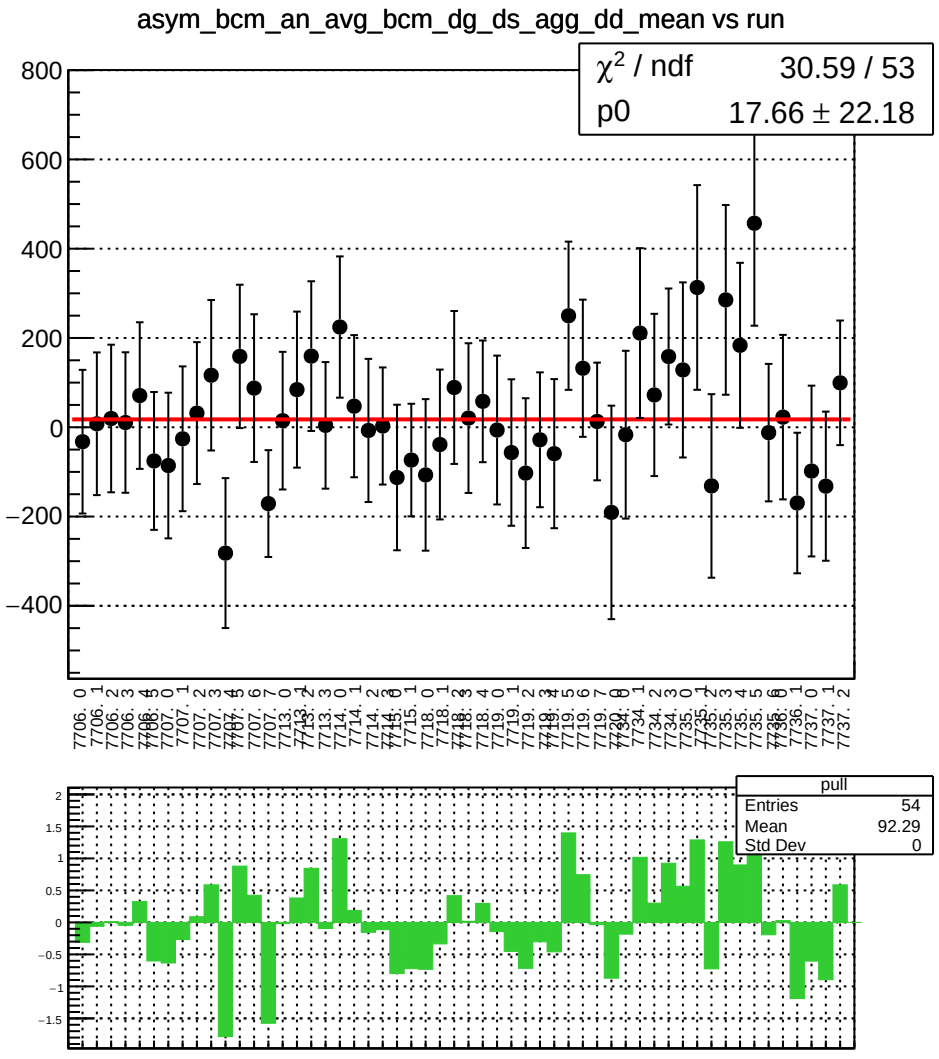

yield_atr2_mean vs run
χ² / ndf 1.079e+07 / 53
p0 0.0241 ± 5.223e−07
0.028
0.027
0.026
0.025
0.024
0.023
pull
Entries 54
Mean 26.55
Std Dev 22.25
800
600
400
200
0
−200
−400
−600

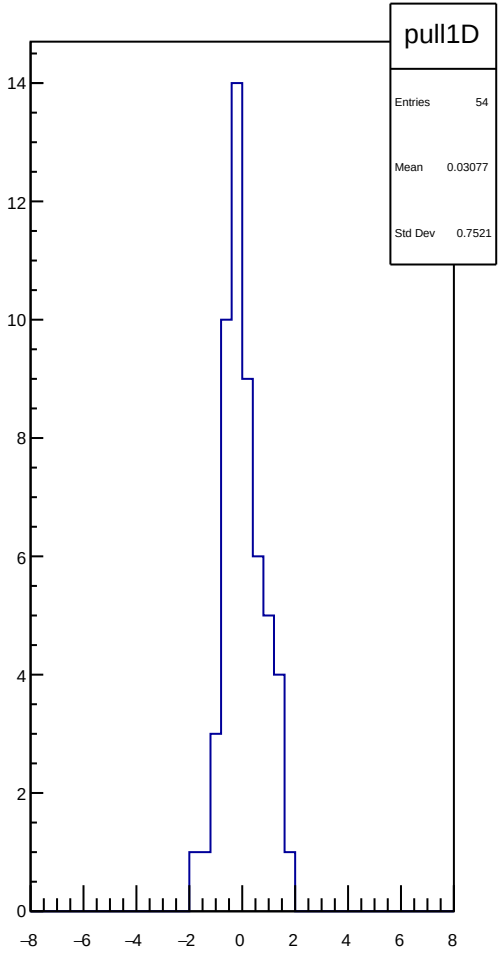

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

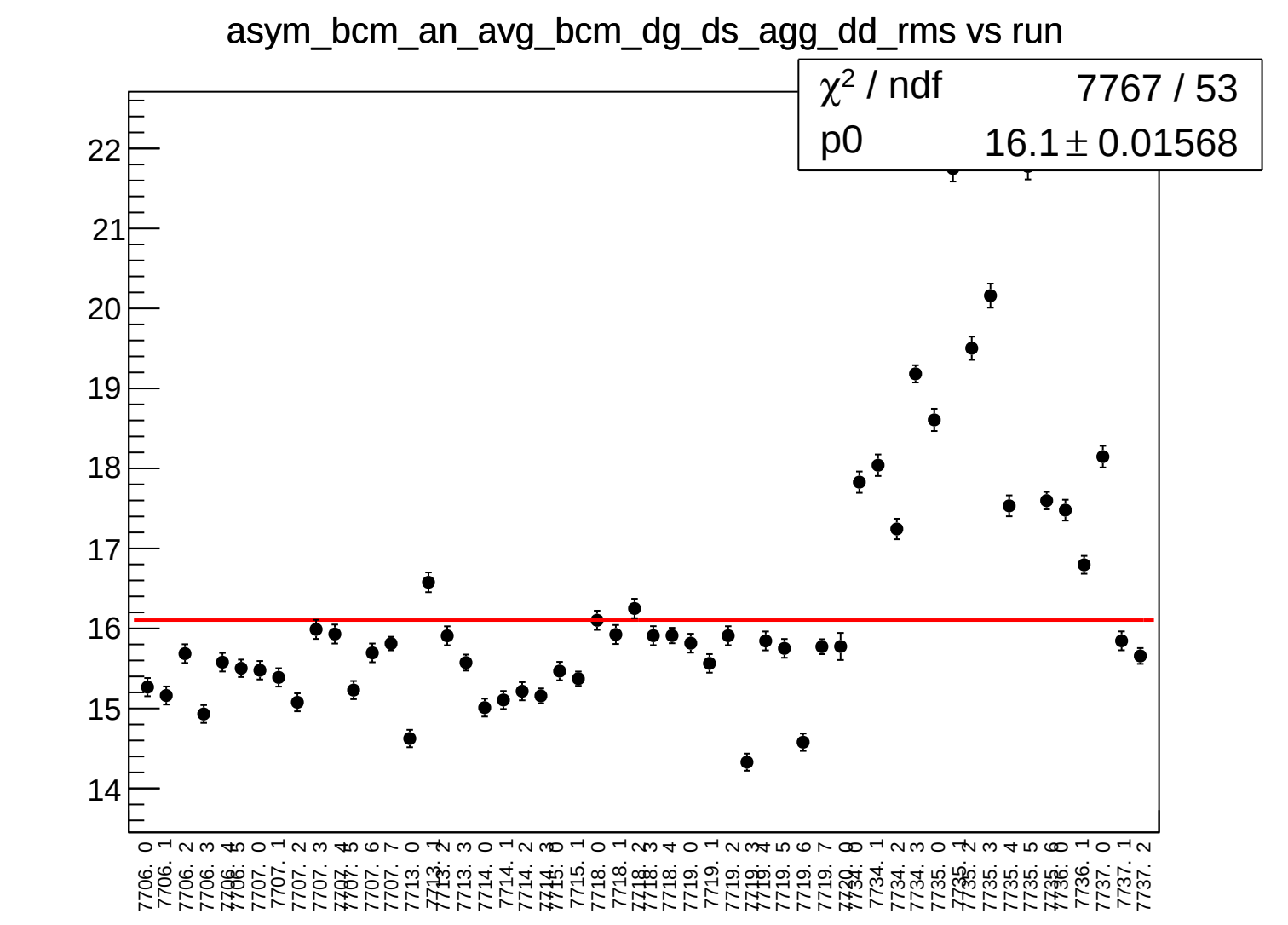

yield_atr2_rms vs run
χ² / ndf 2.395e+05 / 53
p0 0.0003349 ± 3.693e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002

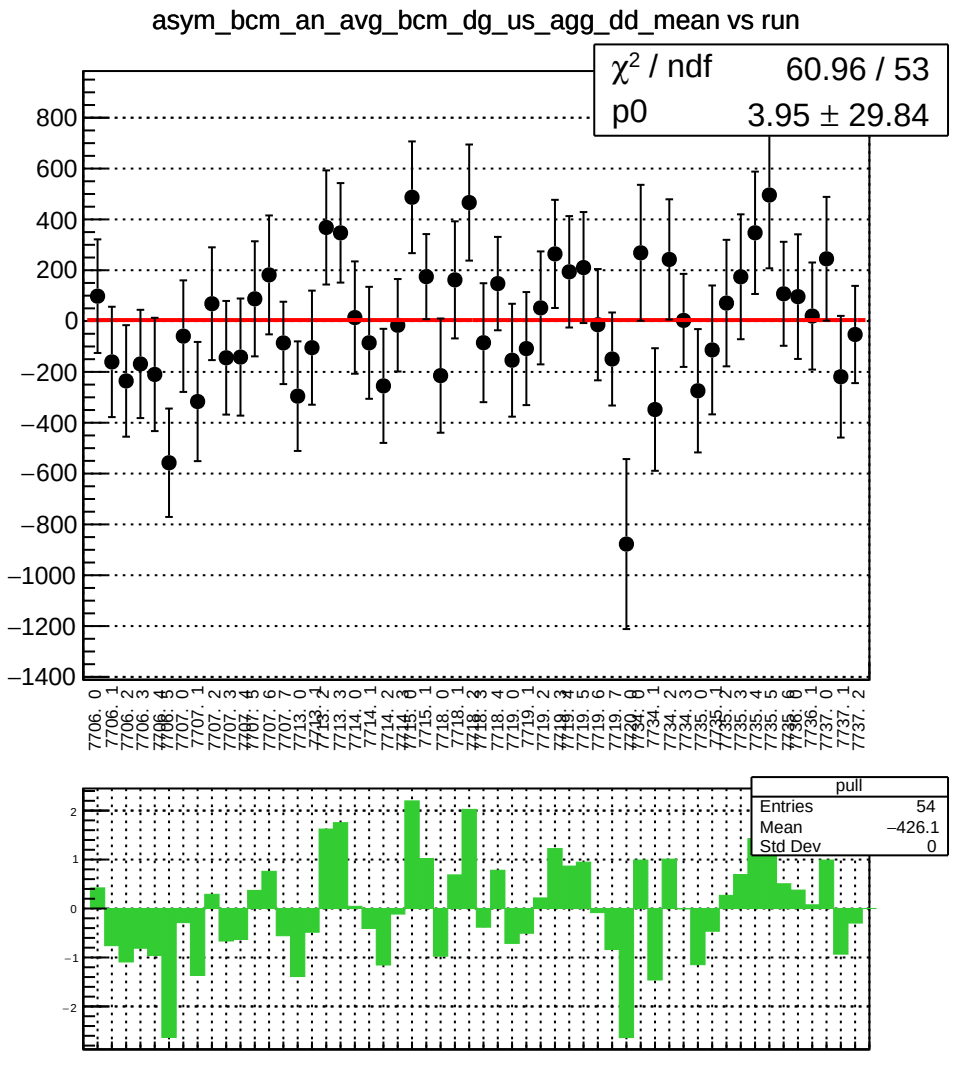

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.49 / 53
p0 −467.4 ± 368.8
pull
Entries 54
Mean −32.42
Std Dev 0
pull1D
Entries 54
Mean 0.00766
Std Dev 0.481

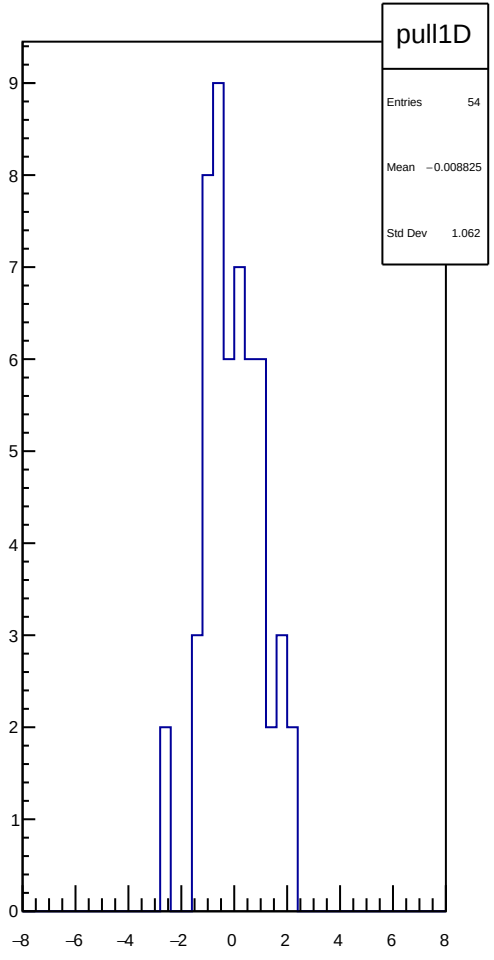

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.308e+04 / 53
p0 267.1 ± 0.2608
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

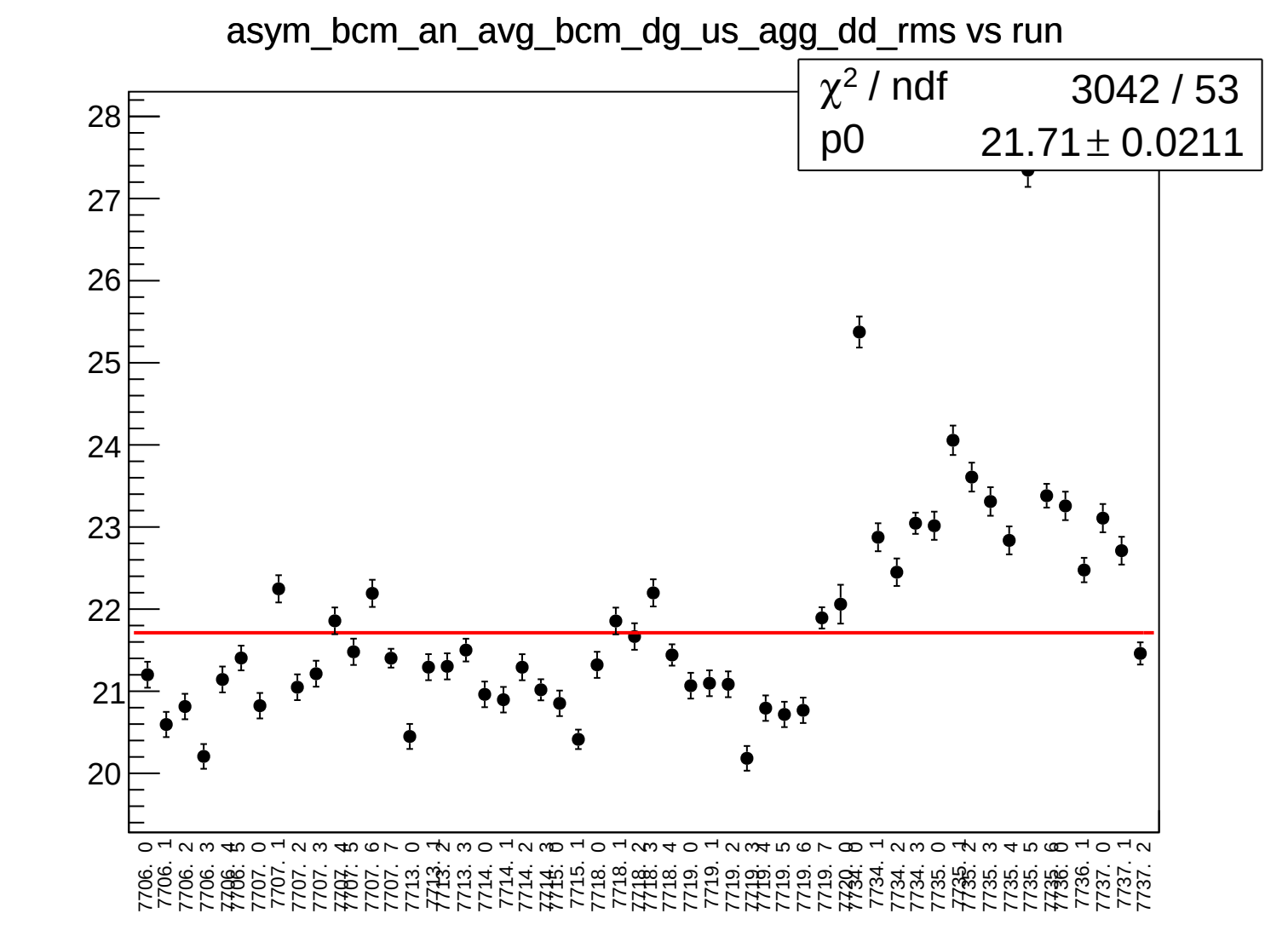

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 30.59 / 53
p0 17.66 ± 22.18
pull
Entries 54
Mean 92.29
Std Dev 0

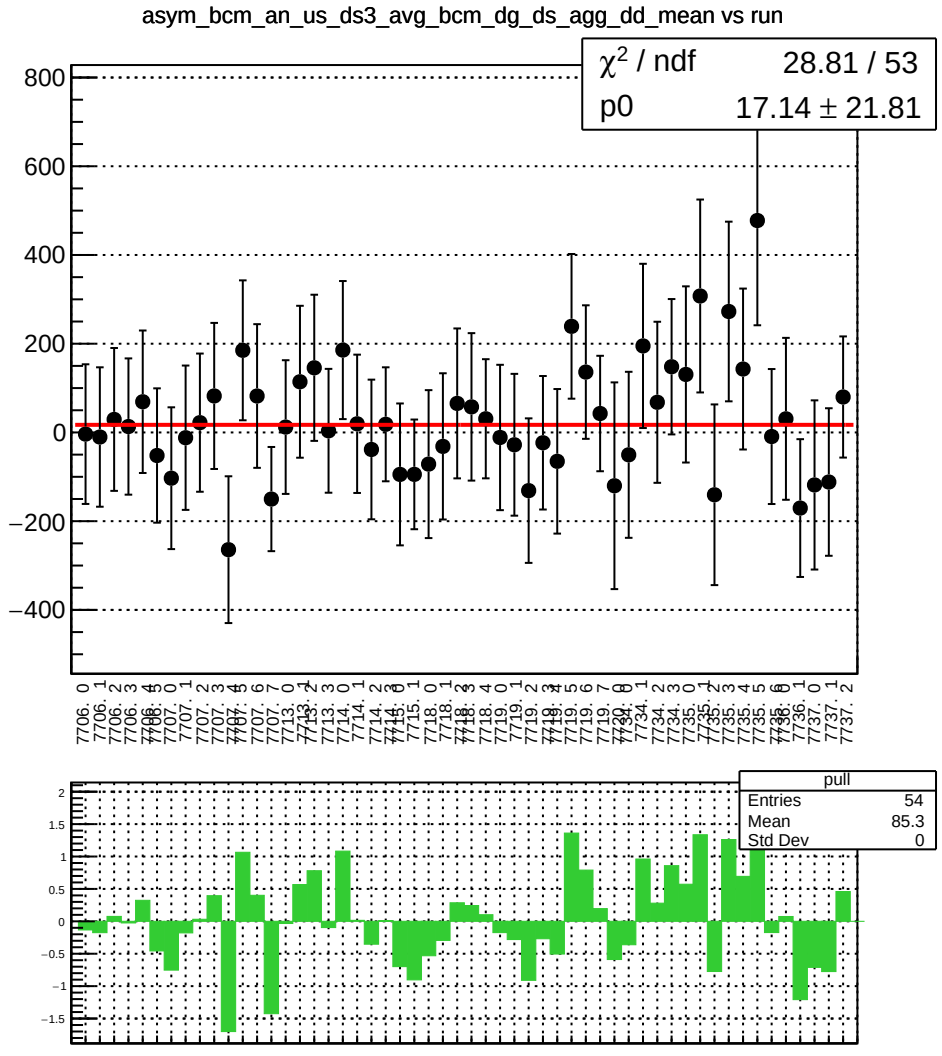

pull1D
Entries 54
Mean 0.03077
Std Dev 0.7521

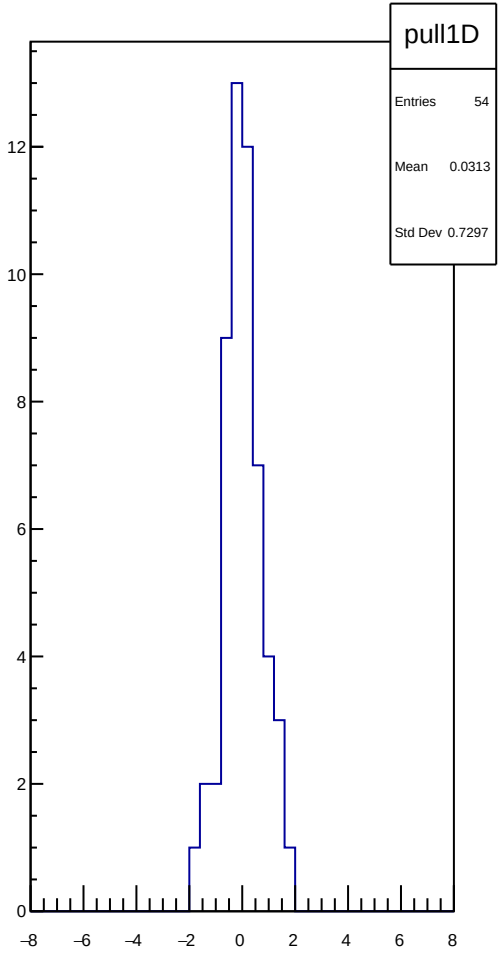

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7767 / 53
p0 16.1 ± 0.01568
22
21
20
19
18
17
16
15
14

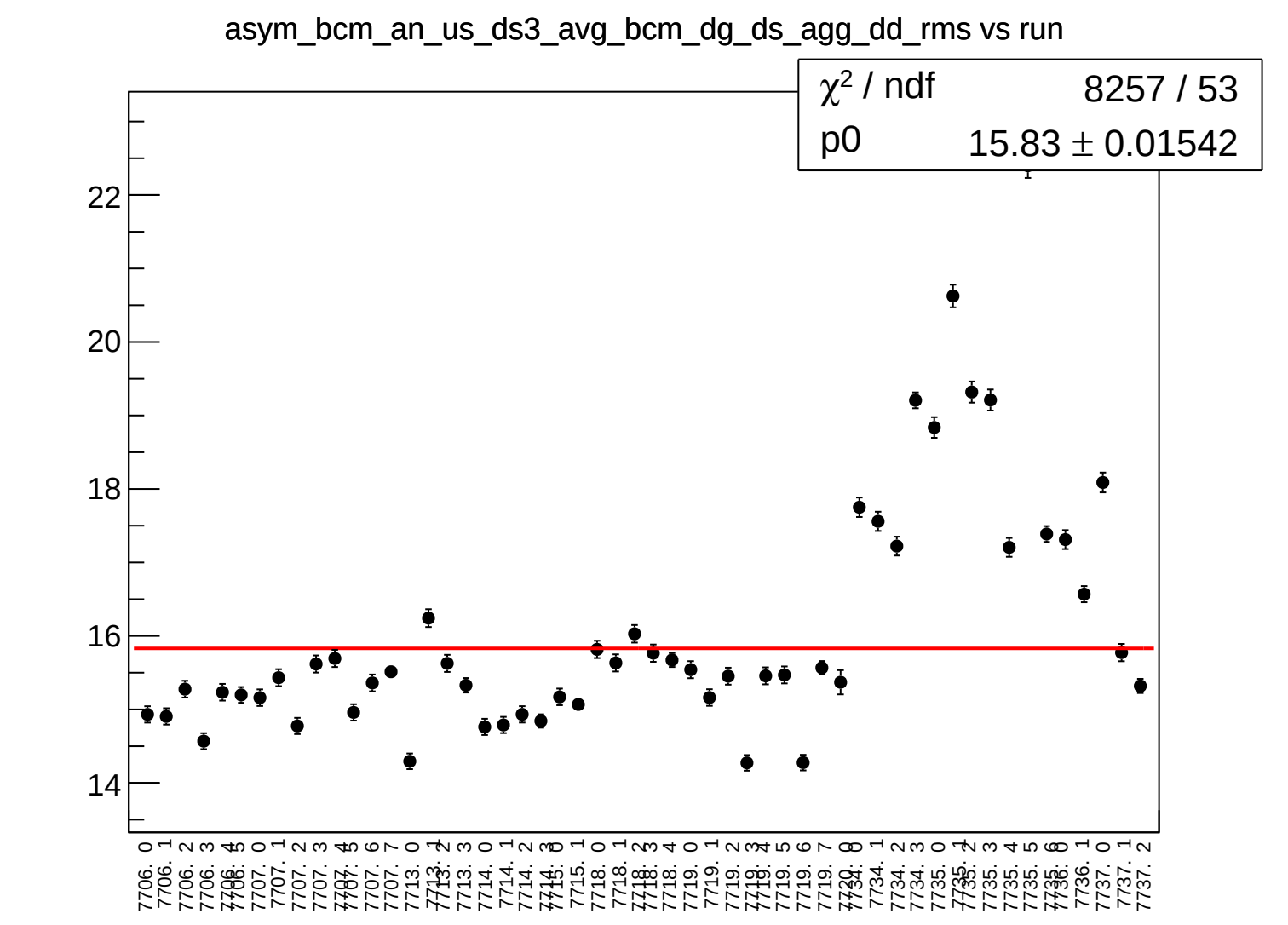

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 60.96 / 53
p0 3.95 ± 29.84
pull
Entries 54
Mean −426.1
Std Dev 0

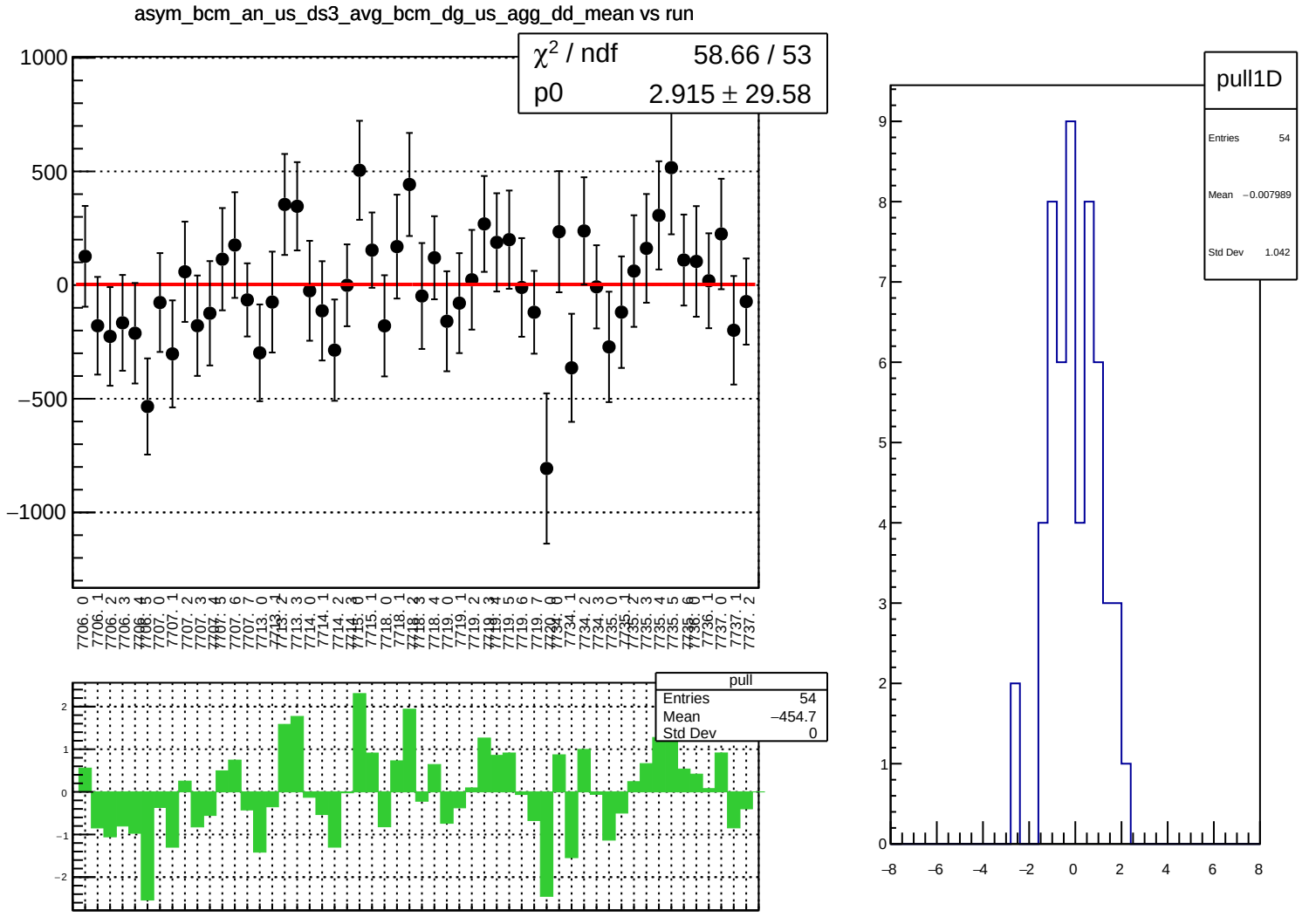

pull1D
Entries 54
Mean −0.008825
Std Dev 1.062

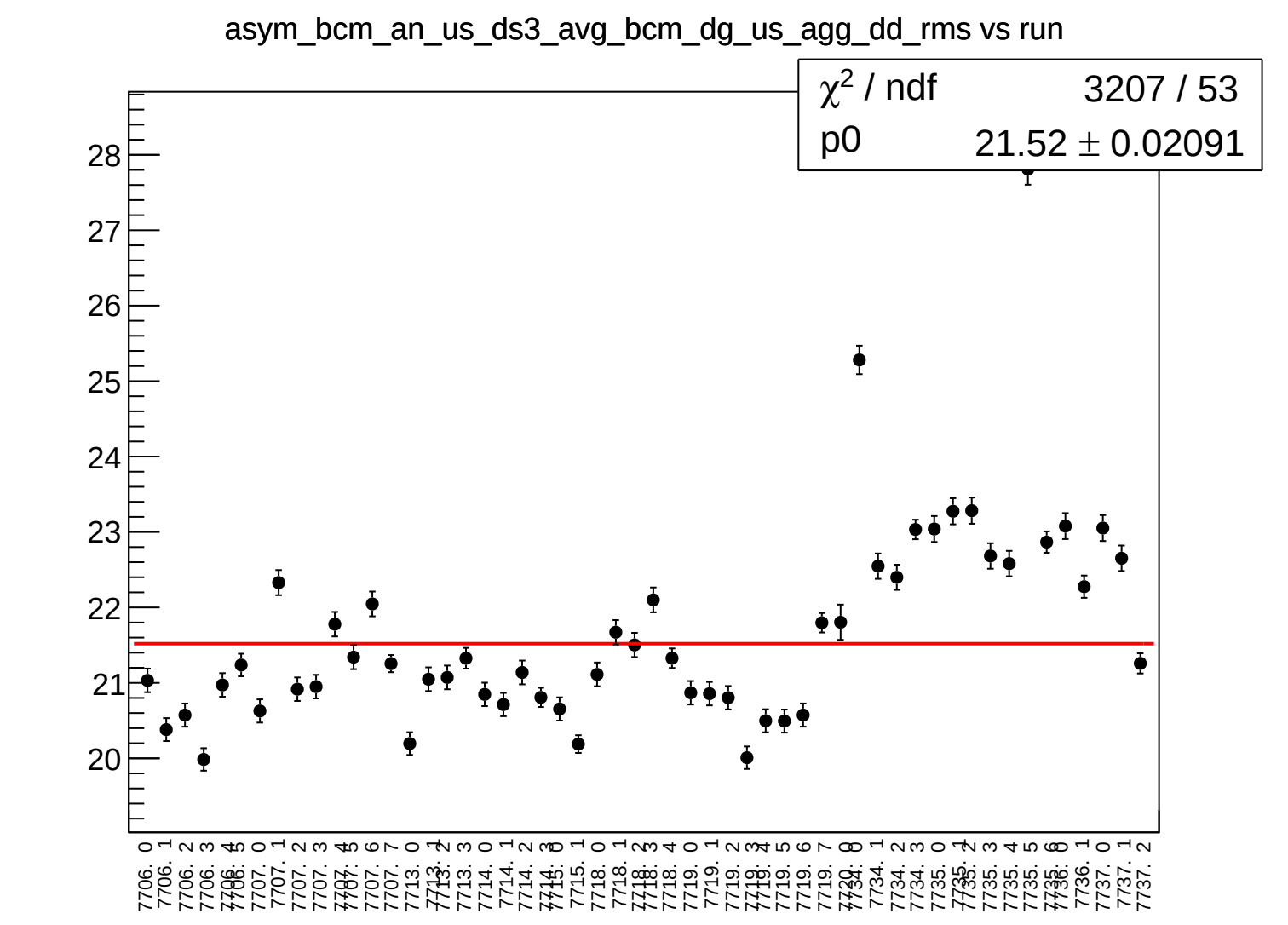

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 3042 / 53
p0 21.71 ± 0.0211
28
27
26
25
24
23
22
21
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

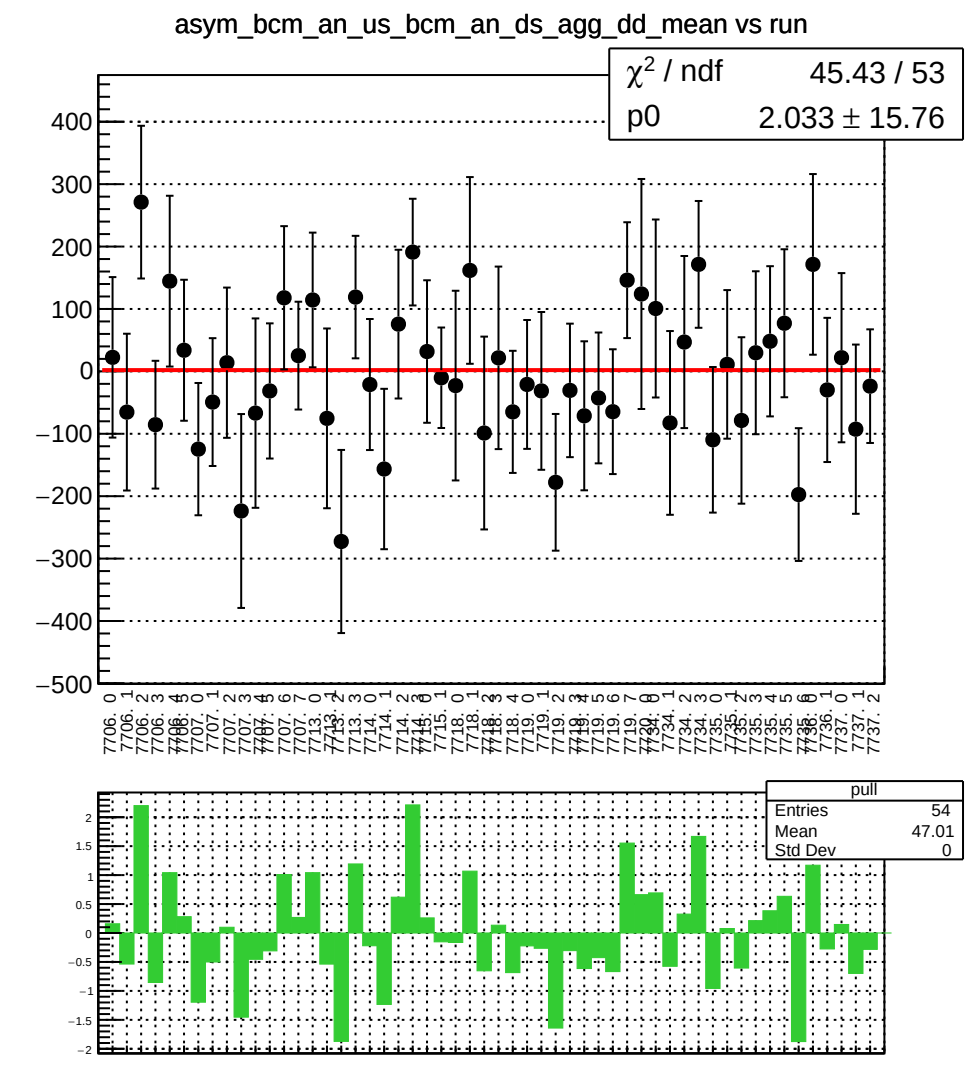

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 28.81 / 53
p0 17.14 ± 21.81
pull
Entries 54
Mean 85.3
Std Dev 0

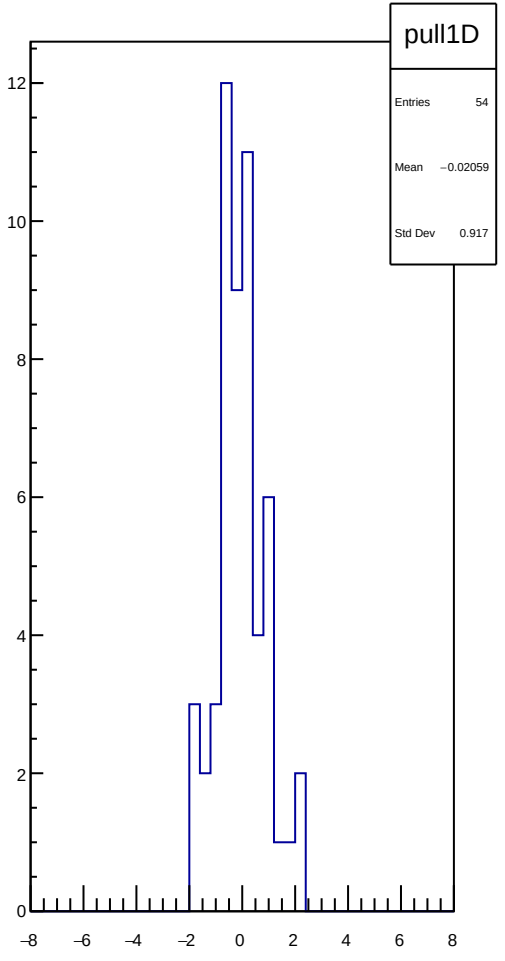

pull1D
Entries 54
Mean 0.0313
Std Dev 0.7297

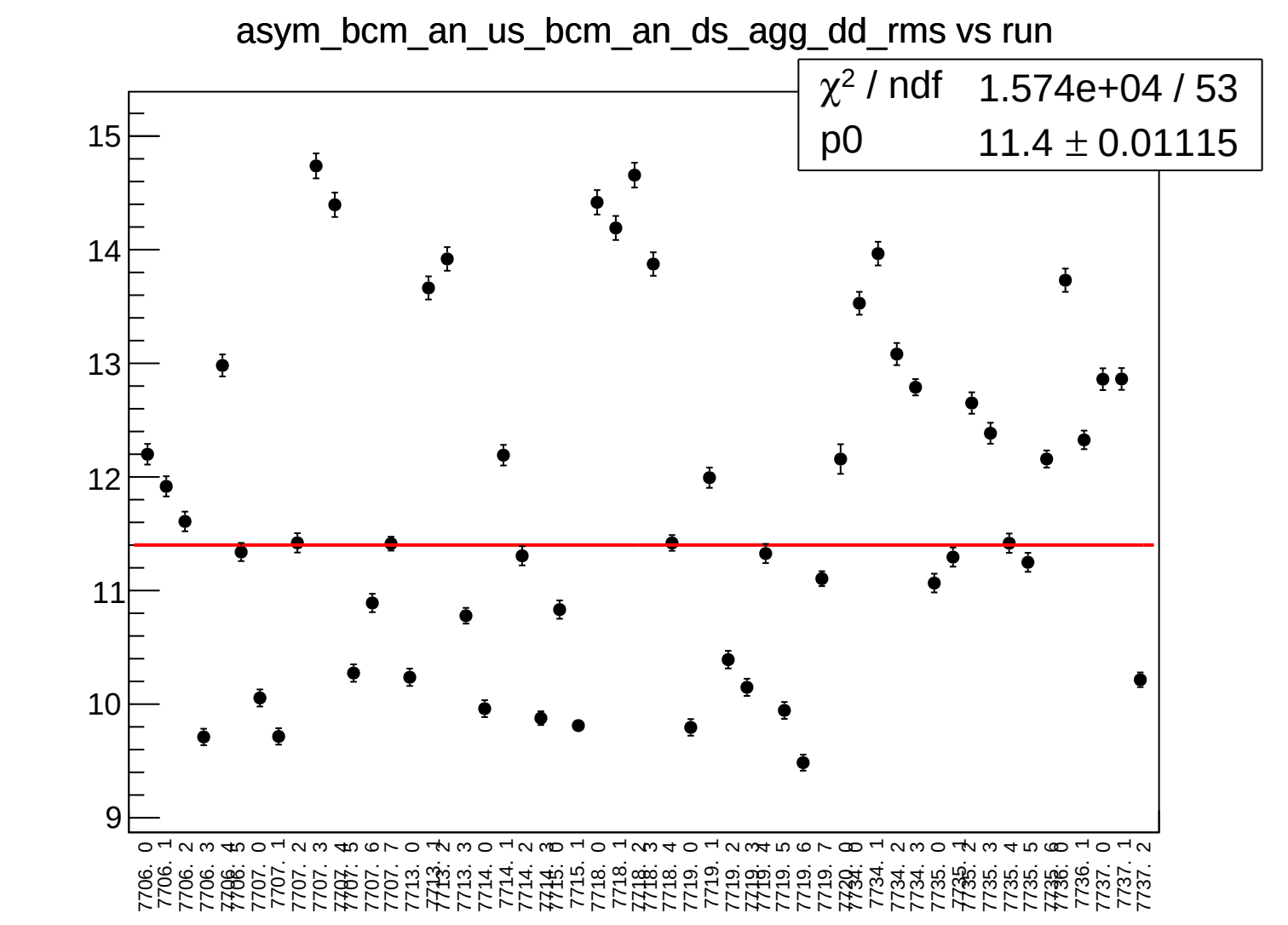

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 8257 / 53
p0 15.83 ± 0.01542
22
20
18
16
14
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

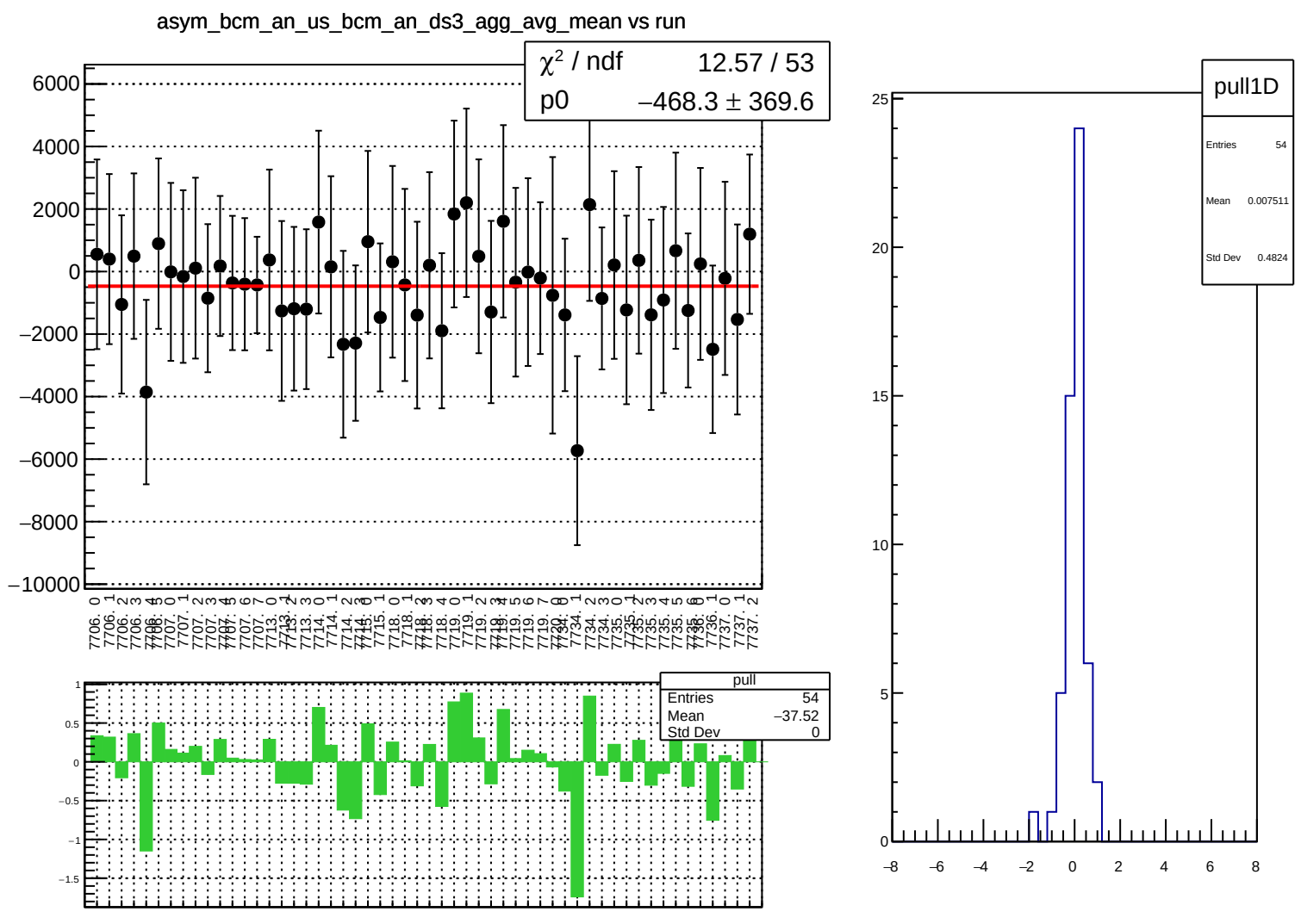

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 58.66 / 53
p0 2.915 ± 29.58
1000
500
0
−500
−1000
pull
Entries 54
Mean −454.7
Std Dev 0
pull1D
Entries 54
Mean −0.007989
Std Dev 1.042

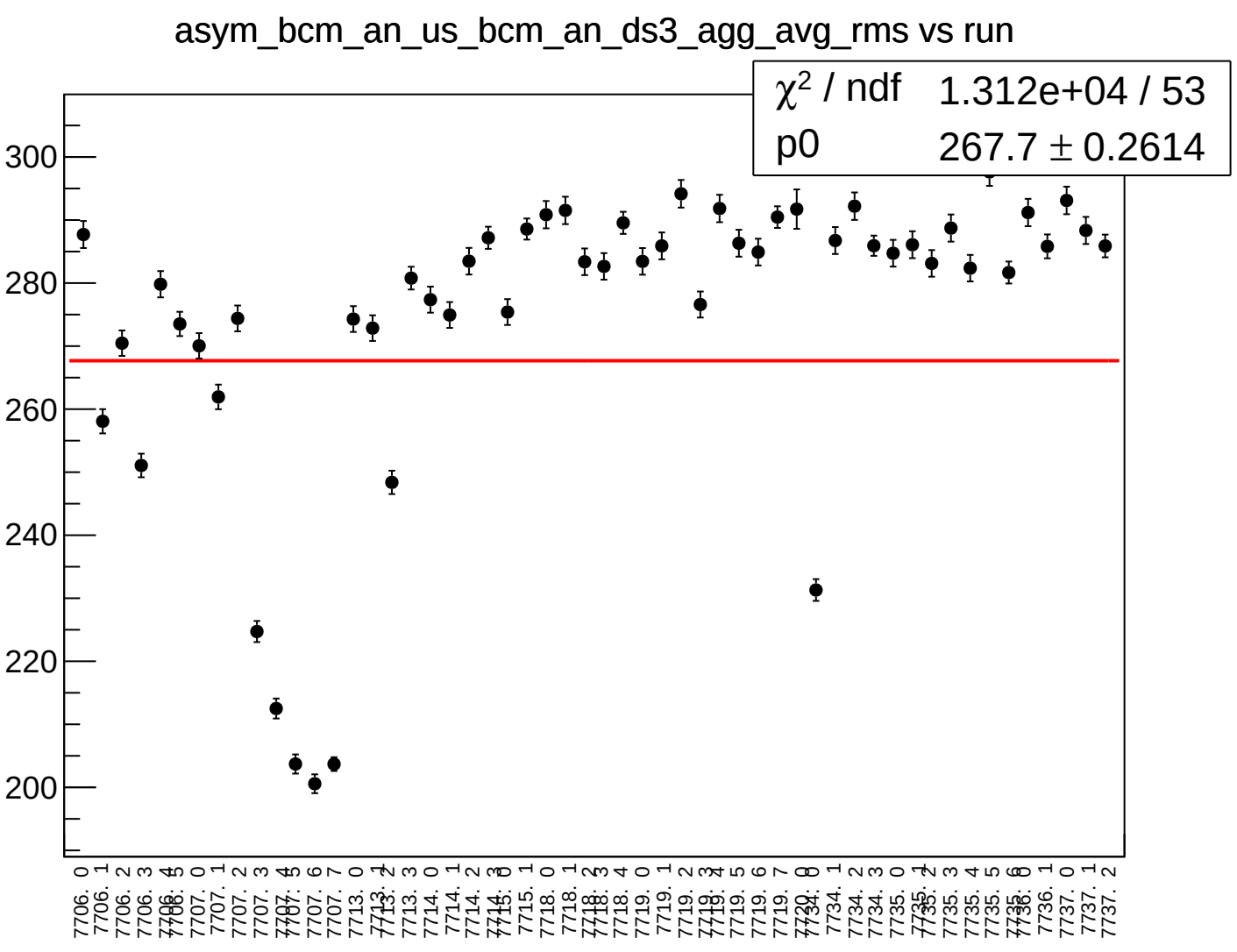

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 3207 / 53
p0 21.52 ± 0.02091
28
27
26
25
24
23
22
21
20

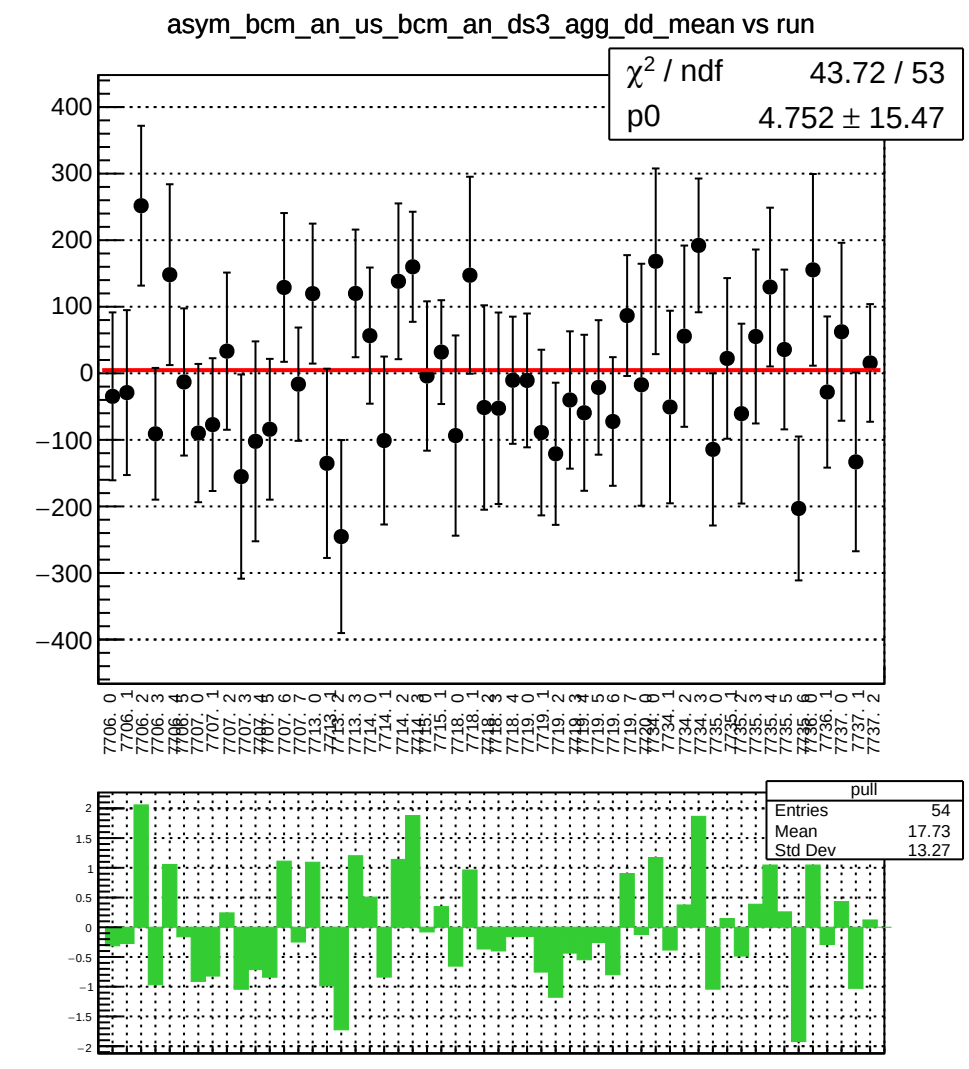

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 45.43 / 53
p0 2.033 ± 15.76
pull
Entries 54
Mean 47.01
Std Dev 0

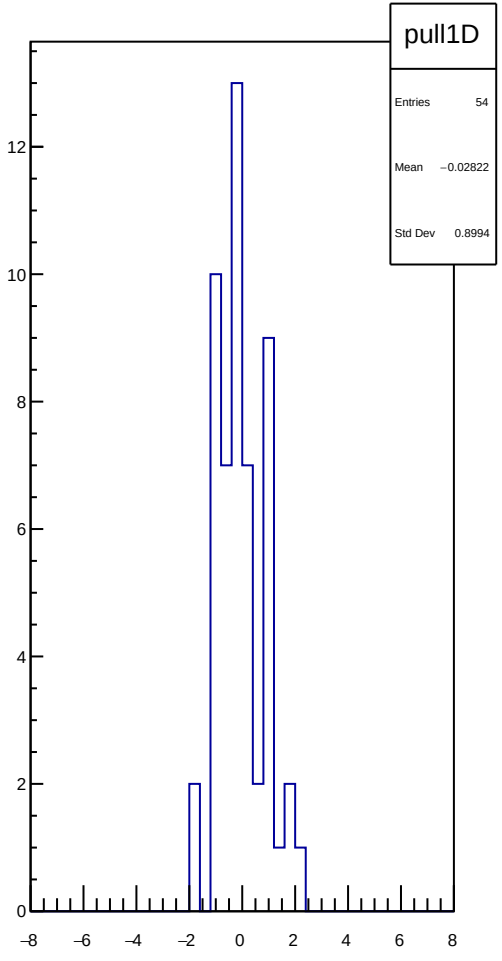

pull1D
Entries 54
Mean −0.02059
Std Dev 0.917

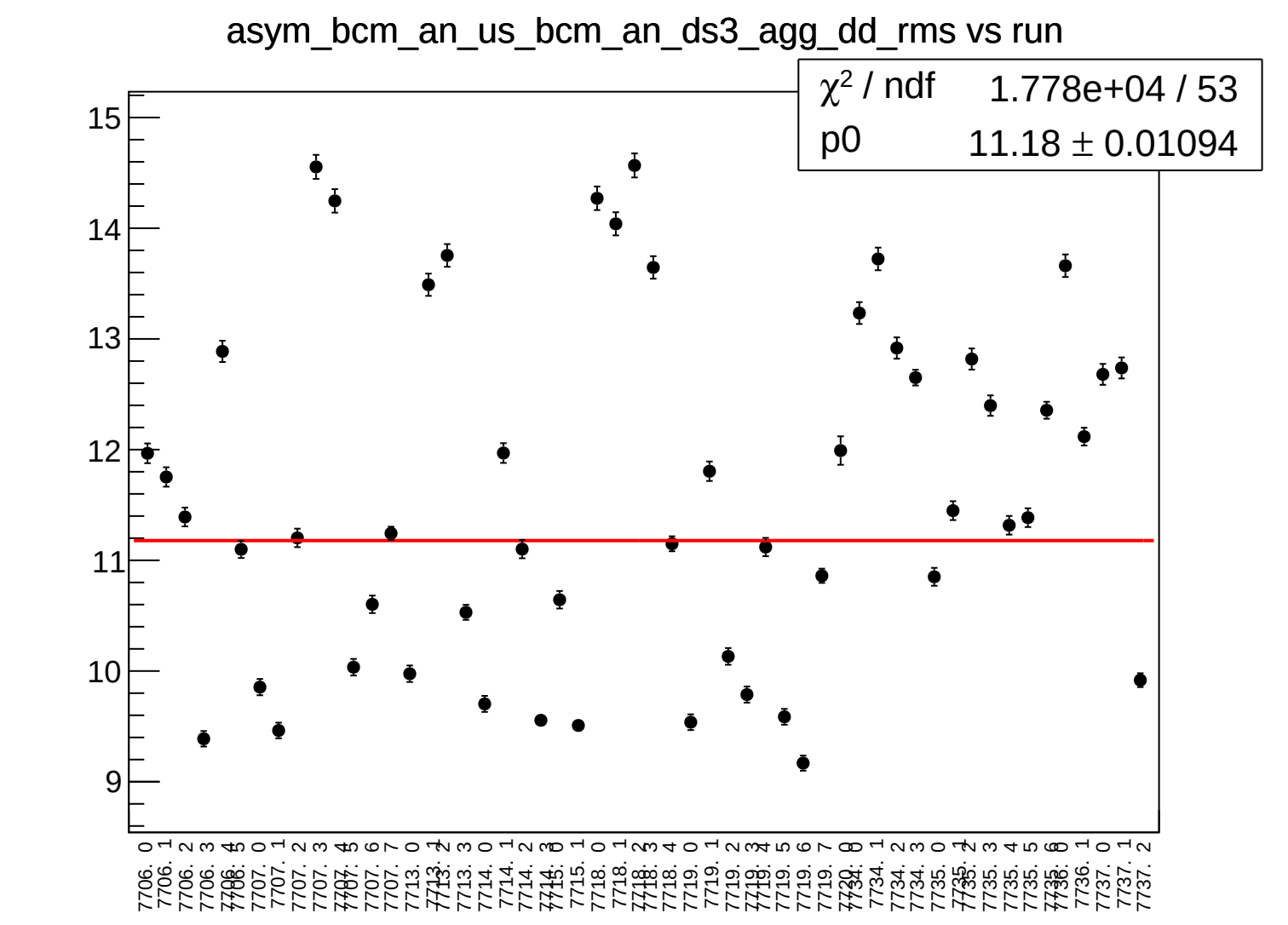

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.574e+04 / 53
p0 11.4 ± 0.01115
15
14
13
12
11
10
9

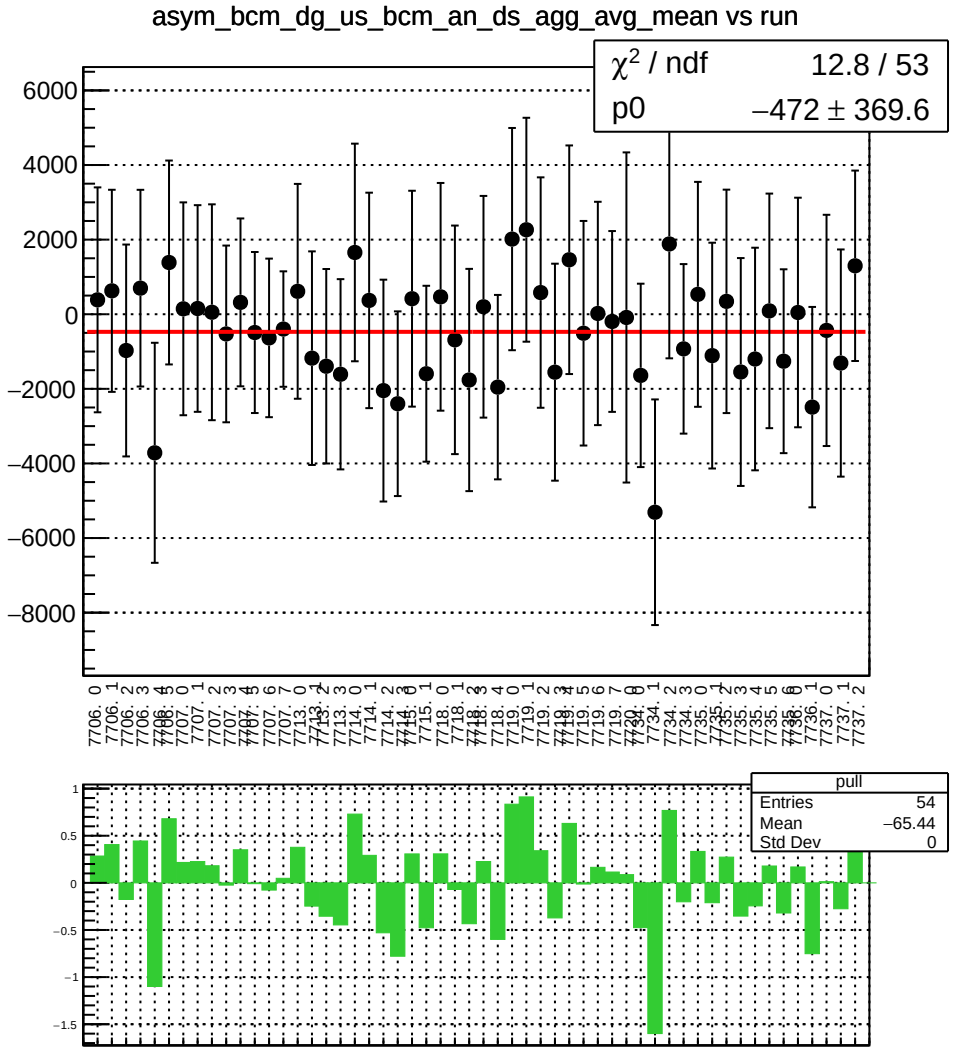

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 12.57 / 53
p0 −468.3 ± 369.6
pull
Entries 54
Mean −37.52
Std Dev 0
pull1D
Entries 54
Mean 0.007511
Std Dev 0.4824

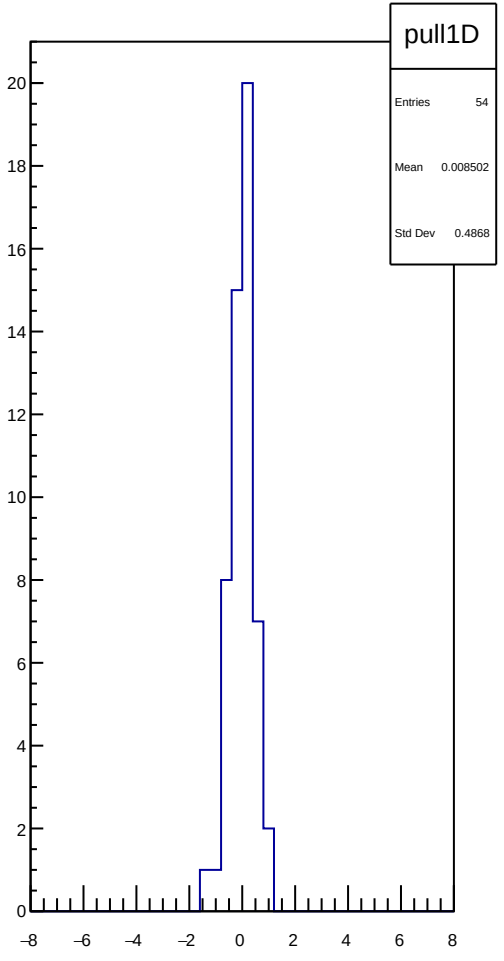

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.312e+04 / 53
p0 267.7 ± 0.2614
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

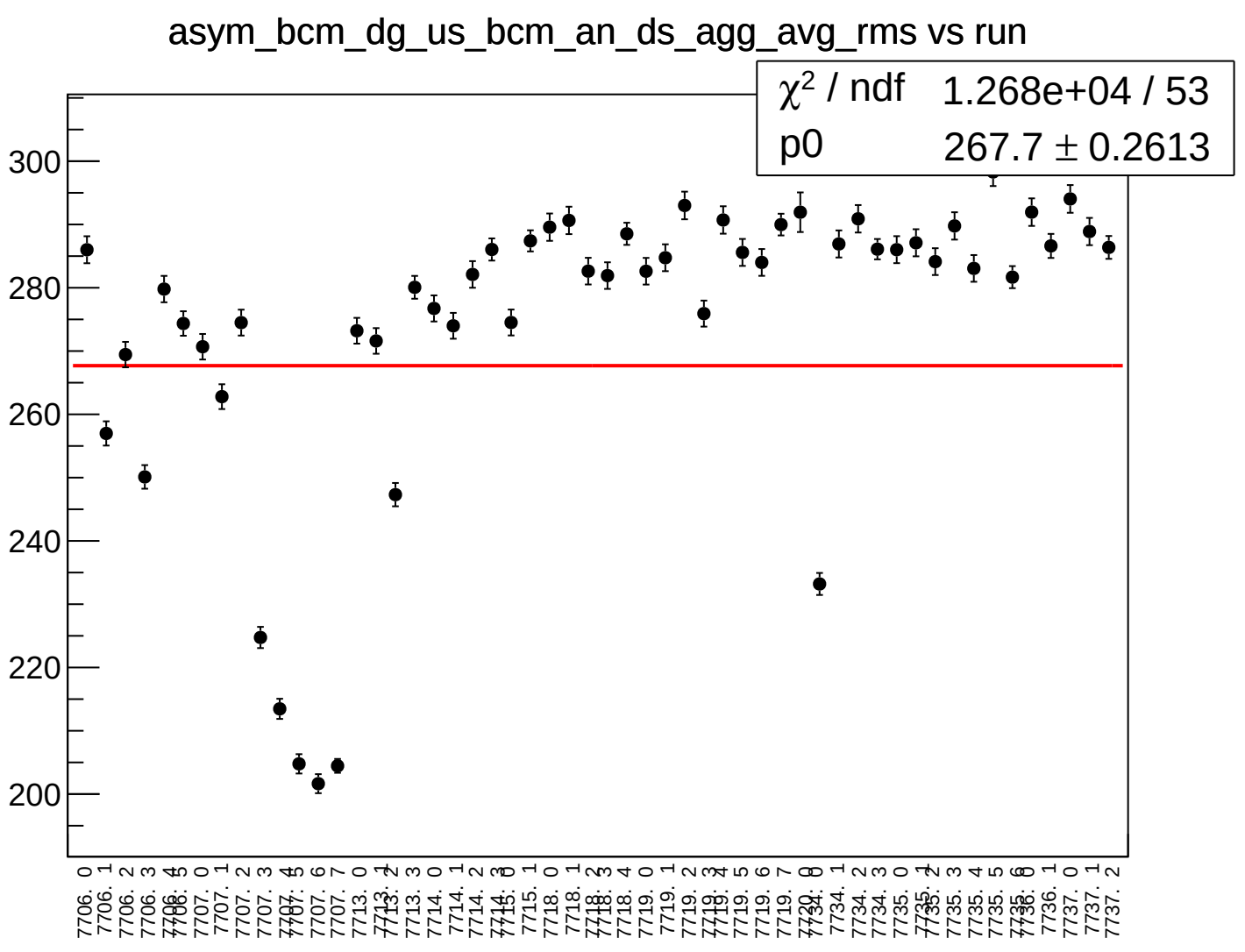

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 43.72 / 53
p0 4.752 ± 15.47
pull
Entries 54
Mean 17.73
Std Dev 13.27

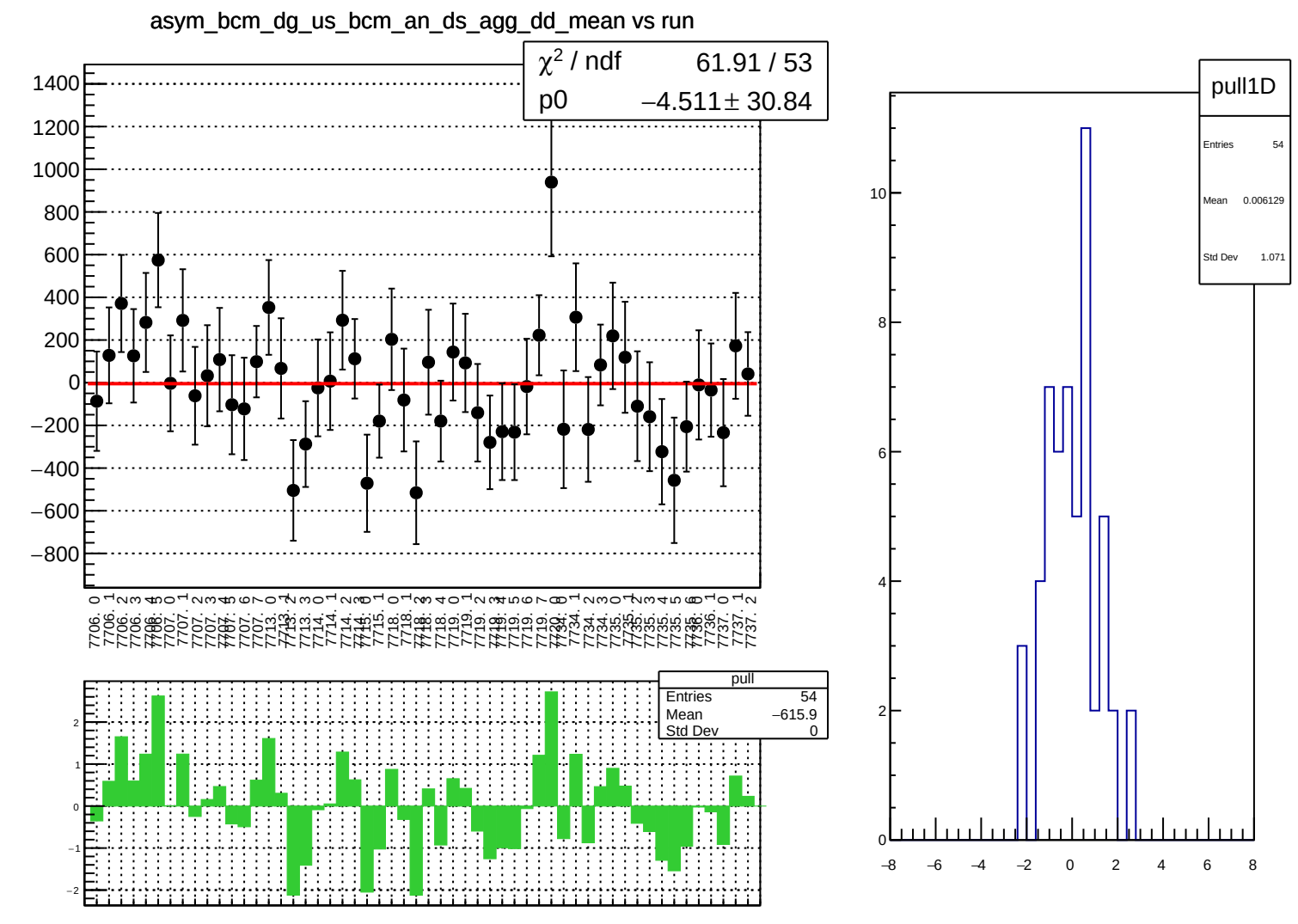

pull1D
Entries 54
Mean −0.02822
Std Dev 0.8994

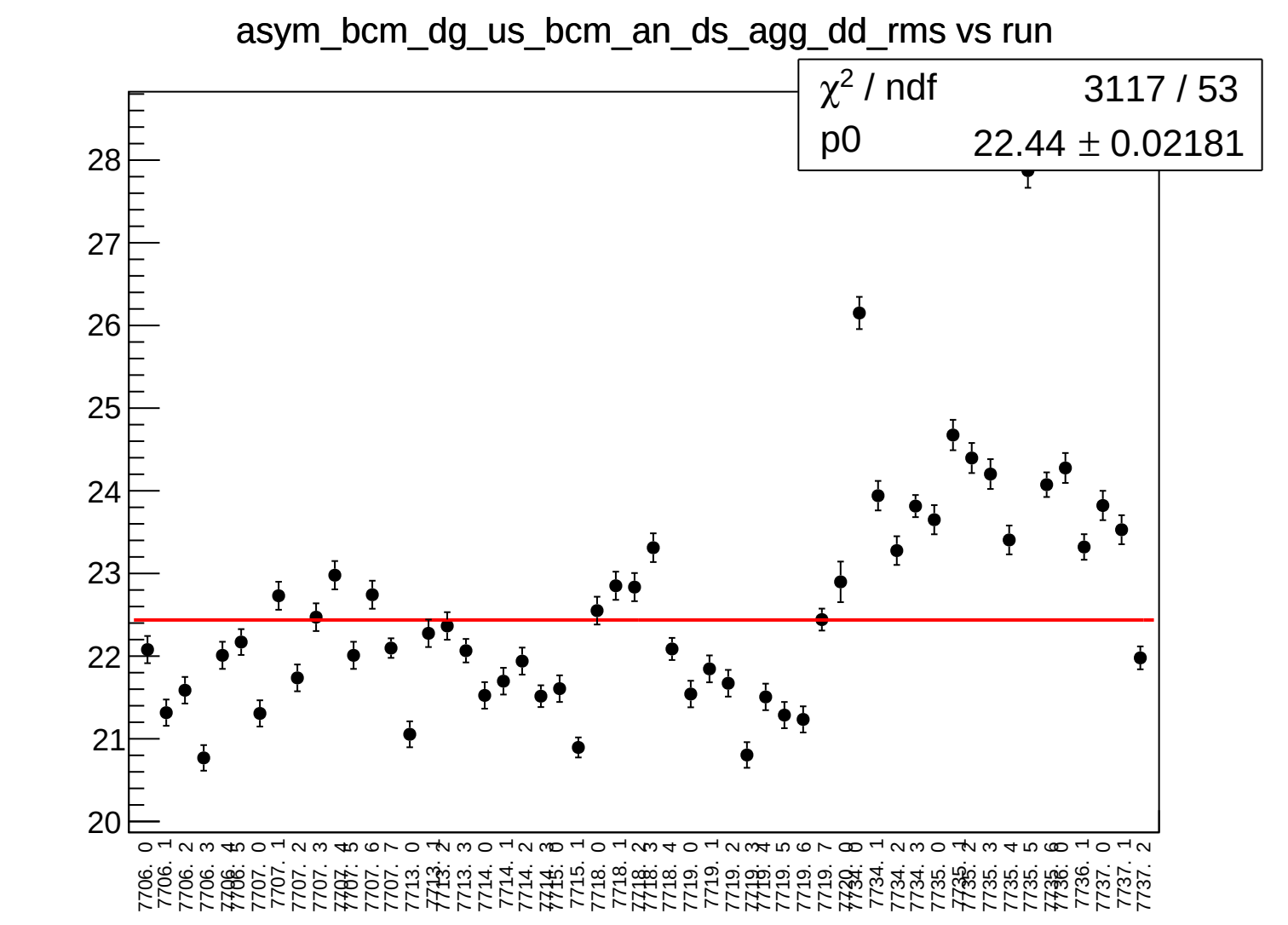

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.778e+04 / 53
p0 11.18 ± 0.01094
15
14
13
12
11
10
9

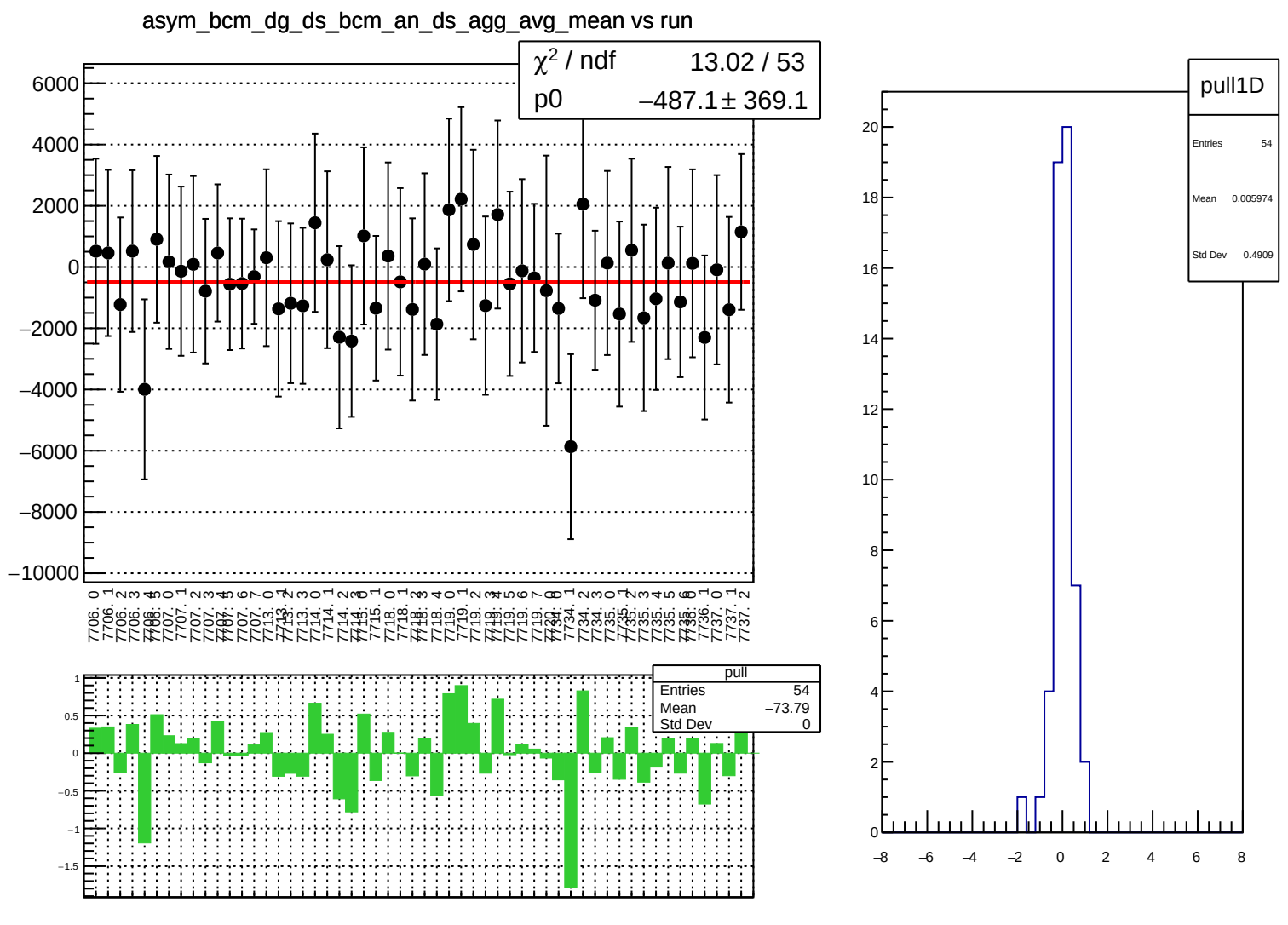

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.8 / 53
p0 −472 ± 369.6
pull
Entries 54
Mean −65.44
Std Dev 0

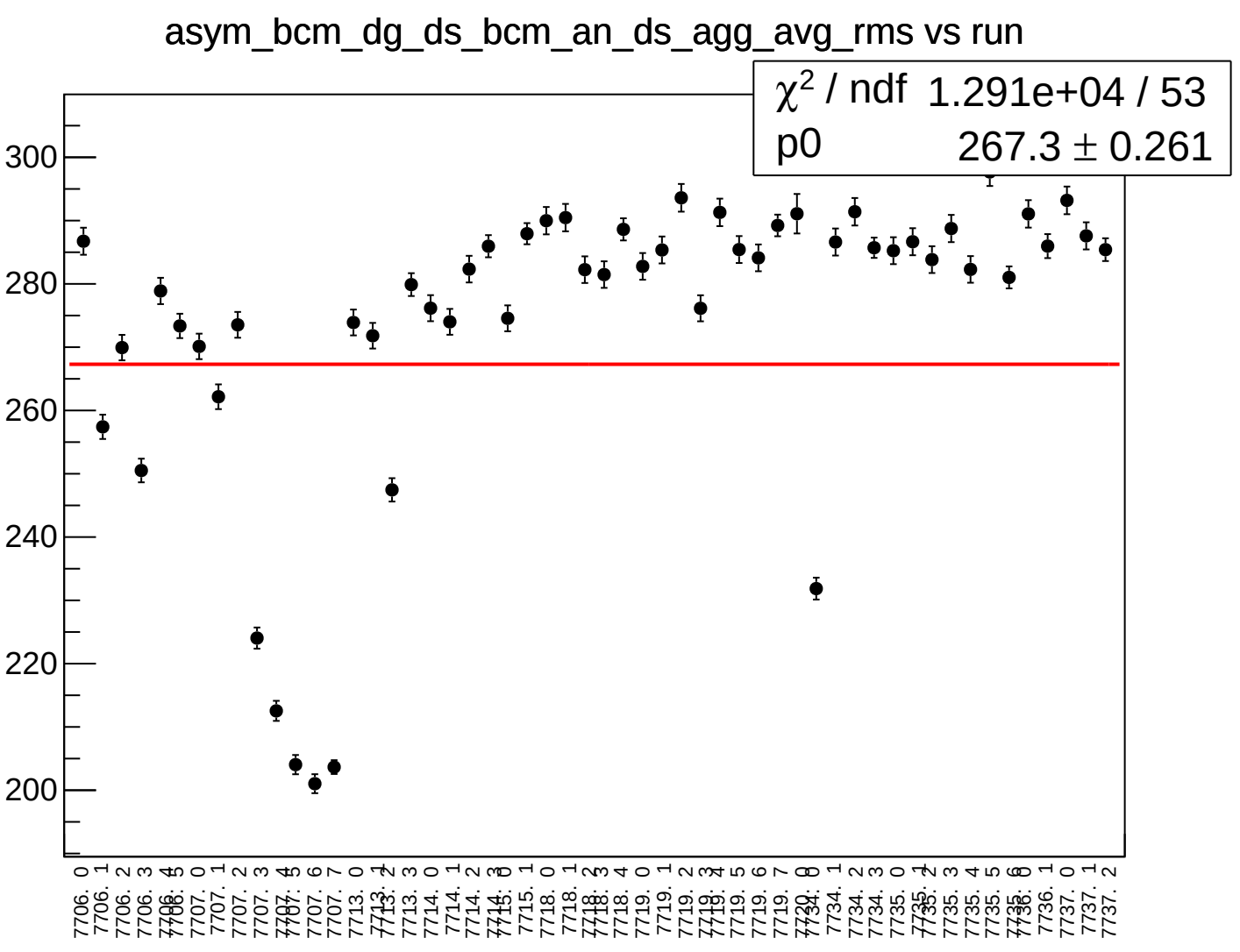

pull1D
Entries 54
Mean 0.008502
Std Dev 0.4868

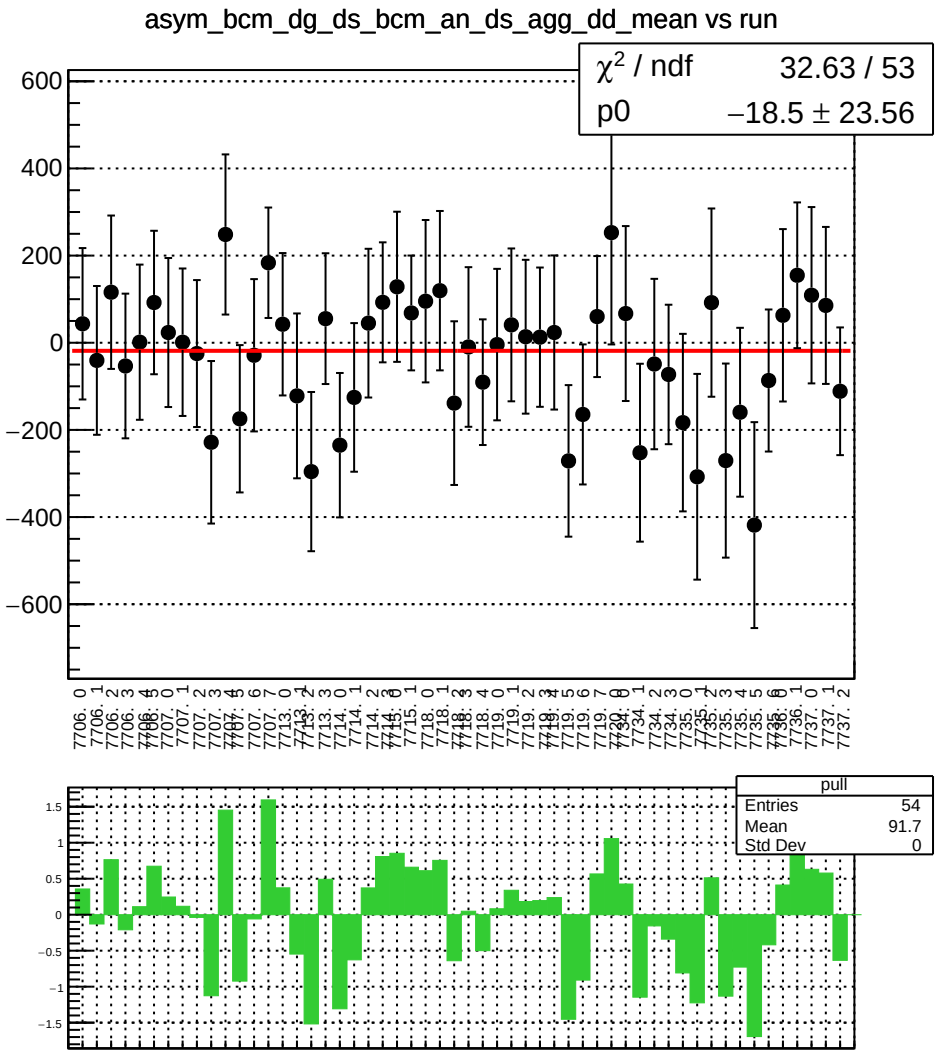

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.268e+04 / 53
p0 267.7 ± 0.2613
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

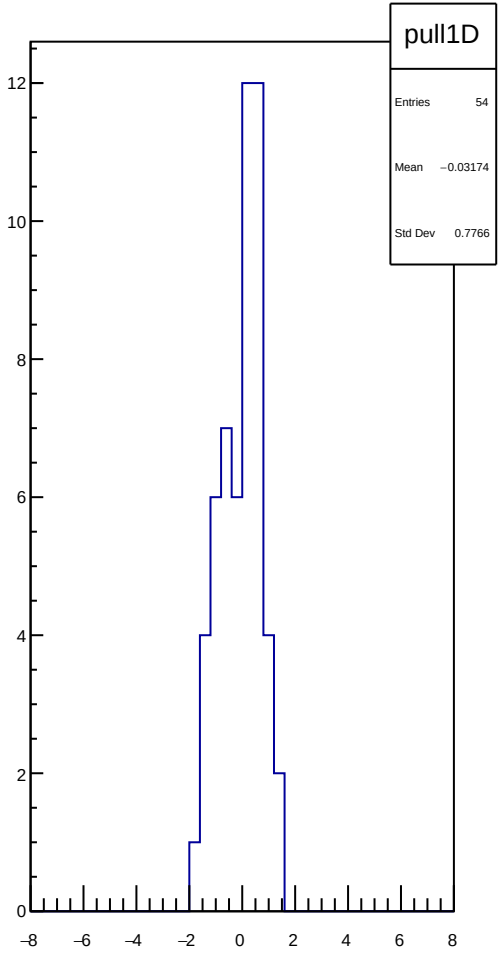

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 61.91 / 53
p0 −4.511 ± 30.84
pull
Entries 54
Mean −615.9
Std Dev 0
pull1D
Entries 54
Mean 0.006129
Std Dev 1.071

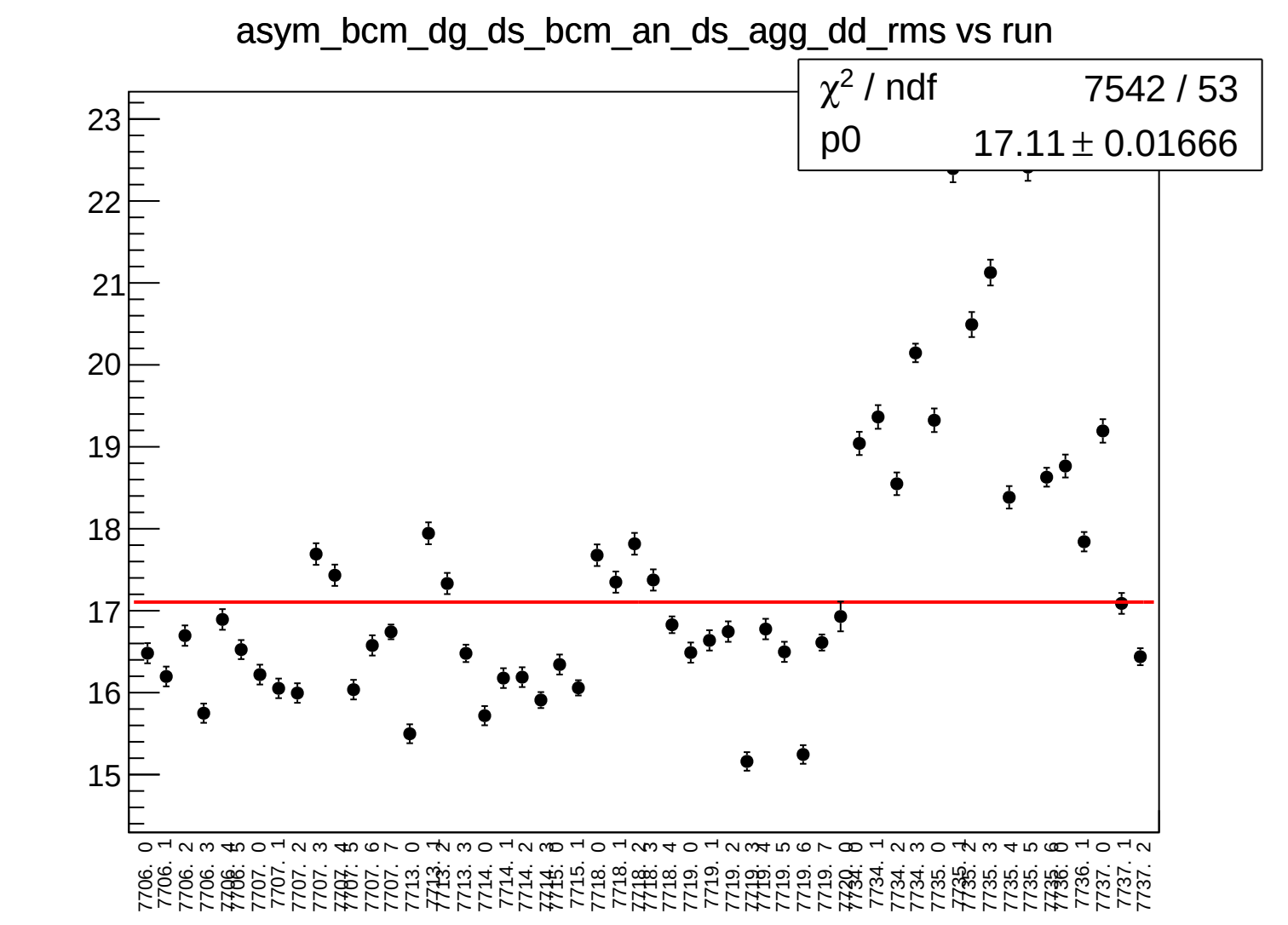

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3117 / 53
p0 22.44 ± 0.02181
28
27
26
25
24
23
22
21
20

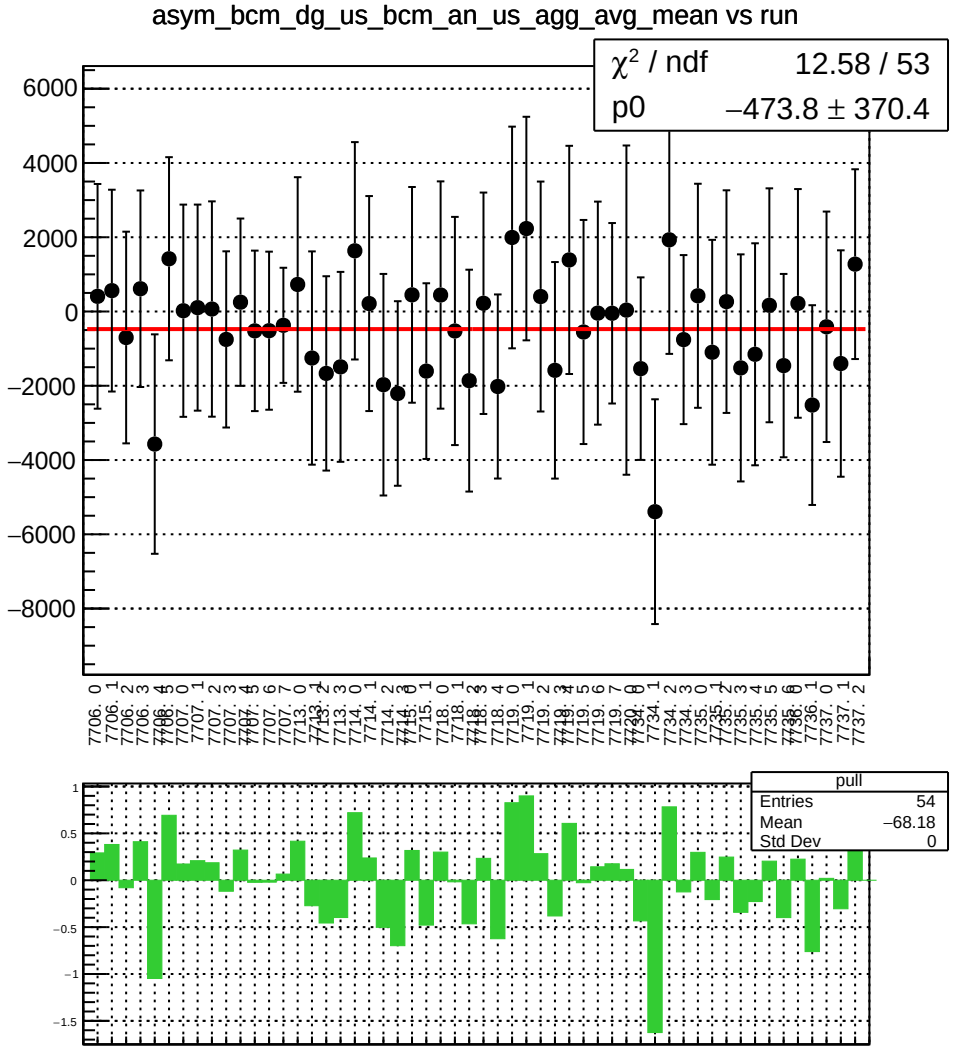

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.02 / 53
p0 −487.1 ± 369.1
pull
Entries 54
Mean −73.79
Std Dev 0
pull1D
Entries 54
Mean 0.005974
Std Dev 0.4909

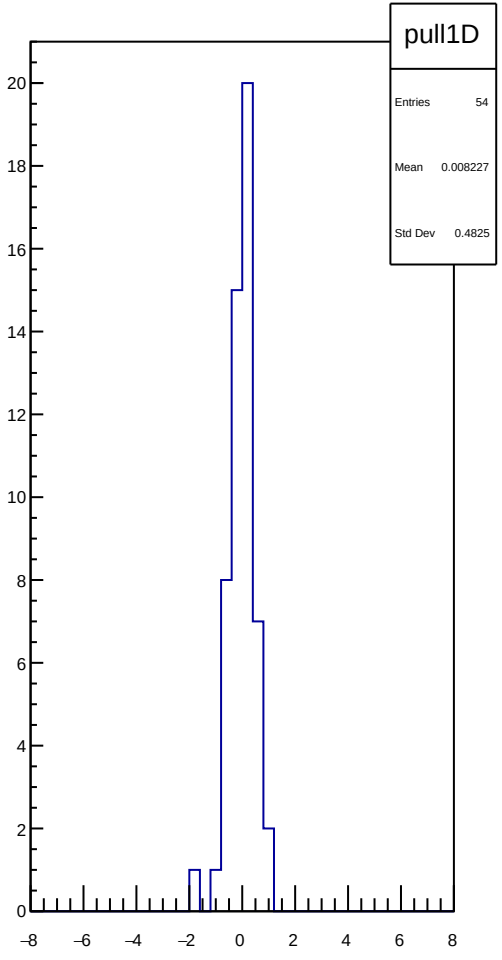

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.291e+04 / 53
p0 267.3 ± 0.261
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

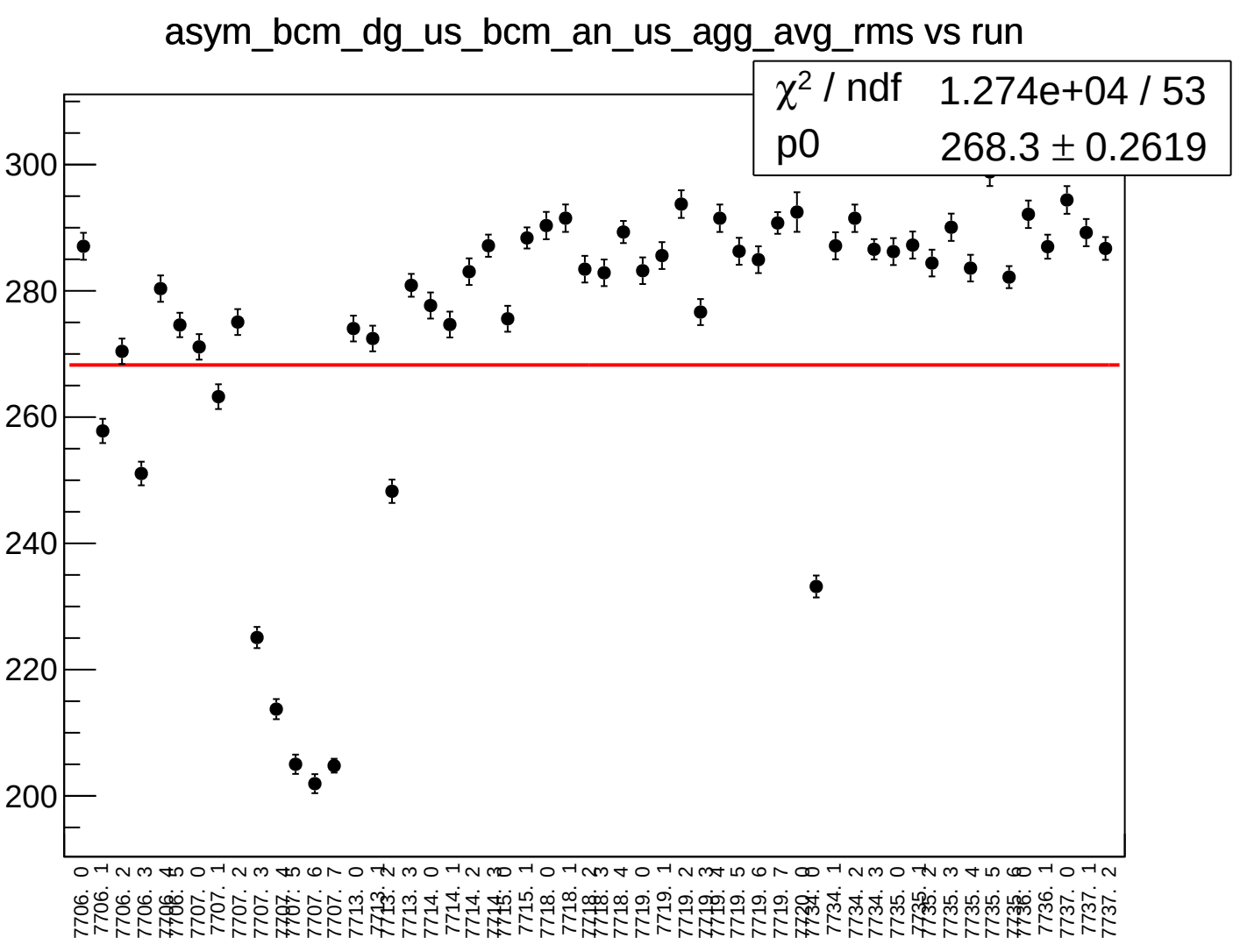

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 32.63 / 53
p0 −18.5 ± 23.56
pull
Entries 54
Mean 91.7
Std Dev 0

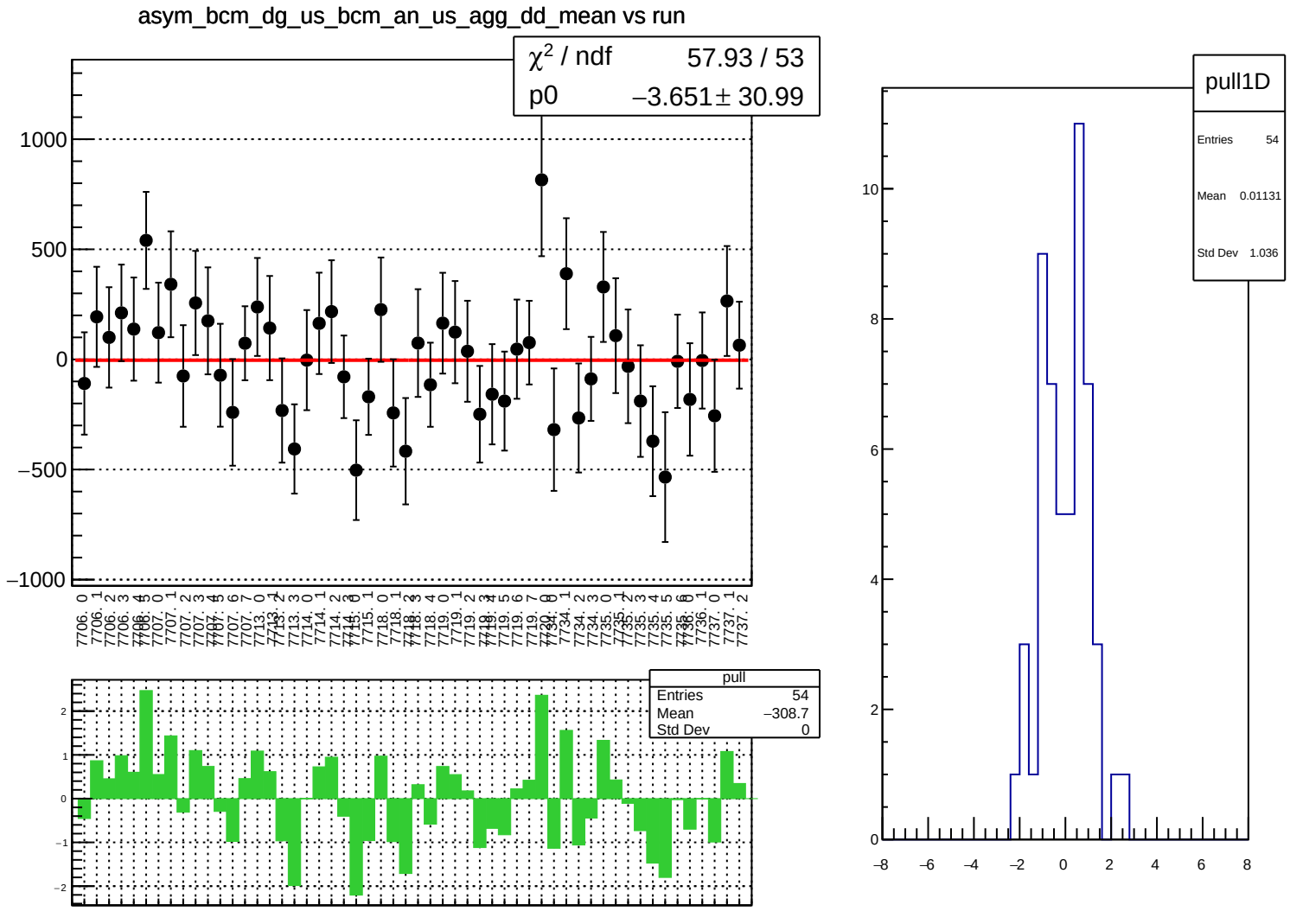

pull1D
Entries 54
Mean −0.03174
Std Dev 0.7766

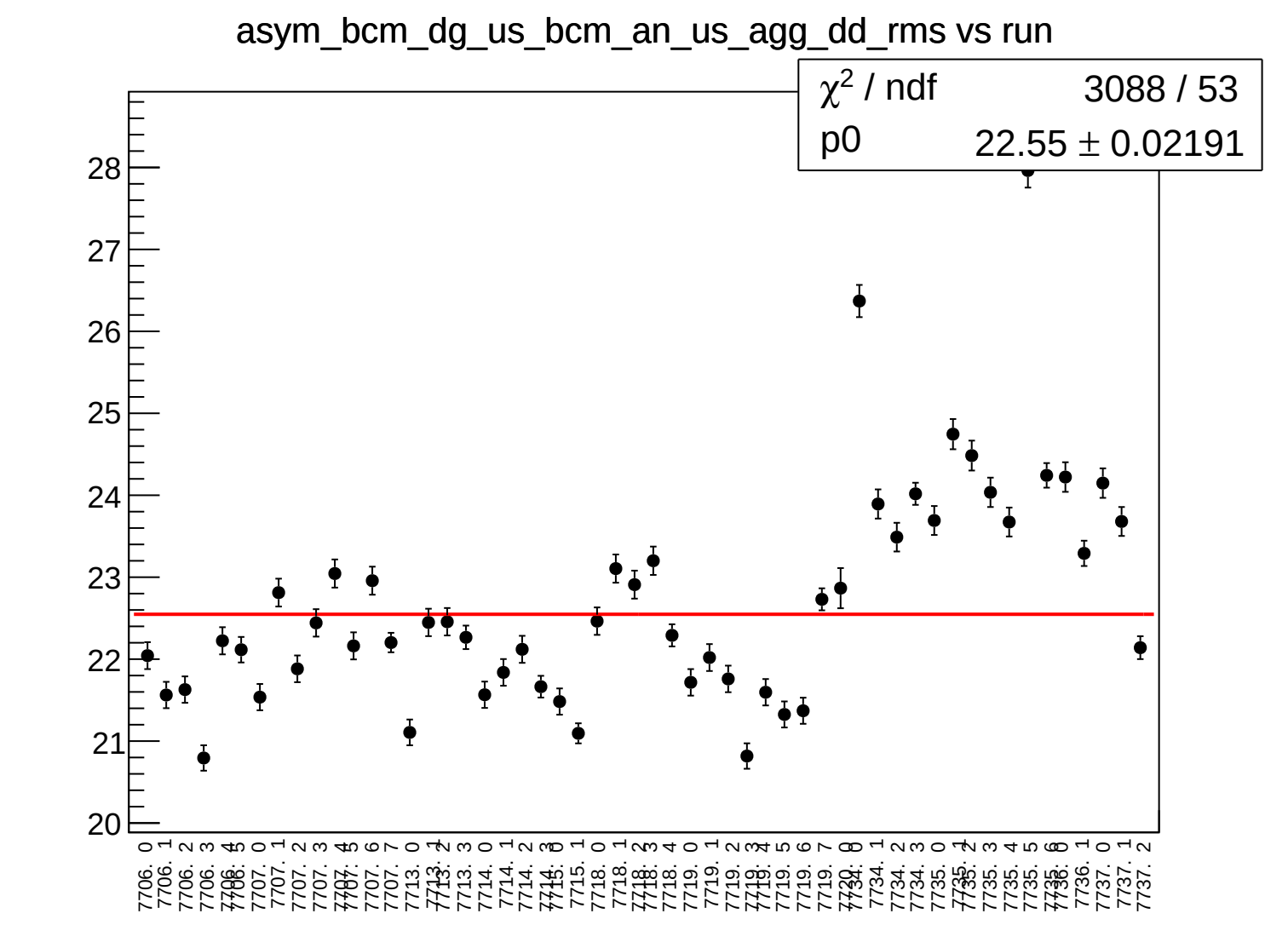

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 7542 / 53
p0 17.11 ± 0.01666
23
22
21
20
19
18
17
16
15

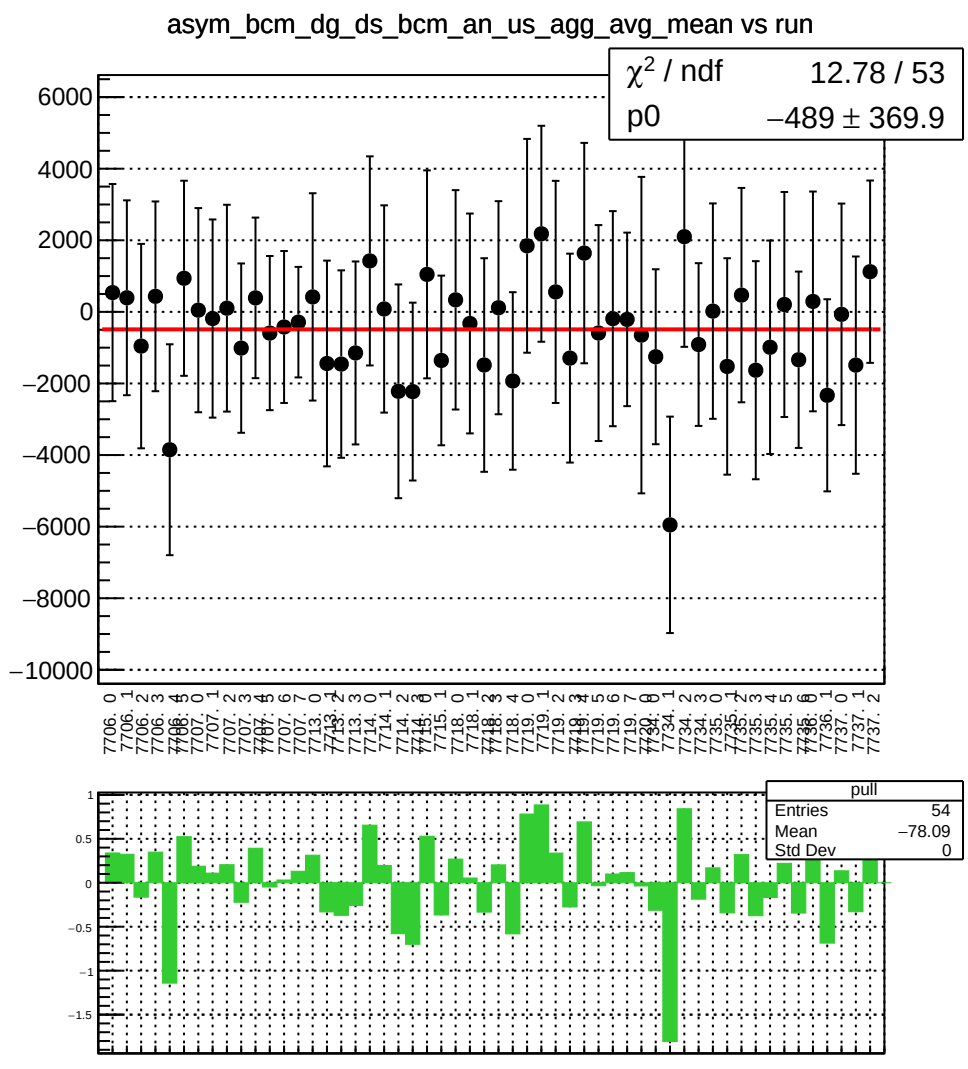

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.58 / 53
p0 −473.8 ± 370.4
pull
Entries 54
Mean −68.18
Std Dev 0

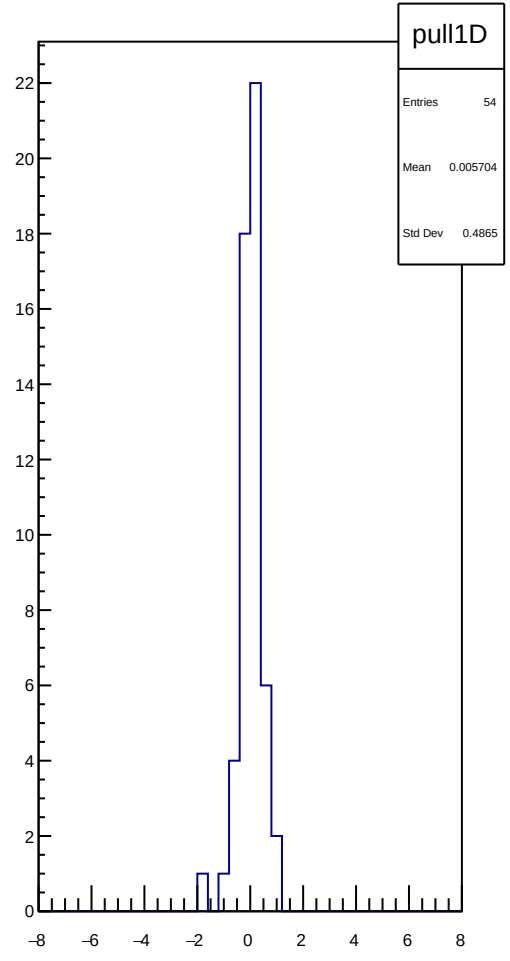

pull1D
Entries 54
Mean 0.008227
Std Dev 0.4825

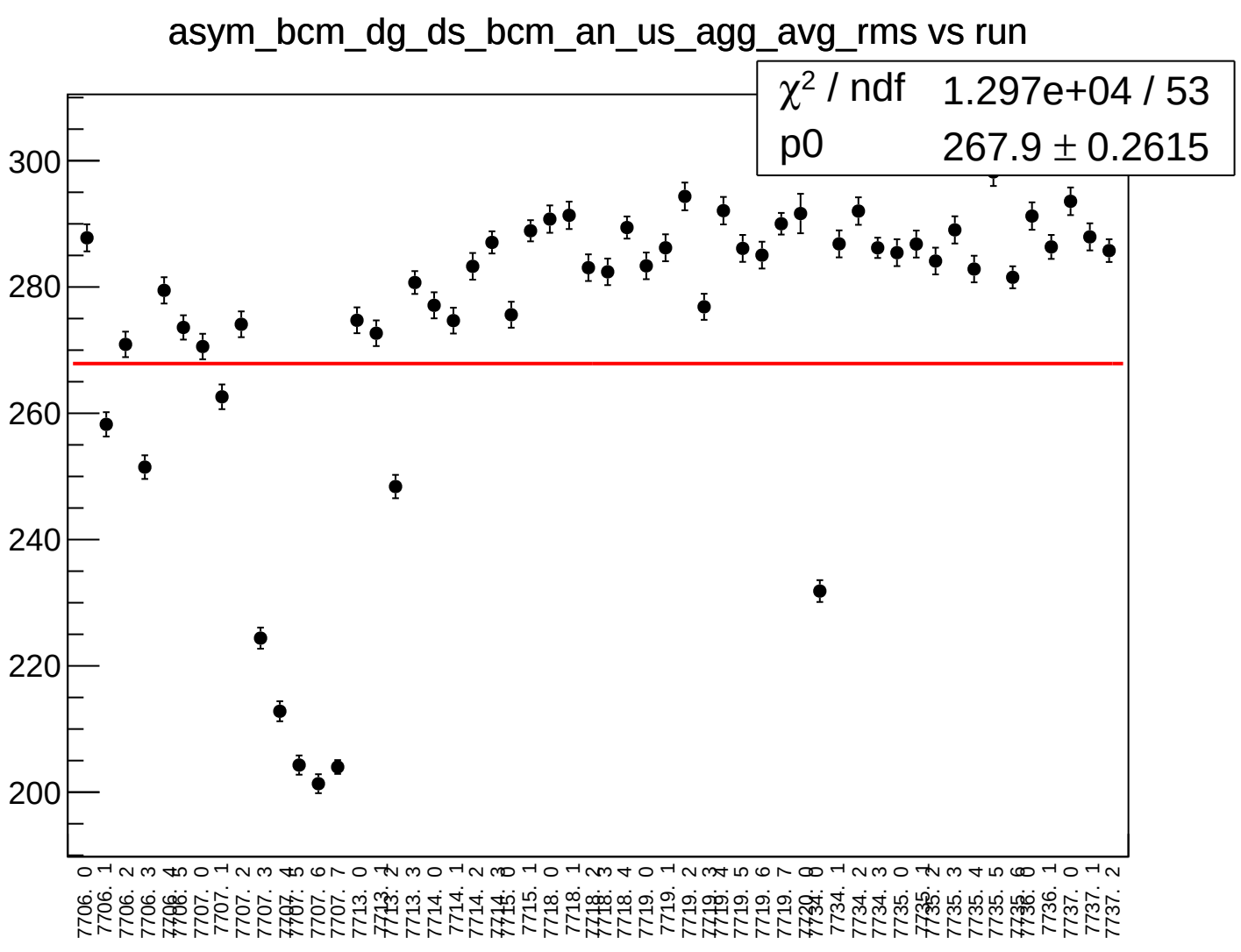

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.274e+04 / 53
p0 268.3 ± 0.2619
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

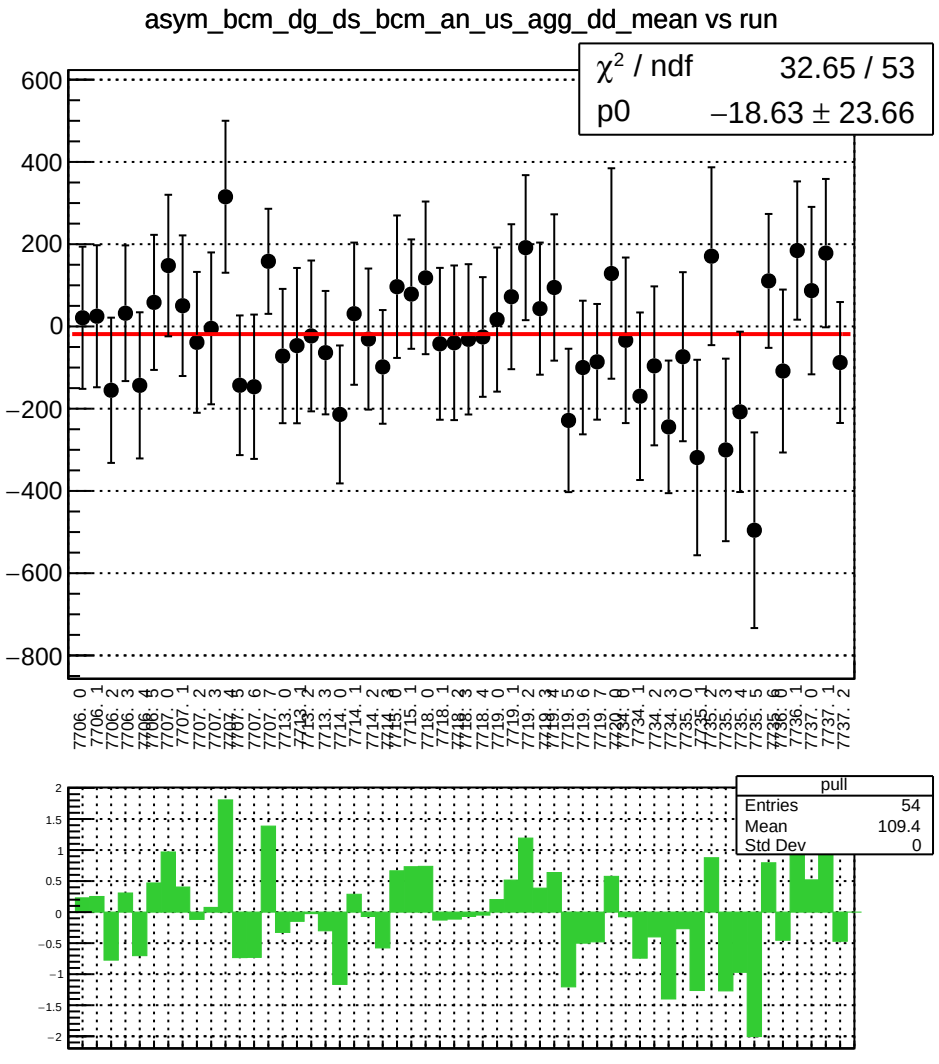

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 57.93 / 53
p0 −3.651 ± 30.99
1000
500
0
−500
−1000
pull
Entries 54
Mean −308.7
Std Dev 0
pull1D
Entries 54
Mean 0.01131
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

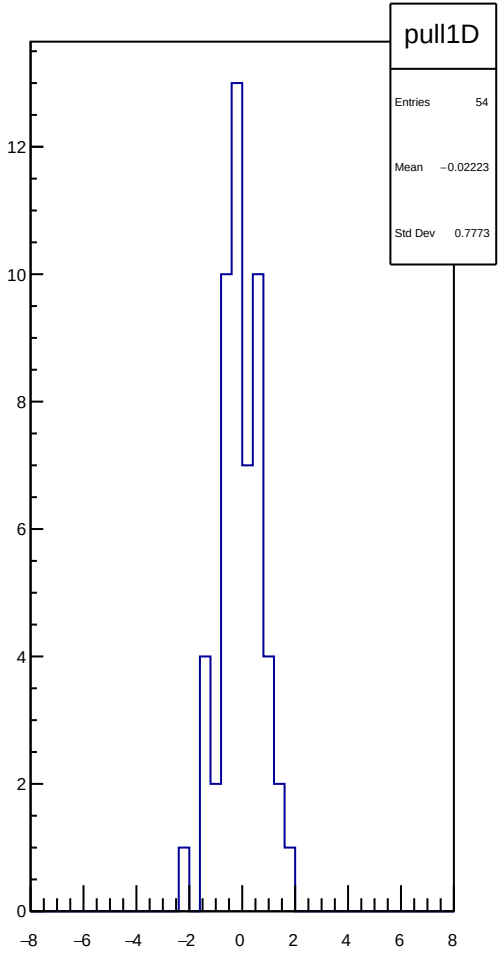

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3088 / 53
p0 22.55 ± 0.02191
28
27
26
25
24
23
22
21
20

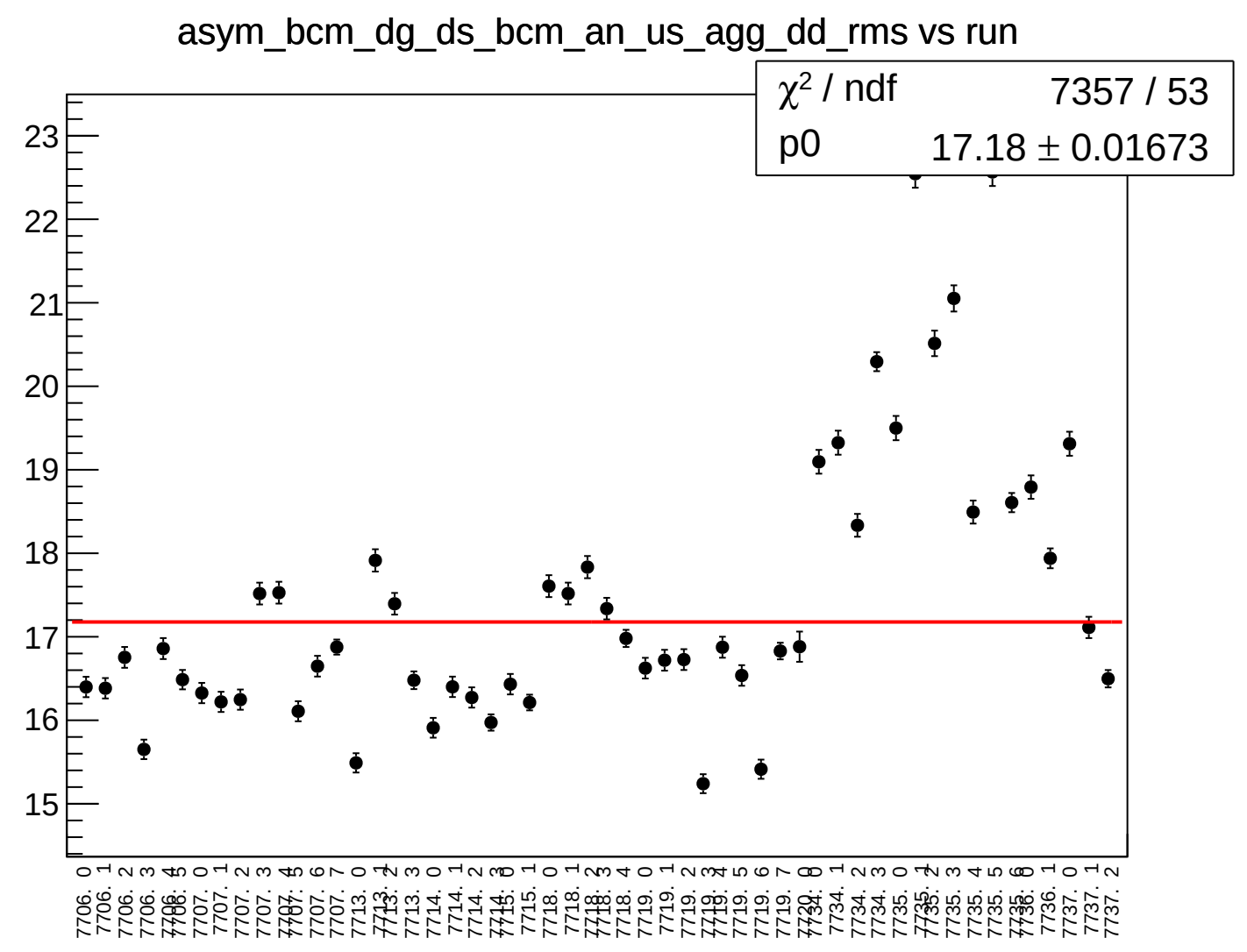

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.78 / 53
p0 −489 ± 369.9
pull
Entries 54
Mean −78.09
Std Dev 0

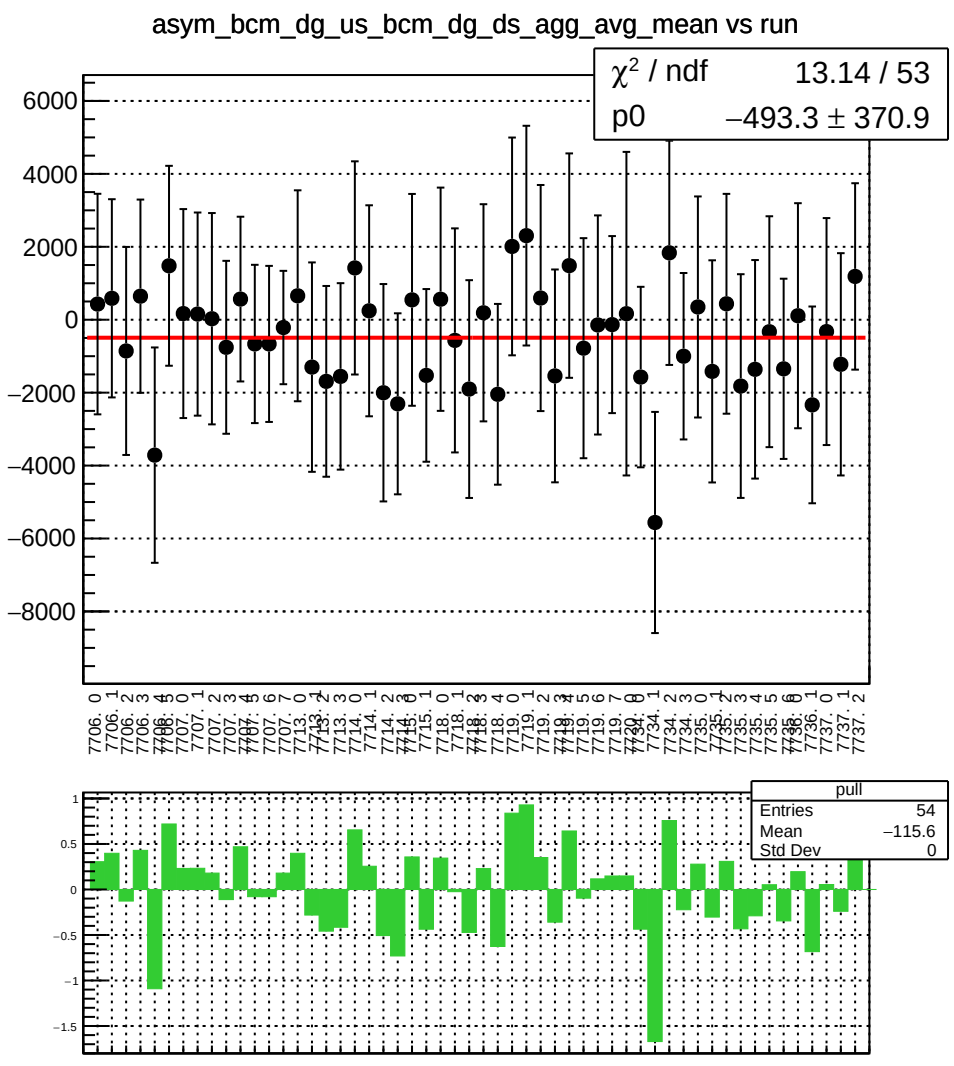

pull1D
Entries 54
Mean 0.005704
Std Dev 0.4865

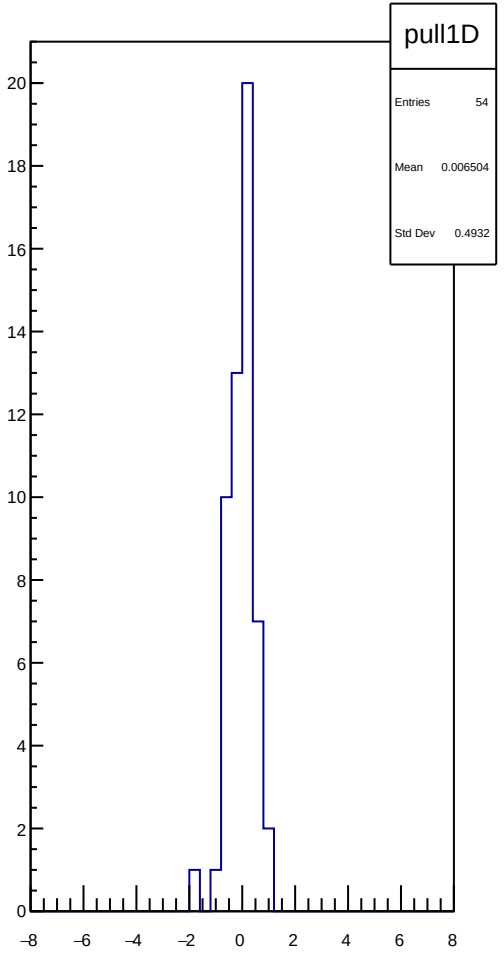

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.297e+04 / 53
p0 267.9 ± 0.2615
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

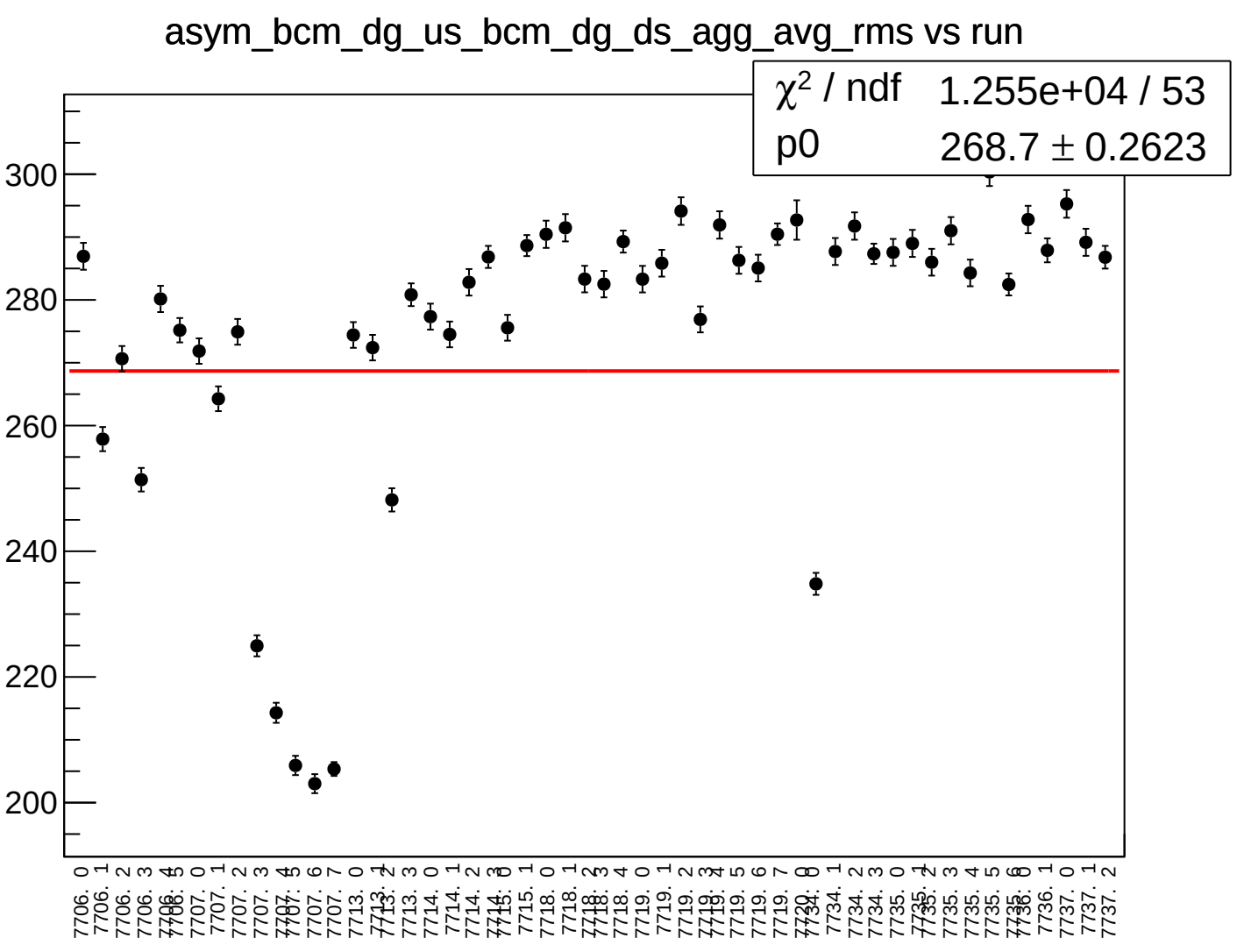

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 32.65 / 53
p0 −18.63 ± 23.66
pull
Entries 54
Mean 109.4
Std Dev 0

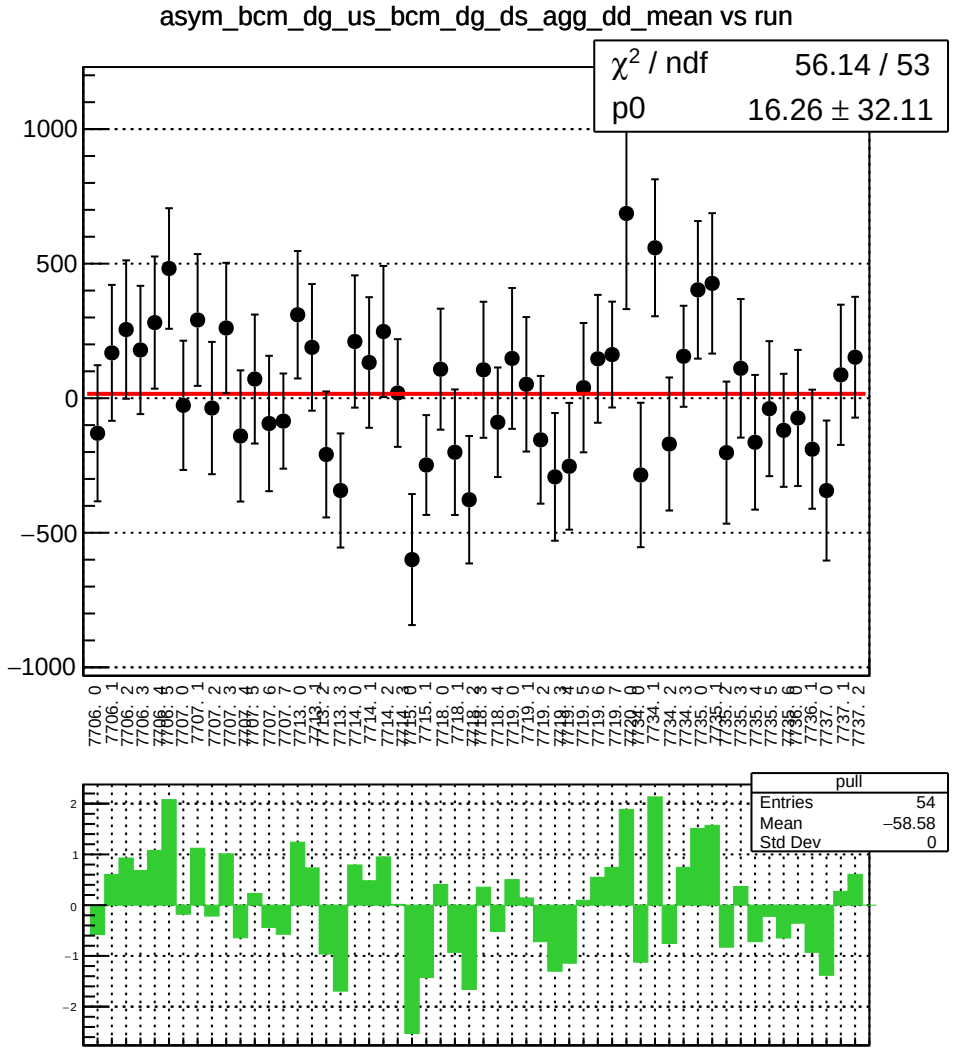

pull1D
Entries 54
Mean −0.02223
Std Dev 0.7773

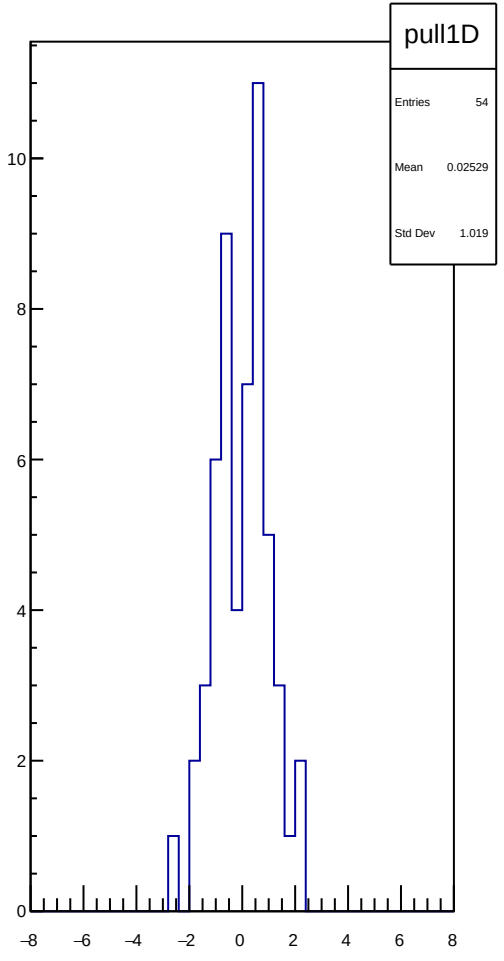

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7357 / 53
p0 17.18 ± 0.01673
23
22
21
20
19
18
17
16
15

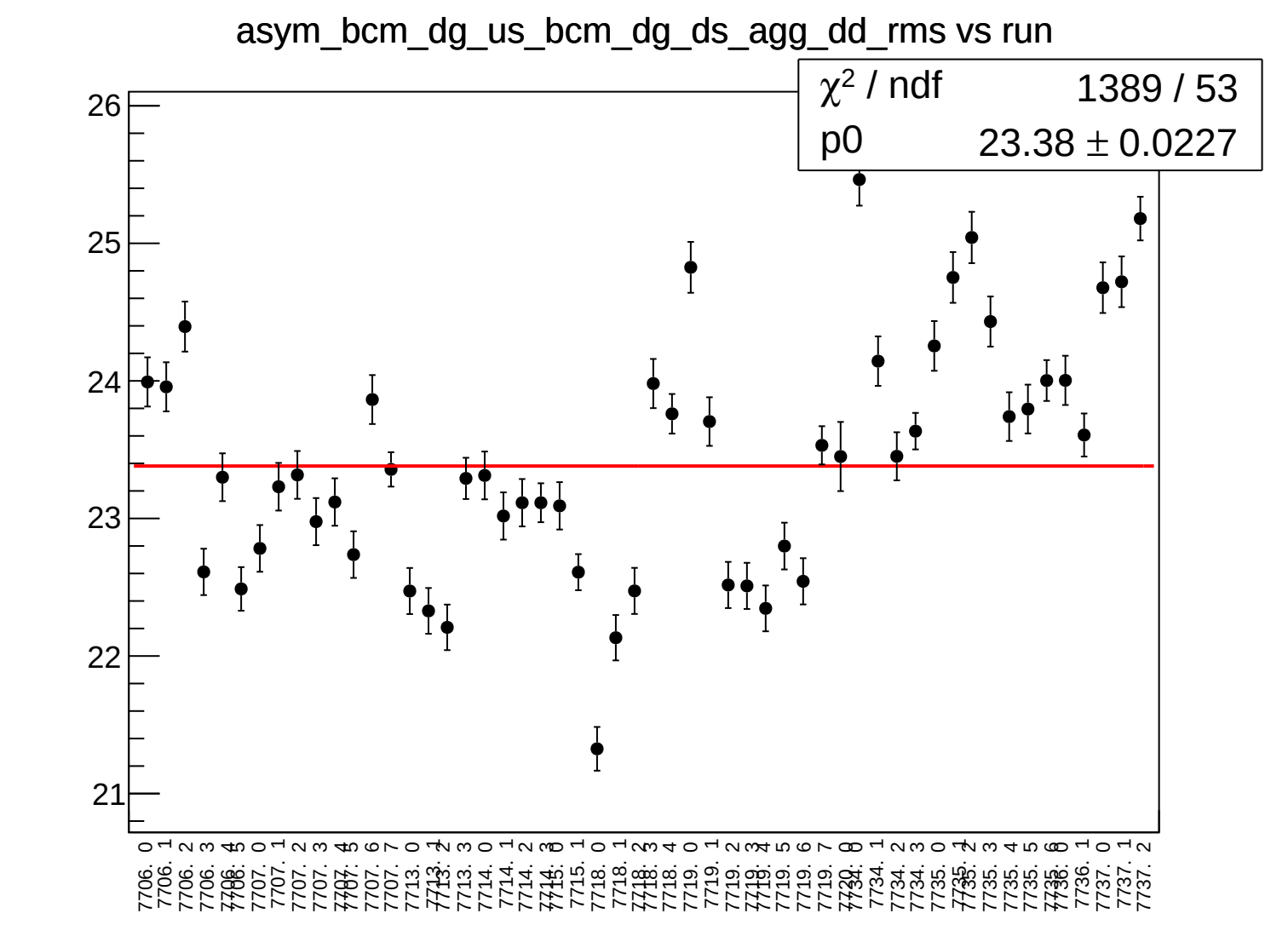

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.14 / 53
p0 −493.3 ± 370.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −115.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

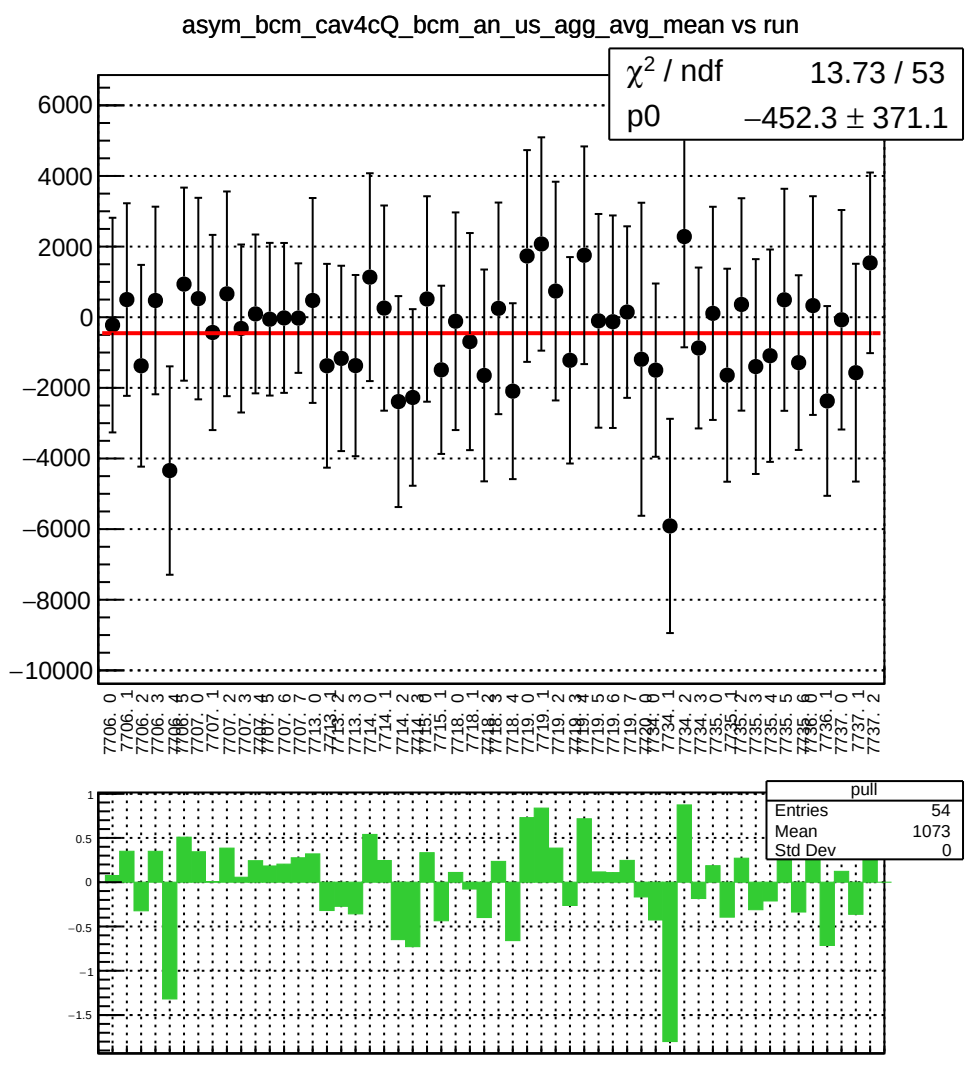

pull1D
Entries 54
Mean 0.006504
Std Dev 0.4932
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

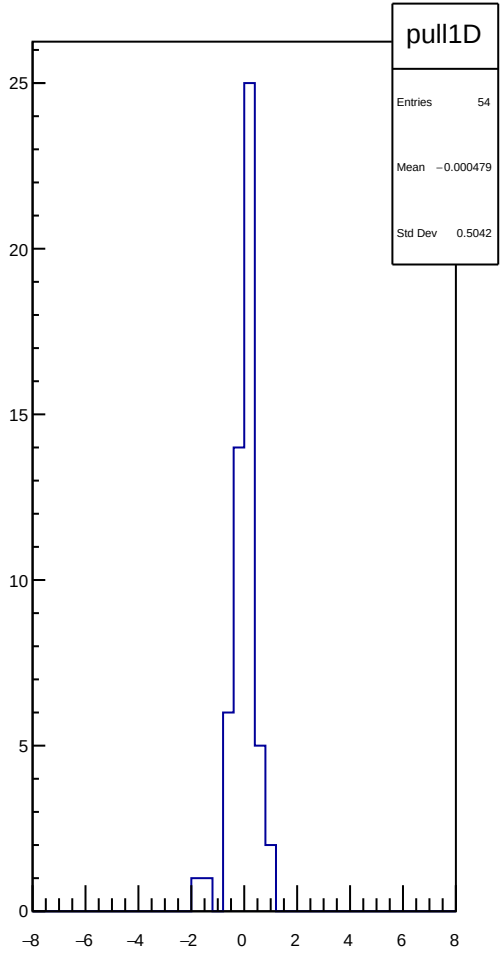

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.255e+04 / 53
p0 268.7 ± 0.2623
300
280
260
240
220
200

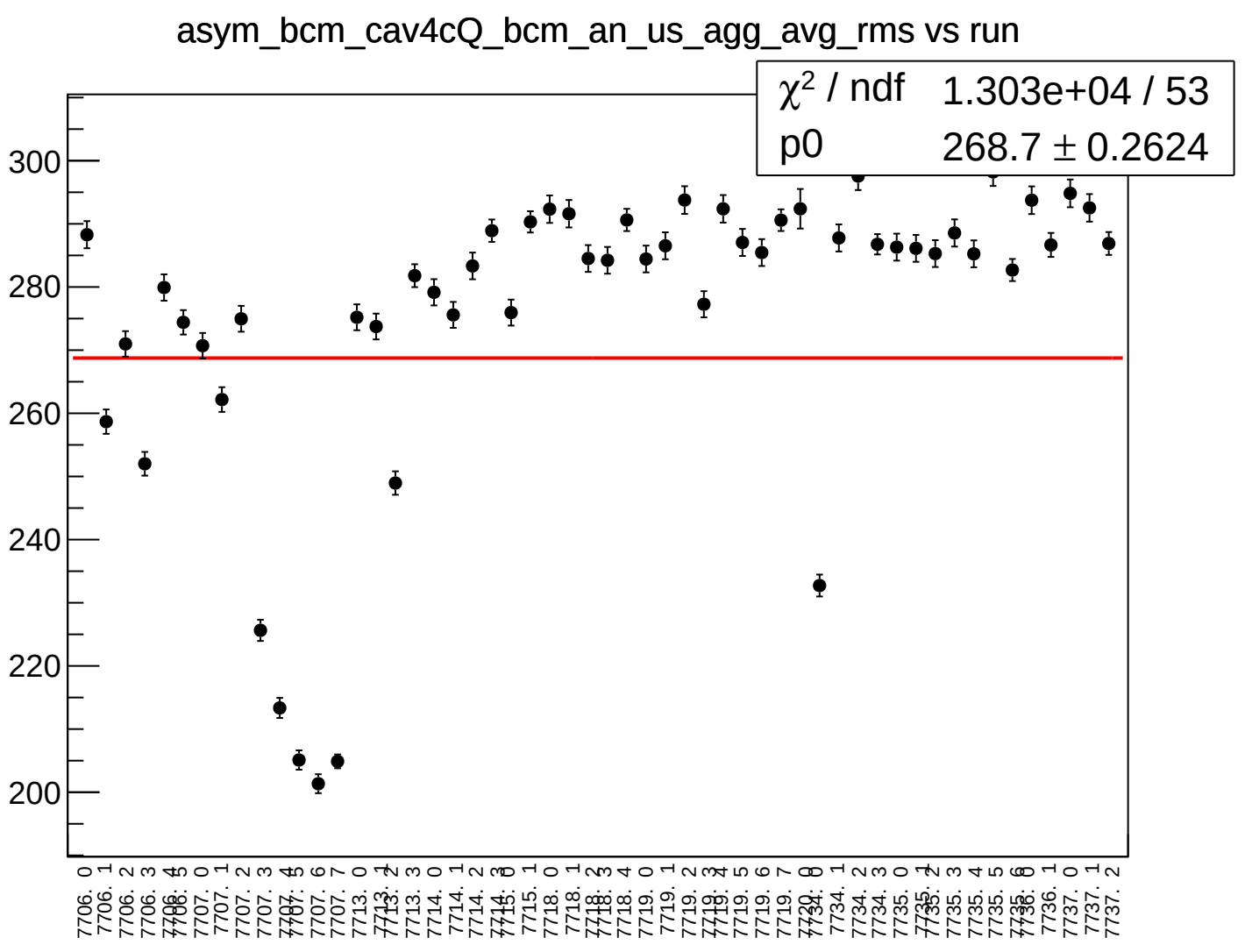

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 56.14 / 53
p0 16.26 ± 32.11
1000
500
0
−500
−1000
pull
Entries 54
Mean −58.58
Std Dev 0
2
1
0
−1
−2

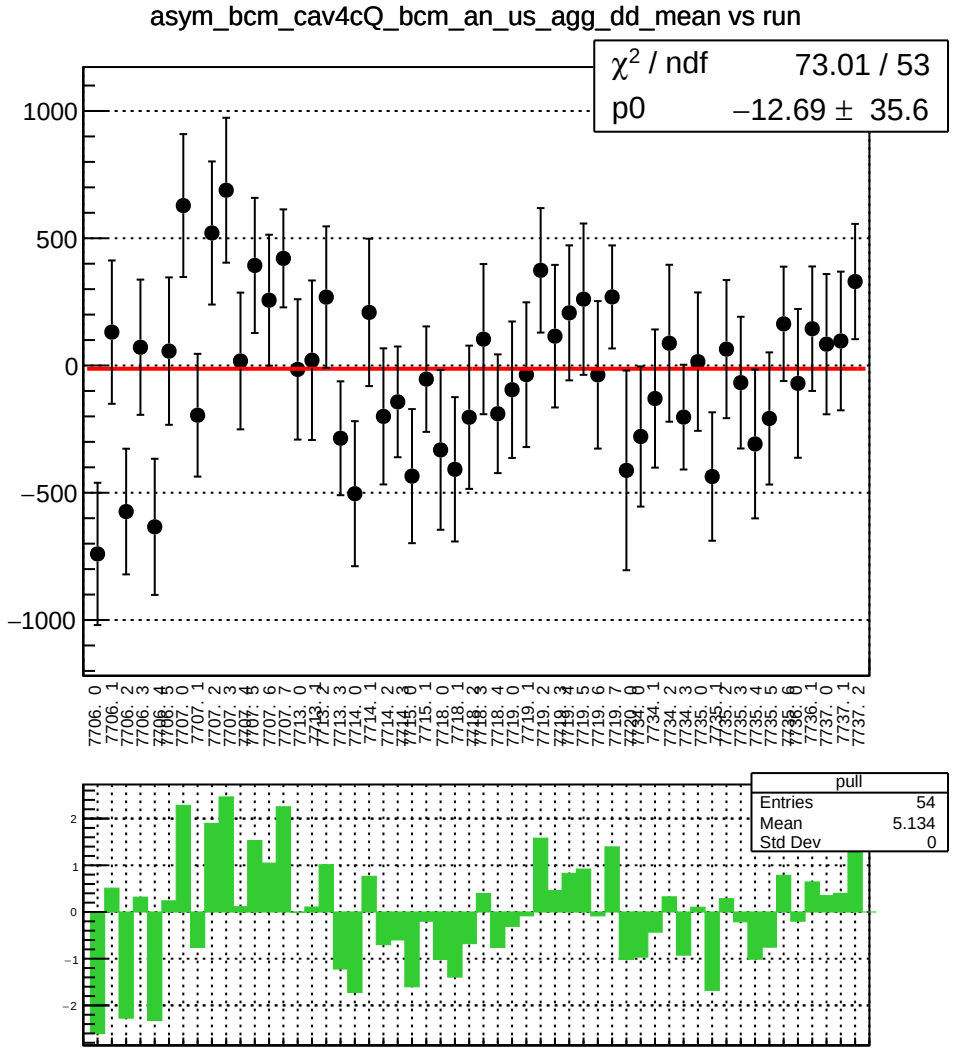

pull1D
Entries 54
Mean 0.02529
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

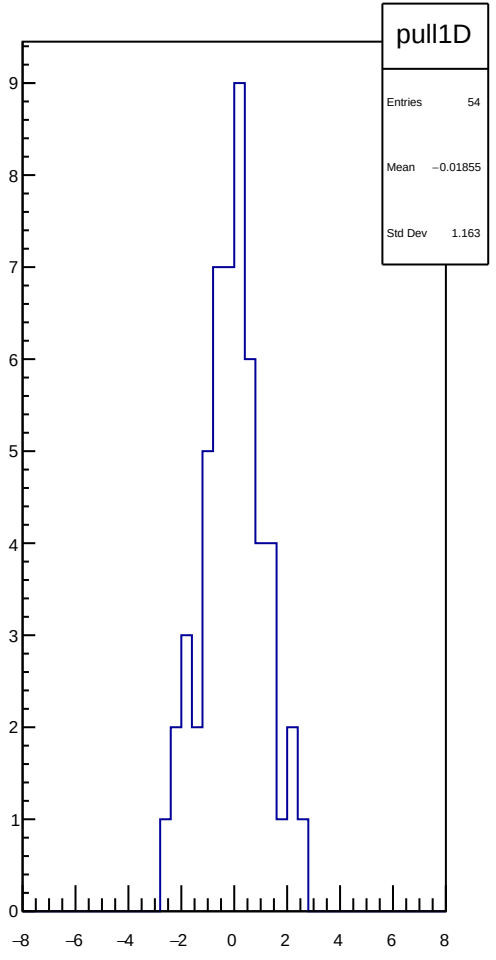

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1389 / 53
p0 23.38 ± 0.0227
26
25
24
23
22
21

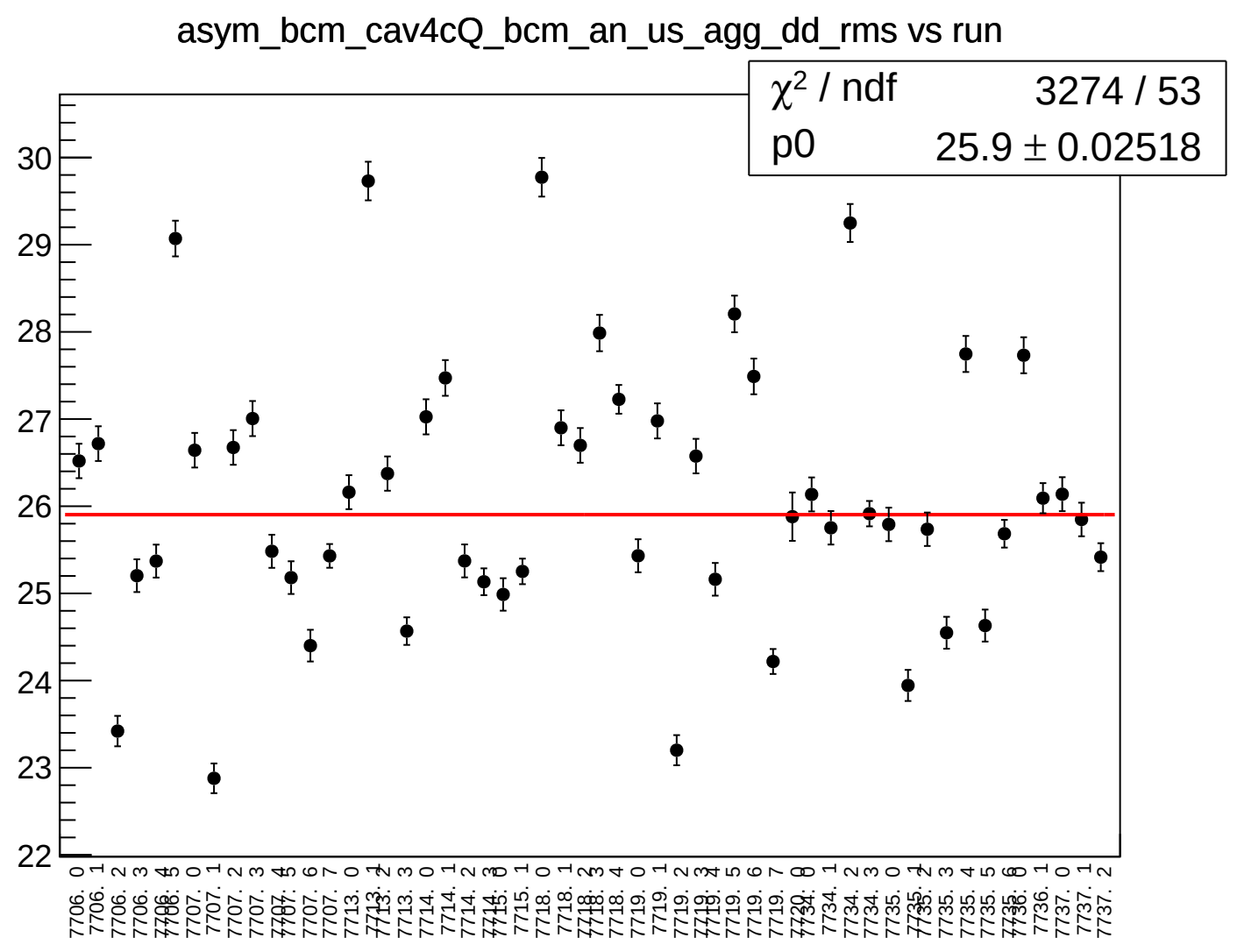

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.73 / 53
p0 −452.3 ± 371.1
pull
Entries 54
Mean 1073
Std Dev 0

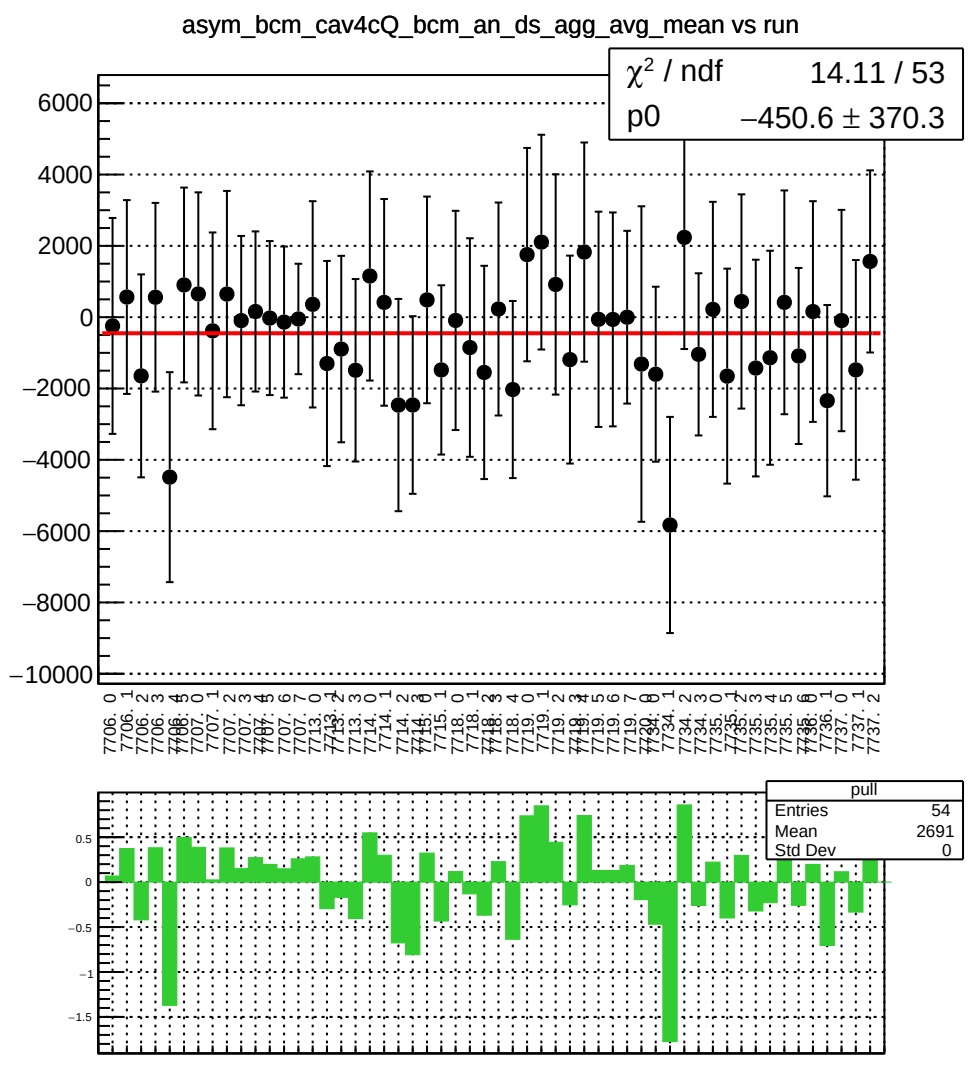

pull1D
Entries 54
Mean −0.000479
Std Dev 0.5042

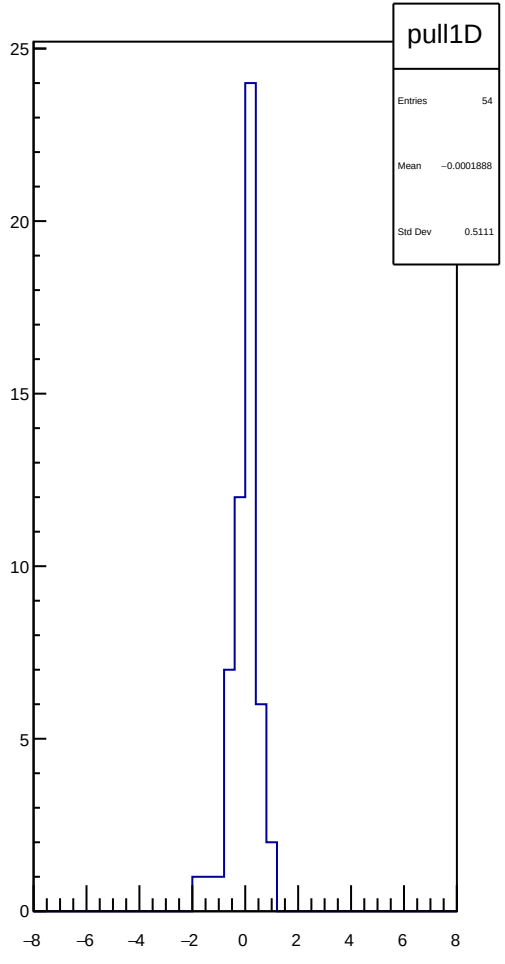

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.303e+04 / 53
p0 268.7 ± 0.2624
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

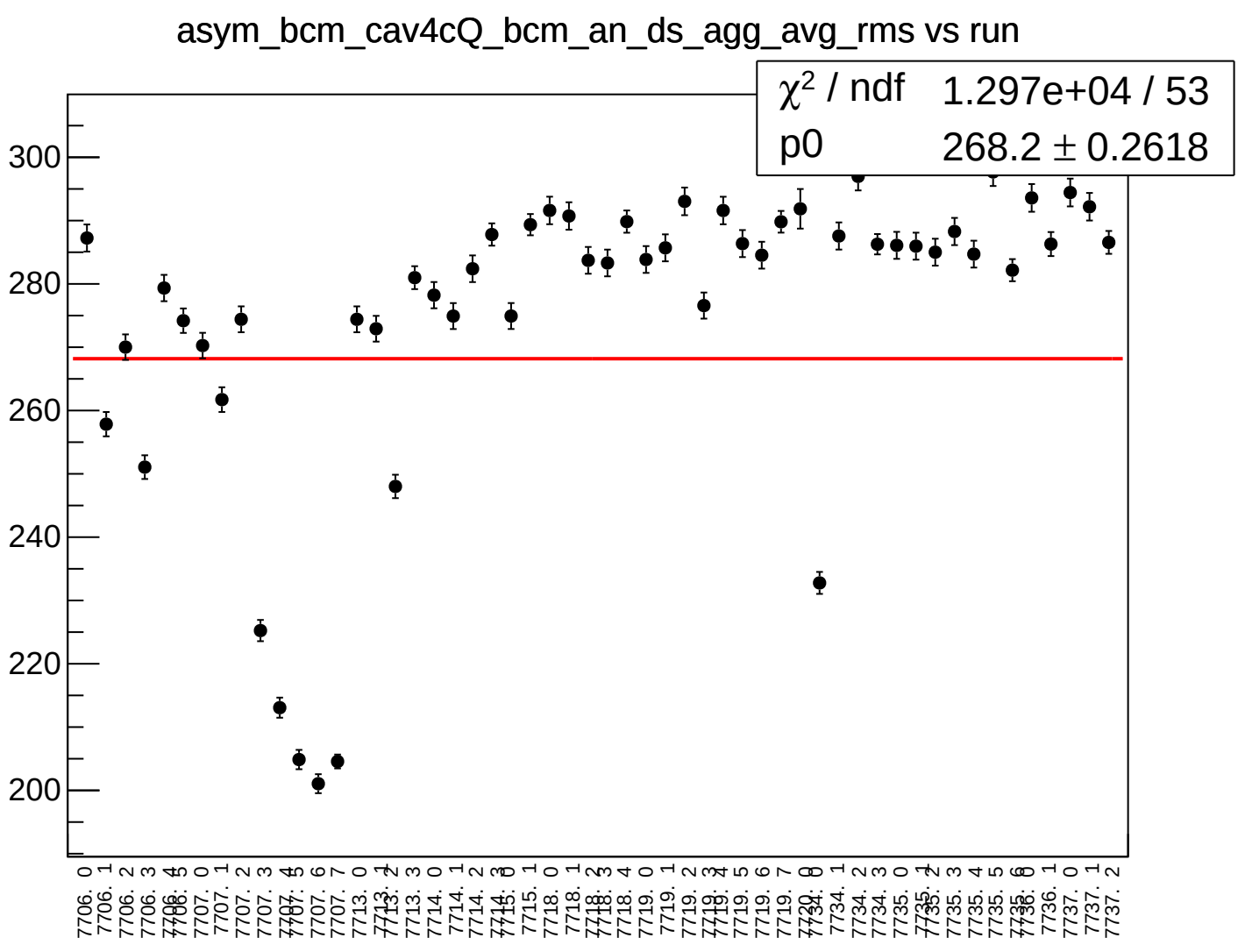

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 73.01 / 53
p0 −12.69 ± 35.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 5.134
Std Dev 0
2
1
0
−1
−2

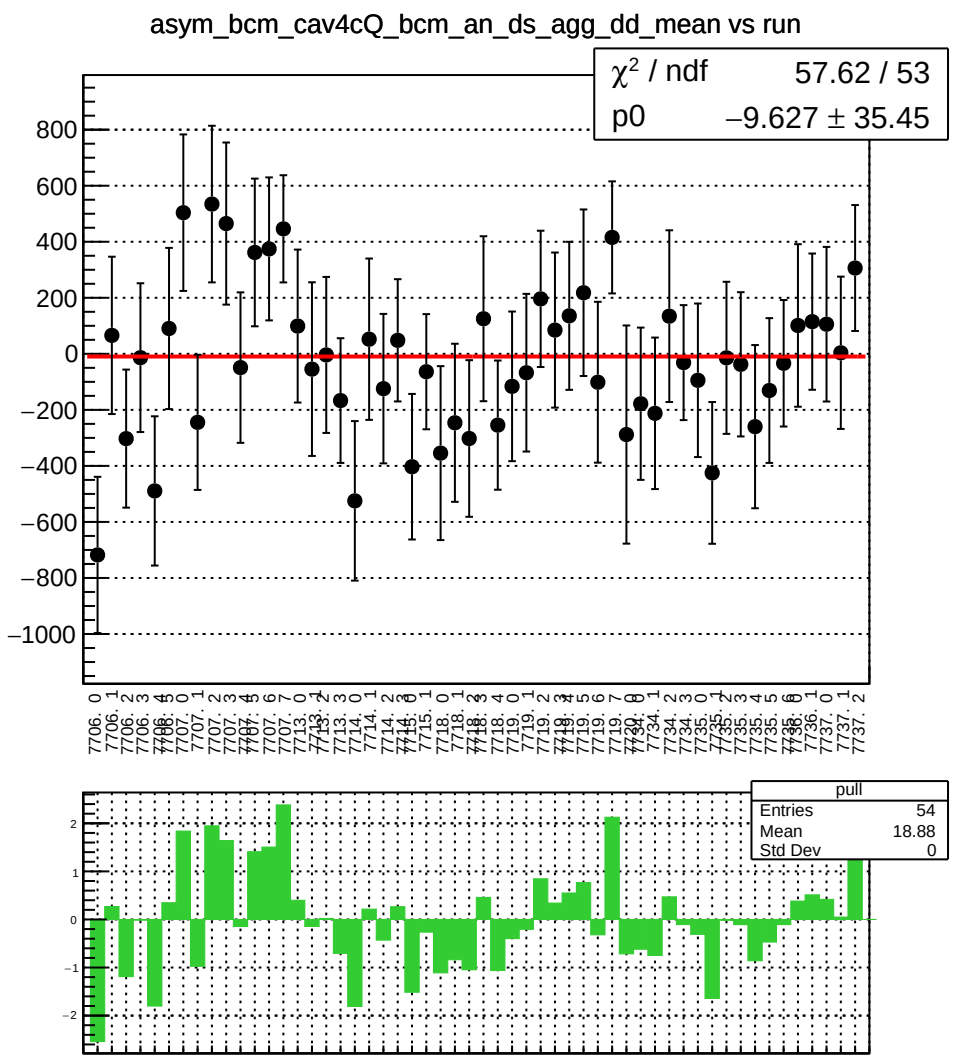

pull1D
Entries 54
Mean −0.01855
Std Dev 1.163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

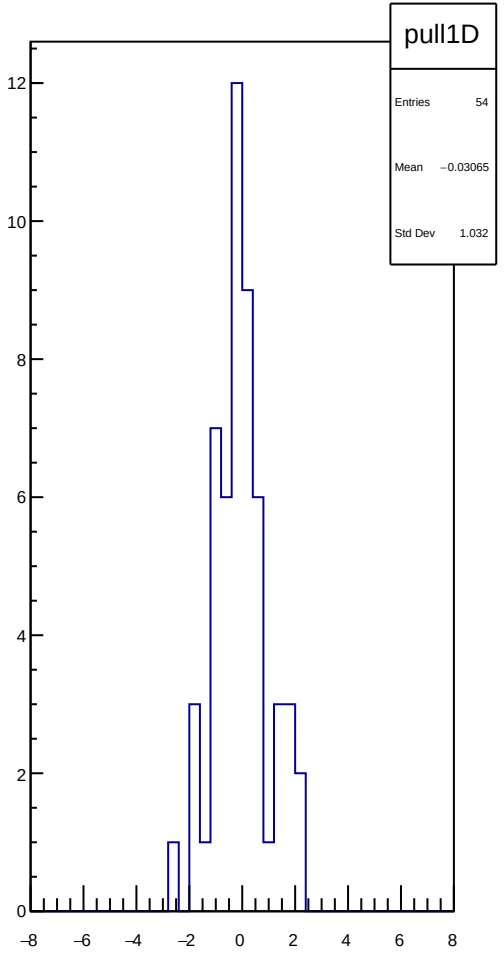

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3274 / 53
p0 25.9 ± 0.02518
30
29
28
27
26
25
24
23
22

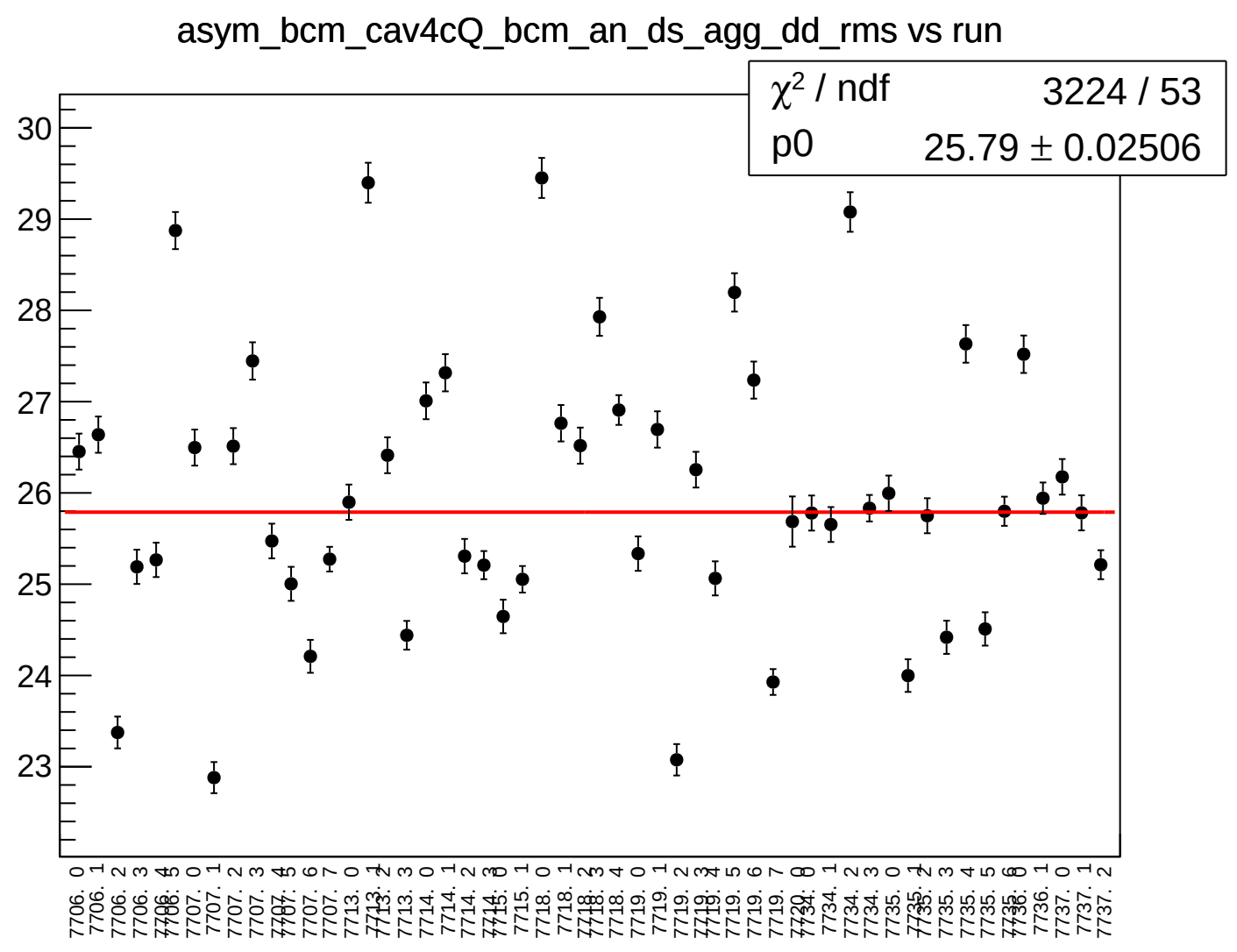

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.11 / 53
p0 −450.6 ± 370.3
pull
Entries 54
Mean 2691
Std Dev 0

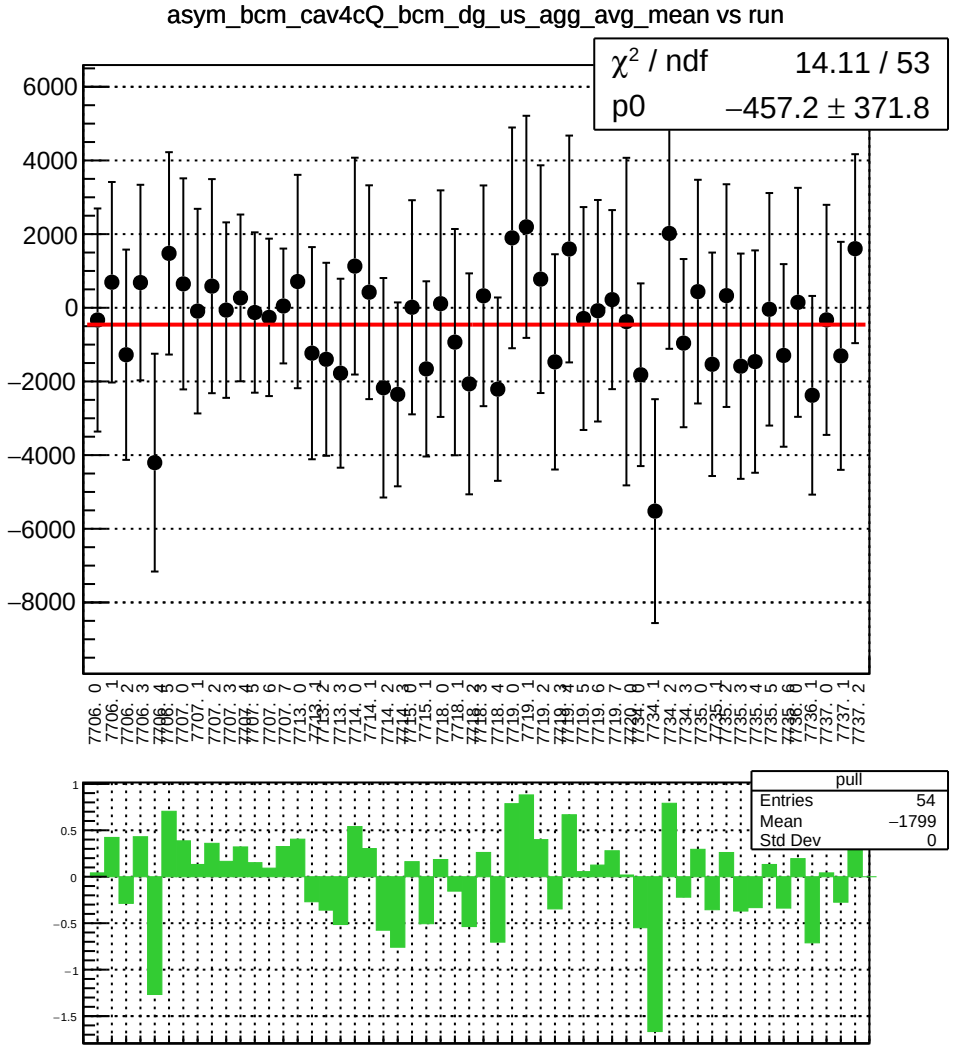

pull1D
Entries 54
Mean −0.0001888
Std Dev 0.5111

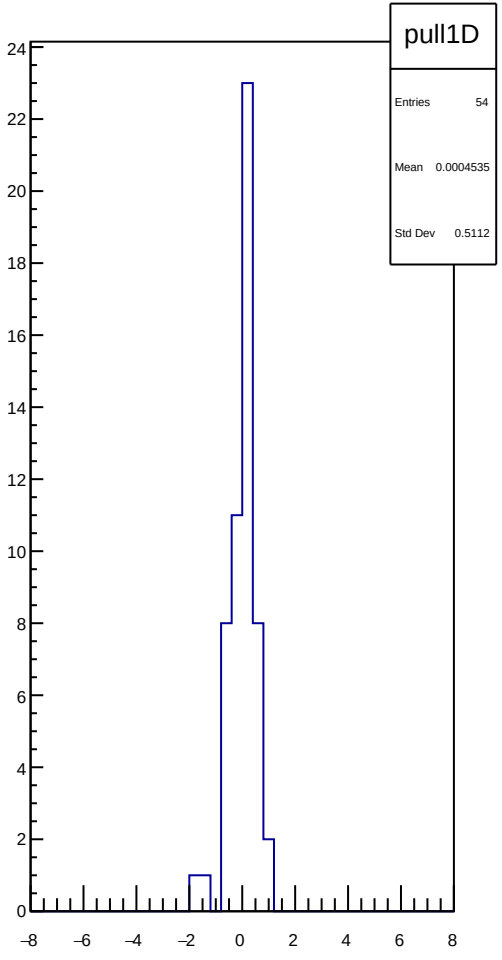

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.297e+04 / 53
p0 268.2 ± 0.2618
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

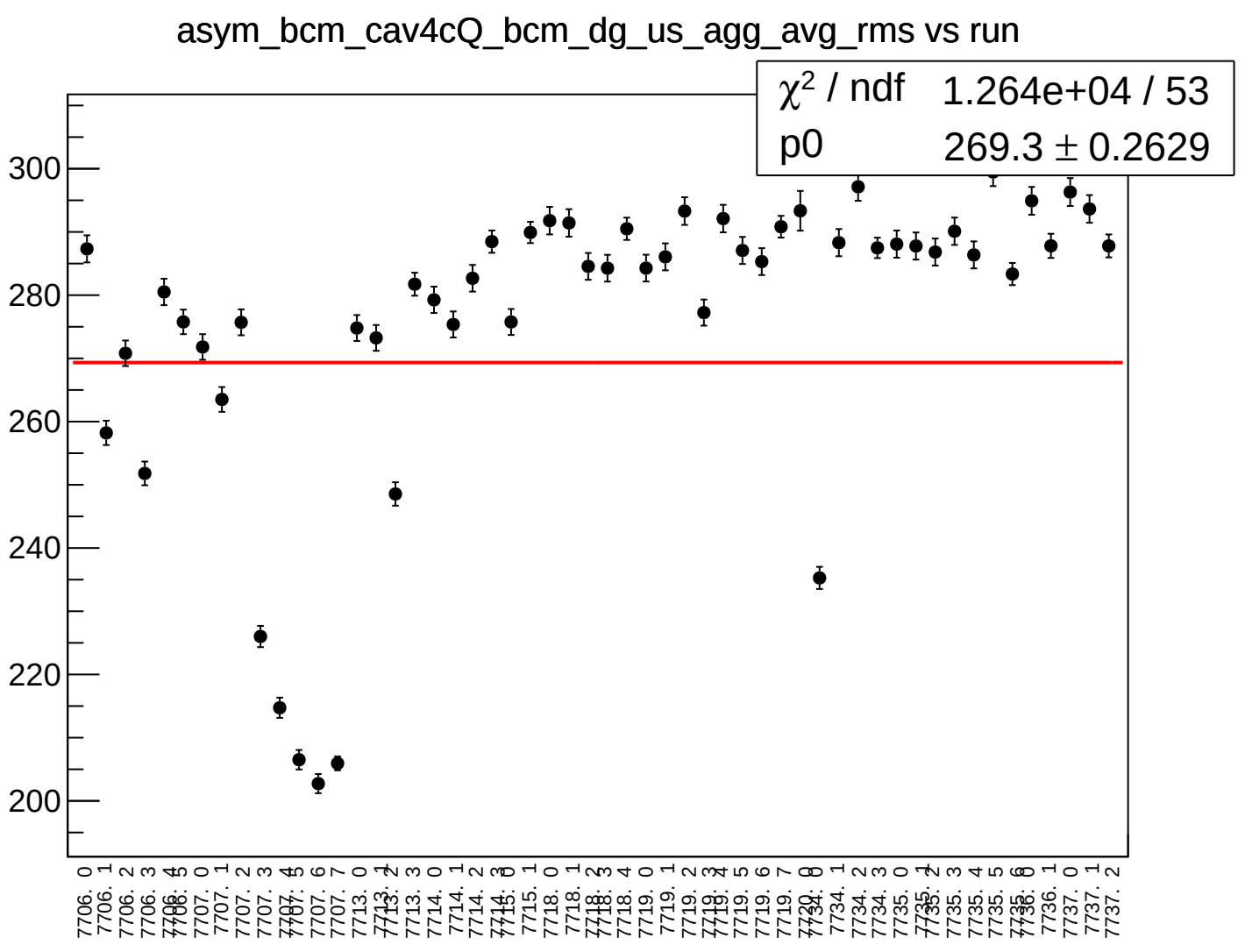

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 57.62 / 53
p0 −9.627 ± 35.45
pull
Entries 54
Mean 18.88
Std Dev 0

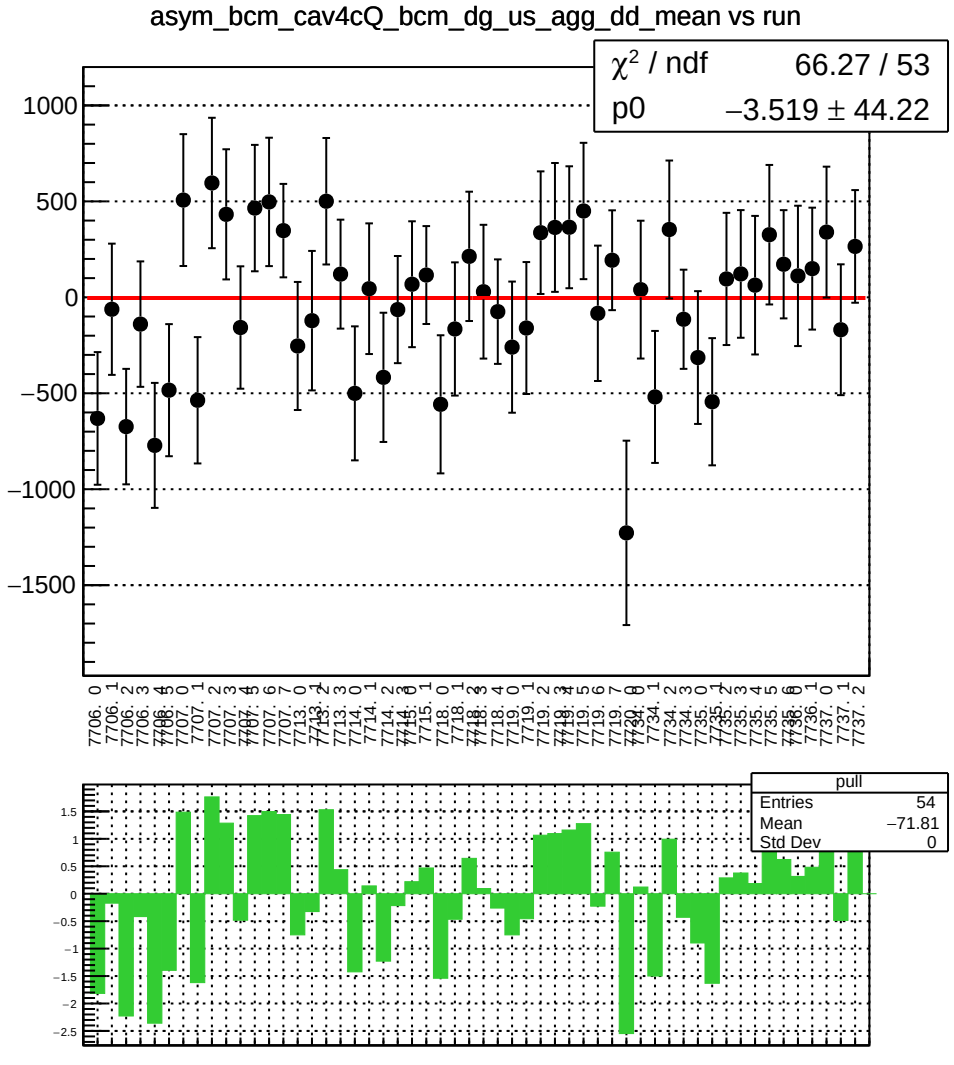

pull1D
Entries 54
Mean −0.03065
Std Dev 1.032

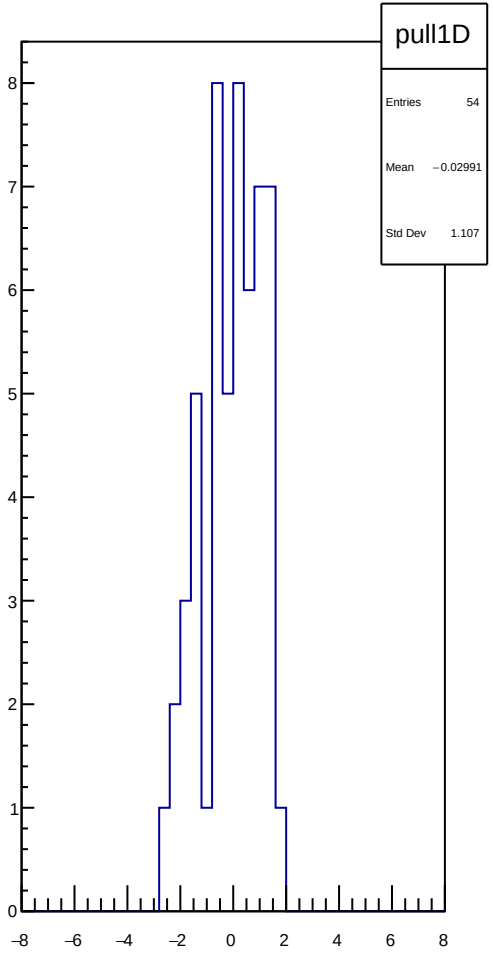

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3224 / 53
p0 25.79 ± 0.02506
30
29
28
27
26
25
24
23

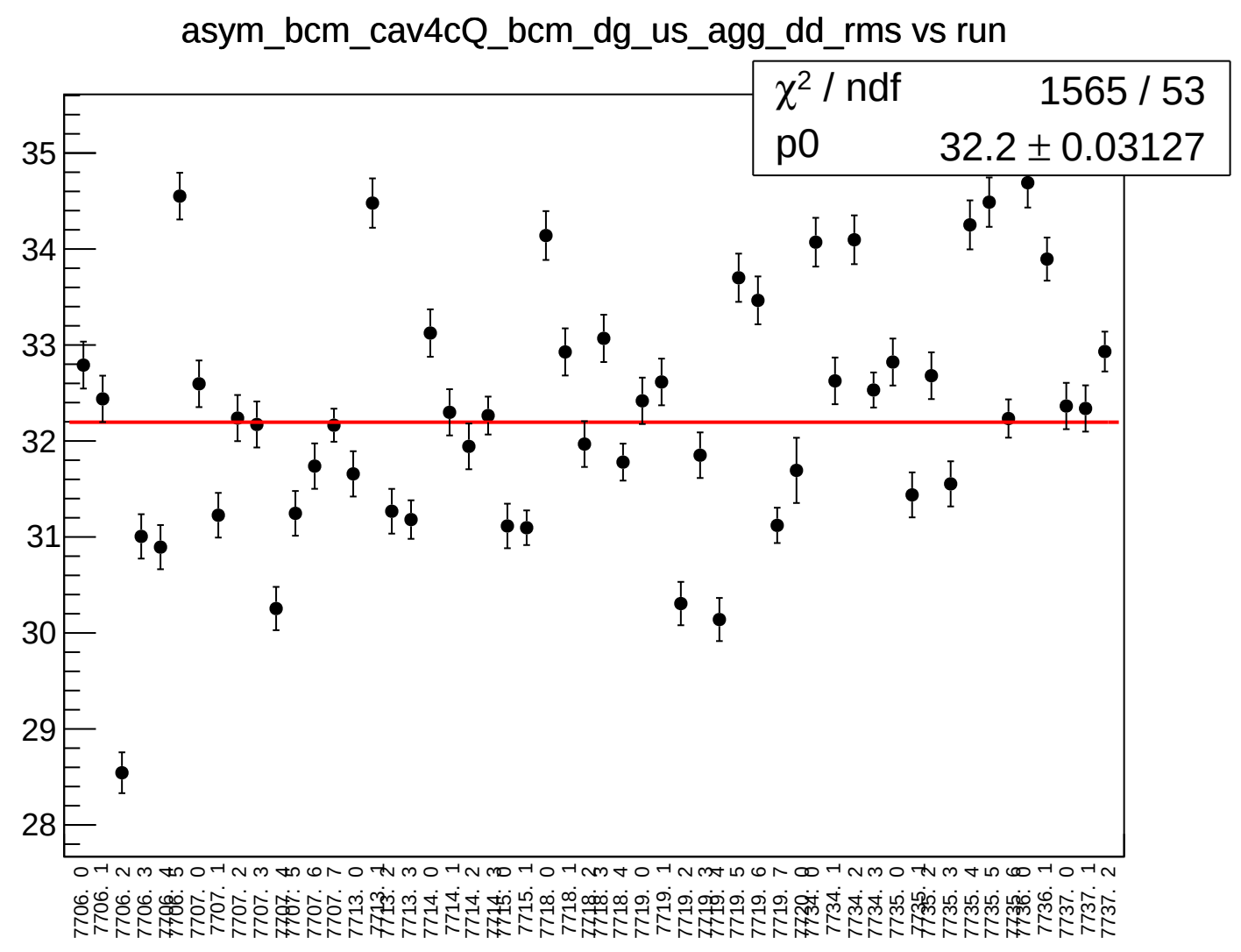

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 14.11 / 53
p0 −457.2 ± 371.8
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −1799
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

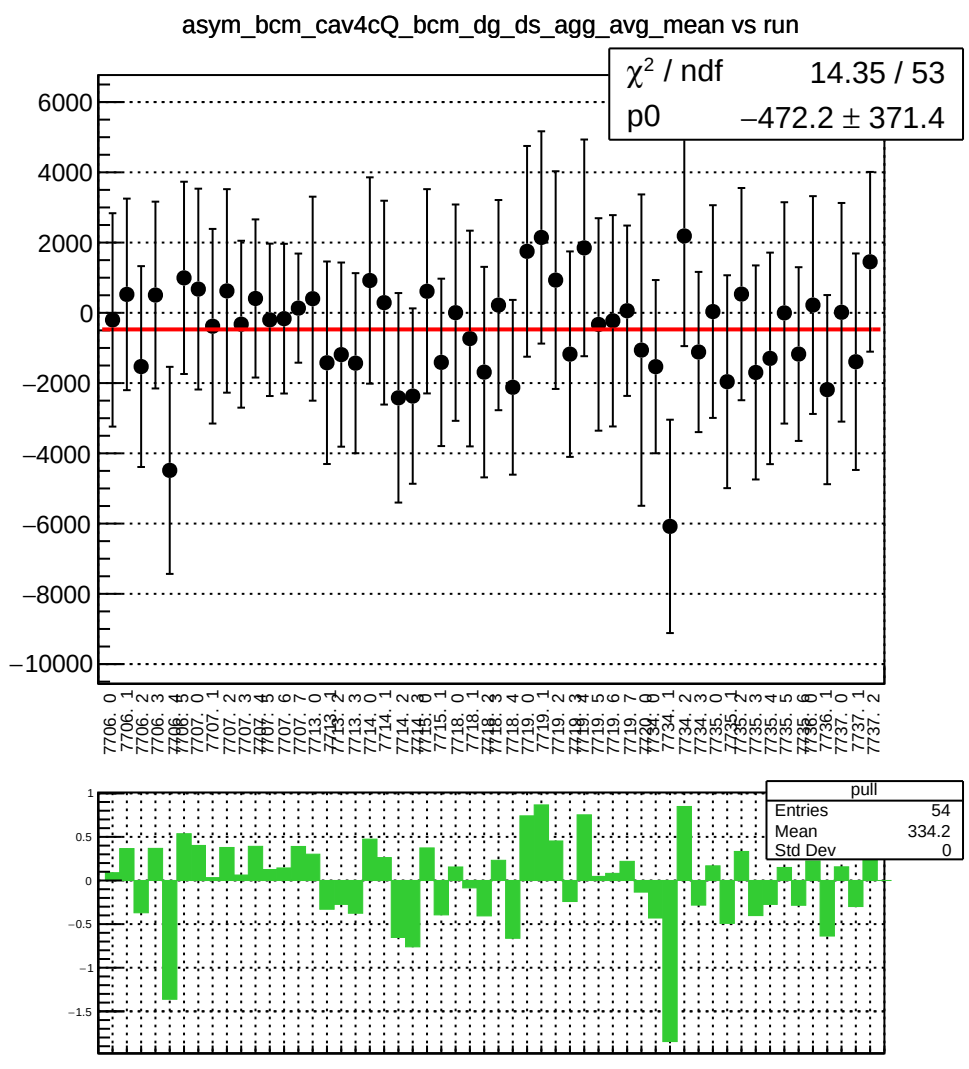

pull1D
Entries 54
Mean 0.0004535
Std Dev 0.5112
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

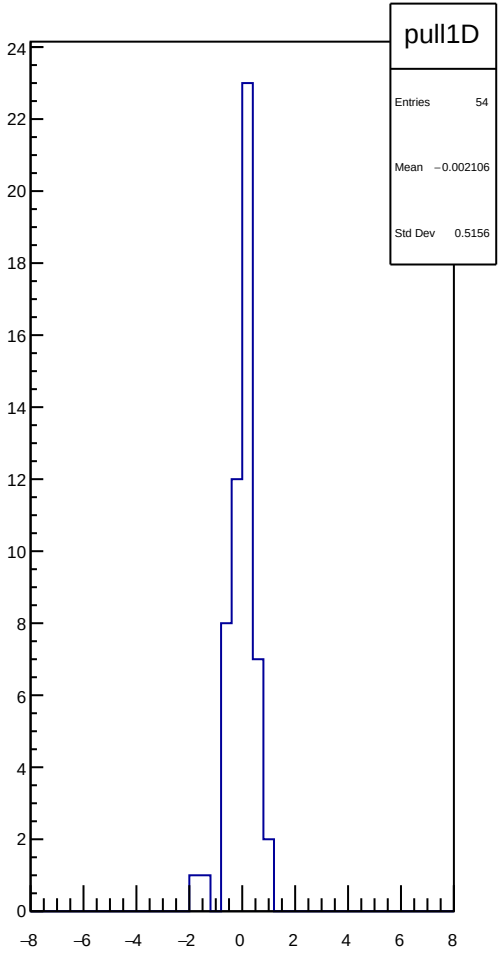

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.264e+04 / 53
p0 269.3 ± 0.2629
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

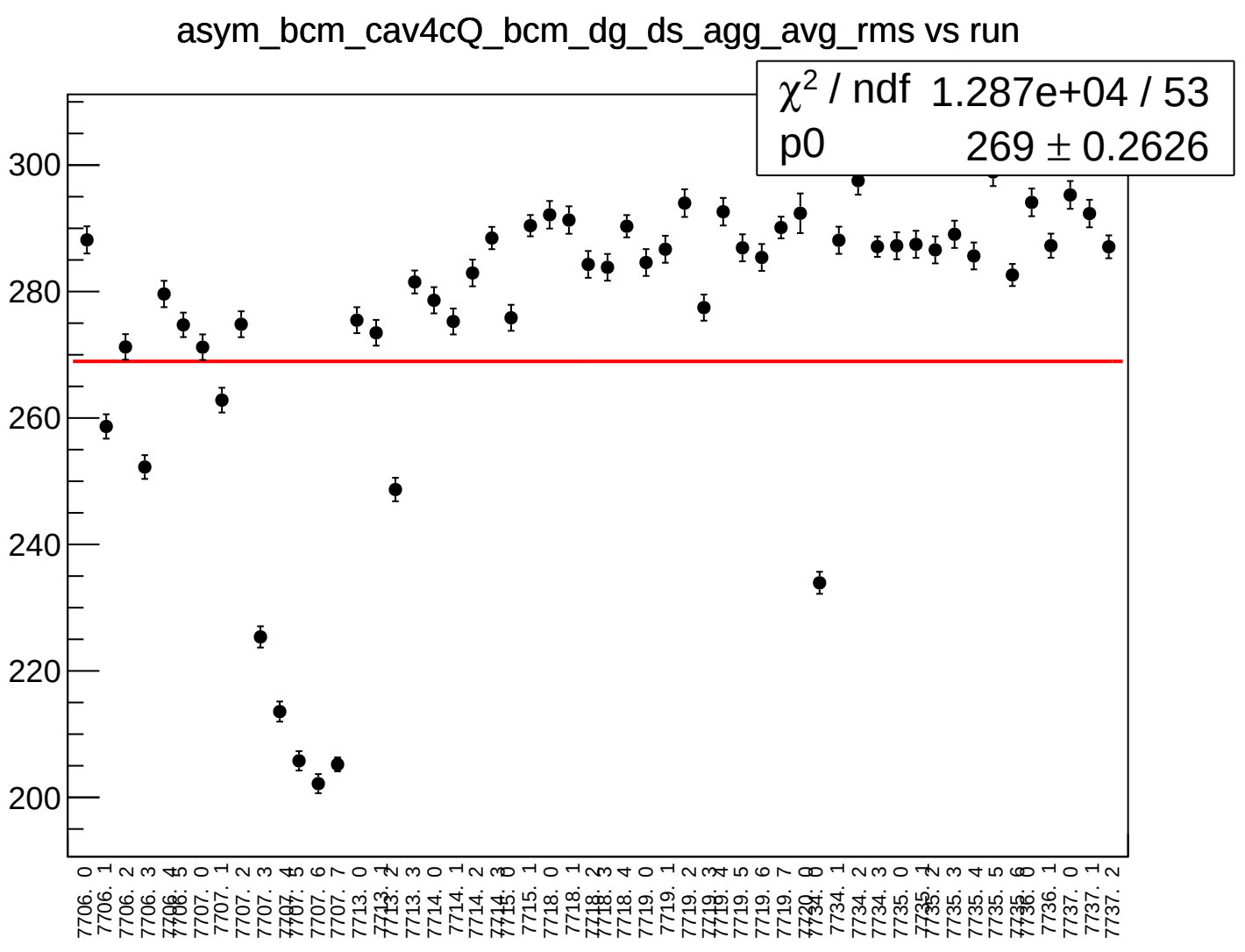

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 66.27 / 53
p0 −3.519 ± 44.22
pull
Entries 54
Mean −71.81
Std Dev 0

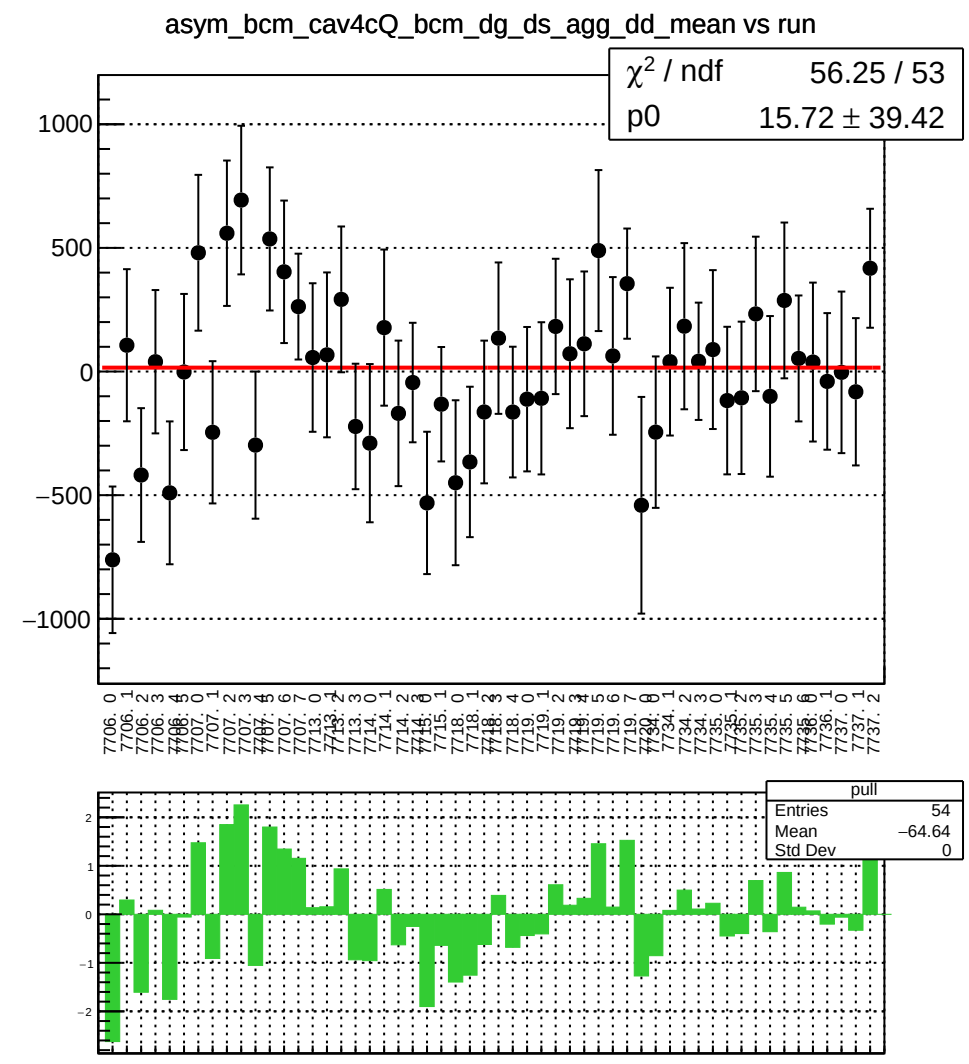

pull1D
Entries 54
Mean −0.02991
Std Dev 1.107

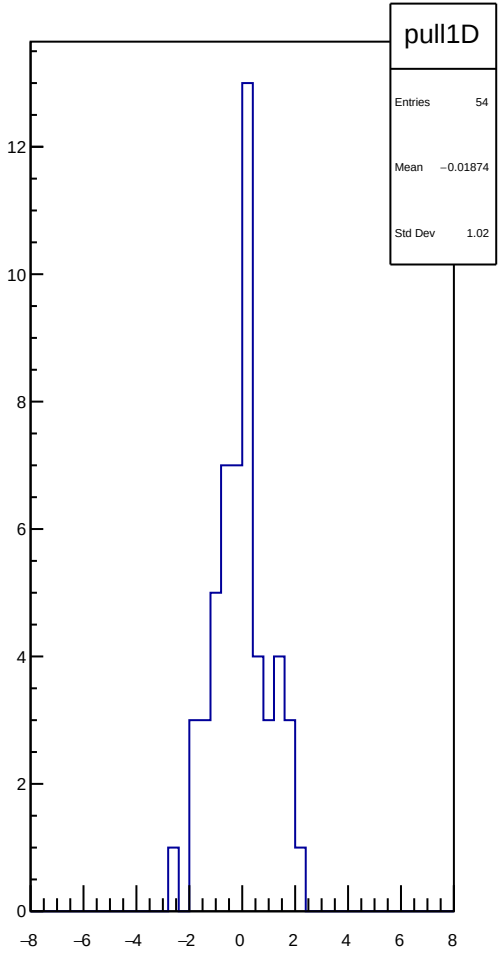

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1565 / 53
p0 32.2 ± 0.03127
35
34
33
32
31
30
29
28
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

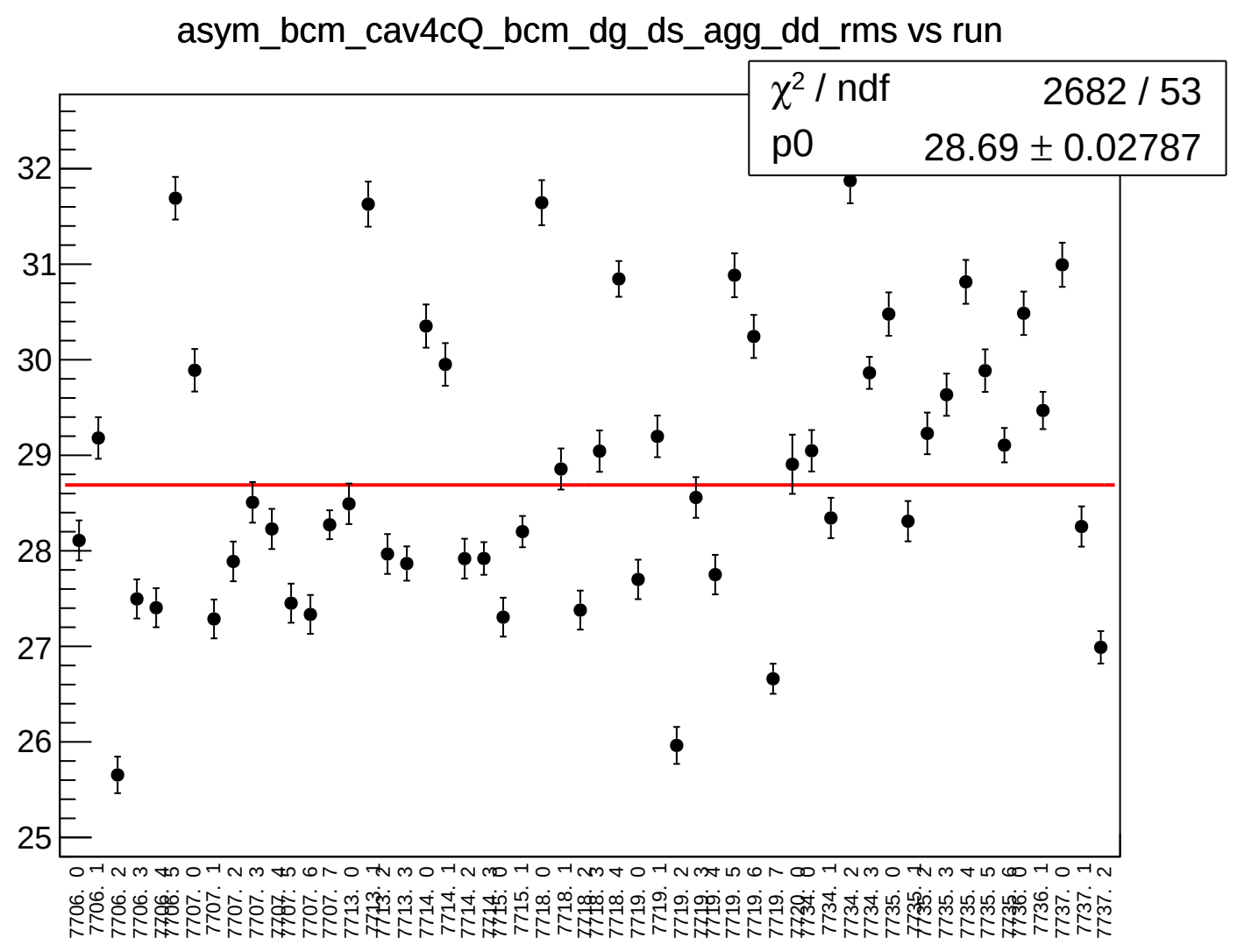

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 14.35 / 53
p0 −472.2 ± 371.4
pull
Entries 54
Mean 334.2
Std Dev 0

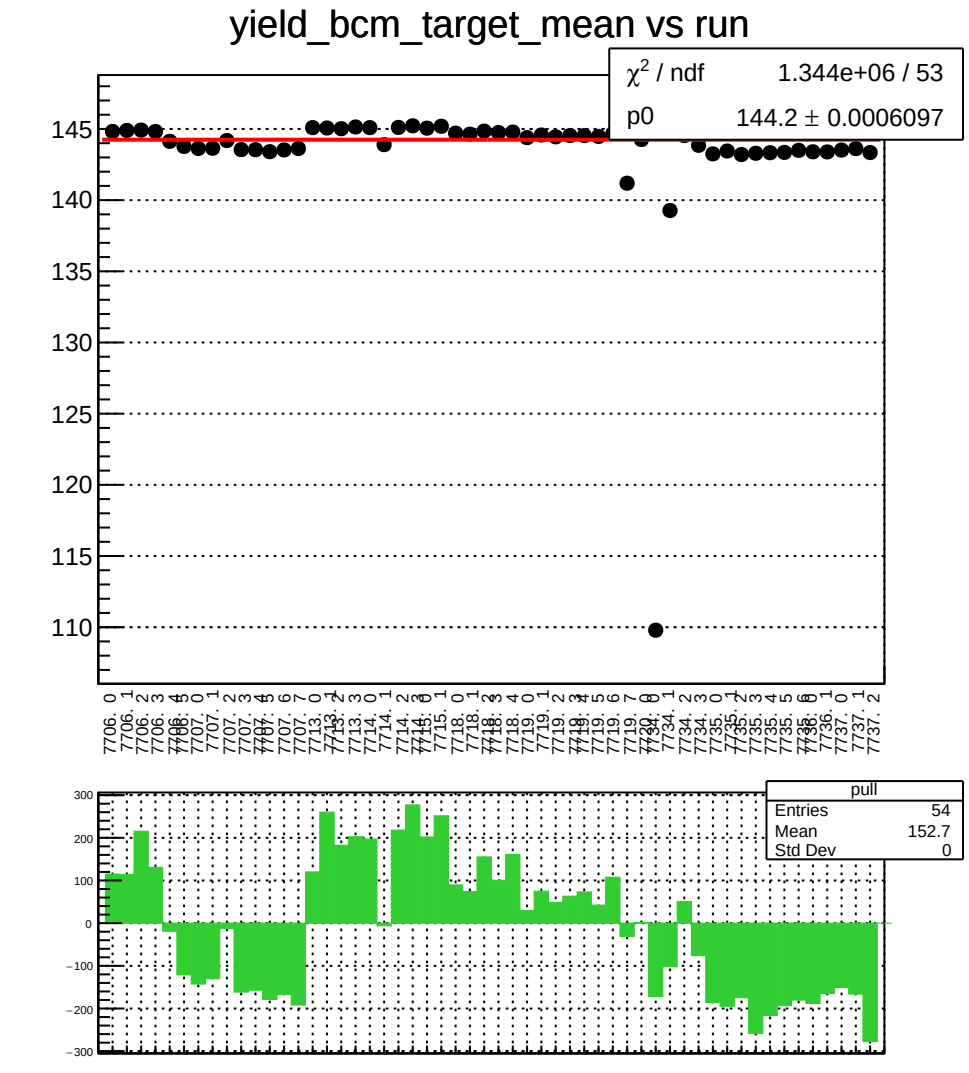

pull1D
Entries 54
Mean −0.002106
Std Dev 0.5156

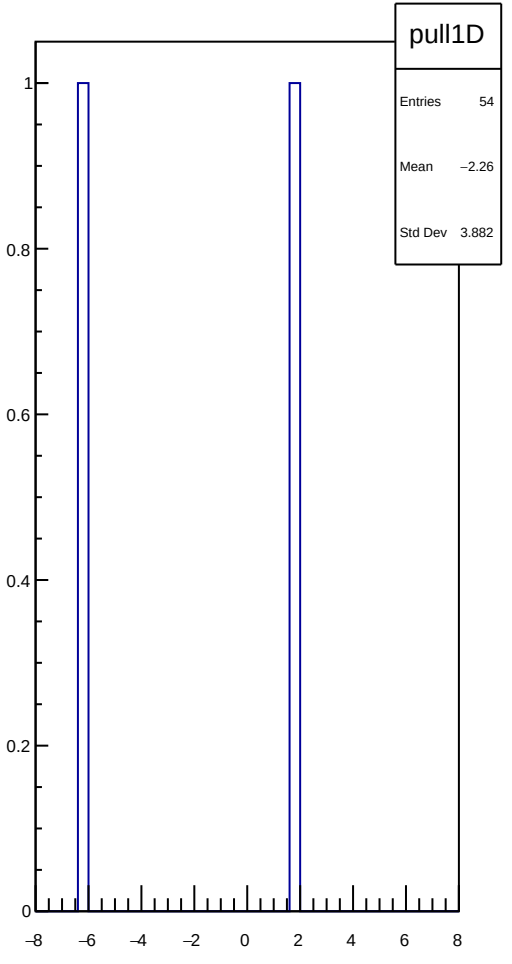

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.287e+04 / 53
p0 269 ± 0.2626
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

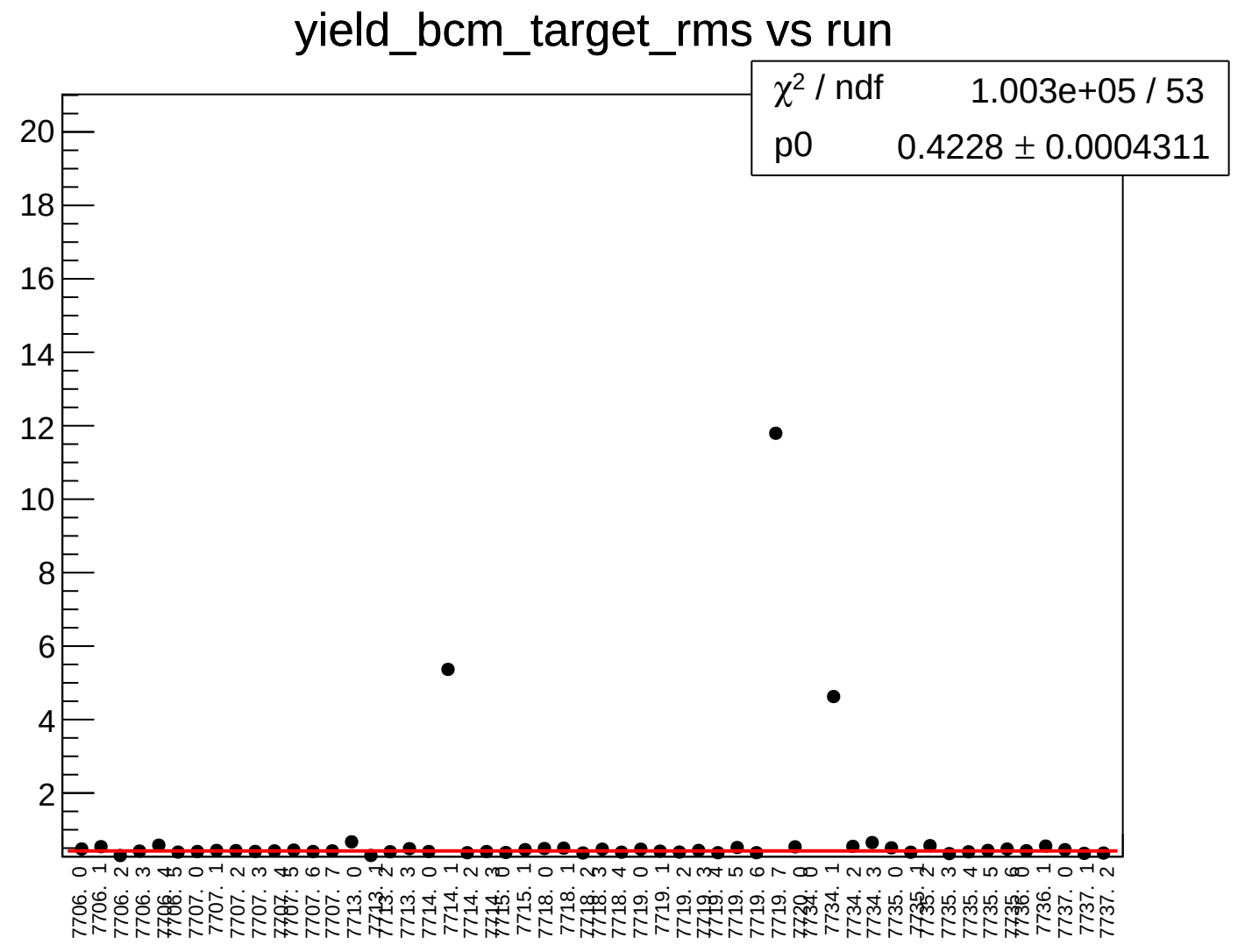

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 56.25 / 53
p0 15.72 ± 39.42
1000
500
0
−500
−1000
pull
Entries 54
Mean −64.64
Std Dev 0
2
1
0
−1
−2

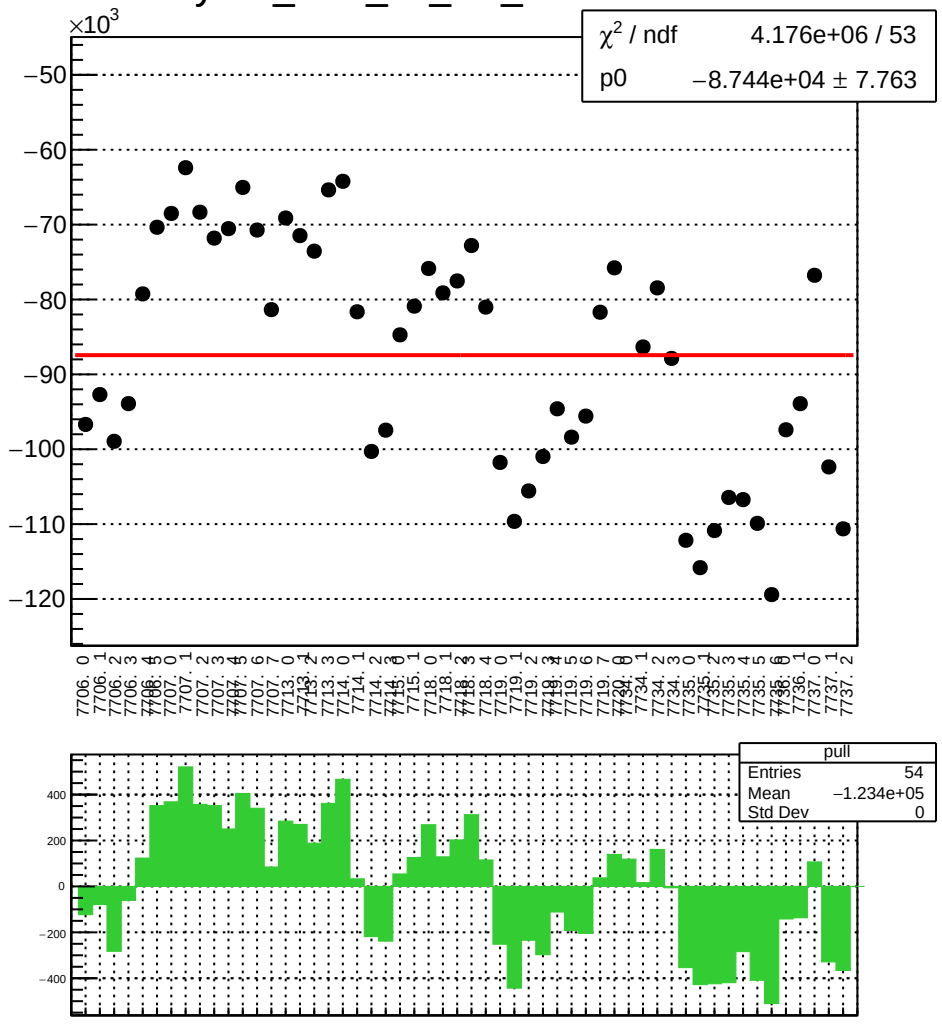

pull1D
Entries 54
Mean −0.01874
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

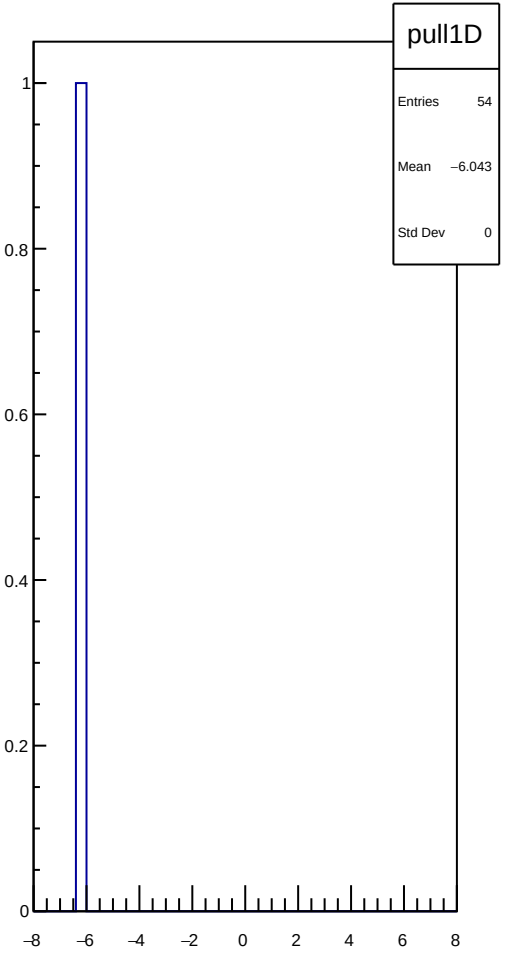

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2682 / 53
p0 28.69 ± 0.02787
32
31
30
29
28
27
26
25

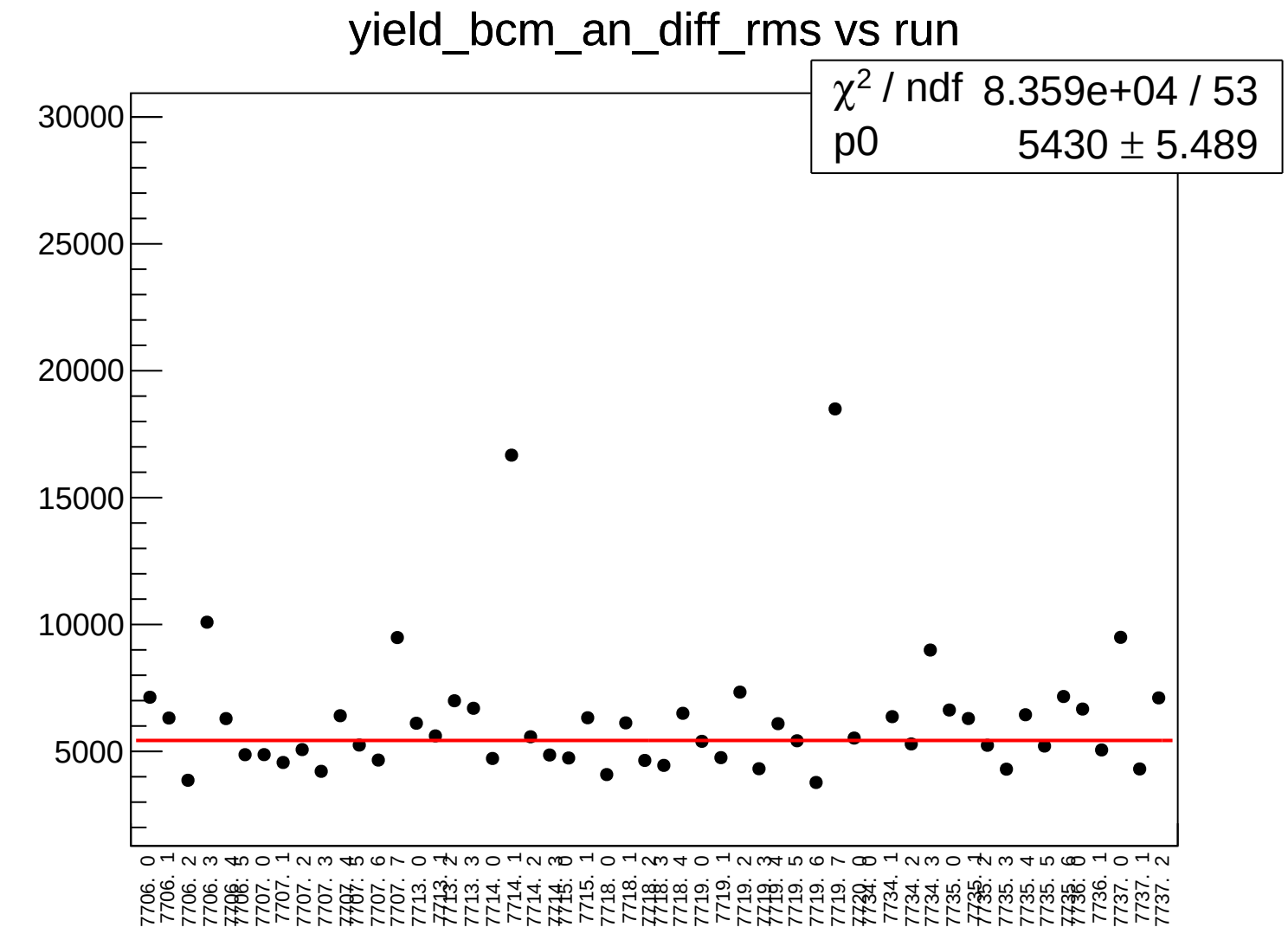

yield_bcm_target_mean vs run
χ² / ndf 1.344e+06 / 53
p0 144.2 ± 0.0006097
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 152.7
Std Dev 0
300
200
100
0
−100
−200
−300

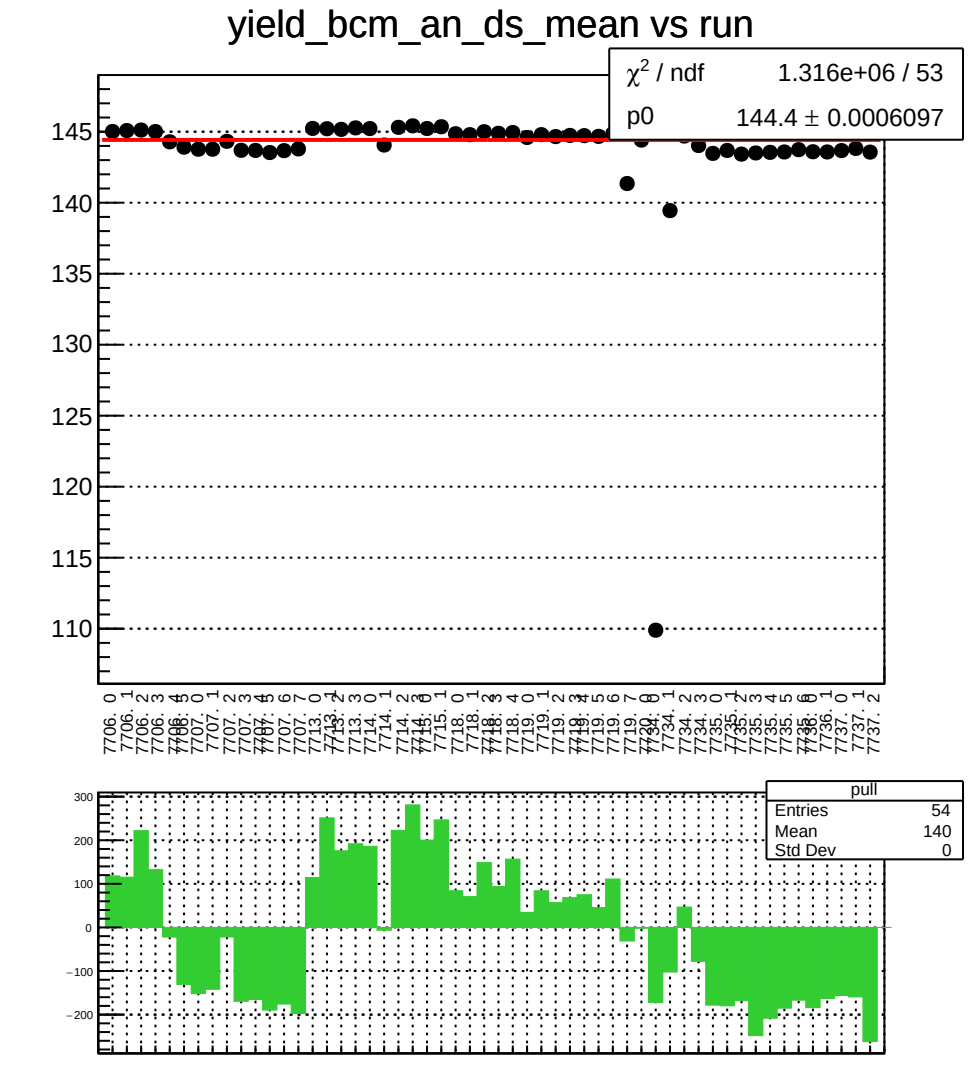

pull1D
Entries 54
Mean −2.26
Std Dev 3.882
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

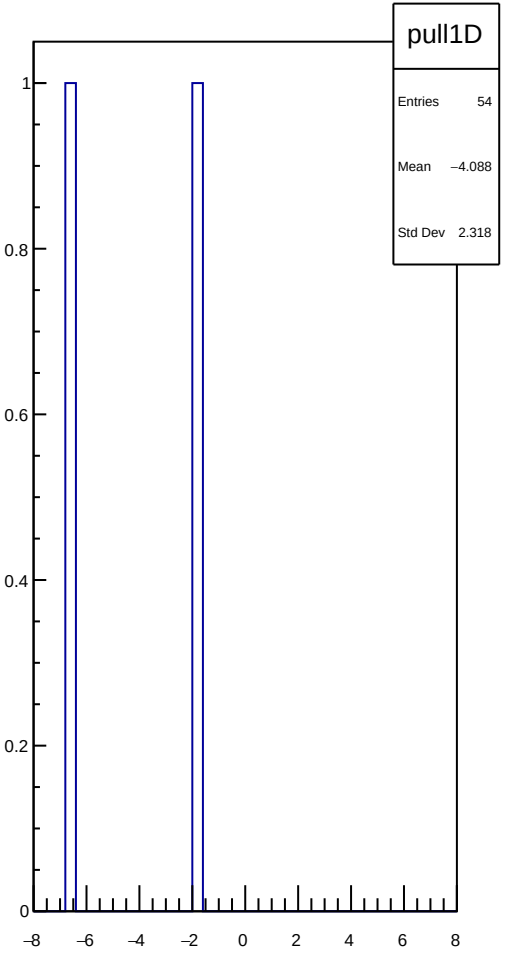

yield_bcm_target_rms vs run
χ² / ndf 1.003e+05 / 53
p0 0.4228 ± 0.0004311
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

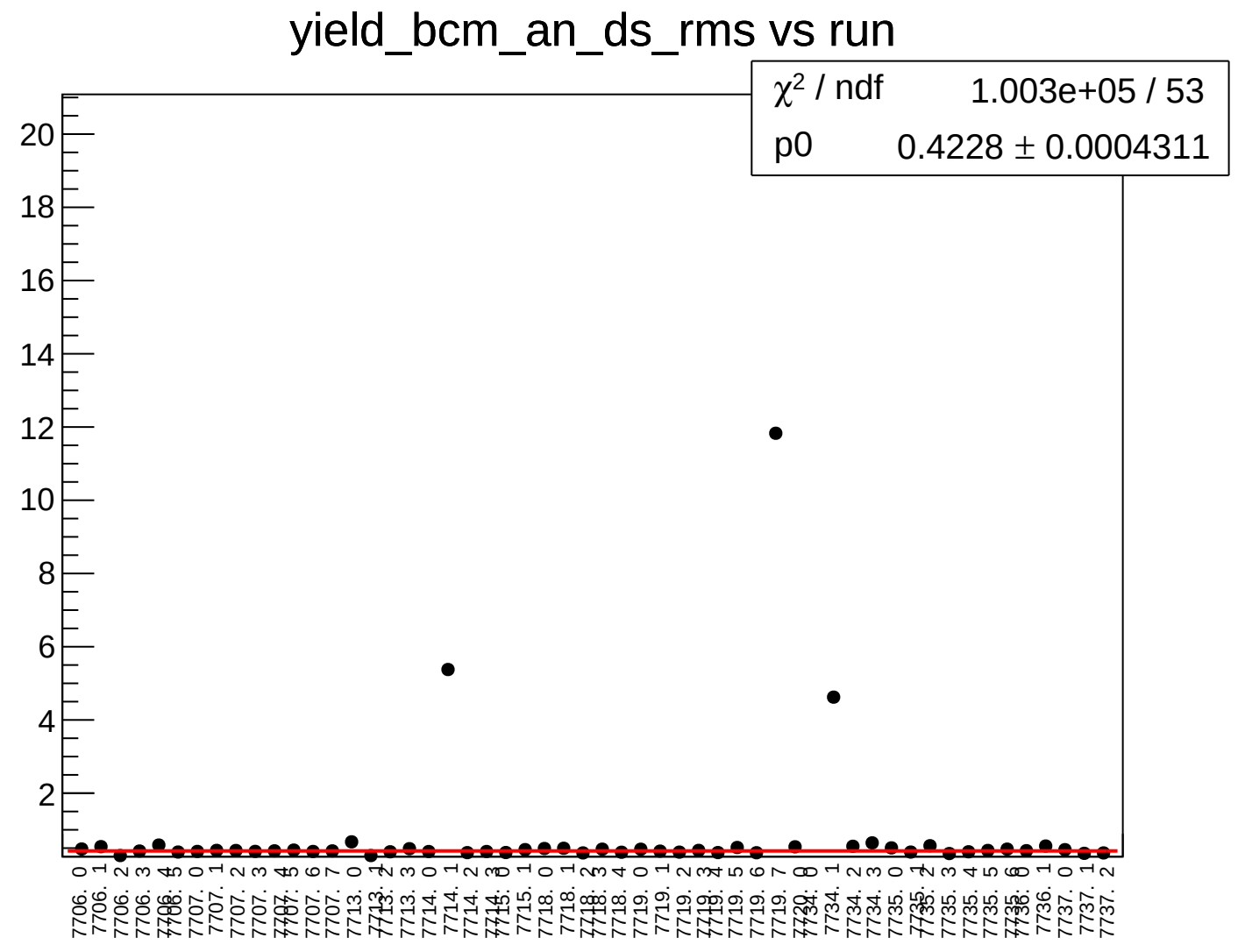

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 4.176e+06 / 53
p0 −8.744e+04 ± 7.763
pull
Entries 54
Mean −1.234e+05
Std Dev 0

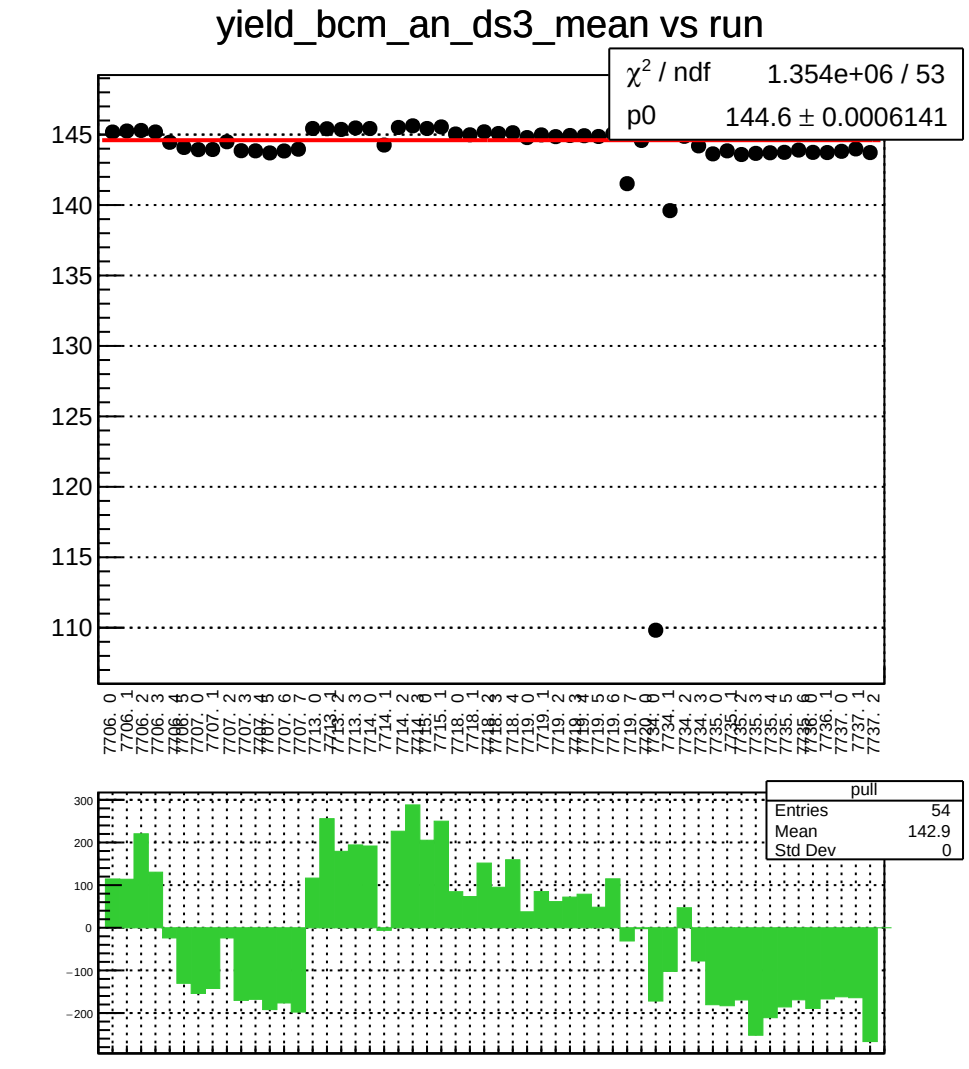

pull1D
Entries 54
Mean −6.043
Std Dev 0

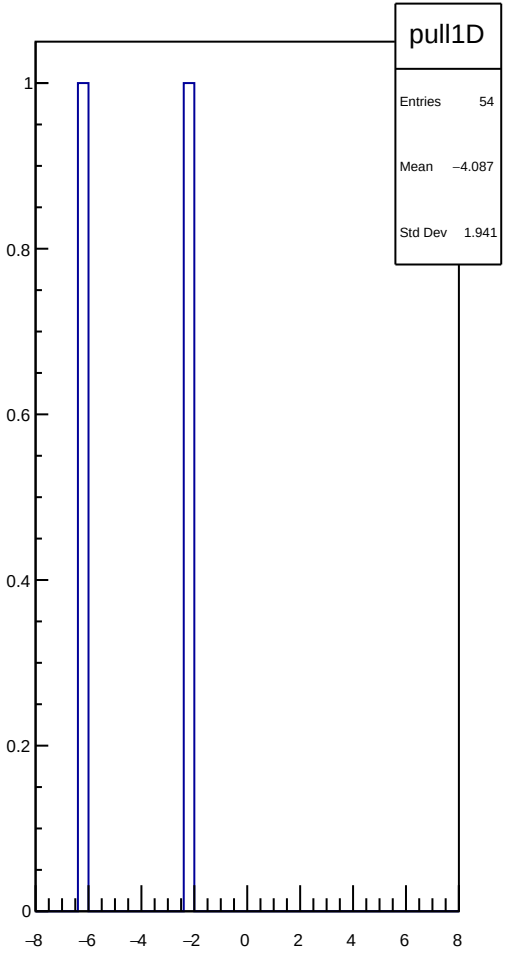

yield_bcm_an_diff_rms vs run
χ² / ndf 8.359e+04 / 53
p0 5430 ± 5.489
30000
25000
20000
15000
10000
5000

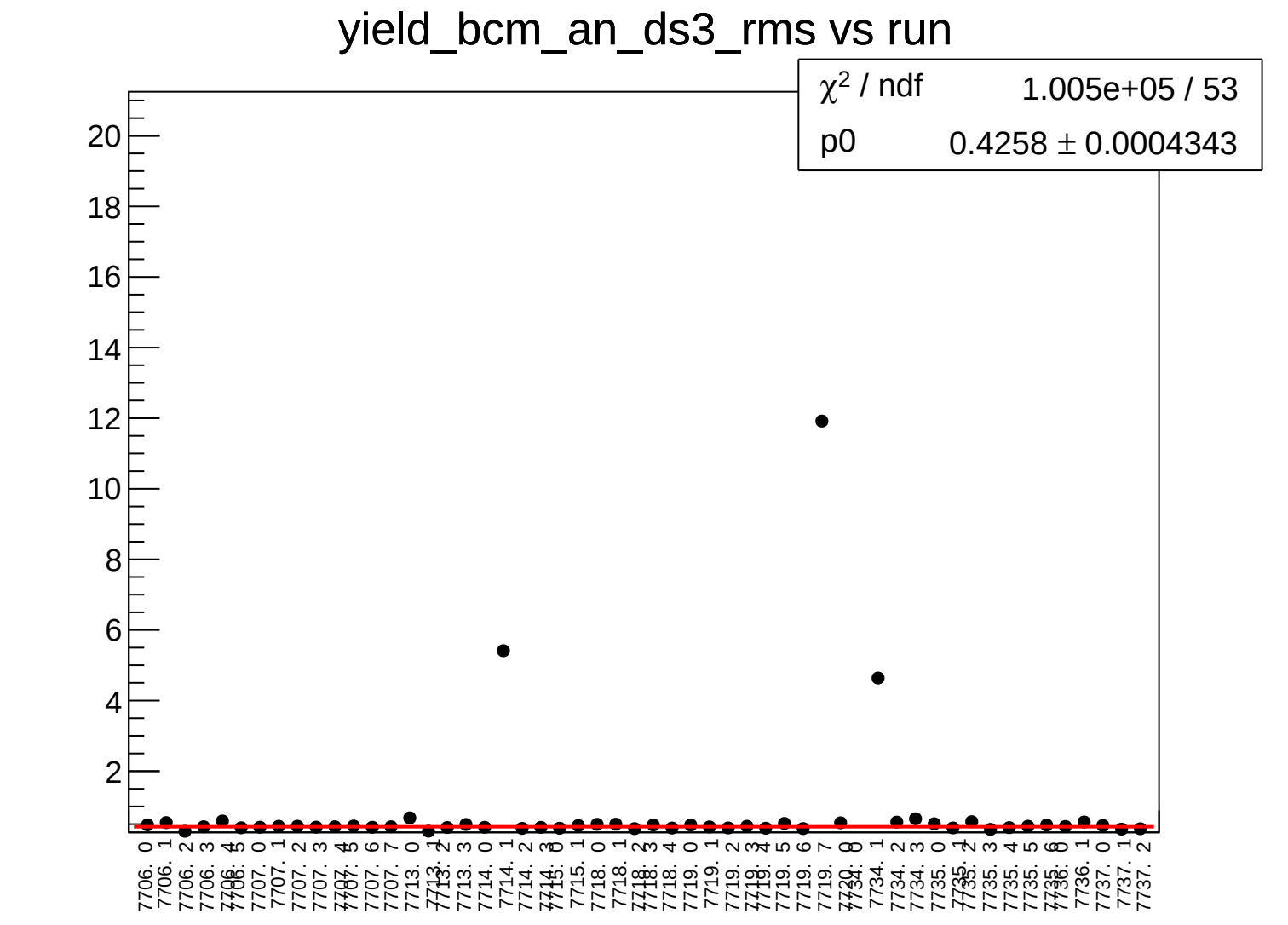

yield_bcm_an_ds_mean vs run
χ² / ndf 1.316e+06 / 53
p0 144.4 ± 0.0006097
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 140
Std Dev 0
300
200
100
0
−100
−200

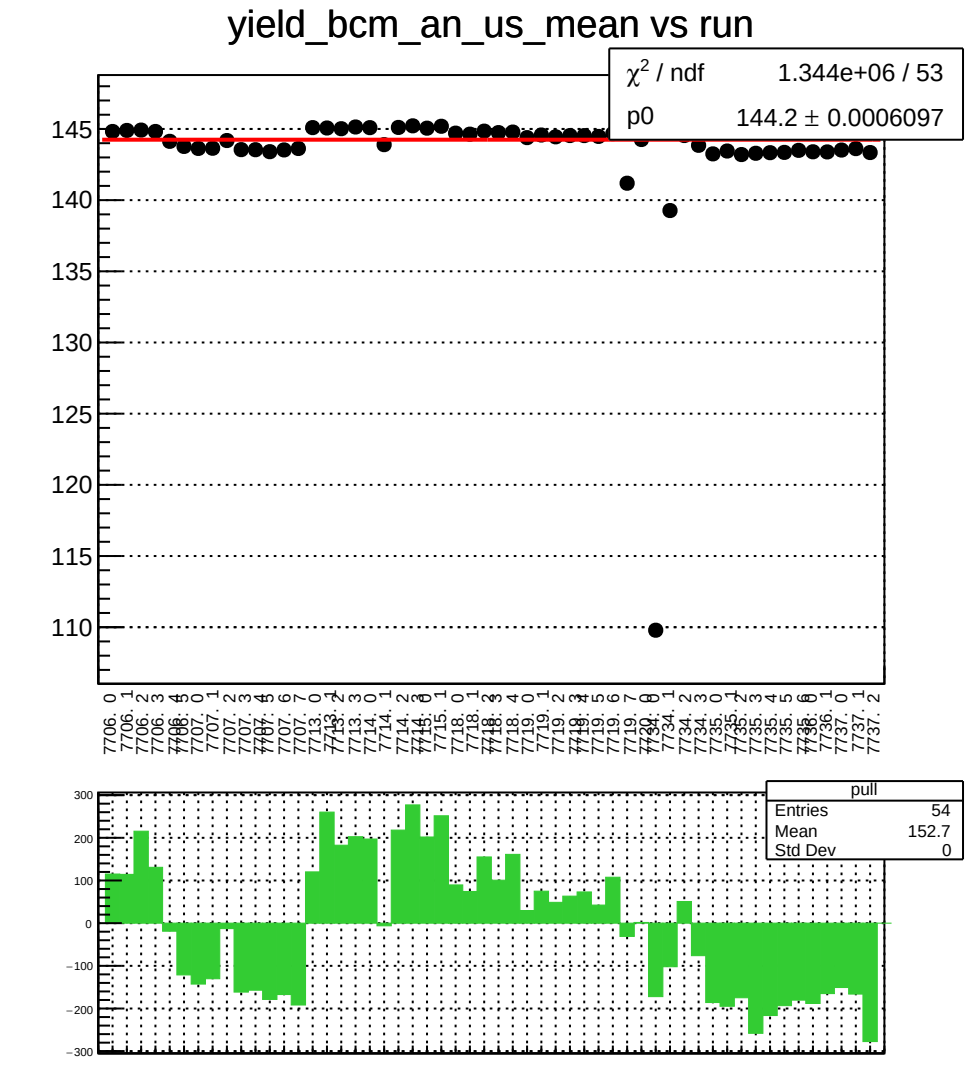

pull1D
Entries 54
Mean −4.088
Std Dev 2.318
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

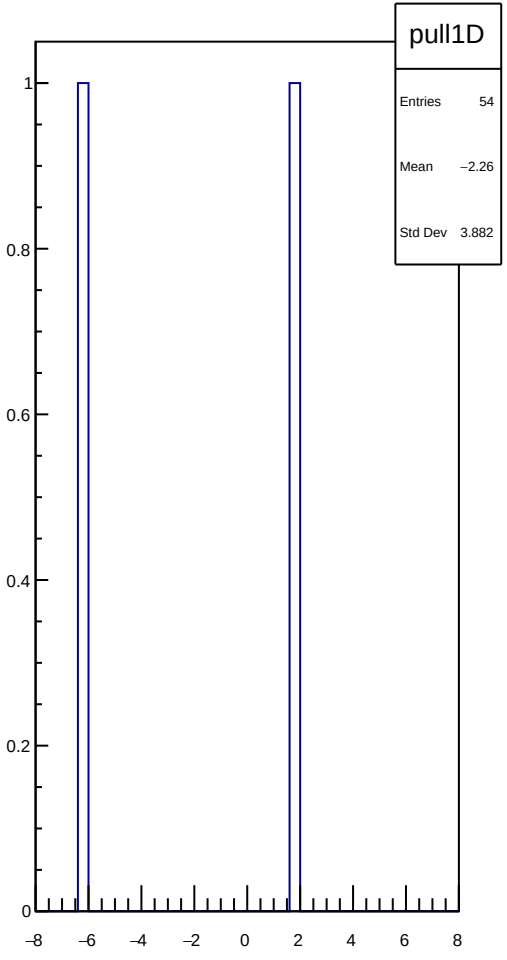

yield_bcm_an_ds_rms vs run
χ² / ndf 1.003e+05 / 53
p0 0.4228 ± 0.0004311
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

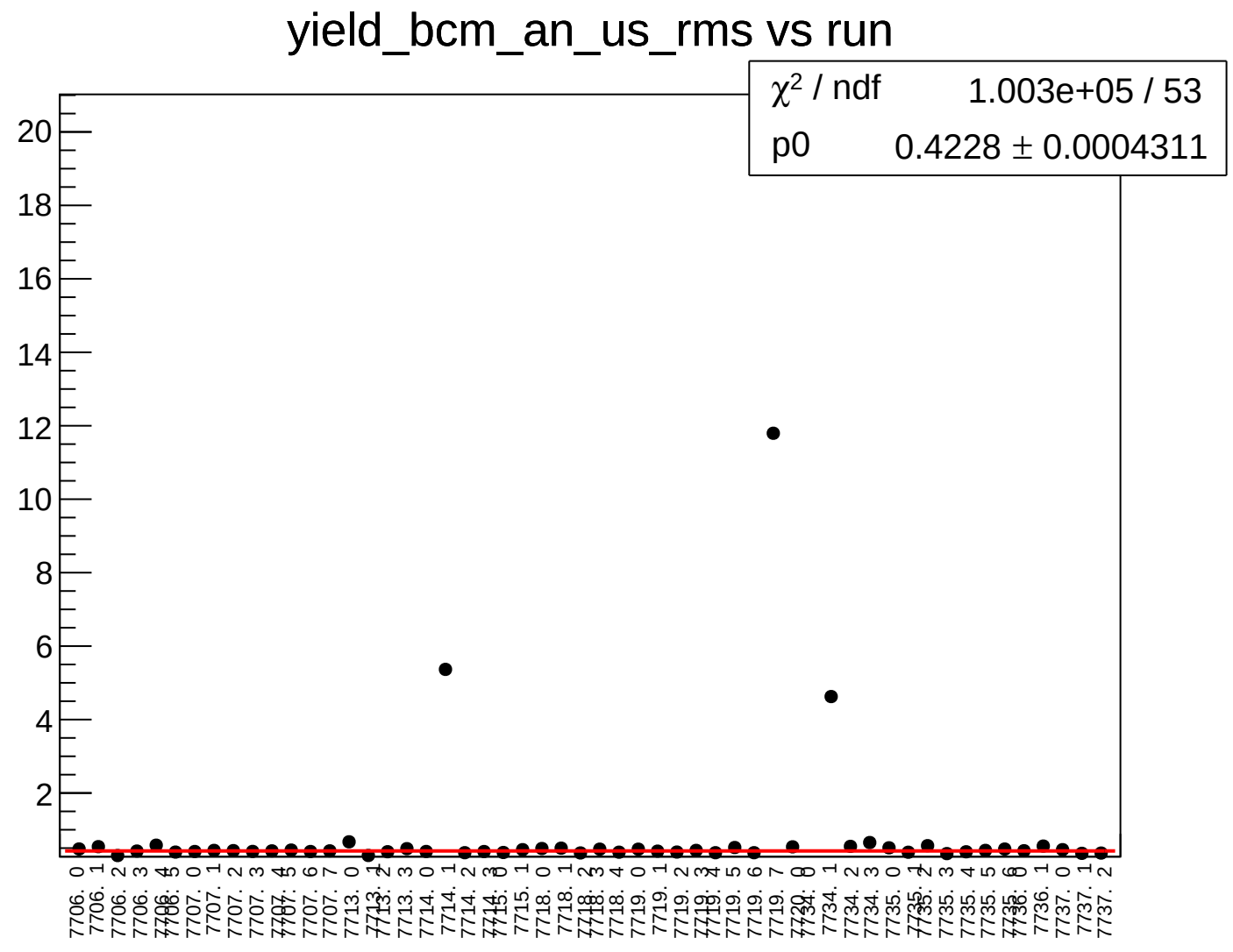

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.354e+06 / 53
p0 144.6 ± 0.0006141
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 142.9
Std Dev 0
300
200
100
0
−100
−200

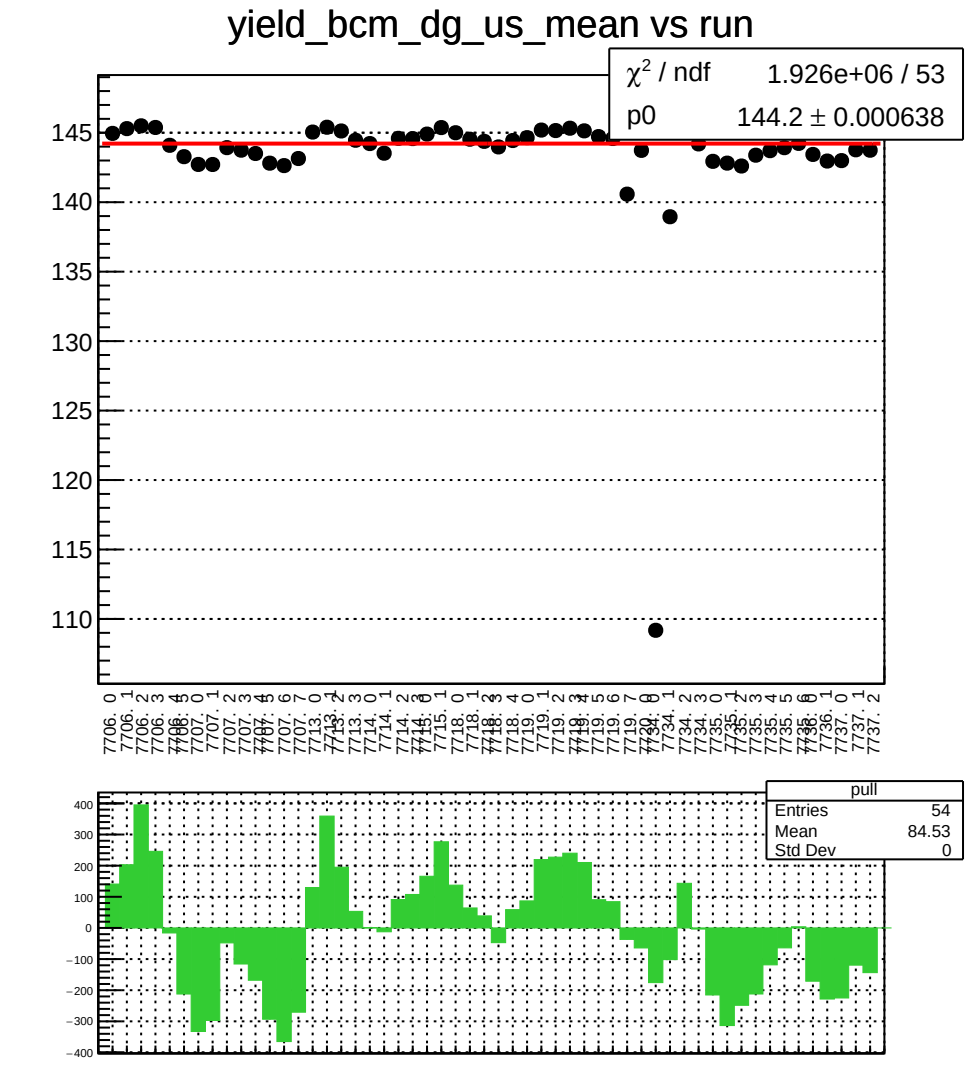

pull1D
Entries 54
Mean −4.087
Std Dev 1.941
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

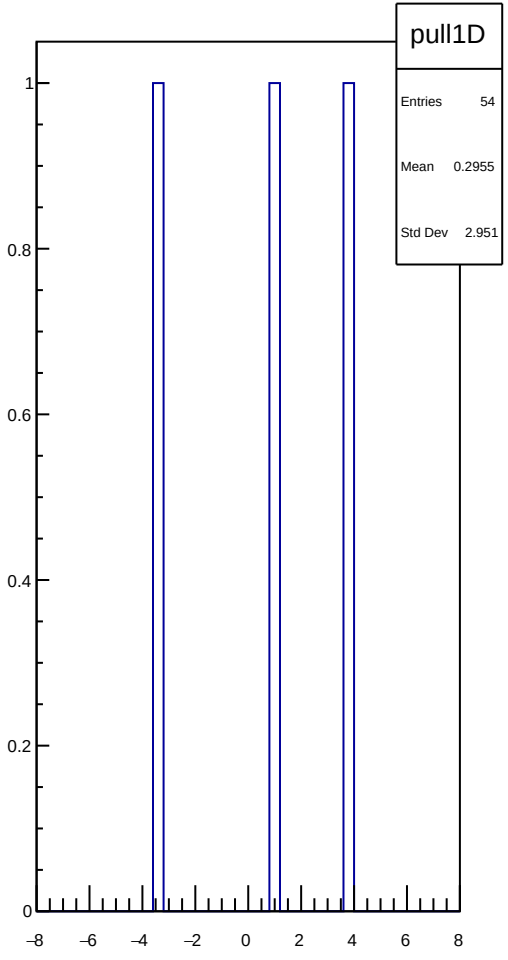

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.005e+05 / 53
p0 0.4258 ± 0.0004343
20
18
16
14
12
10
8
6
4
2

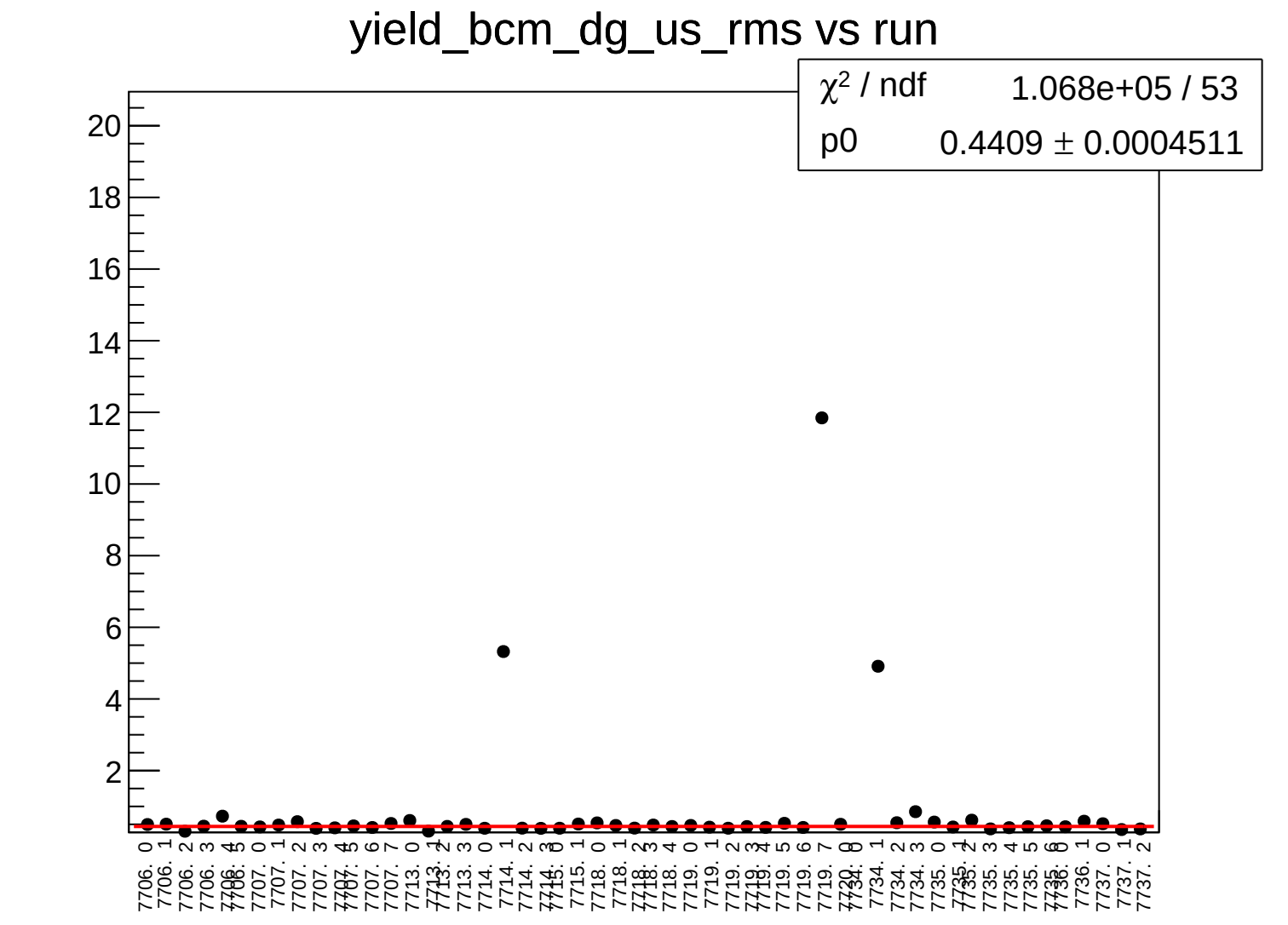

yield_bcm_an_us_mean vs run
χ² / ndf 1.344e+06 / 53
p0 144.2 ± 0.0006097
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 152.7
Std Dev 0
300
200
100
0
−100
−200
−300

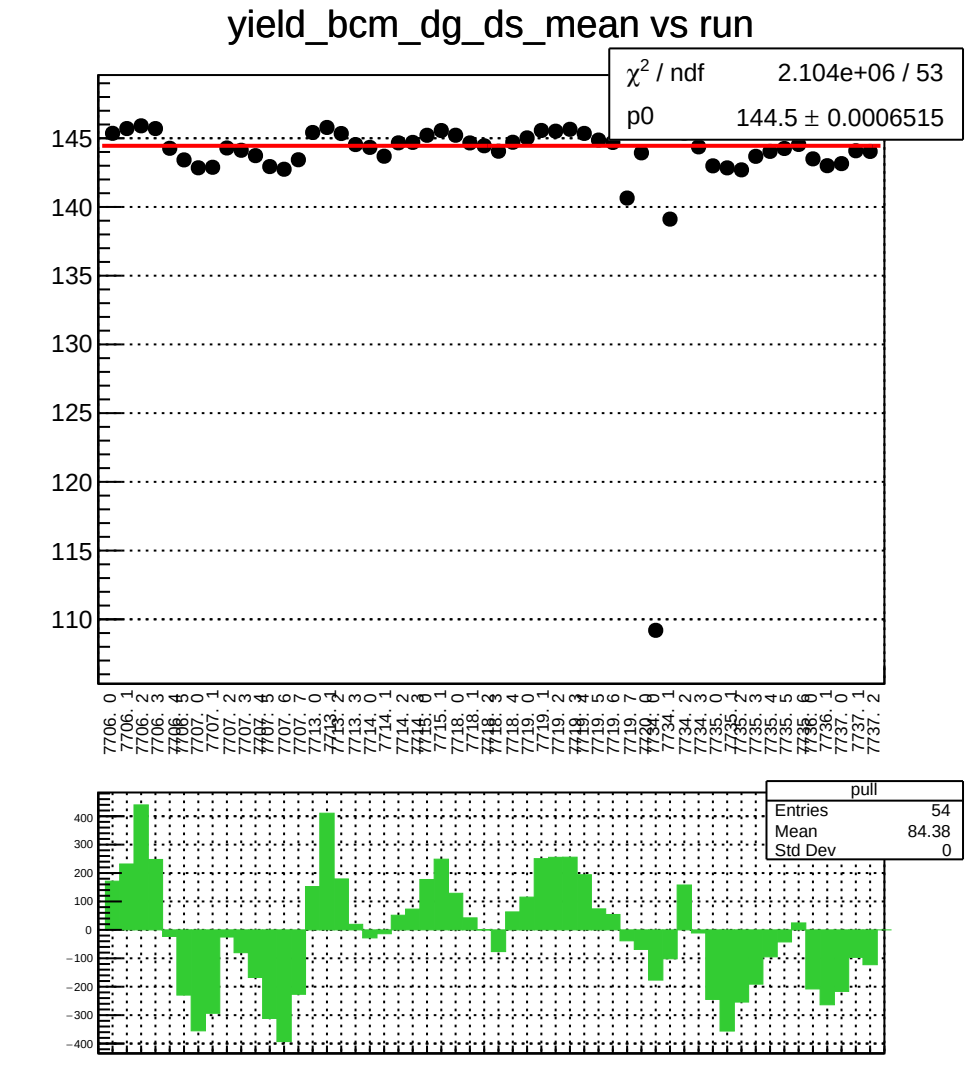

pull1D
Entries 54
Mean −2.26
Std Dev 3.882
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

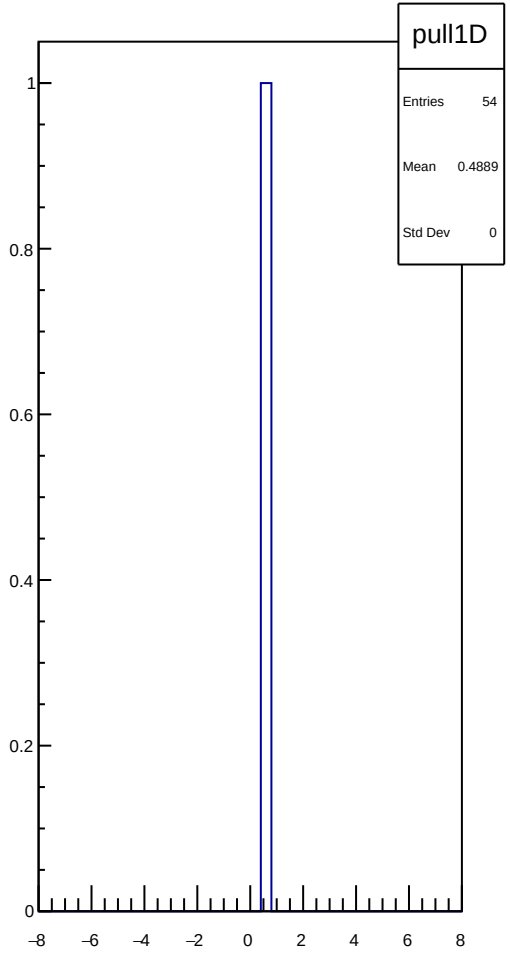

yield_bcm_an_us_rms vs run
χ² / ndf 1.003e+05 / 53
p0 0.4228 ± 0.0004311
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

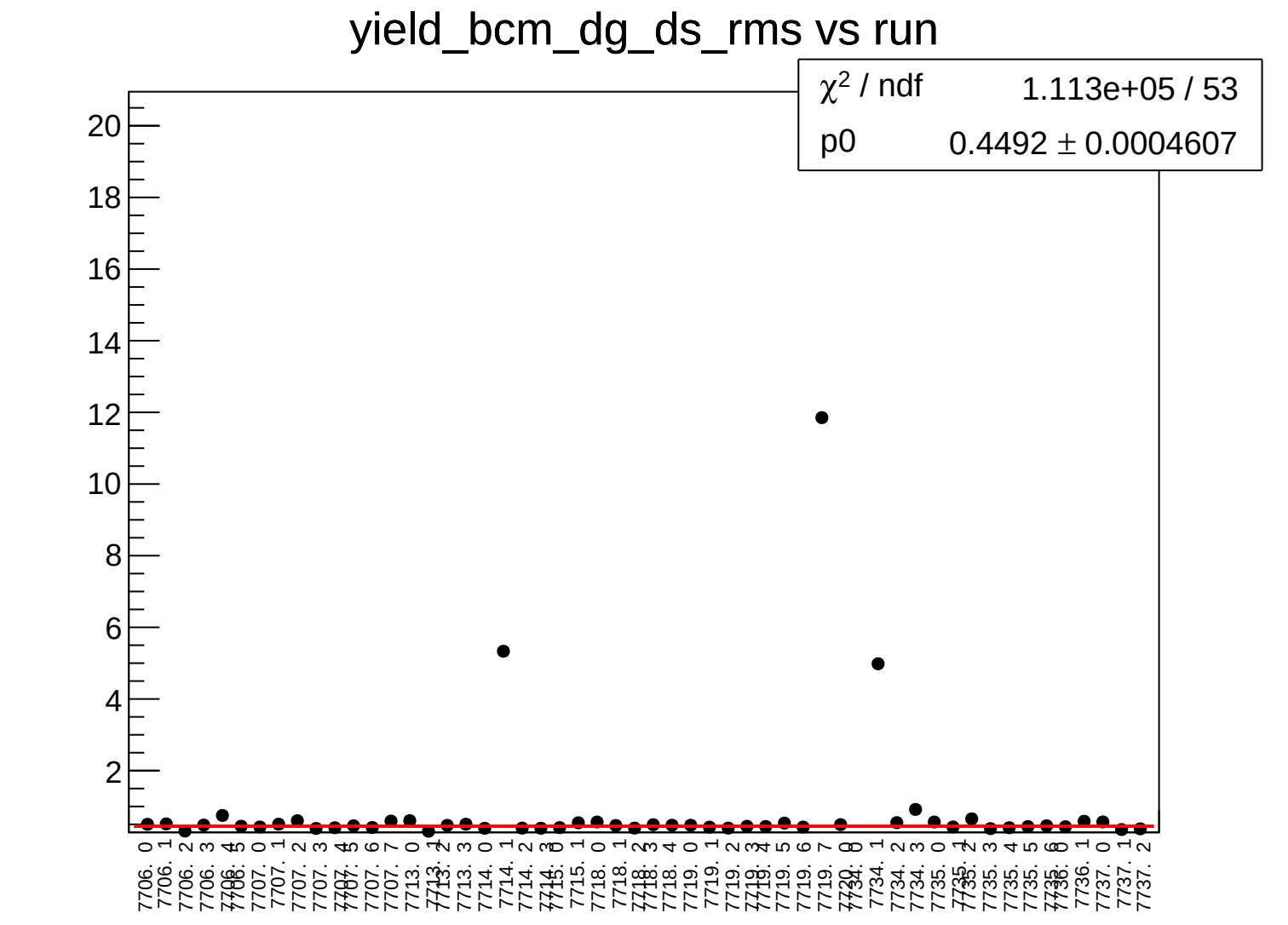

yield_bcm_dg_us_mean vs run
χ² / ndf 1.926e+06 / 53
p0 144.2 ± 0.000638
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 84.53
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

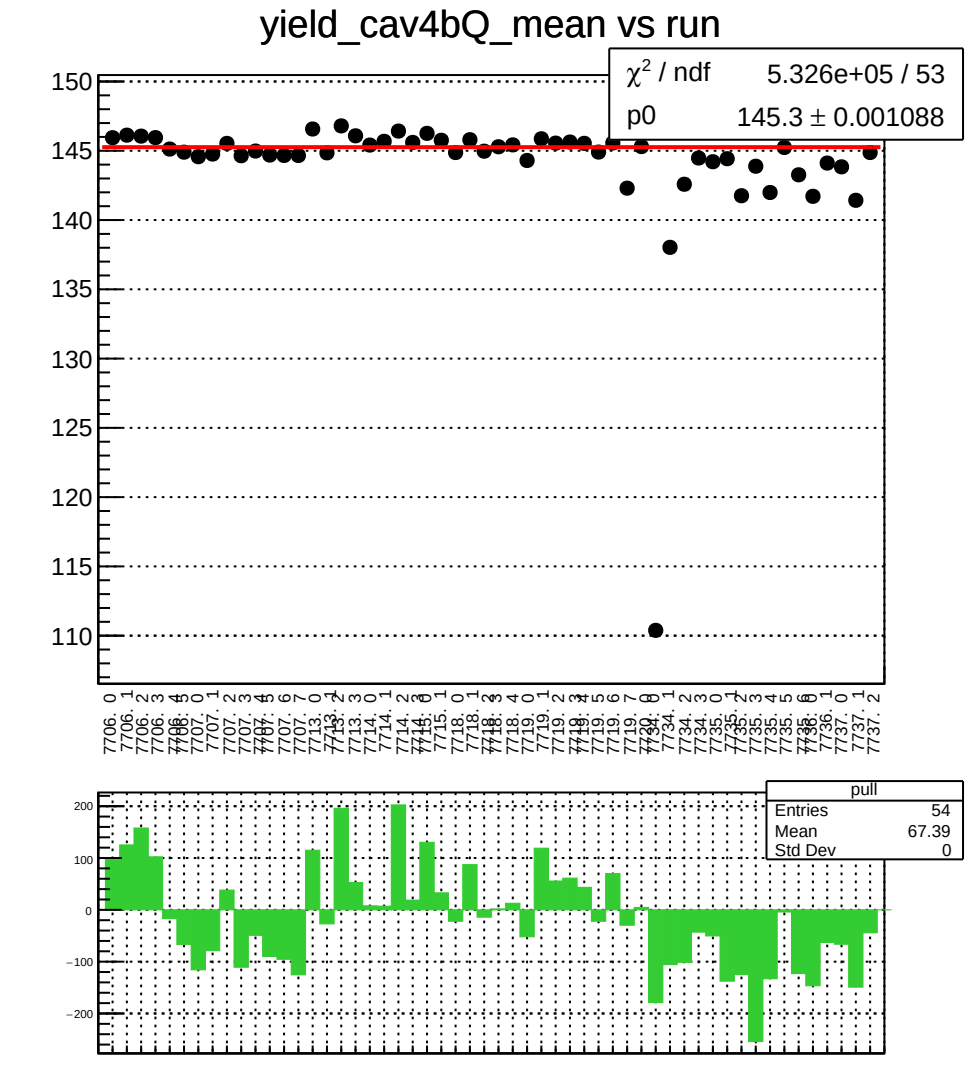

pull1D
Entries 54
Mean 0.2955
Std Dev 2.951
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

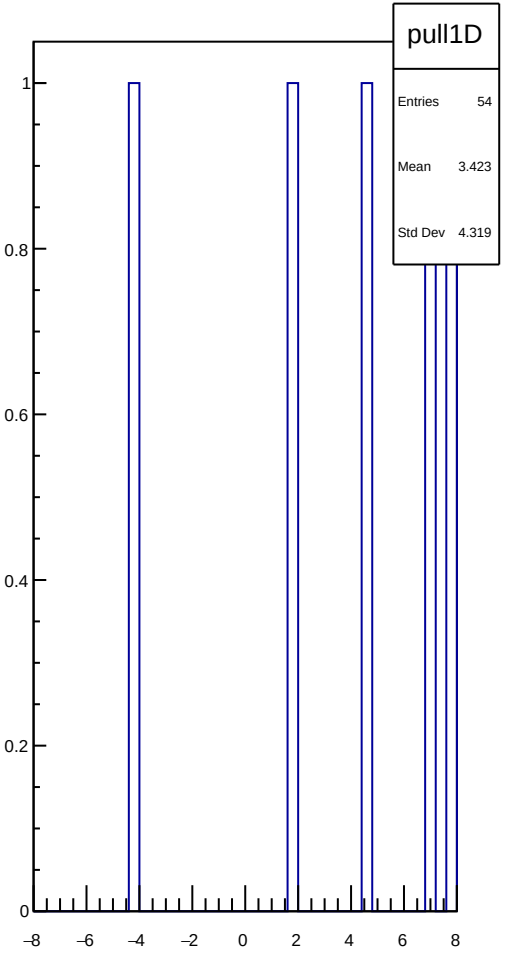

yield_bcm_dg_us_rms vs run
χ² / ndf 1.068e+05 / 53
p0 0.4409 ± 0.0004511
20
18
16
14
12
10
8
6
4
2

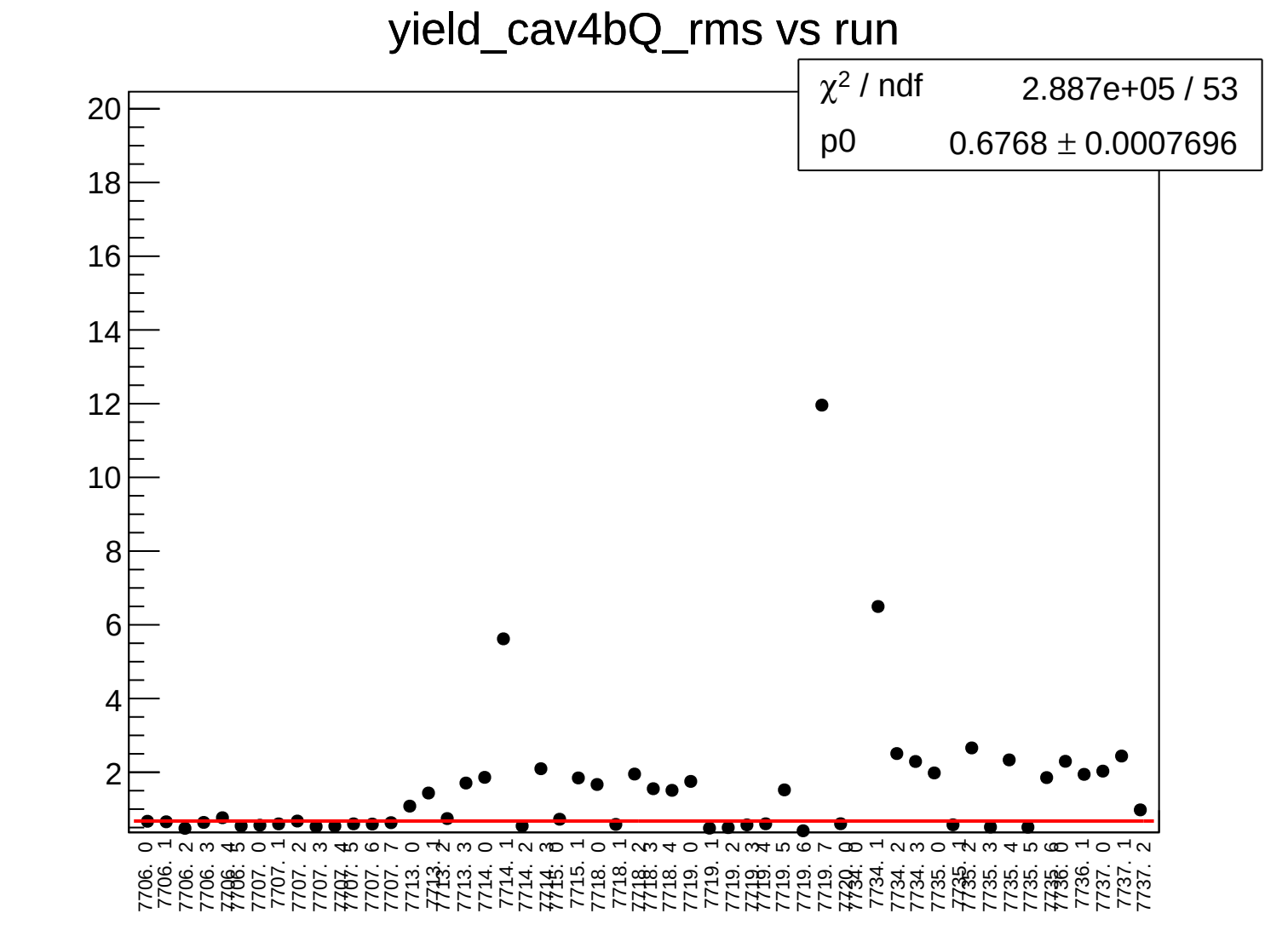

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.104e+06 / 53
p0 144.5 ± 0.0006515
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 84.38
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

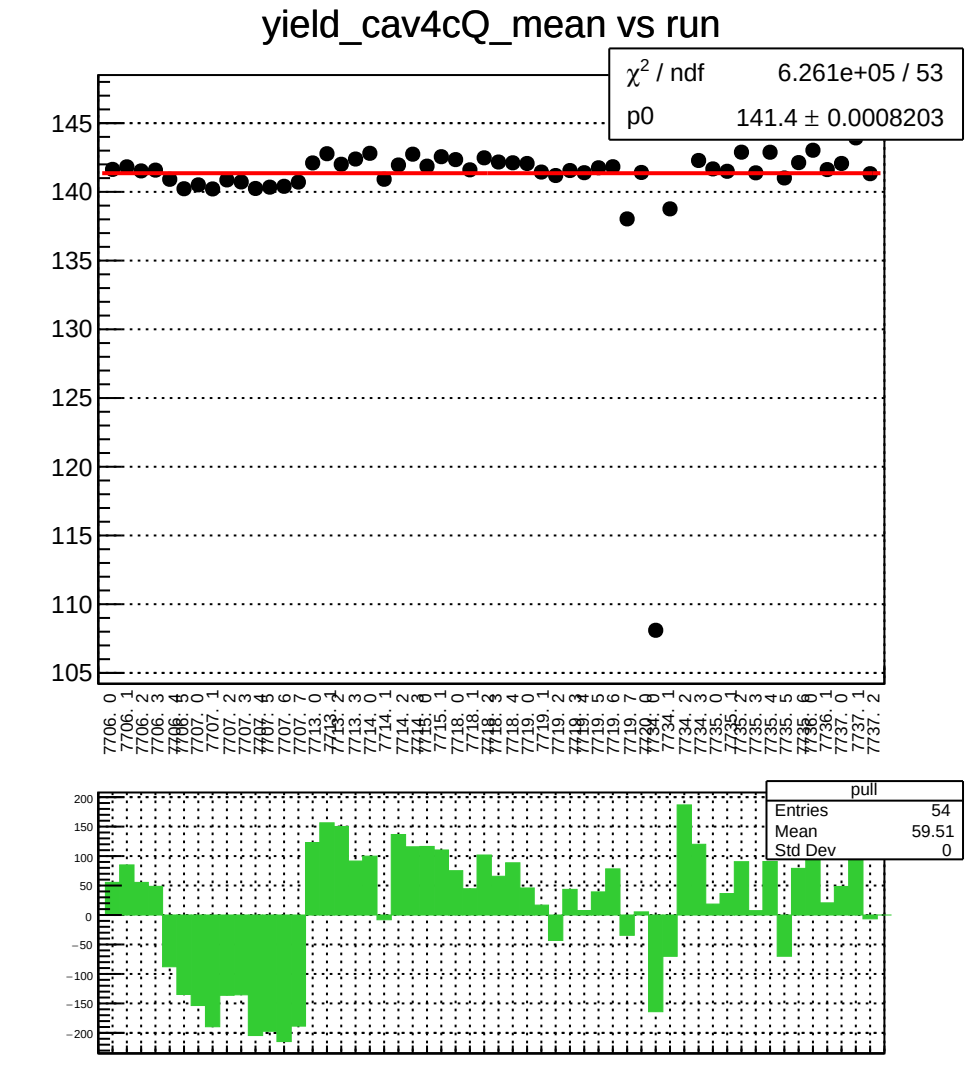

pull1D
Entries 54
Mean 0.4889
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

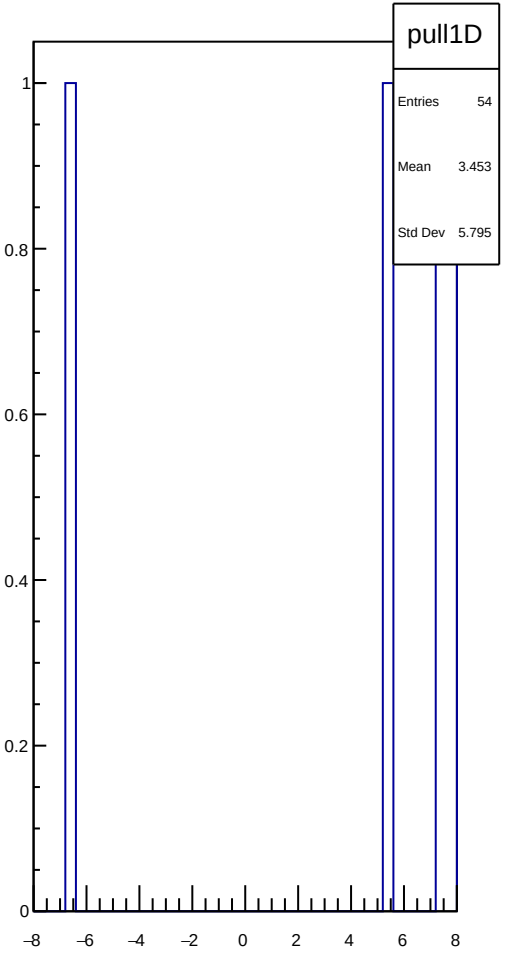

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.113e+05 / 53
p0 0.4492 ± 0.0004607
20
18
16
14
12
10
8
6
4
2

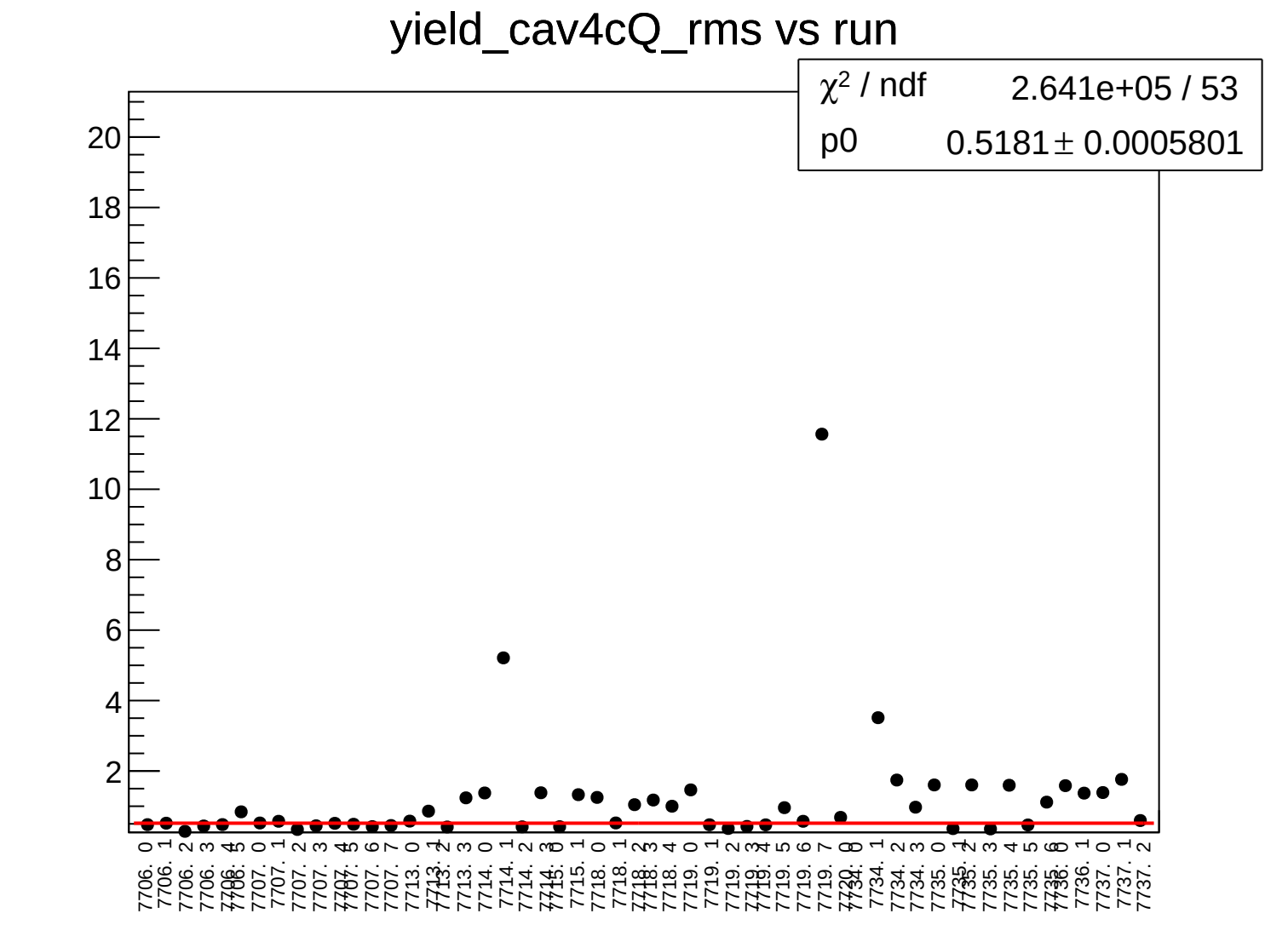

yield_cav4bQ_mean vs run
χ² / ndf 5.326e+05 / 53
p0 145.3 ± 0.001088
150
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 67.39
Std Dev 0
200
100
0
−100
−200

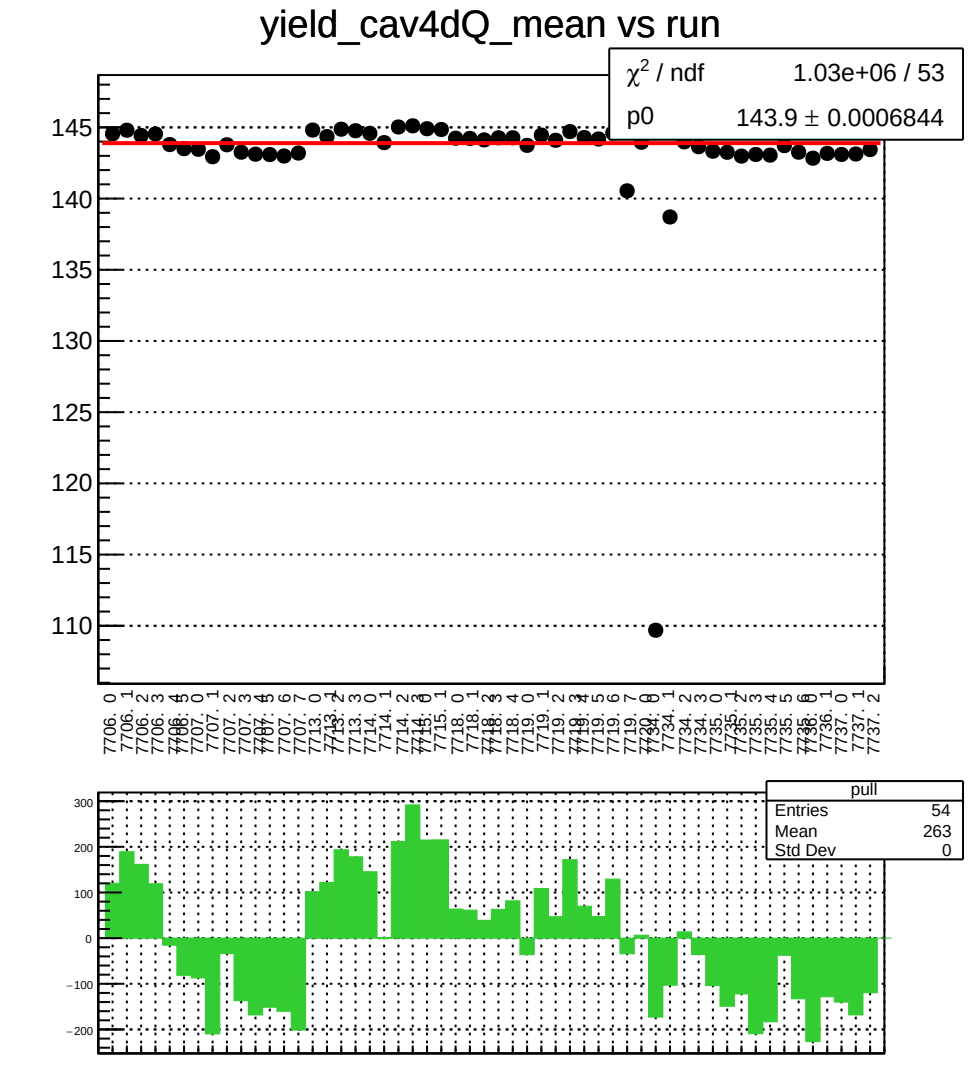

pull1D
Entries 54
Mean 3.423
Std Dev 4.319
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

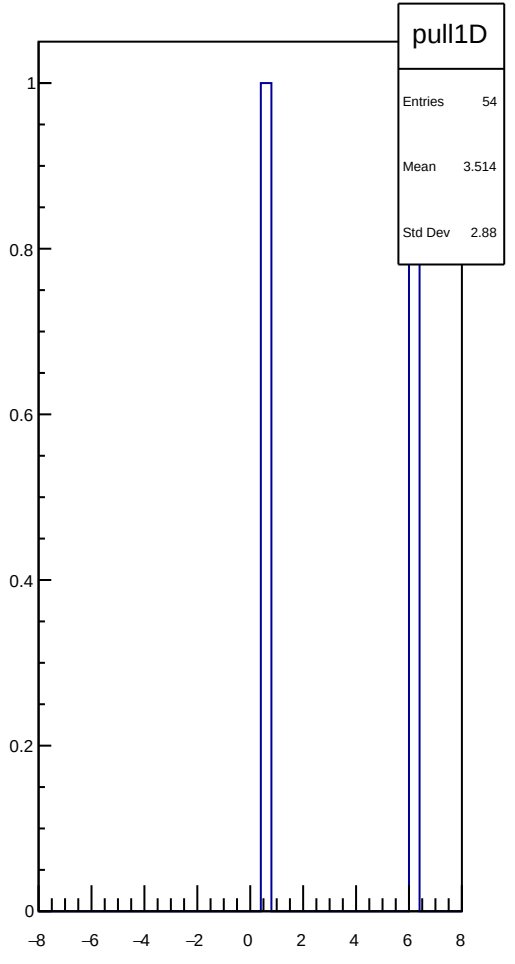

yield_cav4bQ_rms vs run
χ^2 / ndf 2.887e+05 / 53
p0 0.6768 ± 0.0007696
20
18
16
14
12
10
8
6
4
2

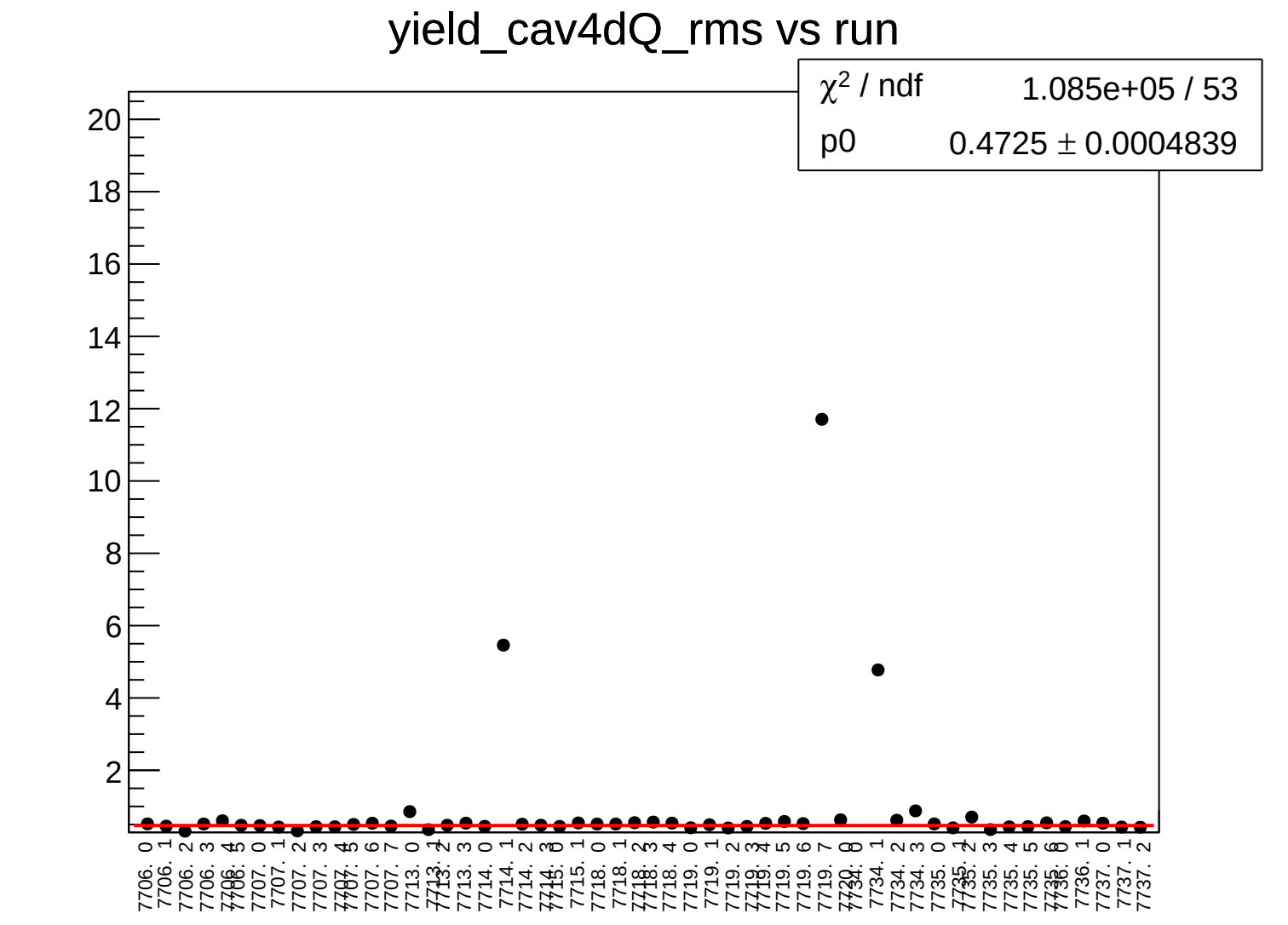

yield_cav4cQ_mean vs run
χ² / ndf 6.261e+05 / 53
p0 141.4 ± 0.0008203
145
140
135
130
125
120
115
110
105
pull
Entries 54
Mean 59.51
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

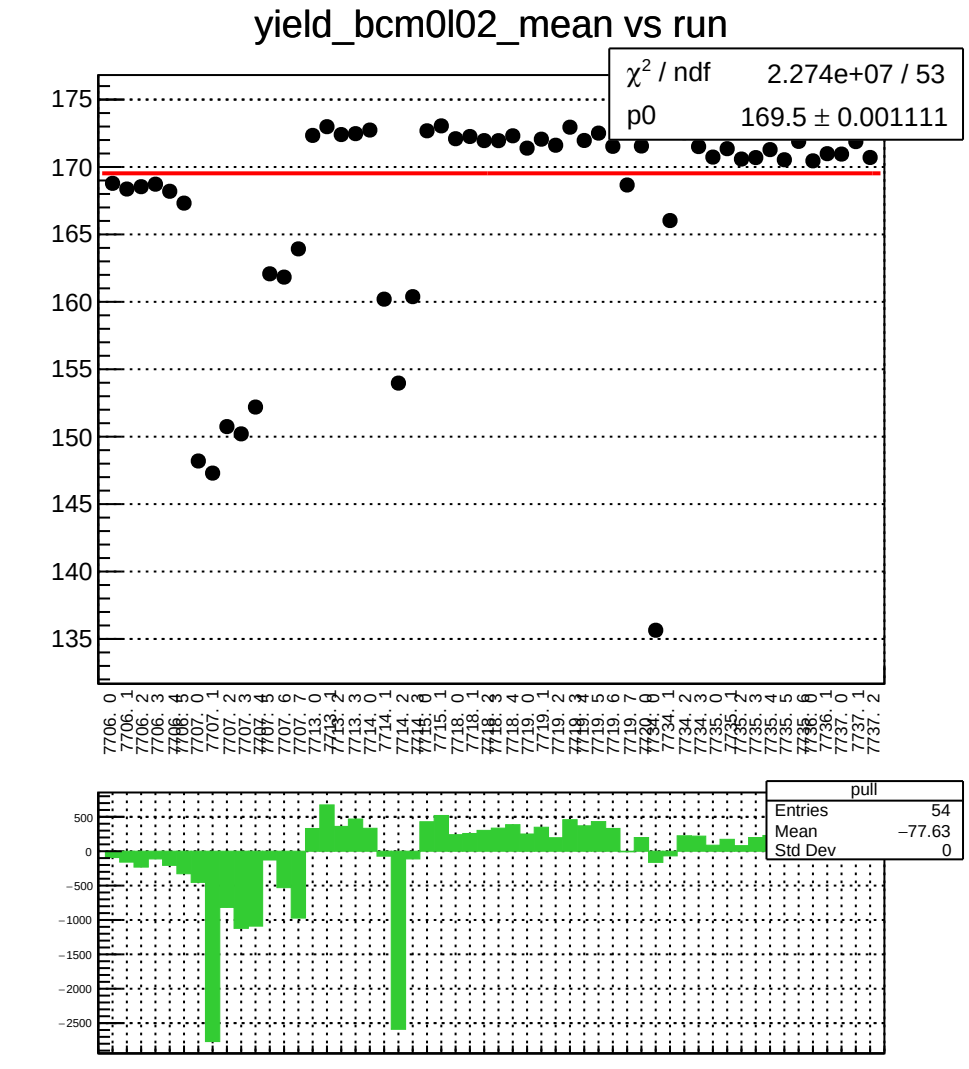

pull1D
Entries 54
Mean 3.453
Std Dev 5.795
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

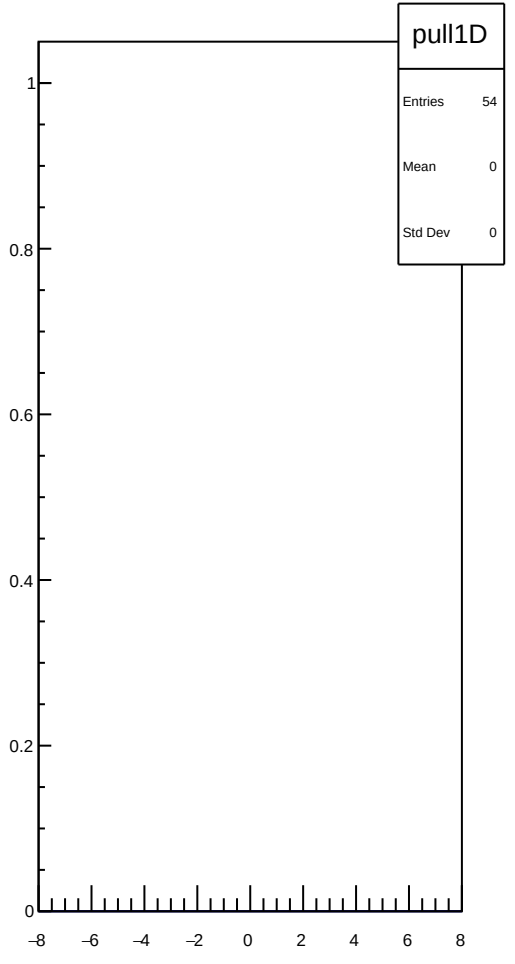

yield_cav4cQ_rms vs run
χ² / ndf 2.641e+05 / 53
p0 0.5181 ± 0.0005801
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

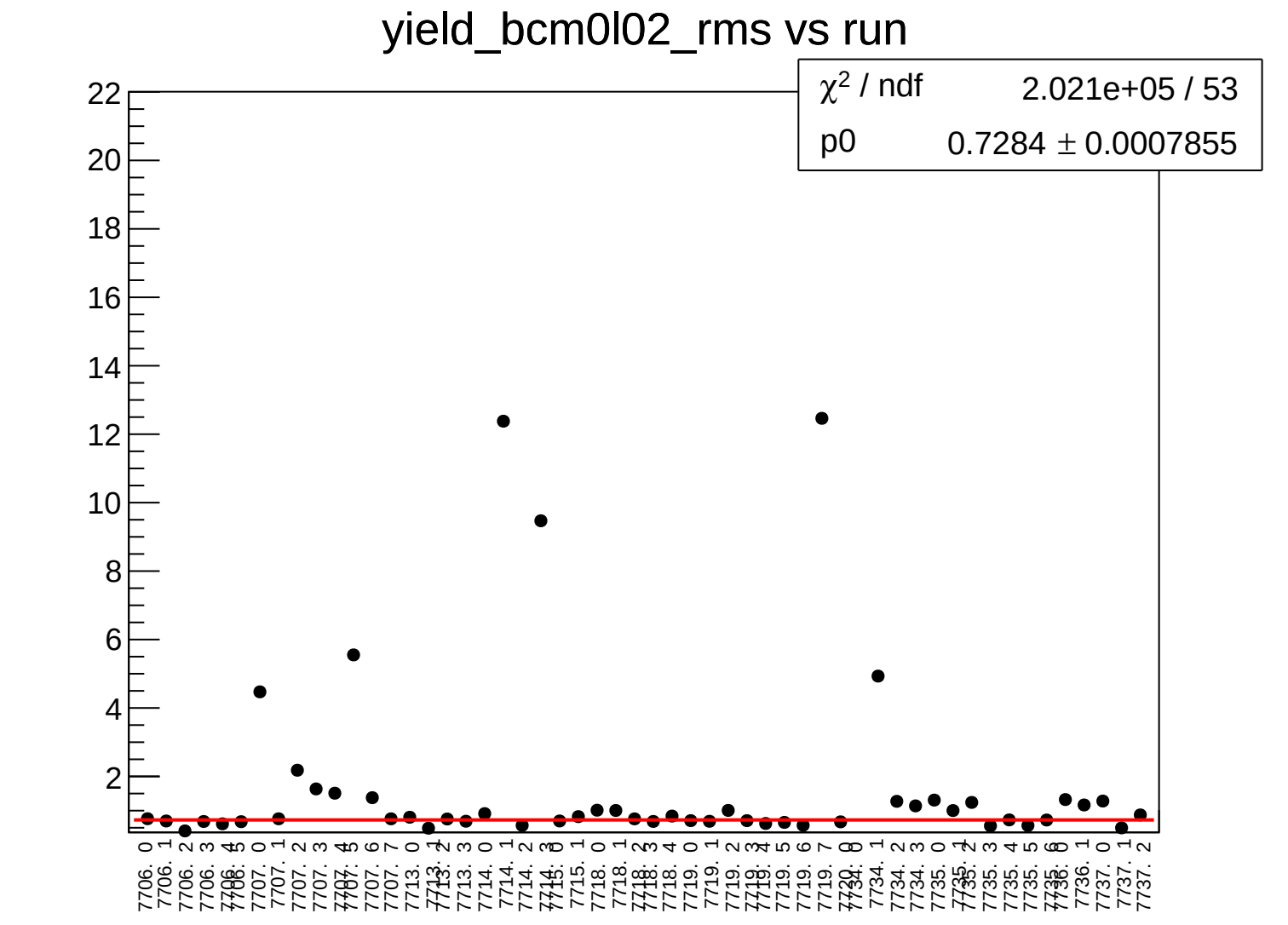

yield_cav4dQ_mean vs run
χ² / ndf 1.03e+06 / 53
p0 143.9 ± 0.0006844
145
140
135
130
125
120
115
110
pull
Entries 54
Mean 263
Std Dev 0
300
200
100
0
−100
−200

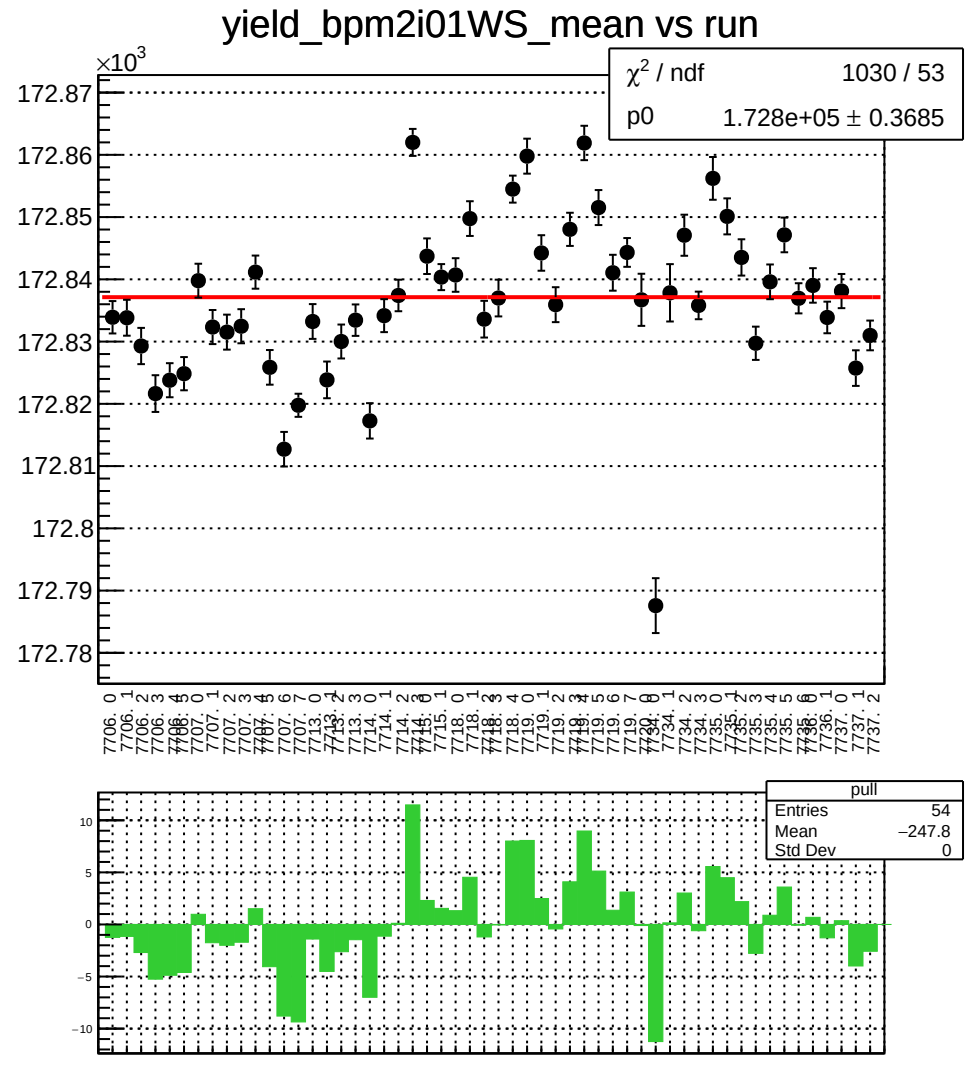

pull1D
Entries 54
Mean 3.514
Std Dev 2.88
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

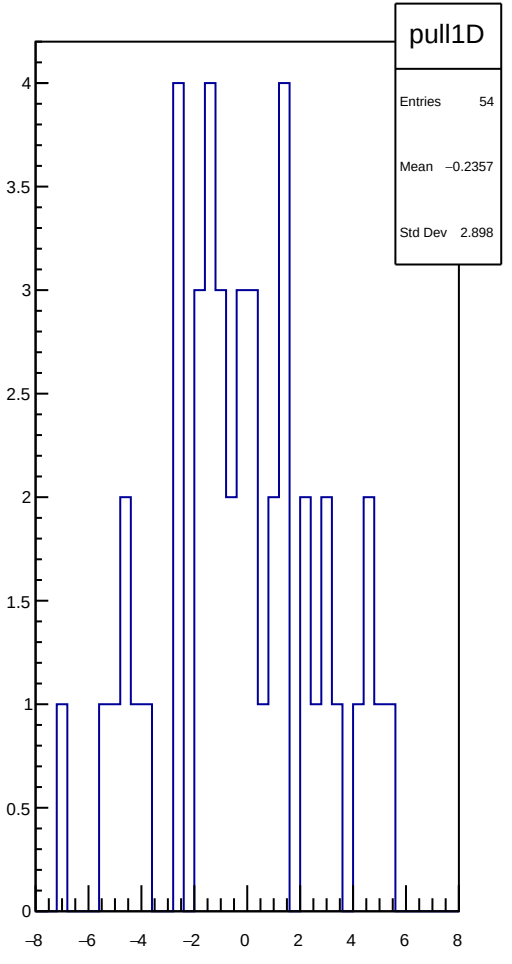

yield_cav4dQ_rms vs run
χ² / ndf 1.085e+05 / 53
p0 0.4725 ± 0.0004839
20
18
16
14
12
10
8
6
4
2

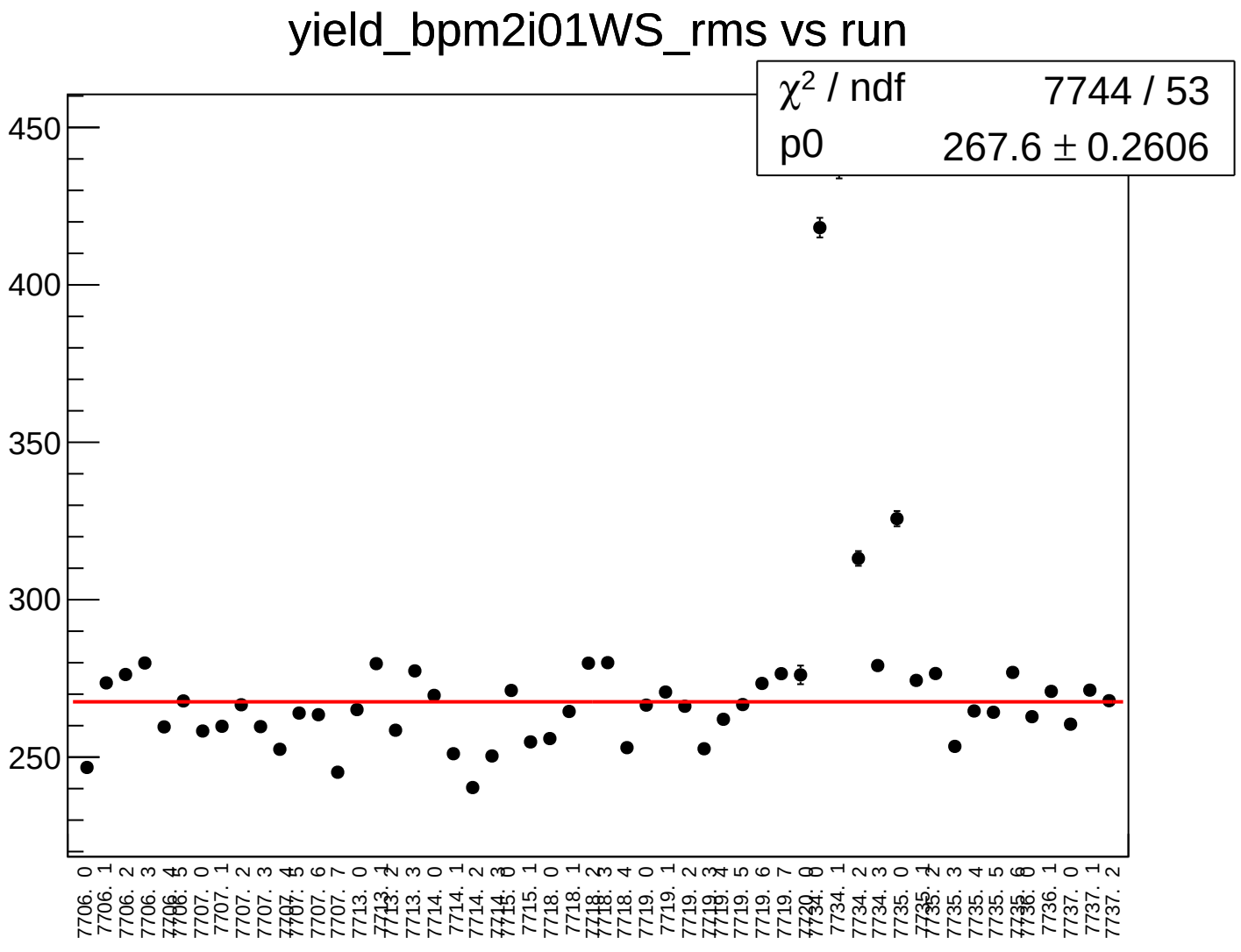

yield_bcm0l02_mean vs run
χ² / ndf 2.274e+07 / 53
p0 169.5 ± 0.001111
175
170
165
160
155
150
145
140
135
pull
Entries 54
Mean −77.63
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

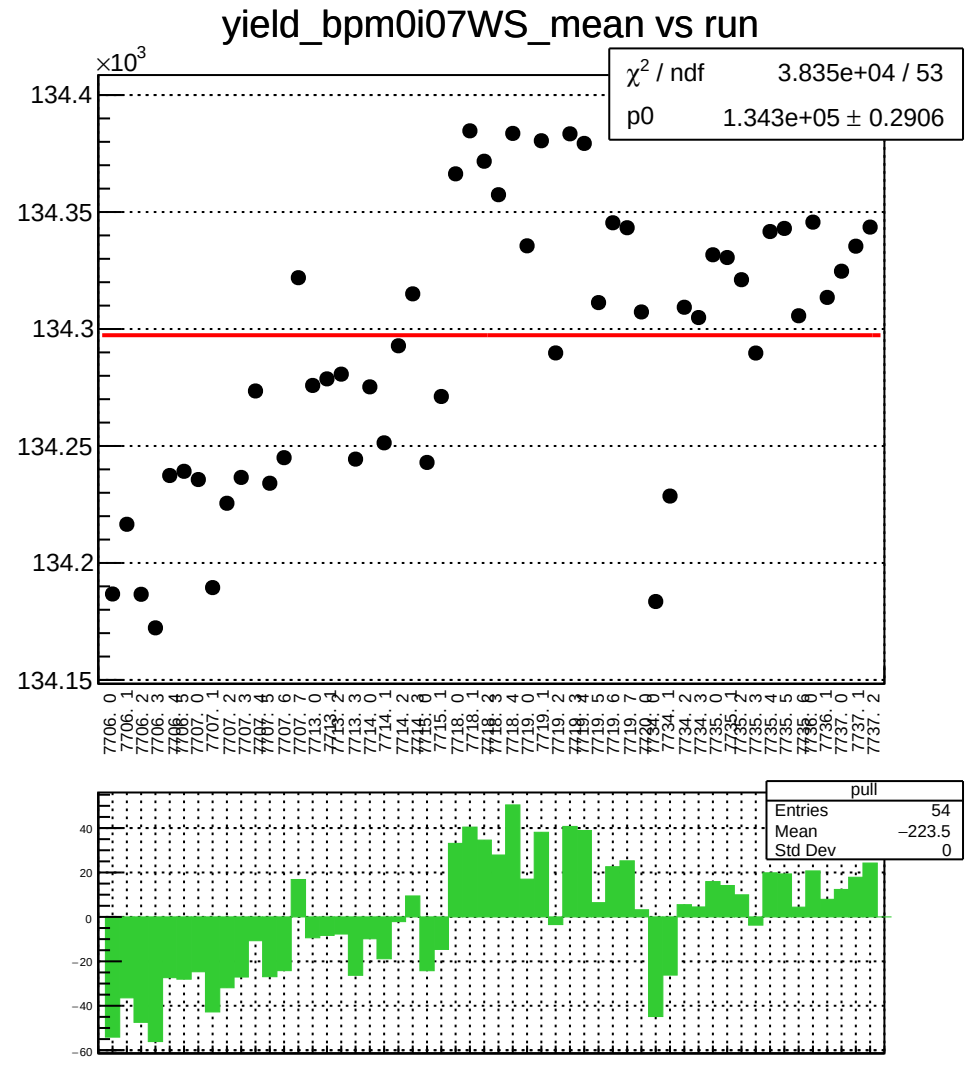

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

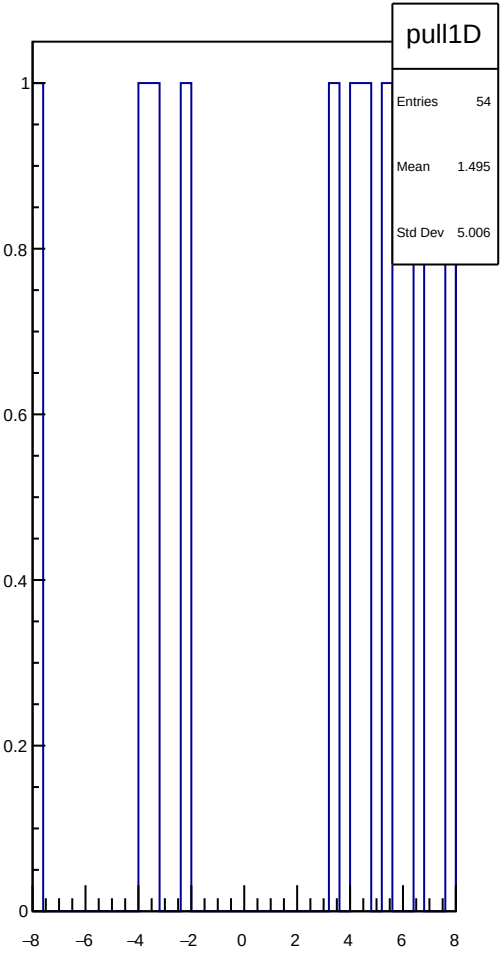

yield_bcm0l02_rms vs run
χ² / ndf 2.021e+05 / 53
p0 0.7284 ± 0.0007855
22
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

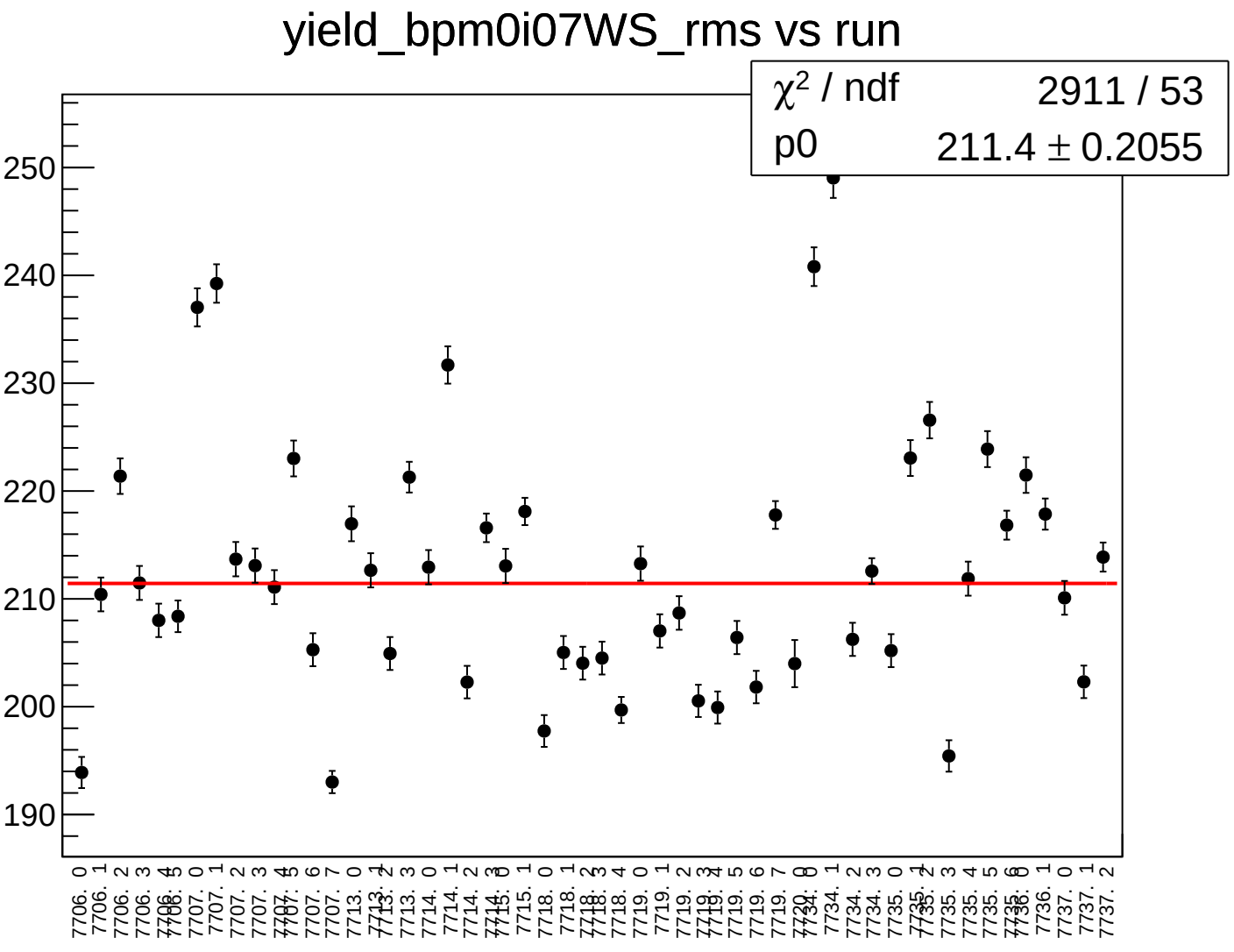

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1030 / 53
p0 1.728e+05 ± 0.3685
172.87
172.86
172.85
172.84
172.83
172.82
172.81
172.8
172.79
172.78
pull
Entries 54
Mean −247.8
Std Dev 0
10
5
0
−5
−10

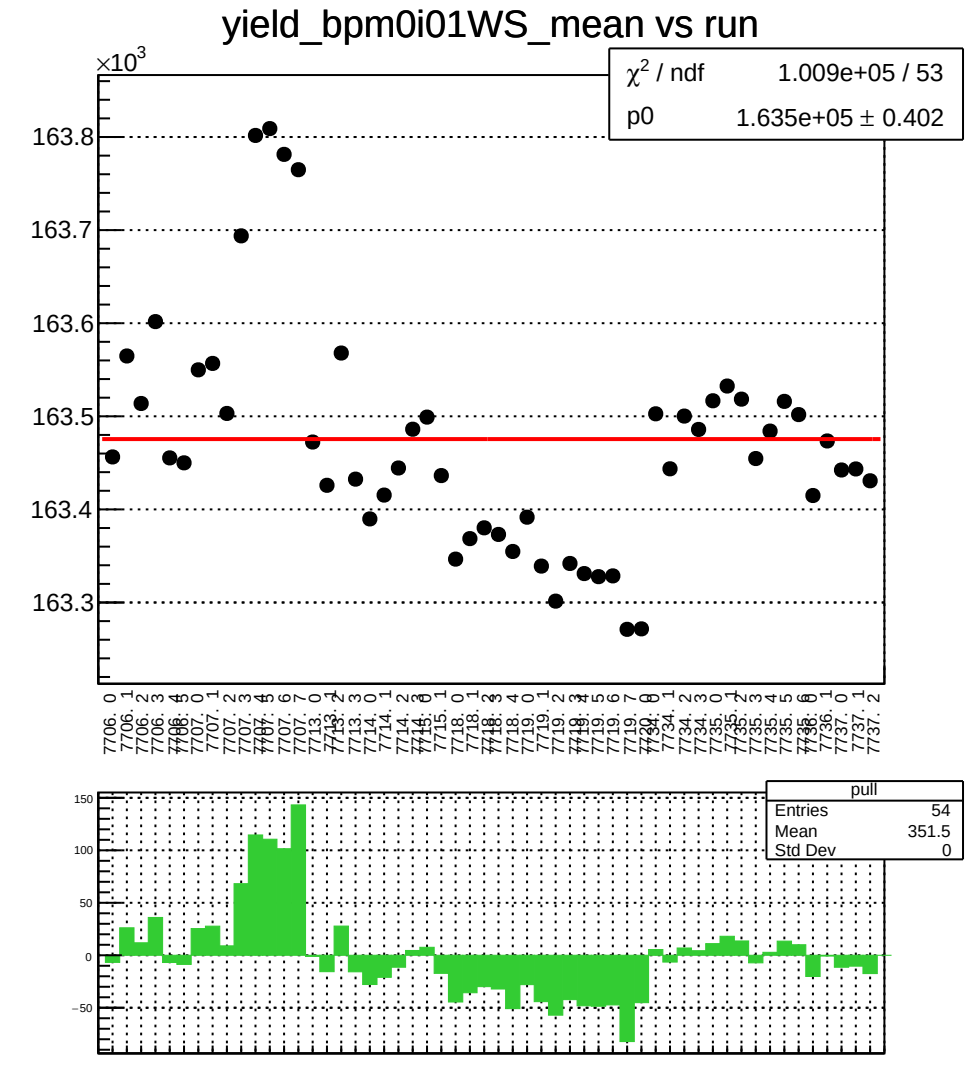

pull1D
Entries 54
Mean −0.2357
Std Dev 2.898
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

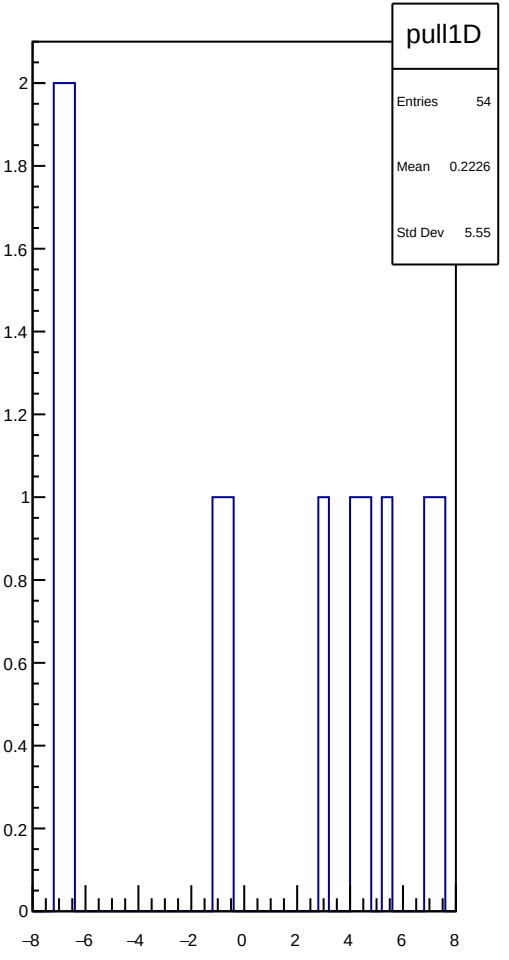

yield_bpm2i01WS_rms vs run
χ^2 / ndf 7744 / 53
p0 267.6 ± 0.2606
450
400
350
300
250

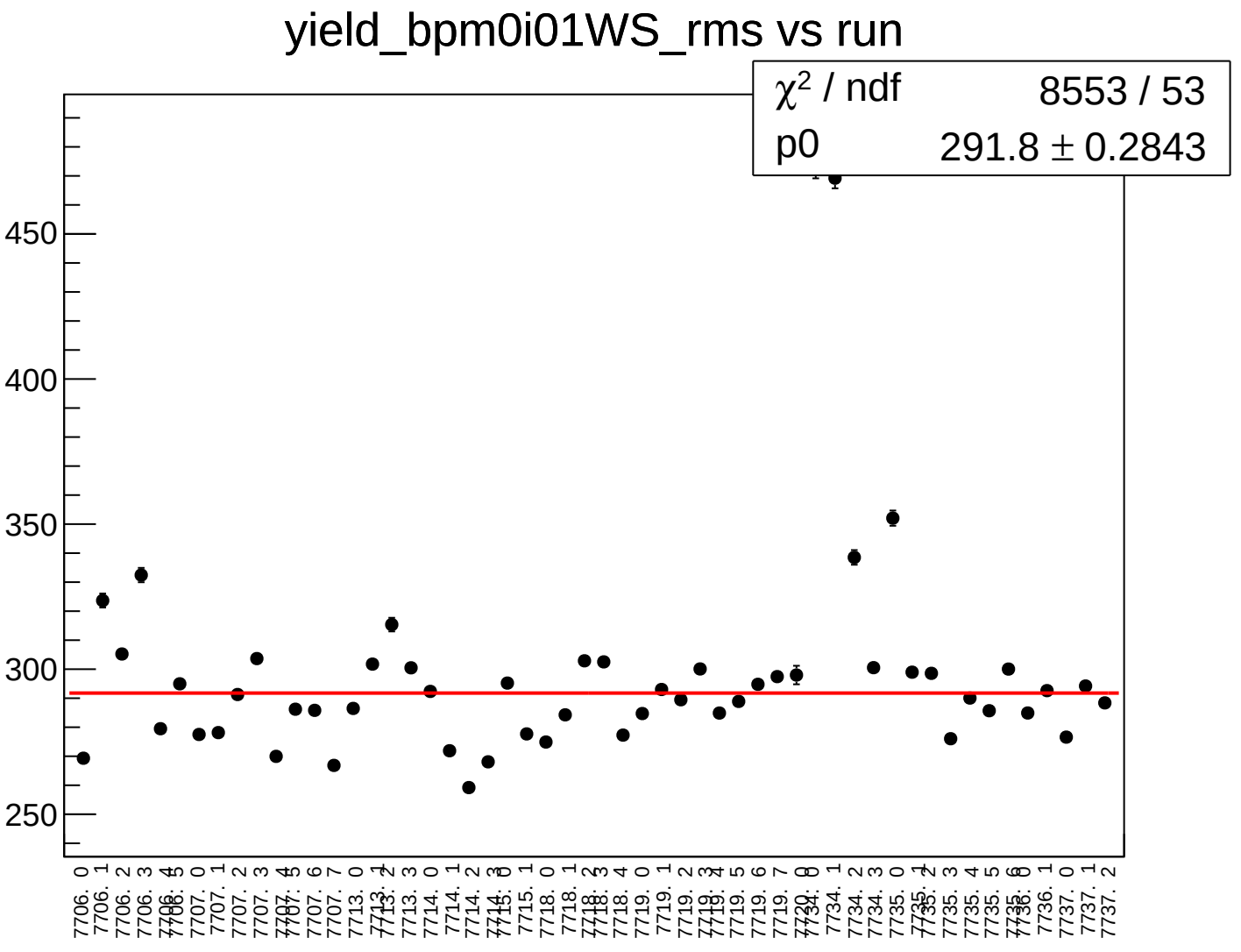

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.835e+04 / 53
p0 1.343e+05 ± 0.2906
134.4
134.35
134.3
134.25
134.2
134.15
pull
Entries 54
Mean −223.5
Std Dev 0
40
20
0
−20
−40
−60

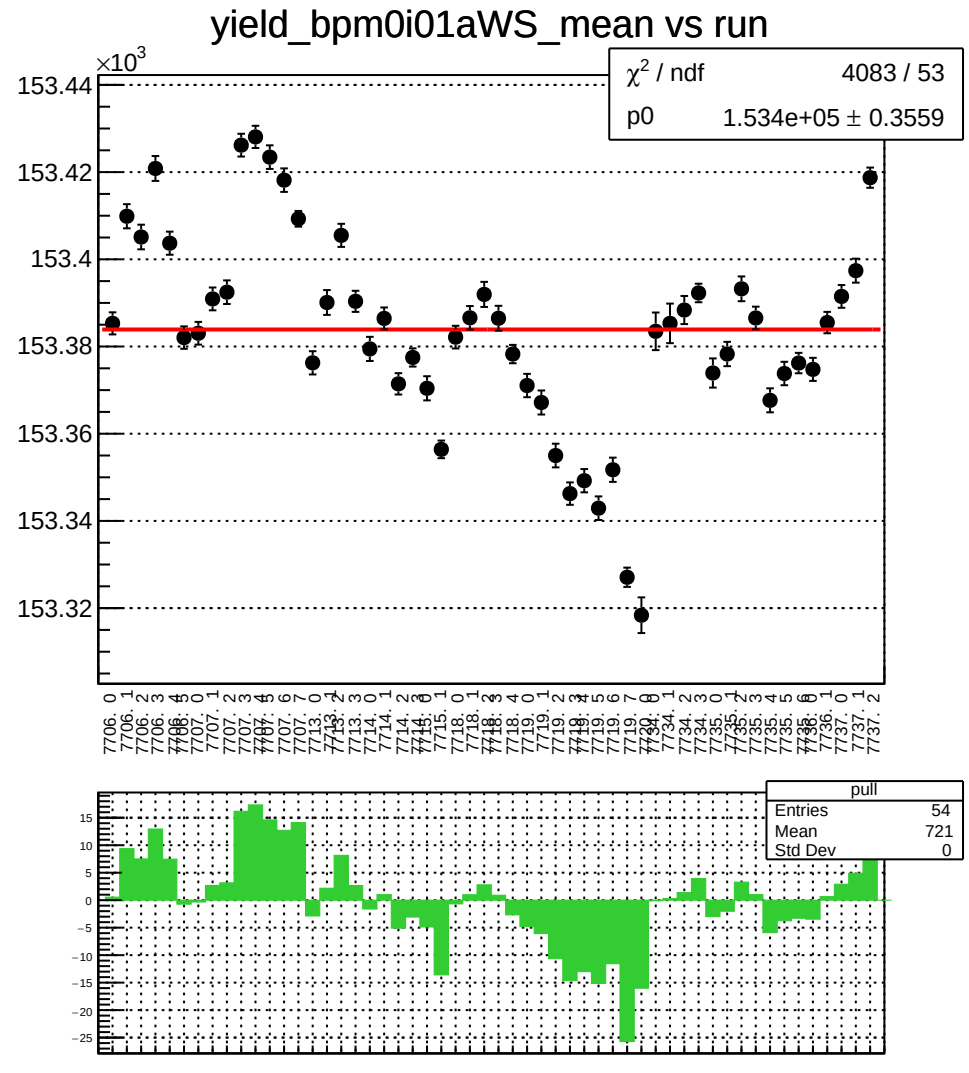

pull1D
Entries 54
Mean 1.495
Std Dev 5.006
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

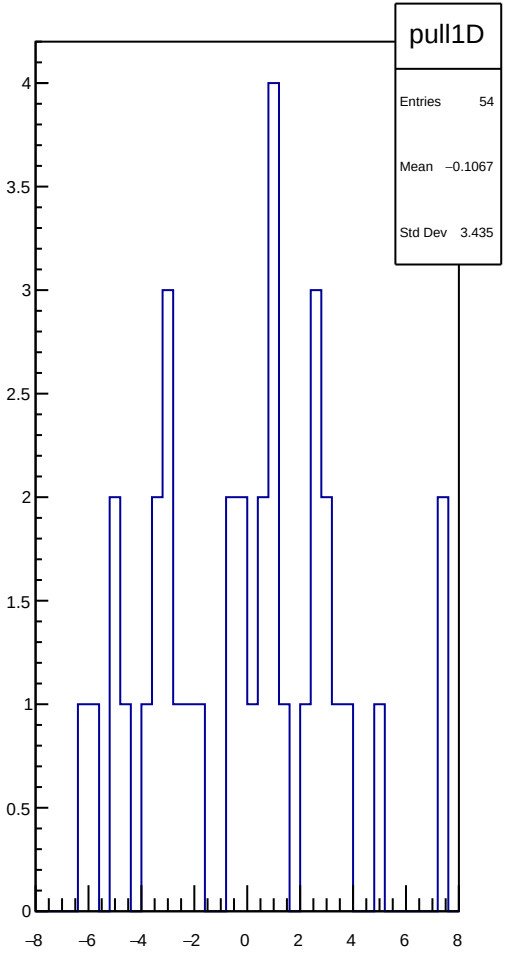

yield_bpm0i07WS_rms vs run
χ² / ndf 2911 / 53
p0 211.4 ± 0.2055
250
240
230
220
210
200
190

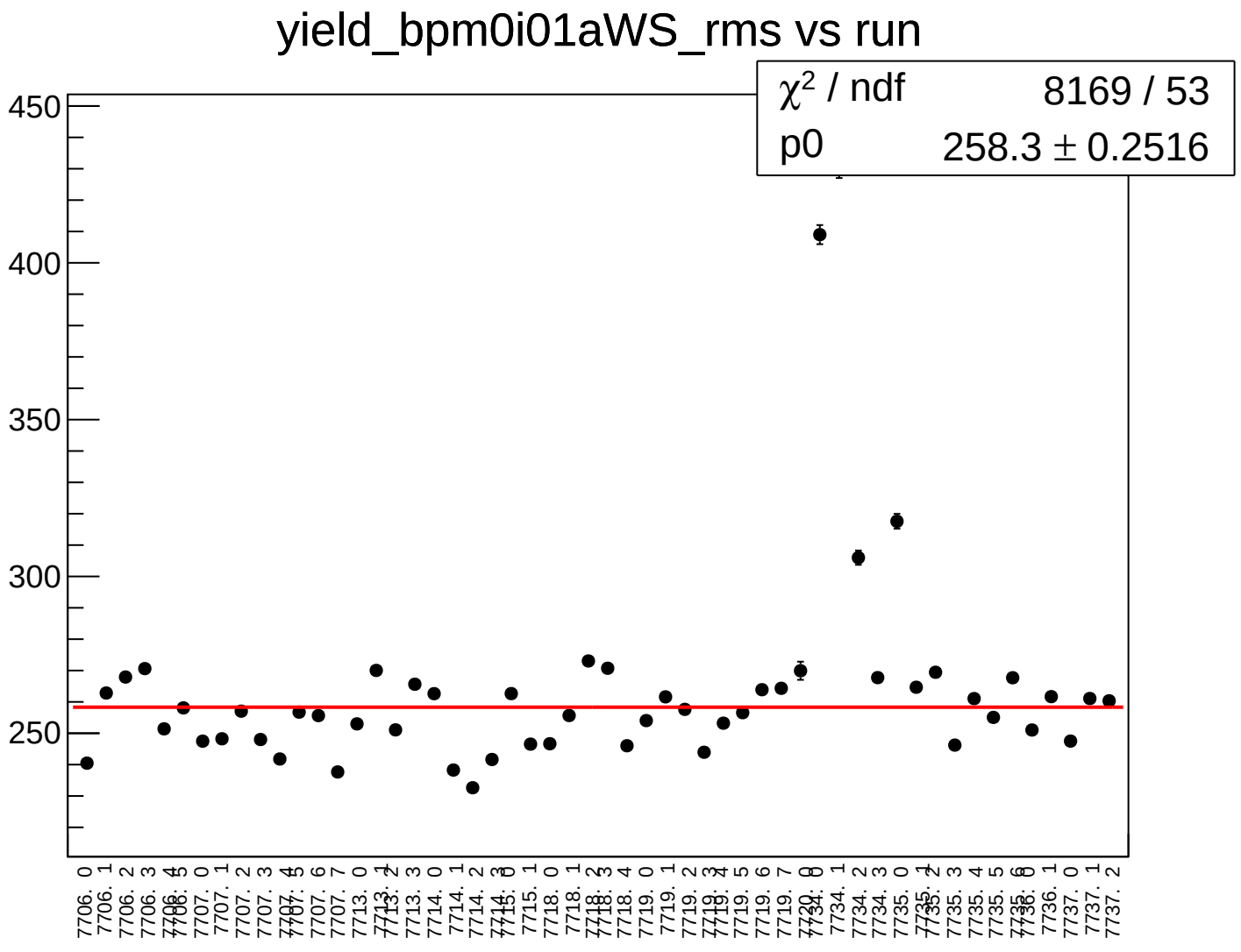

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.009e+05 / 53
p0 1.635e+05 ± 0.402
163.8
163.7
163.6
163.5
163.4
163.3
pull
Entries 54
Mean 351.5
Std Dev 0
150
100
50
0
−50

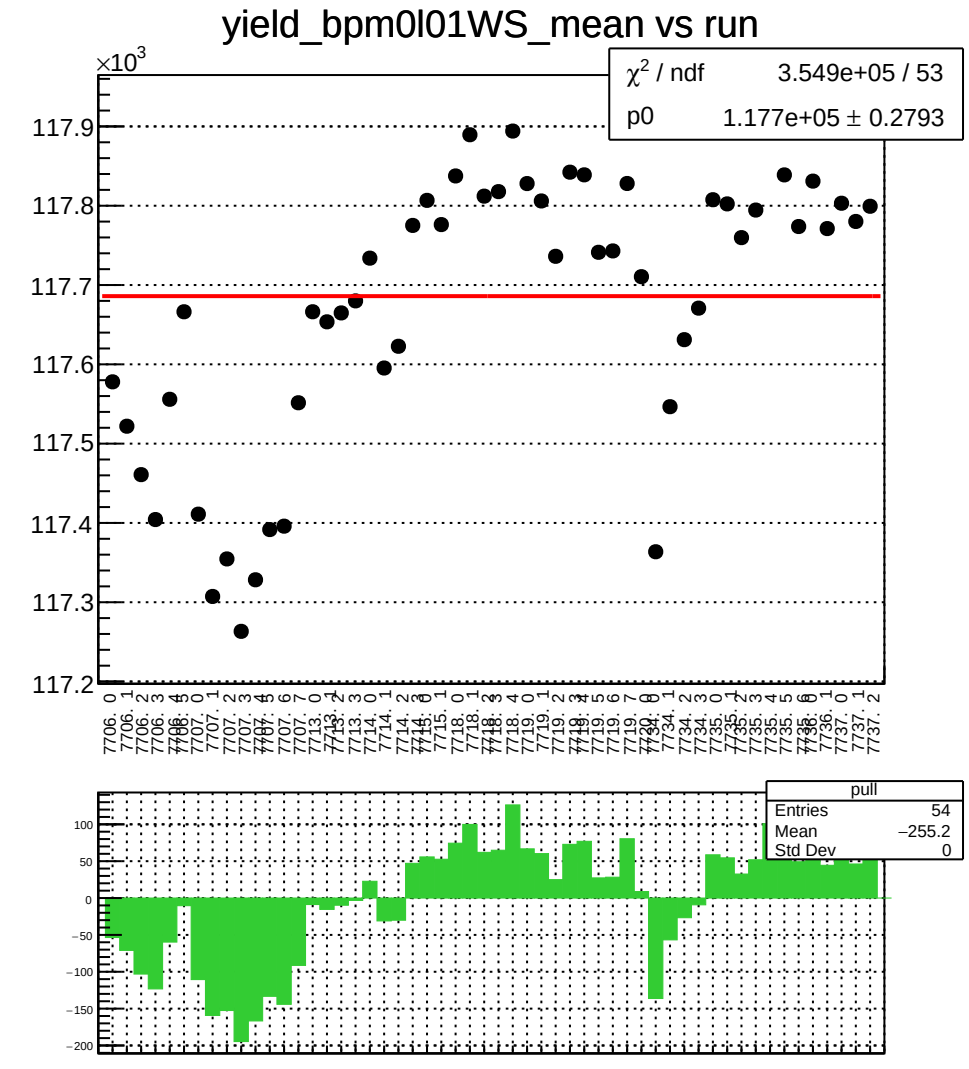

pull1D
Entries 54
Mean 0.2226
Std Dev 5.55
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

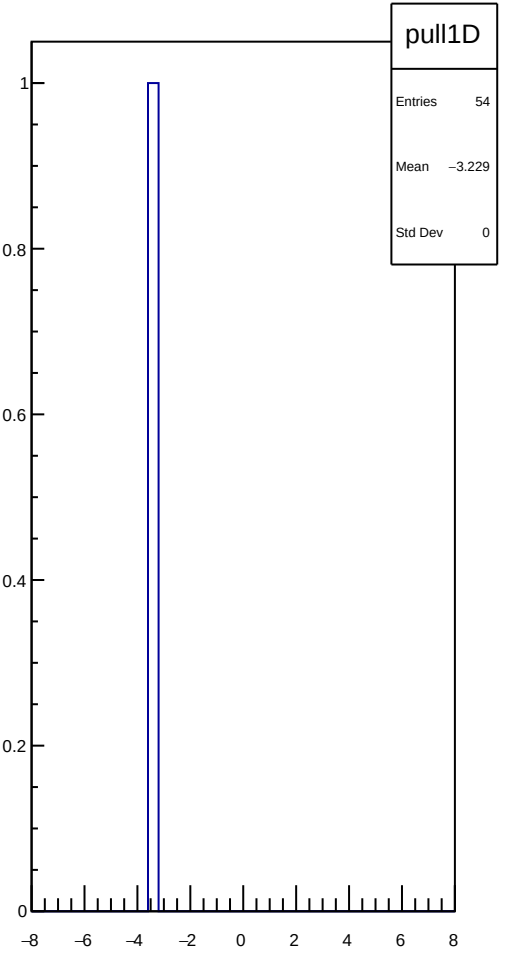

yield_bpm0i01WS_rms vs run
χ² / ndf 8553 / 53
p0 291.8 ± 0.2843
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

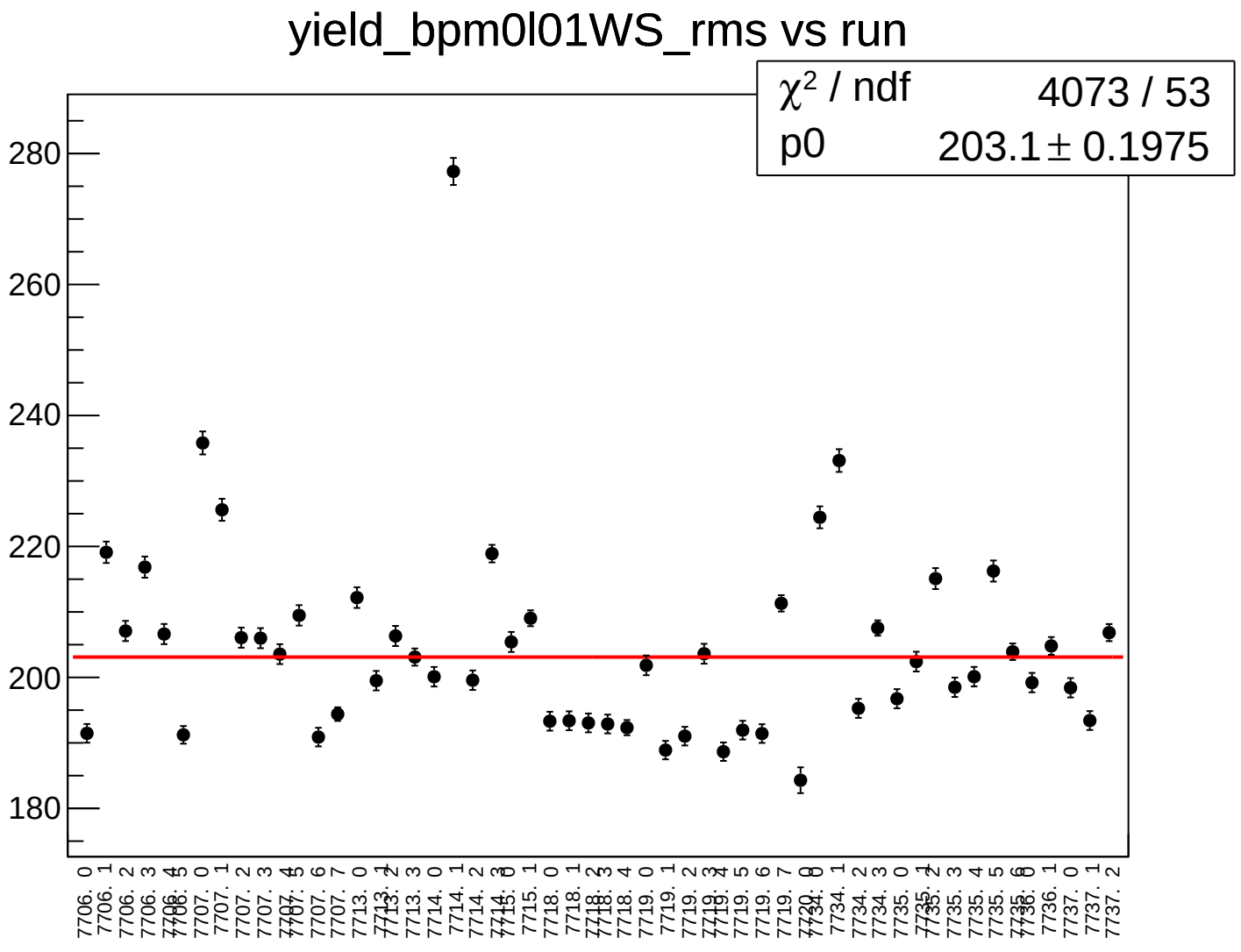

yield_bpm0i01aWS_mean vs run
×10^3
153.44
153.42
153.4
153.38
153.36
153.34
153.32
χ² / ndf 4083 / 53
p0 1.534e+05 ± 0.3559
pull
Entries 54
Mean 721
Std Dev 0
15
10
5
0
−5
−10
−15
−20
−25

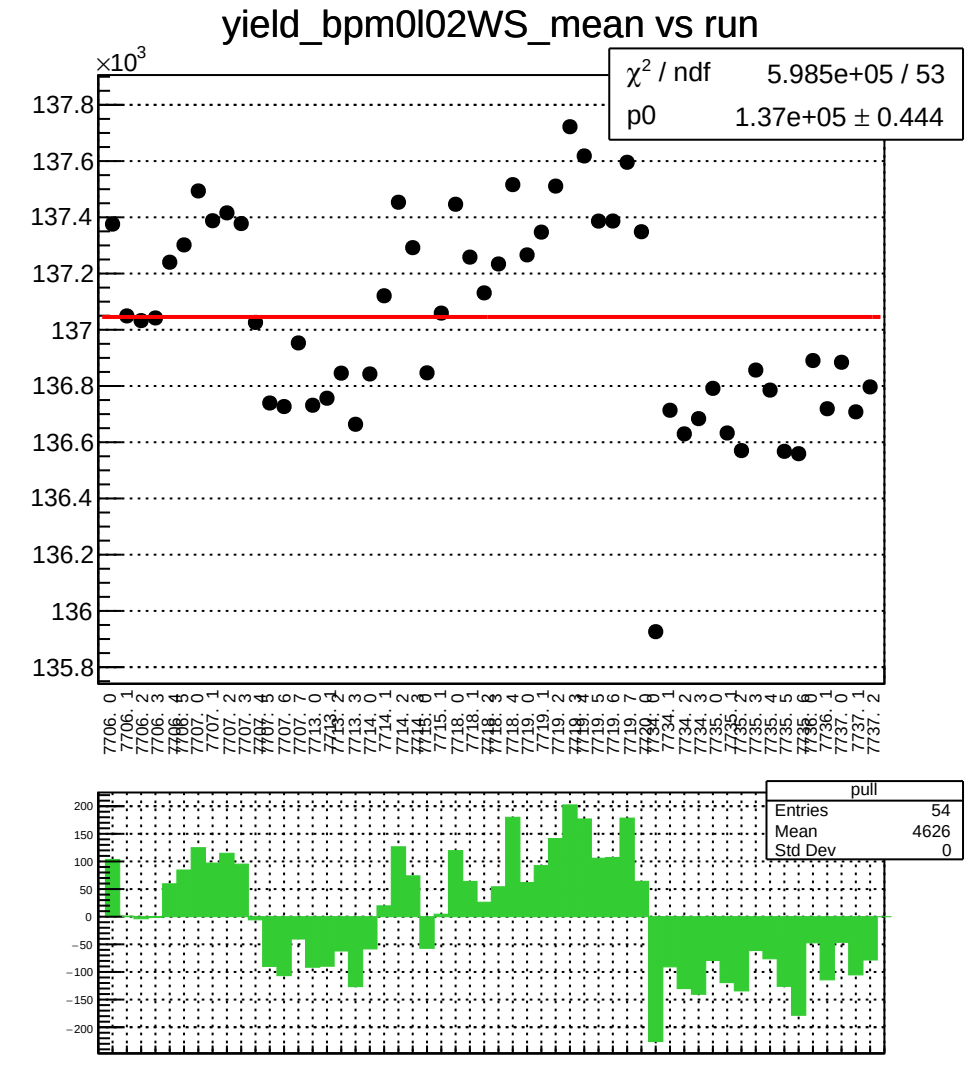

pull1D
Entries 54
Mean −0.1067
Std Dev 3.435
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

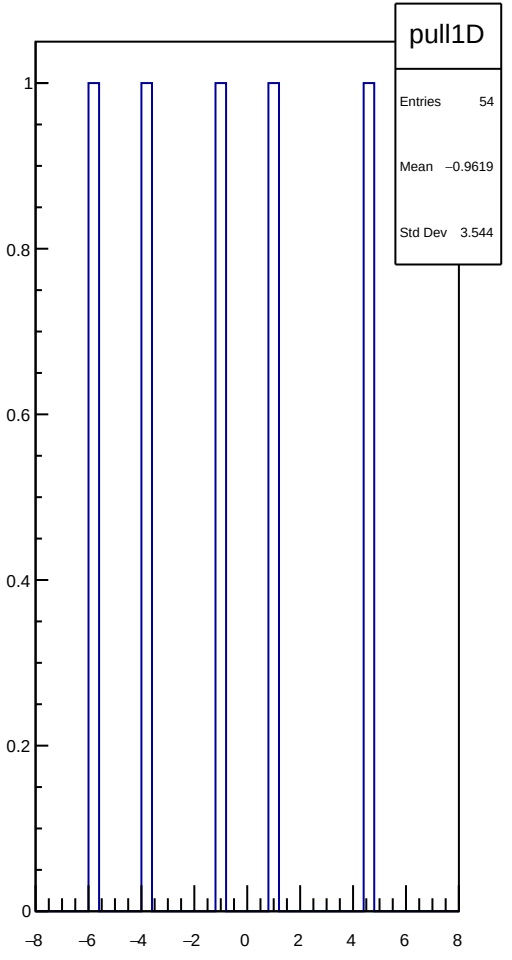

yield_bpm0i01aWS_rms vs run
χ² / ndf 8169 / 53
p0 258.3 ± 0.2516
450
400
350
300
250

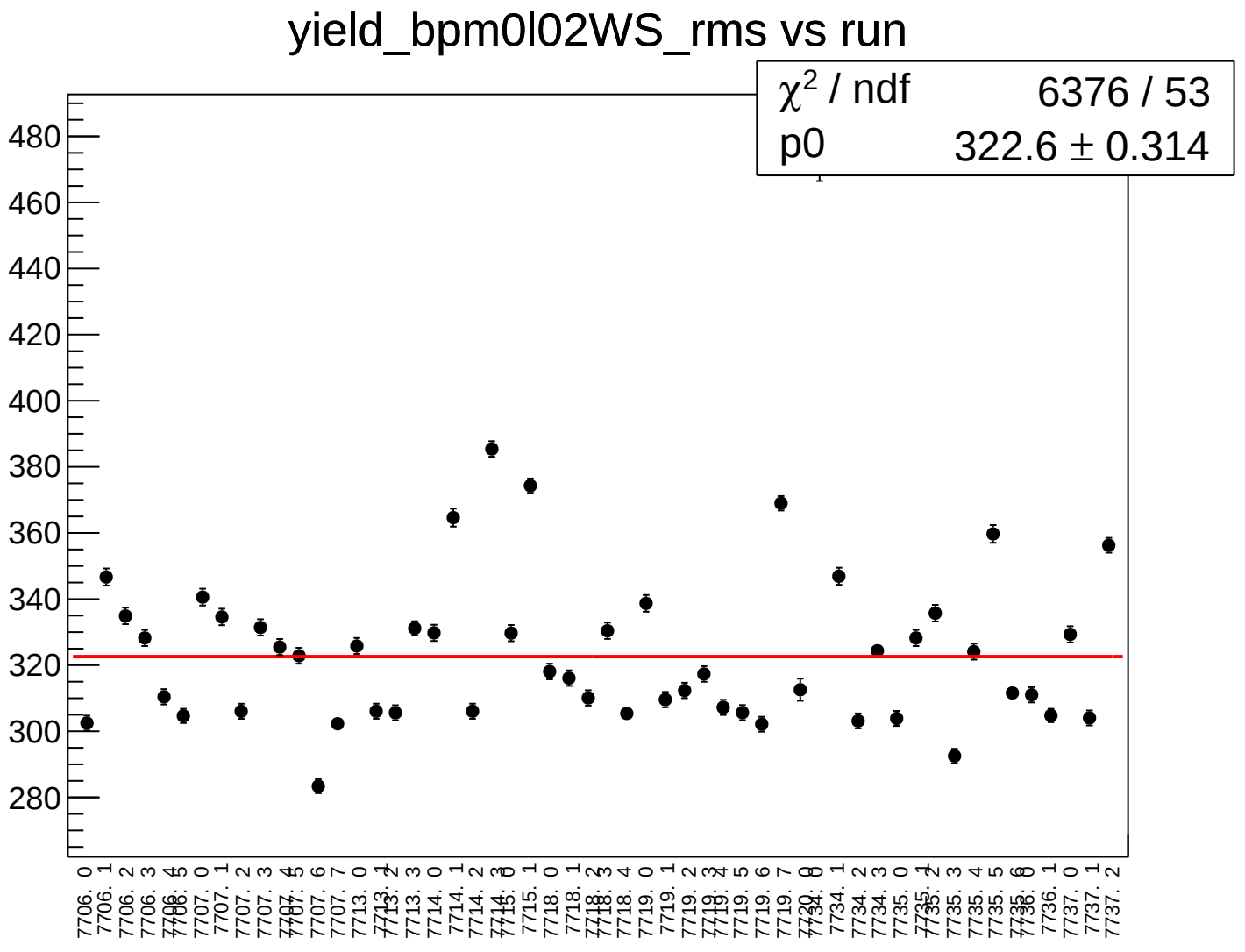

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.549e+05 / 53
p0 1.177e+05 ± 0.2793
117.9
117.8
117.7
117.6
117.5
117.4
117.3
117.2
pull
Entries 54
Mean −255.2
Std Dev 0
100
50
0
−50
−100
−150
−200

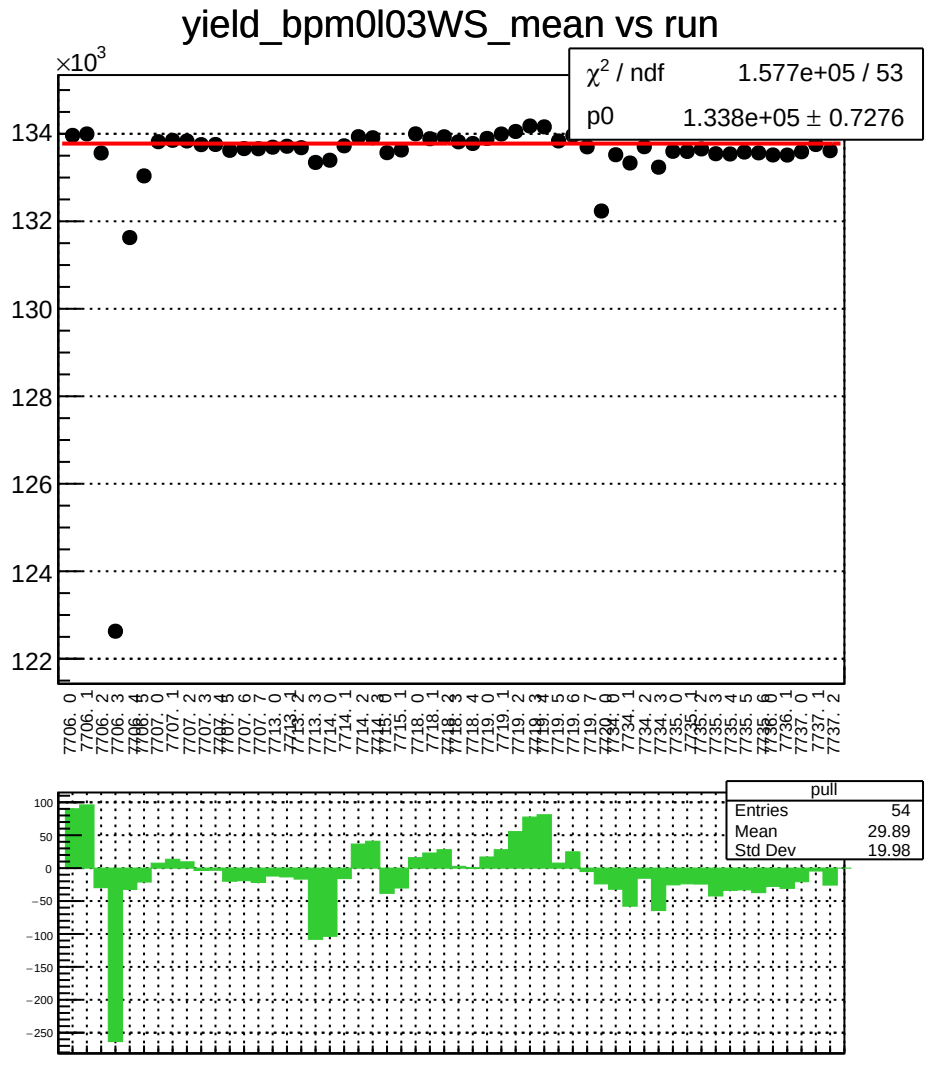

pull1D
Entries 54
Mean −3.229
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

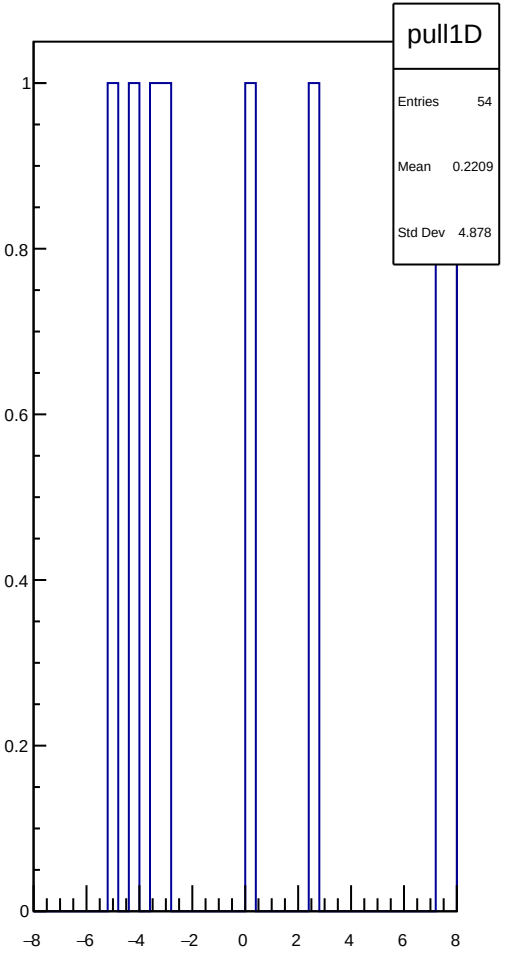

yield_bpm0l01WS_rms vs run
χ² / ndf 4073 / 53
p0 203.1 ± 0.1975
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

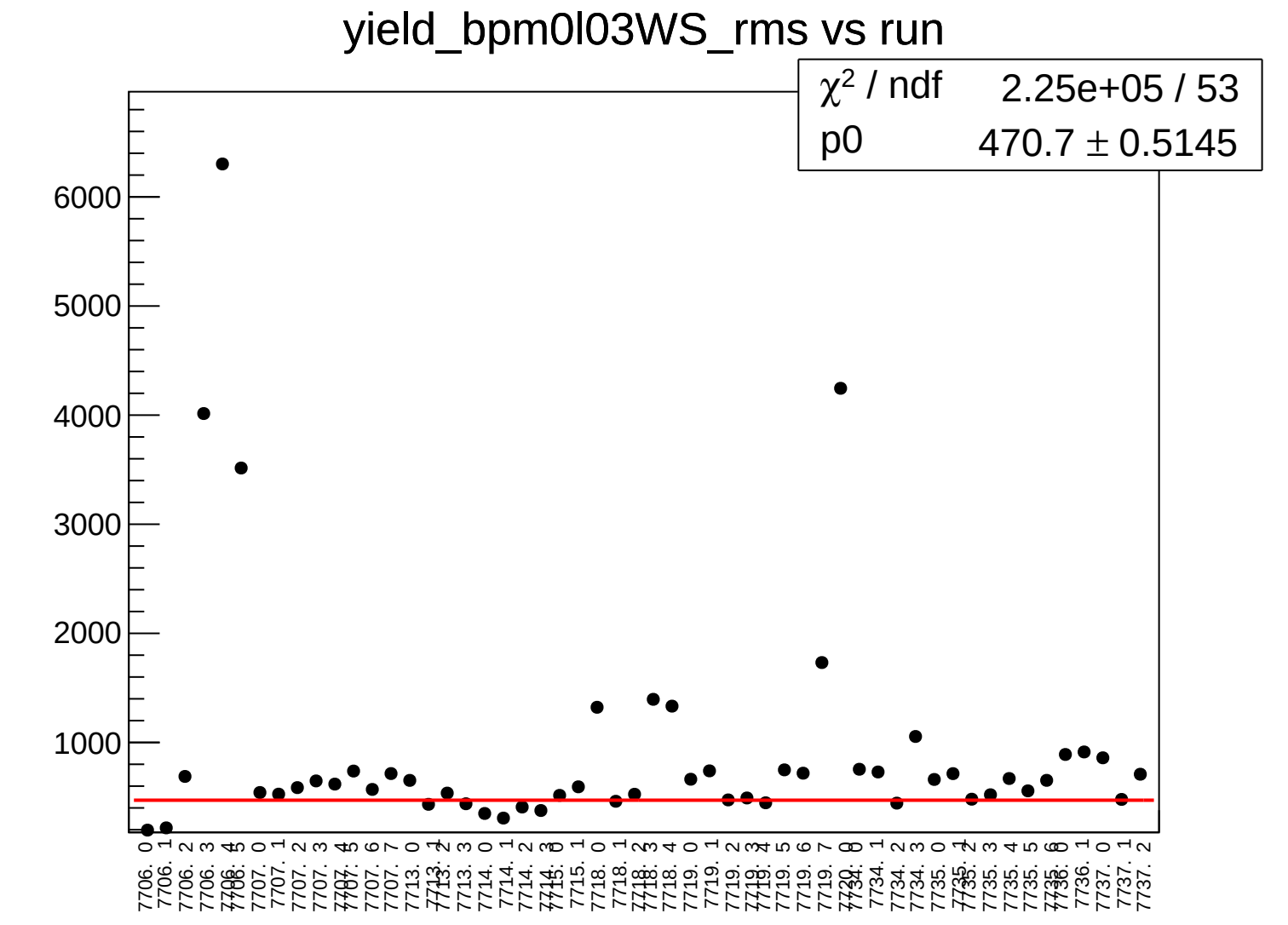

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 5.985e+05 / 53
p0 1.37e+05 ± 0.444
137.8
137.6
137.4
137.2
137
136.8
136.6
136.4
136.2
136
135.8
pull
Entries 54
Mean 4626
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

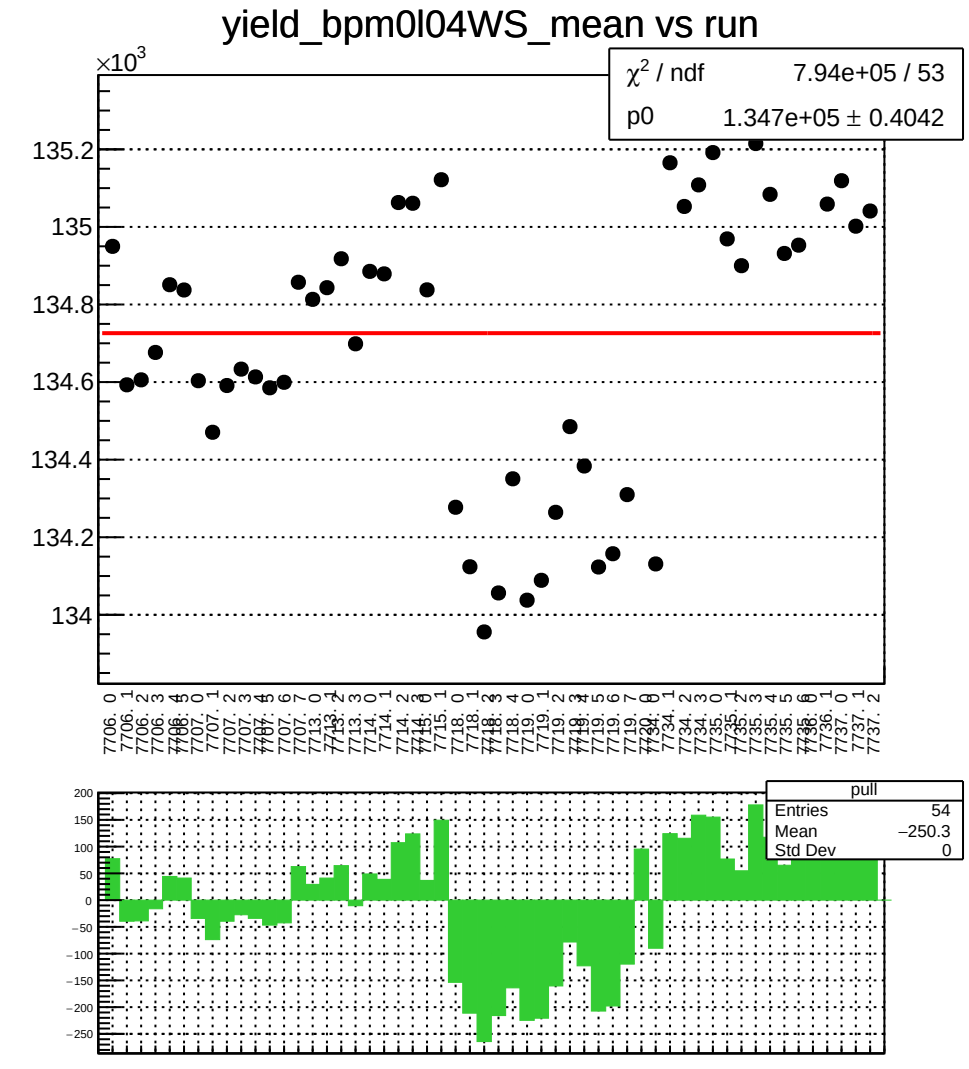

pull1D
Entries 54
Mean −0.9619
Std Dev 3.544
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

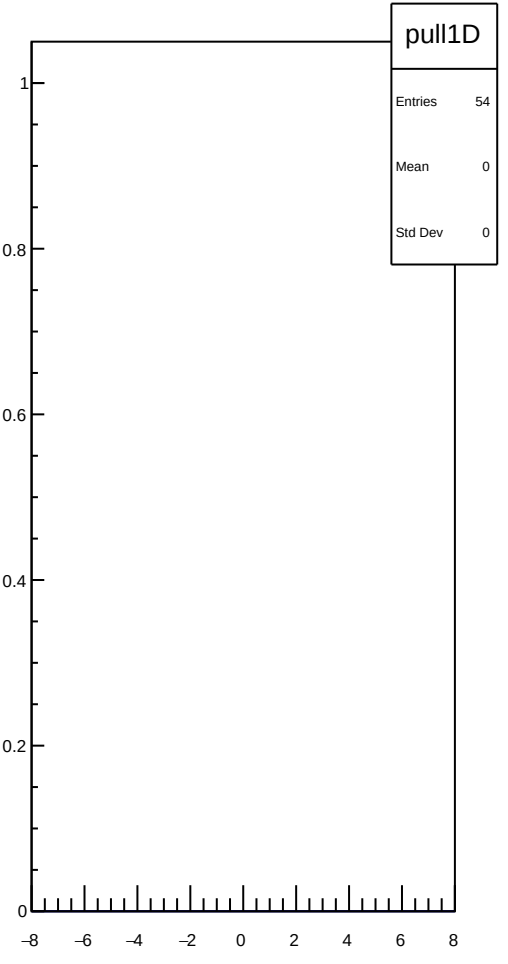

yield_bpm0l02WS_rms vs run
χ² / ndf 6376 / 53
p0 322.6 ± 0.314
480
460
440
420
400
380
360
340
320
300
280
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

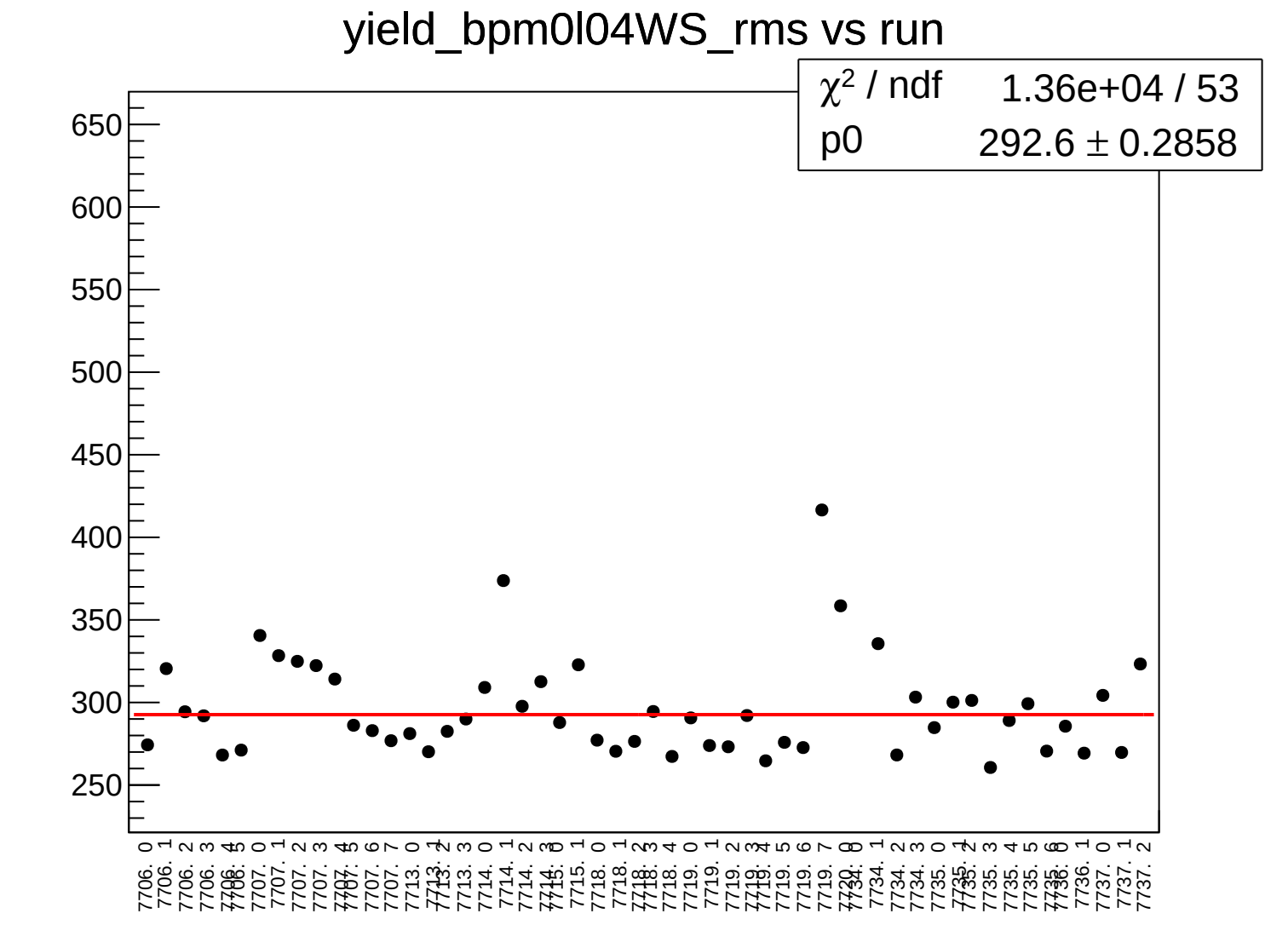

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.577e+05 / 53
p0 1.338e+05 ± 0.7276
134
132
130
128
126
124
122
pull
Entries 54
Mean 29.89
Std Dev 19.98
100
50
0
−50
−100
−150
−200
−250

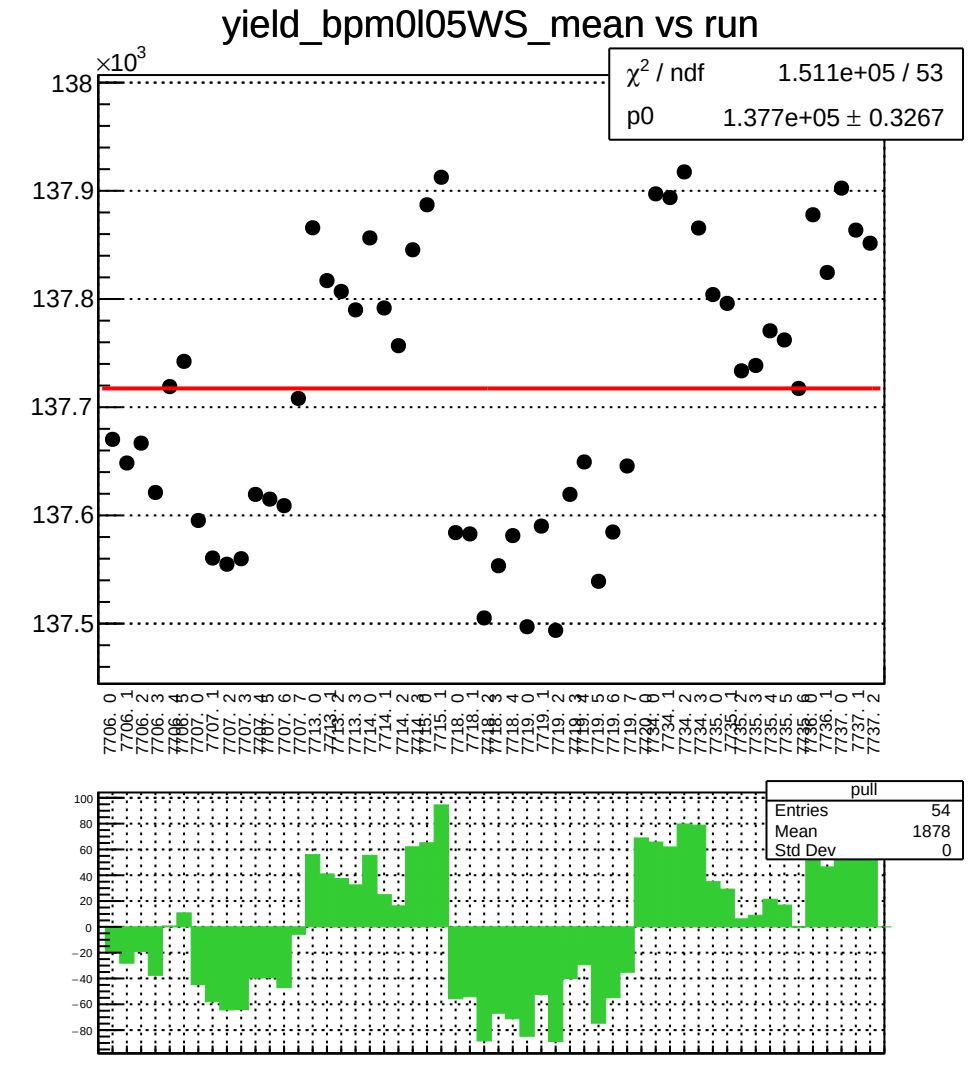

pull1D
Entries 54
Mean 0.2209
Std Dev 4.878
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

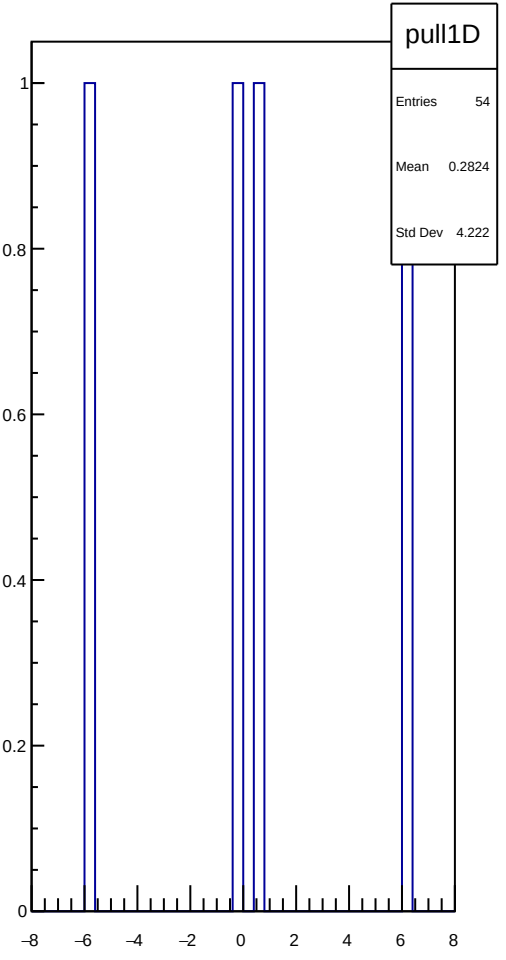

yield_bpm0l03WS_rms vs run
χ² / ndf 2.25e+05 / 53
p0 470.7 ± 0.5145
6000
5000
4000
3000
2000
1000

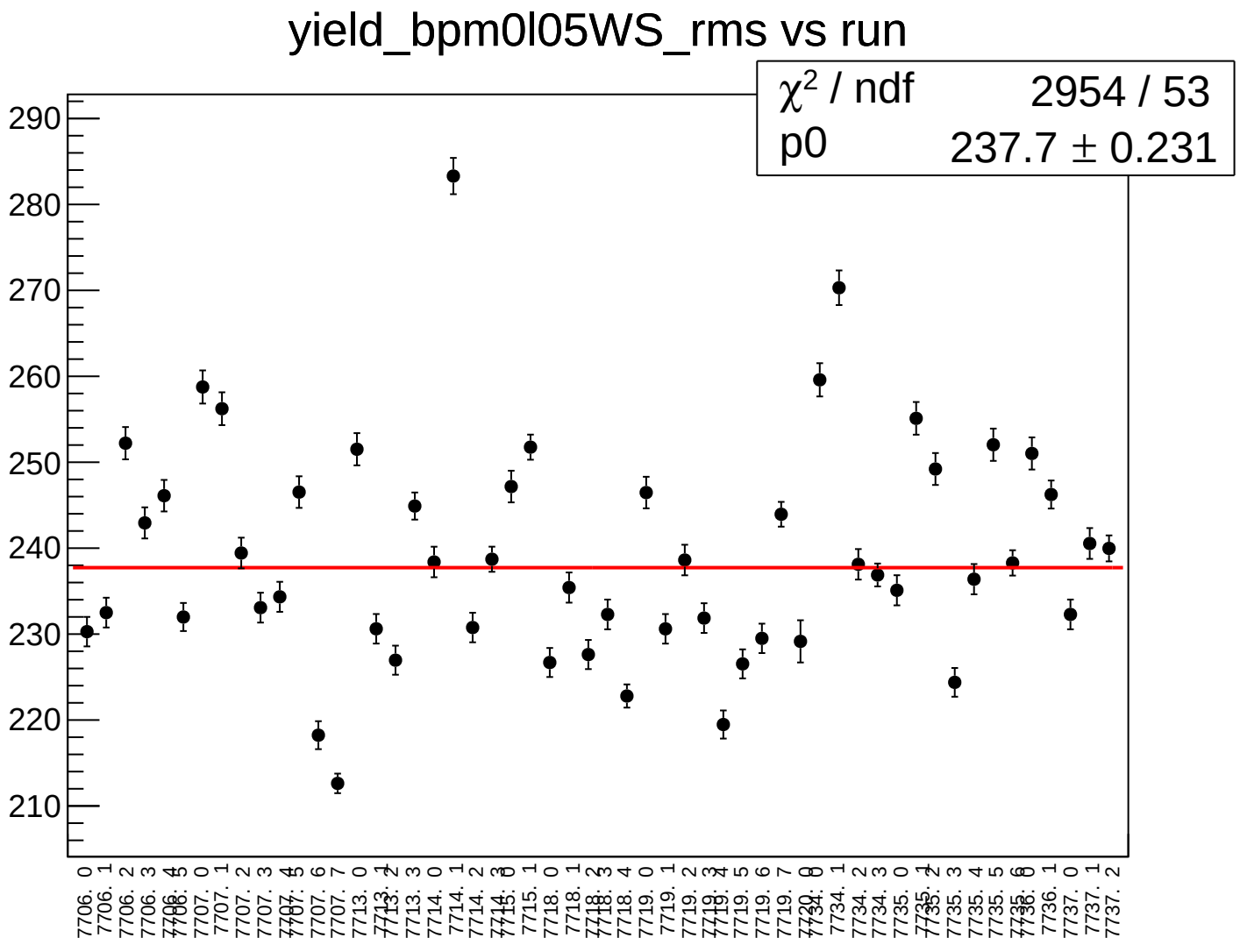

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 7.94e+05 / 53
p0 1.347e+05 ± 0.4042
135.2
135
134.8
134.6
134.4
134.2
134
pull
Entries 54
Mean −250.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

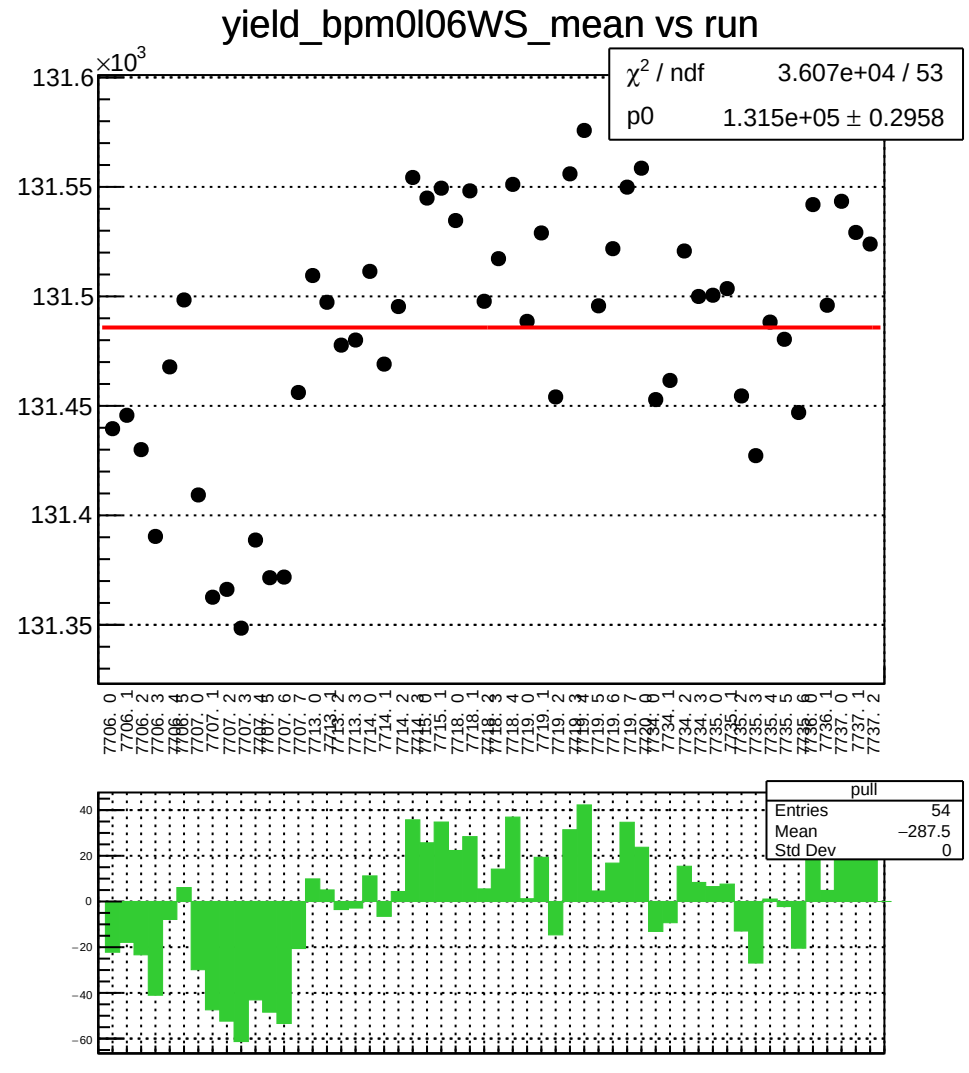

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

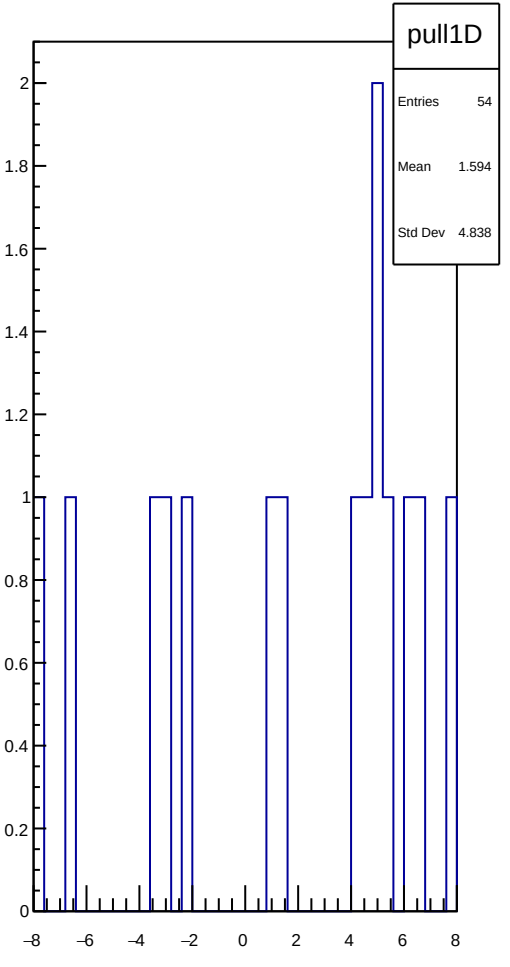

yield_bpm0l04WS_rms vs run
χ² / ndf 1.36e+04 / 53
p0 292.6 ± 0.2858
650
600
550
500
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

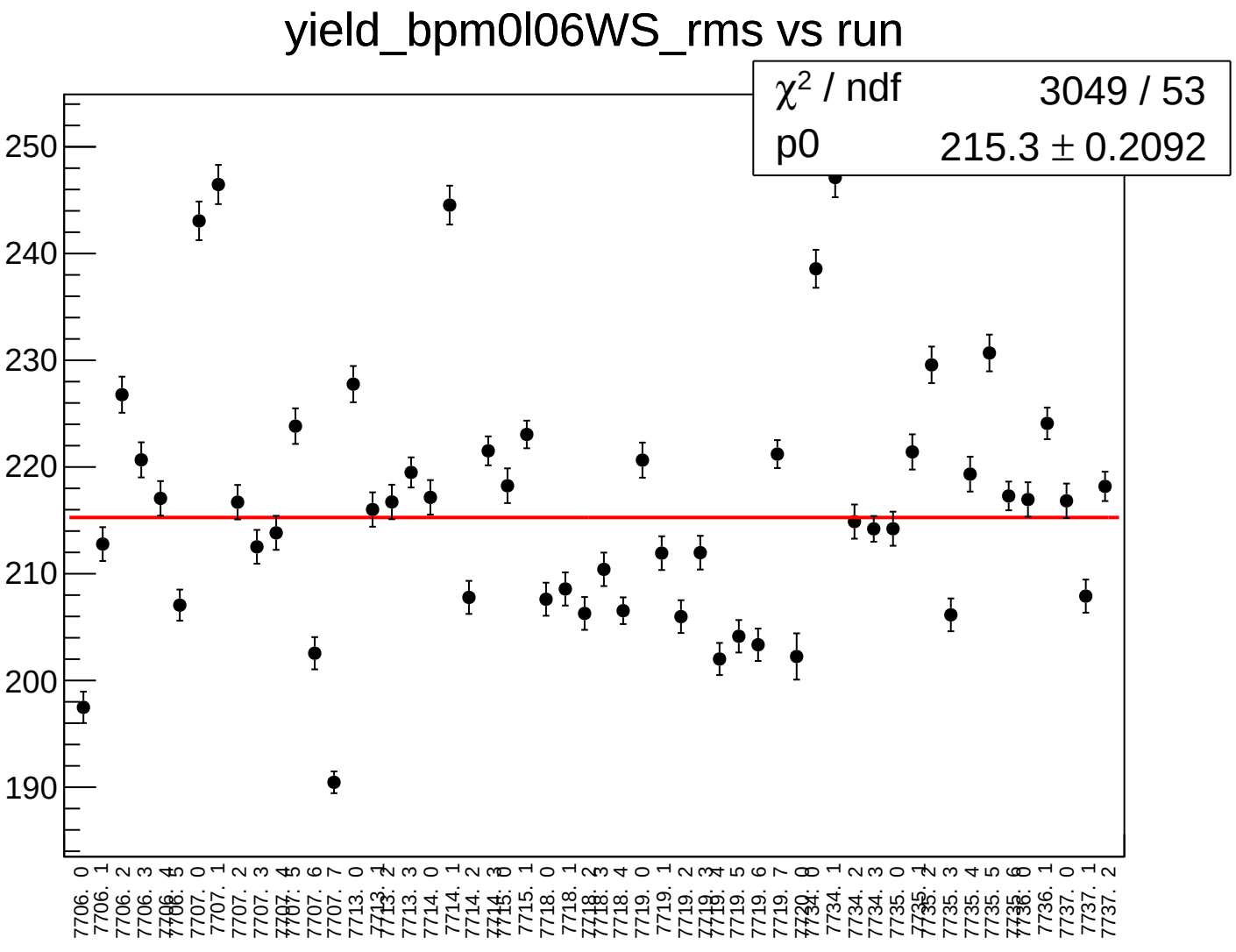

yield_bpm0l05WS_mean vs run
×10^3
138
137.9
137.8
137.7
137.6
137.5
χ² / ndf 1.511e+05 / 53
p0 1.377e+05 ± 0.3267
pull
Entries 54
Mean 1878
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

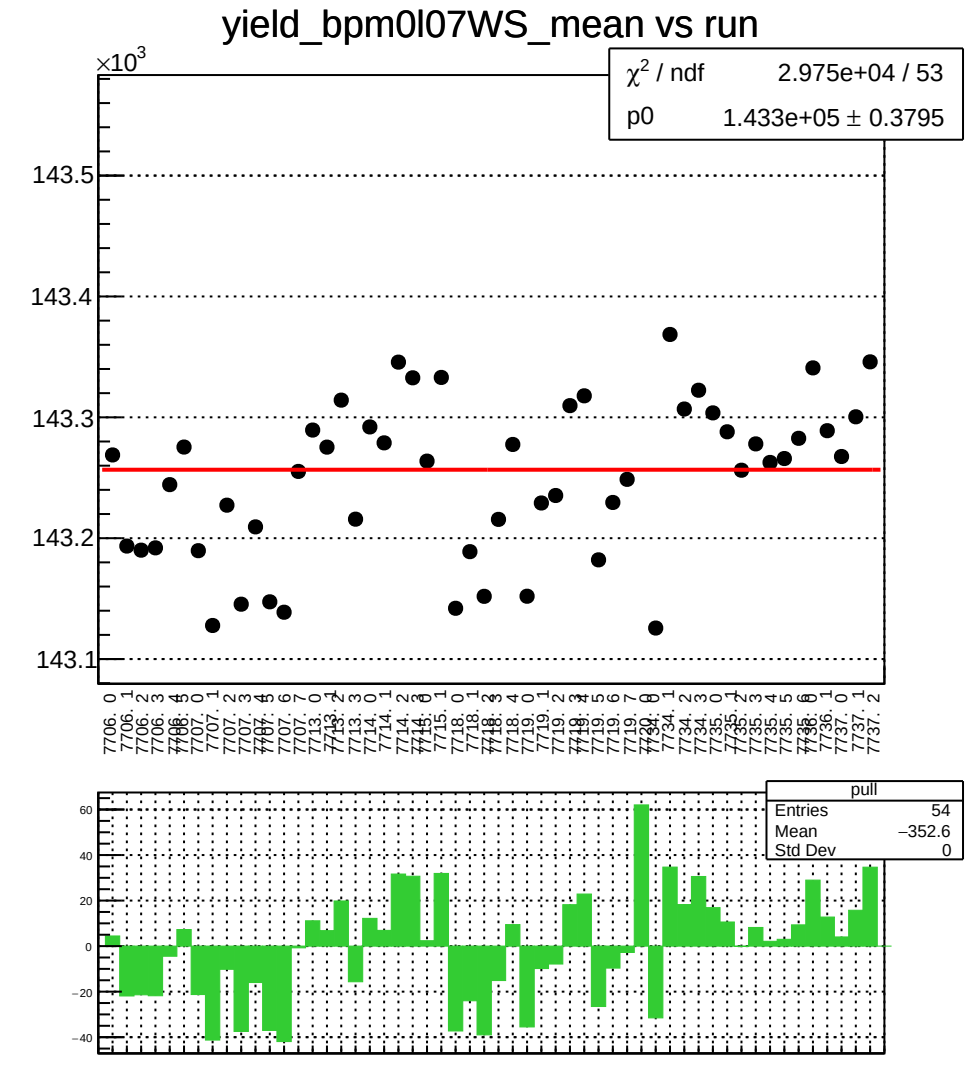

pull1D
Entries 54
Mean 0.2824
Std Dev 4.222
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

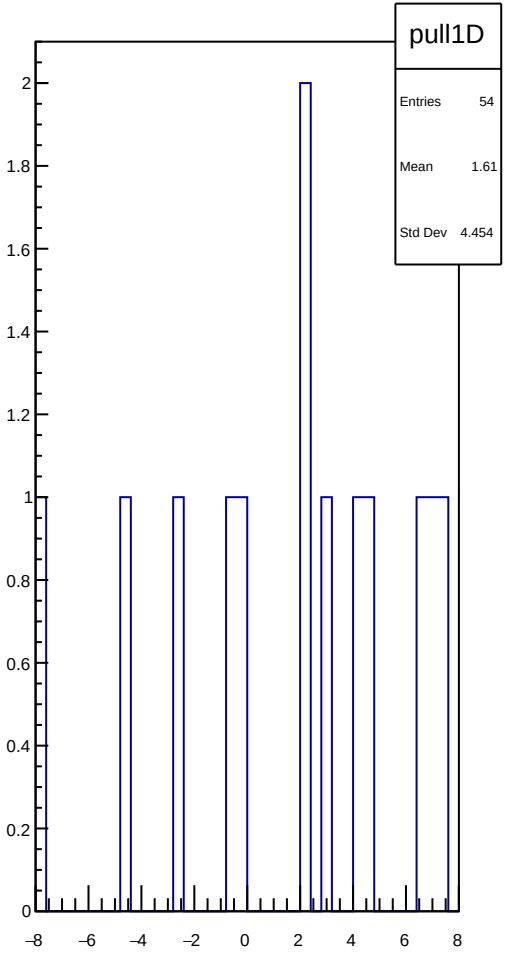

yield_bpm0l05WS_rms vs run
χ² / ndf 2954 / 53
p0 237.7 ± 0.231
290
280
270
260
250
240
230
220
210

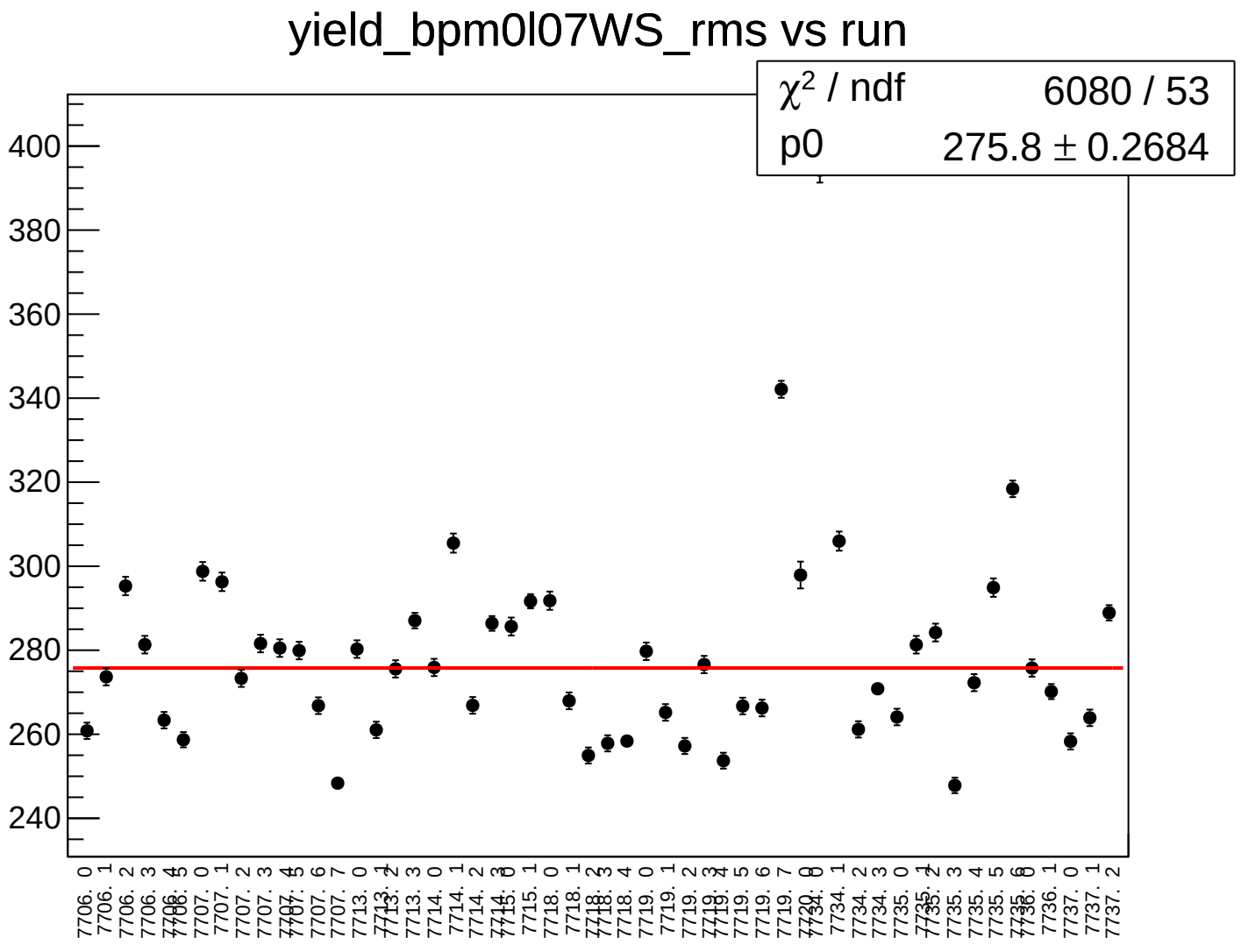

yield_bpm0l06WS_mean vs run
×10^3
131.6
131.55
131.5
131.45
131.4
131.35
χ² / ndf 3.607e+04 / 53
p0 1.315e+05 ± 0.2958
pull
Entries 54
Mean −287.5
Std Dev 0
40
20
0
−20
−40
−60

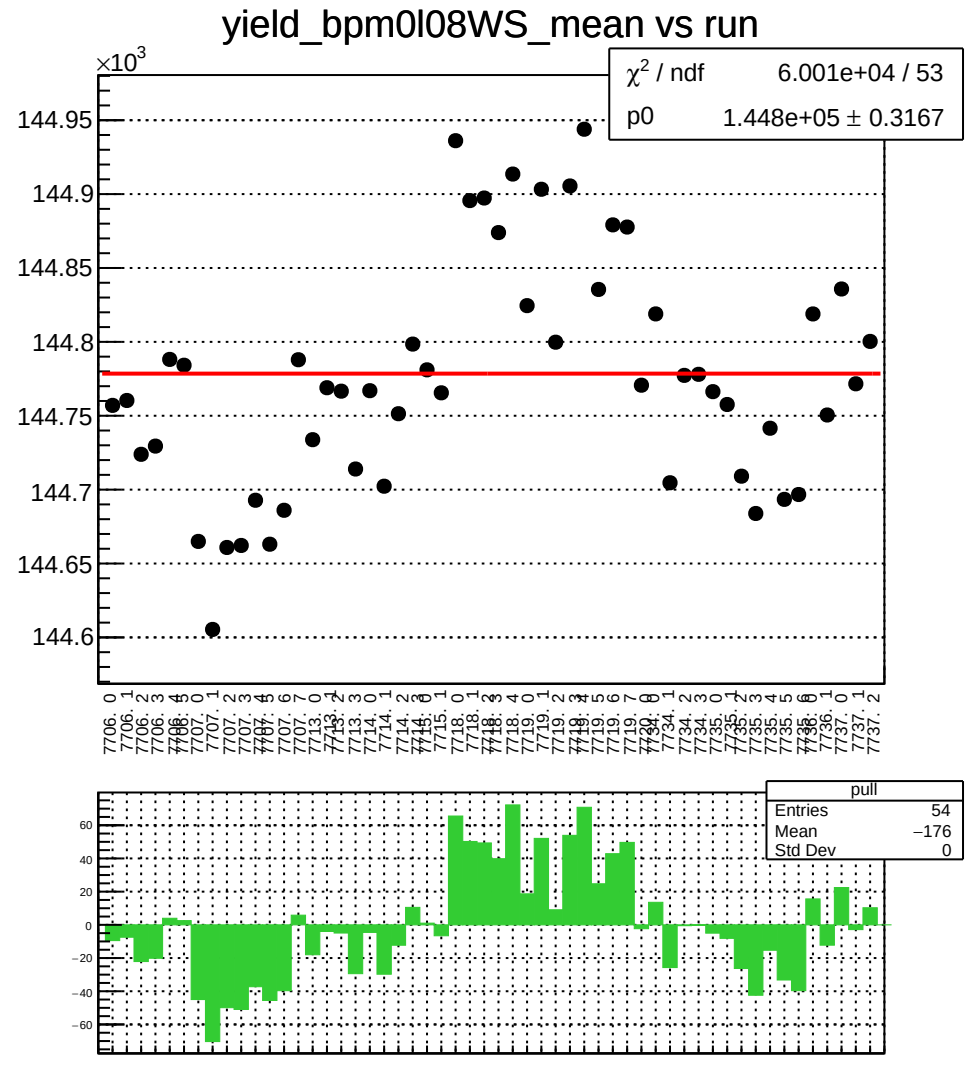

pull1D
Entries 54
Mean 1.594
Std Dev 4.838
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

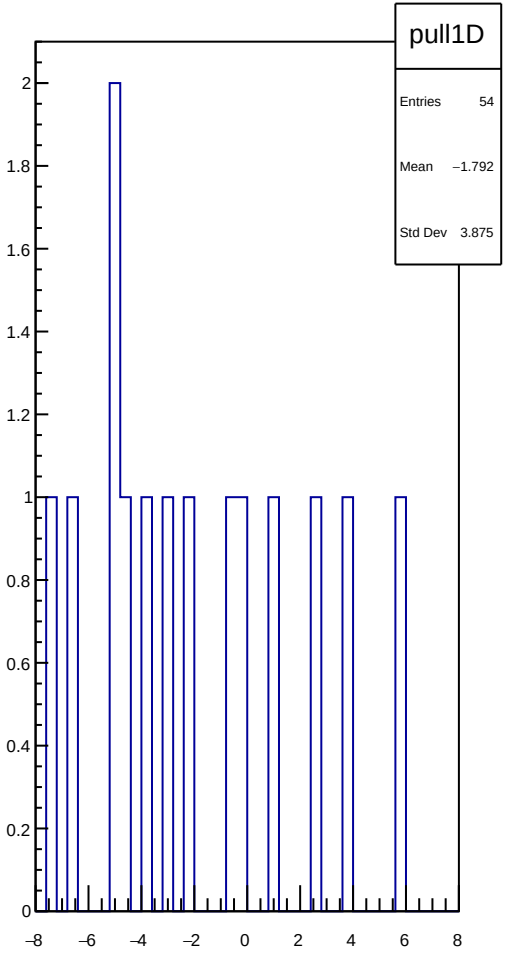

yield_bpm0l06WS_rms vs run
χ² / ndf 3049 / 53
p0 215.3 ± 0.2092
250
240
230
220
210
200
190

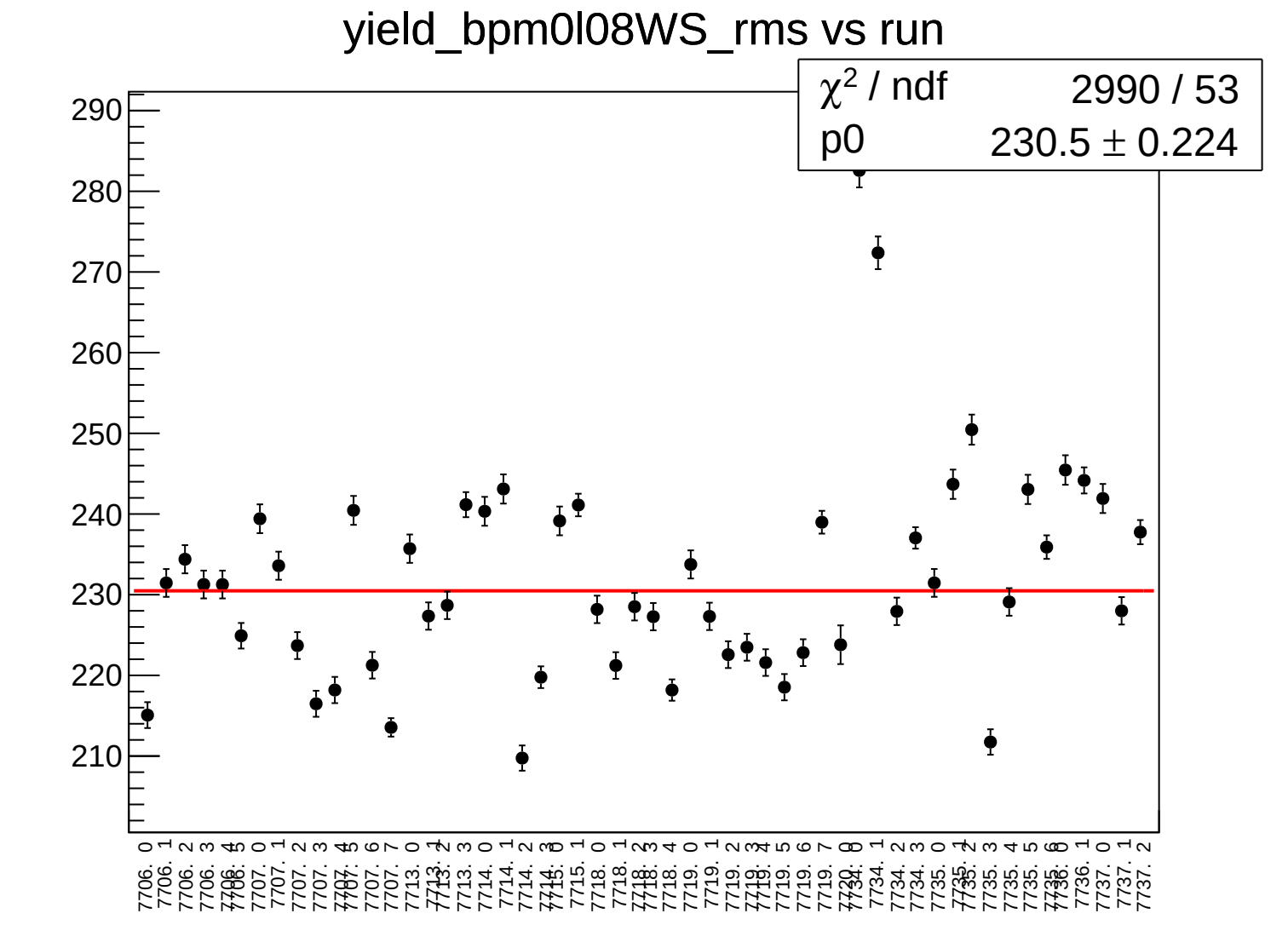

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 2.975e+04 / 53
p0 1.433e+05 ± 0.3795
143.5
143.4
143.3
143.2
143.1
pull
Entries 54
Mean −352.6
Std Dev 0
60
40
20
0
−20
−40

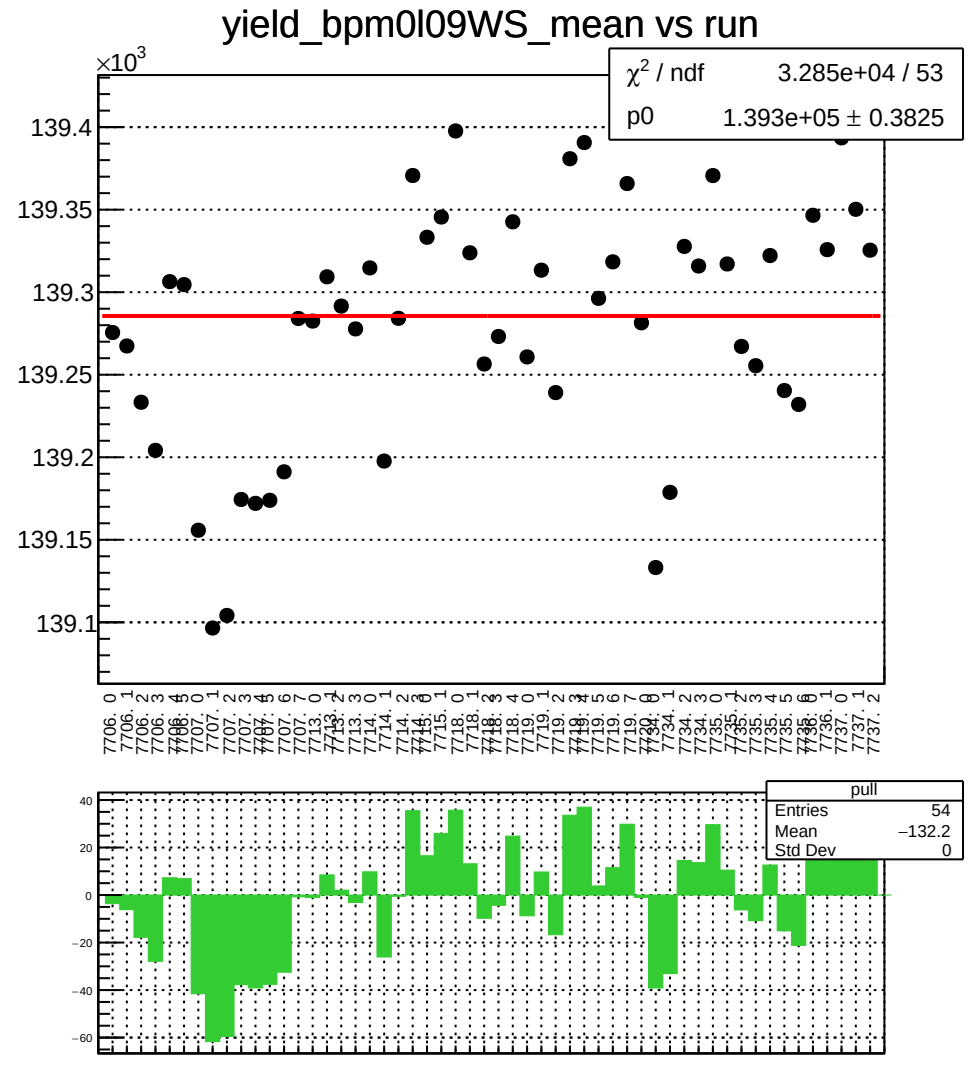

pull1D
Entries 54
Mean 1.61
Std Dev 4.454
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

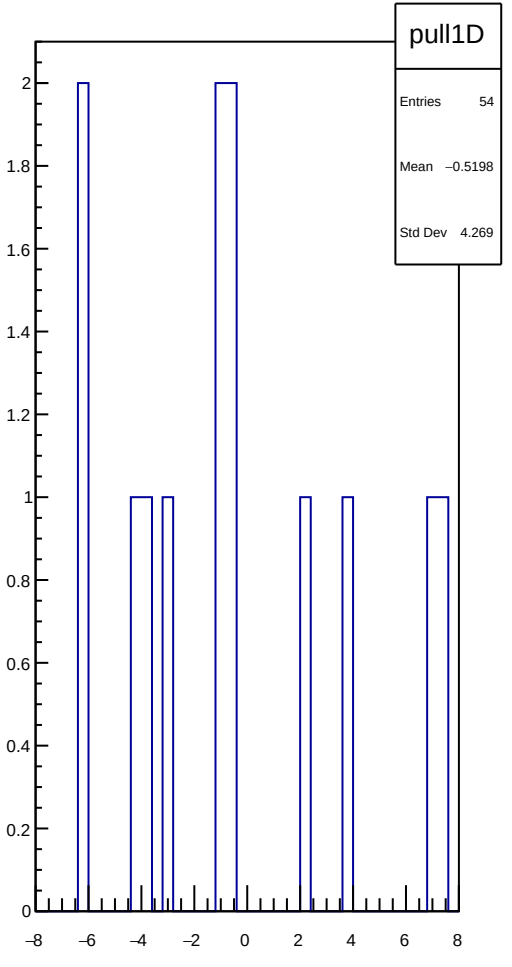

yield_bpm0l07WS_rms vs run
χ² / ndf 6080 / 53
p0 275.8 ± 0.2684
400
380
360
340
320
300
280
260
240

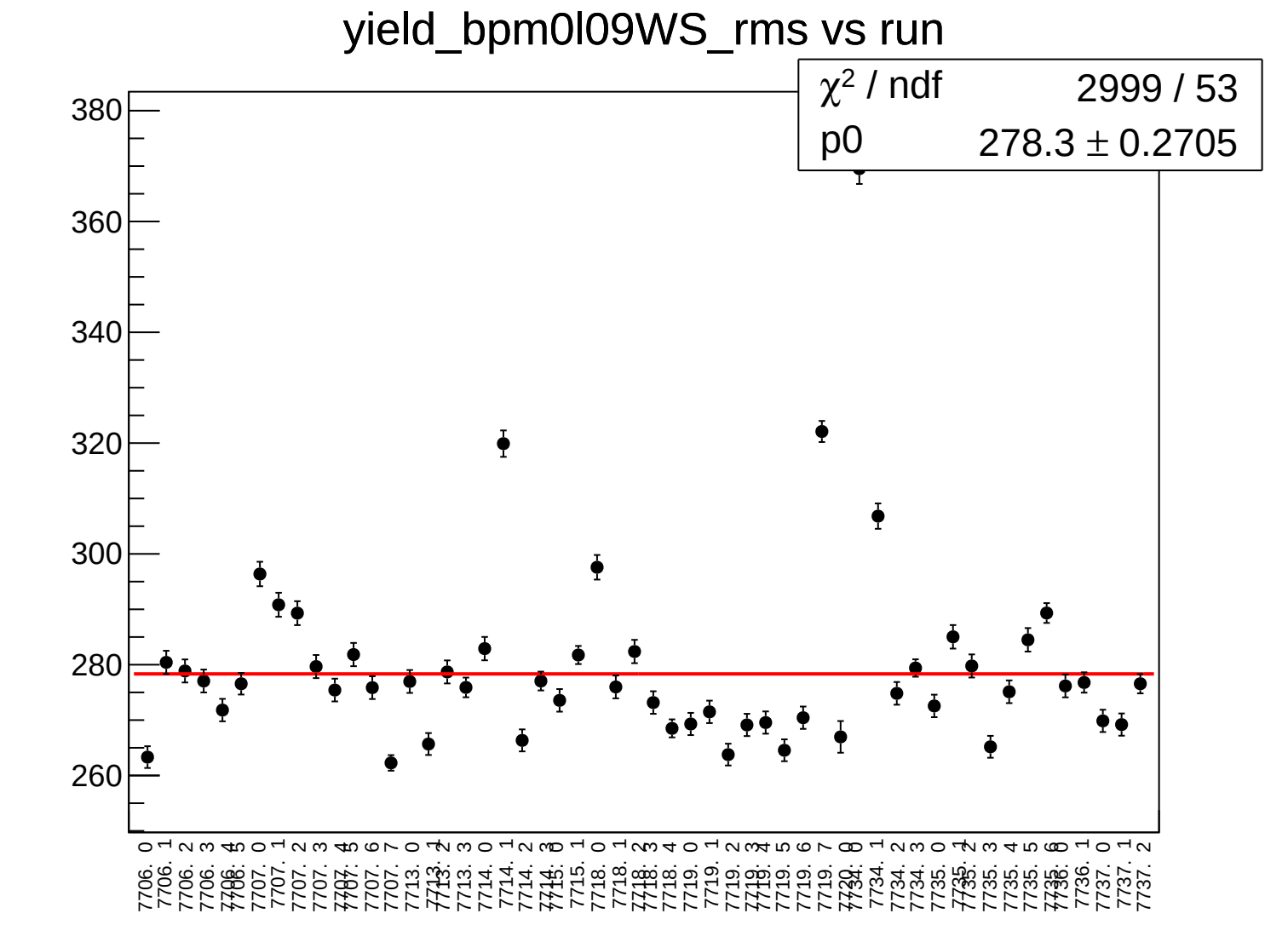

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 6.001e+04 / 53
p0 1.448e+05 ± 0.3167
144.95
144.9
144.85
144.8
144.75
144.7
144.65
144.6
pull
Entries 54
Mean −176
Std Dev 0
60
40
20
0
−20
−40
−60

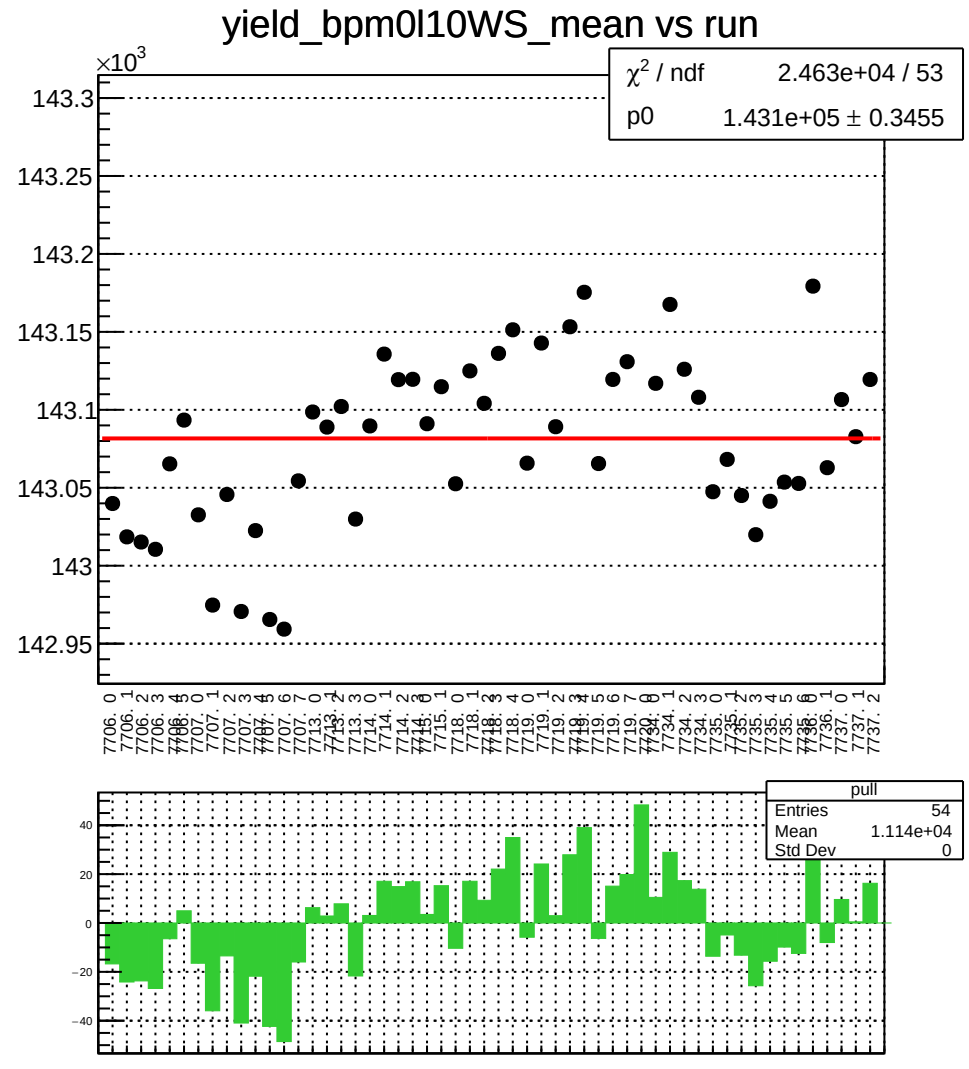

pull1D
Entries 54
Mean −1.792
Std Dev 3.875
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

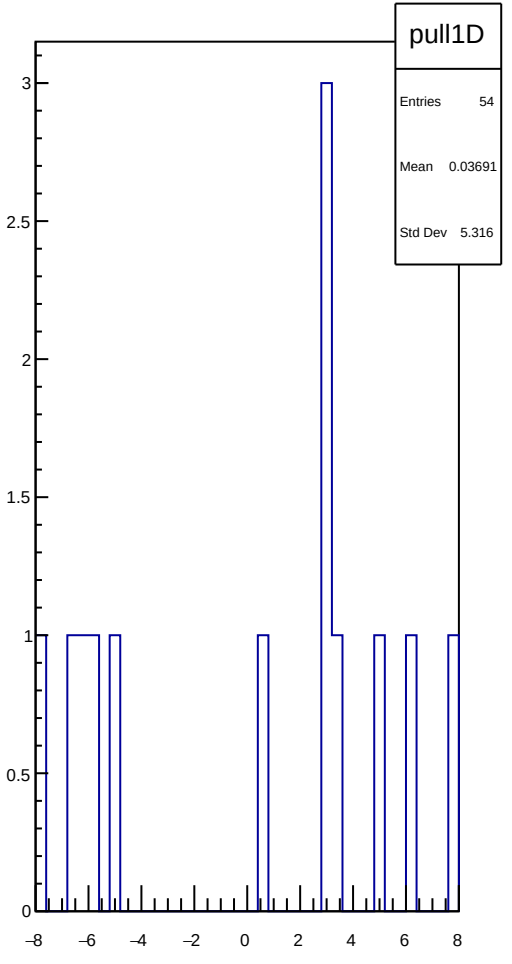

yield_bpm0l08WS_rms vs run
χ^2 / ndf 2990 / 53
p0 230.5 ± 0.224
290
280
270
260
250
240
230
220
210
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

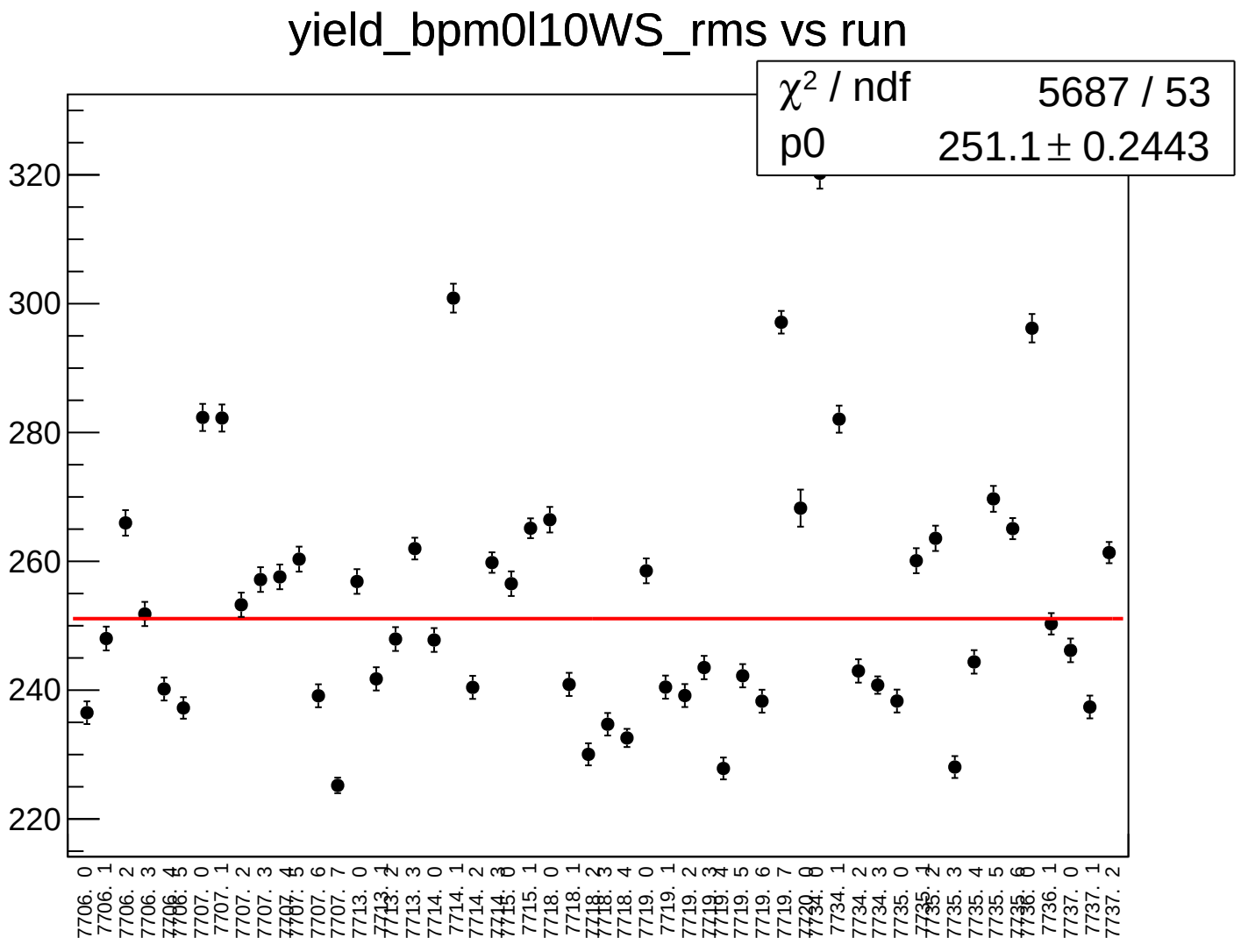

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 3.285e+04 / 53
p0 1.393e+05 ± 0.3825
139.4
139.35
139.3
139.25
139.2
139.15
139.1
pull
Entries 54
Mean −132.2
Std Dev 0
40
20
0
−20
−40
−60

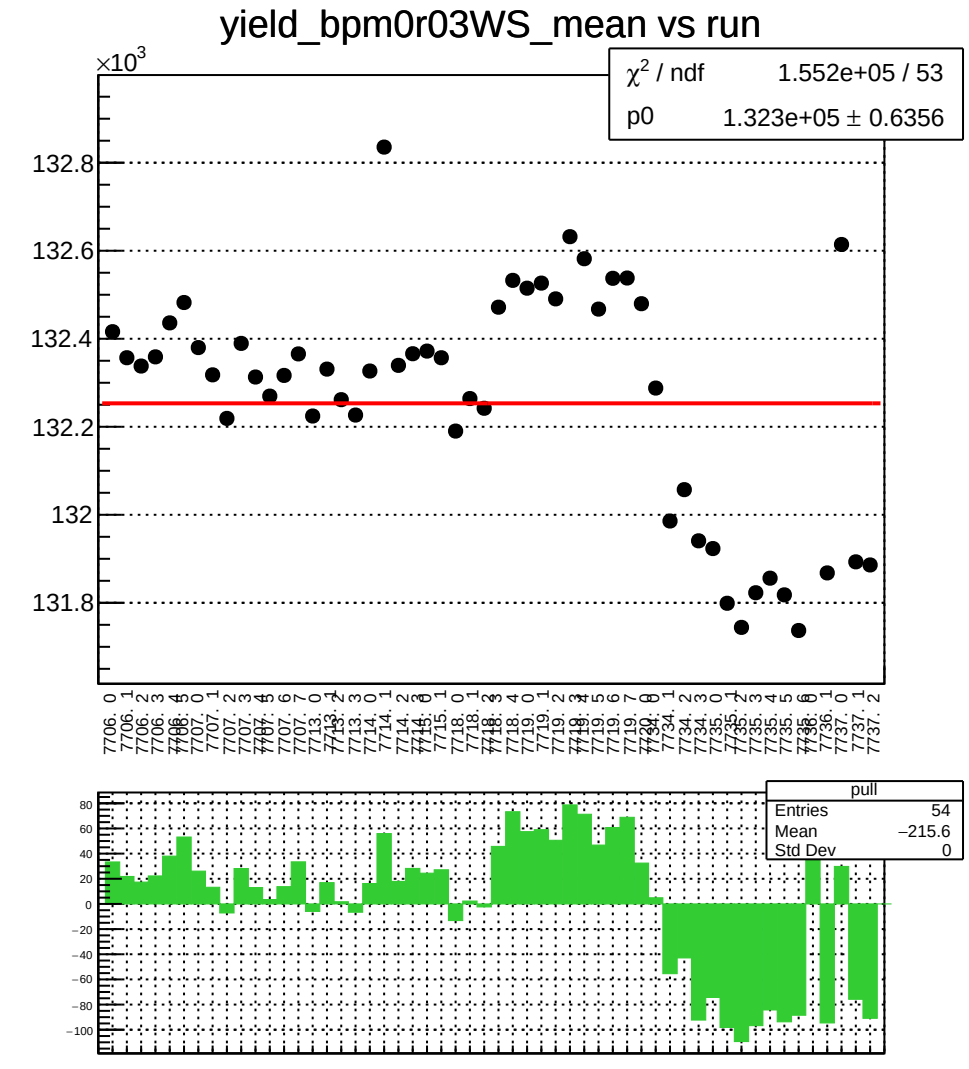

pull1D
Entries 54
Mean −0.5198
Std Dev 4.269
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

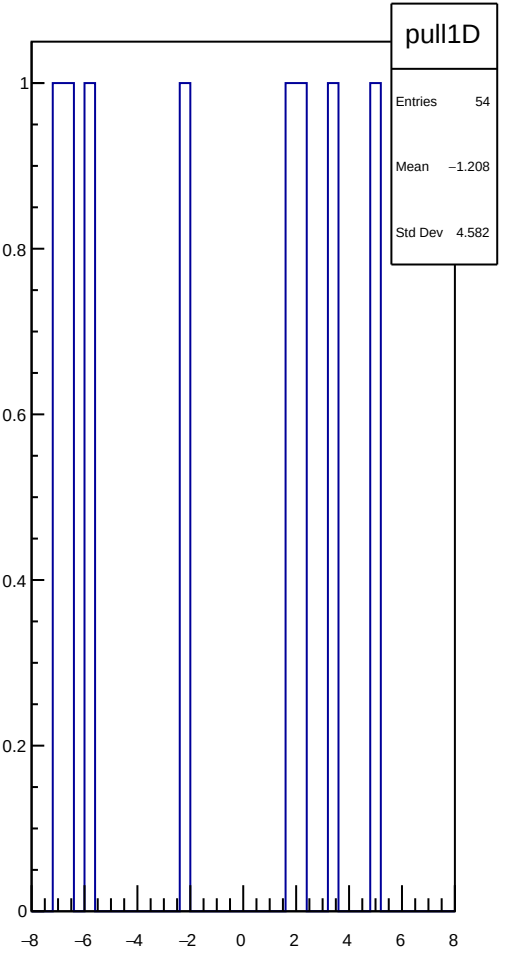

yield_bpm0l09WS_rms vs run
χ² / ndf 2999 / 53
p0 278.3 ± 0.2705
380
360
340
320
300
280
260
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

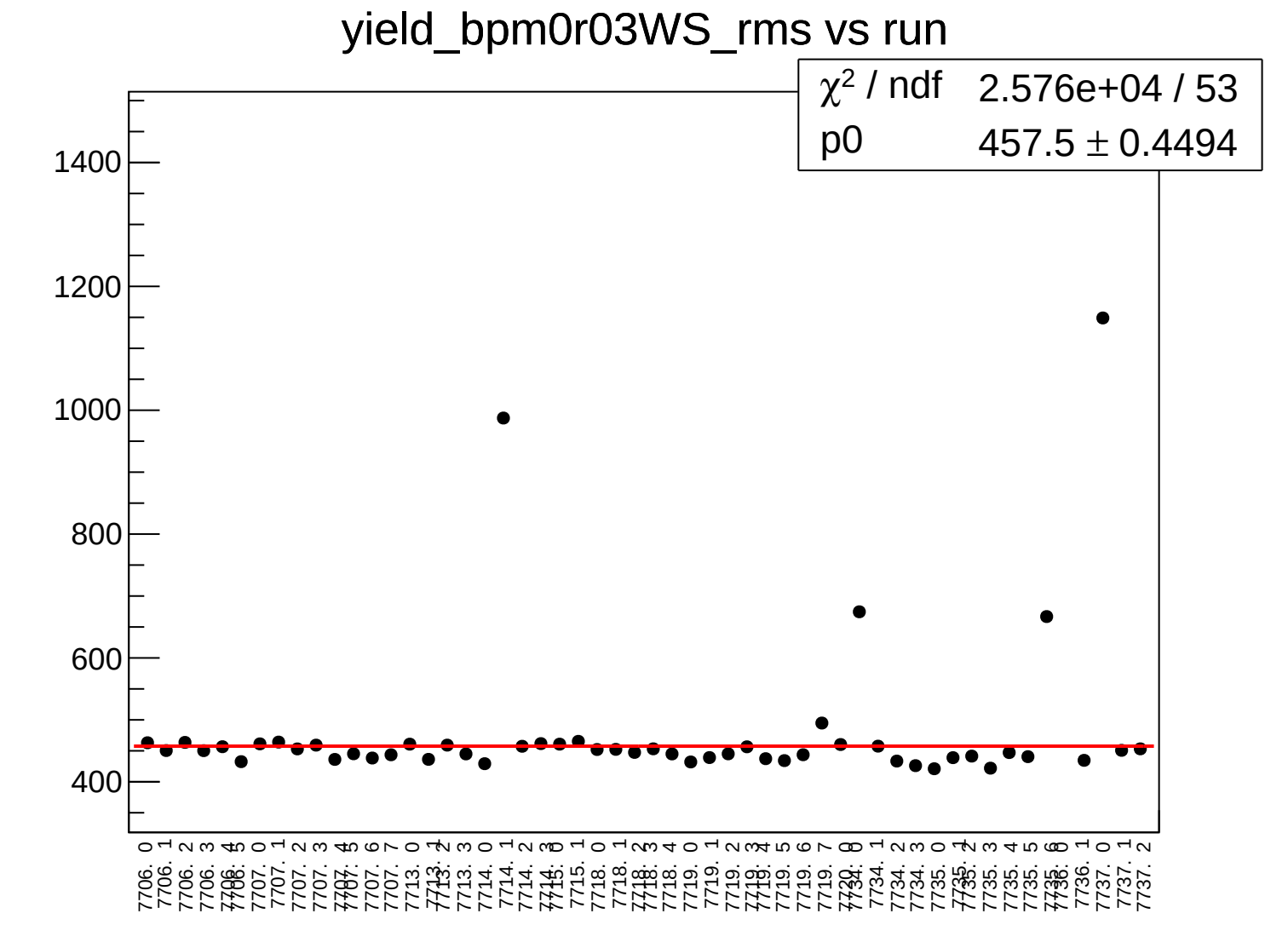

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.463e+04 / 53
p0 1.431e+05 ± 0.3455
143.3
143.25
143.2
143.15
143.1
143.05
143
142.95
pull
Entries 54
Mean 1.114e+04
Std Dev 0
40
20
0
−20
−40

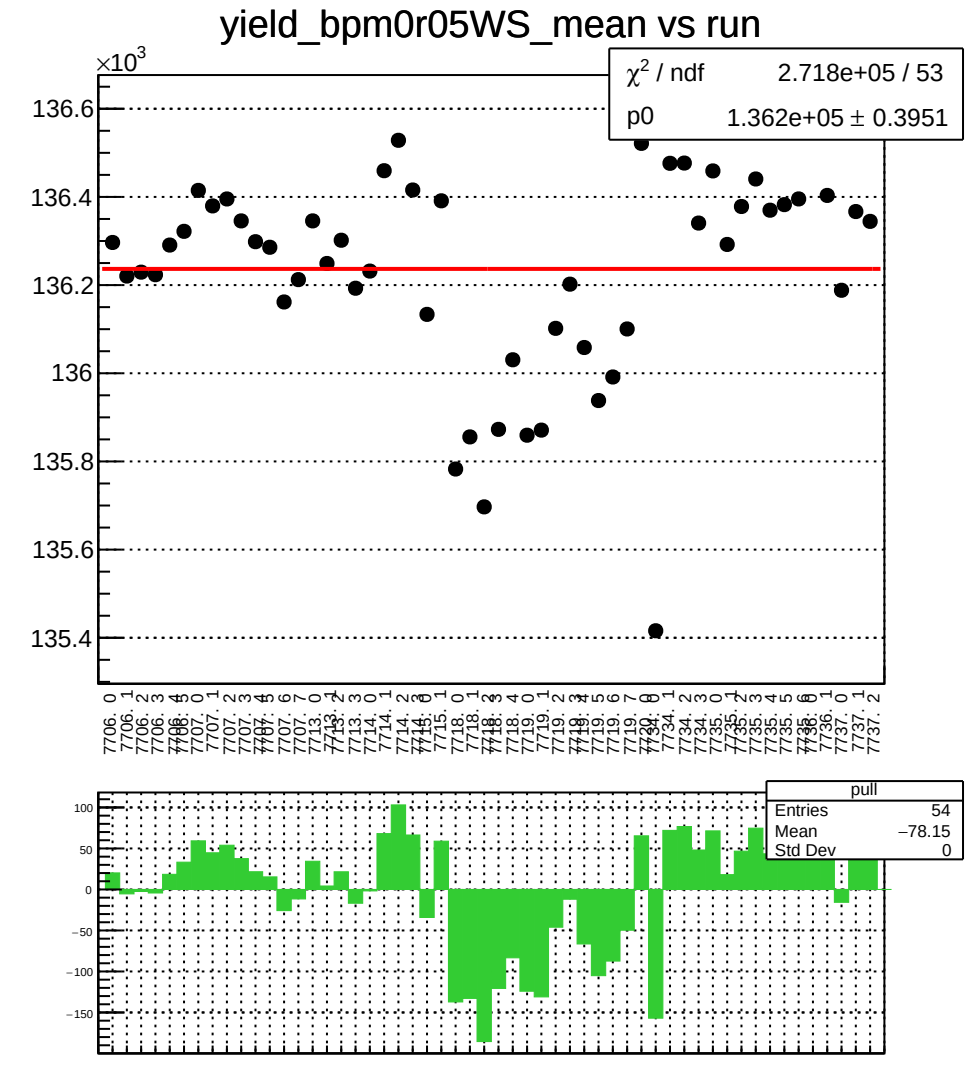

pull1D
Entries 54
Mean 0.03691
Std Dev 5.316
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

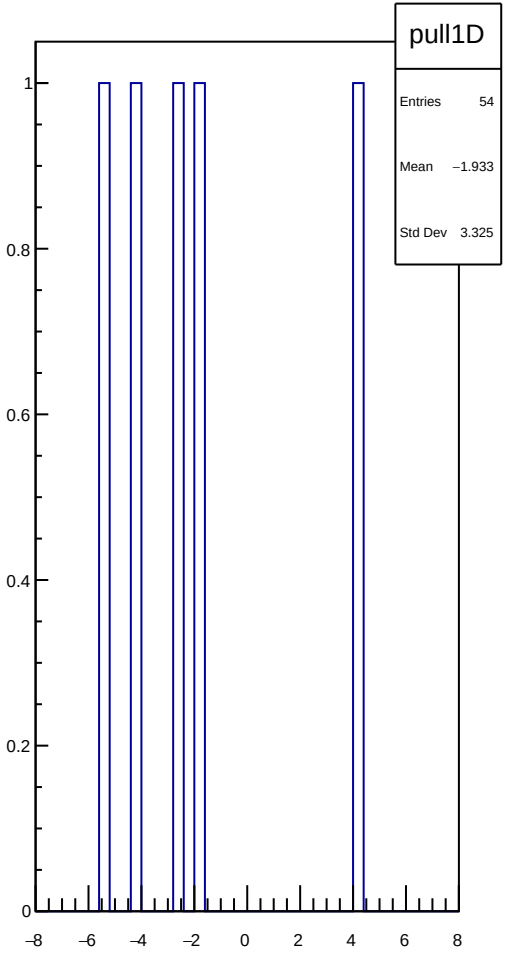

yield_bpm0l10WS_rms vs run
χ² / ndf 5687 / 53
p0 251.1 ± 0.2443
320
300
280
260
240
220

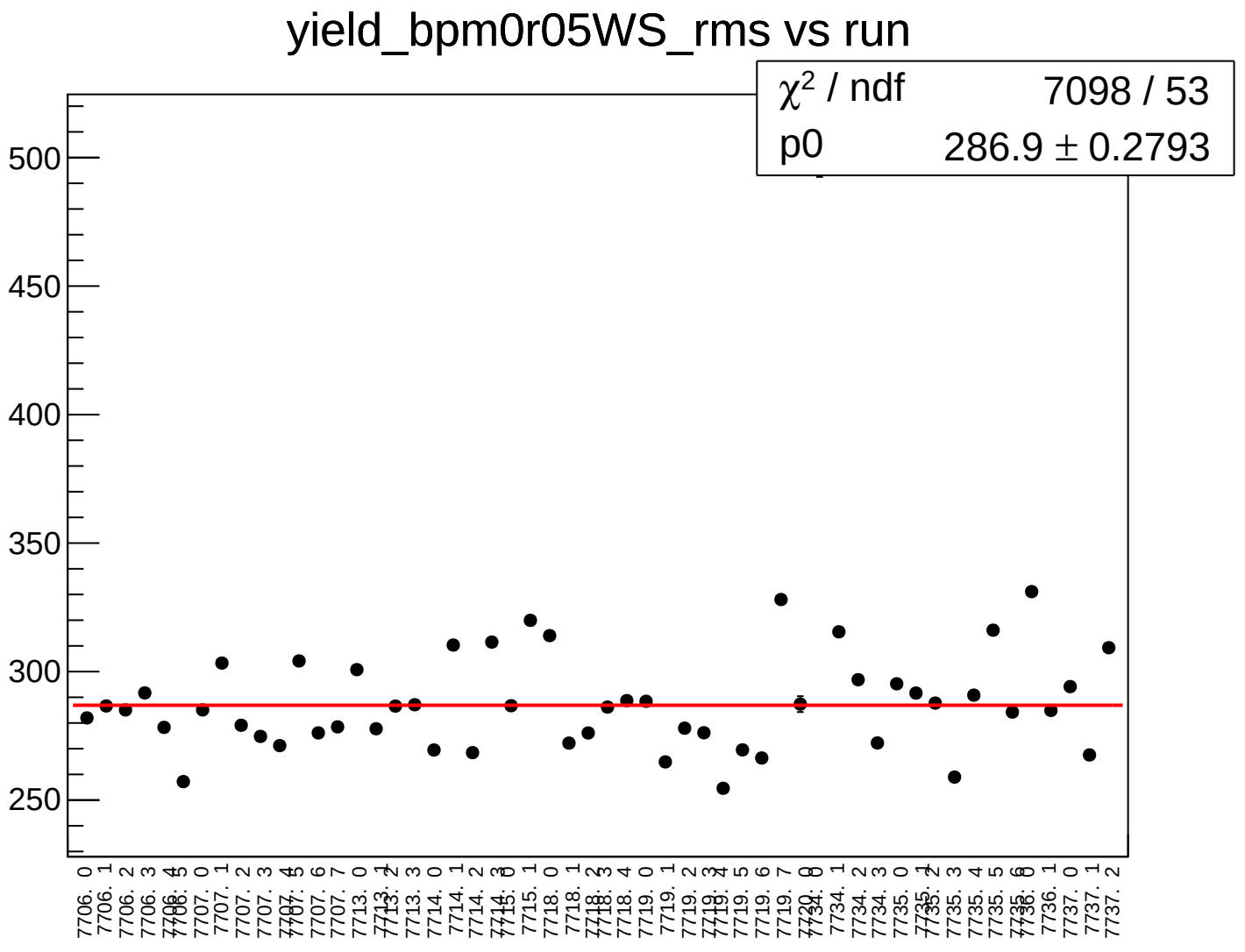

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 1.552e+05 / 53
p0 1.323e+05 ± 0.6356
132.8
132.6
132.4
132.2
132
131.8
pull
Entries 54
Mean −215.6
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

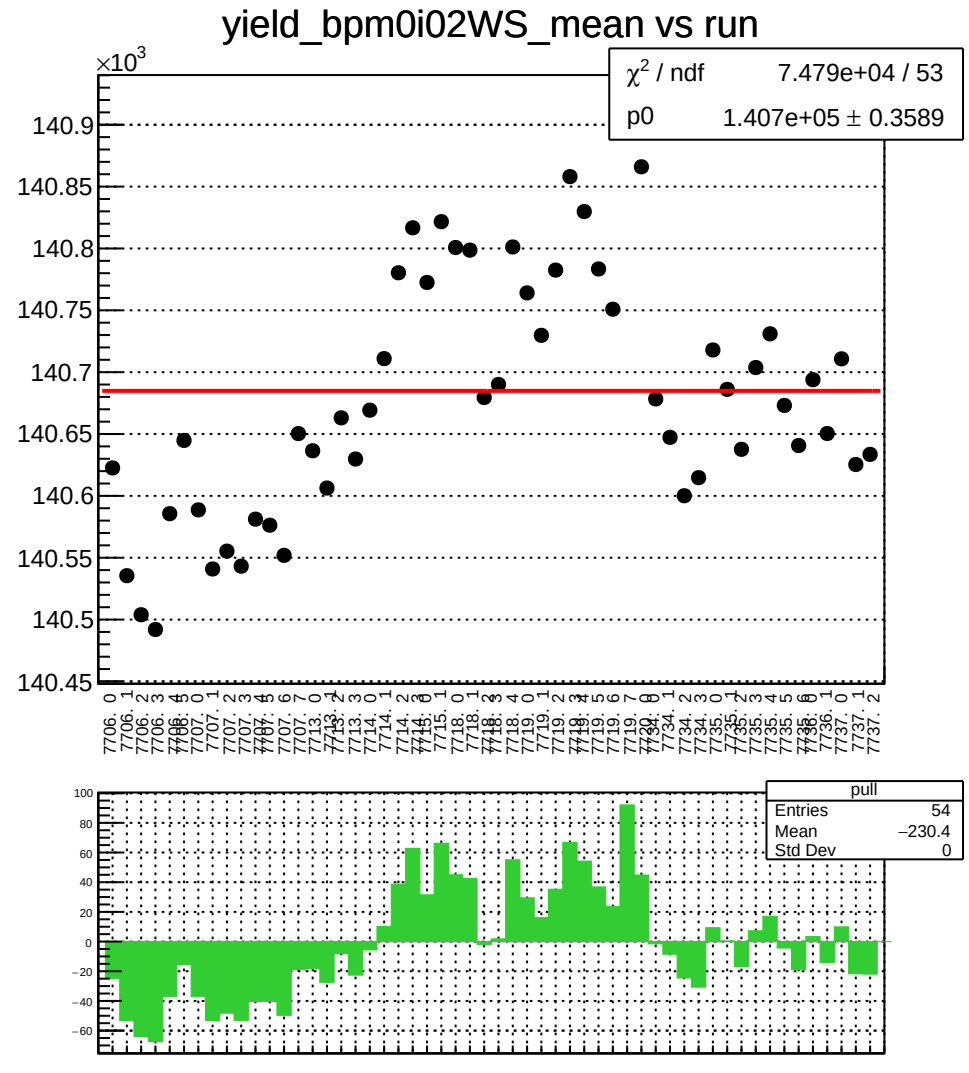

pull1D
Entries 54
Mean −1.208
Std Dev 4.582
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

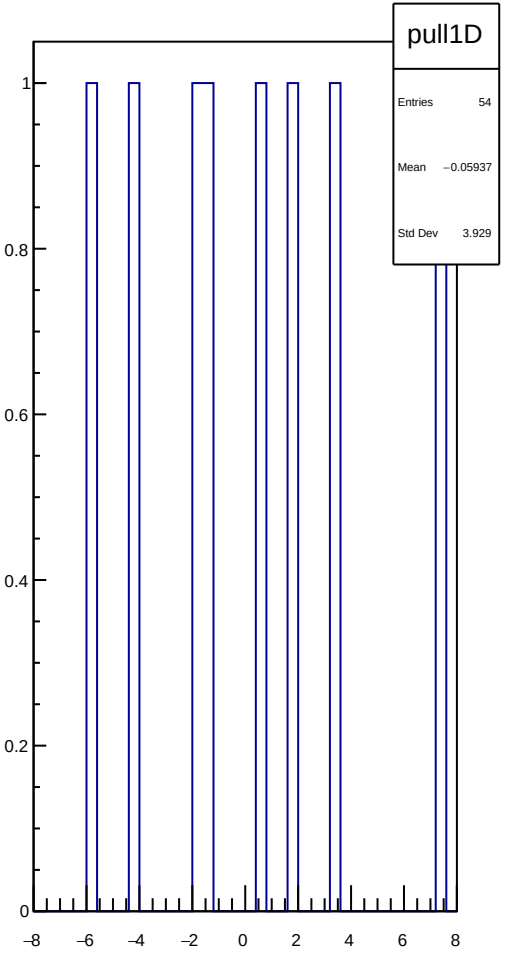

yield_bpm0r03WS_rms vs run
χ² / ndf 2.576e+04 / 53
p0 457.5 ± 0.4494
1400
1200
1000
800
600
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

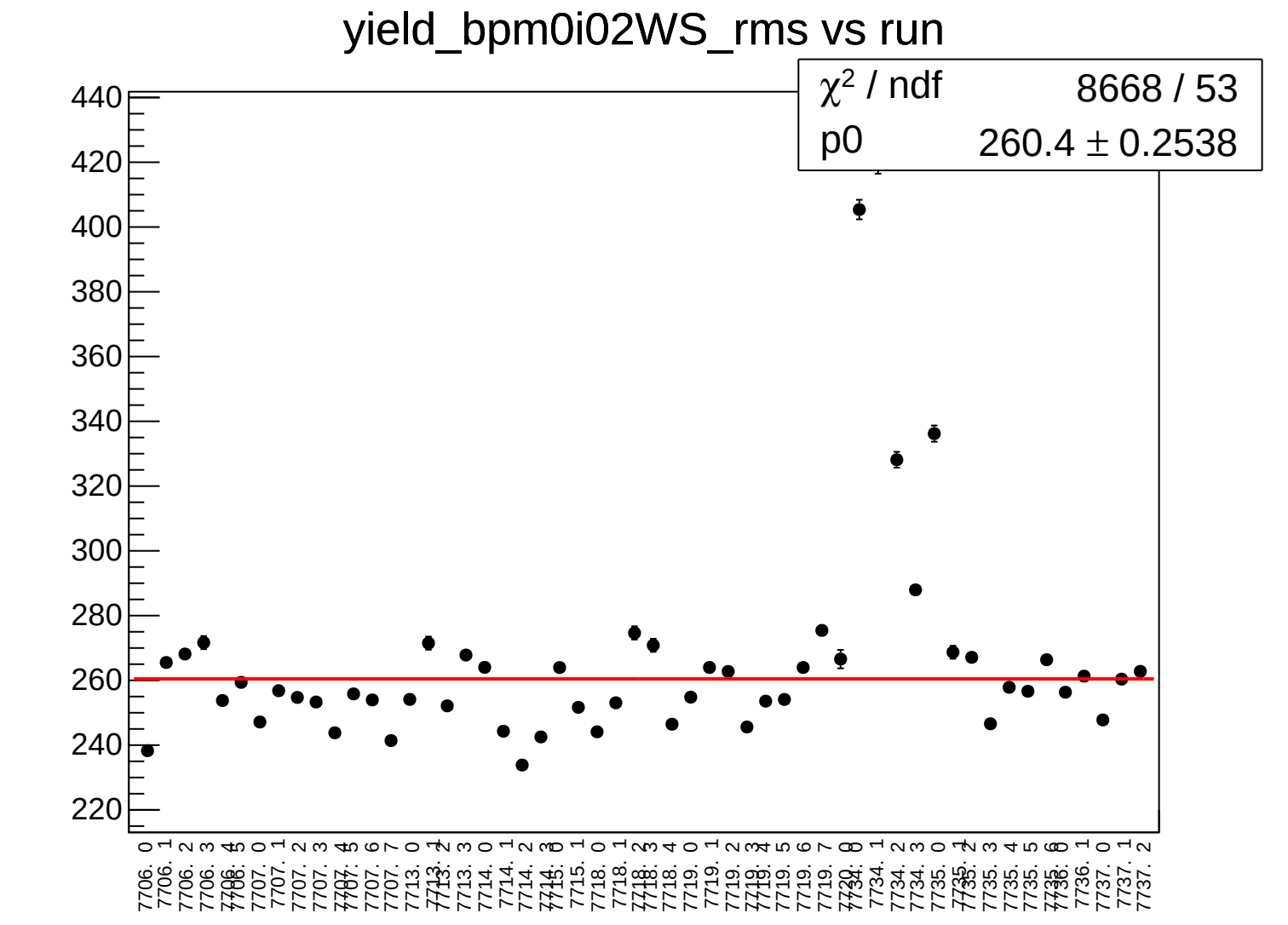

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 2.718e+05 / 53
p0 1.362e+05 ± 0.3951
136.6
136.4
136.2
136
135.8
135.6
135.4
pull
Entries 54
Mean −78.15
Std Dev 0
100
50
0
−50
−100
−150

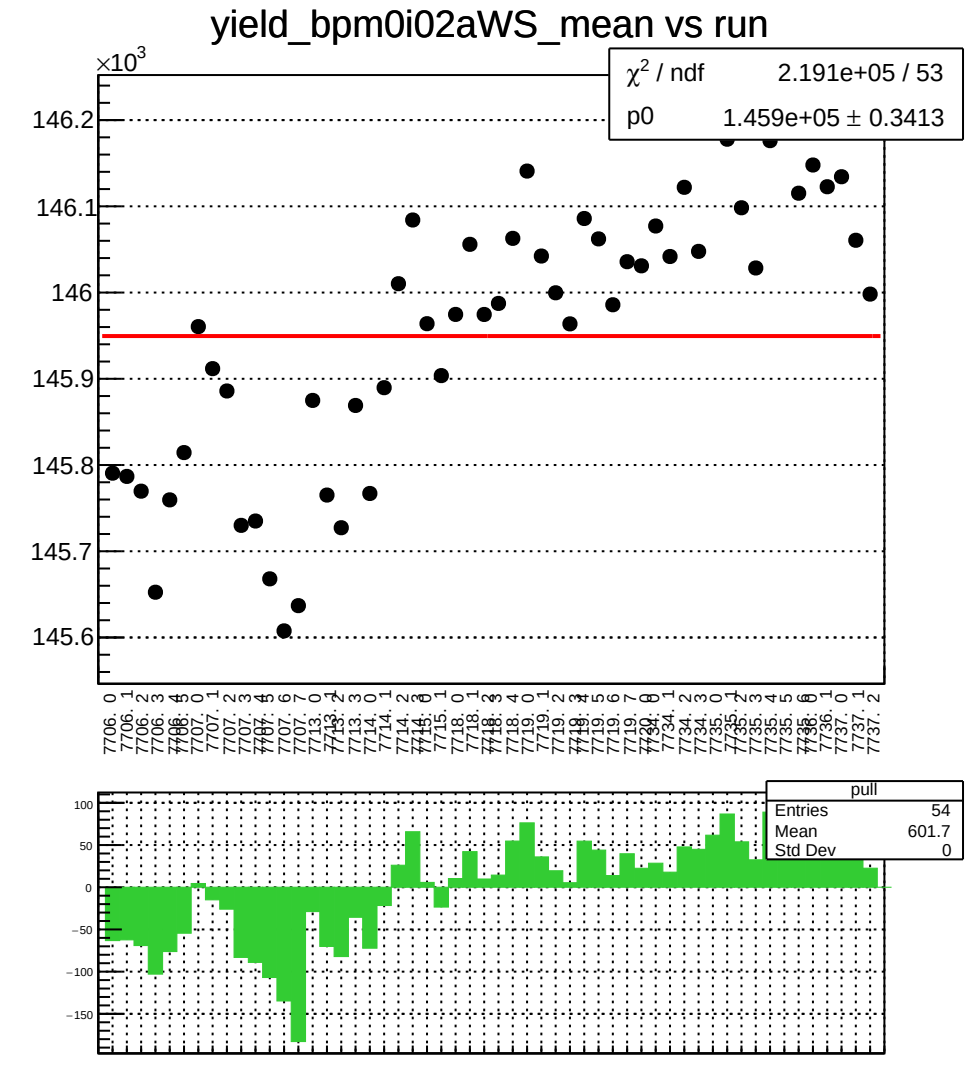

pull1D
Entries 54
Mean −1.933
Std Dev 3.325
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

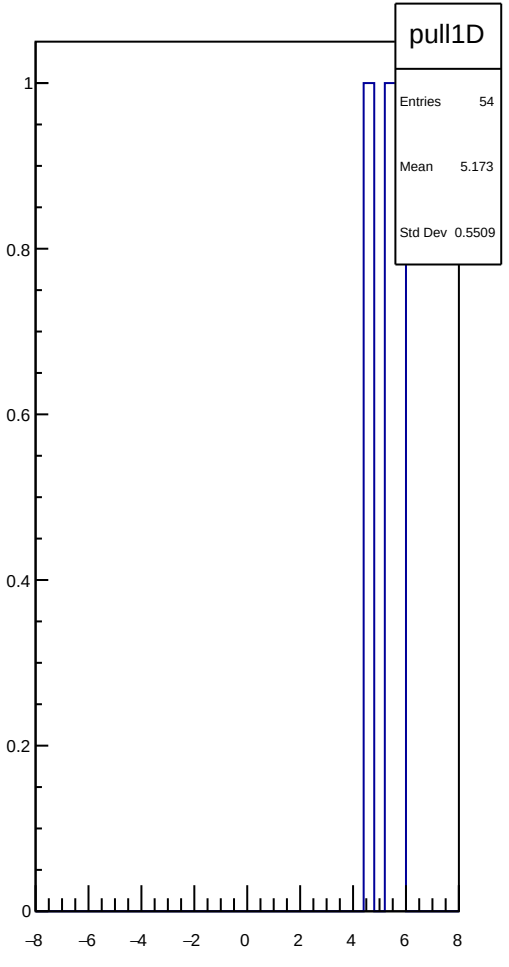

yield_bpm0r05WS_rms vs run
χ² / ndf 7098 / 53
p0 286.9 ± 0.2793
500
450
400
350
300
250

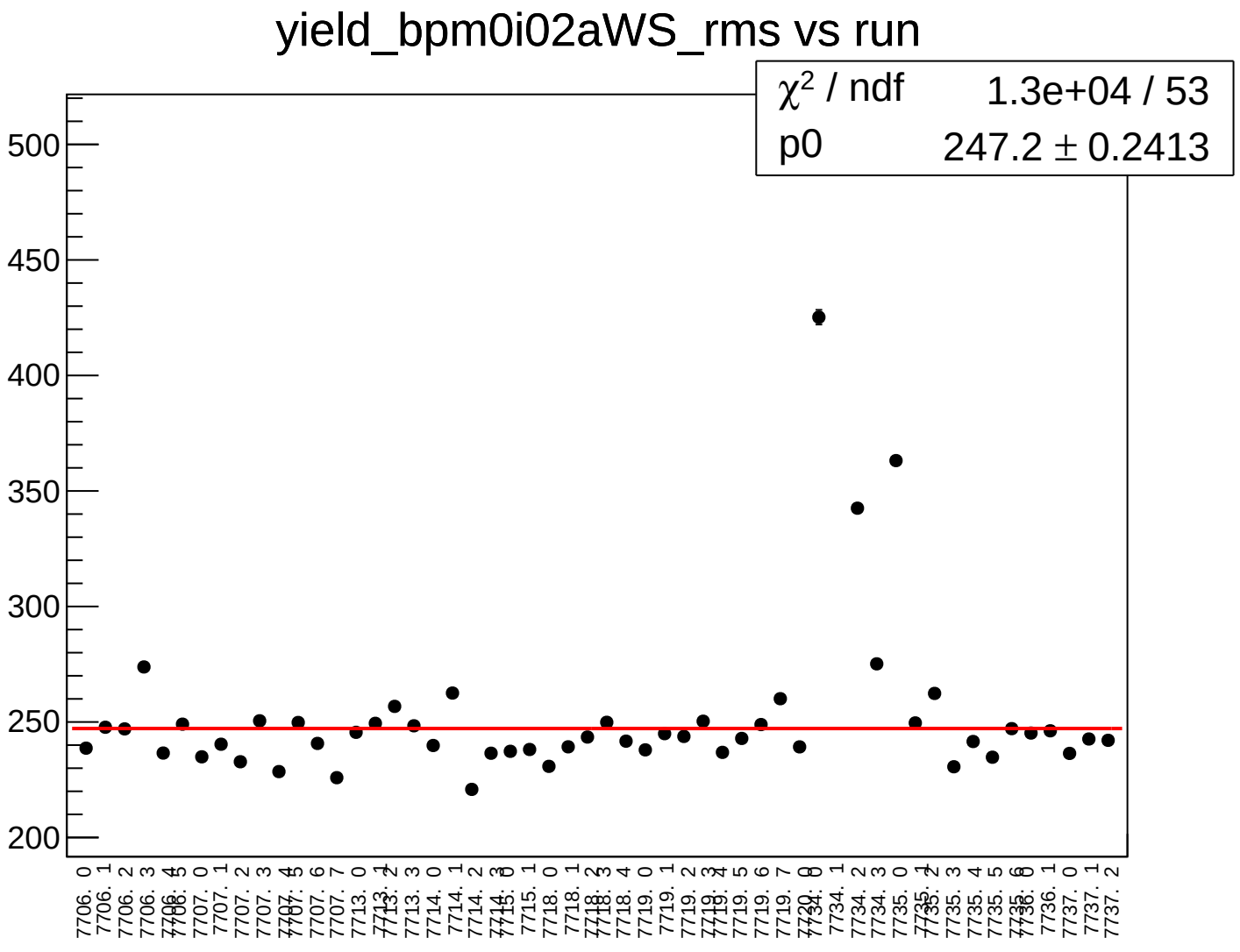

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 7.479e+04 / 53
p0 1.407e+05 ± 0.3589
140.9
140.85
140.8
140.75
140.7
140.65
140.6
140.55
140.5
140.45
pull
Entries 54
Mean −230.4
Std Dev 0
100
80
60
40
20
0
−20
−40
−60

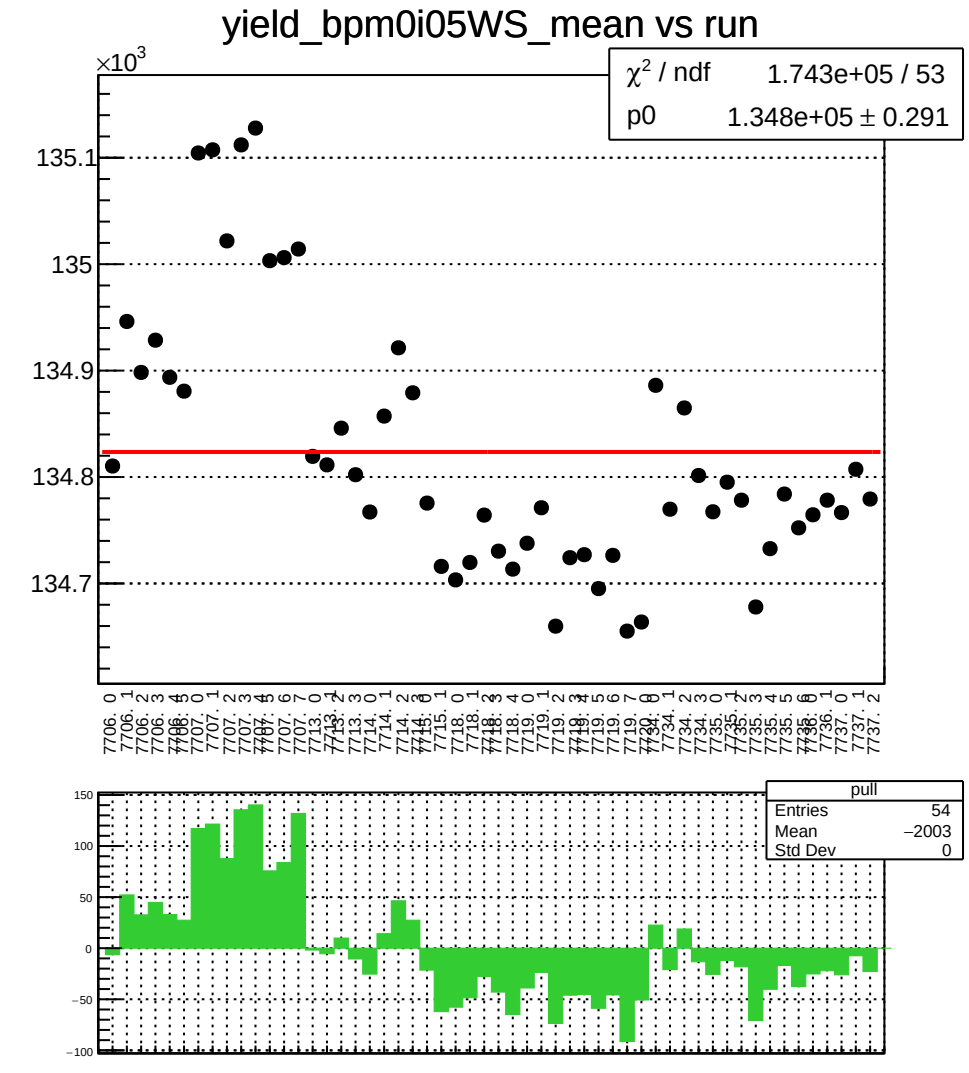

pull1D
Entries 54
Mean −0.05937
Std Dev 3.929
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

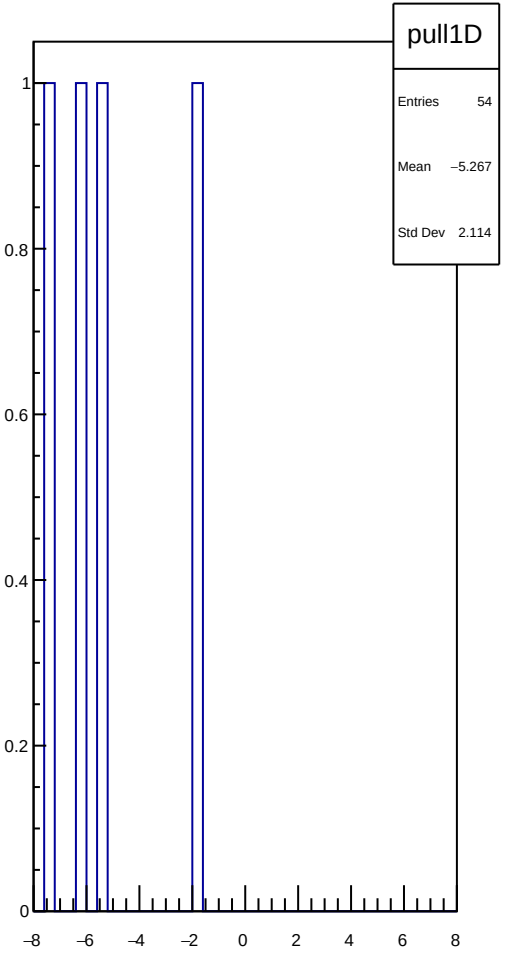

yield_bpm0i02WS_rms vs run
χ^2 / ndf 8668 / 53
p0 260.4 ± 0.2538
440
420
400
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

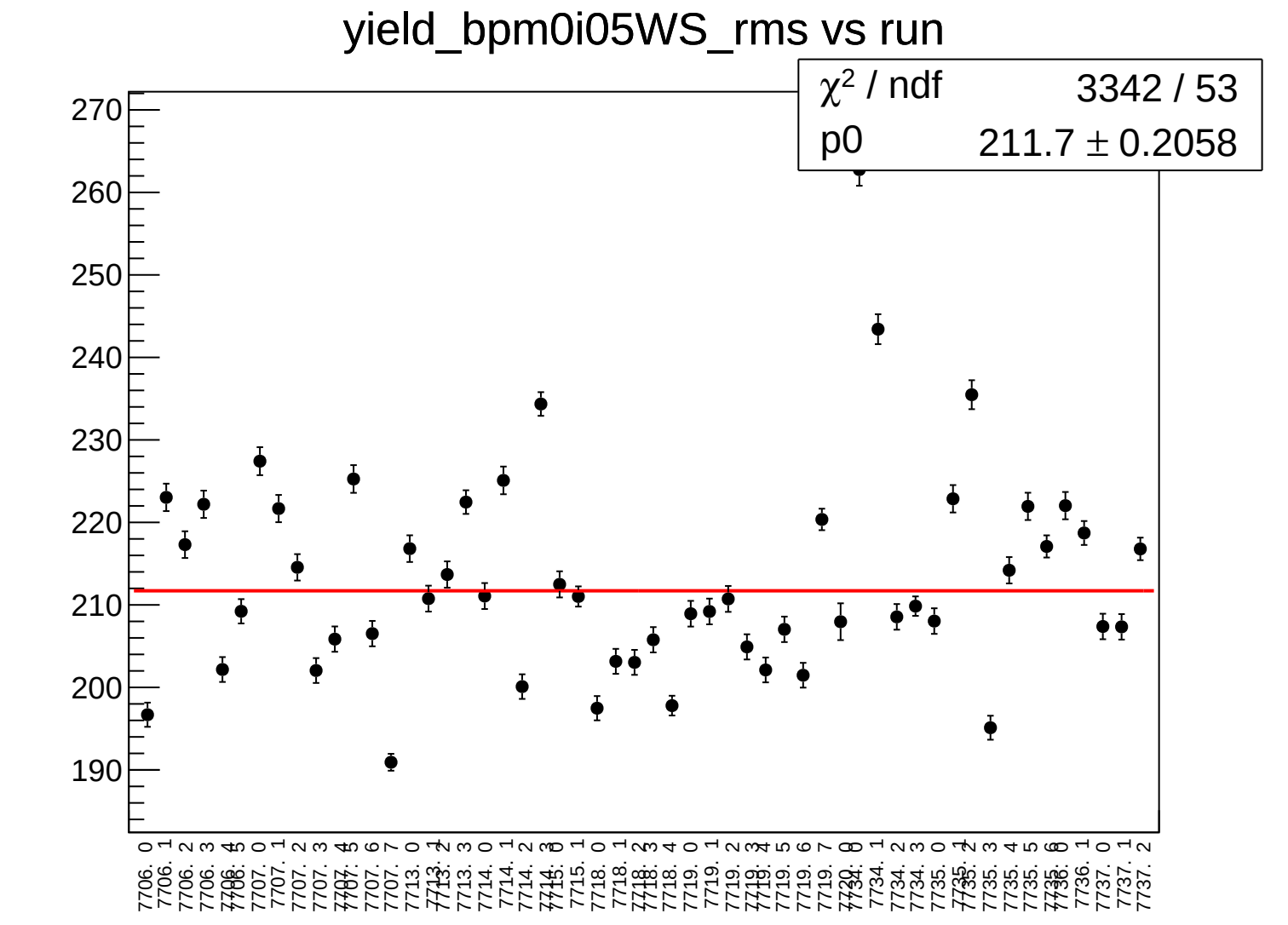

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.191e+05 / 53
p0 1.459e+05 ± 0.3413
146.2
146.1
146
145.9
145.8
145.7
145.6
pull
Entries 54
Mean 601.7
Std Dev 0
100
50
0
−50
−100
−150

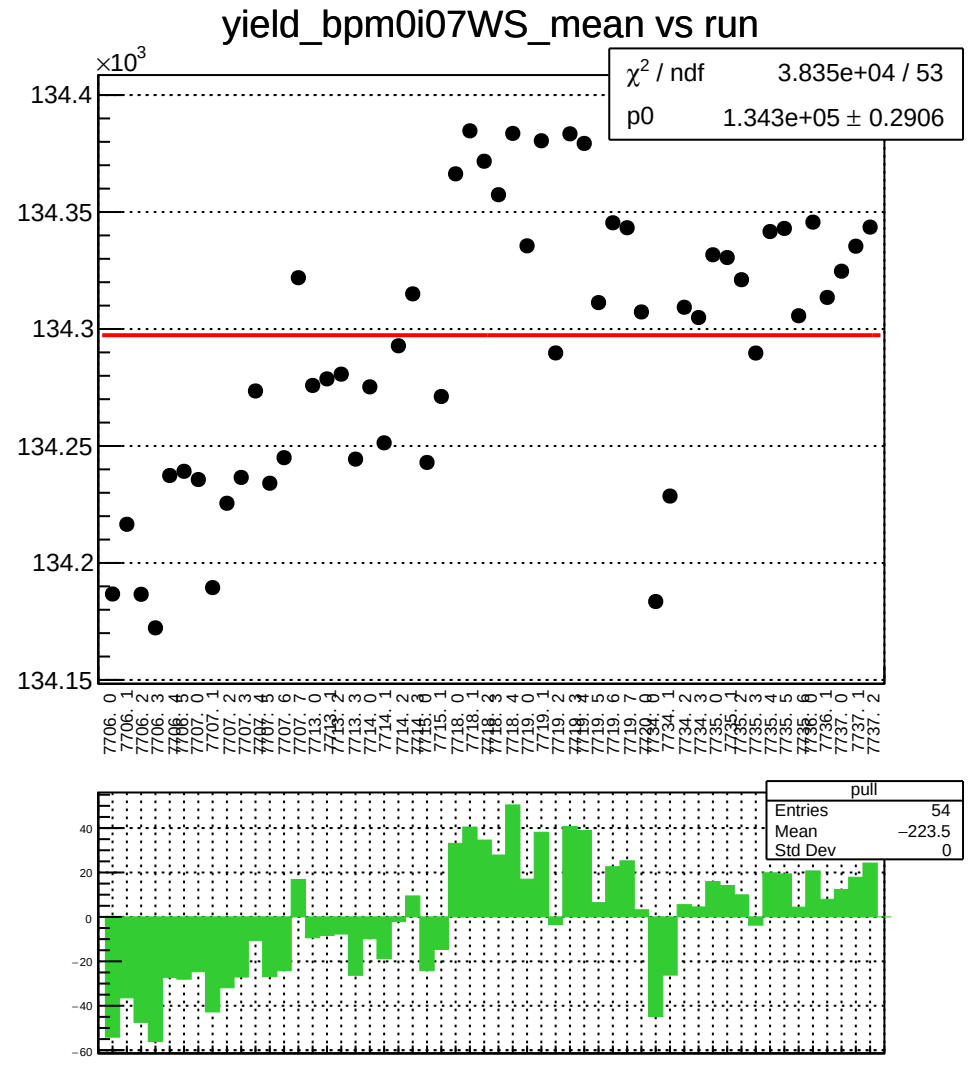

pull1D
Entries 54
Mean 5.173
Std Dev 0.5509
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

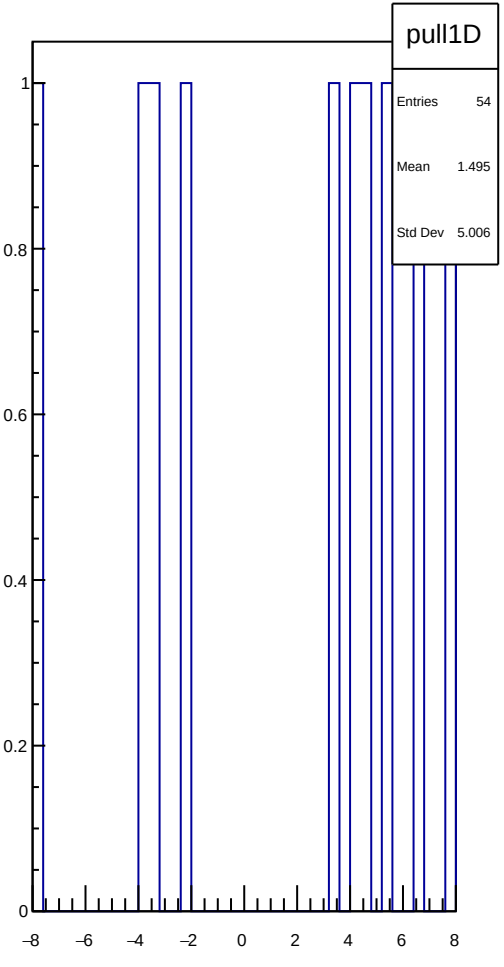

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.3e+04 / 53
p0 247.2 ± 0.2413
500
450
400
350
300
250
200

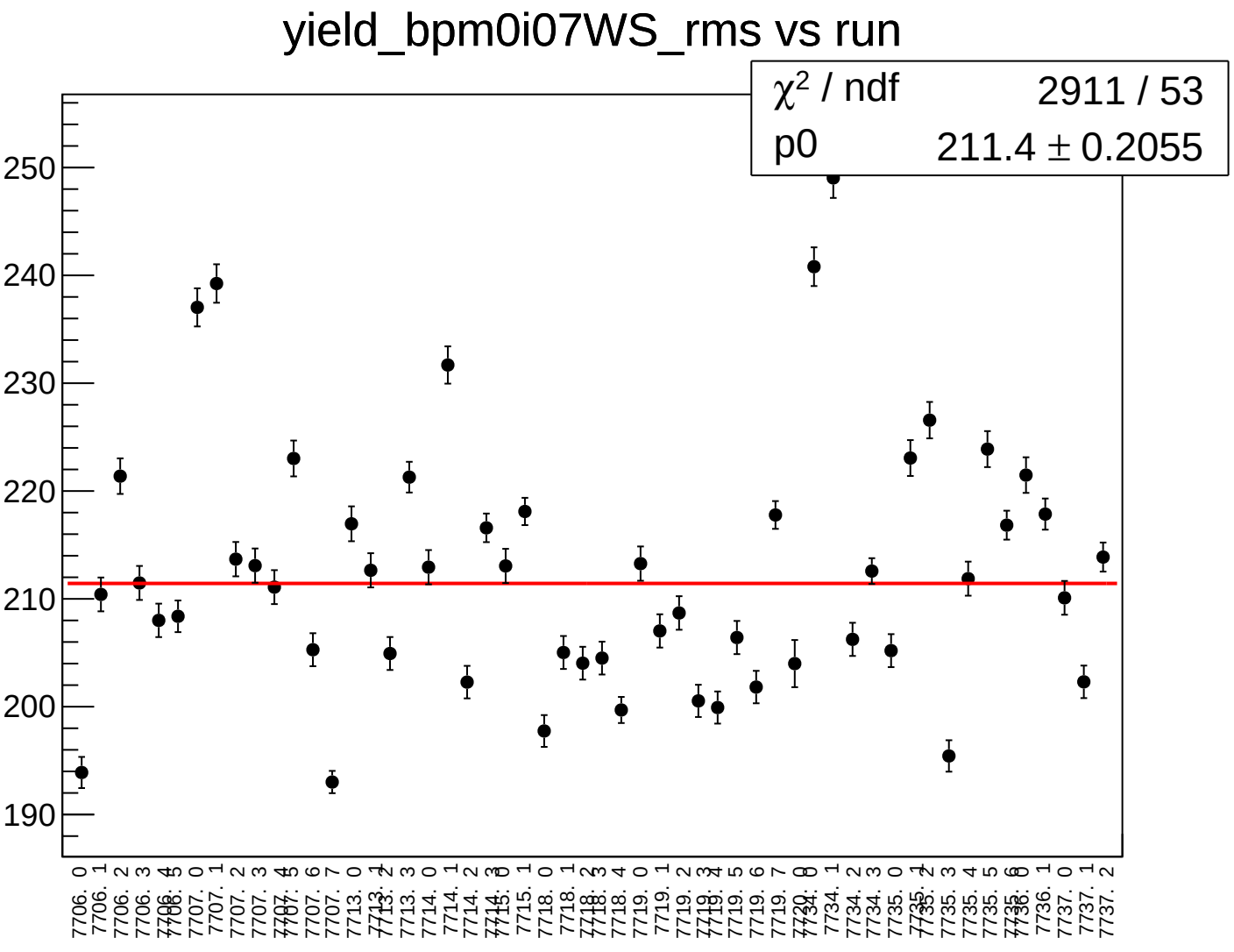

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.743e+05 / 53
p0 1.348e+05 ± 0.291
135.1
135
134.9
134.8
134.7
pull
Entries 54
Mean −2003
Std Dev 0
150
100
50
0
−50
−100

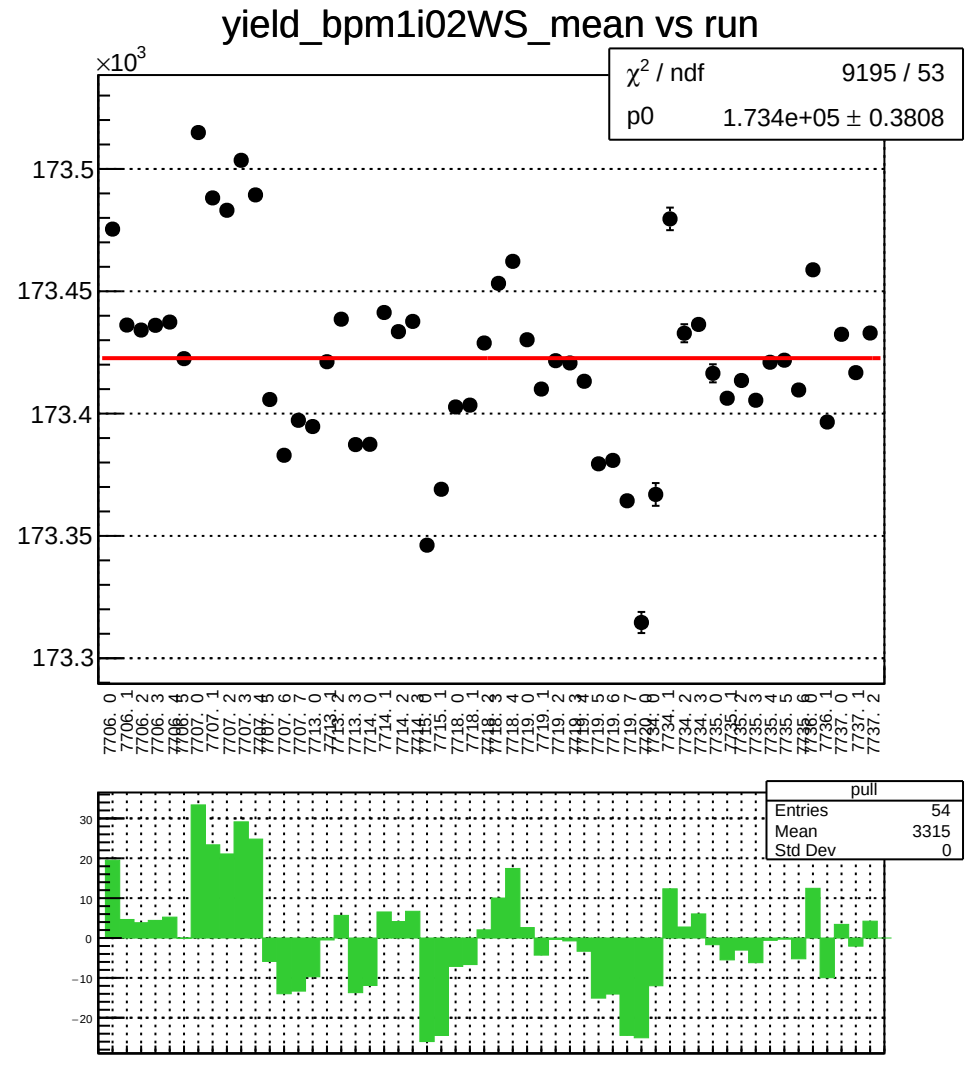

pull1D
Entries 54
Mean −5.267
Std Dev 2.114
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

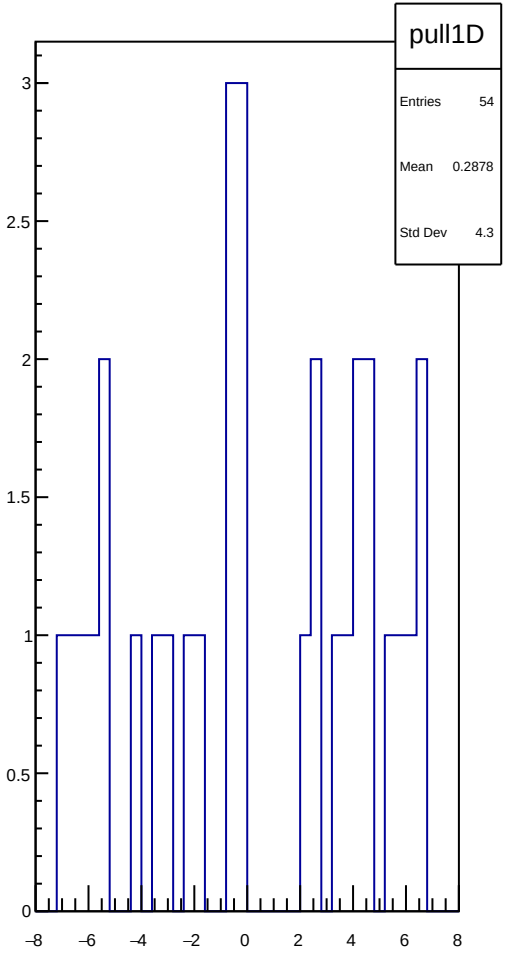

yield_bpm0i05WS_rms vs run
χ² / ndf 3342 / 53
p0 211.7 ± 0.2058
270
260
250
240
230
220
210
200
190

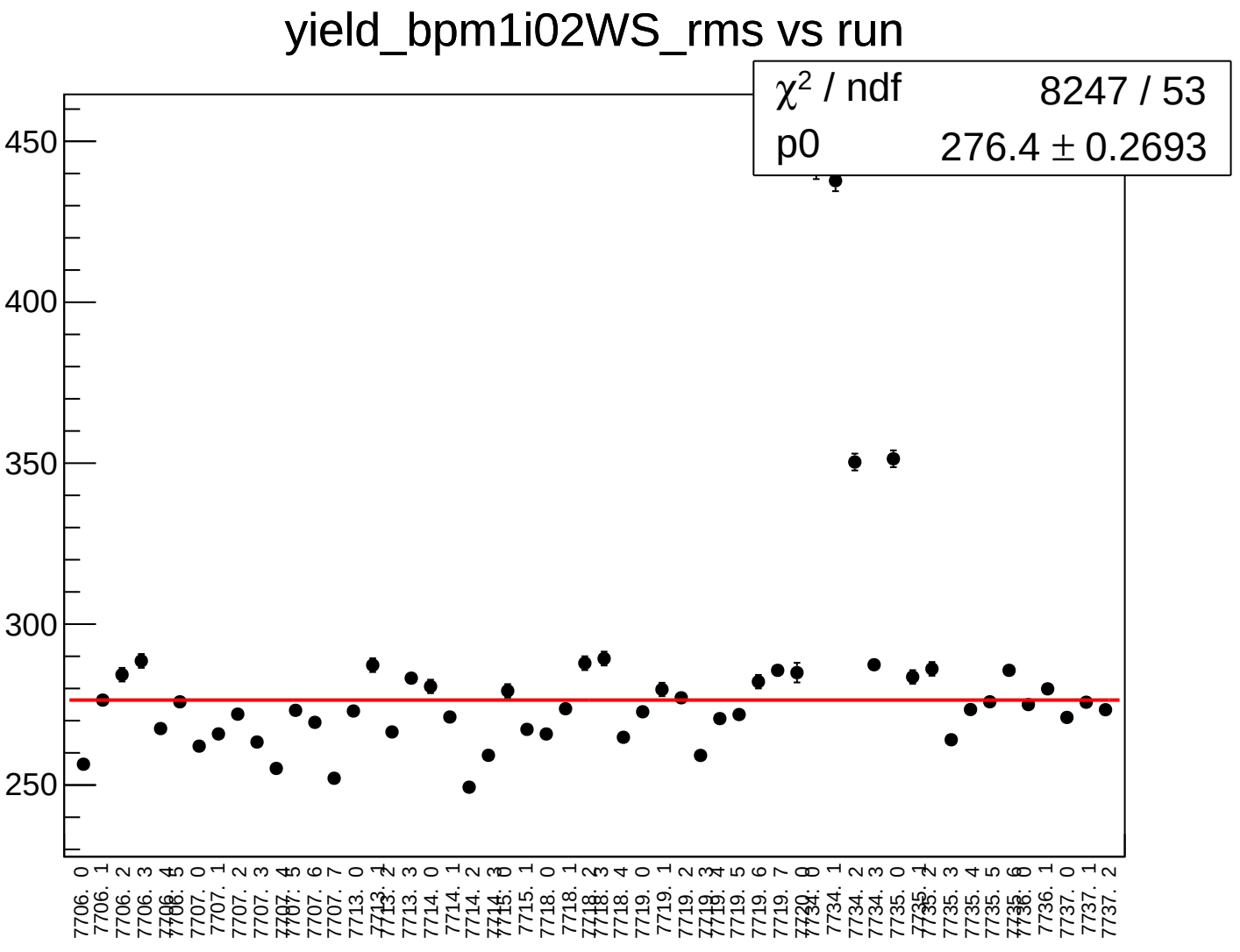

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.835e+04 / 53
p0 1.343e+05 ± 0.2906
134.4
134.35
134.3
134.25
134.2
134.15
pull
Entries 54
Mean −223.5
Std Dev 0
40
20
0
−20
−40
−60

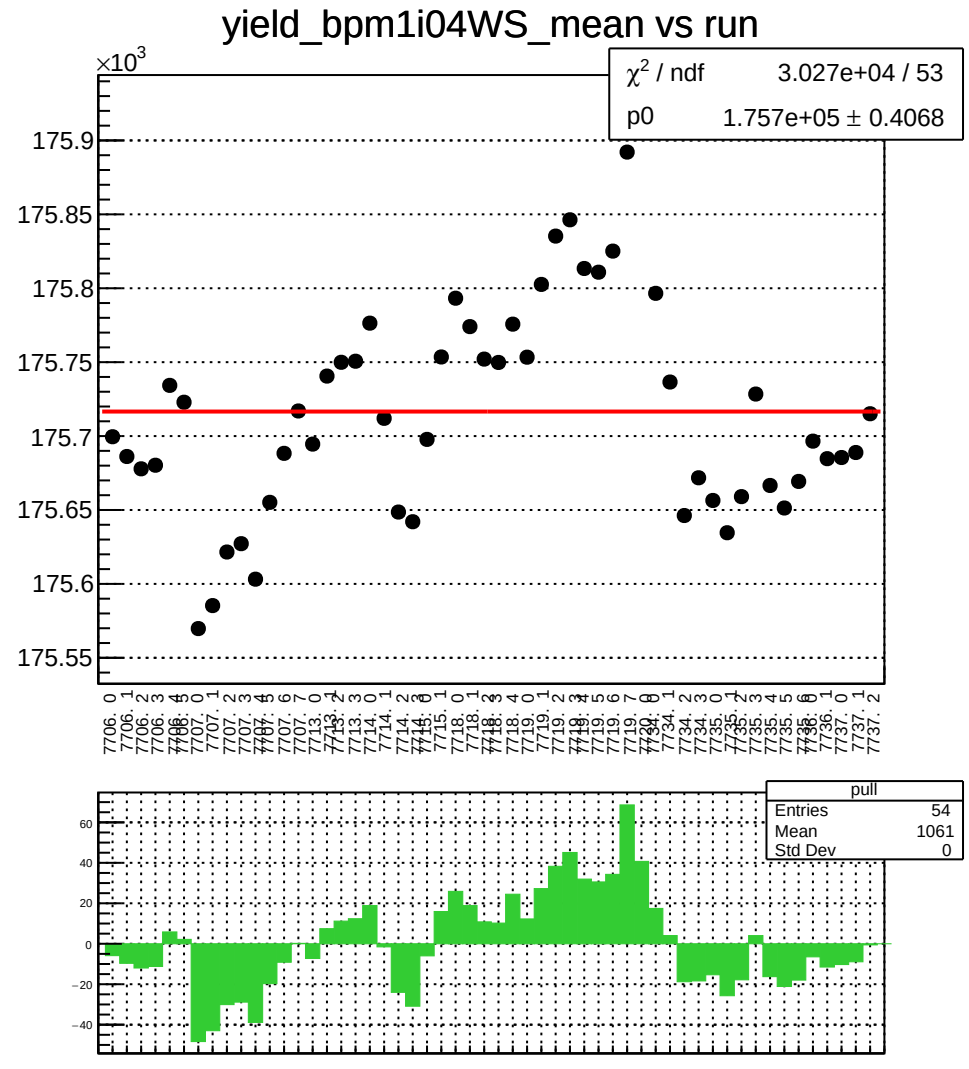

pull1D
Entries 54
Mean 1.495
Std Dev 5.006
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

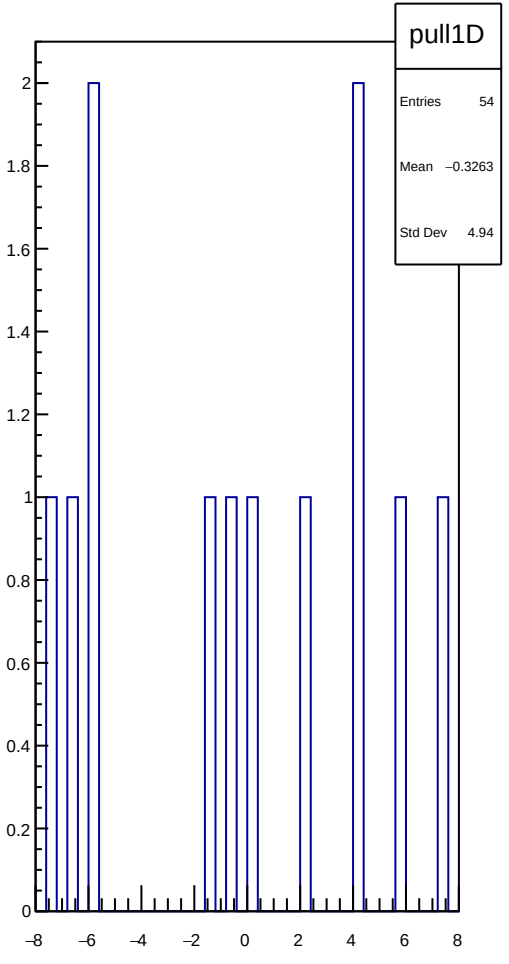

yield_bpm0i07WS_rms vs run
χ² / ndf 2911 / 53
p0 211.4 ± 0.2055
250
240
230
220
210
200
190

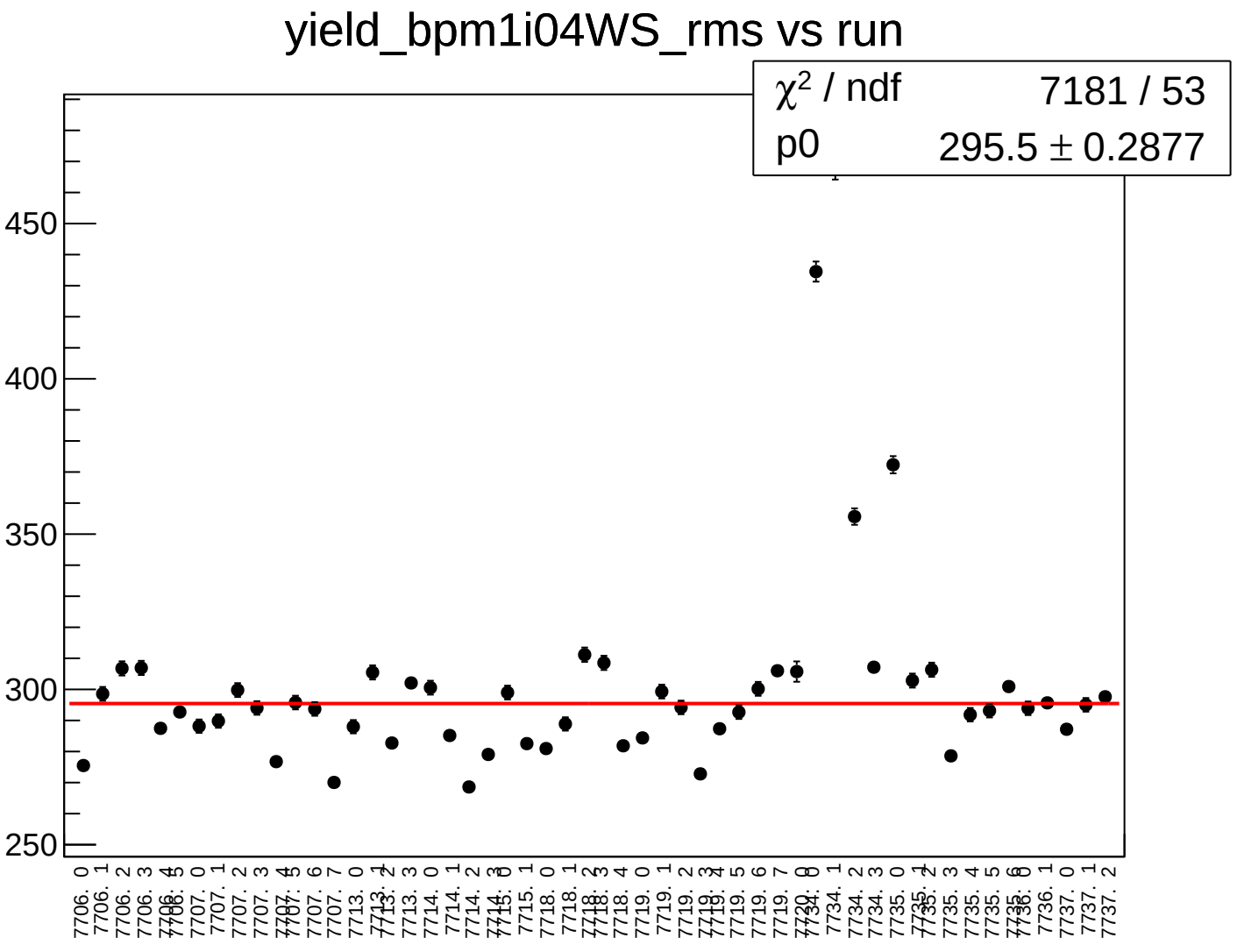

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 9195 / 53
p0 1.734e+05 ± 0.3808
173.5
173.45
173.4
173.35
173.3
pull
Entries 54
Mean 3315
Std Dev 0
30
20
10
0
−10
−20

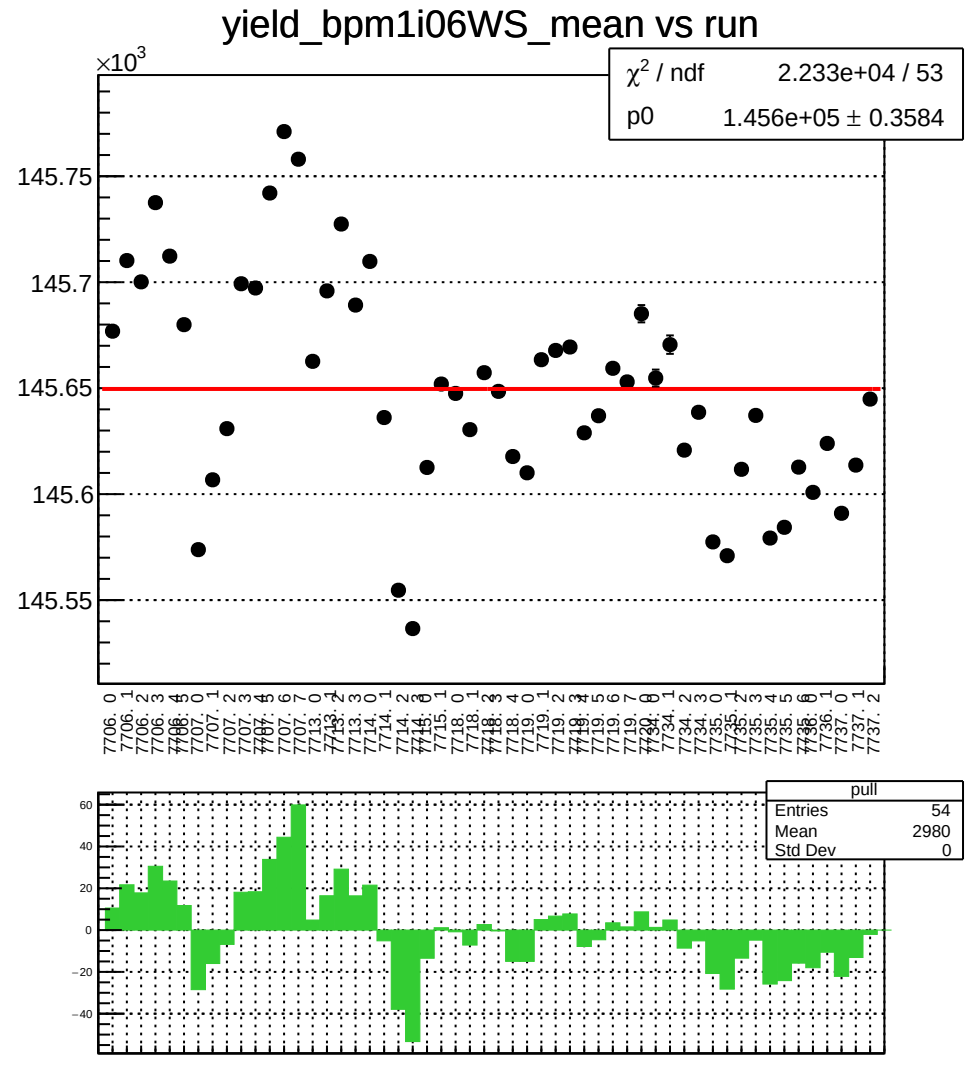

pull1D
Entries 54
Mean 0.2878
Std Dev 4.3
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

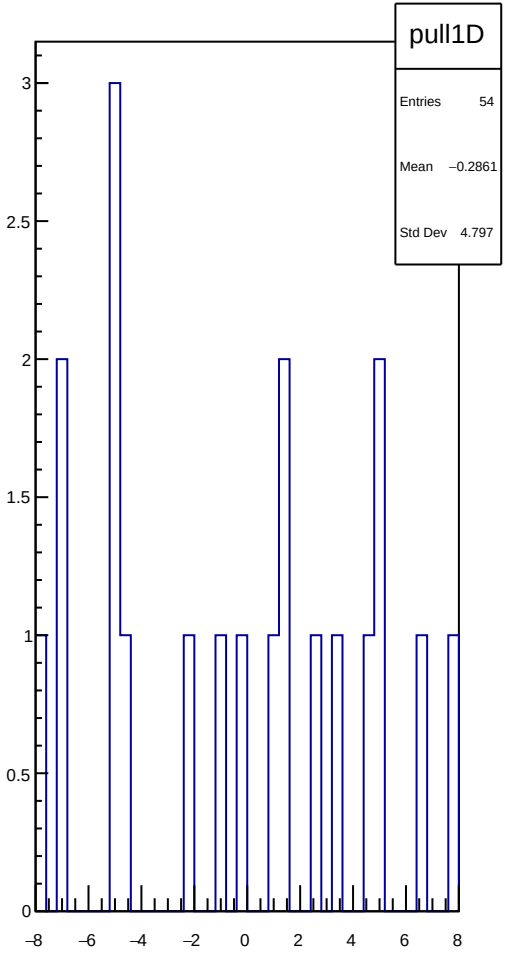

yield_bpm1i02WS_rms vs run
χ² / ndf 8247 / 53
p0 276.4 ± 0.2693
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

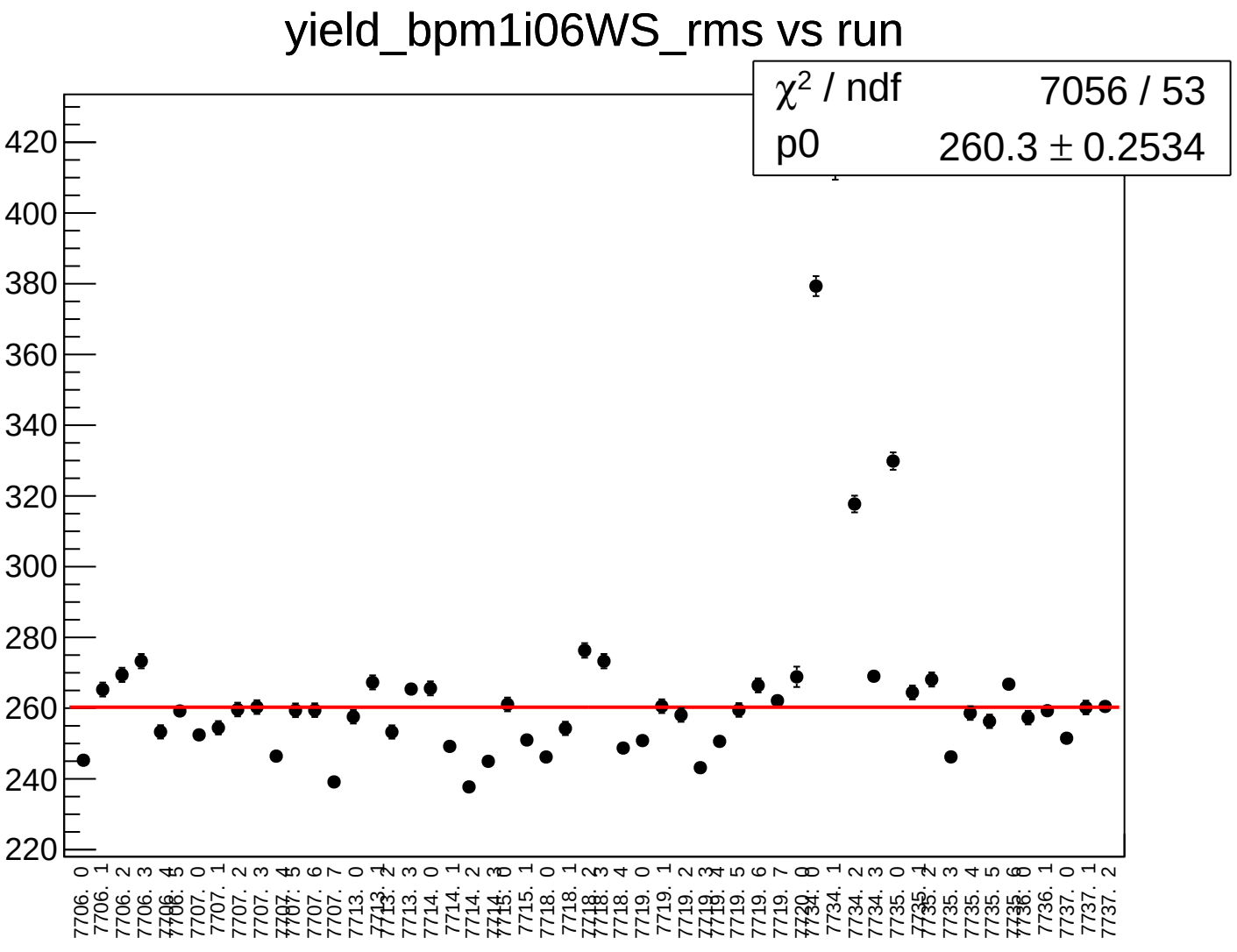

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 3.027e+04 / 53
p0 1.757e+05 ± 0.4068
175.9
175.85
175.8
175.75
175.7
175.65
175.6
175.55
pull
Entries 54
Mean 1061
Std Dev 0
60
40
20
0
−20
−40

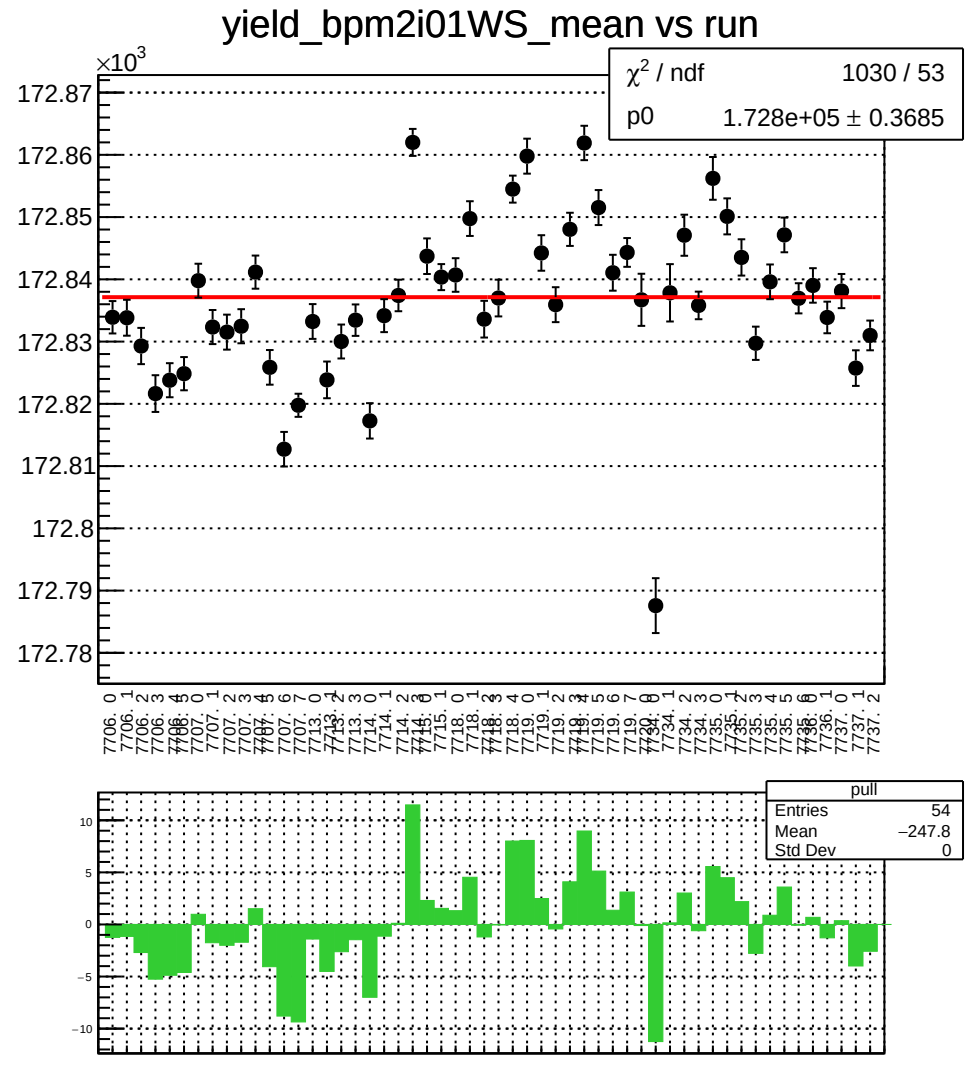

pull1D
Entries 54
Mean −0.3263
Std Dev 4.94
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

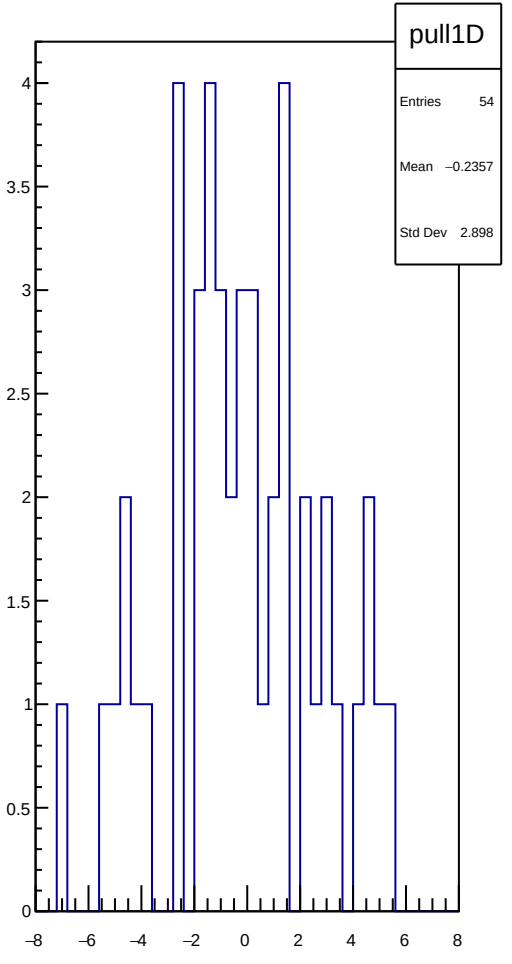

yield_bpm1i04WS_rms vs run
χ² / ndf 7181 / 53
p0 295.5 ± 0.2877
450
400
350
300
250

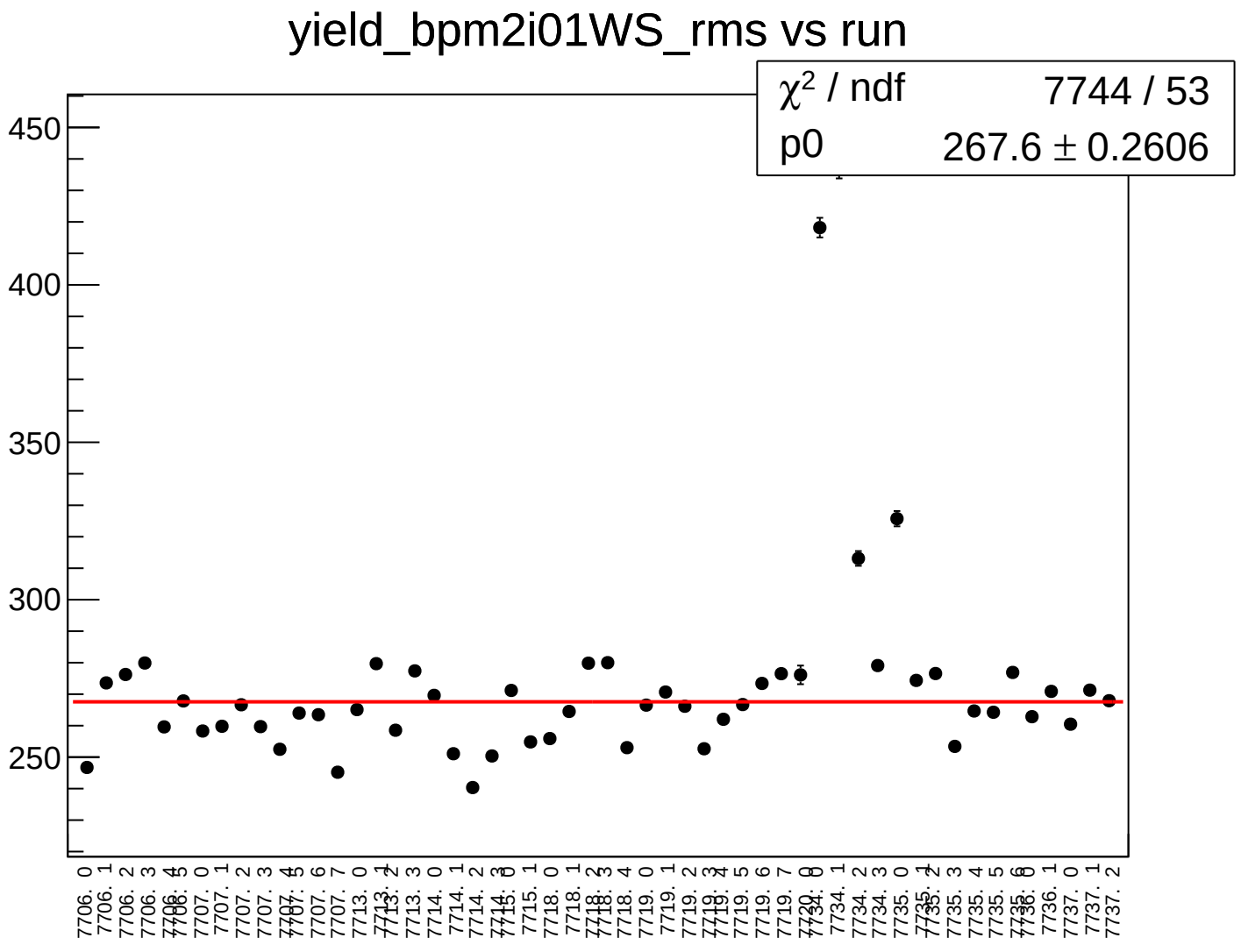

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.233e+04 / 53
p0 1.456e+05 ± 0.3584
145.75
145.7
145.65
145.6
145.55
pull
Entries 54
Mean 2980
Std Dev 0
60
40
20
0
−20
−40

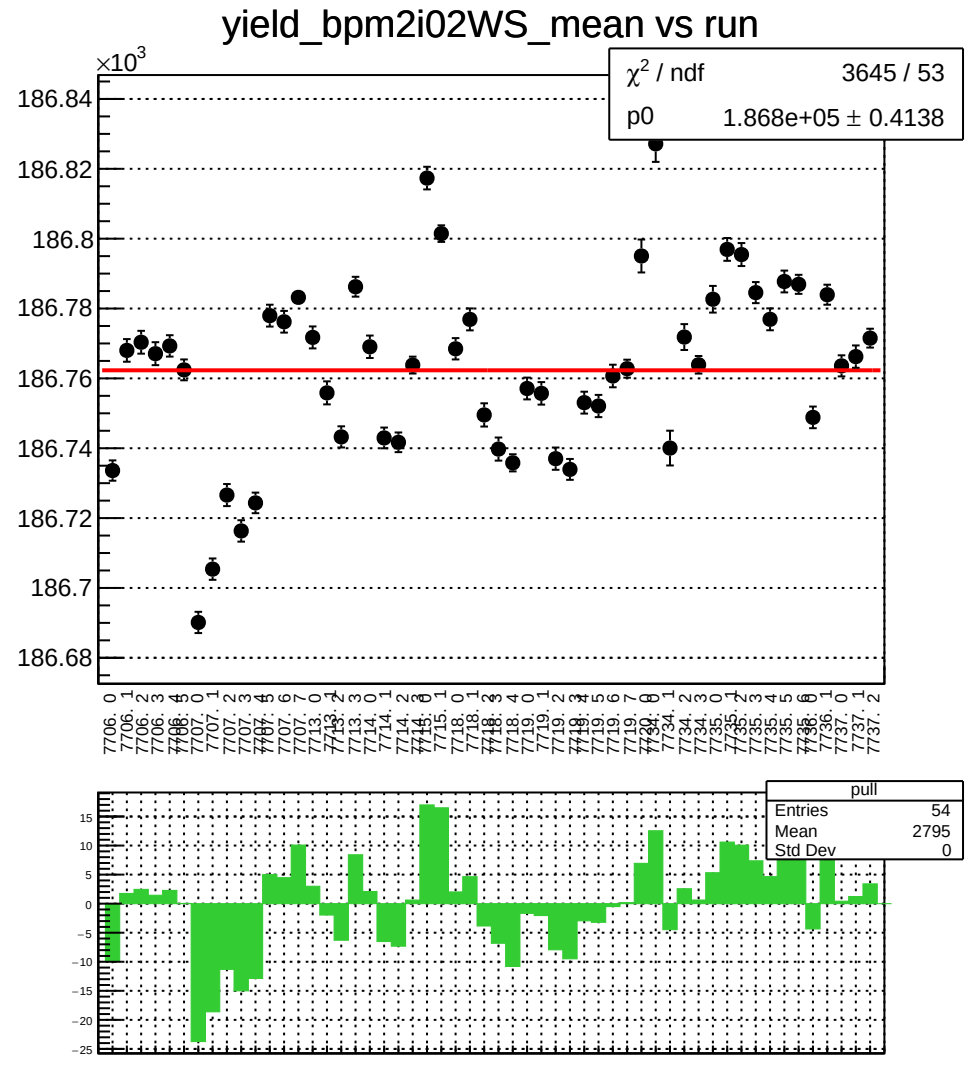

pull1D
Entries 54
Mean −0.2861
Std Dev 4.797
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

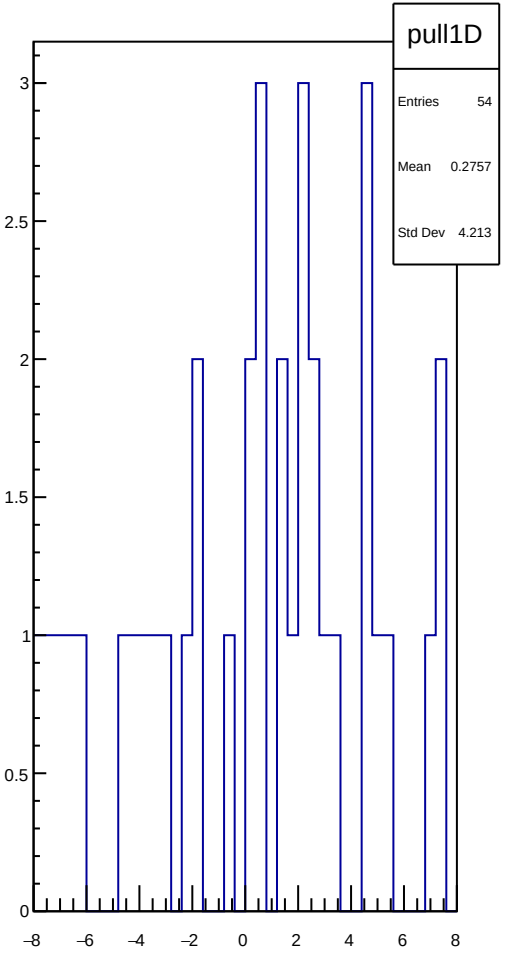

yield_bpm1i06WS_rms vs run
χ² / ndf 7056 / 53
p0 260.3 ± 0.2534
420
400
380
360
340
320
300
280
260
240
220

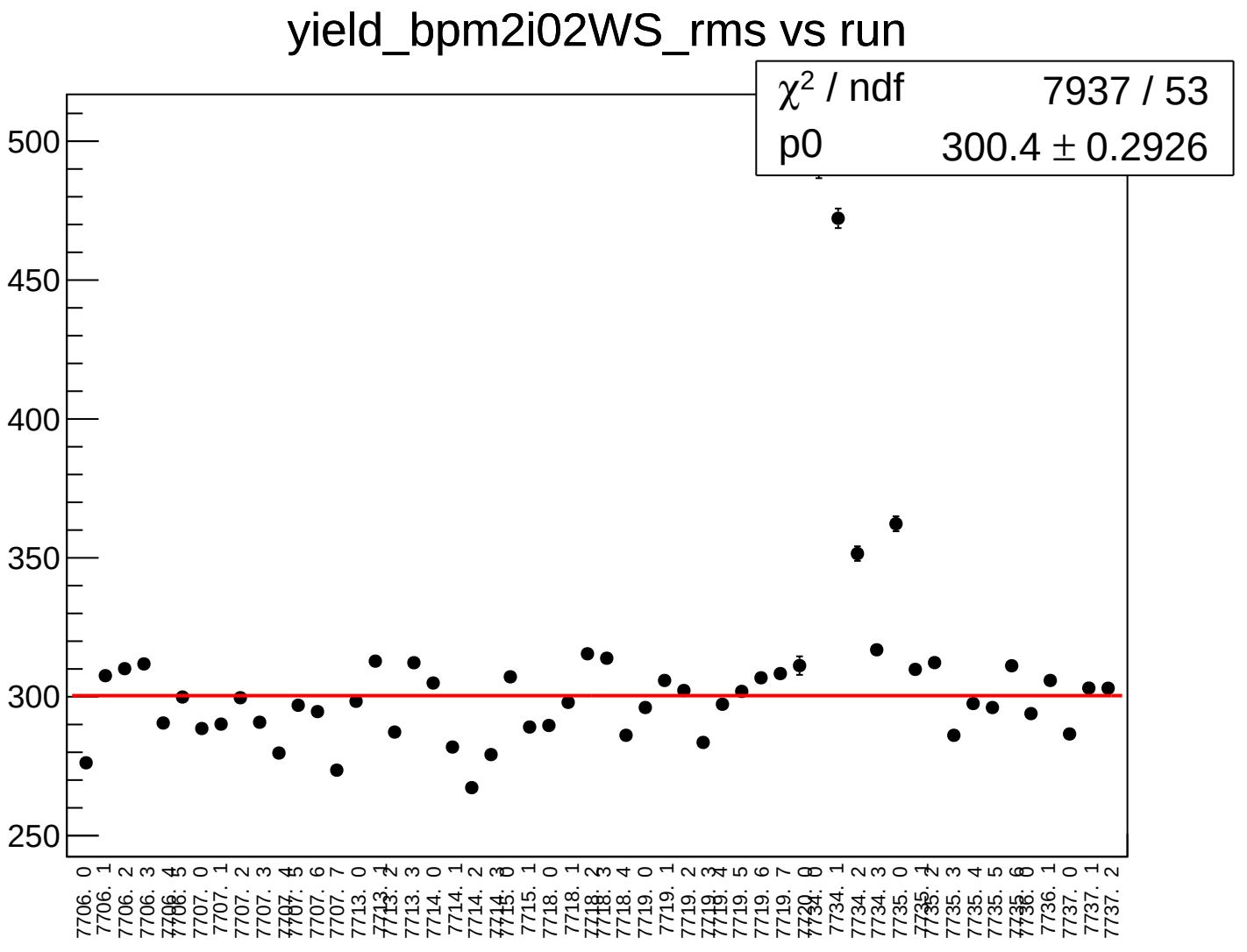

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1030 / 53
p0 1.728e+05 ± 0.3685
172.87
172.86
172.85
172.84
172.83
172.82
172.81
172.8
172.79
172.78
pull
Entries 54
Mean −247.8
Std Dev 0
10
5
0
−5
−10

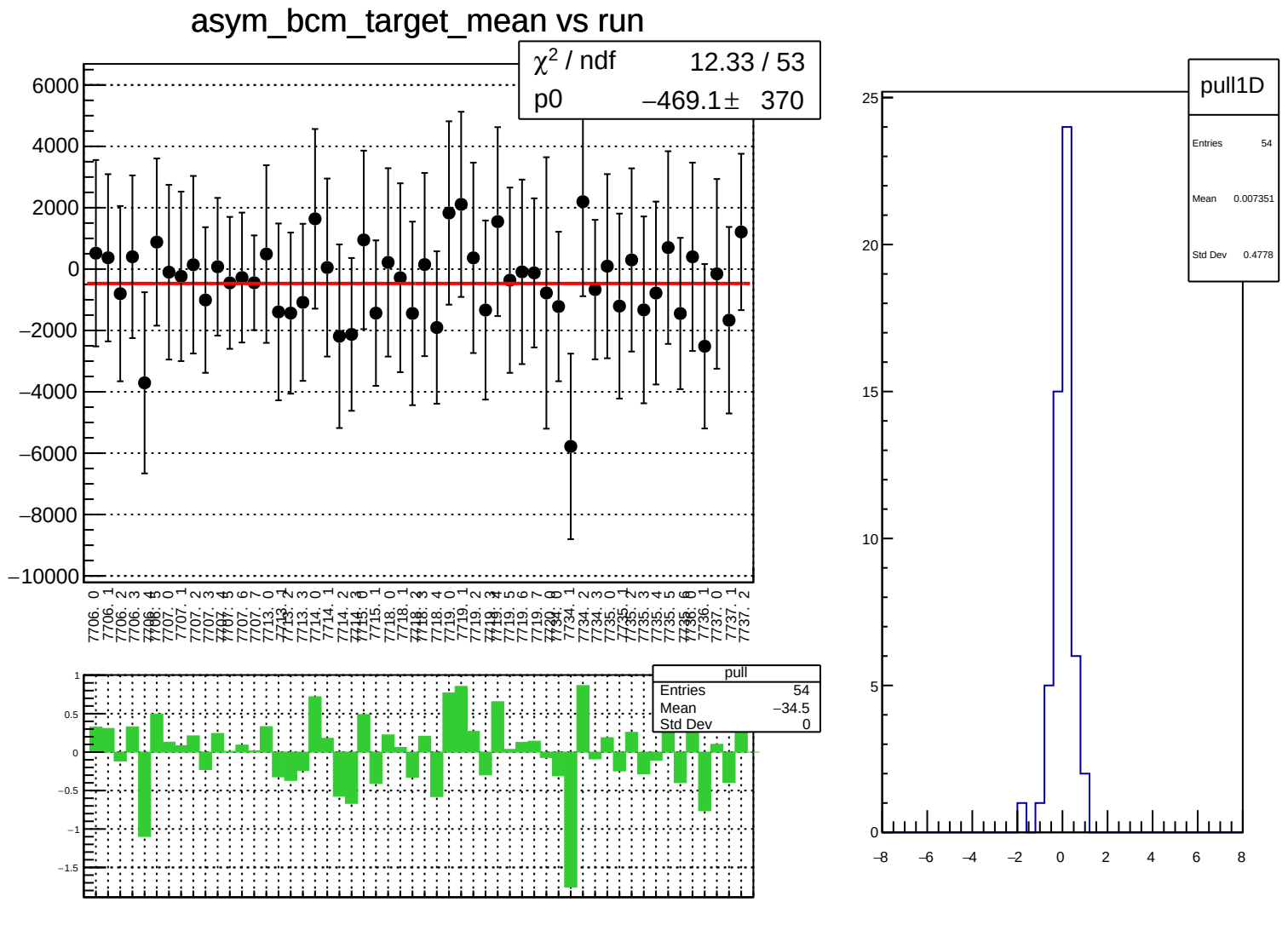

pull1D
Entries 54
Mean −0.2357
Std Dev 2.898
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

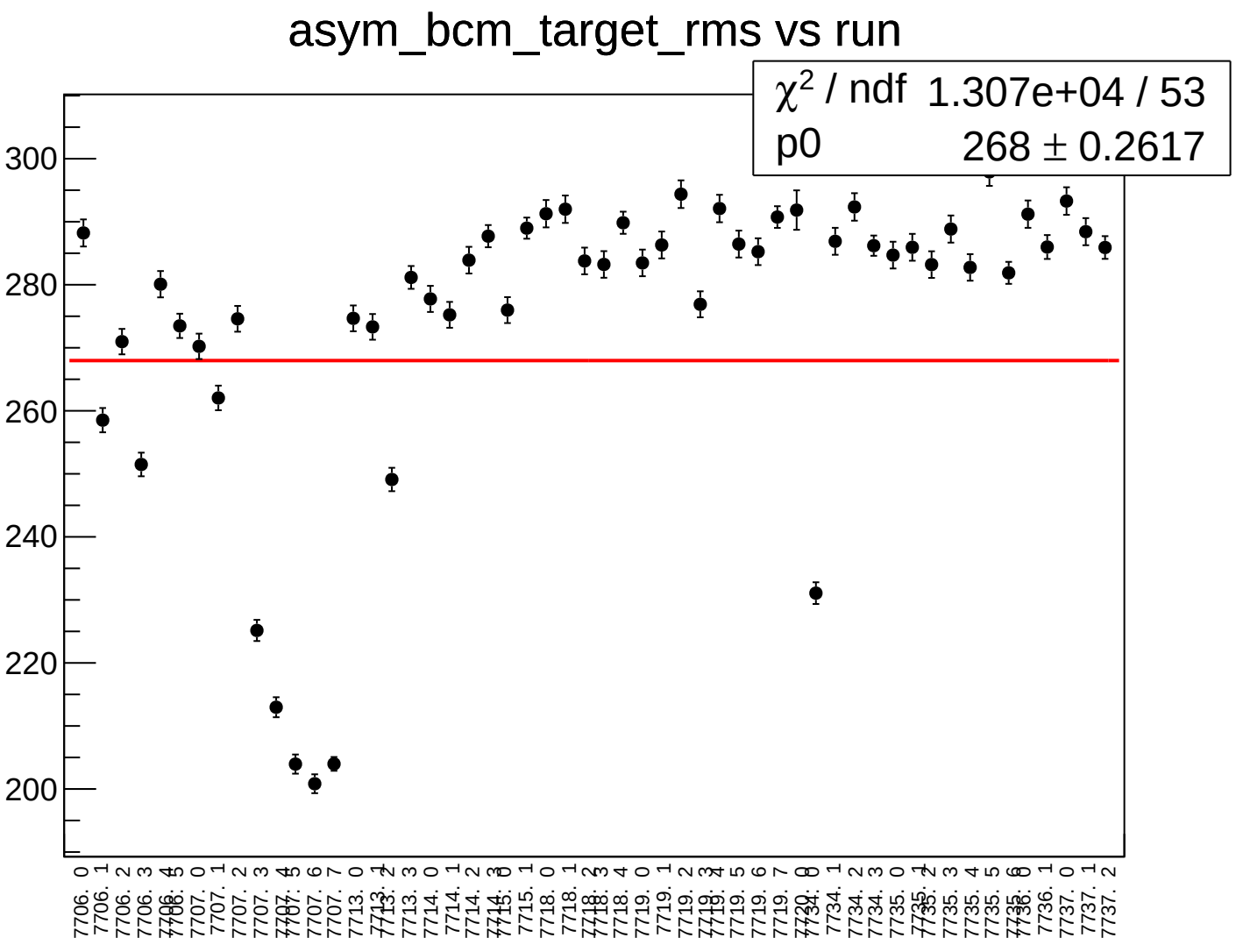

yield_bpm2i01WS_rms vs run
χ^2 / ndf 7744 / 53
p0 267.6 ± 0.2606
450
400
350
300
250

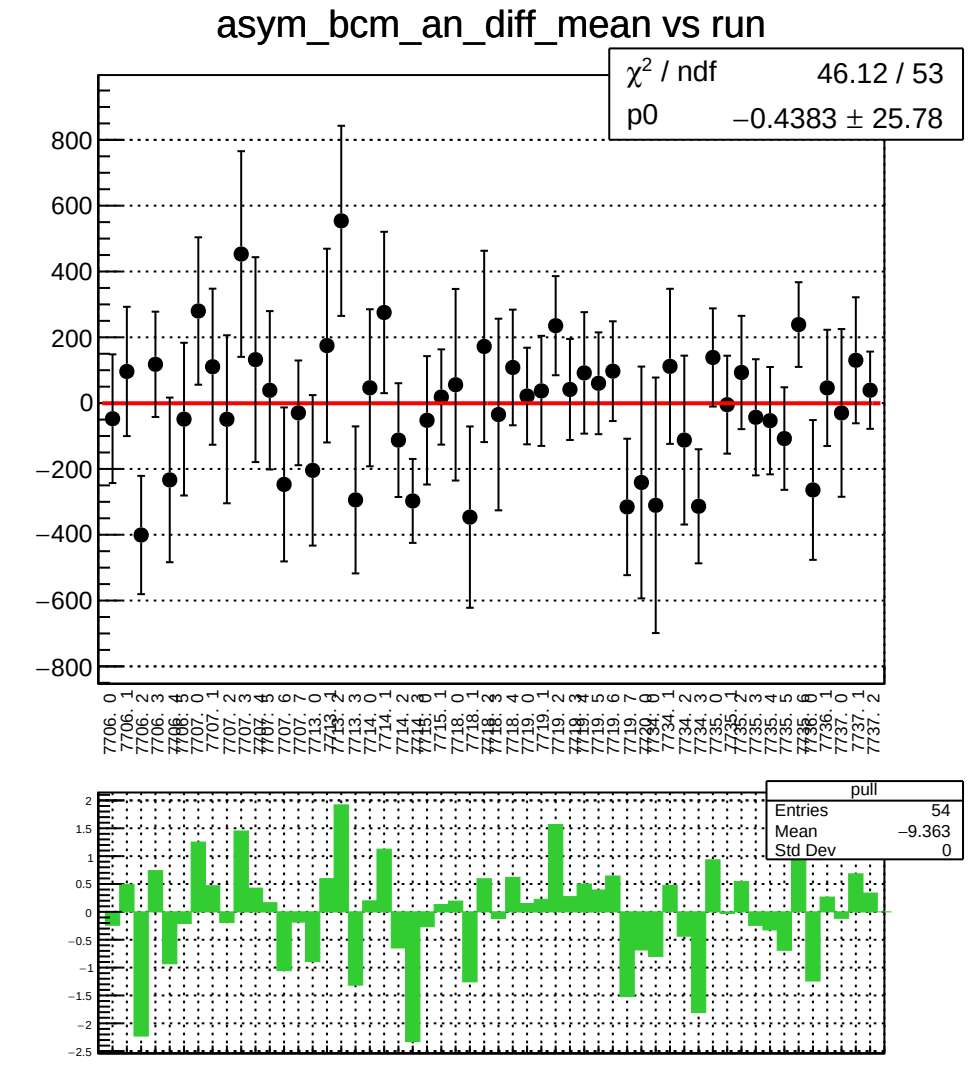

yield_bpm2i02WS_mean vs run
×10^3
186.84
186.82
186.8
186.78
186.76
186.74
186.72
186.7
186.68
χ² / ndf 3645 / 53
p0 1.868e+05 ± 0.4138
pull
Entries 54
Mean 2795
Std Dev 0
15
10
5
0
−5
−10
−15
−20
−25

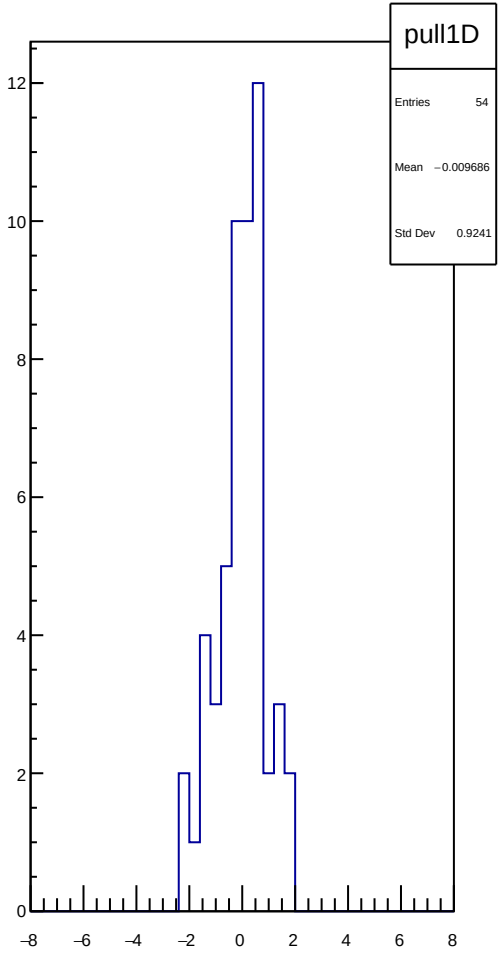

pull1D
Entries 54
Mean 0.2757
Std Dev 4.213
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

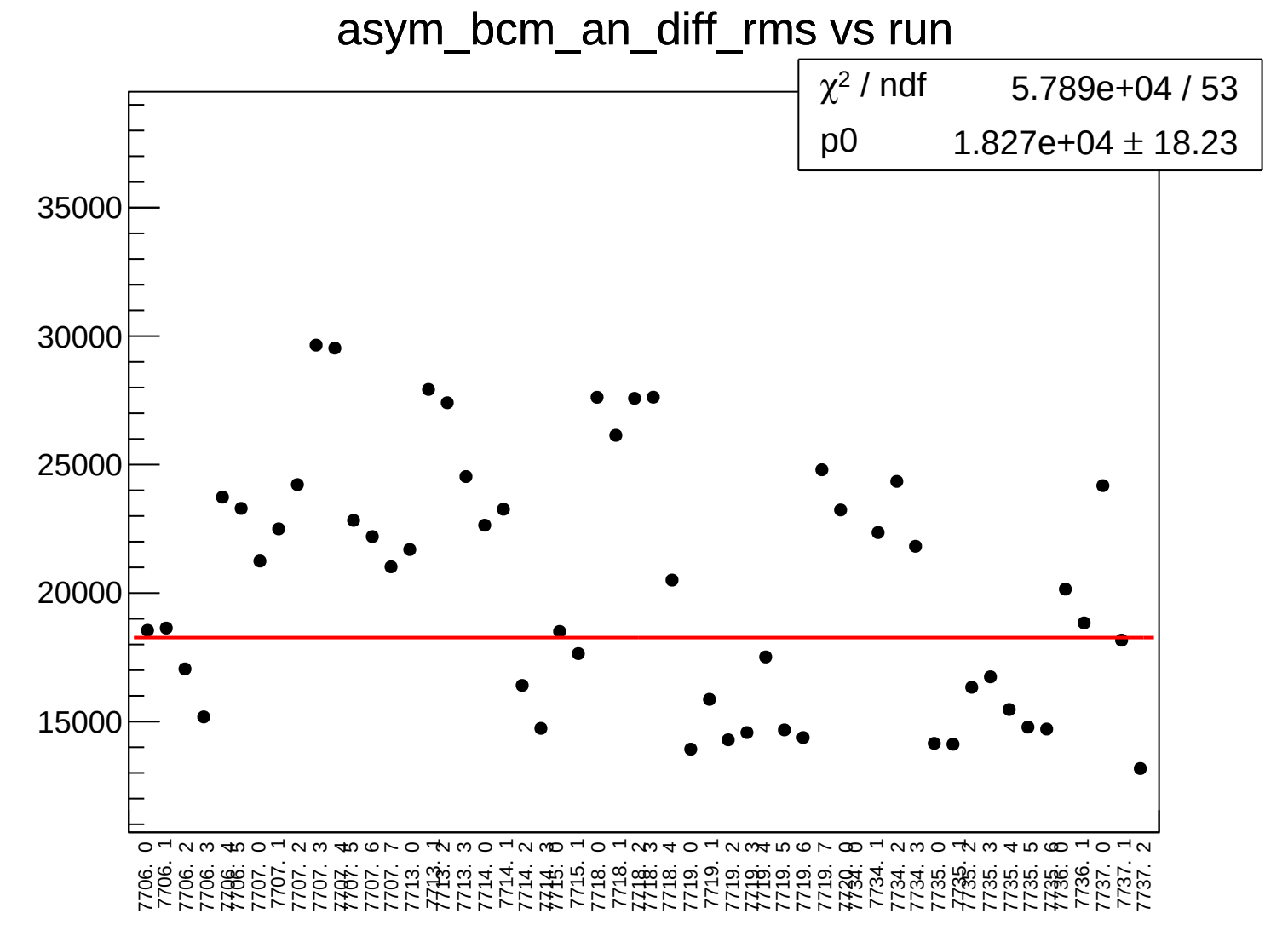

yield_bpm2i02WS_rms vs run
χ² / ndf 7937 / 53
p0 300.4 ± 0.2926
500
450
400
350
300
250

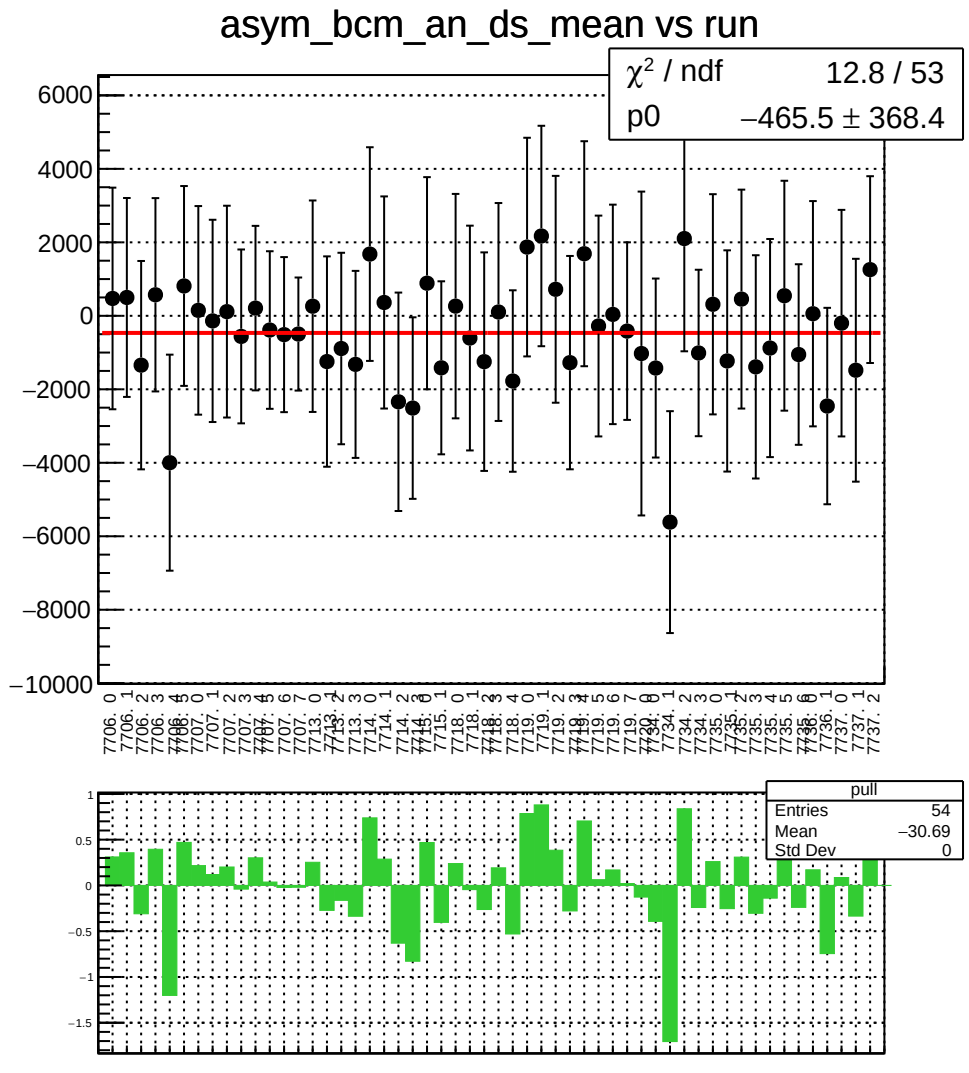

asym_bcm_target_mean vs run
χ² / ndf 12.33 / 53
p0 −469.1± 370
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 54
Mean −34.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.007351
Std Dev 0.4778
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

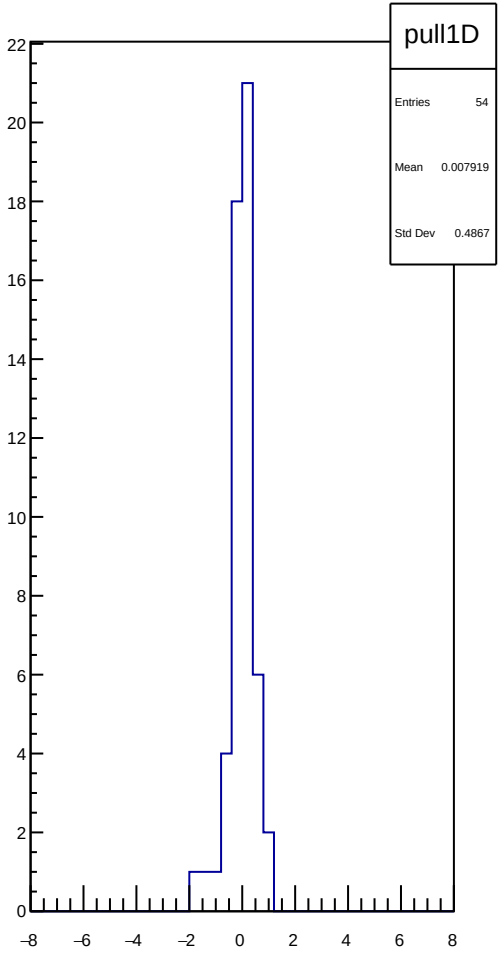

asym_bcm_target_rms vs run
χ² / ndf 1.307e+04 / 53
p0 268 ± 0.2617
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

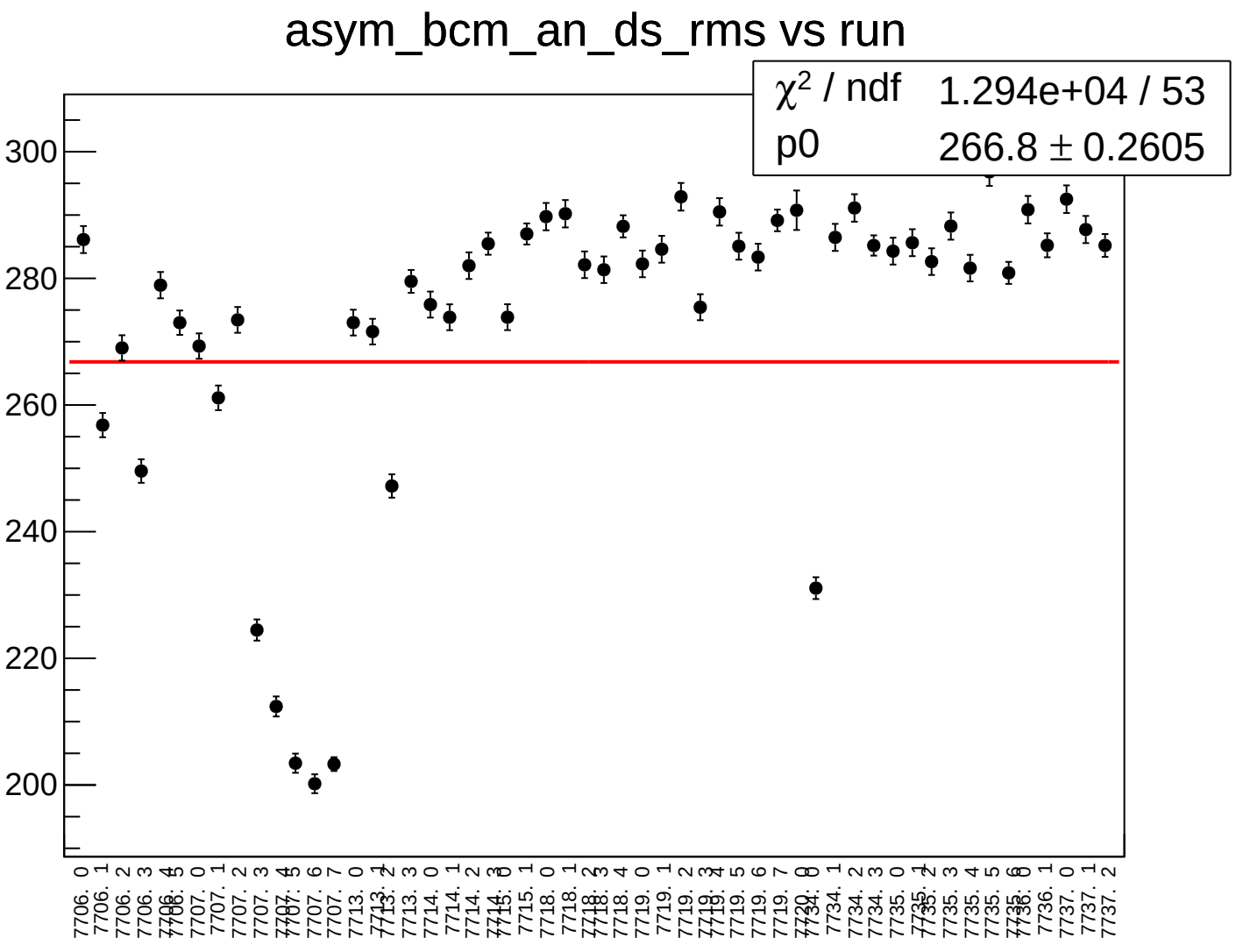

asym_bcm_an_diff_mean vs run
χ² / ndf 46.12 / 53
p0 −0.4383 ± 25.78
pull
Entries 54
Mean −9.363
Std Dev 0

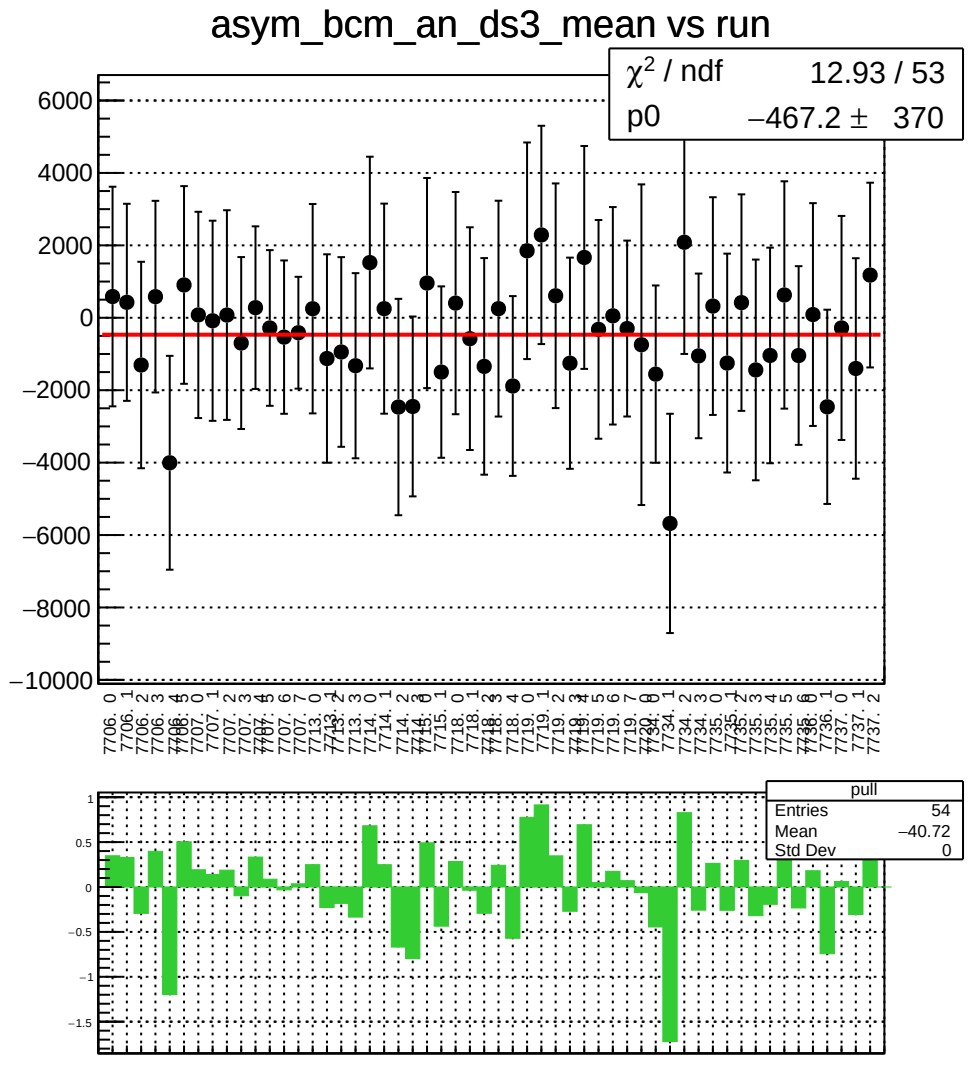

pull1D
Entries 54
Mean −0.009686
Std Dev 0.9241

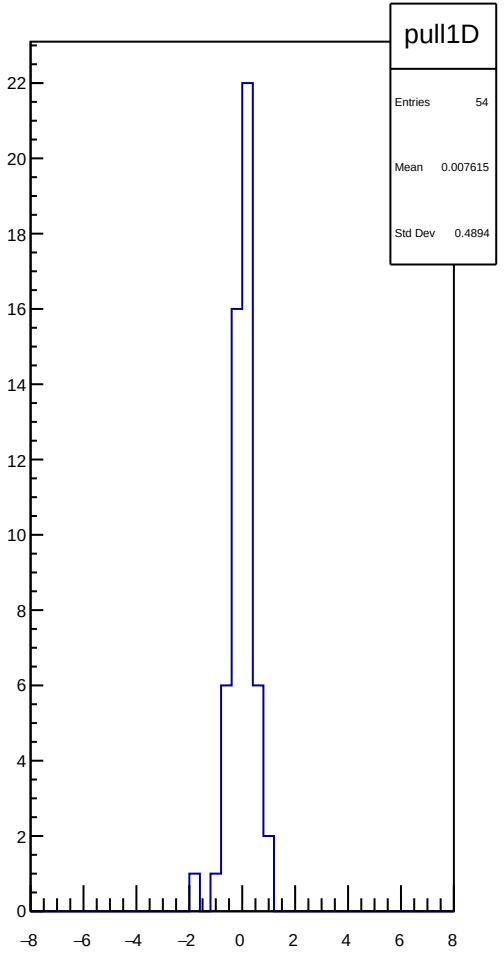

asym_bcm_an_diff_rms vs run
χ² / ndf 5.789e+04 / 53
p0 1.827e+04 ± 18.23
35000
30000
25000
20000
15000

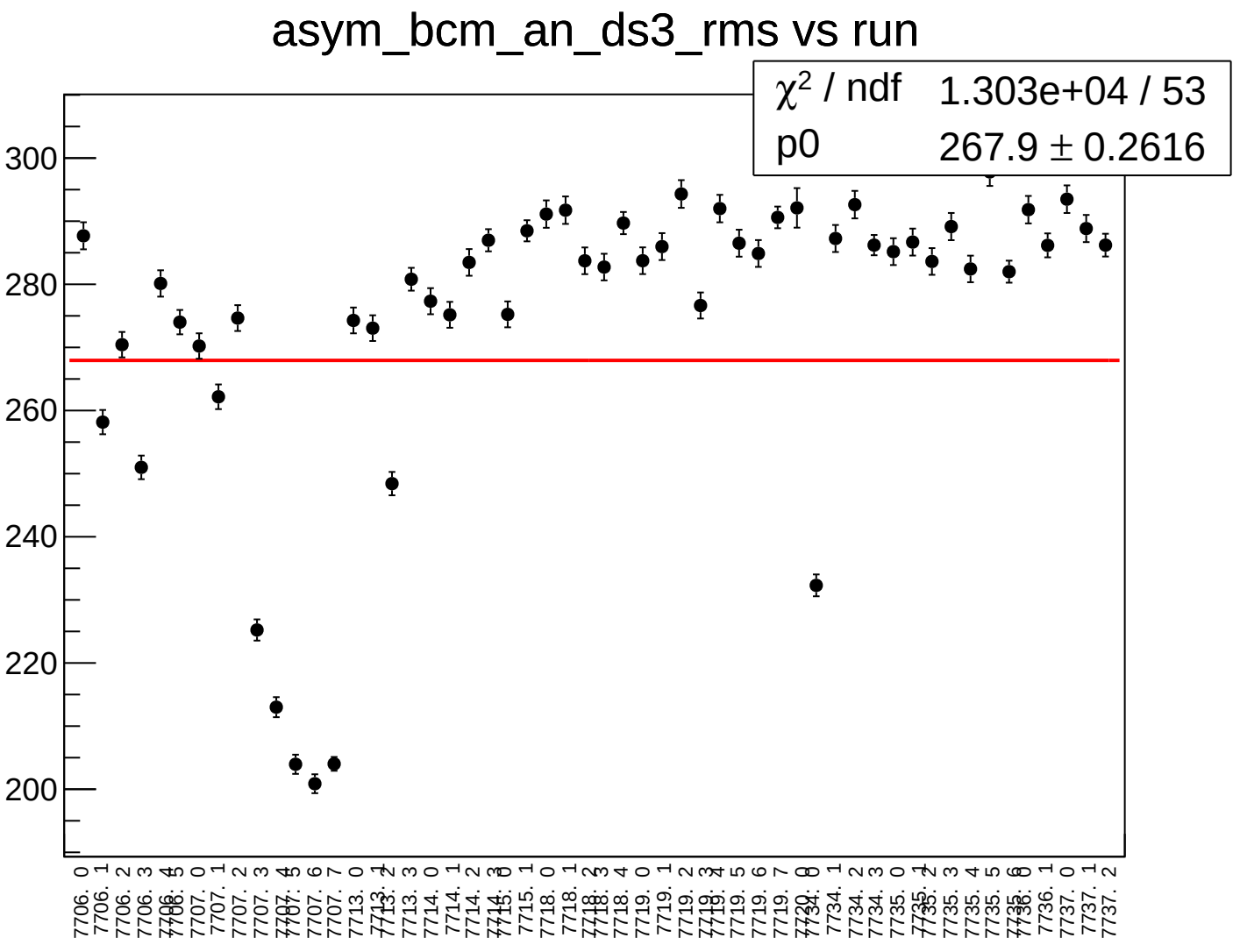

asym_bcm_an_ds_mean vs run
χ² / ndf 12.8 / 53
p0 −465.5 ± 368.4
pull
Entries 54
Mean −30.69
Std Dev 0

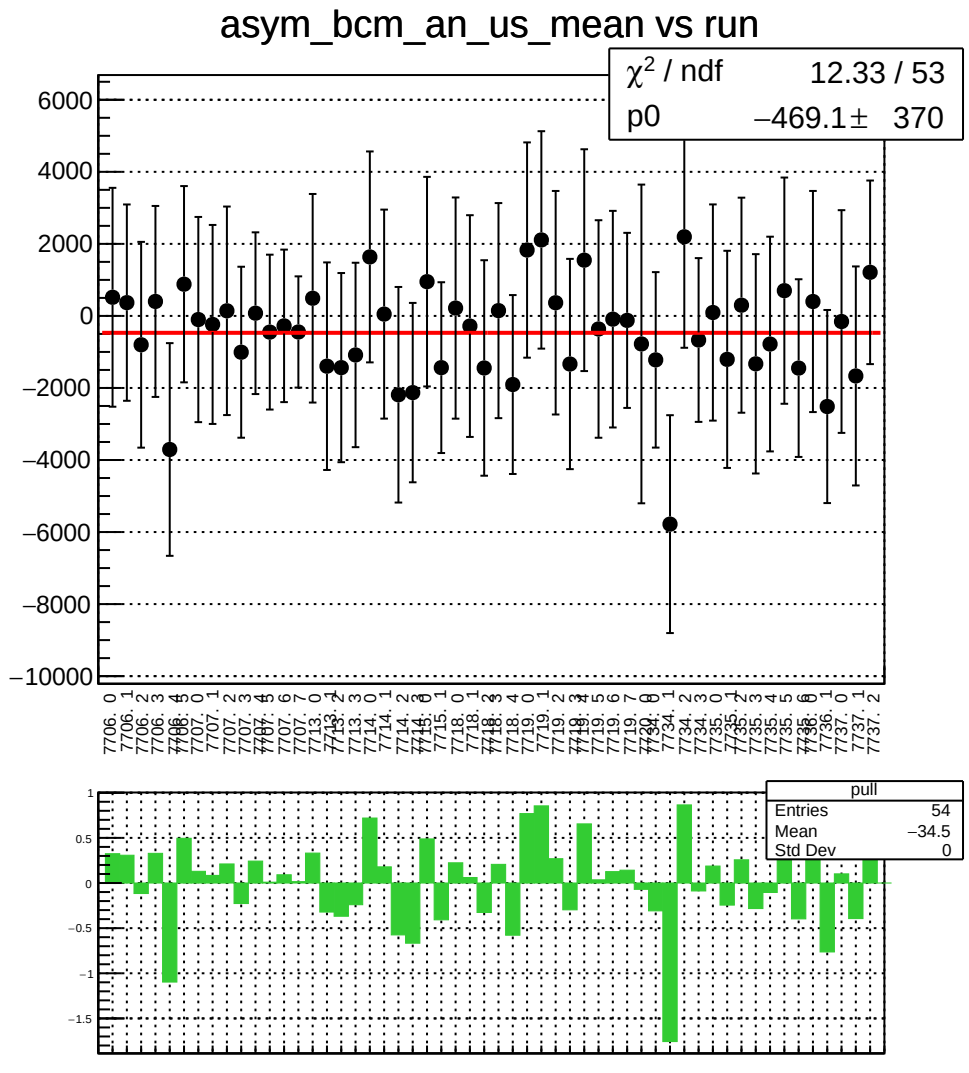

pull1D
Entries 54
Mean 0.007919
Std Dev 0.4867

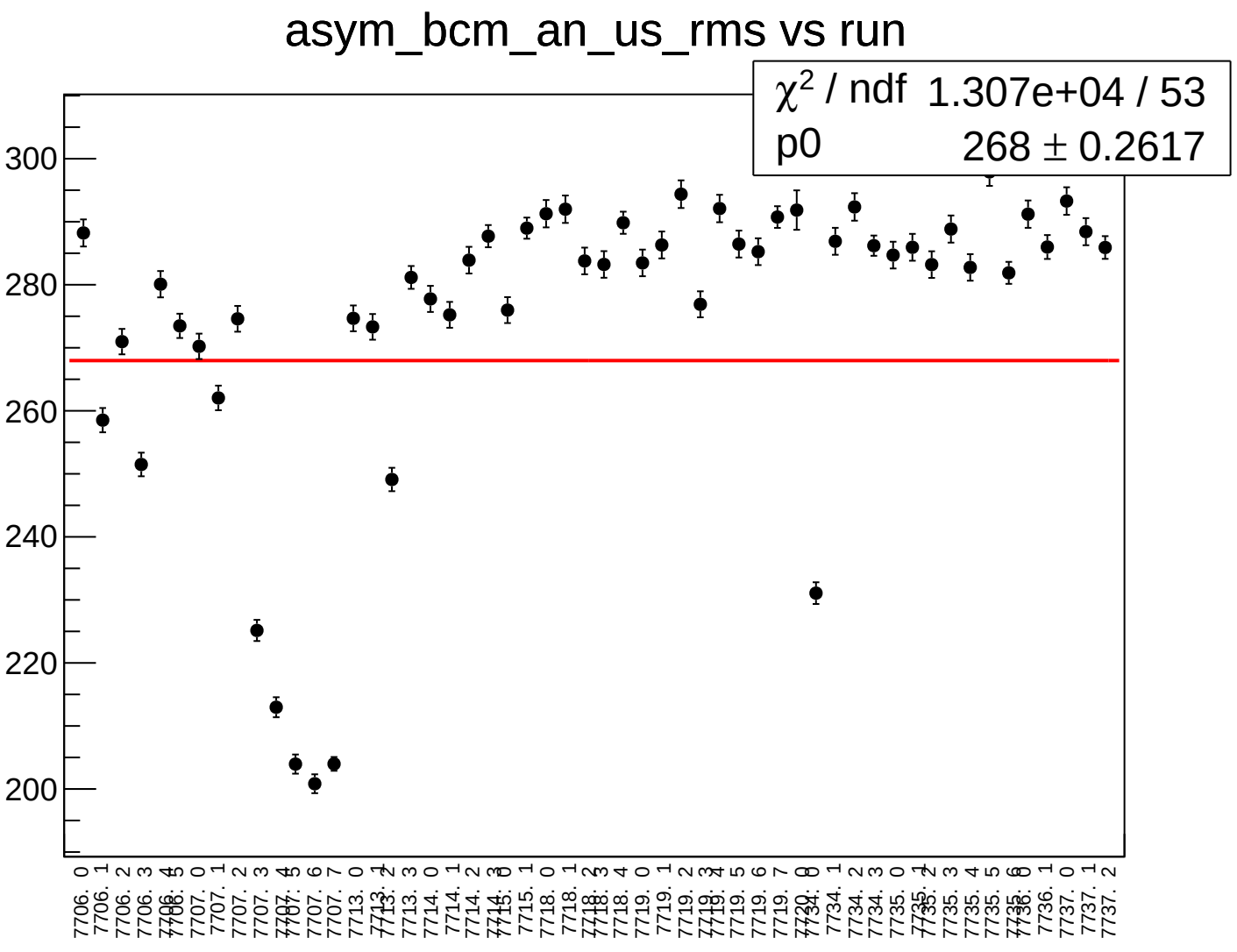

asym_bcm_an_ds_rms vs run
χ^2 / ndf 1.294e+04 / 53
p0 266.8 ± 0.2605
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

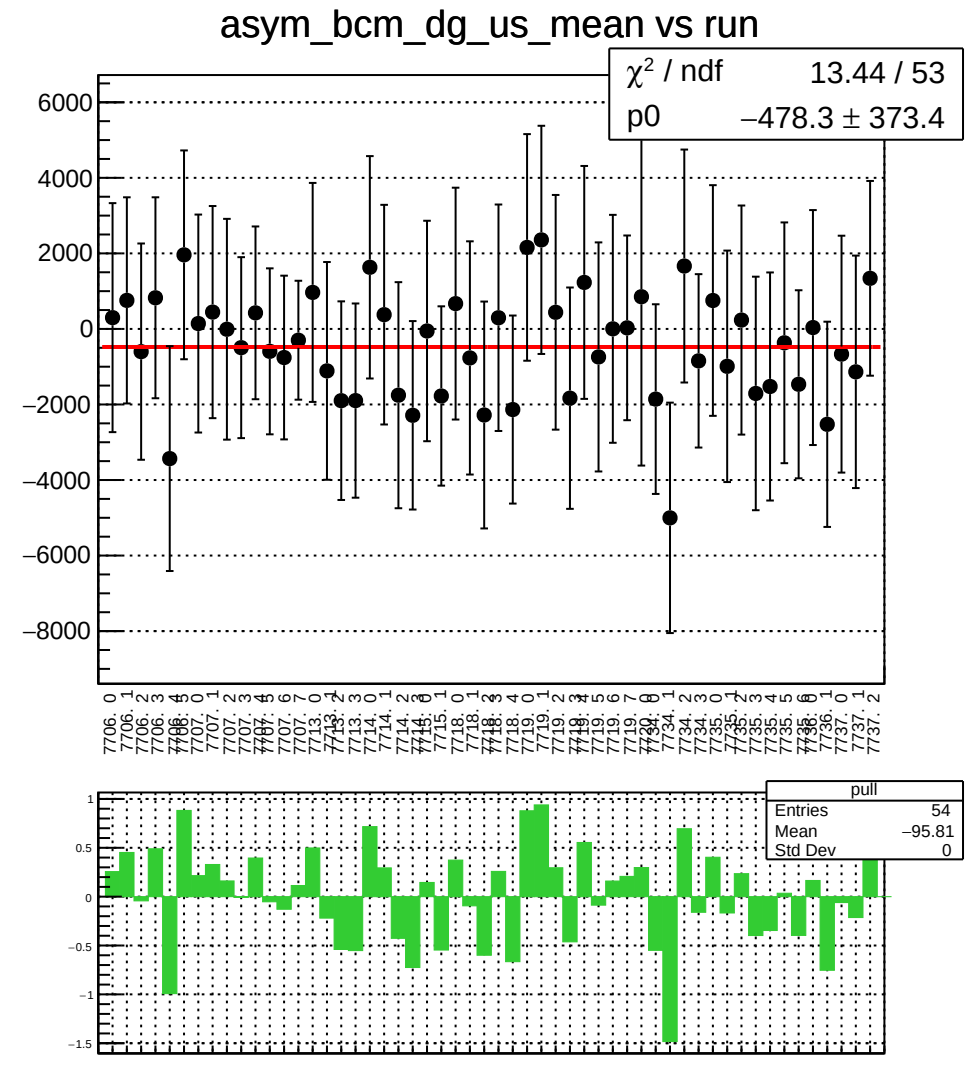

asym_bcm_an_ds3_mean vs run
χ² / ndf 12.93 / 53
p0 −467.2 ± 370
pull
Entries 54
Mean −40.72
Std Dev 0

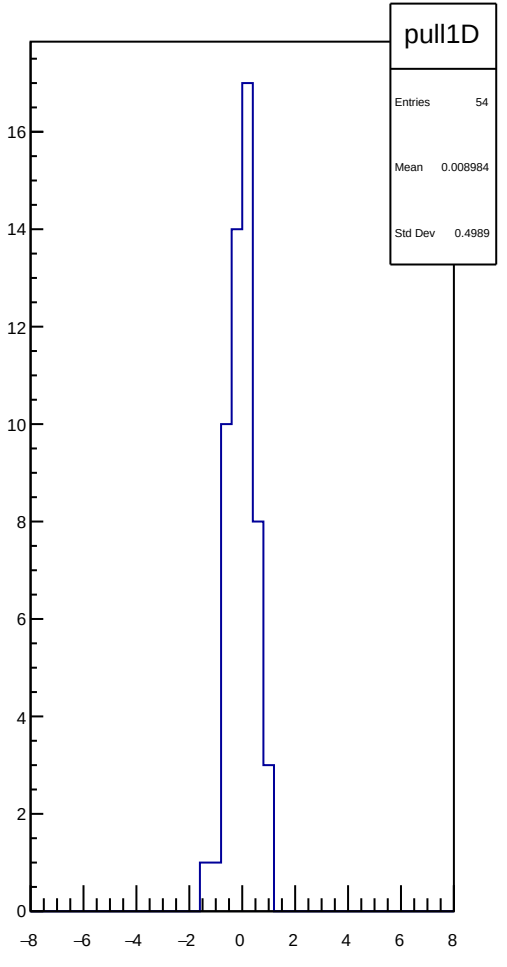

pull1D
Entries 54
Mean 0.007615
Std Dev 0.4894

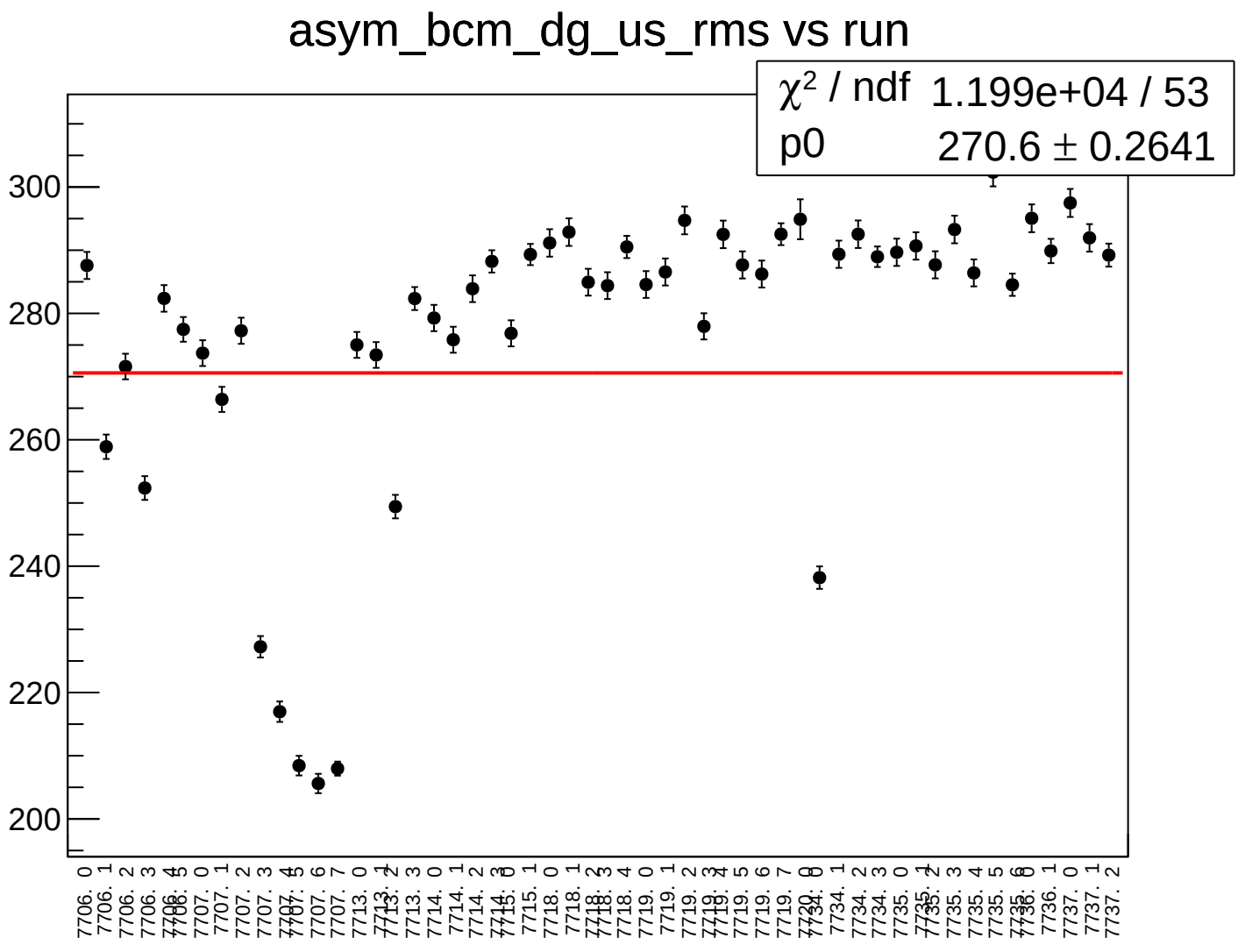

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.303e+04 / 53
p0 267.9 ± 0.2616
300
280
260
240
220
200

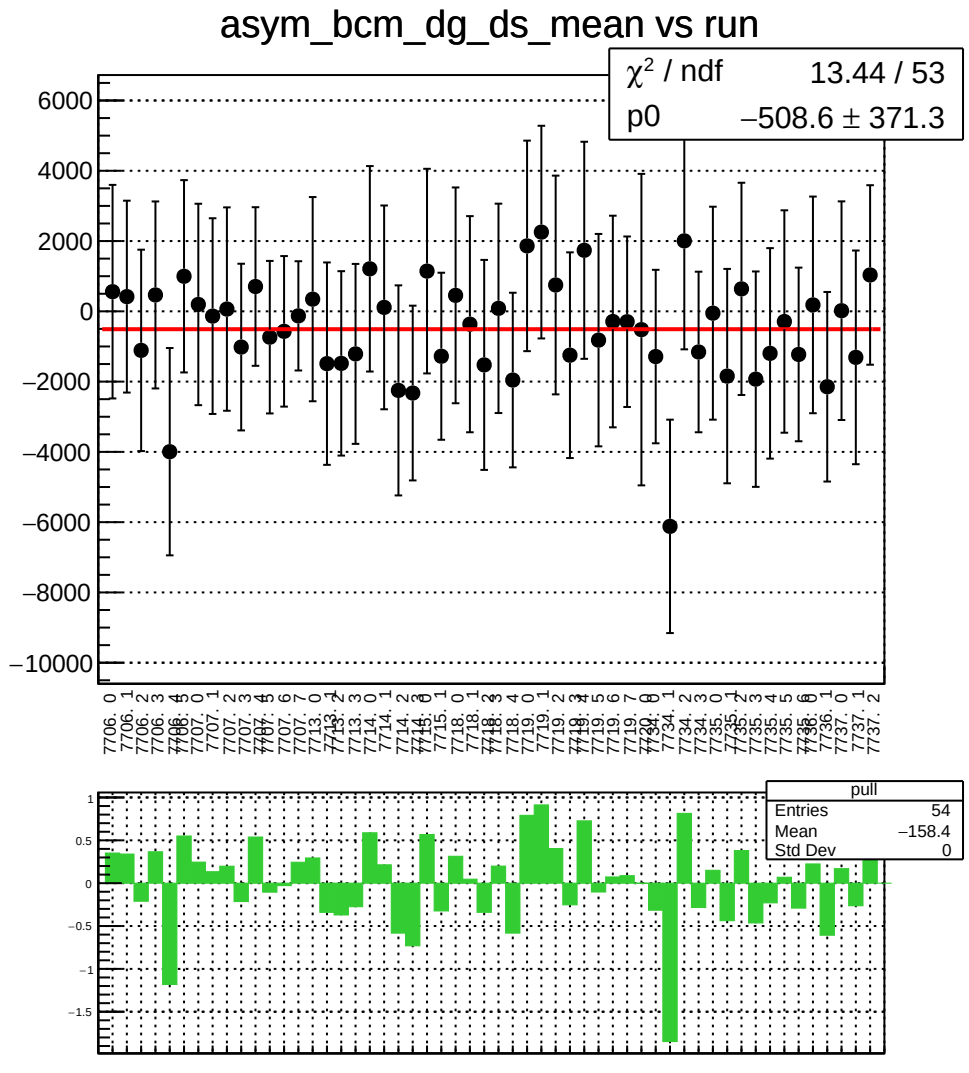

asym_bcm_an_us_mean vs run
χ² / ndf 12.33 / 53
p0 −469.1± 370
pull
Entries 54
Mean −34.5
Std Dev 0
pull1D
Entries 54
Mean 0.007351
Std Dev 0.4778

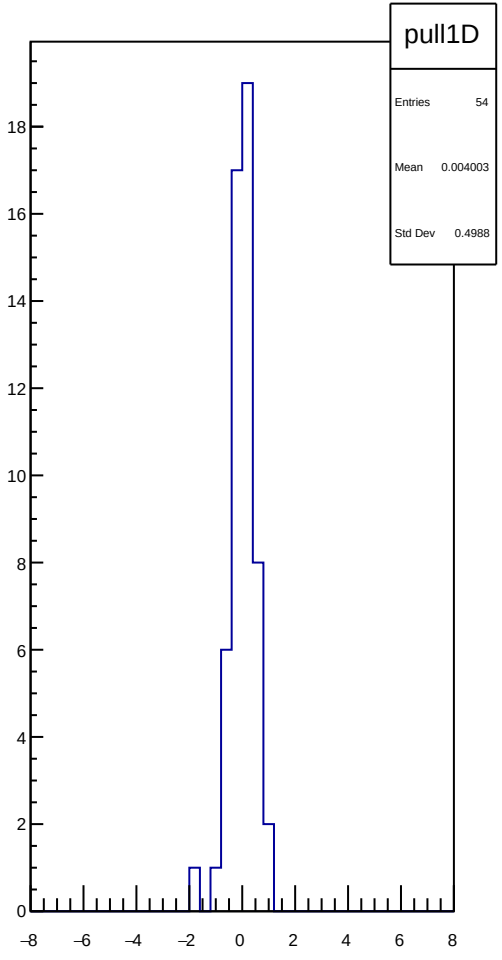

asym_bcm_an_us_rms vs run
χ² / ndf 1.307e+04 / 53
p0 268 ± 0.2617
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

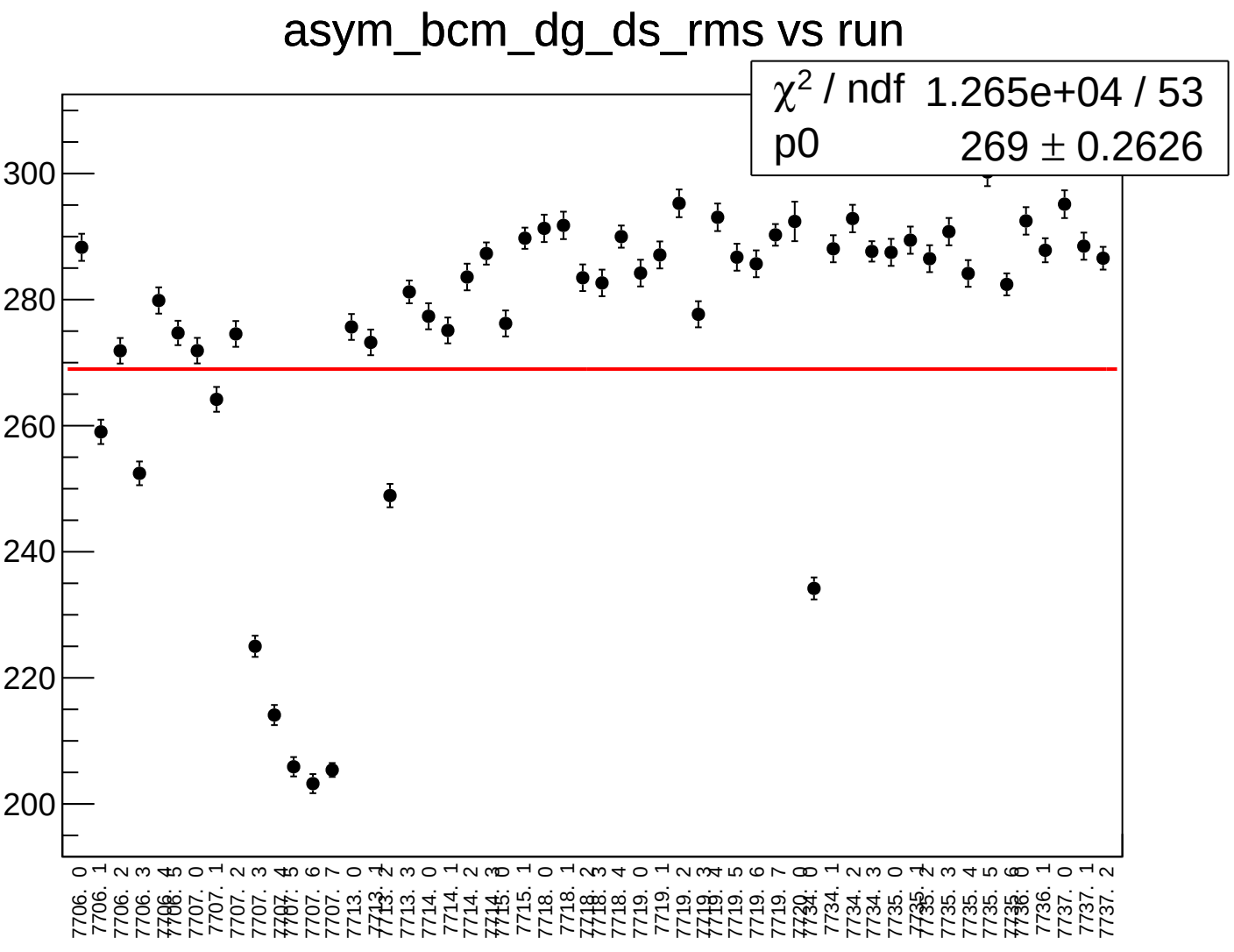

asym_bcm_dg_us_mean vs run
χ² / ndf 13.44 / 53
p0 −478.3 ± 373.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −95.81
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

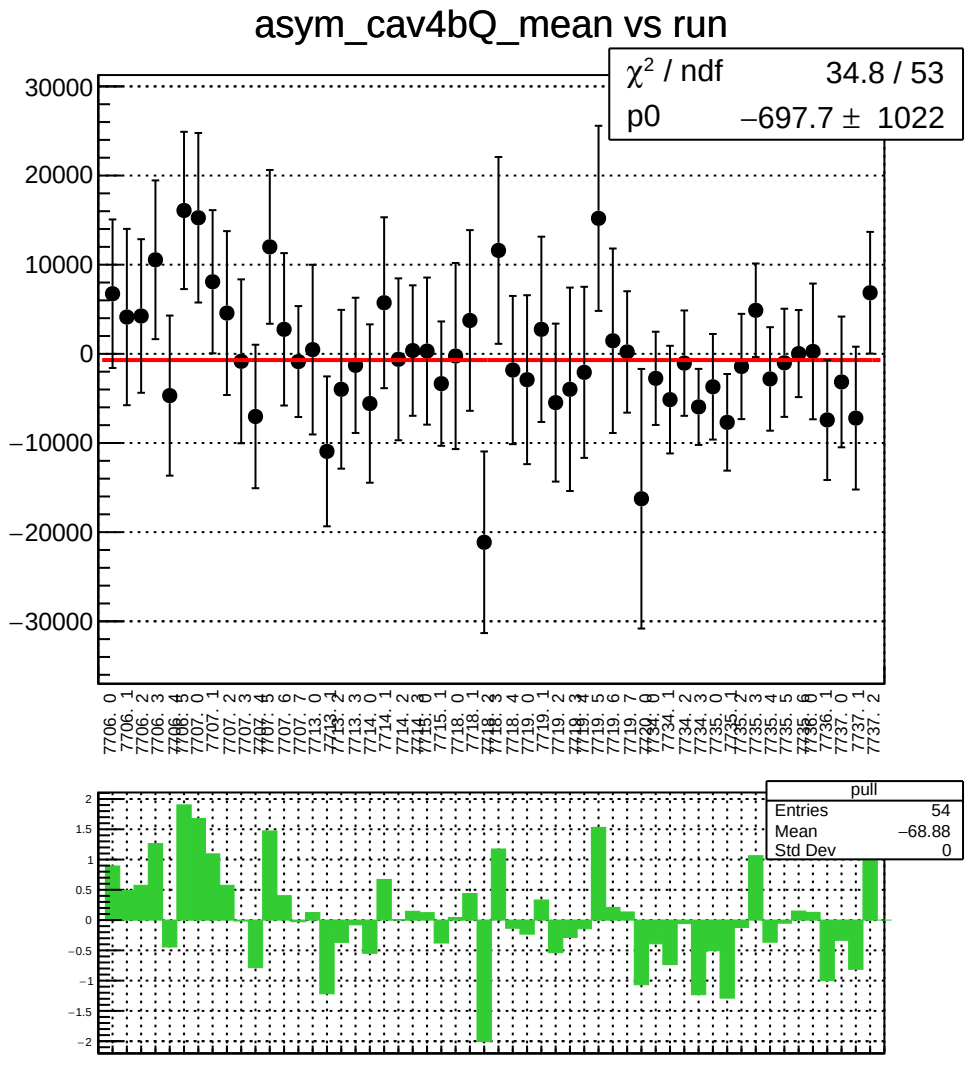

pull1D
Entries 54
Mean 0.008984
Std Dev 0.4989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

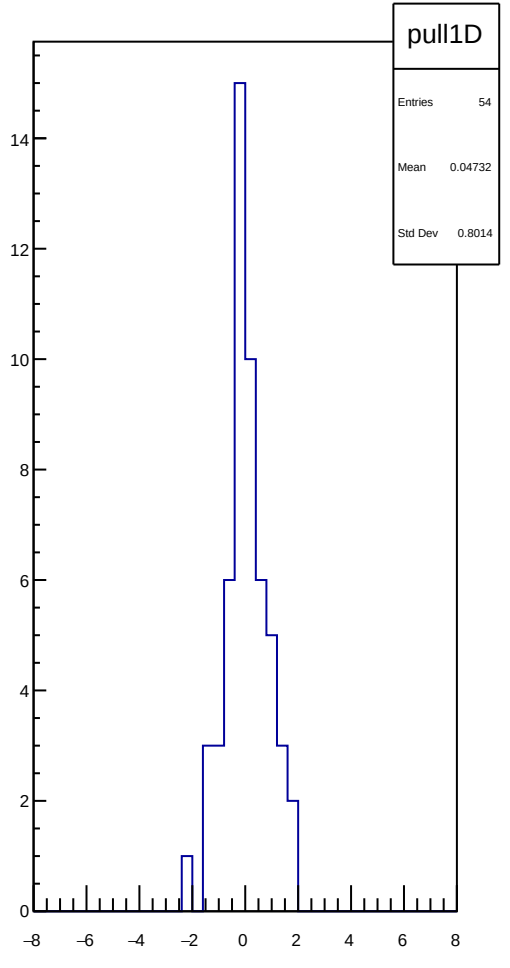

asym_bcm_dg_us_rms vs run
χ² / ndf 1.199e+04 / 53
p0 270.6 ± 0.2641
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

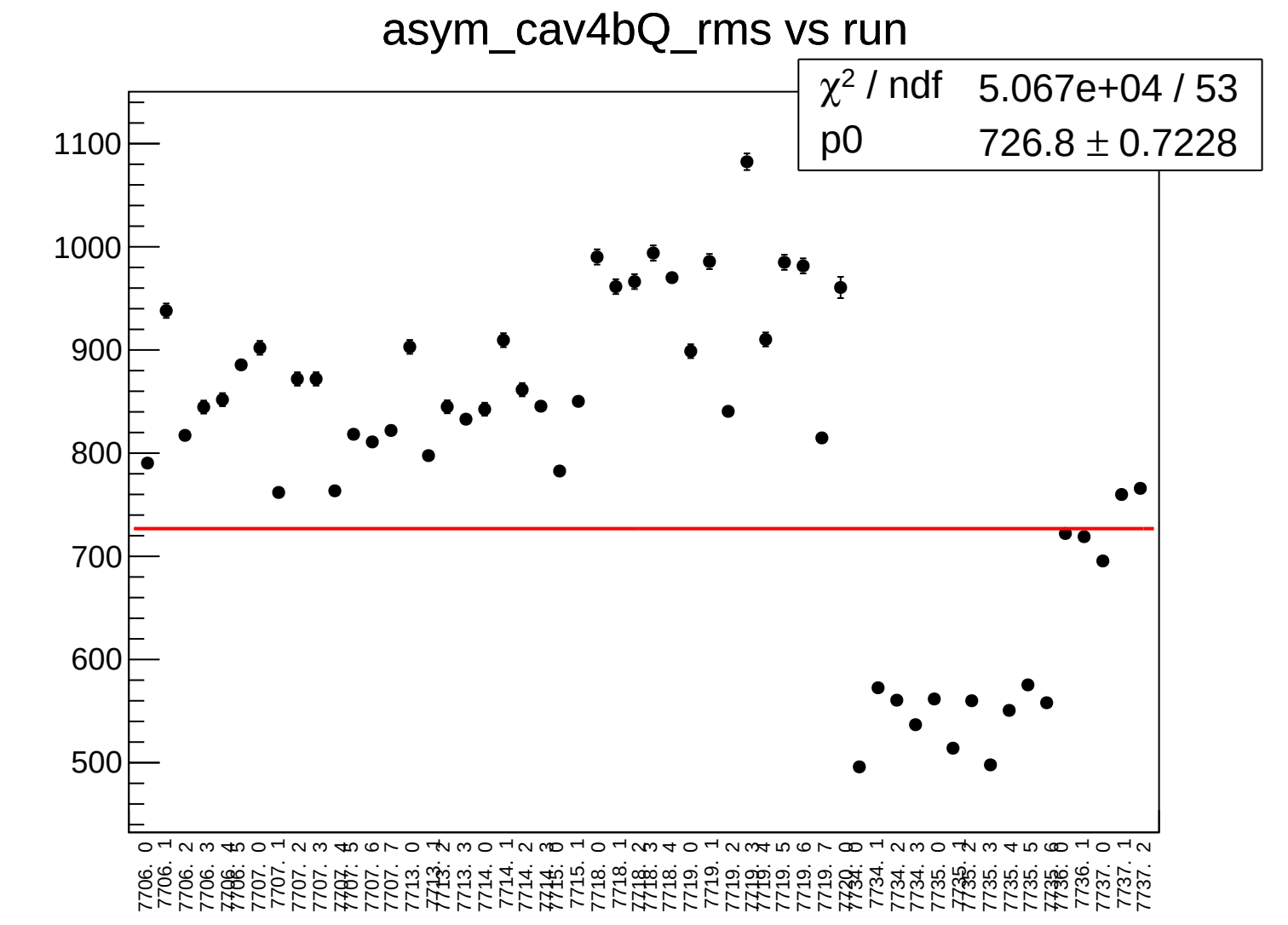

asym_bcm_dg_ds_mean vs run
χ² / ndf 13.44 / 53
p0 −508.6 ± 371.3
pull
Entries 54
Mean −158.4
Std Dev 0

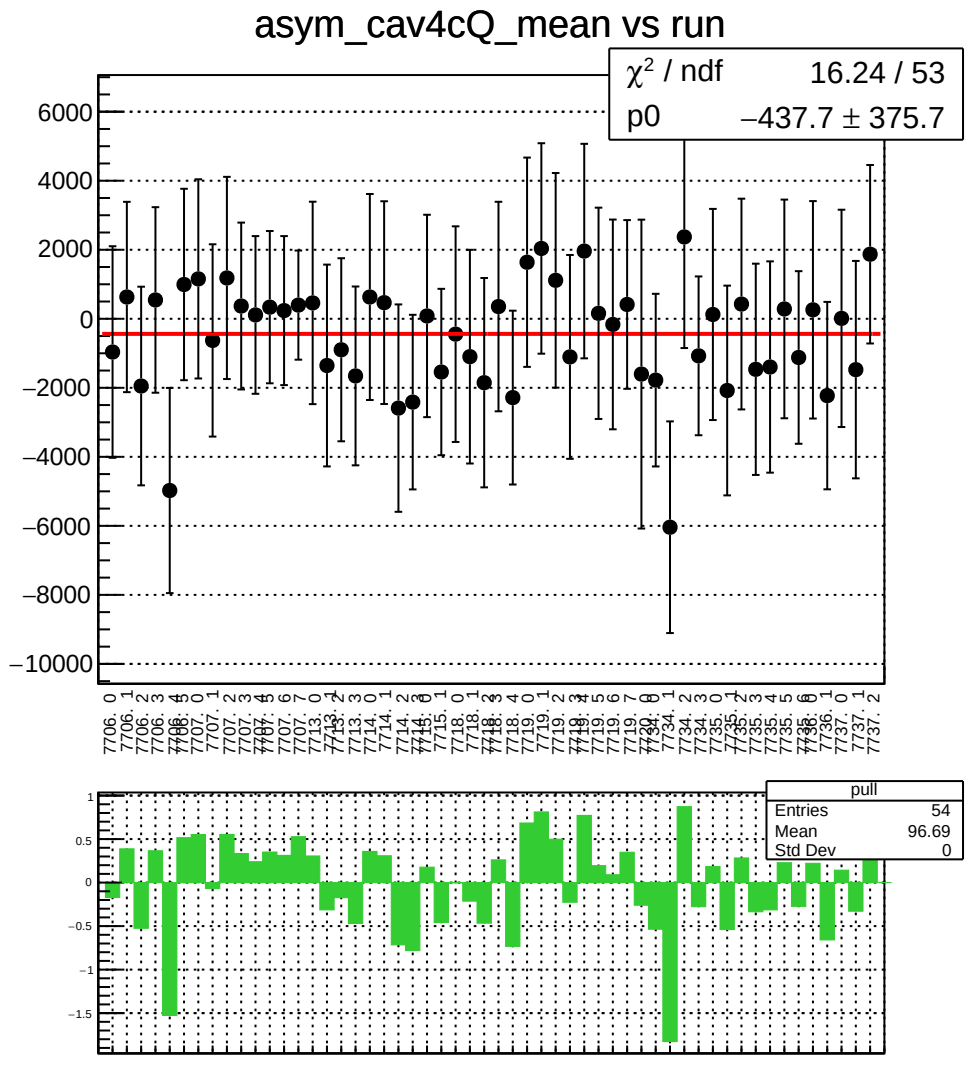

pull1D
Entries 54
Mean 0.004003
Std Dev 0.4988

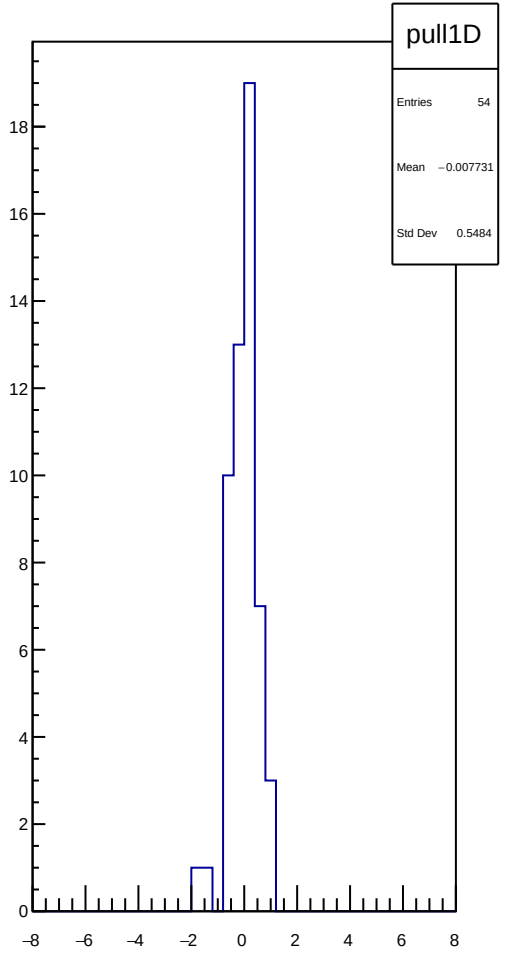

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.265e+04 / 53
p0 269 ± 0.2626
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

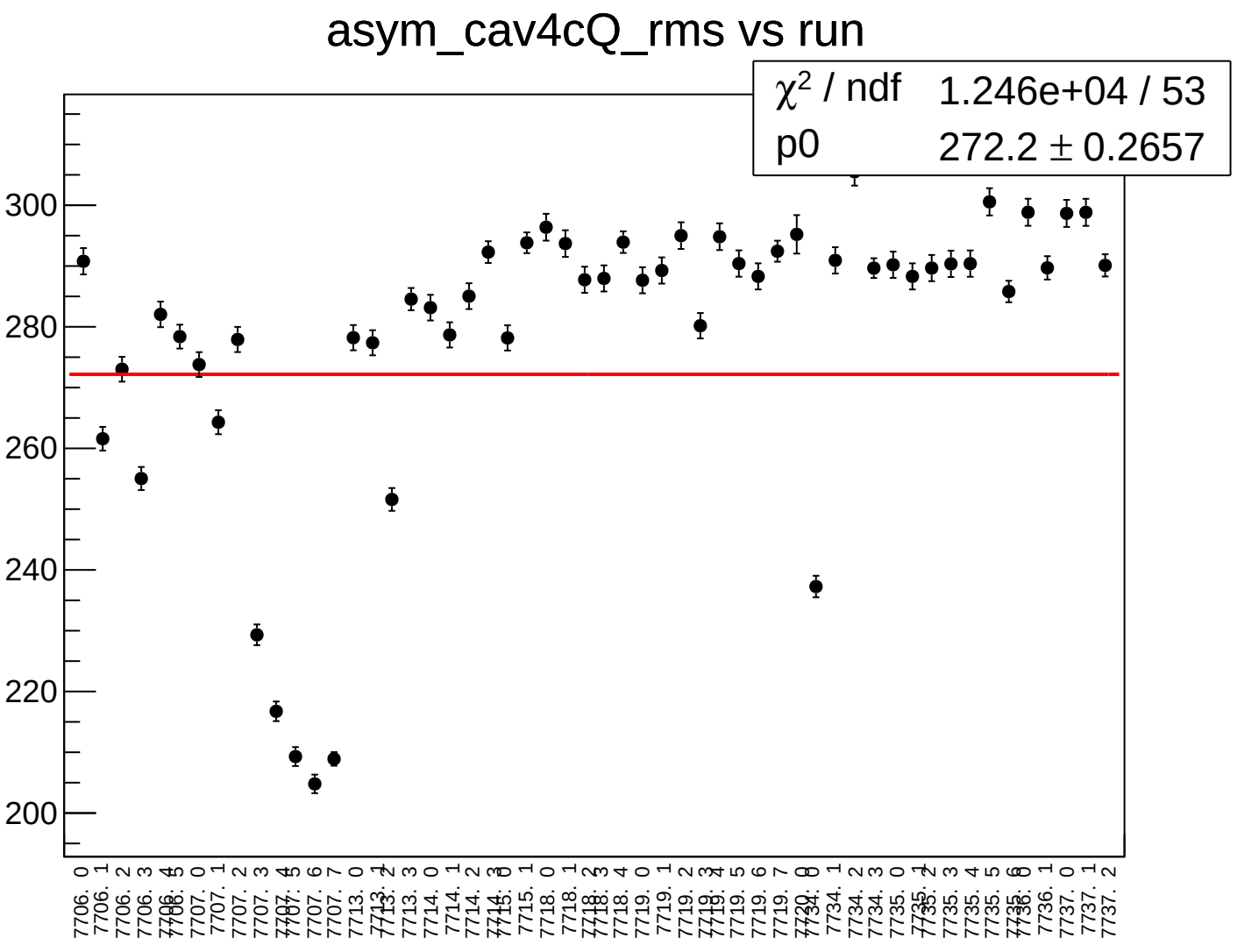

asym_cav4bQ_mean vs run
χ² / ndf 34.8 / 53
p0 −697.7 ± 1022
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −68.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

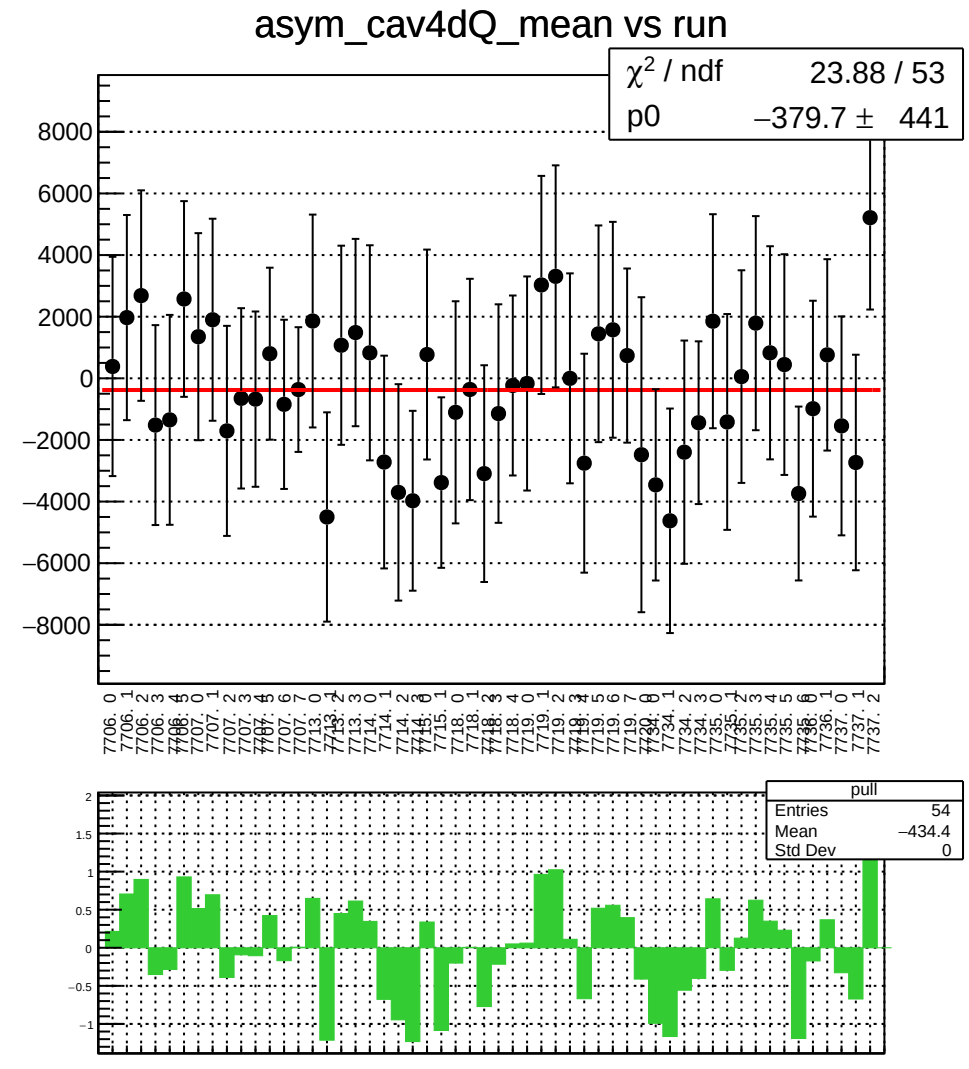

pull1D
Entries 54
Mean 0.04732
Std Dev 0.8014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

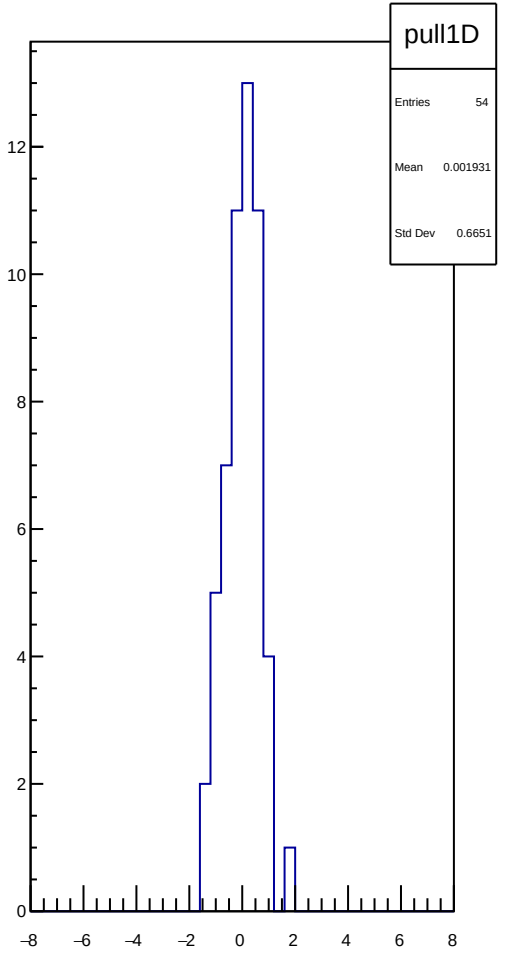

asym_cav4bQ_rms vs run
χ² / ndf 5.067e+04 / 53
p0 726.8 ± 0.7228
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

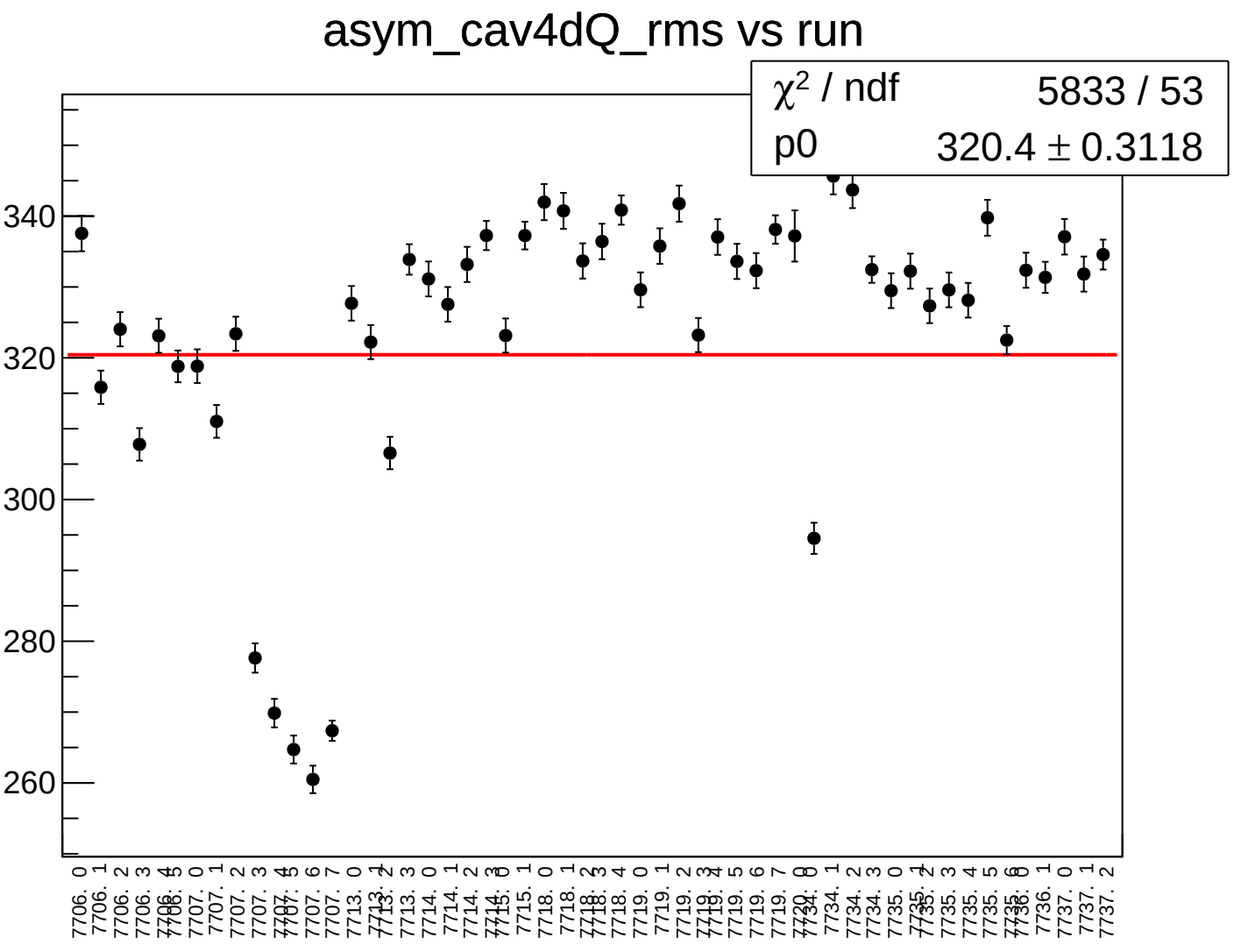

asym_cav4cQ_mean vs run
χ² / ndf 16.24 / 53
p0 −437.7 ± 375.7
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 54
Mean 96.69
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

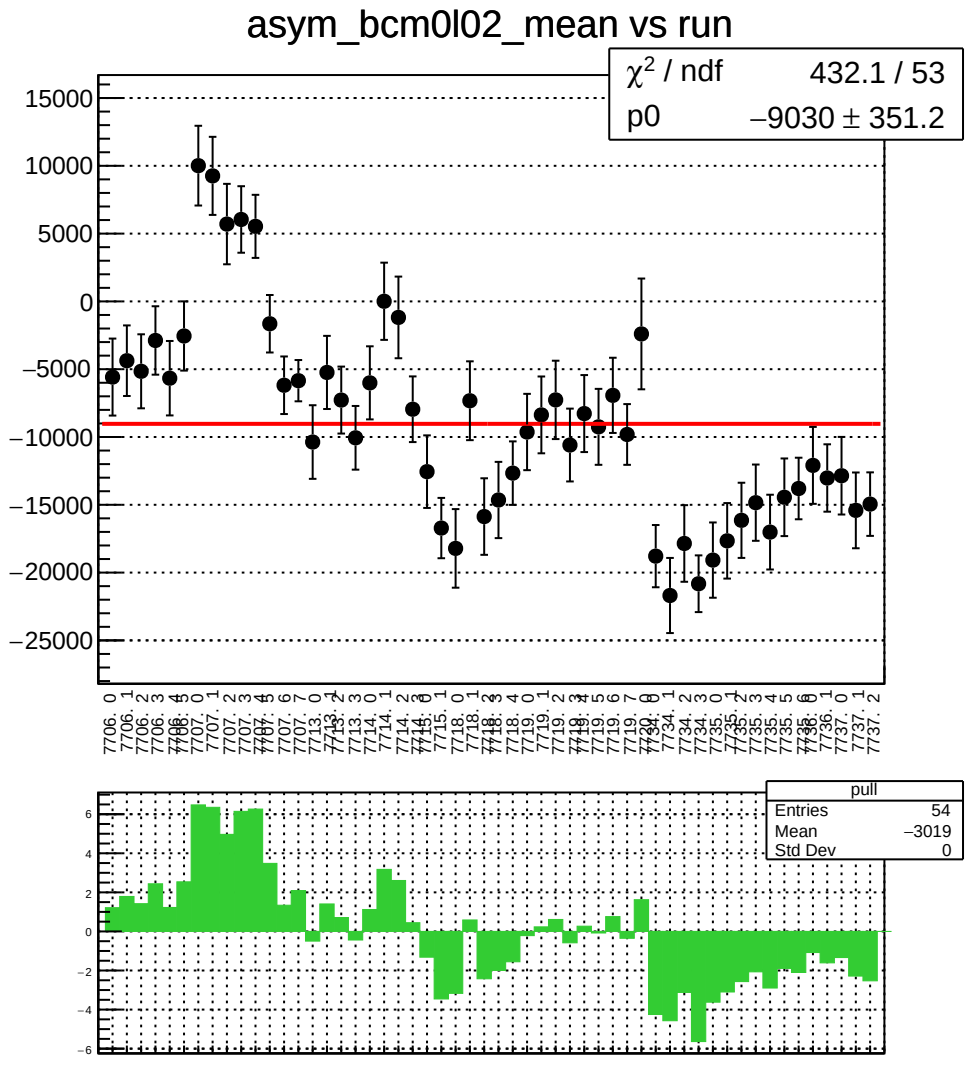

pull1D
Entries 54
Mean −0.007731
Std Dev 0.5484
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

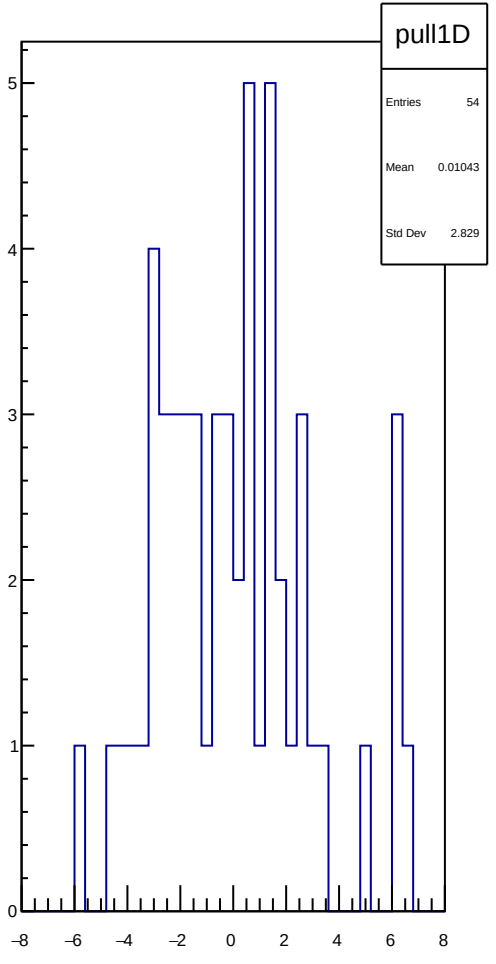

asym_cav4cQ_rms vs run
χ² / ndf 1.246e+04 / 53
p0 272.2 ± 0.2657
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

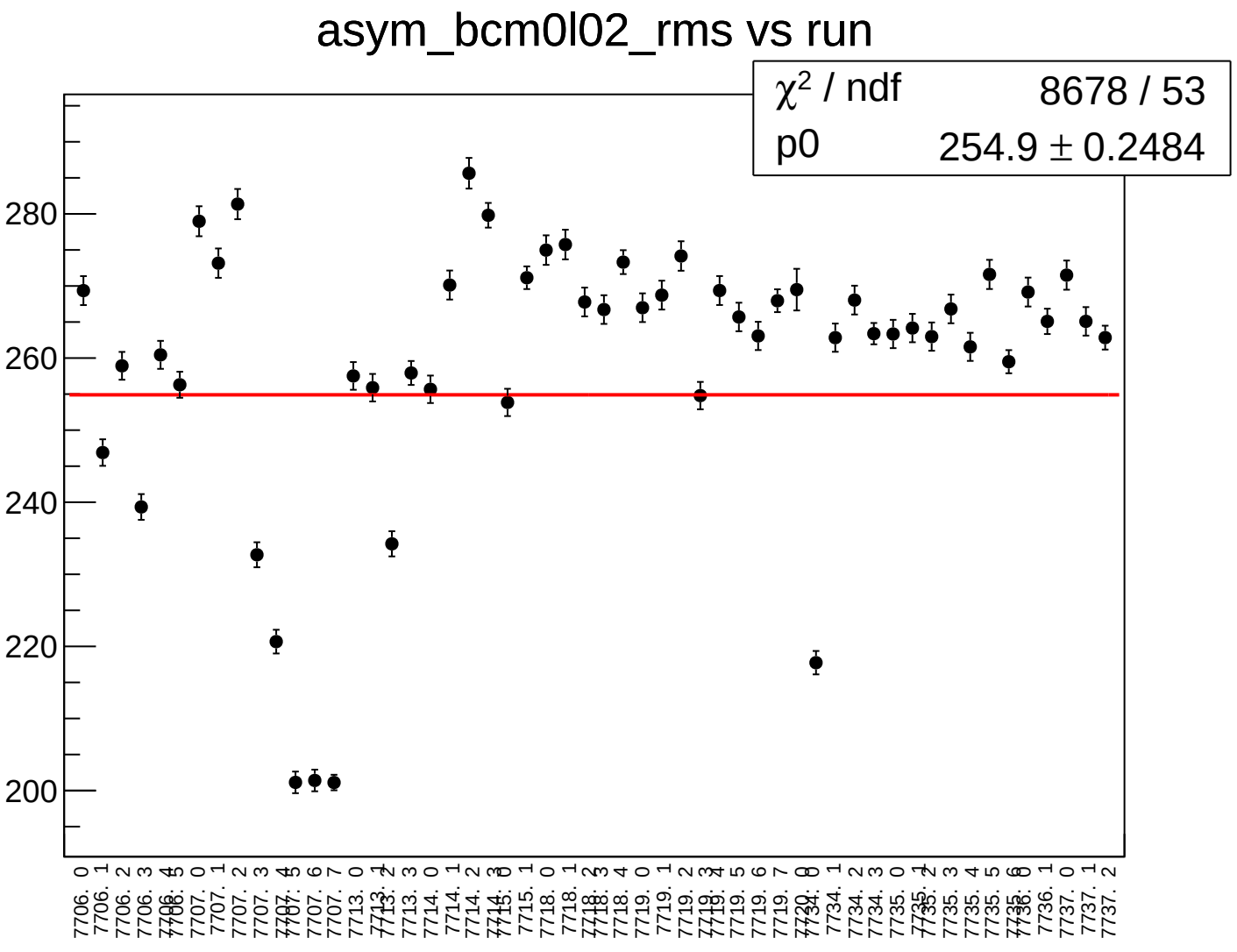

asym_cav4dQ_mean vs run
χ² / ndf 23.88 / 53
p0 −379.7 ± 441
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −434.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

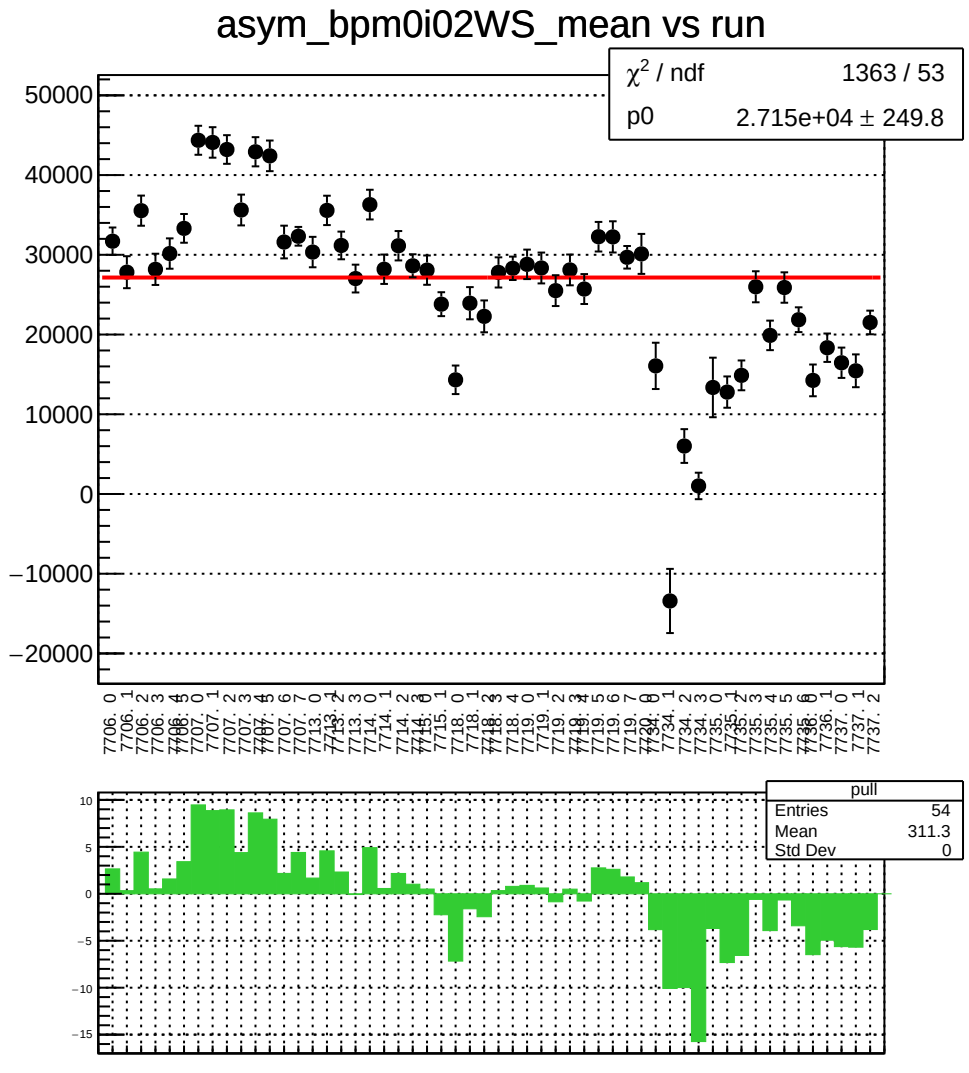

pull1D
Entries 54
Mean 0.001931
Std Dev 0.6651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

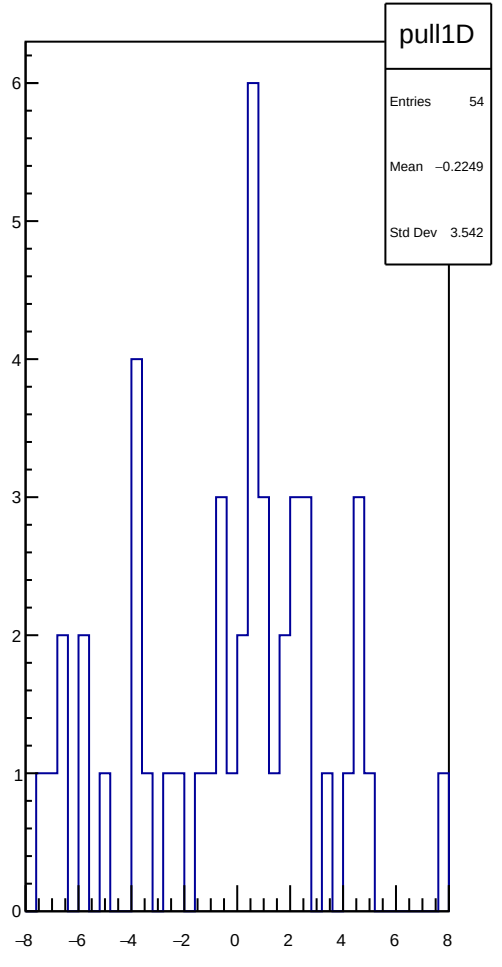

asym_cav4dQ_rms vs run
χ² / ndf 5833 / 53
p0 320.4 ± 0.3118
340
320
300
280
260

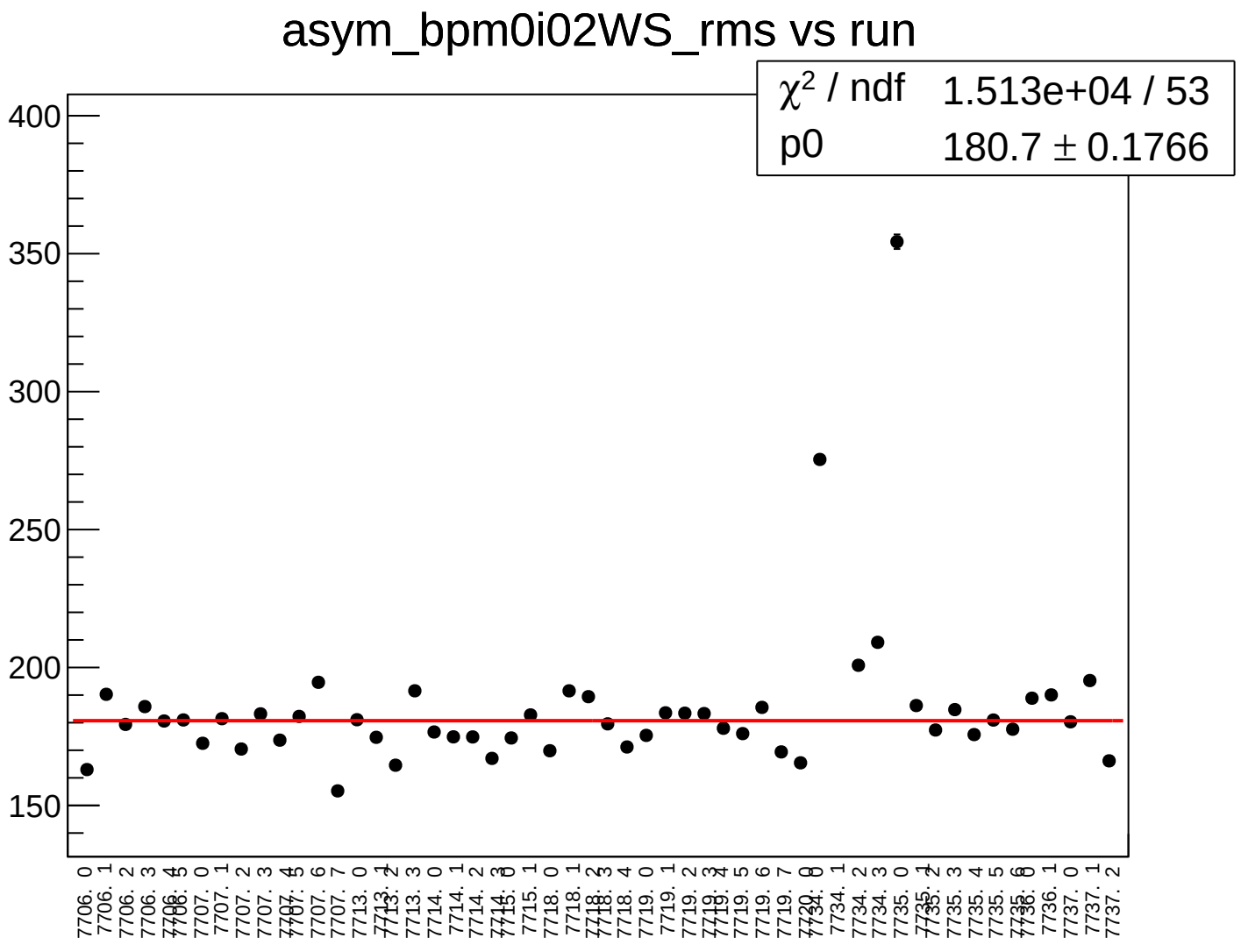

asym_bcm0l02_mean vs run
χ² / ndf 432.1 / 53
p0 −9030 ± 351.2
pull
Entries 54
Mean −3019
Std Dev 0

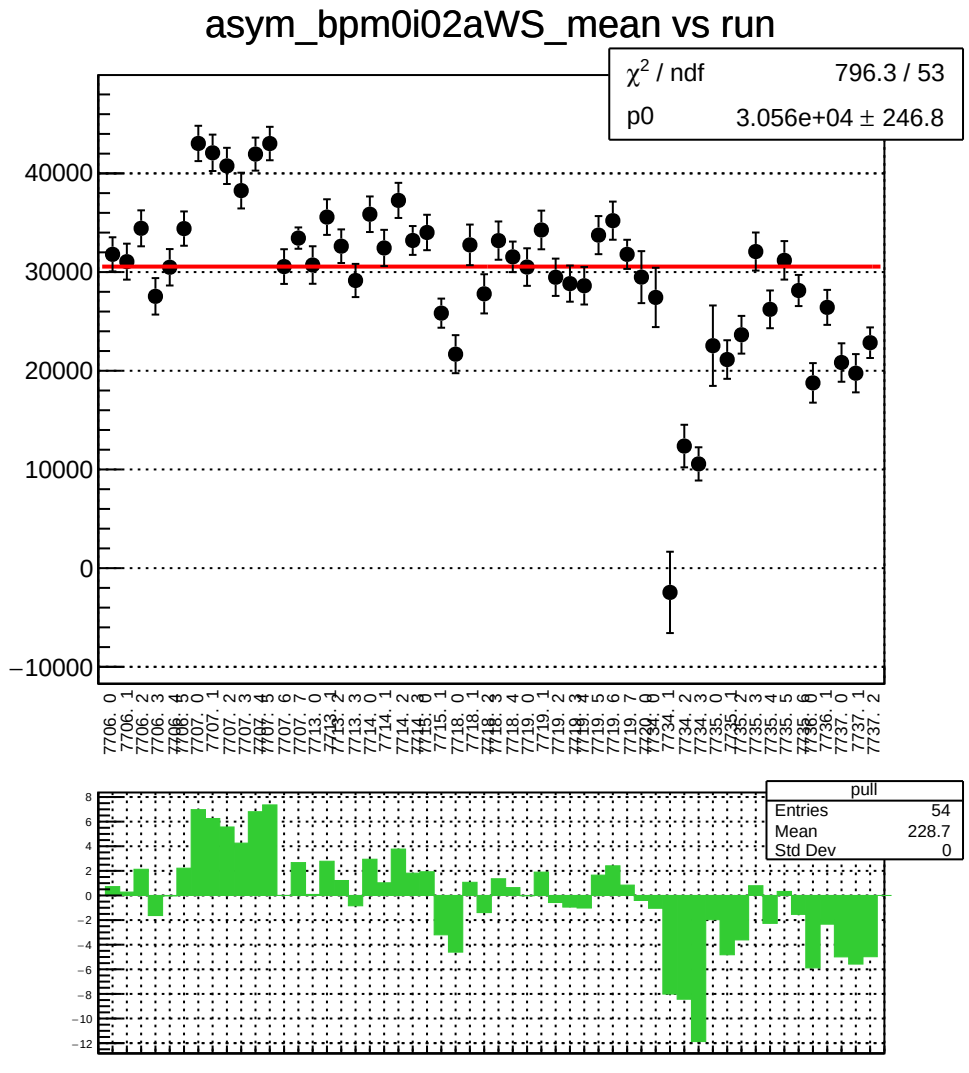

pull1D
Entries 54
Mean 0.01043
Std Dev 2.829

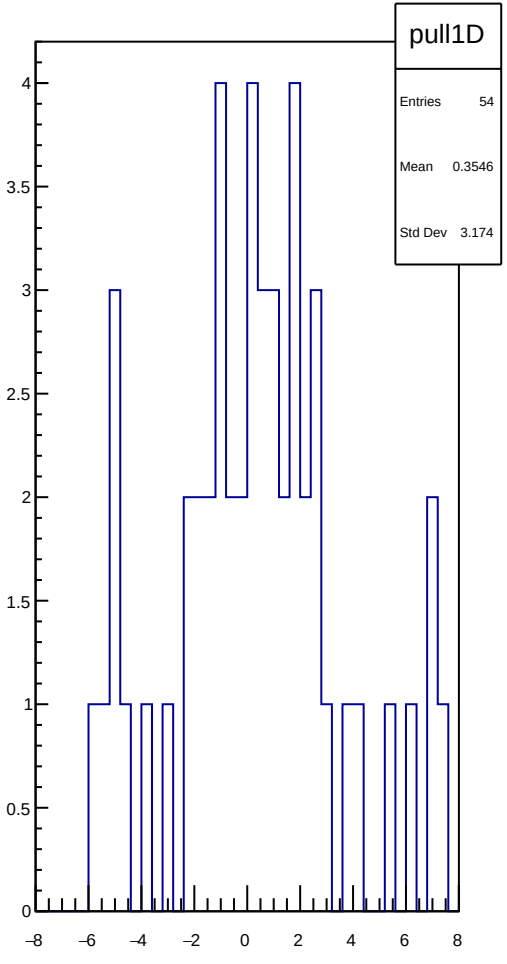

asym_bcm0l02_rms vs run
χ^2 / ndf 8678 / 53
p0 254.9 ± 0.2484
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

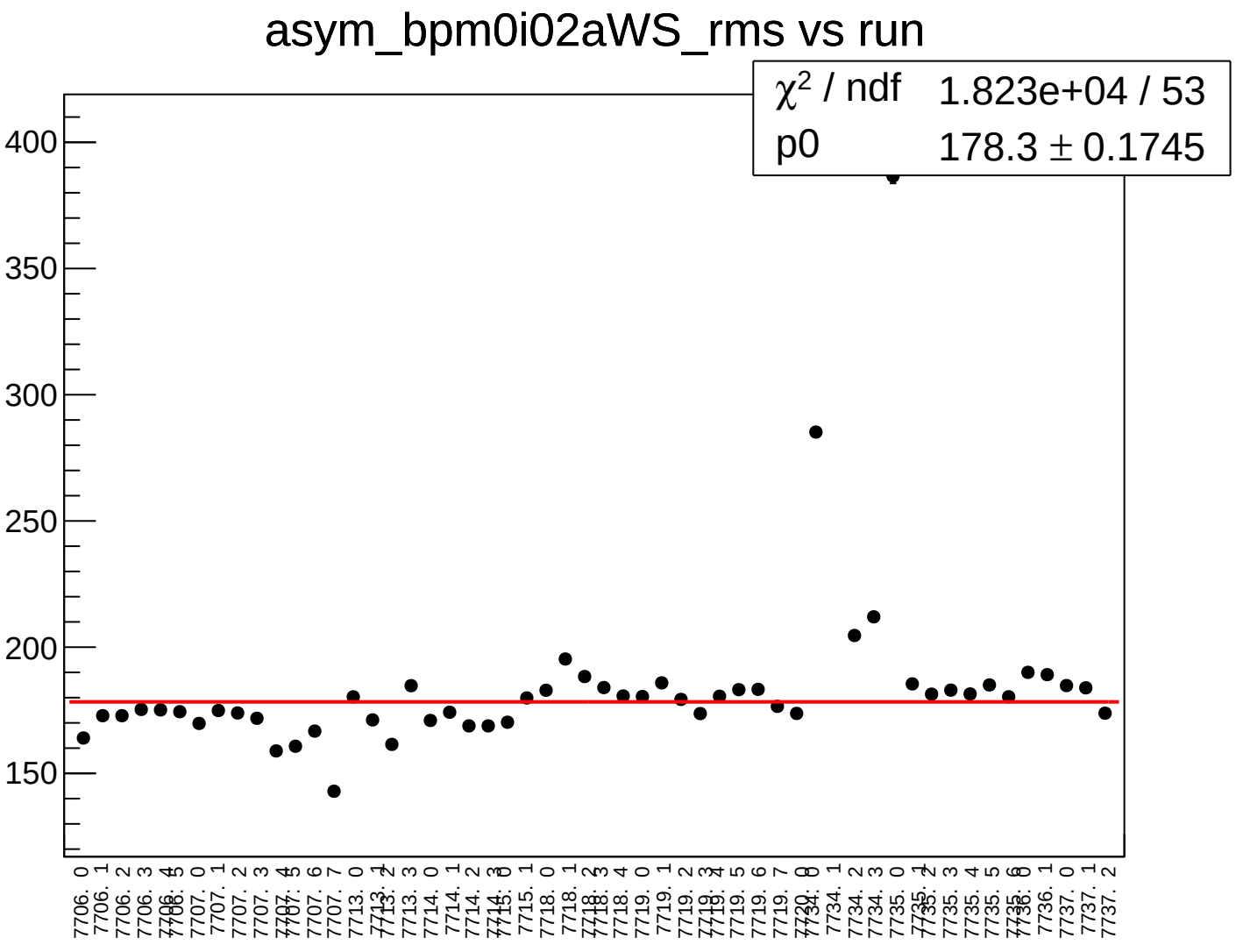

asym_bpm0i02WS_mean vs run
χ² / ndf 1363 / 53
p0 2.715e+04 ± 249.8
pull
Entries 54
Mean 311.3
Std Dev 0

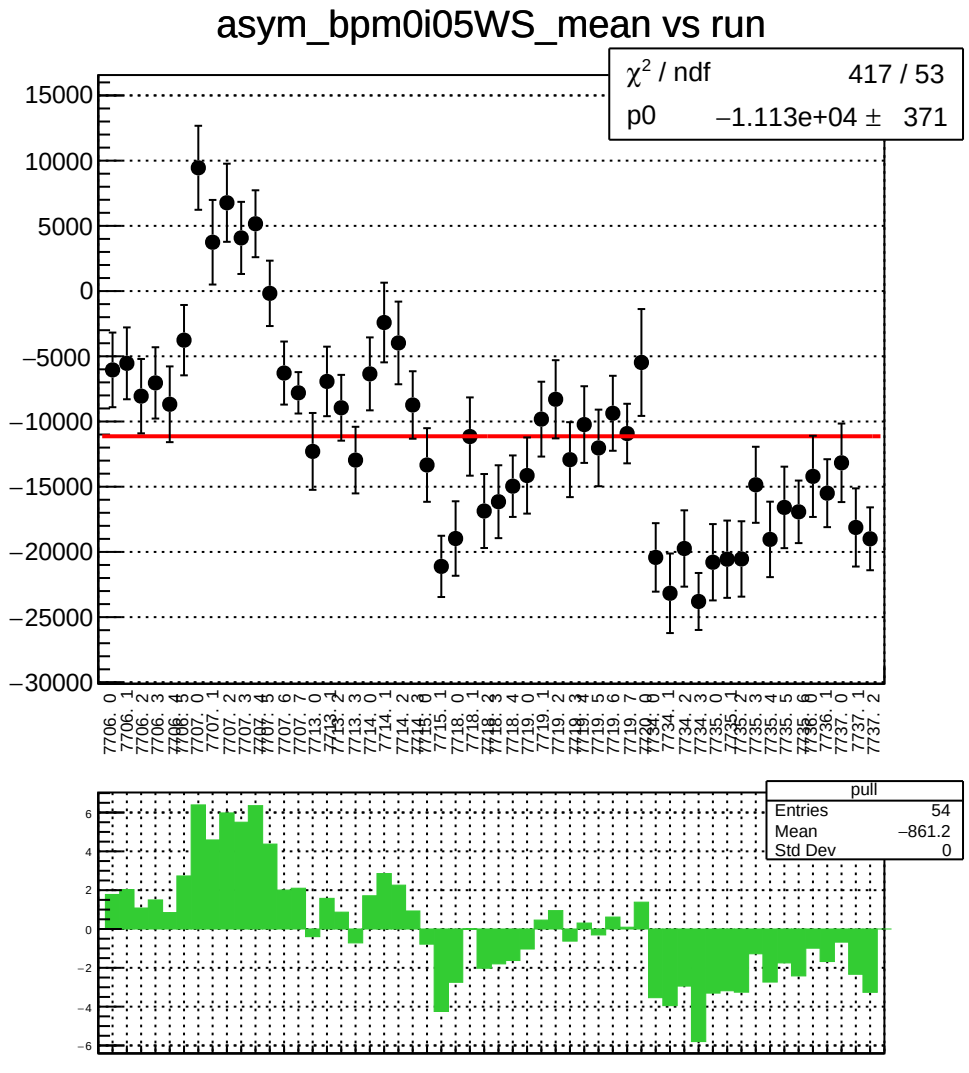

pull1D
Entries 54
Mean −0.2249
Std Dev 3.542

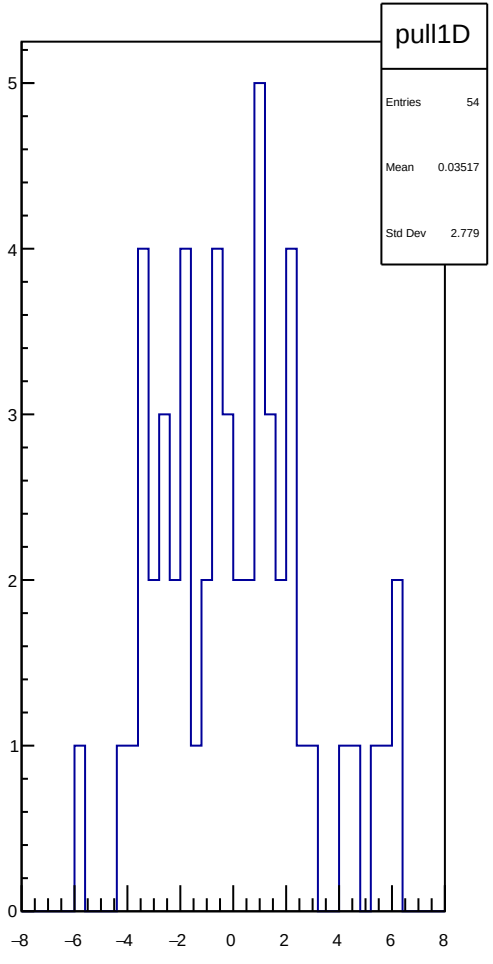

asym_bpm0i02WS_rms vs run
χ² / ndf 1.513e+04 / 53
p0 180.7 ± 0.1766
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

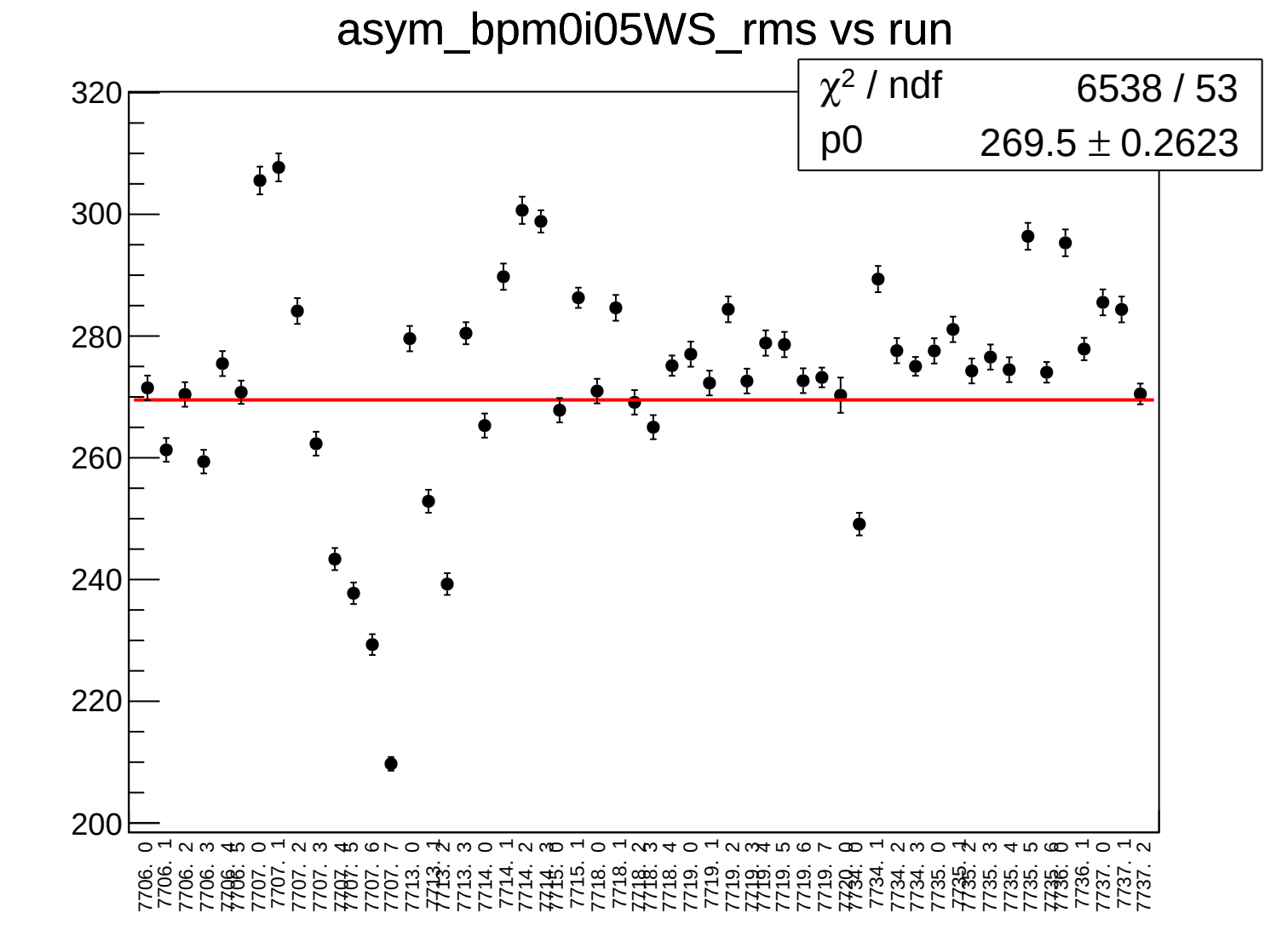

asym_bpm0i02aWS_mean vs run
χ² / ndf 796.3 / 53
p0 3.056e+04 ± 246.8
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 228.7
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

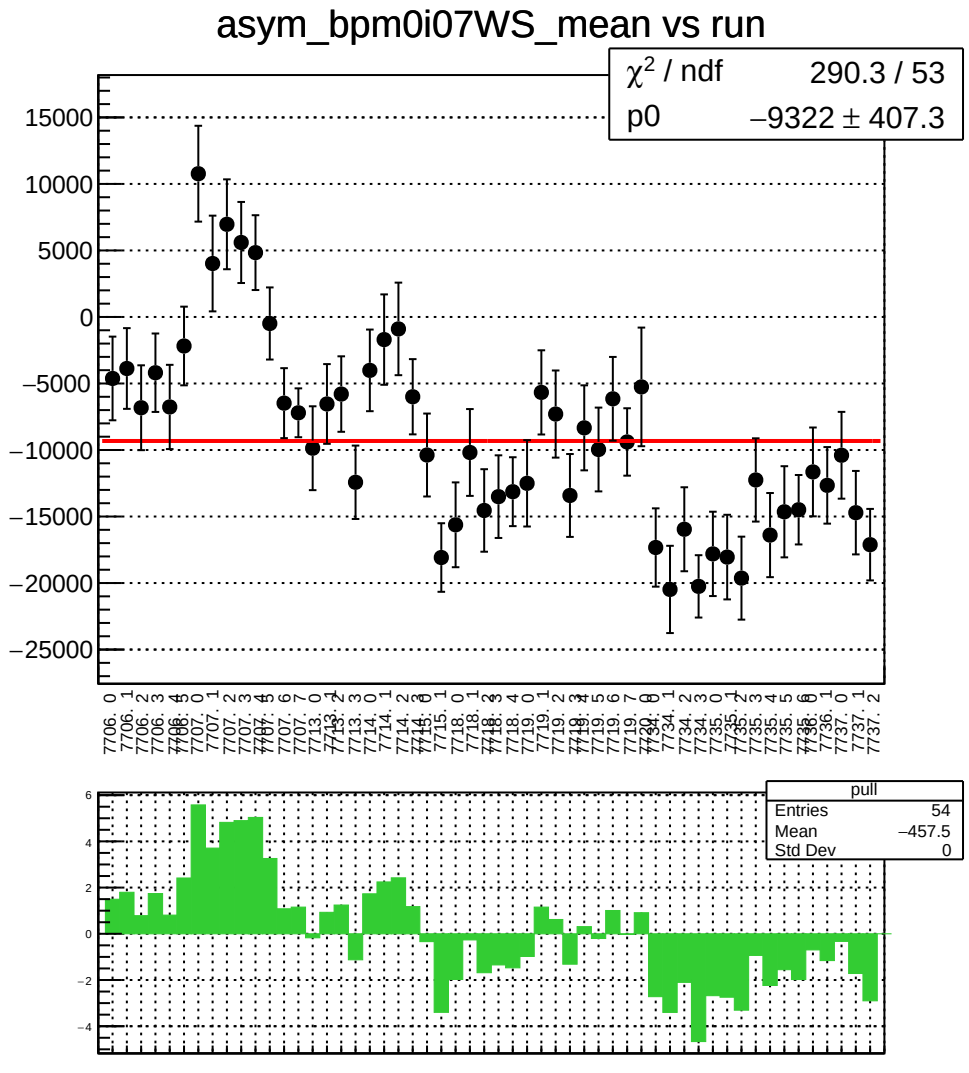

pull1D
Entries 54
Mean 0.3546
Std Dev 3.174
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

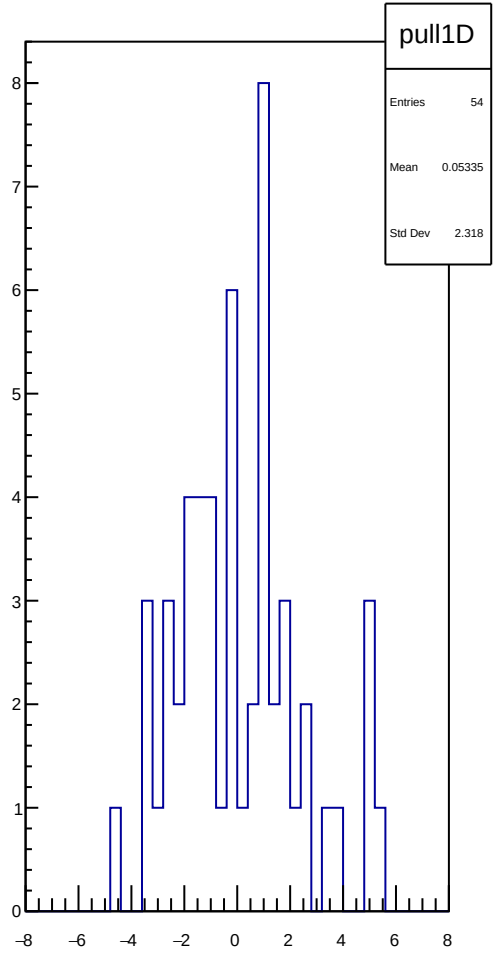

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.823e+04 / 53
p0 178.3 ± 0.1745
400
350
300
250
200
150

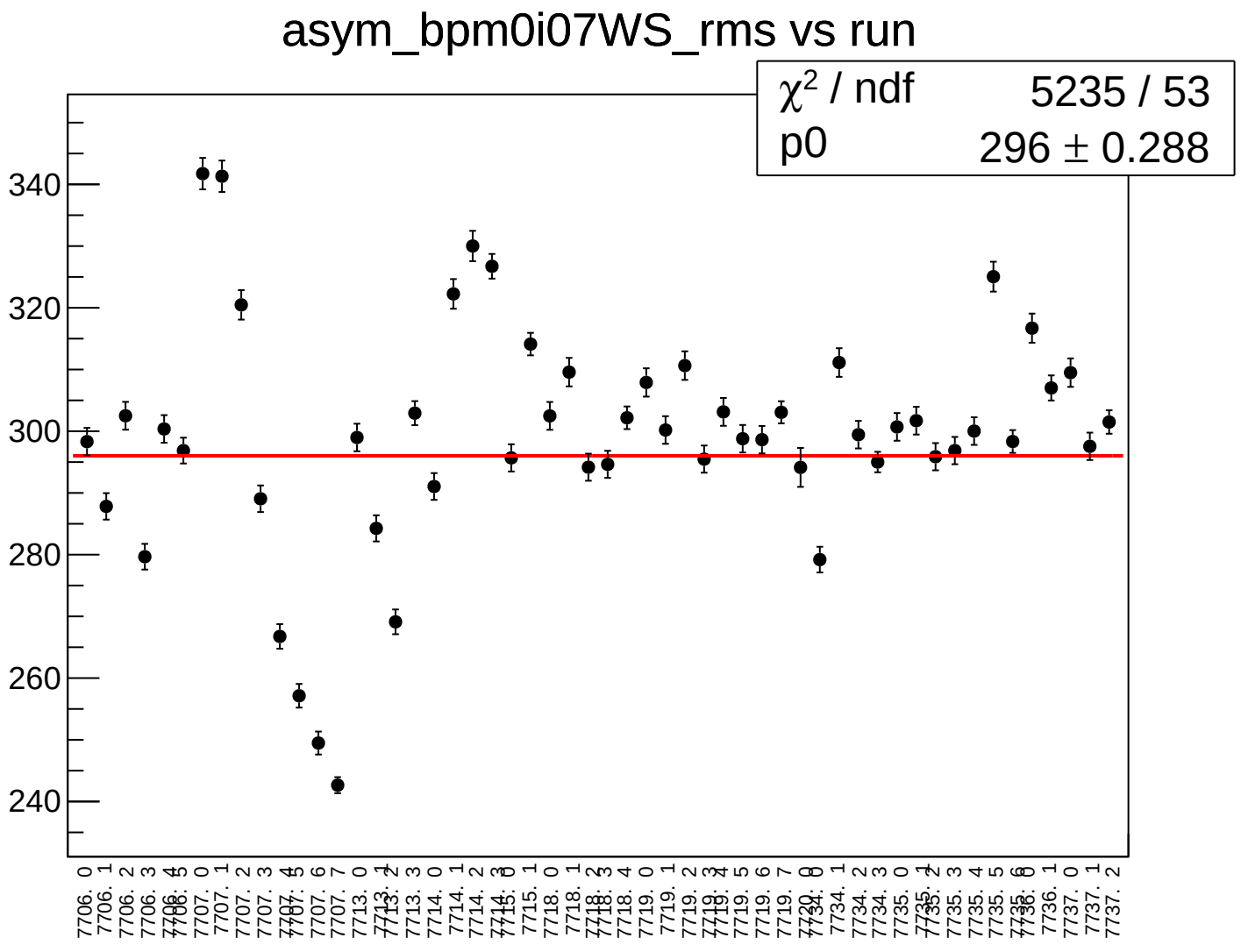

asym_bpm0i05WS_mean vs run
χ² / ndf 417 / 53
p0 −1.113e+04 ± 371
pull
Entries 54
Mean −861.2
Std Dev 0

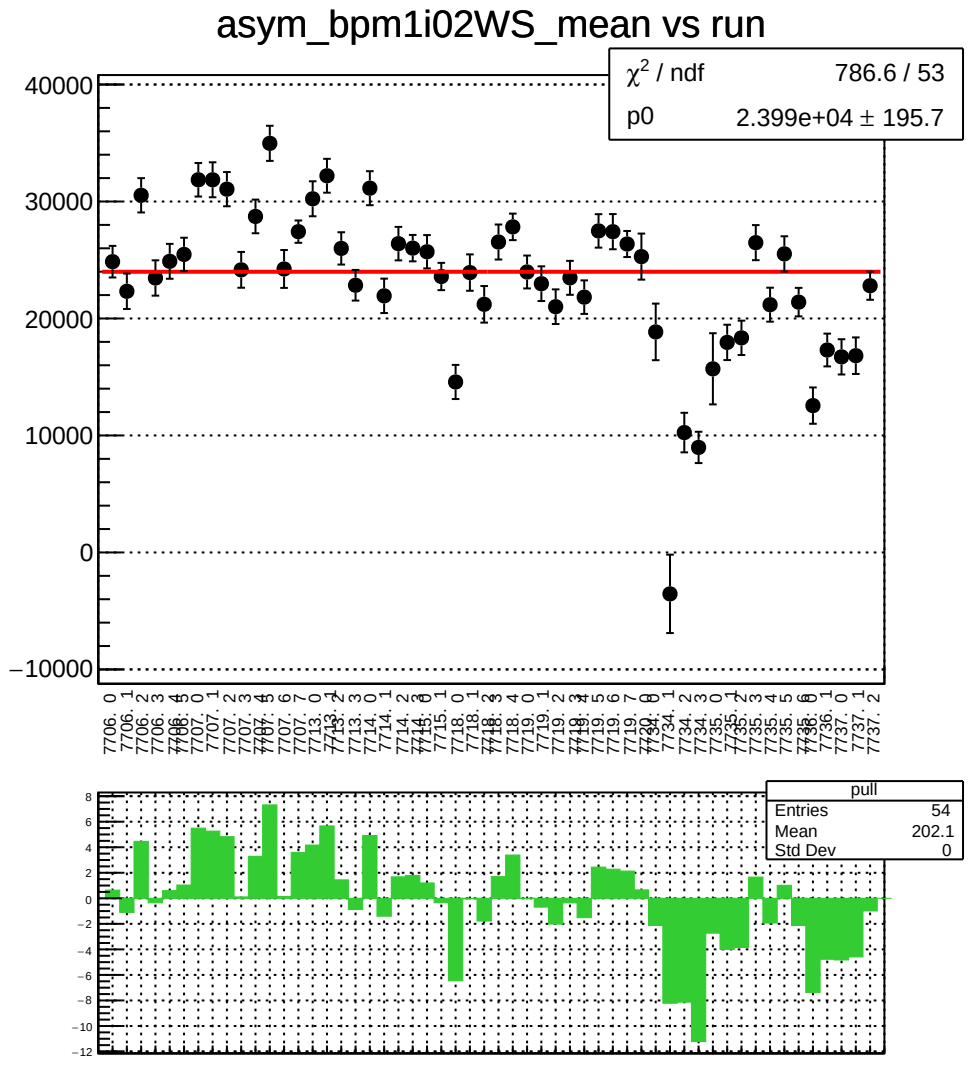

pull1D
Entries 54
Mean 0.03517
Std Dev 2.779

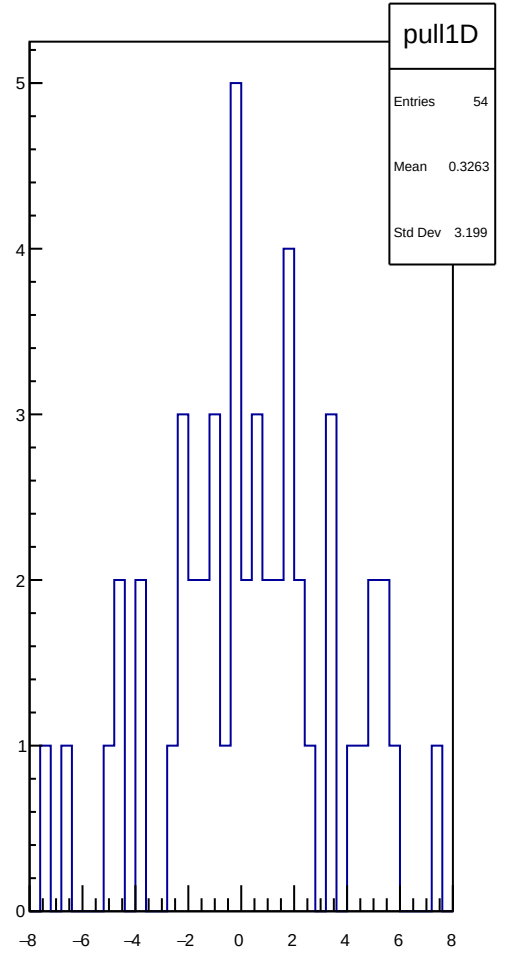

asym_bpm0i05WS_rms vs run
χ² / ndf 6538 / 53
p0 269.5 ± 0.2623
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

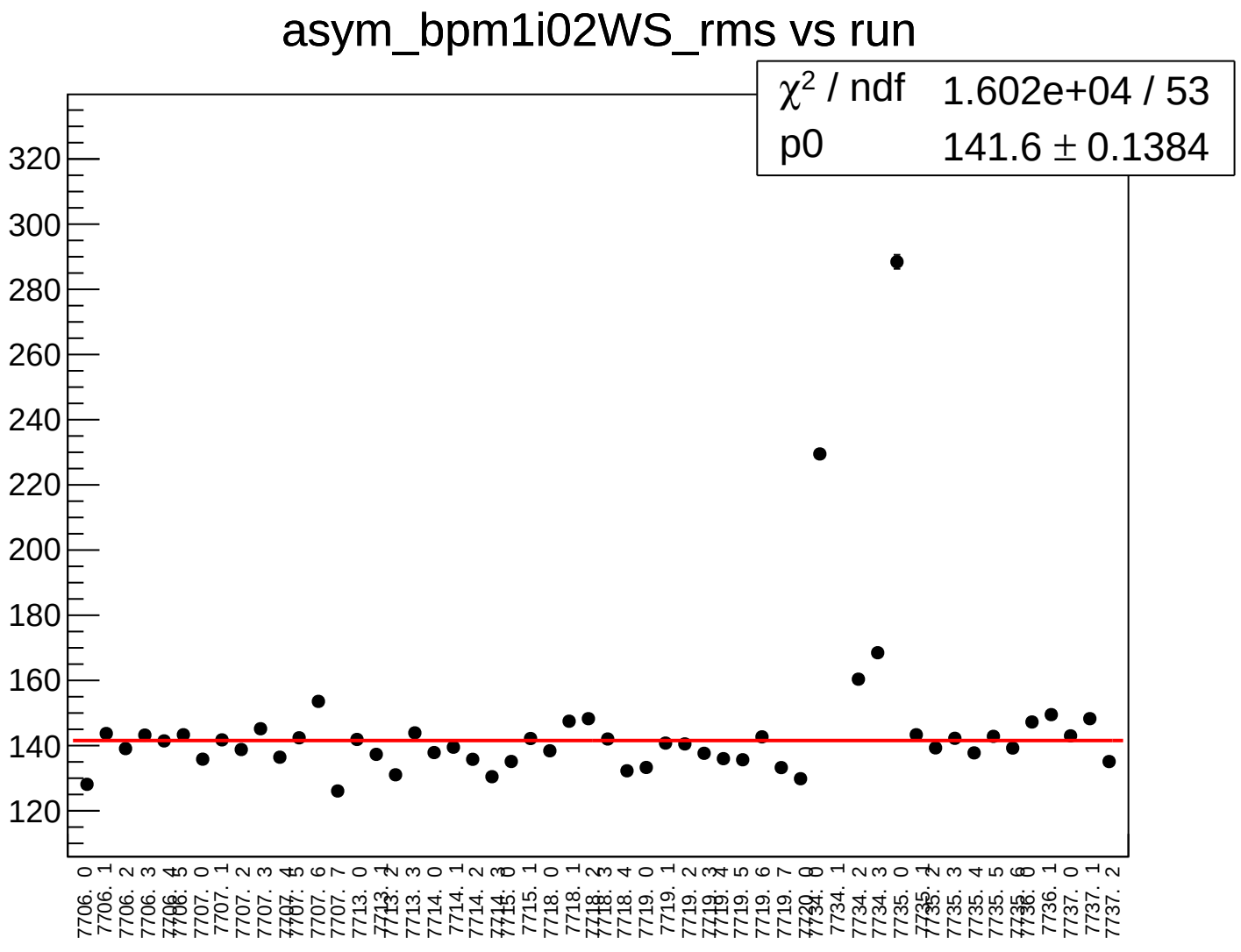

asym_bpm0i07WS_mean vs run
χ² / ndf 290.3 / 53
p0 −9322 ± 407.3
pull
Entries 54
Mean −457.5
Std Dev 0

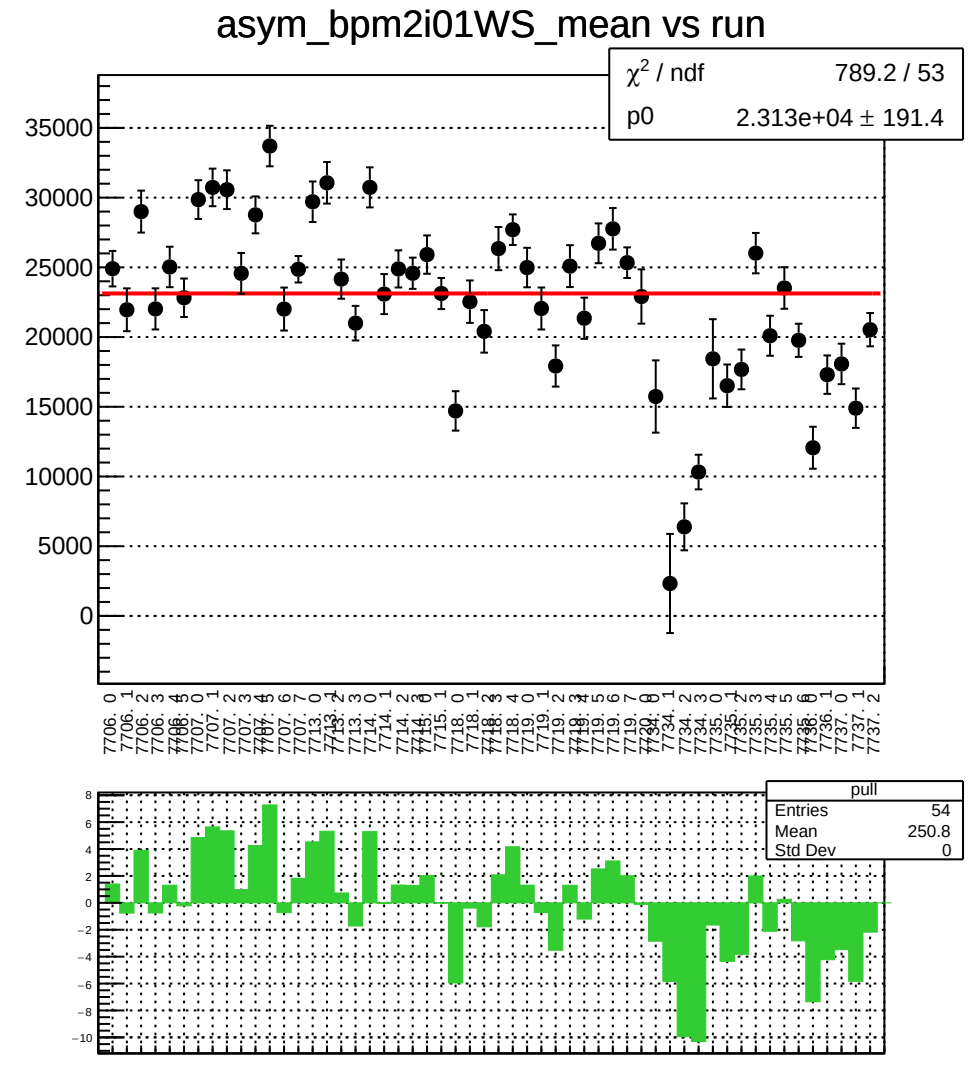

pull1D
Entries 54
Mean 0.05335
Std Dev 2.318

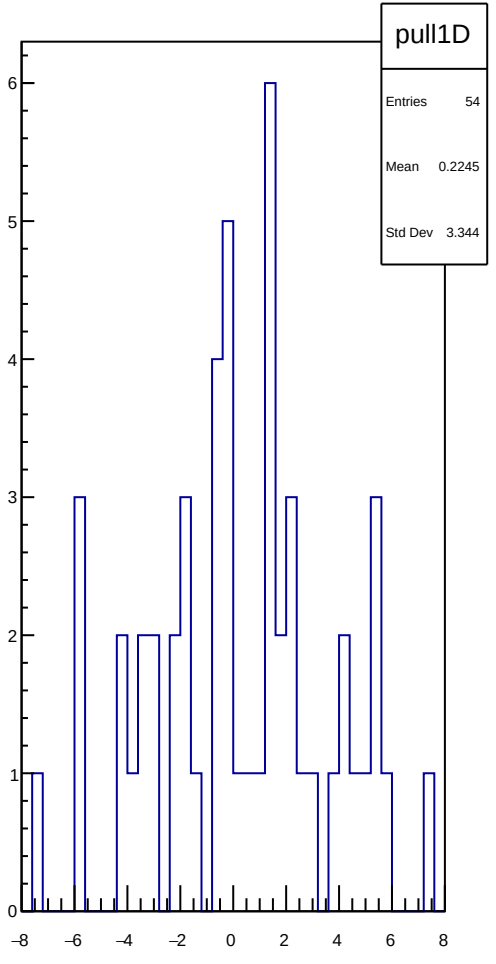

asym_bpm0i07WS_rms vs run
χ² / ndf 5235 / 53
p0 296 ± 0.288
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

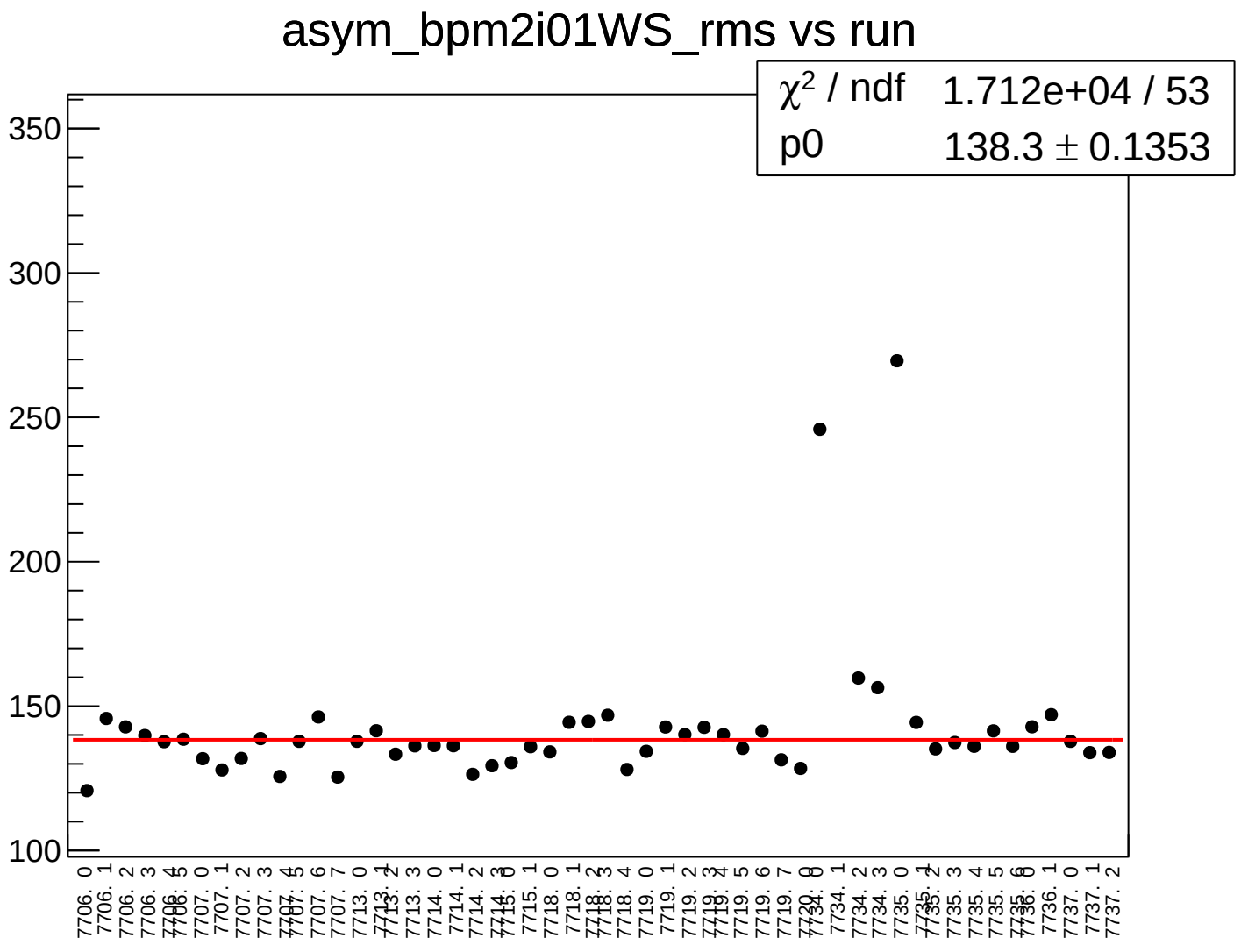

asym_bpm1i02WS_mean vs run
χ² / ndf 786.6 / 53
p0 2.399e+04 ± 195.7
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 202.1
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

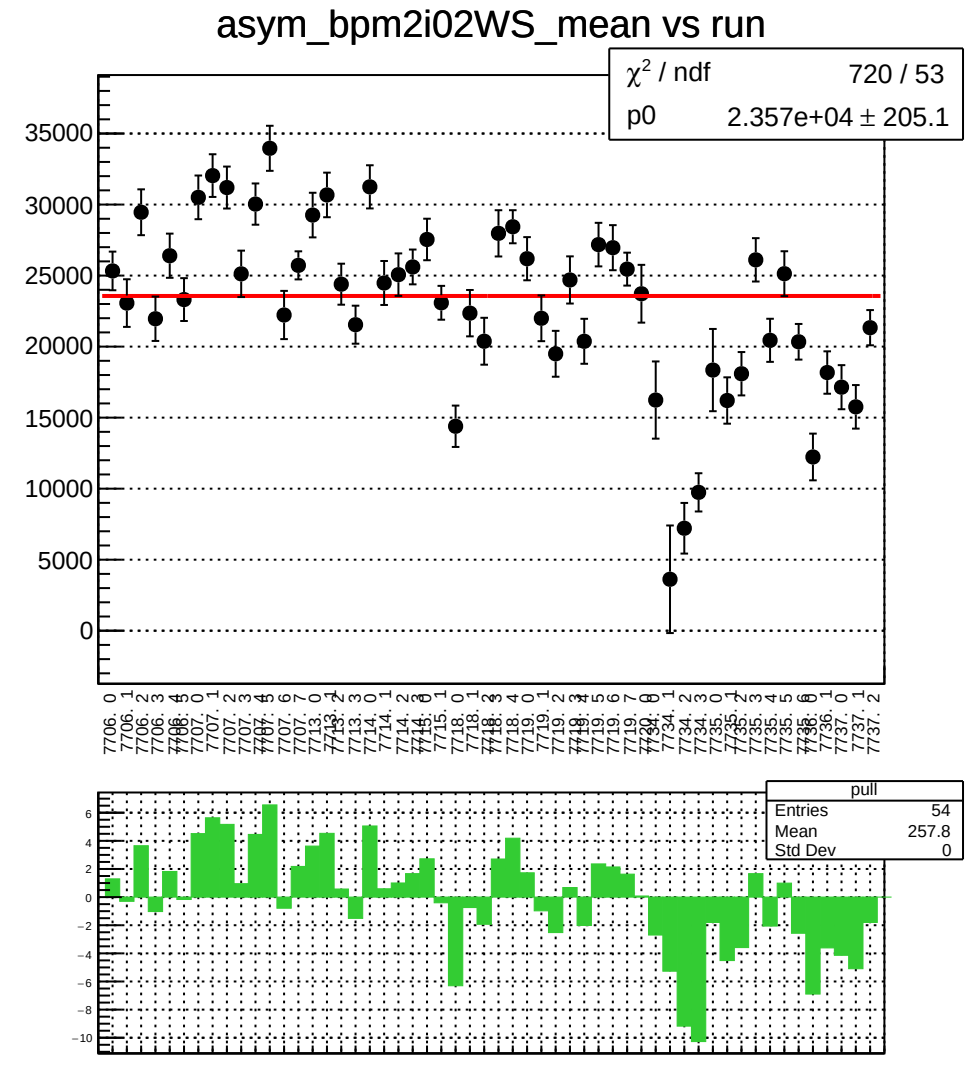

pull1D
Entries 54
Mean 0.3263
Std Dev 3.199
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

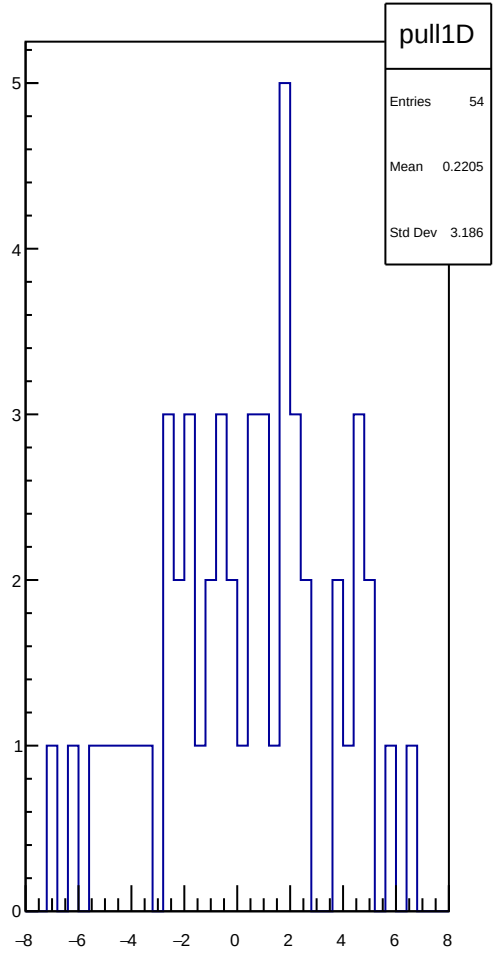

asym_bpm1i02WS_rms vs run
χ² / ndf 1.602e+04 / 53
p0 141.6 ± 0.1384
320
300
280
260
240
220
200
180
160
140
120
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

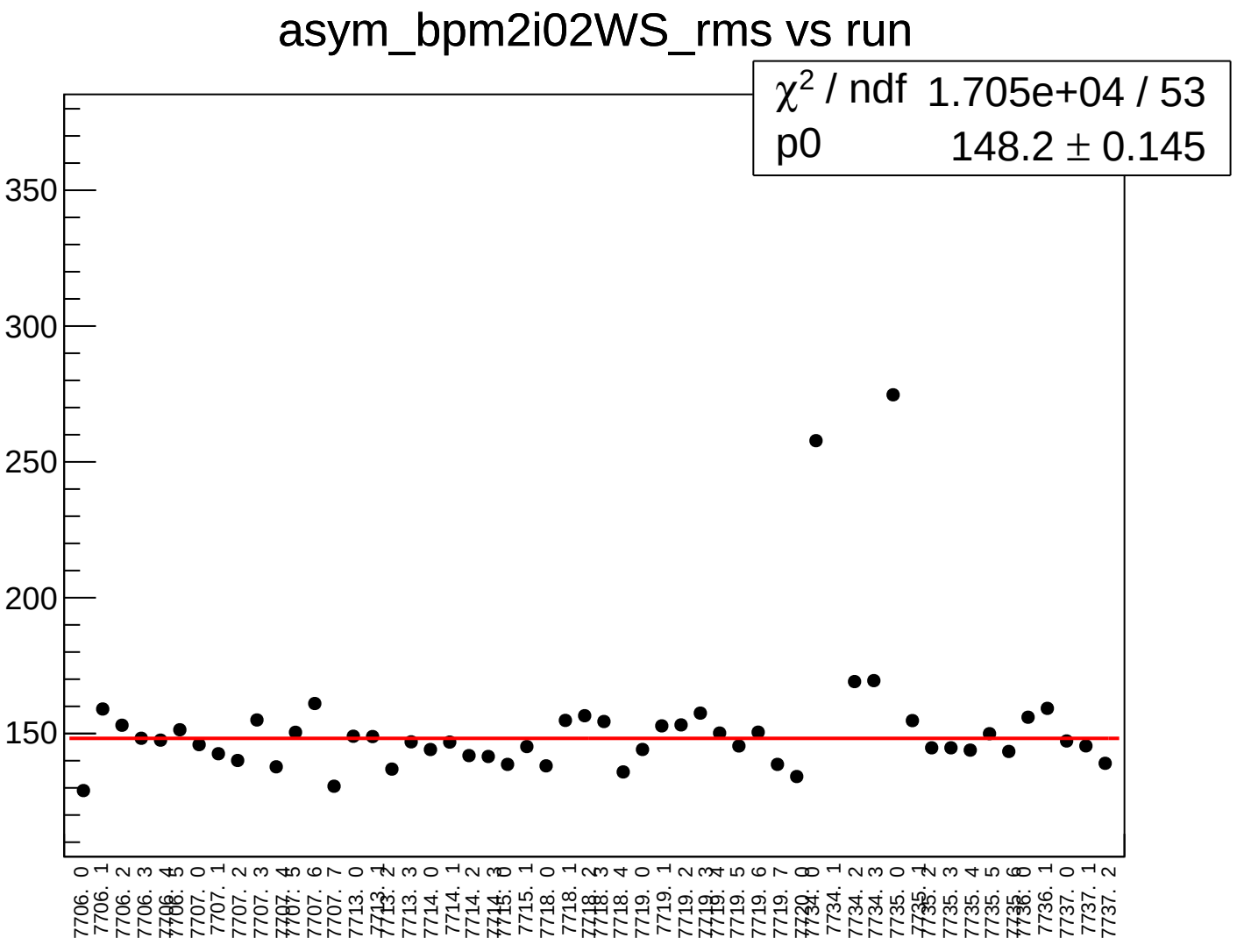

asym_bpm2i01WS_mean vs run
χ² / ndf 789.2 / 53
p0 2.313e+04 ± 191.4
pull
Entries 54
Mean 250.8
Std Dev 0

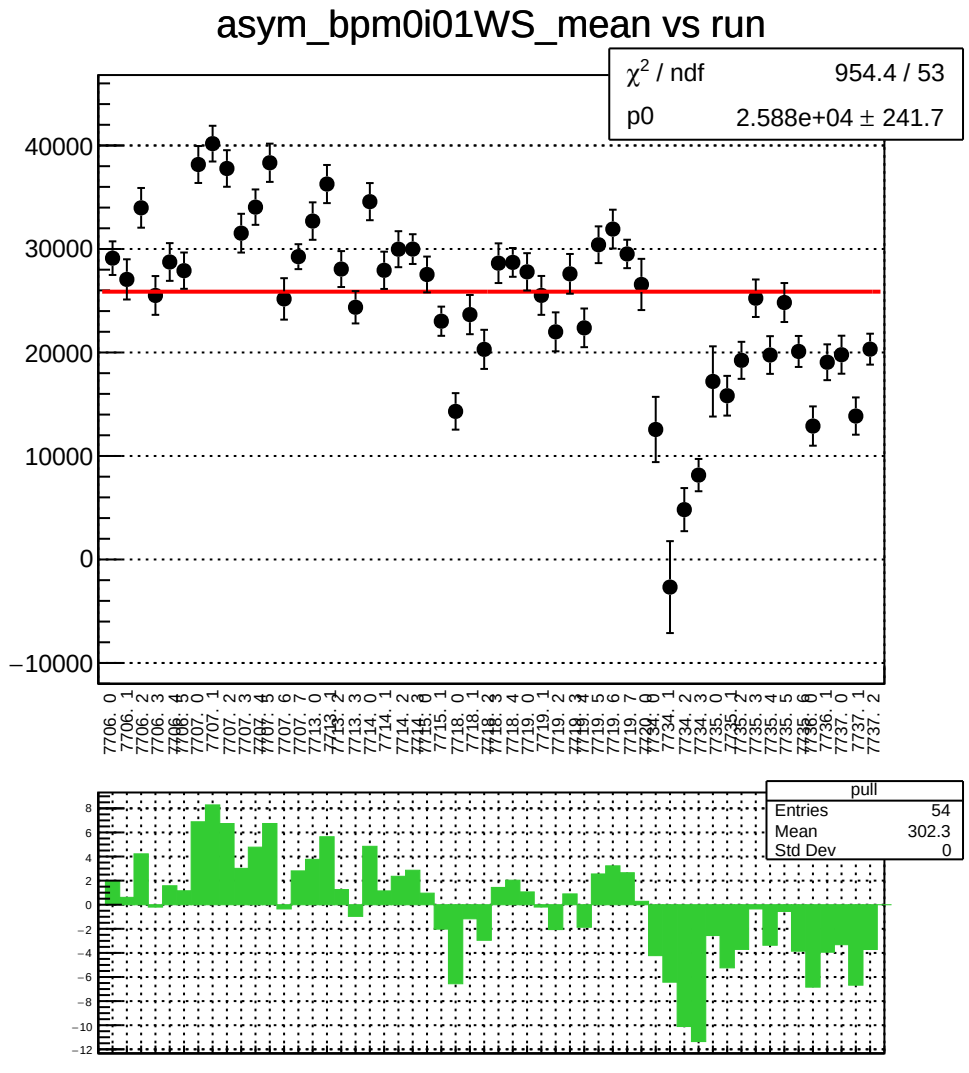

pull1D
Entries 54
Mean 0.2245
Std Dev 3.344

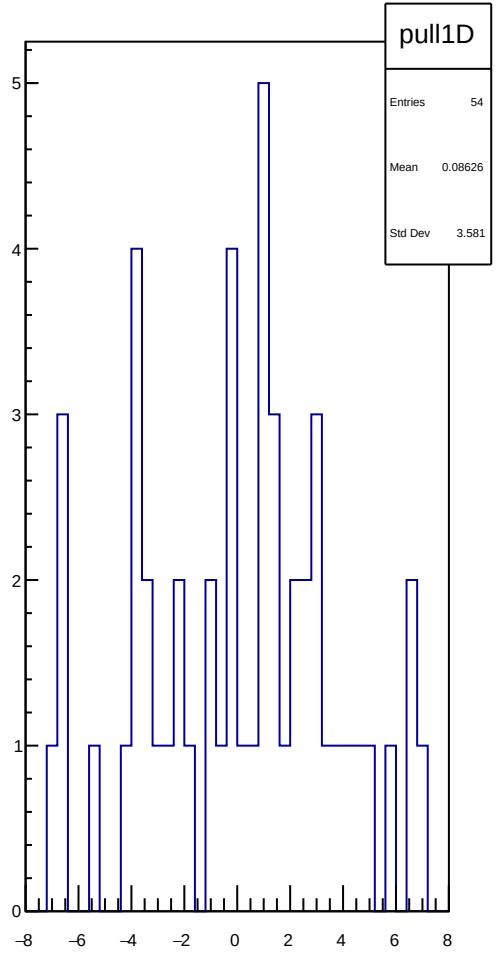

asym_bpm2i01WS_rms vs run
χ² / ndf 1.712e+04 / 53
p0 138.3 ± 0.1353
350
300
250
200
150
100

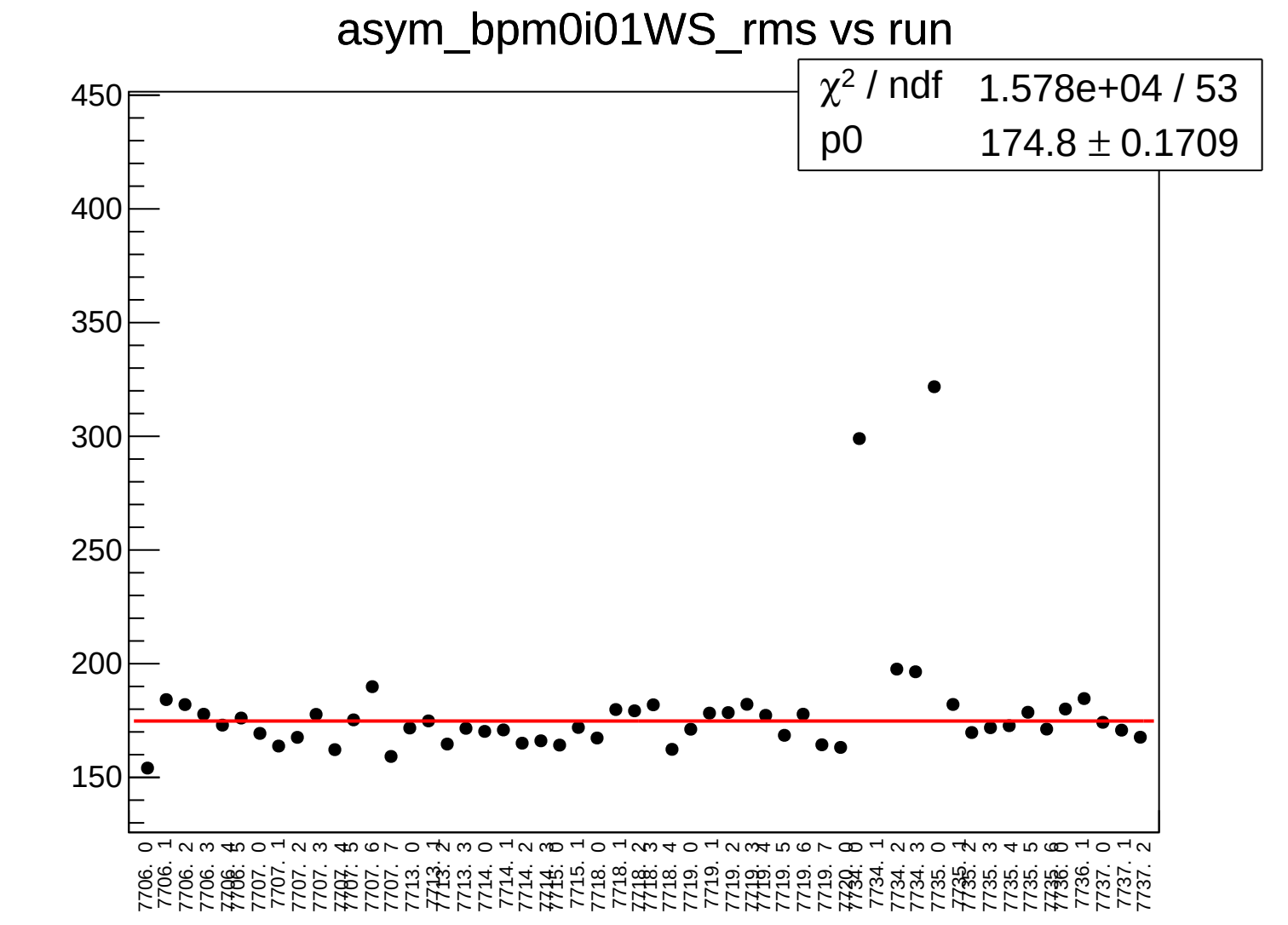

asym_bpm2i02WS_mean vs run
χ² / ndf 720 / 53
p0 2.357e+04 ± 205.1
pull
Entries 54
Mean 257.8
Std Dev 0

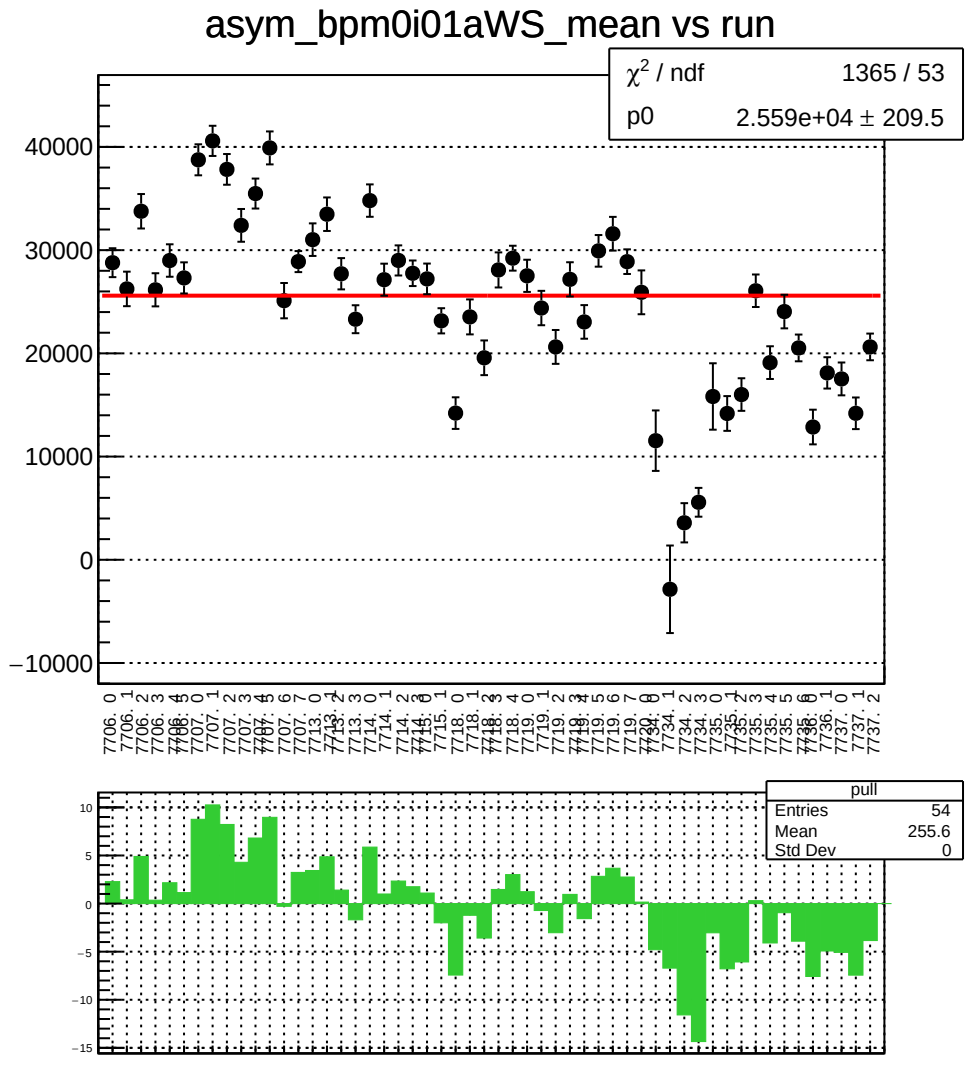

pull1D
Entries 54
Mean 0.2205
Std Dev 3.186

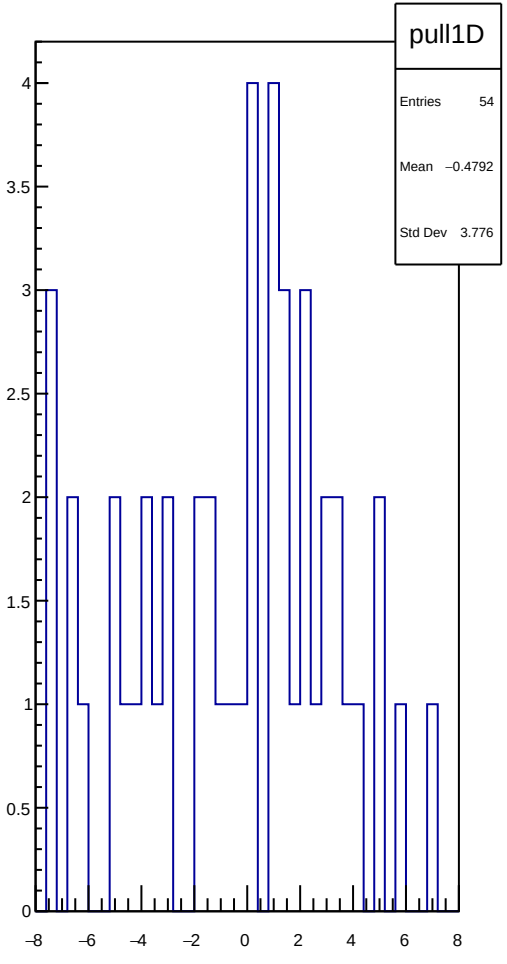

asym_bpm2i02WS_rms vs run
χ^2 / ndf 1.705e+04 / 53
p0 148.2 ± 0.145
350
300
250
200
150

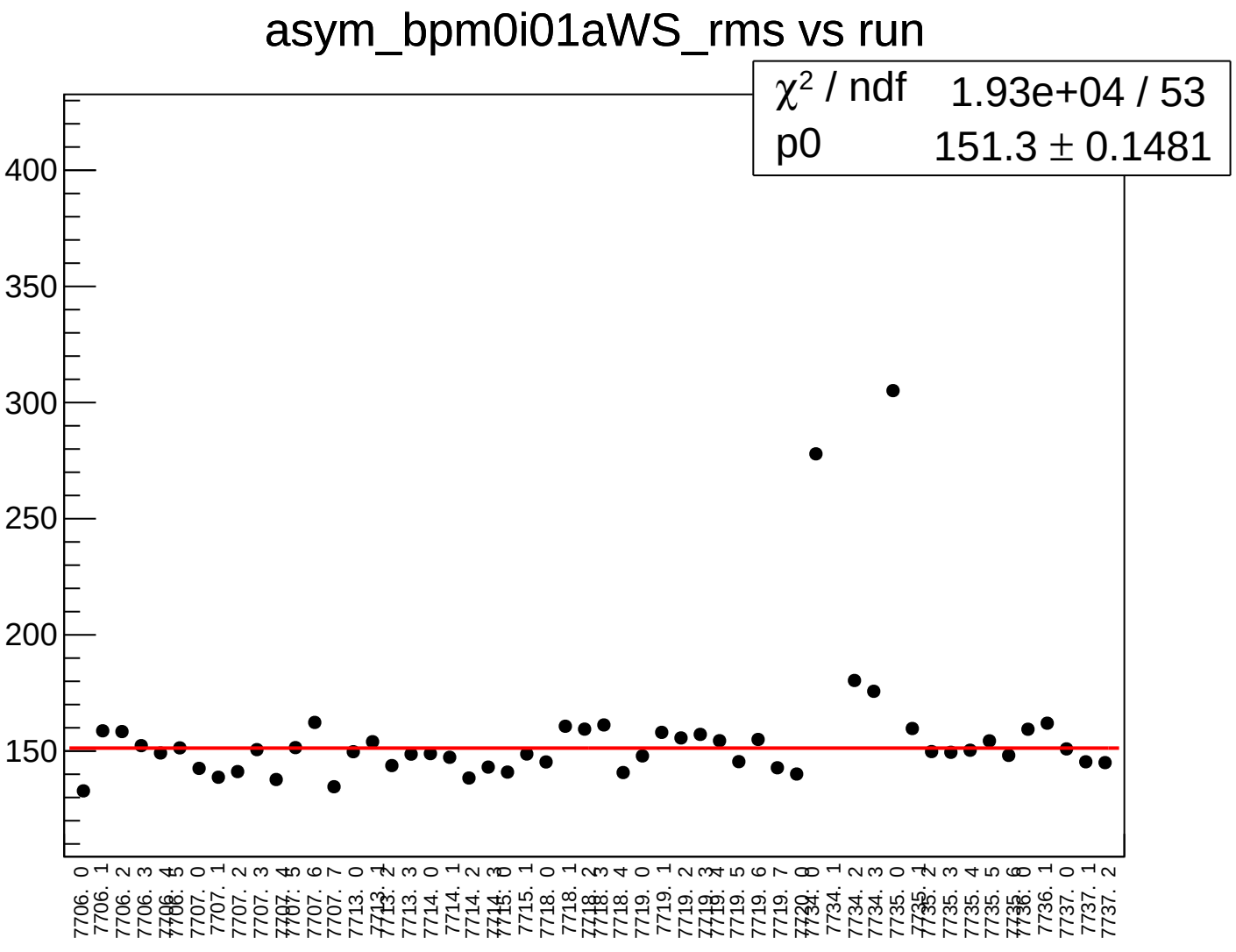

asym_bpm0i01WS_mean vs run
χ² / ndf 954.4 / 53
p0 2.588e+04 ± 241.7
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 302.3
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

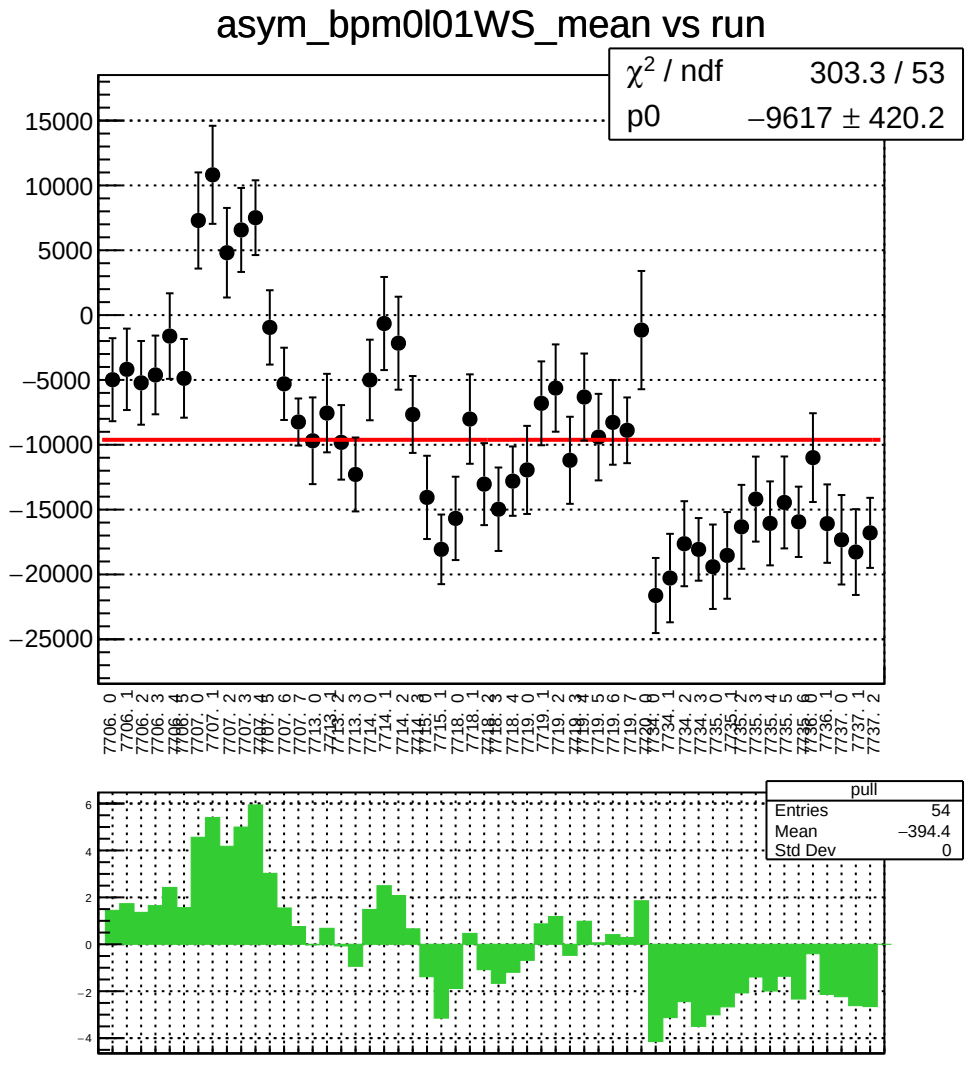

pull1D
Entries 54
Mean 0.08626
Std Dev 3.581
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

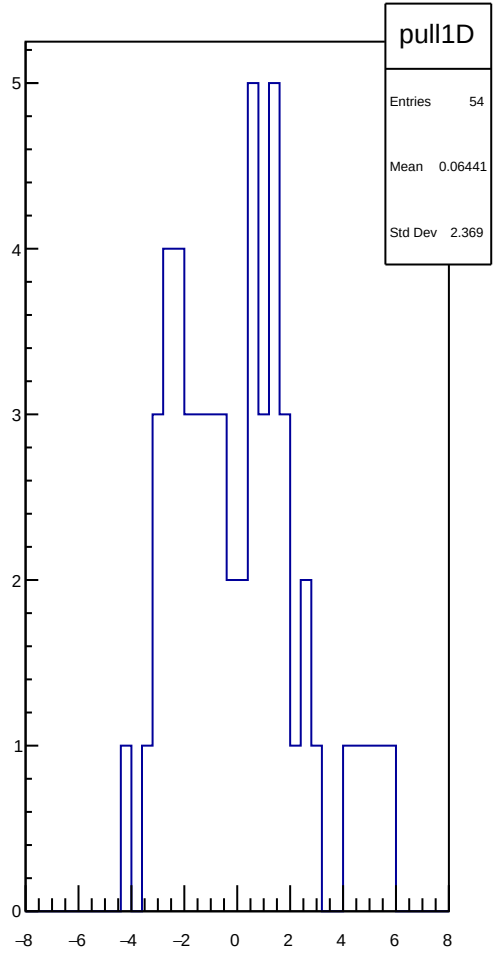

asym_bpm0i01WS_rms vs run
χ² / ndf 1.578e+04 / 53
p0 174.8 ± 0.1709
450
400
350
300
250
200
150
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

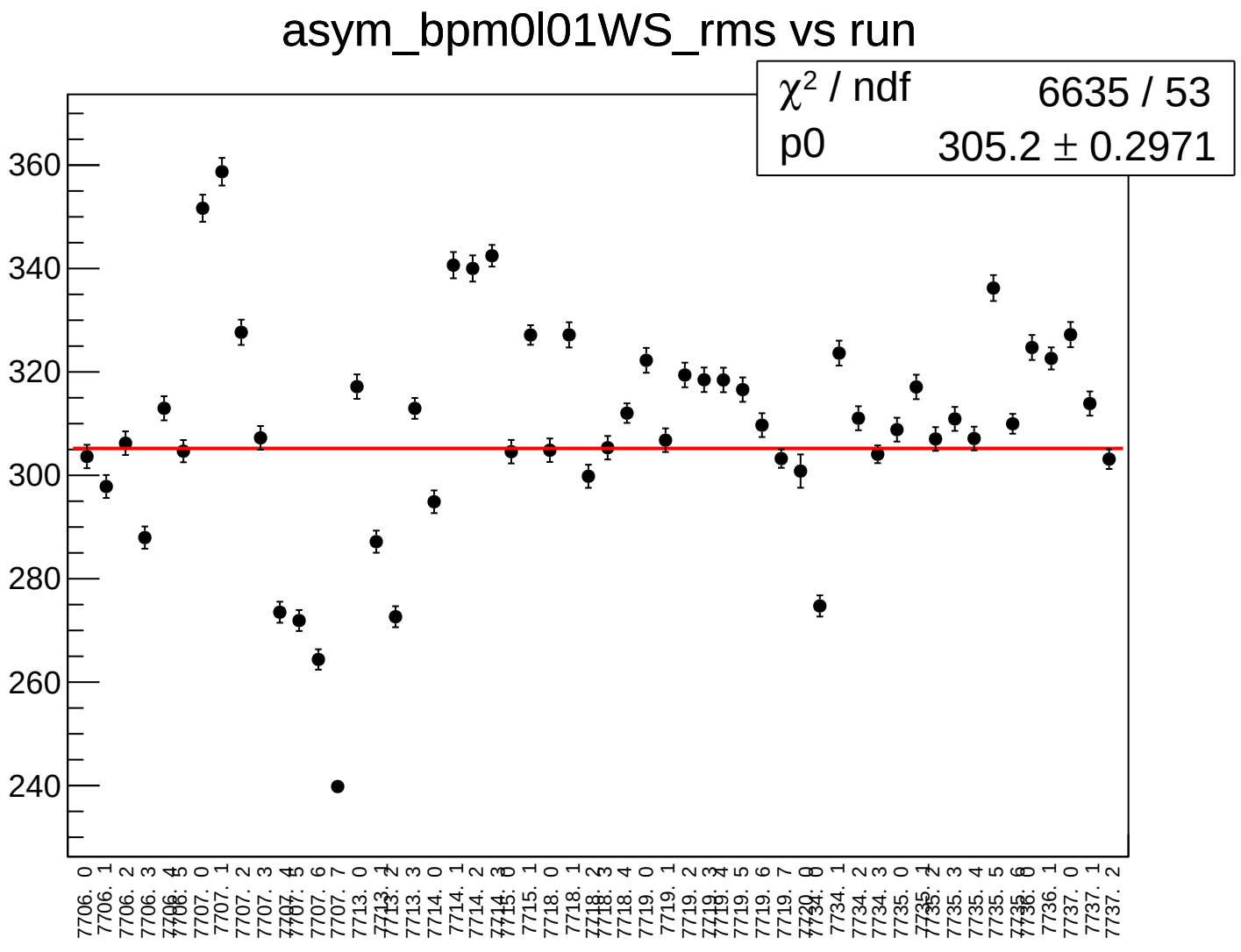

asym_bpm0i01aWS_mean vs run
χ² / ndf 1365 / 53
p0 2.559e+04 ± 209.5
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 255.6
Std Dev 0
10
5
0
−5
−10
−15

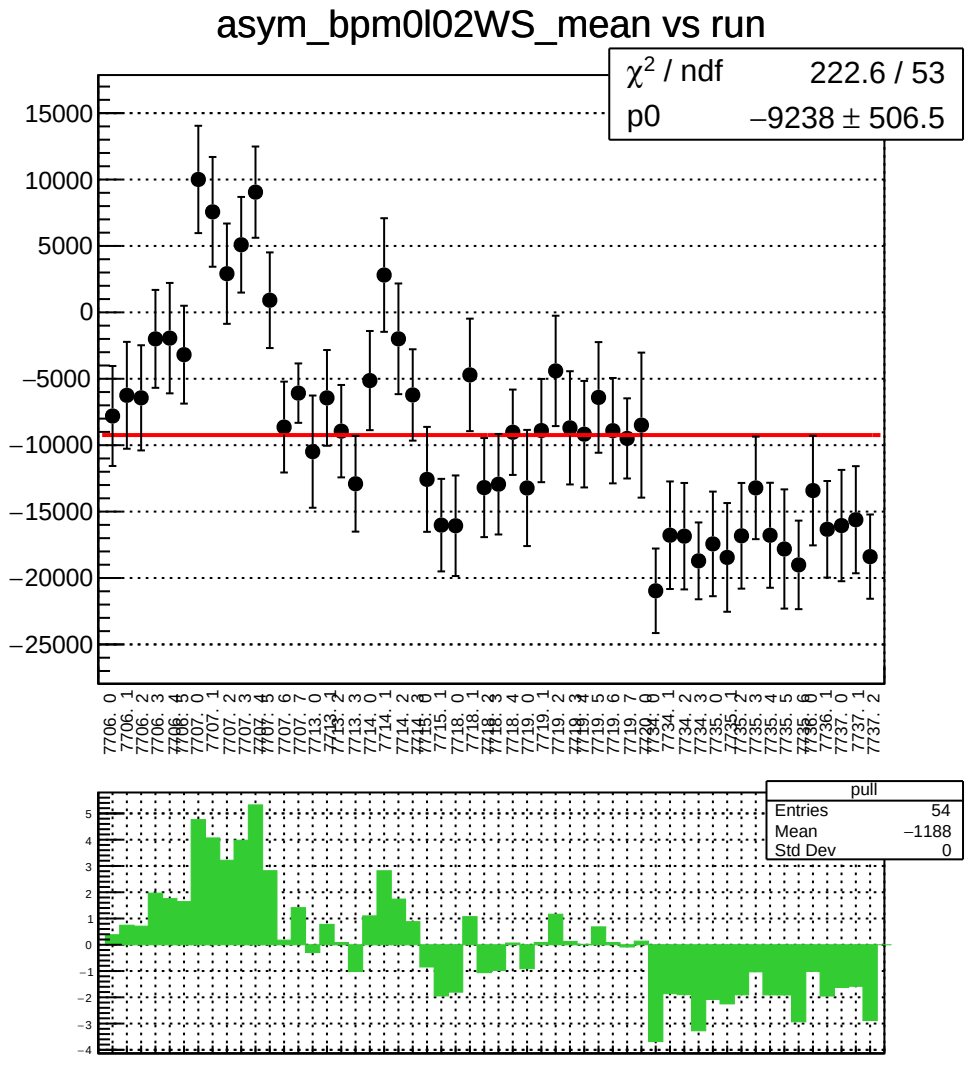

pull1D
Entries 54
Mean −0.4792
Std Dev 3.776
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

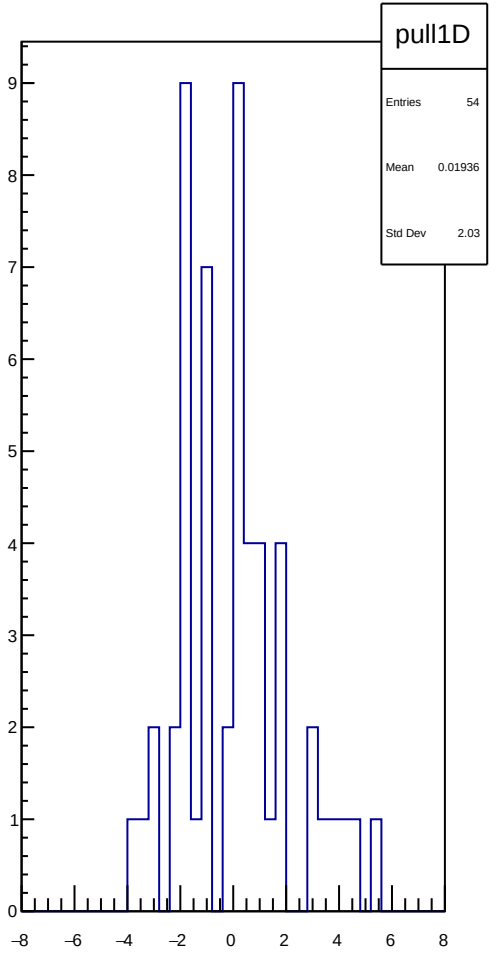

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.93e+04 / 53
p0 151.3 ± 0.1481
400
350
300
250
200
150

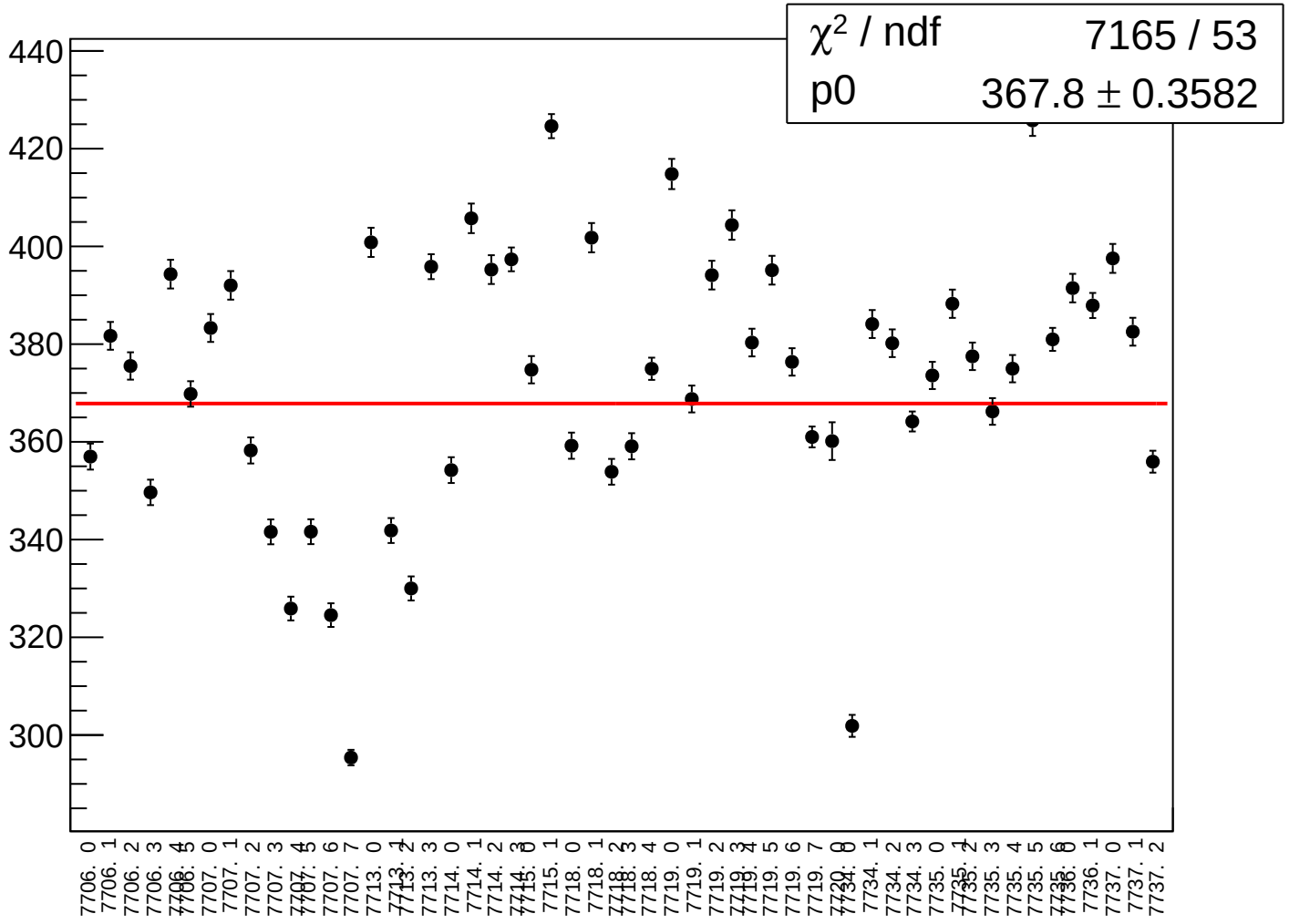

asym_bpm0l01WS_mean vs run
χ² / ndf 303.3 / 53
p0 −9617 ± 420.2
pull
Entries 54
Mean −394.4
Std Dev 0

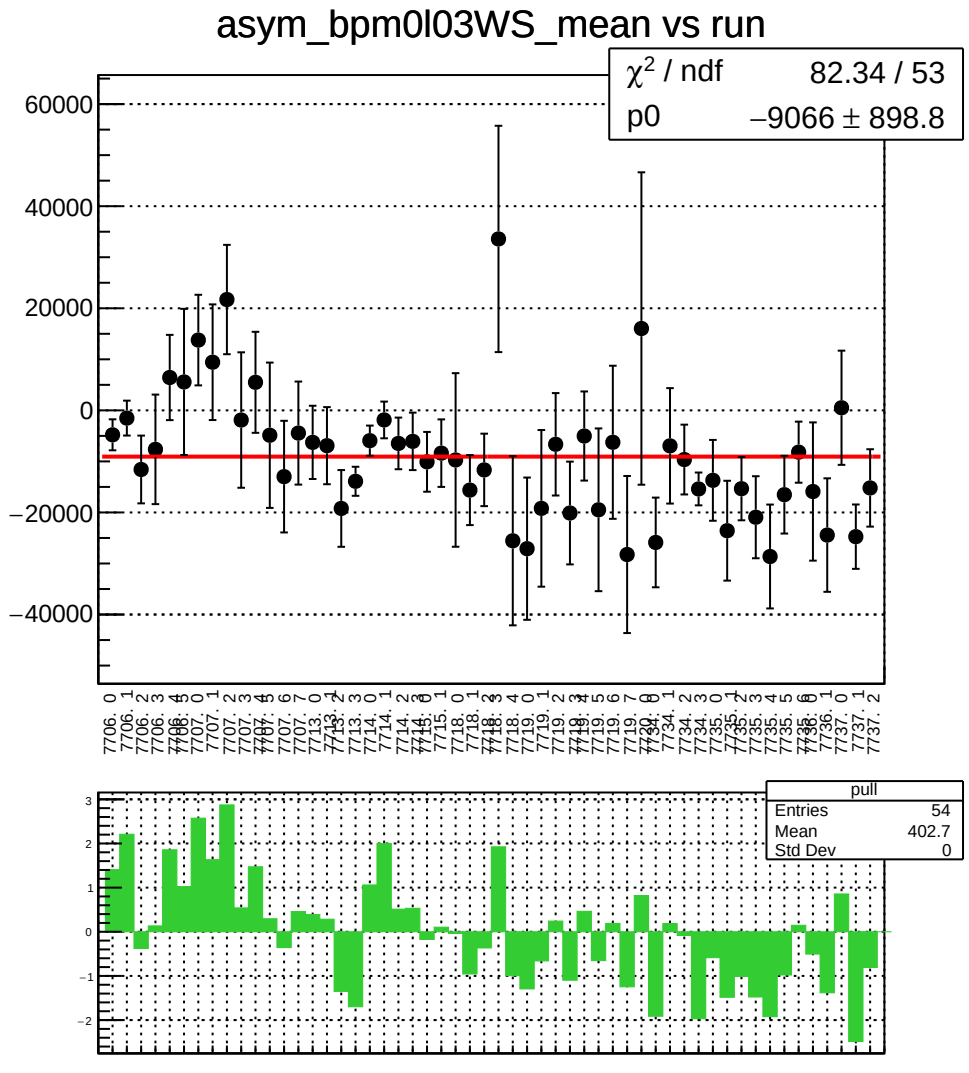

pull1D
Entries 54
Mean 0.06441
Std Dev 2.369

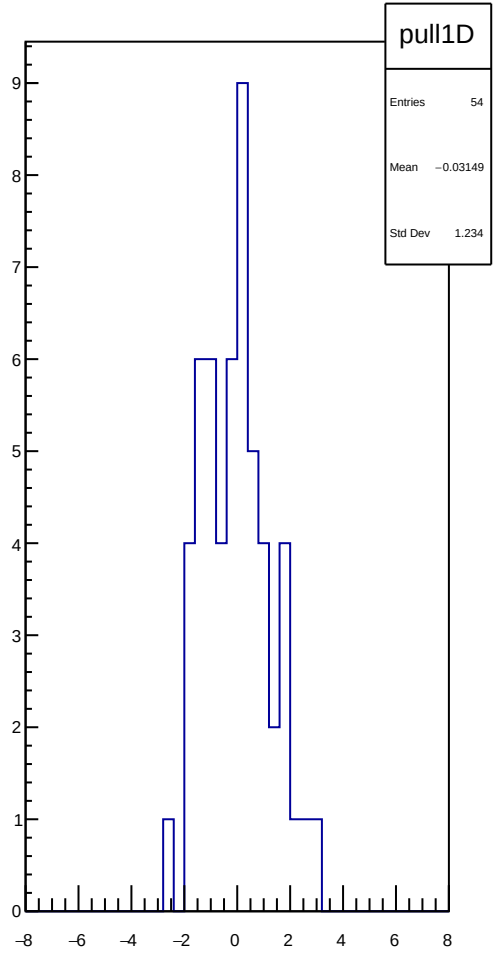

asym_bpm0l01WS_rms vs run
χ² / ndf 6635 / 53
p0 305.2 ± 0.2971
360
340
320
300
280
260
240

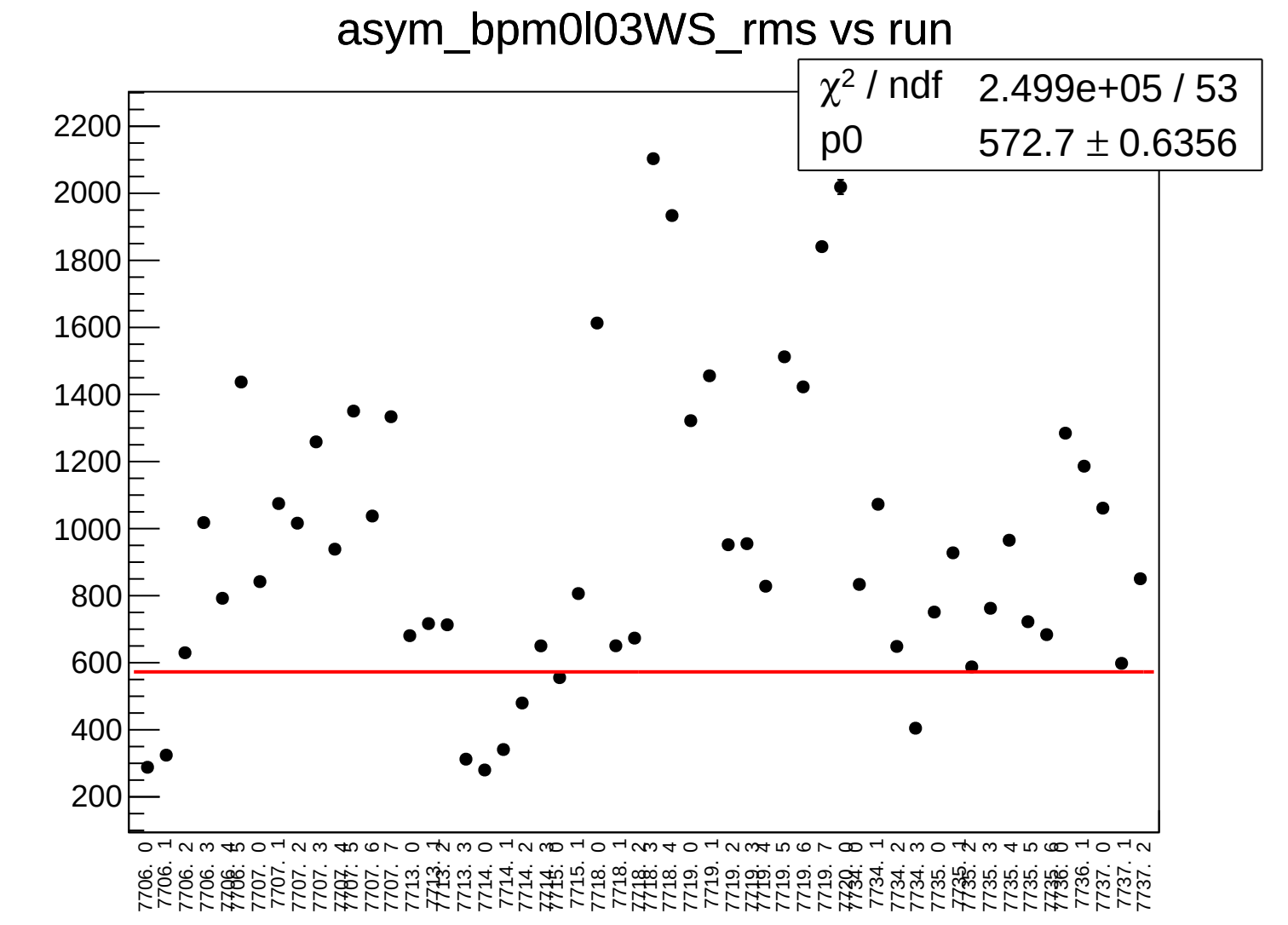

asym_bpm0l02WS_mean vs run
χ² / ndf 222.6 / 53
p0 −9238 ± 506.5
pull
Entries 54
Mean −1188
Std Dev 0

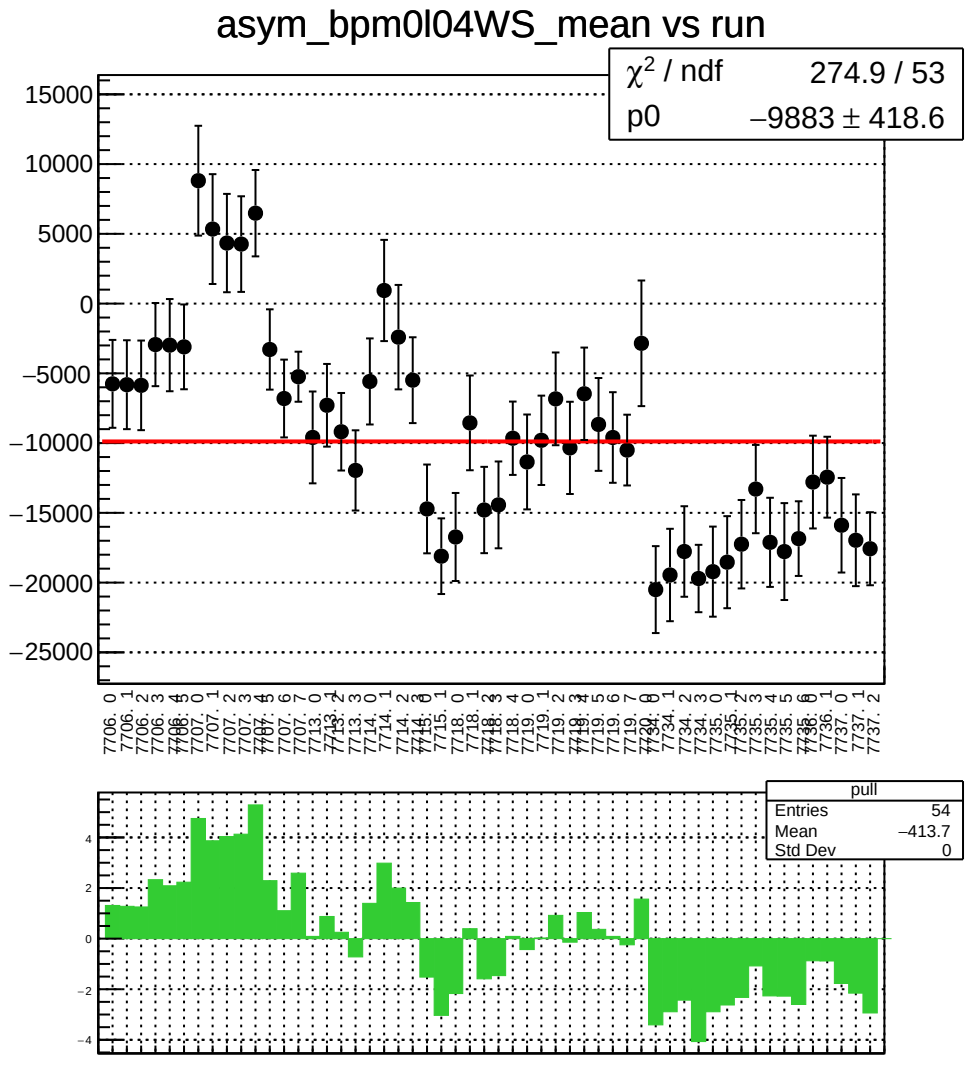

pull1D
Entries 54
Mean 0.01936
Std Dev 2.03

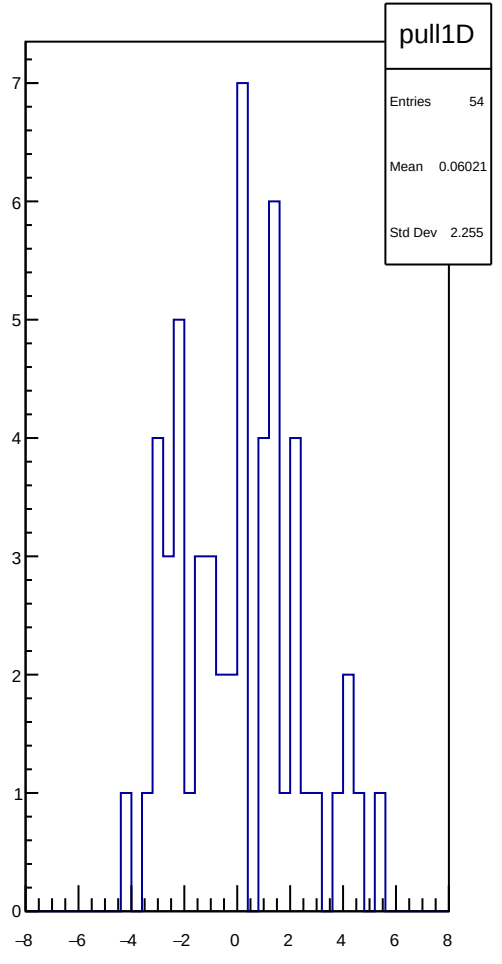

asym_bpm0l02WS_rms vs run
χ² / ndf 7165 / 53
p0 367.8 ± 0.3582
440
420
400
380
360
340
320
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

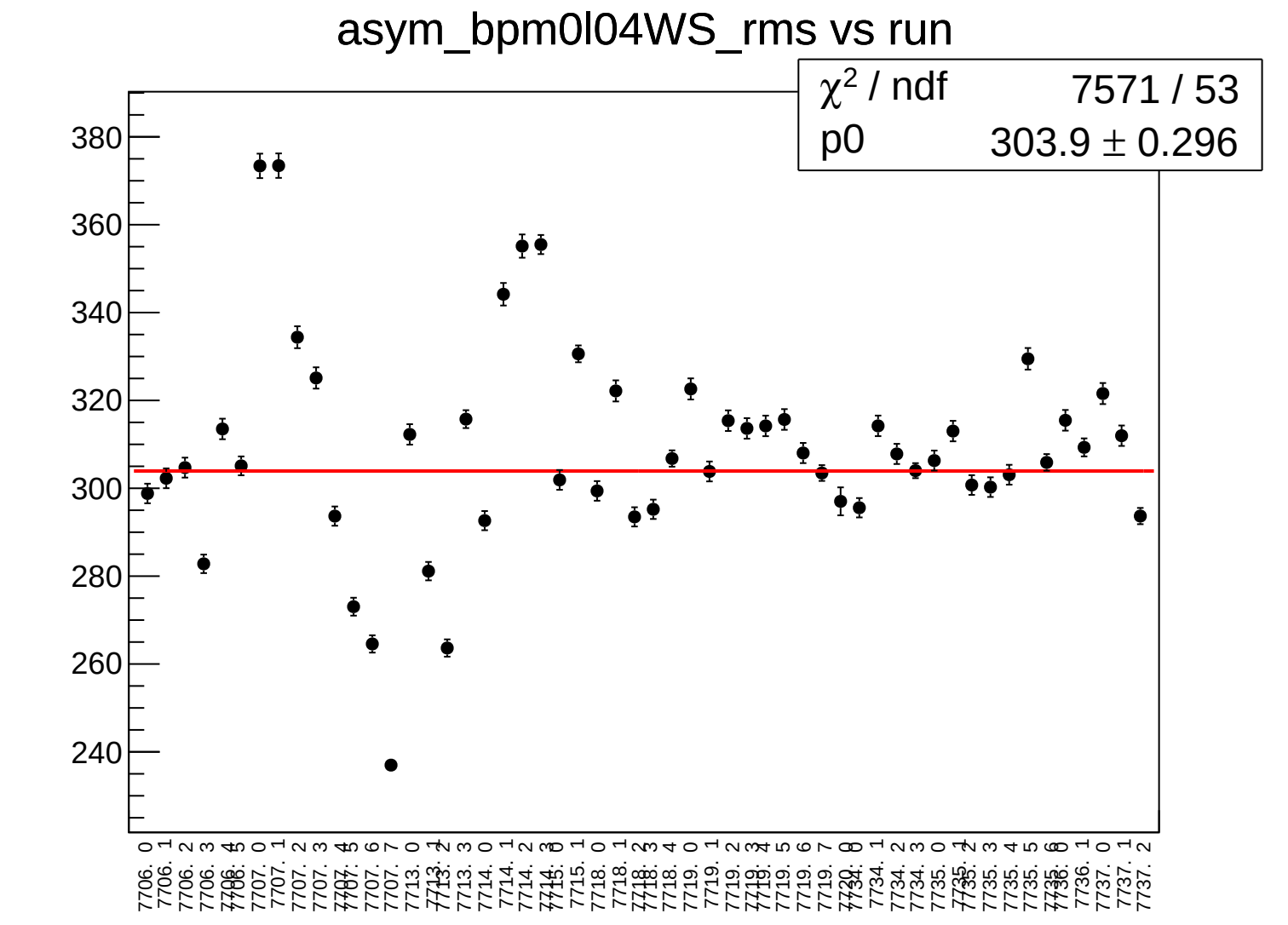

asym_bpm0l03WS_mean vs run
χ² / ndf 82.34 / 53
p0 −9066 ± 898.8
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 402.7
Std Dev 0
3
2
1
0
−1
−2

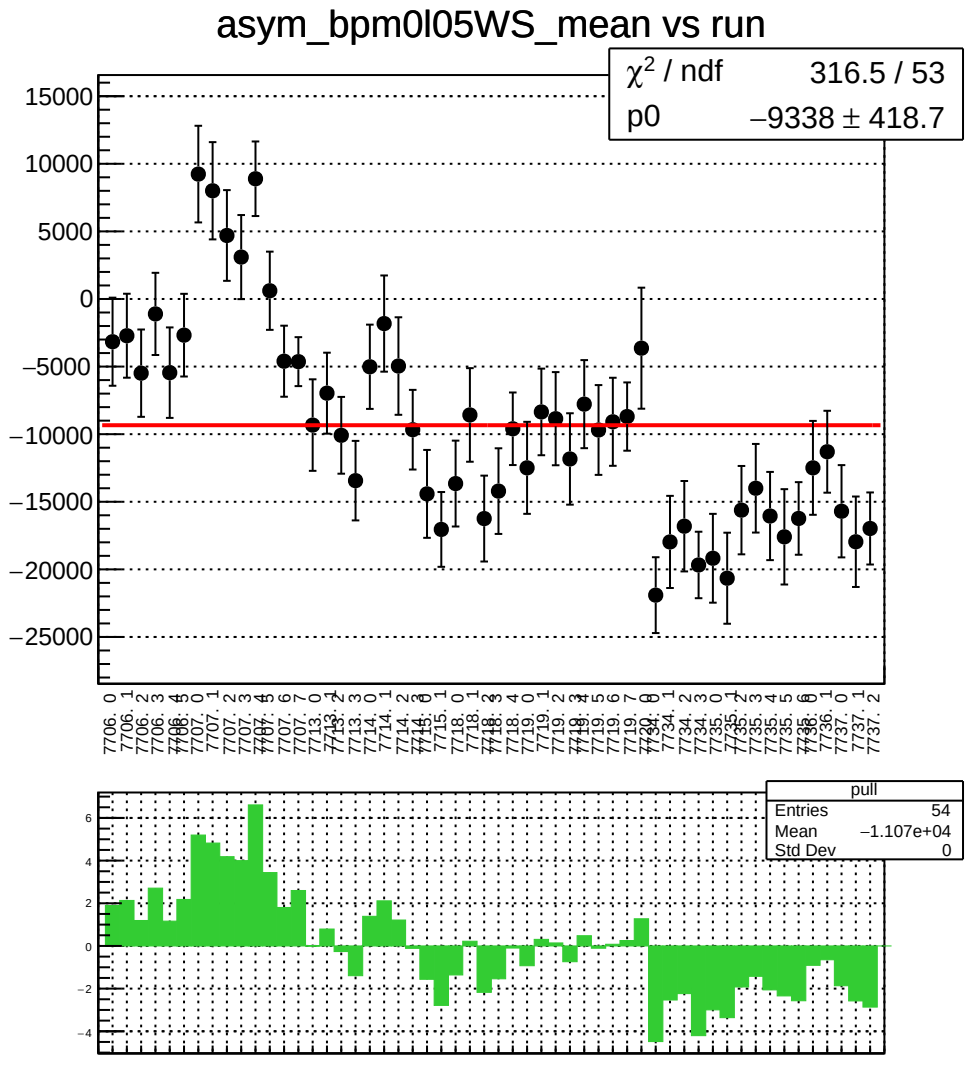

pull1D
Entries 54
Mean −0.03149
Std Dev 1.234
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

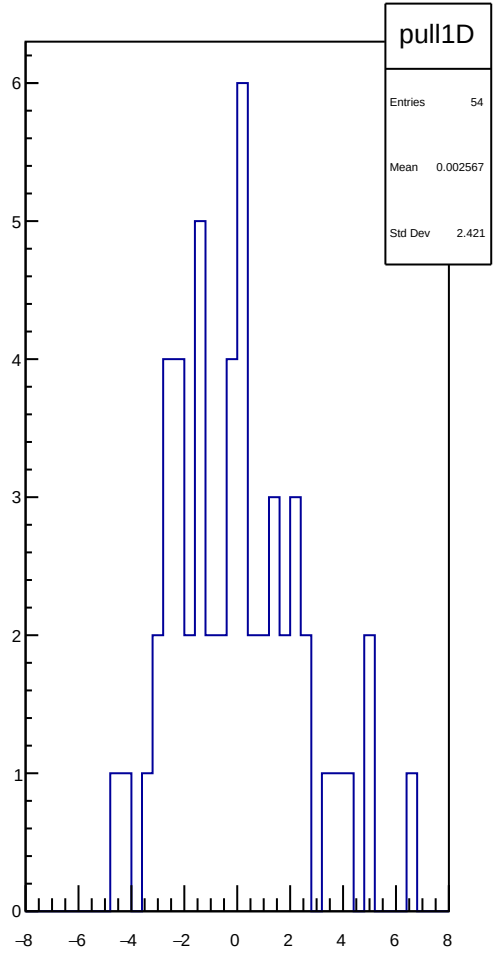

asym_bpm0l03WS_rms vs run
χ^2 / ndf 2.499e+05 / 53
p0 572.7 ± 0.6356
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

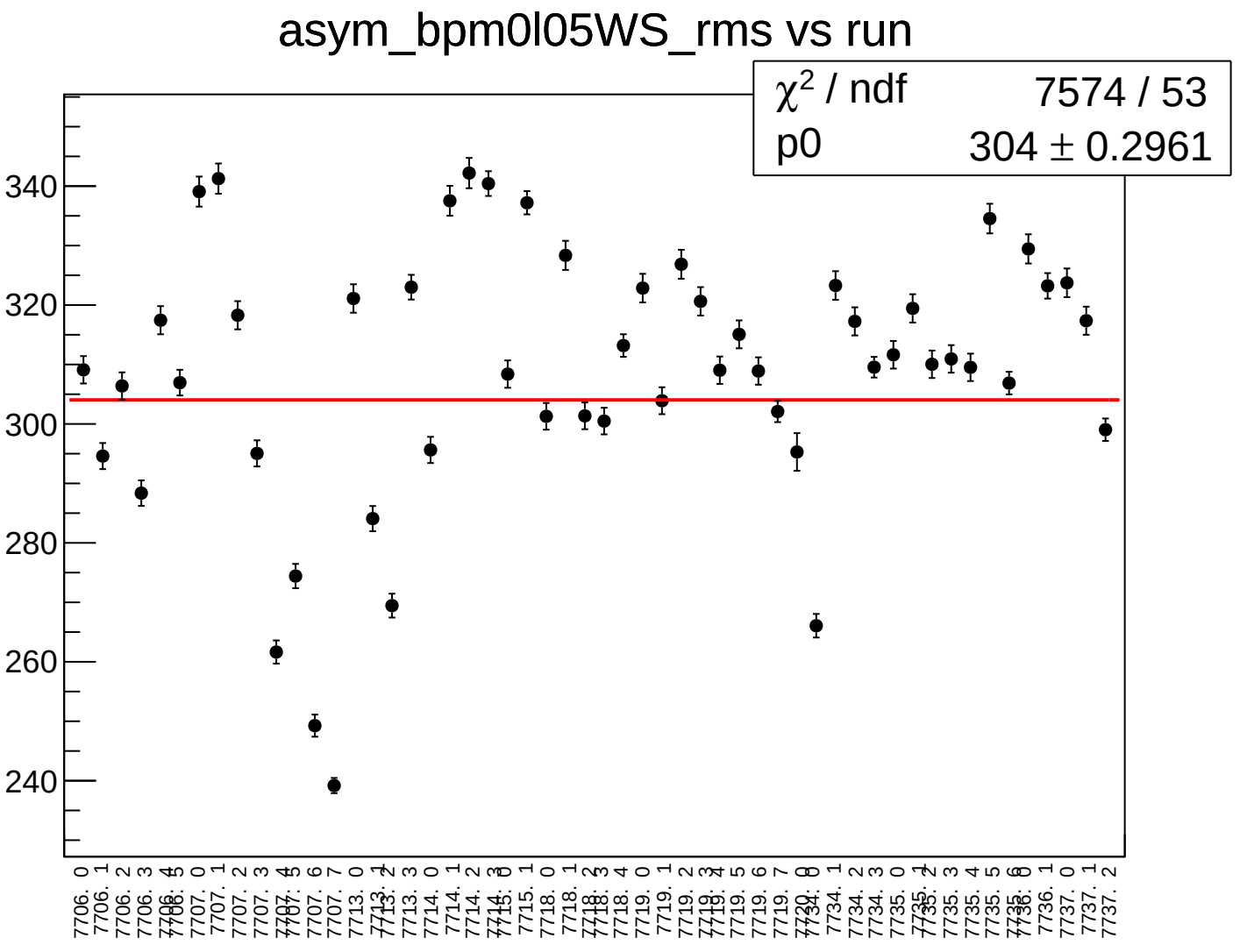

asym_bpm0l04WS_mean vs run
χ² / ndf 274.9 / 53
p0 −9883 ± 418.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 54
Mean −413.7
Std Dev 0
4
2
0
−2
−4

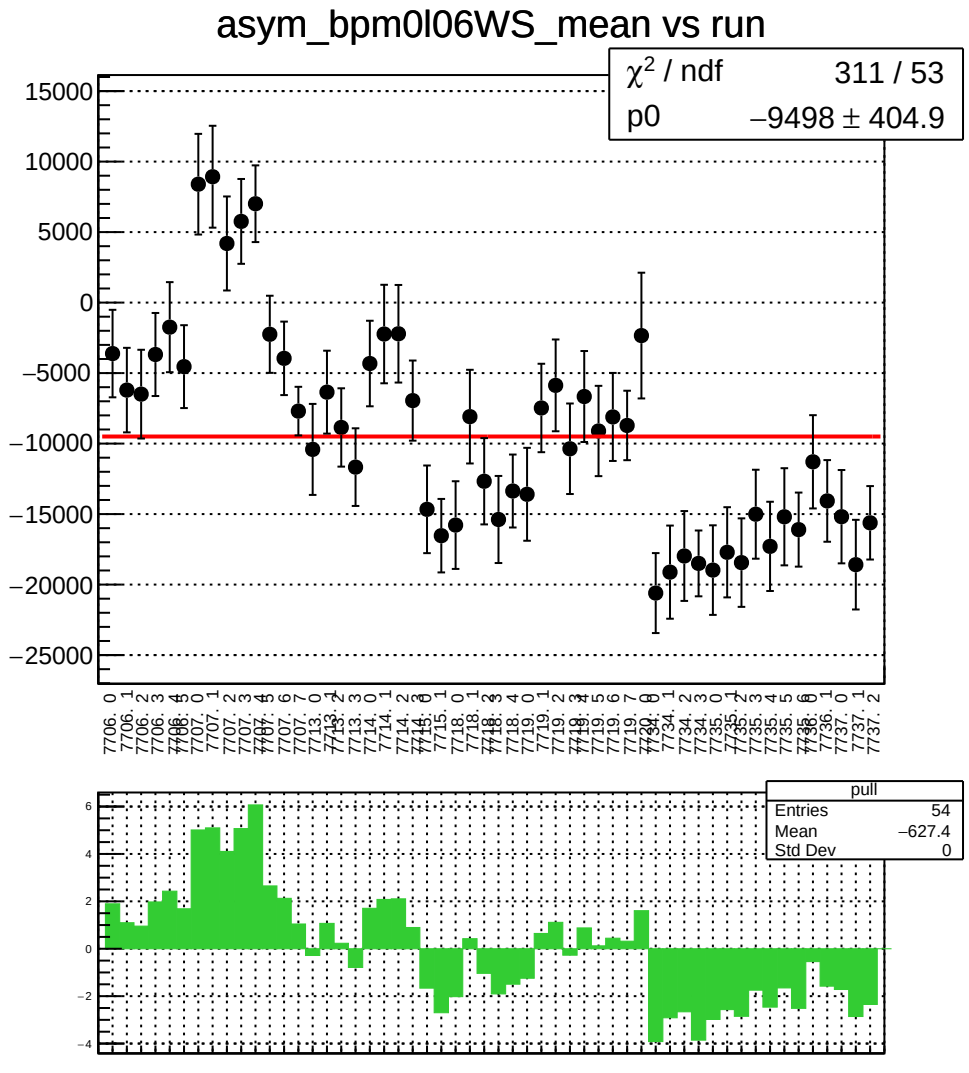

pull1D
Entries 54
Mean 0.06021
Std Dev 2.255
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

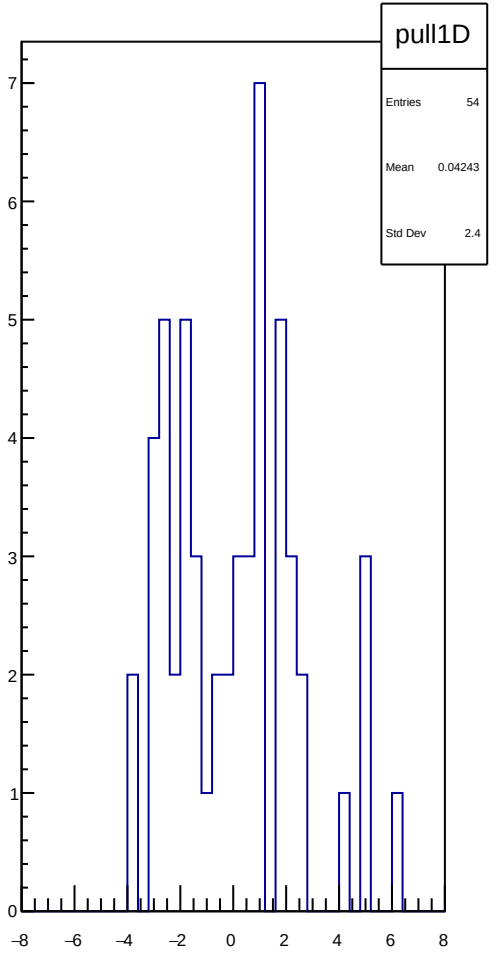

asym_bpm0l04WS_rms vs run
χ² / ndf 7571 / 53
p0 303.9 ± 0.296
380
360
340
320
300
280
260
240
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

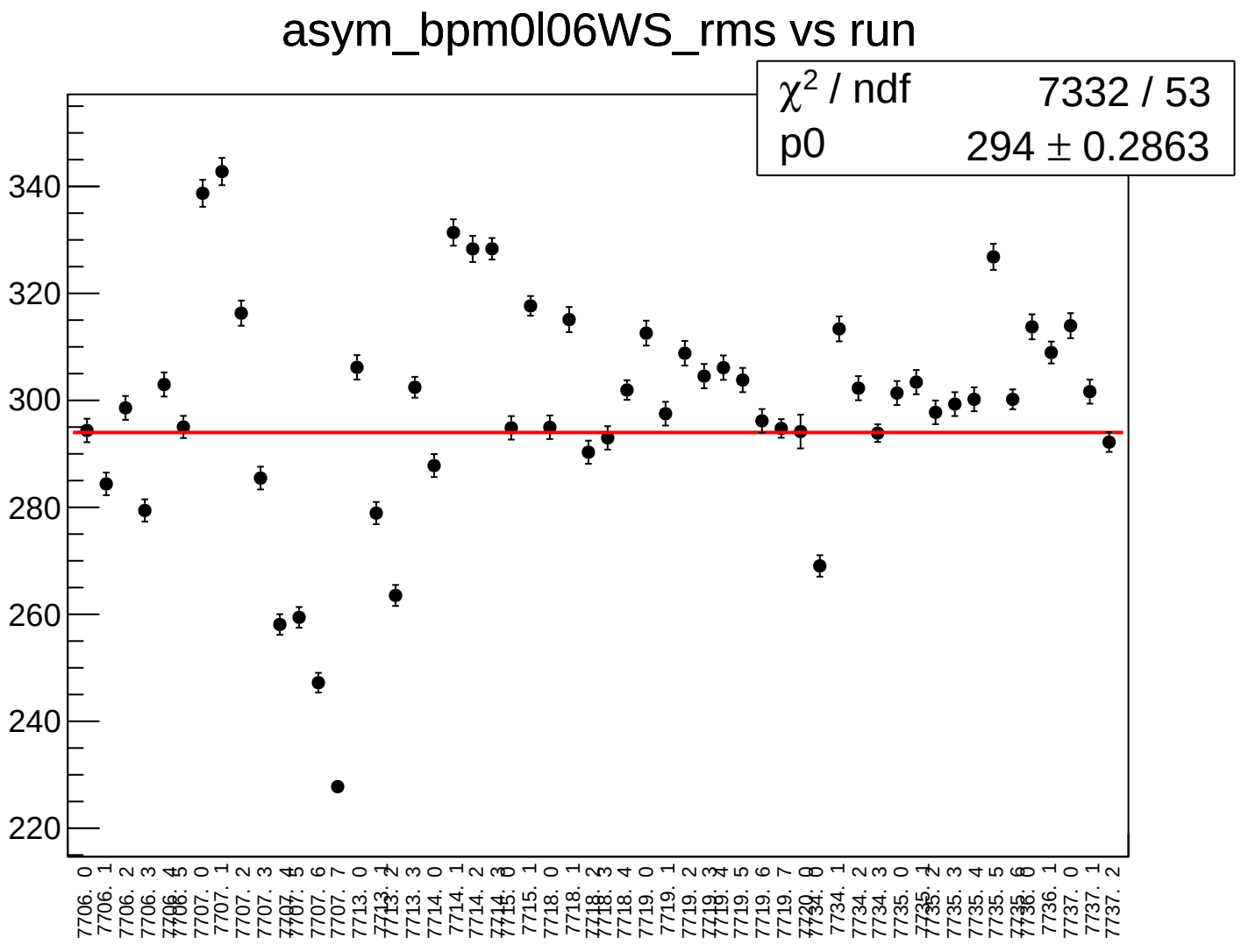

asym_bpm0l05WS_mean vs run
χ² / ndf 316.5 / 53
p0 −9338 ± 418.7
pull
Entries 54
Mean −1.107e+04
Std Dev 0

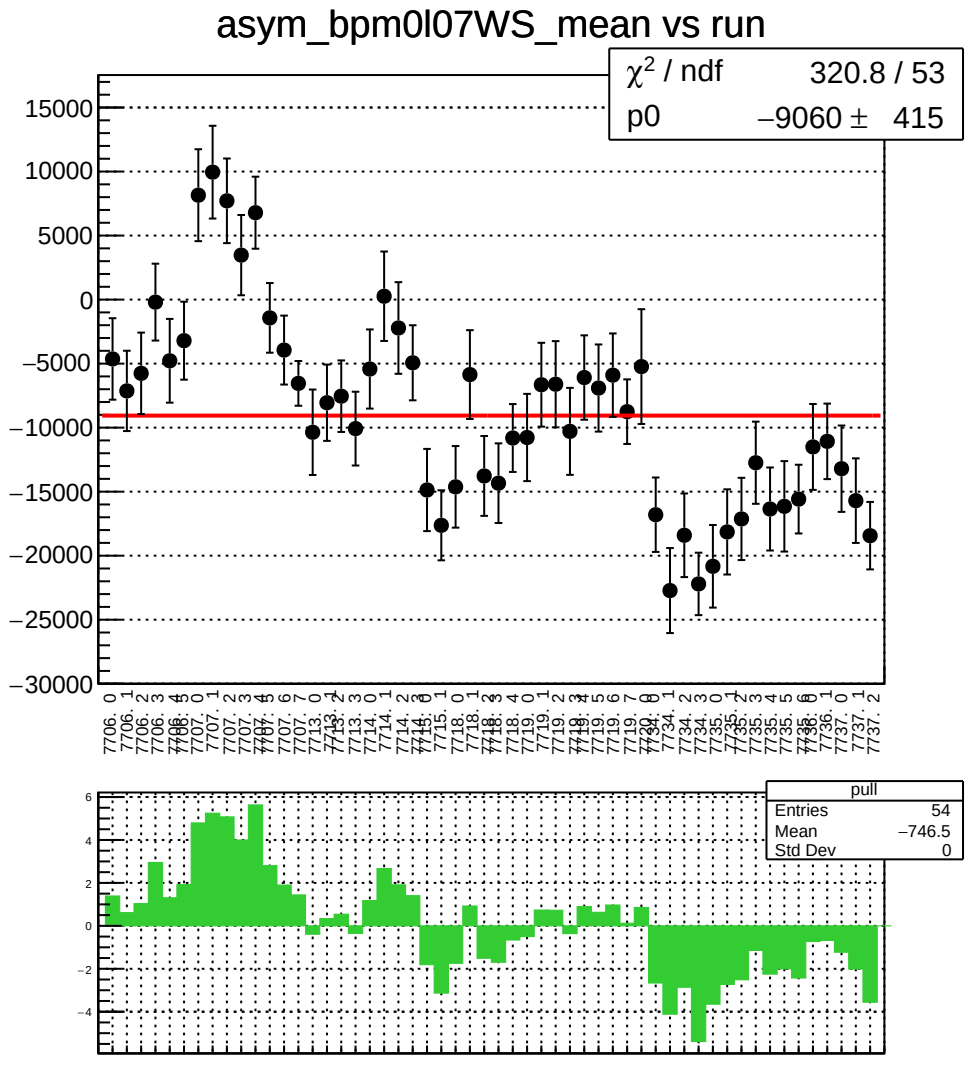

pull1D
Entries 54
Mean 0.002567
Std Dev 2.421

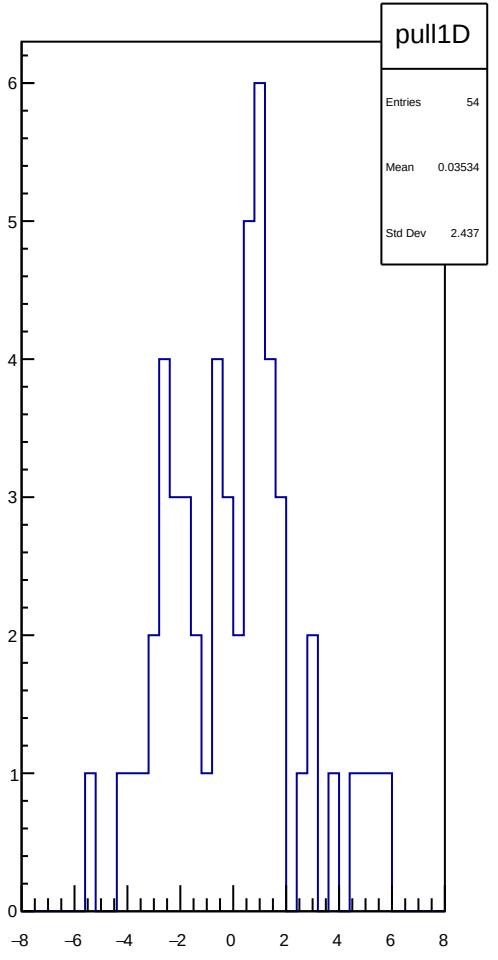

asym_bpm0l05WS_rms vs run
χ² / ndf 7574 / 53
p0 304 ± 0.2961
340
320
300
280
260
240

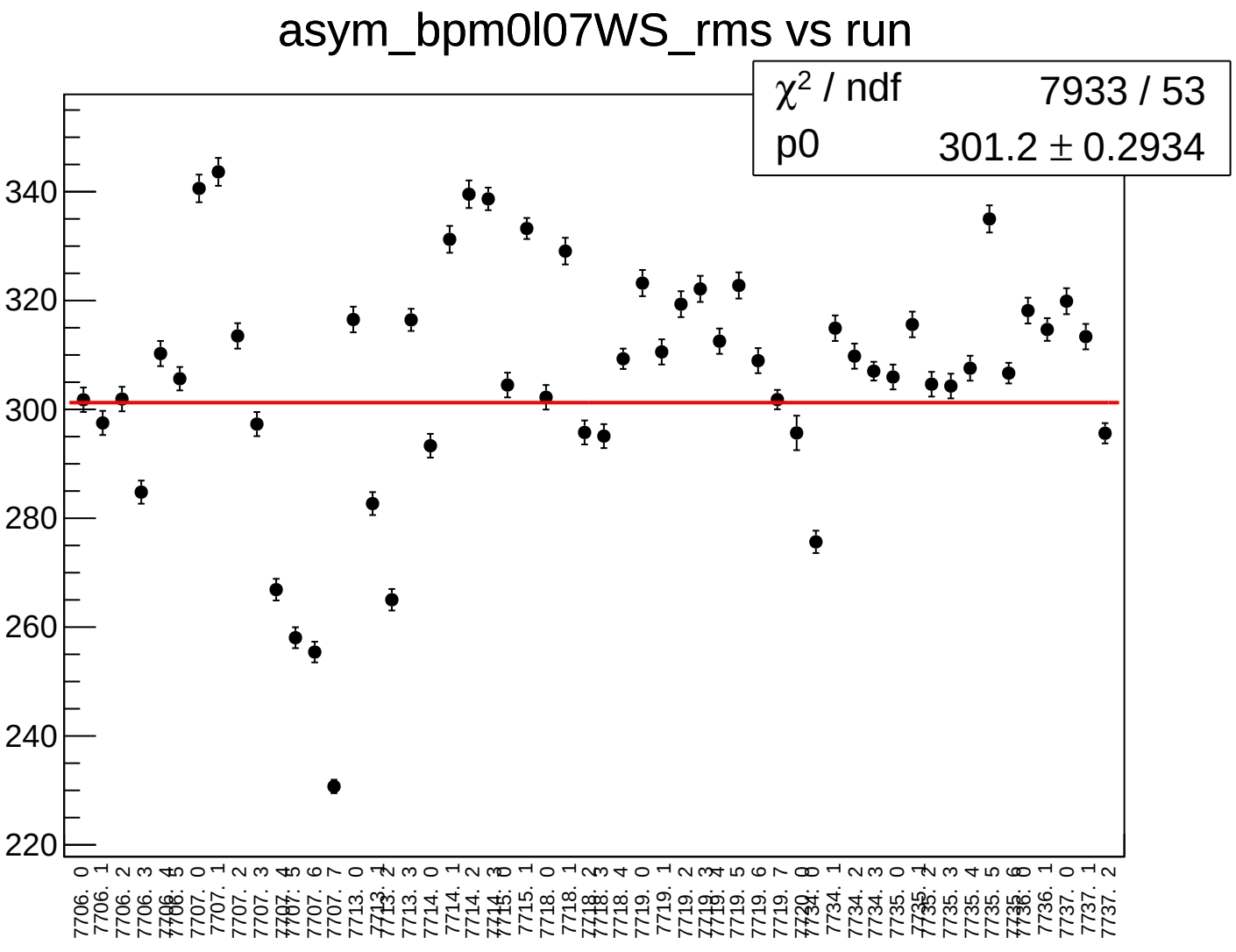

asym_bpm0l06WS_mean vs run
χ² / ndf 311 / 53
p0 −9498 ± 404.9
pull
Entries 54
Mean −627.4
Std Dev 0

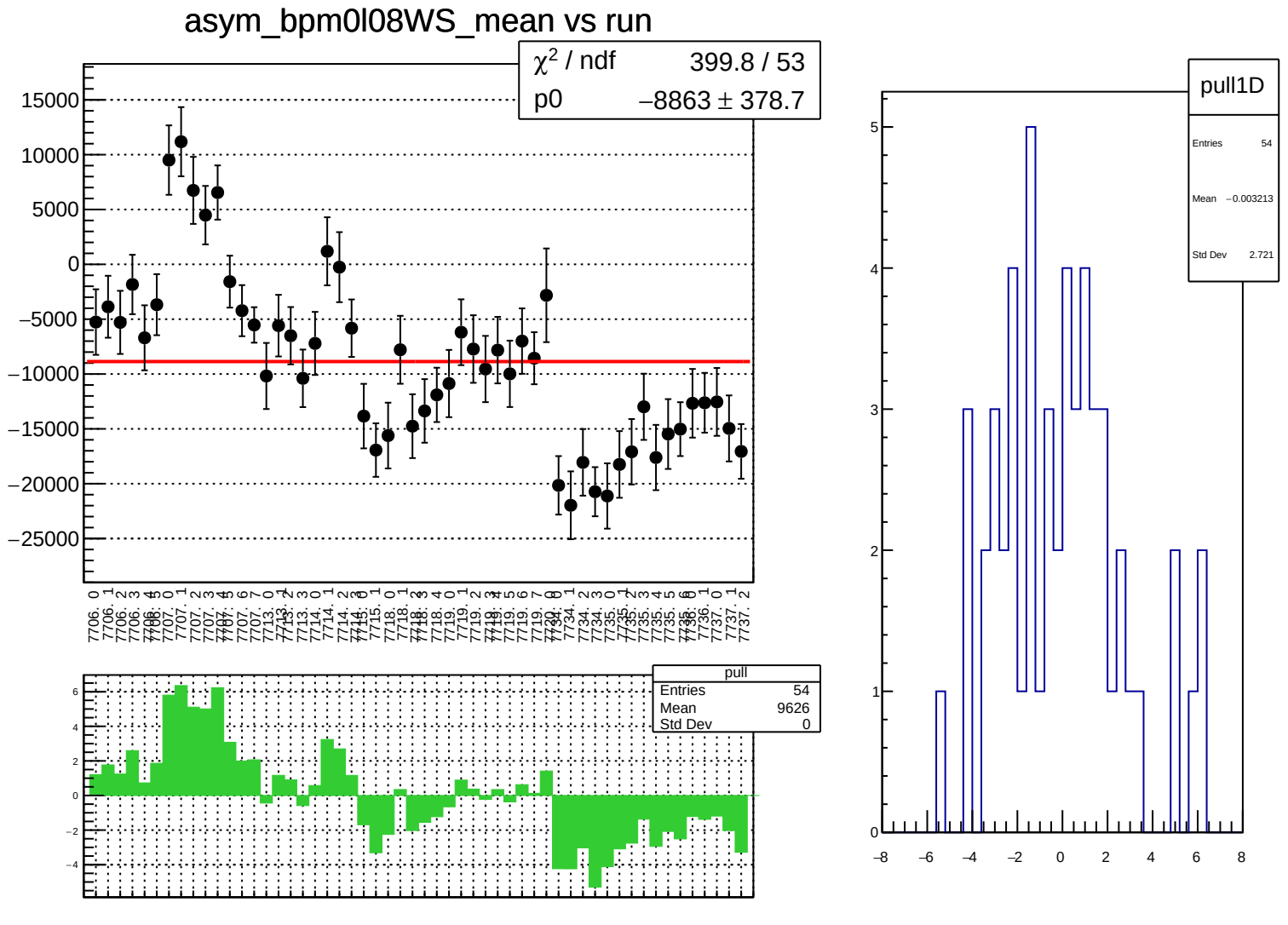

pull1D
Entries 54
Mean 0.04243
Std Dev 2.4

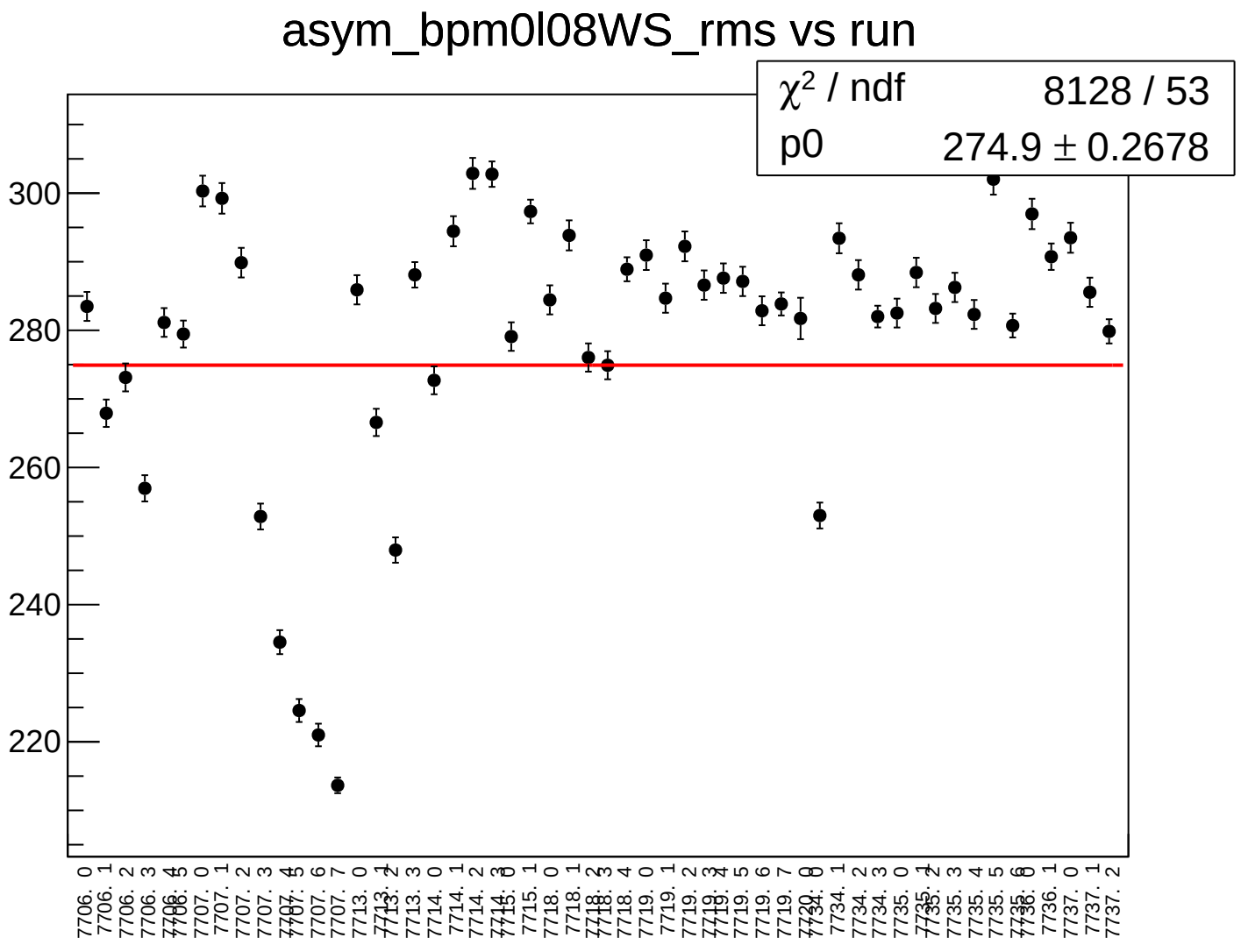

asym_bpm0l06WS_rms vs run
χ² / ndf 7332 / 53
p0 294 ± 0.2863
340
320
300
280
260
240
220


asym_bpm0l07WS_mean vs run
χ² / ndf 320.8 / 53
p0 −9060 ± 415
pull
Entries 54
Mean −746.5
Std Dev 0

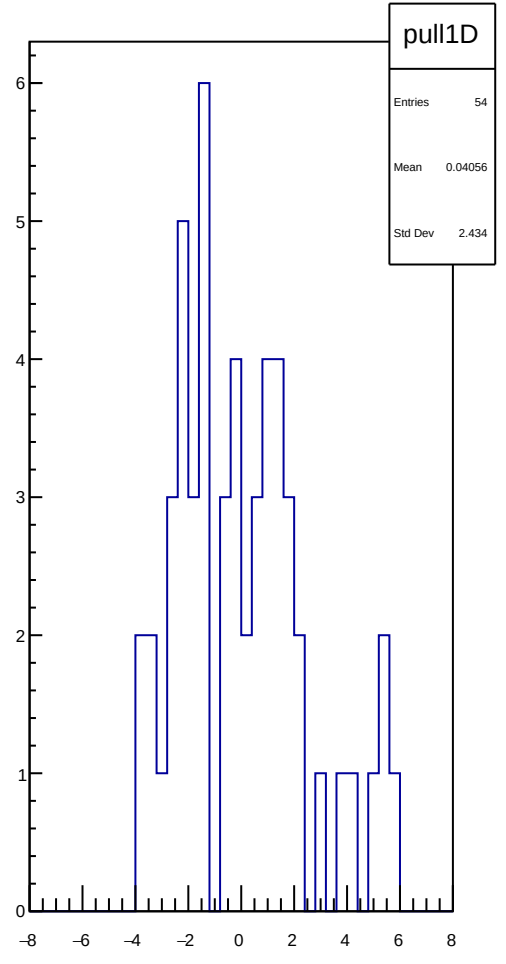

pull1D
Entries 54
Mean 0.03534
Std Dev 2.437

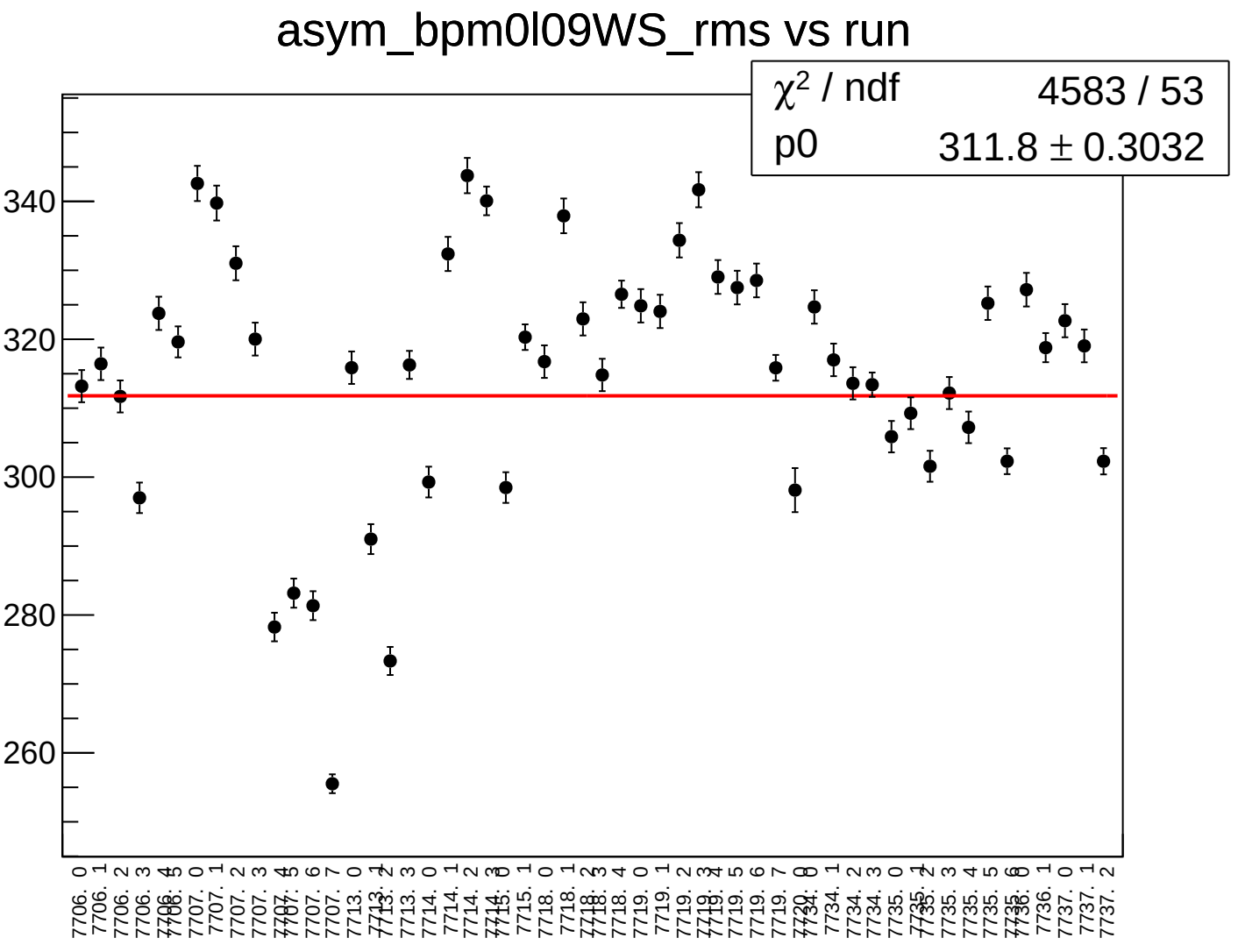

asym_bpm0l07WS_rms vs run
χ² / ndf 7933 / 53
p0 301.2 ± 0.2934
340
320
300
280
260
240
220


asym_bpm0l08WS_mean vs run
χ² / ndf 399.8 / 53
p0 −8863 ± 378.7
pull
Entries 54
Mean 9626
Std Dev 0
pull1D
Entries 54
Mean −0.003213
Std Dev 2.721

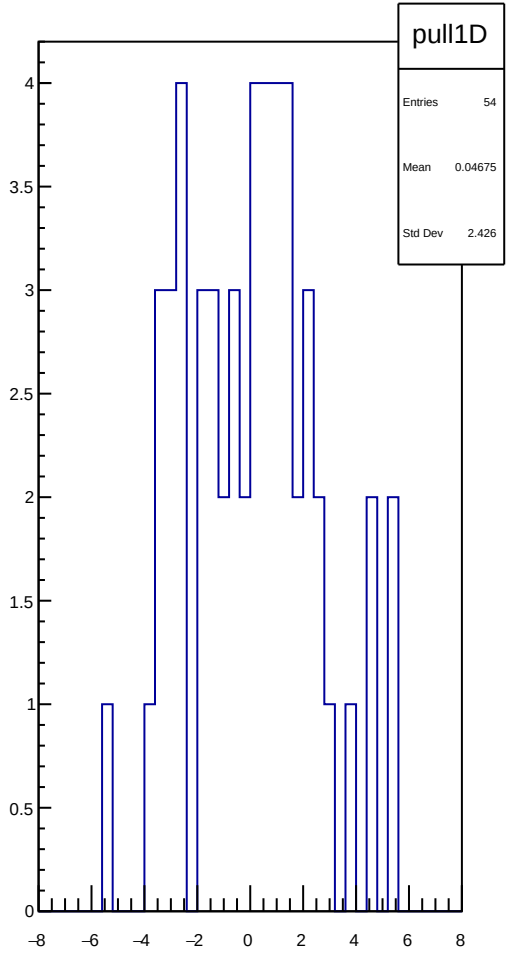

asym_bpm0l08WS_rms vs run
χ² / ndf 8128 / 53
p0 274.9 ± 0.2678
300
280
260
240
220
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

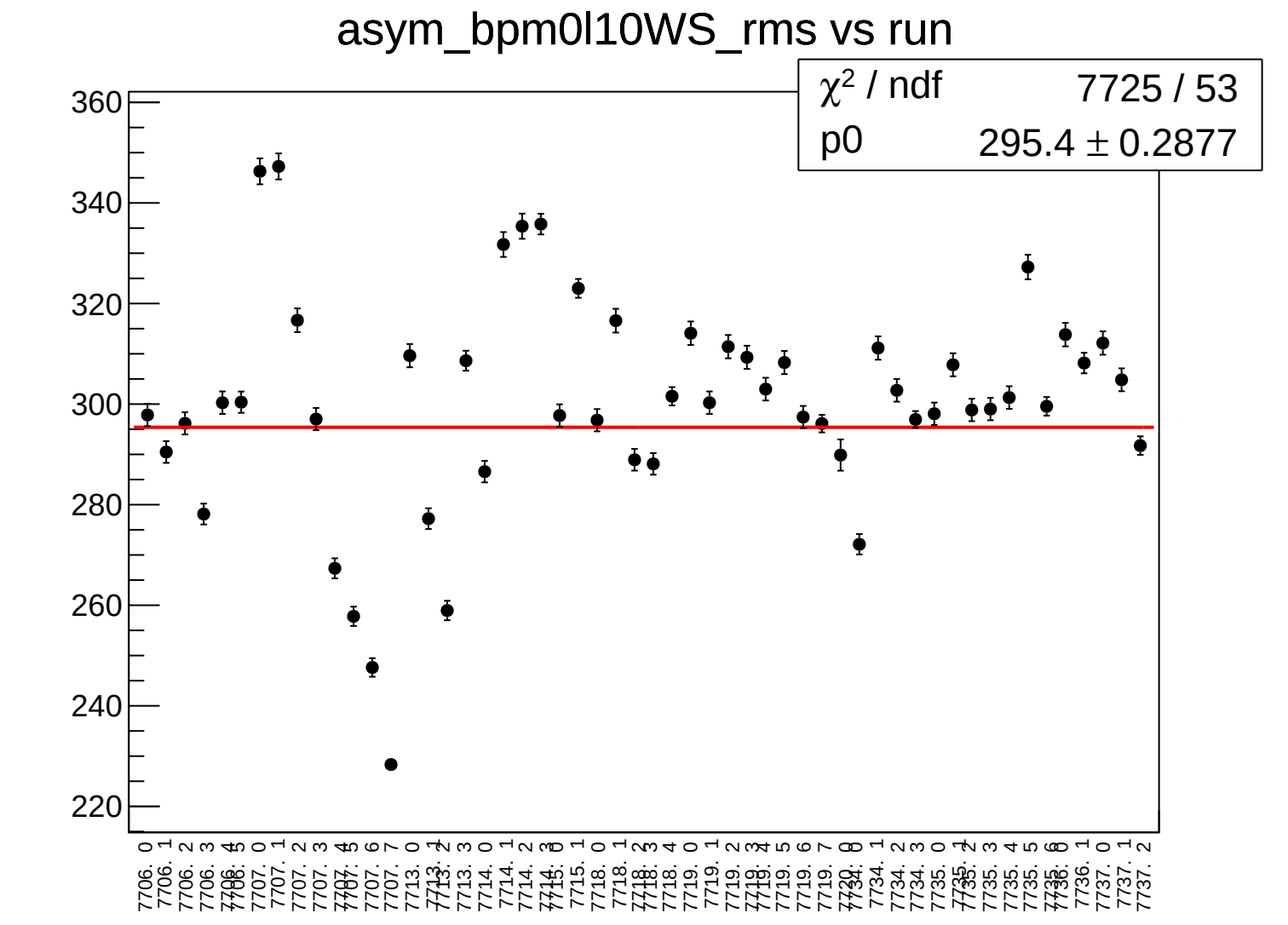
asym_bpm0l09WS_mean vs run
χ² / ndf 320 / 53
p0 −9548 ± 428.8
pull
Entries 54
Mean −672
Std Dev 0

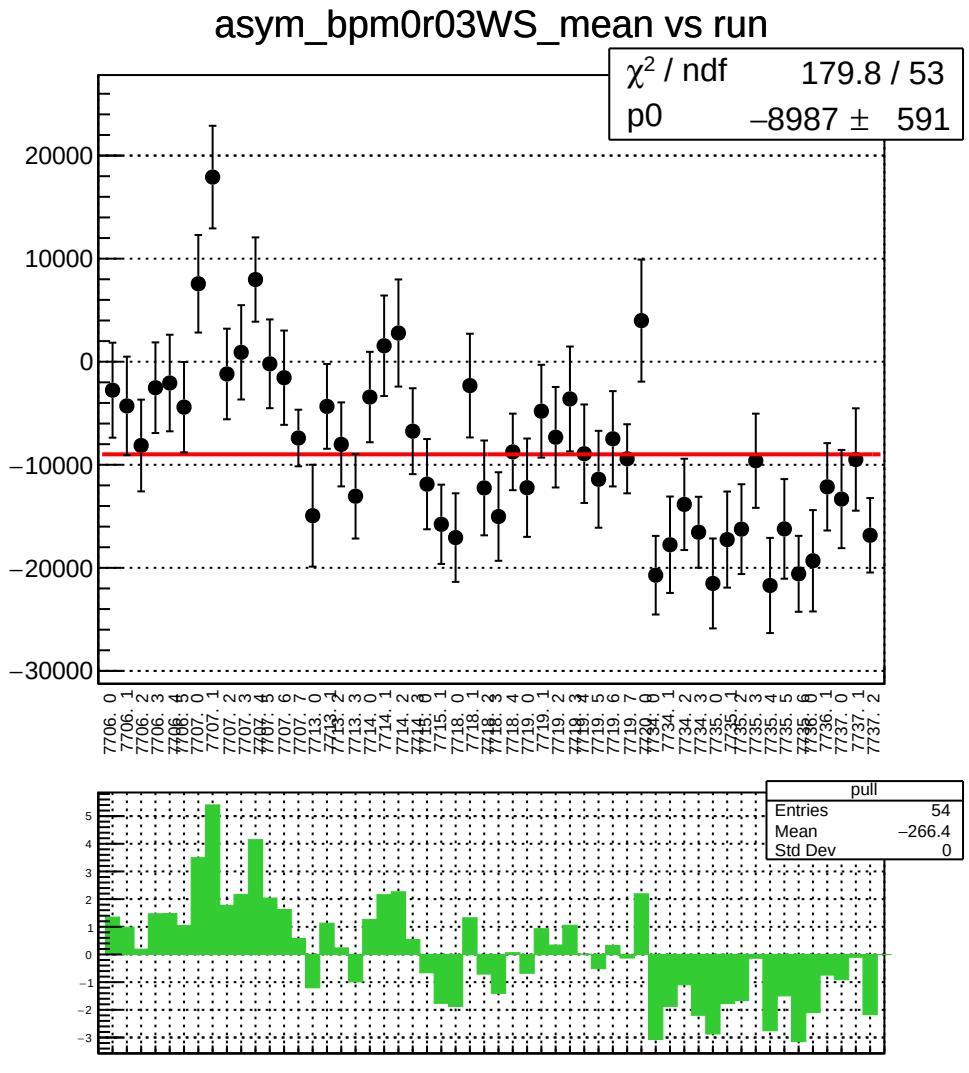

pull1D
Entries 54
Mean 0.04056
Std Dev 2.434

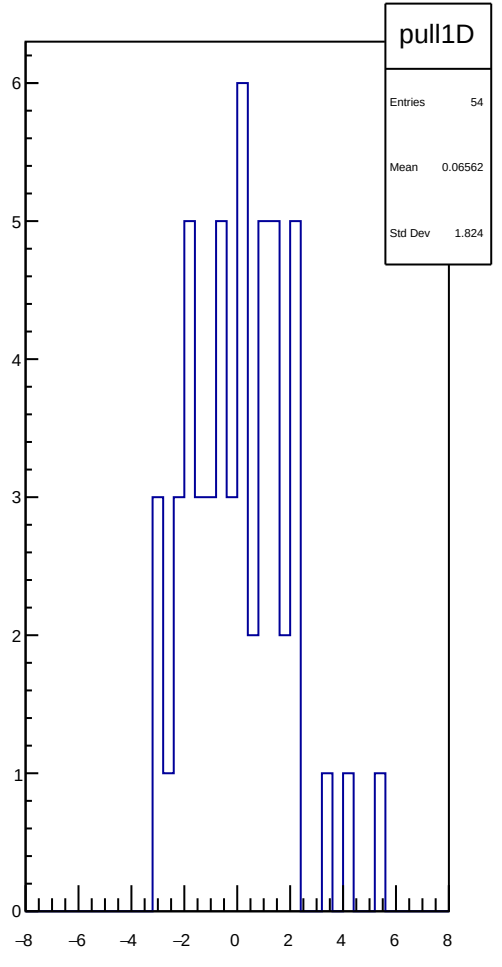

asym_bpm0l09WS_rms vs run
χ² / ndf 4583 / 53
p0 311.8 ± 0.3032
340
320
300
280
260

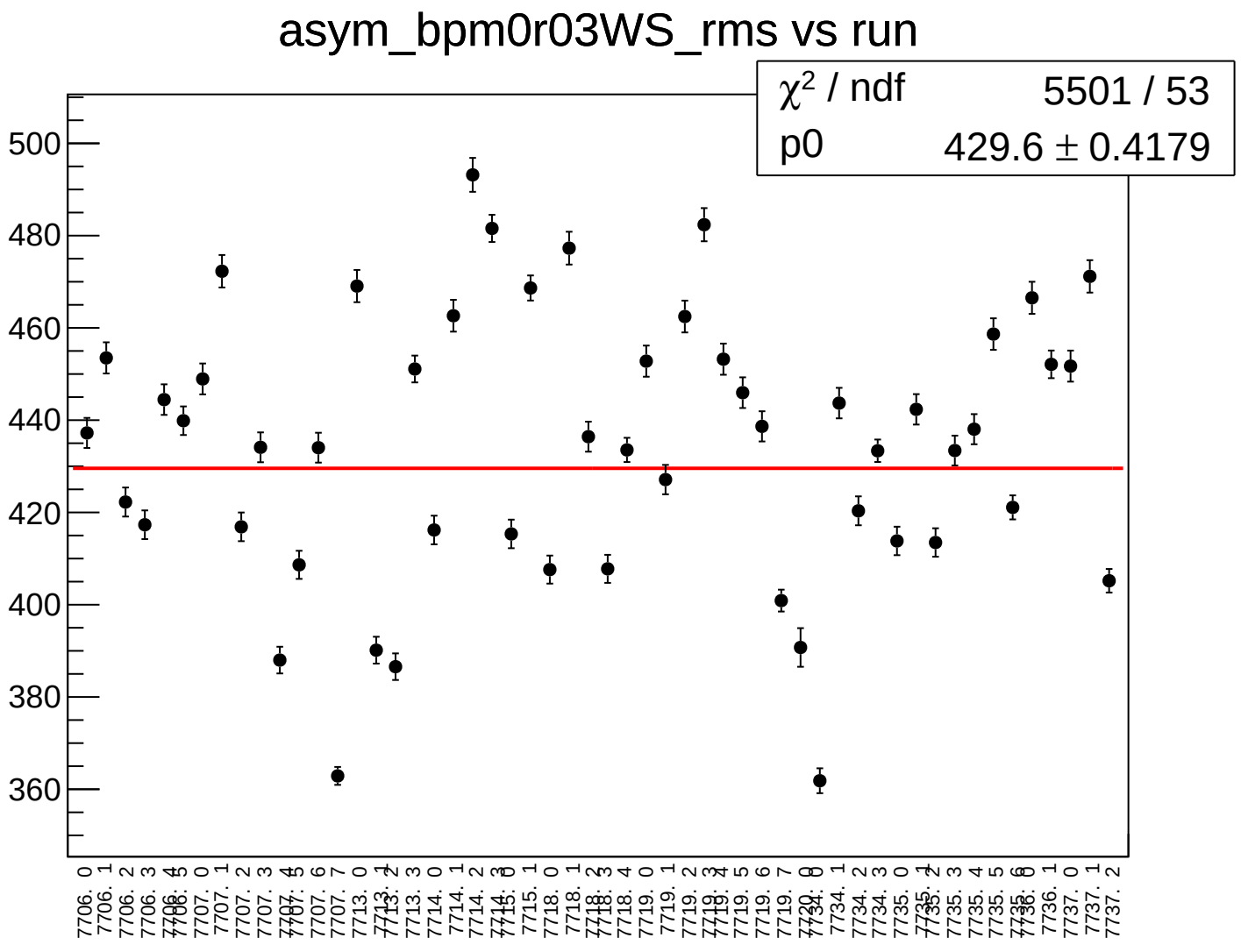
asym_bpm0l10WS_mean vs run
χ² / ndf 317.9 / 53
p0 −9129 ± 406.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 54
Mean −578.4
Std Dev 0

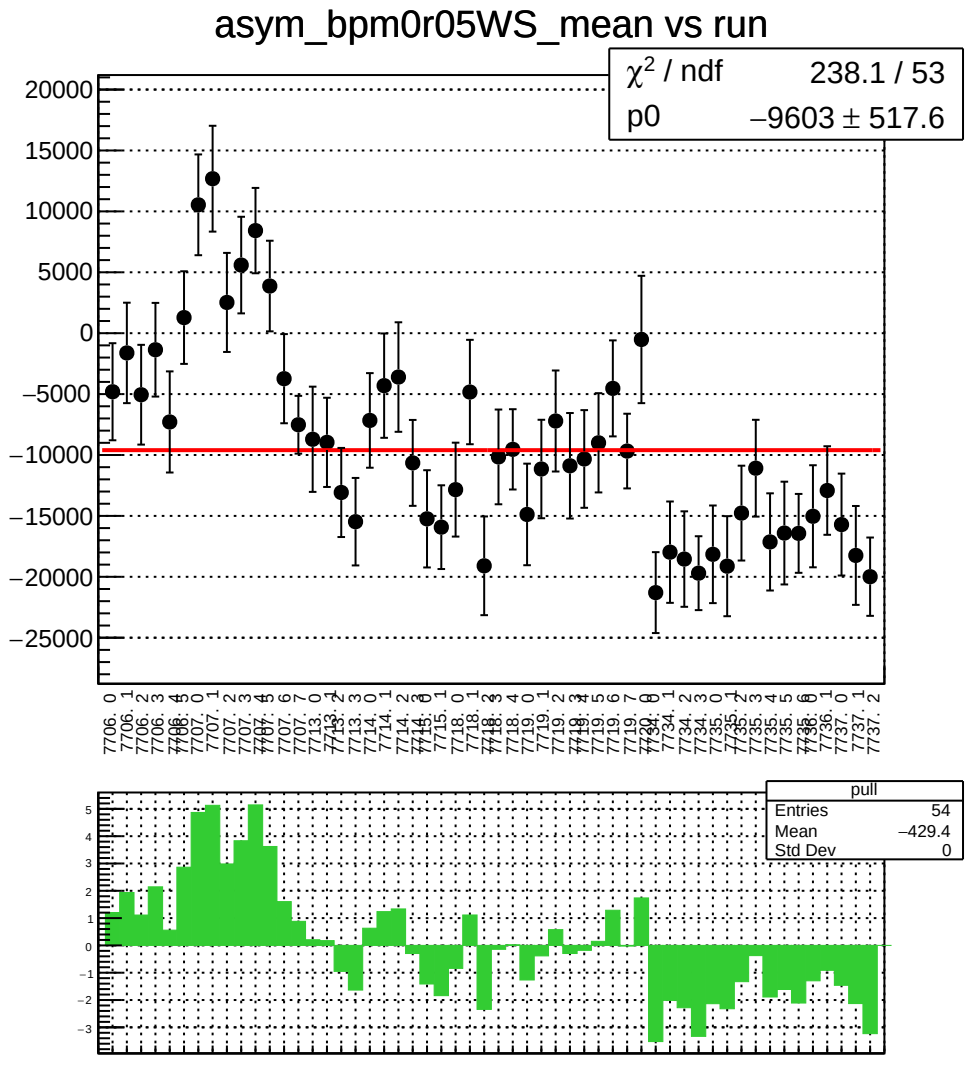

pull1D
Entries 54
Mean 0.04675
Std Dev 2.426

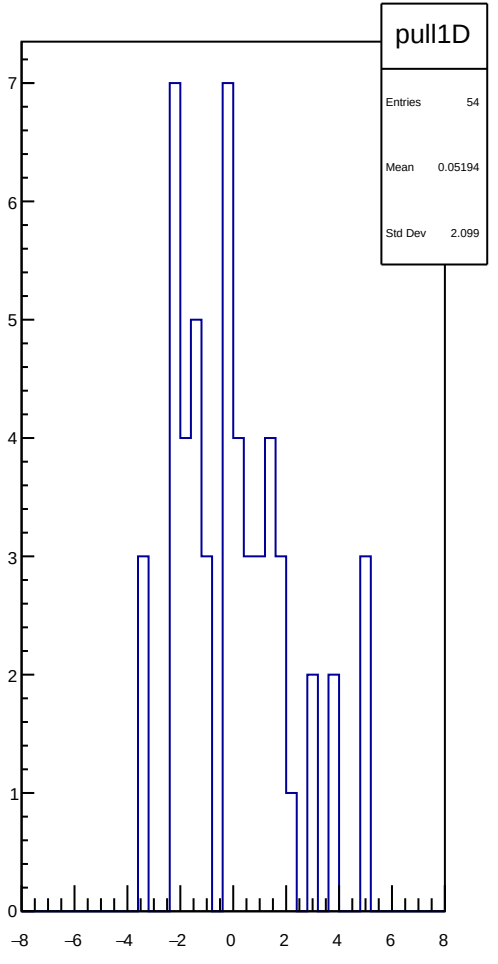

asym_bpm0l10WS_rms vs run
χ² / ndf 7725 / 53
p0 295.4 ± 0.2877
360
340
320
300
280
260
240
220

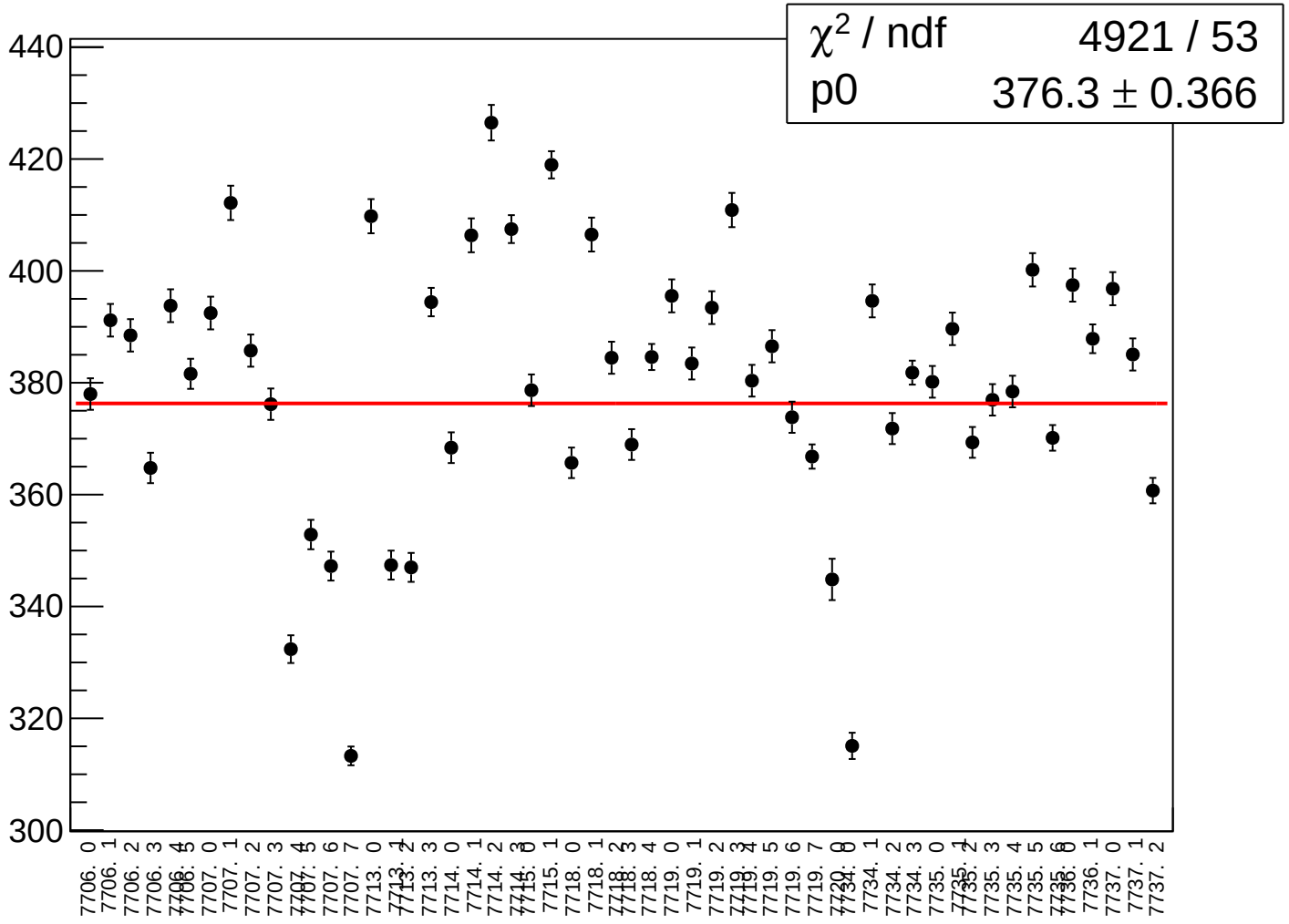

asym_bpm0r03WS_mean vs run
χ² / ndf 179.8 / 53
p0 −8987 ± 591
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −266.4
Std Dev 0

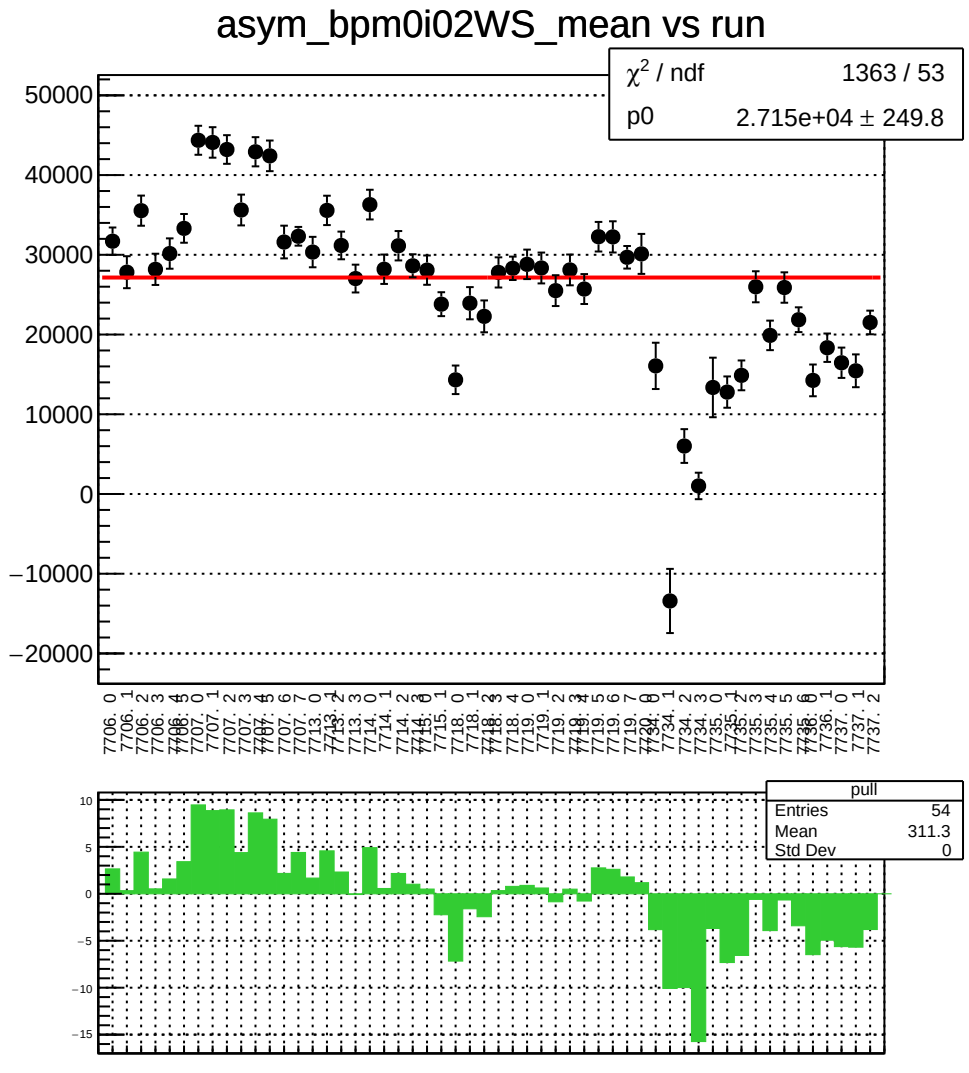

pull1D
Entries 54
Mean 0.06562
Std Dev 1.824

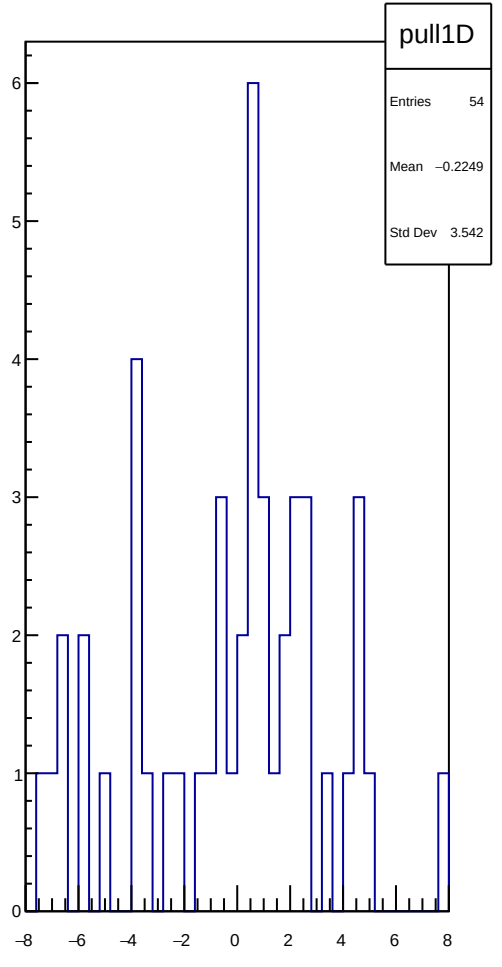

asym_bpm0r03WS_rms vs run
χ² / ndf 5501 / 53
p0 429.6 ± 0.4179
500
480
460
440
420
400
380
360

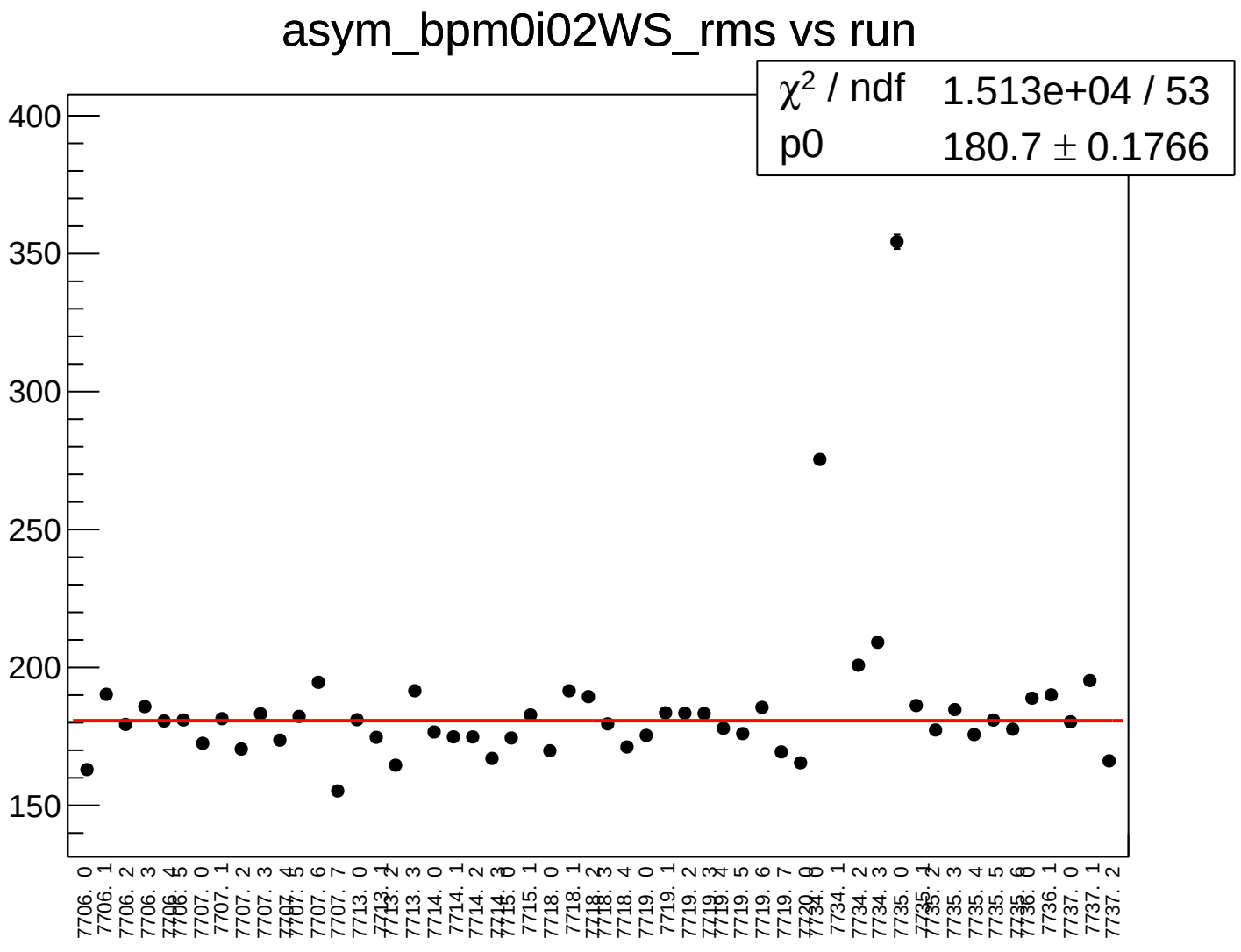

asym_bpm0r05WS_mean vs run
χ² / ndf 238.1 / 53
p0 −9603 ± 517.6
pull
Entries 54
Mean −429.4
Std Dev 0

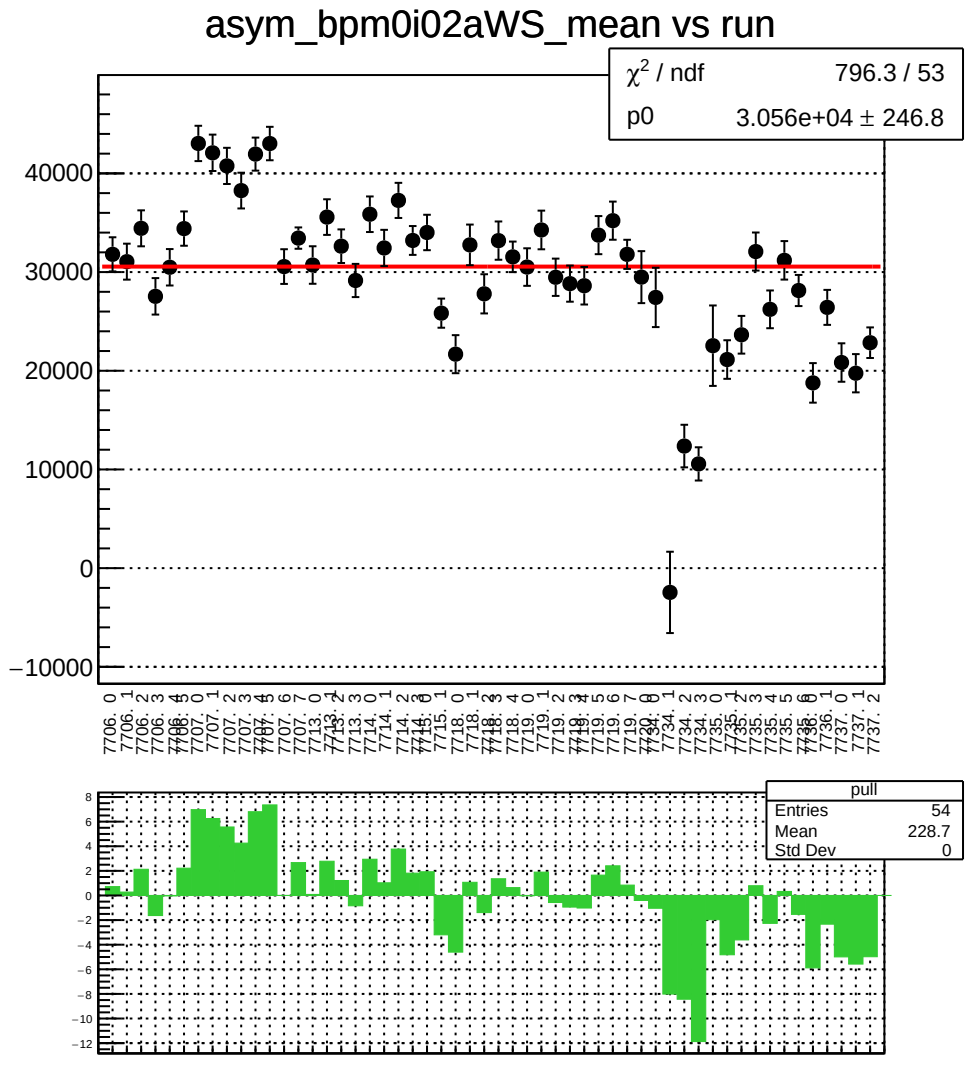

pull1D
Entries 54
Mean 0.05194
Std Dev 2.099

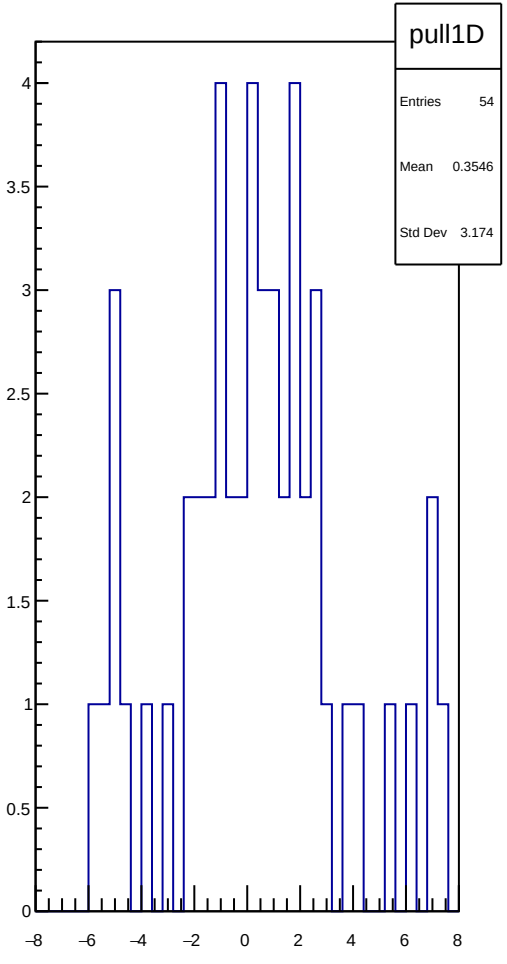

asym_bpm0r05WS_rms vs run
χ^2 / ndf 4921 / 53
p0 376.3 ± 0.366
440
420
400
380
360
340
320
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

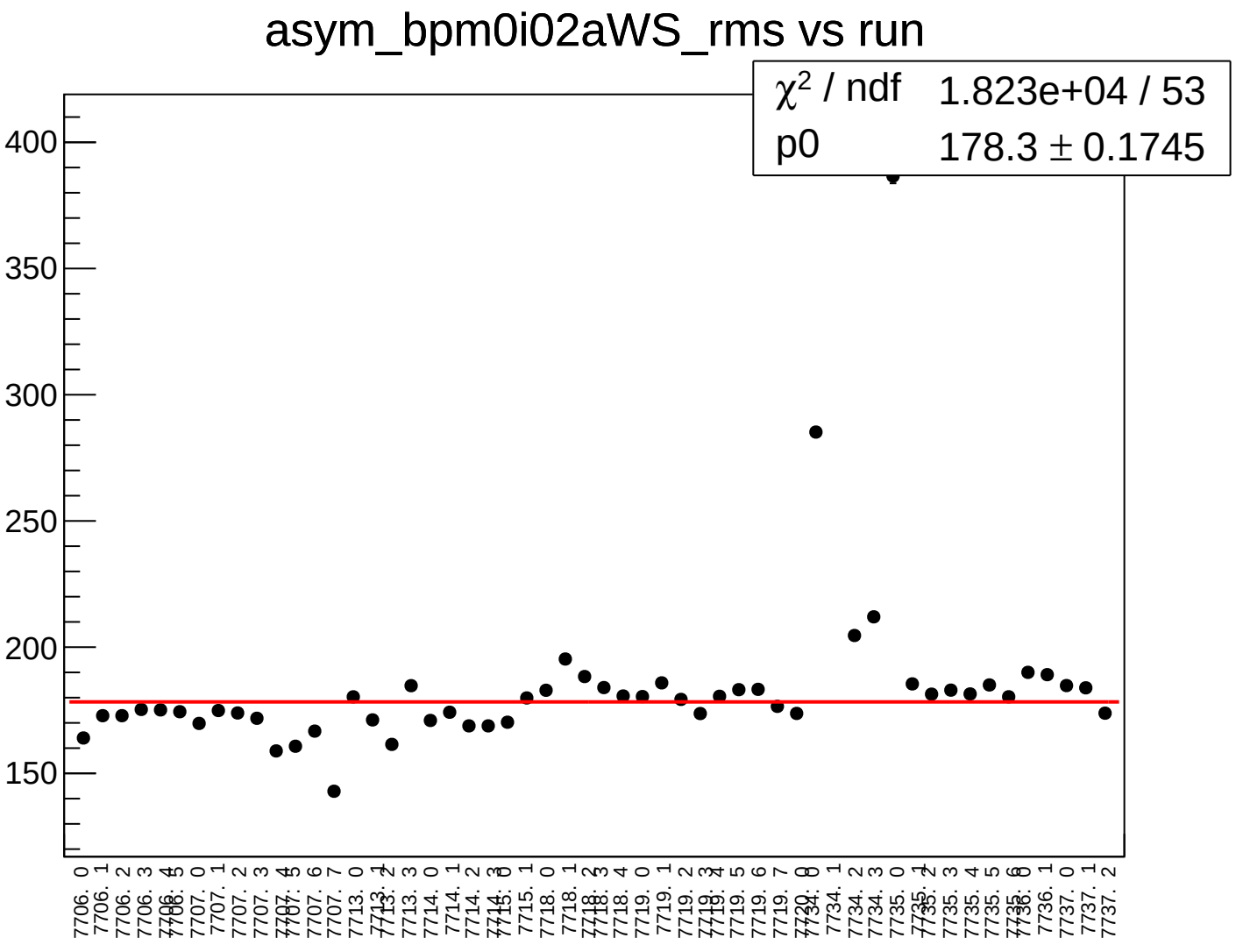

asym_bpm0i02WS_mean vs run
χ² / ndf 1363 / 53
p0 2.715e+04 ± 249.8
pull
Entries 54
Mean 311.3
Std Dev 0

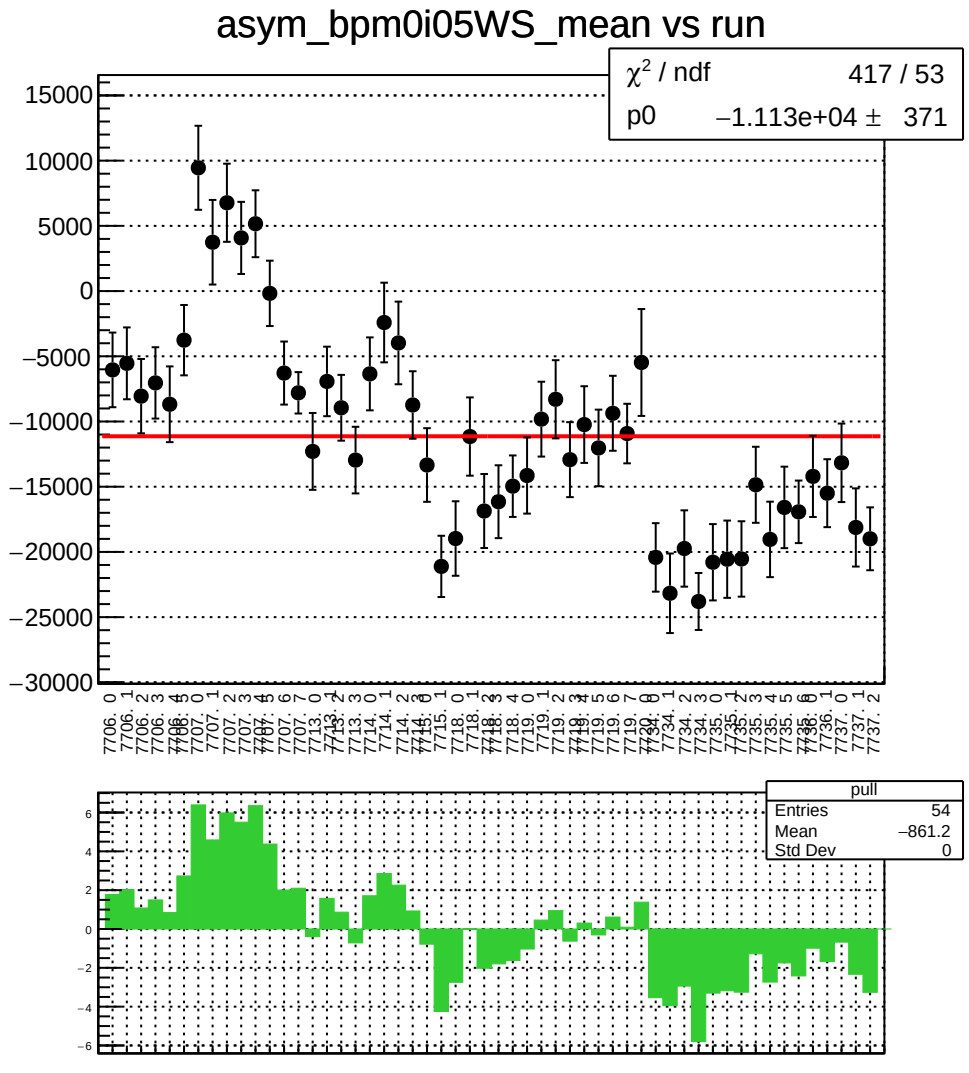

pull1D
Entries 54
Mean −0.2249
Std Dev 3.542

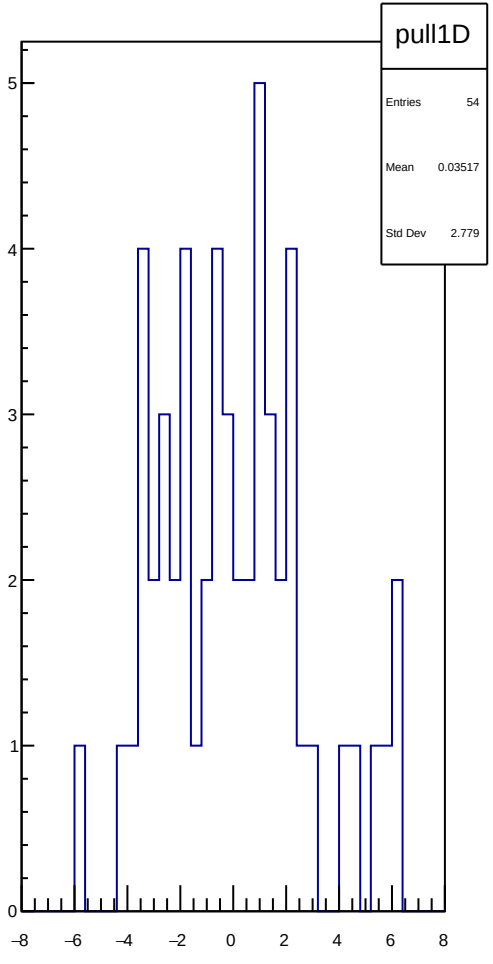

asym_bpm0i02WS_rms vs run
χ² / ndf 1.513e+04 / 53
p0 180.7 ± 0.1766
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

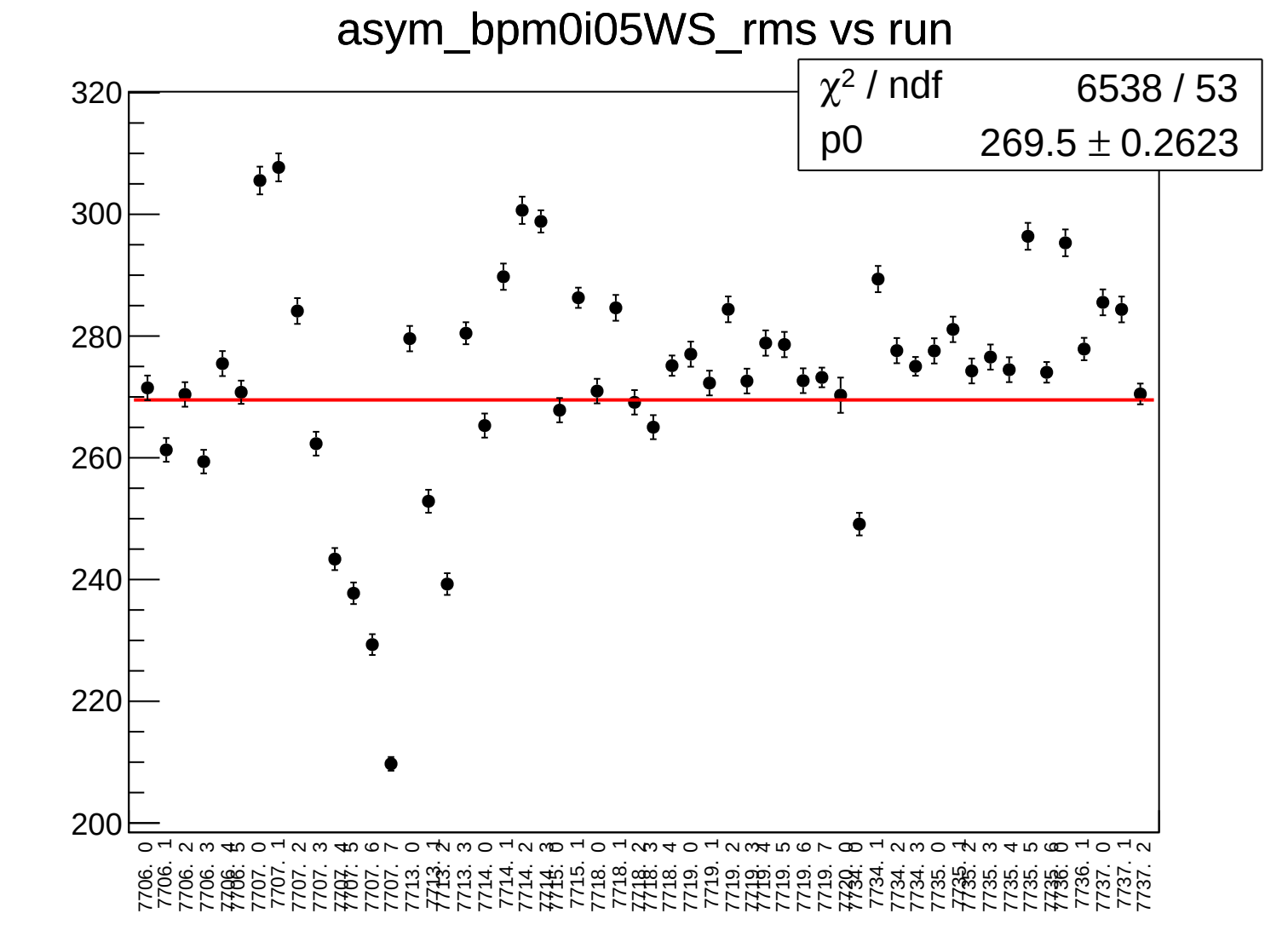

asym_bpm0i02aWS_mean vs run
χ² / ndf 796.3 / 53
p0 3.056e+04 ± 246.8
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 228.7
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

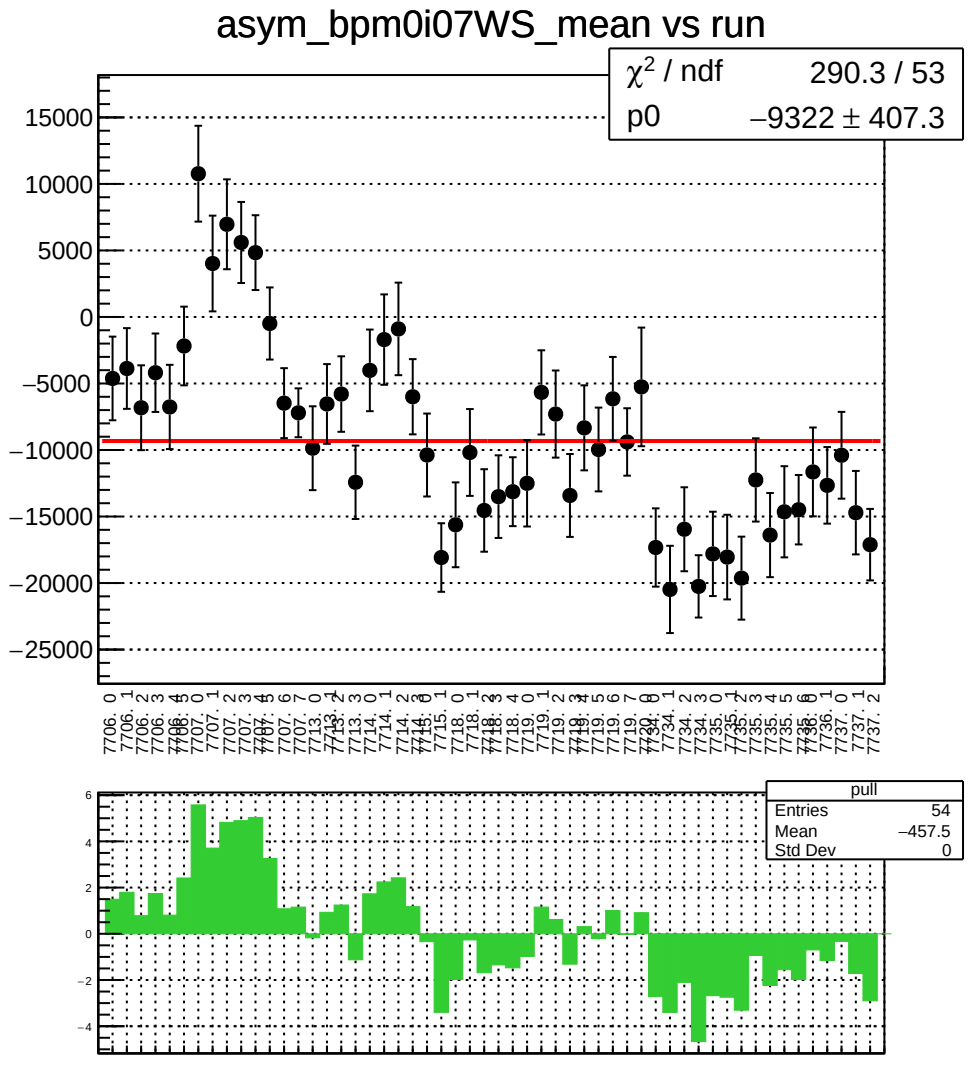

pull1D
Entries 54
Mean 0.3546
Std Dev 3.174
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

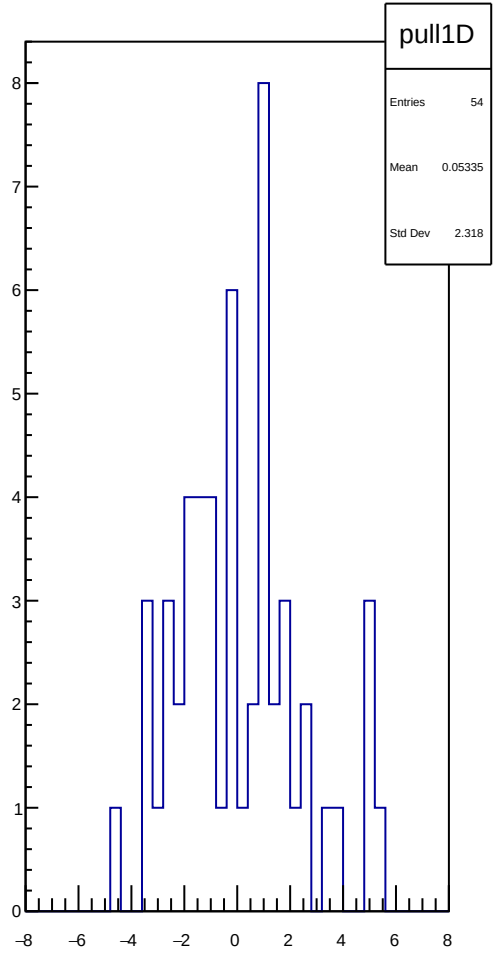

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.823e+04 / 53
p0 178.3 ± 0.1745
400
350
300
250
200
150

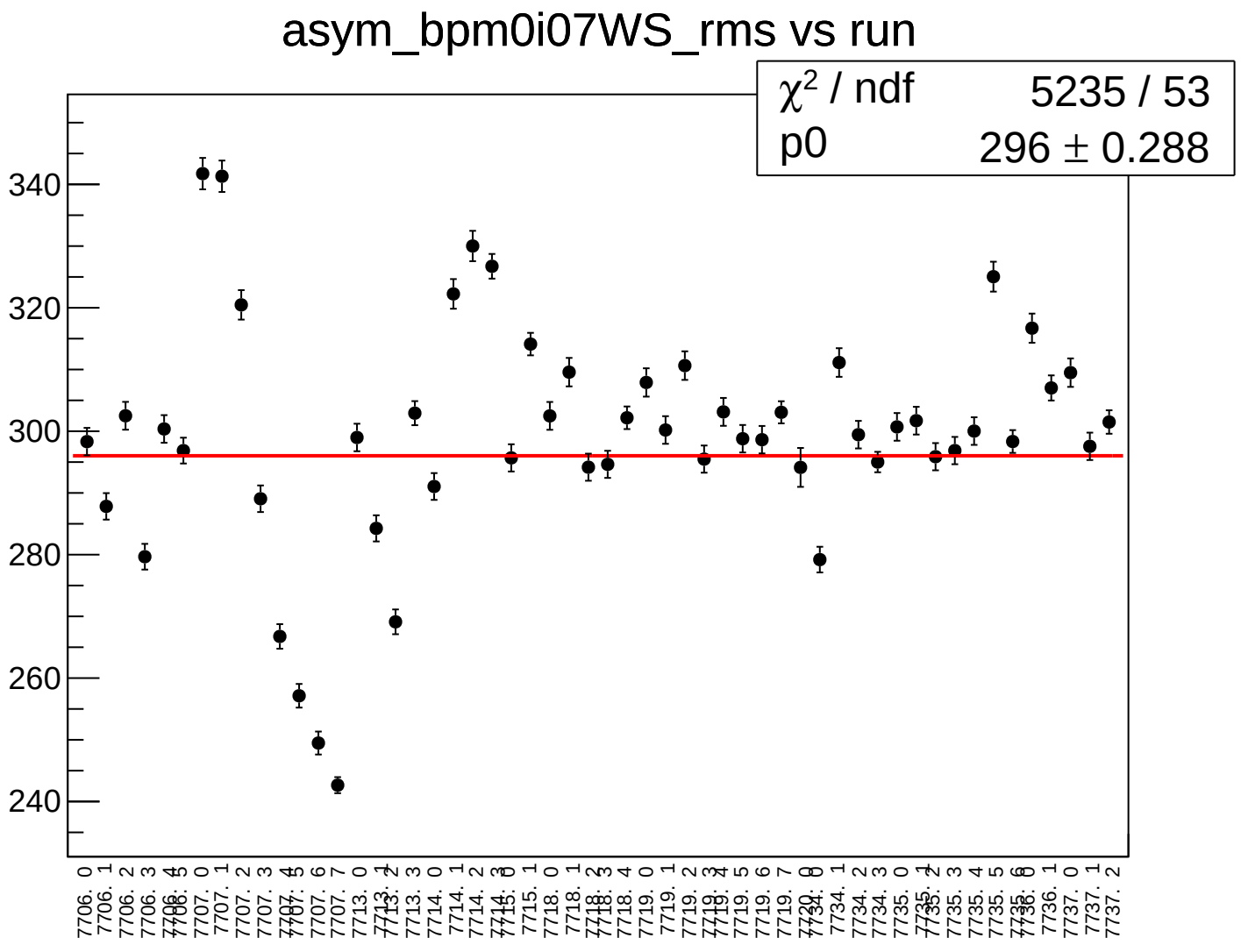

asym_bpm0i05WS_mean vs run
χ² / ndf 417 / 53
p0 −1.113e+04 ± 371
pull
Entries 54
Mean −861.2
Std Dev 0

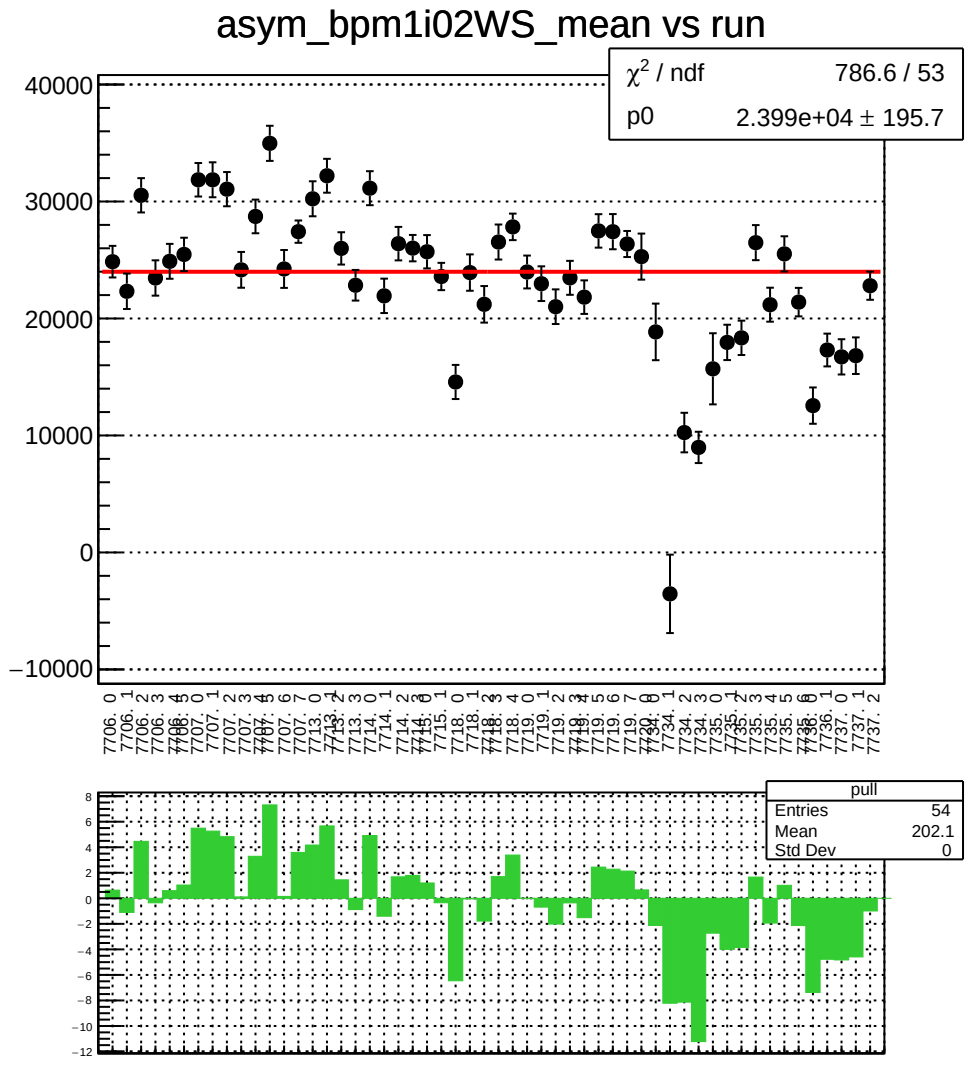

pull1D
Entries 54
Mean 0.03517
Std Dev 2.779

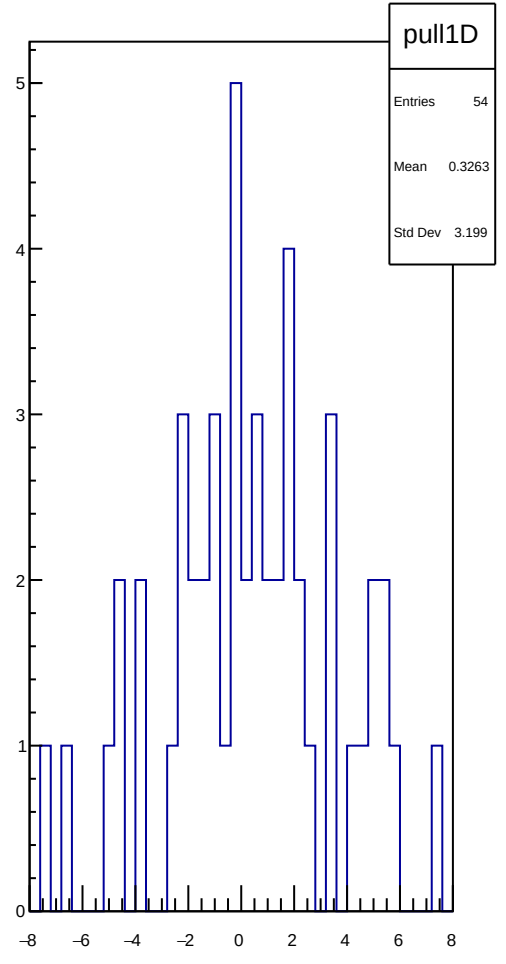

asym_bpm0i05WS_rms vs run
χ² / ndf 6538 / 53
p0 269.5 ± 0.2623
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

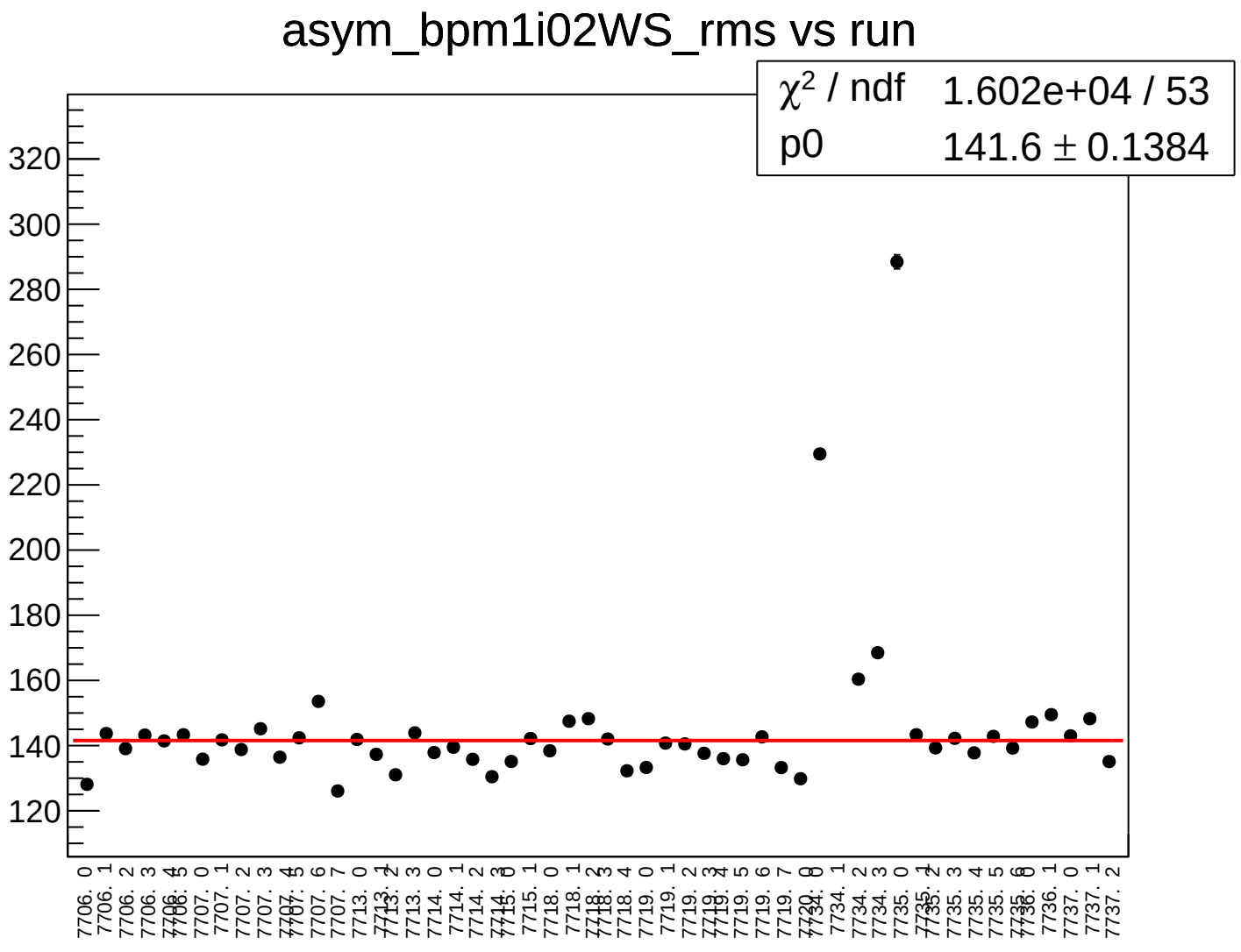

asym_bpm0i07WS_mean vs run
χ² / ndf 290.3 / 53
p0 −9322 ± 407.3
pull
Entries 54
Mean −457.5
Std Dev 0

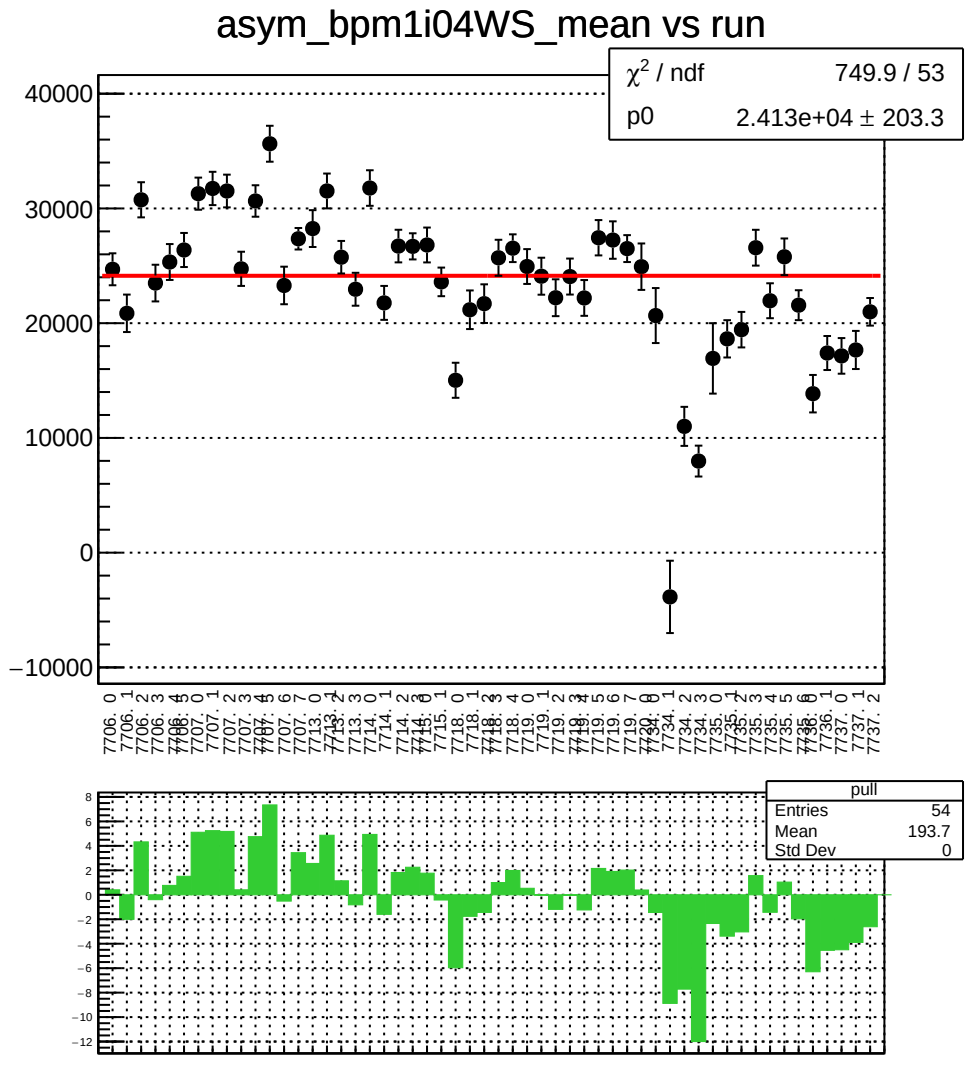

pull1D
Entries 54
Mean 0.05335
Std Dev 2.318

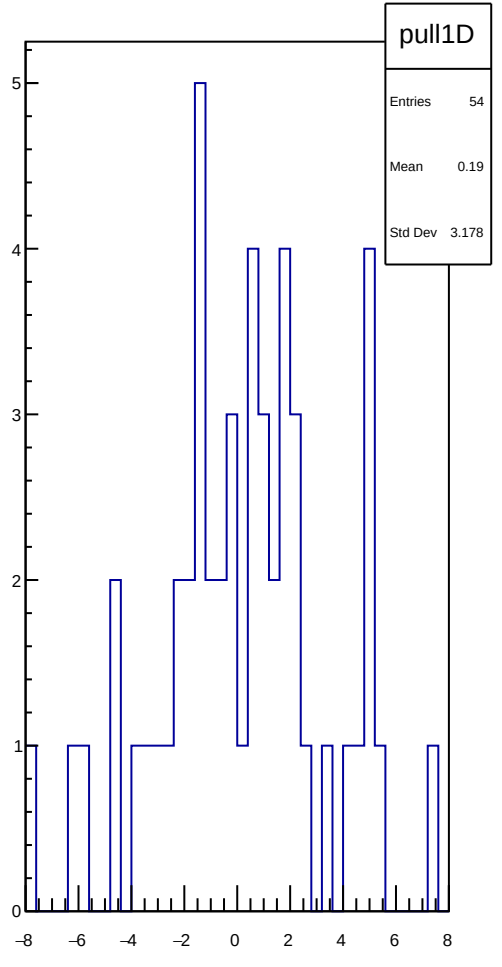

asym_bpm0i07WS_rms vs run
χ² / ndf 5235 / 53
p0 296 ± 0.288
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

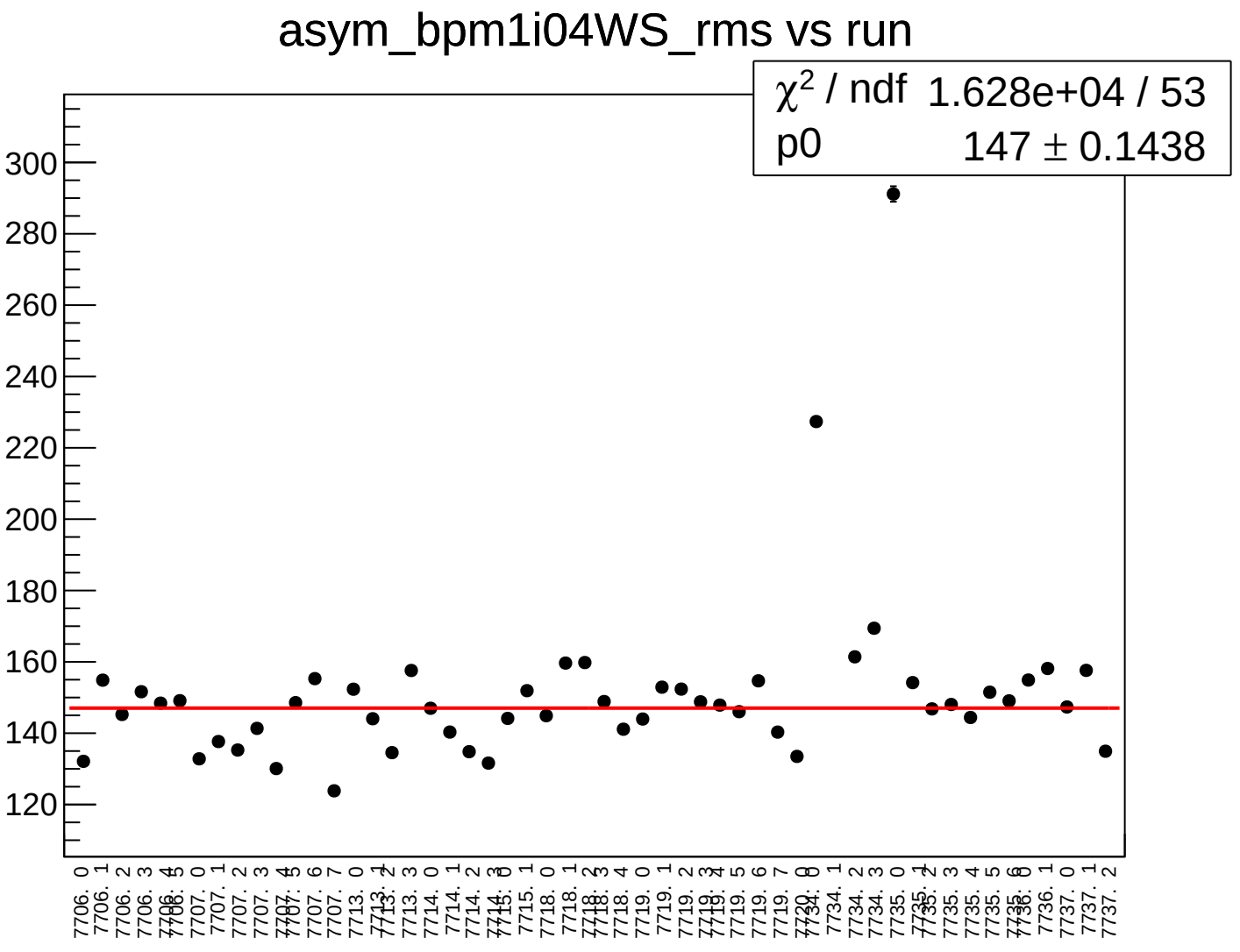

asym_bpm1i02WS_mean vs run
χ² / ndf 786.6 / 53
p0 2.399e+04 ± 195.7
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 202.1
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

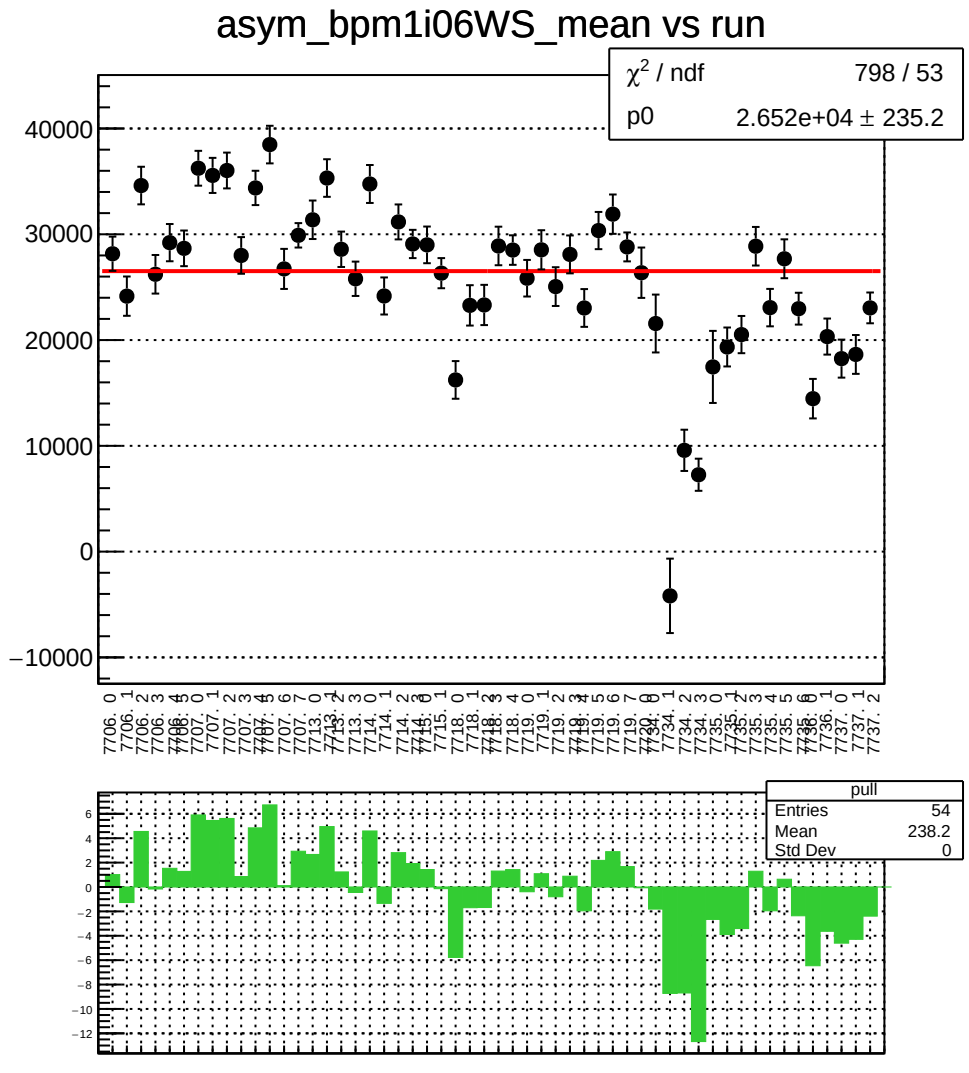

pull1D
Entries 54
Mean 0.3263
Std Dev 3.199
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

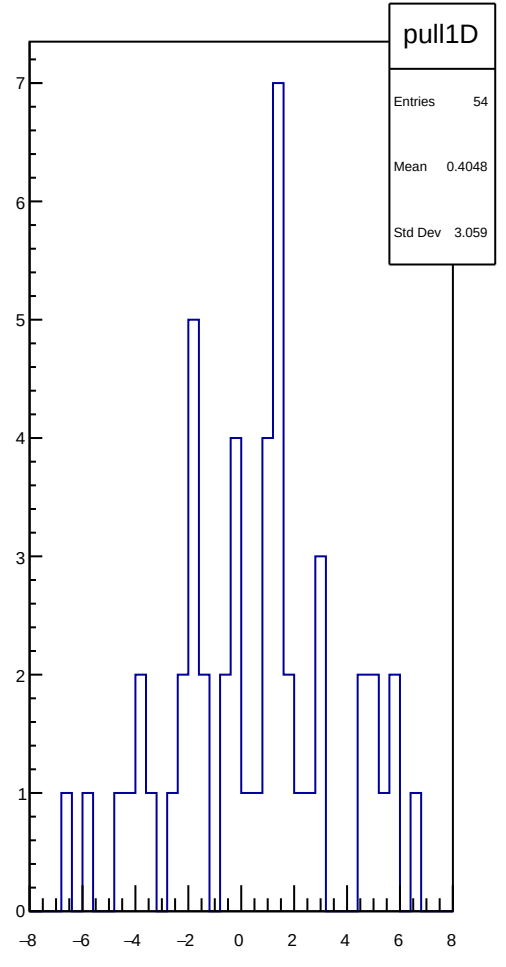

asym_bpm1i02WS_rms vs run
χ² / ndf 1.602e+04 / 53
p0 141.6 ± 0.1384
320
300
280
260
240
220
200
180
160
140
120
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

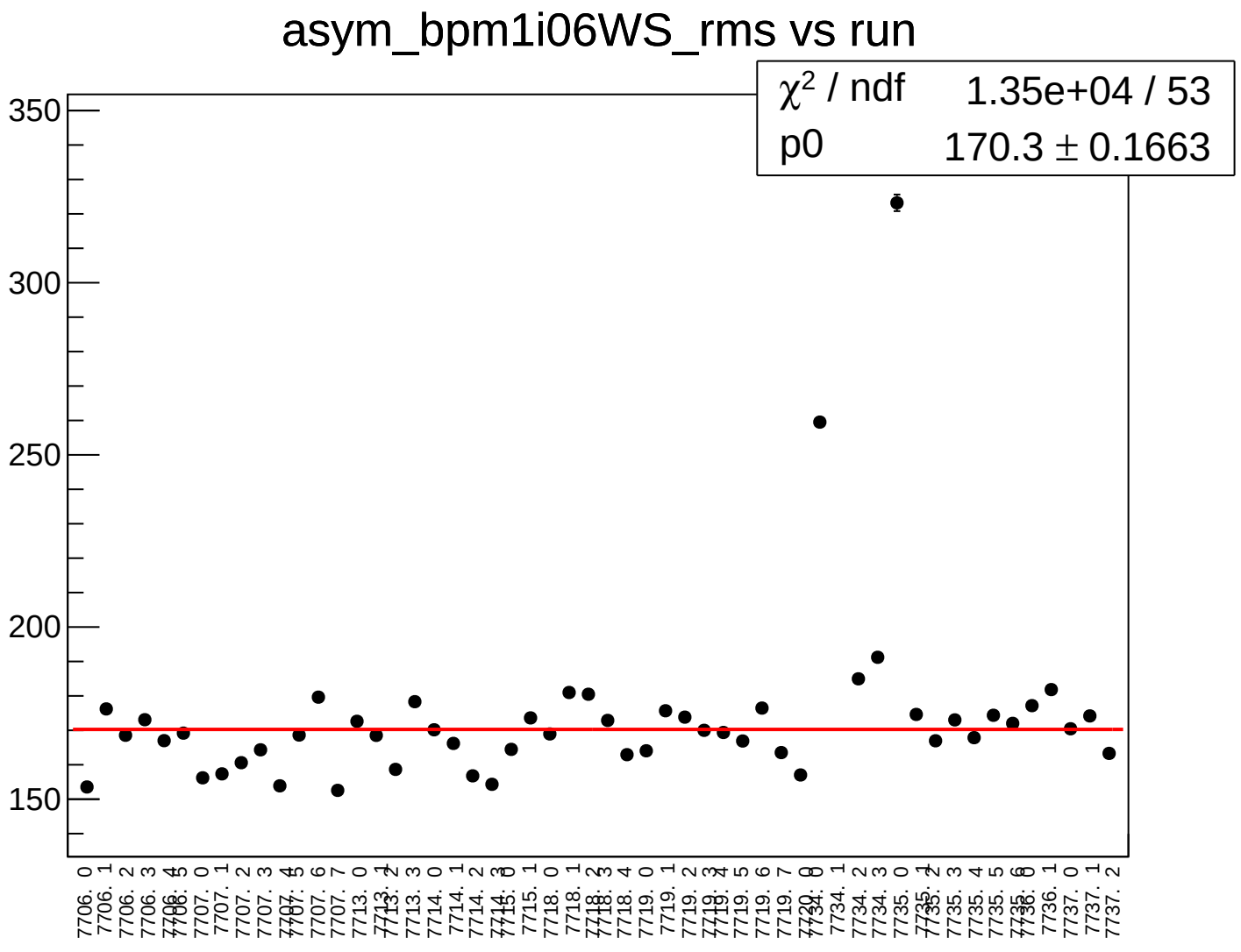

asym_bpm1i04WS_mean vs run
χ² / ndf 749.9 / 53
p0 2.413e+04 ± 203.3
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 193.7
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

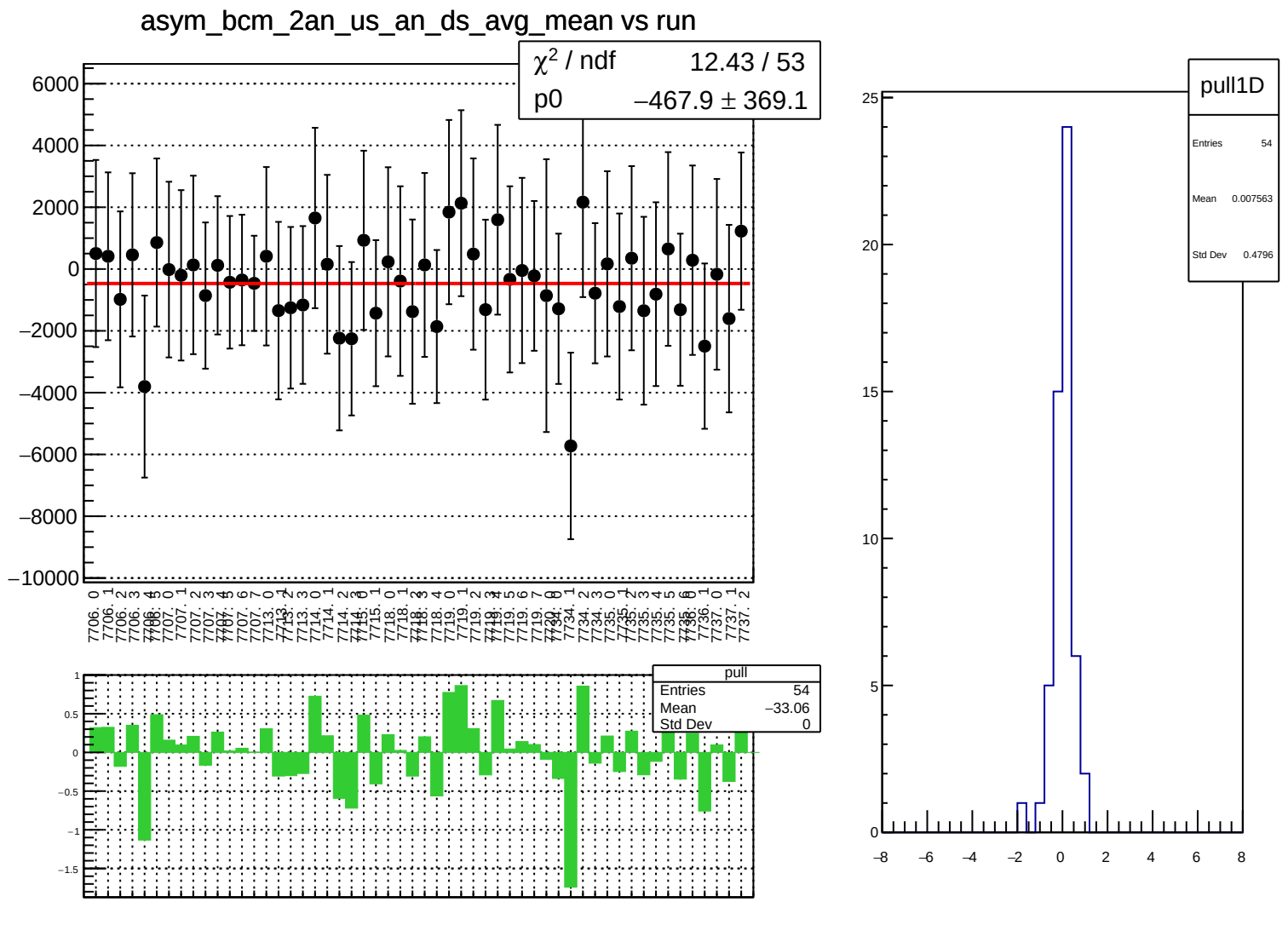

pull1D
Entries 54
Mean 0.19
Std Dev 3.178
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

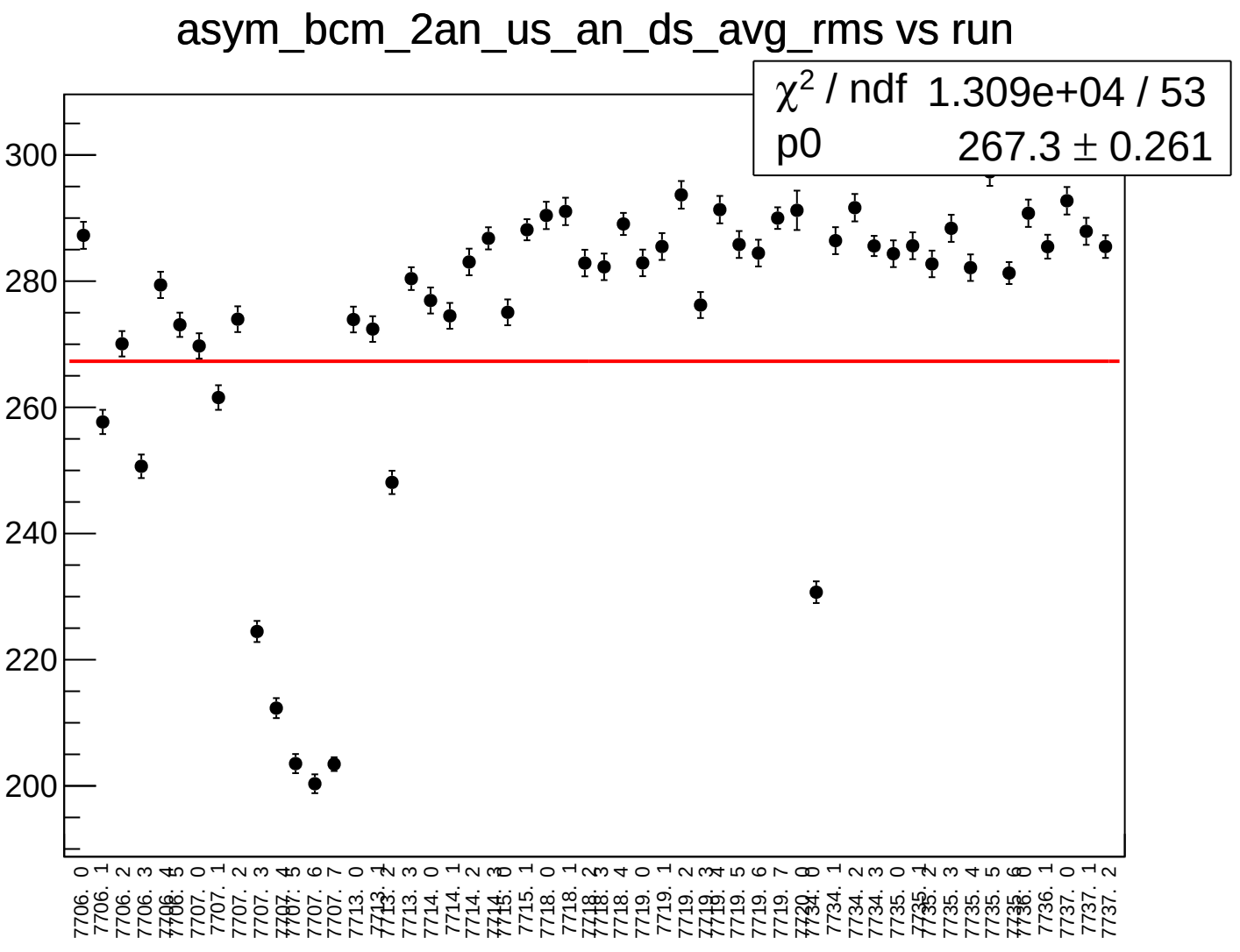

asym_bpm1i04WS_rms vs run
χ^2 / ndf 1.628e+04 / 53
p0 147 ± 0.1438
300
280
260
240
220
200
180
160
140
120

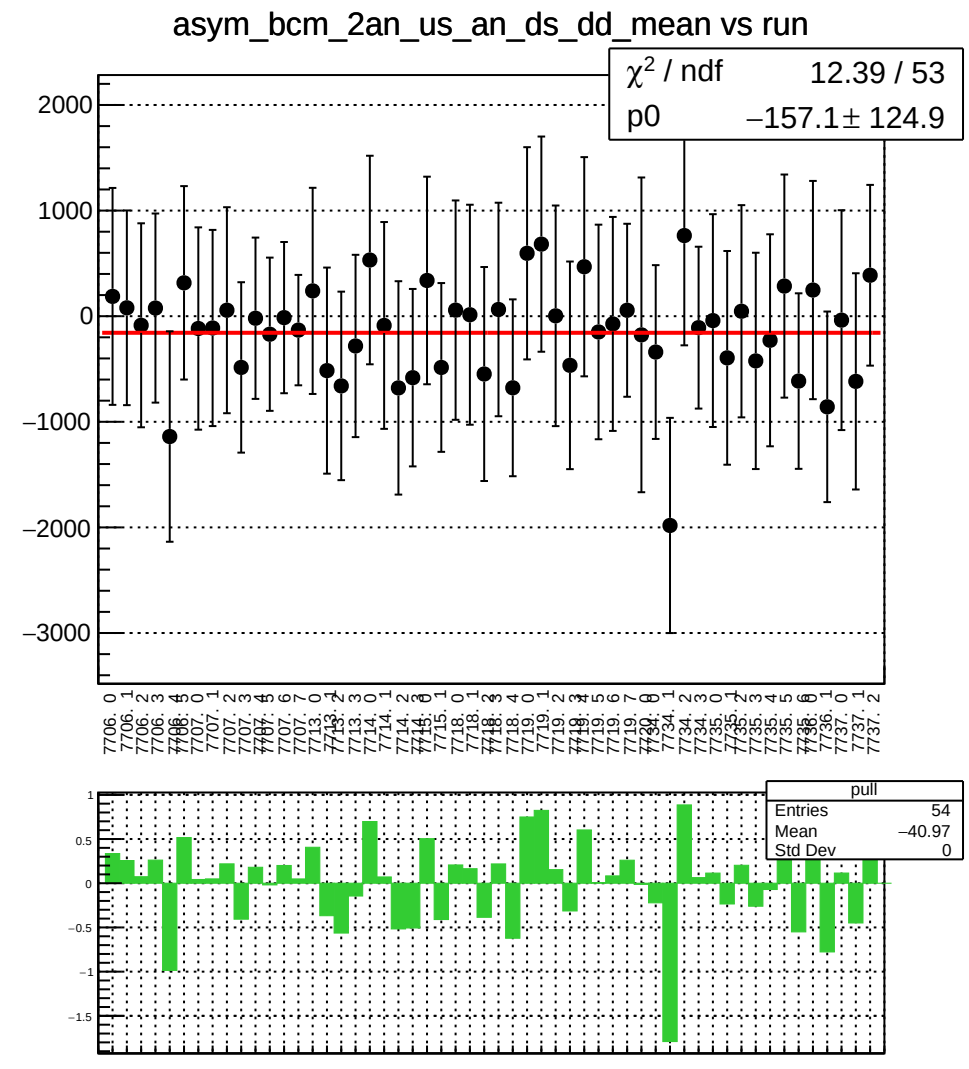

asym_bpm1i06WS_mean vs run
χ² / ndf 798 / 53
p0 2.652e+04 ± 235.2
40000
30000
20000
10000
0
−10000
pull
Entries 54
Mean 238.2
Std Dev 0
6
4
2
0
−2
−4
−6
−8
−10
−12

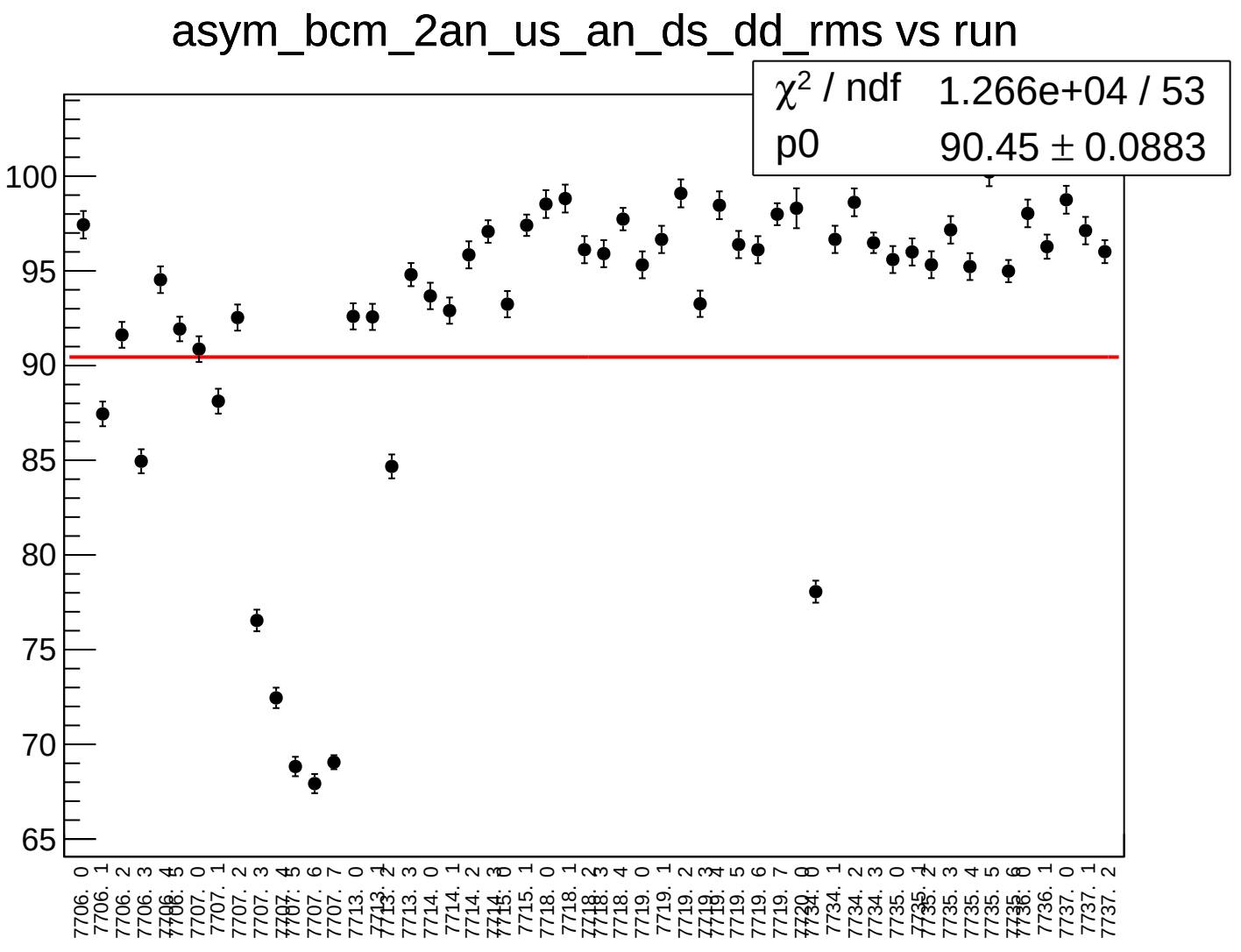

pull1D
Entries 54
Mean 0.4048
Std Dev 3.059
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

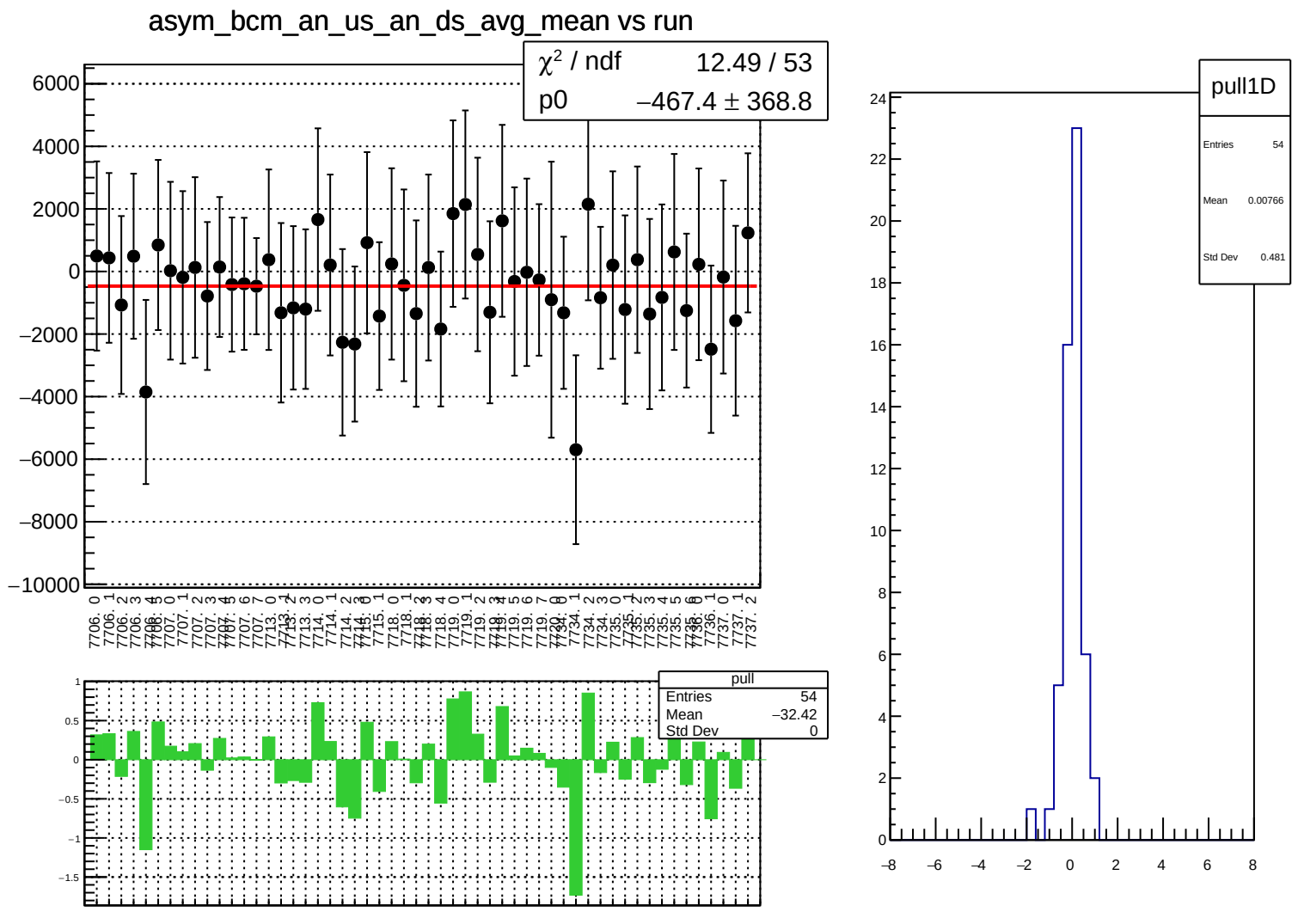

asym_bpm1i06WS_rms vs run
χ² / ndf 1.35e+04 / 53
p0 170.3 ± 0.1663
350
300
250
200
150

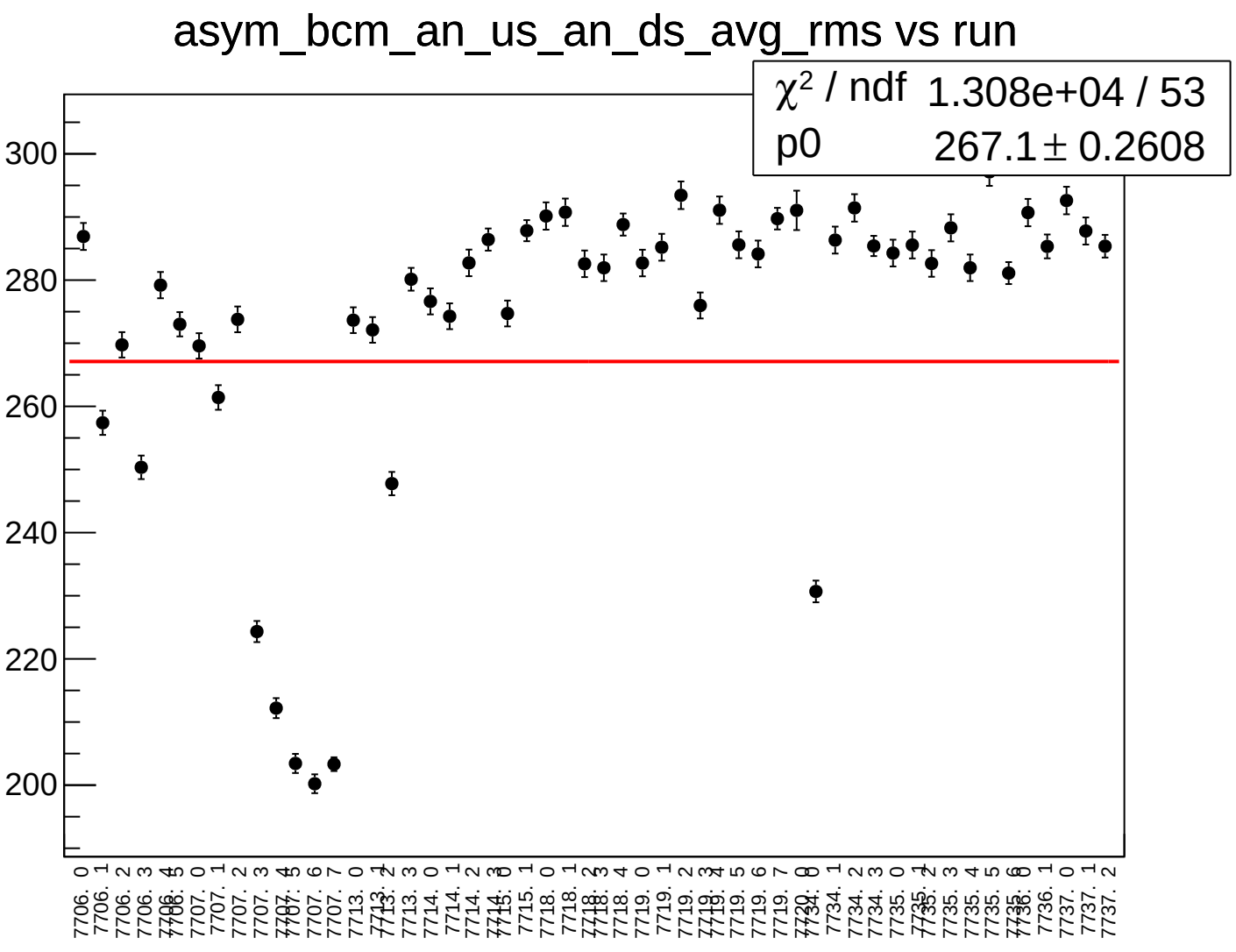

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 12.43 / 53
p0 −467.9 ± 369.1
pull
Entries 54
Mean −33.06
Std Dev 0
pull1D
Entries 54
Mean 0.007563
Std Dev 0.4796

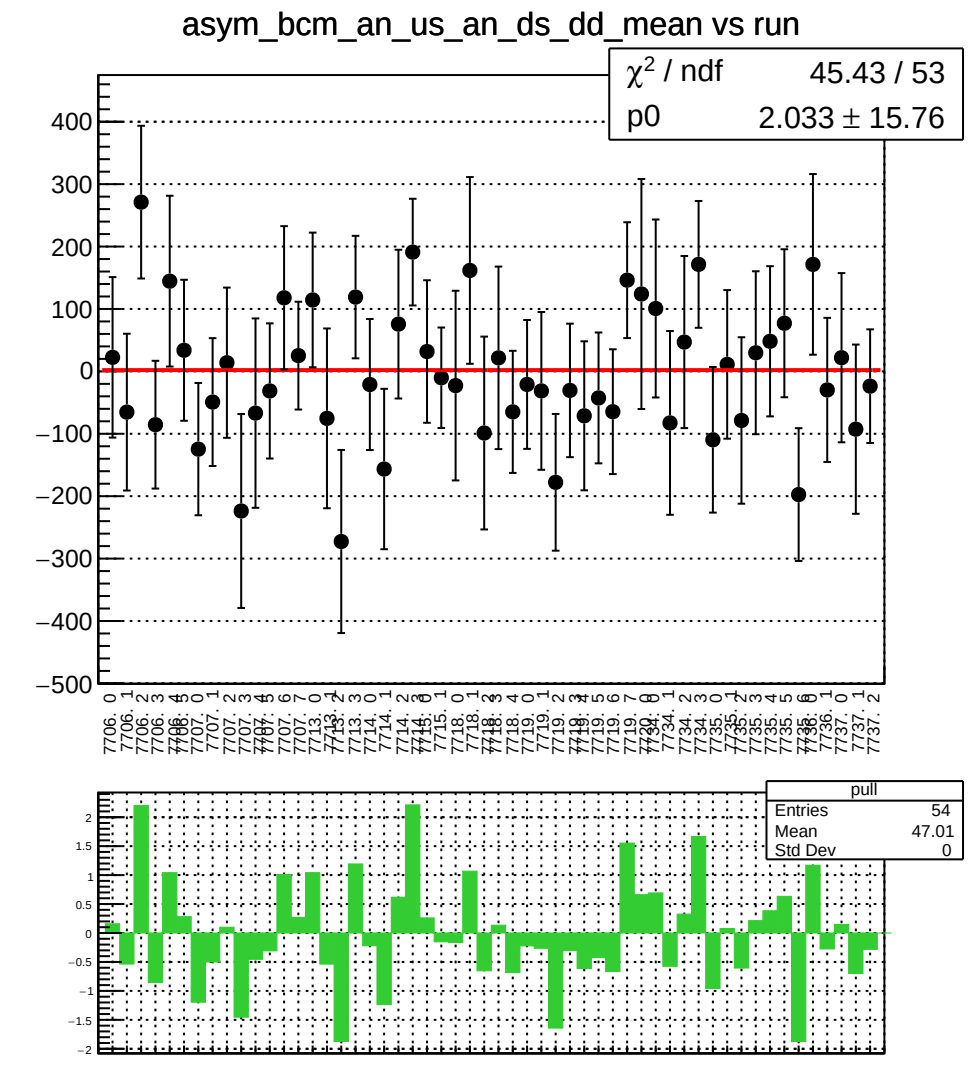

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 1.309e+04 / 53
p0 267.3 ± 0.261
300
280
260
240
220
200

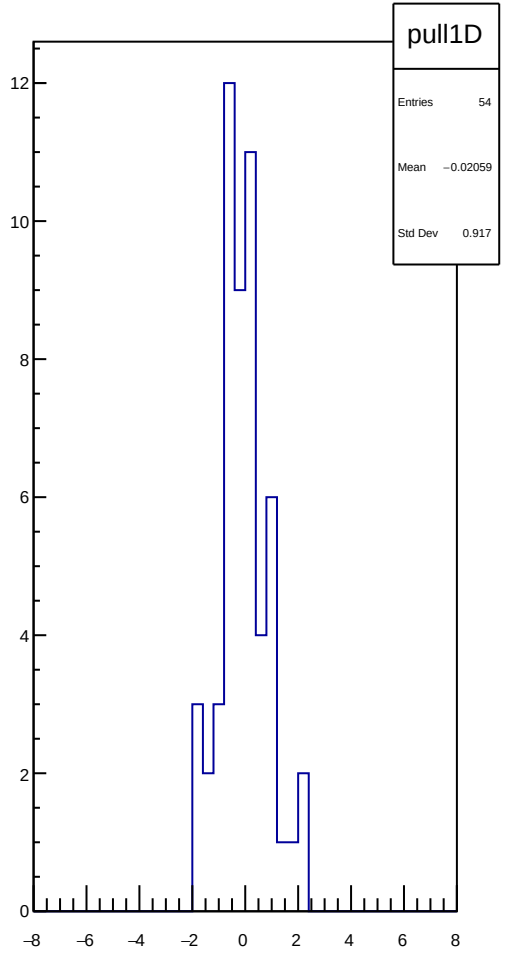

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 12.39 / 53
p0 −157.1± 124.9
pull
Entries 54
Mean −40.97
Std Dev 0
pull1D
Entries 54
Mean 0.006523
Std Dev 0.479

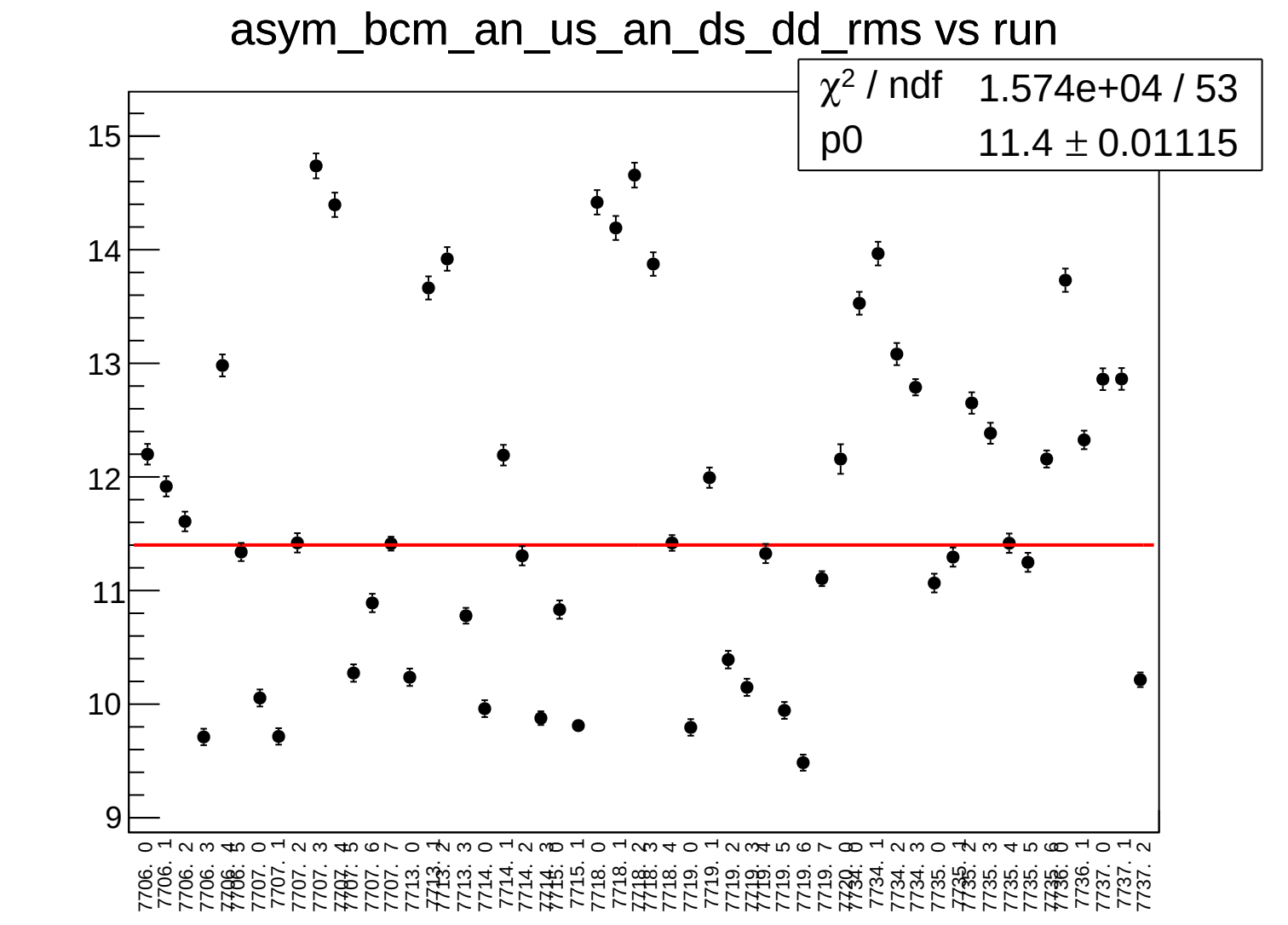

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 1.266e+04 / 53
p0 90.45 ± 0.0883
100
95
90
85
80
75
70
65

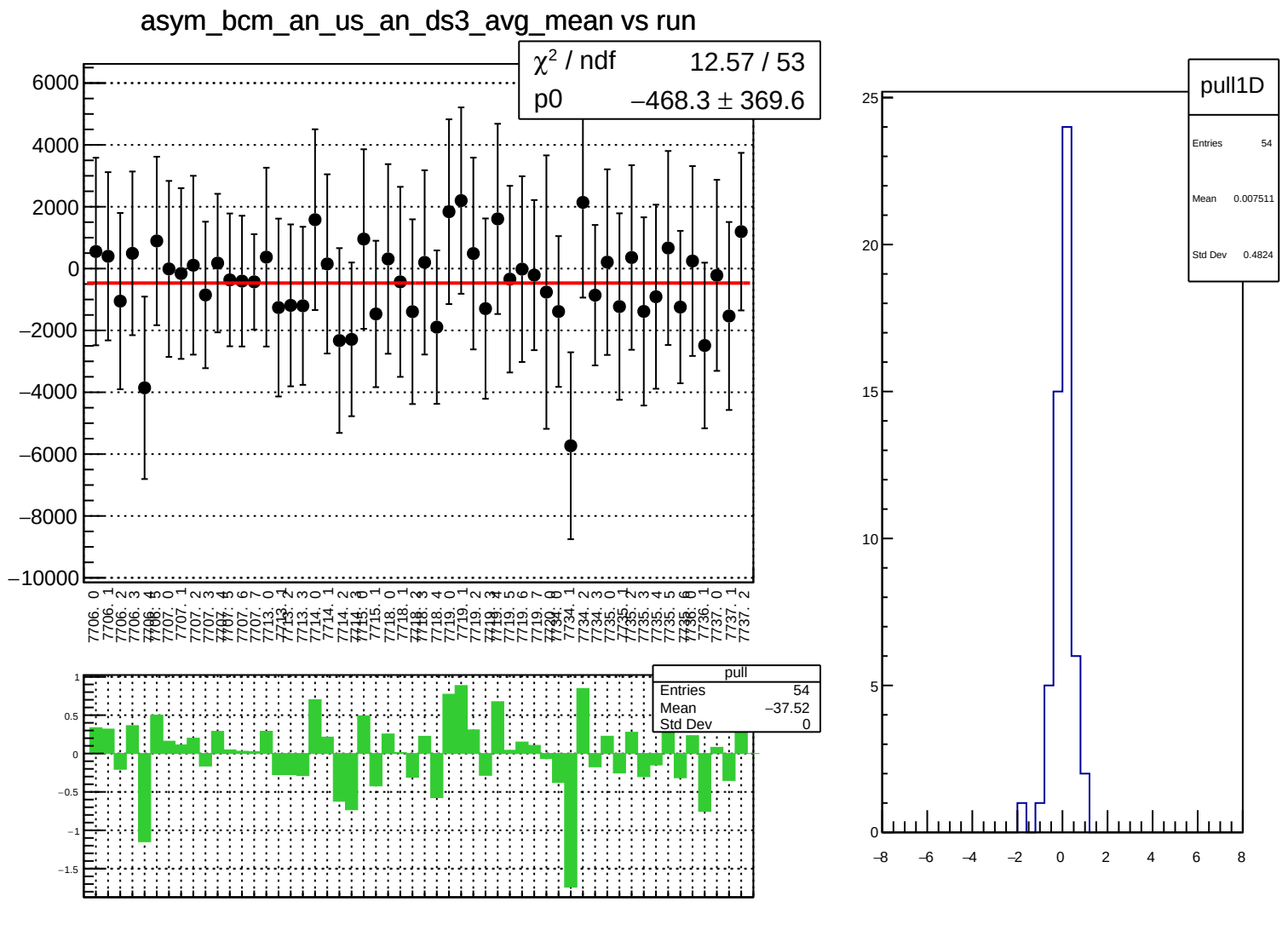

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 12.49 / 53
p0 −467.4 ± 368.8
pull
Entries 54
Mean −32.42
Std Dev 0
pull1D
Entries 54
Mean 0.00766
Std Dev 0.481

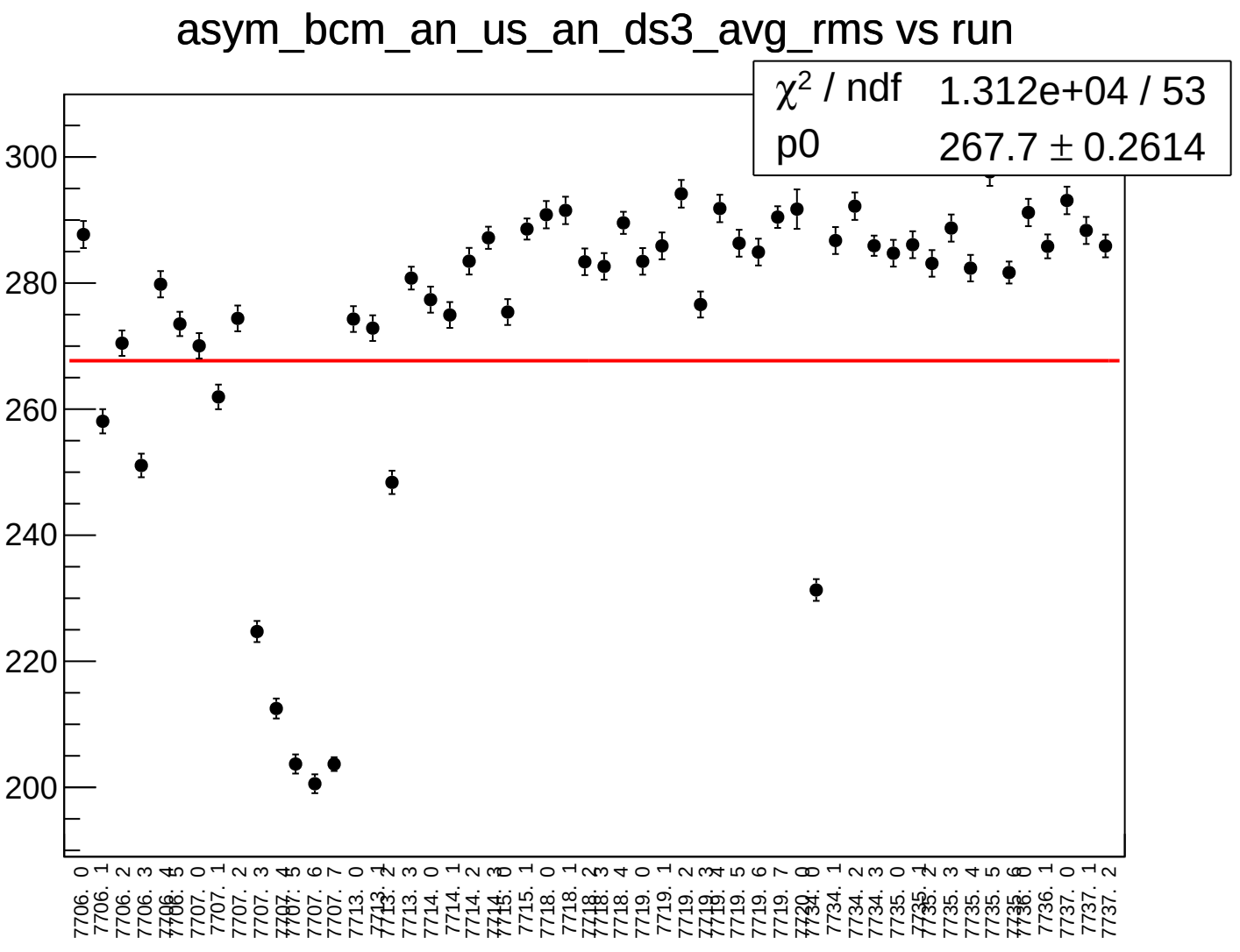

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 1.308e+04 / 53
p0 267.1 ± 0.2608
300
280
260
240
220
200

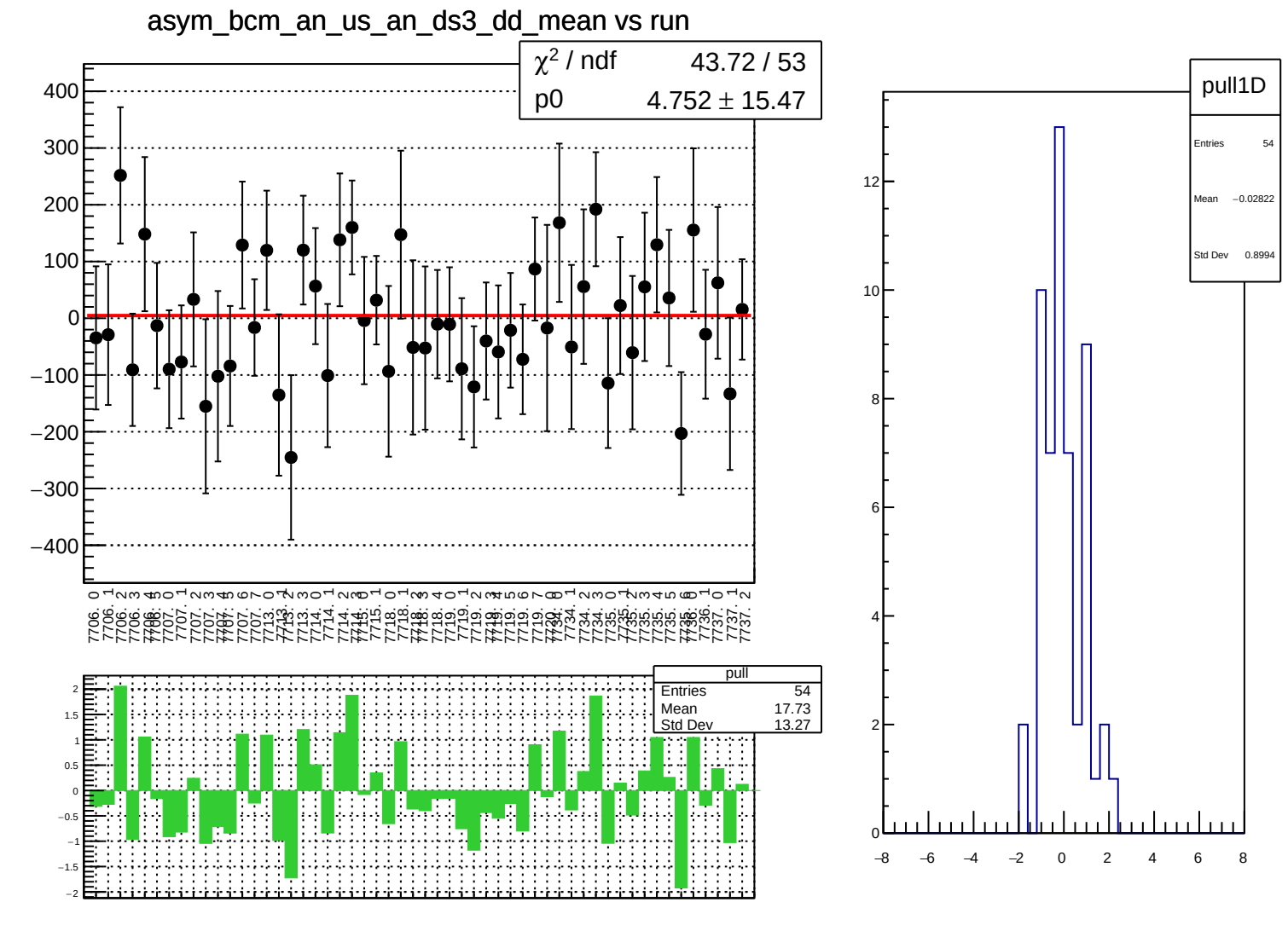

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 45.43 / 53
p0 2.033 ± 15.76
pull
Entries 54
Mean 47.01
Std Dev 0

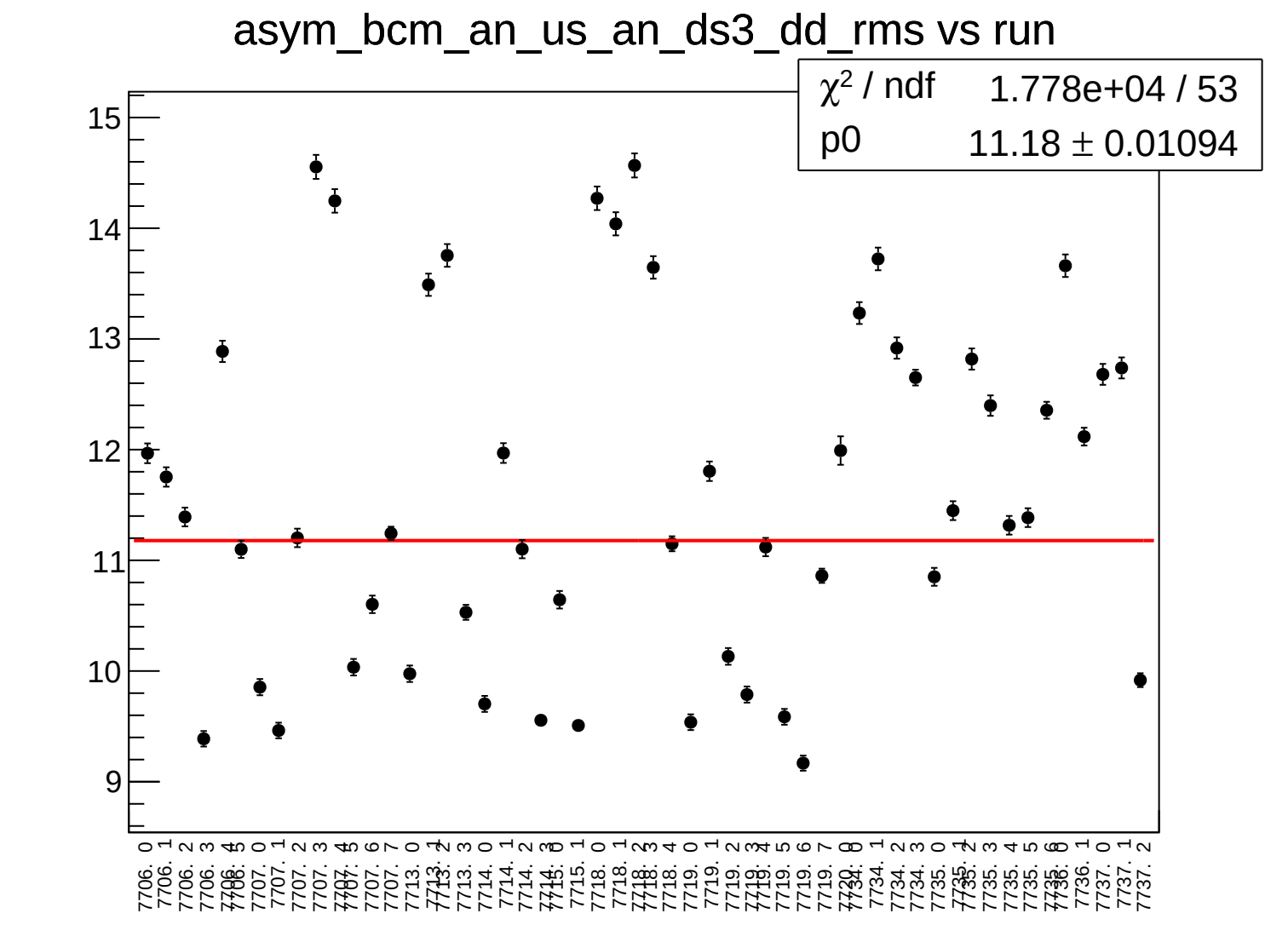

pull1D
Entries 54
Mean −0.02059
Std Dev 0.917

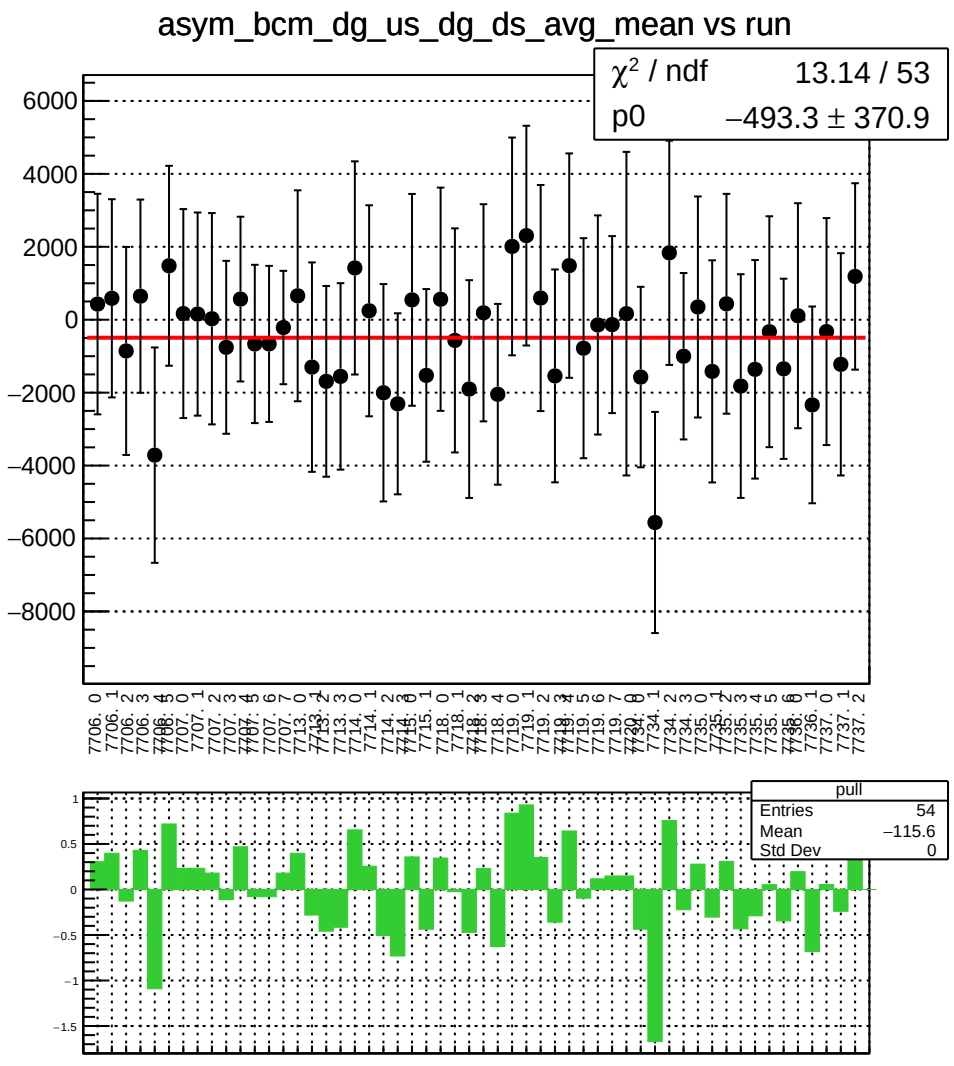

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1.574e+04 / 53
p0 11.4 ± 0.01115
15
14
13
12
11
10
9

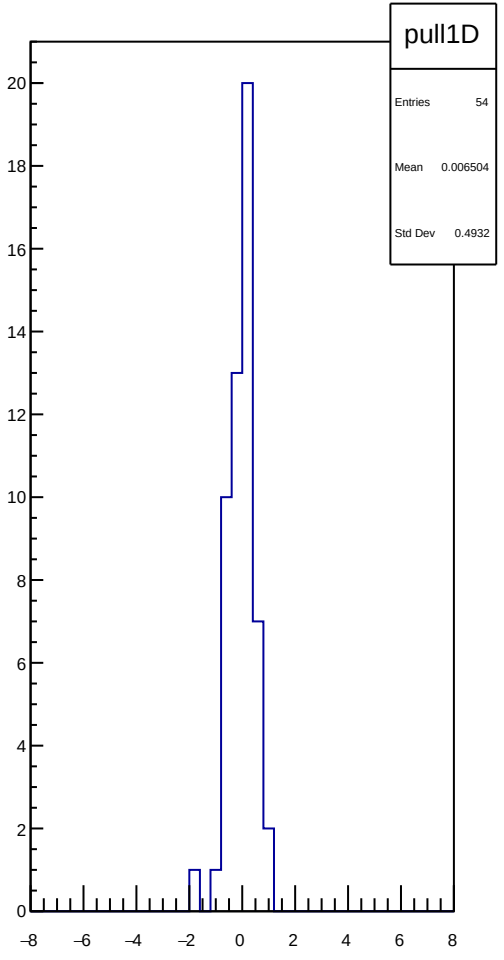

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 12.57 / 53
p0 −468.3 ± 369.6
pull
Entries 54
Mean −37.52
Std Dev 0
pull1D
Entries 54
Mean 0.007511
Std Dev 0.4824

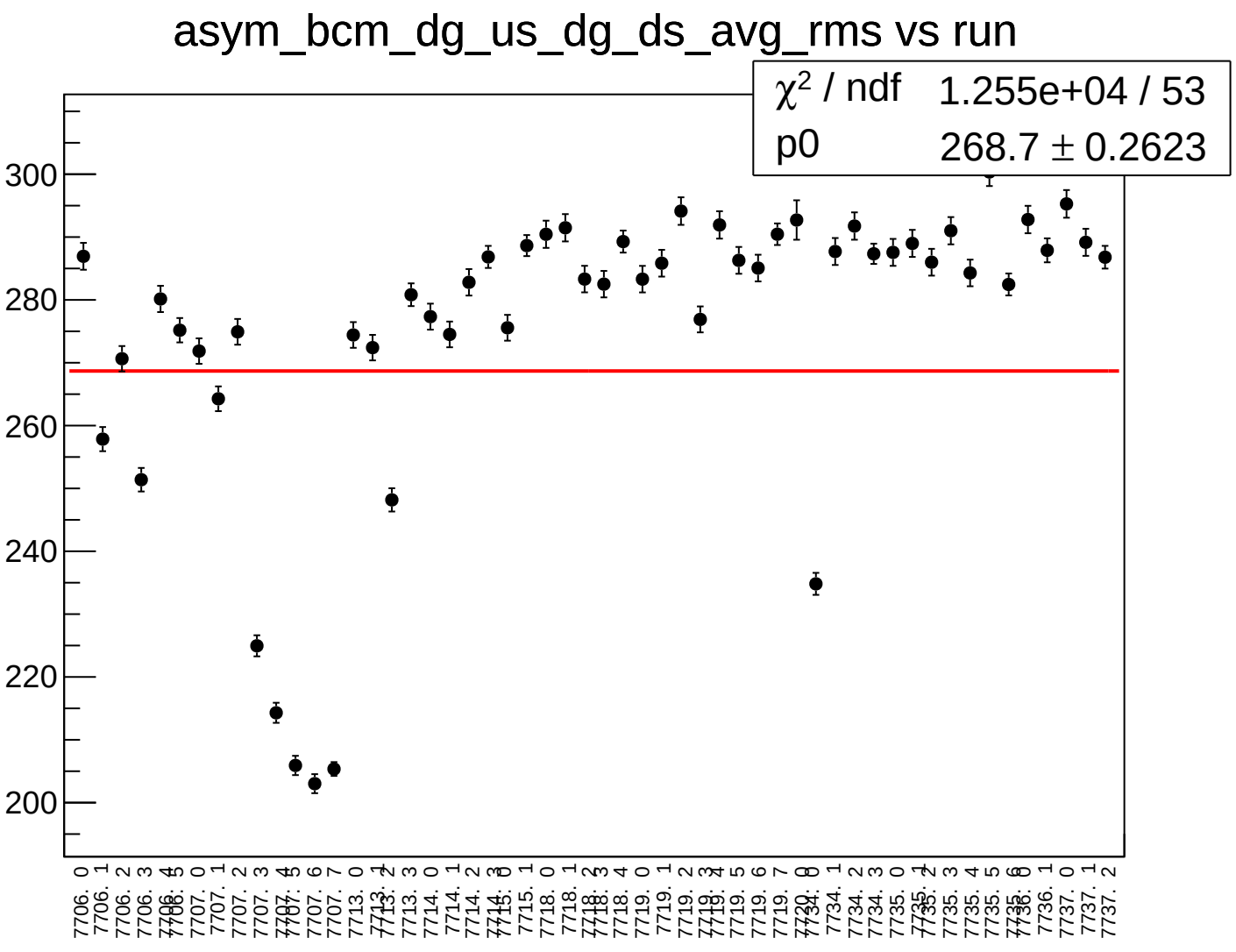

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 1.312e+04 / 53
p0 267.7 ± 0.2614
300
280
260
240
220
200

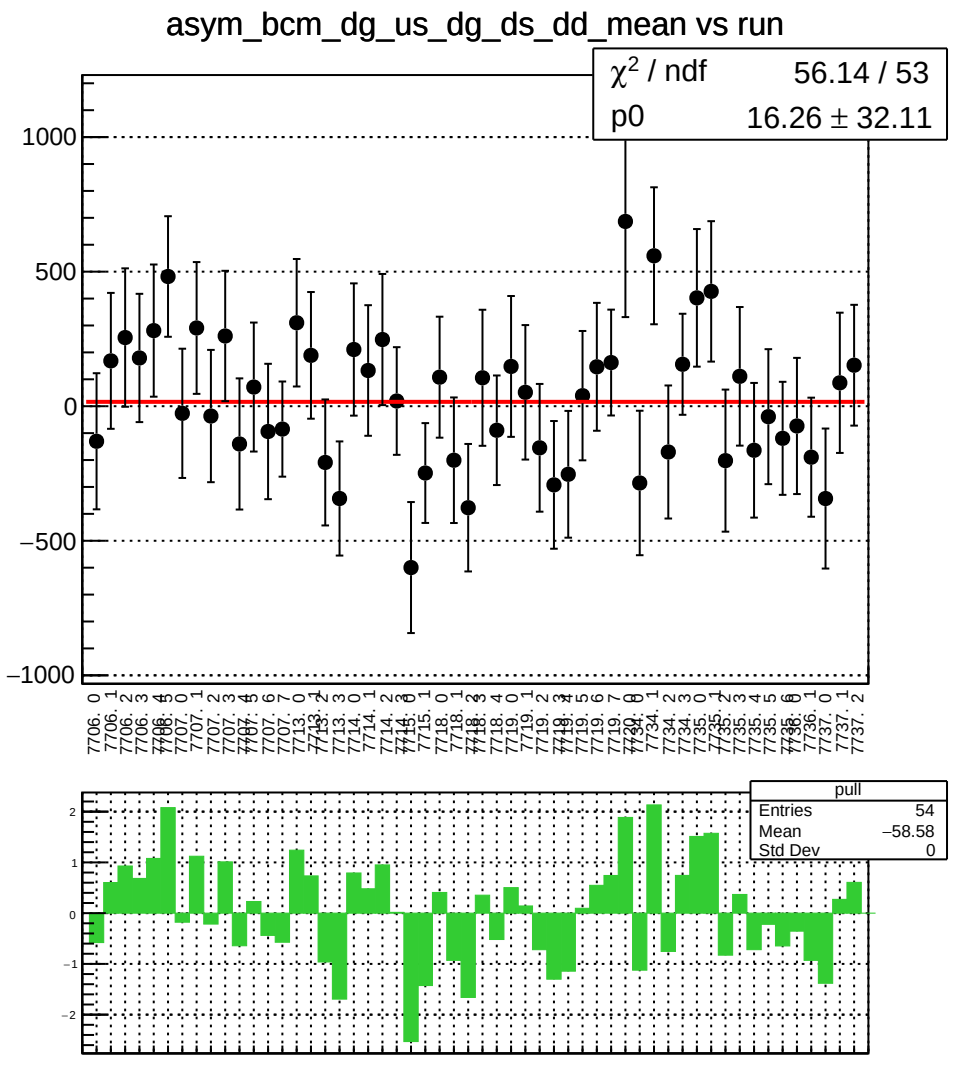

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 43.72 / 53
p0 4.752 ± 15.47
pull
Entries 54
Mean 17.73
Std Dev 13.27
pull1D
Entries 54
Mean −0.02822
Std Dev 0.8994

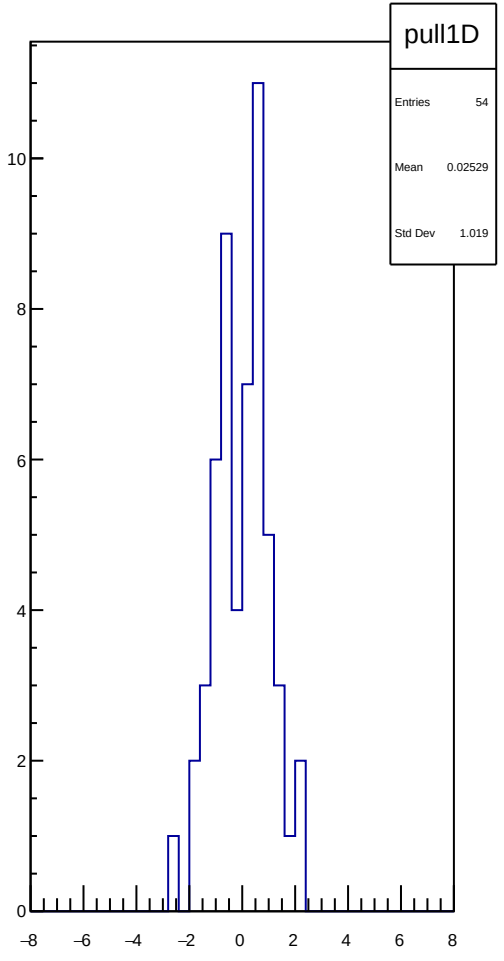

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.778e+04 / 53
p0 11.18 ± 0.01094
15
14
13
12
11
10
9
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

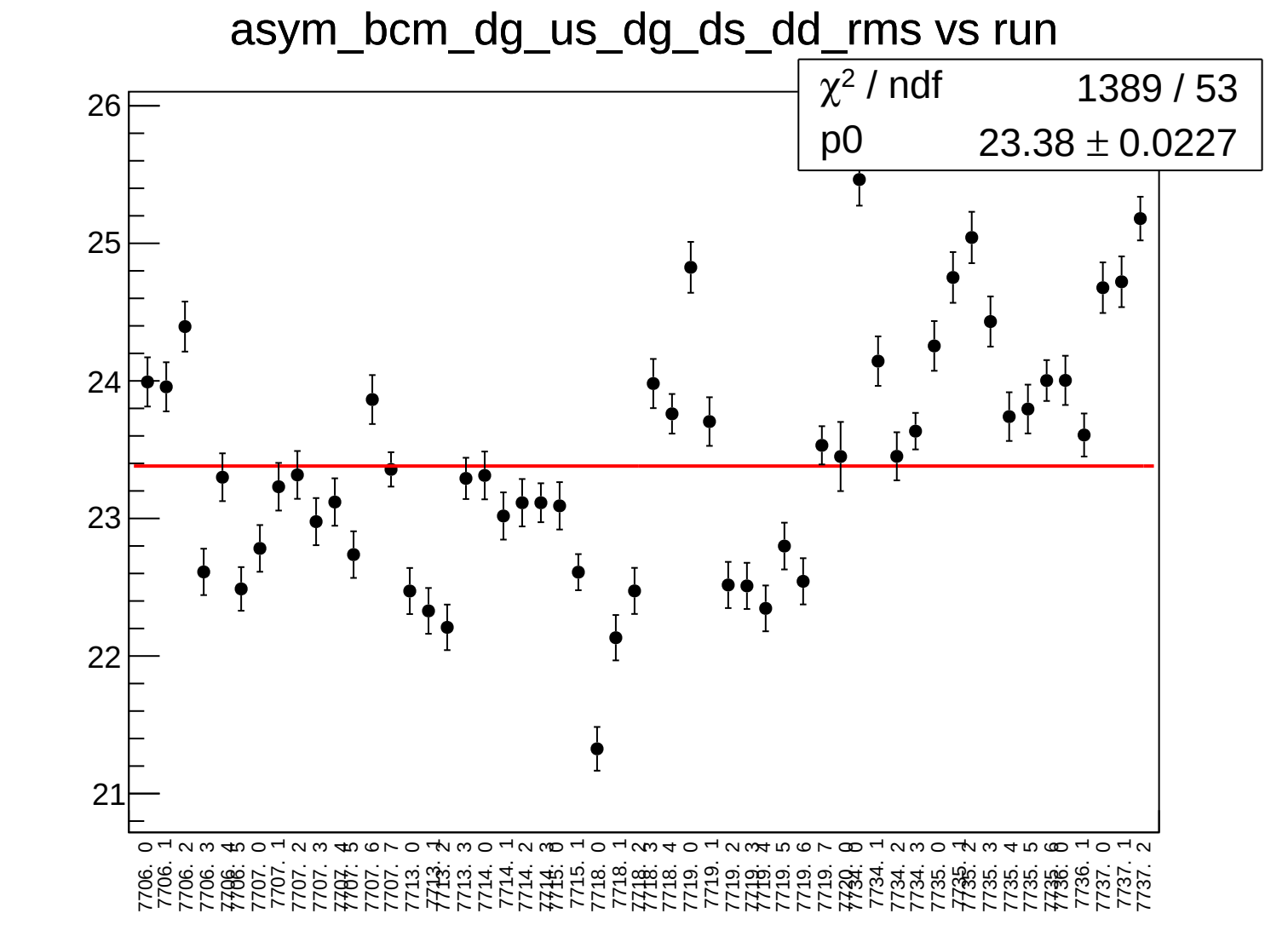

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 13.14 / 53
p0 −493.3 ± 370.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean −115.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

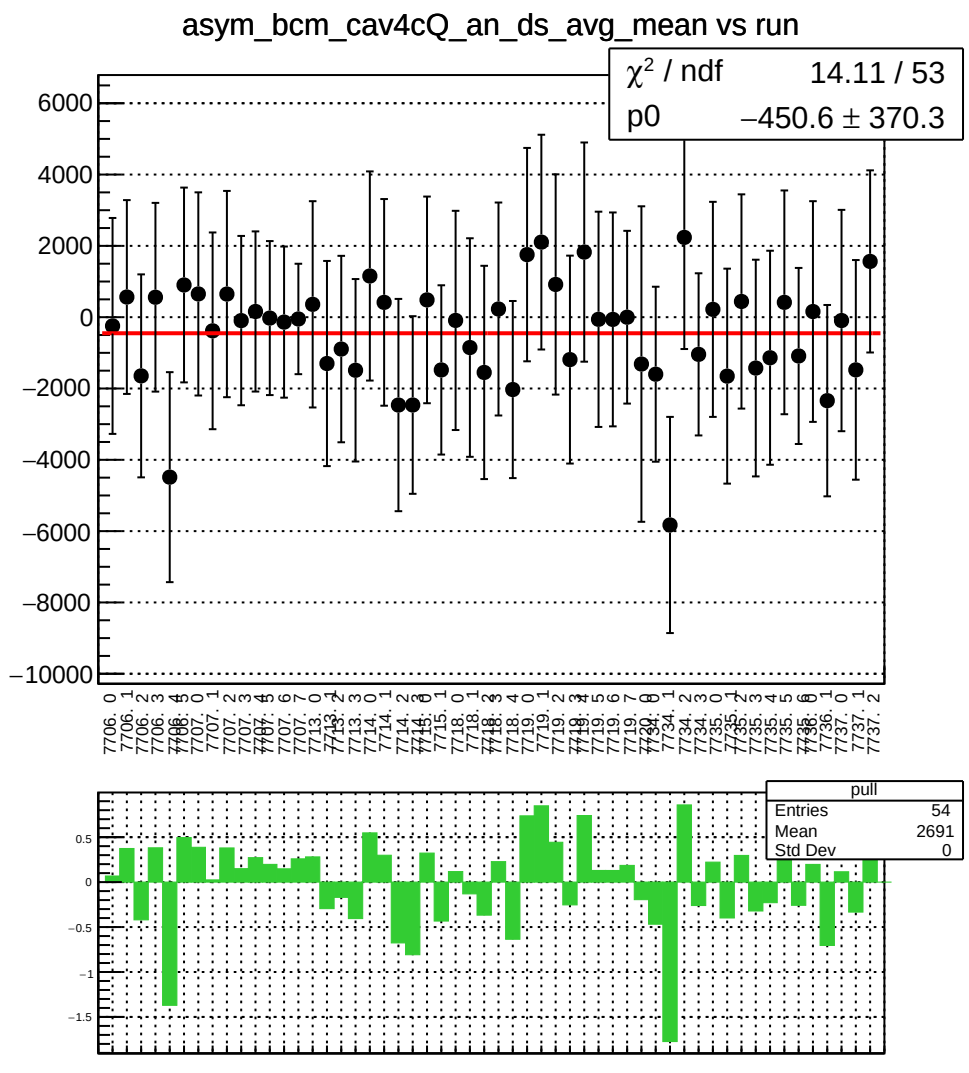

pull1D
Entries 54
Mean 0.006504
Std Dev 0.4932
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

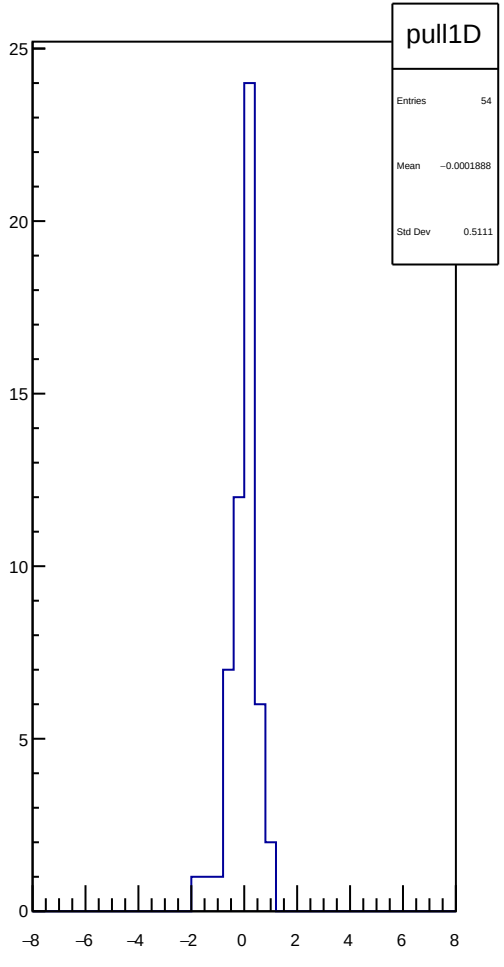

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 1.255e+04 / 53
p0 268.7 ± 0.2623
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

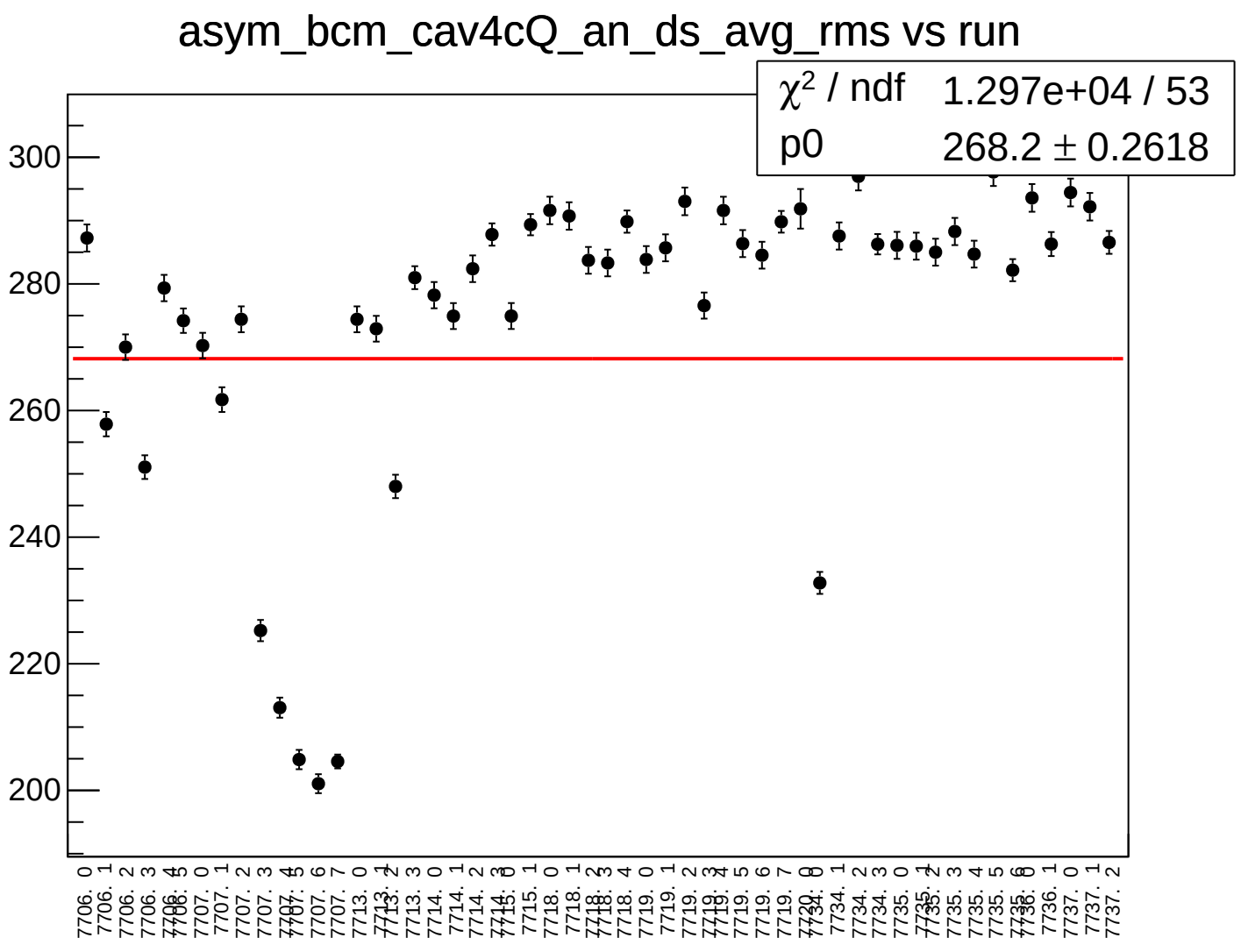

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 56.14 / 53
p0 16.26 ± 32.11
1000
500
0
−500
−1000
pull
Entries 54
Mean −58.58
Std Dev 0
2
1
0
−1
−2

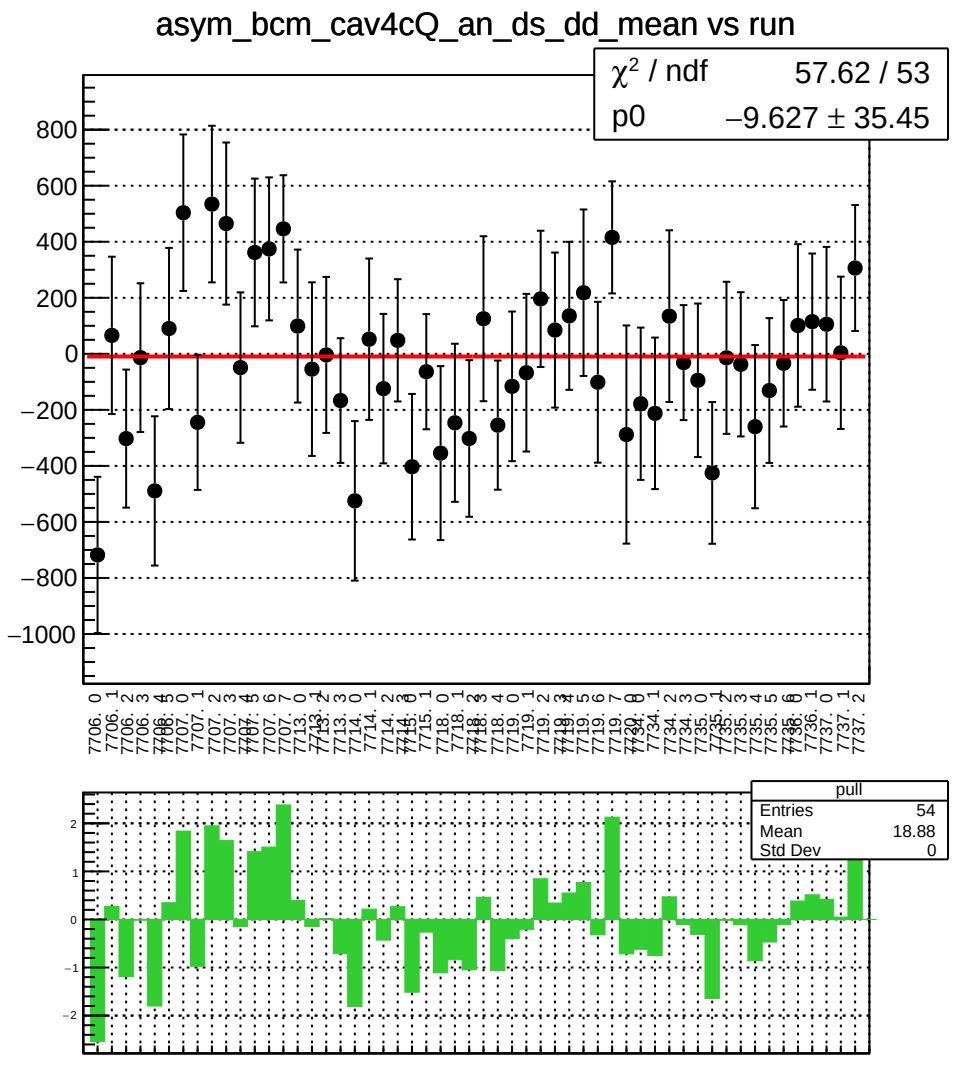

pull1D
Entries 54
Mean 0.02529
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

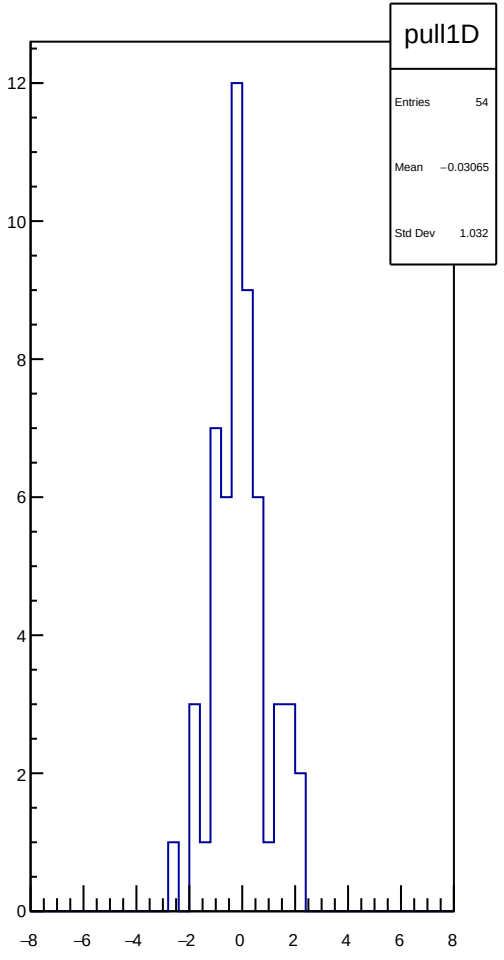

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1389 / 53
p0 23.38 ± 0.0227
26
25
24
23
22
21

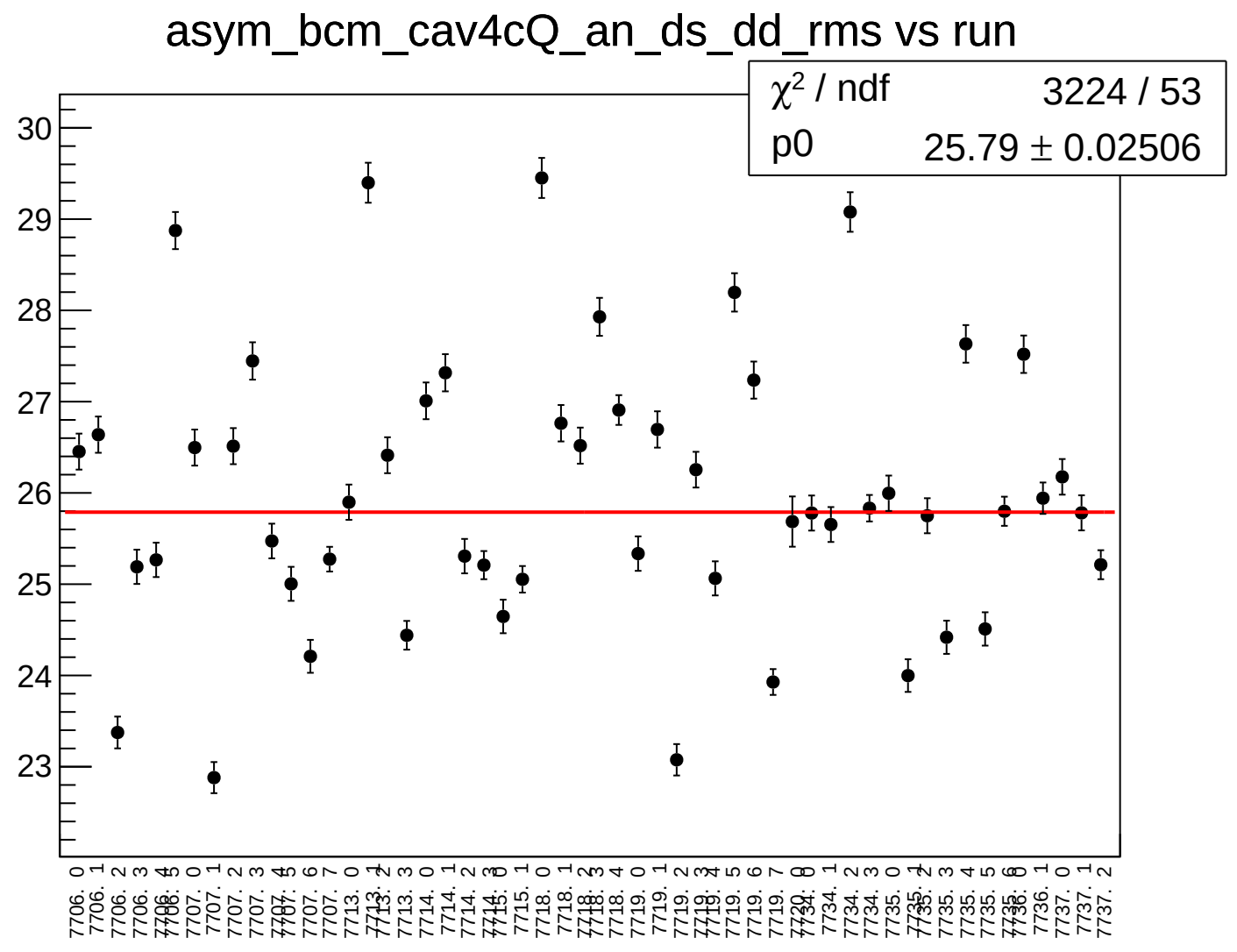

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 14.11 / 53
p0 −450.6 ± 370.3
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 54
Mean 2691
Std Dev 0
0.5
0
−0.5
−1
−1.5

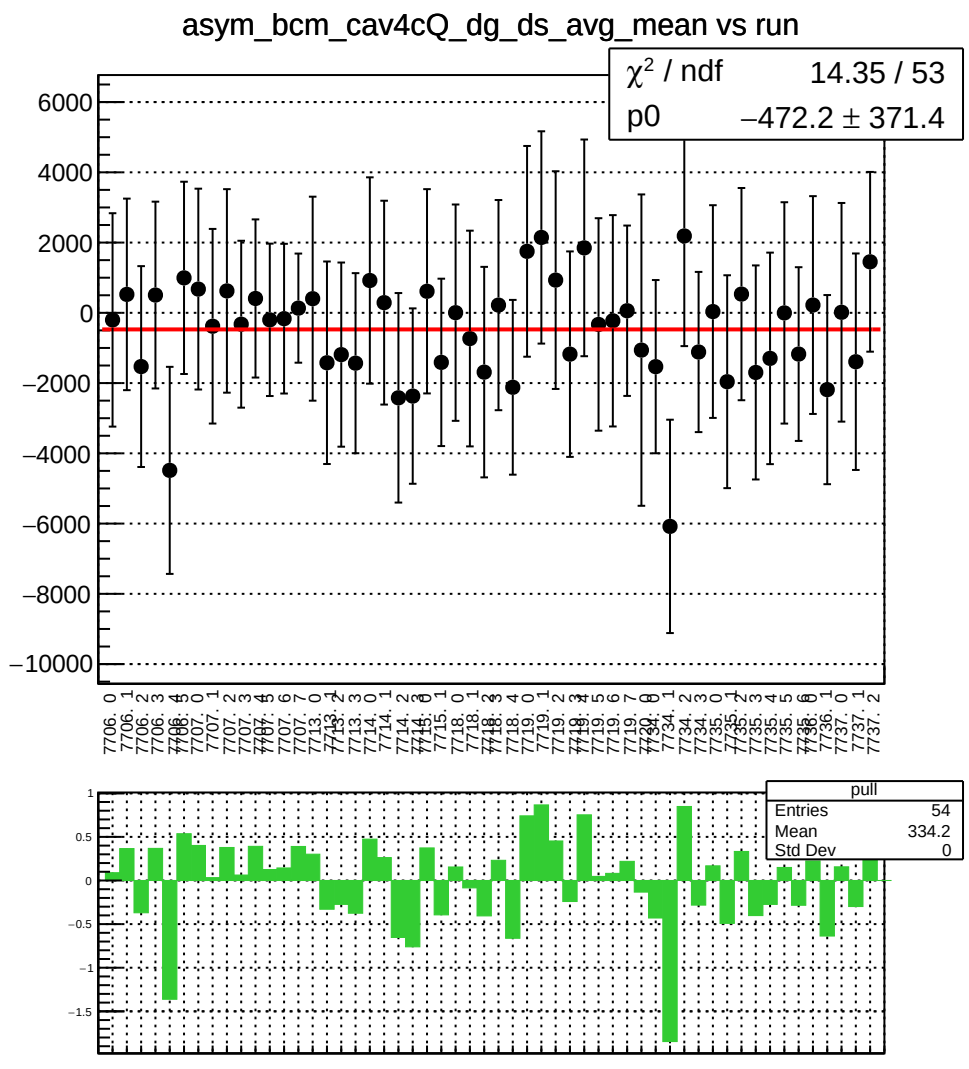

pull1D
Entries 54
Mean −0.0001888
Std Dev 0.5111
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

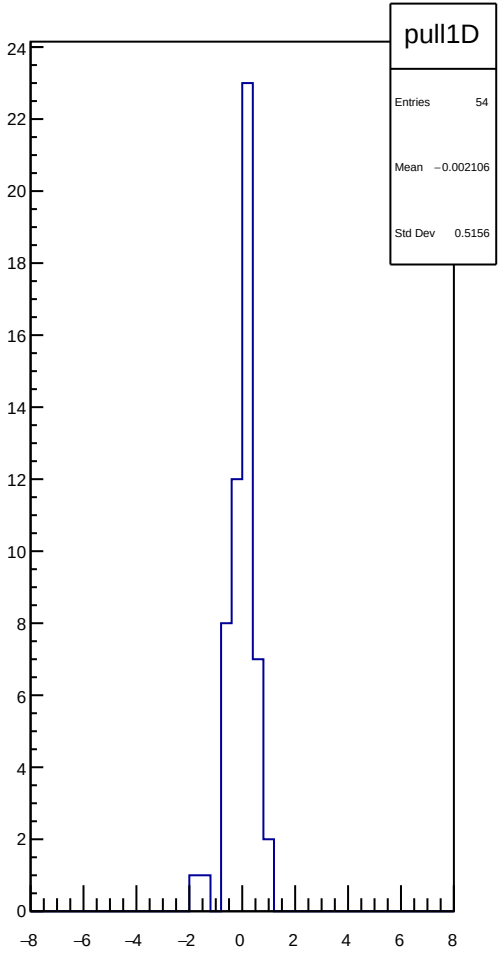

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 1.297e+04 / 53
p0 268.2 ± 0.2618
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

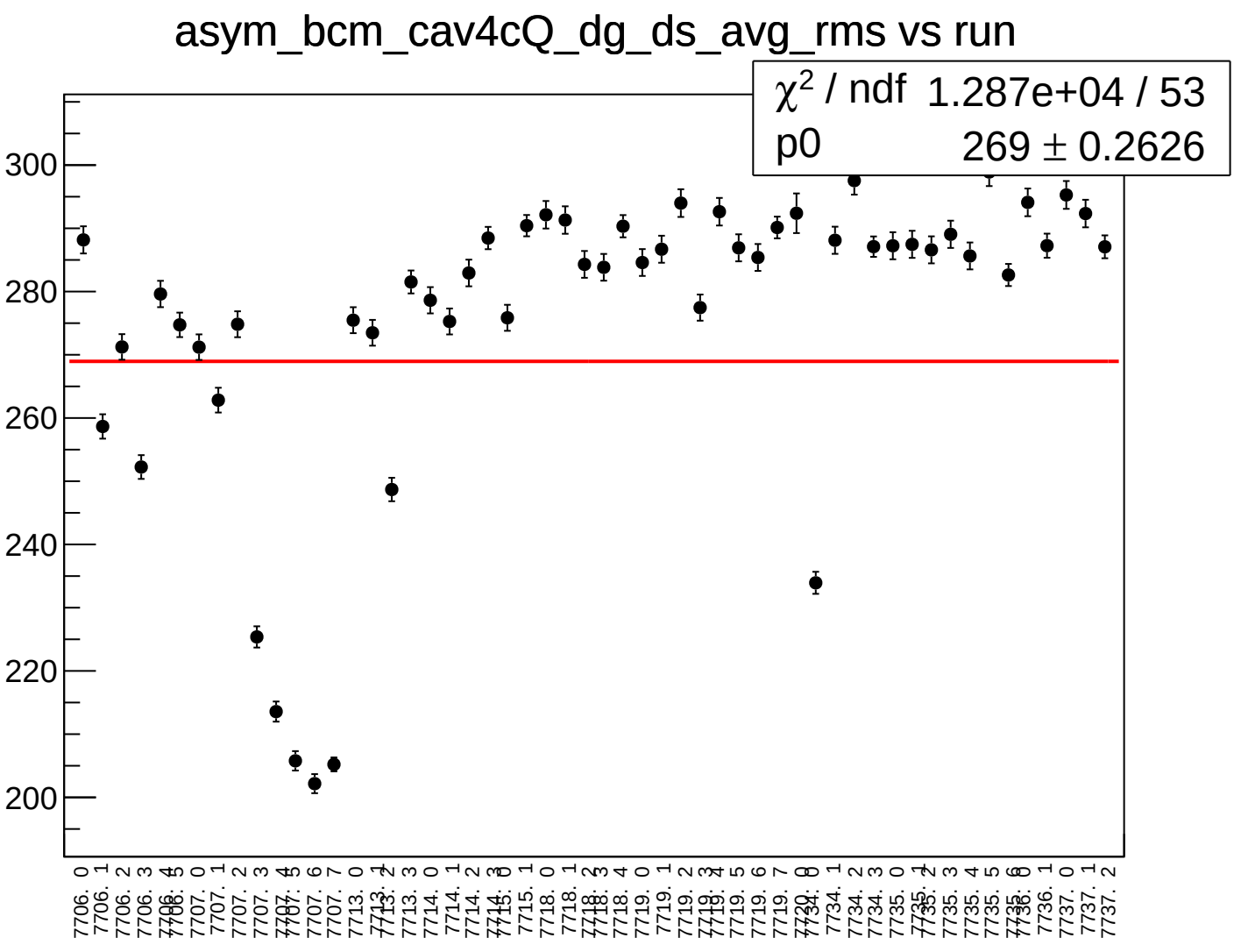

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 57.62 / 53
p0 −9.627 ± 35.45
pull
Entries 54
Mean 18.88
Std Dev 0

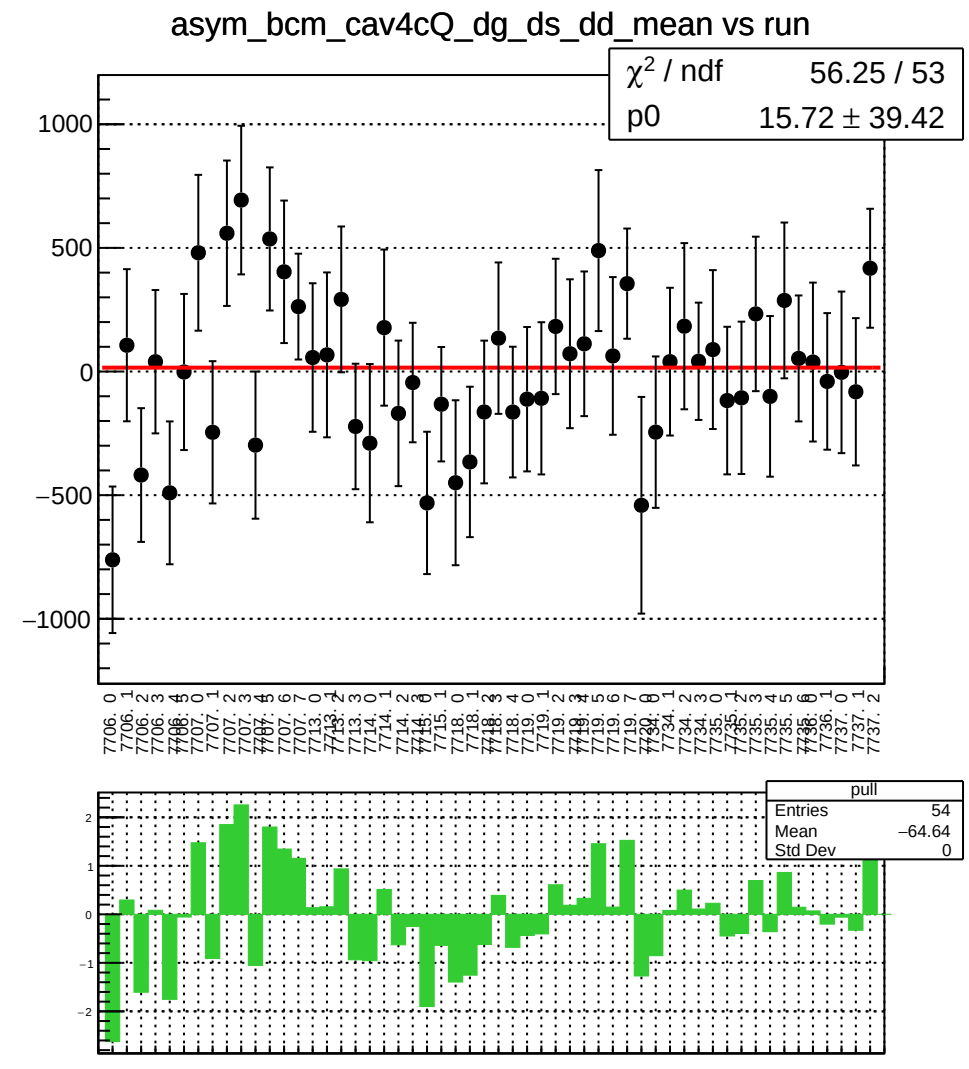

pull1D
Entries 54
Mean −0.03065
Std Dev 1.032

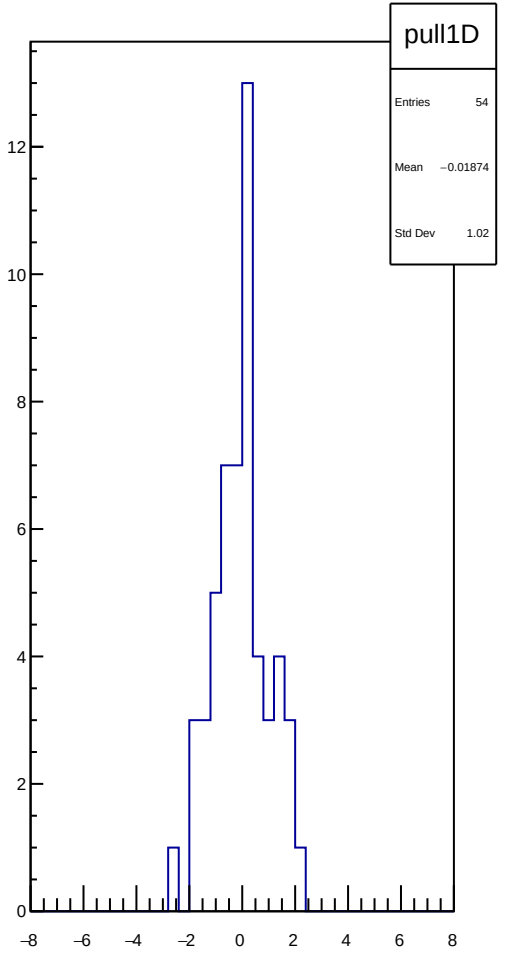

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 3224 / 53
p0 25.79 ± 0.02506
30
29
28
27
26
25
24
23

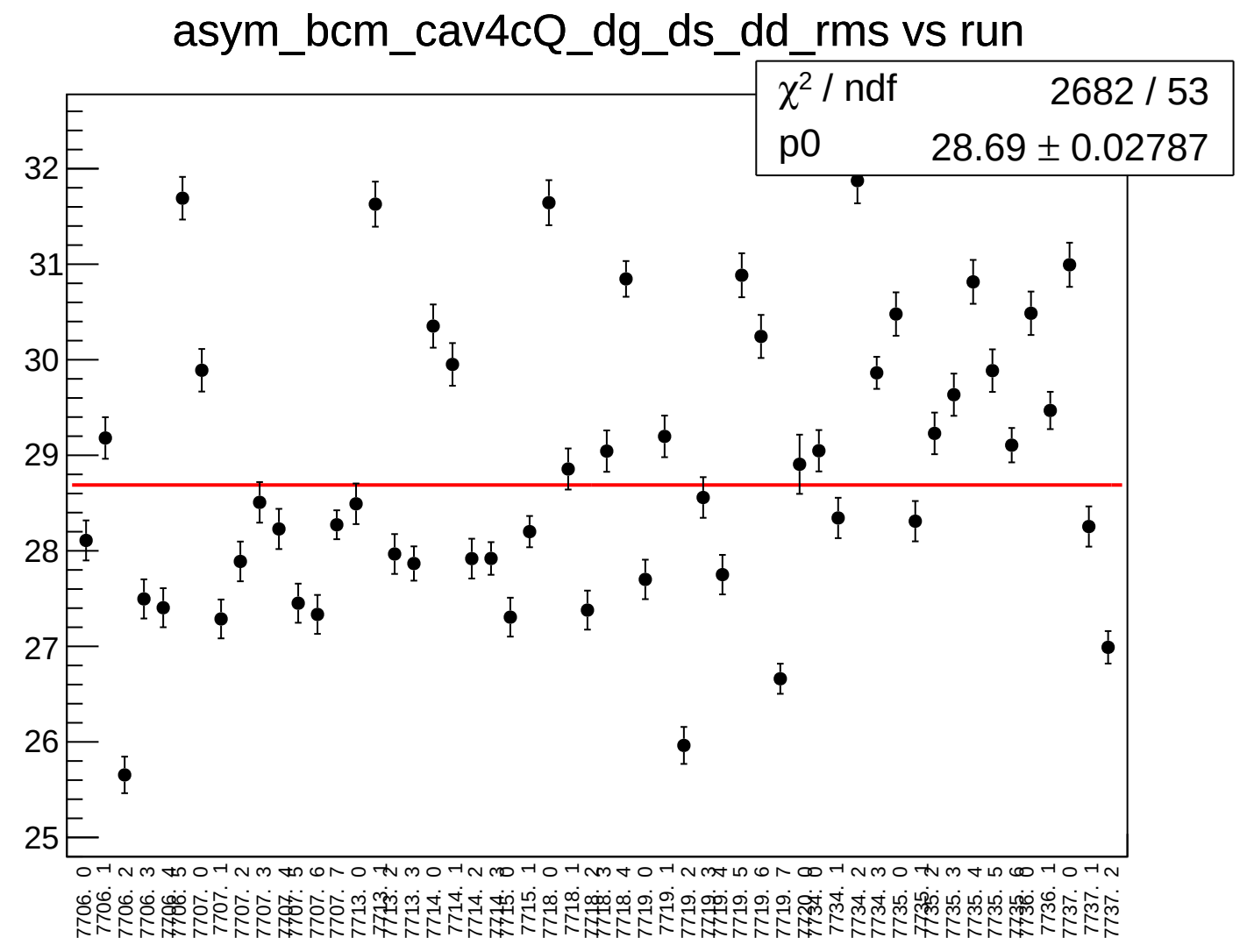

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 14.35 / 53
p0 −472.2 ± 371.4
pull
Entries 54
Mean 334.2
Std Dev 0

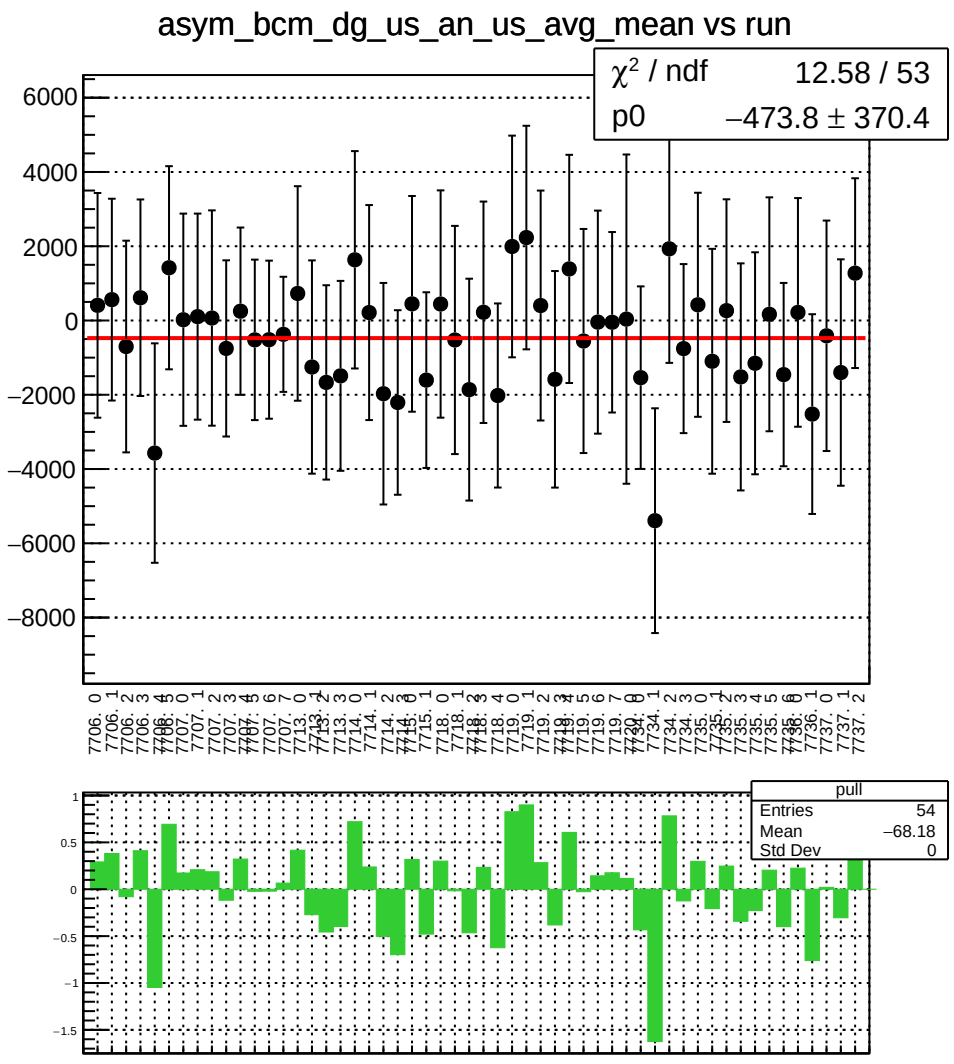

pull1D
Entries 54
Mean −0.002106
Std Dev 0.5156

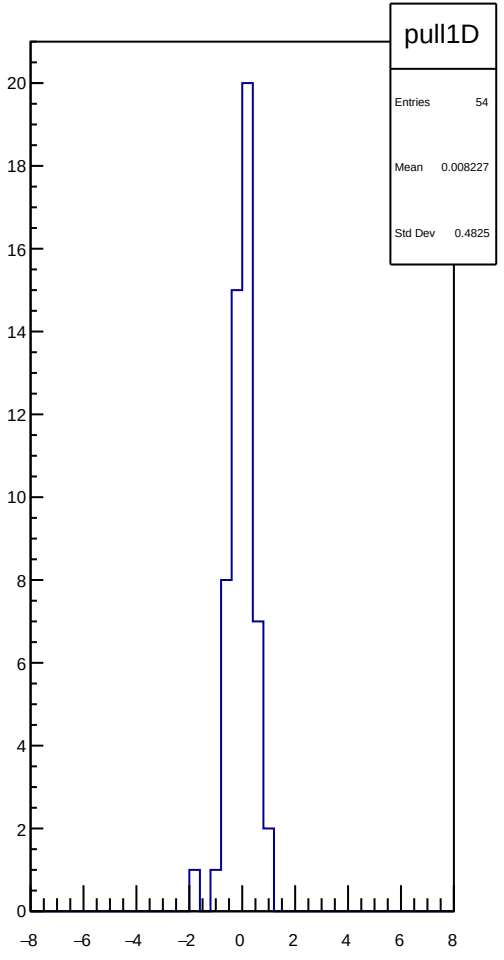

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 1.287e+04 / 53
p0 269 ± 0.2626
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

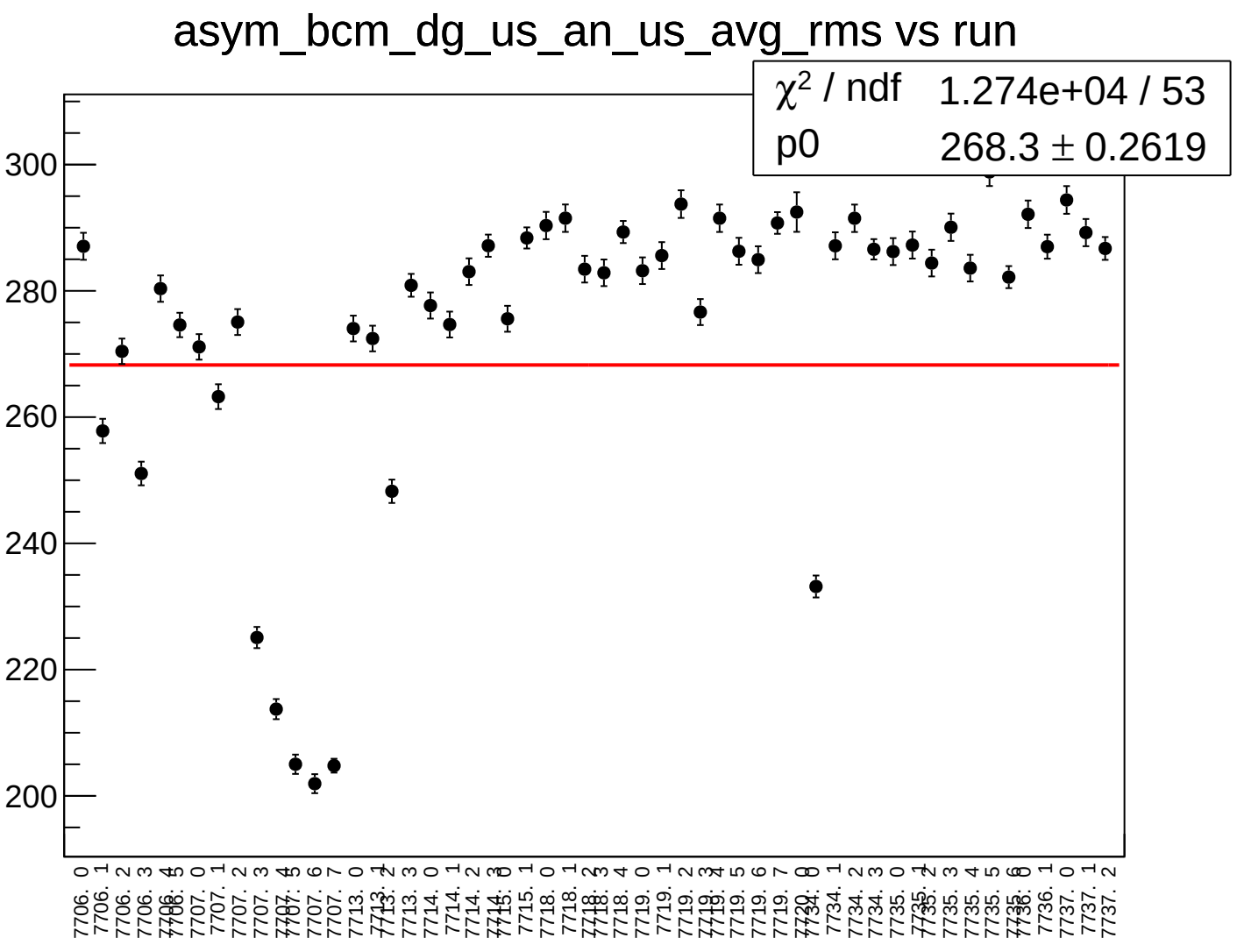

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 56.25 / 53
p0 15.72 ± 39.42
1000
500
0
−500
−1000
pull
Entries 54
Mean −64.64
Std Dev 0
2
1
0
−1
−2

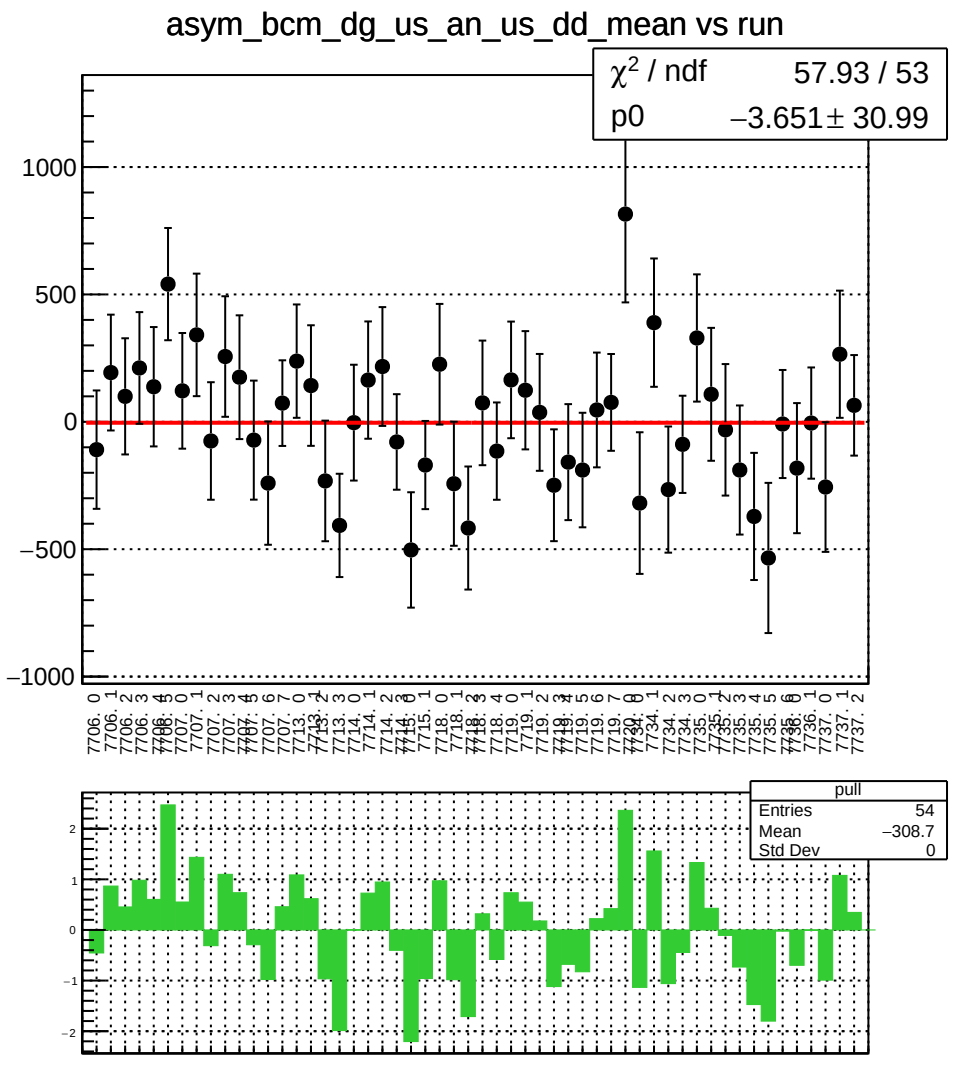

pull1D
Entries 54
Mean −0.01874
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

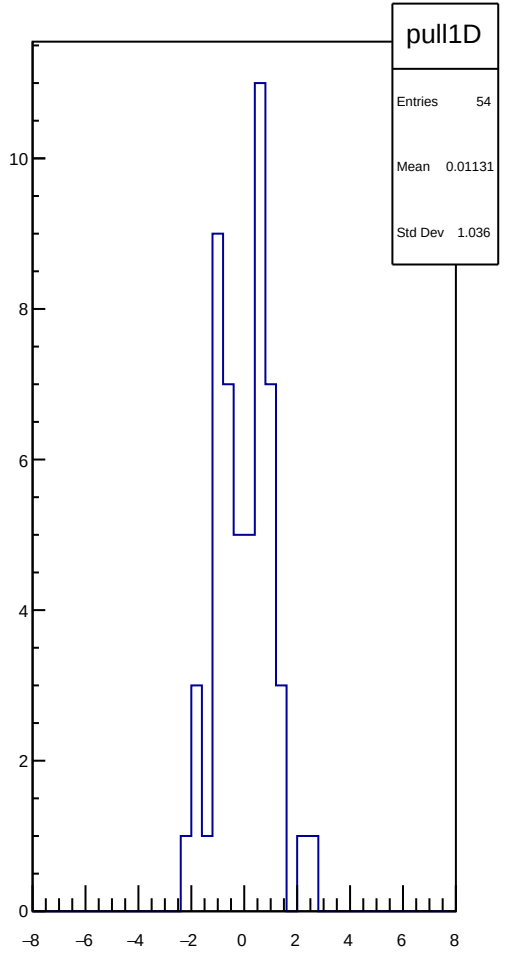

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 2682 / 53
p0 28.69 ± 0.02787
32
31
30
29
28
27
26
25

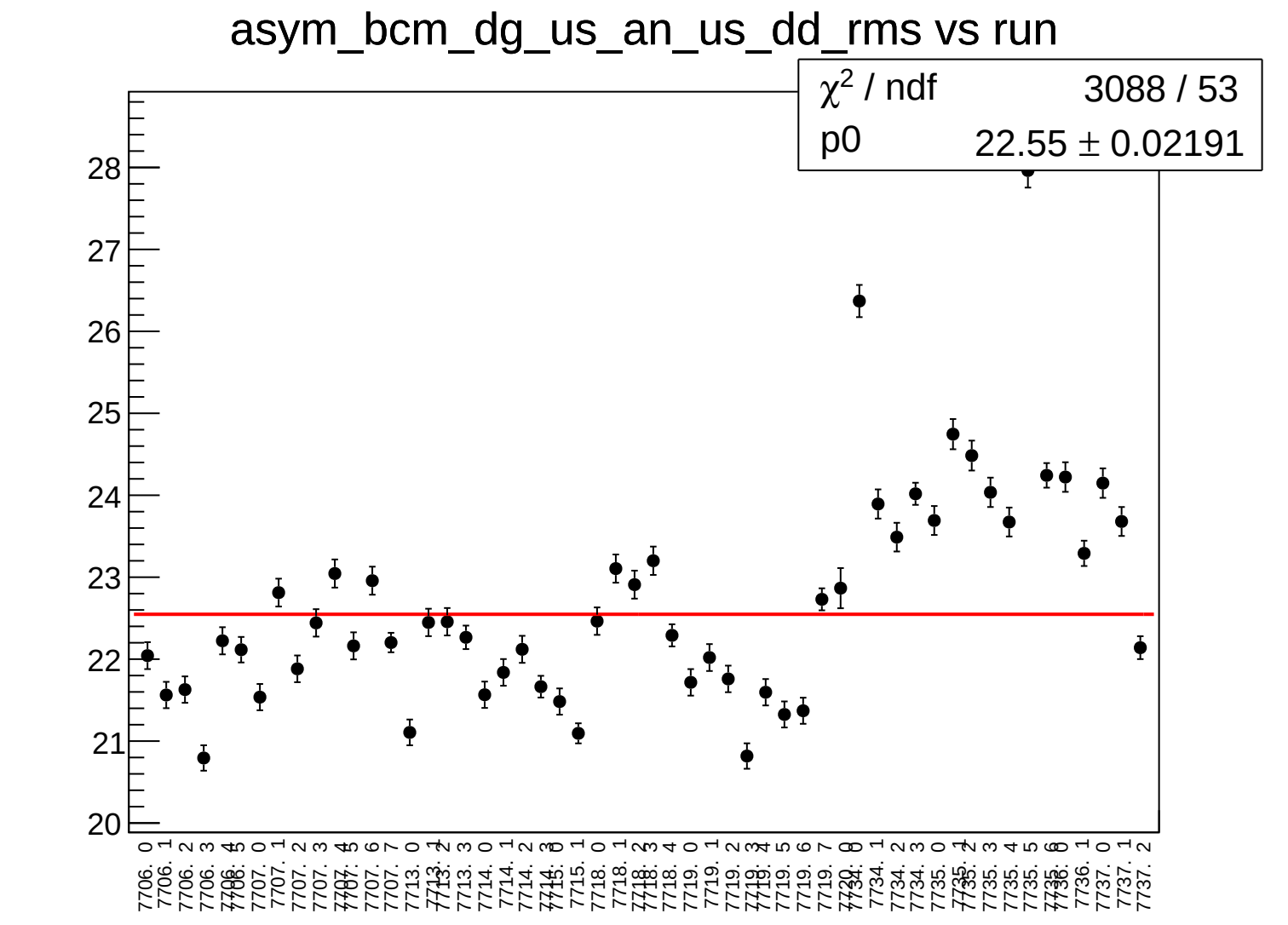

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 12.58 / 53
p0 −473.8 ± 370.4
pull
Entries 54
Mean −68.18
Std Dev 0

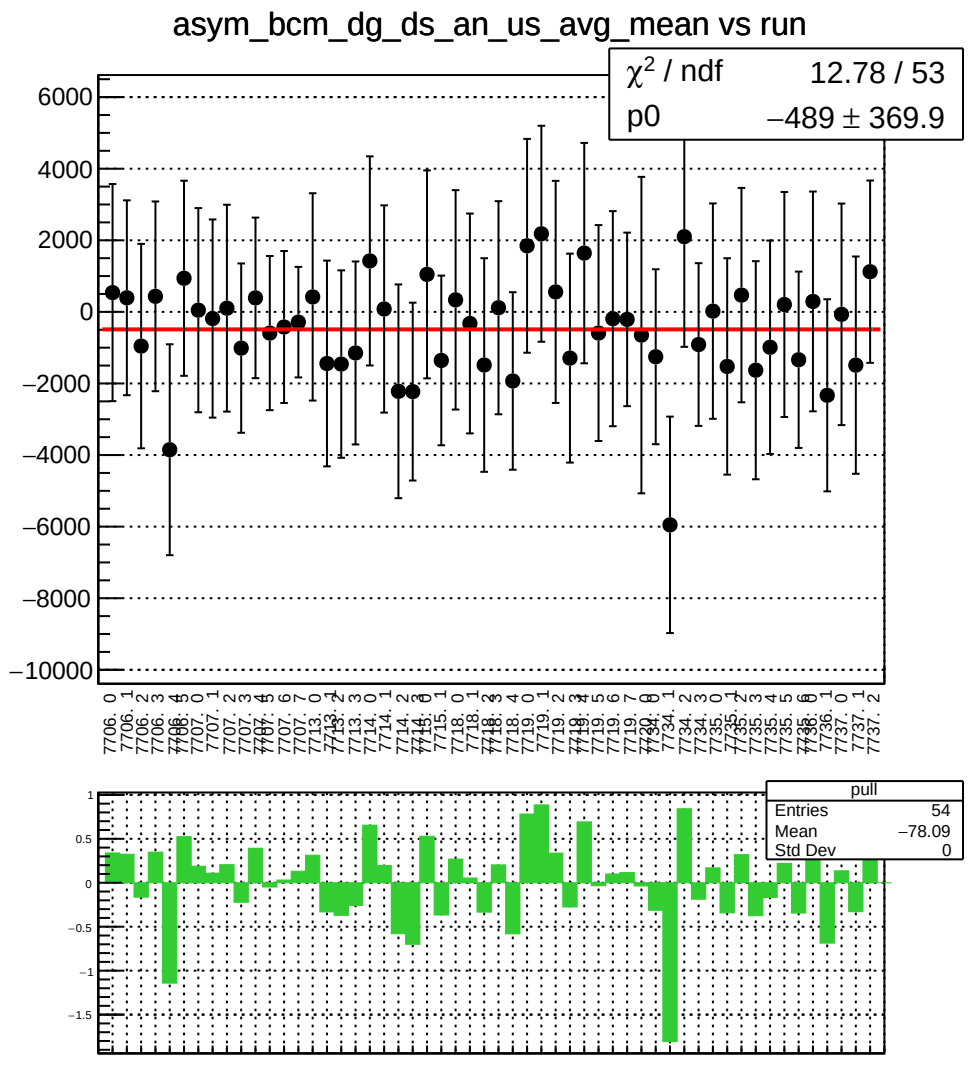

pull1D
Entries 54
Mean 0.008227
Std Dev 0.4825

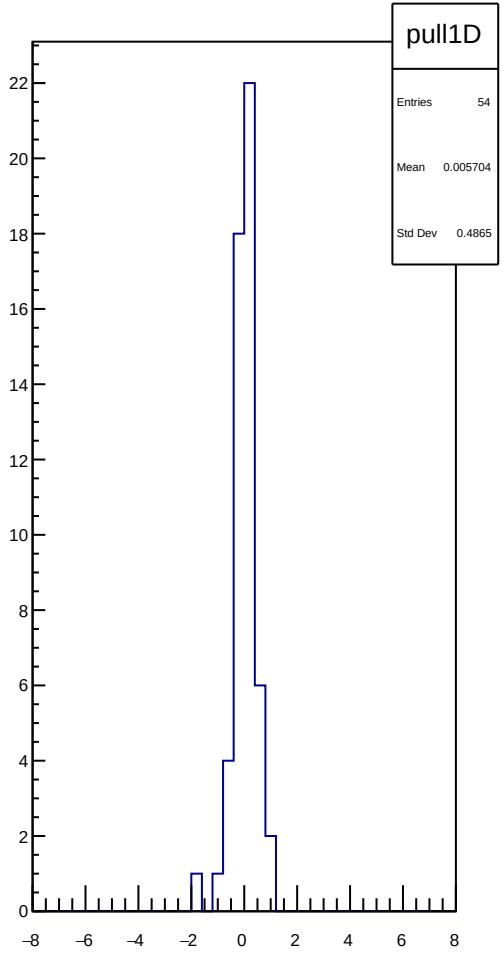

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 1.274e+04 / 53
p0 268.3 ± 0.2619
300
280
260
240
220
200

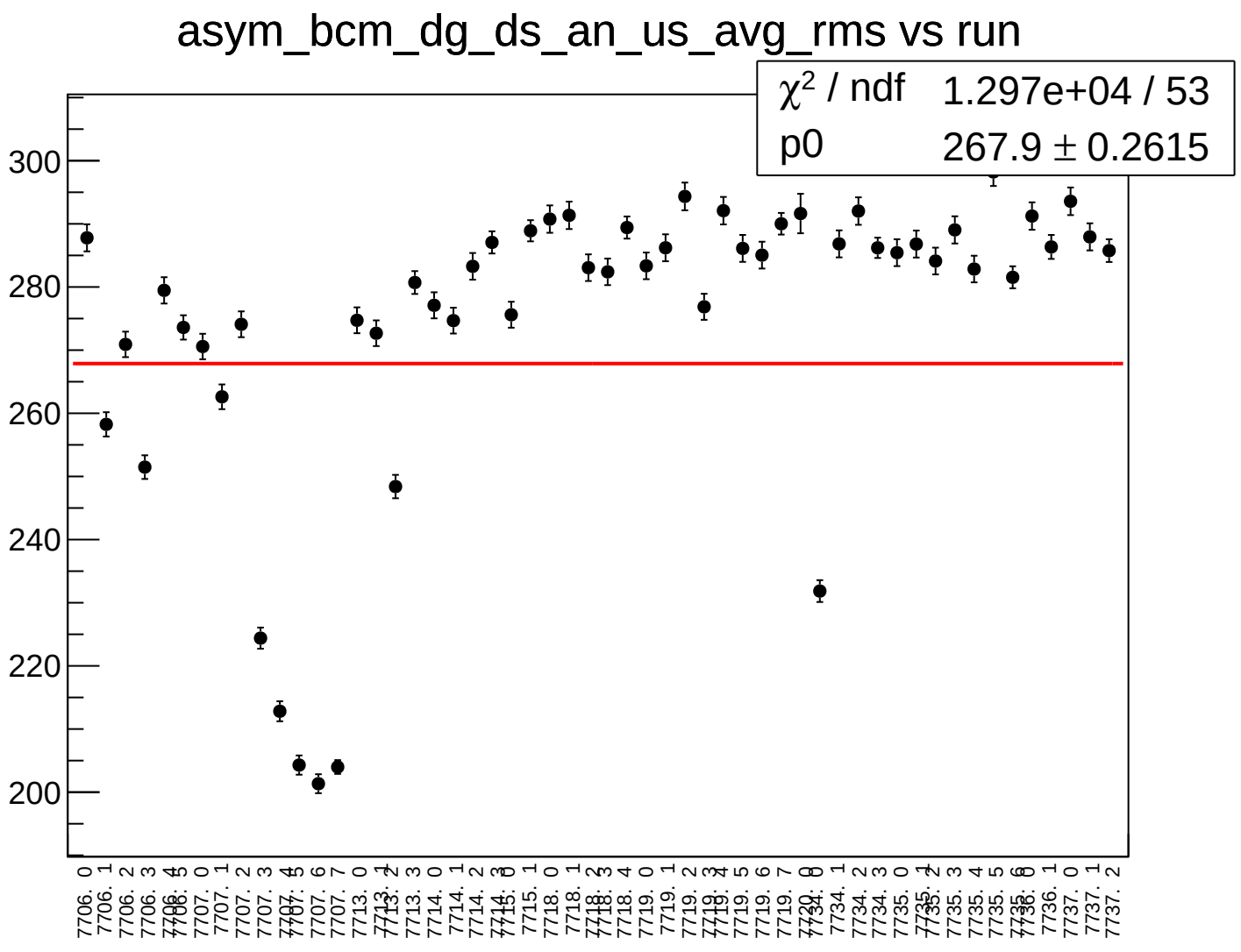

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 57.93 / 53
p0 −3.651 ± 30.99
1000
500
0
−500
−1000
pull
Entries 54
Mean −308.7
Std Dev 0
2
1
0
−1
−2

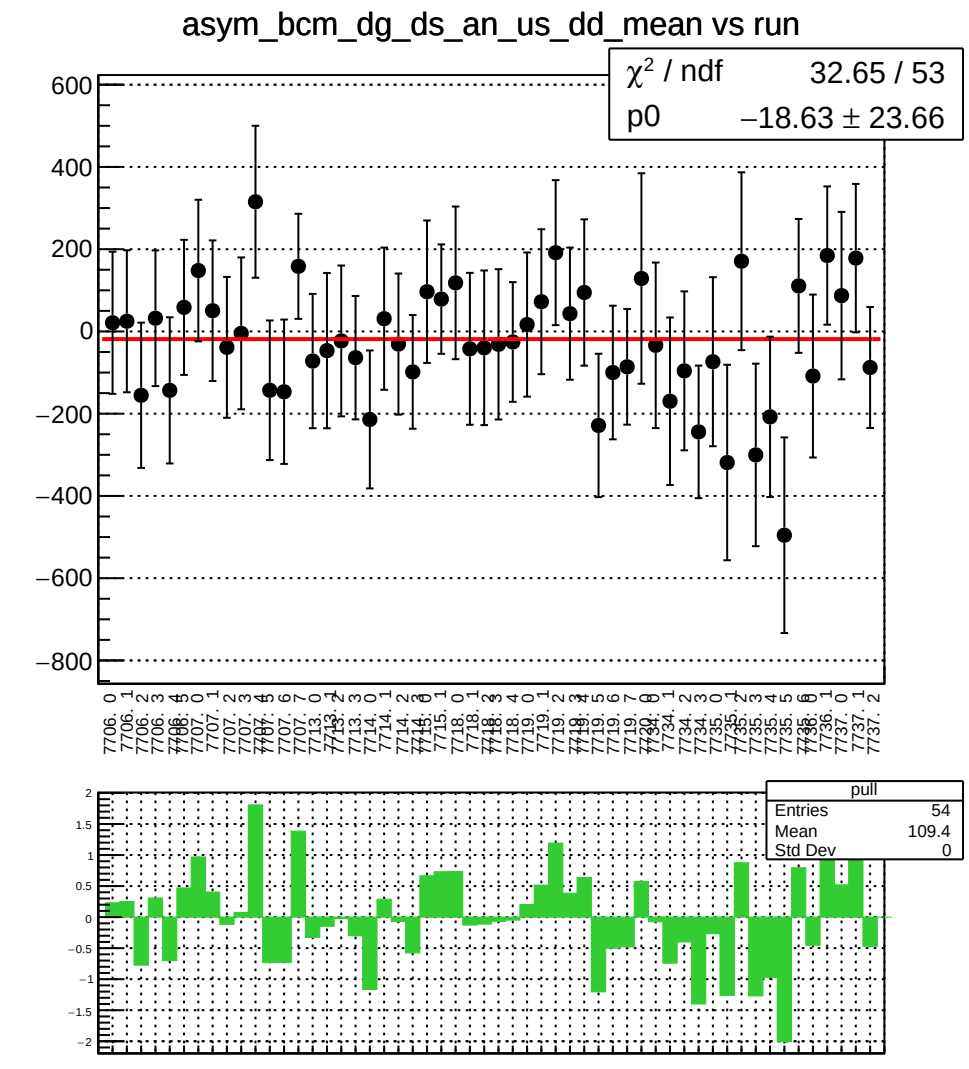

pull1D
Entries 54
Mean 0.01131
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

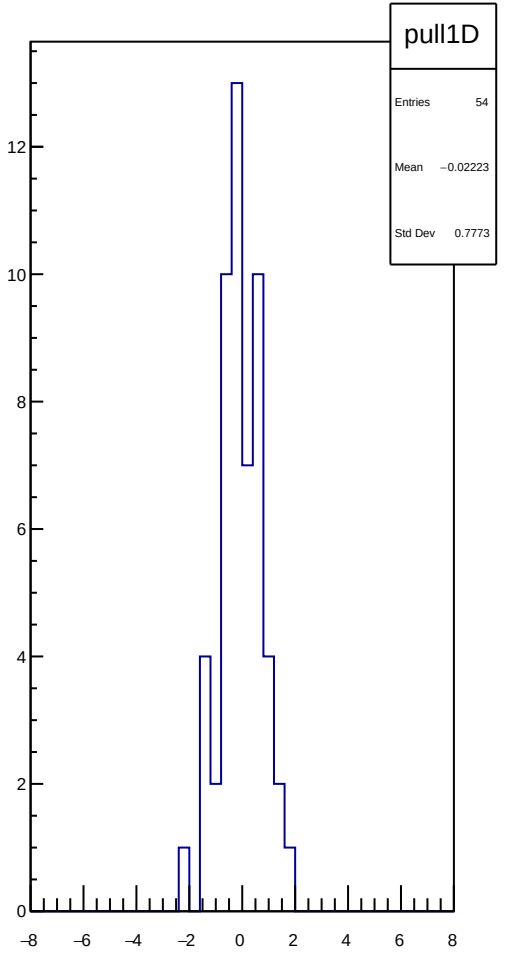

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 3088 / 53
p0 22.55 ± 0.02191
28
27
26
25
24
23
22
21
20

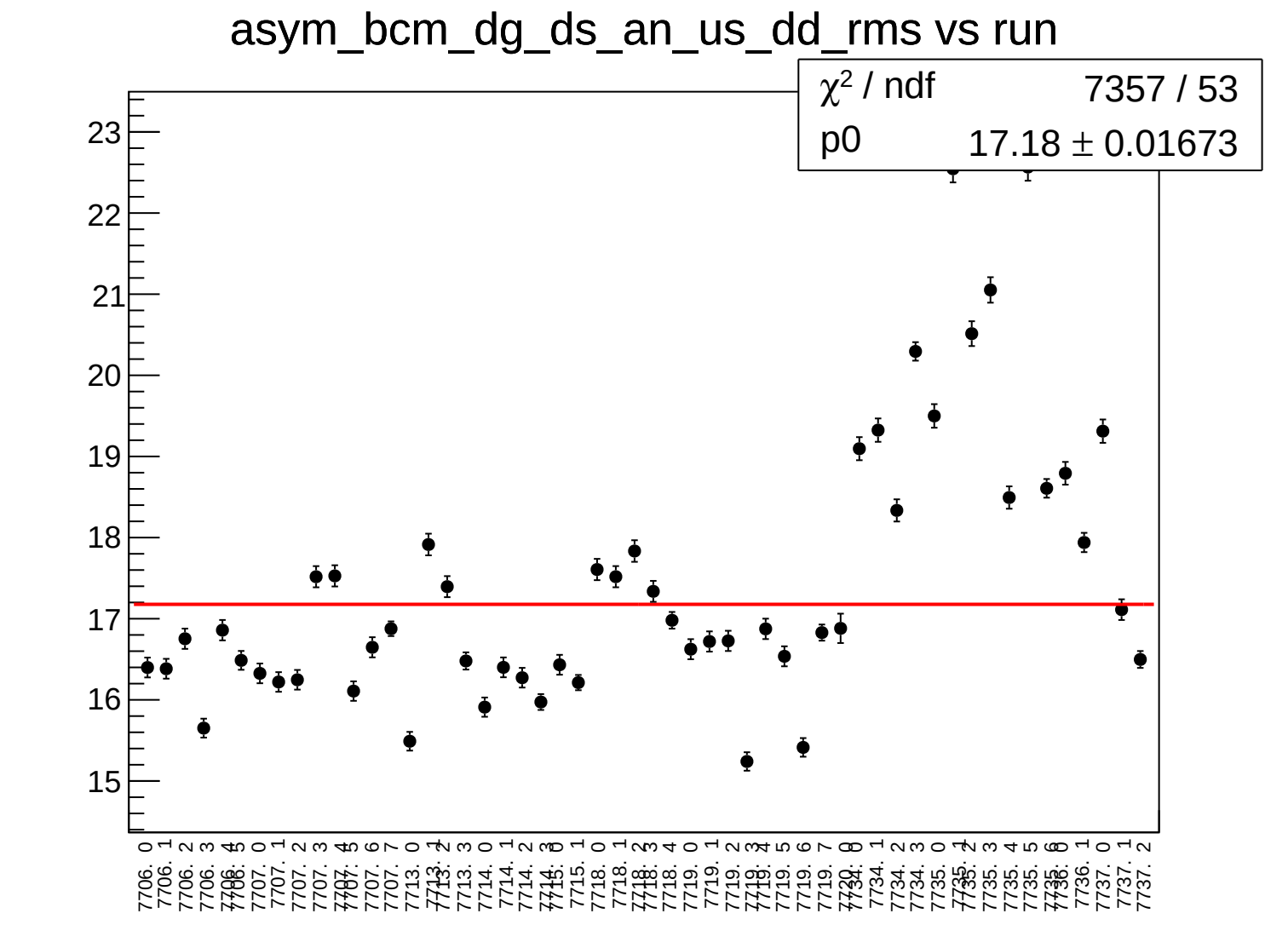

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 12.78 / 53
p0 −489 ± 369.9
pull
Entries 54
Mean −78.09
Std Dev 0

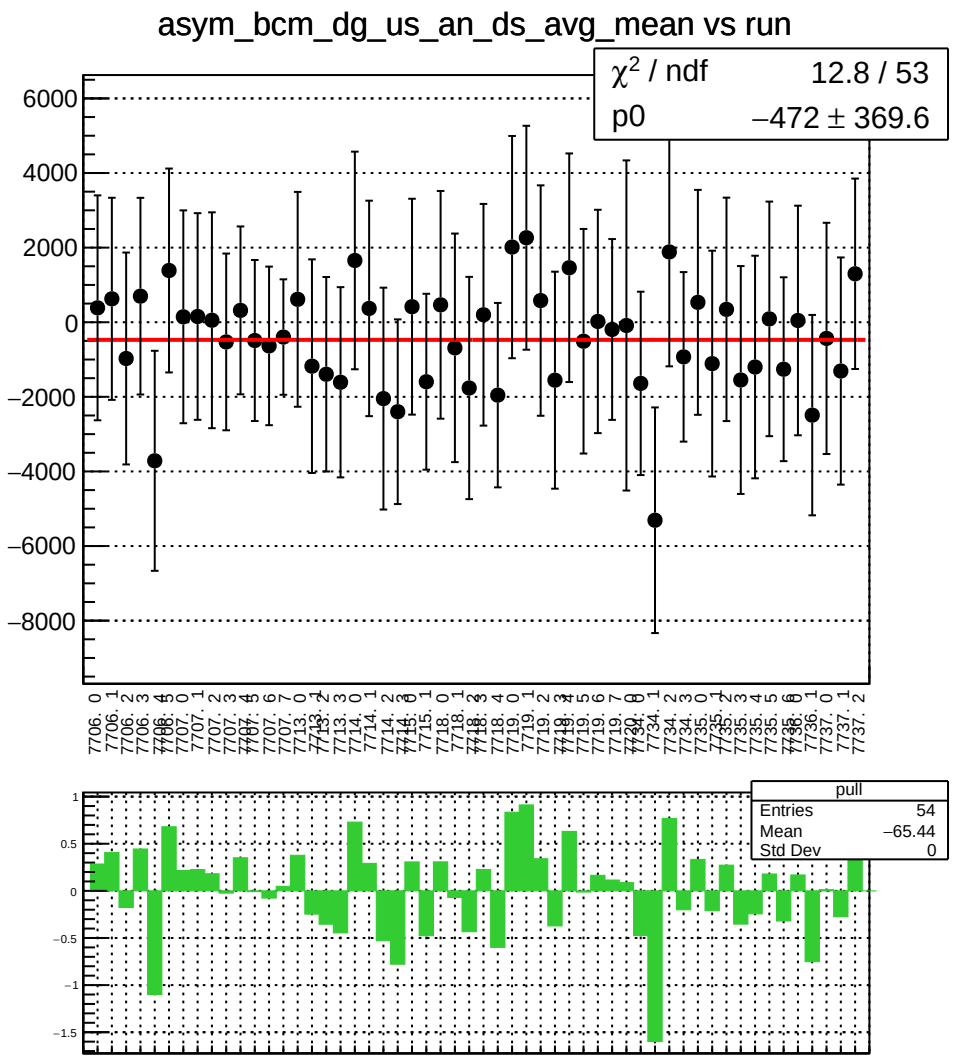

pull1D
Entries 54
Mean 0.005704
Std Dev 0.4865

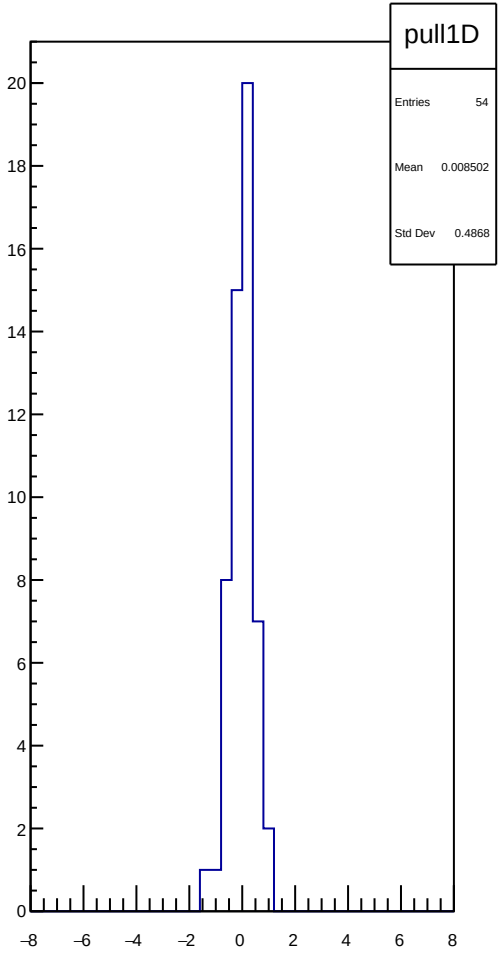

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 1.297e+04 / 53
p0 267.9 ± 0.2615
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

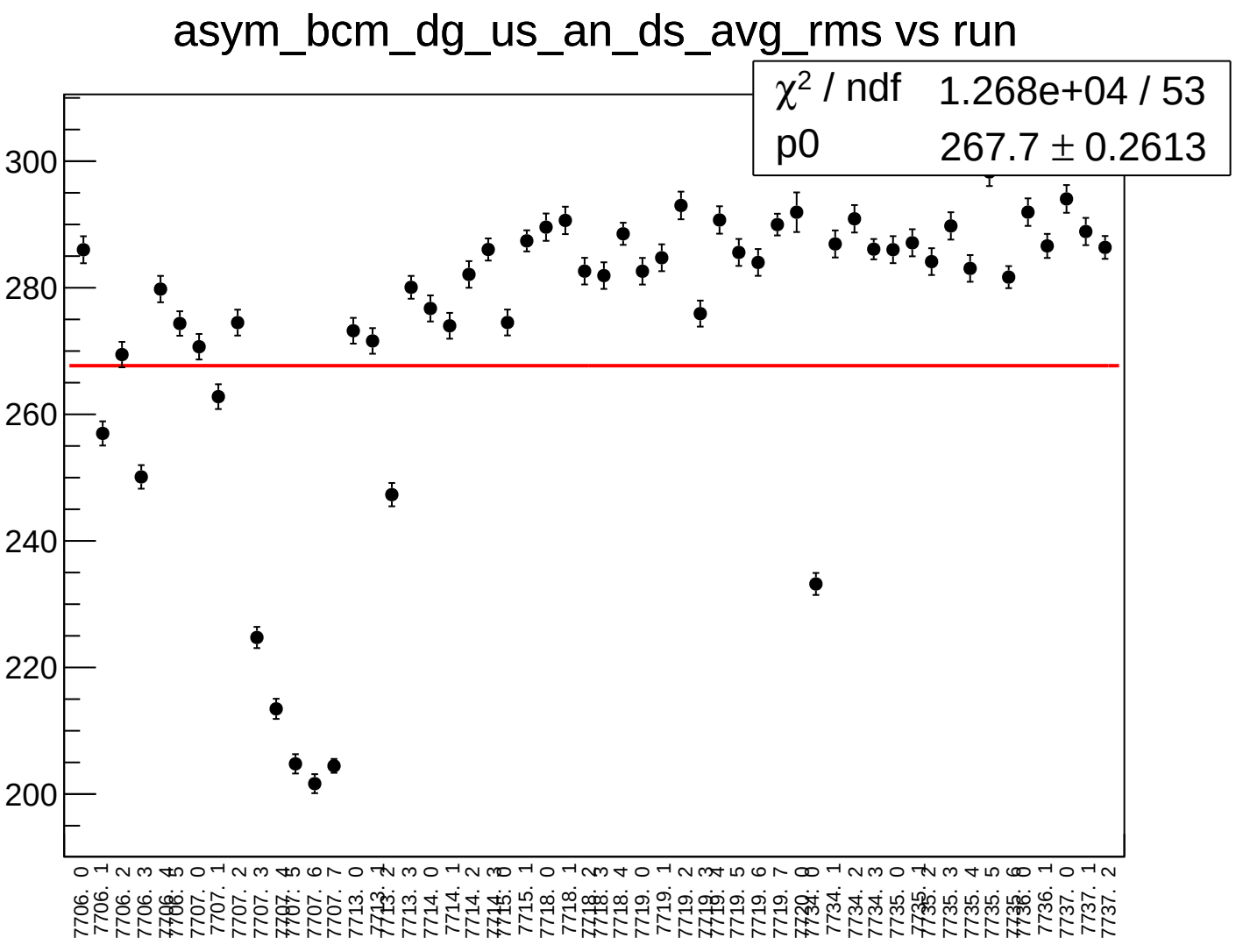

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 32.65 / 53
p0 −18.63 ± 23.66
pull
Entries 54
Mean 109.4
Std Dev 0

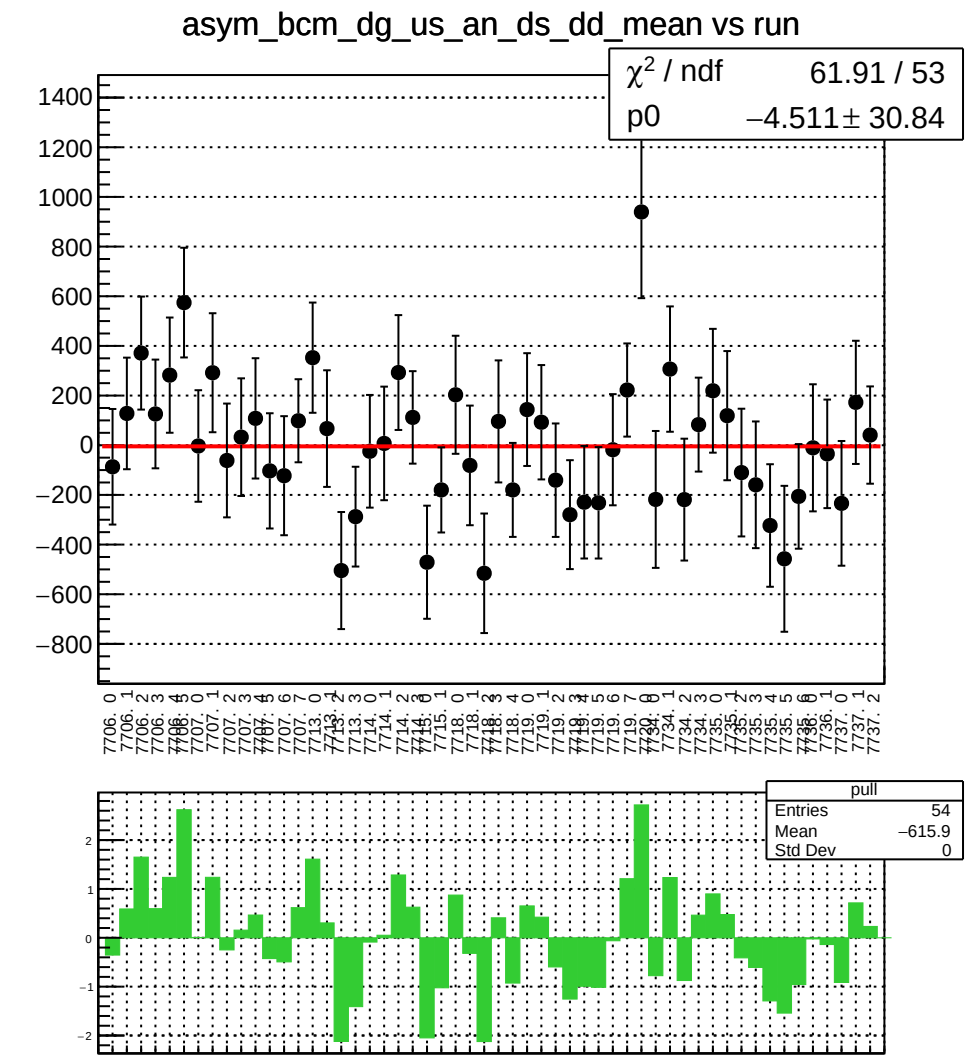

pull1D
Entries 54
Mean −0.02223
Std Dev 0.7773

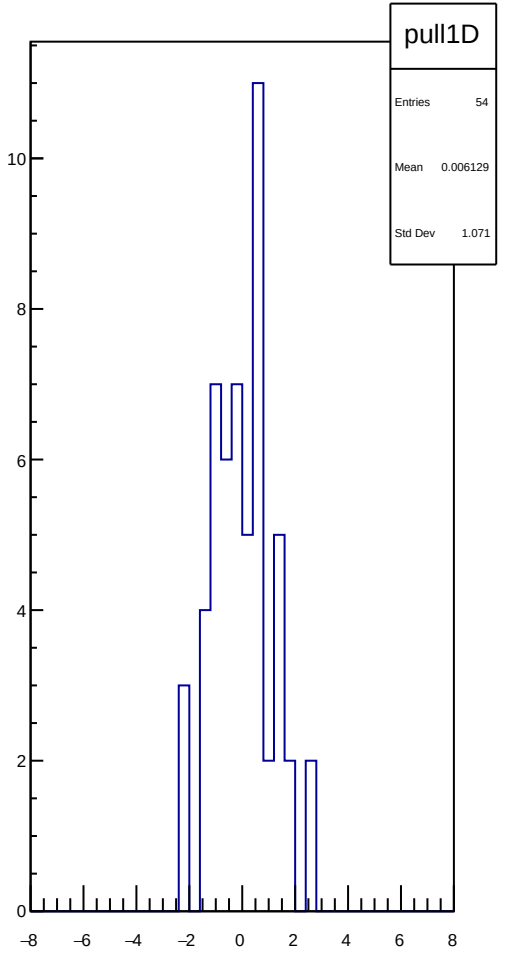

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 7357 / 53
p0 17.18 ± 0.01673
23
22
21
20
19
18
17
16
15

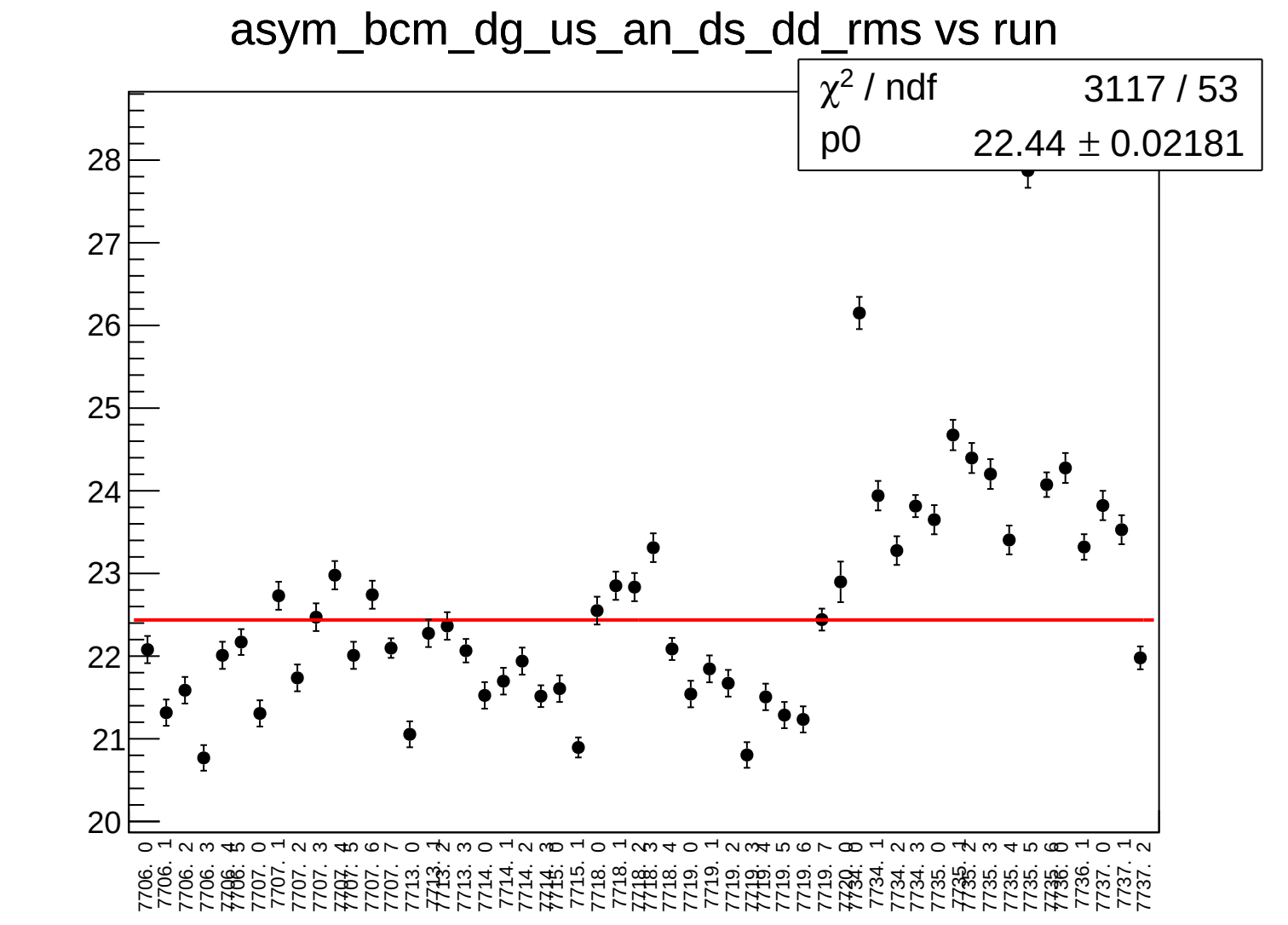

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 12.8 / 53
p0 −472 ± 369.6
pull
Entries 54
Mean −65.44
Std Dev 0

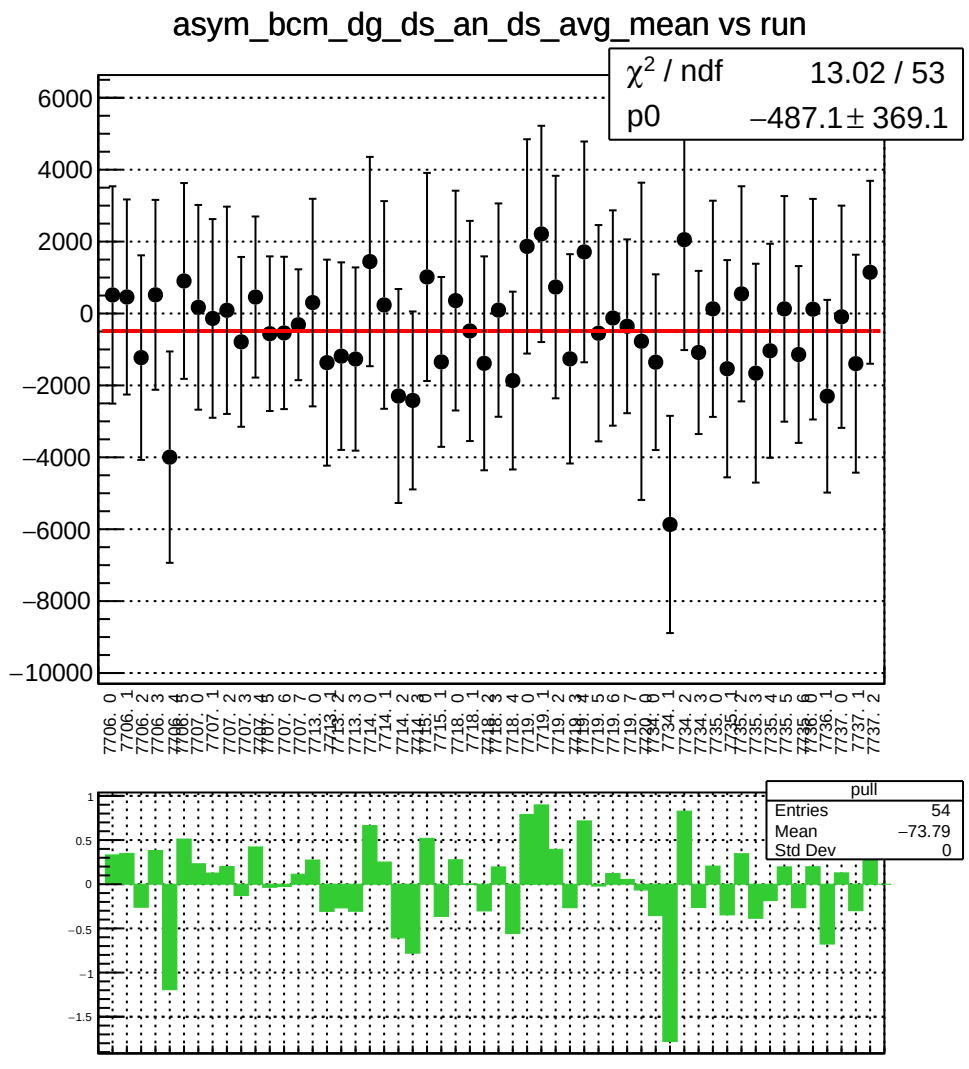

pull1D
Entries 54
Mean 0.008502
Std Dev 0.4868

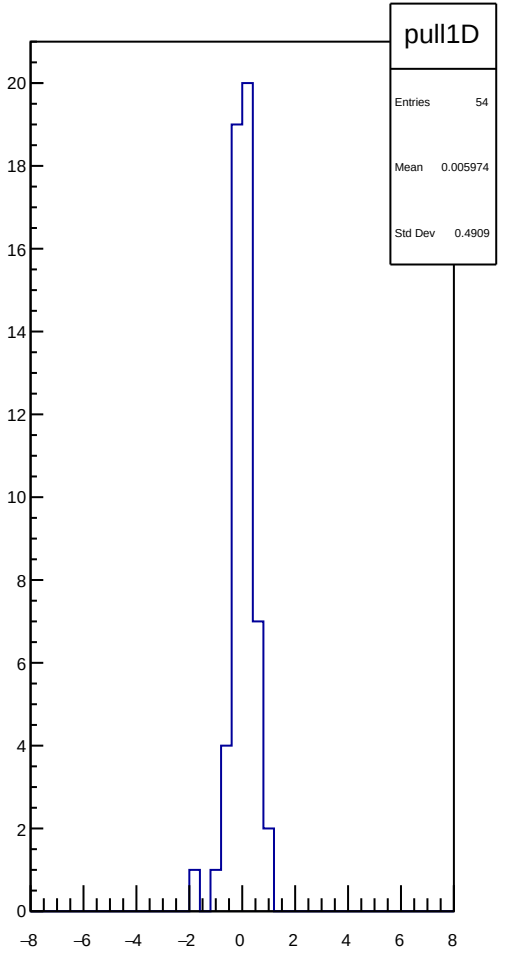

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 1.268e+04 / 53
p0 267.7 ± 0.2613
300
280
260
240
220
200

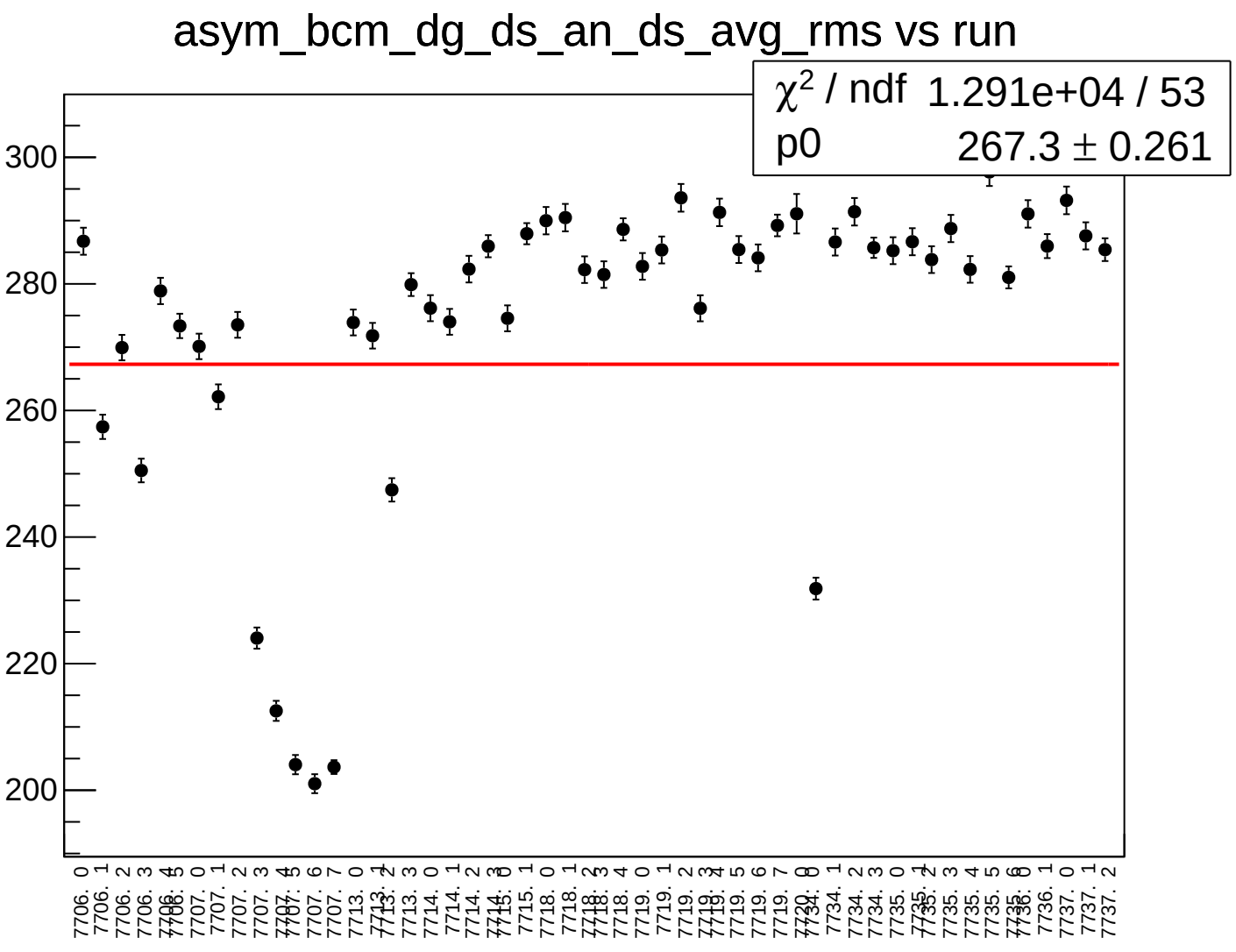

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 61.91 / 53
p0 −4.511 ± 30.84
pull
Entries 54
Mean −615.9
Std Dev 0

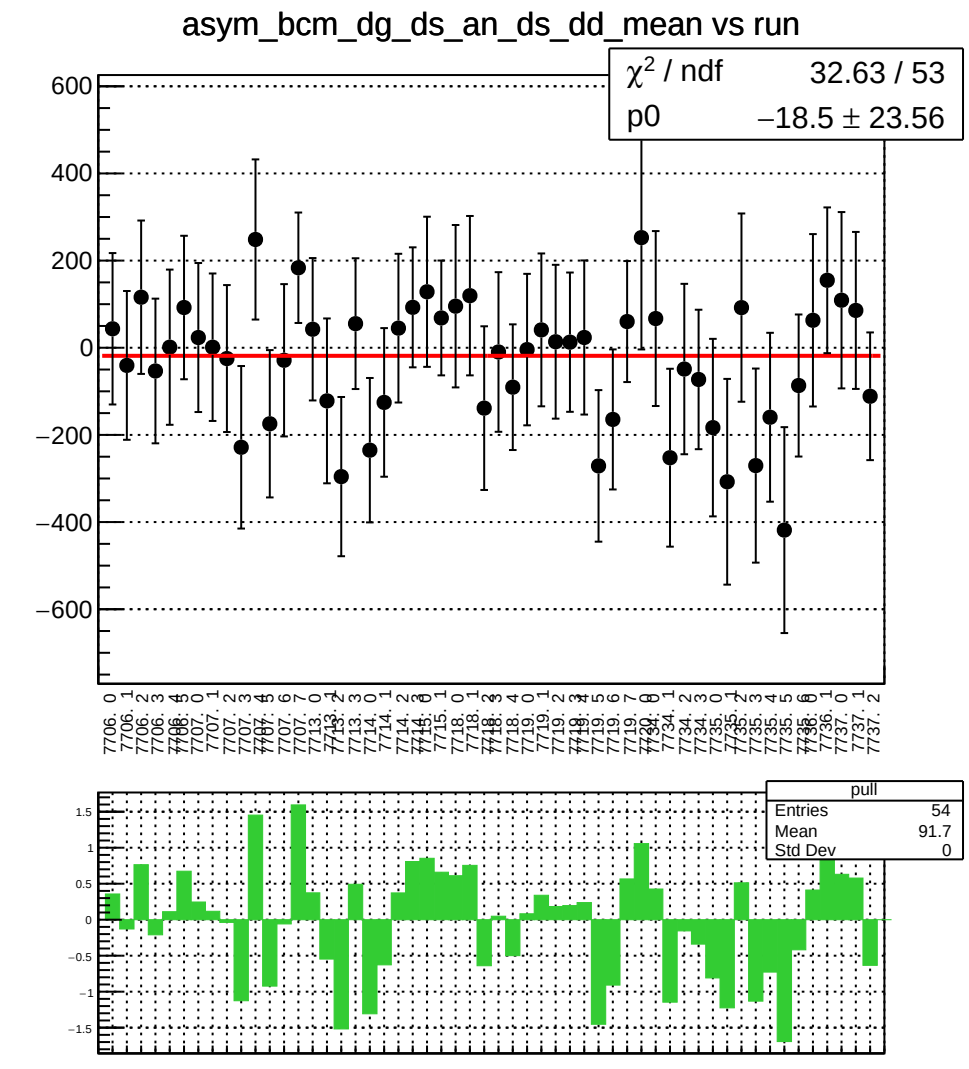

pull1D
Entries 54
Mean 0.006129
Std Dev 1.071

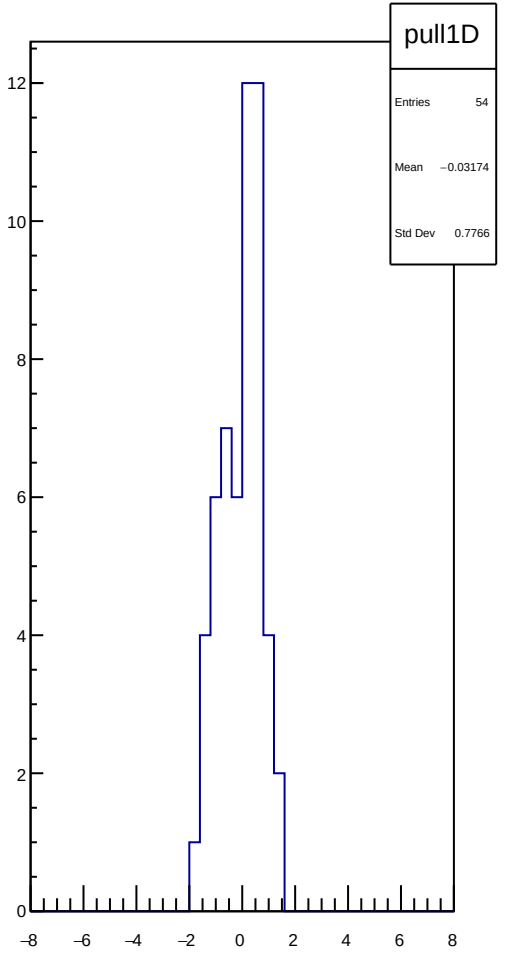

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 3117 / 53
p0 22.44 ± 0.02181
28
27
26
25
24
23
22
21
20
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

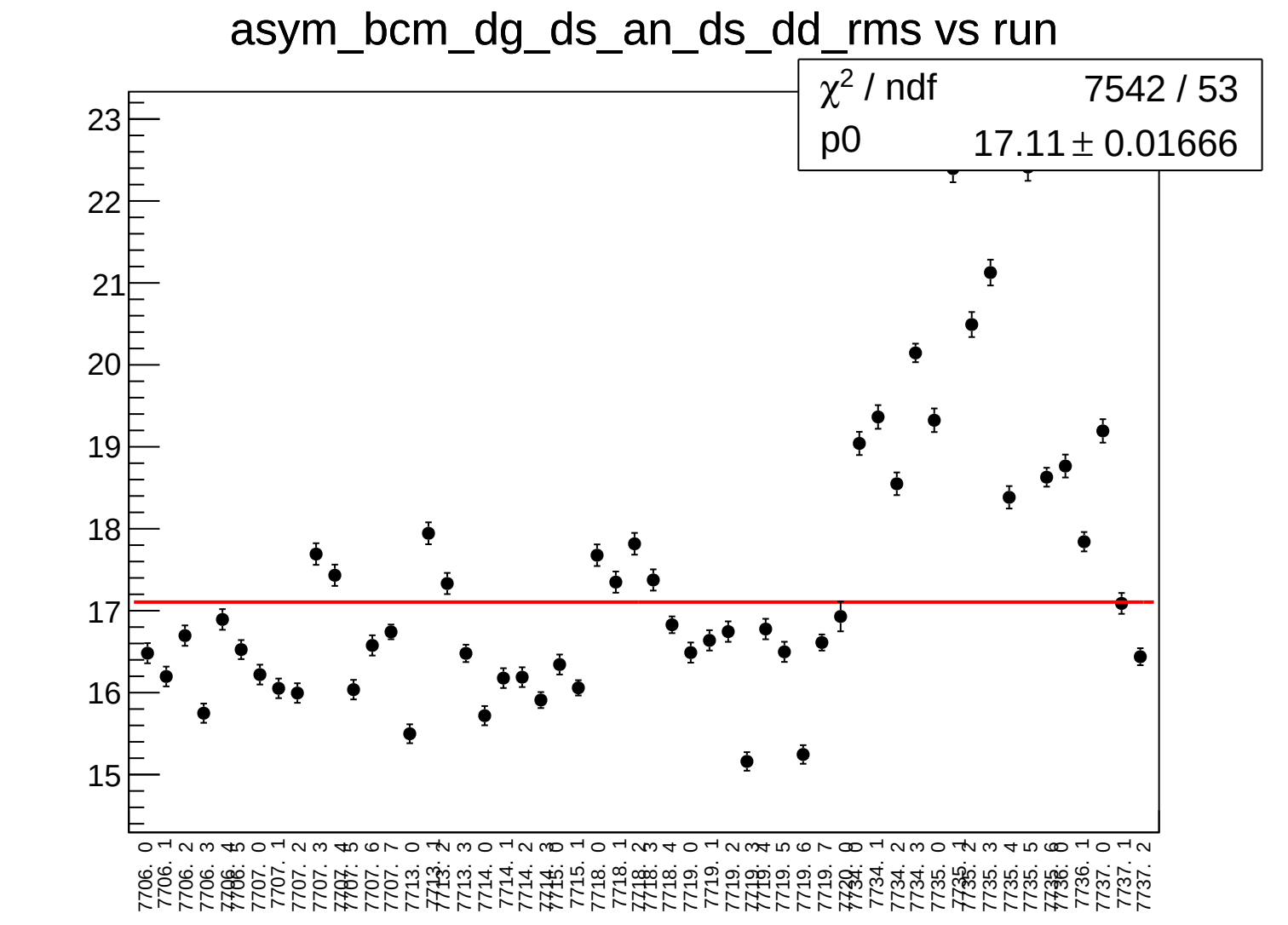

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 13.02 / 53
p0 −487.1 ± 369.1
pull
Entries 54
Mean −73.79
Std Dev 0

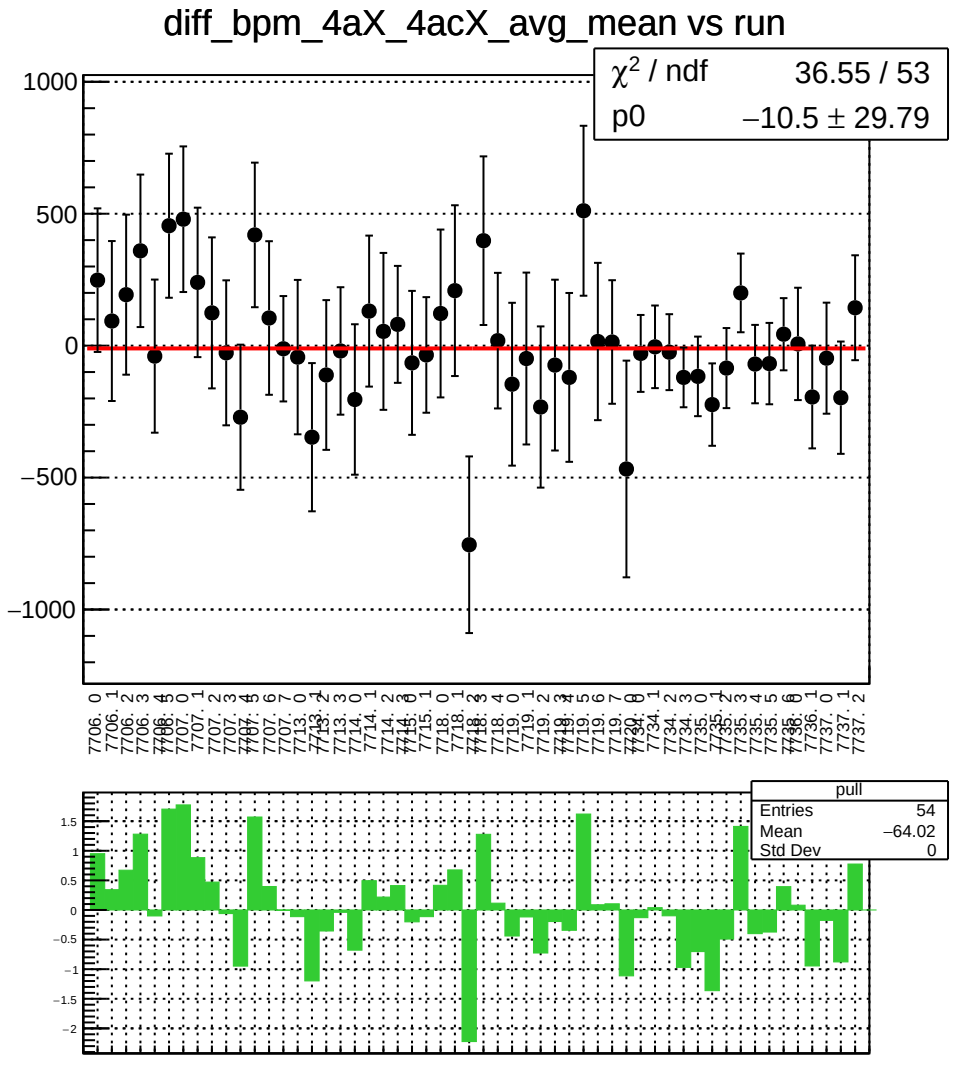

pull1D
Entries 54
Mean 0.005974
Std Dev 0.4909

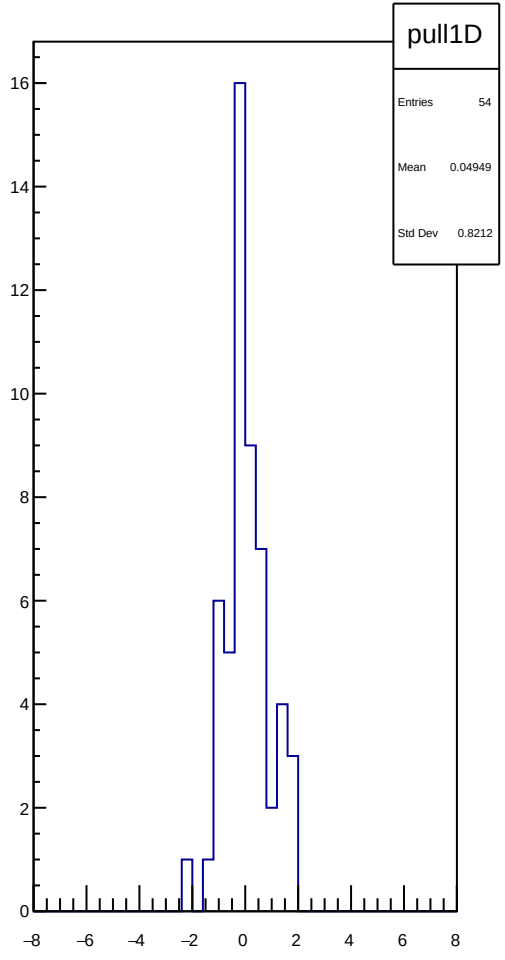

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 1.291e+04 / 53
p0 267.3 ± 0.261
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

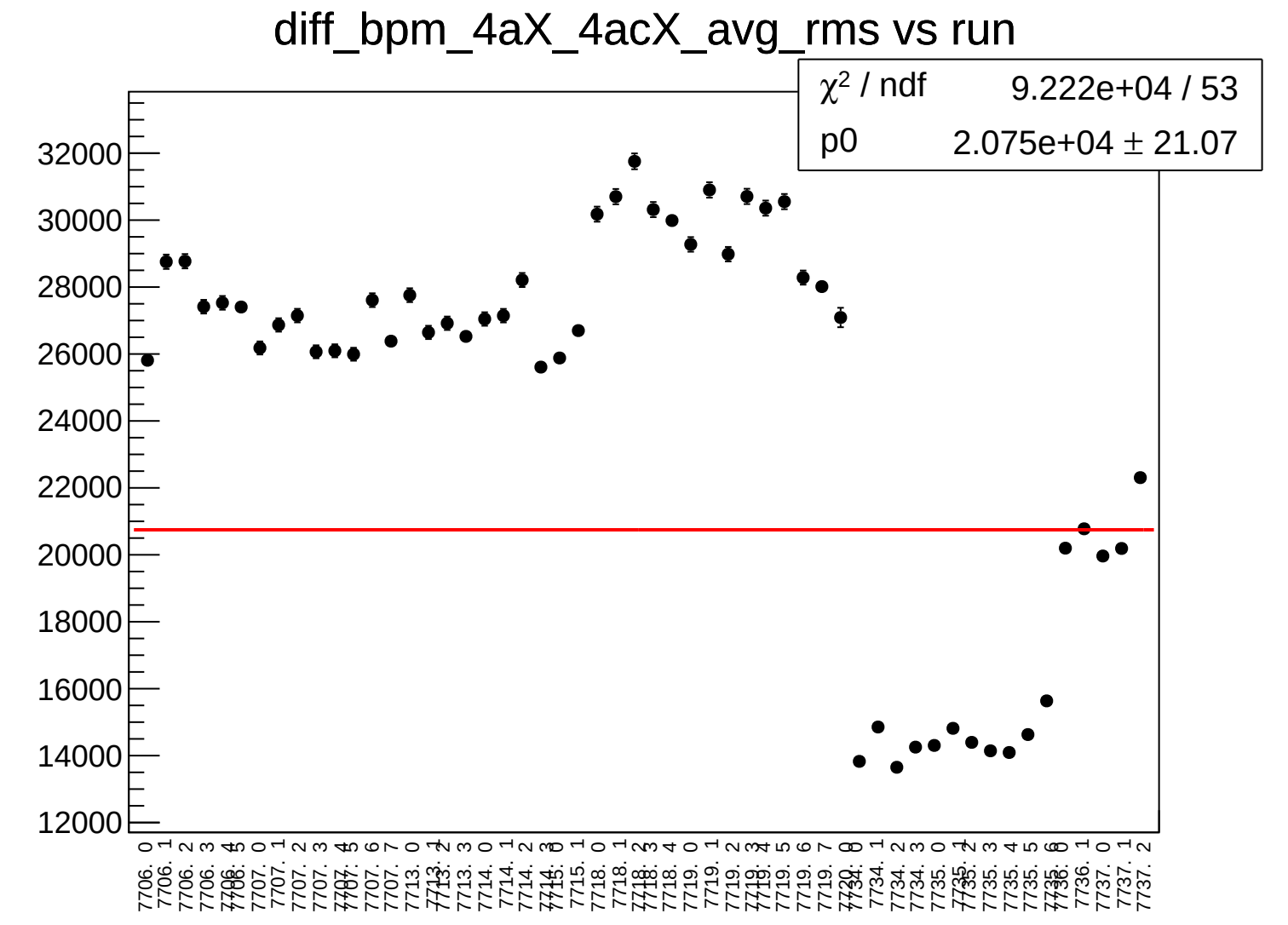

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 32.63 / 53
p0 −18.5 ± 23.56
pull
Entries 54
Mean 91.7
Std Dev 0

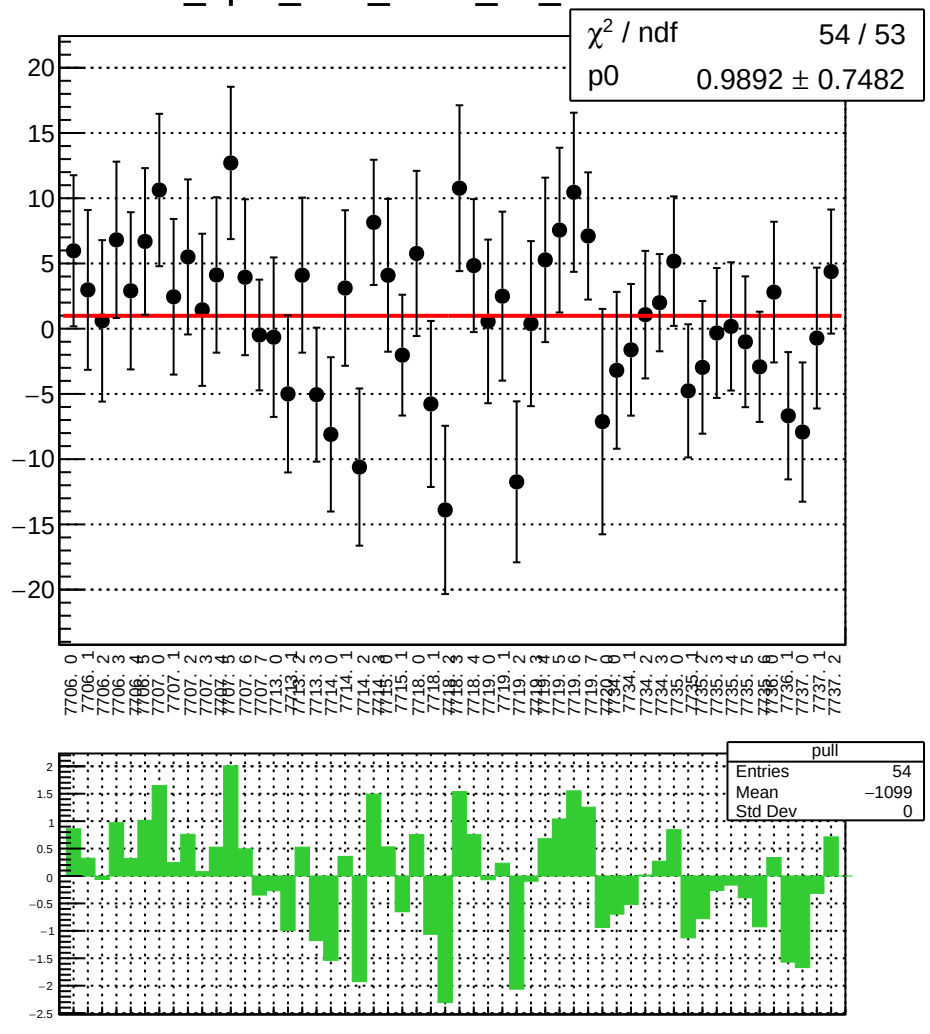

pull1D
Entries 54
Mean −0.03174
Std Dev 0.7766

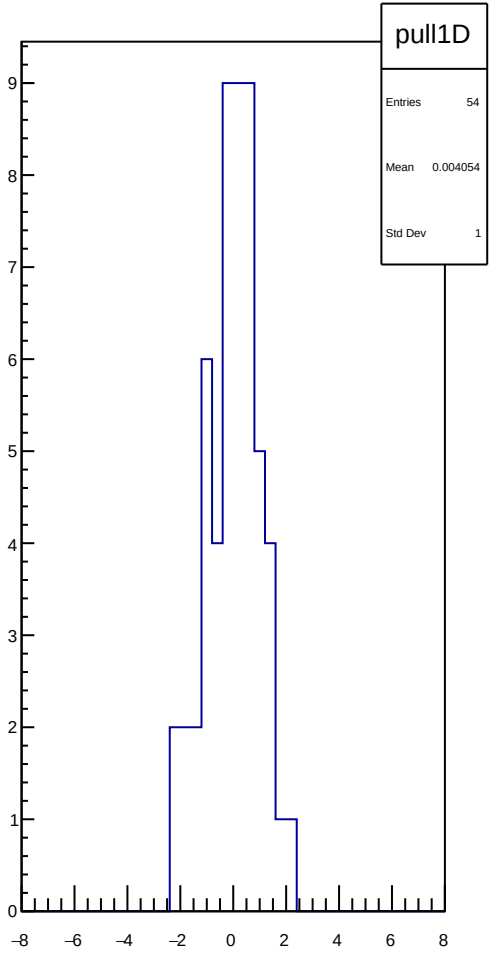

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 7542 / 53
p0 17.11 ± 0.01666
23
22
21
20
19
18
17
16
15

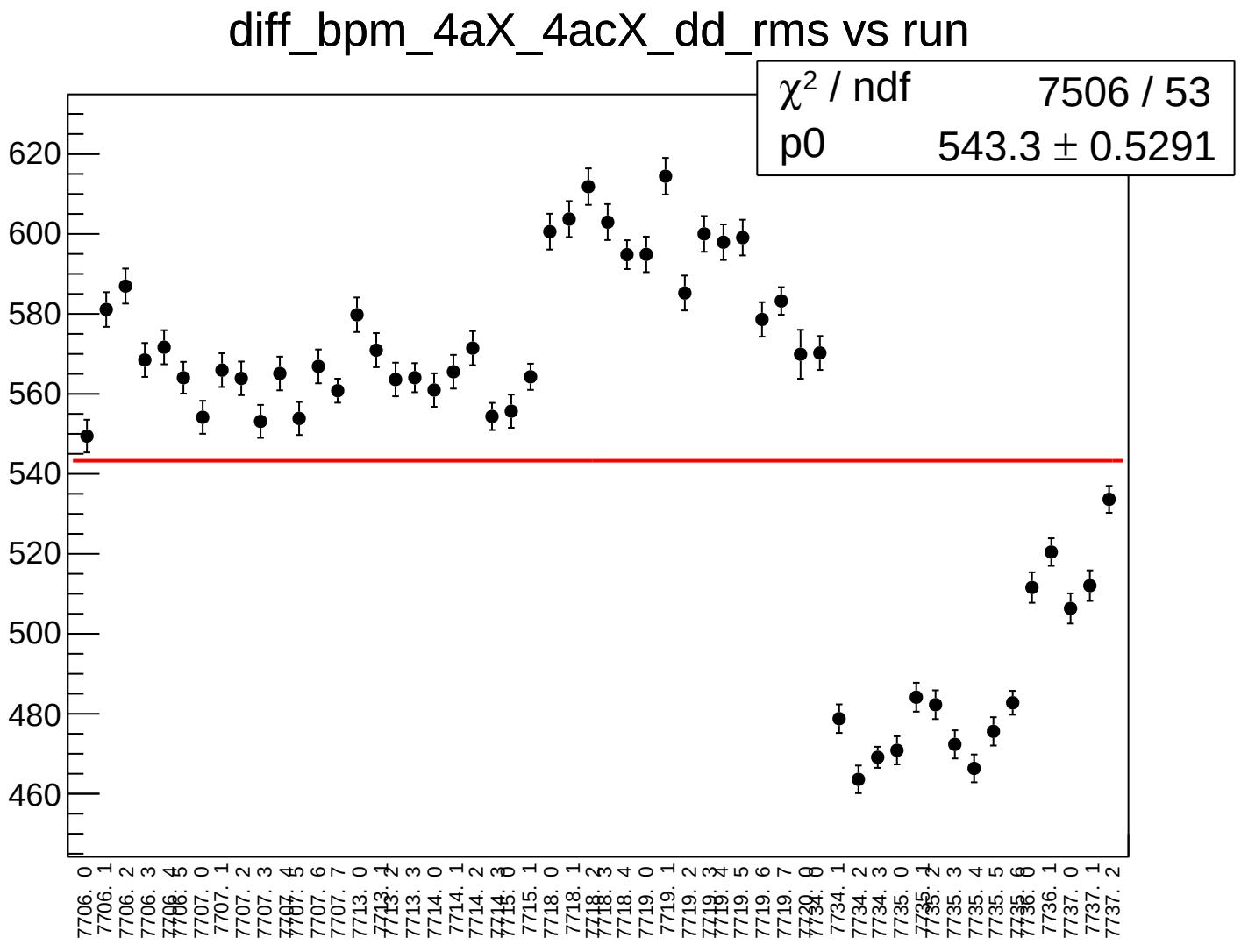

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 36.55 / 53
p0 −10.5 ± 29.79
1000
500
0
−500
−1000
pull
Entries 54
Mean −64.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

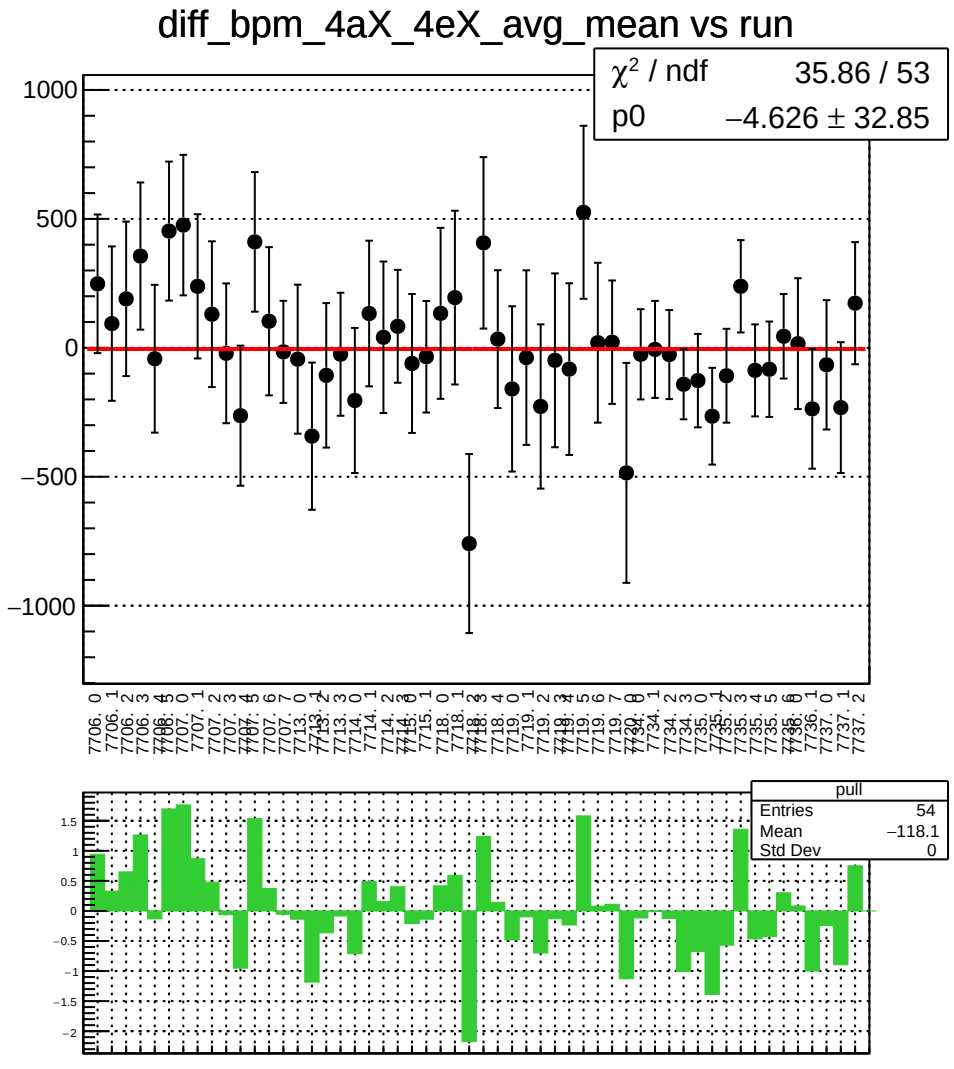

pull1D
Entries 54
Mean 0.04949
Std Dev 0.8212
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

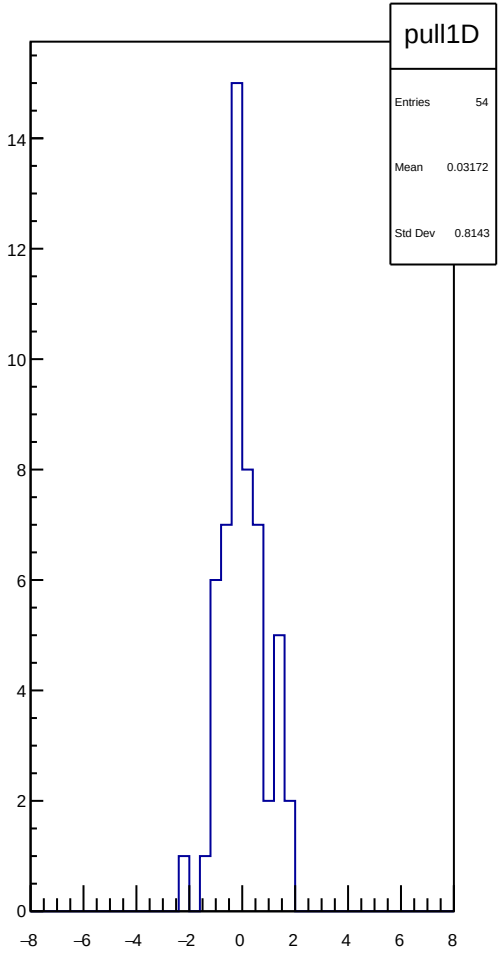

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 9.222e+04 / 53
p0 2.075e+04 ± 21.07
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000

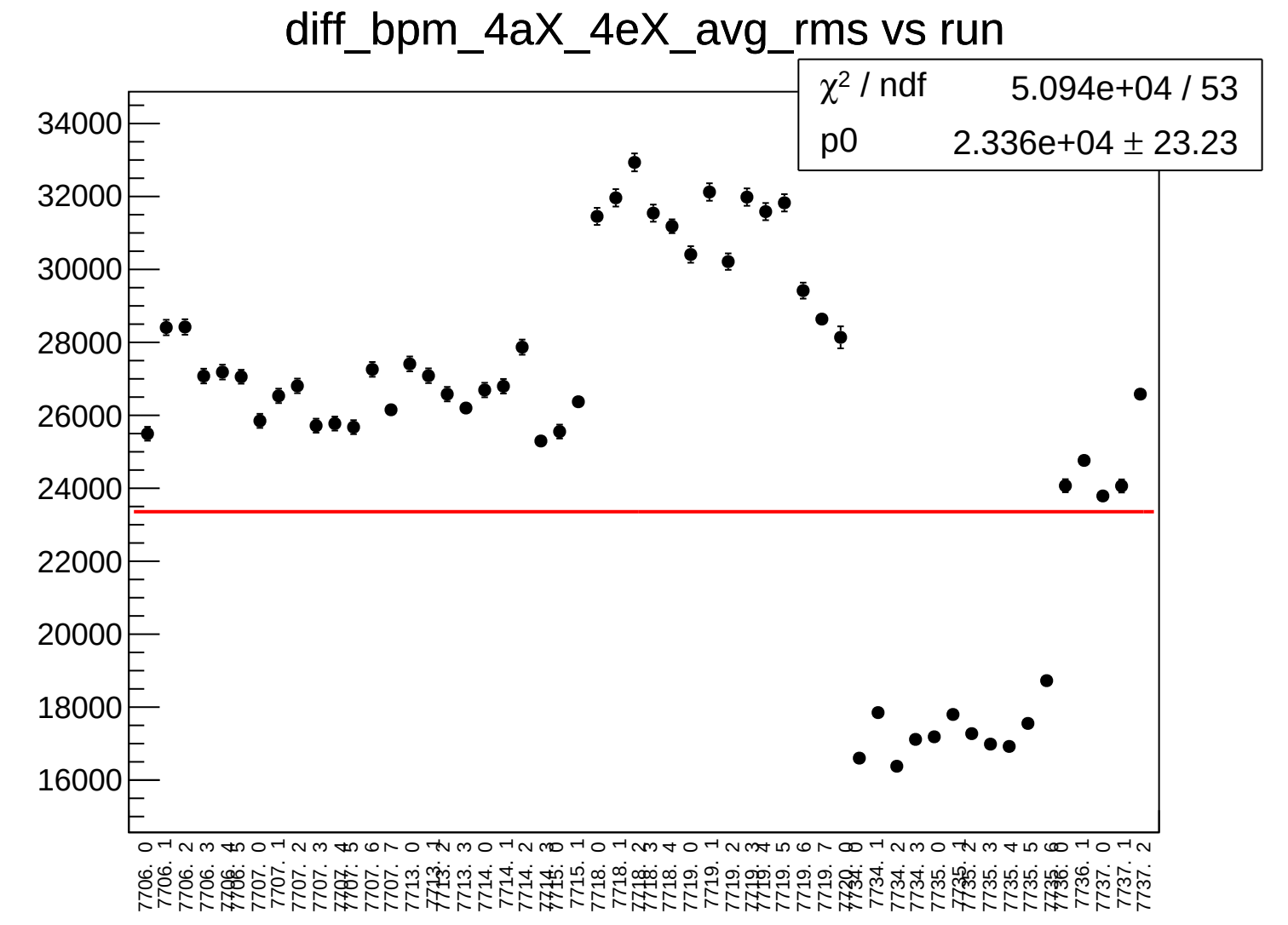

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 54 / 53
p0 0.9892 ± 0.7482
pull
Entries 54
Mean −1099
Std Dev 0

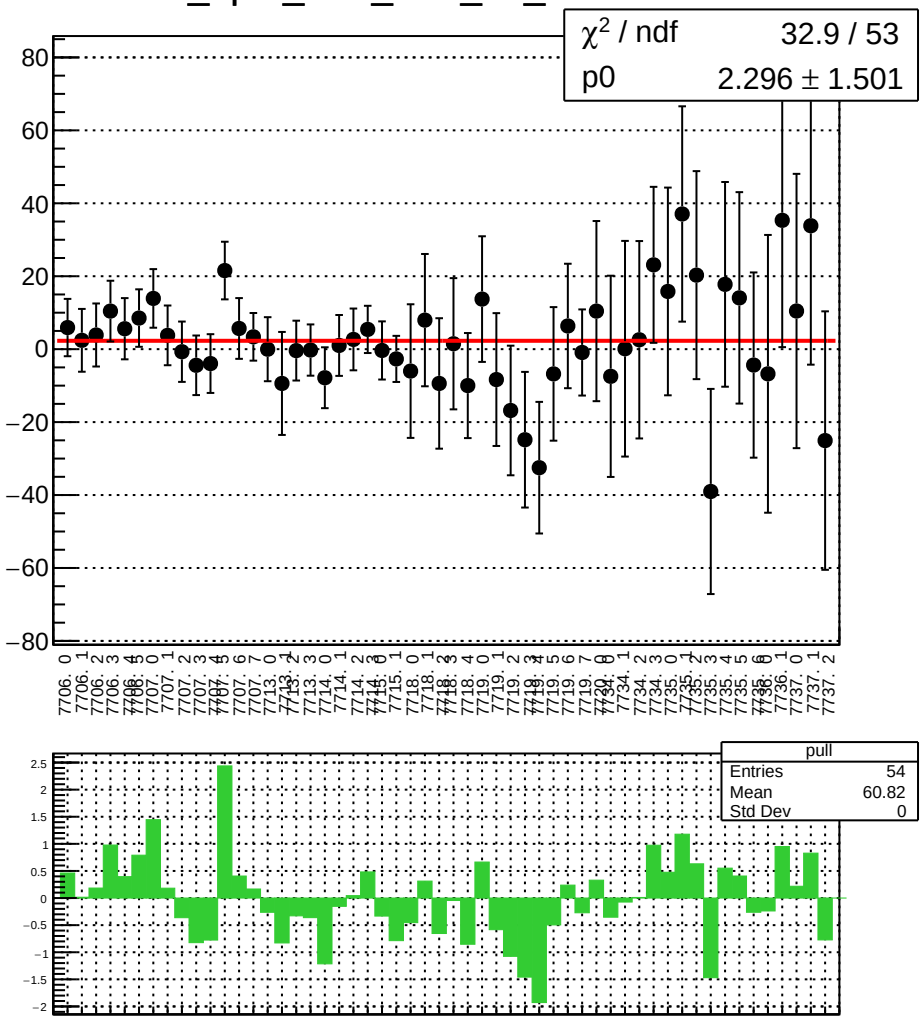

pull1D
Entries 54
Mean 0.004054
Std Dev 1

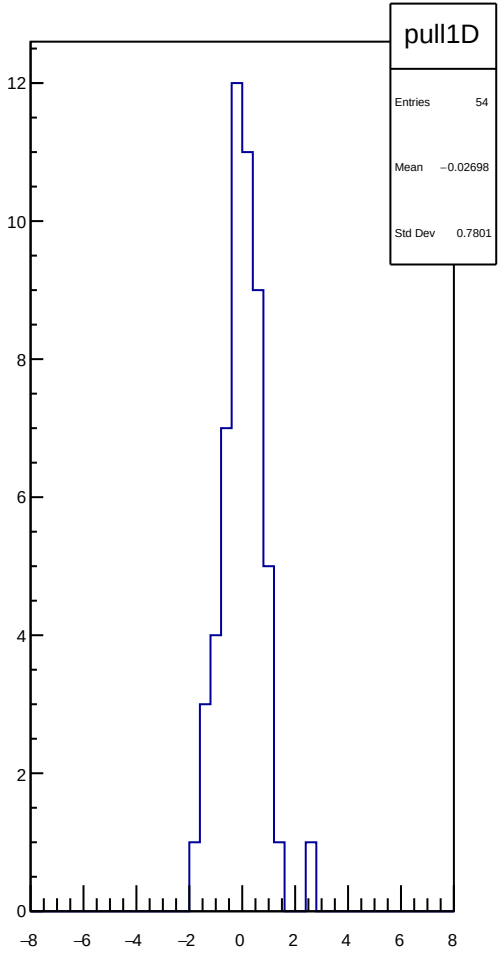

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 7506 / 53
p0 543.3 ± 0.5291
620
600
580
560
540
520
500
480
460

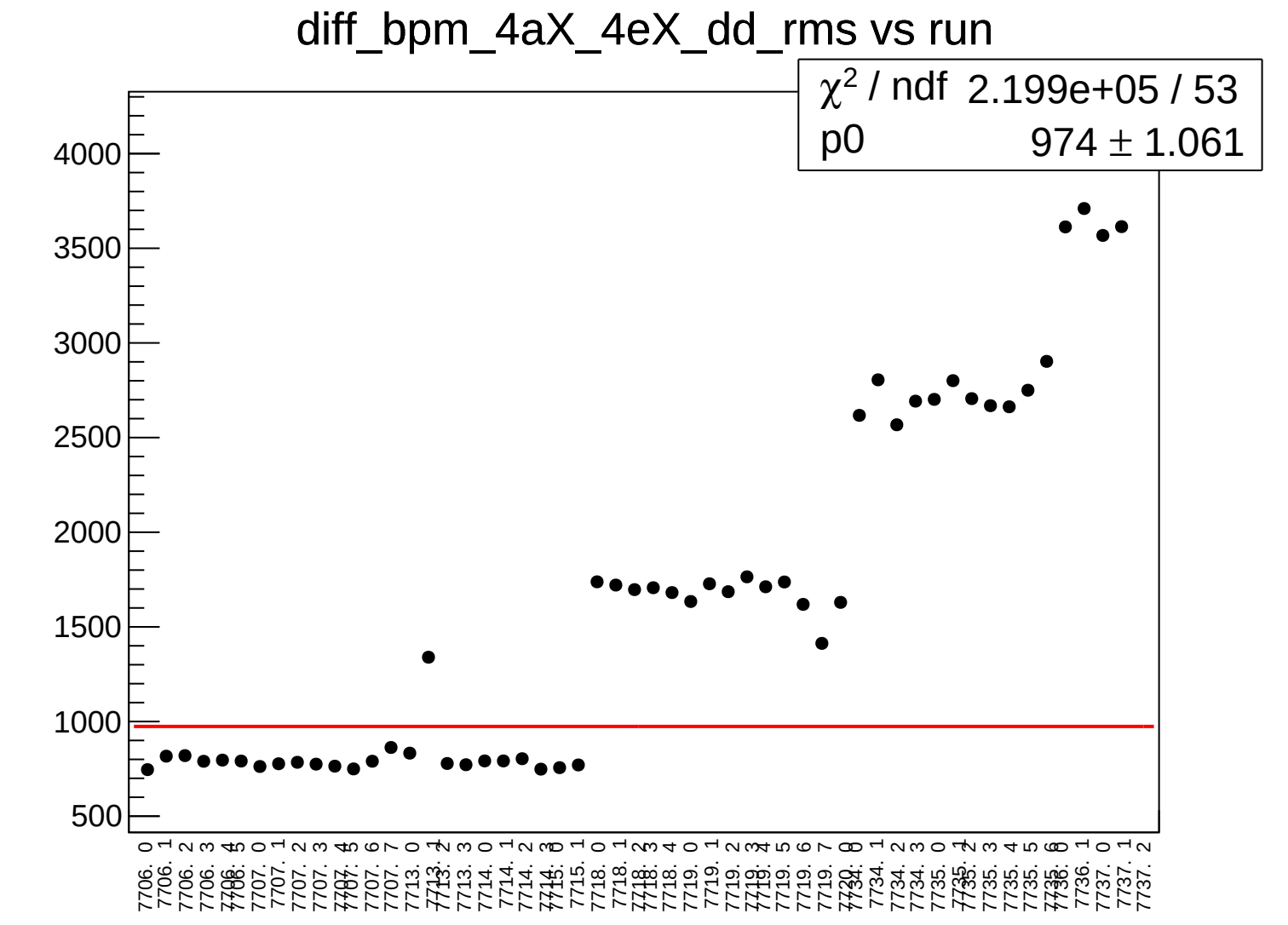

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 35.86 / 53
p0 −4.626 ± 32.85
1000
500
0
−500
−1000
pull
Entries 54
Mean −118.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

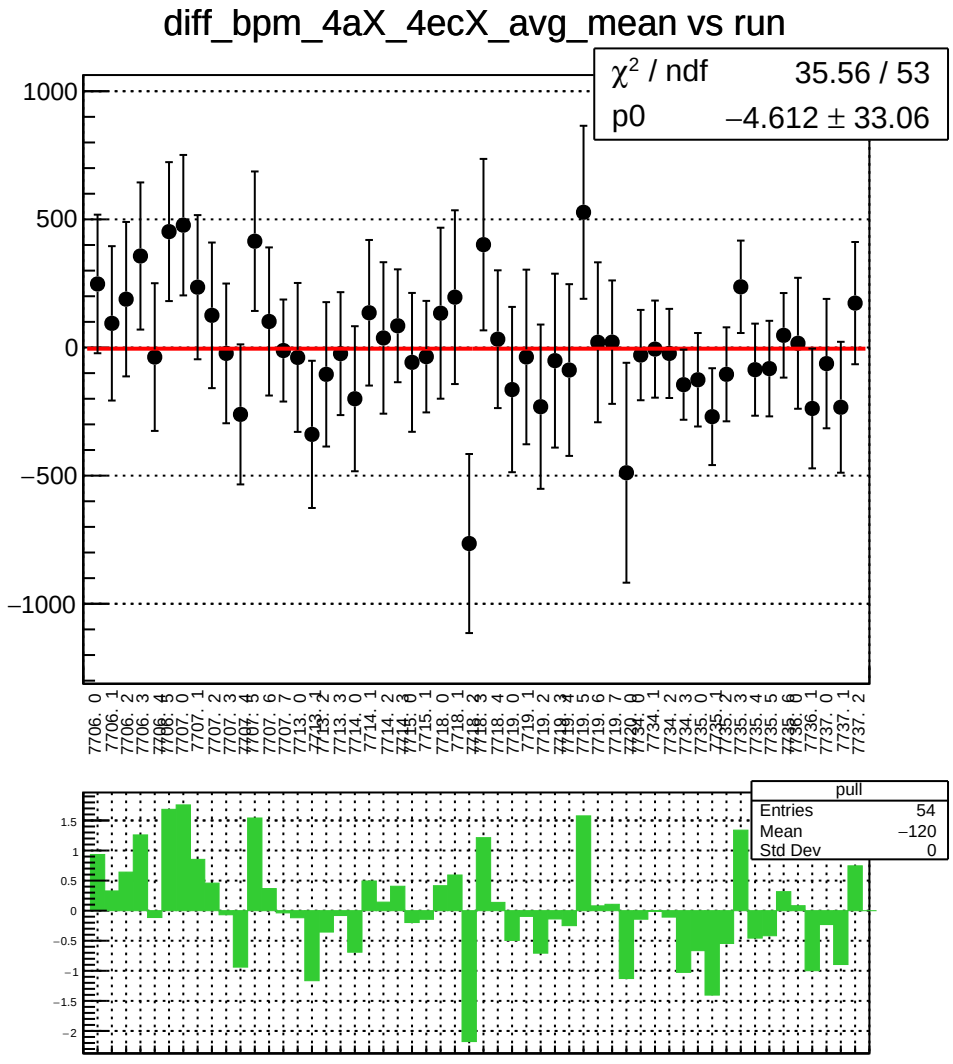

pull1D
Entries 54
Mean 0.03172
Std Dev 0.8143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

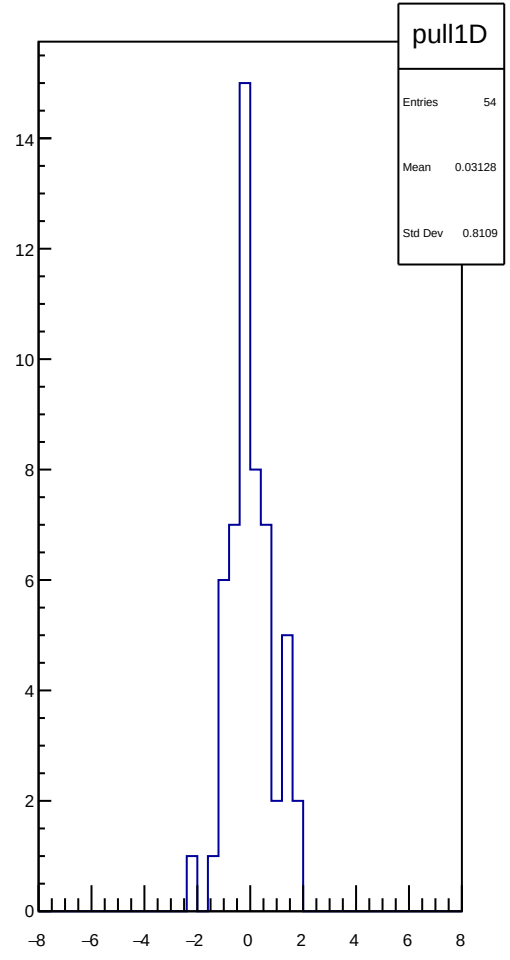

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 5.094e+04 / 53
p0 2.336e+04 ± 23.23
34000
32000
30000
28000
26000
24000
22000
20000
18000
16000

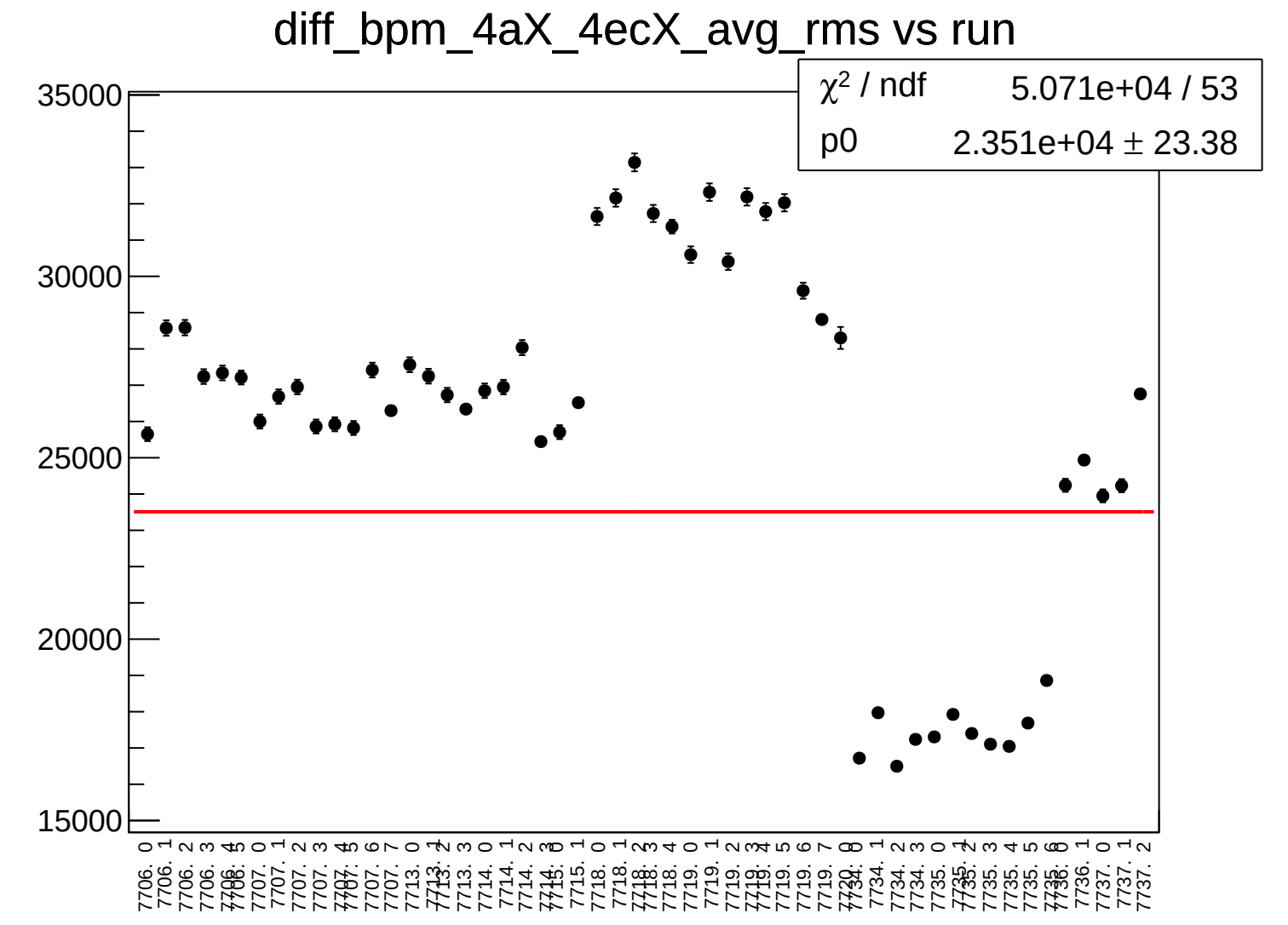

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 32.9 / 53
p0 2.296 ± 1.501
pull
Entries 54
Mean 60.82
Std Dev 0

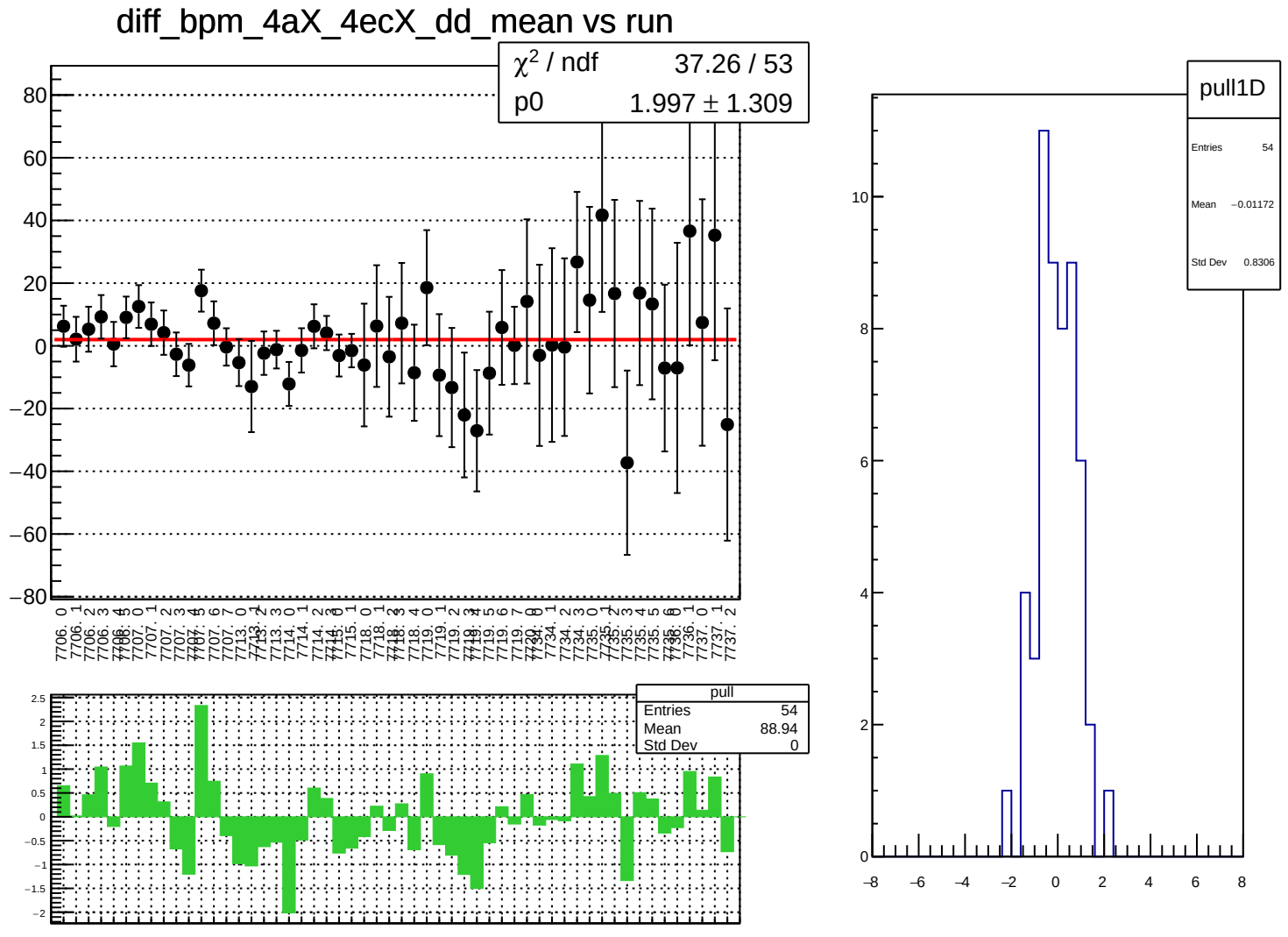

pull1D
Entries 54
Mean −0.02698
Std Dev 0.7801

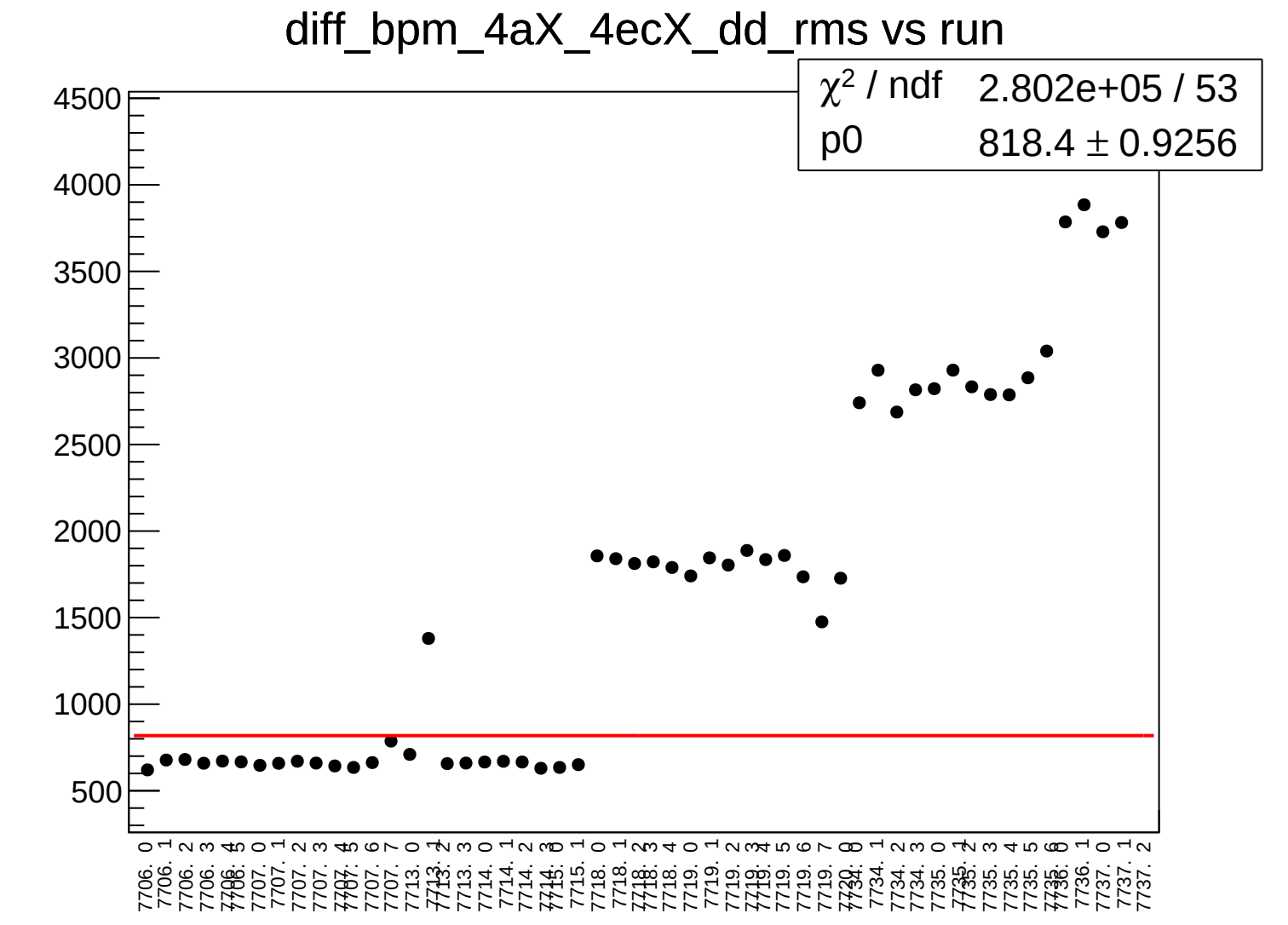

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2.199e+05 / 53
p0 974 ± 1.061
4000
3500
3000
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

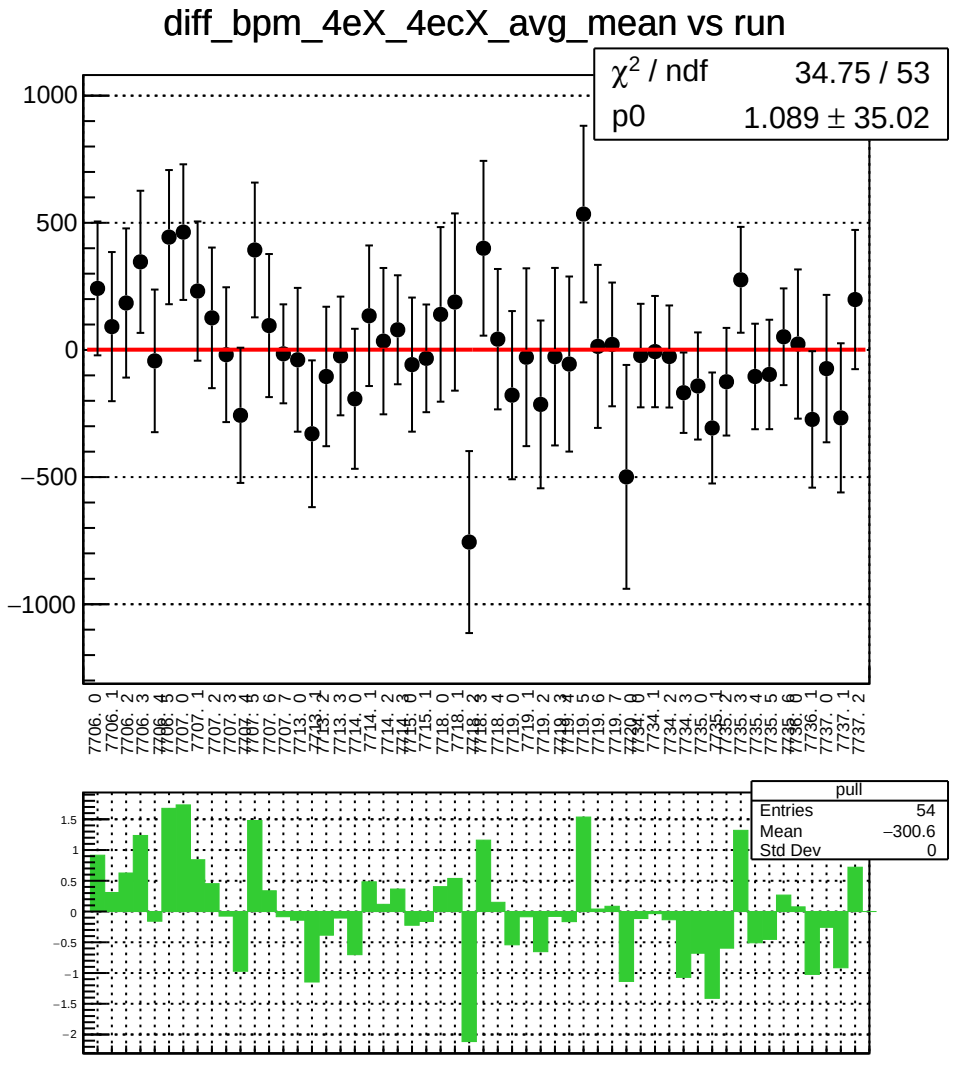

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 35.56 / 53
p0 −4.612 ± 33.06
1000
500
0
−500
−1000
pull
Entries 54
Mean −120
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

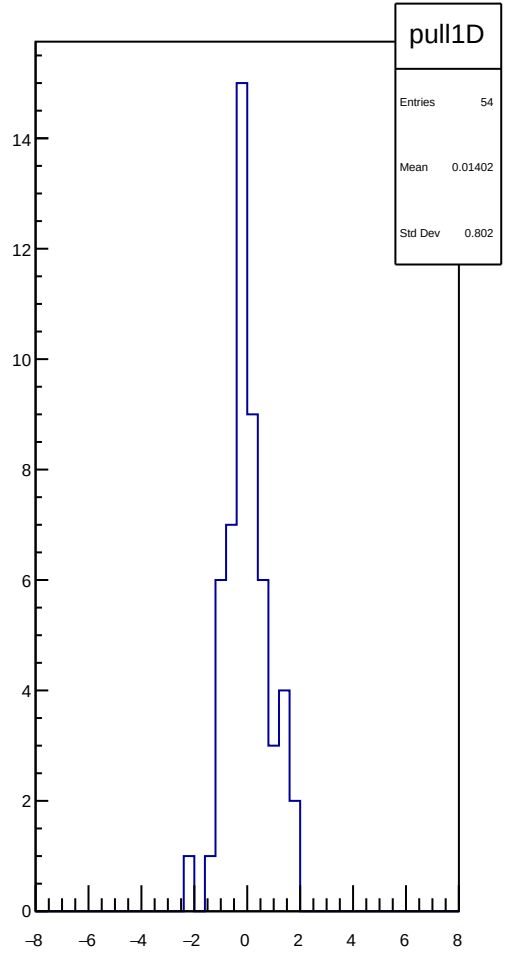

pull1D
Entries 54
Mean 0.03128
Std Dev 0.8109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

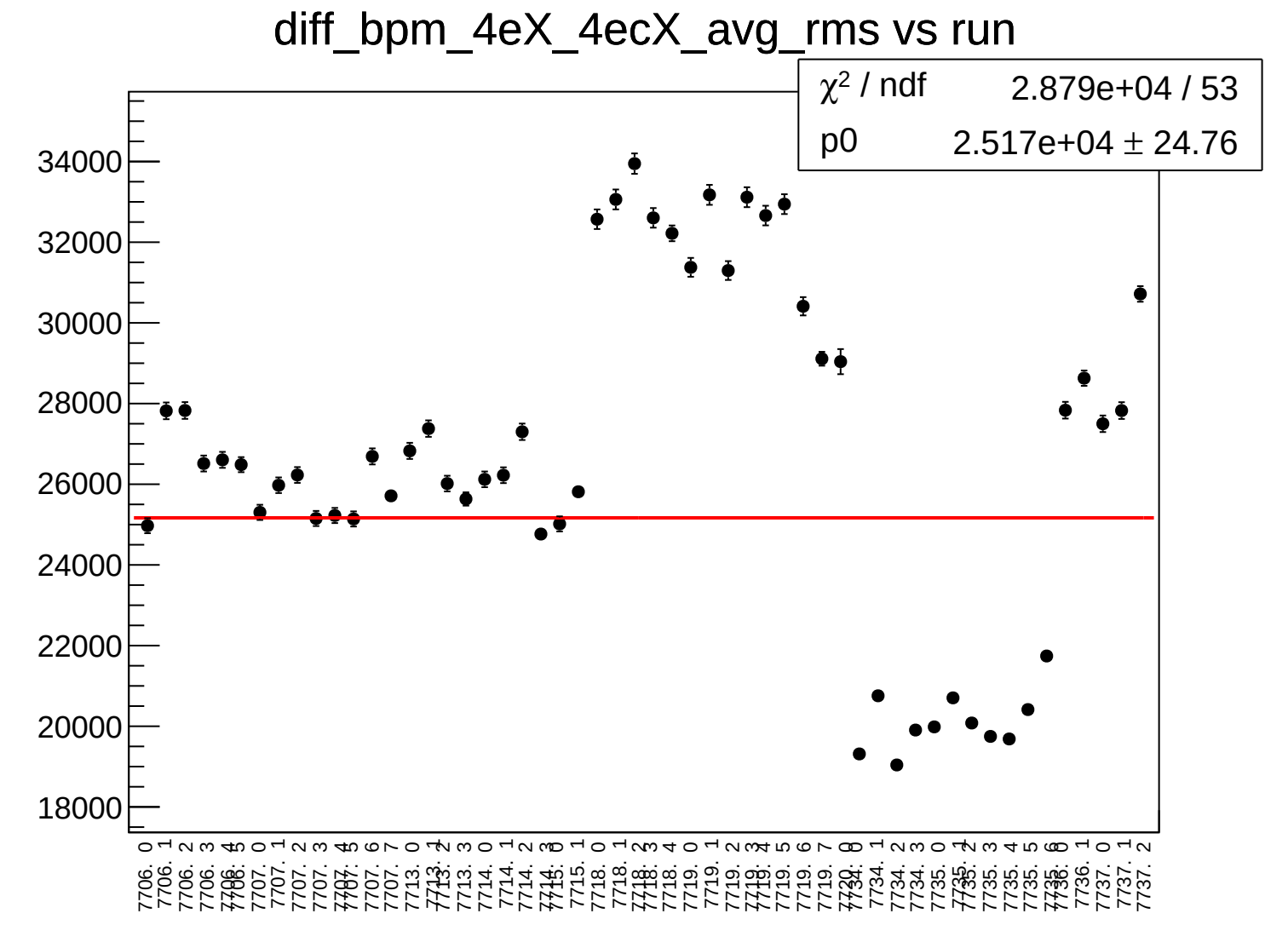

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 5.071e+04 / 53
p0 2.351e+04 ± 23.38
35000
30000
25000
20000
15000

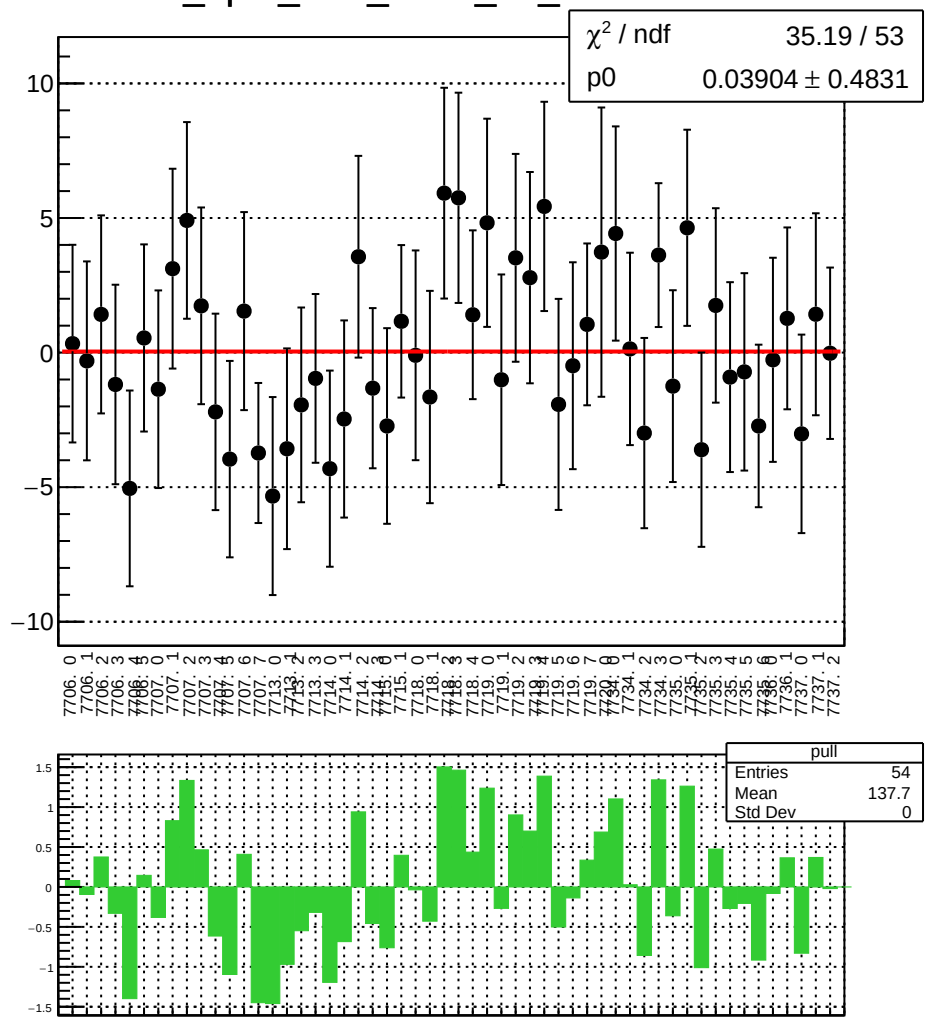

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 37.26 / 53
p0 1.997 ± 1.309
pull
Entries 54
Mean 88.94
Std Dev 0
pull1D
Entries 54
Mean −0.01172
Std Dev 0.8306

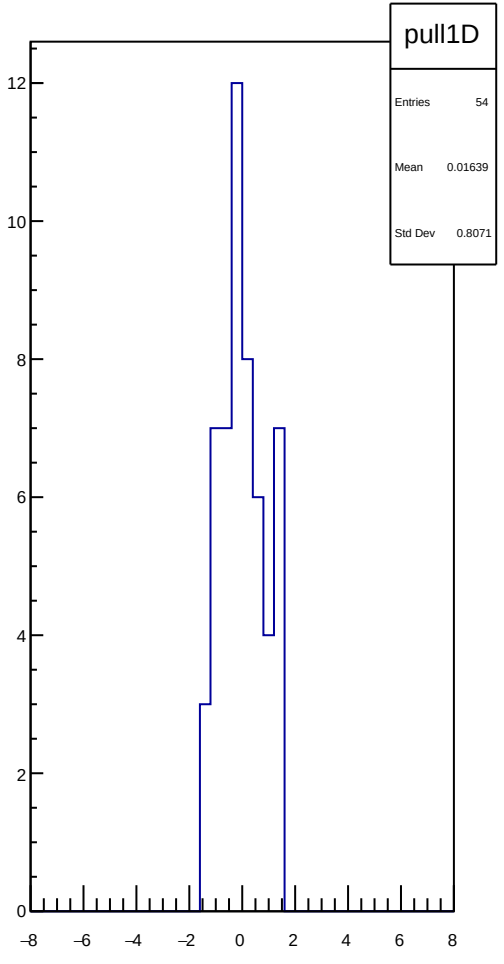

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2.802e+05 / 53
p0 818.4 ± 0.9256
4500
4000
3500
3000
2500
2000
1500
1000
500

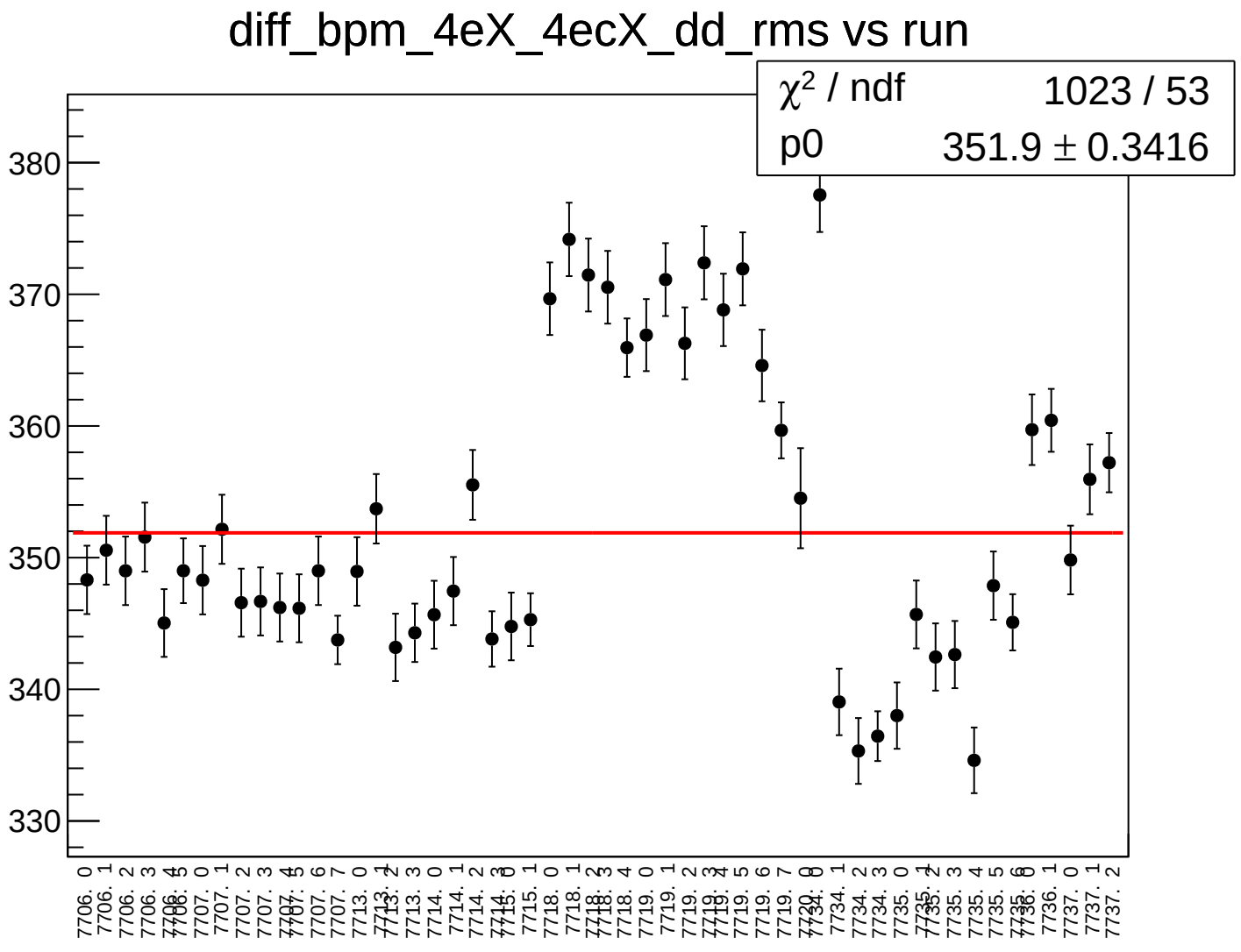

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 34.75 / 53
p0 1.089 ± 35.02
1000
500
0
−500
−1000
pull
Entries 54
Mean −300.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

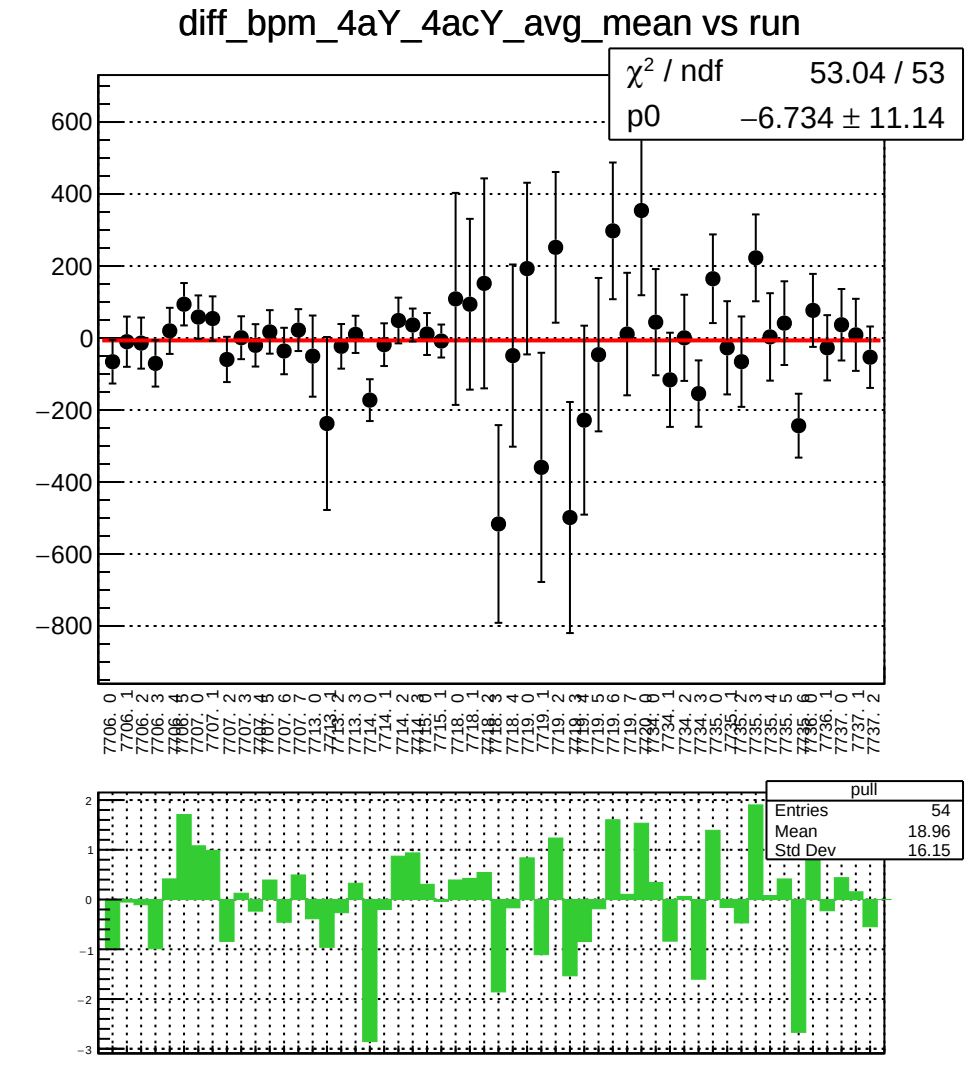

pull1D
Entries 54
Mean 0.01402
Std Dev 0.802
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

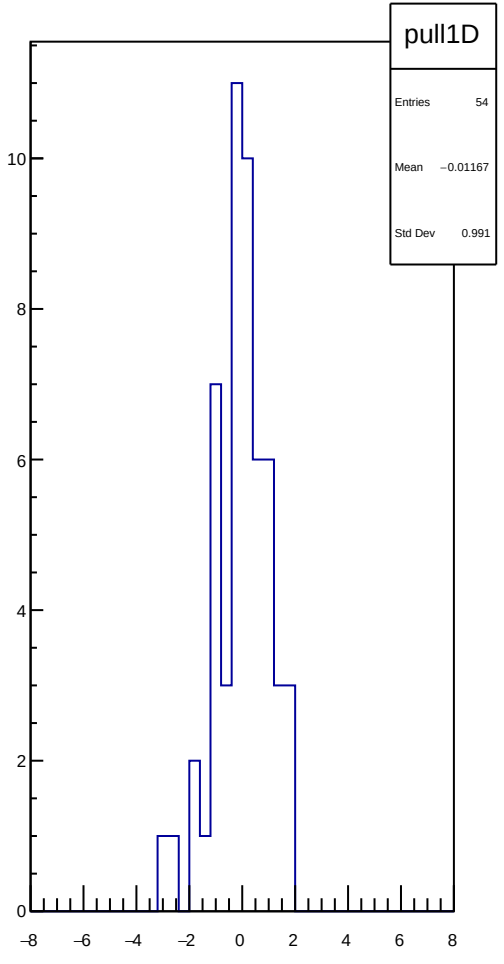

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 2.879e+04 / 53
p0 2.517e+04 ± 24.76
34000
32000
30000
28000
26000
24000
22000
20000
18000

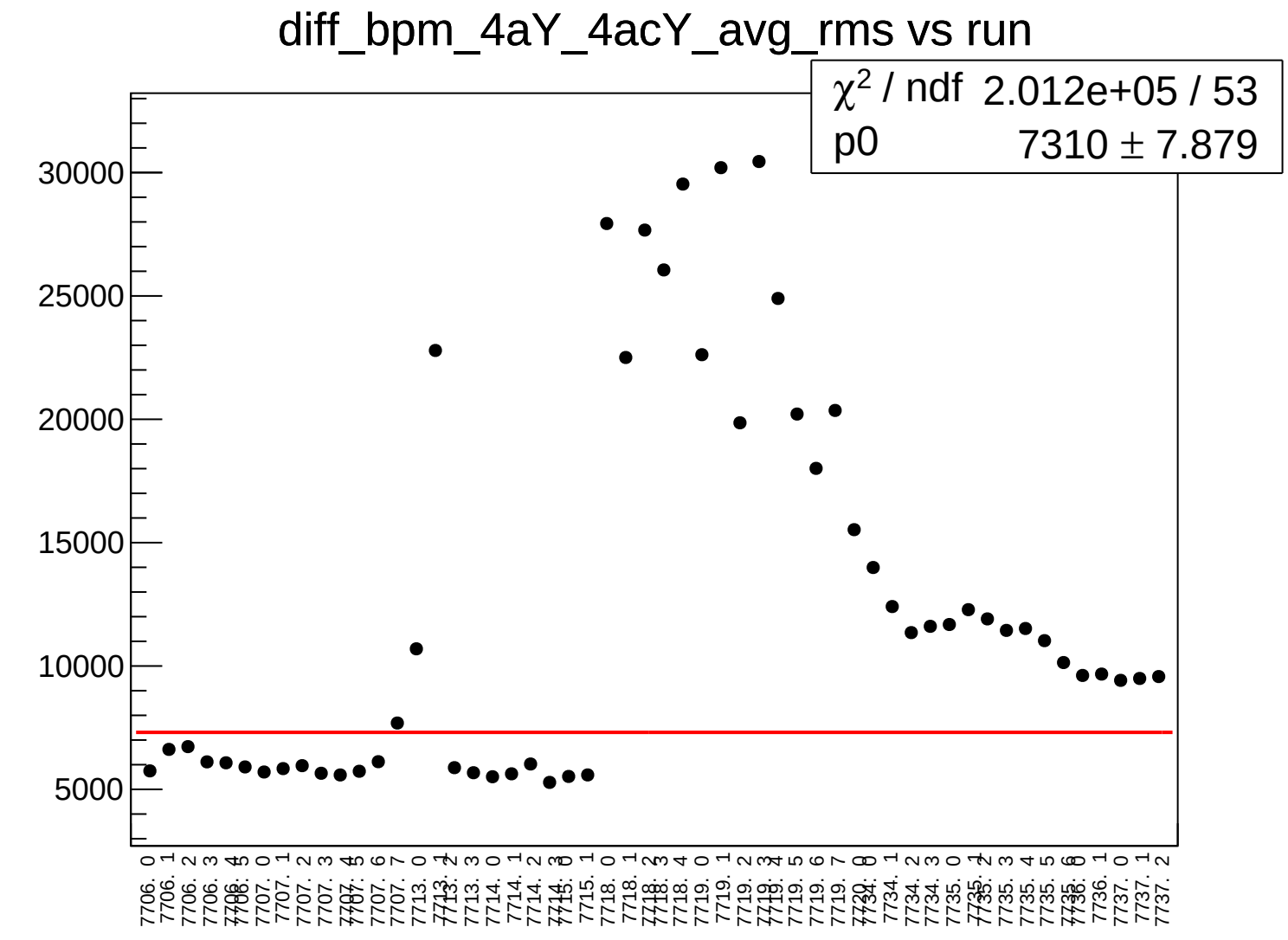

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 35.19 / 53
p0 0.03904 ± 0.4831
pull
Entries 54
Mean 137.7
Std Dev 0

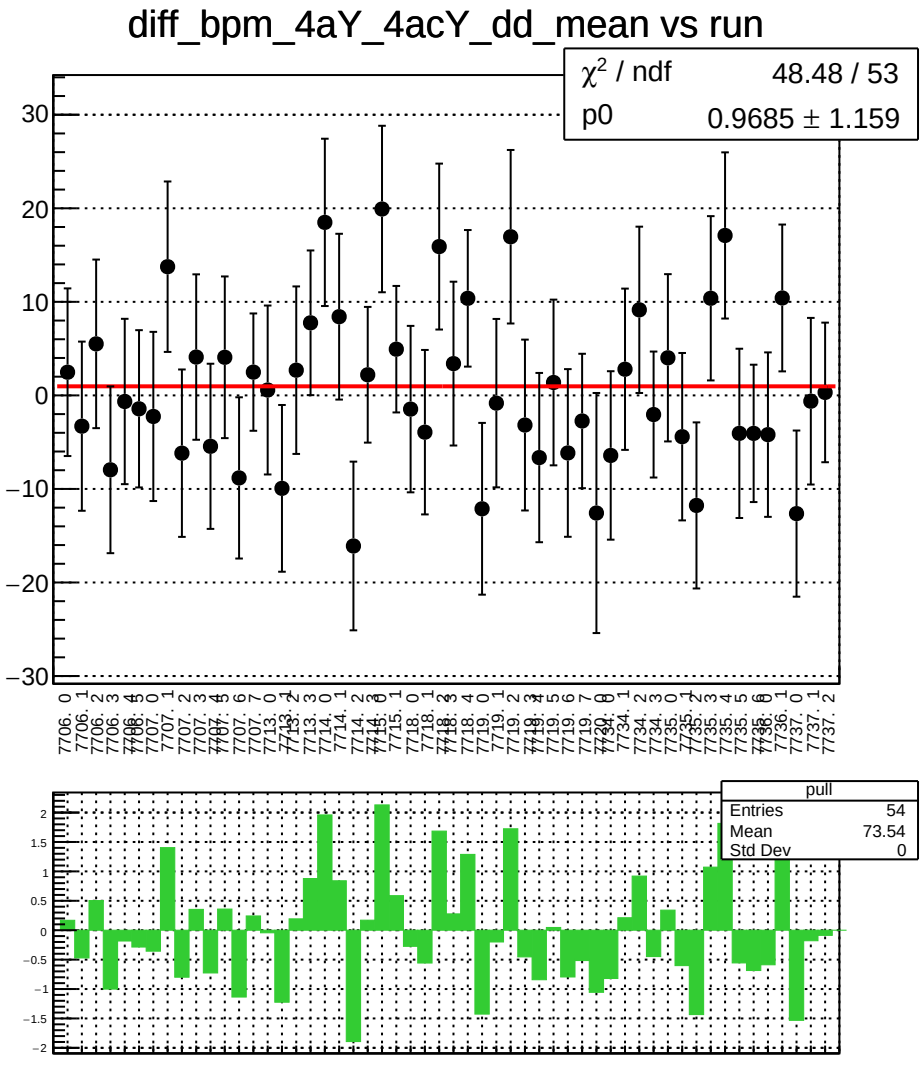

pull1D
Entries 54
Mean 0.01639
Std Dev 0.8071

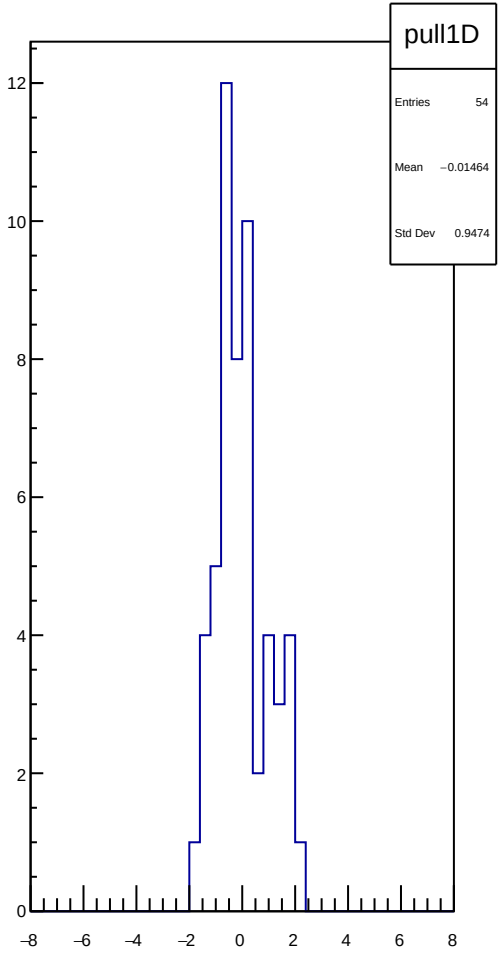

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 1023 / 53
p0 351.9 ± 0.3416
380
370
360
350
340
330

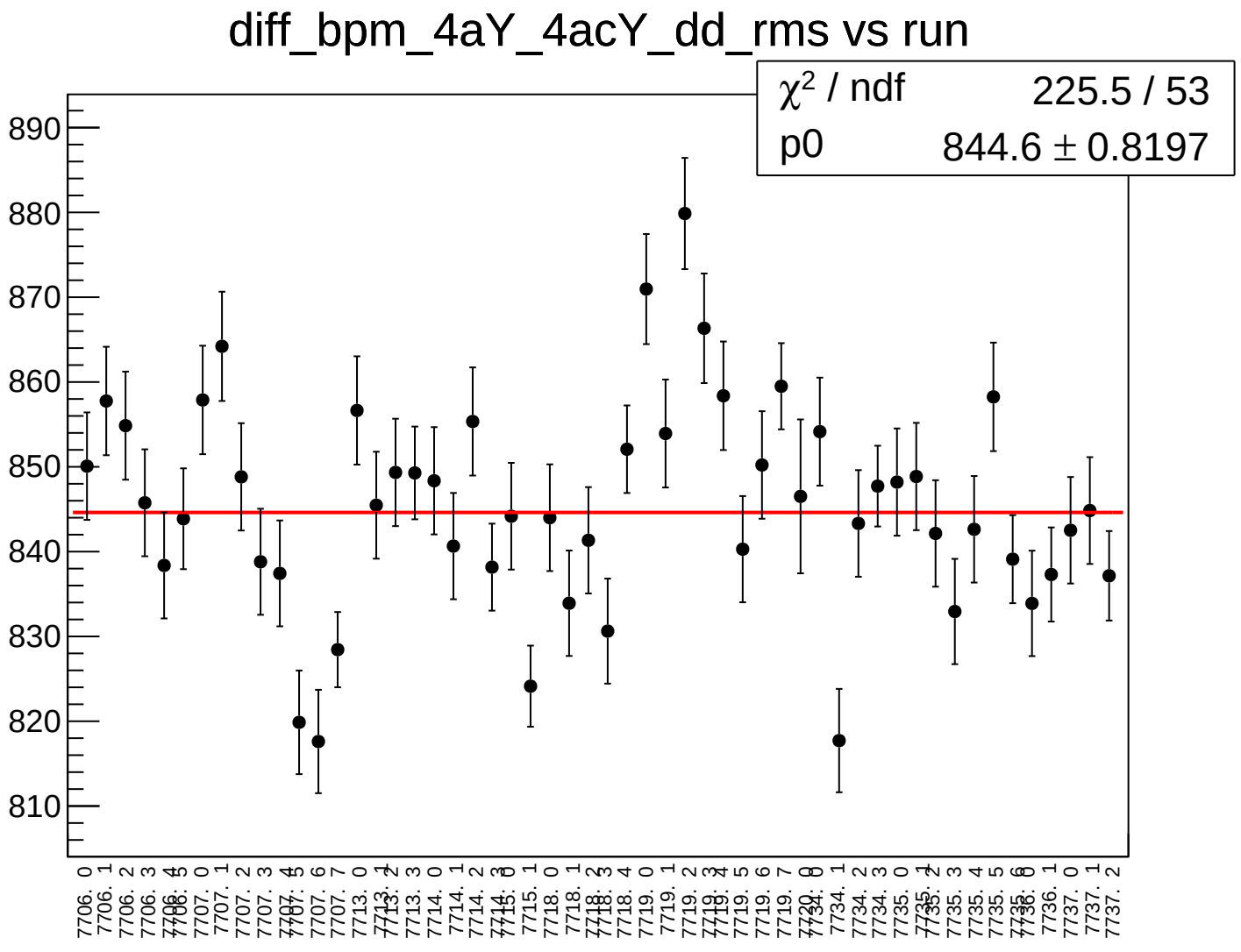

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 53.04 / 53
p0 −6.734 ± 11.14
pull
Entries 54
Mean 18.96
Std Dev 16.15

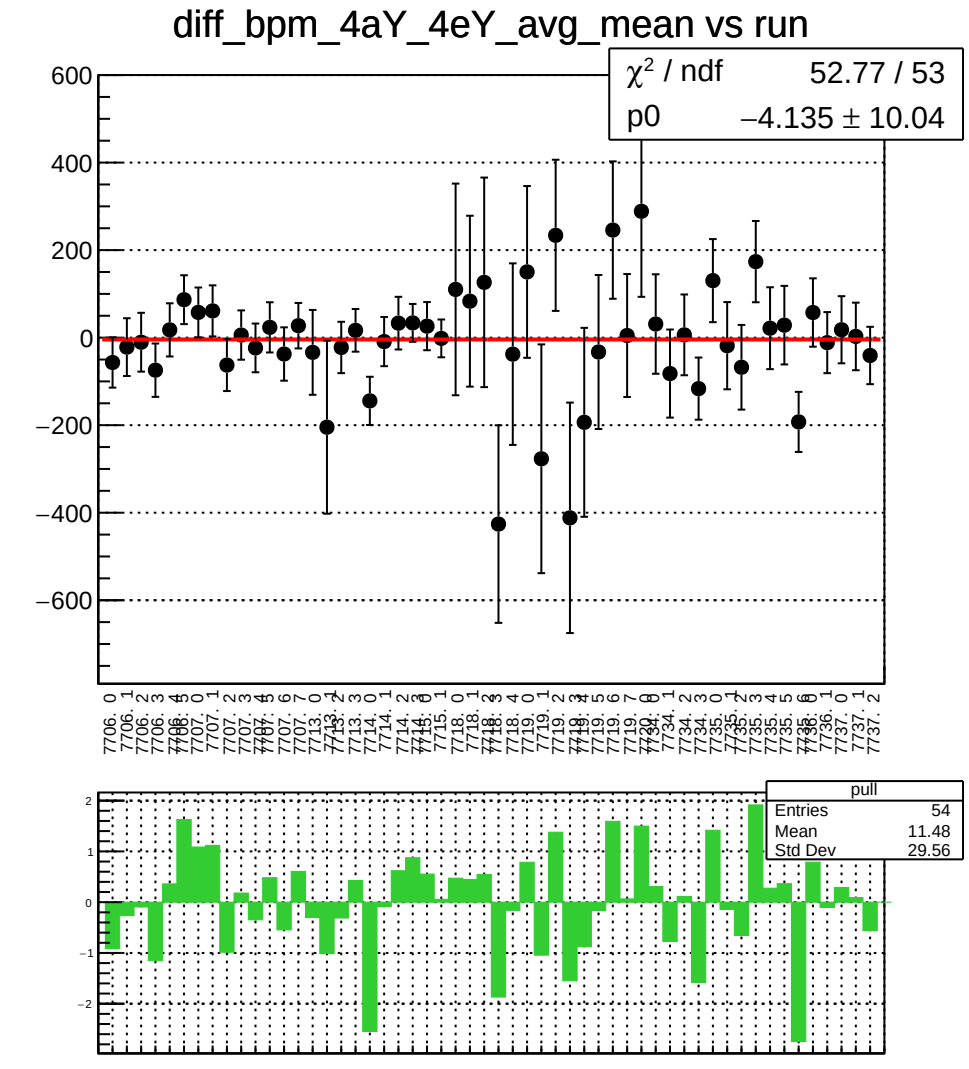

pull1D
Entries 54
Mean −0.01167
Std Dev 0.991

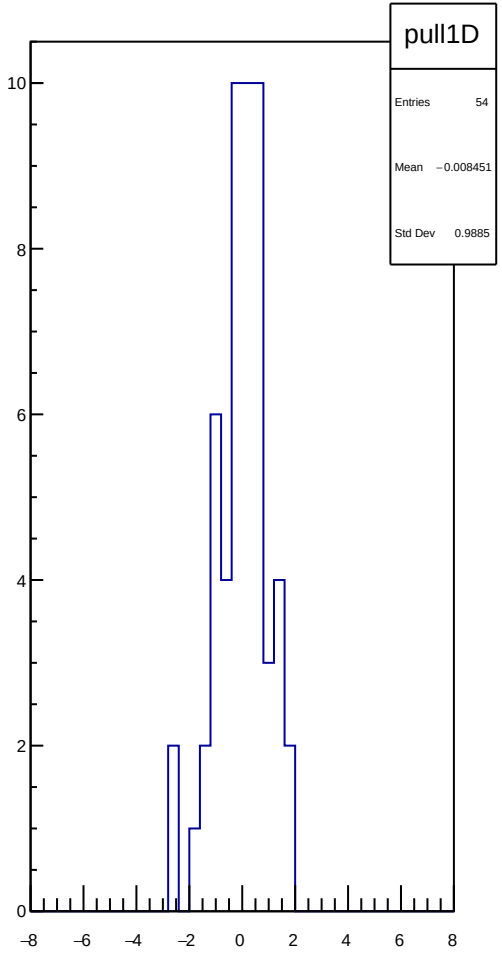

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 2.012e+05 / 53
p0 7310 ± 7.879
30000
25000
20000
15000
10000
5000

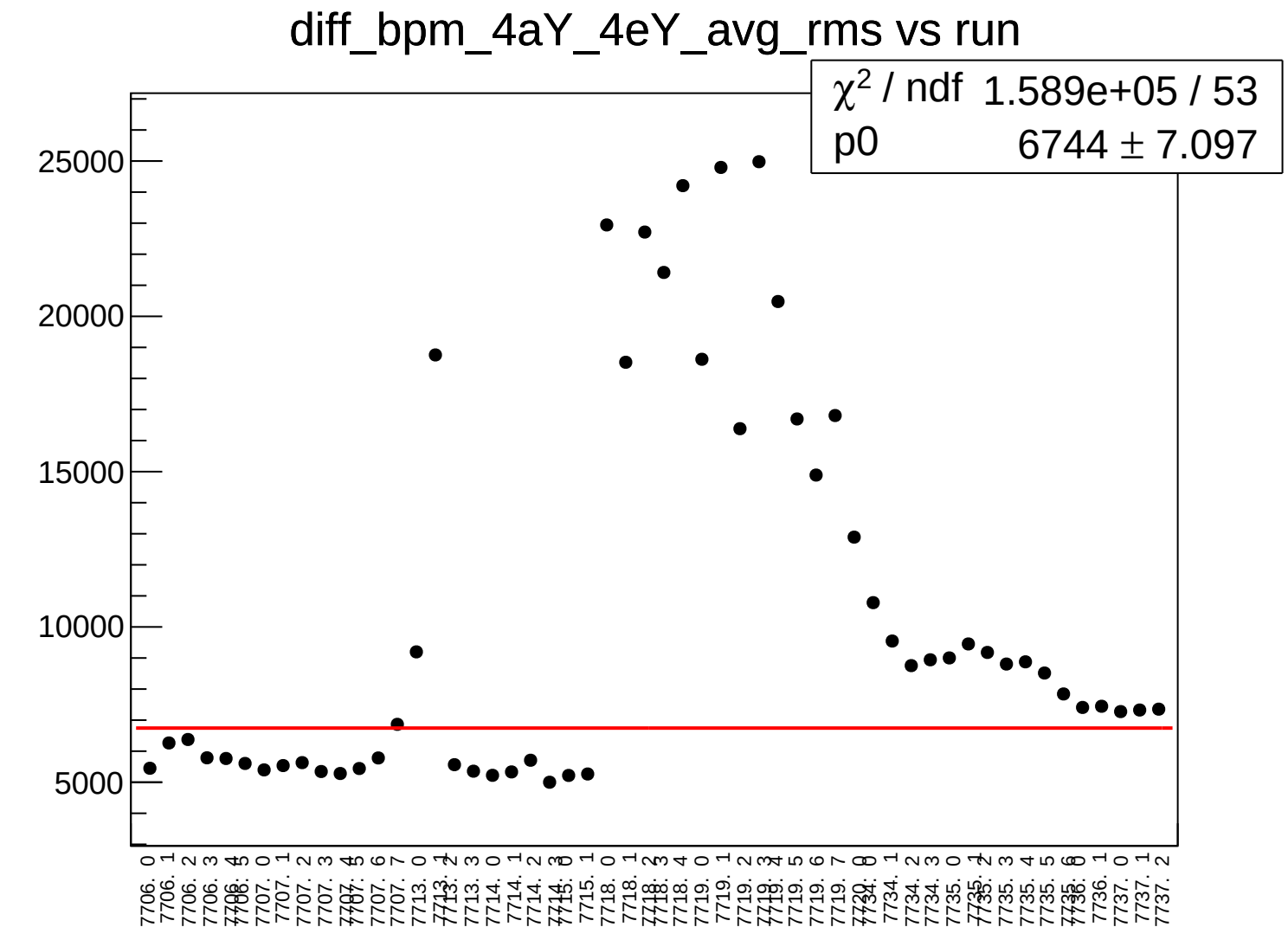

diff_bpm_4aY_4acY_dd_mean vs run
χ^2 / ndf 48.48 / 53
p0 0.9685 ± 1.159
pull
Entries 54
Mean 73.54
Std Dev 0

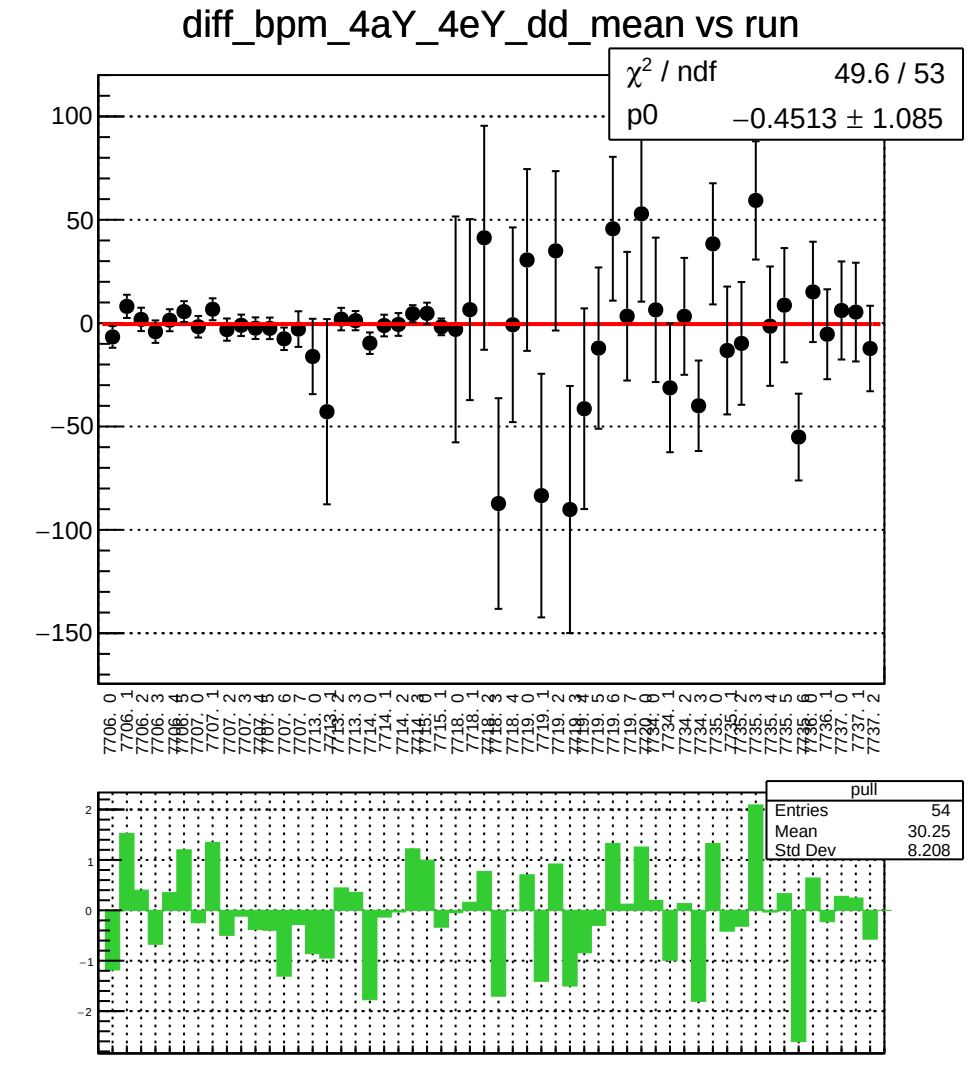

pull1D
Entries 54
Mean −0.01464
Std Dev 0.9474

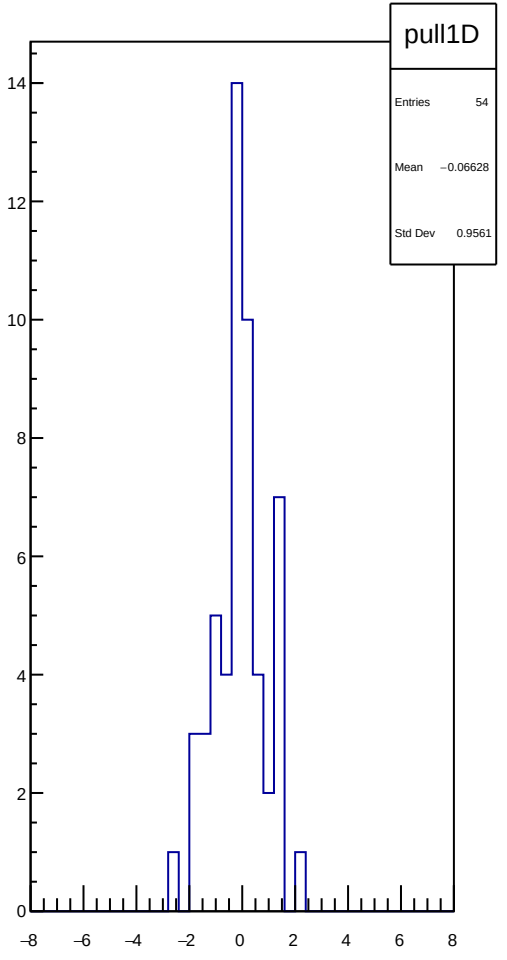

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 225.5 / 53
p0 844.6 ± 0.8197
890
880
870
860
850
840
830
820
810

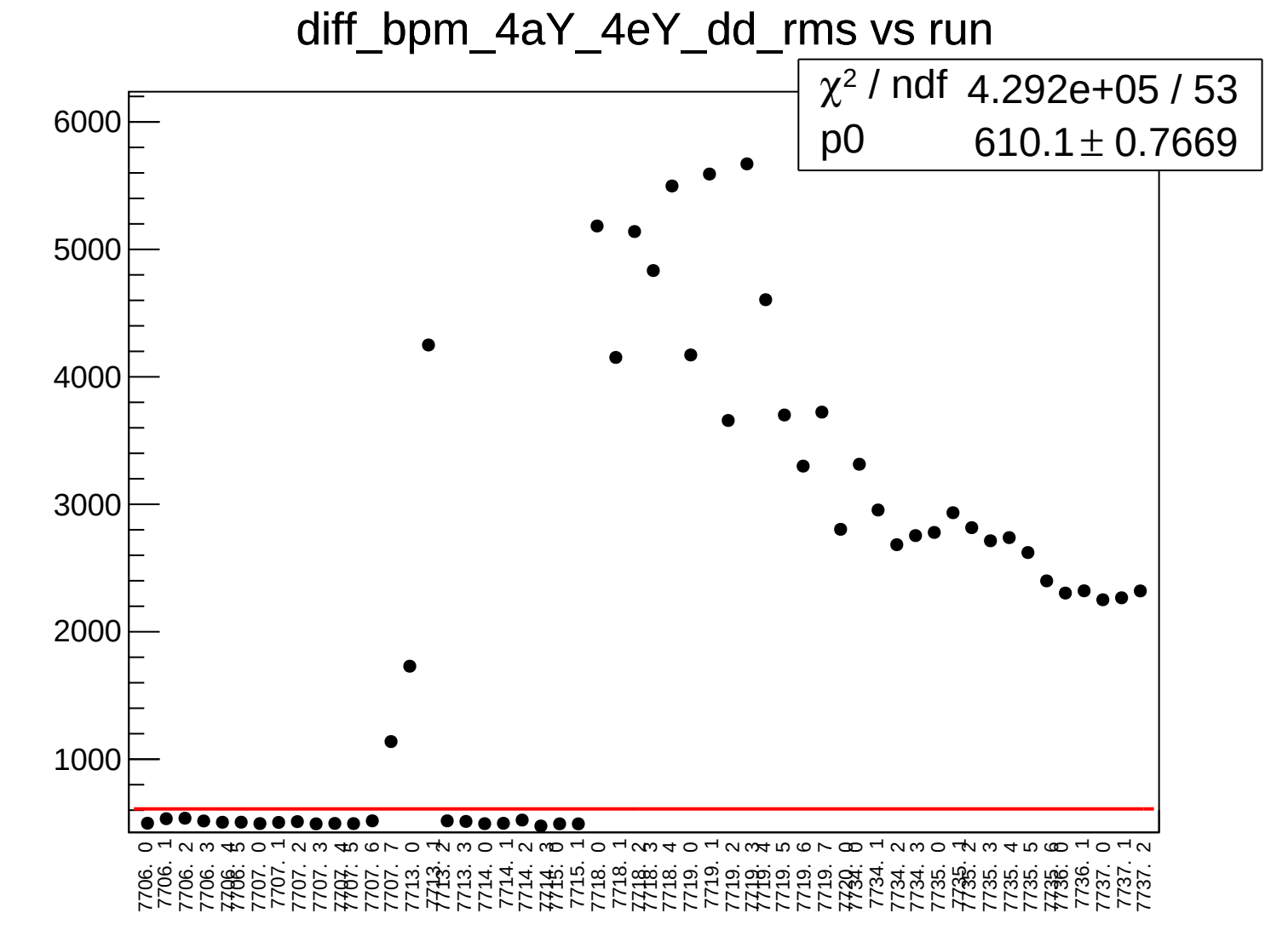

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 52.77 / 53
p0 −4.135 ± 10.04
pull
Entries 54
Mean 11.48
Std Dev 29.56

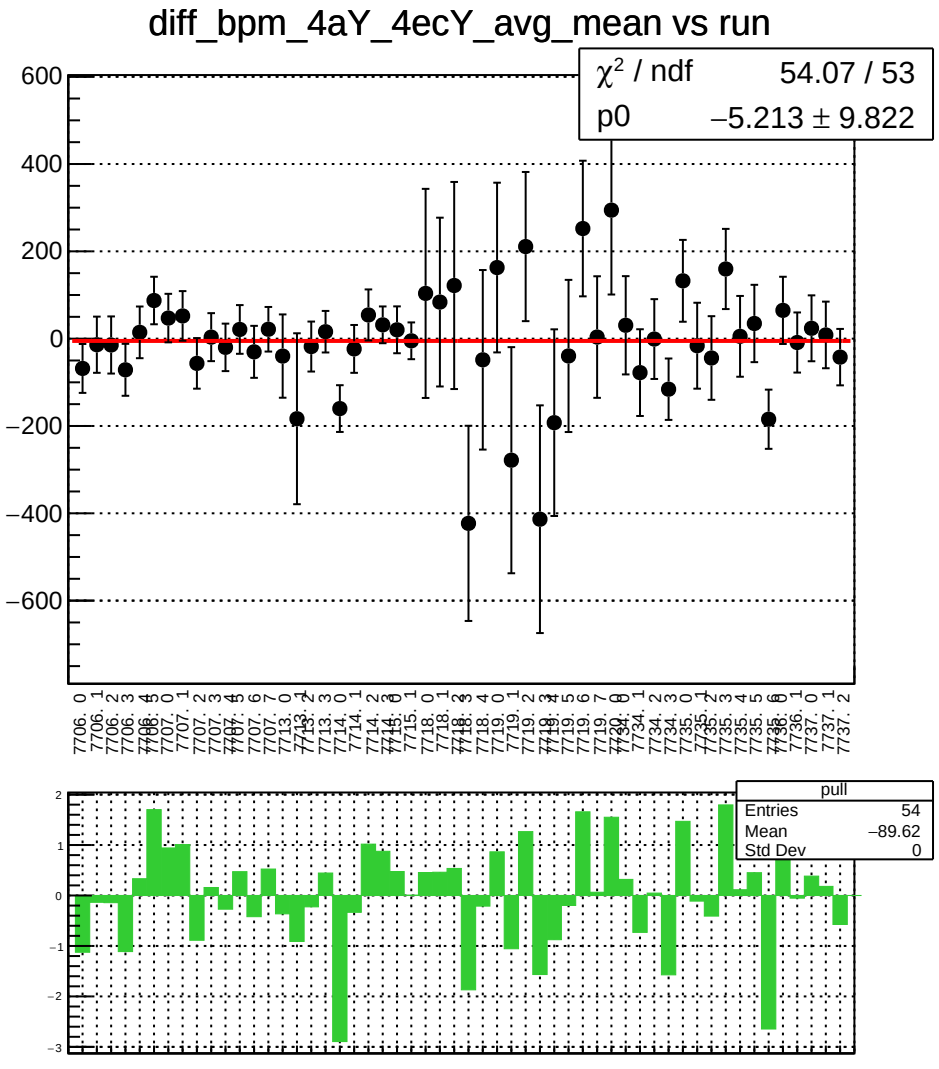

pull1D
Entries 54
Mean −0.008451
Std Dev 0.9885

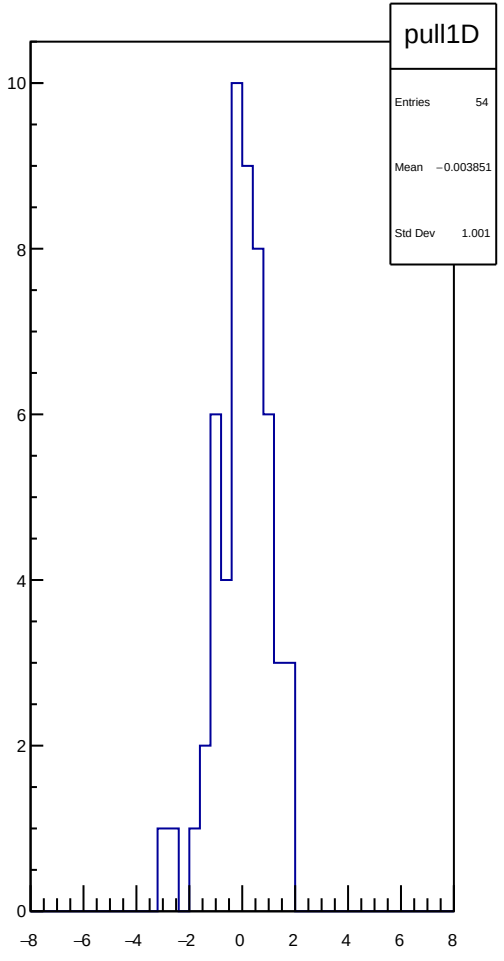

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 1.589e+05 / 53
p0 6744 ± 7.097
25000
20000
15000
10000
5000

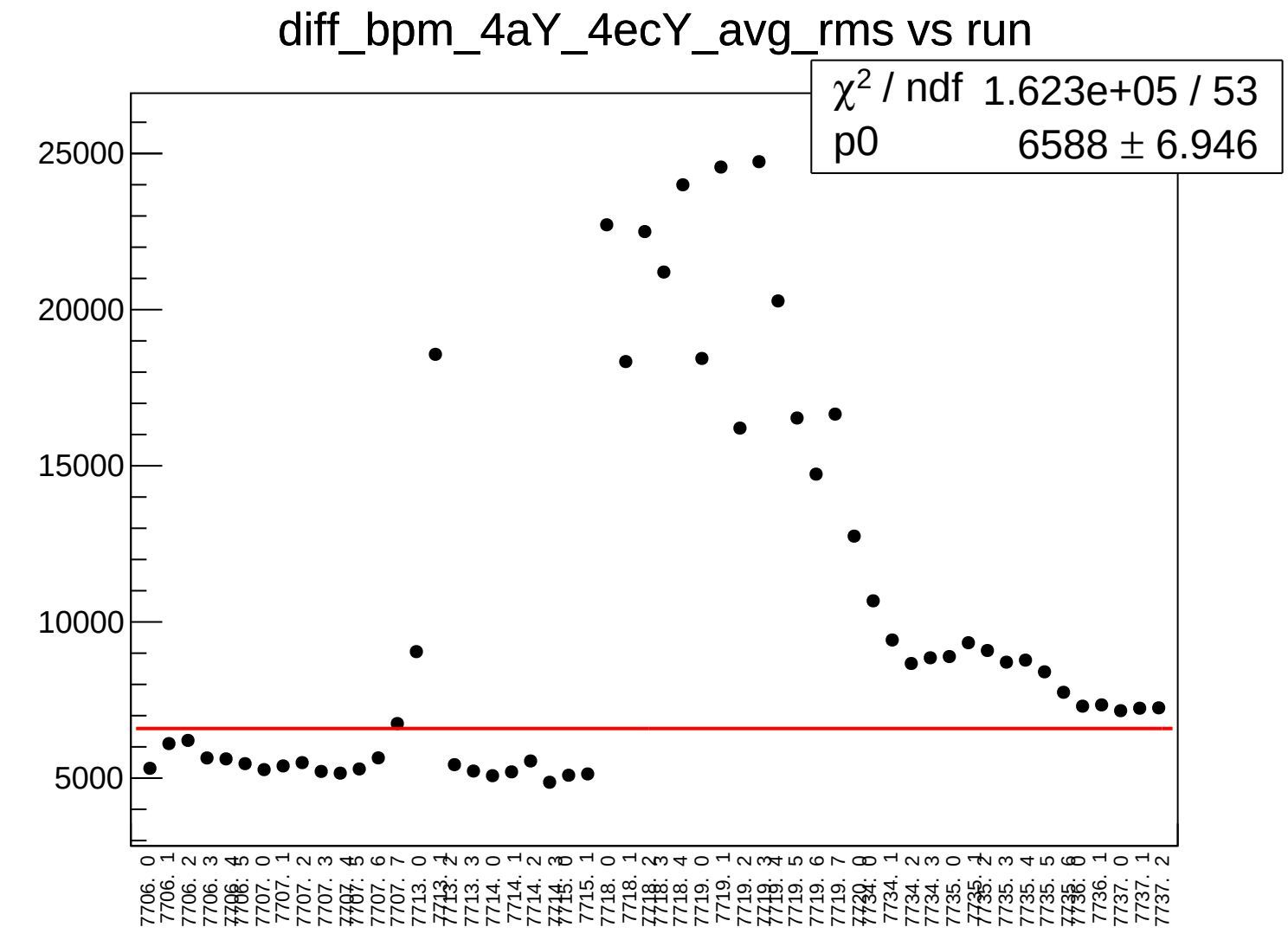

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 49.6 / 53
p0 −0.4513 ± 1.085
pull
Entries 54
Mean 30.25
Std Dev 8.208

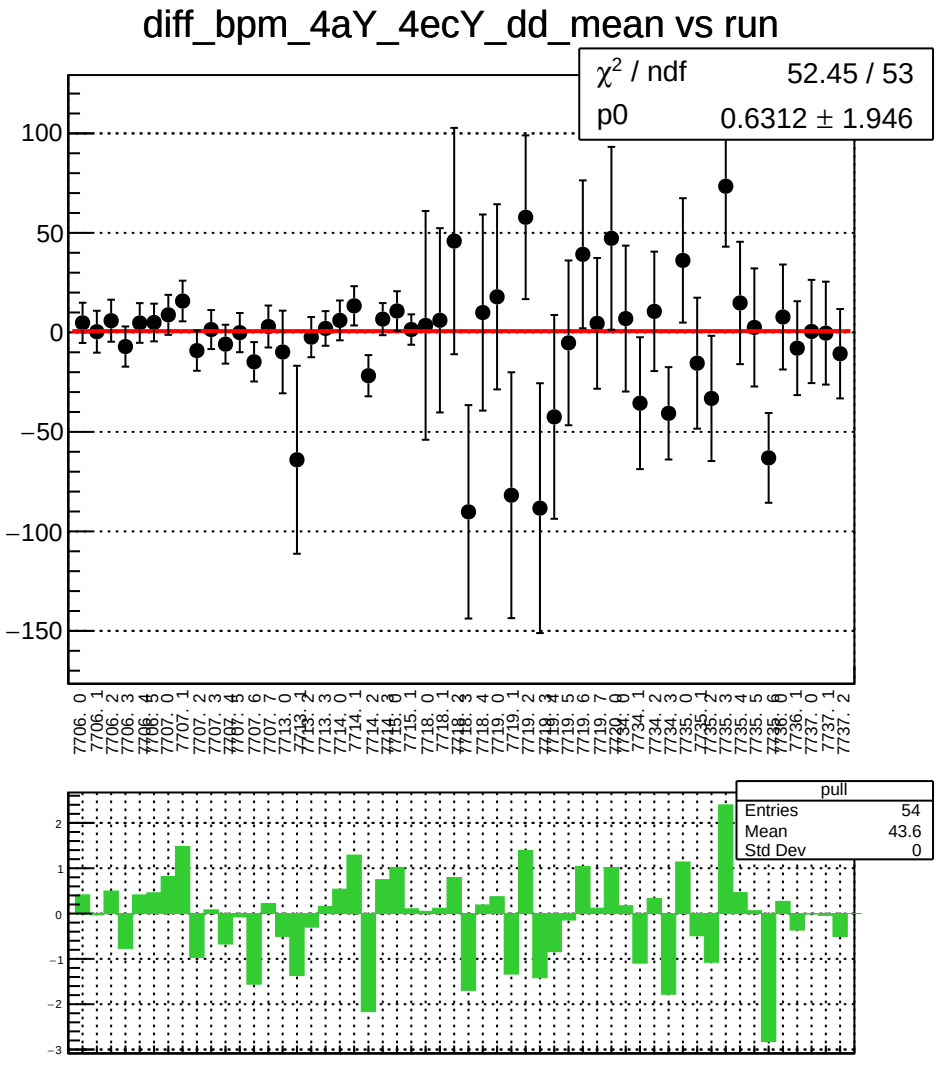

pull1D
Entries 54
Mean −0.06628
Std Dev 0.9561

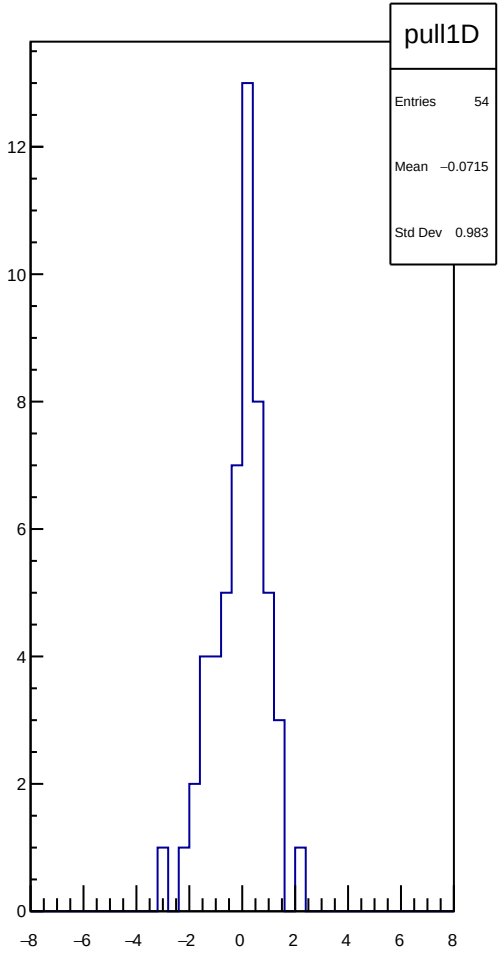

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 4.292e+05 / 53
p0 610.1 ± 0.7669
6000
5000
4000
3000
2000
1000

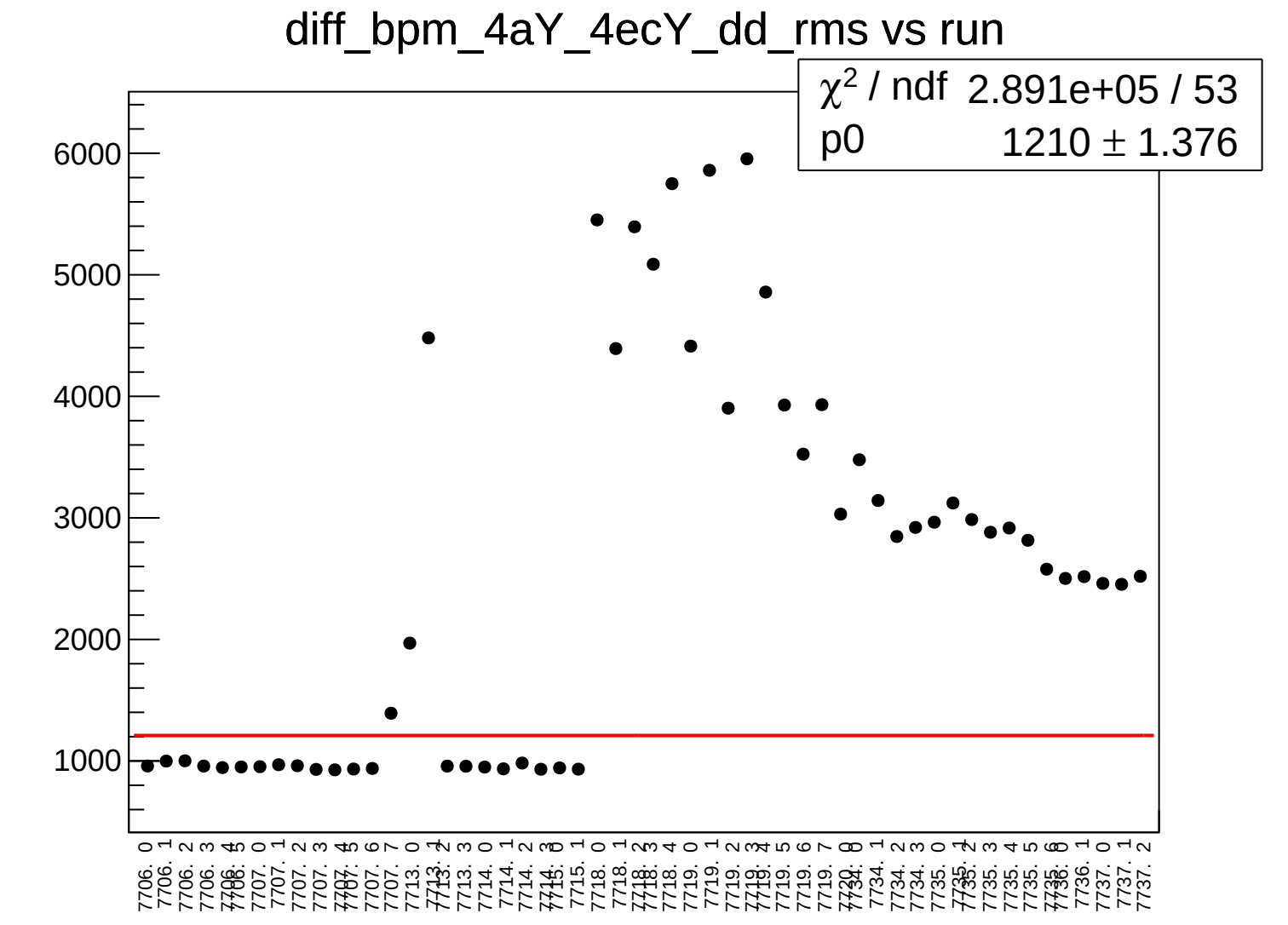

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 54.07 / 53
p0 −5.213 ± 9.822
pull
Entries 54
Mean −89.62
Std Dev 0

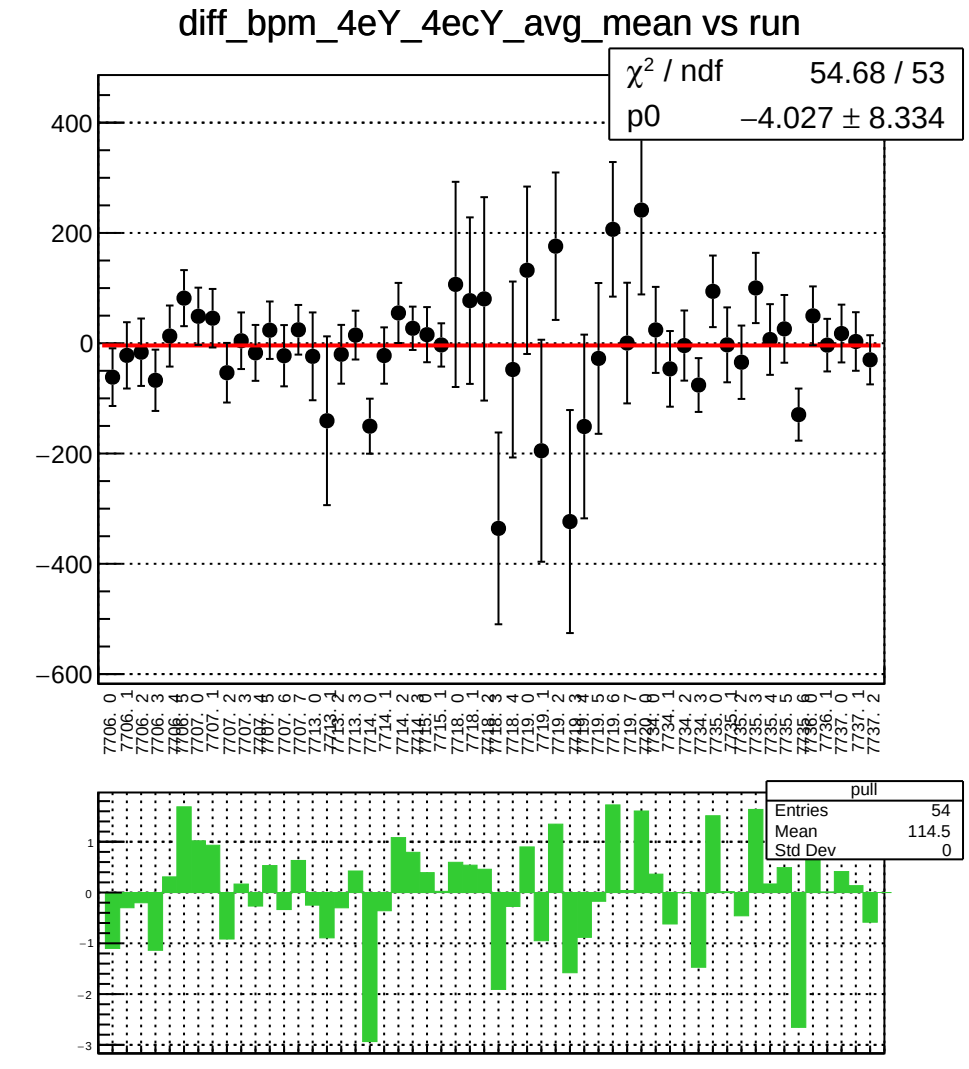

pull1D
Entries 54
Mean −0.003851
Std Dev 1.001

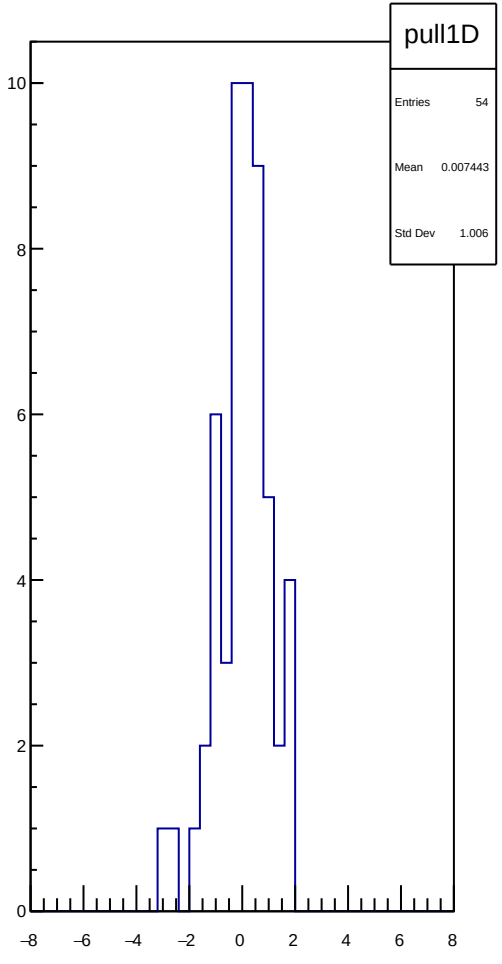

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1.623e+05 / 53
p0 6588 ± 6.946
25000
20000
15000
10000
5000

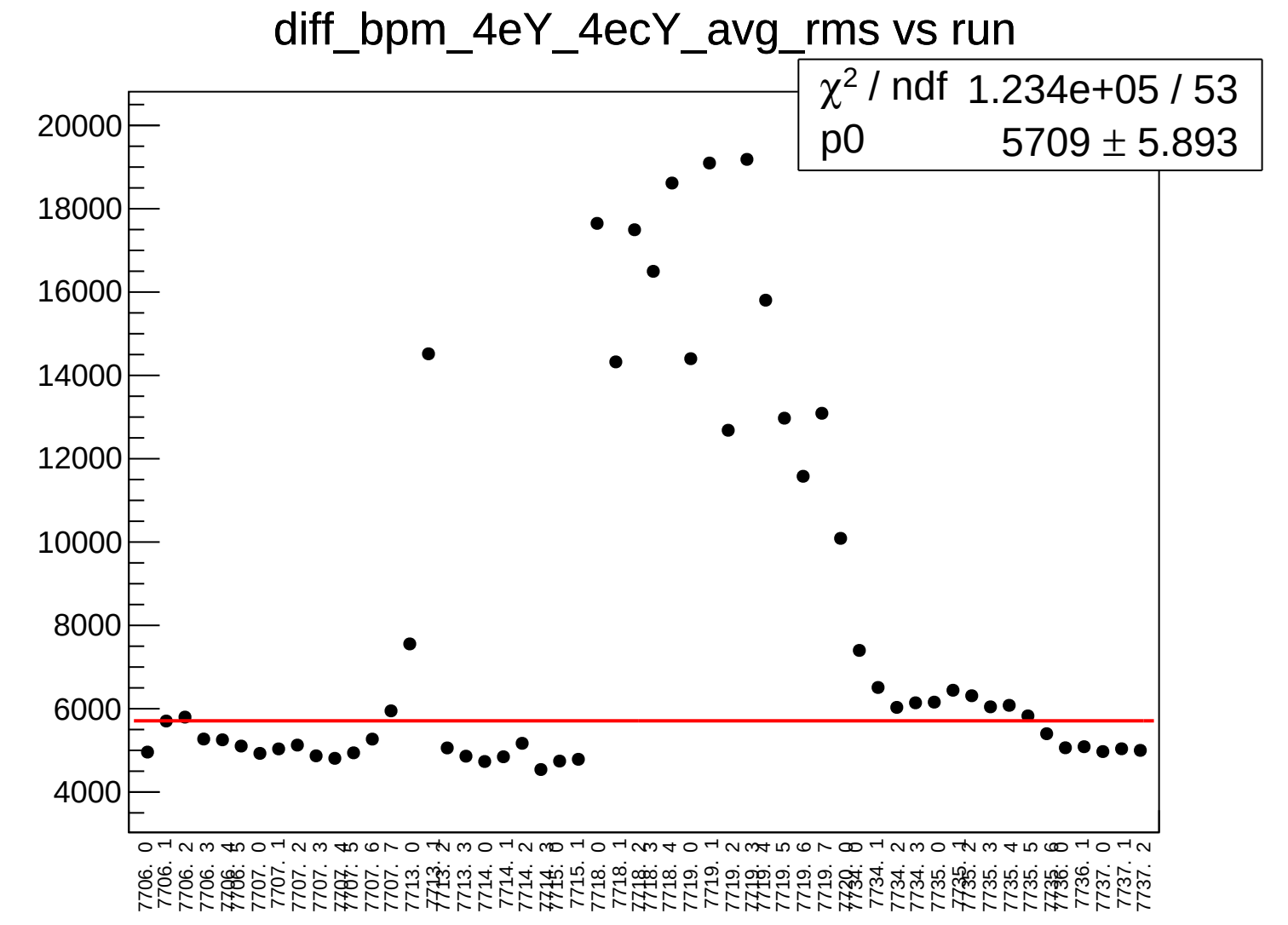

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 52.45 / 53
p0 0.6312 ± 1.946
pull
Entries 54
Mean 43.6
Std Dev 0

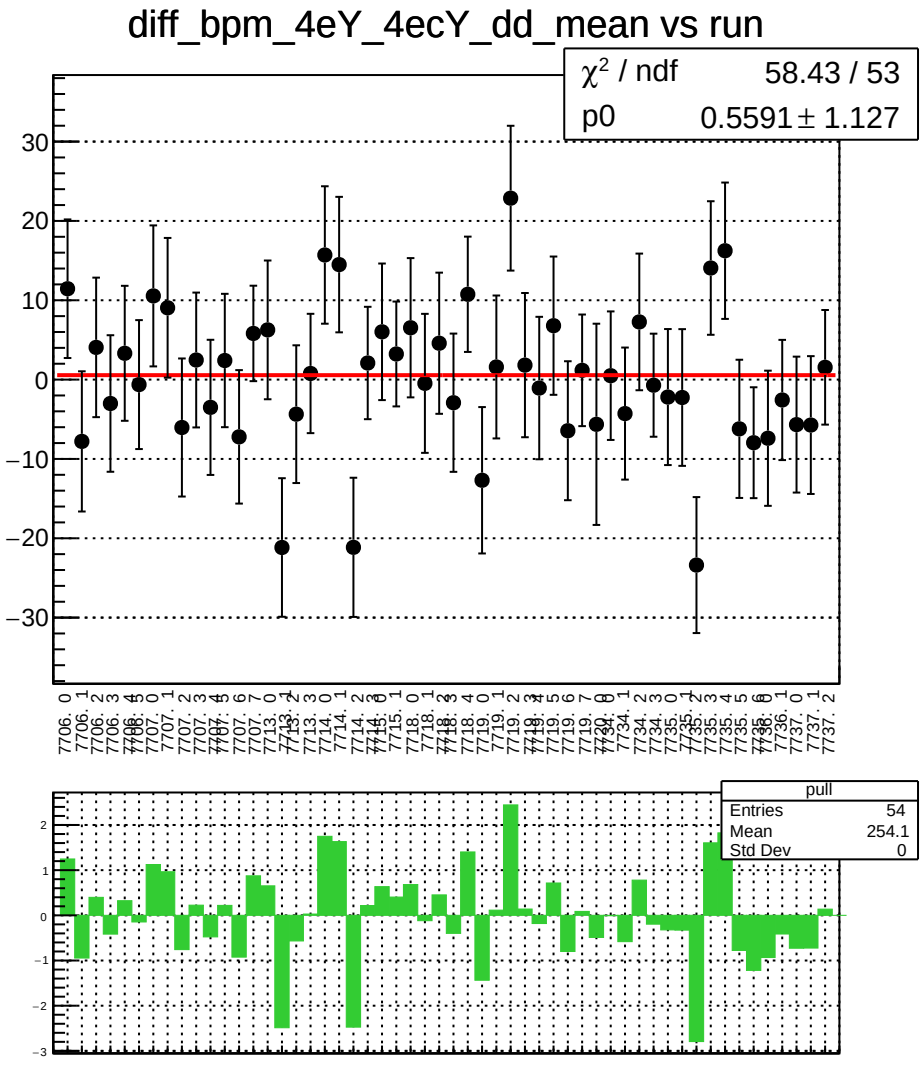

pull1D
Entries 54
Mean −0.0715
Std Dev 0.983

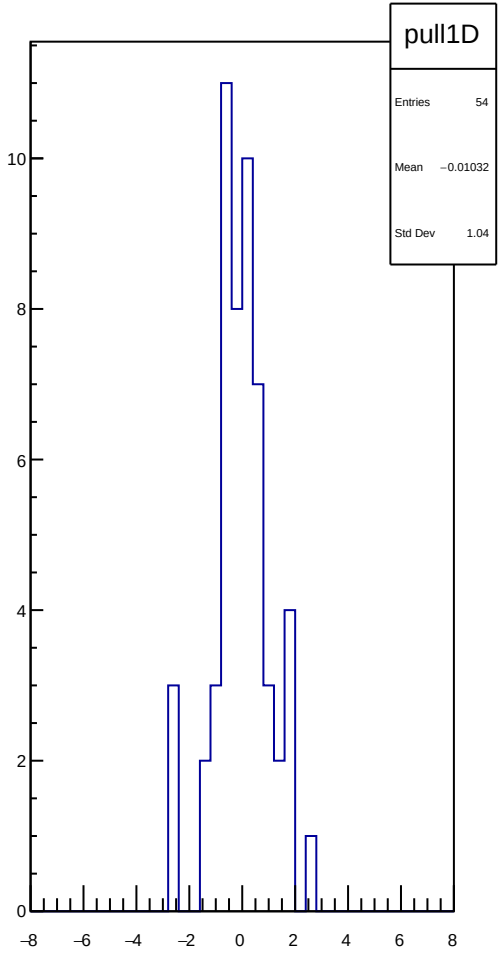

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 2.891e+05 / 53
p0 1210 ± 1.376
6000
5000
4000
3000
2000
1000

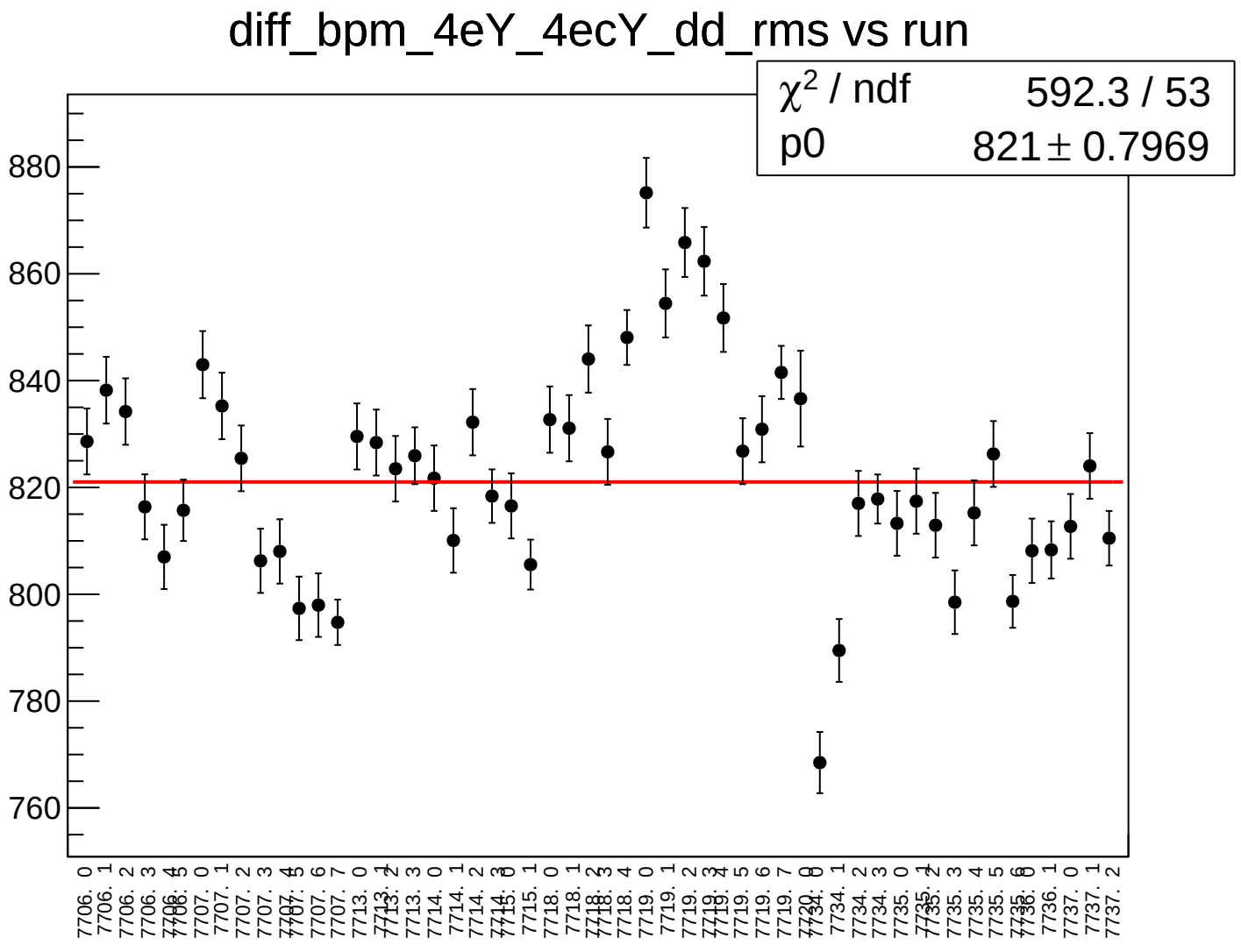

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 54.68 / 53
p0 −4.027 ± 8.334
pull
Entries 54
Mean 114.5
Std Dev 0

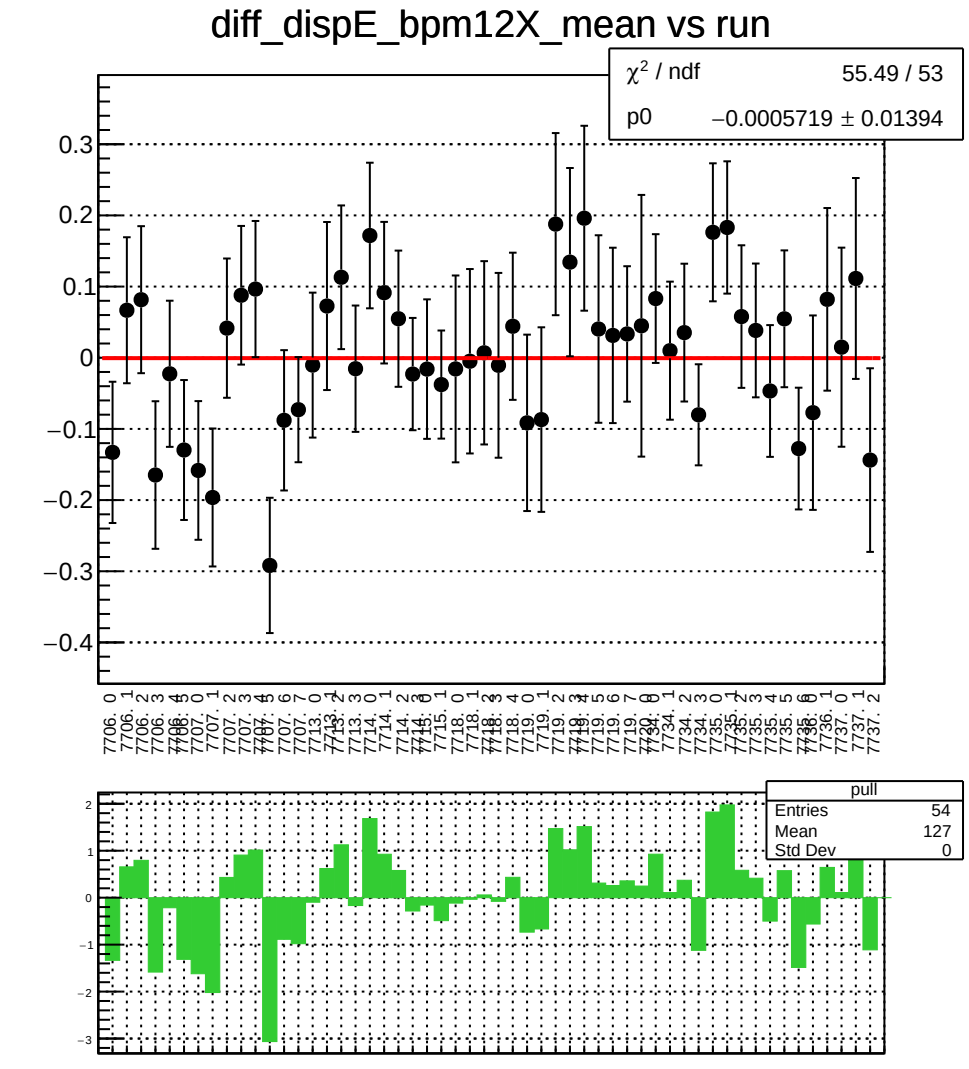

pull1D
Entries 54
Mean 0.007443
Std Dev 1.006

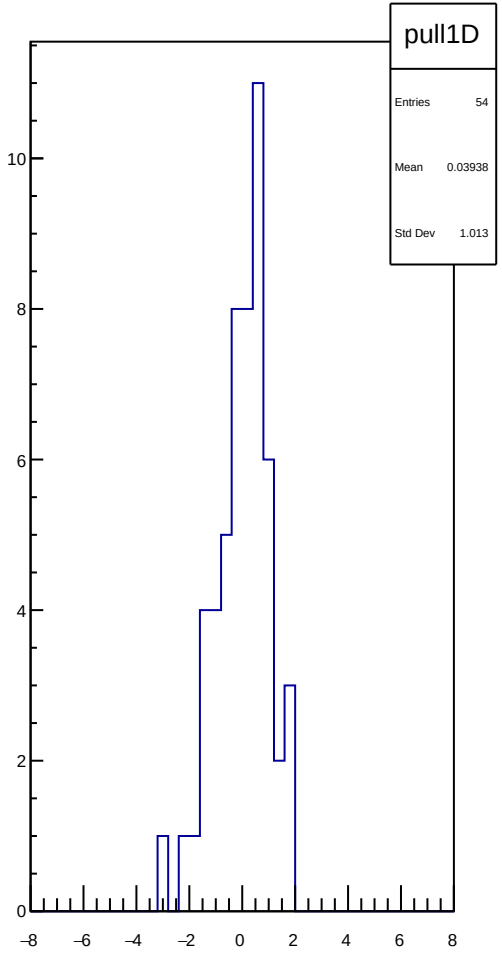

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1.234e+05 / 53
p0 5709 ± 5.893
20000
18000
16000
14000
12000
10000
8000
6000
4000

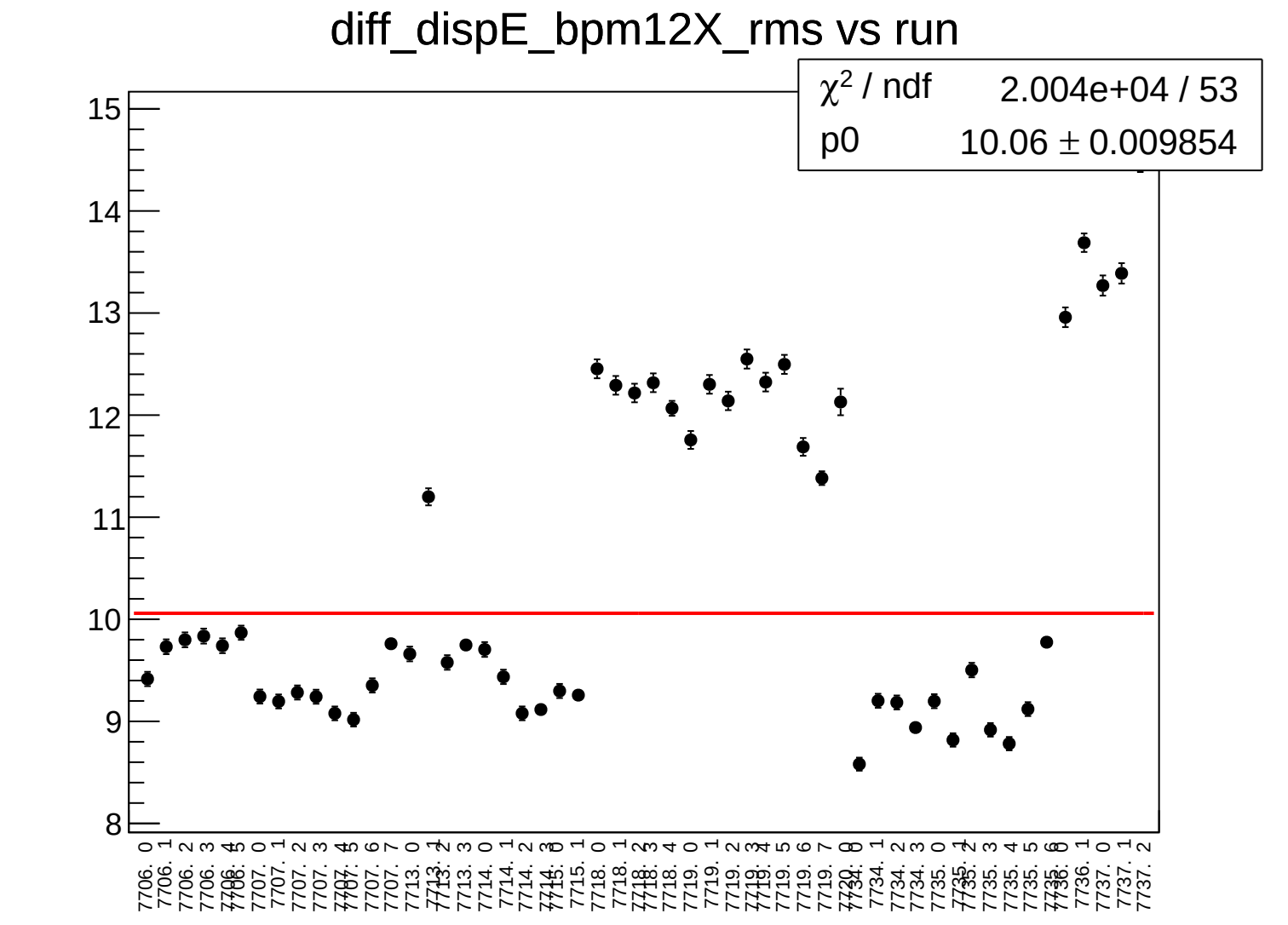

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 58.43 / 53
p0 0.5591 ± 1.127
pull
Entries 54
Mean 254.1
Std Dev 0

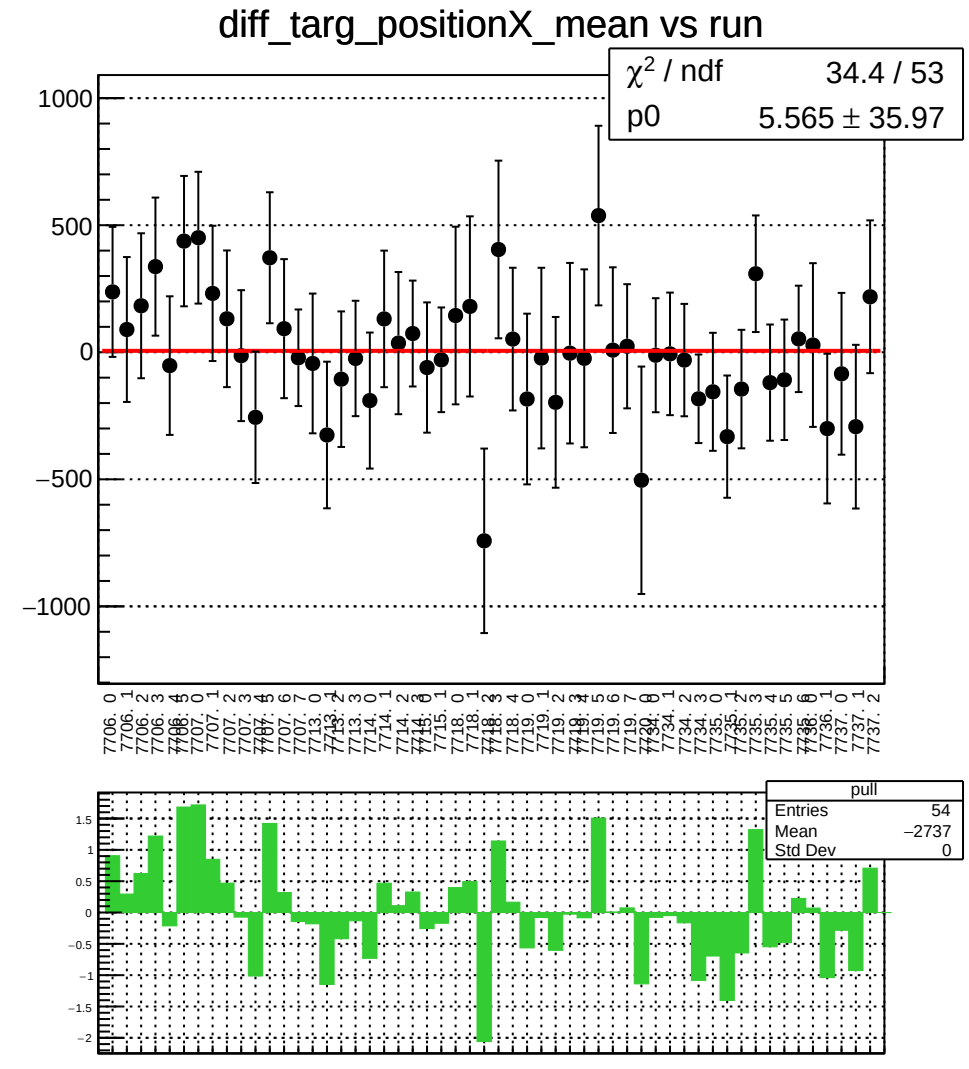

pull1D
Entries 54
Mean −0.01032
Std Dev 1.04

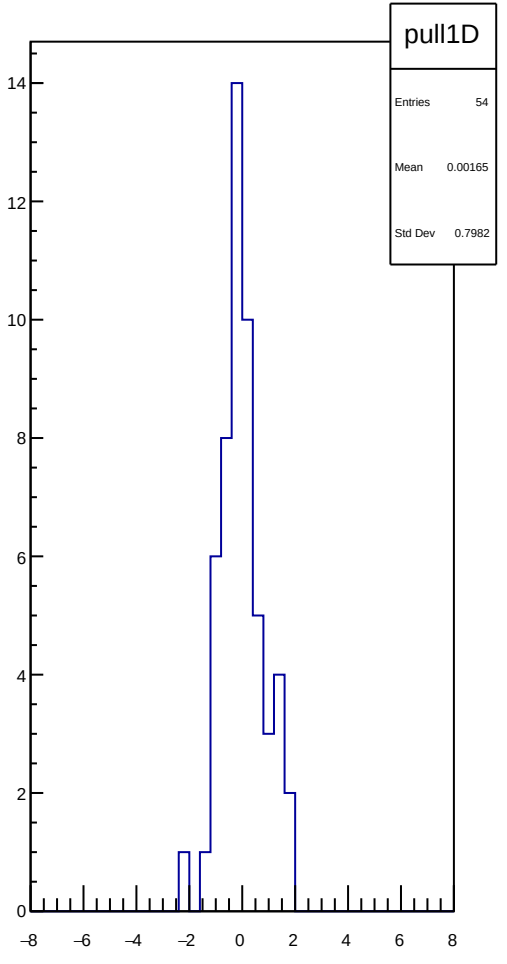

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 592.3 / 53
p0 821 ± 0.7969
880
860
840
820
800
780
760
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

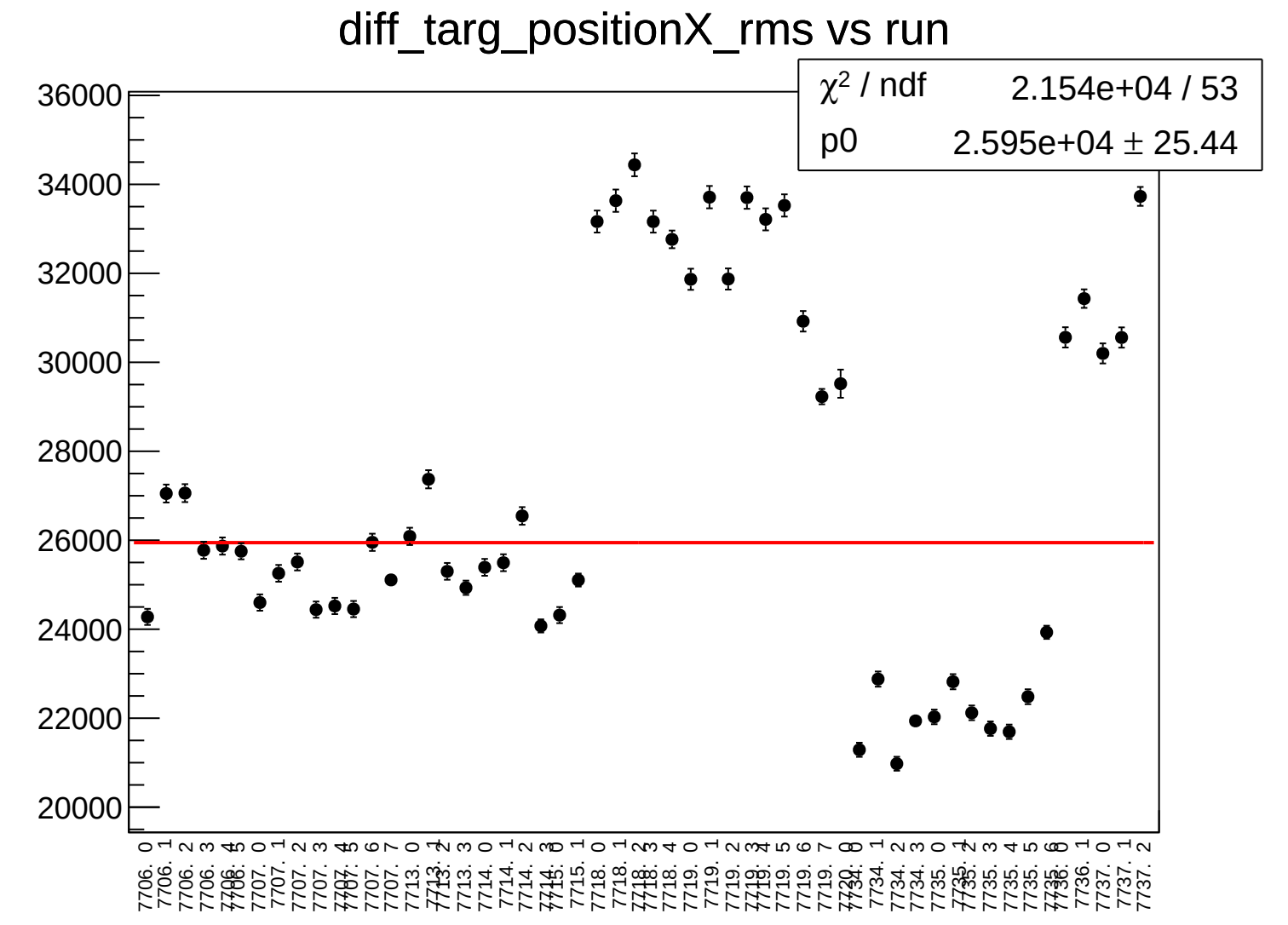

diff_dispE_bpm12X_mean vs run
χ² / ndf 55.49 / 53
p0 −0.0005719 ± 0.01394
pull
Entries 54
Mean 127
Std Dev 0

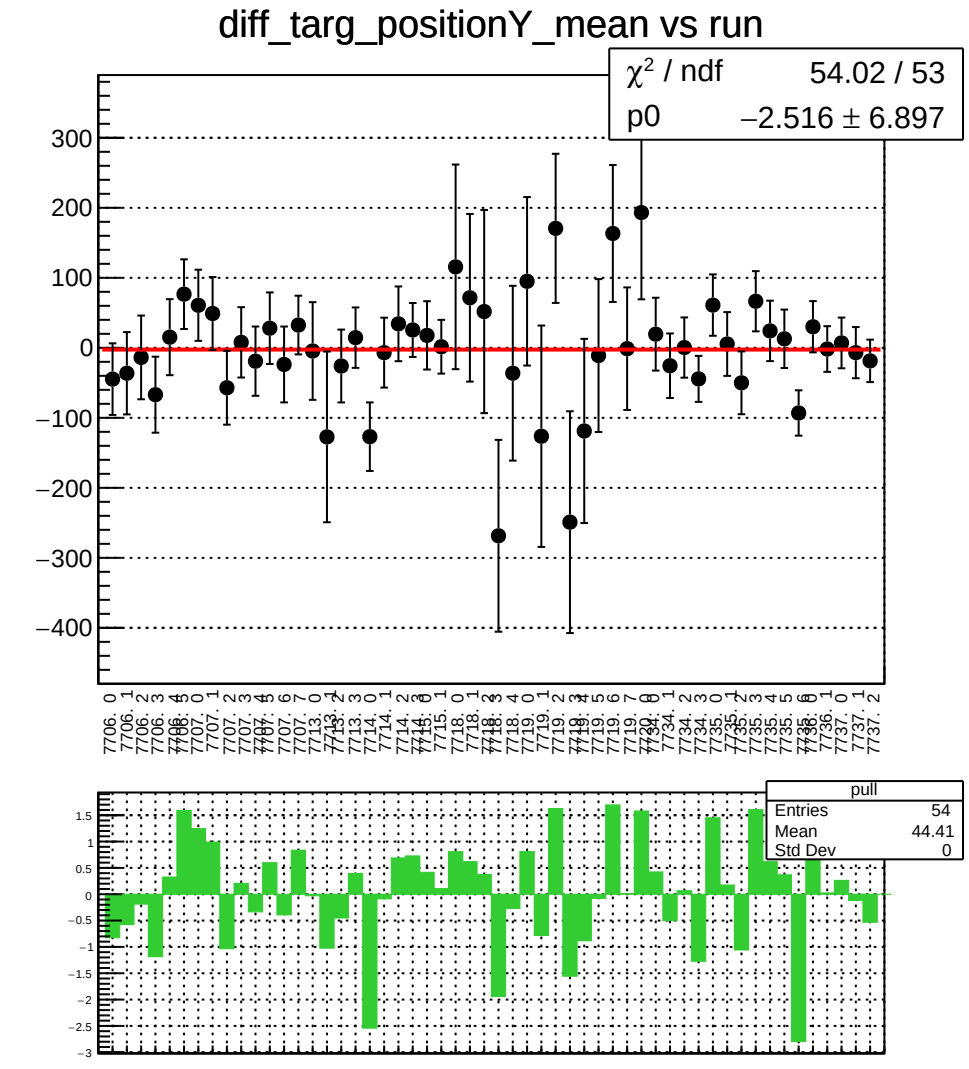

pull1D
Entries 54
Mean 0.03938
Std Dev 1.013

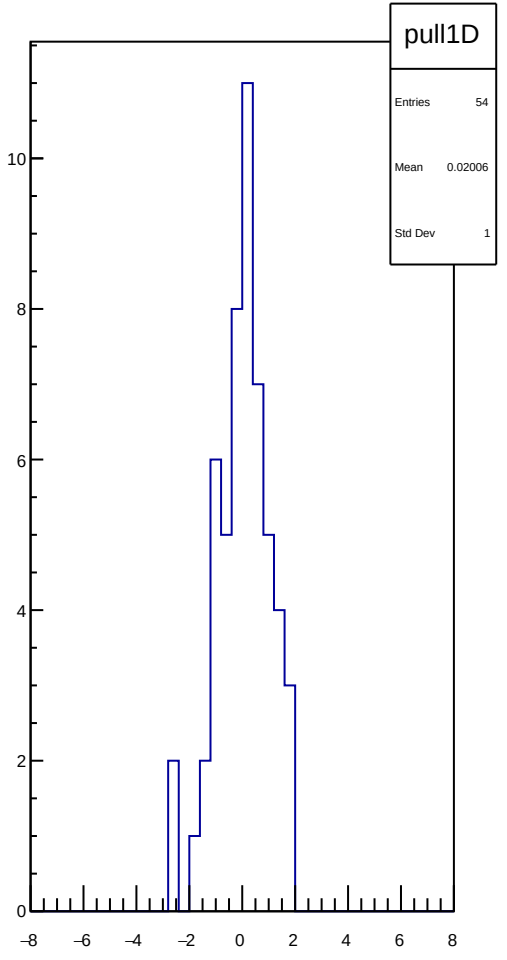

diff_dispE_bpm12X_rms vs run
χ^2 / ndf 2.004e+04 / 53
p0 10.06 ± 0.009854
15
14
13
12
11
10
9
8

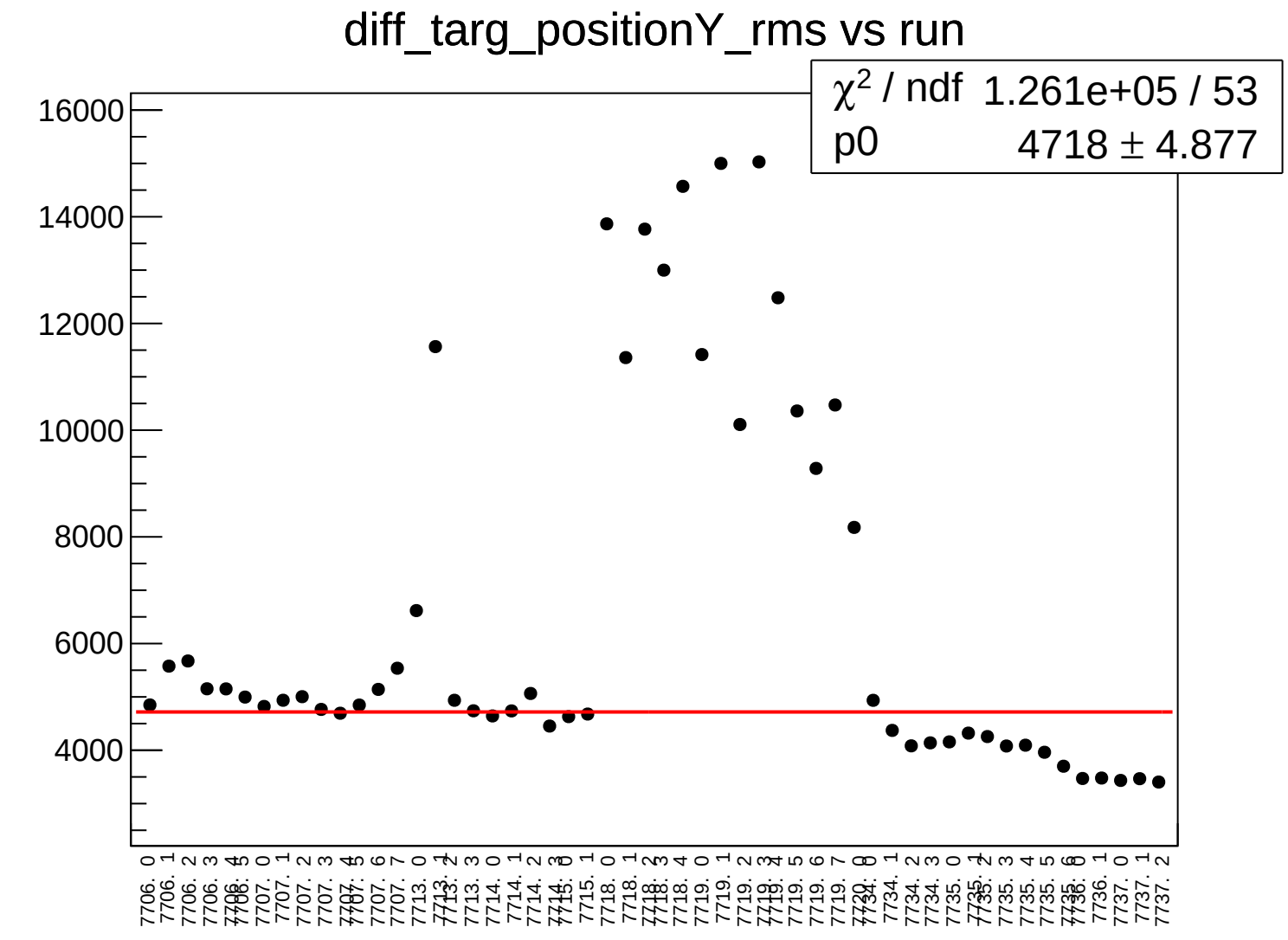

diff_targ_positionX_mean vs run
χ² / ndf 34.4 / 53
p0 5.565 ± 35.97
1000
500
0
−500
−1000
pull
Entries 54
Mean −2737
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

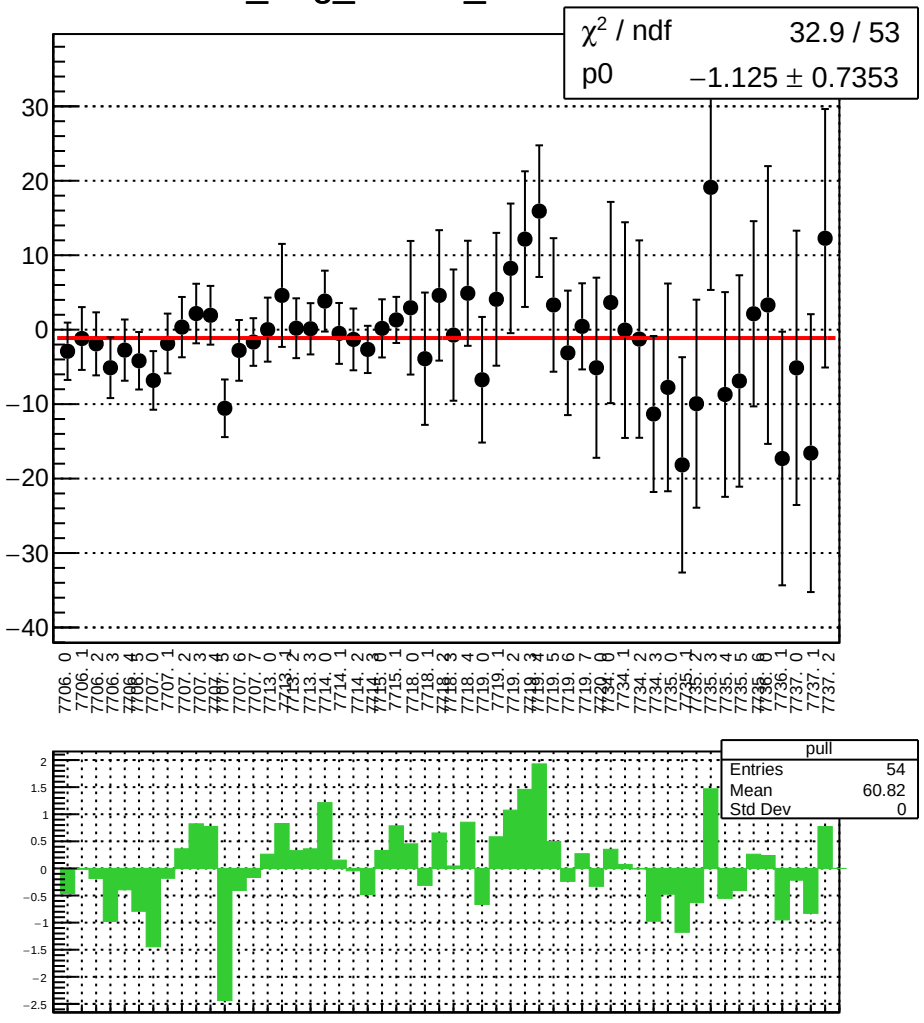

pull1D
Entries 54
Mean 0.00165
Std Dev 0.7982
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

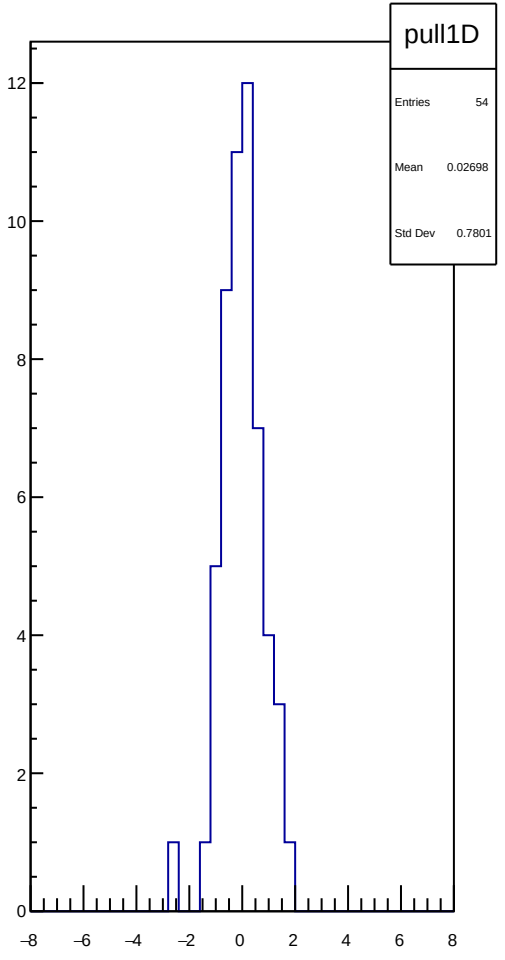

diff_targ_positionX_rms vs run
χ² / ndf 2.154e+04 / 53
p0 2.595e+04 ± 25.44
36000
34000
32000
30000
28000
26000
24000
22000
20000

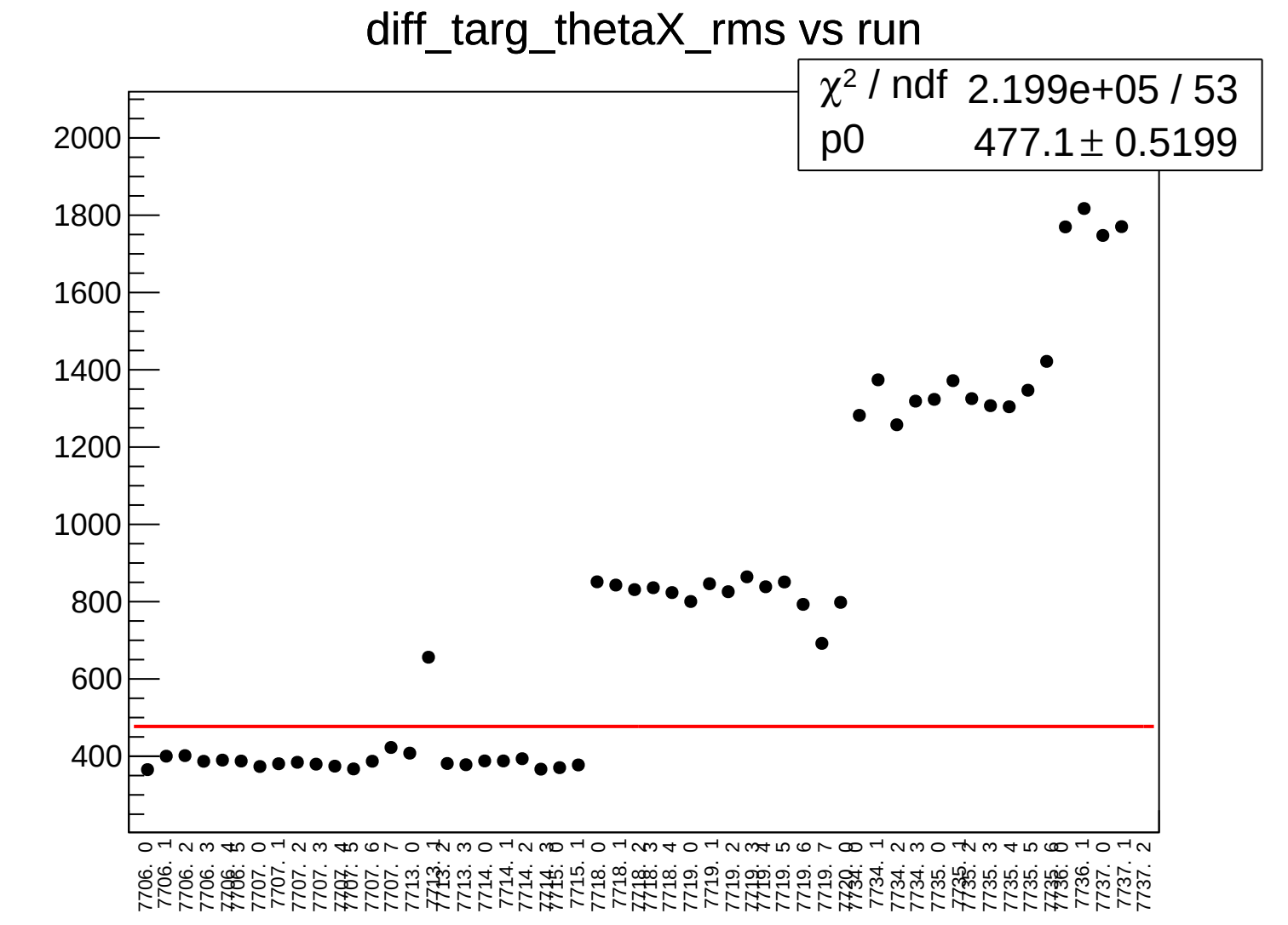

diff_targ_positionY_mean vs run
χ² / ndf 54.02 / 53
p0 −2.516 ± 6.897
pull
Entries 54
Mean 44.41
Std Dev 0

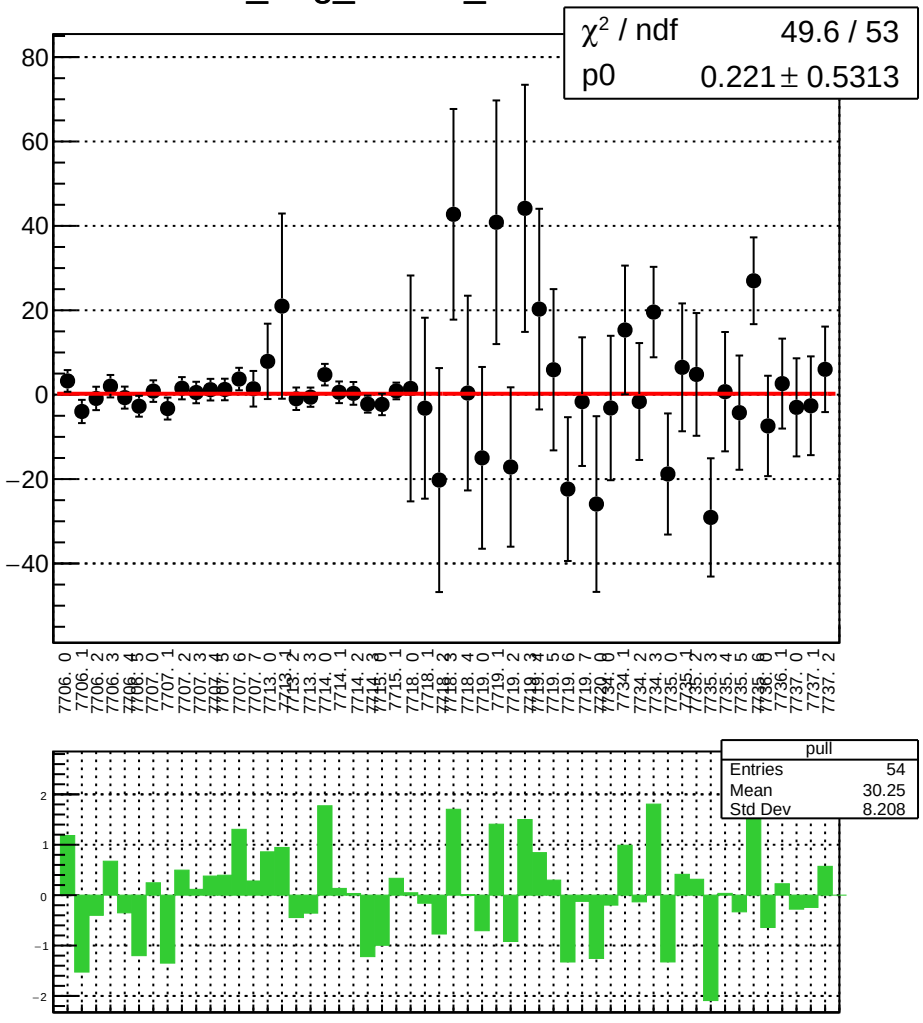

pull1D
Entries 54
Mean 0.02006
Std Dev 1

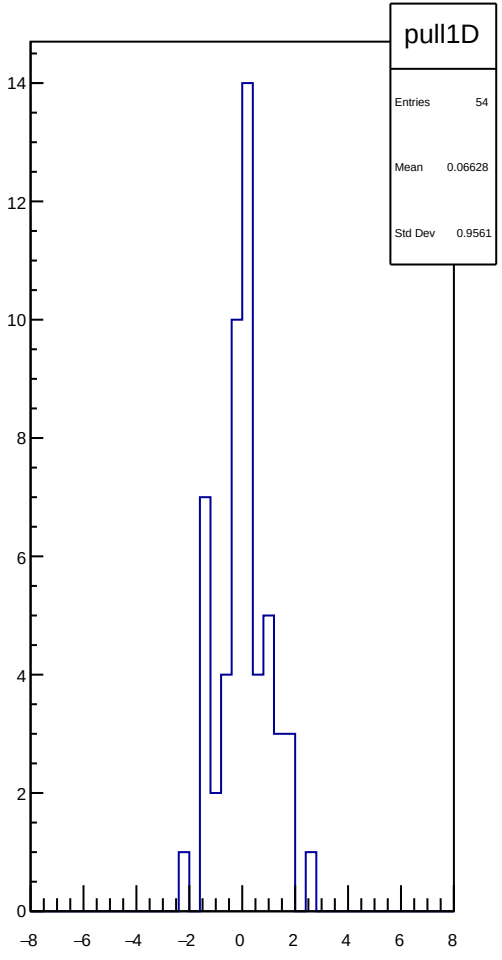

diff_targ_positionY_rms vs run
χ² / ndf 1.261e+05 / 53
p0 4718 ± 4.877
16000
14000
12000
10000
8000
6000
4000

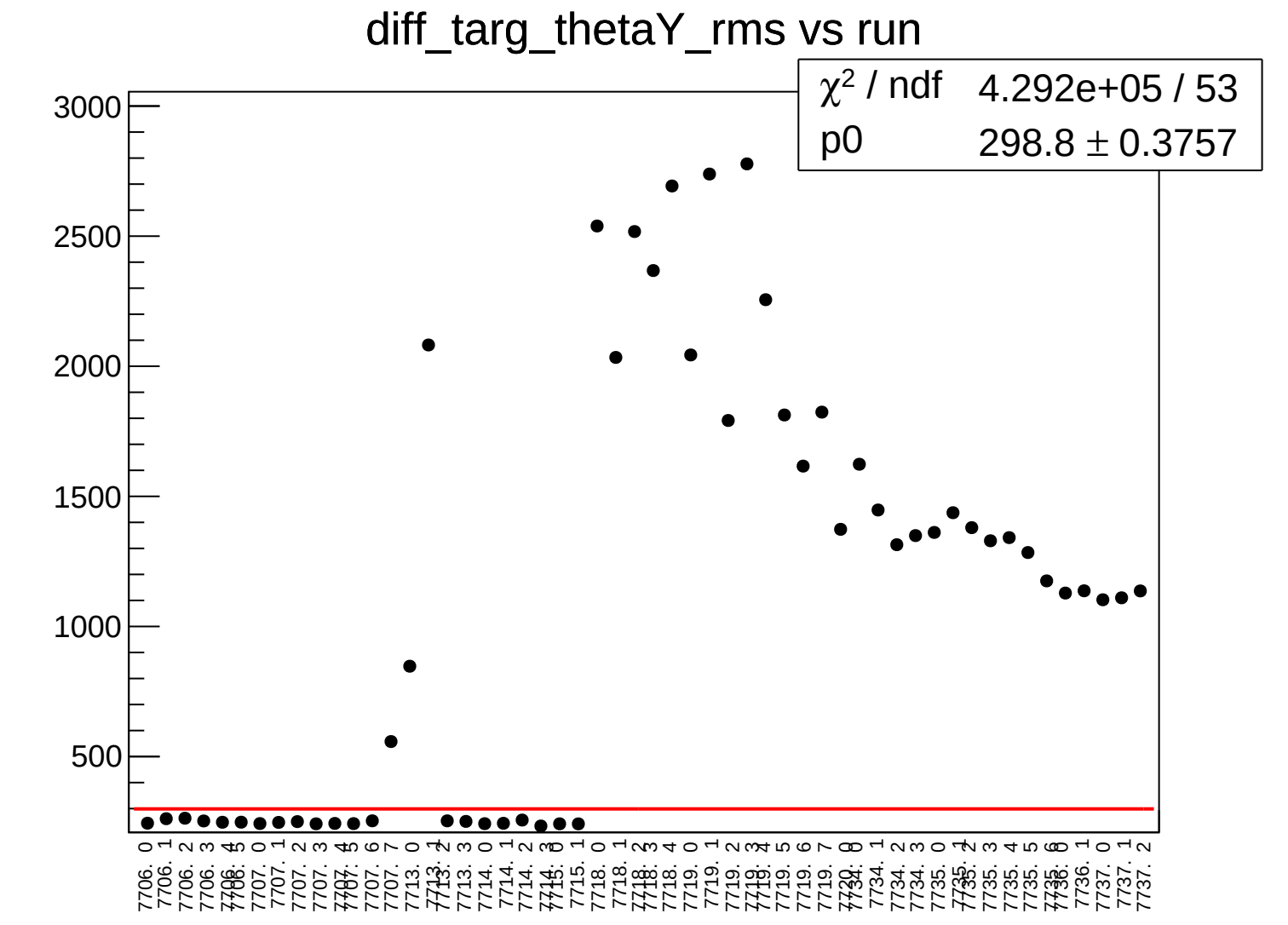

diff_targ_thetaX_mean vs run
χ² / ndf 32.9 / 53
p0 −1.125 ± 0.7353
pull
Entries 54
Mean 60.82
Std Dev 0

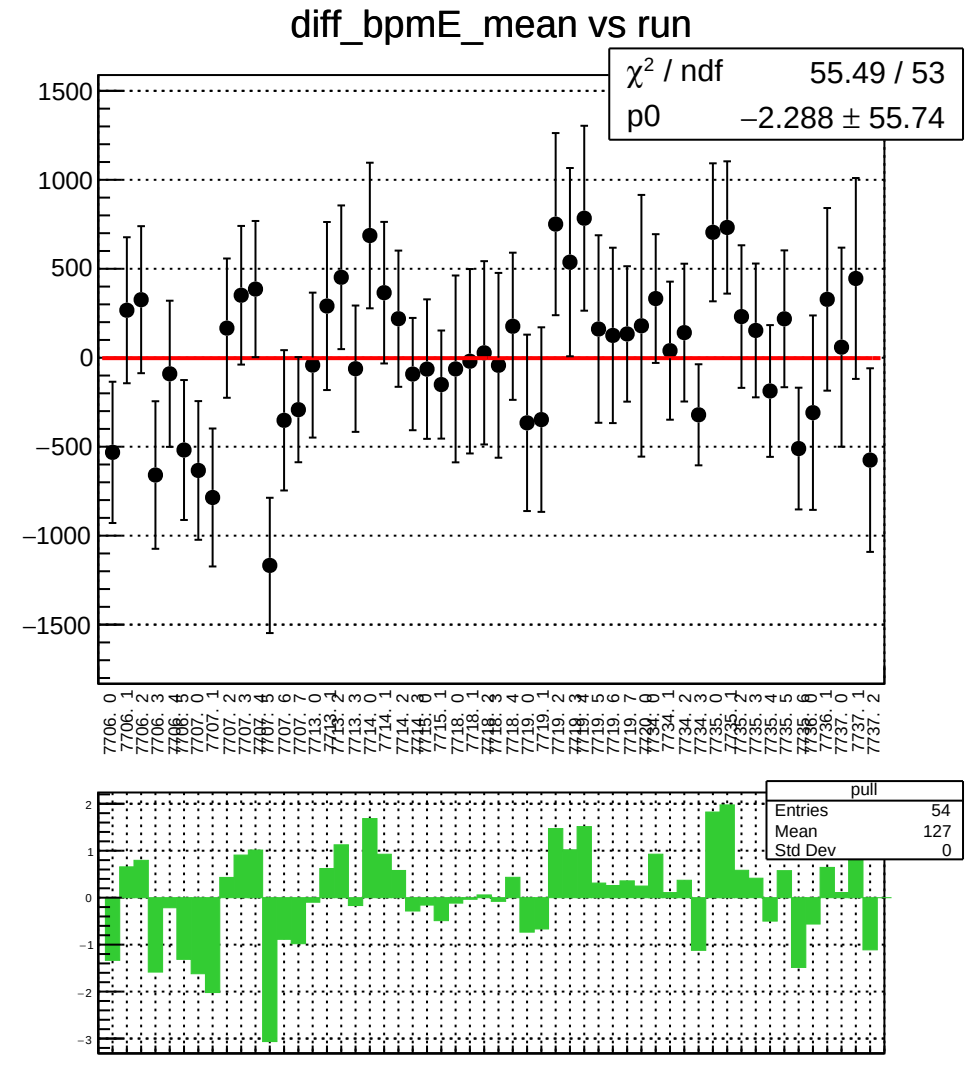

pull1D
Entries 54
Mean 0.02698
Std Dev 0.7801

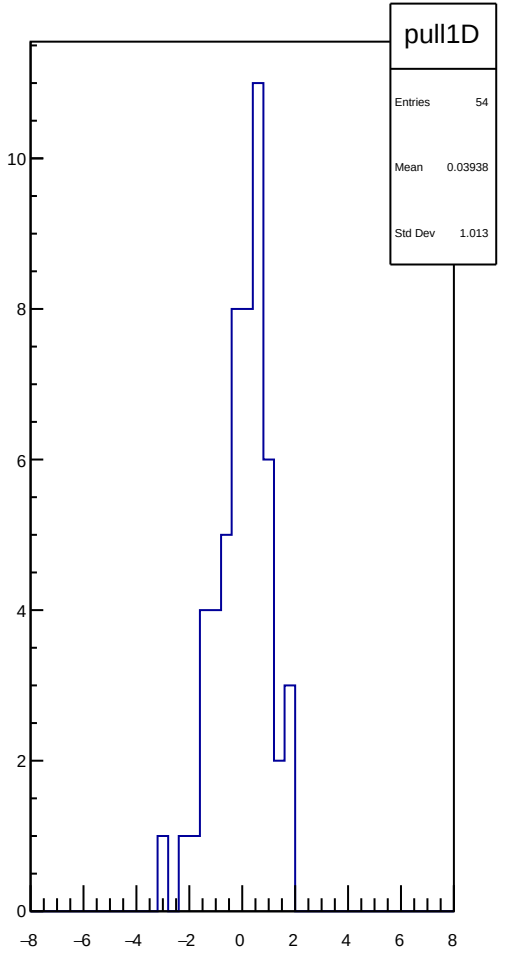

diff_targ_thetaX_rms vs run
χ² / ndf 2.199e+05 / 53
p0 477.1 ± 0.5199
2000
1800
1600
1400
1200
1000
800
600
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

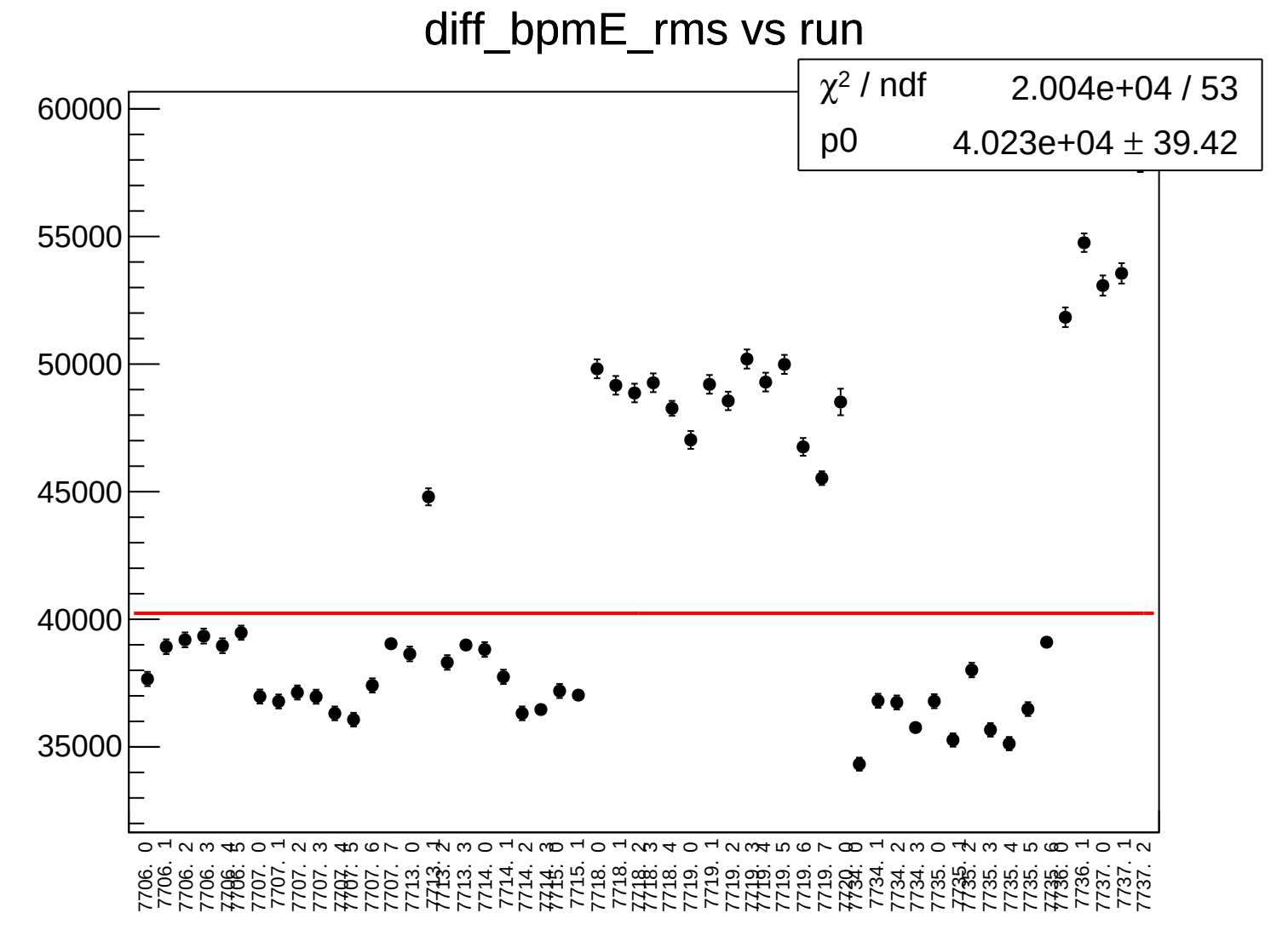

diff_targ_thetaY_mean vs run
χ² / ndf 49.6 / 53
p0 0.221 ± 0.5313
pull
Entries 54
Mean 30.25
Std Dev 8.208

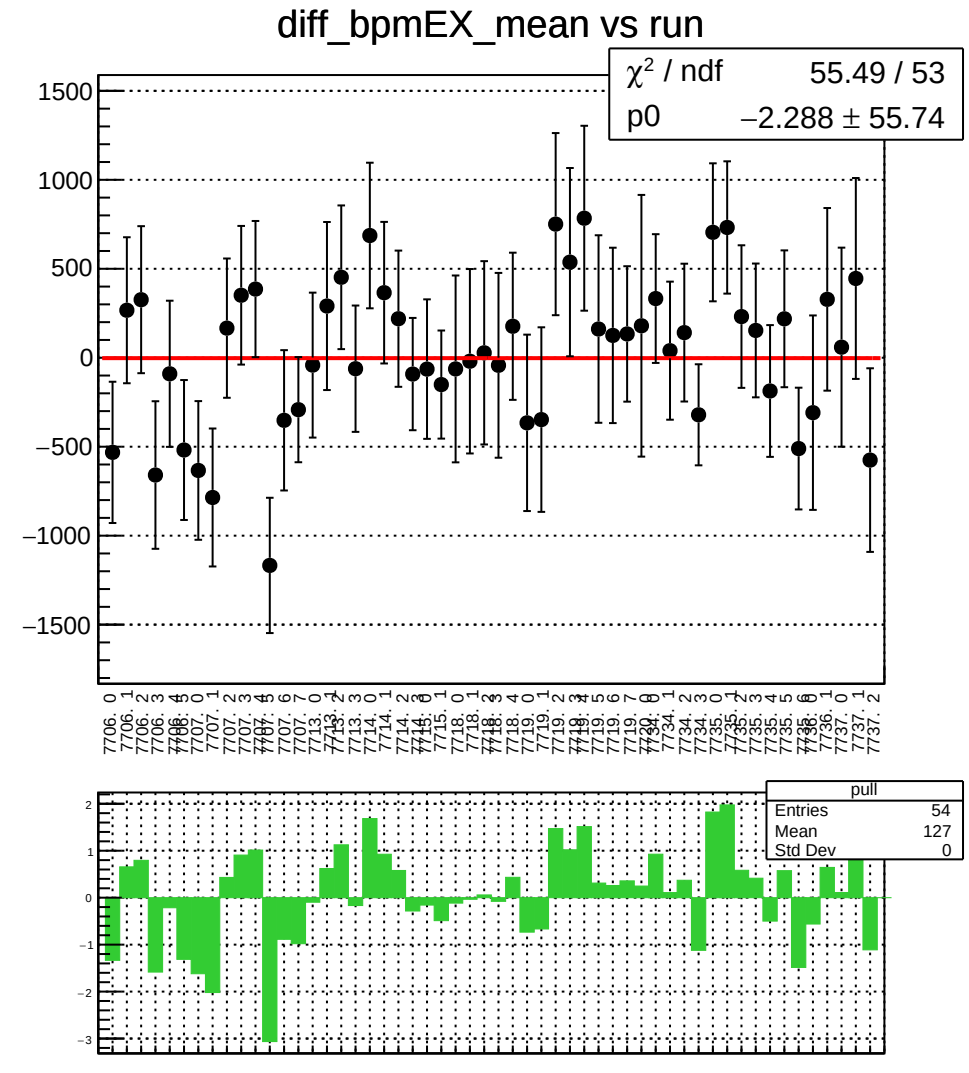

pull1D
Entries 54
Mean 0.06628
Std Dev 0.9561

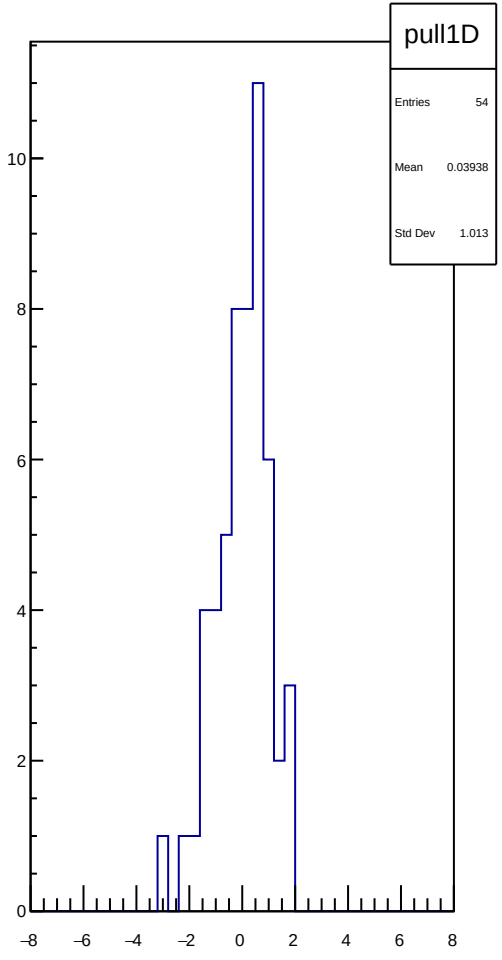

diff_targ_thetaY_rms vs run
χ² / ndf 4.292e+05 / 53
p0 298.8 ± 0.3757
3000
2500
2000
1500
1000
500

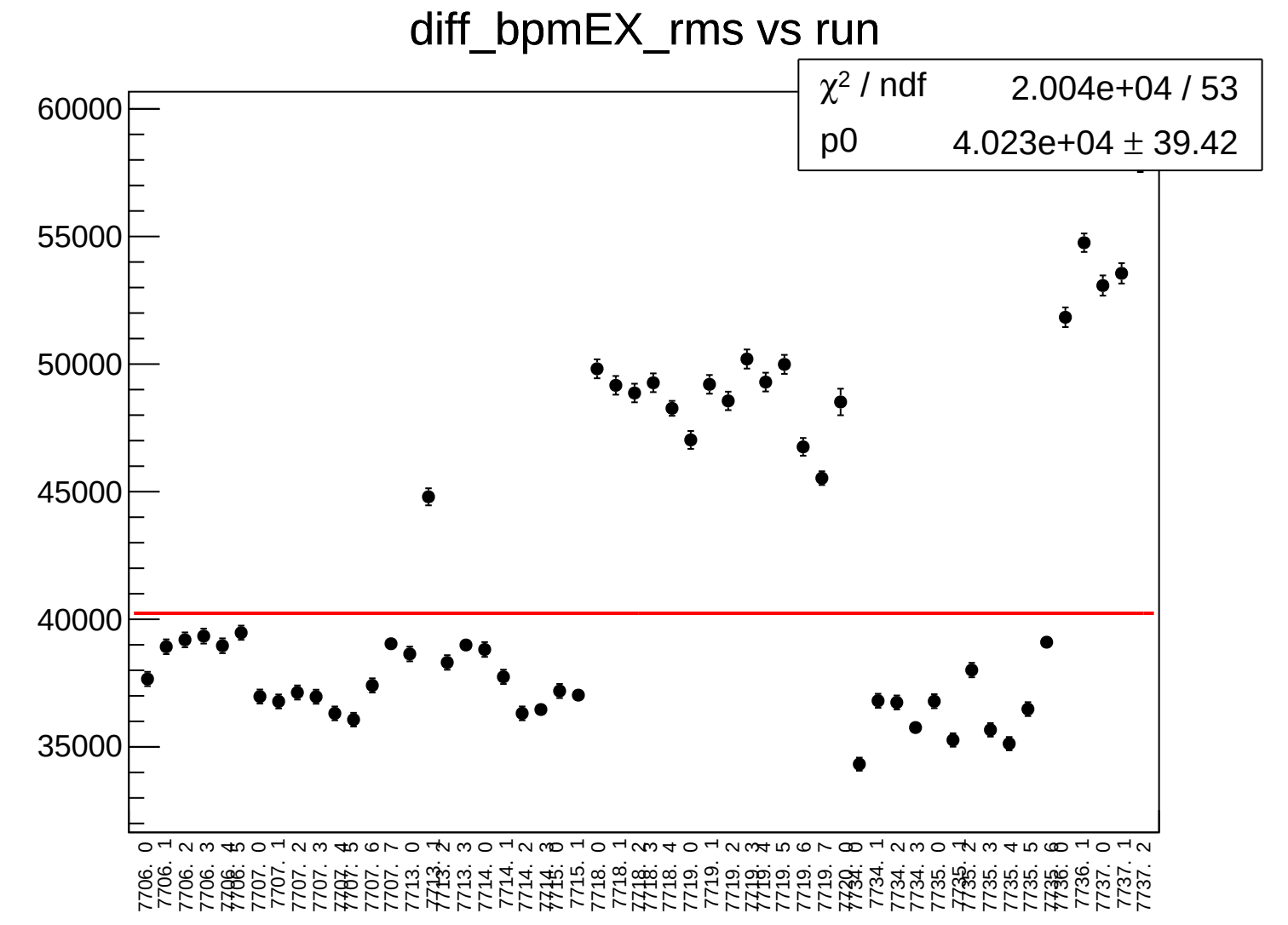

diff_bpmE_mean vs run
χ² / ndf 55.49 / 53
p0 −2.288 ± 55.74
1500
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean 127
Std Dev 0
2
1
0
−1
−2
−3

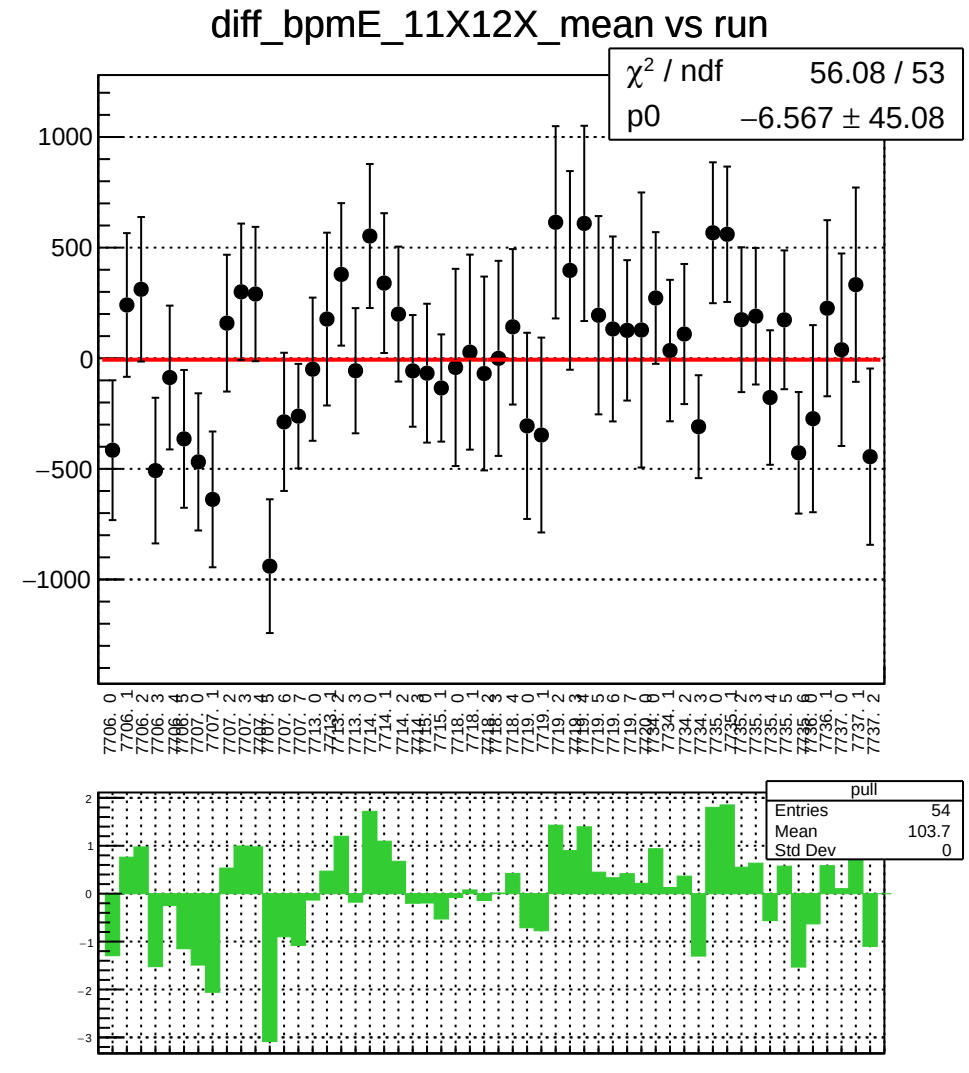

pull1D
Entries 54
Mean 0.03938
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

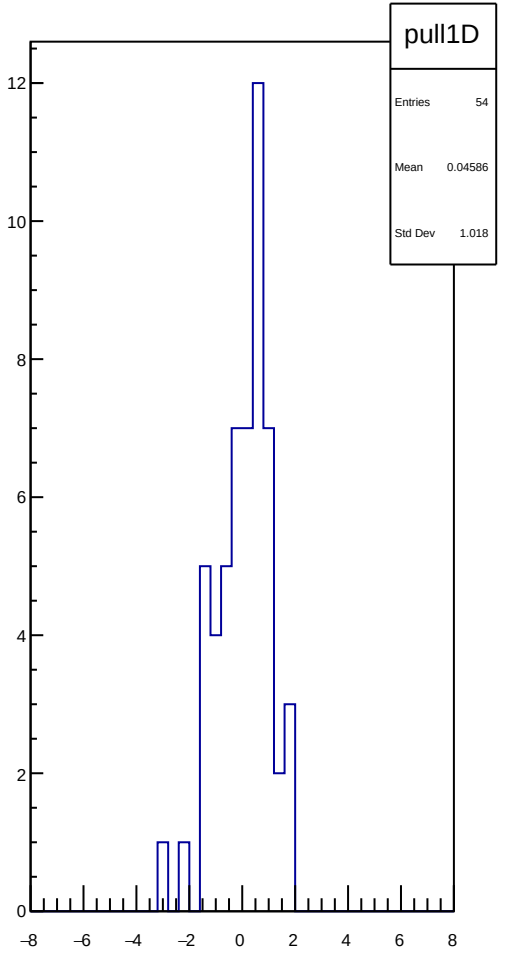

diff_bpmE_rms vs run
χ² / ndf 2.004e+04 / 53
p0 4.023e+04 ± 39.42
60000
55000
50000
45000
40000
35000

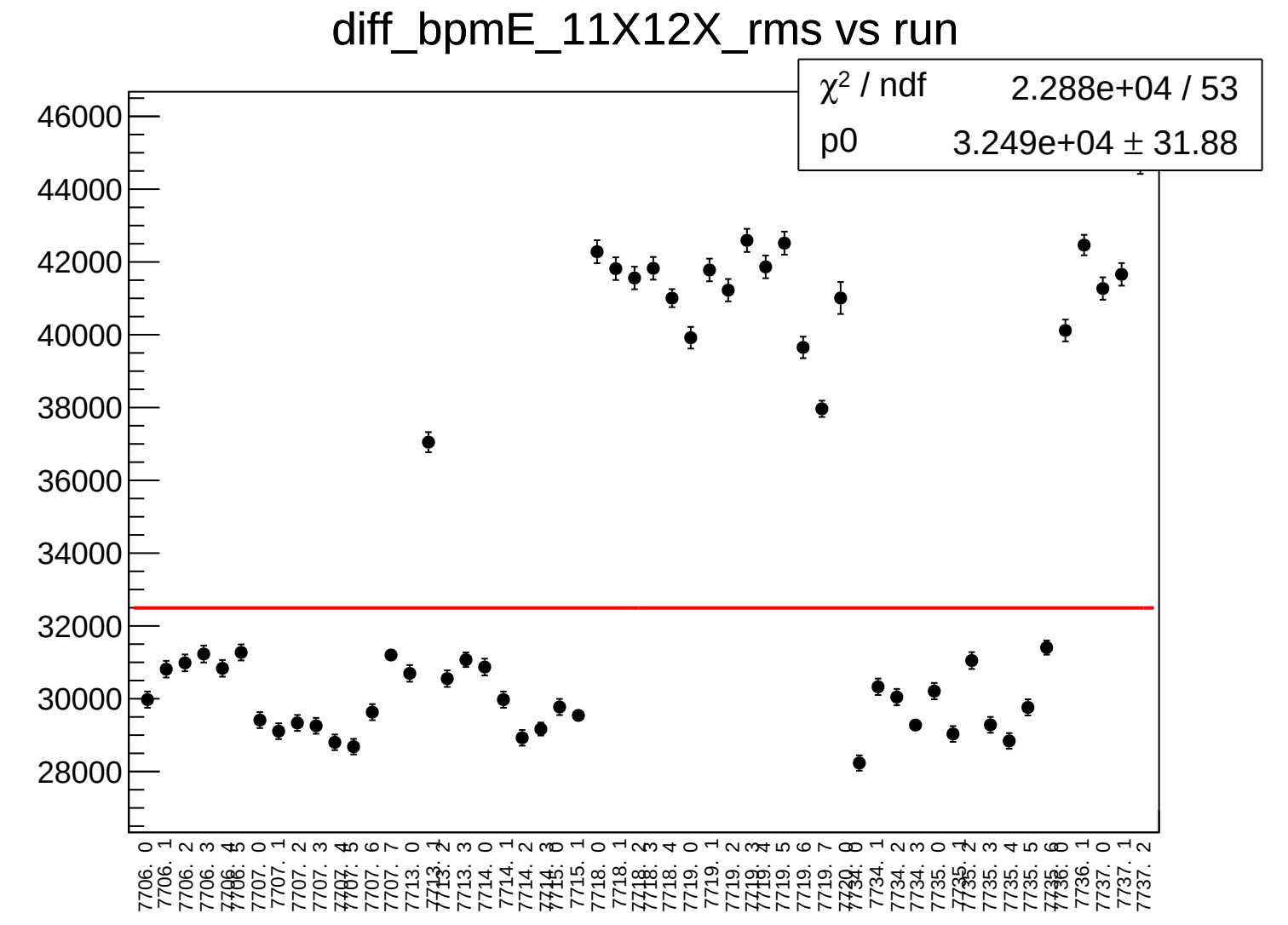

diff_bpmEX_mean vs run
χ² / ndf 55.49 / 53
p0 −2.288 ± 55.74
1500
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean 127
Std Dev 0
2
1
0
−1
−2
−3

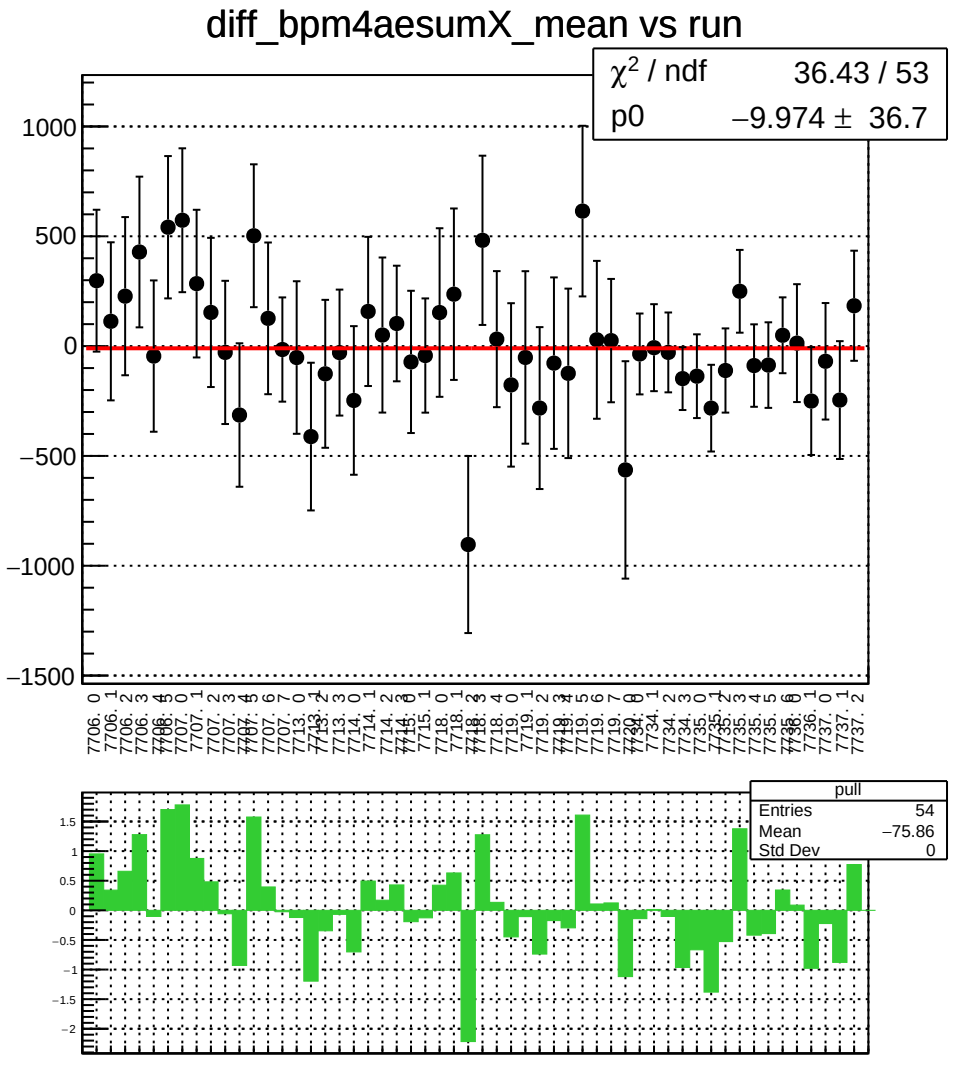

pull1D
Entries 54
Mean 0.03938
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

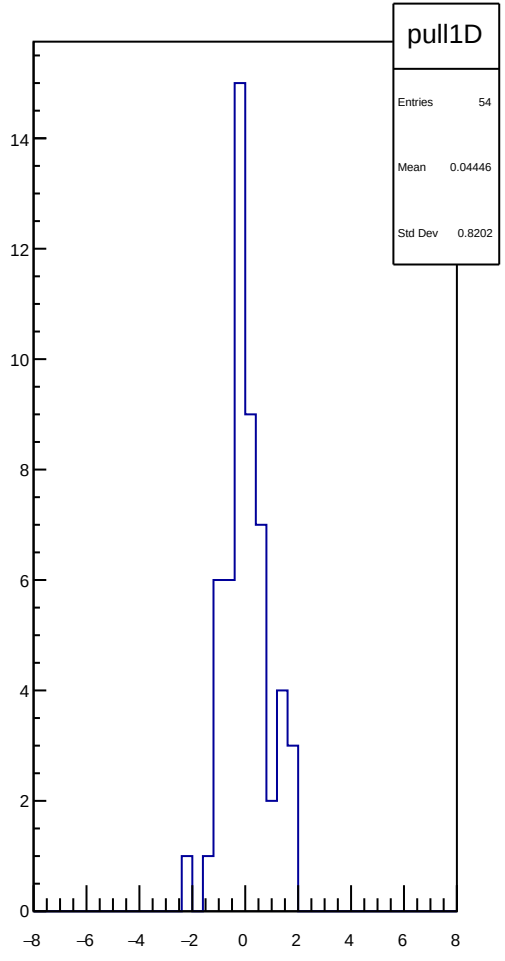

diff_bpmEX_rms vs run
χ² / ndf 2.004e+04 / 53
p0 4.023e+04 ± 39.42
60000
55000
50000
45000
40000
35000

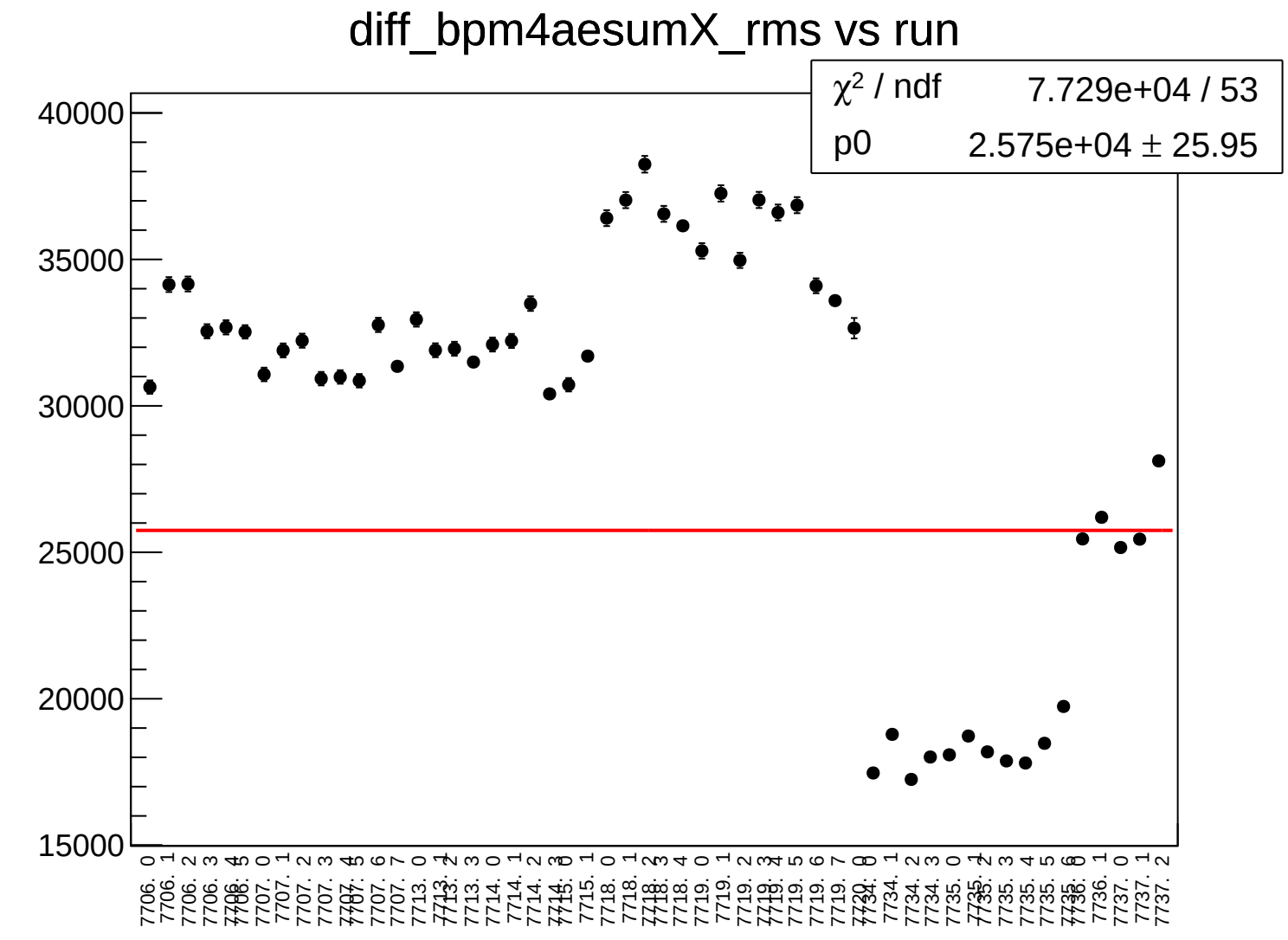

diff_bpmE_11X12X_mean vs run
χ² / ndf 56.08 / 53
p0 −6.567 ± 45.08
1000
500
0
−500
−1000
pull
Entries 54
Mean 103.7
Std Dev 0
2
1
0
−1
−2
−3

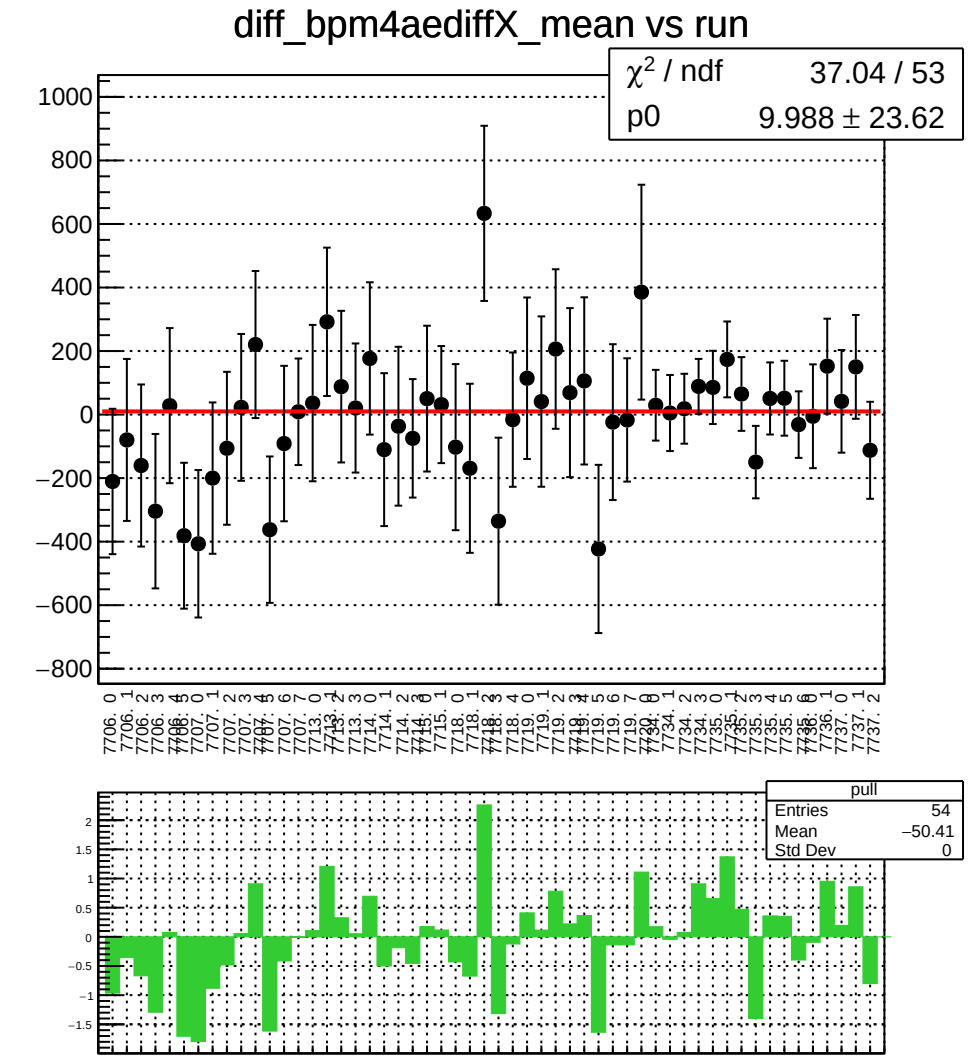

pull1D
Entries 54
Mean 0.04586
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

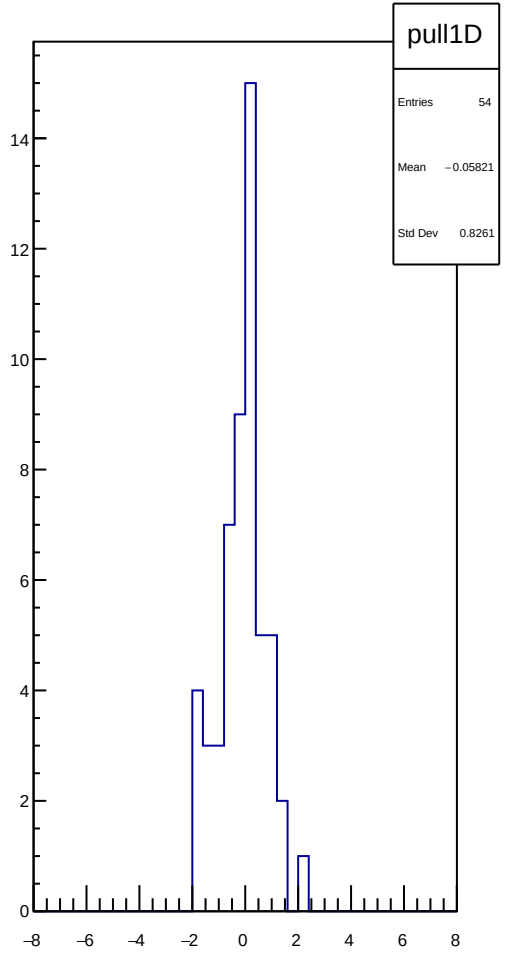

diff_bpmE_11X12X_rms vs run
χ² / ndf 2.288e+04 / 53
p0 3.249e+04 ± 31.88
46000
44000
42000
40000
38000
36000
34000
32000
30000
28000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

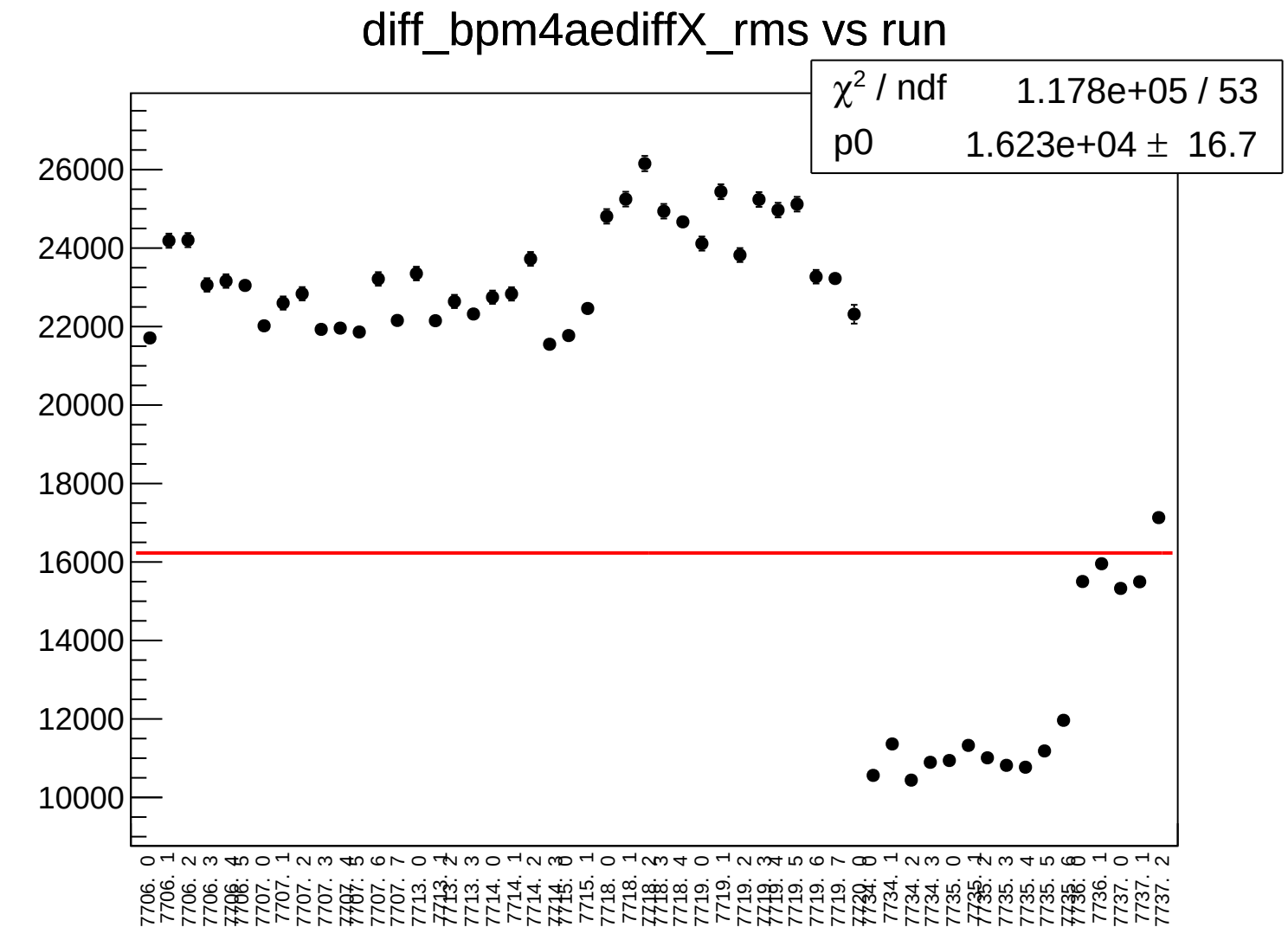

diff_bpm4aesumX_mean vs run
χ² / ndf 36.43 / 53
p0 −9.974 ± 36.7
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean −75.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

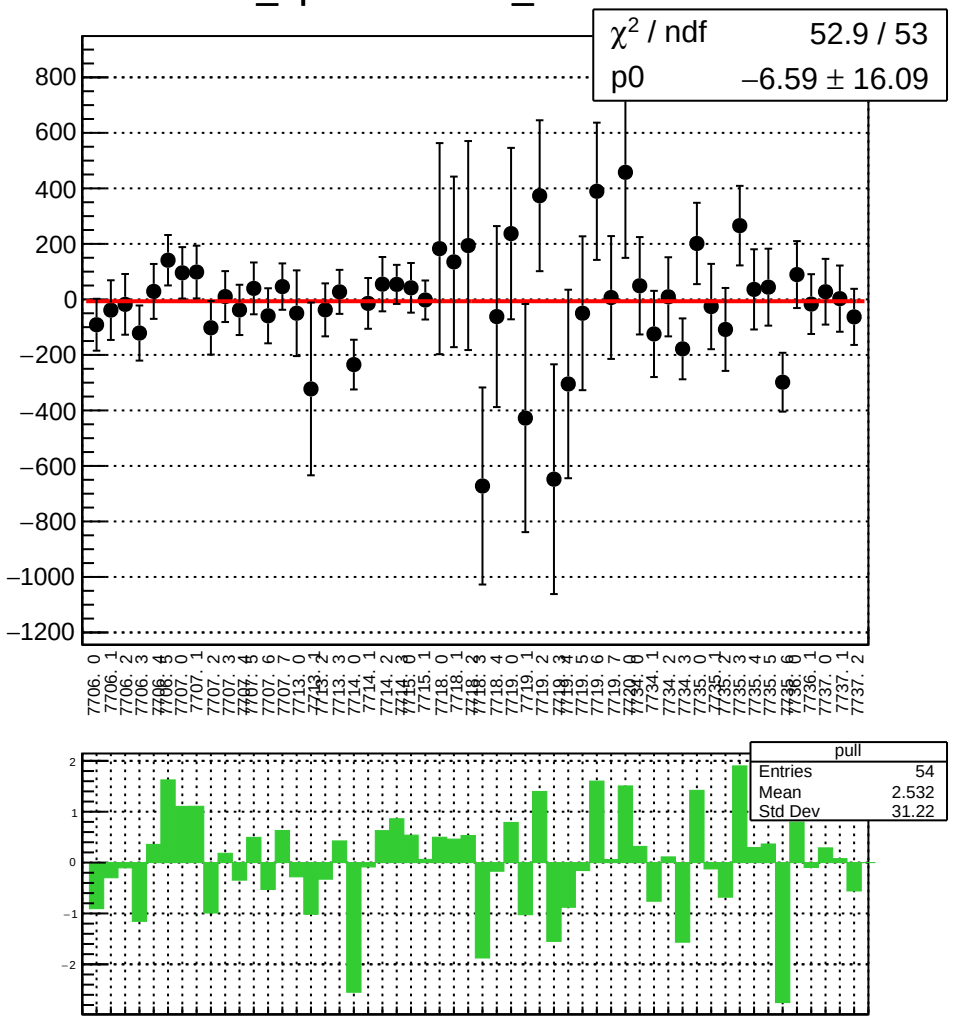

pull1D
Entries 54
Mean 0.04446
Std Dev 0.8202
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

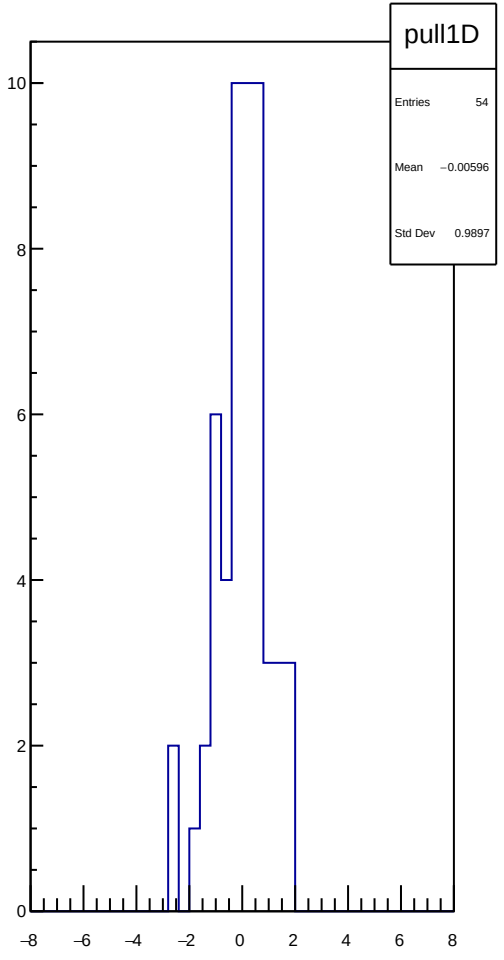

diff_bpm4aesumX_rms vs run
χ² / ndf 7.729e+04 / 53
p0 2.575e+04 ± 25.95
40000
35000
30000
25000
20000
15000

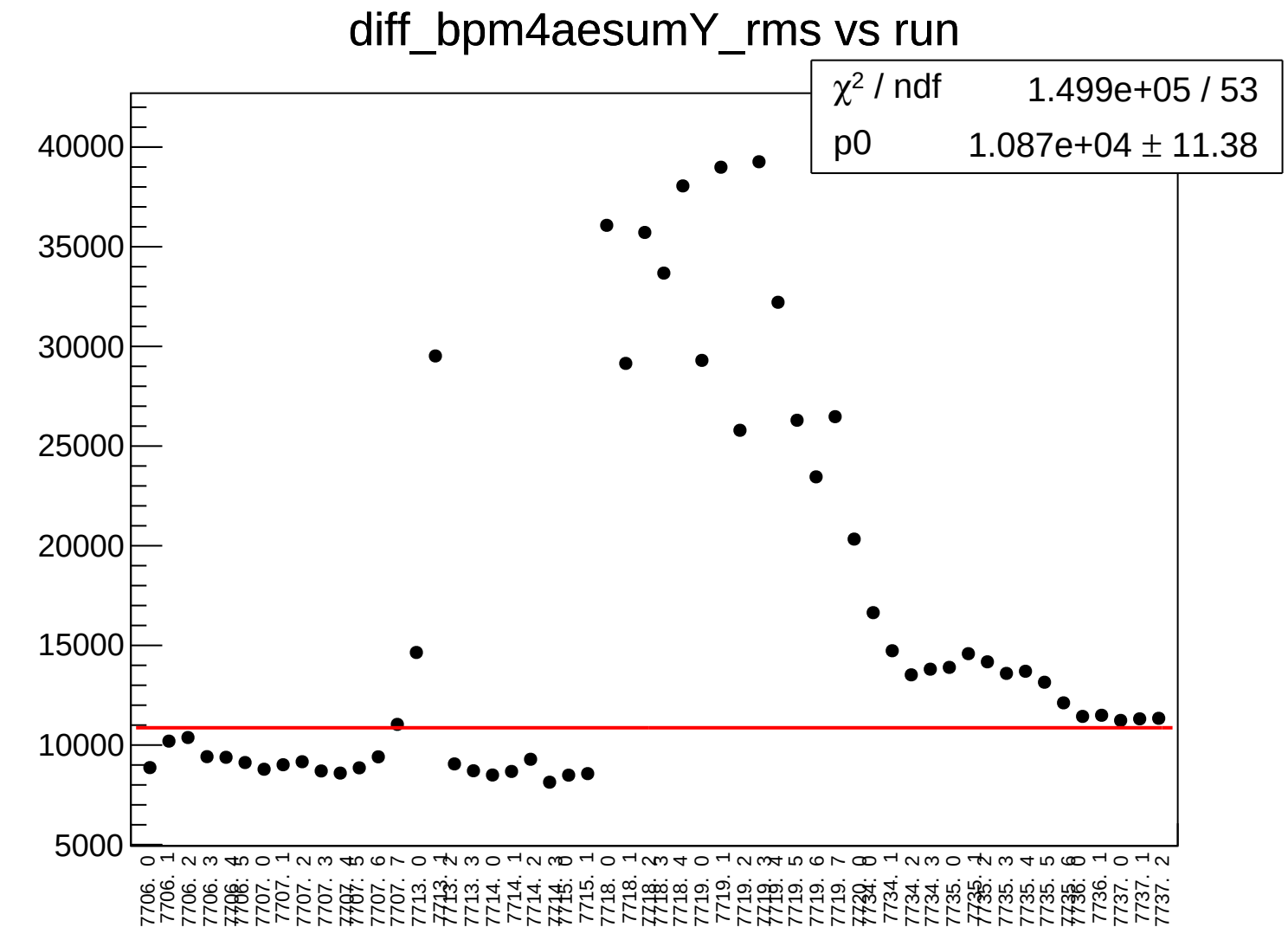

diff_bpm4aediffX_mean vs run
χ² / ndf 37.04 / 53
p0 9.988 ± 23.62
pull
Entries 54
Mean −50.41
Std Dev 0

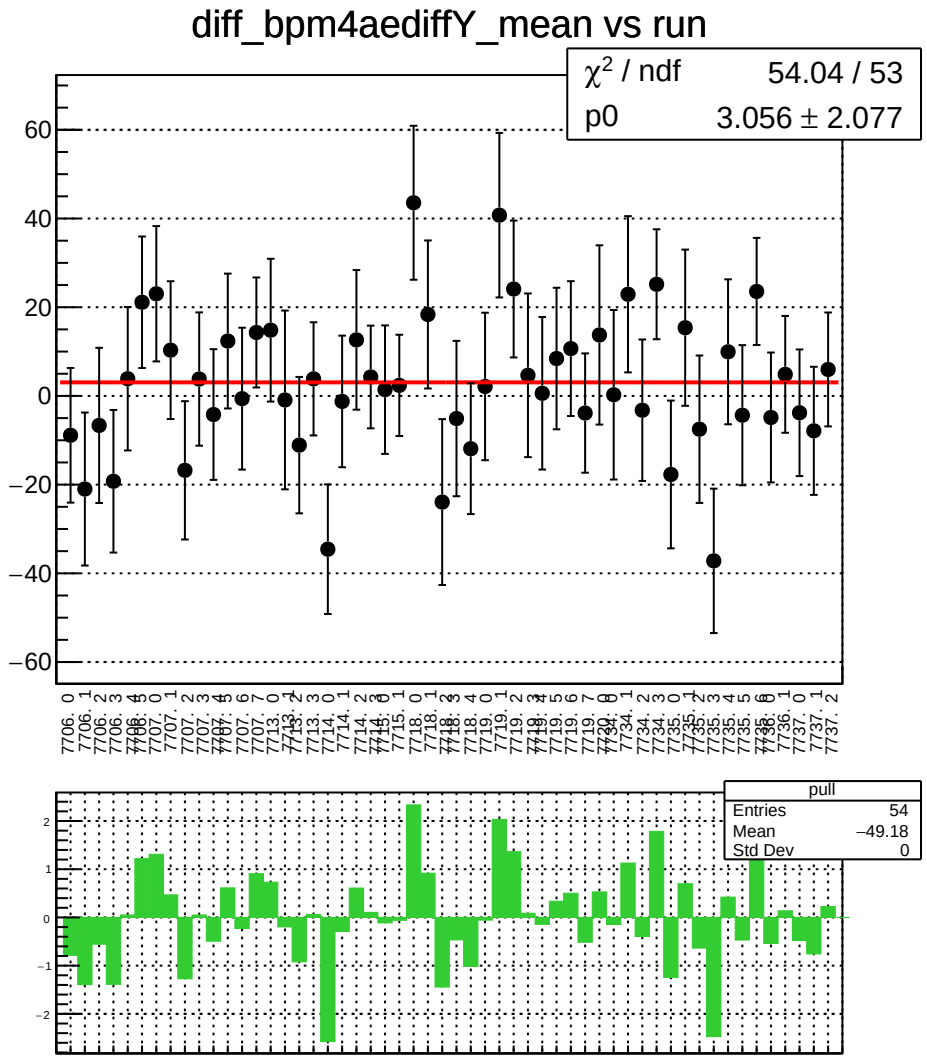

pull1D
Entries 54
Mean −0.05821
Std Dev 0.8261

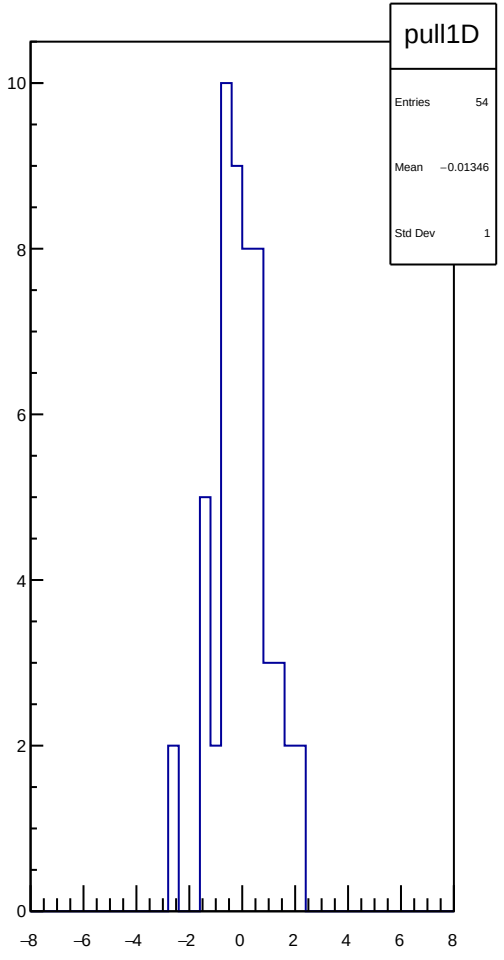

diff_bpm4aediffX_rms vs run
χ² / ndf 1.178e+05 / 53
p0 1.623e+04 ± 16.7
26000
24000
22000
20000
18000
16000
14000
12000
10000

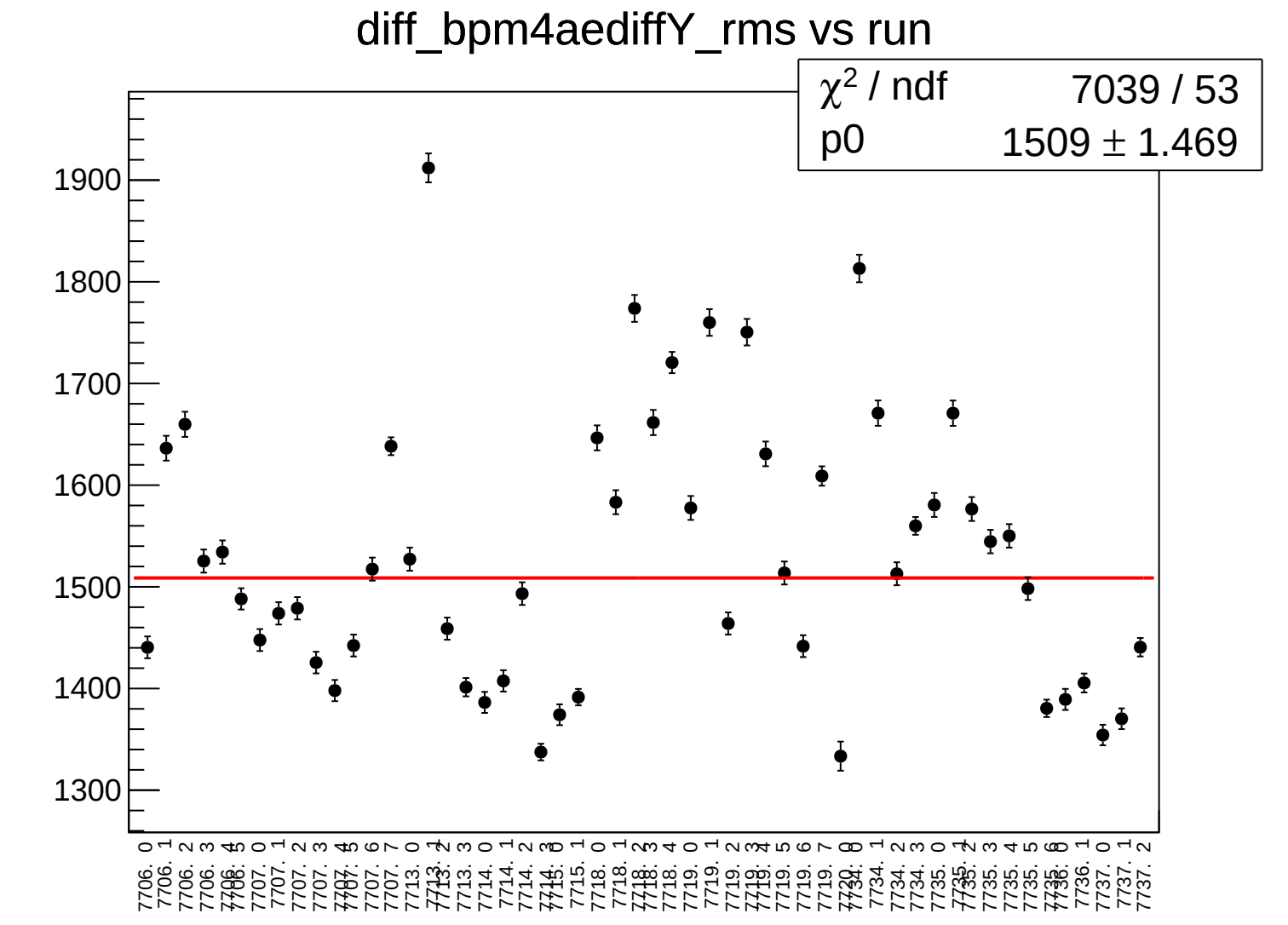

diff_bpm4aesumY_mean vs run
χ^2 / ndf 52.9 / 53
p0 −6.59 ± 16.09
pull
Entries 54
Mean 2.532
Std Dev 31.22

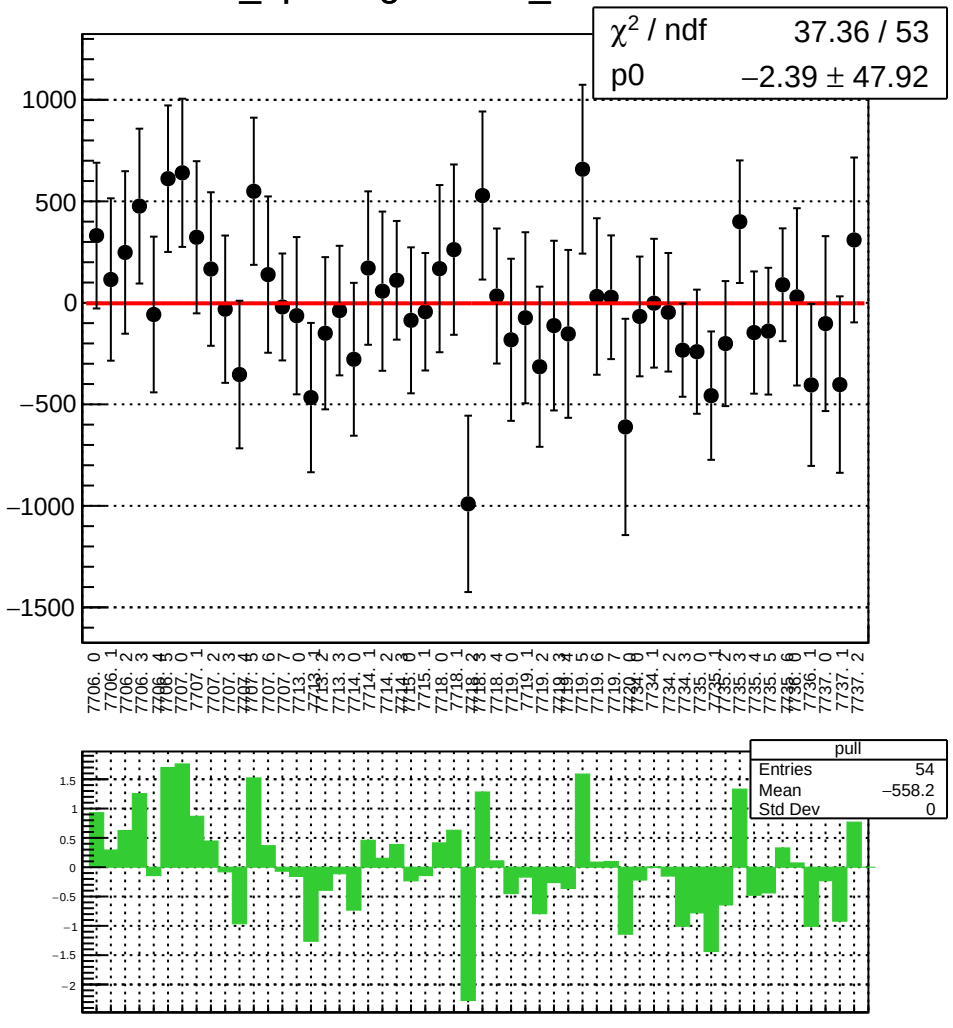

pull1D
Entries 54
Mean −0.00596
Std Dev 0.9897

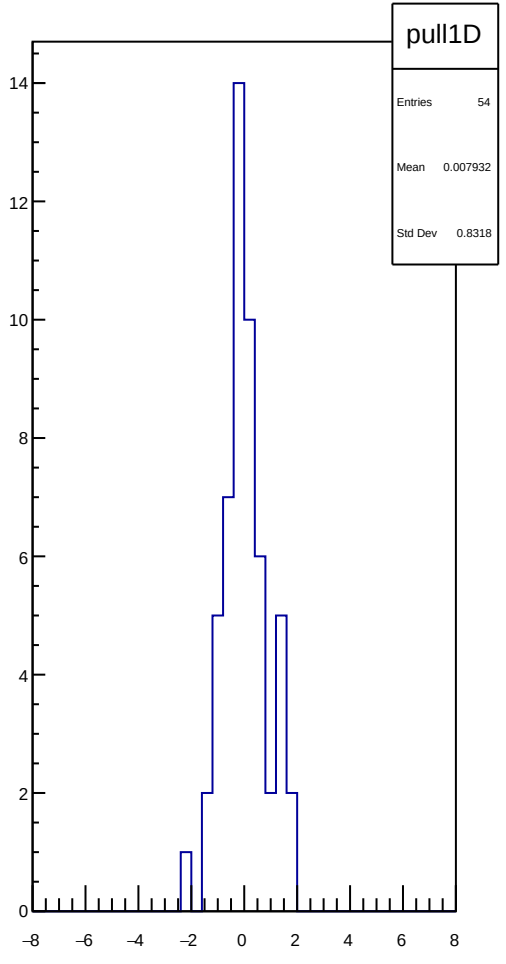

diff_bpm4aesumY_rms vs run
χ² / ndf 1.499e+05 / 53
p0 1.087e+04 ± 11.38
40000
35000
30000
25000
20000
15000
10000
5000

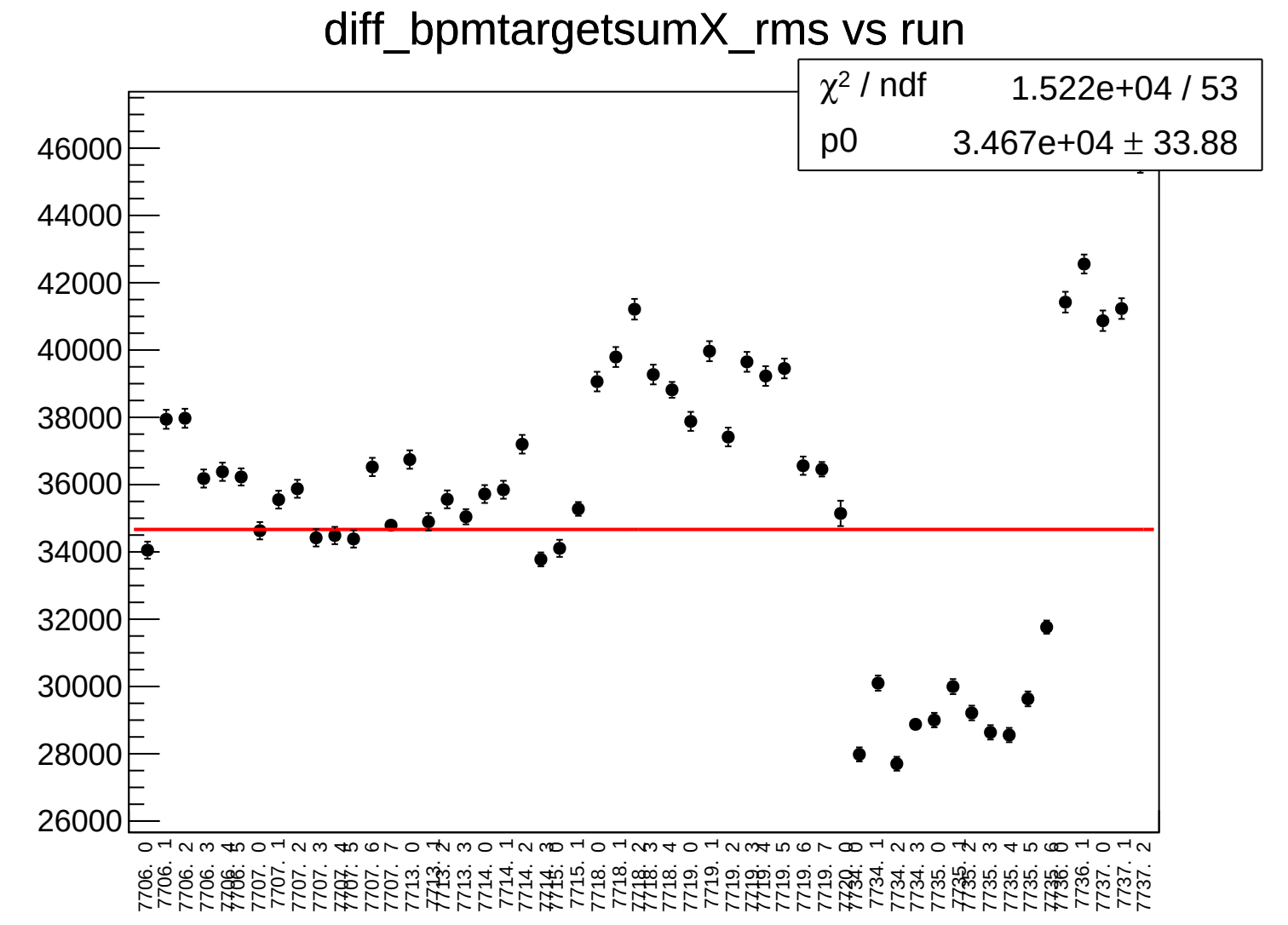

diff_bpm4aediffY_mean vs run
χ² / ndf 54.04 / 53
p0 3.056 ± 2.077
pull
Entries 54
Mean −49.18
Std Dev 0

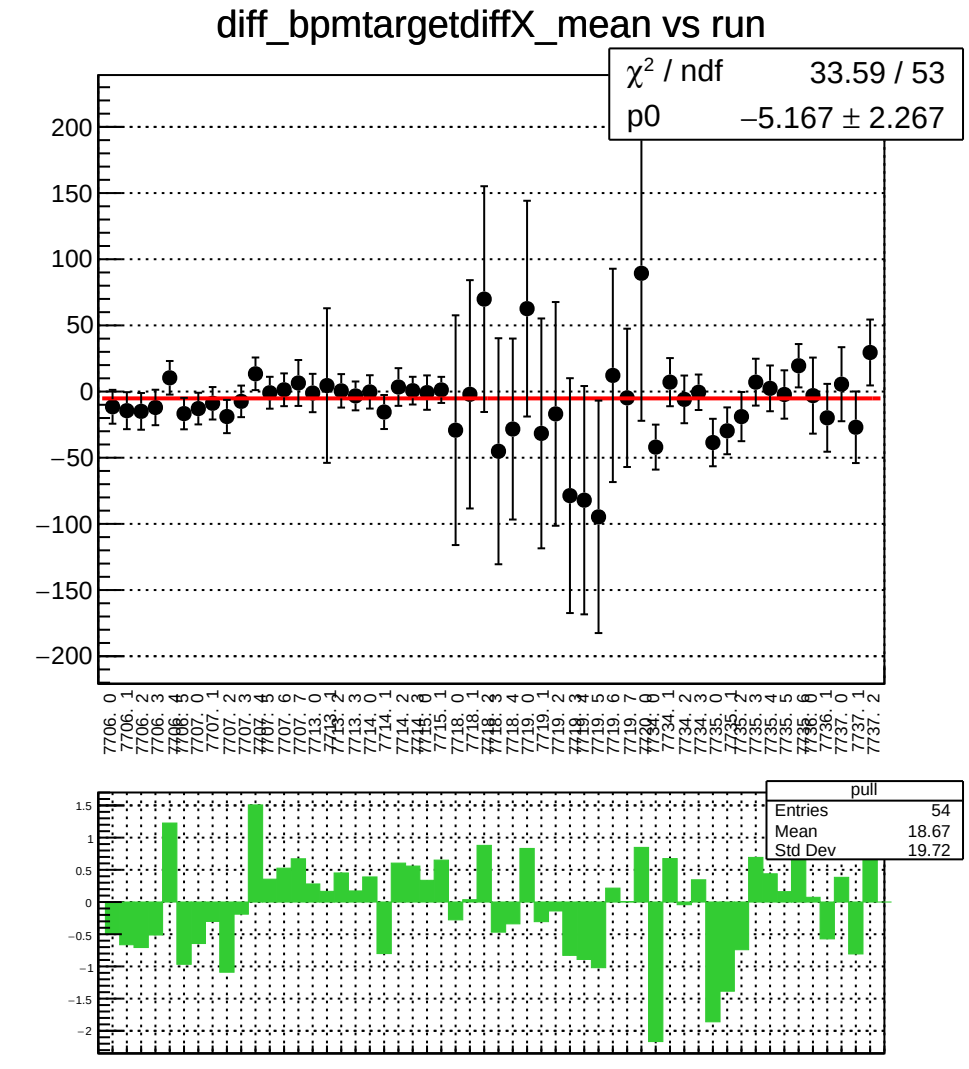

pull1D
Entries 54
Mean −0.01346
Std Dev 1

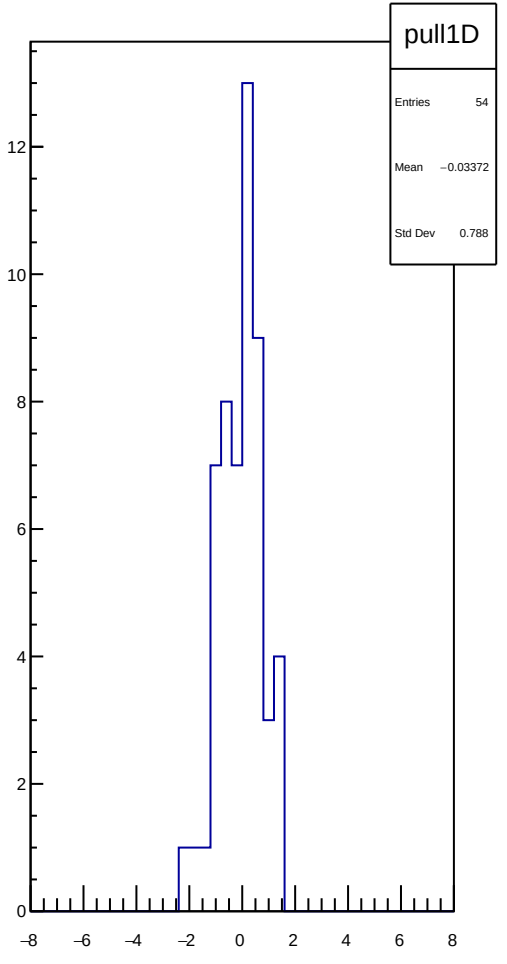

diff_bpm4aediffY_rms vs run
χ² / ndf 7039 / 53
p0 1509 ± 1.469
1900
1800
1700
1600
1500
1400
1300

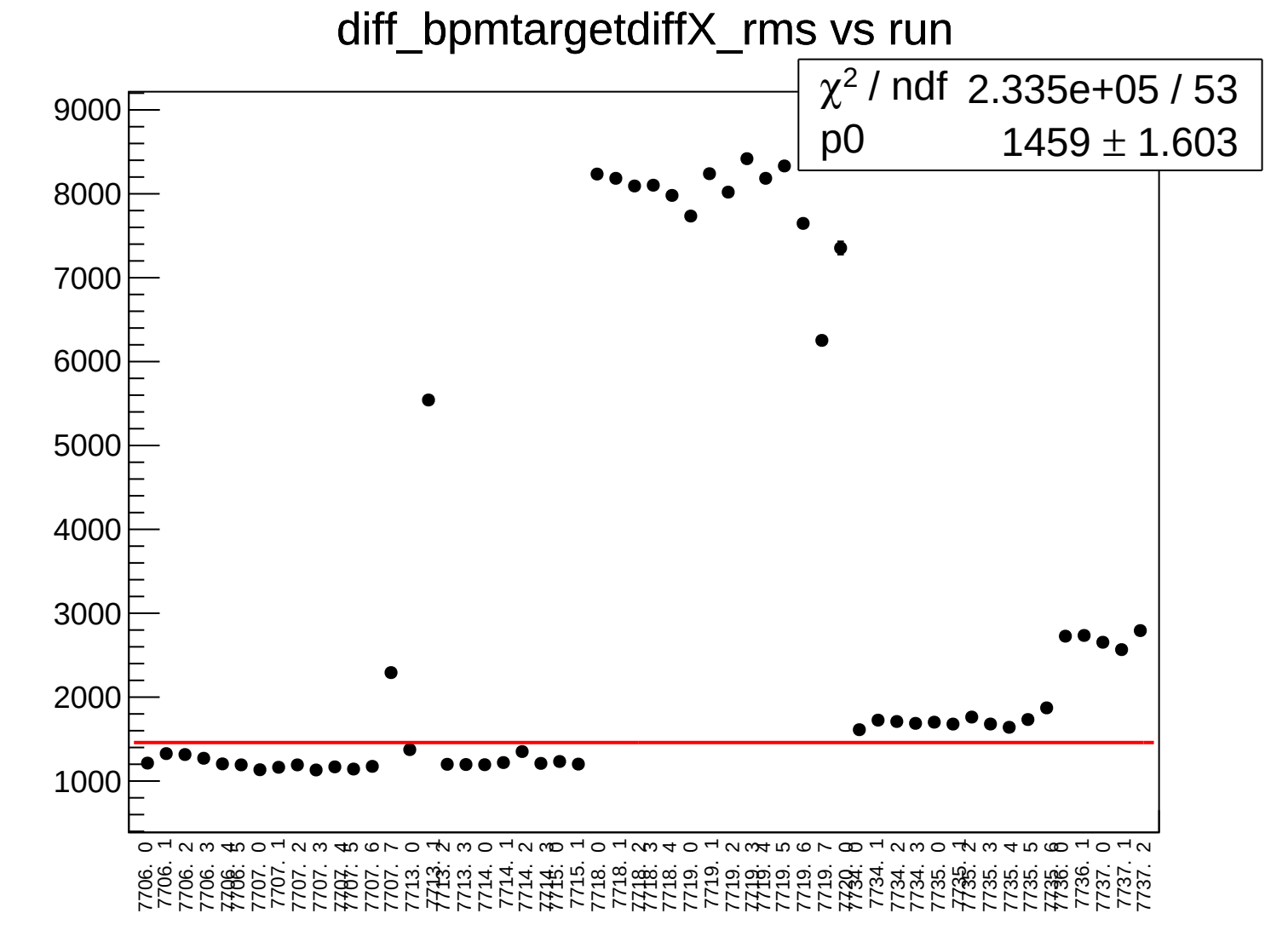

diff_bpmtargetsumX_mean vs run
χ² / ndf 37.36 / 53
p0 −2.39 ± 47.92
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean −558.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

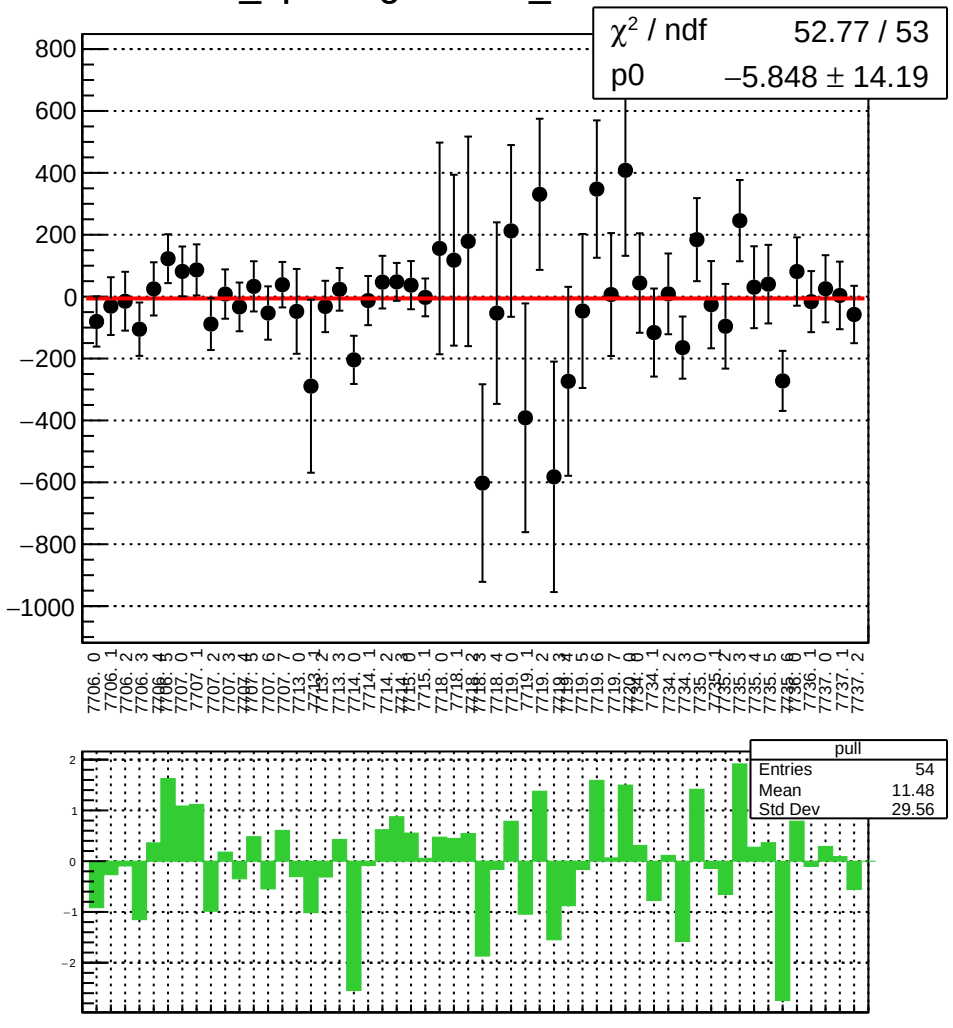

pull1D
Entries 54
Mean 0.007932
Std Dev 0.8318
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

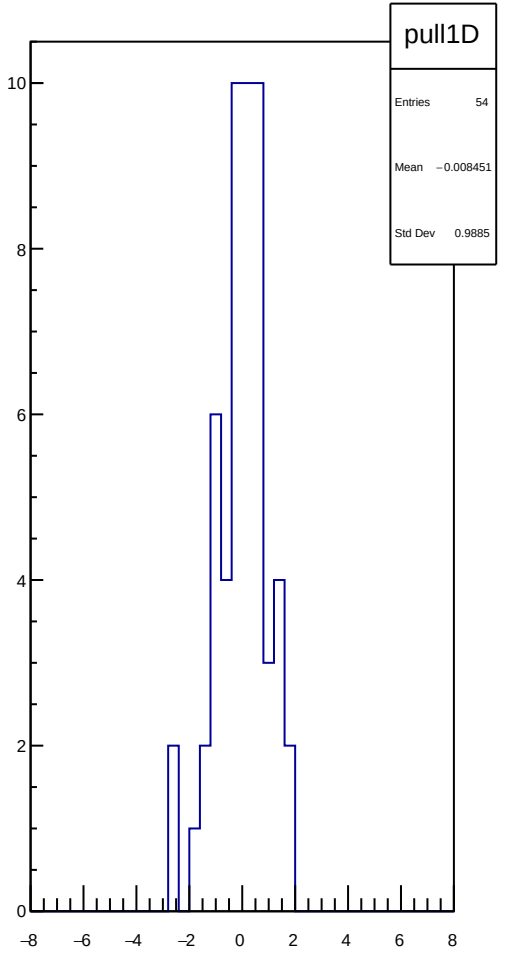

diff_bpmtargetsumX_rms vs run
χ² / ndf 1.522e+04 / 53
p0 3.467e+04 ± 33.88
46000
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

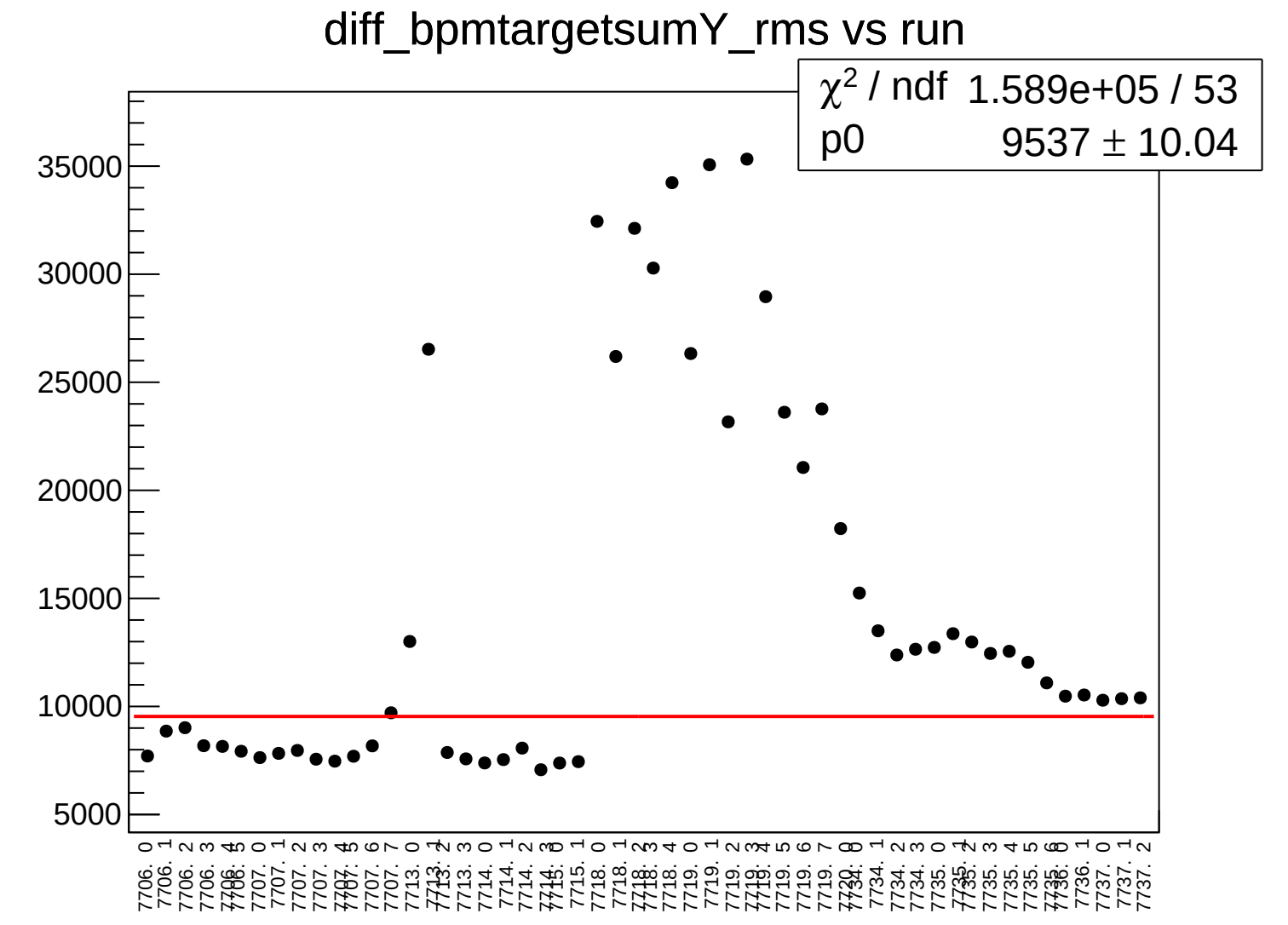

diff_bpmtargetdiffX_mean vs run
χ² / ndf 33.59 / 53
p0 −5.167 ± 2.267
pull
Entries 54
Mean 18.67
Std Dev 19.72

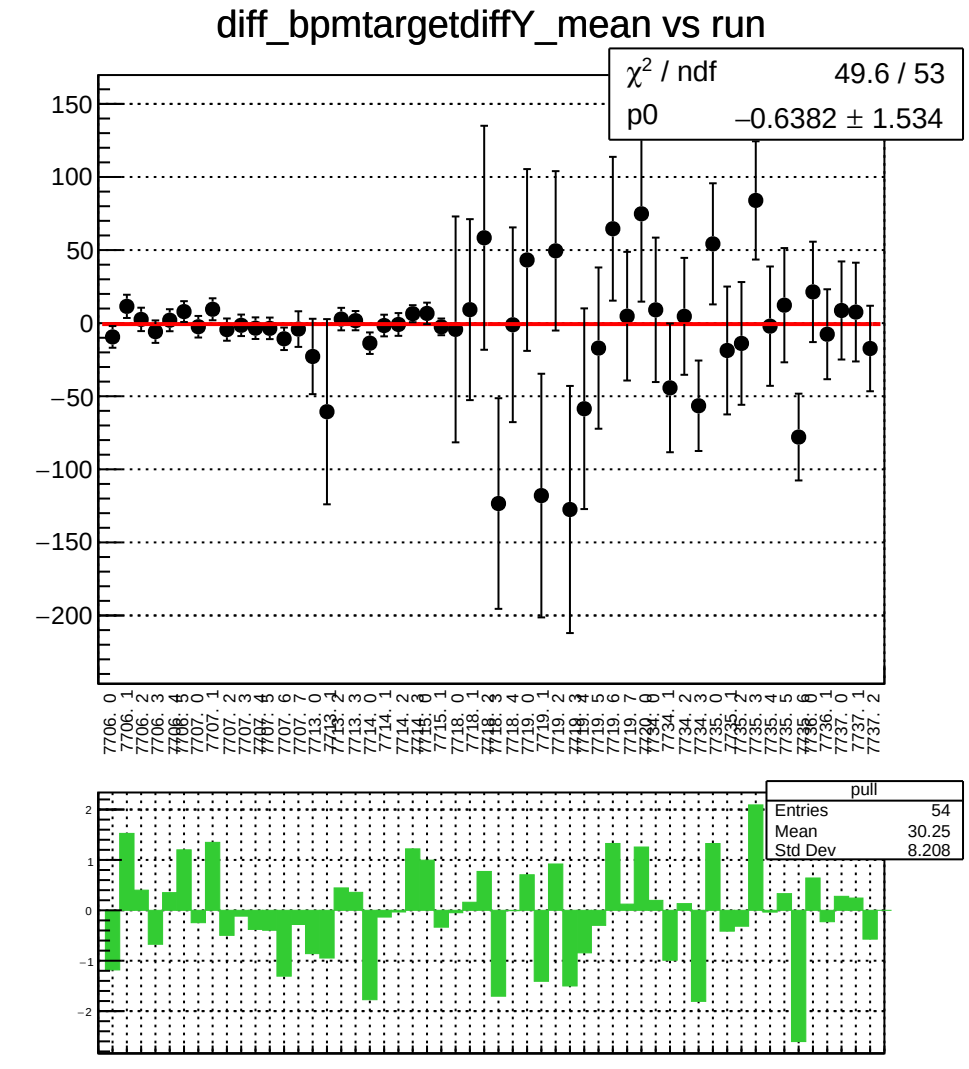

pull1D
Entries 54
Mean −0.03372
Std Dev 0.788

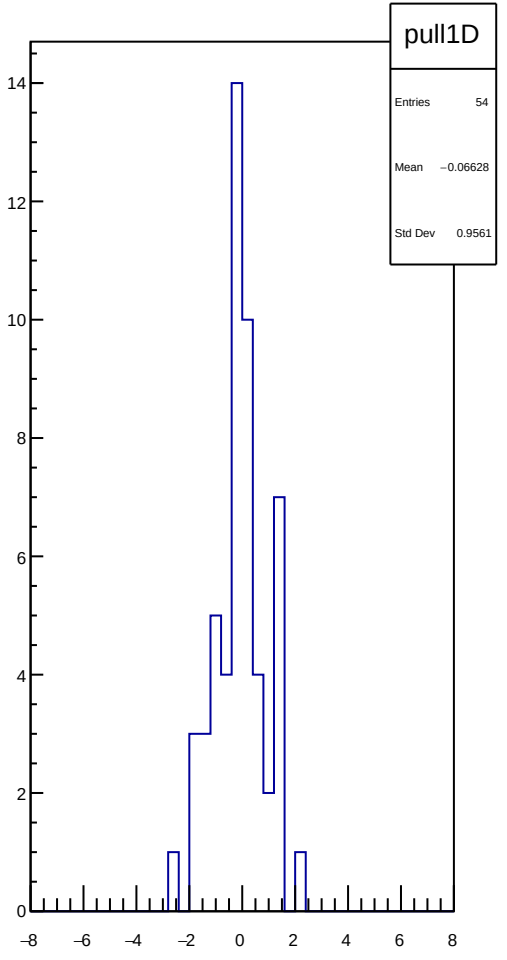

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2.335e+05 / 53
p0 1459 ± 1.603
9000
8000
7000
6000
5000
4000
3000
2000
1000

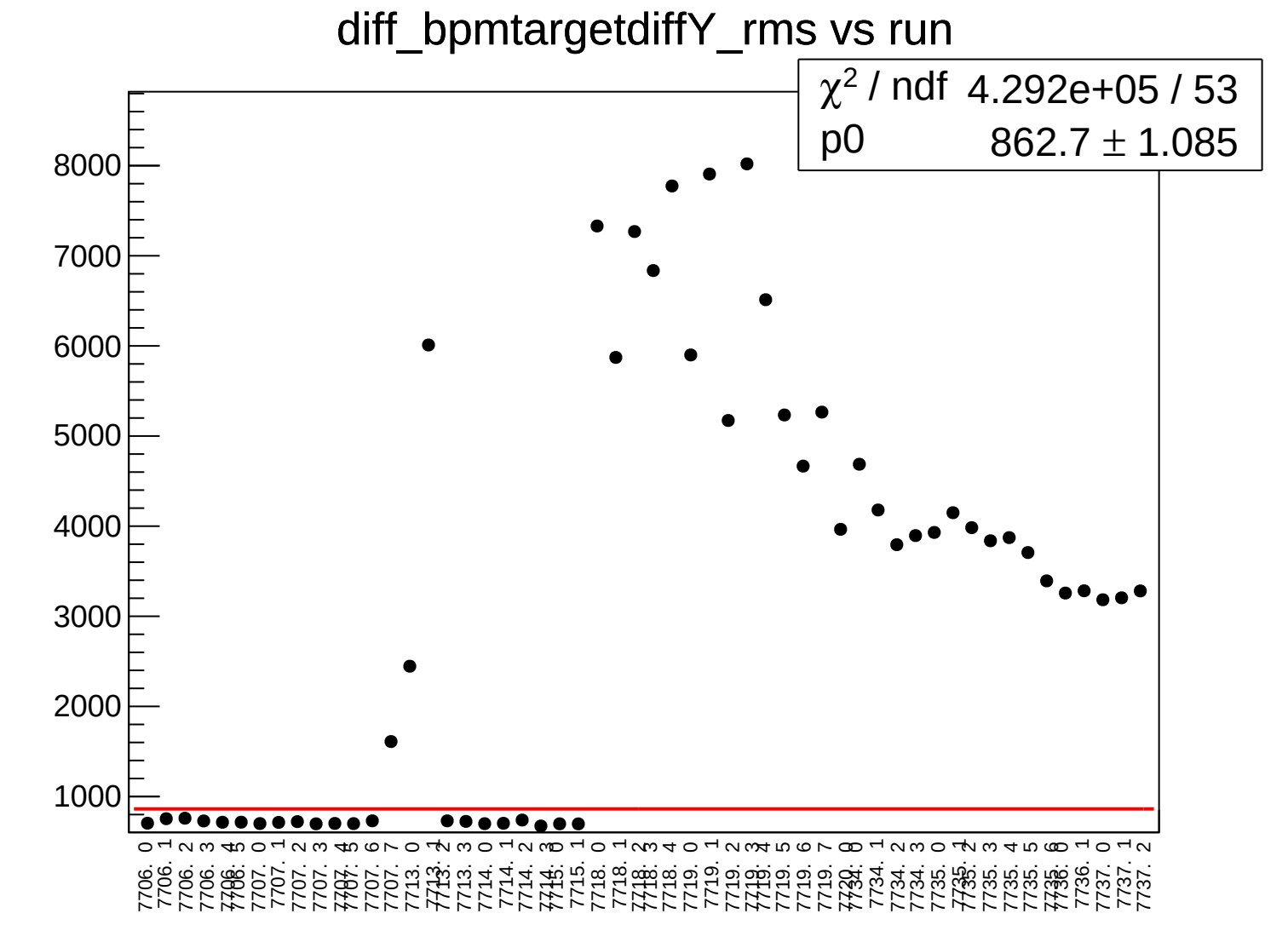

diff_bpmtargetsumY_mean vs run
χ² / ndf 52.77 / 53
p0 −5.848 ± 14.19
pull
Entries 54
Mean 11.48
Std Dev 29.56

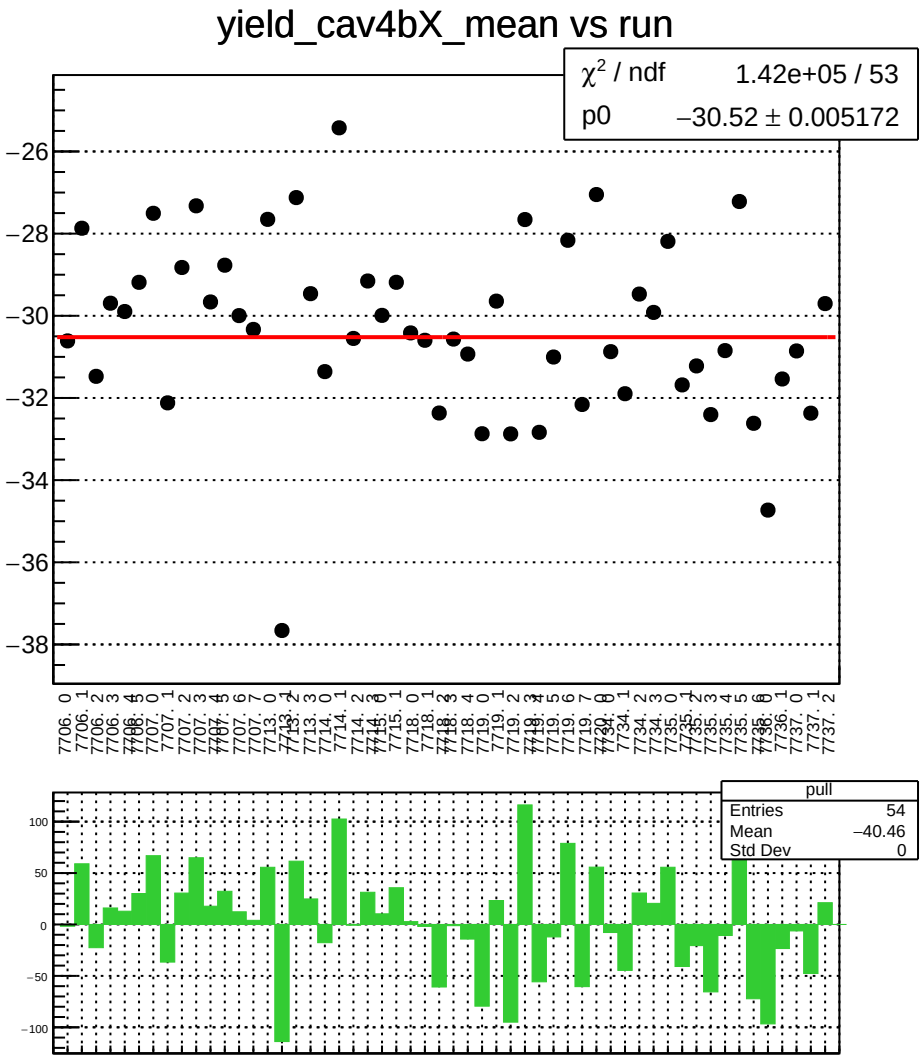

pull1D
Entries 54
Mean −0.008451
Std Dev 0.9885

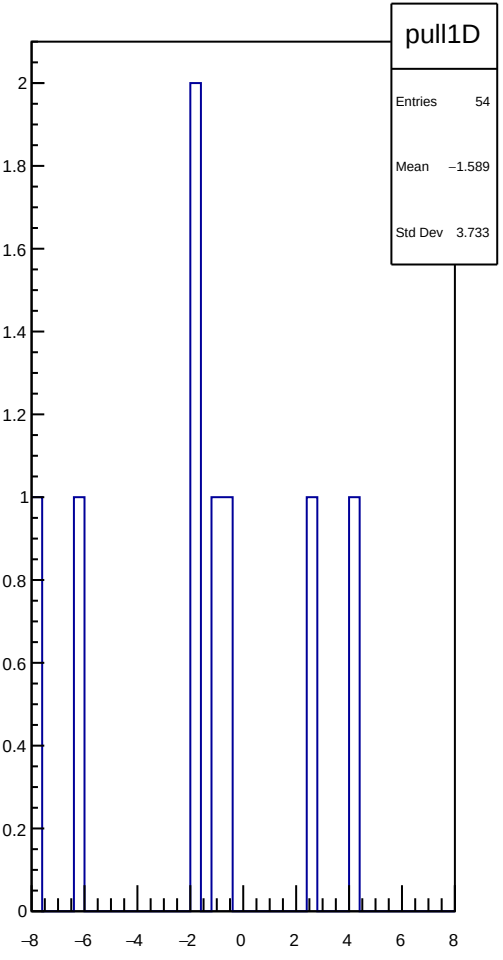

diff_bpmtargetsumY_rms vs run
χ² / ndf 1.589e+05 / 53
p0 9537 ± 10.04
35000
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

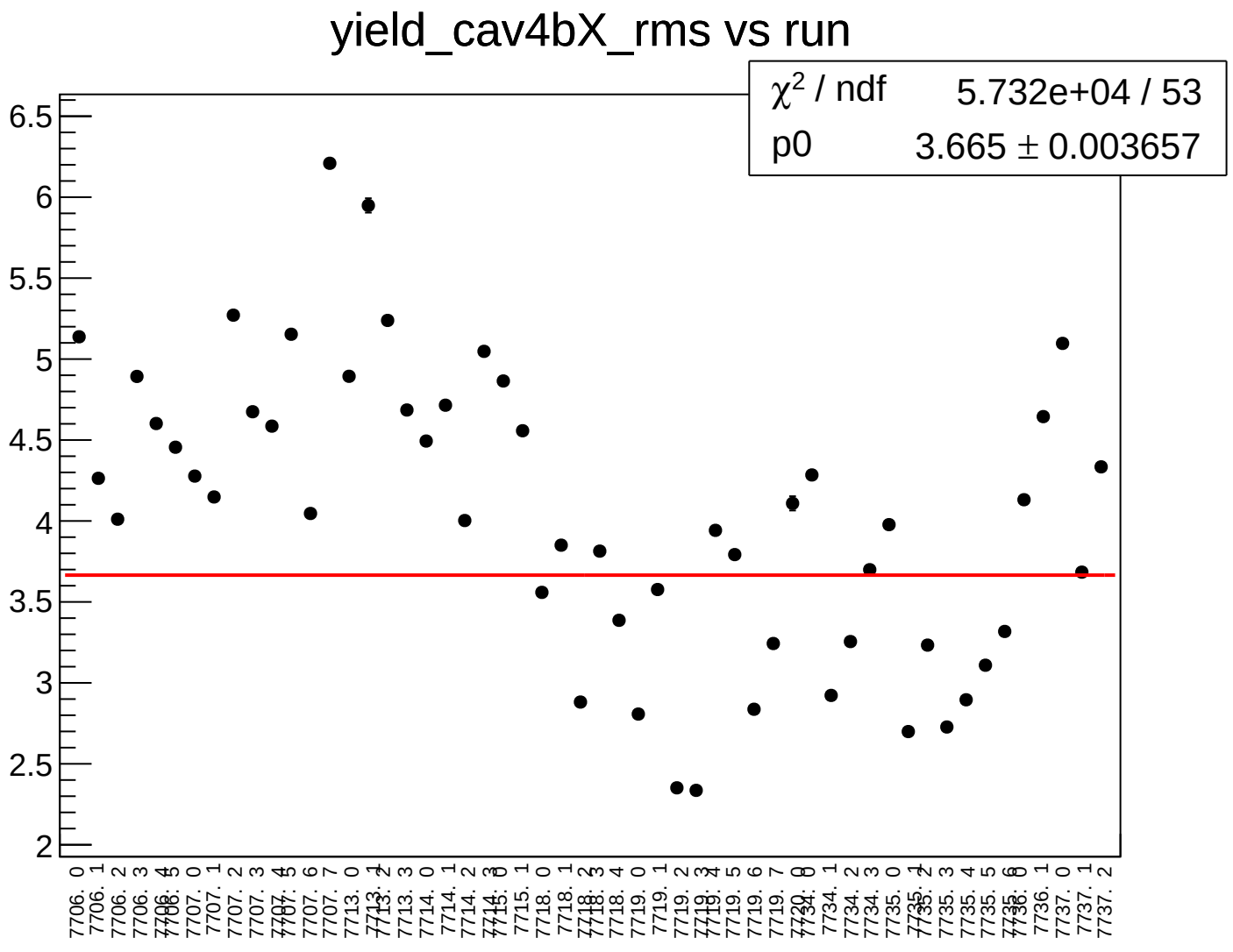

diff_bpmtargetdiffY_mean vs run
χ² / ndf 49.6 / 53
p0 −0.6382 ± 1.534
pull
Entries 54
Mean 30.25
Std Dev 8.208

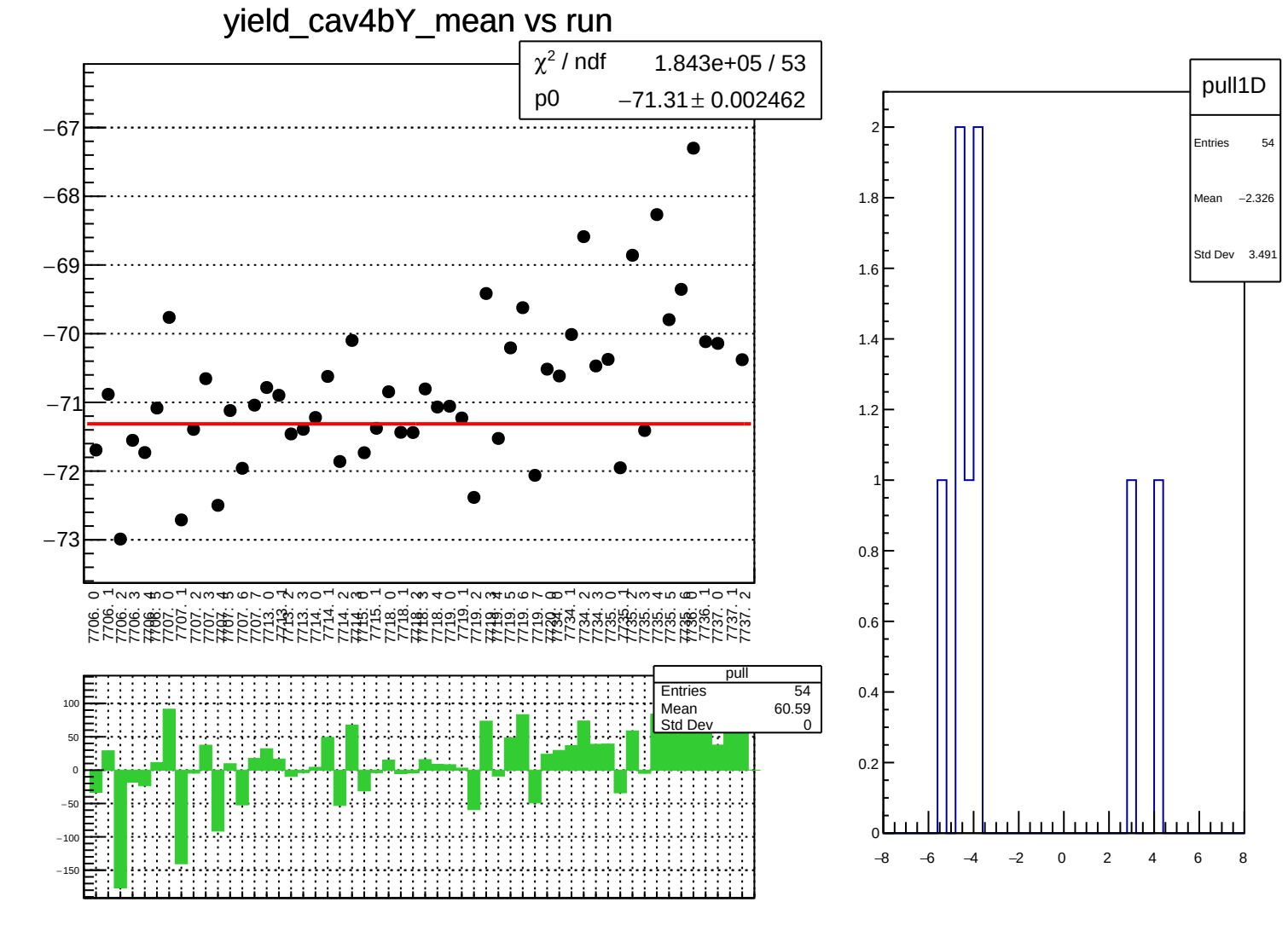

pull1D
Entries 54
Mean −0.06628
Std Dev 0.9561

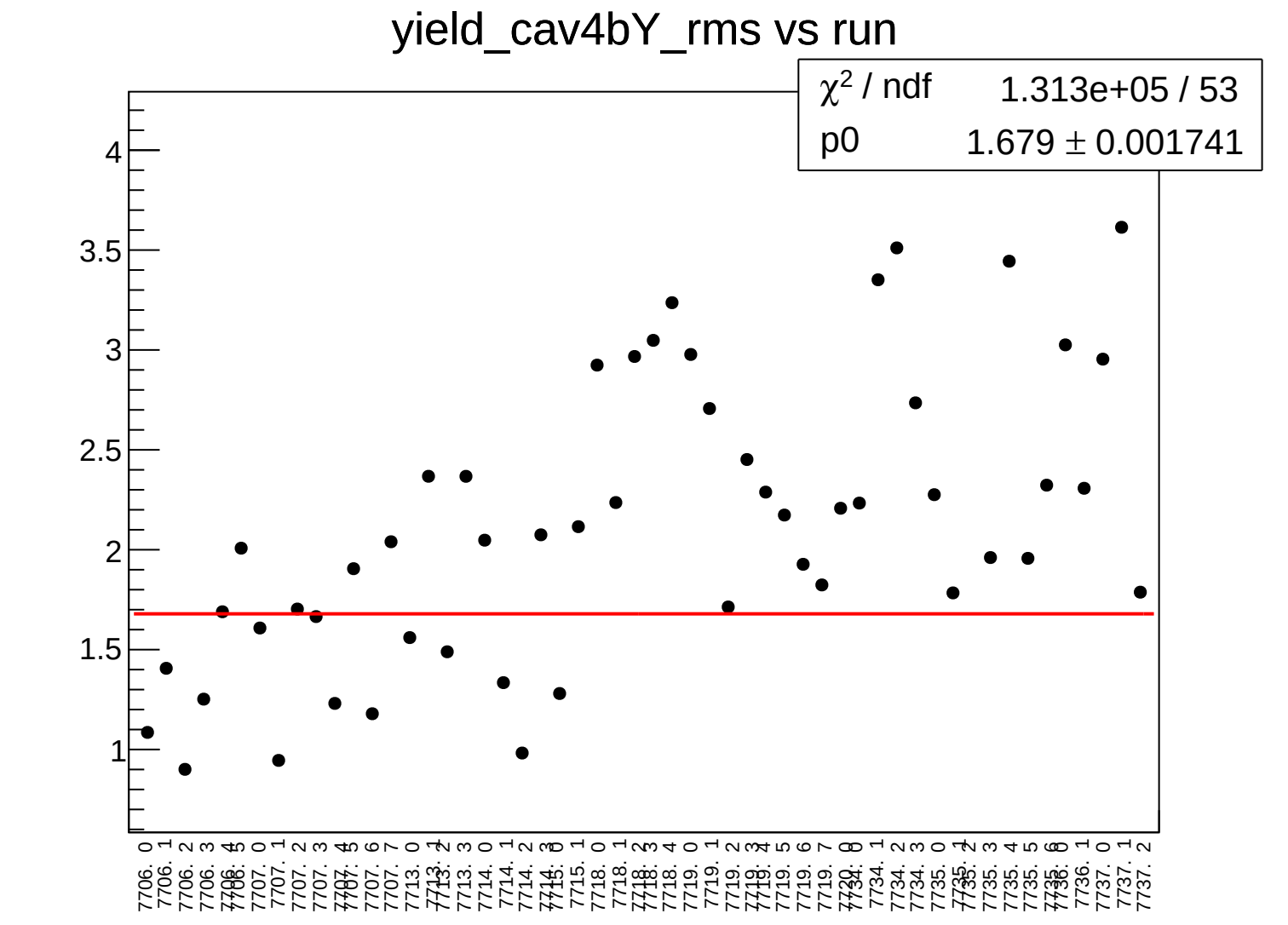

diff_bpmtargetdiffY_rms vs run
χ² / ndf 4.292e+05 / 53
p0 862.7 ± 1.085
8000
7000
6000
5000
4000
3000
2000
1000

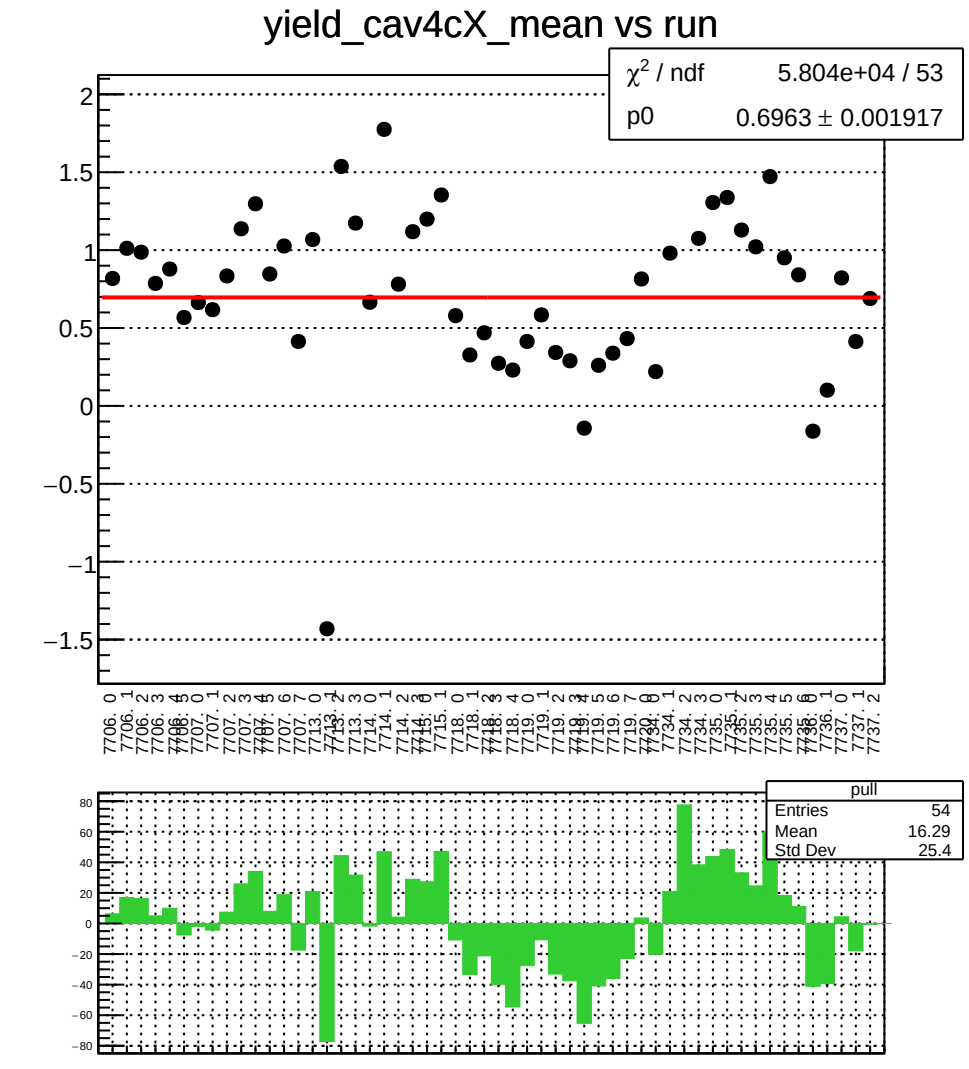

yield_cav4bX_mean vs run
χ² / ndf 1.42e+05 / 53
p0 −30.52 ± 0.005172
−26
−28
−30
−32
−34
−36
−38
pull
Entries 54
Mean −40.46
Std Dev 0
100
50
0
−50
−100

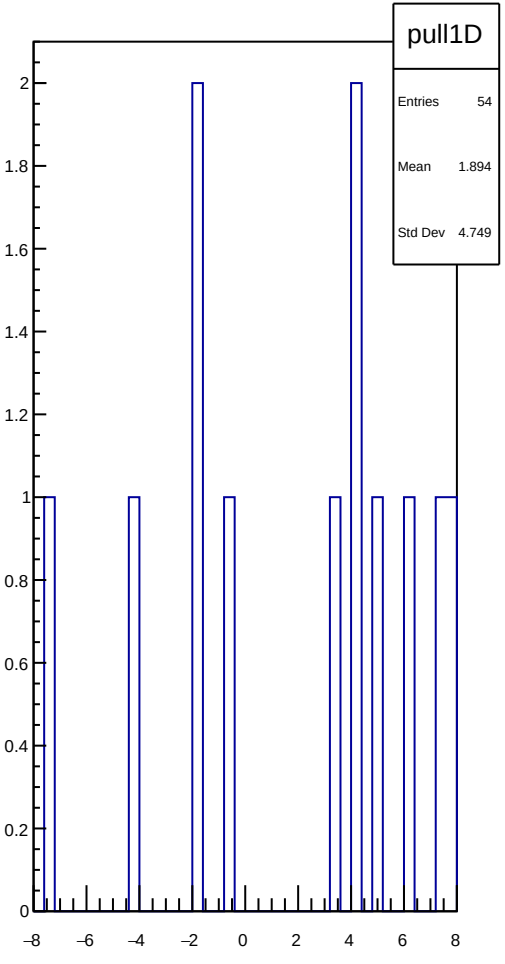

pull1D
Entries 54
Mean −1.589
Std Dev 3.733
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

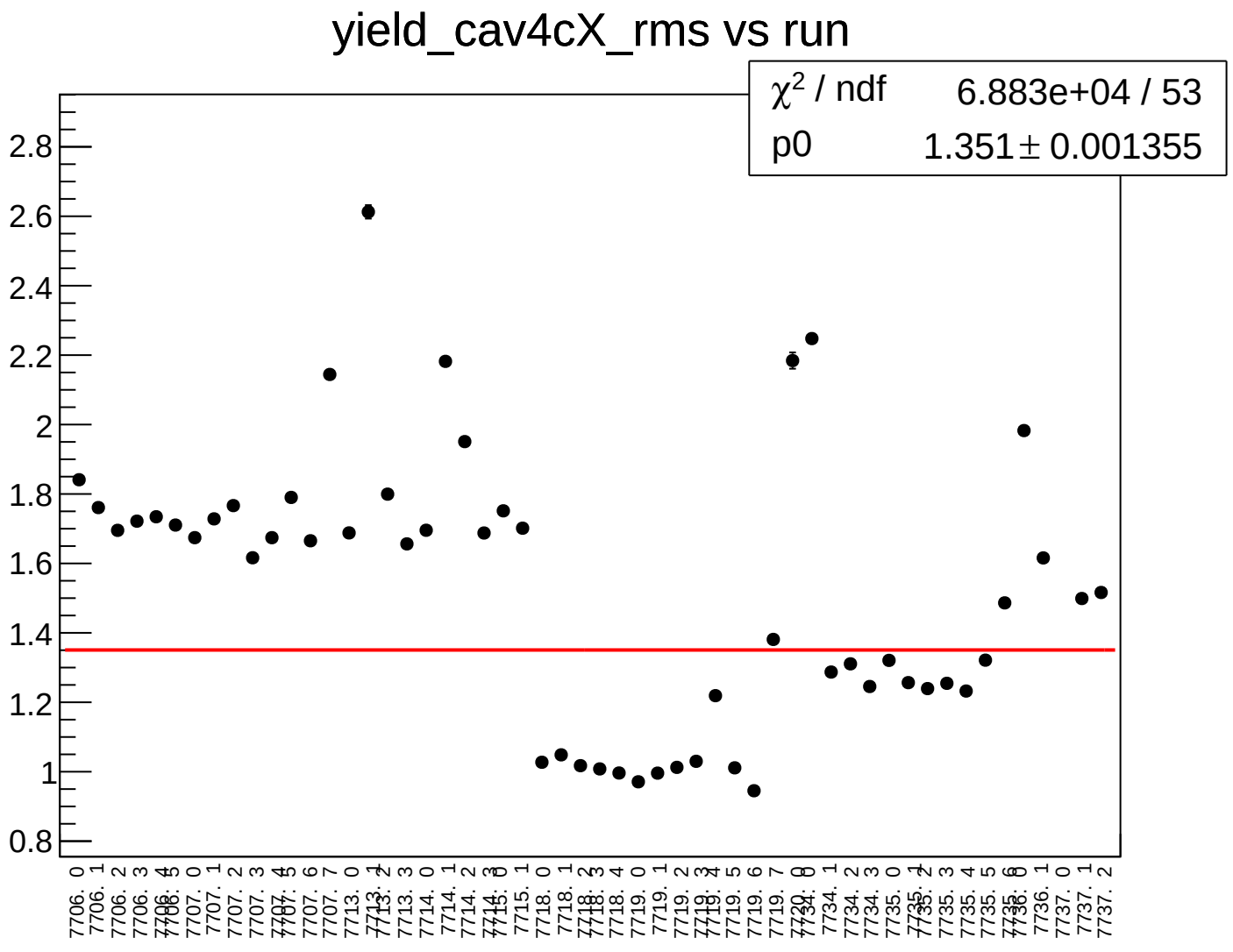

yield_cav4bX_rms vs run
χ² / ndf 5.732e+04 / 53
p0 3.665 ± 0.003657
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2

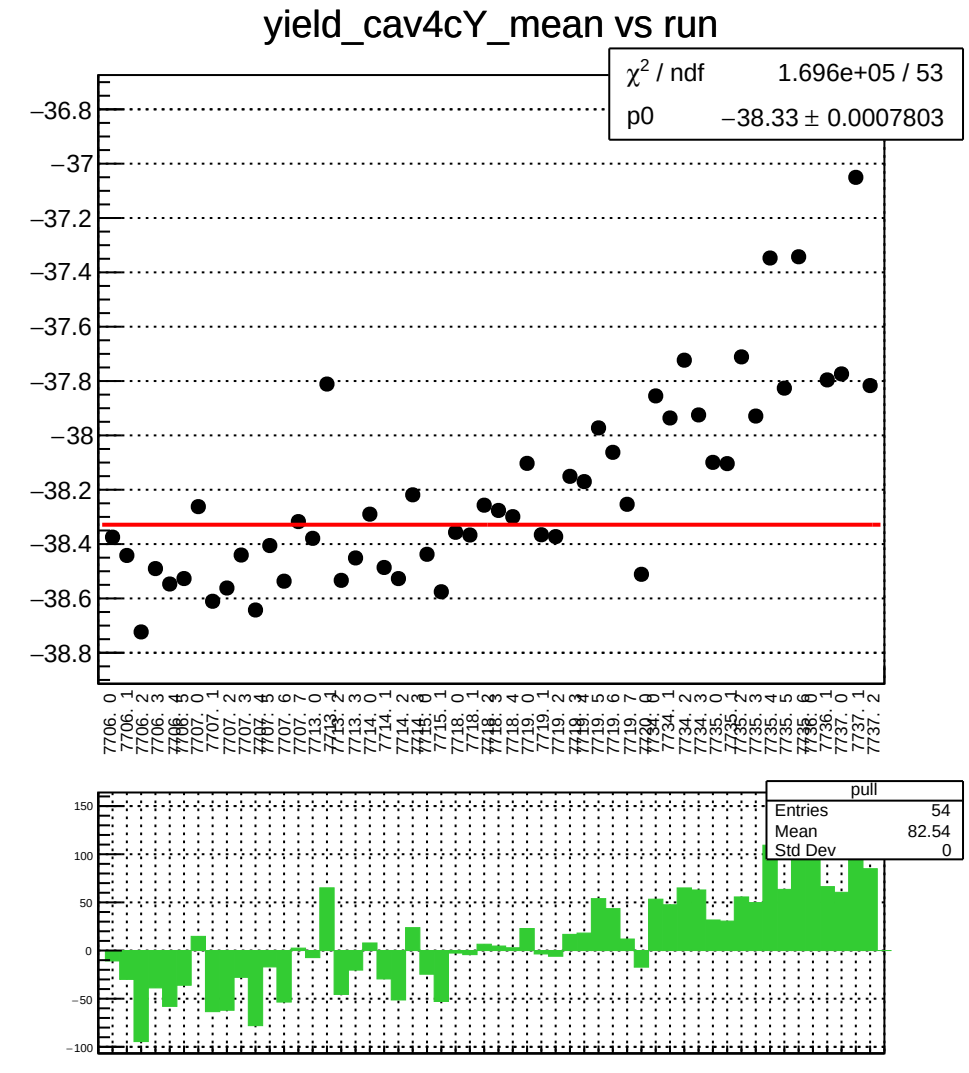

yield_cav4bY_mean vs run
χ² / ndf 1.843e+05 / 53
p0 −71.31 ± 0.002462
pull
Entries 54
Mean 60.59
Std Dev 0
pull1D
Entries 54
Mean −2.326
Std Dev 3.491

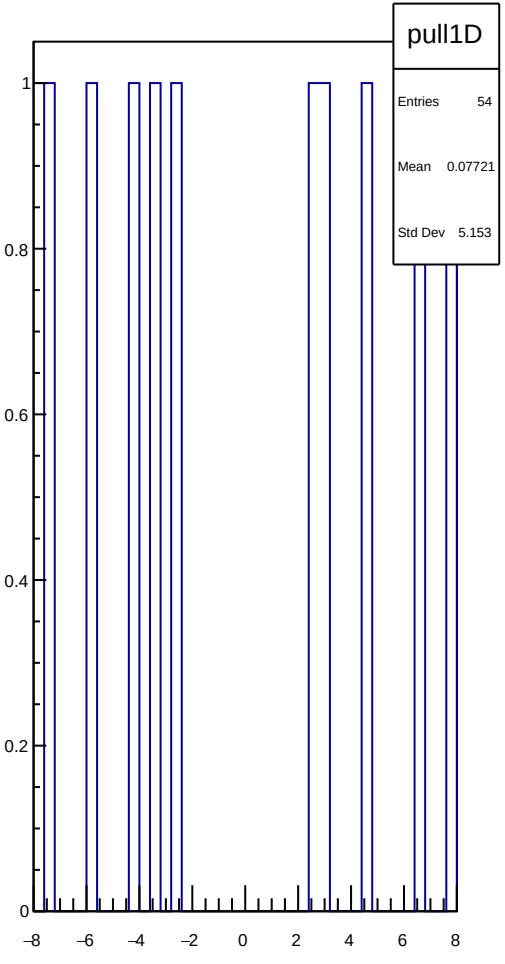

yield_cav4bY_rms vs run
χ² / ndf 1.313e+05 / 53
p0 1.679 ± 0.001741
4
3.5
3
2.5
2
1.5
1

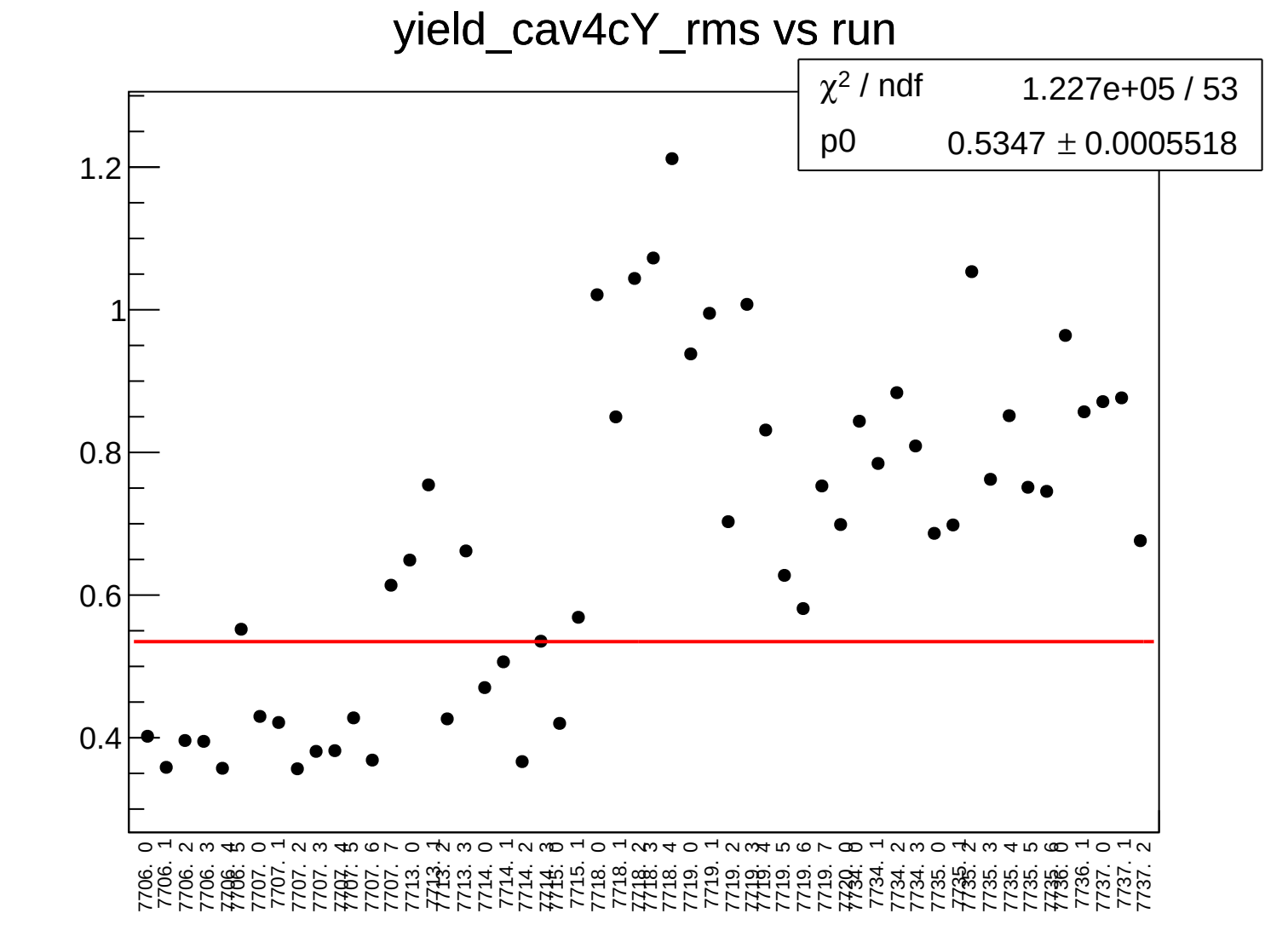

yield_cav4cX_mean vs run
χ² / ndf 5.804e+04 / 53
p0 0.6963 ± 0.001917
pull
Entries 54
Mean 16.29
Std Dev 25.4

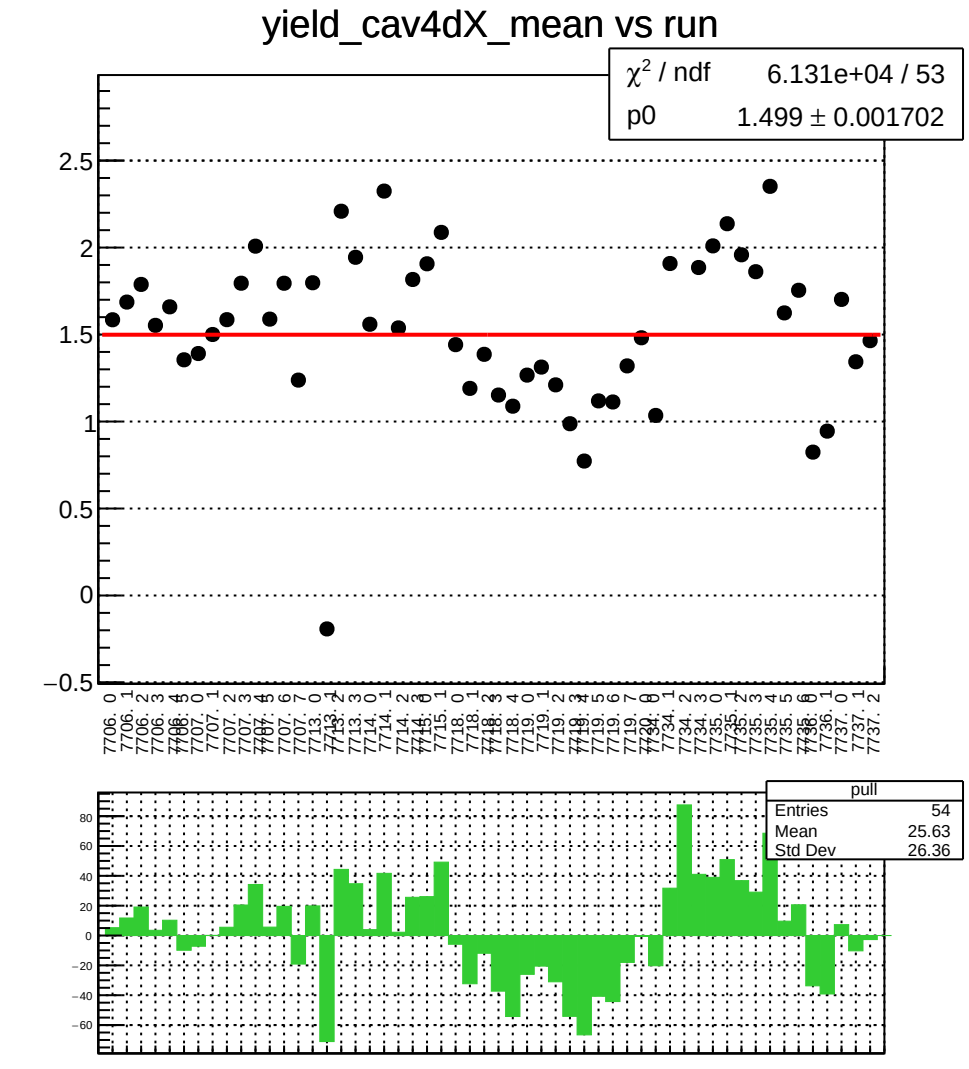

pull1D
Entries 54
Mean 1.894
Std Dev 4.749

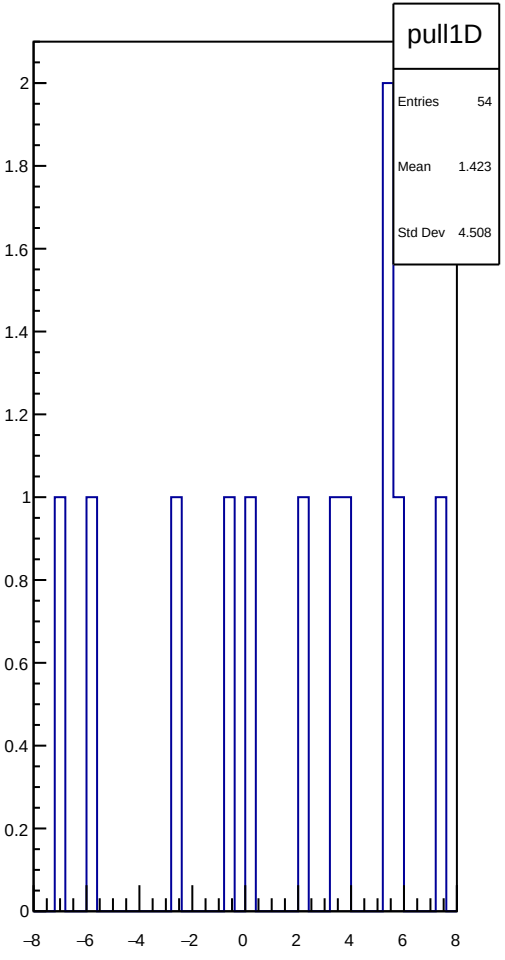

yield_cav4cX_rms vs run
χ² / ndf 6.883e+04 / 53
p0 1.351 ± 0.001355
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

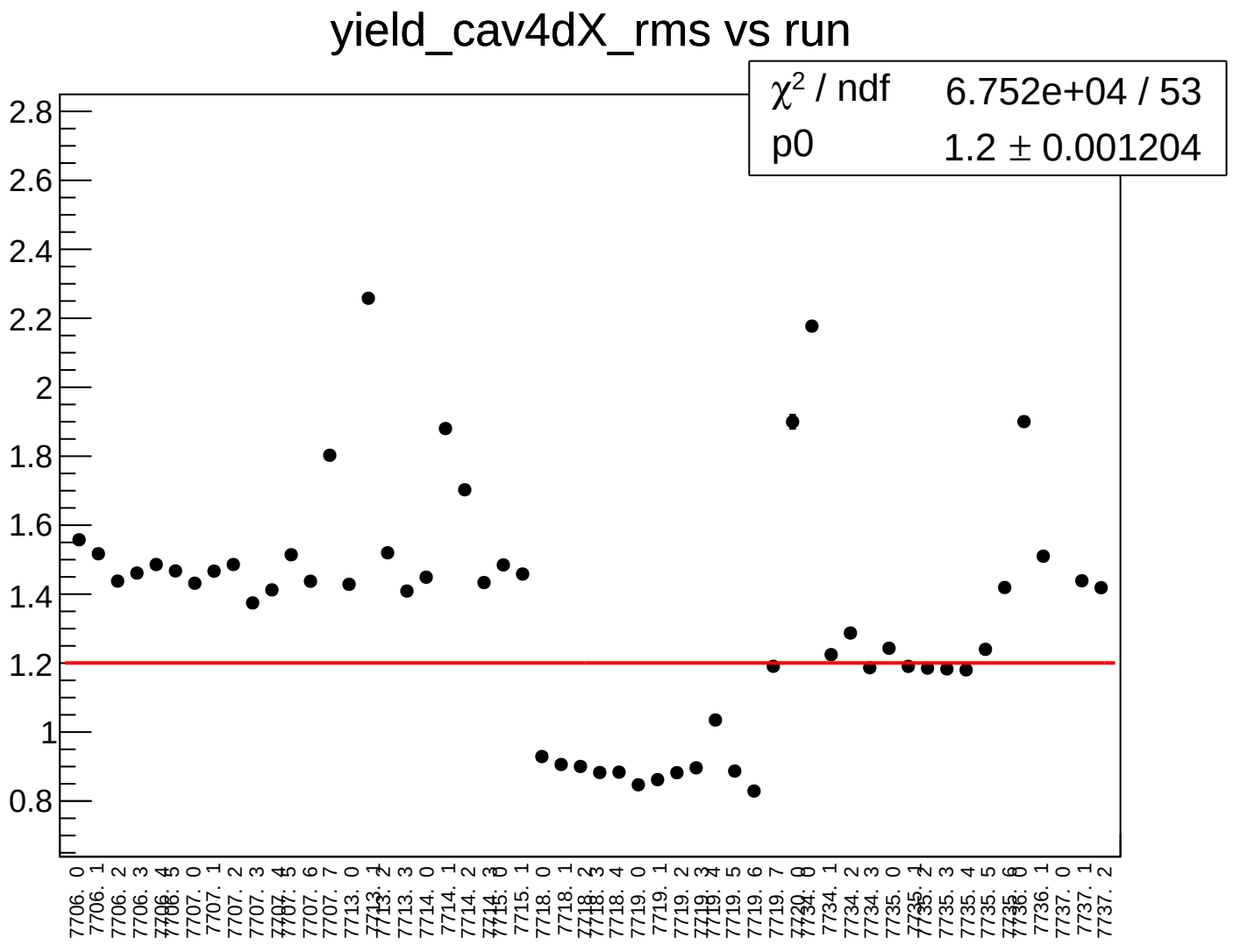

yield_cav4cY_mean vs run
χ² / ndf 1.696e+05 / 53
p0 −38.33 ± 0.0007803
pull
Entries 54
Mean 82.54
Std Dev 0

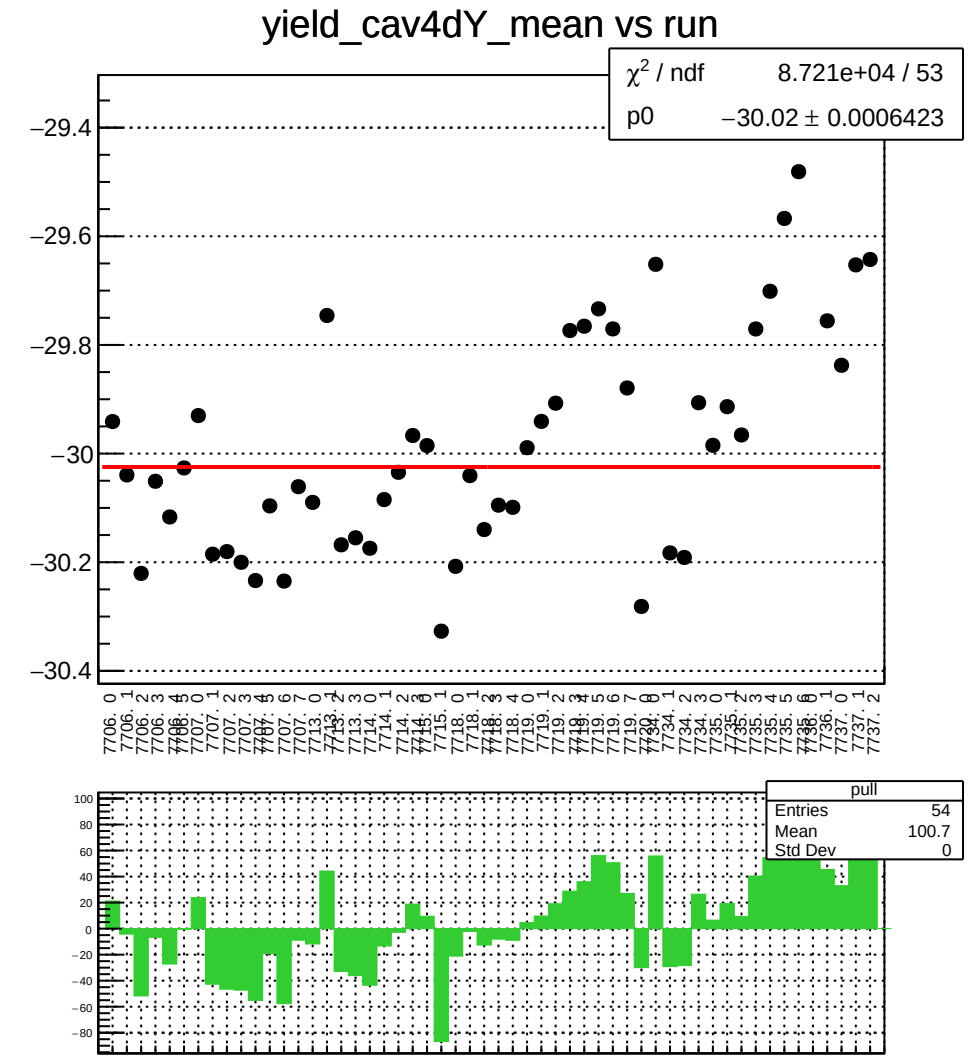

pull1D
Entries 54
Mean 0.07721
Std Dev 5.153

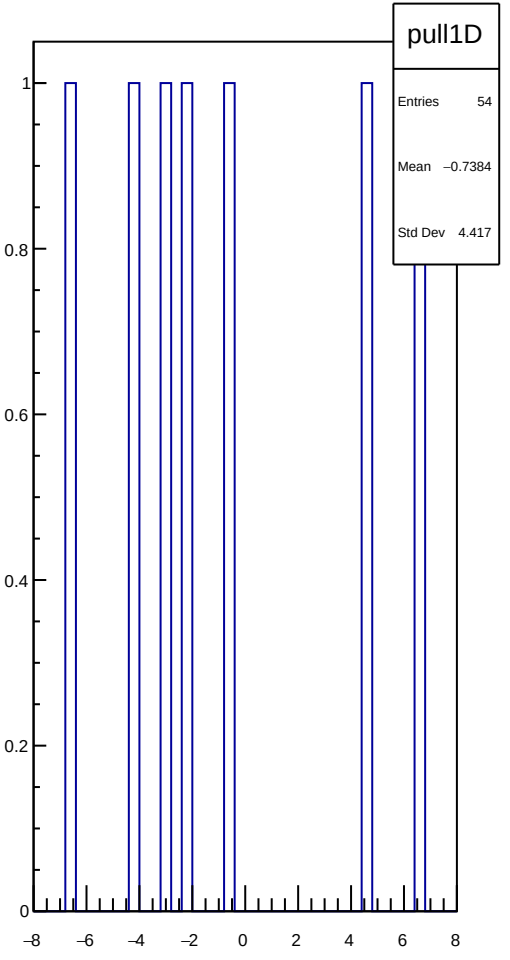

yield_cav4cY_rms vs run
χ² / ndf 1.227e+05 / 53
p0 0.5347 ± 0.0005518
1.2
1
0.8
0.6
0.4

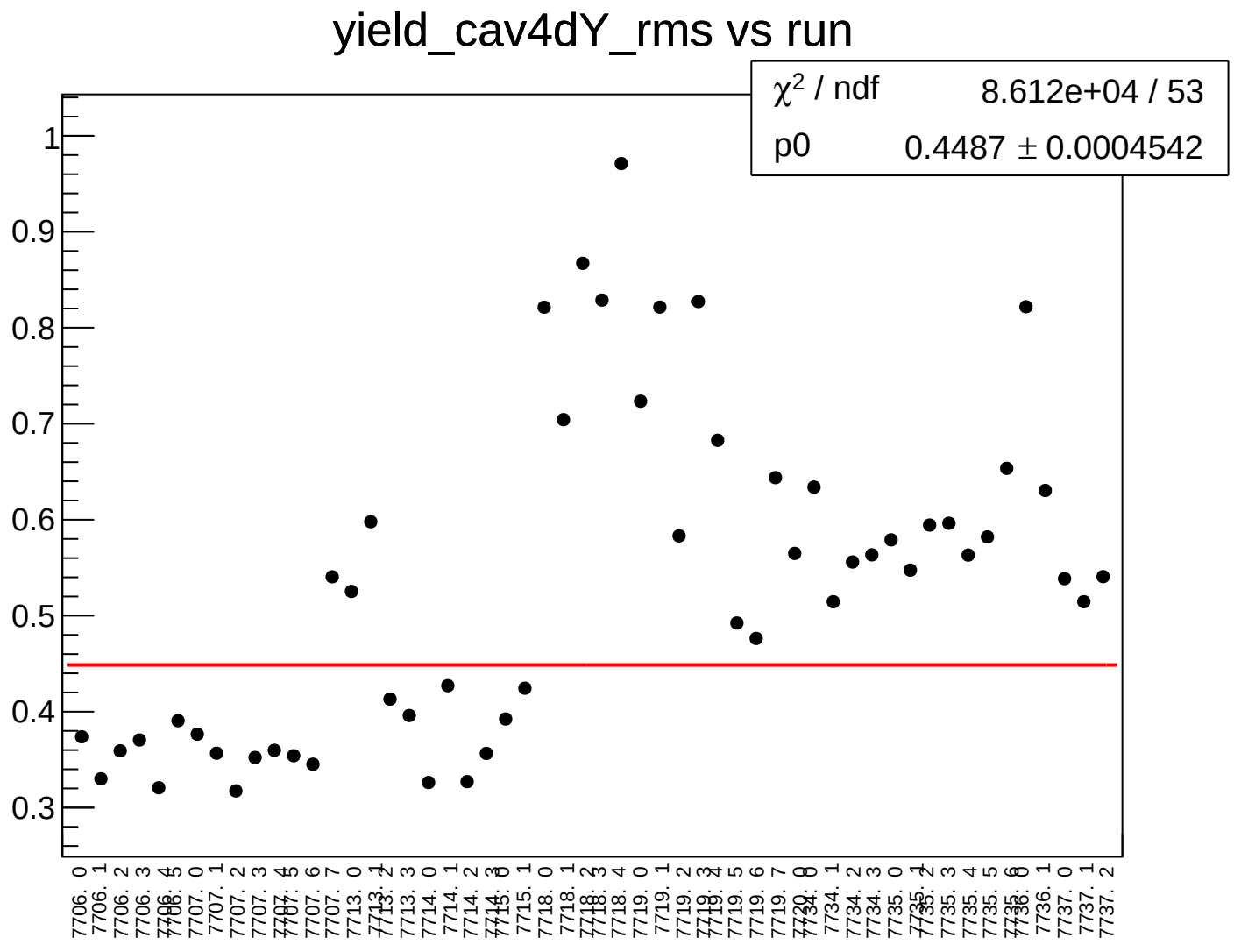

yield_cav4dX_mean vs run
χ² / ndf 6.131e+04 / 53
p0 1.499 ± 0.001702
pull
Entries 54
Mean 25.63
Std Dev 26.36

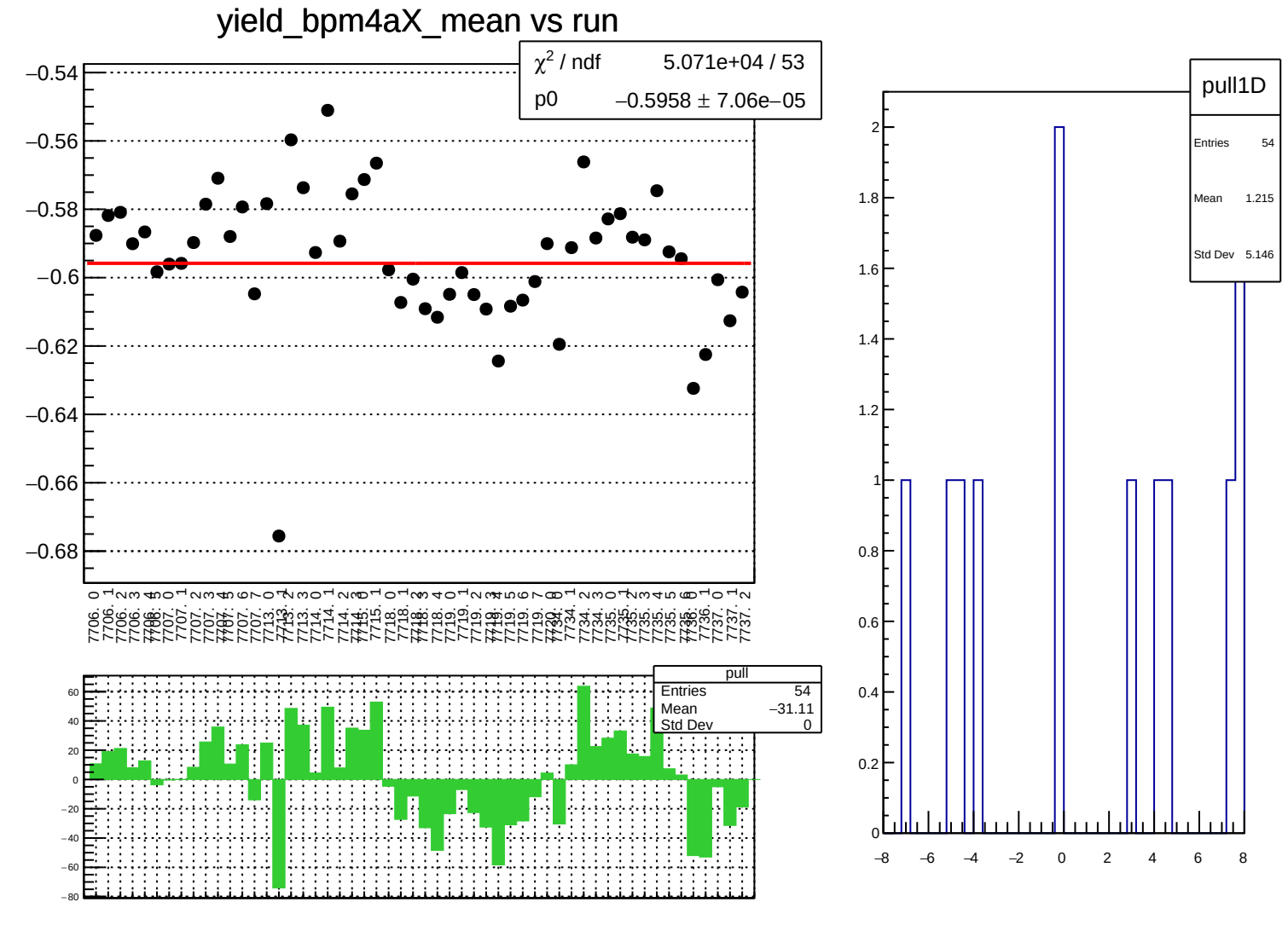

pull1D
Entries 54
Mean 1.423
Std Dev 4.508

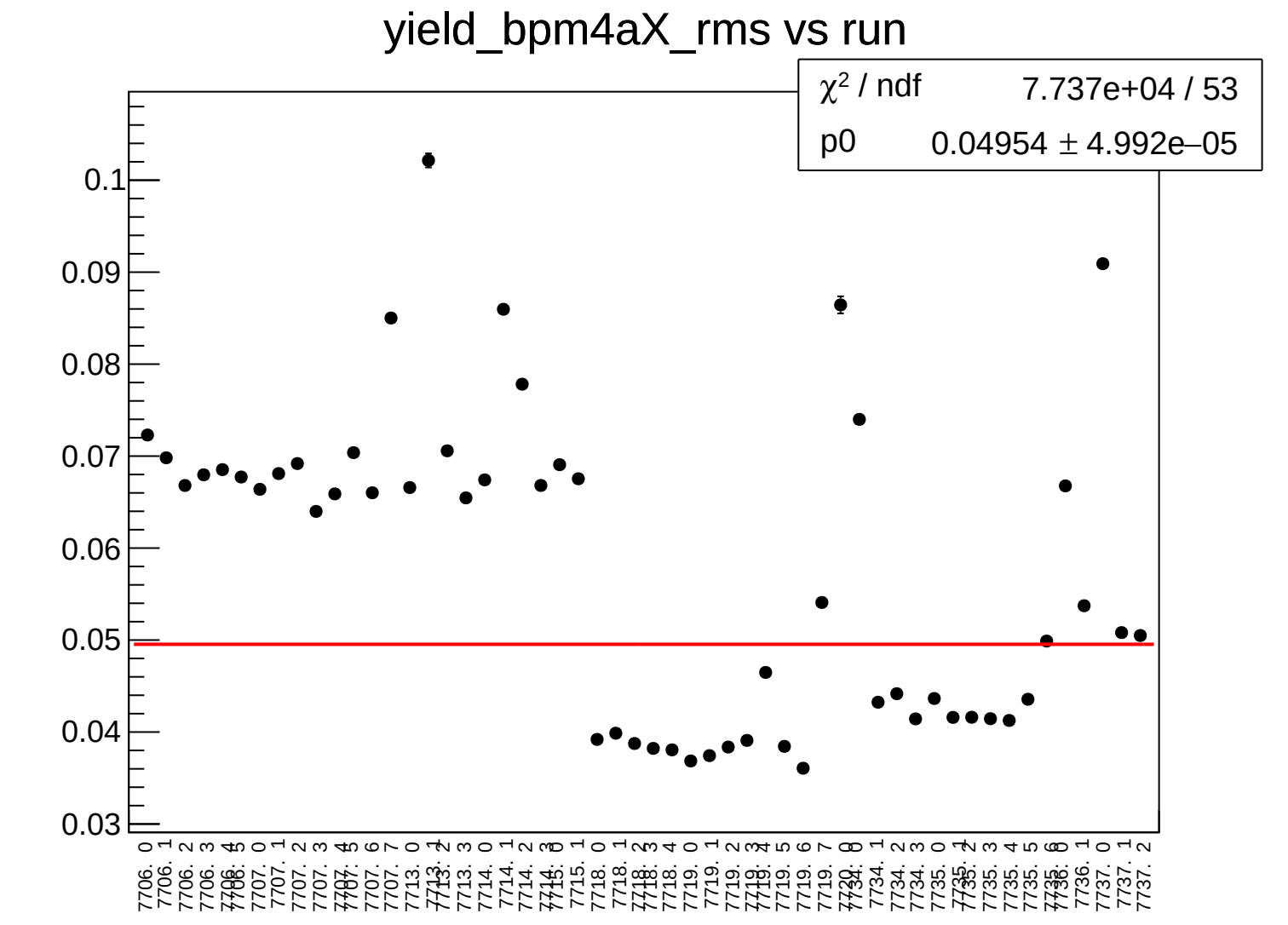

yield_cav4dX_rms vs run
χ² / ndf 6.752e+04 / 53
p0 1.2 ± 0.001204
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8

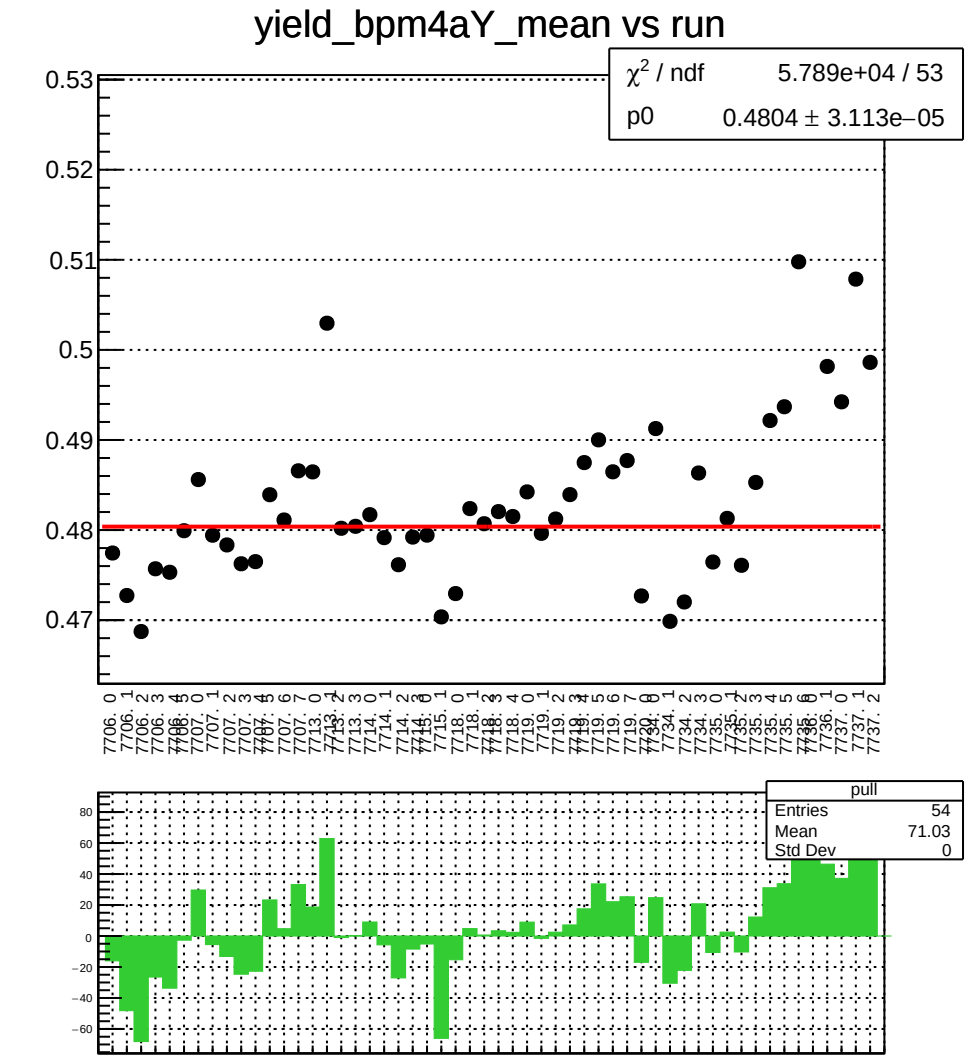

yield_cav4dY_mean vs run
χ² / ndf 8.721e+04 / 53
p0 −30.02 ± 0.0006423
−29.4
−29.6
−29.8
−30
−30.2
−30.4
pull
Entries 54
Mean 100.7
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

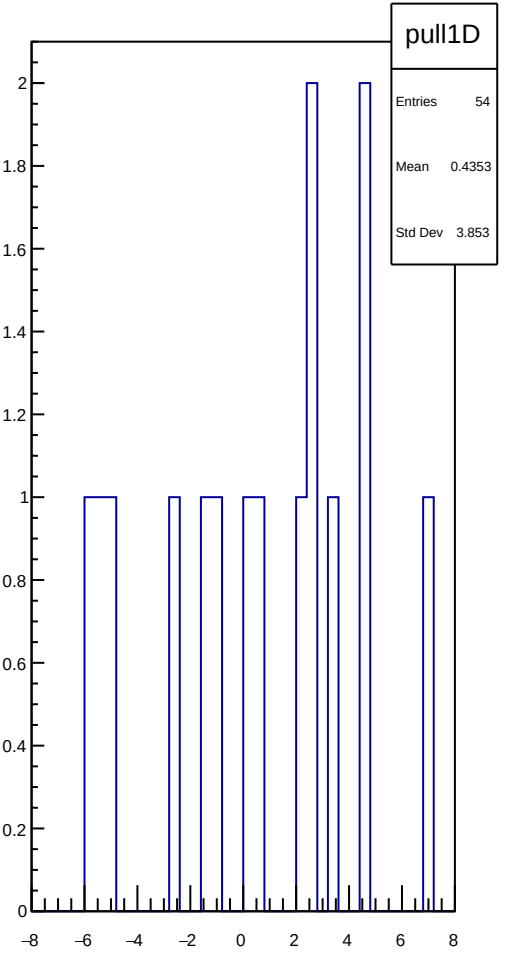

pull1D
Entries 54
Mean −0.7384
Std Dev 4.417
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

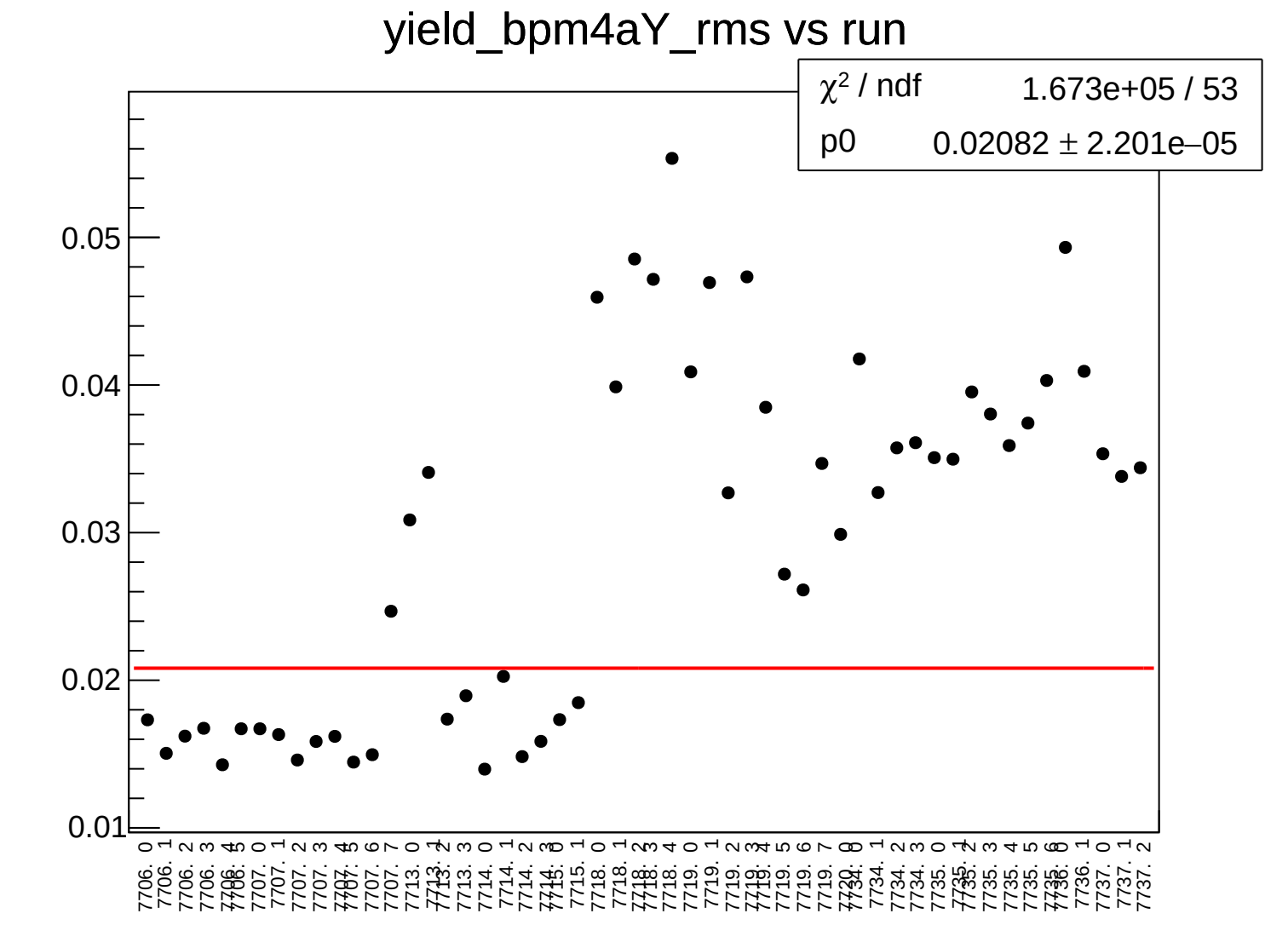

yield_cav4dY_rms vs run
χ² / ndf 8.612e+04 / 53
p0 0.4487 ± 0.0004542
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

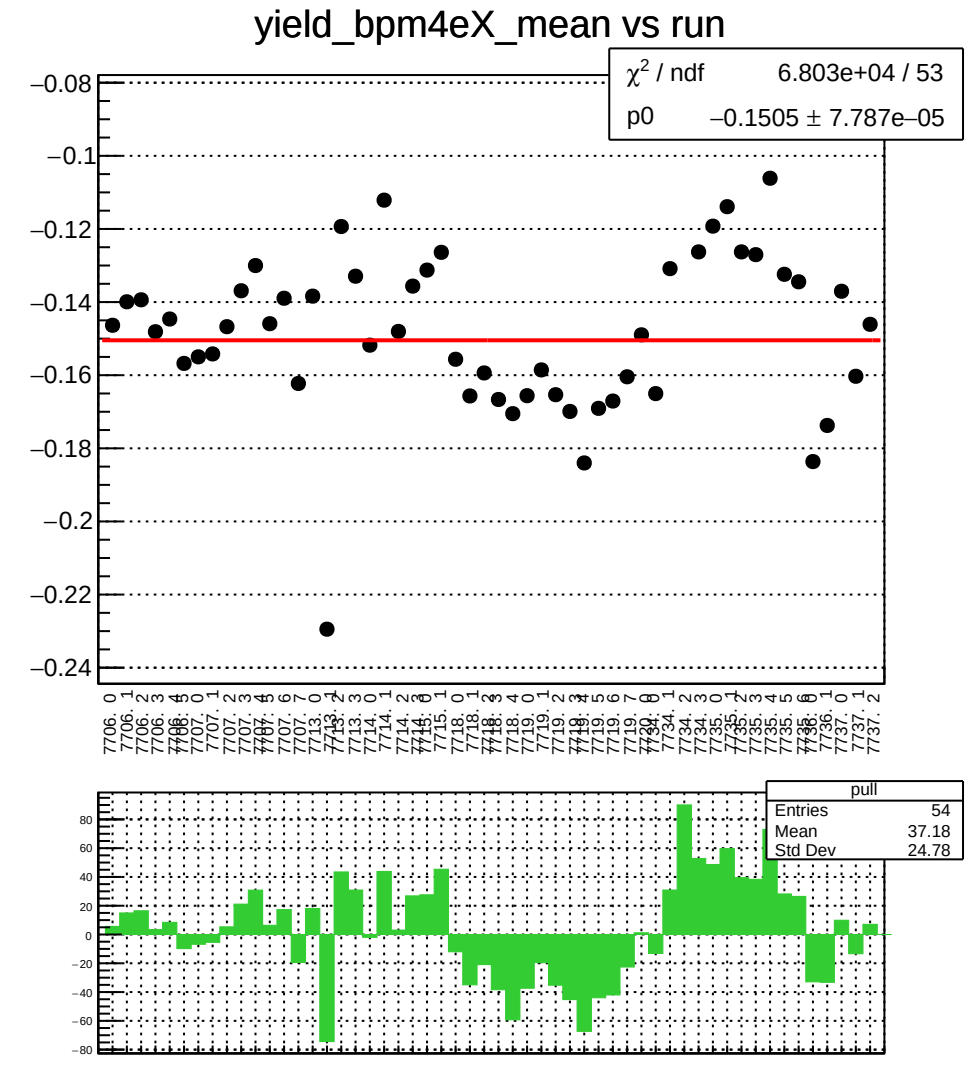

yield_bpm4aX_mean vs run
χ² / ndf 5.071e+04 / 53
p0 −0.5958 ± 7.06e−05
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
−0.66
−0.68
pull
Entries 54
Mean −31.11
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 54
Mean 1.215
Std Dev 5.146
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

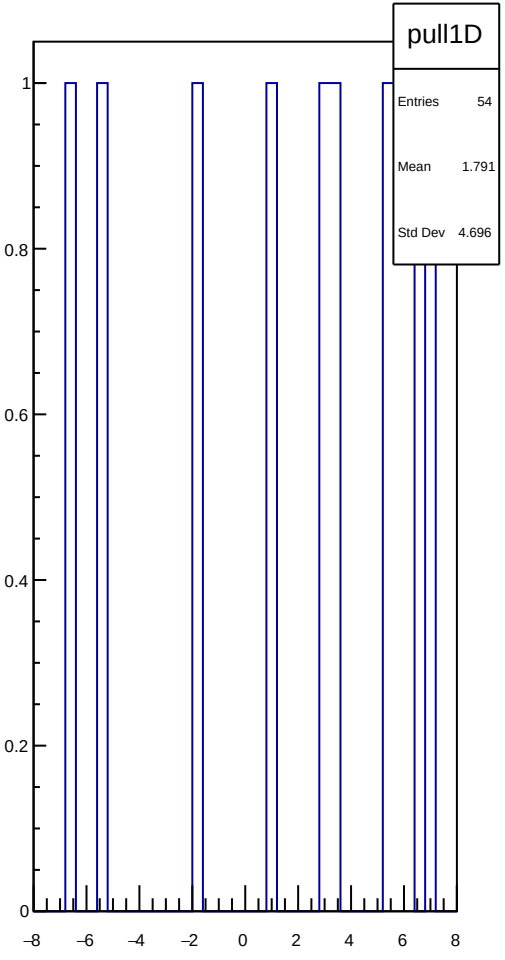

yield_bpm4aX_rms vs run
χ² / ndf 7.737e+04 / 53
p0 0.04954 ± 4.992e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

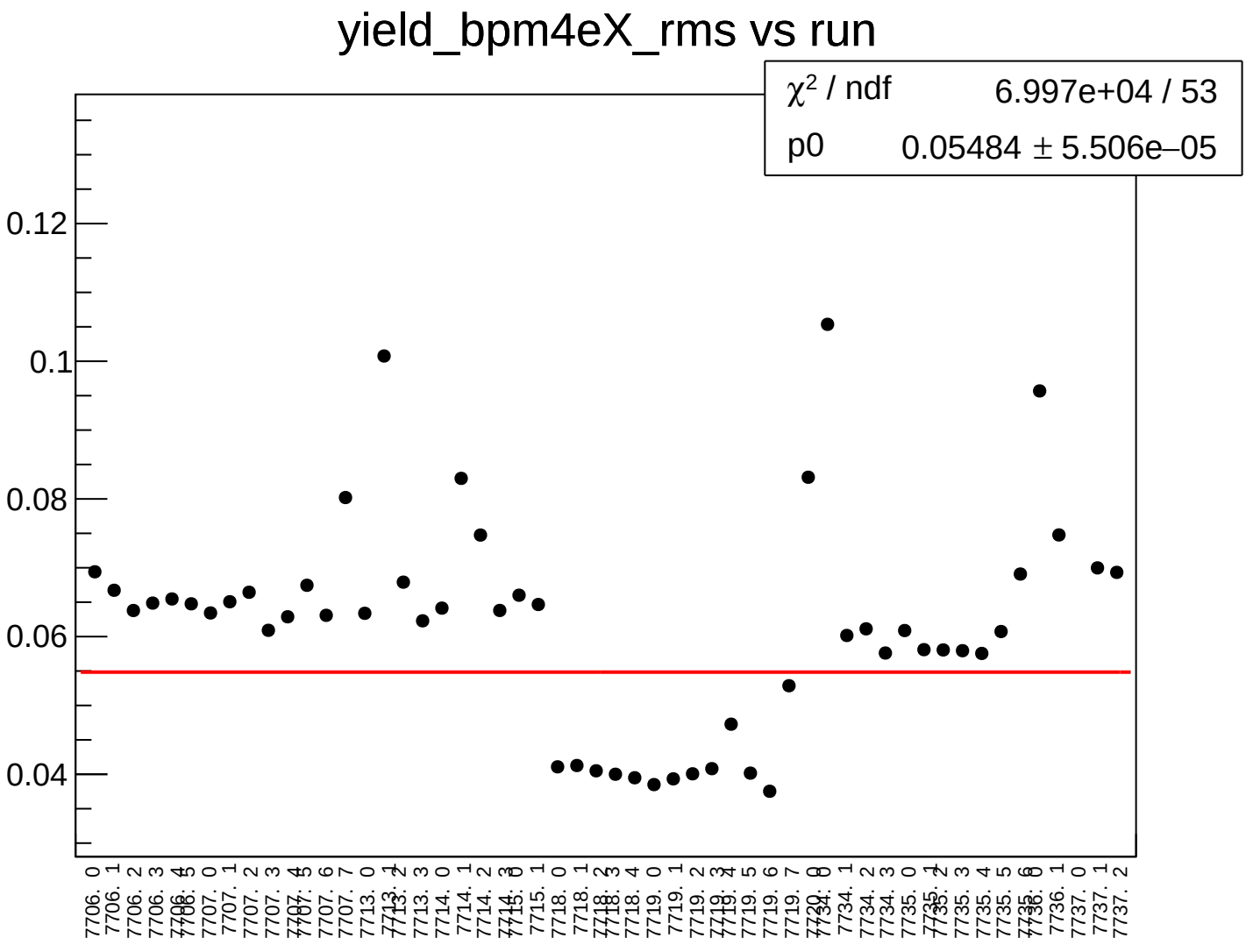

yield_bpm4aY_mean vs run
χ² / ndf 5.789e+04 / 53
p0 0.4804 ± 3.113e−05
0.53
0.52
0.51
0.5
0.49
0.48
0.47
pull
Entries 54
Mean 71.03
Std Dev 0
80
60
40
20
0
−20
−40
−60

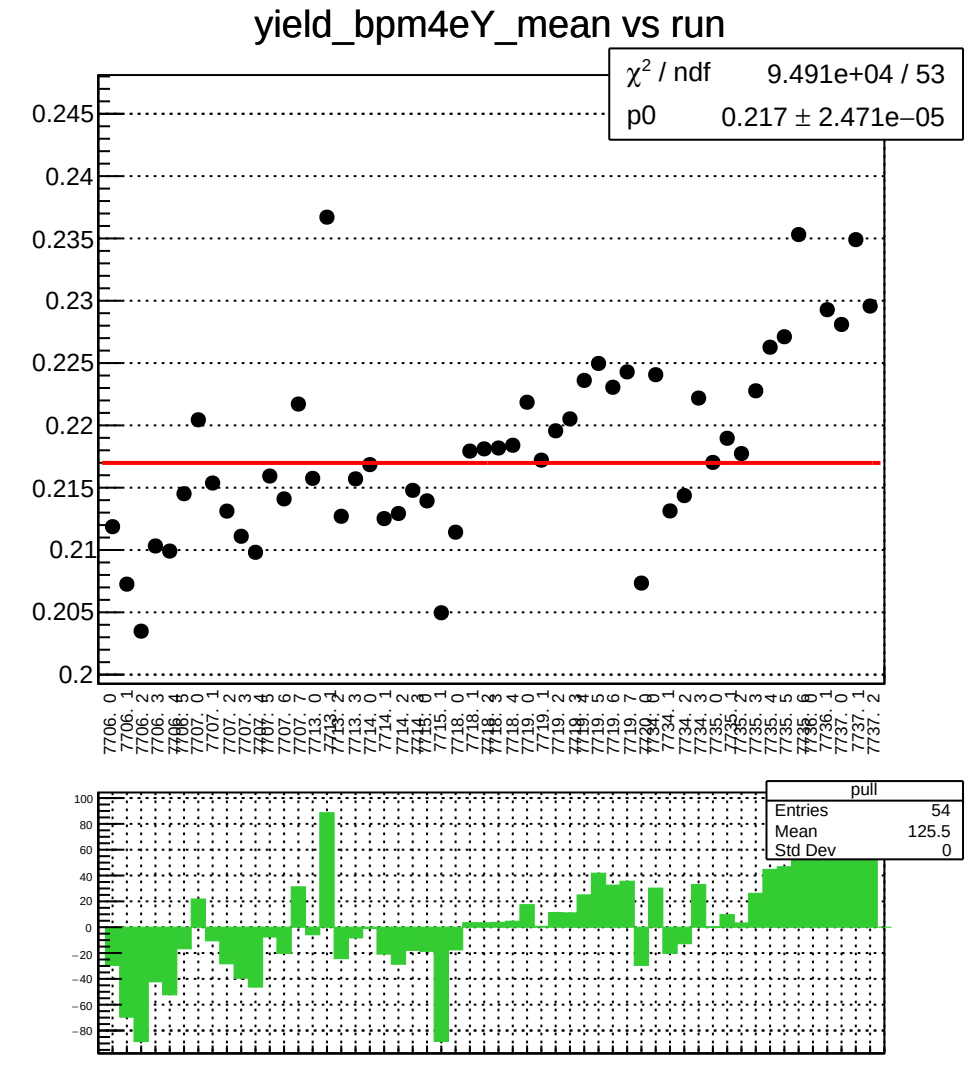

pull1D
Entries 54
Mean 0.4353
Std Dev 3.853
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

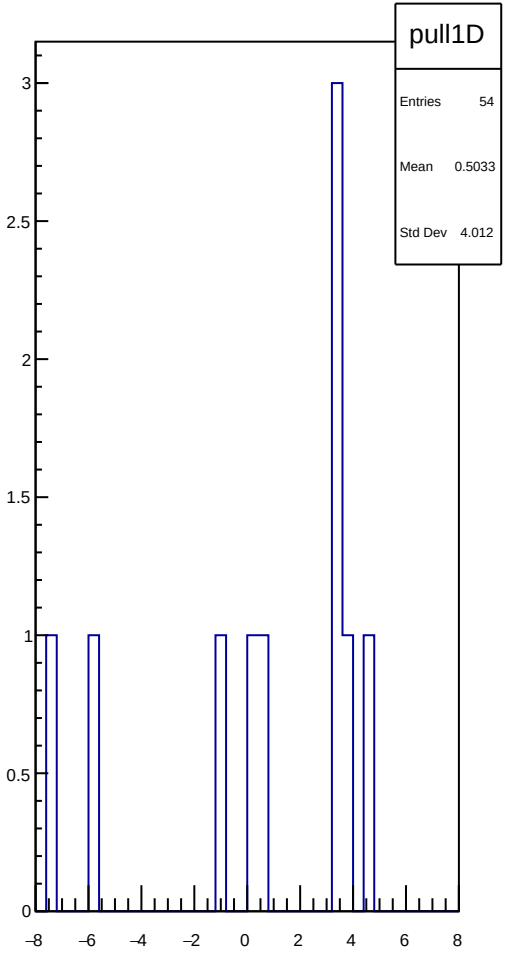

yield_bpm4aY_rms vs run
χ² / ndf 1.673e+05 / 53
p0 0.02082 ± 2.201e–05
0.05
0.04
0.03
0.02
0.01

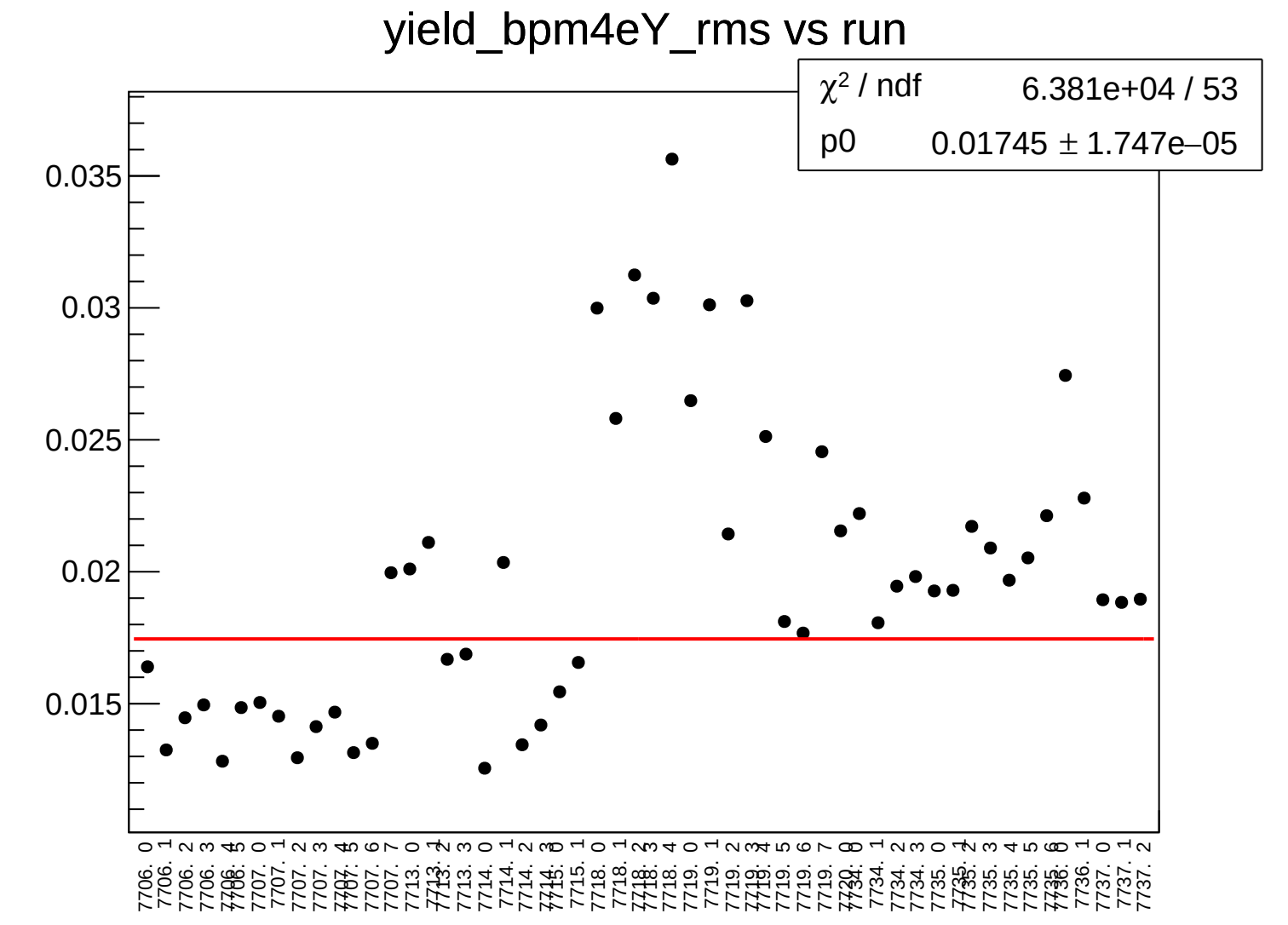

yield_bpm4eX_mean vs run
χ² / ndf 6.803e+04 / 53
p0 −0.1505 ± 7.787e−05
pull
Entries 54
Mean 37.18
Std Dev 24.78

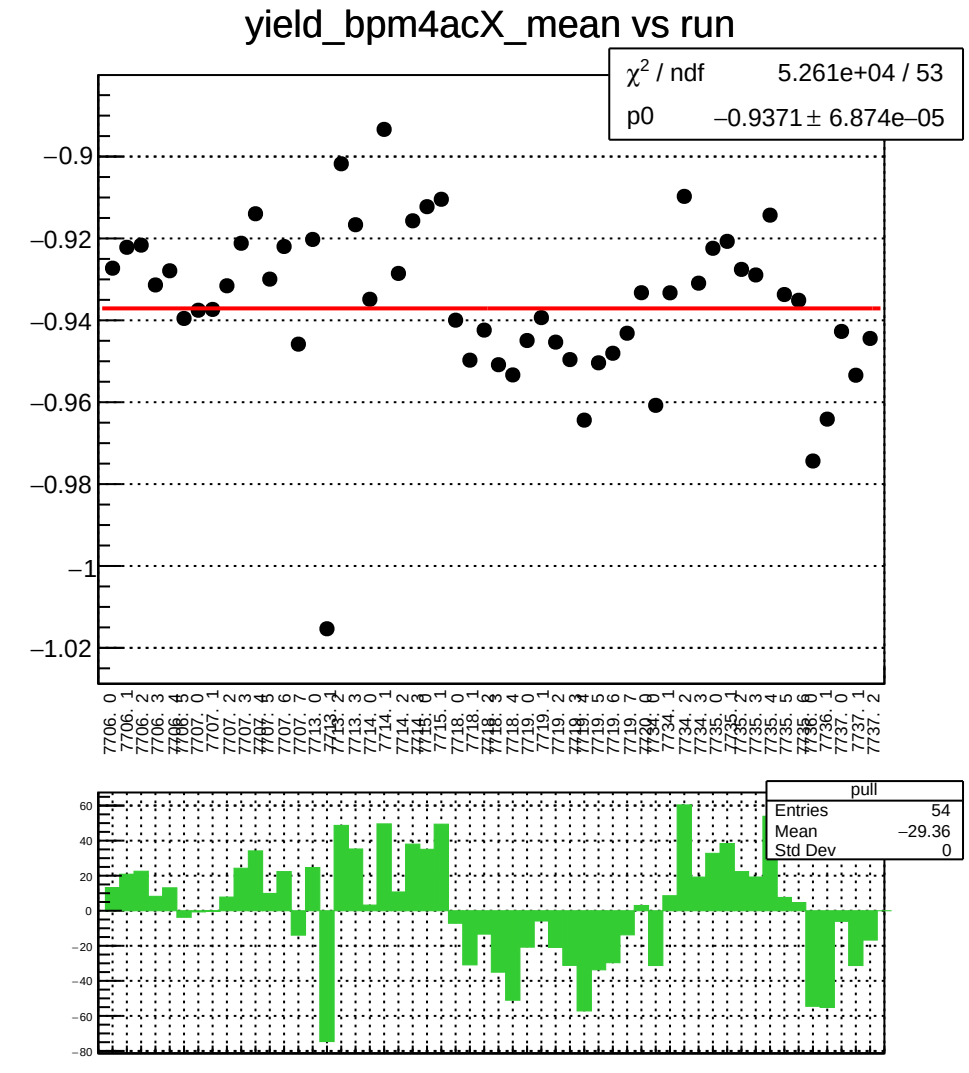

pull1D
Entries 54
Mean 1.791
Std Dev 4.696

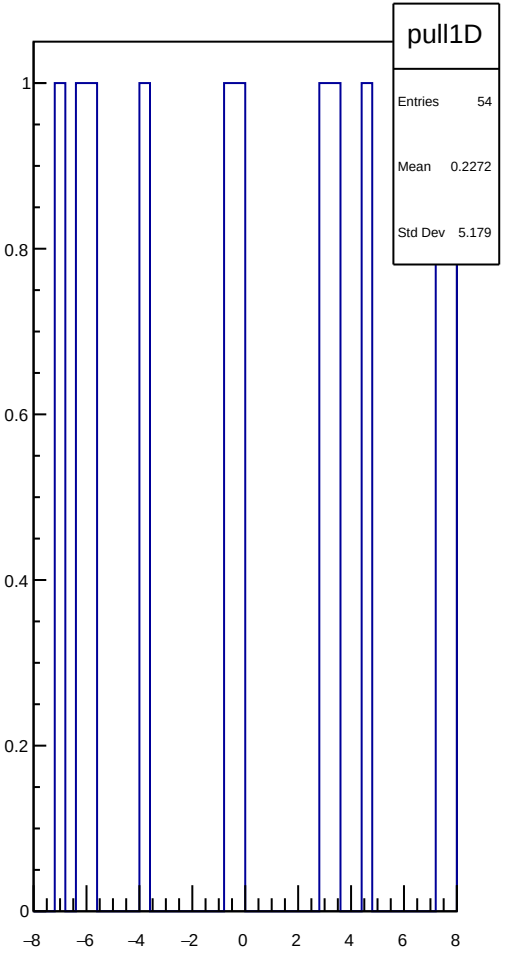

yield_bpm4eX_rms vs run
χ² / ndf 6.997e+04 / 53
p0 0.05484 ± 5.506e–05
0.12
0.1
0.08
0.06
0.04
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

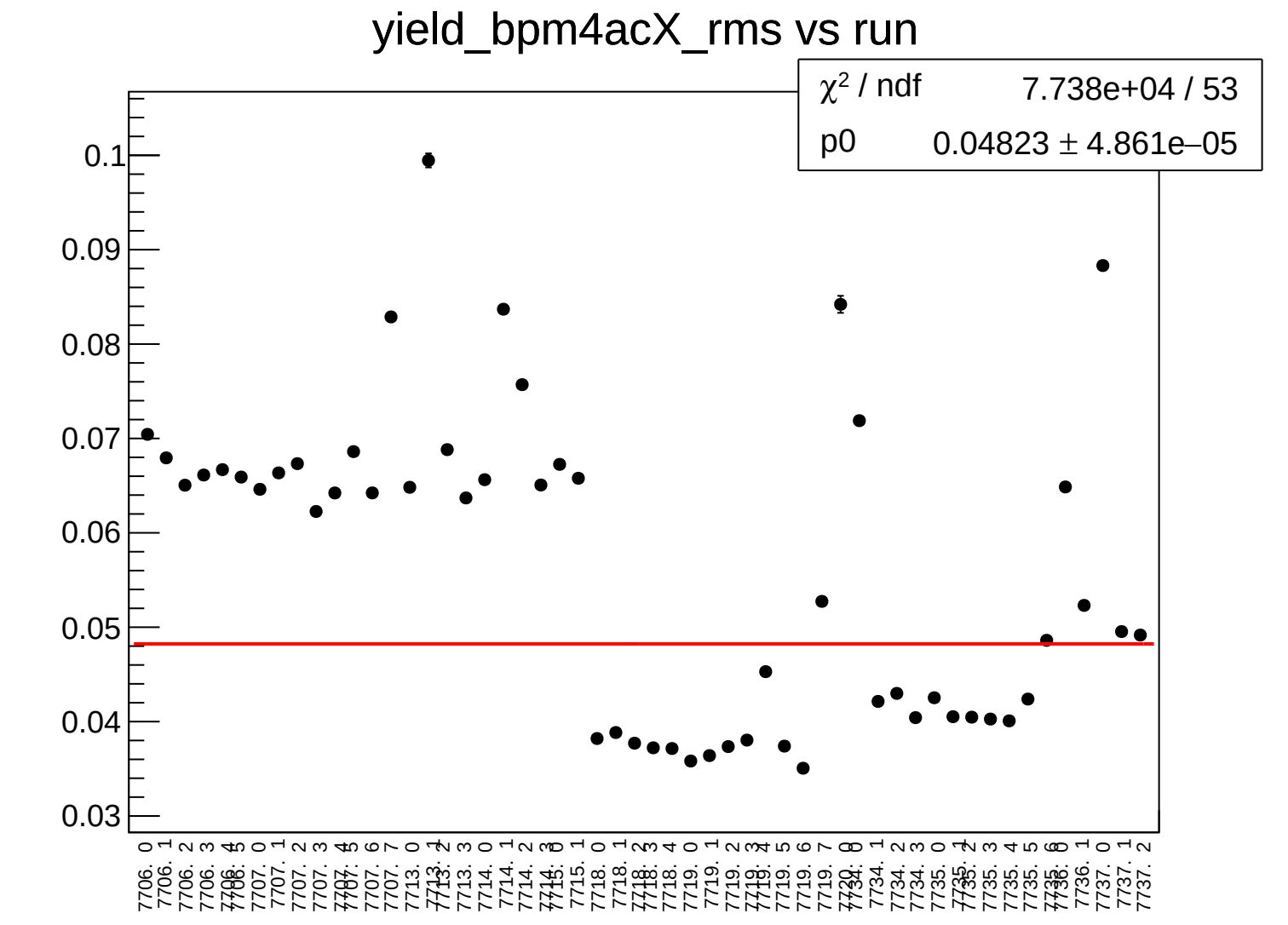

yield_bpm4eY_mean vs run
χ² / ndf 9.491e+04 / 53
p0 0.217 ± 2.471e−05
pull
Entries 54
Mean 125.5
Std Dev 0

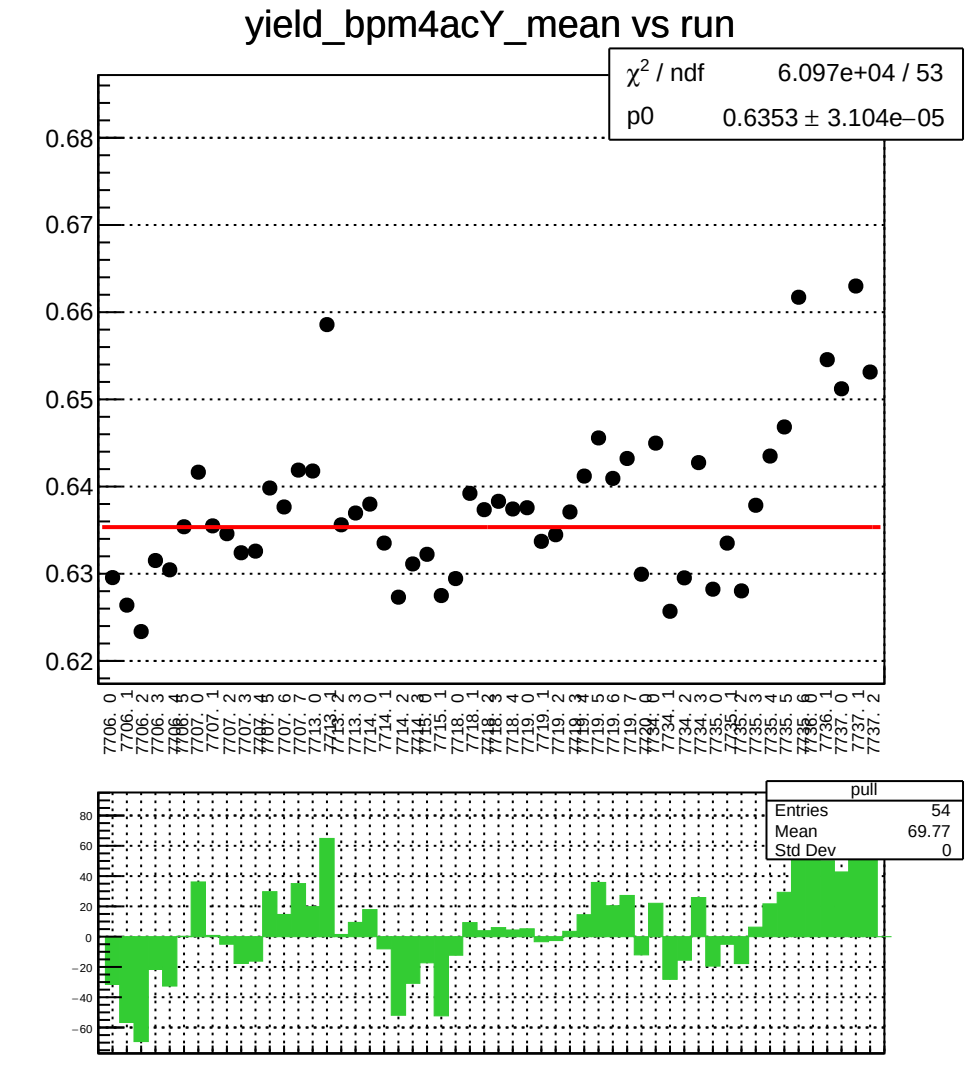

pull1D
Entries 54
Mean 0.5033
Std Dev 4.012

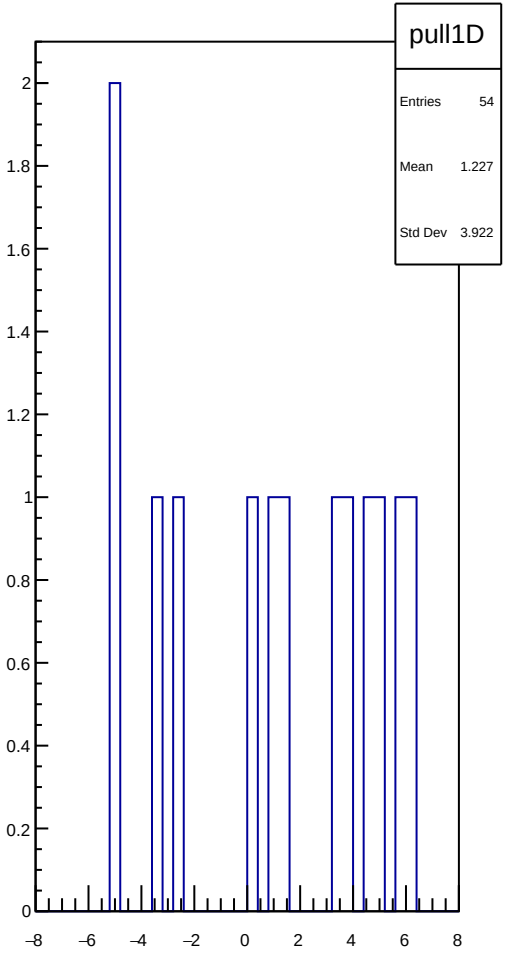

yield_bpm4eY_rms vs run
χ² / ndf 6.381e+04 / 53
p0 0.01745 ± 1.747e−05
0.035
0.03
0.025
0.02
0.015

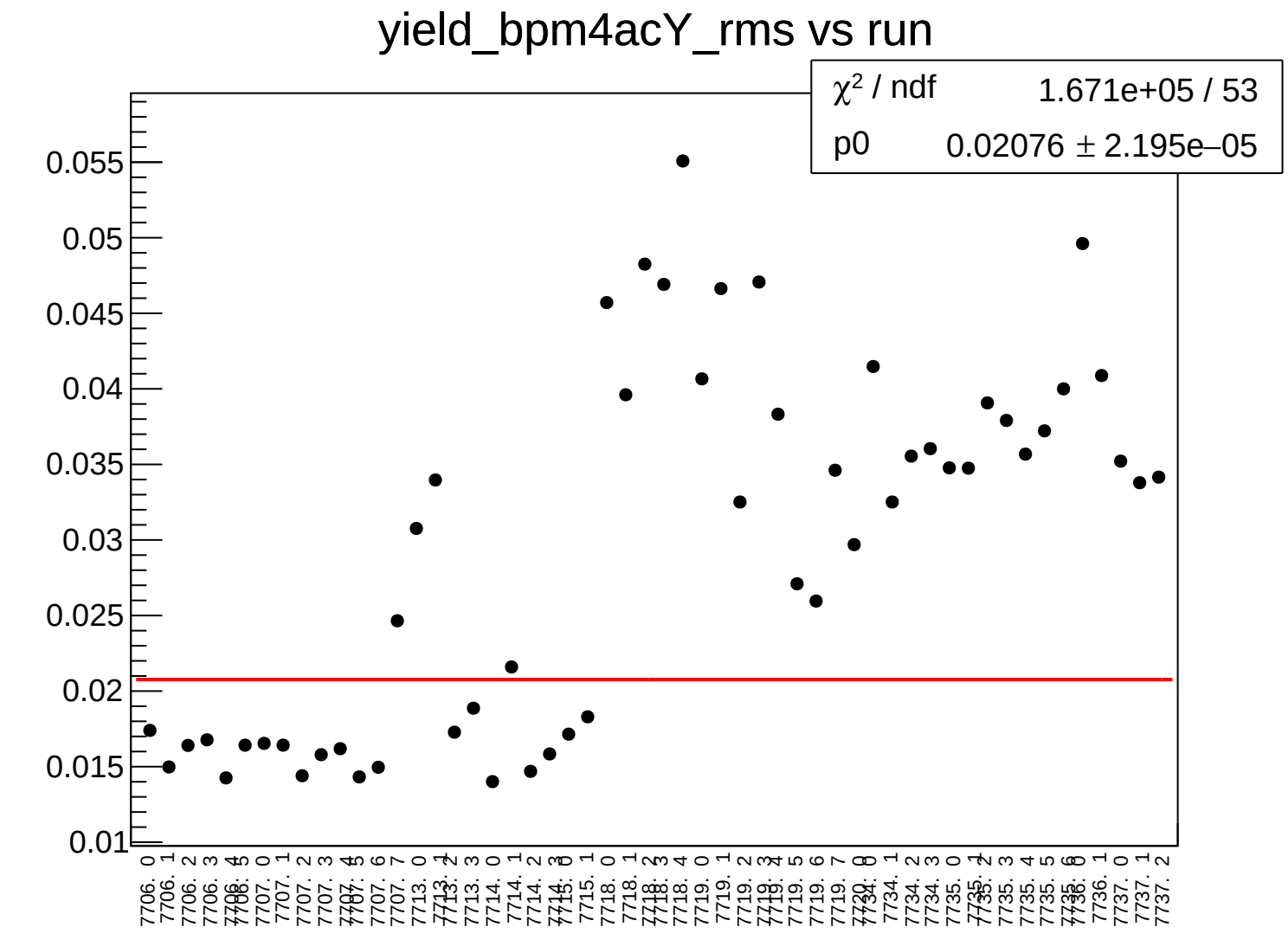

yield_bpm4acX_mean vs run
χ² / ndf 5.261e+04 / 53
p0 −0.9371 ± 6.874e−05
pull
Entries 54
Mean −29.36
Std Dev 0

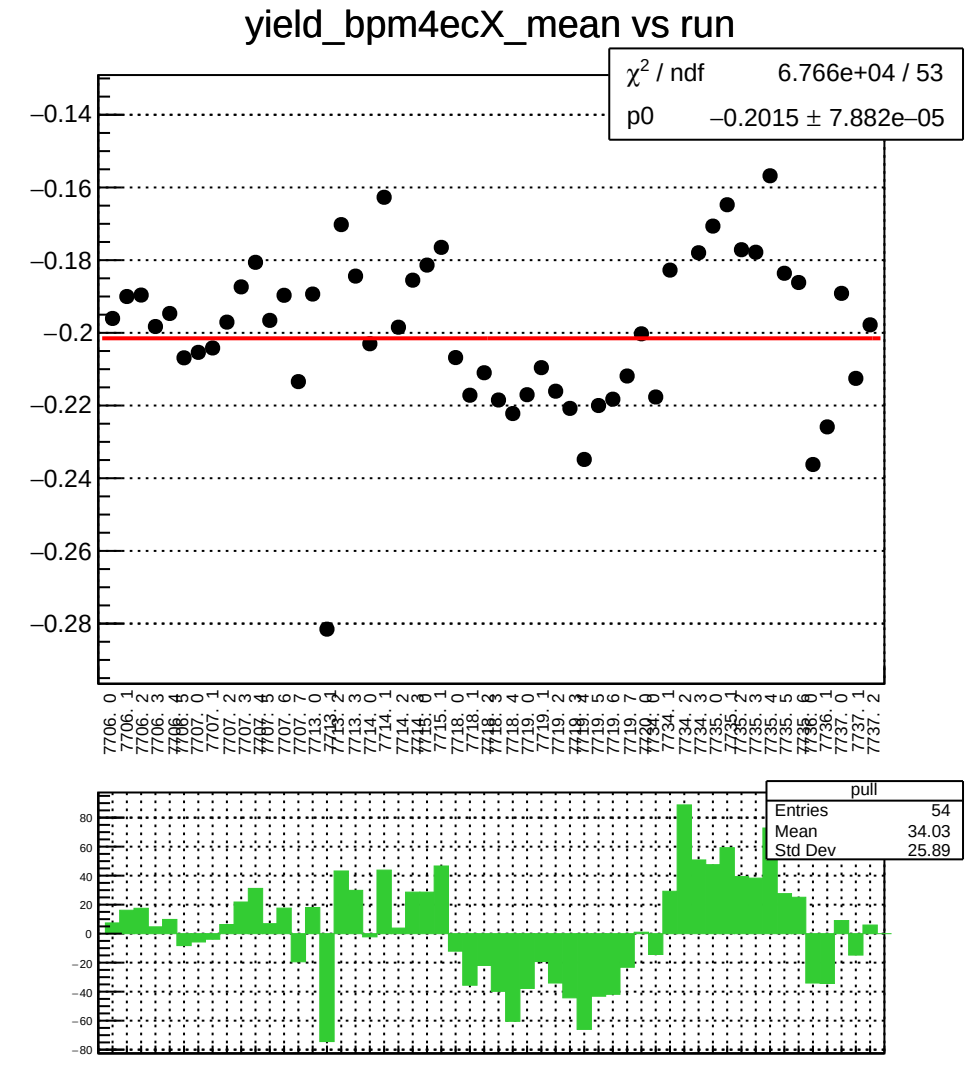

pull1D
Entries 54
Mean 0.2272
Std Dev 5.179

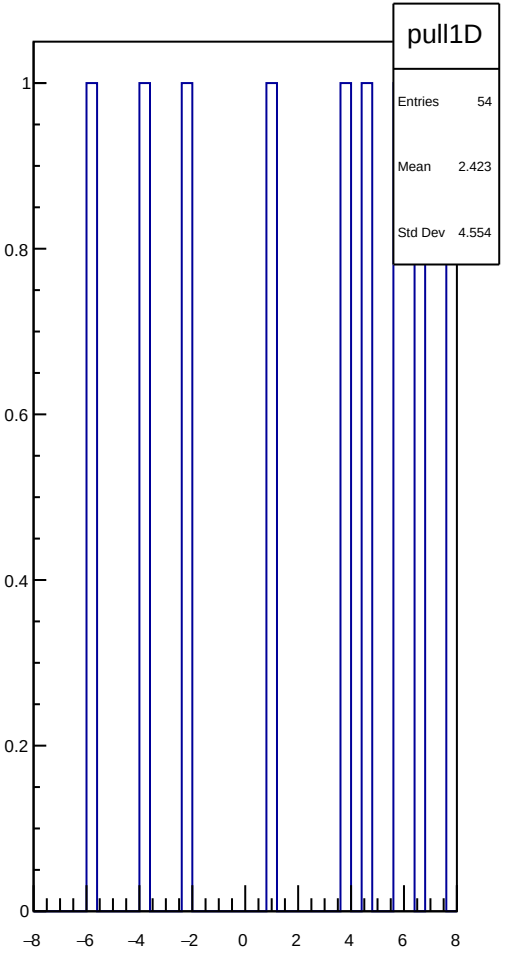

yield_bpm4acX_rms vs run
χ² / ndf 7.738e+04 / 53
p0 0.04823 ± 4.861e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

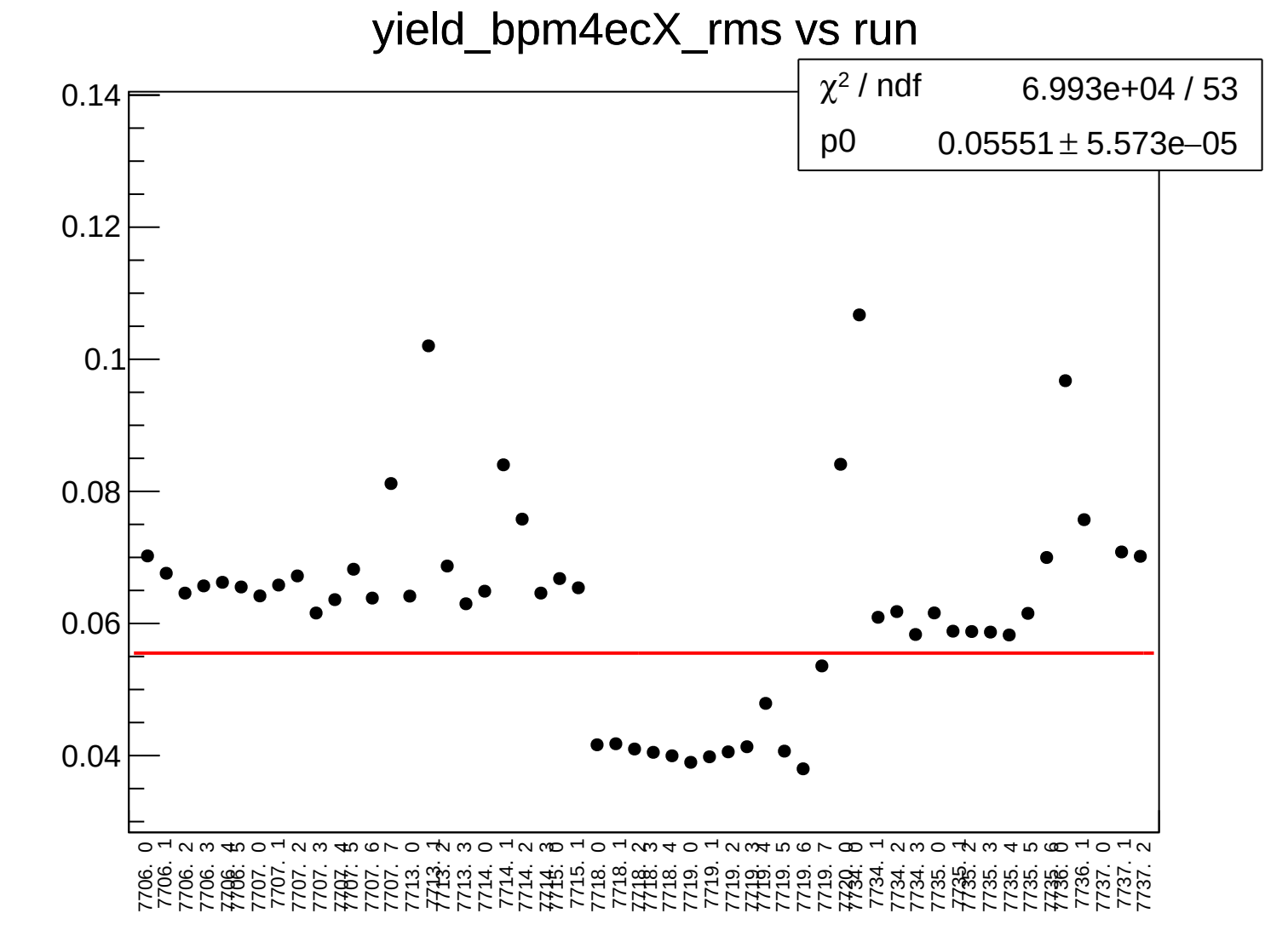

yield_bpm4acY_mean vs run
χ² / ndf 6.097e+04 / 53
p0 0.6353 ± 3.104e−05
0.68
0.67
0.66
0.65
0.64
0.63
0.62
pull
Entries 54
Mean 69.77
Std Dev 0
80
60
40
20
0
−20
−40
−60

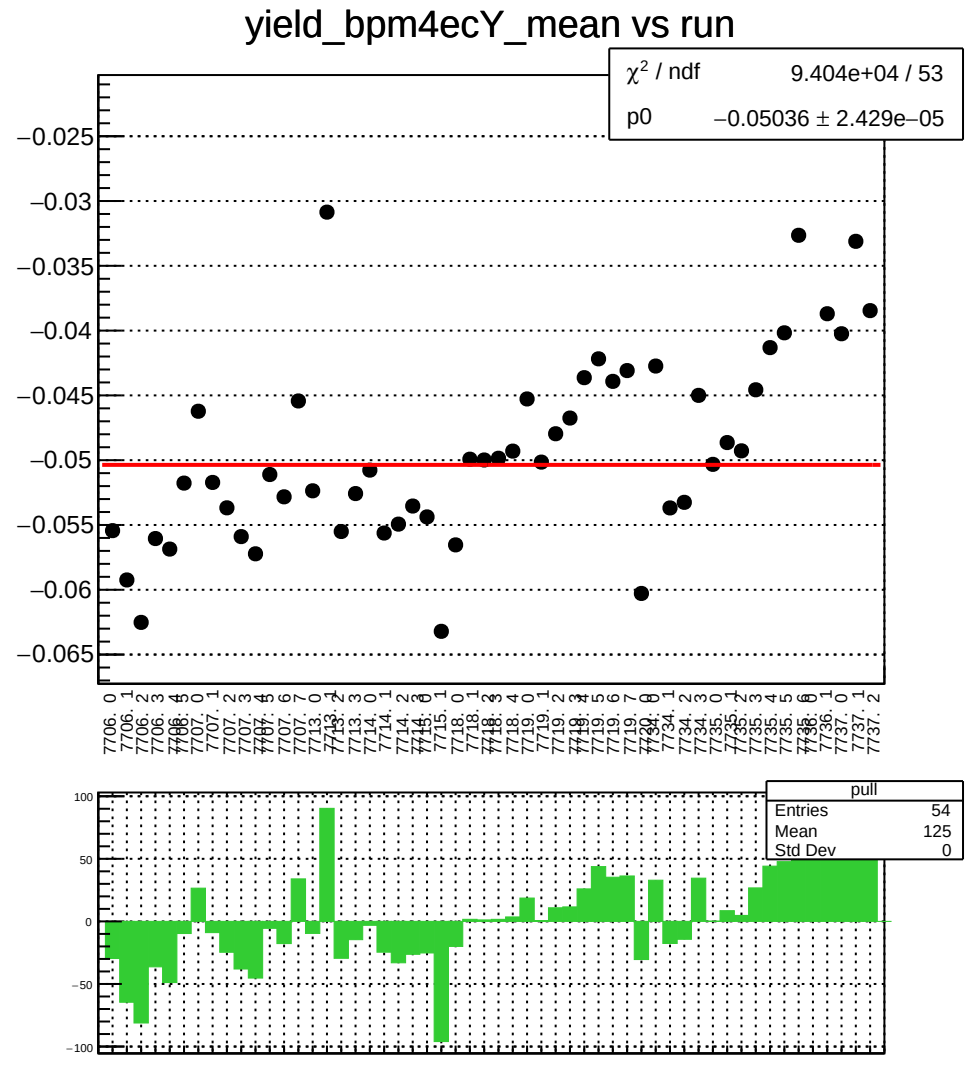

pull1D
Entries 54
Mean 1.227
Std Dev 3.922
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

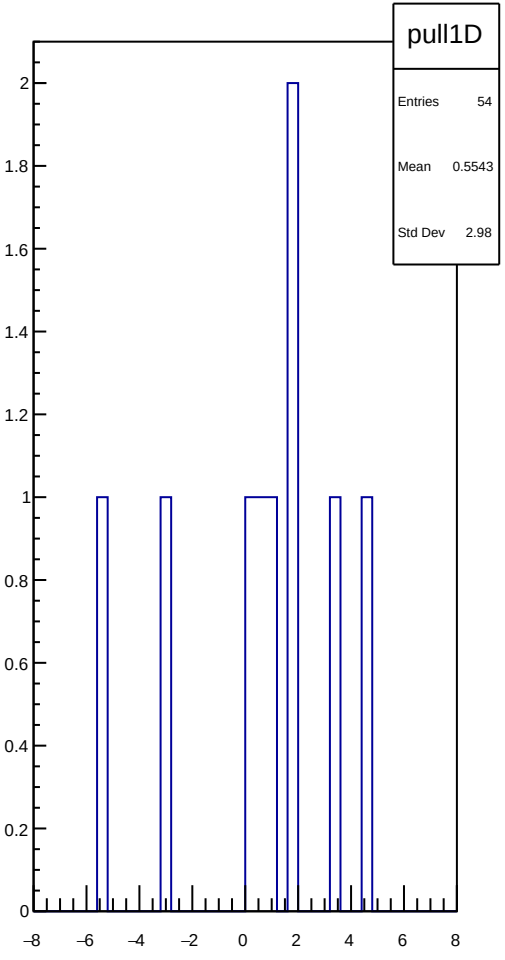

yield_bpm4acY_rms vs run
χ² / ndf 1.671e+05 / 53
p0 0.02076 ± 2.195e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

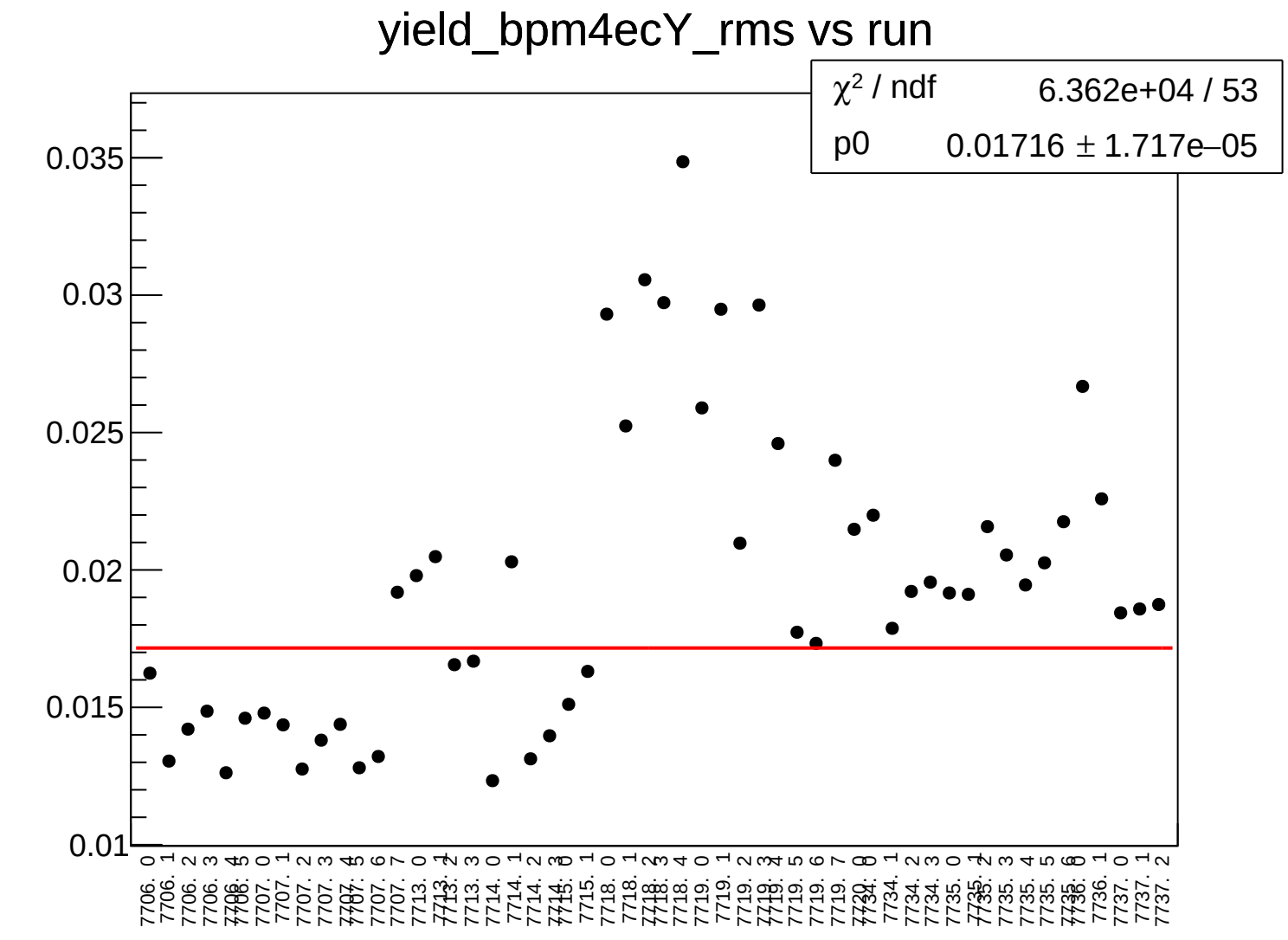

yield_bpm4ecX_mean vs run
χ² / ndf 6.766e+04 / 53
p0 −0.2015 ± 7.882e−05
pull
Entries 54
Mean 34.03
Std Dev 25.89

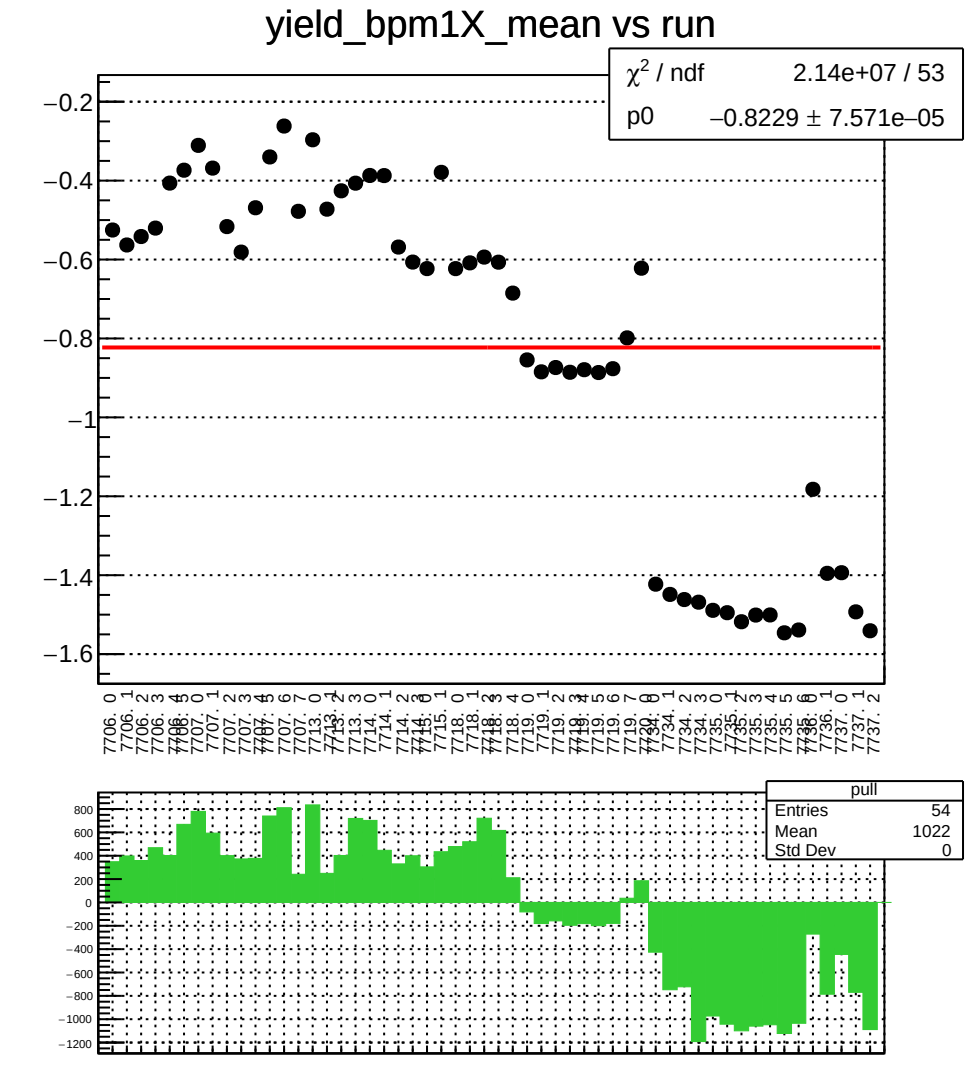

pull1D
Entries 54
Mean 2.423
Std Dev 4.554

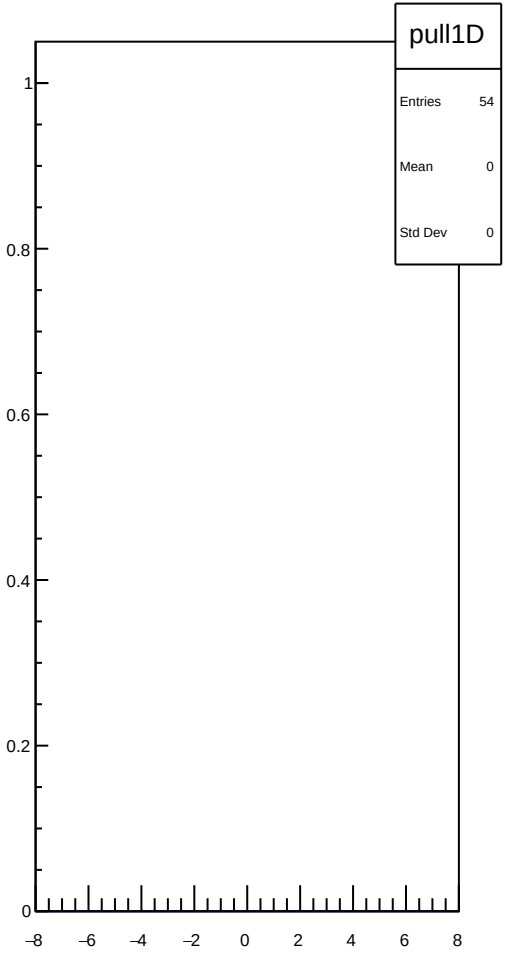

yield_bpm4ecX_rms vs run
χ² / ndf 6.993e+04 / 53
p0 0.05551 ± 5.573e–05
0.14
0.12
0.1
0.08
0.06
0.04

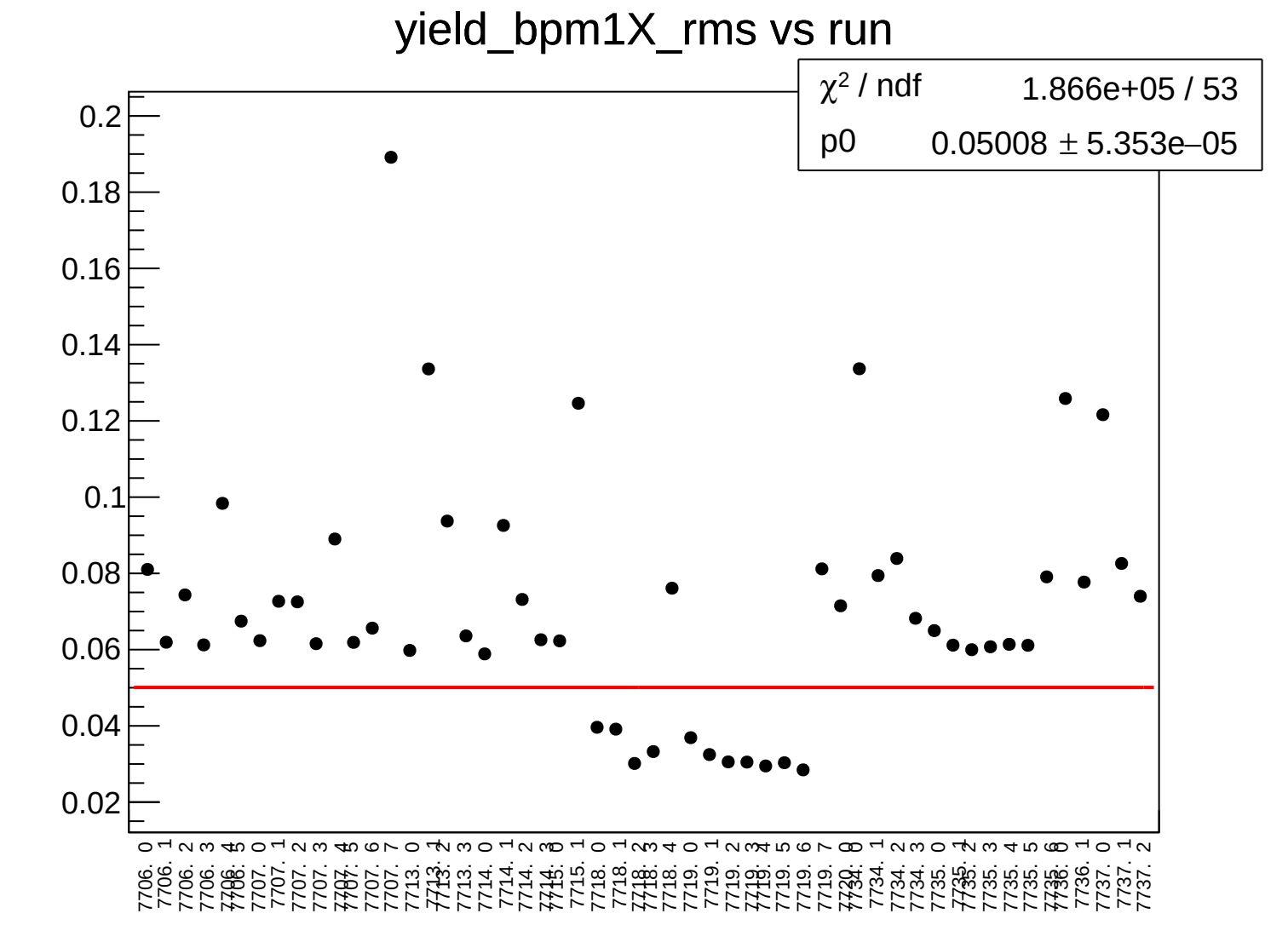

yield_bpm4ecY_mean vs run
χ² / ndf 9.404e+04 / 53
p0 −0.05036 ± 2.429e−05
pull
Entries 54
Mean 125
Std Dev 0

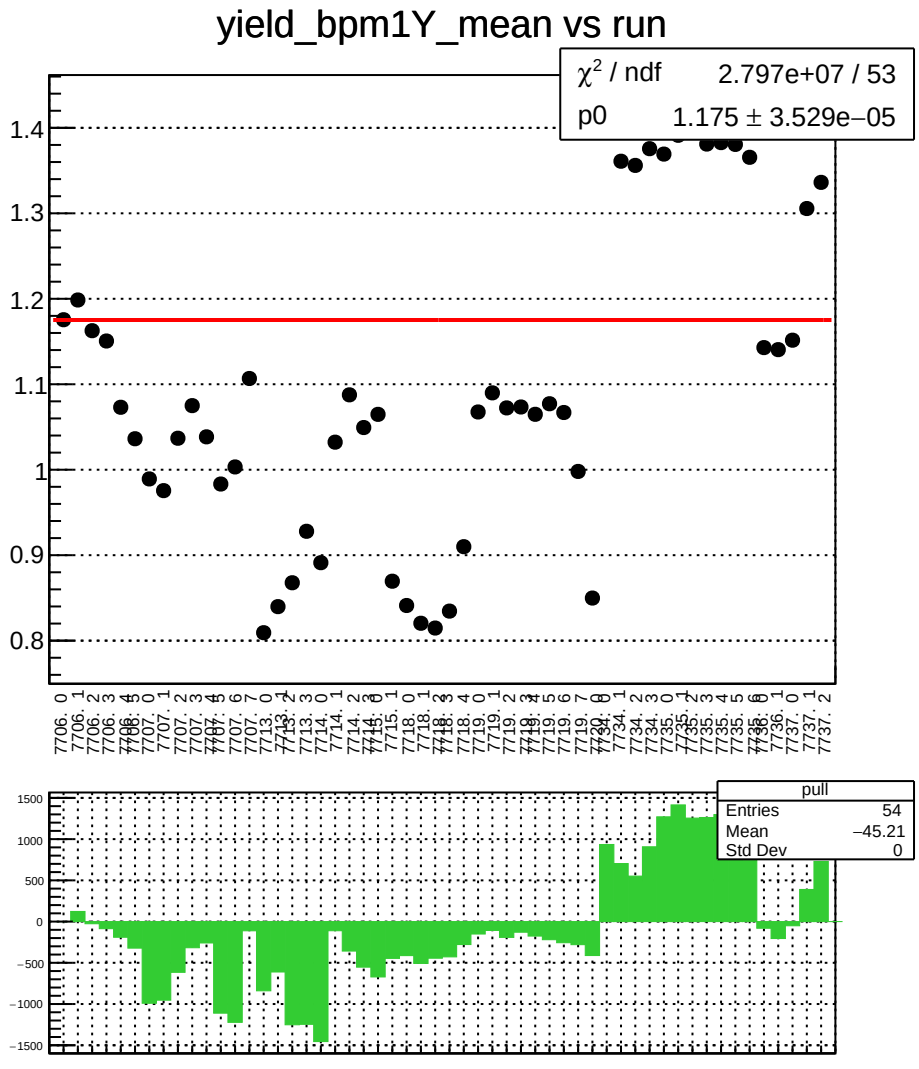

pull1D
Entries 54
Mean 0.5543
Std Dev 2.98

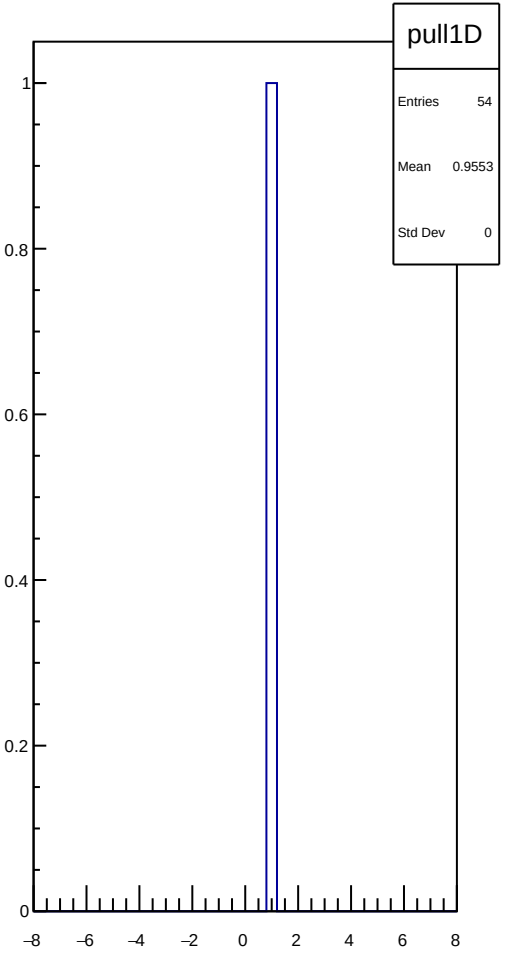

yield_bpm4ecY_rms vs run
χ² / ndf 6.362e+04 / 53
p0 0.01716 ± 1.717e–05
0.035
0.03
0.025
0.02
0.015
0.01

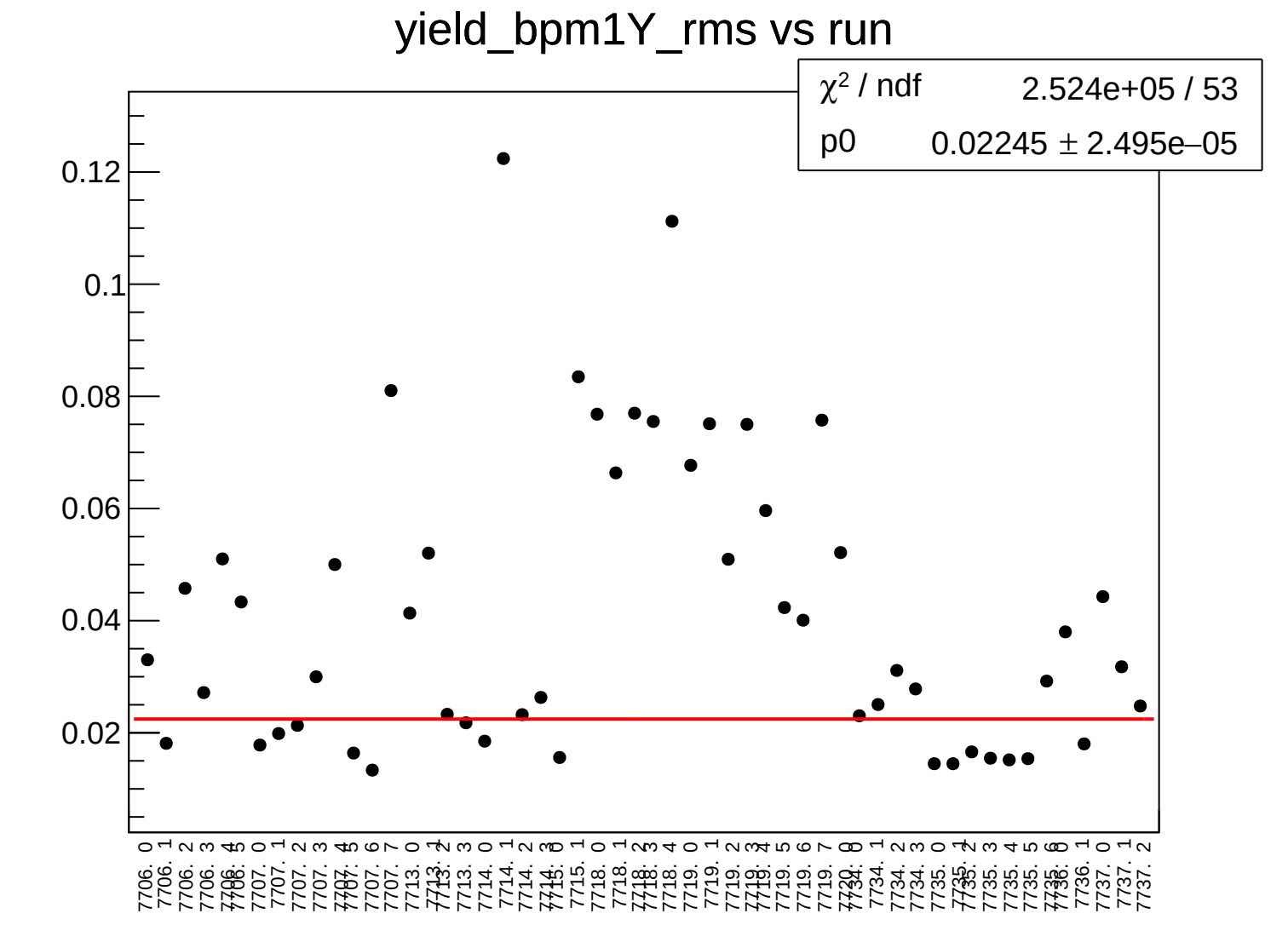

yield_bpm1X_mean vs run
χ² / ndf 2.14e+07 / 53
p0 −0.8229 ± 7.571e−05
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 54
Mean 1022
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

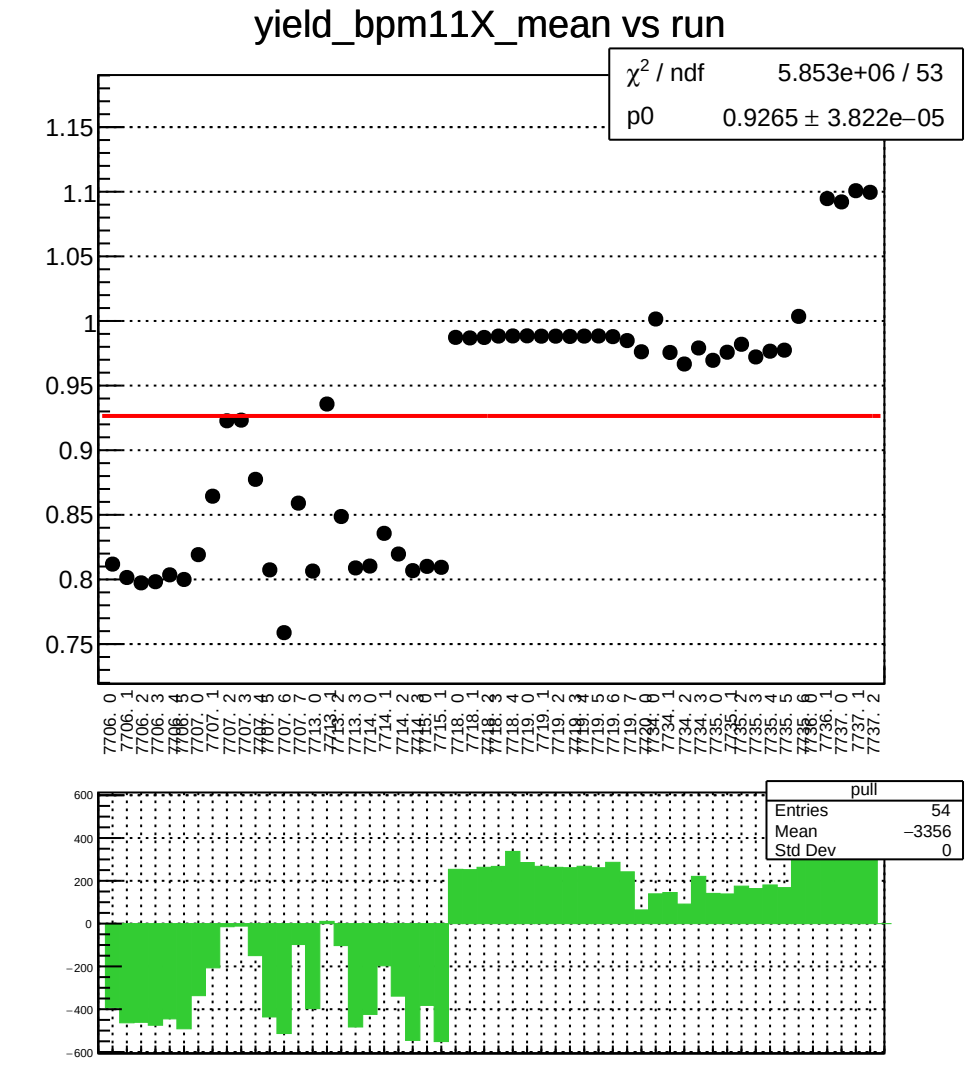

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

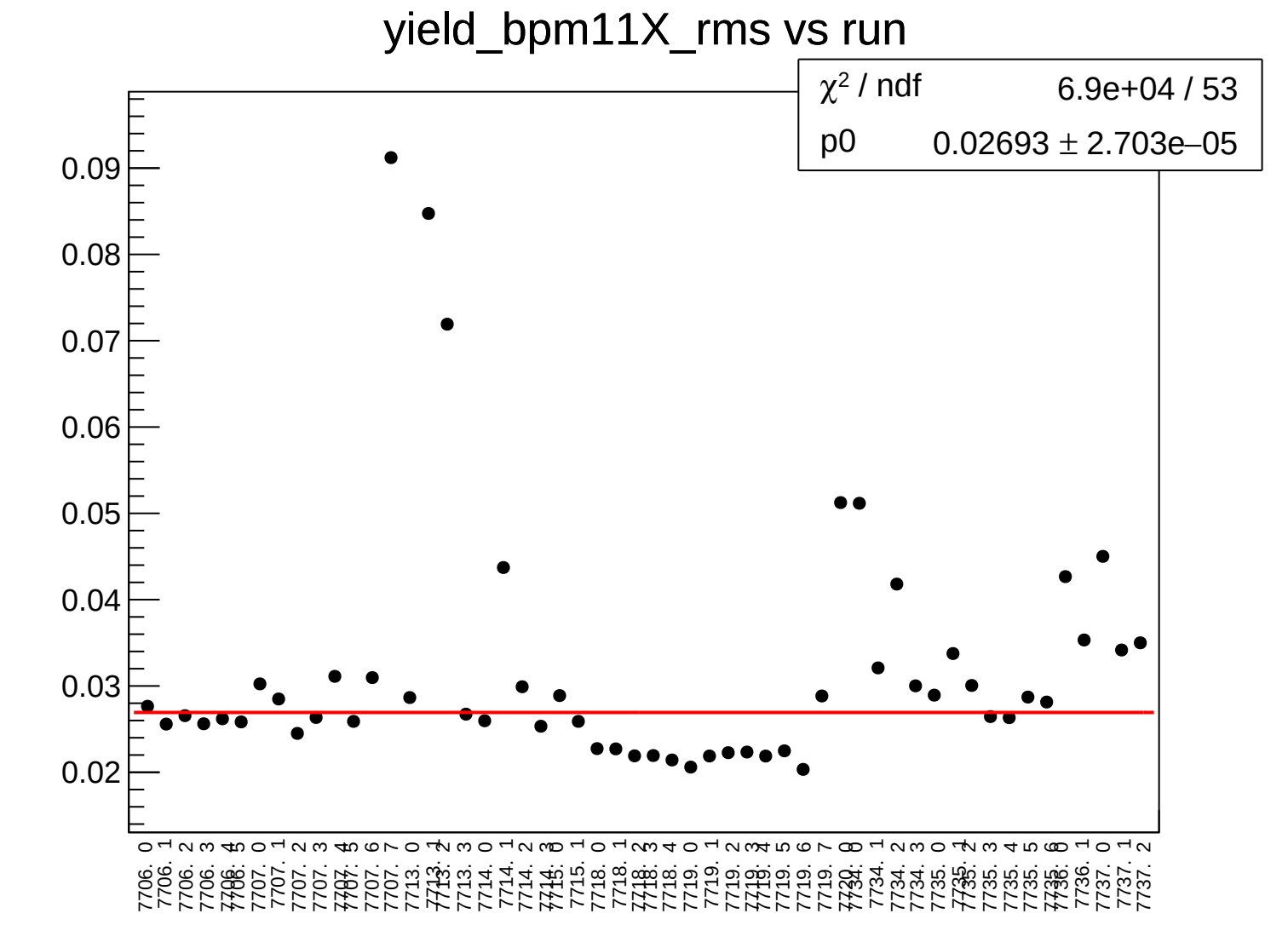

yield_bpm1X_rms vs run
χ² / ndf 1.866e+05 / 53
p0 0.05008 ± 5.353e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

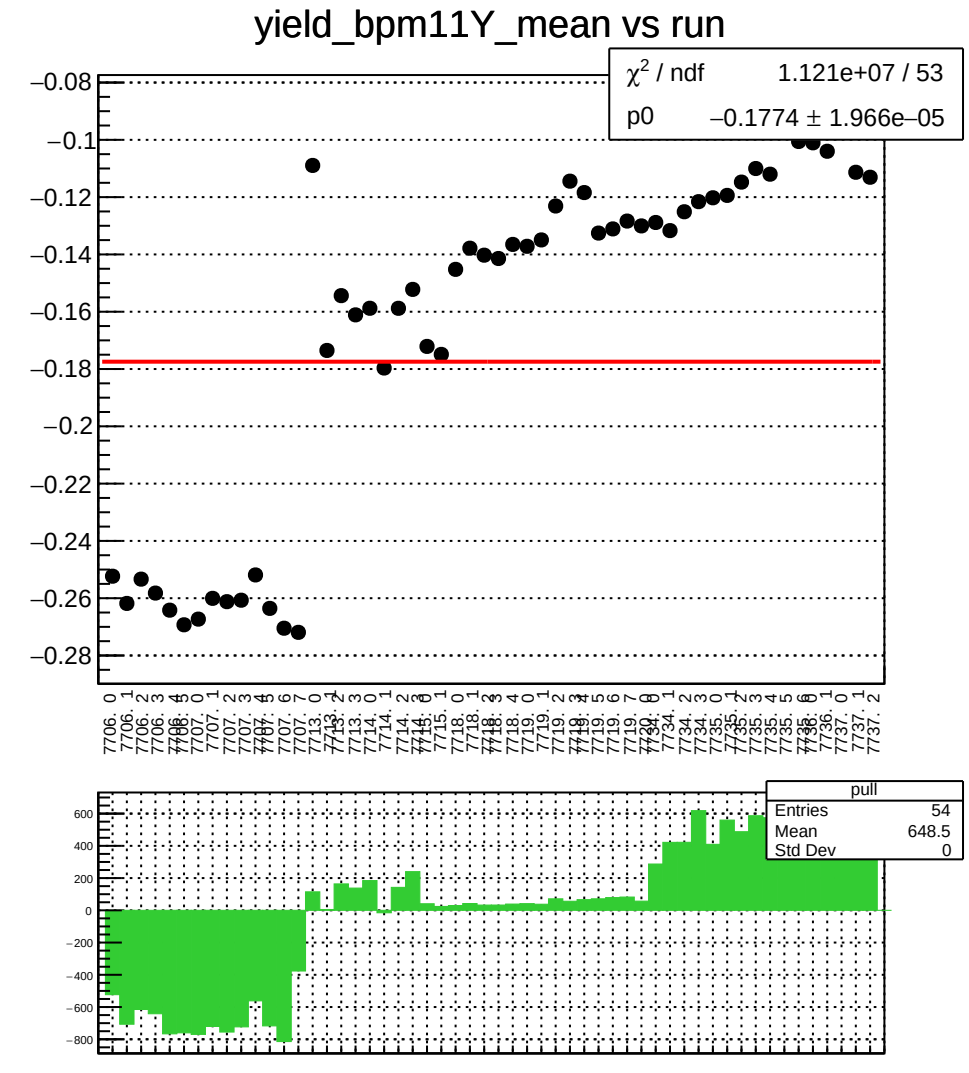

yield_bpm1Y_mean vs run
χ² / ndf 2.797e+07 / 53
p0 1.175 ± 3.529e−05
pull
Entries 54
Mean −45.21
Std Dev 0

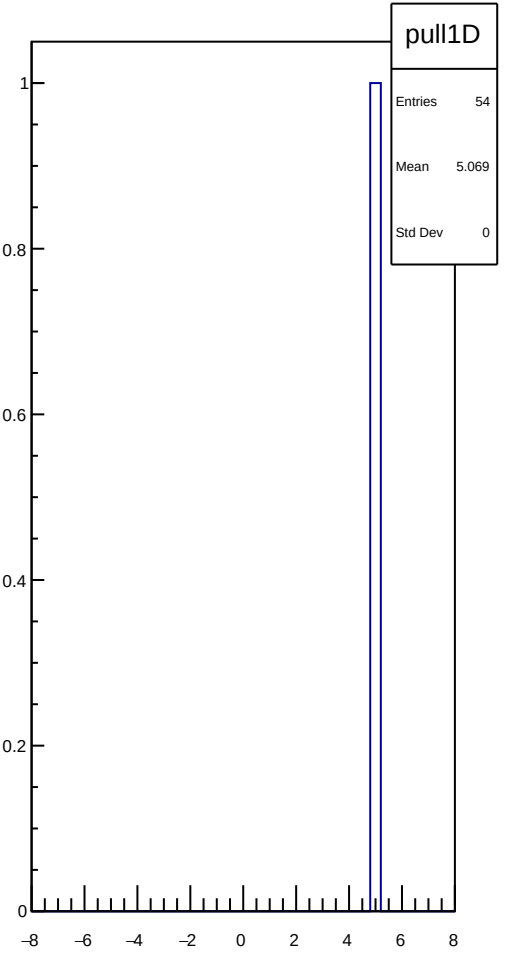

pull1D
Entries 54
Mean 0.9553
Std Dev 0

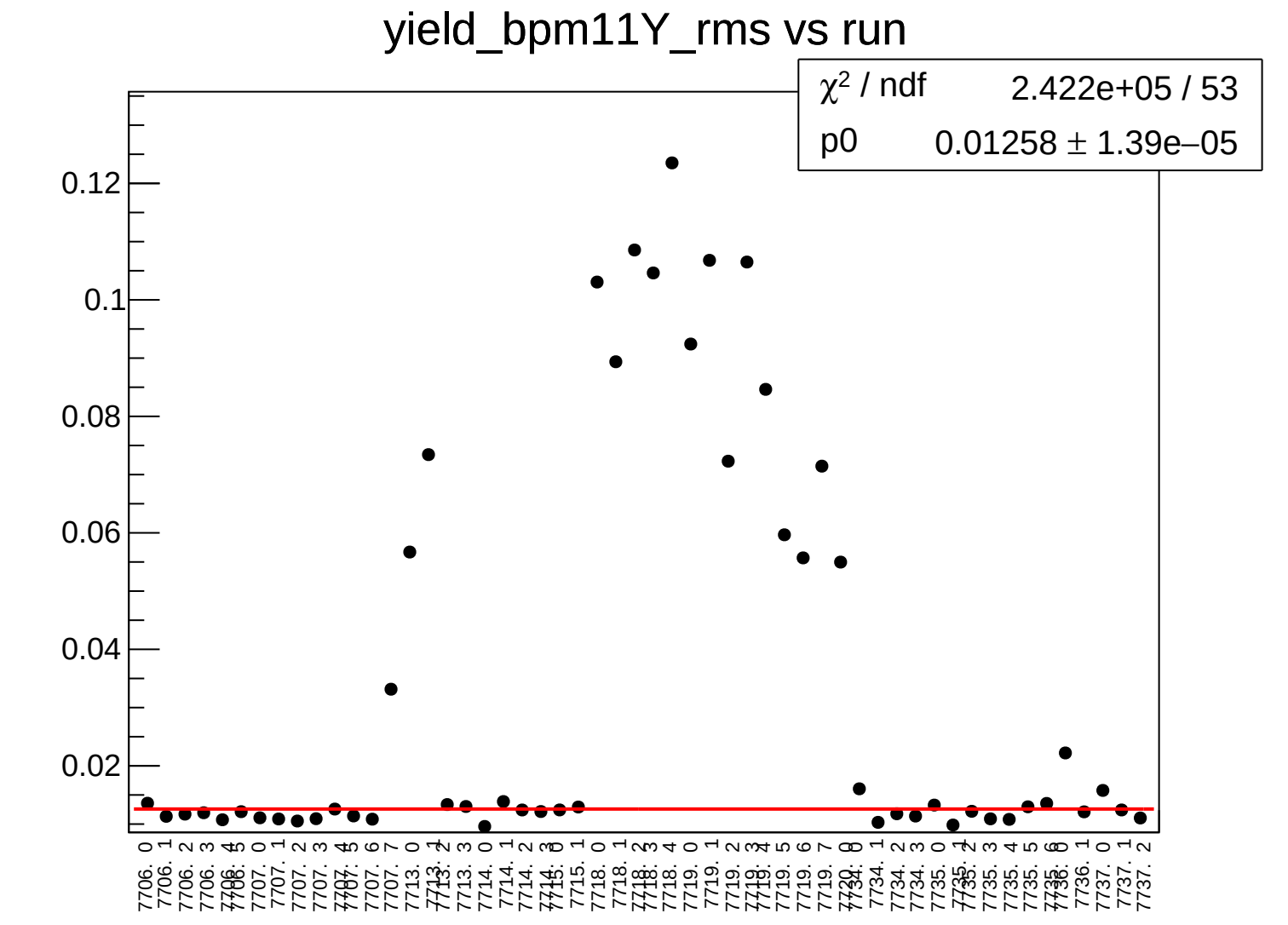

yield_bpm1Y_rms vs run
χ² / ndf 2.524e+05 / 53
p0 0.02245 ± 2.495e–05
0.12
0.1
0.08
0.06
0.04
0.02

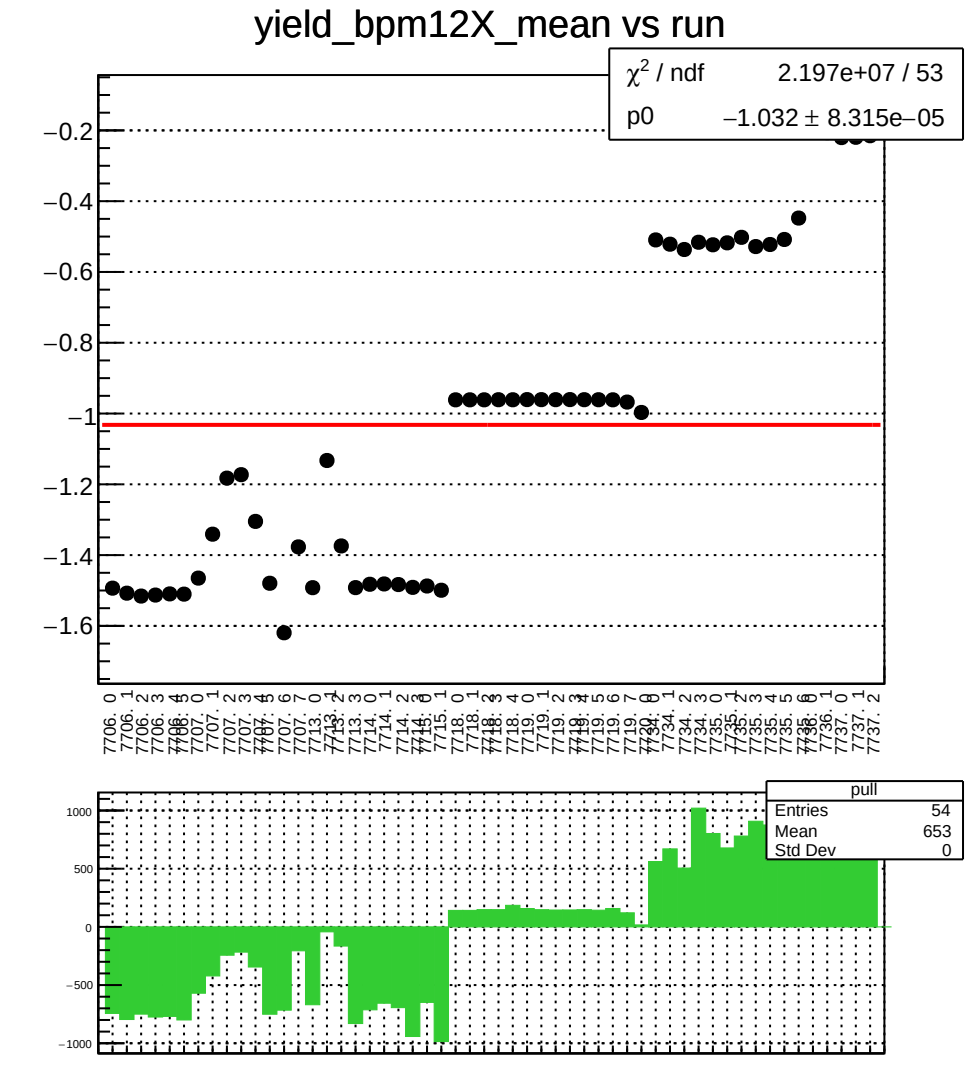

yield_bpm11X_mean vs run
χ² / ndf 5.853e+06 / 53
p0 0.9265 ± 3.822e−05
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −3356
Std Dev 0
600
400
200
0
−200
−400
−600
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

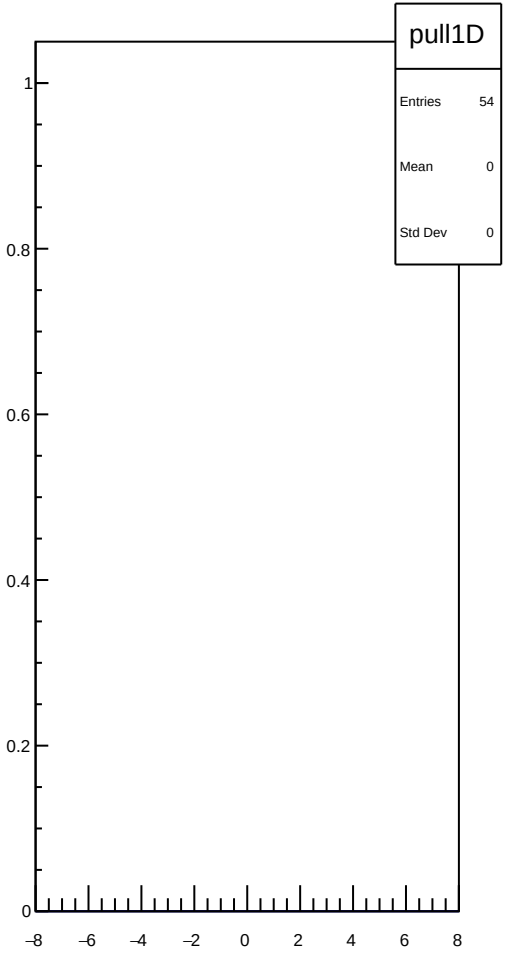

yield_bpm11X_rms vs run
χ² / ndf 6.9e+04 / 53
p0 0.02693 ± 2.703e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

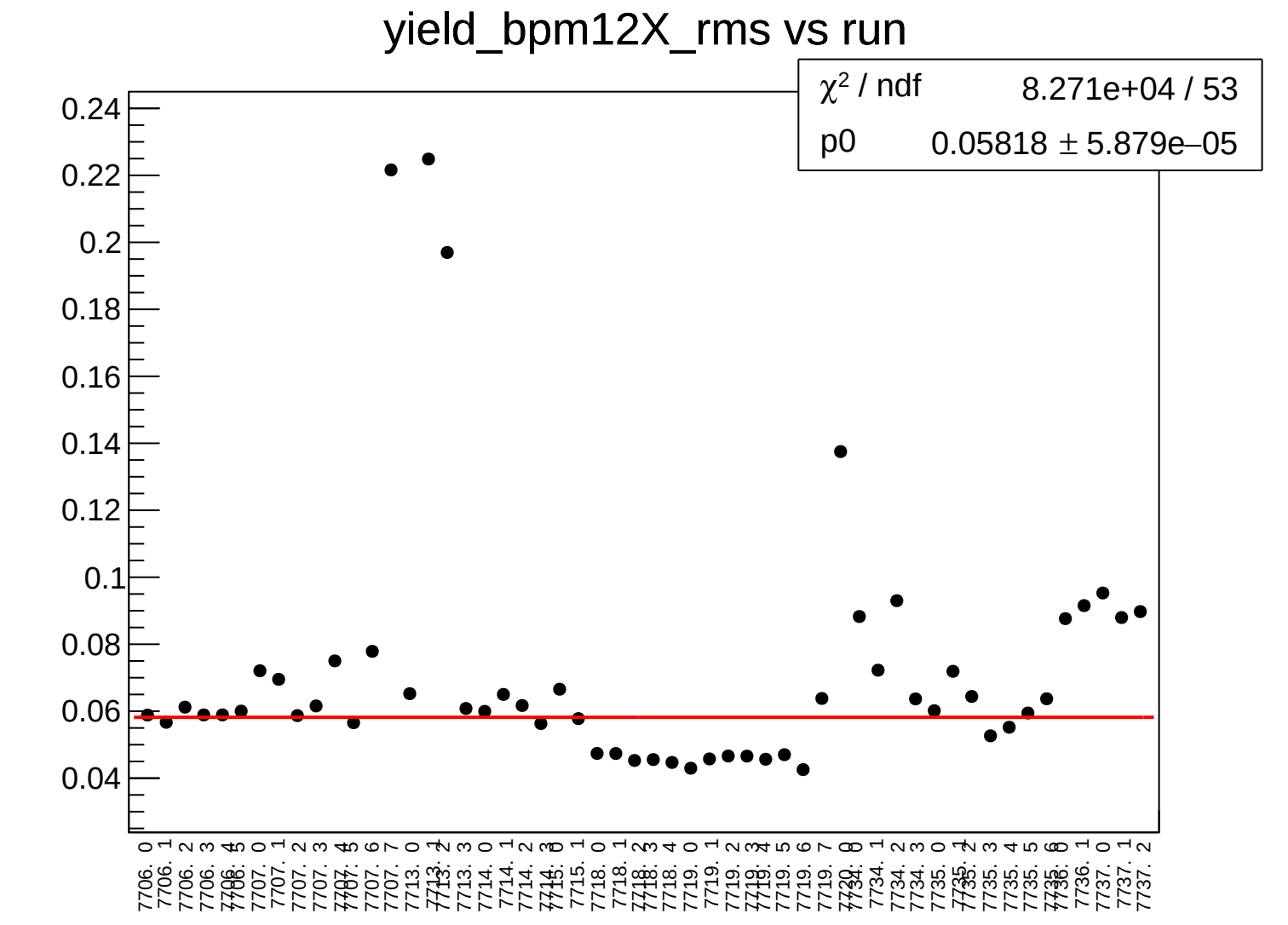

yield_bpm11Y_mean vs run
χ² / ndf 1.121e+07 / 53
p0 −0.1774 ± 1.966e−05
pull
Entries 54
Mean 648.5
Std Dev 0

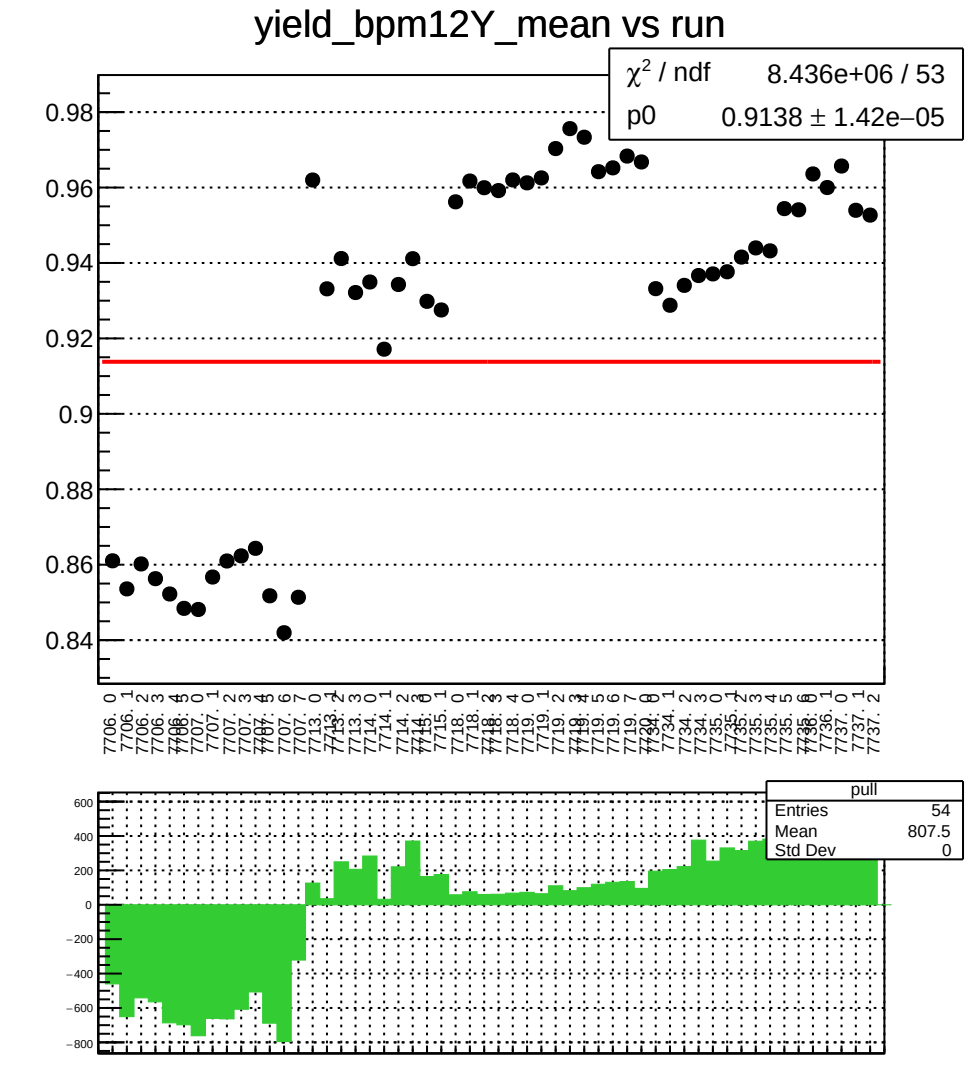

pull1D
Entries 54
Mean 5.069
Std Dev 0

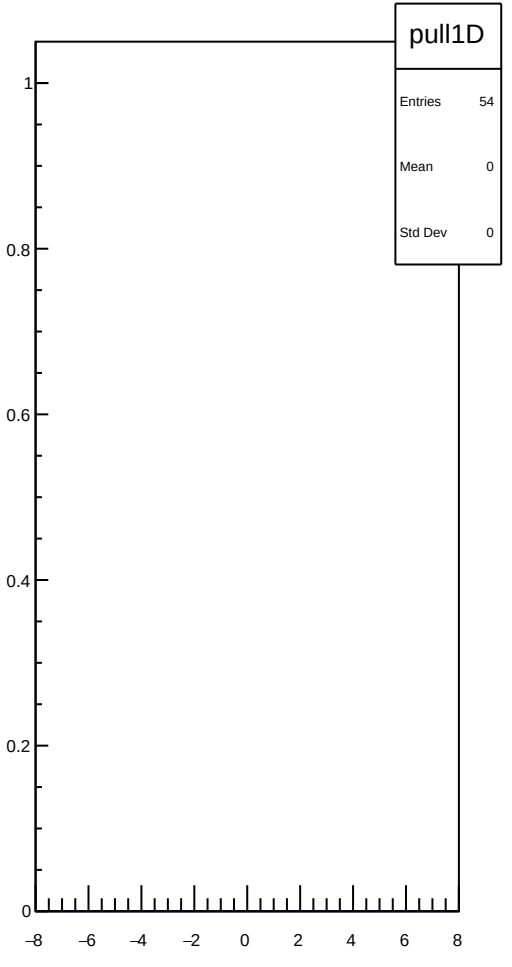

yield_bpm11Y_rms vs run
χ² / ndf 2.422e+05 / 53
p0 0.01258 ± 1.39e−05
0.12
0.1
0.08
0.06
0.04
0.02

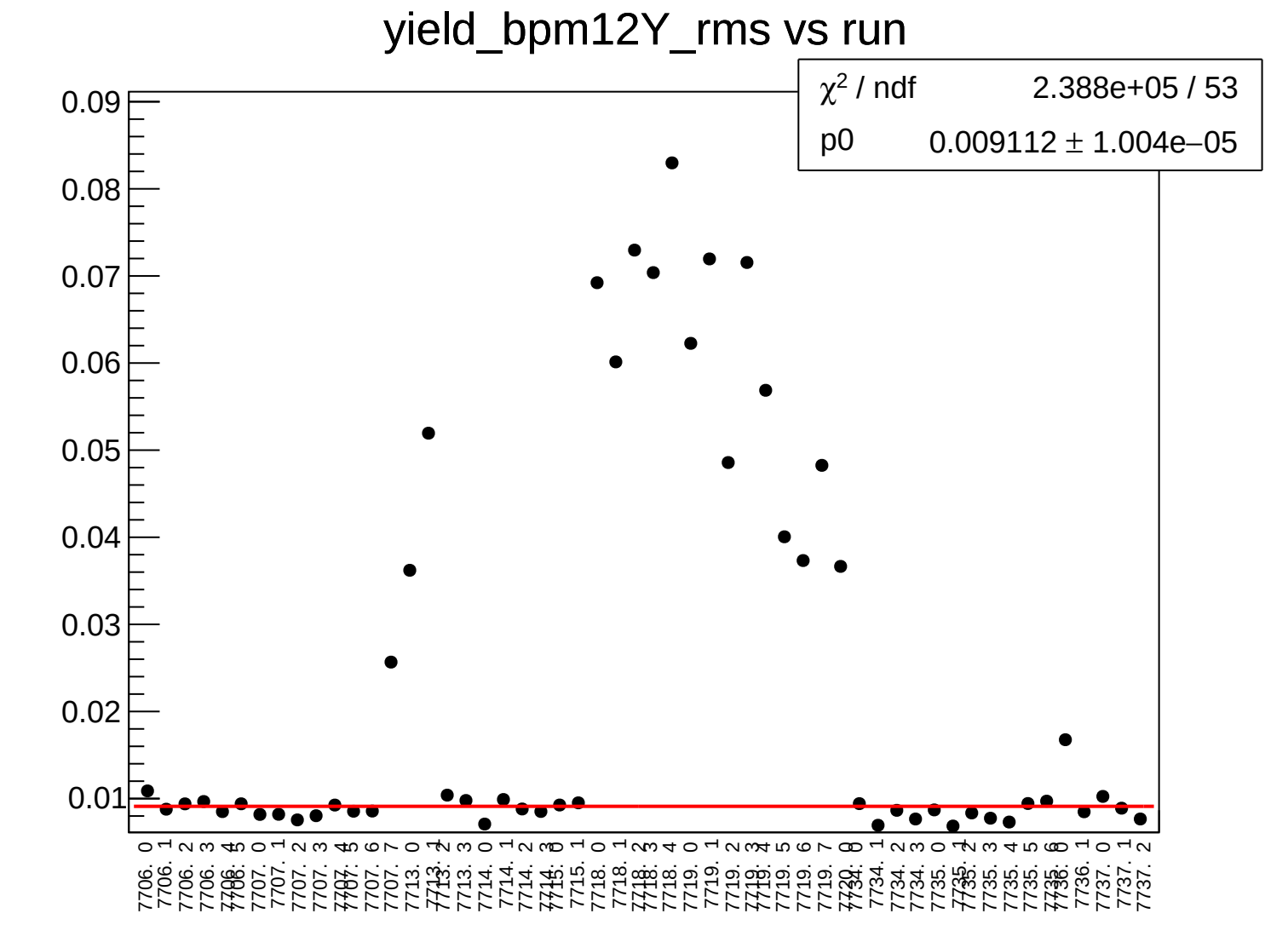

yield_bpm12X_mean vs run
χ² / ndf 2.197e+07 / 53
p0 −1.032 ± 8.315e−05
pull
Entries 54
Mean 653
Std Dev 0

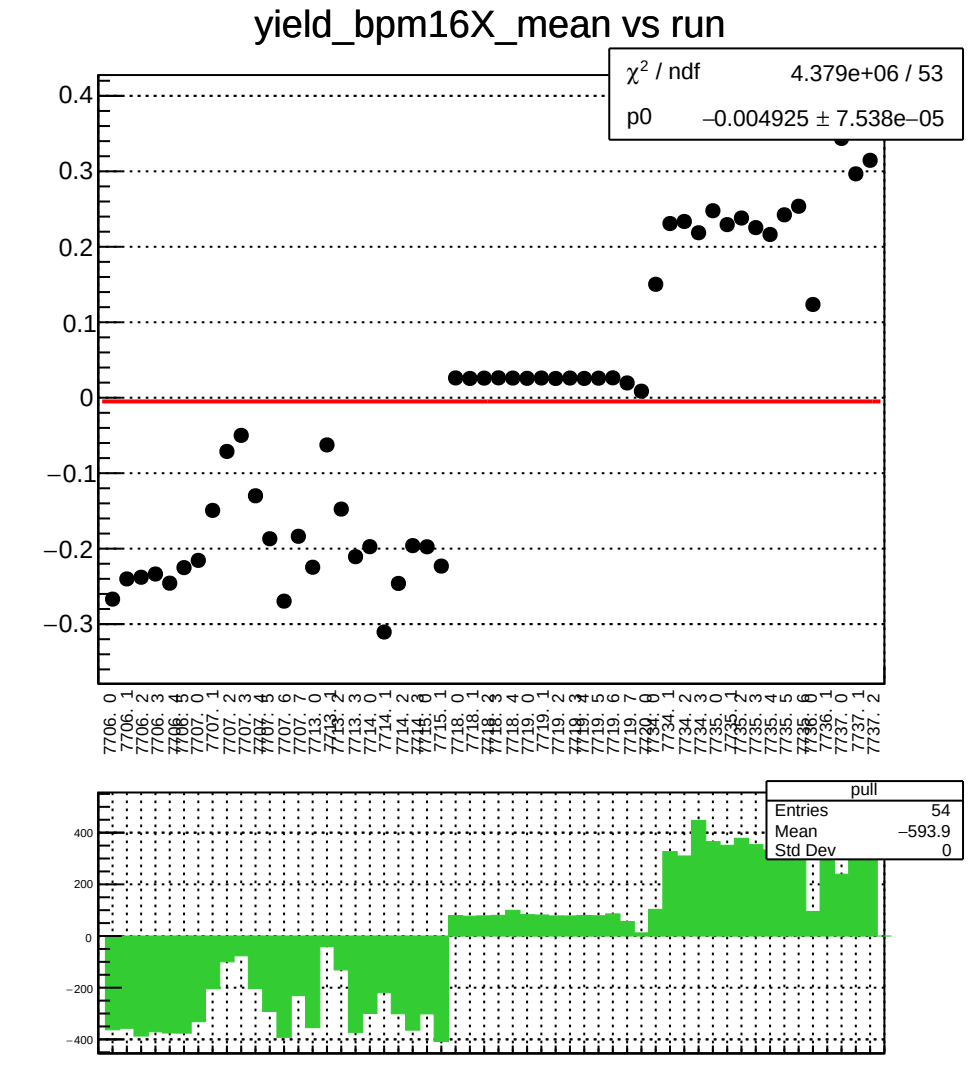

pull1D
Entries 54
Mean 0
Std Dev 0

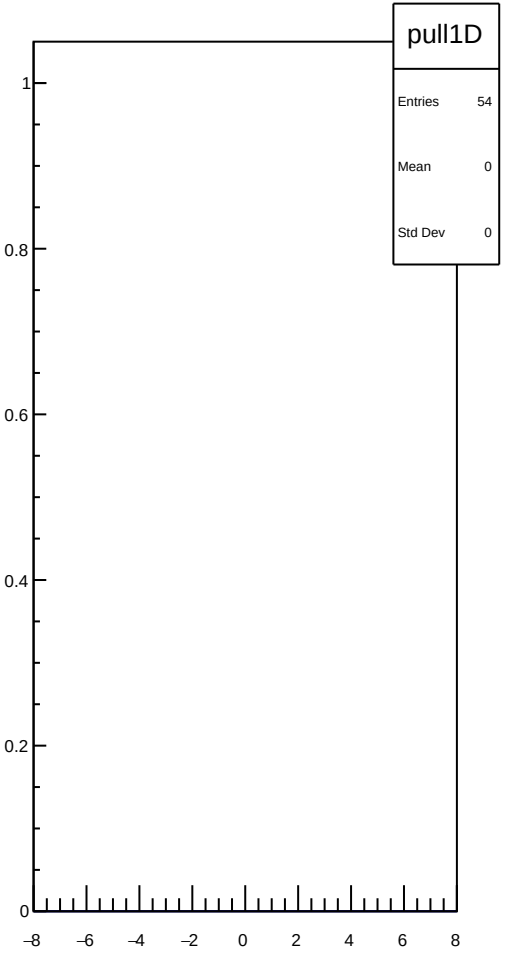

yield_bpm12X_rms vs run
χ² / ndf 8.271e+04 / 53
p0 0.05818 ± 5.879e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

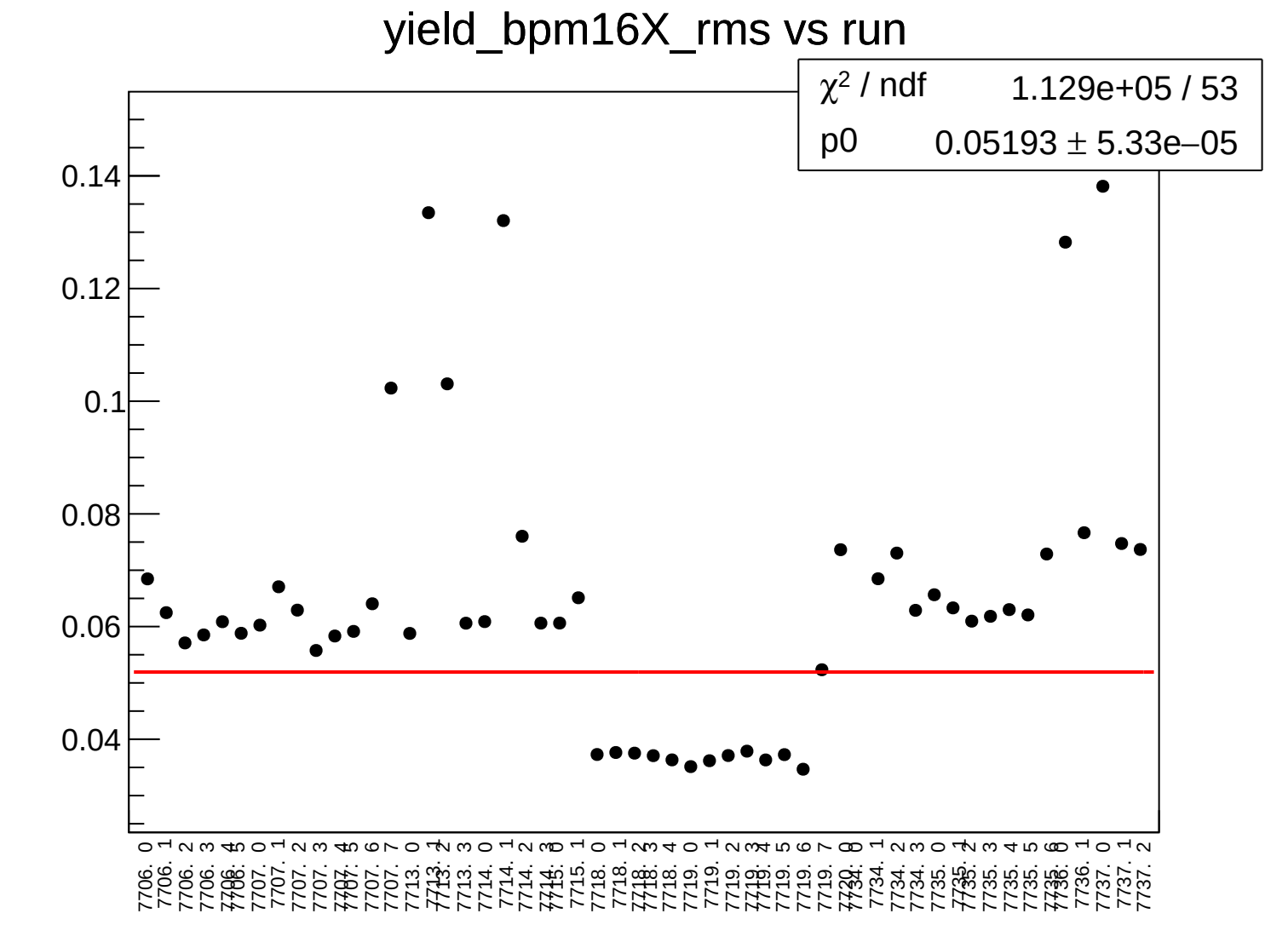

yield_bpm12Y_mean vs run
χ² / ndf 8.436e+06 / 53
p0 0.9138 ± 1.42e−05
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
pull
Entries 54
Mean 807.5
Std Dev 0
600
400
200
0
−200
−400
−600
−800

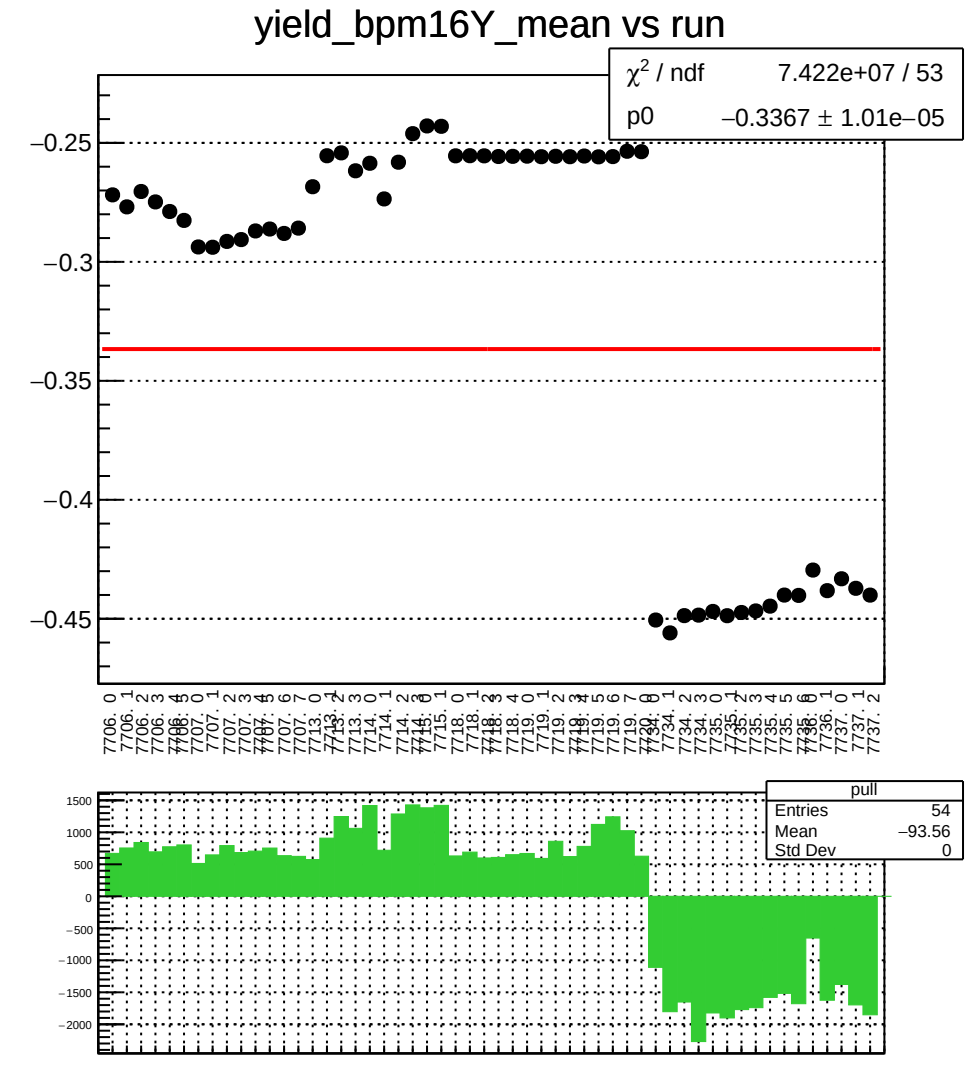

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

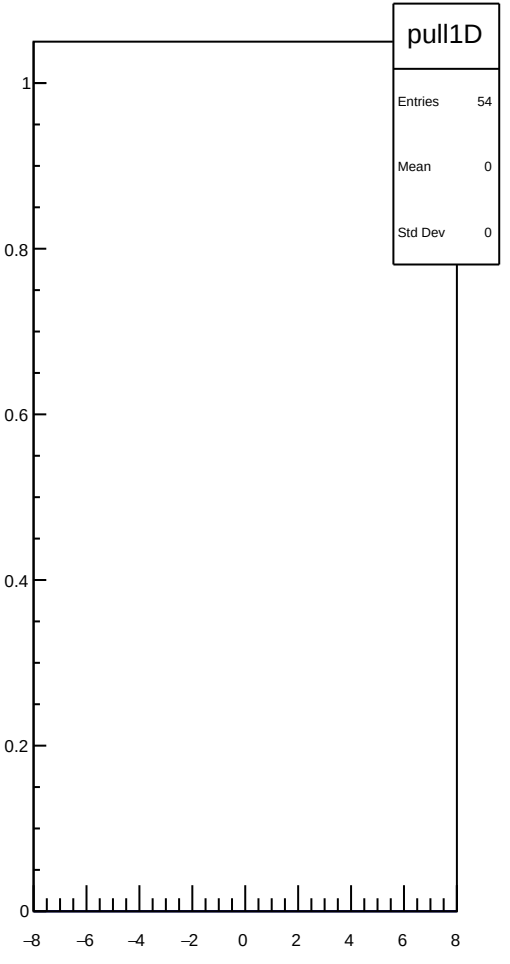

yield_bpm12Y_rms vs run
χ² / ndf 2.388e+05 / 53
p0 0.009112 ± 1.004e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

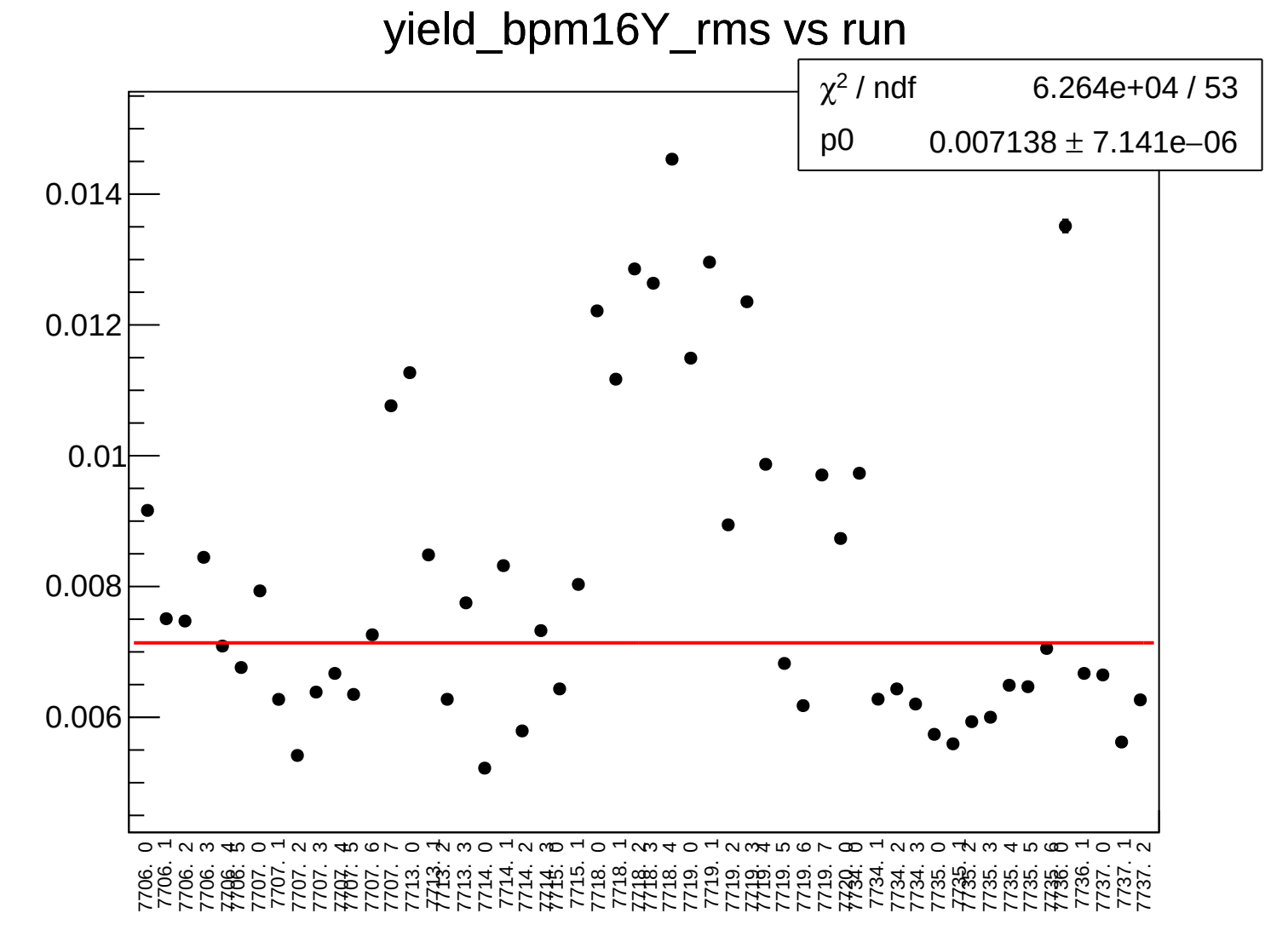

yield_bpm16X_mean vs run
χ² / ndf 4.379e+06 / 53
p0 −0.004925 ± 7.538e−05
pull
Entries 54
Mean −593.9
Std Dev 0

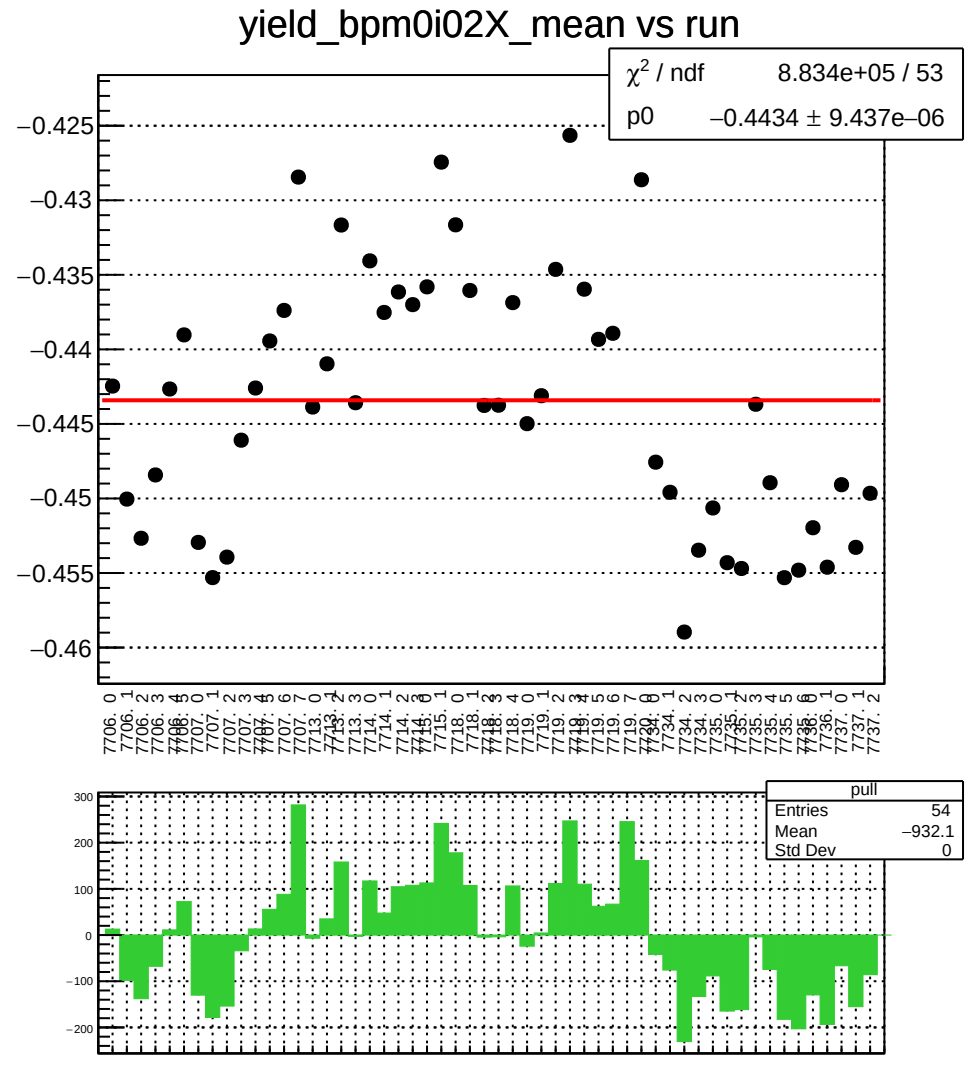

pull1D
Entries 54
Mean 0
Std Dev 0

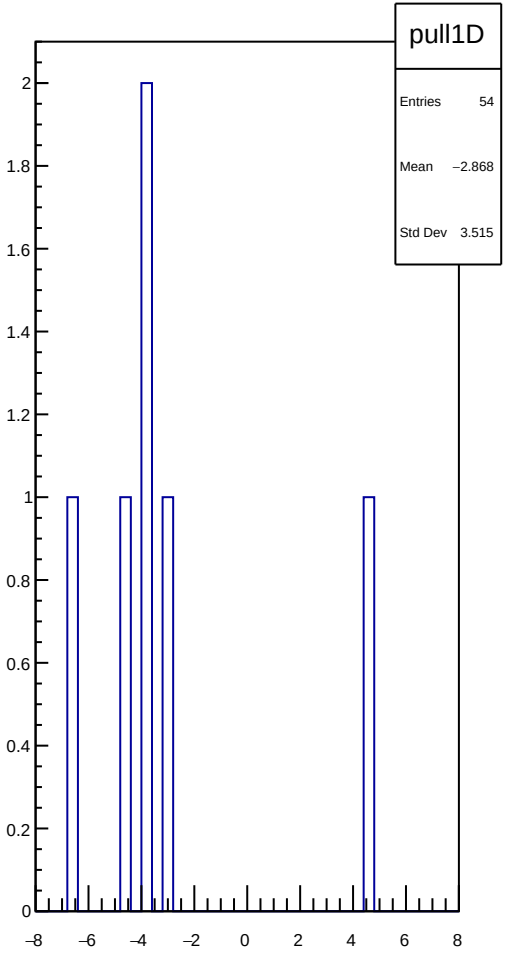

yield_bpm16X_rms vs run
χ² / ndf 1.129e+05 / 53
p0 0.05193 ± 5.33e−05
0.14
0.12
0.1
0.08
0.06
0.04

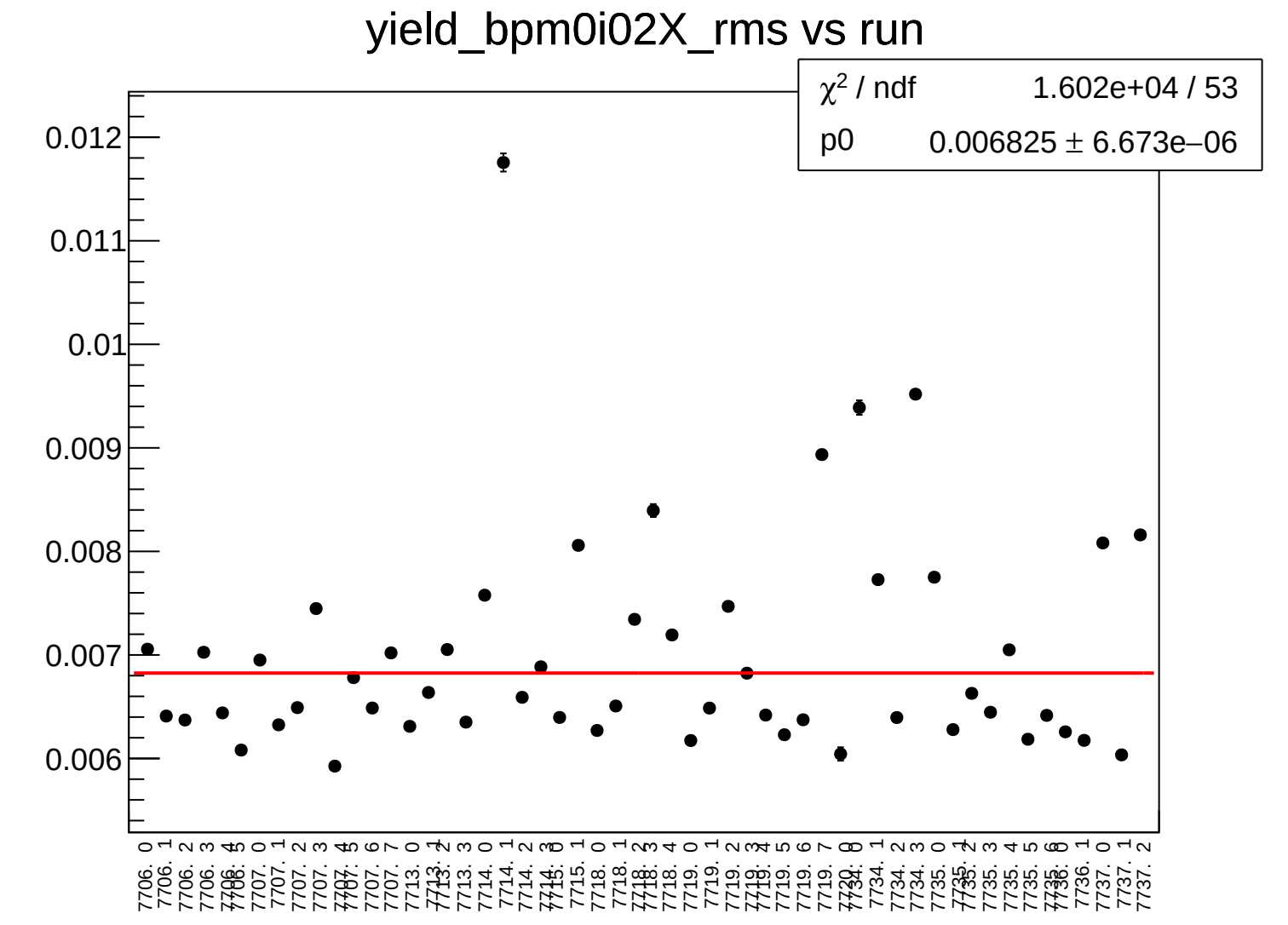

yield_bpm16Y_mean vs run
χ² / ndf 7.422e+07 / 53
p0 −0.3367 ± 1.01e−05
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 54
Mean −93.56
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000

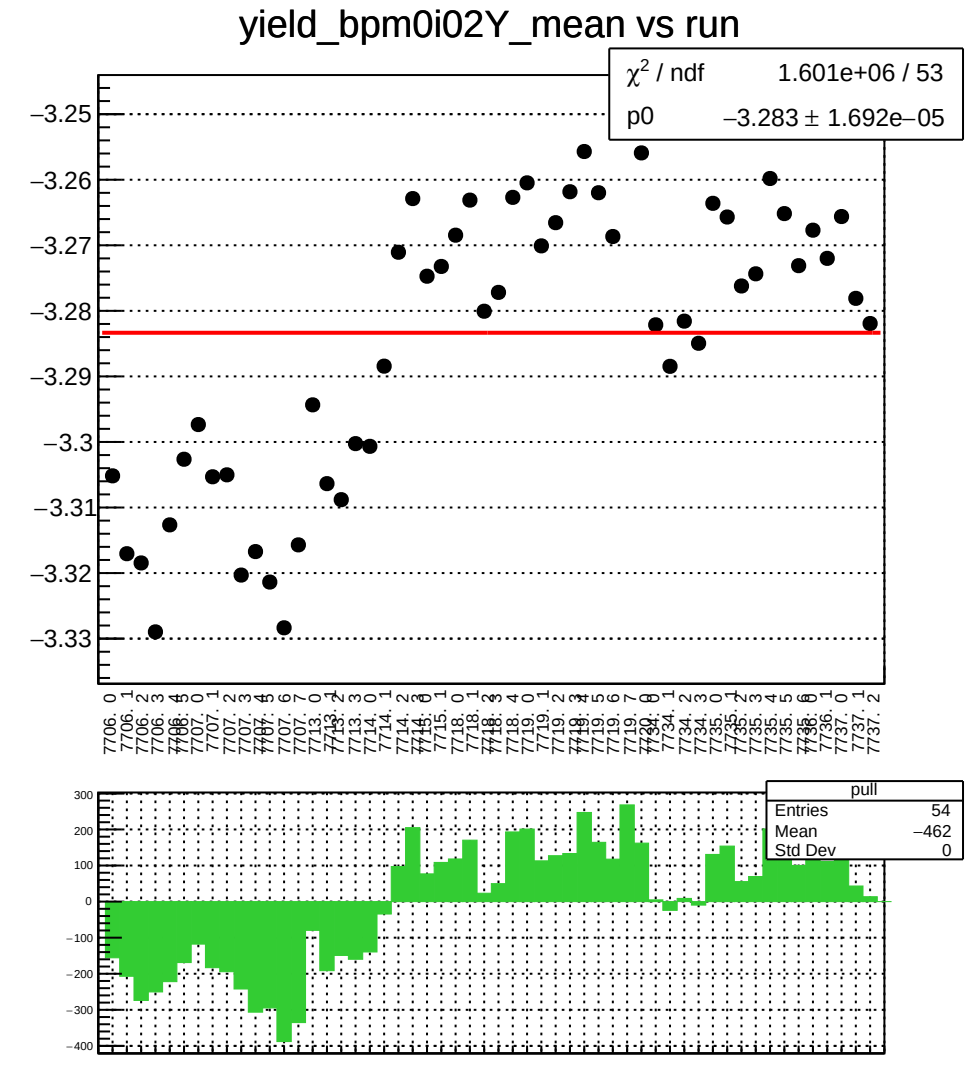

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

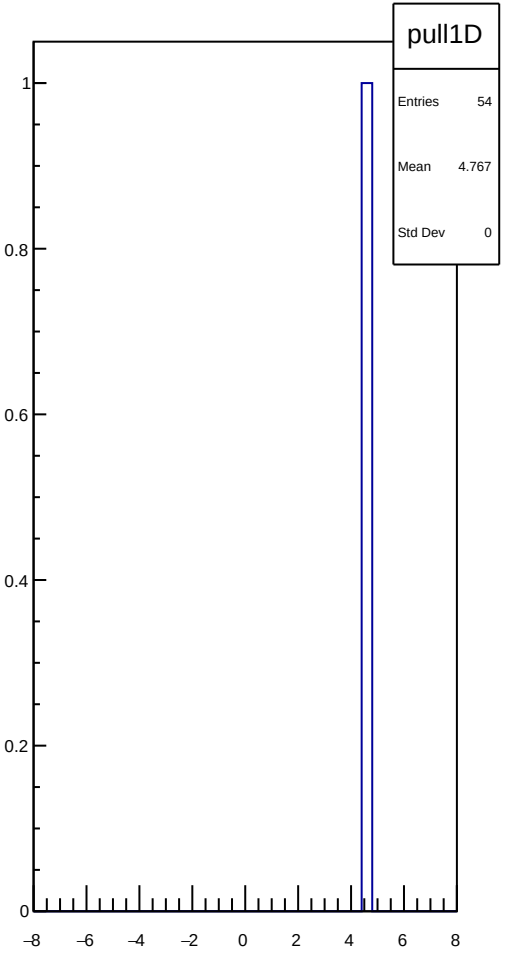

yield_bpm16Y_rms vs run
χ² / ndf 6.264e+04 / 53
p0 0.007138 ± 7.141e−06
0.014
0.012
0.01
0.008
0.006

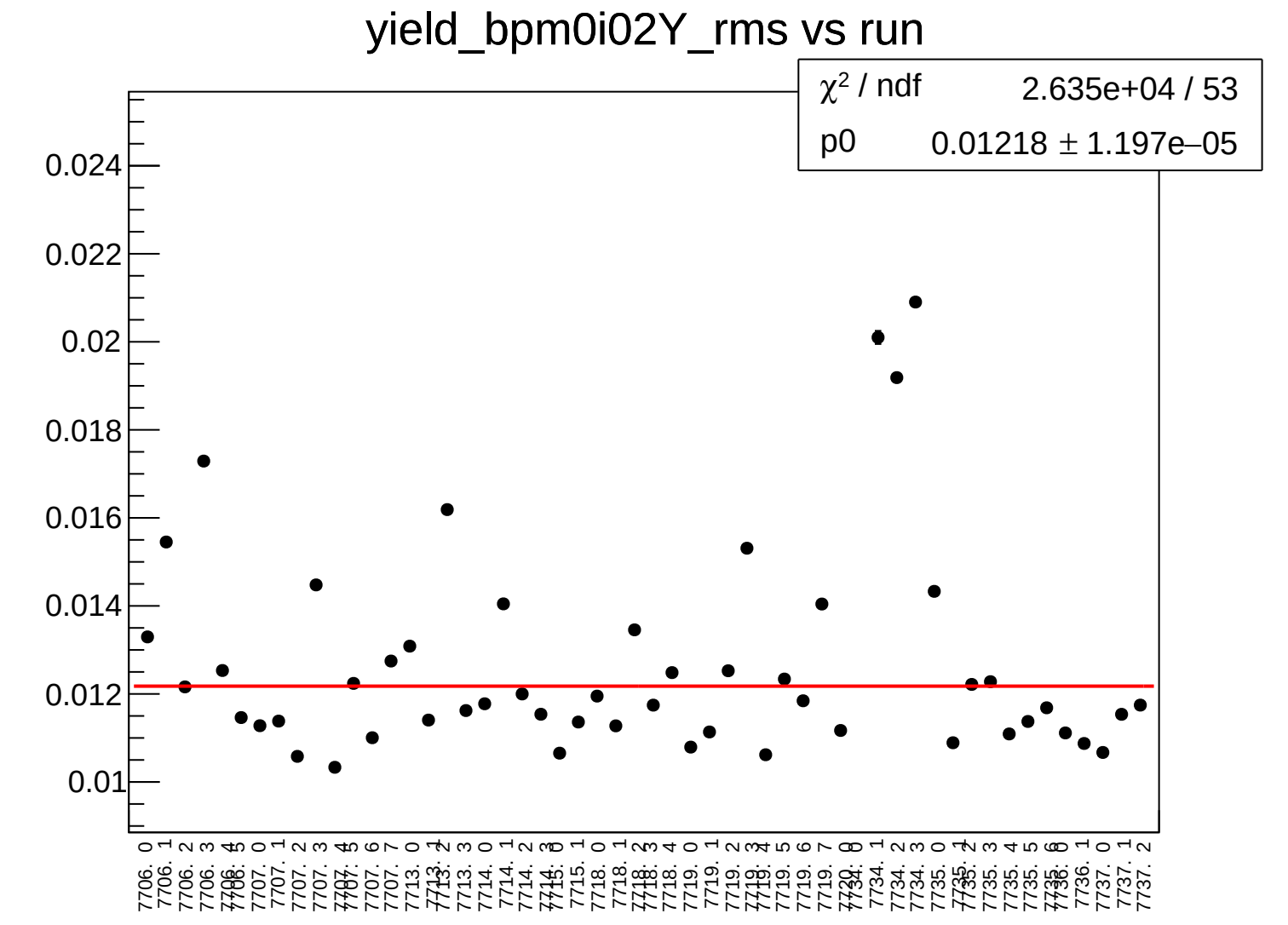

yield_bpm0i02X_mean vs run
χ² / ndf 8.834e+05 / 53
p0 −0.4434 ± 9.437e−06
−0.425
−0.43
−0.435
−0.44
−0.445
−0.45
−0.455
−0.46
pull
Entries 54
Mean −932.1
Std Dev 0
300
200
100
0
−100
−200

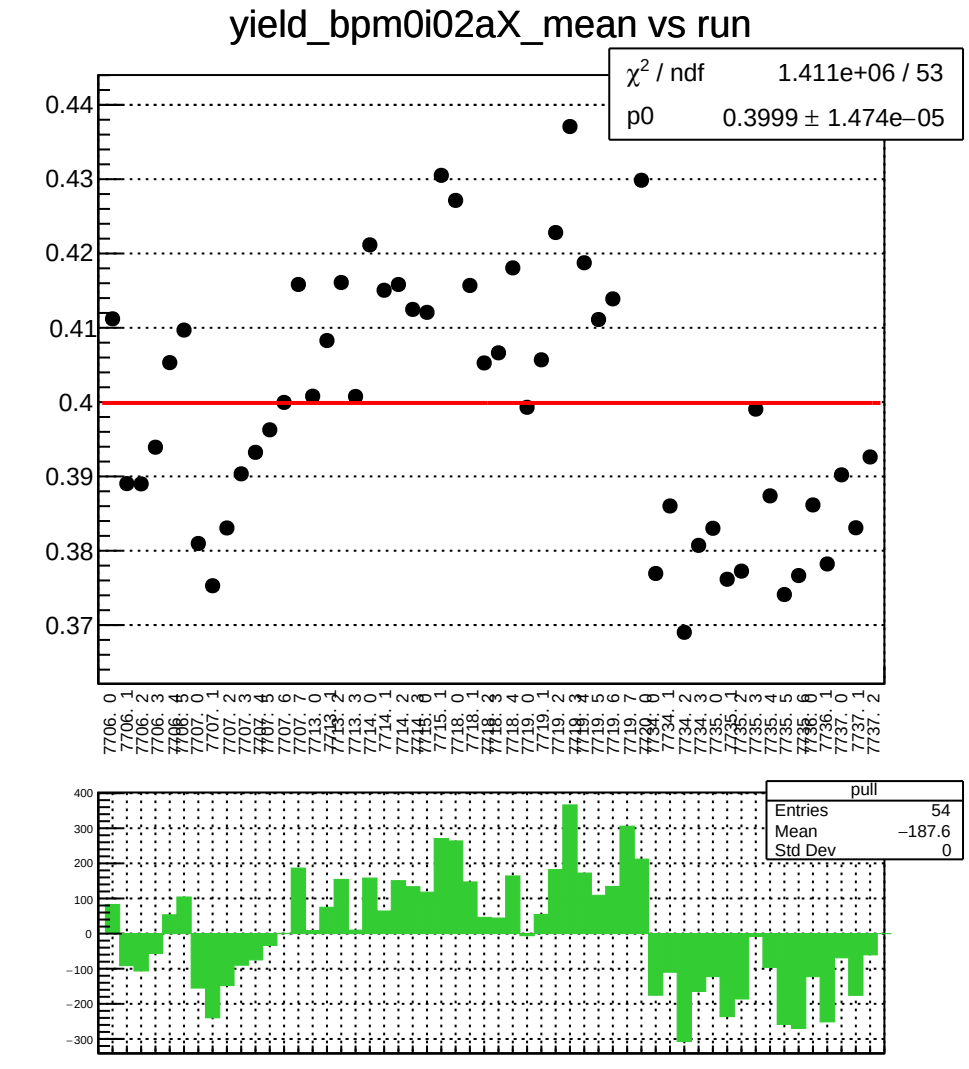

pull1D
Entries 54
Mean −2.868
Std Dev 3.515
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

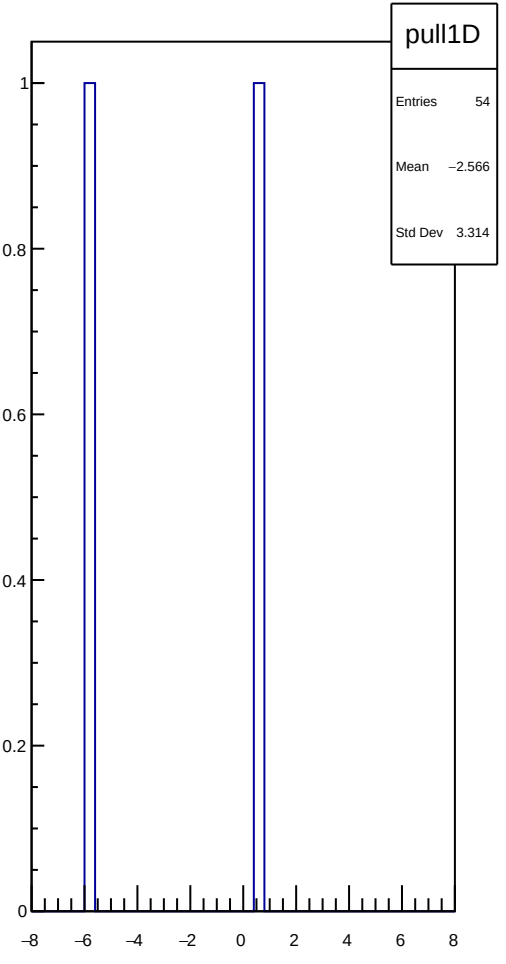

yield_bpm0i02X_rms vs run
χ² / ndf 1.602e+04 / 53
p0 0.006825 ± 6.673e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006

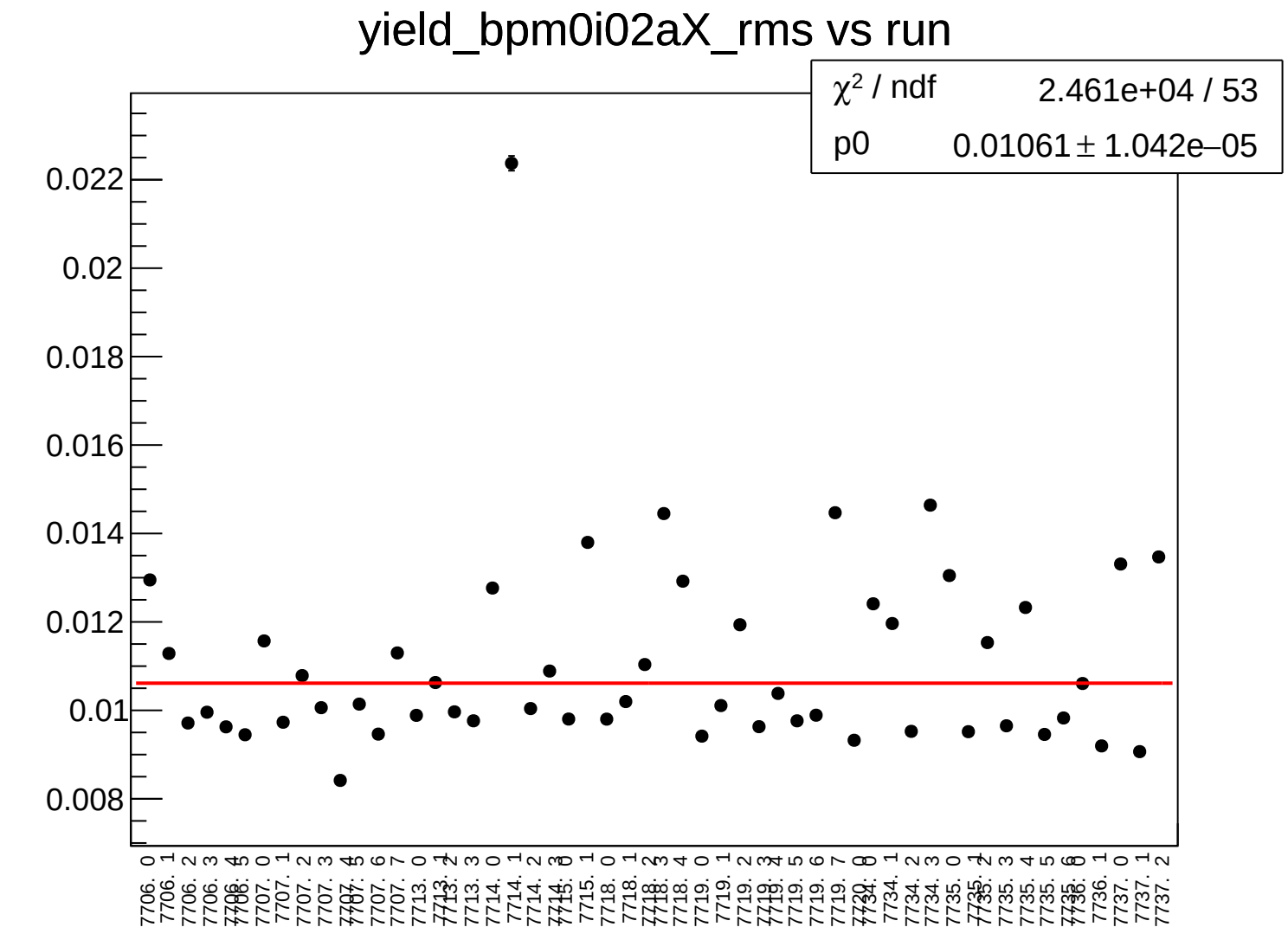

yield_bpm0i02Y_mean vs run
χ² / ndf 1.601e+06 / 53
p0 −3.283 ± 1.692e−05
pull
Entries 54
Mean −462
Std Dev 0

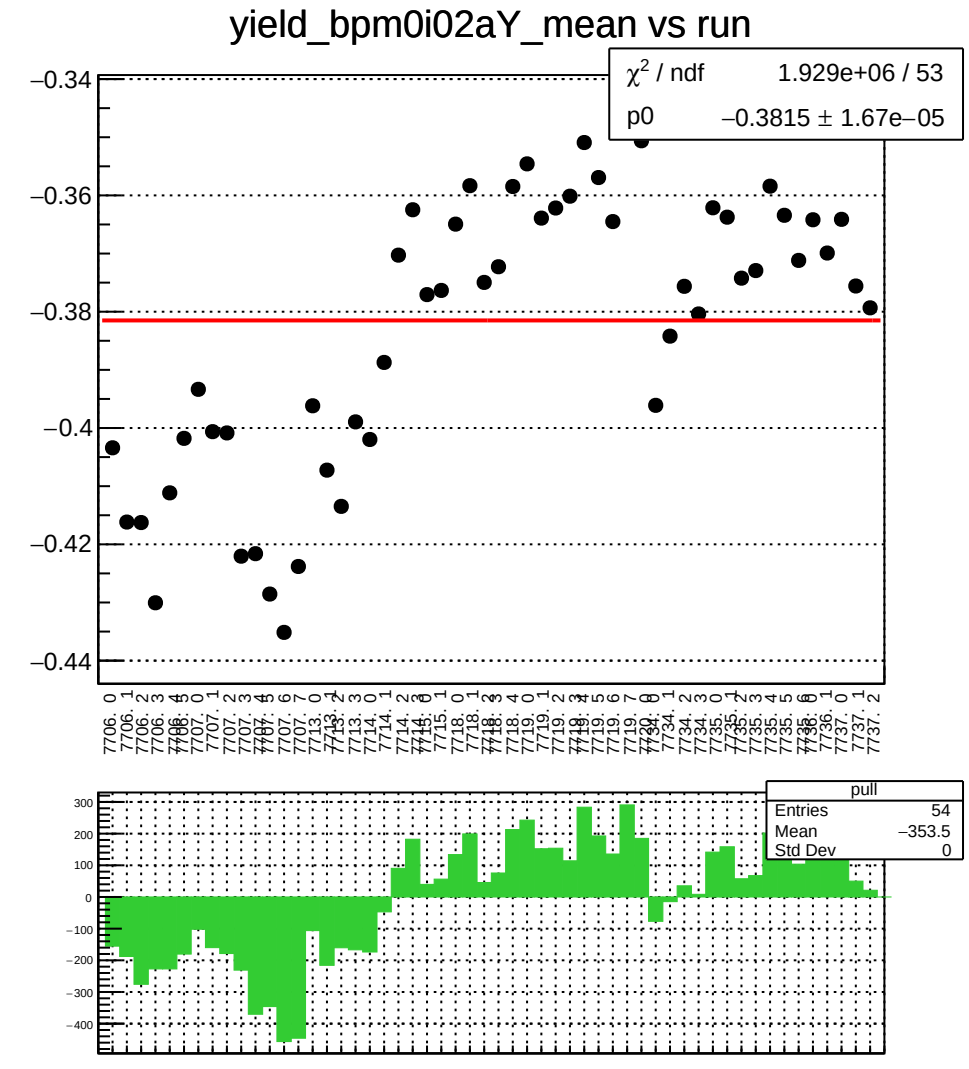

pull1D
Entries 54
Mean 4.767
Std Dev 0

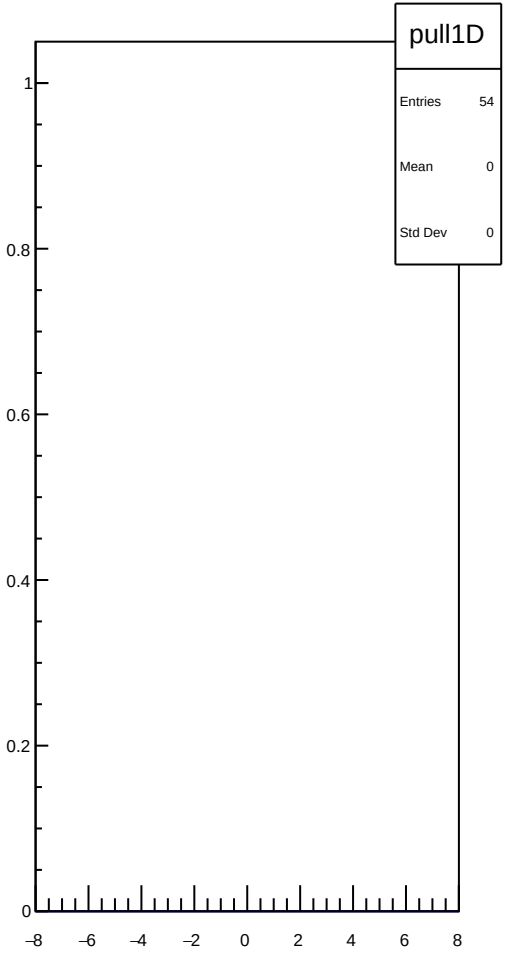

yield_bpm0i02Y_rms vs run
χ² / ndf 2.635e+04 / 53
p0 0.01218 ± 1.197e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

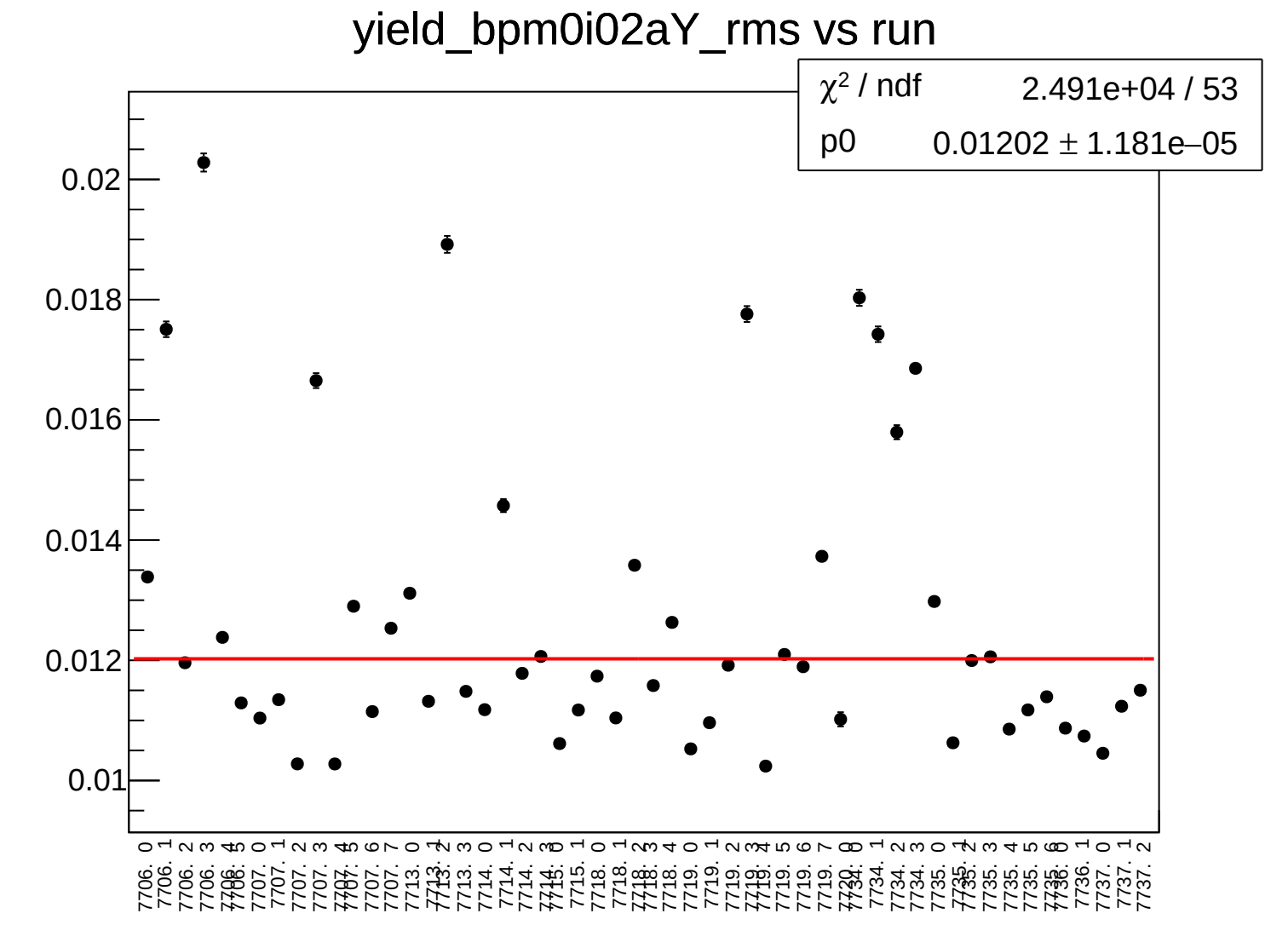

yield_bpm0i02aX_mean vs run
χ² / ndf 1.411e+06 / 53
p0 0.3999 ± 1.474e−05
0.44
0.43
0.42
0.41
0.4
0.39
0.38
0.37
pull
Entries 54
Mean −187.6
Std Dev 0
400
300
200
100
0
−100
−200
−300

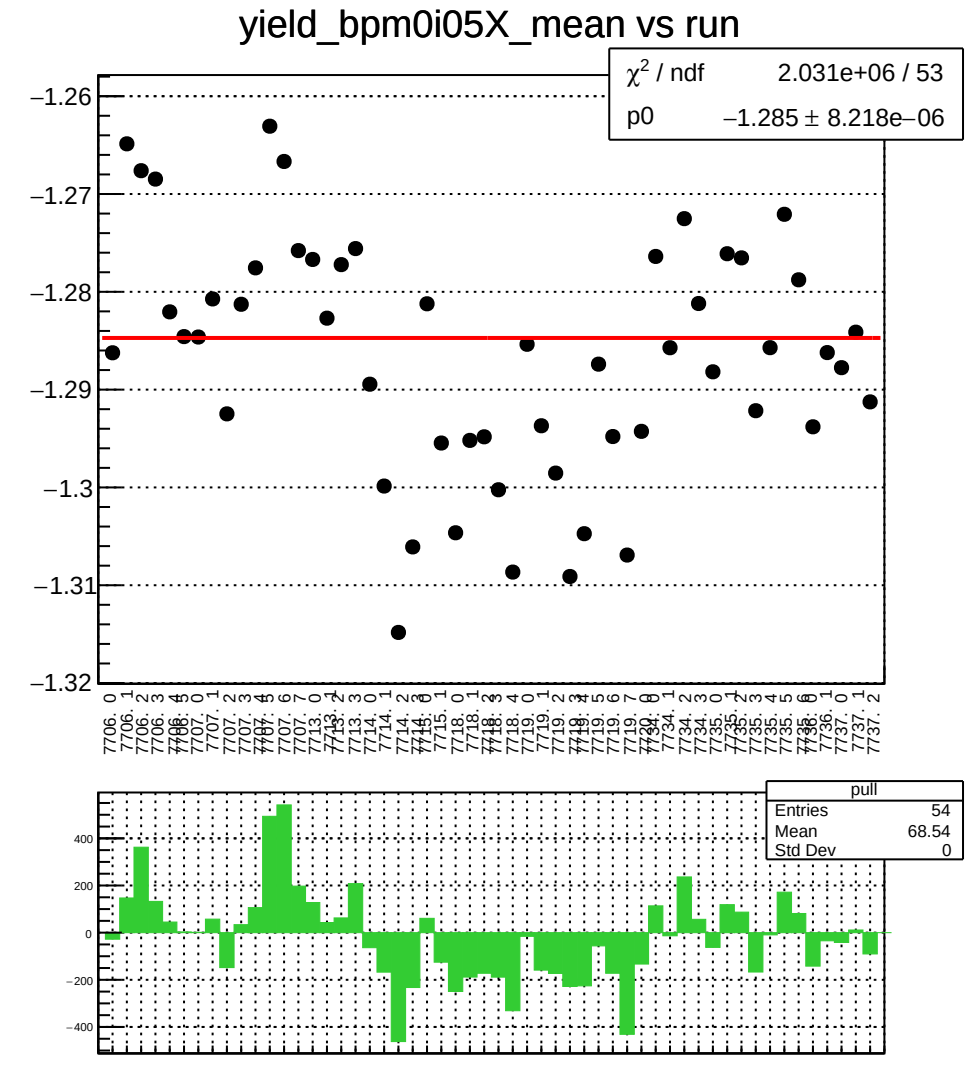

pull1D
Entries 54
Mean −2.566
Std Dev 3.314
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

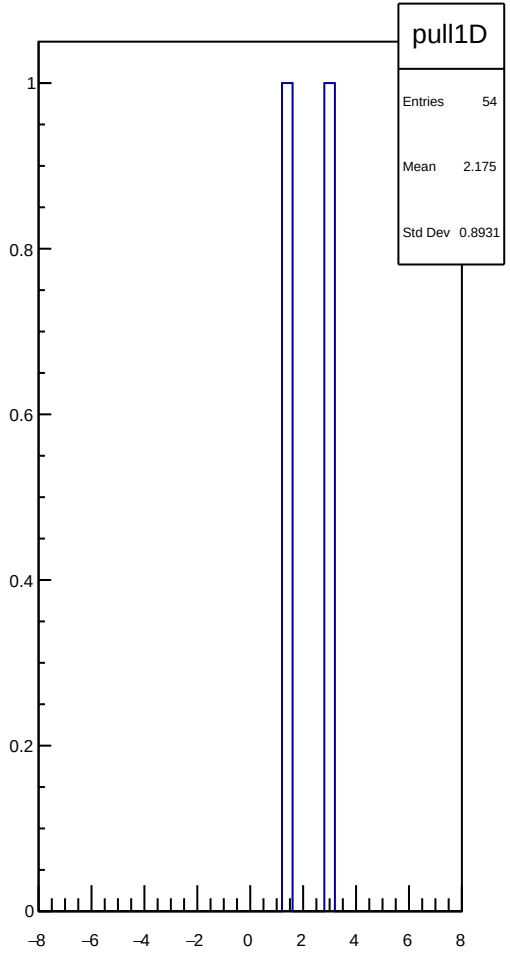

yield_bpm0i02aX_rms vs run
χ² / ndf 2.461e+04 / 53
p0 0.01061 ± 1.042e–05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

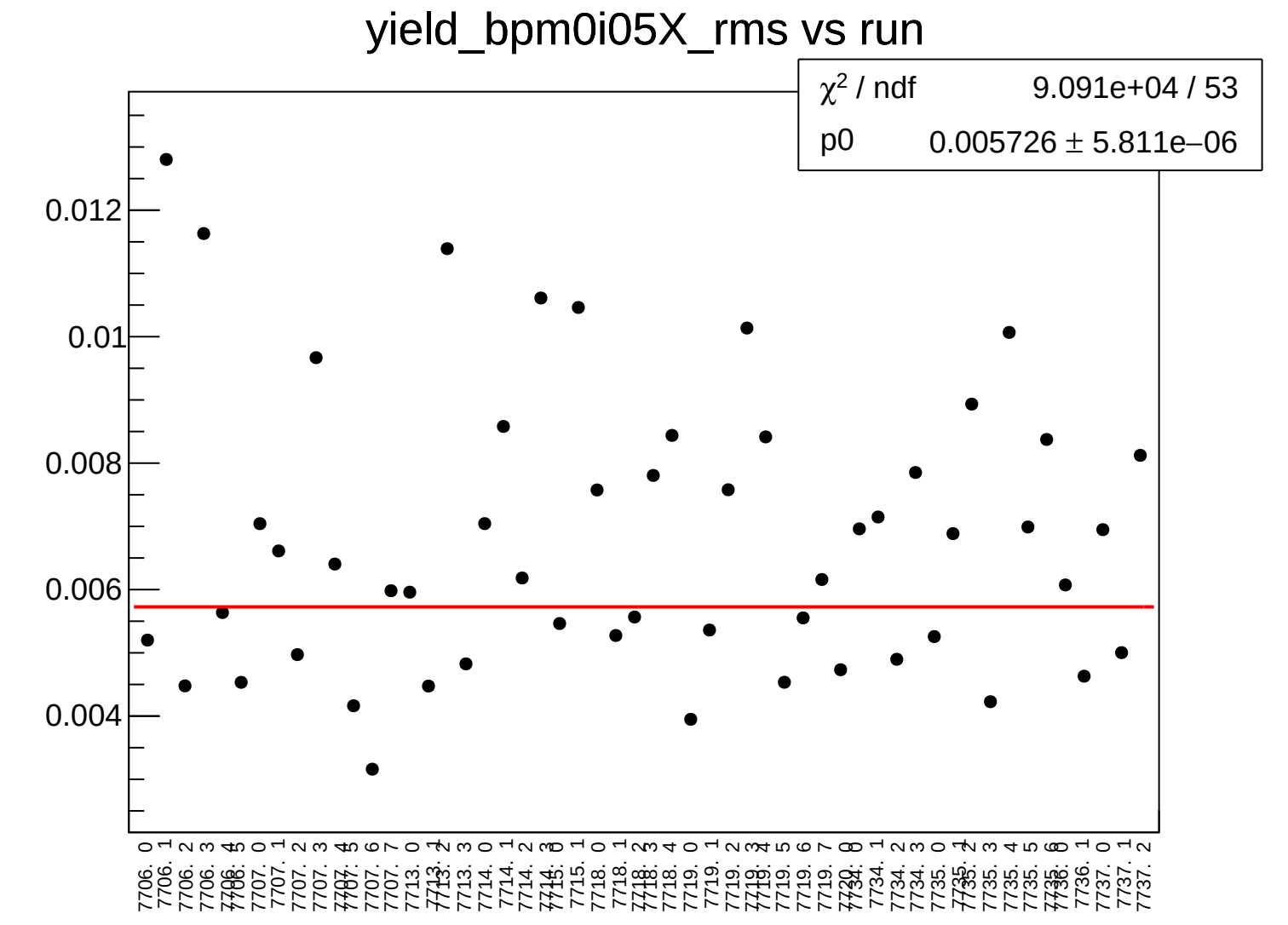

yield_bpm0i02aY_mean vs run
χ² / ndf 1.929e+06 / 53
p0 −0.3815 ± 1.67e−05
−0.34
−0.36
−0.38
−0.4
−0.42
−0.44
pull
Entries 54
Mean −353.5
Std Dev 0
300
200
100
0
−100
−200
−300
−400

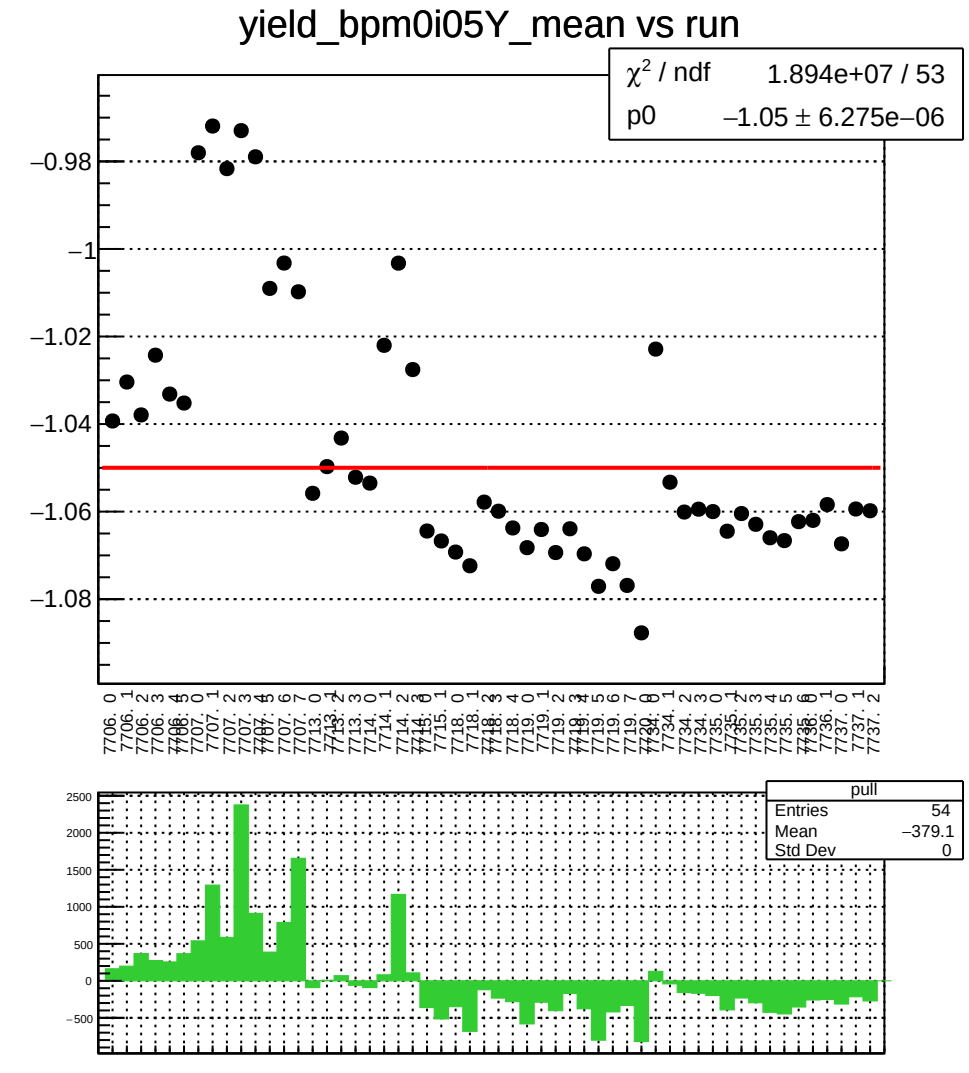

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

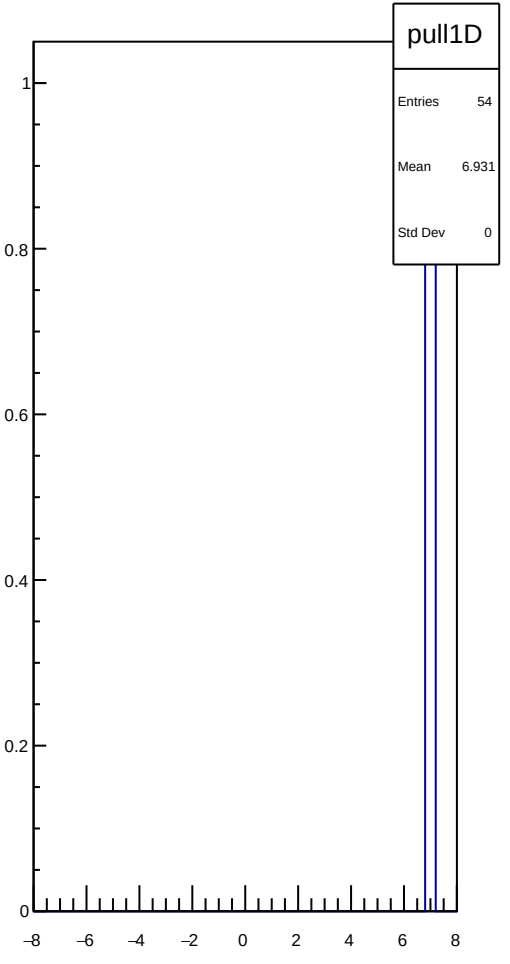

yield_bpm0i02aY_rms vs run
χ² / ndf 2.491e+04 / 53
p0 0.01202 ± 1.181e–05
0.02
0.018
0.016
0.014
0.012
0.01

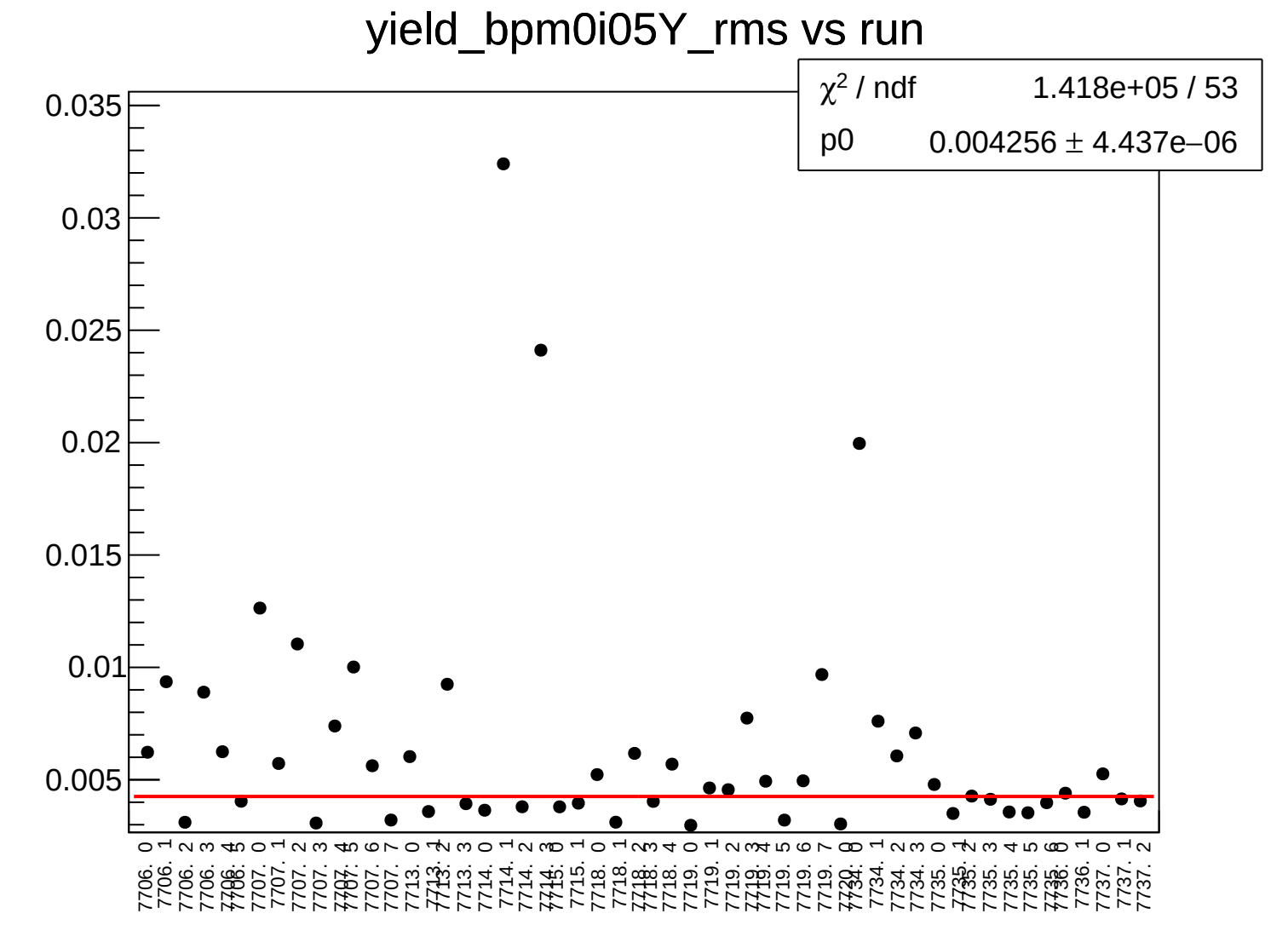

yield_bpm0i05X_mean vs run
χ² / ndf 2.031e+06 / 53
p0 −1.285 ± 8.218e−06
pull
Entries 54
Mean 68.54
Std Dev 0

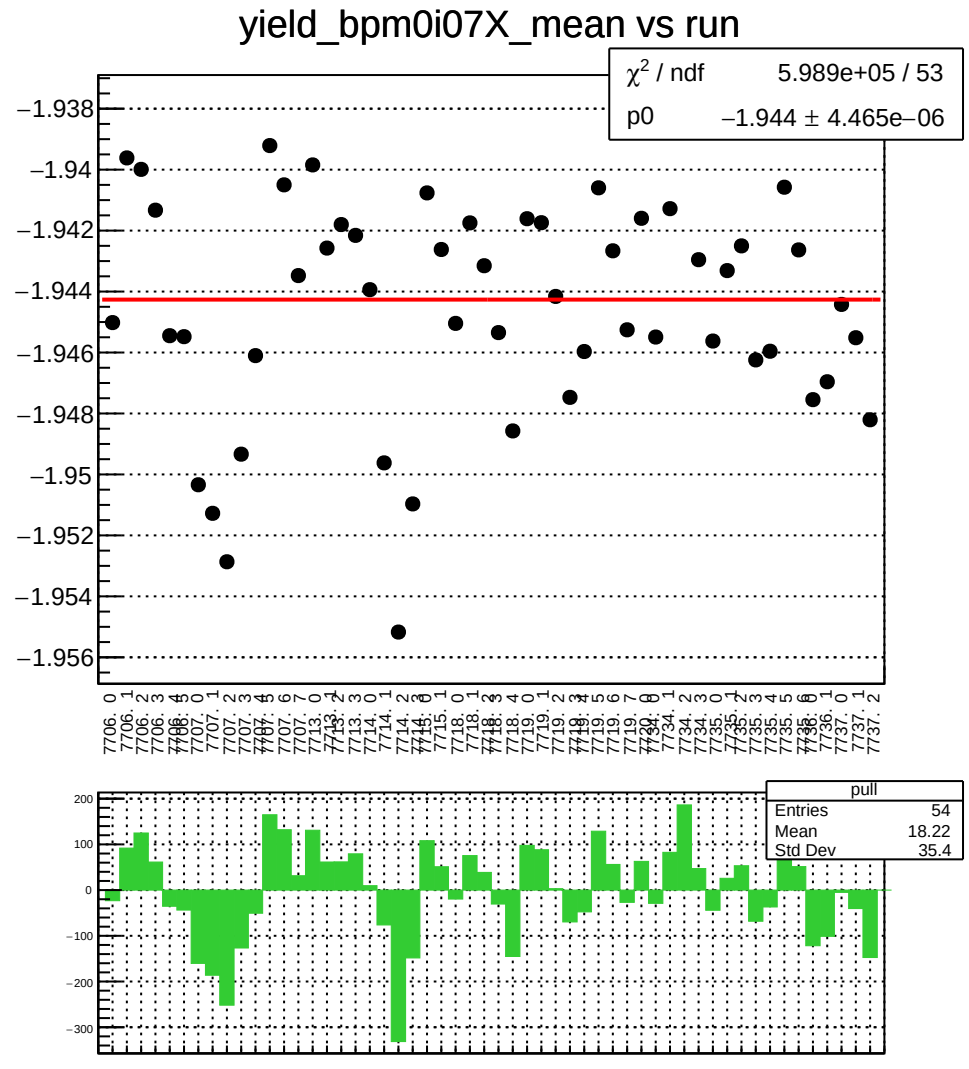

pull1D
Entries 54
Mean 2.175
Std Dev 0.8931

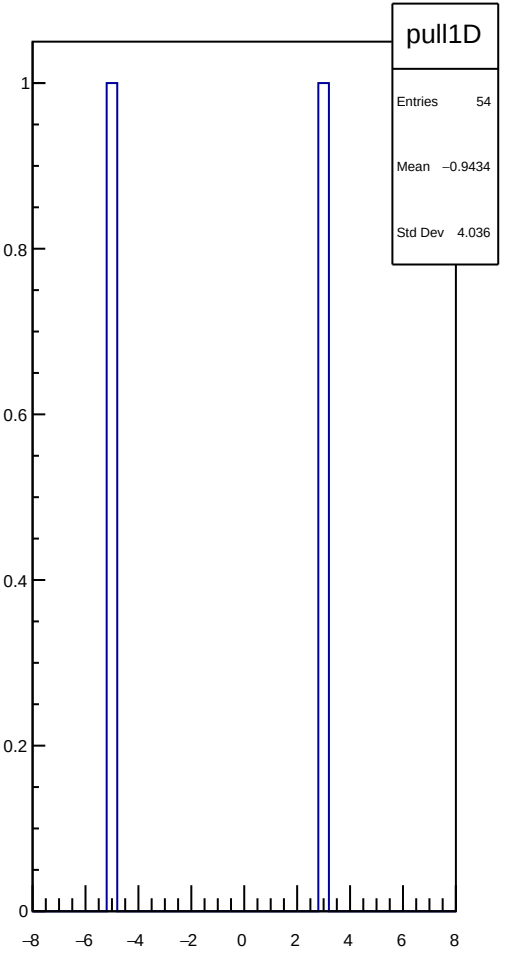

yield_bpm0i05X_rms vs run
χ² / ndf 9.091e+04 / 53
p0 0.005726 ± 5.811e−06
0.012
0.01
0.008
0.006
0.004

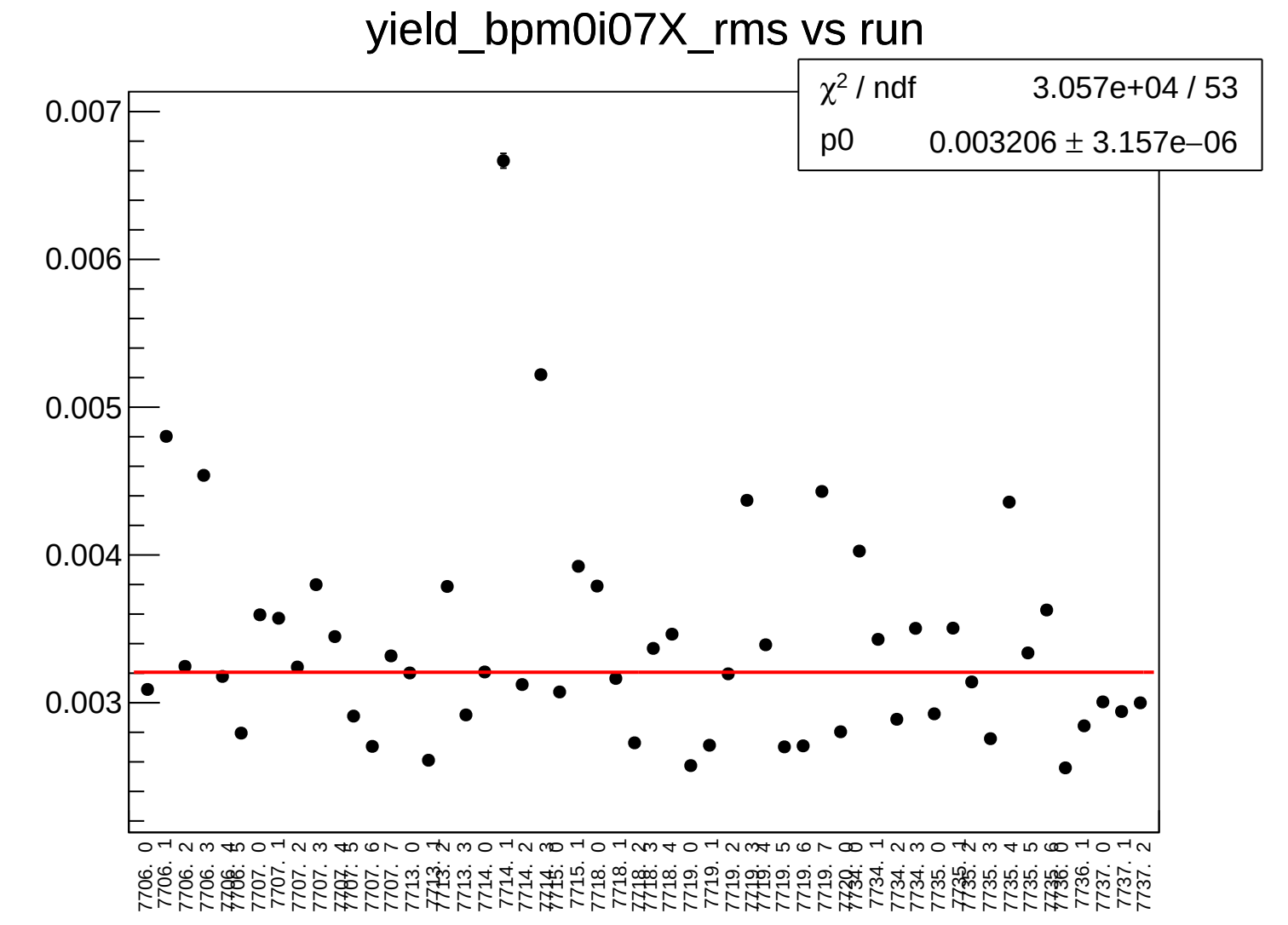

yield_bpm0i05Y_mean vs run
χ² / ndf 1.894e+07 / 53
p0 −1.05 ± 6.275e−06
−0.98
−1
−1.02
−1.04
−1.06
−1.08
pull
Entries 54
Mean −379.1
Std Dev 0
2500
2000
1500
1000
500
0
−500

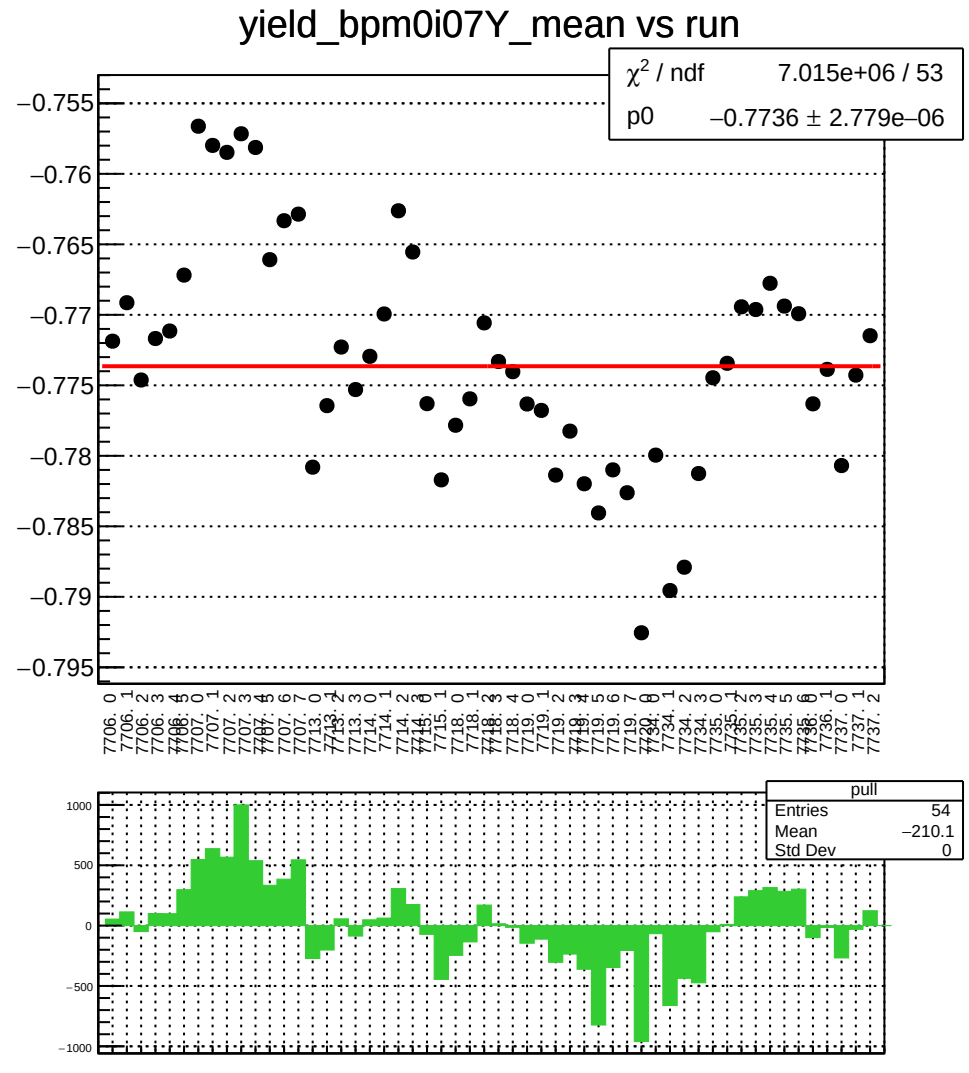

pull1D
Entries 54
Mean 6.931
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

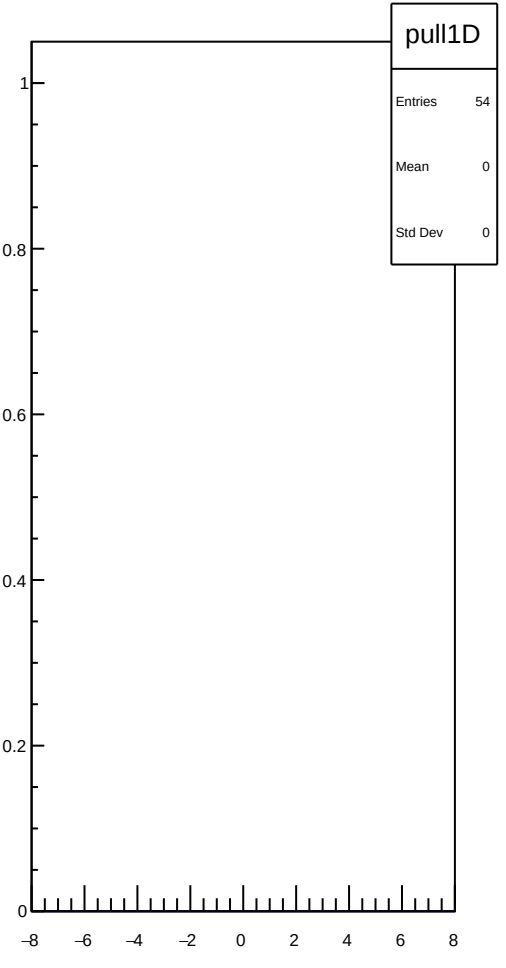

yield_bpm0i05Y_rms vs run
χ² / ndf 1.418e+05 / 53
p0 0.004256 ± 4.437e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

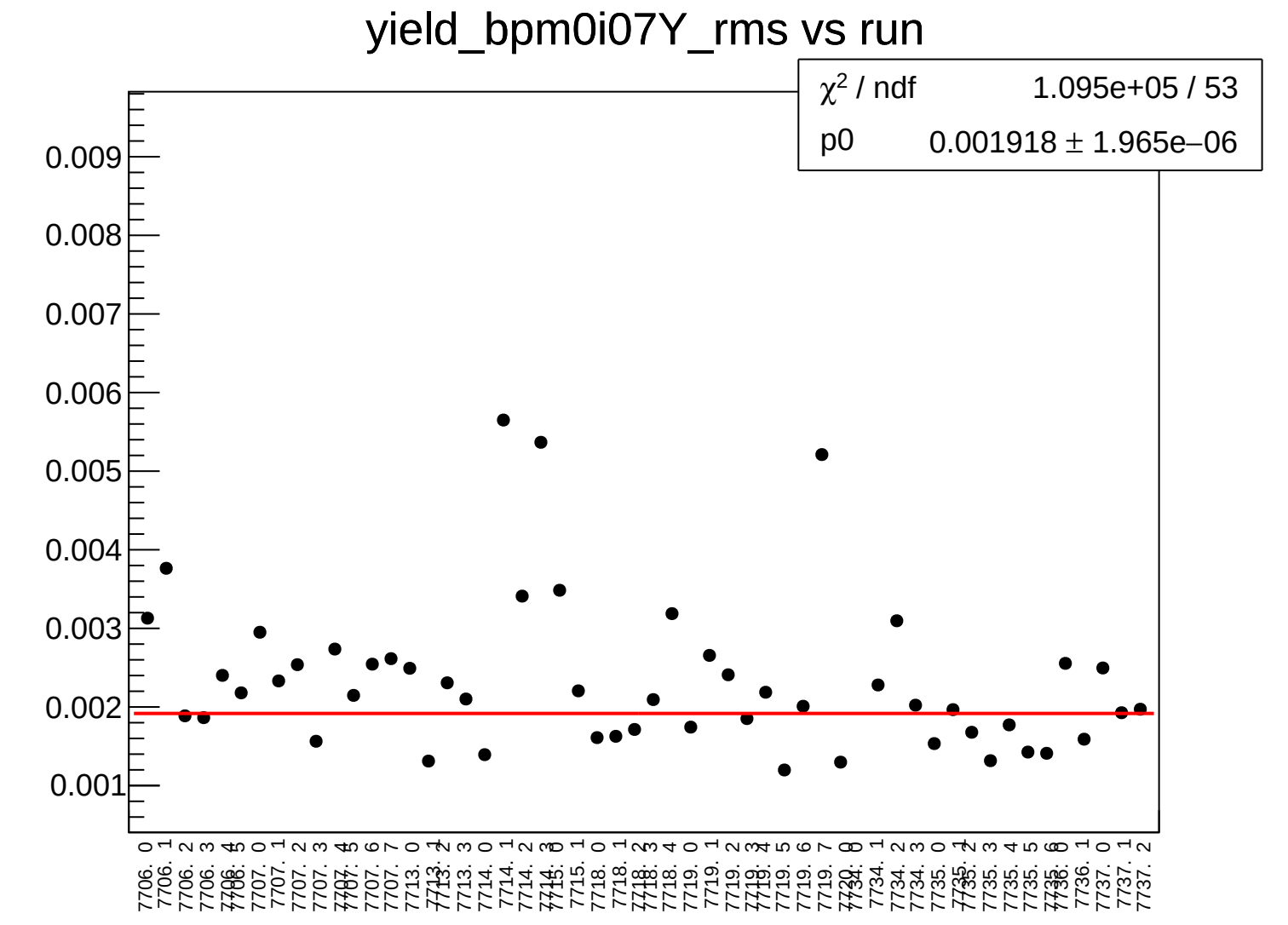

yield_bpm0i07X_mean vs run
χ² / ndf 5.989e+05 / 53
p0 −1.944 ± 4.465e−06
−1.938
−1.94
−1.942
−1.944
−1.946
−1.948
−1.95
−1.952
−1.954
−1.956
pull
Entries 54
Mean 18.22
Std Dev 35.4
200
100
0
−100
−200
−300

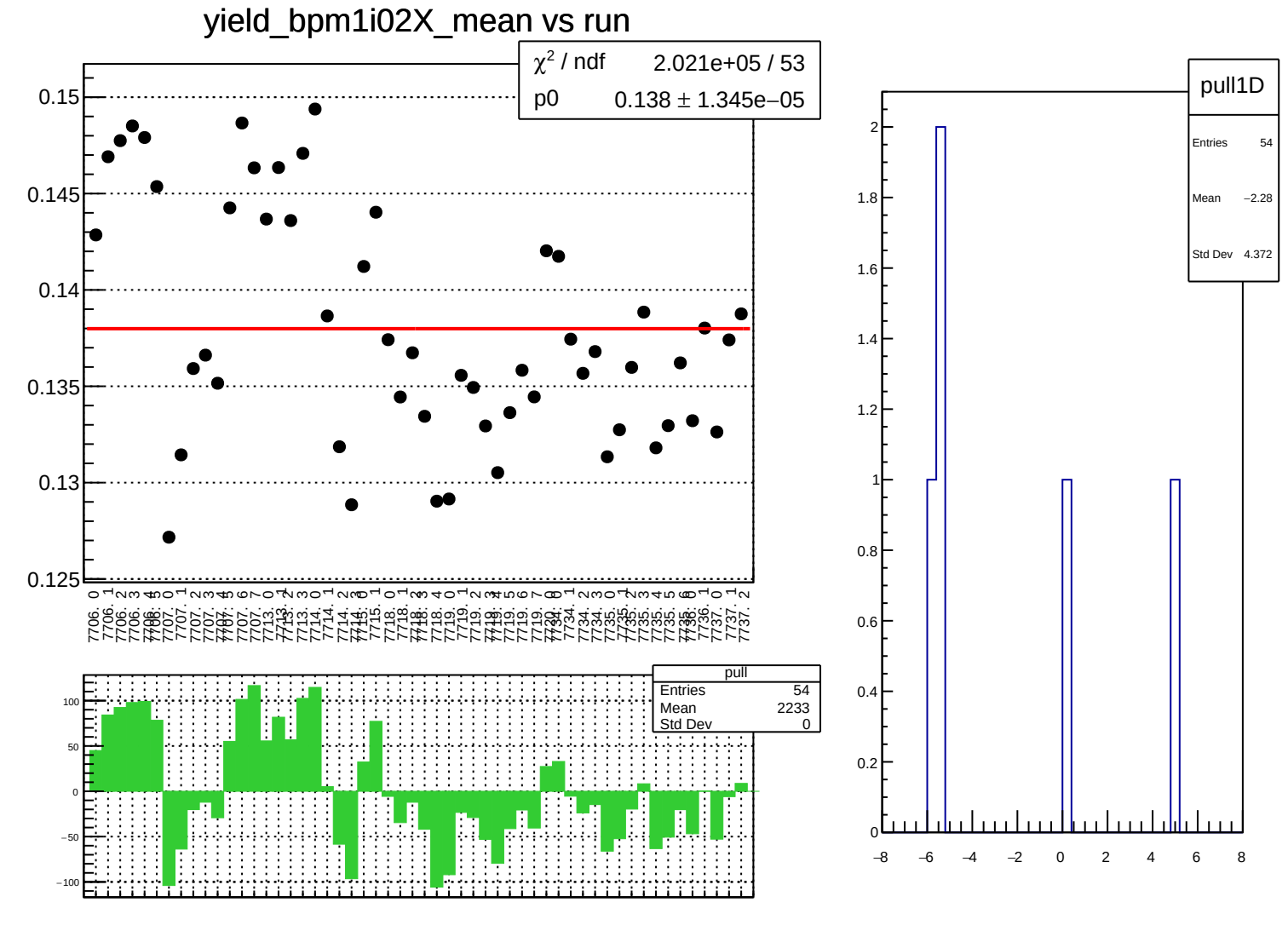

pull1D
Entries 54
Mean −0.9434
Std Dev 4.036
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

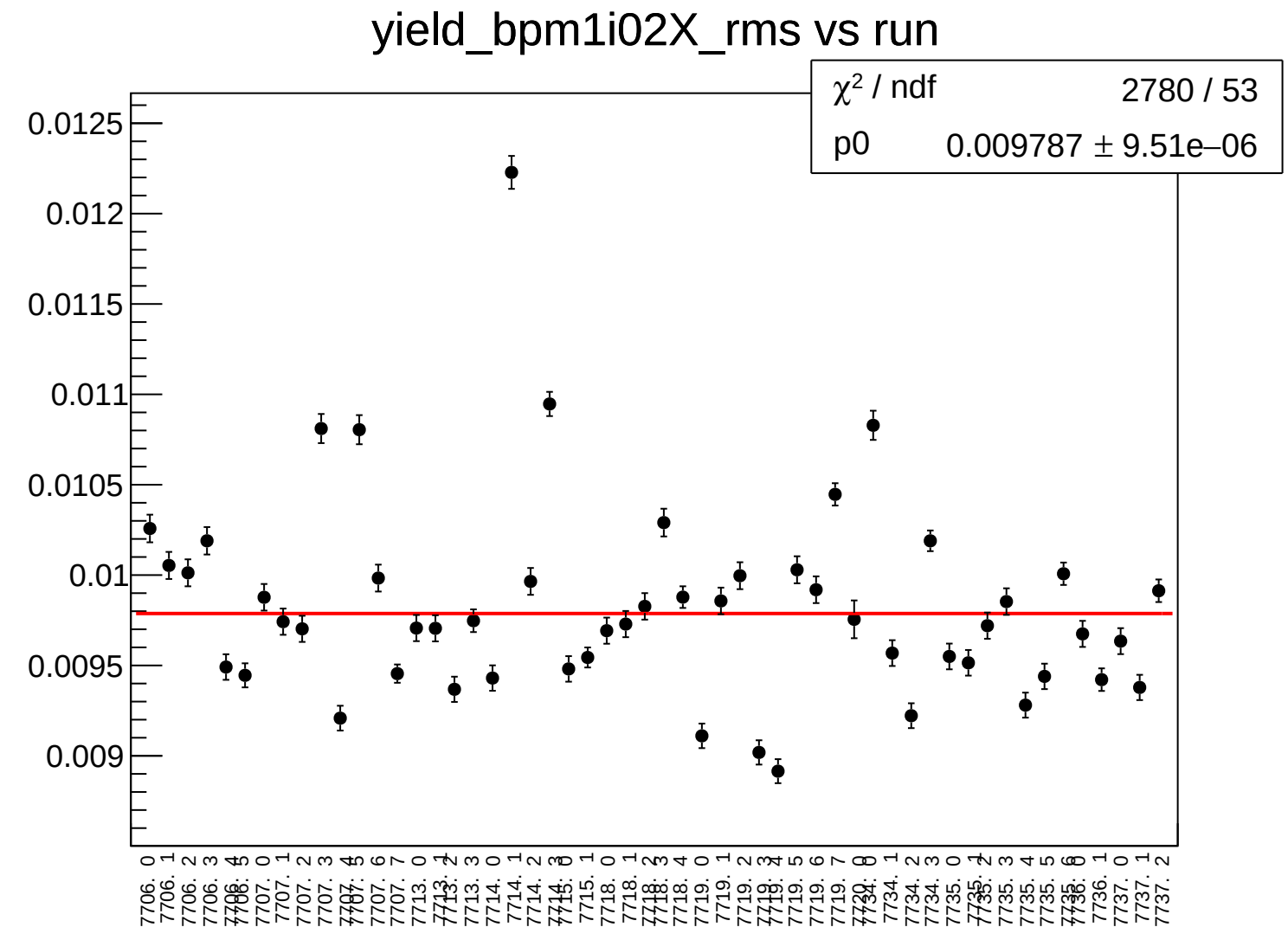

yield_bpm0i07X_rms vs run
χ² / ndf 3.057e+04 / 53
p0 0.003206 ± 3.157e−06
0.007
0.006
0.005
0.004
0.003

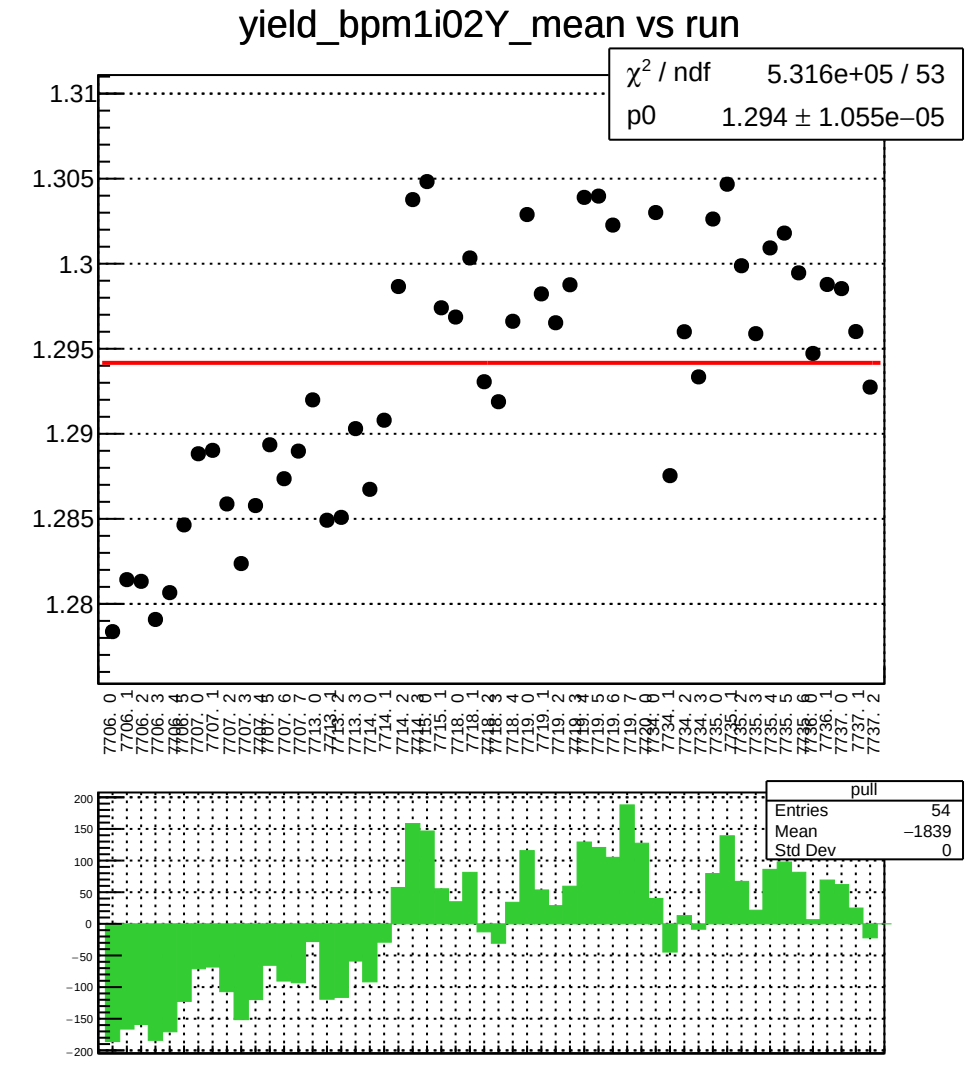

yield_bpm0i07Y_mean vs run
χ² / ndf 7.015e+06 / 53
p0 −0.7736 ± 2.779e−06
−0.755
−0.76
−0.765
−0.77
−0.775
−0.78
−0.785
−0.79
−0.795
pull
Entries 54
Mean −210.1
Std Dev 0
1000
500
0
−500
−1000

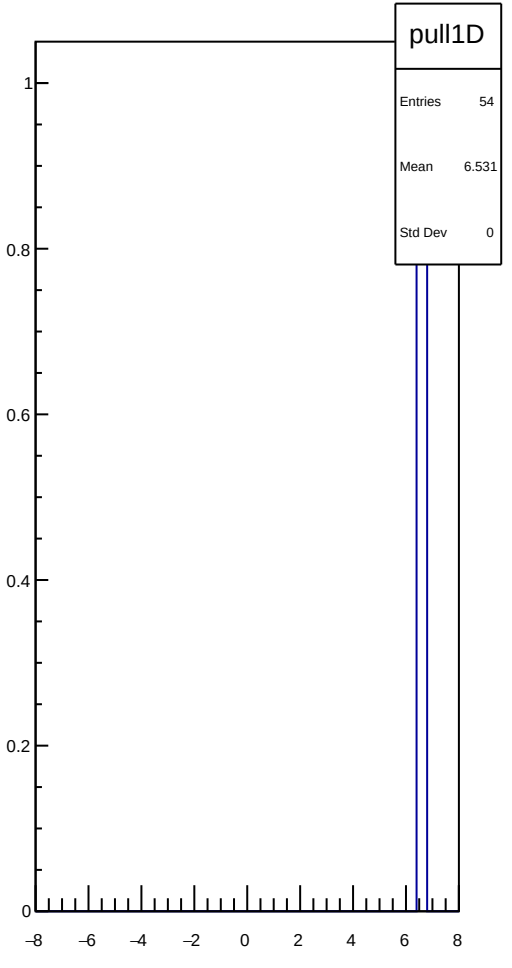

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

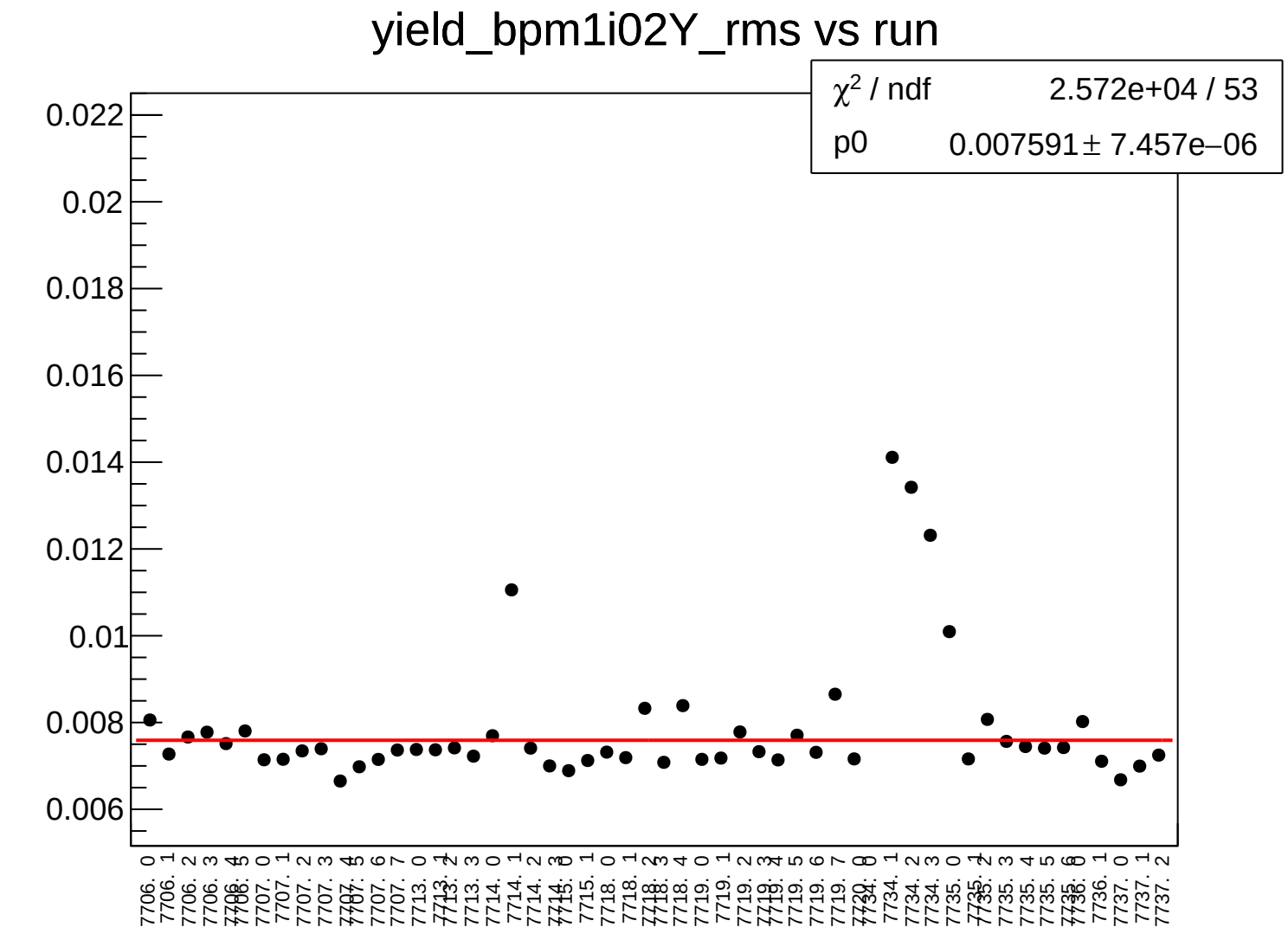

yield_bpm0i07Y_rms vs run
χ² / ndf 1.095e+05 / 53
p0 0.001918 ± 1.965e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

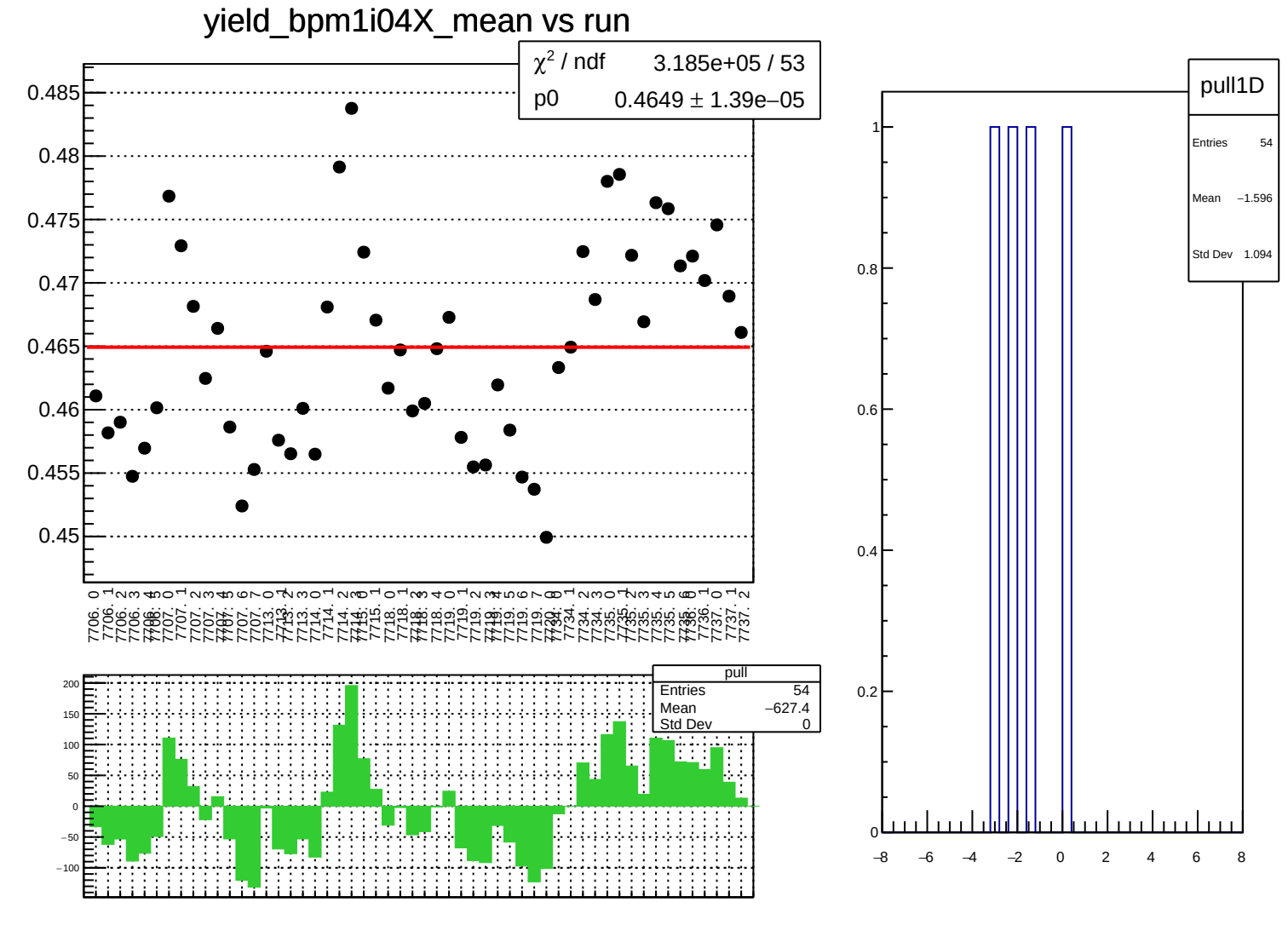

yield_bpm1i02X_mean vs run
χ² / ndf 2.021e+05 / 53
p0 0.138 ± 1.345e−05
0.15
0.145
0.14
0.135
0.13
0.125
pull
Entries 54
Mean 2233
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 54
Mean −2.28
Std Dev 4.372
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

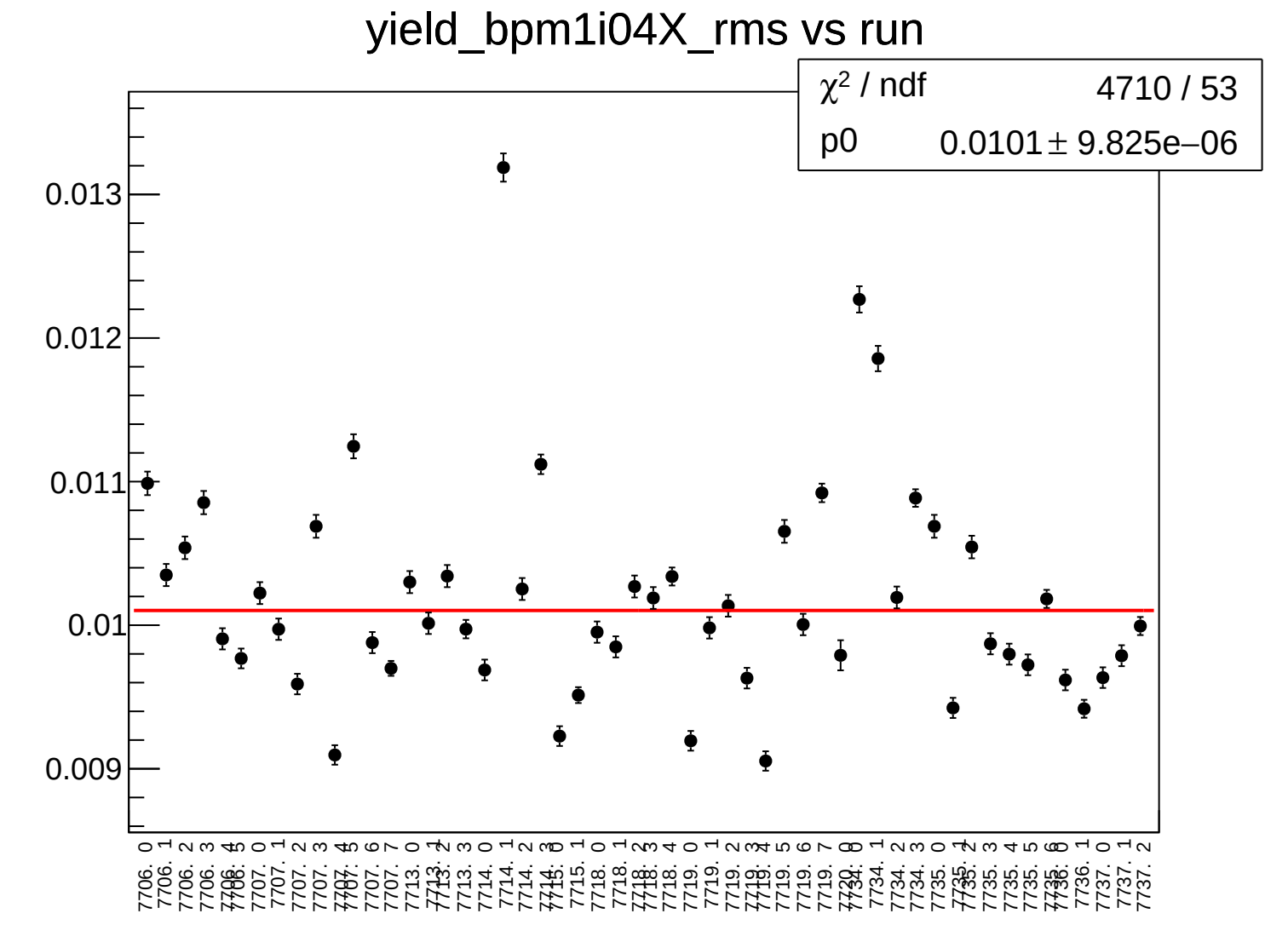

yield_bpm1i02X_rms vs run
χ² / ndf 2780 / 53
p0 0.009787 ± 9.51e–06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

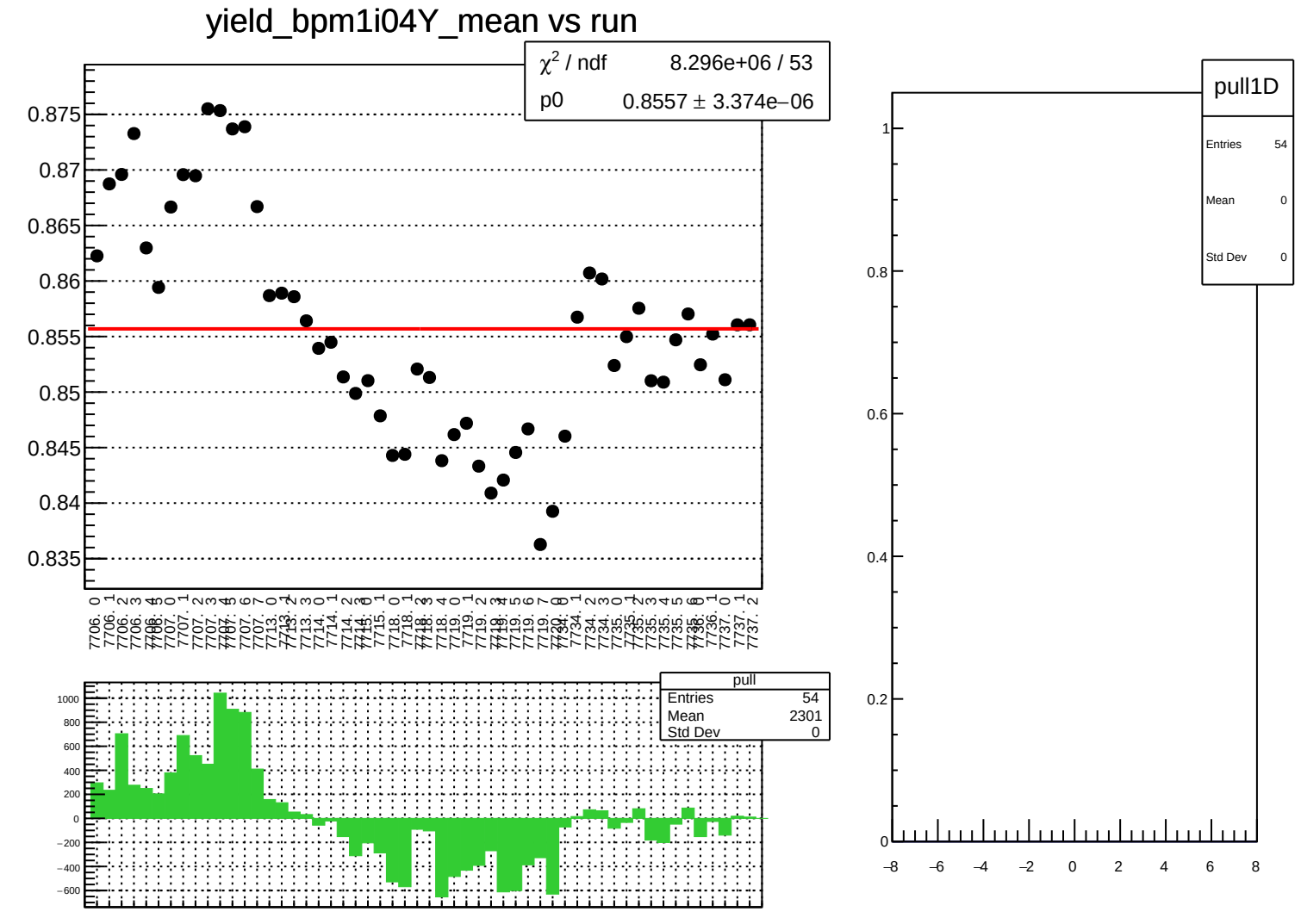

yield_bpm1i02Y_mean vs run
χ² / ndf 5.316e+05 / 53
p0 1.294 ± 1.055e−05
1.31
1.305
1.3
1.295
1.29
1.285
1.28
pull
Entries 54
Mean −1839
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

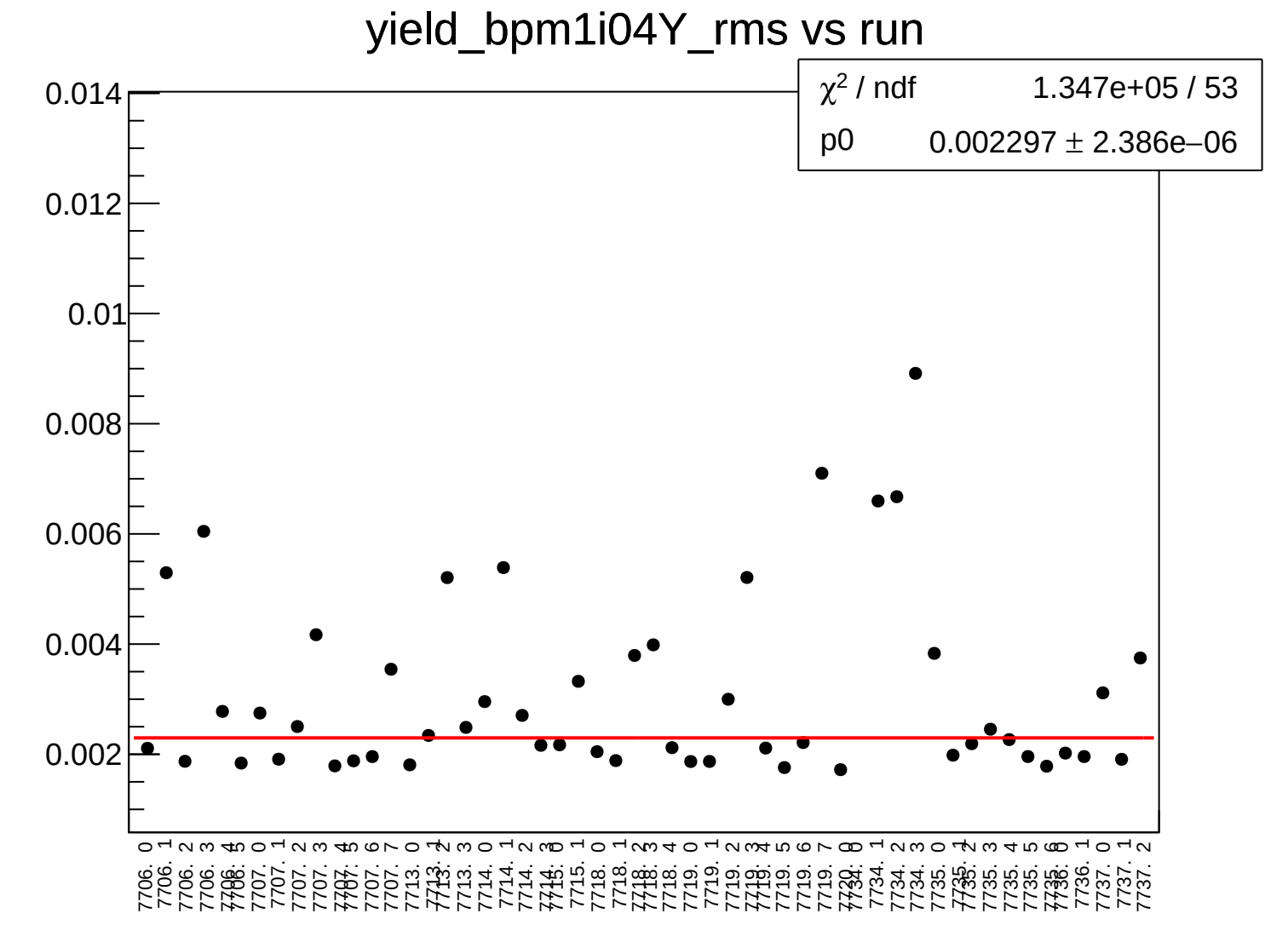

pull1D
Entries 54
Mean 6.531
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

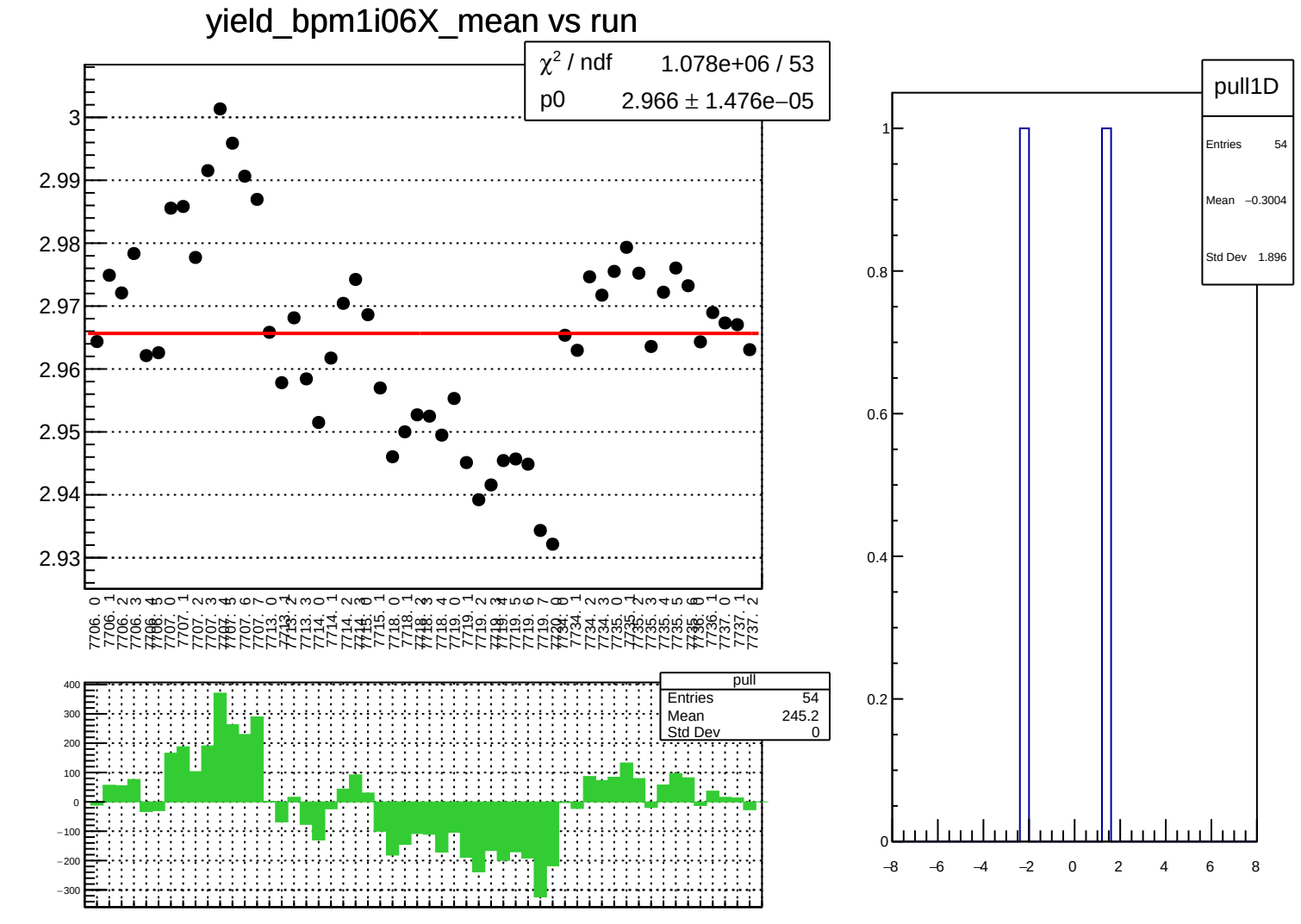

yield_bpm1i02Y_rms vs run
χ² / ndf 2.572e+04 / 53
p0 0.007591 ± 7.457e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

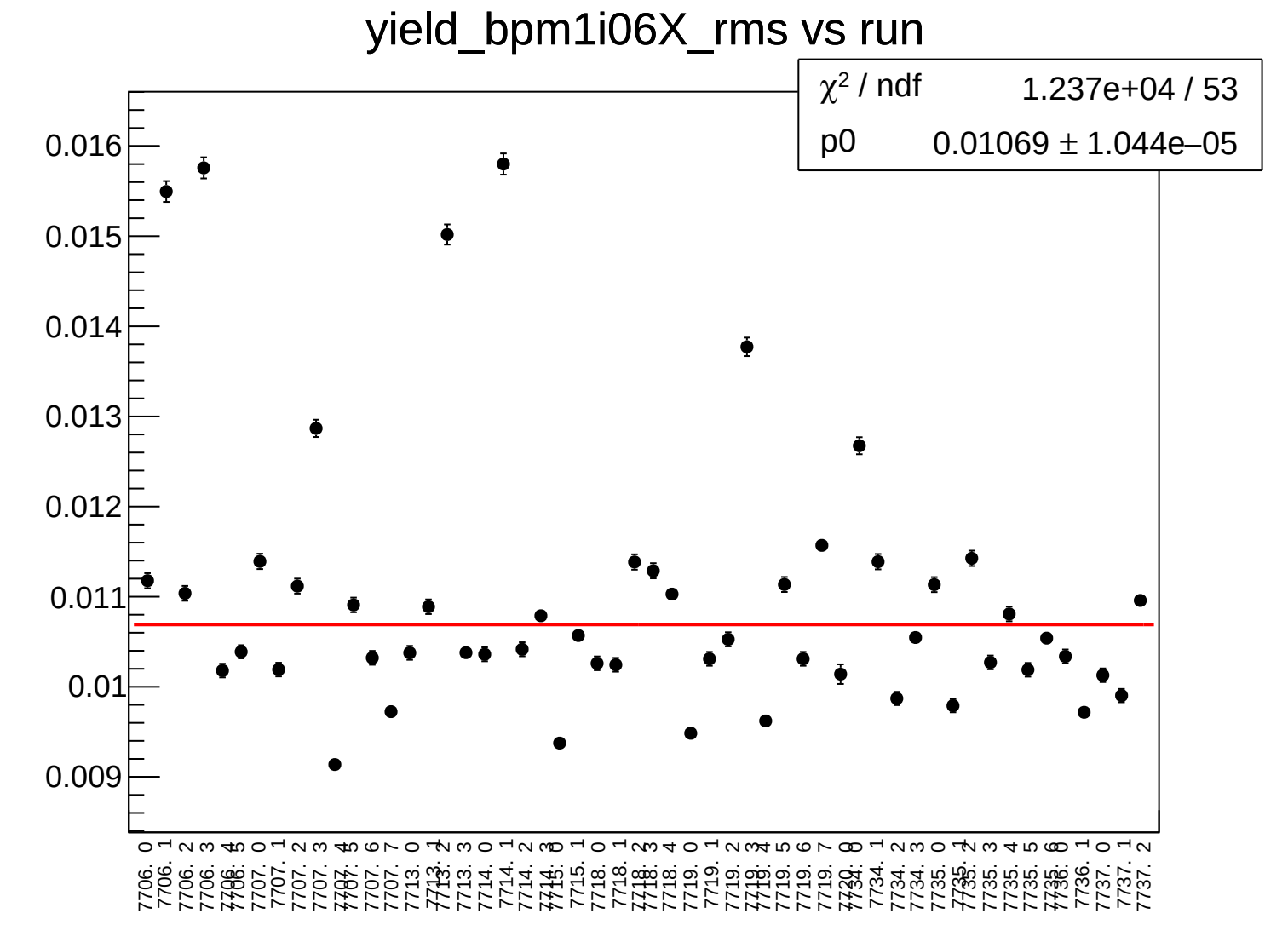

yield_bpm1i04X_mean vs run
χ² / ndf 3.185e+05 / 53
p0 0.4649 ± 1.39e−05
0.485
0.48
0.475
0.47
0.465
0.46
0.455
0.45
pull
Entries 54
Mean −627.4
Std Dev 0
200
150
100
50
0
−50
−100
pull1D
Entries 54
Mean −1.596
Std Dev 1.094
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

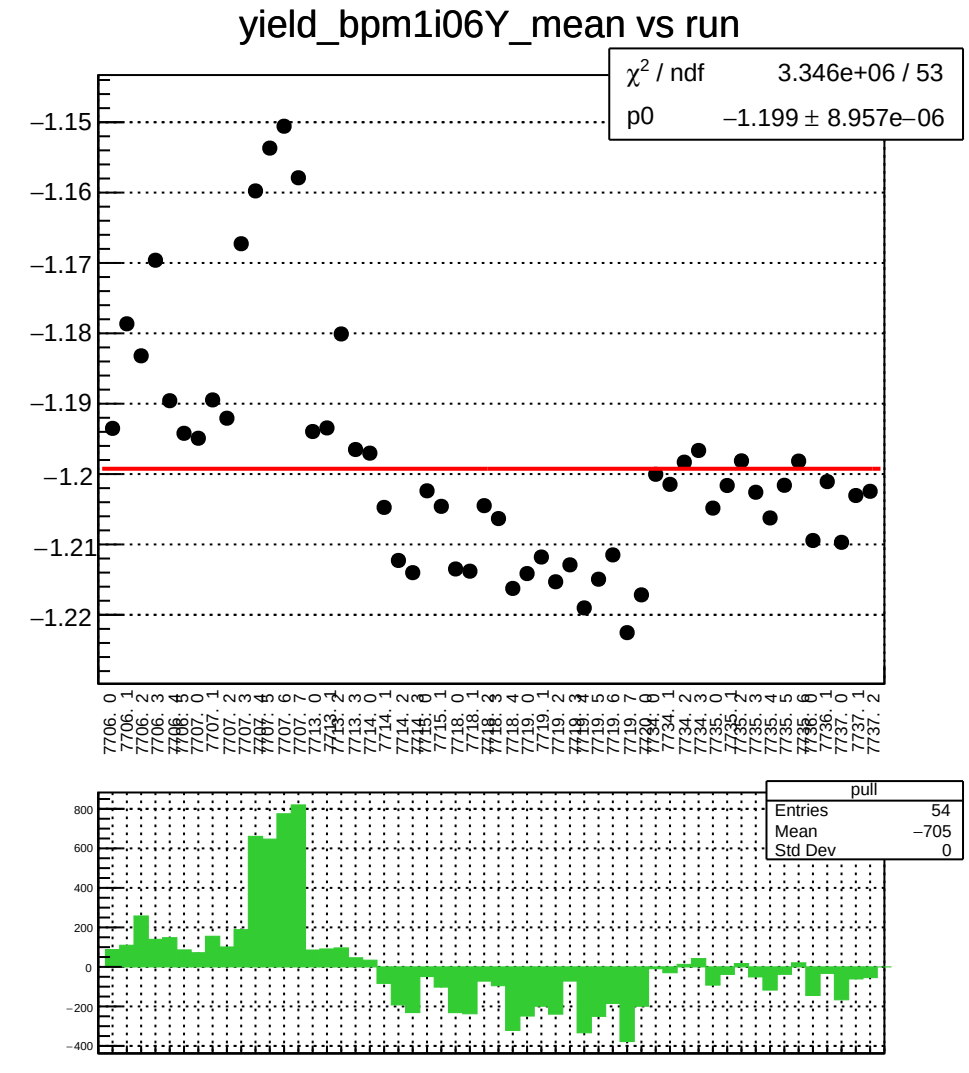

yield_bpm1i04X_rms vs run
χ² / ndf 4710 / 53
p0 0.0101 ± 9.825e−06
0.013
0.012
0.011
0.01
0.009

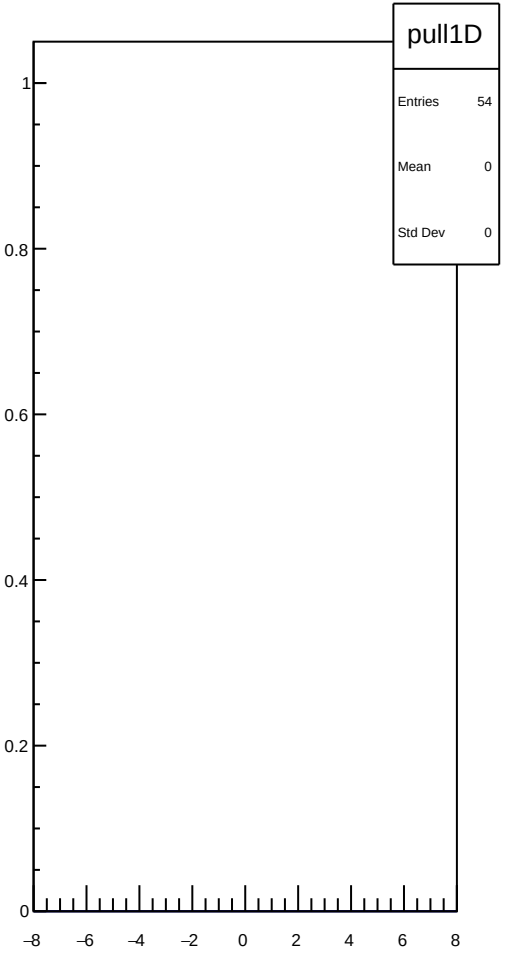

yield_bpm1i04Y_mean vs run
χ² / ndf 8.296e+06 / 53
p0 0.8557 ± 3.374e−06
pull
Entries 54
Mean 2301
Std Dev 0
pull1D
Entries 54
Mean 0
Std Dev 0

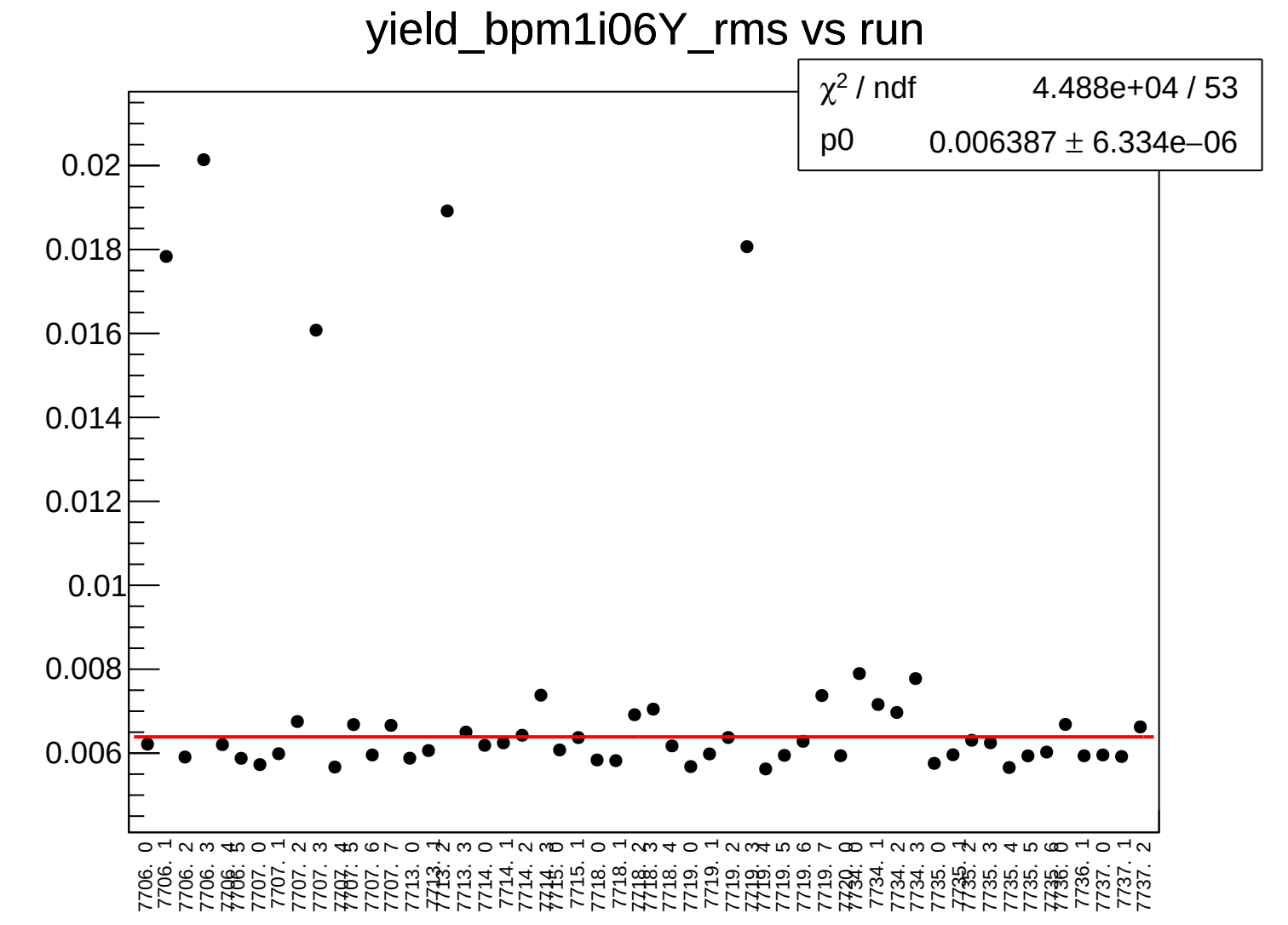

yield_bpm1i04Y_rms vs run
χ² / ndf 1.347e+05 / 53
p0 0.002297 ± 2.386e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

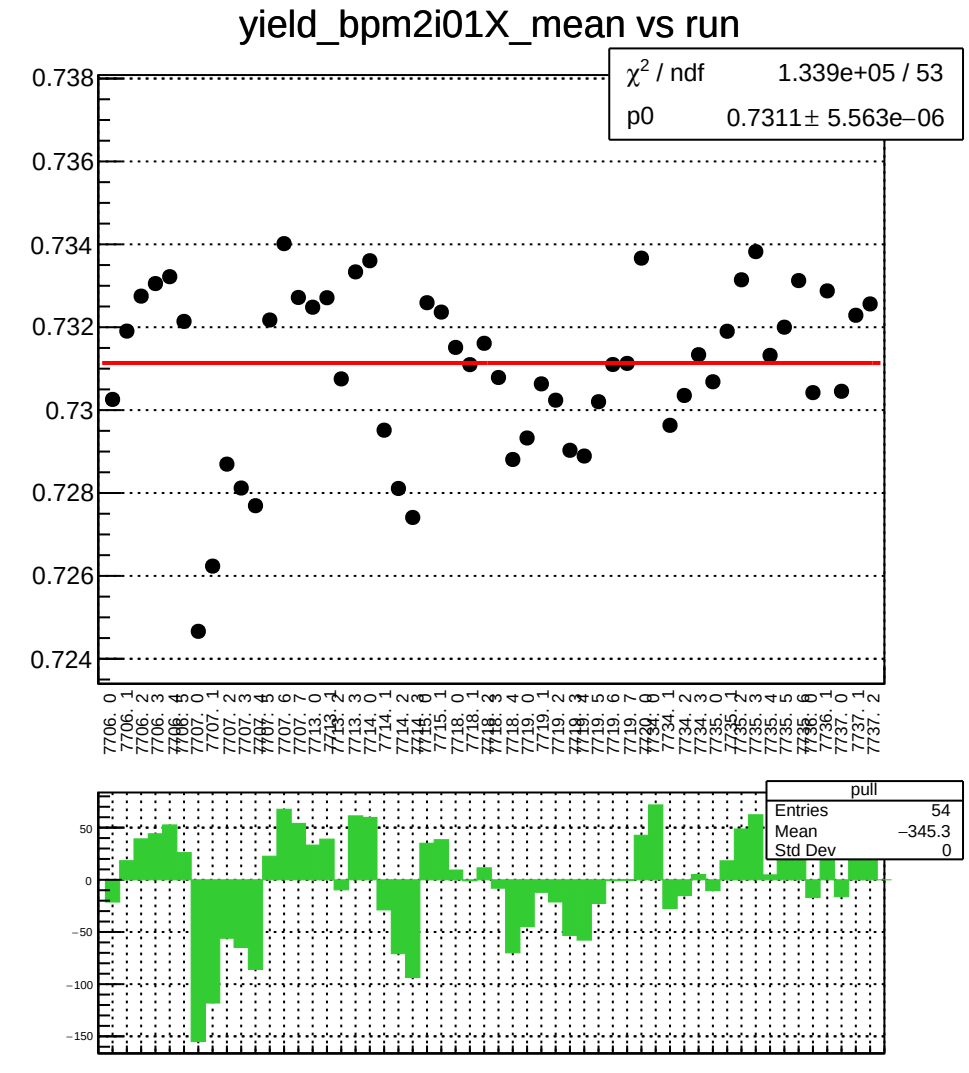

yield_bpm1i06X_mean vs run
χ² / ndf 1.078e+06 / 53
p0 2.966 ± 1.476e−05
pull
Entries 54
Mean 245.2
Std Dev 0
pull1D
Entries 54
Mean −0.3004
Std Dev 1.896

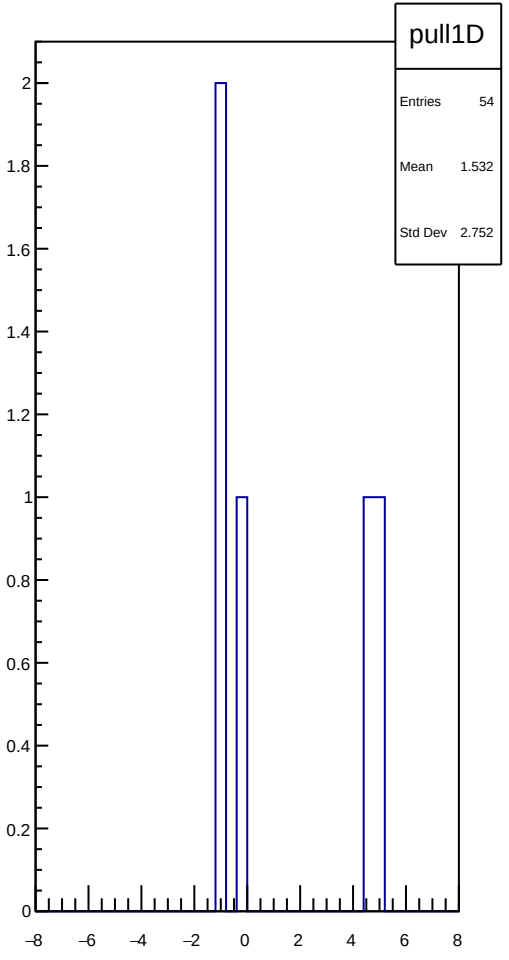

yield_bpm1i06X_rms vs run
χ² / ndf 1.237e+04 / 53
p0 0.01069 ± 1.044e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

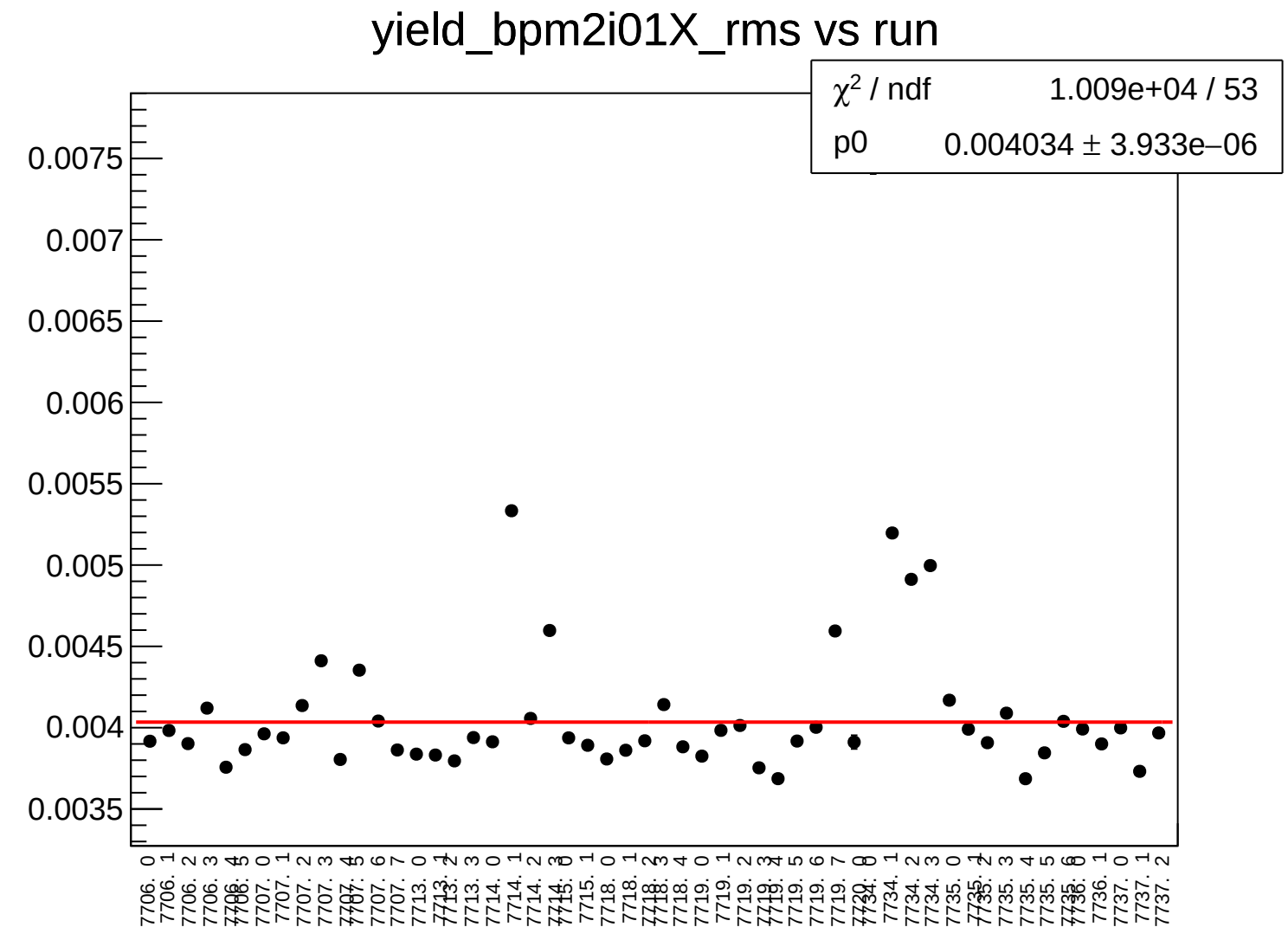

yield_bpm1i06Y_mean vs run
χ² / ndf 3.346e+06 / 53
p0 −1.199 ± 8.957e−06
−1.15
−1.16
−1.17
−1.18
−1.19
−1.2
−1.21
−1.22
pull
Entries 54
Mean −705
Std Dev 0
800
600
400
200
0
−200
−400

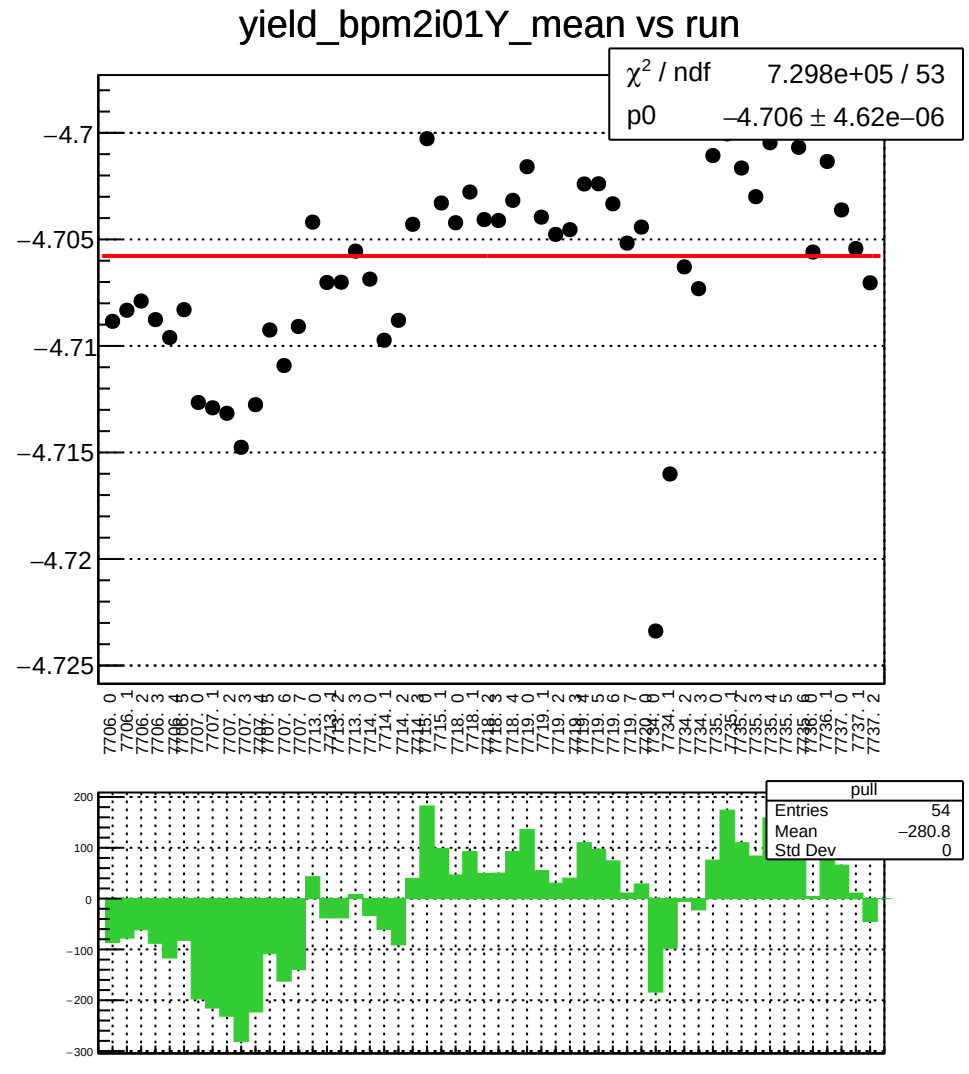

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

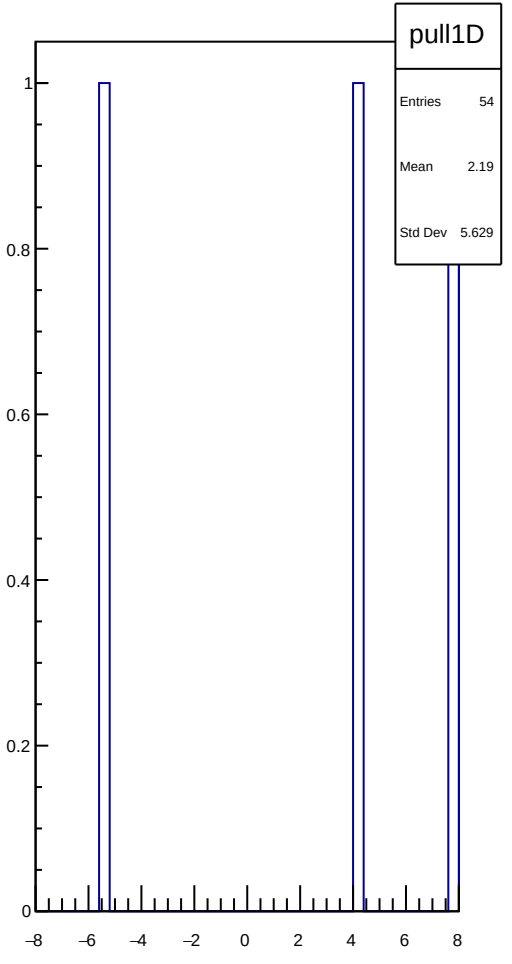

yield_bpm1i06Y_rms vs run
χ^2 / ndf 4.488e+04 / 53
p0 0.006387 ± 6.334e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

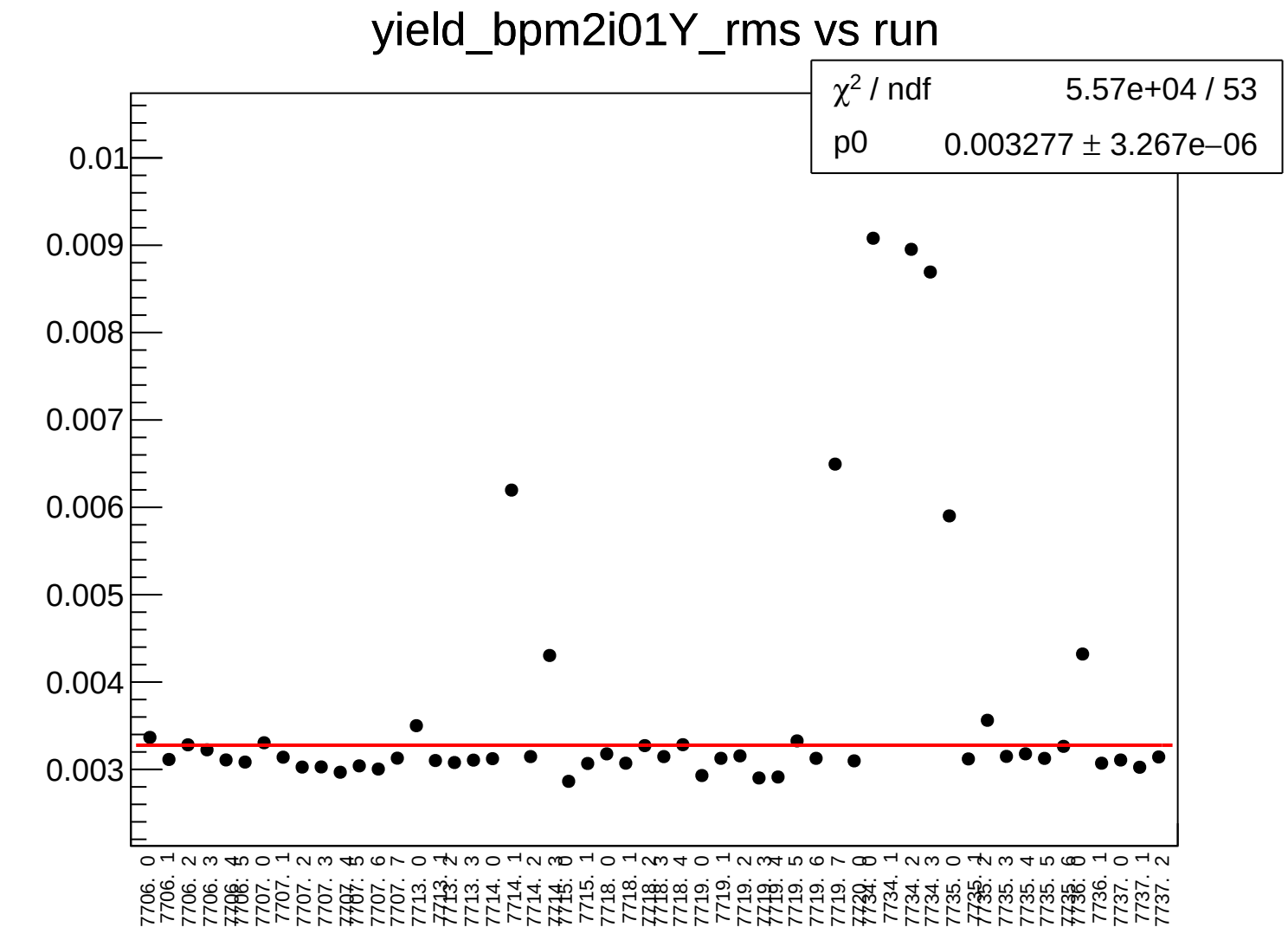

yield_bpm2i01X_mean vs run
χ² / ndf 1.339e+05 / 53
p0 0.7311 ± 5.563e−06
0.738
0.736
0.734
0.732
0.73
0.728
0.726
0.724
pull
Entries 54
Mean −345.3
Std Dev 0
50
0
−50
−100
−150

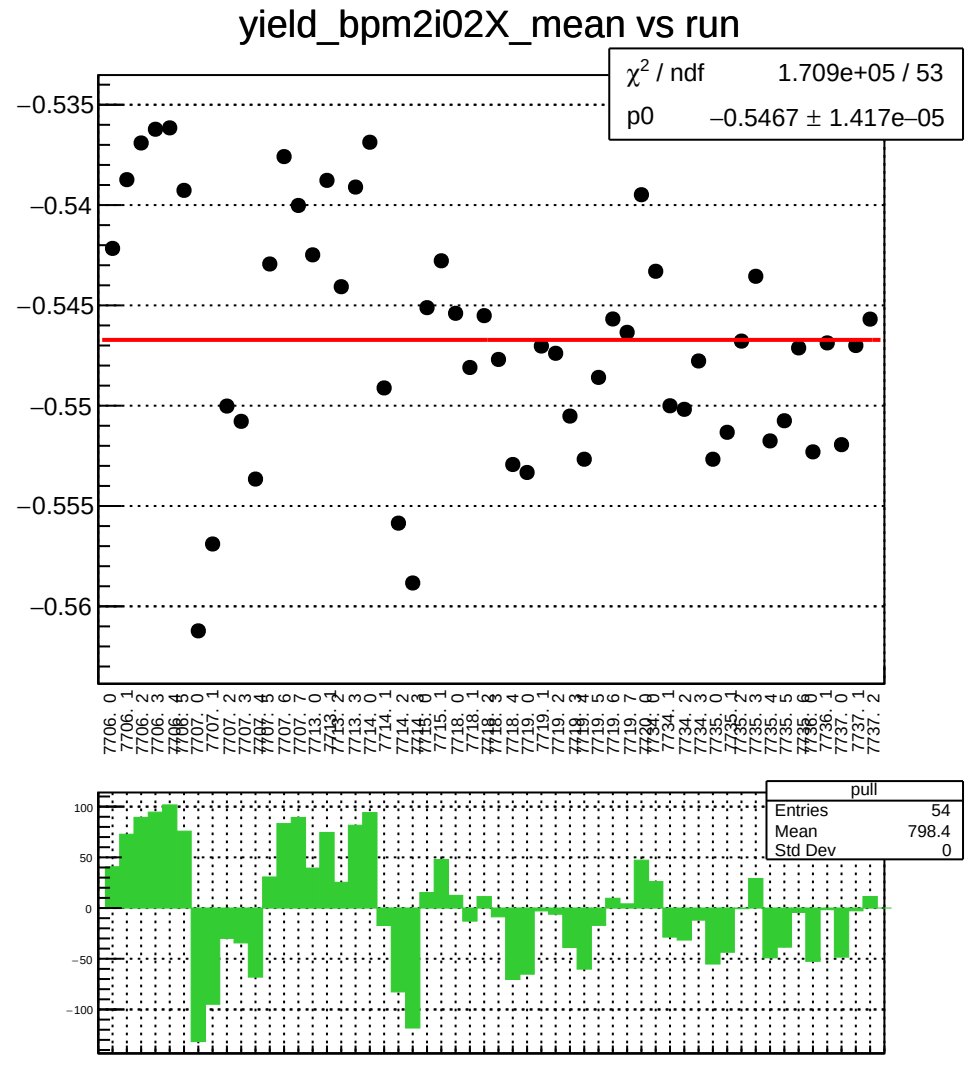

pull1D
Entries 54
Mean 1.532
Std Dev 2.752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

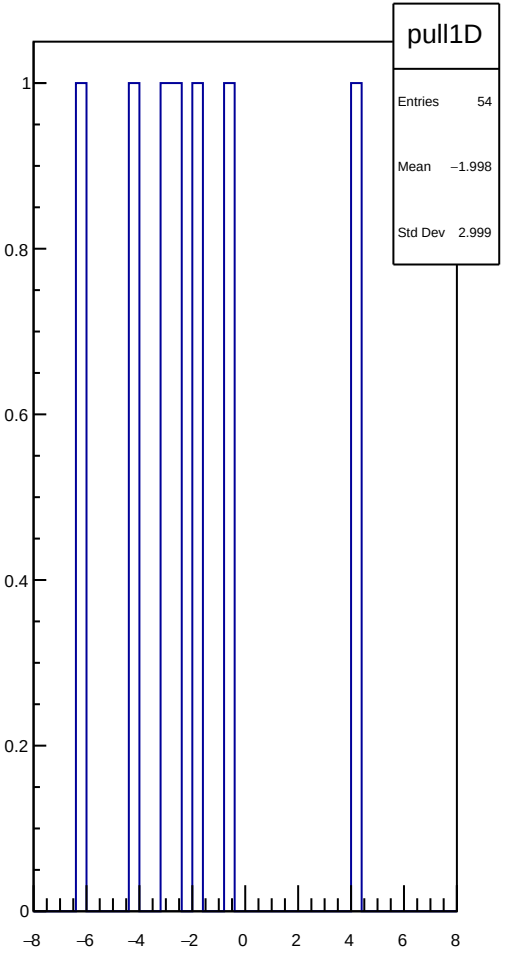

yield_bpm2i01X_rms vs run
χ² / ndf 1.009e+04 / 53
p0 0.004034 ± 3.933e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035

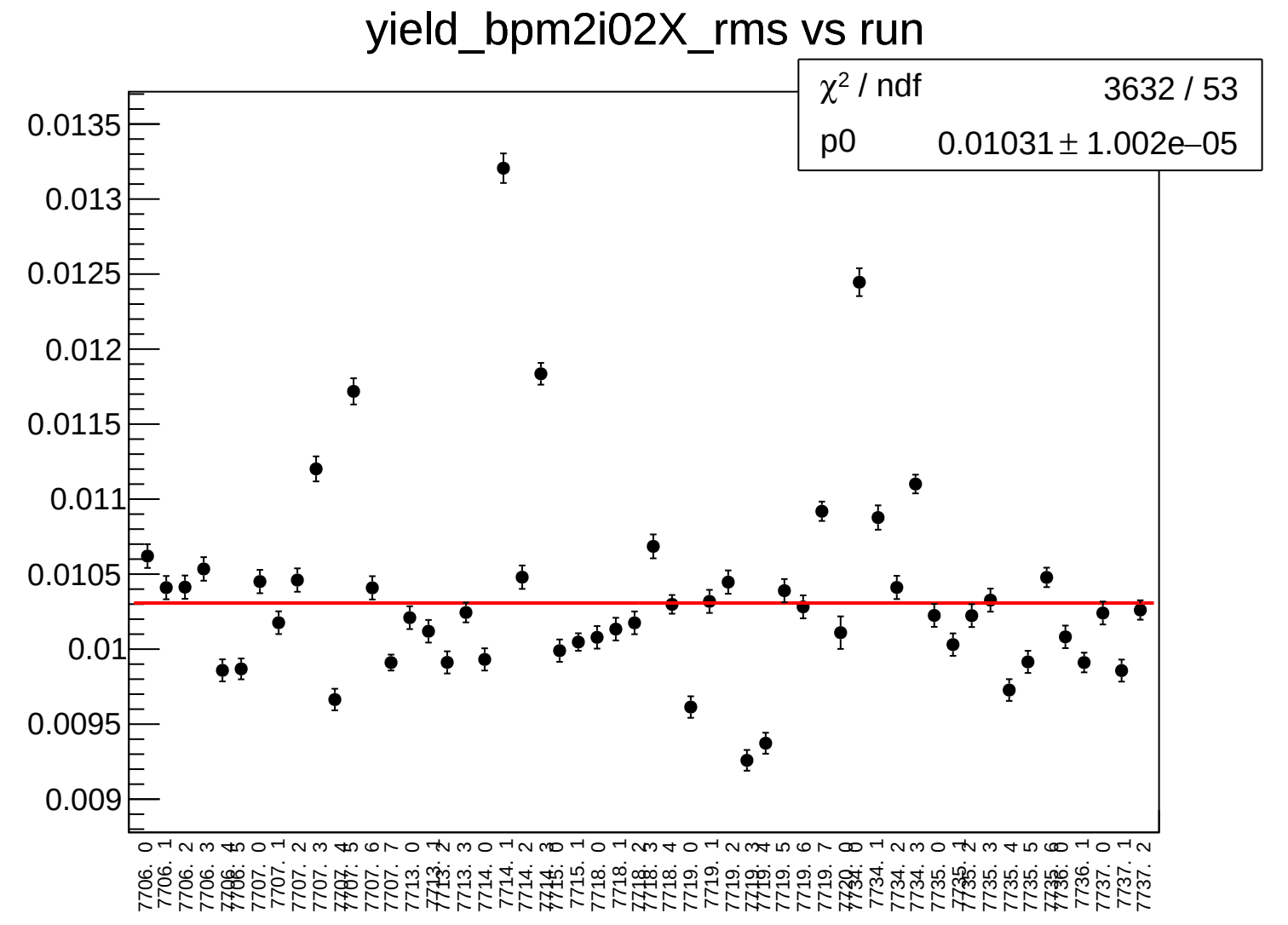

yield_bpm2i01Y_mean vs run
χ² / ndf 7.298e+05 / 53
p0 −4.706 ± 4.62e−06
−4.7
−4.705
−4.71
−4.715
−4.72
−4.725
pull
Entries 54
Mean −280.8
Std Dev 0
200
100
0
−100
−200
−300

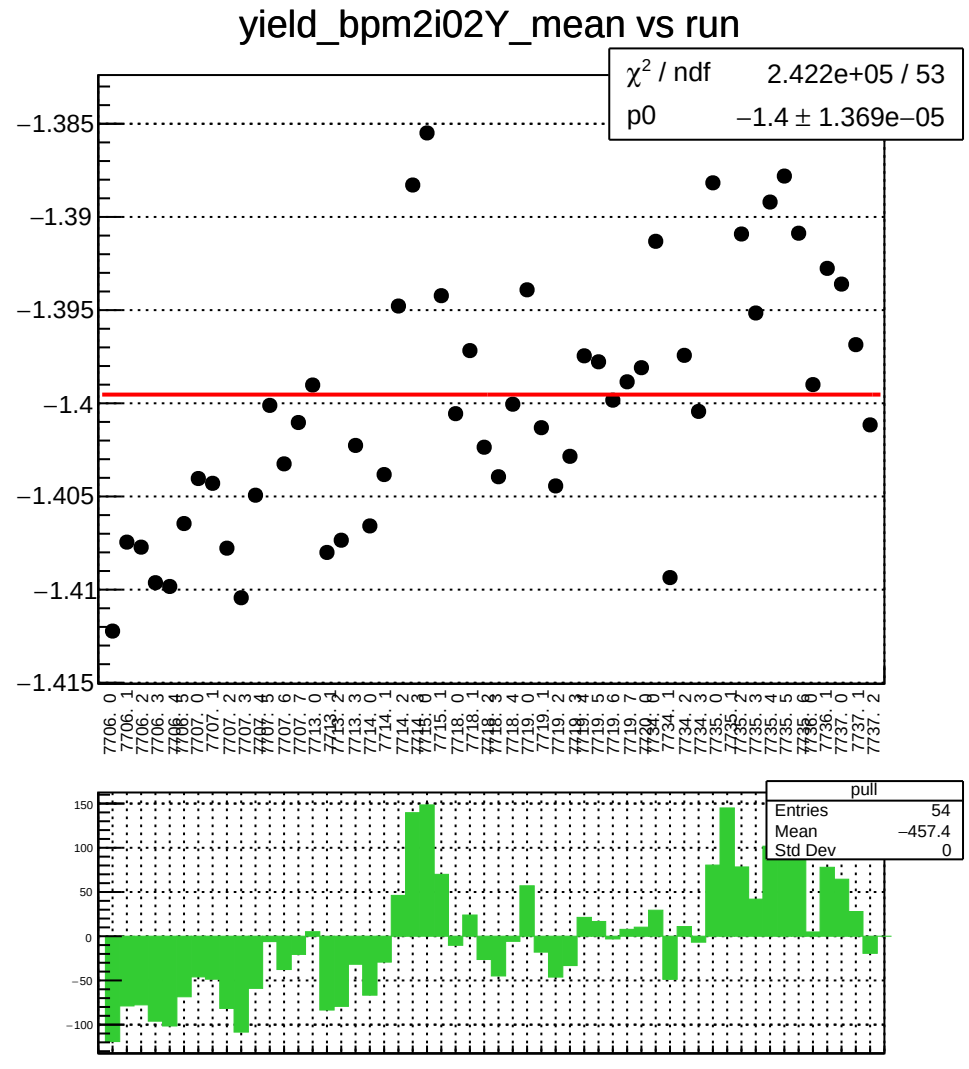

pull1D
Entries 54
Mean 2.19
Std Dev 5.629
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

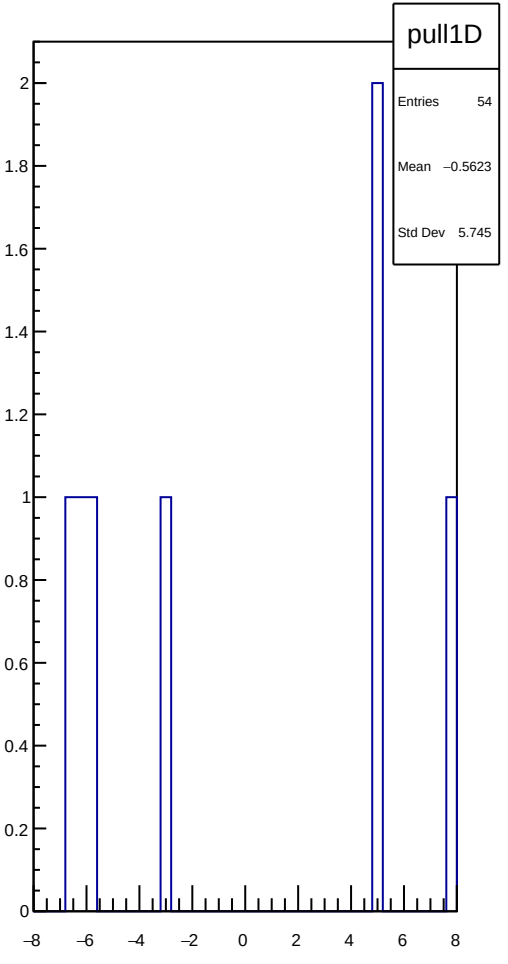

yield_bpm2i01Y_rms vs run
χ² / ndf 5.57e+04 / 53
p0 0.003277 ± 3.267e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

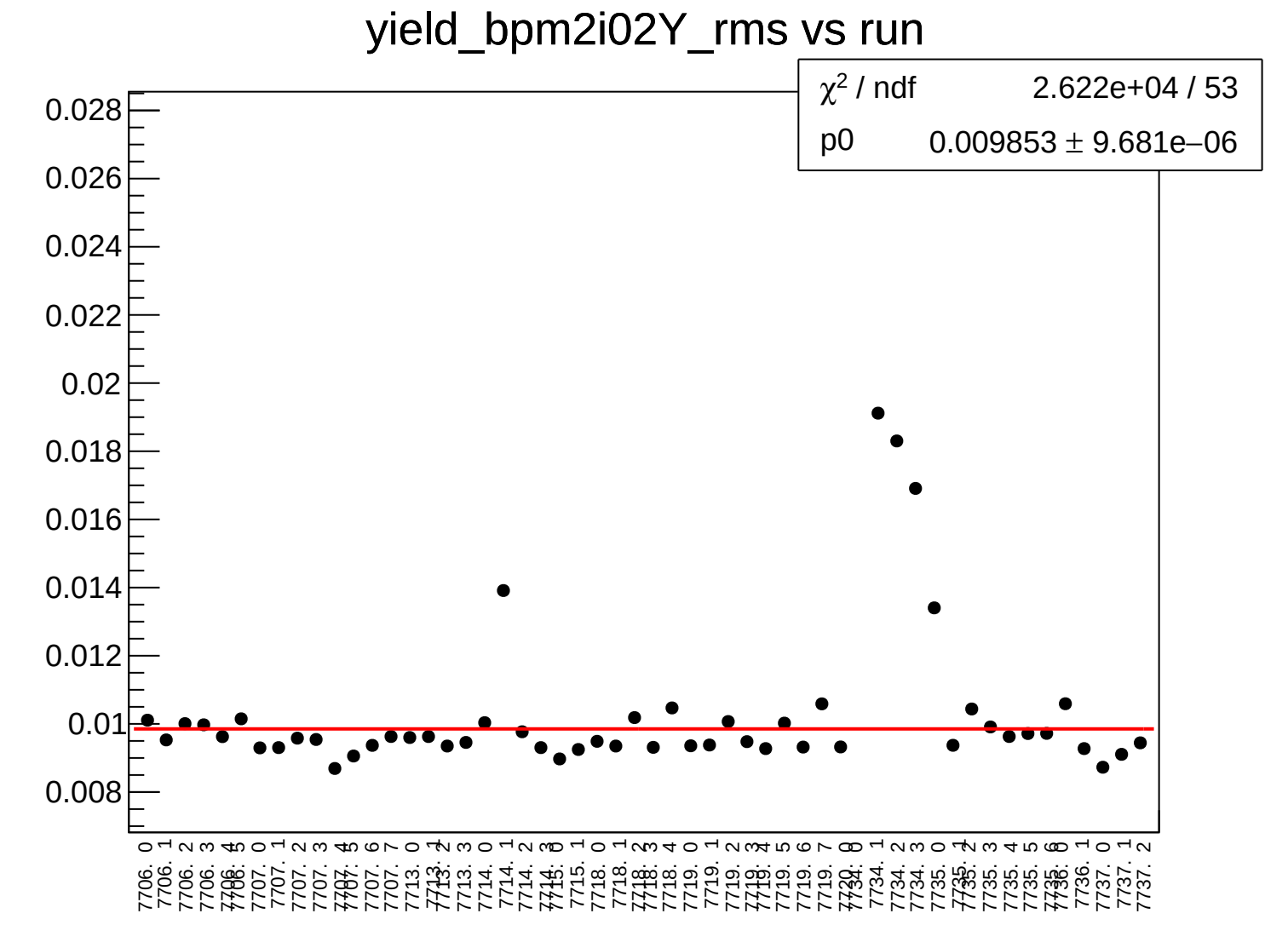

yield_bpm2i02X_mean vs run
χ² / ndf 1.709e+05 / 53
p0 −0.5467 ± 1.417e−05
−0.535
−0.54
−0.545
−0.55
−0.555
−0.56
pull
Entries 54
Mean 798.4
Std Dev 0
100
50
0
−50
−100

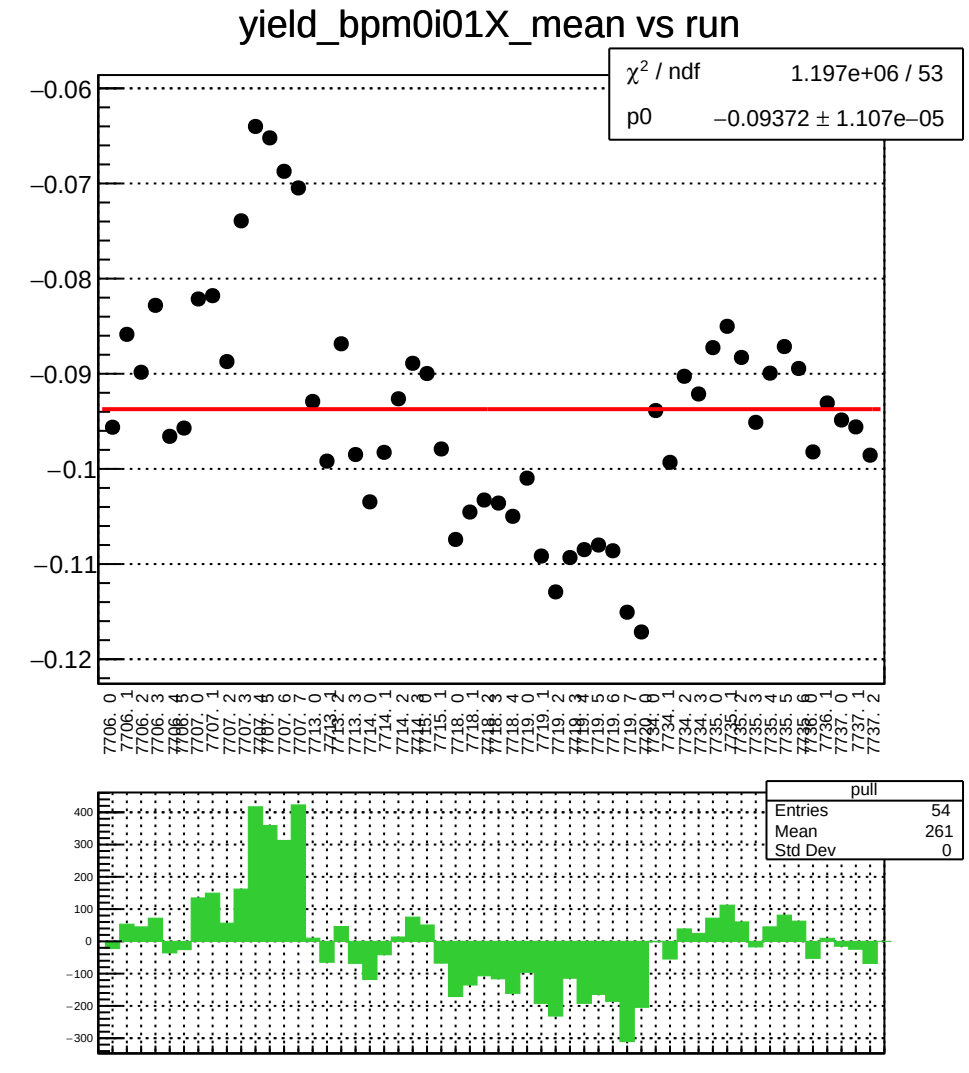

pull1D
Entries 54
Mean −1.998
Std Dev 2.999
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

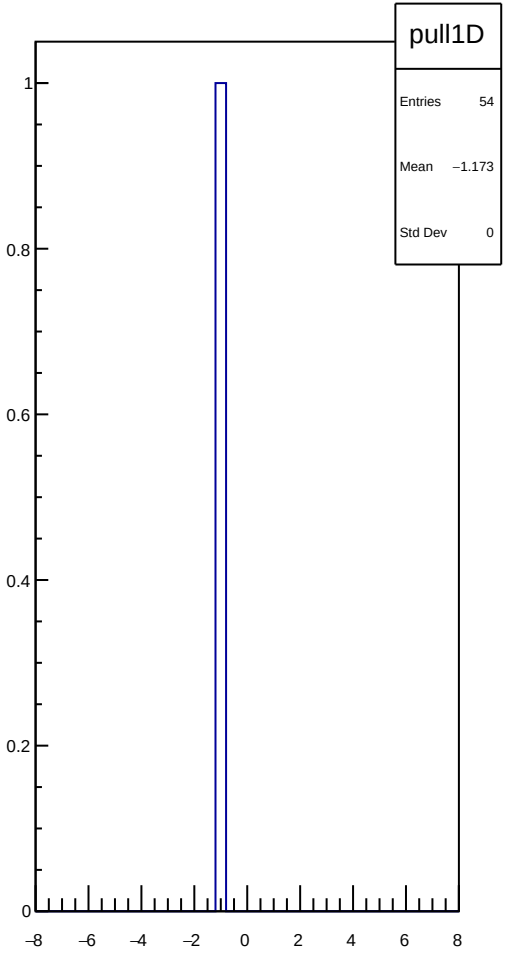

yield_bpm2i02X_rms vs run
χ² / ndf 3632 / 53
p0 0.01031 ± 1.002e–05
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

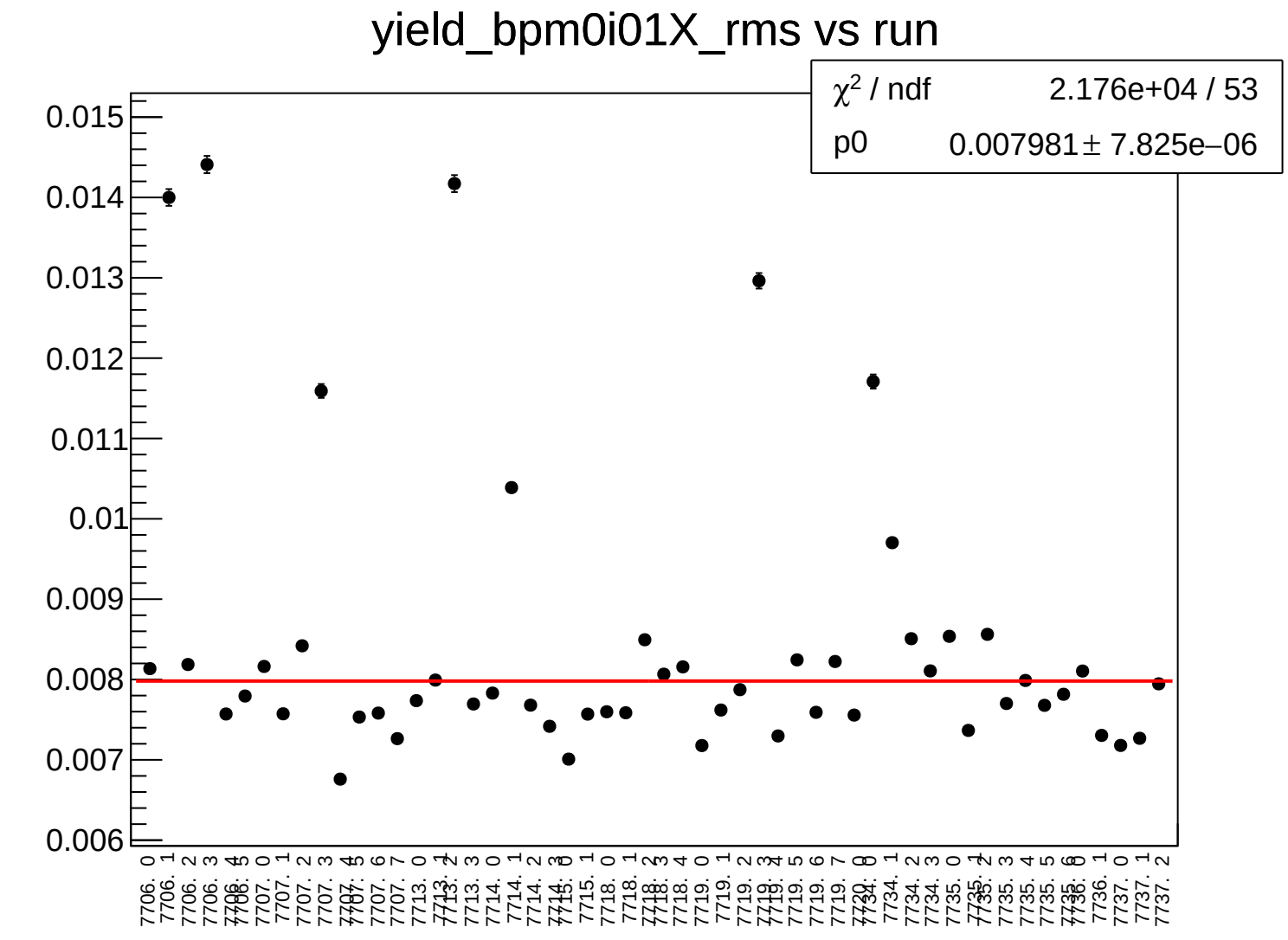

yield_bpm2i02Y_mean vs run
χ² / ndf 2.422e+05 / 53
p0 −1.4 ± 1.369e−05
−1.385
−1.39
−1.395
−1.4
−1.405
−1.41
−1.415
pull
Entries 54
Mean −457.4
Std Dev 0
150
100
50
0
−50
−100

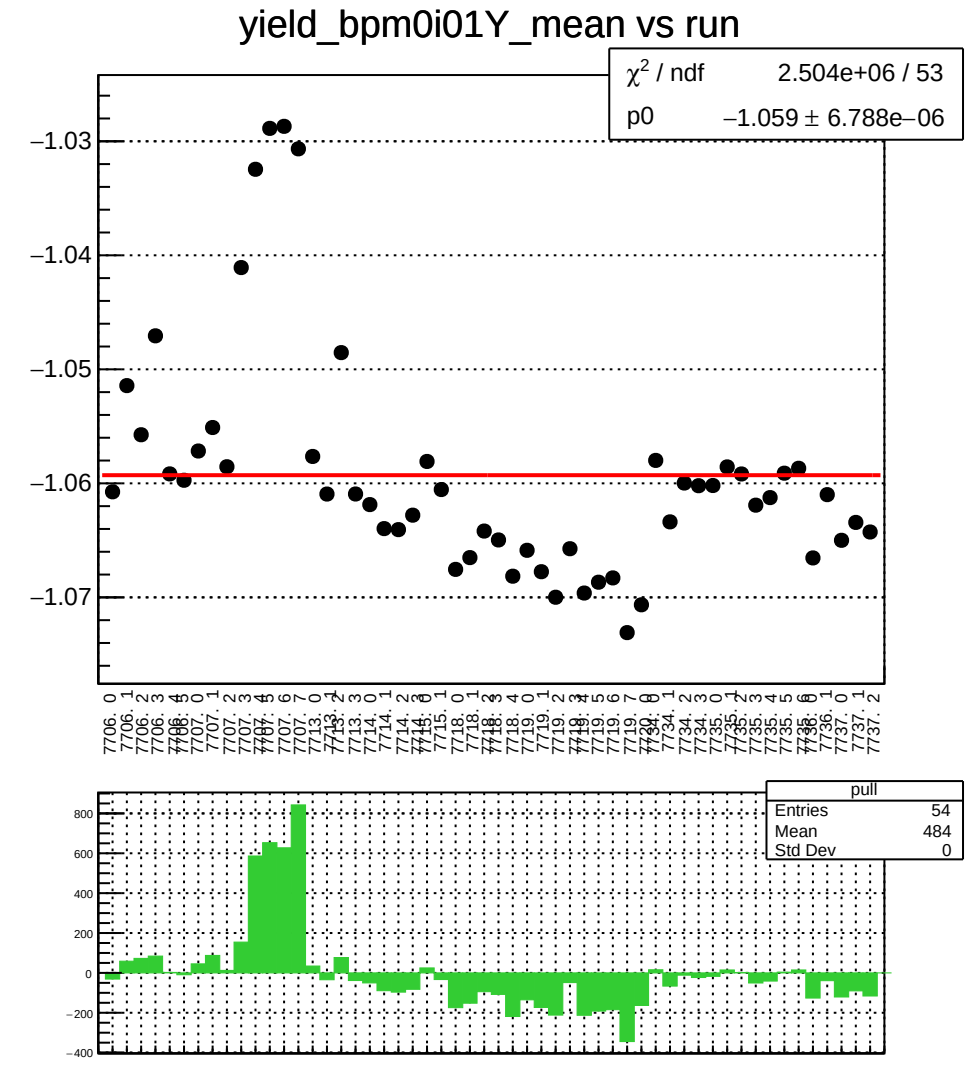

pull1D
Entries 54
Mean −0.5623
Std Dev 5.745
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

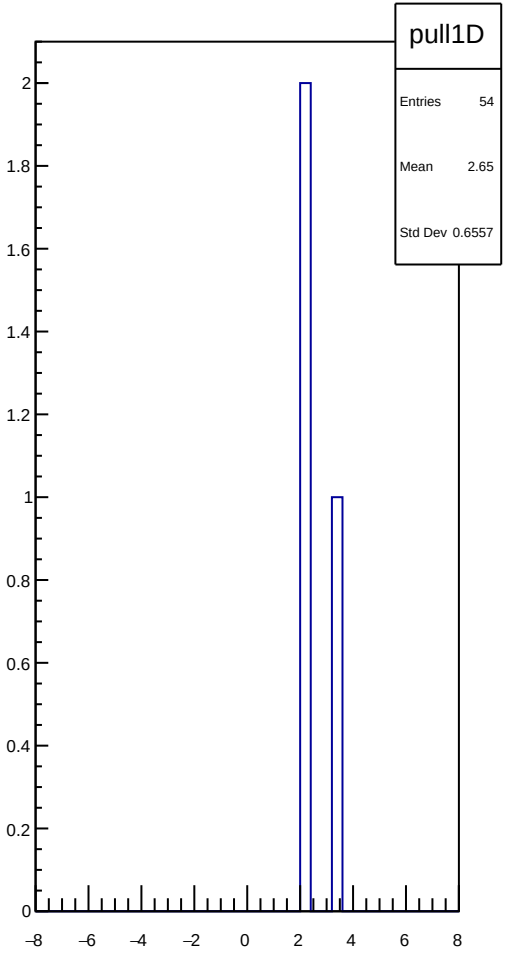

yield_bpm2i02Y_rms vs run
χ^2 / ndf 2.622e+04 / 53
p0 0.009853 ± 9.681e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

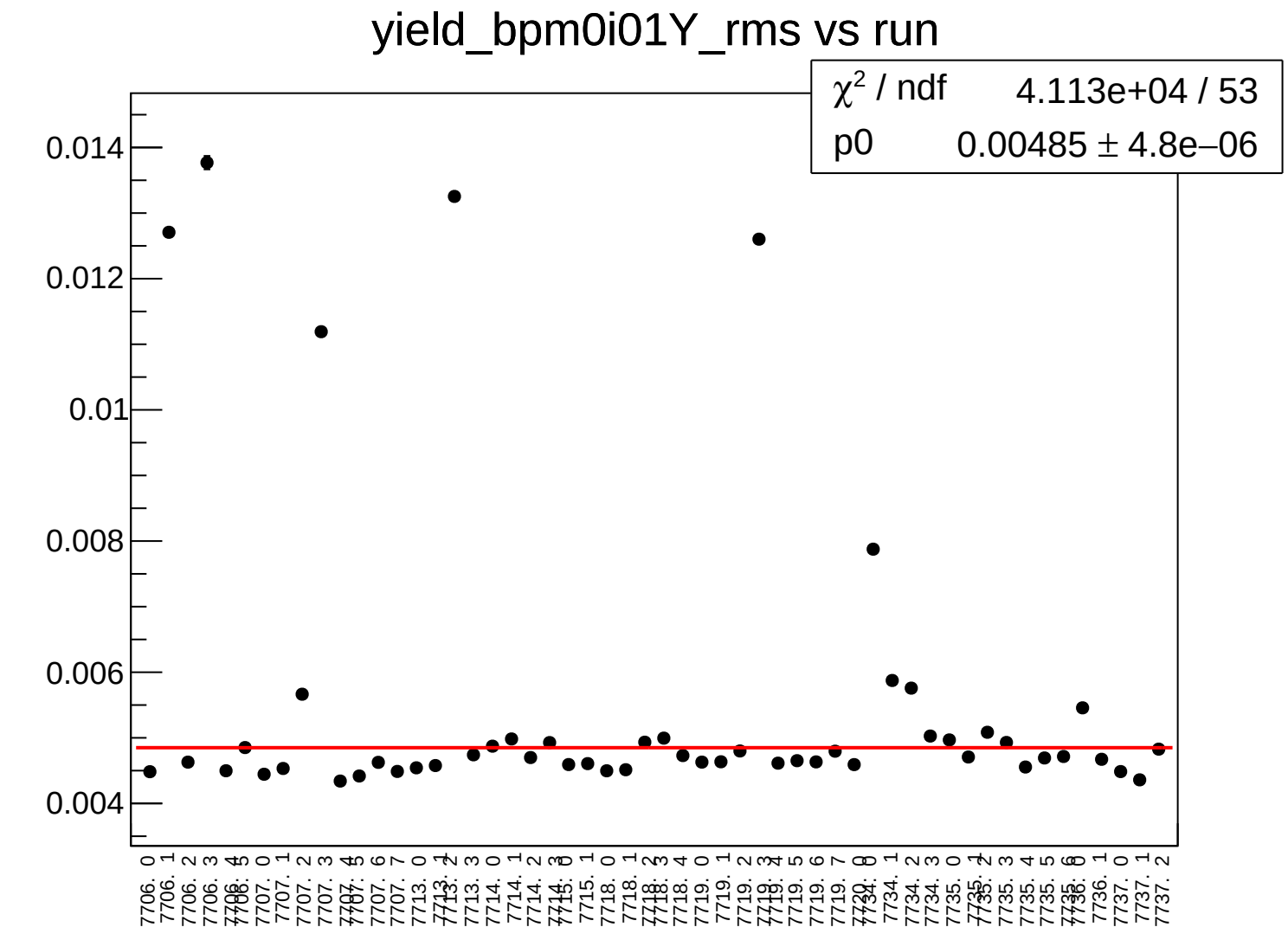

yield_bpm0i01X_mean vs run
χ² / ndf 1.197e+06 / 53
p0 −0.09372 ± 1.107e−05
−0.06
−0.07
−0.08
−0.09
−0.1
−0.11
−0.12
pull
Entries 54
Mean 261
Std Dev 0
400
300
200
100
0
−100
−200
−300

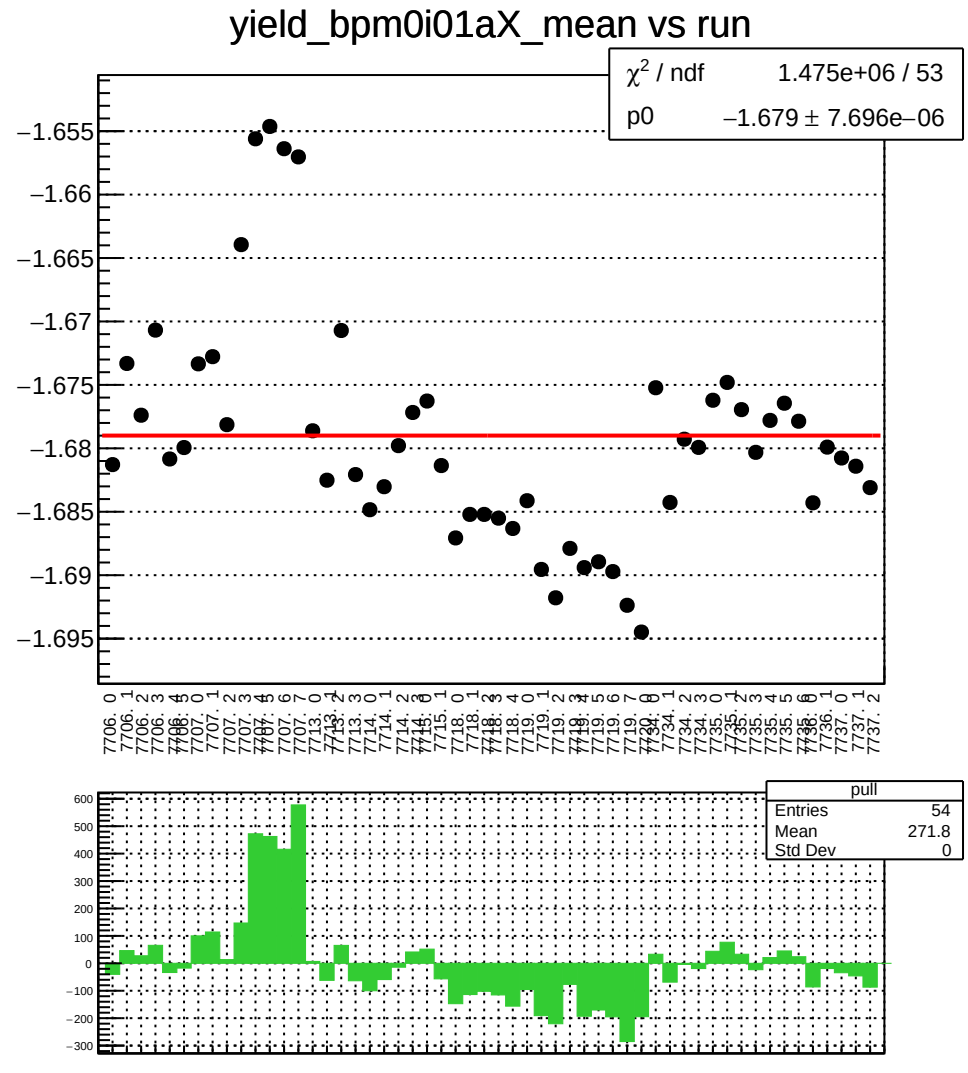

pull1D
Entries 54
Mean −1.173
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

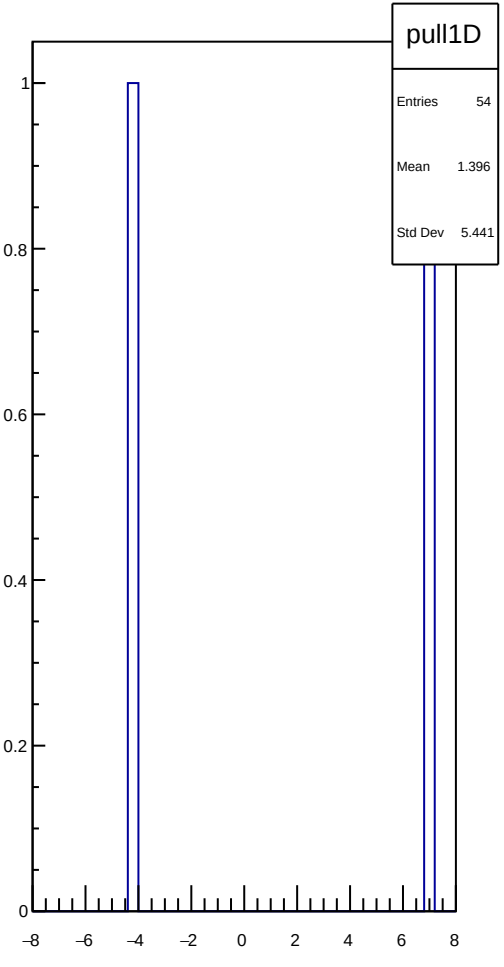

yield_bpm0i01X_rms vs run
χ² / ndf 2.176e+04 / 53
p0 0.007981 ± 7.825e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

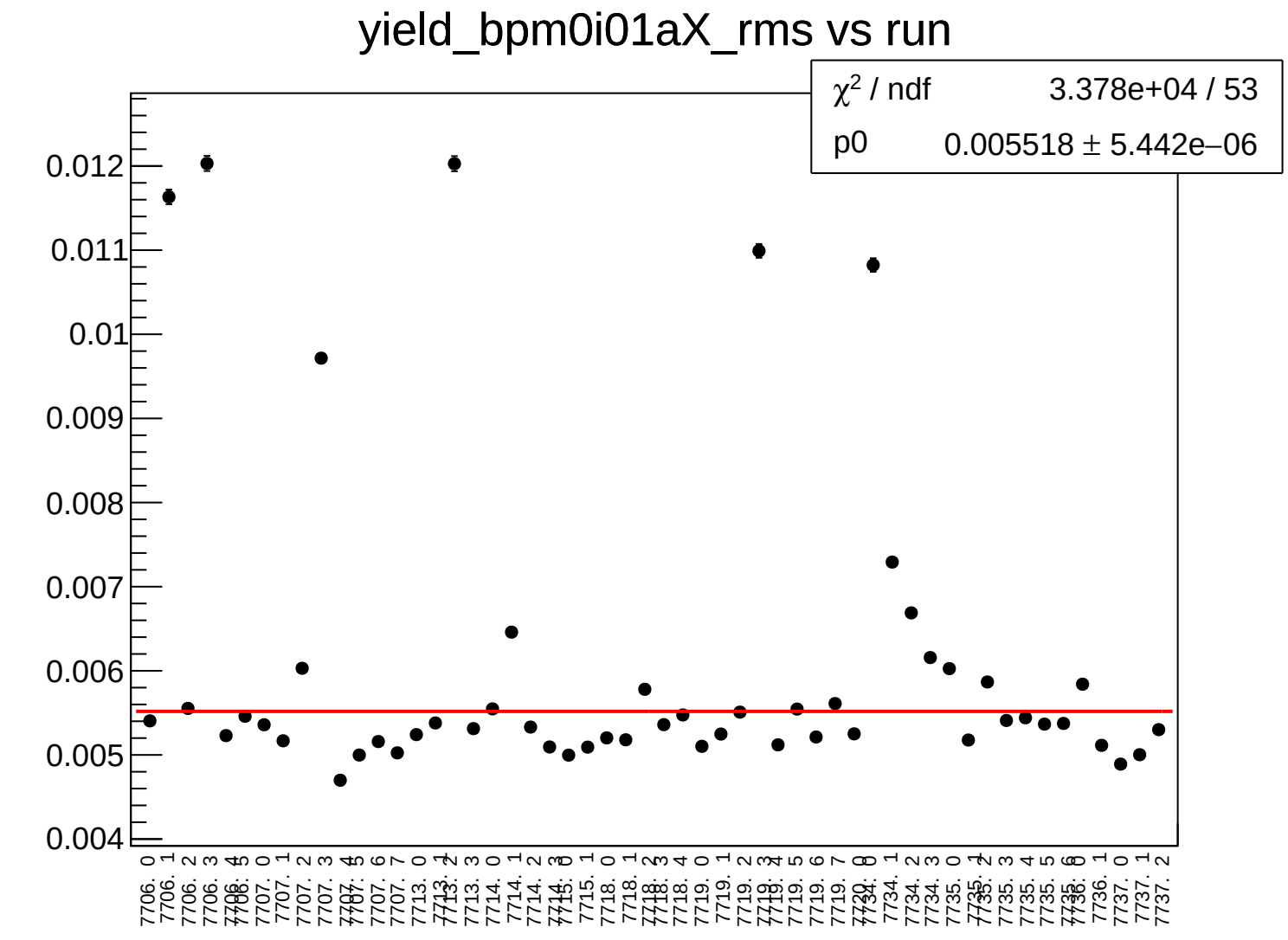

yield_bpm0i01Y_mean vs run
χ² / ndf 2.504e+06 / 53
p0 −1.059 ± 6.788e−06
−1.03
−1.04
−1.05
−1.06
−1.07
pull
Entries 54
Mean 484
Std Dev 0
800
600
400
200
0
−200
−400

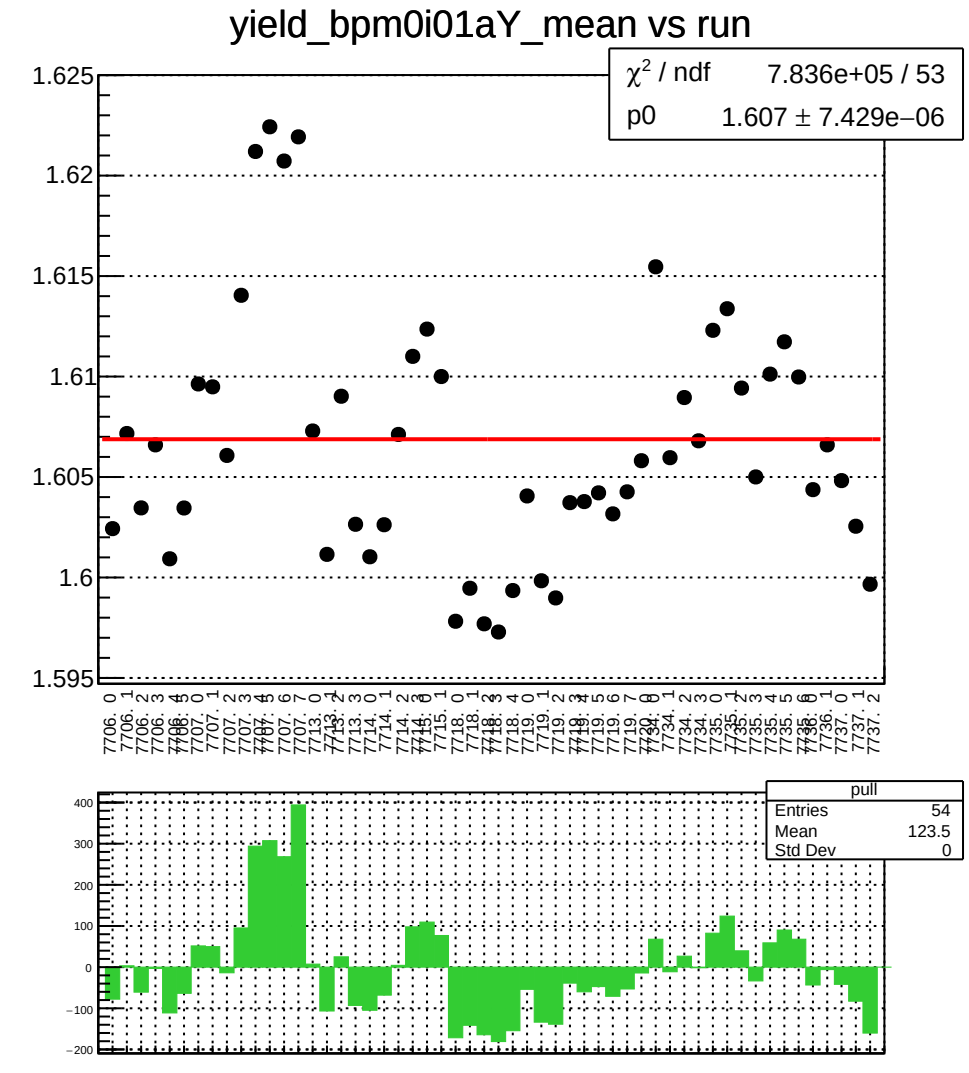

pull1D
Entries 54
Mean 2.65
Std Dev 0.6557
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

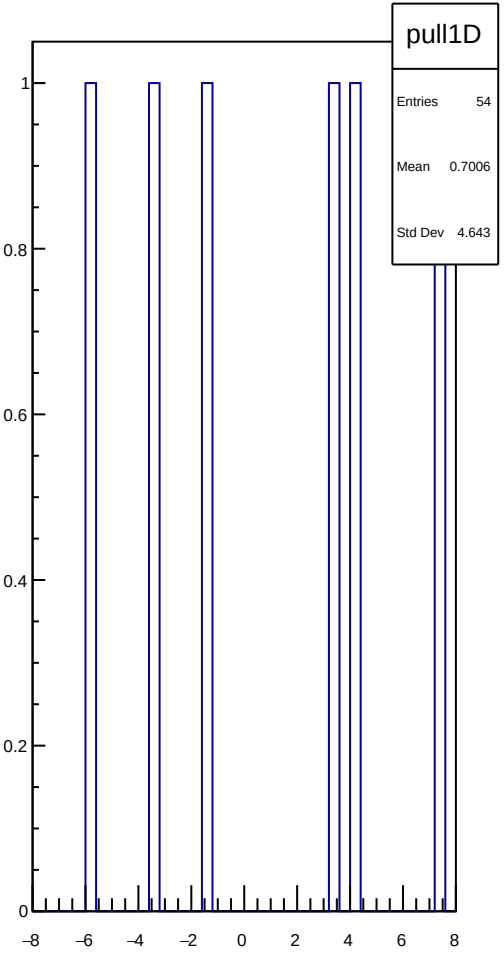

yield_bpm0i01Y_rms vs run
χ² / ndf 4.113e+04 / 53
p0 0.00485 ± 4.8e−06
0.014
0.012
0.01
0.008
0.006
0.004

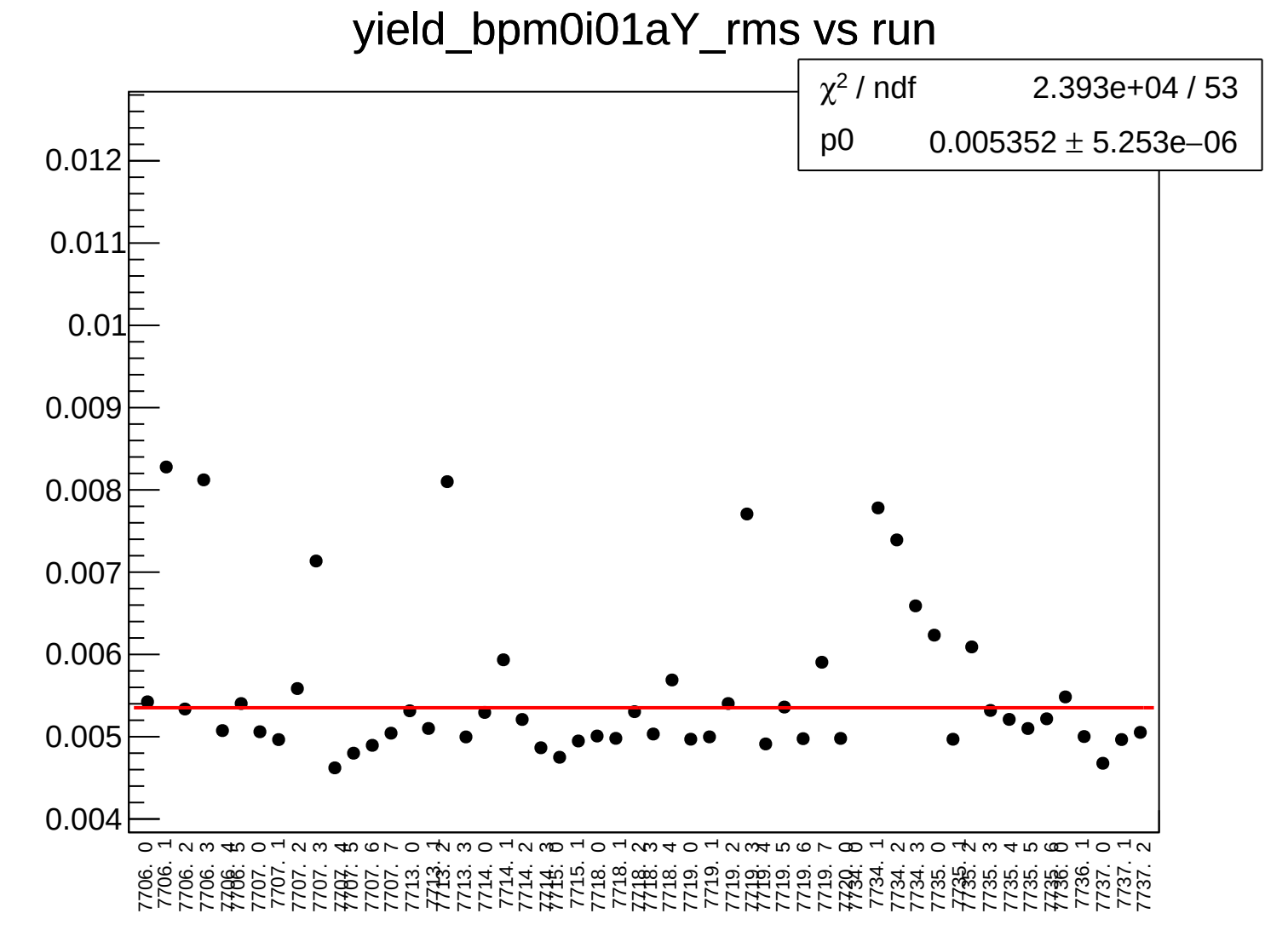

yield_bpm0i01aX_mean vs run
χ² / ndf 1.475e+06 / 53
p0 −1.679 ± 7.696e−06
−1.655
−1.66
−1.665
−1.67
−1.675
−1.68
−1.685
−1.69
−1.695
pull
Entries 54
Mean 271.8
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

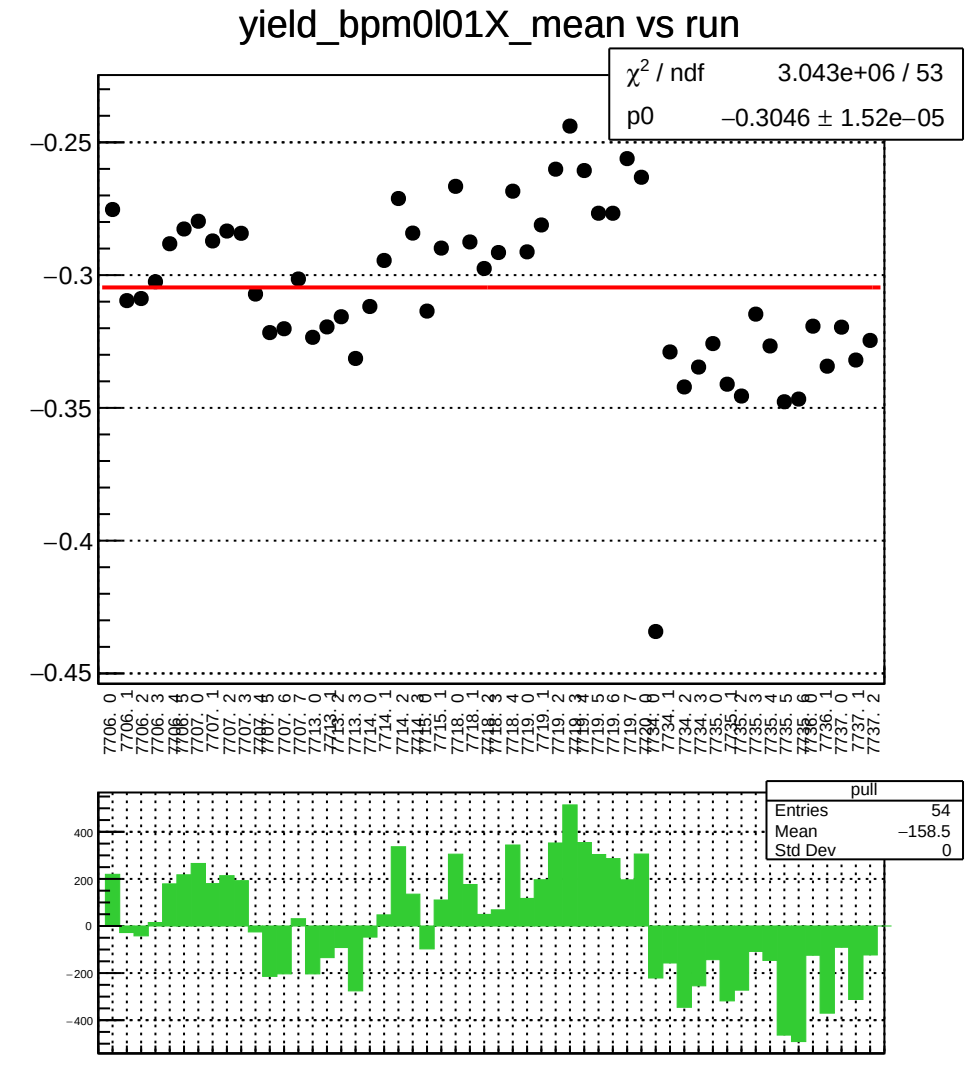

pull1D
Entries 54
Mean 1.396
Std Dev 5.441
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

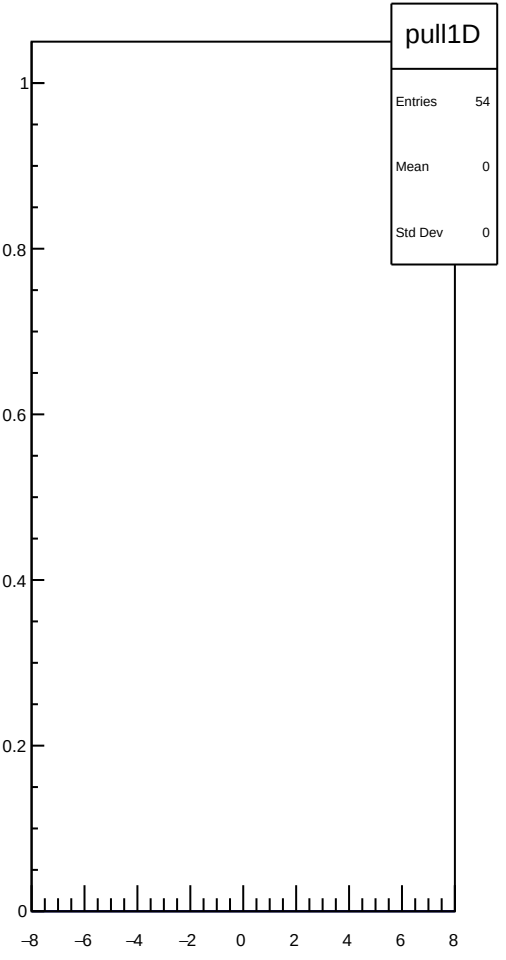

yield_bpm0i01aX_rms vs run
χ² / ndf 3.378e+04 / 53
p0 0.005518 ± 5.442e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

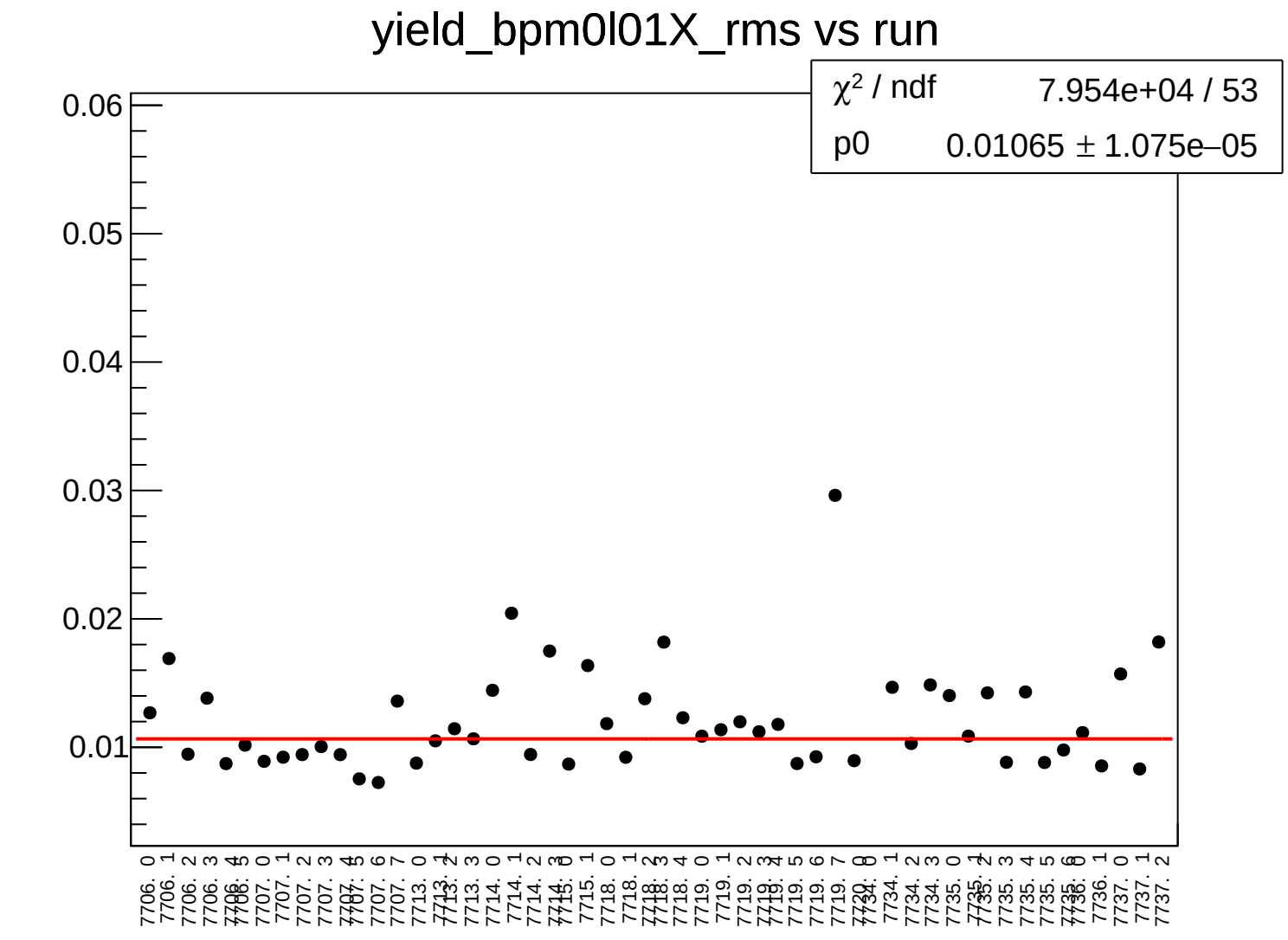

yield_bpm0i01aY_mean vs run
χ² / ndf 7.836e+05 / 53
p0 1.607 ± 7.429e−06
1.625
1.62
1.615
1.61
1.605
1.6
1.595
pull
Entries 54
Mean 123.5
Std Dev 0
400
300
200
100
0
−100
−200

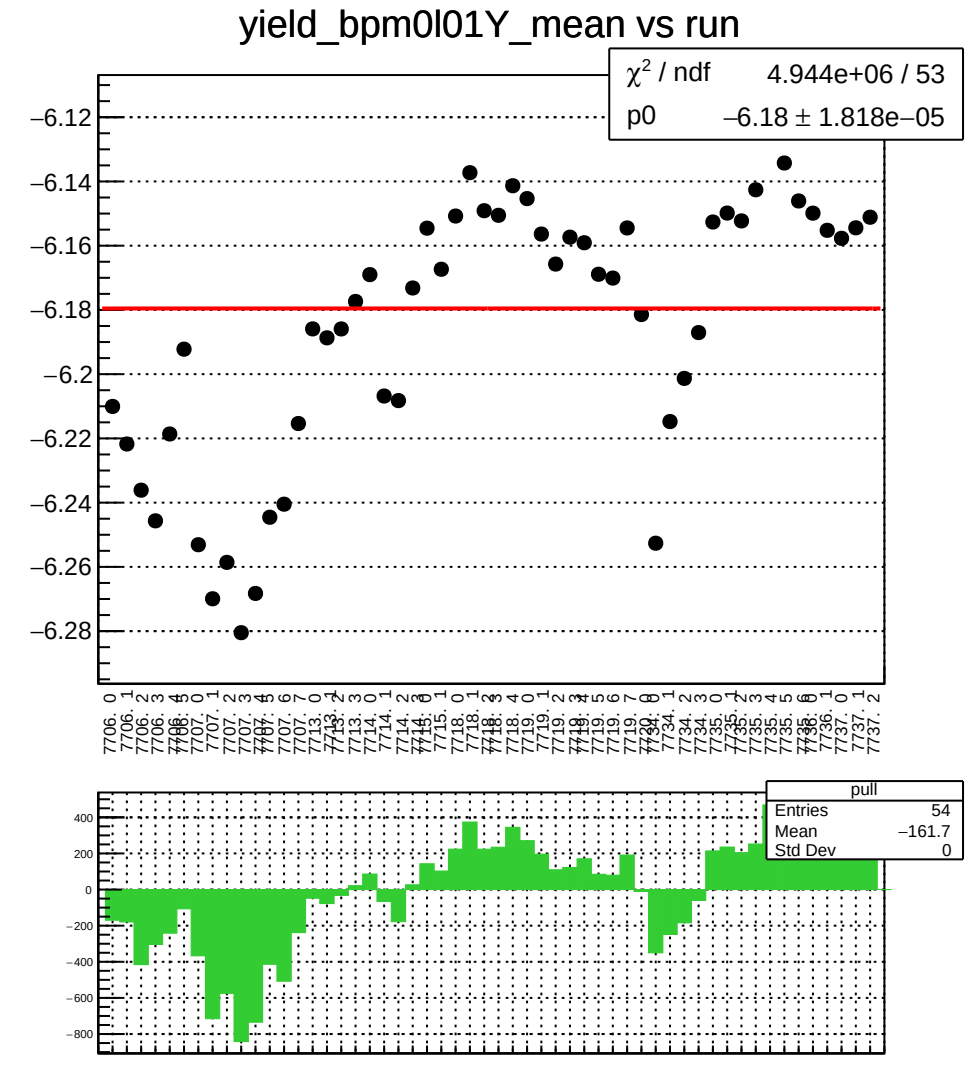

pull1D
Entries 54
Mean 0.7006
Std Dev 4.643
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

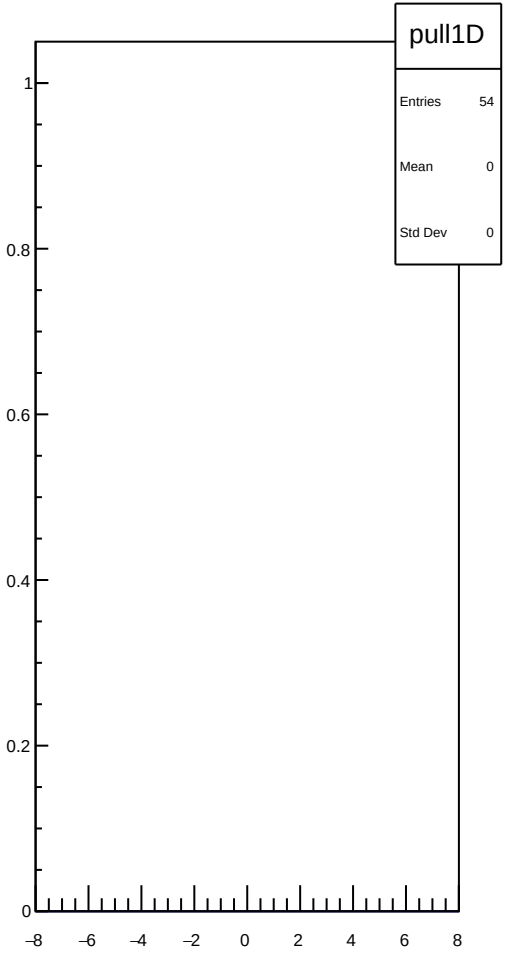

yield_bpm0i01aY_rms vs run
χ² / ndf 2.393e+04 / 53
p0 0.005352 ± 5.253e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

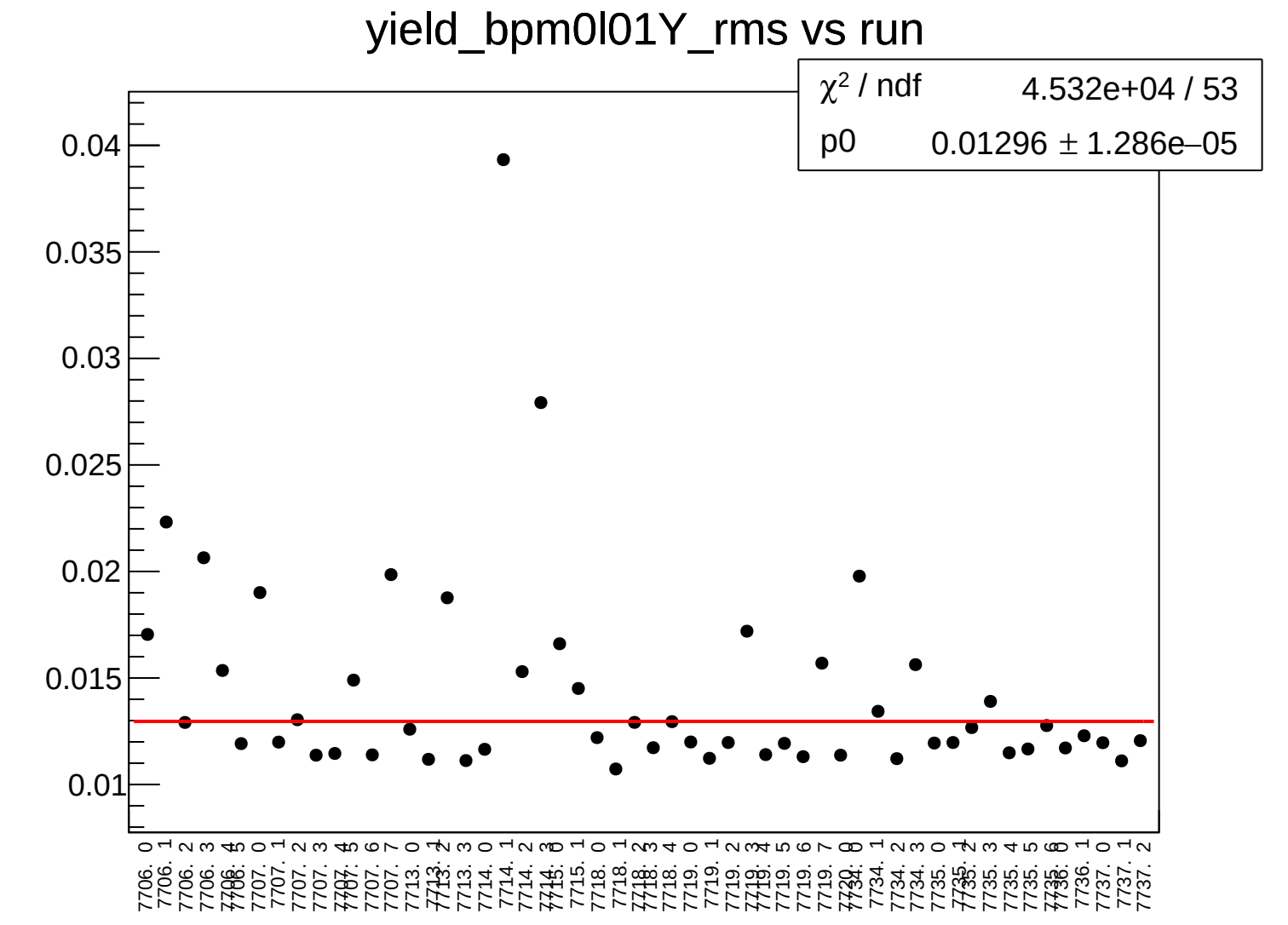

yield_bpm0l01X_mean vs run
χ² / ndf 3.043e+06 / 53
p0 −0.3046 ± 1.52e−05
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 54
Mean −158.5
Std Dev 0
400
200
0
−200
−400

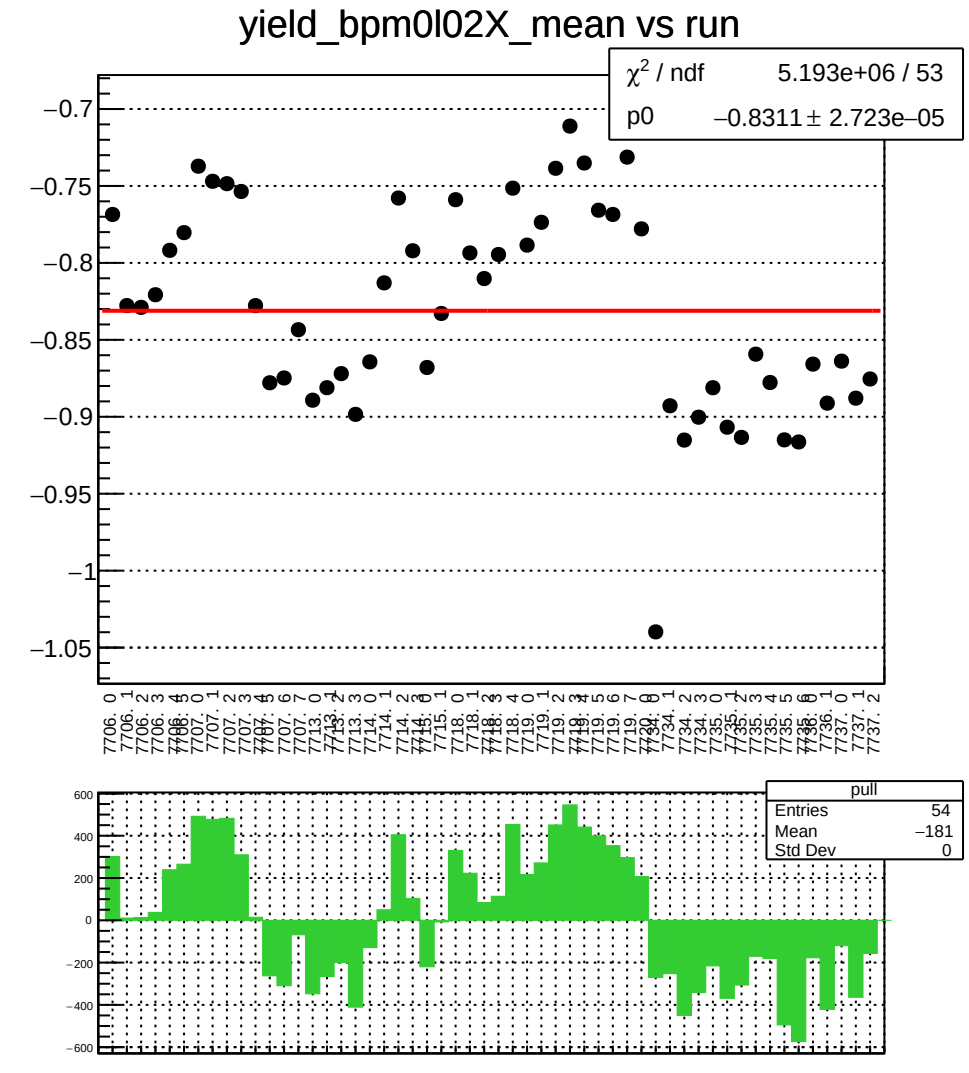

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

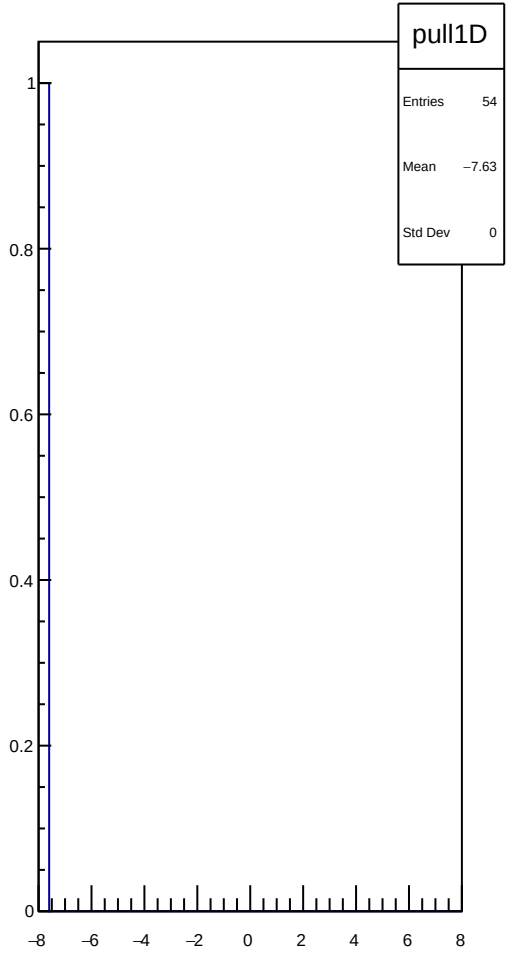

yield_bpm0l01X_rms vs run
χ² / ndf 7.954e+04 / 53
p0 0.01065 ± 1.075e−05
0.06
0.05
0.04
0.03
0.02
0.01

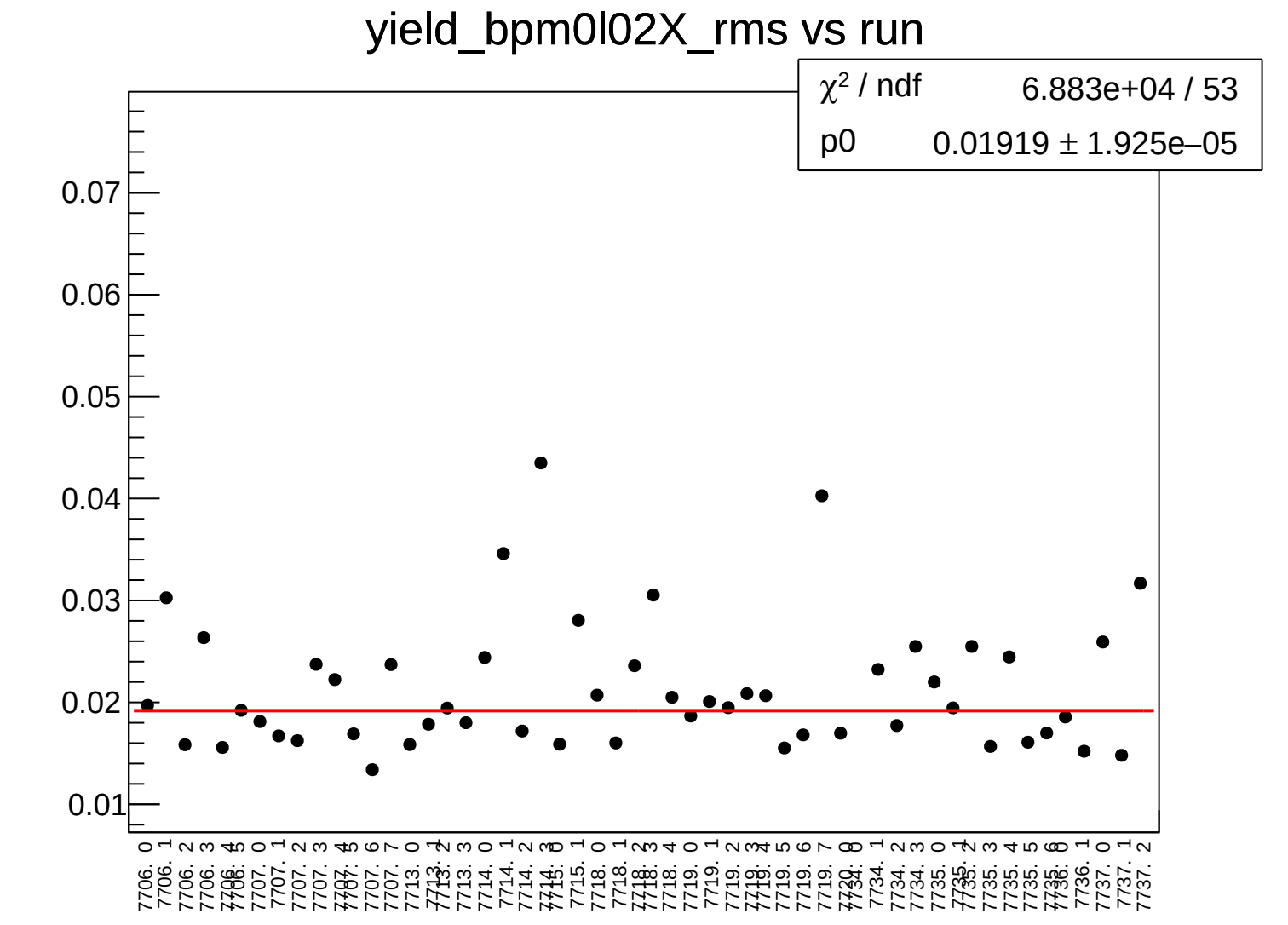

yield_bpm0l01Y_mean vs run
χ² / ndf 4.944e+06 / 53
p0 −6.18 ± 1.818e−05
−6.12
−6.14
−6.16
−6.18
−6.2
−6.22
−6.24
−6.26
−6.28
pull
Entries 54
Mean −161.7
Std Dev 0
400
200
0
−200
−400
−600
−800

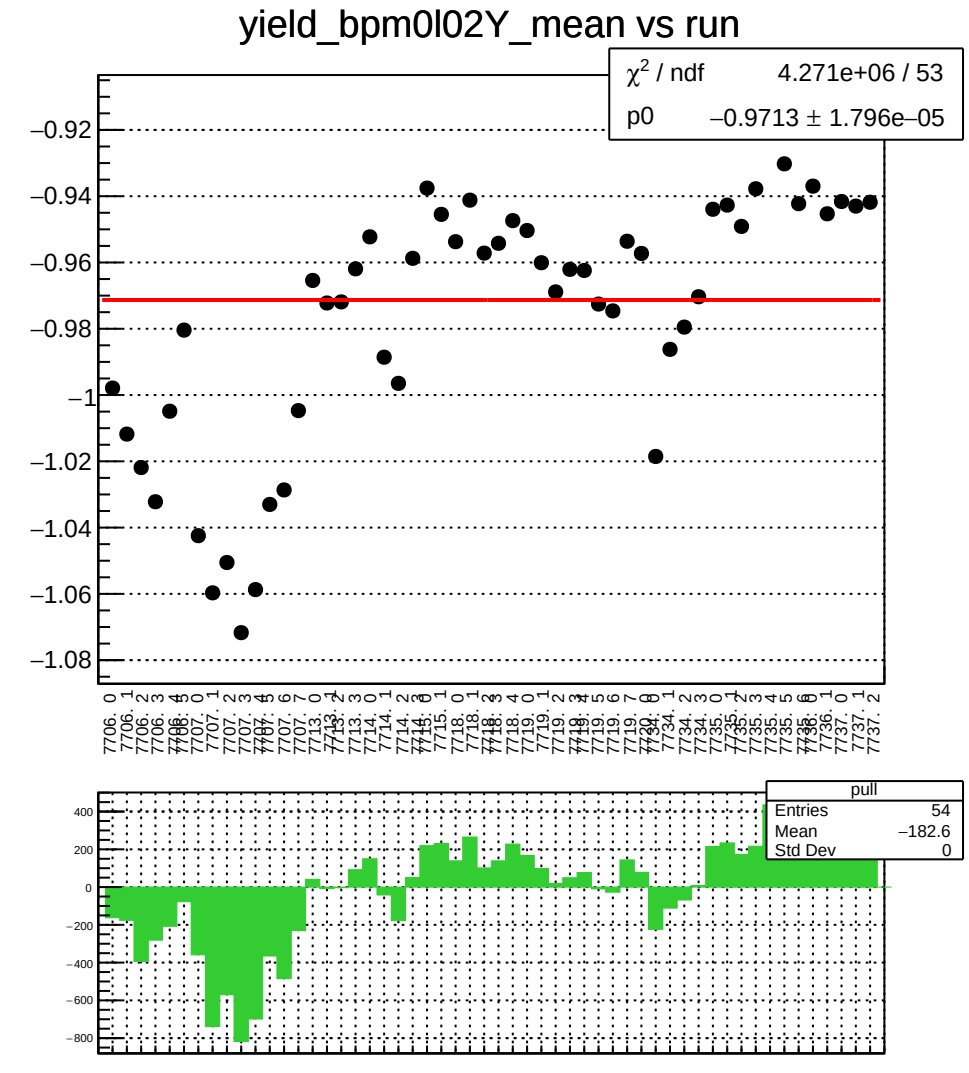

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

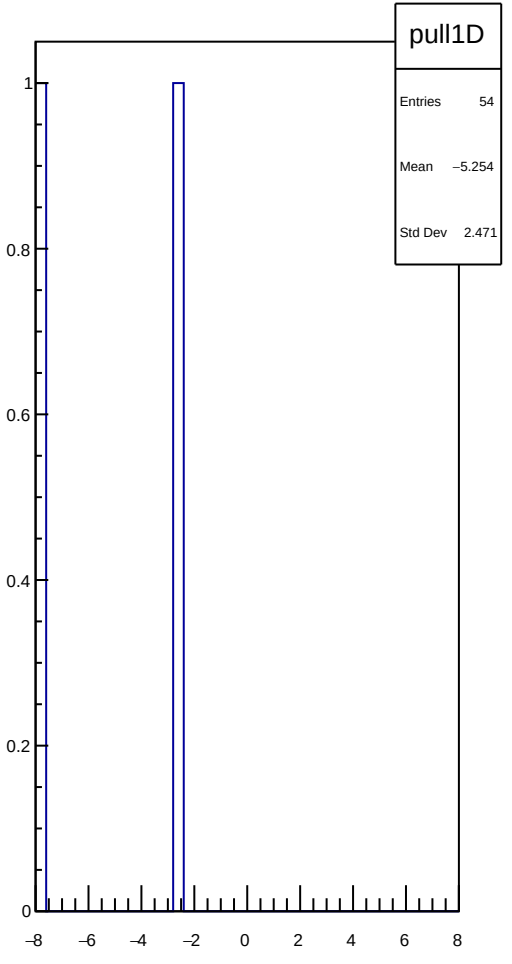

yield_bpm0l01Y_rms vs run
χ² / ndf 4.532e+04 / 53
p0 0.01296 ± 1.286e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

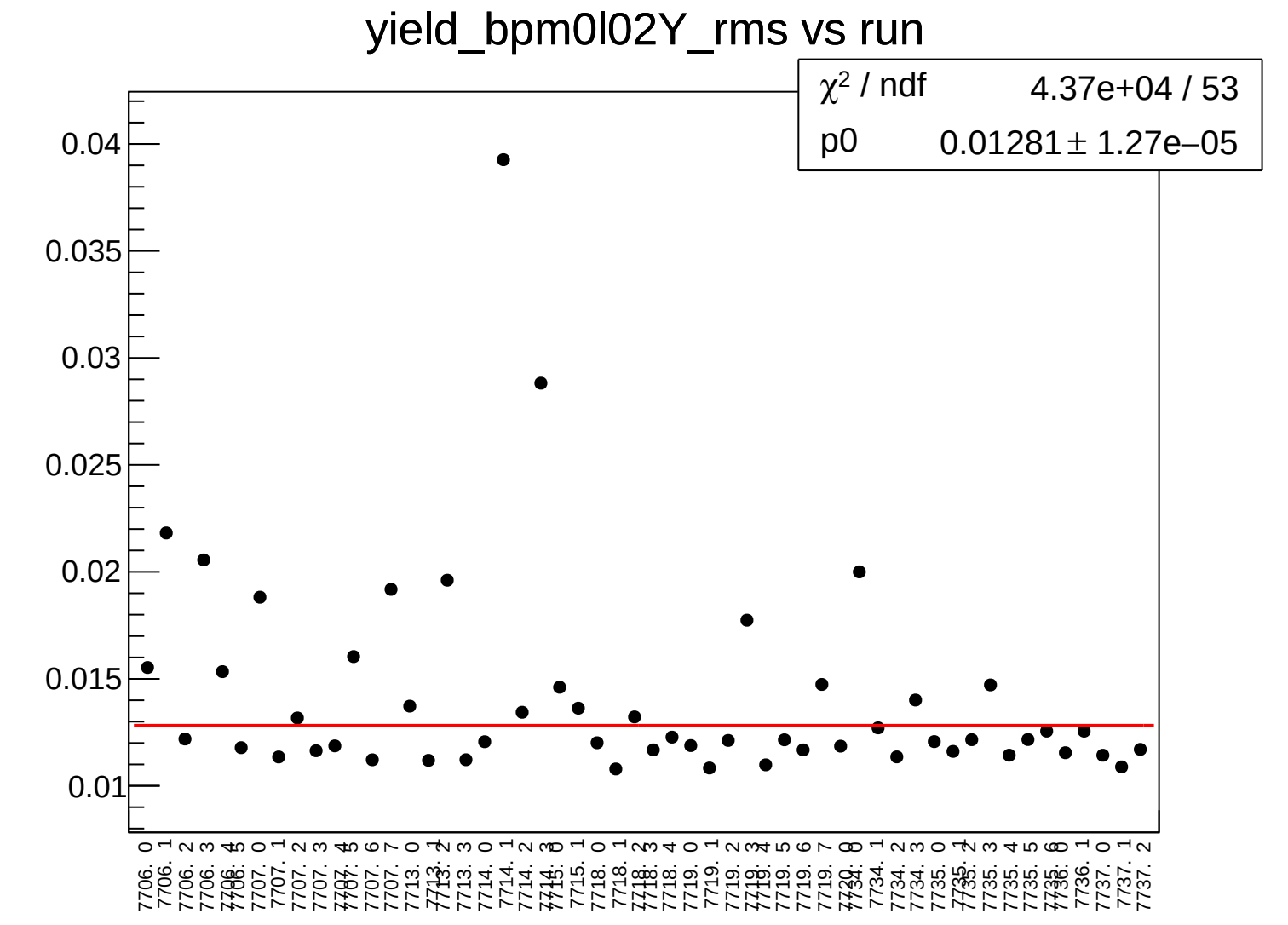

yield_bpm0l02X_mean vs run
χ² / ndf 5.193e+06 / 53
p0 −0.8311 ± 2.723e−05
pull
Entries 54
Mean −181
Std Dev 0

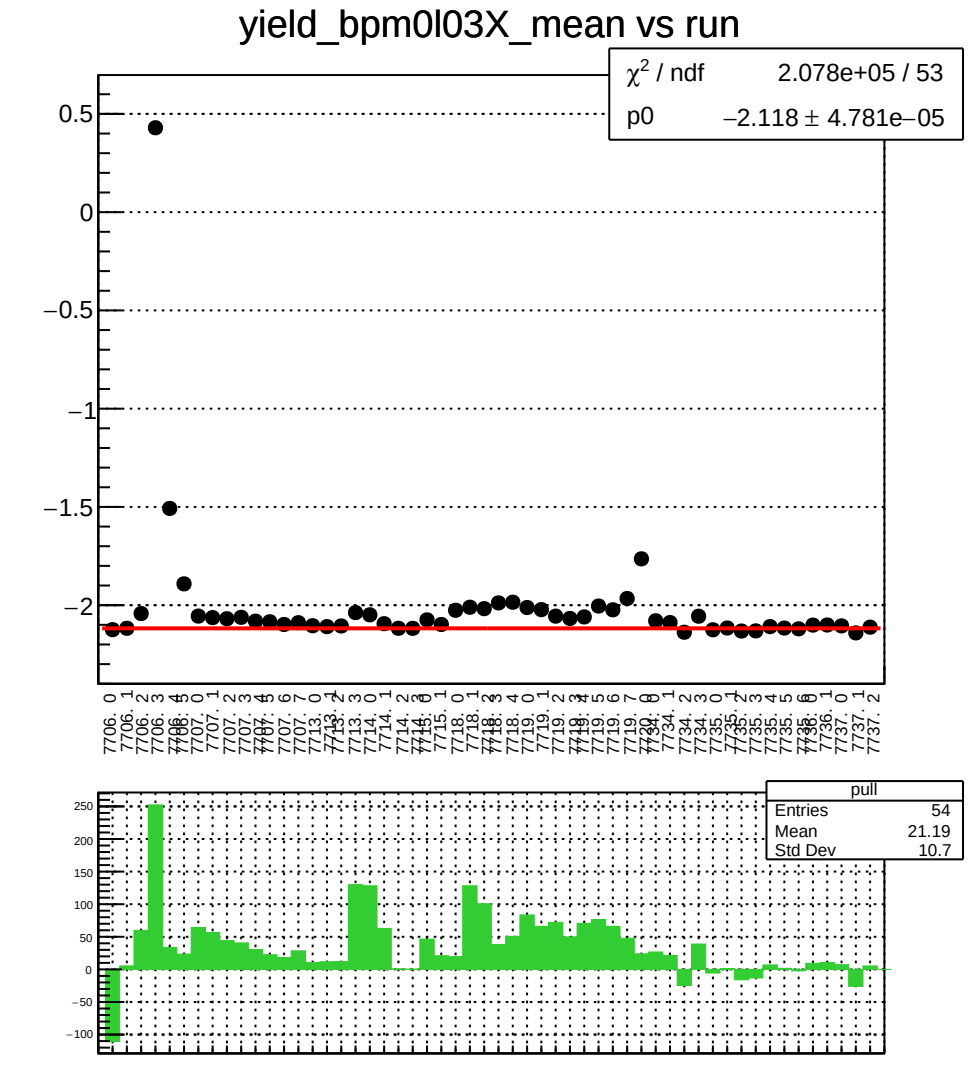

pull1D
Entries 54
Mean −7.63
Std Dev 0

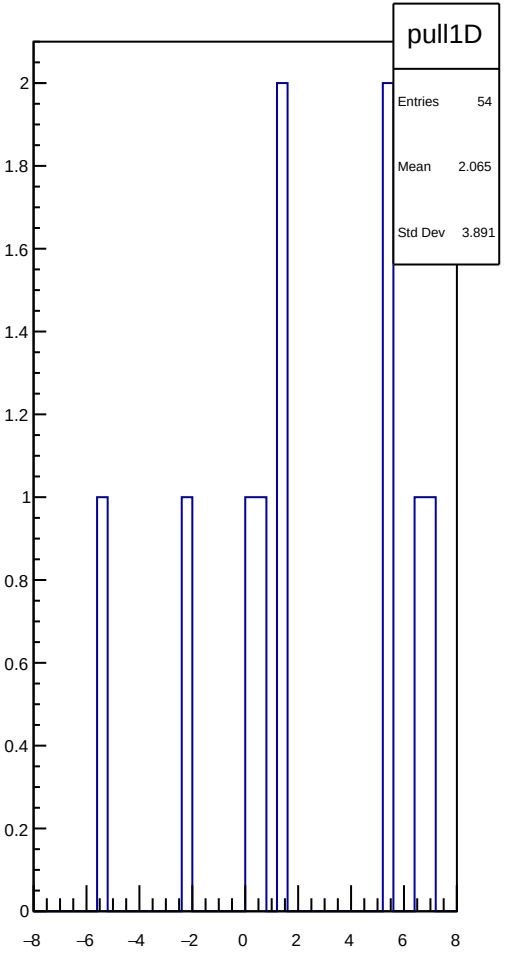

yield_bpm0l02X_rms vs run
χ² / ndf 6.883e+04 / 53
p0 0.01919 ± 1.925e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

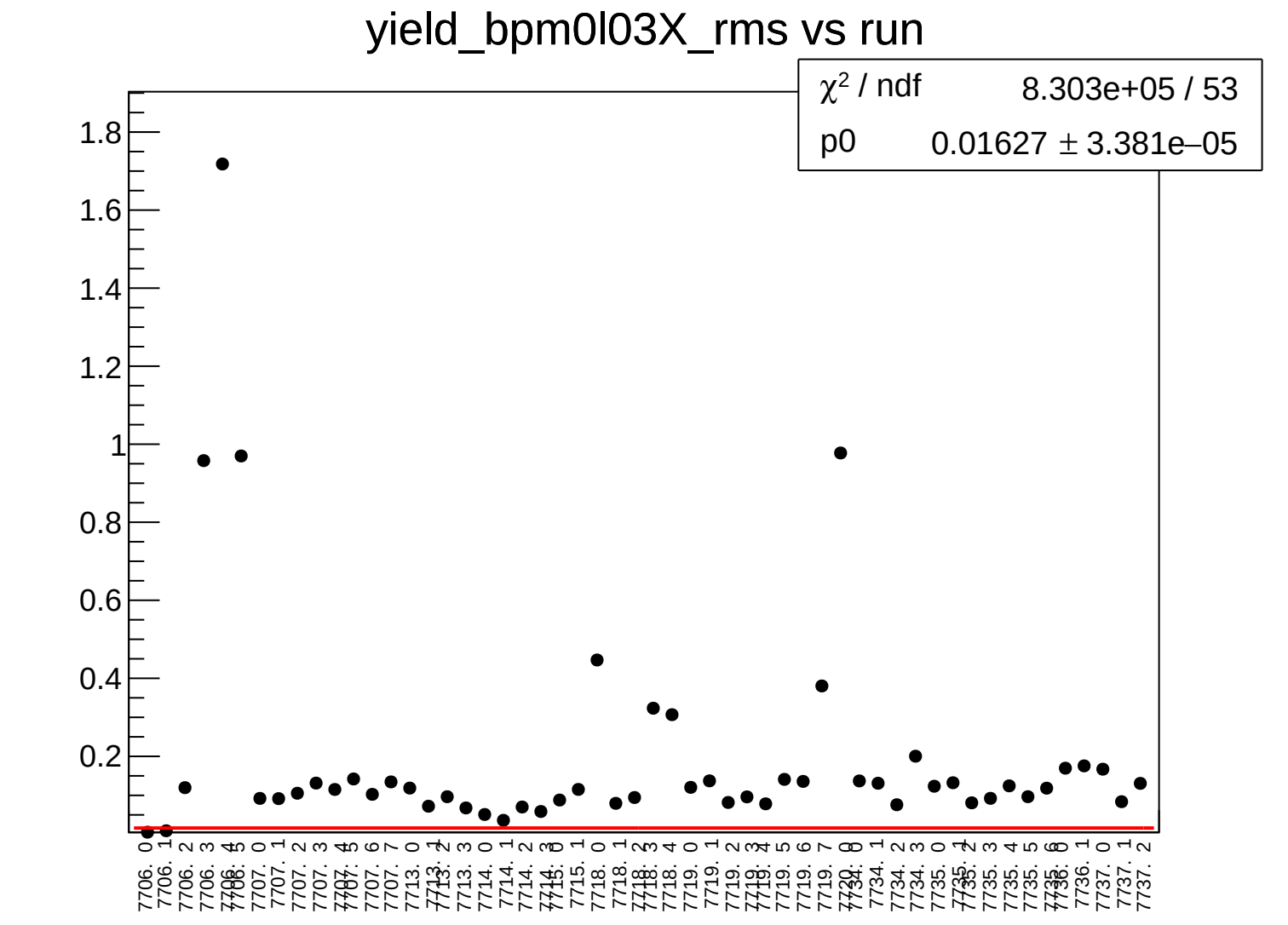

yield_bpm0l02Y_mean vs run
χ² / ndf 4.271e+06 / 53
p0 −0.9713 ± 1.796e−05
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
−1.06
−1.08
pull
Entries 54
Mean −182.6
Std Dev 0
400
200
0
−200
−400
−600
−800

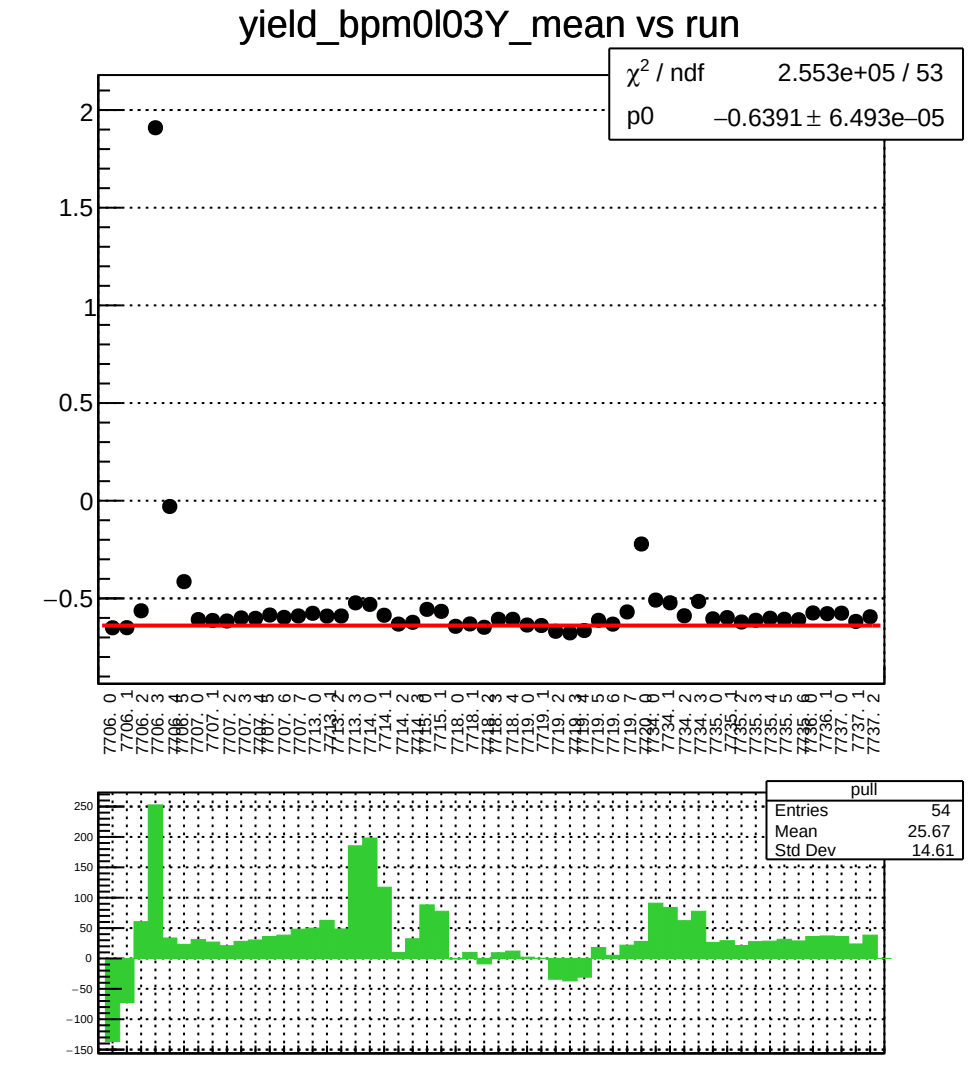

pull1D
Entries 54
Mean −5.254
Std Dev 2.471
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

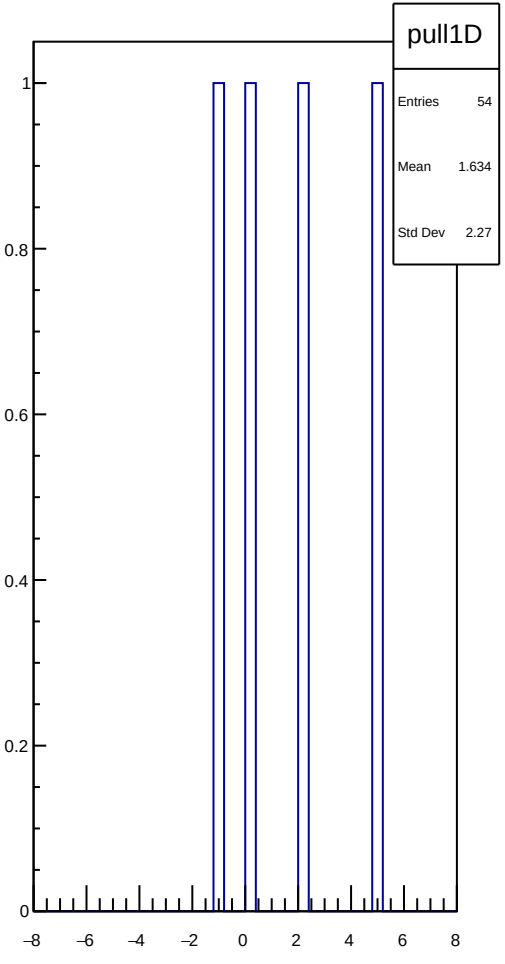

yield_bpm0l02Y_rms vs run
χ² / ndf 4.37e+04 / 53
p0 0.01281 ± 1.27e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

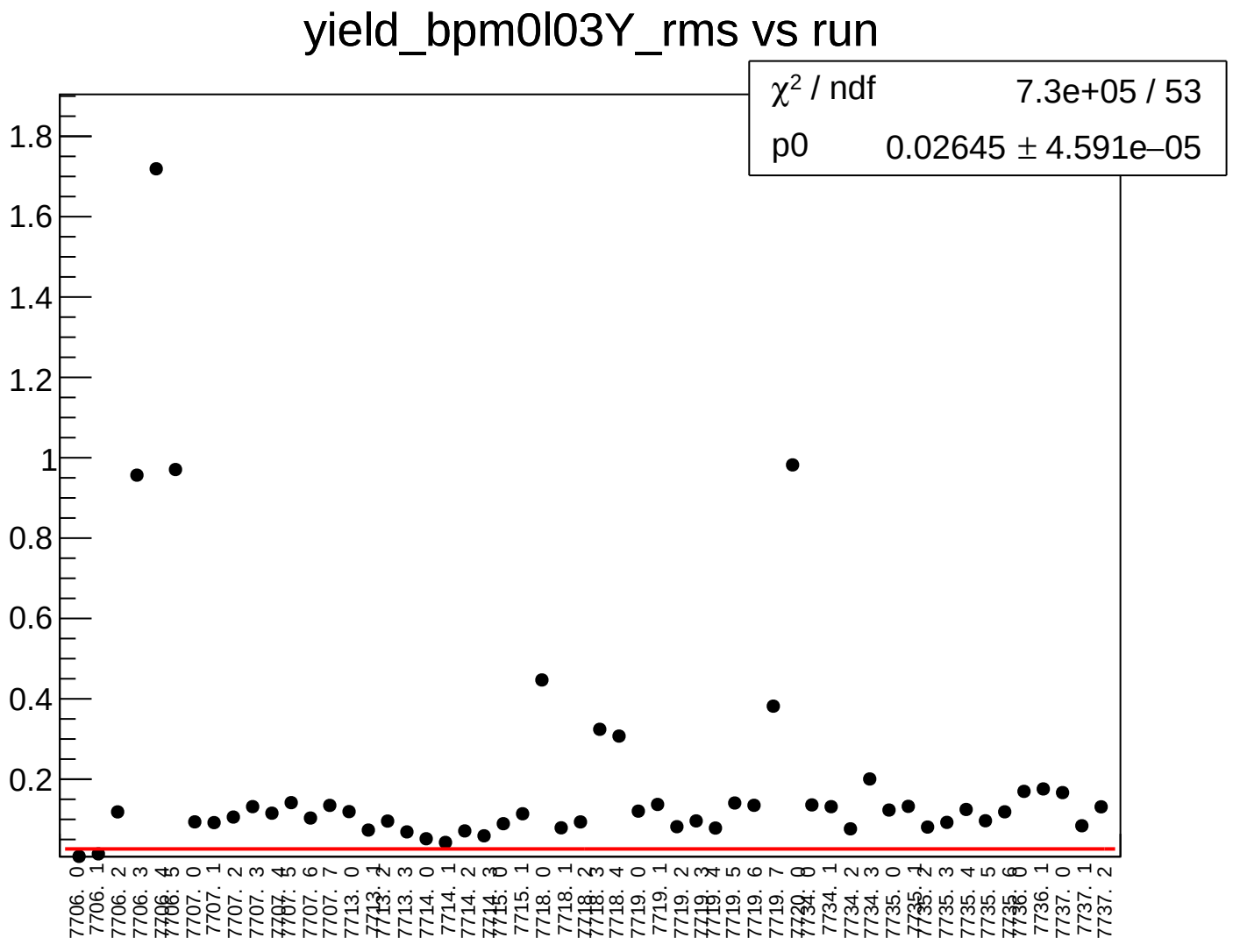

yield_bpm0l03X_mean vs run
χ² / ndf 2.078e+05 / 53
p0 −2.118 ± 4.781e−05
pull
Entries 54
Mean 21.19
Std Dev 10.7

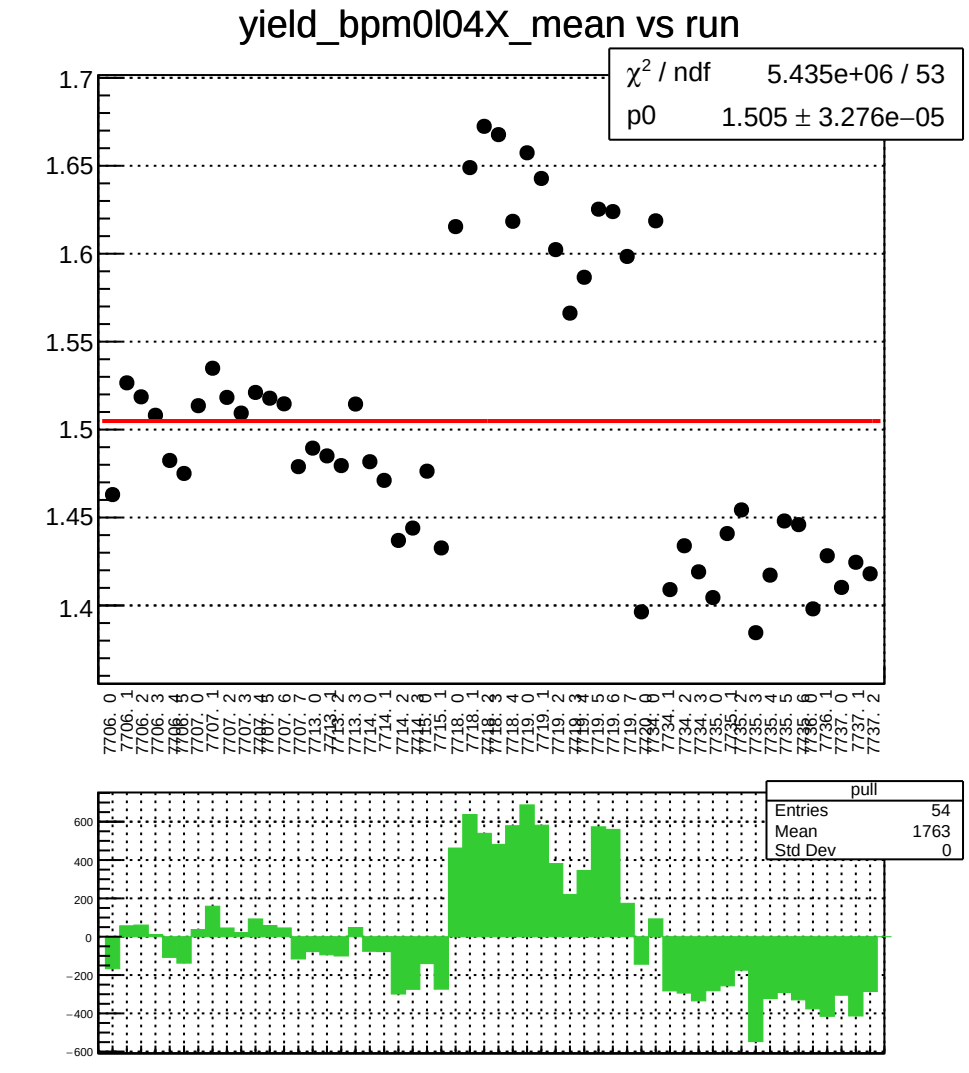

pull1D
Entries 54
Mean 2.065
Std Dev 3.891

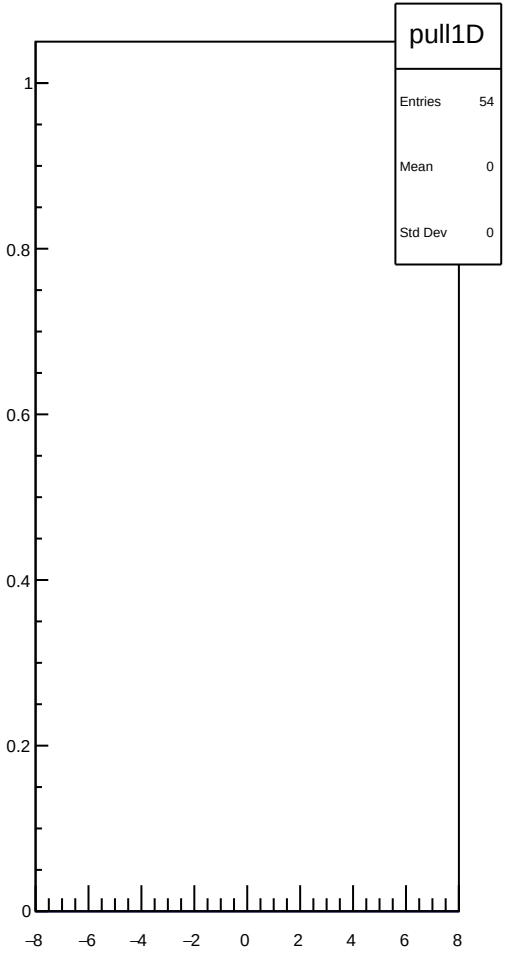

yield_bpm0l03X_rms vs run
χ² / ndf 8.303e+05 / 53
p0 0.01627 ± 3.381e–05
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

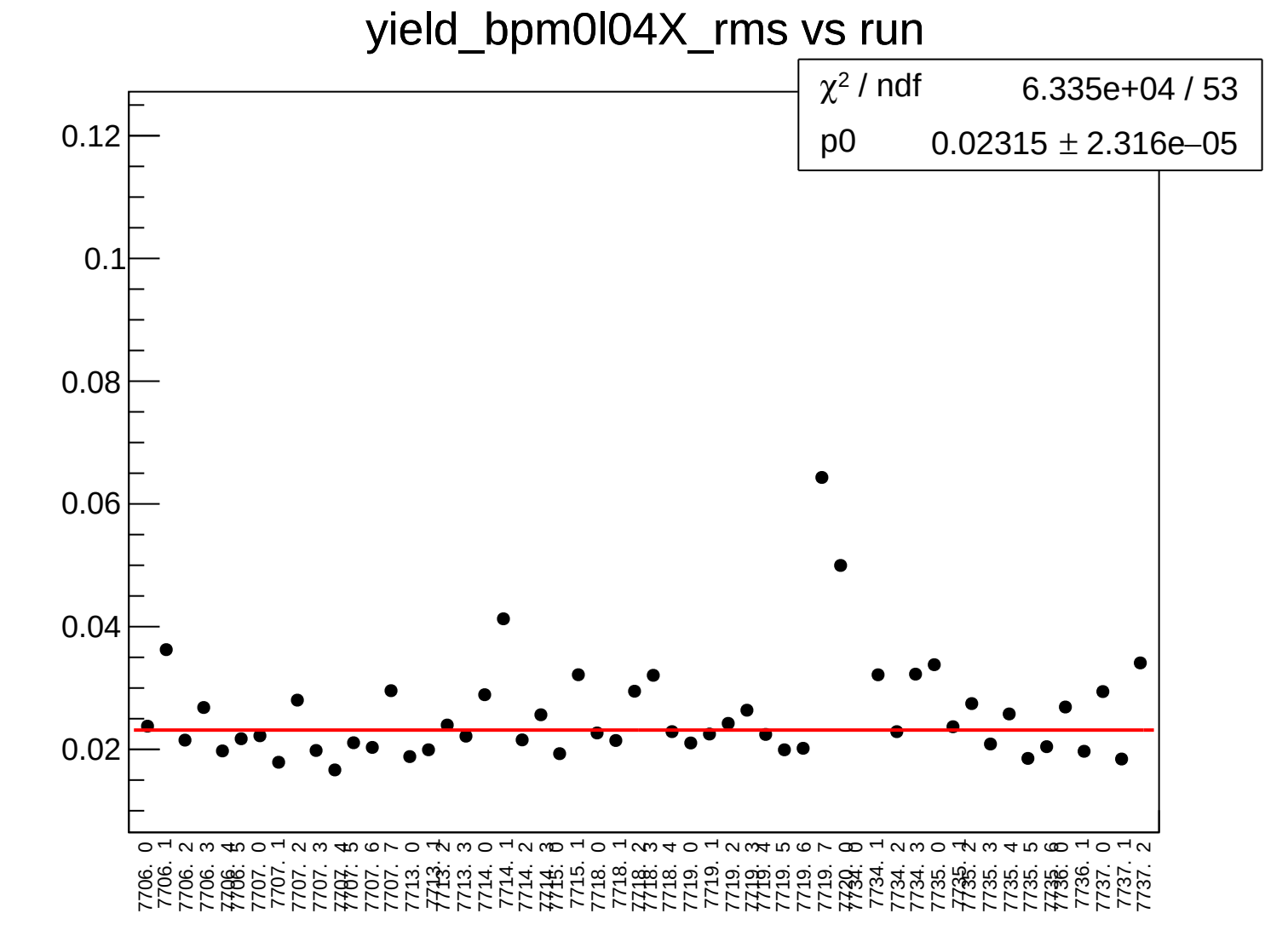

yield_bpm0l03Y_mean vs run
χ² / ndf 2.553e+05 / 53
p0 −0.6391 ± 6.493e−05
pull
Entries 54
Mean 25.67
Std Dev 14.61

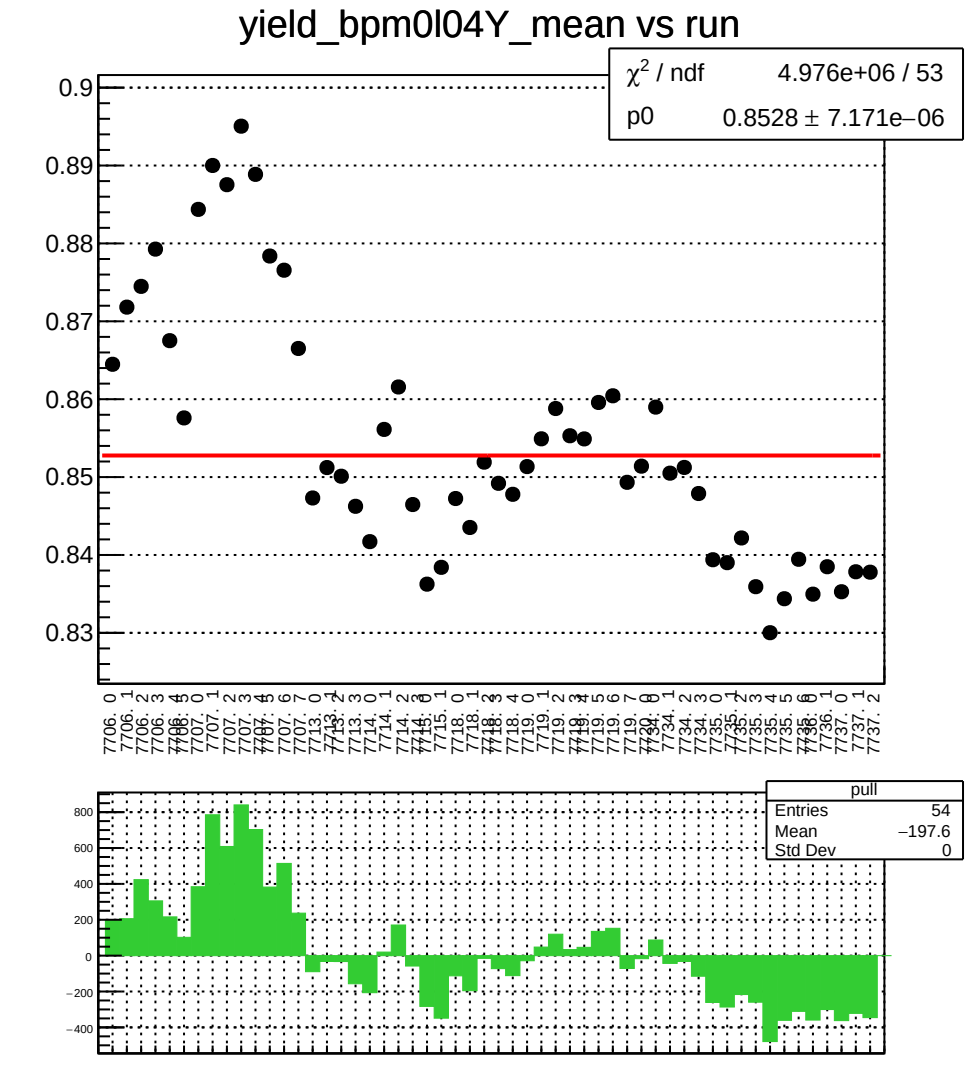

pull1D
Entries 54
Mean 1.634
Std Dev 2.27

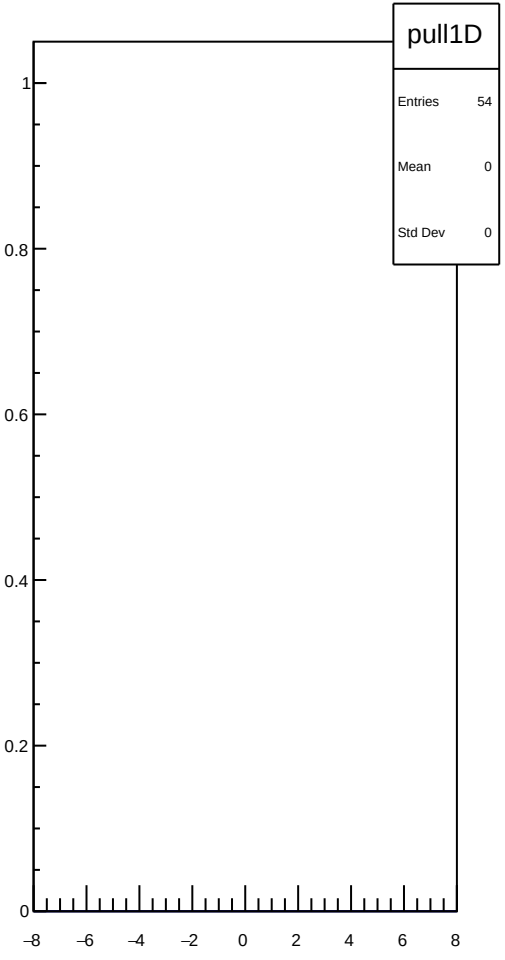

yield_bpm0l03Y_rms vs run
χ² / ndf 7.3e+05 / 53
p0 0.02645 ± 4.591e–05
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

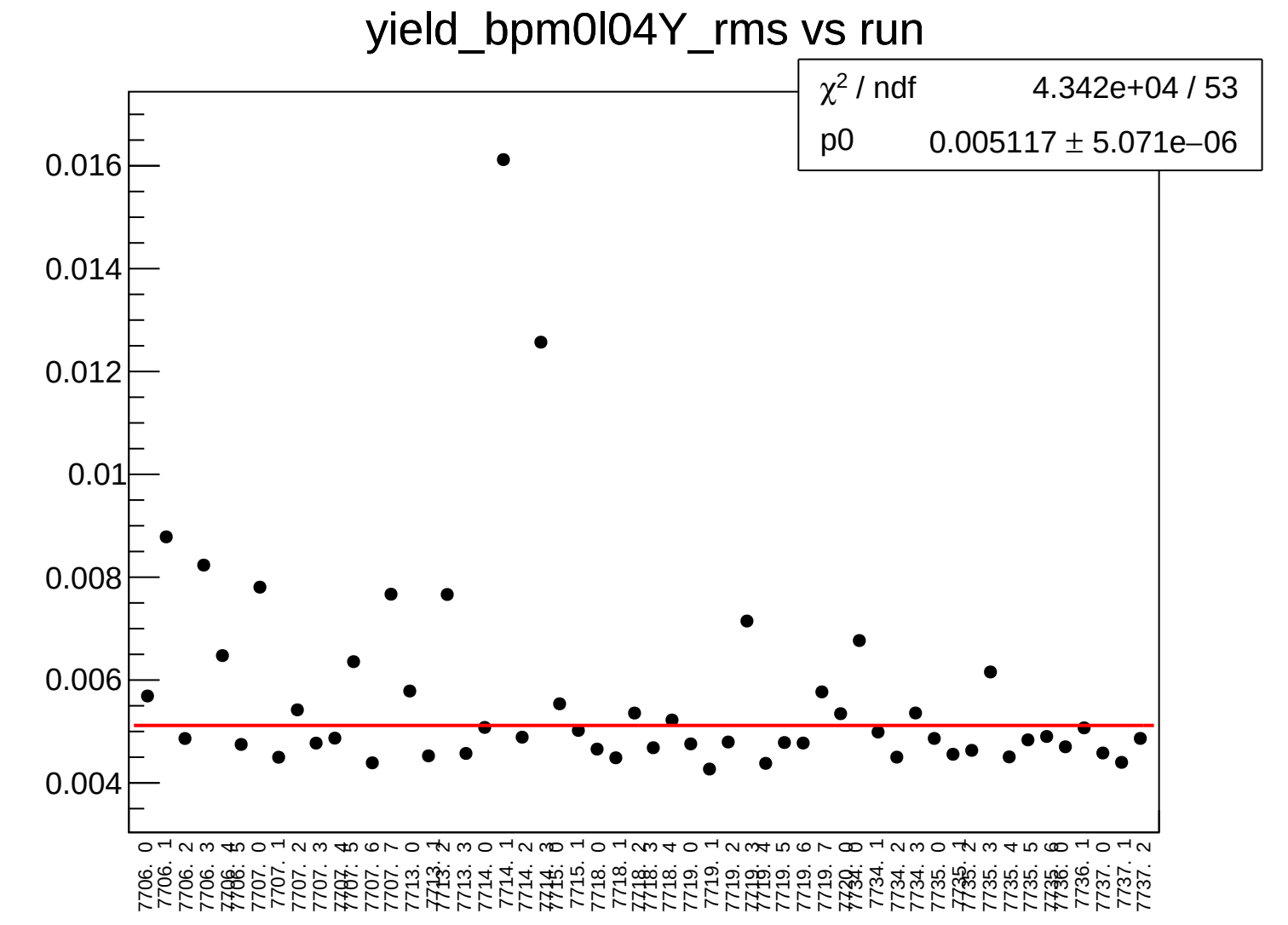

yield_bpm0l04X_mean vs run
χ² / ndf 5.435e+06 / 53
p0 1.505 ± 3.276e−05
pull
Entries 54
Mean 1763
Std Dev 0

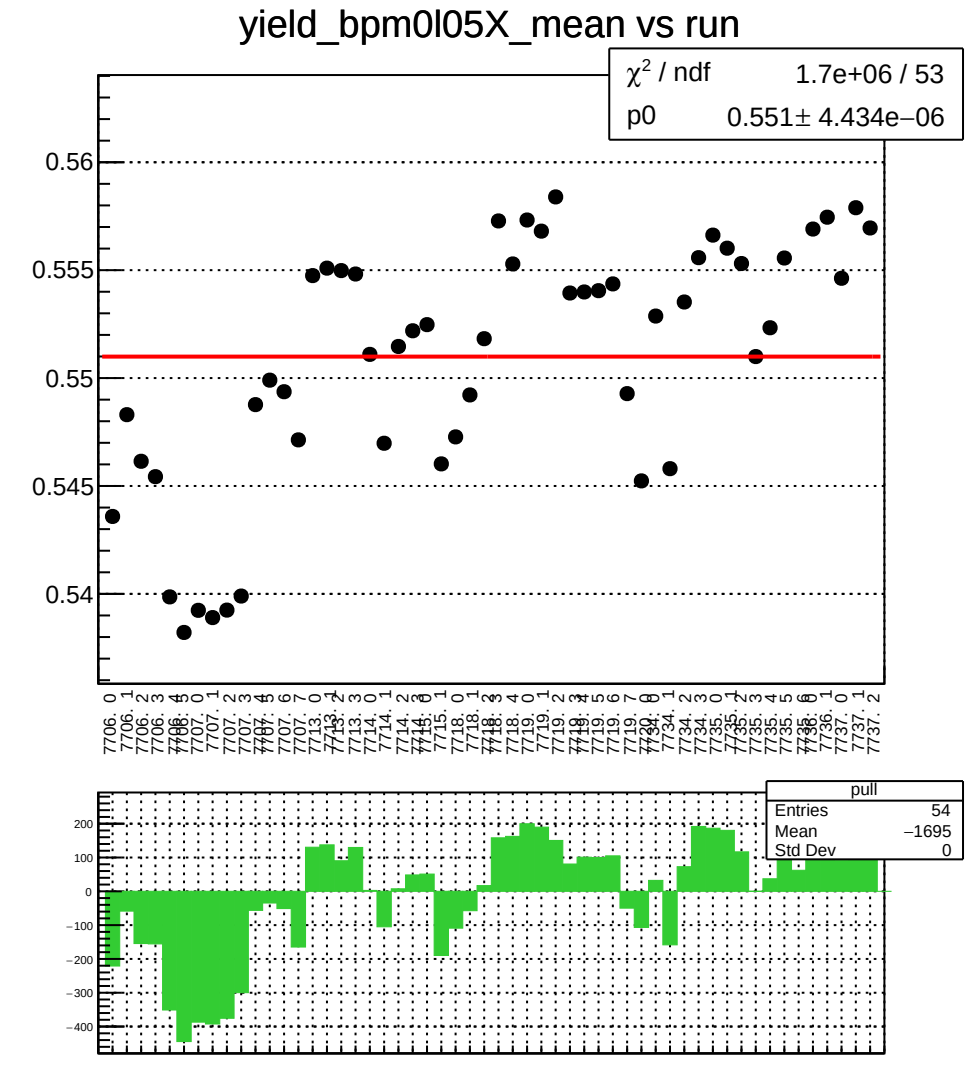

pull1D
Entries 54
Mean 0
Std Dev 0

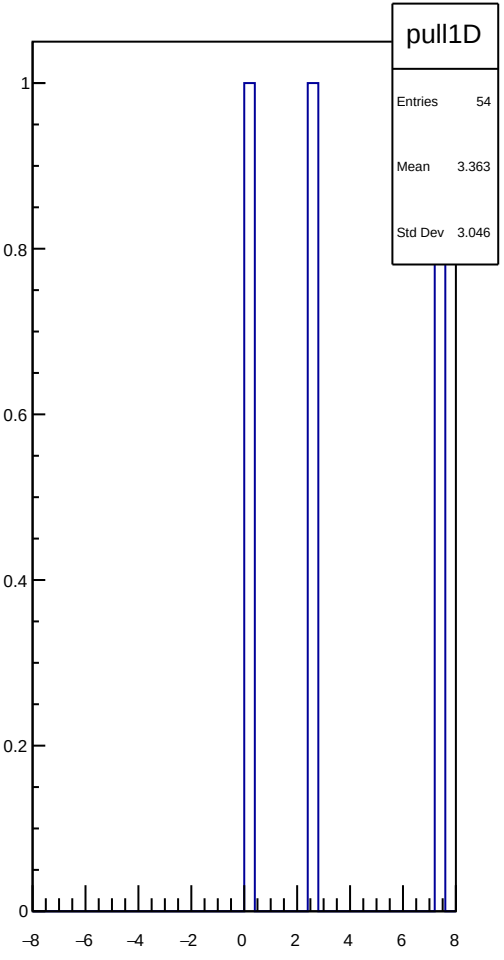

yield_bpm0l04X_rms vs run
χ² / ndf 6.335e+04 / 53
p0 0.02315 ± 2.316e−05
0.12
0.1
0.08
0.06
0.04
0.02

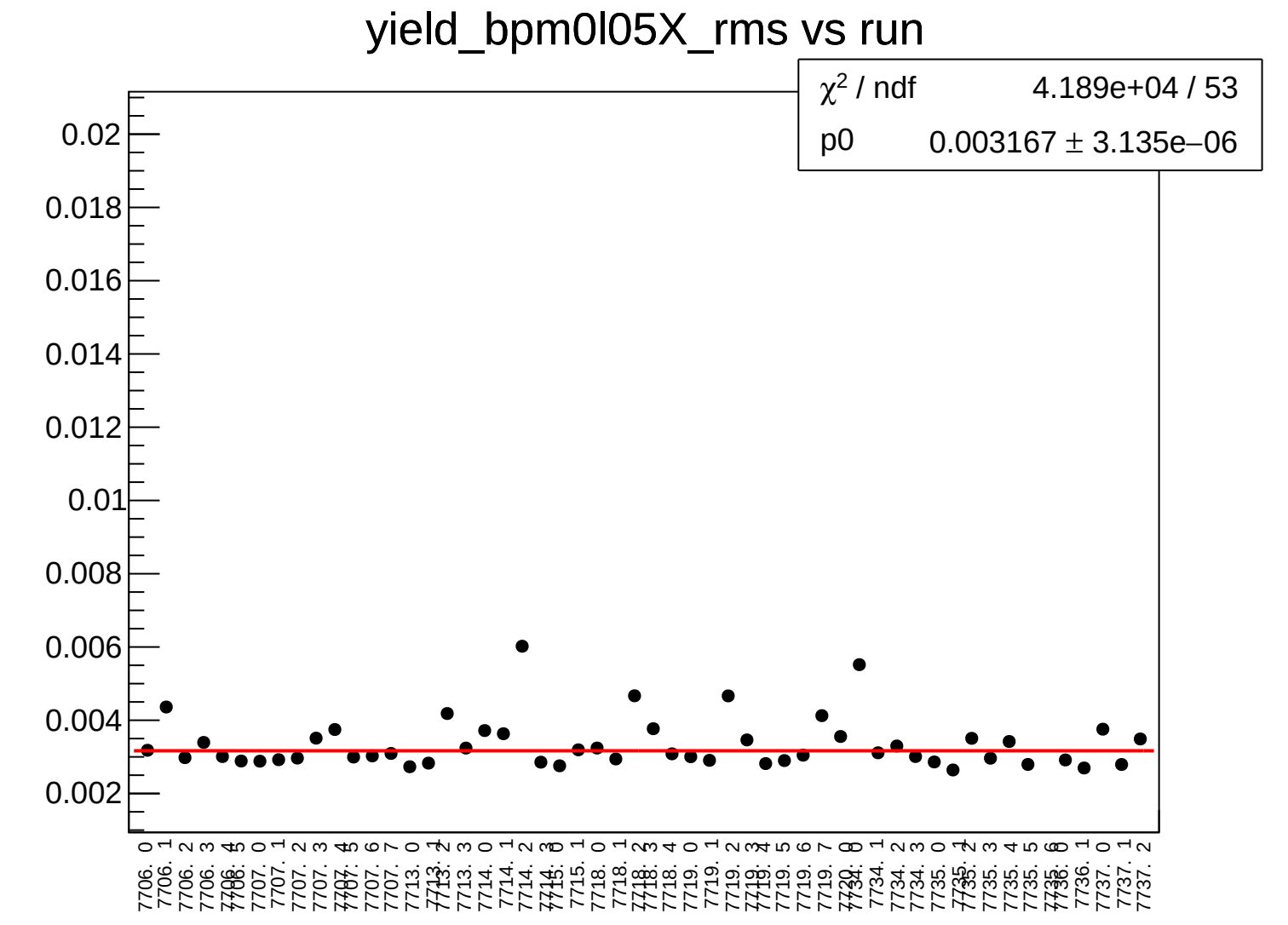

yield_bpm0l04Y_mean vs run
χ² / ndf 4.976e+06 / 53
p0 0.8528 ± 7.171e−06
pull
Entries 54
Mean −197.6
Std Dev 0

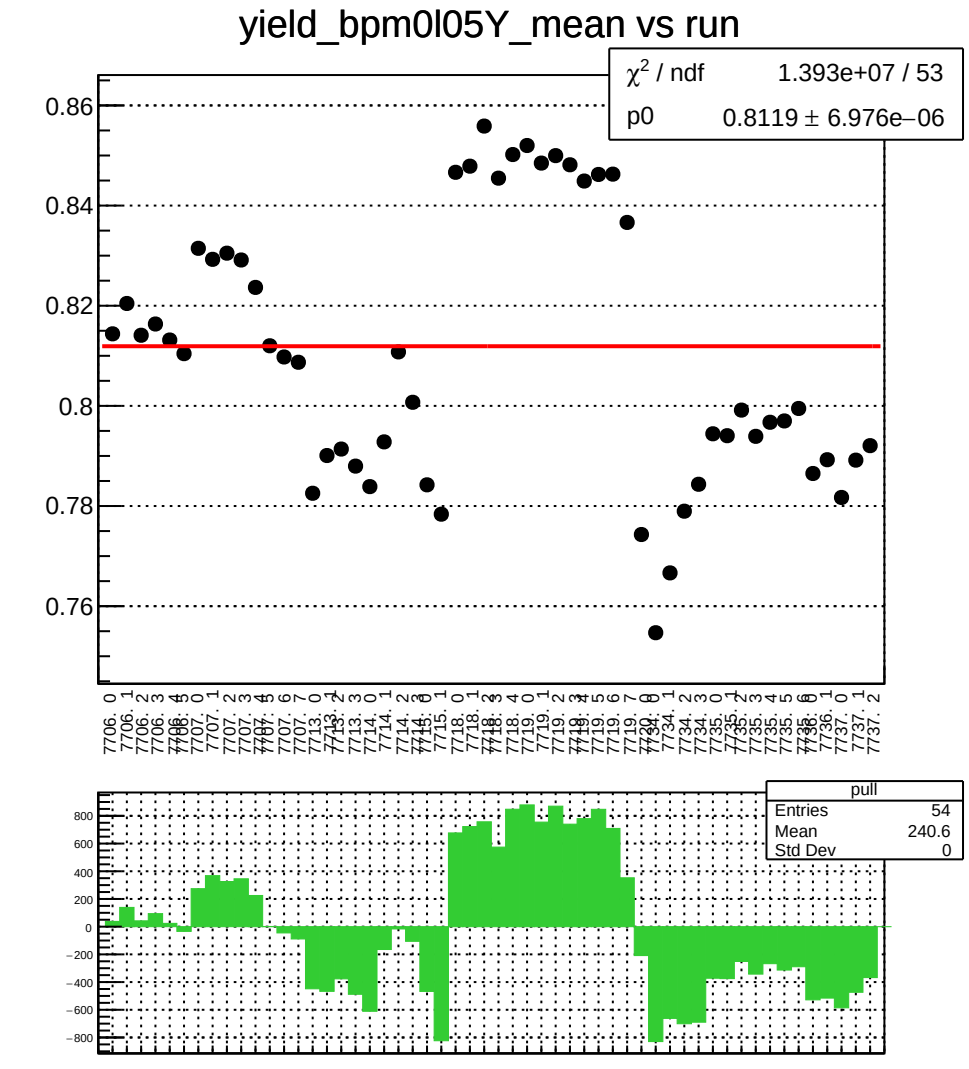

pull1D
Entries 54
Mean 0
Std Dev 0

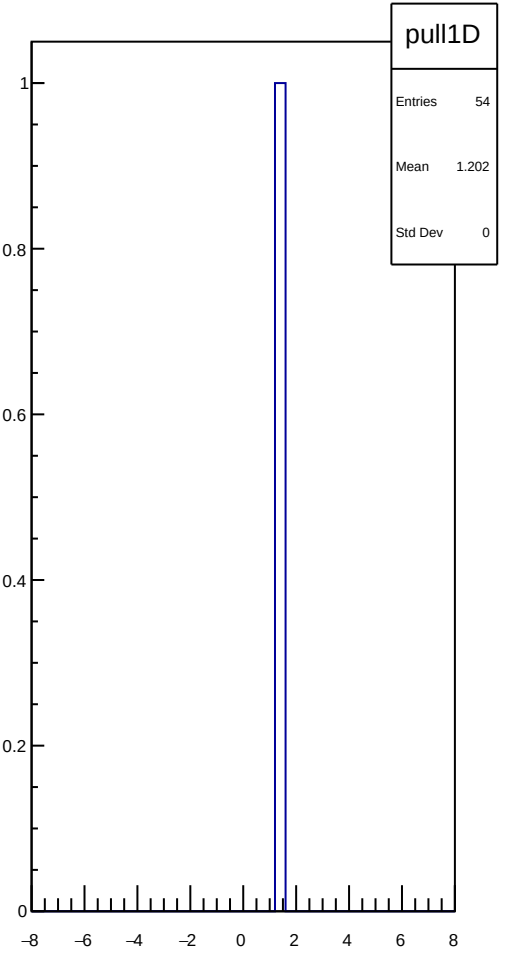

yield_bpm0l04Y_rms vs run
χ^2 / ndf 4.342e+04 / 53
p0 0.005117 ± 5.071e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

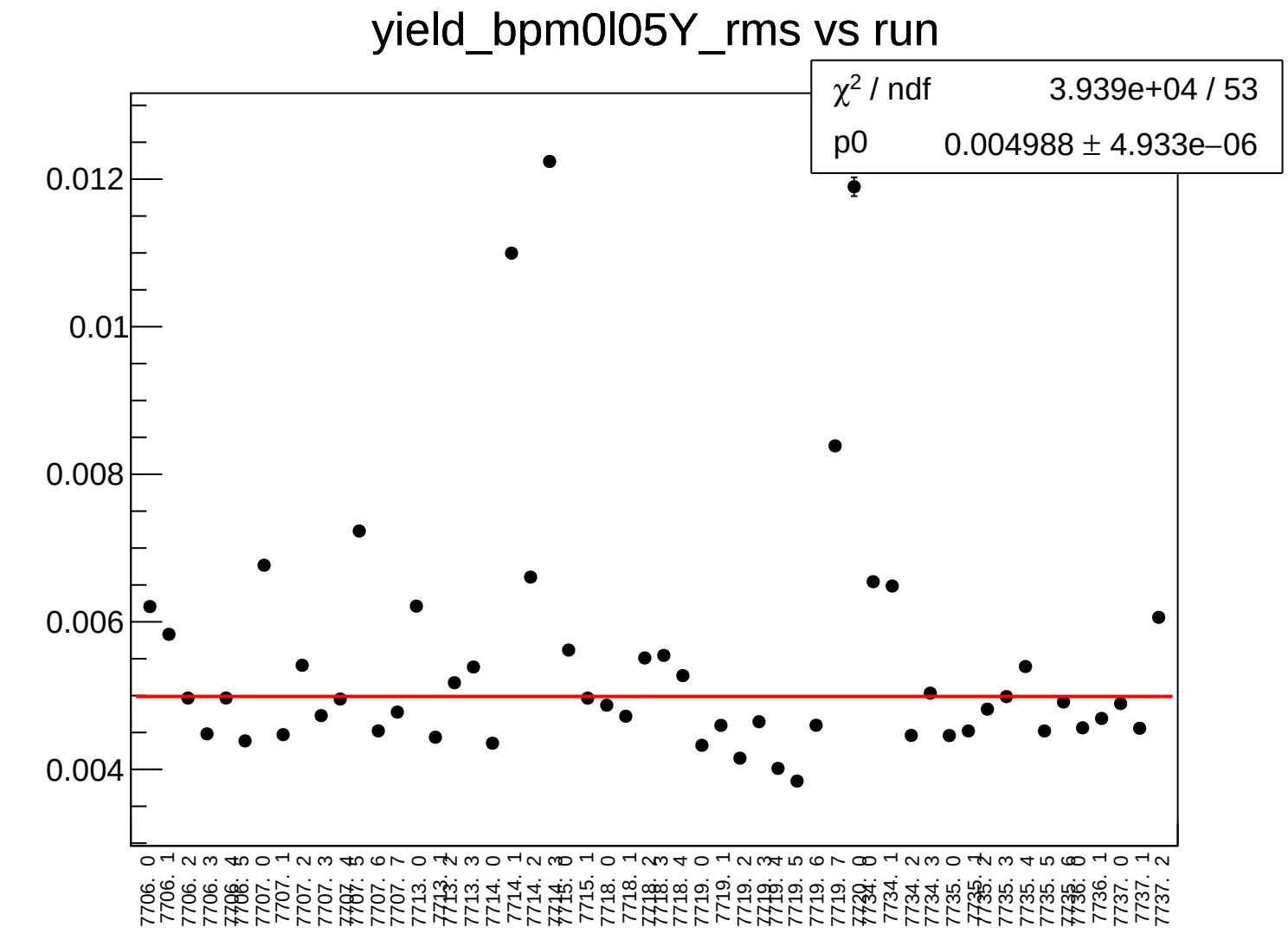

yield_bpm0l05X_mean vs run
χ² / ndf 1.7e+06 / 53
p0 0.551± 4.434e−06
0.56
0.555
0.55
0.545
0.54
pull
Entries 54
Mean −1695
Std Dev 0
200
100
0
−100
−200
−300
−400

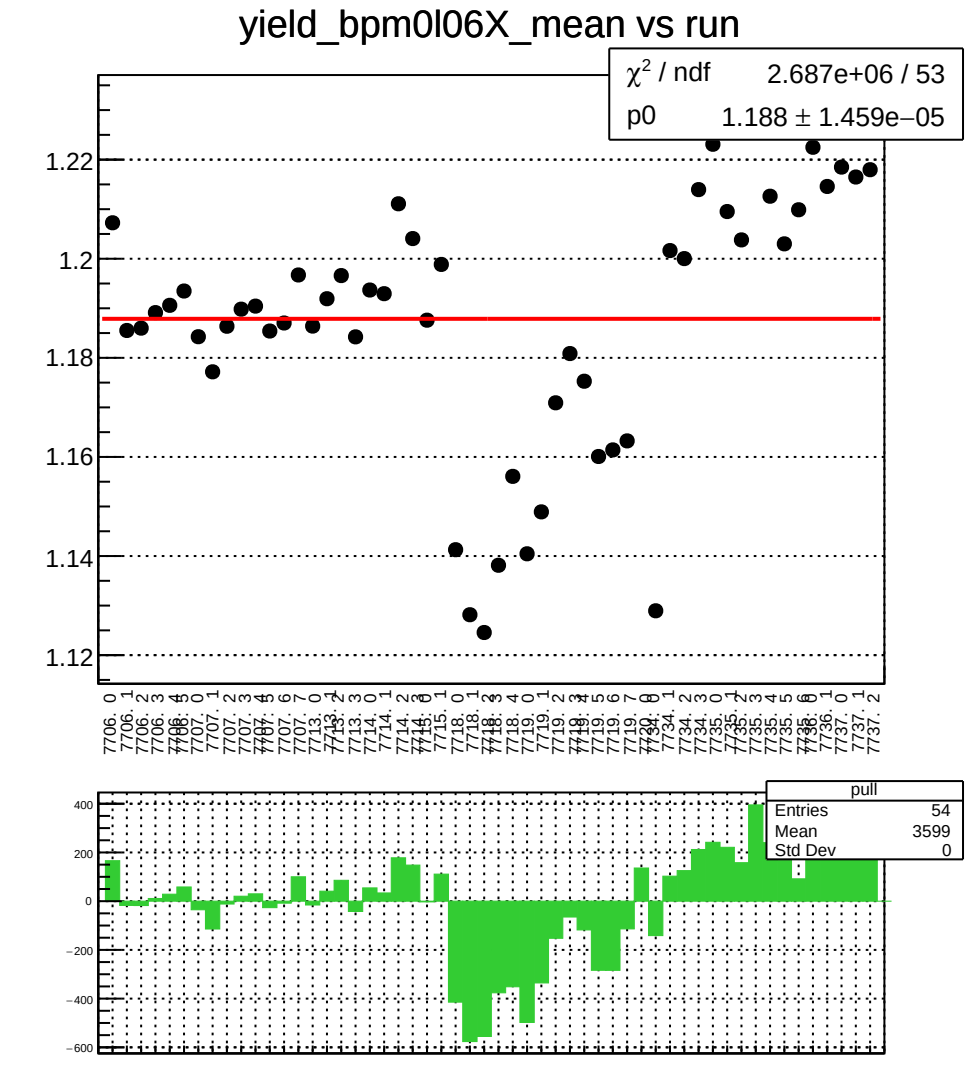

pull1D
Entries 54
Mean 3.363
Std Dev 3.046
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

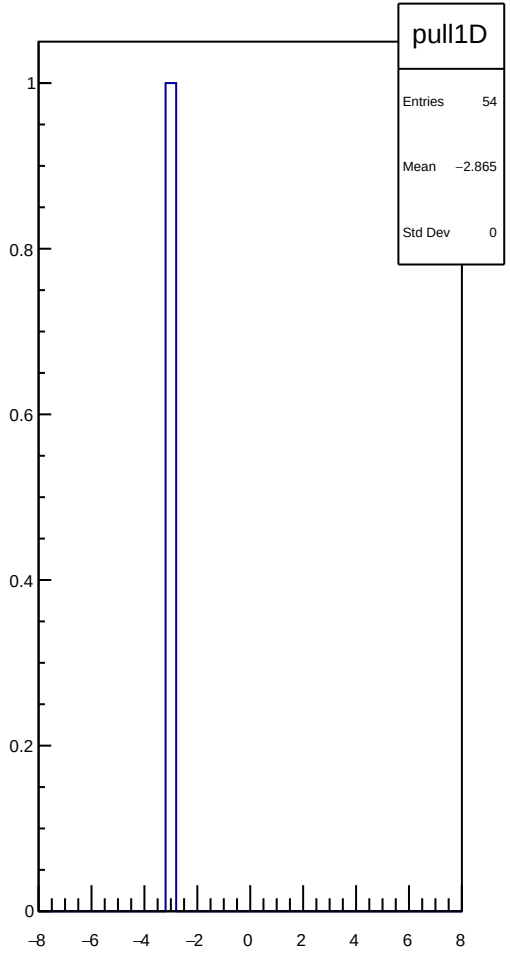

yield_bpm0l05X_rms vs run
χ^2 / ndf 4.189e+04 / 53
p0 0.003167 ± 3.135e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

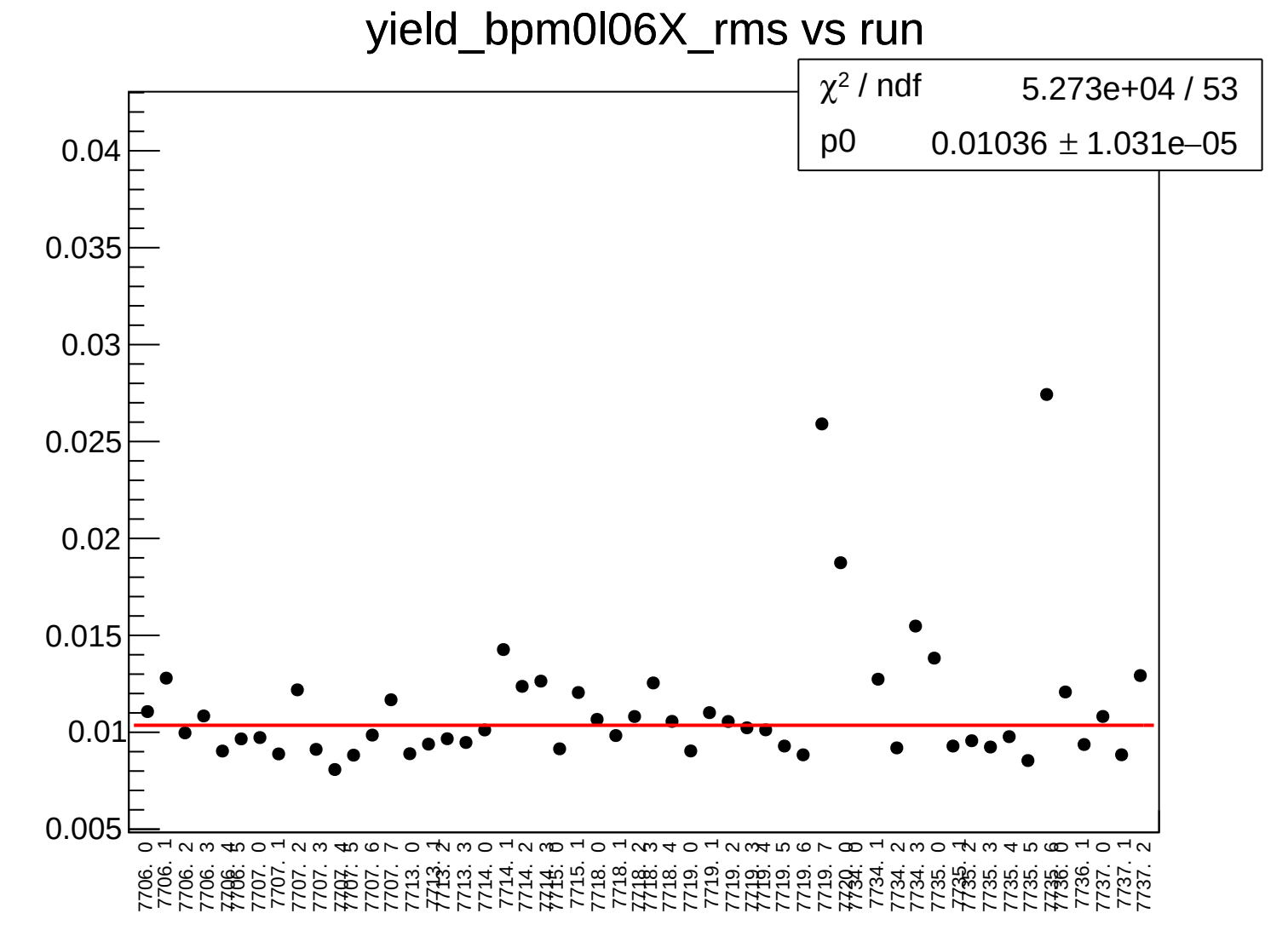

yield_bpm0l05Y_mean vs run
χ² / ndf 1.393e+07 / 53
p0 0.8119 ± 6.976e−06
0.86
0.84
0.82
0.8
0.78
0.76
pull
Entries 54
Mean 240.6
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

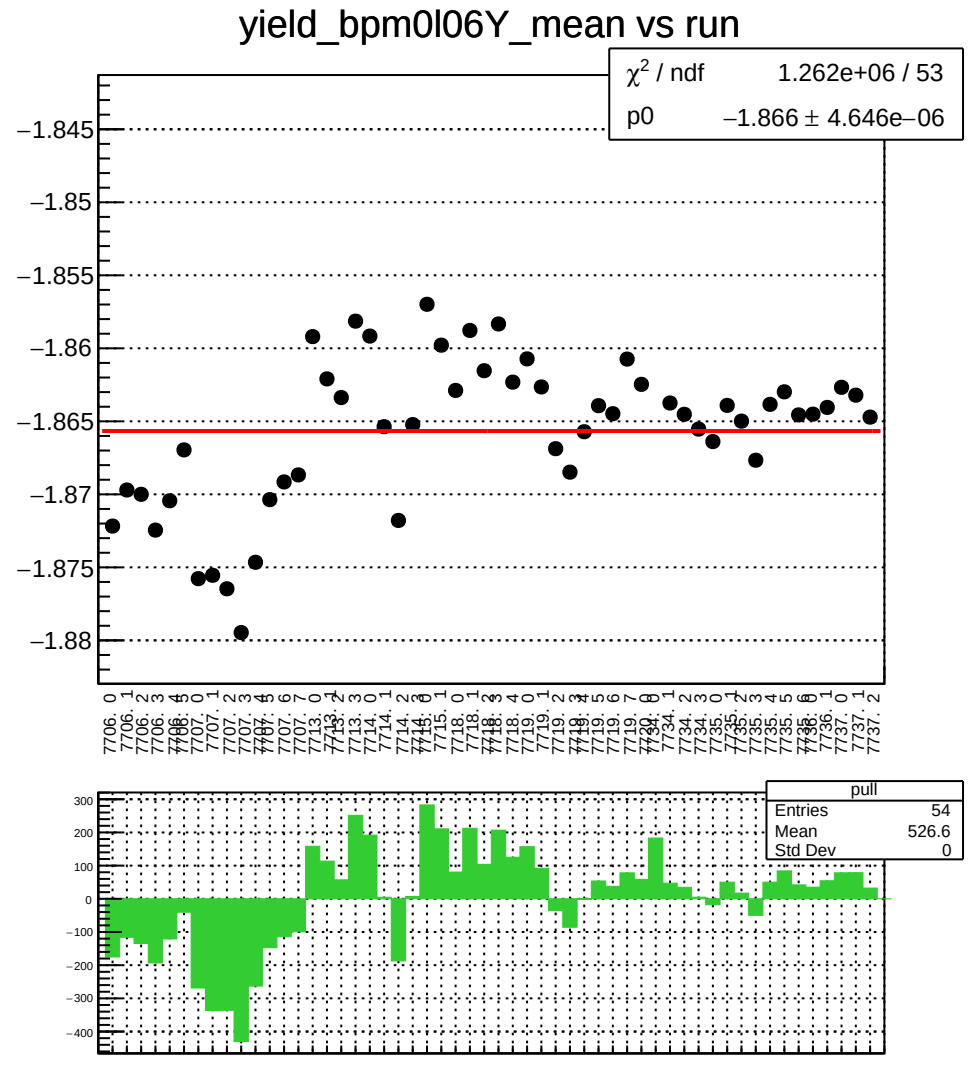

pull1D
Entries 54
Mean 1.202
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

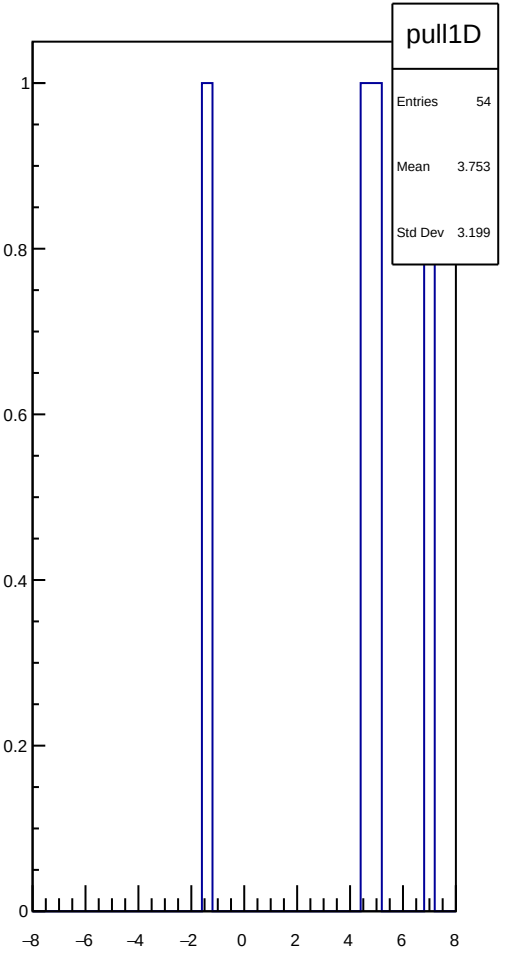

yield_bpm0l05Y_rms vs run
χ² / ndf 3.939e+04 / 53
p0 0.004988 ± 4.933e−06
0.012
0.01
0.008
0.006
0.004

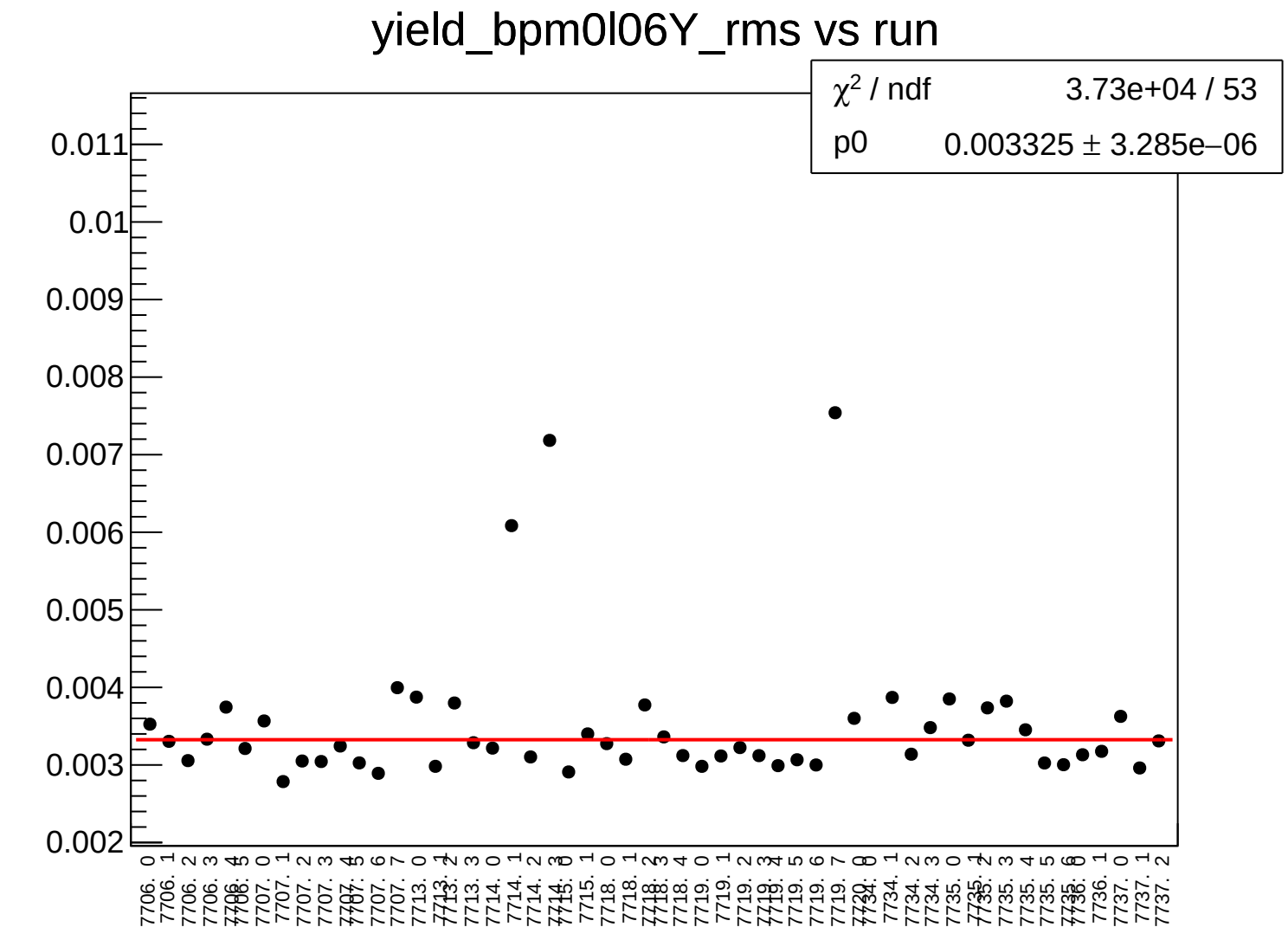

yield_bpm0l06X_mean vs run
χ² / ndf 2.687e+06 / 53
p0 1.188 ± 1.459e−05
1.22
1.2
1.18
1.16
1.14
1.12
pull
Entries 54
Mean 3599
Std Dev 0
400
200
0
−200
−400
−600

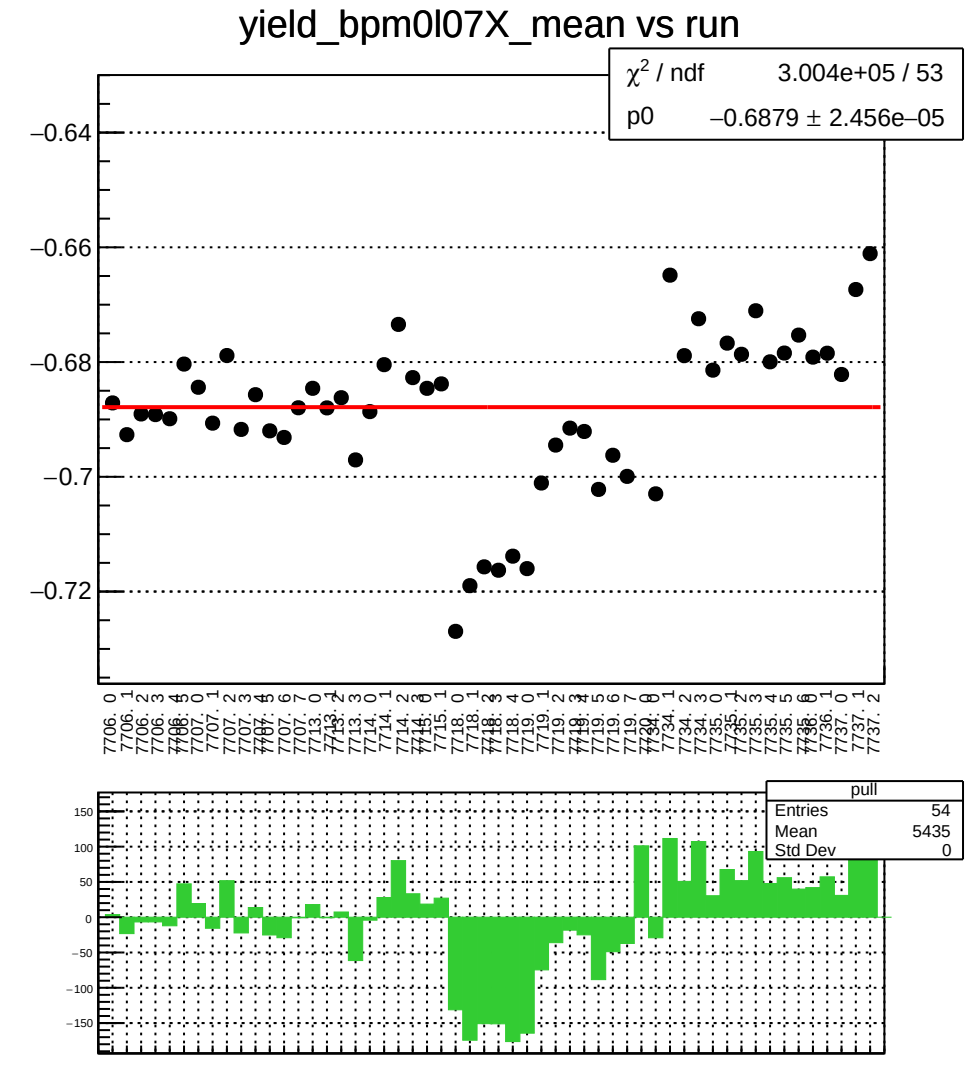

pull1D
Entries 54
Mean −2.865
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

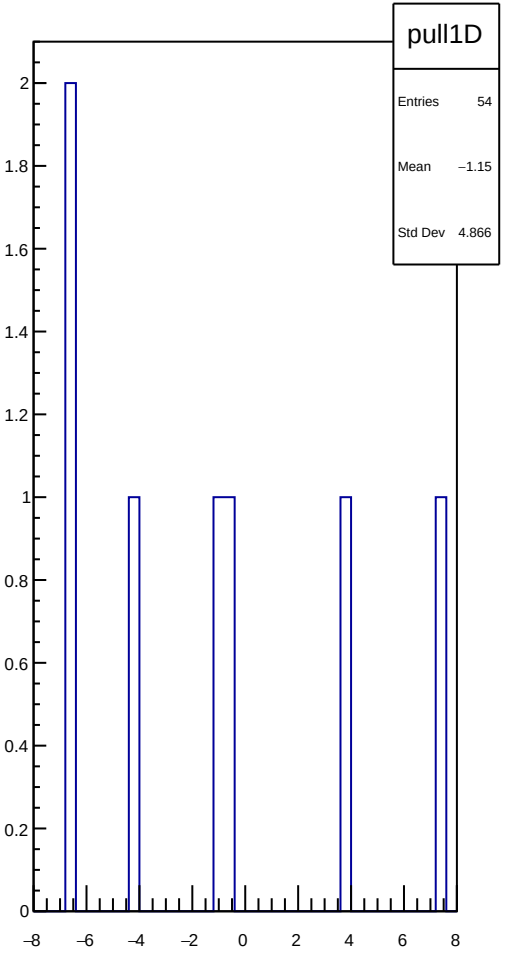

yield_bpm0l06X_rms vs run
χ² / ndf 5.273e+04 / 53
p0 0.01036 ± 1.031e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

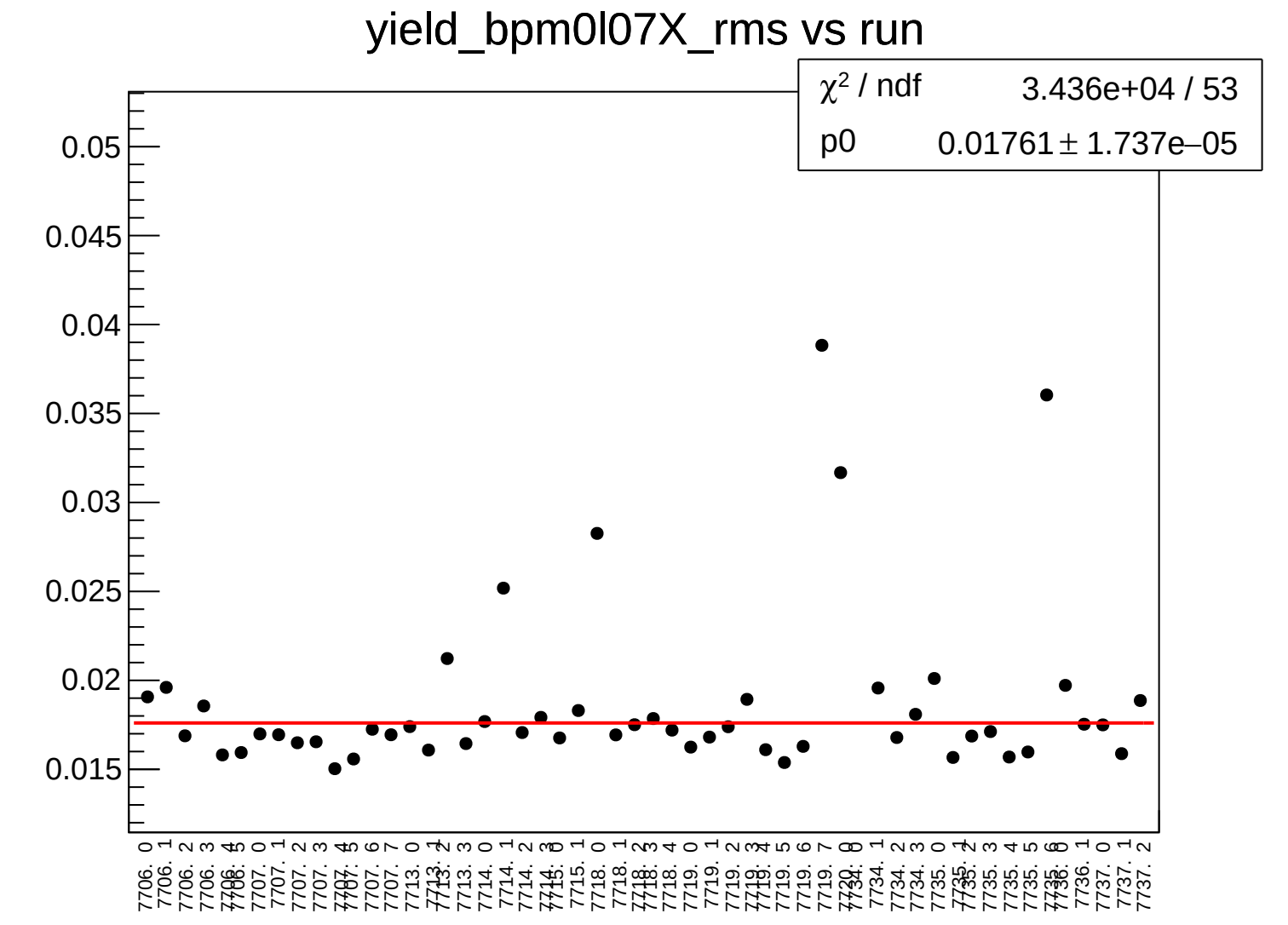

yield_bpm0l06Y_mean vs run
χ² / ndf 1.262e+06 / 53
p0 −1.866 ± 4.646e−06
−1.845
−1.85
−1.855
−1.86
−1.865
−1.87
−1.875
−1.88
pull
Entries 54
Mean 526.6
Std Dev 0
300
200
100
0
−100
−200
−300
−400

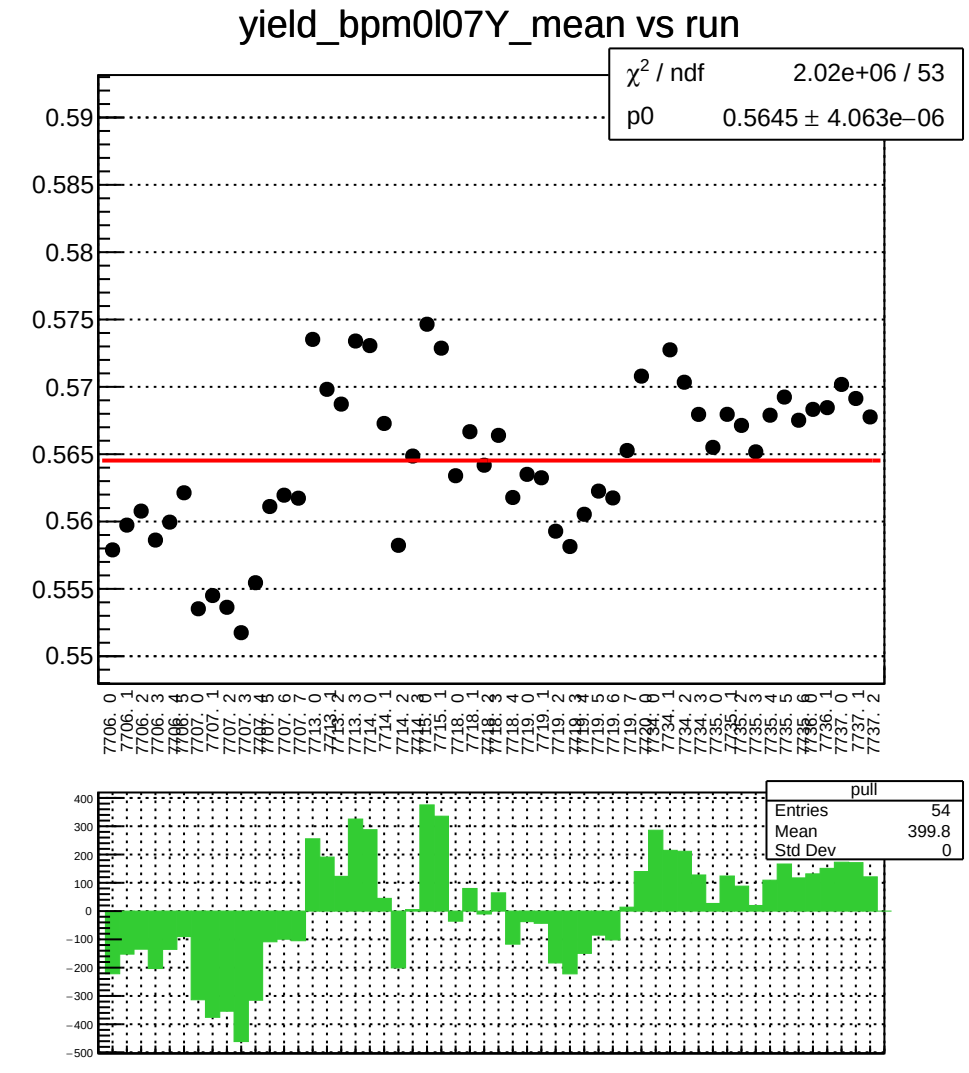

pull1D
Entries 54
Mean 3.753
Std Dev 3.199
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

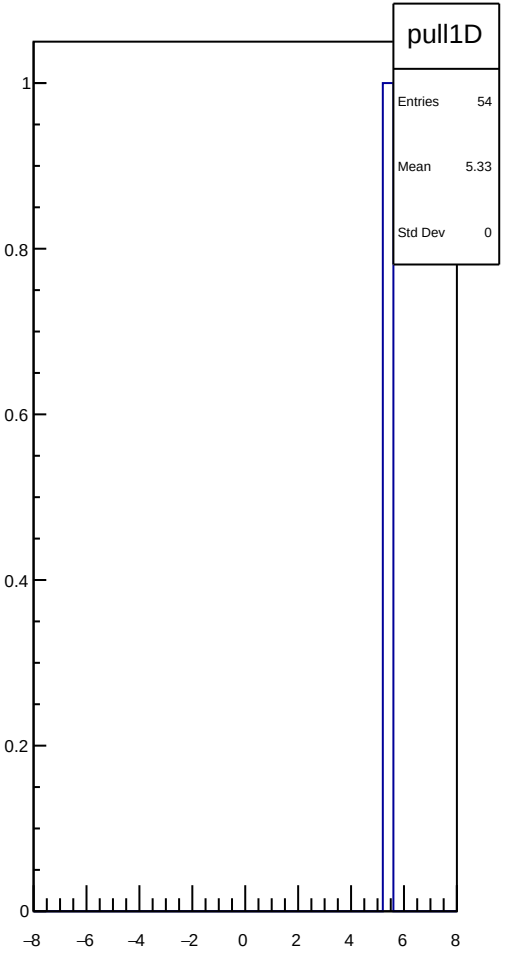

yield_bpm0l06Y_rms vs run
χ² / ndf 3.73e+04 / 53
p0 0.003325 ± 3.285e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

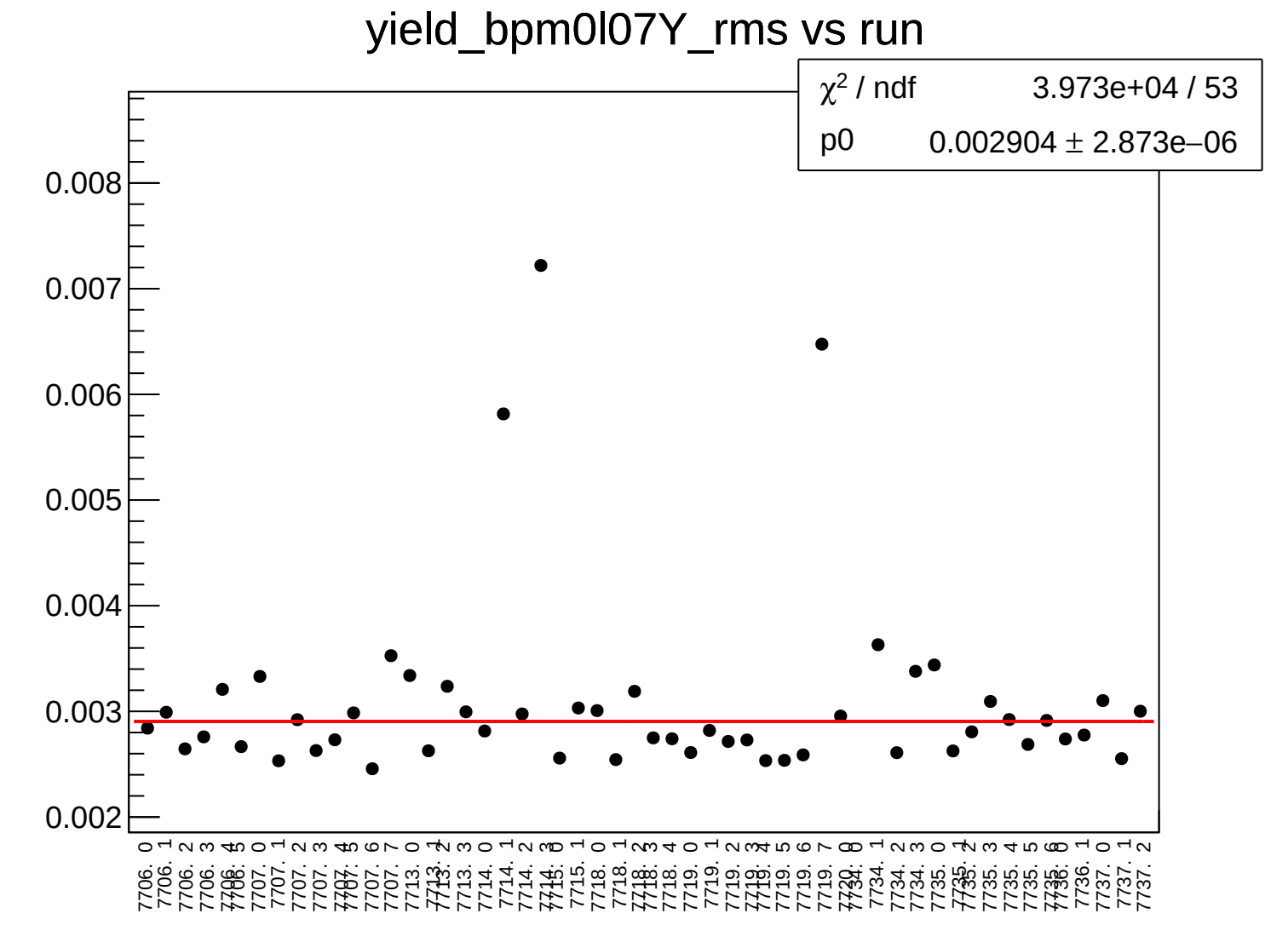

yield_bpm0l07X_mean vs run
χ² / ndf 3.004e+05 / 53
p0 −0.6879 ± 2.456e−05
−0.64
−0.66
−0.68
−0.7
−0.72
pull
Entries 54
Mean 5435
Std Dev 0
150
100
50
0
−50
−100
−150

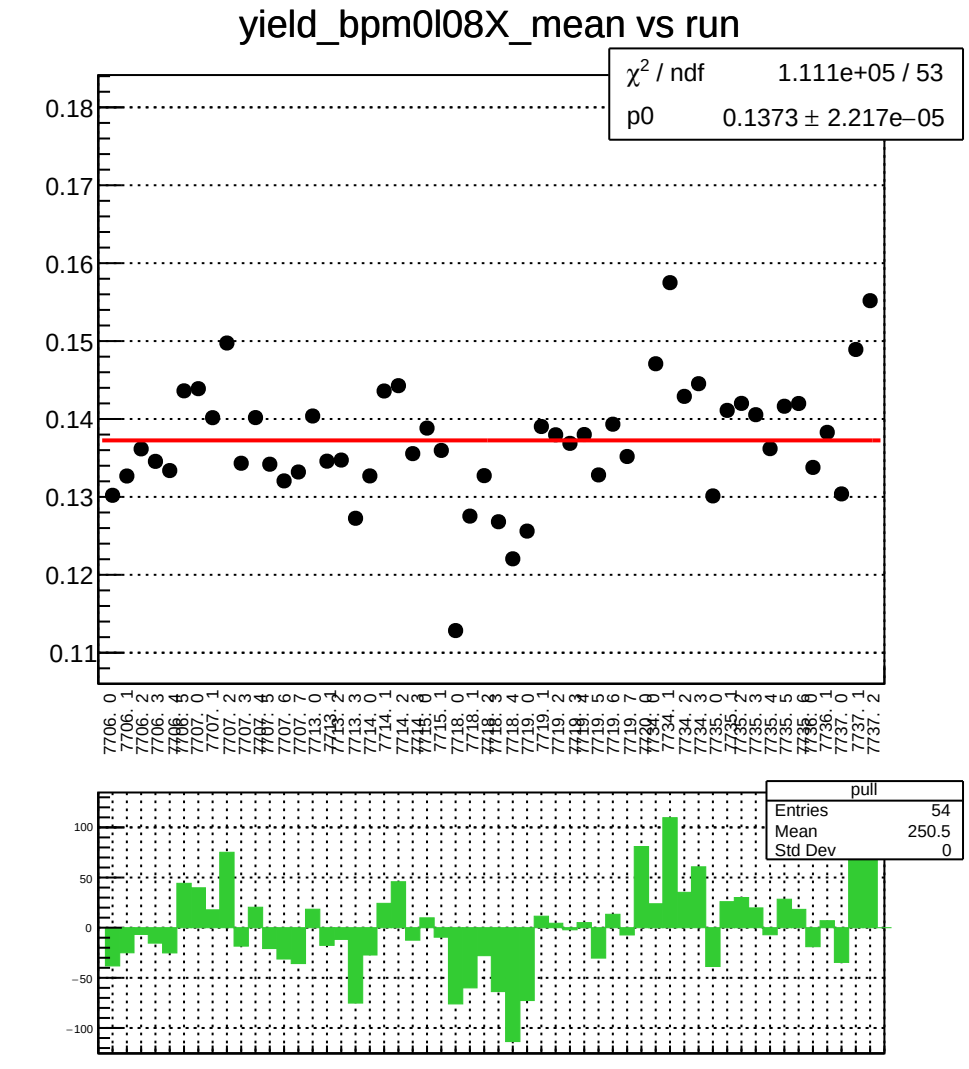

pull1D
Entries 54
Mean −1.15
Std Dev 4.866
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

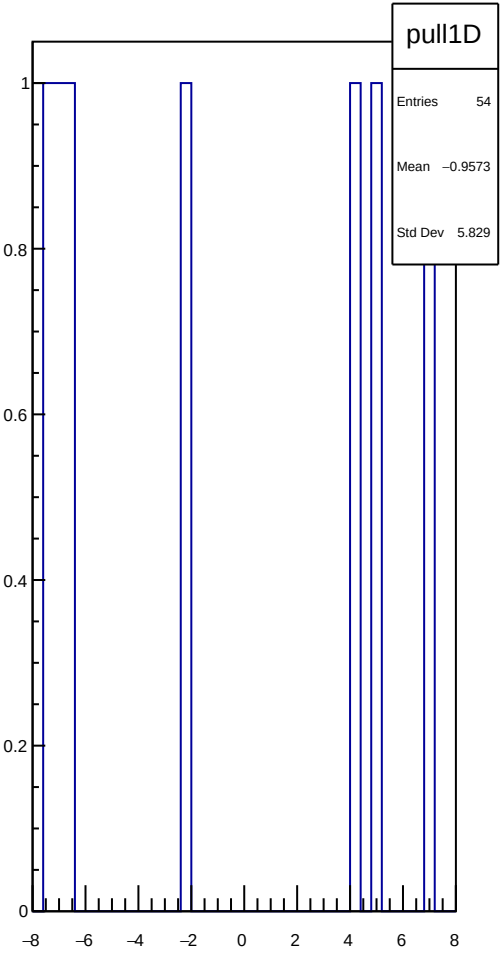

yield_bpm0l07X_rms vs run
χ² / ndf 3.436e+04 / 53
p0 0.01761 ± 1.737e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

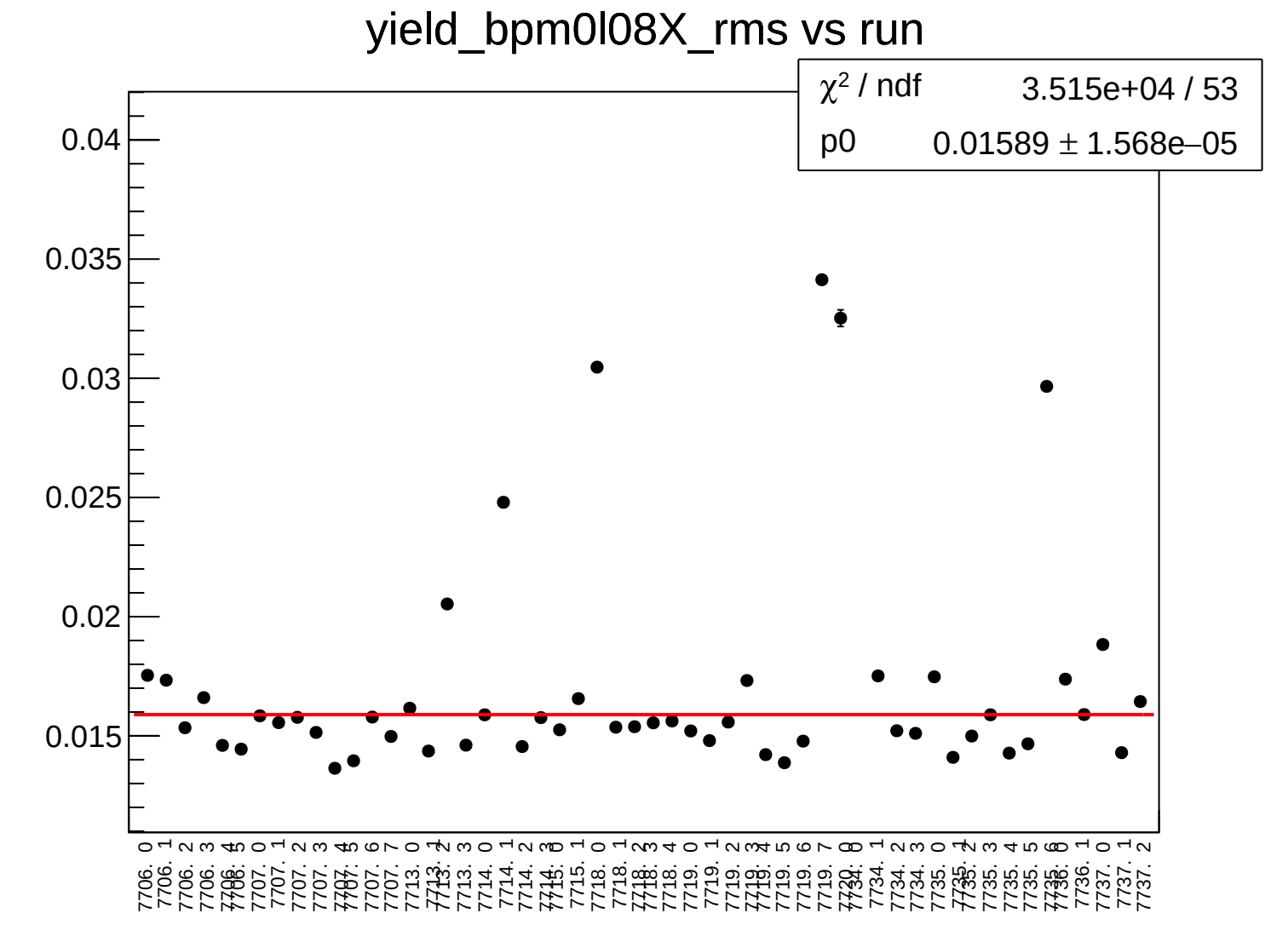

yield_bpm0l07Y_mean vs run
χ² / ndf 2.02e+06 / 53
p0 0.5645 ± 4.063e−06
pull
Entries 54
Mean 399.8
Std Dev 0

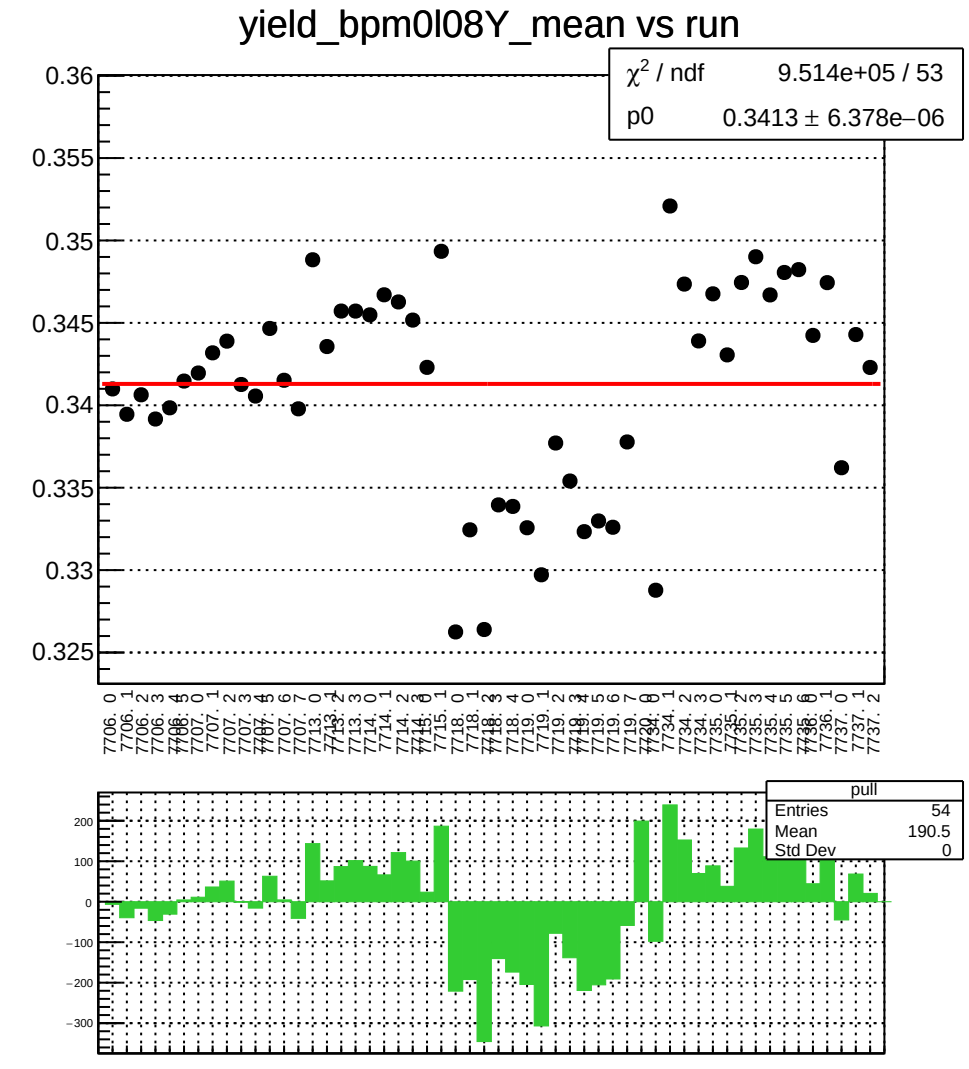

pull1D
Entries 54
Mean 5.33
Std Dev 0

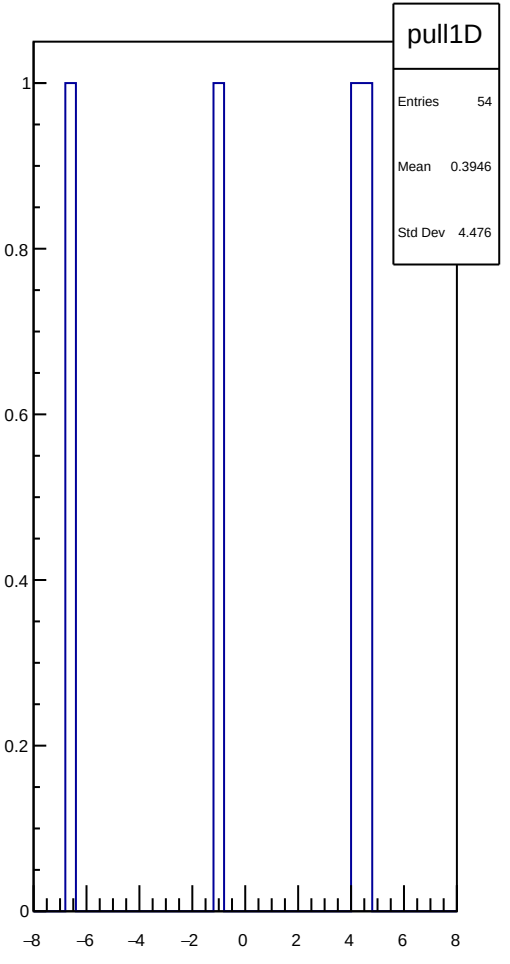

yield_bpm0l07Y_rms vs run
χ^2 / ndf 3.973e+04 / 53
p0 0.002904 ± 2.873e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

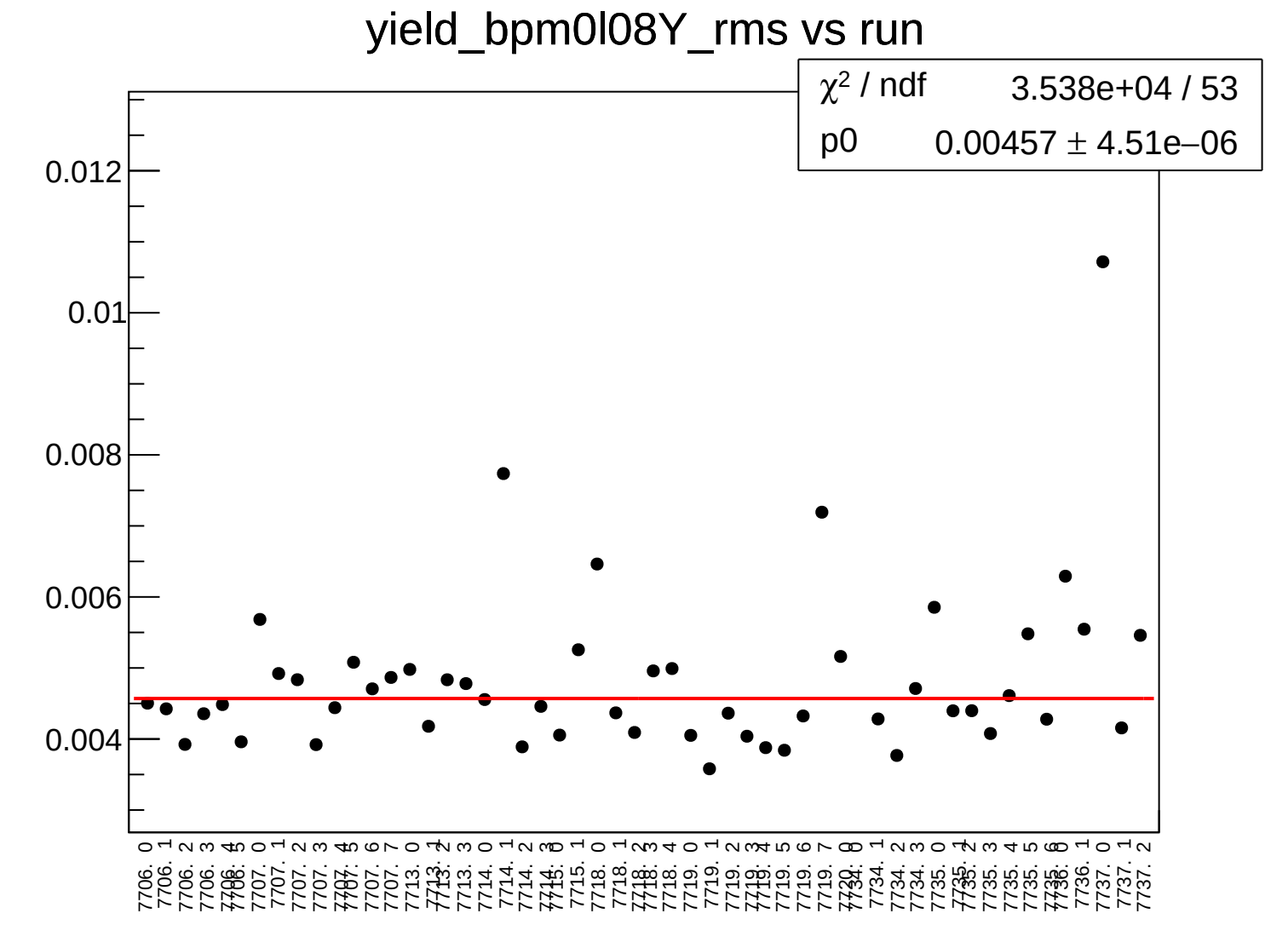

yield_bpm0l08X_mean vs run
χ² / ndf 1.111e+05 / 53
p0 0.1373 ± 2.217e−05
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
pull
Entries 54
Mean 250.5
Std Dev 0
100
50
0
−50
−100

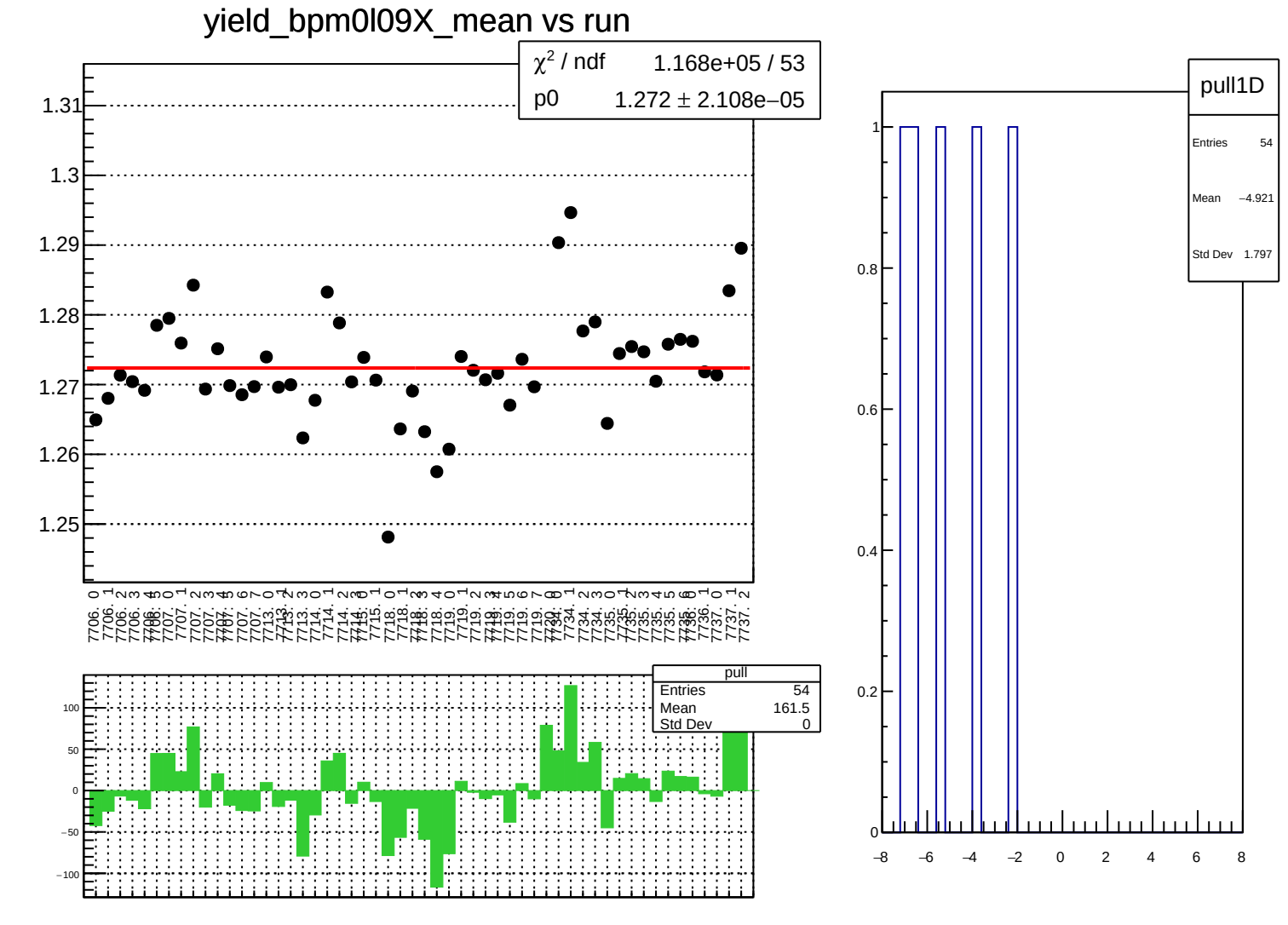

pull1D
Entries 54
Mean −0.9573
Std Dev 5.829
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

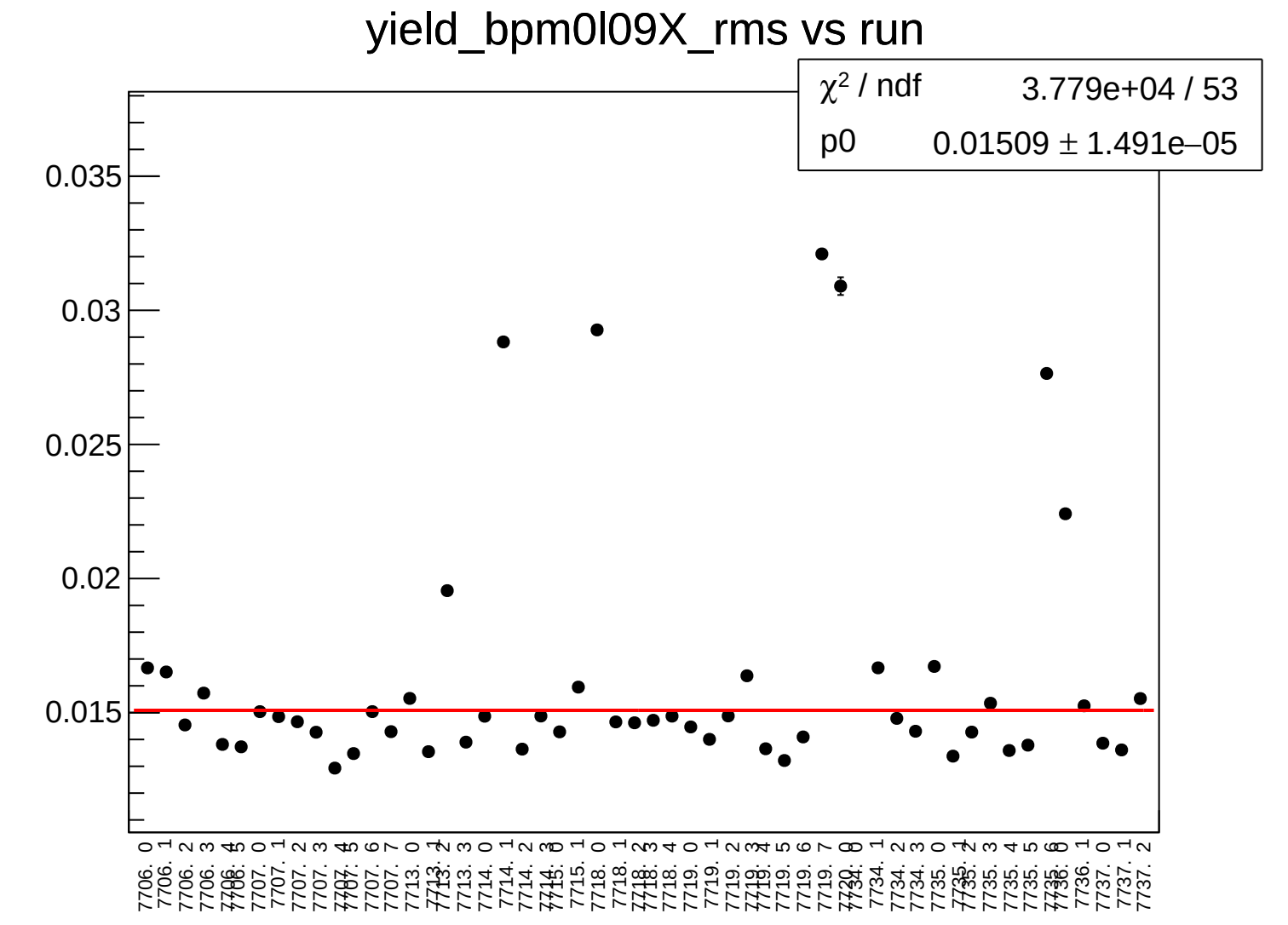

yield_bpm0l08X_rms vs run
χ² / ndf 3.515e+04 / 53
p0 0.01589 ± 1.568e–05
0.04
0.035
0.03
0.025
0.02
0.015

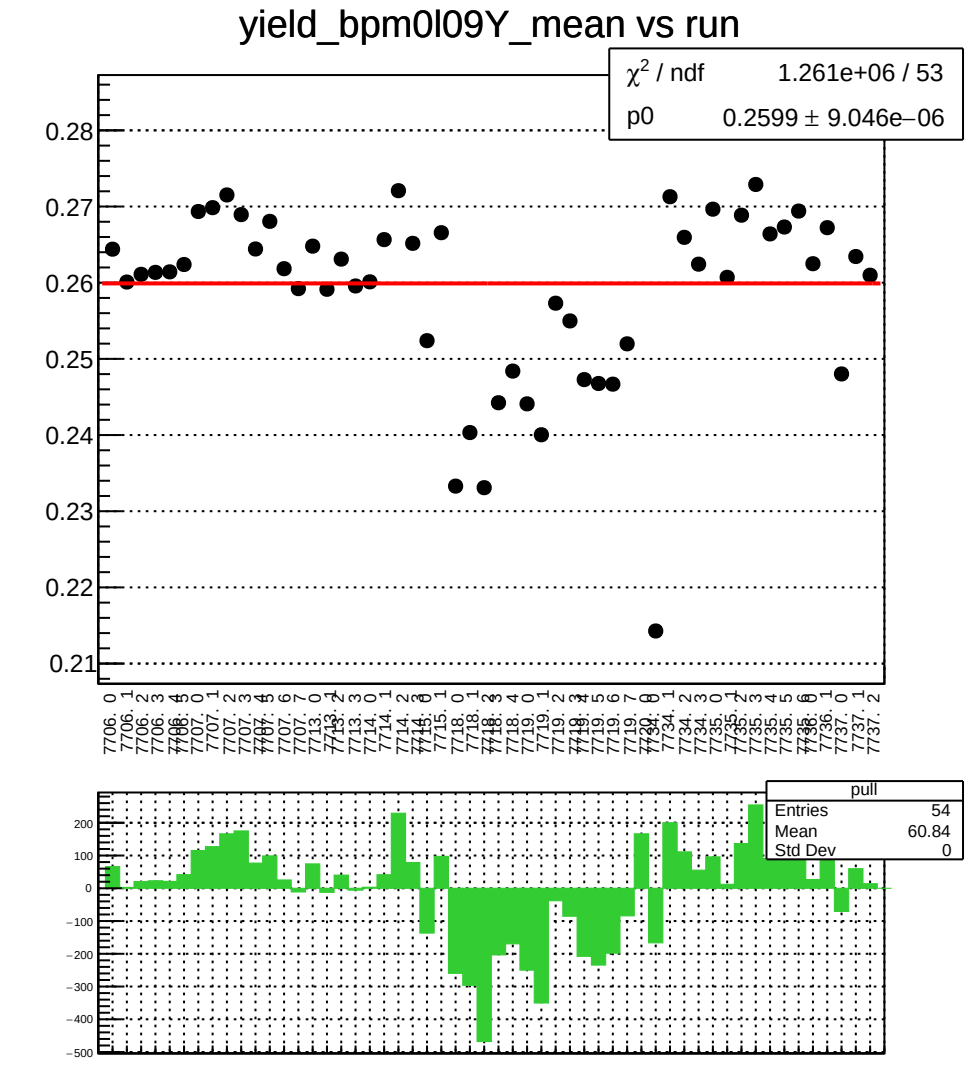

yield_bpm0l08Y_mean vs run
χ² / ndf 9.514e+05 / 53
p0 0.3413 ± 6.378e−06
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 54
Mean 190.5
Std Dev 0
200
100
0
−100
−200
−300

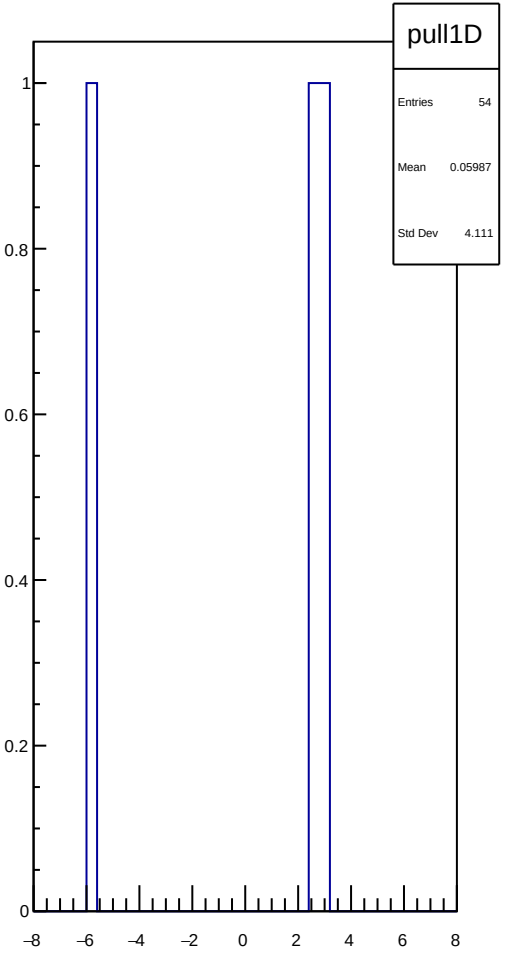

pull1D
Entries 54
Mean 0.3946
Std Dev 4.476
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

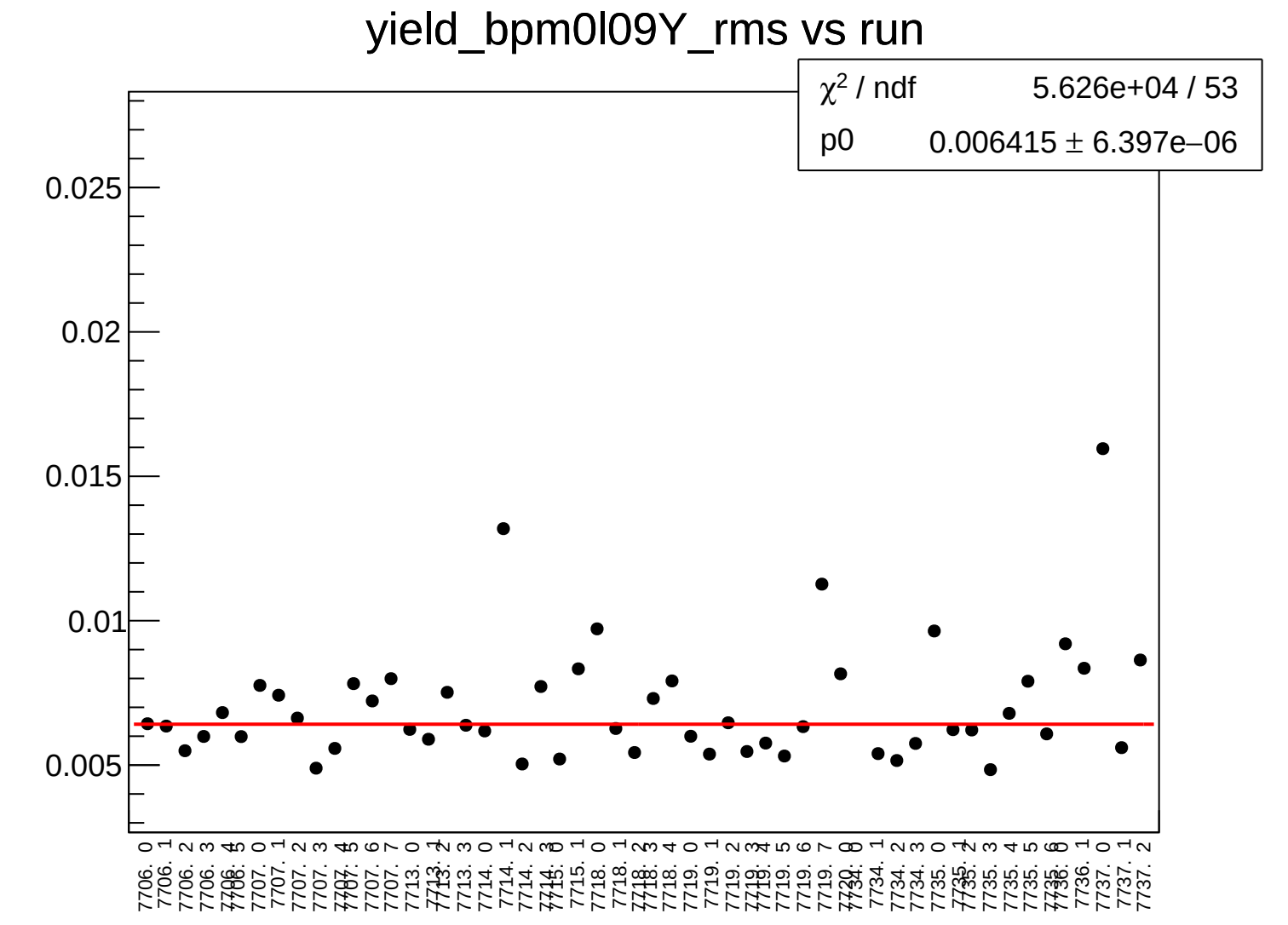

yield_bpm0l08Y_rms vs run
χ² / ndf 3.538e+04 / 53
p0 0.00457 ± 4.51e−06
0.012
0.01
0.008
0.006
0.004

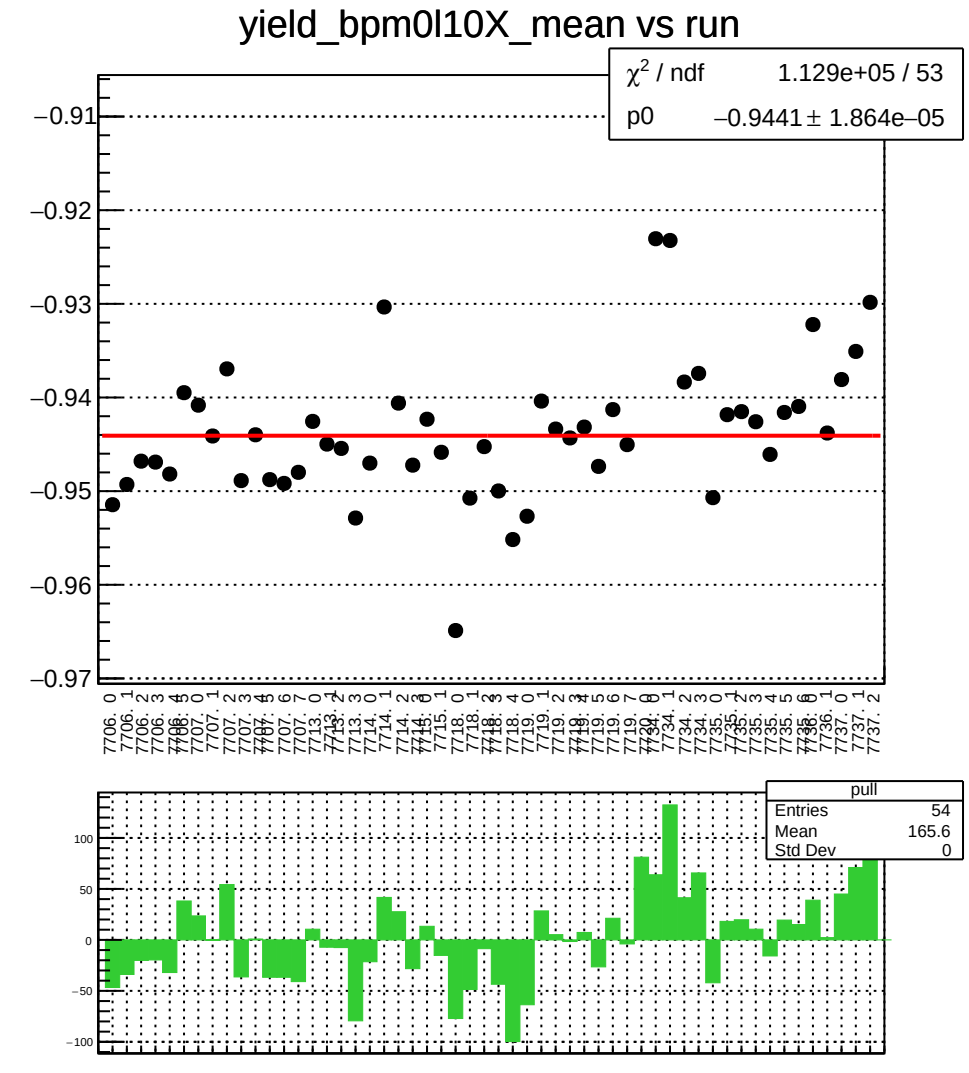

yield_bpm0l09X_mean vs run
χ² / ndf 1.168e+05 / 53
p0 1.272 ± 2.108e−05
1.31
1.3
1.29
1.28
1.27
1.26
1.25
pull
Entries 54
Mean 161.5
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 54
Mean −4.921
Std Dev 1.797
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

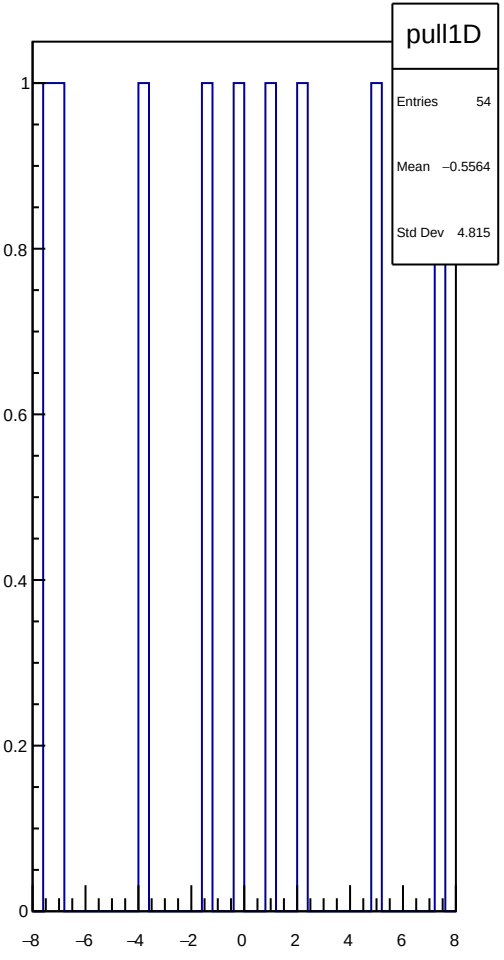

yield_bpm0l09X_rms vs run
χ² / ndf 3.779e+04 / 53
p0 0.01509 ± 1.491e–05
0.035
0.03
0.025
0.02
0.015

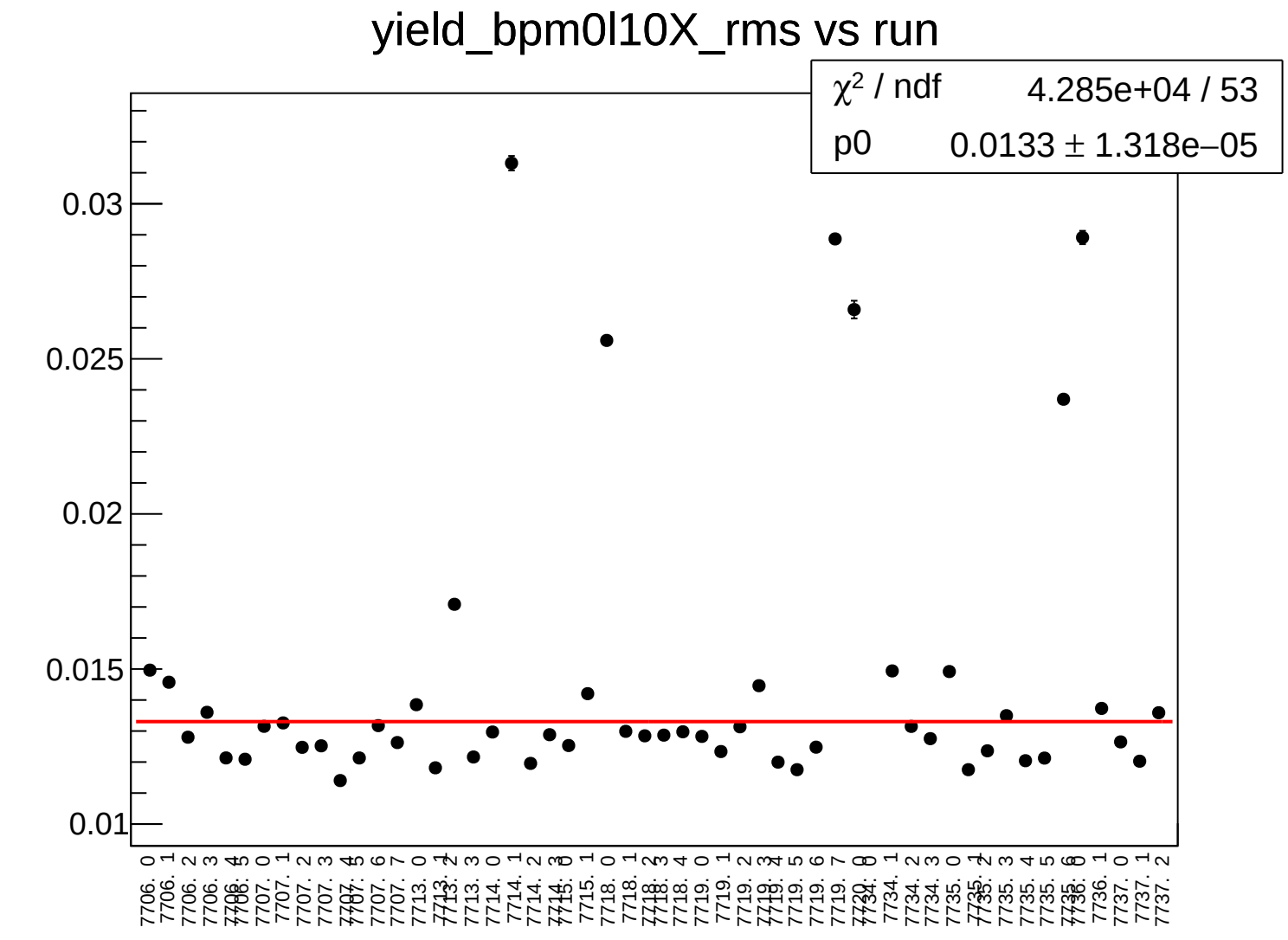

yield_bpm0l09Y_mean vs run
χ² / ndf 1.261e+06 / 53
p0 0.2599 ± 9.046e−06
pull
Entries 54
Mean 60.84
Std Dev 0

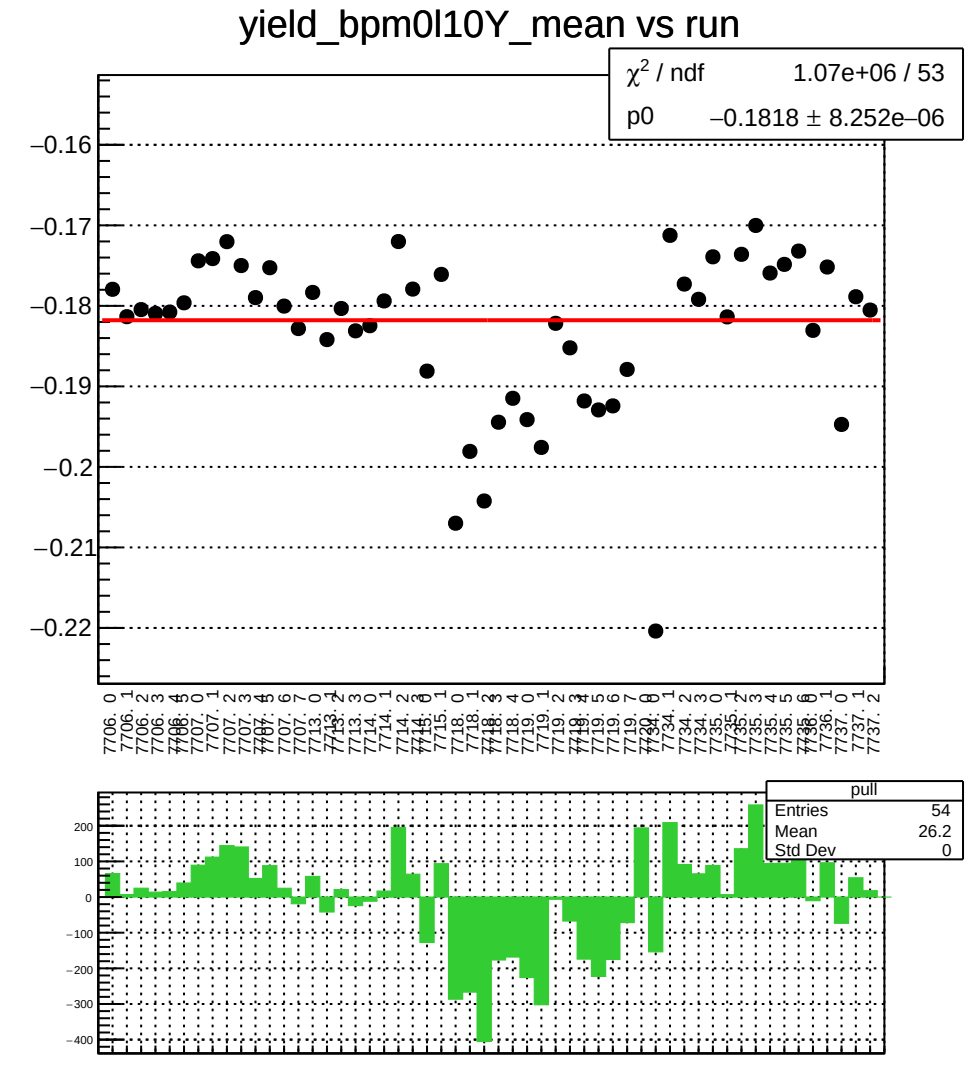

pull1D
Entries 54
Mean 0.05987
Std Dev 4.111

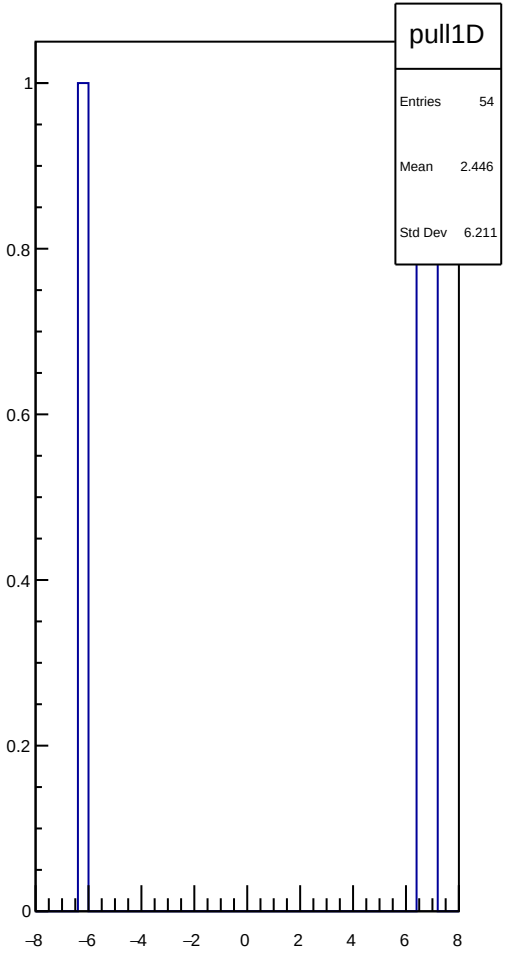

yield_bpm0l09Y_rms vs run
χ² / ndf 5.626e+04 / 53
p0 0.006415 ± 6.397e−06
0.025
0.02
0.015
0.01
0.005

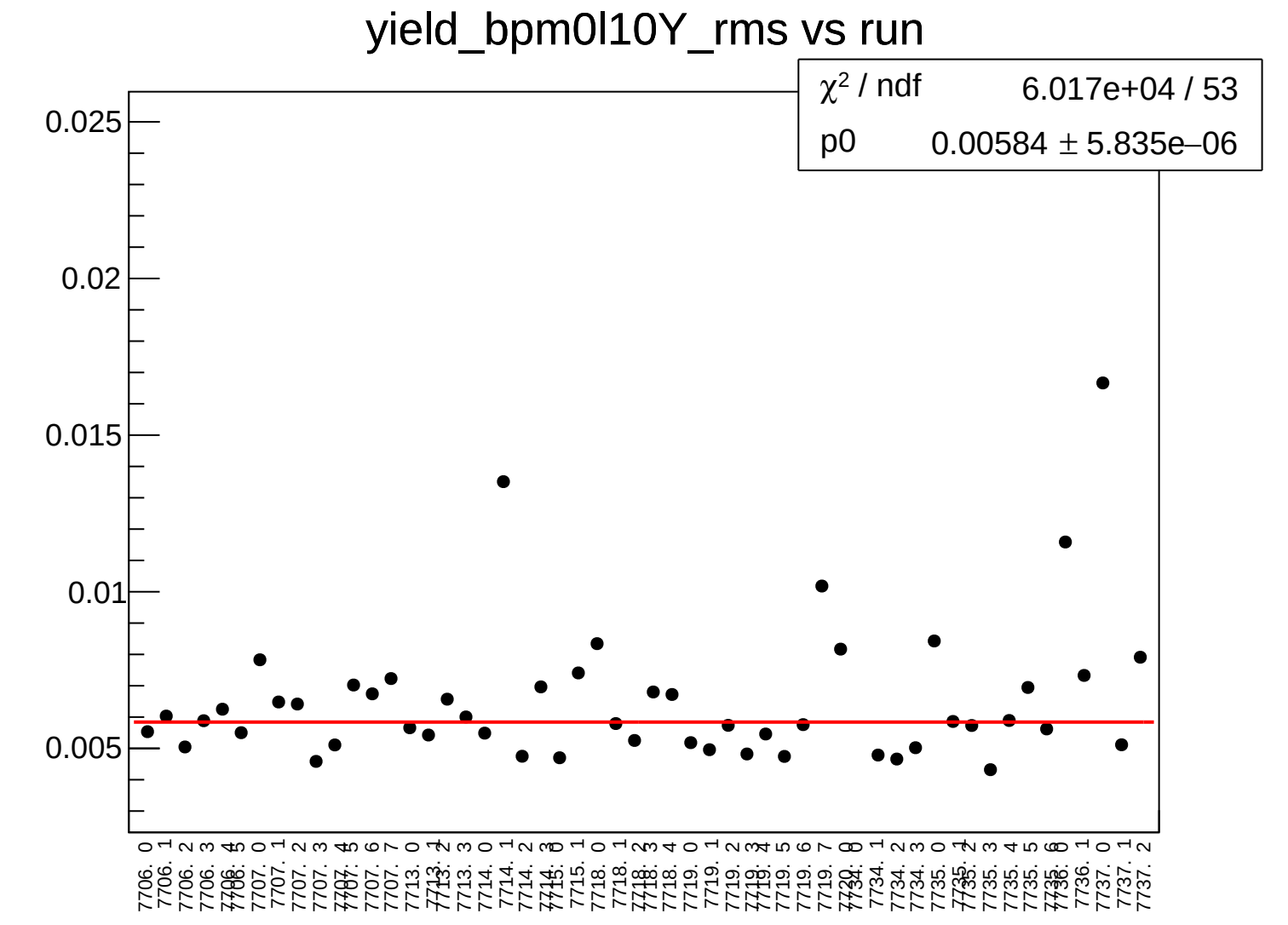

yield_bpm0l10X_mean vs run
χ² / ndf 1.129e+05 / 53
p0 −0.9441 ± 1.864e−05
−0.91
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
pull
Entries 54
Mean 165.6
Std Dev 0
100
50
0
−50
−100

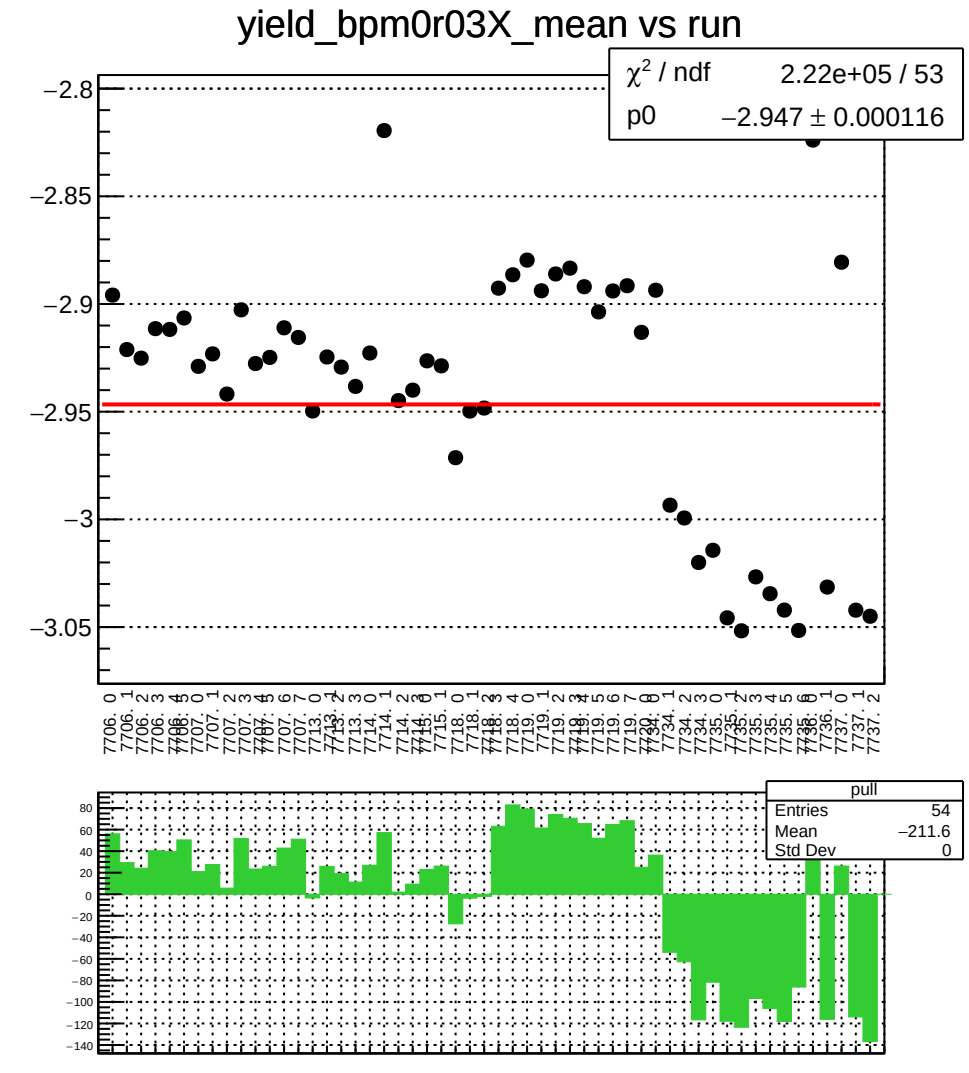

pull1D
Entries 54
Mean −0.5564
Std Dev 4.815
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

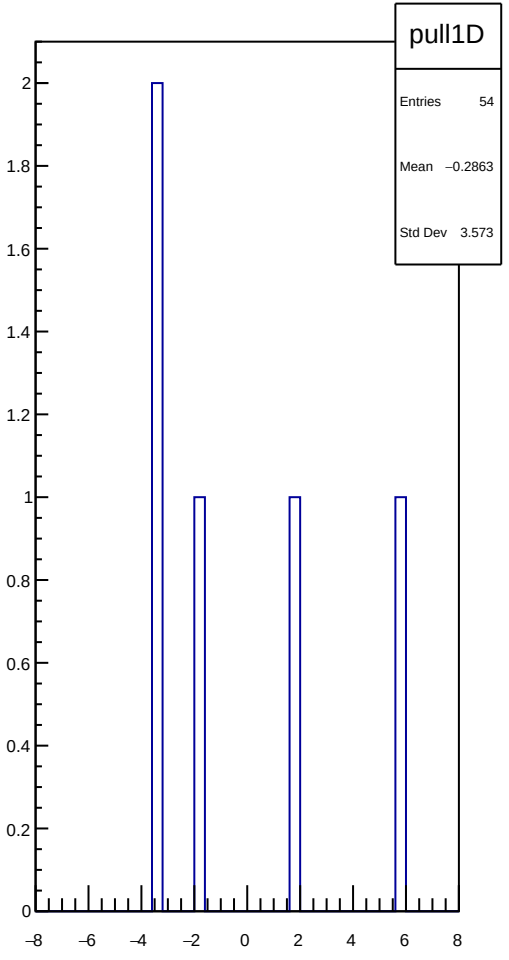

yield_bpm0l10X_rms vs run
χ² / ndf 4.285e+04 / 53
p0 0.0133 ± 1.318e−05
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

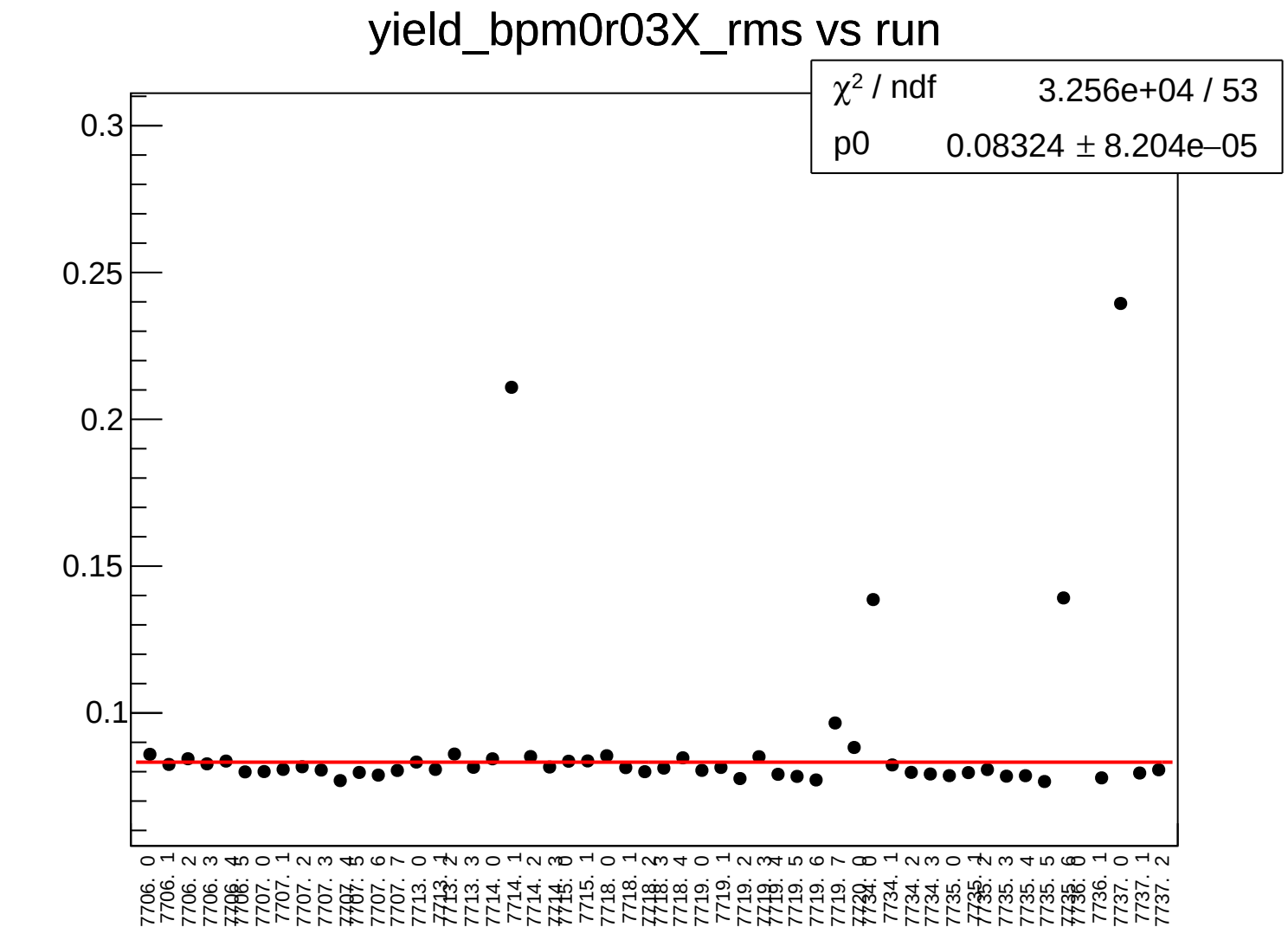

yield_bpm0l10Y_mean vs run
χ² / ndf 1.07e+06 / 53
p0 −0.1818 ± 8.252e−06
−0.16
−0.17
−0.18
−0.19
−0.2
−0.21
−0.22
pull
Entries 54
Mean 26.2
Std Dev 0
200
100
0
−100
−200
−300
−400

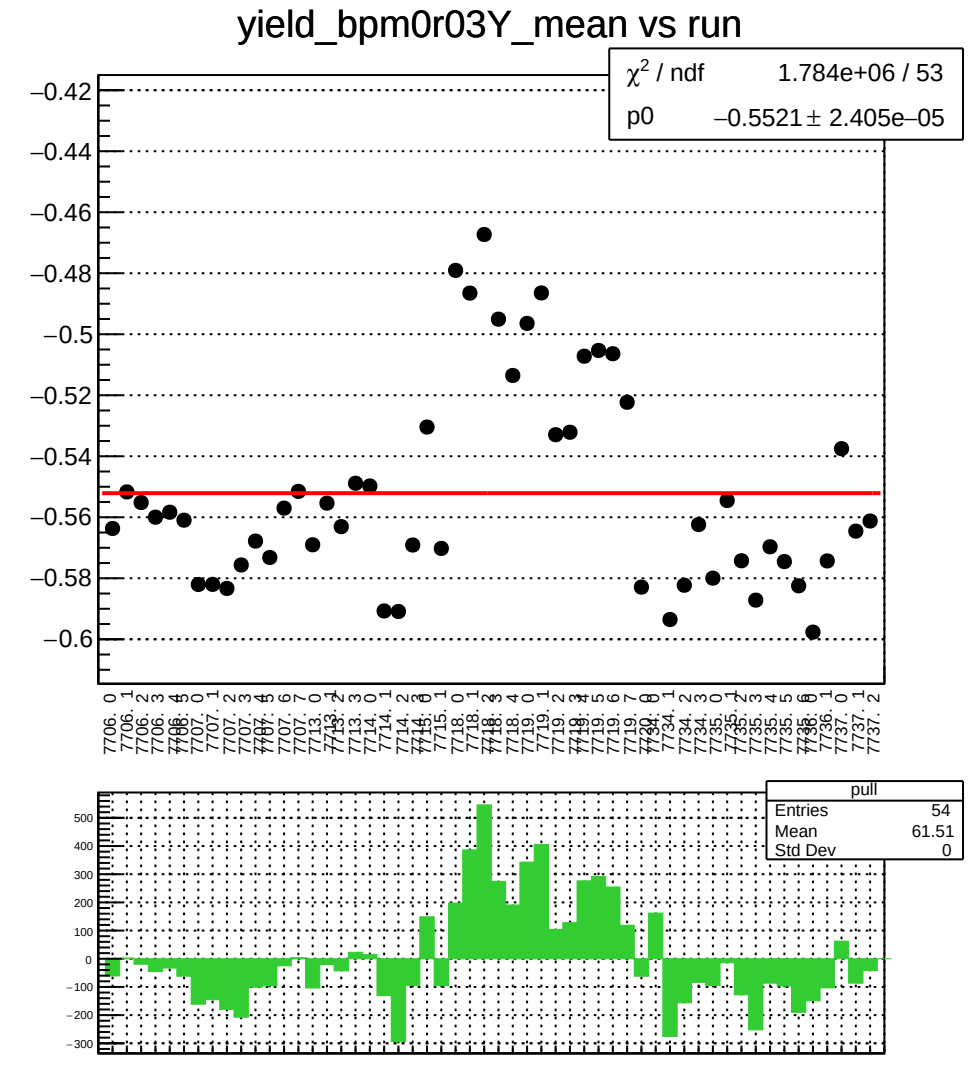

pull1D
Entries 54
Mean 2.446
Std Dev 6.211
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

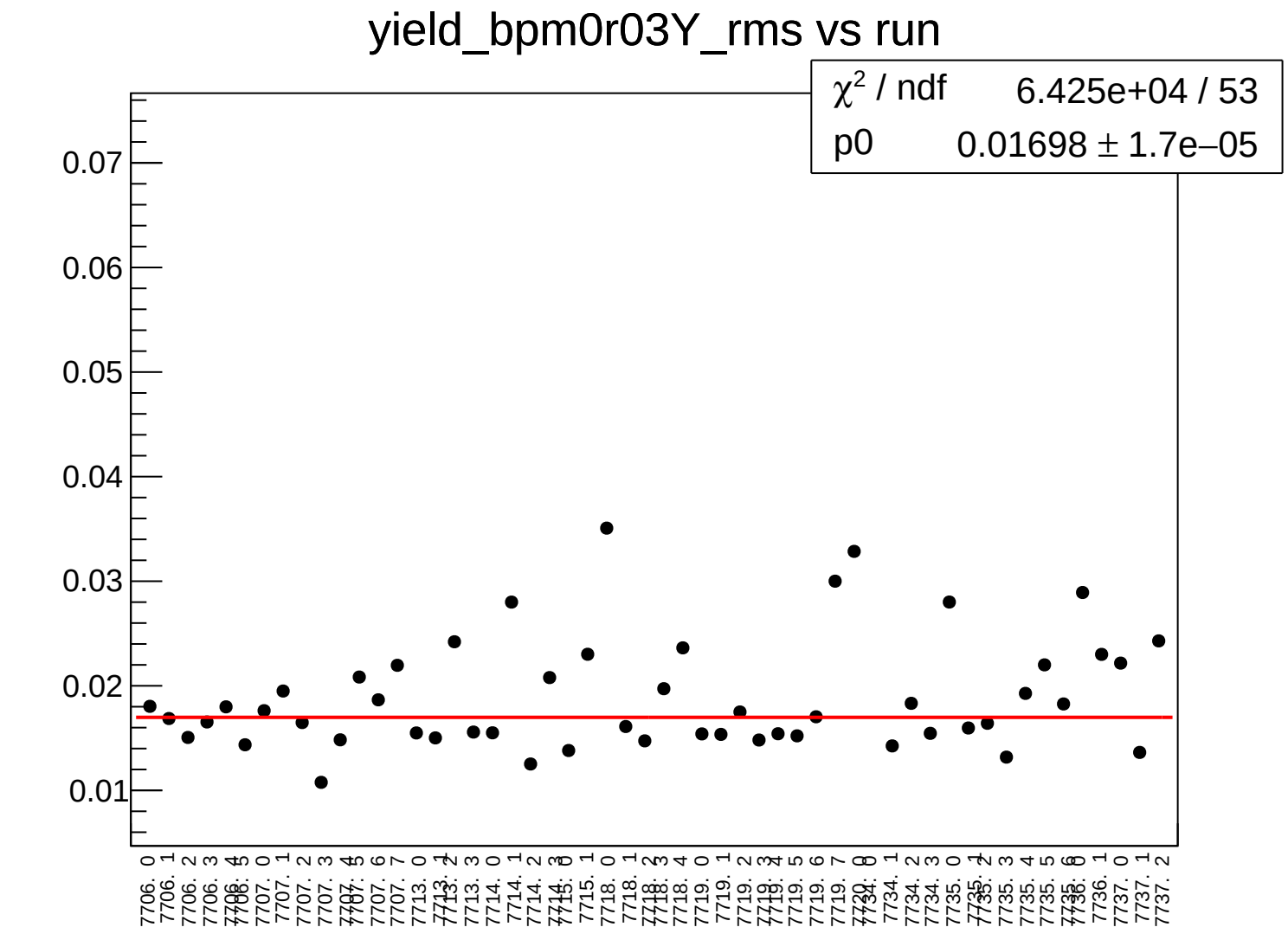

yield_bpm0l10Y_rms vs run
χ² / ndf 6.017e+04 / 53
p0 0.00584 ± 5.835e–06
0.025
0.02
0.015
0.01
0.005

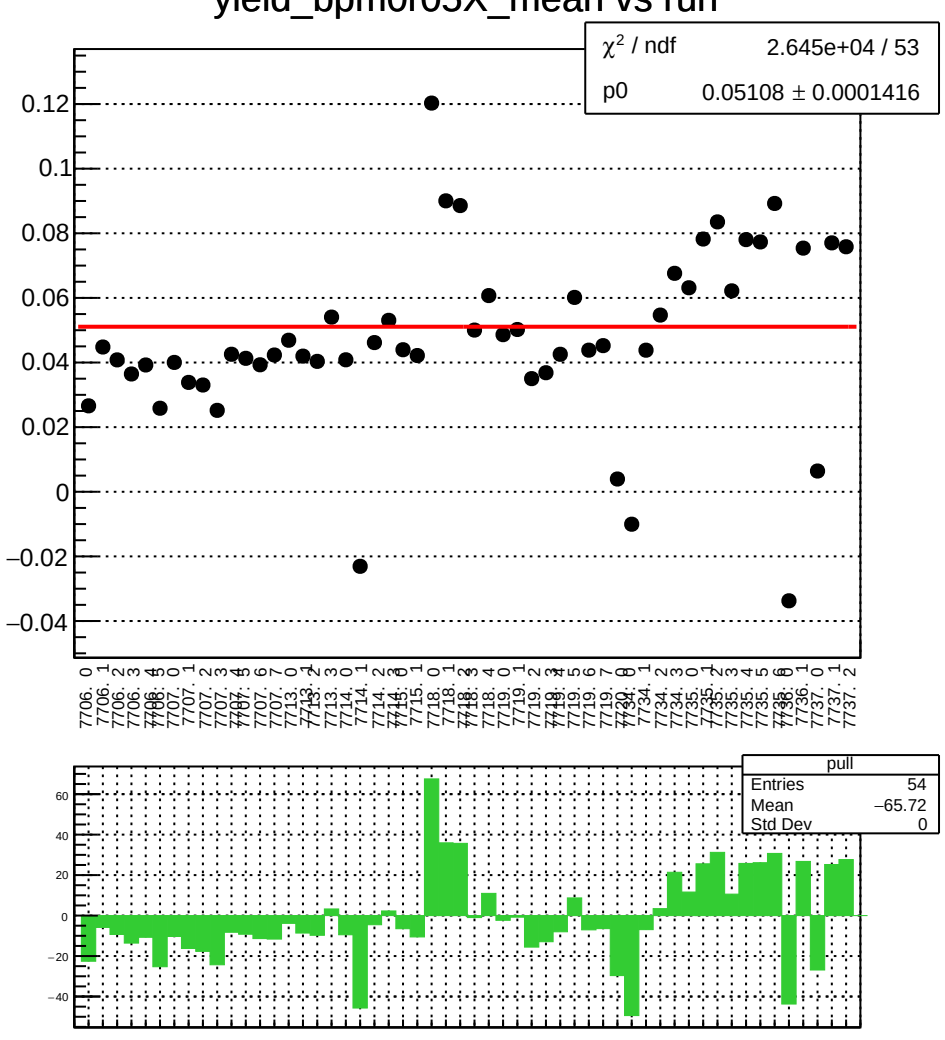

yield_bpm0r03X_mean vs run
χ² / ndf 2.22e+05 / 53
p0 −2.947 ± 0.000116
−2.8
−2.85
−2.9
−2.95
−3
−3.05
pull
Entries 54
Mean −211.6
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

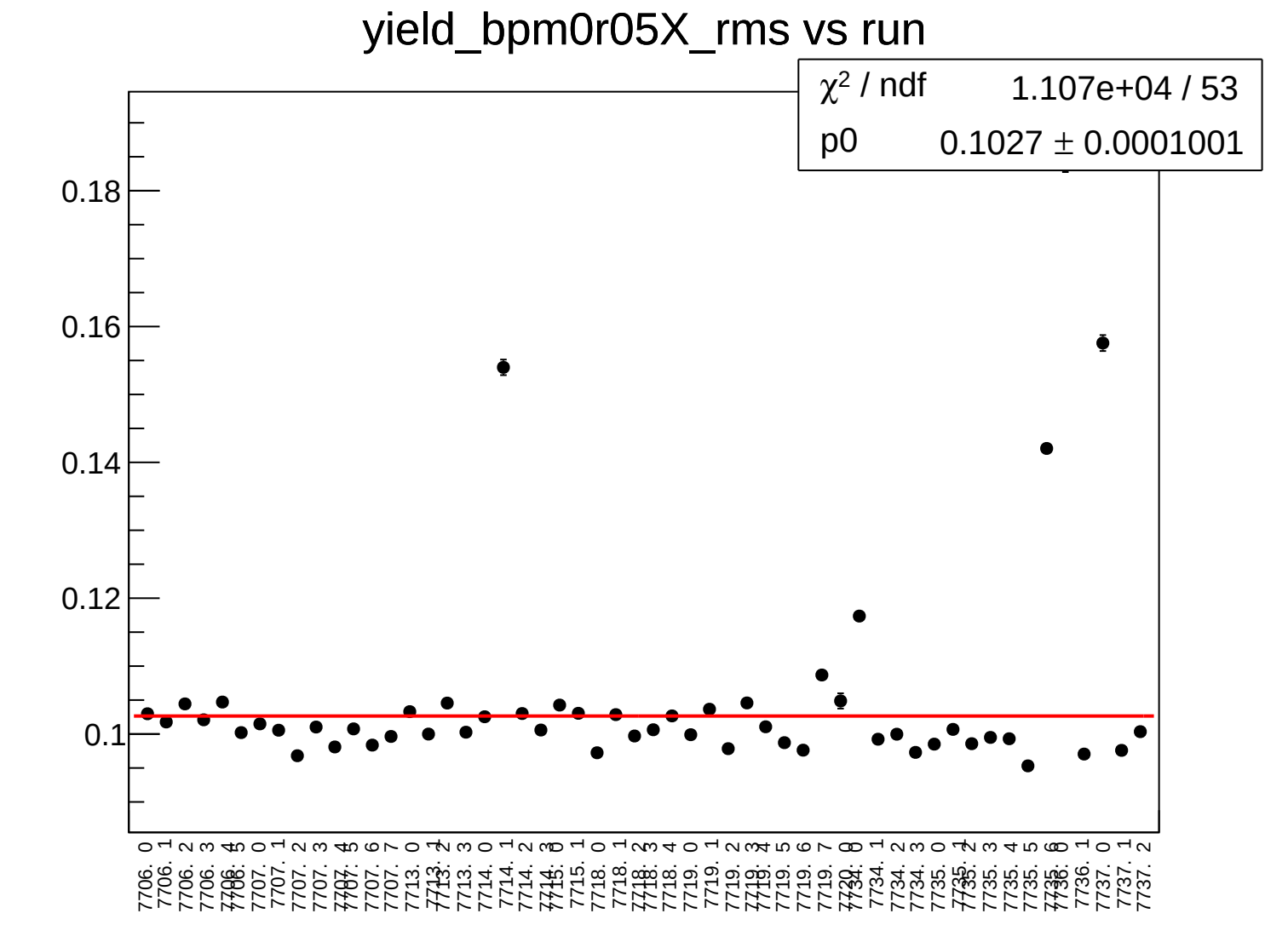

pull1D
Entries 54
Mean −0.2863
Std Dev 3.573
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

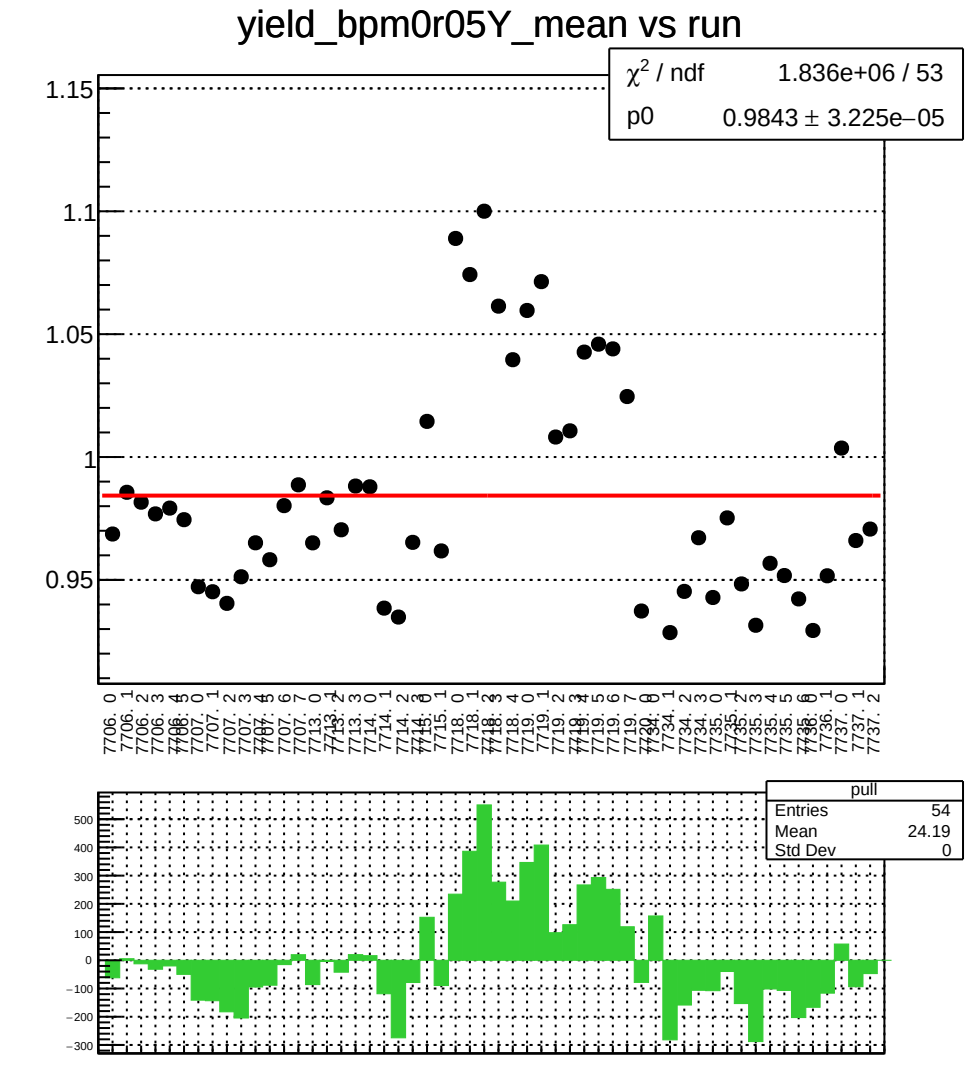

yield_bpm0r03X_rms vs run
χ² / ndf 3.256e+04 / 53
p0 0.08324 ± 8.204e–05
0.3
0.25
0.2
0.15
0.1

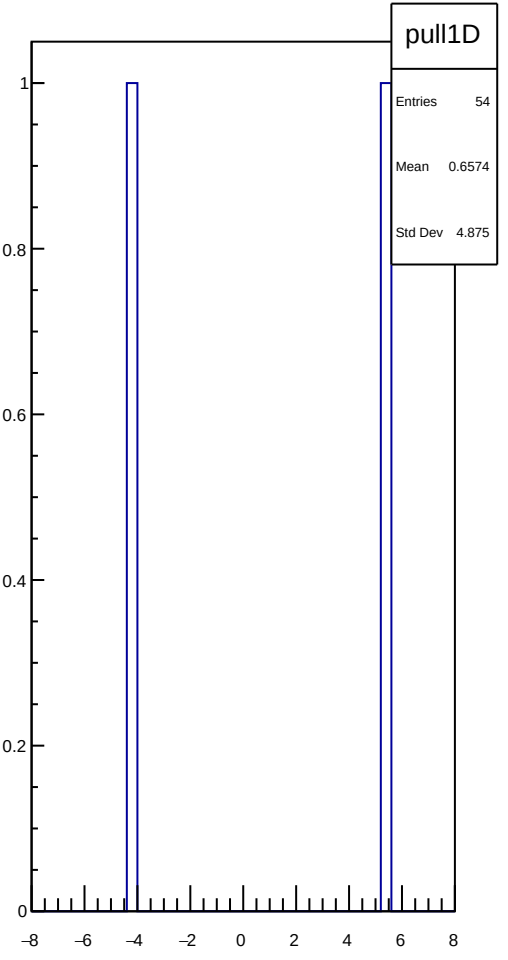

yield_bpm0r03Y_mean vs run
χ² / ndf 1.784e+06 / 53
p0 −0.5521 ± 2.405e−05
pull
Entries 54
Mean 61.51
Std Dev 0
pull1D
Entries 54
Mean 2.921
Std Dev 0.6039

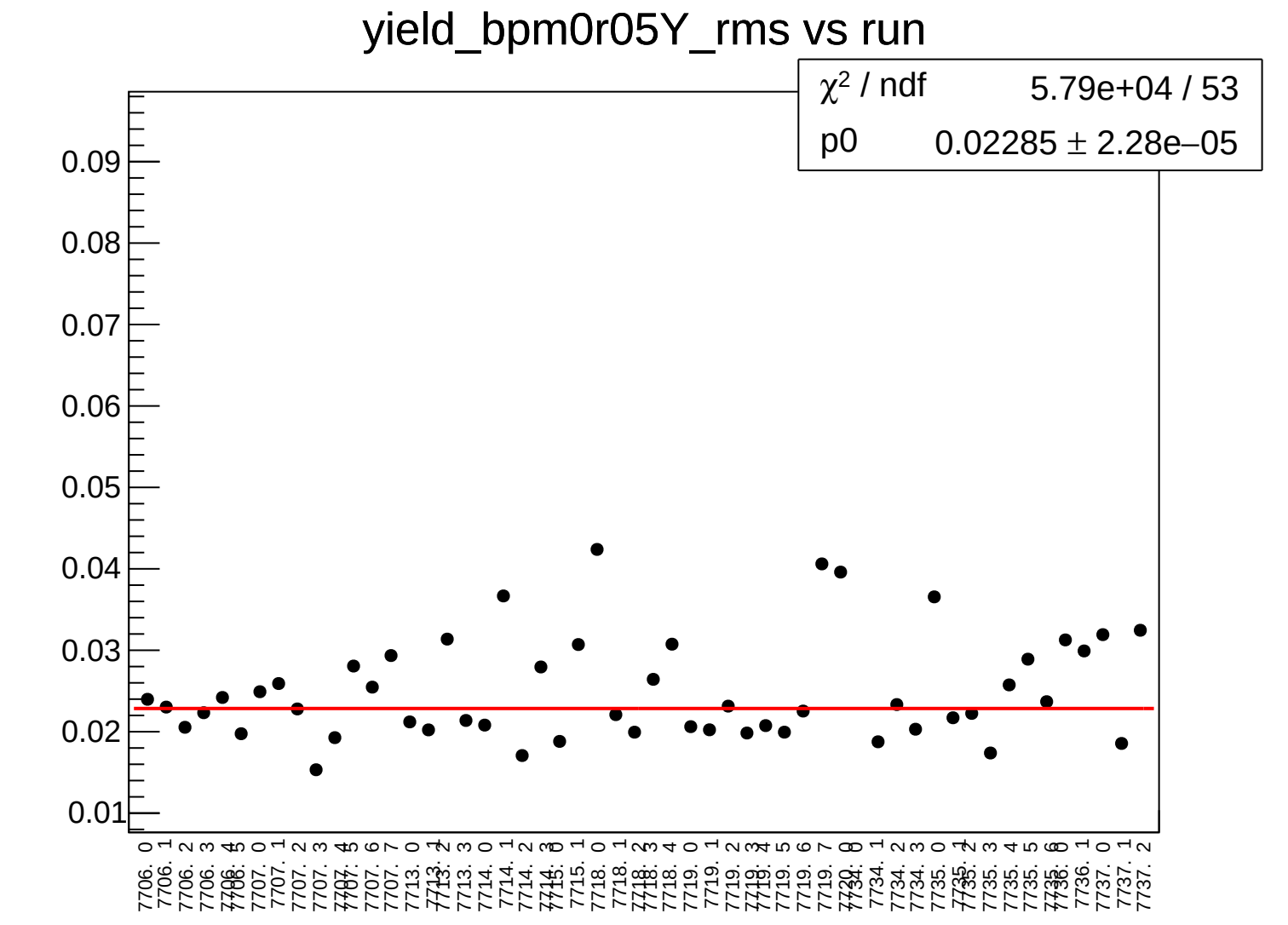

yield_bpm0r03Y_rms vs run
χ² / ndf 6.425e+04 / 53
p0 0.01698 ± 1.7e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

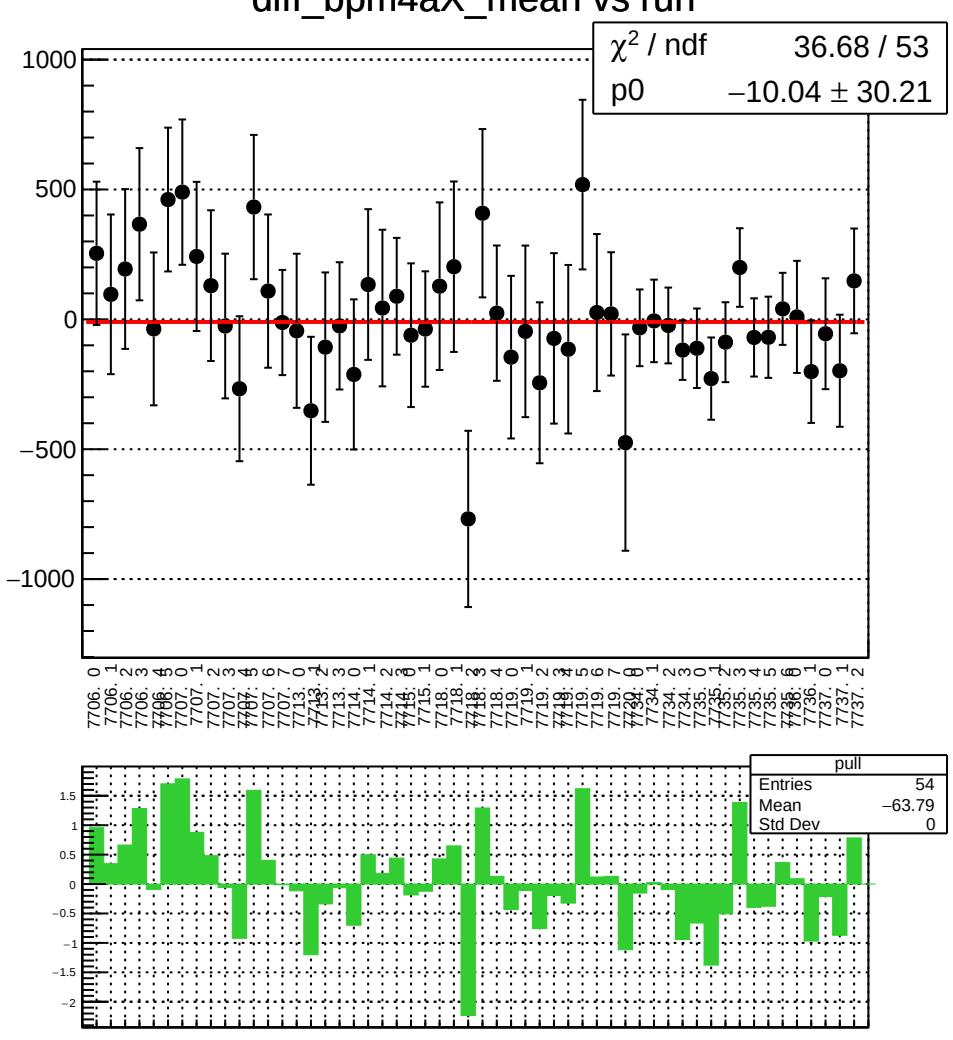

yield_bpm0r05X_mean vs run
χ² / ndf 2.645e+04 / 53
p0 0.05108 ± 0.0001416
pull
Entries 54
Mean −65.72
Std Dev 0
pull1D
Entries 54
Mean −2.789
Std Dev 3.763

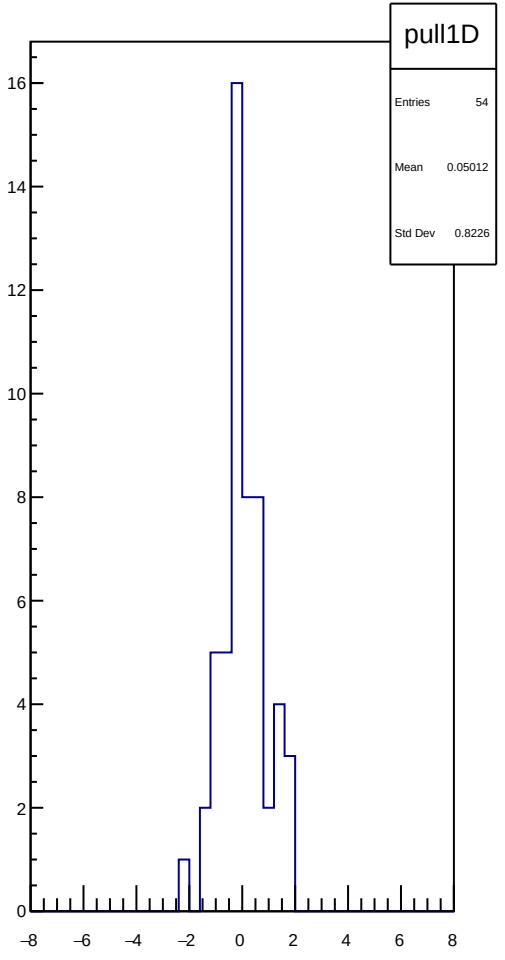

yield_bpm0r05X_rms vs run
χ² / ndf 1.107e+04 / 53
p0 0.1027 ± 0.0001001
0.18
0.16
0.14
0.12
0.1

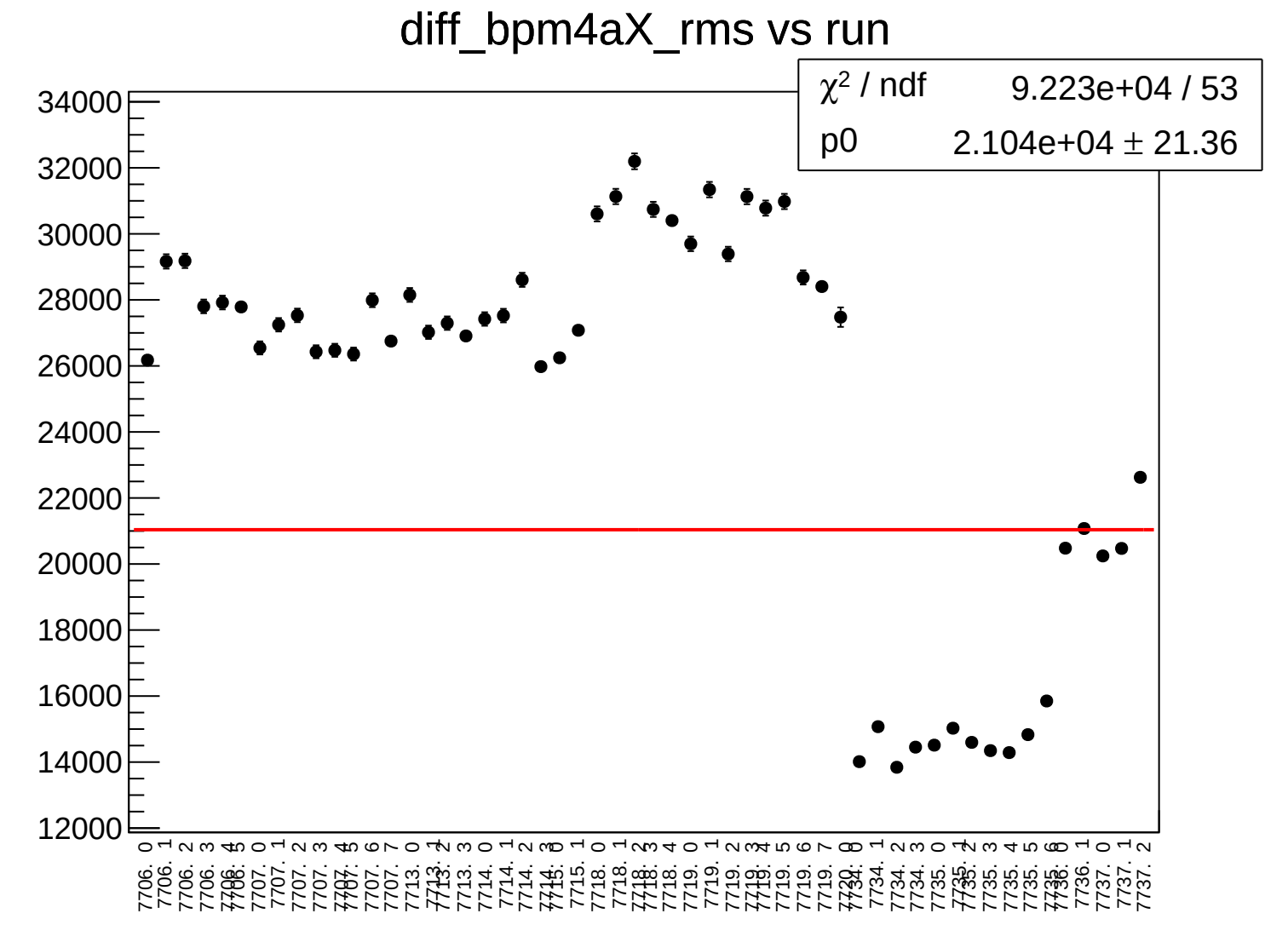

yield_bpm0r05Y_mean vs run
χ² / ndf 1.836e+06 / 53
p0 0.9843 ± 3.225e−05
1.15
1.1
1.05
1
0.95
pull
Entries 54
Mean 24.19
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

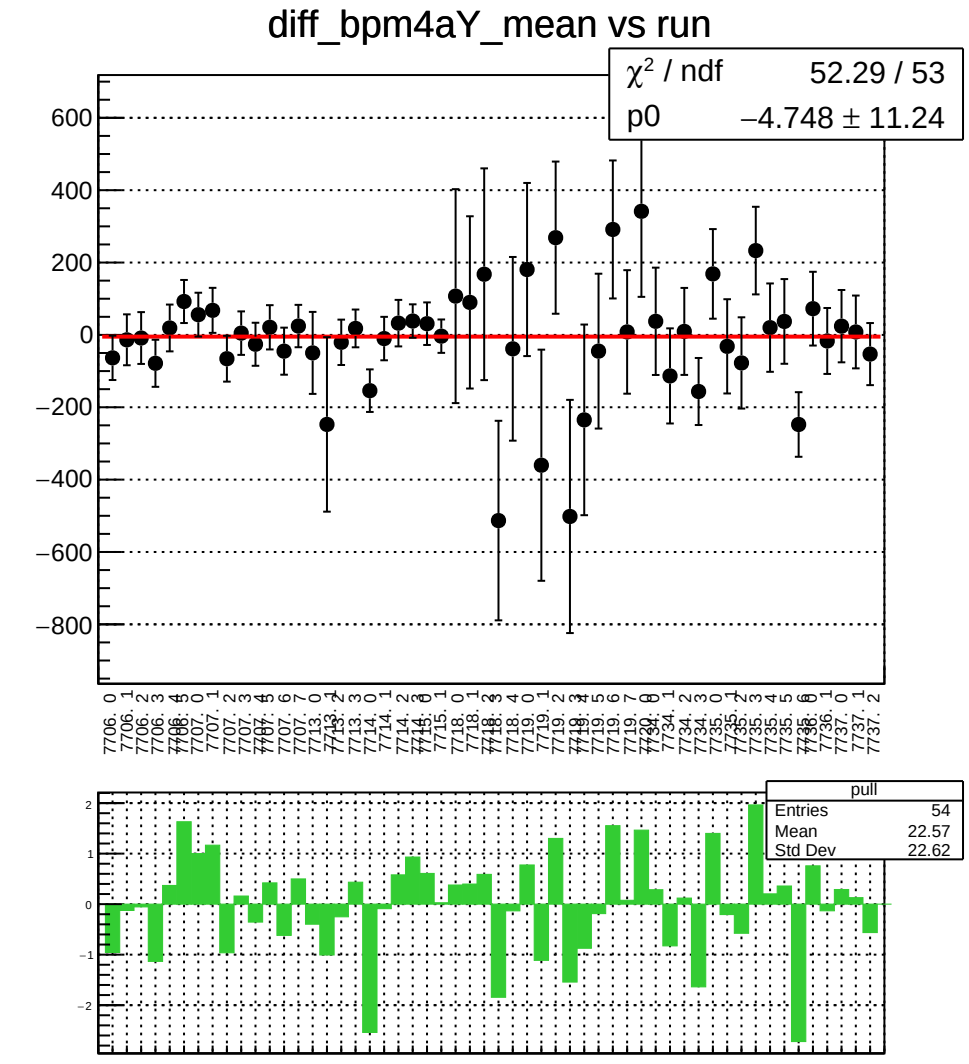

pull1D
Entries 54
Mean 0.6574
Std Dev 4.875
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

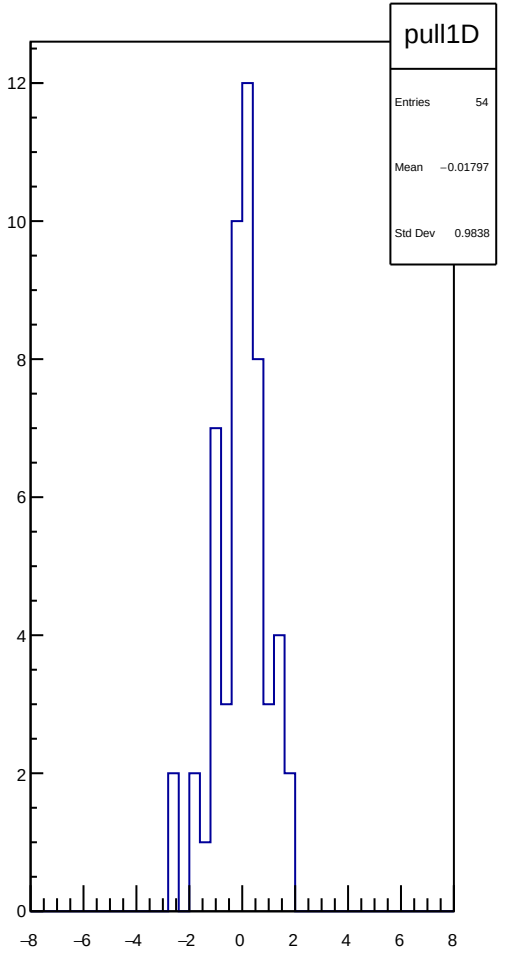

yield_bpm0r05Y_rms vs run
χ² / ndf 5.79e+04 / 53
p0 0.02285 ± 2.28e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

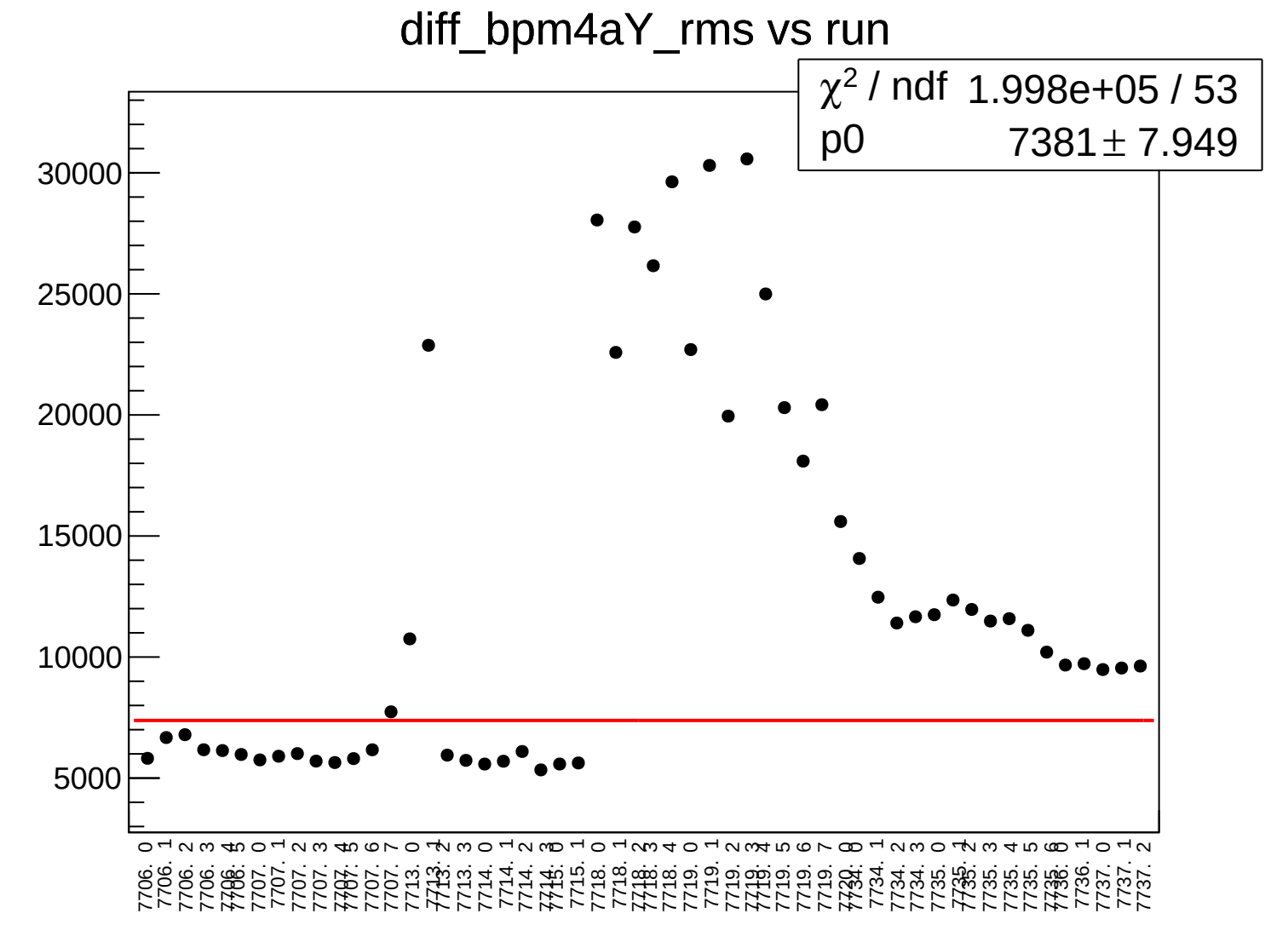

diff_bpm4aX_mean vs run
χ² / ndf 36.68 / 53
p0 −10.04 ± 30.21
1000
500
0
−500
−1000
pull
Entries 54
Mean −63.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

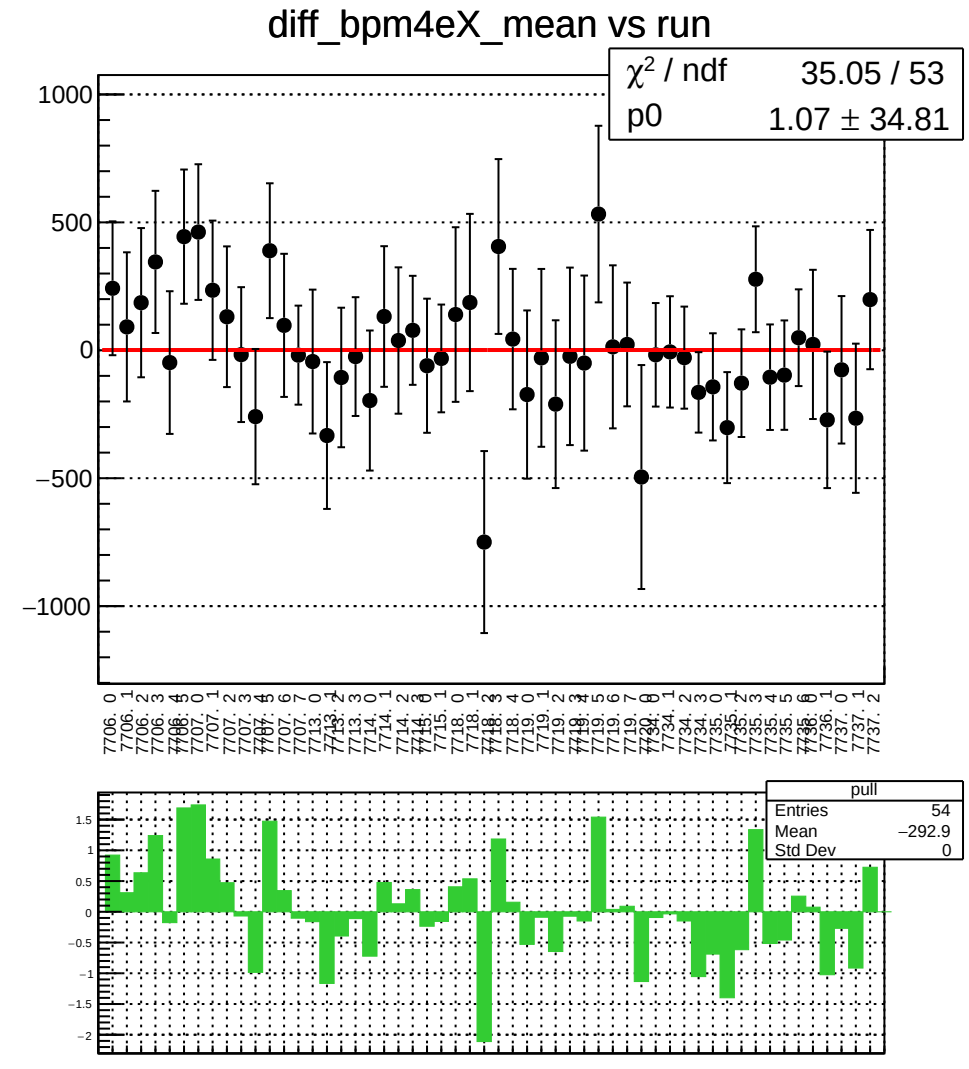

pull1D
Entries 54
Mean 0.05012
Std Dev 0.8226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

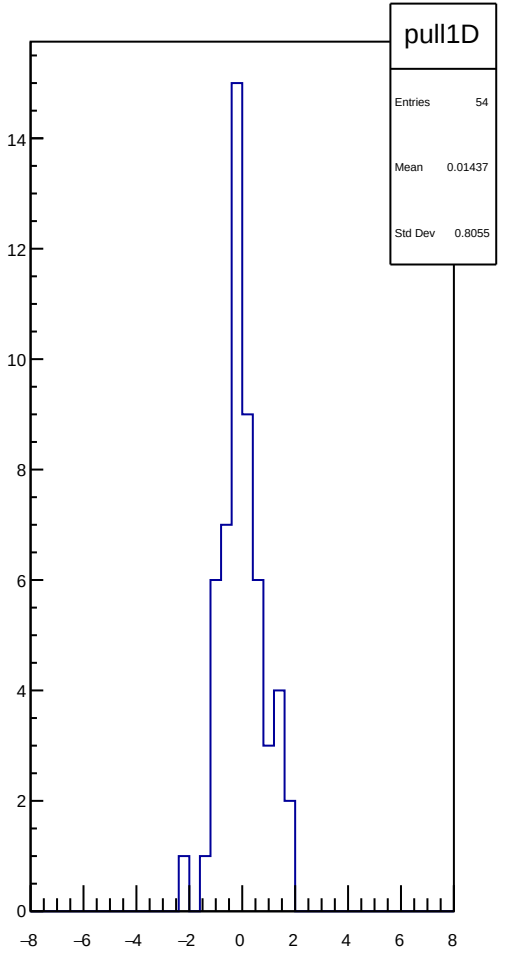

diff_bpm4aX_rms vs run
χ² / ndf 9.223e+04 / 53
p0 2.104e+04 ± 21.36
34000
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000

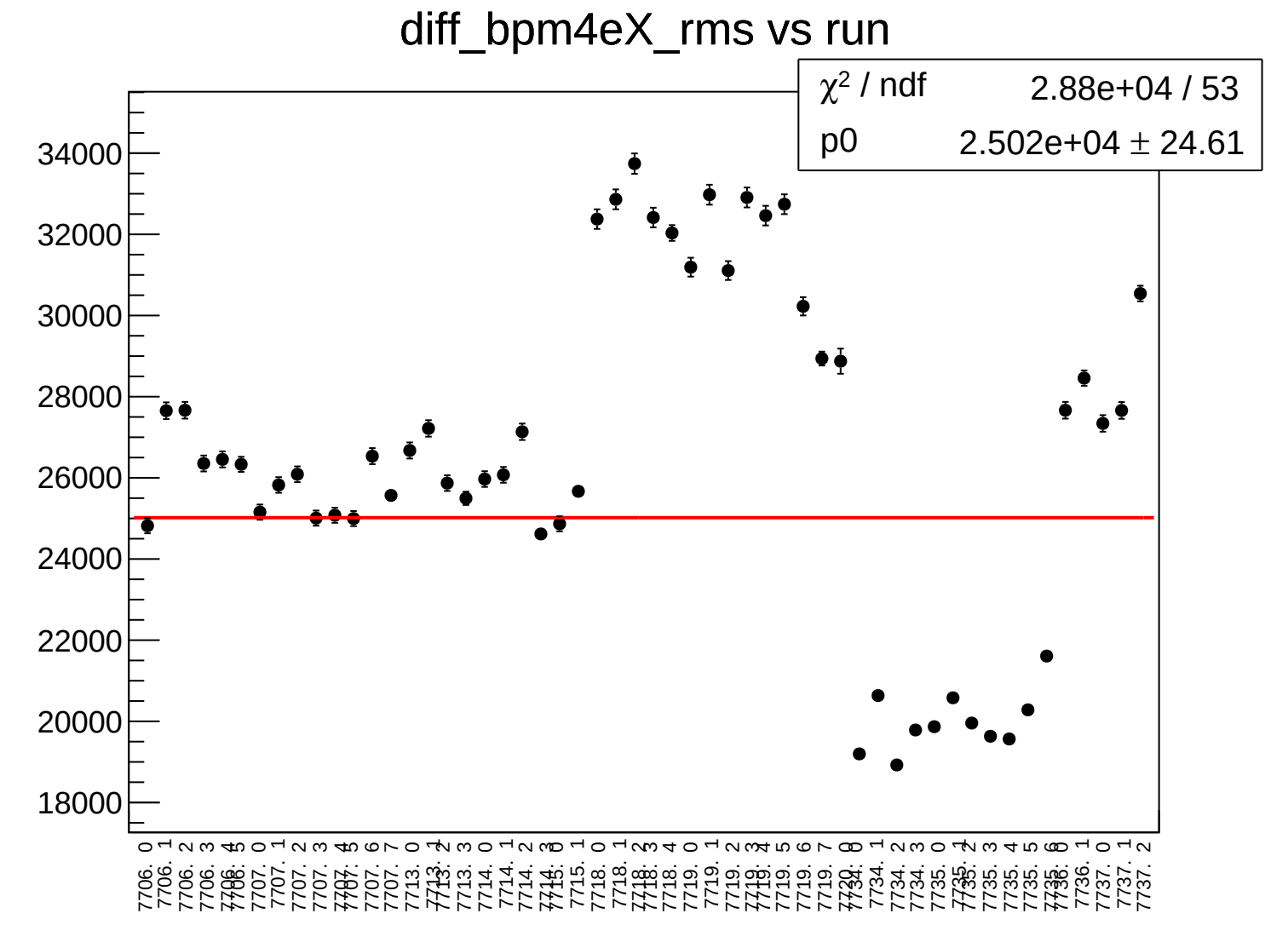

diff_bpm4aY_mean vs run
χ² / ndf 52.29 / 53
p0 −4.748 ± 11.24
pull
Entries 54
Mean 22.57
Std Dev 22.62

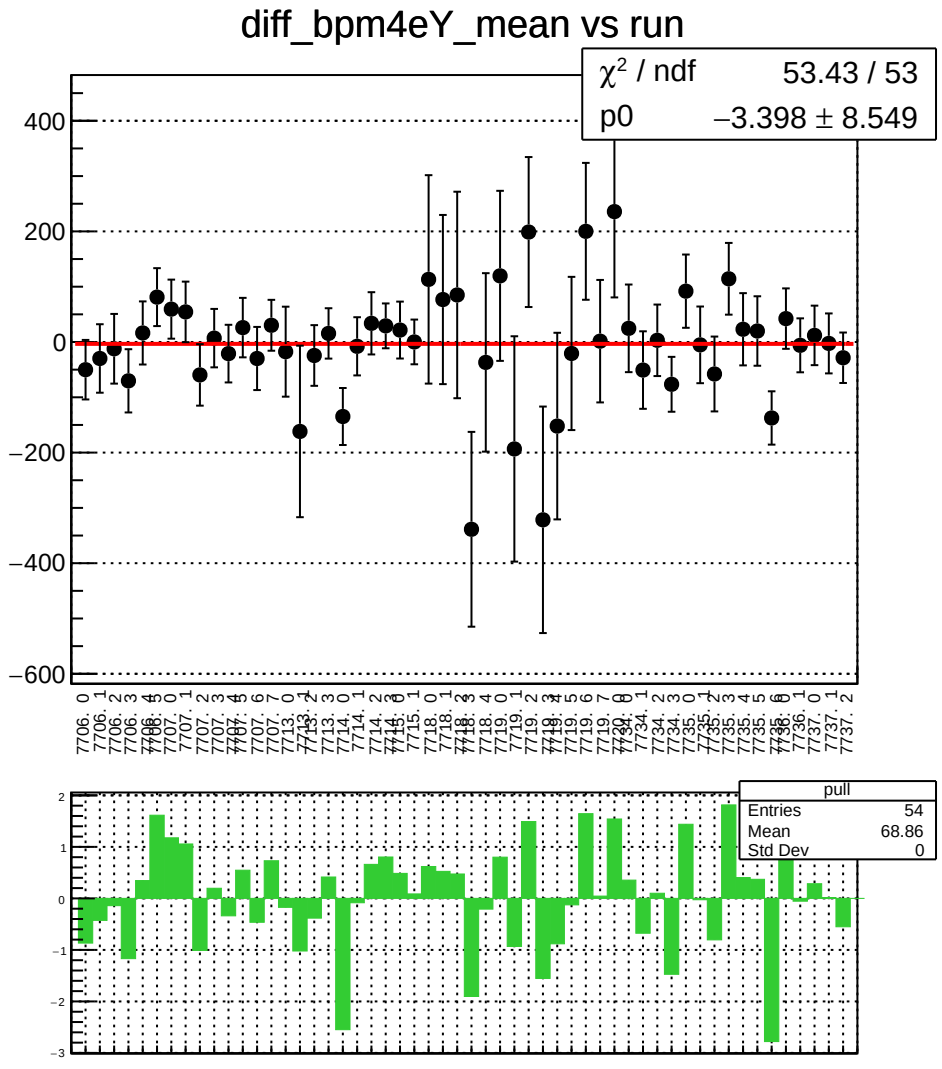

pull1D
Entries 54
Mean −0.01797
Std Dev 0.9838

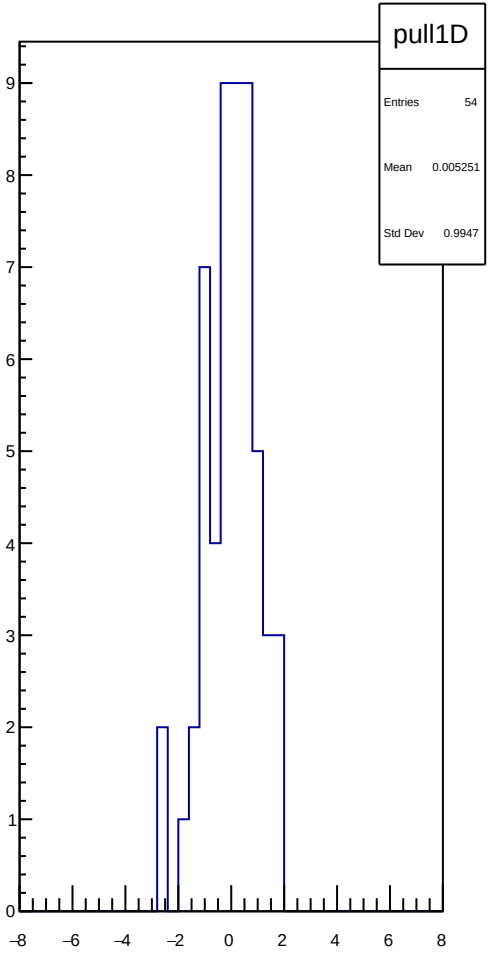

diff_bpm4aY_rms vs run
χ² / ndf 1.998e+05 / 53
p0 7381 ± 7.949
30000
25000
20000
15000
10000
5000

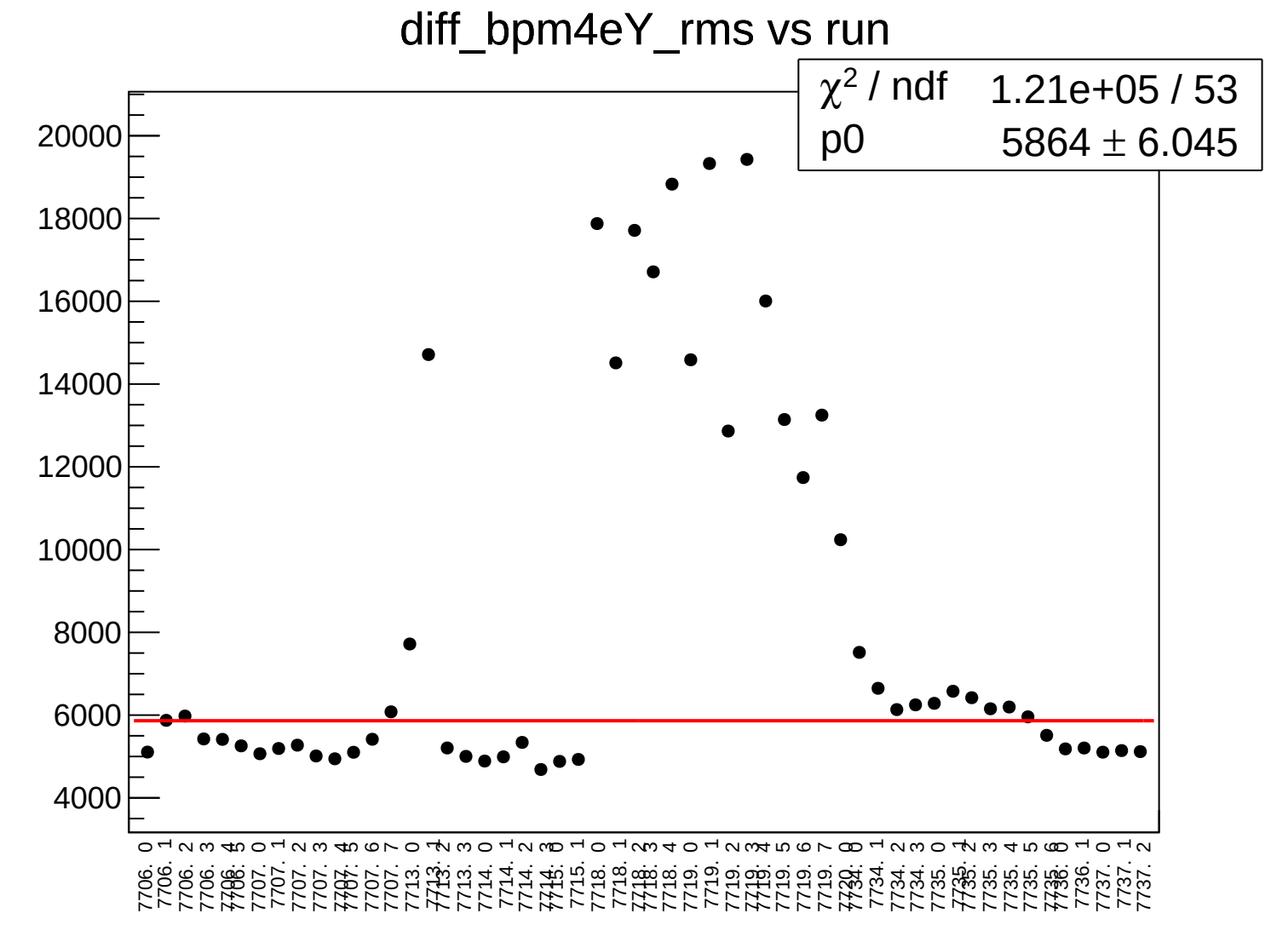

diff_bpm4eX_mean vs run
χ² / ndf 35.05 / 53
p0 1.07 ± 34.81
1000
500
0
−500
−1000
pull
Entries 54
Mean −292.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

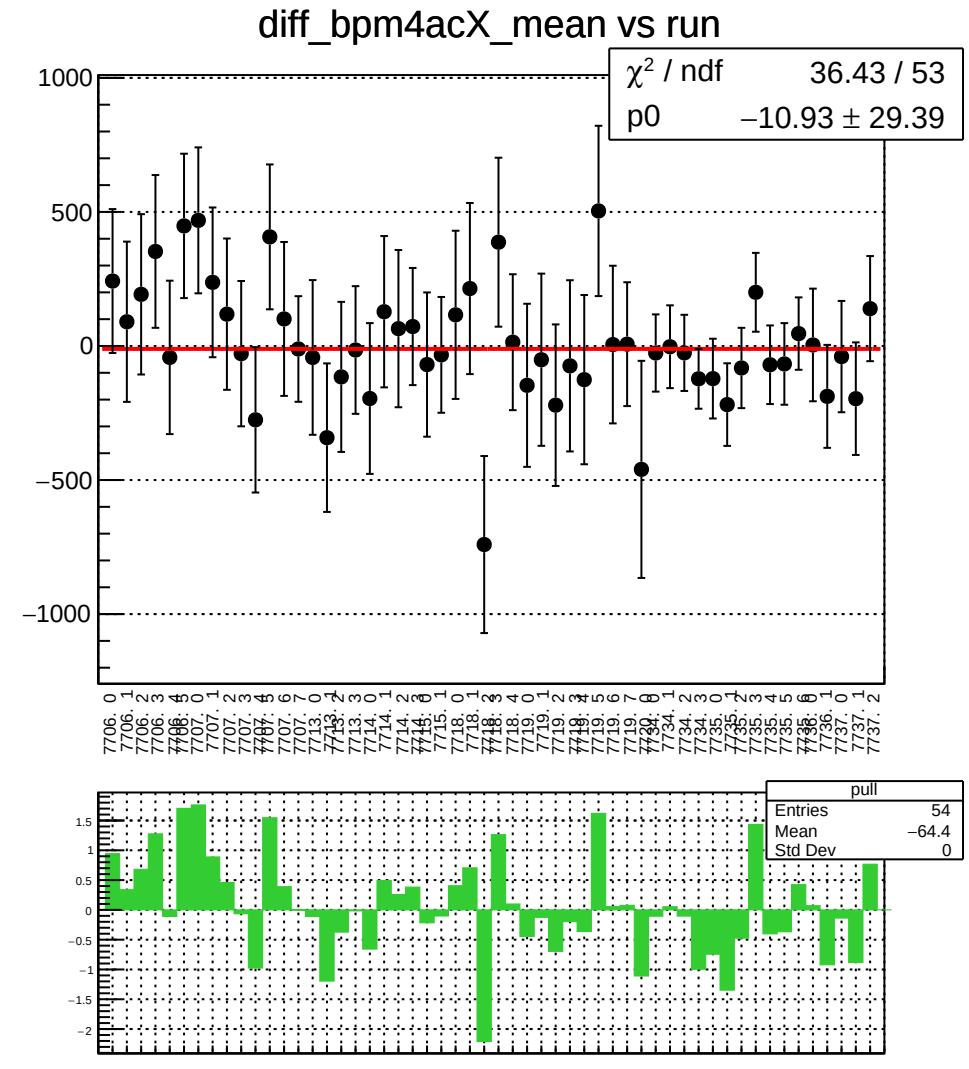

pull1D
Entries 54
Mean 0.01437
Std Dev 0.8055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

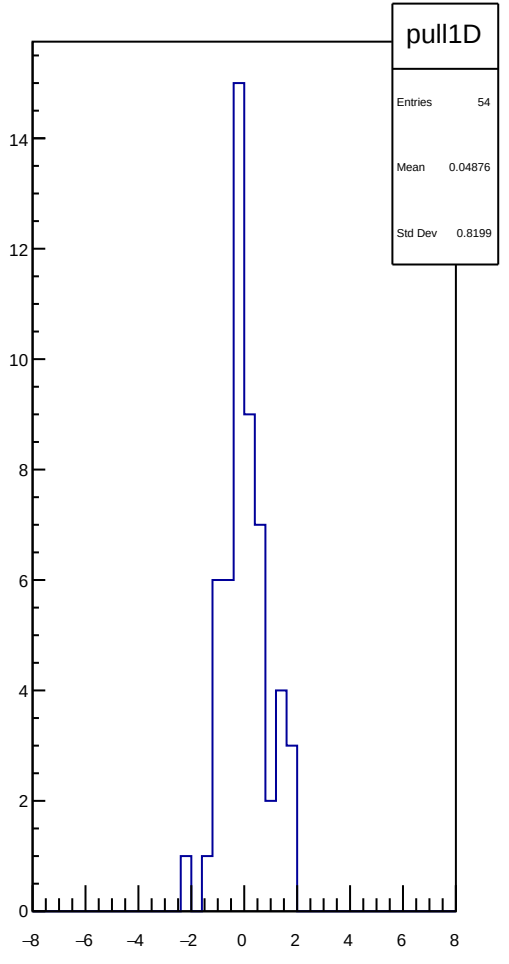

diff_bpm4eX_rms vs run
χ² / ndf 2.88e+04 / 53
p0 2.502e+04 ± 24.61
34000
32000
30000
28000
26000
24000
22000
20000
18000

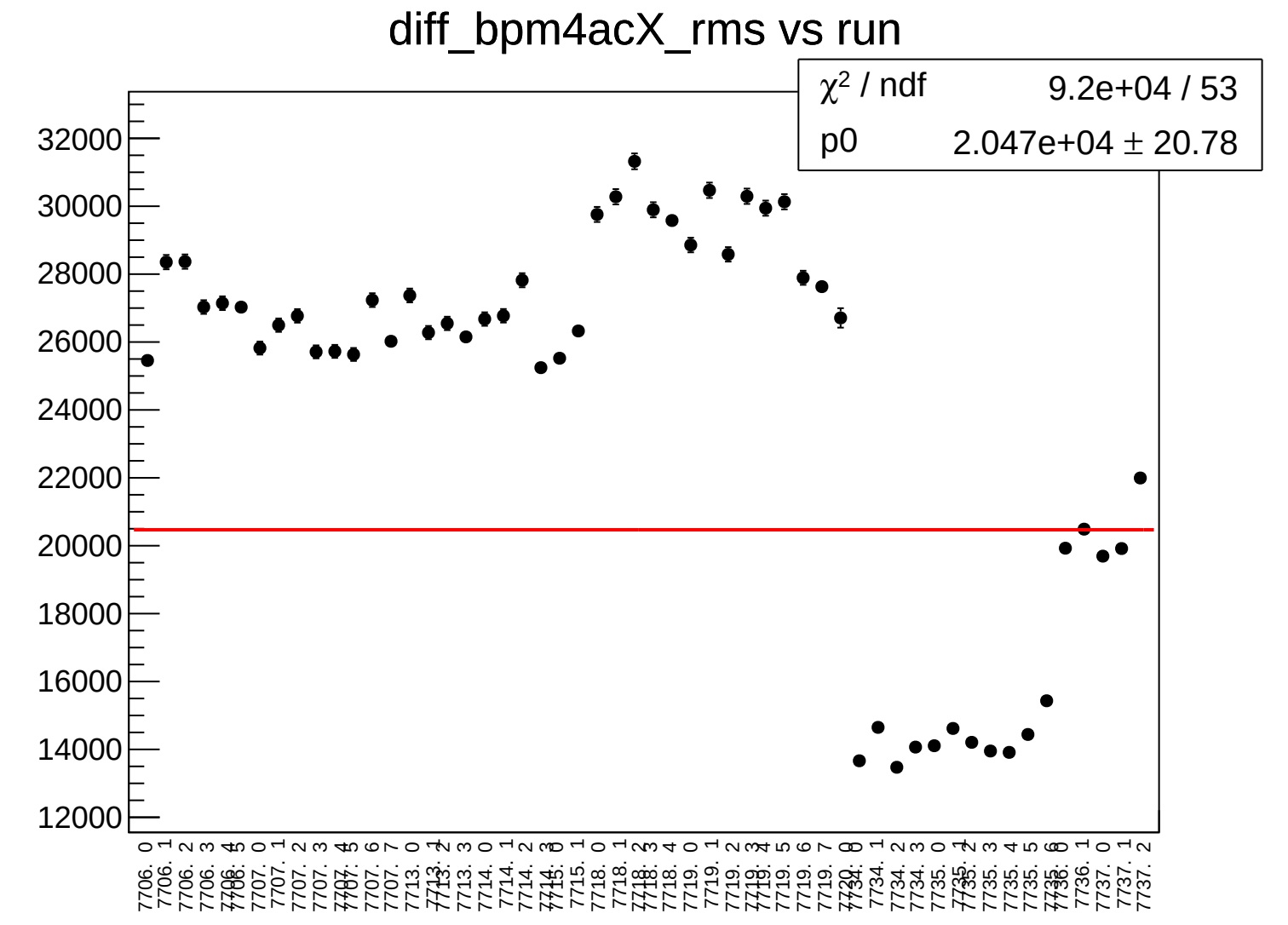

diff_bpm4eY_mean vs run
χ² / ndf 53.43 / 53
p0 −3.398 ± 8.549
400
200
0
−200
−400
−600
pull
Entries 54
Mean 68.86
Std Dev 0
2
1
0
−1
−2
−3

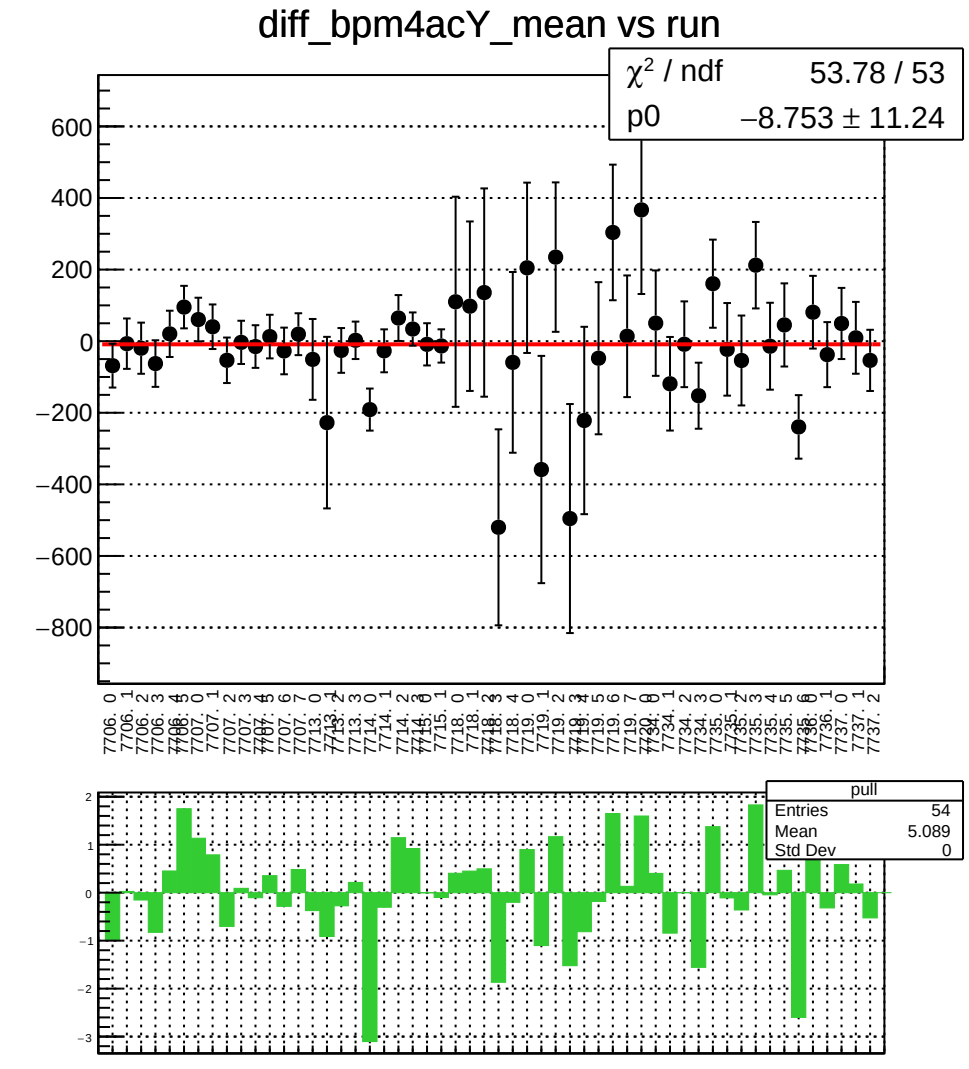

pull1D
Entries 54
Mean 0.005251
Std Dev 0.9947
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

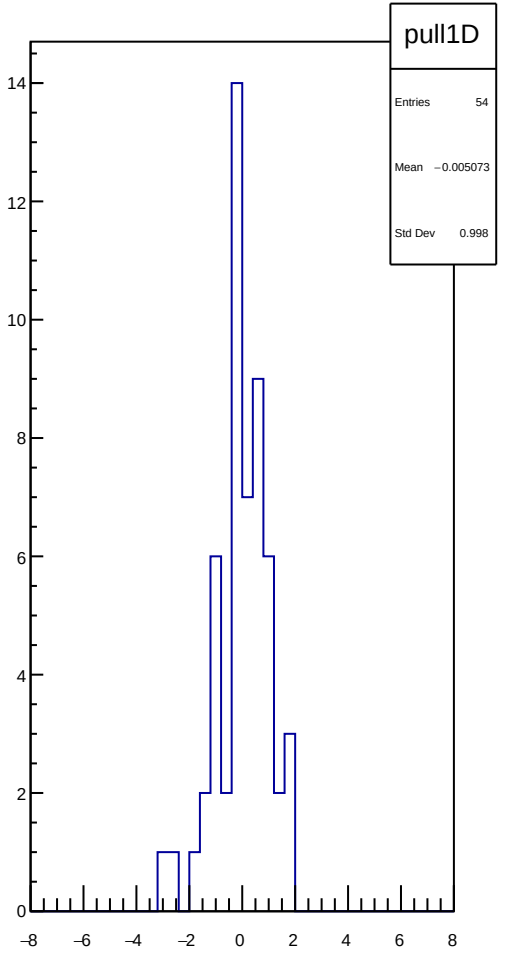

diff_bpm4eY_rms vs run
χ² / ndf 1.21e+05 / 53
p0 5864 ± 6.045
20000
18000
16000
14000
12000
10000
8000
6000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

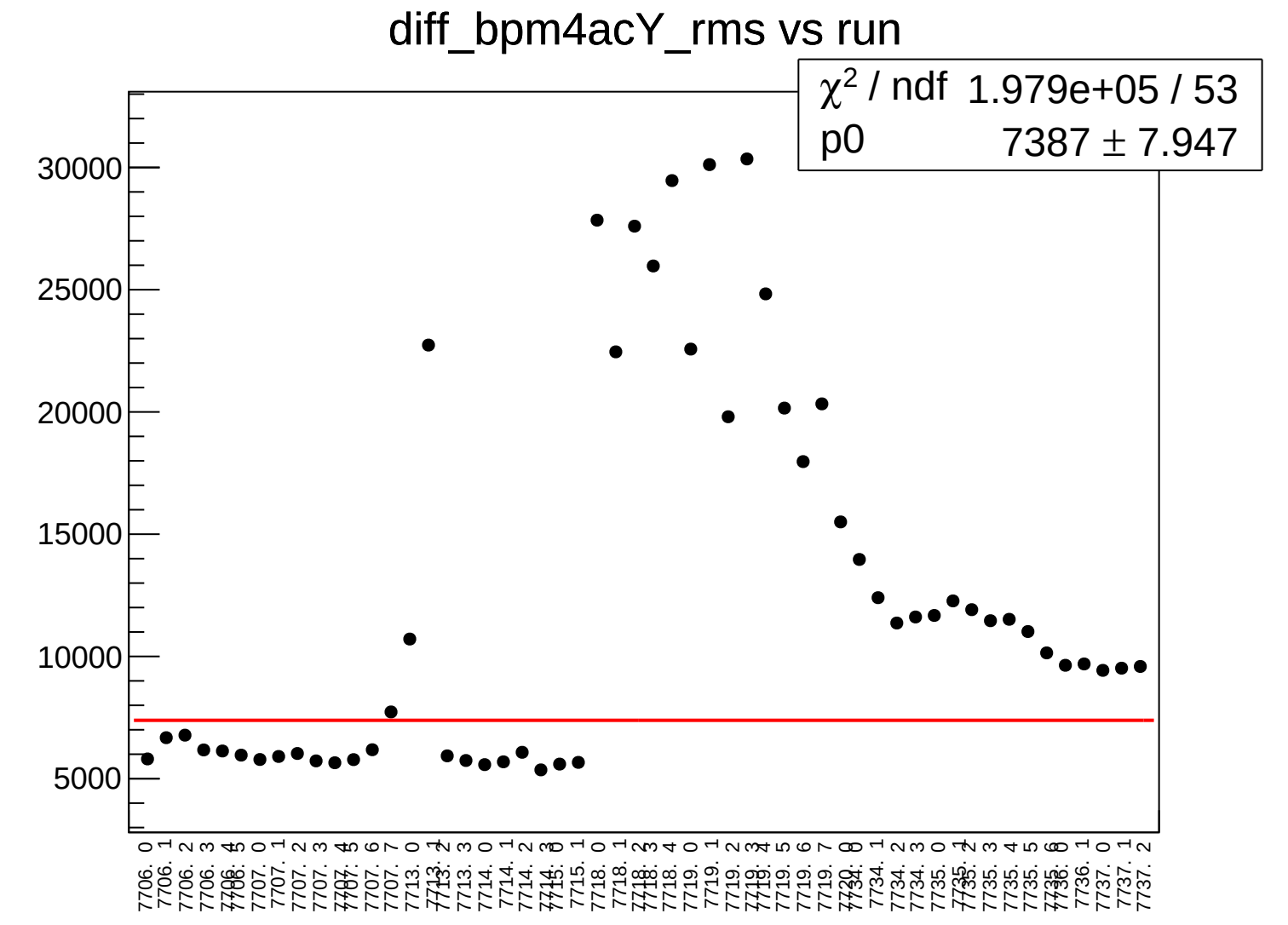

diff_bpm4acX_mean vs run
χ² / ndf 36.43 / 53
p0 −10.93 ± 29.39
1000
500
0
−500
−1000
pull
Entries 54
Mean −64.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

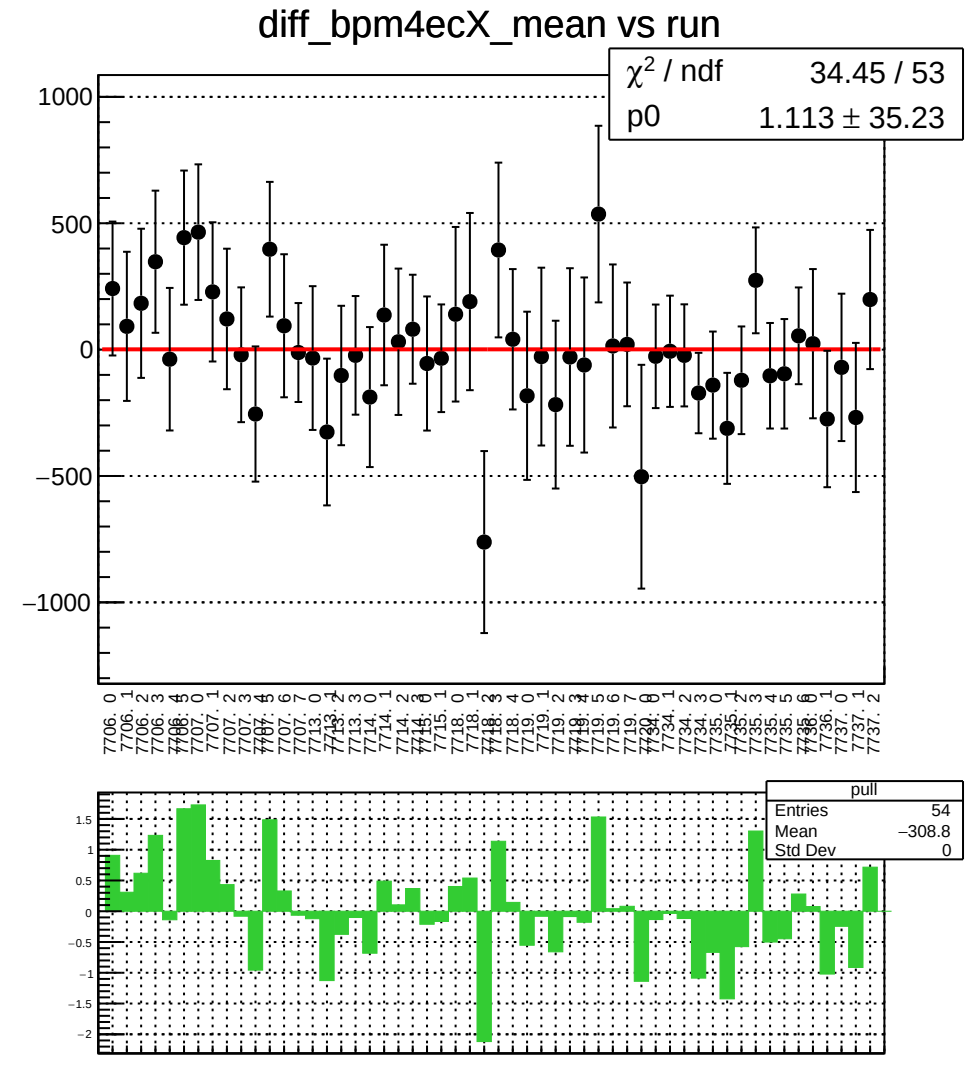

pull1D
Entries 54
Mean 0.04876
Std Dev 0.8199
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

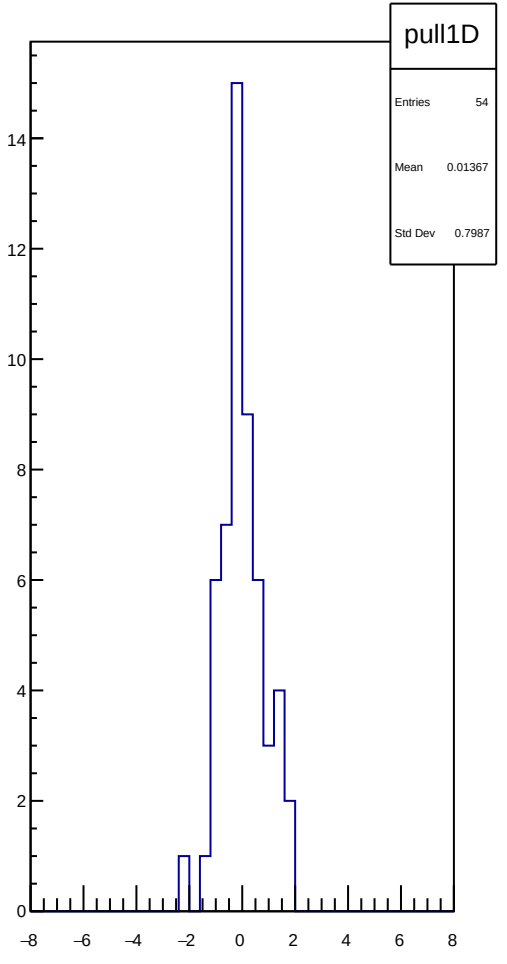

diff_bpm4acX_rms vs run
χ² / ndf 9.2e+04 / 53
p0 2.047e+04 ± 20.78
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

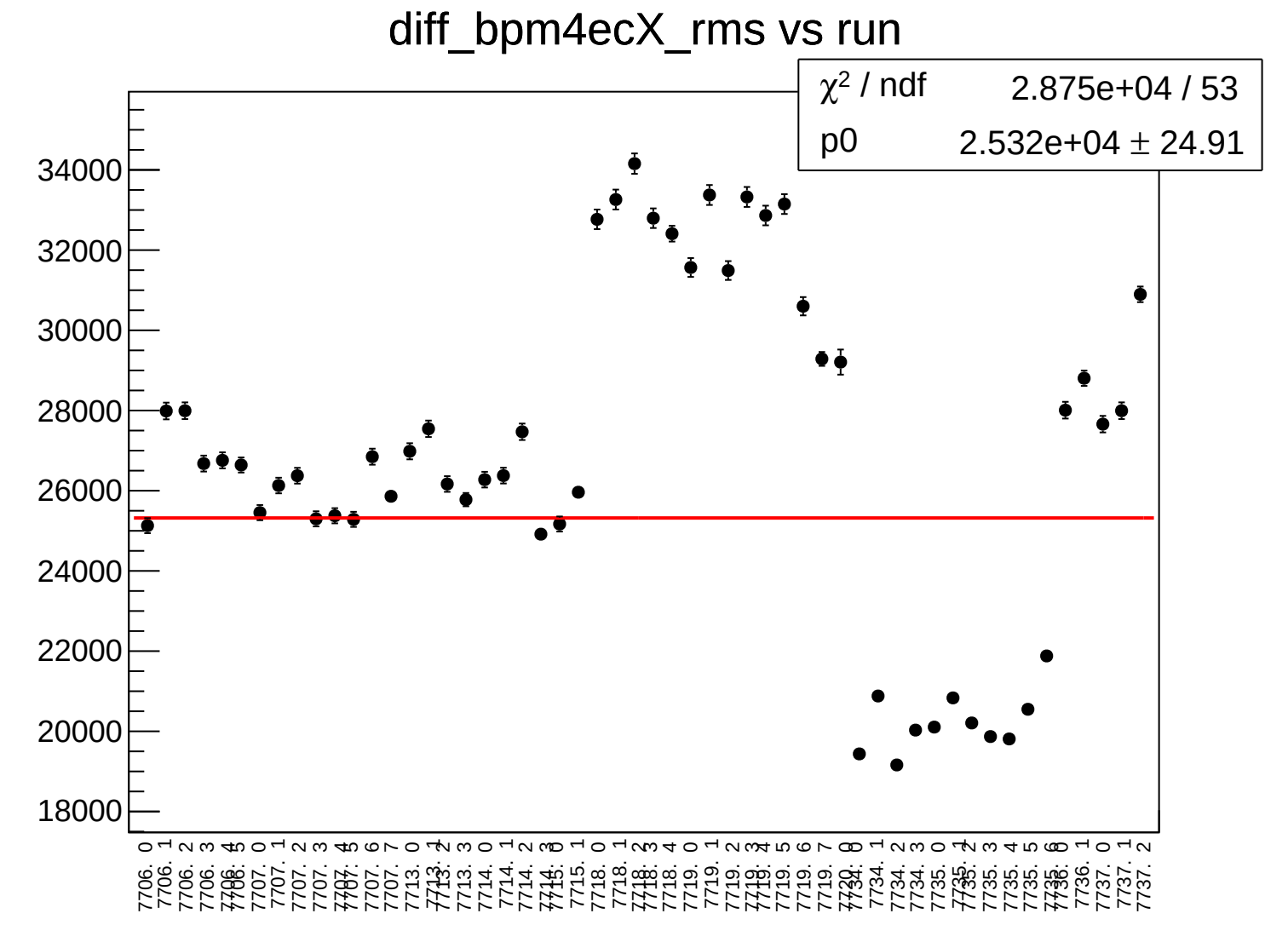

diff_bpm4acY_mean vs run
χ² / ndf 53.78 / 53
p0 −8.753 ± 11.24
pull
Entries 54
Mean 5.089
Std Dev 0

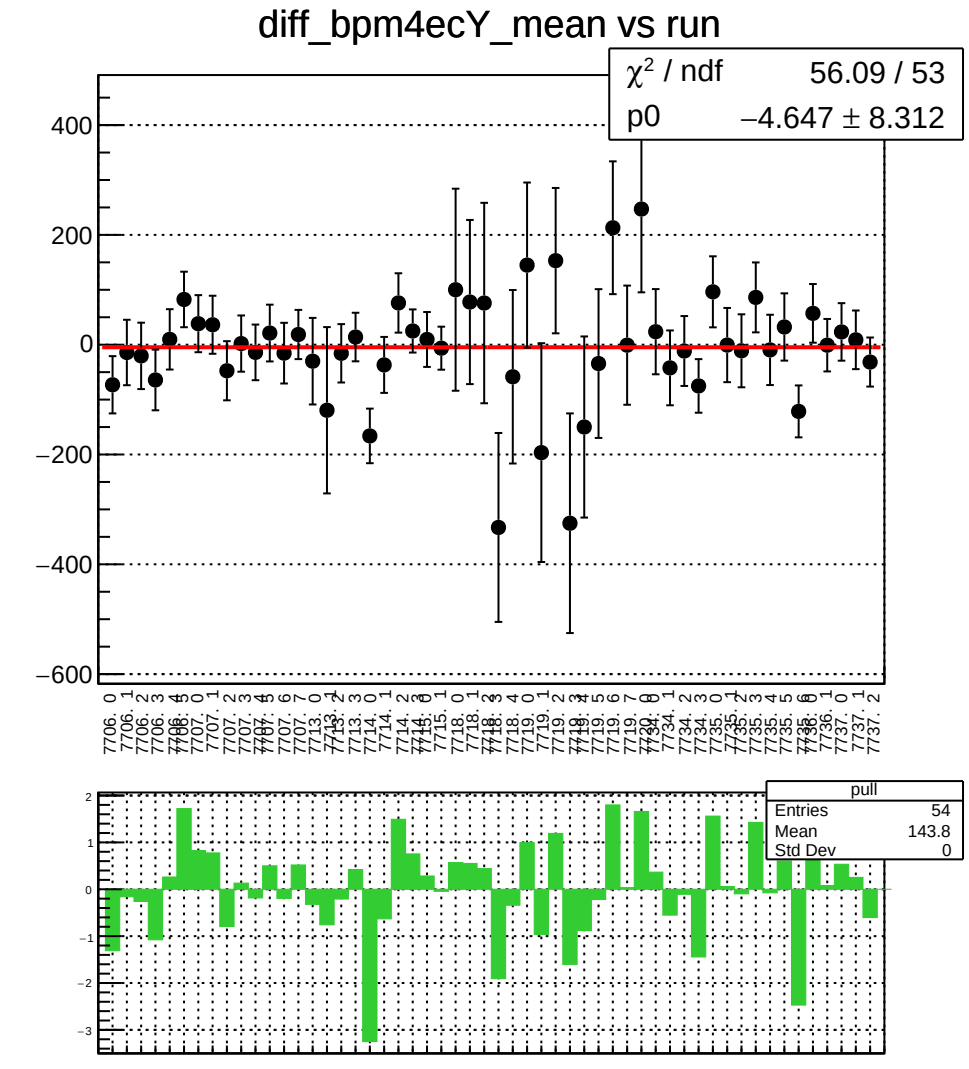

pull1D
Entries 54
Mean −0.005073
Std Dev 0.998

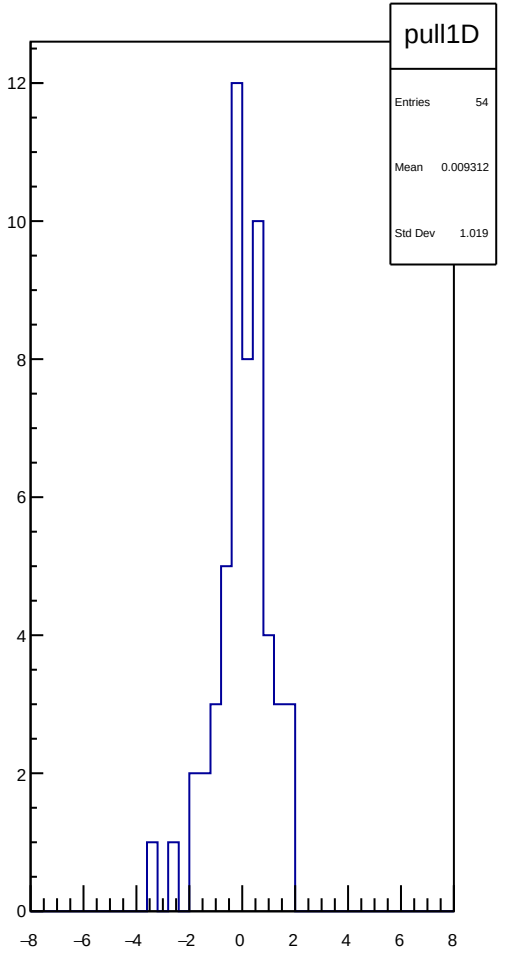

diff_bpm4acY_rms vs run
χ² / ndf 1.979e+05 / 53
p0 7387 ± 7.947
30000
25000
20000
15000
10000
5000

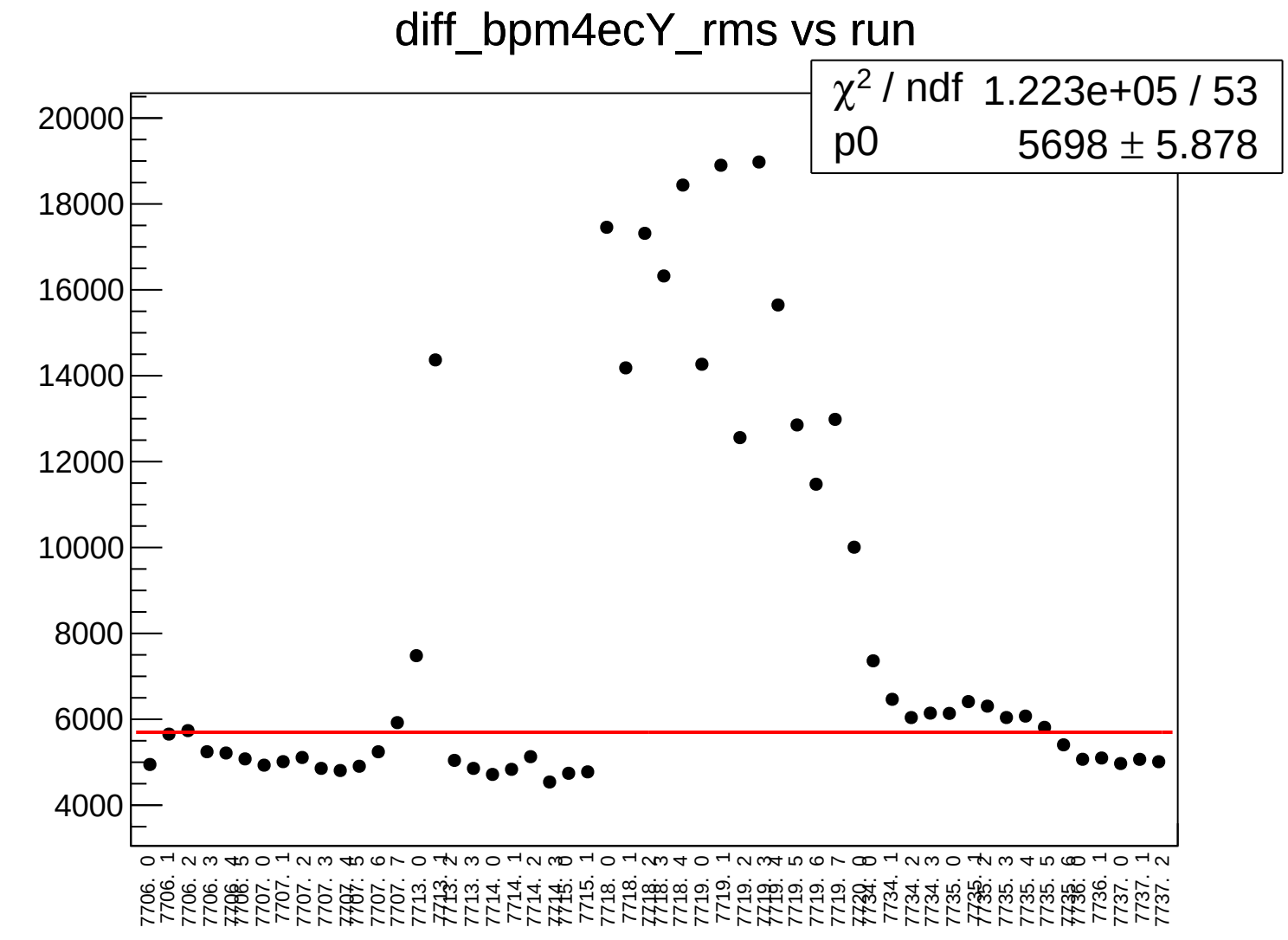

diff_bpm4ecX_mean vs run
χ² / ndf 34.45 / 53
p0 1.113 ± 35.23
1000
500
0
−500
−1000
pull
Entries 54
Mean −308.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

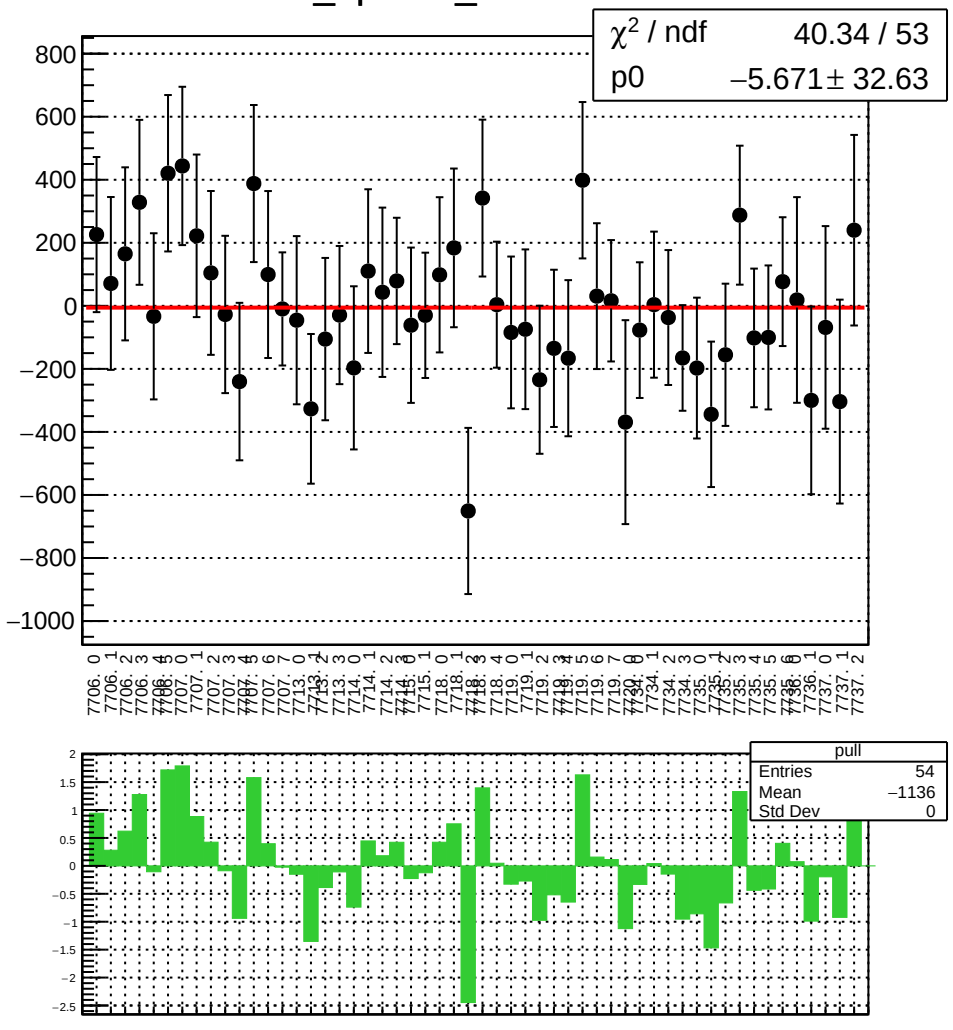

pull1D
Entries 54
Mean 0.01367
Std Dev 0.7987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

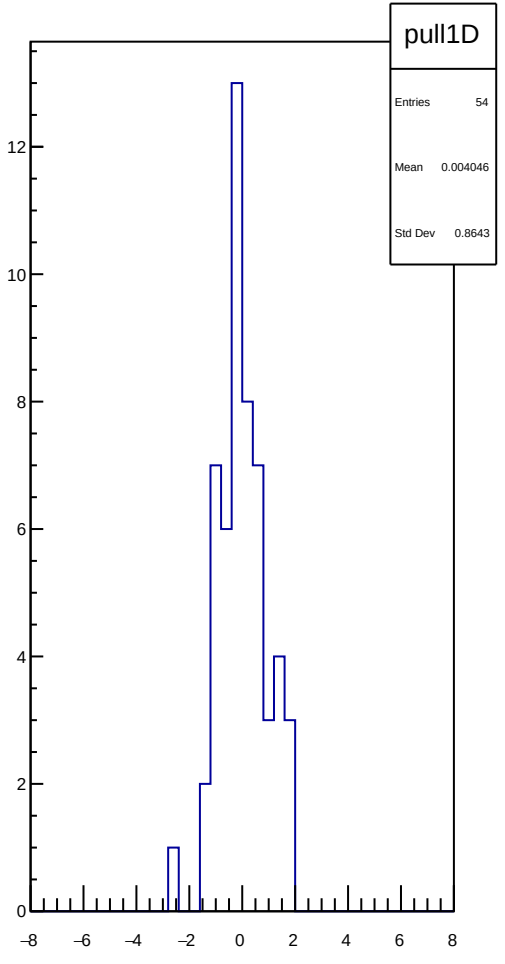

diff_bpm4ecX_rms vs run
χ² / ndf 2.875e+04 / 53
p0 2.532e+04 ± 24.91
34000
32000
30000
28000
26000
24000
22000
20000
18000

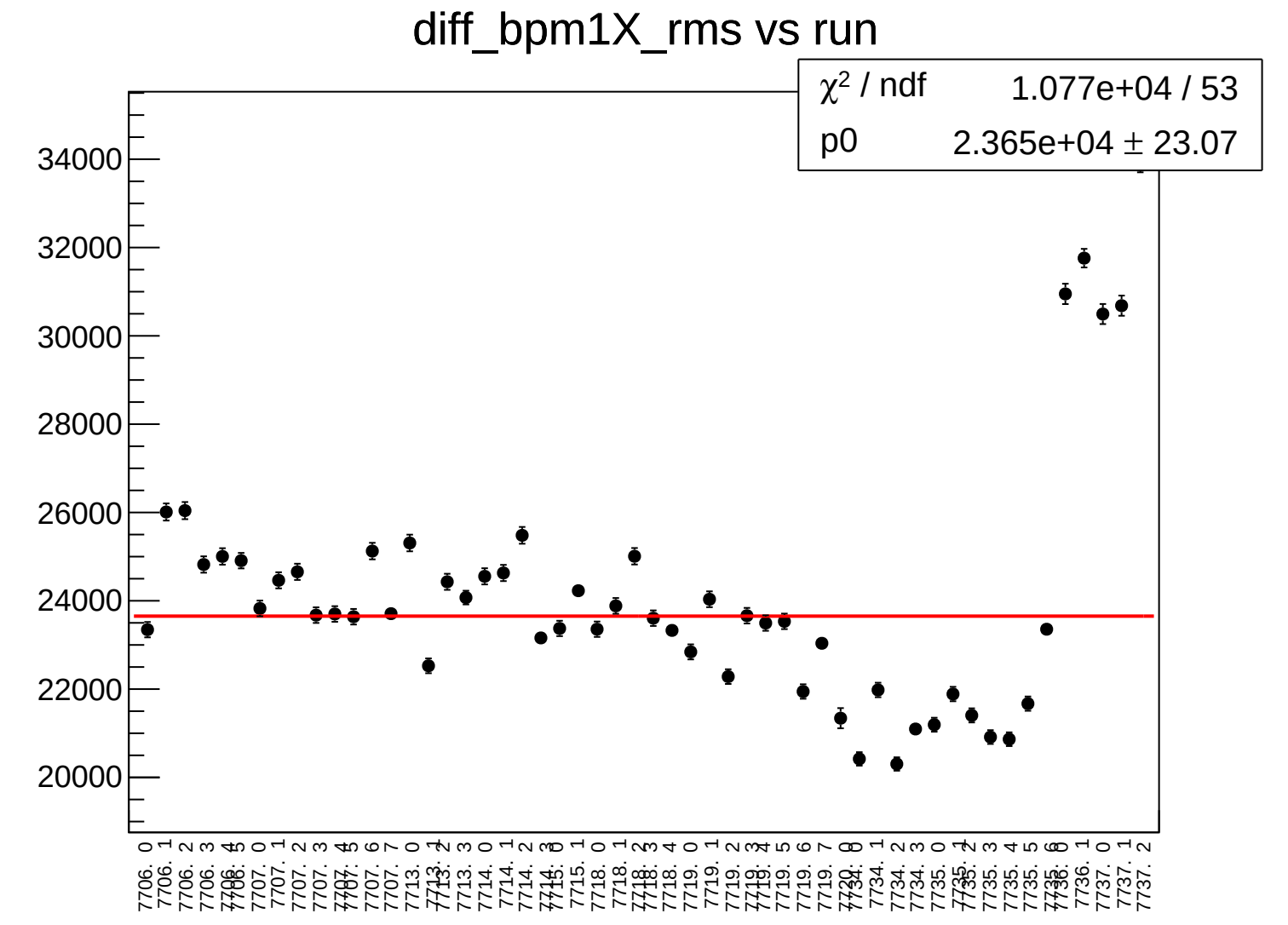

diff_bpm4ecY_mean vs run
χ² / ndf 56.09 / 53
p0 −4.647 ± 8.312
pull
Entries 54
Mean 143.8
Std Dev 0

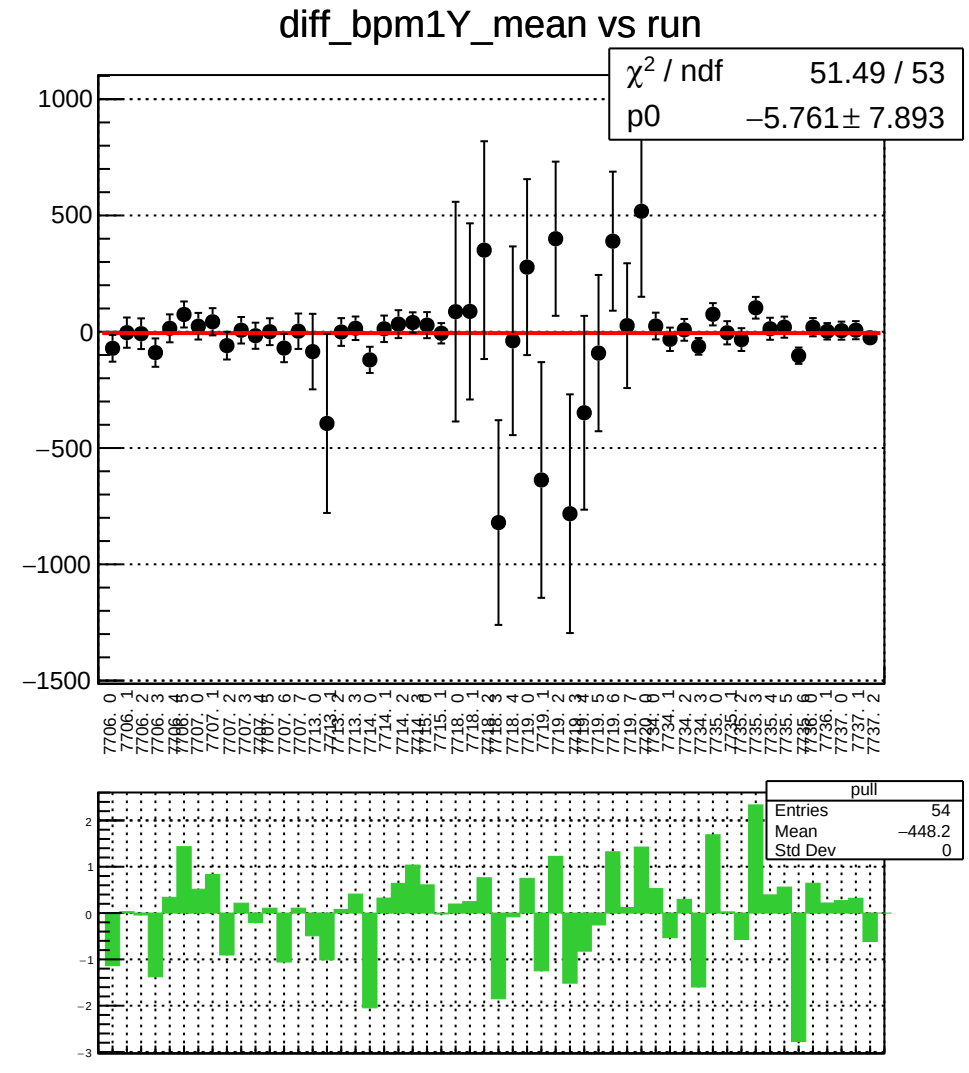

pull1D
Entries 54
Mean 0.009312
Std Dev 1.019

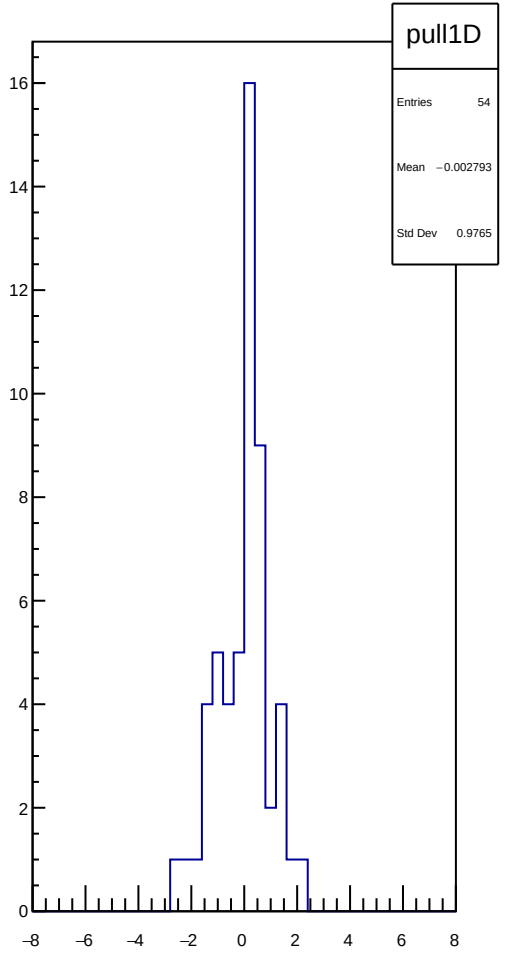

diff_bpm4ecY_rms vs run
χ² / ndf 1.223e+05 / 53
p0 5698 ± 5.878
20000
18000
16000
14000
12000
10000
8000
6000
4000

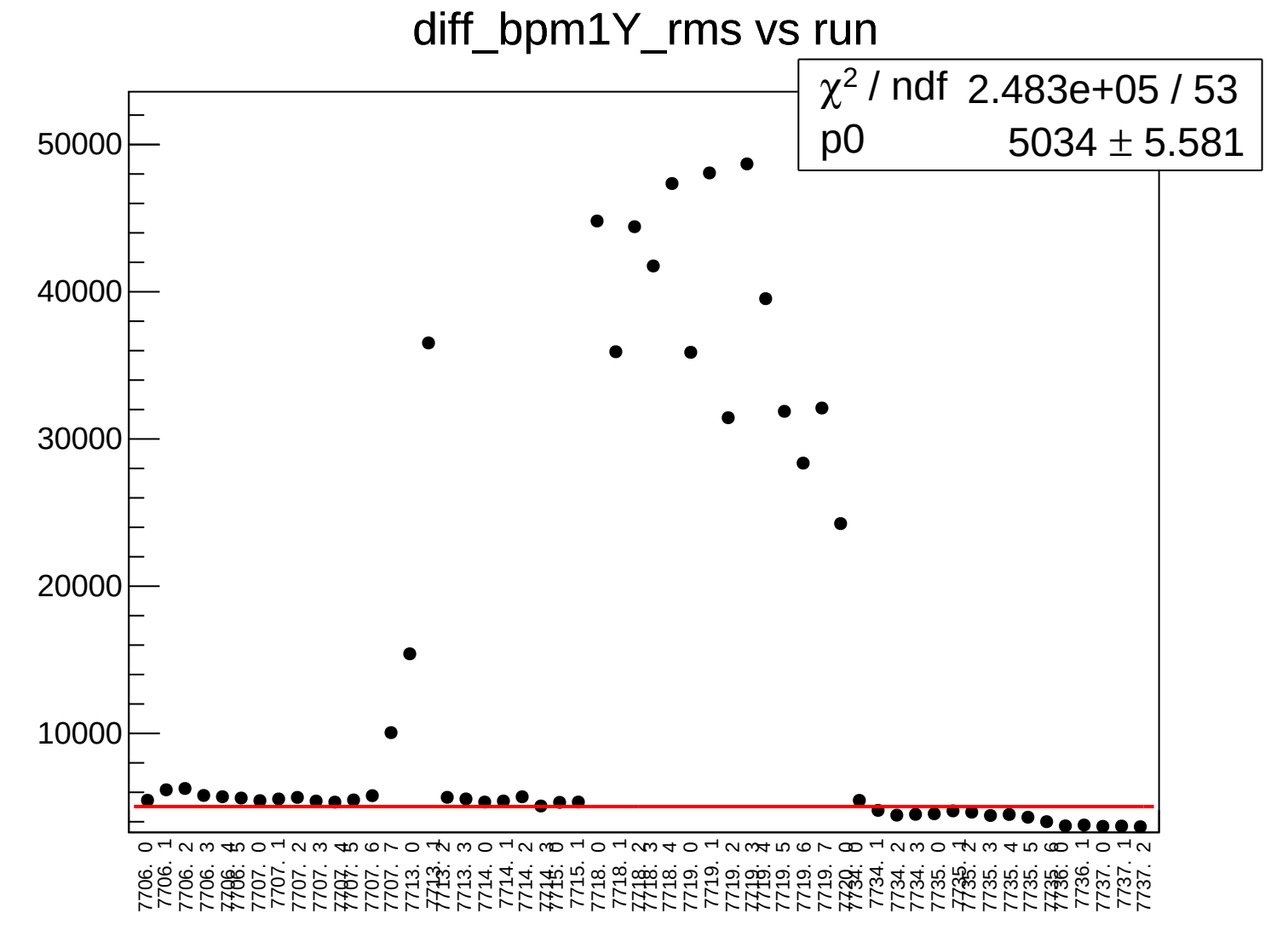

diff_bpm1X_mean vs run
χ² / ndf 40.34 / 53
p0 −5.671 ± 32.63
pull
Entries 54
Mean −1136
Std Dev 0

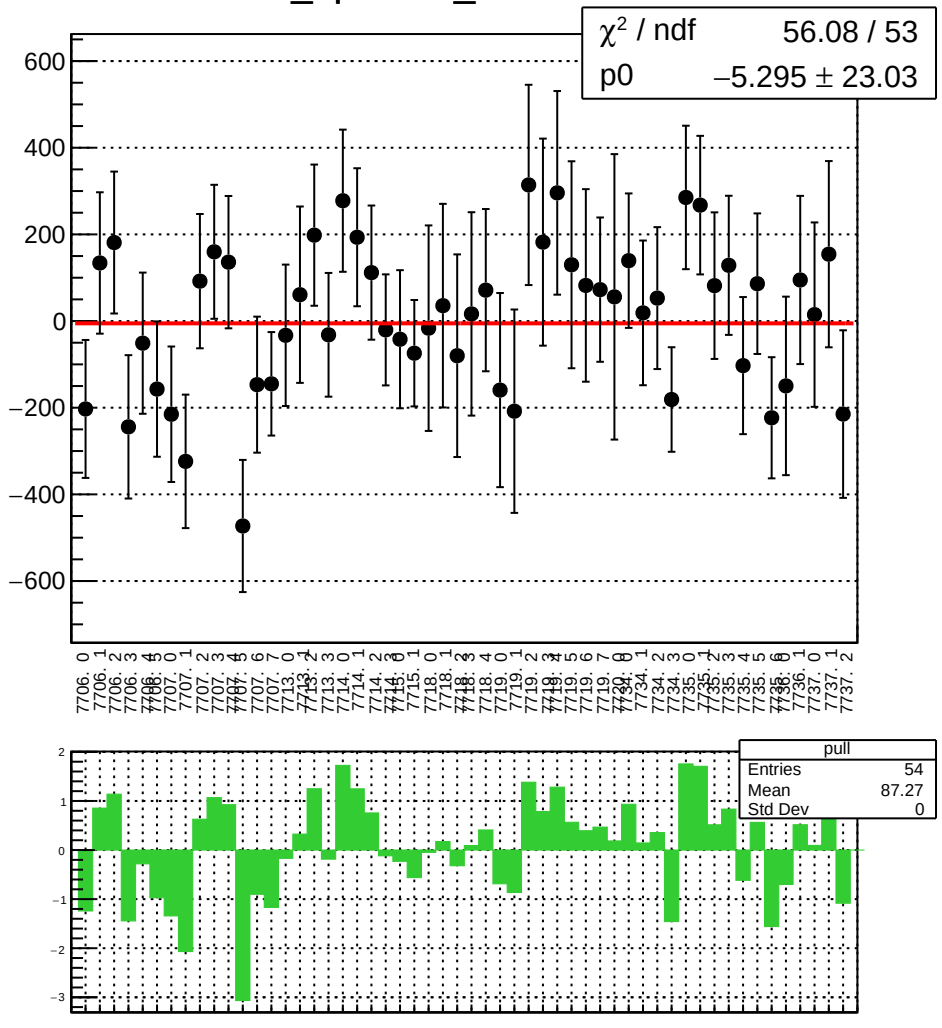

pull1D
Entries 54
Mean 0.004046
Std Dev 0.8643

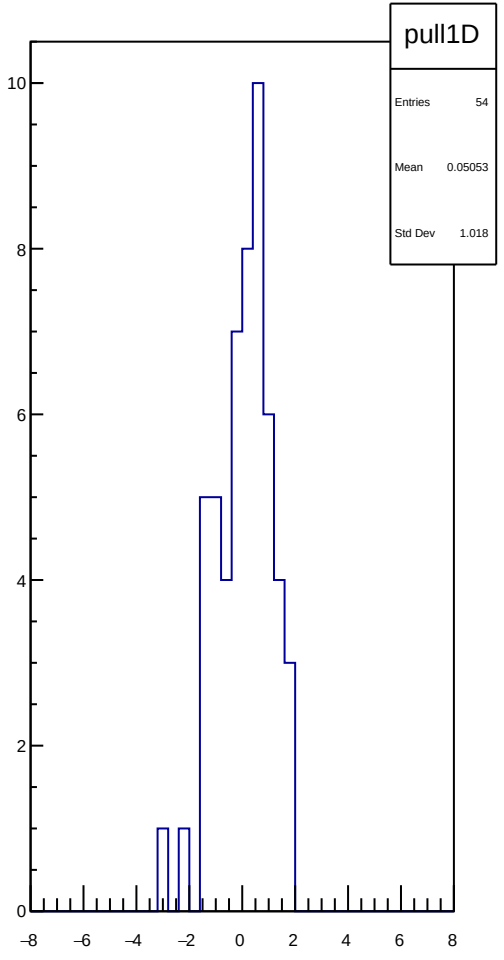

diff_bpm1X_rms vs run
χ² / ndf 1.077e+04 / 53
p0 2.365e+04 ± 23.07
34000
32000
30000
28000
26000
24000
22000
20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

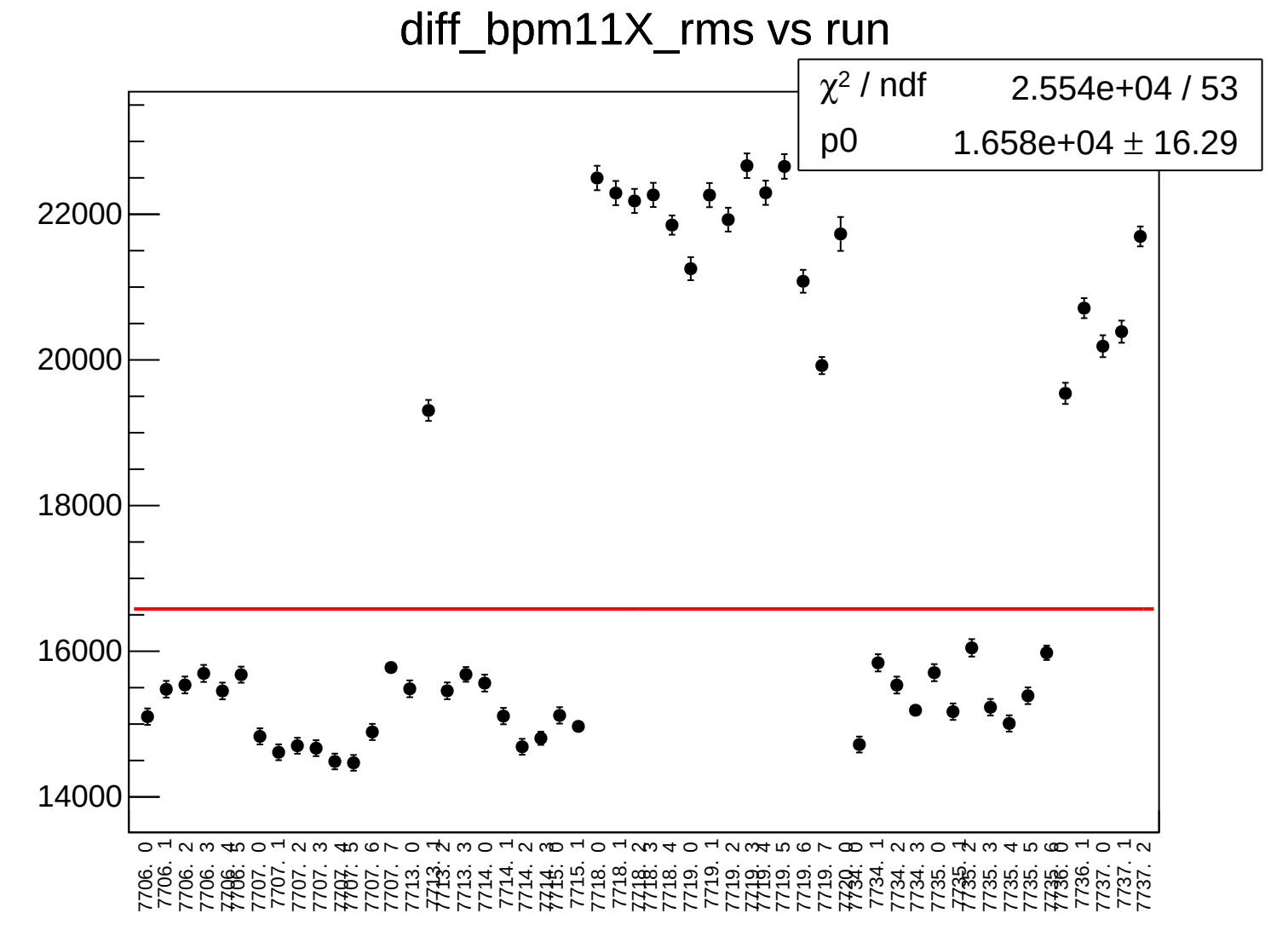

diff_bpm1Y_mean vs run
χ² / ndf 51.49 / 53
p0 −5.761 ± 7.893
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean −448.2
Std Dev 0
2
1
0
−1
−2
−3

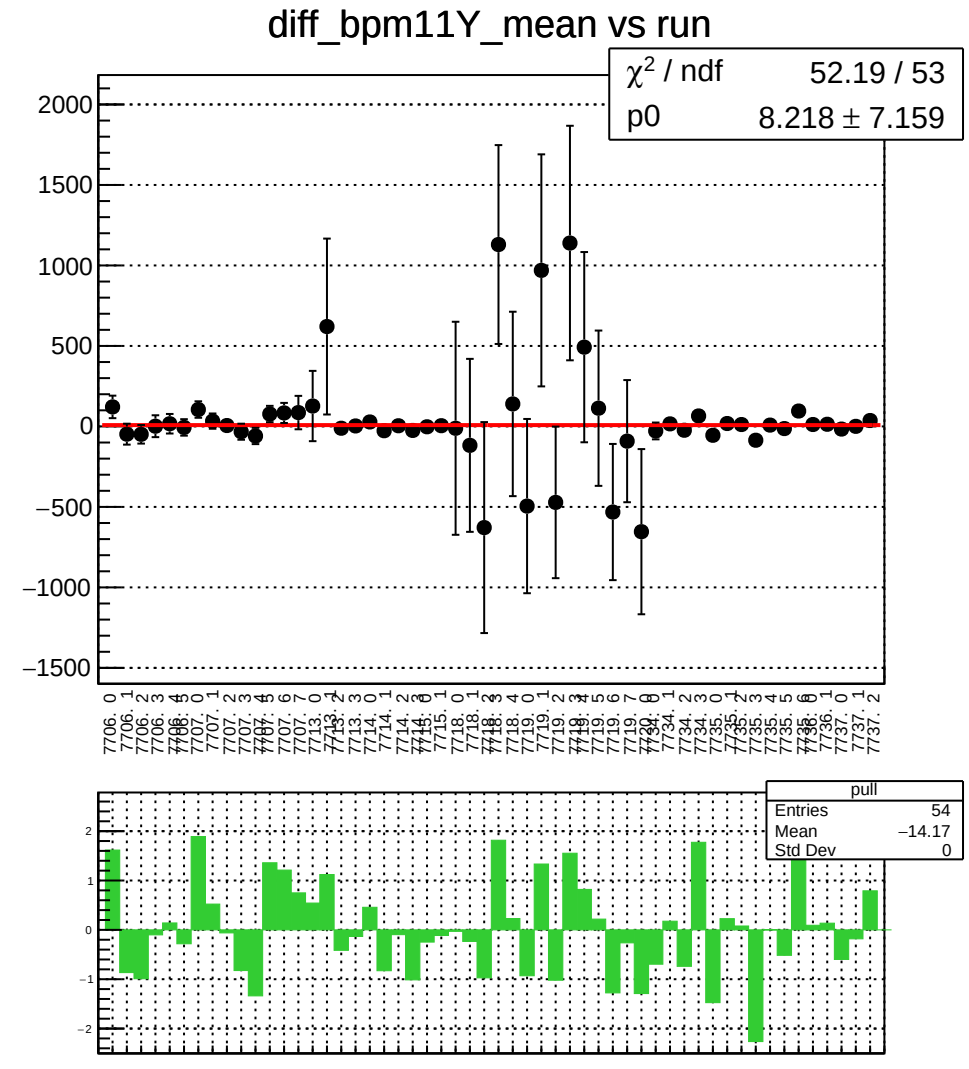

pull1D
Entries 54
Mean −0.002793
Std Dev 0.9765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

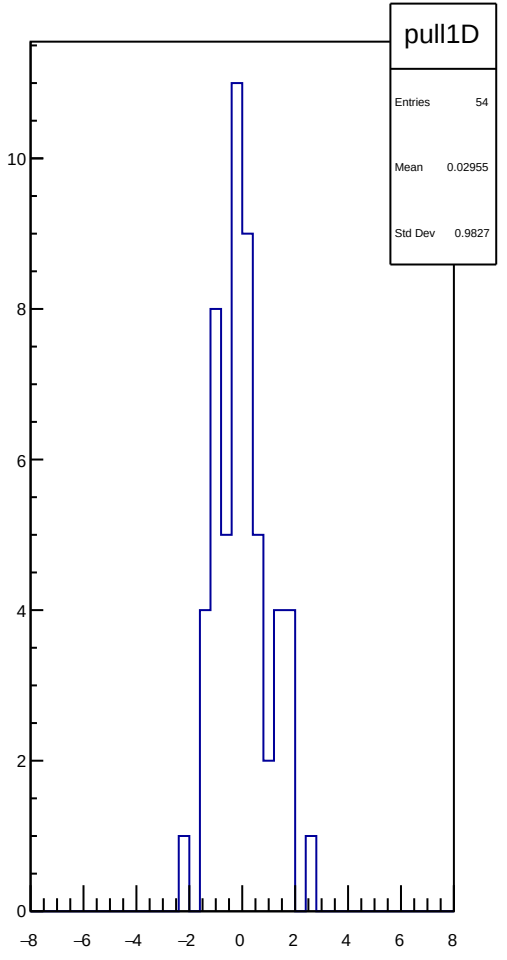

diff_bpm1Y_rms vs run
χ² / ndf 2.483e+05 / 53
p0 5034 ± 5.581
50000
40000
30000
20000
10000

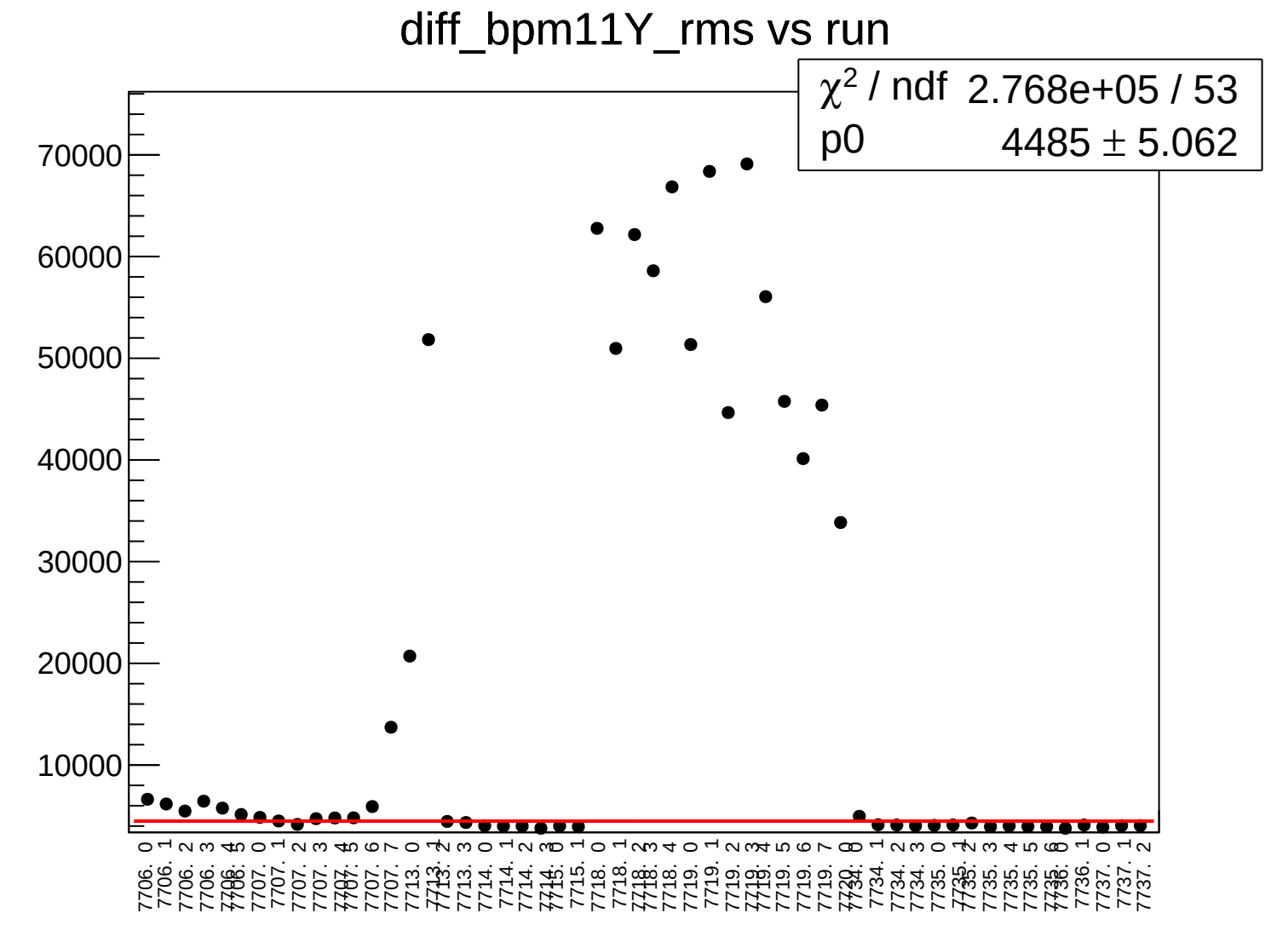

diff_bpm11X_mean vs run
χ² / ndf 56.08 / 53
p0 −5.295 ± 23.03
600
400
200
0
−200
−400
−600
pull
Entries 54
Mean 87.27
Std Dev 0
2
1
0
−1
−2
−3

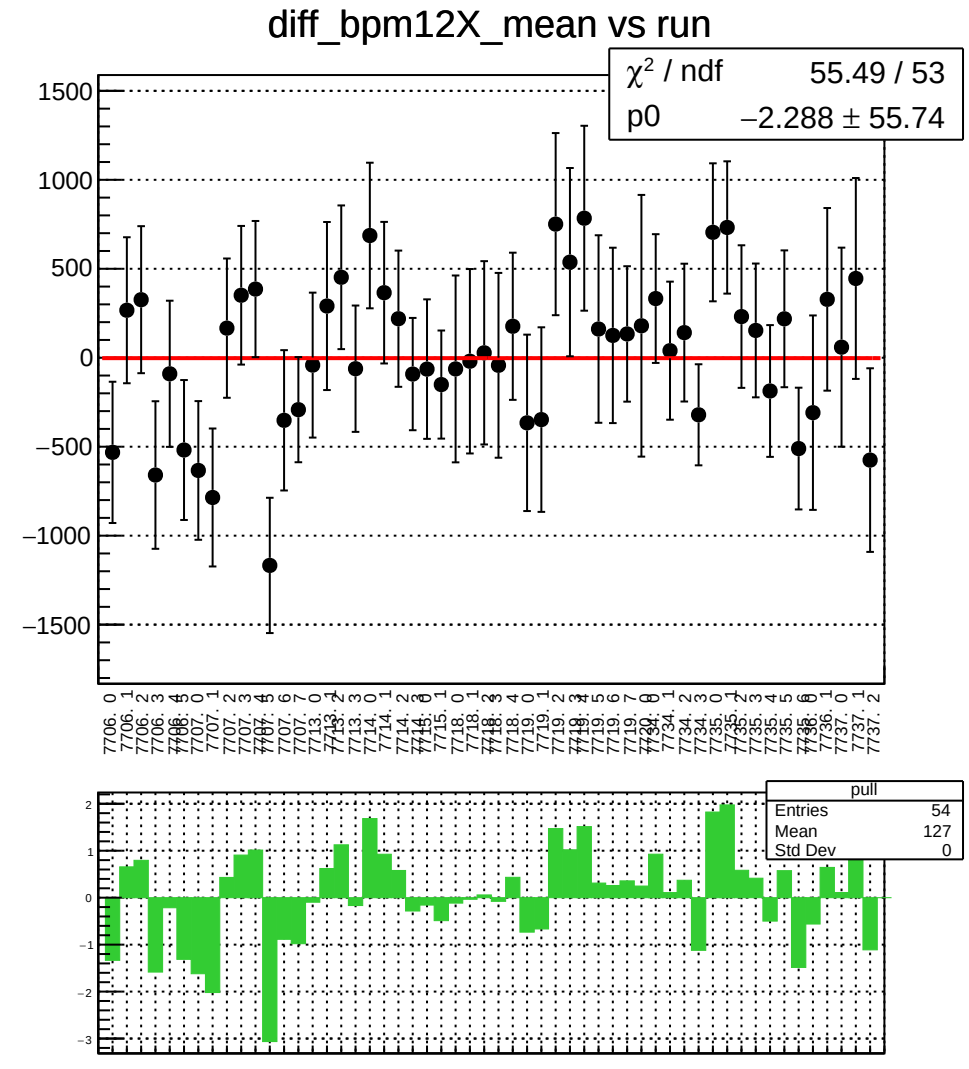

pull1D
Entries 54
Mean 0.05053
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

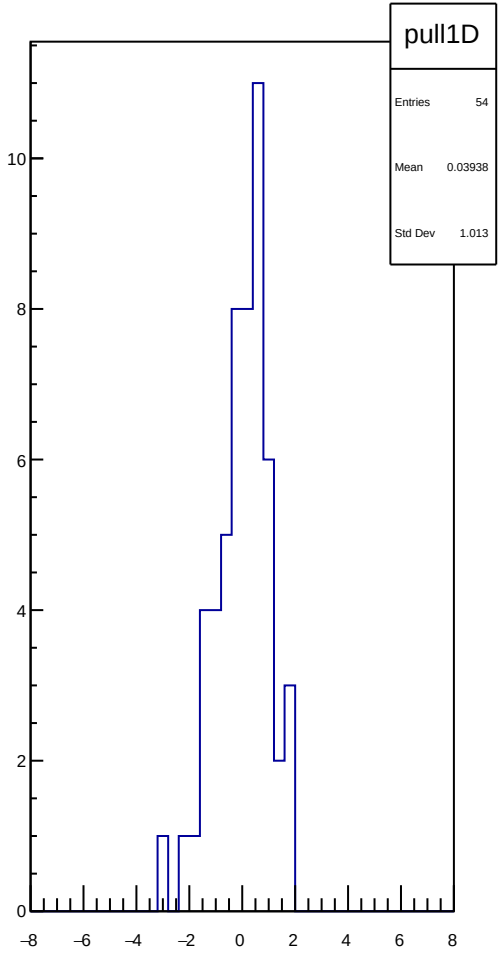

diff_bpm11X_rms vs run
χ² / ndf 2.554e+04 / 53
p0 1.658e+04 ± 16.29
22000
20000
18000
16000
14000

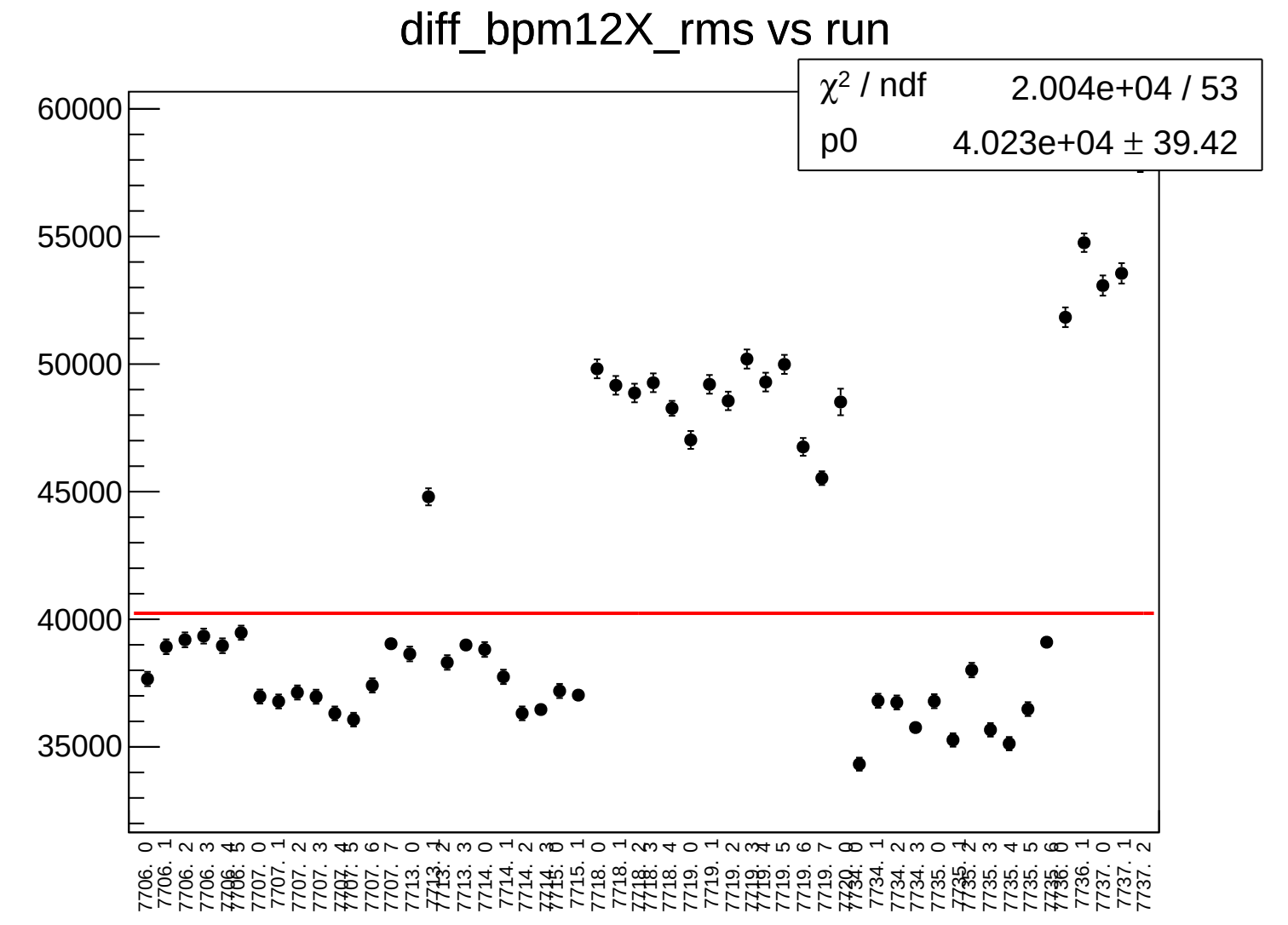

diff_bpm11Y_mean vs run
χ² / ndf 52.19 / 53
p0 8.218 ± 7.159
pull
Entries 54
Mean −14.17
Std Dev 0

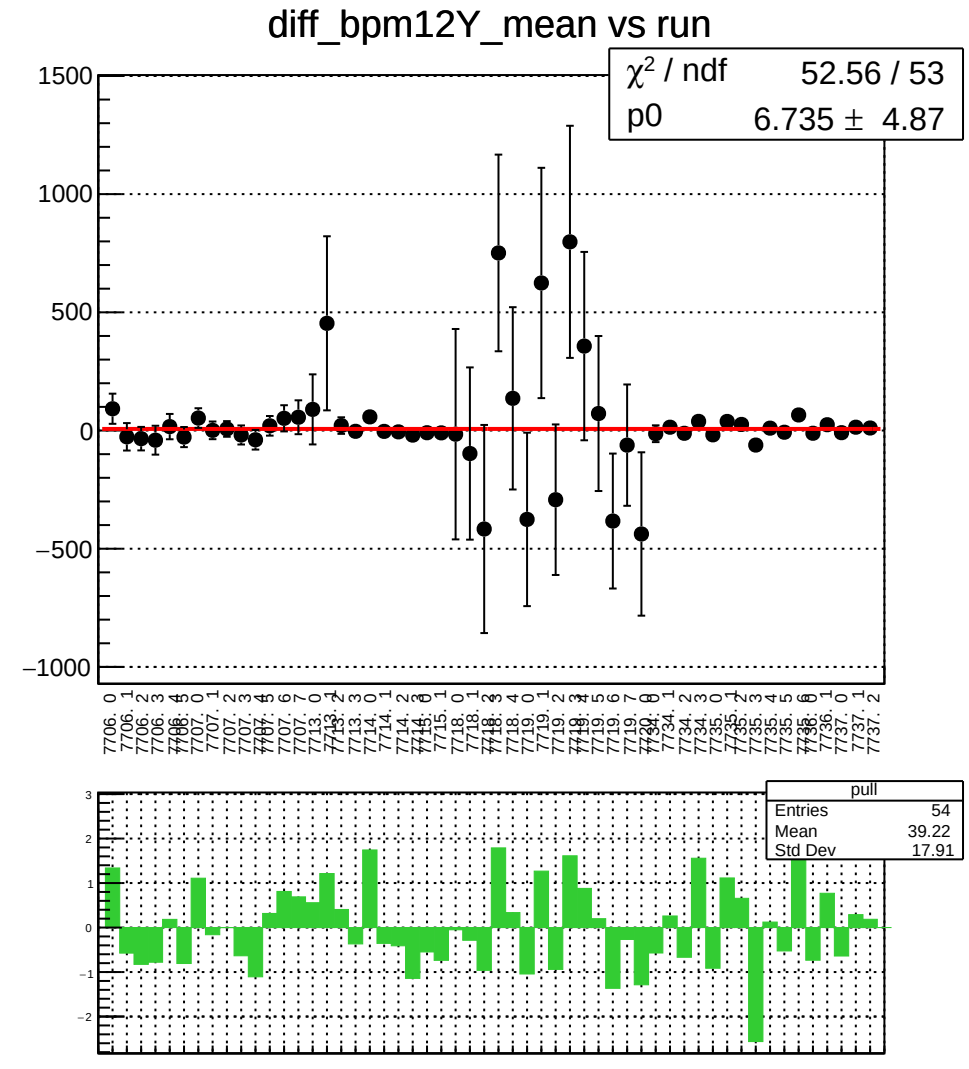

pull1D
Entries 54
Mean 0.02955
Std Dev 0.9827

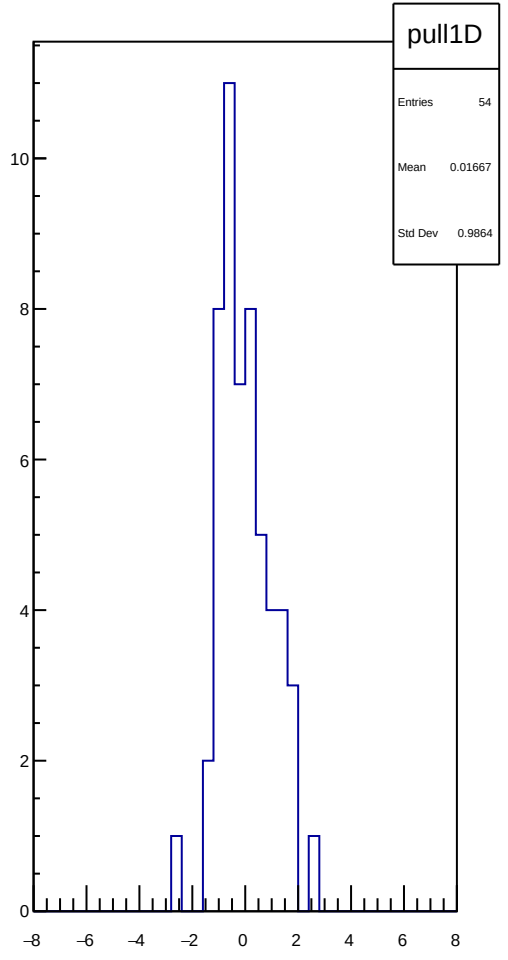

diff_bpm11Y_rms vs run
χ² / ndf 2.768e+05 / 53
p0 4485 ± 5.062
70000
60000
50000
40000
30000
20000
10000

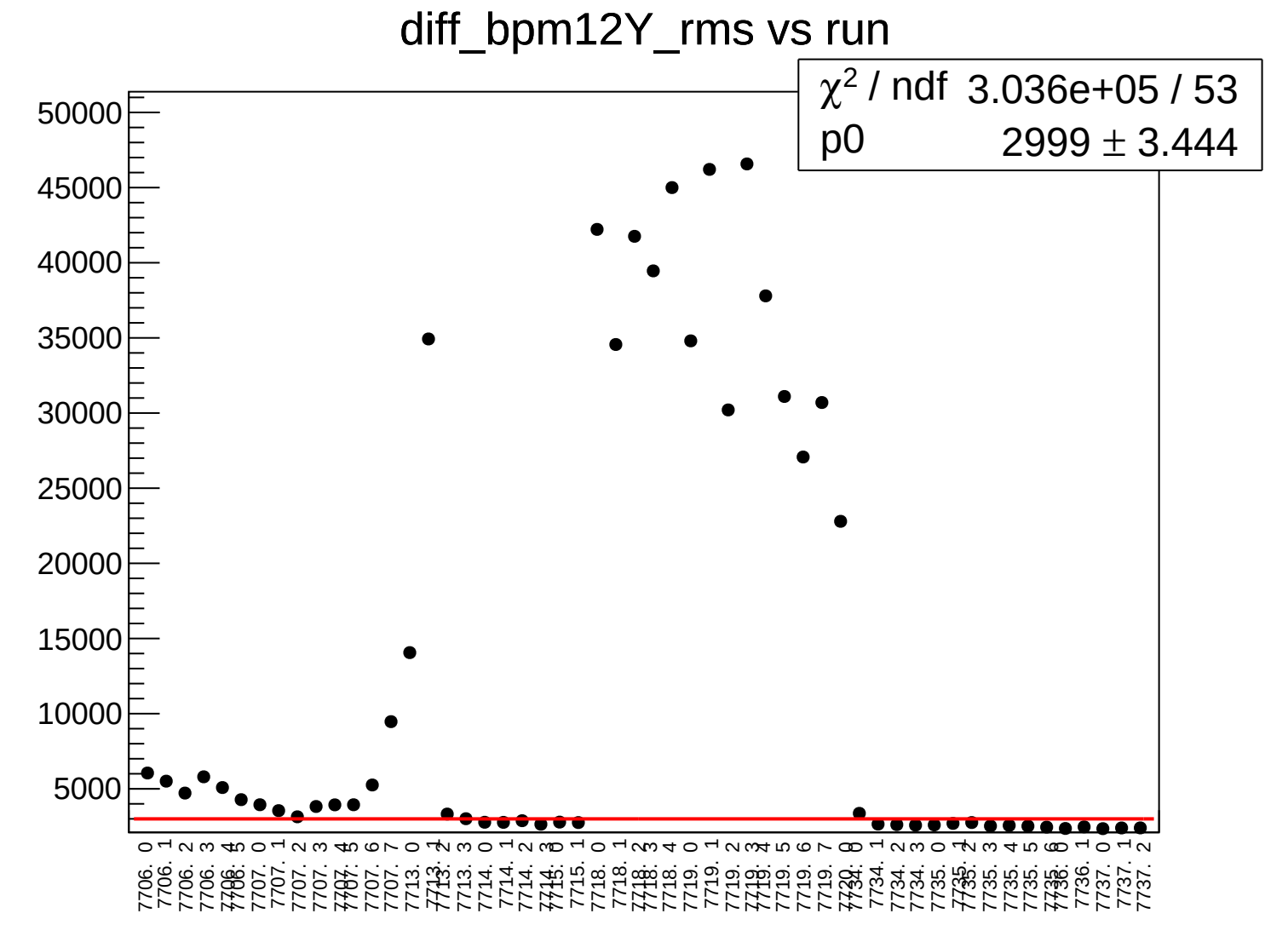

diff_bpm12X_mean vs run
χ² / ndf 55.49 / 53
p0 −2.288 ± 55.74
1500
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean 127
Std Dev 0
2
1
0
−1
−2
−3

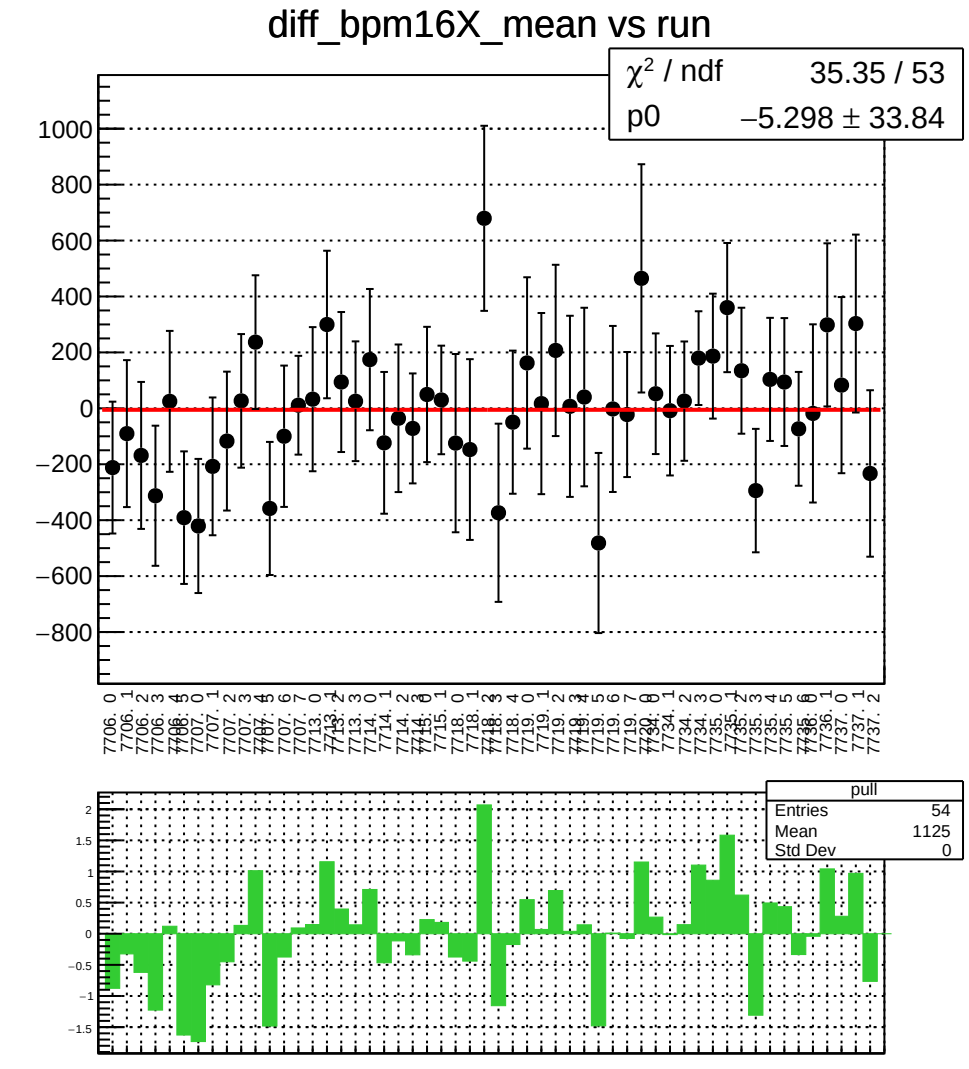

pull1D
Entries 54
Mean 0.03938
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

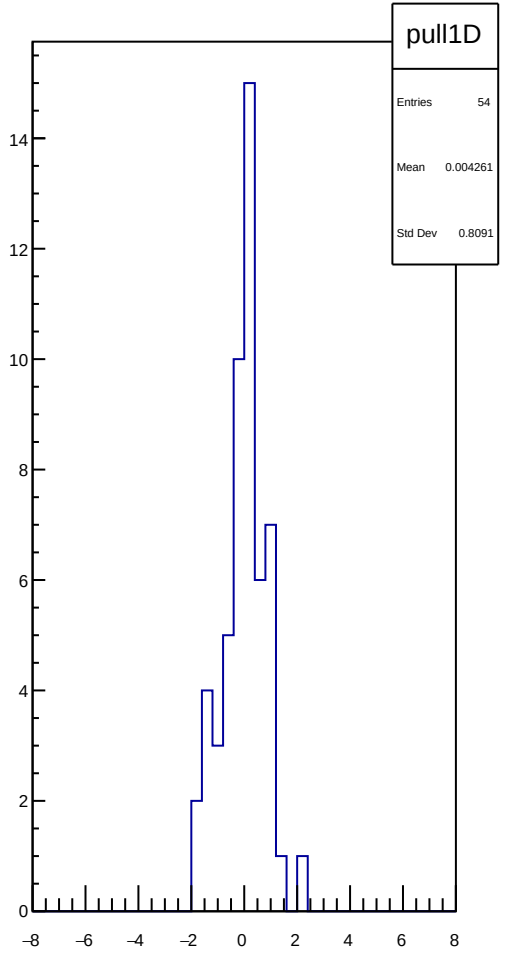

diff_bpm12X_rms vs run
χ² / ndf 2.004e+04 / 53
p0 4.023e+04 ± 39.42
60000
55000
50000
45000
40000
35000

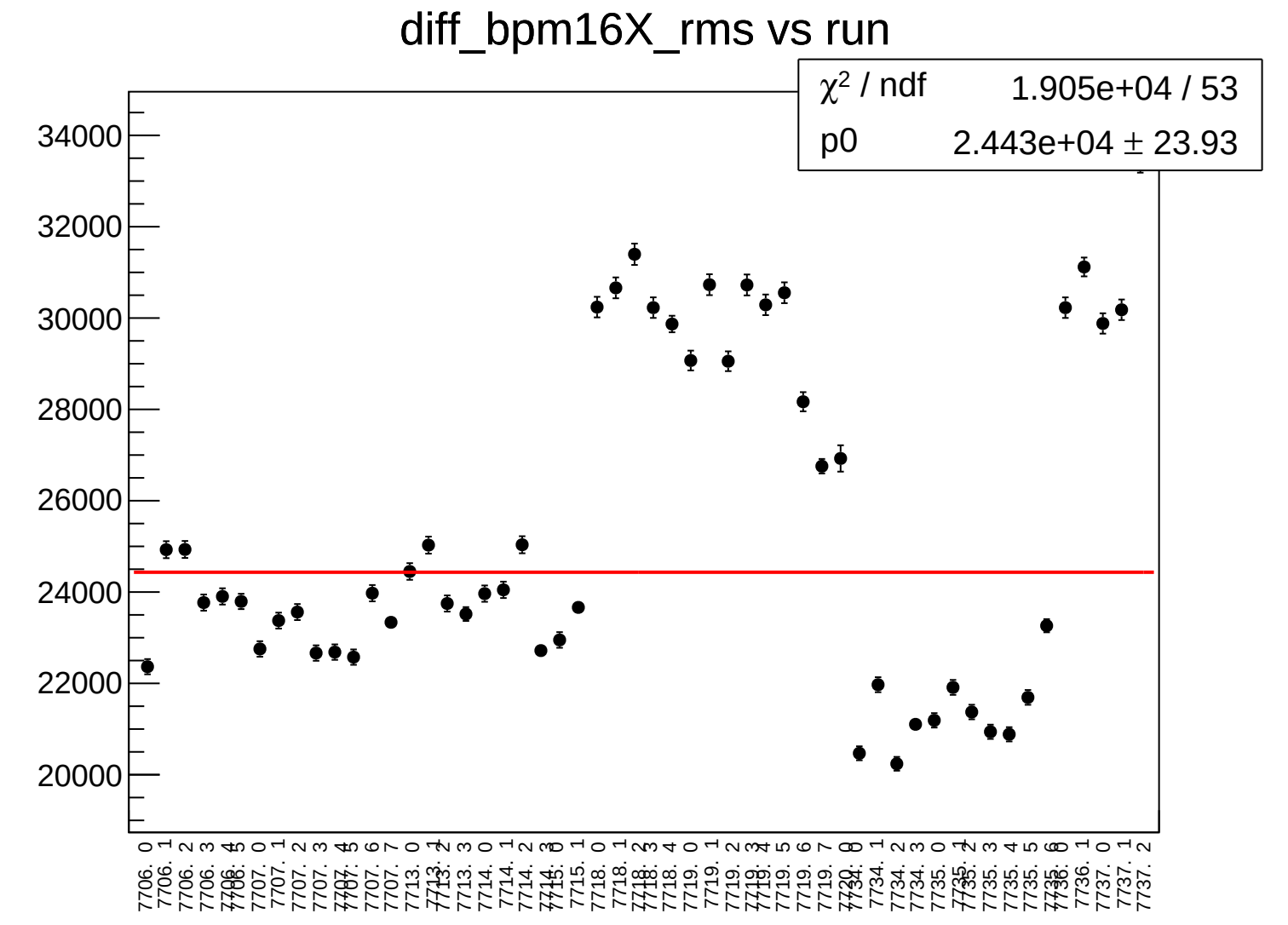

diff_bpm12Y_mean vs run
χ² / ndf 52.56 / 53
p0 6.735 ± 4.87
pull
Entries 54
Mean 39.22
Std Dev 17.91

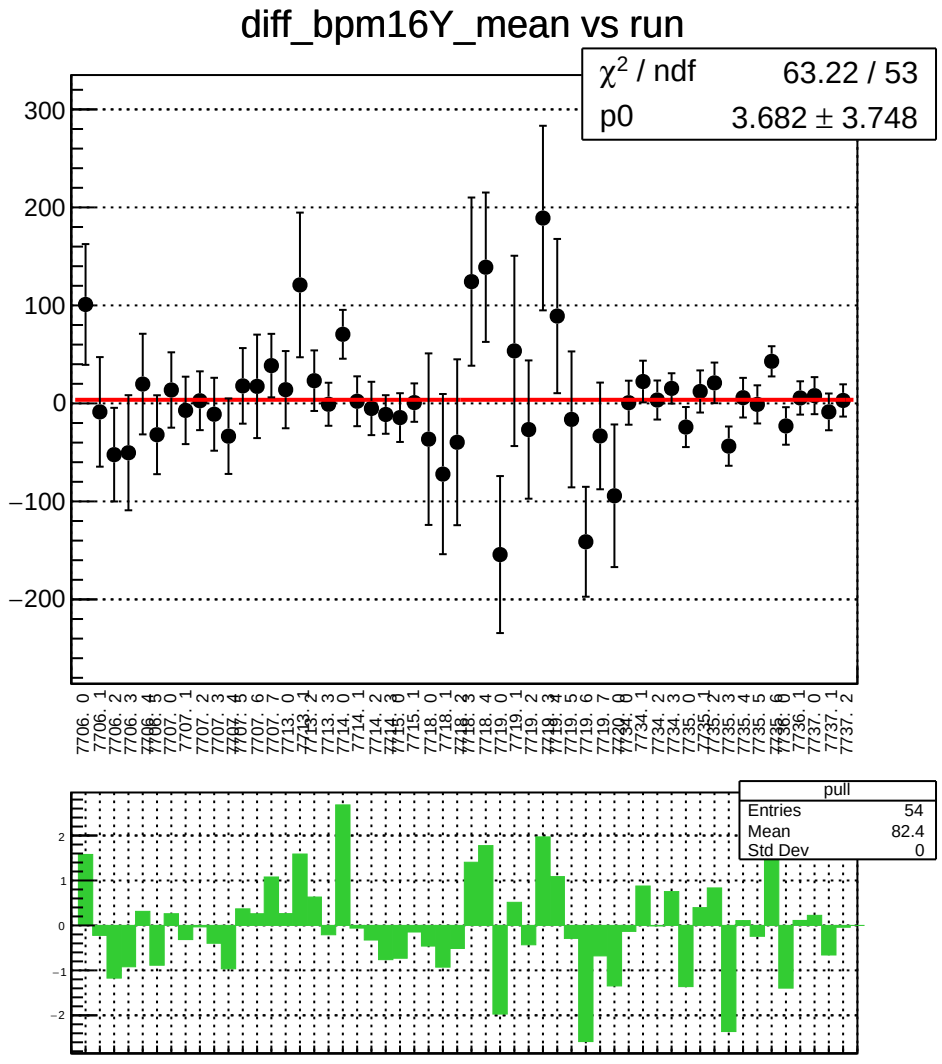

pull1D
Entries 54
Mean 0.01667
Std Dev 0.9864

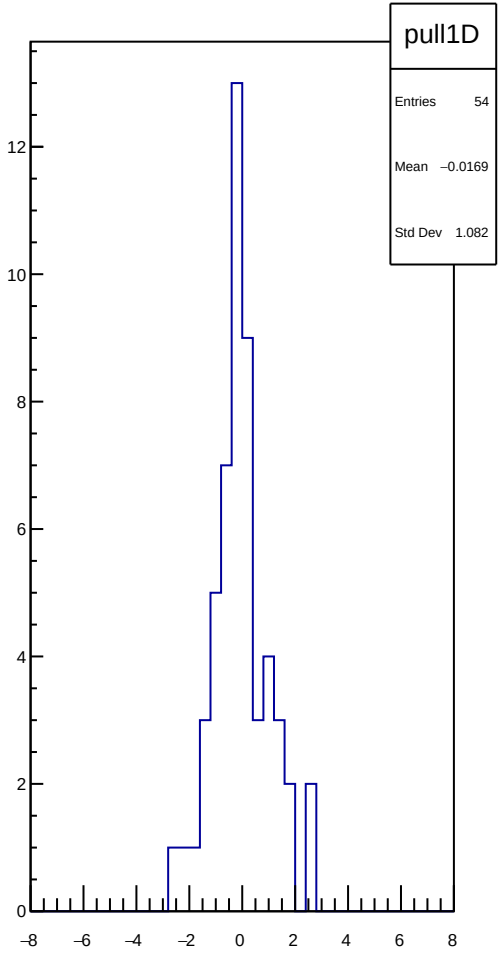

diff_bpm12Y_rms vs run
χ² / ndf 3.036e+05 / 53
p0 2999 ± 3.444
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000

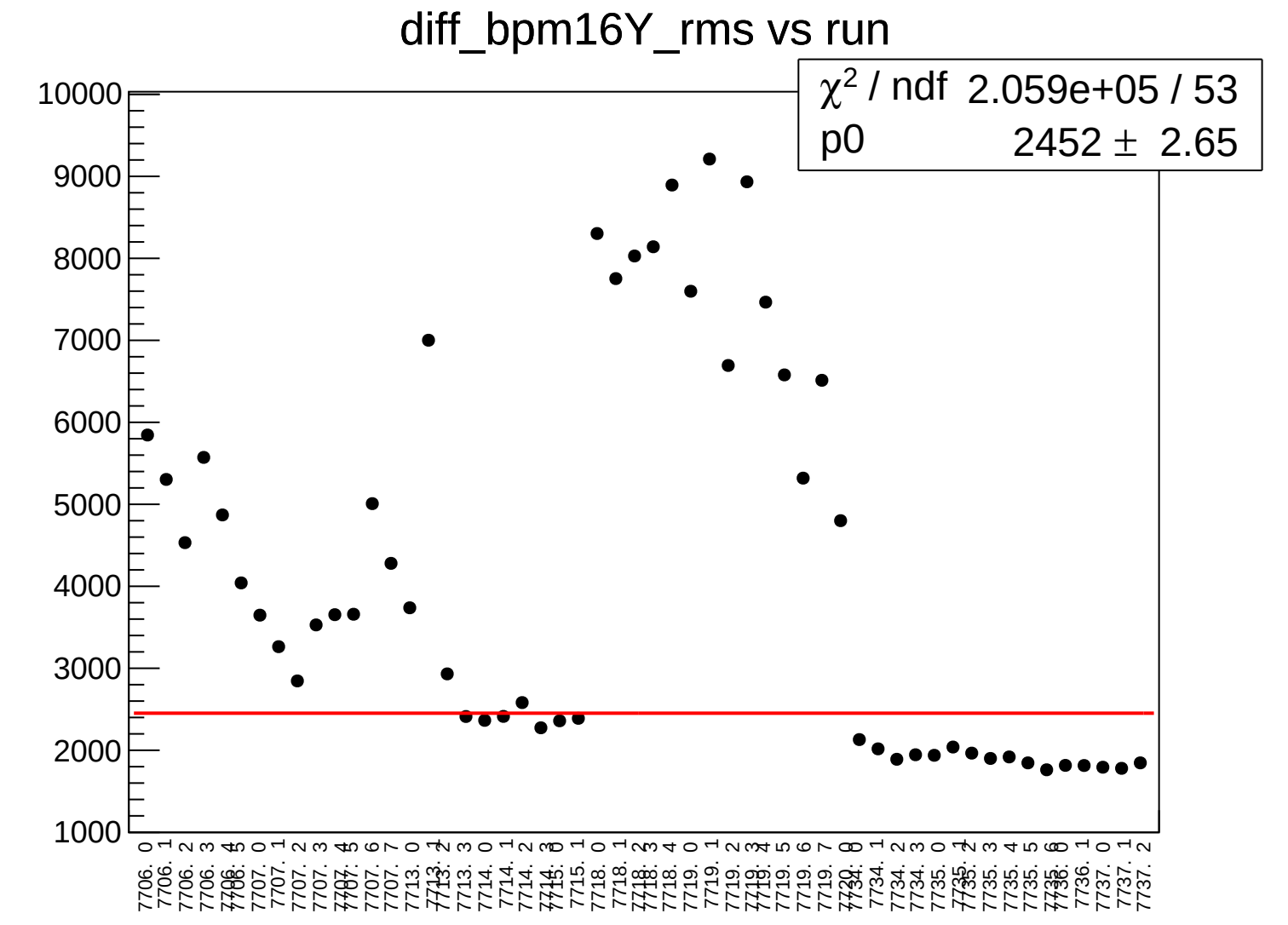

diff_bpm16X_mean vs run
χ² / ndf 35.35 / 53
p0 −5.298 ± 33.84
pull
Entries 54
Mean 1125
Std Dev 0

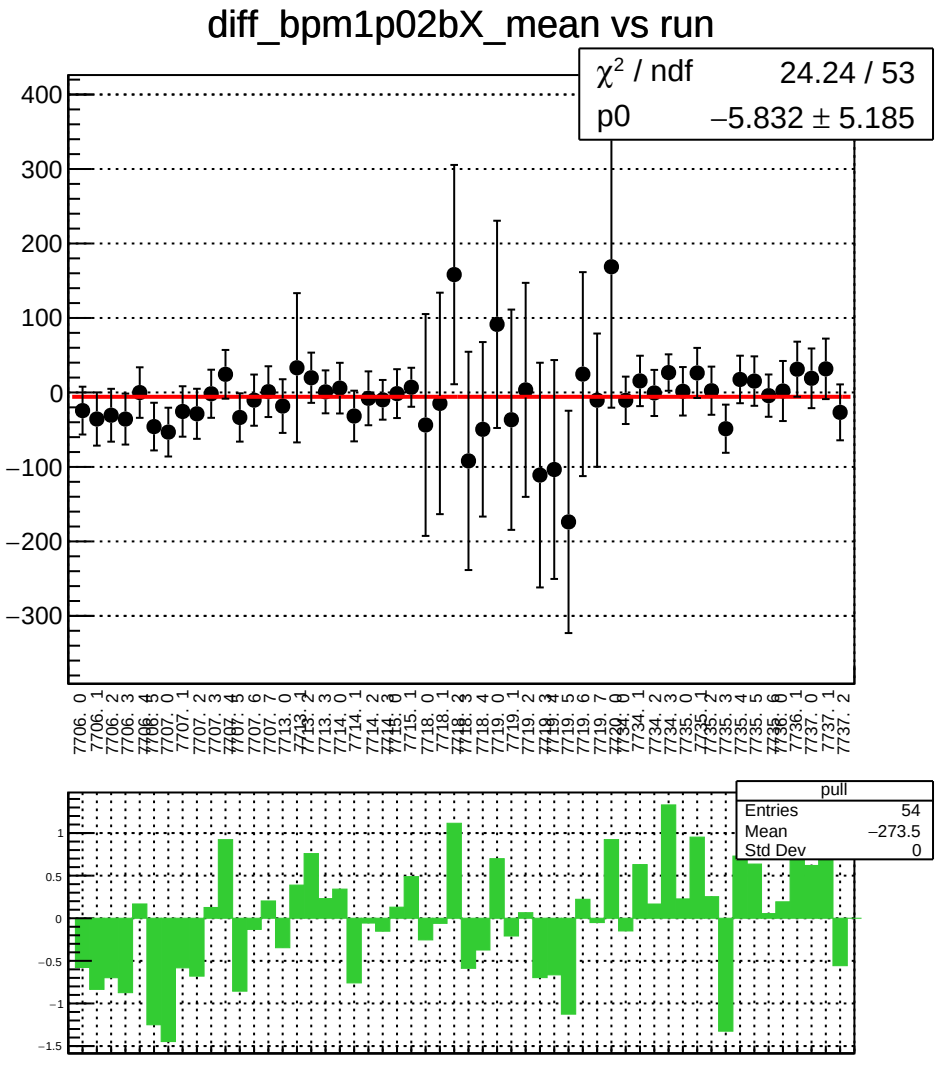

pull1D
Entries 54
Mean 0.004261
Std Dev 0.8091

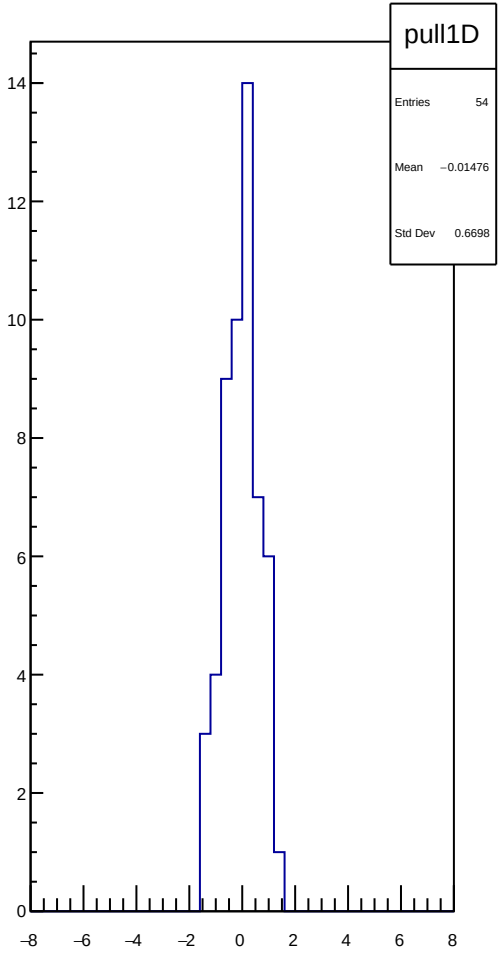

diff_bpm16X_rms vs run
χ² / ndf 1.905e+04 / 53
p0 2.443e+04 ± 23.93
34000
32000
30000
28000
26000
24000
22000
20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

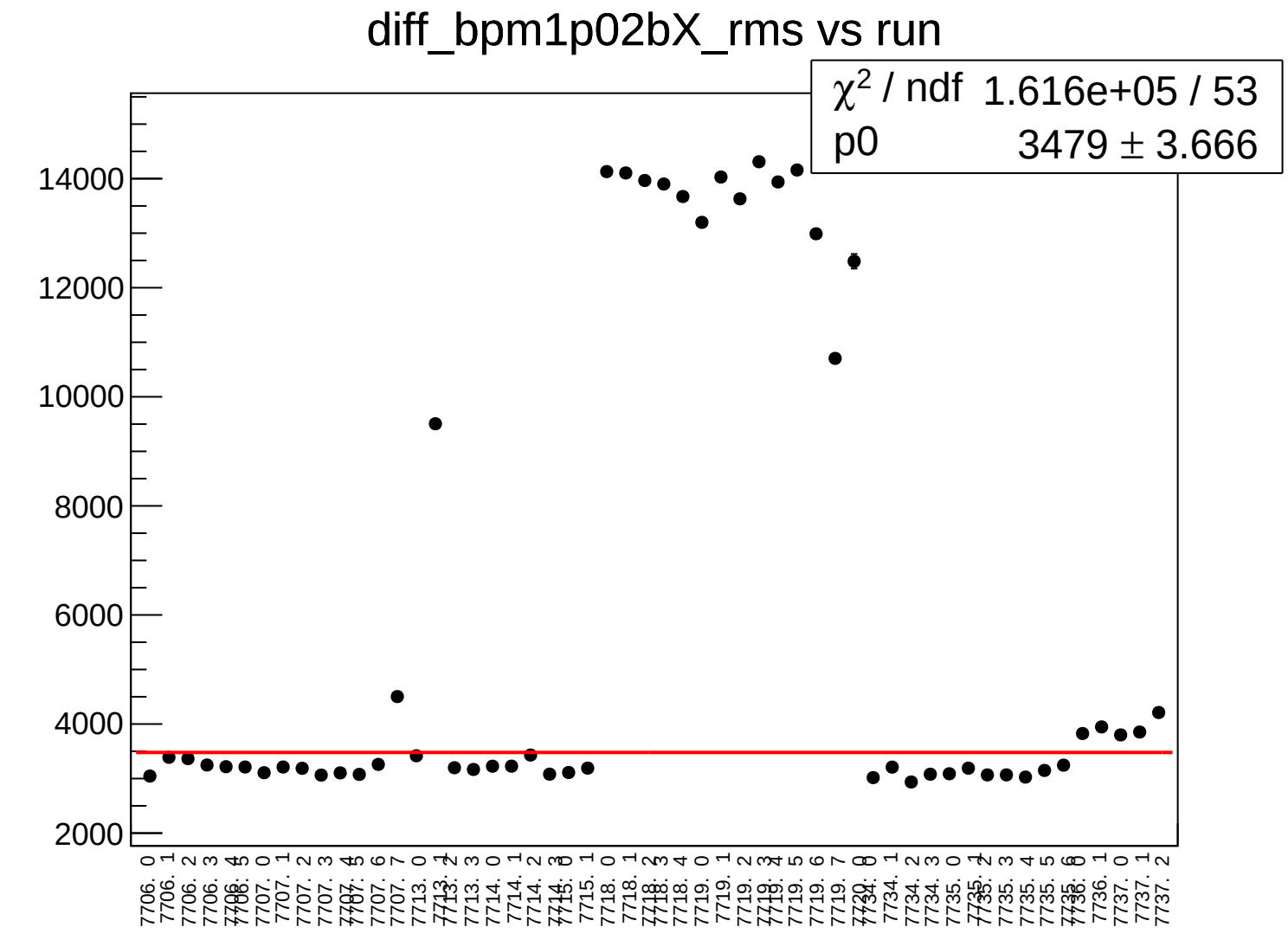

diff_bpm16Y_mean vs run
χ² / ndf 63.22 / 53
p0 3.682 ± 3.748
300
200
100
0
−100
−200
pull
Entries 54
Mean 82.4
Std Dev 0
2
1
0
−1
−2

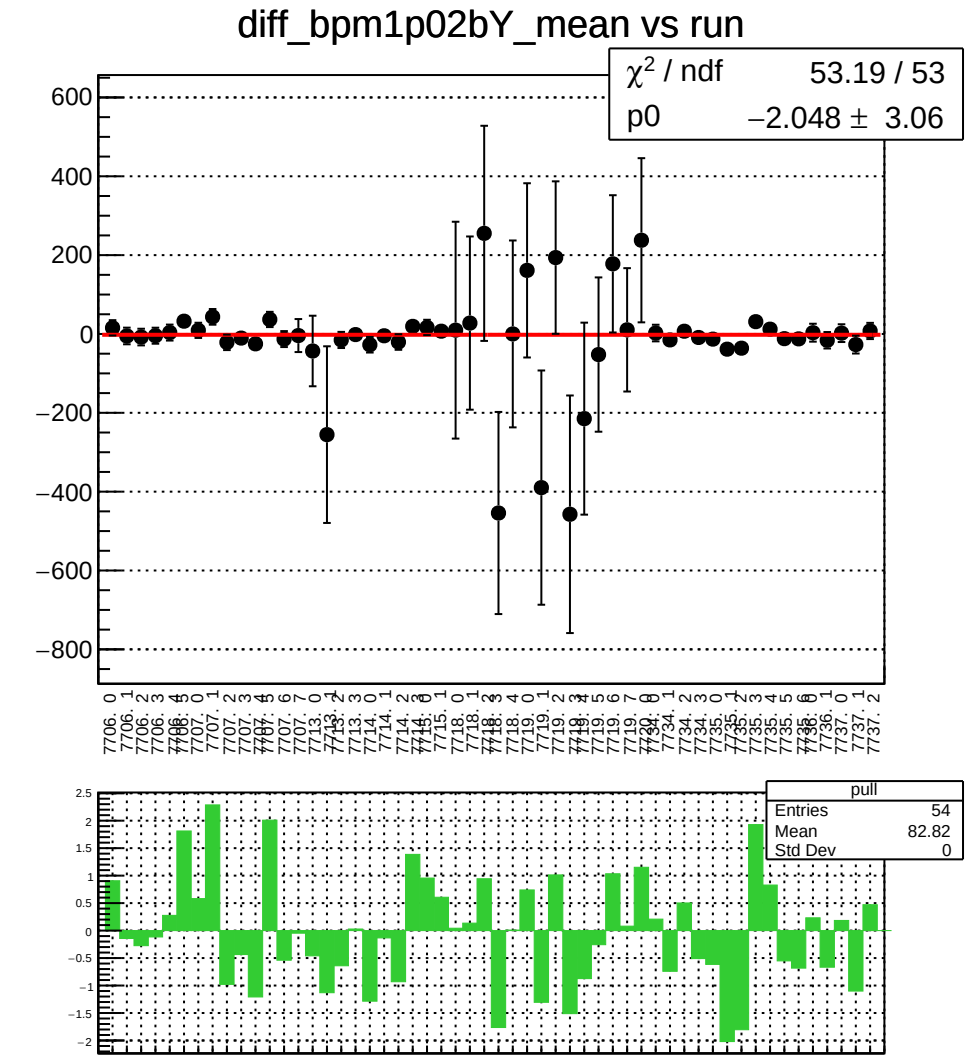

pull1D
Entries 54
Mean −0.0169
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

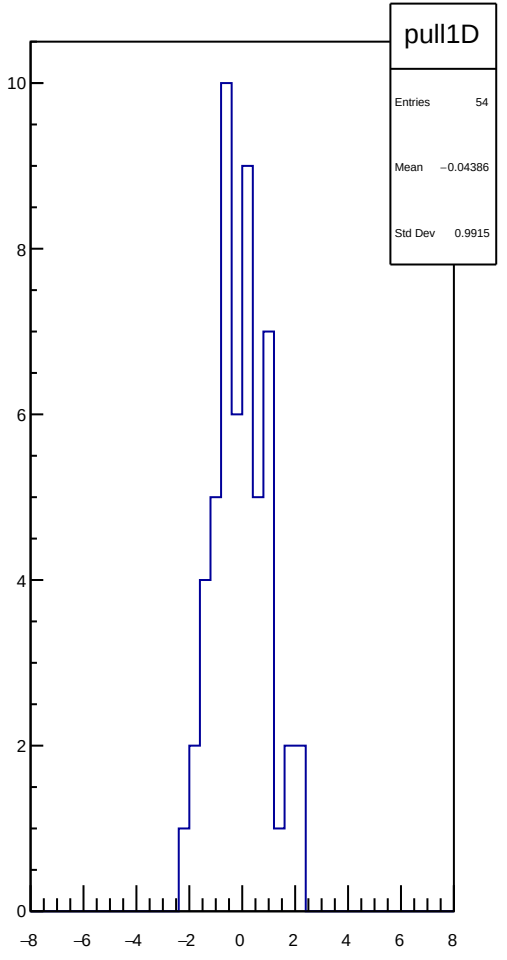

diff_bpm16Y_rms vs run
χ² / ndf 2.059e+05 / 53
p0 2452 ± 2.65
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000

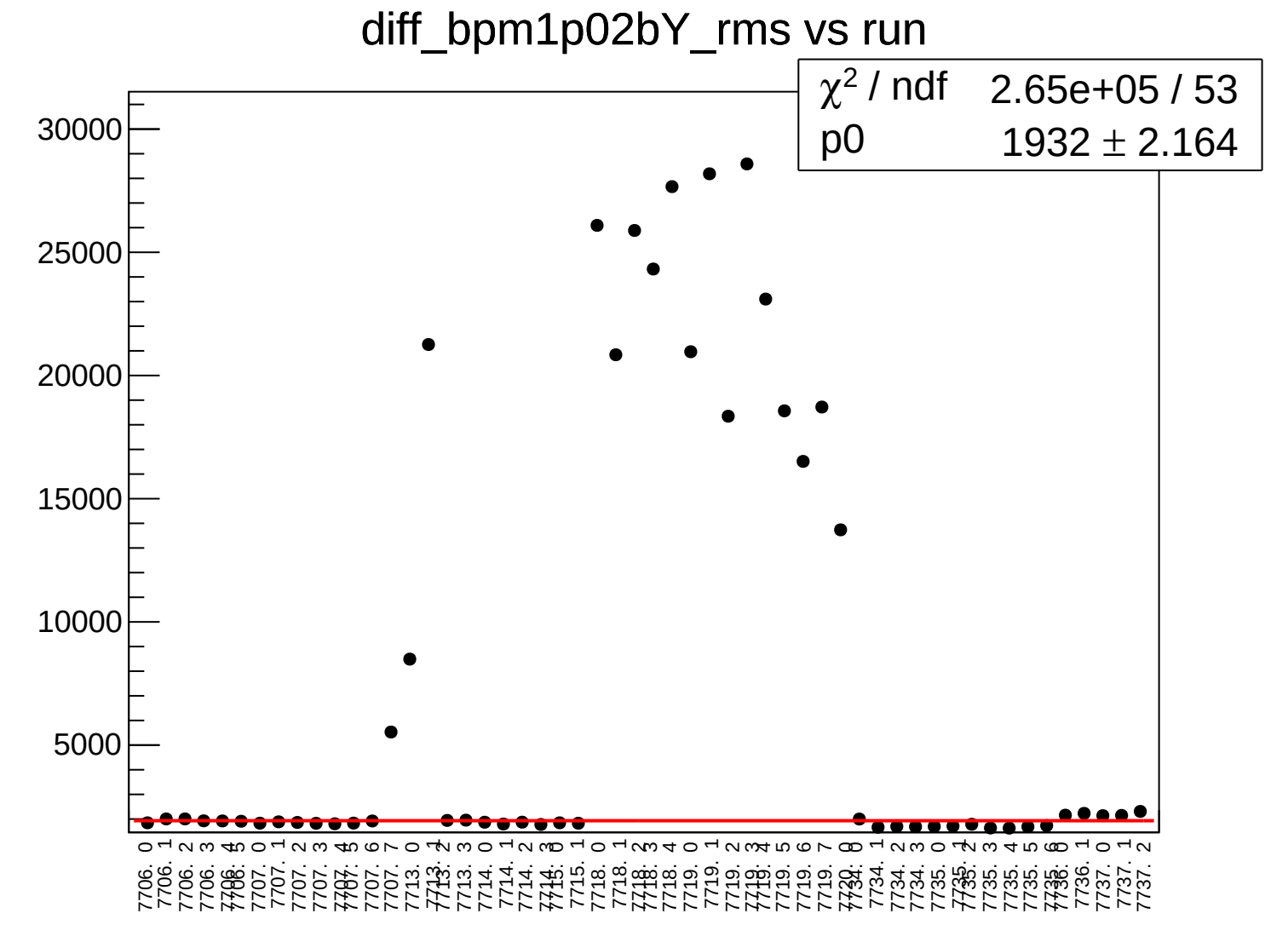

diff_bpm1p02bX_mean vs run
χ² / ndf 24.24 / 53
p0 −5.832 ± 5.185
pull
Entries 54
Mean −273.5
Std Dev 0

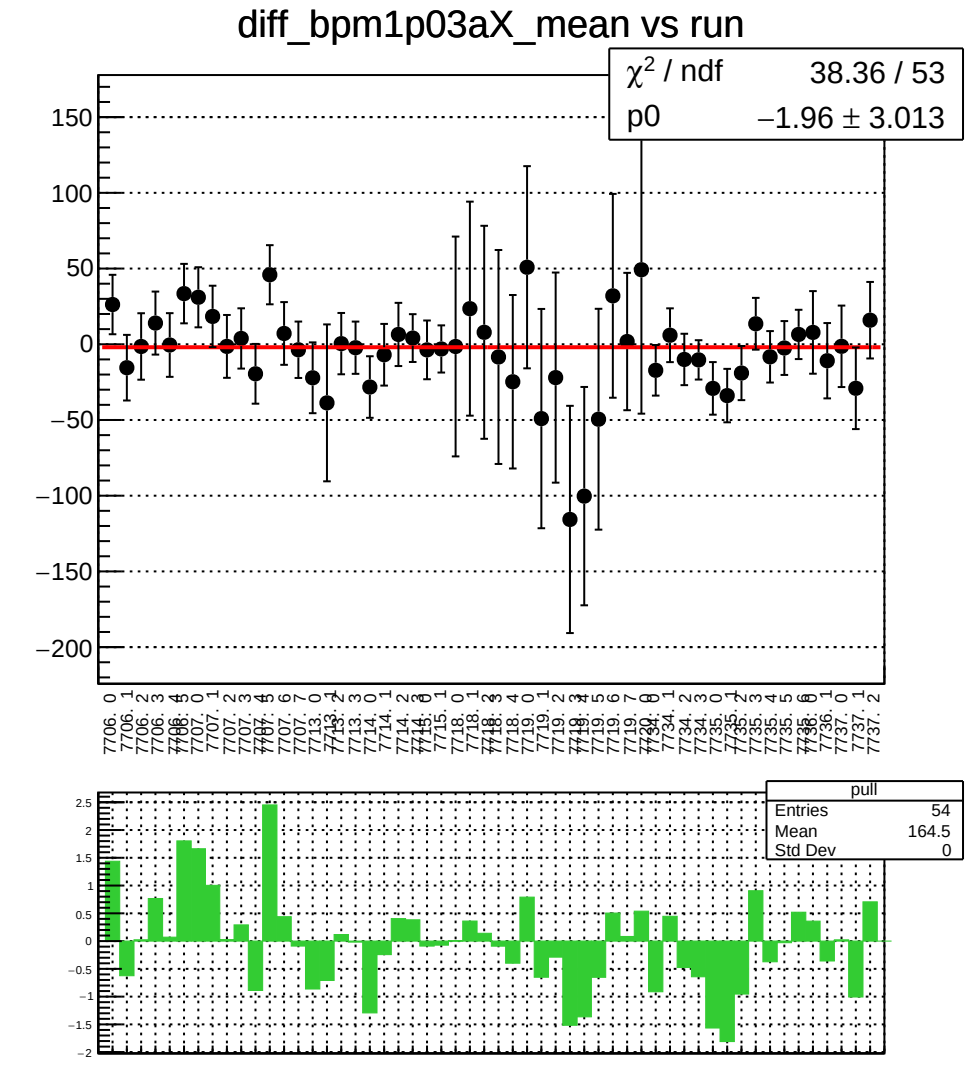

pull1D
Entries 54
Mean −0.01476
Std Dev 0.6698

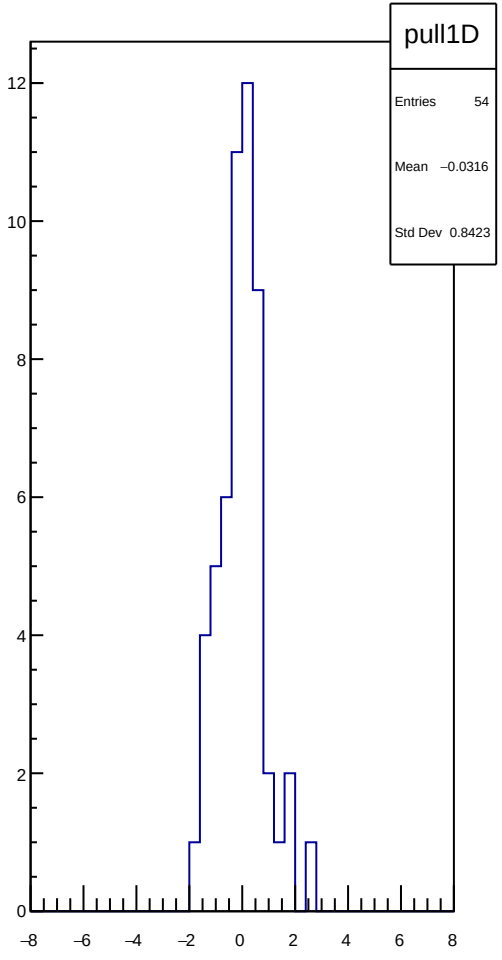

diff_bpm1p02bX_rms vs run
χ² / ndf 1.616e+05 / 53
p0 3479 ± 3.666
14000
12000
10000
8000
6000
4000
2000

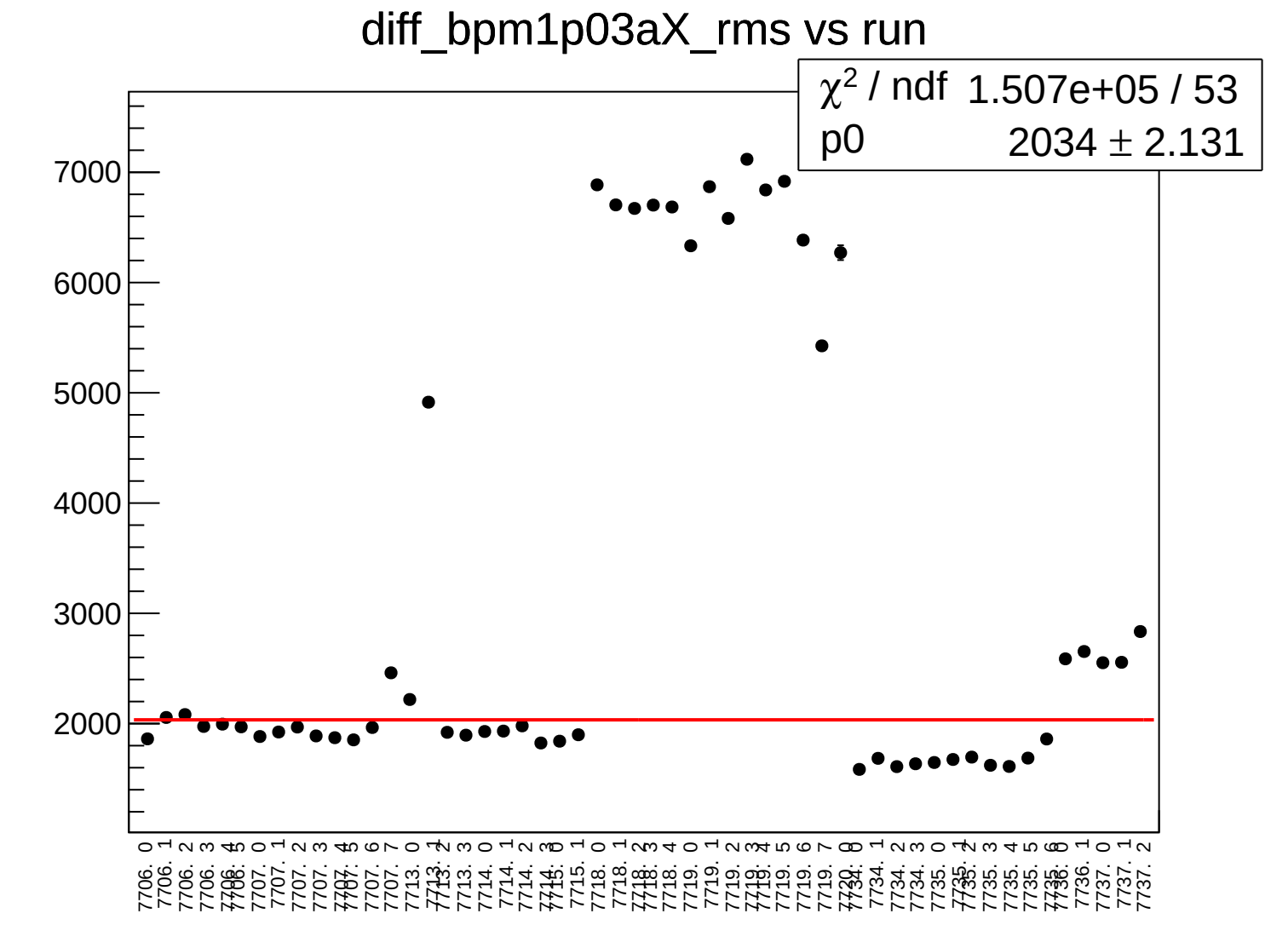

diff_bpm1p02bY_mean vs run
χ² / ndf 53.19 / 53
p0 −2.048 ± 3.06
pull
Entries 54
Mean 82.82
Std Dev 0

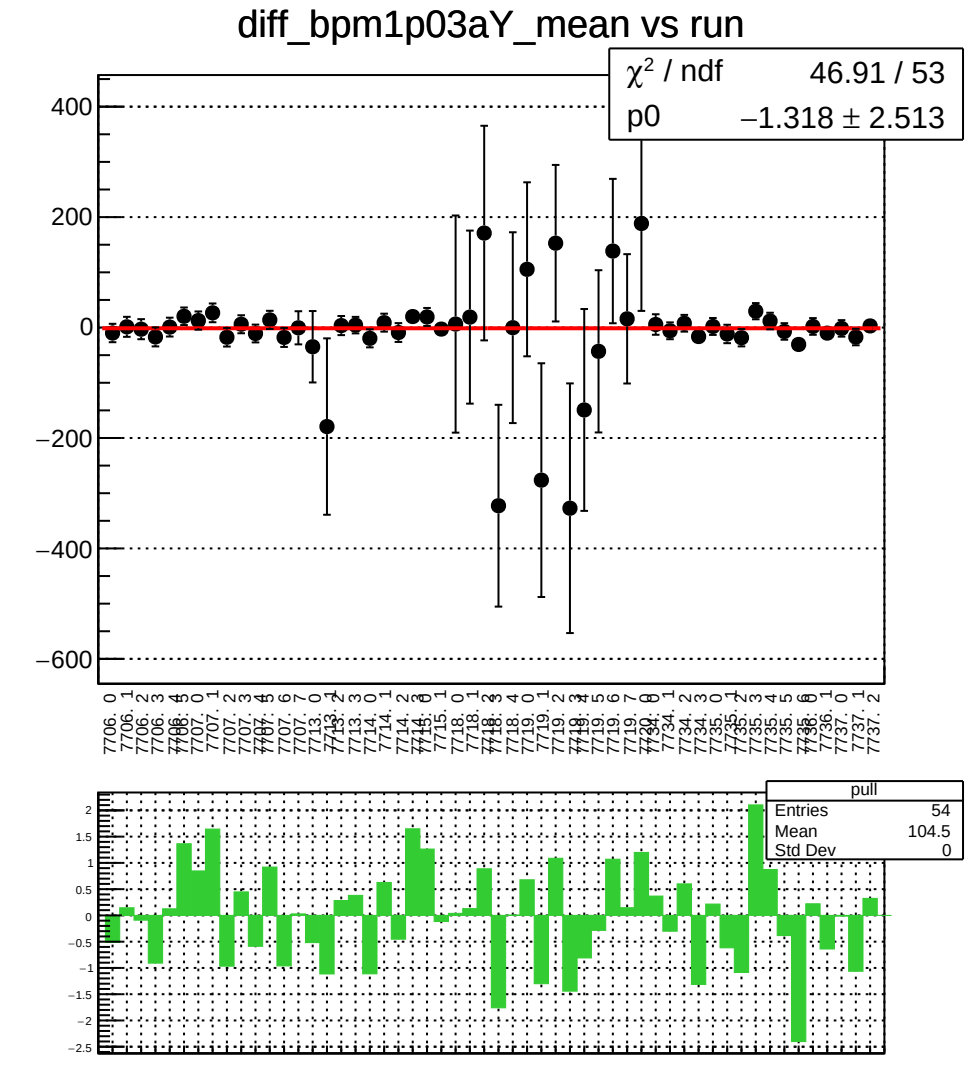

pull1D
Entries 54
Mean −0.04386
Std Dev 0.9915

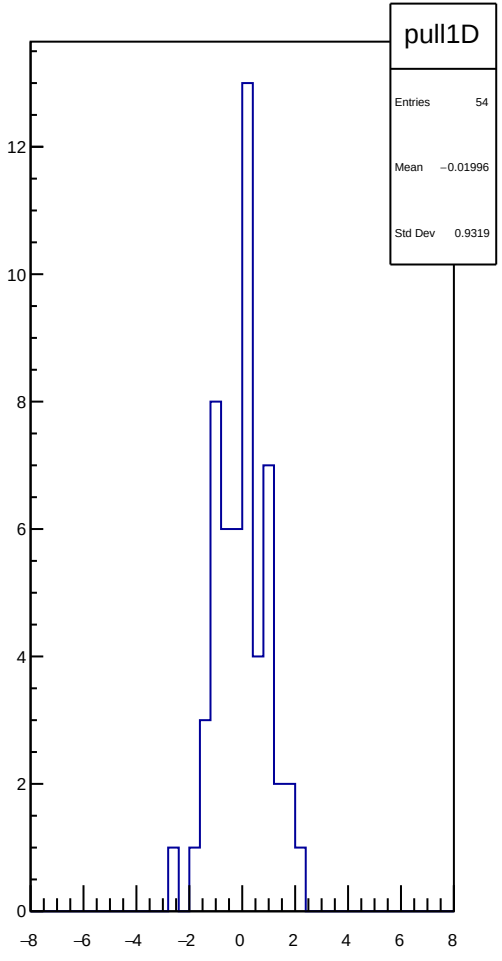

diff_bpm1p02bY_rms vs run
χ² / ndf 2.65e+05 / 53
p0 1932 ± 2.164
30000
25000
20000
15000
10000
5000

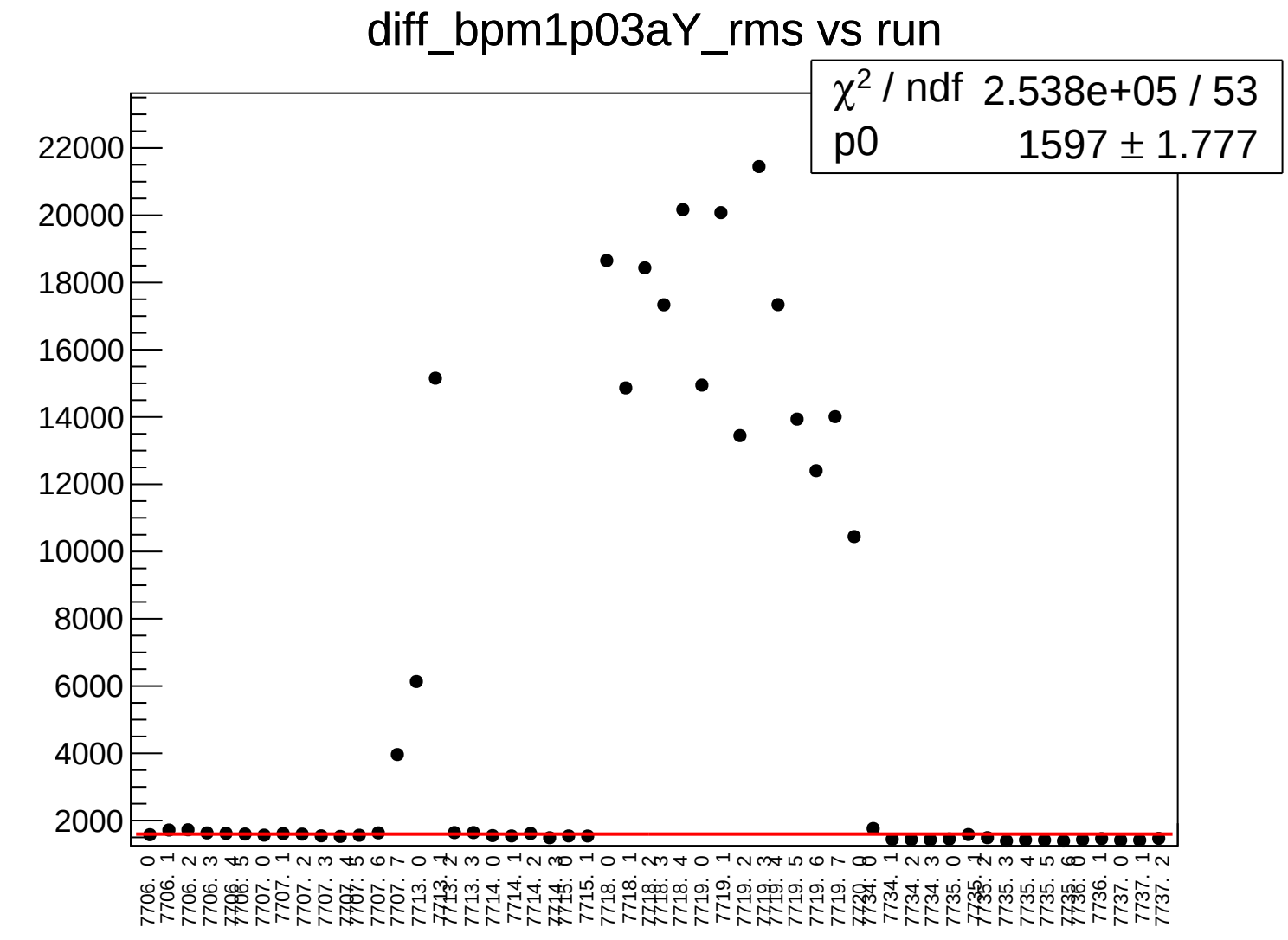

diff_bpm1p03aX_mean vs run
χ² / ndf 38.36 / 53
p0 −1.96 ± 3.013
pull
Entries 54
Mean 164.5
Std Dev 0

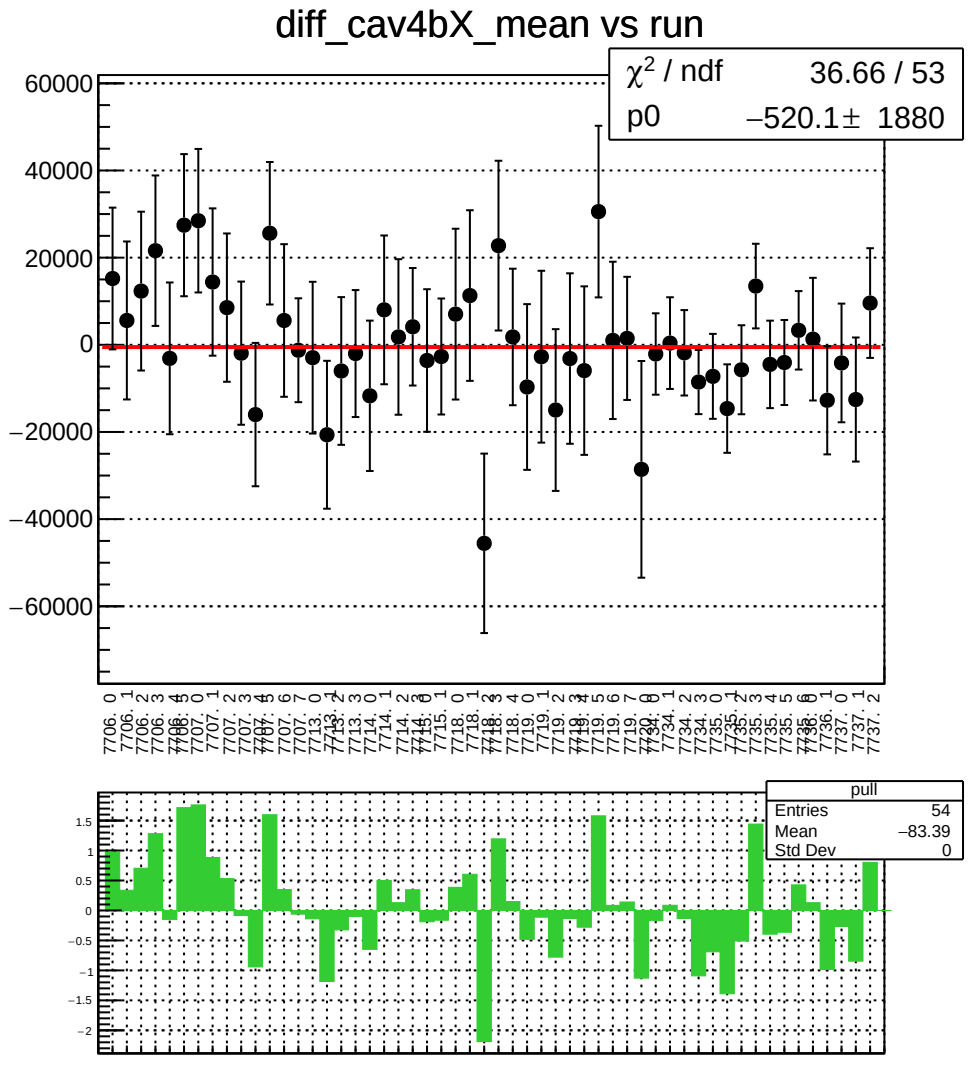

pull1D
Entries 54
Mean −0.0316
Std Dev 0.8423

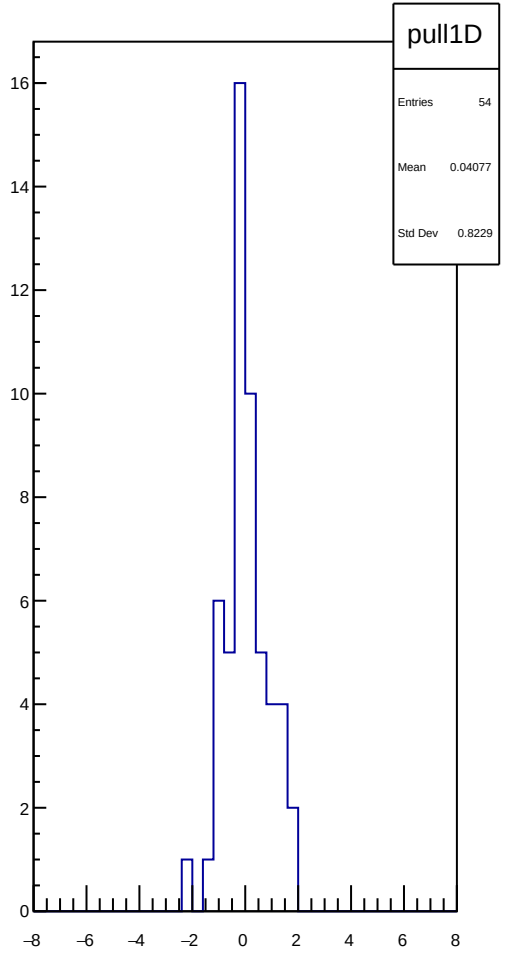

diff_bpm1p03aX_rms vs run
χ² / ndf 1.507e+05 / 53
p0 2034 ± 2.131
7000
6000
5000
4000
3000
2000

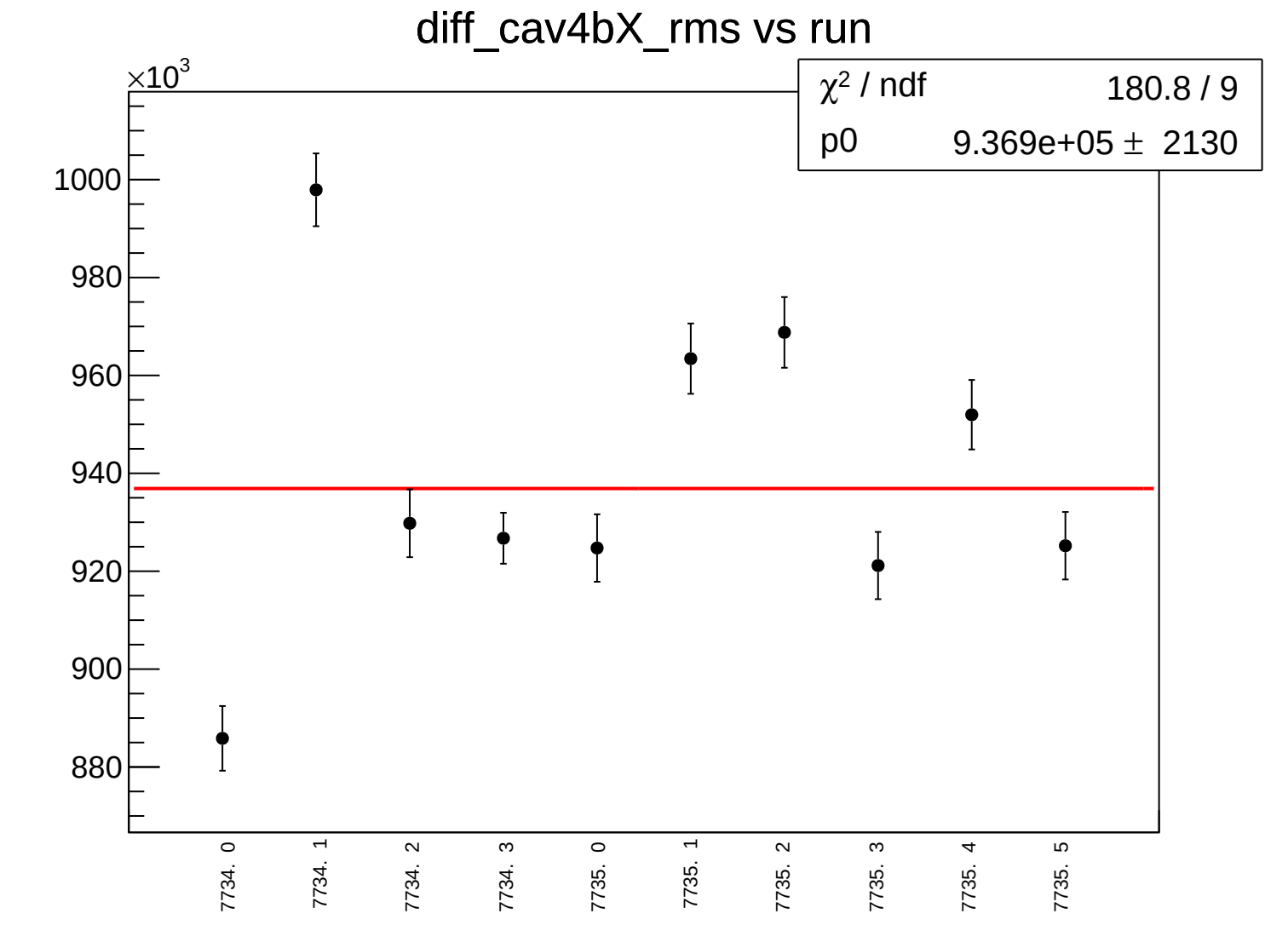

diff_bpm1p03aY_mean vs run
χ² / ndf 46.91 / 53
p0 −1.318 ± 2.513
pull
Entries 54
Mean 104.5
Std Dev 0

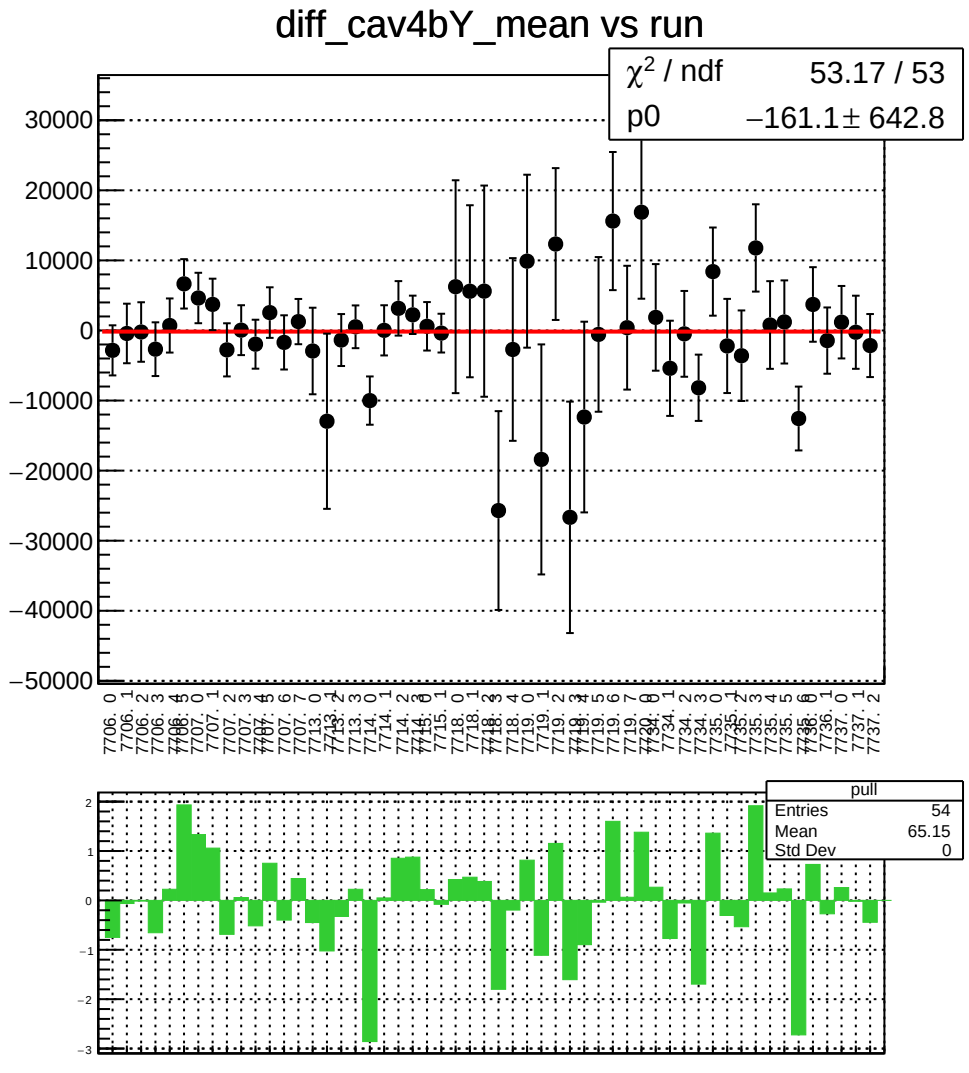

pull1D
Entries 54
Mean −0.01996
Std Dev 0.9319

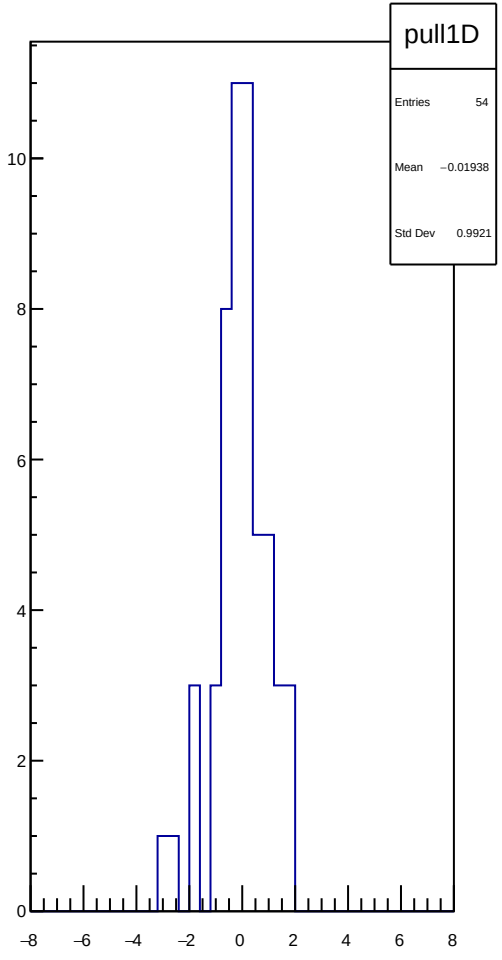

diff_bpm1p03aY_rms vs run
χ² / ndf 2.538e+05 / 53
p0 1597 ± 1.777
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000

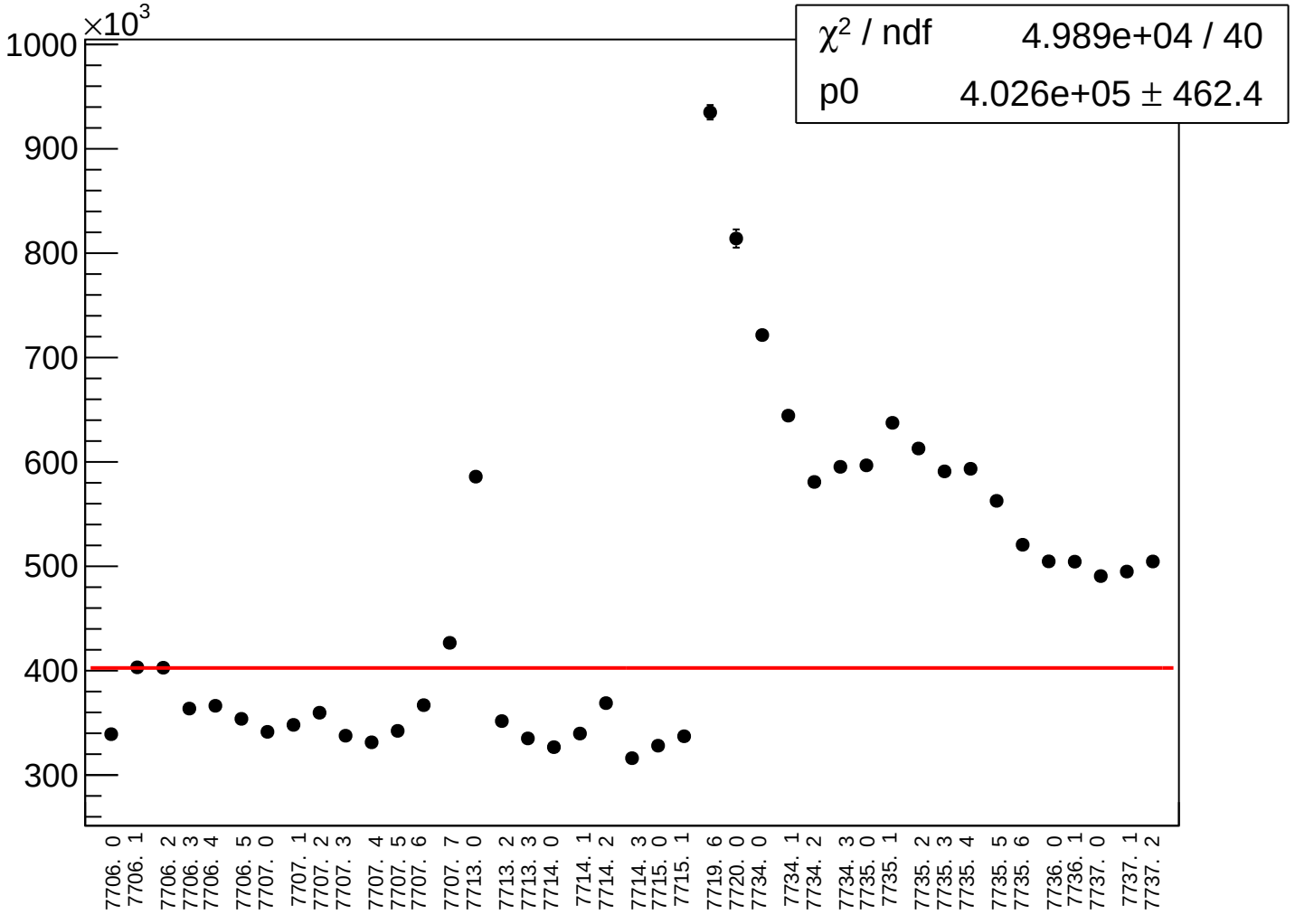

diff_cav4bX_mean vs run
χ² / ndf 36.66 / 53
p0 −520.1± 1880
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −83.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

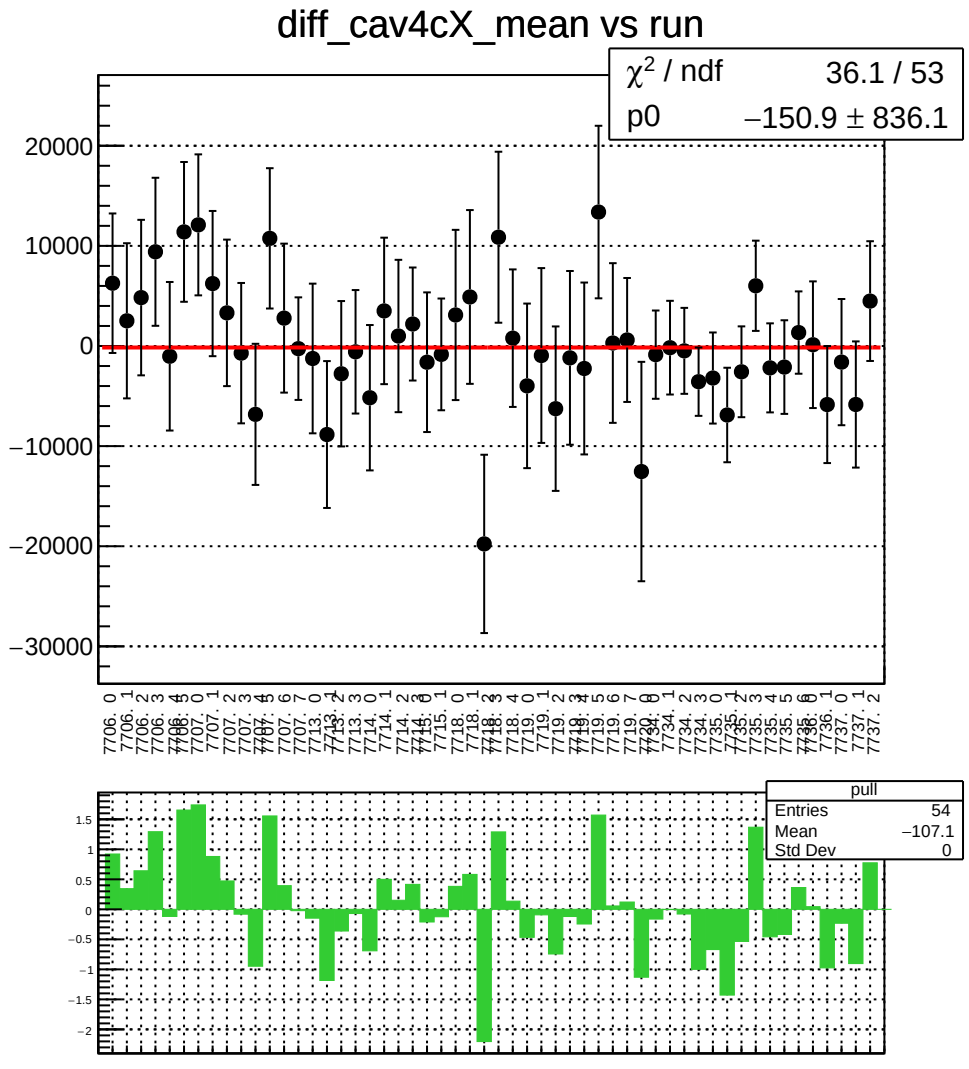

pull1D
Entries 54
Mean 0.04077
Std Dev 0.8229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

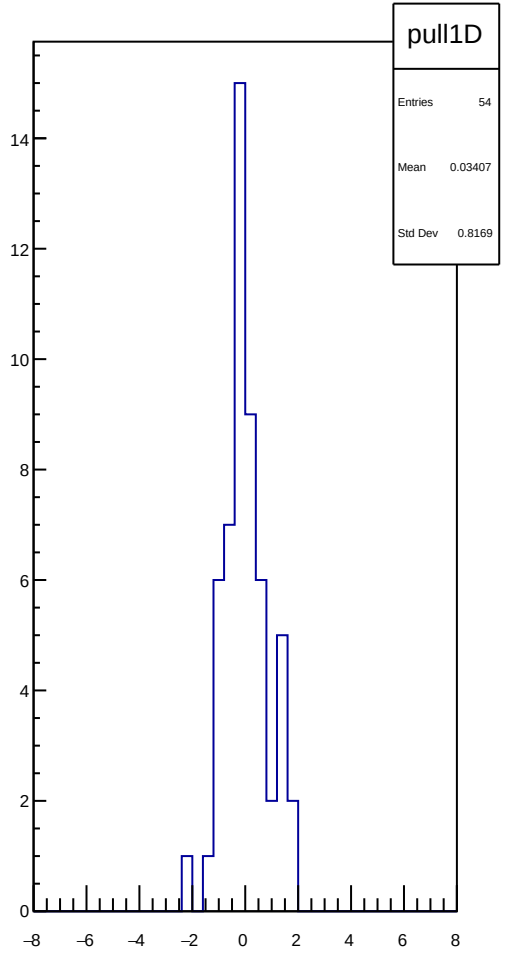

diff_cav4bX_rms vs run
×10^3
χ² / ndf 180.8 / 9
p0 9.369e+05 ± 2130
1000
980
960
940
920
900
880
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5

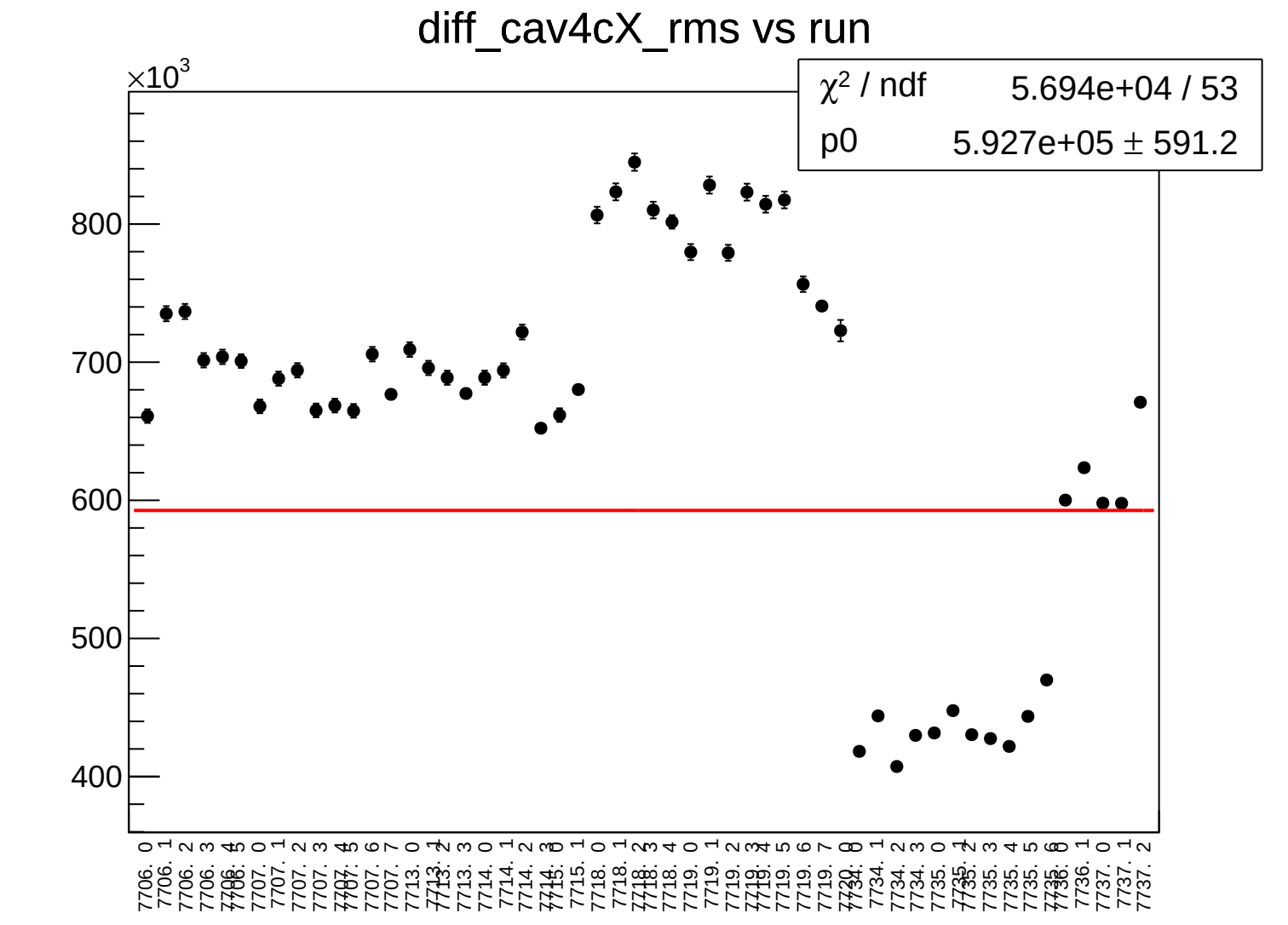

diff_cav4bY_mean vs run
χ² / ndf 53.17 / 53
p0 −161.1± 642.8
pull
Entries 54
Mean 65.15
Std Dev 0

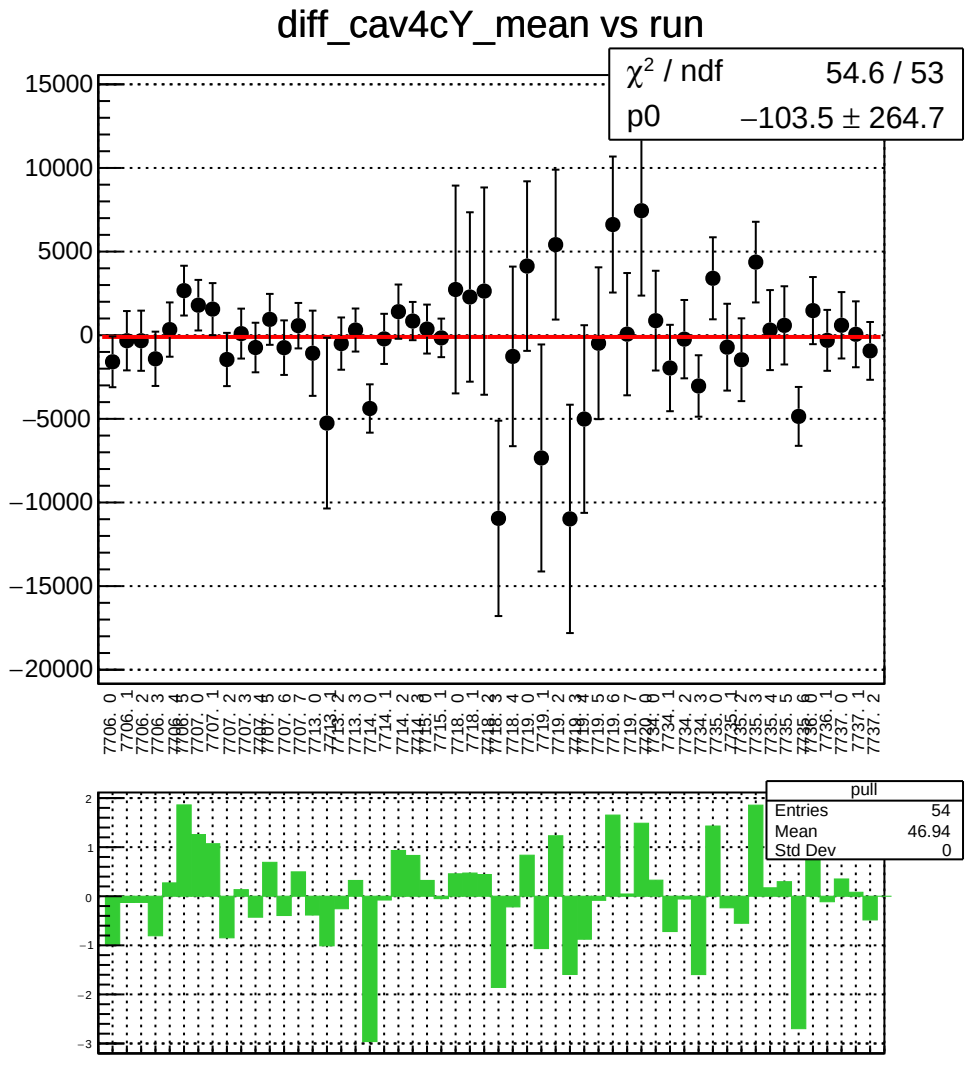

pull1D
Entries 54
Mean −0.01938
Std Dev 0.9921

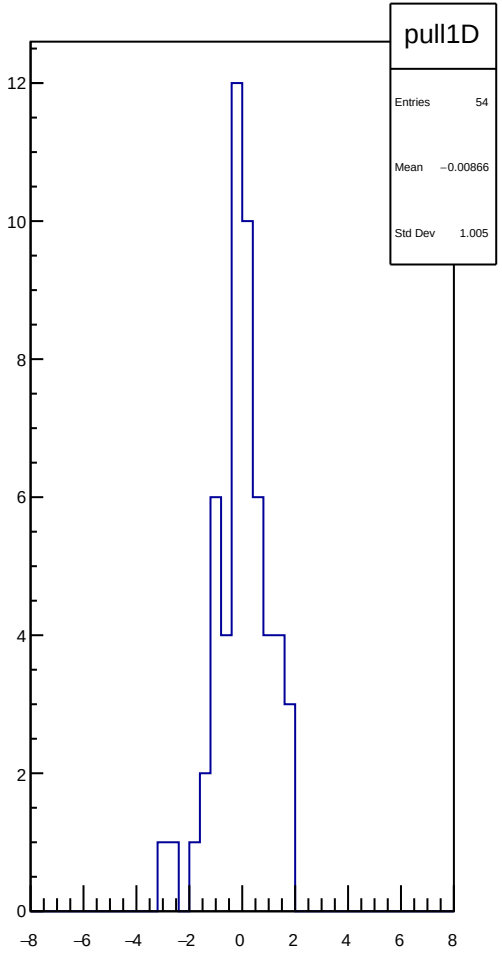

diff_cav4bY_rms vs run
×10^3
1000
900
800
700
600
500
400
300
χ² / ndf 4.989e+04 / 40
p0 4.026e+05 ± 462.4
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

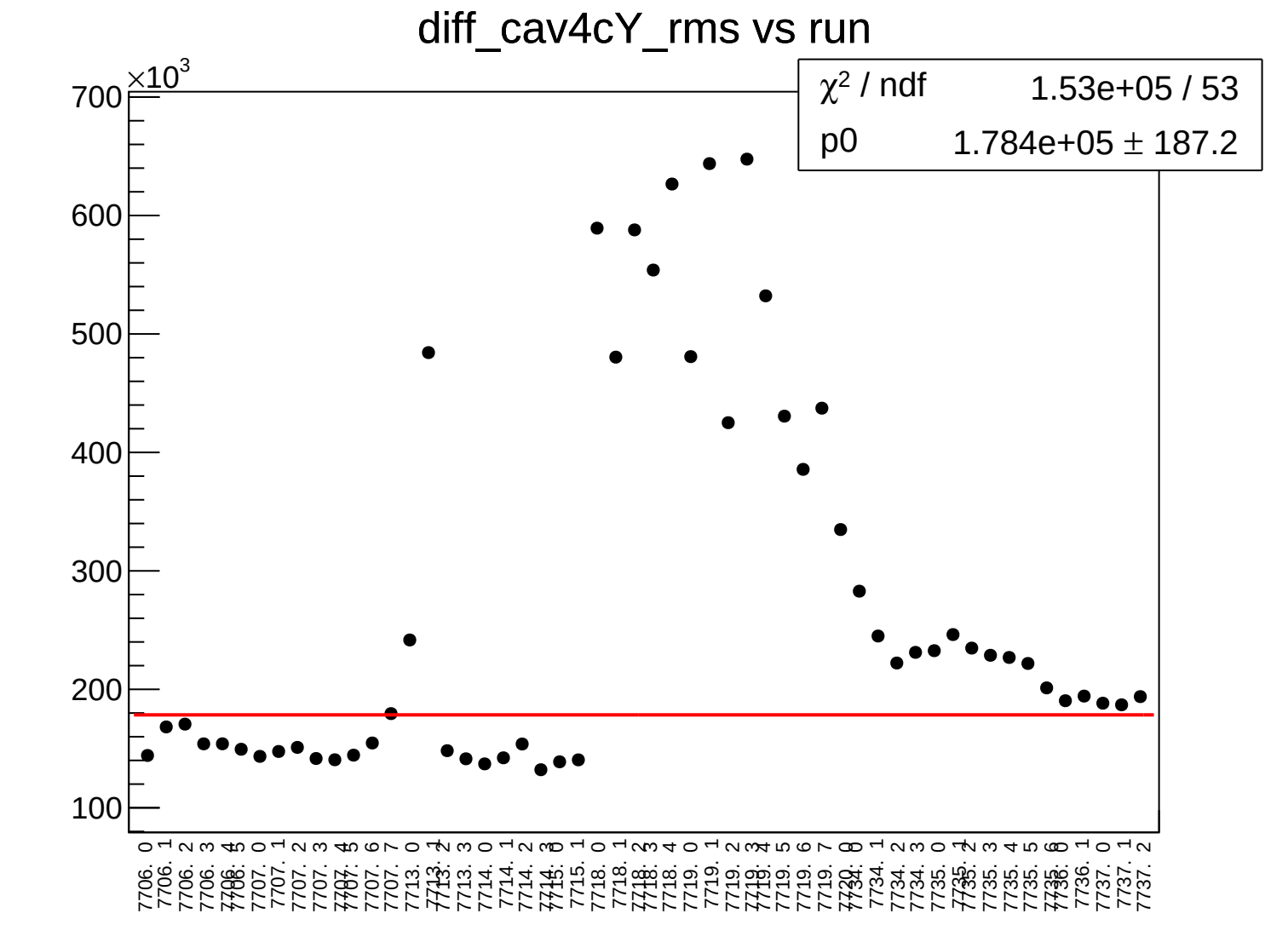

diff_cav4cX_mean vs run
χ² / ndf 36.1 / 53
p0 −150.9 ± 836.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −107.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

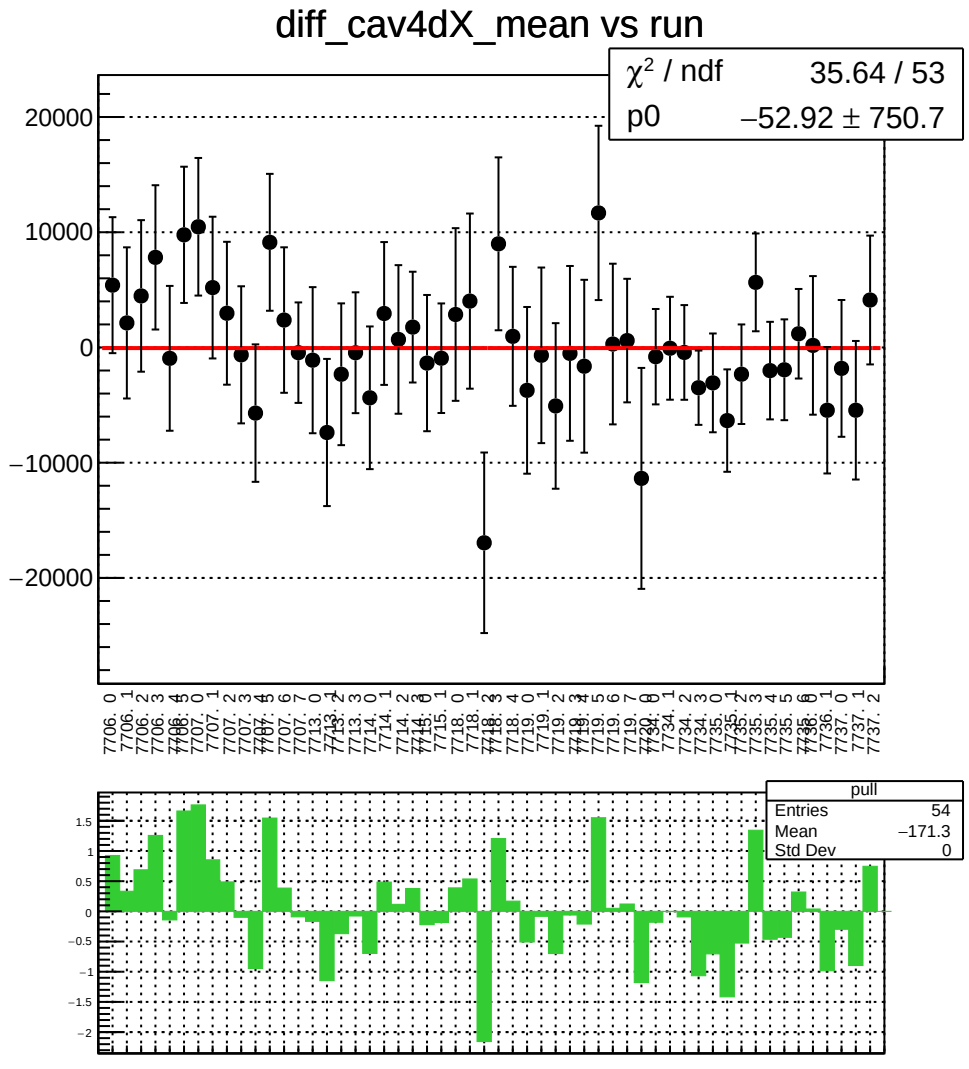

pull1D
Entries 54
Mean 0.03407
Std Dev 0.8169
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

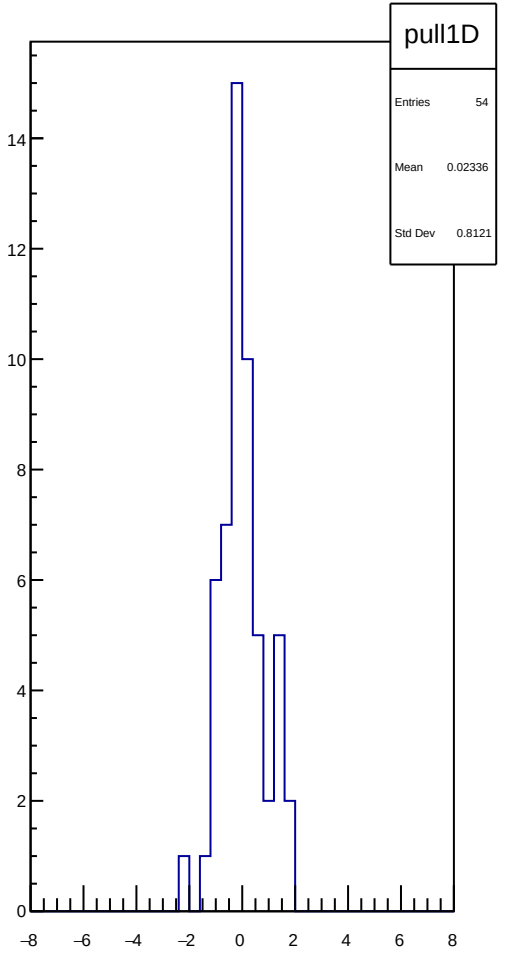

diff_cav4cX_rms vs run
×10^3
χ² / ndf 5.694e+04 / 53
p0 5.927e+05 ± 591.2
800
700
600
500
400

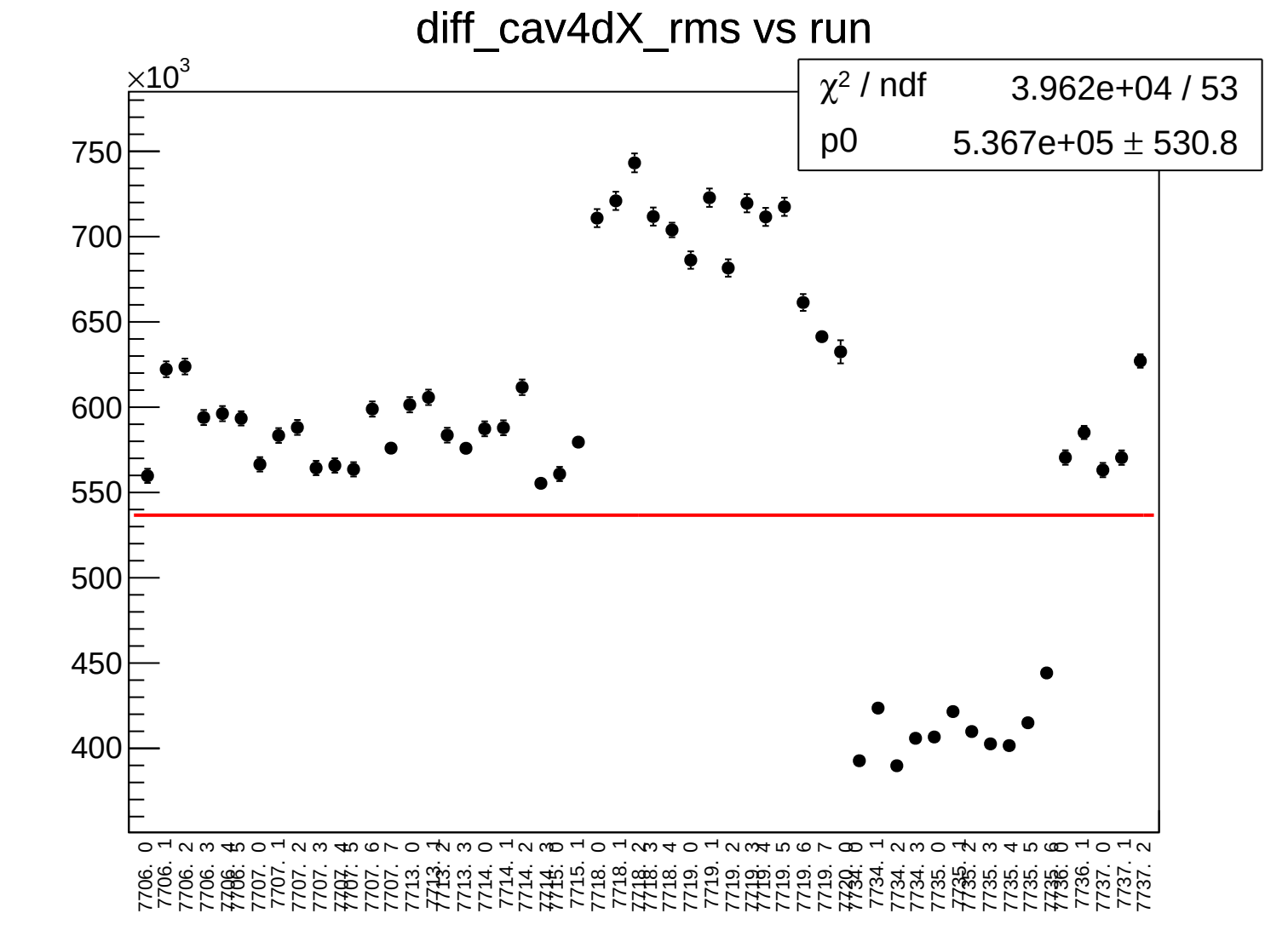

diff_cav4cY_mean vs run
χ² / ndf 54.6 / 53
p0 −103.5 ± 264.7
pull
Entries 54
Mean 46.94
Std Dev 0

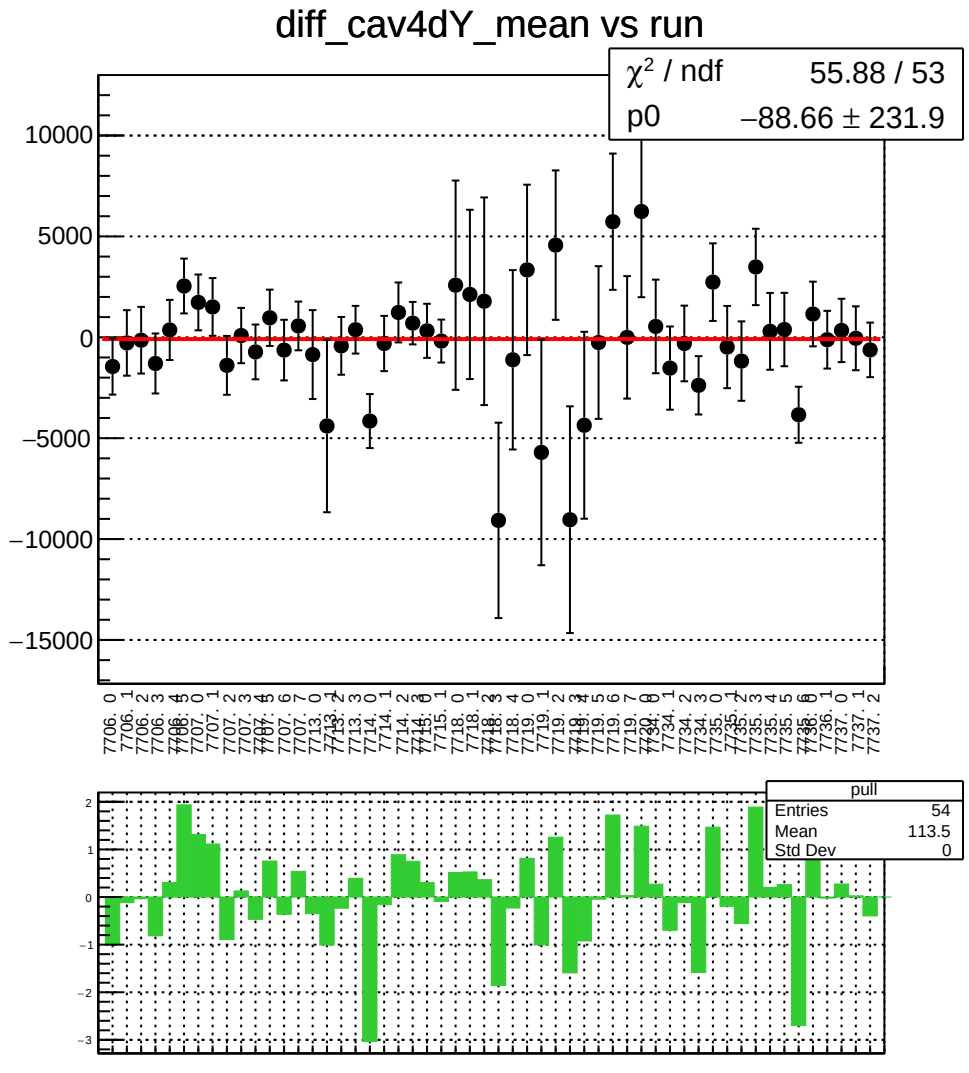

pull1D
Entries 54
Mean −0.00866
Std Dev 1.005

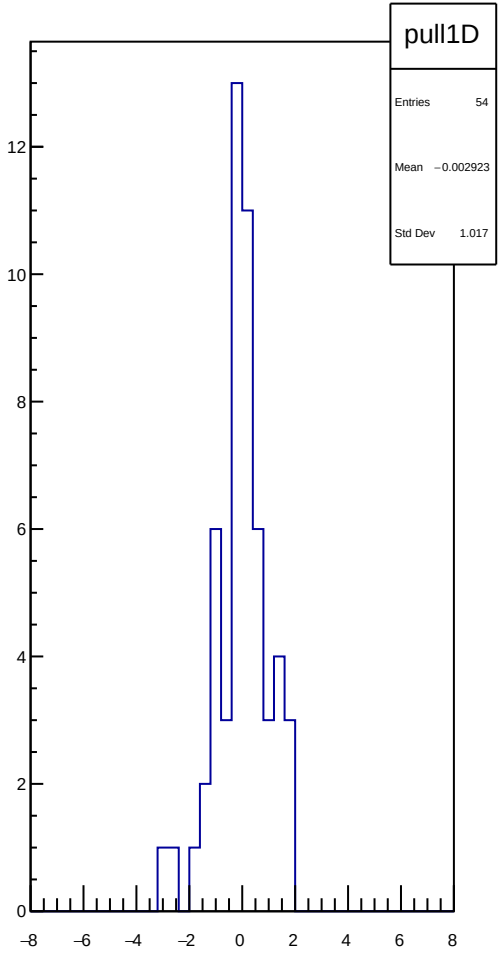

diff_cav4cY_rms vs run
×10^3
700
600
500
400
300
200
100
χ² / ndf 1.53e+05 / 53
p0 1.784e+05 ± 187.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

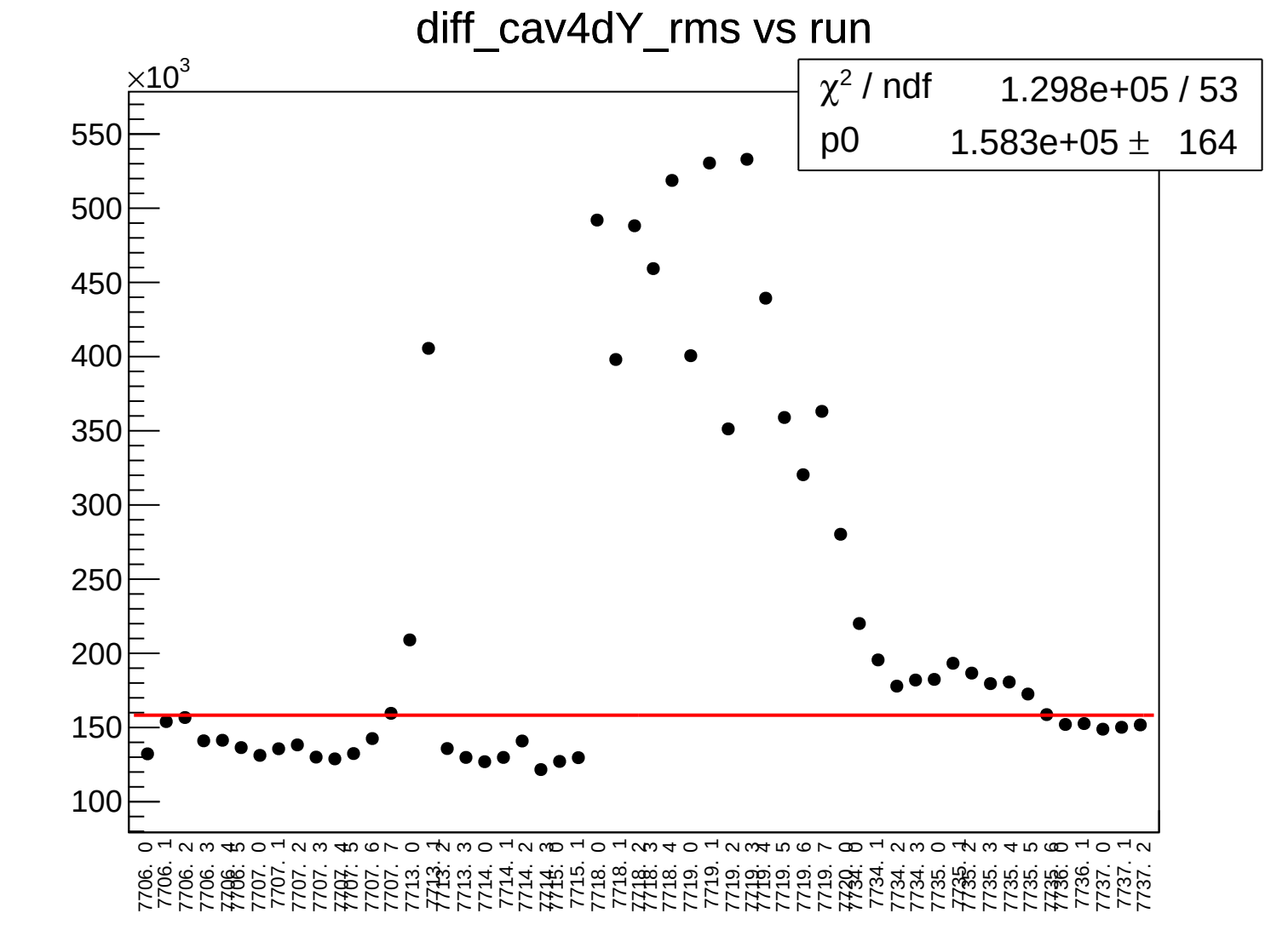

diff_cav4dX_mean vs run
χ² / ndf 35.64 / 53
p0 −52.92 ± 750.7
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −171.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

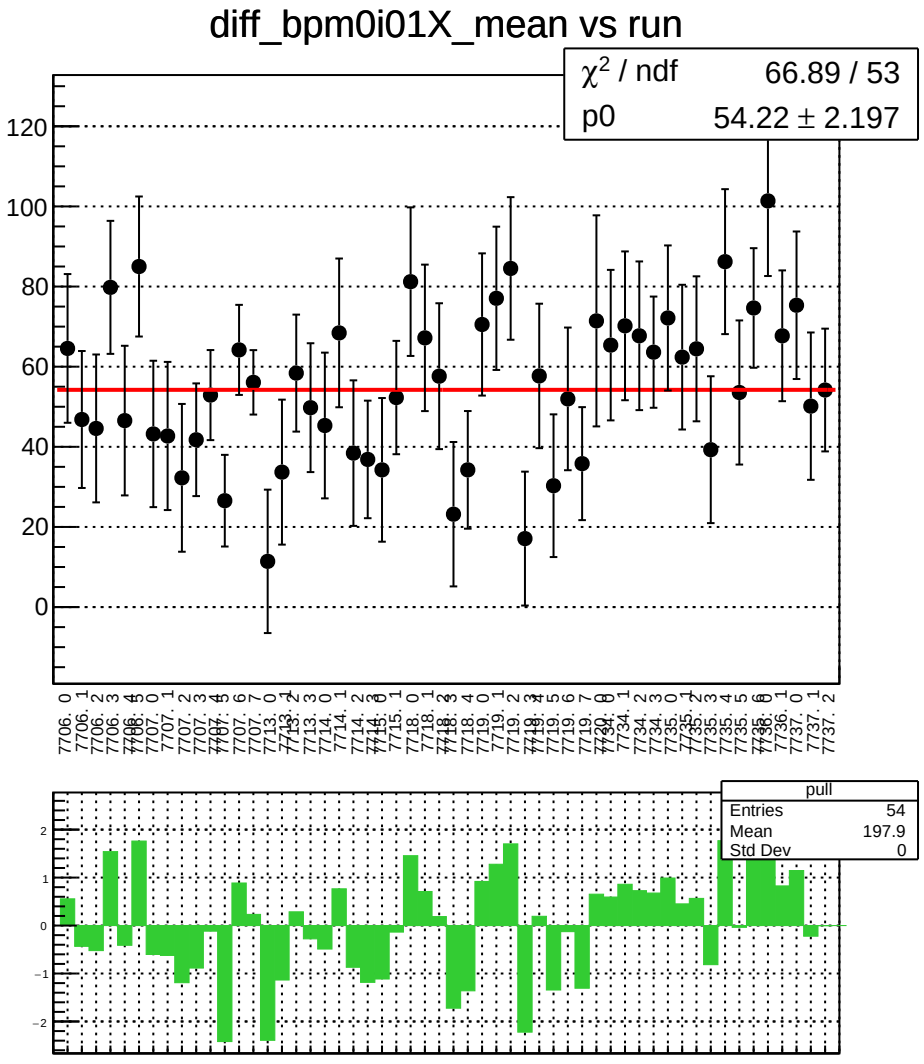

pull1D
Entries 54
Mean 0.02336
Std Dev 0.8121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

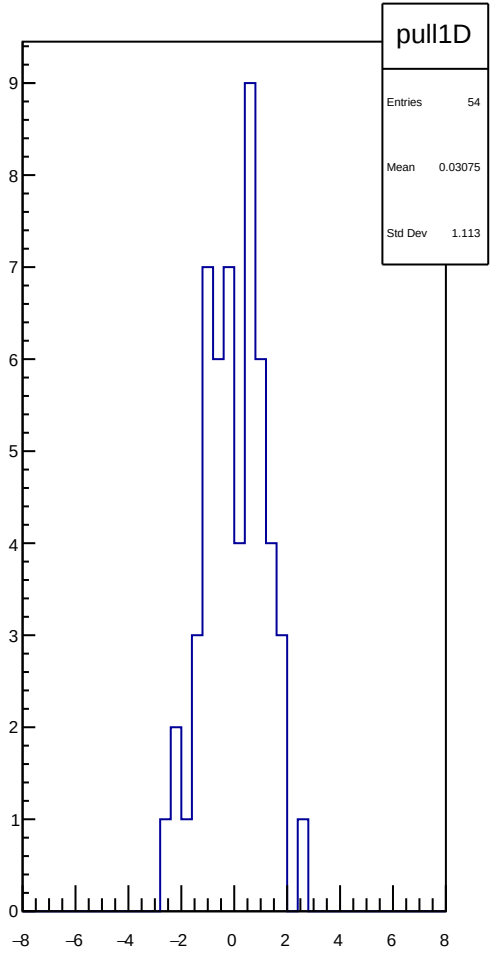

diff_cav4dX_rms vs run
×10^3
χ² / ndf 3.962e+04 / 53
p0 5.367e+05 ± 530.8
750
700
650
600
550
500
450
400

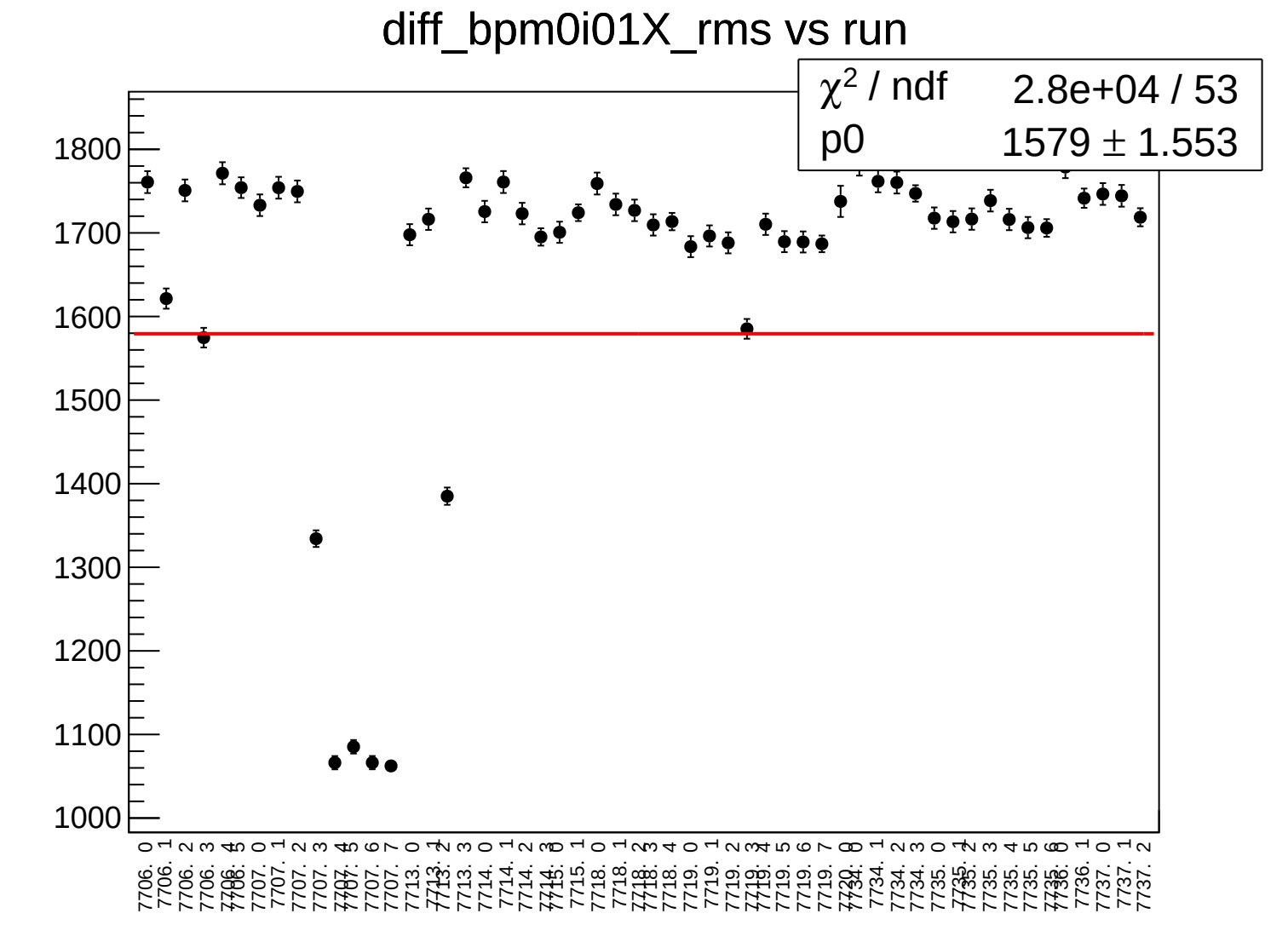

diff_cav4dY_mean vs run
χ² / ndf 55.88 / 53
p0 −88.66 ± 231.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 113.5
Std Dev 0
2
1
0
−1
−2
−3

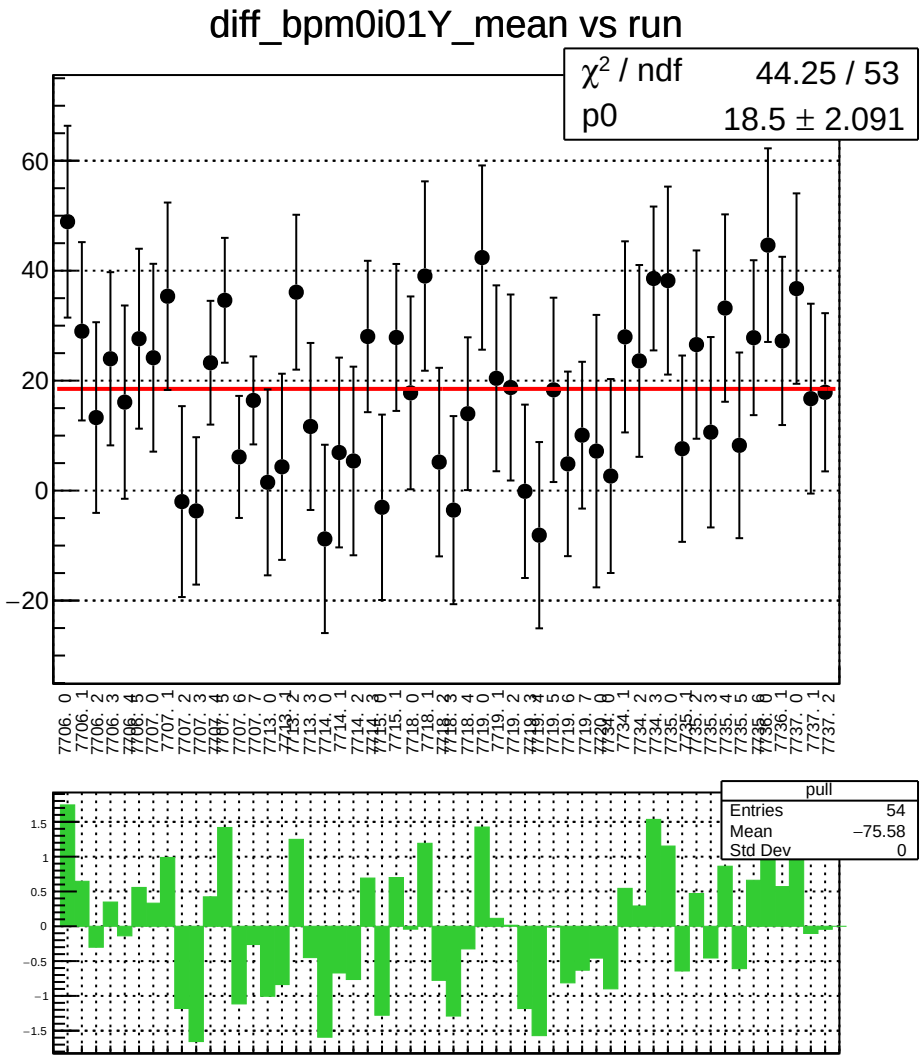

pull1D
Entries 54
Mean −0.002923
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

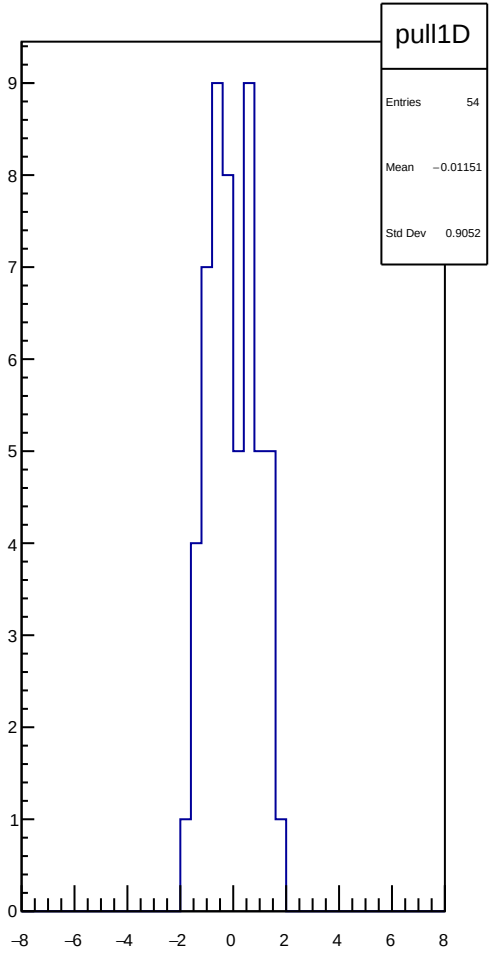

diff_cav4dY_rms vs run
×10^3
χ^2 / ndf 1.298e+05 / 53
p0 1.583e+05 ± 164
550
500
450
400
350
300
250
200
150
100

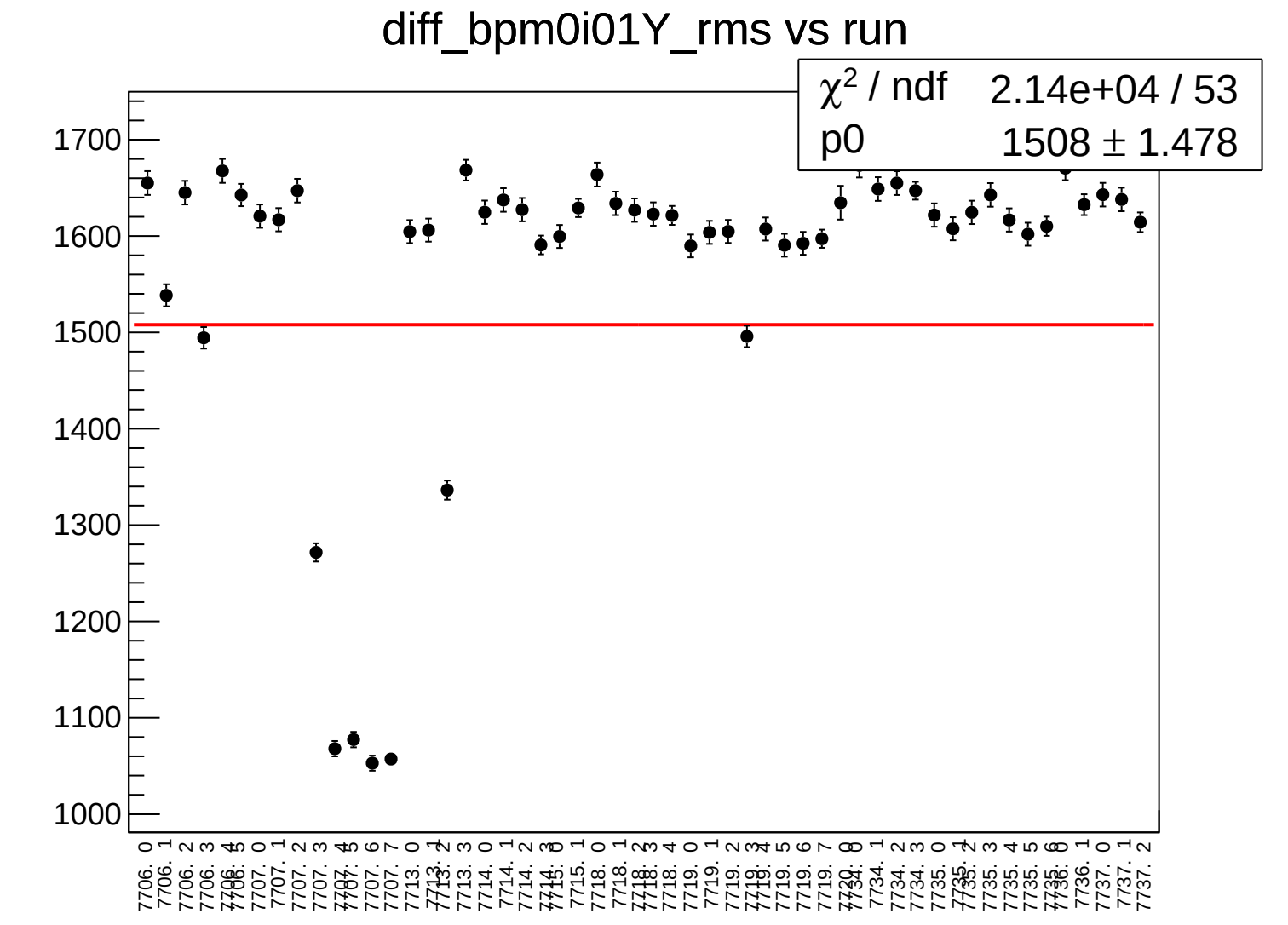

diff_bpm0i01X_mean vs run
χ^2 / ndf 66.89 / 53
p0 54.22 ± 2.197
pull
Entries 54
Mean 197.9
Std Dev 0

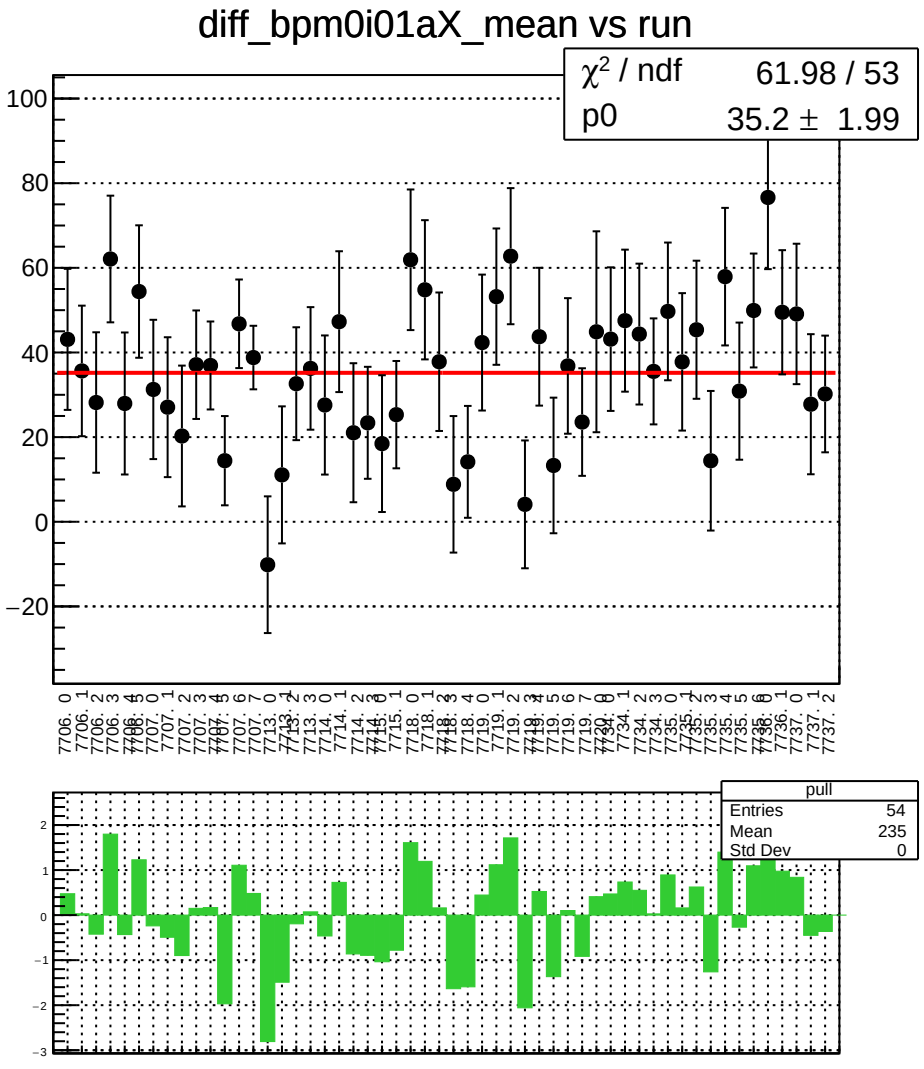

pull1D
Entries 54
Mean 0.03075
Std Dev 1.113

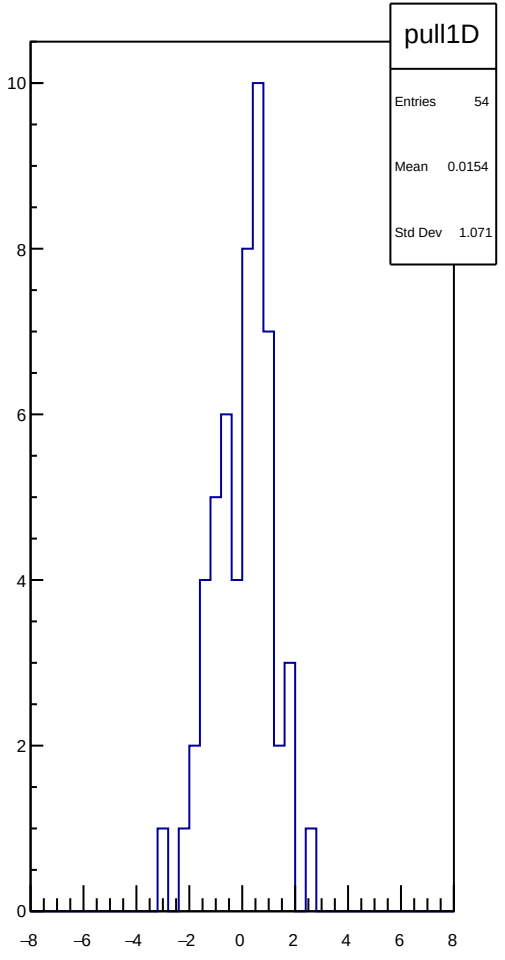

diff_bpm0i01X_rms vs run
χ² / ndf 2.8e+04 / 53
p0 1579 ± 1.553
1800
1700
1600
1500
1400
1300
1200
1100
1000

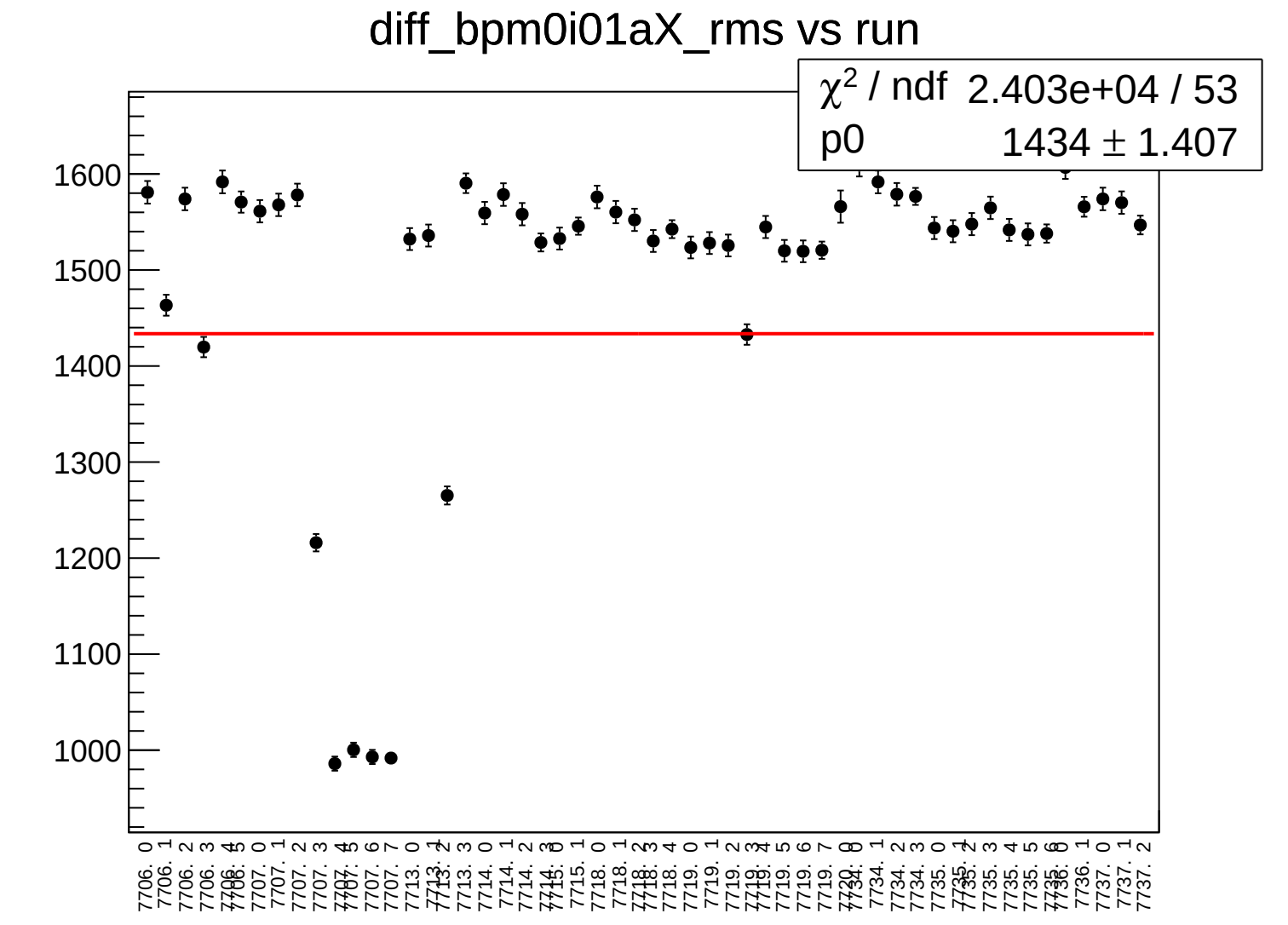

diff_bpm0i01Y_mean vs run
χ² / ndf 44.25 / 53
p0 18.5 ± 2.091
pull
Entries 54
Mean −75.58
Std Dev 0

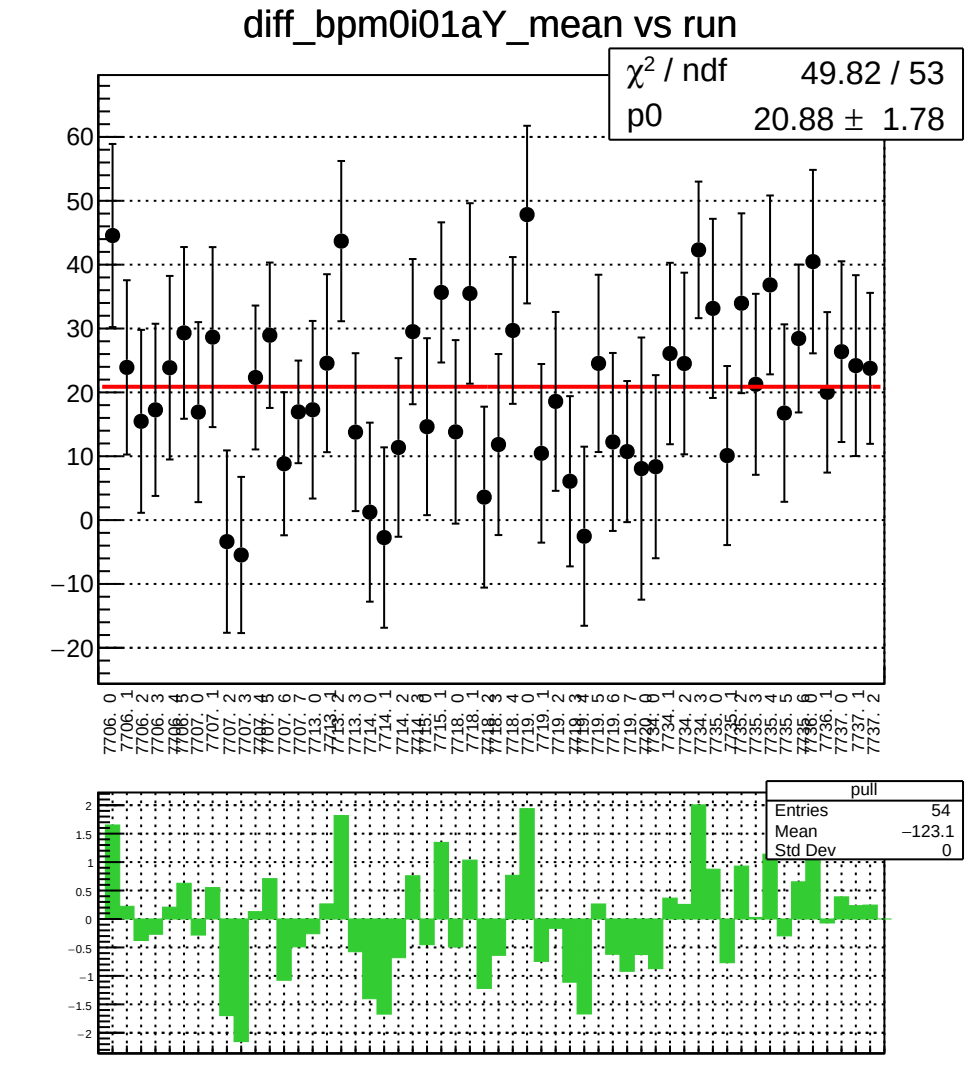

pull1D
Entries 54
Mean −0.01151
Std Dev 0.9052

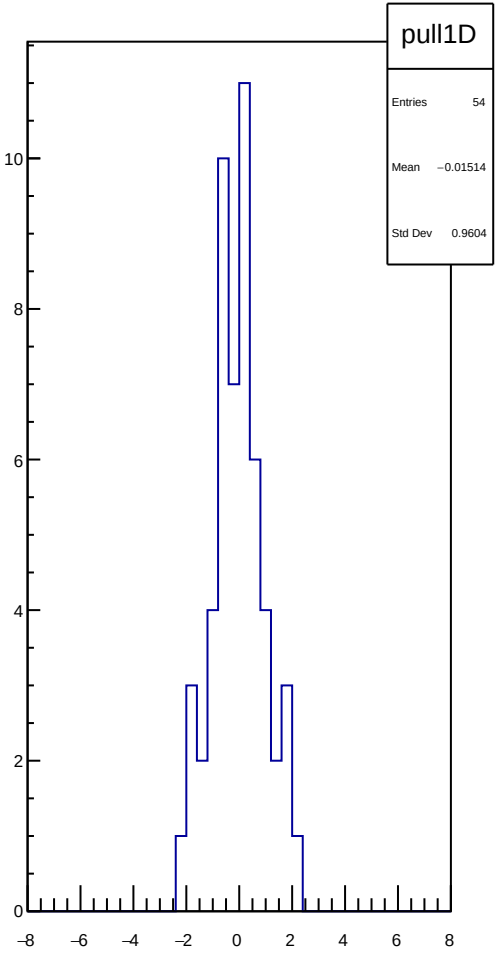

diff_bpm0i01Y_rms vs run
χ² / ndf 2.14e+04 / 53
p0 1508 ± 1.478
1700
1600
1500
1400
1300
1200
1100
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

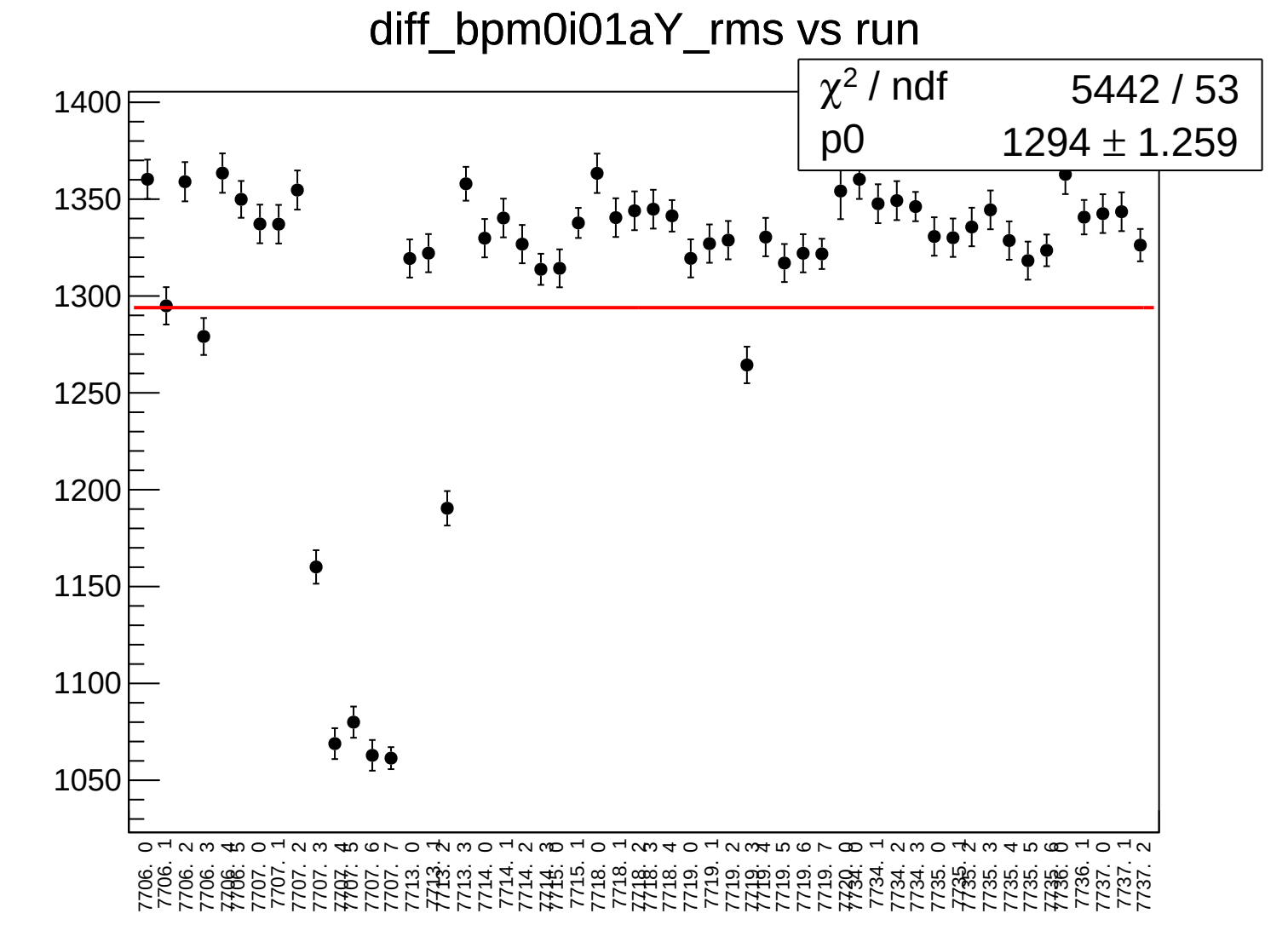

diff_bpm0i01aX_mean vs run
χ² / ndf 61.98 / 53
p0 35.2 ± 1.99
pull
Entries 54
Mean 235
Std Dev 0

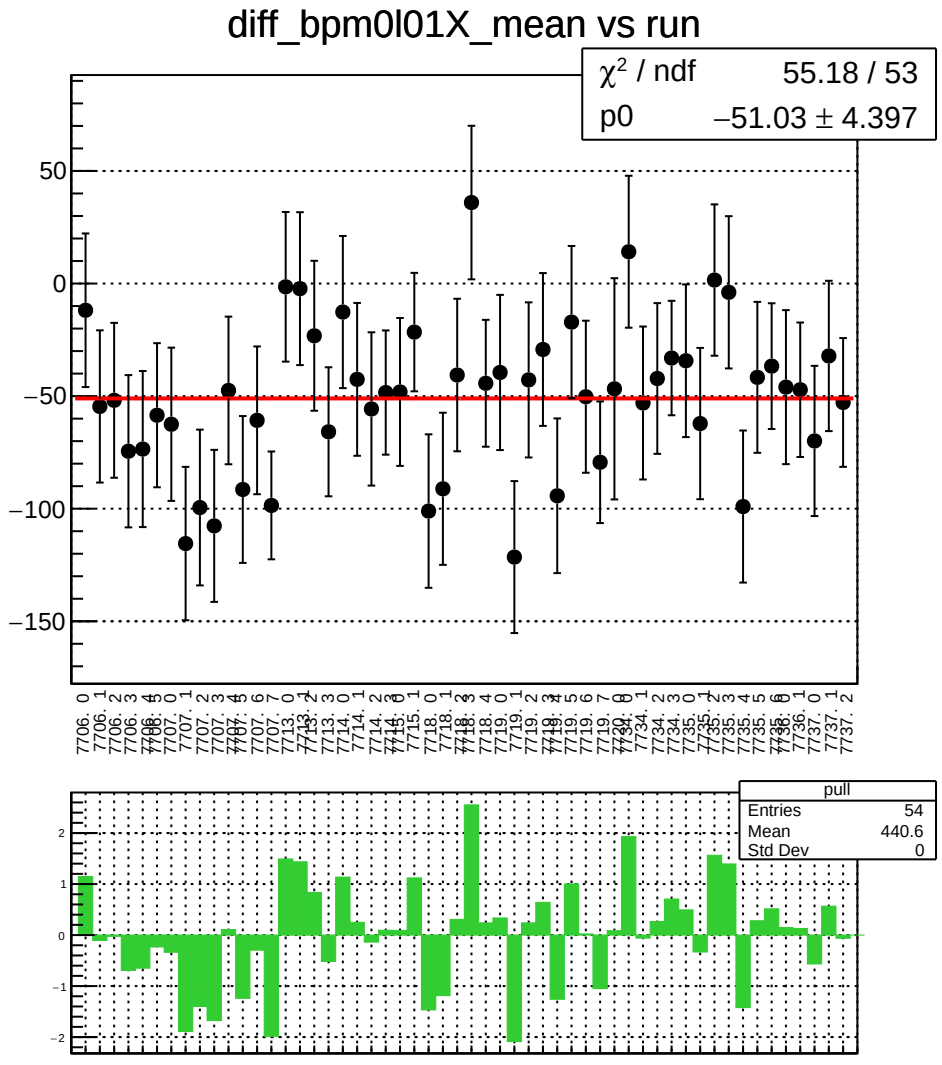

pull1D
Entries 54
Mean 0.0154
Std Dev 1.071

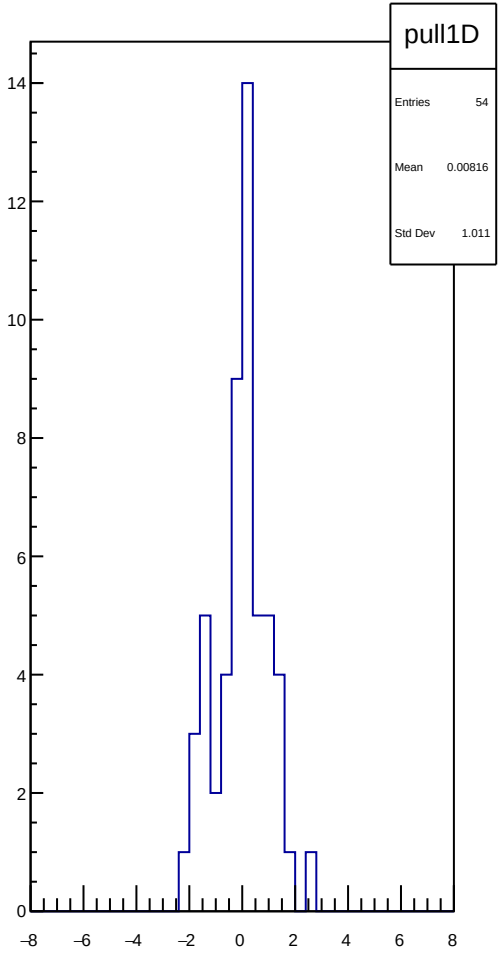

diff_bpm0i01aX_rms vs run
χ² / ndf 2.403e+04 / 53
p0 1434 ± 1.407
1600
1500
1400
1300
1200
1100
1000

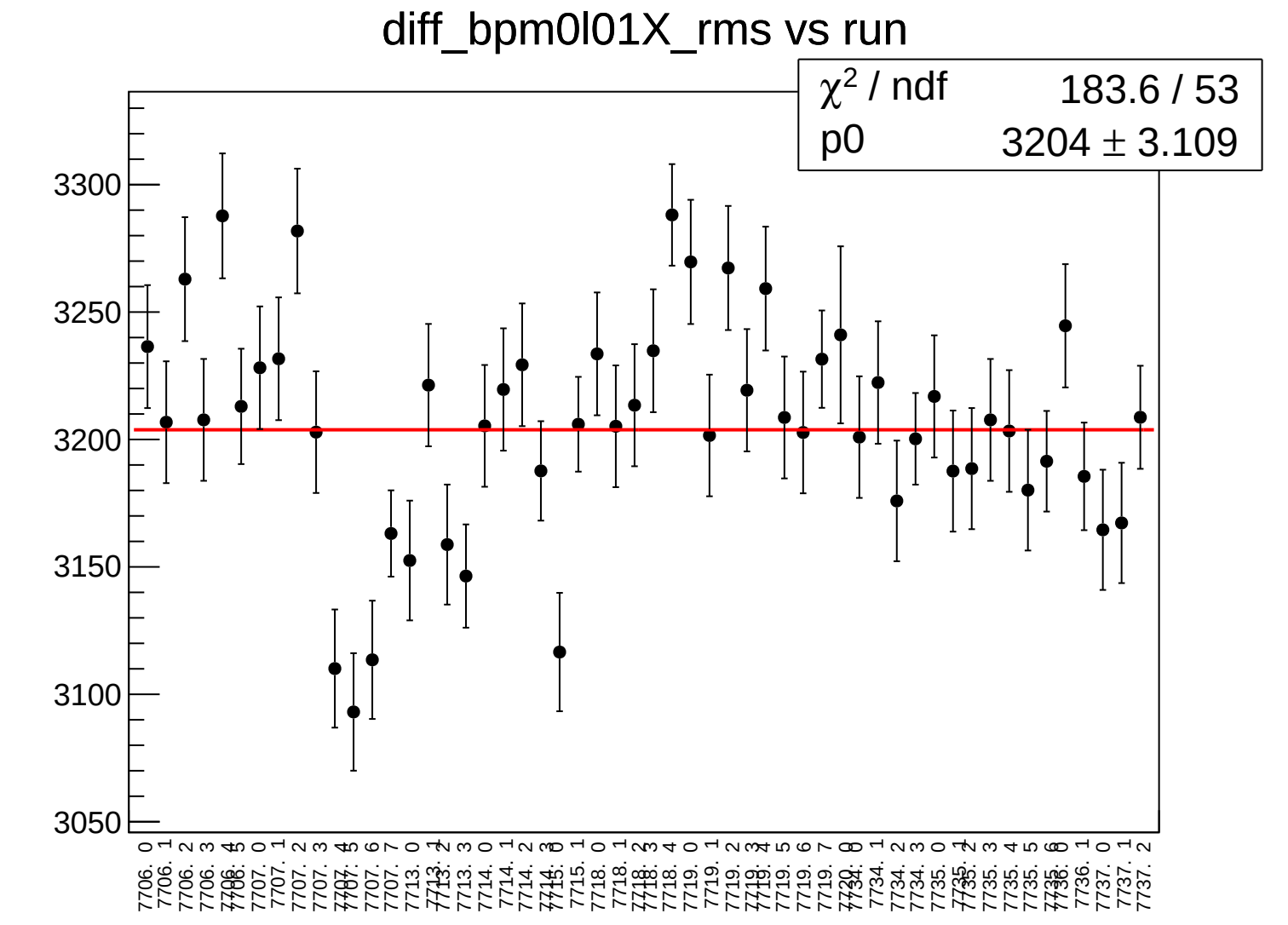

diff_bpm0i01aY_mean vs run
χ² / ndf 49.82 / 53
p0 20.88 ± 1.78
pull
Entries 54
Mean −123.1
Std Dev 0

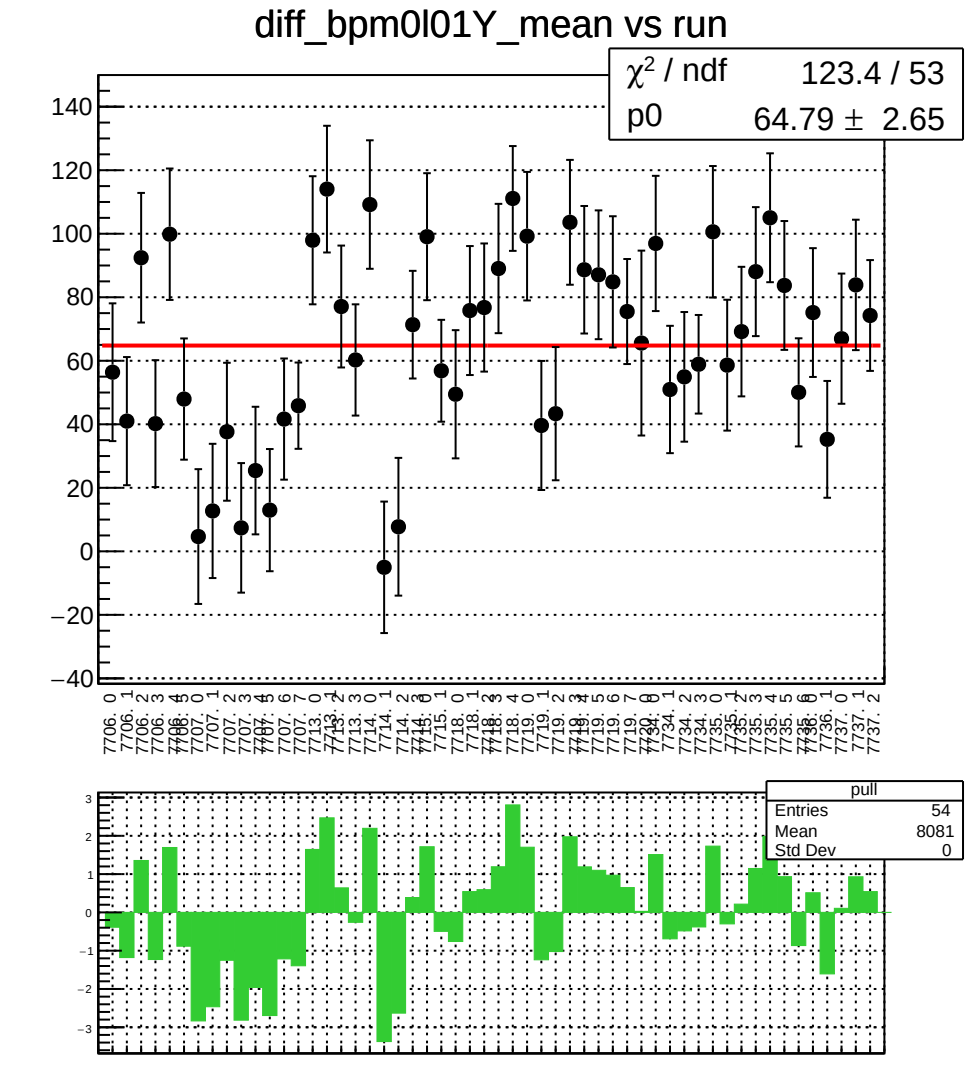

pull1D
Entries 54
Mean −0.01514
Std Dev 0.9604

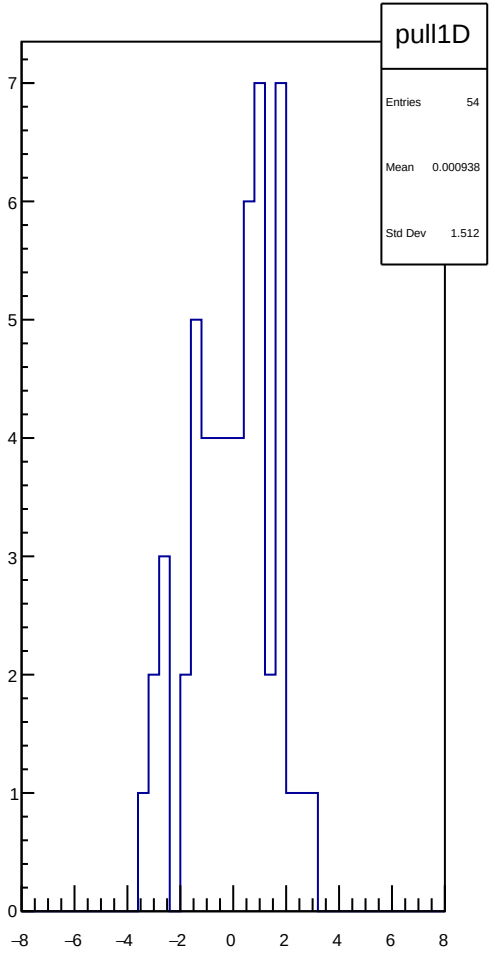

diff_bpm0i01aY_rms vs run
χ² / ndf 5442 / 53
p0 1294 ± 1.259
1400
1350
1300
1250
1200
1150
1100
1050

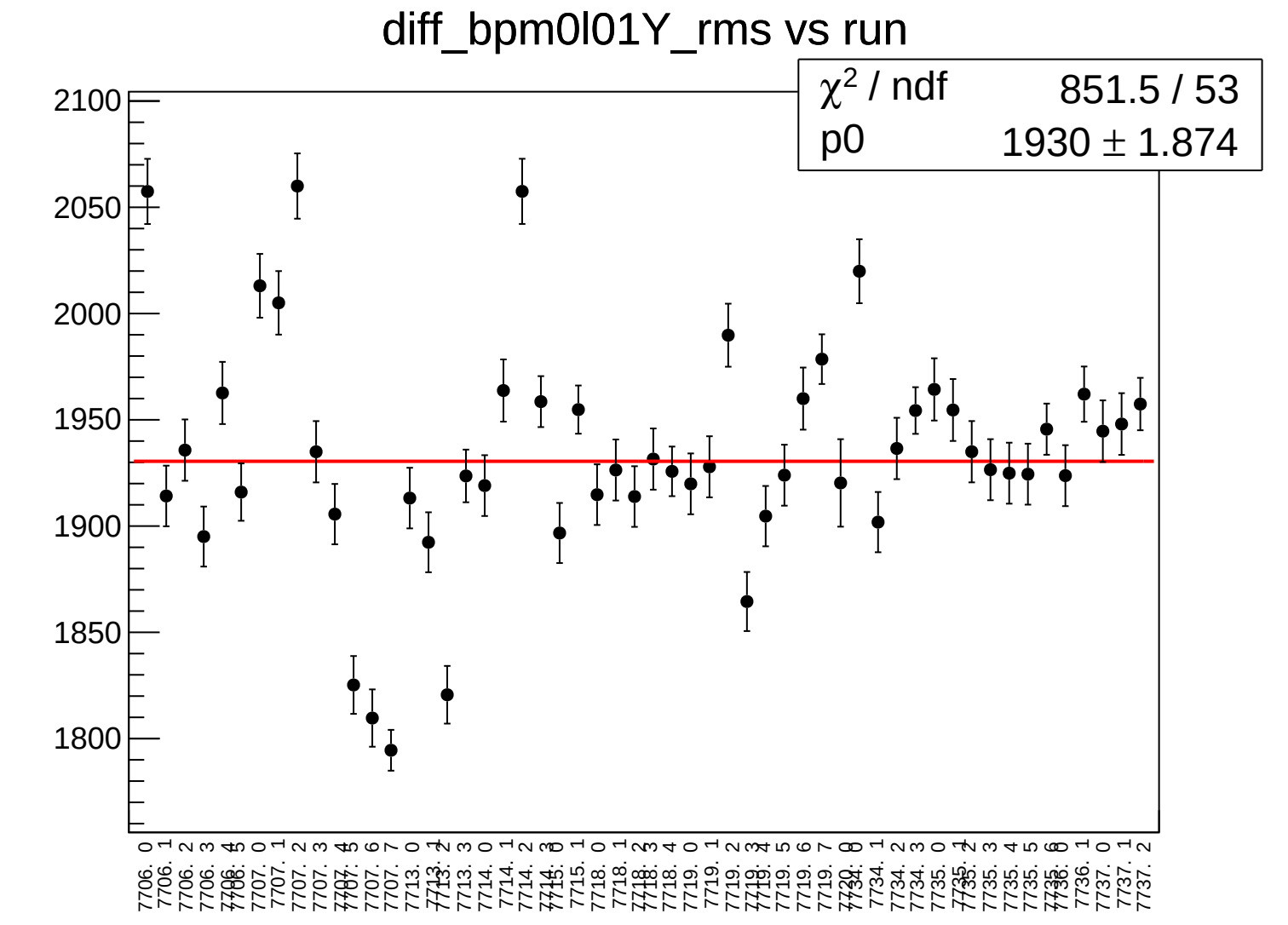

diff_bpm0l01X_mean vs run
χ² / ndf 55.18 / 53
p0 −51.03 ± 4.397
50
0
−50
−100
−150
pull
Entries 54
Mean 440.6
Std Dev 0
2
1
0
−1
−2

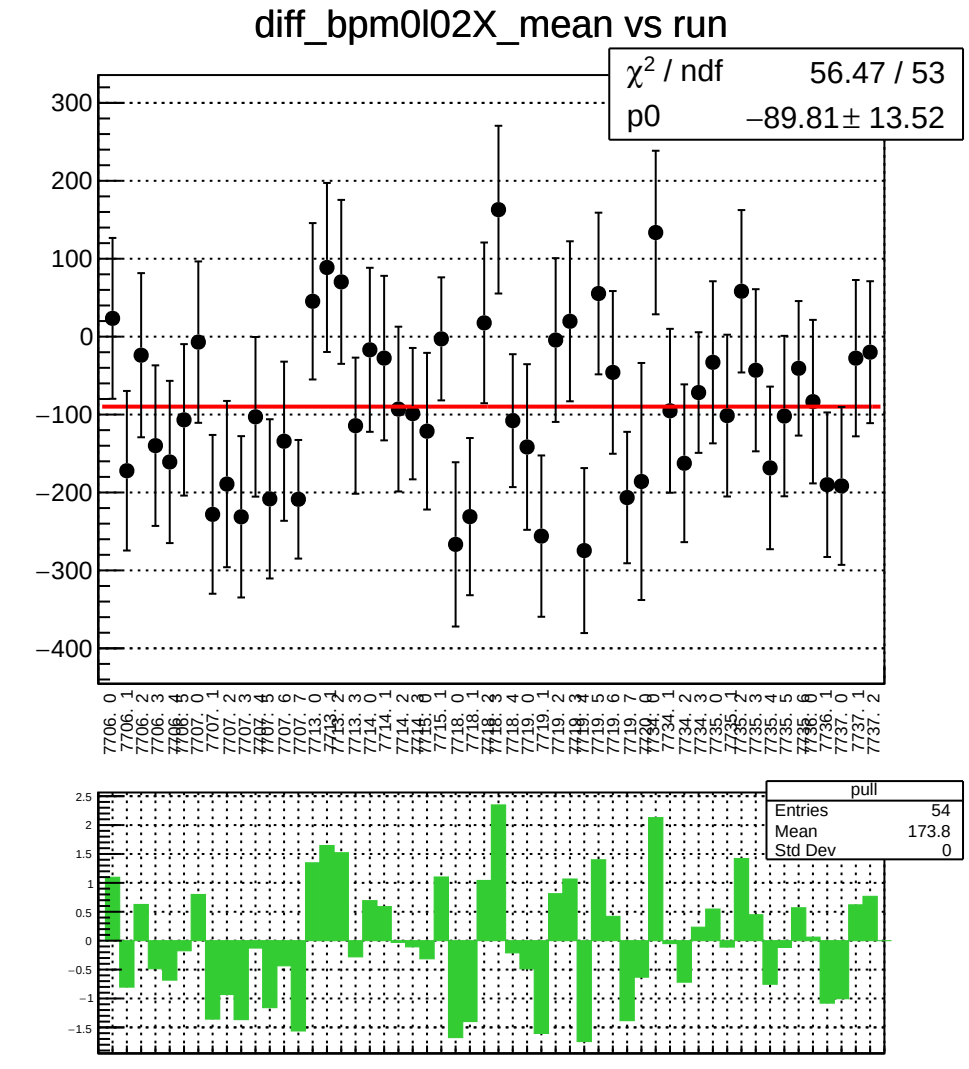

pull1D
Entries 54
Mean 0.00816
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

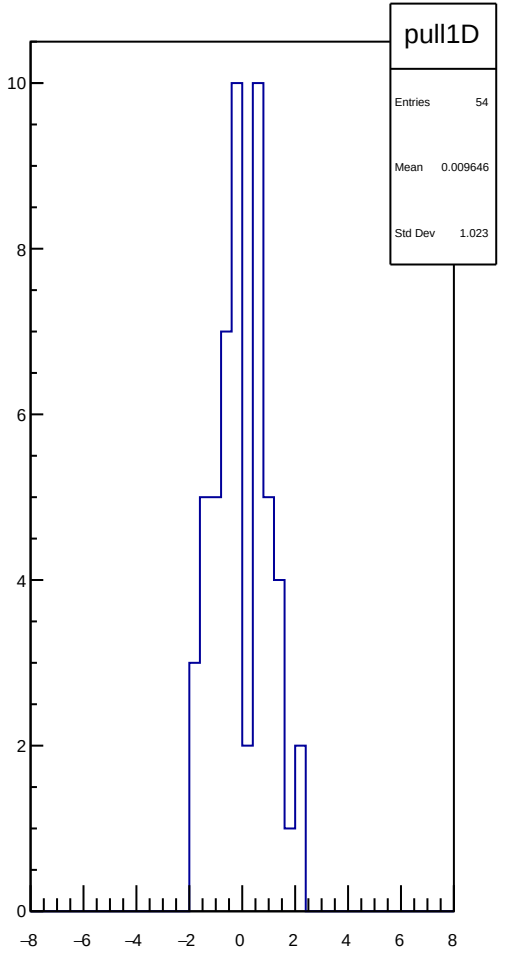

diff_bpm0l01X_rms vs run
χ² / ndf 183.6 / 53
p0 3204 ± 3.109
3300
3250
3200
3150
3100
3050

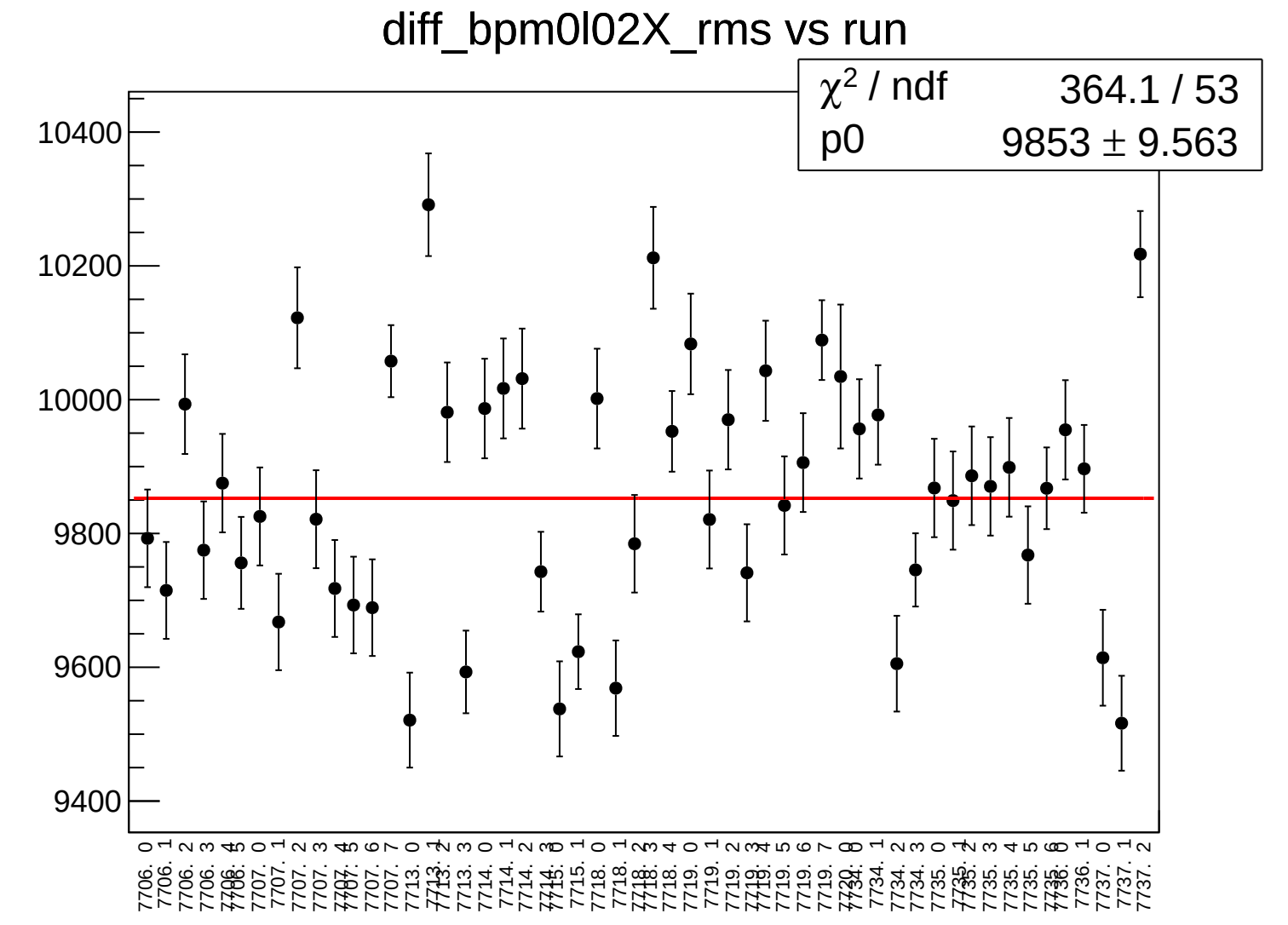

diff_bpm0l01Y_mean vs run
χ² / ndf 123.4 / 53
p0 64.79 ± 2.65
pull
Entries 54
Mean 8081
Std Dev 0

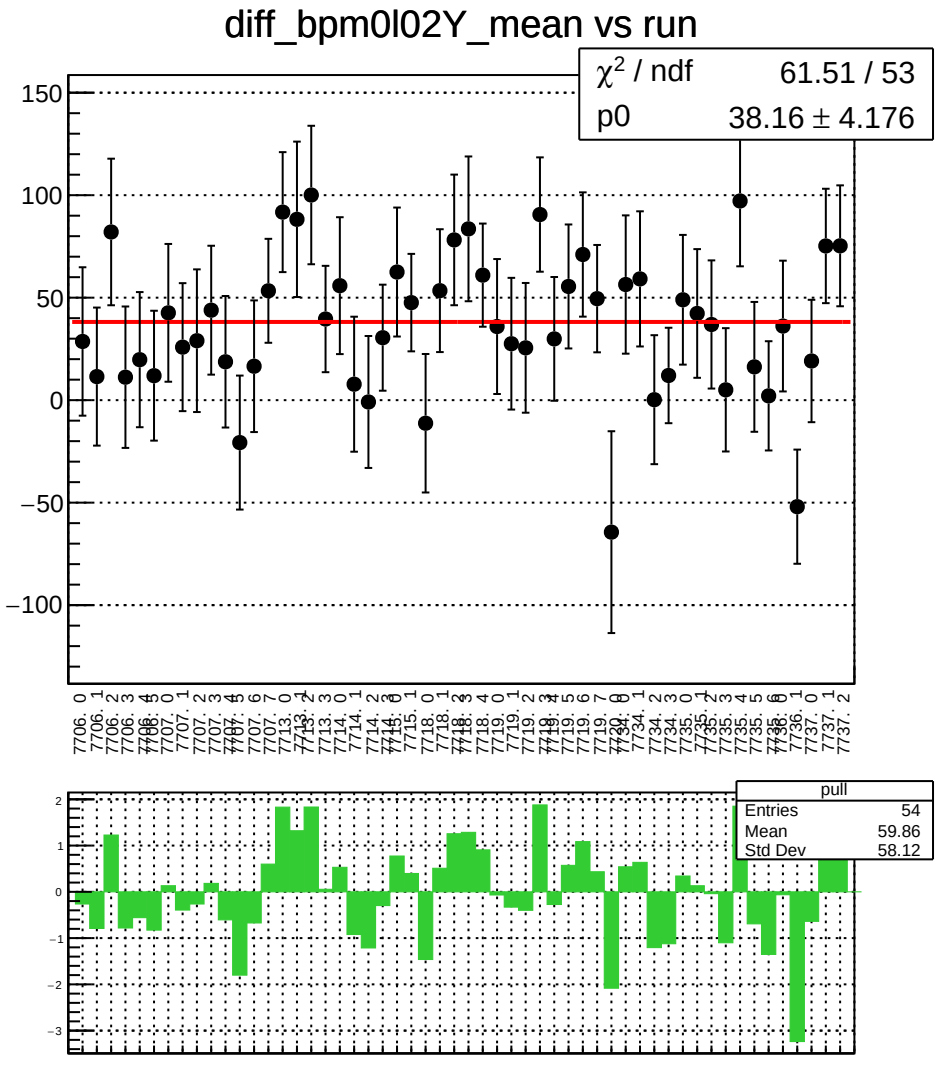

pull1D
Entries 54
Mean 0.000938
Std Dev 1.512

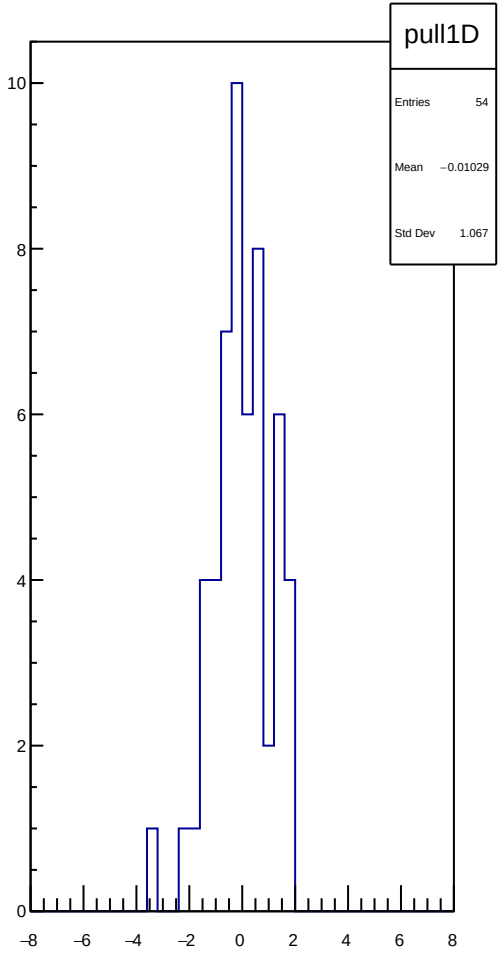

diff_bpm0l01Y_rms vs run
χ² / ndf 851.5 / 53
p0 1930 ± 1.874
2100
2050
2000
1950
1900
1850
1800

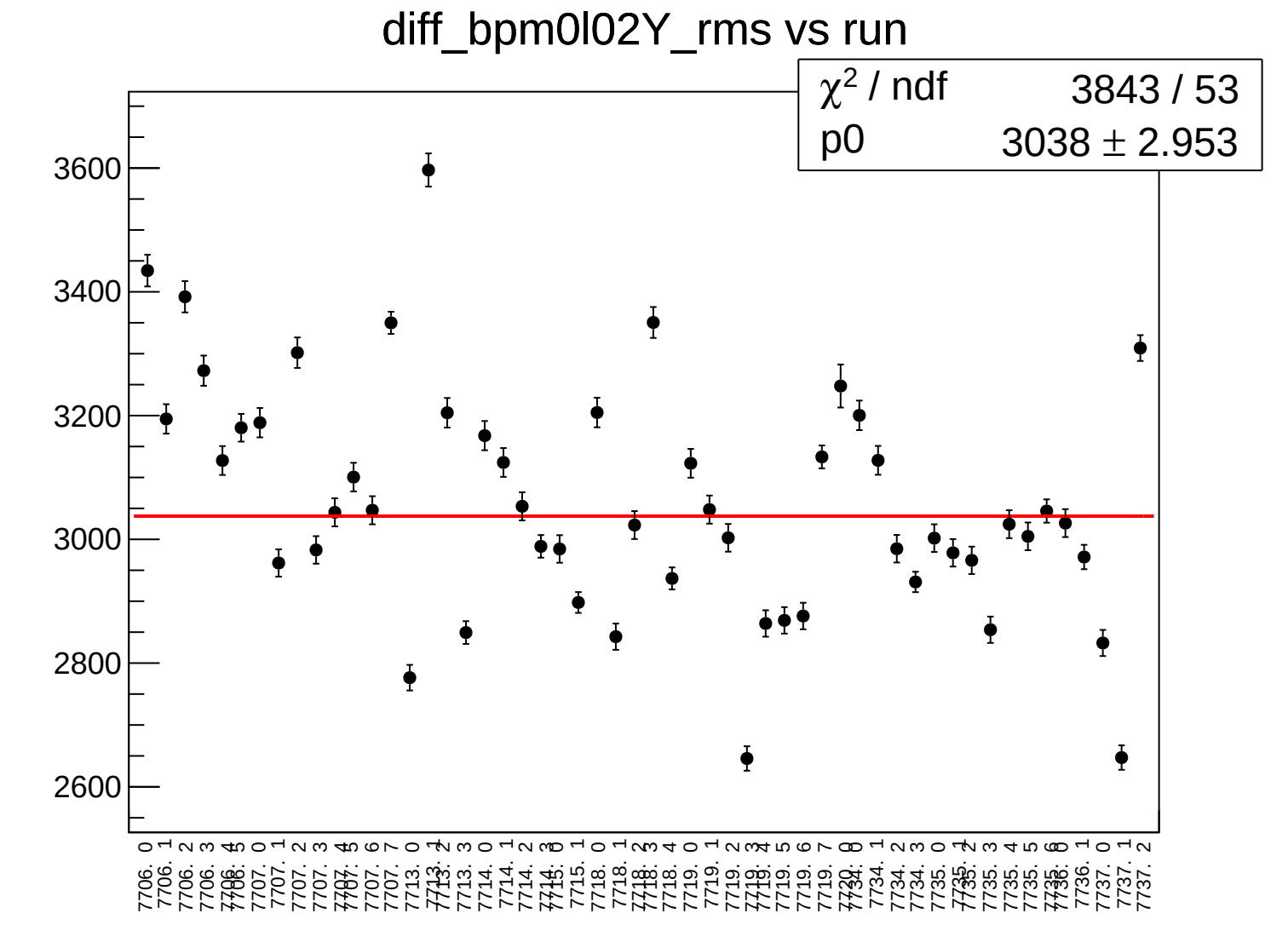

diff_bpm0l02X_mean vs run
χ² / ndf 56.47 / 53
p0 −89.81 ± 13.52
pull
Entries 54
Mean 173.8
Std Dev 0

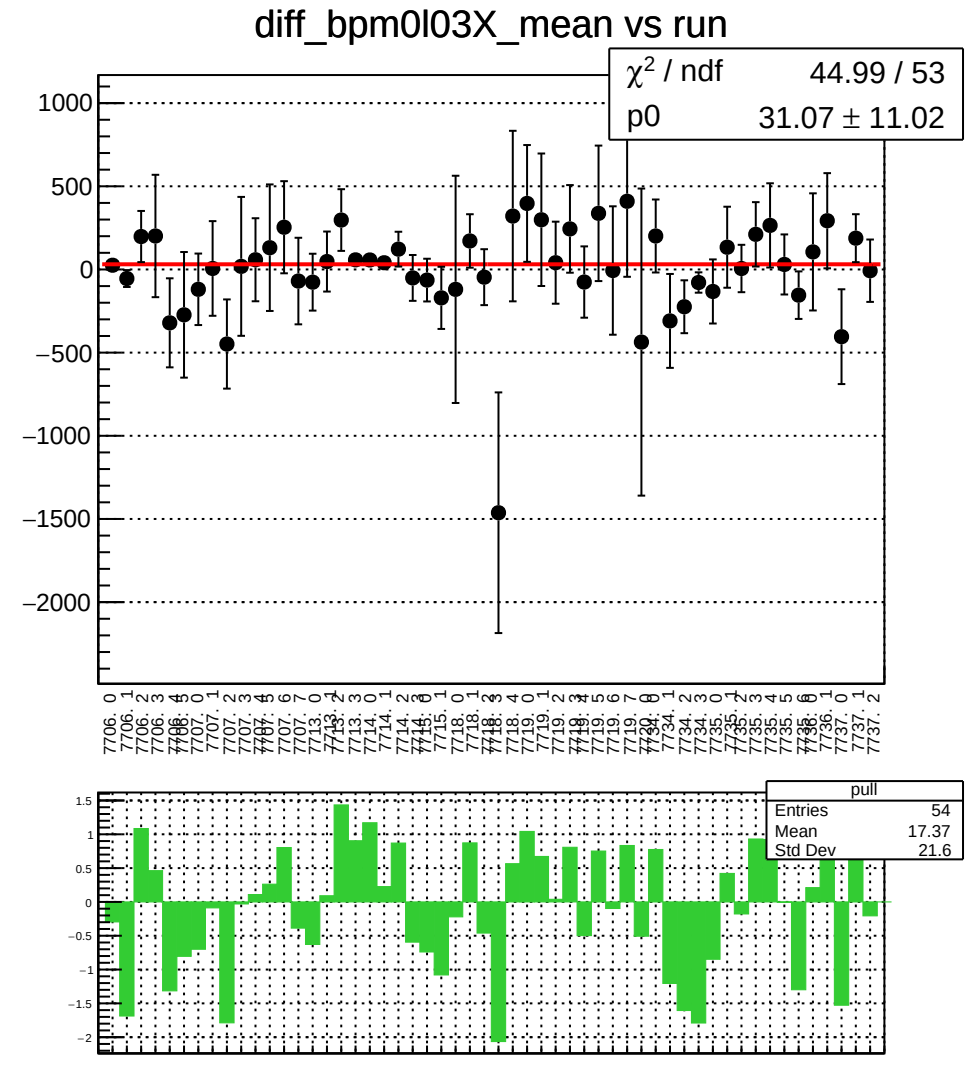

pull1D
Entries 54
Mean 0.009646
Std Dev 1.023

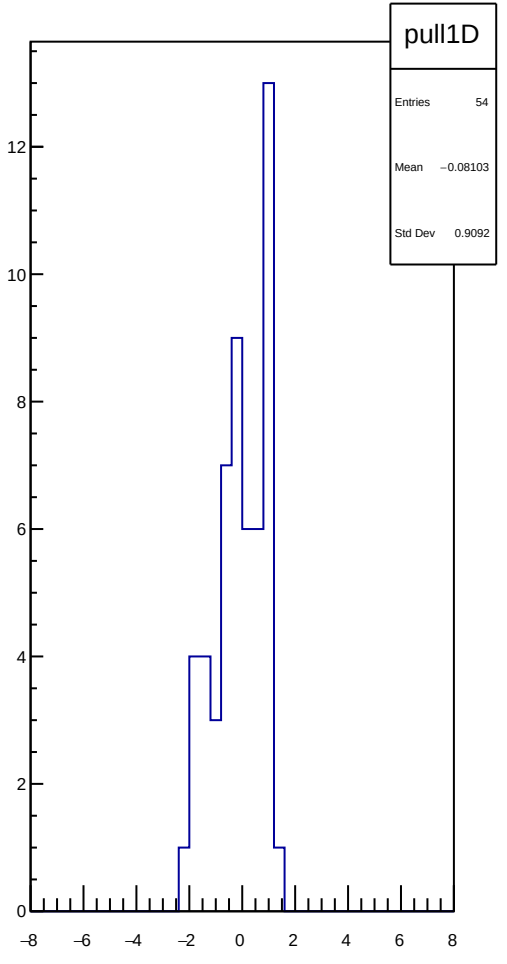

diff_bpm0l02X_rms vs run
χ² / ndf 364.1 / 53
p0 9853 ± 9.563
10400
10200
10000
9800
9600
9400

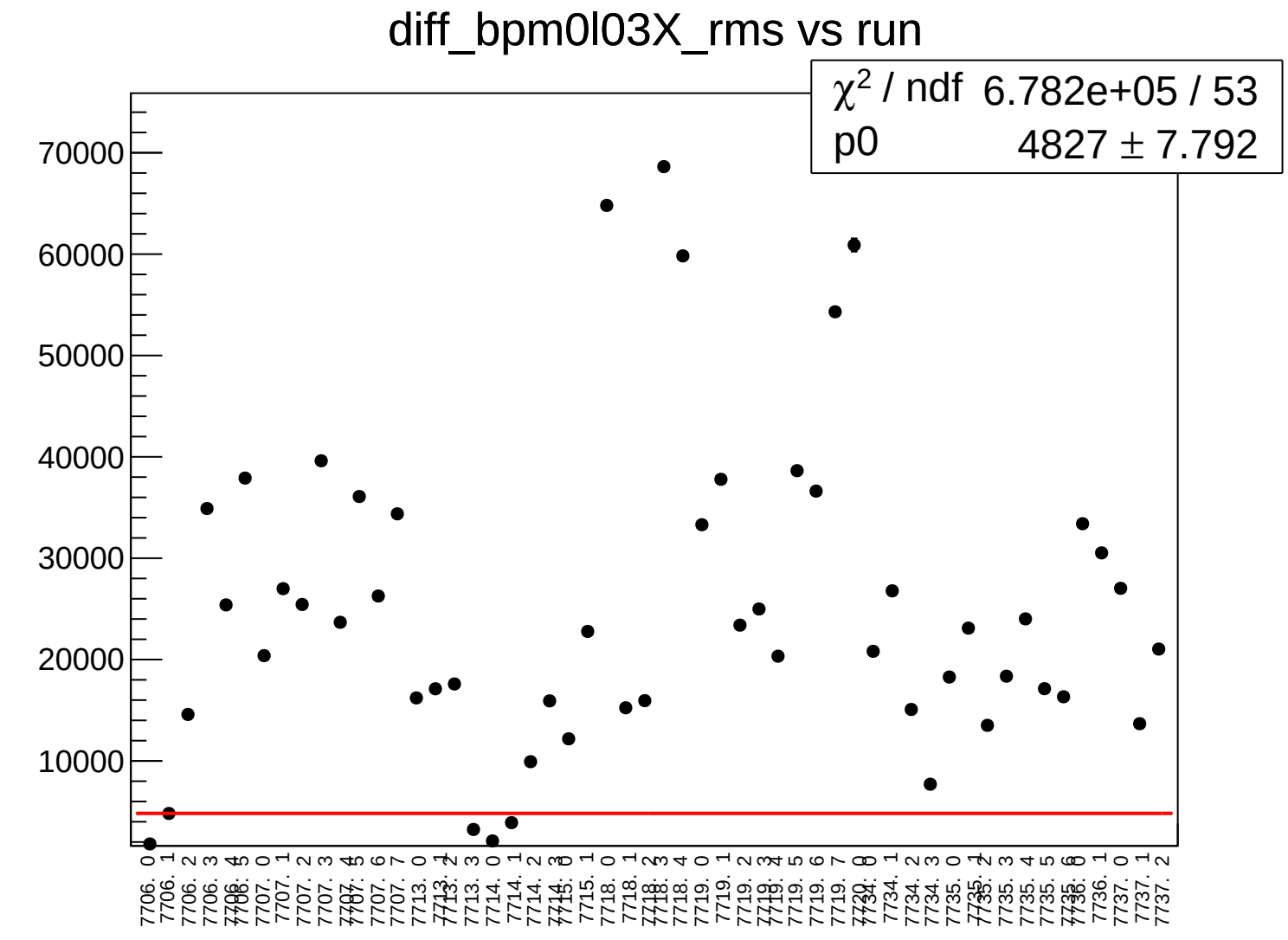

diff_bpm0l02Y_mean vs run
χ² / ndf 61.51 / 53
p0 38.16 ± 4.176
150
100
50
0
−50
−100
pull
Entries 54
Mean 59.86
Std Dev 58.12
2
1
0
−1
−2
−3

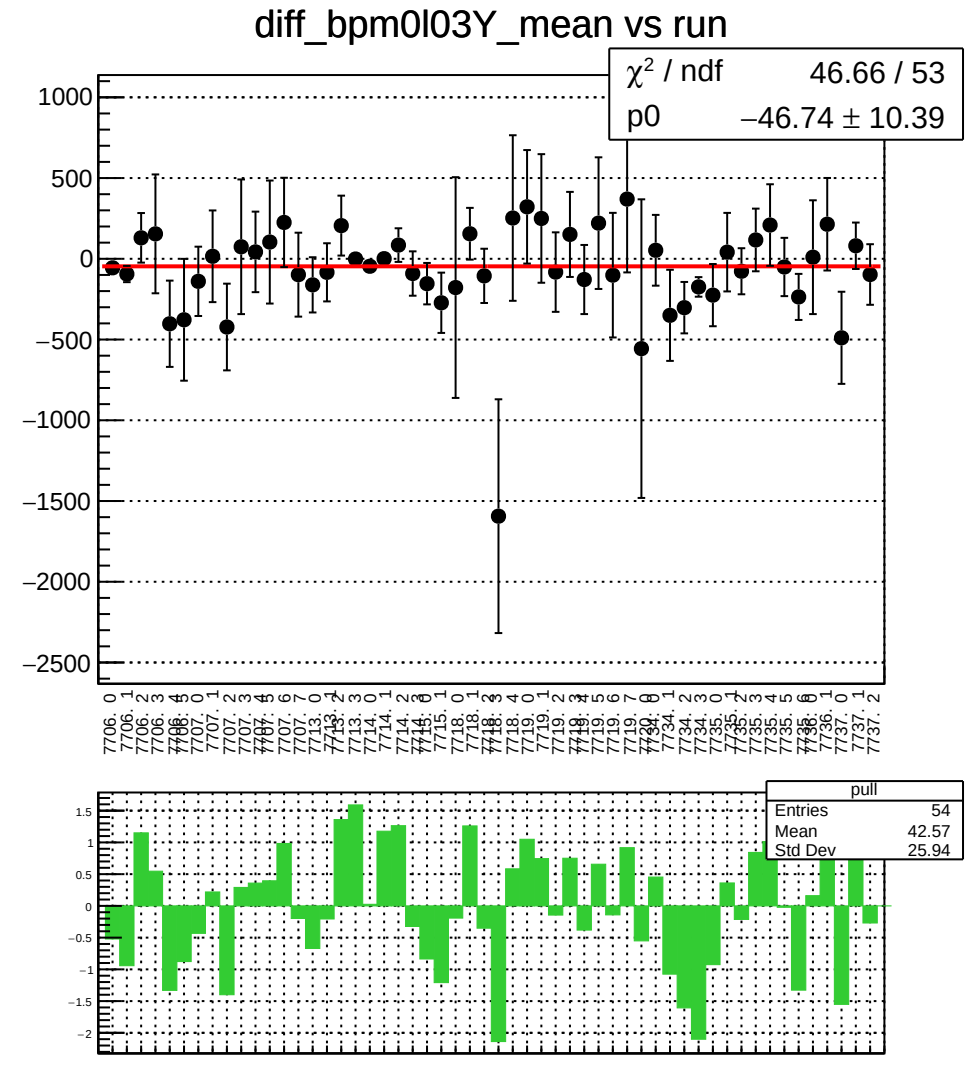

pull1D
Entries 54
Mean −0.01029
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

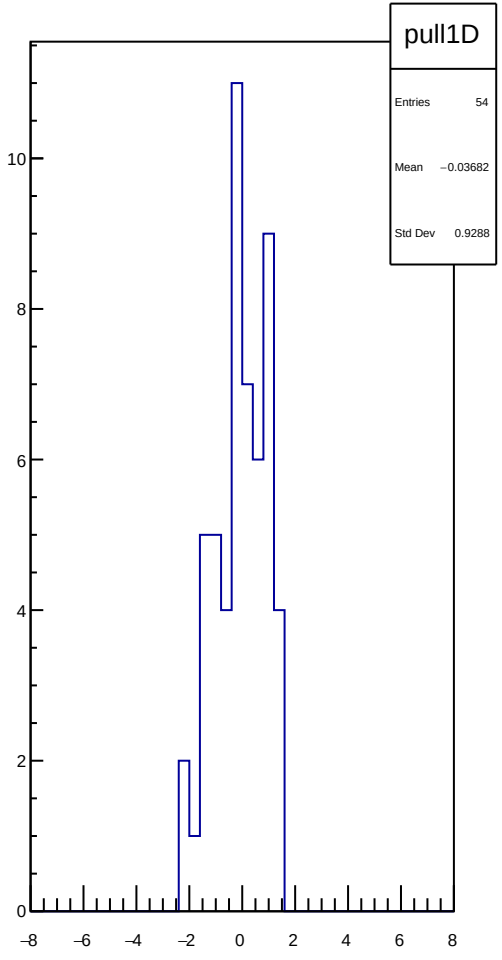

diff_bpm0l02Y_rms vs run
χ² / ndf 3843 / 53
p0 3038 ± 2.953
3600
3400
3200
3000
2800
2600

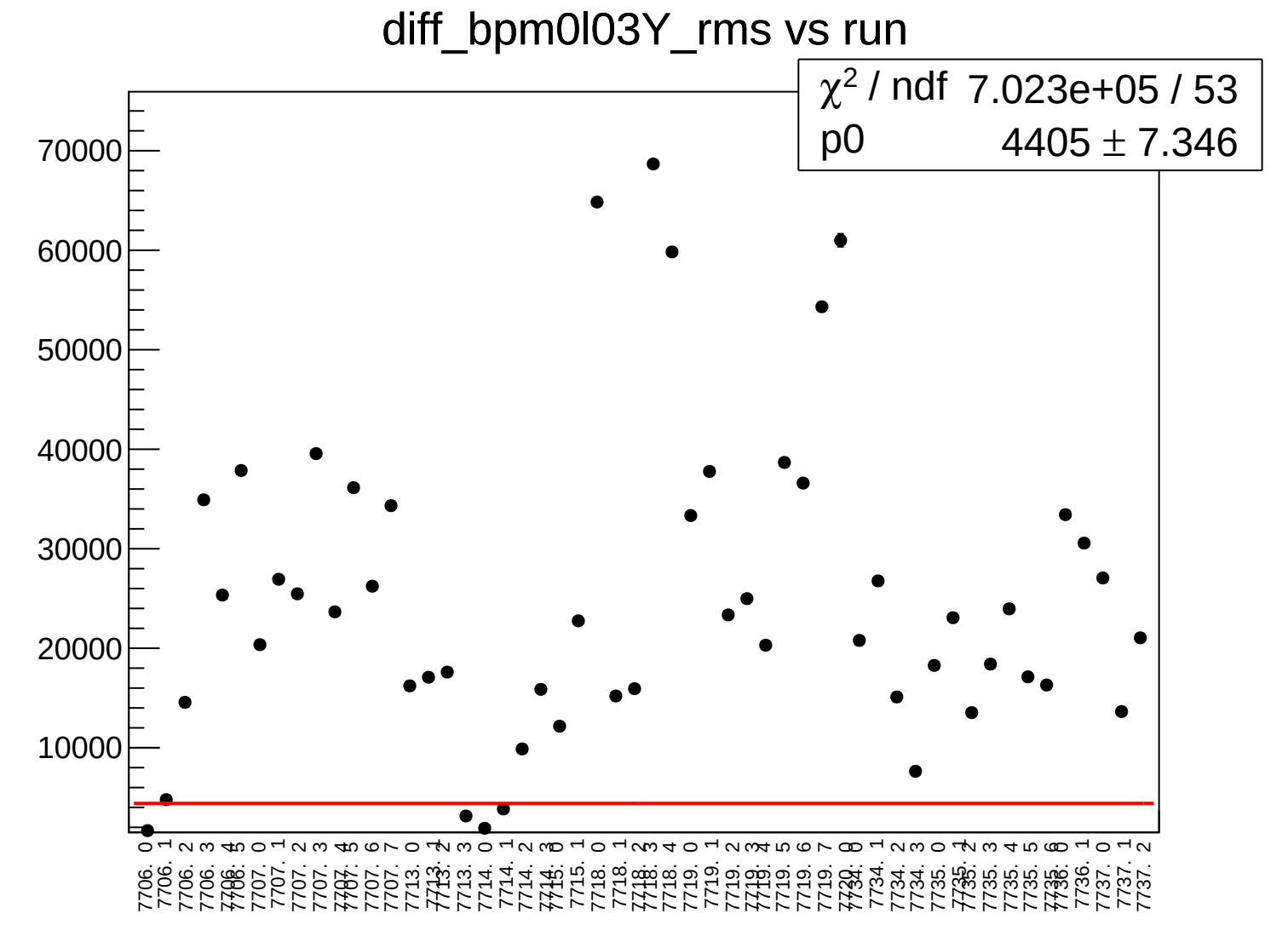

diff_bpm0l03X_mean vs run
χ² / ndf 44.99 / 53
p0 31.07 ± 11.02
pull
Entries 54
Mean 17.37
Std Dev 21.6

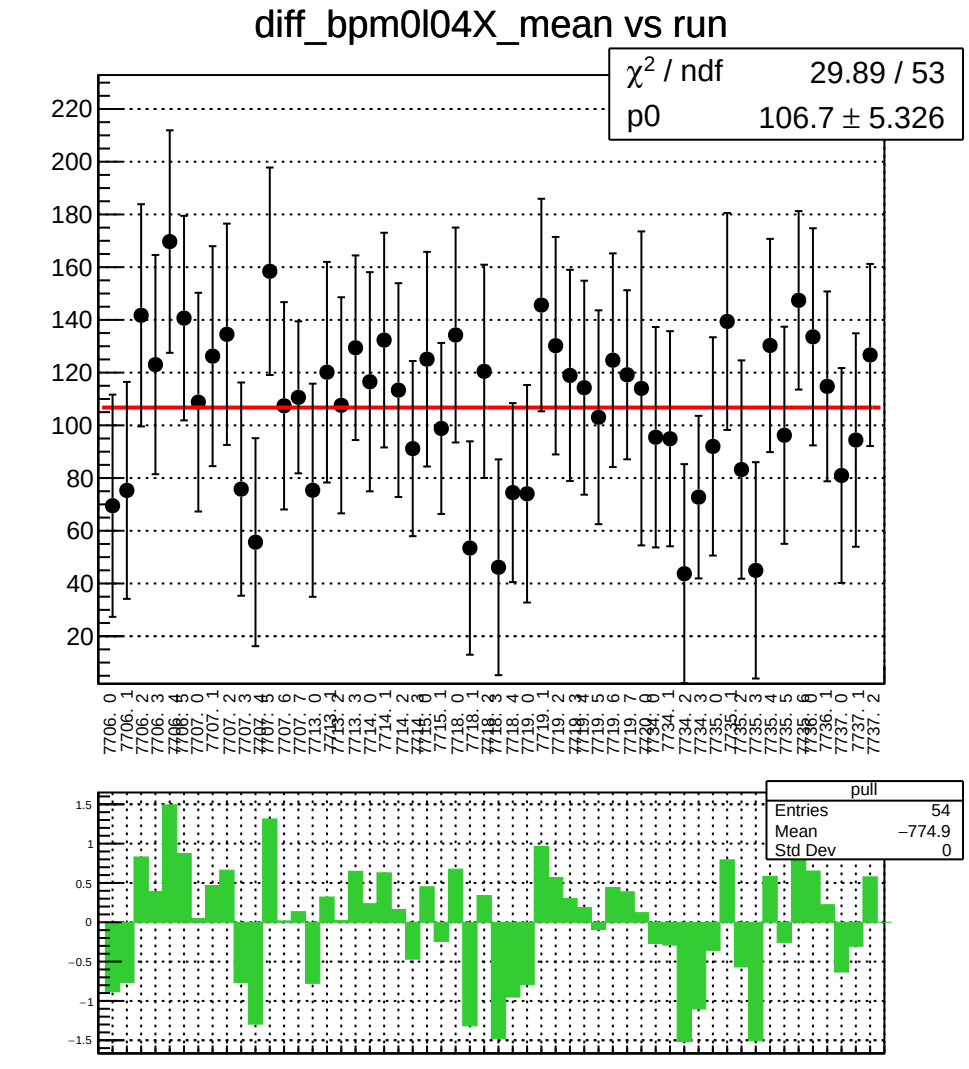

pull1D
Entries 54
Mean −0.08103
Std Dev 0.9092

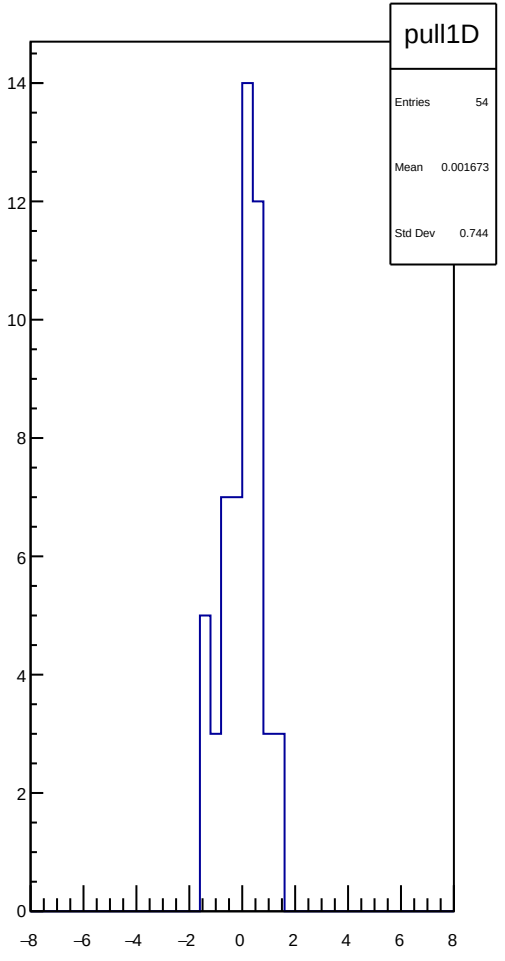

diff_bpm0l03X_rms vs run
χ^2 / ndf 6.782e+05 / 53
p0 4827 ± 7.792
70000
60000
50000
40000
30000
20000
10000

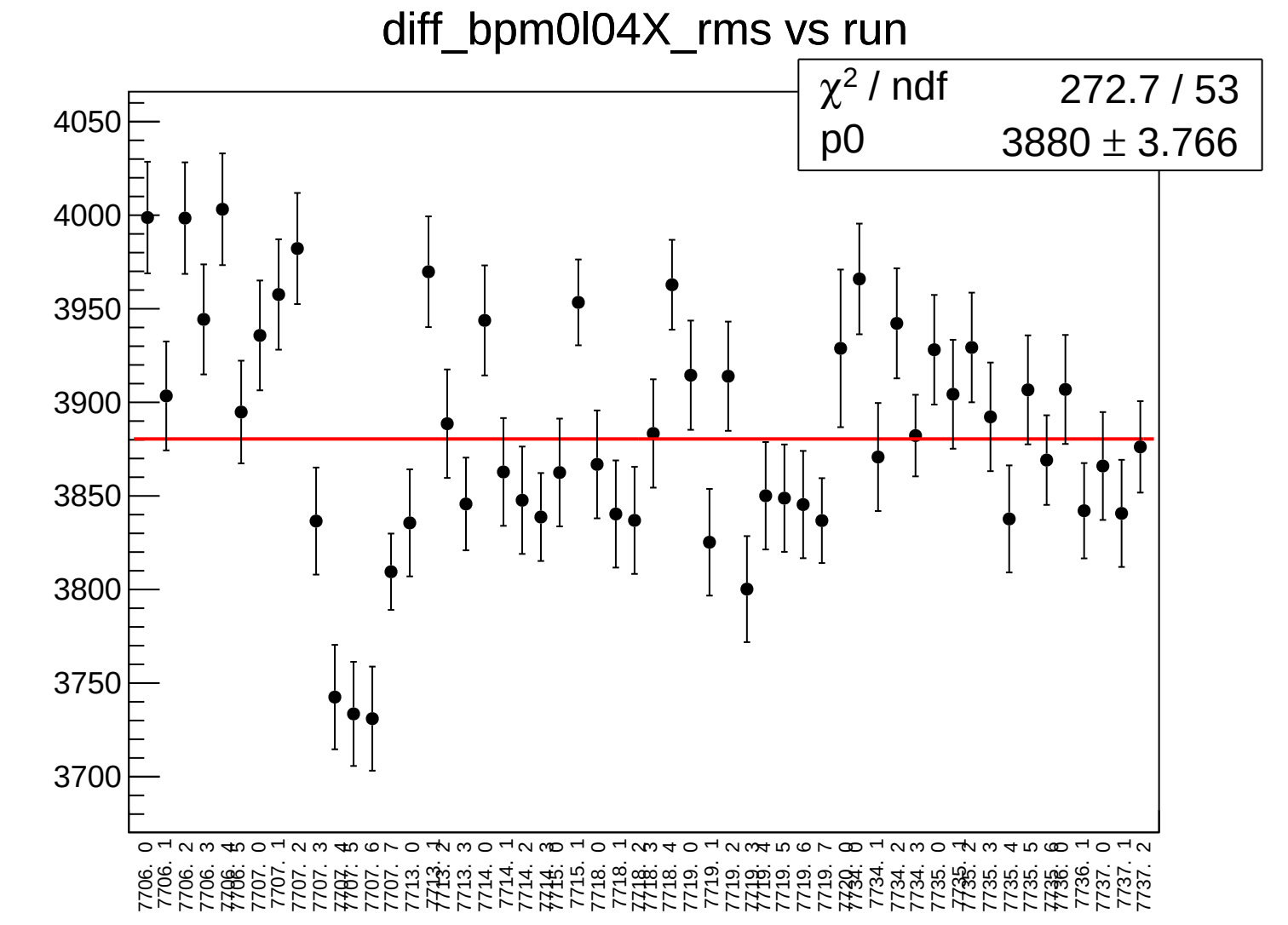

diff_bpm0l03Y_mean vs run
χ² / ndf 46.66 / 53
p0 −46.74 ± 10.39
pull
Entries 54
Mean 42.57
Std Dev 25.94

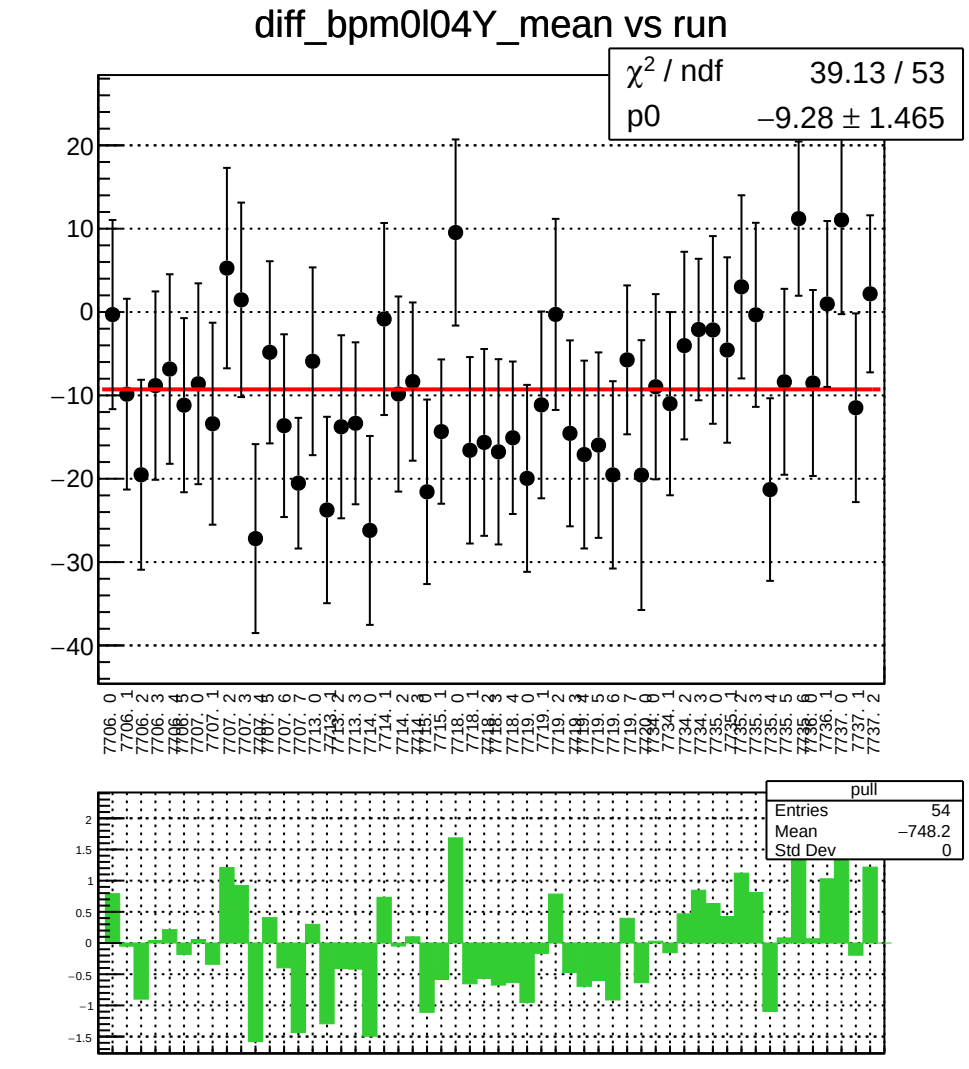

pull1D
Entries 54
Mean −0.03682
Std Dev 0.9288

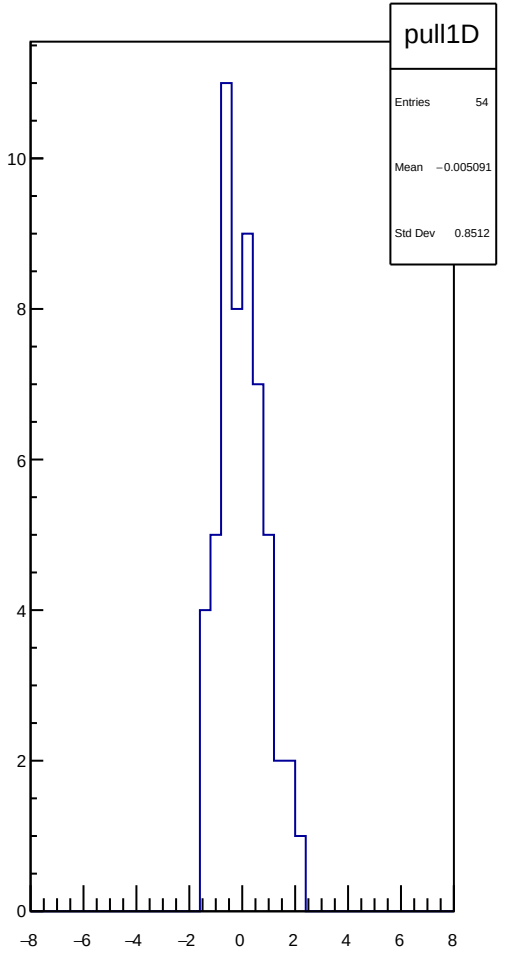

diff_bpm0l03Y_rms vs run
χ² / ndf 7.023e+05 / 53
p0 4405 ± 7.346
70000
60000
50000
40000
30000
20000
10000

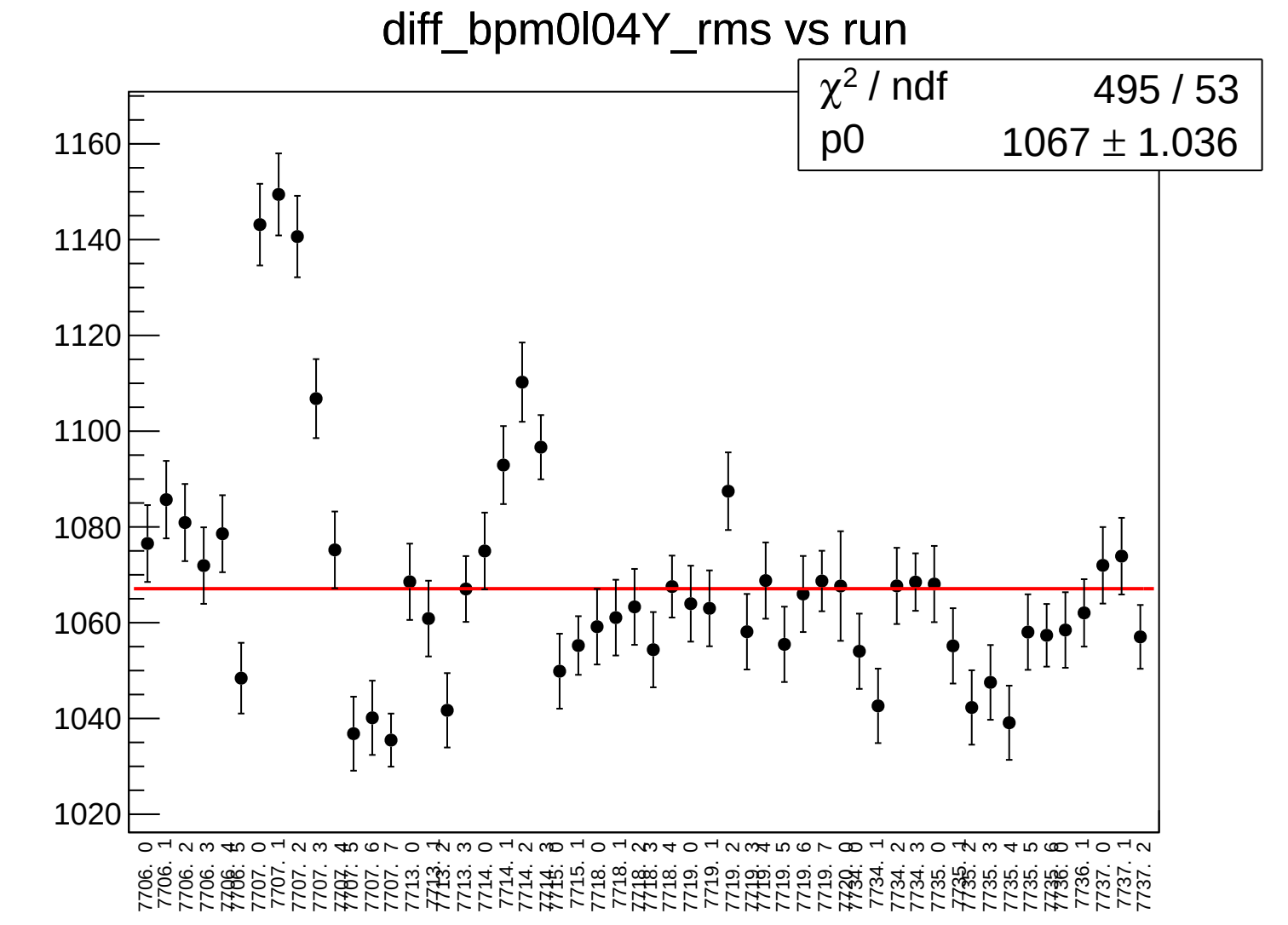

diff_bpm0l04X_mean vs run
χ^2 / ndf 29.89 / 53
p0 106.7 ± 5.326
pull
Entries 54
Mean −774.9
Std Dev 0

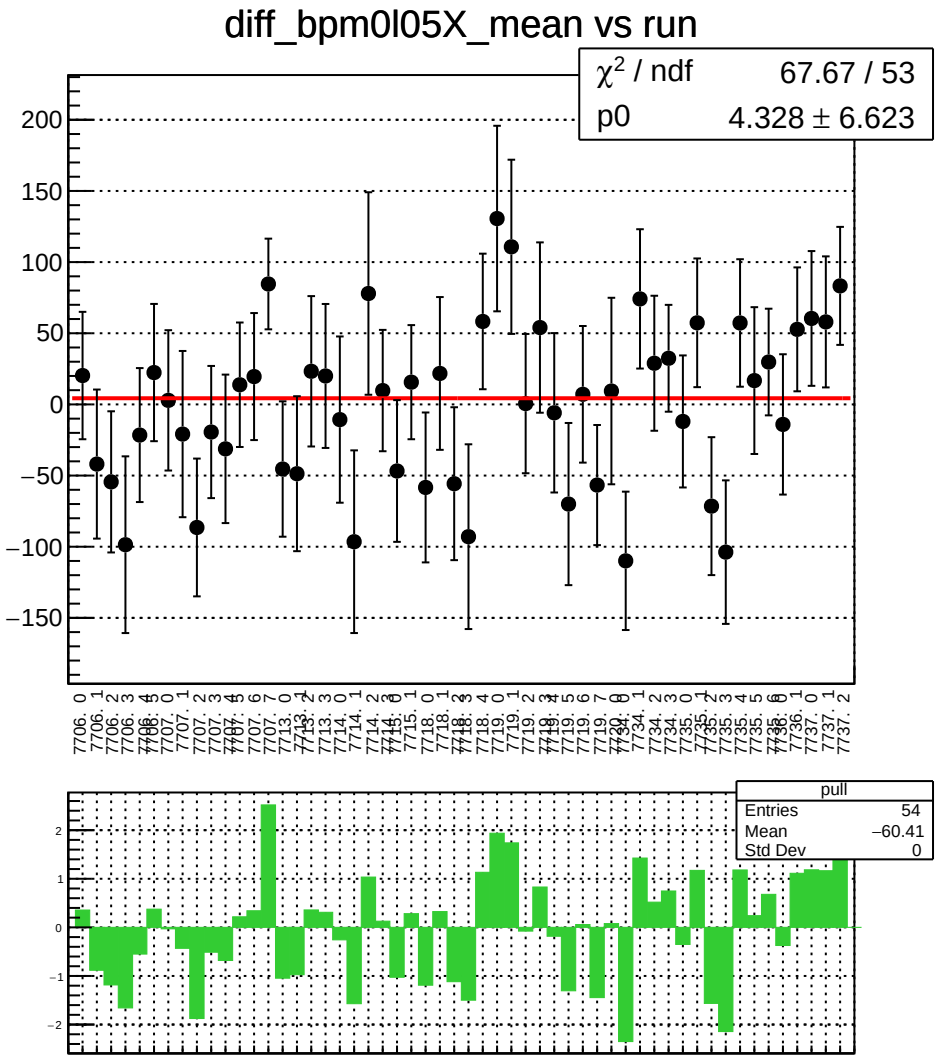

pull1D
Entries 54
Mean 0.001673
Std Dev 0.744

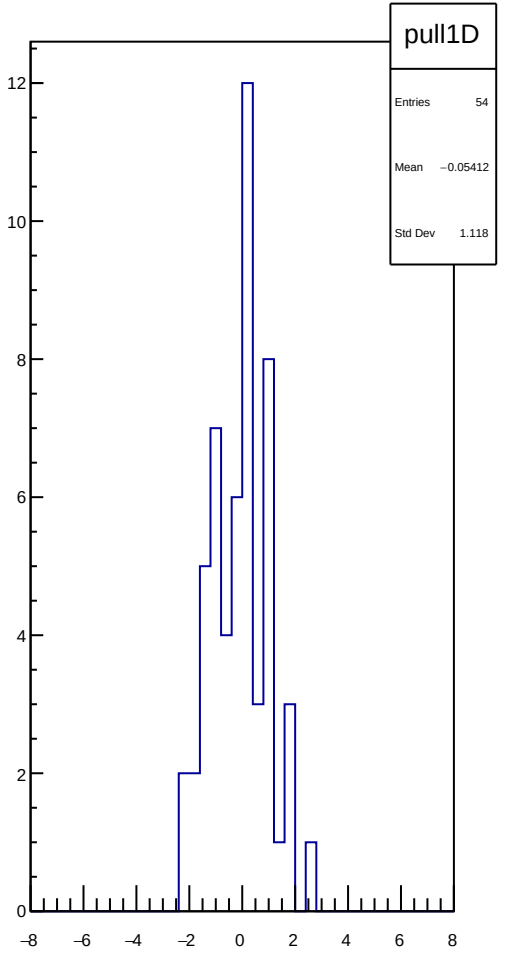

diff_bpm0l04X_rms vs run
χ² / ndf 272.7 / 53
p0 3880 ± 3.766
4050
4000
3950
3900
3850
3800
3750
3700

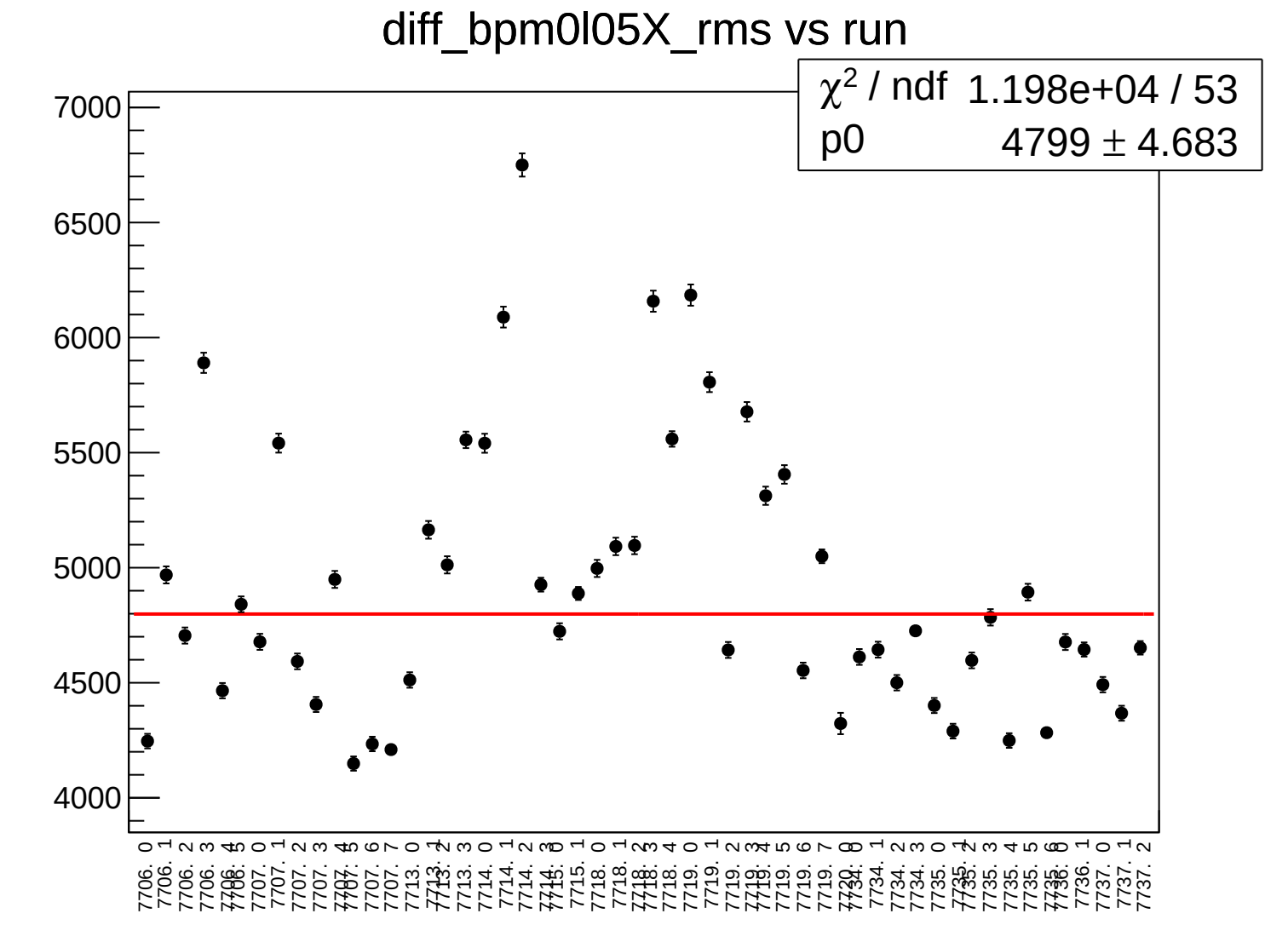

diff_bpm0l04Y_mean vs run
χ² / ndf 39.13 / 53
p0 −9.28 ± 1.465
pull
Entries 54
Mean −748.2
Std Dev 0

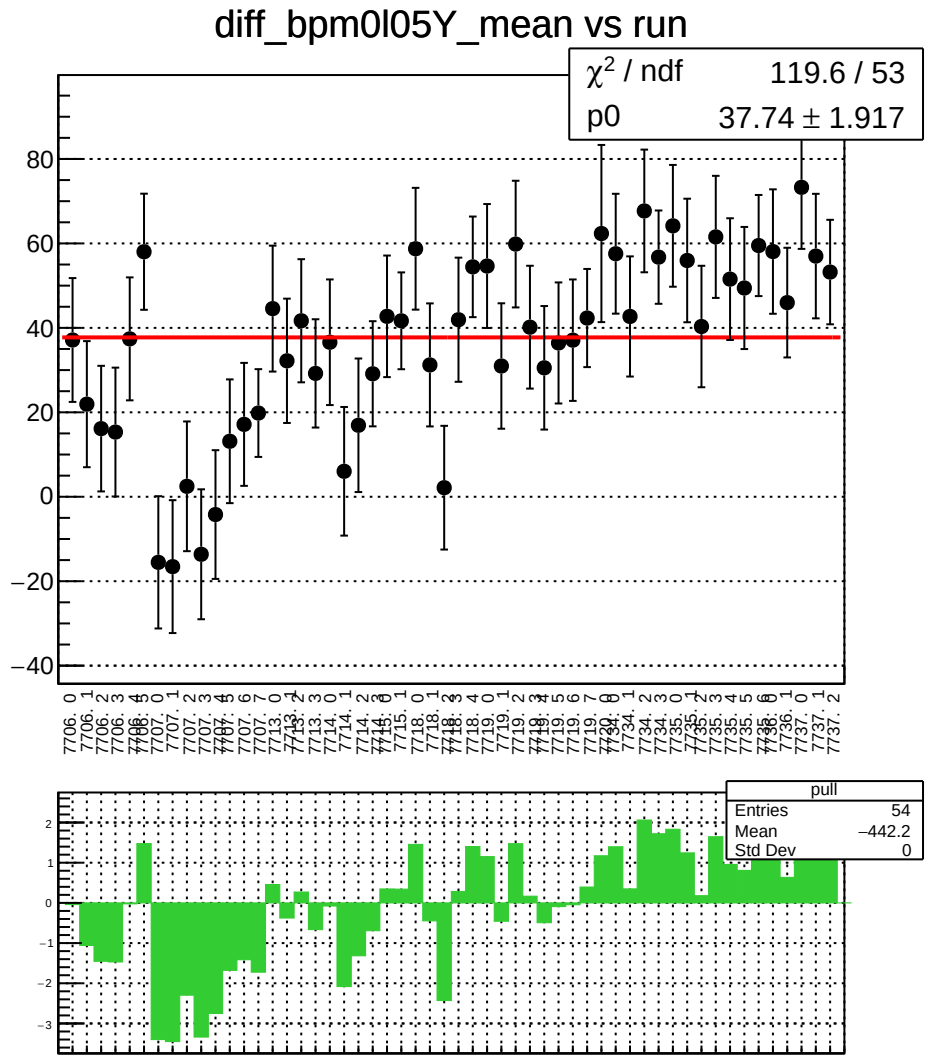

pull1D
Entries 54
Mean −0.005091
Std Dev 0.8512

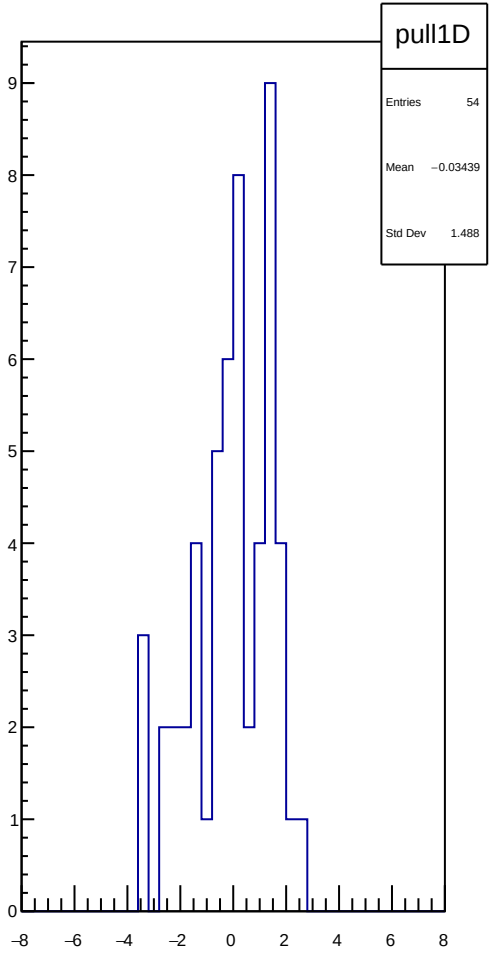

diff_bpm0l04Y_rms vs run
χ² / ndf 495 / 53
p0 1067 ± 1.036
1160
1140
1120
1100
1080
1060
1040
1020
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

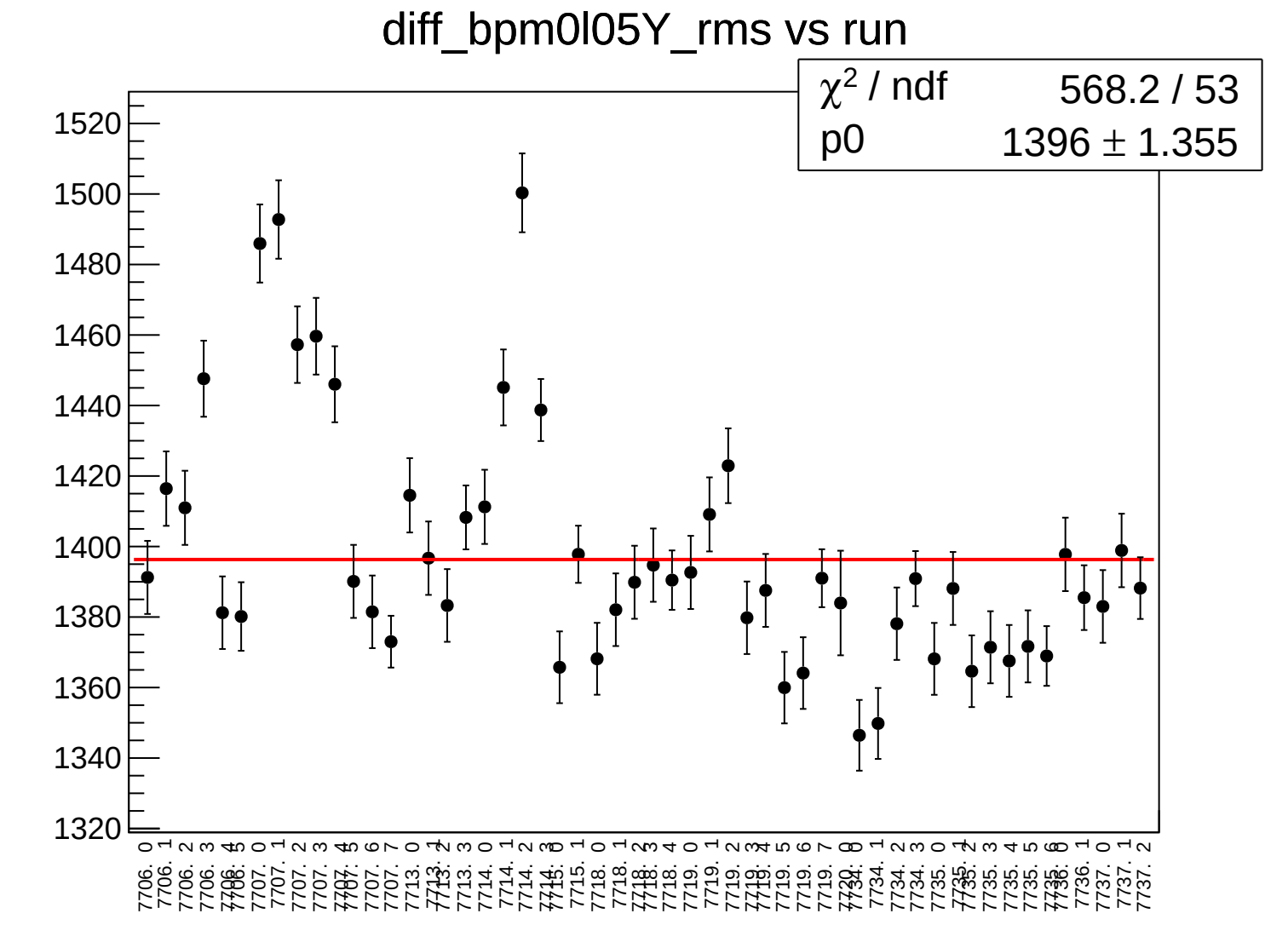

diff_bpm0l05X_mean vs run
χ^2 / ndf 67.67 / 53
p0 4.328 ± 6.623
pull
Entries 54
Mean −60.41
Std Dev 0

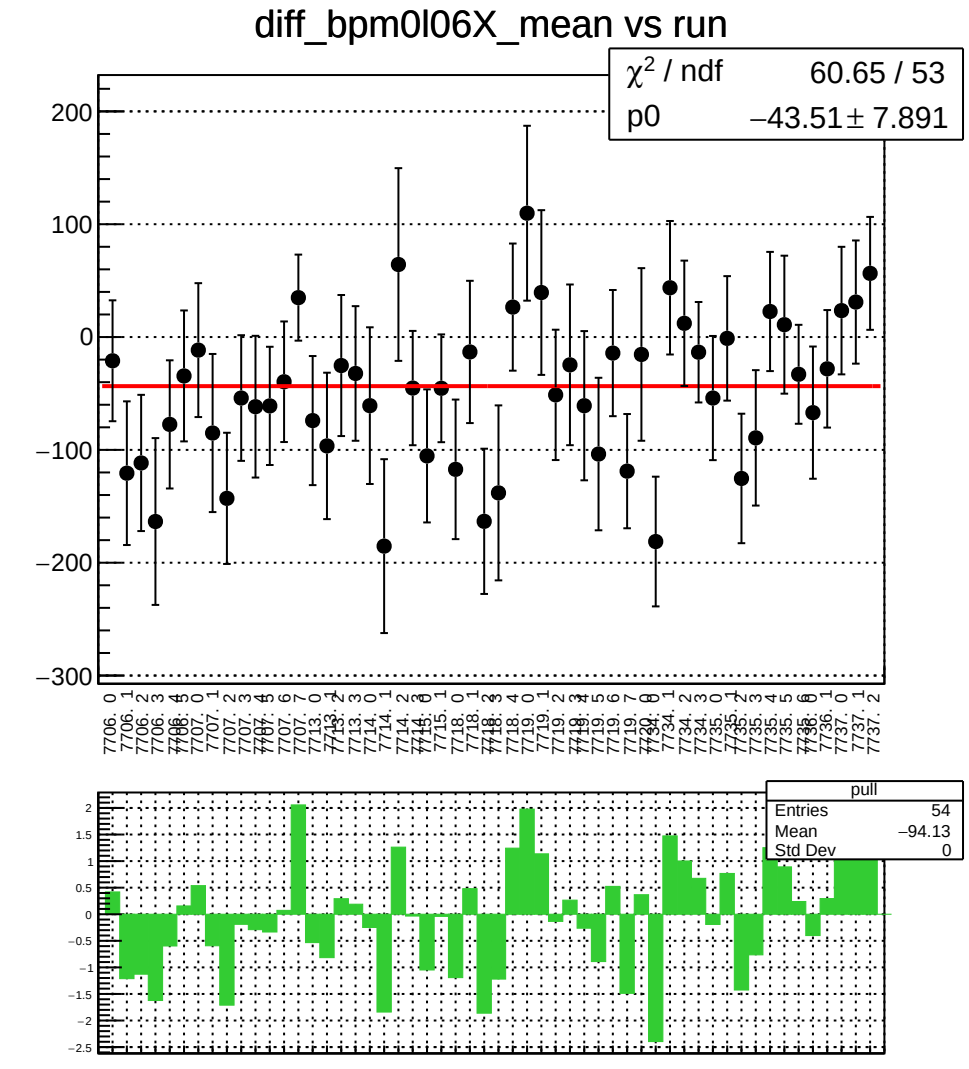

pull1D
Entries 54
Mean −0.05412
Std Dev 1.118

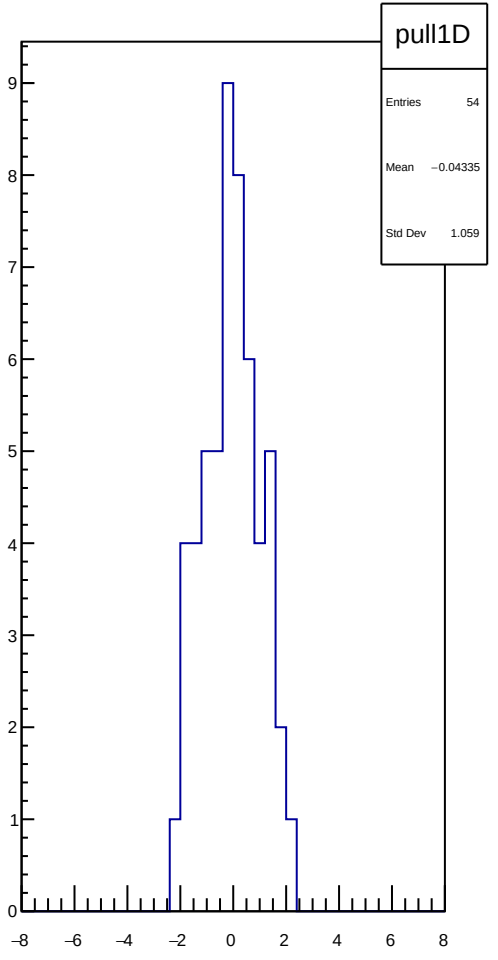

diff_bpm0l05X_rms vs run
χ² / ndf 1.198e+04 / 53
p0 4799 ± 4.683
7000
6500
6000
5500
5000
4500
4000

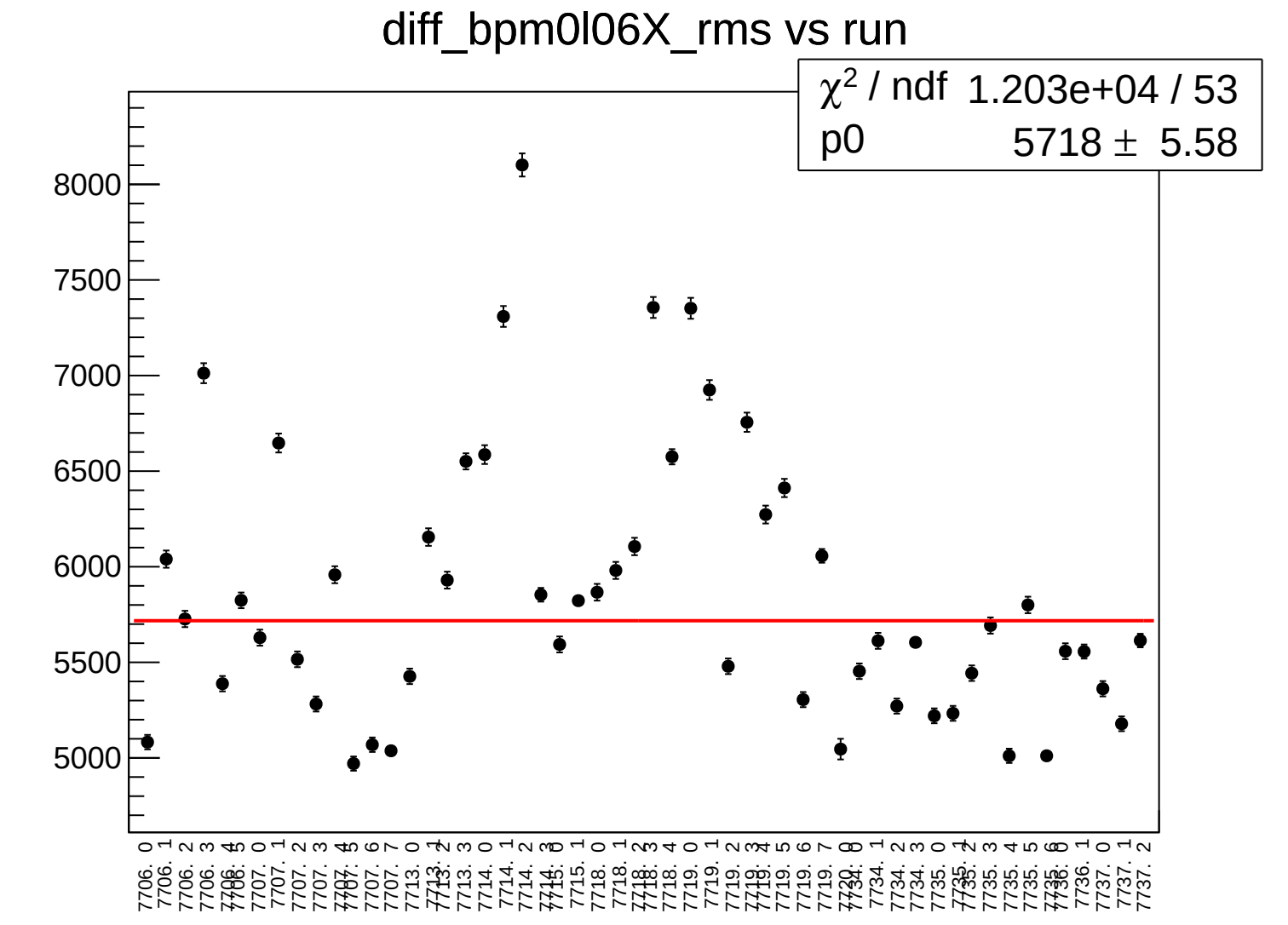

diff_bpm0l05Y_mean vs run
χ² / ndf 119.6 / 53
p0 37.74 ± 1.917
pull
Entries 54
Mean −442.2
Std Dev 0

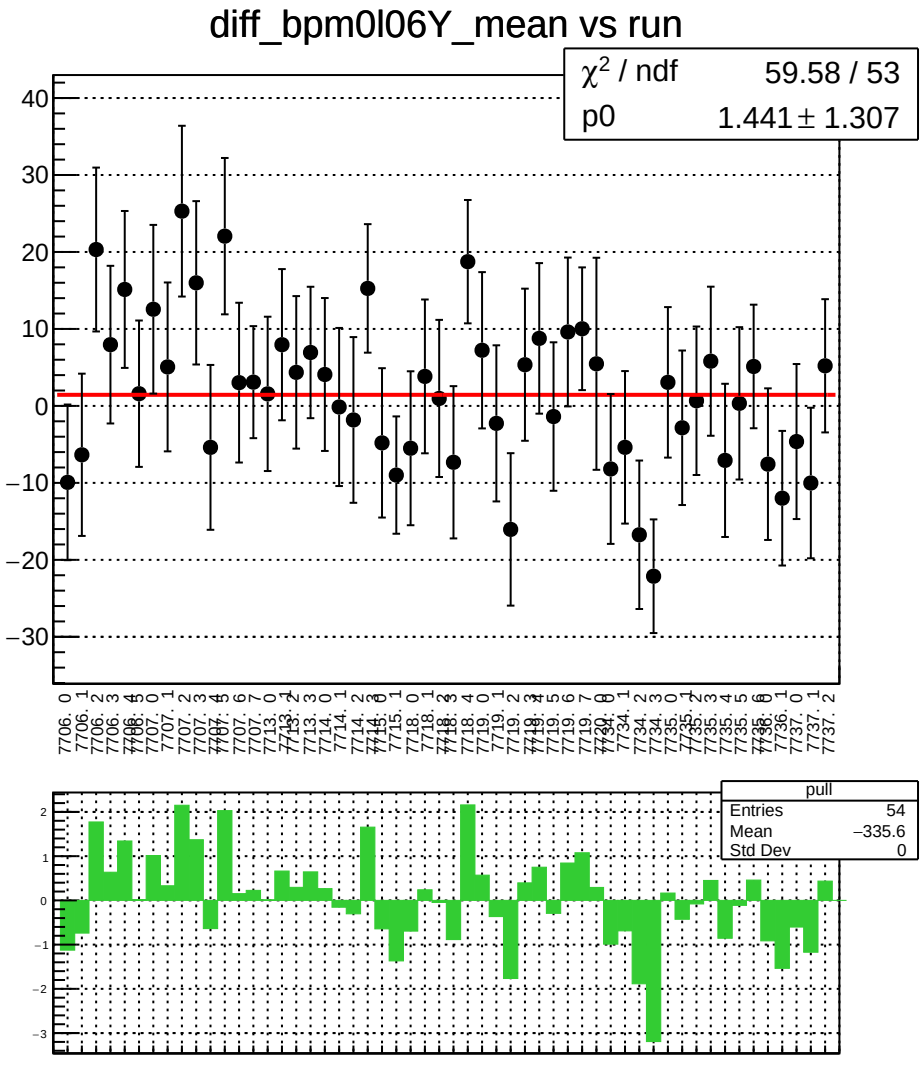

pull1D
Entries 54
Mean −0.03439
Std Dev 1.488

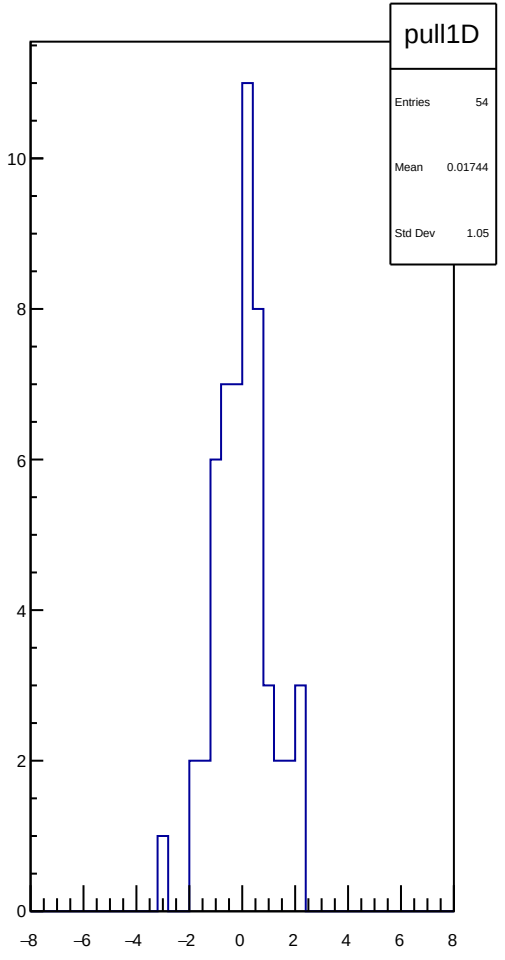

diff_bpm0l05Y_rms vs run
χ² / ndf 568.2 / 53
p0 1396 ± 1.355
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

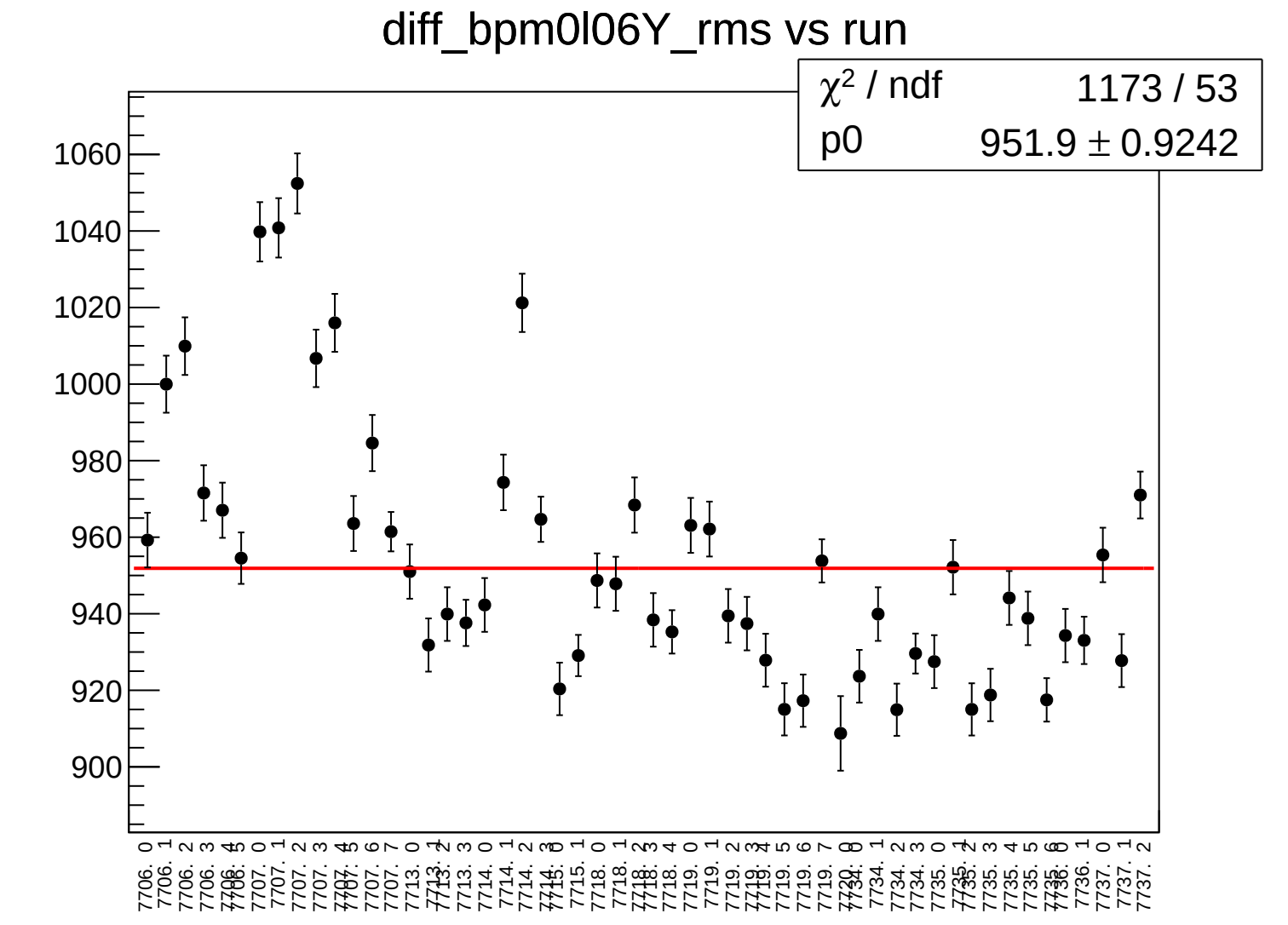

diff_bpm0l06X_mean vs run
χ² / ndf 60.65 / 53
p0 −43.51 ± 7.891
pull
Entries 54
Mean −94.13
Std Dev 0

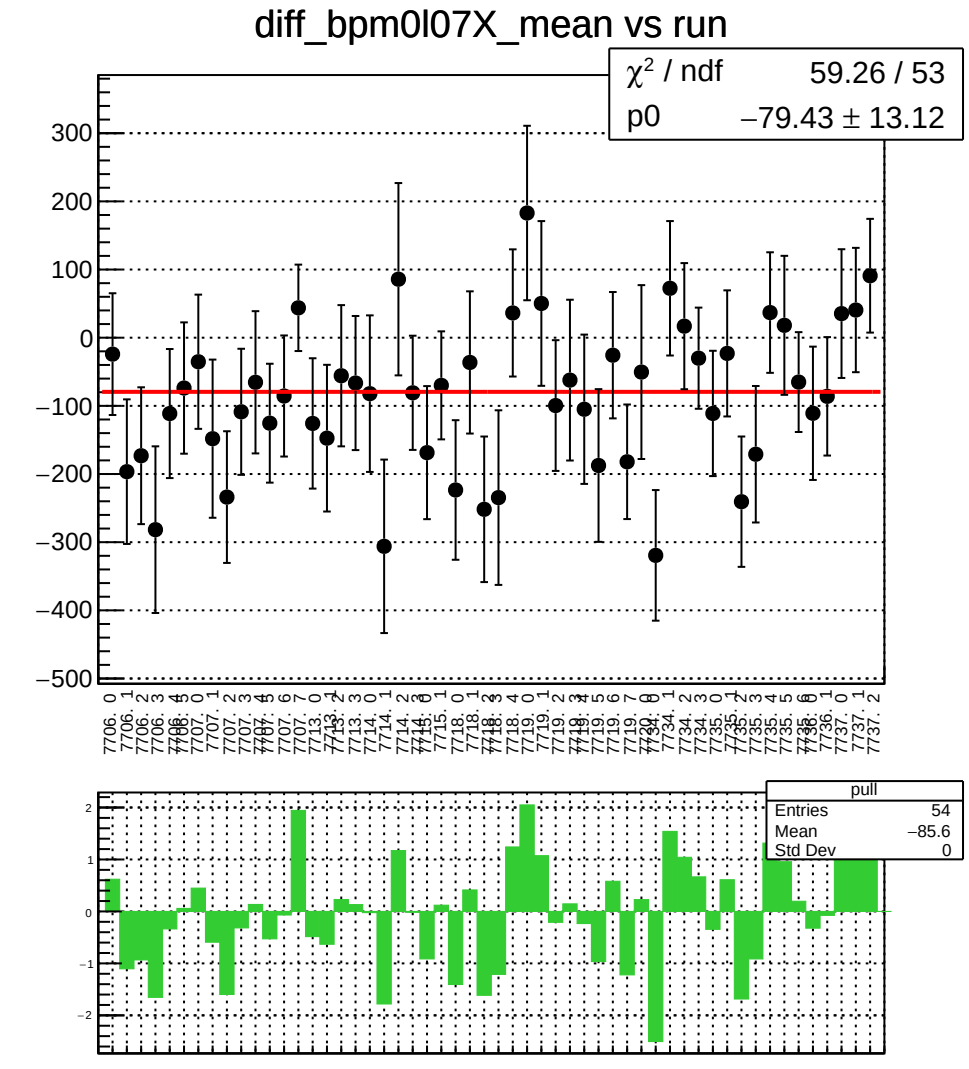

pull1D
Entries 54
Mean −0.04335
Std Dev 1.059

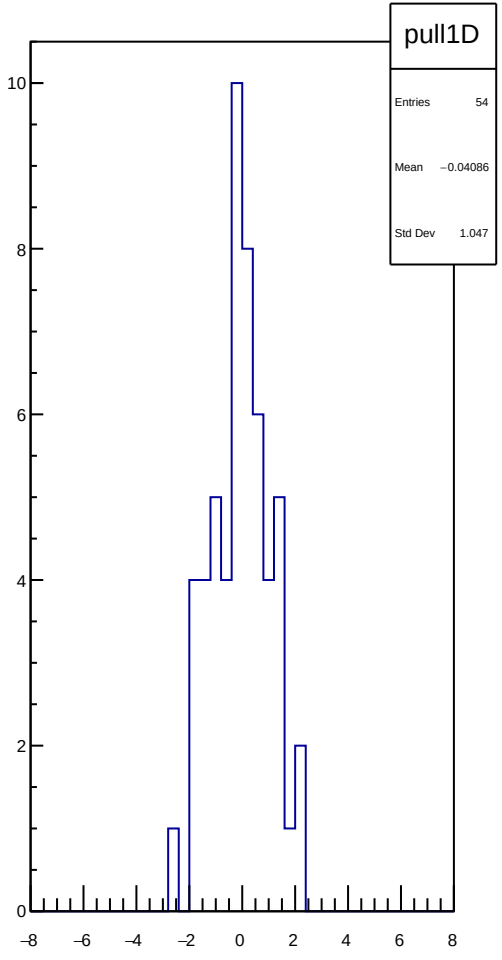

diff_bpm0l06X_rms vs run
χ² / ndf 1.203e+04 / 53
p0 5718 ± 5.58
8000
7500
7000
6500
6000
5500
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

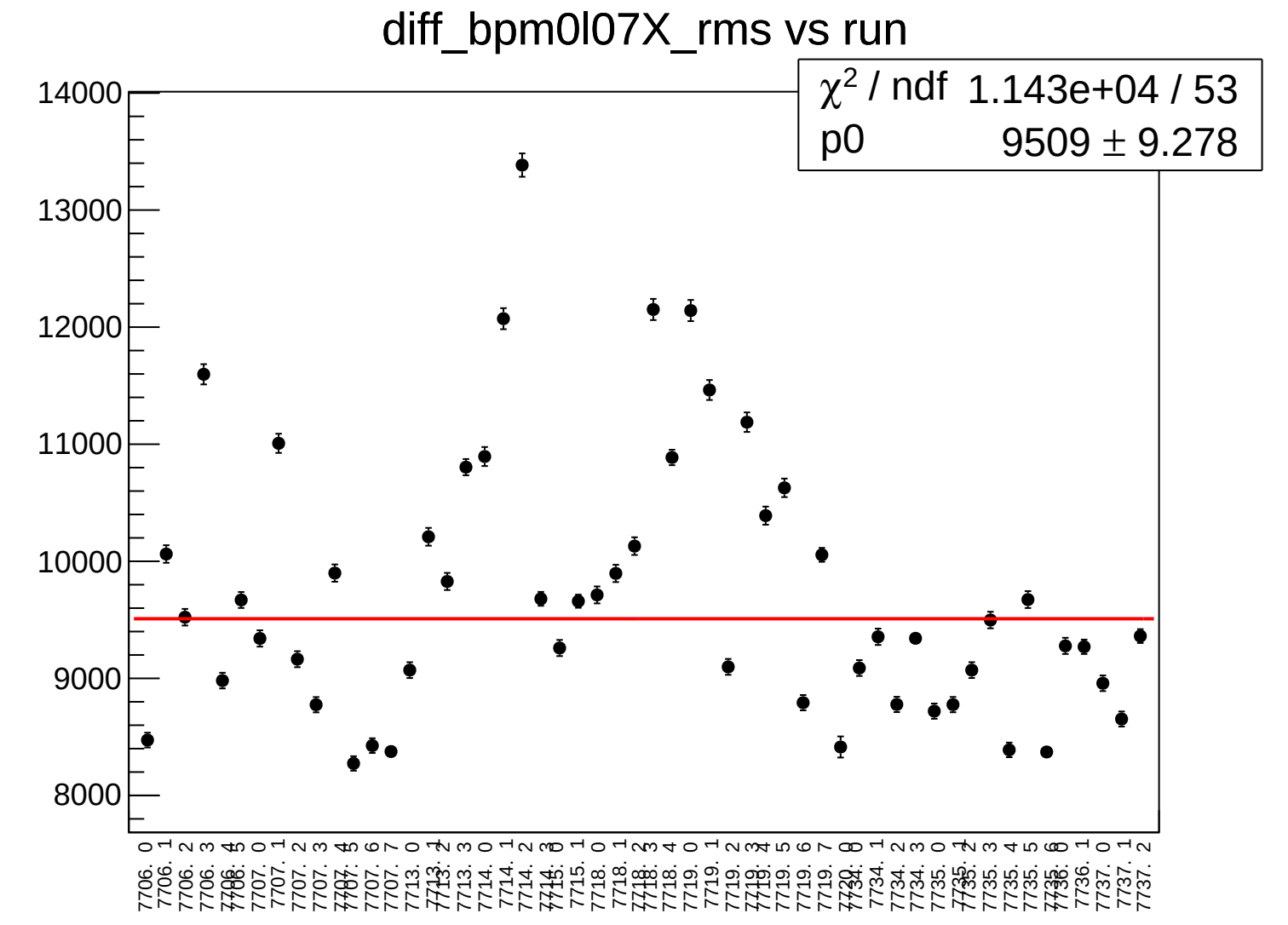

diff_bpm0l06Y_mean vs run
χ² / ndf 59.58 / 53
p0 1.441 ± 1.307
pull
Entries 54
Mean −335.6
Std Dev 0

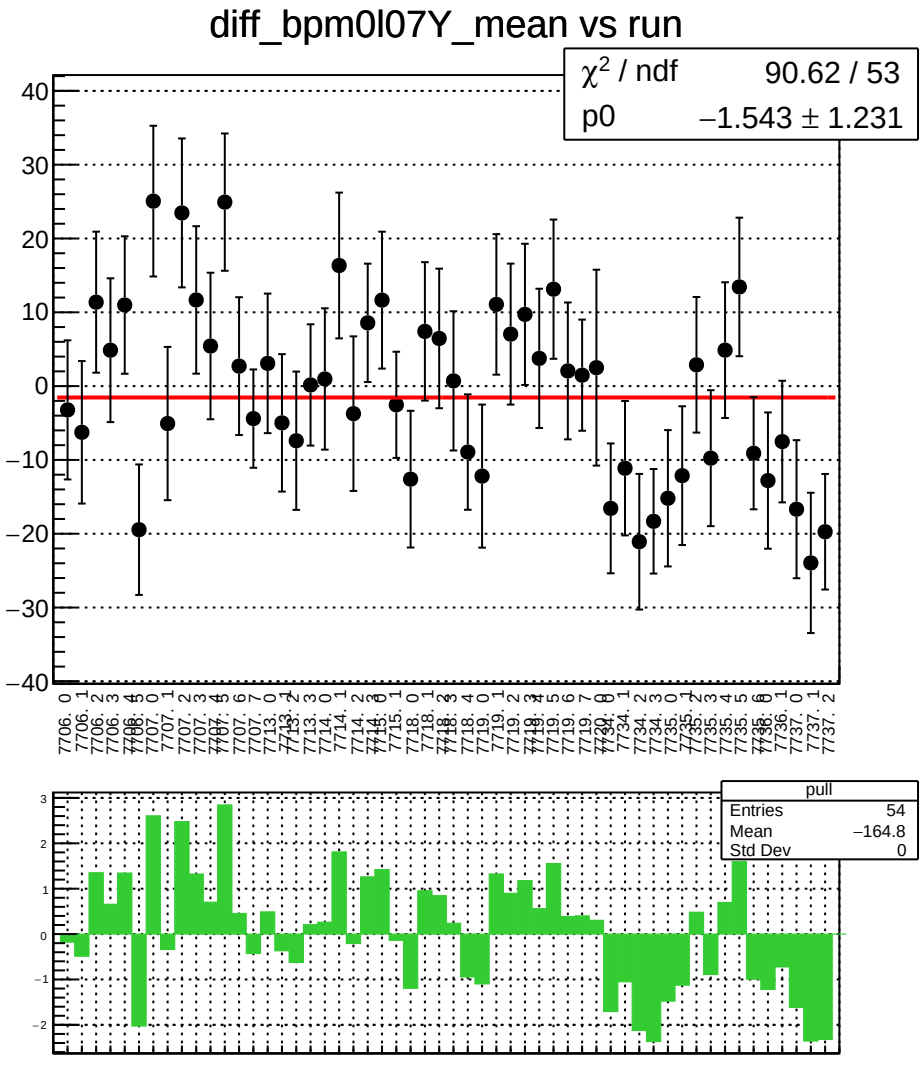

pull1D
Entries 54
Mean 0.01744
Std Dev 1.05

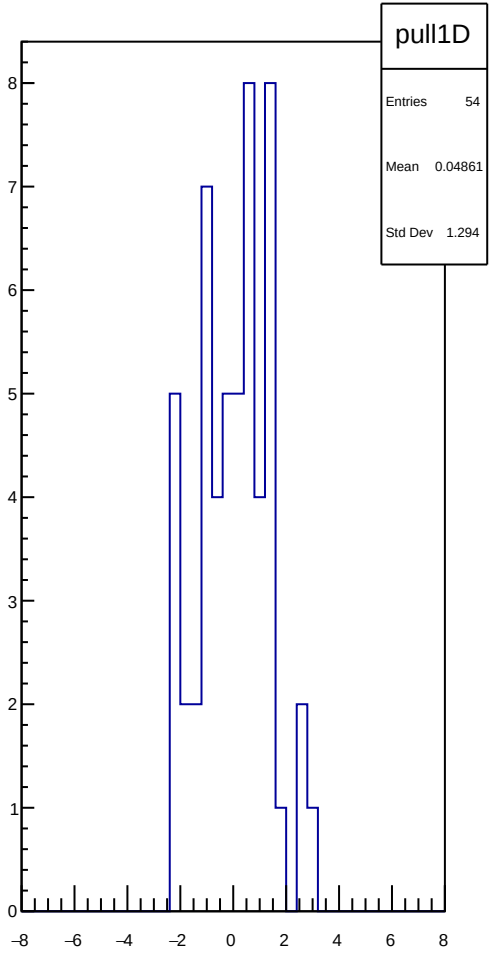

diff_bpm0l06Y_rms vs run
χ² / ndf 1173 / 53
p0 951.9 ± 0.9242
1060
1040
1020
1000
980
960
940
920
900

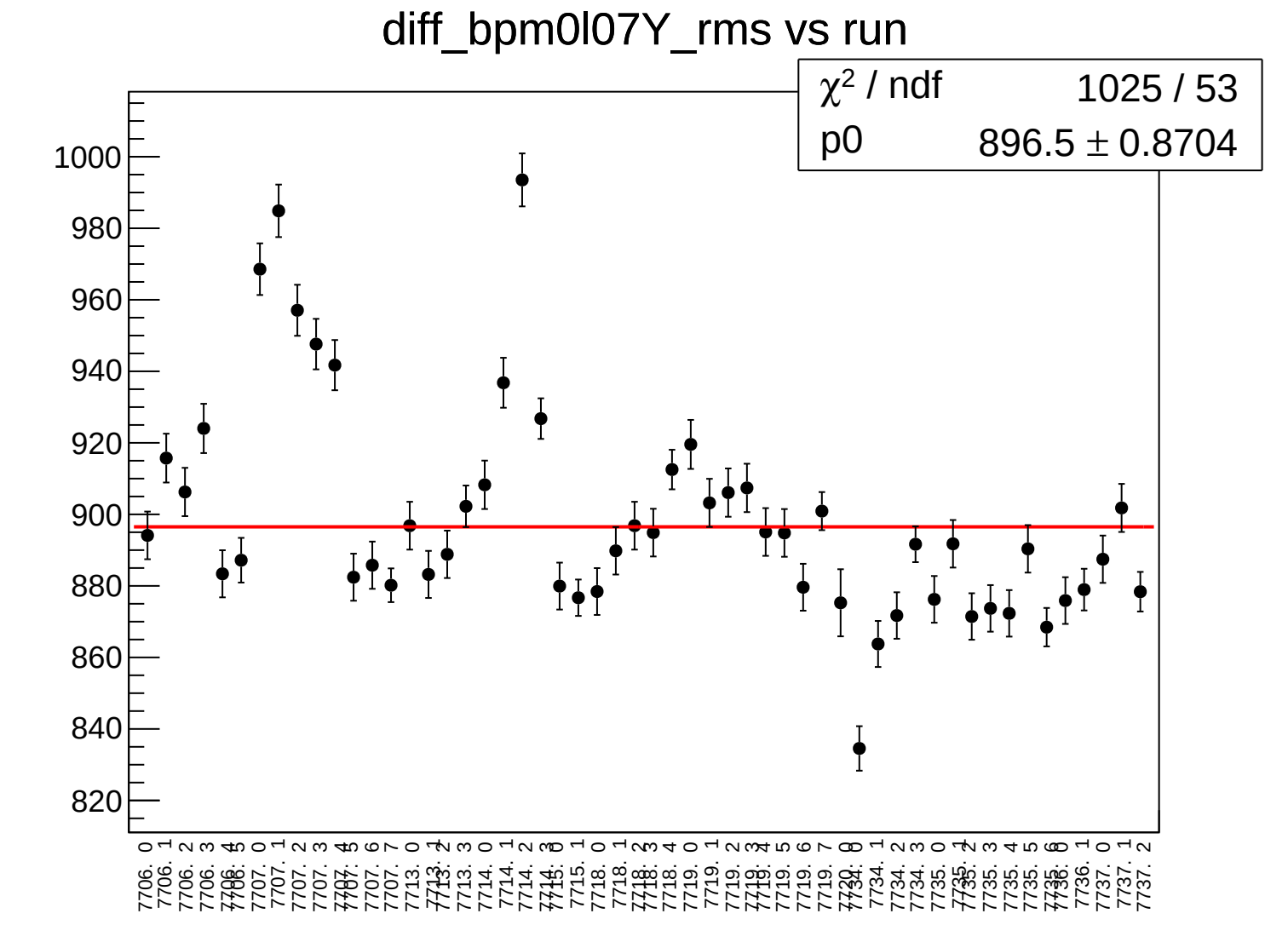

diff_bpm0l07X_mean vs run
χ² / ndf 59.26 / 53
p0 −79.43 ± 13.12
pull
Entries 54
Mean −85.6
Std Dev 0

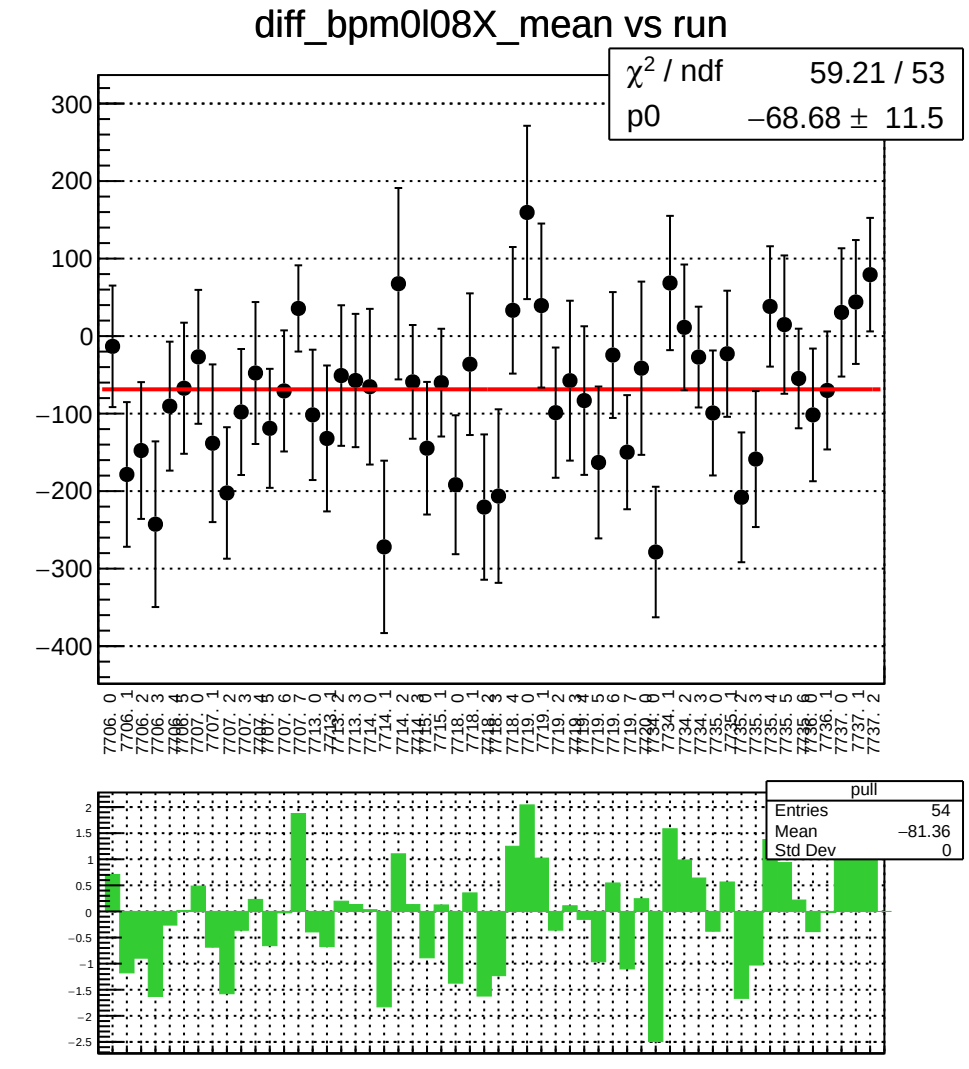

pull1D
Entries 54
Mean −0.04086
Std Dev 1.047

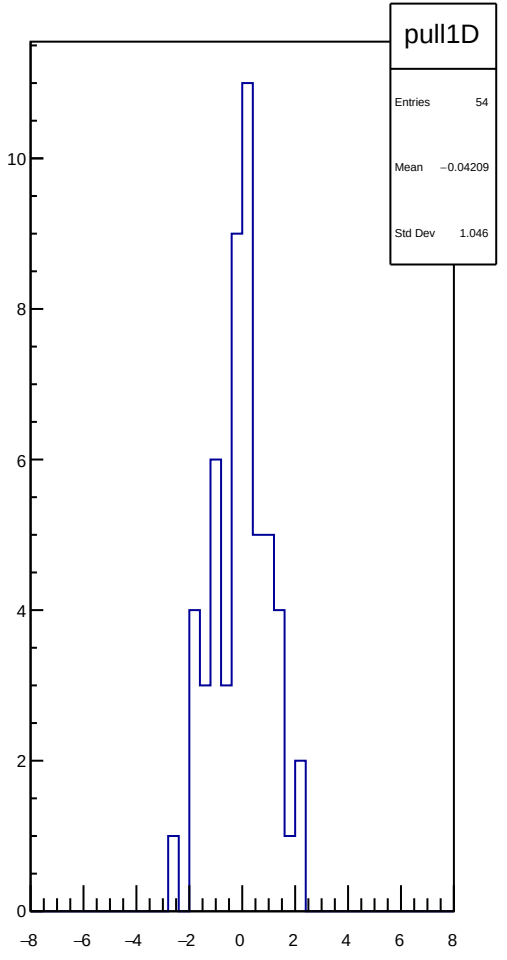

diff_bpm0l07X_rms vs run
χ² / ndf 1.143e+04 / 53
p0 9509 ± 9.278
14000
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

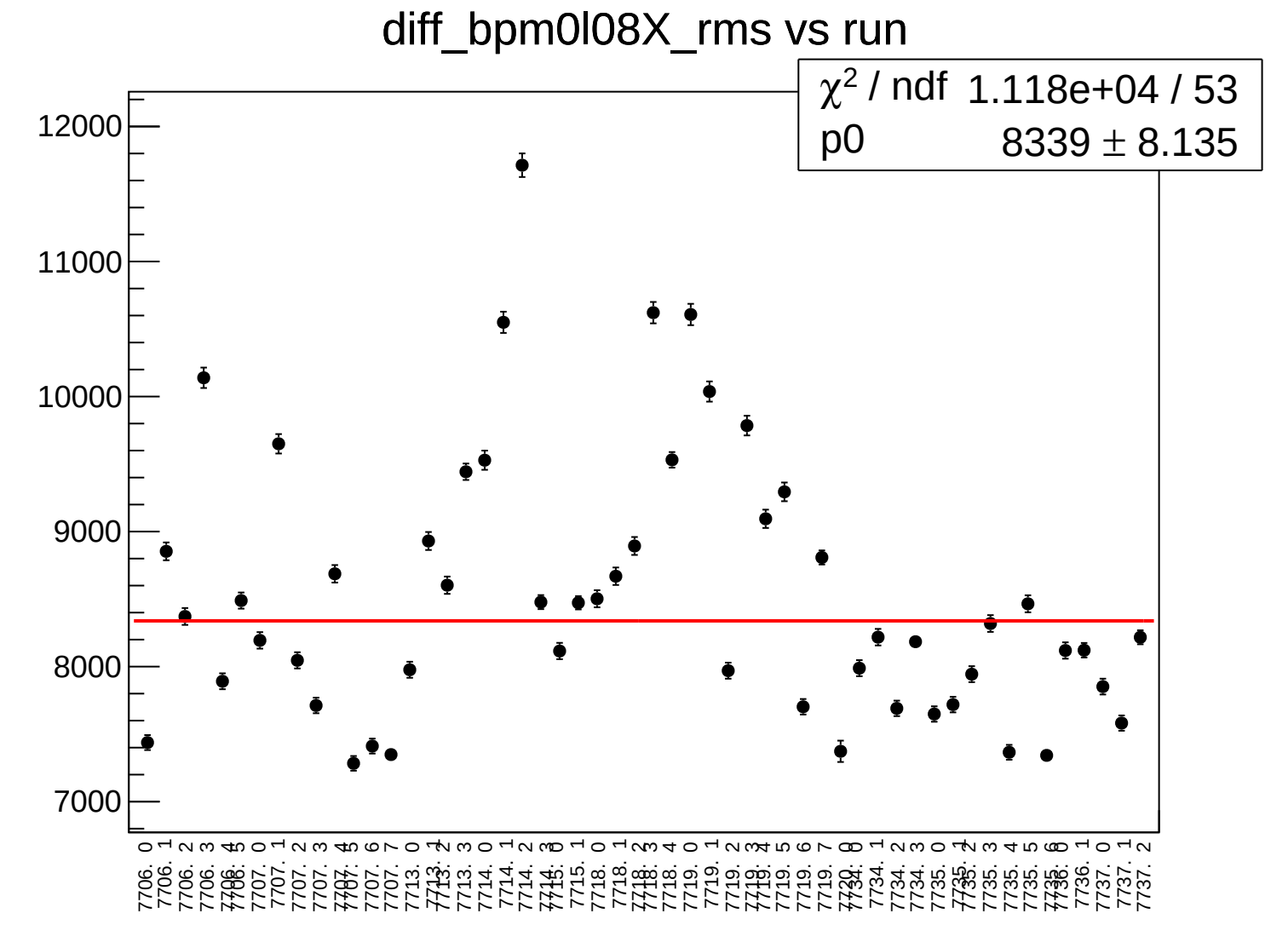

diff_bpm0l07Y_mean vs run
χ² / ndf 90.62 / 53
p0 −1.543 ± 1.231
pull
Entries 54
Mean −164.8
Std Dev 0

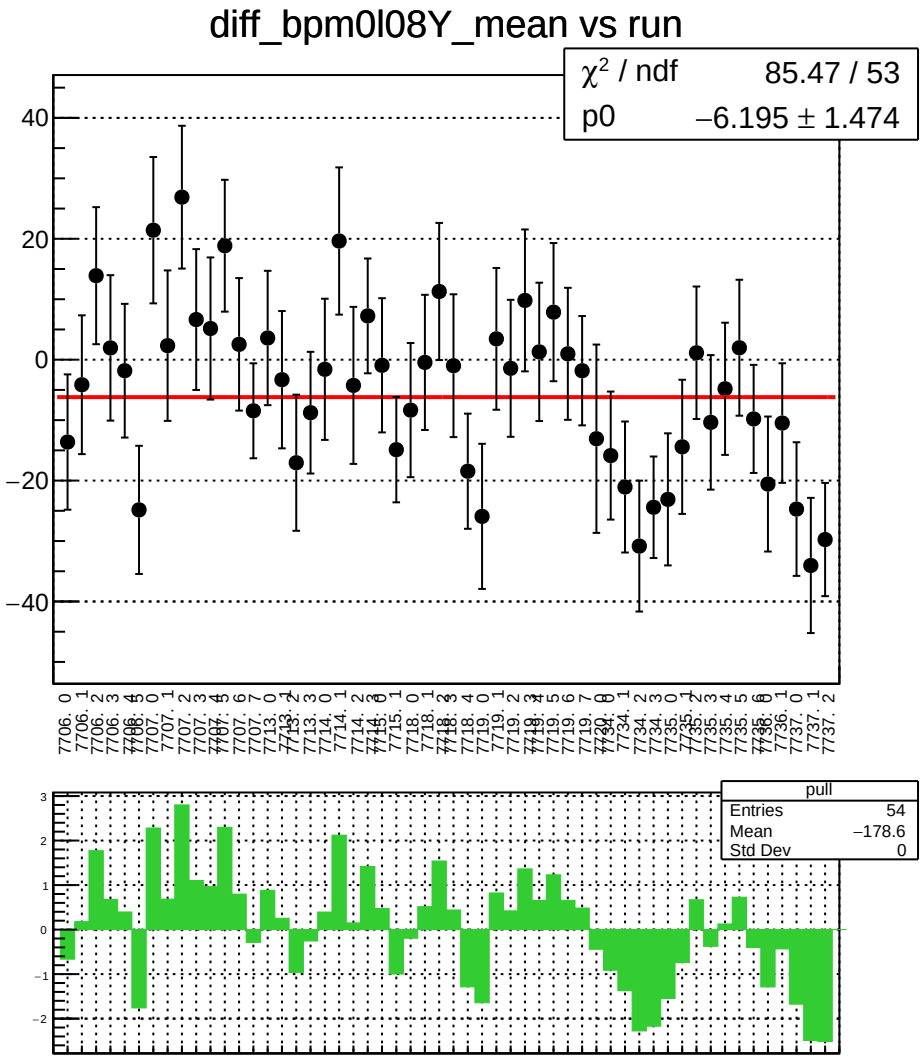

pull1D
Entries 54
Mean 0.04861
Std Dev 1.294

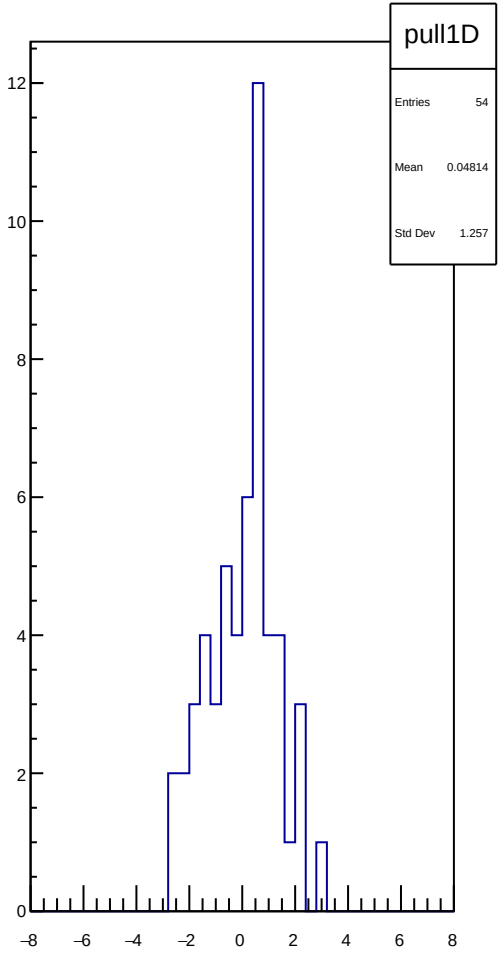

diff_bpm0l07Y_rms vs run
χ² / ndf 1025 / 53
p0 896.5 ± 0.8704
1000
980
960
940
920
900
880
860
840
820

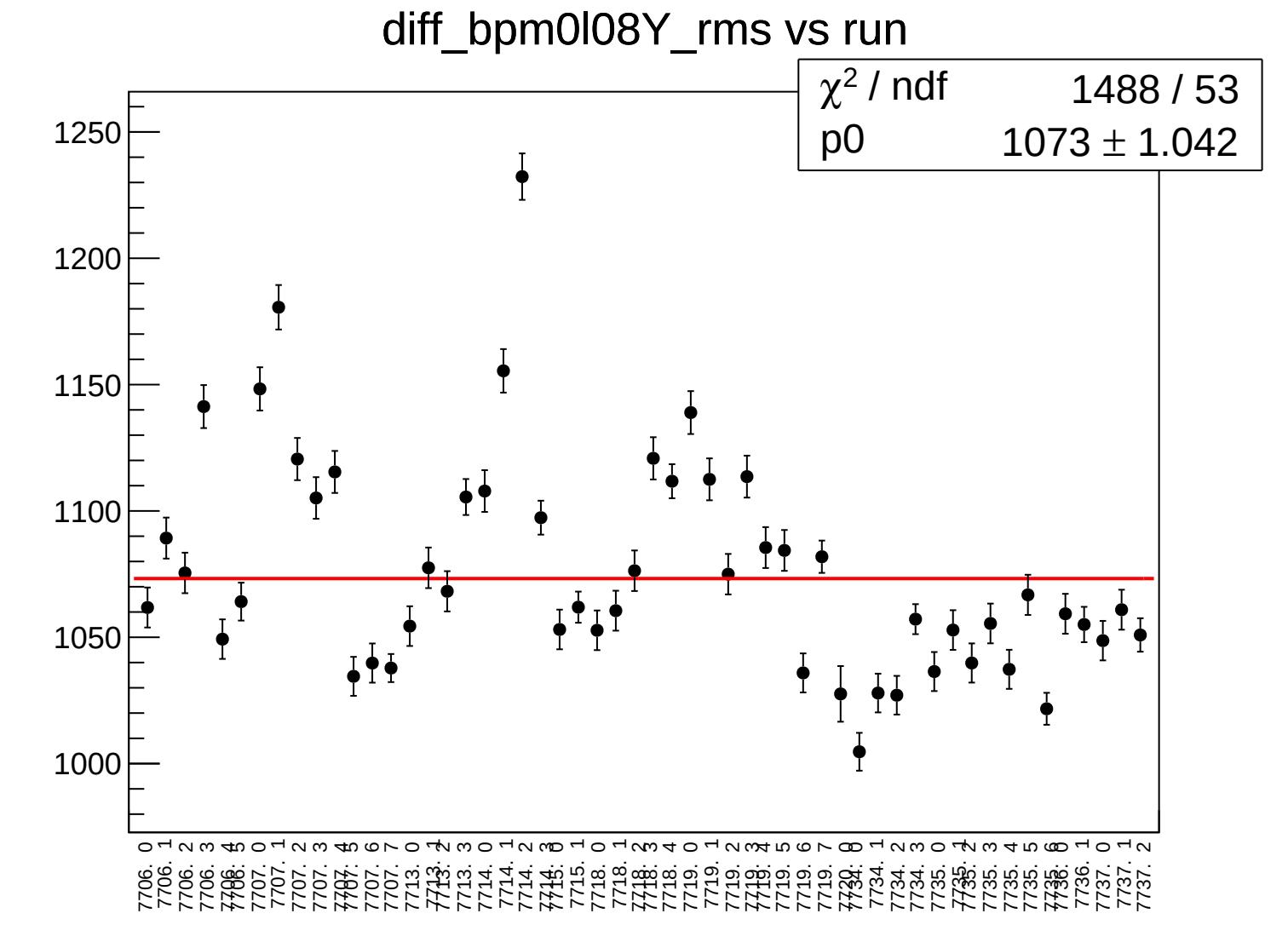

diff_bpm0l08X_mean vs run
χ² / ndf 59.21 / 53
p0 −68.68 ± 11.5
pull
Entries 54
Mean −81.36
Std Dev 0

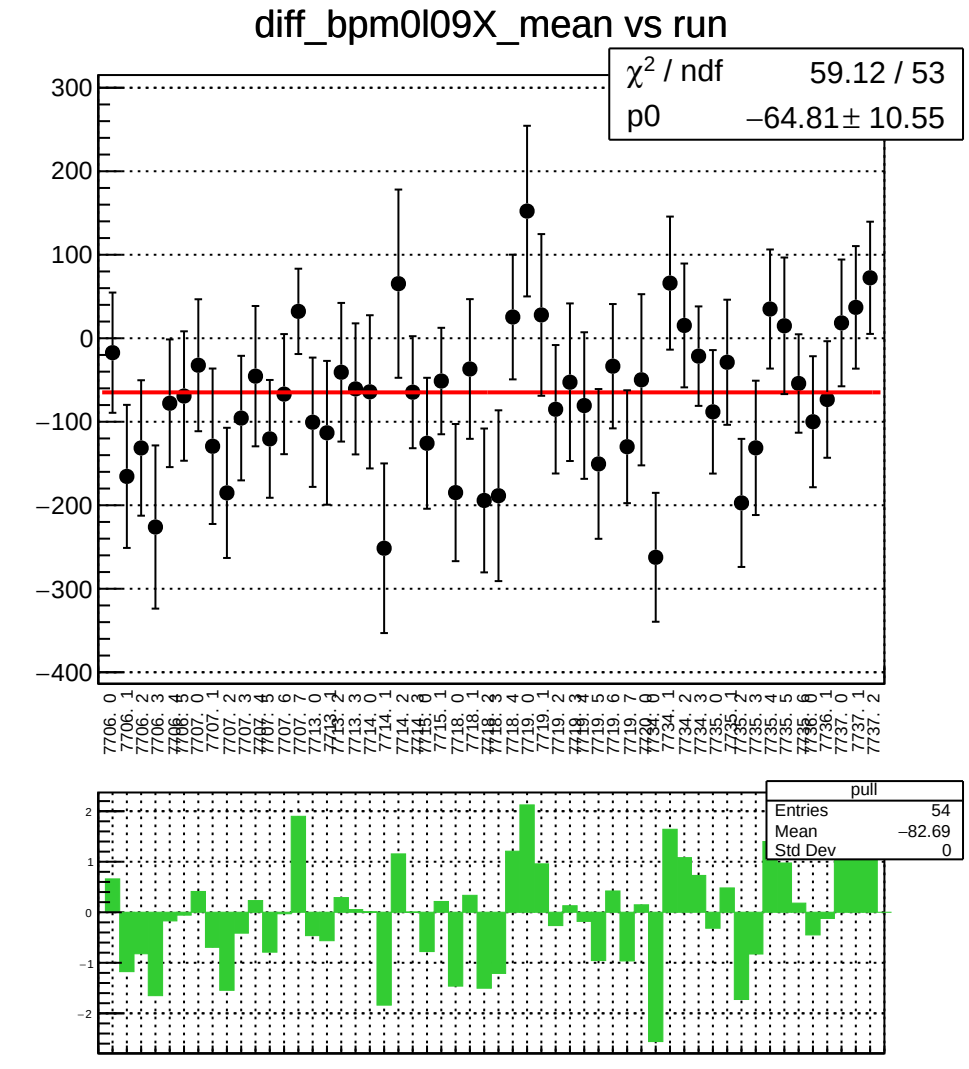

pull1D
Entries 54
Mean −0.04209
Std Dev 1.046

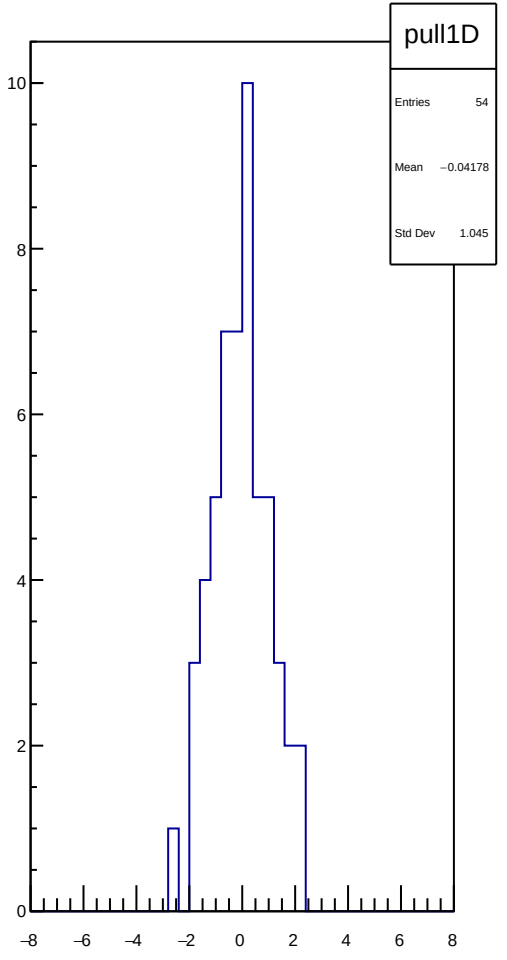

diff_bpm0l08X_rms vs run
χ² / ndf 1.118e+04 / 53
p0 8339 ± 8.135
12000
11000
10000
9000
8000
7000

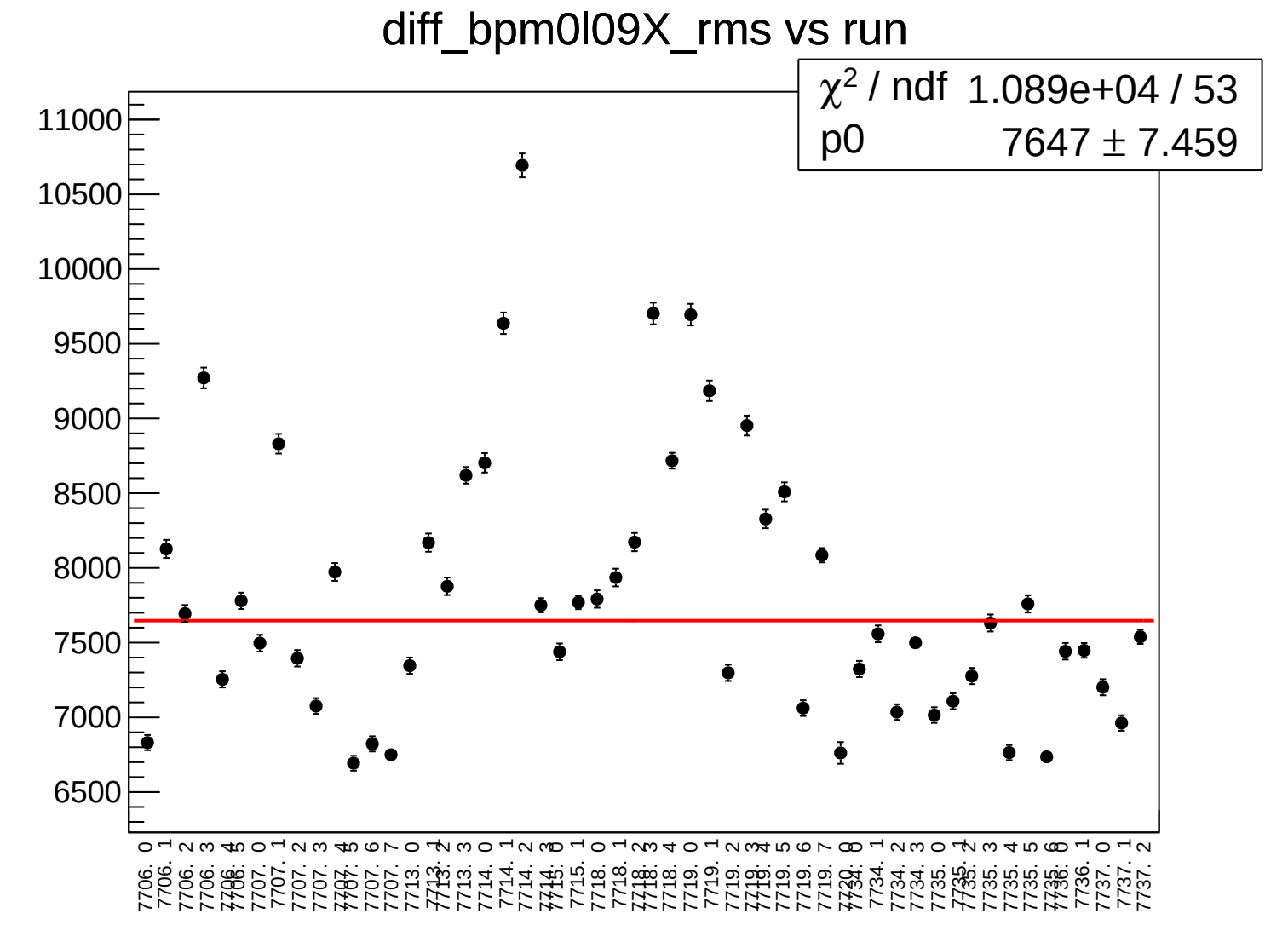

diff_bpm0l08Y_mean vs run
χ² / ndf 85.47 / 53
p0 −6.195 ± 1.474
pull
Entries 54
Mean −178.6
Std Dev 0

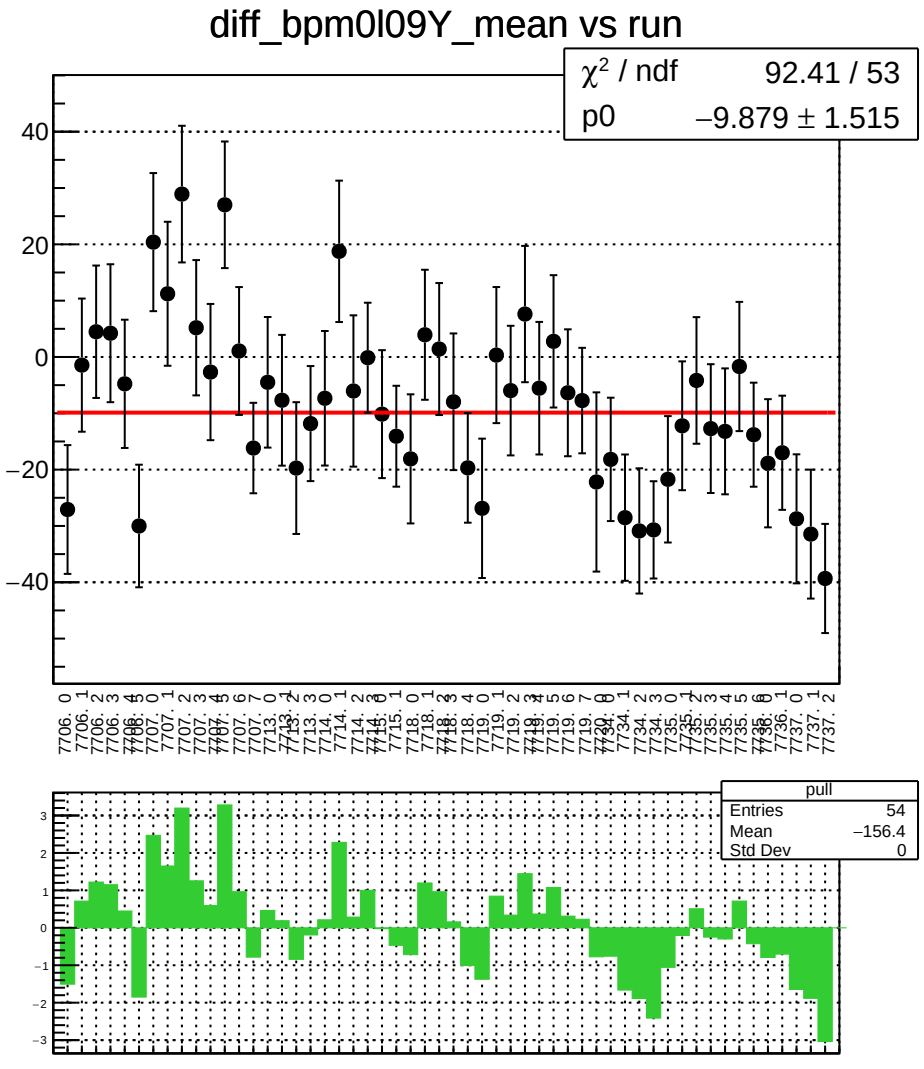

pull1D
Entries 54
Mean 0.04814
Std Dev 1.257

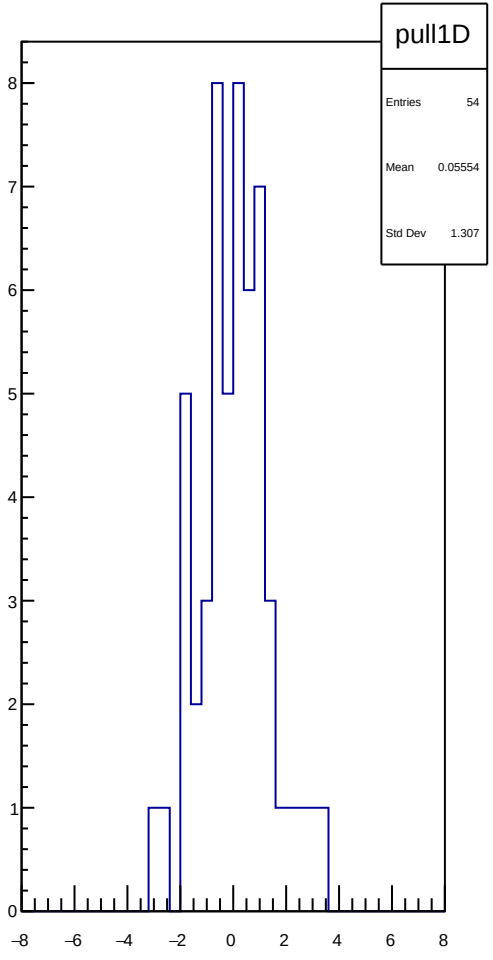

diff_bpm0l08Y_rms vs run
χ² / ndf 1488 / 53
p0 1073 ± 1.042
1250
1200
1150
1100
1050
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

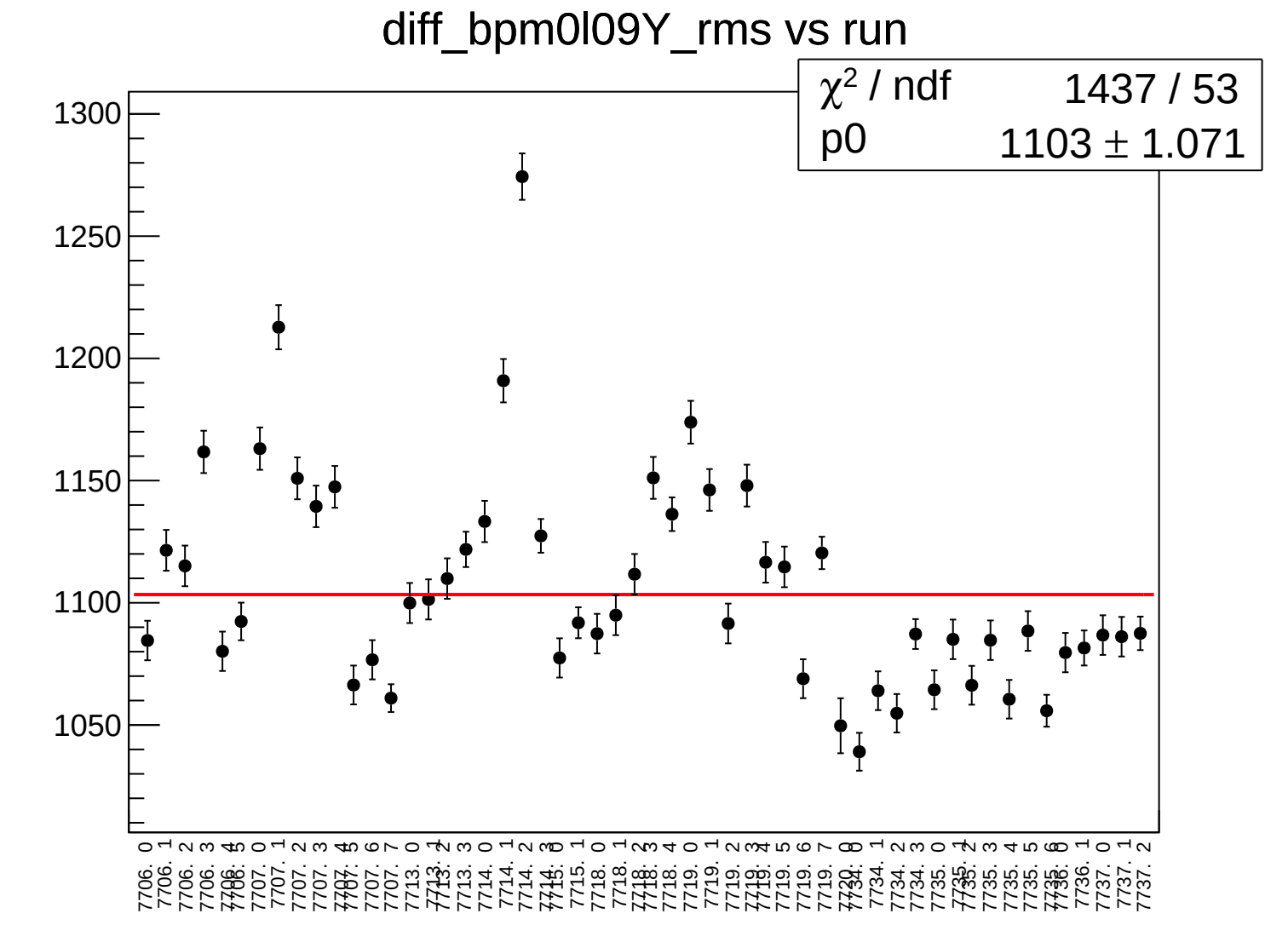

diff_bpm0l09X_mean vs run
χ² / ndf 59.12 / 53
p0 −64.81 ± 10.55
pull
Entries 54
Mean −82.69
Std Dev 0

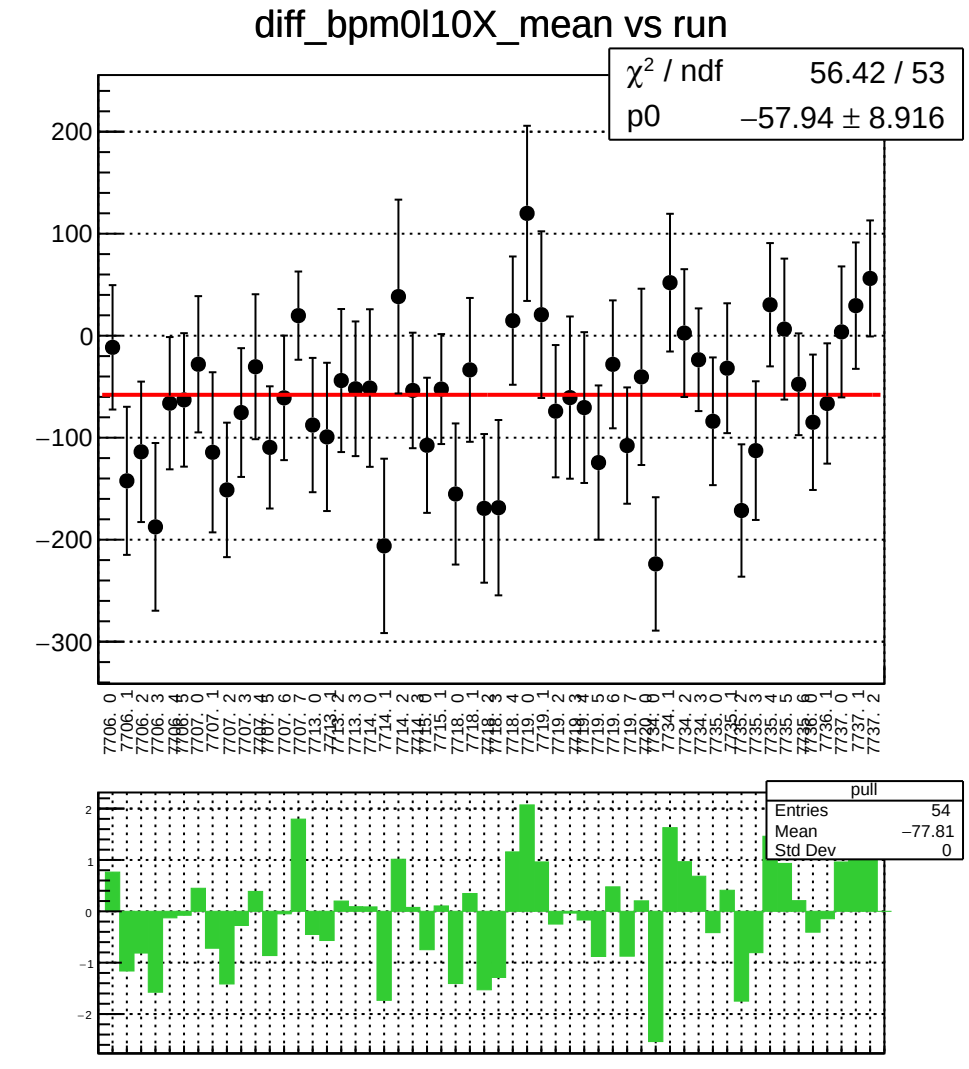

pull1D
Entries 54
Mean −0.04178
Std Dev 1.045

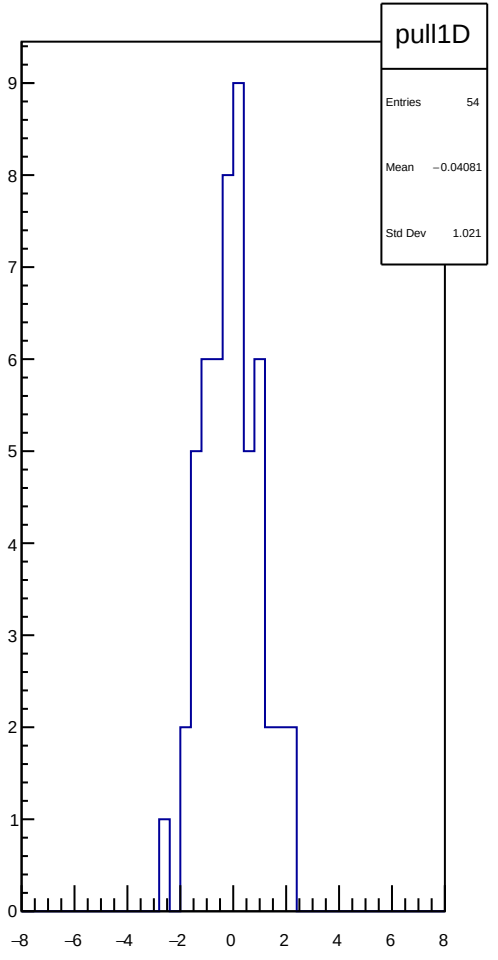

diff_bpm0l09X_rms vs run
χ² / ndf 1.089e+04 / 53
p0 7647 ± 7.459
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

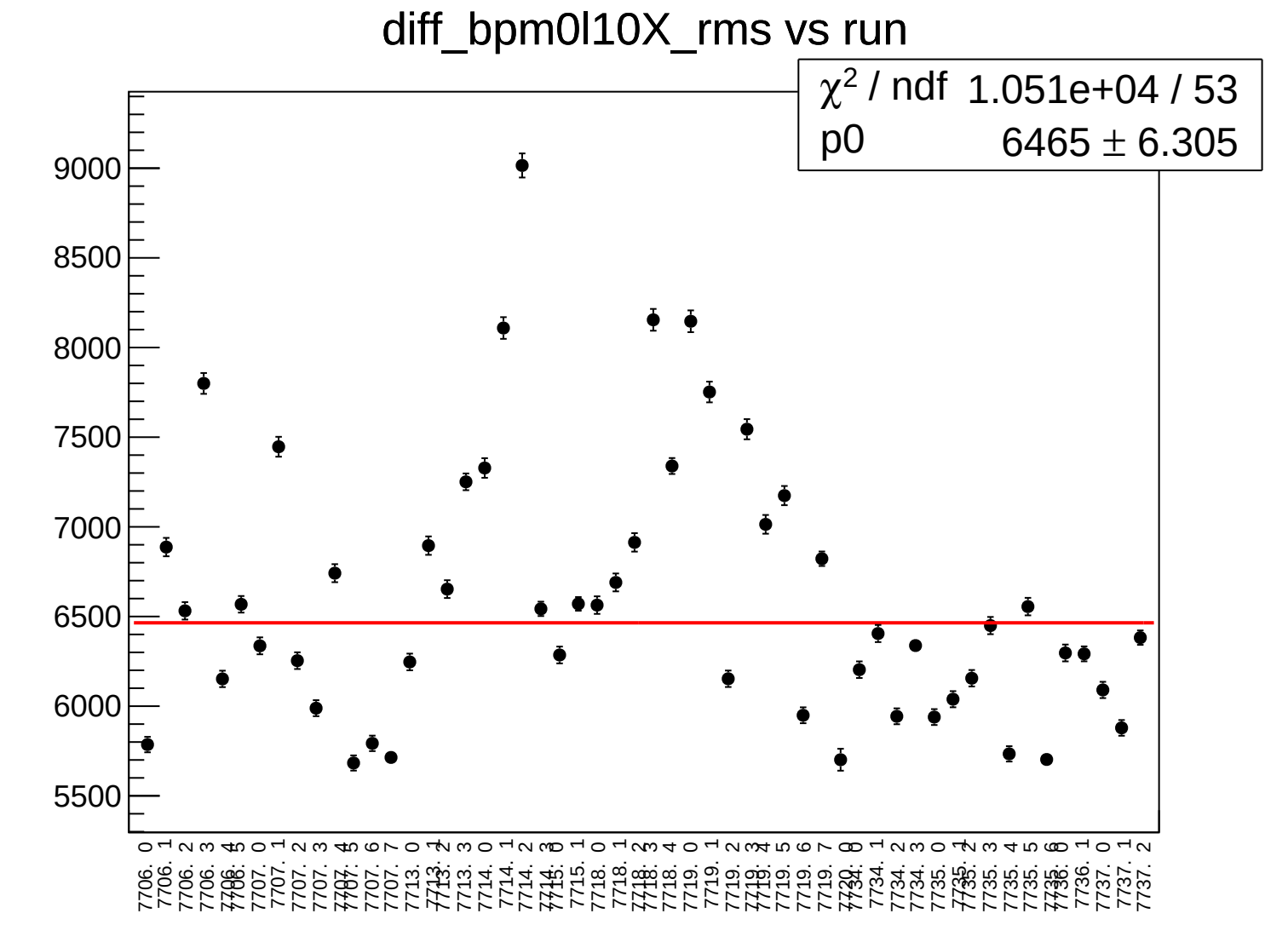

diff_bpm0l09Y_mean vs run
χ² / ndf 92.41 / 53
p0 −9.879 ± 1.515
pull
Entries 54
Mean −156.4
Std Dev 0

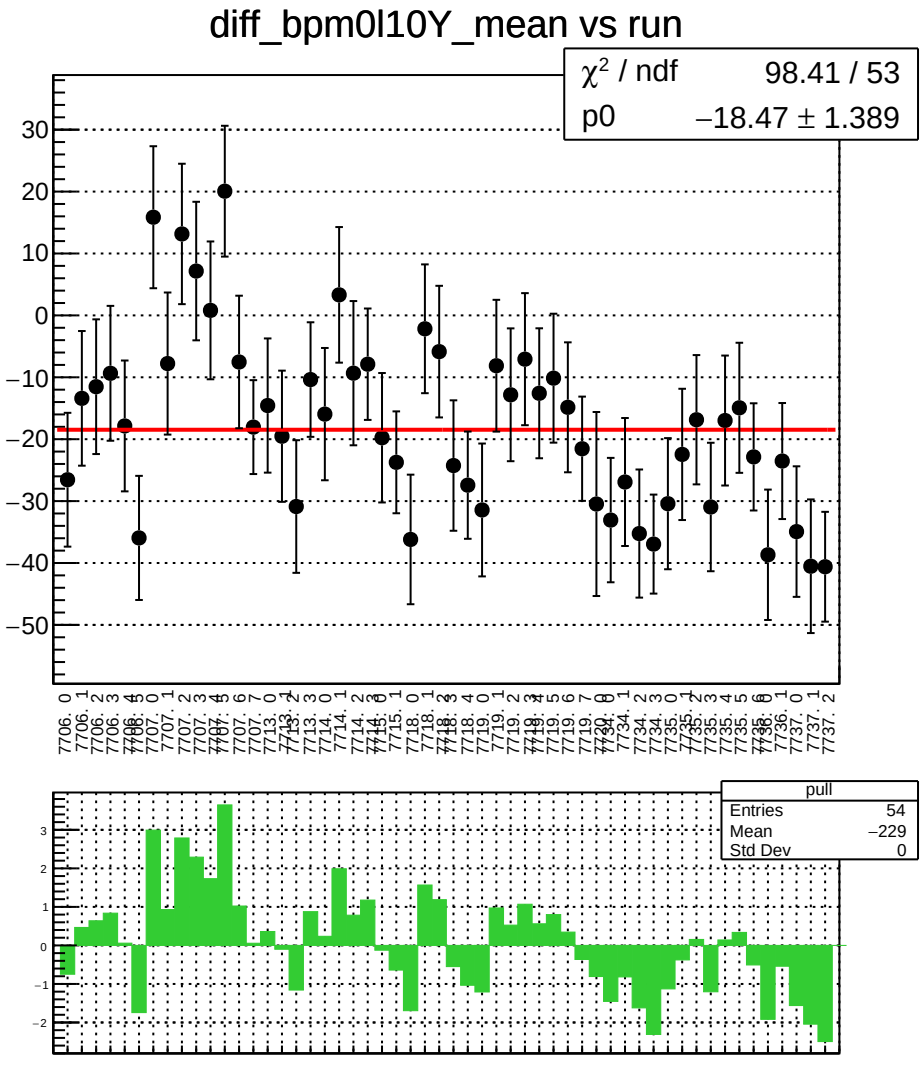

pull1D
Entries 54
Mean 0.05554
Std Dev 1.307

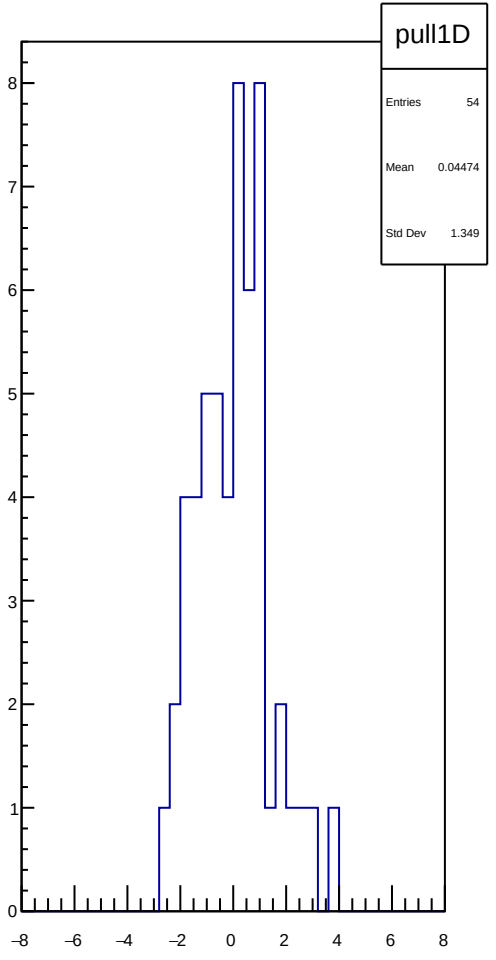

diff_bpm0l09Y_rms vs run
χ² / ndf 1437 / 53
p0 1103 ± 1.071
1300
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

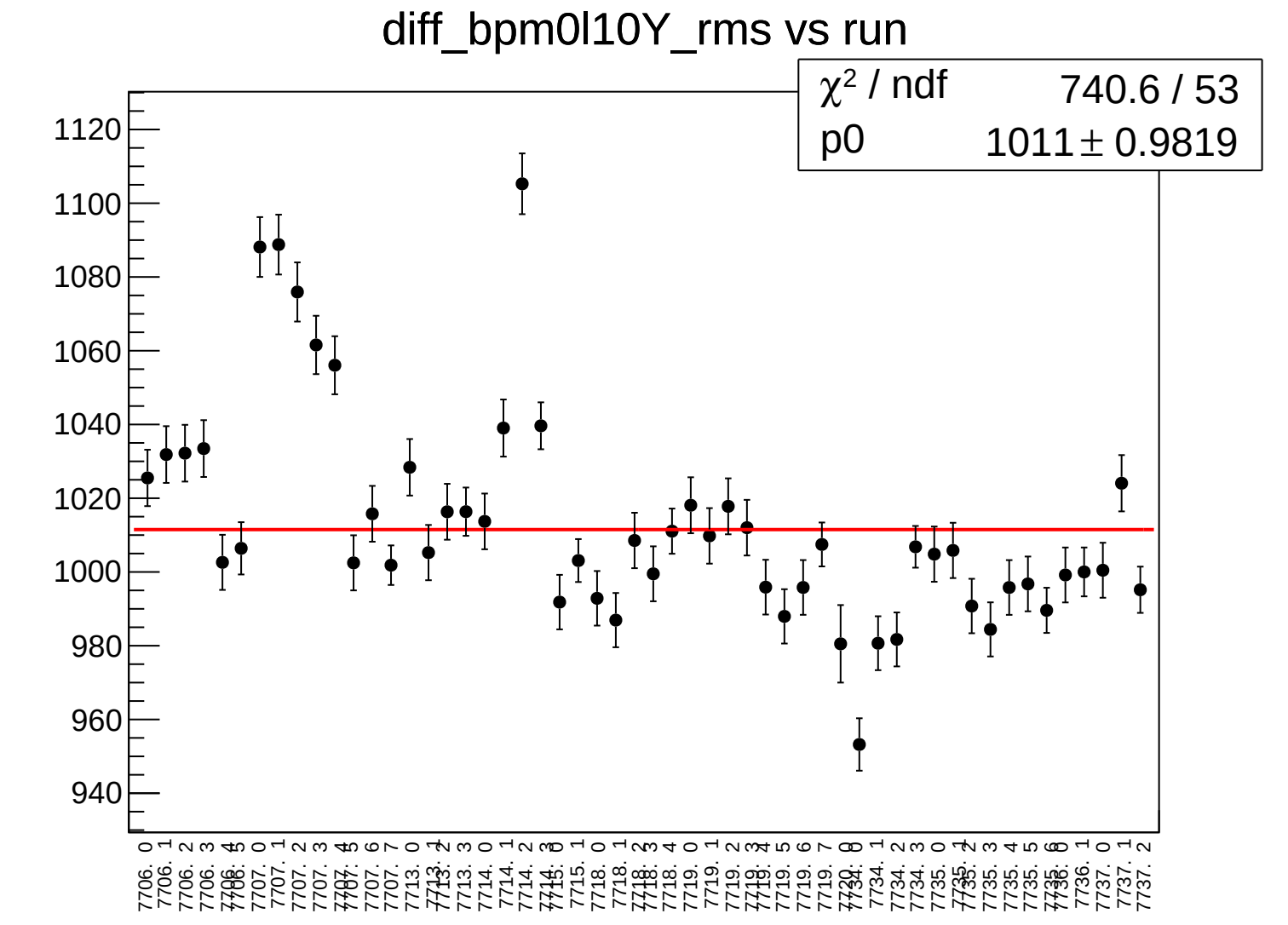

diff_bpm0l10X_mean vs run
χ² / ndf 56.42 / 53
p0 −57.94 ± 8.916
pull
Entries 54
Mean −77.81
Std Dev 0

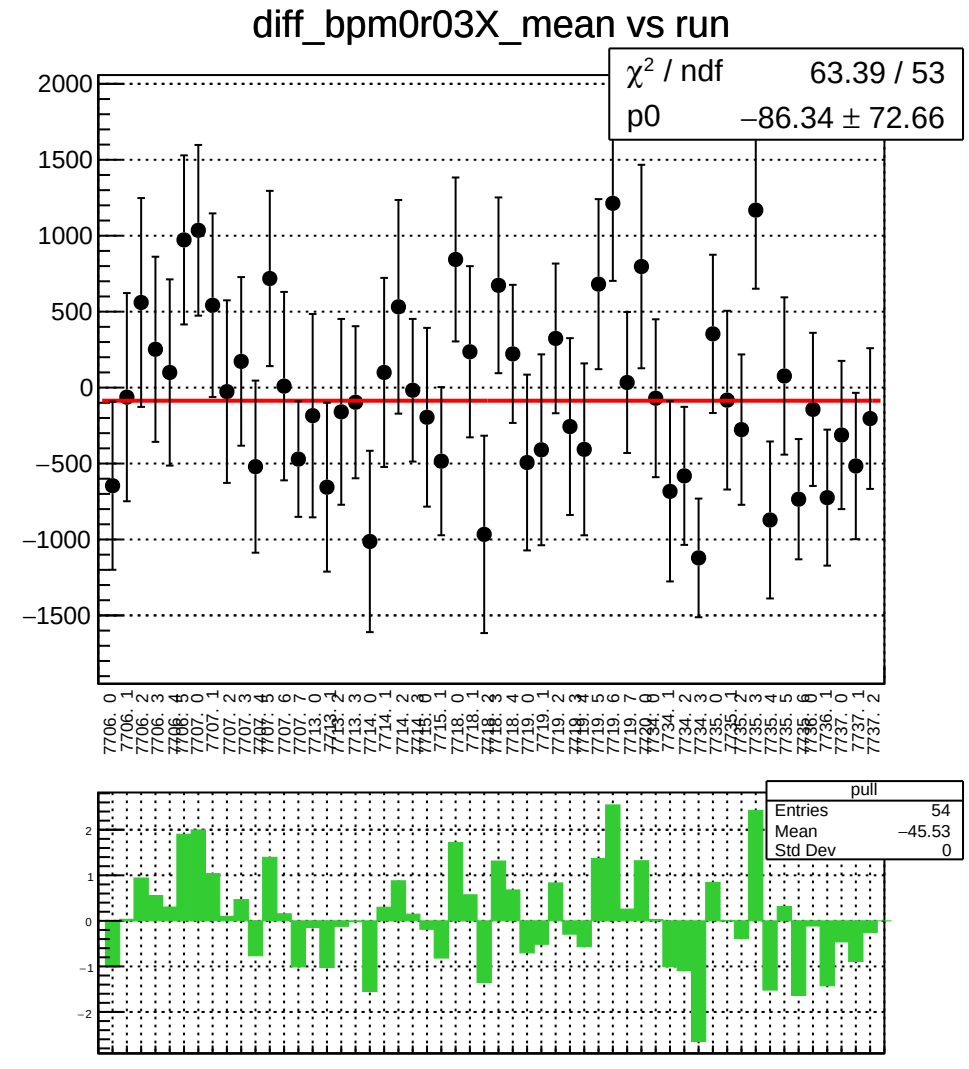

pull1D
Entries 54
Mean −0.04081
Std Dev 1.021

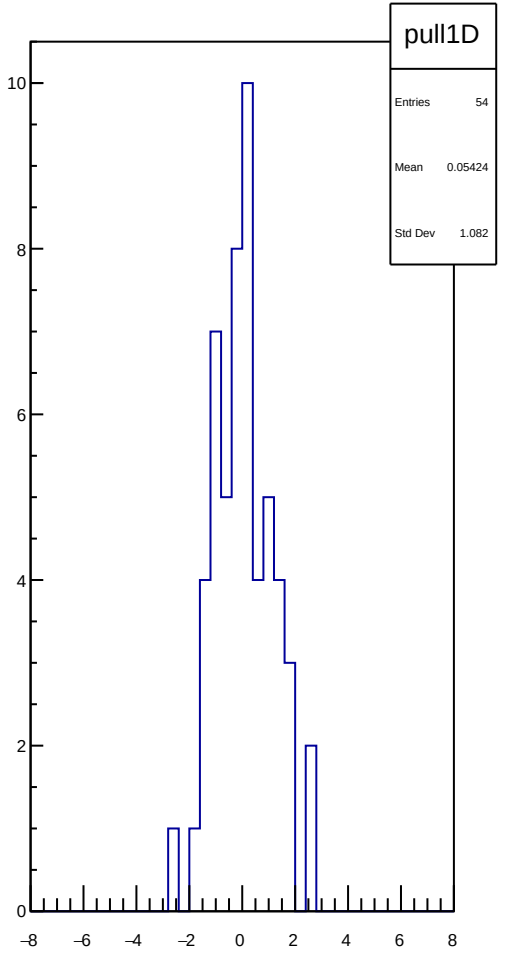

diff_bpm0l10X_rms vs run
χ^2 / ndf 1.051e+04 / 53
p0 6465 ± 6.305
9000
8500
8000
7500
7000
6500
6000
5500

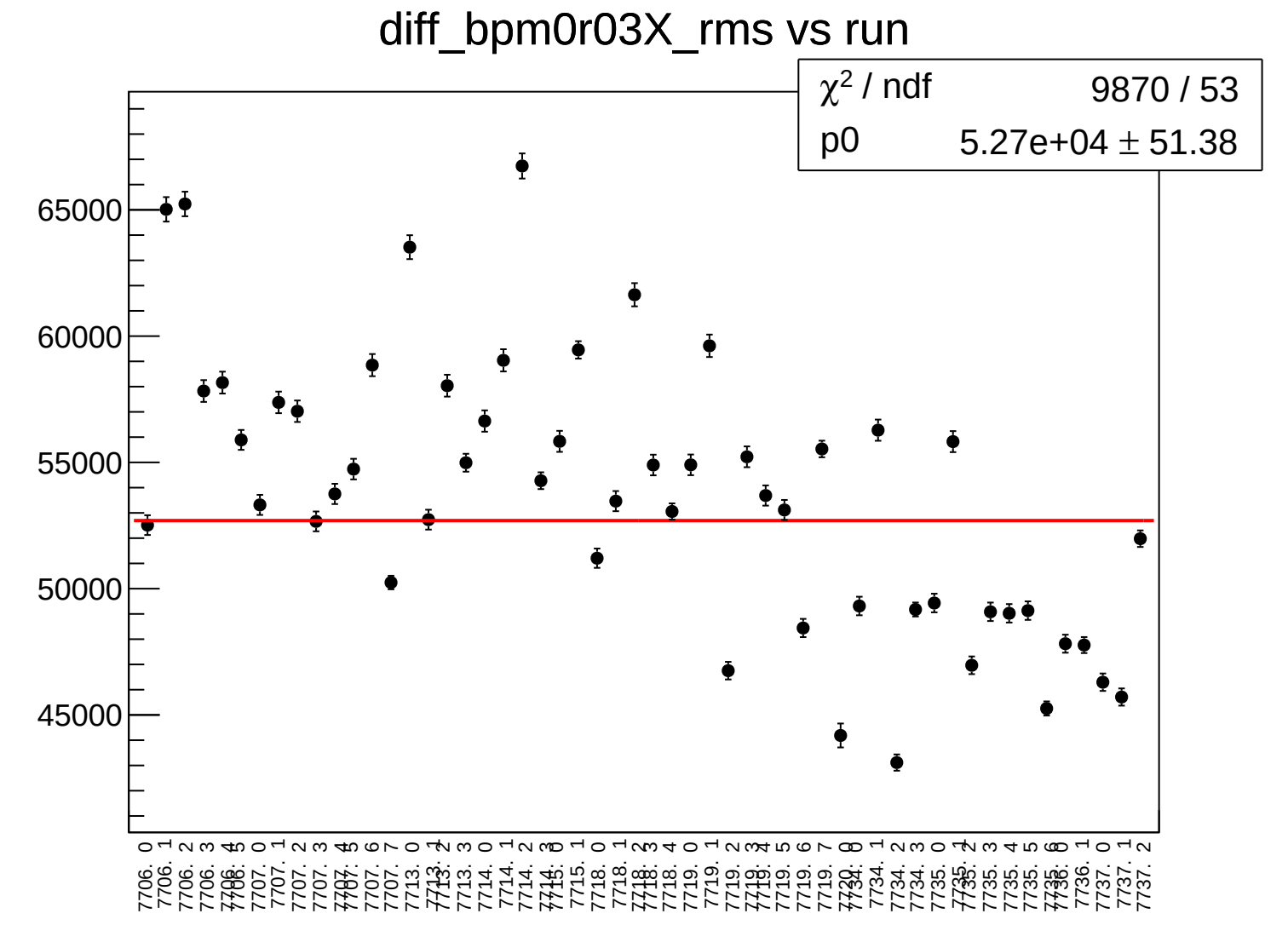

diff_bpm0l10Y_mean vs run
χ² / ndf 98.41 / 53
p0 −18.47 ± 1.389
pull
Entries 54
Mean −229
Std Dev 0

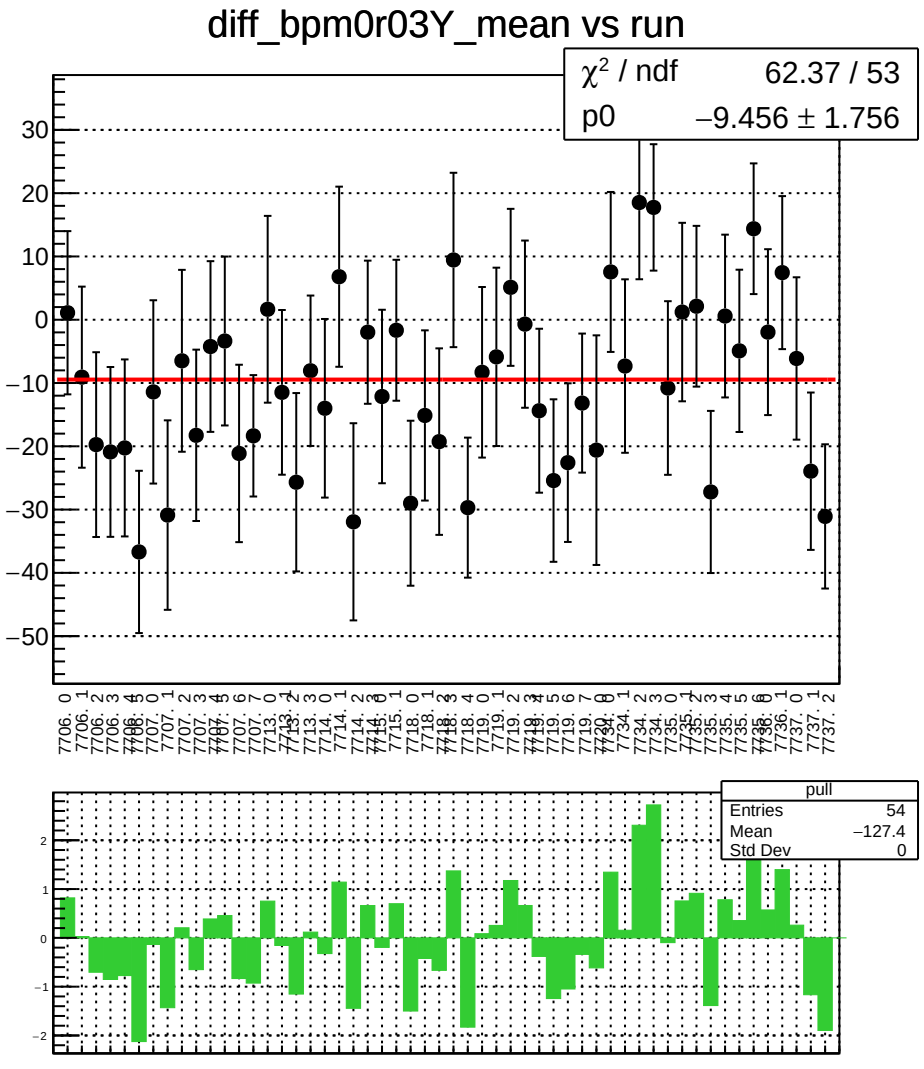

pull1D
Entries 54
Mean 0.04474
Std Dev 1.349

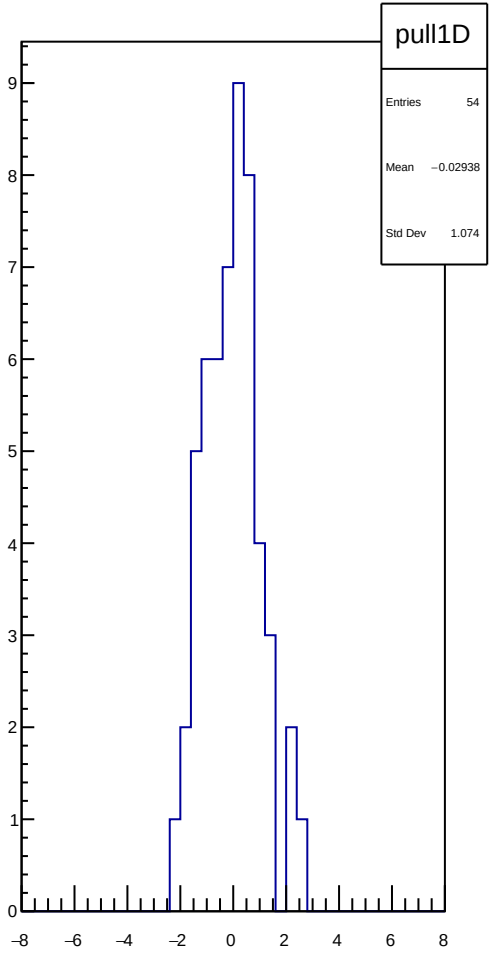

diff_bpm0l10Y_rms vs run
χ² / ndf 740.6 / 53
p0 1011 ± 0.9819
1120
1100
1080
1060
1040
1020
1000
980
960
940

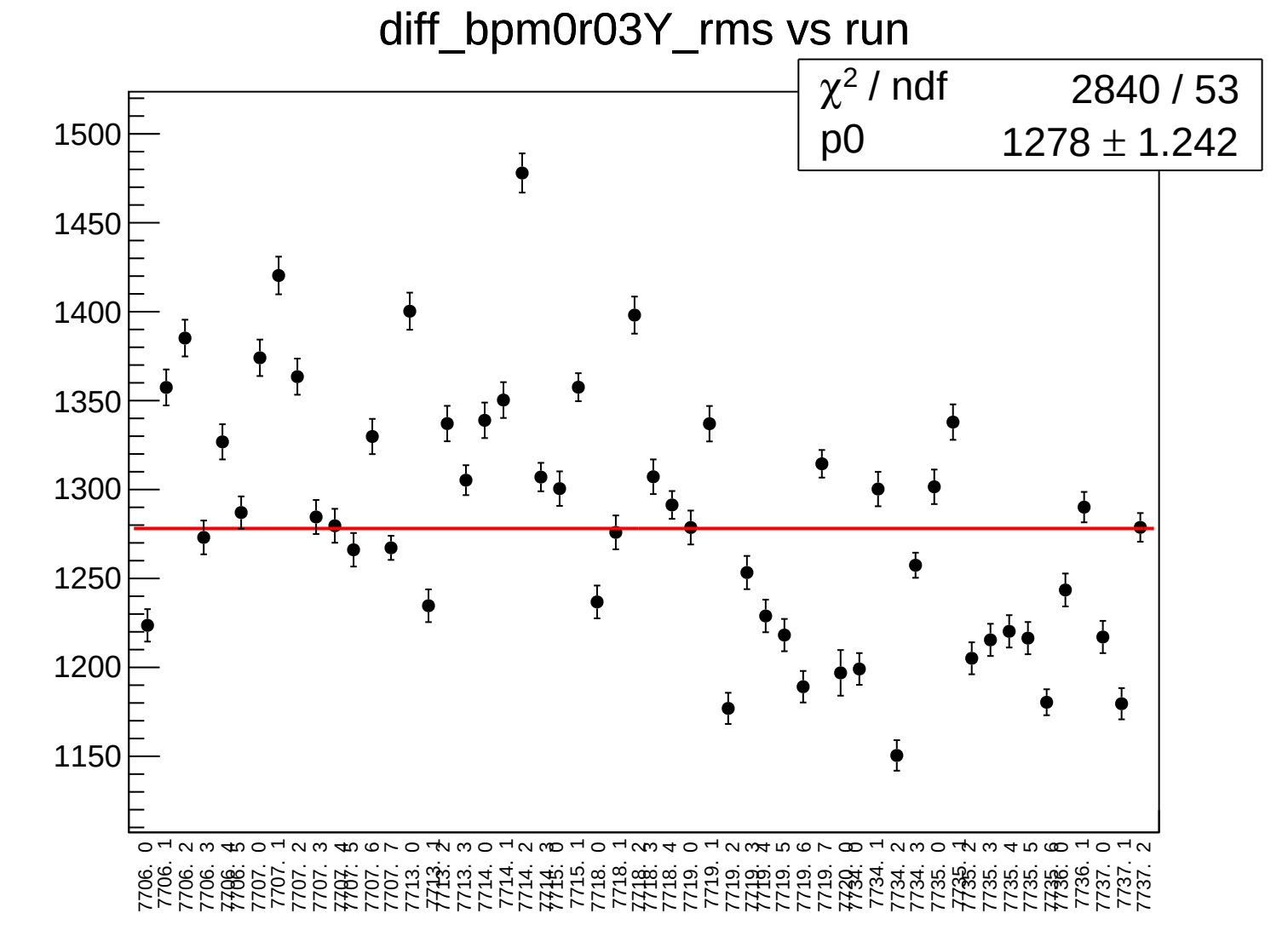

diff_bpm0r03X_mean vs run
χ² / ndf 63.39 / 53
p0 −86.34 ± 72.66
pull
Entries 54
Mean −45.53
Std Dev 0

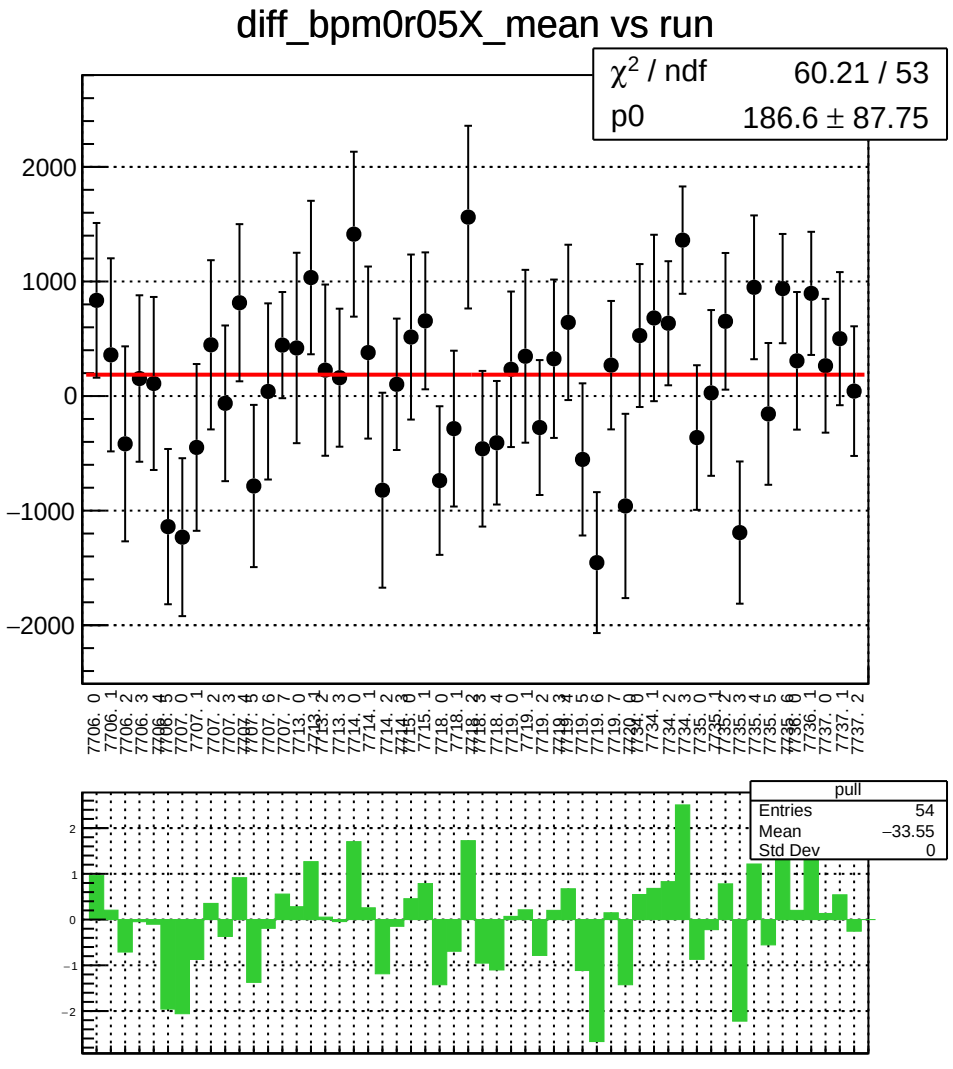

pull1D
Entries 54
Mean 0.05424
Std Dev 1.082

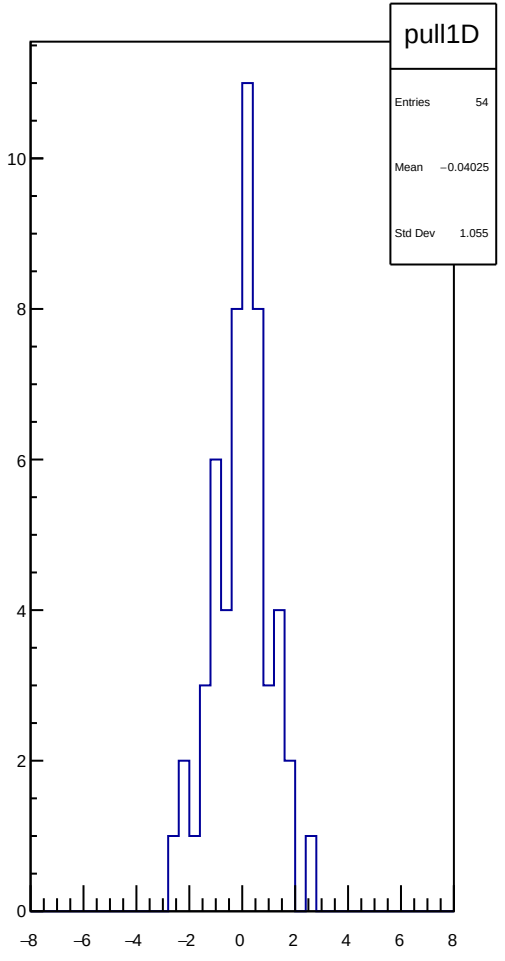

diff_bpm0r03X_rms vs run
χ² / ndf 9870 / 53
p0 5.27e+04 ± 51.38
65000
60000
55000
50000
45000

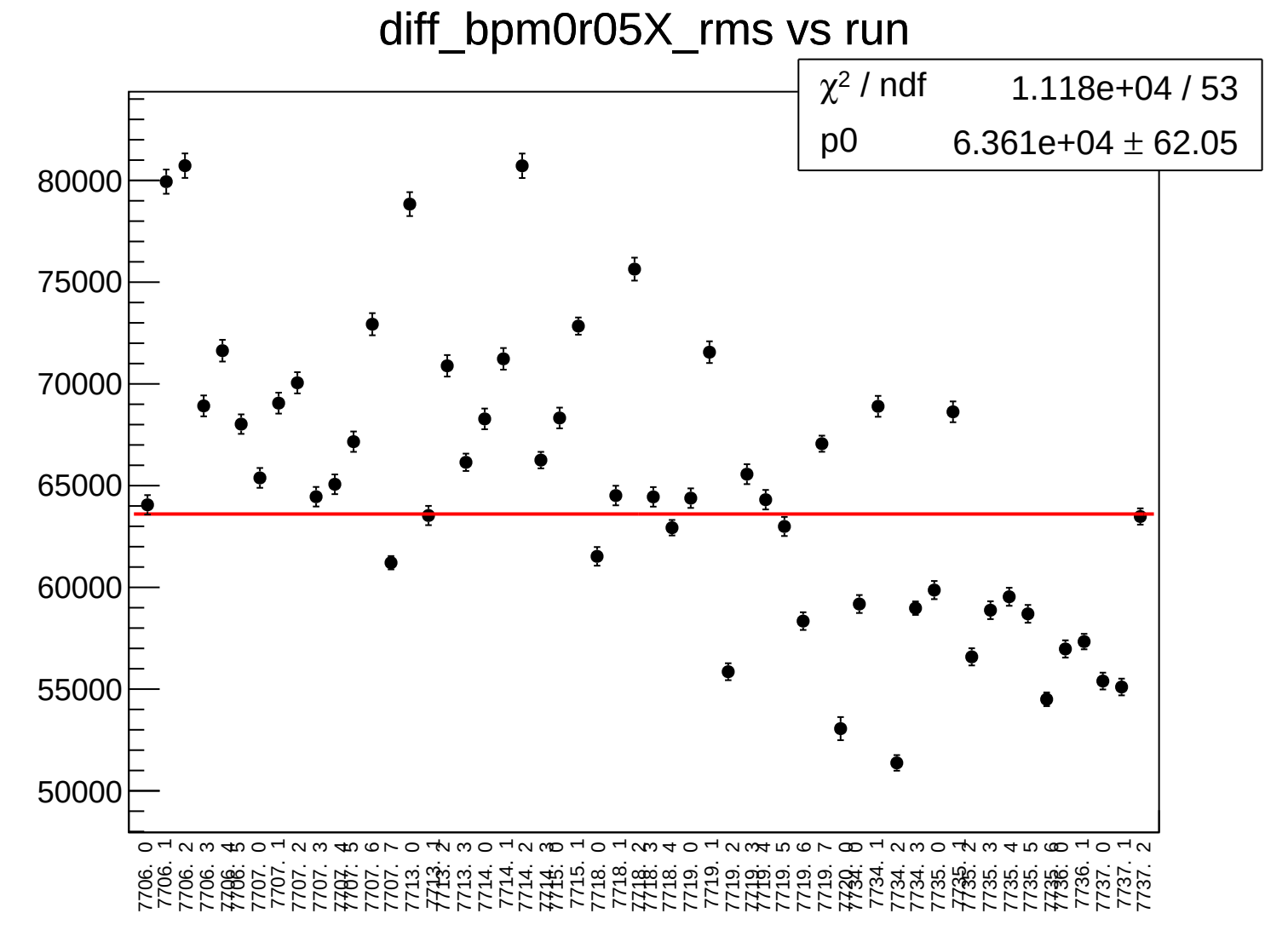

diff_bpm0r03Y_mean vs run
χ² / ndf 62.37 / 53
p0 −9.456 ± 1.756
pull
Entries 54
Mean −127.4
Std Dev 0

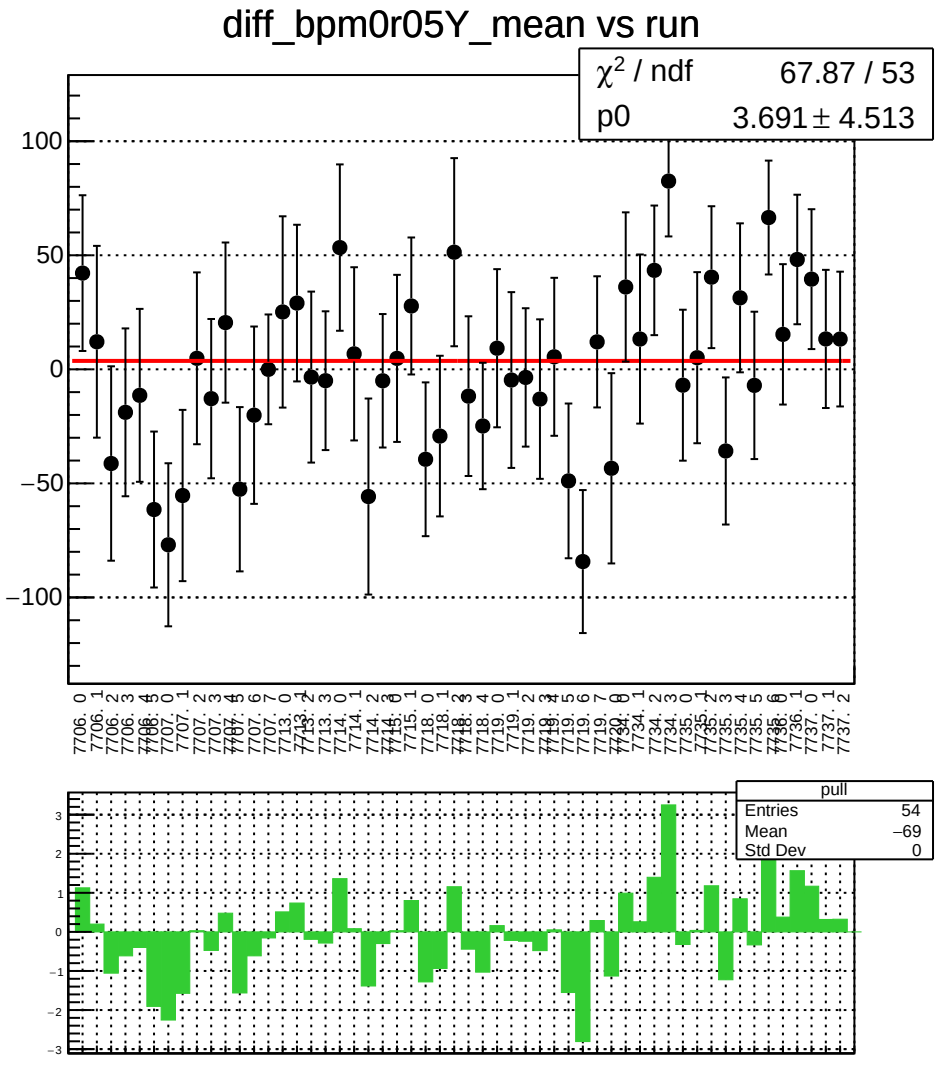

pull1D
Entries 54
Mean −0.02938
Std Dev 1.074

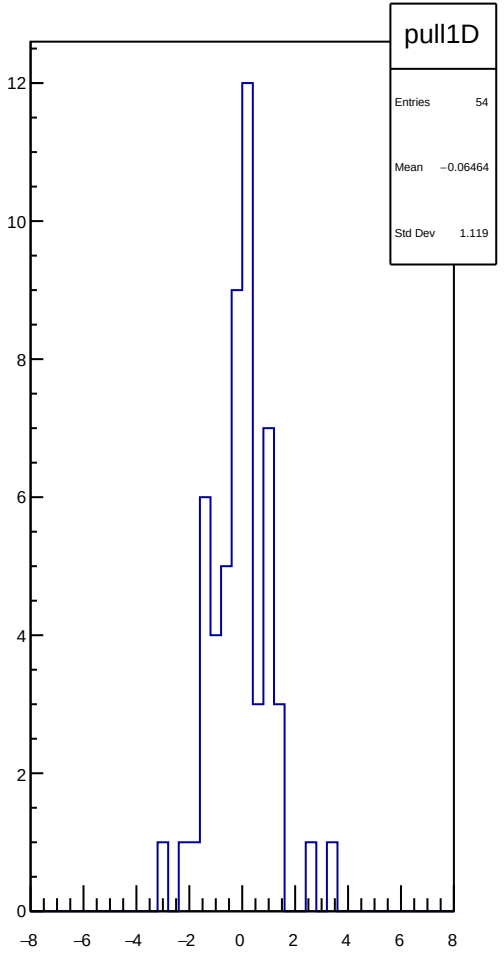

diff_bpm0r03Y_rms vs run
χ² / ndf 2840 / 53
p0 1278 ± 1.242
1500
1450
1400
1350
1300
1250
1200
1150

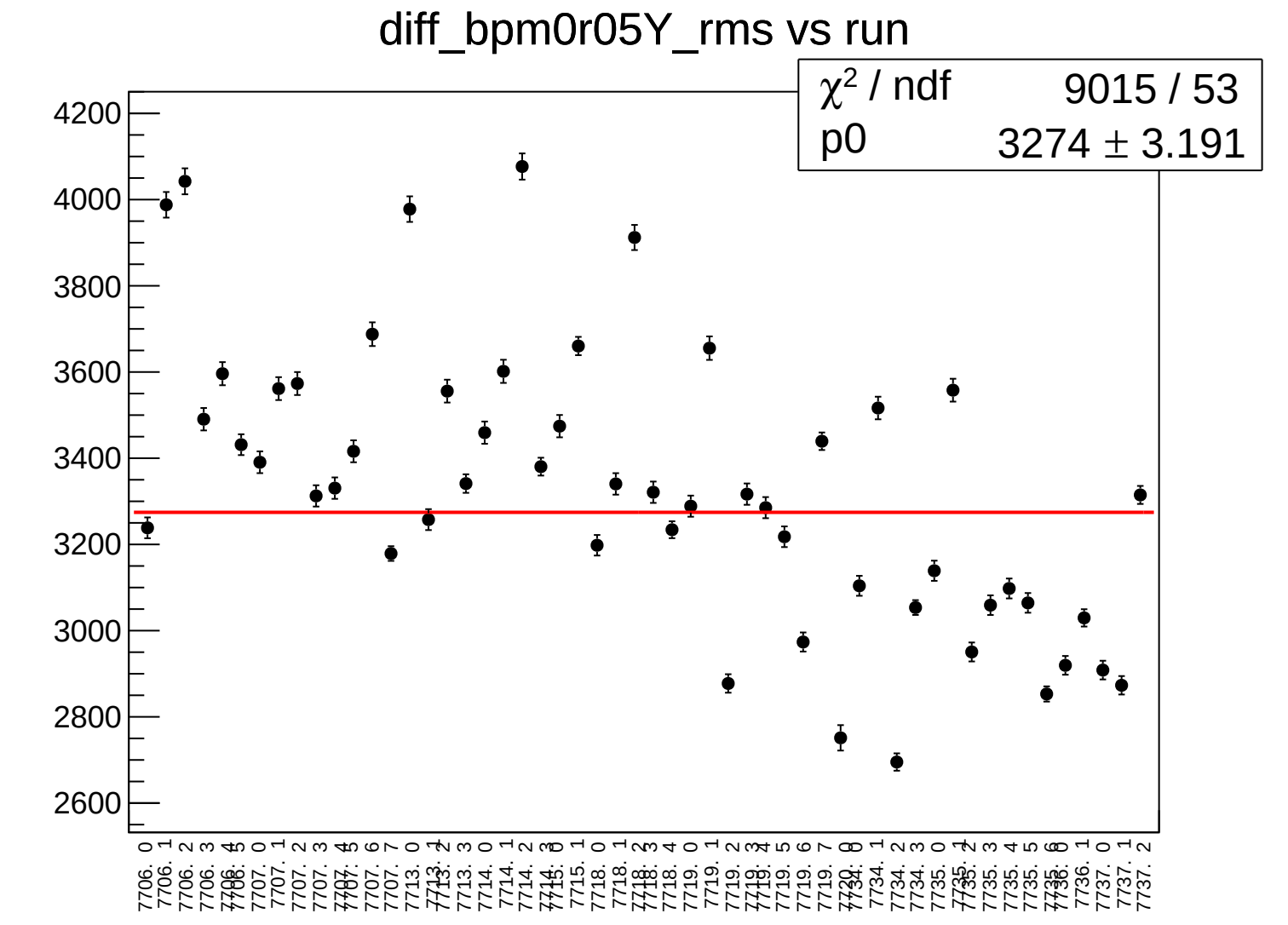

diff_bpm0r05X_mean vs run
χ² / ndf 60.21 / 53
p0 186.6 ± 87.75
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −33.55
Std Dev 0
2
1
0
−1
−2

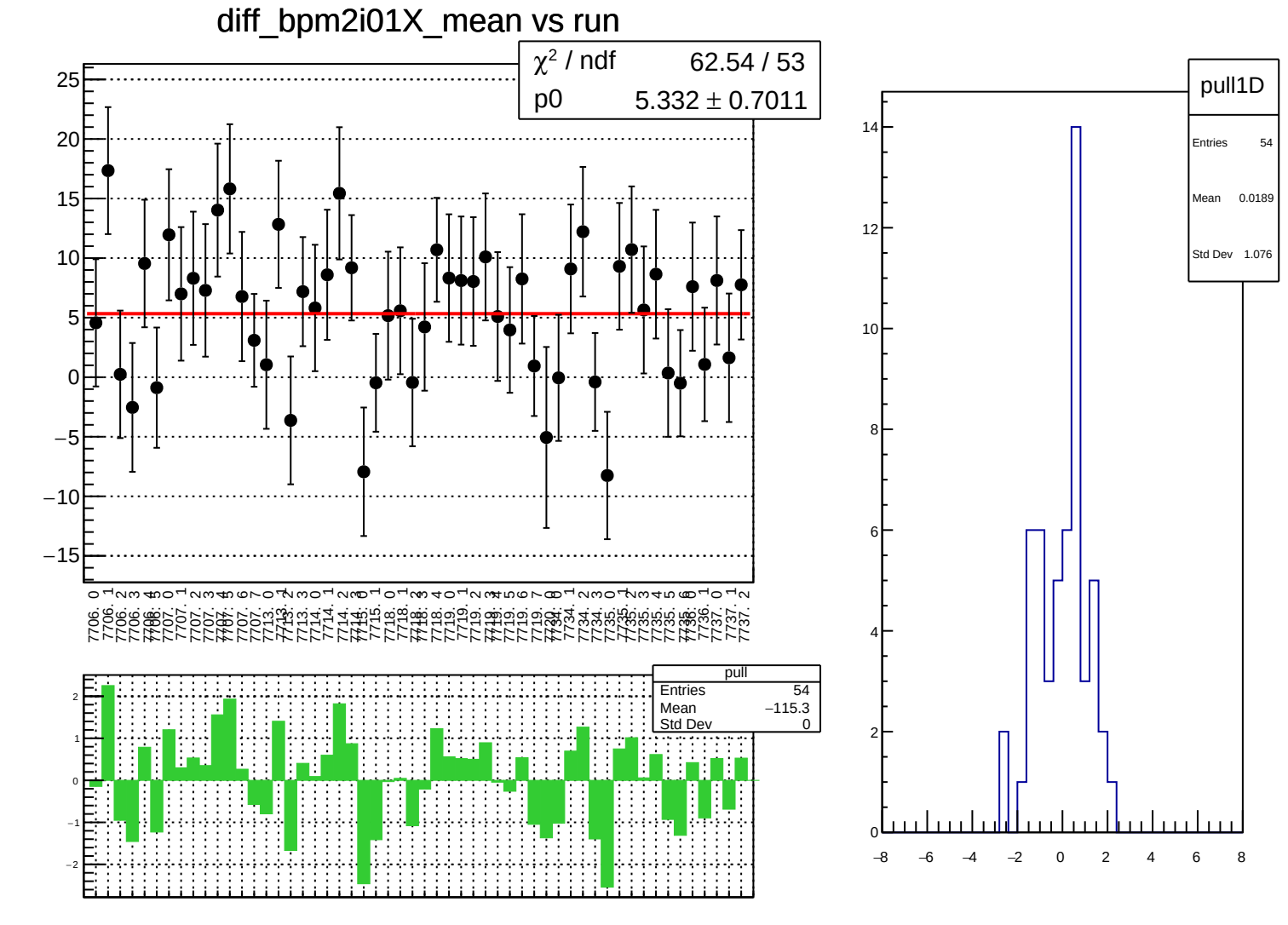

pull1D
Entries 54
Mean −0.04025
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

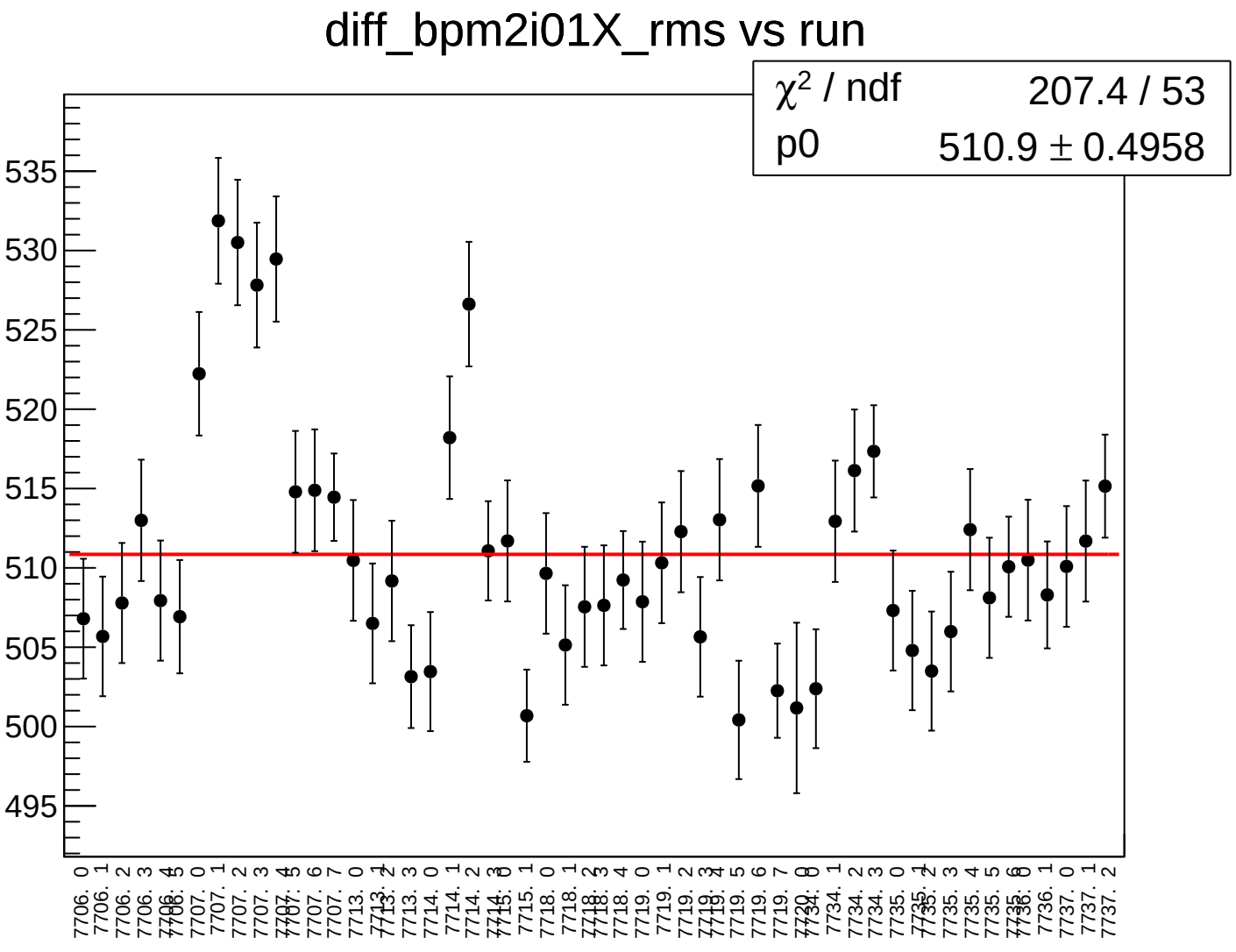

diff_bpm0r05X_rms vs run
χ² / ndf 1.118e+04 / 53
p0 6.361e+04 ± 62.05
80000
75000
70000
65000
60000
55000
50000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

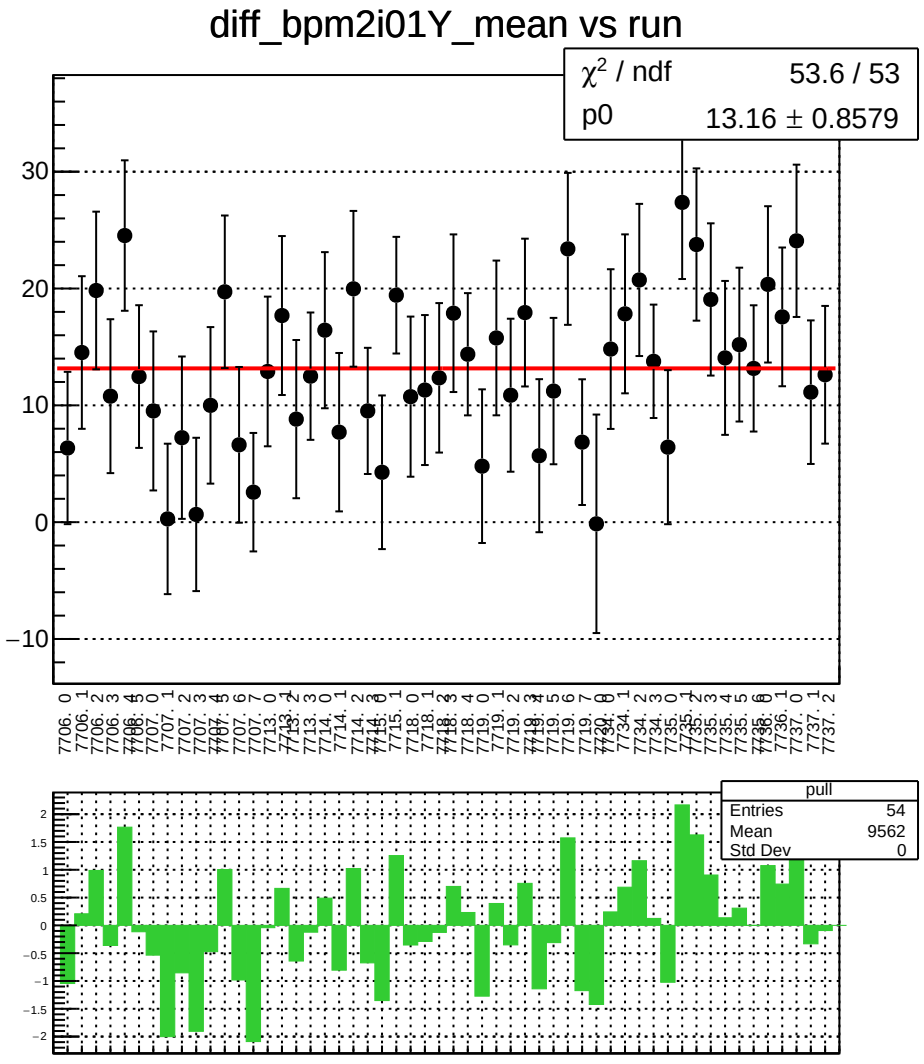

diff_bpm0r05Y_mean vs run
χ² / ndf 67.87 / 53
p0 3.691 ± 4.513
pull
Entries 54
Mean −69
Std Dev 0

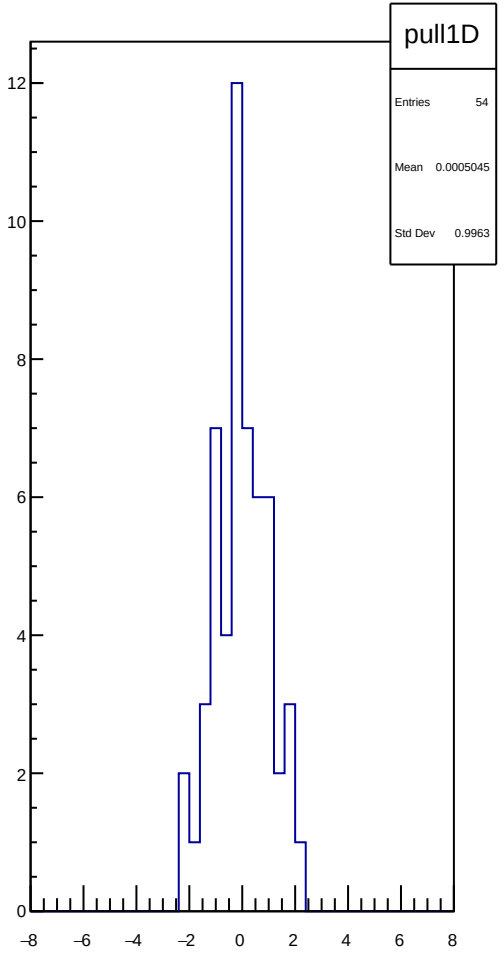

pull1D
Entries 54
Mean −0.06464
Std Dev 1.119

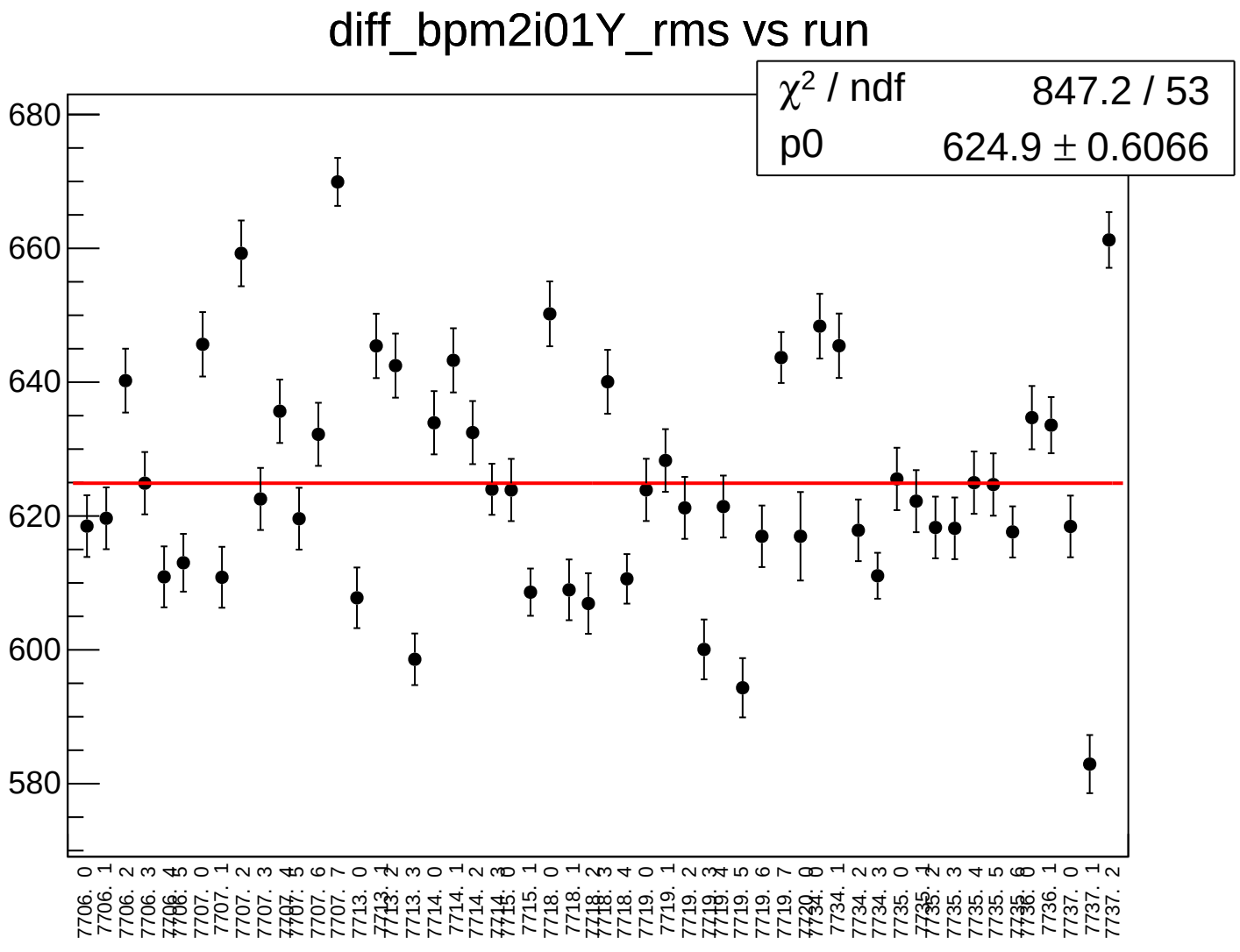

diff_bpm0r05Y_rms vs run
χ² / ndf 9015 / 53
p0 3274 ± 3.191
4200
4000
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

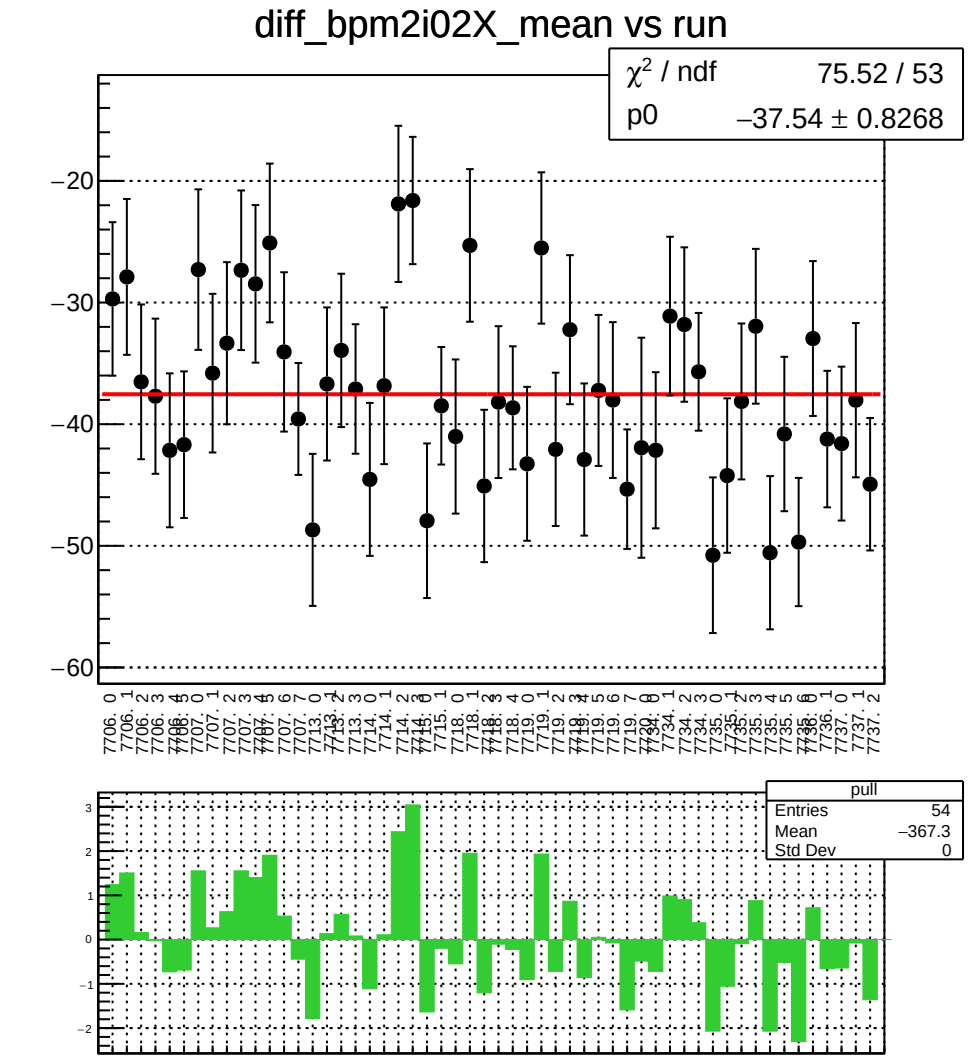

diff_bpm2i01X_mean vs run
χ² / ndf 62.54 / 53
p0 5.332 ± 0.7011
pull
Entries 54
Mean −115.3
Std Dev 0
pull1D
Entries 54
Mean 0.0189
Std Dev 1.076

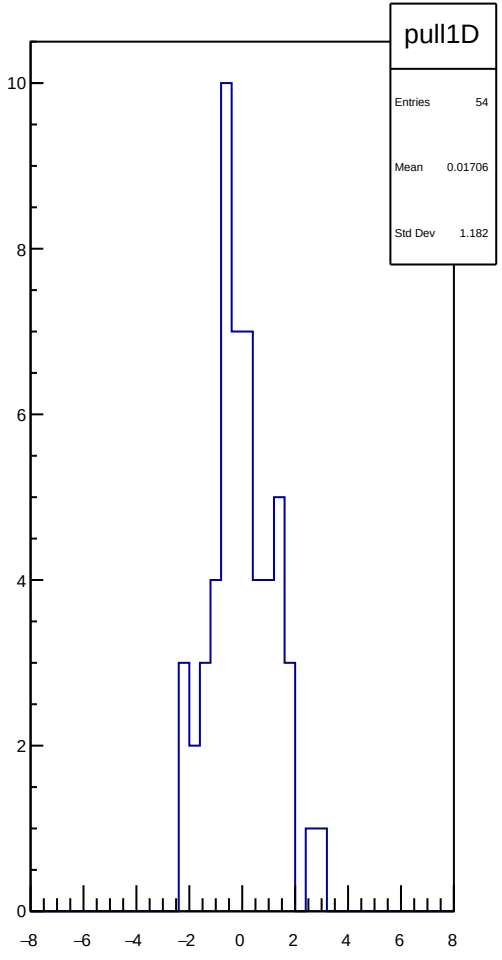

diff_bpm2i01X_rms vs run
χ² / ndf 207.4 / 53
p0 510.9 ± 0.4958
535
530
525
520
515
510
505
500
495
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

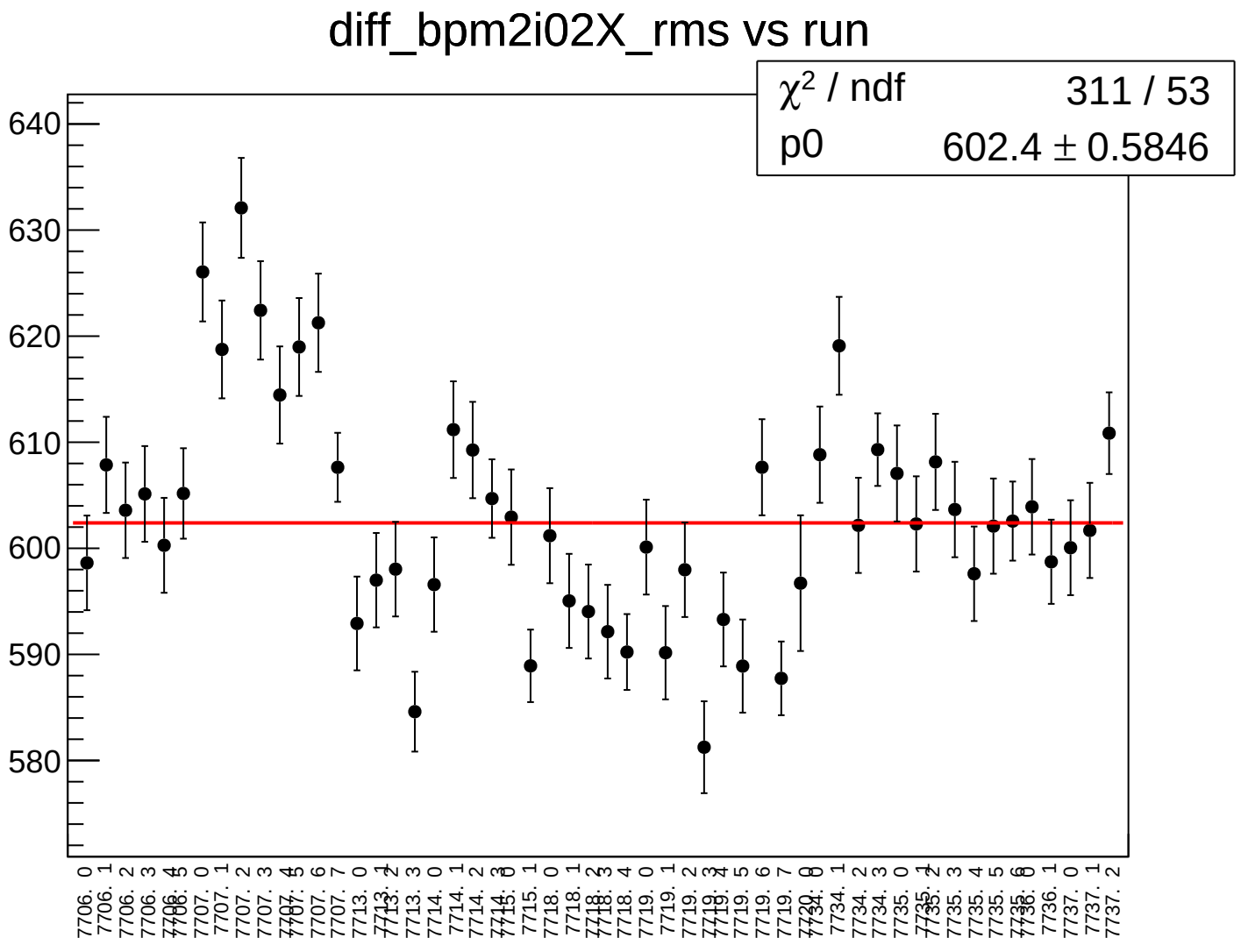

diff_bpm2i01Y_mean vs run
χ² / ndf 53.6 / 53
p0 13.16 ± 0.8579
pull
Entries 54
Mean 9562
Std Dev 0

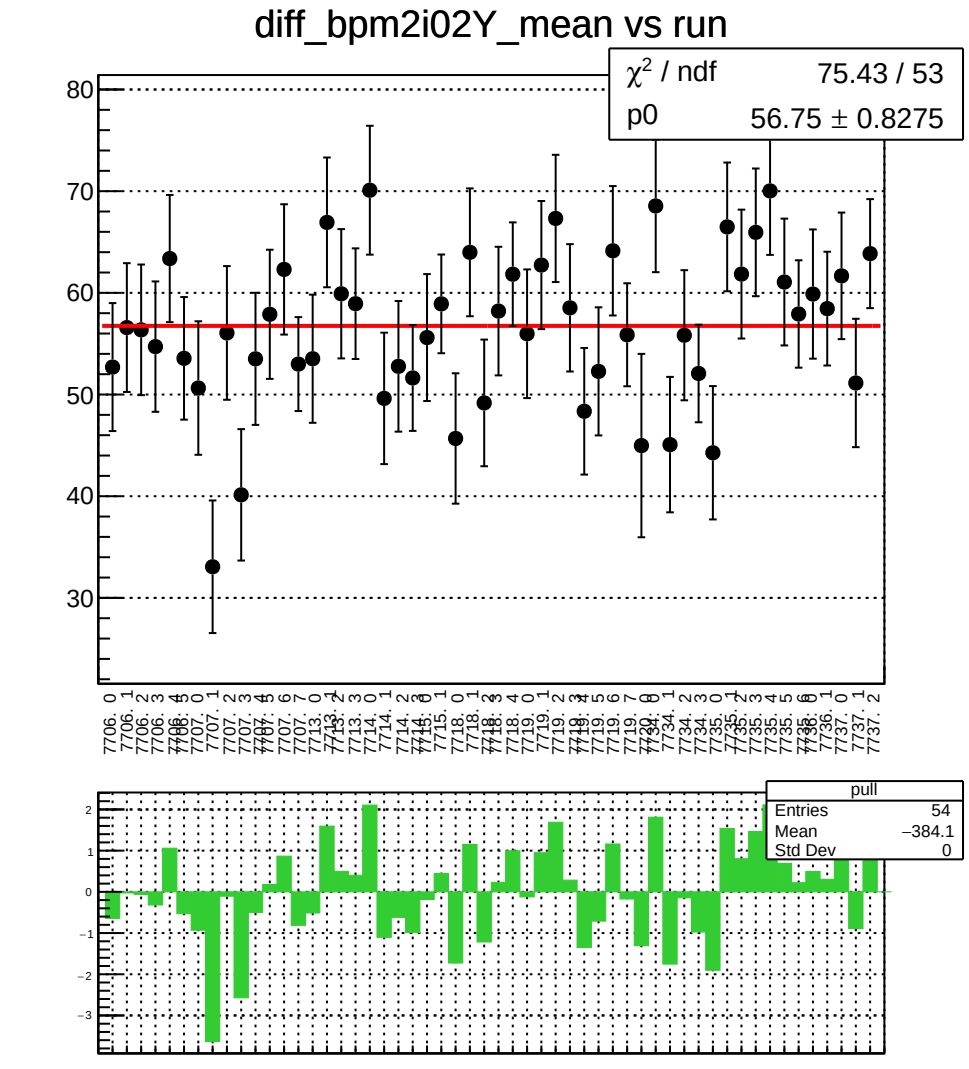

pull1D
Entries 54
Mean 0.0005045
Std Dev 0.9963

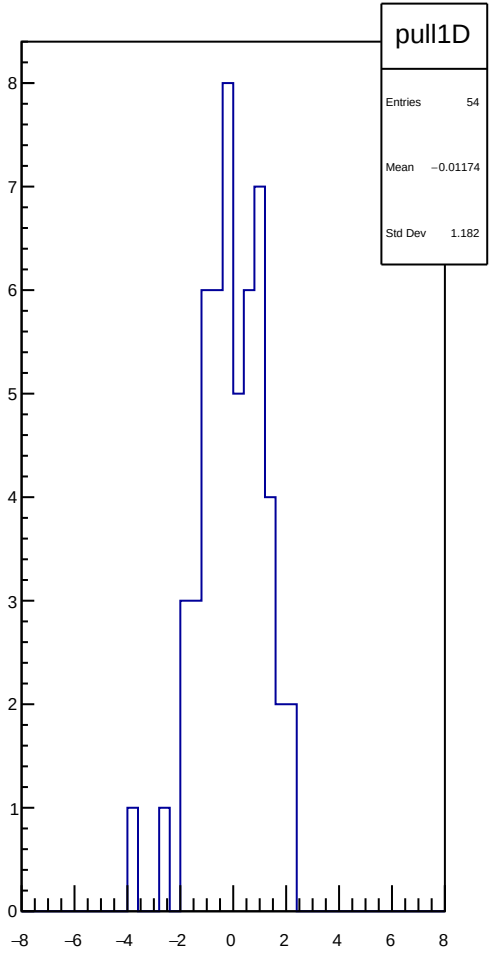

diff_bpm2i01Y_rms vs run
χ² / ndf 847.2 / 53
p0 624.9 ± 0.6066
680
660
640
620
600
580
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

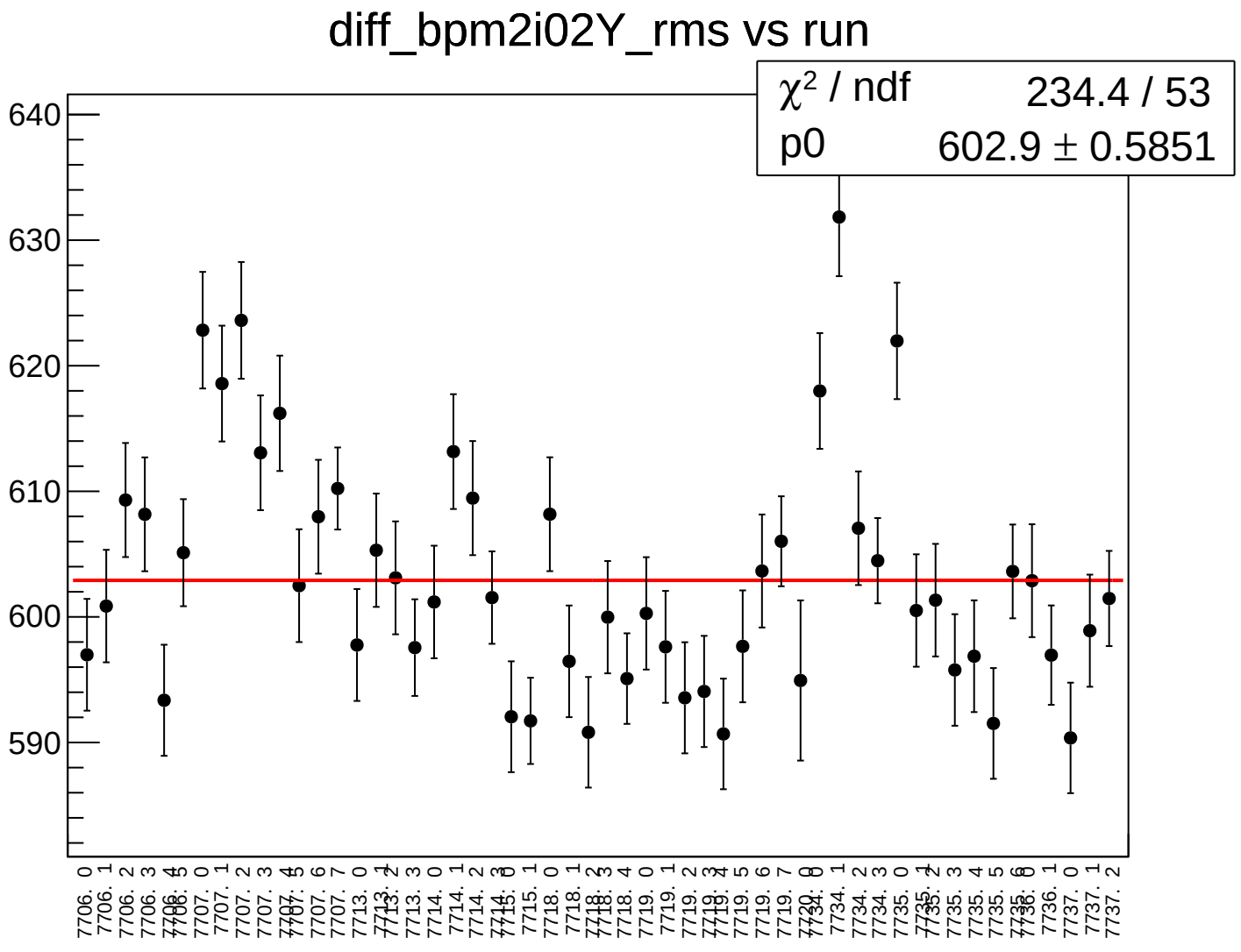

diff_bpm2i02X_mean vs run
χ² / ndf 75.52 / 53
p0 −37.54 ± 0.8268
pull
Entries 54
Mean −367.3
Std Dev 0

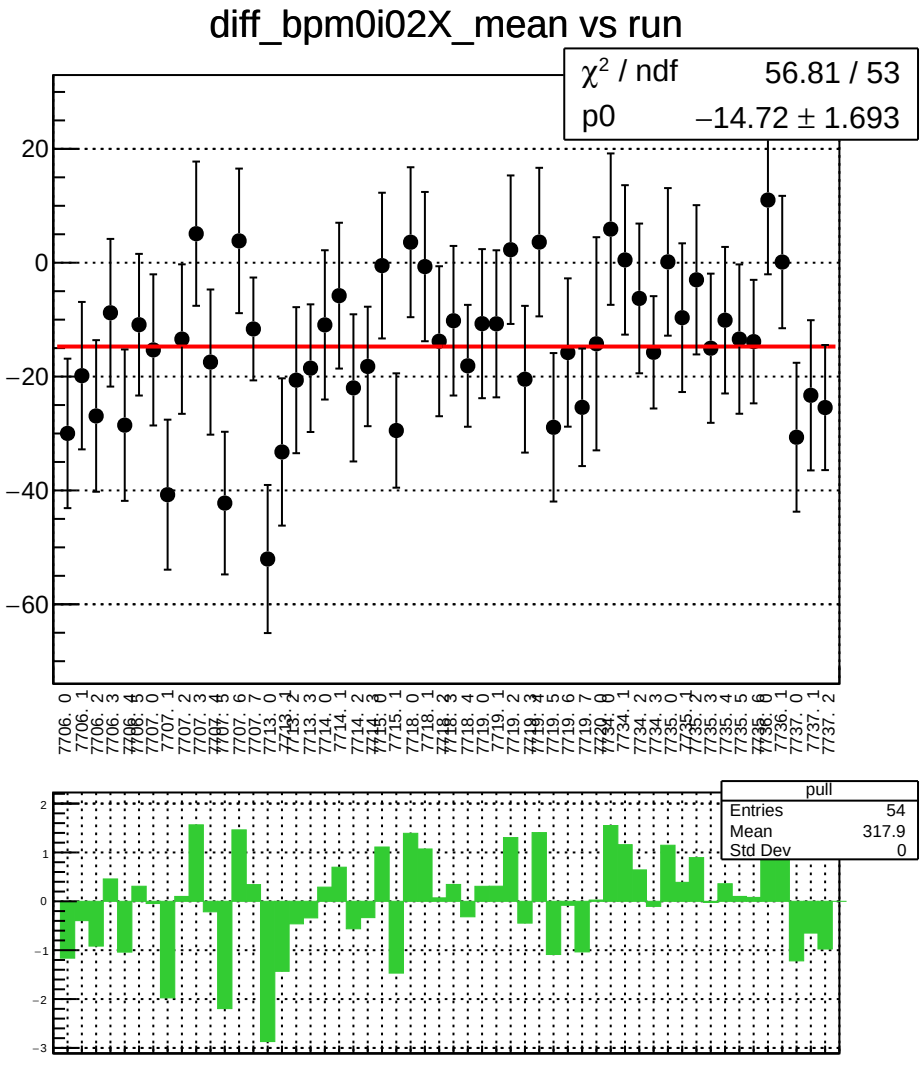

pull1D
Entries 54
Mean 0.01706
Std Dev 1.182

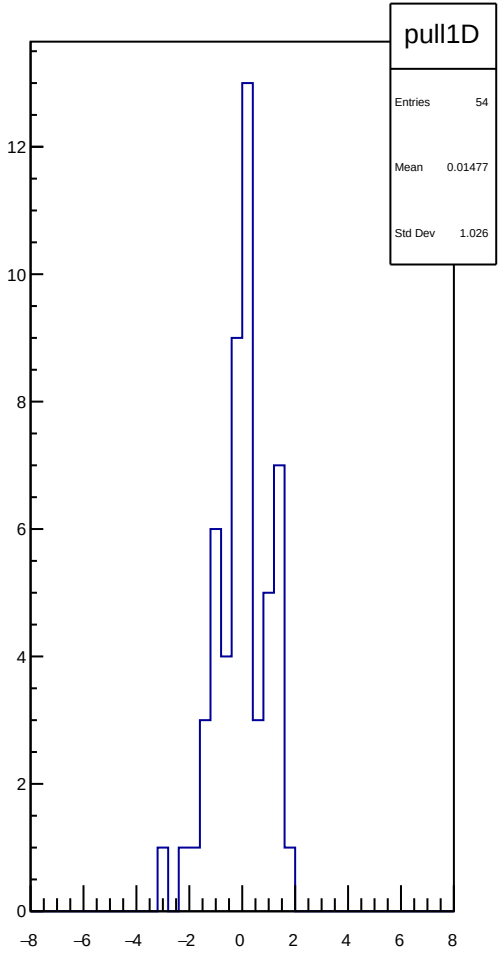

diff_bpm2i02X_rms vs run
χ² / ndf 311 / 53
p0 602.4 ± 0.5846
640
630
620
610
600
590
580

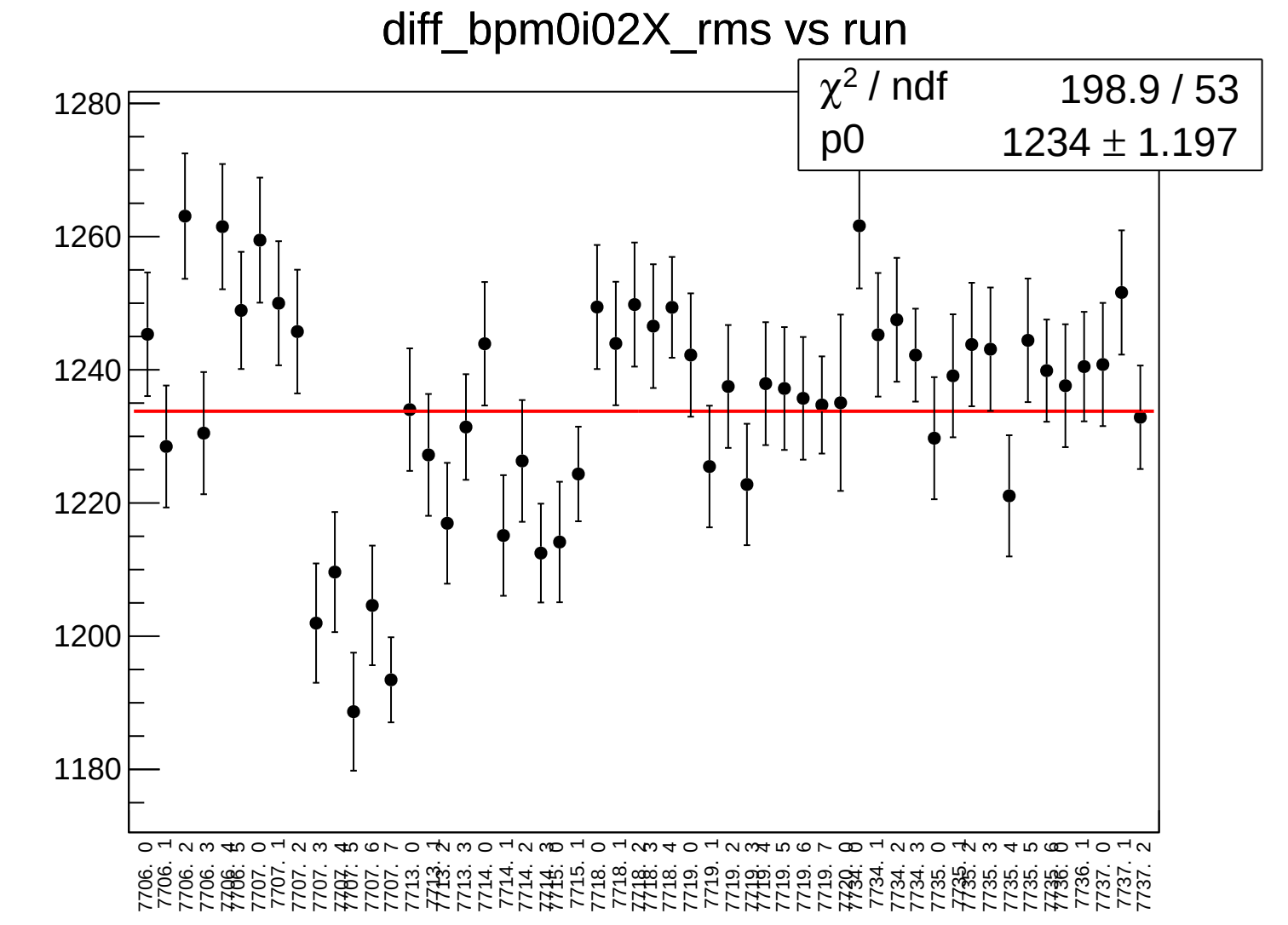

diff_bpm2i02Y_mean vs run
χ² / ndf 75.43 / 53
p0 56.75 ± 0.8275
pull
Entries 54
Mean −384.1
Std Dev 0

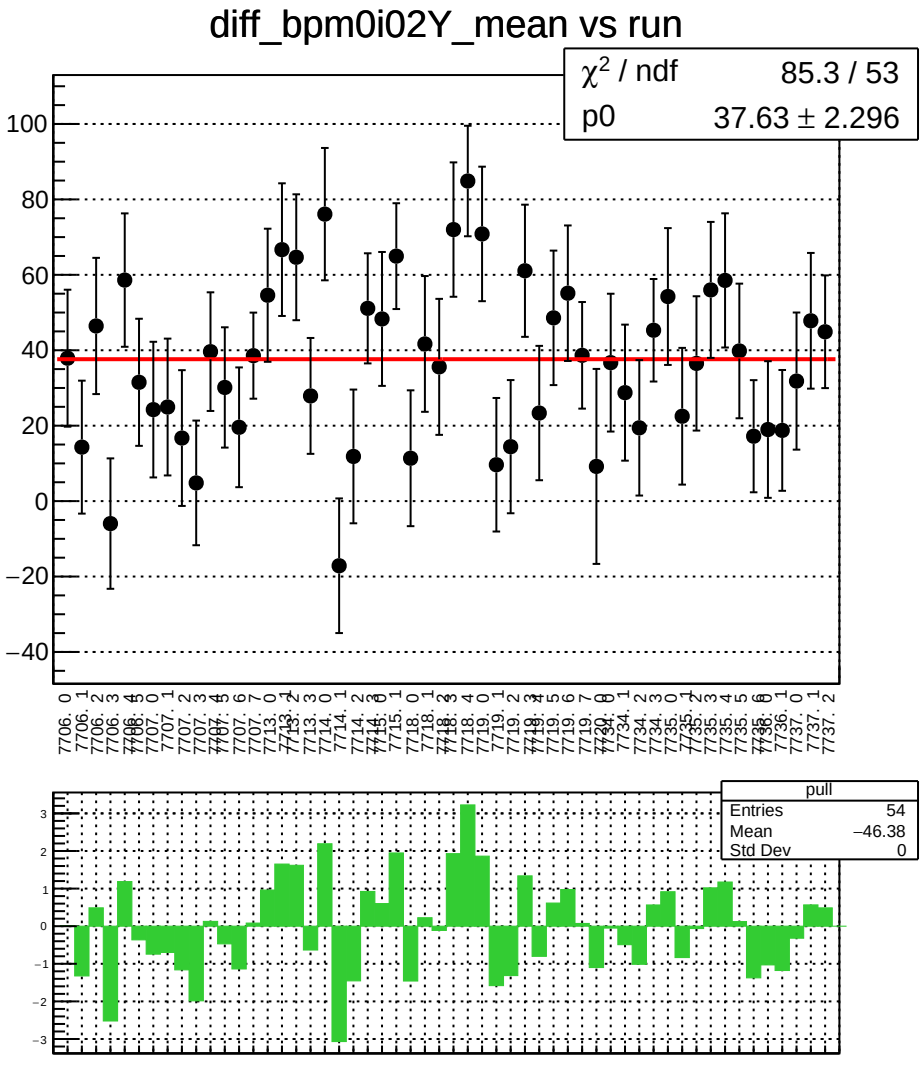

pull1D
Entries 54
Mean −0.01174
Std Dev 1.182

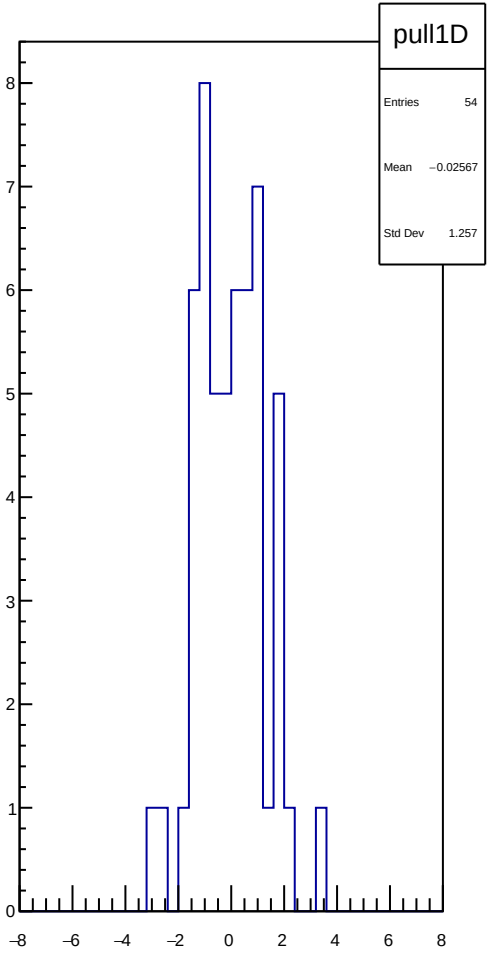

diff_bpm2i02Y_rms vs run
χ² / ndf 234.4 / 53
p0 602.9 ± 0.5851
640
630
620
610
600
590

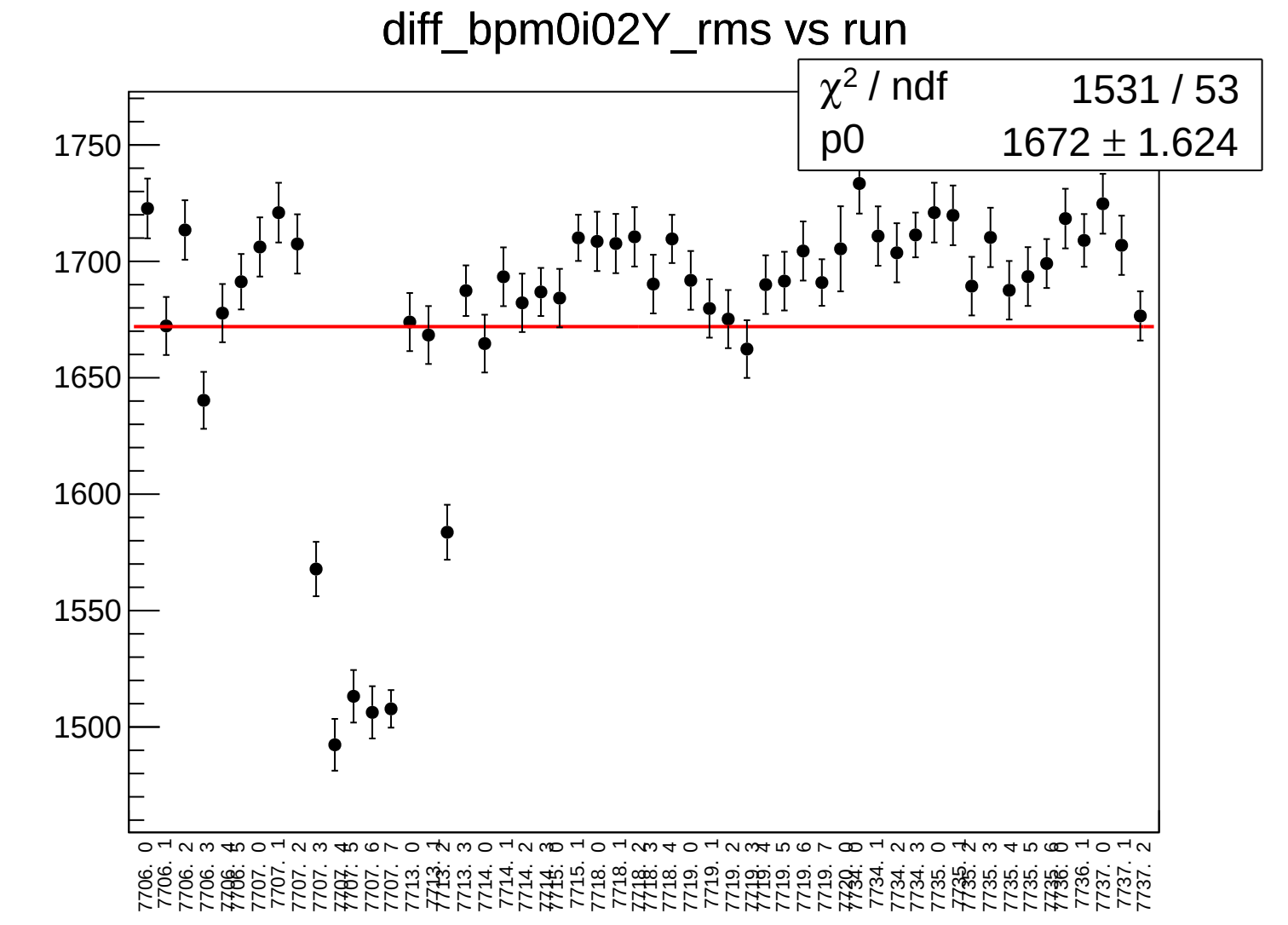

diff_bpm0i02X_mean vs run
χ² / ndf 56.81 / 53
p0 −14.72 ± 1.693
pull
Entries 54
Mean 317.9
Std Dev 0

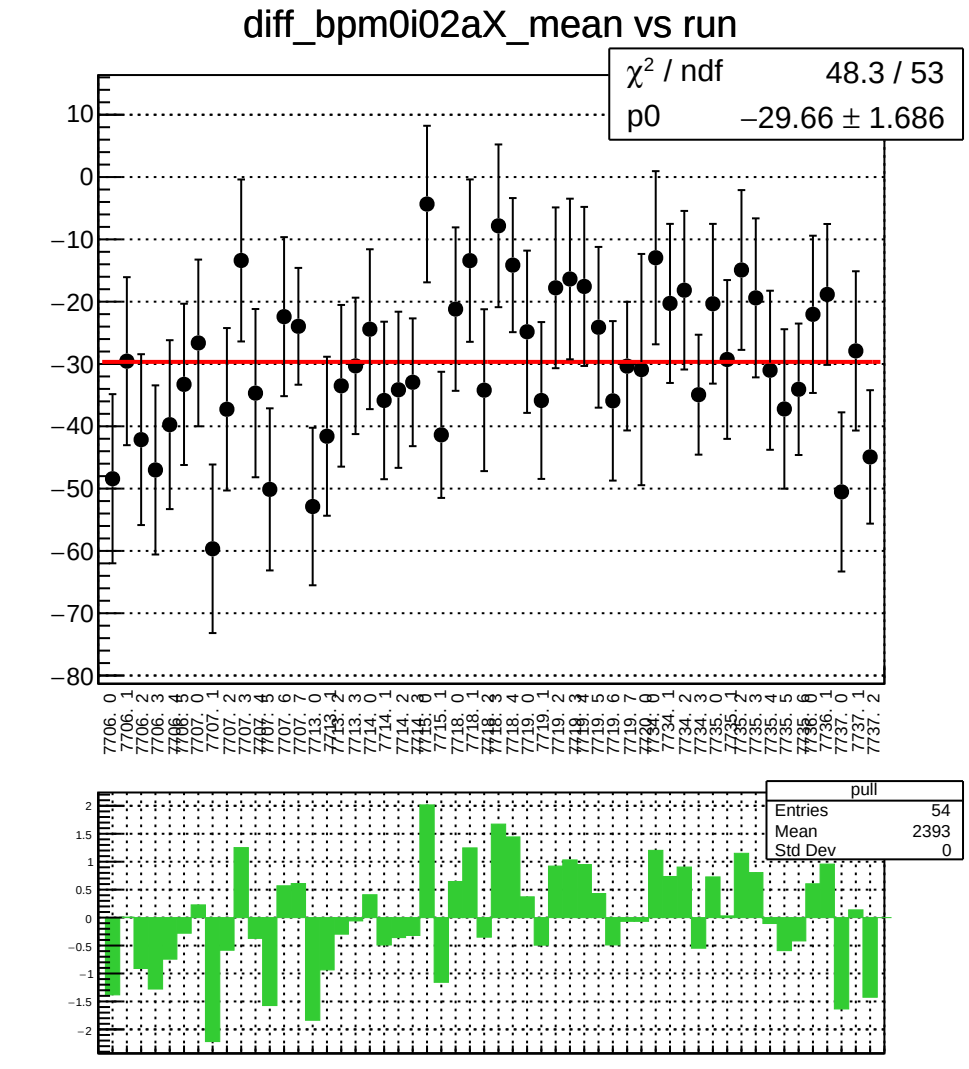

pull1D
Entries 54
Mean 0.01477
Std Dev 1.026

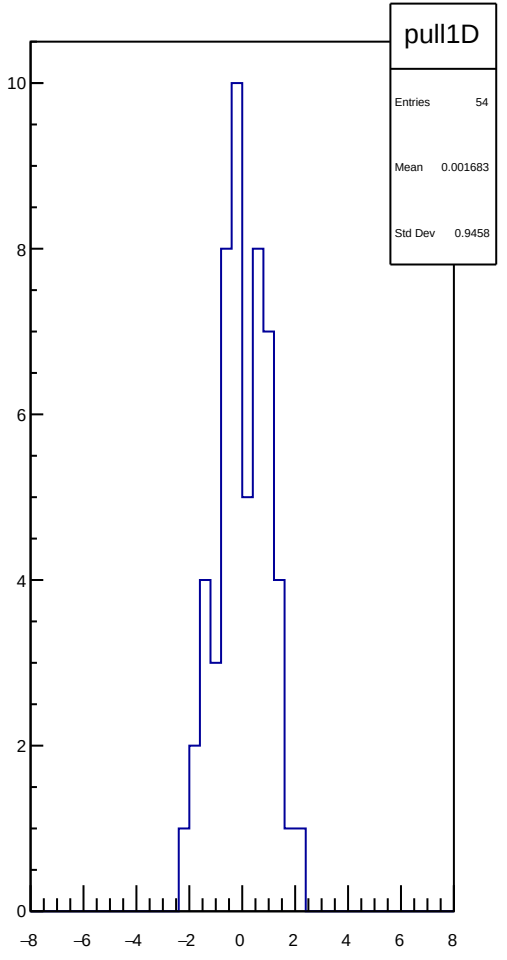

diff_bpm0i02X_rms vs run
χ² / ndf 198.9 / 53
p0 1234 ± 1.197
1280
1260
1240
1220
1200
1180

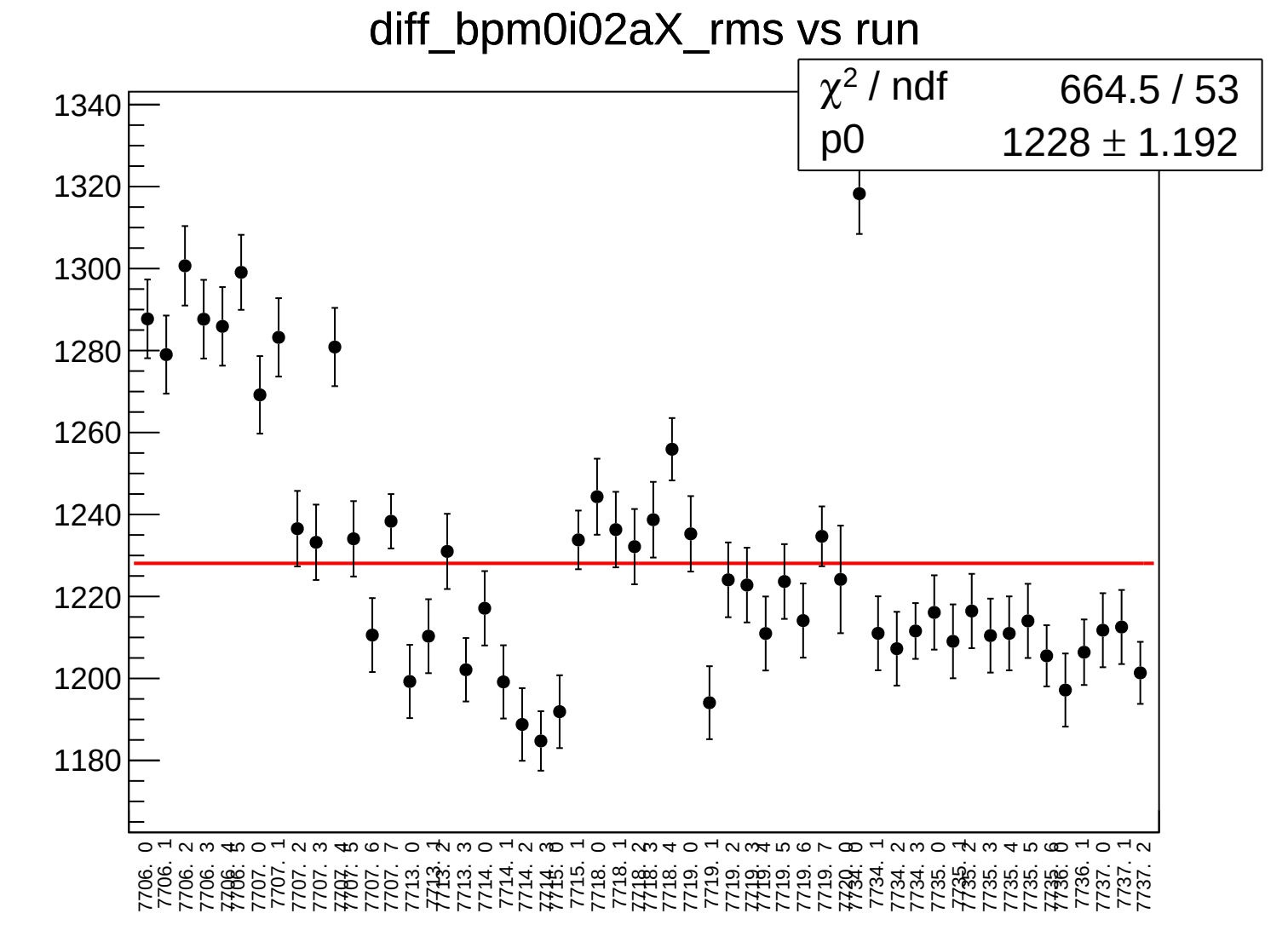

diff_bpm0i02Y_mean vs run
χ² / ndf 85.3 / 53
p0 37.63 ± 2.296
pull
Entries 54
Mean −46.38
Std Dev 0

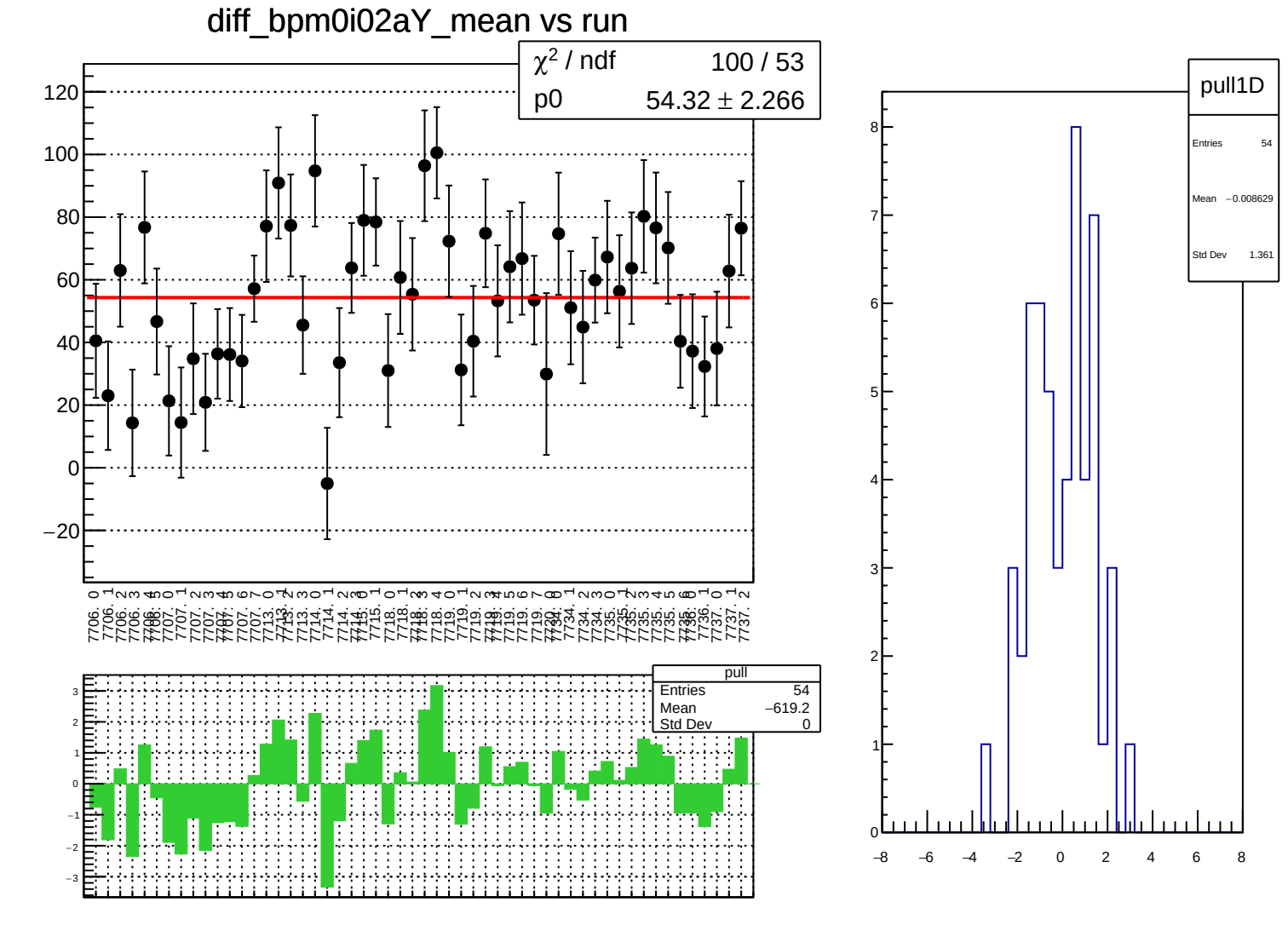

pull1D
Entries 54
Mean −0.02567
Std Dev 1.257

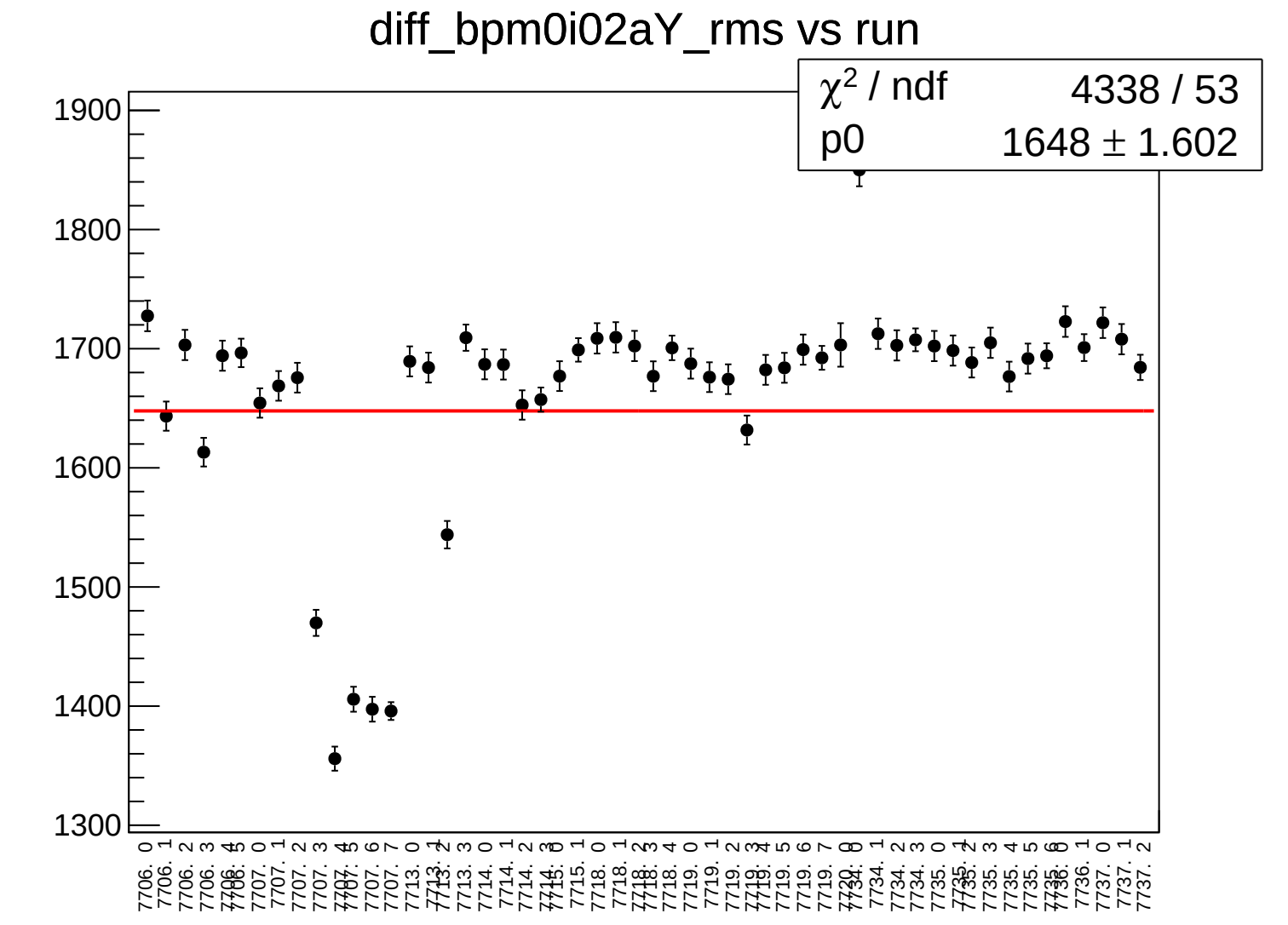

diff_bpm0i02Y_rms vs run
χ^2 / ndf 1531 / 53
p0 1672 ± 1.624
1750
1700
1650
1600
1550
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

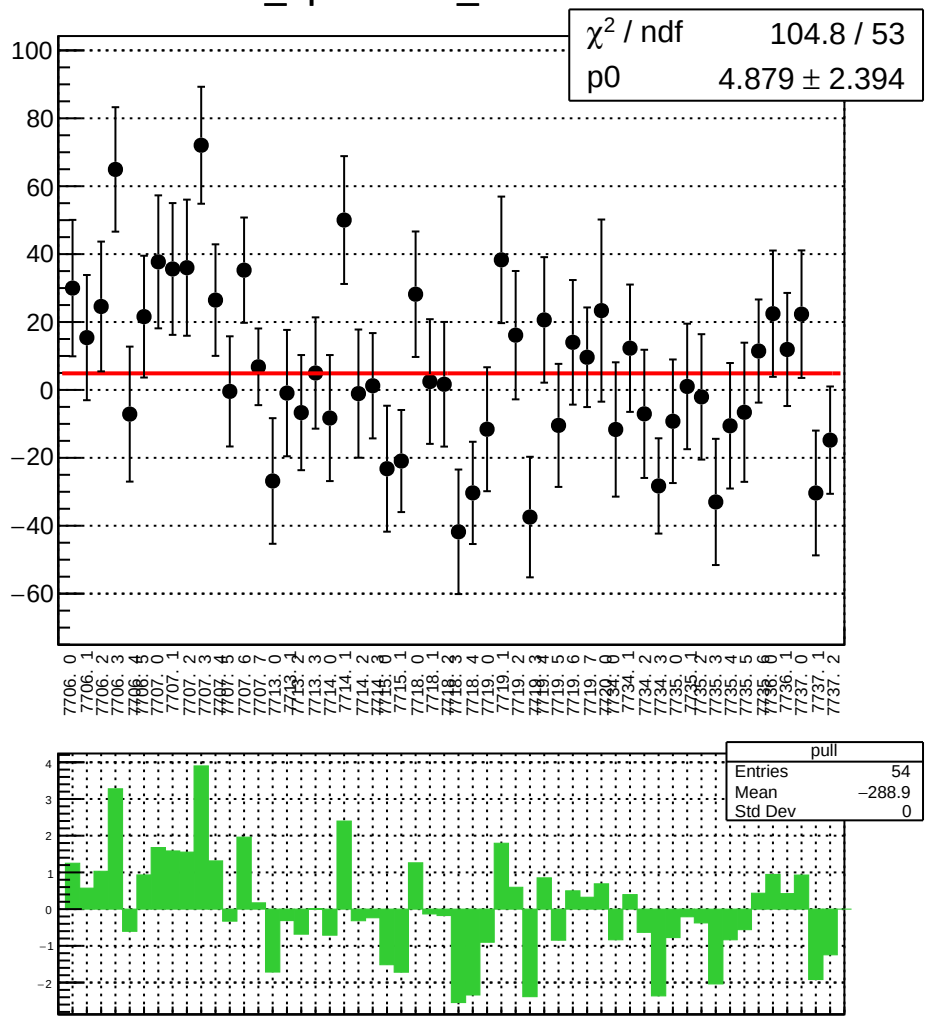

diff_bpm0i02aX_mean vs run
χ² / ndf 48.3 / 53
p0 −29.66 ± 1.686
pull
Entries 54
Mean 2393
Std Dev 0

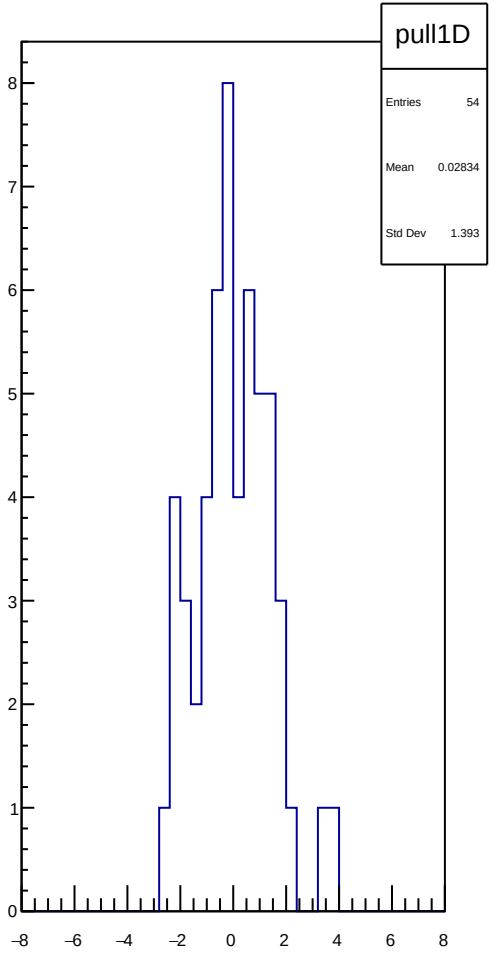

pull1D
Entries 54
Mean 0.001683
Std Dev 0.9458

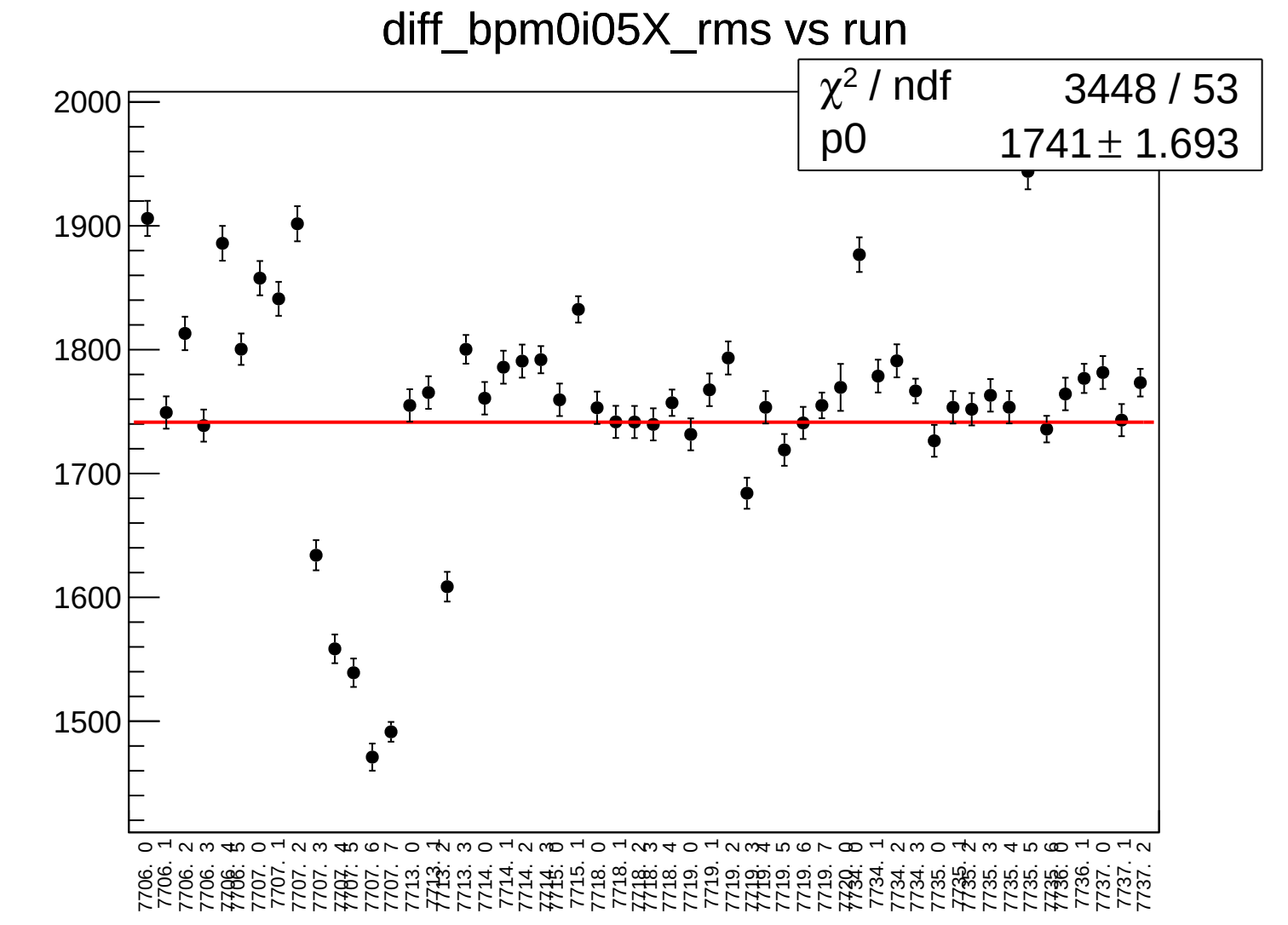

diff_bpm0i02aX_rms vs run
χ² / ndf 664.5 / 53
p0 1228 ± 1.192
1340
1320
1300
1280
1260
1240
1220
1200
1180

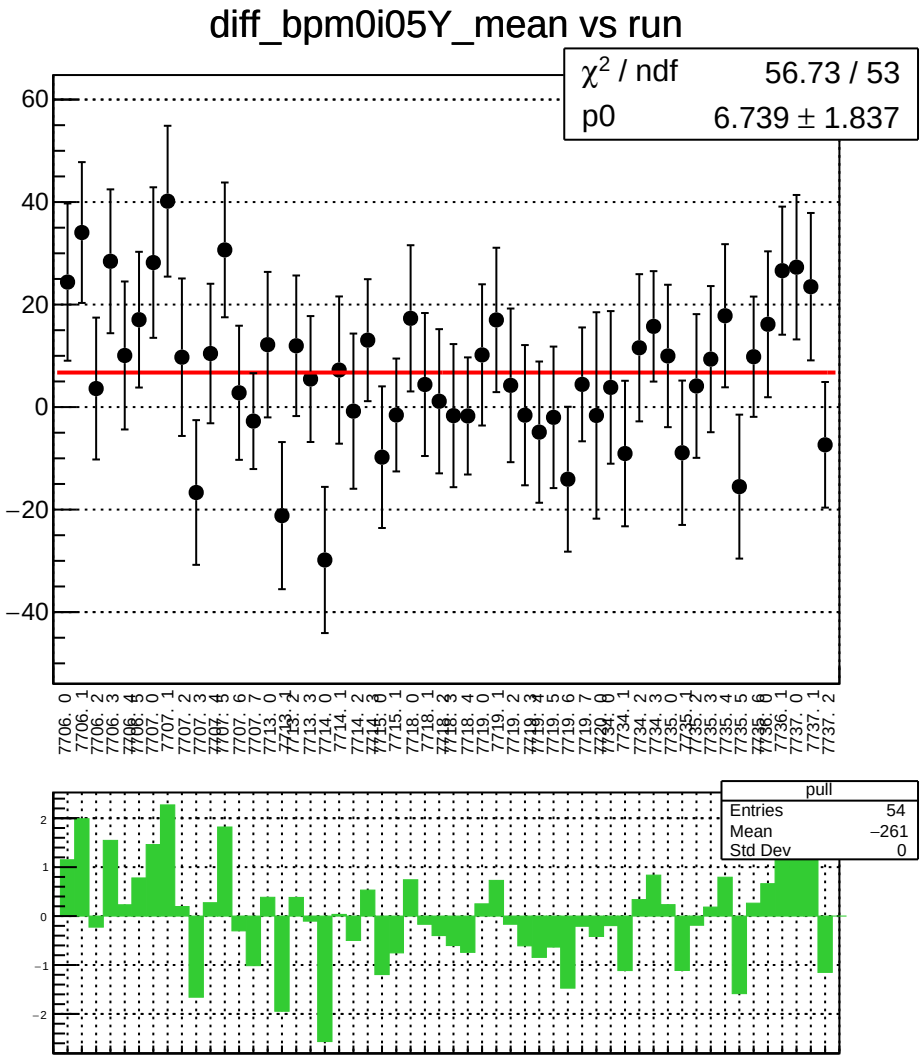

diff_bpm0i02aY_mean vs run
χ² / ndf 100 / 53
p0 54.32 ± 2.266
pull
Entries 54
Mean −619.2
Std Dev 0
pull1D
Entries 54
Mean −0.008629
Std Dev 1.361

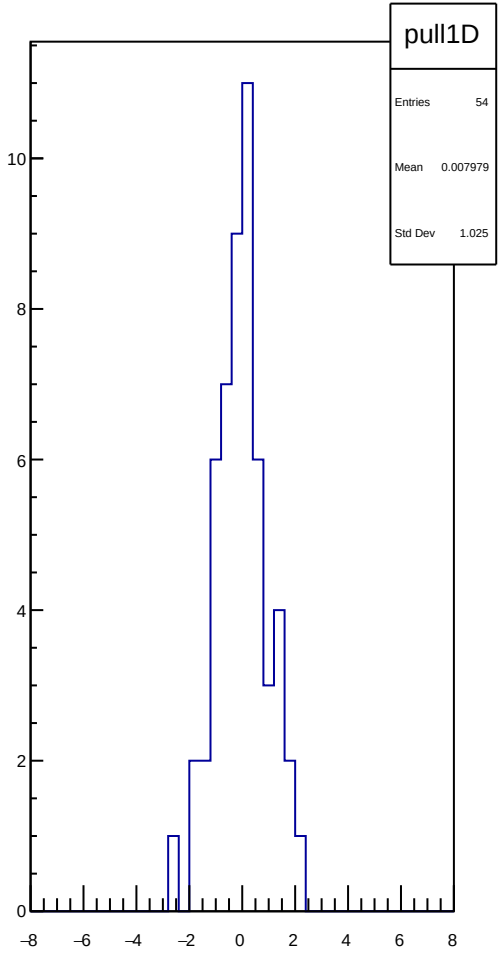

diff_bpm0i02aY_rms vs run
χ² / ndf 4338 / 53
p0 1648 ± 1.602
1900
1800
1700
1600
1500
1400
1300

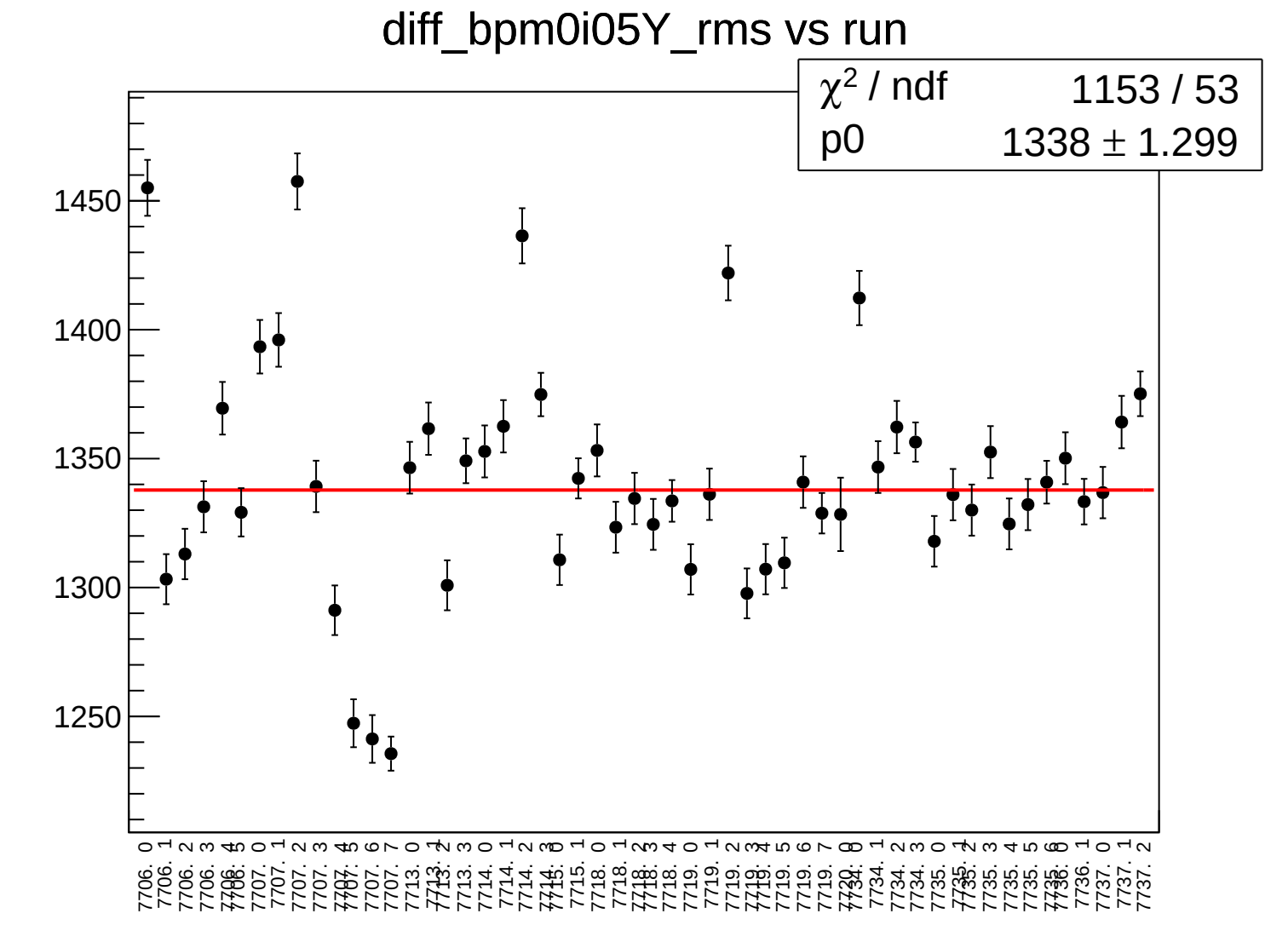

diff_bpm0i05X_mean vs run
χ^2 / ndf 104.8 / 53
p0 4.879 ± 2.394
pull
Entries 54
Mean −288.9
Std Dev 0

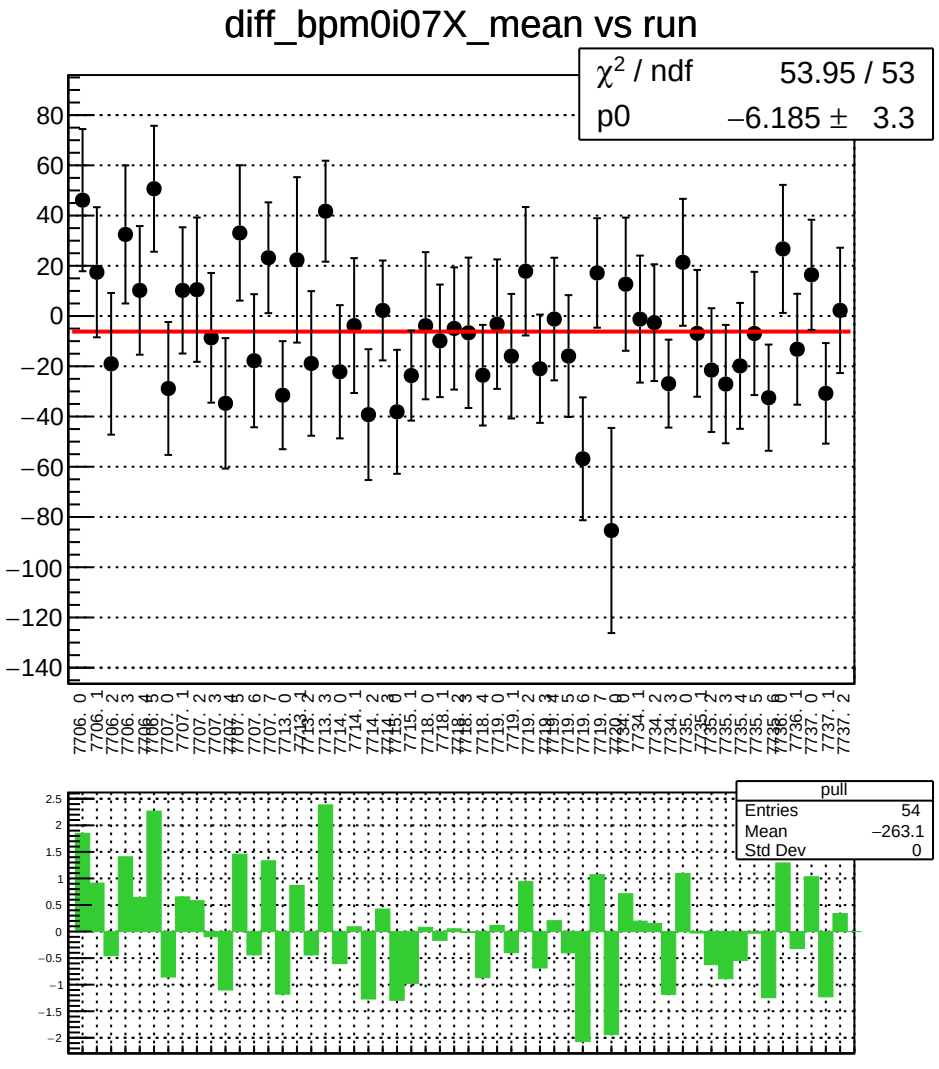

pull1D
Entries 54
Mean 0.02834
Std Dev 1.393

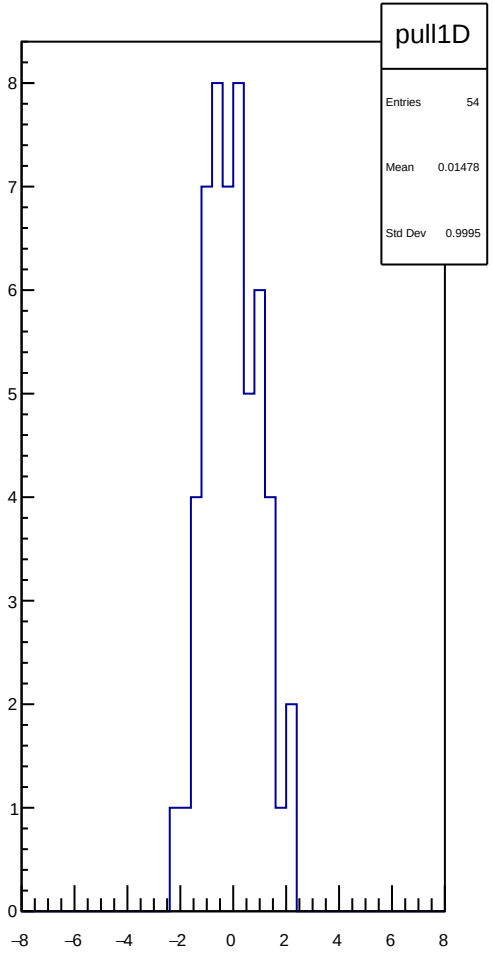

diff_bpm0i05X_rms vs run
χ² / ndf 3448 / 53
p0 1741 ± 1.693
2000
1900
1800
1700
1600
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

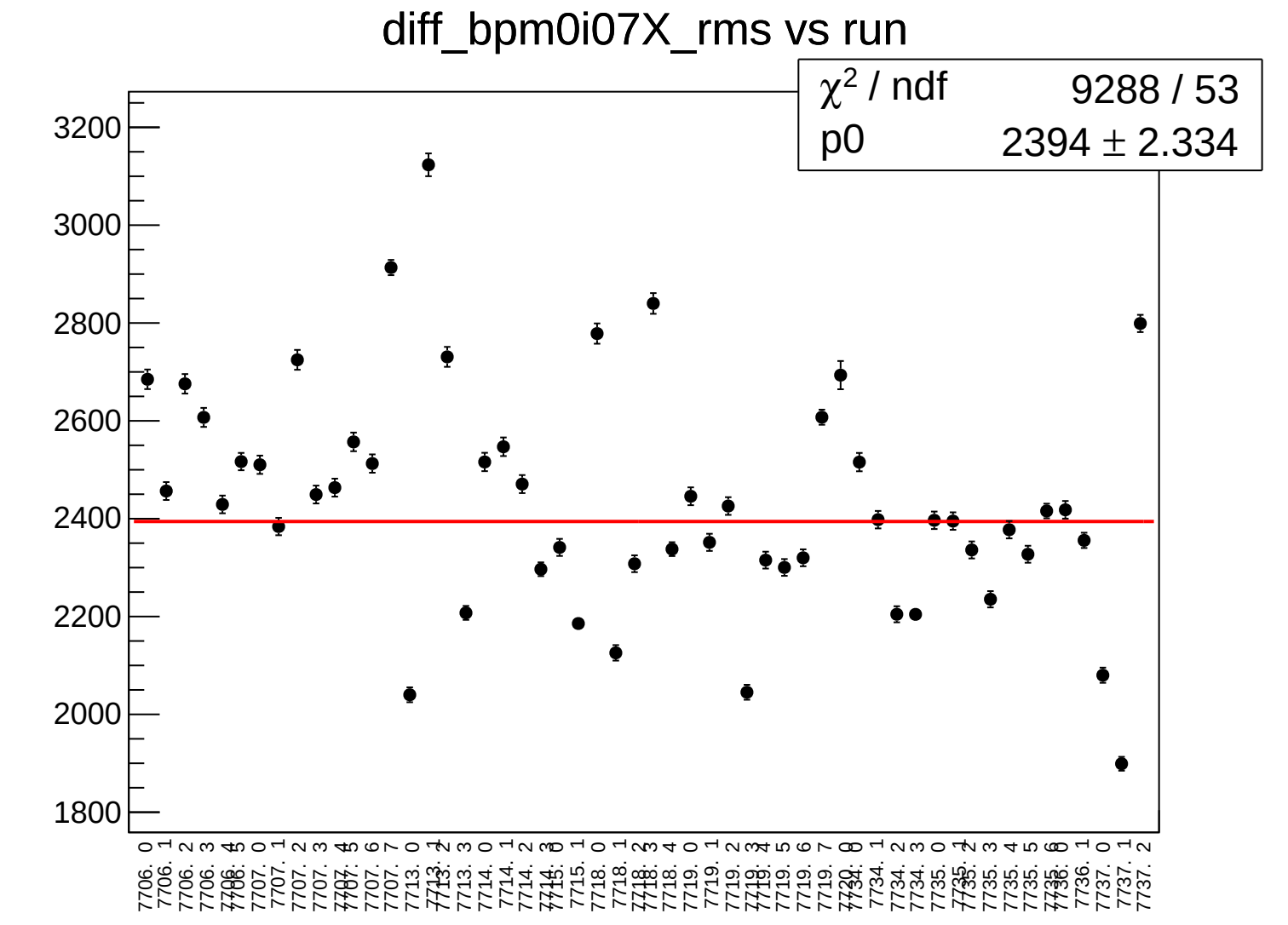

diff_bpm0i05Y_mean vs run
χ² / ndf 56.73 / 53
p0 6.739 ± 1.837
pull
Entries 54
Mean −261
Std Dev 0

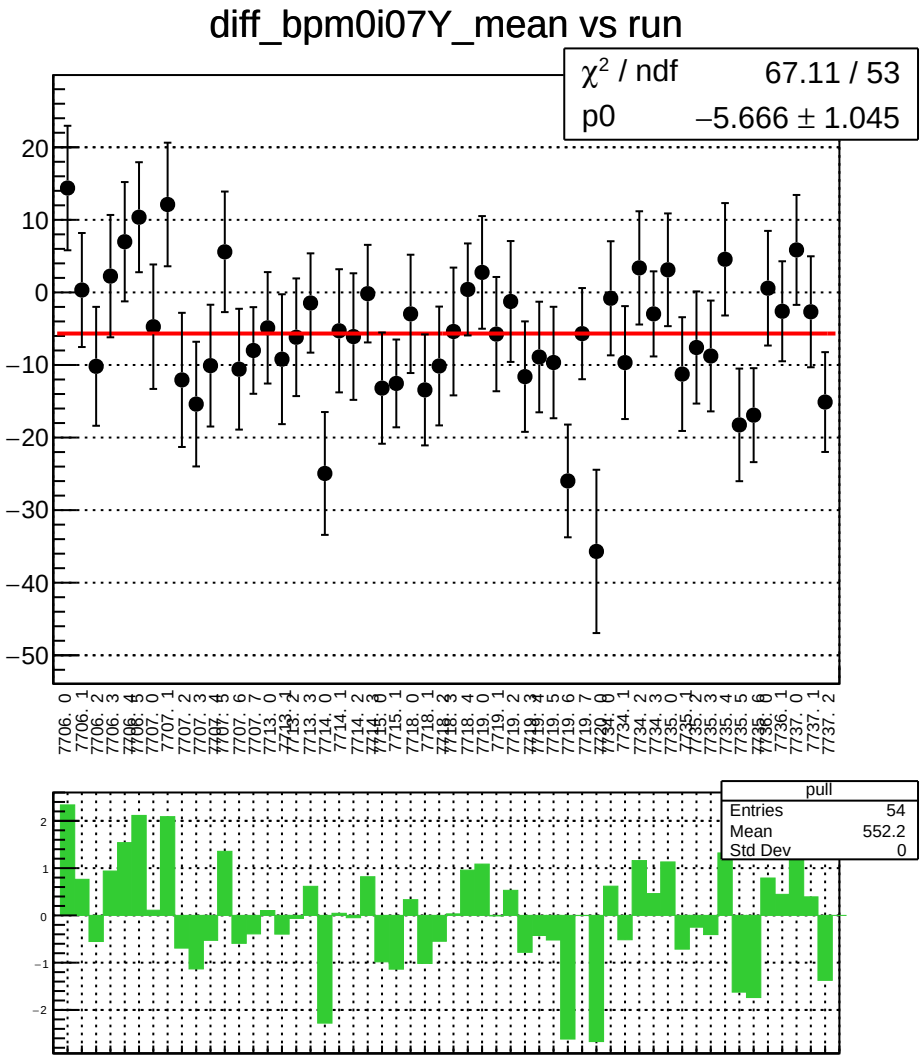

pull1D
Entries 54
Mean 0.007979
Std Dev 1.025

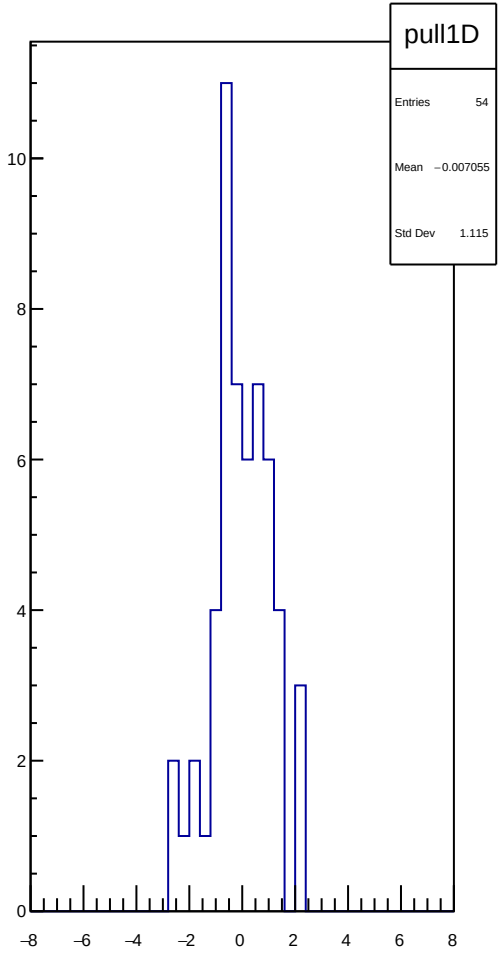

diff_bpm0i05Y_rms vs run
χ2 / ndf 1153 / 53
p0 1338 ± 1.299
1450
1400
1350
1300
1250

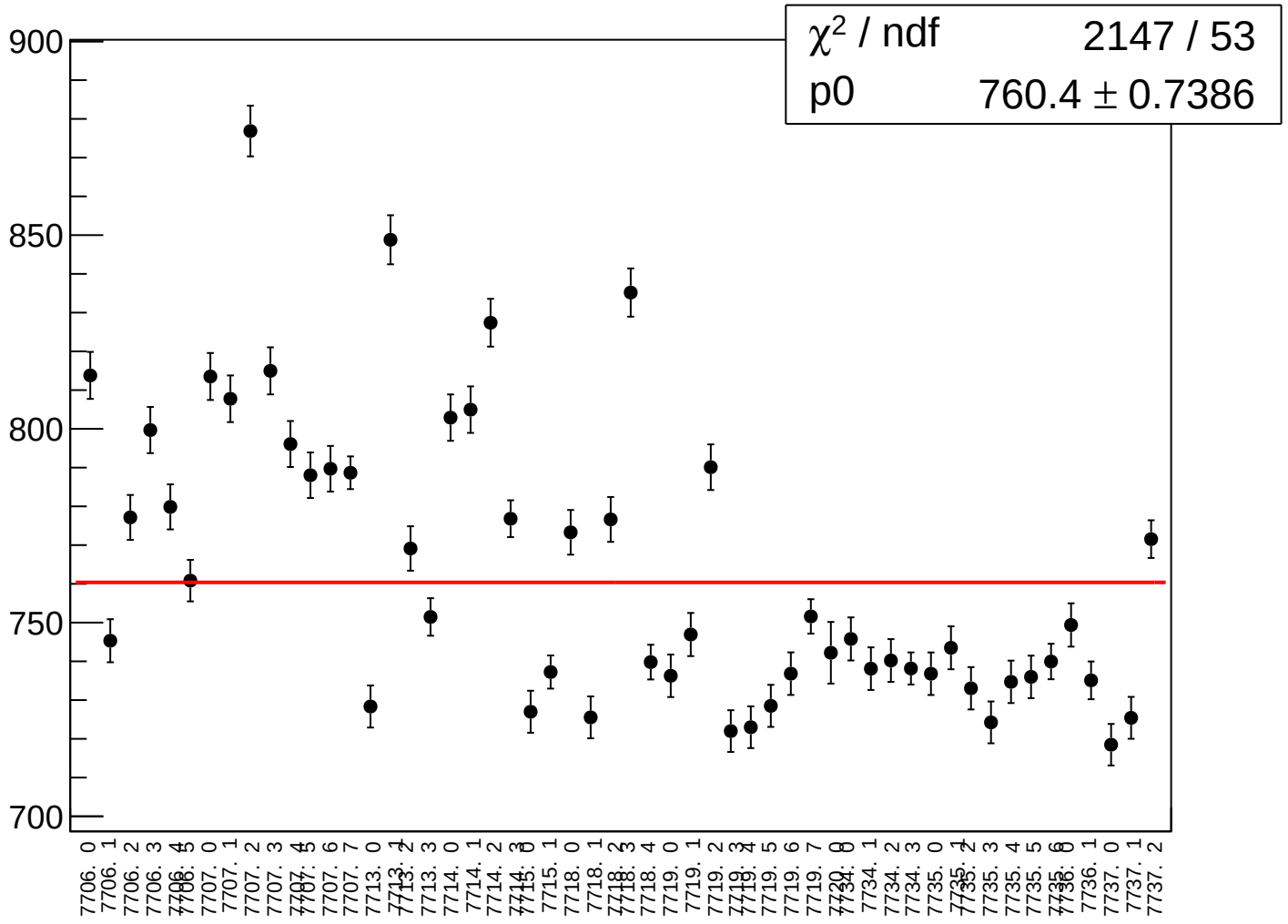

diff_bpm0i07X_mean vs run
χ² / ndf 53.95 / 53
p0 −6.185 ± 3.3
pull
Entries 54
Mean −263.1
Std Dev 0

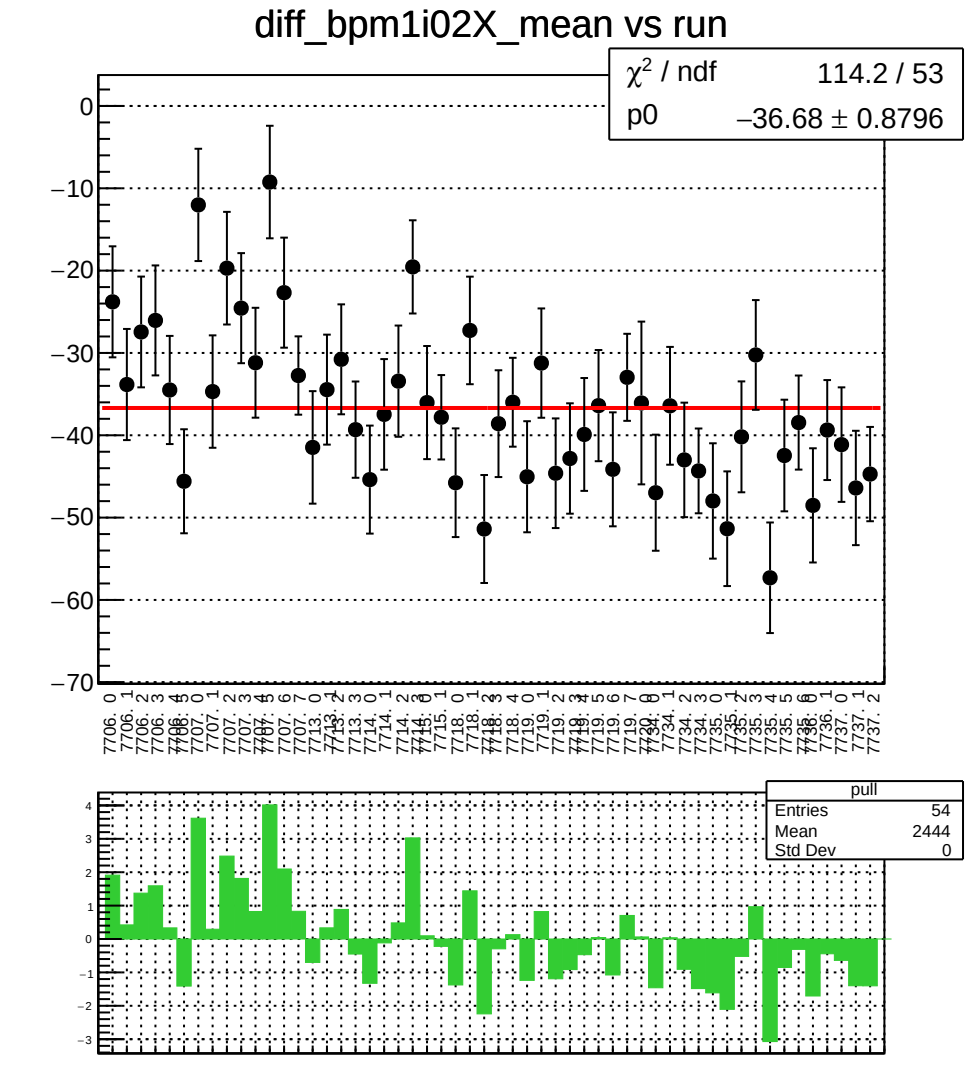

pull1D
Entries 54
Mean 0.01478
Std Dev 0.9995

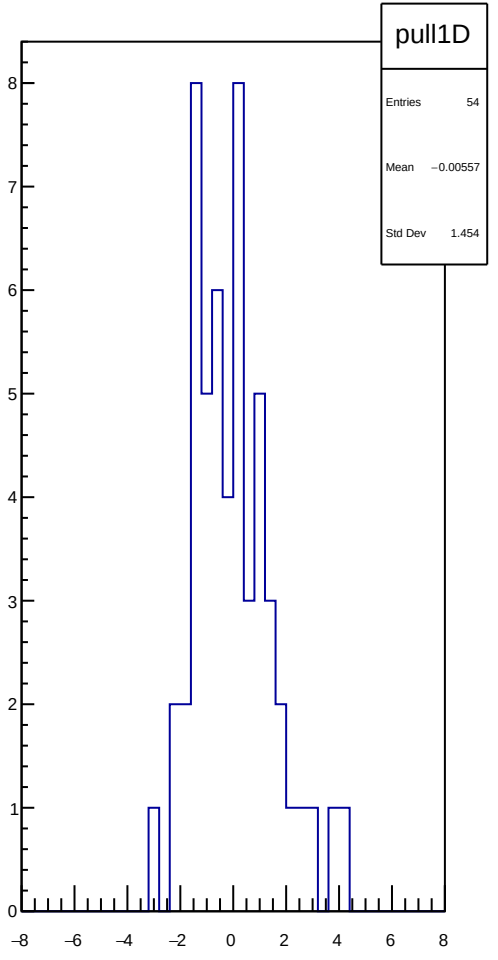

diff_bpm0i07X_rms vs run
χ² / ndf 9288 / 53
p0 2394 ± 2.334
3200
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

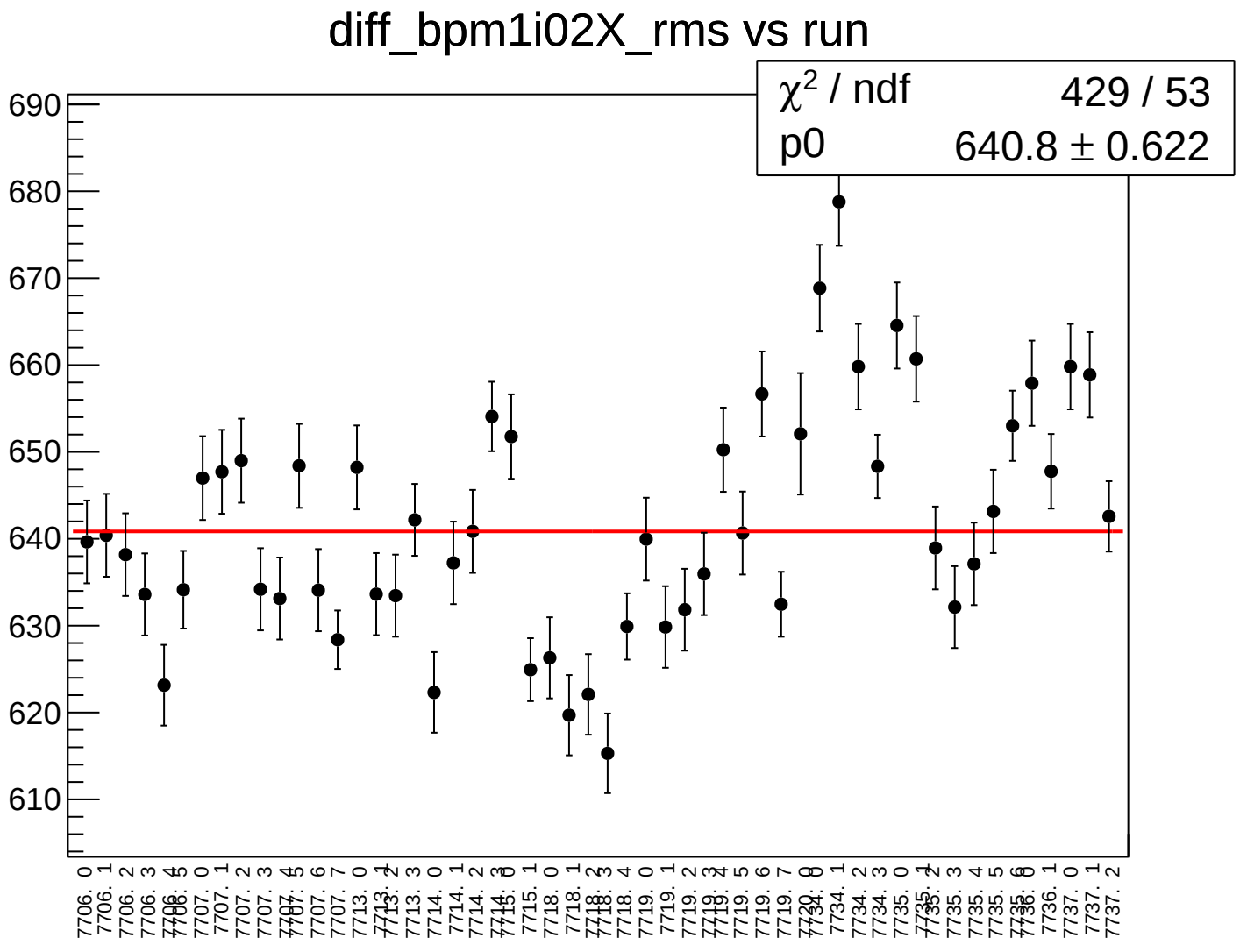

diff_bpm0i07Y_mean vs run
χ² / ndf 67.11 / 53
p0 −5.666 ± 1.045
pull
Entries 54
Mean 552.2
Std Dev 0

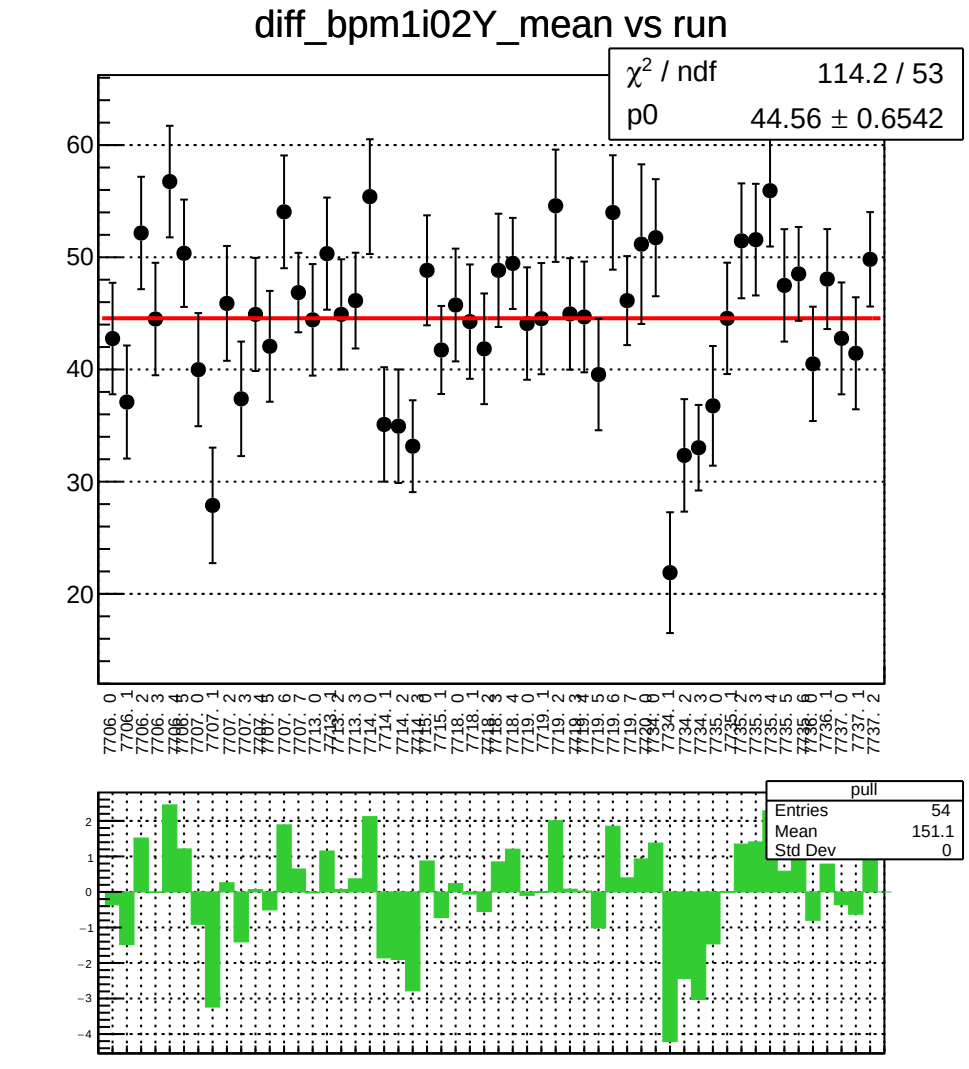

pull1D
Entries 54
Mean −0.007055
Std Dev 1.115

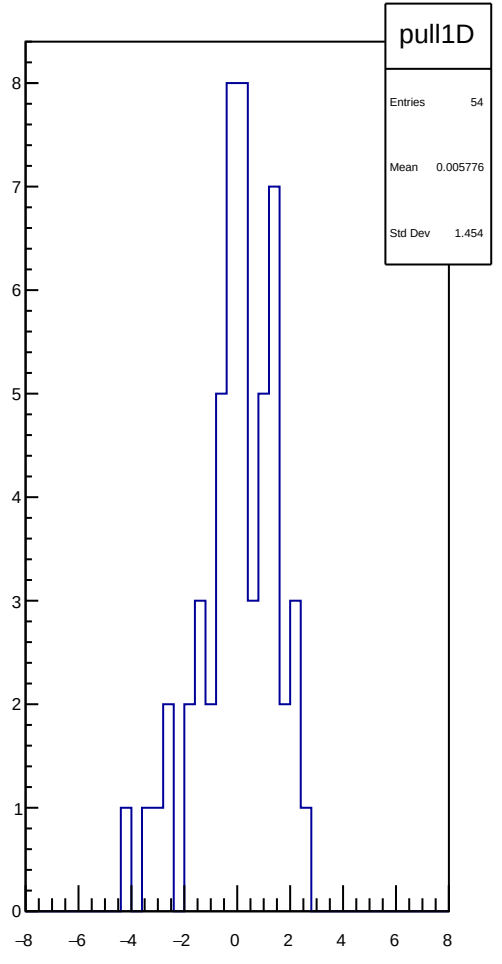

diff_bpm0i07Y_rms vs run
χ² / ndf 2147 / 53
p0 760.4 ± 0.7386
900
850
800
750
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

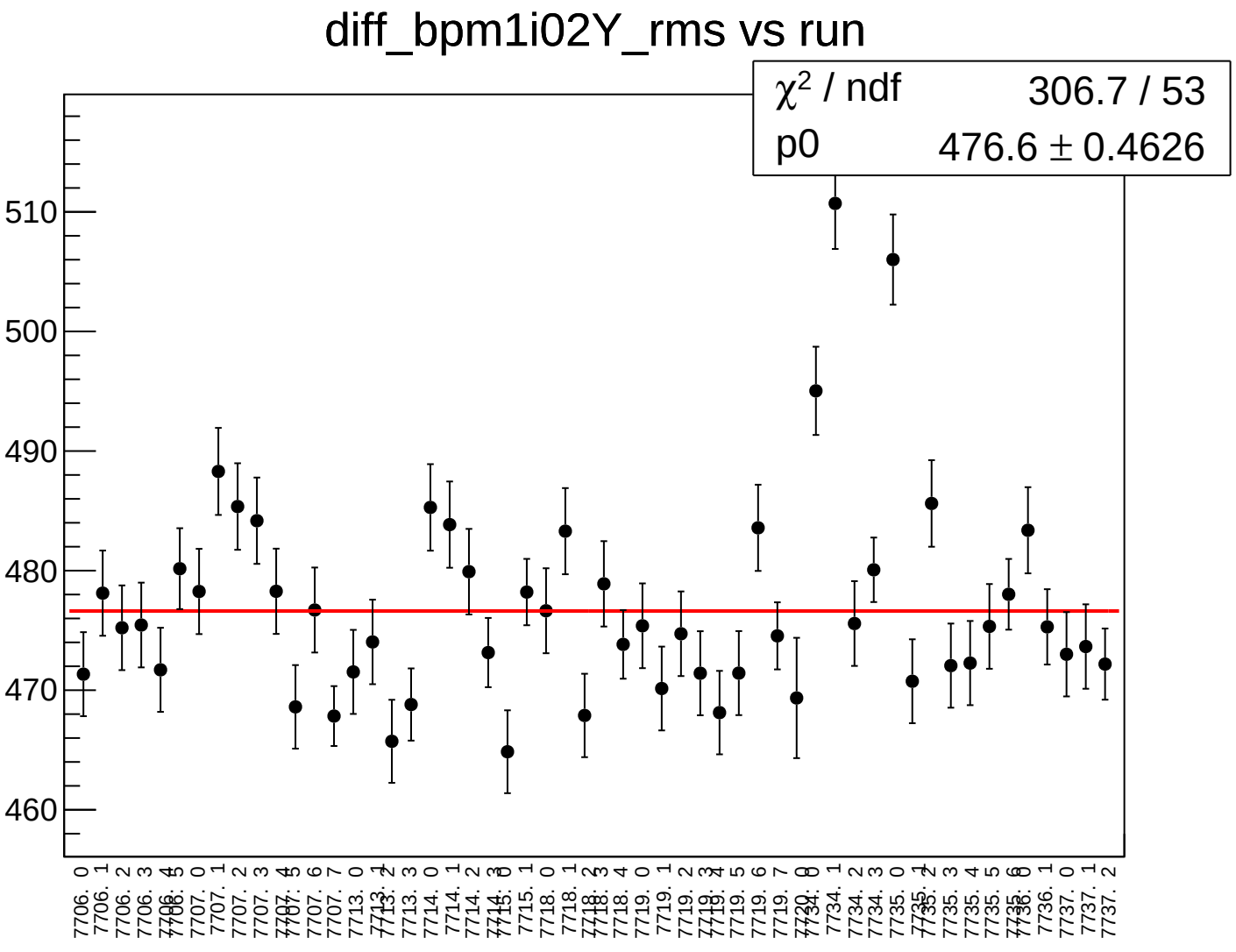

diff_bpm1i02X_mean vs run
χ² / ndf 114.2 / 53
p0 −36.68 ± 0.8796
pull
Entries 54
Mean 2444
Std Dev 0

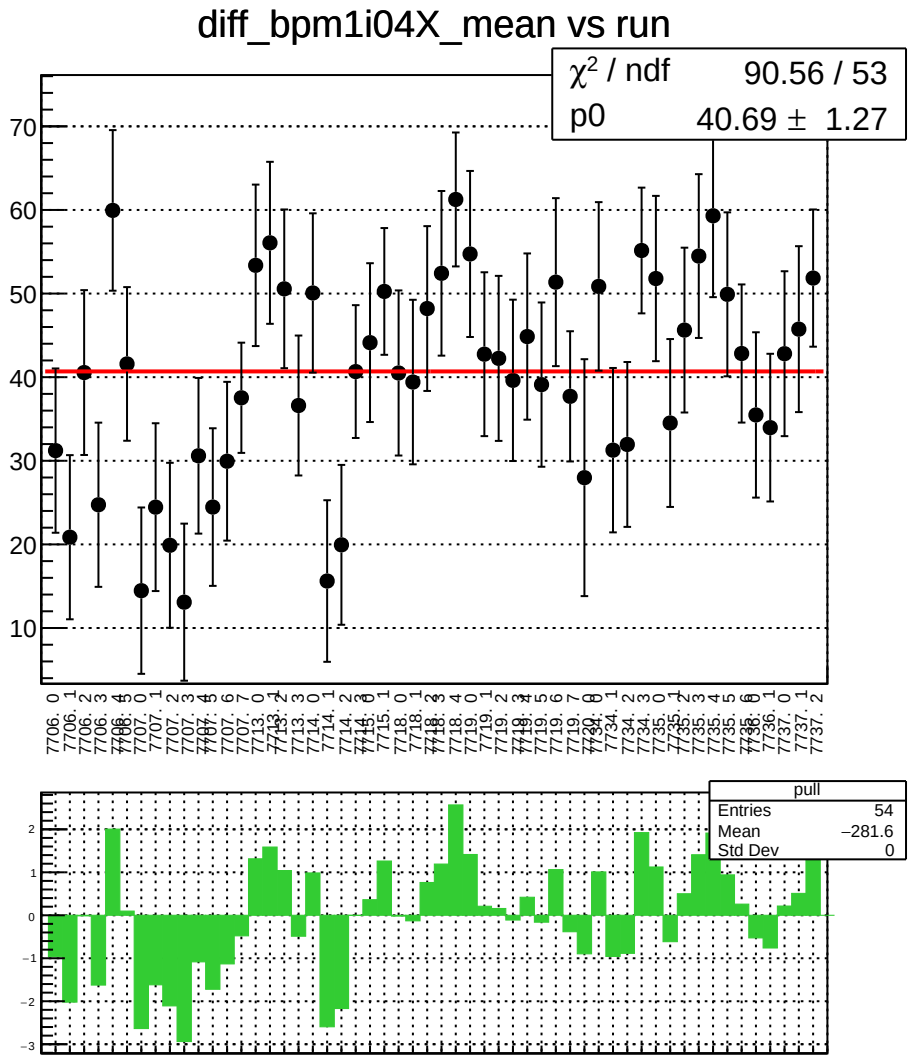

pull1D
Entries 54
Mean −0.00557
Std Dev 1.454

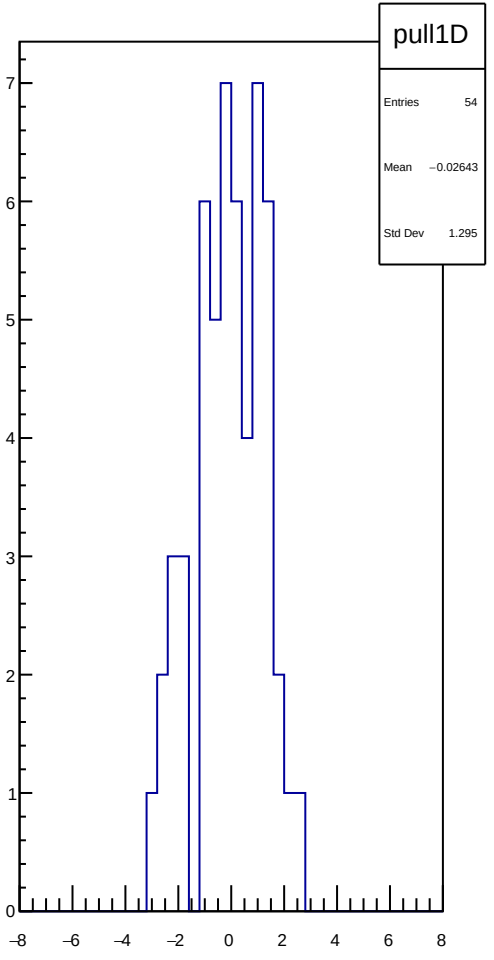

diff_bpm1i02X_rms vs run
χ² / ndf 429 / 53
p0 640.8 ± 0.622
690
680
670
660
650
640
630
620
610

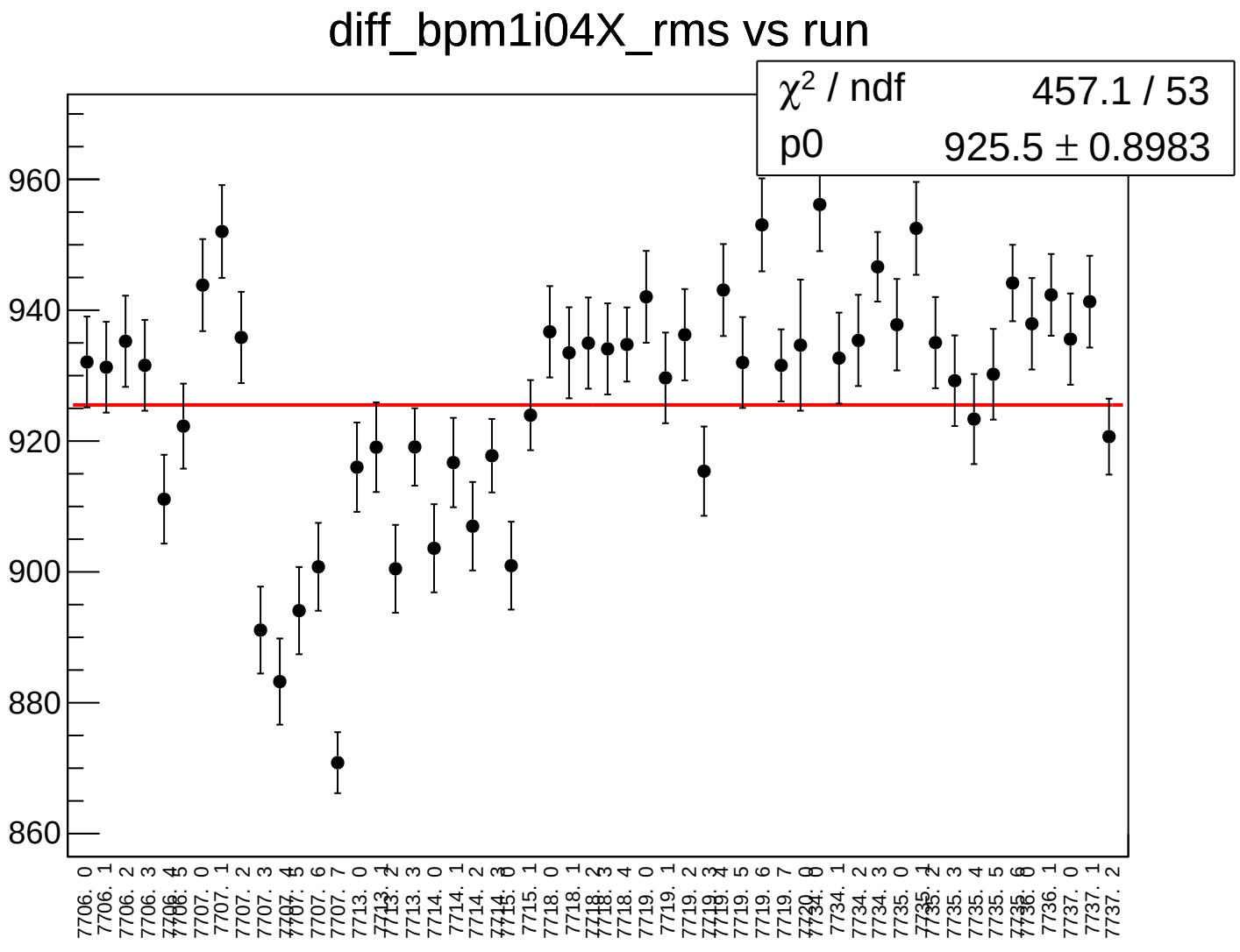

diff_bpm1i02Y_mean vs run
χ² / ndf 114.2 / 53
p0 44.56 ± 0.6542
pull
Entries 54
Mean 151.1
Std Dev 0

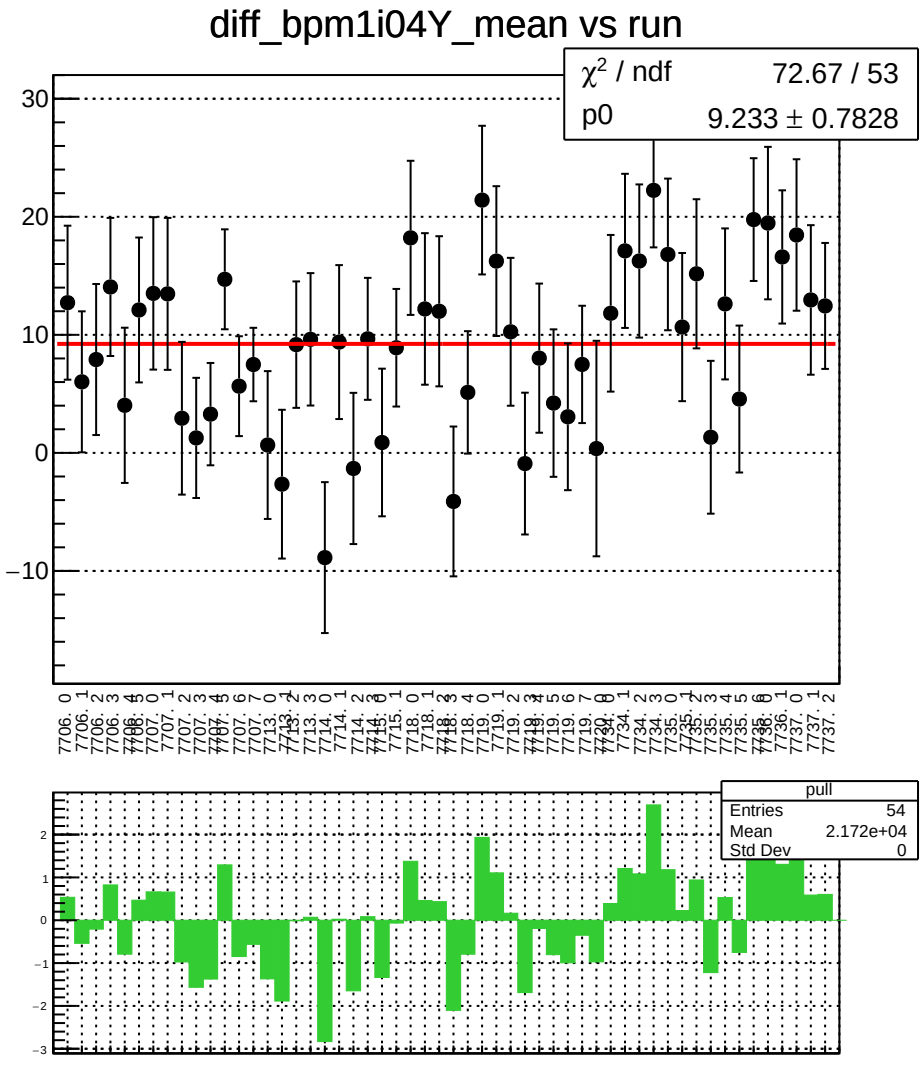

pull1D
Entries 54
Mean 0.005776
Std Dev 1.454

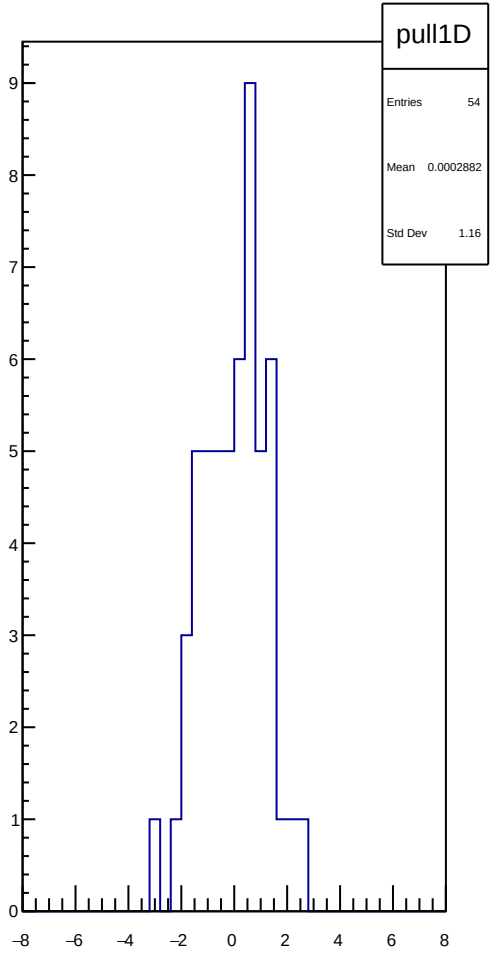

diff_bpm1i02Y_rms vs run
χ² / ndf 306.7 / 53
p0 476.6 ± 0.4626
510
500
490
480
470
460

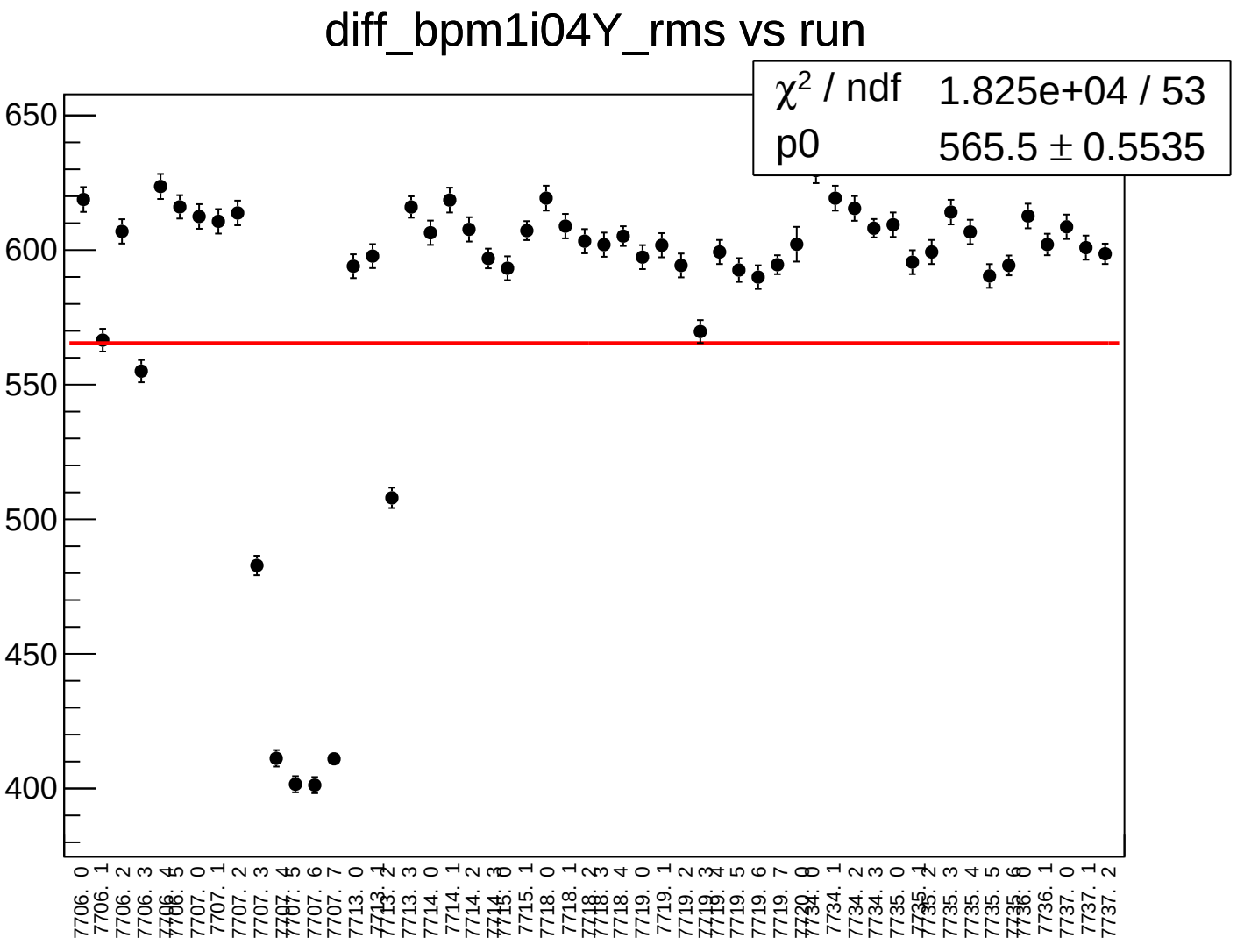

diff_bpm1i04X_mean vs run
χ² / ndf 90.56 / 53
p0 40.69 ± 1.27
pull
Entries 54
Mean −281.6
Std Dev 0

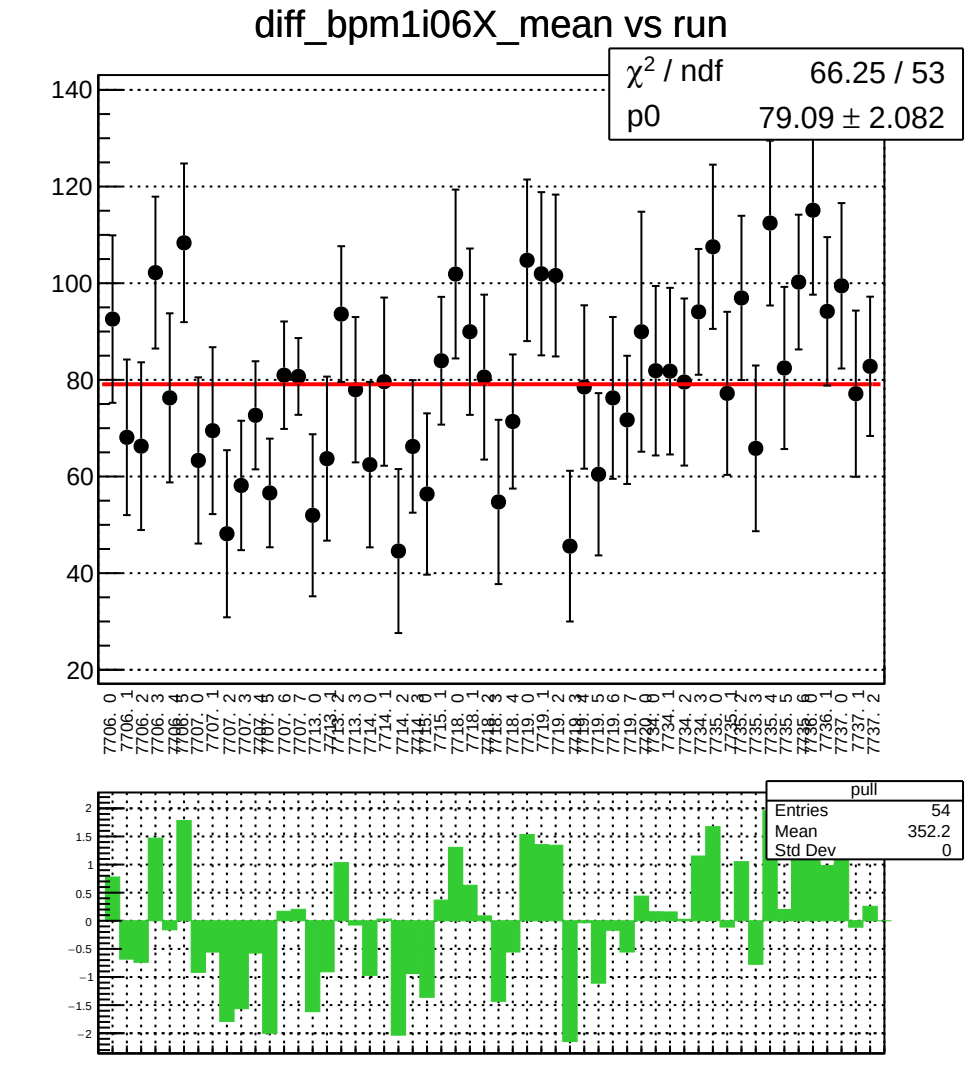

pull1D
Entries 54
Mean −0.02643
Std Dev 1.295

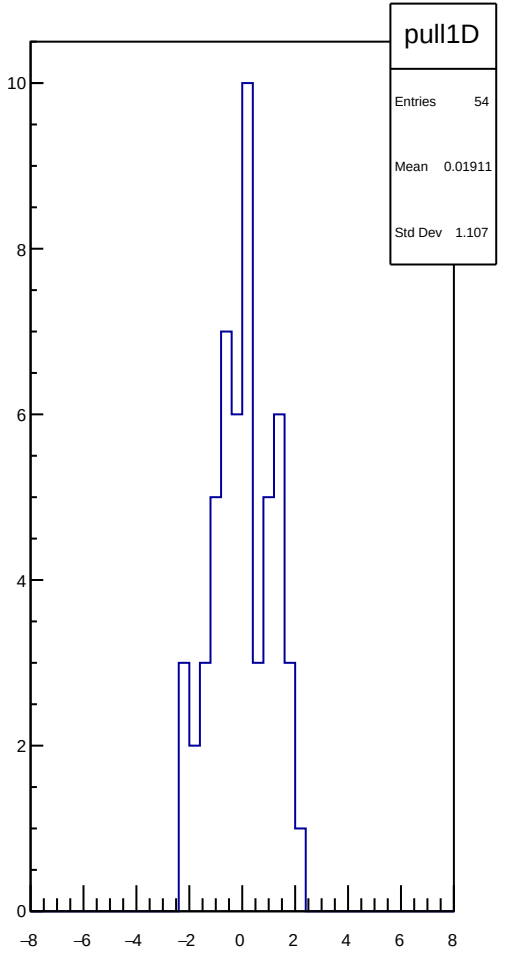

diff_bpm1i04X_rms vs run
χ² / ndf 457.1 / 53
p0 925.5 ± 0.8983
960
940
920
900
880
860

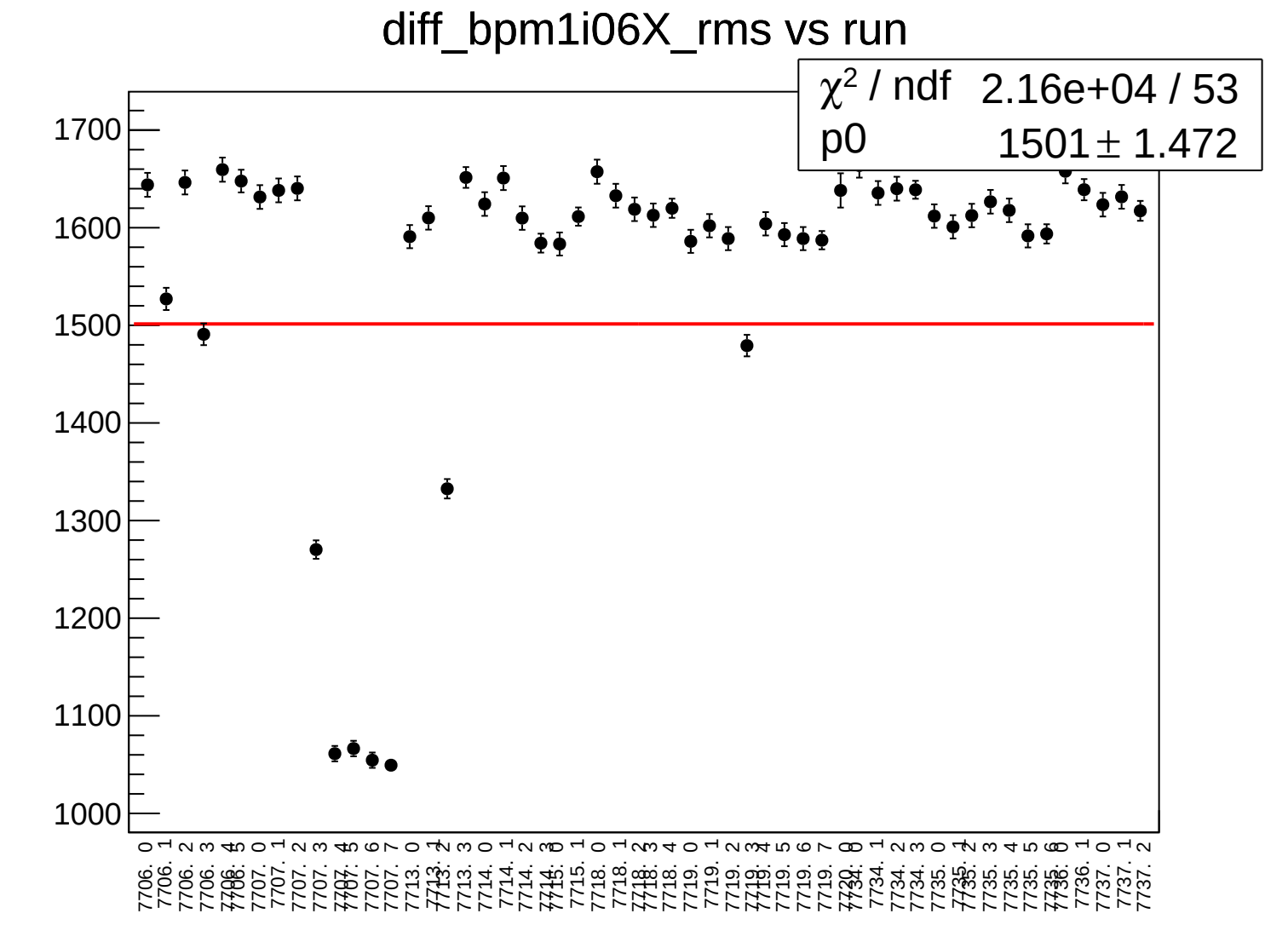

diff_bpm1i04Y_mean vs run
χ^2 / ndf 72.67 / 53
p0 9.233 ± 0.7828
pull
Entries 54
Mean 2.172e+04
Std Dev 0

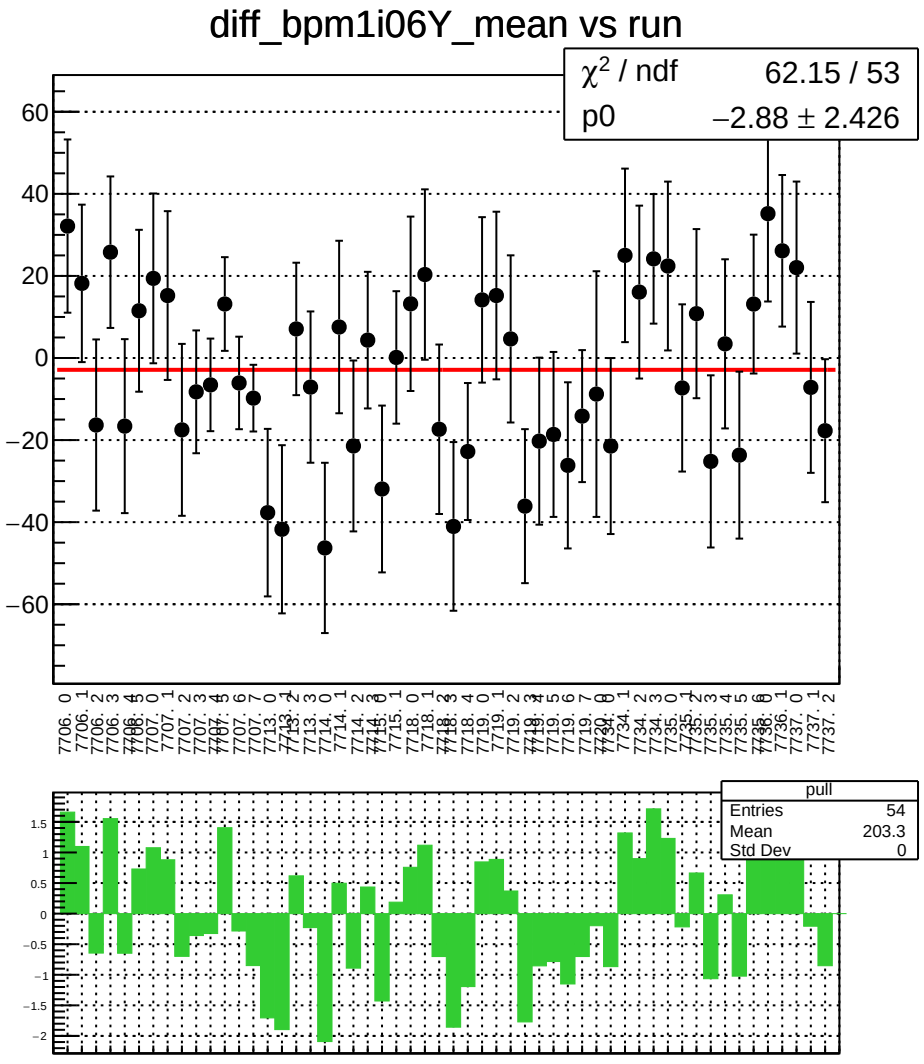

pull1D
Entries 54
Mean 0.0002882
Std Dev 1.16

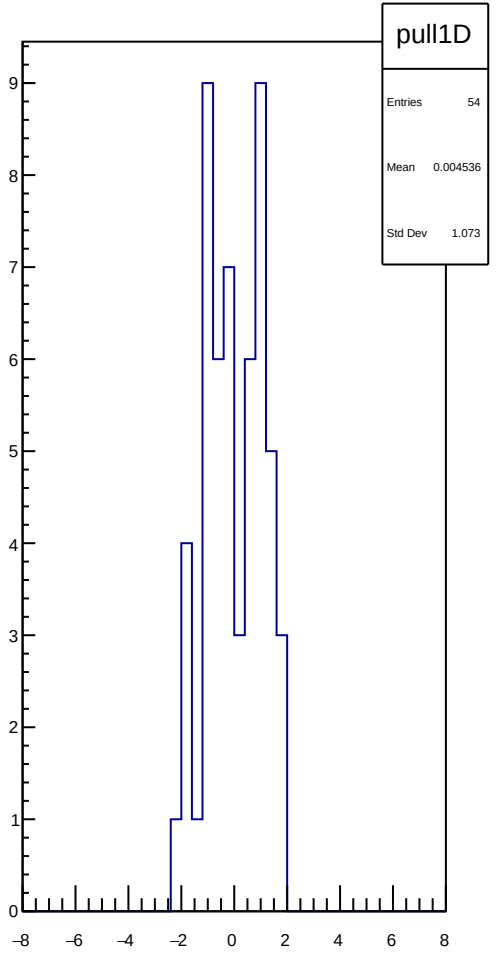

diff_bpm1i04Y_rms vs run
χ² / ndf 1.825e+04 / 53
p0 565.5 ± 0.5535
650
600
550
500
450
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

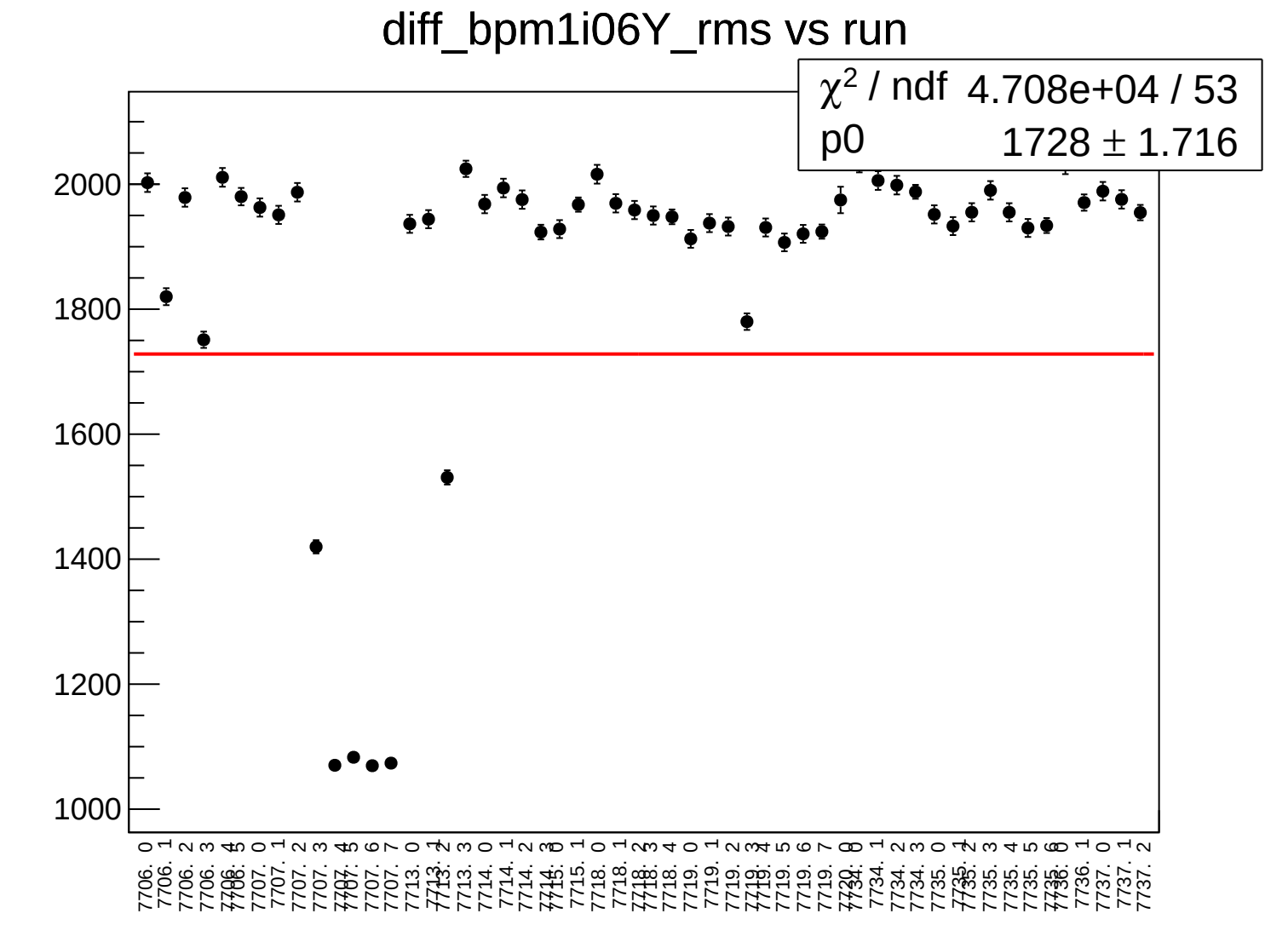

diff_bpm1i06X_mean vs run
χ² / ndf 66.25 / 53
p0 79.09 ± 2.082
pull
Entries 54
Mean 352.2
Std Dev 0

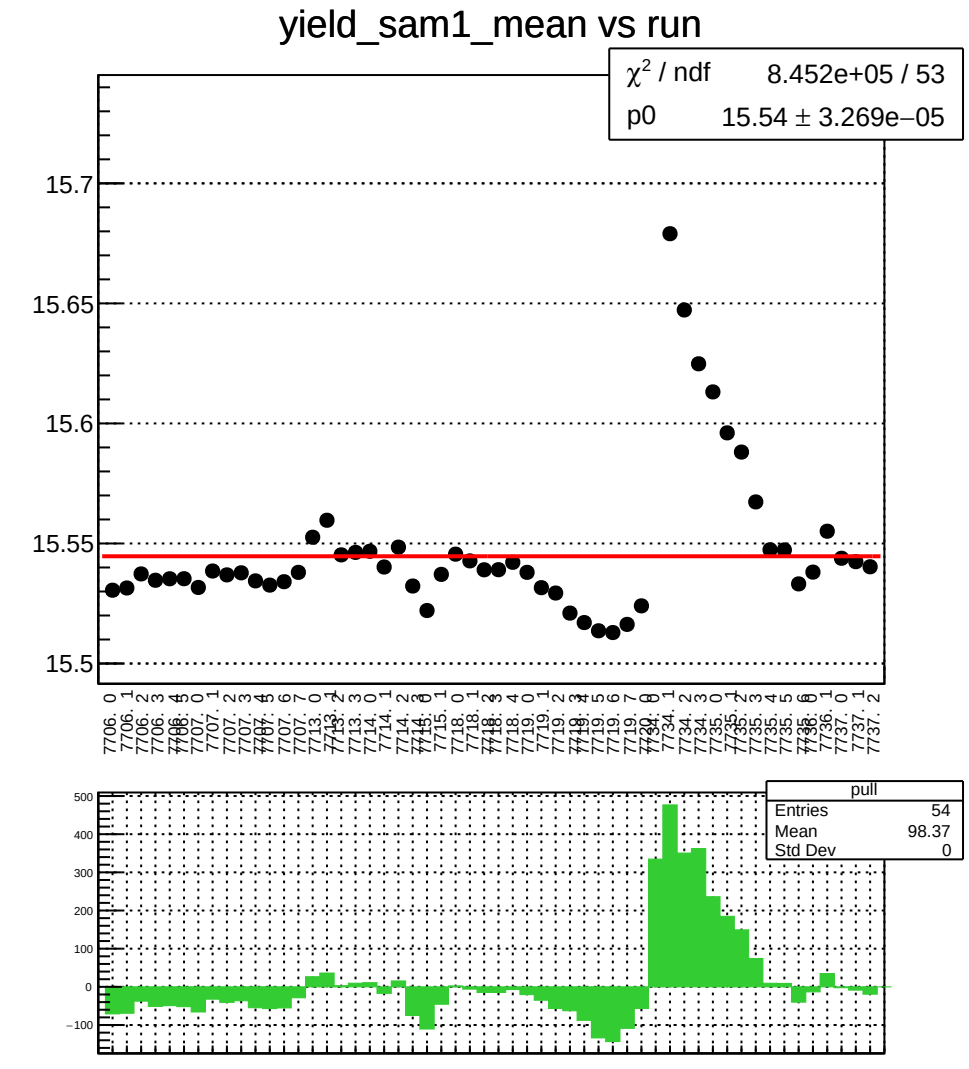

pull1D
Entries 54
Mean 0.01911
Std Dev 1.107

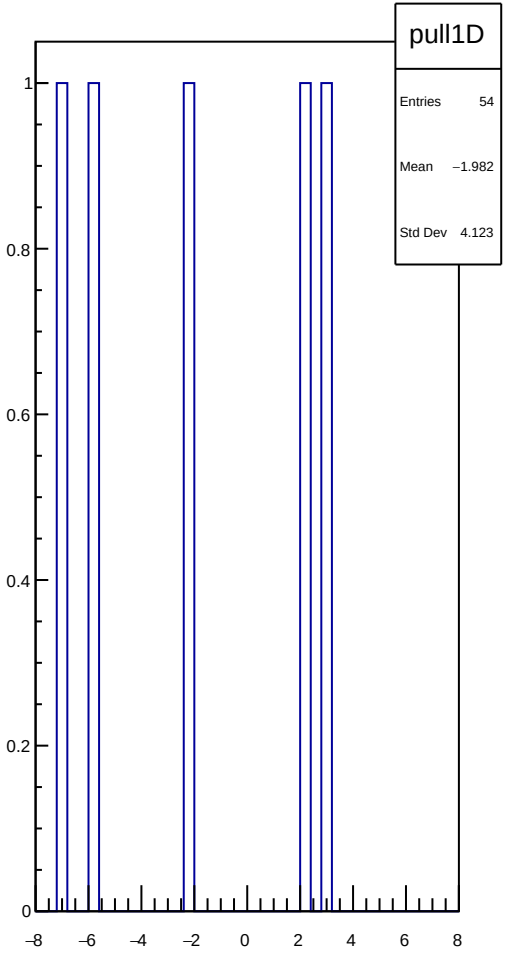

diff_bpm1i06X_rms vs run
χ² / ndf 2.16e+04 / 53
p0 1501 ± 1.472
1700
1600
1500
1400
1300
1200
1100
1000

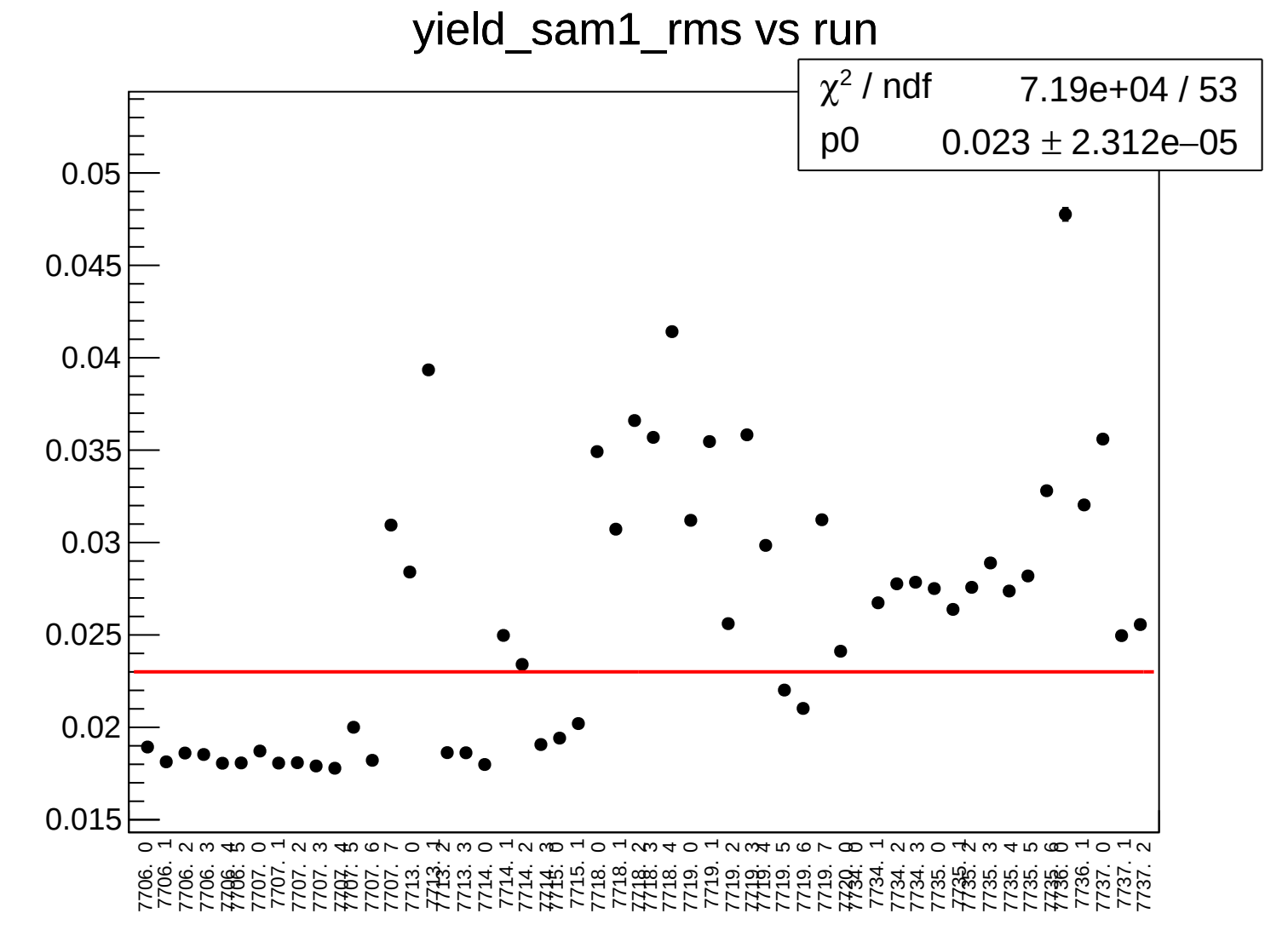

diff_bpm1i06Y_mean vs run
χ² / ndf 62.15 / 53
p0 −2.88 ± 2.426
pull
Entries 54
Mean 203.3
Std Dev 0

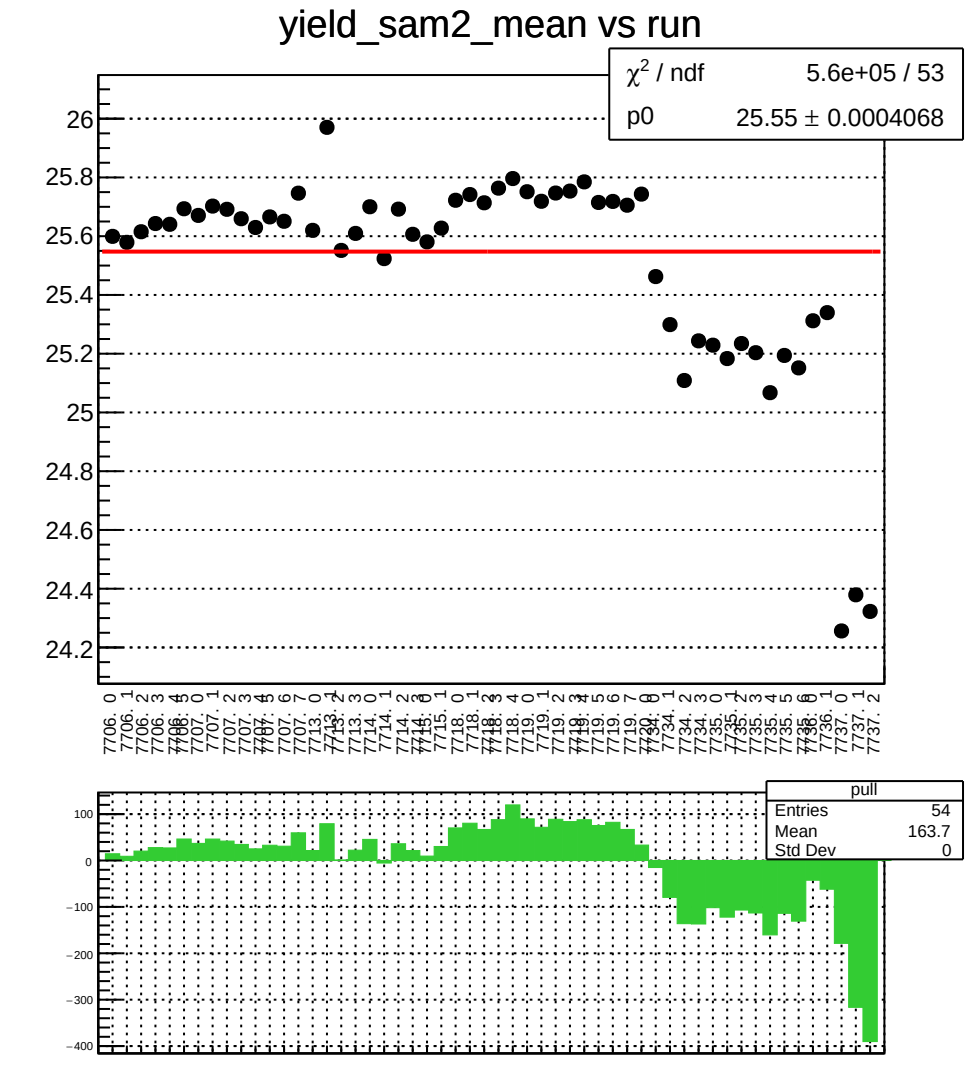

pull1D
Entries 54
Mean 0.004536
Std Dev 1.073

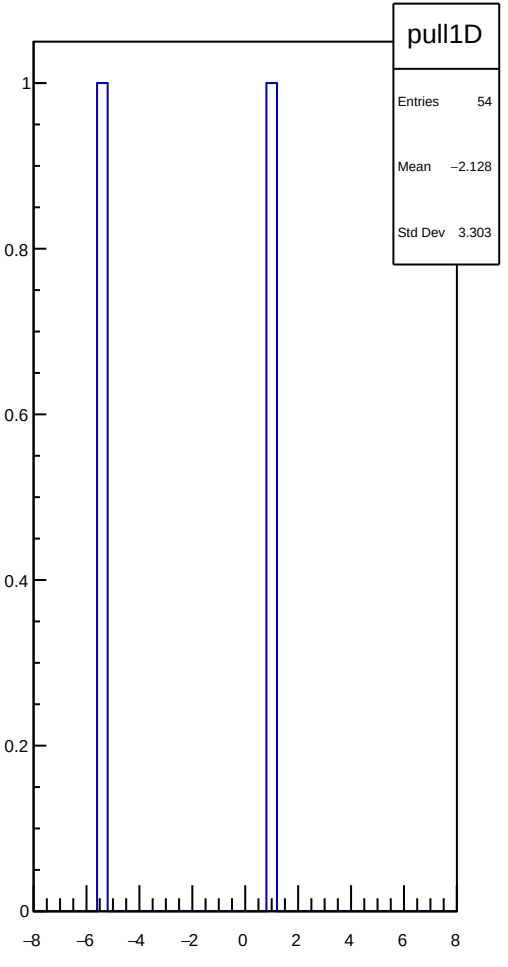

diff_bpm1i06Y_rms vs run
χ² / ndf 4.708e+04 / 53
p0 1728 ± 1.716
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

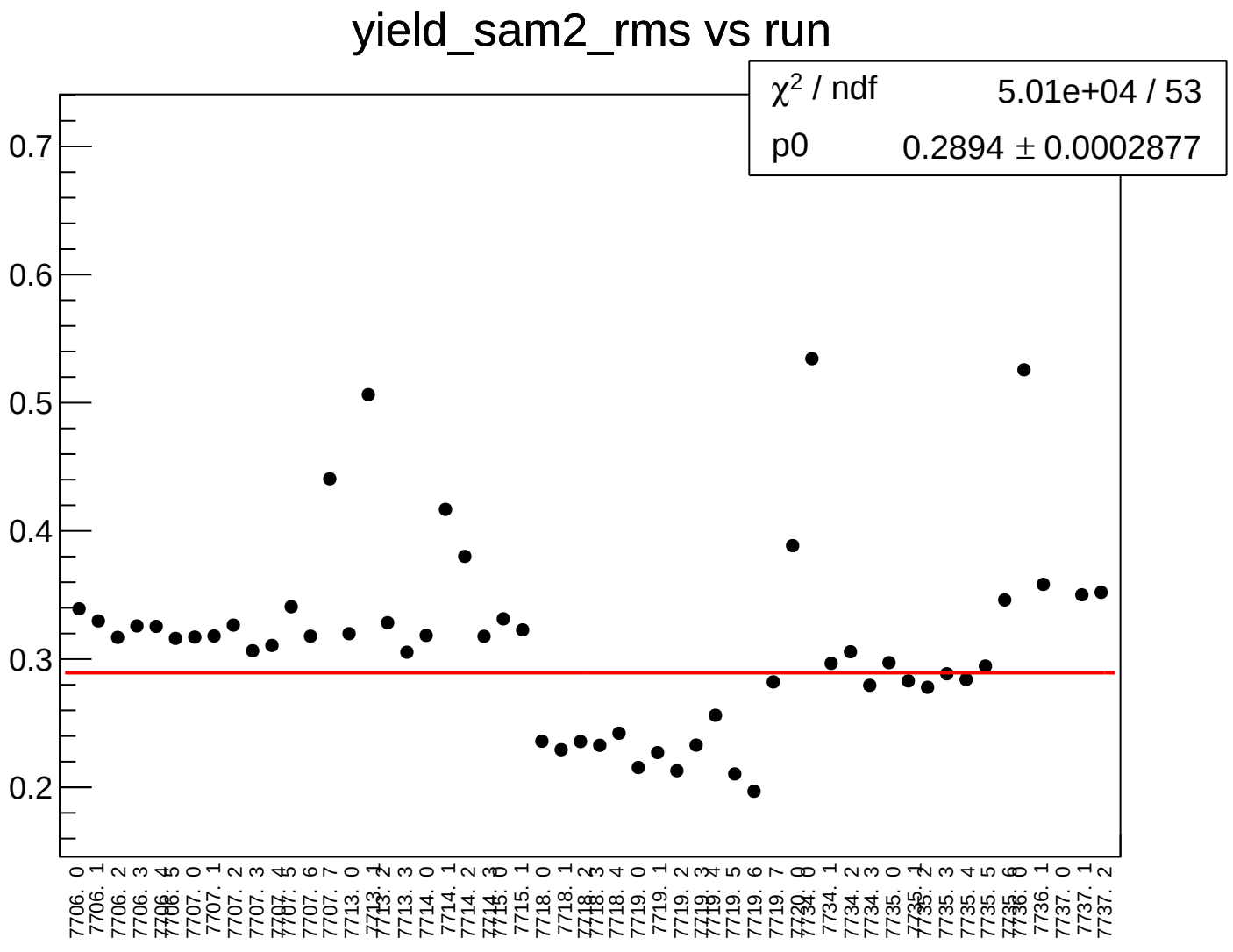

yield_sam1_mean vs run
χ² / ndf 8.452e+05 / 53
p0 15.54 ± 3.269e−05
15.7
15.65
15.6
15.55
15.5
pull
Entries 54
Mean 98.37
Std Dev 0
500
400
300
200
100
0
−100

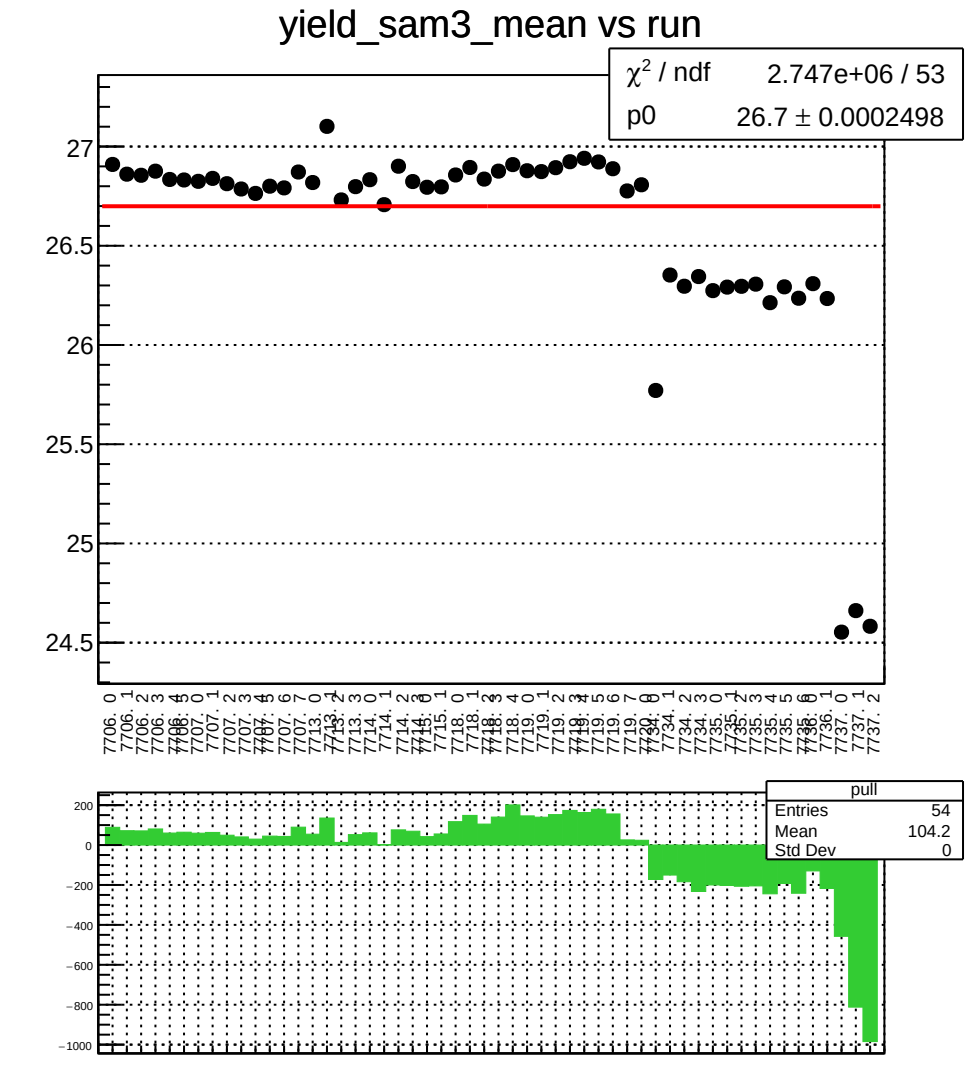

pull1D
Entries 54
Mean −1.982
Std Dev 4.123
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

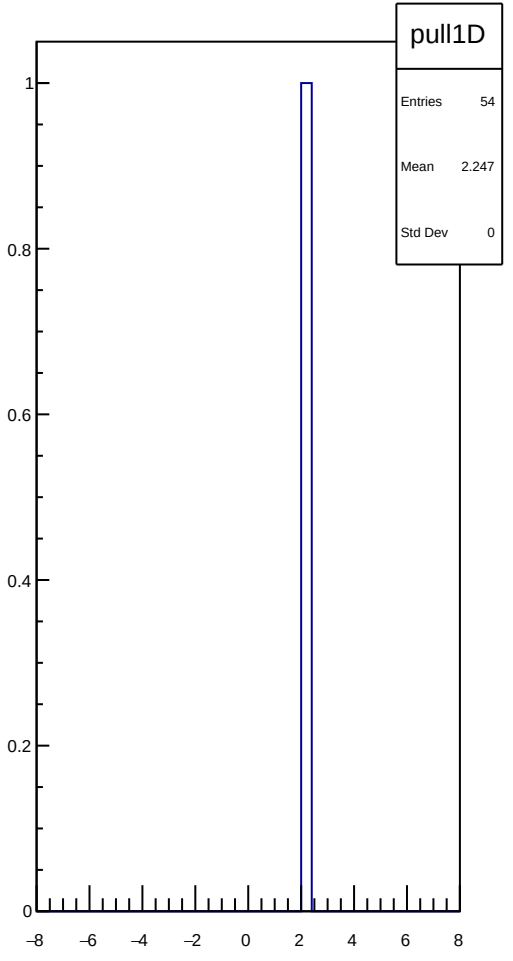

yield_sam1_rms vs run
χ^2 / ndf 7.19e+04 / 53
p0 0.023 ± 2.312e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

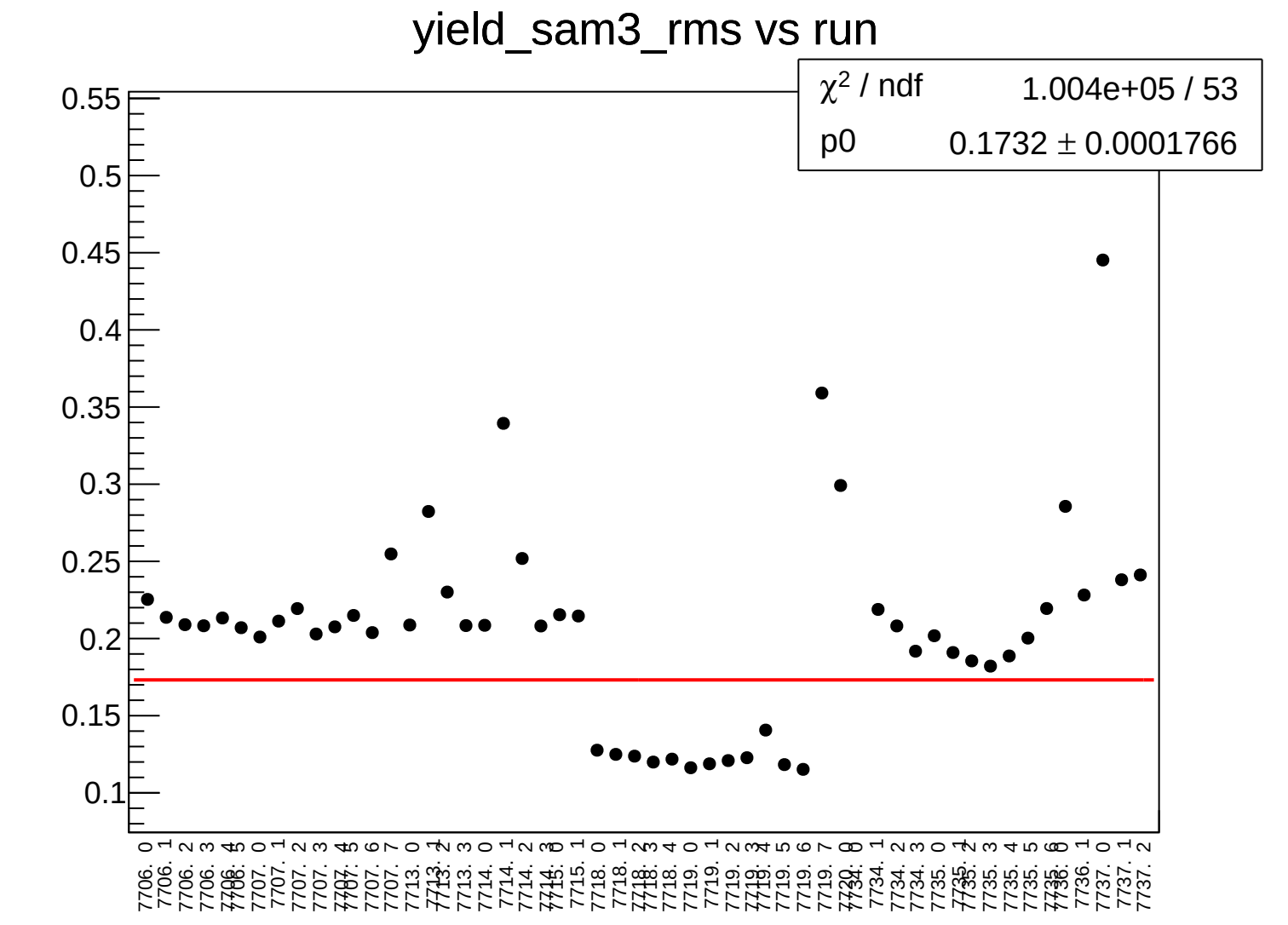

yield_sam2_mean vs run
χ² / ndf 5.6e+05 / 53
p0 25.55 ± 0.0004068
pull
Entries 54
Mean 163.7
Std Dev 0

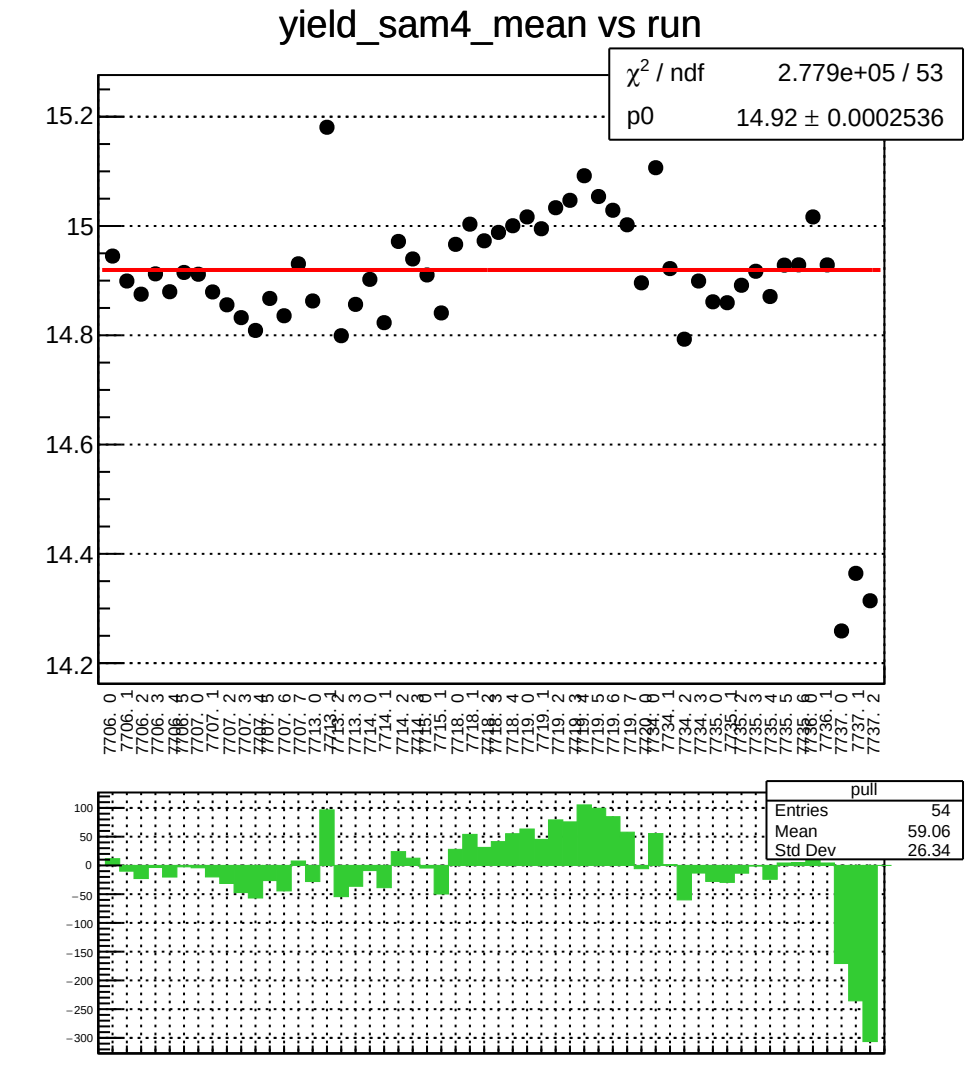

pull1D
Entries 54
Mean −2.128
Std Dev 3.303

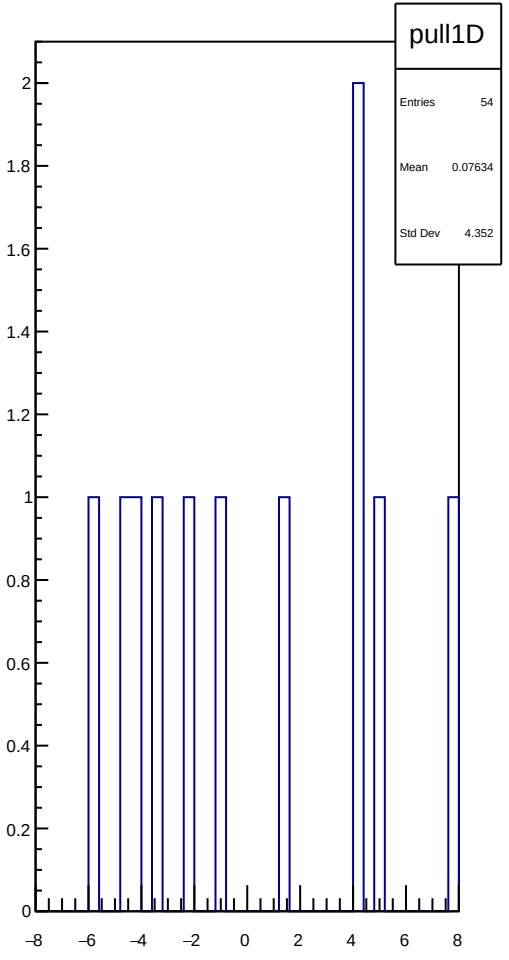

yield_sam2_rms vs run
χ^2 / ndf 5.01e+04 / 53
p0 0.2894 ± 0.0002877
0.7
0.6
0.5
0.4
0.3
0.2

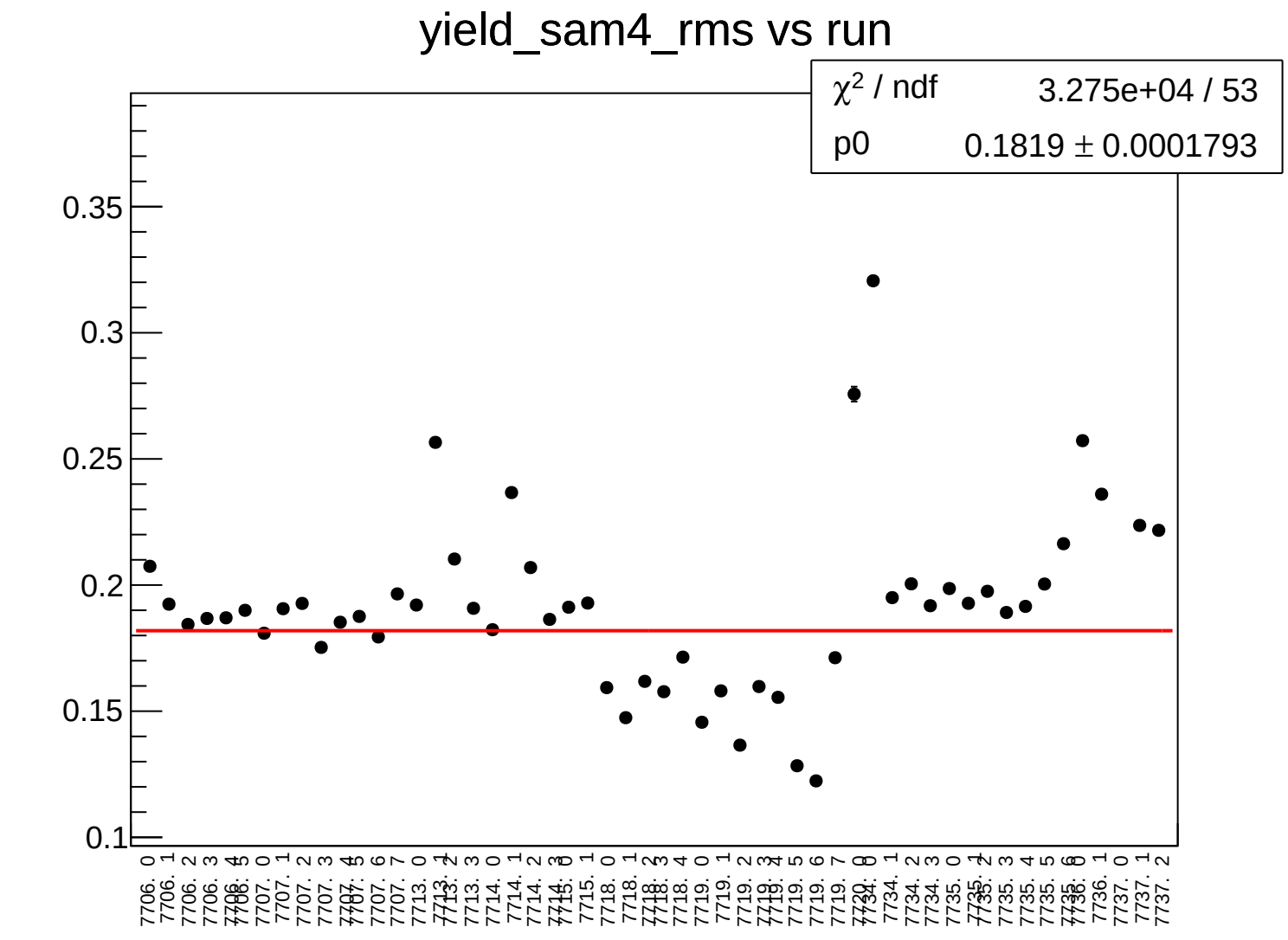

yield_sam3_mean vs run
χ² / ndf 2.747e+06 / 53
p0 26.7 ± 0.0002498
27
26.5
26
25.5
25
24.5
pull
Entries 54
Mean 104.2
Std Dev 0
200
0
−200
−400
−600
−800
−1000

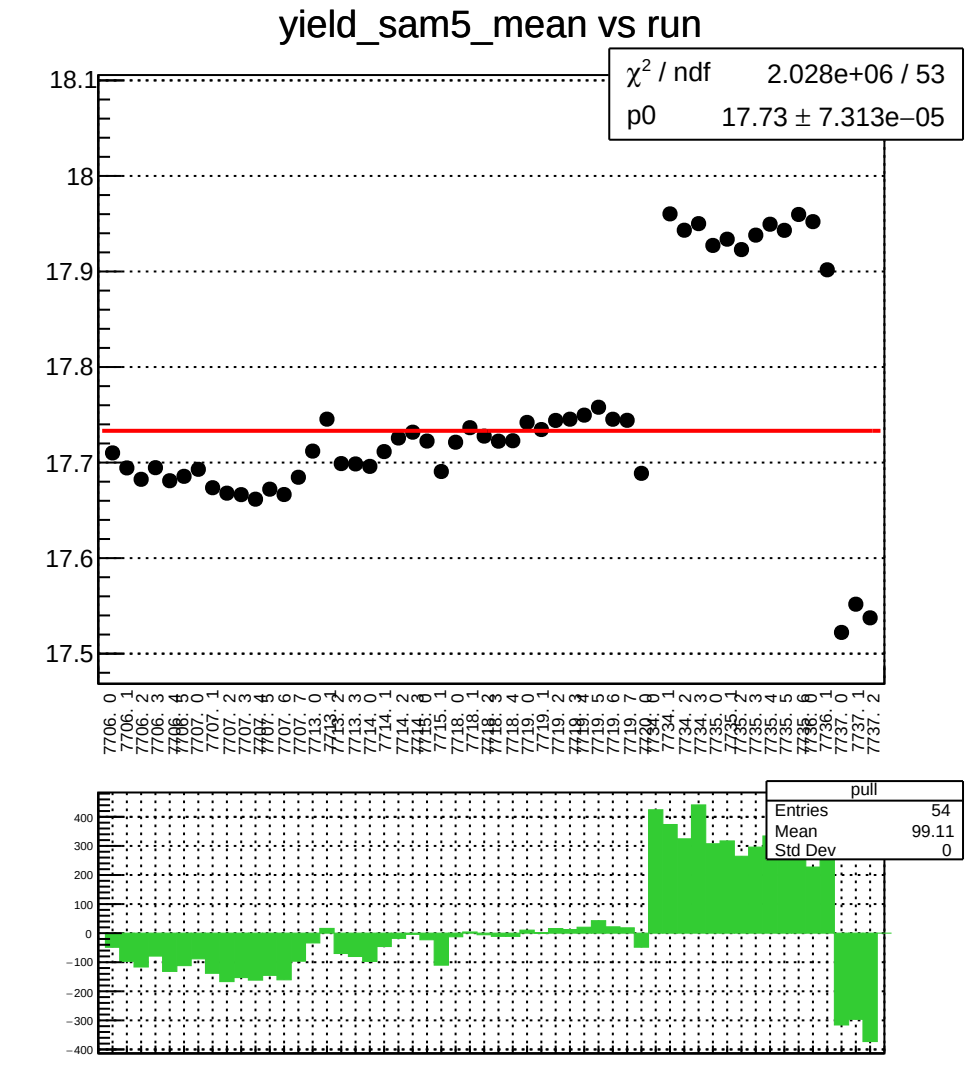

pull1D
Entries 54
Mean 2.247
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

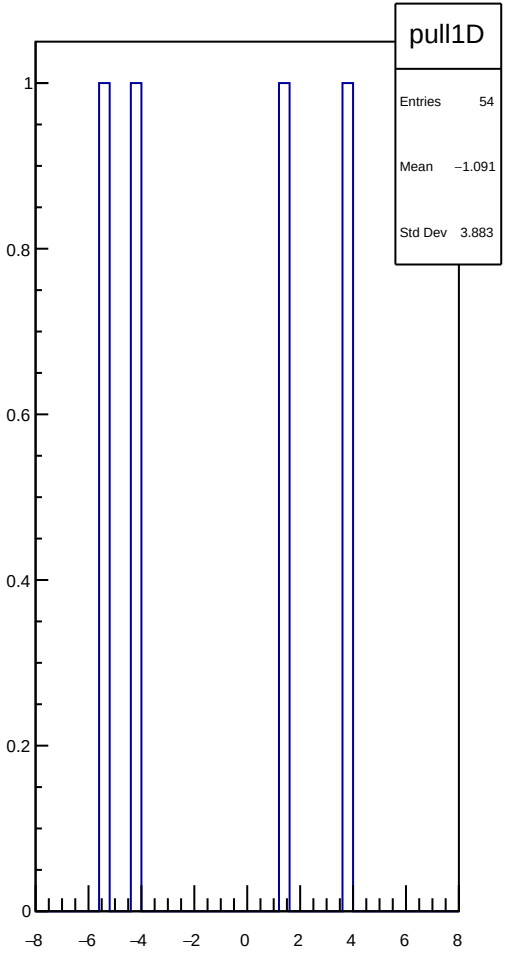

yield_sam3_rms vs run
χ² / ndf 1.004e+05 / 53
p0 0.1732 ± 0.0001766
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

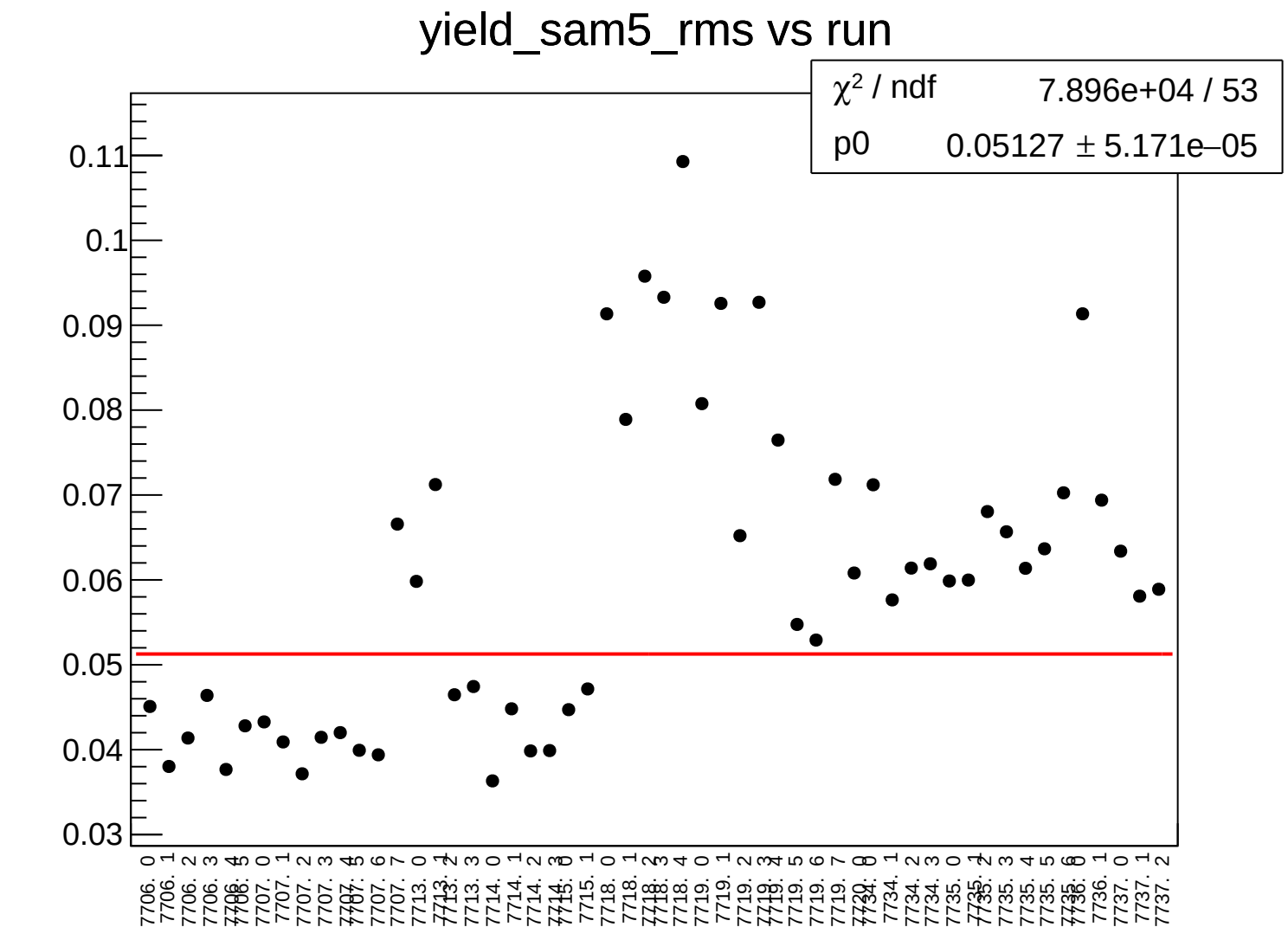

yield_sam4_mean vs run
χ² / ndf 2.779e+05 / 53
p0 14.92 ± 0.0002536
15.2
15
14.8
14.6
14.4
14.2
pull
Entries 54
Mean 59.06
Std Dev 26.34
100
50
0
−50
−100
−150
−200
−250
−300

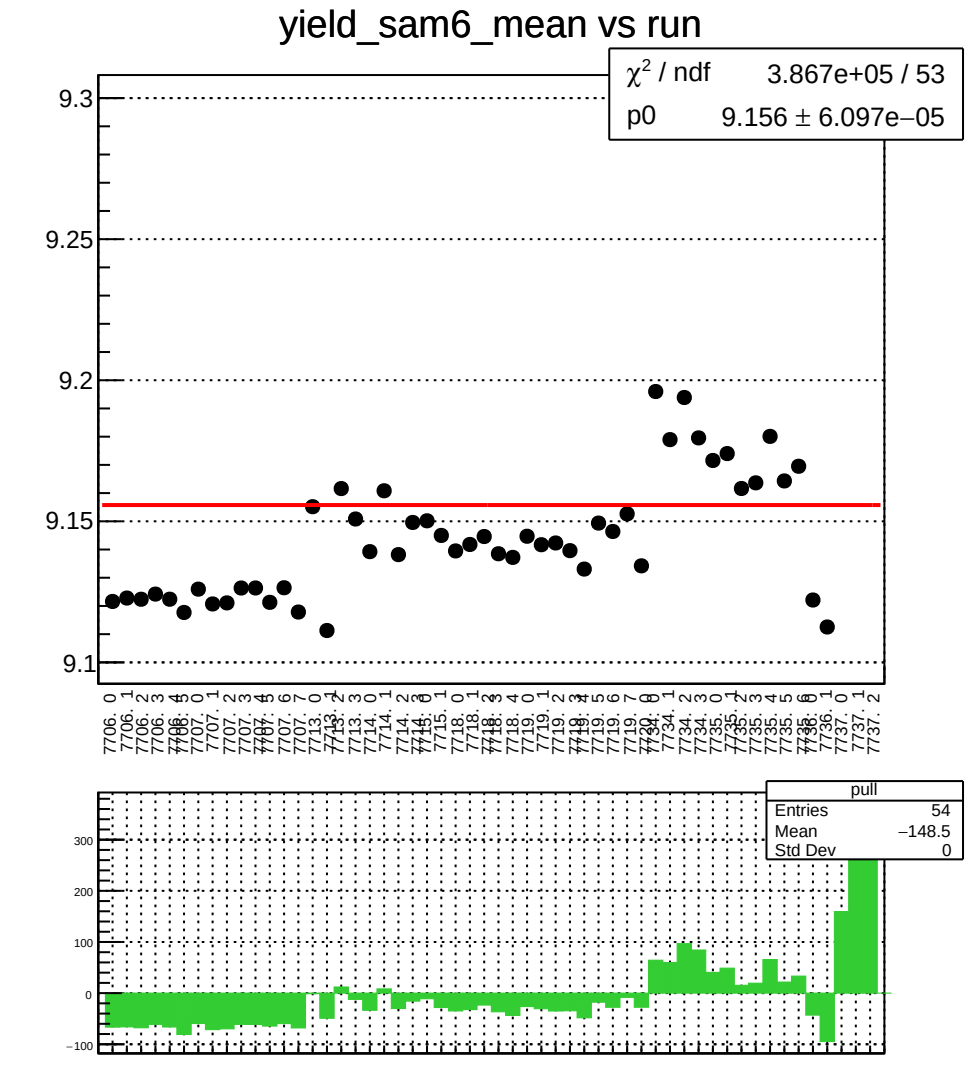

pull1D
Entries 54
Mean 0.07634
Std Dev 4.352
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

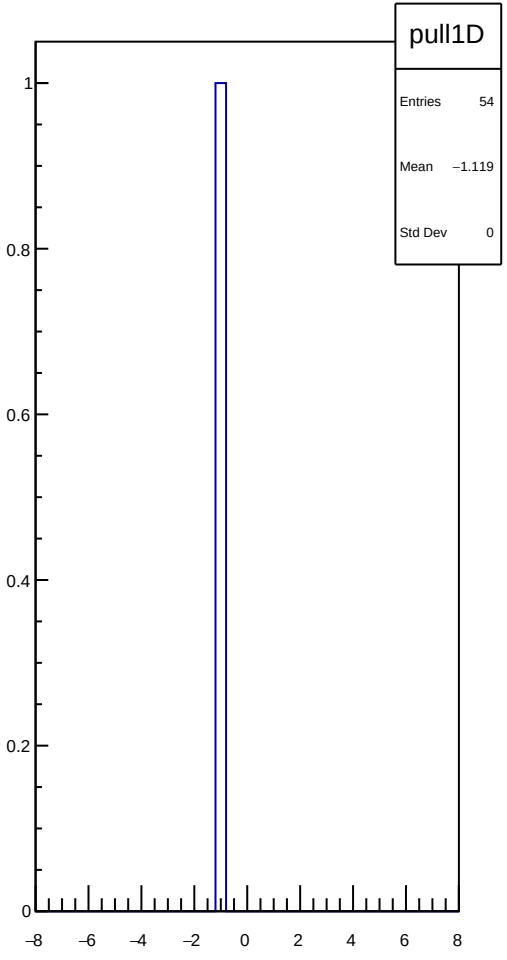

yield_sam4_rms vs run
χ² / ndf 3.275e+04 / 53
p0 0.1819 ± 0.0001793
0.35
0.3
0.25
0.2
0.15
0.1

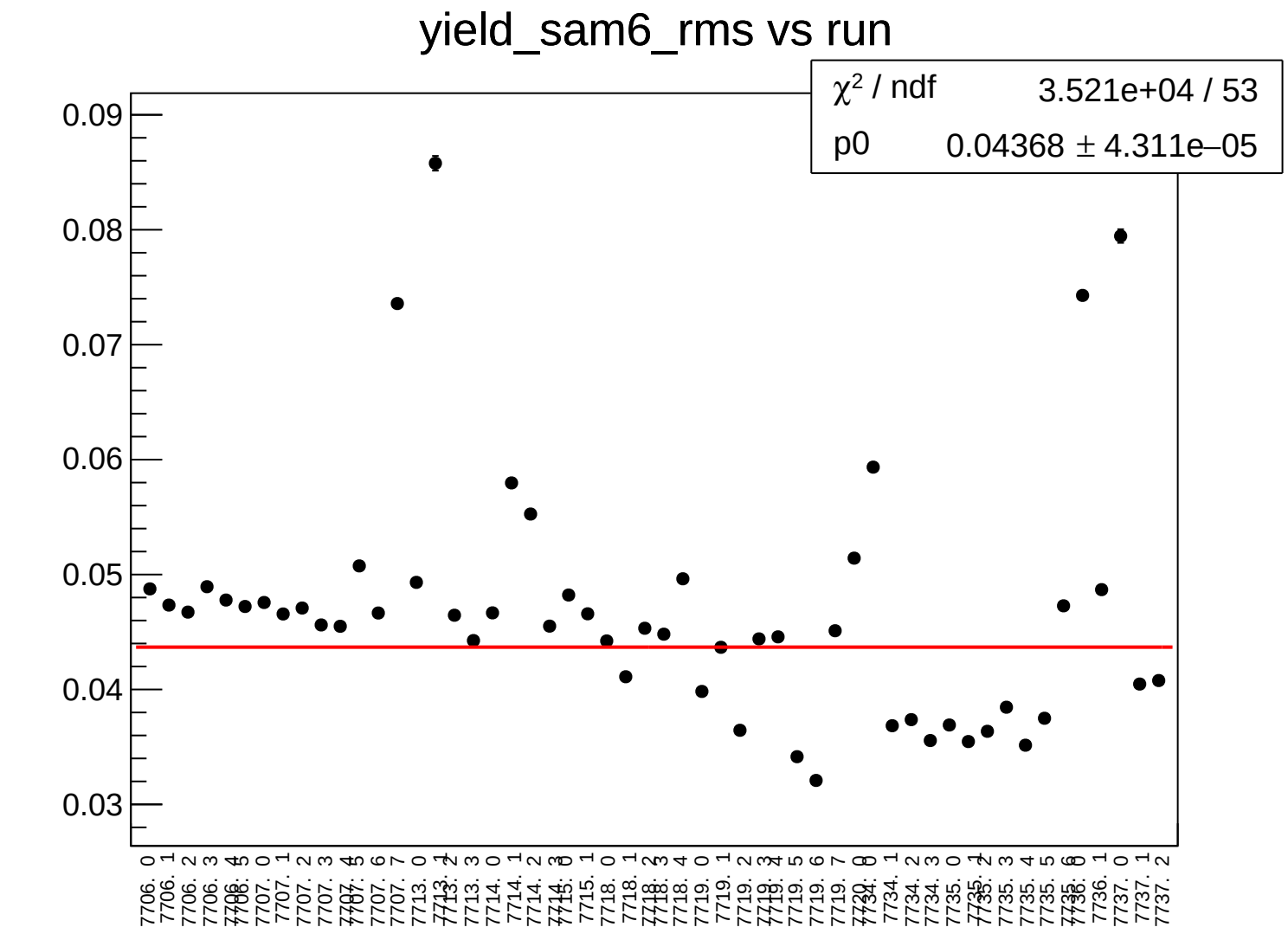

yield_sam5_mean vs run
χ² / ndf 2.028e+06 / 53
p0 17.73 ± 7.313e−05
18.1
18
17.9
17.8
17.7
17.6
17.5
pull
Entries 54
Mean 99.11
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

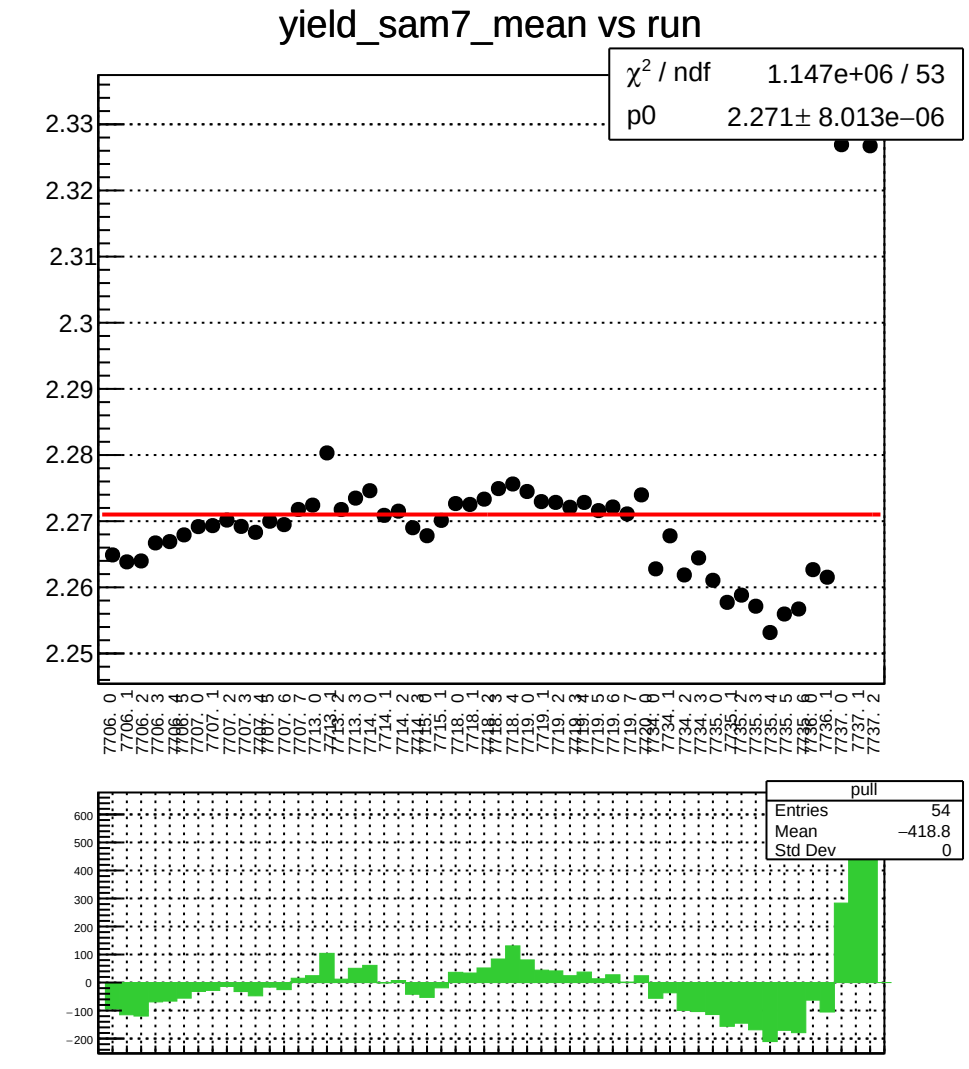

pull1D
Entries 54
Mean −1.091
Std Dev 3.883
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

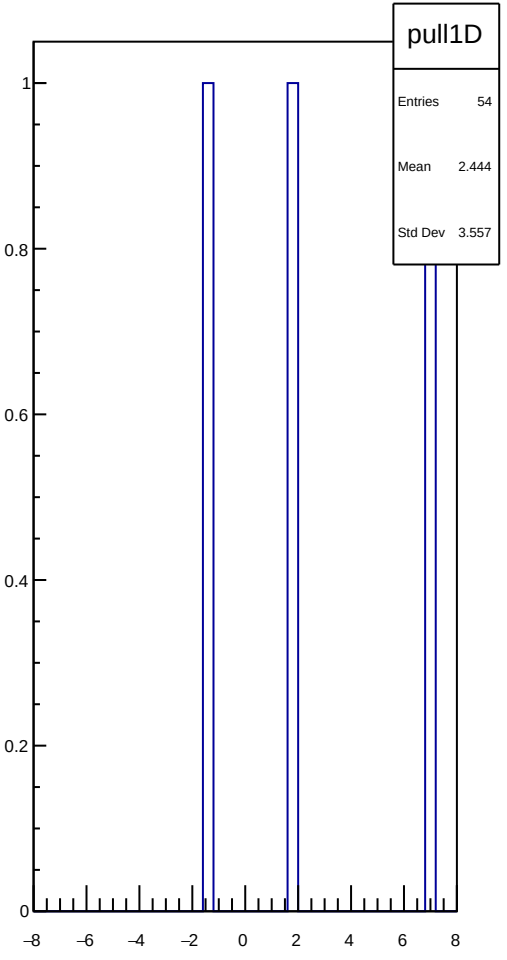

yield_sam5_rms vs run
χ² / ndf 7.896e+04 / 53
p0 0.05127 ± 5.171e–05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

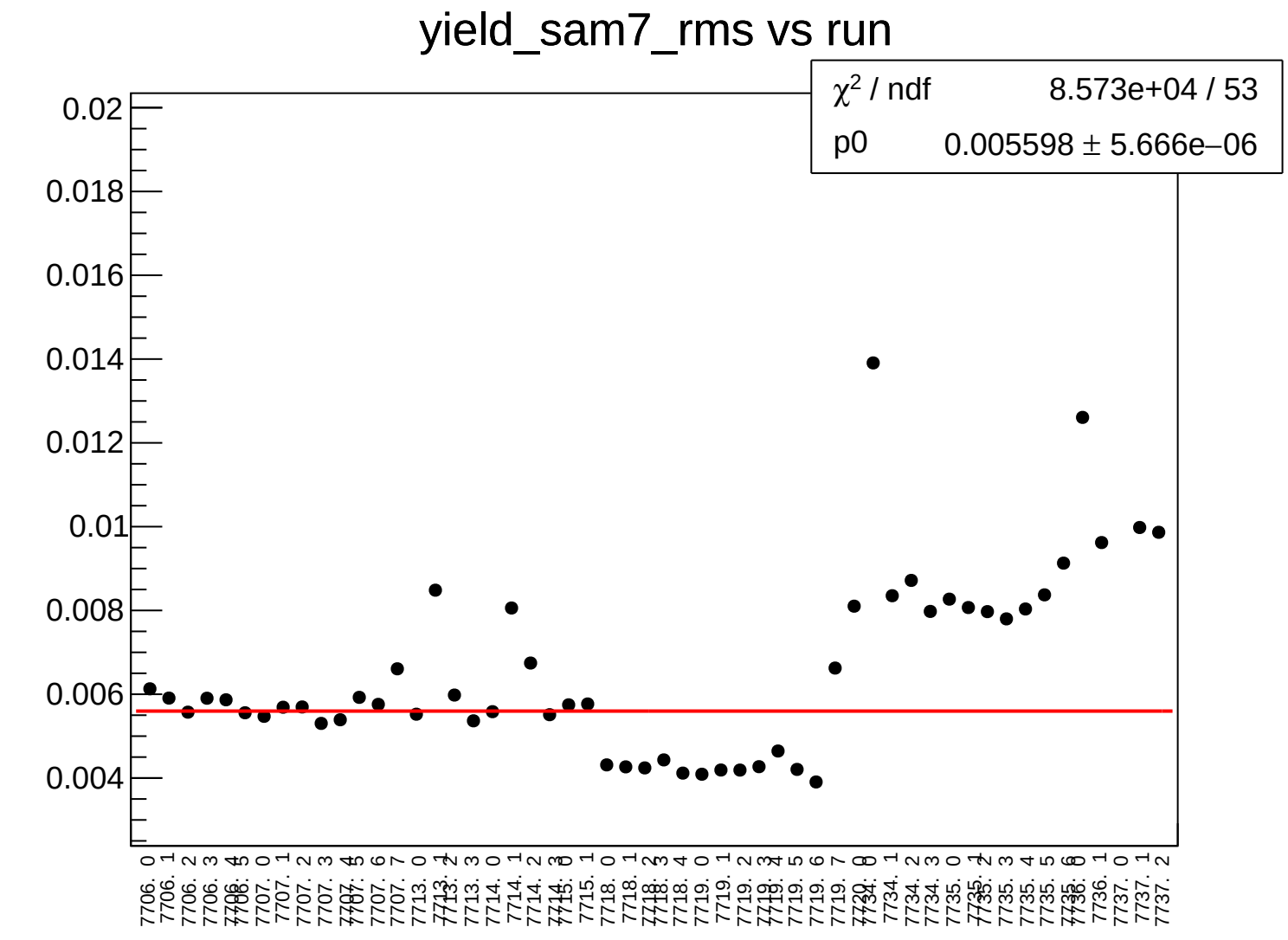

yield_sam6_mean vs run
χ² / ndf 3.867e+05 / 53
p0 9.156 ± 6.097e−05
9.3
9.25
9.2
9.15
9.1
pull
Entries 54
Mean −148.5
Std Dev 0
300
200
100
0
−100

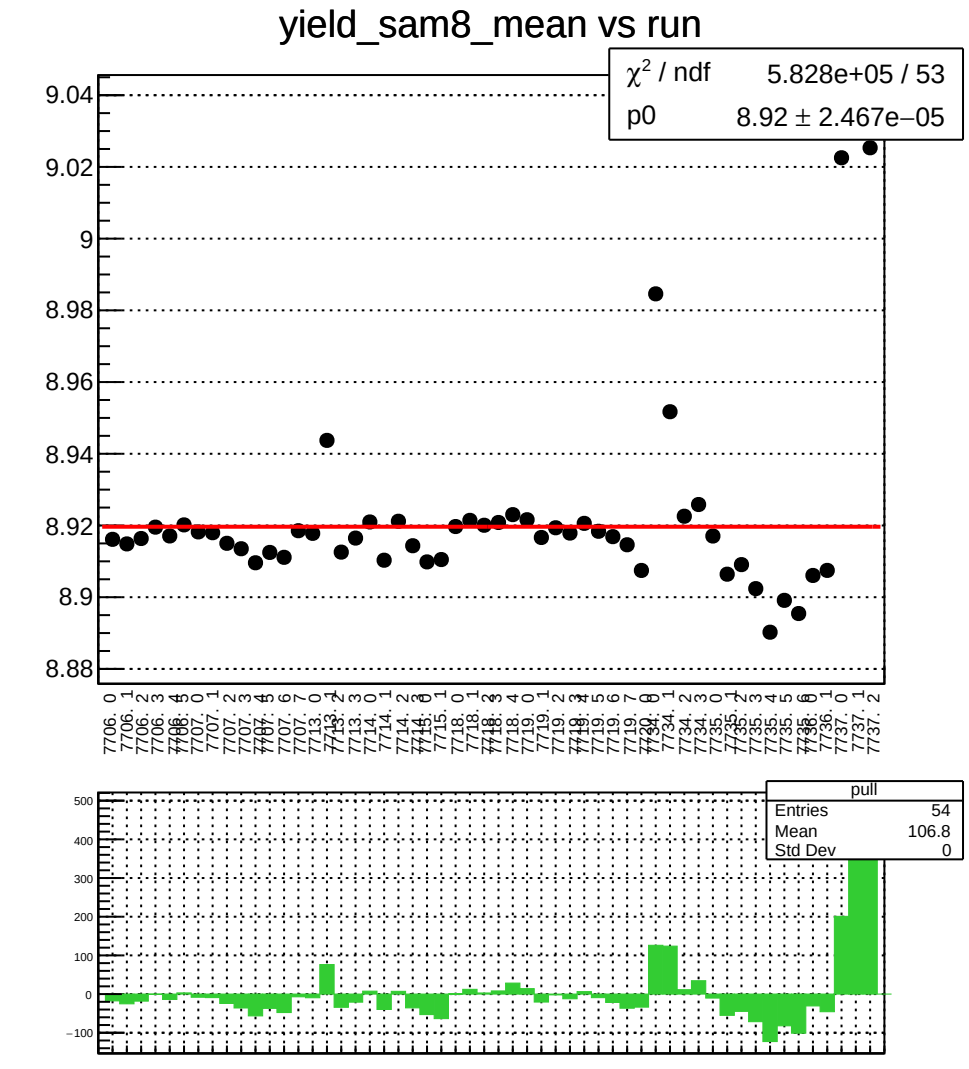

pull1D
Entries 54
Mean −1.119
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

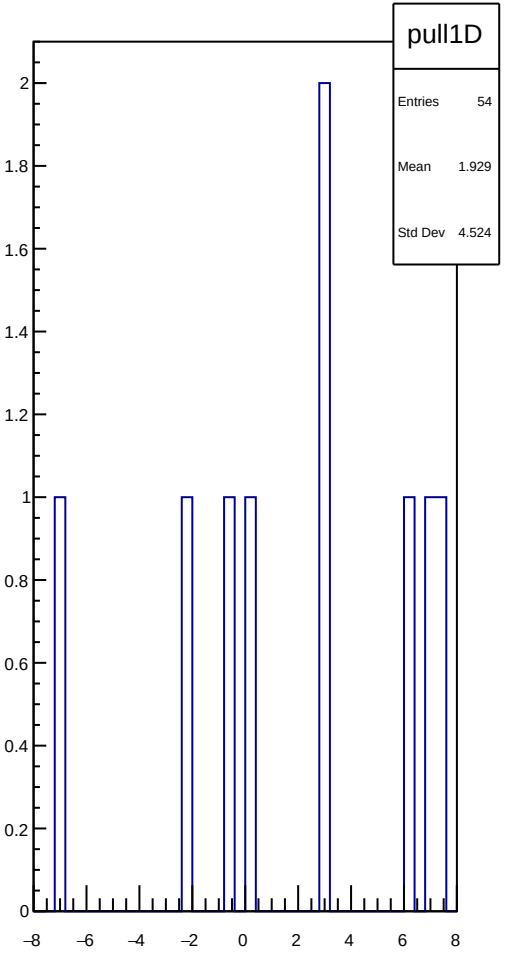

yield_sam6_rms vs run
χ² / ndf 3.521e+04 / 53
p0 0.04368 ± 4.311e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03

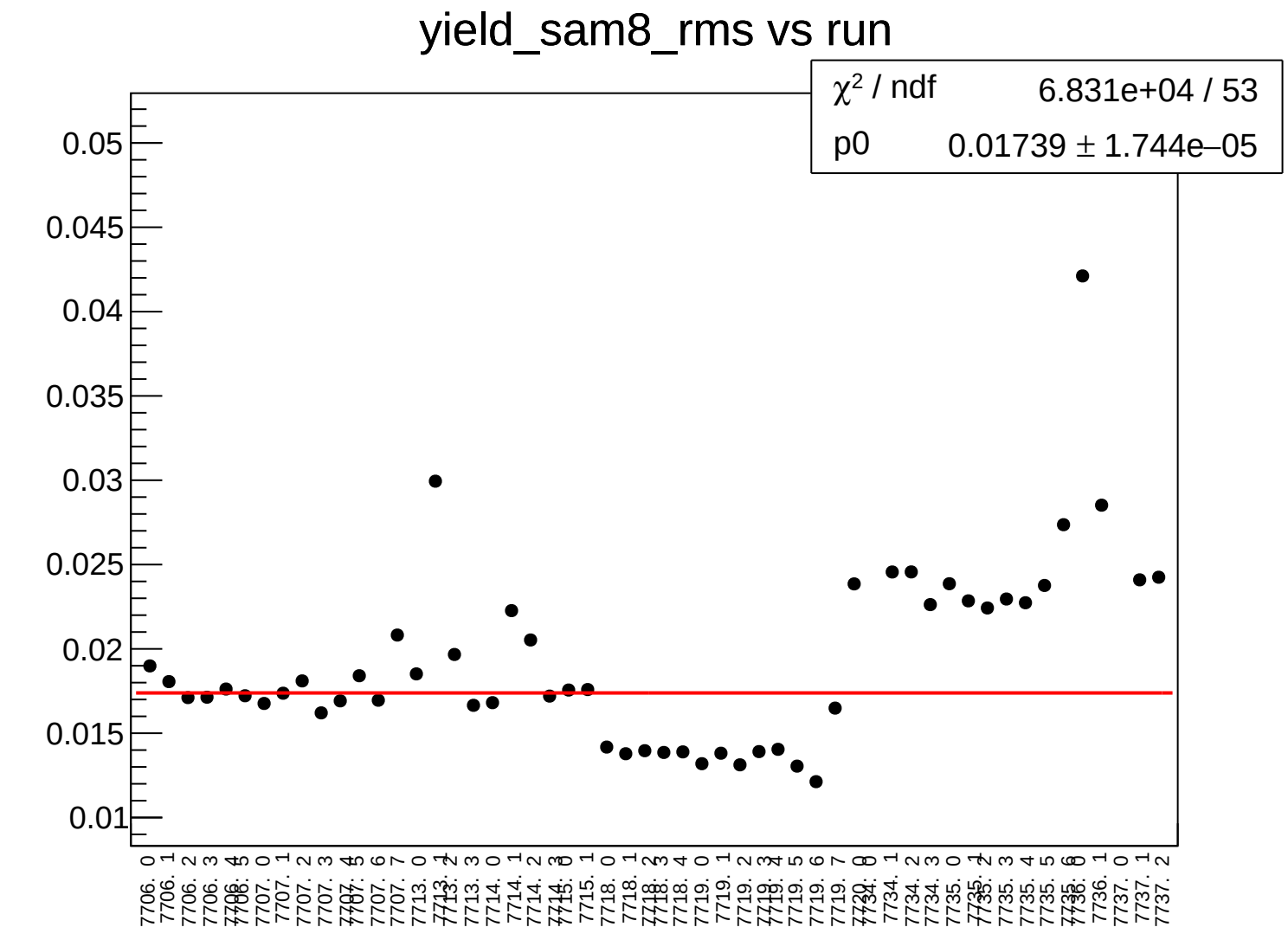

yield_sam7_mean vs run
χ² / ndf 1.147e+06 / 53
p0 2.271± 8.013e−06
2.33
2.32
2.31
2.3
2.29
2.28
2.27
2.26
2.25
pull
Entries 54
Mean −418.8
Std Dev 0
600
500
400
300
200
100
0
−100
−200

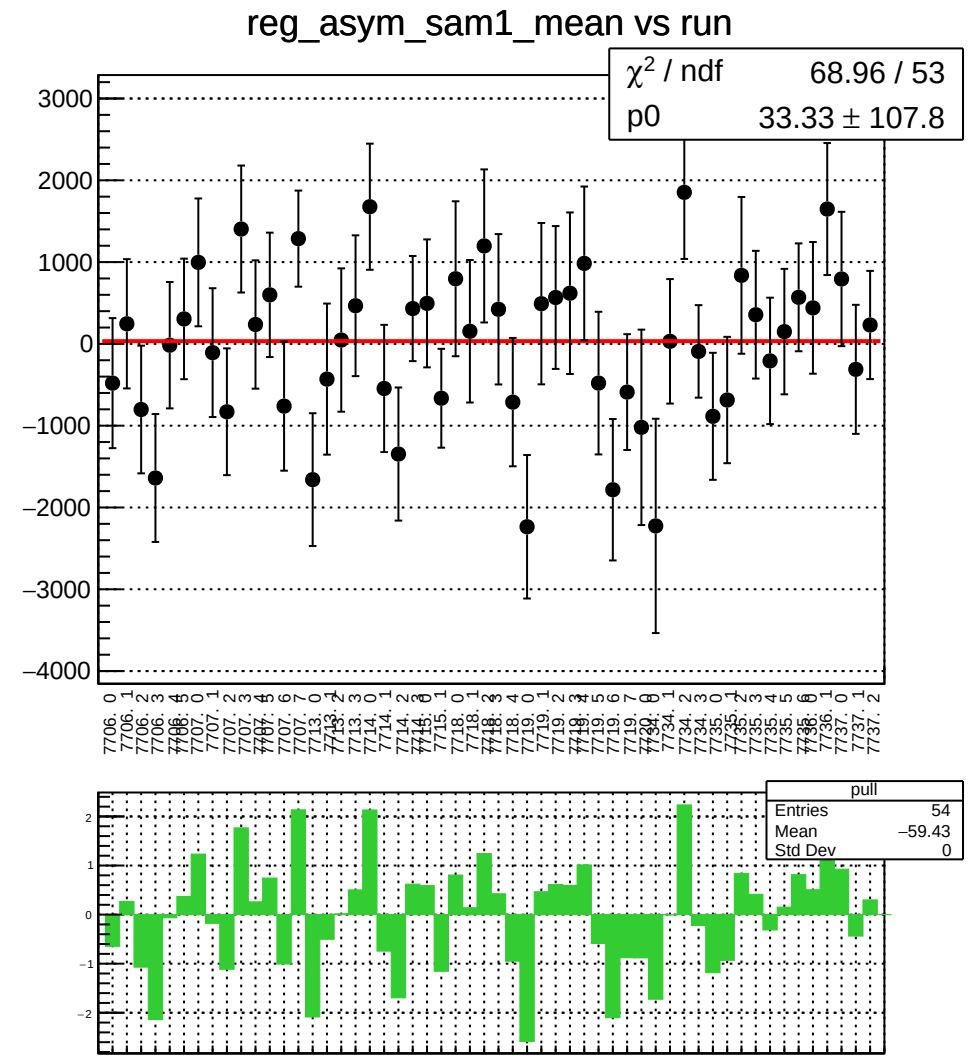

pull1D
Entries 54
Mean 2.444
Std Dev 3.557
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

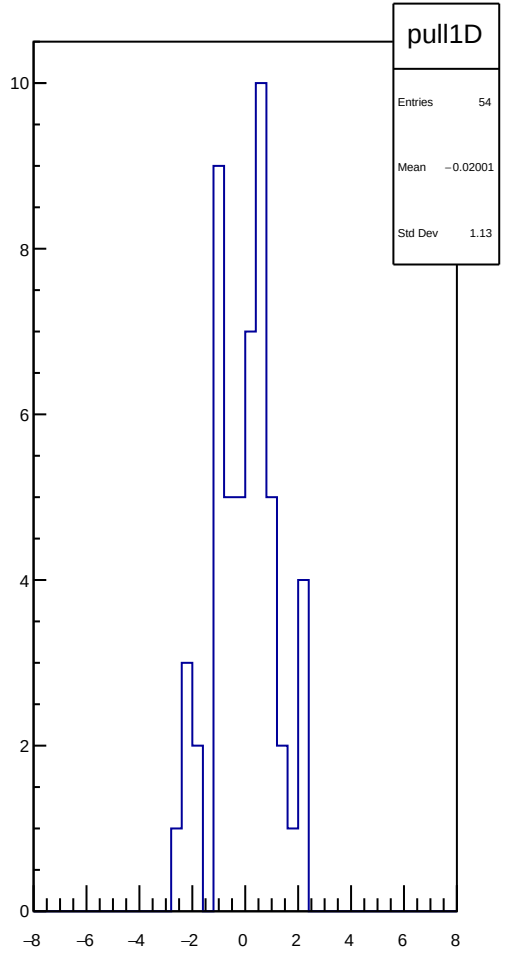

yield_sam7_rms vs run
χ² / ndf 8.573e+04 / 53
p0 0.005598 ± 5.666e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

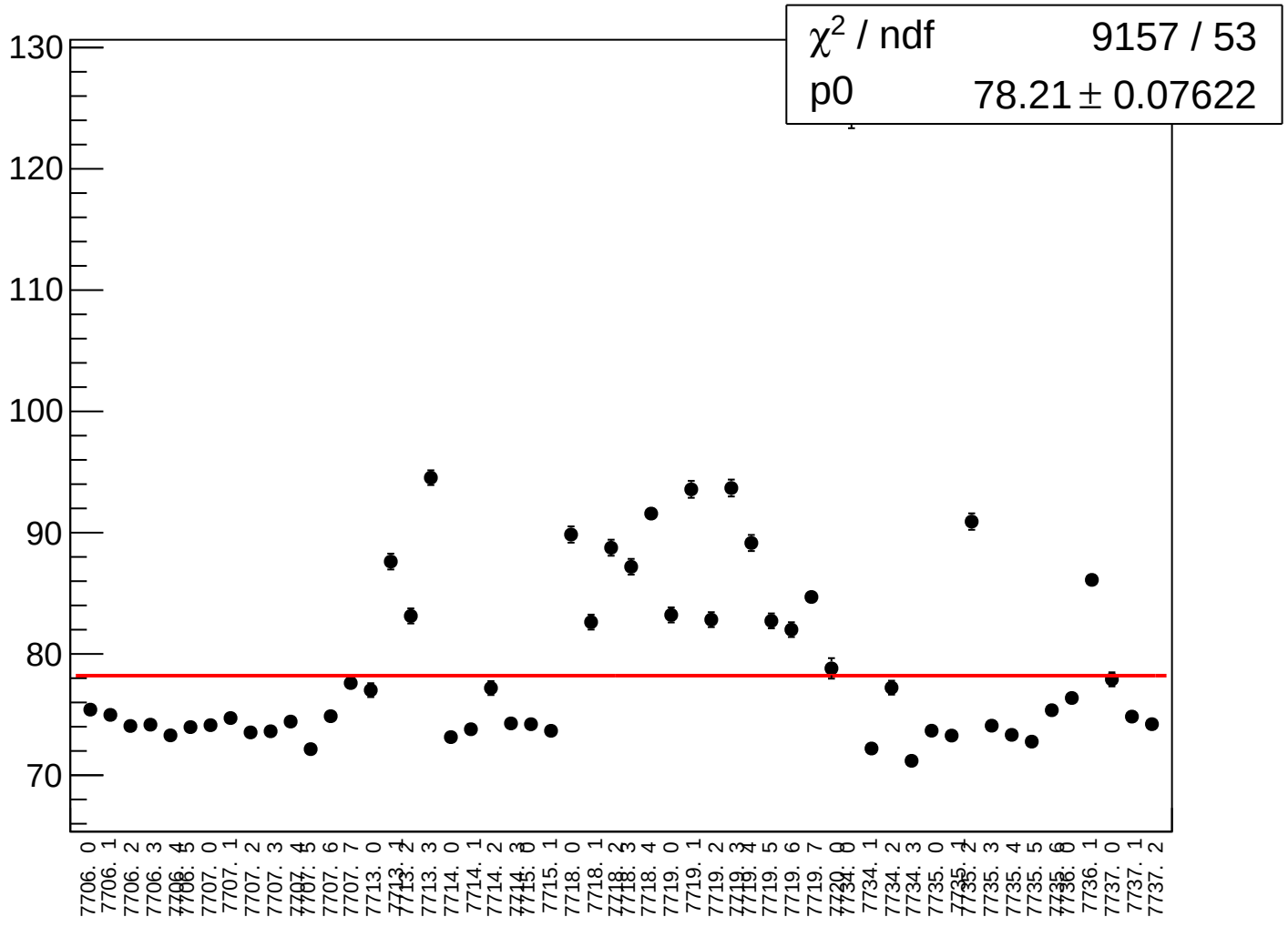

yield_sam8_mean vs run
χ² / ndf 5.828e+05 / 53
p0 8.92 ± 2.467e−05
9.04
9.02
9
8.98
8.96
8.94
8.92
8.9
8.88
pull
Entries 54
Mean 106.8
Std Dev 0
500
400
300
200
100
0
−100

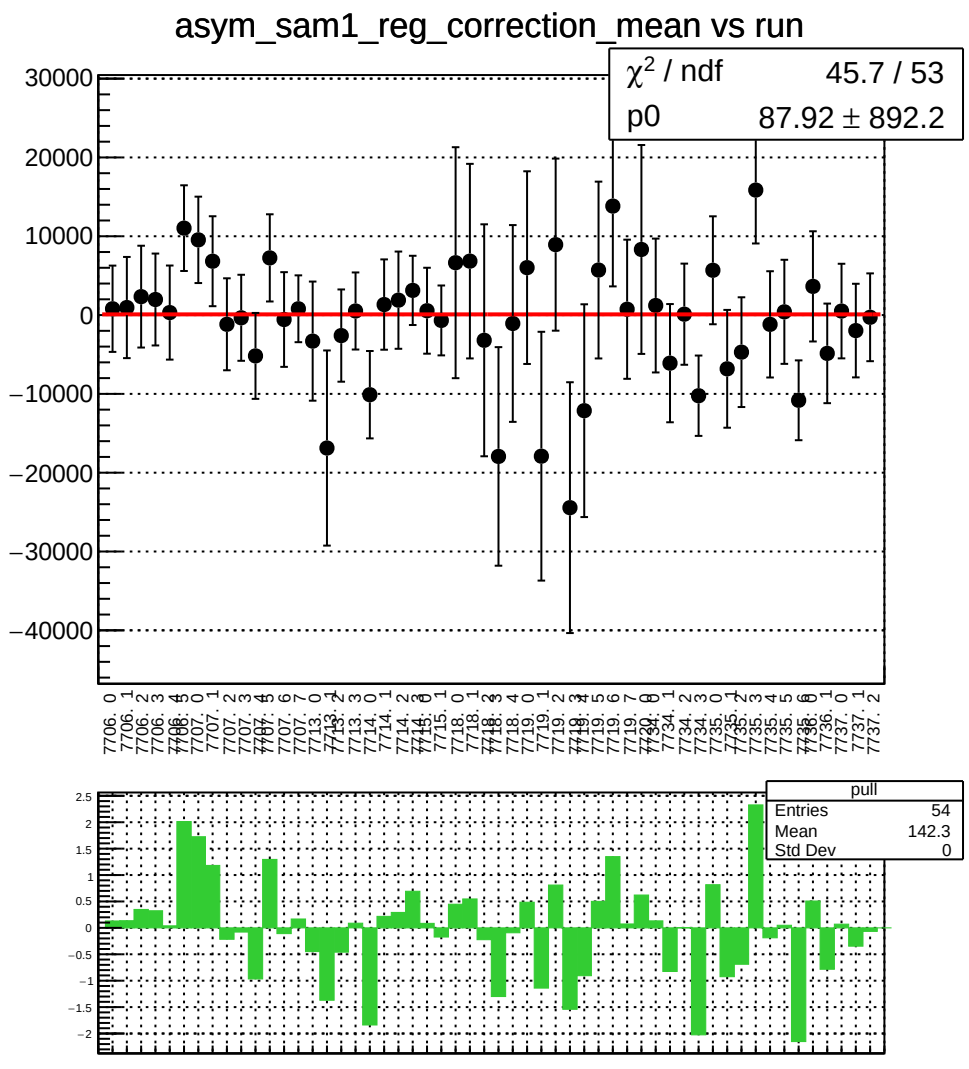

pull1D
Entries 54
Mean 1.929
Std Dev 4.524
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

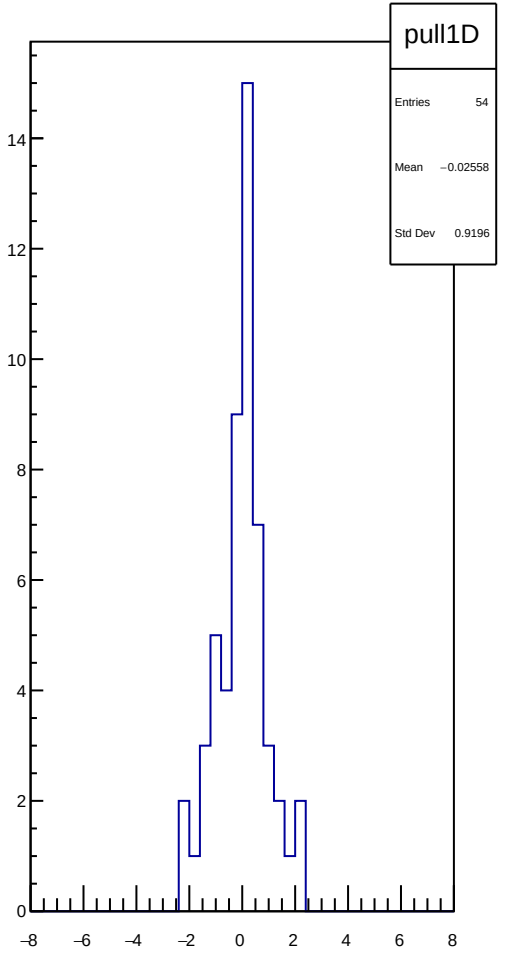

yield_sam8_rms vs run
χ² / ndf 6.831e+04 / 53
p0 0.01739 ± 1.744e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

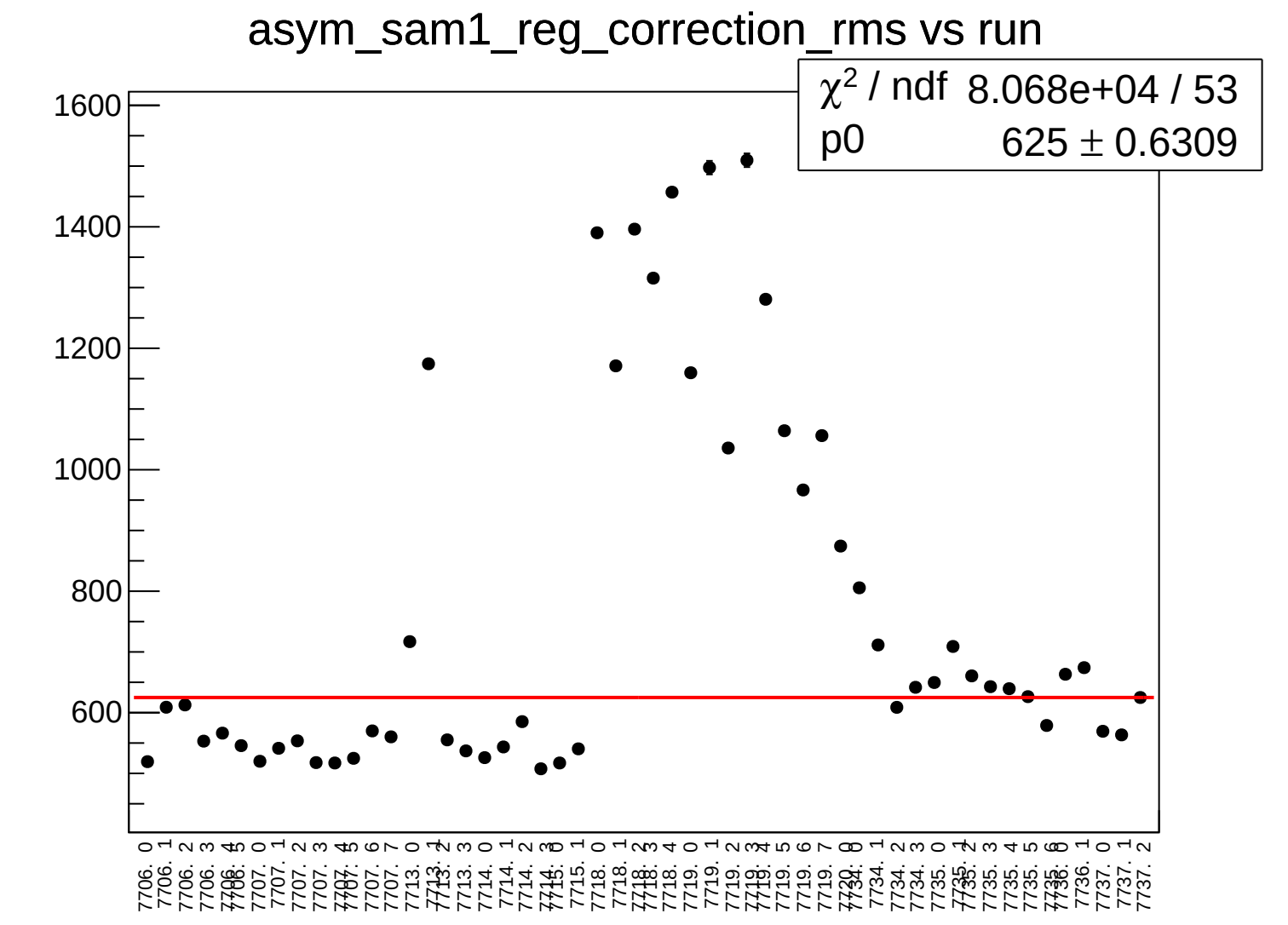

reg_asym_sam1_mean vs run
χ² / ndf 68.96 / 53
p0 33.33 ± 107.8
pull
Entries 54
Mean −59.43
Std Dev 0

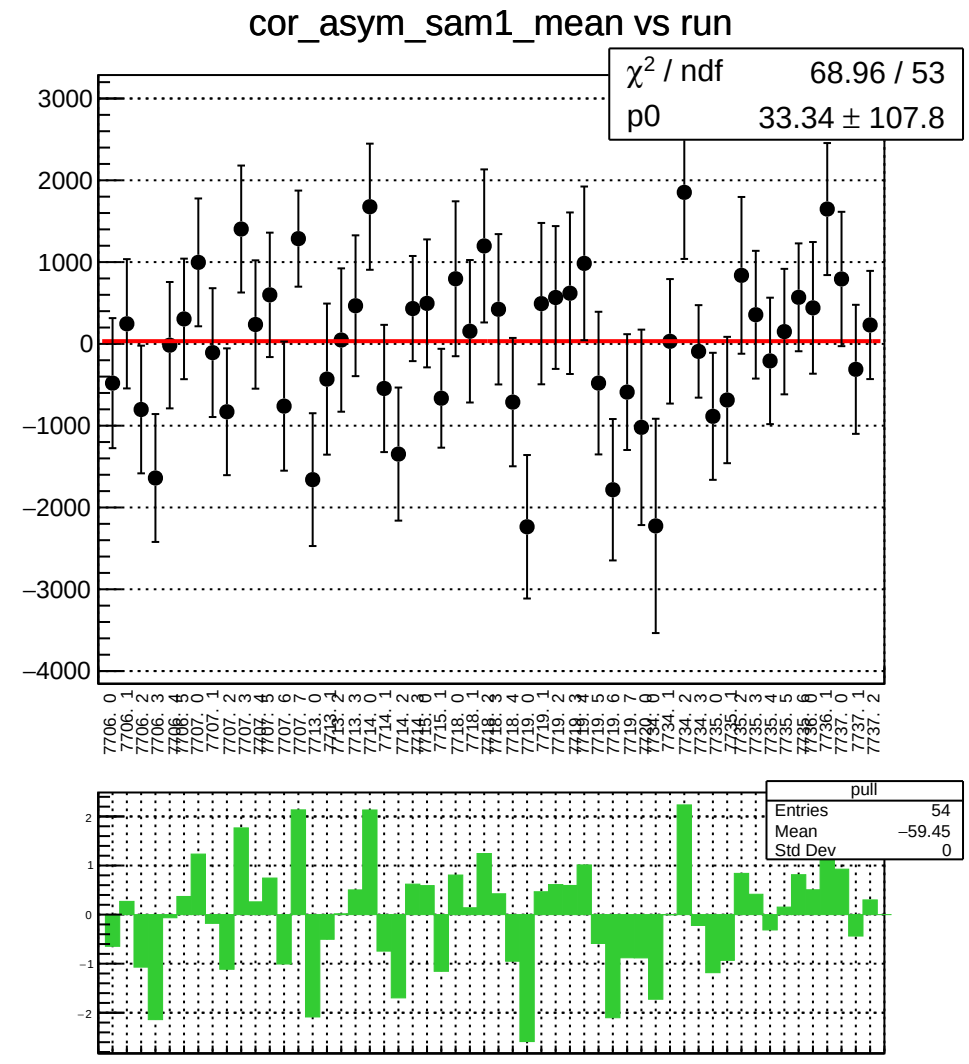

pull1D
Entries 54
Mean −0.02001
Std Dev 1.13

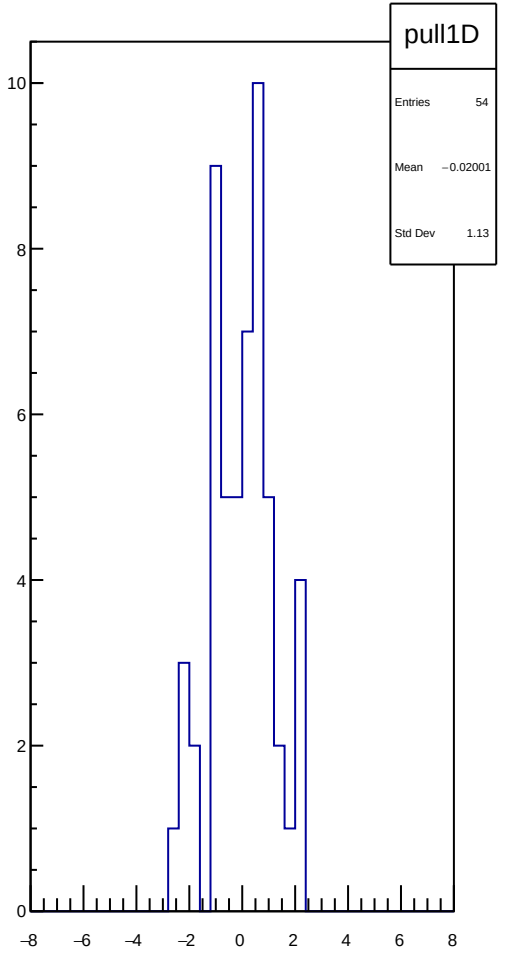

reg_asym_sam1_rms vs run
χ^2 / ndf 9157 / 53
p0 78.21 ± 0.07622
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

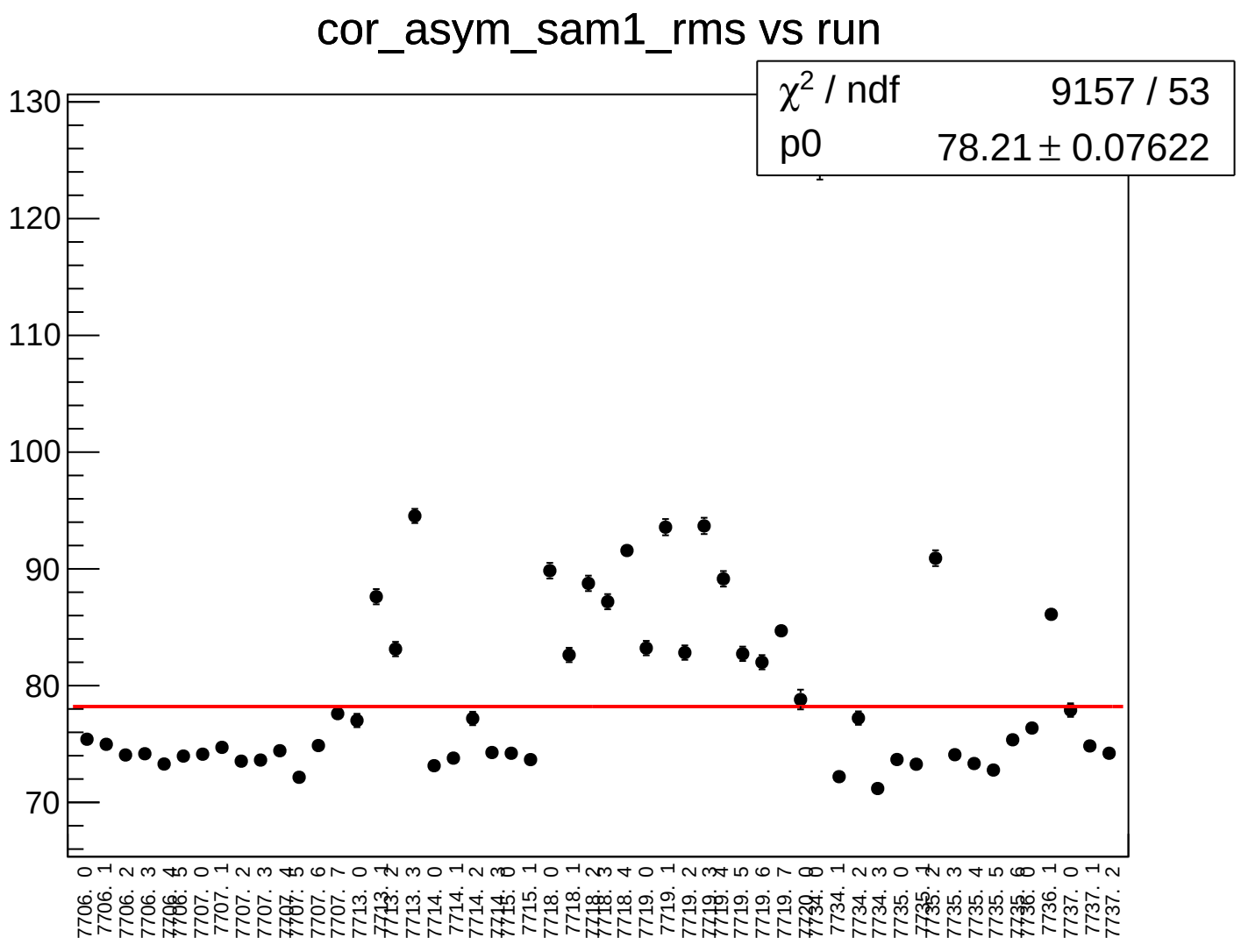

asym_sam1_reg_correction_mean vs run
χ² / ndf 45.7 / 53
p0 87.92 ± 892.2
pull
Entries 54
Mean 142.3
Std Dev 0

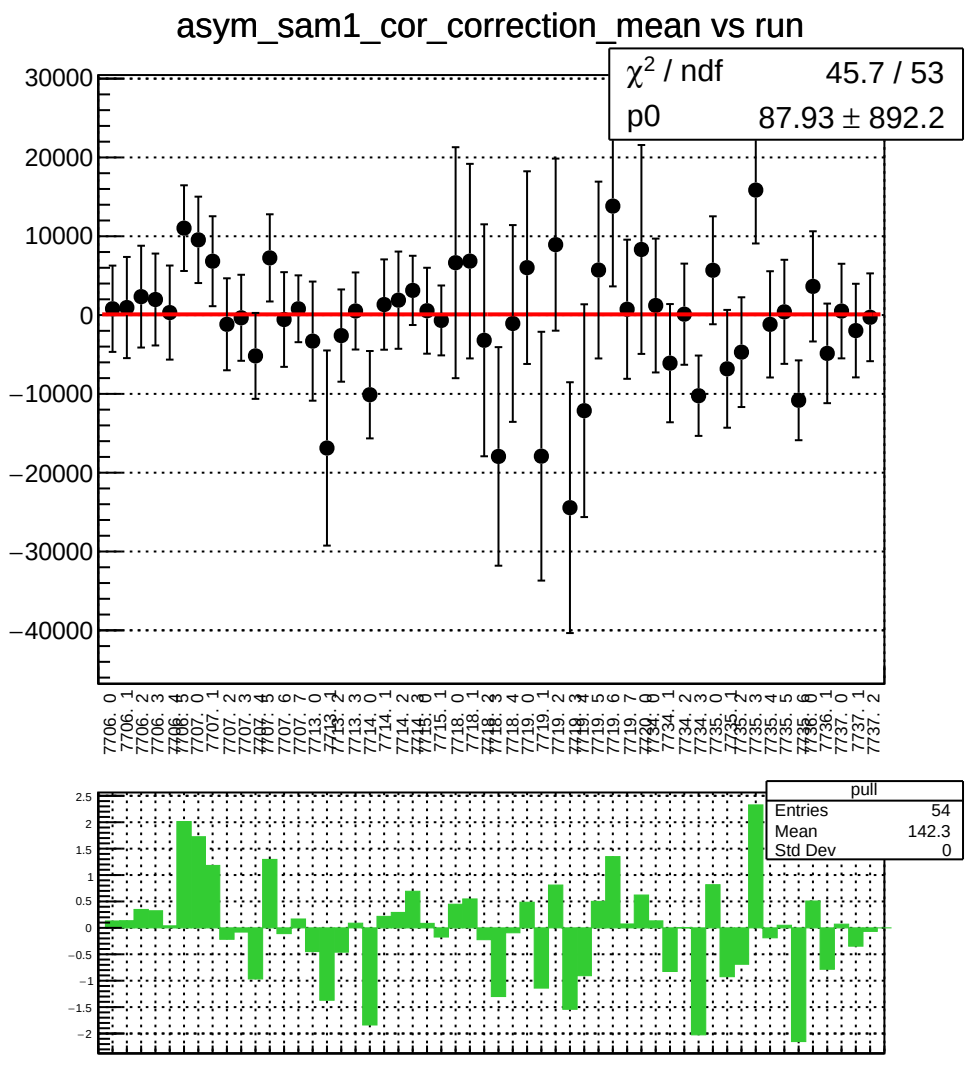

pull1D
Entries 54
Mean −0.02558
Std Dev 0.9196

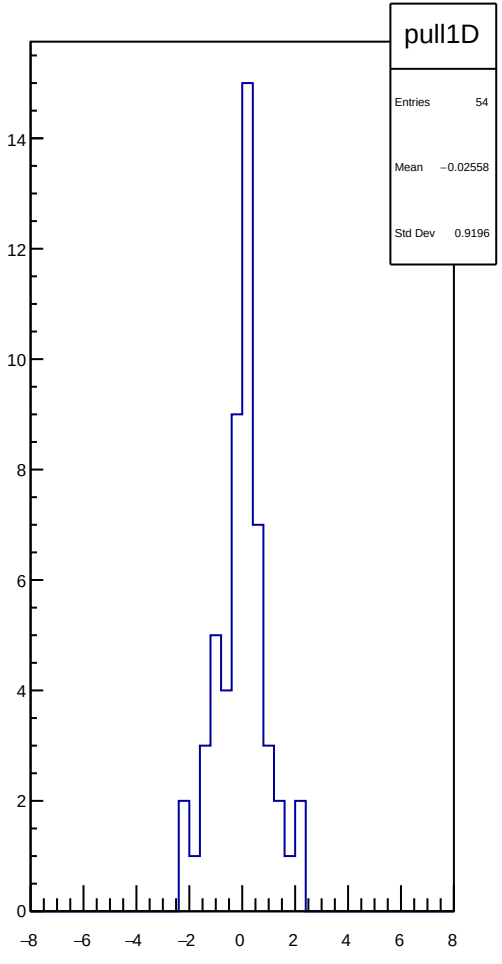

asym_sam1_reg_correction_rms vs run
χ² / ndf 8.068e+04 / 53
p0 625 ± 0.6309
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

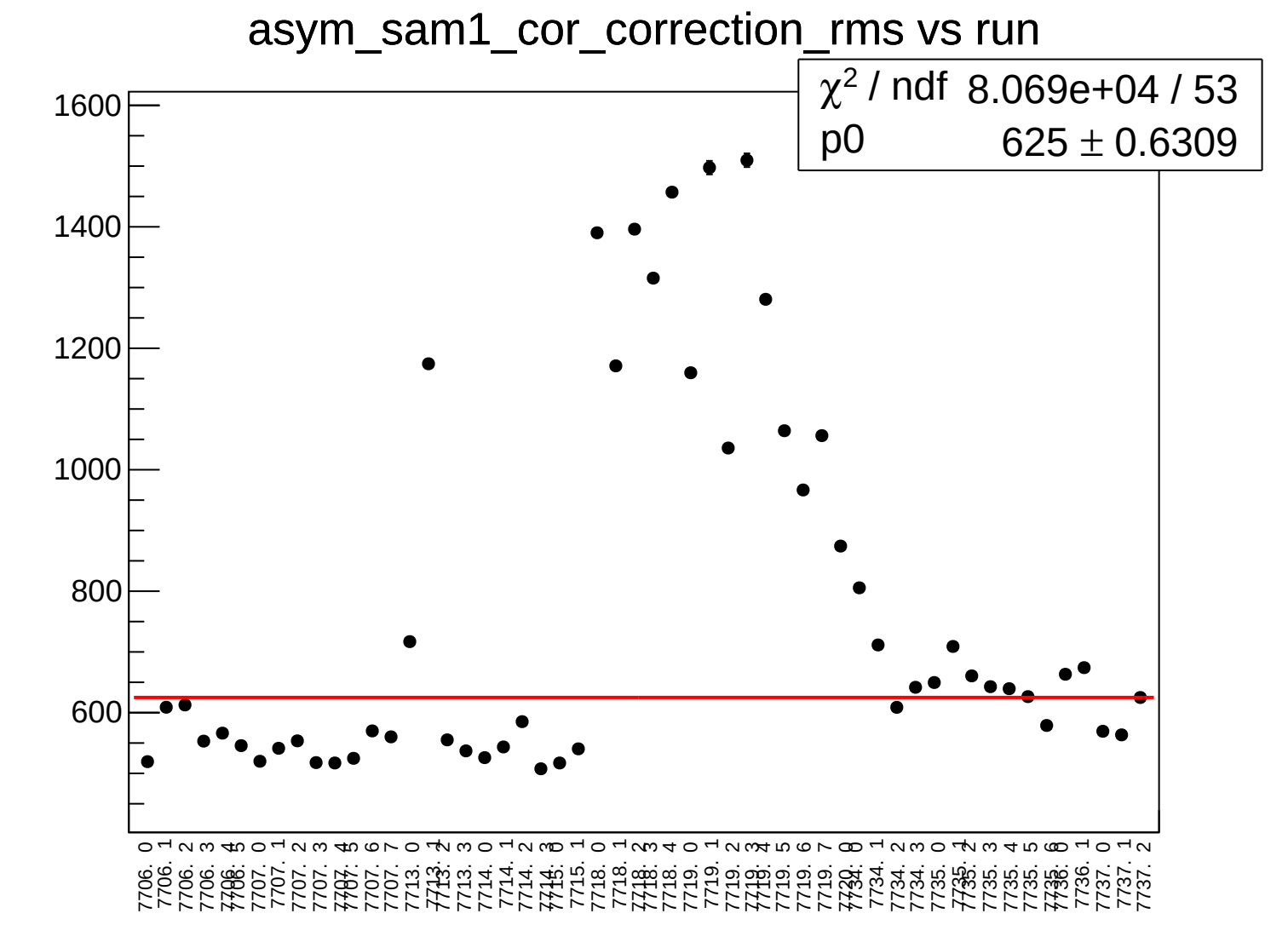

cor_asym_sam1_mean vs run
χ² / ndf 68.96 / 53
p0 33.34 ± 107.8
pull
Entries 54
Mean −59.45
Std Dev 0

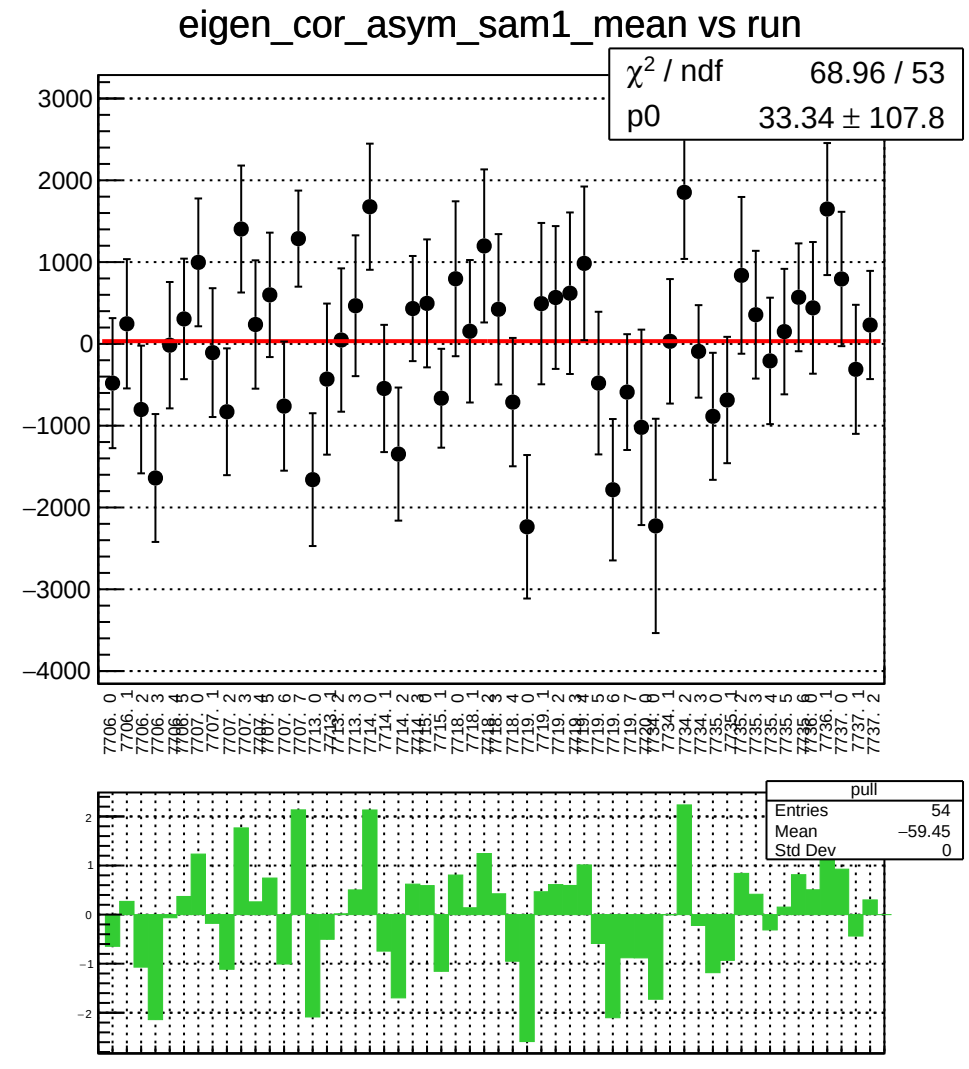

pull1D
Entries 54
Mean −0.02001
Std Dev 1.13

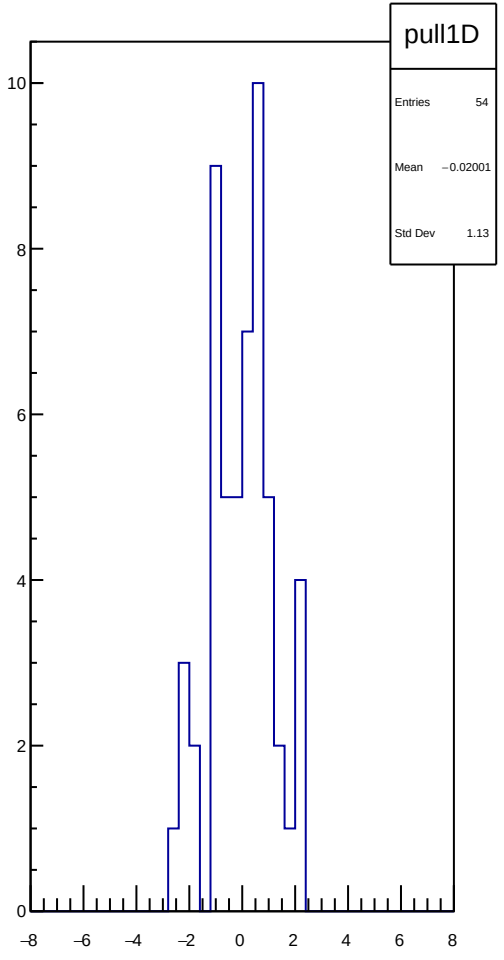

cor_asym_sam1_rms vs run
χ^2 / ndf 9157 / 53
p0 78.21 ± 0.07622
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

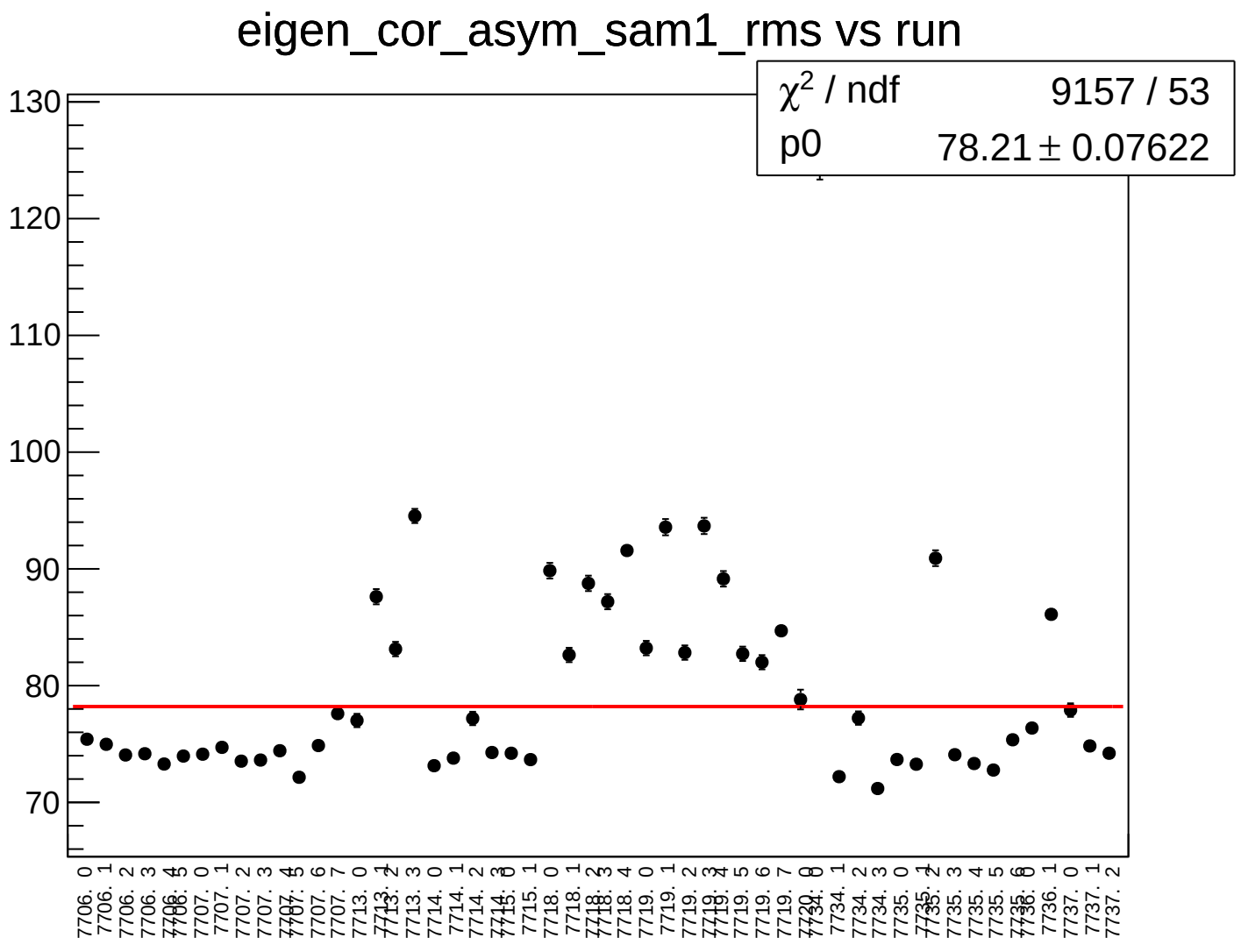

asym_sam1_cor_correction_mean vs run
χ² / ndf 45.7 / 53
p0 87.93 ± 892.2
pull
Entries 54
Mean 142.3
Std Dev 0

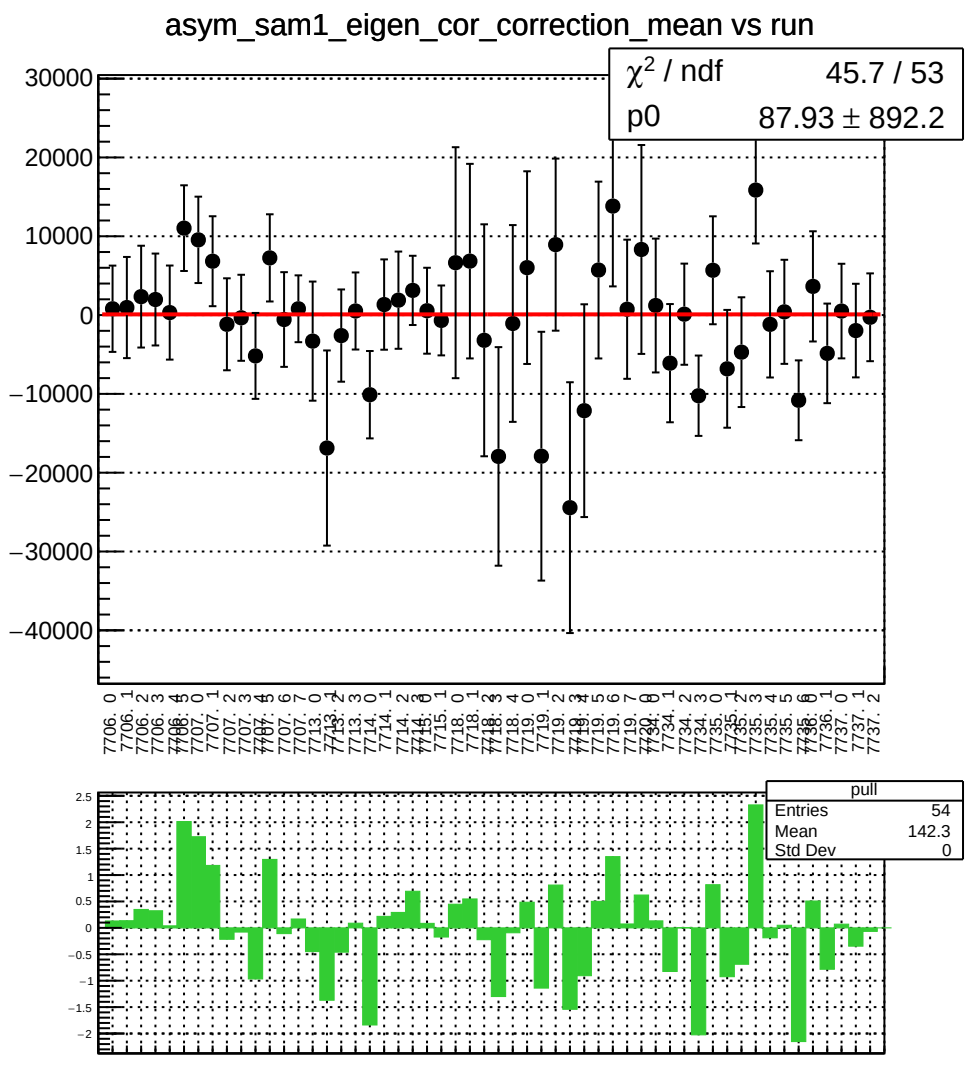

pull1D
Entries 54
Mean −0.02558
Std Dev 0.9196

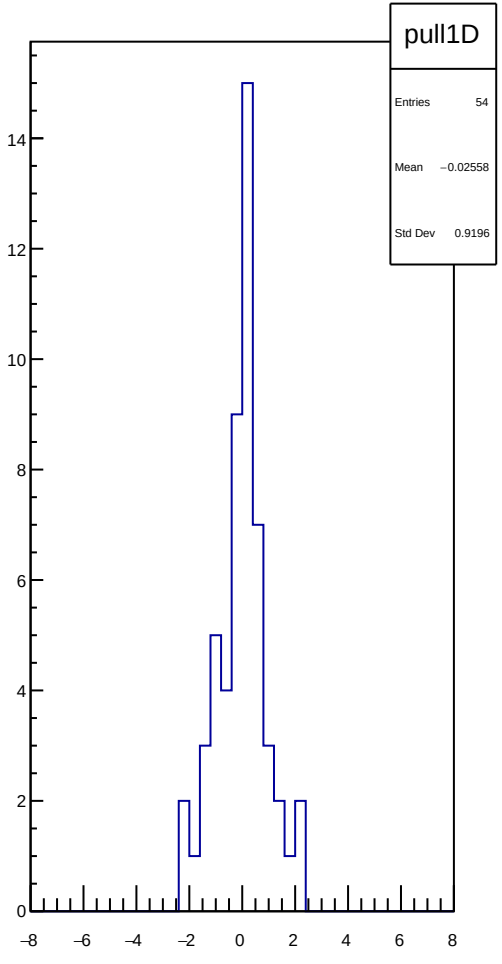

asym_sam1_cor_correction_rms vs run
χ² / ndf 8.069e+04 / 53
p0 625 ± 0.6309
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

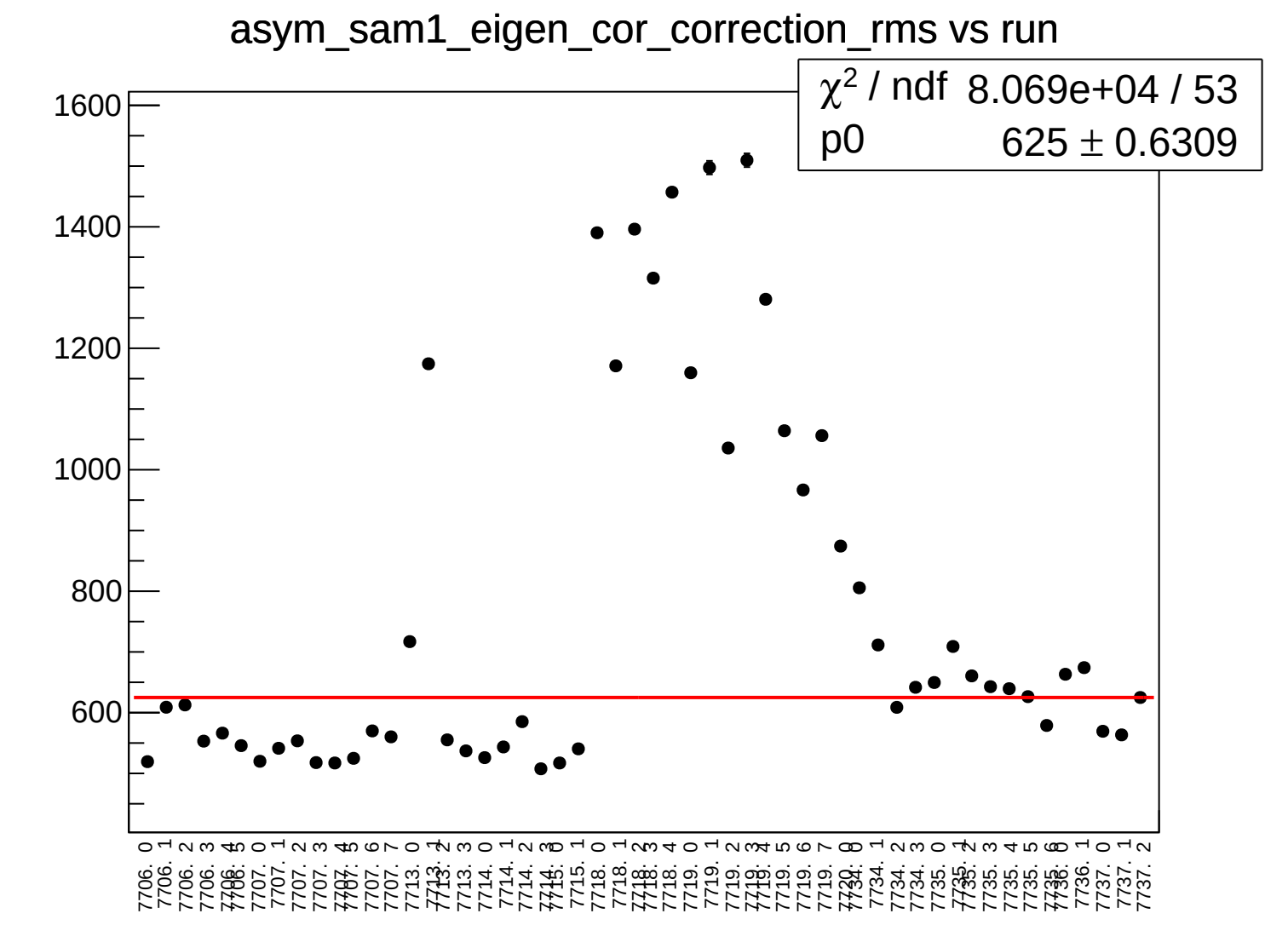

eigen_cor_asym_sam1_mean vs run
χ² / ndf 68.96 / 53
p0 33.34 ± 107.8
pull
Entries 54
Mean −59.45
Std Dev 0

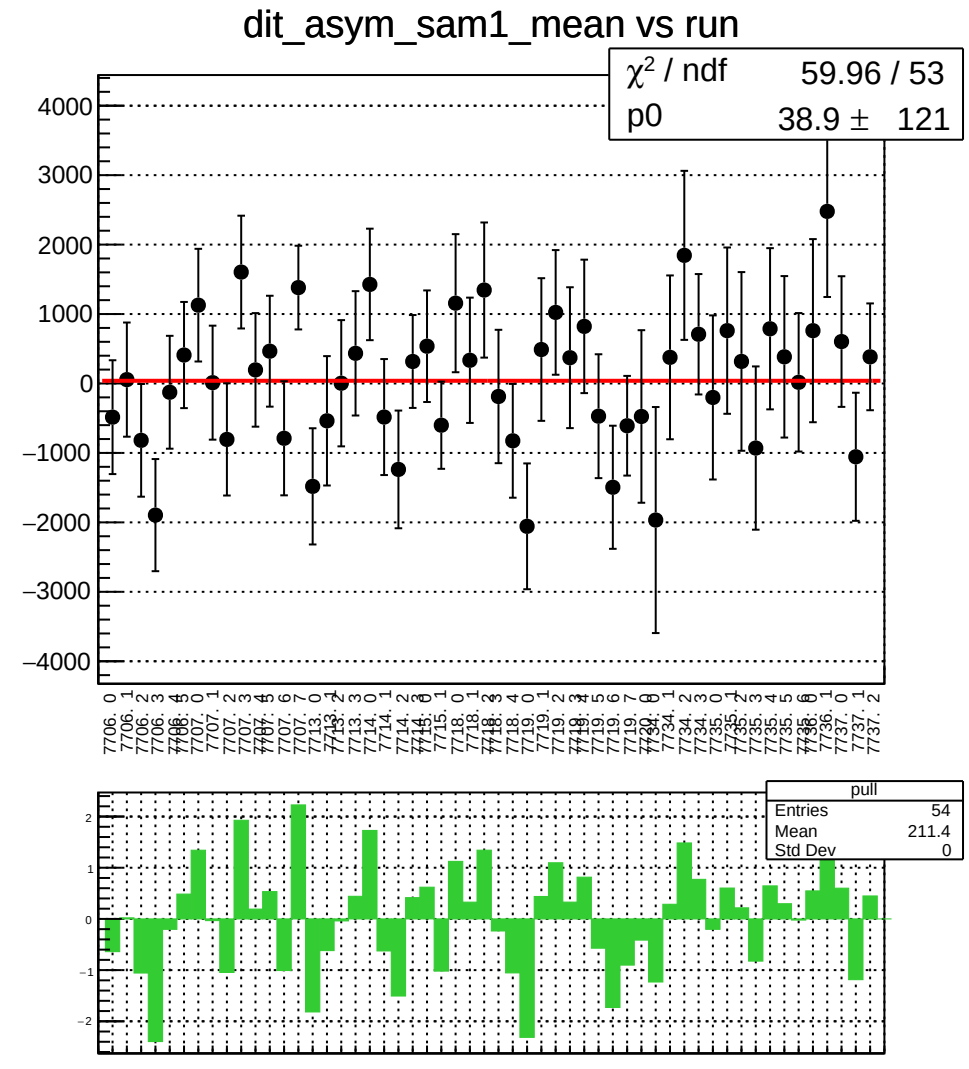

pull1D
Entries 54
Mean −0.02001
Std Dev 1.13

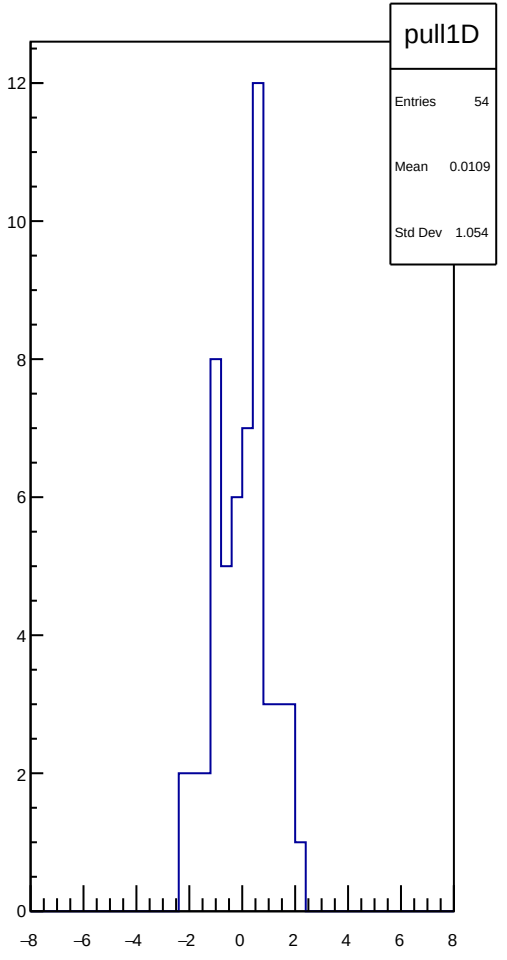

eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 9157 / 53
p0 78.21 ± 0.07622
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

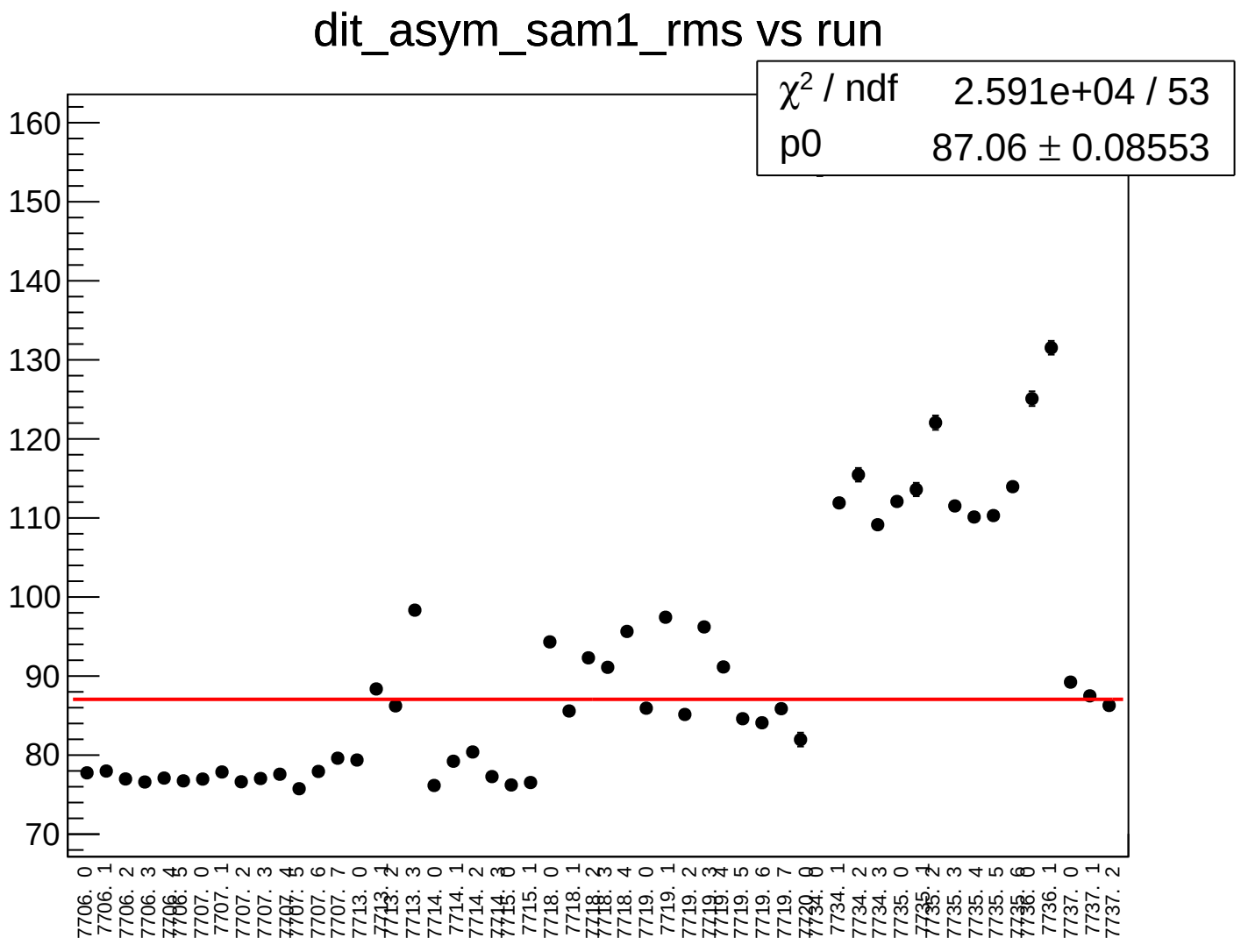

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 45.7 / 53
p0 87.93 ± 892.2
pull
Entries 54
Mean 142.3
Std Dev 0

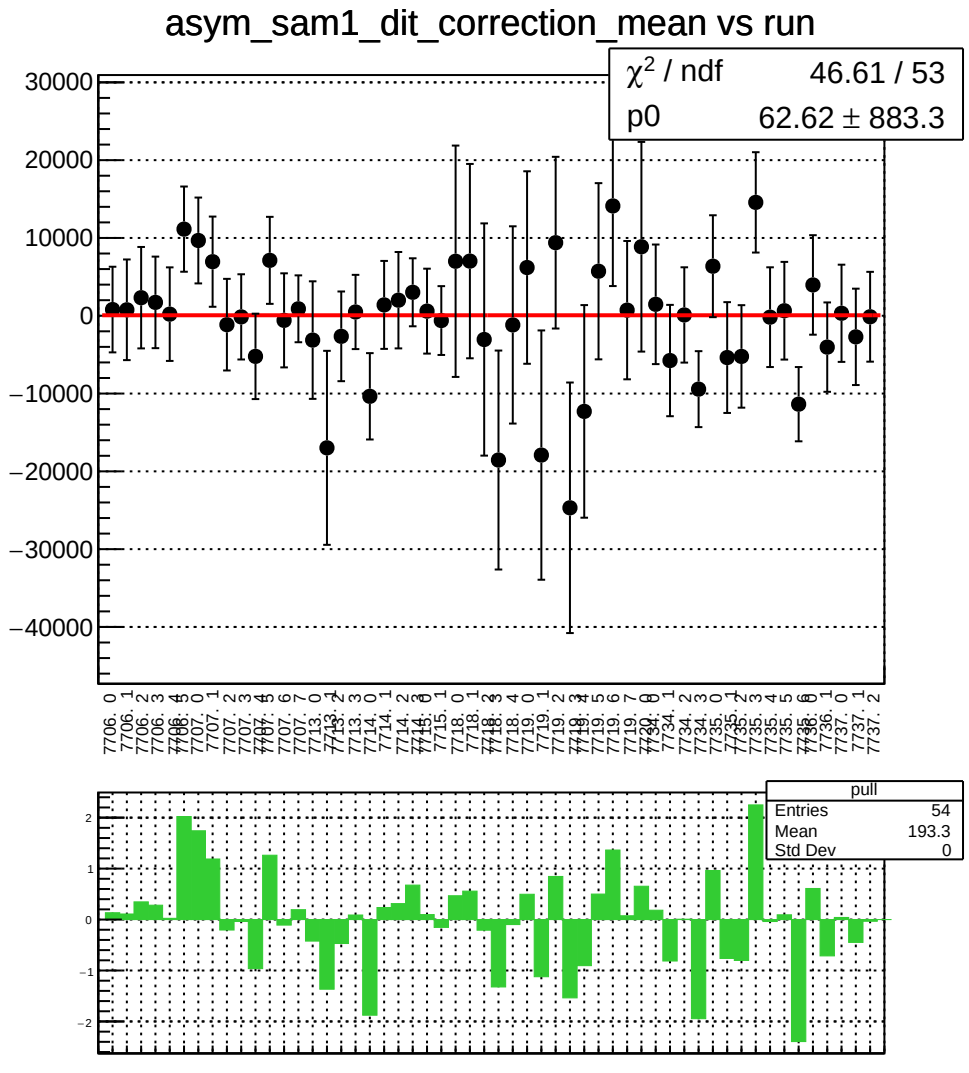

pull1D
Entries 54
Mean −0.02558
Std Dev 0.9196

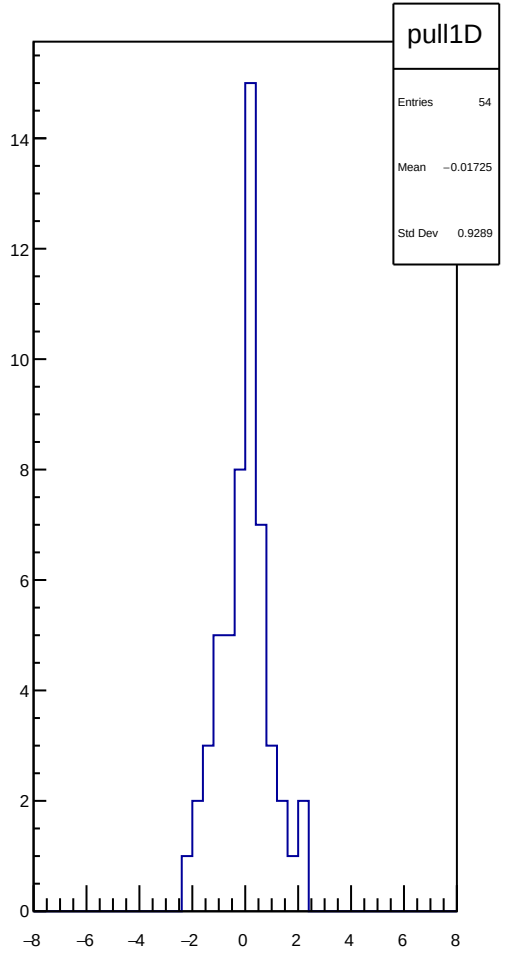

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 8.069e+04 / 53
p0 625 ± 0.6309
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

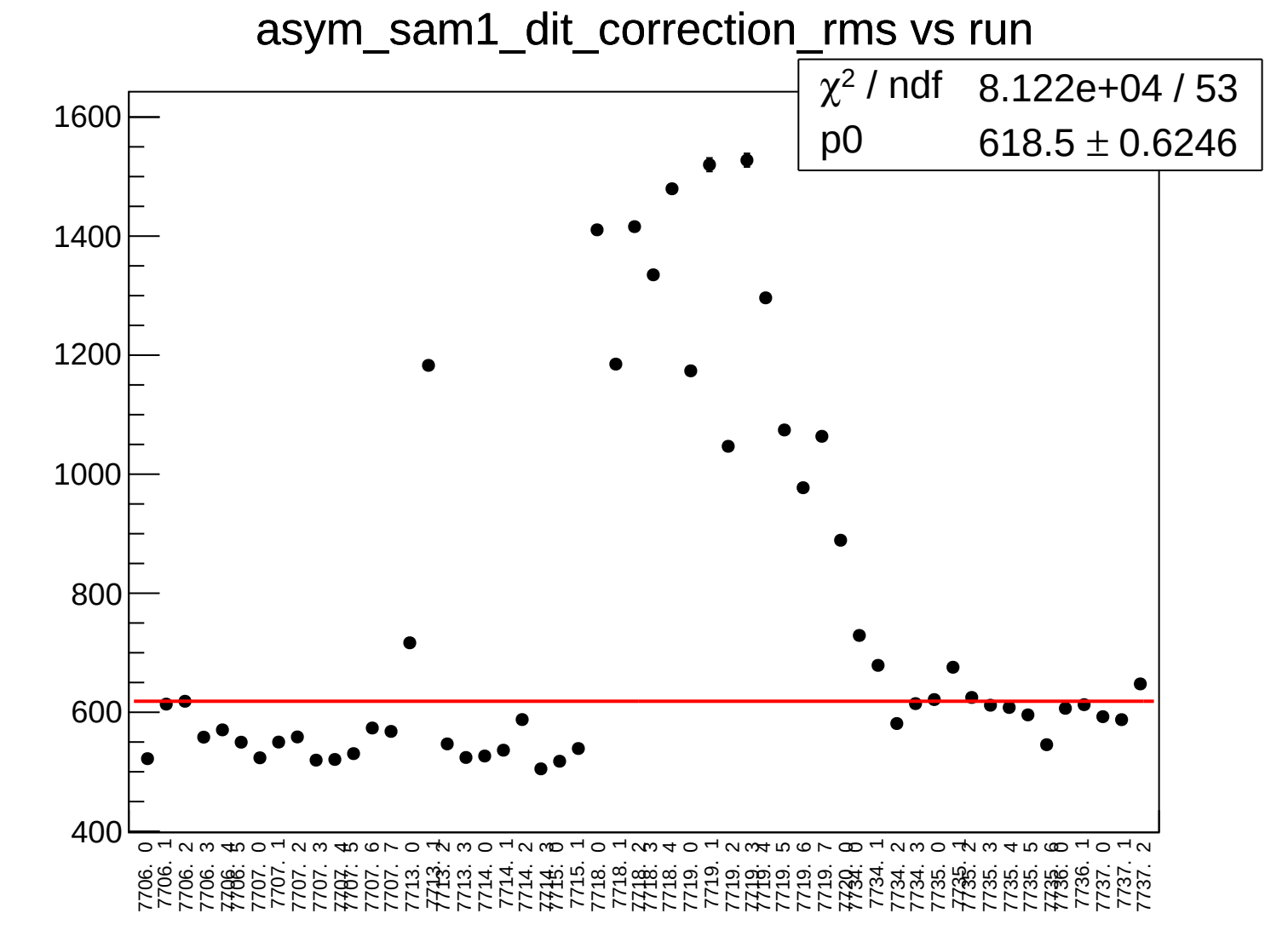

dit_asym_sam1_mean vs run
χ² / ndf 59.96 / 53
p0 38.9 ± 121
pull
Entries 54
Mean 211.4
Std Dev 0

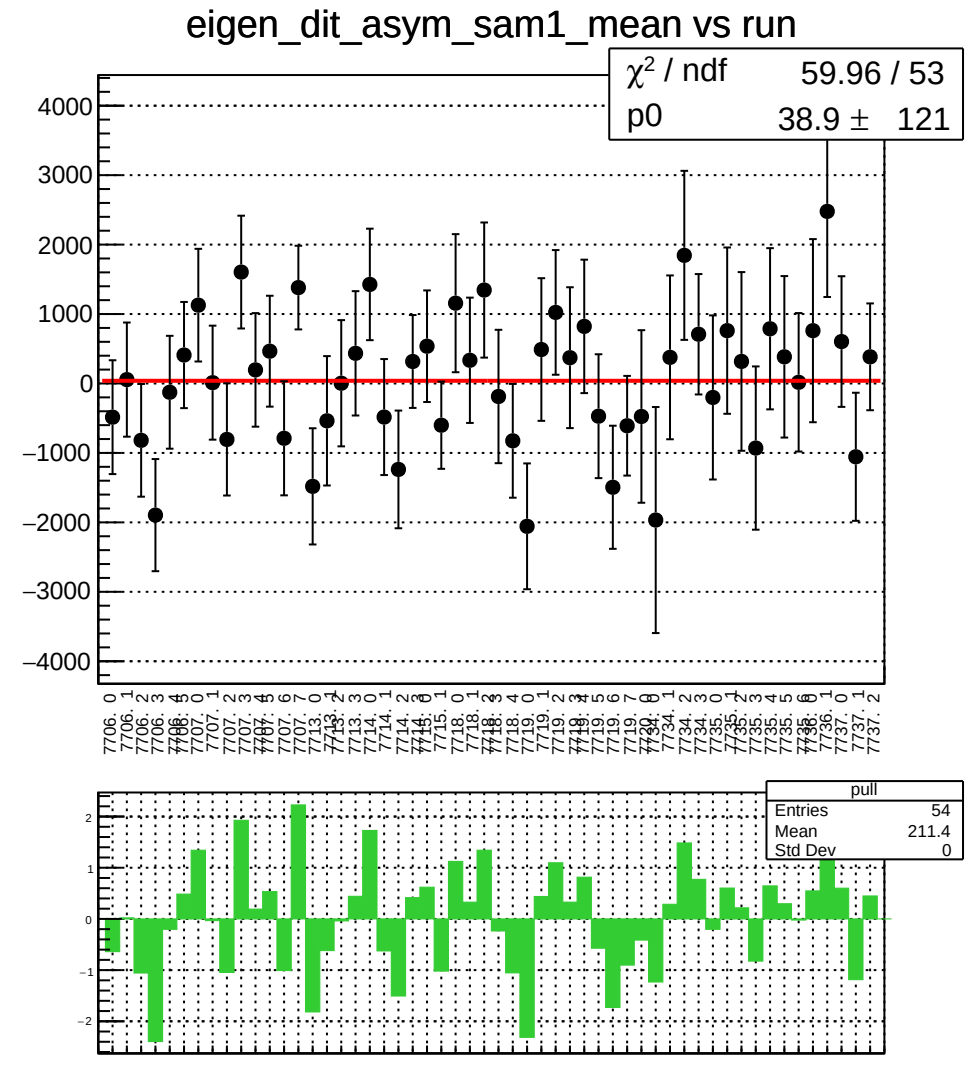

pull1D
Entries 54
Mean 0.0109
Std Dev 1.054

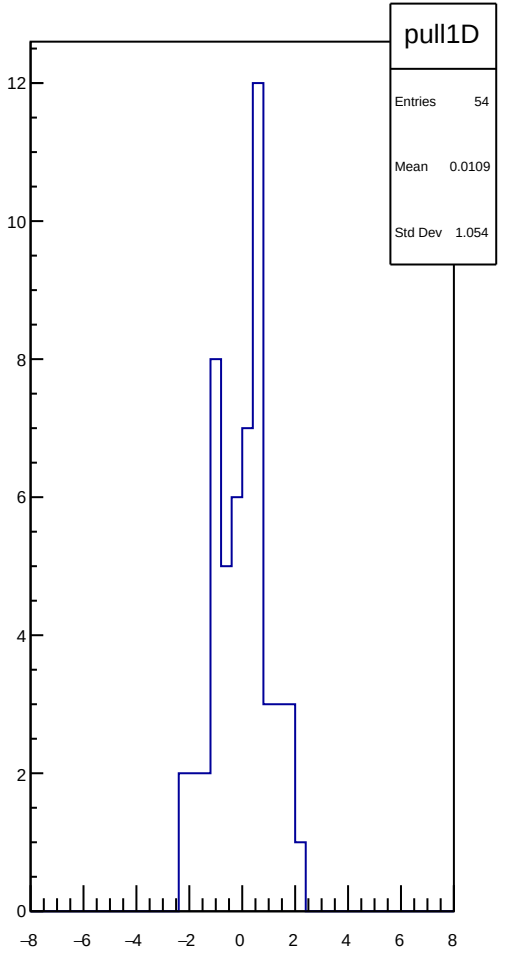

dit_asym_sam1_rms vs run
χ² / ndf 2.591e+04 / 53
p0 87.06 ± 0.08553
160
150
140
130
120
110
100
90
80
70

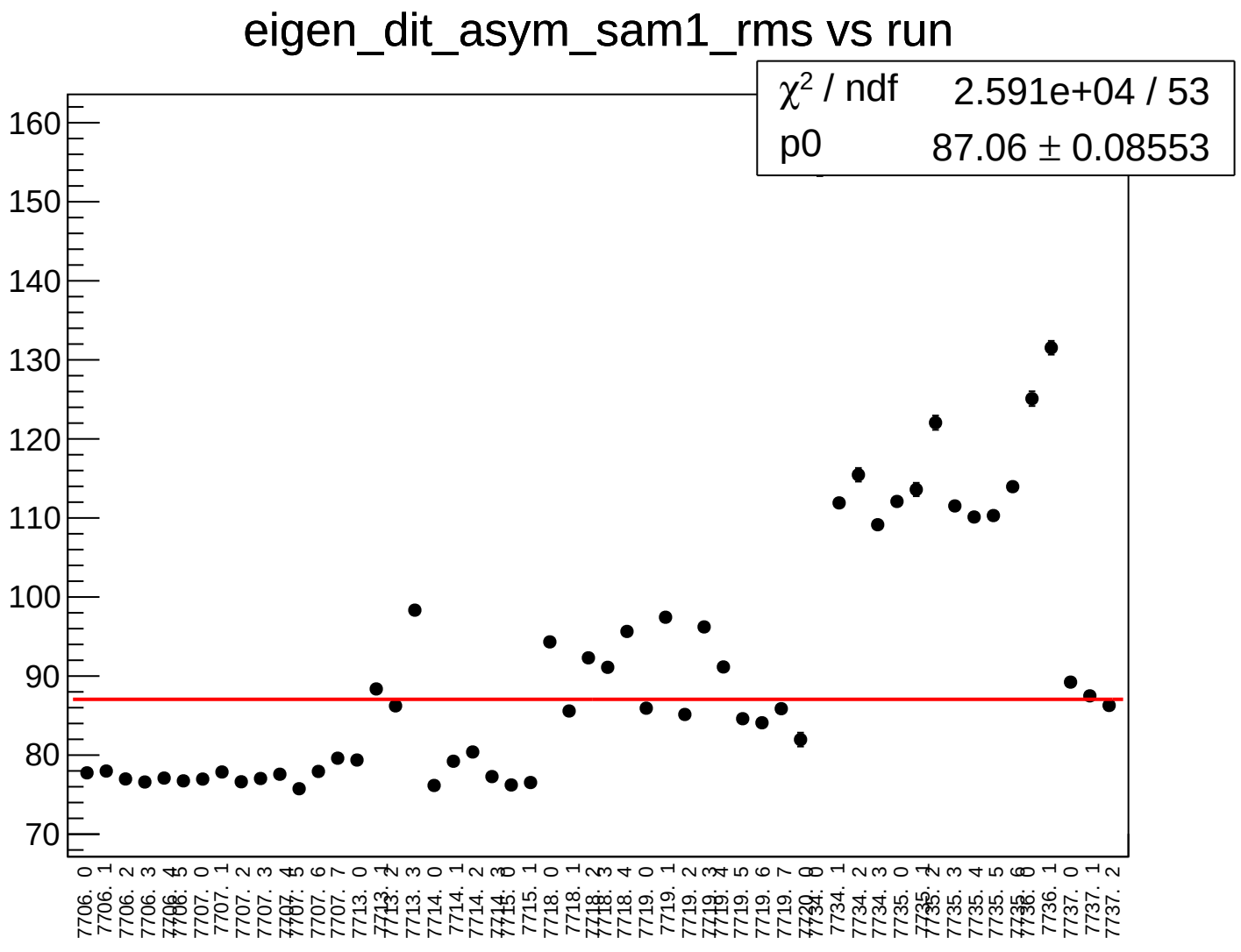

asym_sam1_dit_correction_mean vs run
χ² / ndf 46.61 / 53
p0 62.62 ± 883.3
pull
Entries 54
Mean 193.3
Std Dev 0

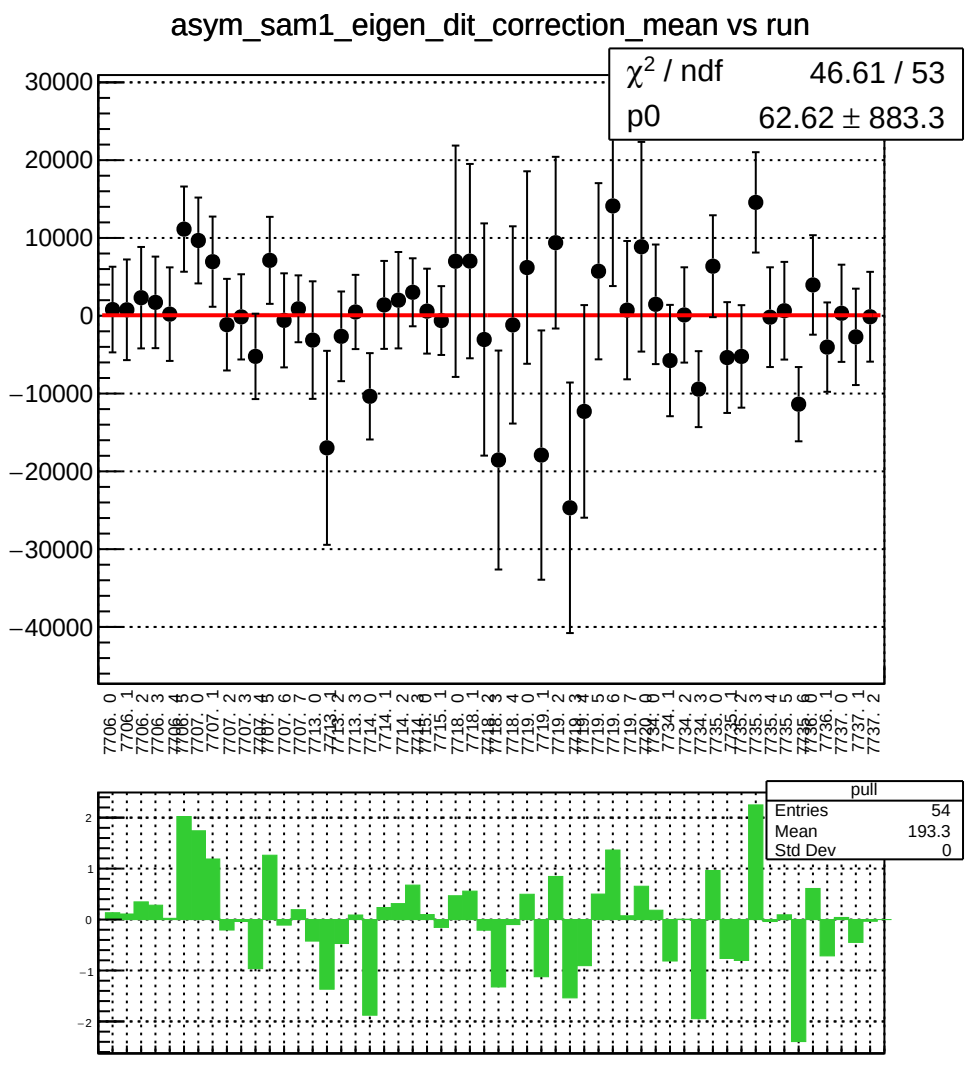

pull1D
Entries 54
Mean −0.01725
Std Dev 0.9289

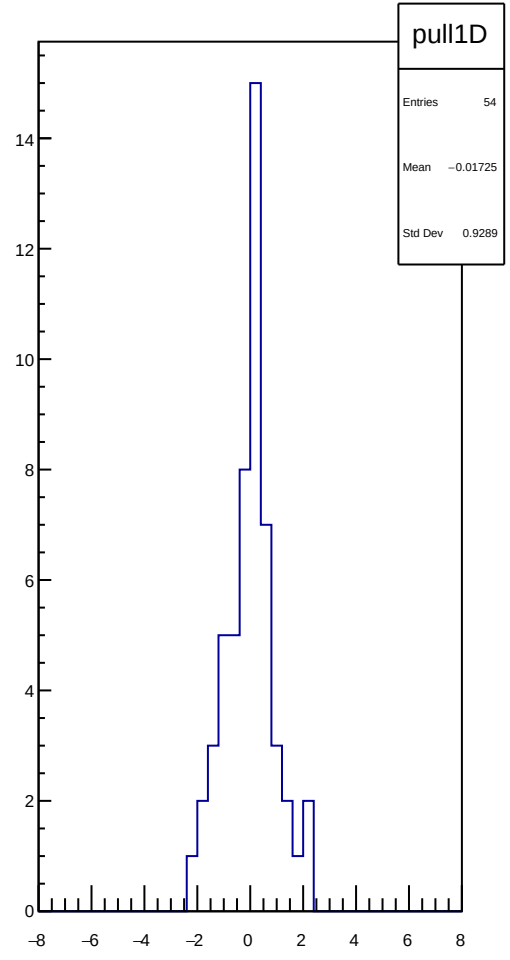

asym_sam1_dit_correction_rms vs run
χ² / ndf 8.122e+04 / 53
p0 618.5 ± 0.6246
1600
1400
1200
1000
800
600
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

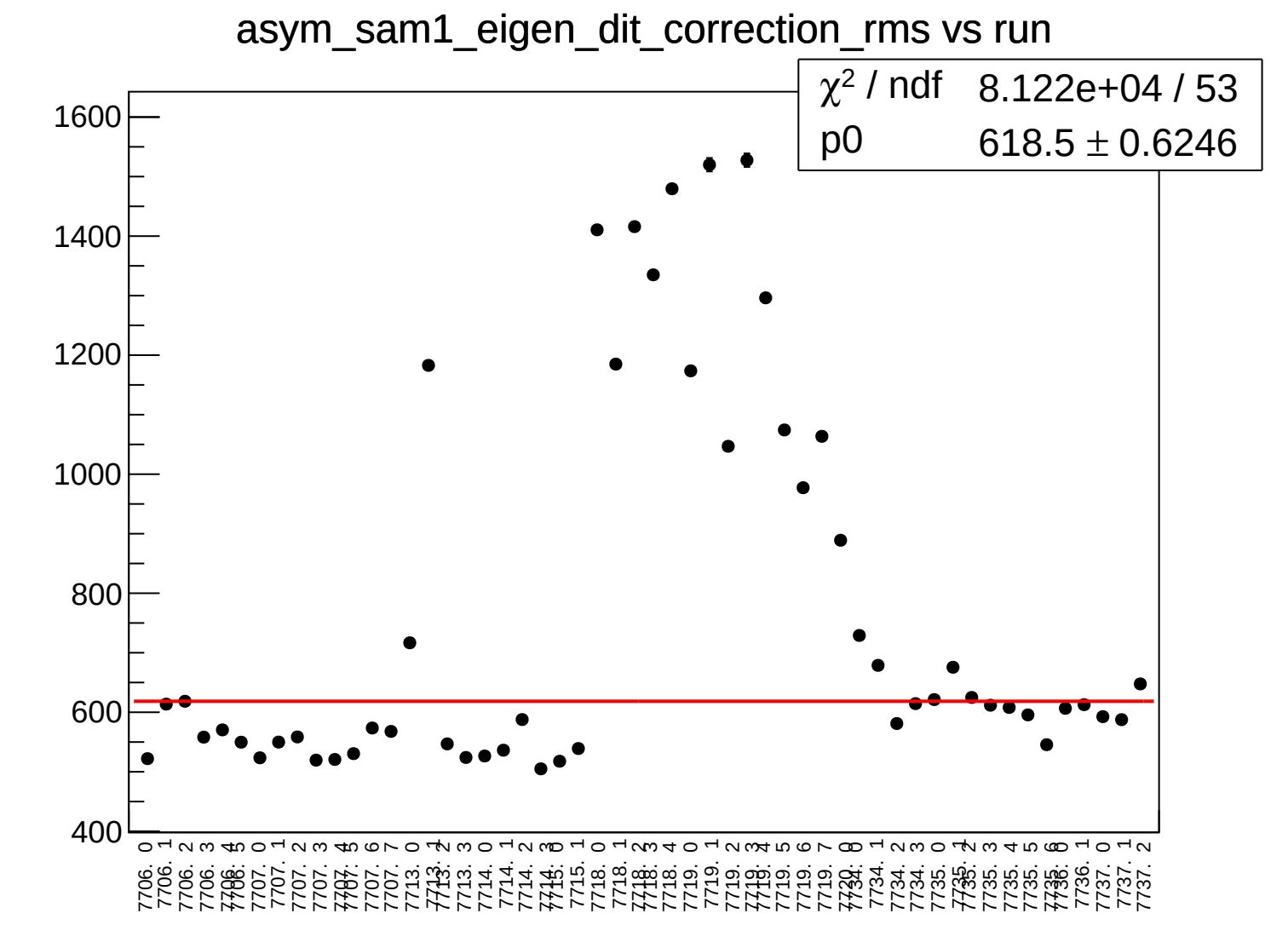

eigen_dit_asym_sam1_mean vs run
χ² / ndf 59.96 / 53
p0 38.9 ± 121
pull
Entries 54
Mean 211.4
Std Dev 0

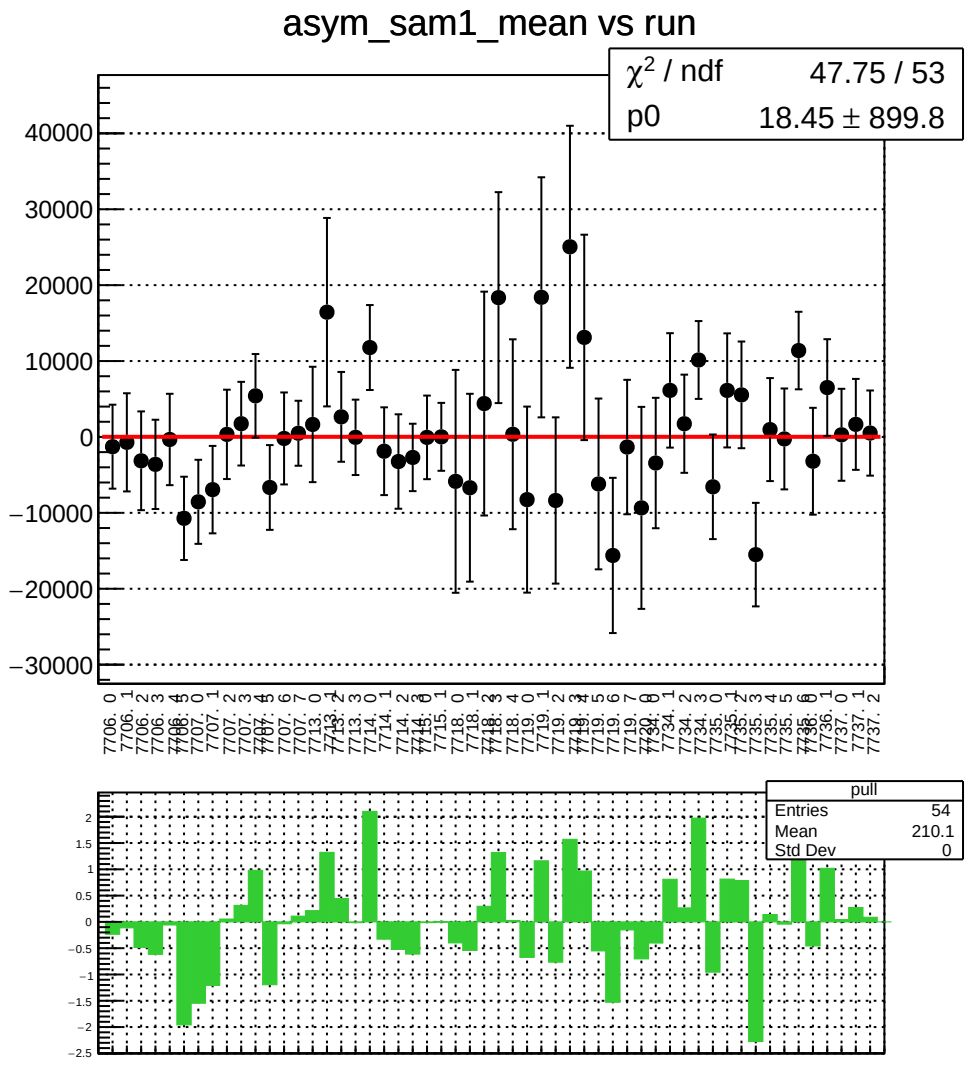

pull1D
Entries 54
Mean 0.0109
Std Dev 1.054

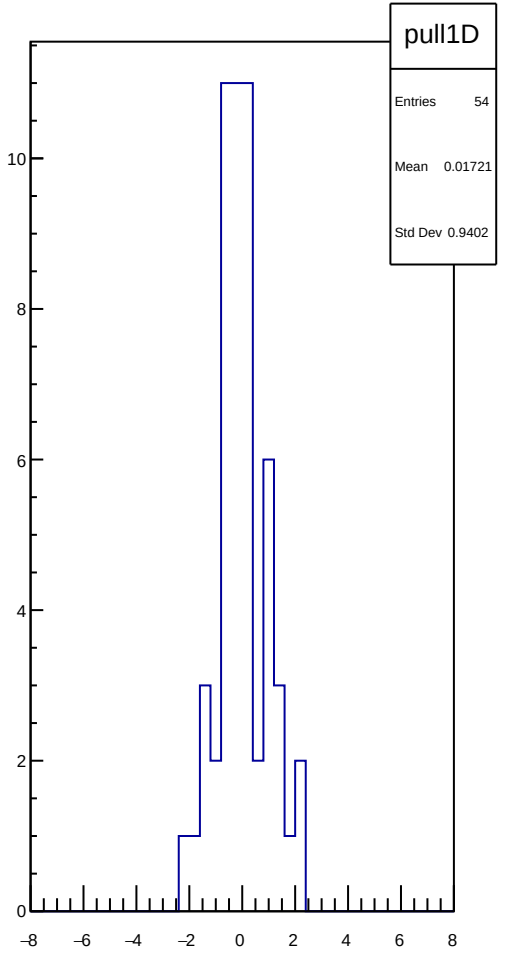

eigen_dit_asym_sam1_rms vs run
χ² / ndf 2.591e+04 / 53
p0 87.06 ± 0.08553
160
150
140
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

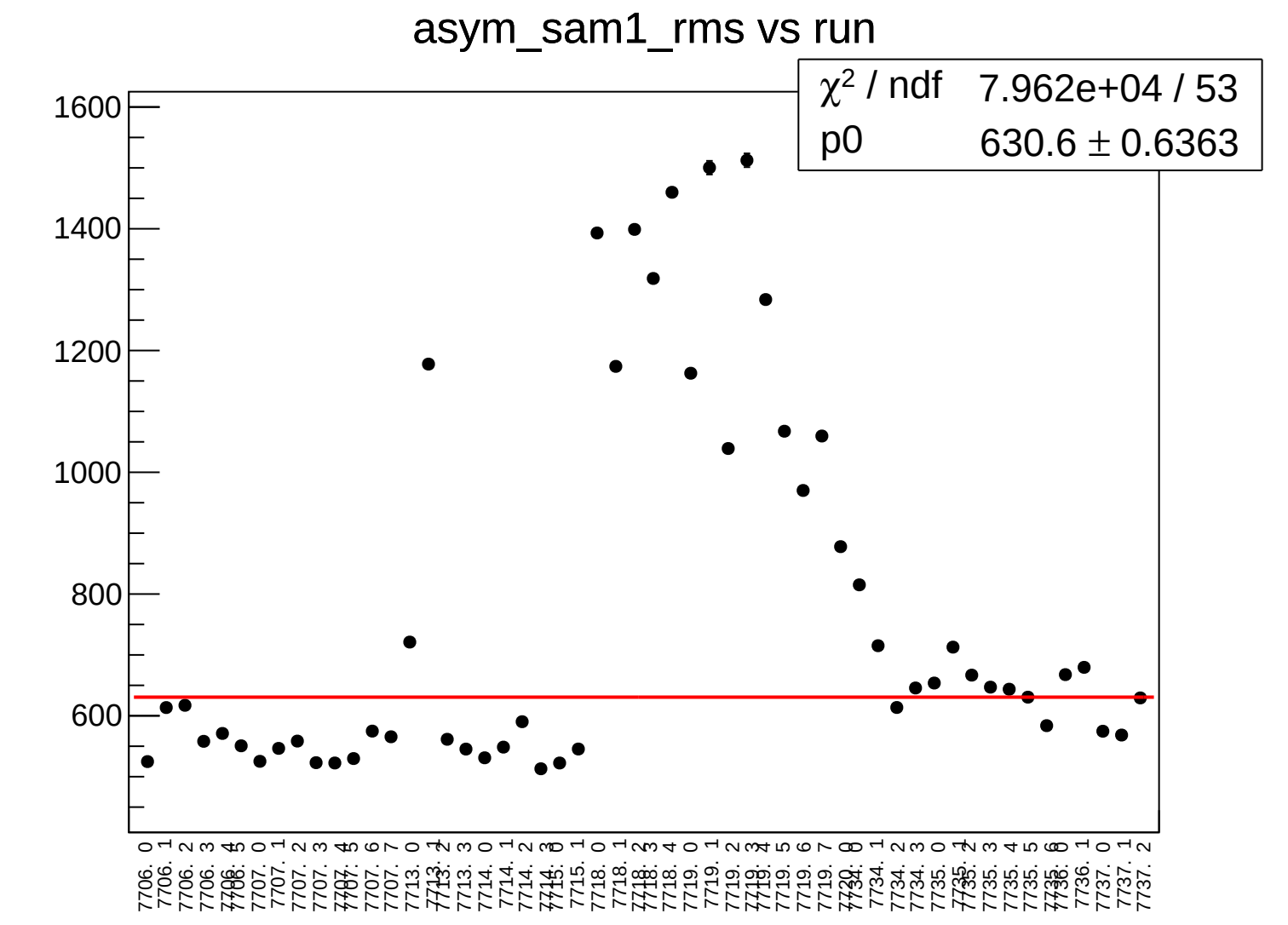

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 46.61 / 53
p0 62.62 ± 883.3
pull
Entries 54
Mean 193.3
Std Dev 0

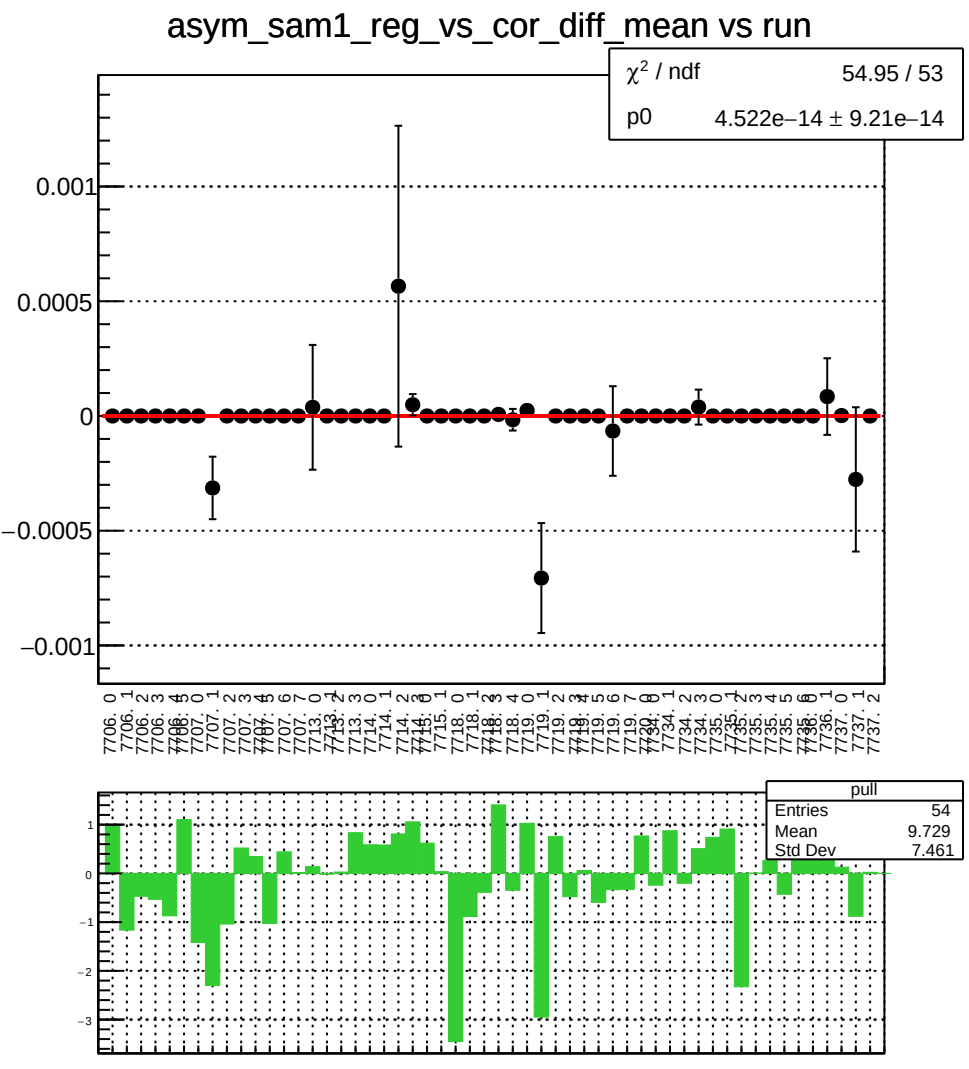

pull1D
Entries 54
Mean −0.01725
Std Dev 0.9289

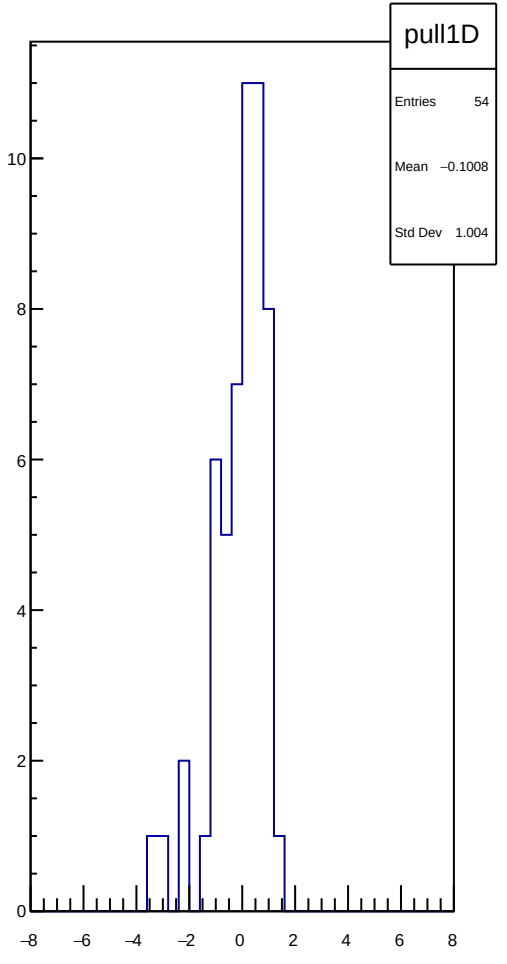

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 8.122e+04 / 53
p0 618.5 ± 0.6246
1600
1400
1200
1000
800
600
400

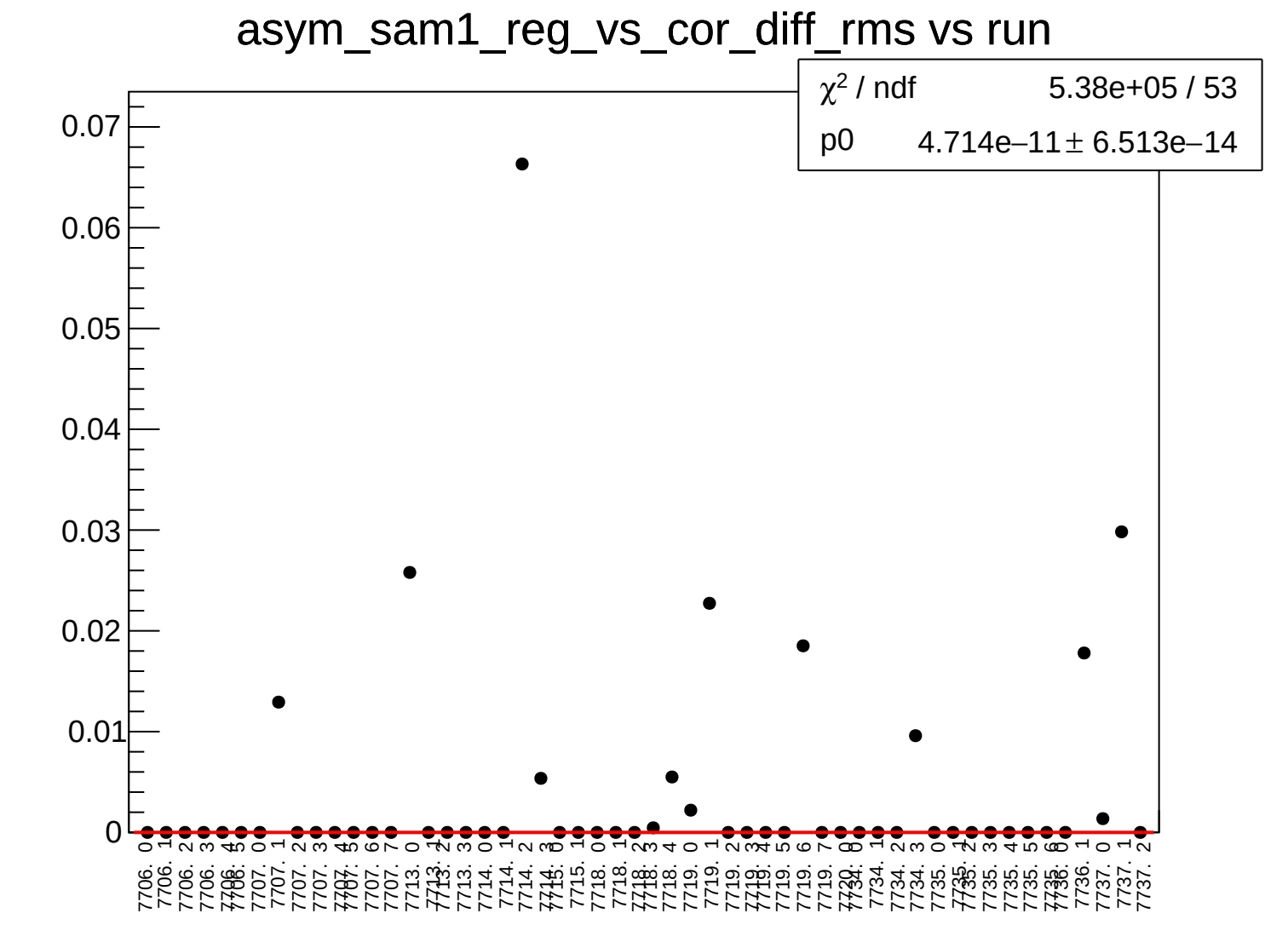

asym_sam1_mean vs run
χ² / ndf 47.75 / 53
p0 18.45 ± 899.8
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 210.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

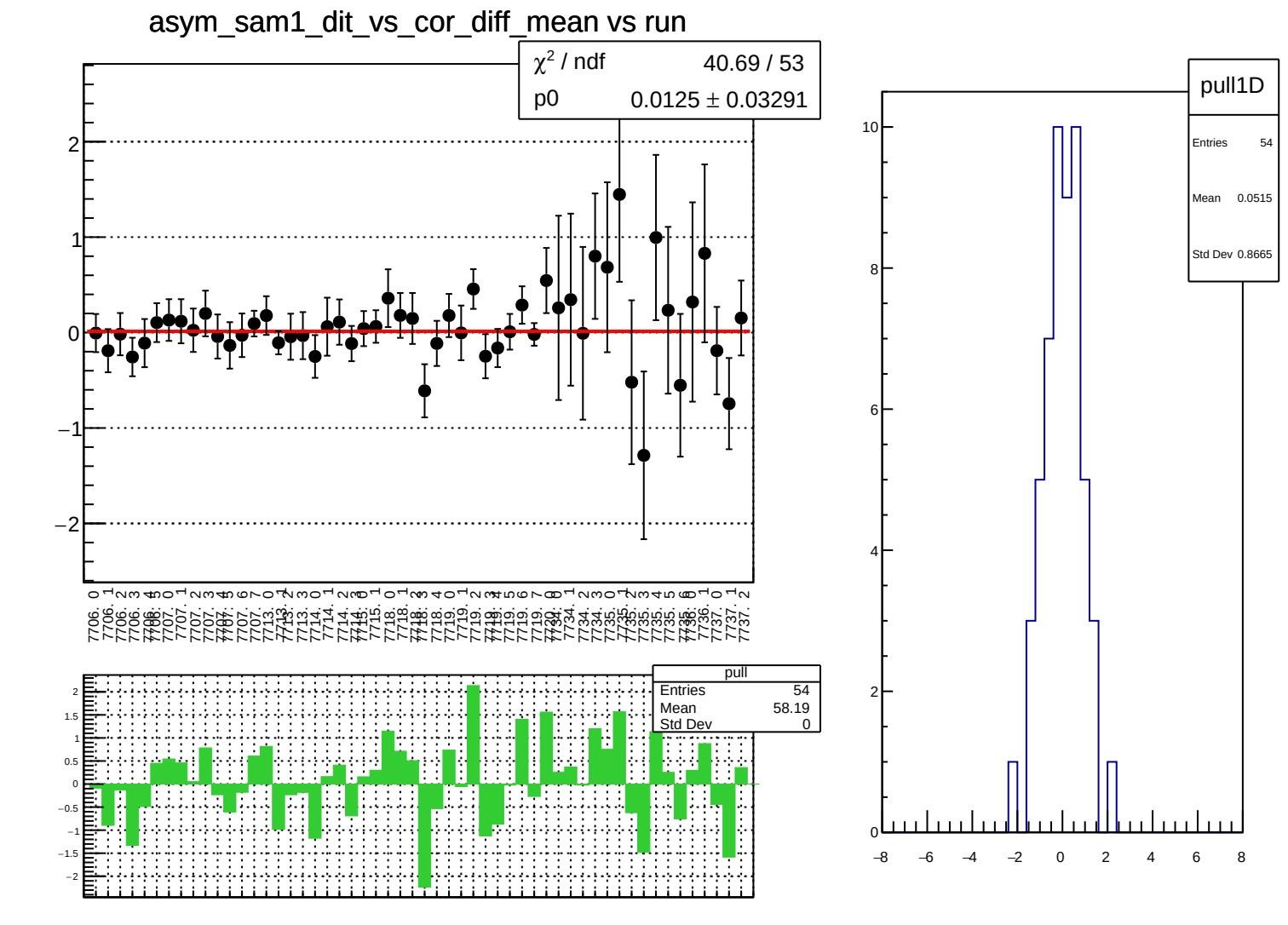

pull1D
Entries 54
Mean 0.01721
Std Dev 0.9402
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

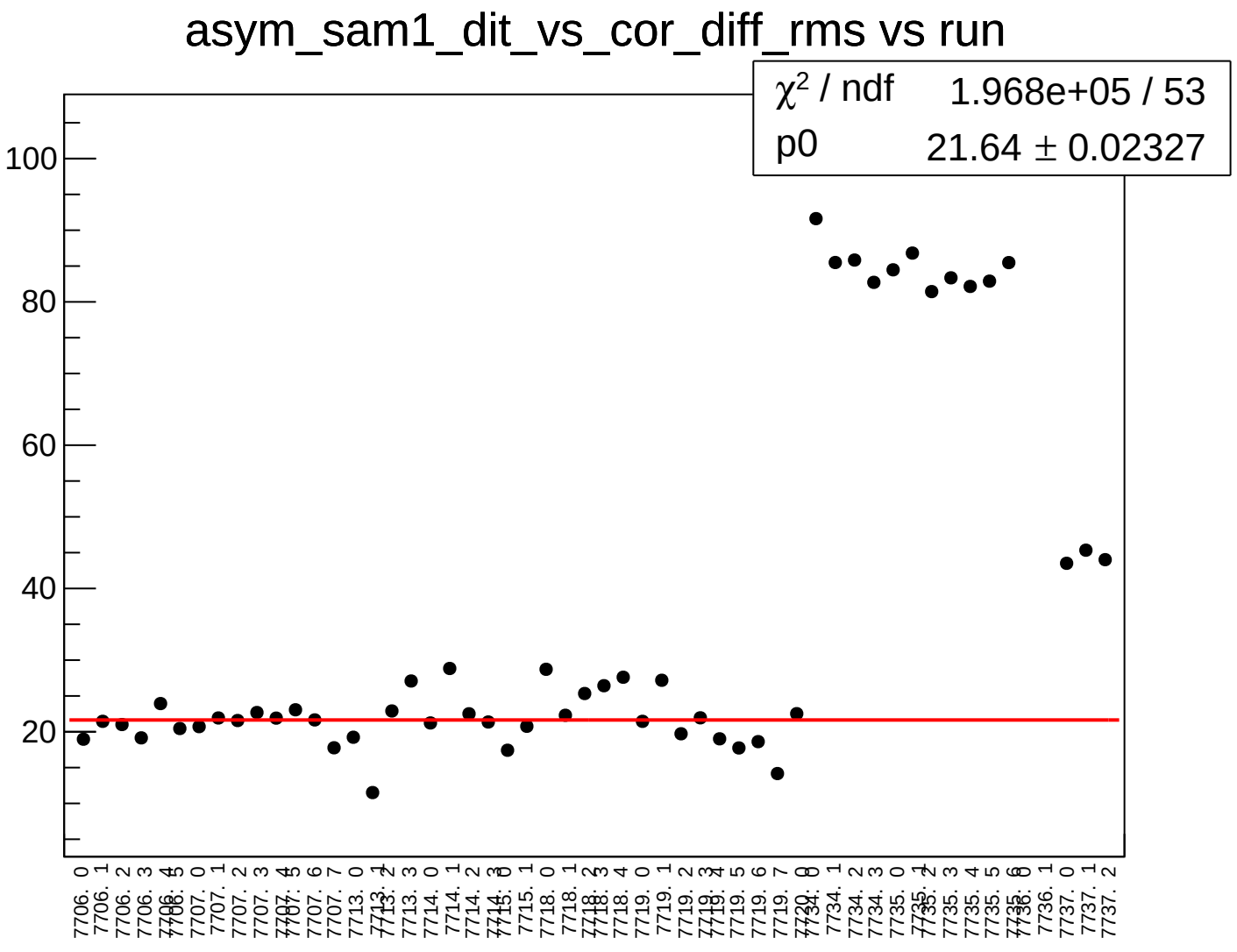

asym_sam1_rms vs run
χ² / ndf 7.962e+04 / 53
p0 630.6 ± 0.6363
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

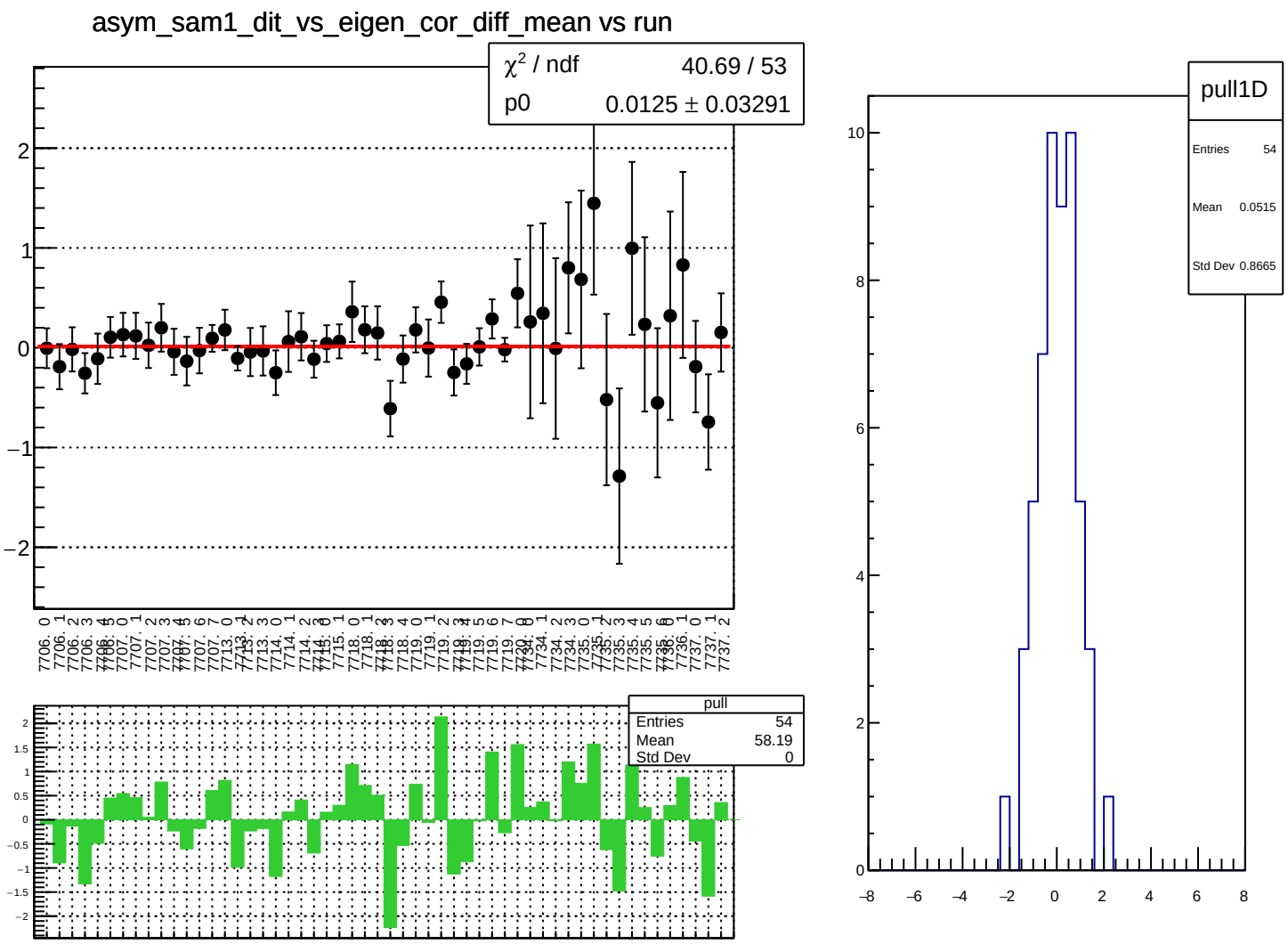

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 53
p0 4.522e−14 ± 9.21e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 9.729
Std Dev 7.461

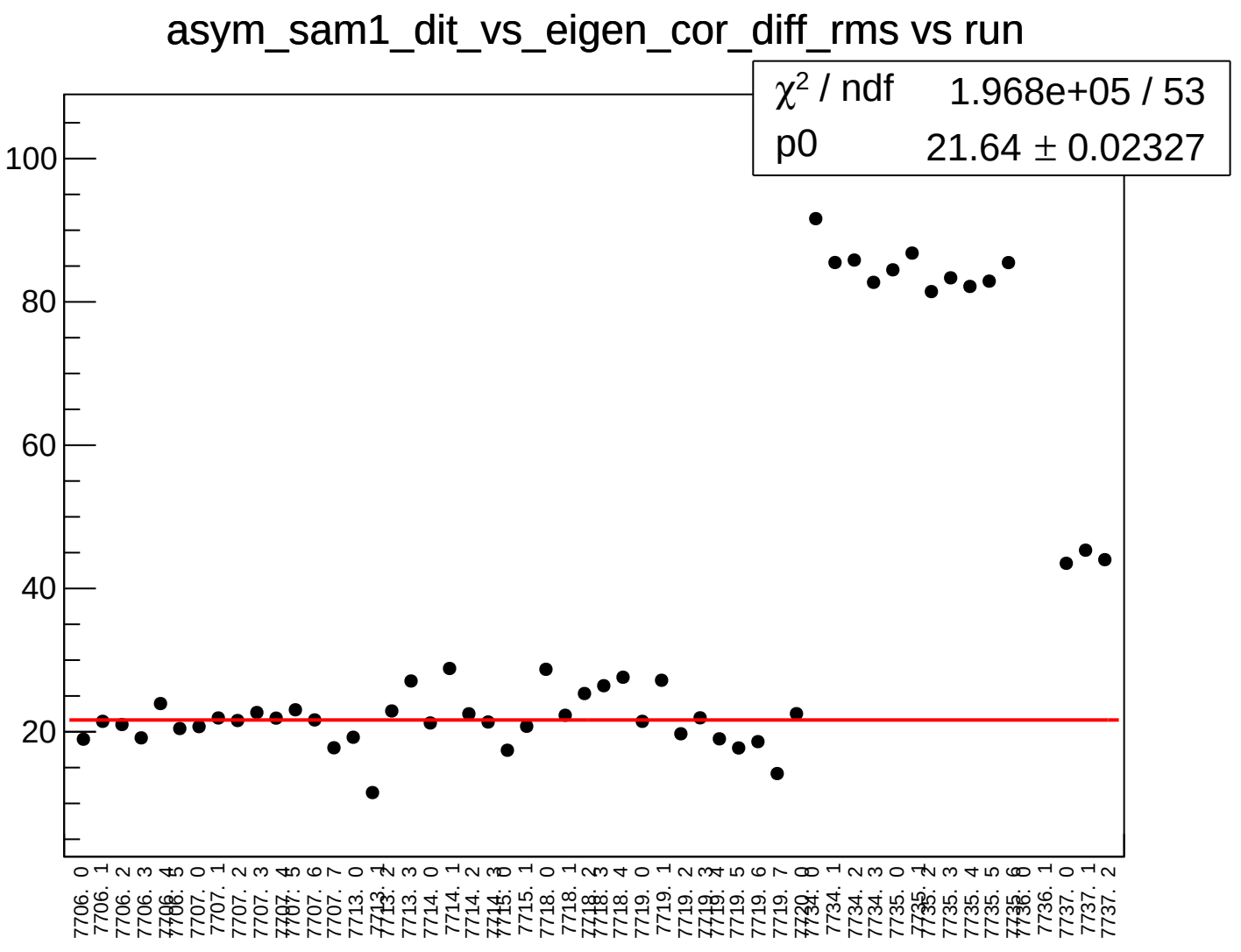

pull1D
Entries 54
Mean −0.1008
Std Dev 1.004

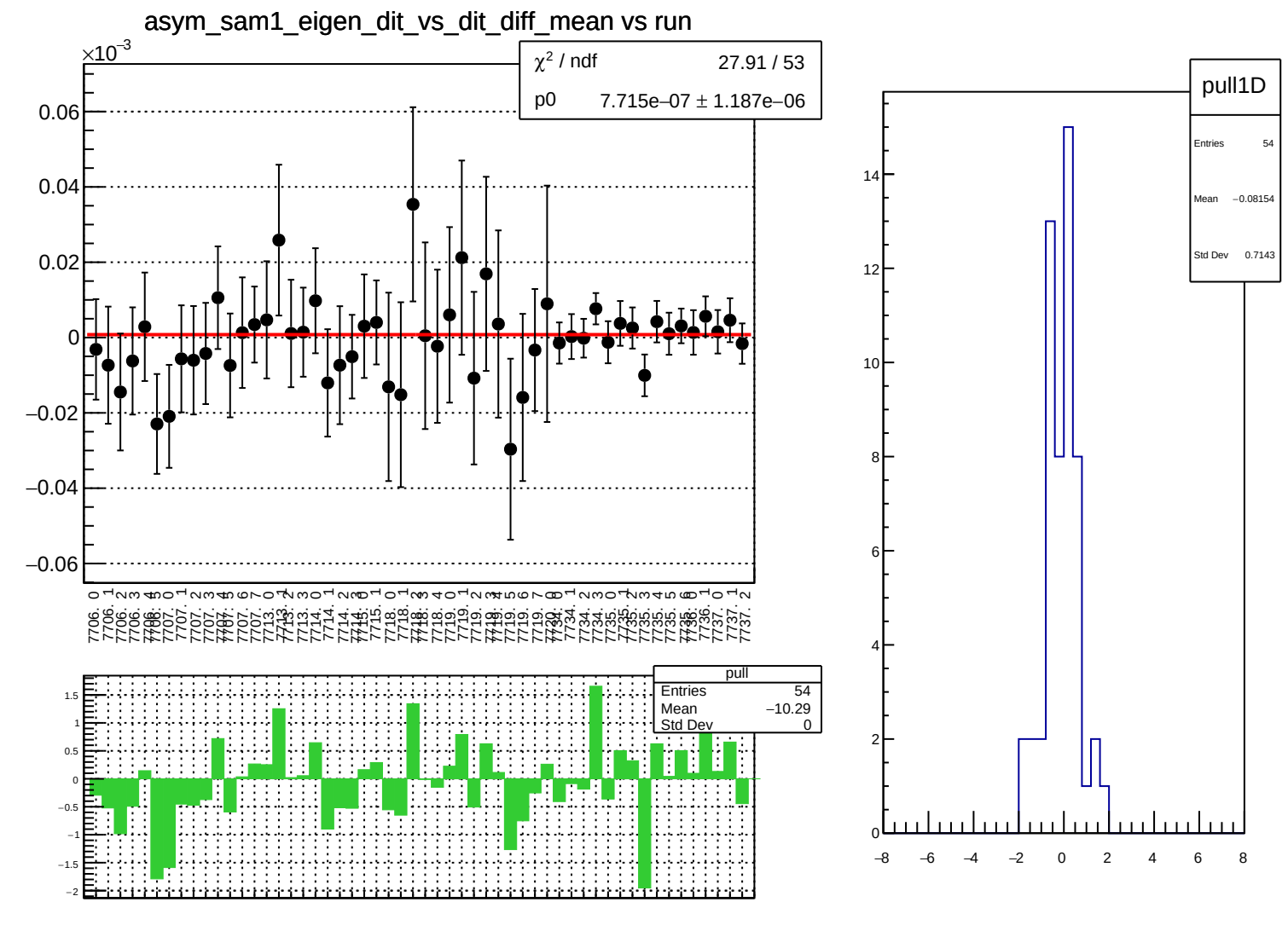

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.38e+05 / 53
p0 4.714e−11 ± 6.513e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

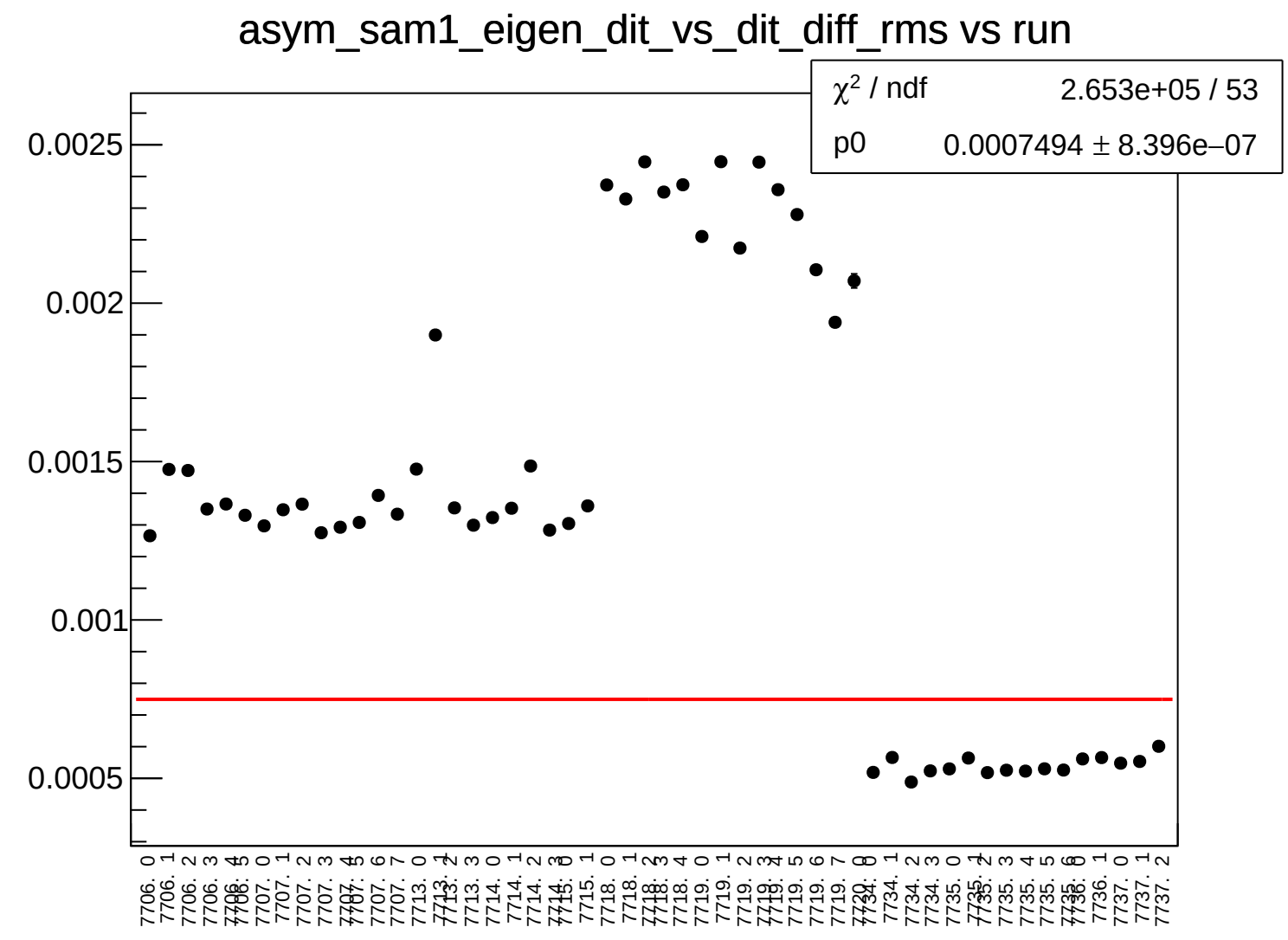

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 40.69 / 53
p0 0.0125 ± 0.03291
pull
Entries 54
Mean 58.19
Std Dev 0
pull1D
Entries 54
Mean 0.0515
Std Dev 0.8665

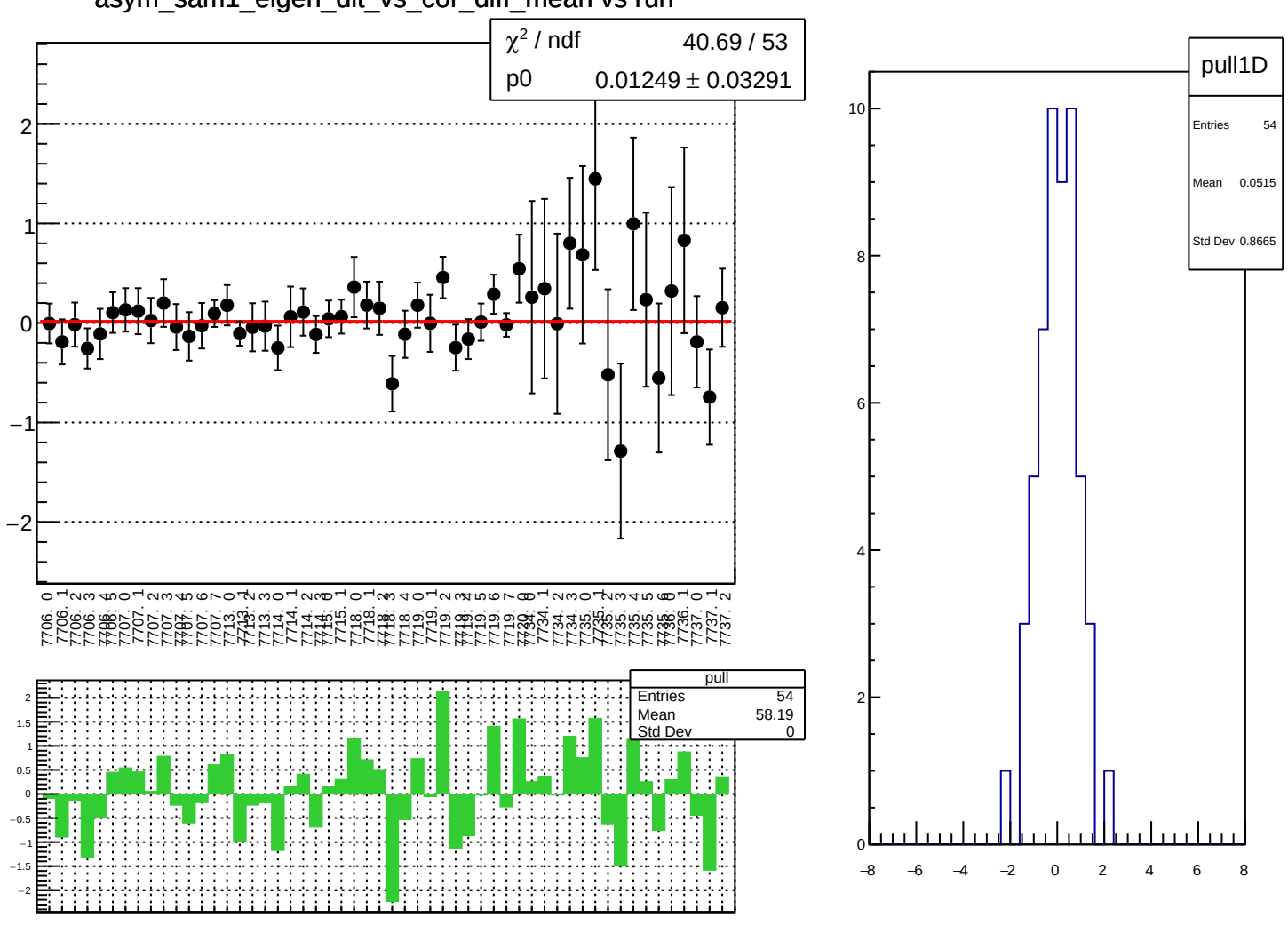

asym_sam1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.968e+05 / 53
p0 21.64 ± 0.02327
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

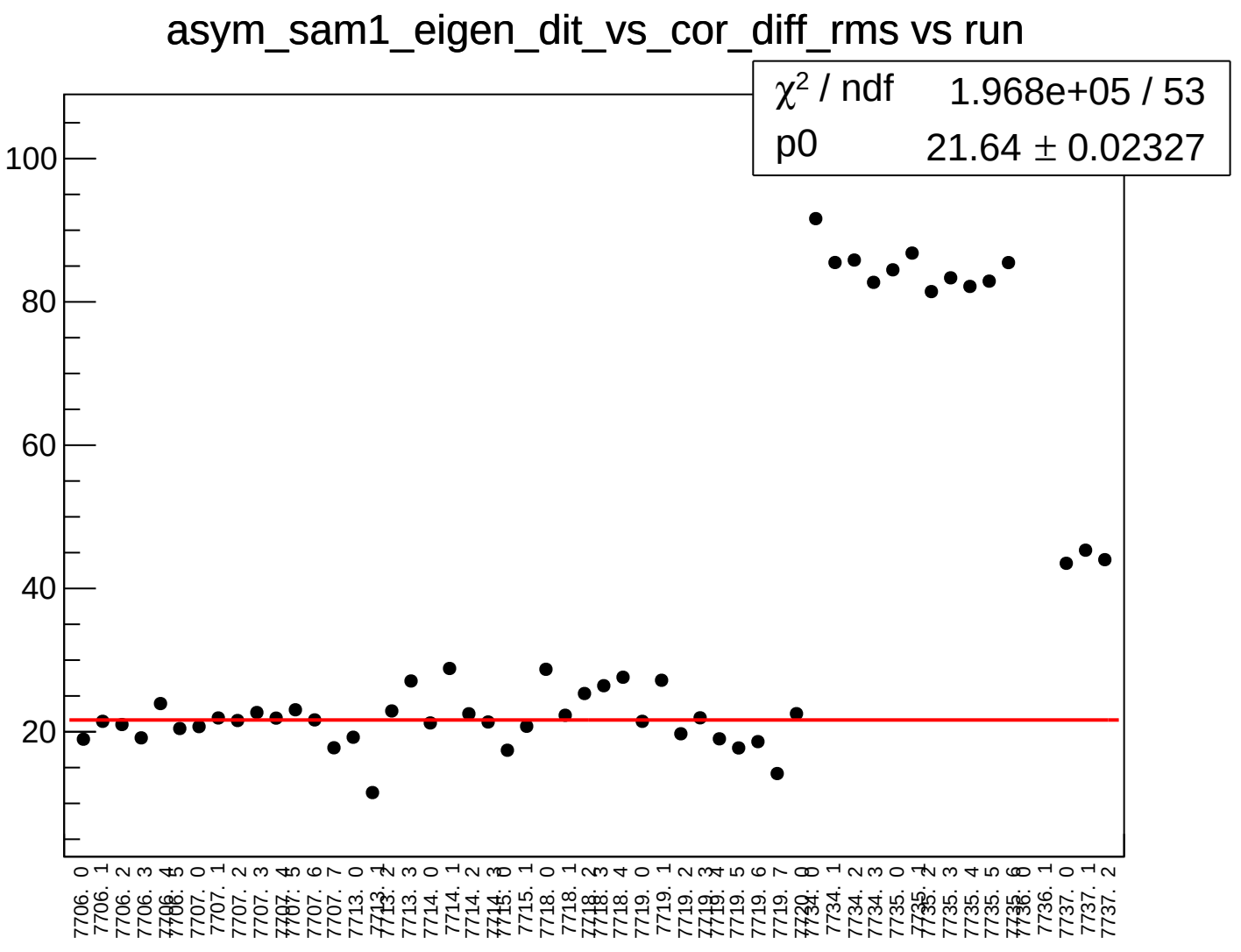

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.69 / 53
p0 0.0125 ± 0.03291
pull
Entries 54
Mean 58.19
Std Dev 0
pull1D
Entries 54
Mean 0.0515
Std Dev 0.8665

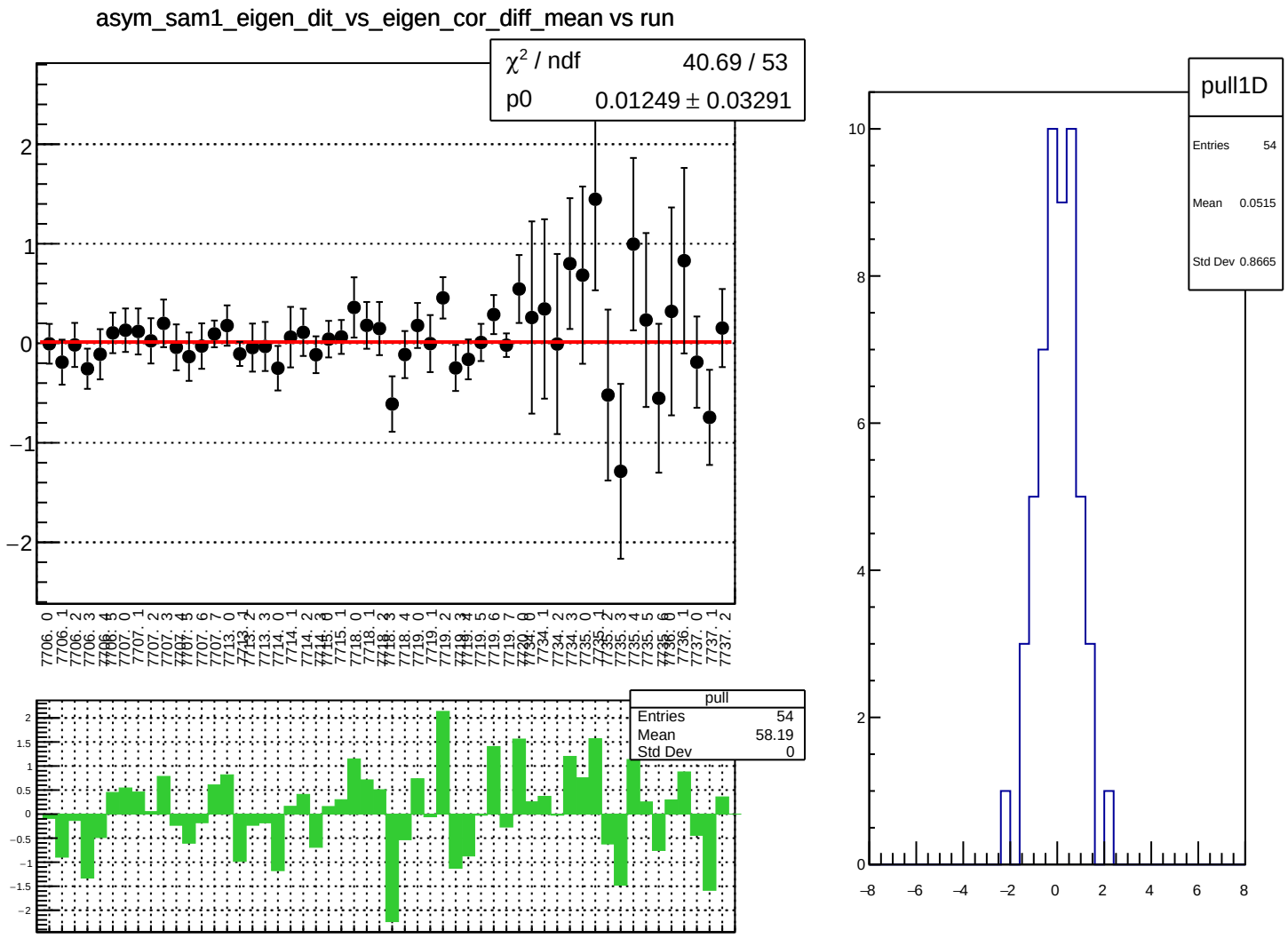

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.968e+05 / 53
p0 21.64 ± 0.02327
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

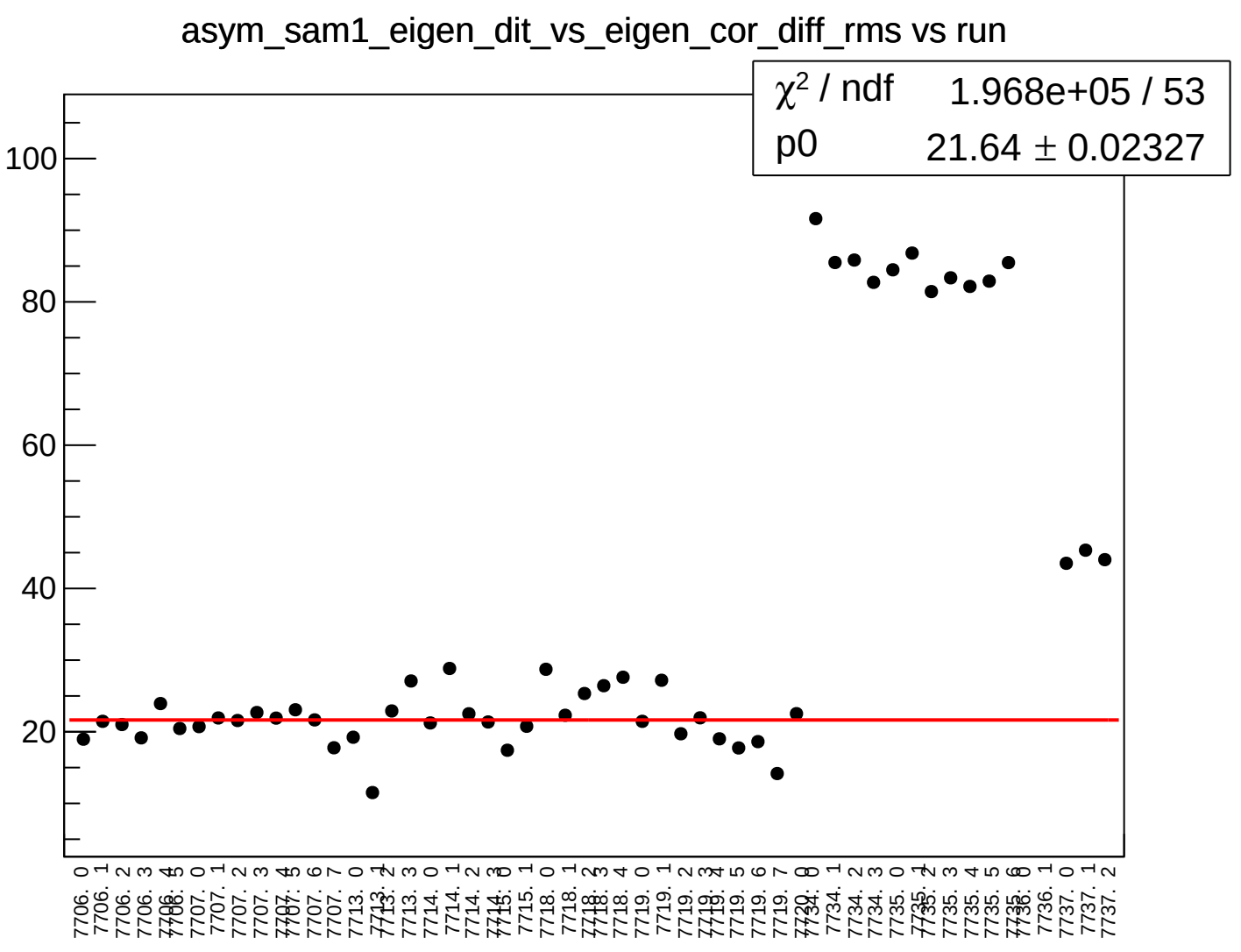

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.91 / 53
p0 7.715e−07 ± 1.187e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean −10.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.08154
Std Dev 0.7143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

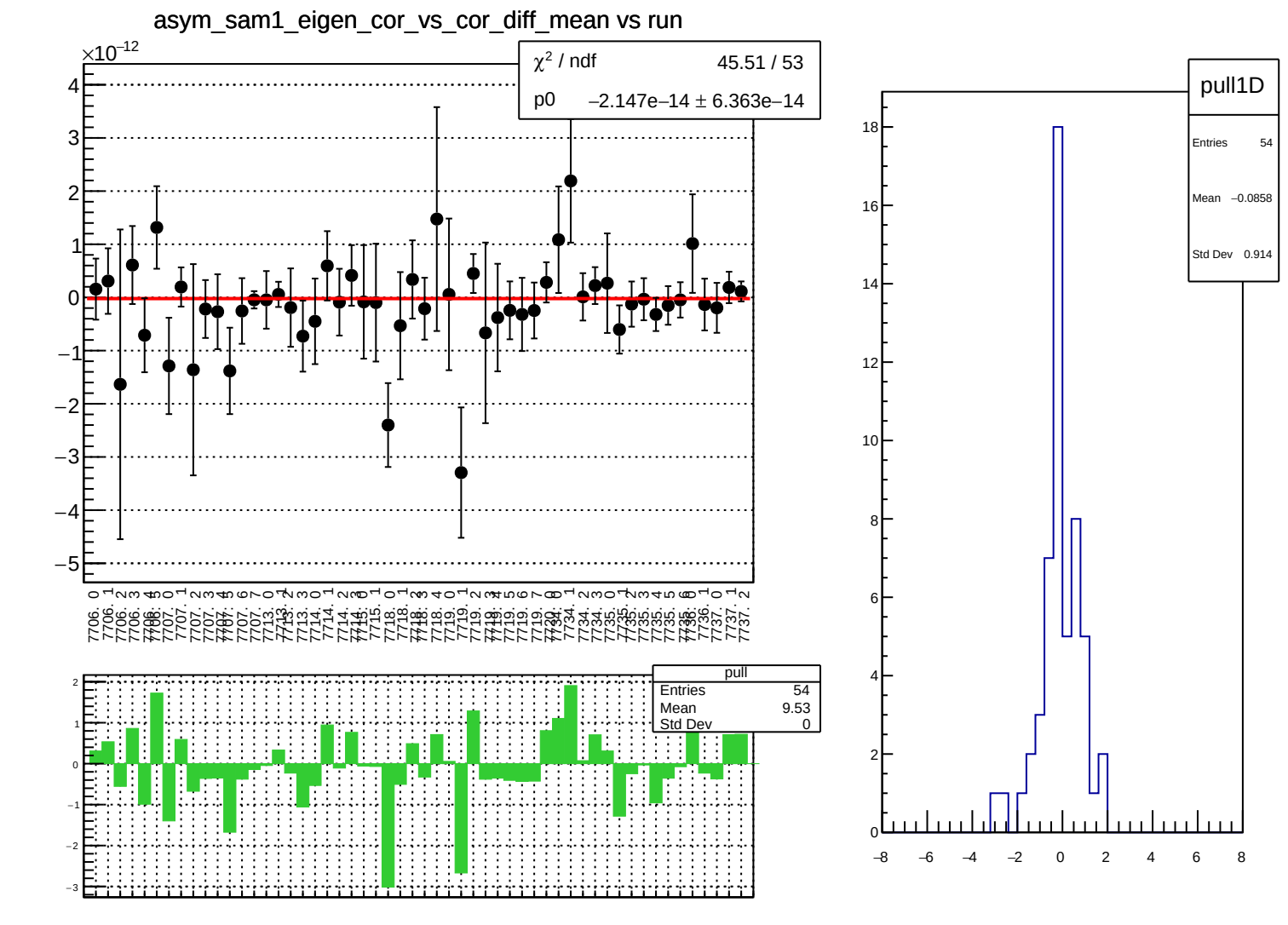

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.653e+05 / 53
p0 0.0007494 ± 8.396e−07
0.0025
0.002
0.0015
0.001
0.0005

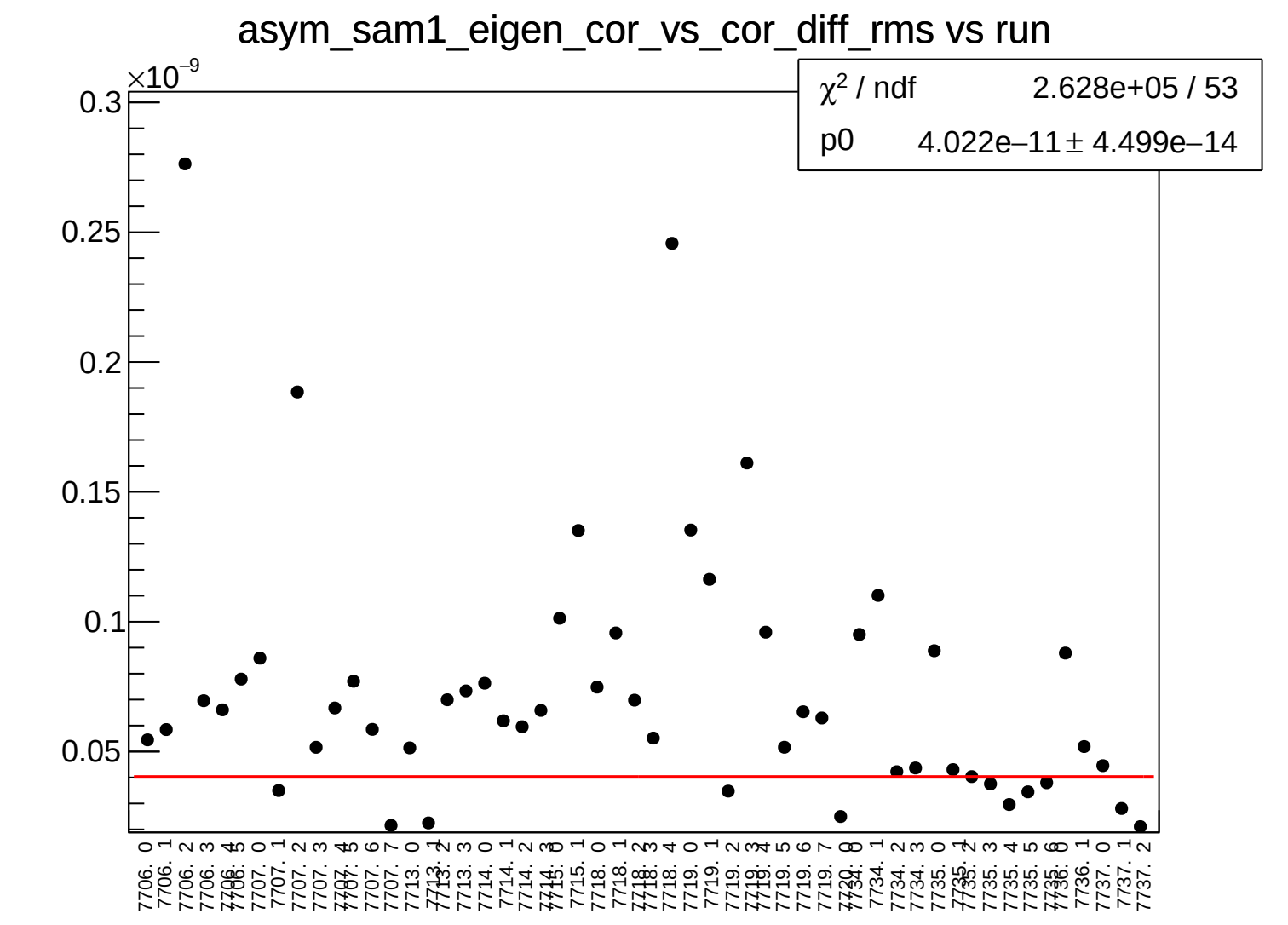

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.69 / 53
p0 0.01249 ± 0.03291
pull
Entries 54
Mean 58.19
Std Dev 0
pull1D
Entries 54
Mean 0.0515
Std Dev 0.8665

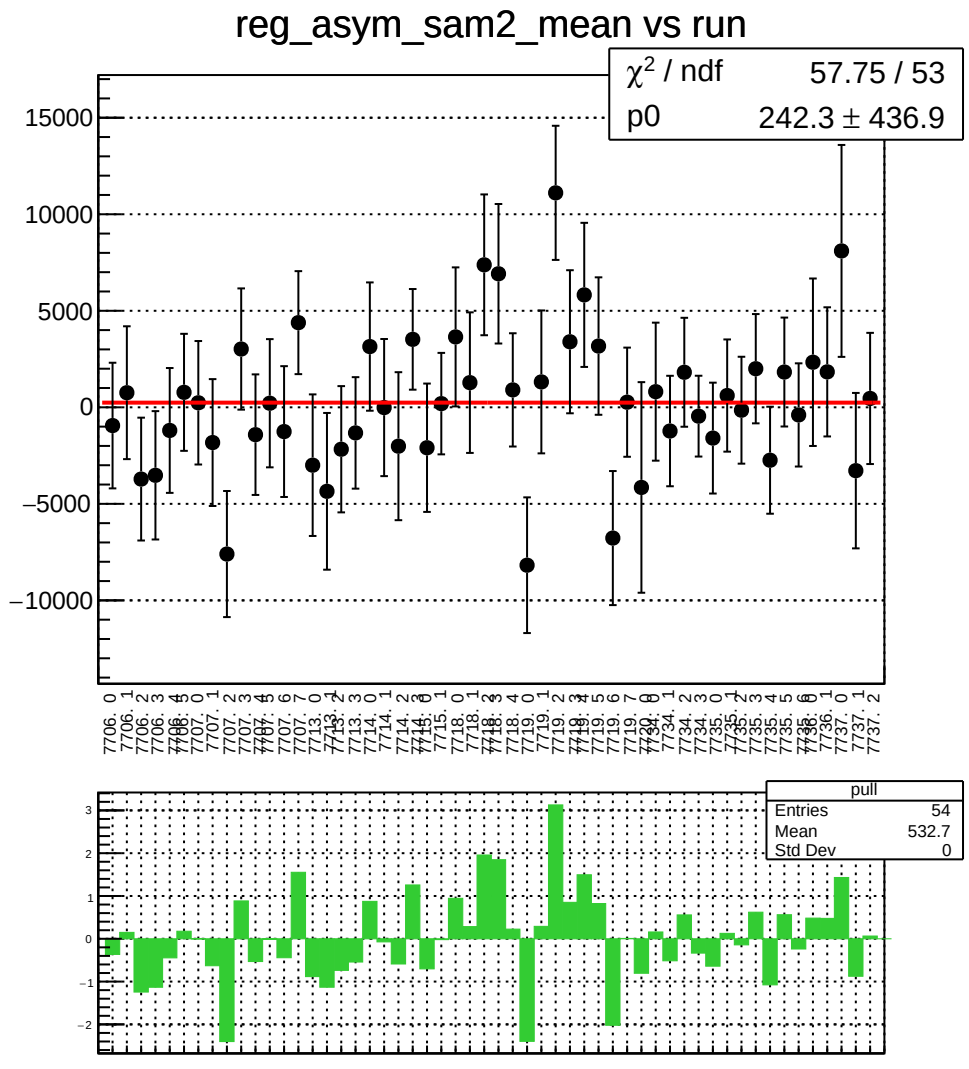

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.968e+05 / 53
p0 21.64 ± 0.02327
100
80
60
40
20

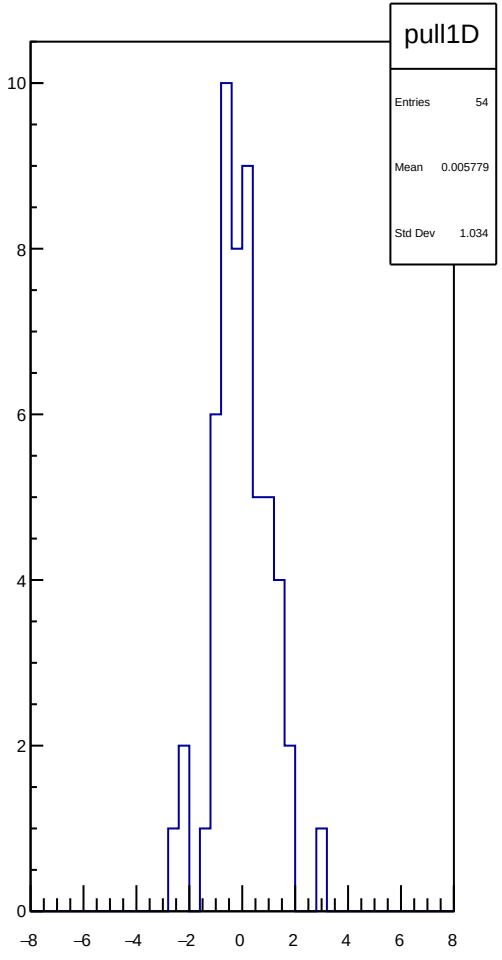

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.69 / 53
p0 0.01249 ± 0.03291
pull
Entries 54
Mean 58.19
Std Dev 0
pull1D
Entries 54
Mean 0.0515
Std Dev 0.8665

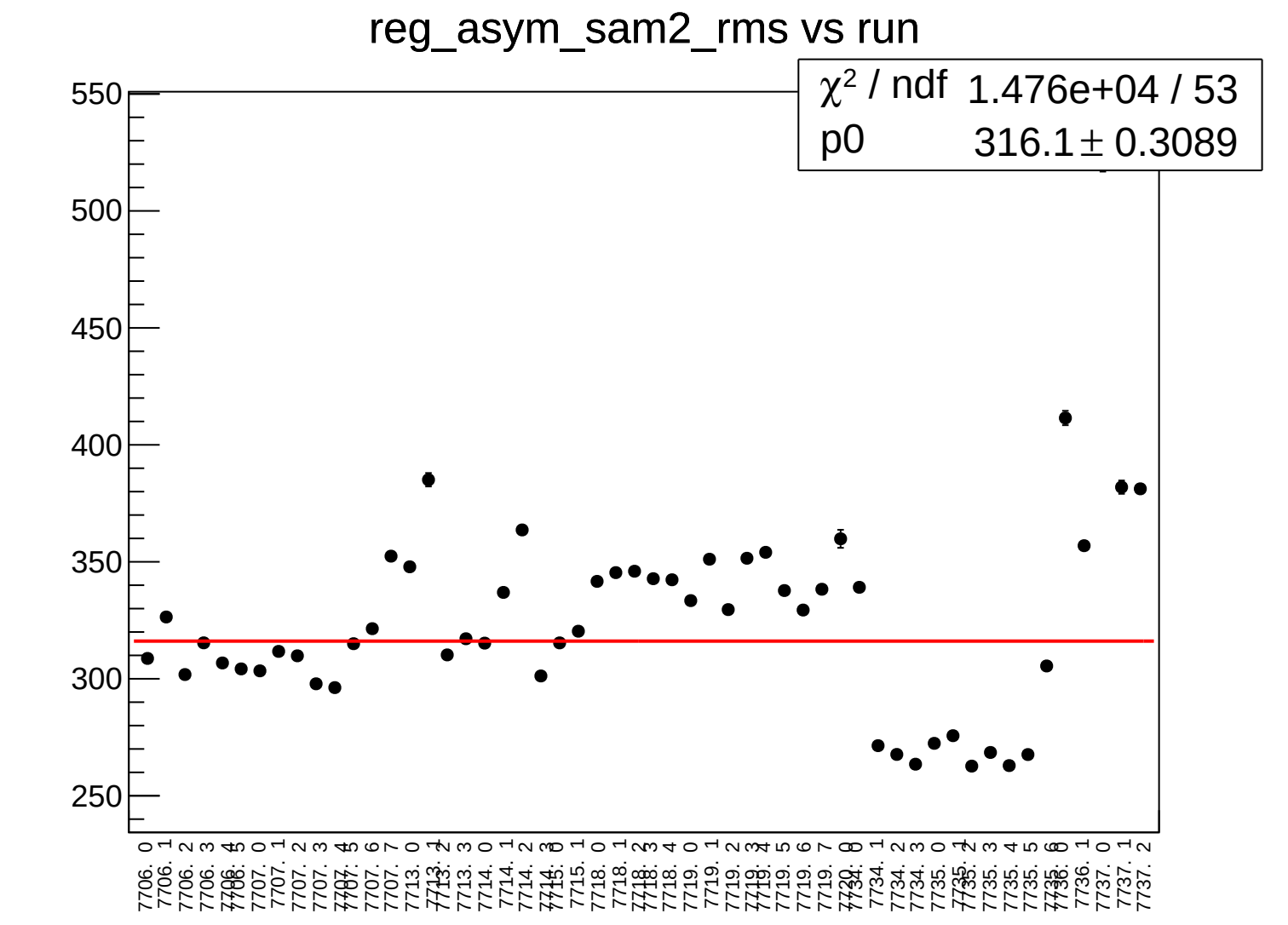

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.968e+05 / 53
p0 21.64 ± 0.02327
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 3
7714. 0
7714. 1
7714. 2
7715. 1
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

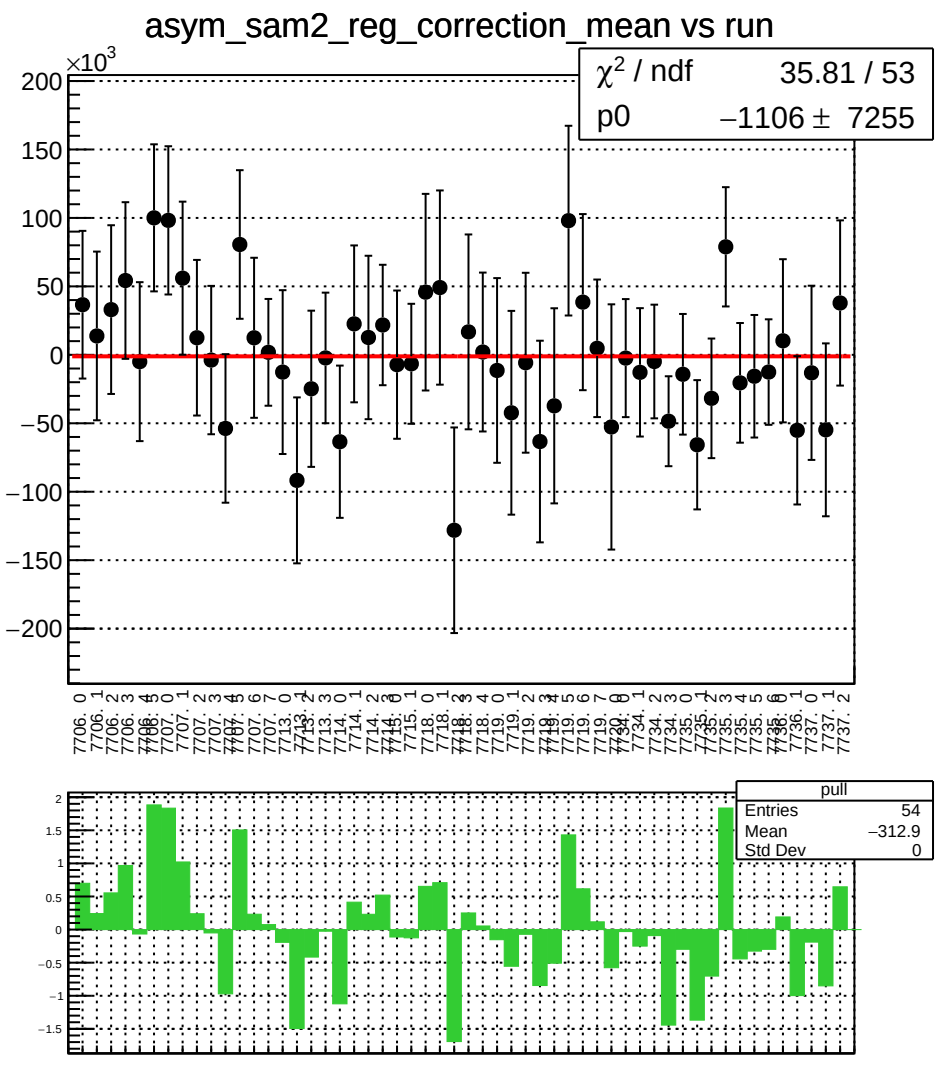

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.51 / 53
p0 −2.147e−14 ± 6.363e−14
pull
Entries 54
Mean 9.53
Std Dev 0
pull1D
Entries 54
Mean −0.0858
Std Dev 0.914

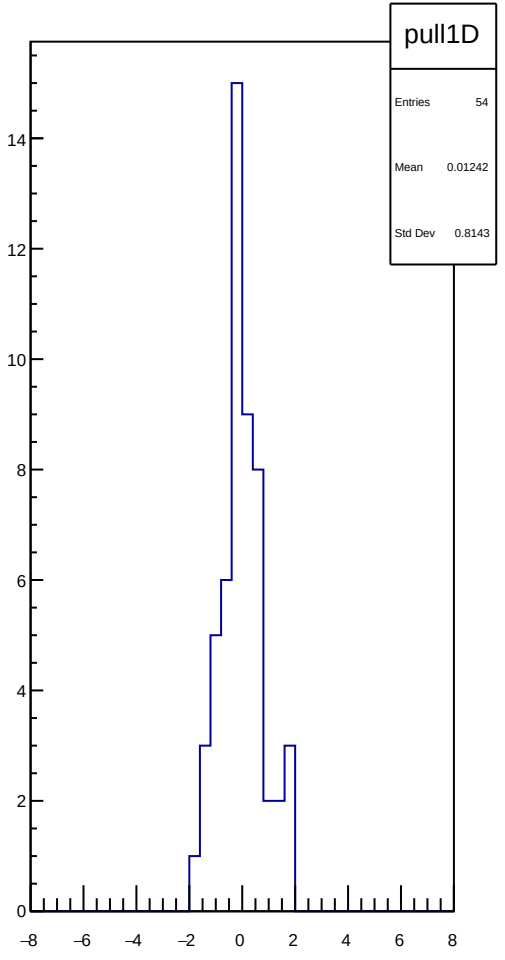

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 2.628e+05 / 53
p0 4.022e−11 ± 4.499e−14
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

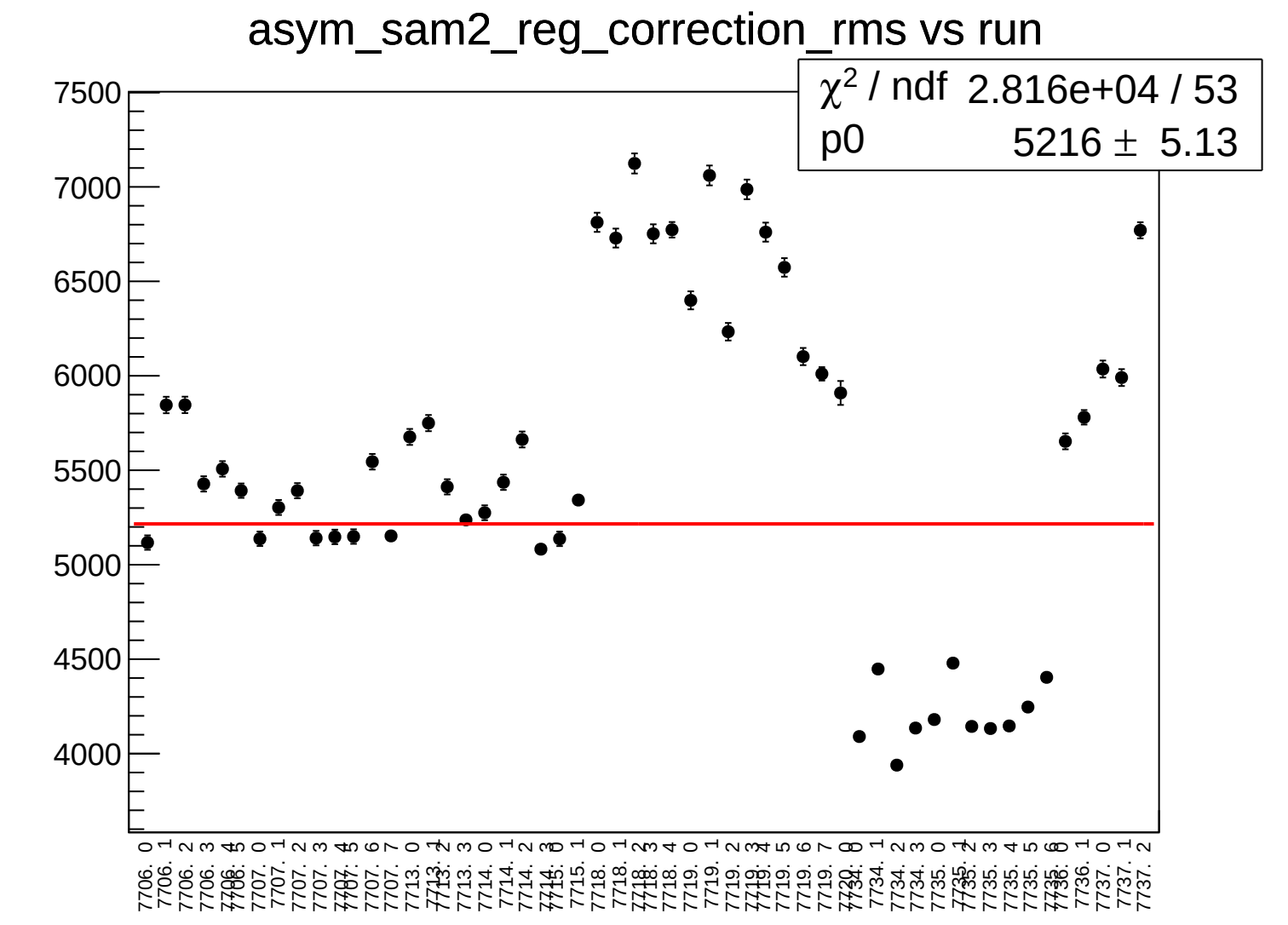

reg_asym_sam2_mean vs run
χ² / ndf 57.75 / 53
p0 242.3 ± 436.9
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 532.7
Std Dev 0
3
2
1
0
−1
−2

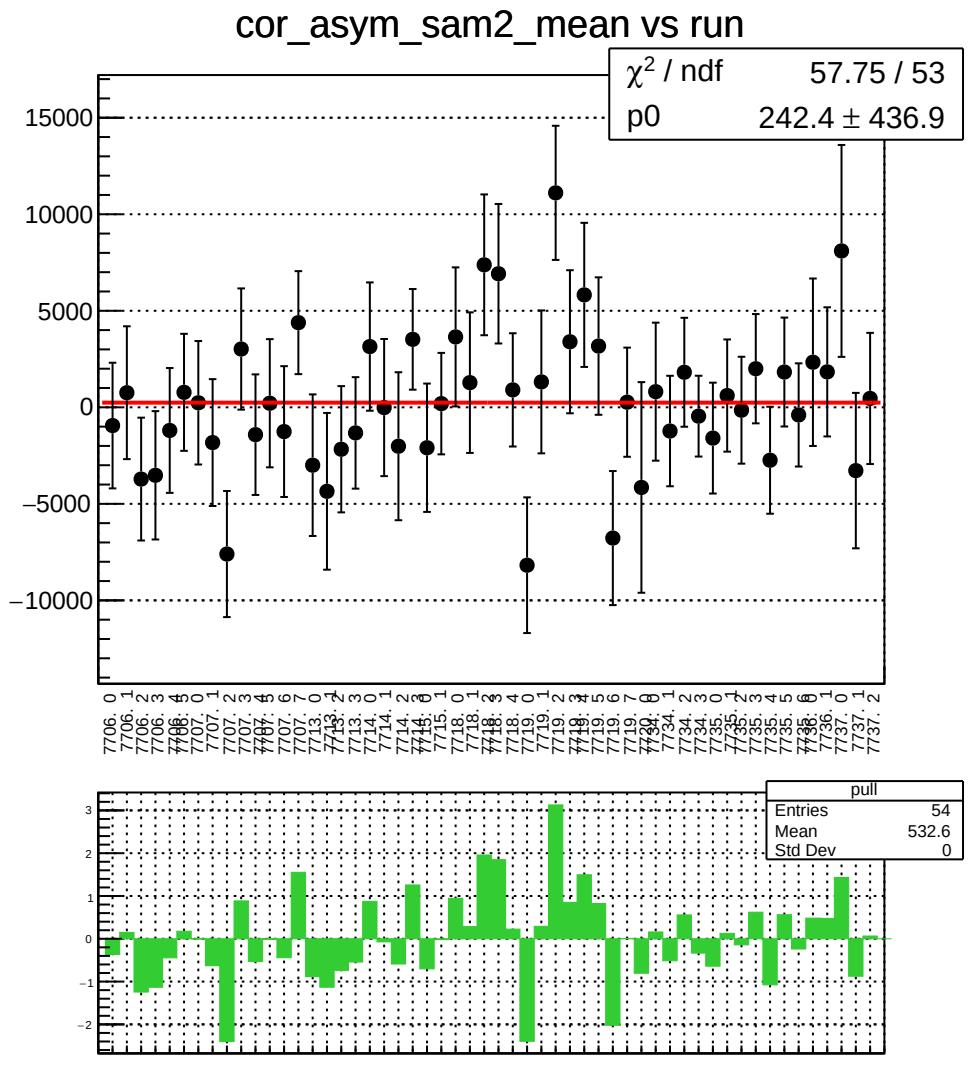

pull1D
Entries 54
Mean 0.005779
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

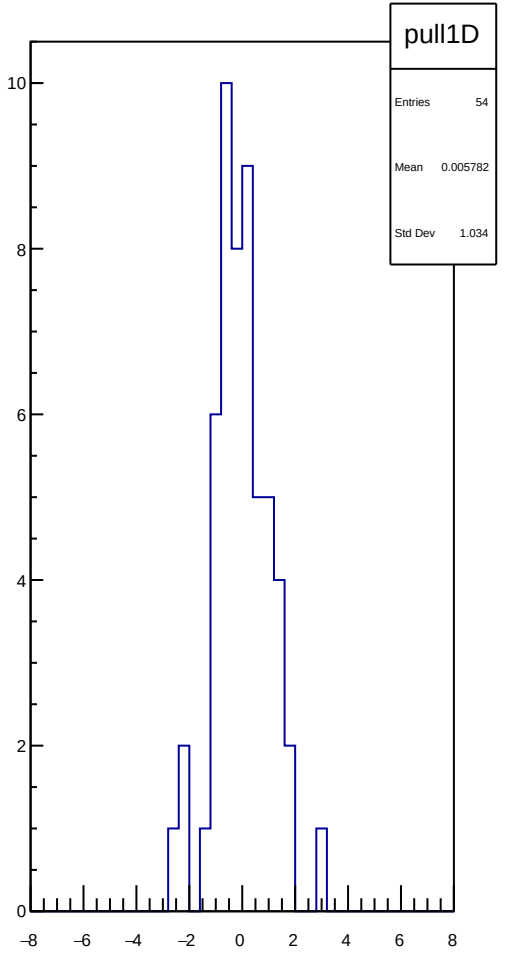

reg_asym_sam2_rms vs run
χ² / ndf 1.476e+04 / 53
p0 316.1 ± 0.3089
550
500
450
400
350
300
250

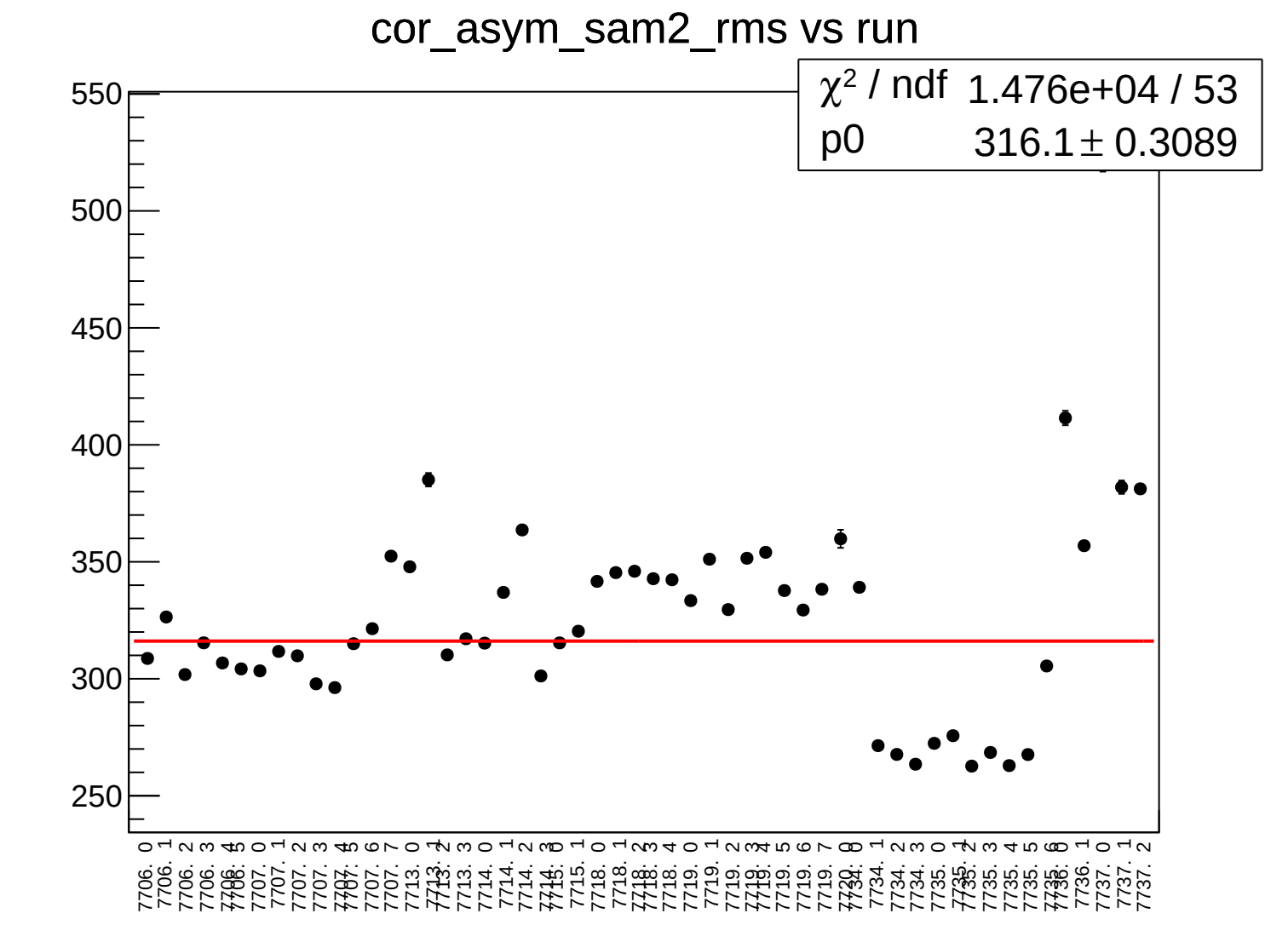

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 35.81 / 53
p0 −1106 ± 7255
pull
Entries 54
Mean −312.9
Std Dev 0

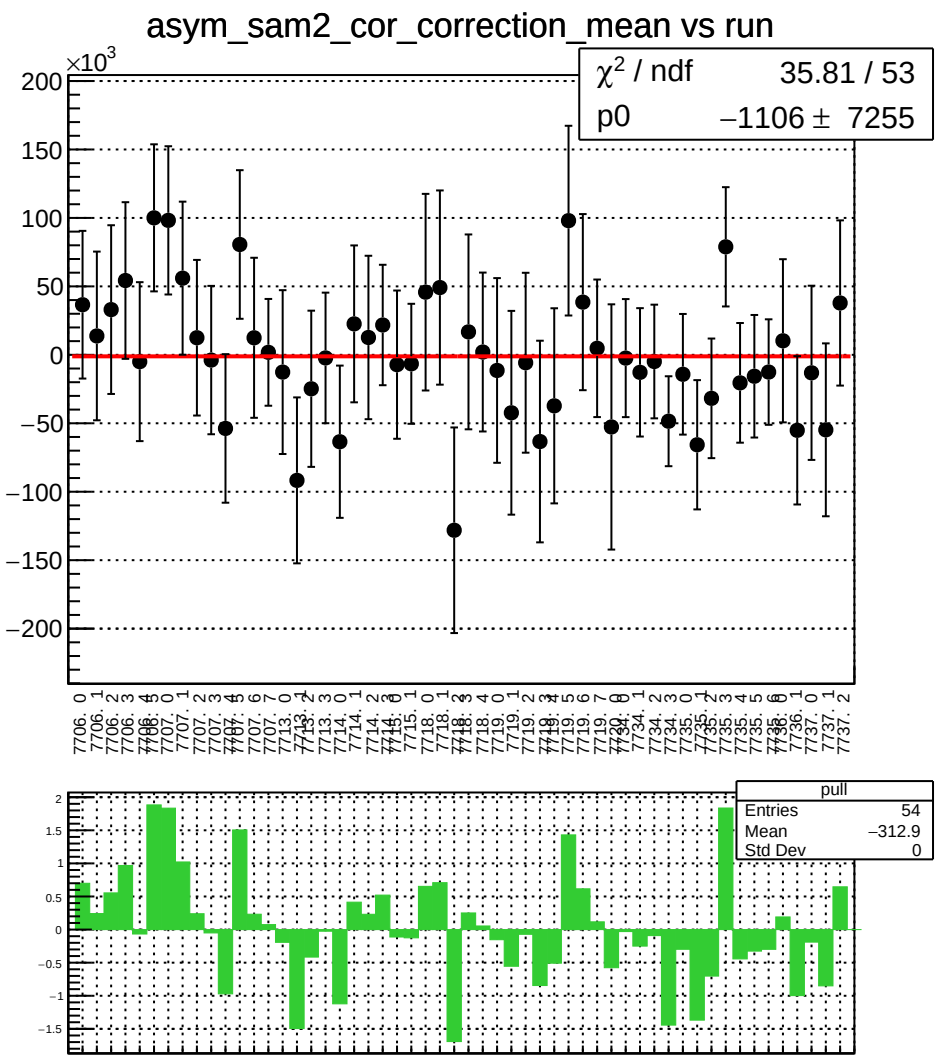

pull1D
Entries 54
Mean 0.01242
Std Dev 0.8143

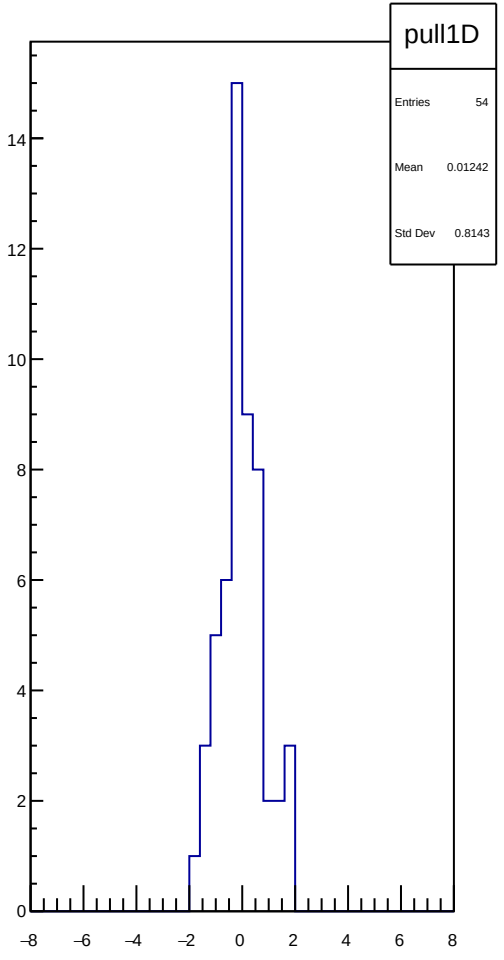

asym_sam2_reg_correction_rms vs run
χ² / ndf 2.816e+04 / 53
p0 5216 ± 5.13
7500
7000
6500
6000
5500
5000
4500
4000
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

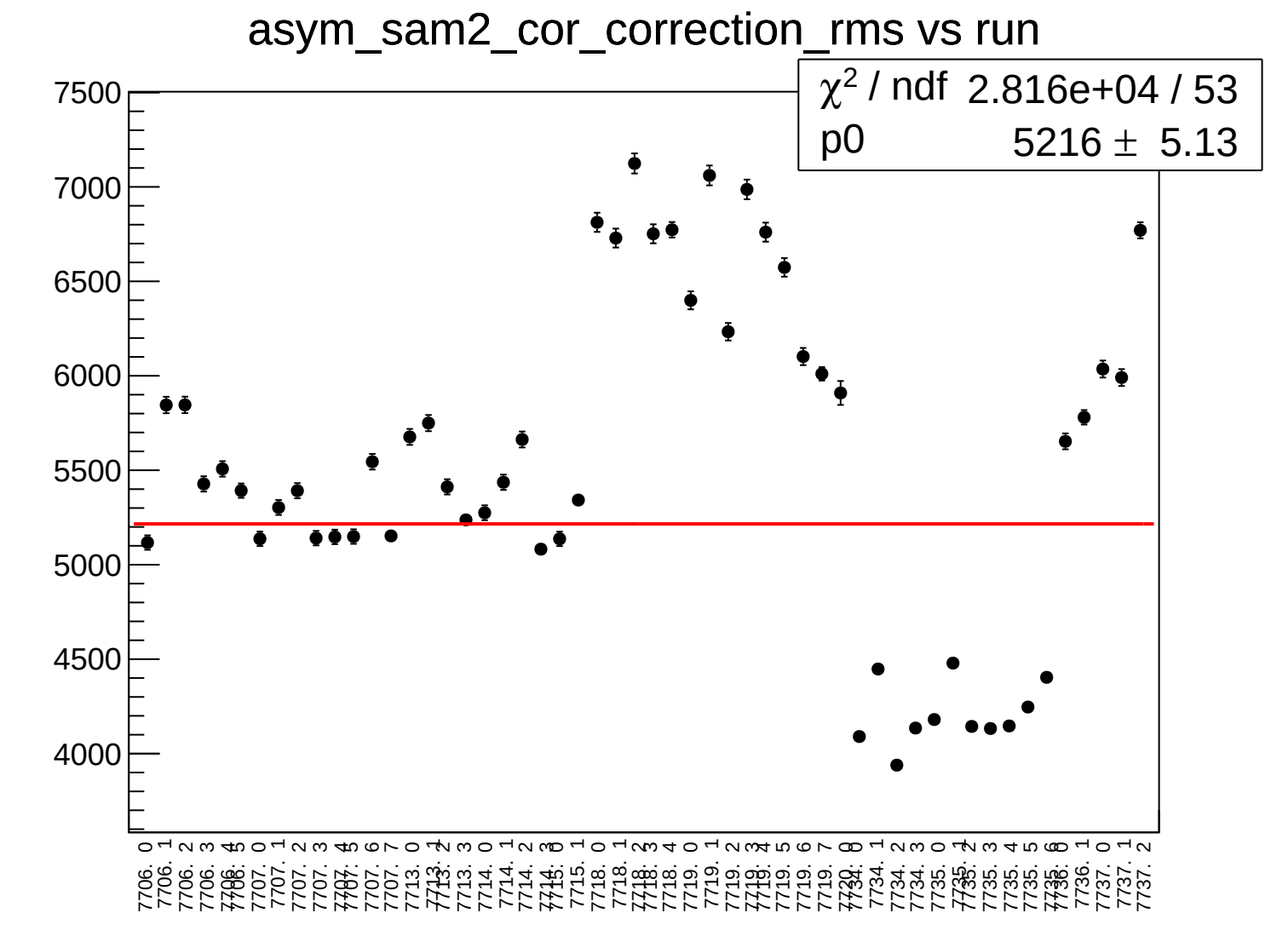

cor_asym_sam2_mean vs run
χ² / ndf 57.75 / 53
p0 242.4 ± 436.9
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 532.6
Std Dev 0
3
2
1
0
−1
−2

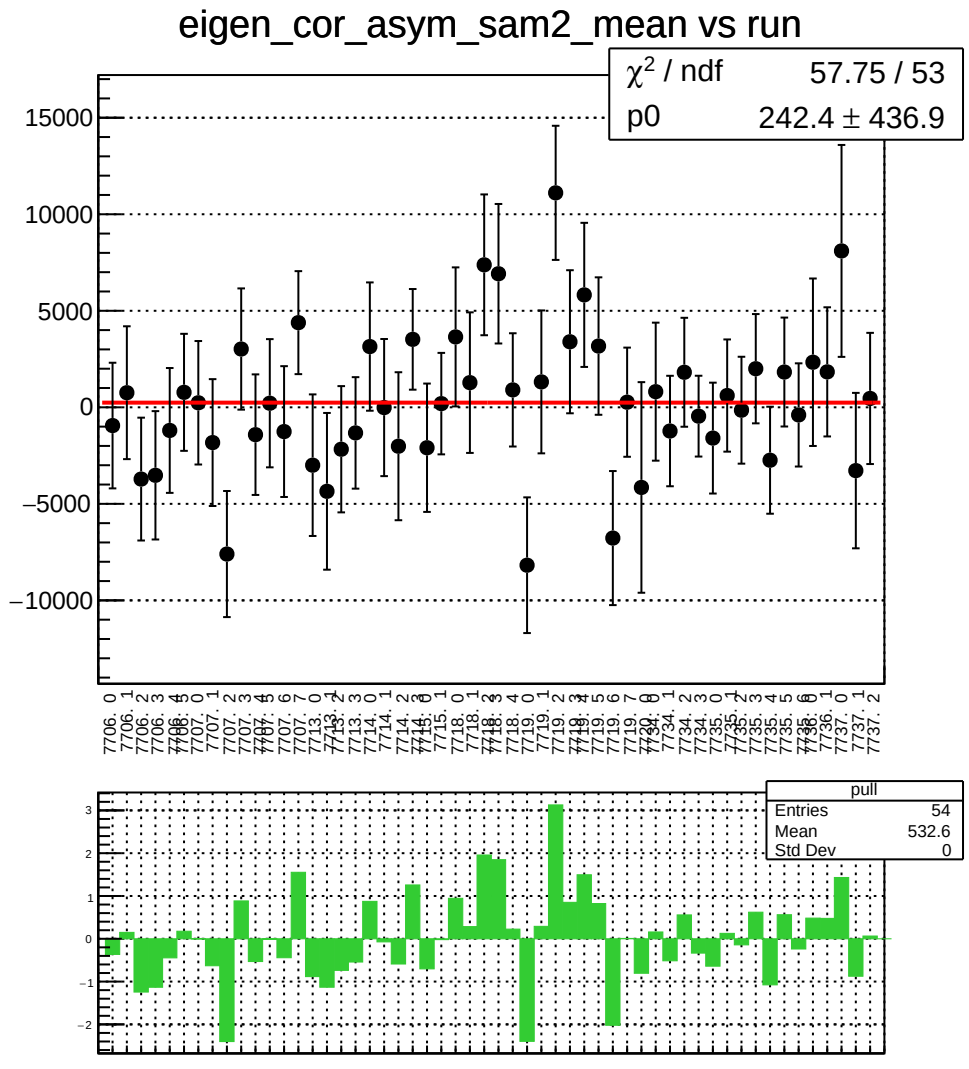

pull1D
Entries 54
Mean 0.005782
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

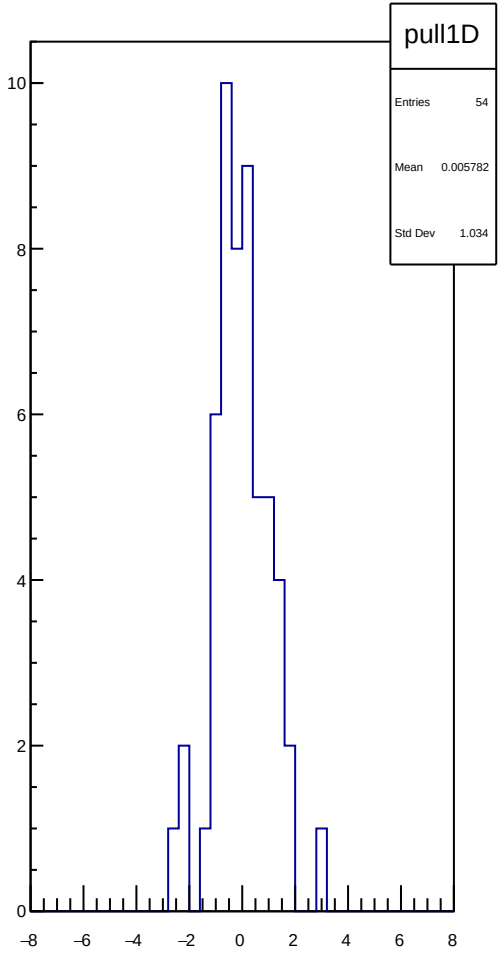

cor_asym_sam2_rms vs run
χ² / ndf 1.476e+04 / 53
p0 316.1 ± 0.3089
550
500
450
400
350
300
250

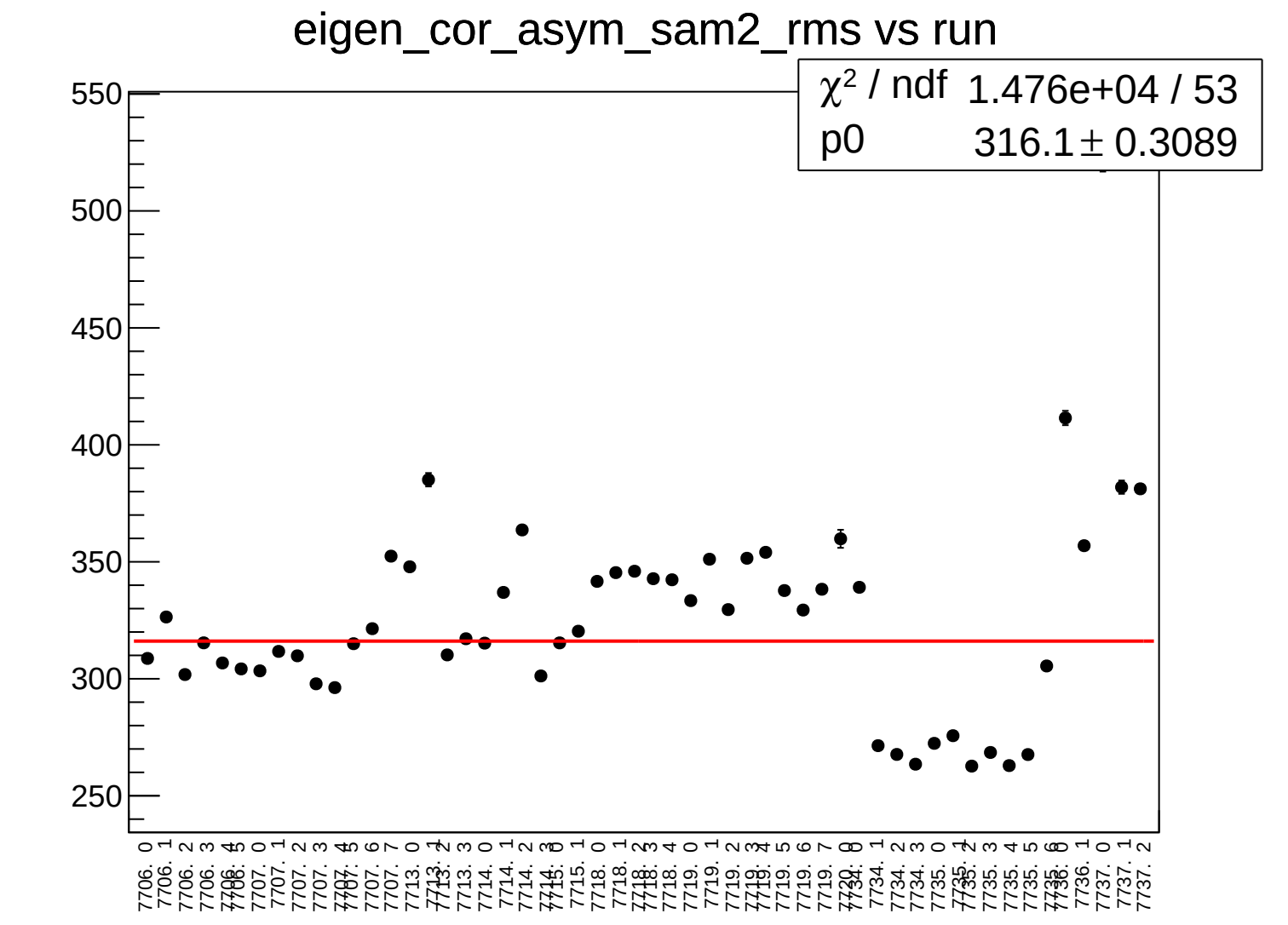

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 35.81 / 53
p0 −1106 ± 7255
pull
Entries 54
Mean −312.9
Std Dev 0

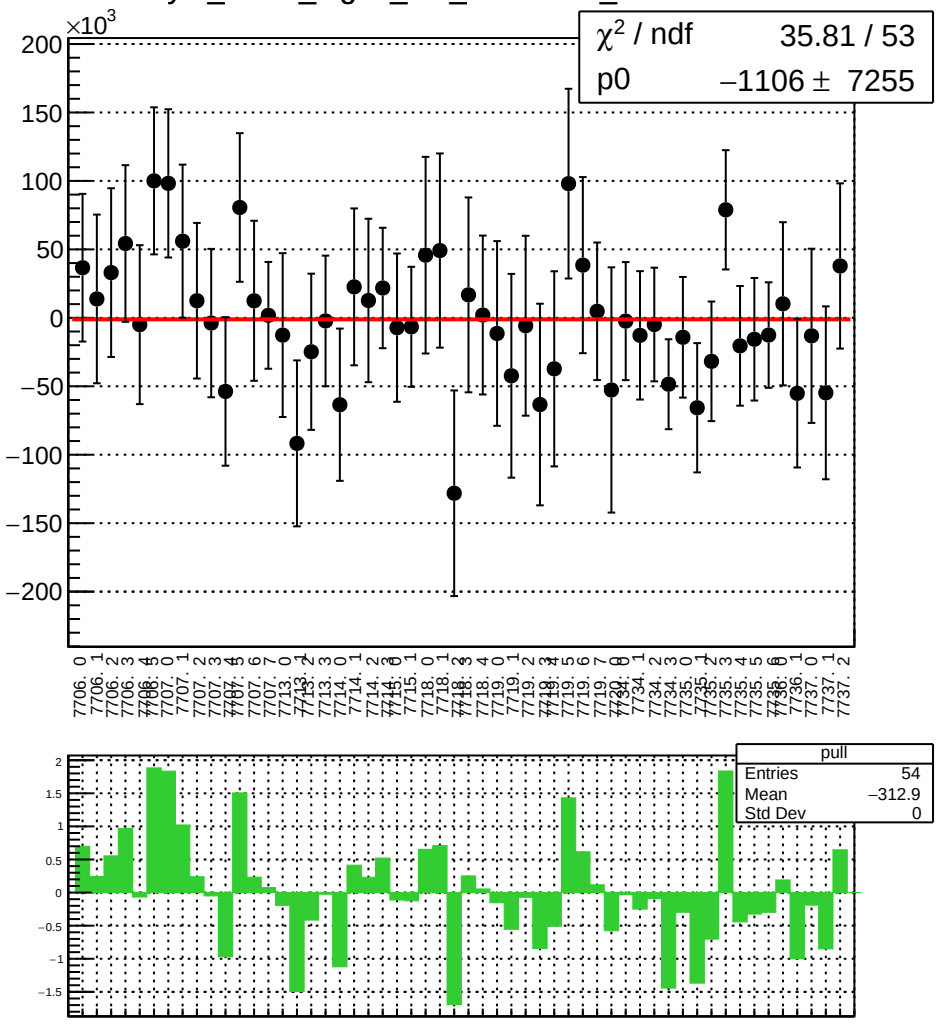

pull1D
Entries 54
Mean 0.01242
Std Dev 0.8143

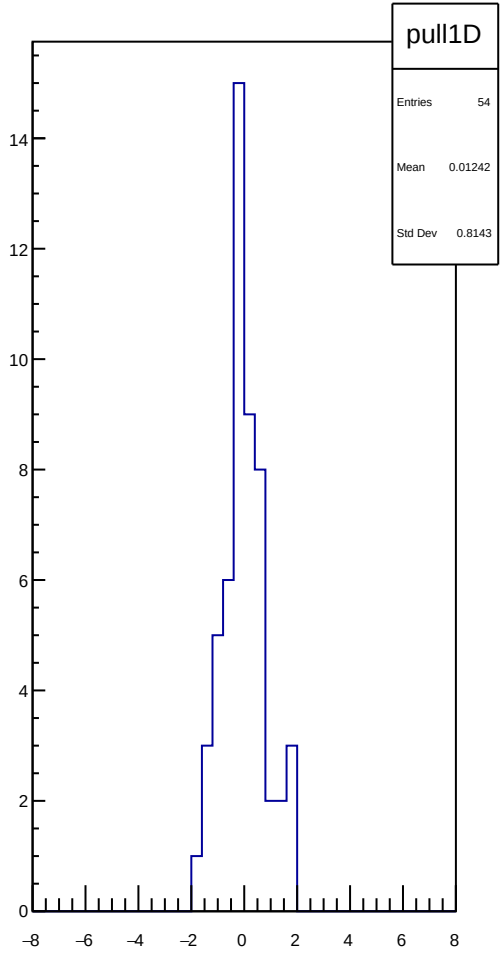

asym_sam2_cor_correction_rms vs run
χ² / ndf 2.816e+04 / 53
p0 5216 ± 5.13
7500
7000
6500
6000
5500
5000
4500
4000

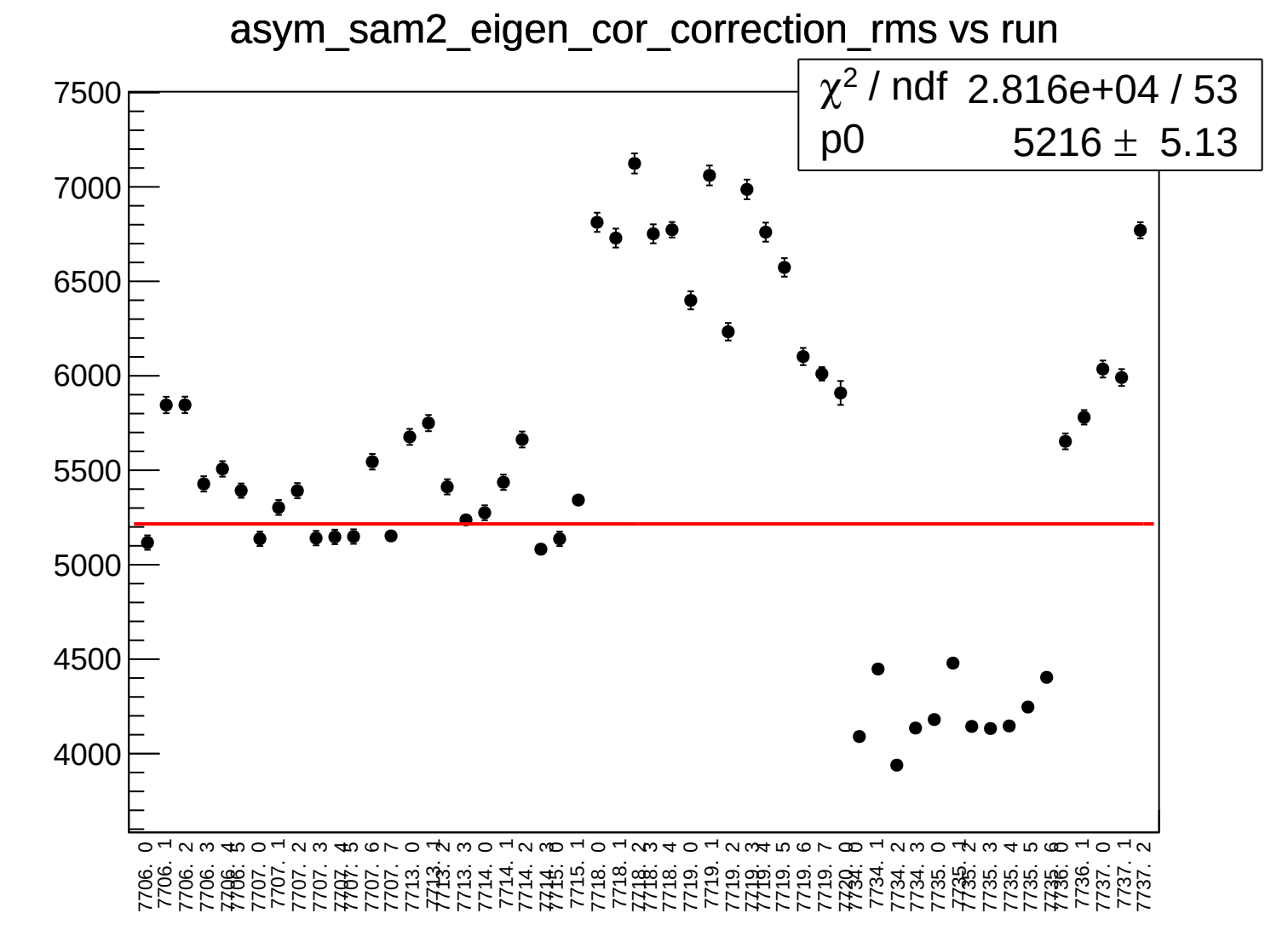

eigen_cor_asym_sam2_mean vs run
χ² / ndf 57.75 / 53
p0 242.4 ± 436.9
pull
Entries 54
Mean 532.6
Std Dev 0

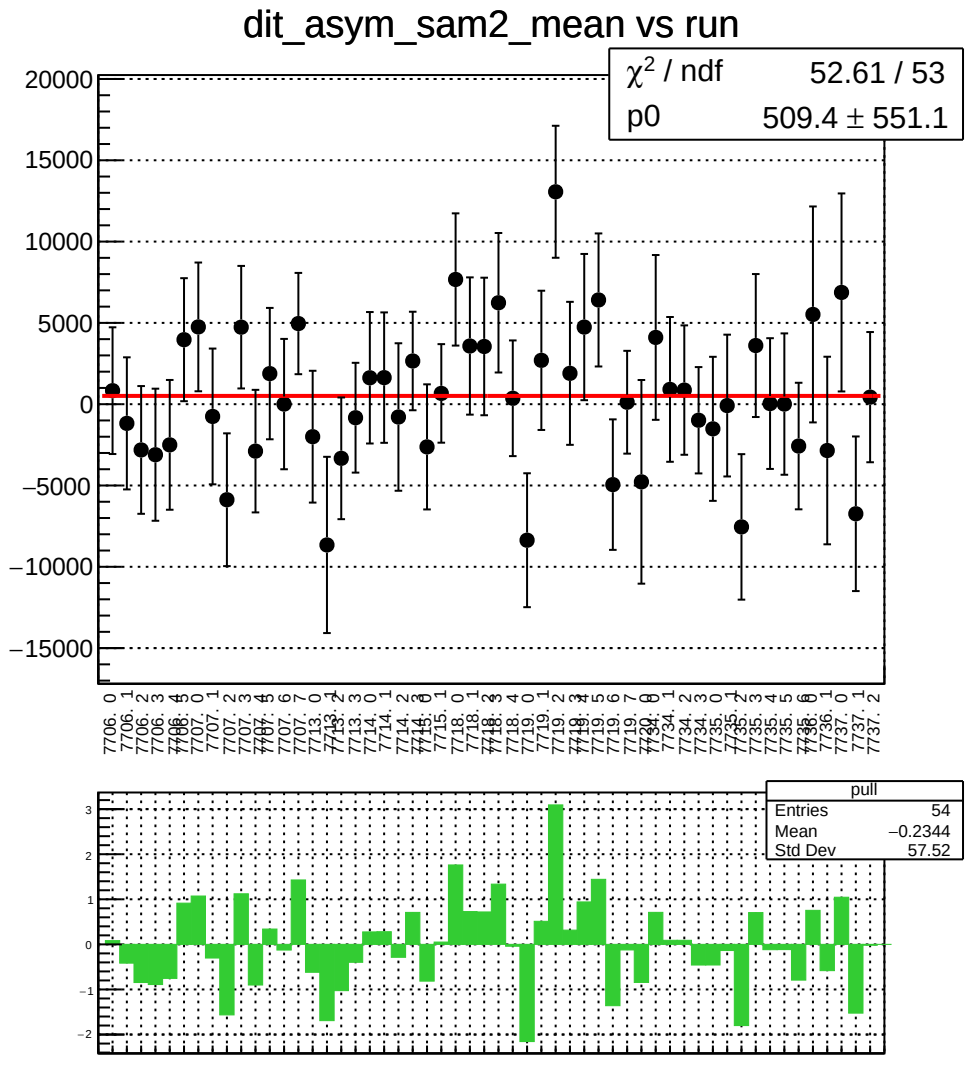

pull1D
Entries 54
Mean 0.005782
Std Dev 1.034

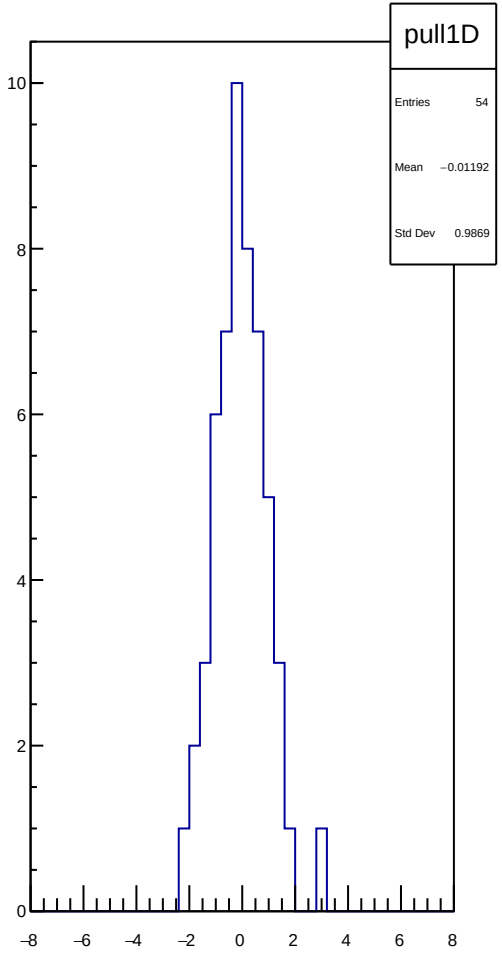

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1.476e+04 / 53
p0 316.1 ± 0.3089
550
500
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

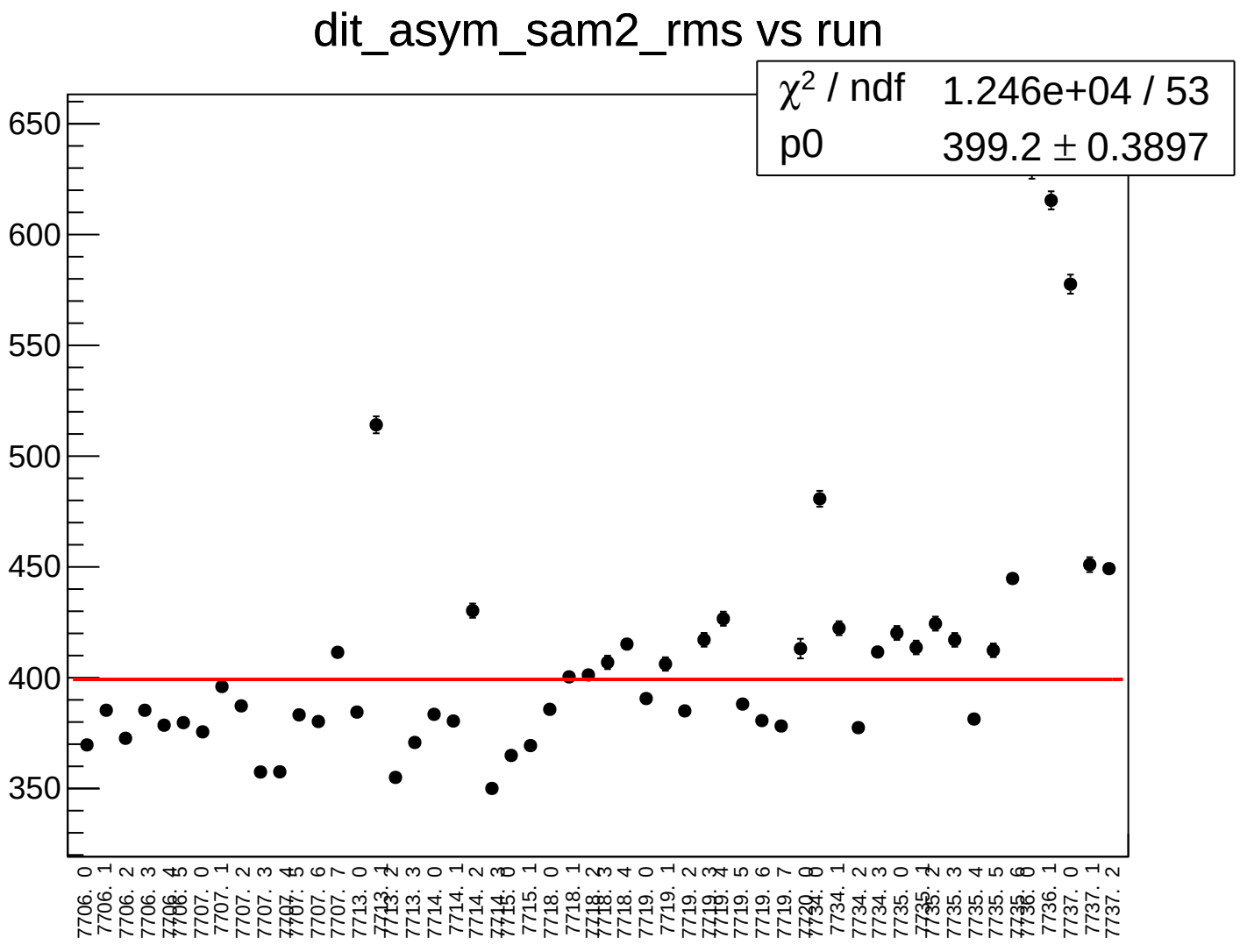

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.81 / 53
p0 −1106 ± 7255
pull
Entries 54
Mean −312.9
Std Dev 0

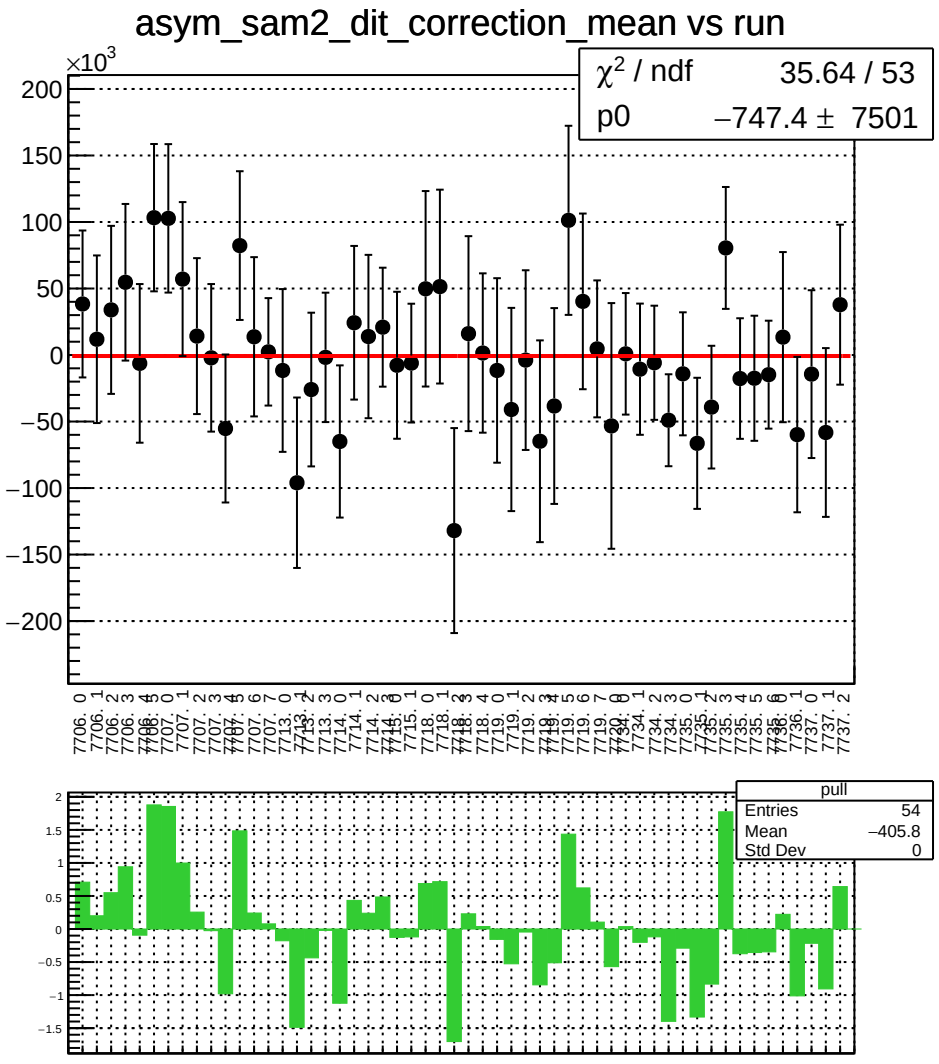

pull1D
Entries 54
Mean 0.01242
Std Dev 0.8143

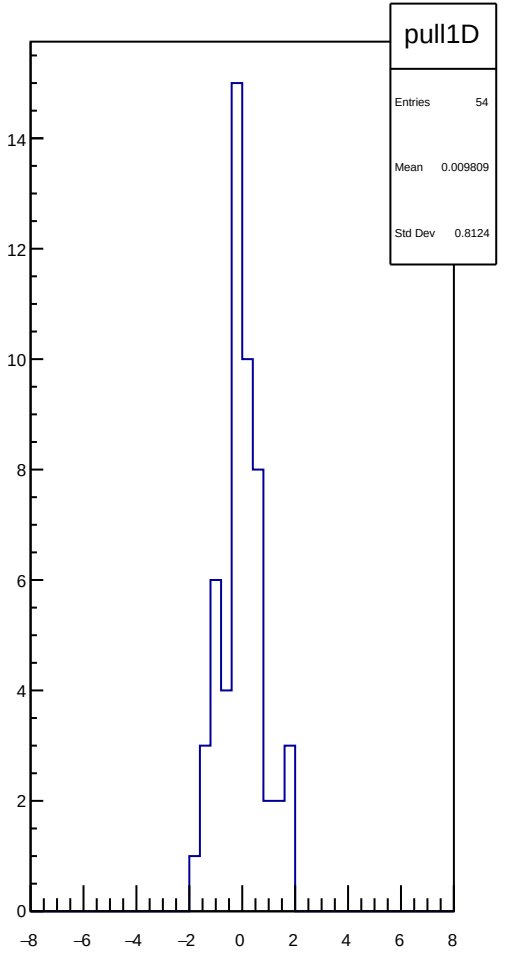

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 2.816e+04 / 53
p0 5216 ± 5.13
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

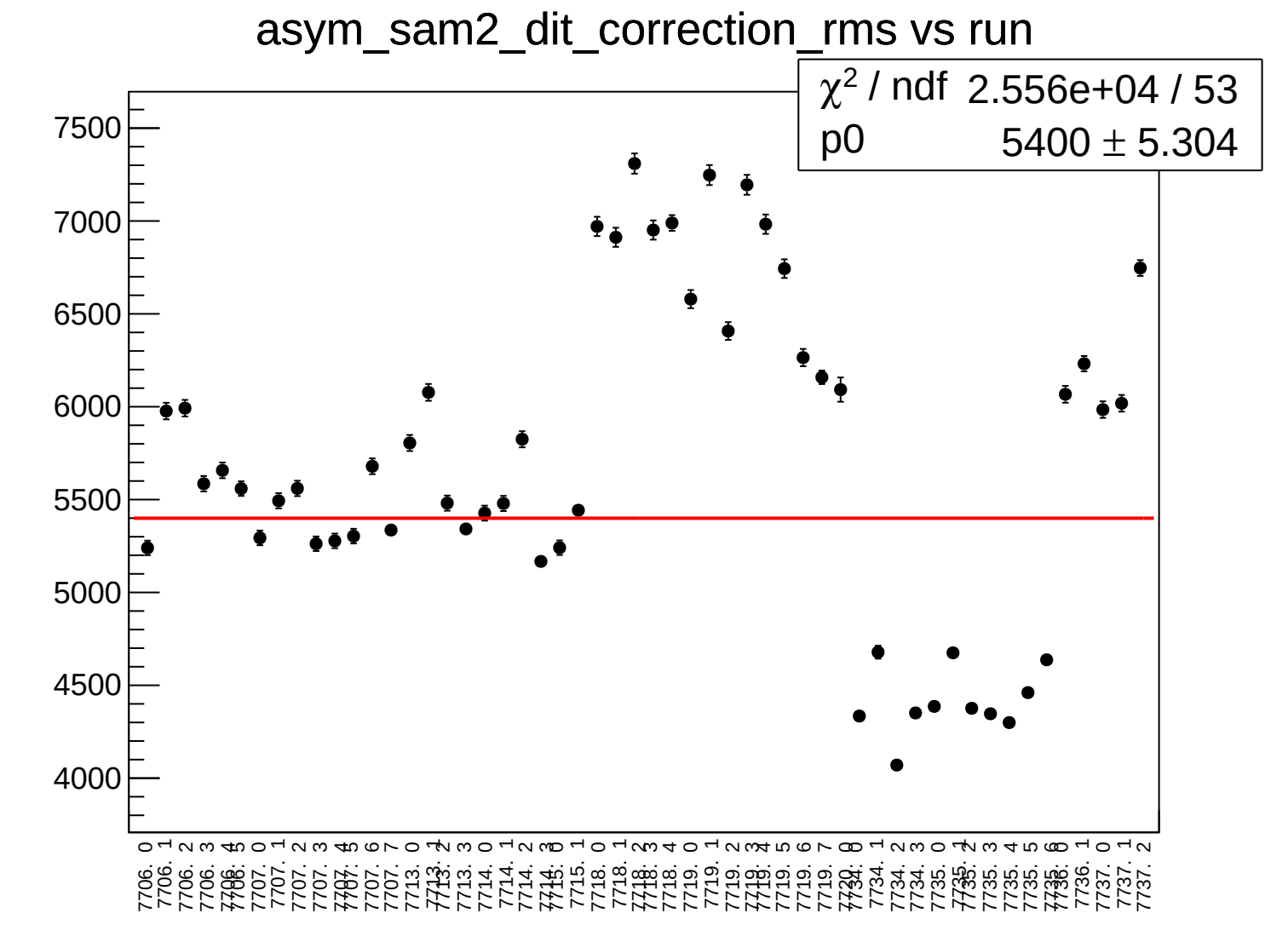

dit_asym_sam2_mean vs run
χ² / ndf 52.61 / 53
p0 509.4 ± 551.1
pull
Entries 54
Mean −0.2344
Std Dev 57.52

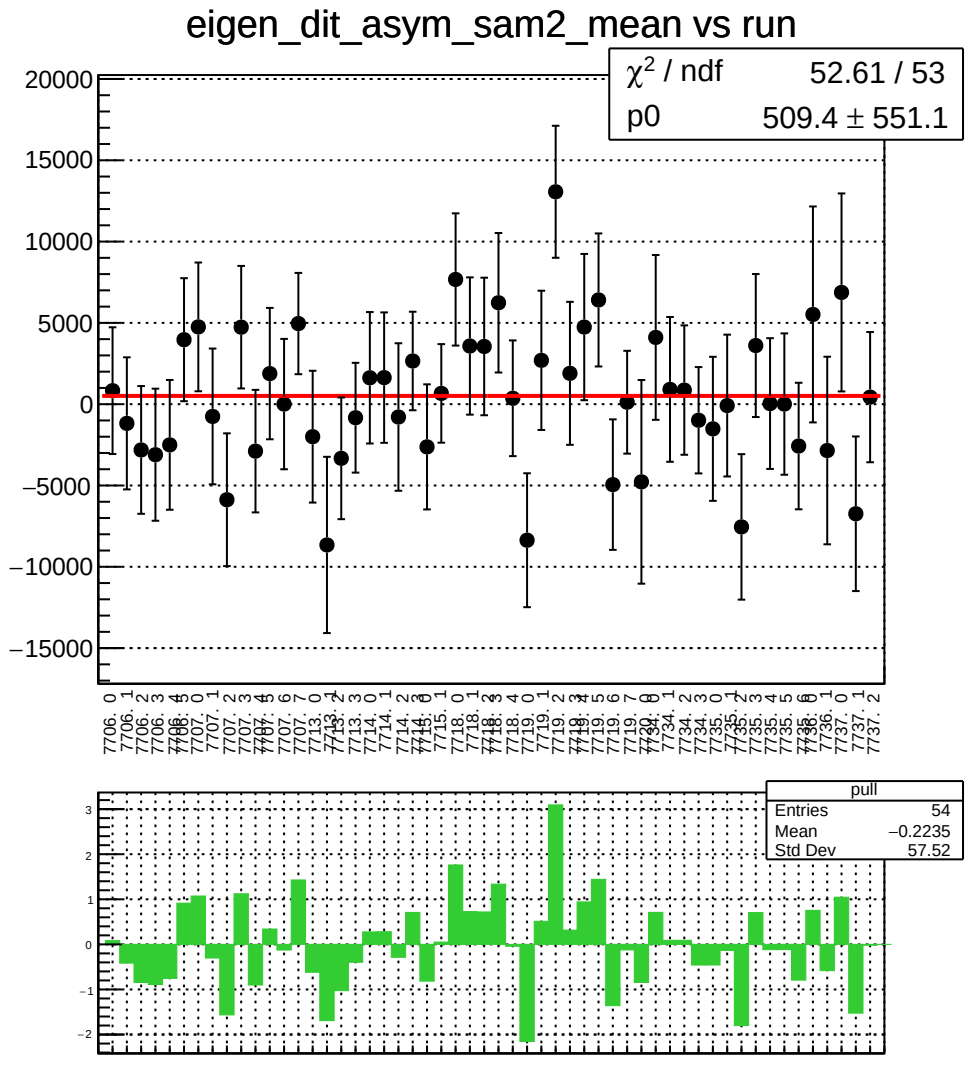

pull1D
Entries 54
Mean −0.01192
Std Dev 0.9869

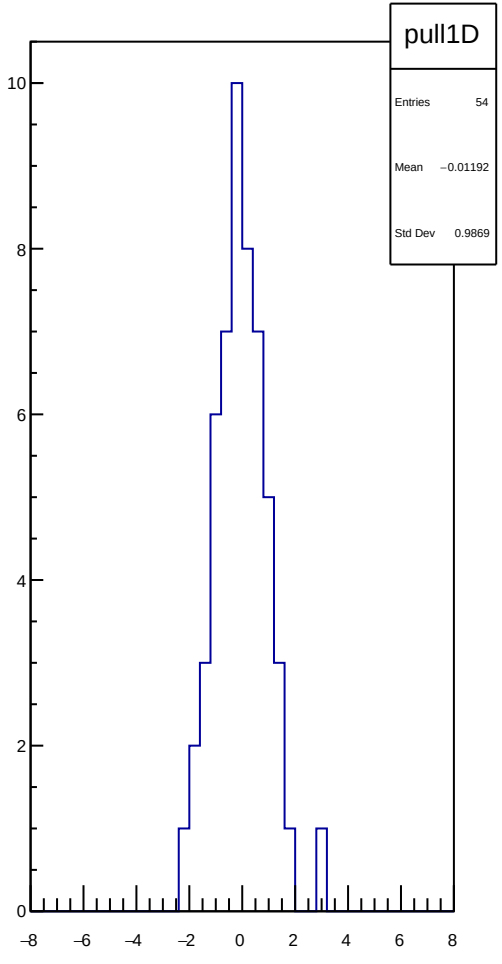

dit_asym_sam2_rms vs run
χ² / ndf 1.246e+04 / 53
p0 399.2 ± 0.3897
650
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

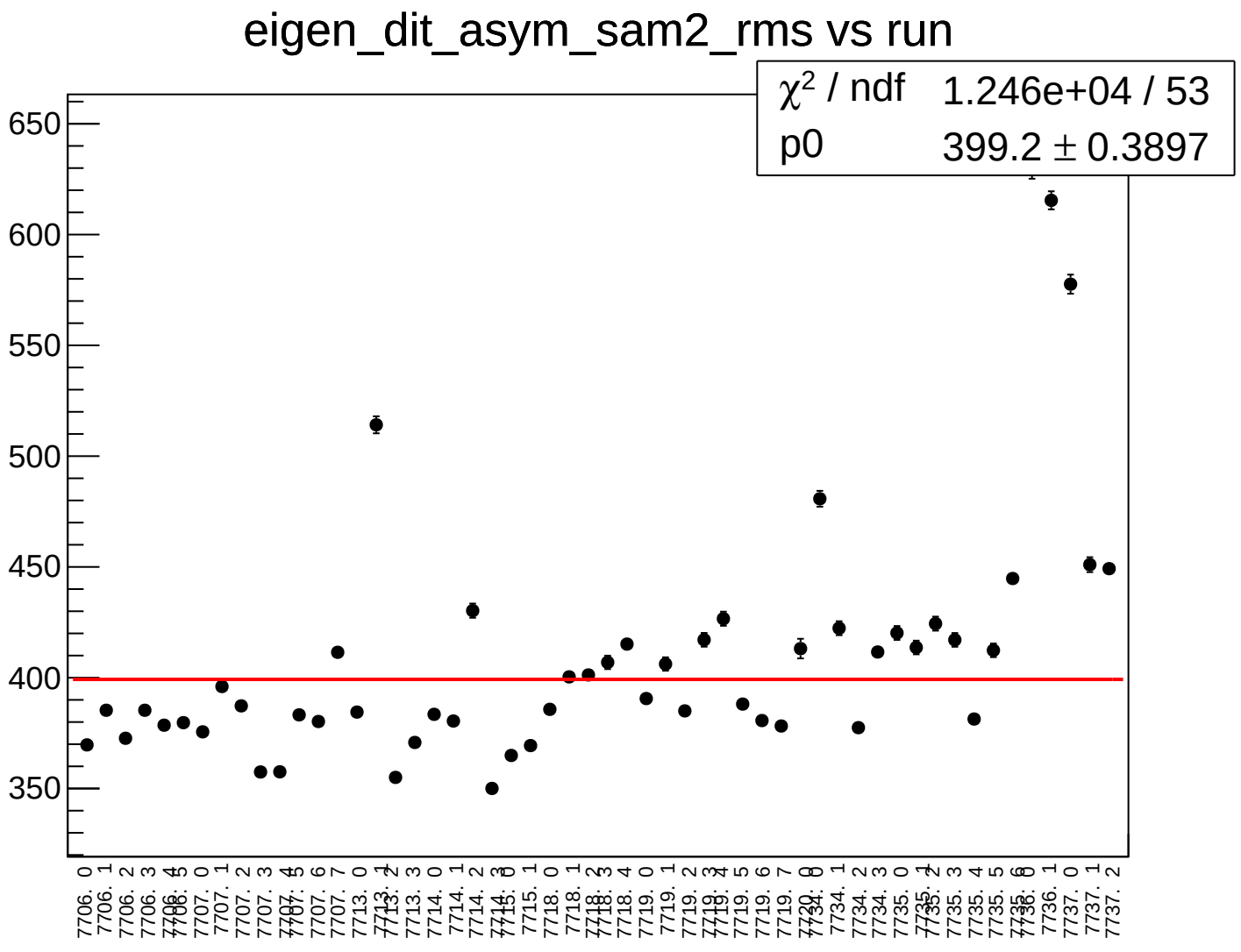

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 35.64 / 53
p0 −747.4 ± 7501
pull
Entries 54
Mean −405.8
Std Dev 0

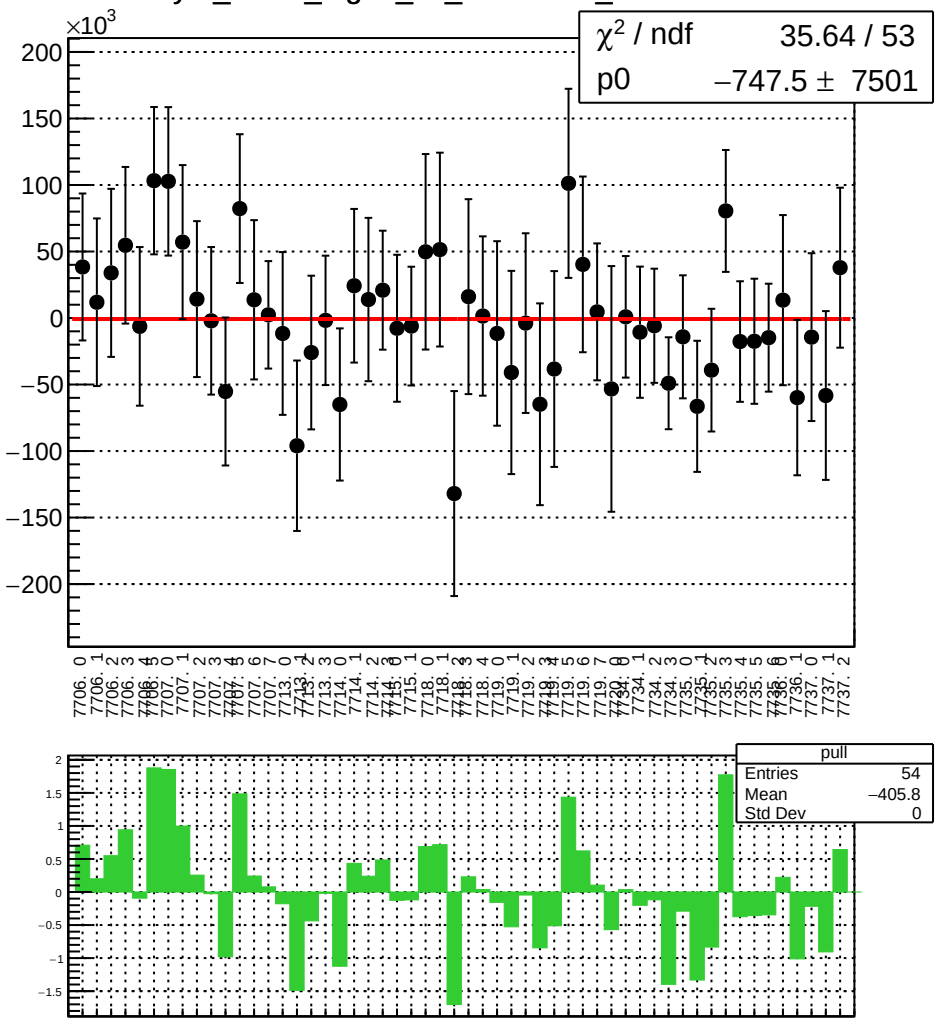

pull1D
Entries 54
Mean 0.009809
Std Dev 0.8124

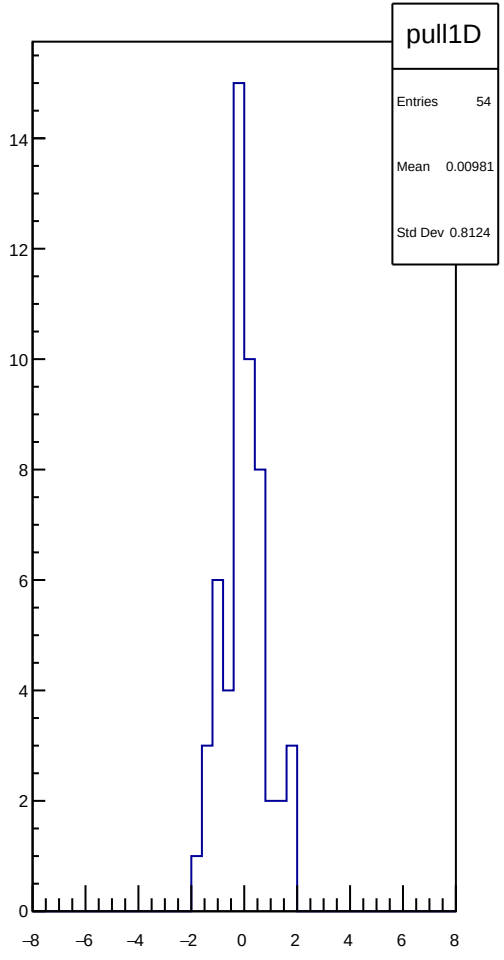

asym_sam2_dit_correction_rms vs run
χ² / ndf 2.556e+04 / 53
p0 5400 ± 5.304
7500
7000
6500
6000
5500
5000
4500
4000

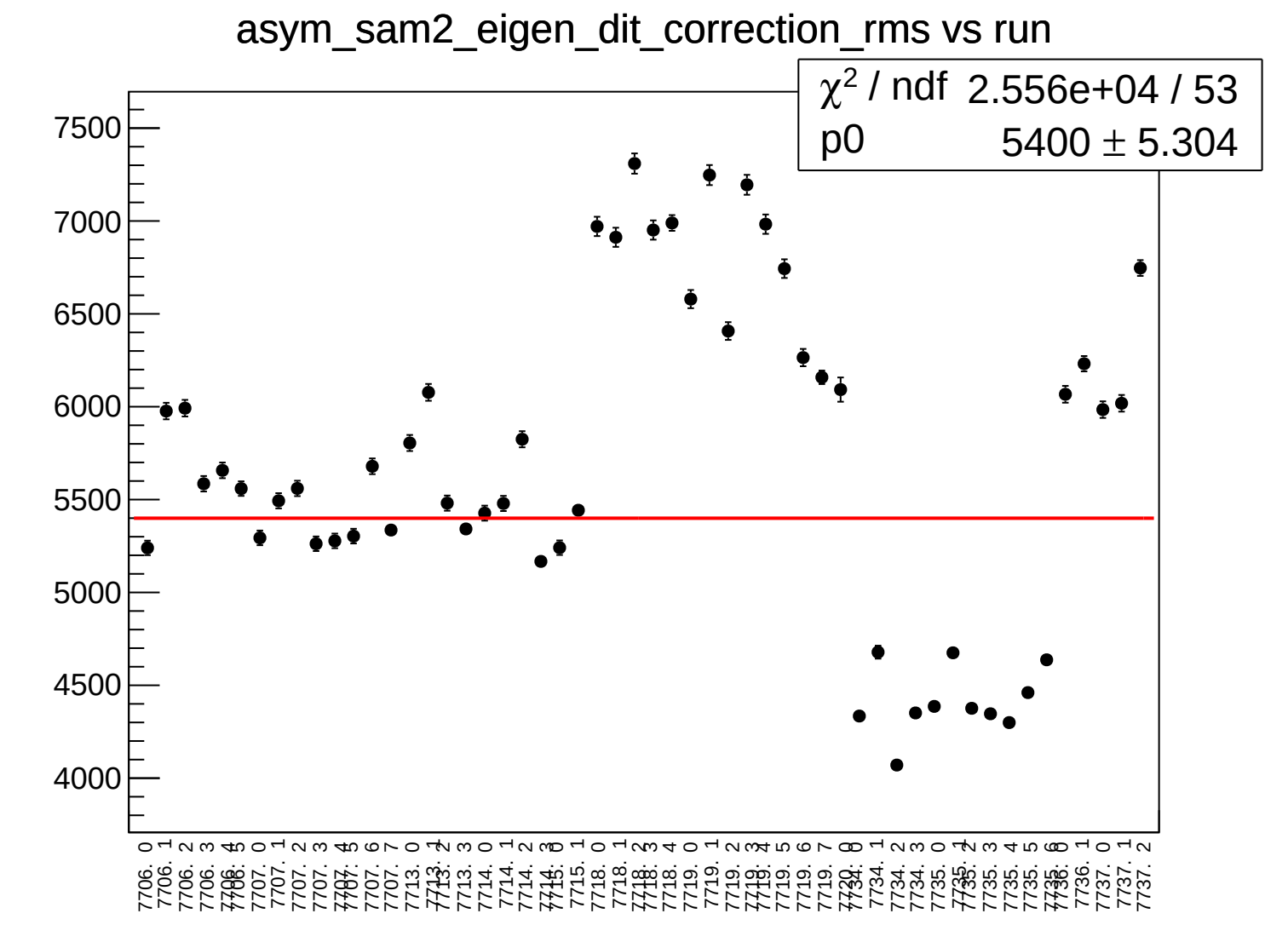

eigen_dit_asym_sam2_mean vs run
χ² / ndf 52.61 / 53
p0 509.4 ± 551.1
pull
Entries 54
Mean −0.2235
Std Dev 57.52

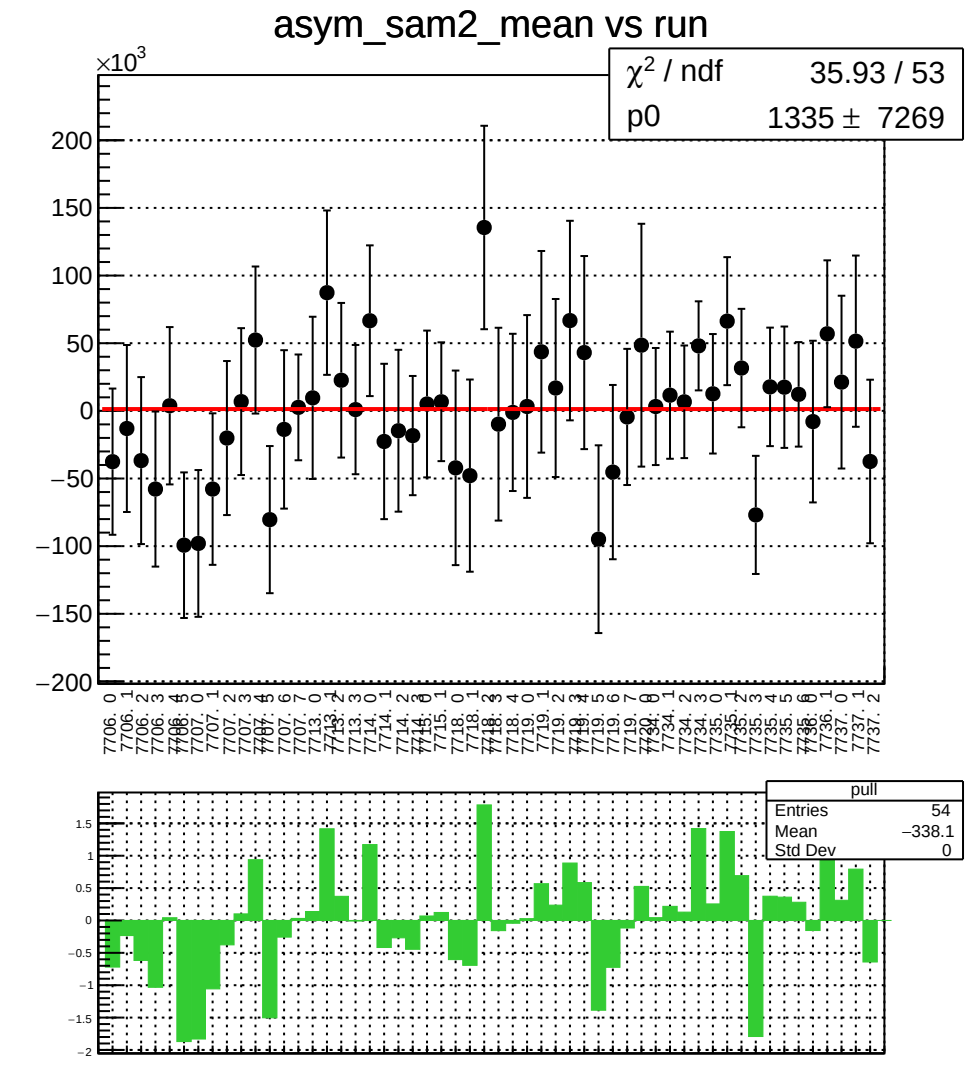

pull1D
Entries 54
Mean −0.01192
Std Dev 0.9869

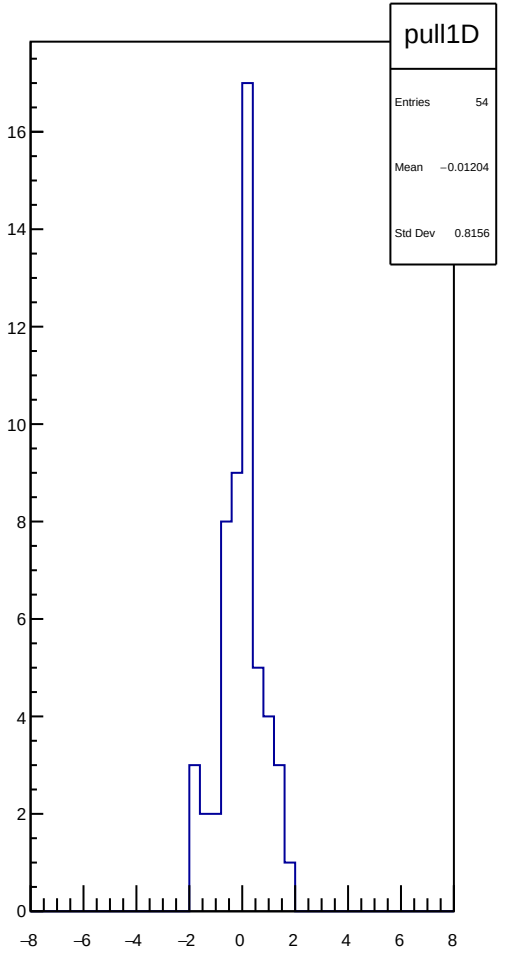

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1.246e+04 / 53
p0 399.2 ± 0.3897
650
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

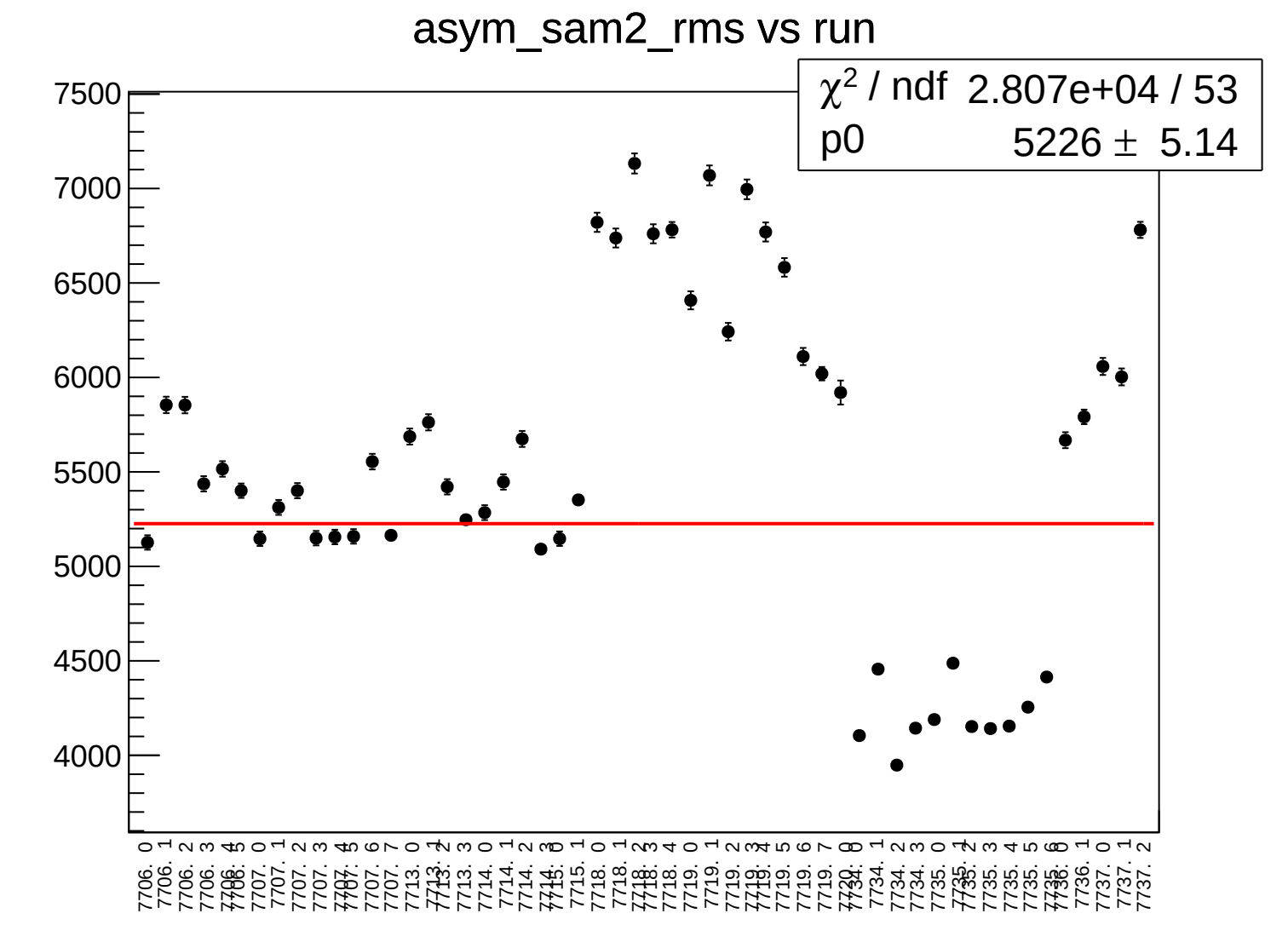

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.64 / 53
p0 −747.5 ± 7501
pull
Entries 54
Mean −405.8
Std Dev 0

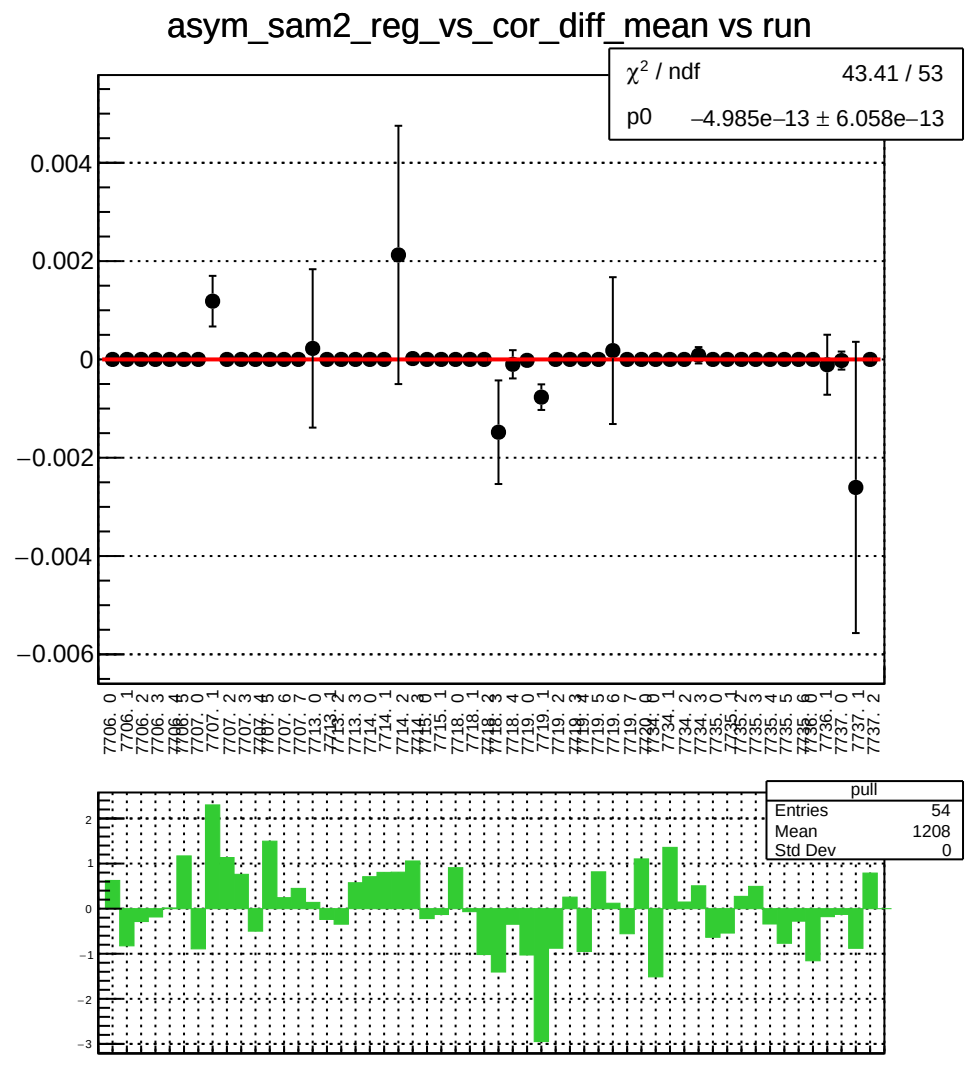

pull1D
Entries 54
Mean 0.00981
Std Dev 0.8124

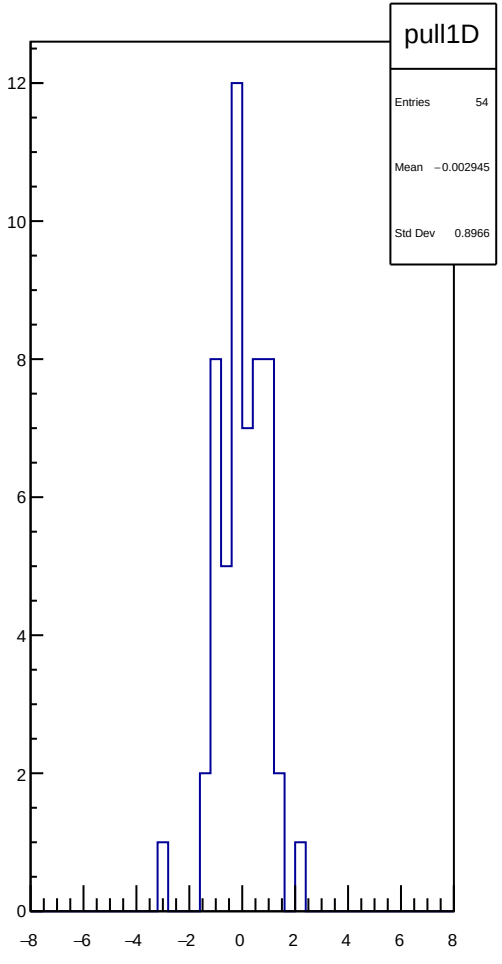

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 2.556e+04 / 53
p0 5400 ± 5.304
7500
7000
6500
6000
5500
5000
4500
4000

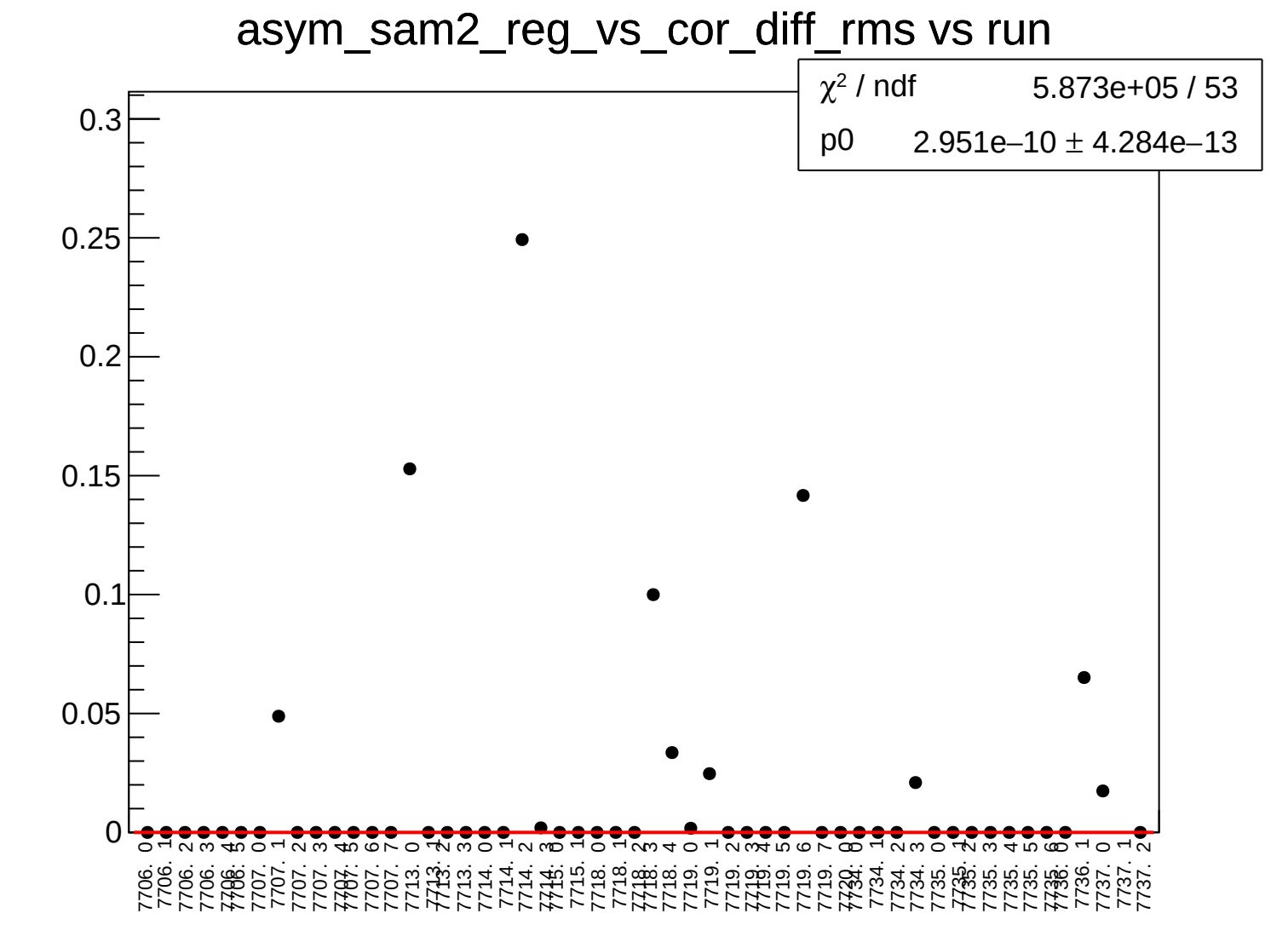

asym_sam2_mean vs run
×10^3
χ² / ndf 35.93 / 53
p0 1335 ± 7269
pull
Entries 54
Mean −338.1
Std Dev 0

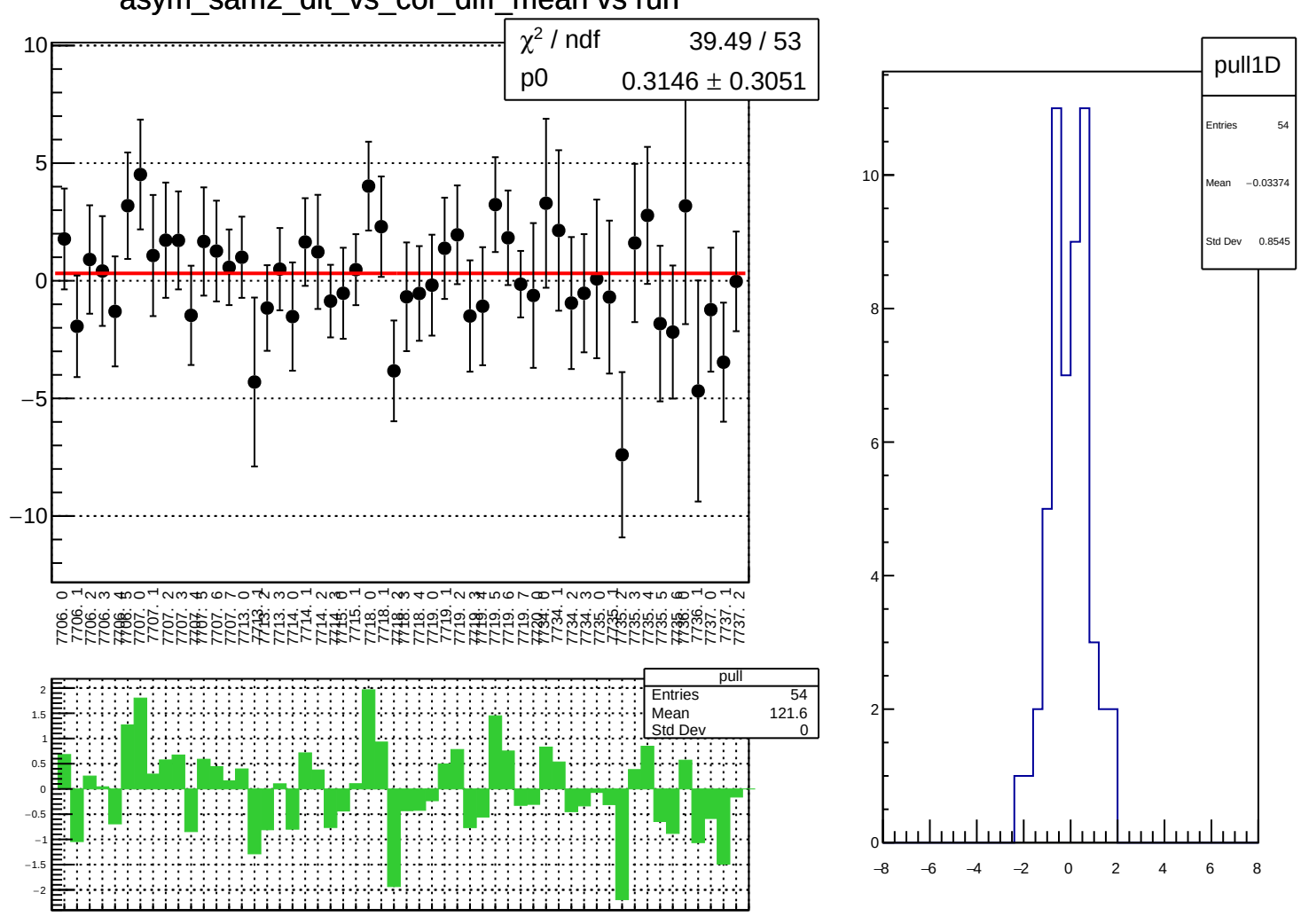

pull1D
Entries 54
Mean −0.01204
Std Dev 0.8156

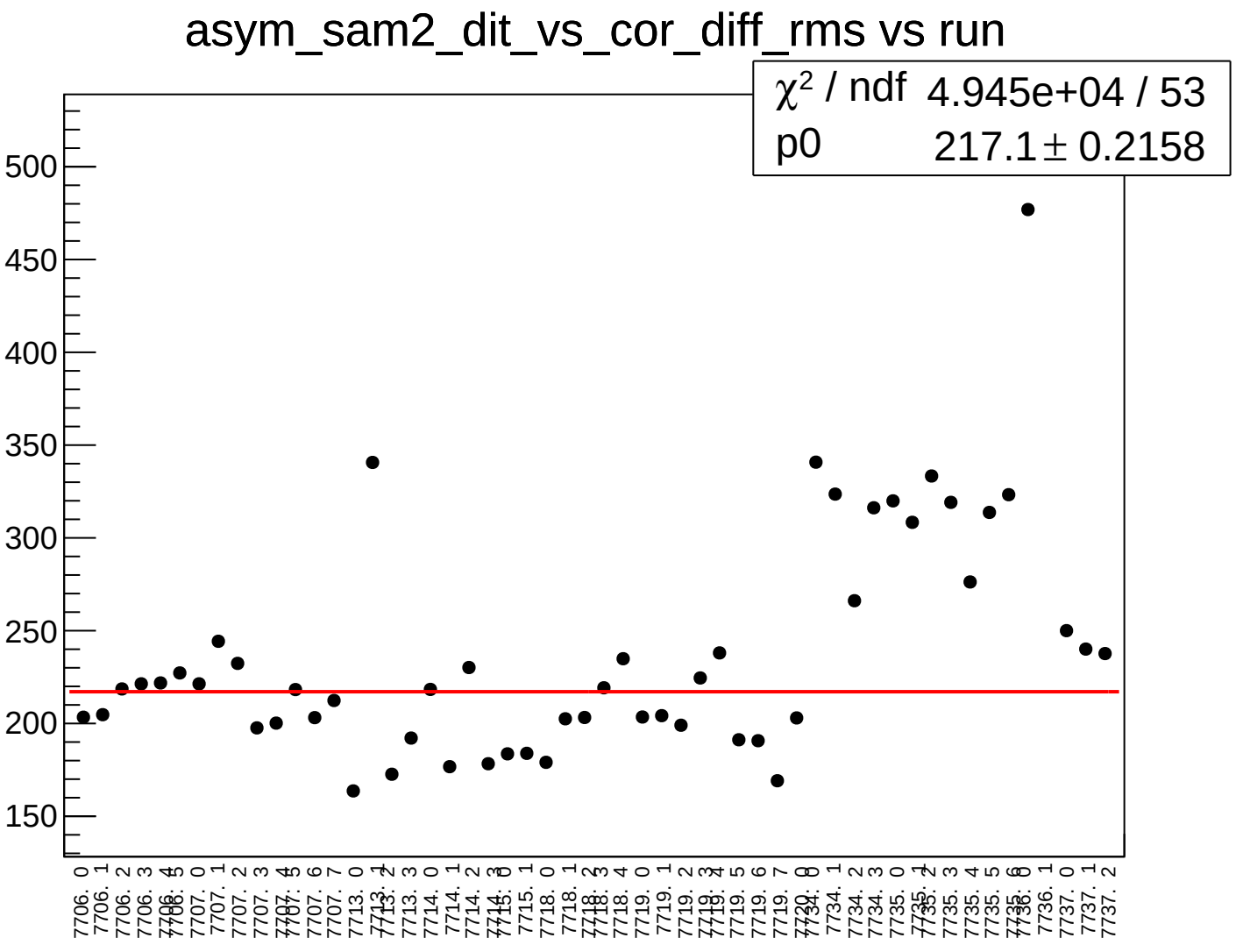

asym_sam2_rms vs run
χ² / ndf 2.807e+04 / 53
p0 5226 ± 5.14
7500
7000
6500
6000
5500
5000
4500
4000

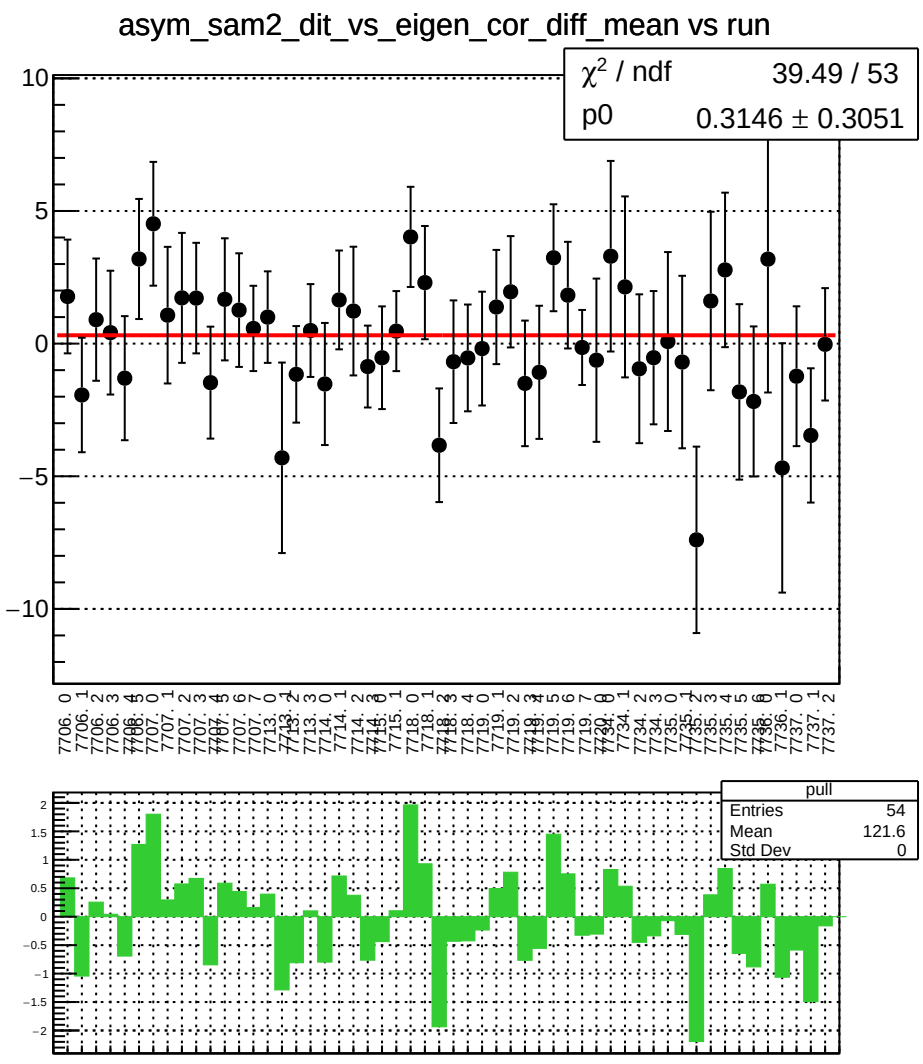

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 43.41 / 53
p0 −4.985e−13 ± 6.058e−13
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 54
Mean 1208
Std Dev 0

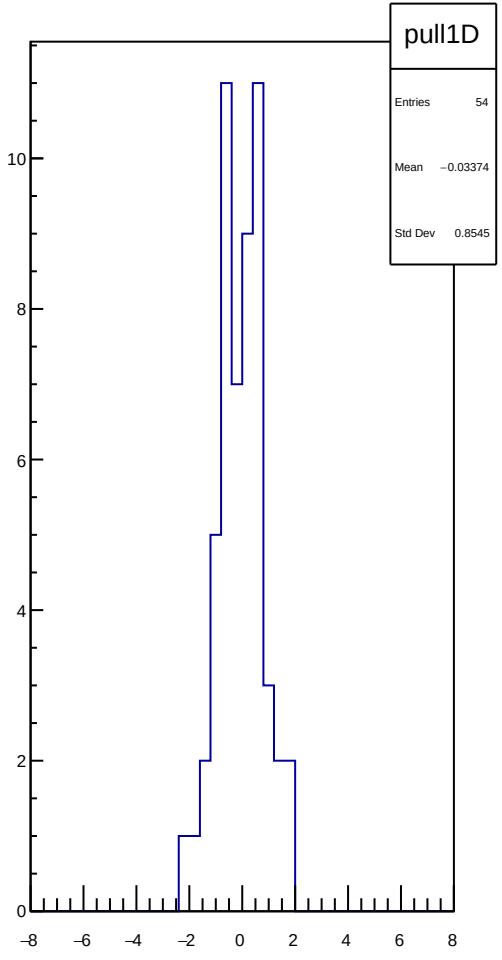

pull1D
Entries 54
Mean −0.002945
Std Dev 0.8966

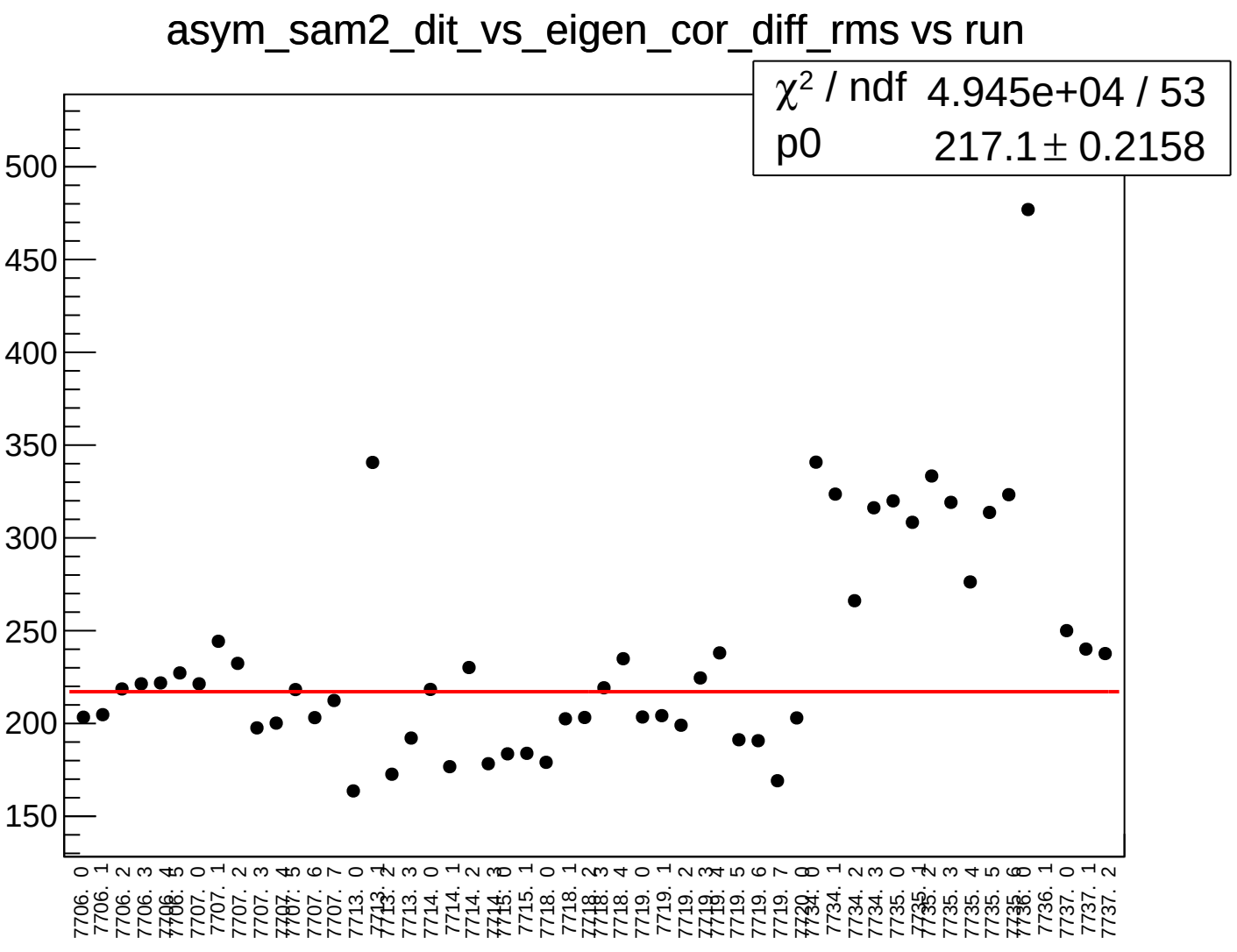

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.873e+05 / 53
p0 2.951e−10 ± 4.284e−13
0.3
0.25
0.2
0.15
0.1
0.05
0

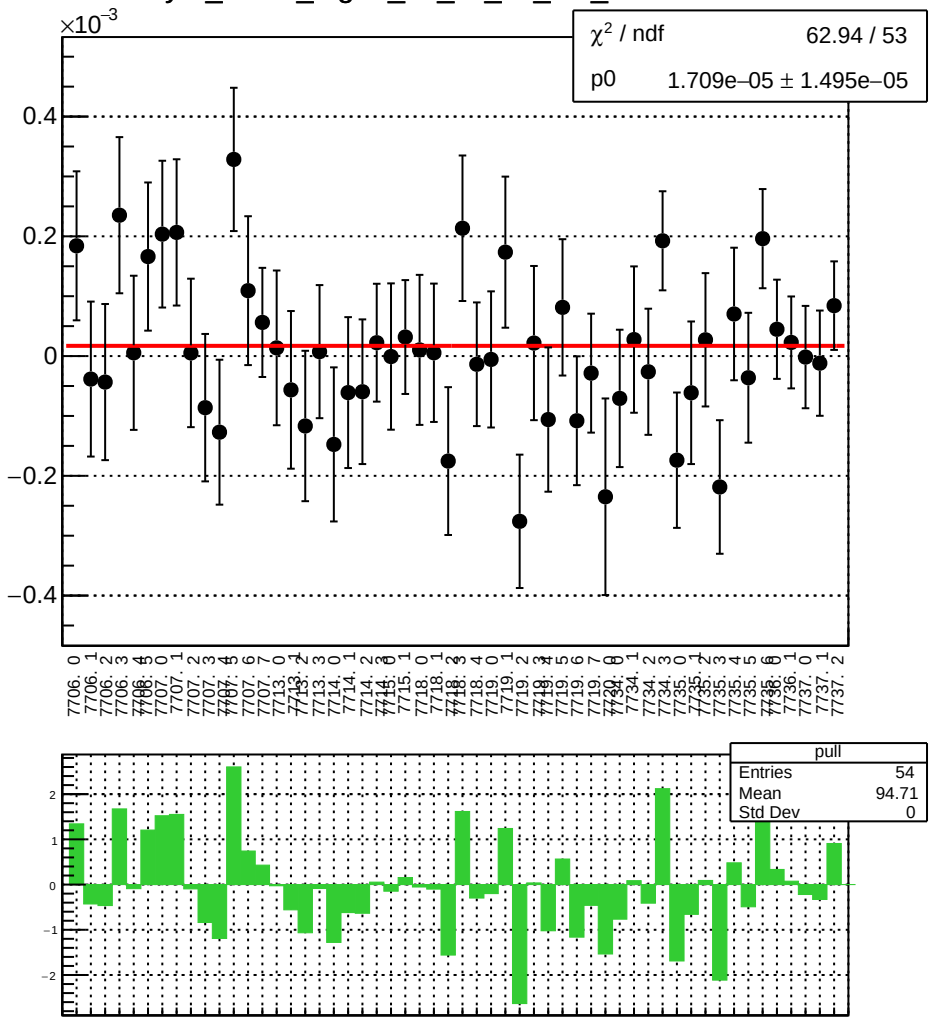

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 39.49 / 53
p0 0.3146 ± 0.3051
pull
Entries 54
Mean 121.6
Std Dev 0
pull1D
Entries 54
Mean −0.03374
Std Dev 0.8545

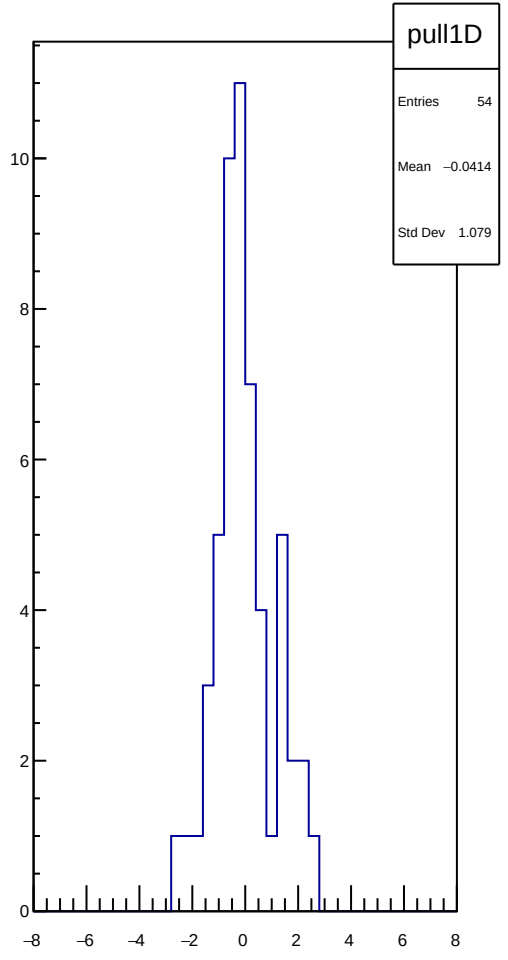

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.945e+04 / 53
p0 217.1 ± 0.2158
500
450
400
350
300
250
200
150

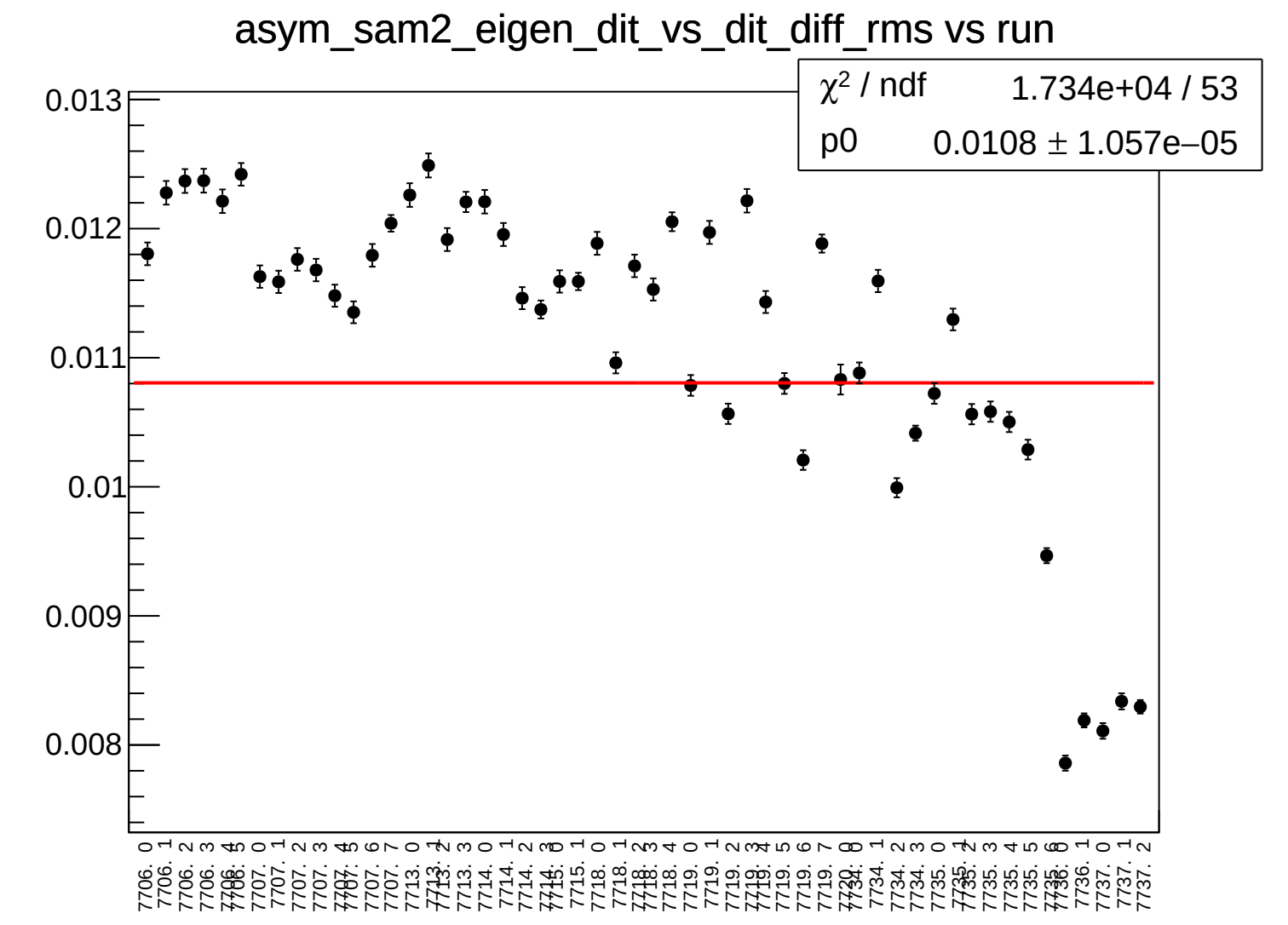

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.49 / 53
p0 0.3146 ± 0.3051
pull
Entries 54
Mean 121.6
Std Dev 0

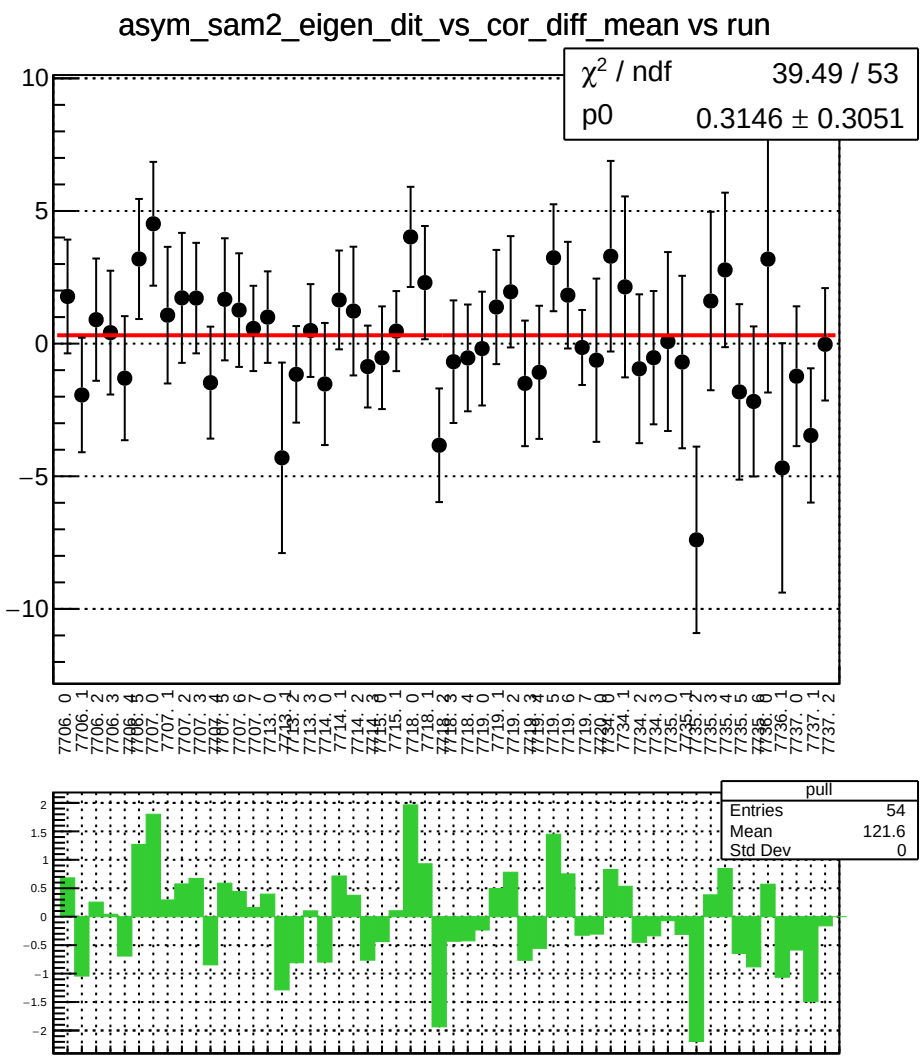

pull1D
Entries 54
Mean −0.03374
Std Dev 0.8545

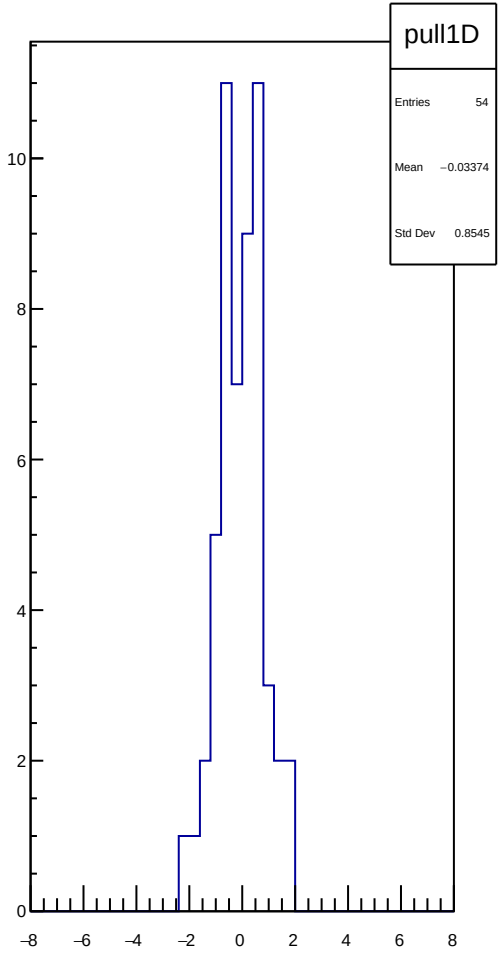

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.945e+04 / 53
p0 217.1 ± 0.2158
500
450
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

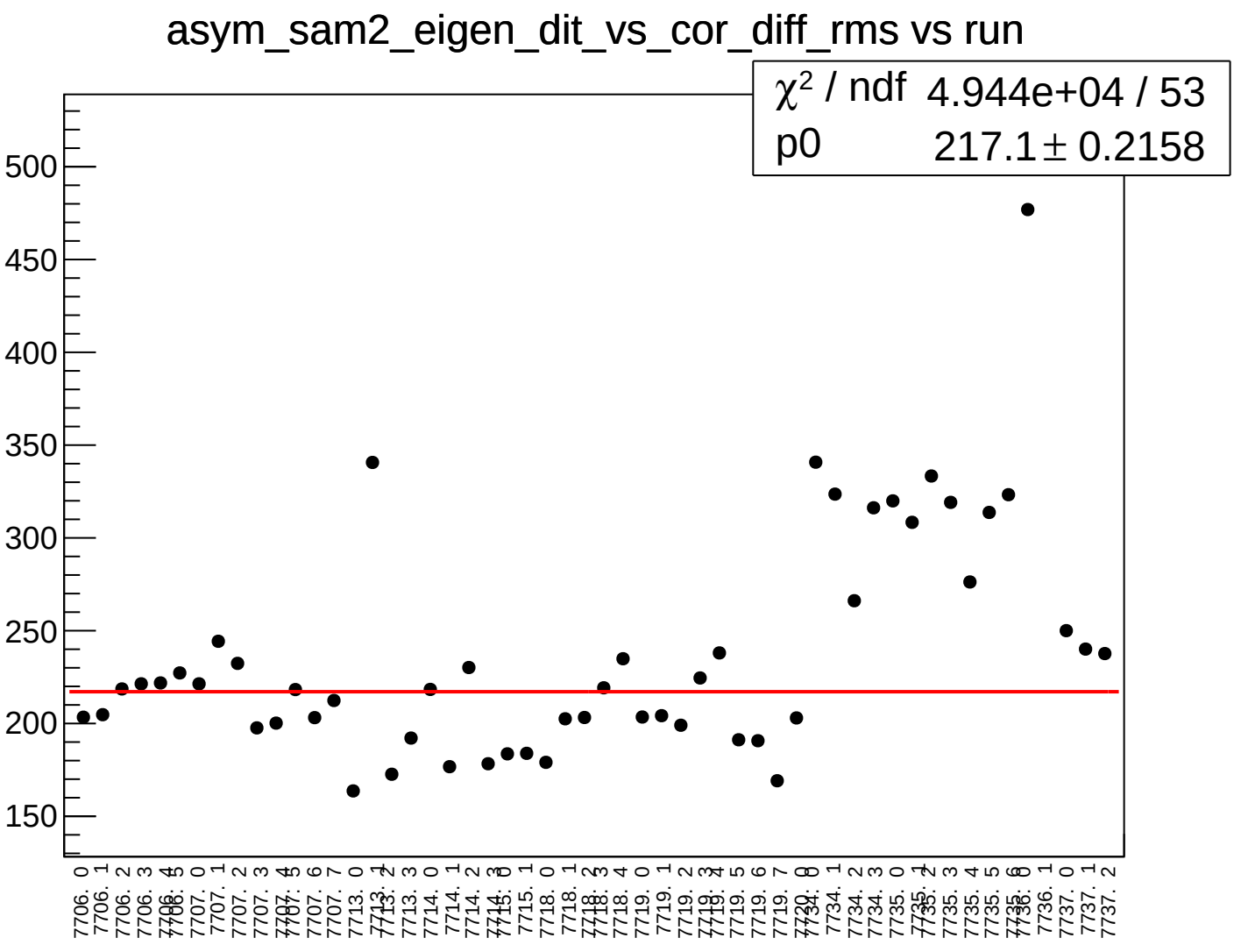

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.94 / 53
p0 1.709e−05 ± 1.495e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 94.71
Std Dev 0
2
1
0
−1
−2

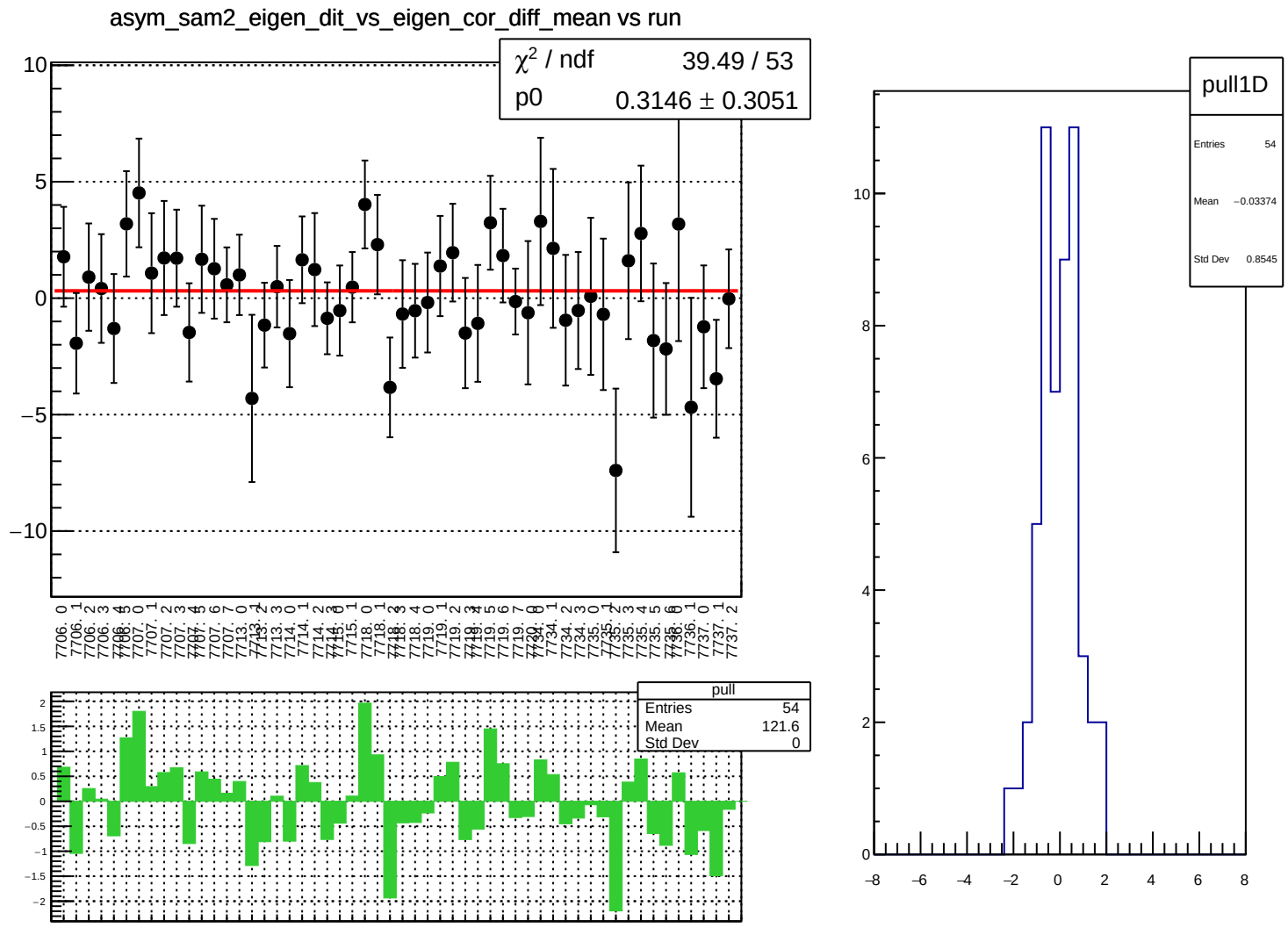

pull1D
Entries 54
Mean −0.0414
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

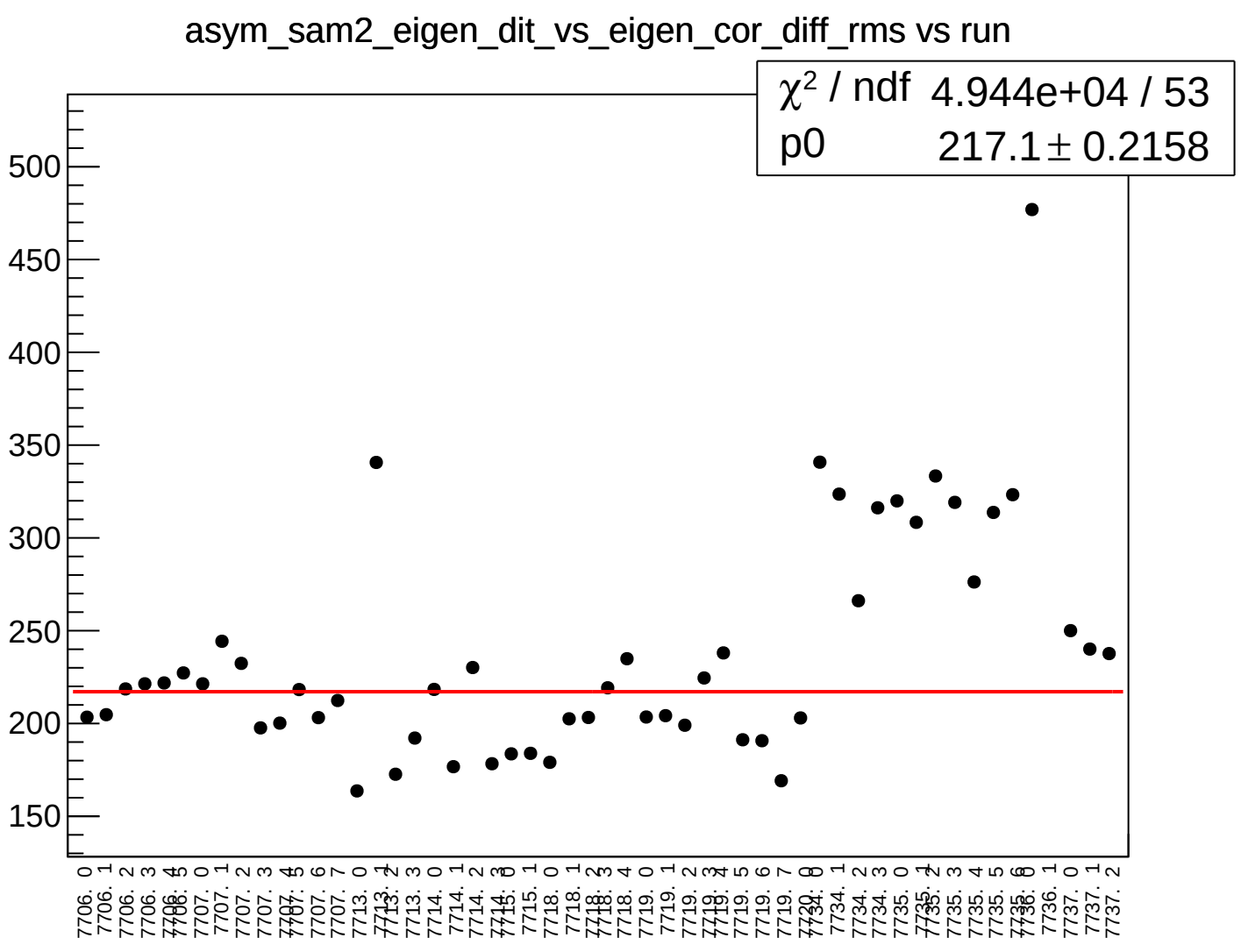

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.734e+04 / 53
p0 0.0108 ± 1.057e−05
0.013
0.012
0.011
0.01
0.009
0.008

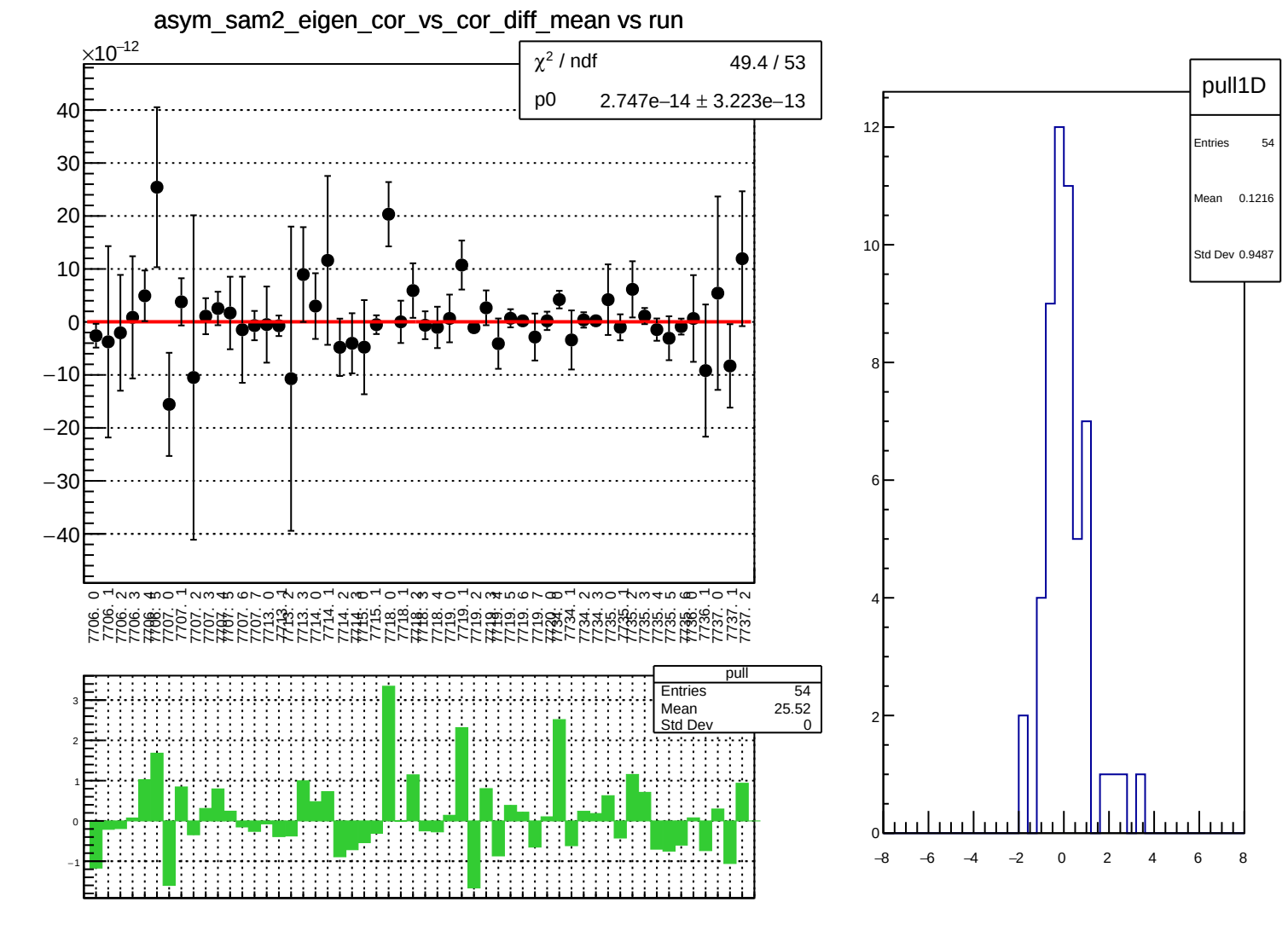

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.49 / 53
p0 0.3146 ± 0.3051
pull
Entries 54
Mean 121.6
Std Dev 0

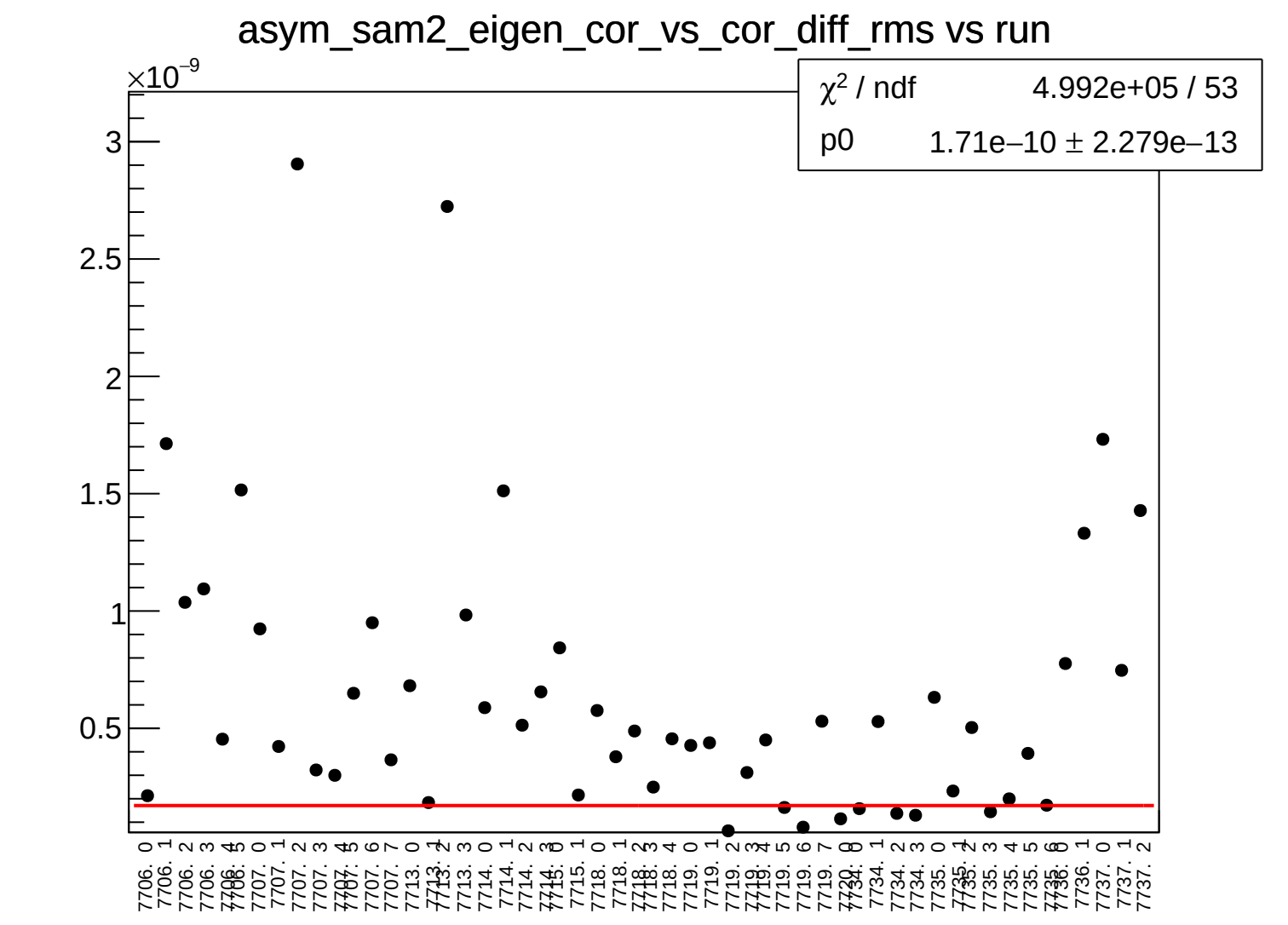

pull1D
Entries 54
Mean −0.03374
Std Dev 0.8545

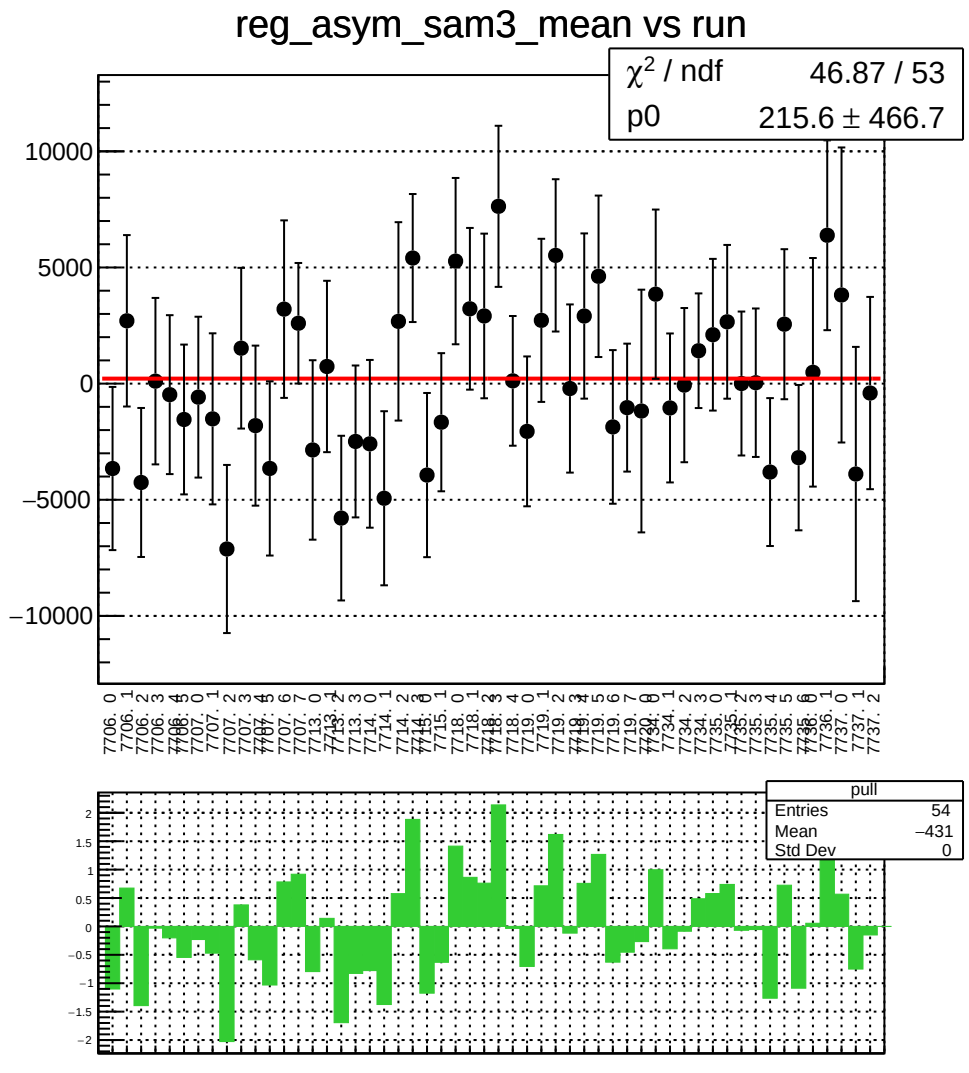

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.944e+04 / 53
p0 217.1 ± 0.2158
500
450
400
350
300
250
200
150

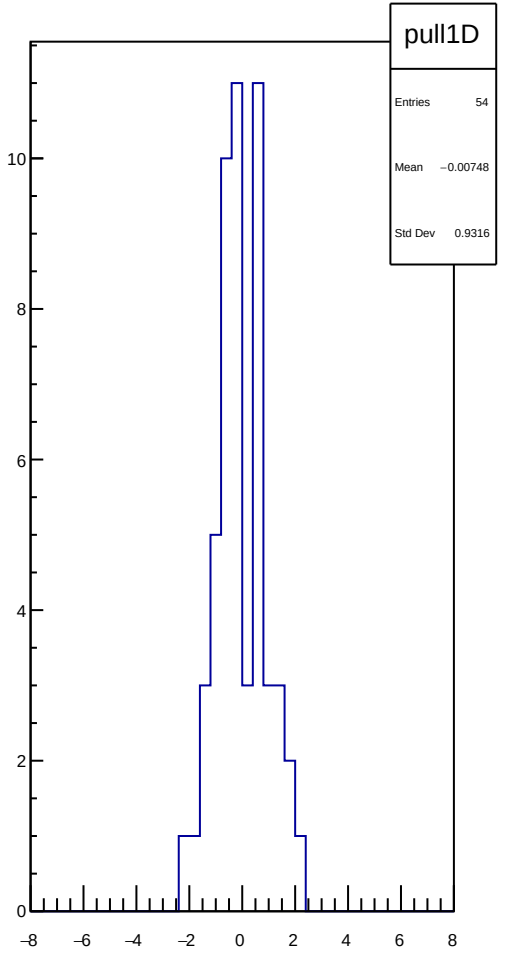

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.49 / 53
p0 0.3146 ± 0.3051
pull
Entries 54
Mean 121.6
Std Dev 0
pull1D
Entries 54
Mean −0.03374
Std Dev 0.8545

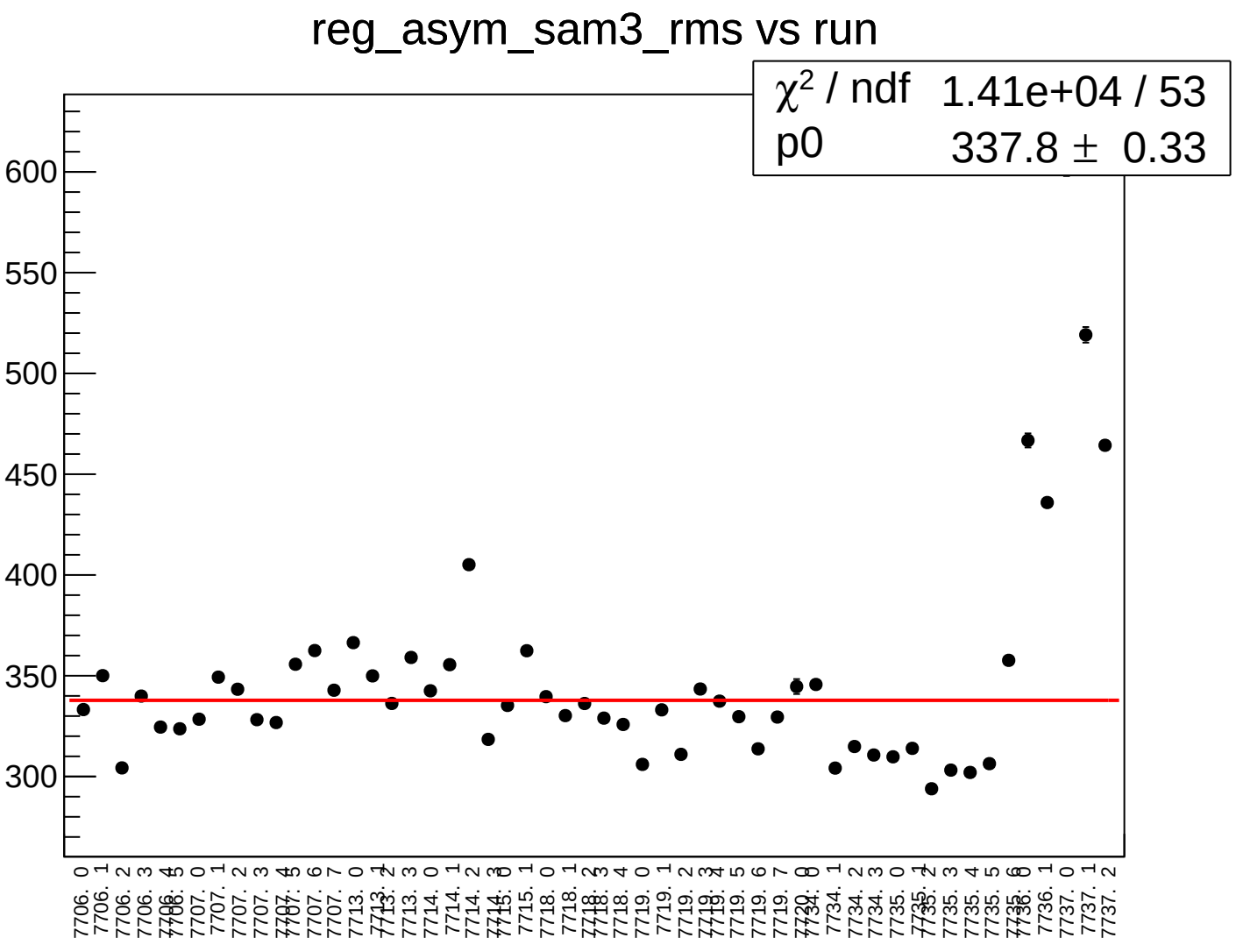

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.944e+04 / 53
p0 217.1 ± 0.2158
500
450
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

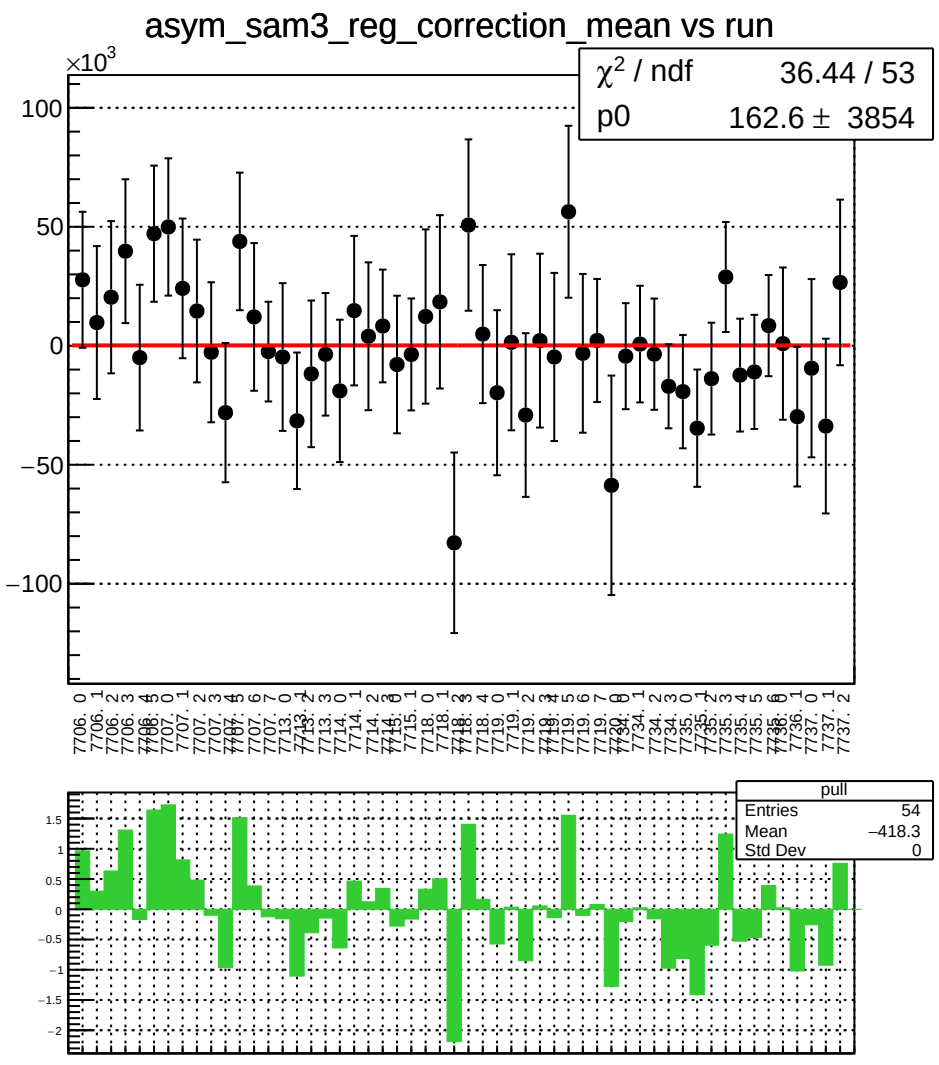

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.4 / 53
p0 2.747e−14 ± 3.223e−13
pull
Entries 54
Mean 25.52
Std Dev 0
pull1D
Entries 54
Mean 0.1216
Std Dev 0.9487

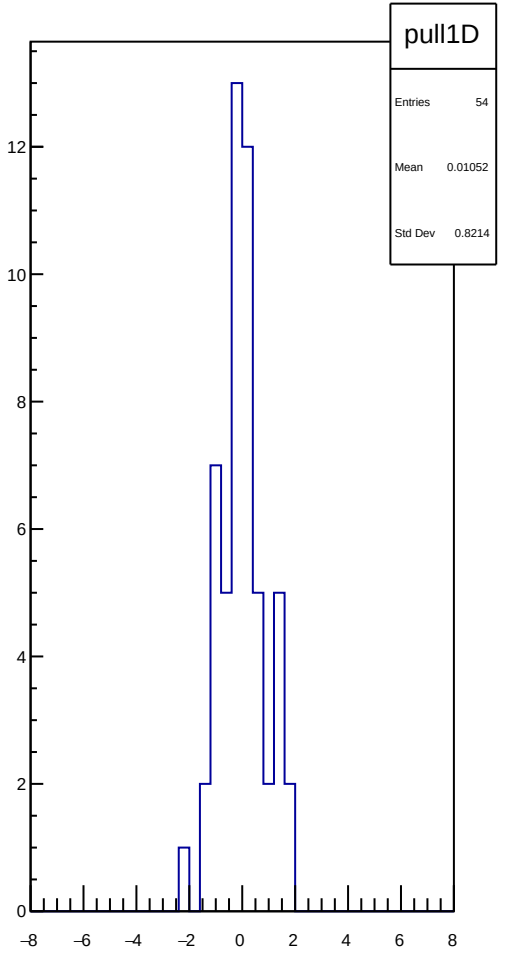

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.992e+05 / 53
p0 1.71e−10 ± 2.279e−13
3
2.5
2
1.5
1
0.5

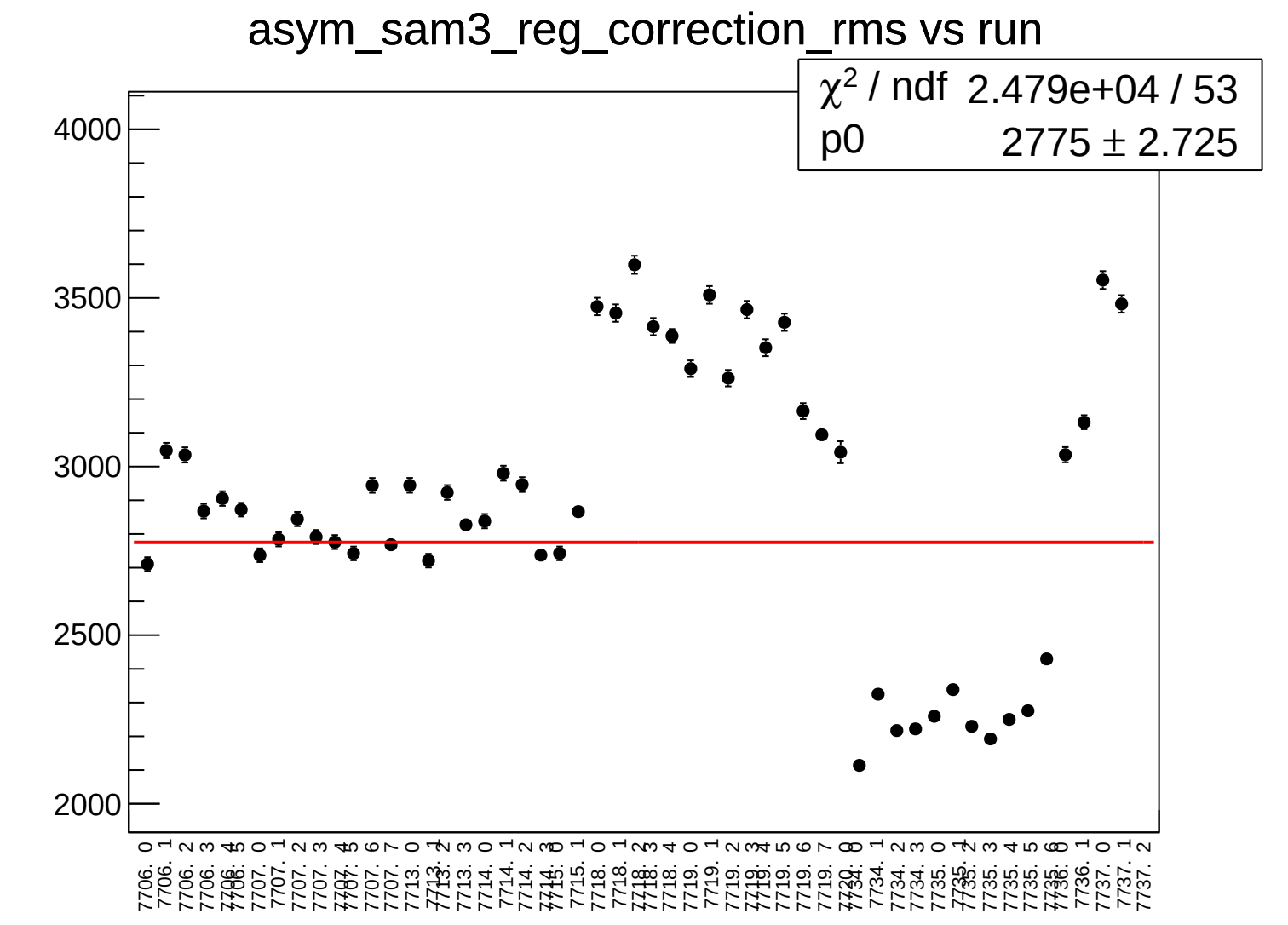

reg_asym_sam3_mean vs run
χ² / ndf 46.87 / 53
p0 215.6 ± 466.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −431
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

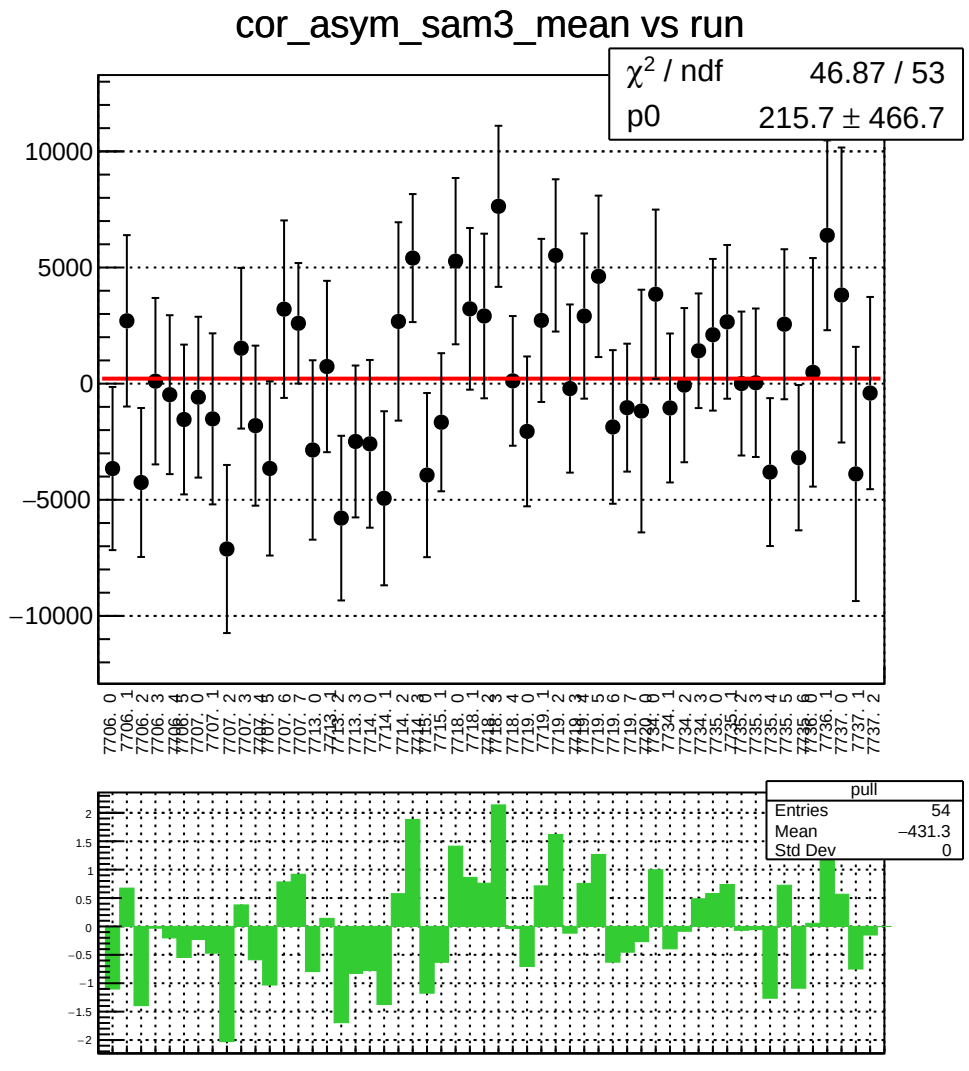

pull1D
Entries 54
Mean −0.00748
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

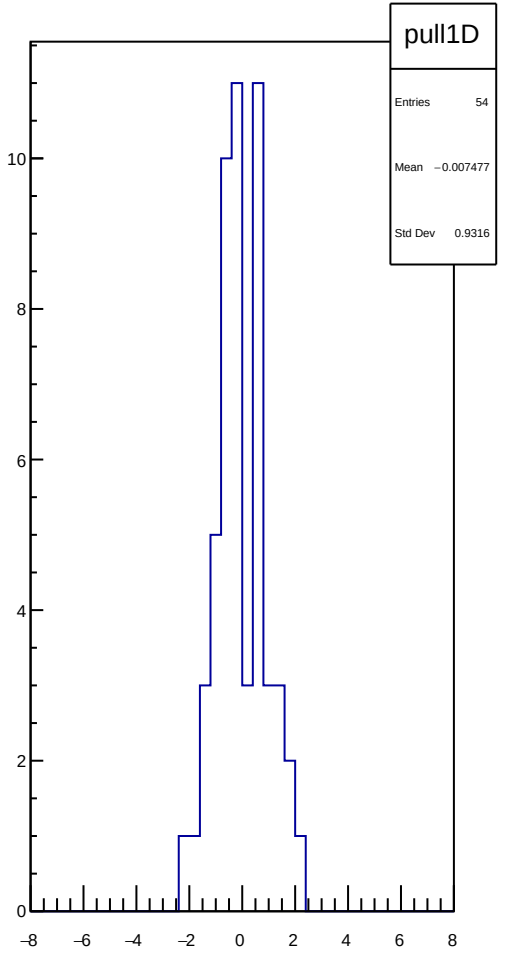

reg_asym_sam3_rms vs run
χ² / ndf 1.41e+04 / 53
p0 337.8 ± 0.33
600
550
500
450
400
350
300

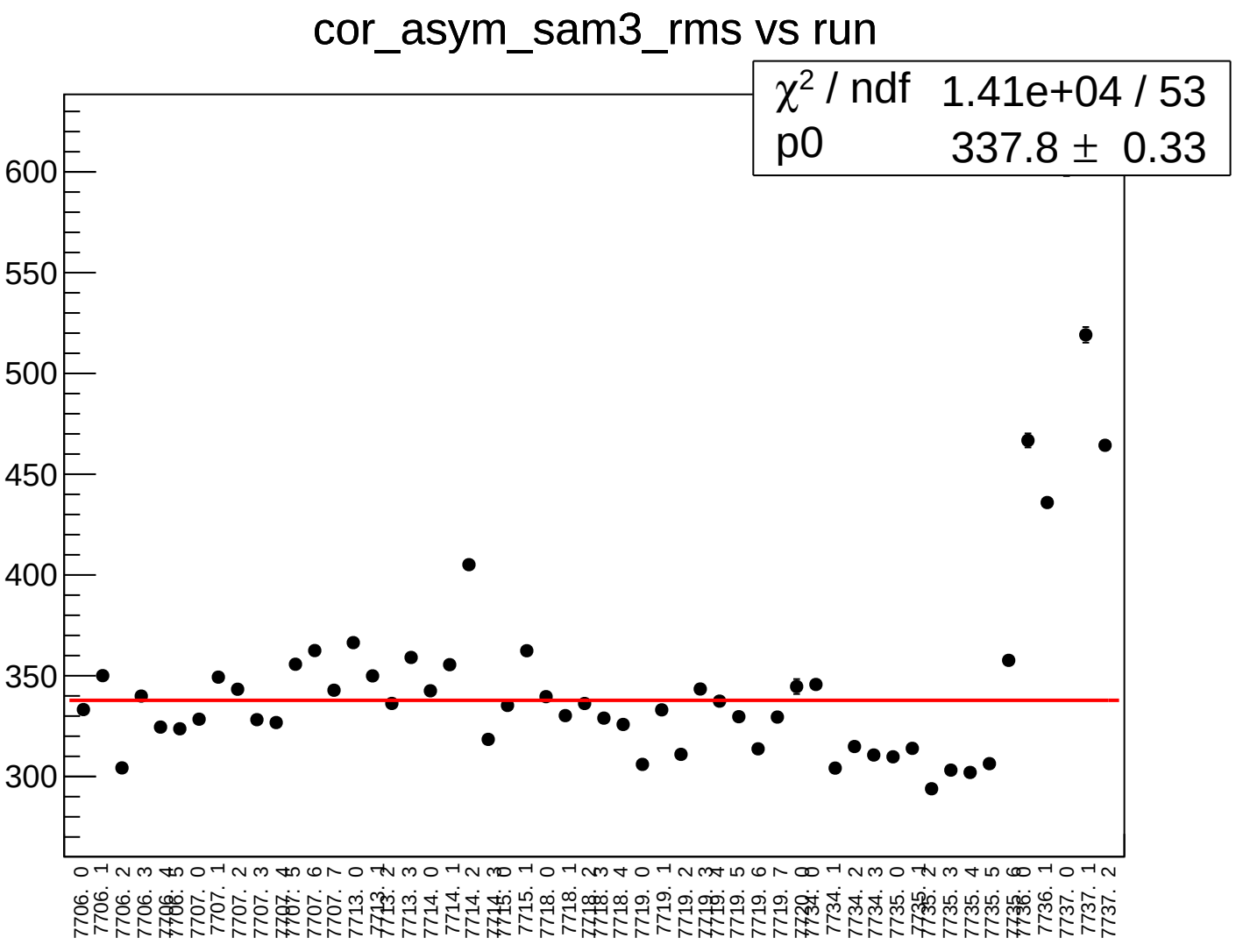

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 36.44 / 53
p0 162.6 ± 3854
100
50
0
−50
−100
pull
Entries 54
Mean −418.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

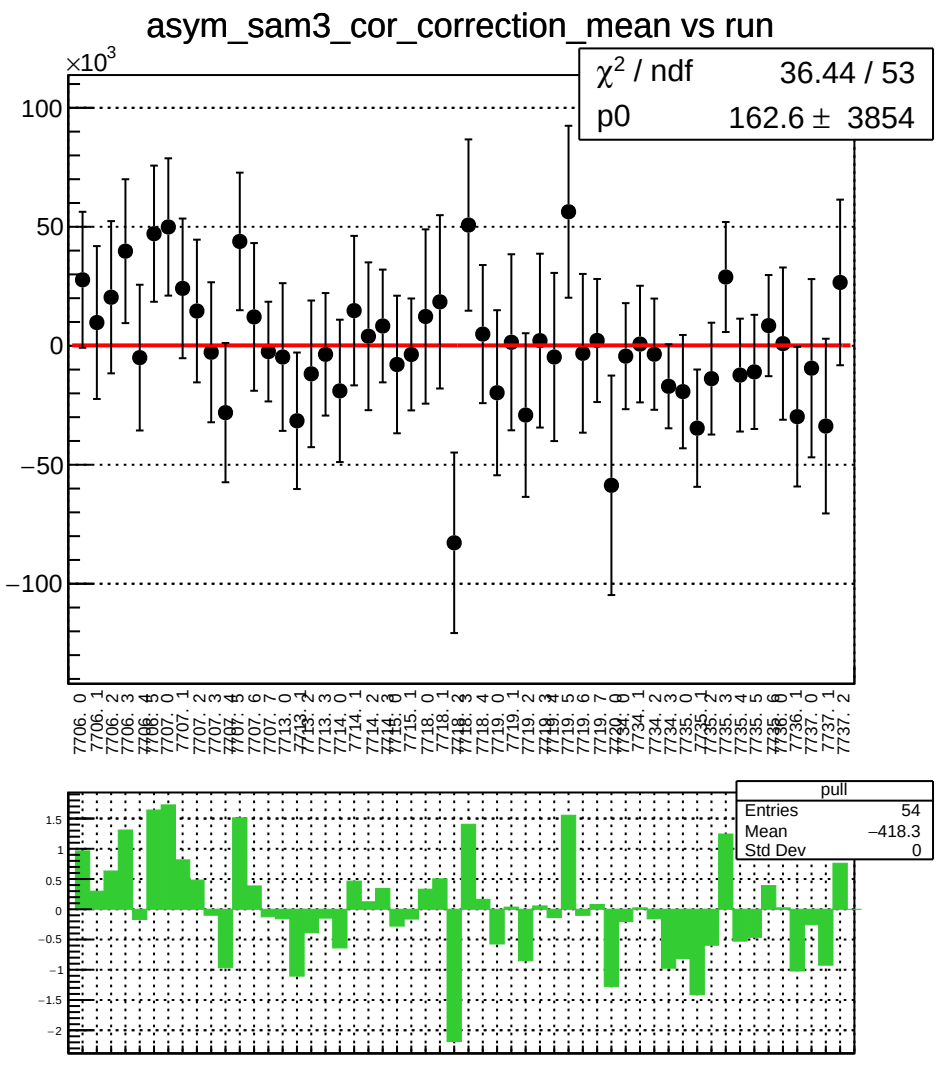

pull1D
Entries 54
Mean 0.01052
Std Dev 0.8214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

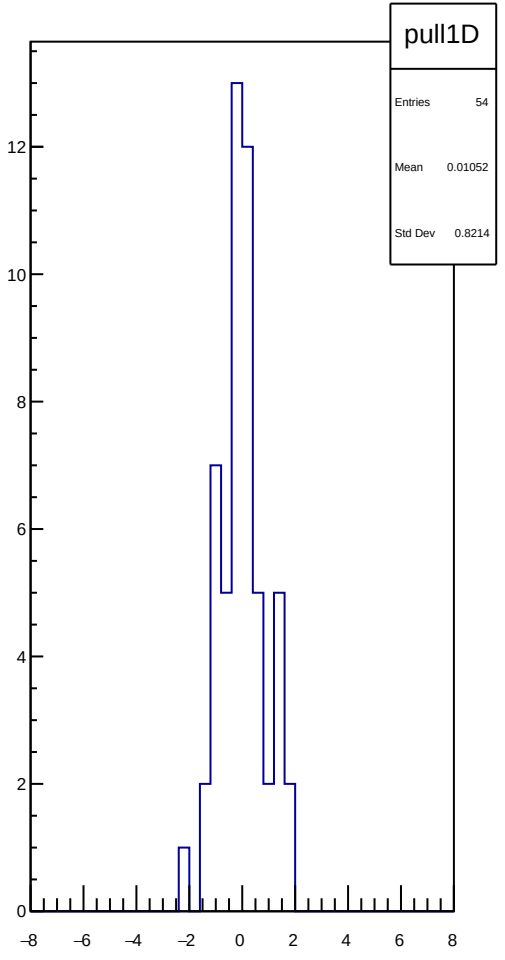

asym_sam3_reg_correction_rms vs run
χ² / ndf 2.479e+04 / 53
p0 2775 ± 2.725
4000
3500
3000
2500
2000

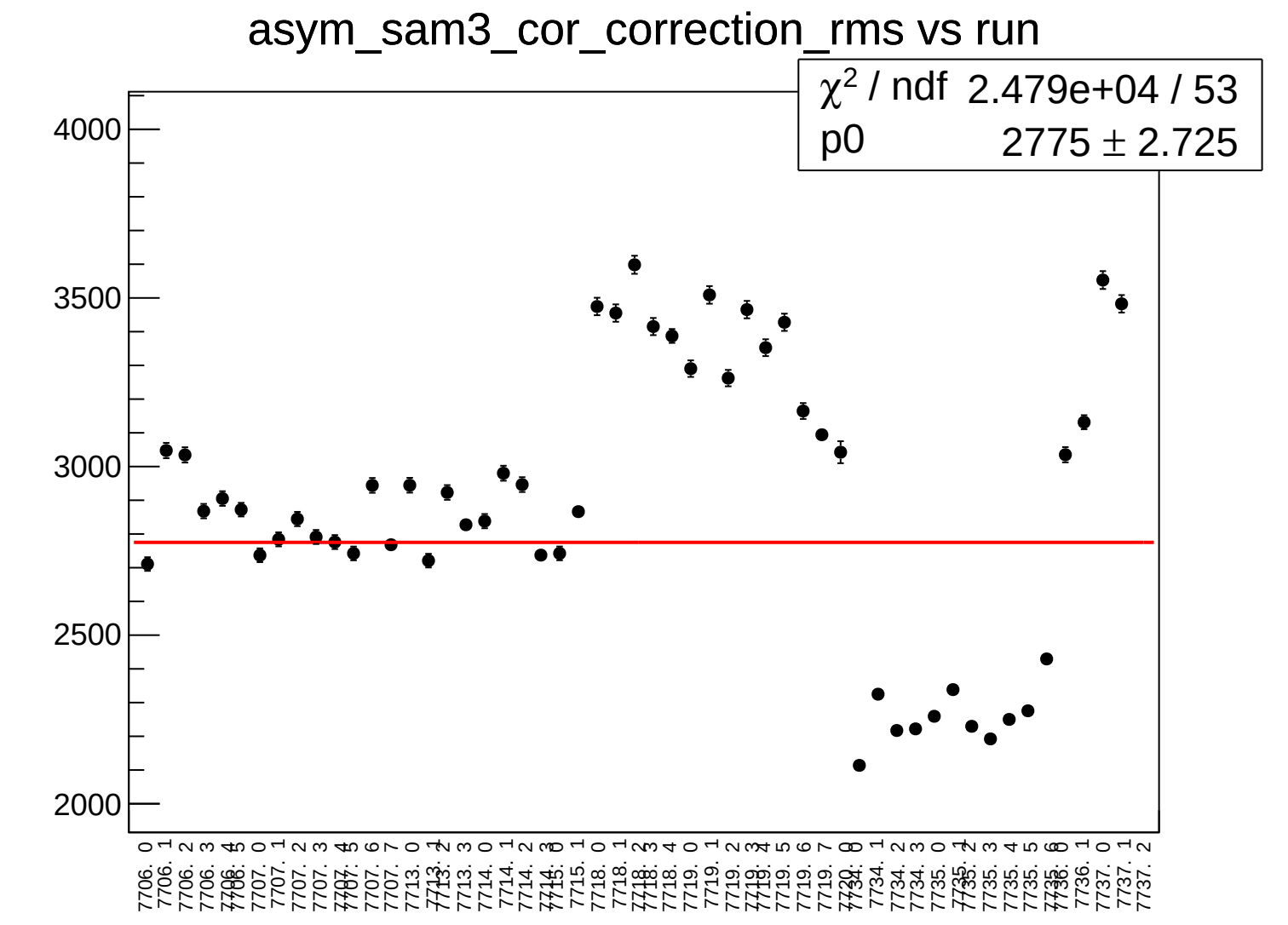

cor_asym_sam3_mean vs run
χ² / ndf 46.87 / 53
p0 215.7 ± 466.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −431.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

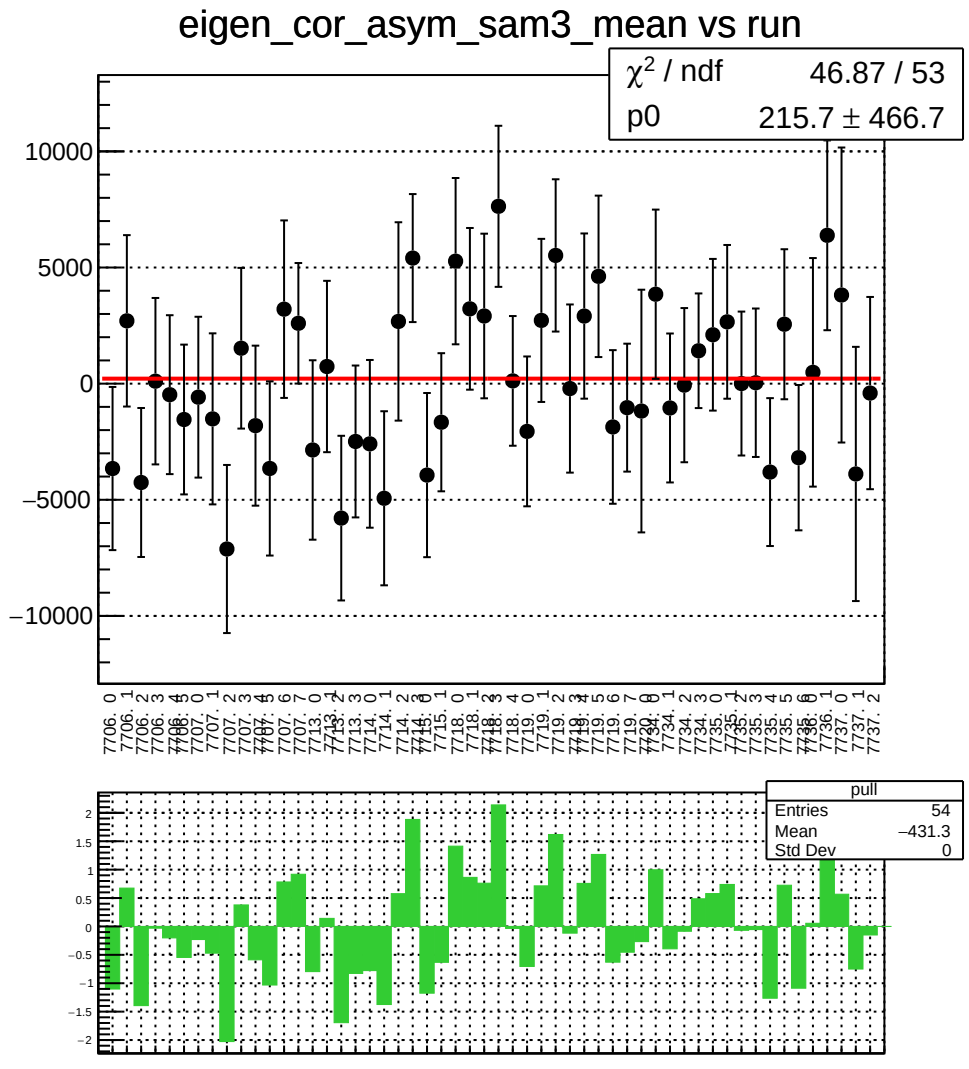

pull1D
Entries 54
Mean −0.007477
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

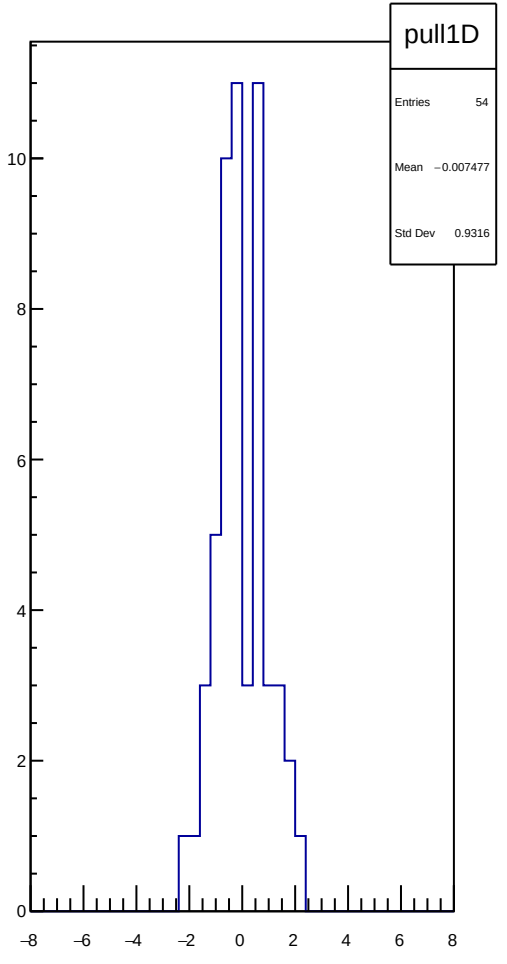

cor_asym_sam3_rms vs run
χ² / ndf 1.41e+04 / 53
p0 337.8 ± 0.33
600
550
500
450
400
350
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

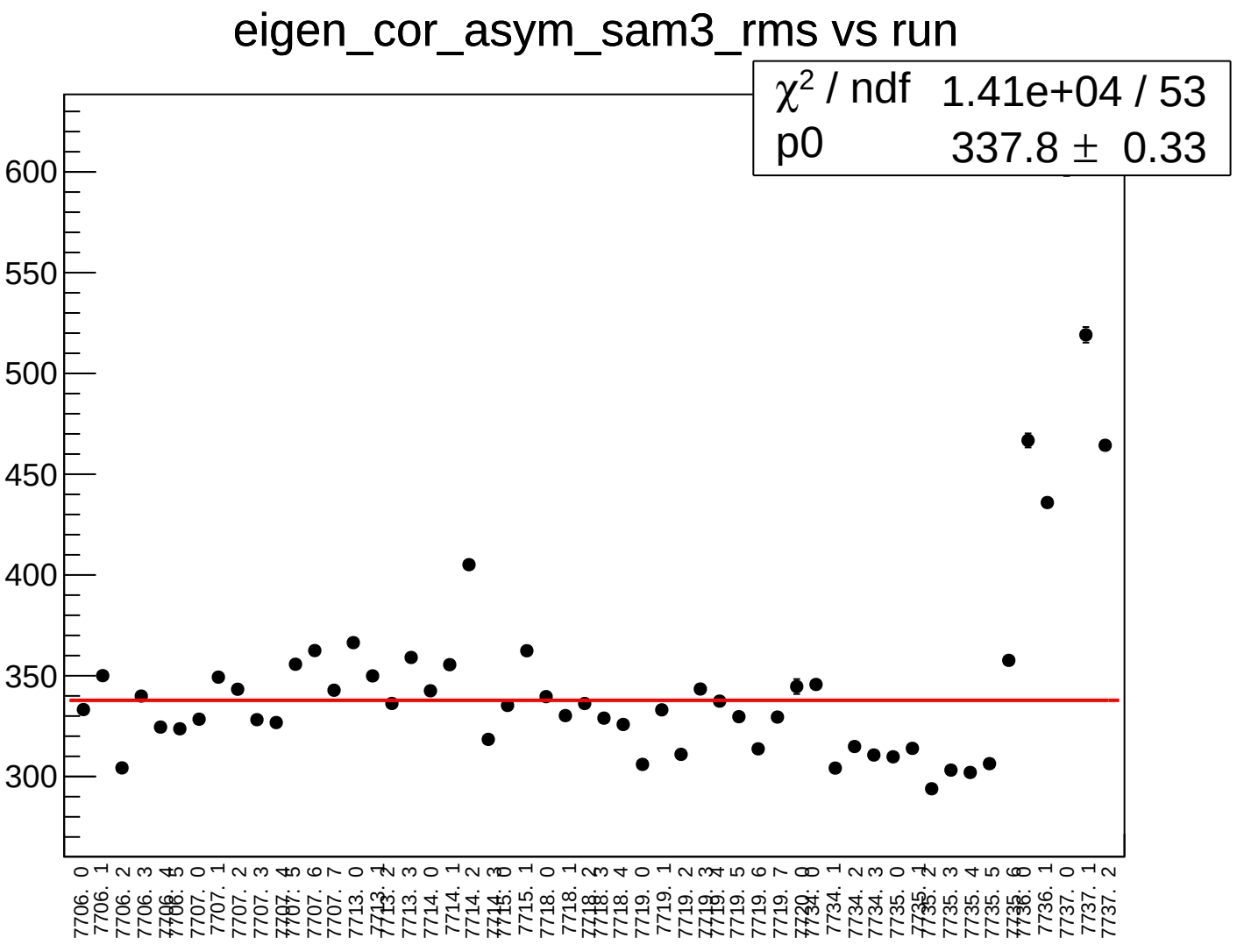

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 36.44 / 53
p0 162.6 ± 3854
100
50
0
−50
−100
pull
Entries 54
Mean −418.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

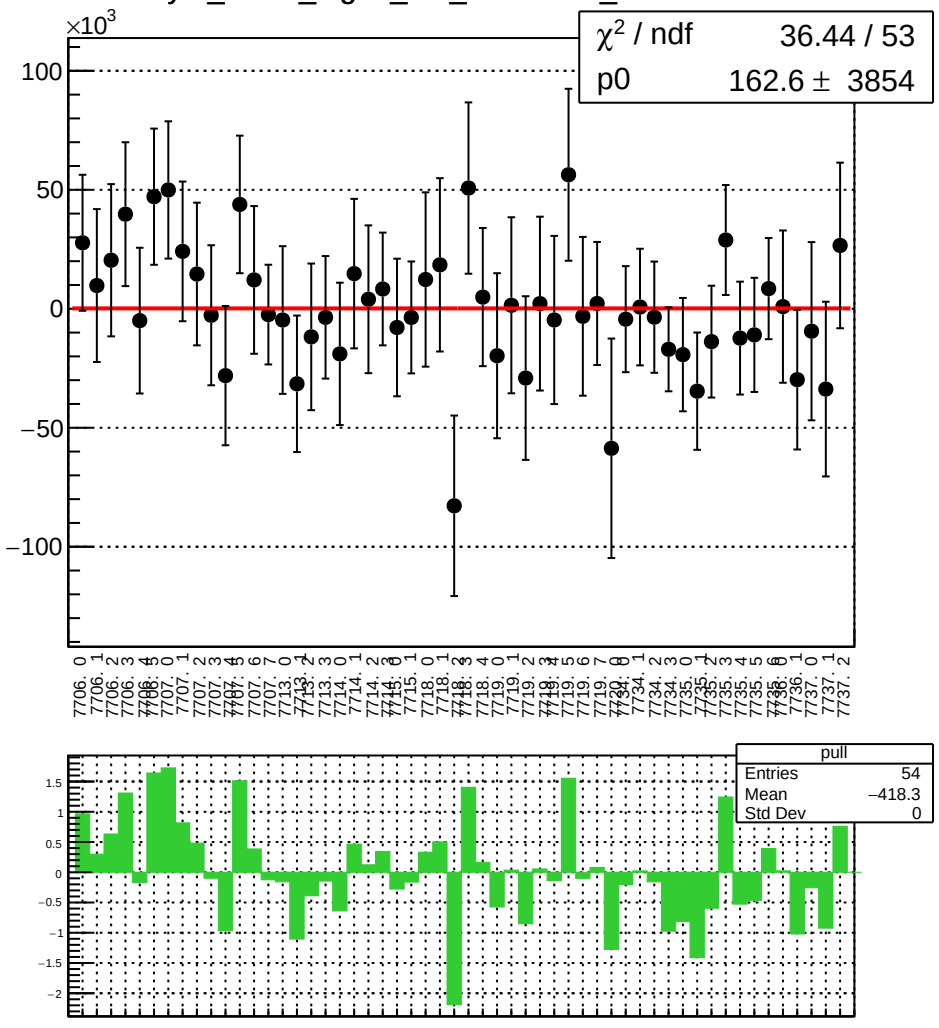

pull1D
Entries 54
Mean 0.01052
Std Dev 0.8214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

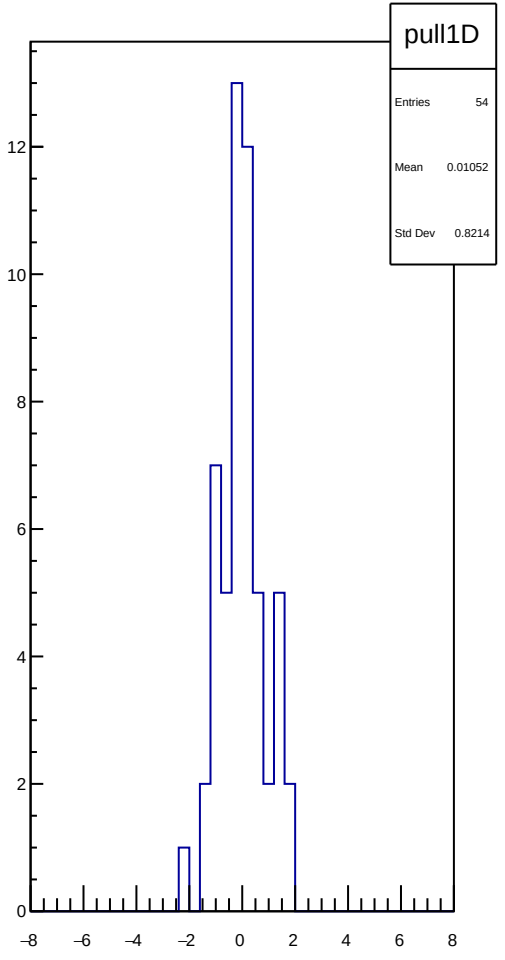

asym_sam3_cor_correction_rms vs run
χ² / ndf 2.479e+04 / 53
p0 2775 ± 2.725
4000
3500
3000
2500
2000

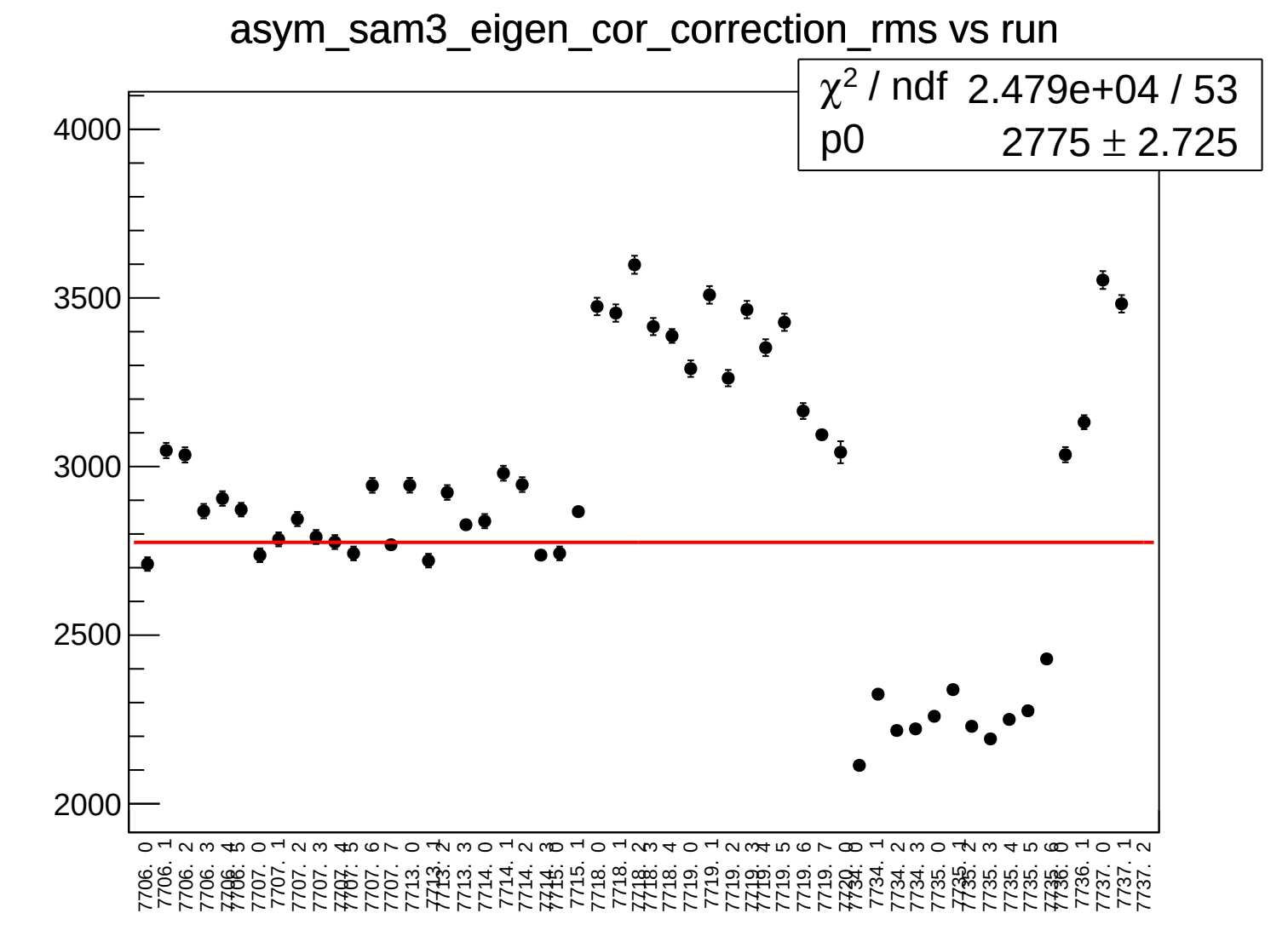

eigen_cor_asym_sam3_mean vs run
χ² / ndf 46.87 / 53
p0 215.7 ± 466.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −431.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

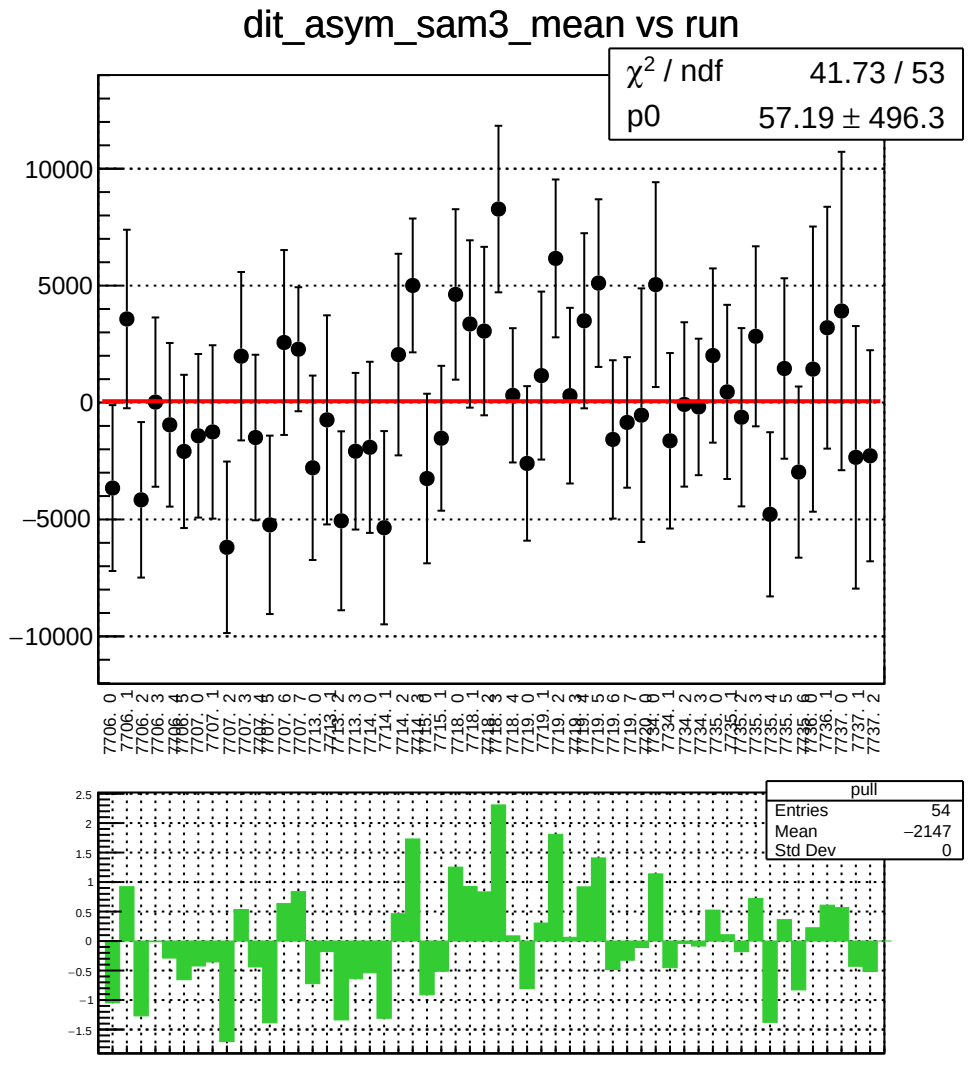

pull1D
Entries 54
Mean −0.007477
Std Dev 0.9316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

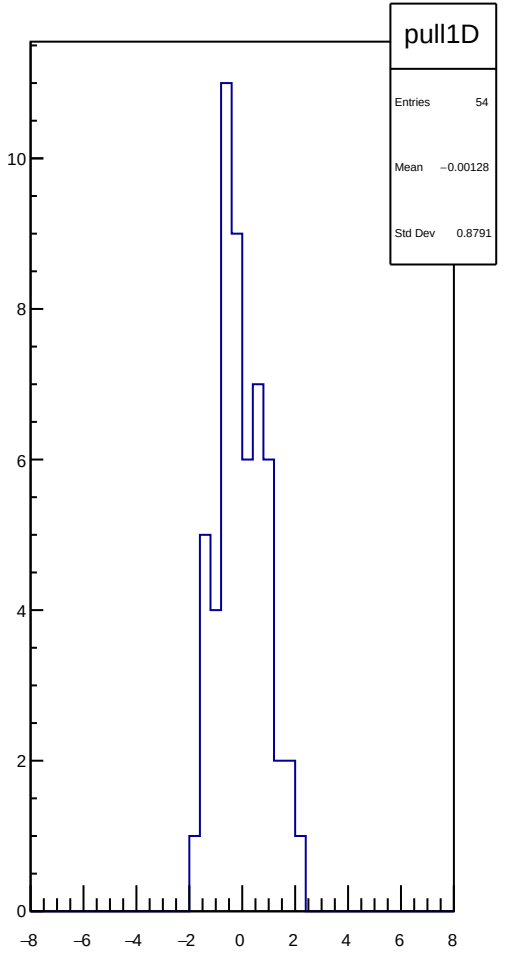

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.41e+04 / 53
p0 337.8 ± 0.33
600
550
500
450
400
350
300

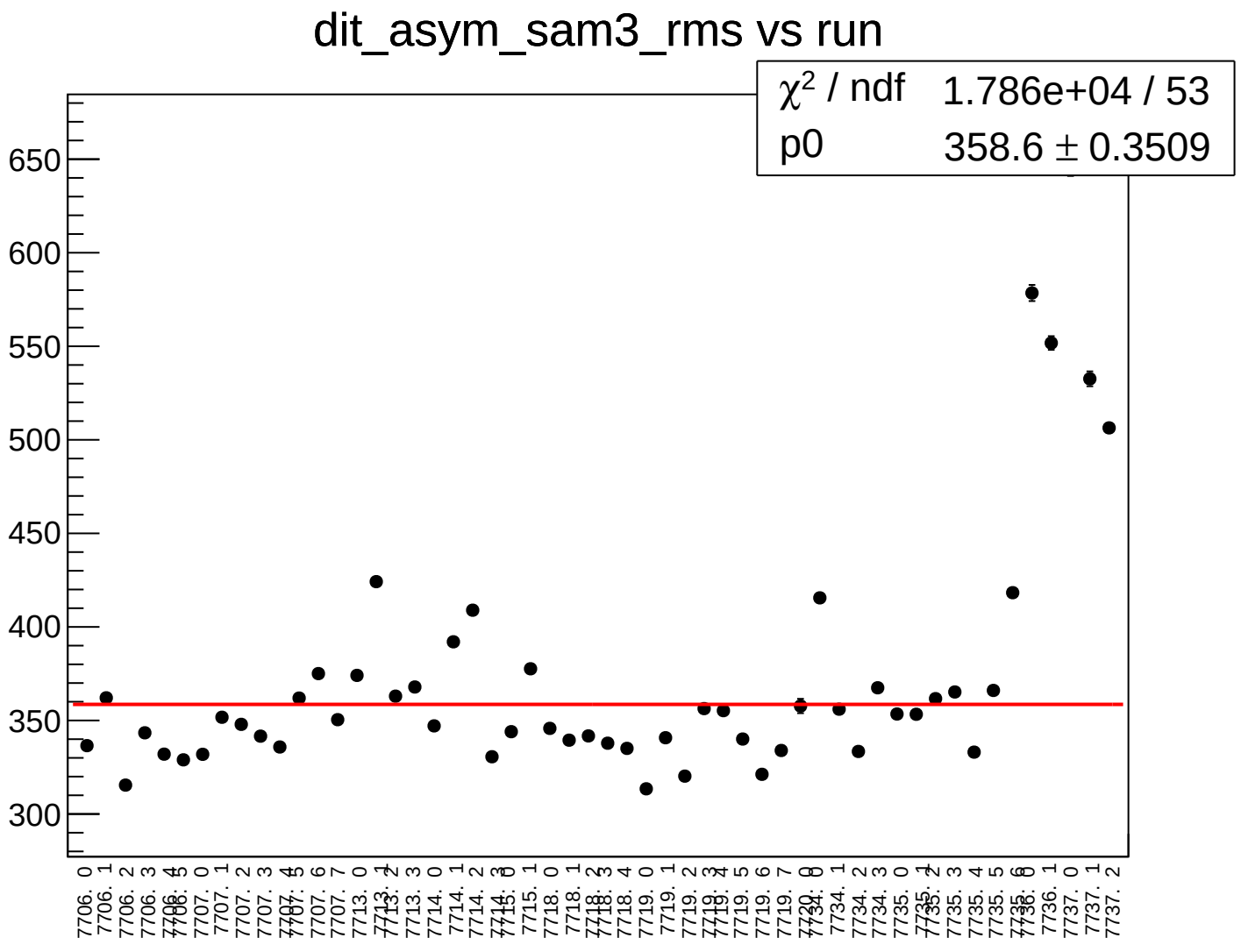

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.44 / 53
p0 162.6 ± 3854
100
50
0
−50
−100
pull
Entries 54
Mean −418.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

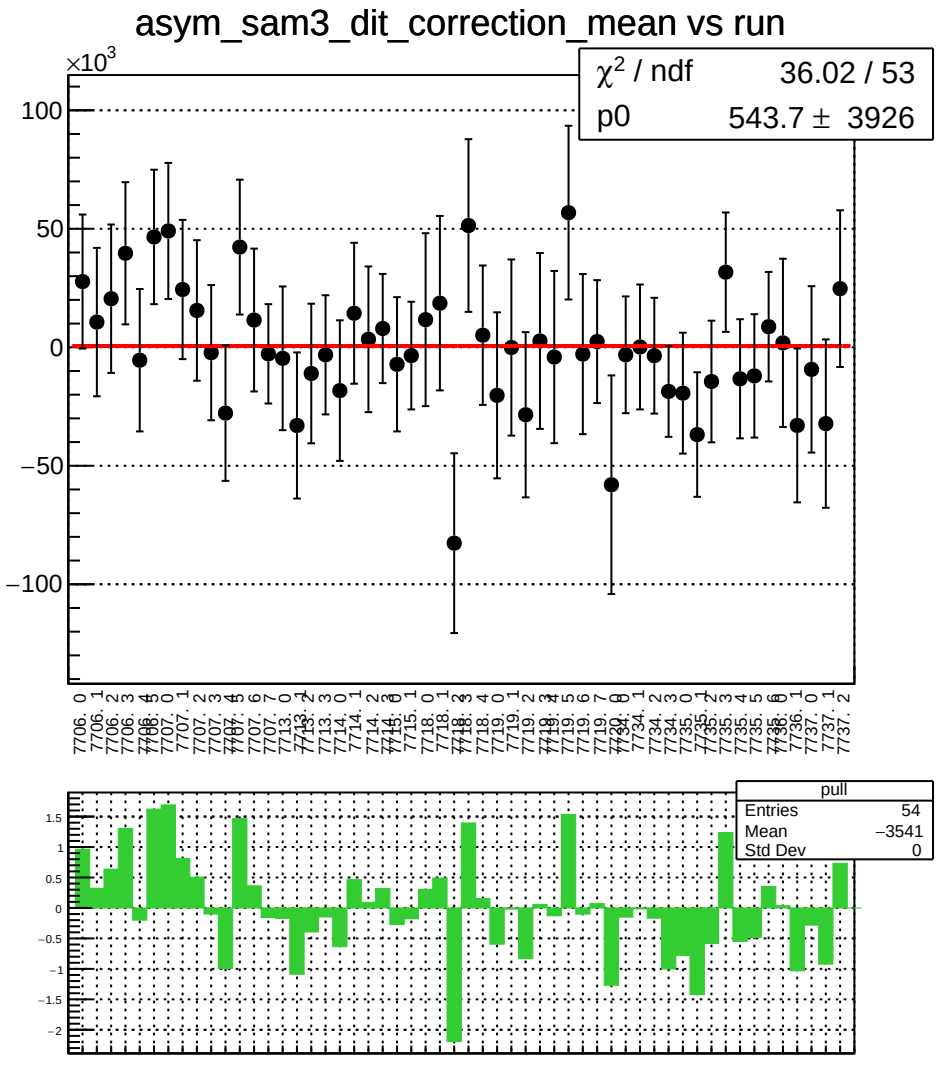

pull1D
Entries 54
Mean 0.01052
Std Dev 0.8214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

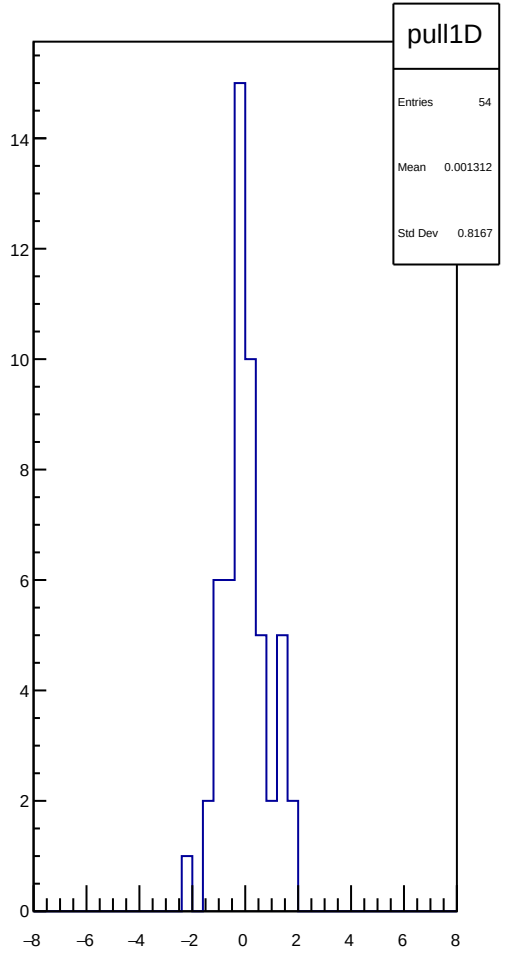

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 2.479e+04 / 53
p0 2775 ± 2.725
4000
3500
3000
2500
2000

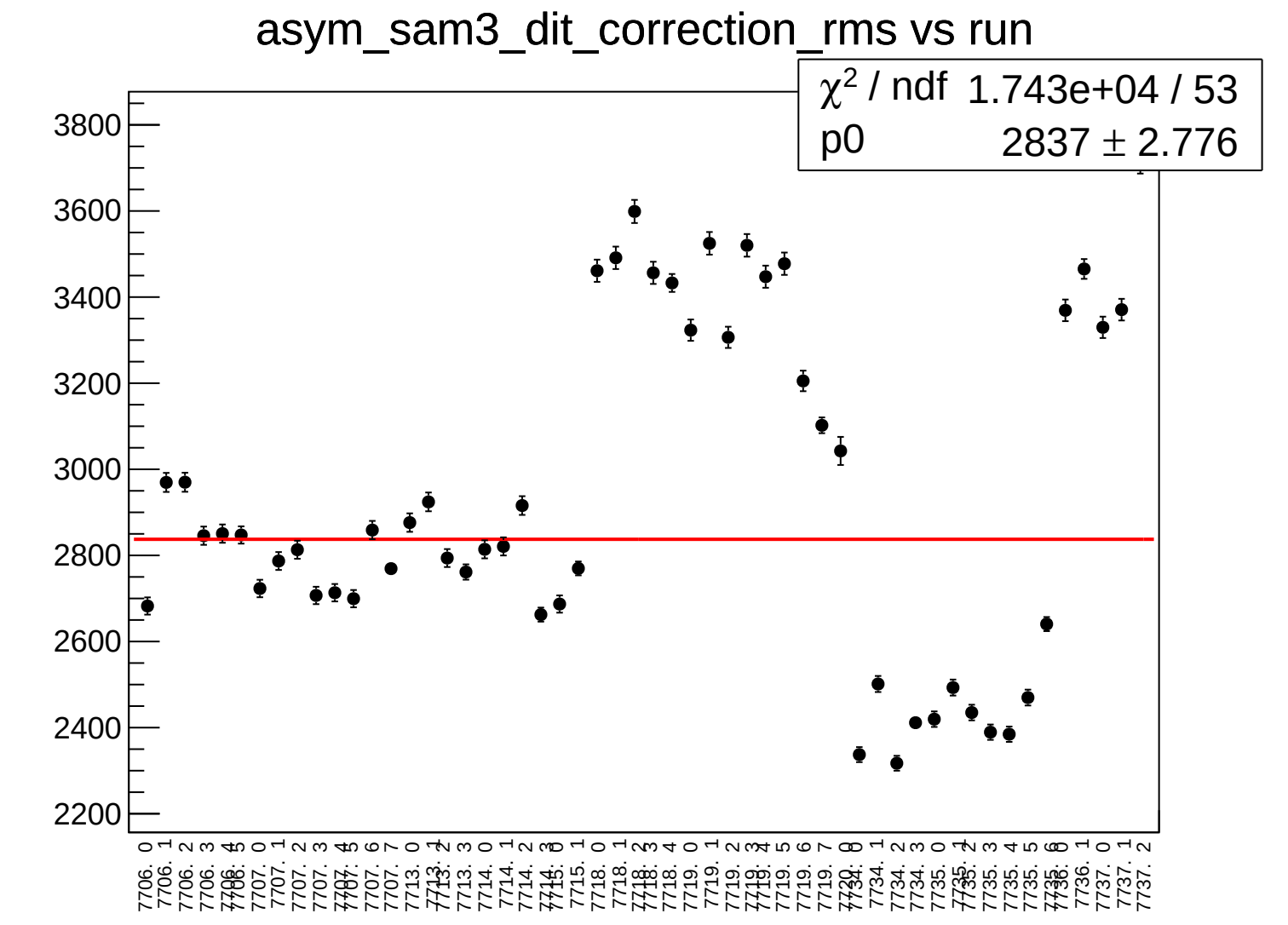

dit_asym_sam3_mean vs run
χ^2 / ndf 41.73 / 53
p0 57.19 ± 496.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −2147
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

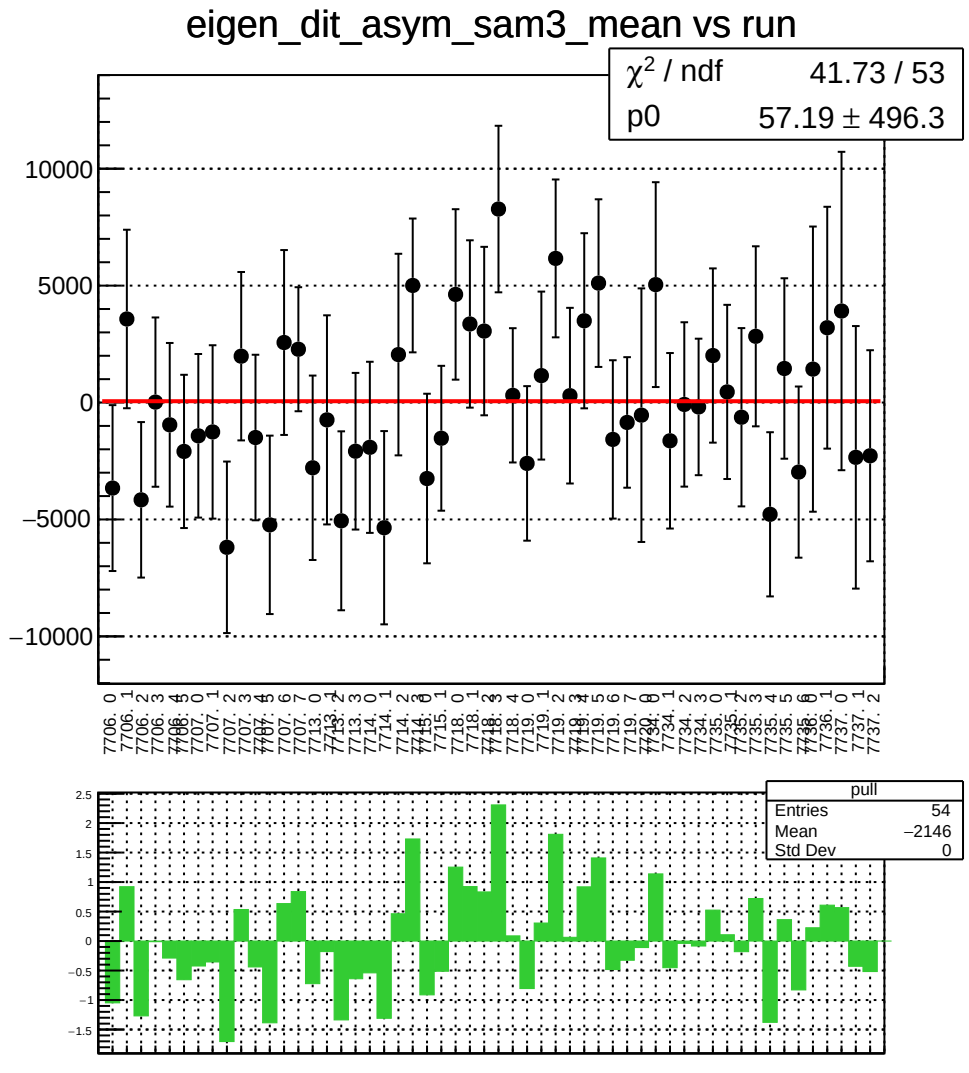

pull1D
Entries 54
Mean −0.00128
Std Dev 0.8791
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

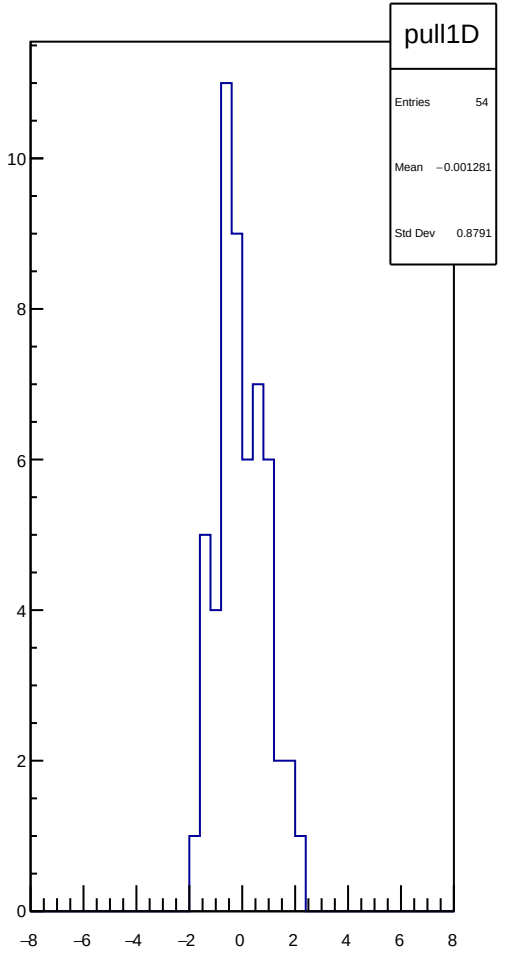

dit_asym_sam3_rms vs run
χ² / ndf 1.786e+04 / 53
p0 358.6 ± 0.3509
650
600
550
500
450
400
350
300

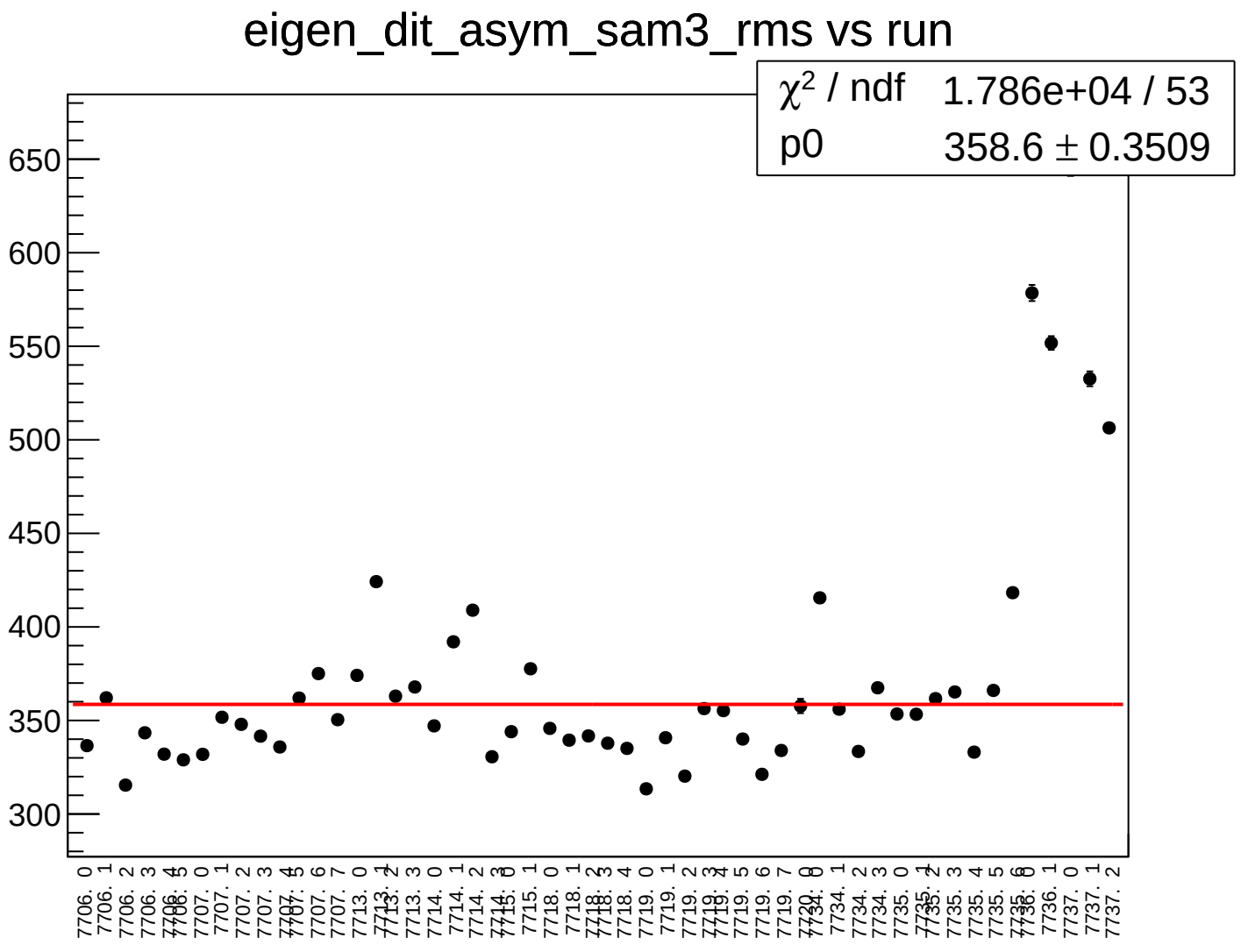

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 36.02 / 53
p0 543.7 ± 3926
100
50
0
−50
−100
pull
Entries 54
Mean −3541
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

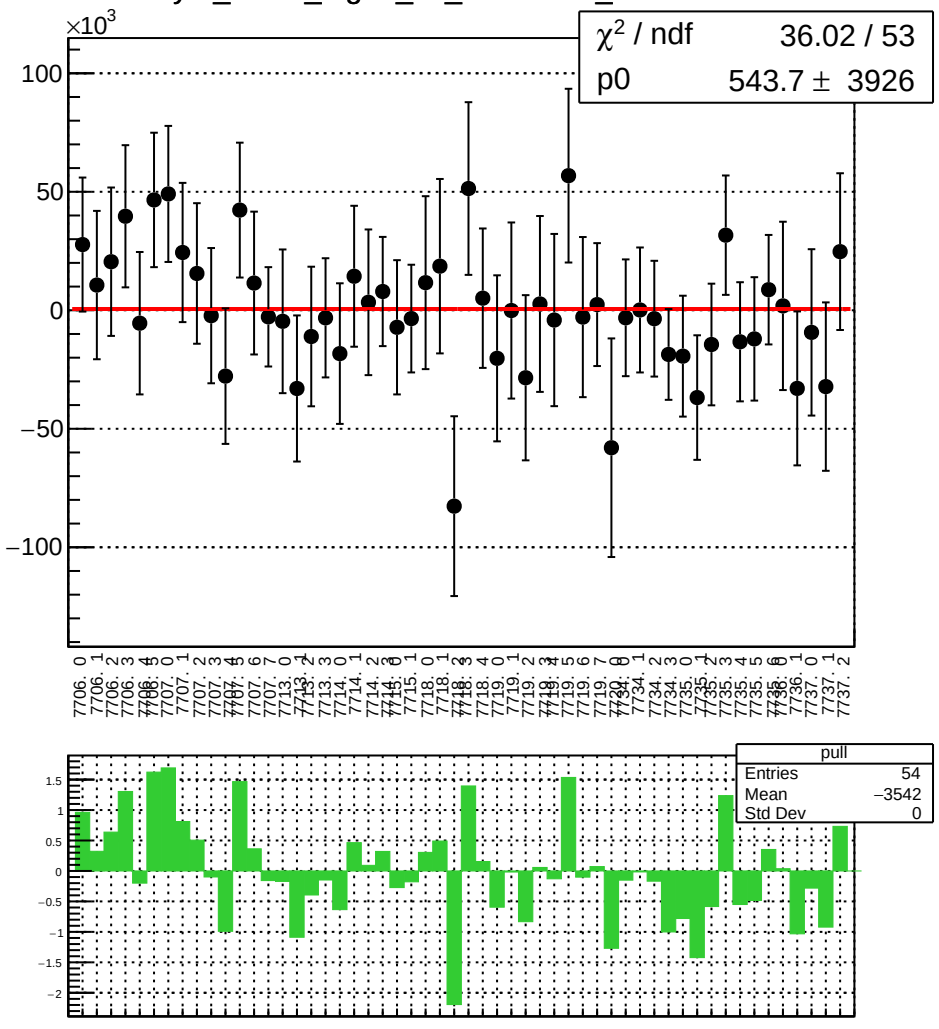

pull1D
Entries 54
Mean 0.001312
Std Dev 0.8167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

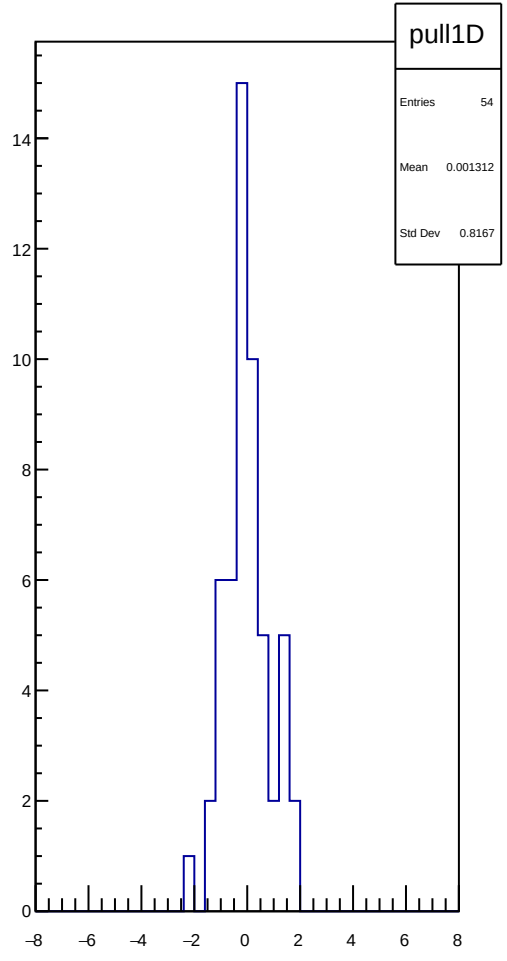

asym_sam3_dit_correction_rms vs run
χ² / ndf 1.743e+04 / 53
p0 2837 ± 2.776
3800
3600
3400
3200
3000
2800
2600
2400
2200

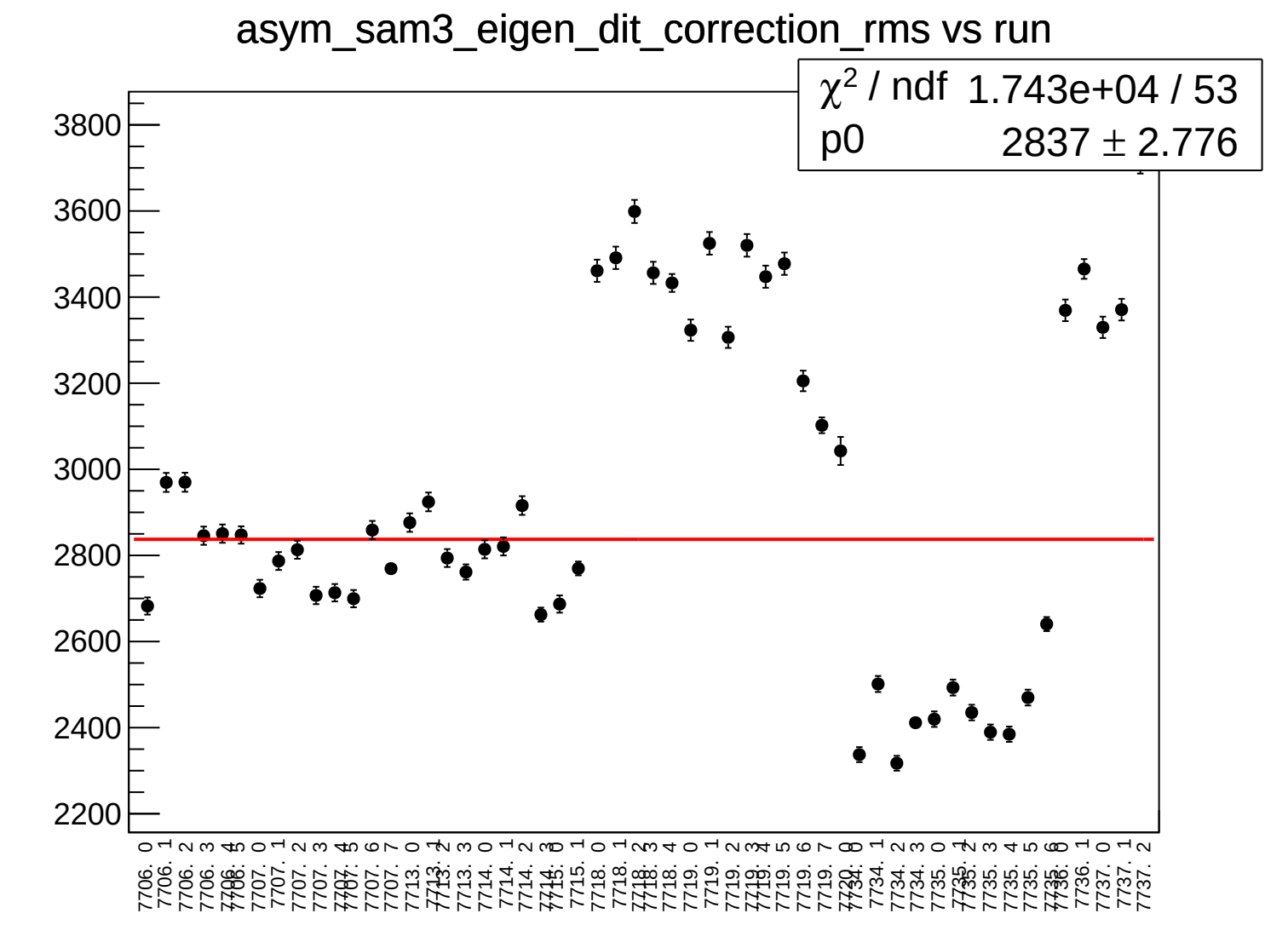

eigen_dit_asym_sam3_mean vs run
χ² / ndf 41.73 / 53
p0 57.19 ± 496.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −2146
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

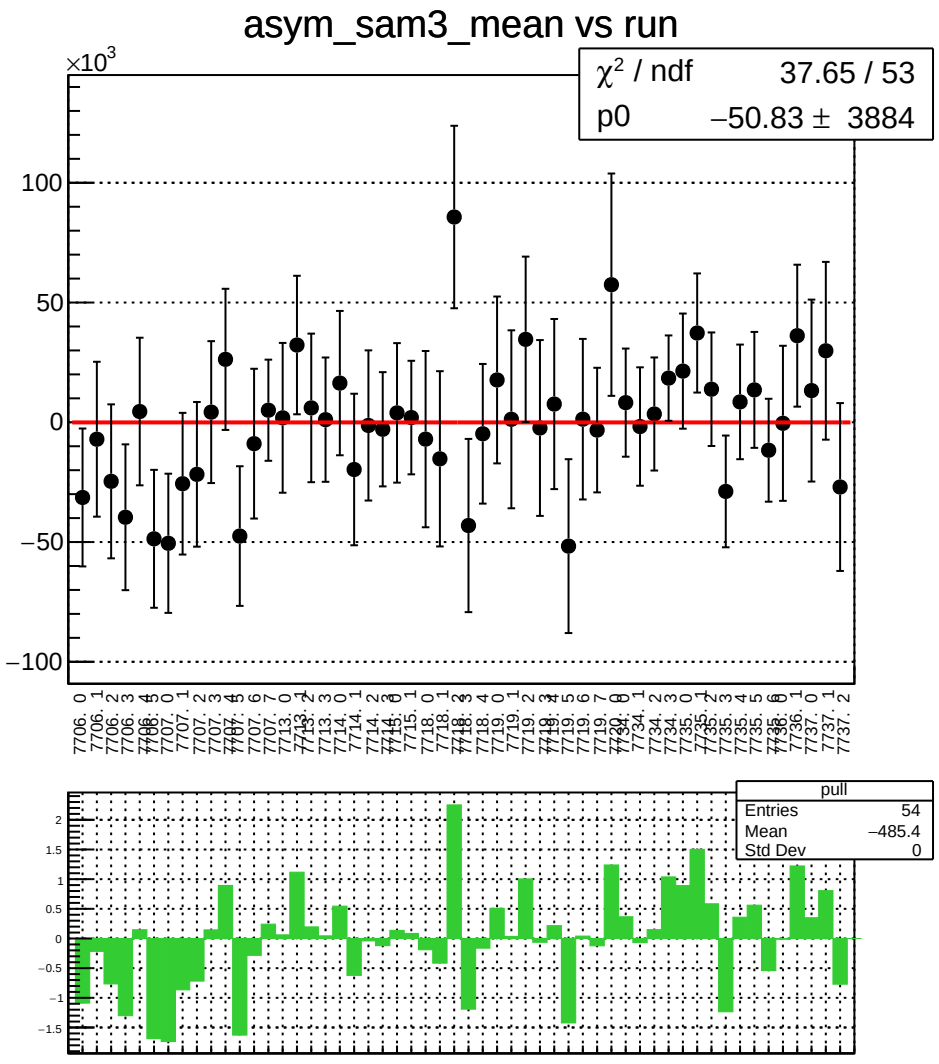

pull1D
Entries 54
Mean −0.001281
Std Dev 0.8791
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

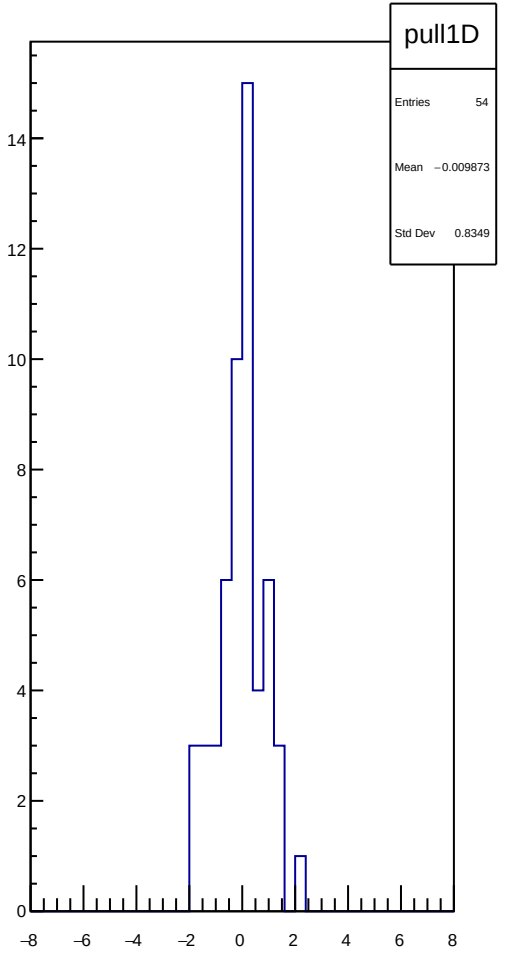

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.786e+04 / 53
p0 358.6 ± 0.3509
650
600
550
500
450
400
350
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

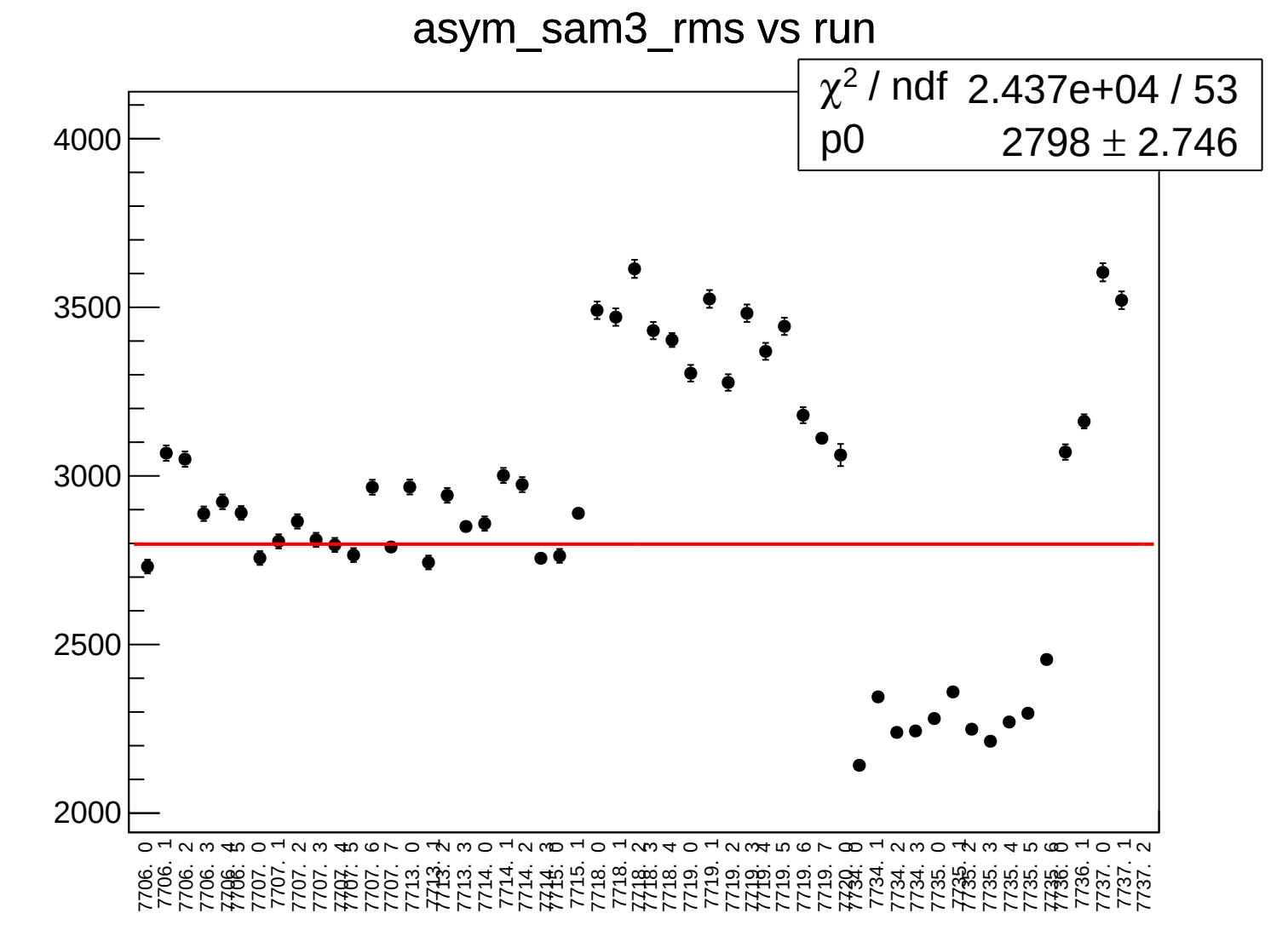

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.02 / 53
p0 543.7 ± 3926
100
50
0
−50
−100
pull
Entries 54
Mean −3542
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

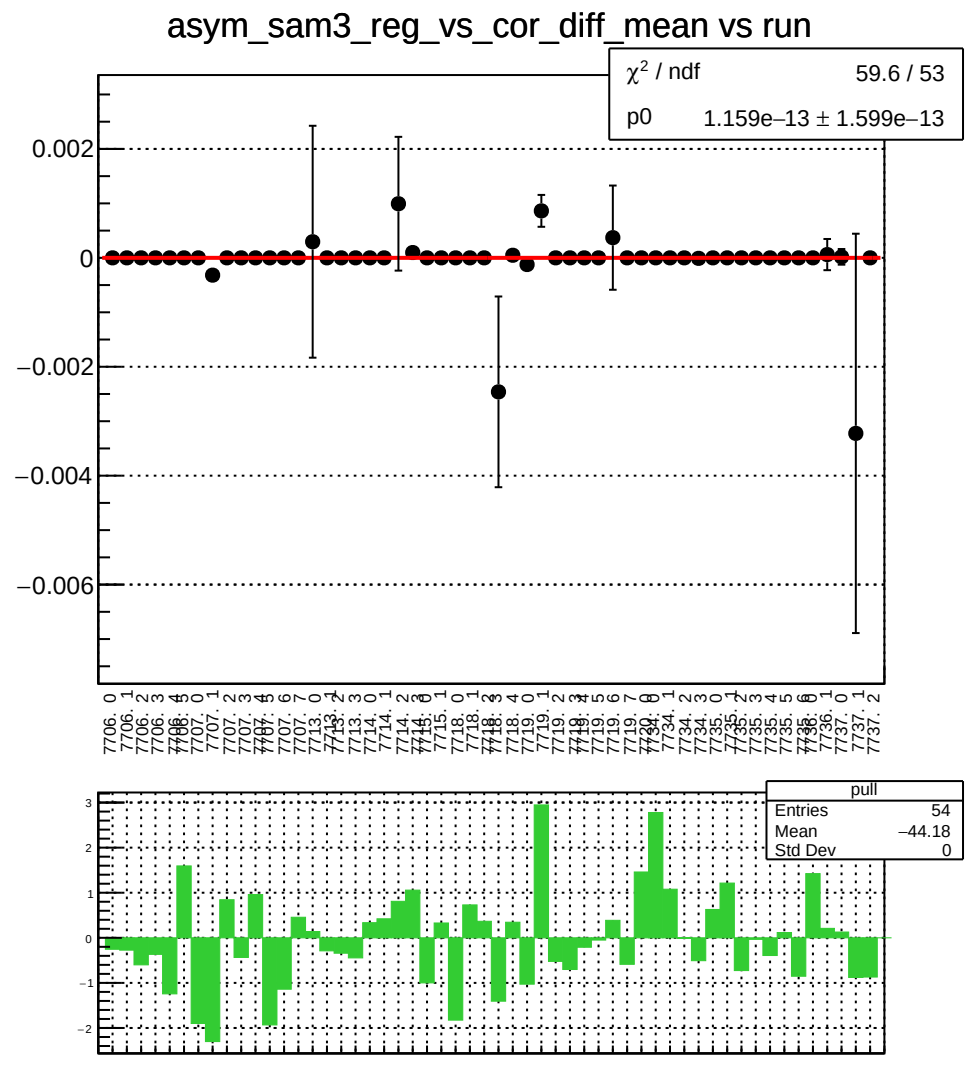

pull1D
Entries 54
Mean 0.001312
Std Dev 0.8167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

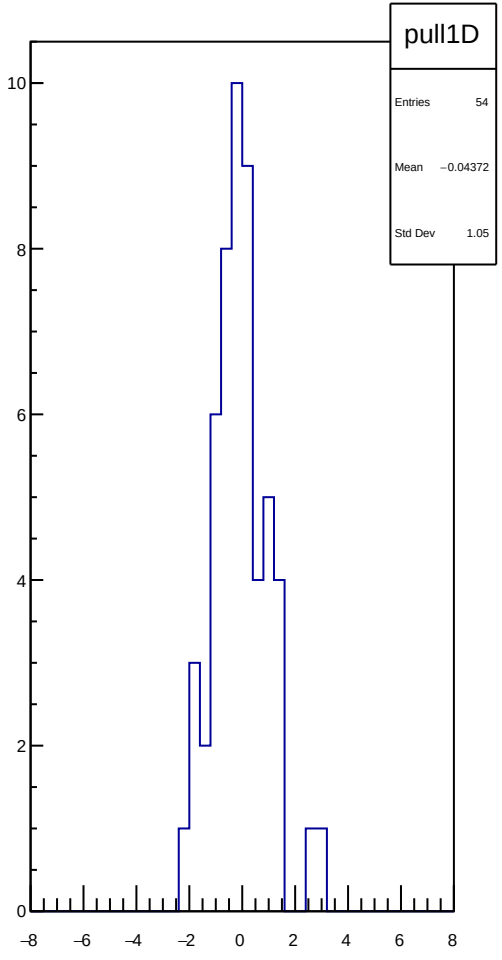

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 1.743e+04 / 53
p0 2837 ± 2.776
3800
3600
3400
3200
3000
2800
2600
2400
2200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

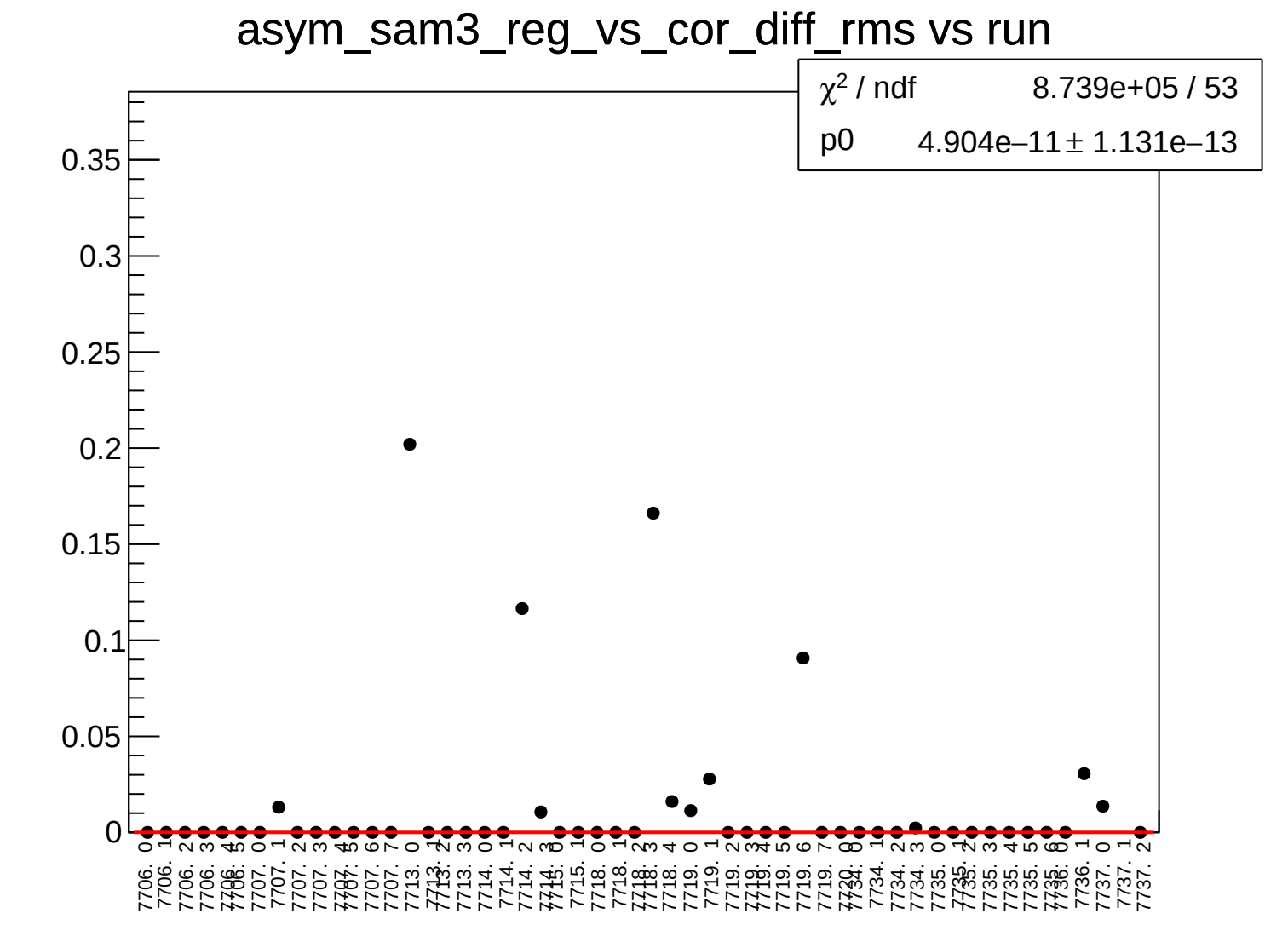

asym_sam3_mean vs run
×10^3
χ² / ndf 37.65 / 53
p0 −50.83 ± 3884
100
50
0
−50
−100
pull
Entries 54
Mean −485.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

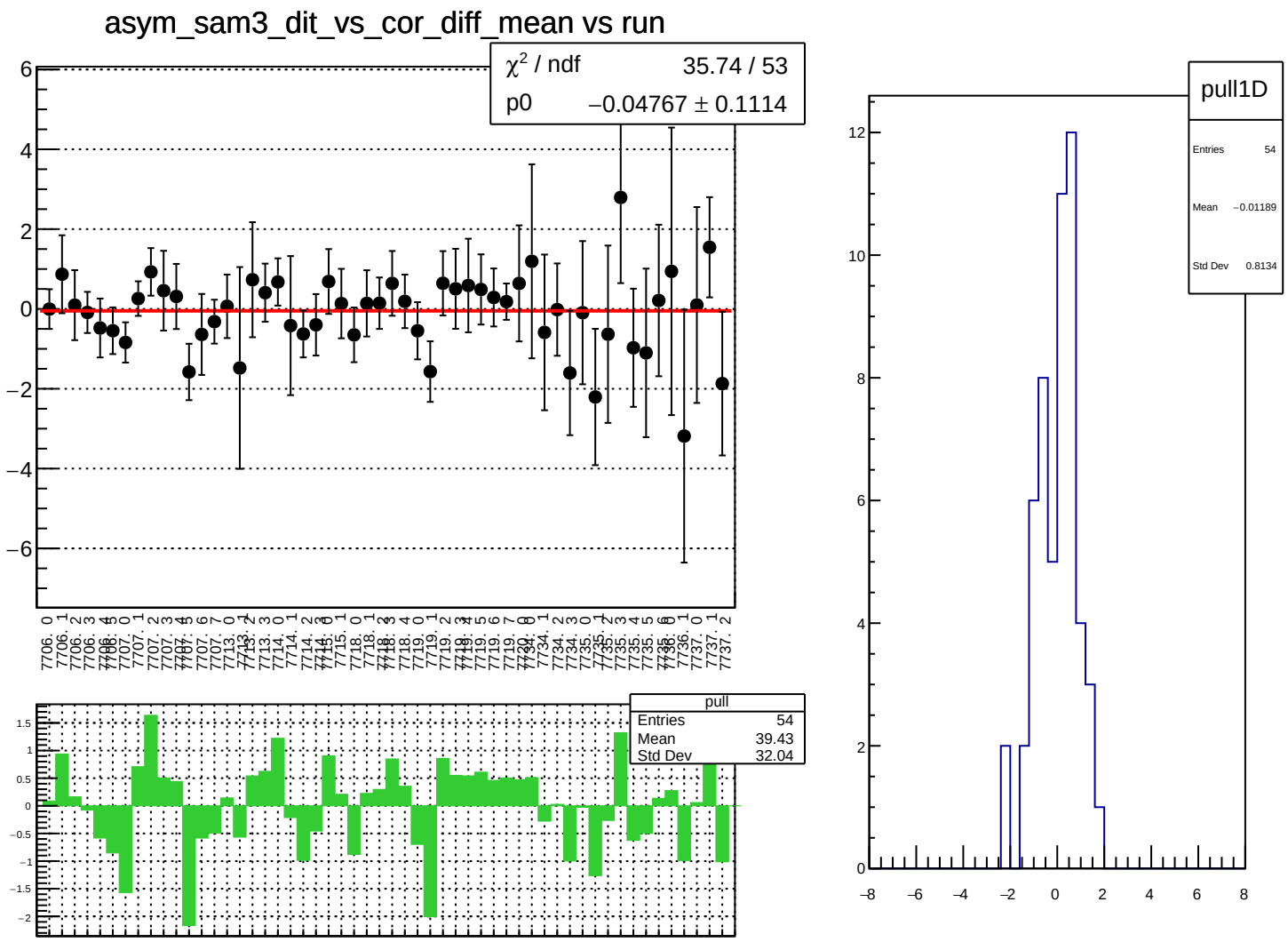

pull1D
Entries 54
Mean −0.009873
Std Dev 0.8349
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

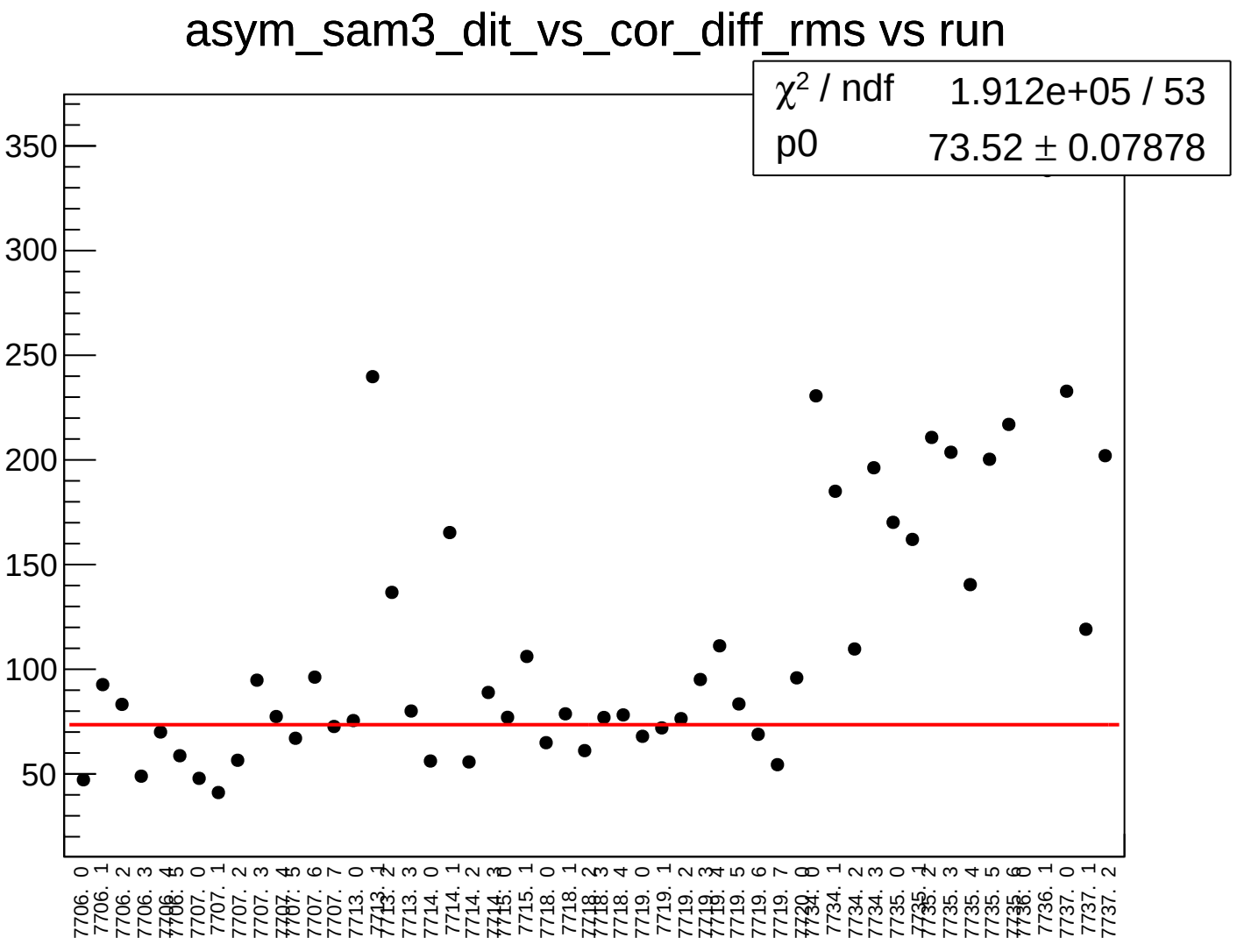

asym_sam3_rms vs run
χ² / ndf 2.437e+04 / 53
p0 2798 ± 2.746
4000
3500
3000
2500
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

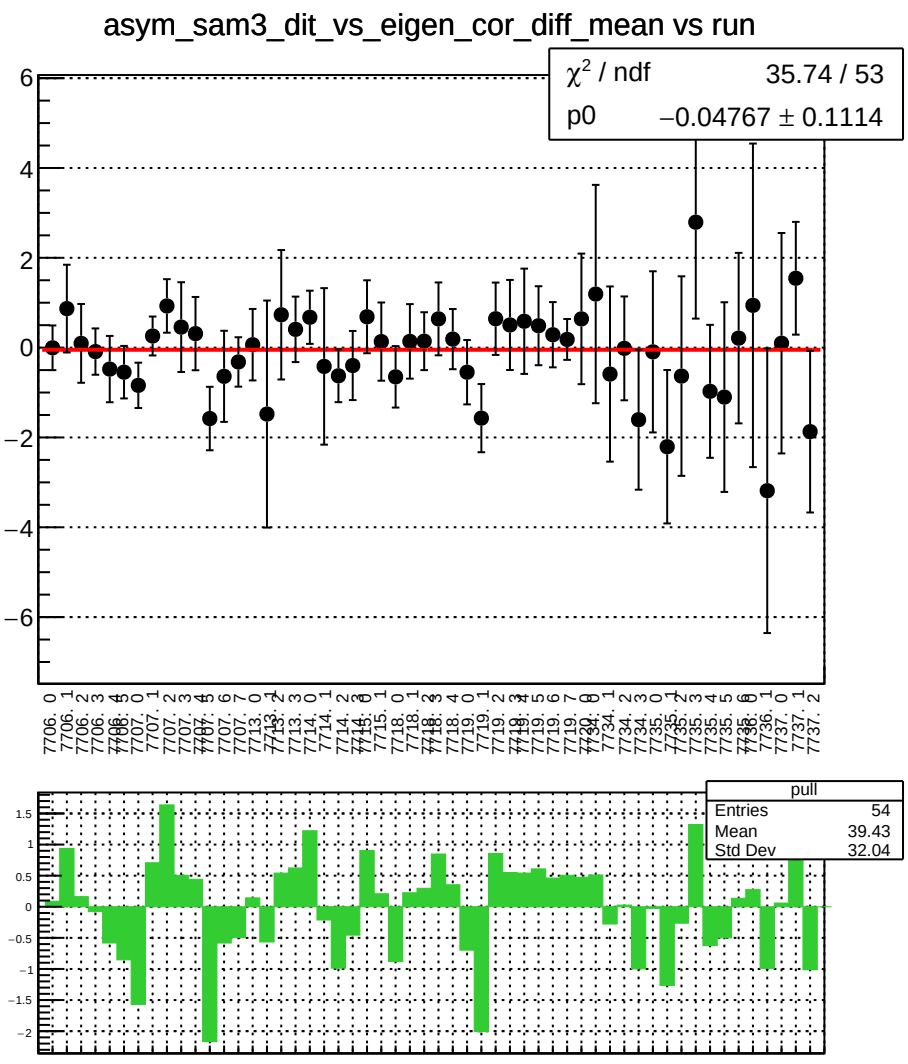

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 59.6 / 53
p0 1.159e−13 ± 1.599e−13
0.002
0
−0.002
−0.004
−0.006
pull
Entries 54
Mean −44.18
Std Dev 0
3
2
1
0
−1
−2

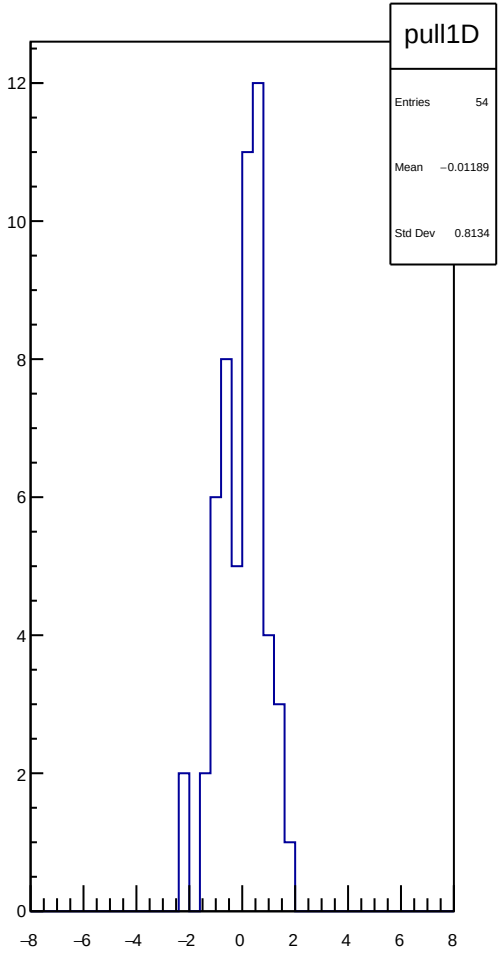

pull1D
Entries 54
Mean −0.04372
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

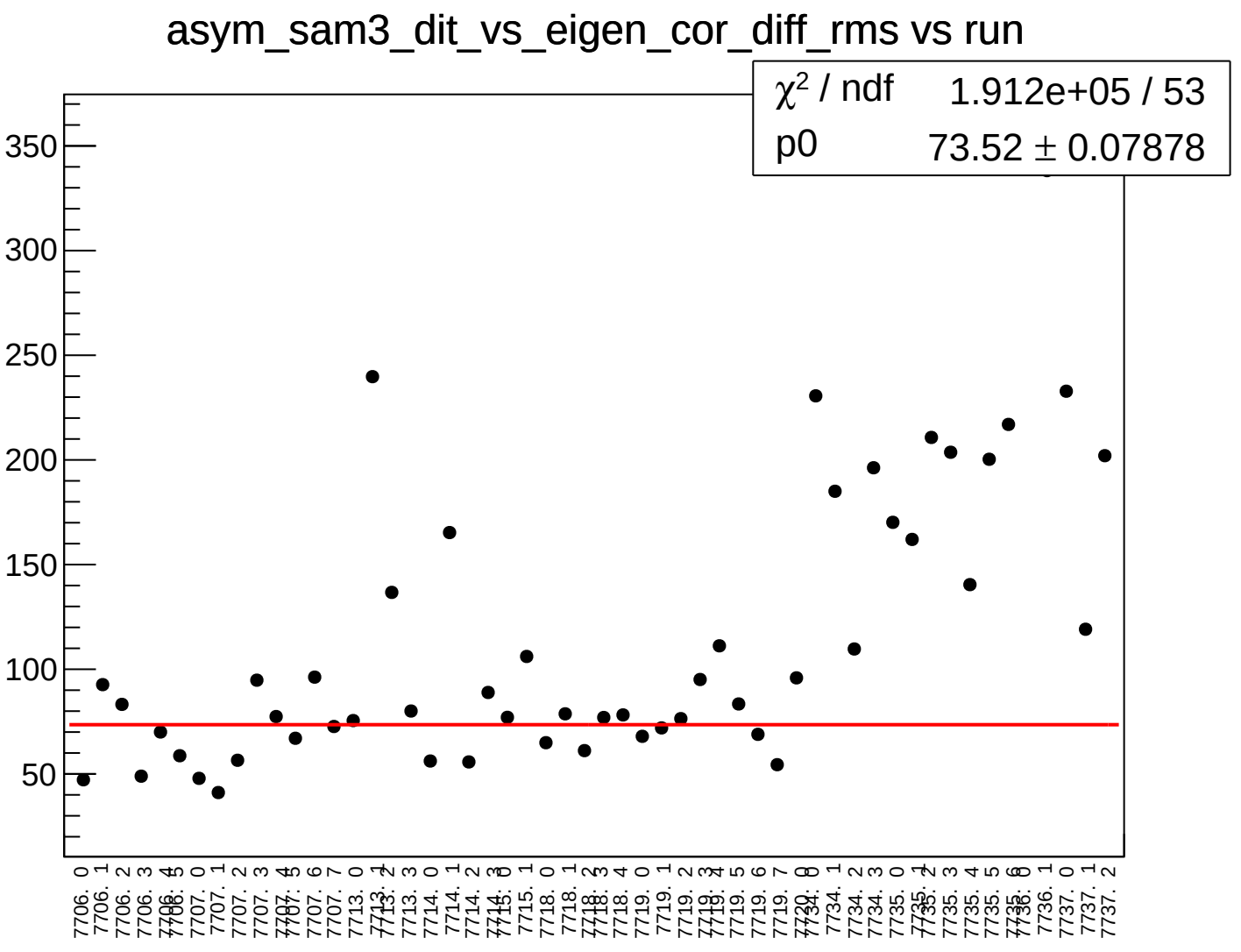

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 8.739e+05 / 53
p0 4.904e−11 ± 1.131e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

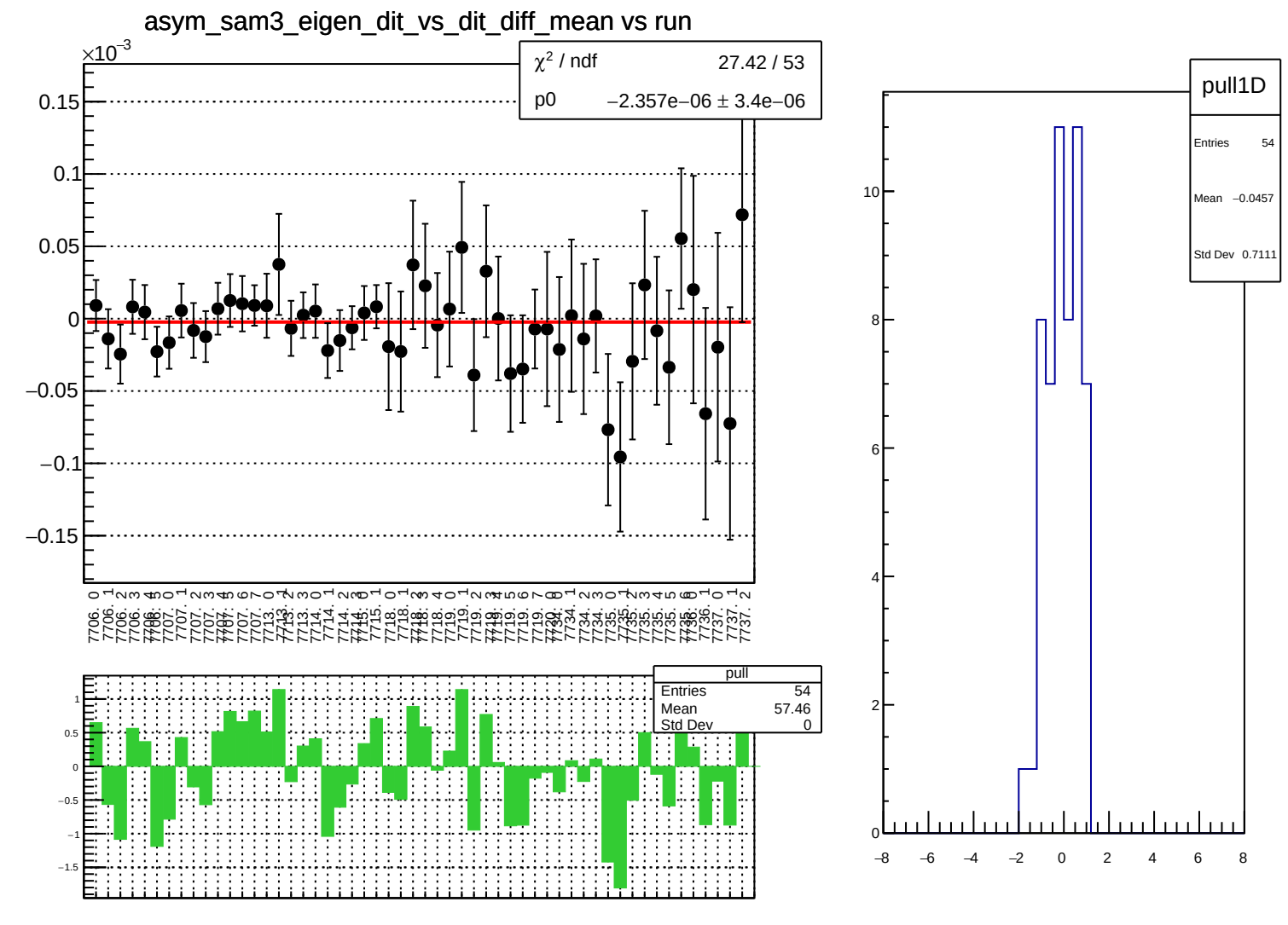

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 35.74 / 53
p0 −0.04767 ± 0.1114
pull
Entries 54
Mean 39.43
Std Dev 32.04
pull1D
Entries 54
Mean −0.01189
Std Dev 0.8134

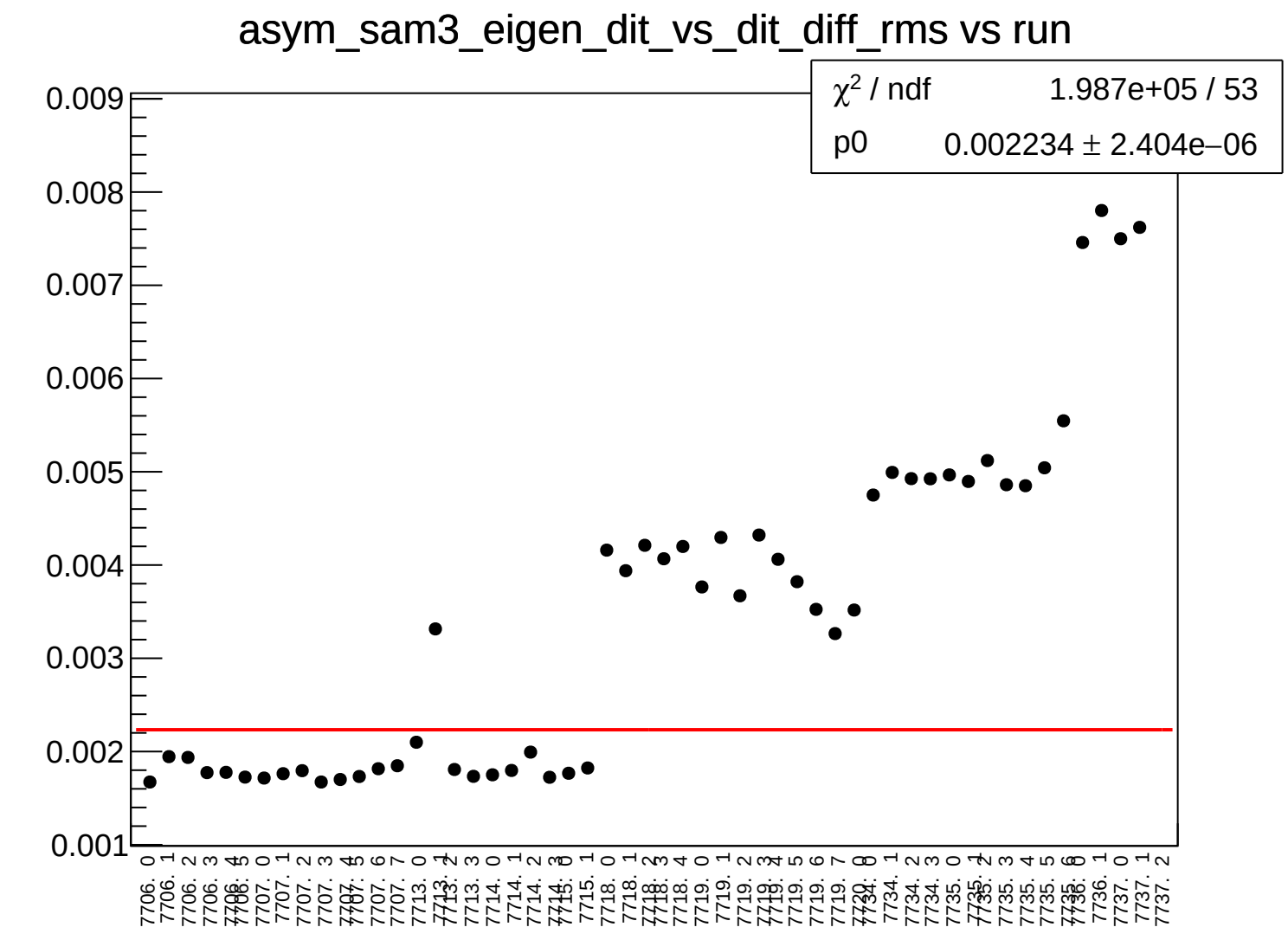

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.912e+05 / 53
p0 73.52 ± 0.07878
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

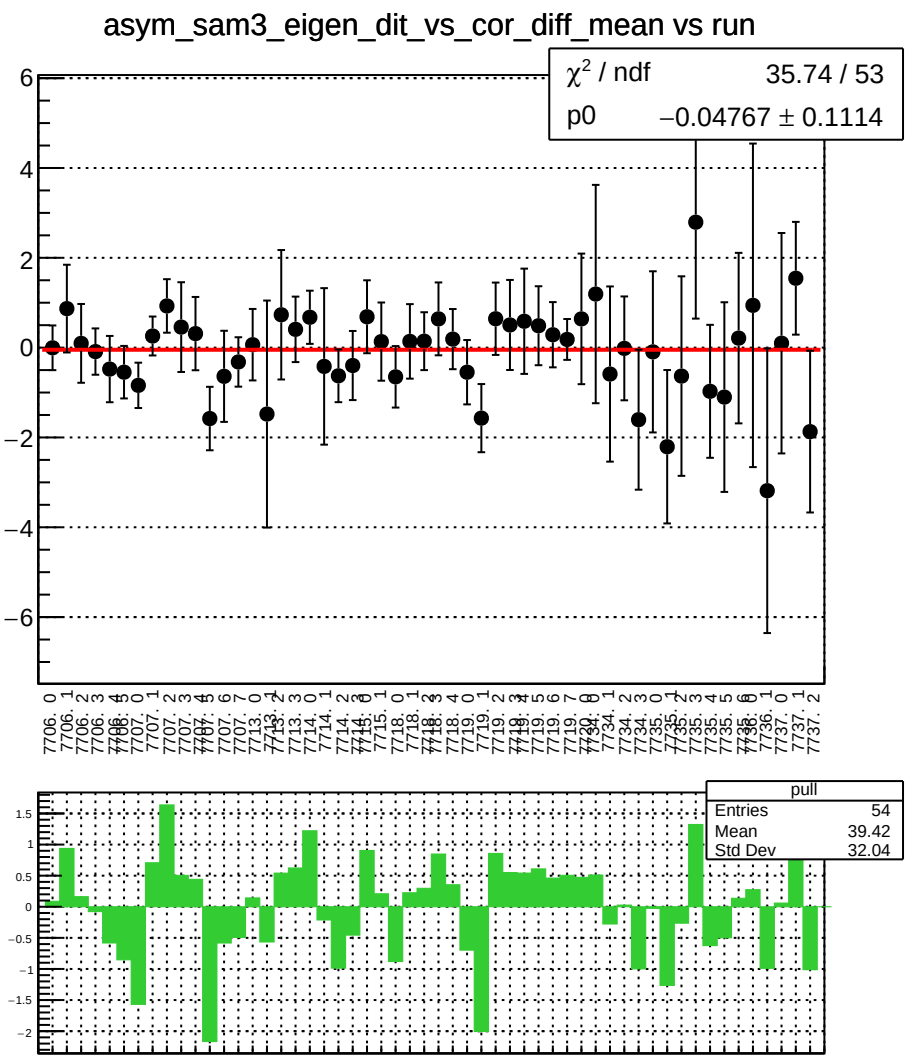

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.74 / 53
p0 −0.04767 ± 0.1114
pull
Entries 54
Mean 39.43
Std Dev 32.04

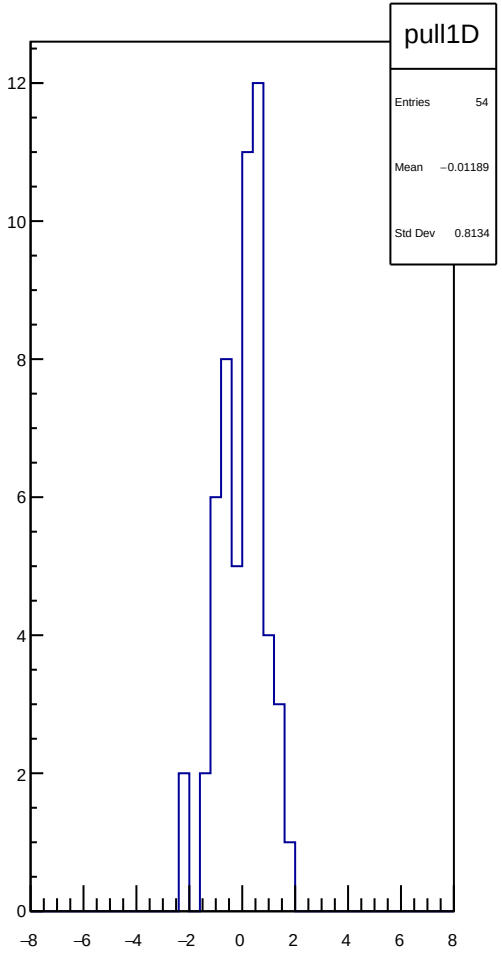

pull1D
Entries 54
Mean −0.01189
Std Dev 0.8134

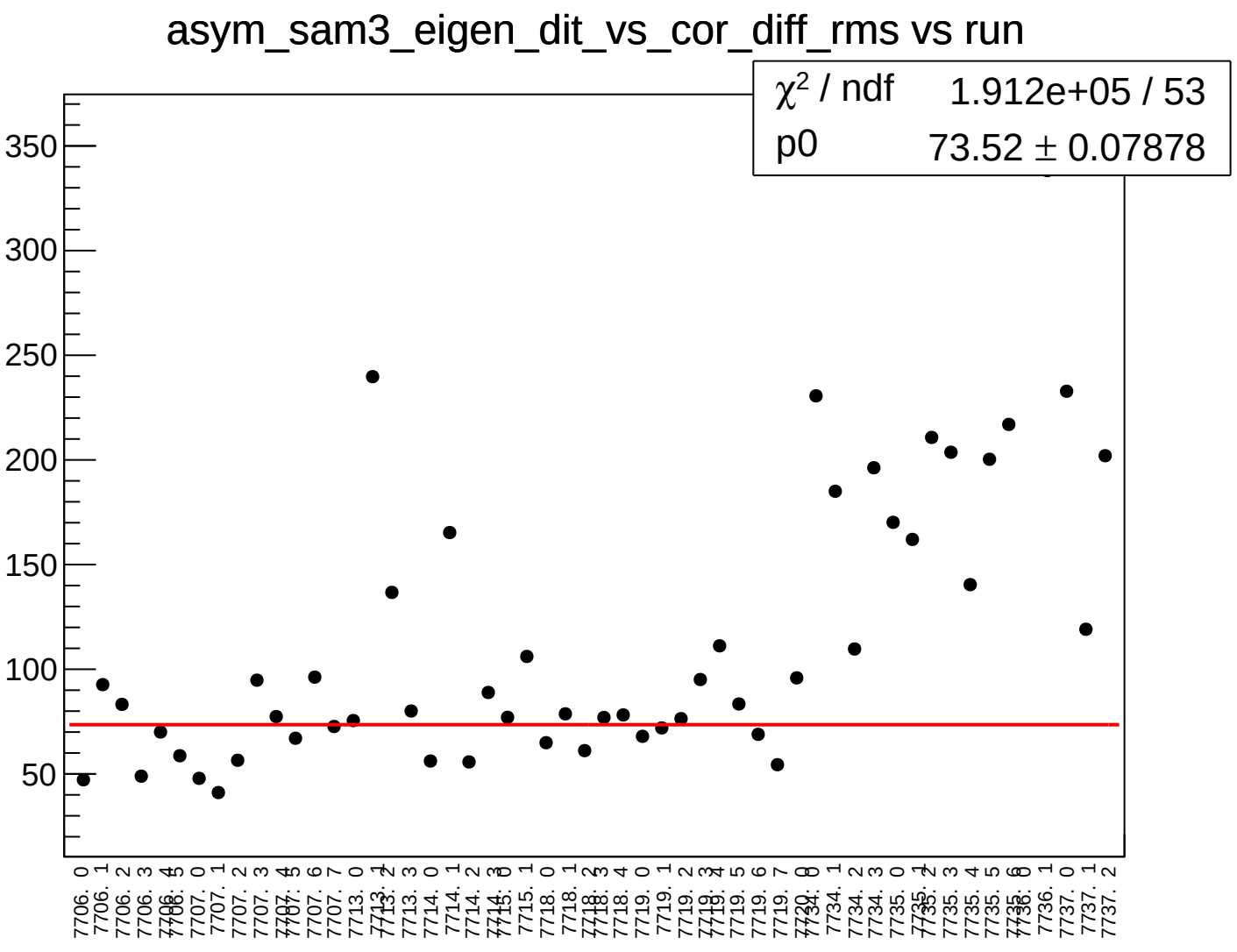

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.912e+05 / 53
p0 73.52 ± 0.07878
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

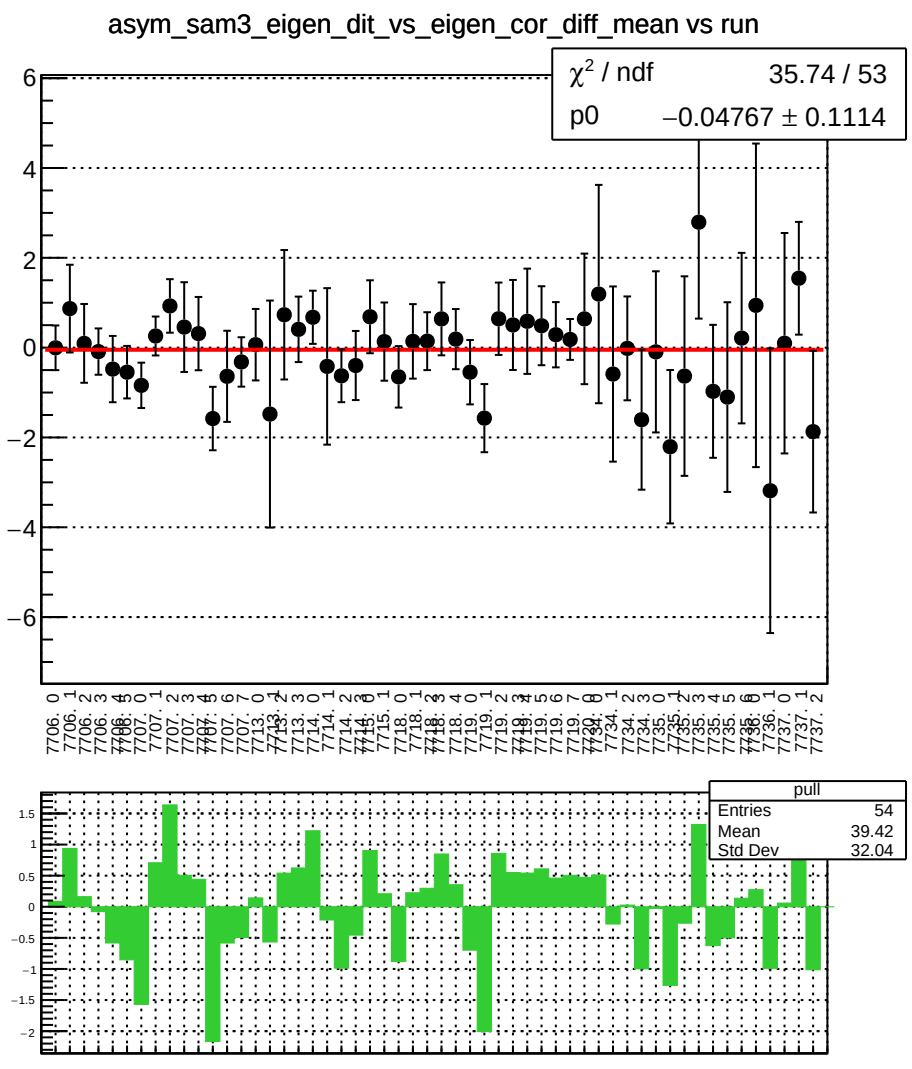

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 27.42 / 53
p0 −2.357e−06 ± 3.4e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 54
Mean 57.46
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.0457
Std Dev 0.7111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

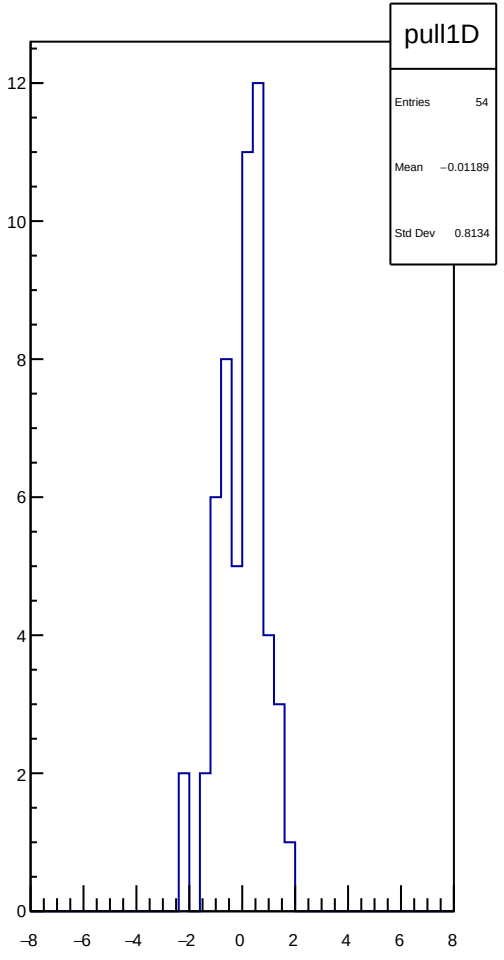

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.987e+05 / 53
p0 0.002234 ± 2.404e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

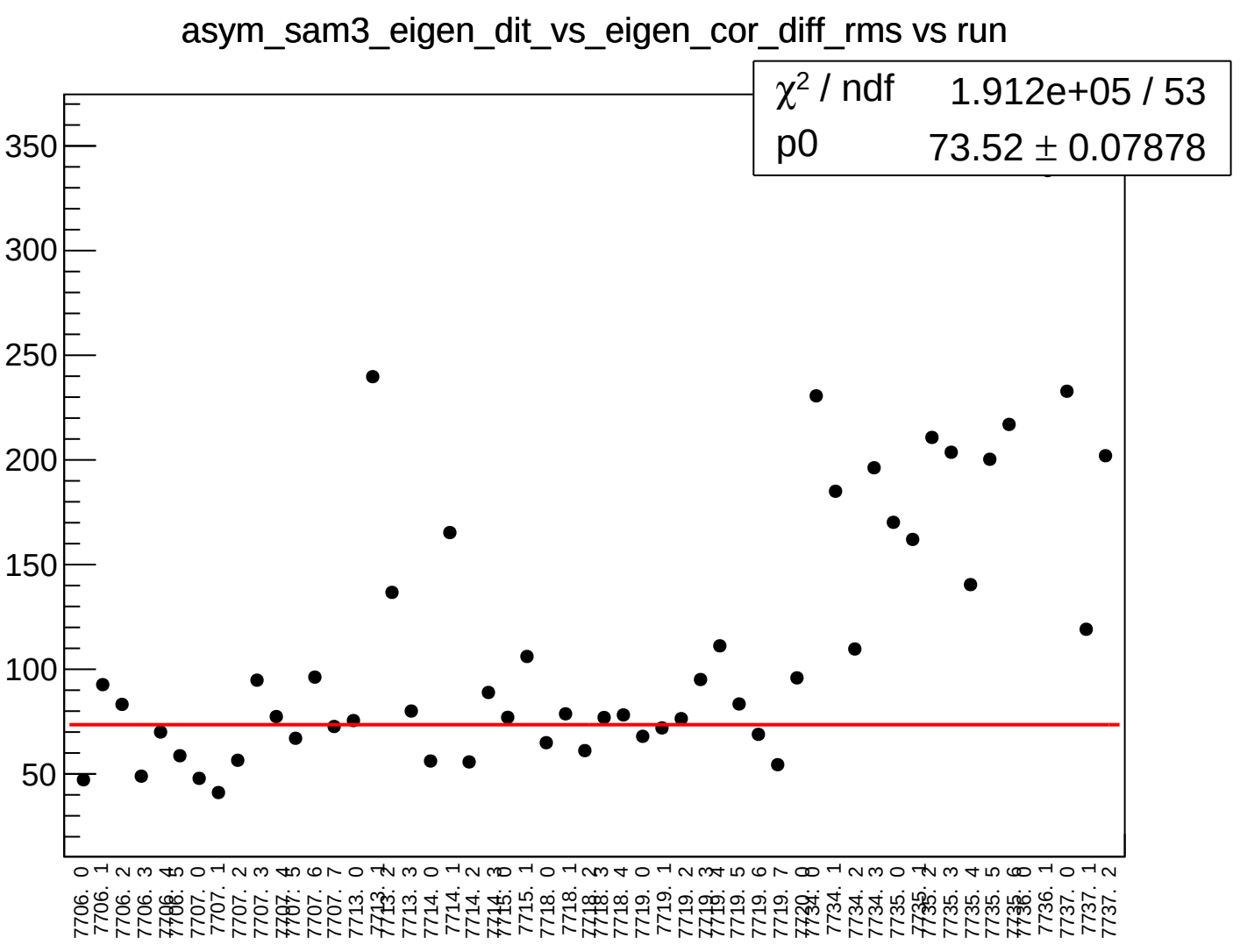

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.74 / 53
p0 −0.04767 ± 0.1114
pull
Entries 54
Mean 39.42
Std Dev 32.04

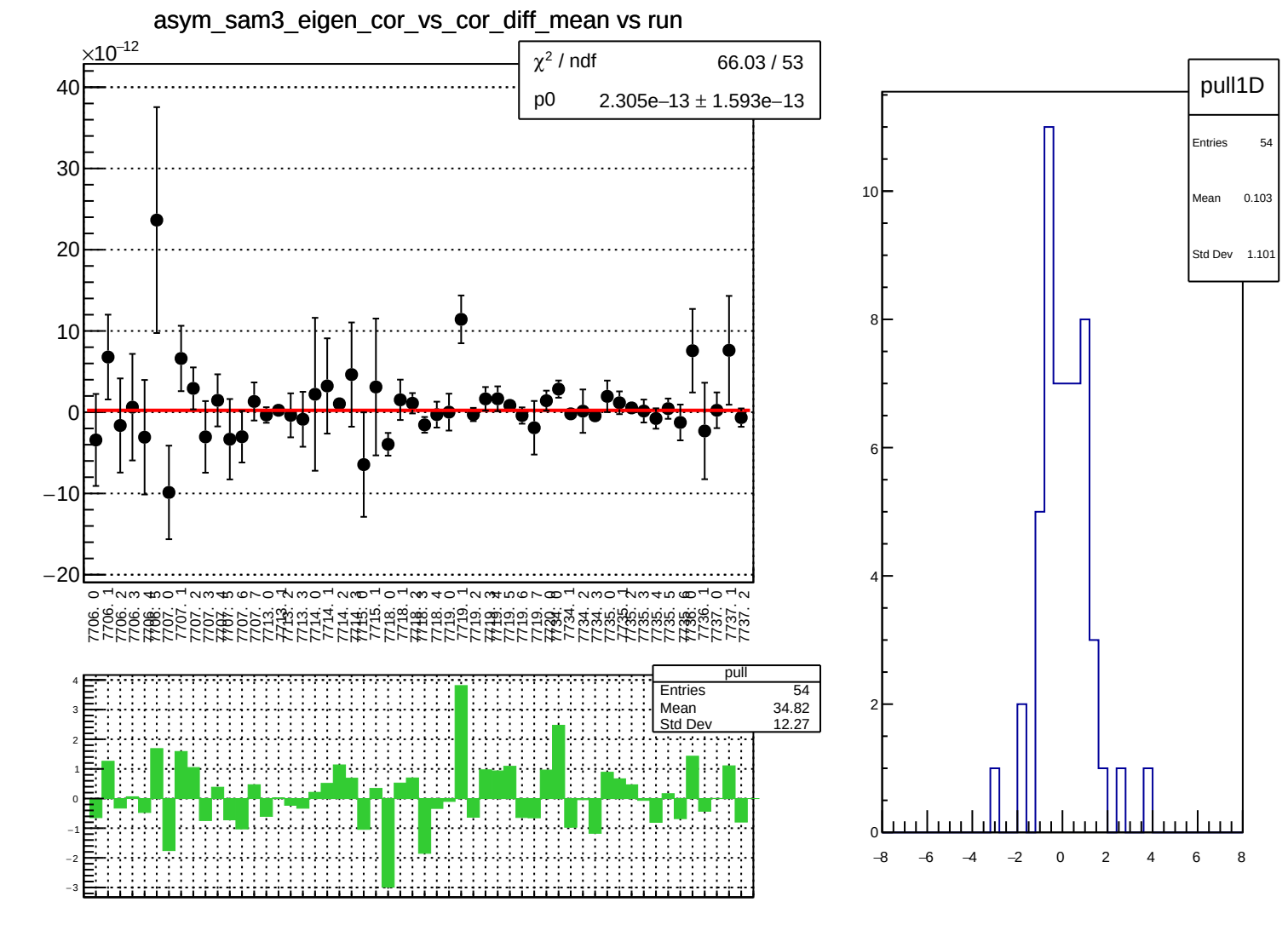

pull1D
Entries 54
Mean −0.01189
Std Dev 0.8134

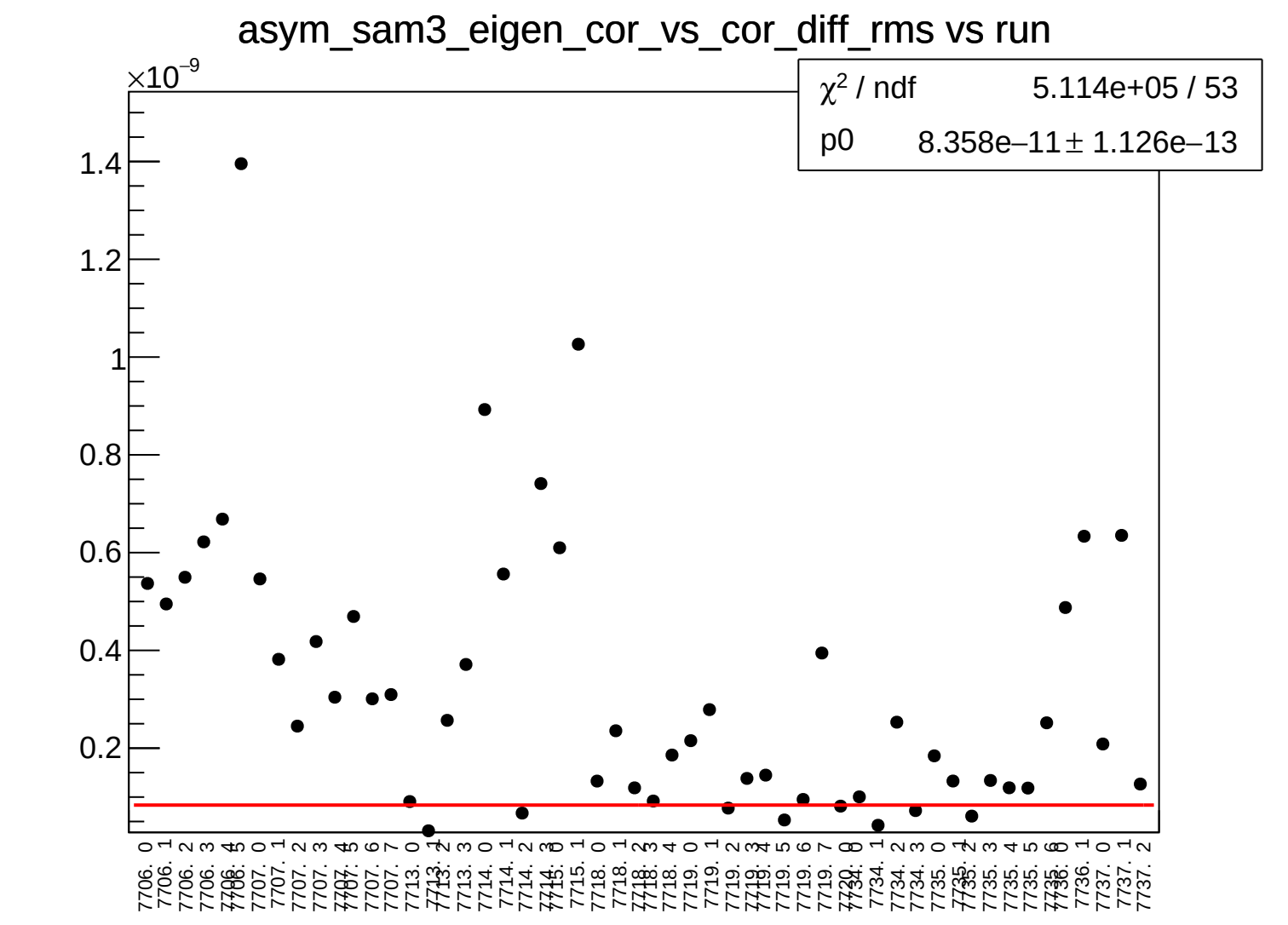

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.912e+05 / 53
p0 73.52 ± 0.07878
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

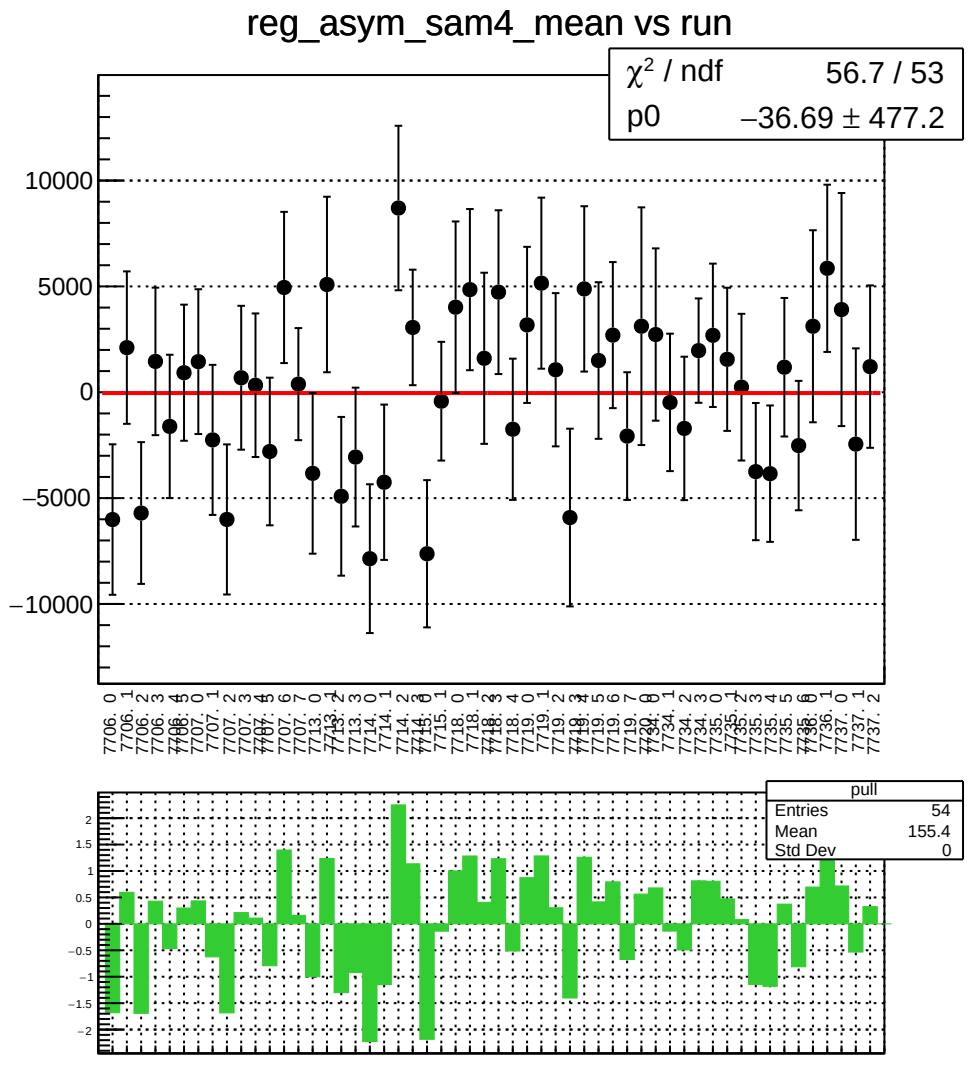

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.74 / 53
p0 −0.04767 ± 0.1114
pull
Entries 54
Mean 39.42
Std Dev 32.04

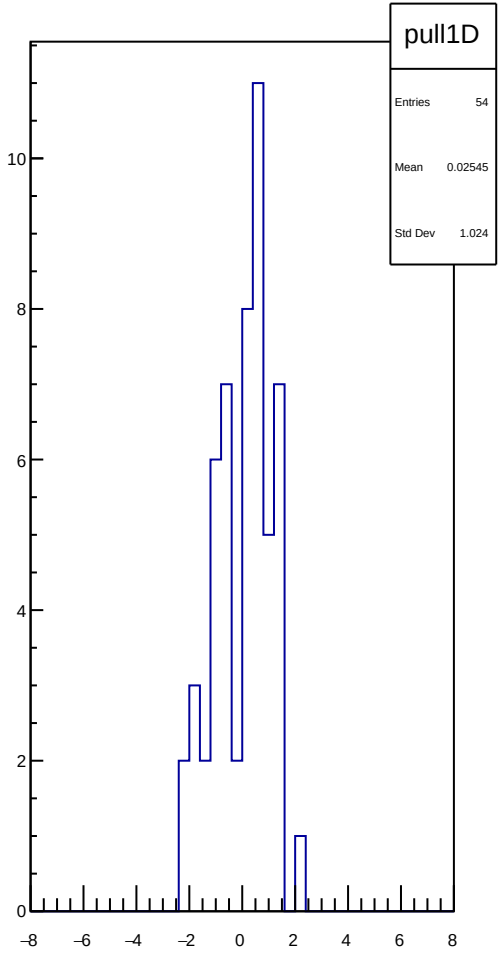

pull1D
Entries 54
Mean −0.01189
Std Dev 0.8134

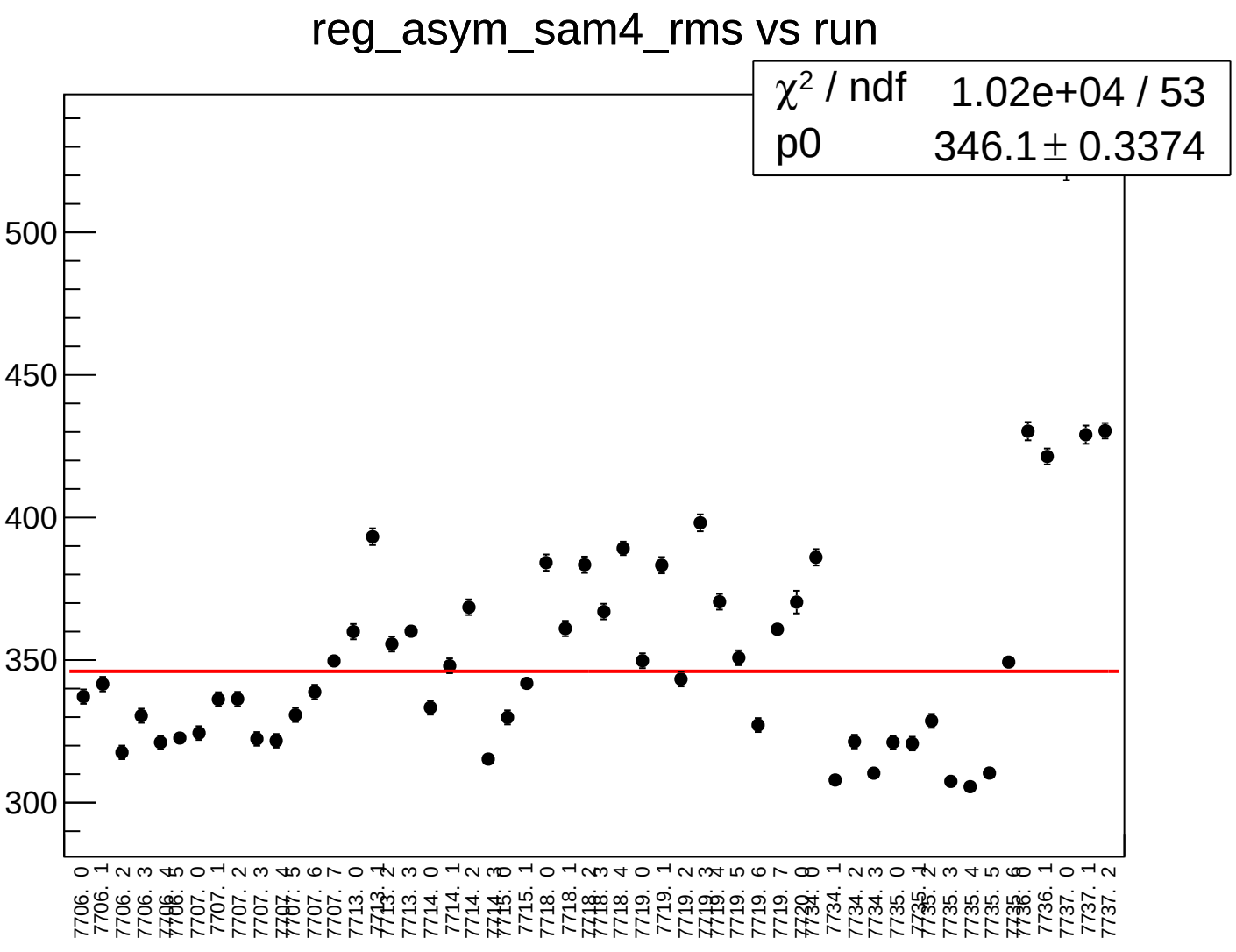

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.912e+05 / 53
p0 73.52 ± 0.07878
350
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

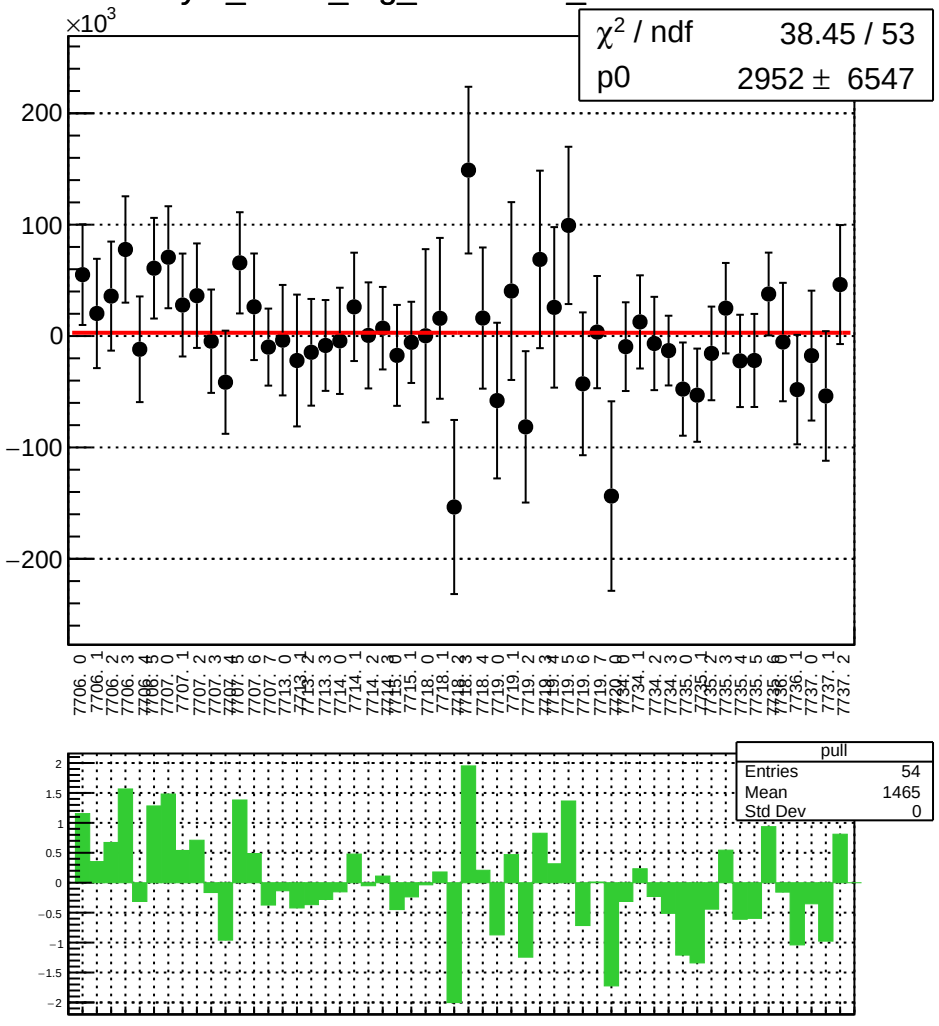

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.03 / 53
p0 2.305e−13 ± 1.593e−13
pull
Entries 54
Mean 34.82
Std Dev 12.27
pull1D
Entries 54
Mean 0.103
Std Dev 1.101

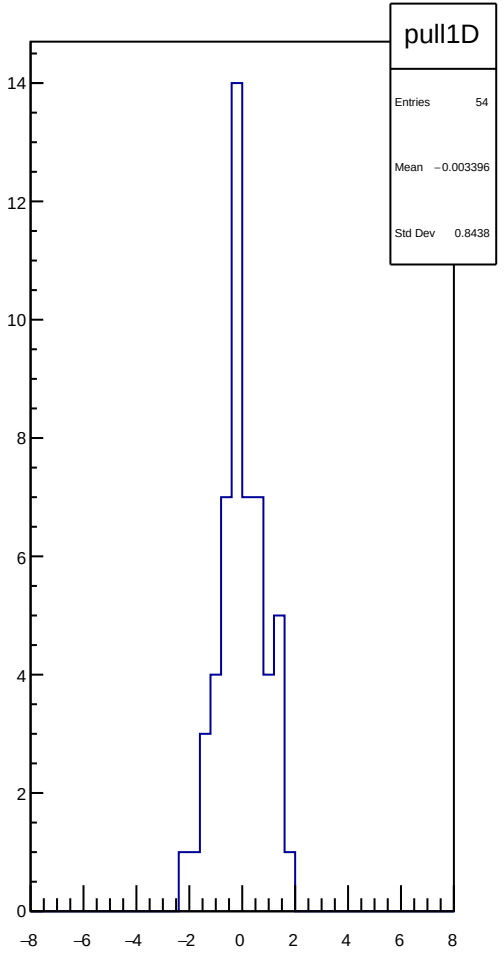

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.114e+05 / 53
p0 8.358e−11 ± 1.126e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

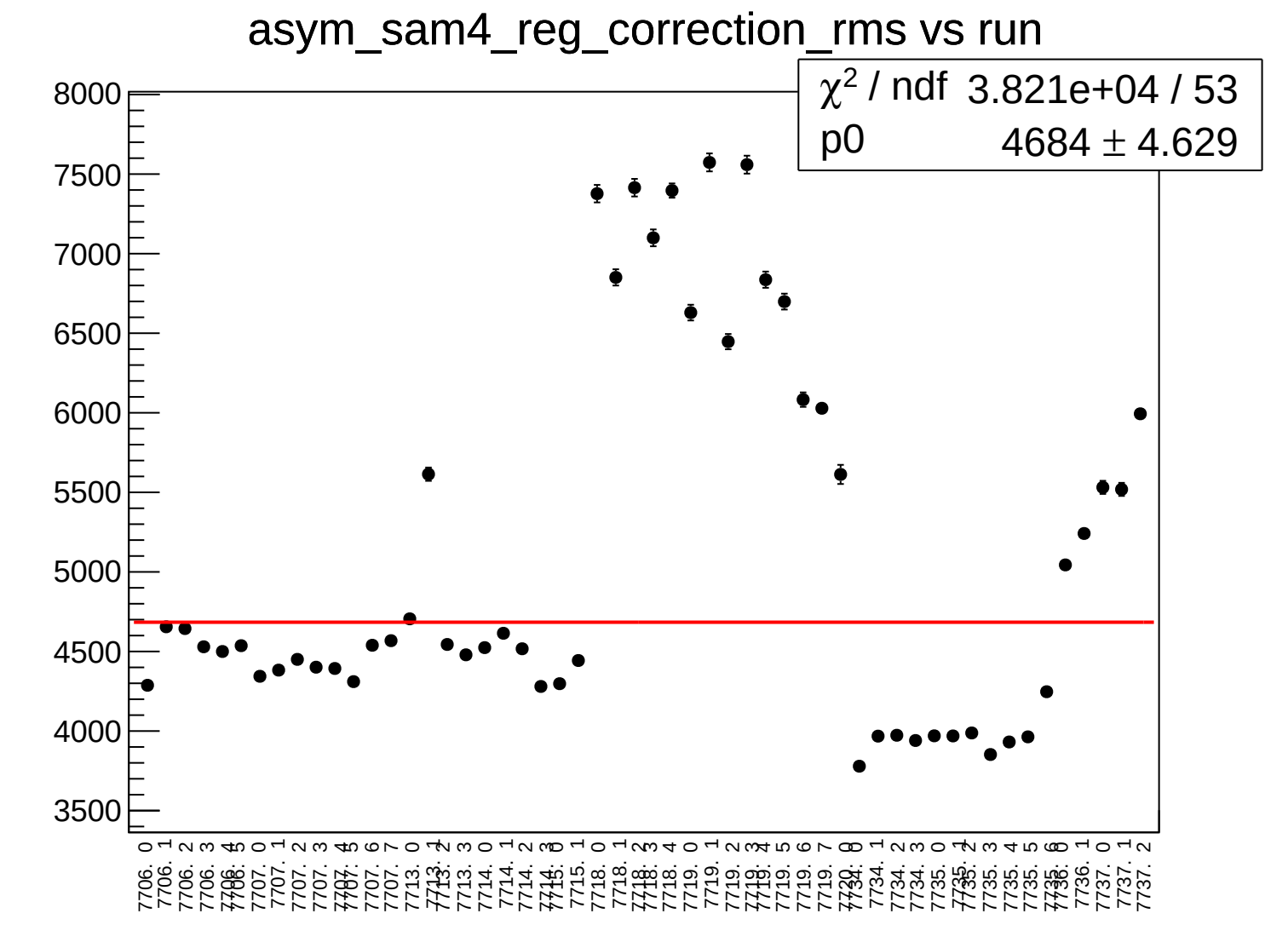

reg_asym_sam4_mean vs run
χ² / ndf 56.7 / 53
p0 −36.69 ± 477.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 155.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

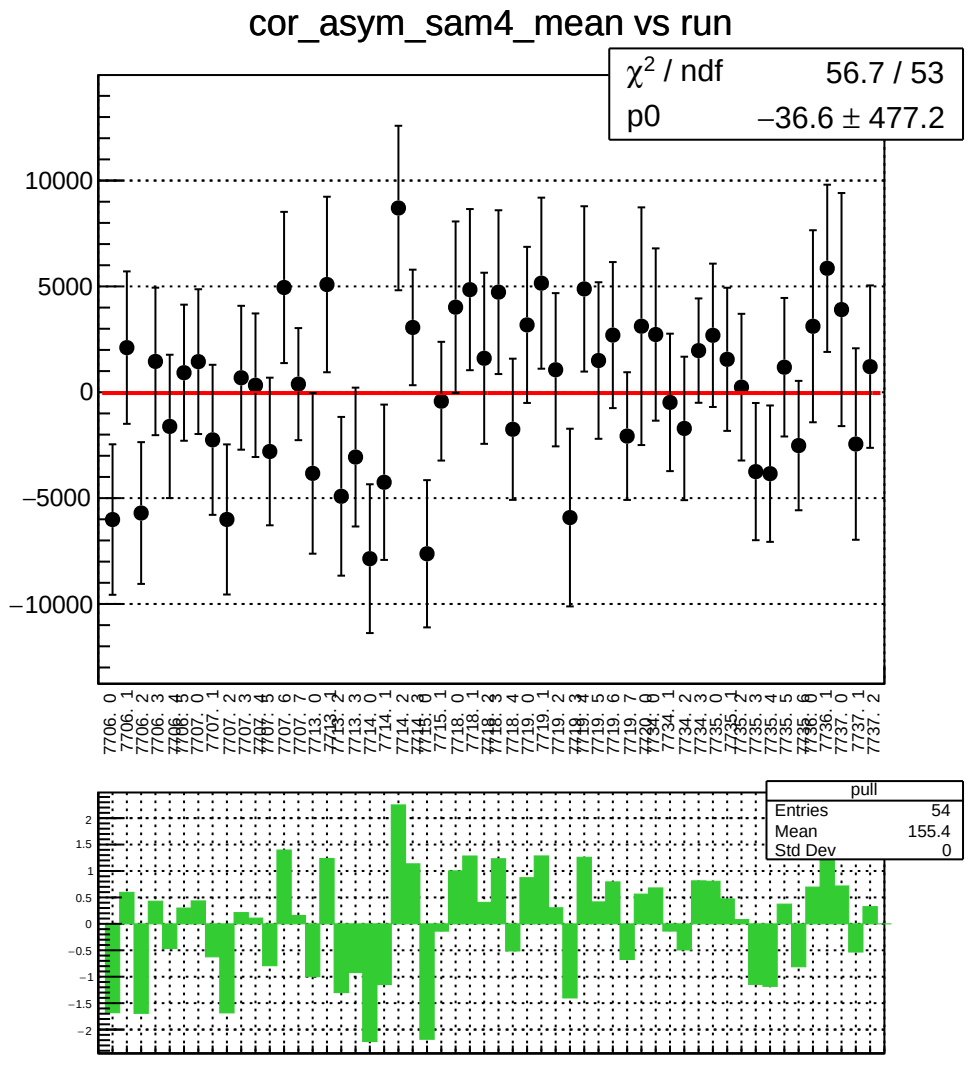

pull1D
Entries 54
Mean 0.02545
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

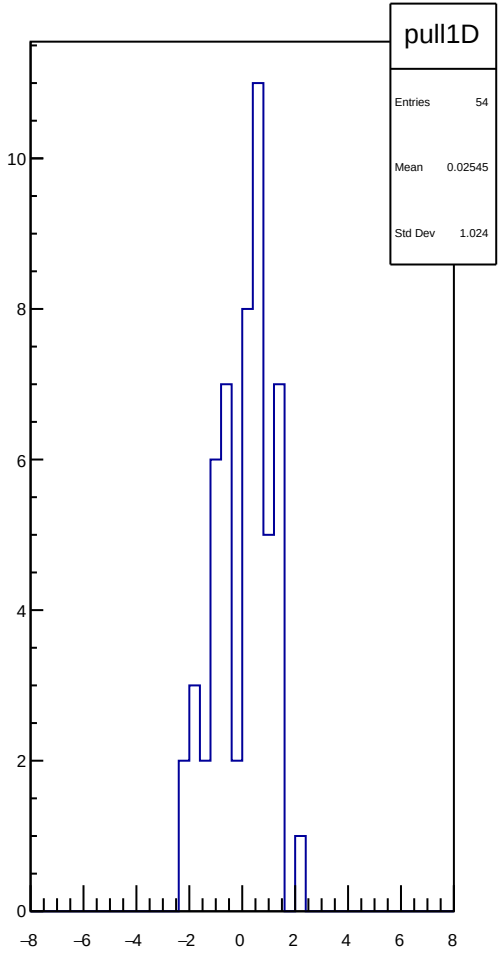

reg_asym_sam4_rms vs run
χ² / ndf 1.02e+04 / 53
p0 346.1 ± 0.3374
500
450
400
350
300

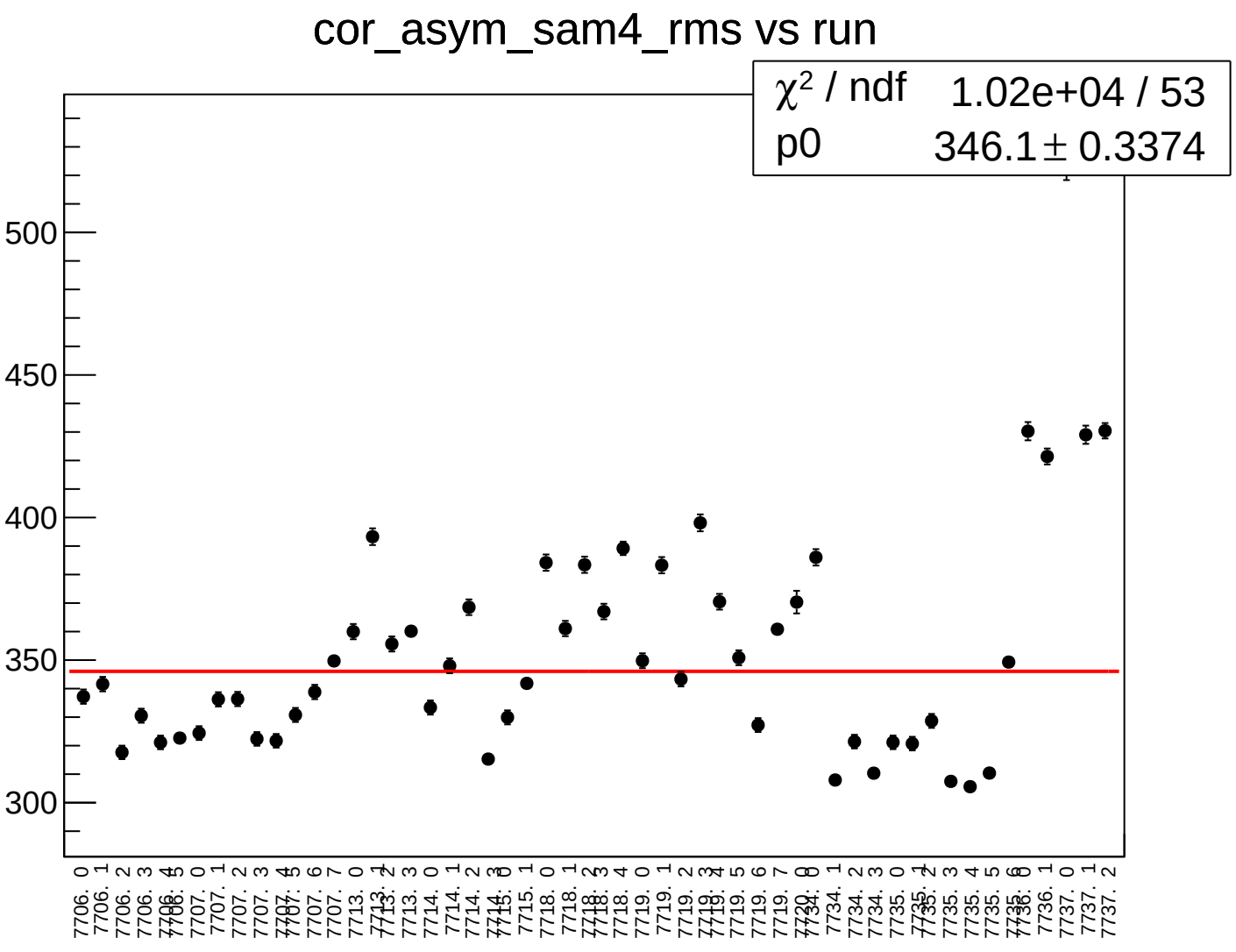

asym_sam4_reg_correction_mean vs run
χ² / ndf 38.45 / 53
p0 2952 ± 6547
pull
Entries 54
Mean 1465
Std Dev 0

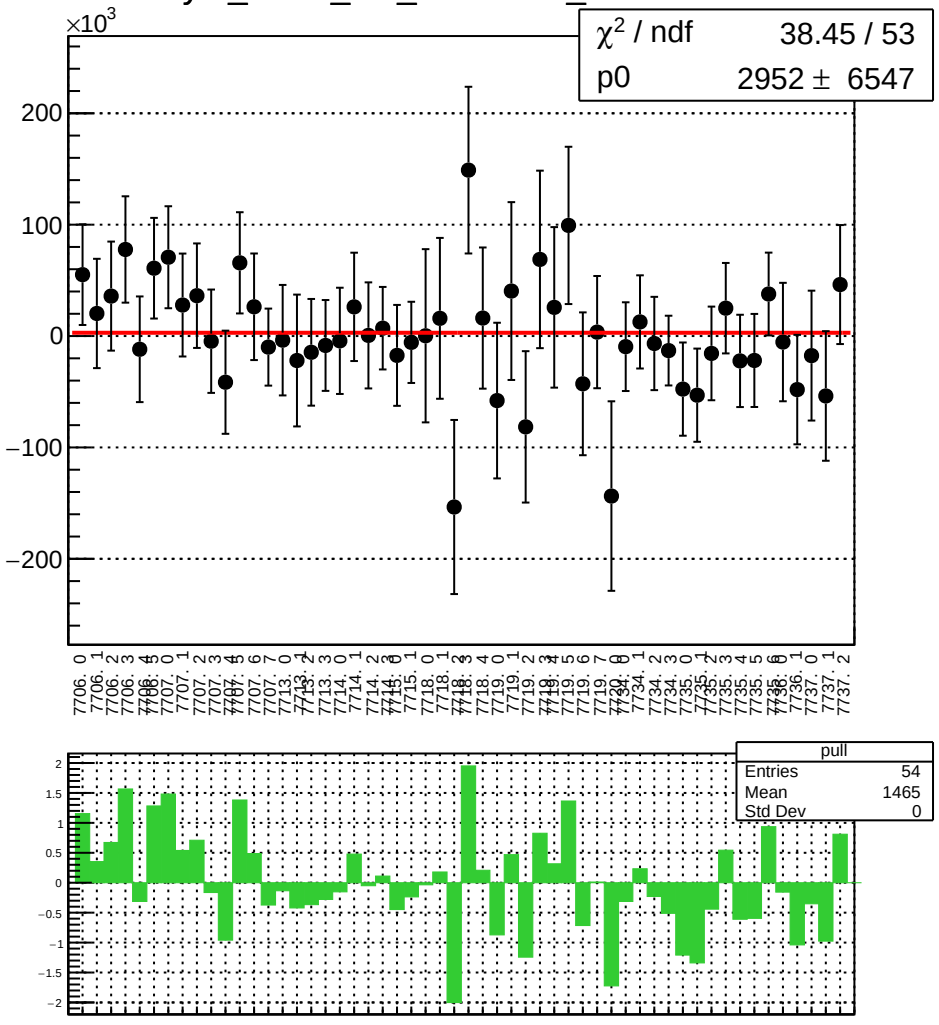

pull1D
Entries 54
Mean −0.003396
Std Dev 0.8438

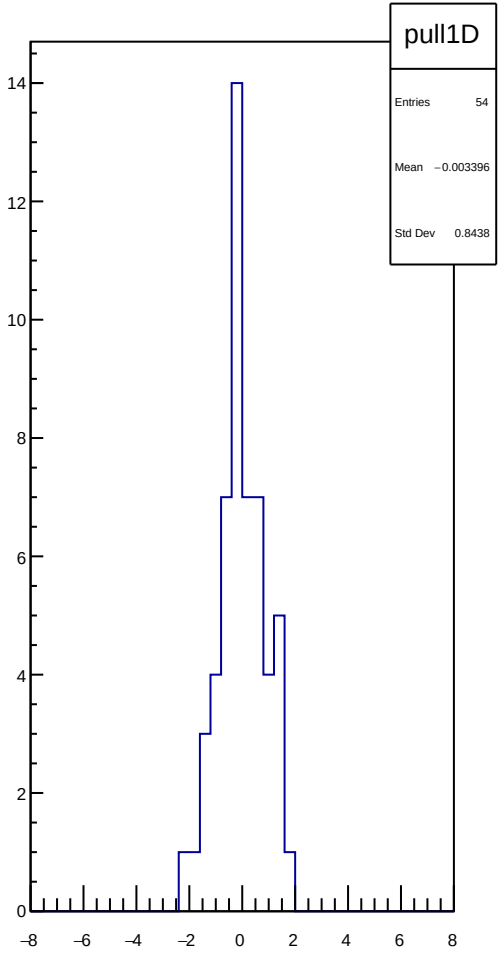

asym_sam4_reg_correction_rms vs run
χ² / ndf 3.821e+04 / 53
p0 4684 ± 4.629
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500

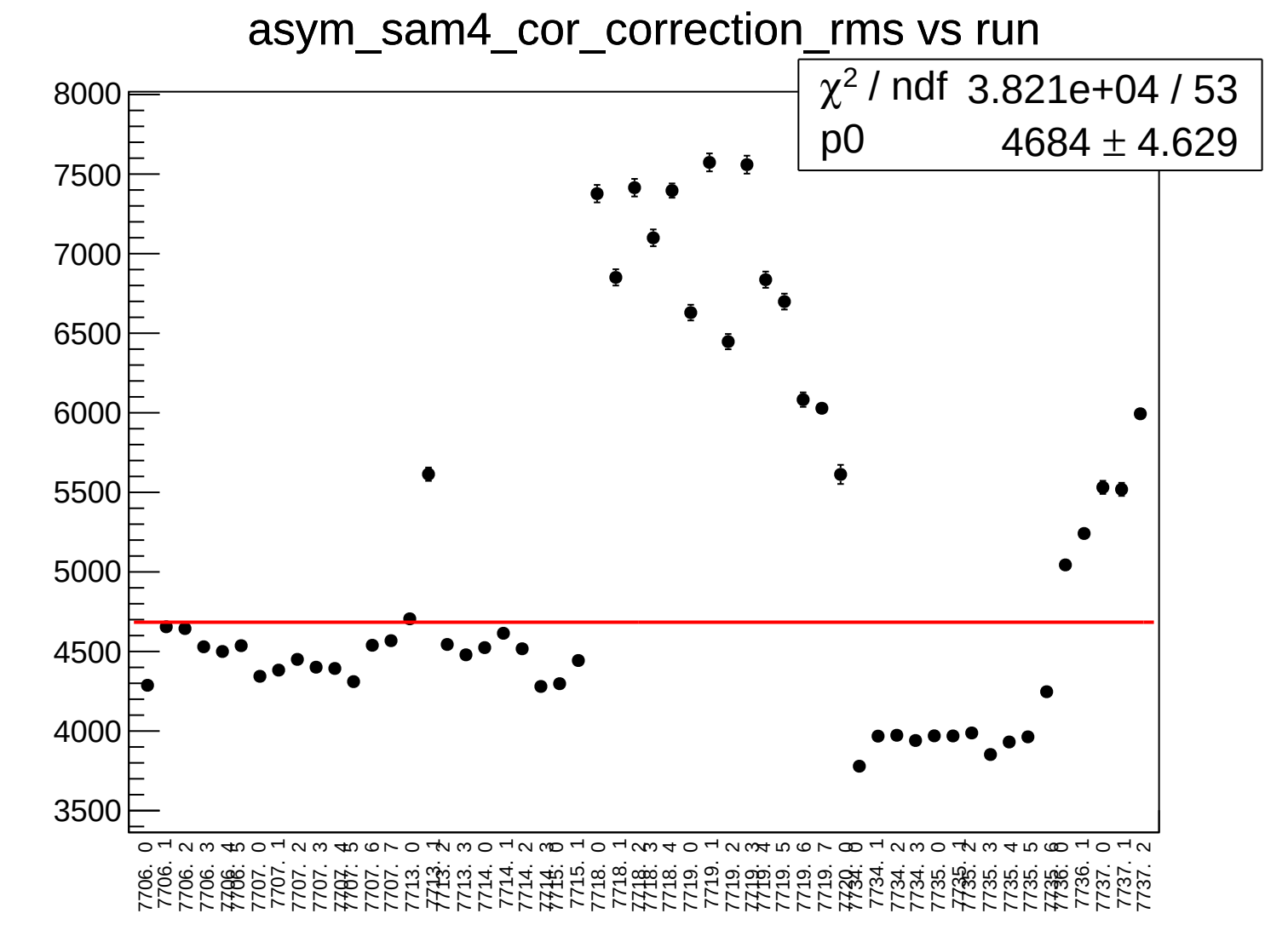

cor_asym_sam4_mean vs run
χ² / ndf 56.7 / 53
p0 −36.6 ± 477.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 155.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

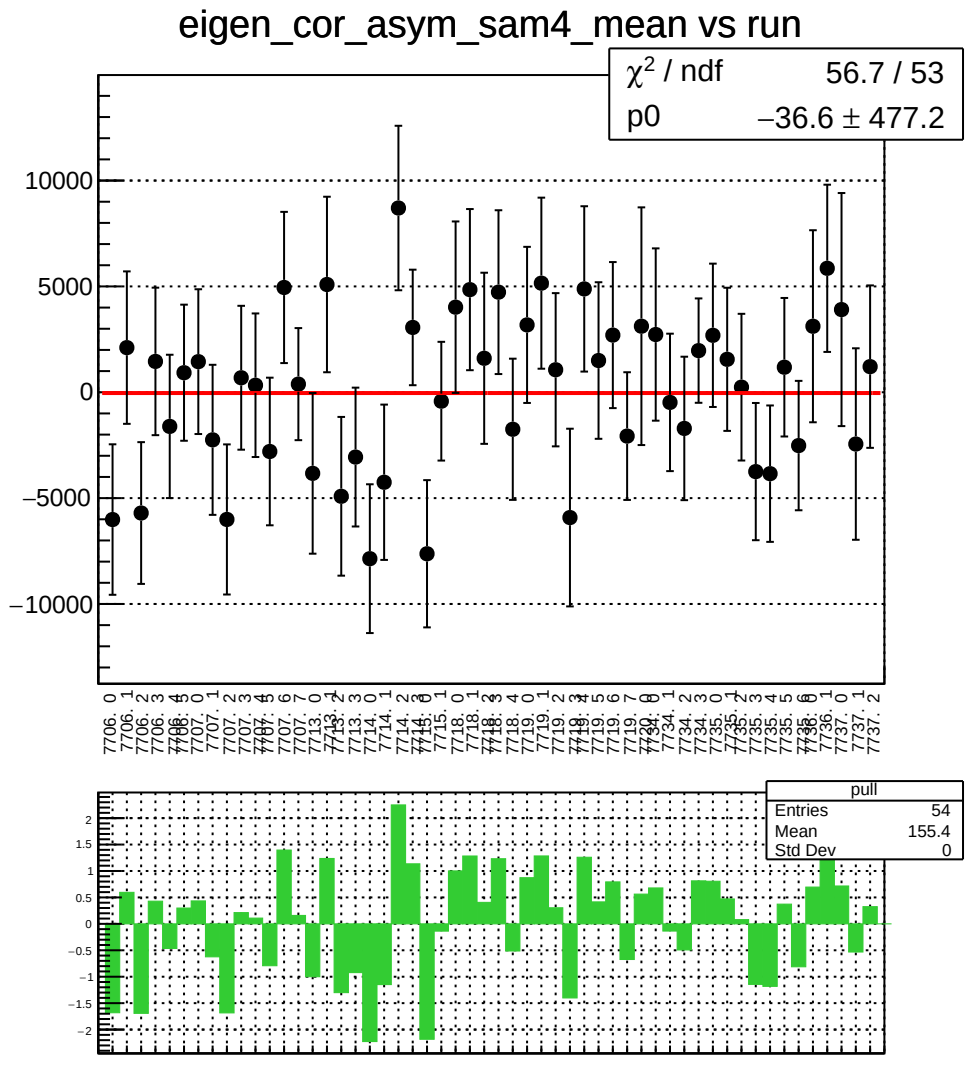

pull1D
Entries 54
Mean 0.02545
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

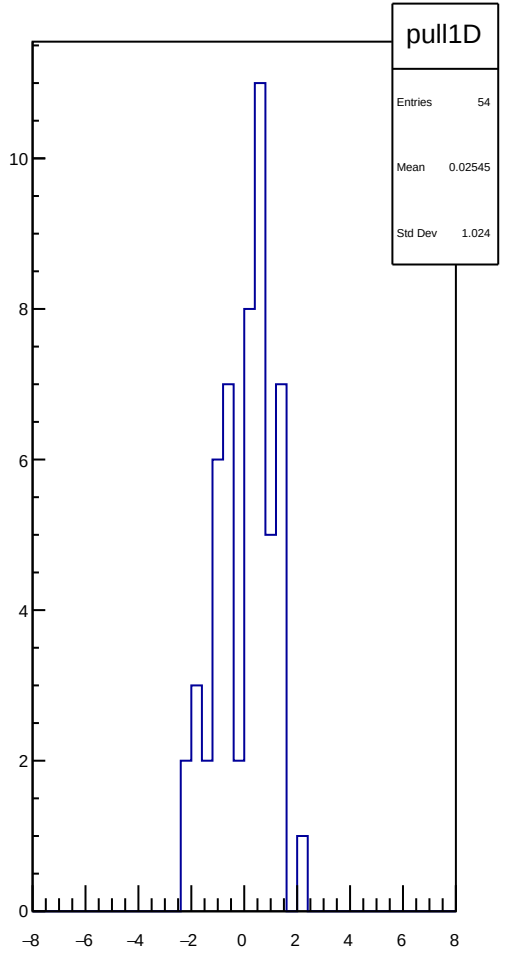

cor_asym_sam4_rms vs run
χ² / ndf 1.02e+04 / 53
p0 346.1 ± 0.3374
500
450
400
350
300

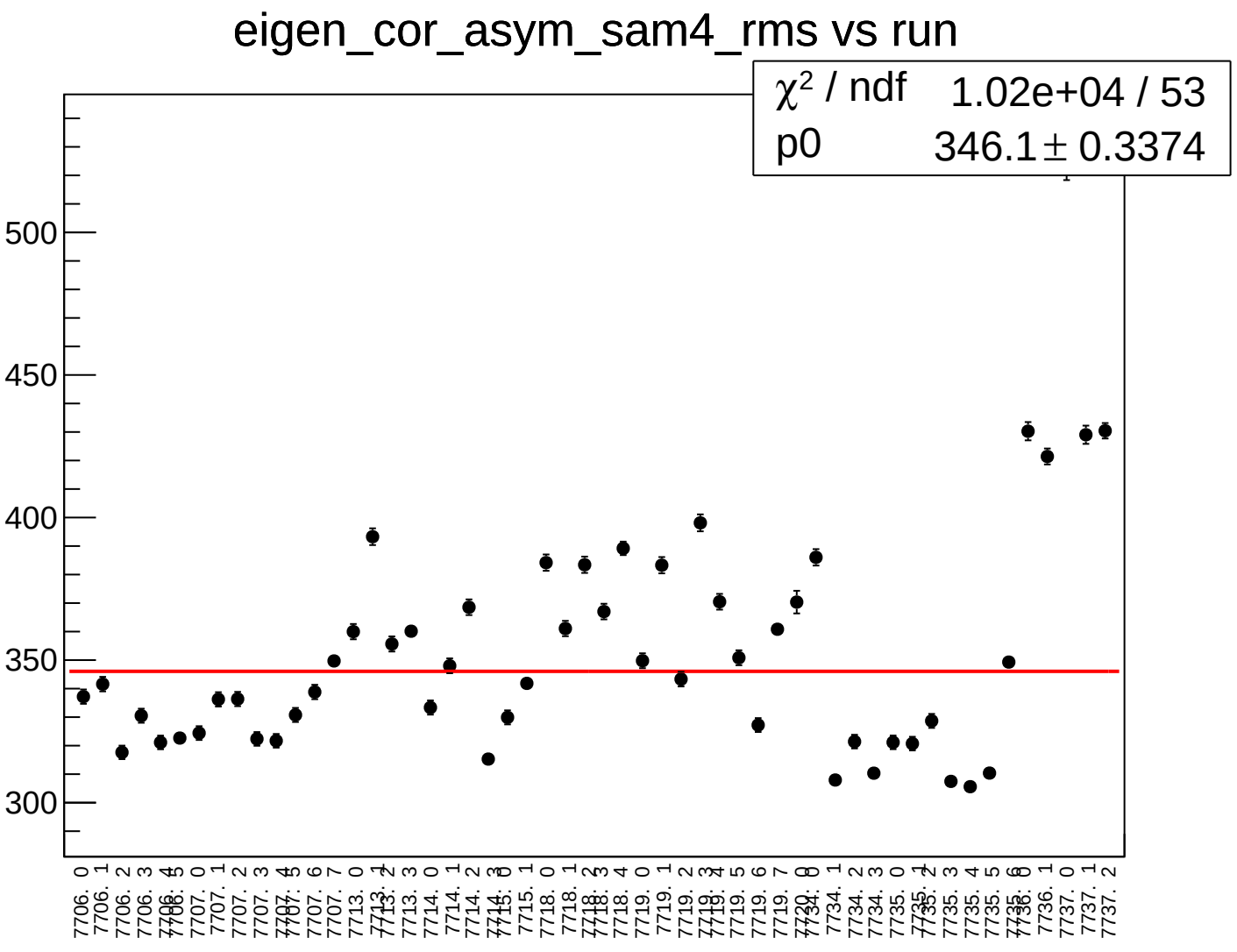

asym_sam4_cor_correction_mean vs run
×10^3
χ^2 / ndf 38.45 / 53
p0 2952 ± 6547
200
100
0
−100
−200
pull
Entries 54
Mean 1465
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

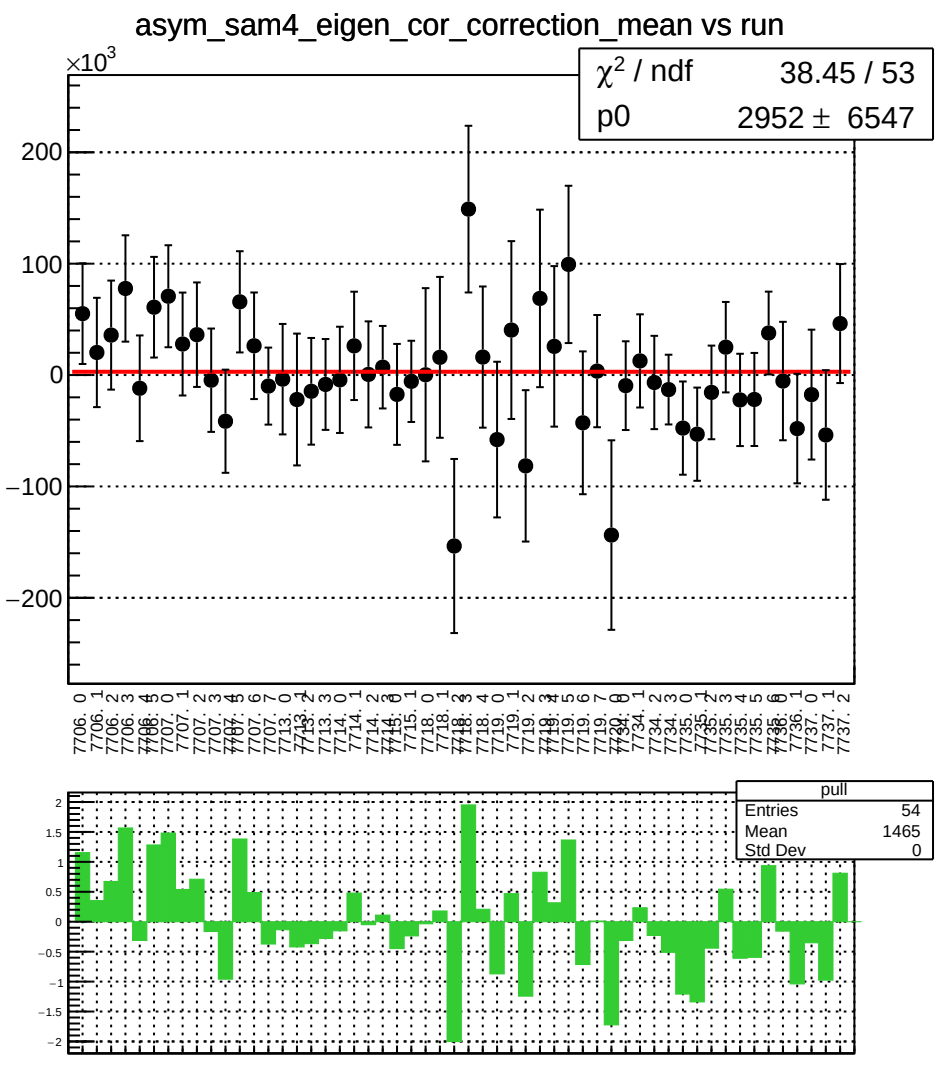

pull1D
Entries 54
Mean −0.003396
Std Dev 0.8438
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

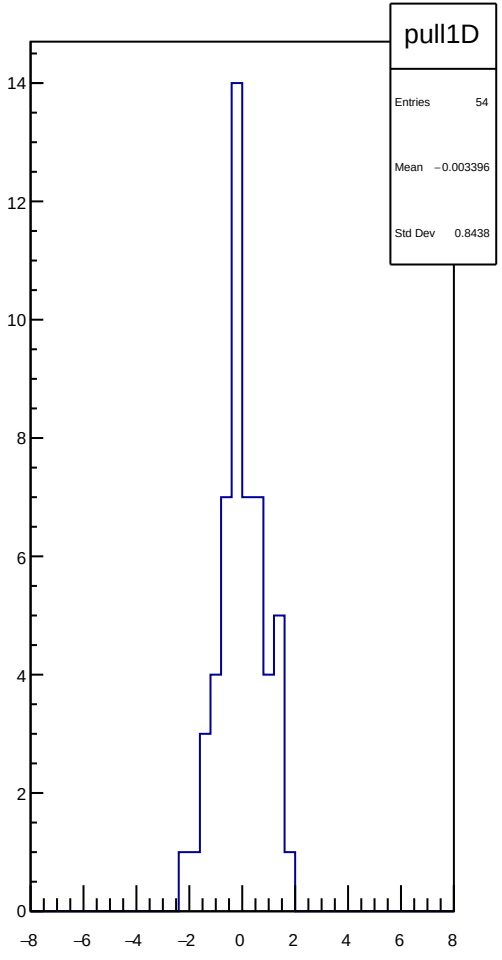

asym_sam4_cor_correction_rms vs run
χ² / ndf 3.821e+04 / 53
p0 4684 ± 4.629
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500

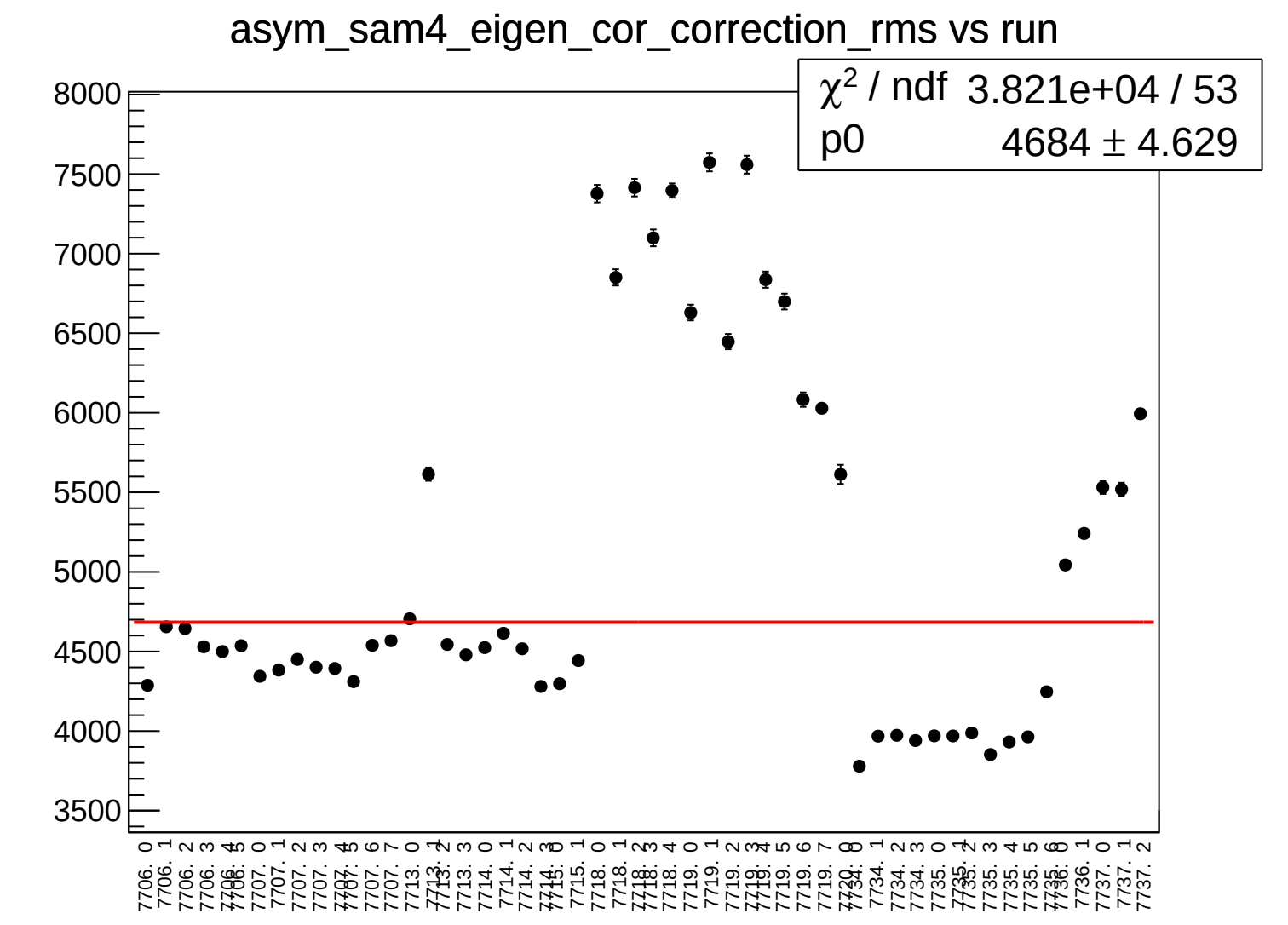

eigen_cor_asym_sam4_mean vs run
χ² / ndf 56.7 / 53
p0 −36.6 ± 477.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 155.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

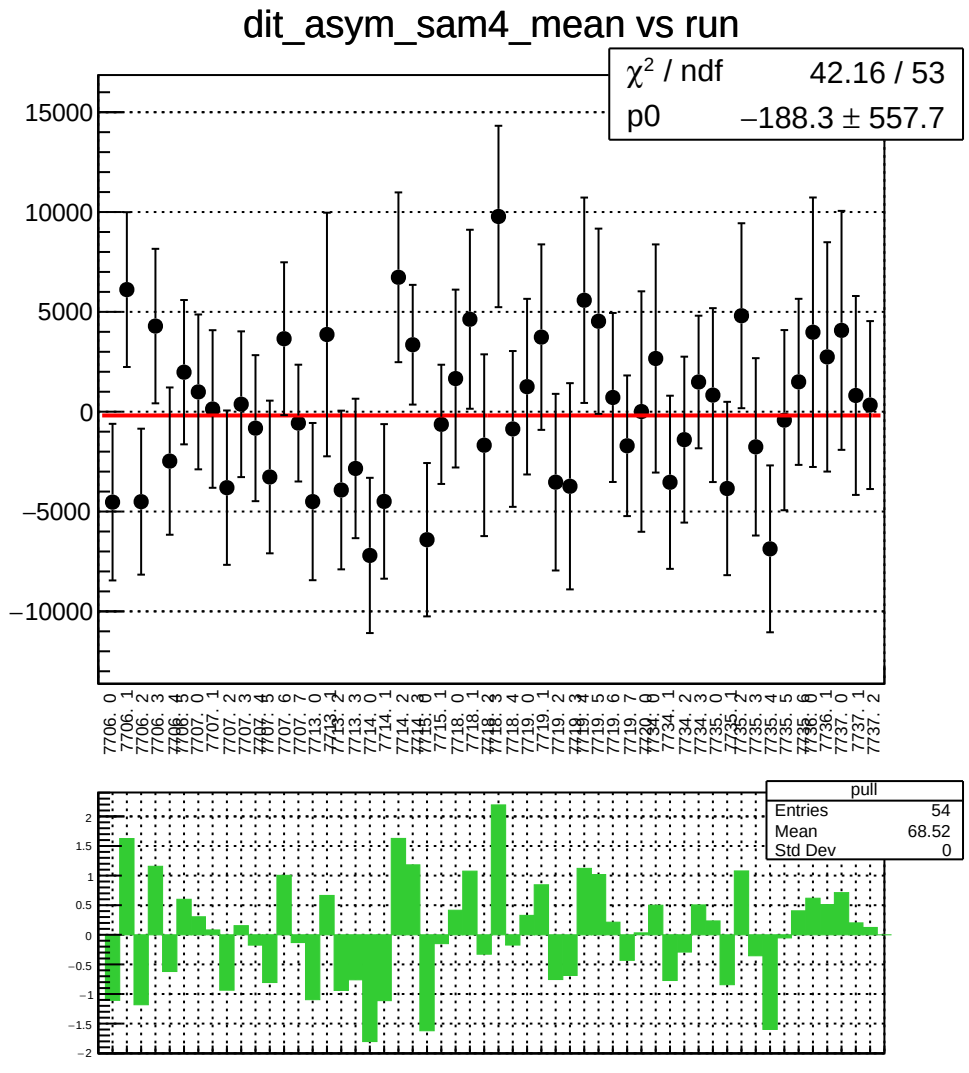

pull1D
Entries 54
Mean 0.02545
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

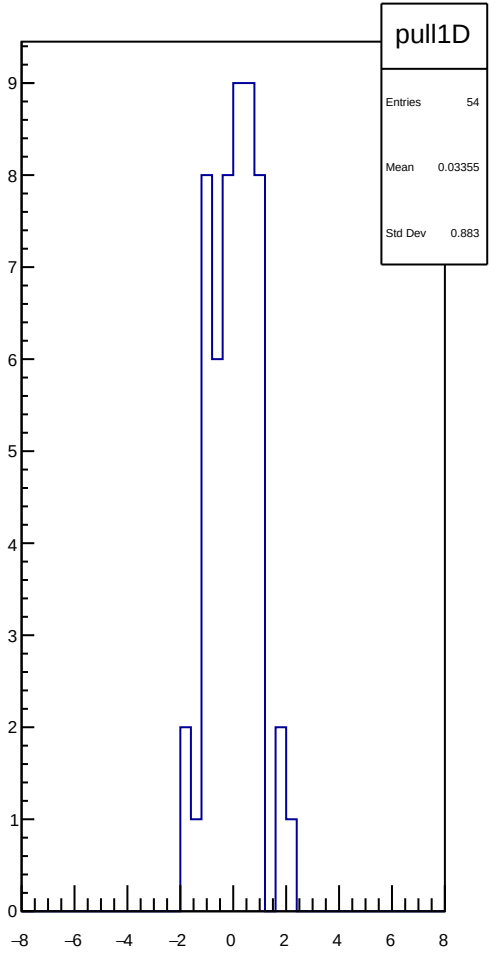

eigen_cor_asym_sam4_rms vs run
χ² / ndf 1.02e+04 / 53
p0 346.1 ± 0.3374
500
450
400
350
300

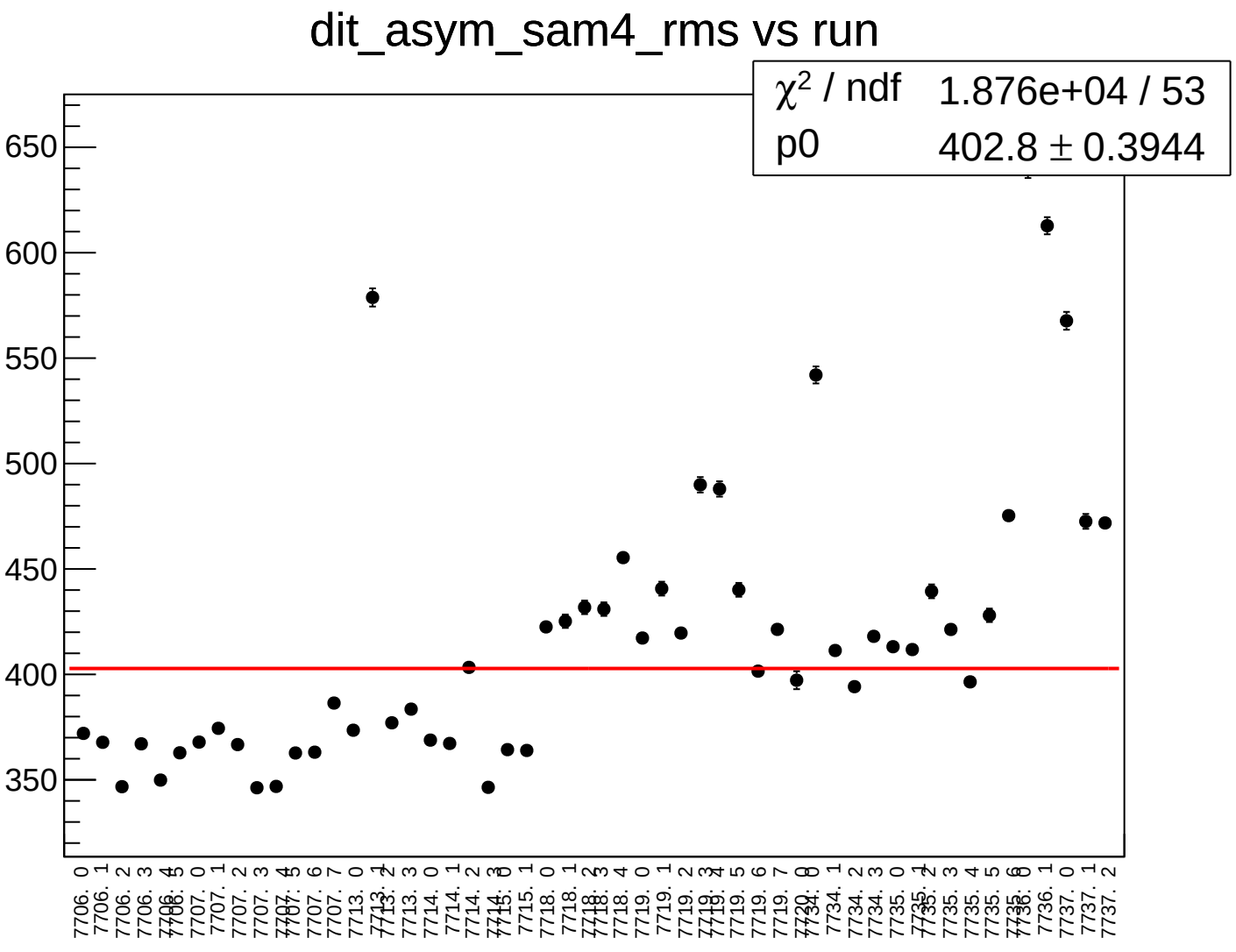

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 38.45 / 53
p0 2952 ± 6547
×10³
pull
Entries 54
Mean 1465
Std Dev 0

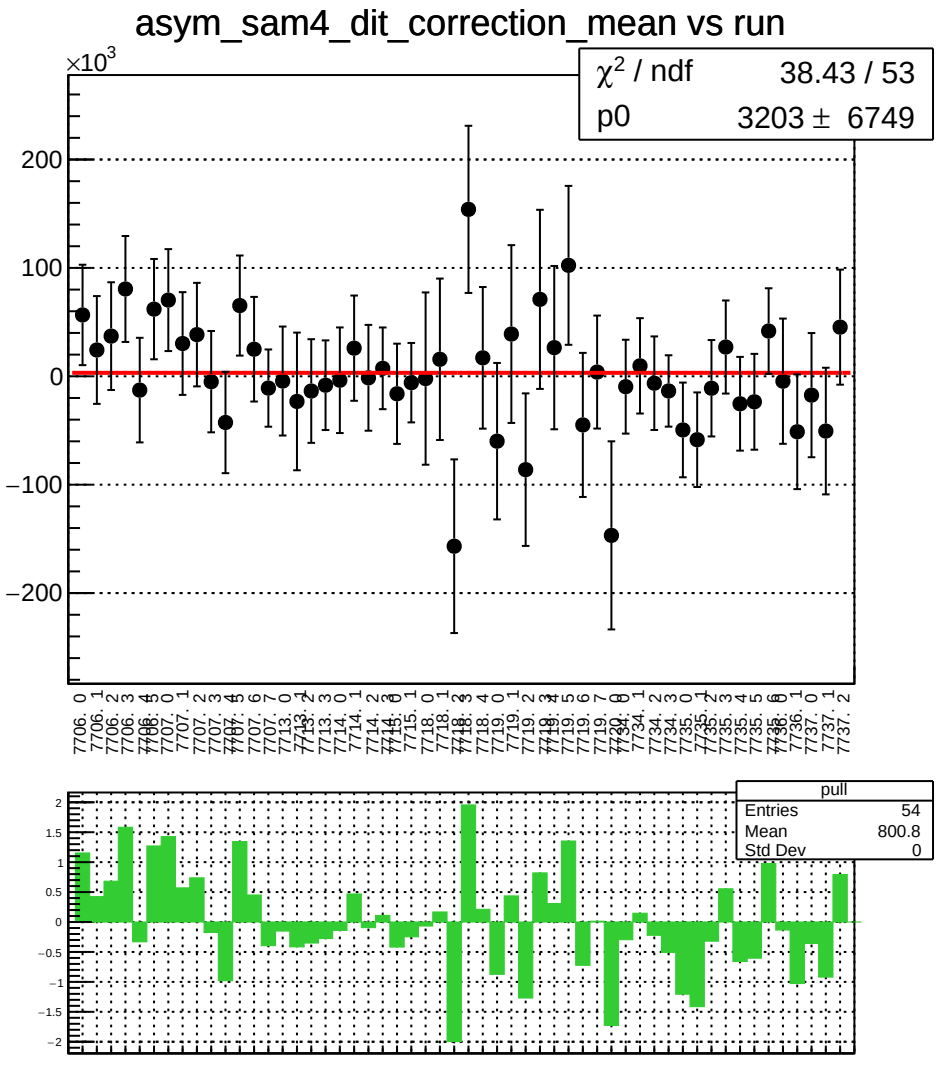

pull1D
Entries 54
Mean −0.003396
Std Dev 0.8438

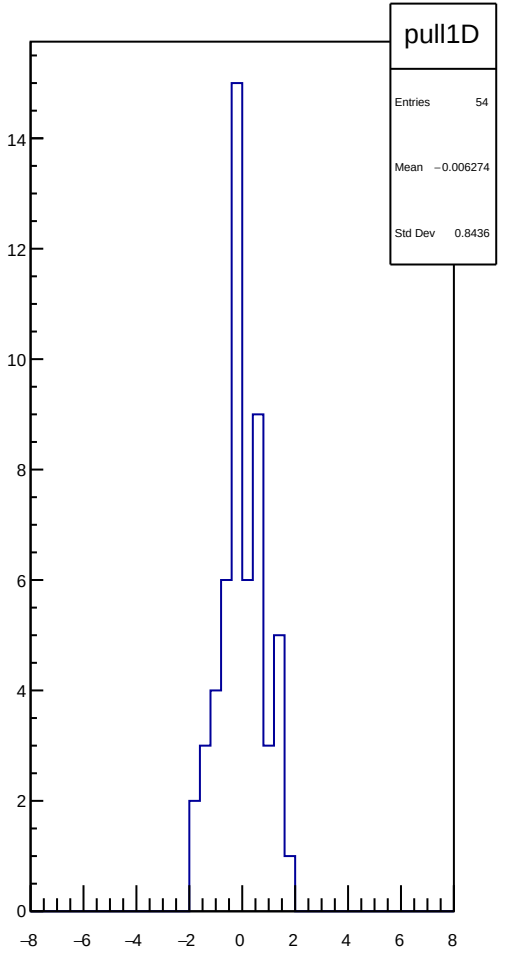

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 3.821e+04 / 53
p0 4684 ± 4.629
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500

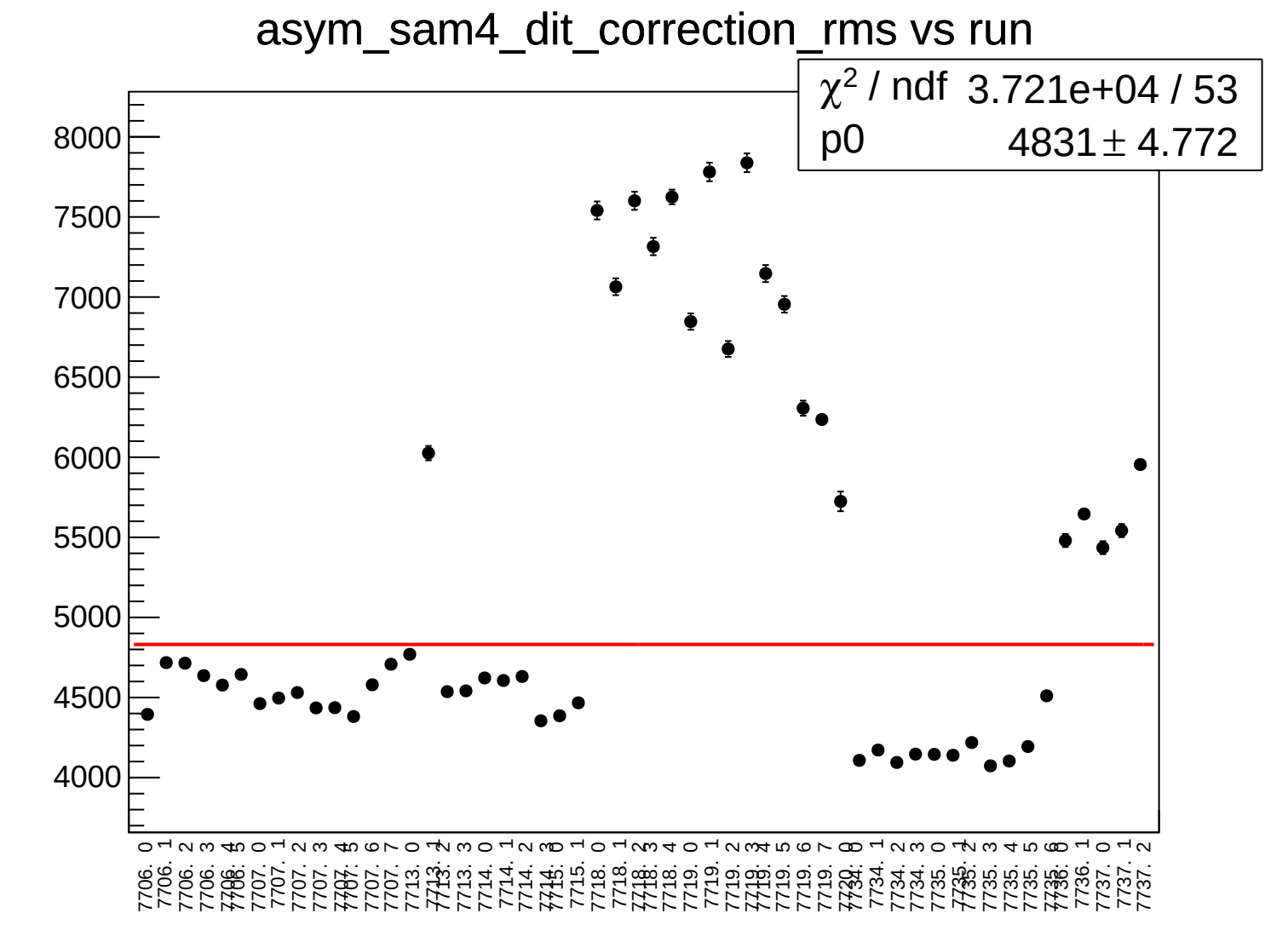

dit_asym_sam4_mean vs run
χ² / ndf 42.16 / 53
p0 −188.3 ± 557.7
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 68.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

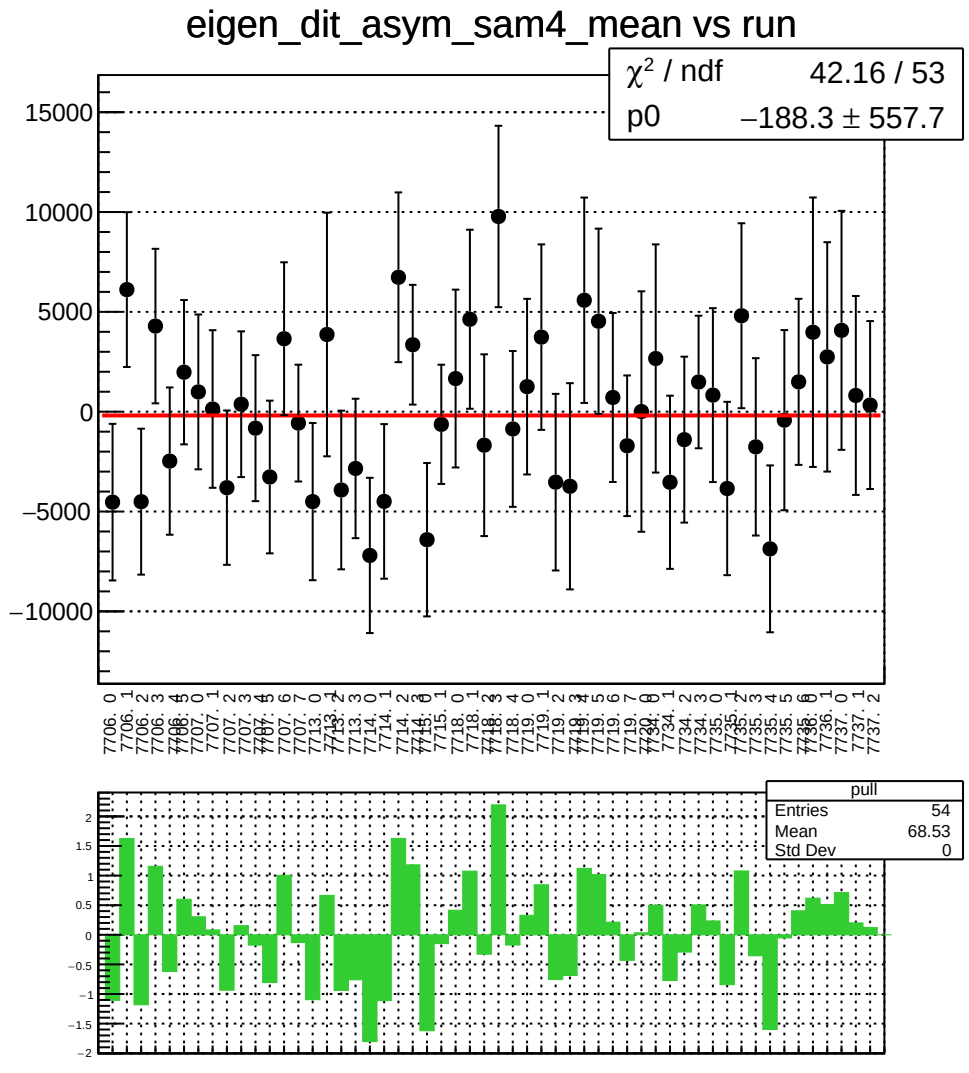

pull1D
Entries 54
Mean 0.03355
Std Dev 0.883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

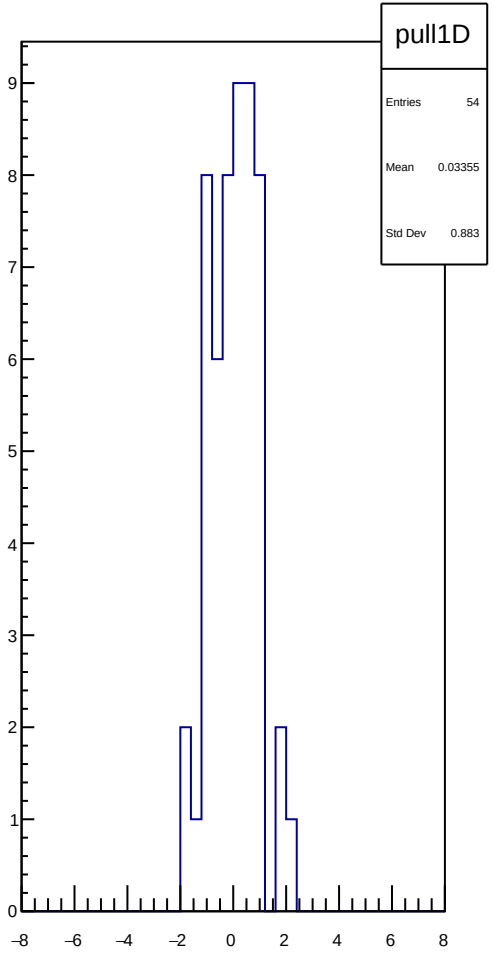

dit_asym_sam4_rms vs run
χ² / ndf 1.876e+04 / 53
p0 402.8 ± 0.3944
650
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

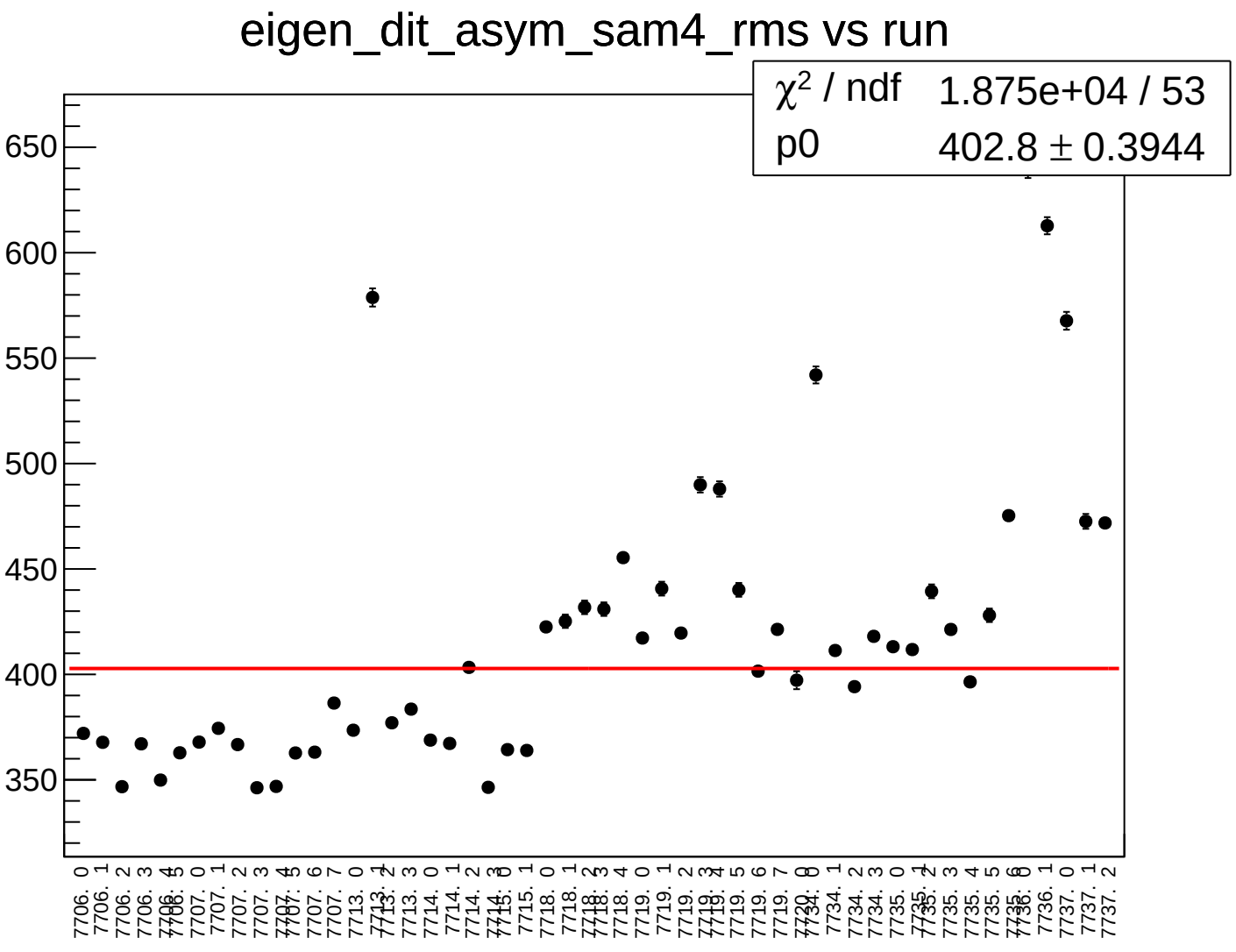

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 38.43 / 53
p0 3203 ± 6749
200
100
0
−100
−200
pull
Entries 54
Mean 800.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

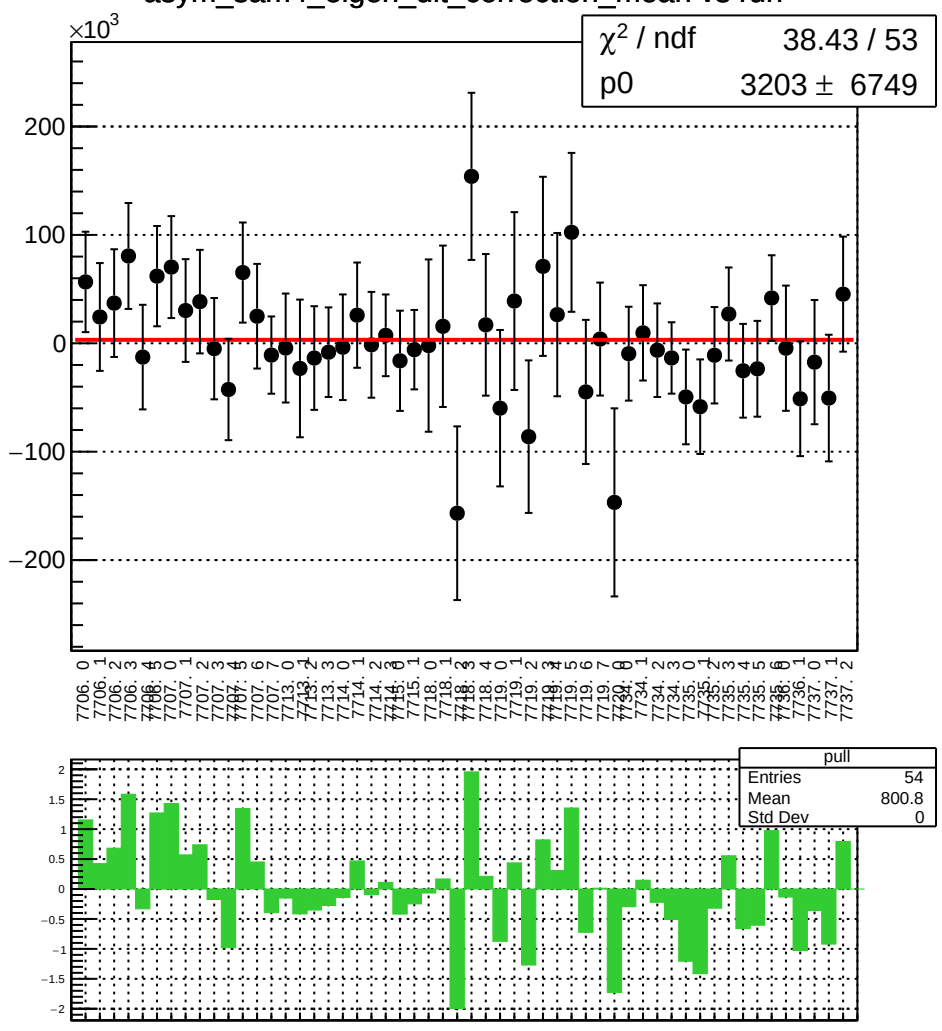

pull1D
Entries 54
Mean −0.006274
Std Dev 0.8436
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

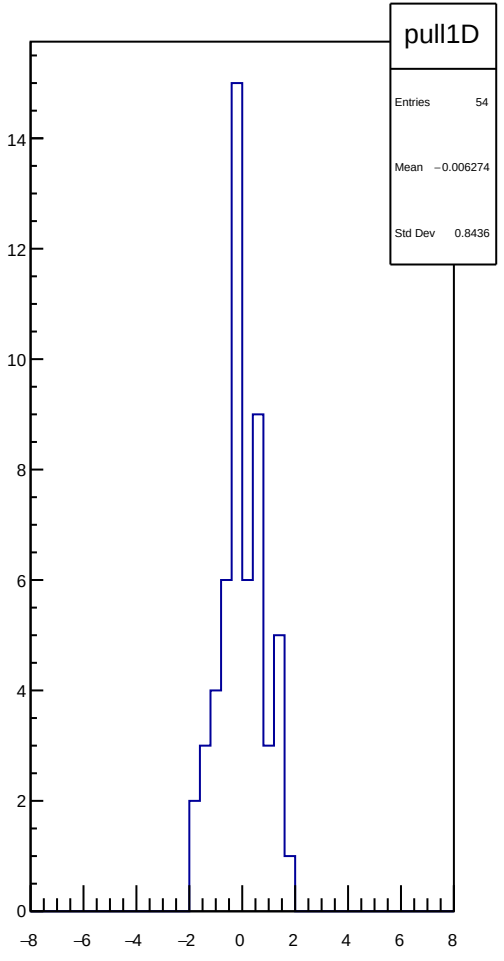

asym_sam4_dit_correction_rms vs run
χ² / ndf 3.721e+04 / 53
p0 4831 ± 4.772
8000
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

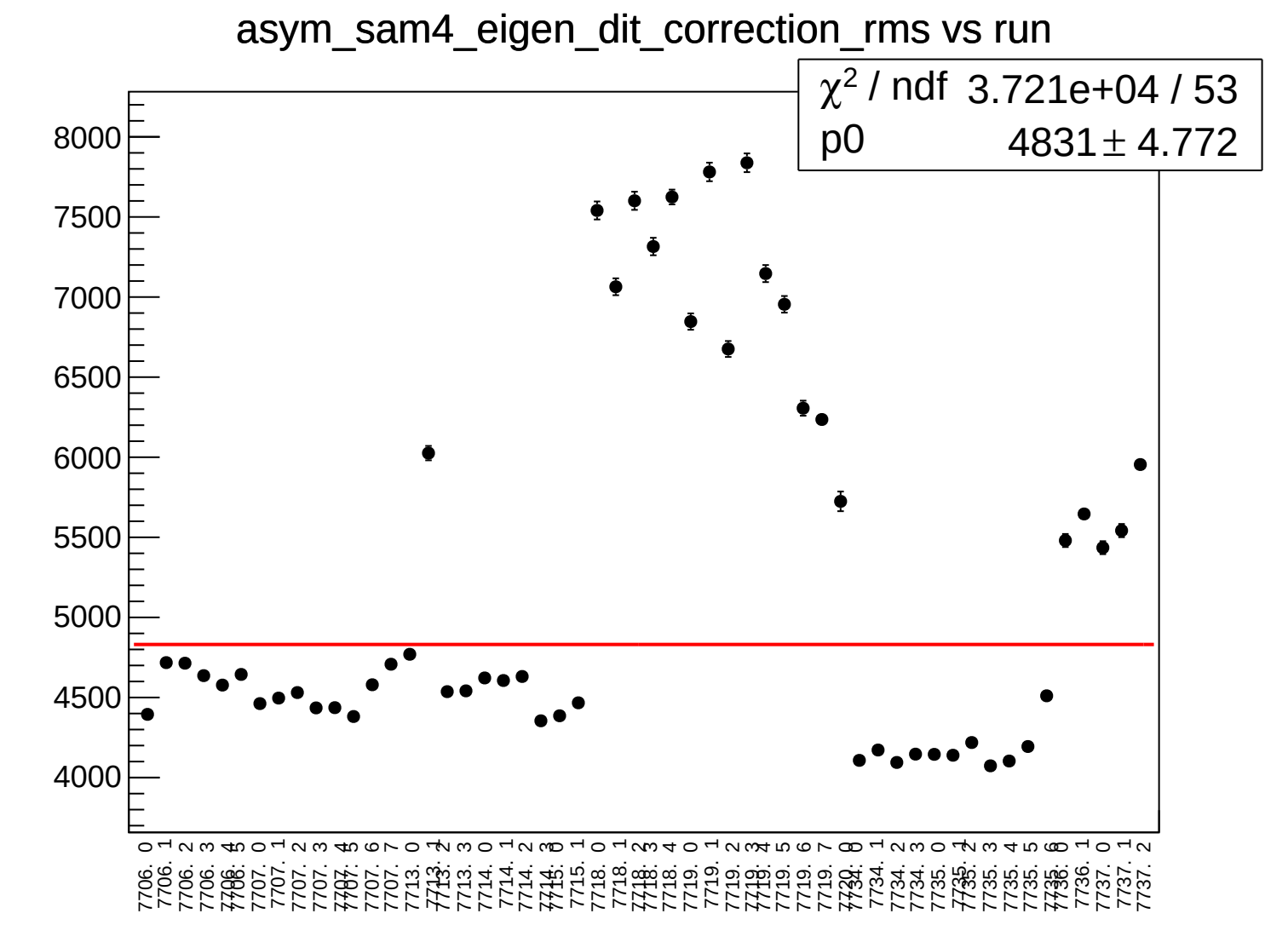

eigen_dit_asym_sam4_mean vs run
χ² / ndf 42.16 / 53
p0 −188.3 ± 557.7
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 68.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

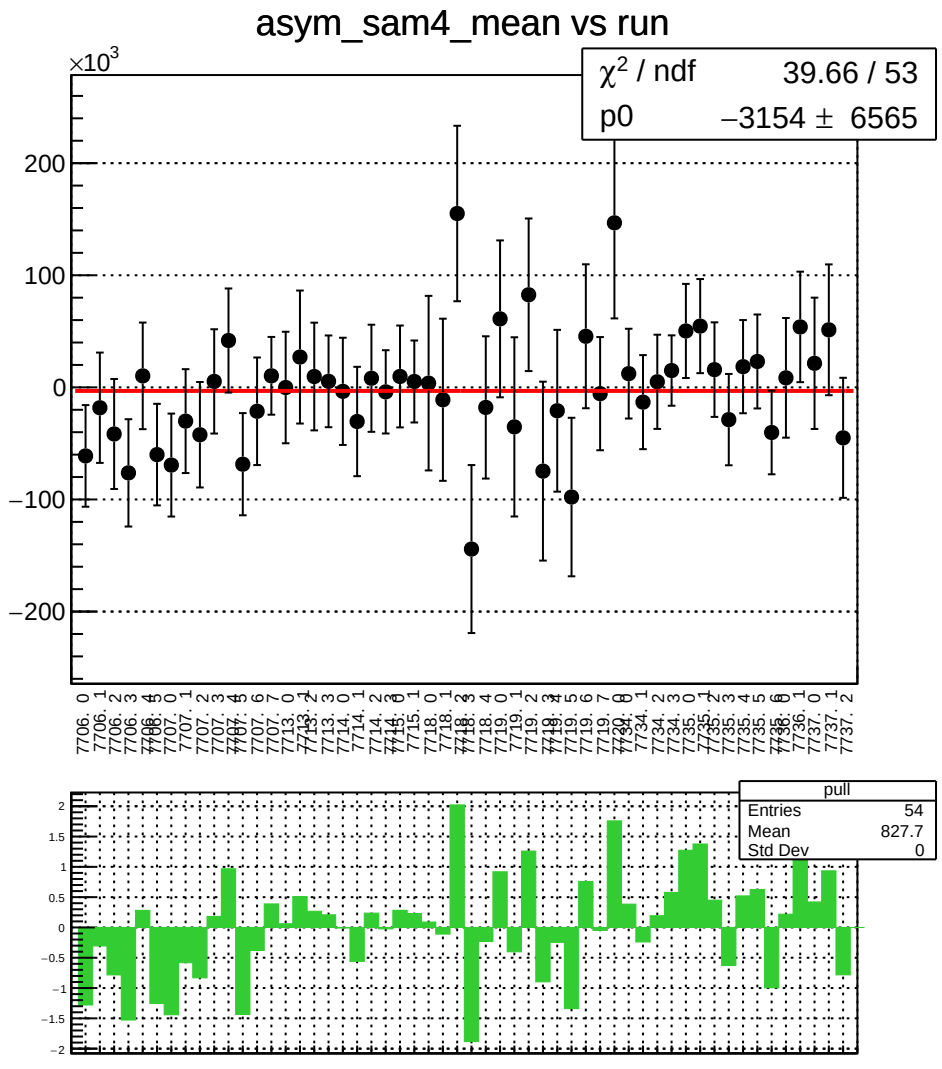

pull1D
Entries 54
Mean 0.03355
Std Dev 0.883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

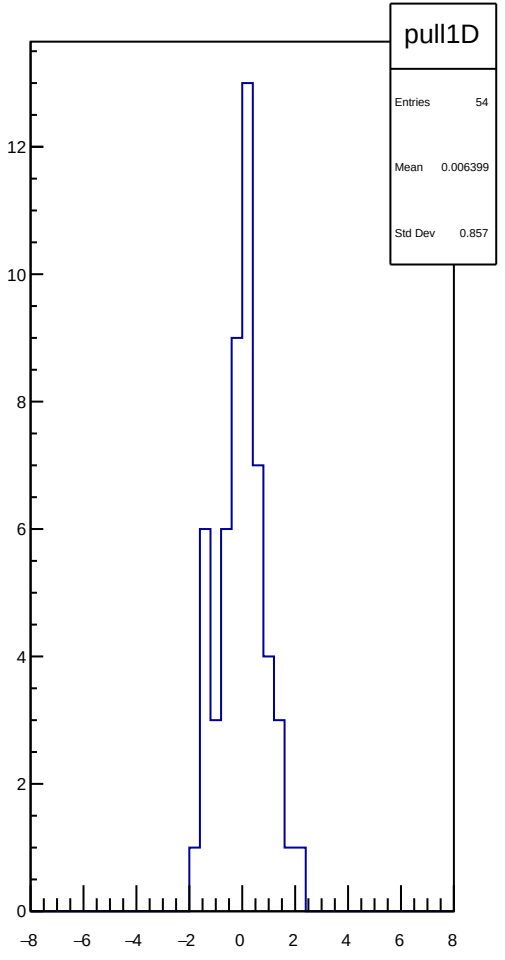

eigen_dit_asym_sam4_rms vs run
χ² / ndf 1.875e+04 / 53
p0 402.8 ± 0.3944
650
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

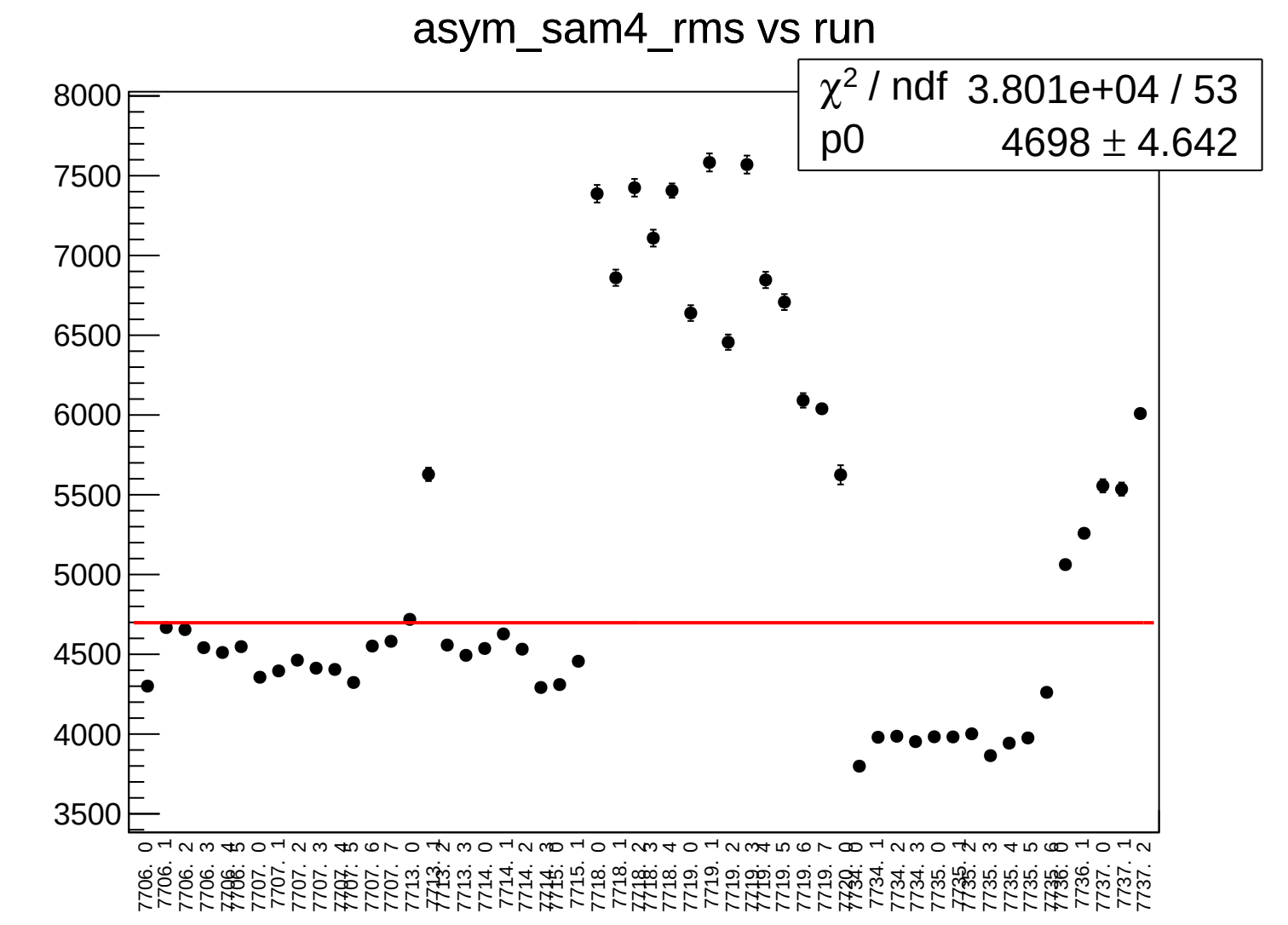

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.43 / 53
p0 3203 ± 6749
200
100
0
−100
−200
pull
Entries 54
Mean 800.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

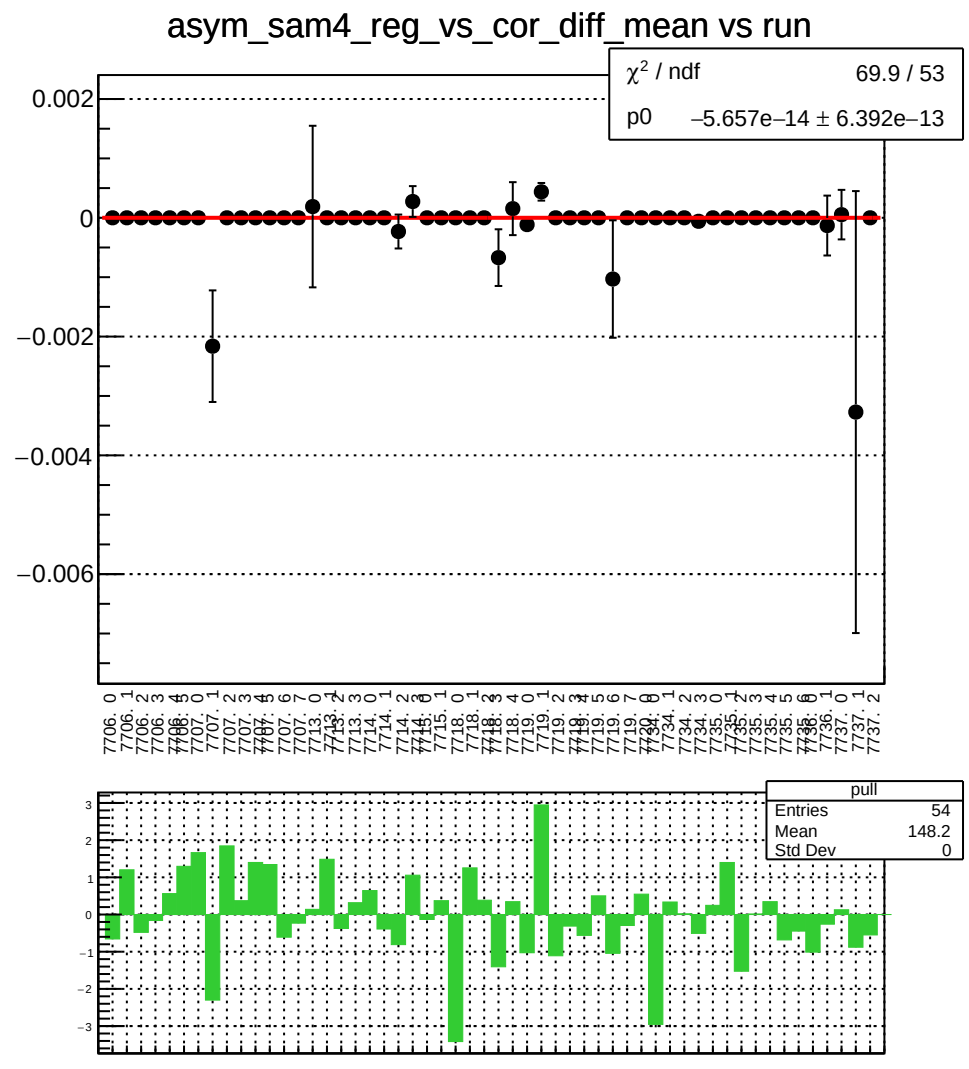

pull1D
Entries 54
Mean −0.006274
Std Dev 0.8436
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

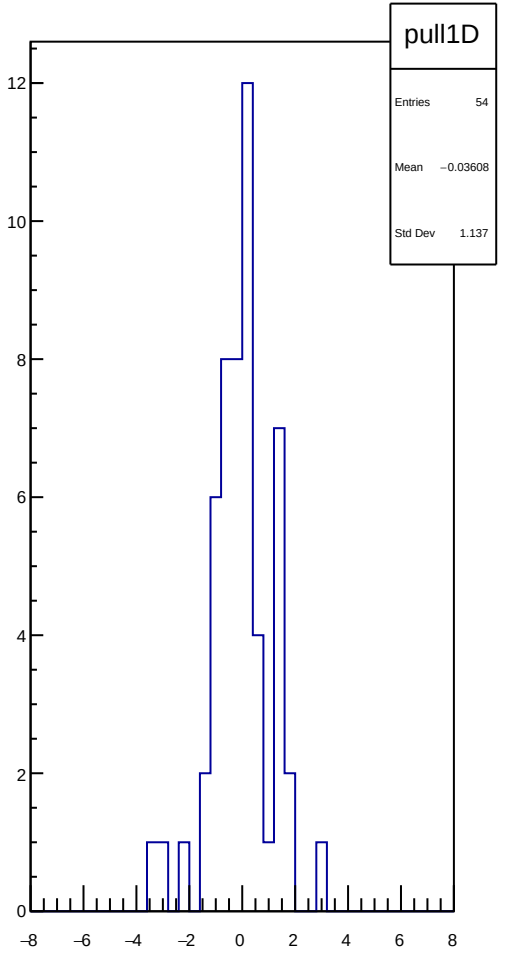

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 3.721e+04 / 53
p0 4831 ± 4.772
8000
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

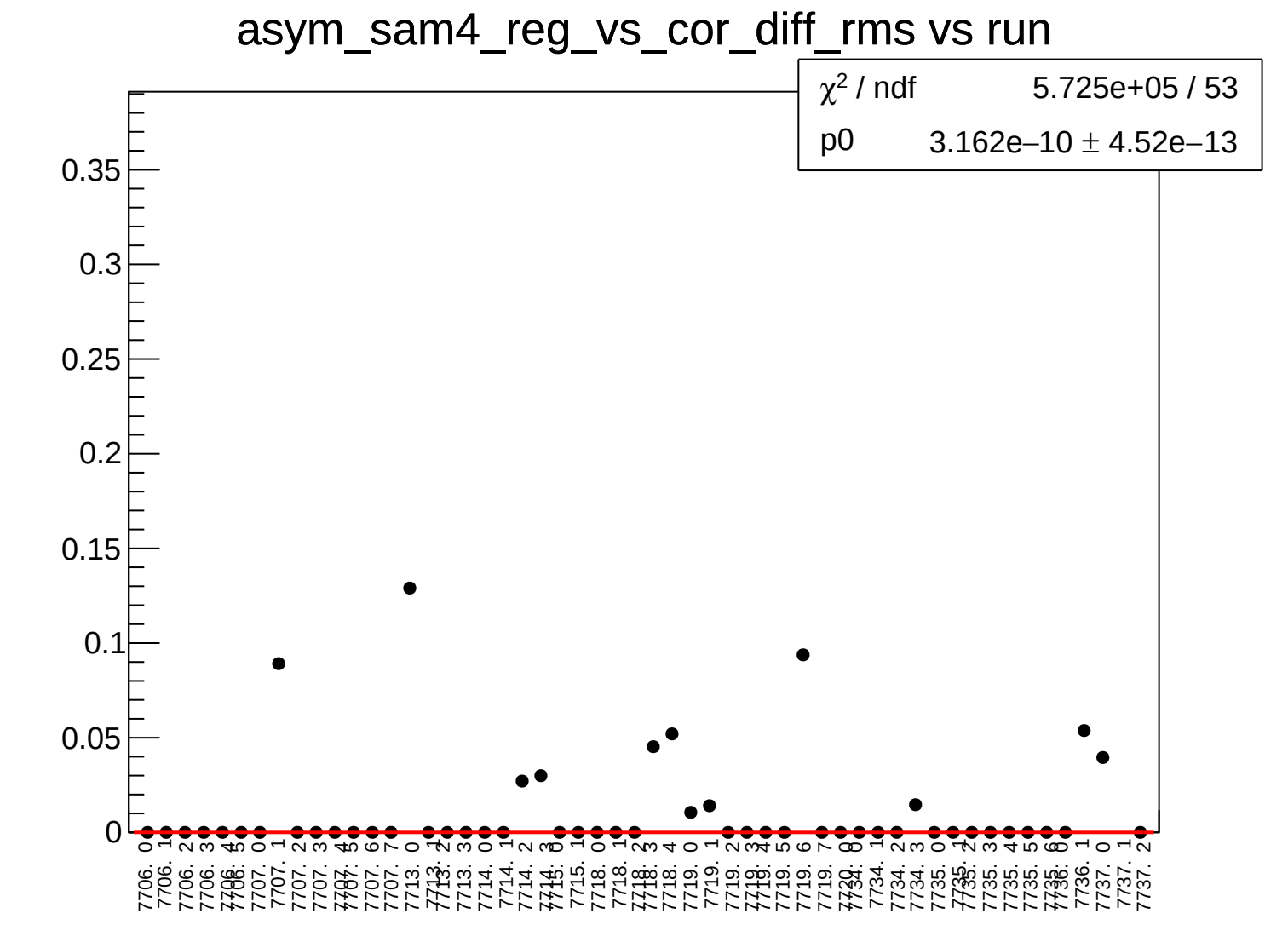

asym_sam4_mean vs run
×10^3
χ² / ndf 39.66 / 53
p0 −3154 ± 6565
200
100
0
−100
−200
pull
Entries 54
Mean 827.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

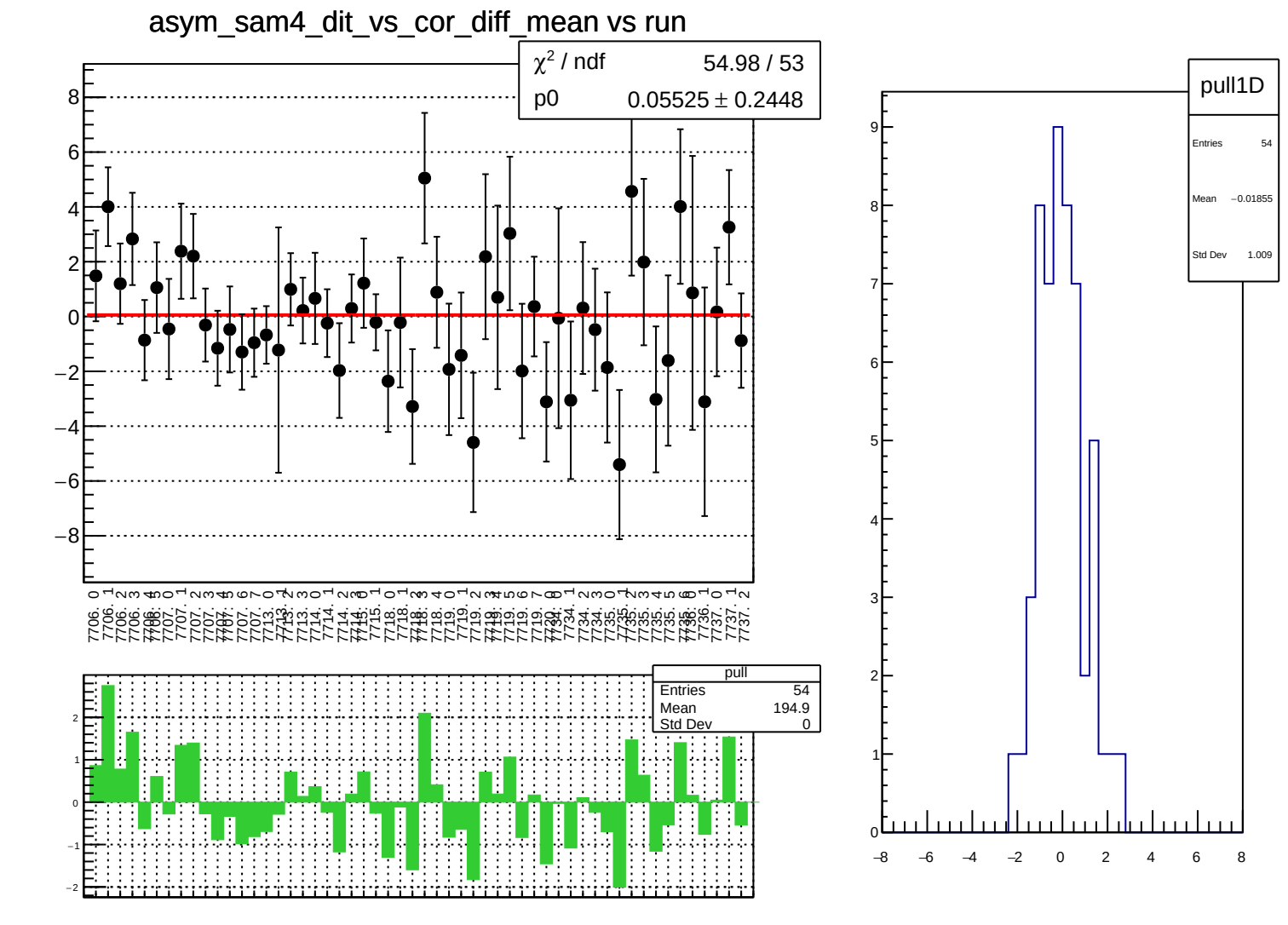

pull1D
Entries 54
Mean 0.006399
Std Dev 0.857
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

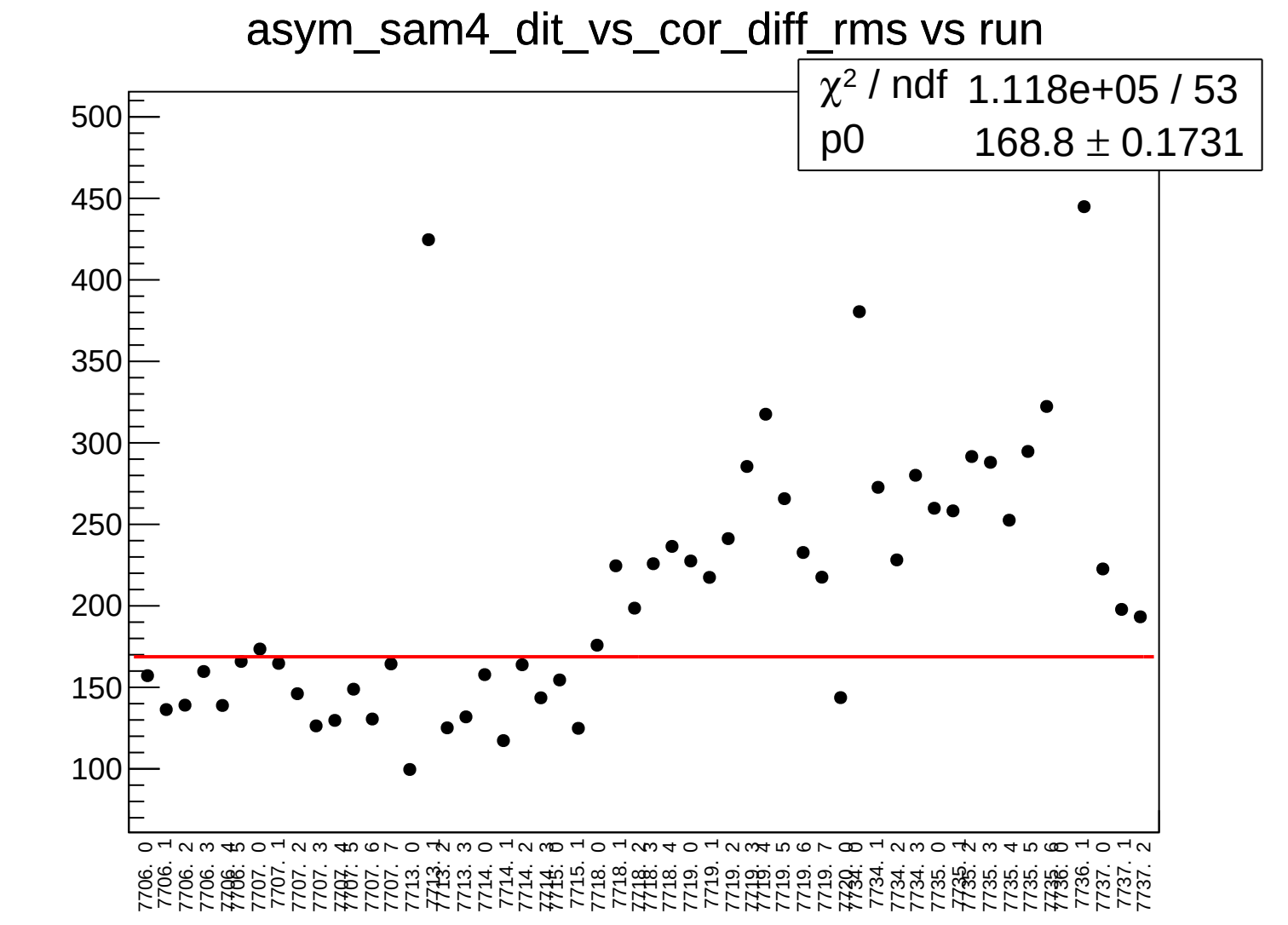

asym_sam4_rms vs run
χ² / ndf 3.801e+04 / 53
p0 4698 ± 4.642
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500

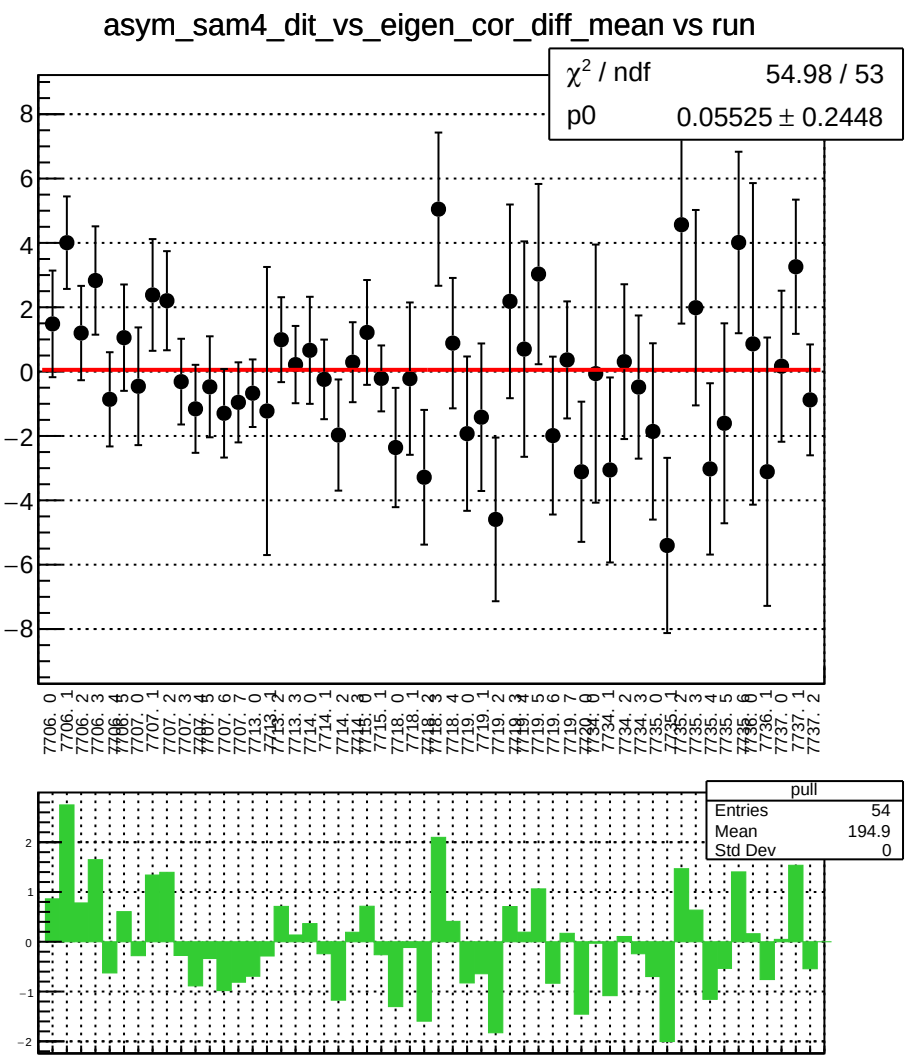

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 69.9 / 53
p0 −5.657e−14 ± 6.392e−13
0.002
0
−0.002
−0.004
−0.006
pull
Entries 54
Mean 148.2
Std Dev 0
3
2
1
0
−1
−2
−3

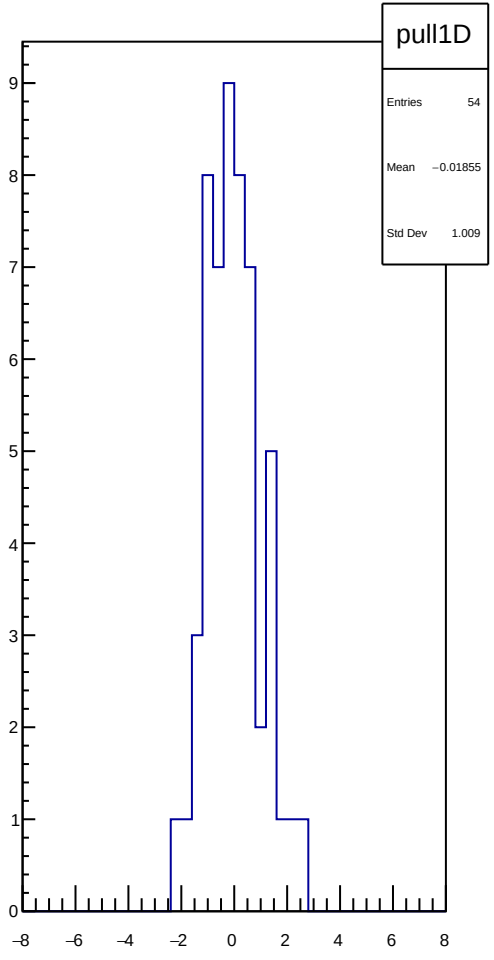

pull1D
Entries 54
Mean −0.03608
Std Dev 1.137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

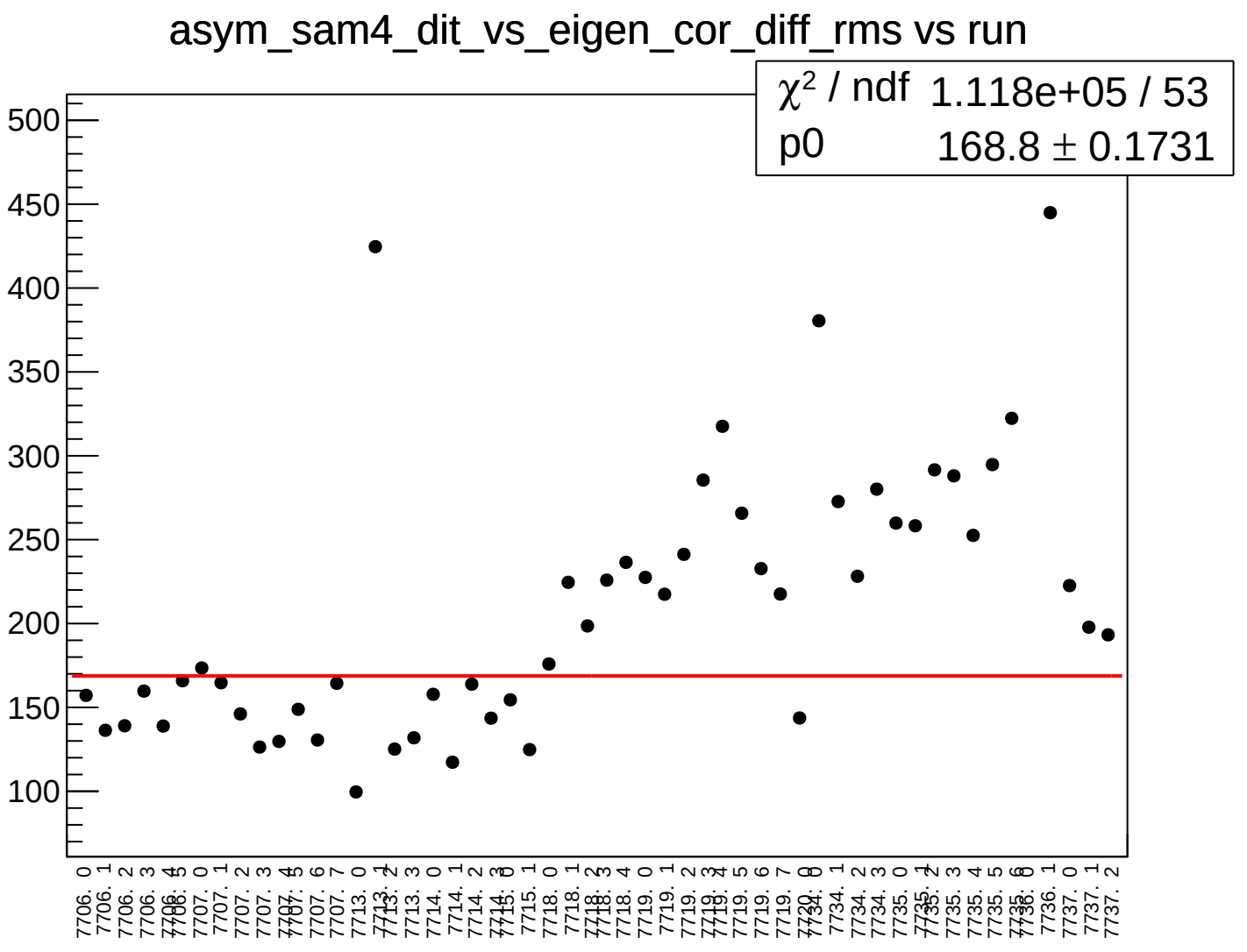

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.725e+05 / 53
p0 3.162e−10 ± 4.52e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

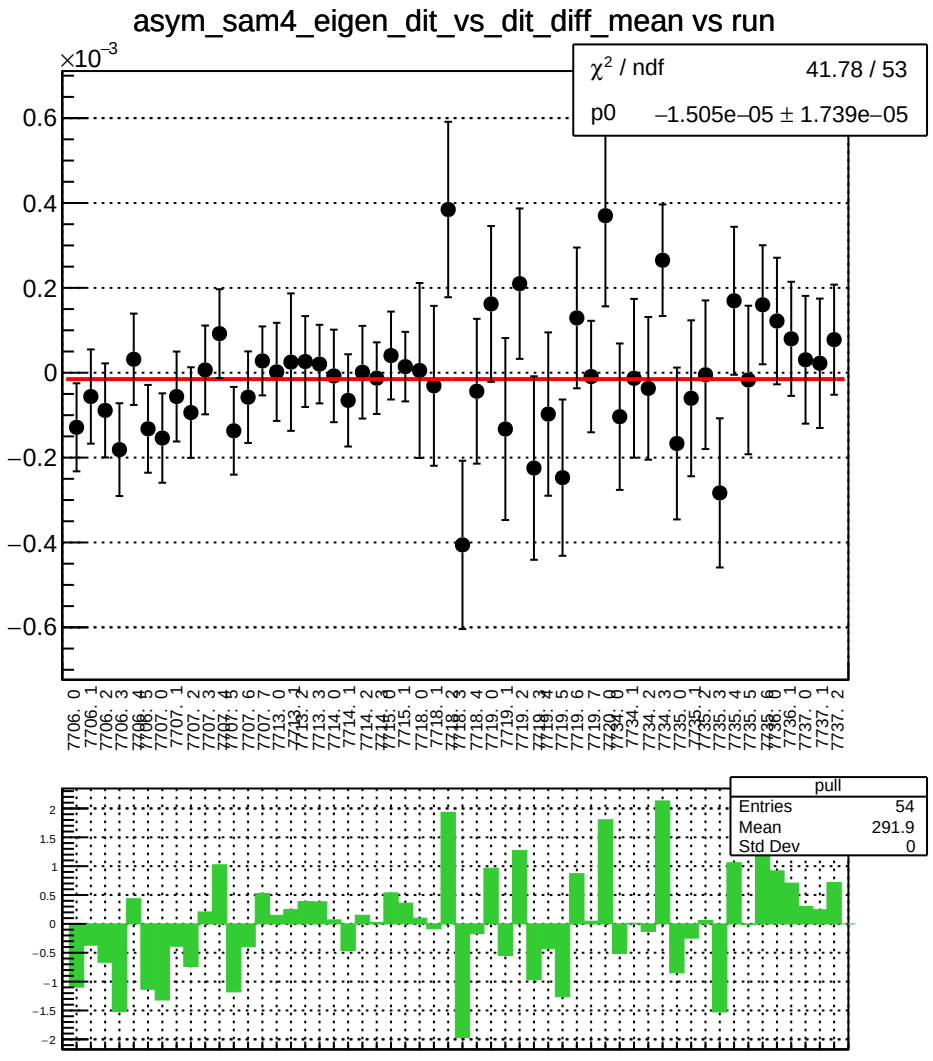

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 54.98 / 53
p0 0.05525 ± 0.2448
pull
Entries 54
Mean 194.9
Std Dev 0
pull1D
Entries 54
Mean −0.01855
Std Dev 1.009

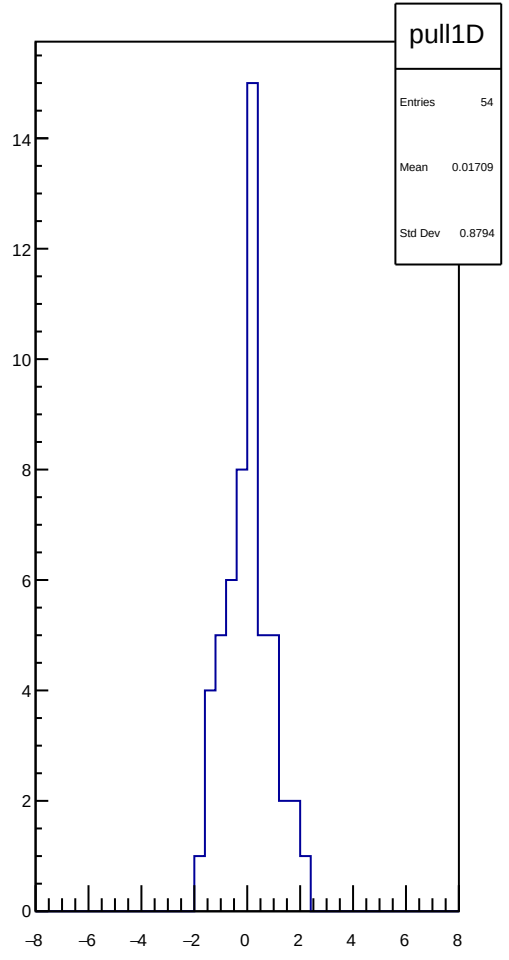

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 168.8 ± 0.1731
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

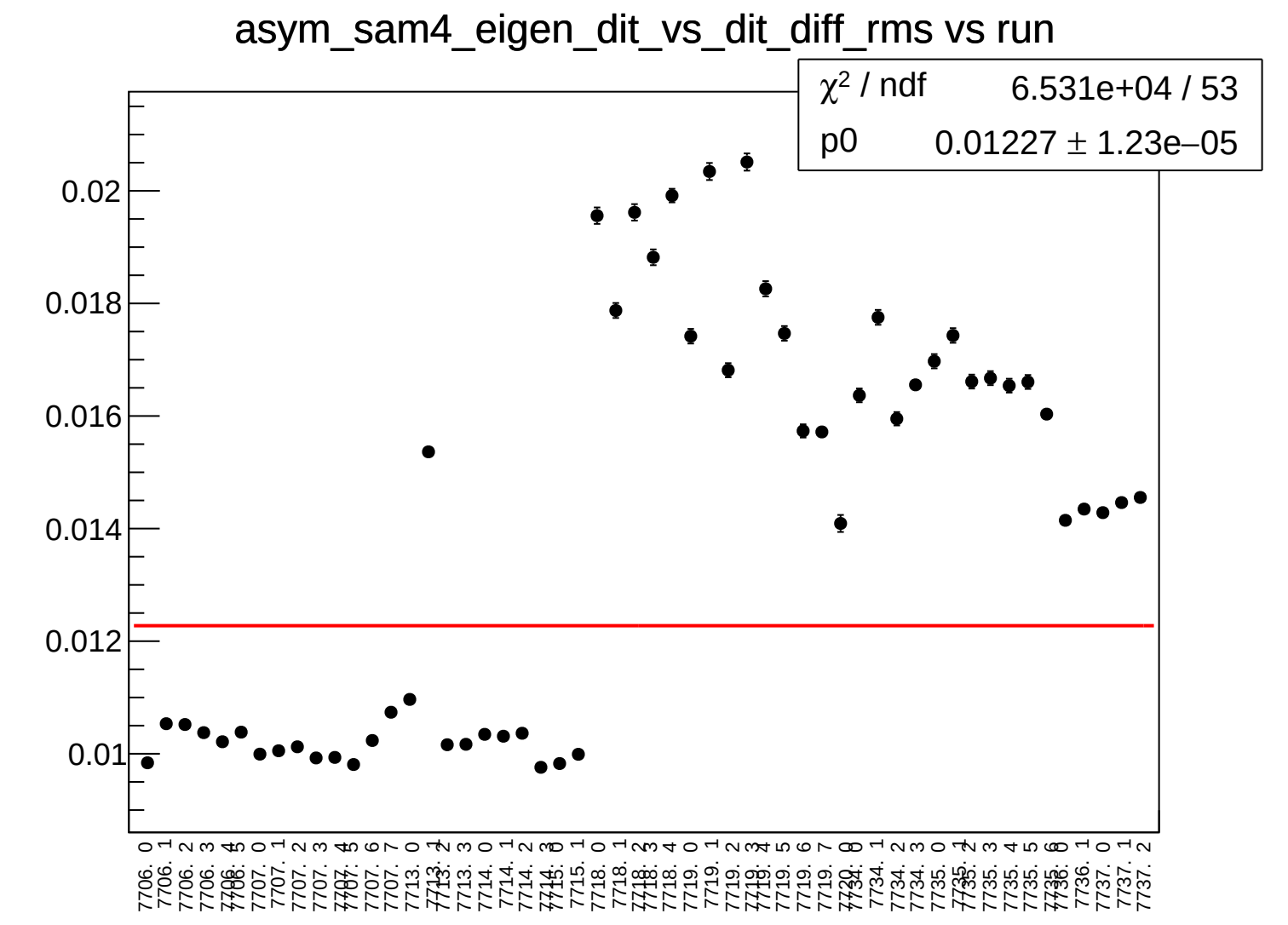

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.98 / 53
p0 0.05525 ± 0.2448
pull
Entries 54
Mean 194.9
Std Dev 0

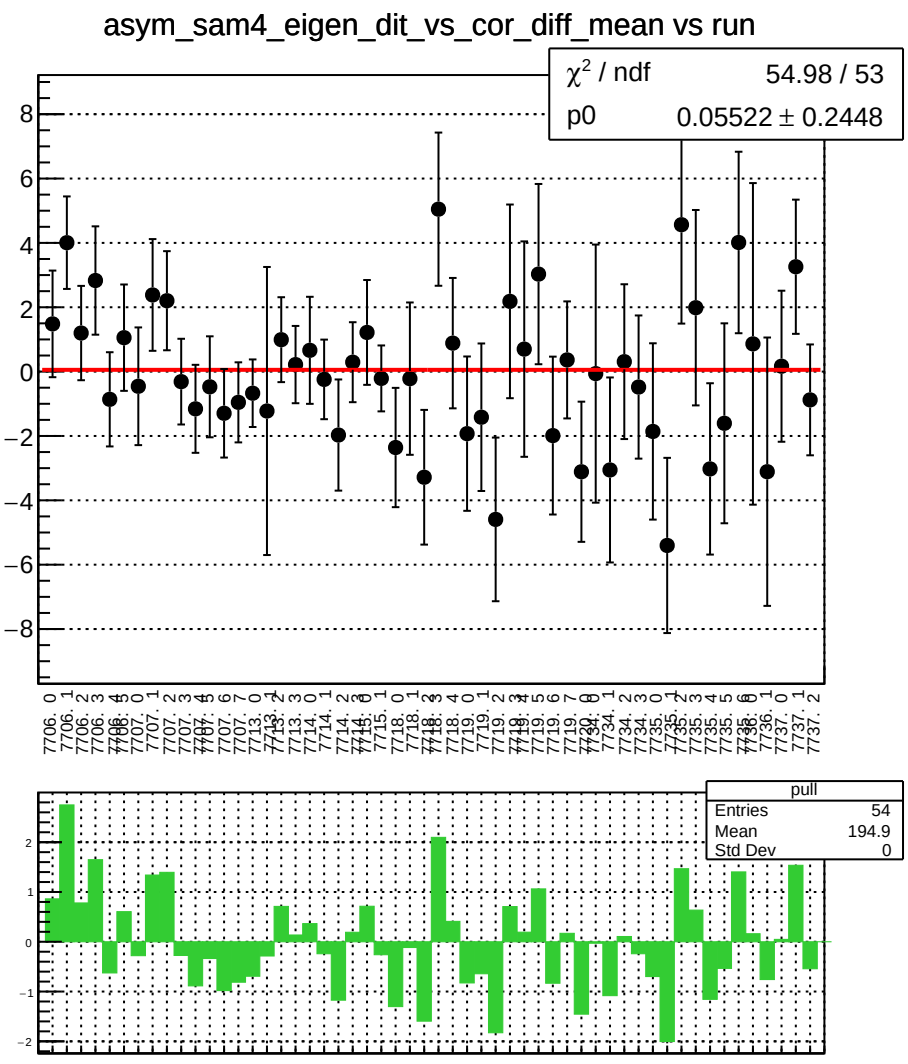

pull1D
Entries 54
Mean −0.01855
Std Dev 1.009

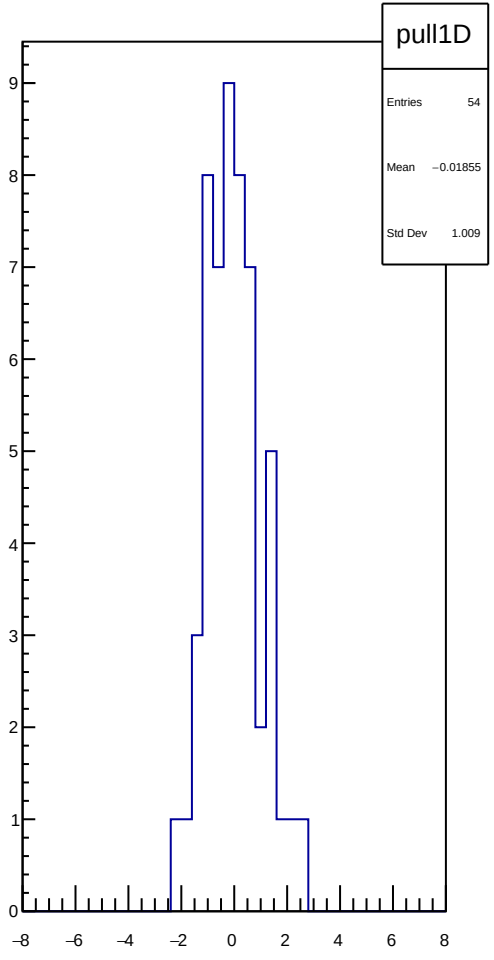

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 168.8 ± 0.1731
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

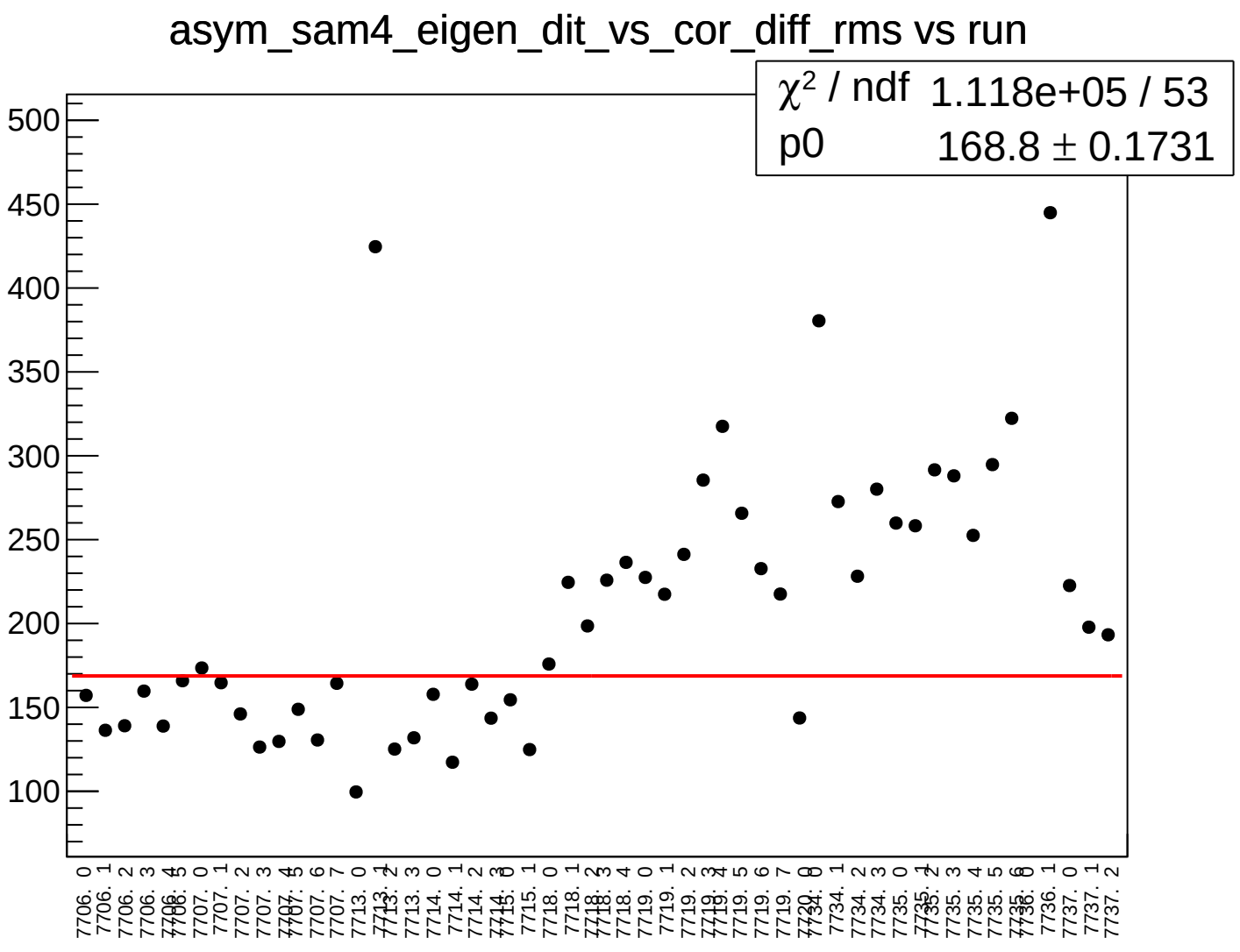

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.78 / 53
p0 −1.505e−05 ± 1.739e−05
pull
Entries 54
Mean 291.9
Std Dev 0


pull1D
Entries 54
Mean 0.01709
Std Dev 0.8794

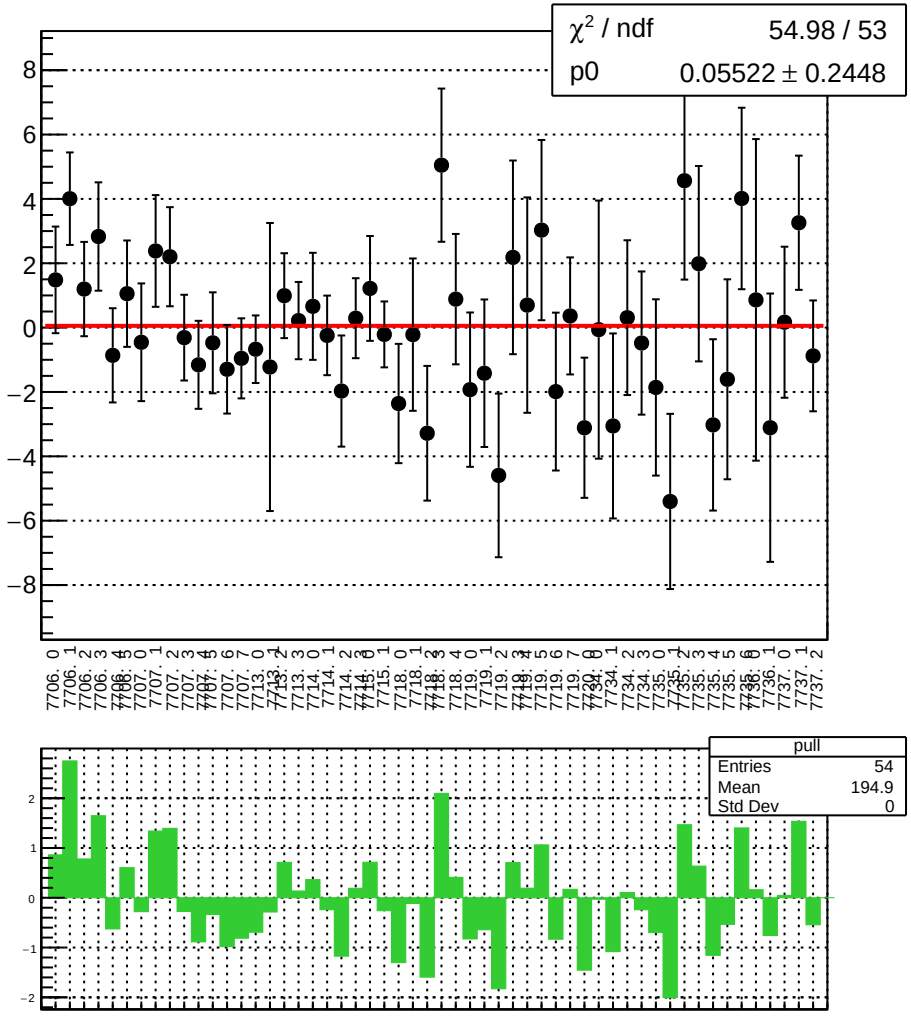

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.531e+04 / 53
p0 0.01227 ± 1.23e−05
0.02
0.018
0.016
0.014
0.012
0.01

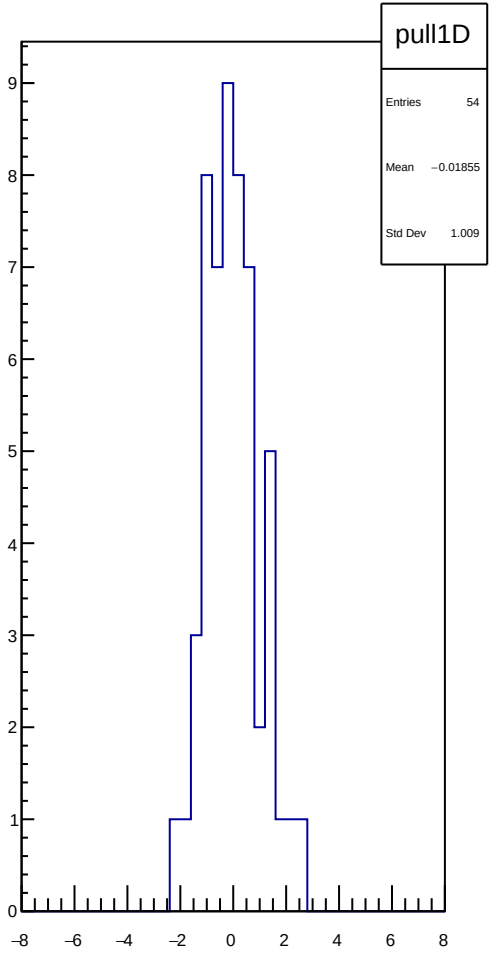

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.98 / 53
p0 0.05522 ± 0.2448
pull
Entries 54
Mean 194.9
Std Dev 0

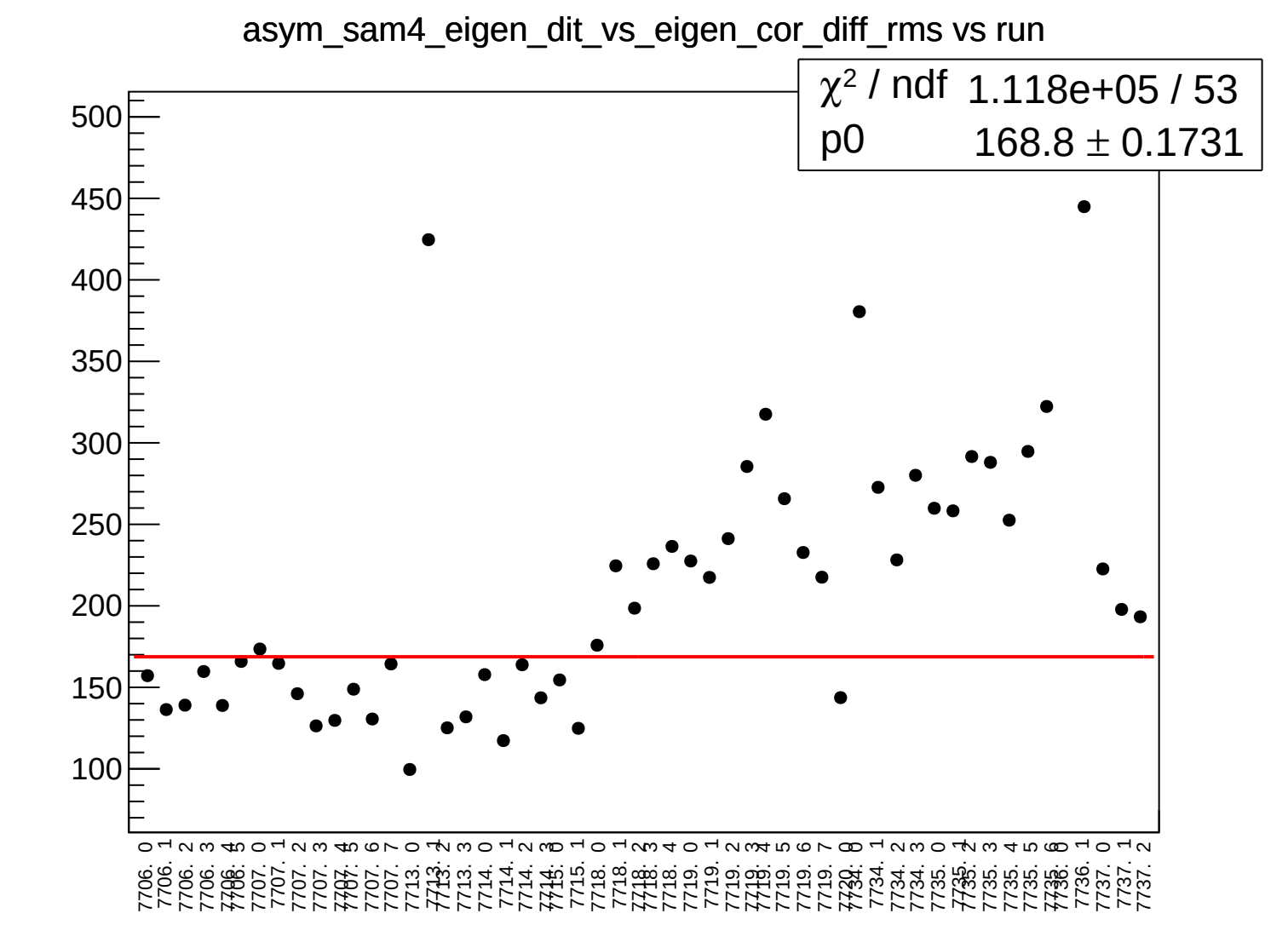

pull1D
Entries 54
Mean −0.01855
Std Dev 1.009

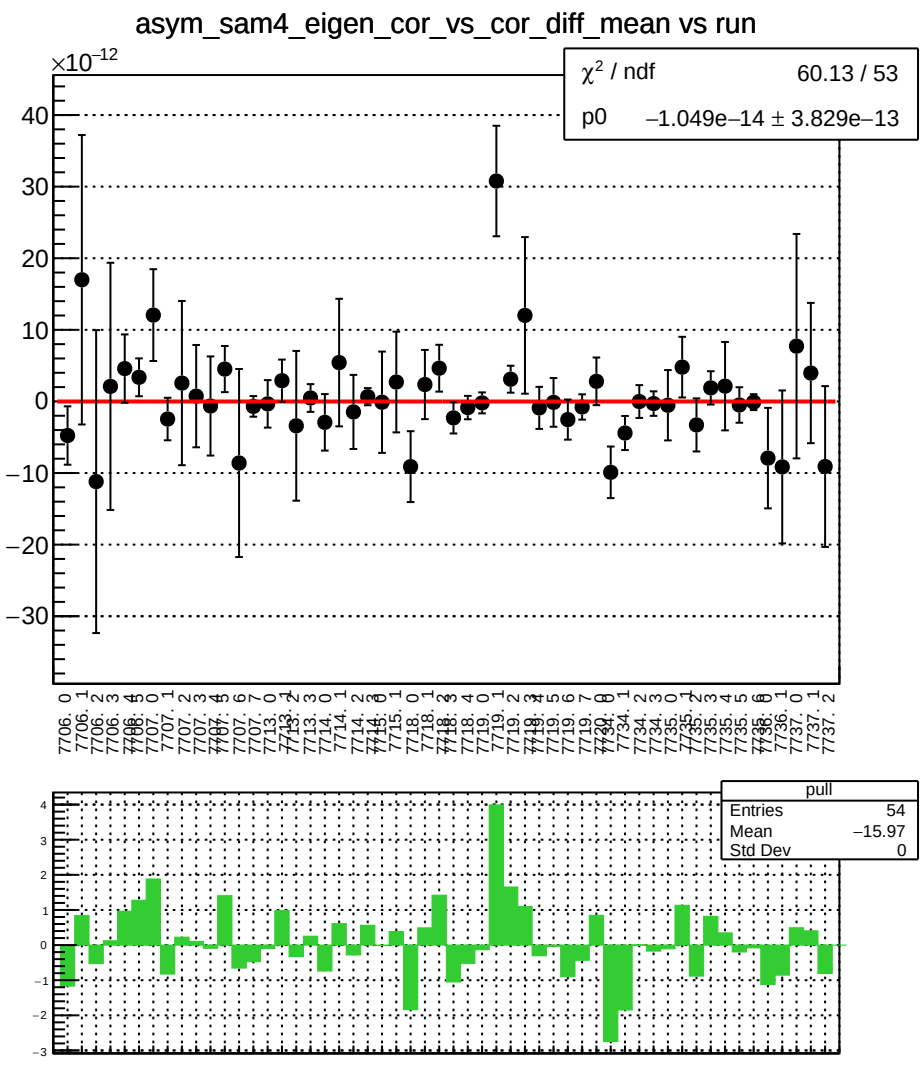

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 168.8 ± 0.1731
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

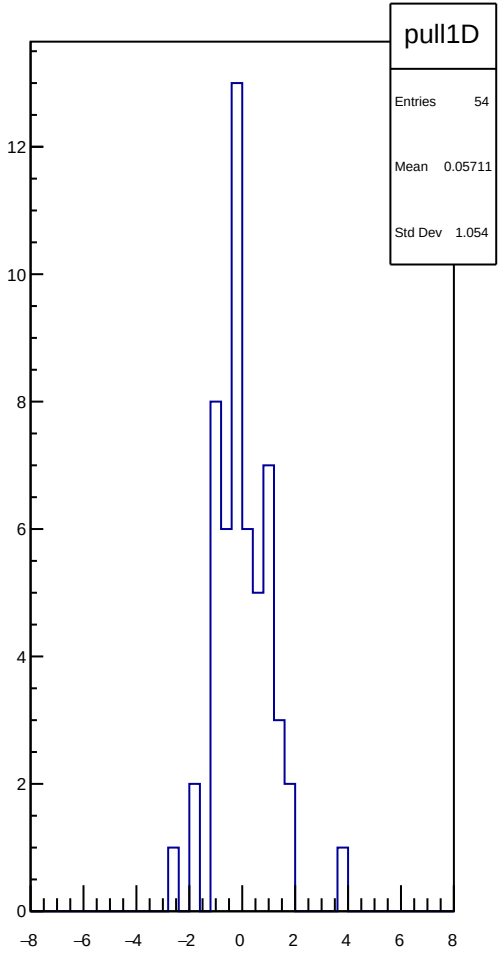
asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run

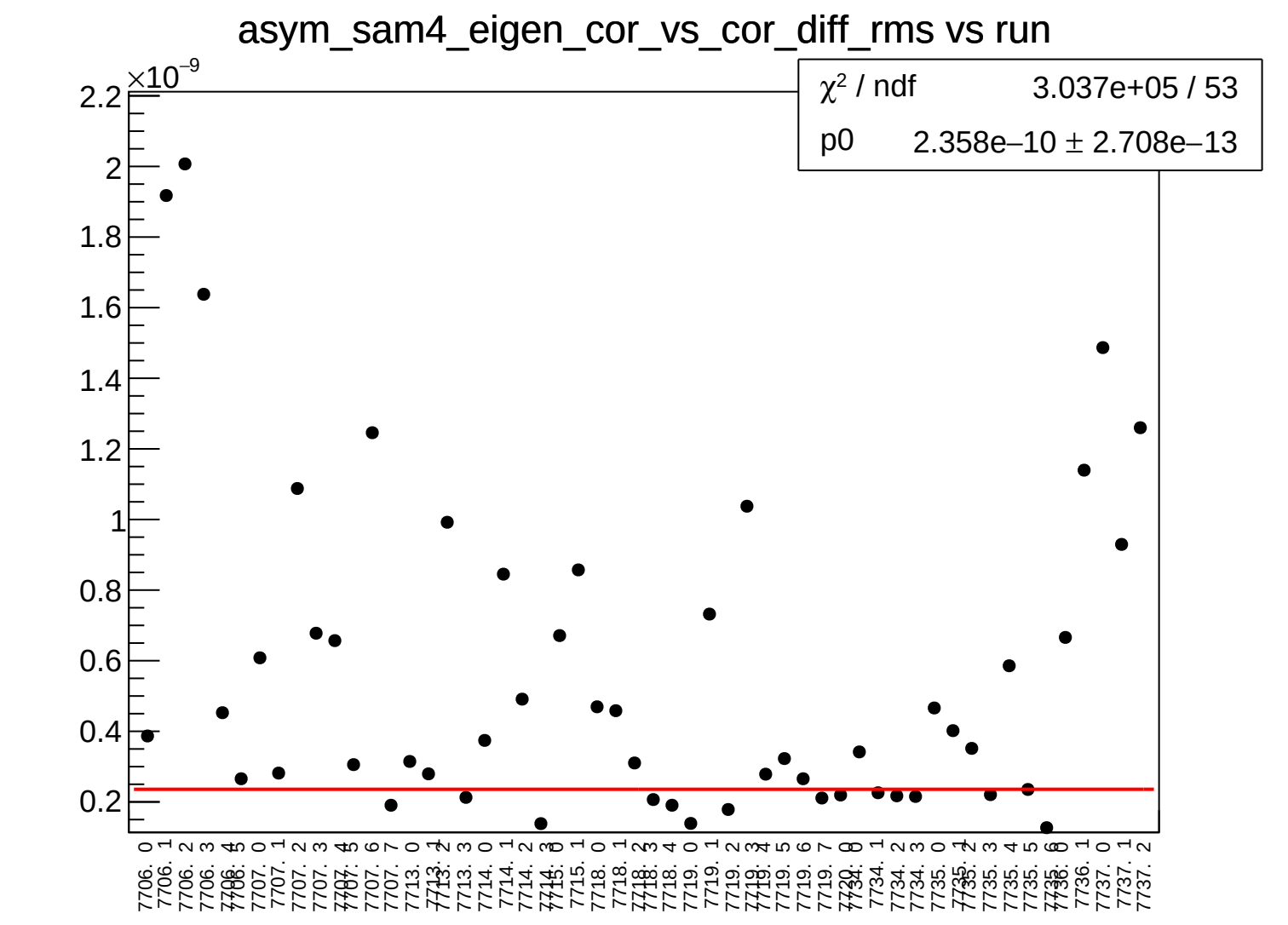


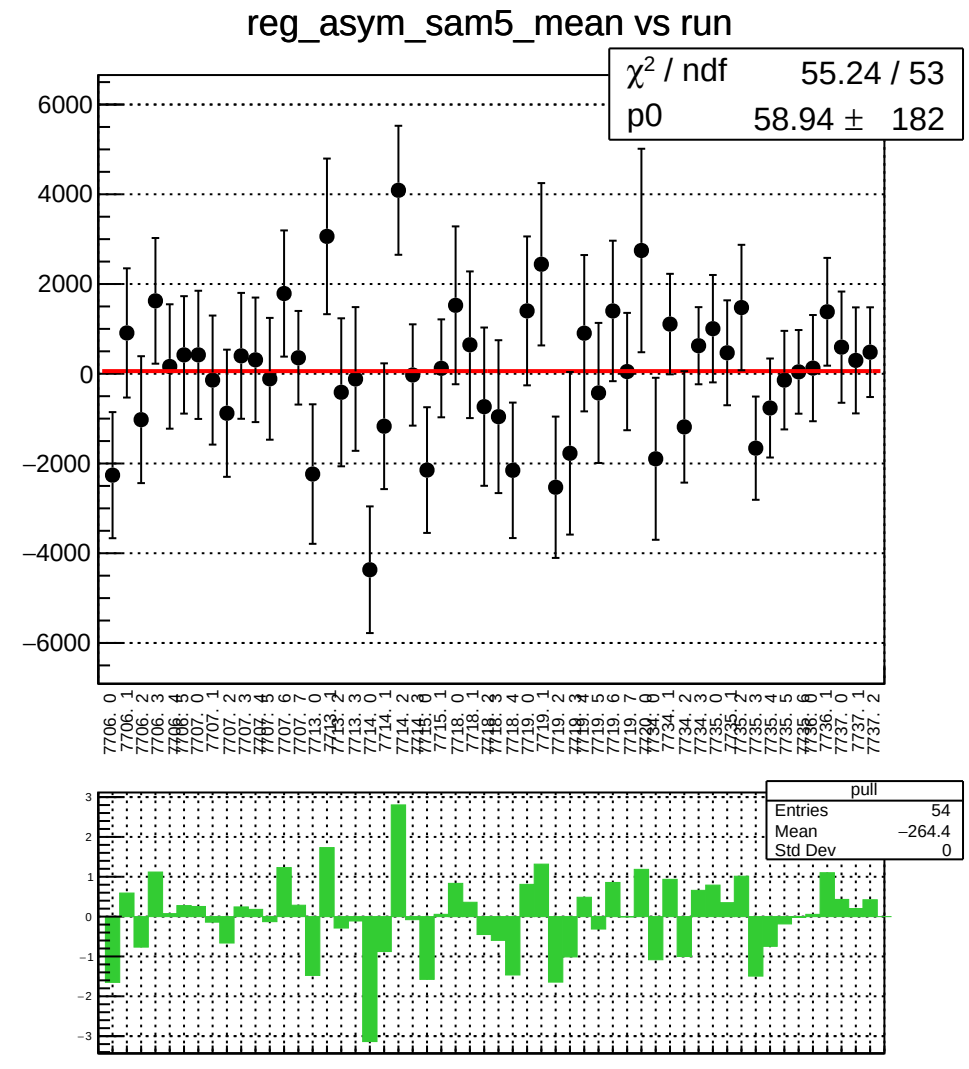


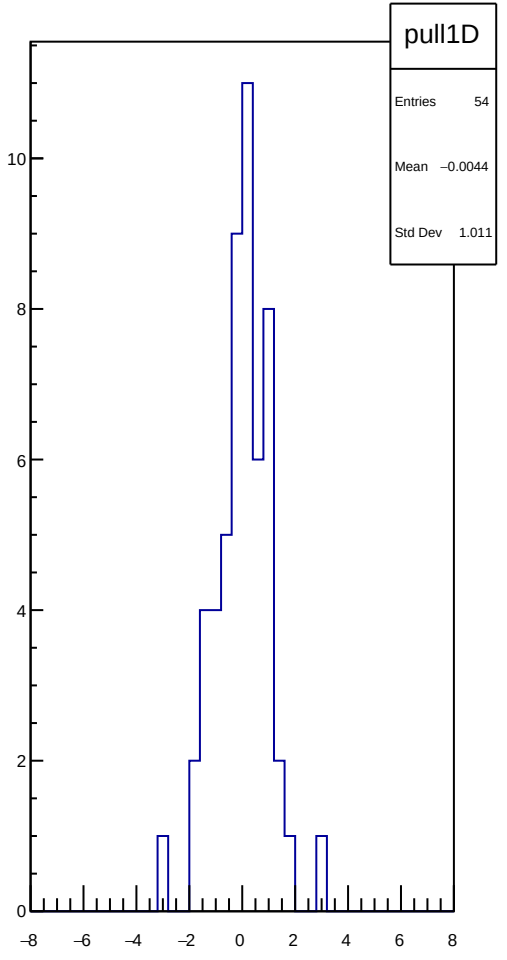

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 53
p0 168.8 ± 0.1731
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

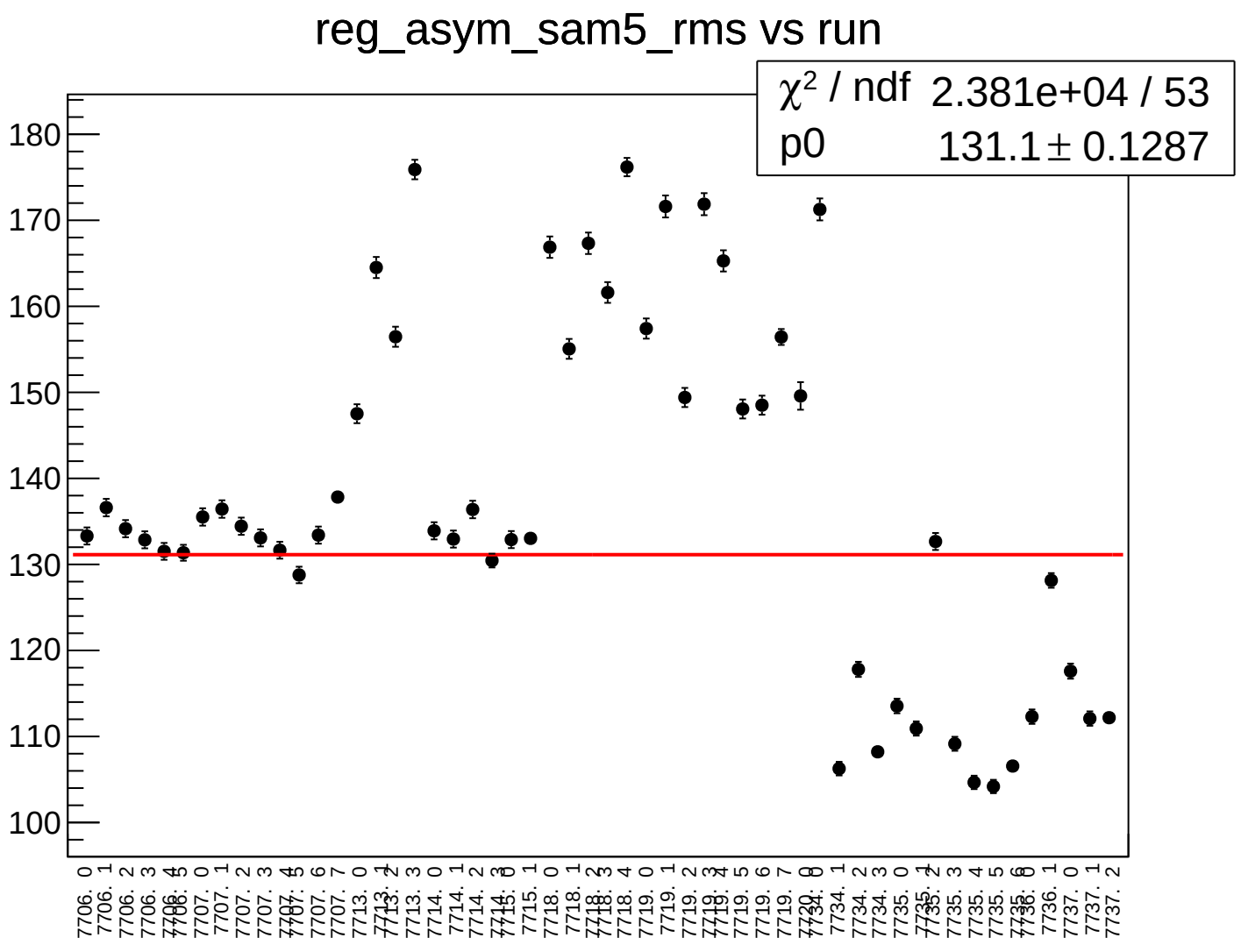

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.13 / 53
p0 −1.049e−14 ± 3.829e−13
pull
Entries 54
Mean −15.97
Std Dev 0

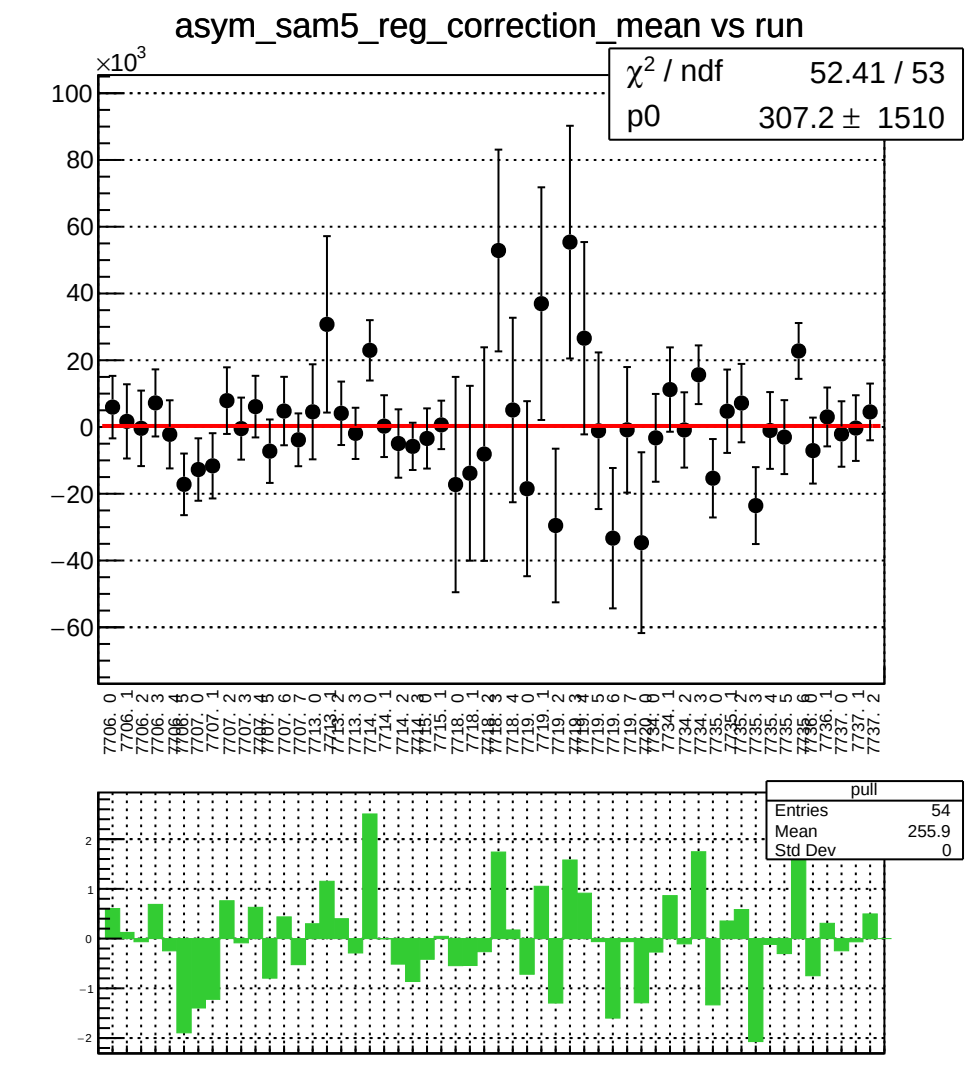

pull1D
Entries 54
Mean 0.05711
Std Dev 1.054

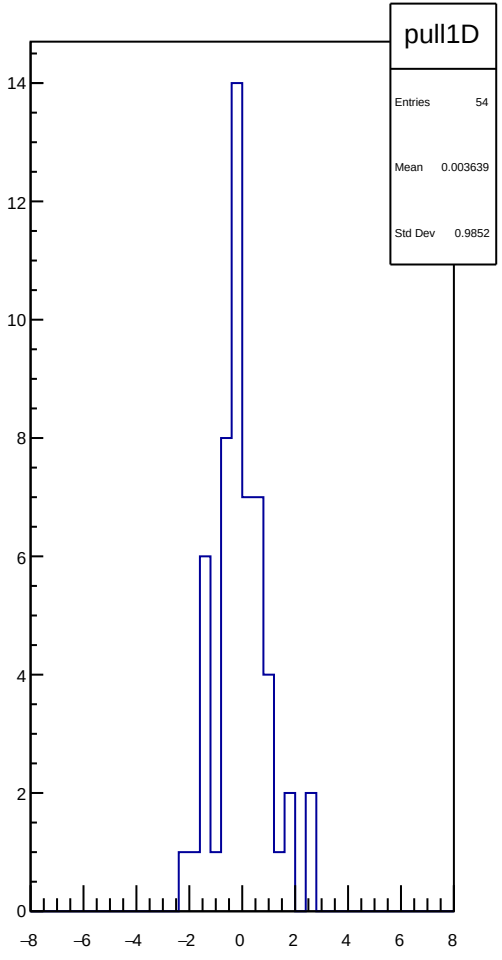

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.037e+05 / 53
p0 2.358e−10 ± 2.708e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

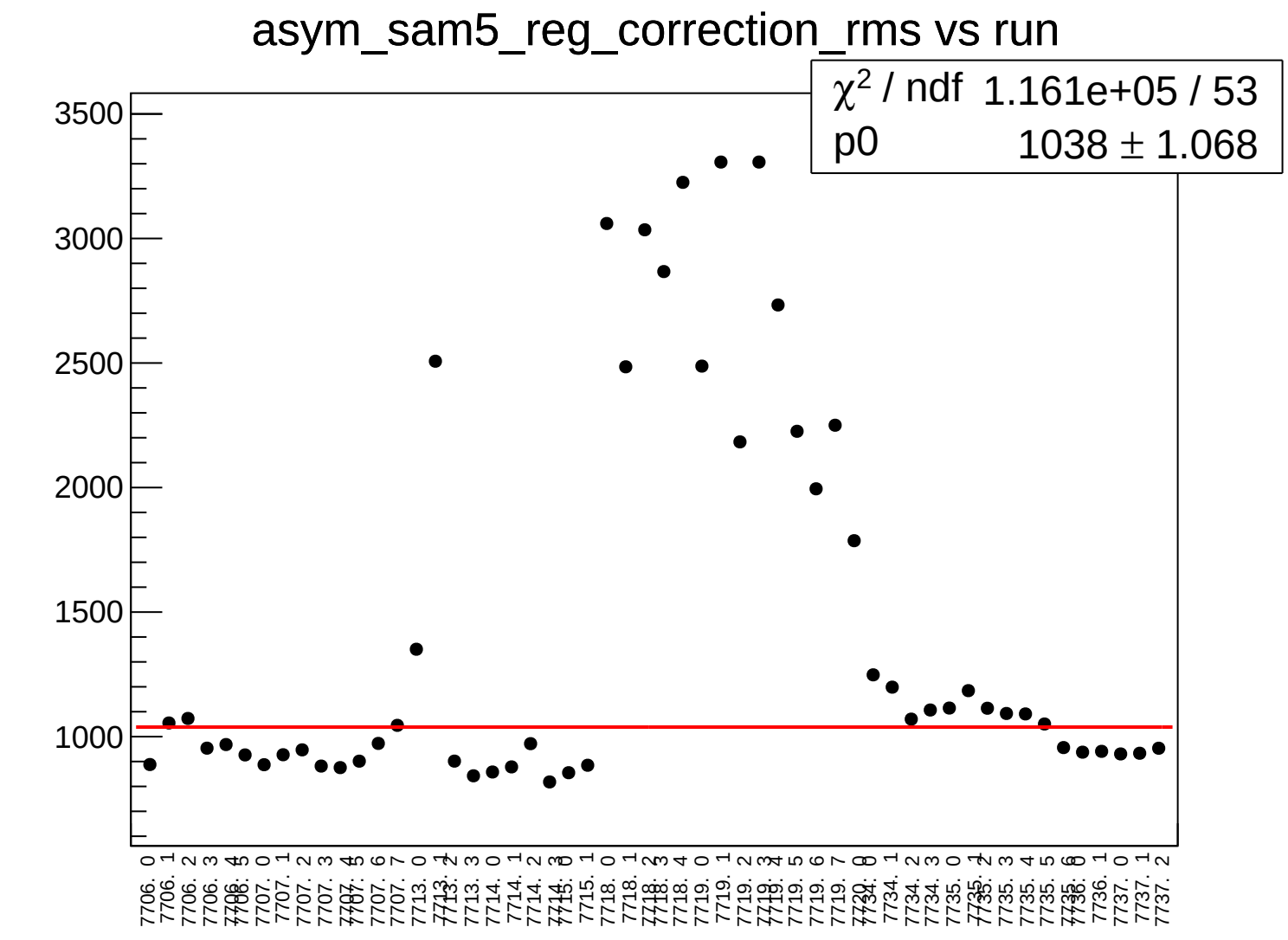

reg_asym_sam5_mean vs run
χ² / ndf 55.24 / 53
p0 58.94 ± 182
pull
Entries 54
Mean −264.4
Std Dev 0

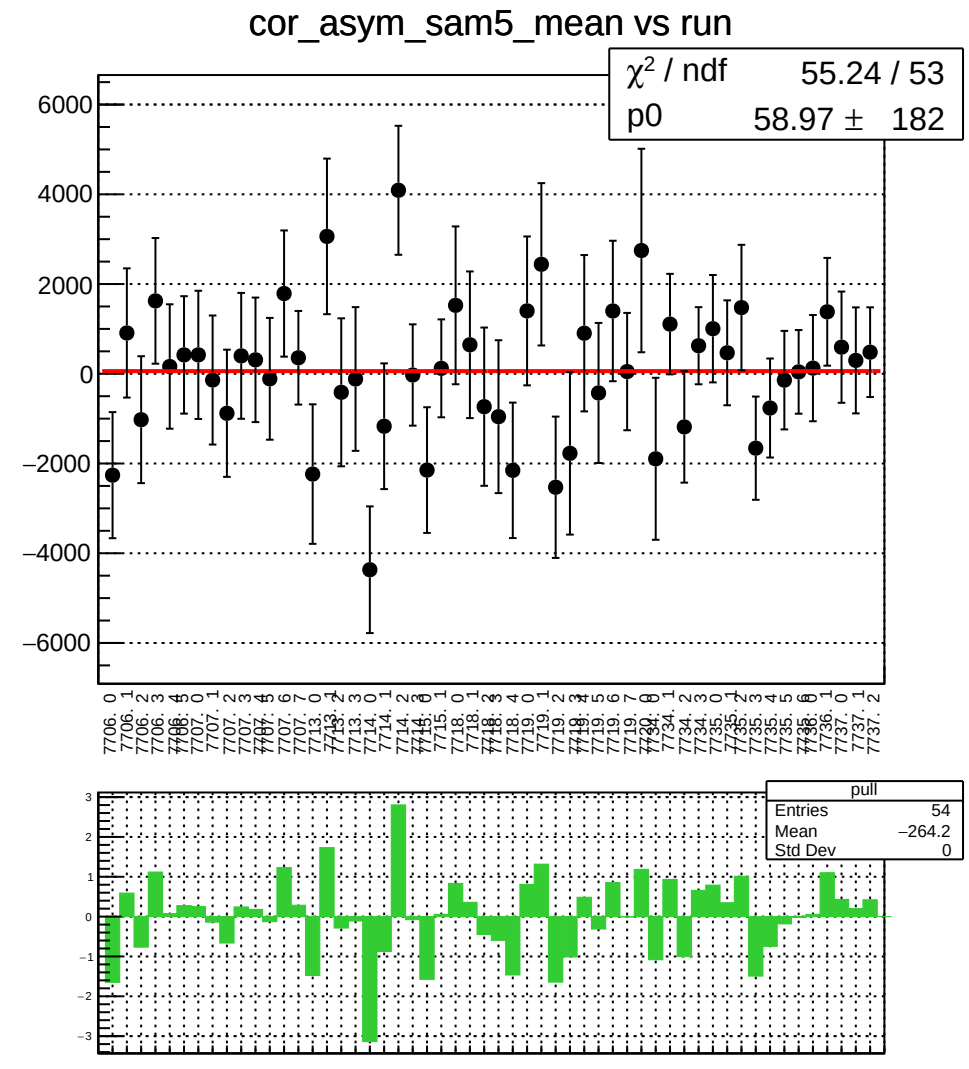

pull1D
Entries 54
Mean −0.0044
Std Dev 1.011

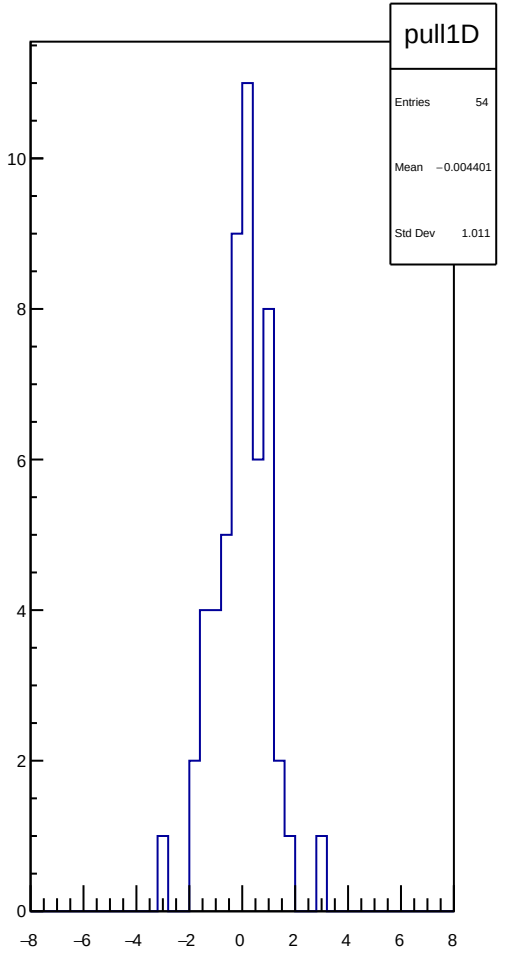

reg_asym_sam5_rms vs run
χ² / ndf 2.381e+04 / 53
p0 131.1 ± 0.1287
180
170
160
150
140
130
120
110
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

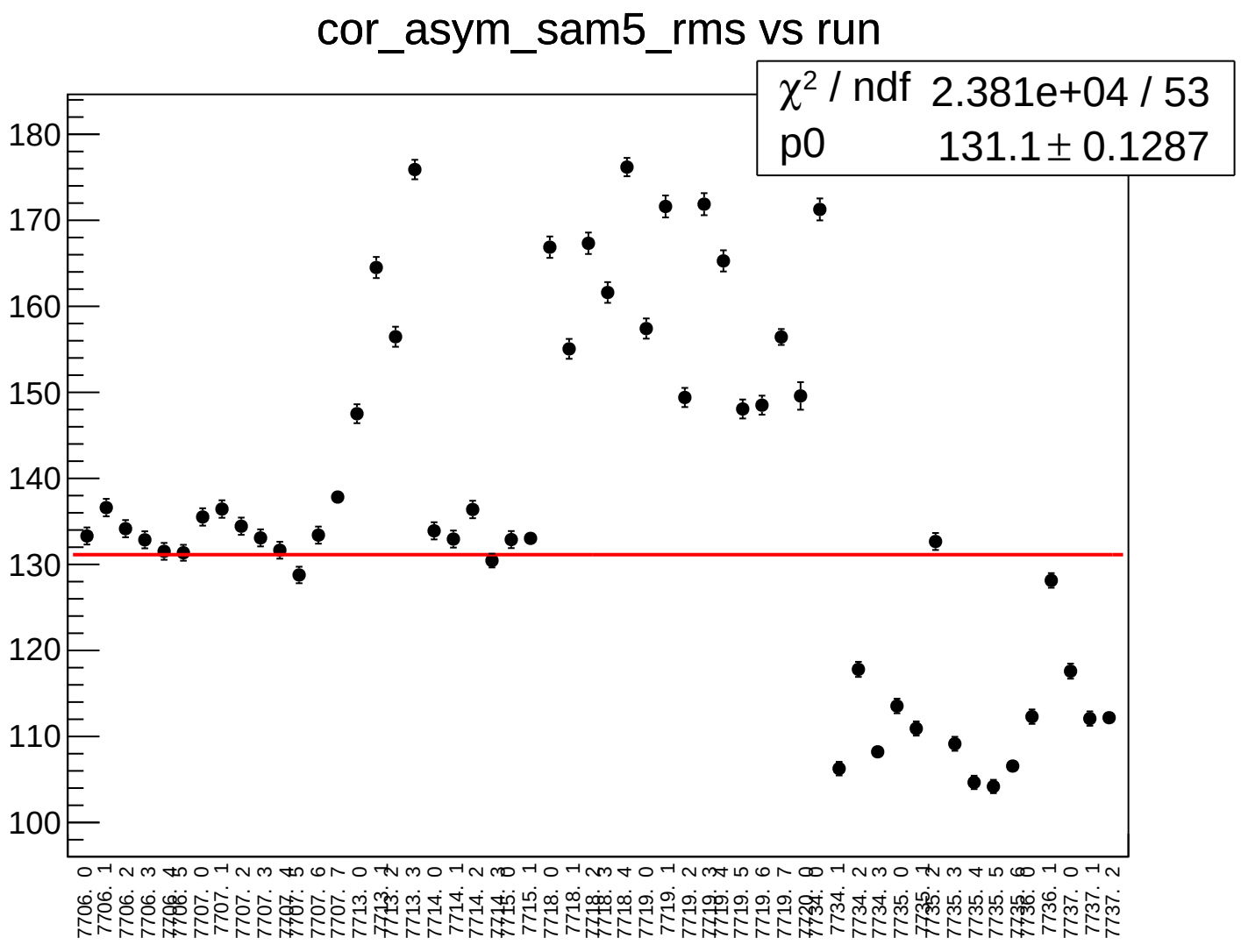

asym_sam5_reg_correction_mean vs run
×10^3
χ² / ndf 52.41 / 53
p0 307.2 ± 1510
pull
Entries 54
Mean 255.9
Std Dev 0

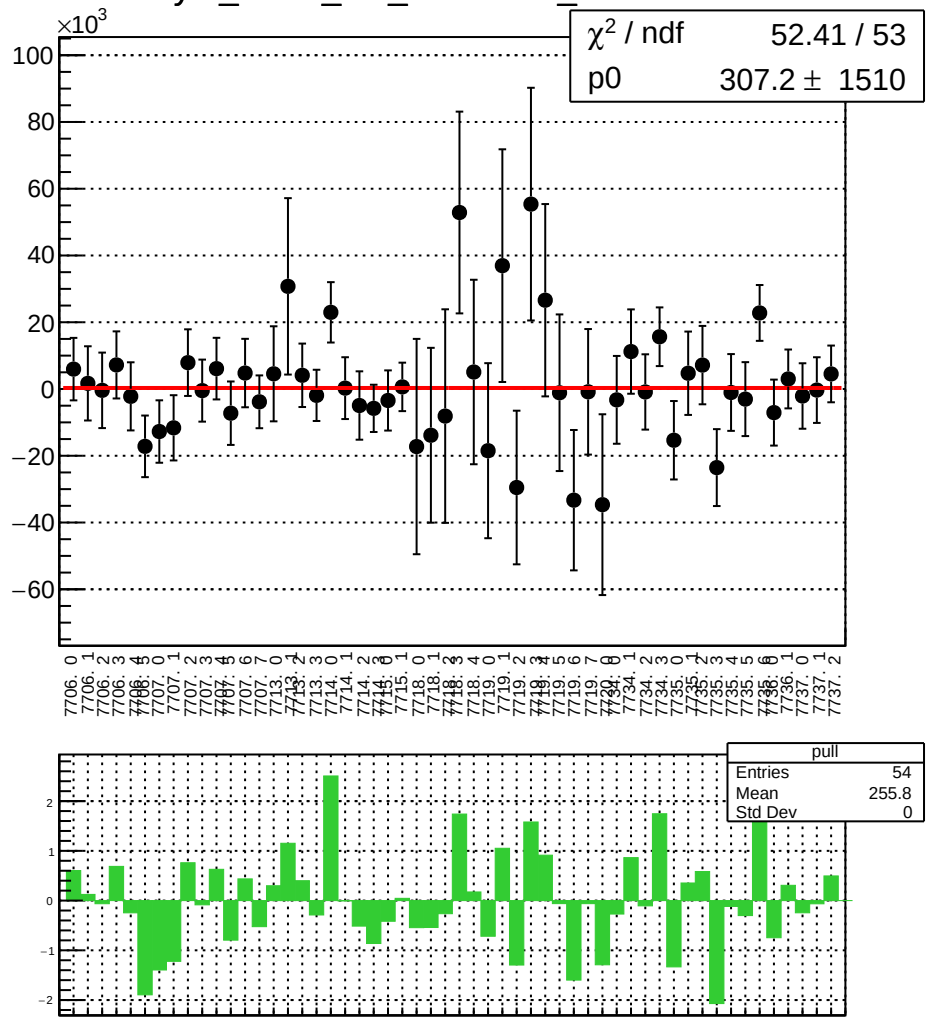

pull1D
Entries 54
Mean 0.003639
Std Dev 0.9852

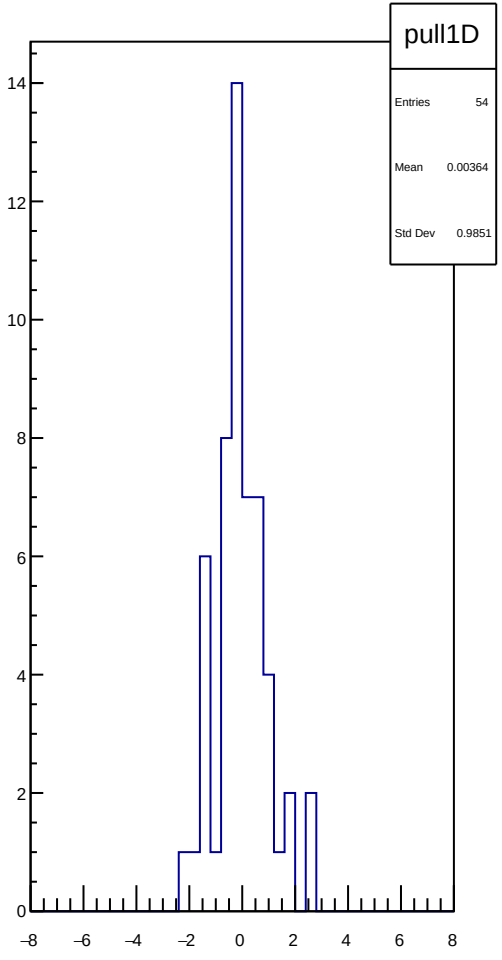

asym_sam5_reg_correction_rms vs run
χ² / ndf 1.161e+05 / 53
p0 1038 ± 1.068
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

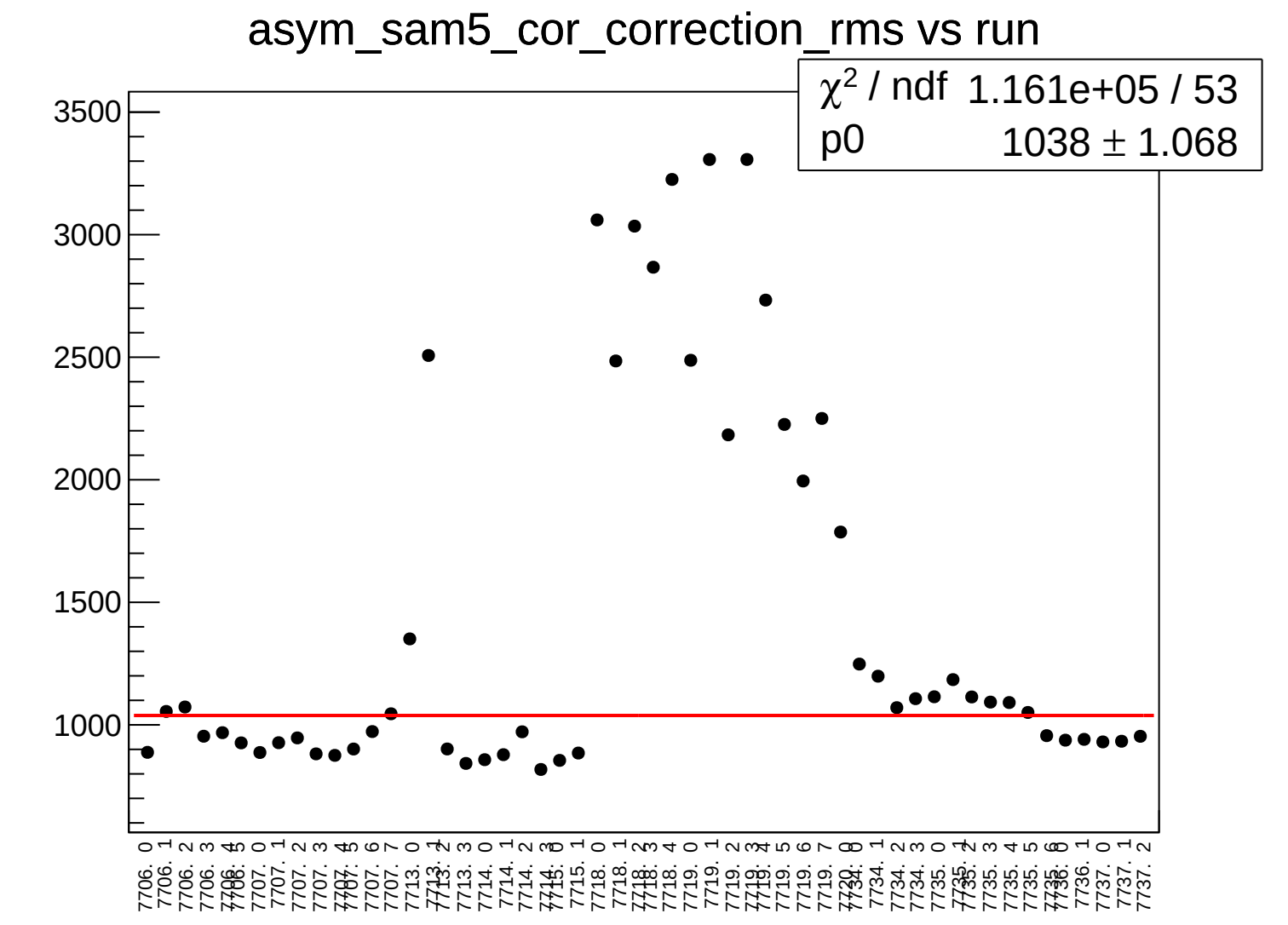

cor_asym_sam5_mean vs run
χ² / ndf 55.24 / 53
p0 58.97 ± 182
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean −264.2
Std Dev 0
3
2
1
0
−1
−2
−3

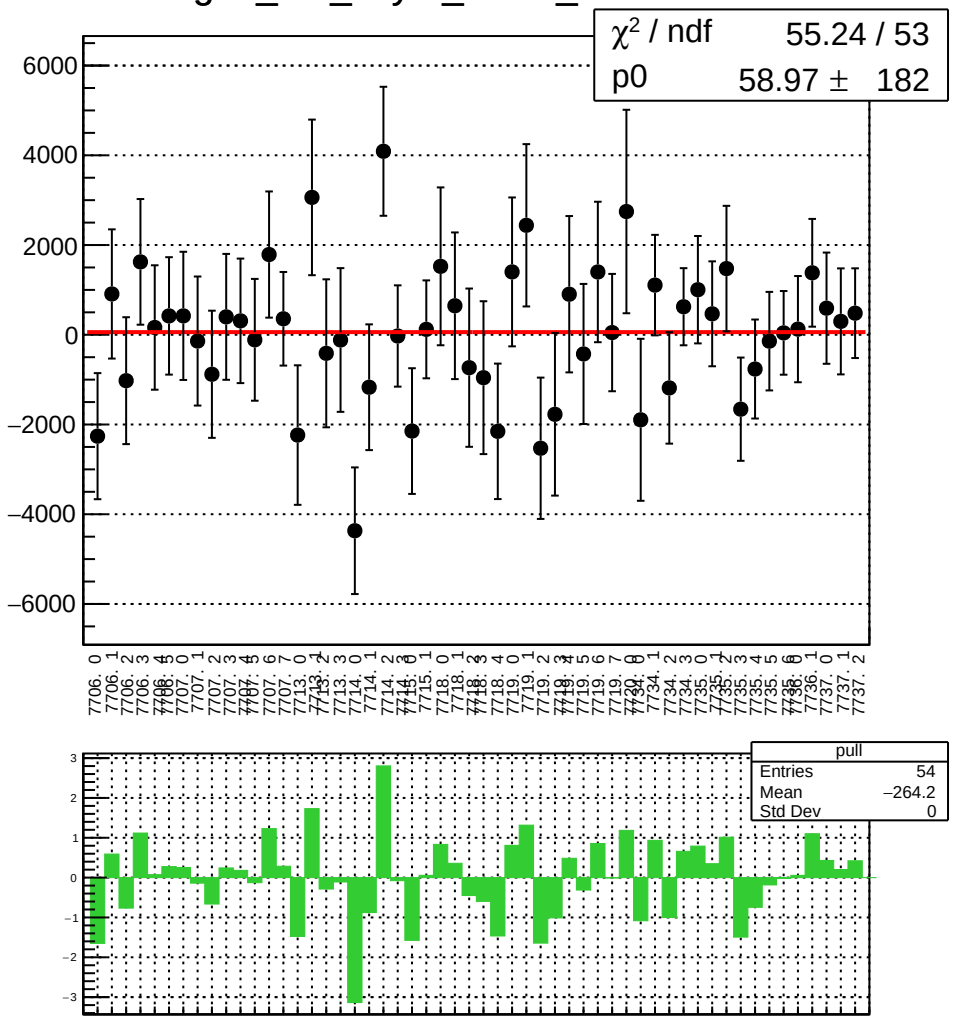

pull1D
Entries 54
Mean −0.004401
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

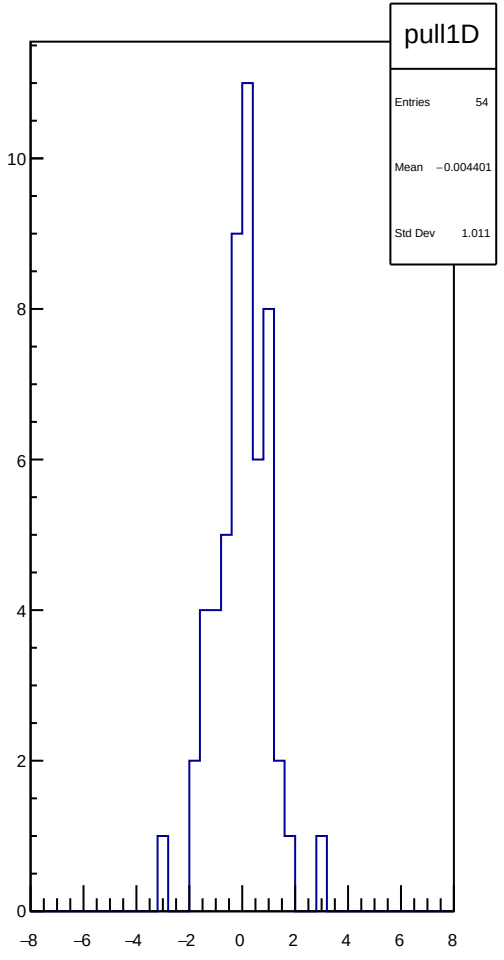

cor_asym_sam5_rms vs run
χ² / ndf 2.381e+04 / 53
p0 131.1 ± 0.1287
180
170
160
150
140
130
120
110
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

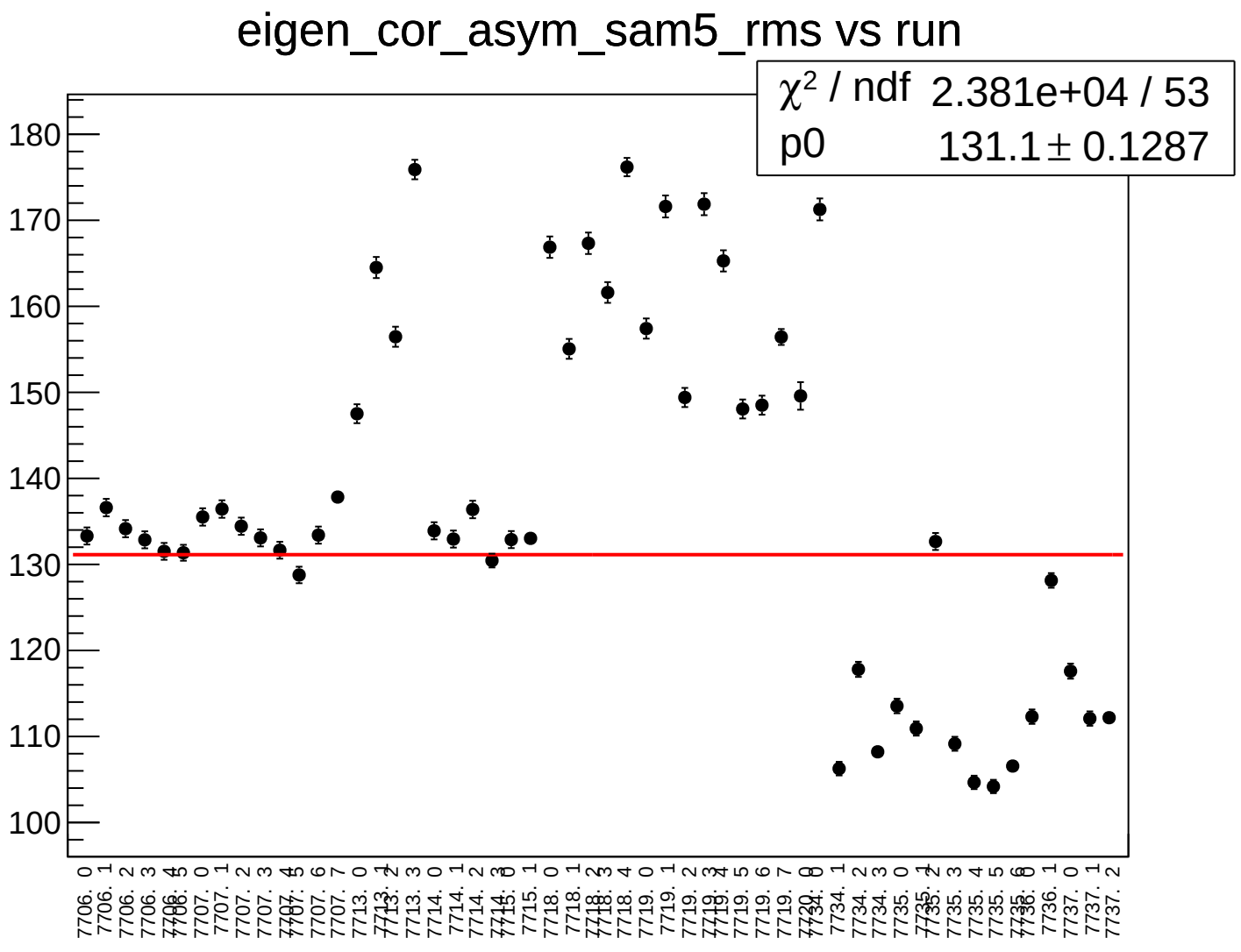

asym_sam5_cor_correction_mean vs run
×10^3
χ² / ndf 52.41 / 53
p0 307.2 ± 1510
pull
Entries 54
Mean 255.8
Std Dev 0

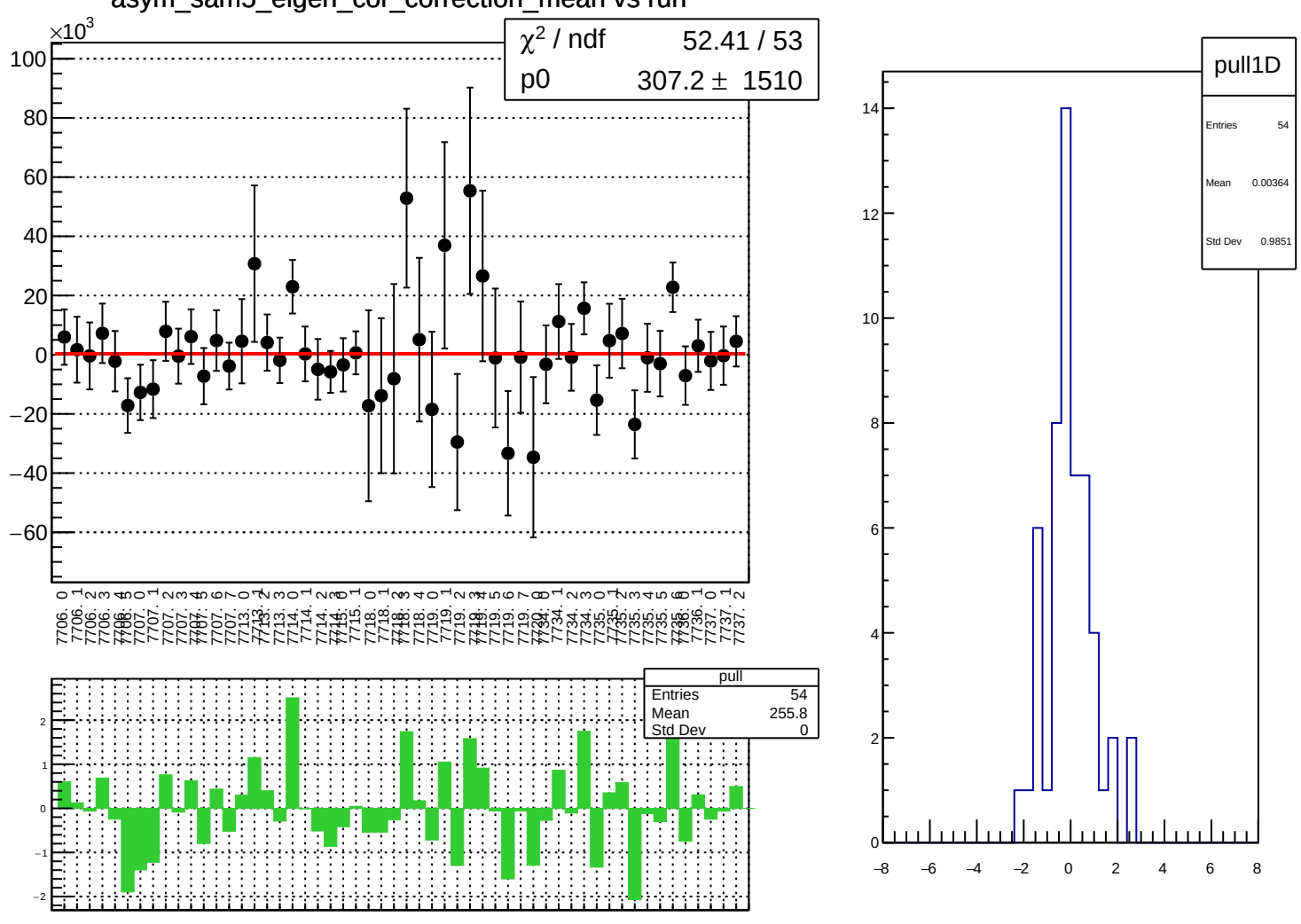

pull1D
Entries 54
Mean 0.00364
Std Dev 0.9851

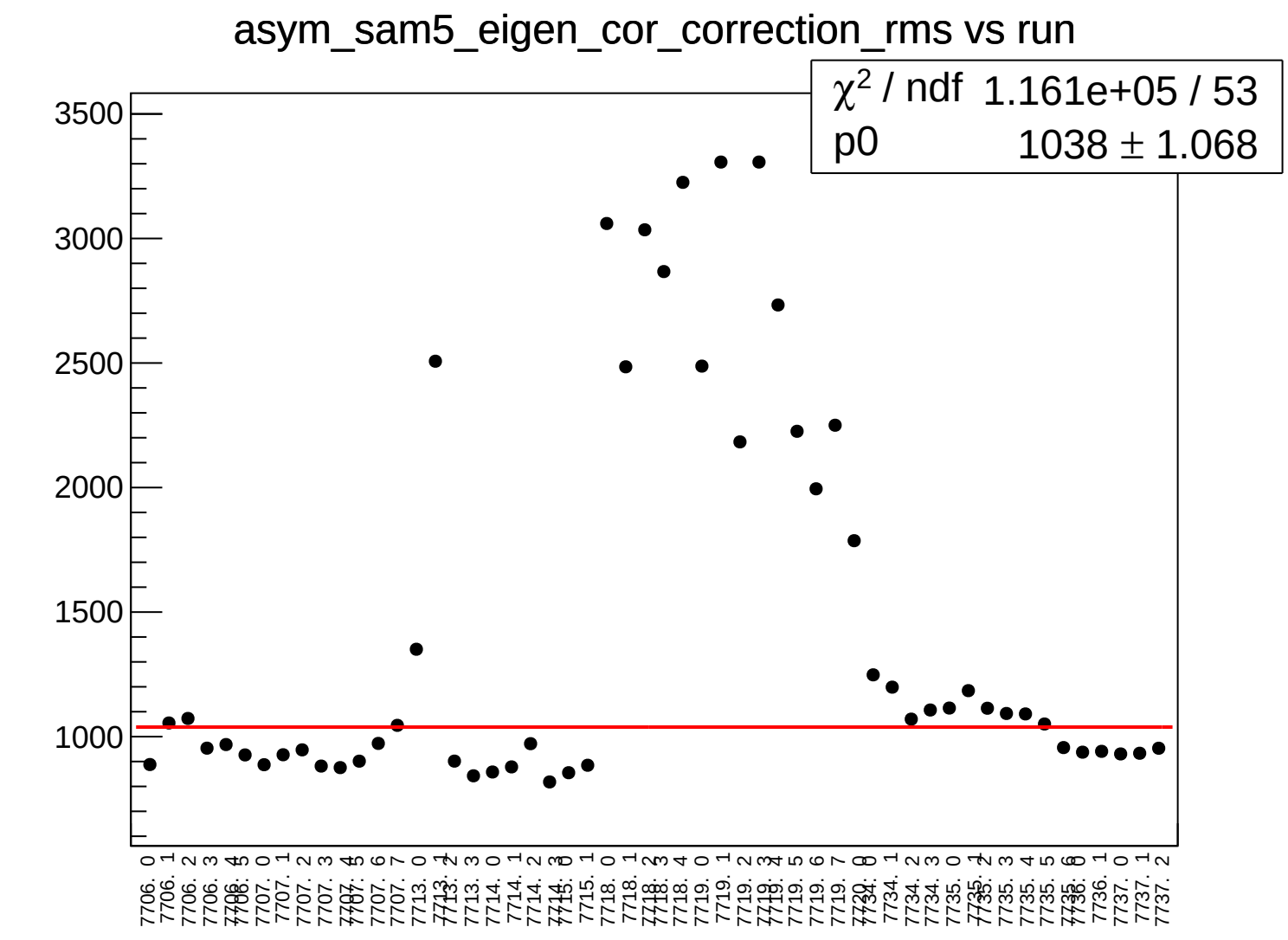

asym_sam5_cor_correction_rms vs run
χ² / ndf 1.161e+05 / 53
p0 1038 ± 1.068
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

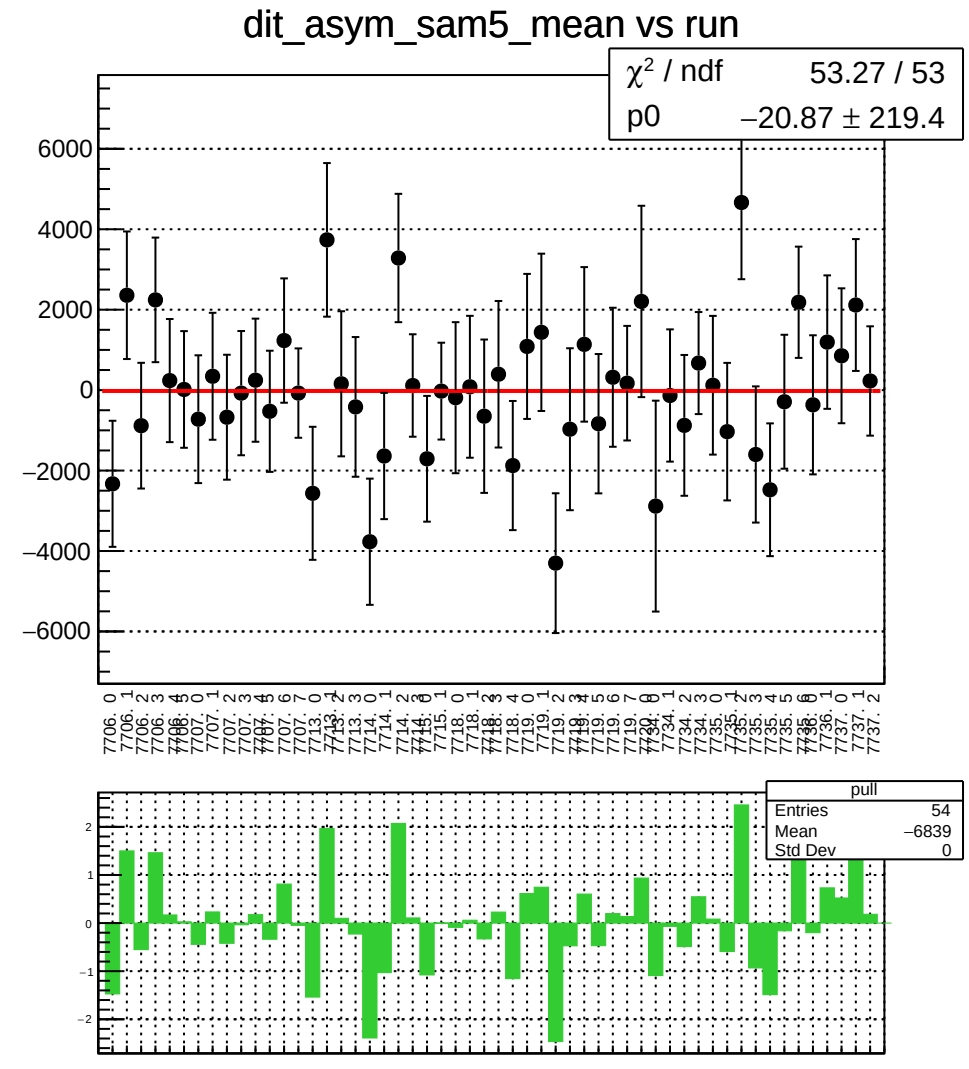

eigen_cor_asym_sam5_mean vs run
χ² / ndf 55.24 / 53
p0 58.97 ± 182
pull
Entries 54
Mean −264.2
Std Dev 0

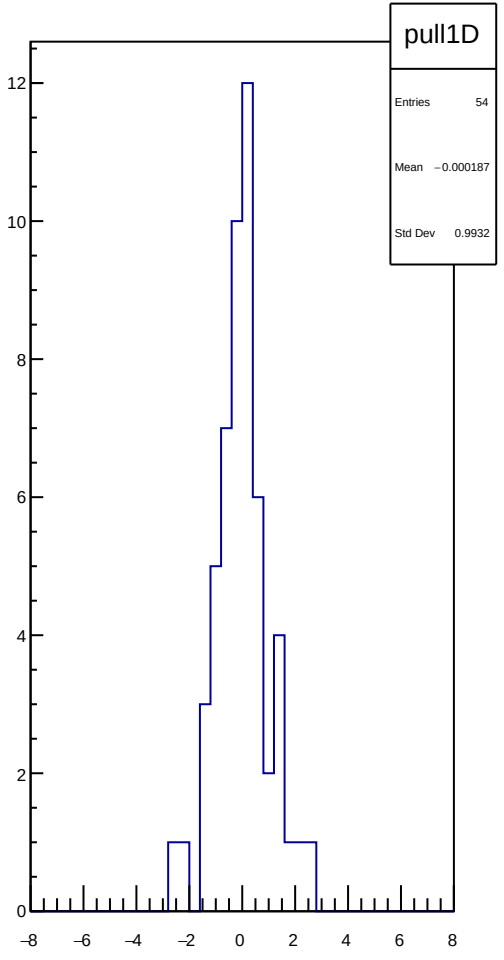

pull1D
Entries 54
Mean −0.004401
Std Dev 1.011

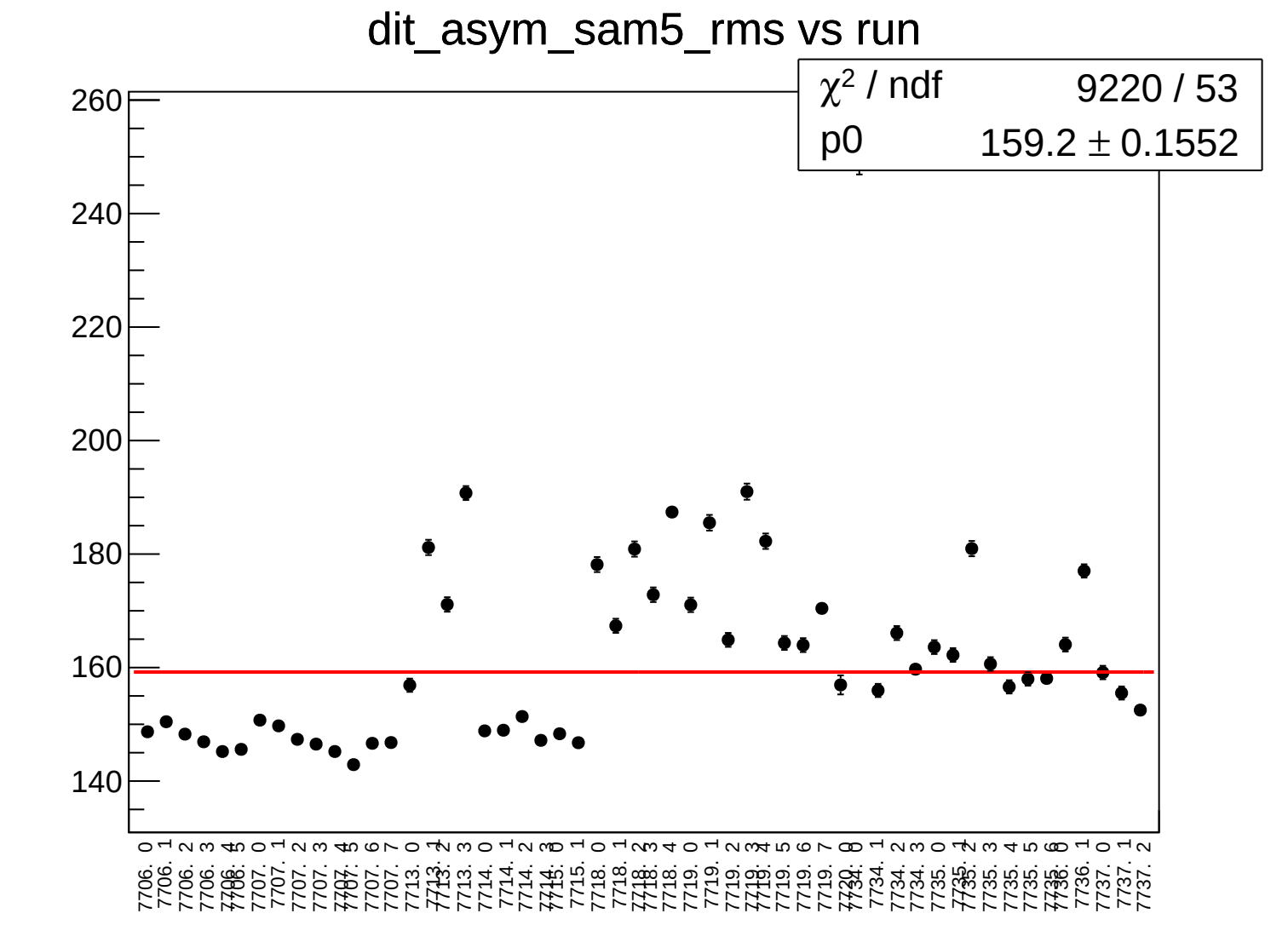

eigen_cor_asym_sam5_rms vs run
χ² / ndf 2.381e+04 / 53
p0 131.1 ± 0.1287
180
170
160
150
140
130
120
110
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

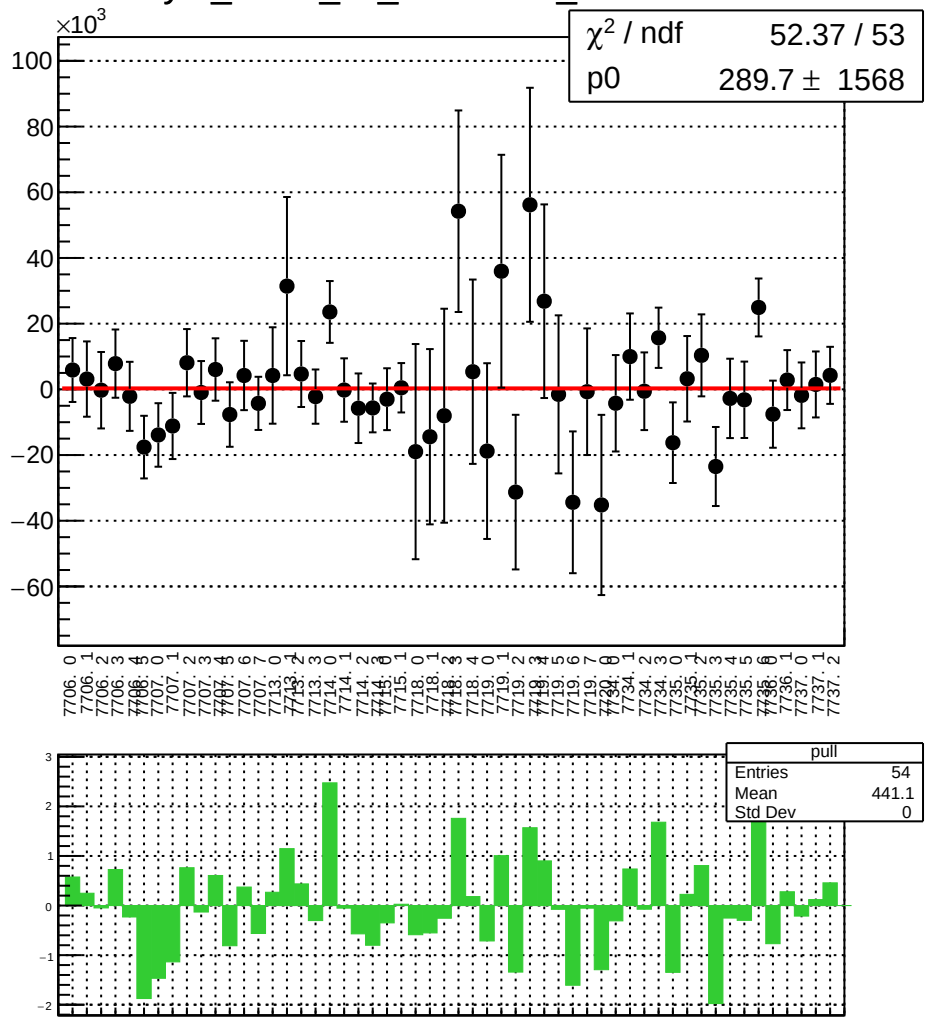

asym_sam5_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.41 / 53
p0 307.2 ± 1510
pull
Entries 54
Mean 255.8
Std Dev 0
pull1D
Entries 54
Mean 0.00364
Std Dev 0.9851

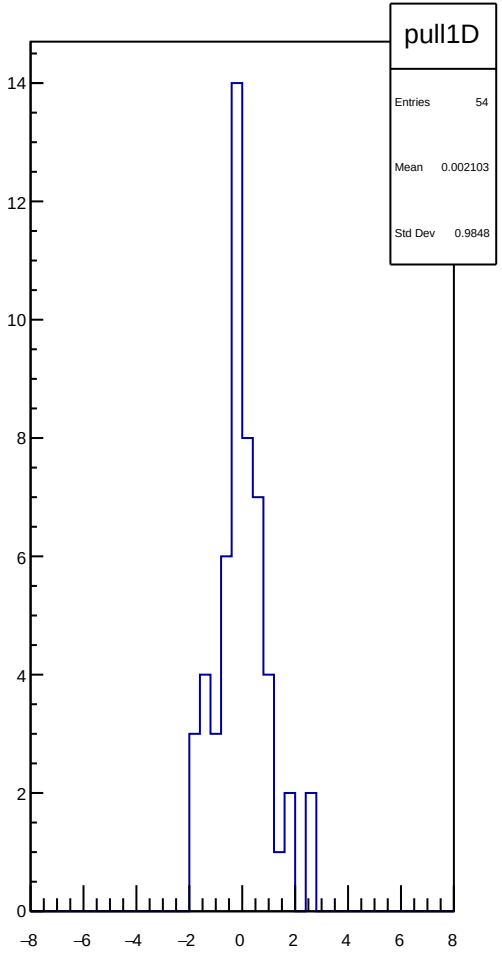

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1.161e+05 / 53
p0 1038 ± 1.068
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

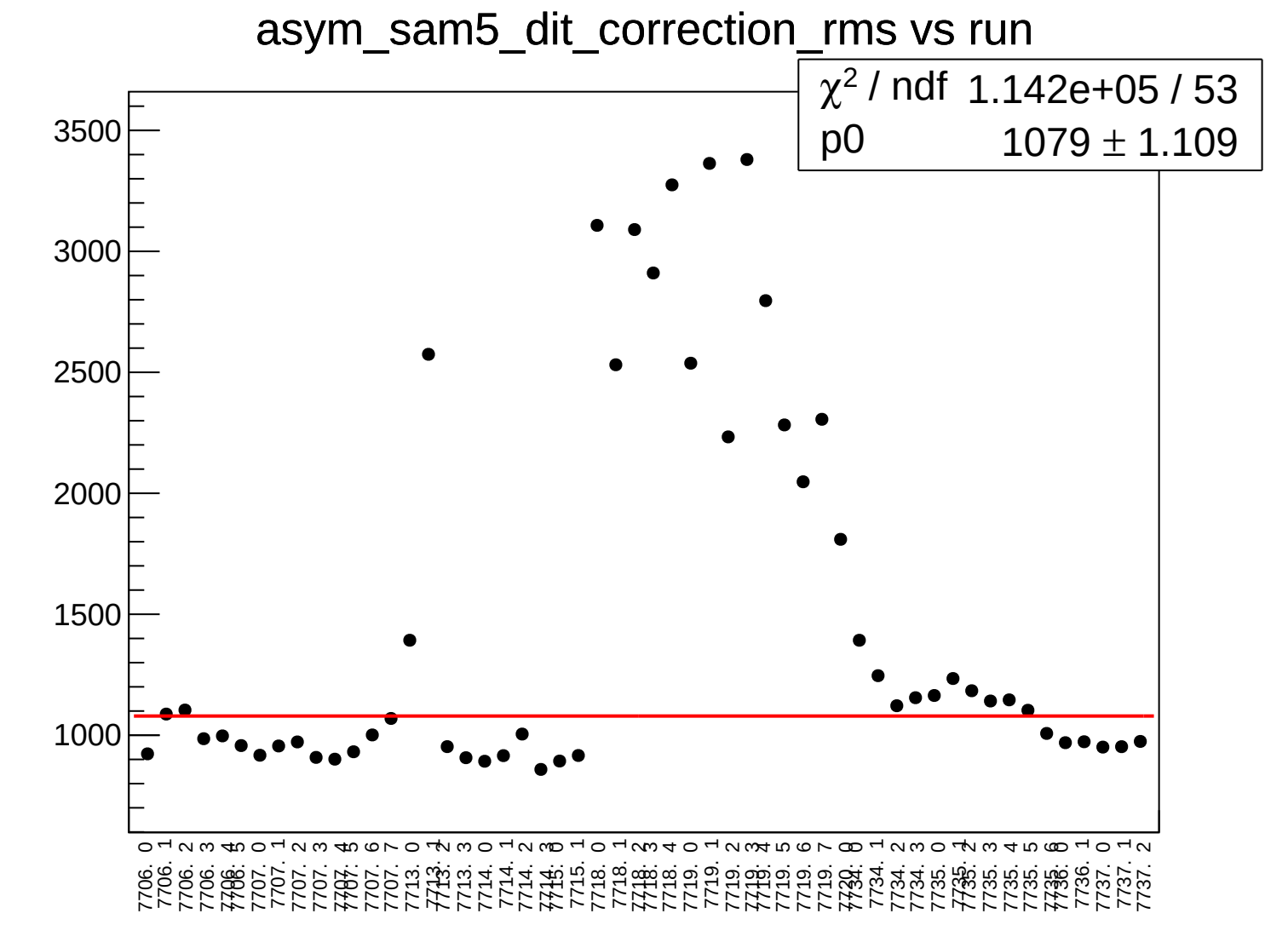

dit_asym_sam5_mean vs run
χ² / ndf 53.27 / 53
p0 −20.87 ± 219.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean −6839
Std Dev 0
2
1
0
−1
−2

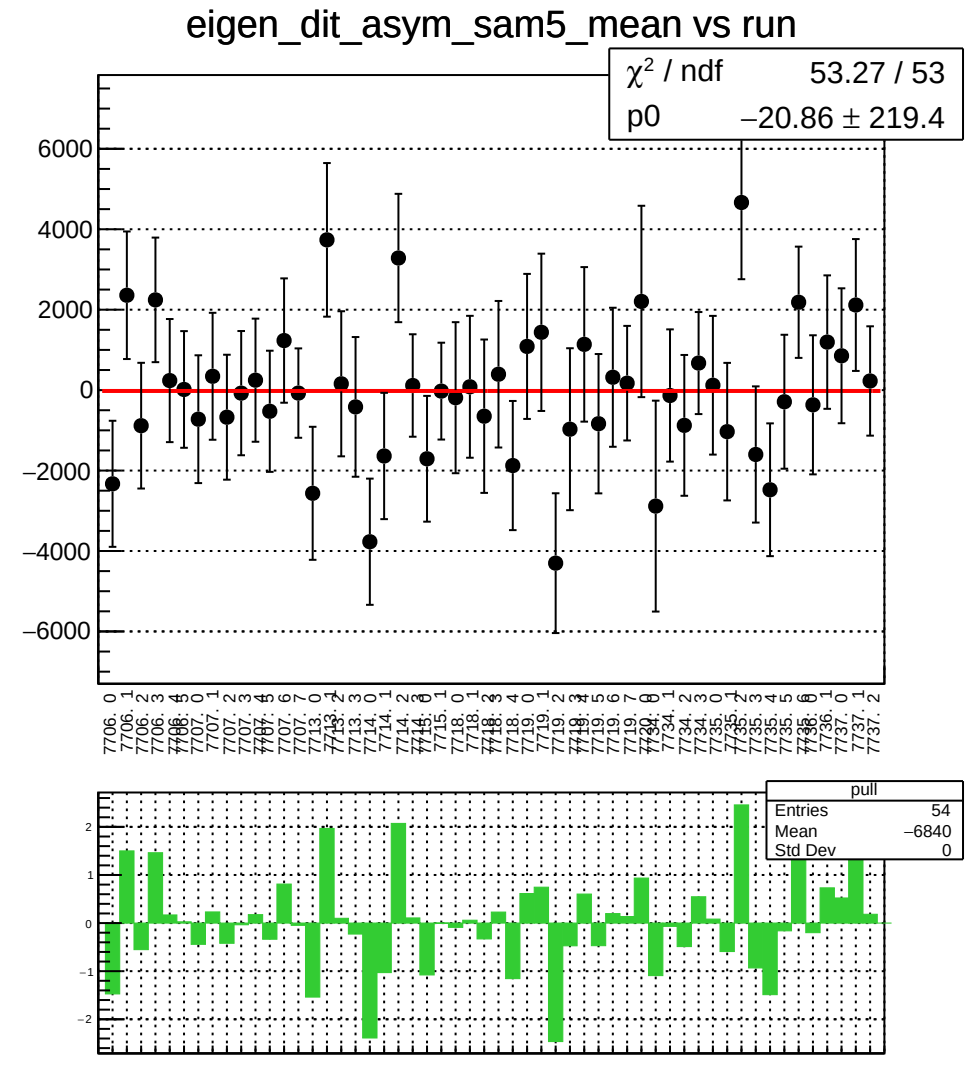

pull1D
Entries 54
Mean −0.000187
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

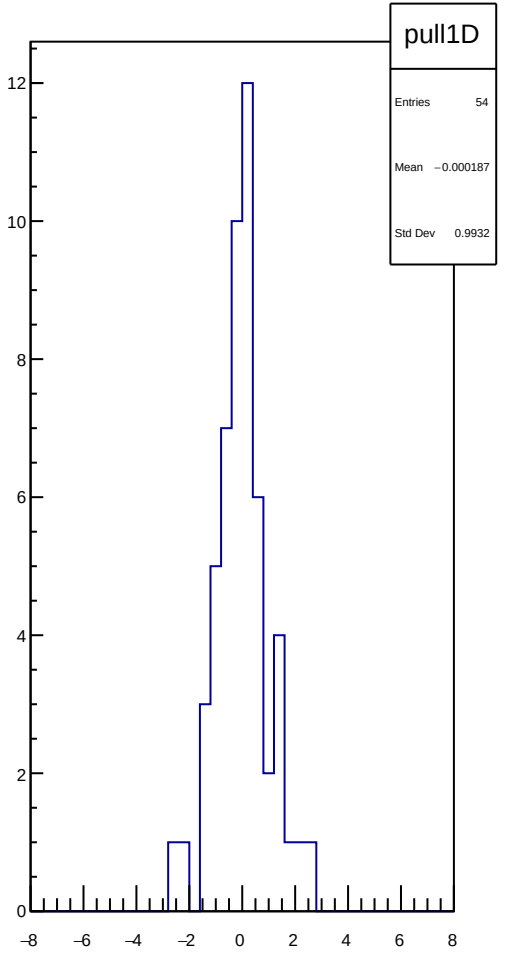

dit_asym_sam5_rms vs run
χ² / ndf 9220 / 53
p0 159.2 ± 0.1552
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

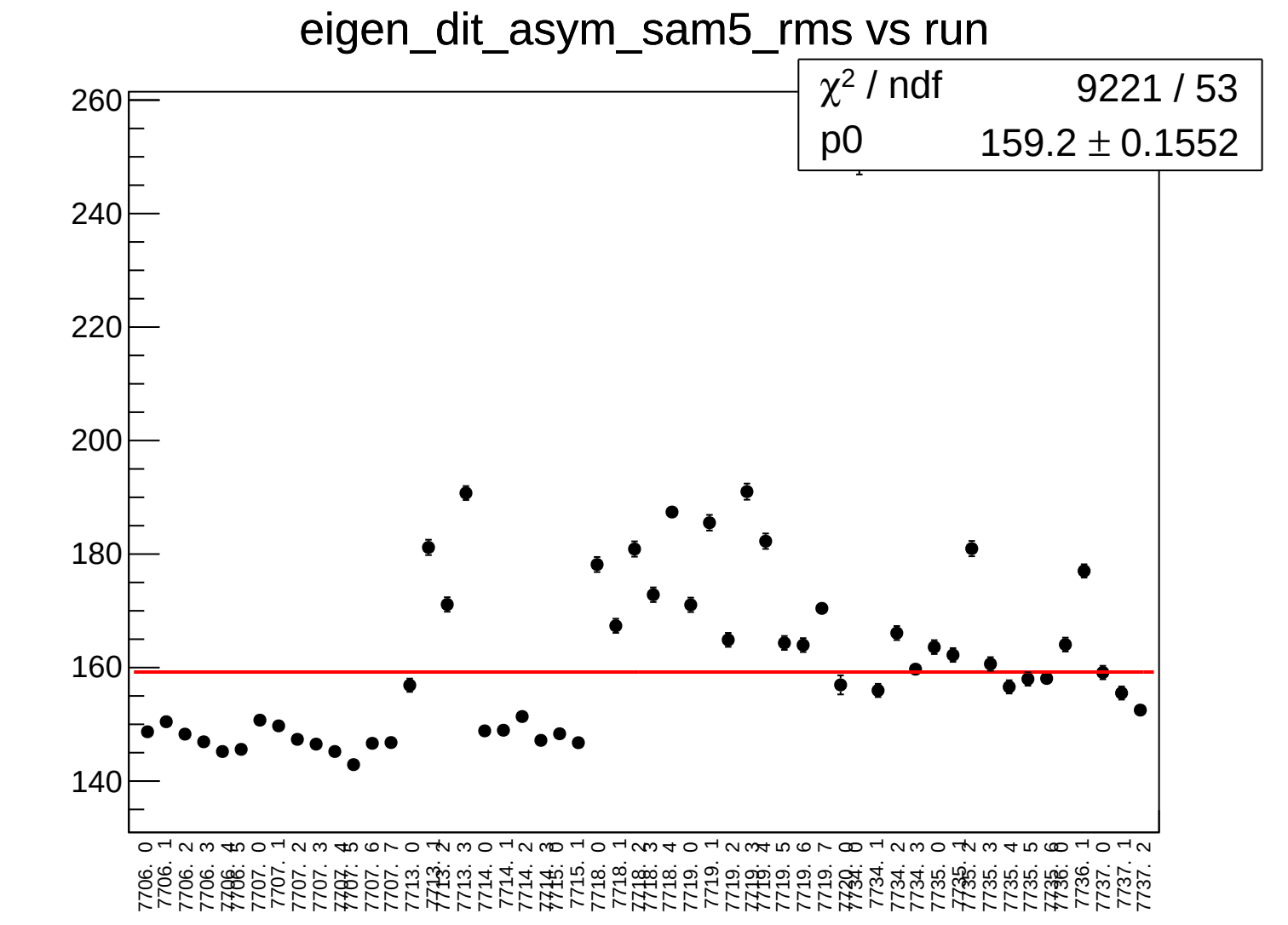

asym_sam5_dit_correction_mean vs run
×10^3
χ² / ndf 52.37 / 53
p0 289.7 ± 1568
pull
Entries 54
Mean 441.1
Std Dev 0

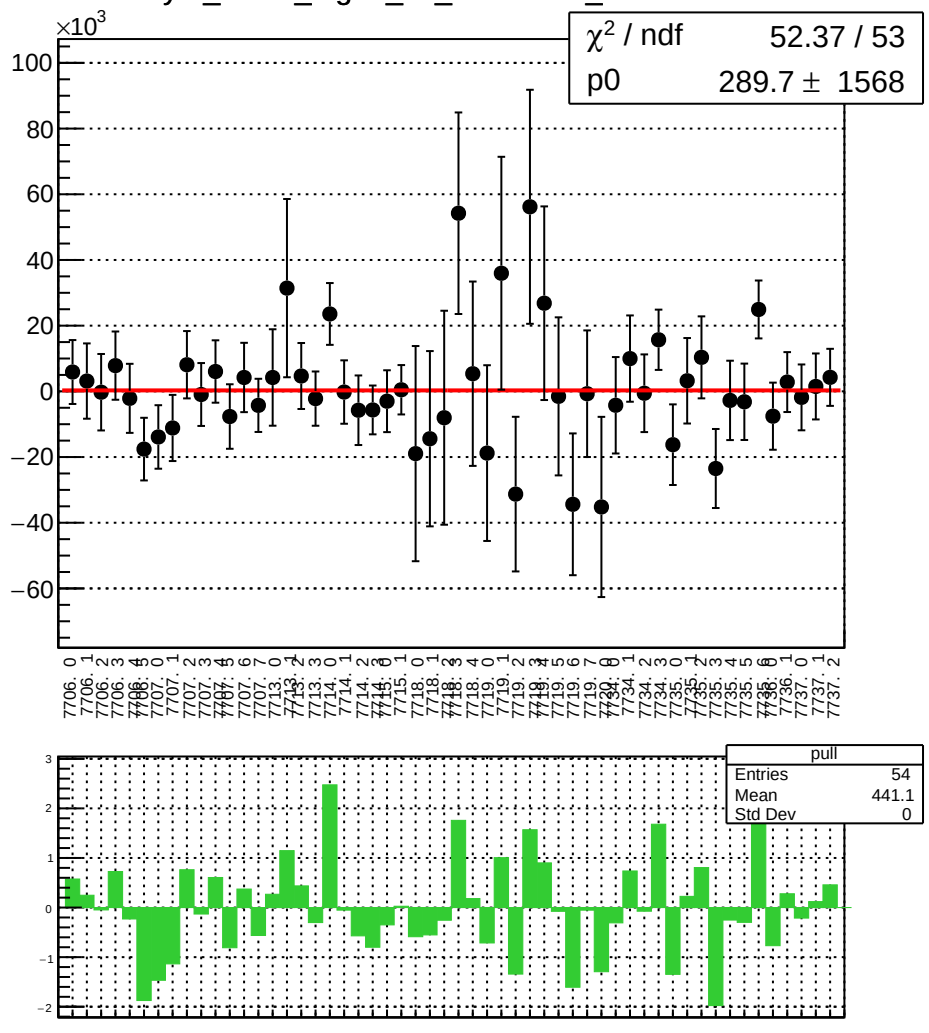

pull1D
Entries 54
Mean 0.002103
Std Dev 0.9848

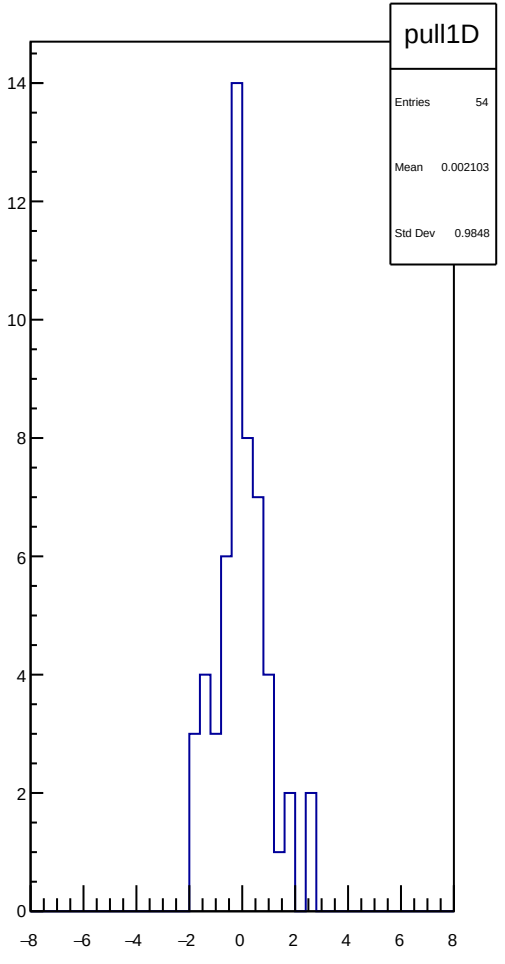

asym_sam5_dit_correction_rms vs run
χ² / ndf 1.142e+05 / 53
p0 1079 ± 1.109
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

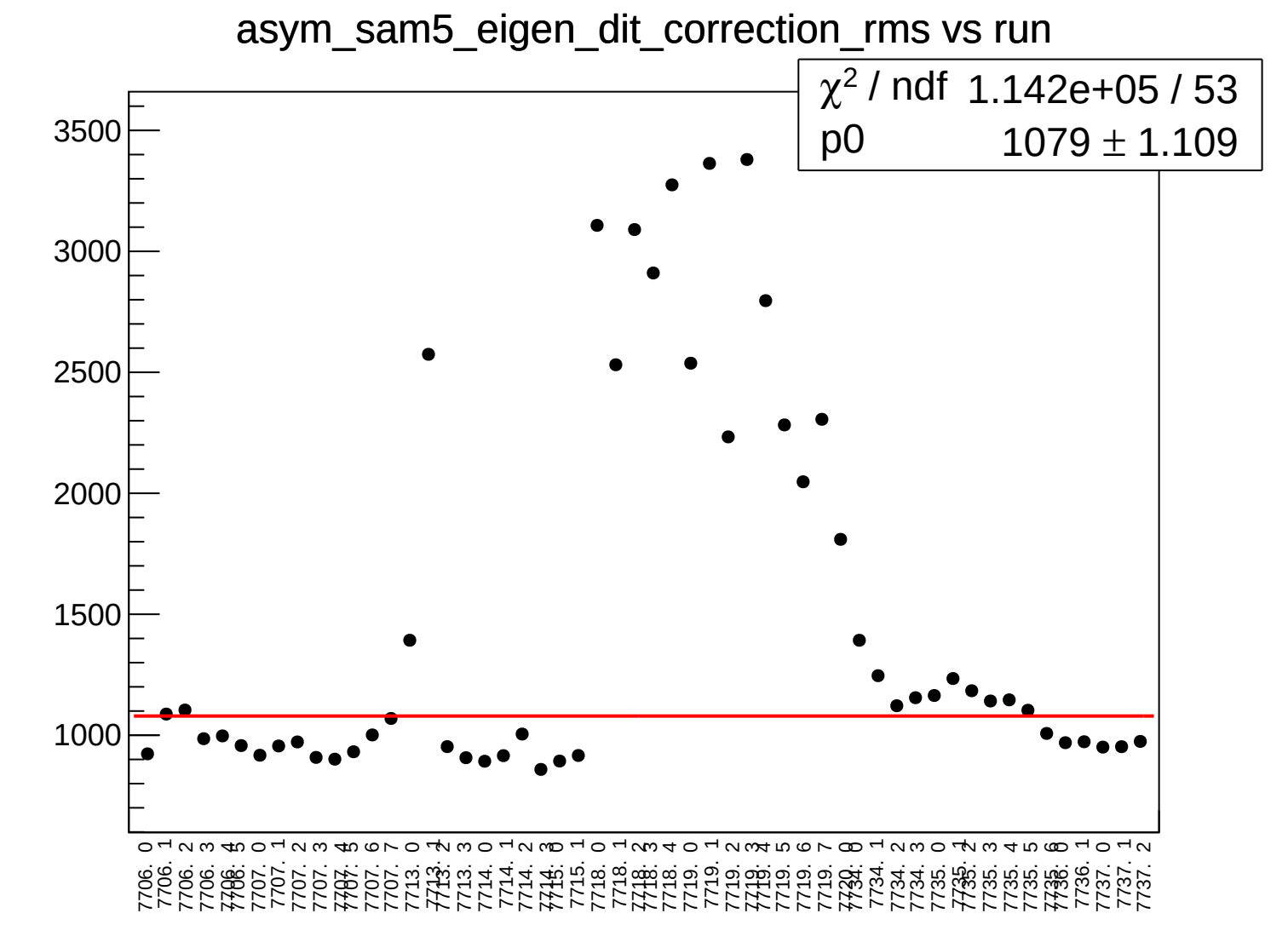

eigen_dit_asym_sam5_mean vs run
χ² / ndf 53.27 / 53
p0 −20.86 ± 219.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean −6840
Std Dev 0
2
1
0
−1
−2

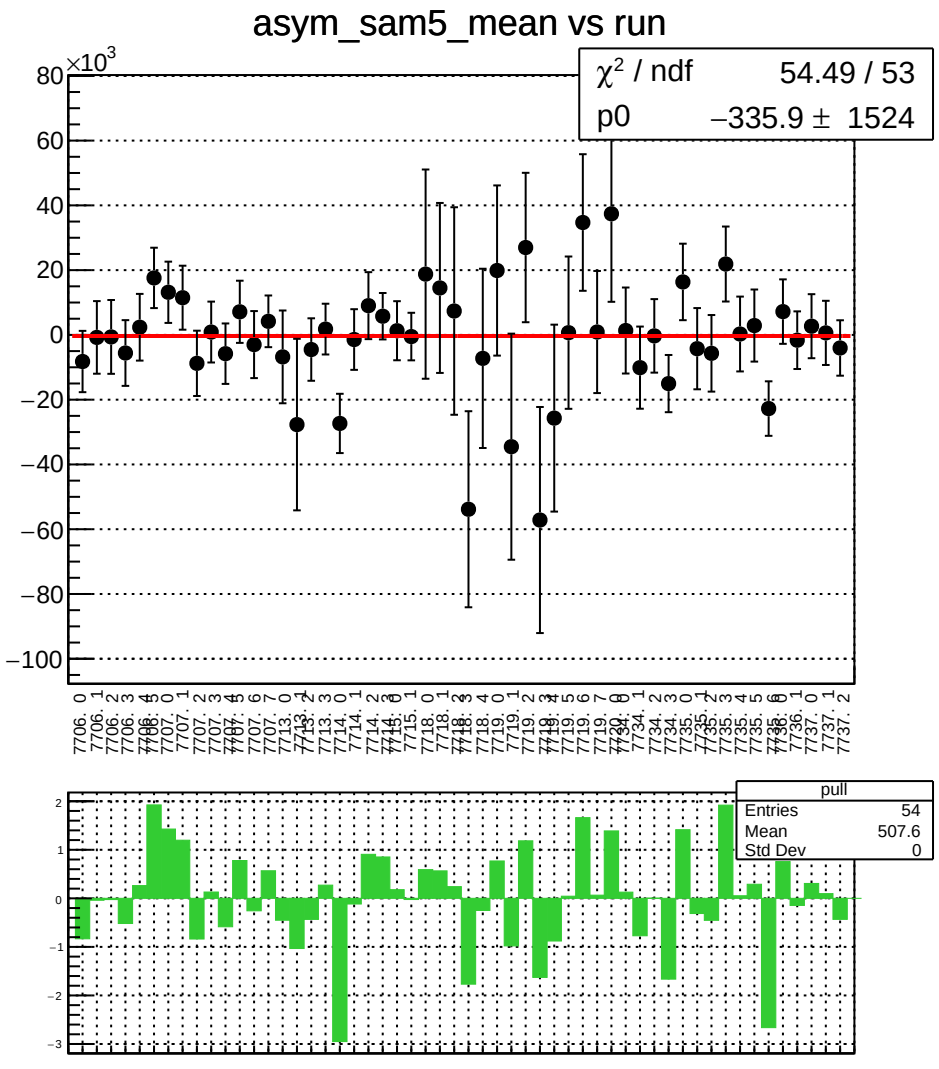

pull1D
Entries 54
Mean −0.000187
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

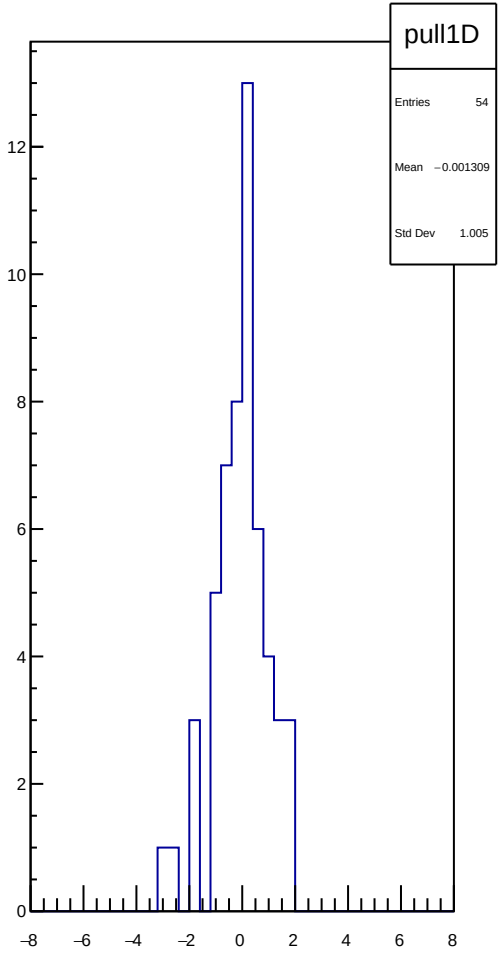

eigen_dit_asym_sam5_rms vs run
χ^2 / ndf 9221 / 53
p0 159.2 ± 0.1552
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

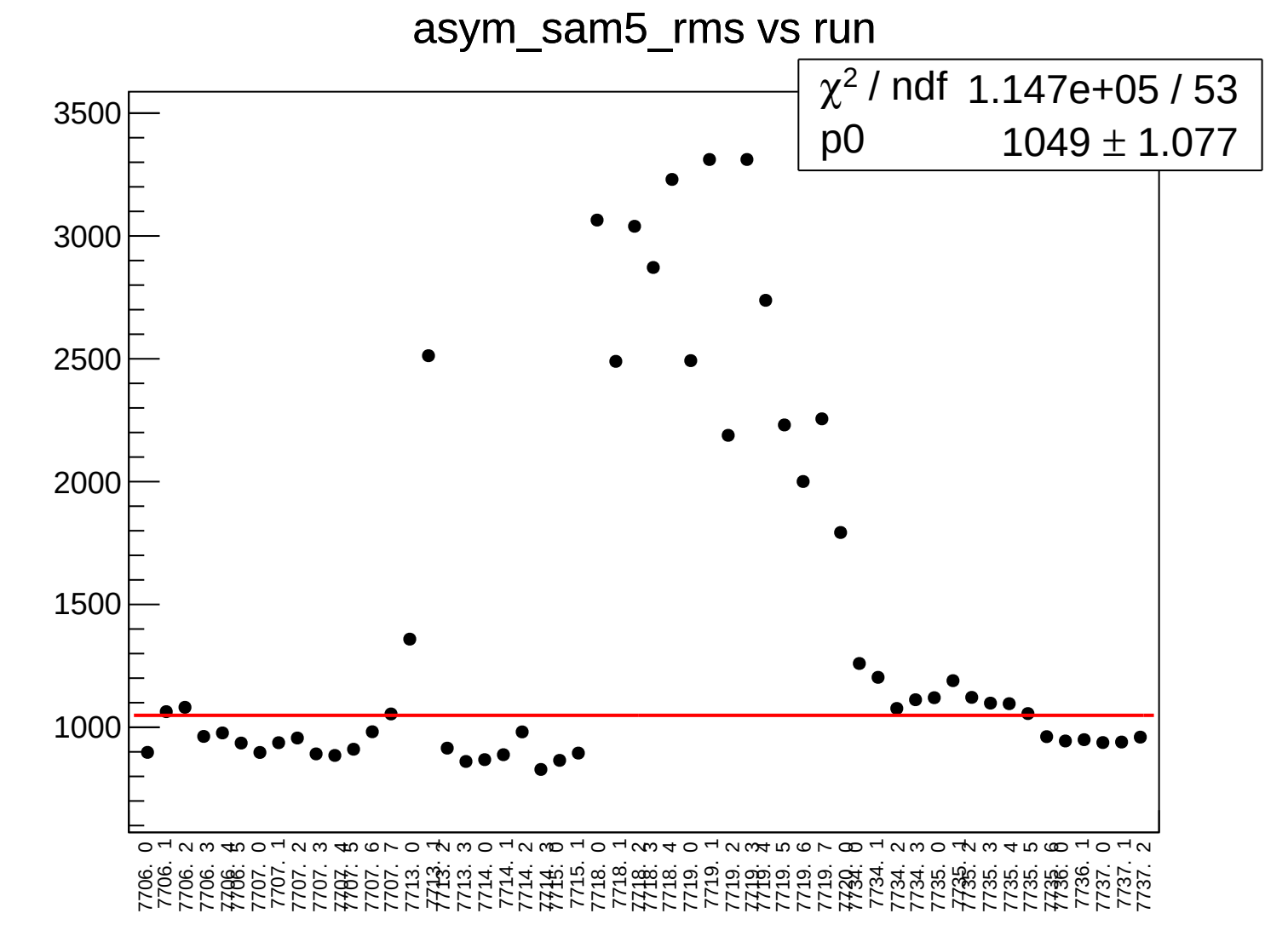

asym_sam5_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.37 / 53
p0 289.7 ± 1568
pull
Entries 54
Mean 441.1
Std Dev 0

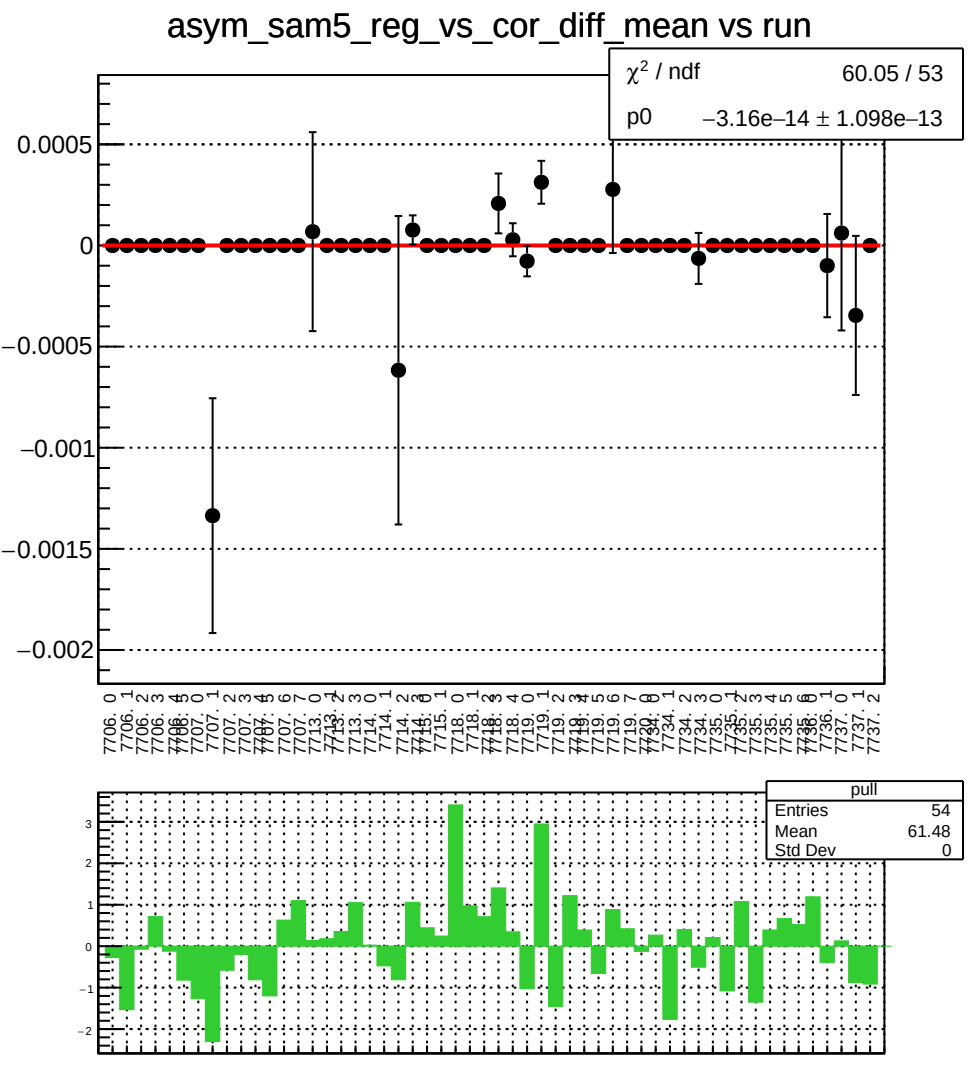

pull1D
Entries 54
Mean 0.002103
Std Dev 0.9848

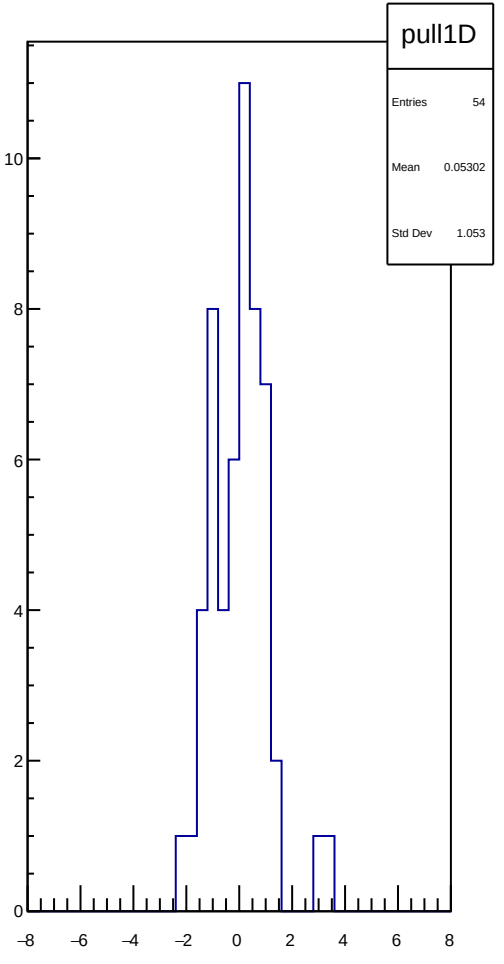

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1.142e+05 / 53
p0 1079 ± 1.109
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

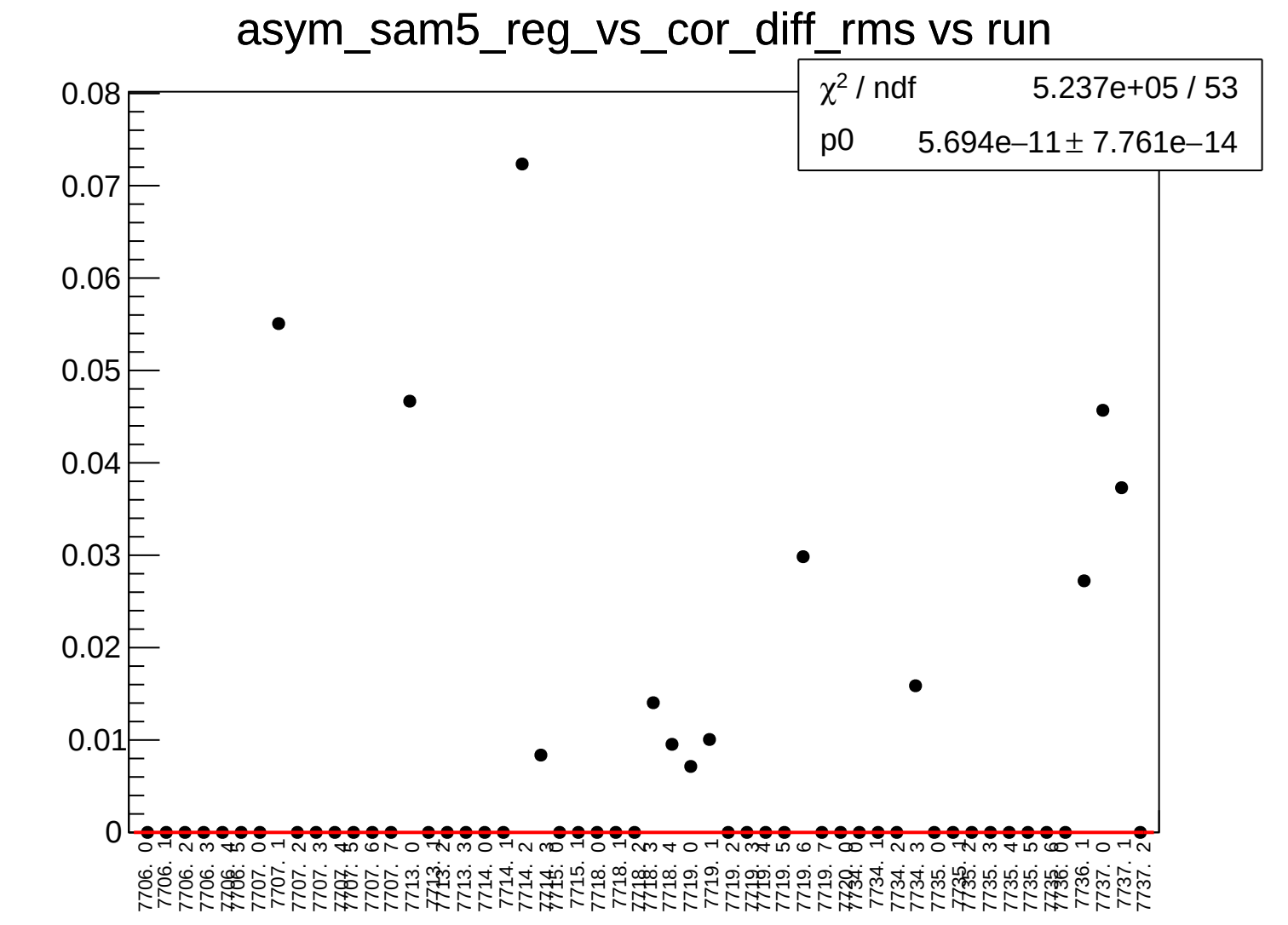

asym_sam5_mean vs run
×10^3
χ² / ndf 54.49 / 53
p0 −335.9 ± 1524
pull
Entries 54
Mean 507.6
Std Dev 0

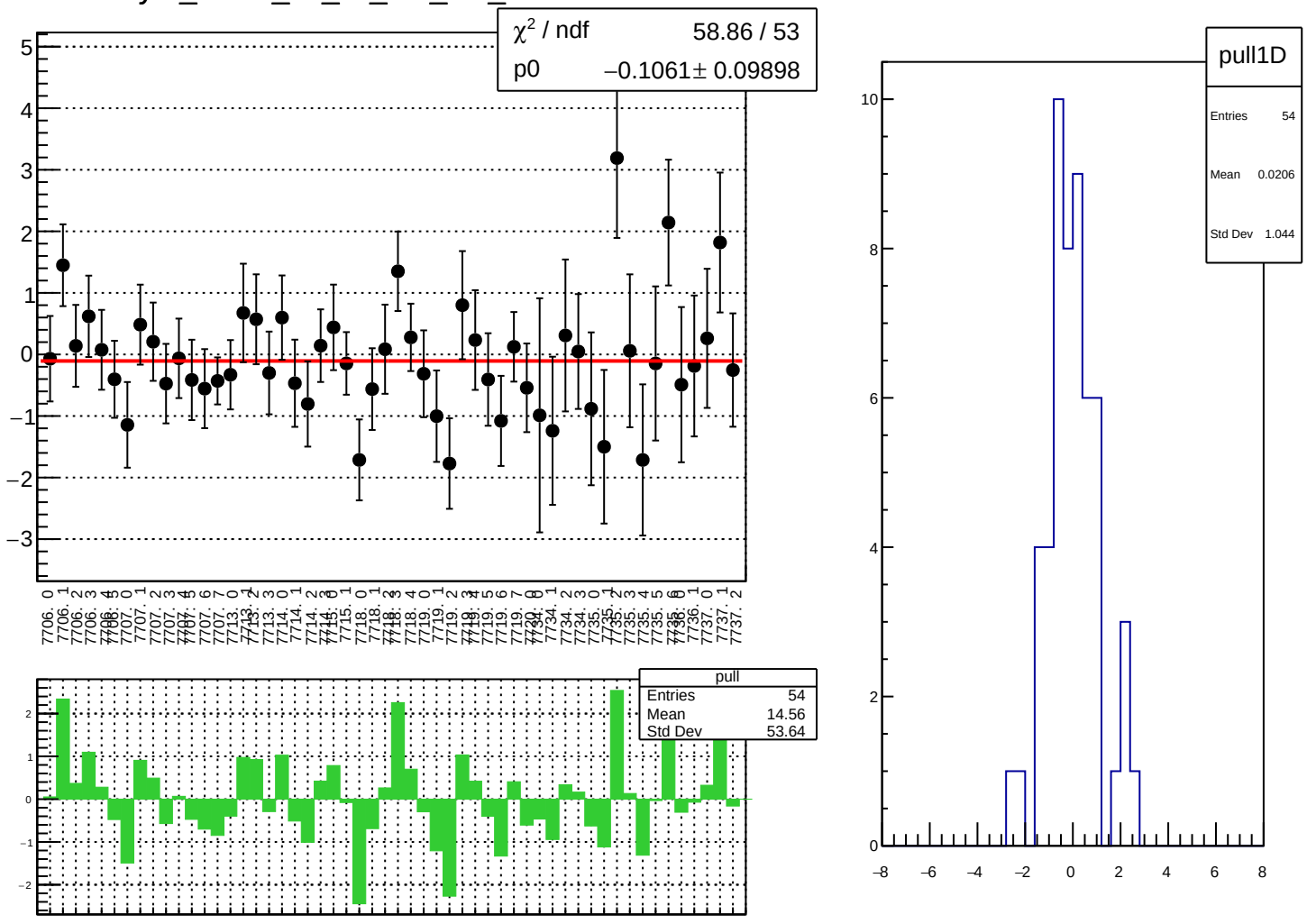

pull1D
Entries 54
Mean −0.001309
Std Dev 1.005

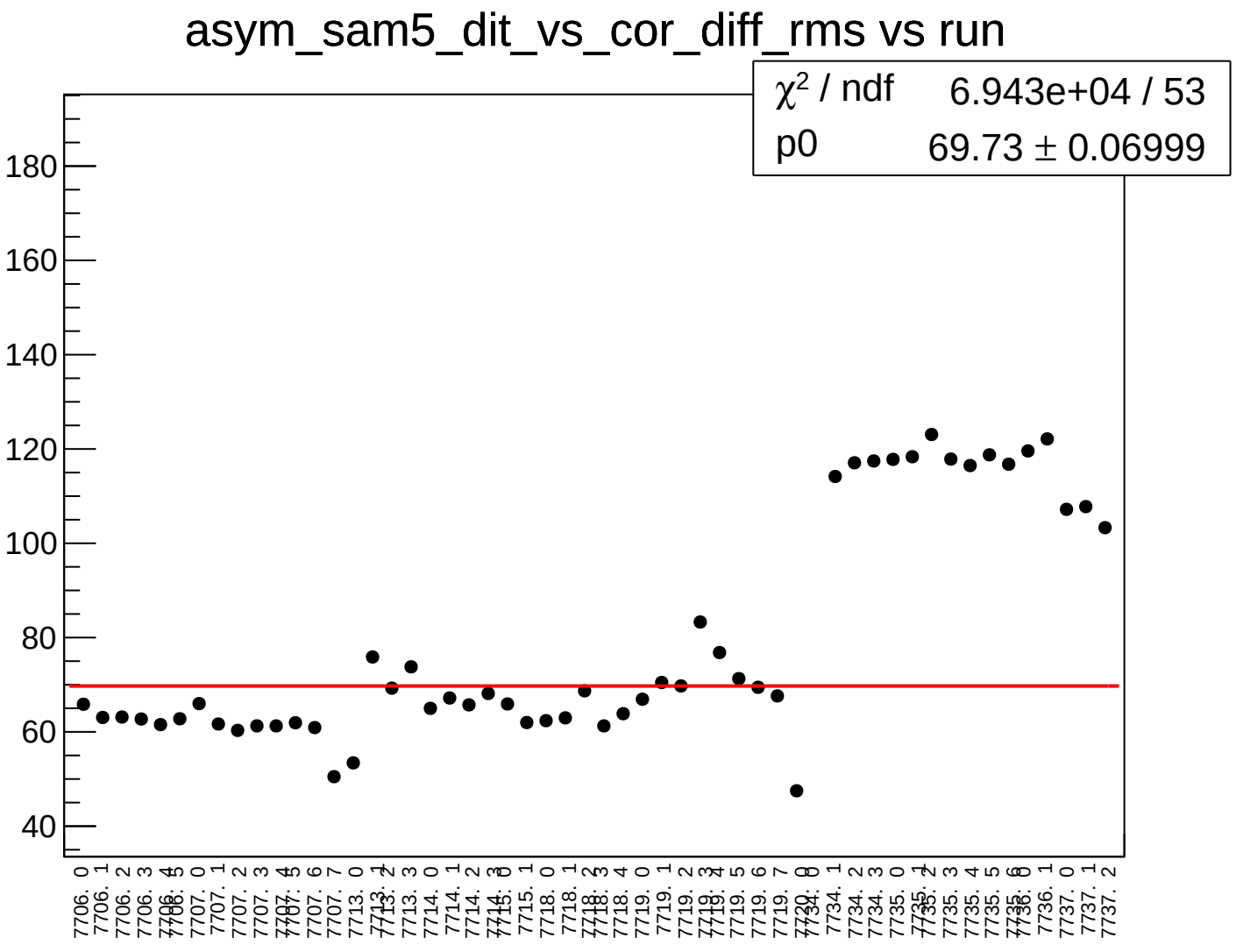

asym_sam5_rms vs run
χ² / ndf 1.147e+05 / 53
p0 1049 ± 1.077
3500
3000
2500
2000
1500
1000

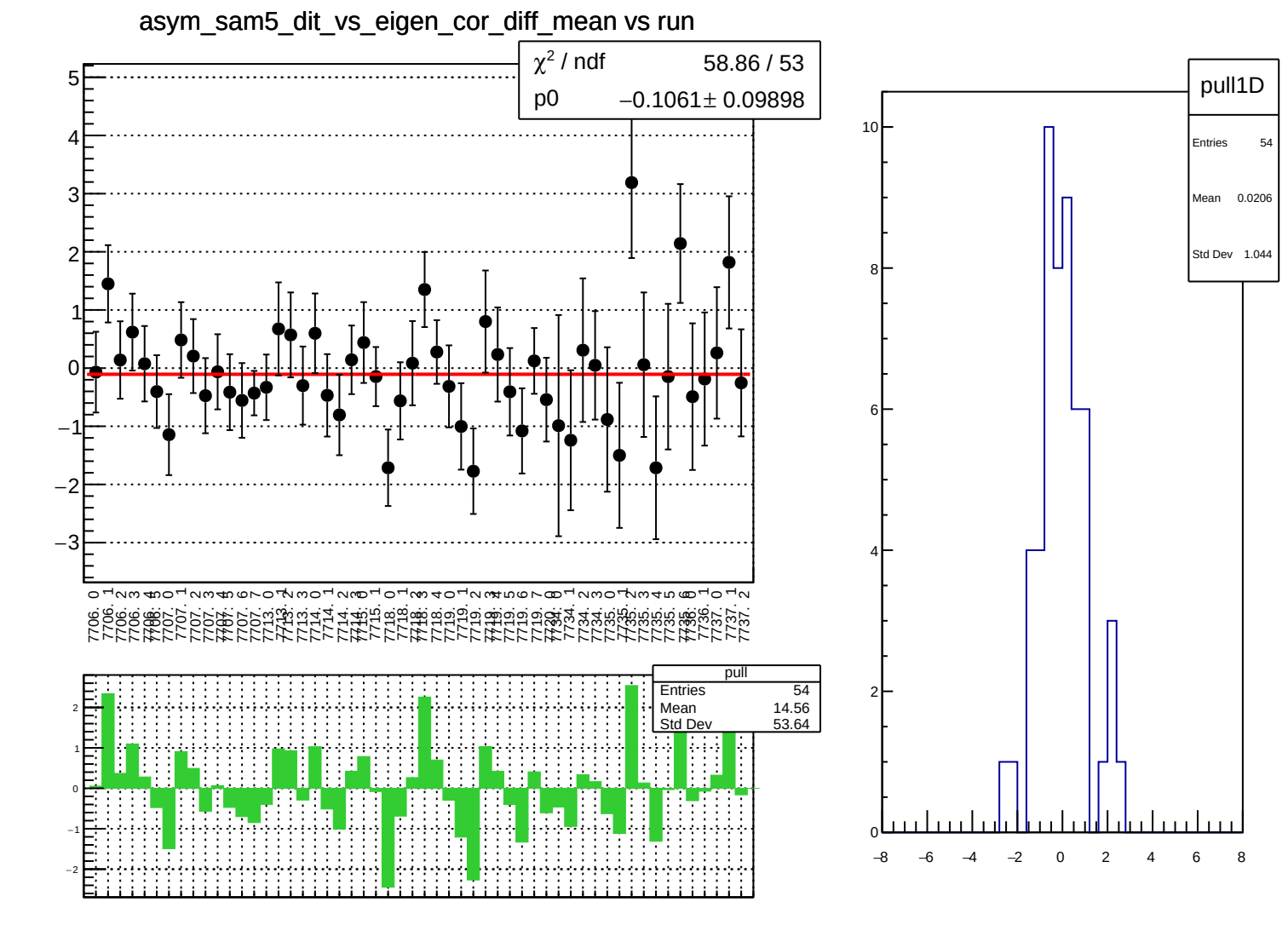

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 60.05 / 53
p0 −3.16e−14 ± 1.098e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 54
Mean 61.48
Std Dev 0
3
2
1
0
−1
−2

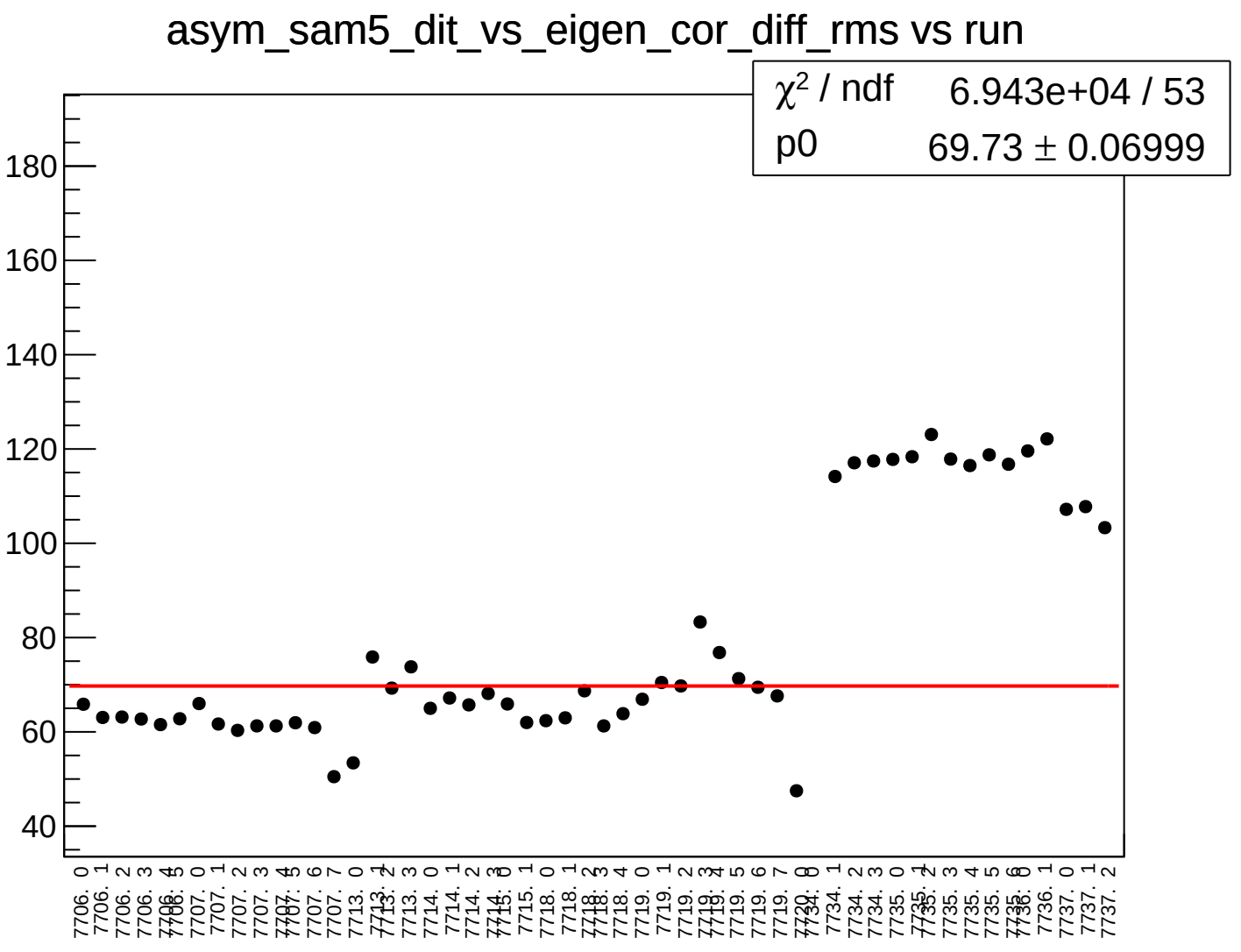

pull1D
Entries 54
Mean 0.05302
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

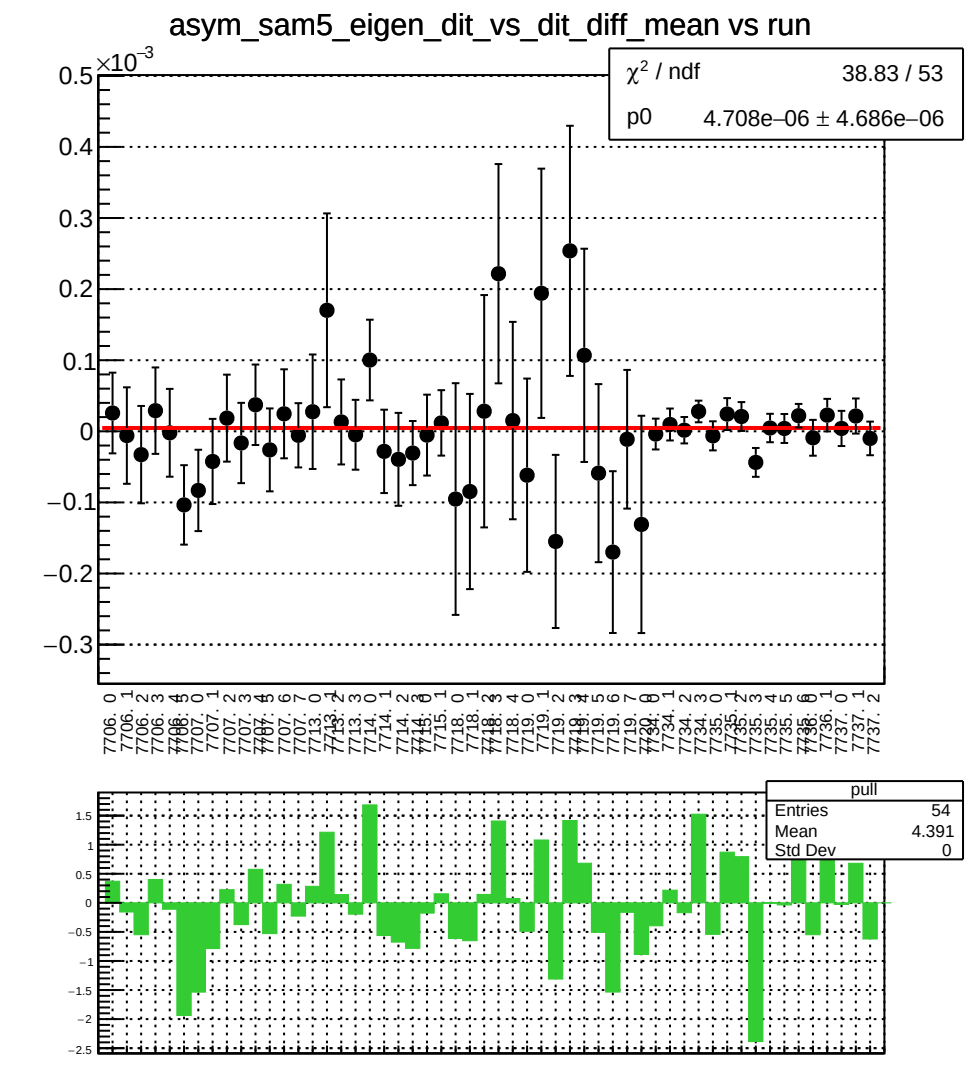

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 5.237e+05 / 53
p0 5.694e−11 ± 7.761e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

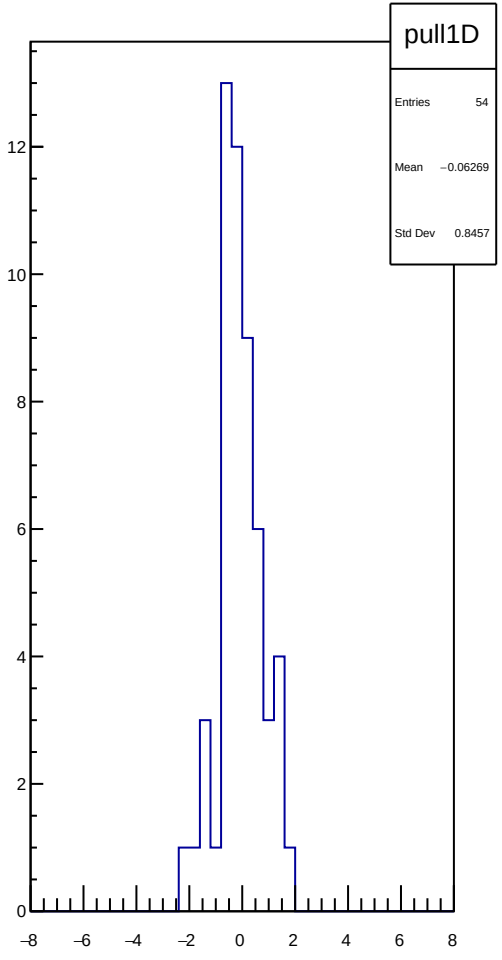

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 58.86 / 53
p0 −0.1061± 0.09898
pull
Entries 54
Mean 14.56
Std Dev 53.64
pull1D
Entries 54
Mean 0.0206
Std Dev 1.044

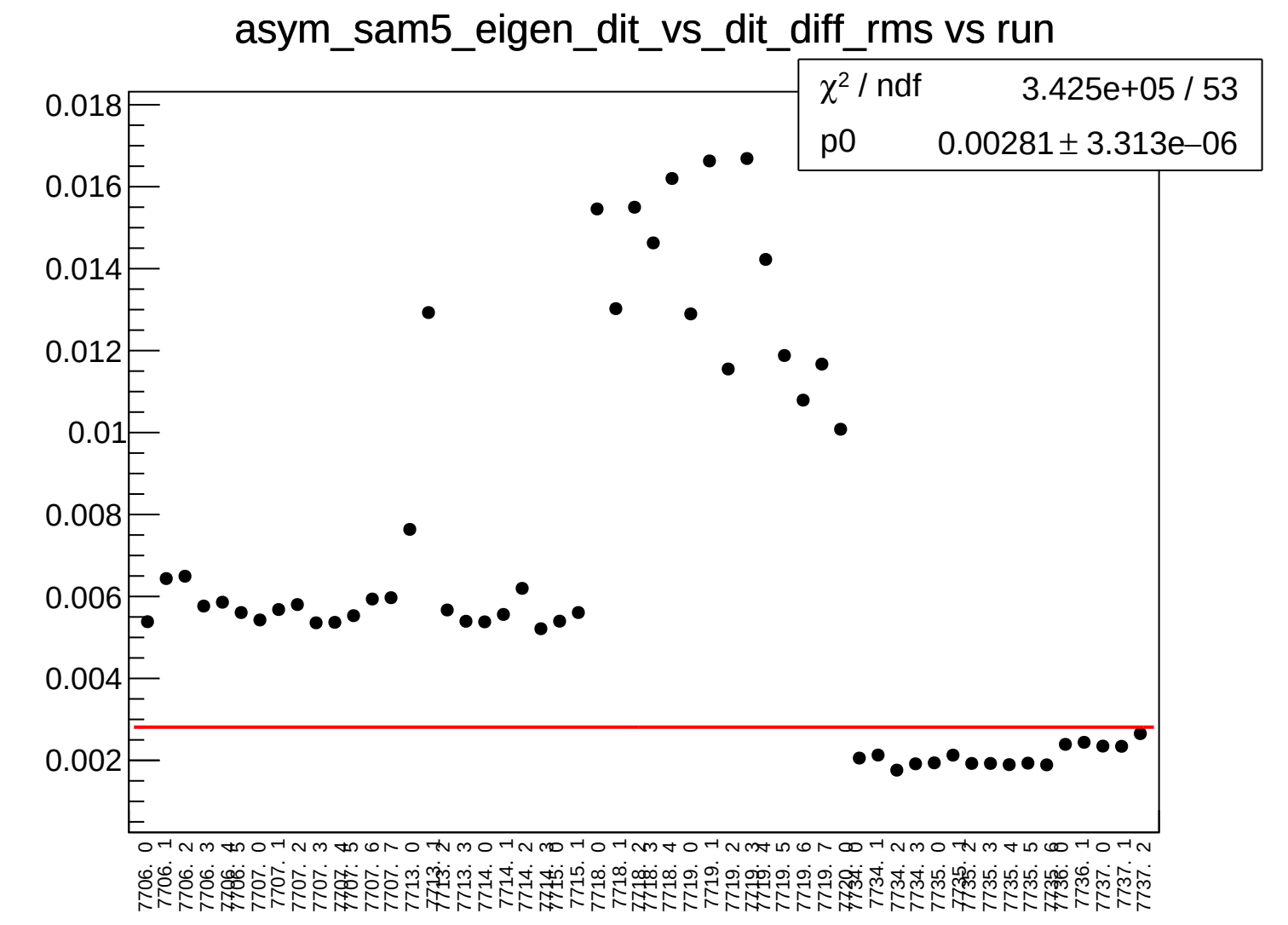

asym_sam5_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.943e+04 / 53
p0 69.73 ± 0.06999
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

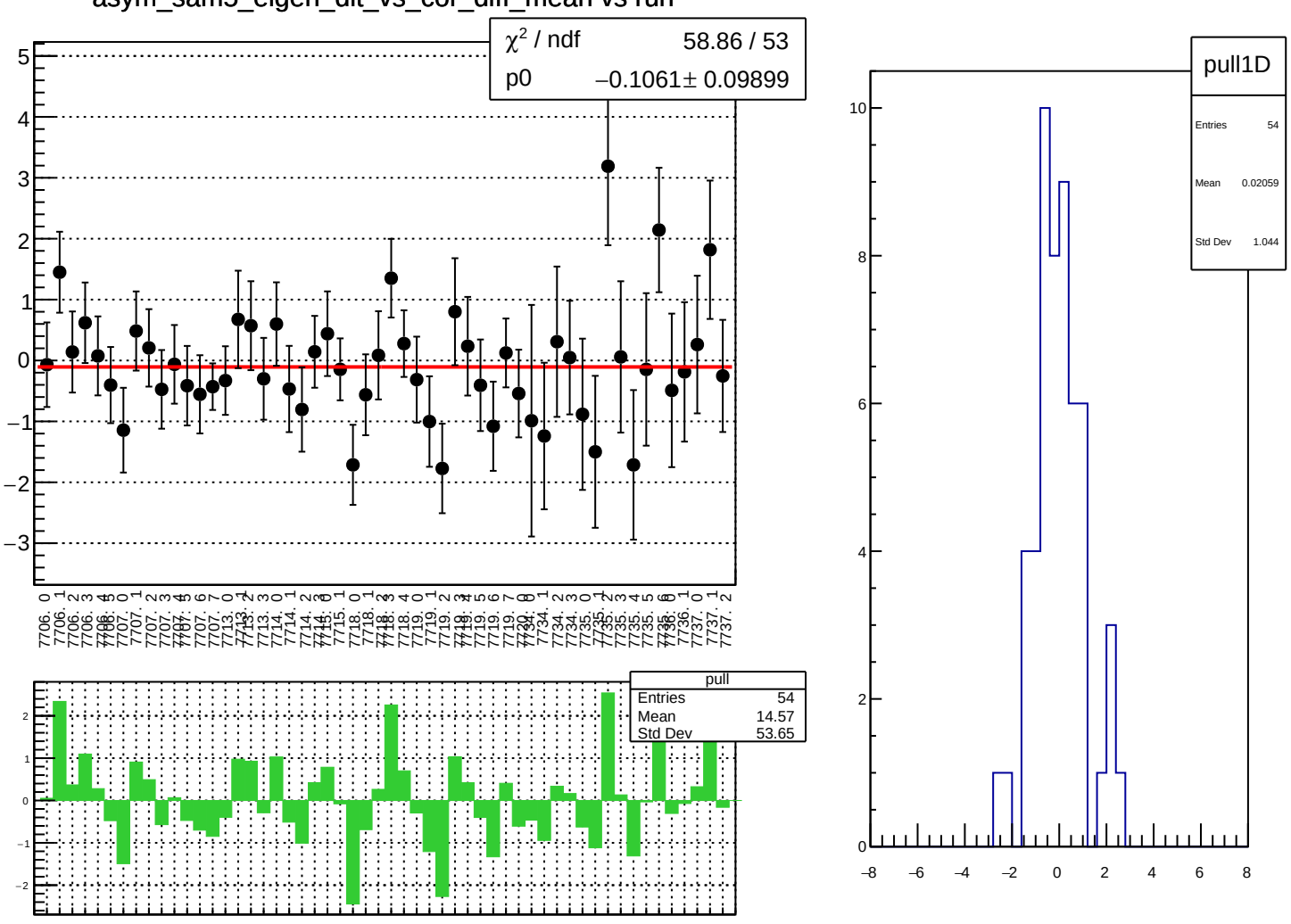

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.86 / 53
p0 −0.1061± 0.09898
pull
Entries 54
Mean 14.56
Std Dev 53.64
pull1D
Entries 54
Mean 0.0206
Std Dev 1.044

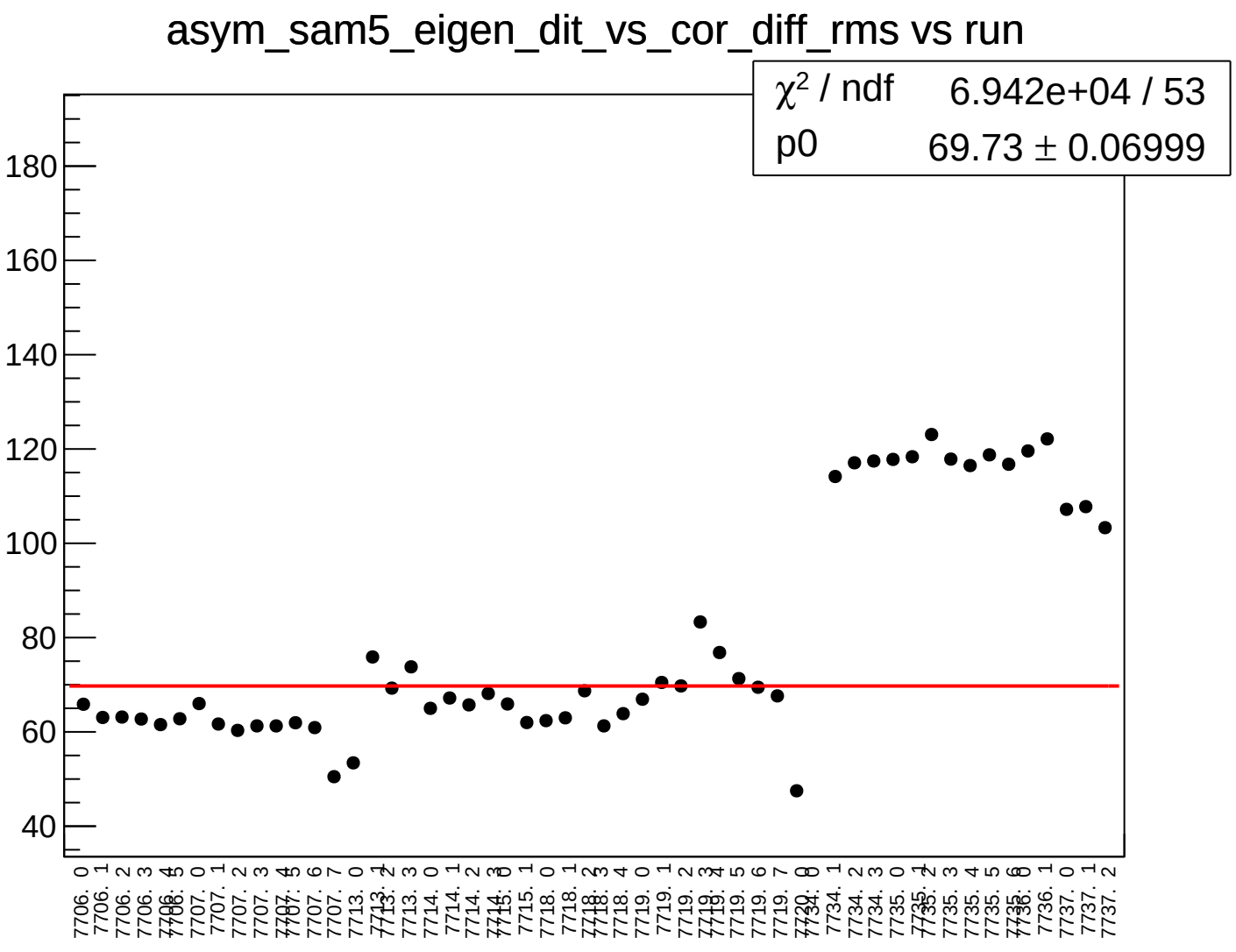

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 6.943e+04 / 53
p0 69.73 ± 0.06999
180
160
140
120
100
80
60
40

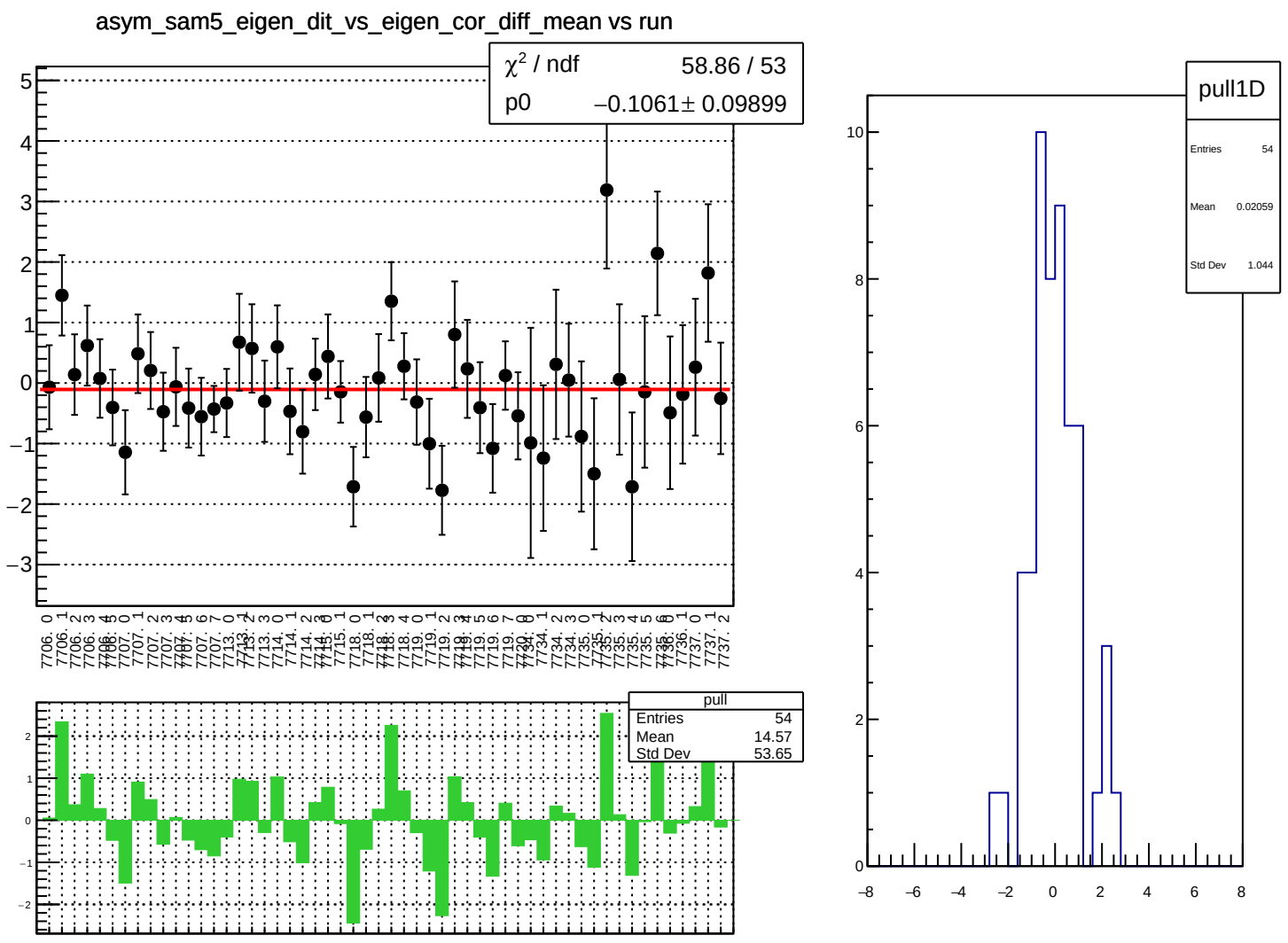

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.83 / 53
p0 4.708e−06 ± 4.686e−06
pull
Entries 54
Mean 4.391
Std Dev 0

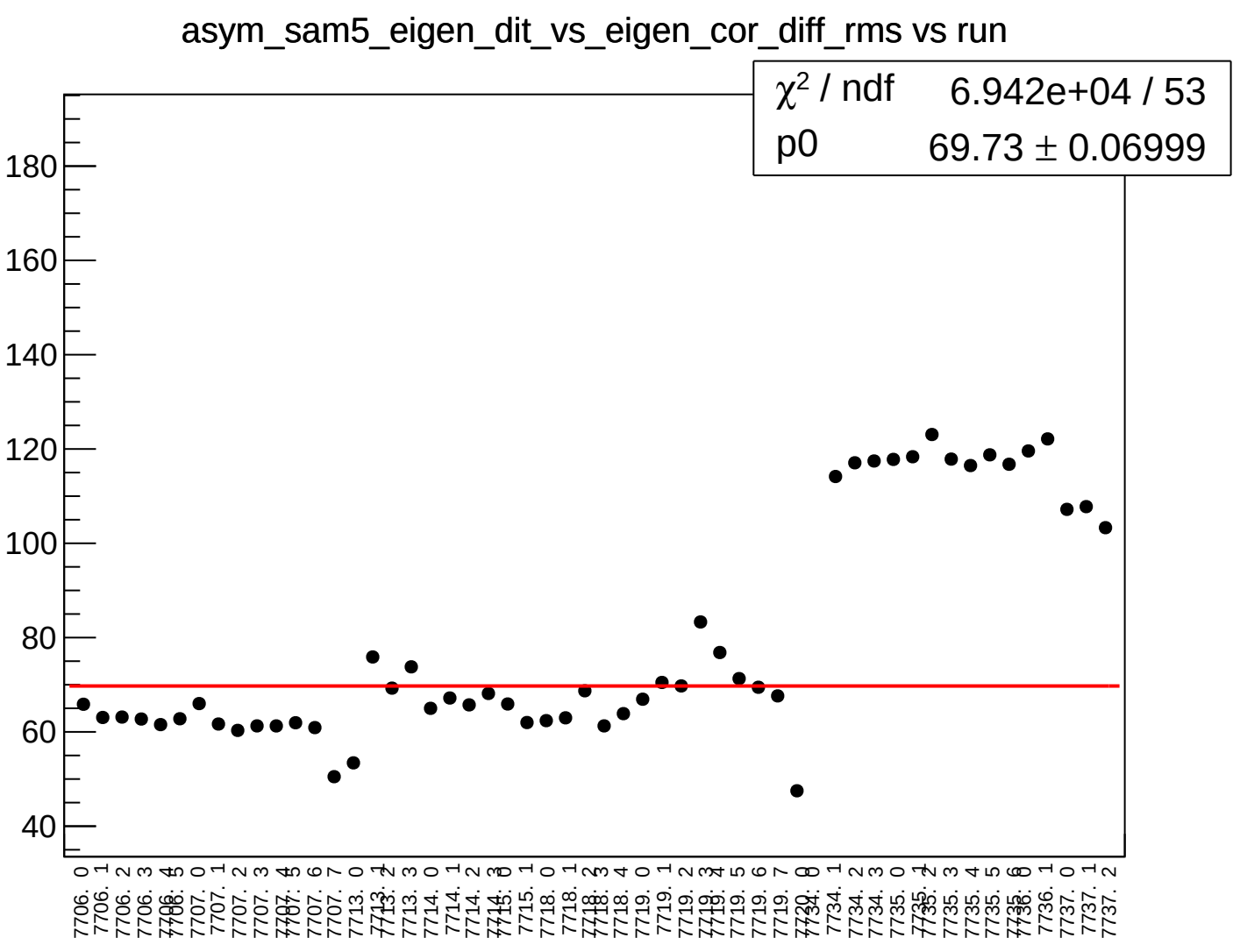

pull1D
Entries 54
Mean −0.06269
Std Dev 0.8457

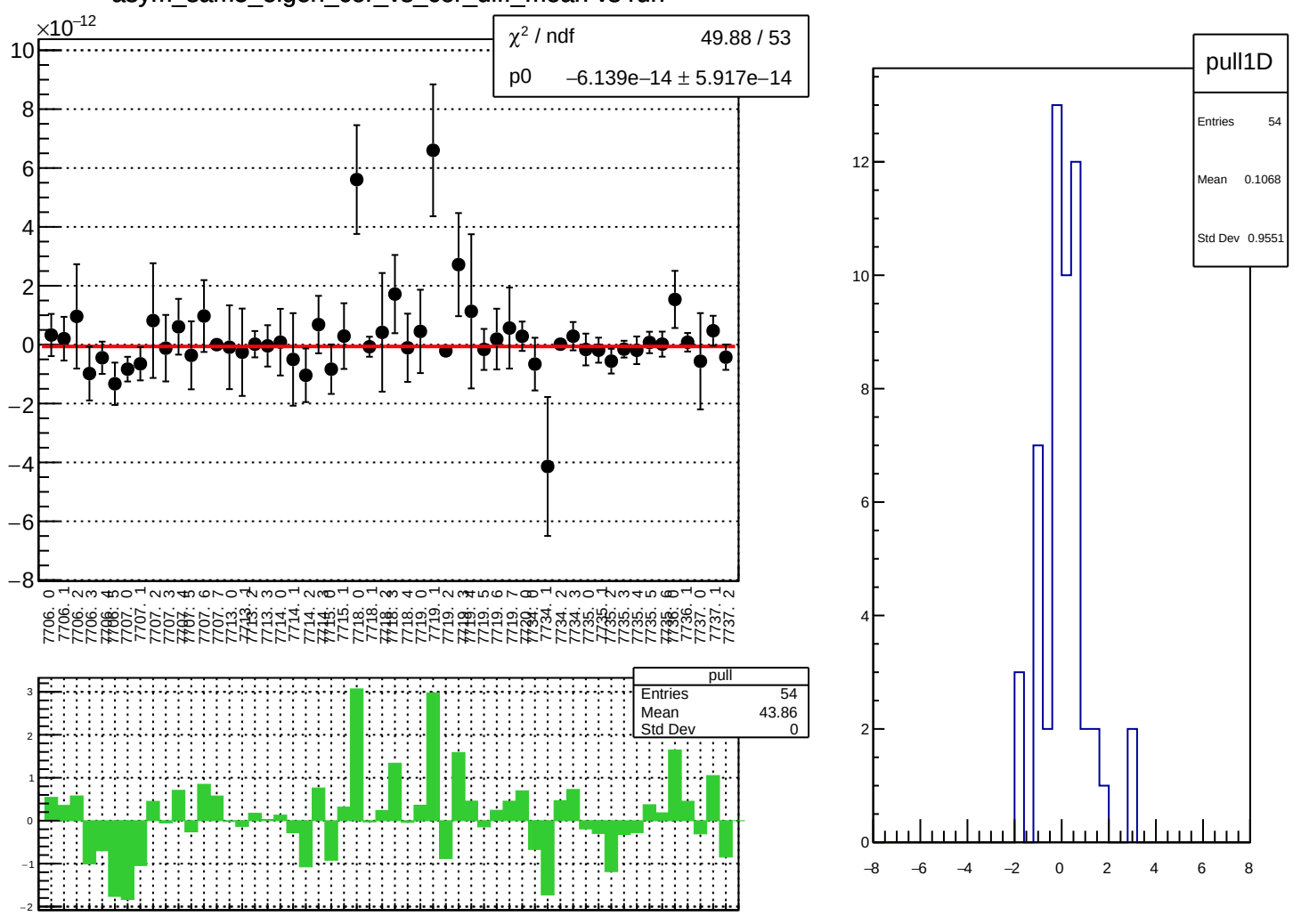

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.425e+05 / 53
p0 0.00281 ± 3.313e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

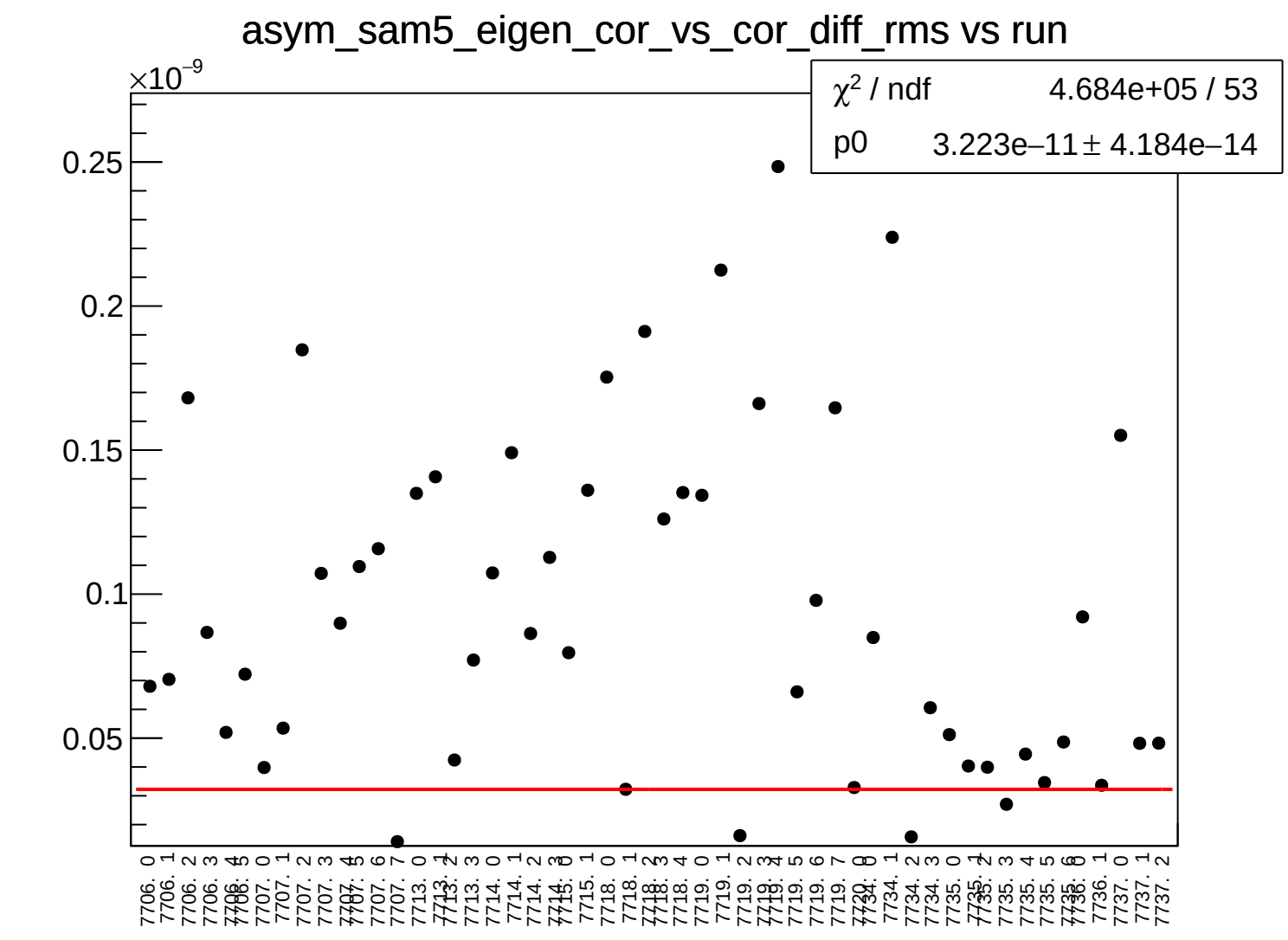

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.86 / 53
p0 −0.1061± 0.09899
pull
Entries 54
Mean 14.57
Std Dev 53.65
pull1D
Entries 54
Mean 0.02059
Std Dev 1.044

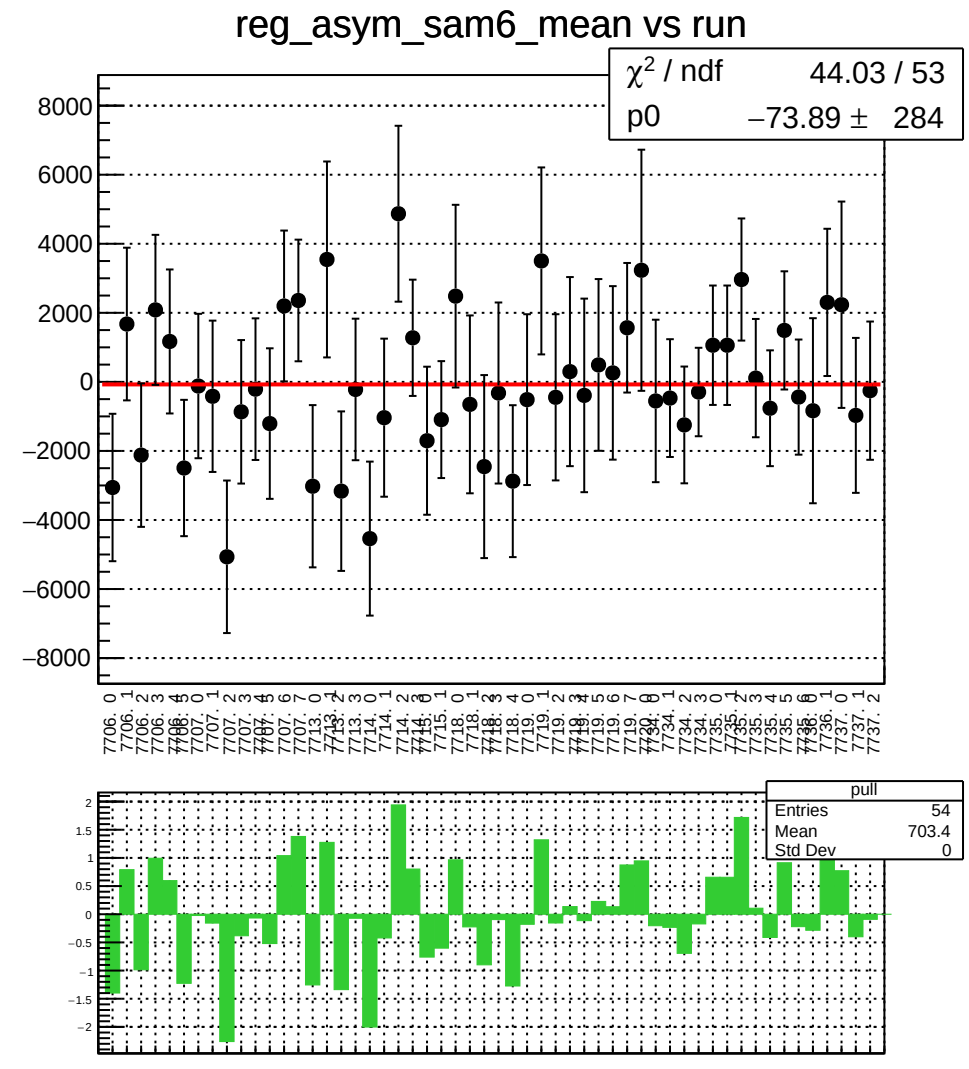

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.942e+04 / 53
p0 69.73 ± 0.06999
180
160
140
120
100
80
60
40

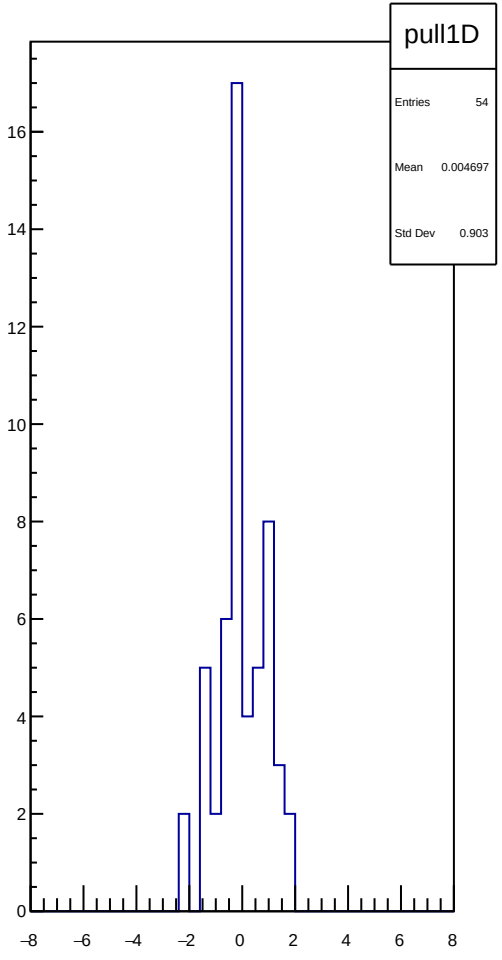

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.86 / 53
p0 −0.1061± 0.09899
pull
Entries 54
Mean 14.57
Std Dev 53.65
pull1D
Entries 54
Mean 0.02059
Std Dev 1.044

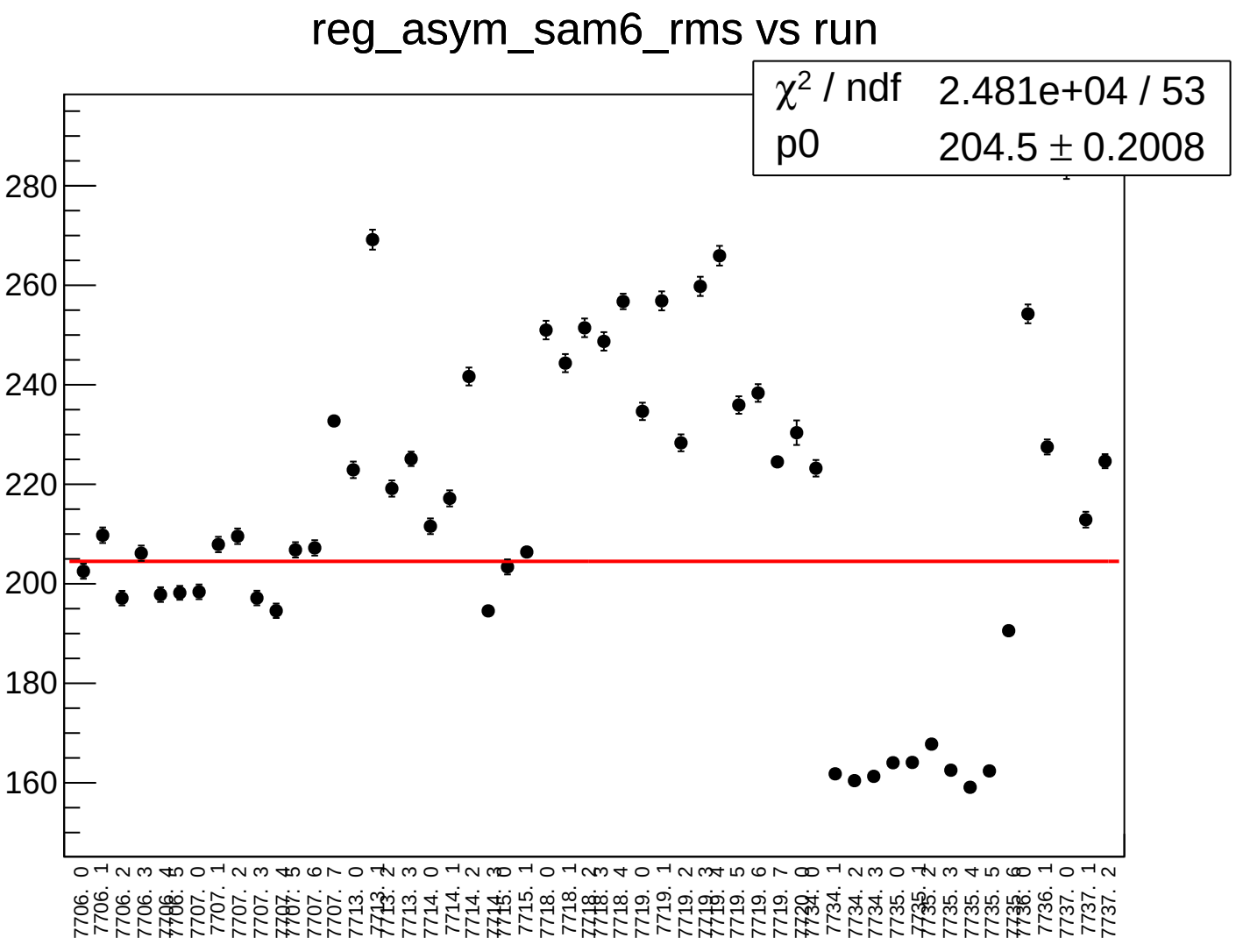

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.942e+04 / 53
p0 69.73 ± 0.06999
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

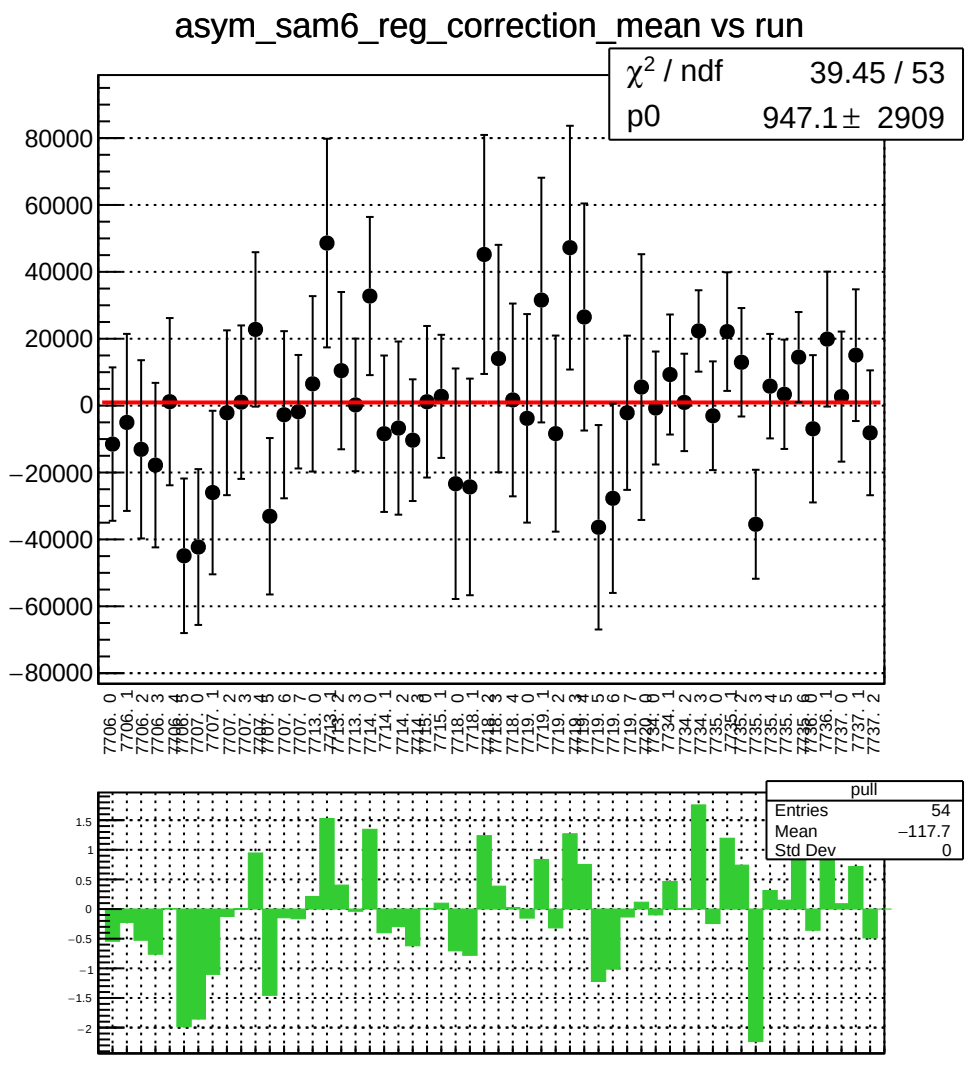

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.88 / 53
p0 −6.139e−14 ± 5.917e−14
pull
Entries 54
Mean 43.86
Std Dev 0
pull1D
Entries 54
Mean 0.1068
Std Dev 0.9551

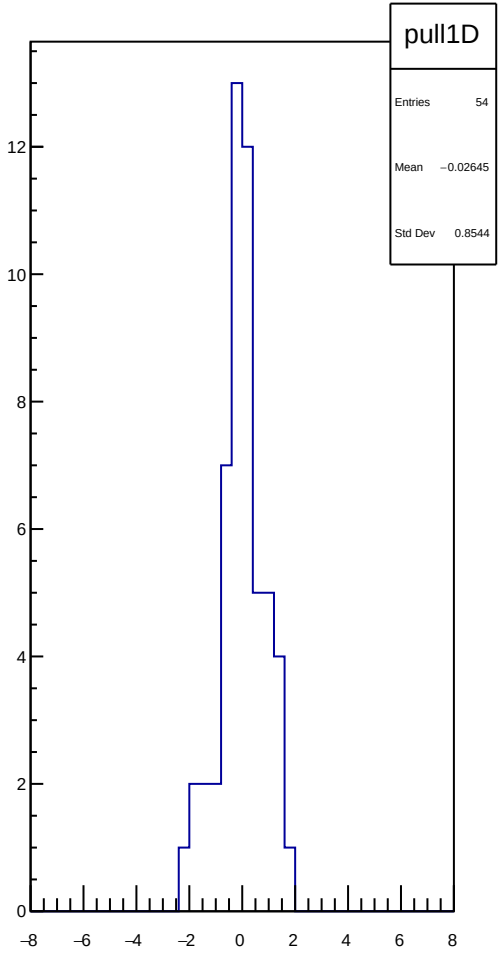

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.684e+05 / 53
p0 3.223e−11 ± 4.184e−14
0.25
0.2
0.15
0.1
0.05
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

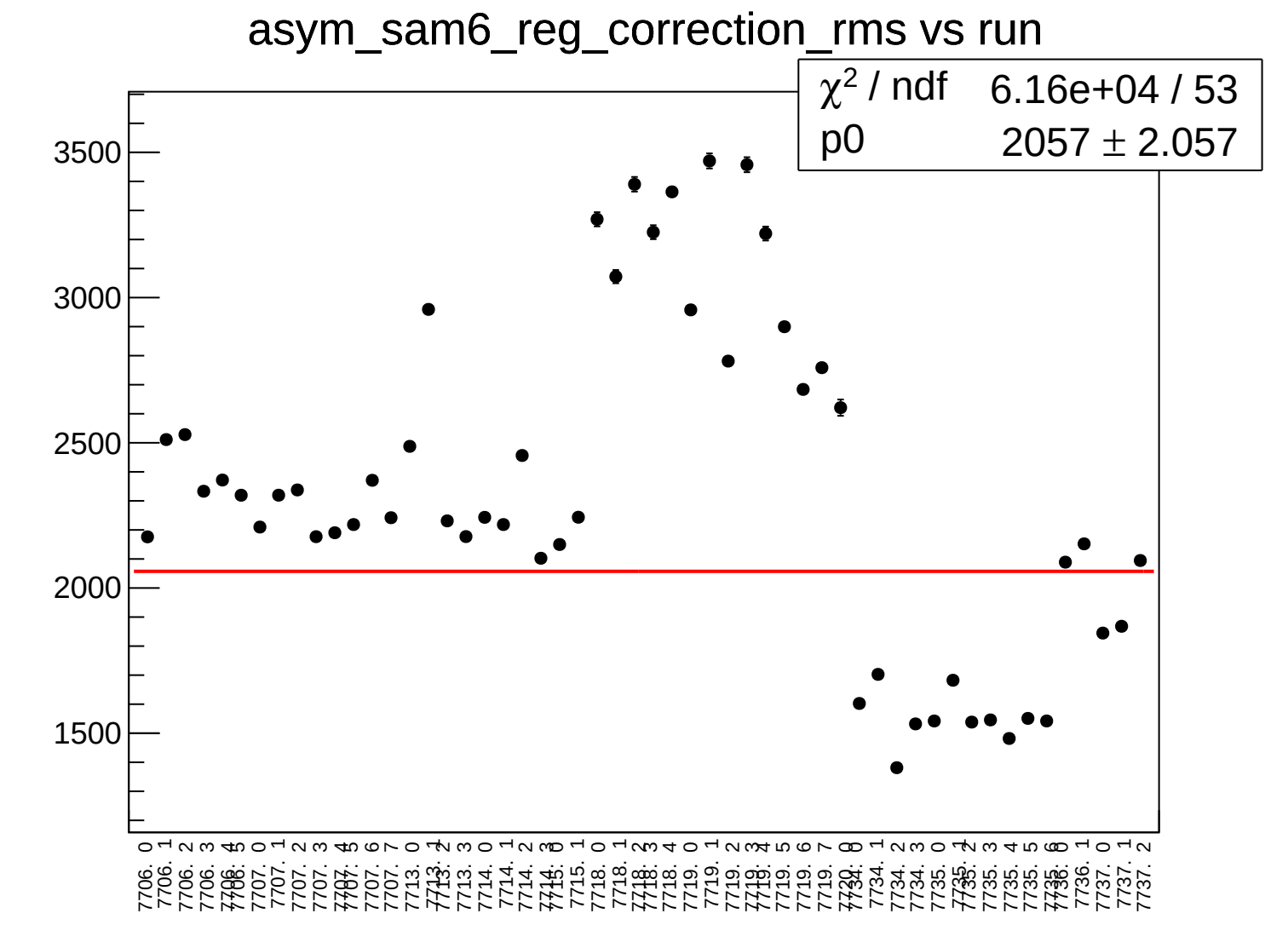

reg_asym_sam6_mean vs run
χ² / ndf 44.03 / 53
p0 −73.89 ± 284
pull
Entries 54
Mean 703.4
Std Dev 0

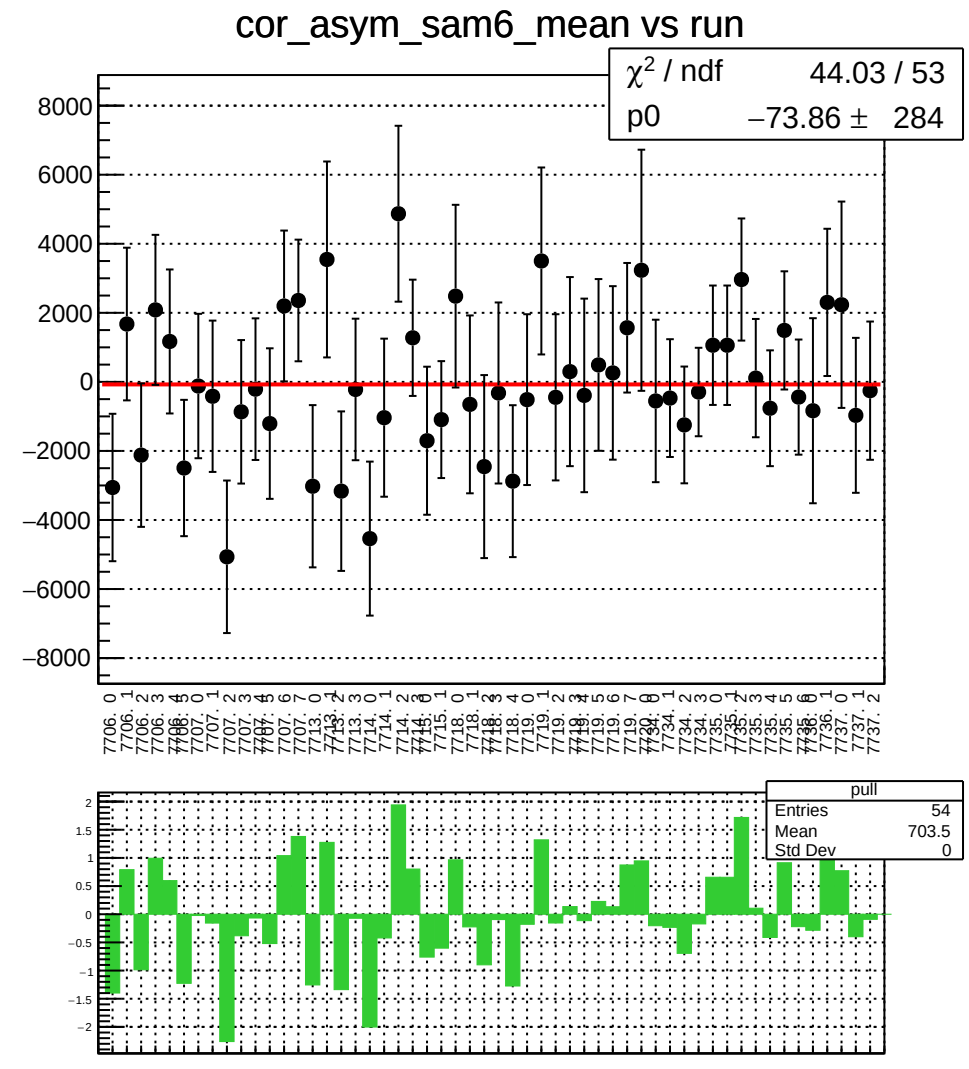

pull1D
Entries 54
Mean 0.004697
Std Dev 0.903

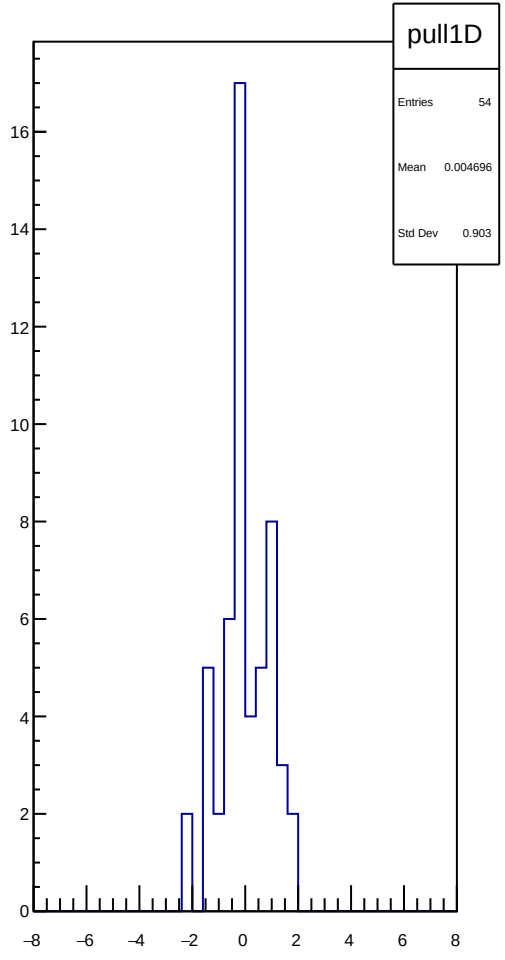

reg_asym_sam6_rms vs run
χ² / ndf 2.481e+04 / 53
p0 204.5 ± 0.2008
280
260
240
220
200
180
160

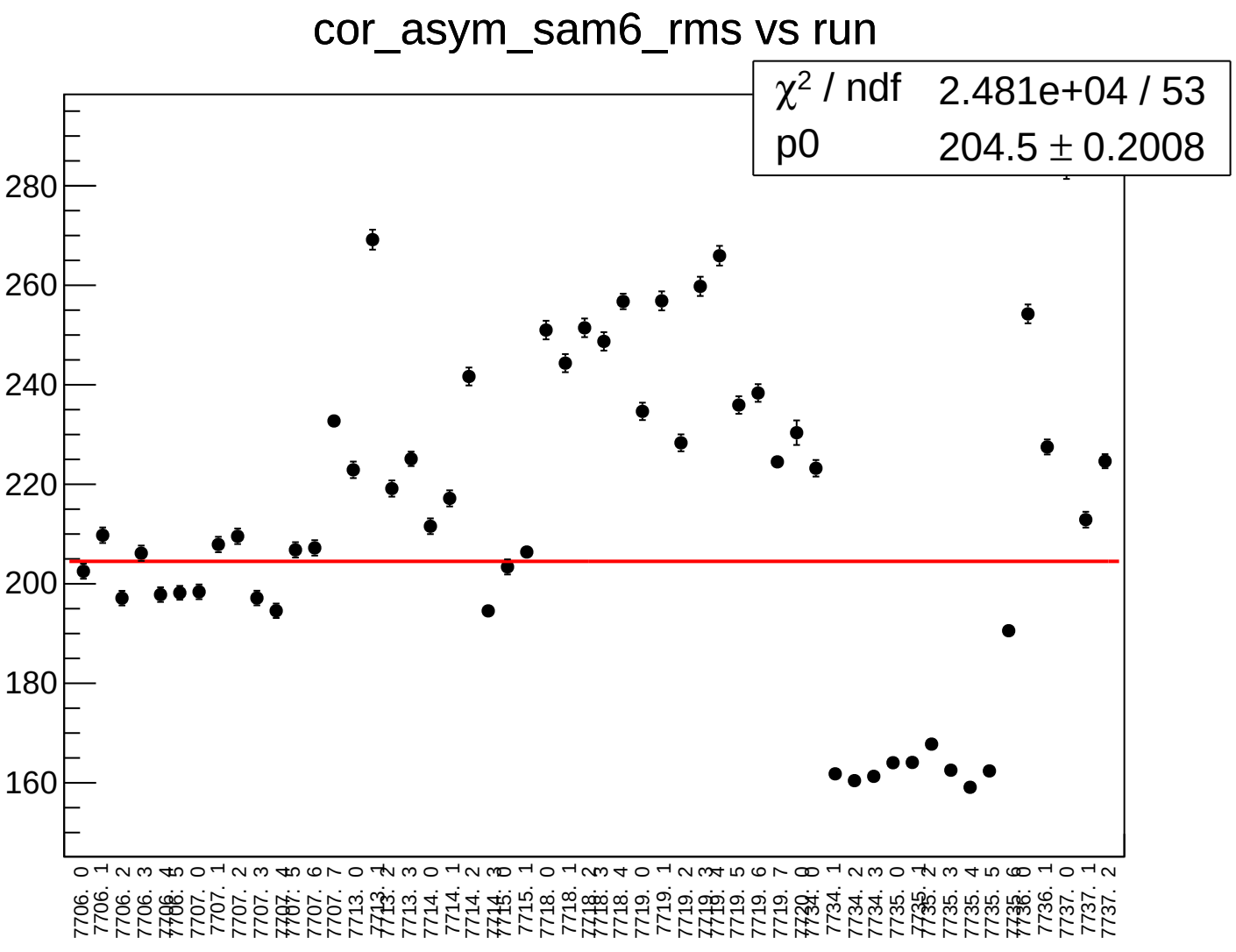

asym_sam6_reg_correction_mean vs run
χ² / ndf 39.45 / 53
p0 947.1 ± 2909
pull
Entries 54
Mean −117.7
Std Dev 0

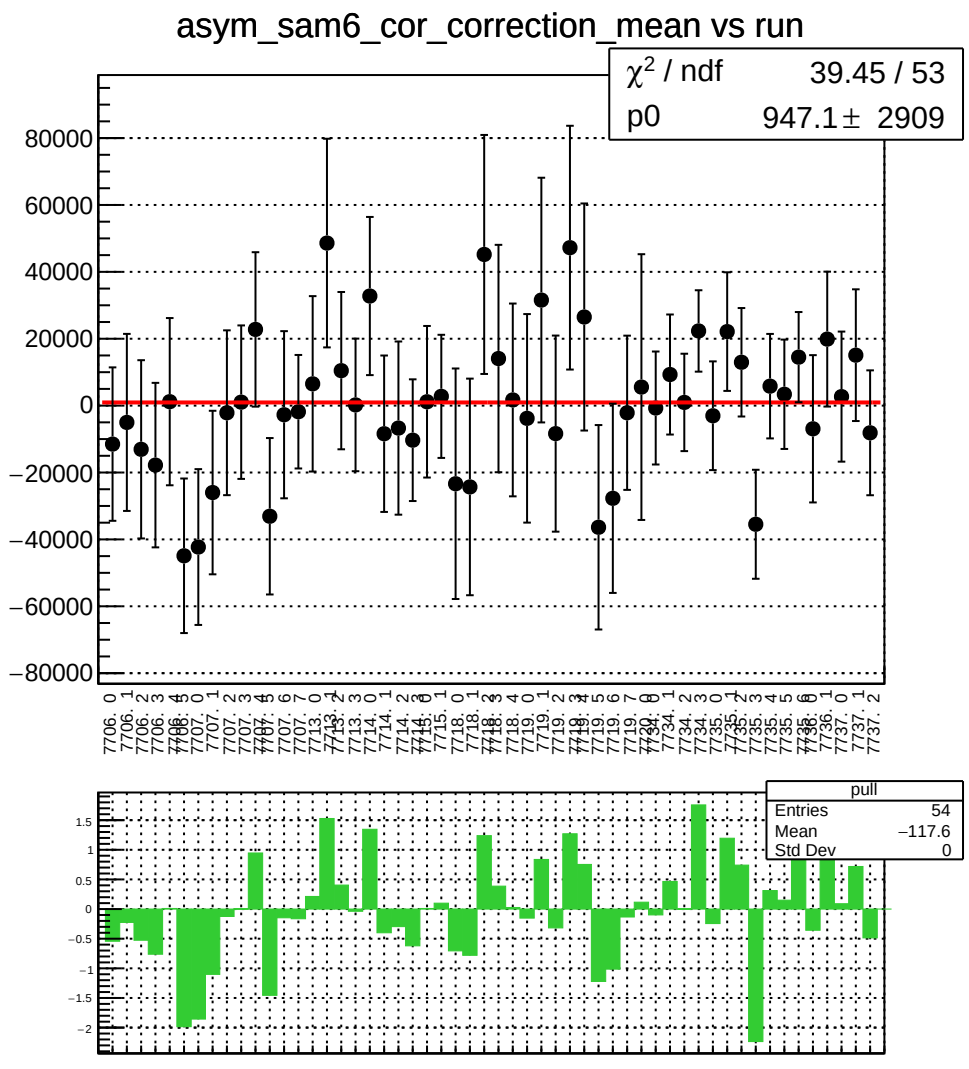

pull1D
Entries 54
Mean −0.02645
Std Dev 0.8544

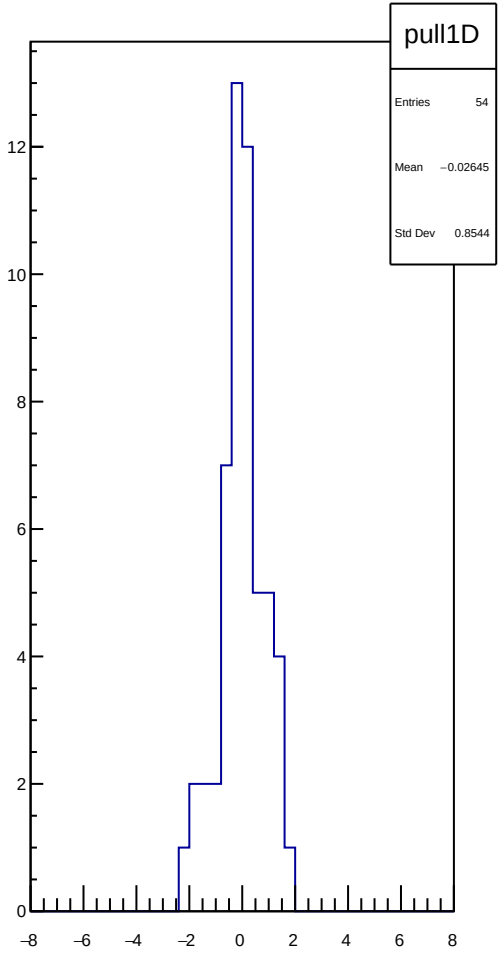

asym_sam6_reg_correction_rms vs run
χ² / ndf 6.16e+04 / 53
p0 2057 ± 2.057
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

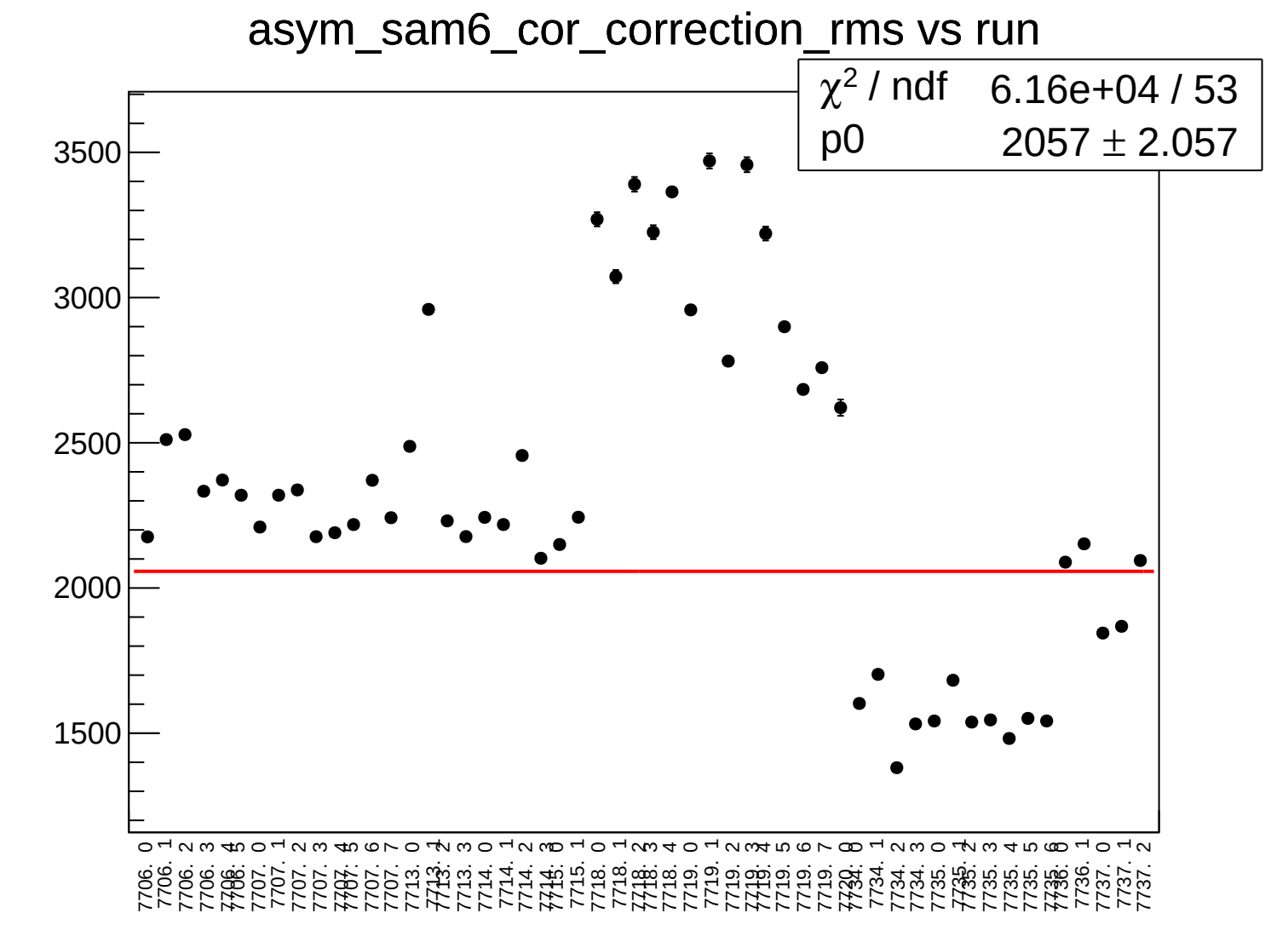

cor_asym_sam6_mean vs run
χ² / ndf 44.03 / 53
p0 −73.86 ± 284
pull
Entries 54
Mean 703.5
Std Dev 0

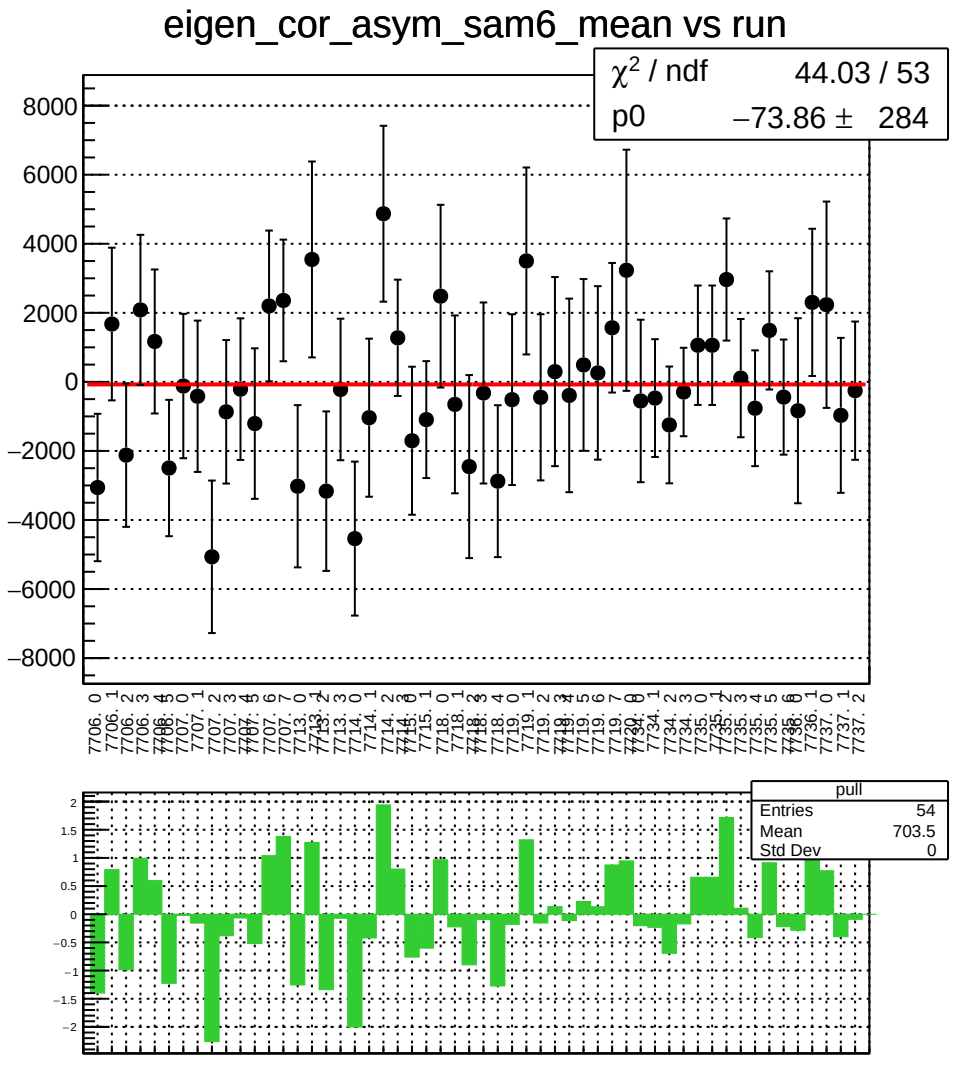

pull1D
Entries 54
Mean 0.004696
Std Dev 0.903

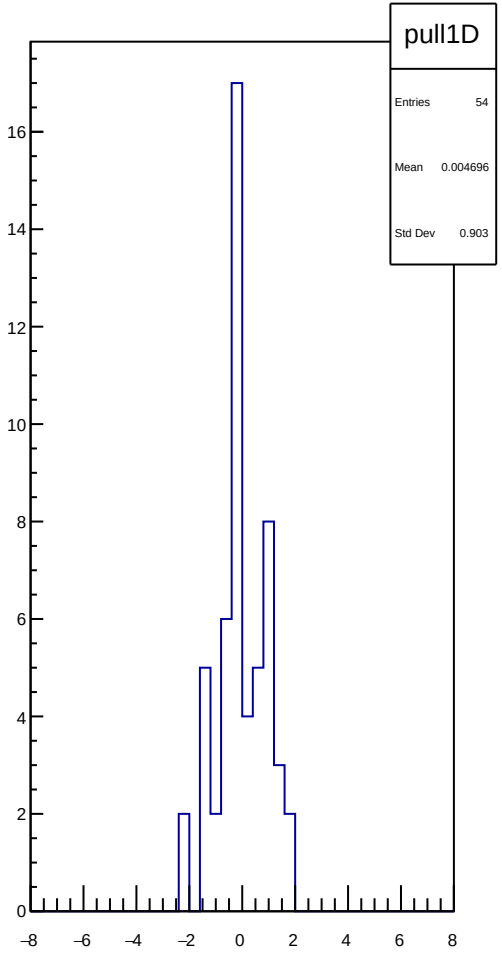

cor_asym_sam6_rms vs run
χ² / ndf 2.481e+04 / 53
p0 204.5 ± 0.2008
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

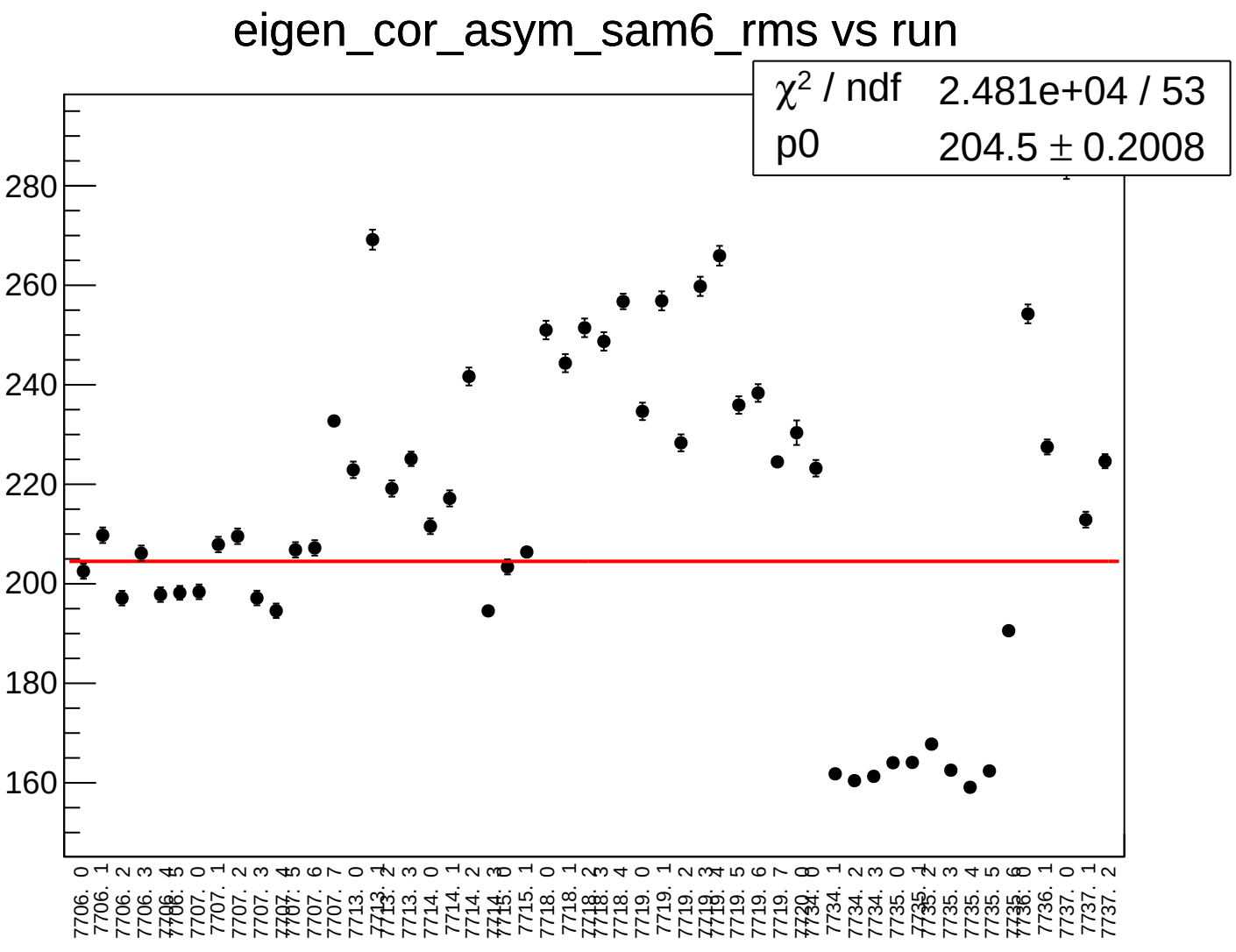

asym_sam6_cor_correction_mean vs run
χ² / ndf 39.45 / 53
p0 947.1 ± 2909
pull
Entries 54
Mean −117.6
Std Dev 0

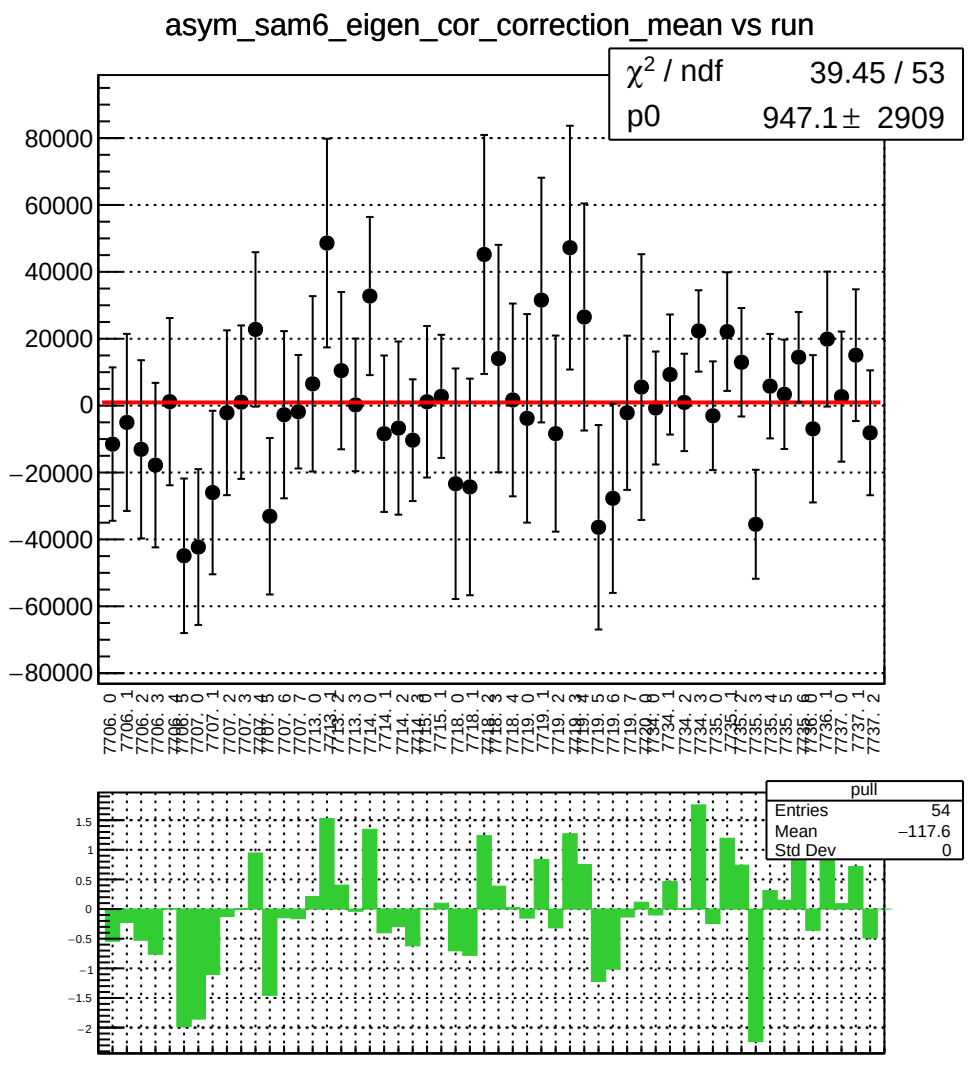

pull1D
Entries 54
Mean −0.02645
Std Dev 0.8544

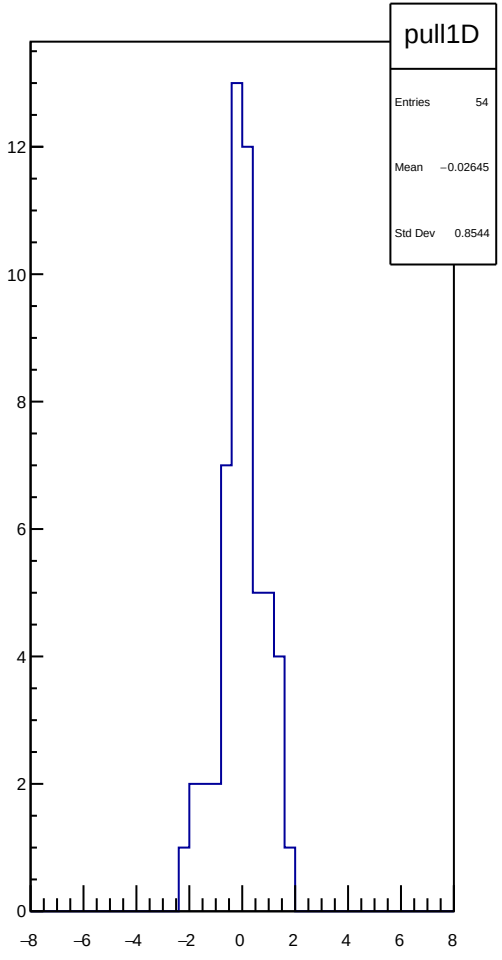

asym_sam6_cor_correction_rms vs run
χ² / ndf 6.16e+04 / 53
p0 2057 ± 2.057
3500
3000
2500
2000
1500

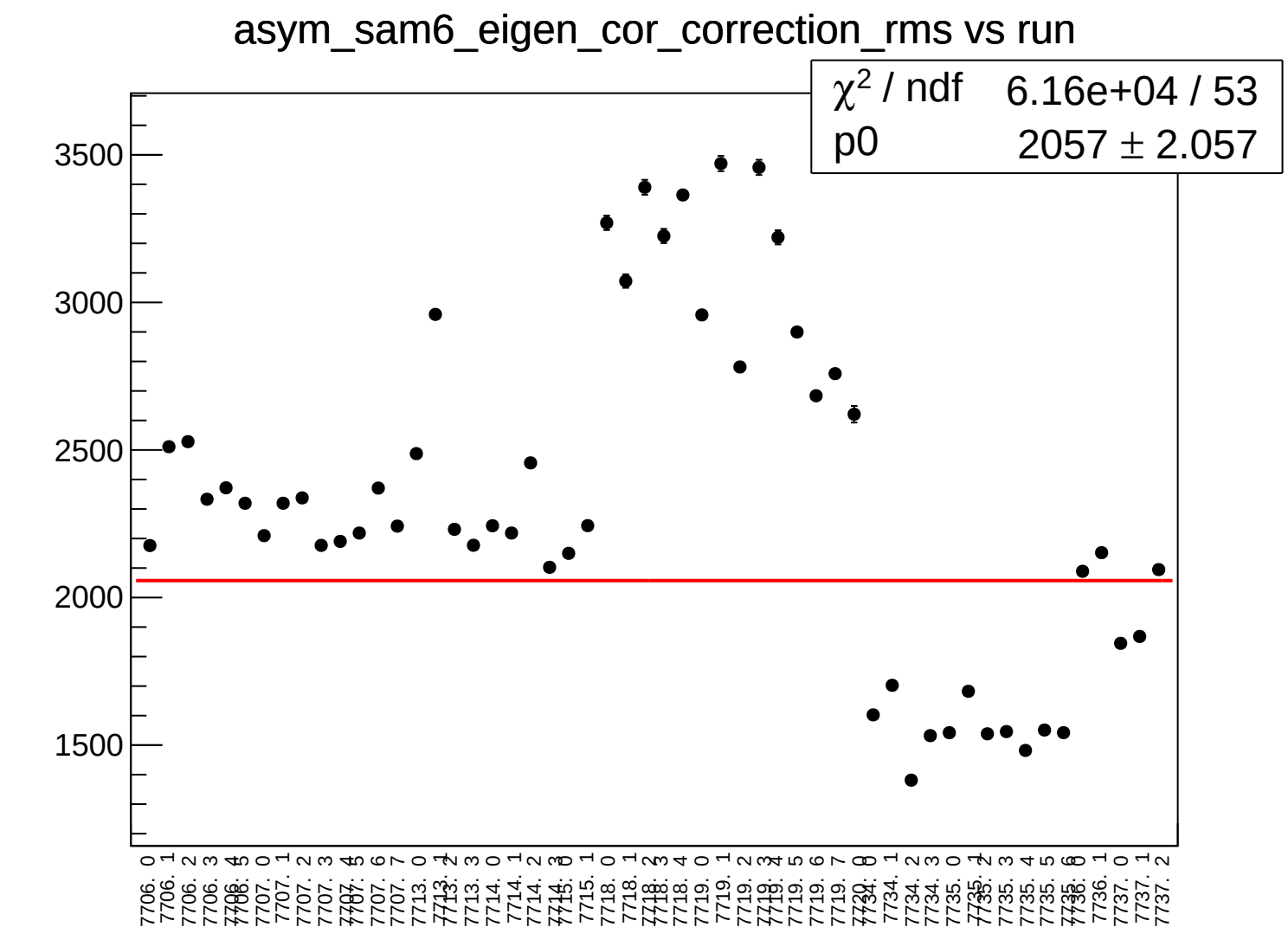

eigen_cor_asym_sam6_mean vs run
χ² / ndf 44.03 / 53
p0 −73.86 ± 284
pull
Entries 54
Mean 703.5
Std Dev 0

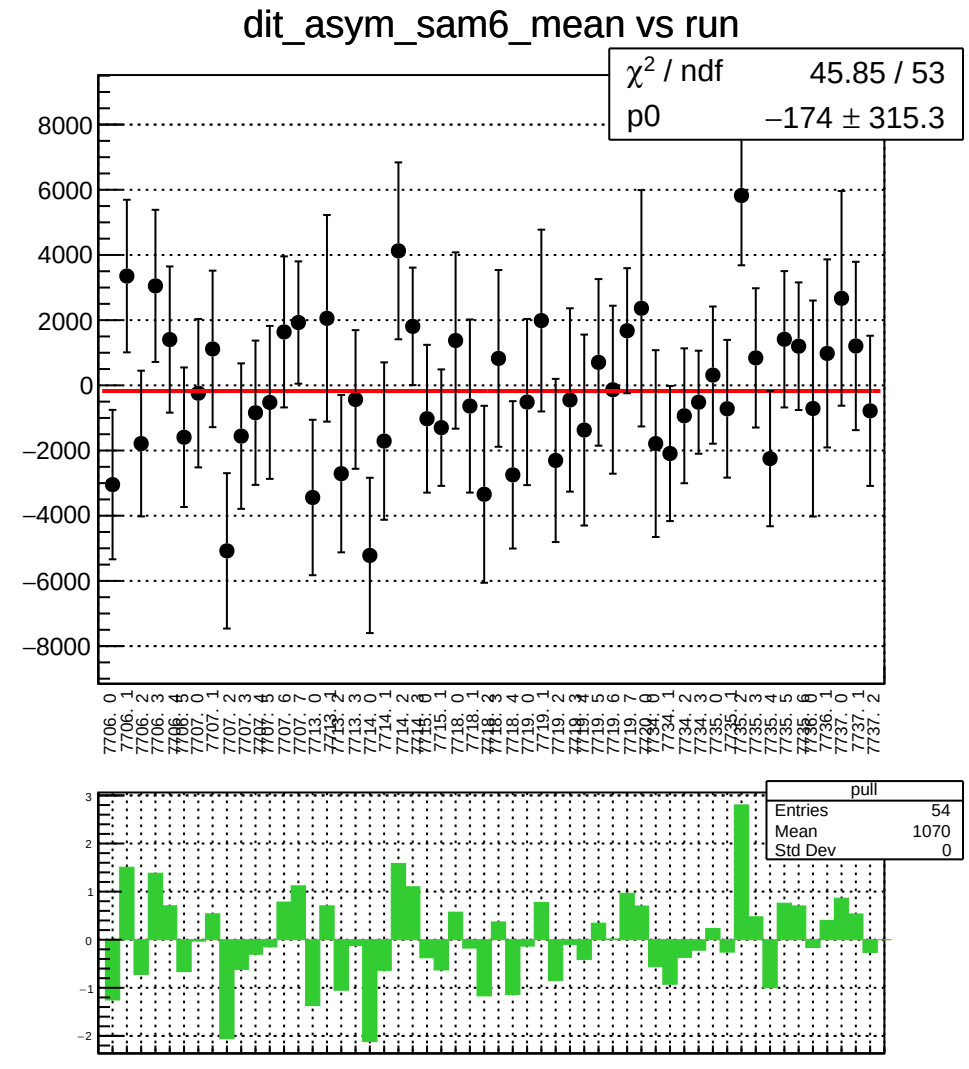

pull1D
Entries 54
Mean 0.004696
Std Dev 0.903

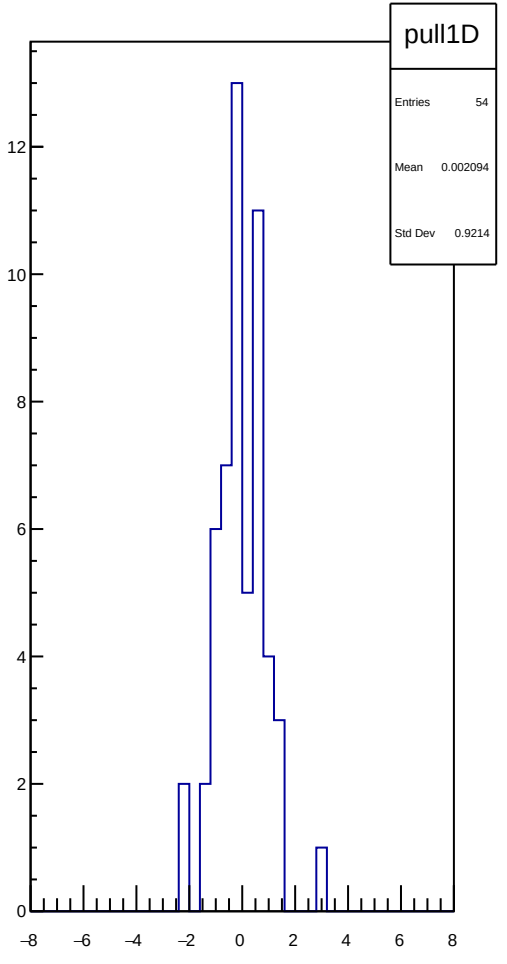

eigen_cor_asym_sam6_rms vs run
χ² / ndf 2.481e+04 / 53
p0 204.5 ± 0.2008
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

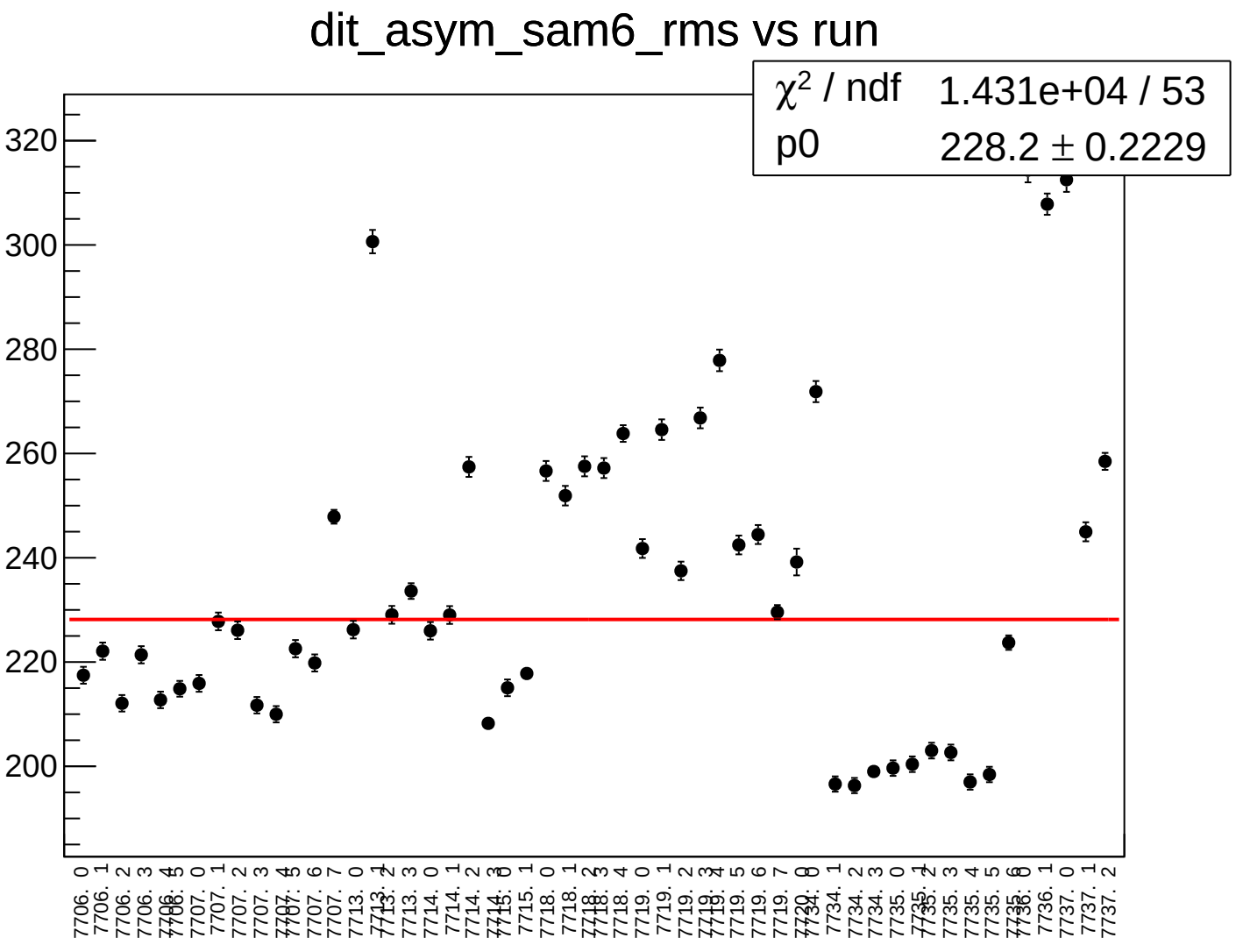

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 39.45 / 53
p0 947.1 ± 2909
pull
Entries 54
Mean −117.6
Std Dev 0

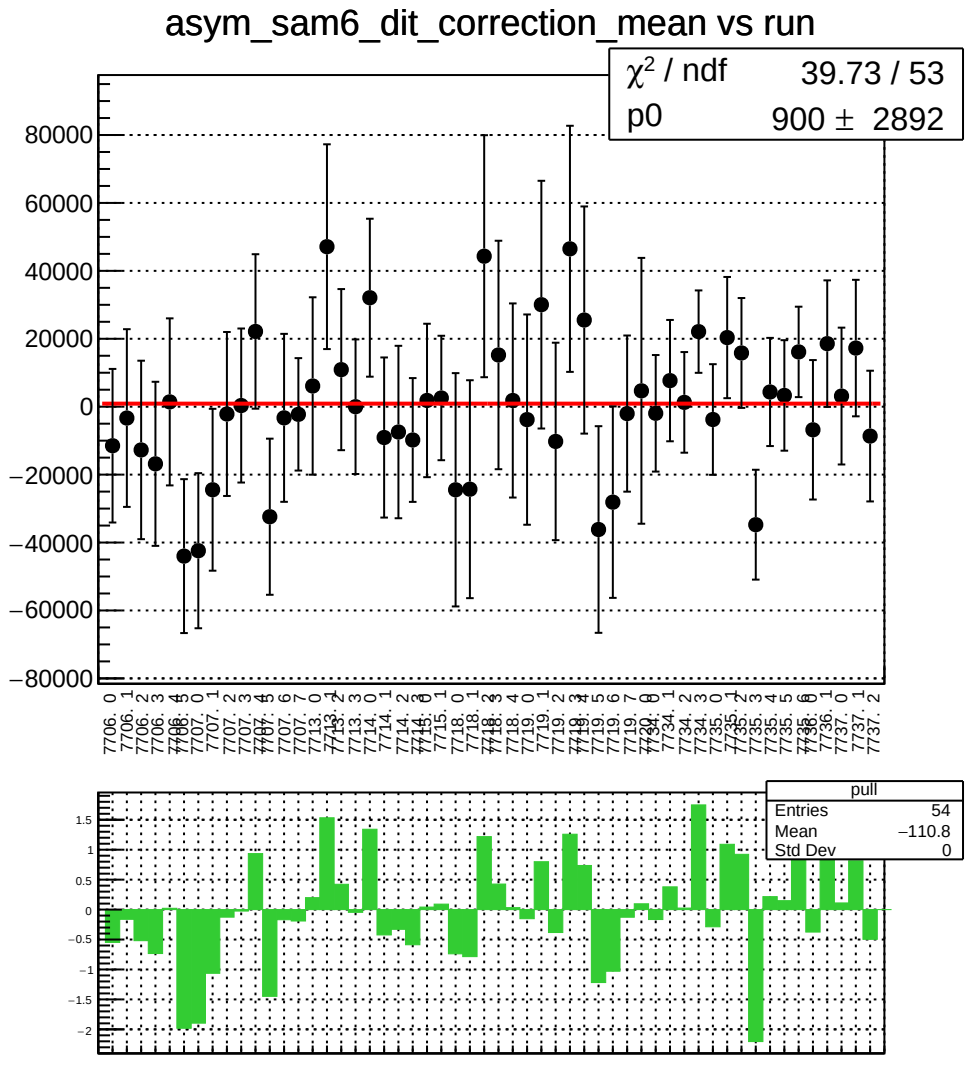

pull1D
Entries 54
Mean −0.02645
Std Dev 0.8544

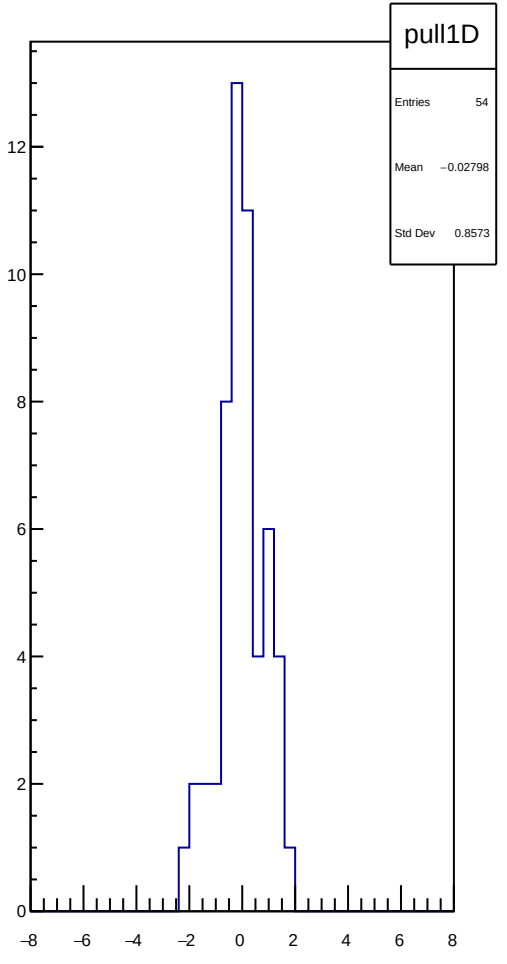

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 6.16e+04 / 53
p0 2057 ± 2.057
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

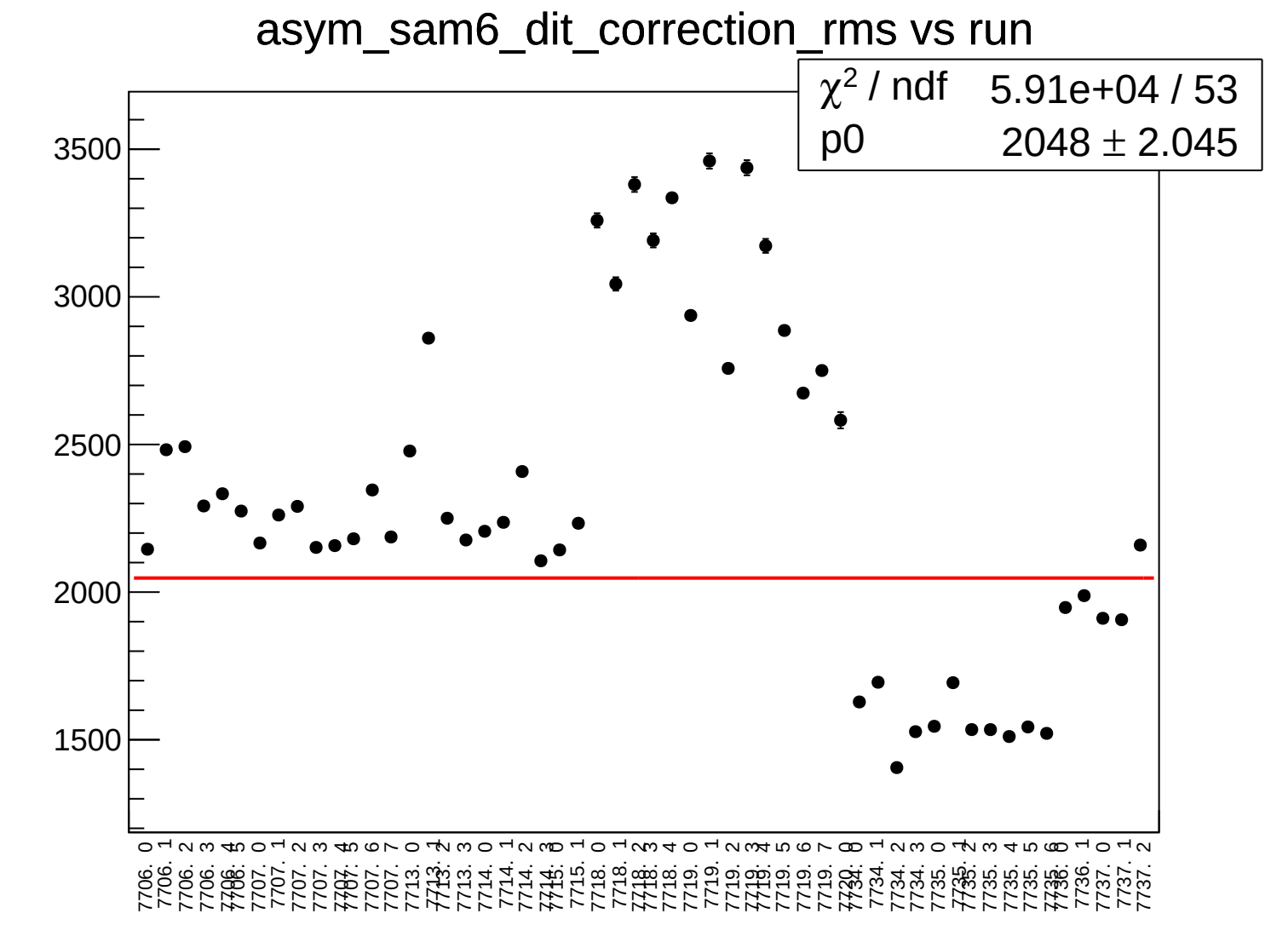

dit_asym_sam6_mean vs run
χ² / ndf 45.85 / 53
p0 −174 ± 315.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 1070
Std Dev 0
3
2
1
0
−1
−2

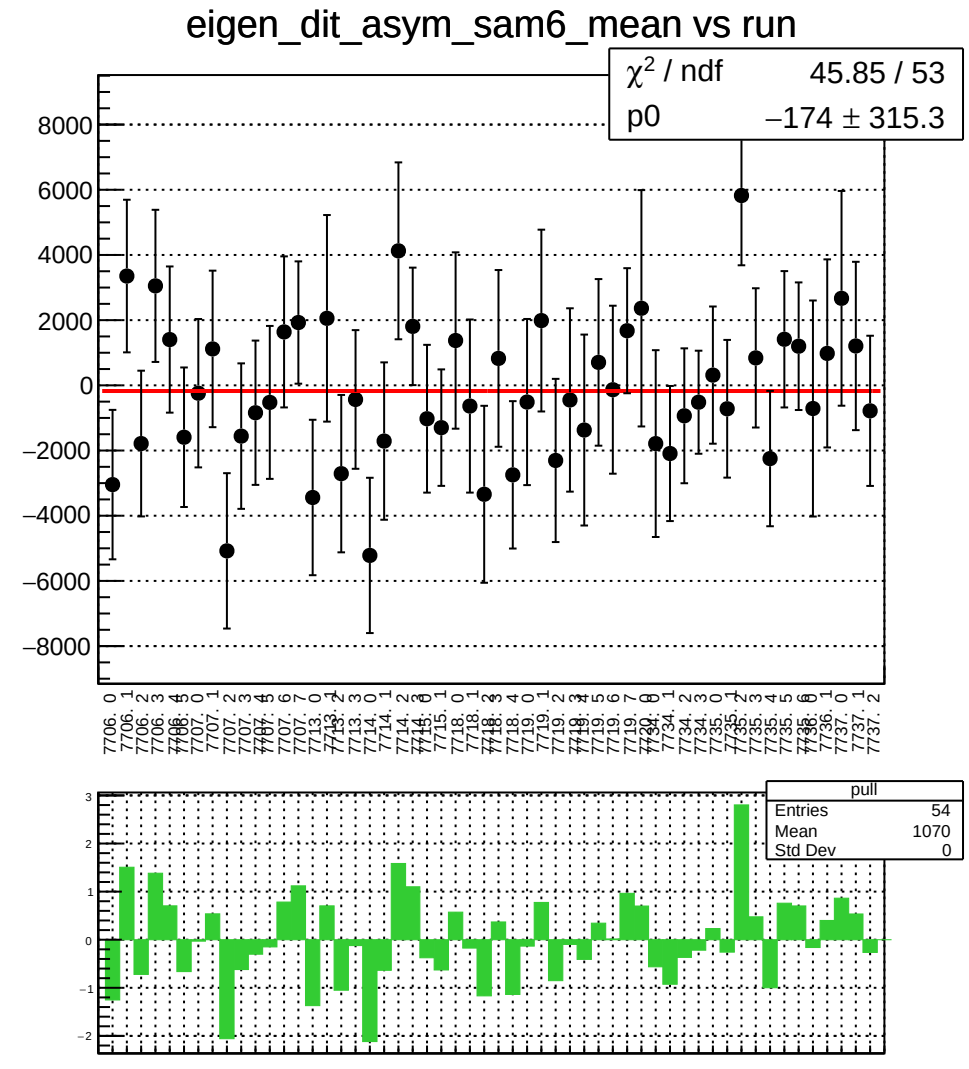

pull1D
Entries 54
Mean 0.002094
Std Dev 0.9214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

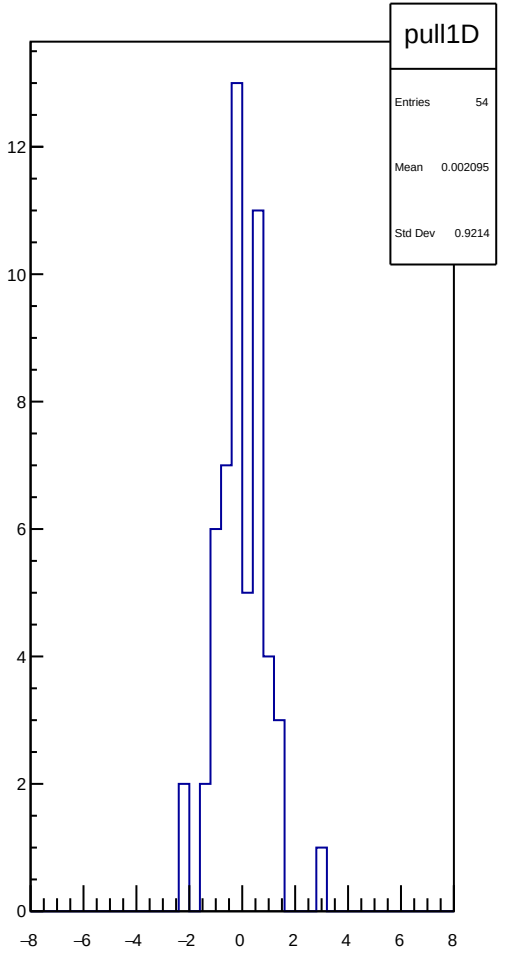

dit_asym_sam6_rms vs run
χ² / ndf 1.431e+04 / 53
p0 228.2 ± 0.2229
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

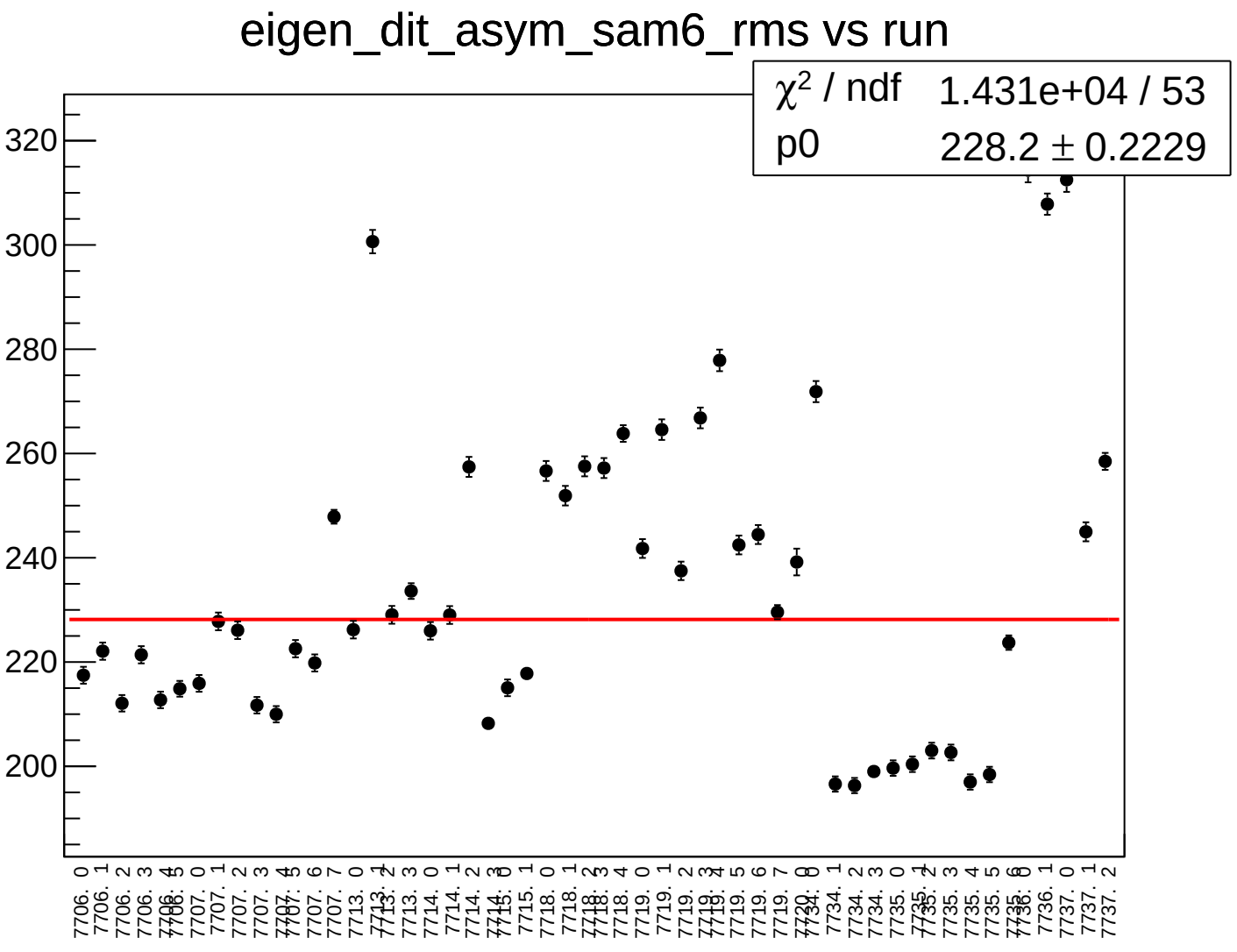

asym_sam6_dit_correction_mean vs run
χ² / ndf 39.73 / 53
p0 900 ± 2892
pull
Entries 54
Mean −110.8
Std Dev 0

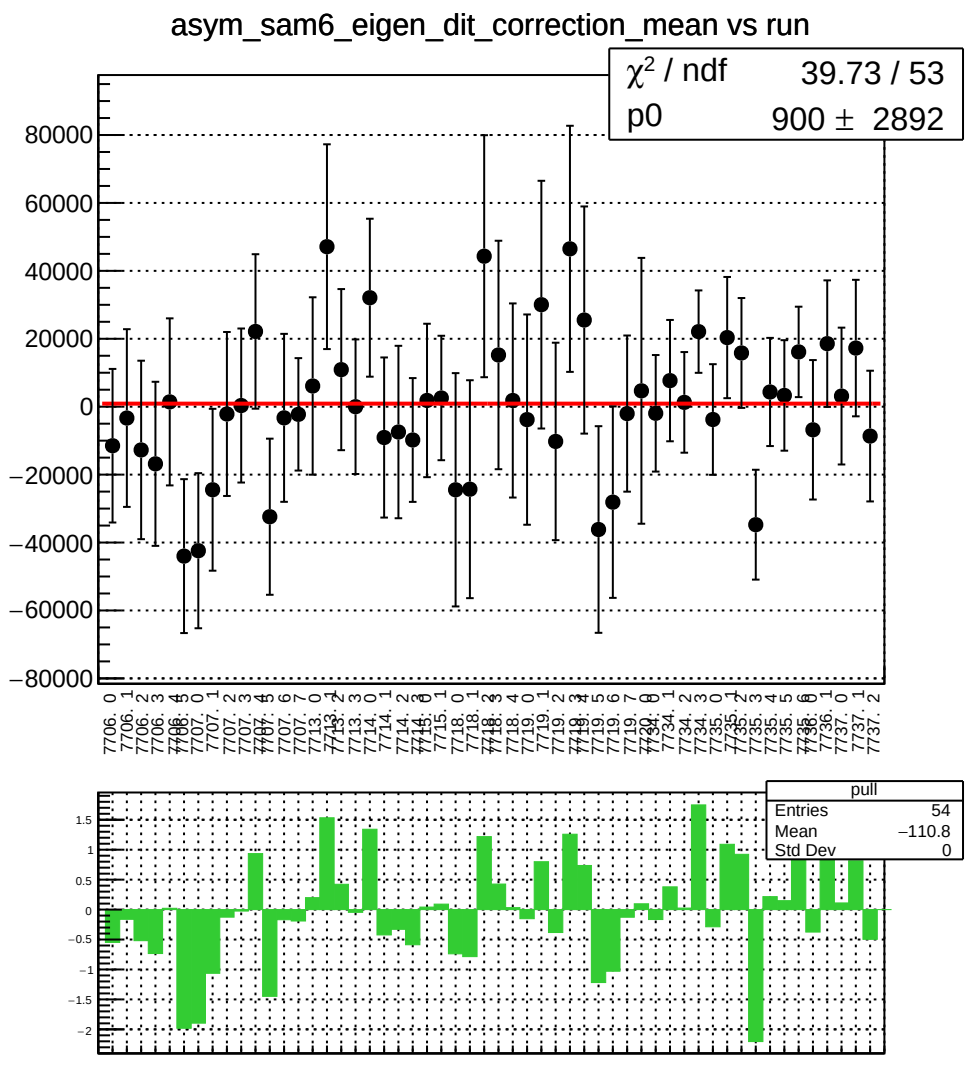

pull1D
Entries 54
Mean −0.02798
Std Dev 0.8573

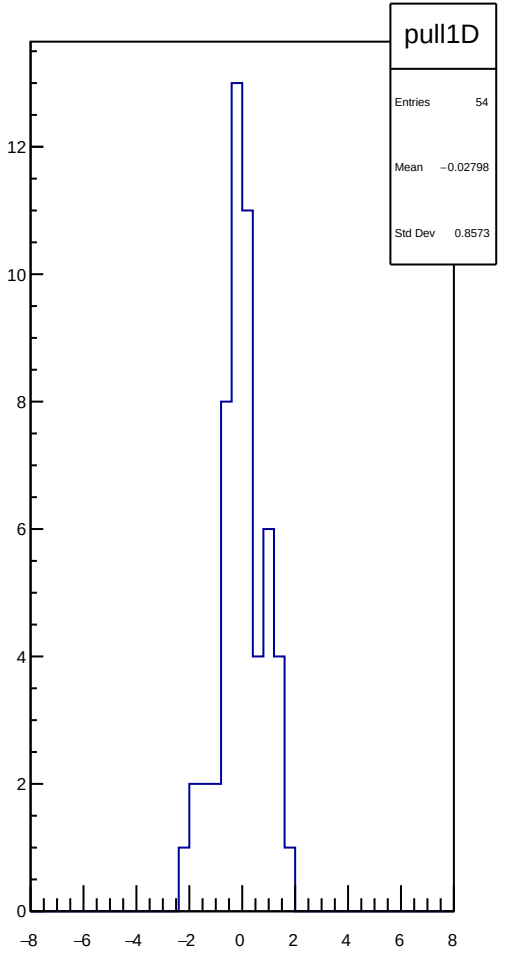

asym_sam6_dit_correction_rms vs run
χ² / ndf 5.91e+04 / 53
p0 2048 ± 2.045
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

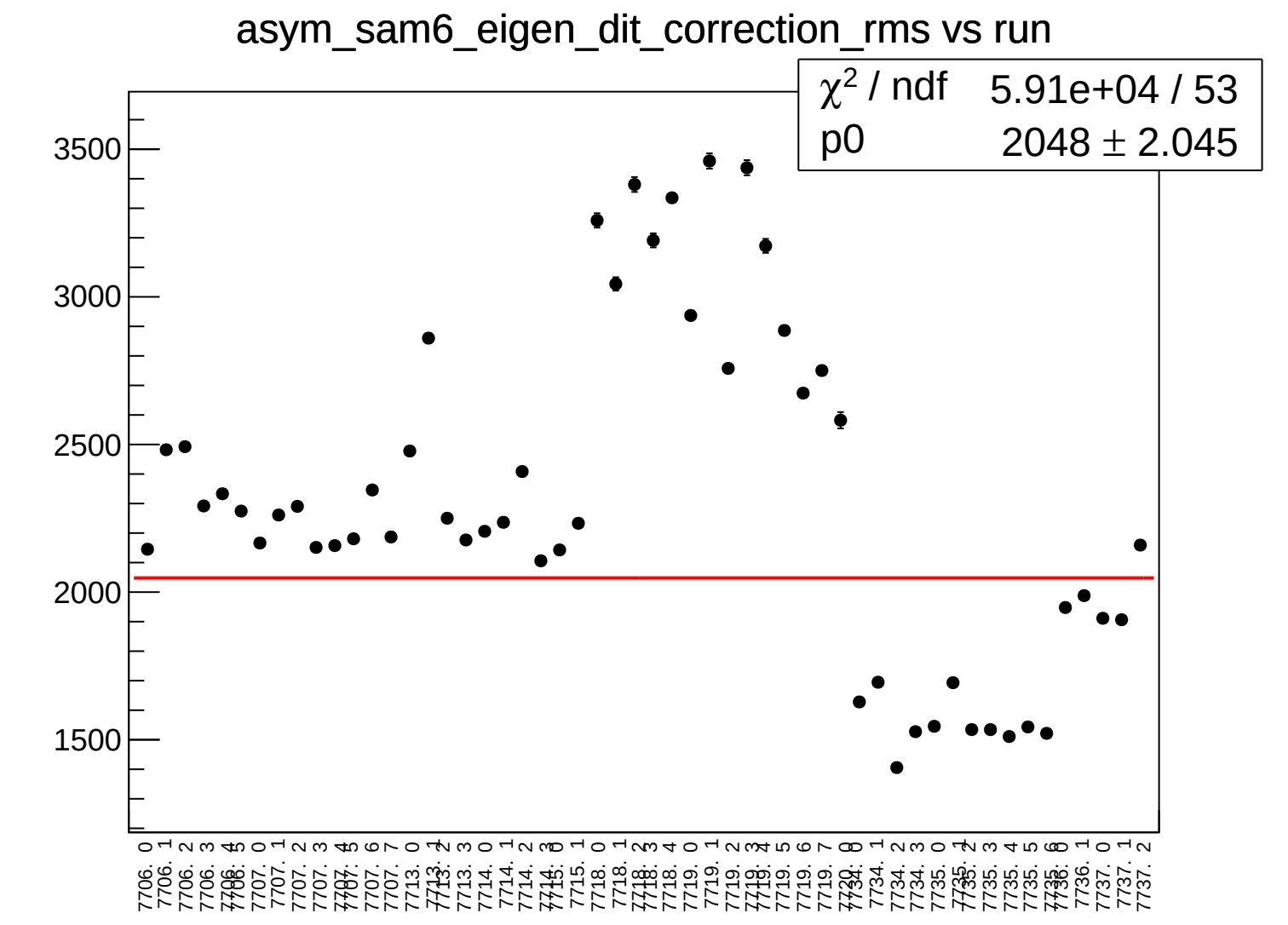

eigen_dit_asym_sam6_mean vs run
χ² / ndf 45.85 / 53
p0 −174 ± 315.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 1070
Std Dev 0
3
2
1
0
−1
−2

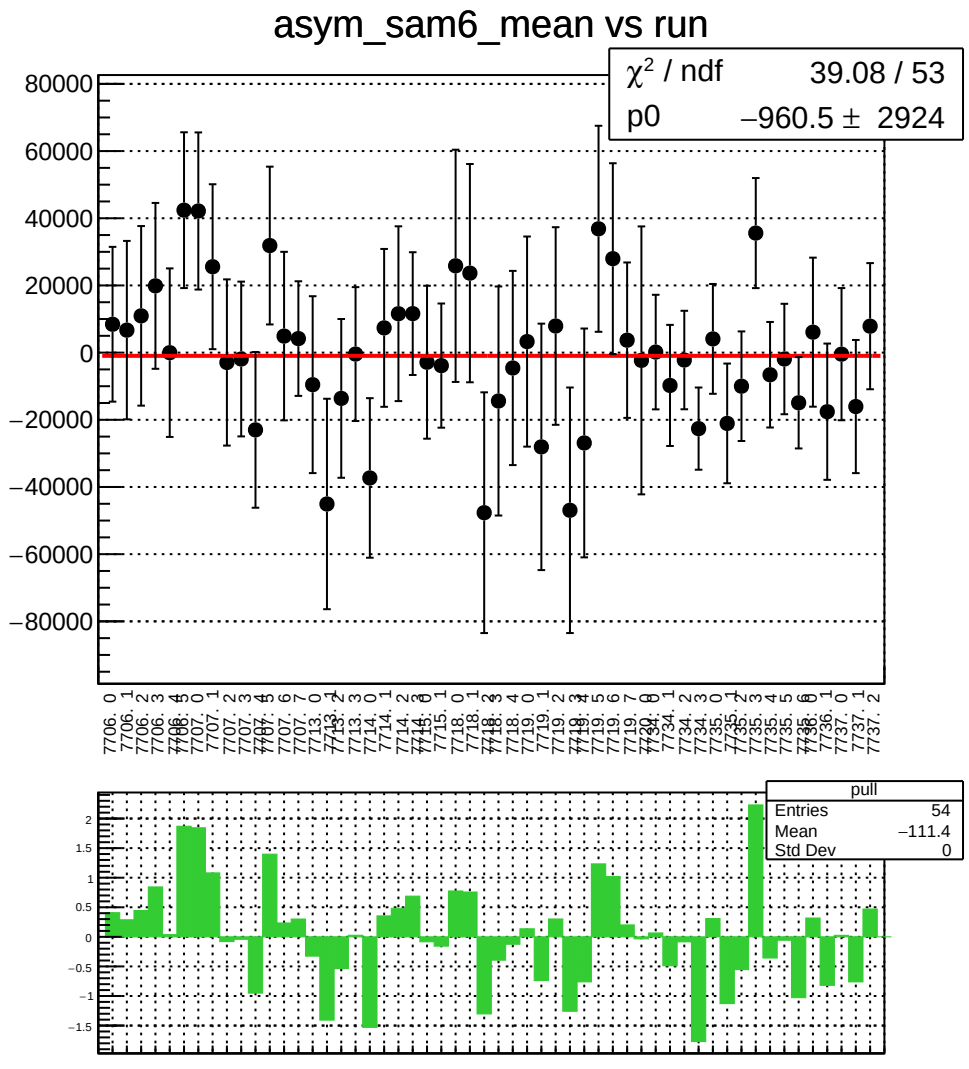

pull1D
Entries 54
Mean 0.002095
Std Dev 0.9214
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

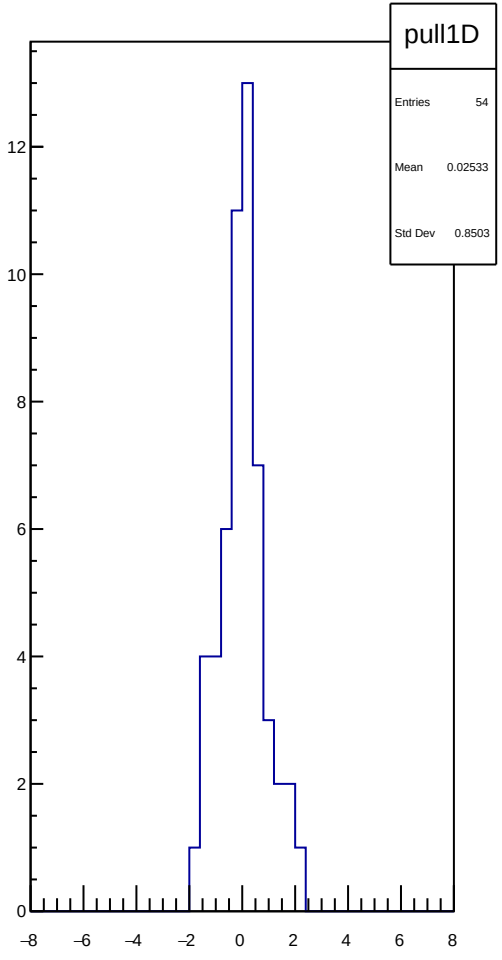

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 1.431e+04 / 53
p0 228.2 ± 0.2229
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

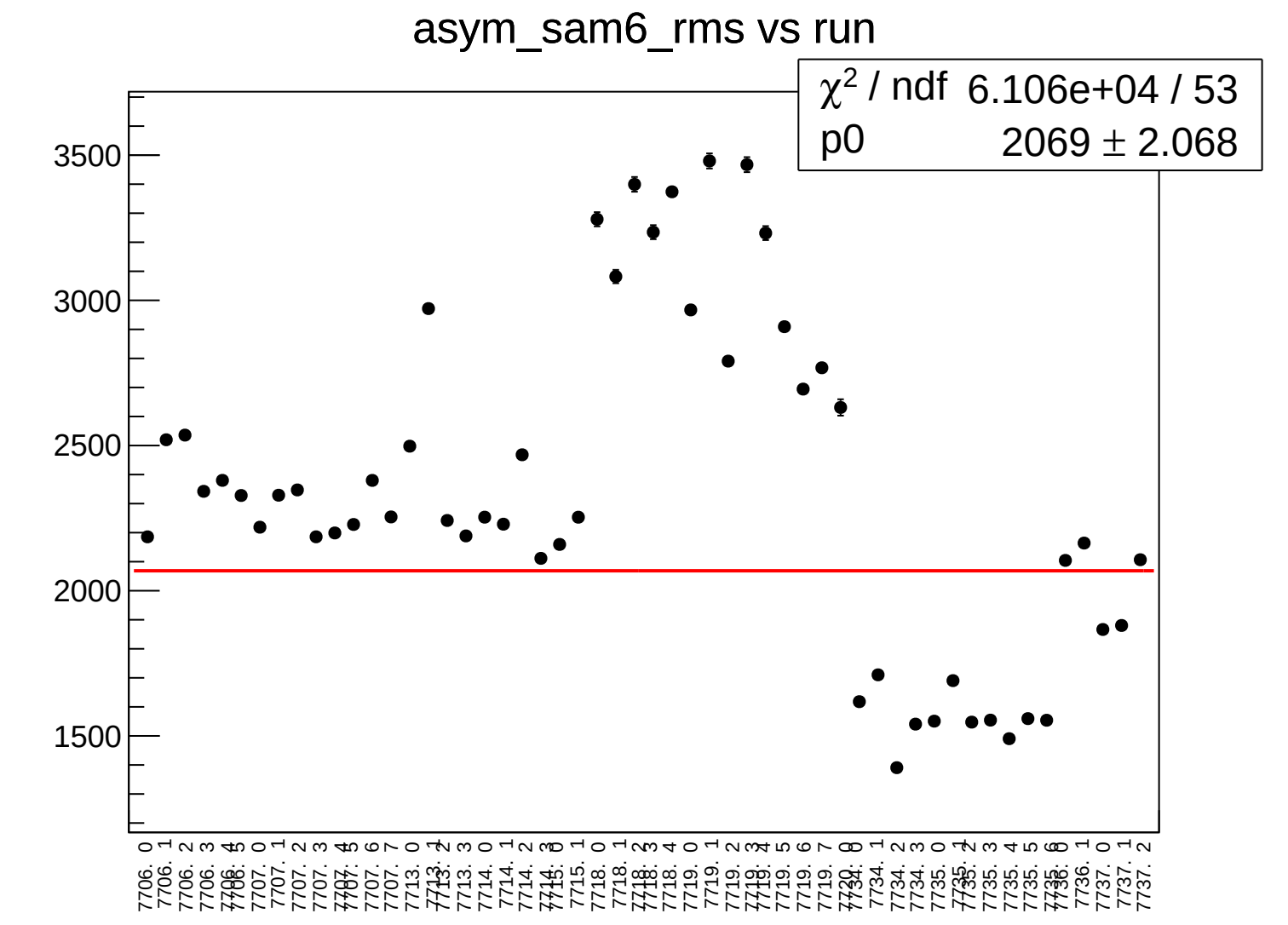

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 39.73 / 53
p0 900 ± 2892
pull
Entries 54
Mean −110.8
Std Dev 0

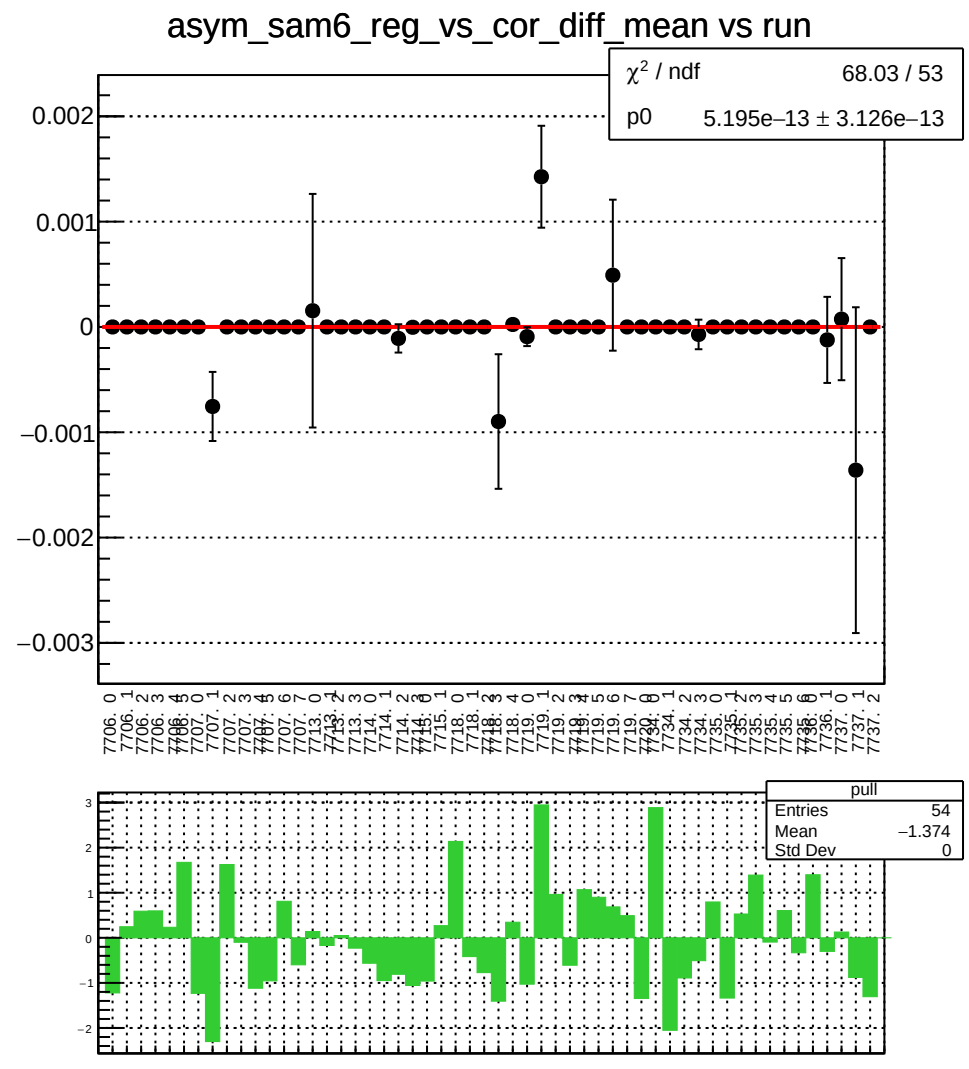

pull1D
Entries 54
Mean −0.02798
Std Dev 0.8573

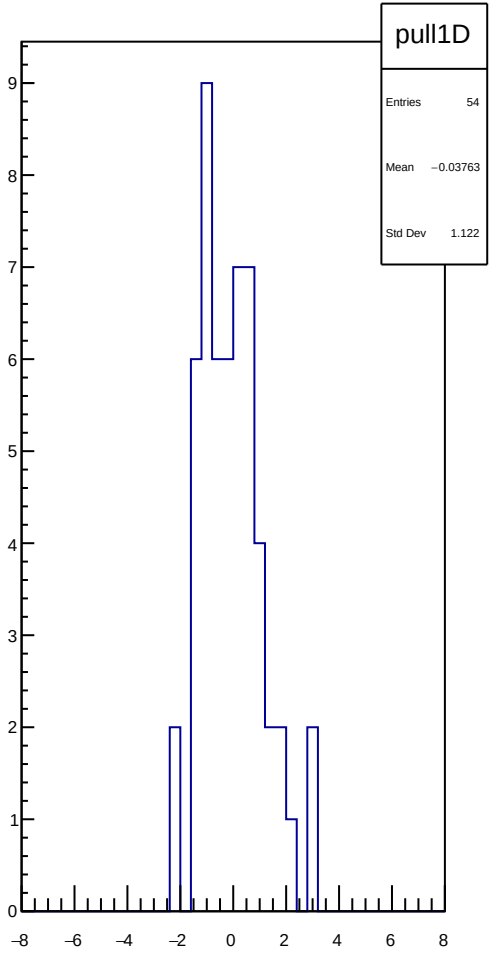

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 5.91e+04 / 53
p0 2048 ± 2.045
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

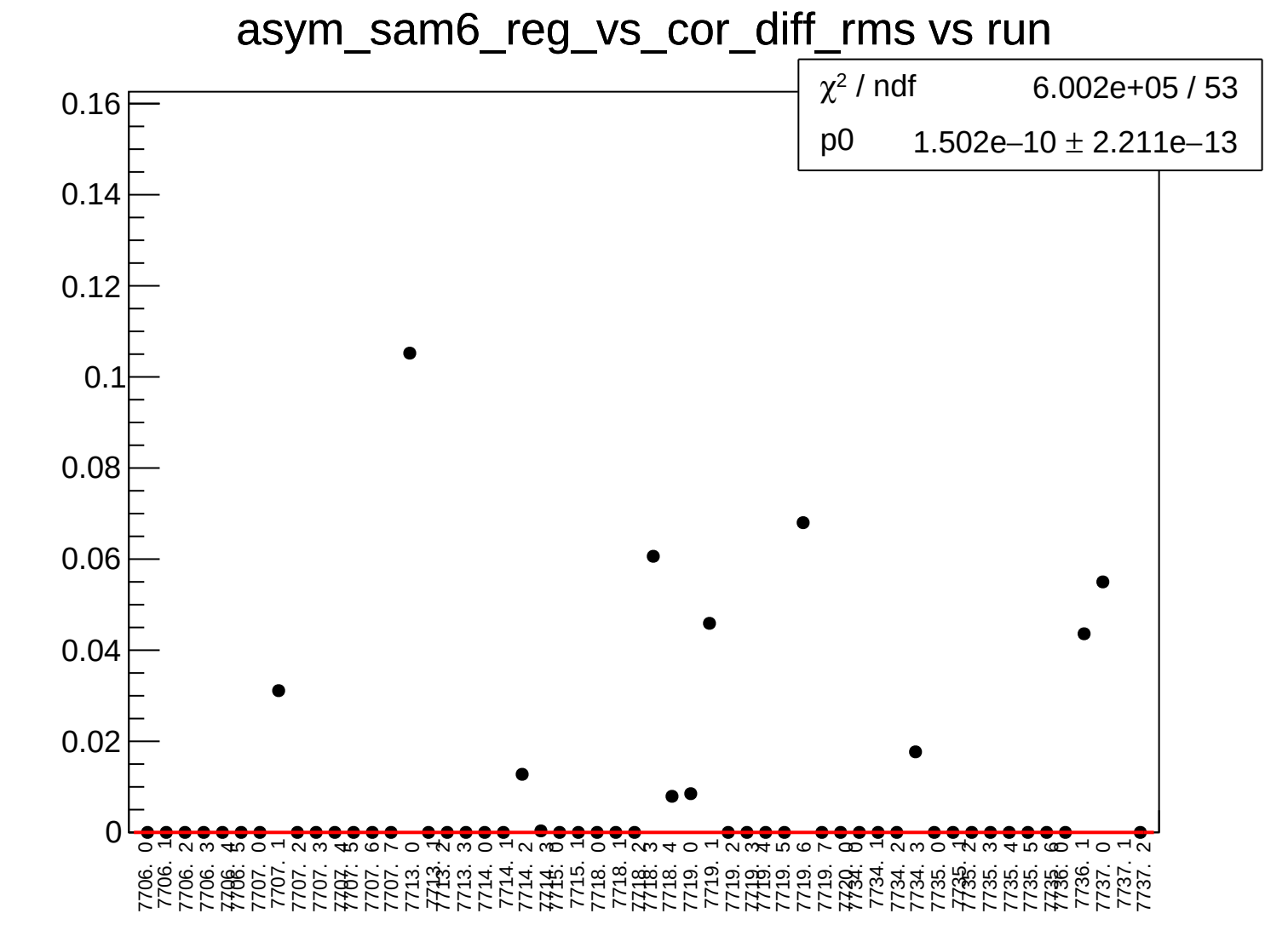

asym_sam6_mean vs run
χ² / ndf 39.08 / 53
p0 −960.5 ± 2924
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −111.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

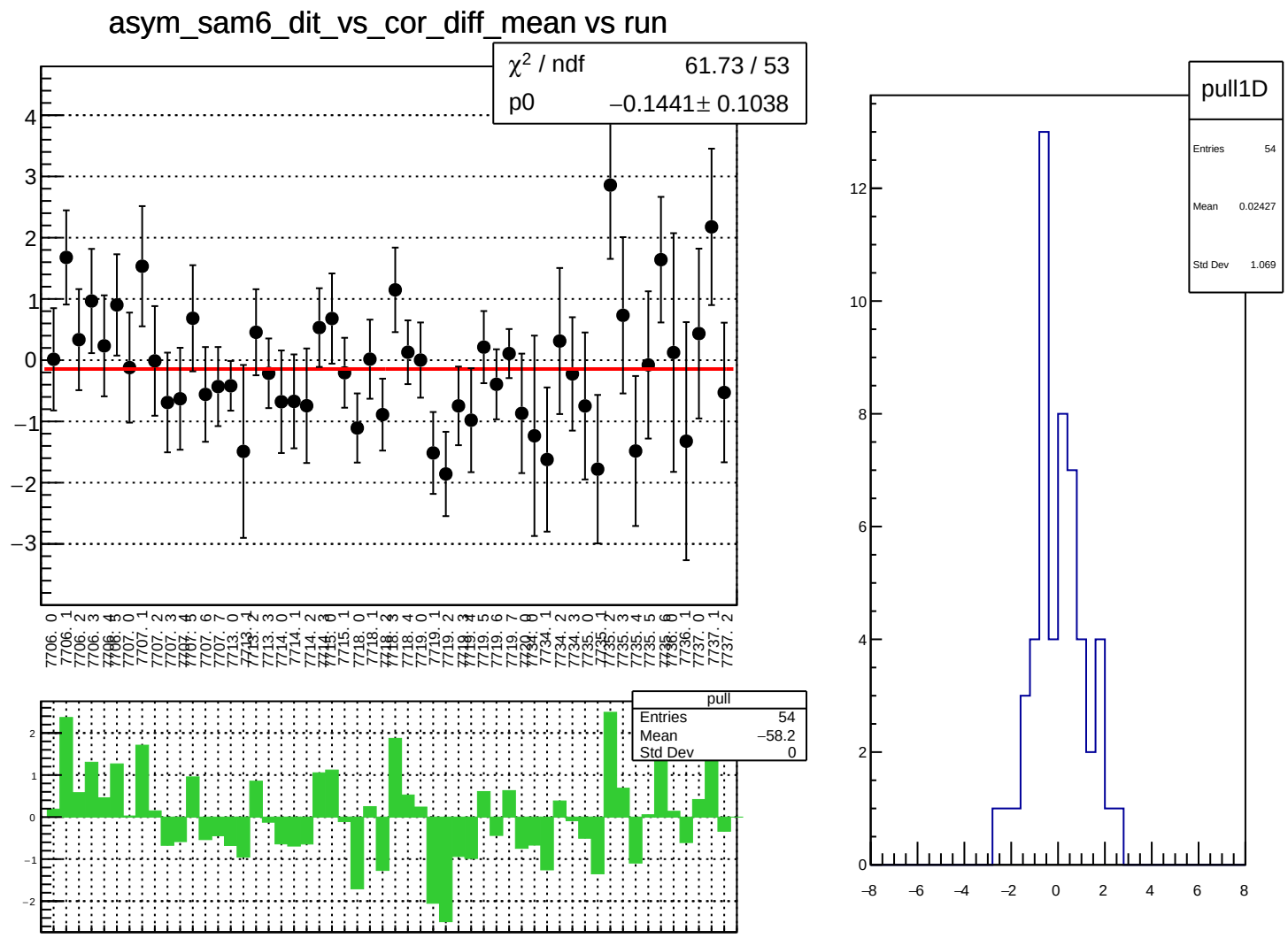

pull1D
Entries 54
Mean 0.02533
Std Dev 0.8503
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

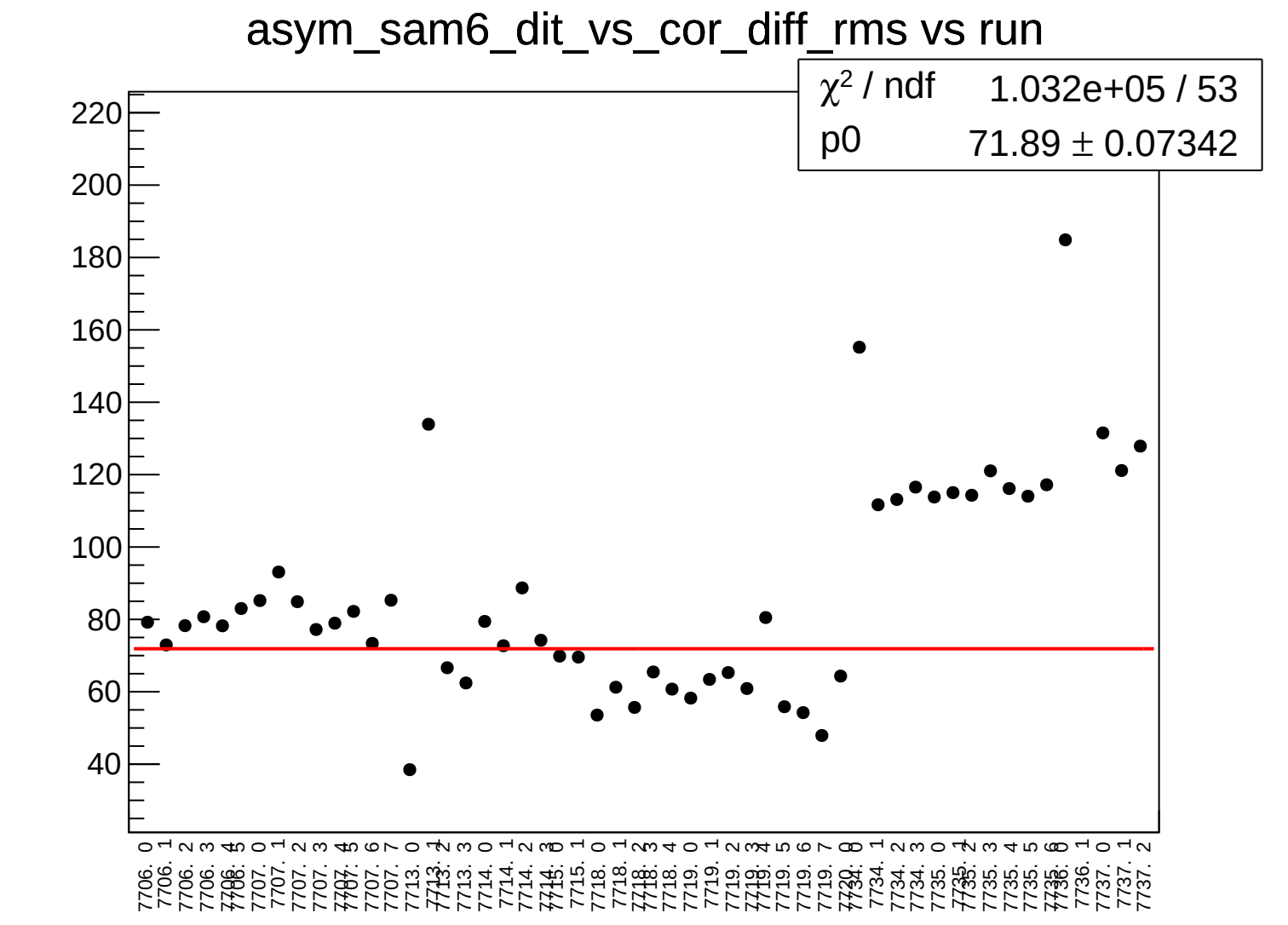

asym_sam6_rms vs run
χ² / ndf 6.106e+04 / 53
p0 2069 ± 2.068
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

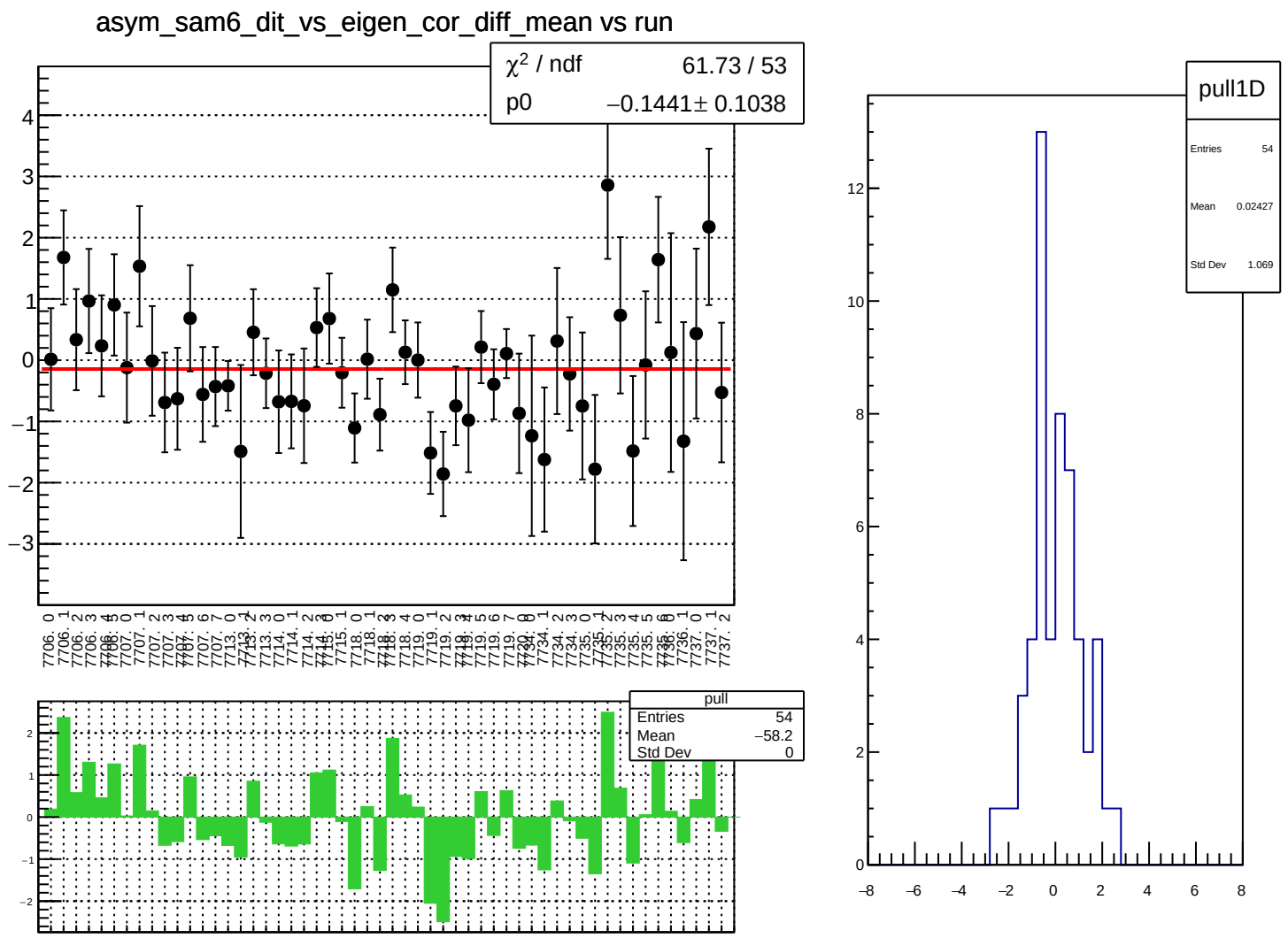

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 68.03 / 53
p0 5.195e−13 ± 3.126e−13
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 54
Mean −1.374
Std Dev 0

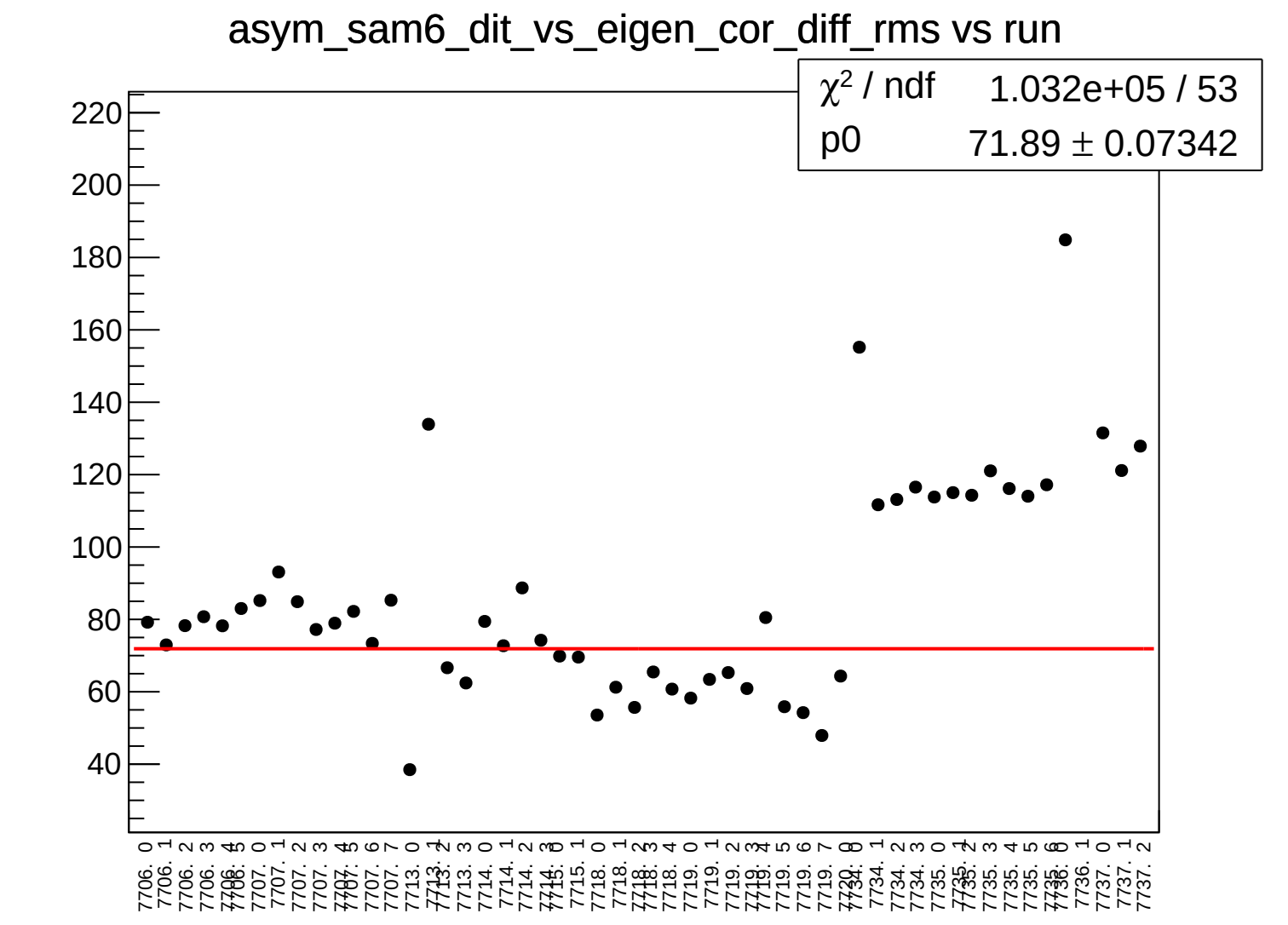

pull1D
Entries 54
Mean −0.03763
Std Dev 1.122

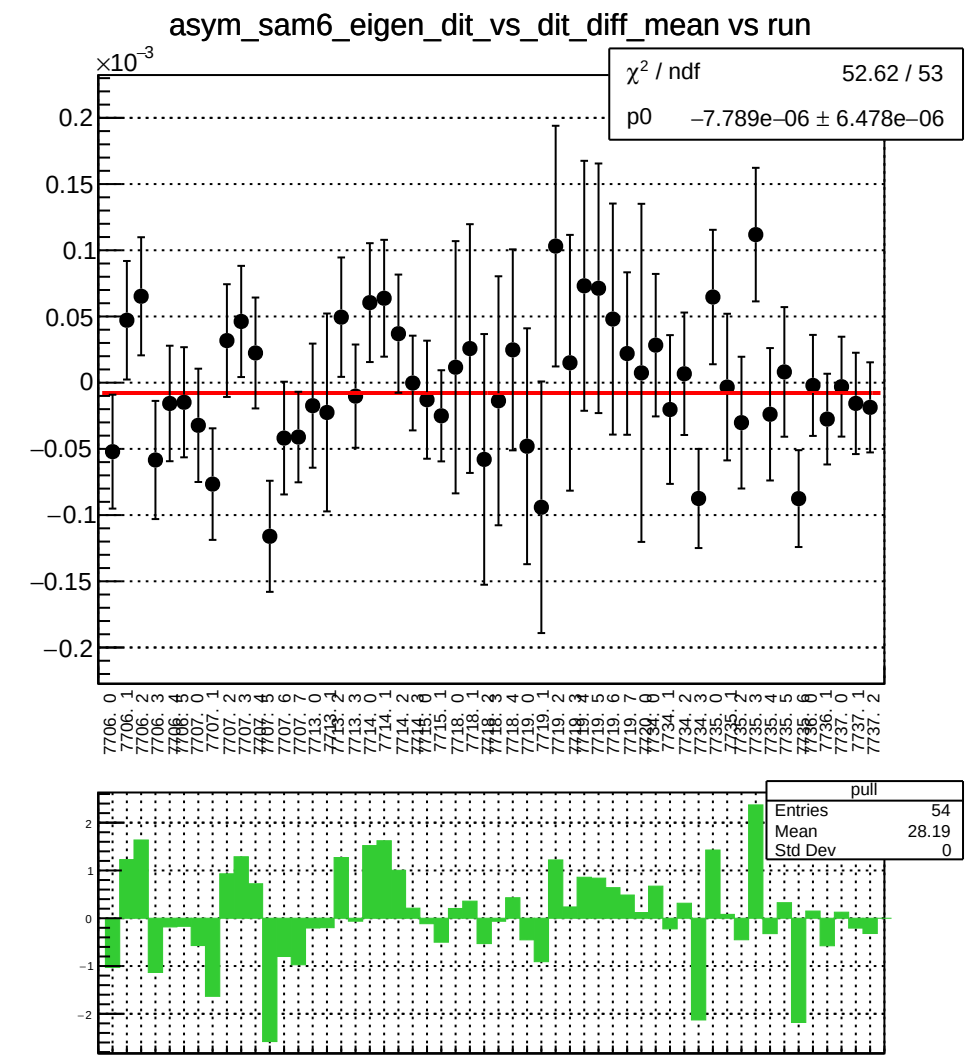

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 6.002e+05 / 53
p0 1.502e−10 ± 2.211e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

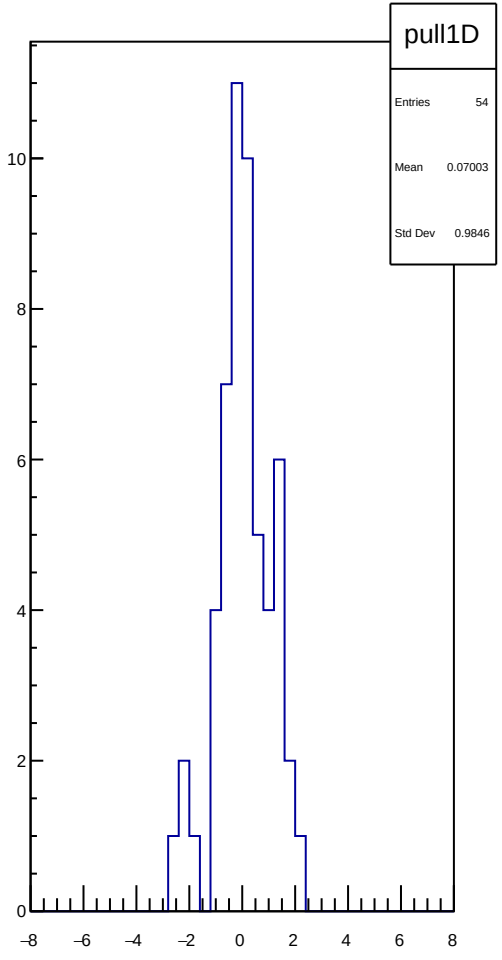

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 61.73 / 53
p0 −0.1441± 0.1038
pull
Entries 54
Mean −58.2
Std Dev 0
pull1D
Entries 54
Mean 0.02427
Std Dev 1.069

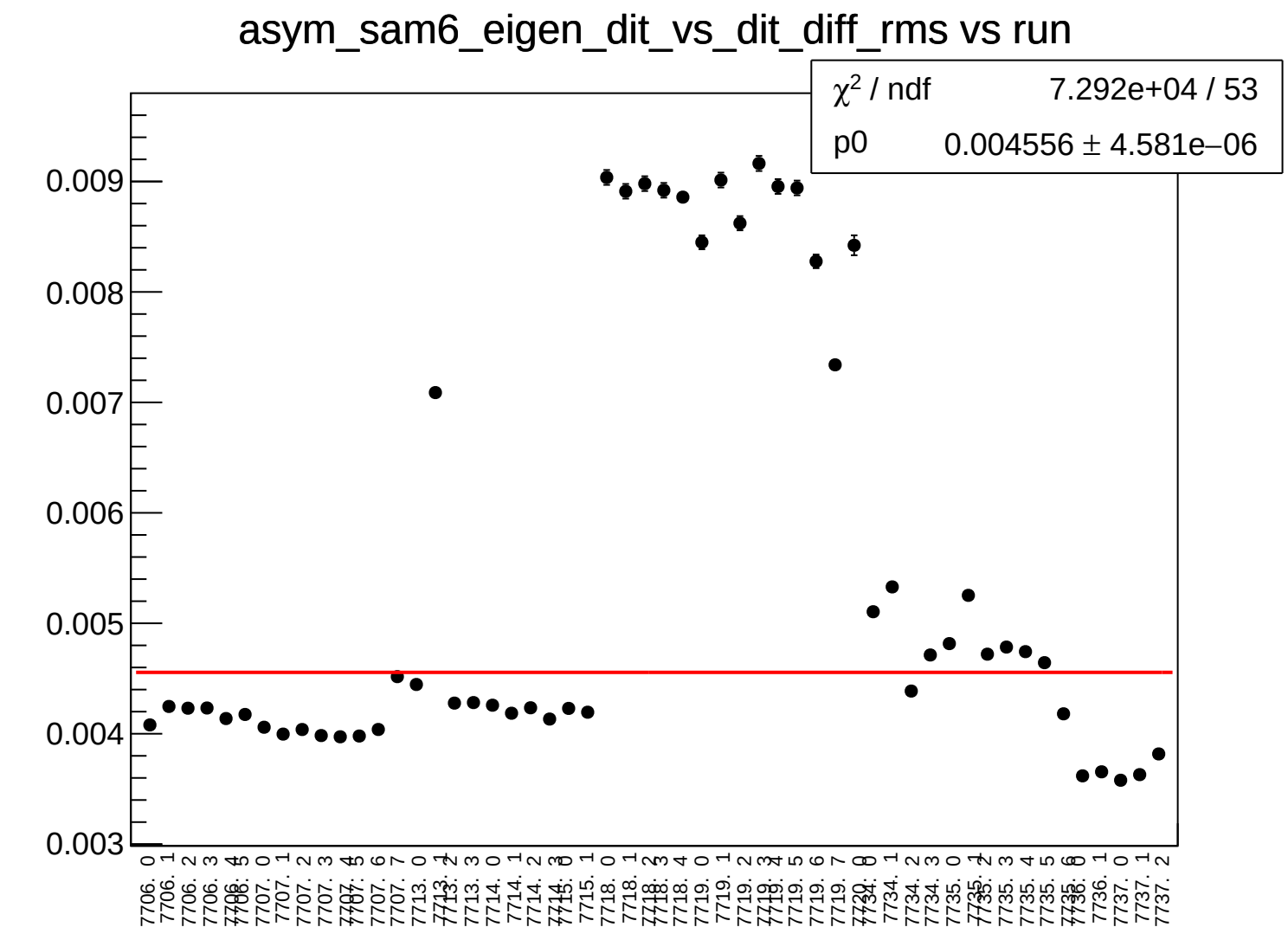

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 71.89 ± 0.07342
220
200
180
160
140
120
100
80
60
40

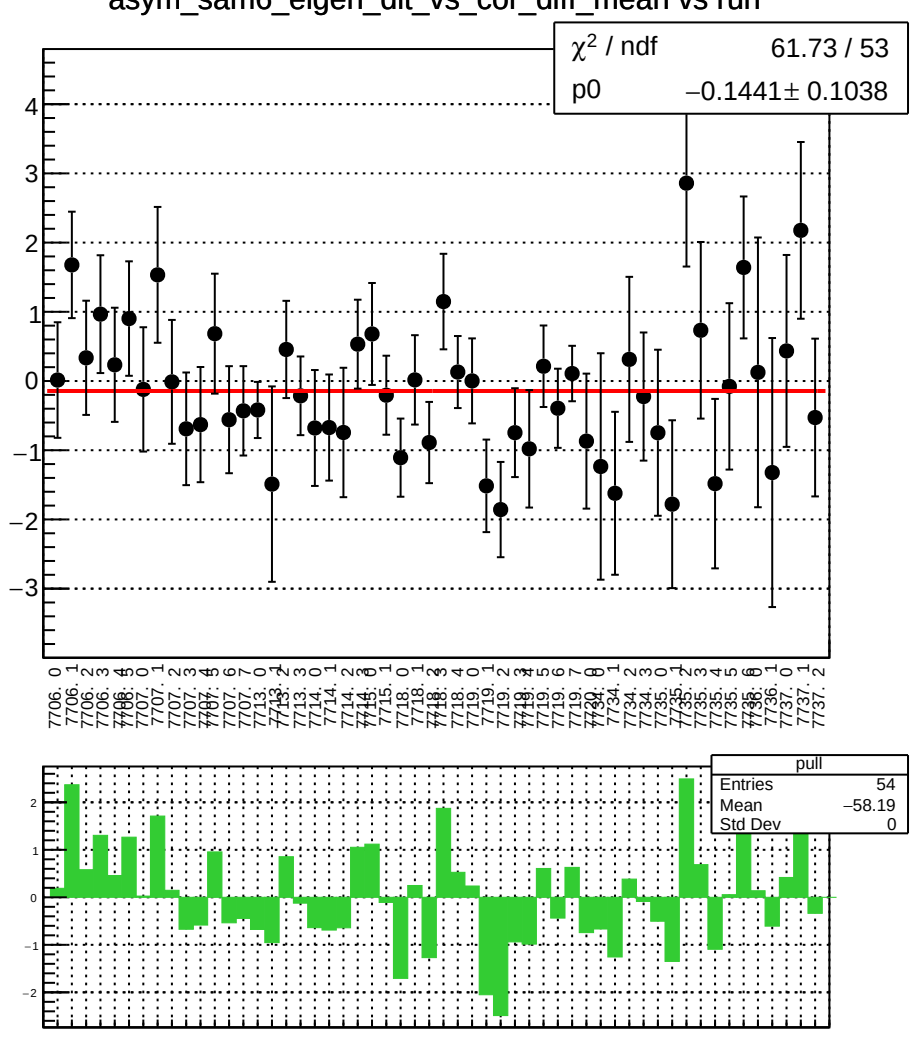

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.73 / 53
p0 −0.1441± 0.1038
pull
Entries 54
Mean −58.2
Std Dev 0
pull1D
Entries 54
Mean 0.02427
Std Dev 1.069

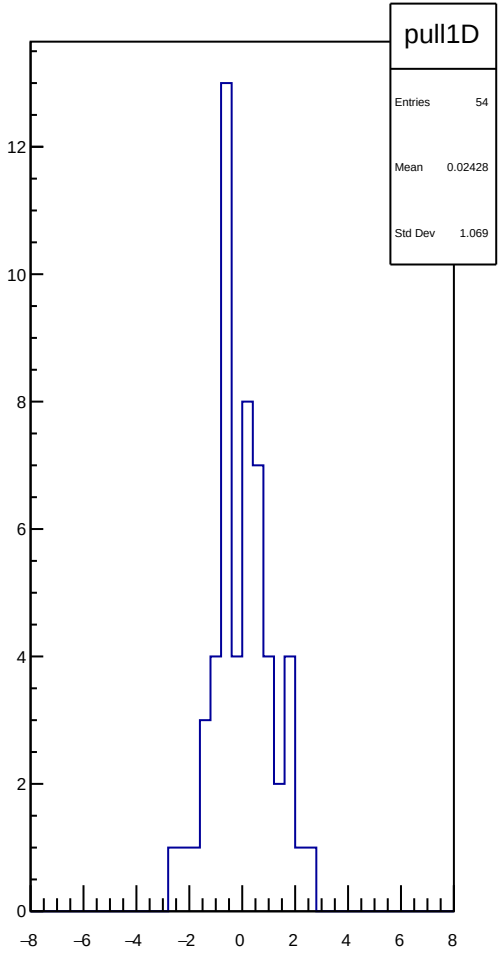

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 71.89 ± 0.07342
220
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

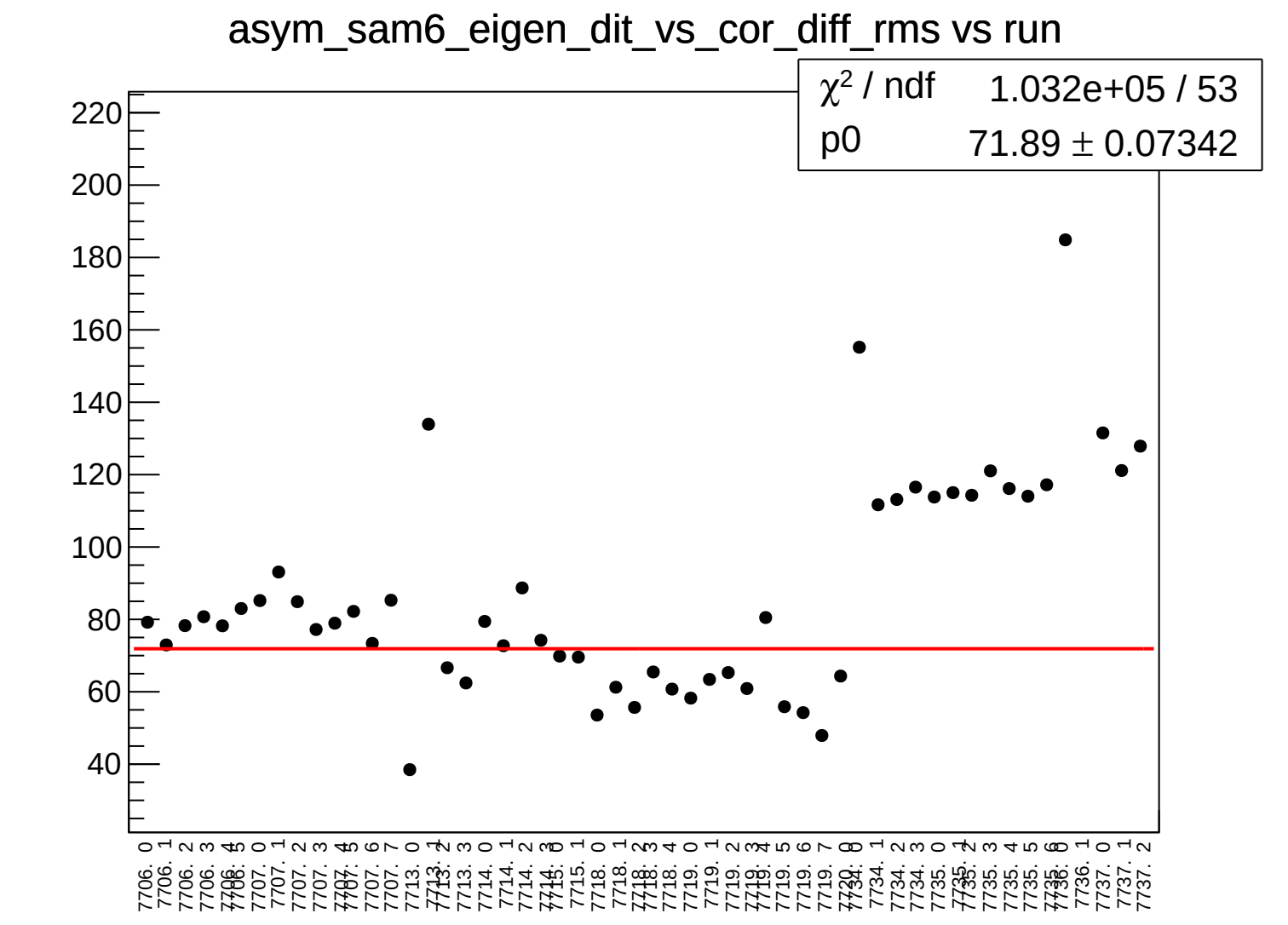

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.62 / 53
p0 −7.789e−06 ± 6.478e−06
pull
Entries 54
Mean 28.19
Std Dev 0

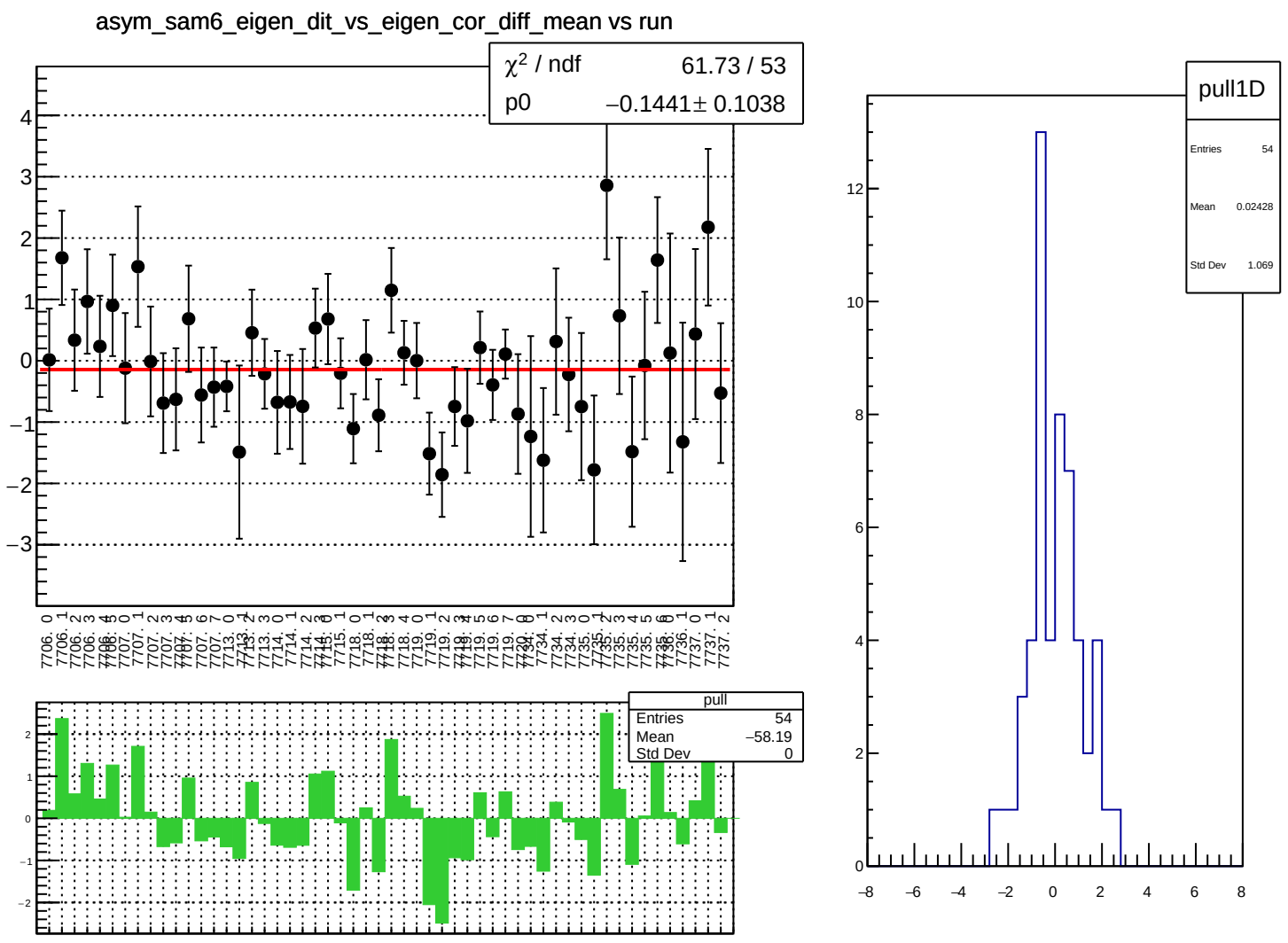

pull1D
Entries 54
Mean 0.07003
Std Dev 0.9846

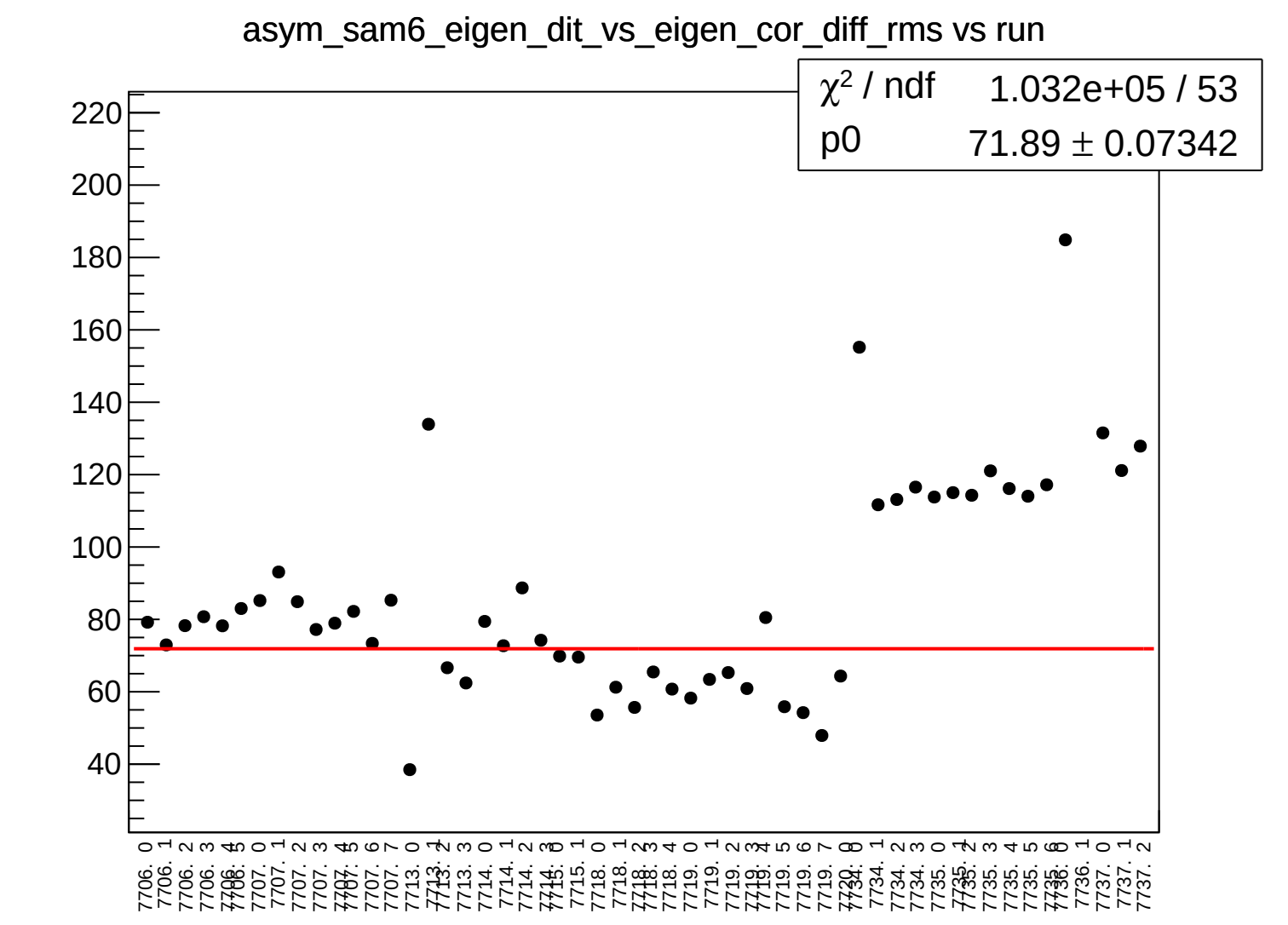

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.292e+04 / 53
p0 0.004556 ± 4.581e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

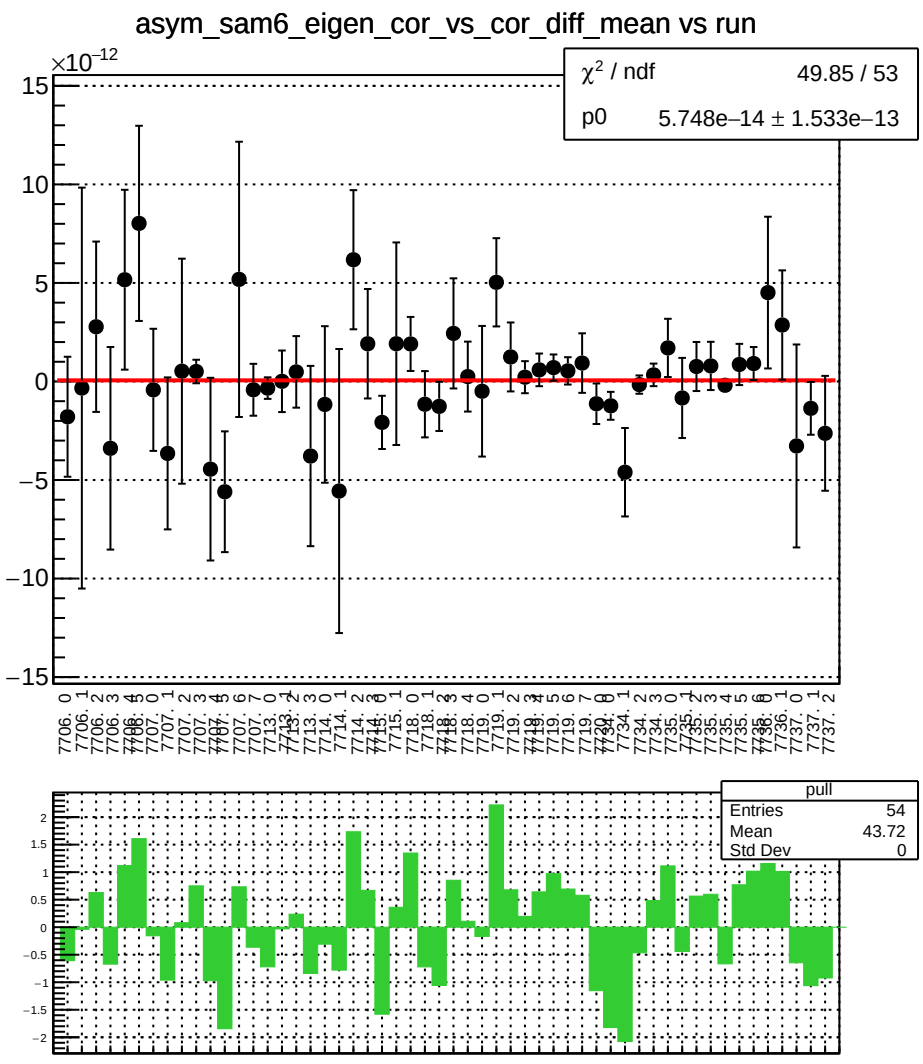

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.73 / 53
p0 −0.1441± 0.1038
pull
Entries 54
Mean −58.19
Std Dev 0

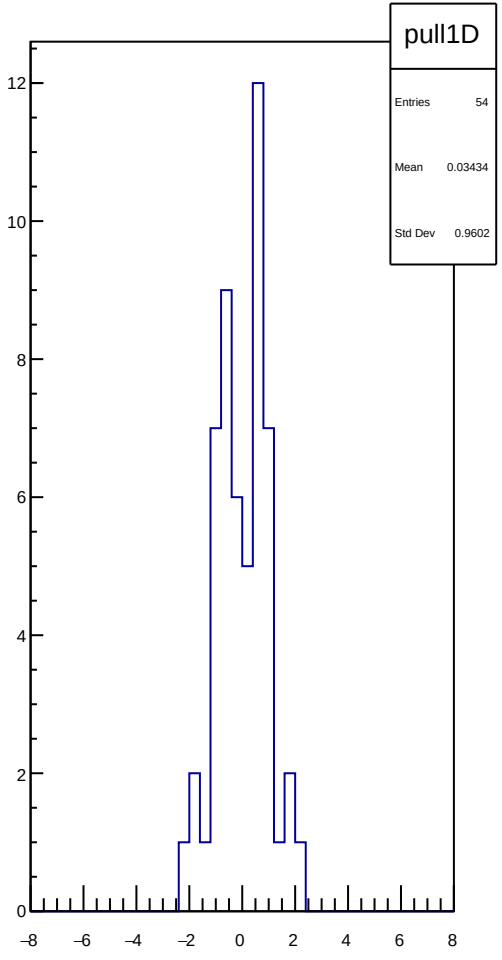

pull1D
Entries 54
Mean 0.02428
Std Dev 1.069

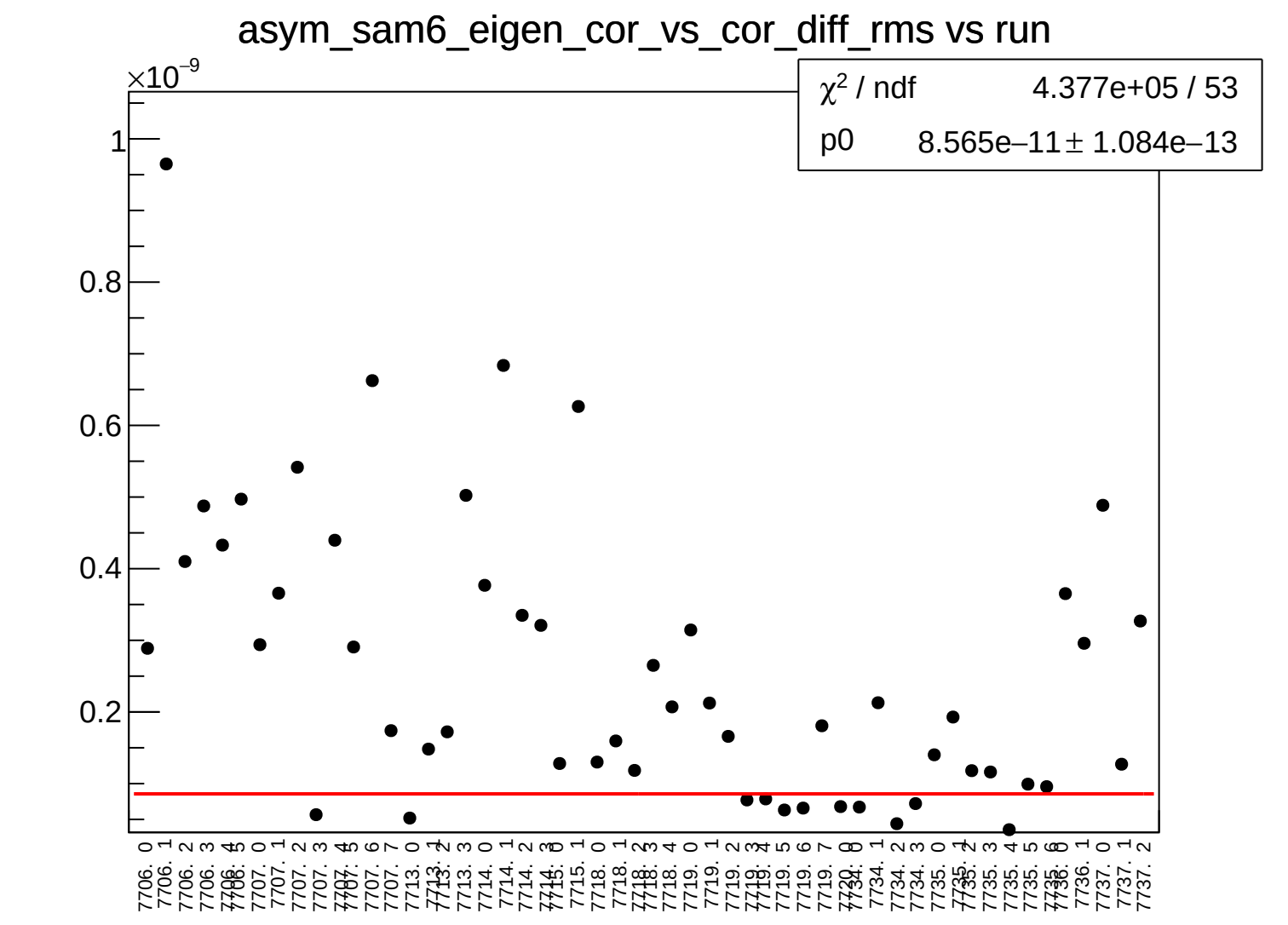

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 71.89 ± 0.07342
220
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

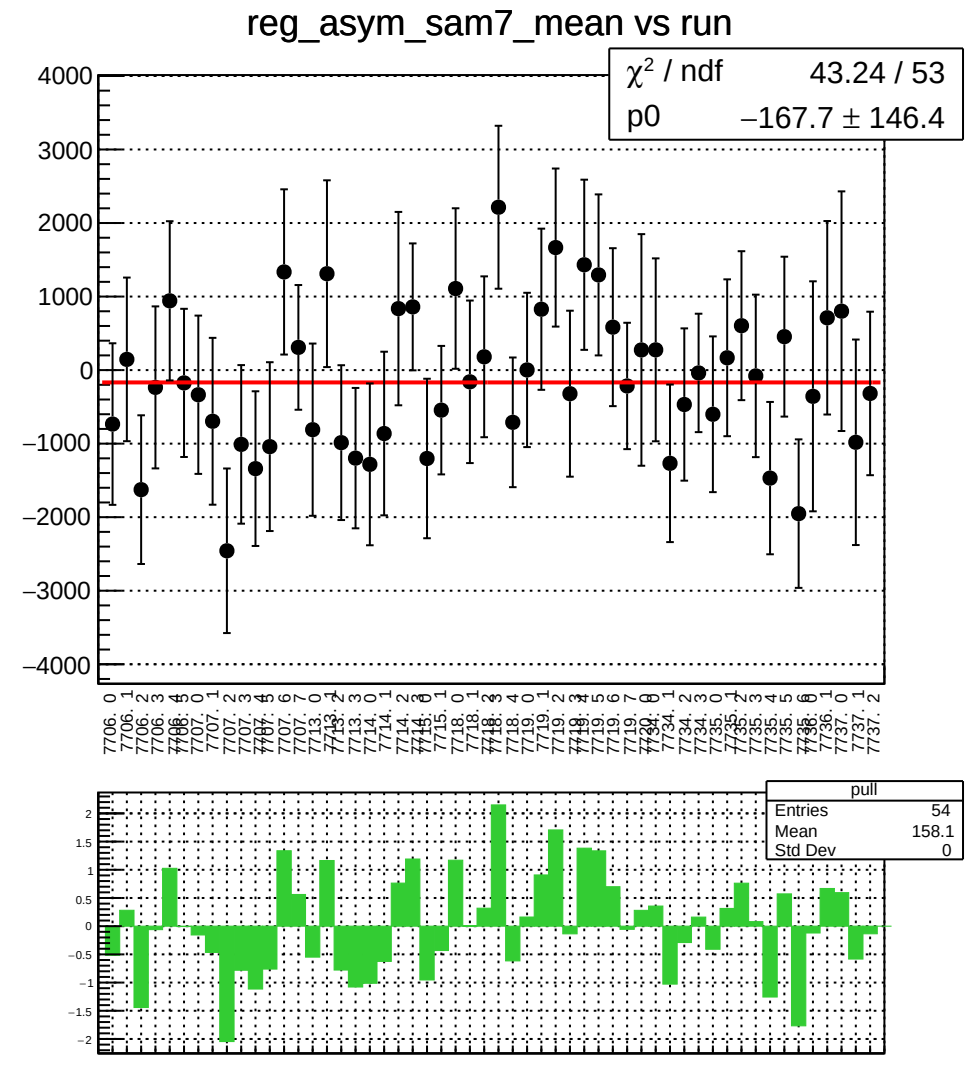

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.73 / 53
p0 −0.1441± 0.1038
pull
Entries 54
Mean −58.19
Std Dev 0
pull1D
Entries 54
Mean 0.02428
Std Dev 1.069

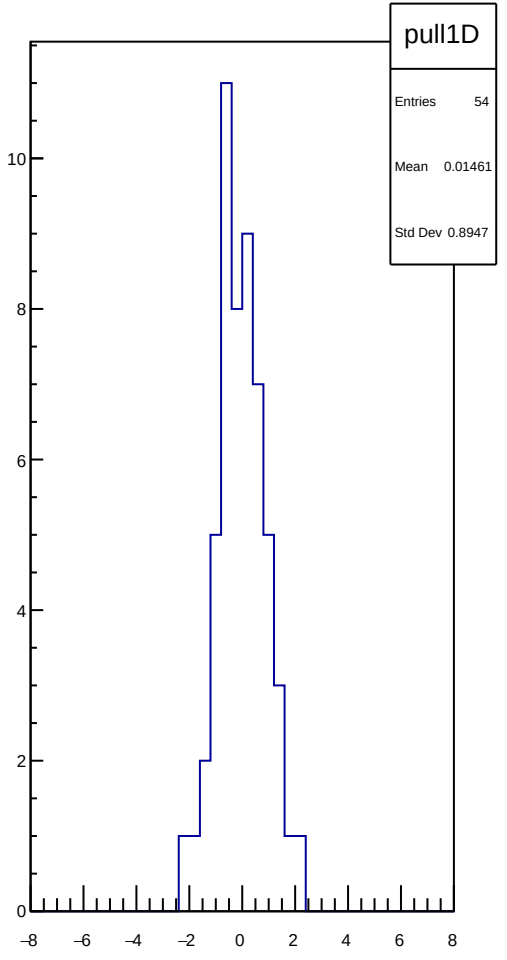

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.032e+05 / 53
p0 71.89 ± 0.07342
220
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

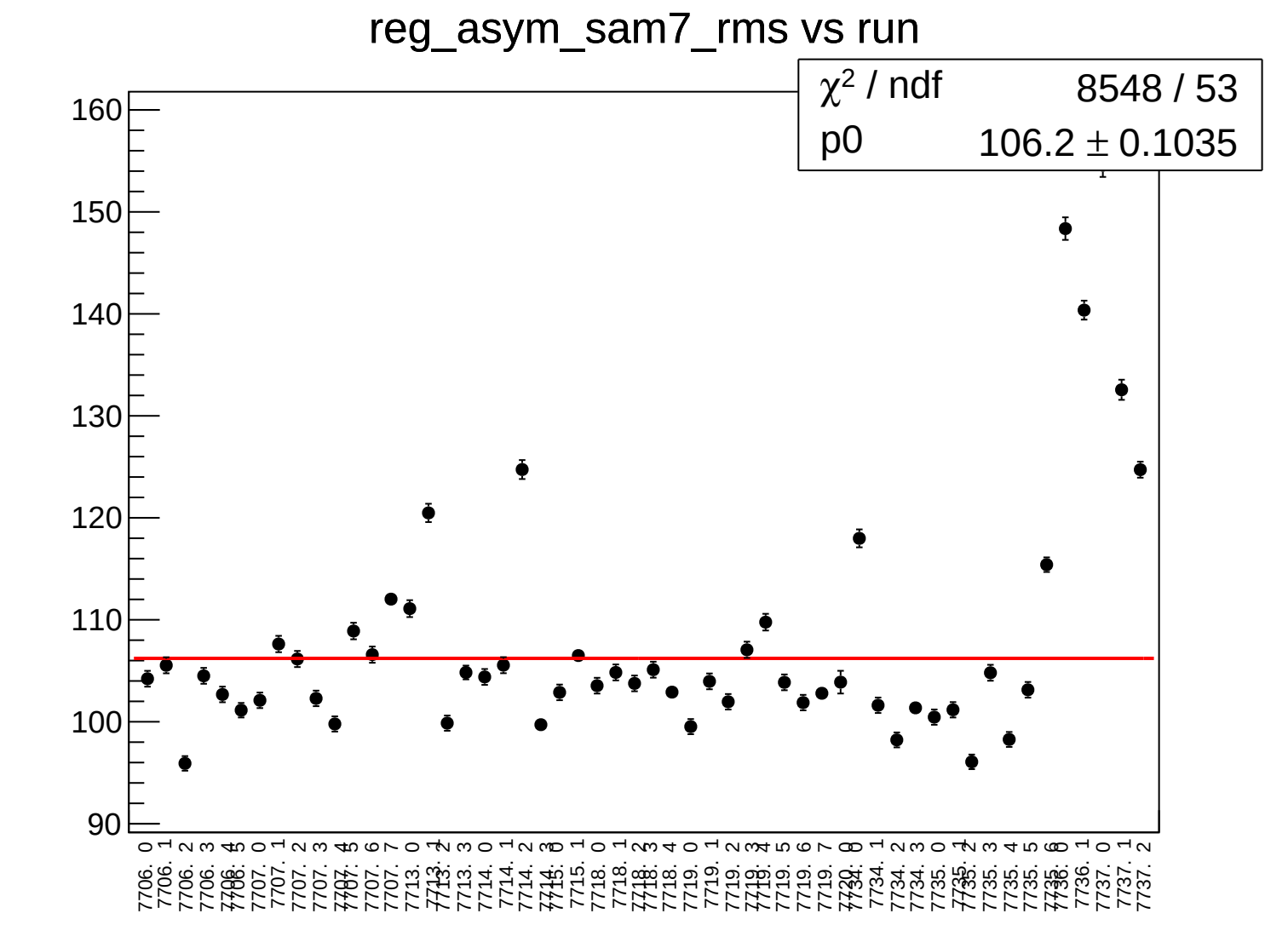

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.85 / 53
p0 5.748e−14 ± 1.533e−13
pull
Entries 54
Mean 43.72
Std Dev 0

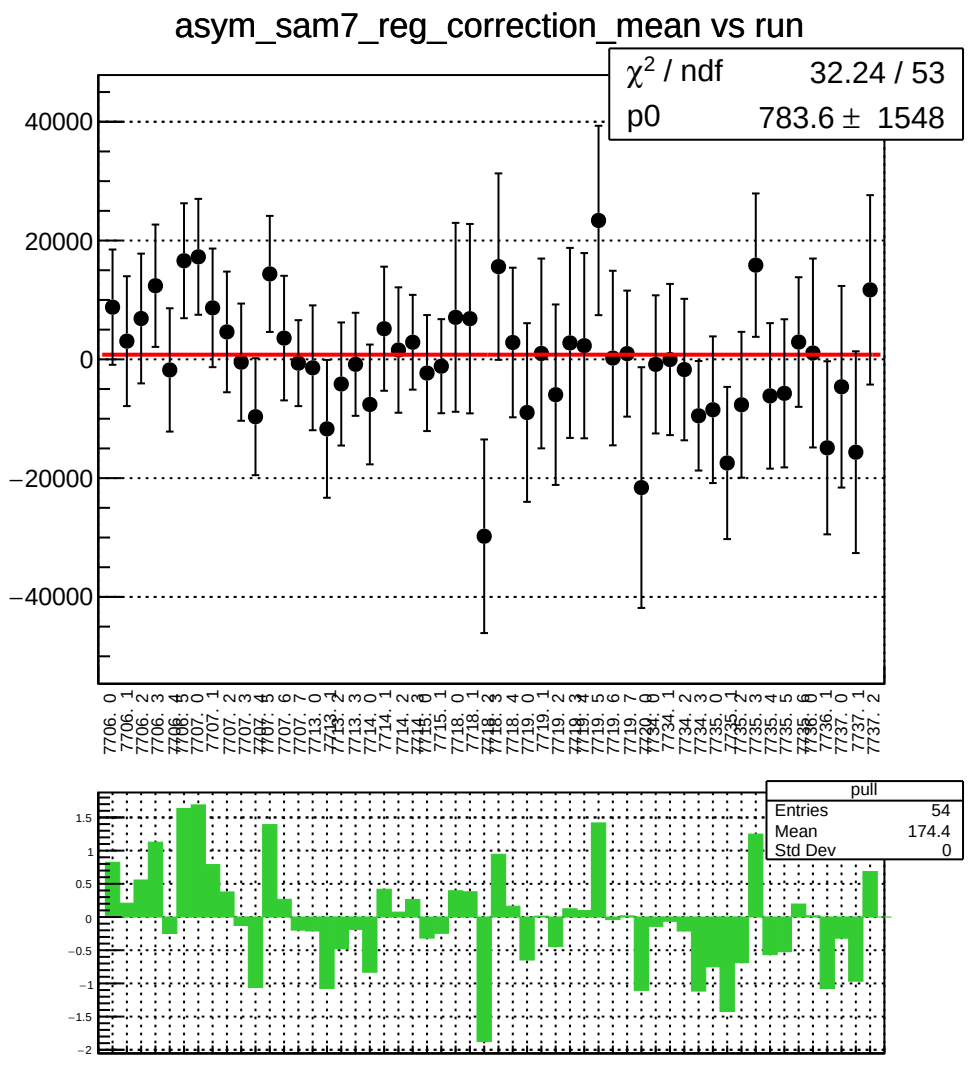

pull1D
Entries 54
Mean 0.03434
Std Dev 0.9602

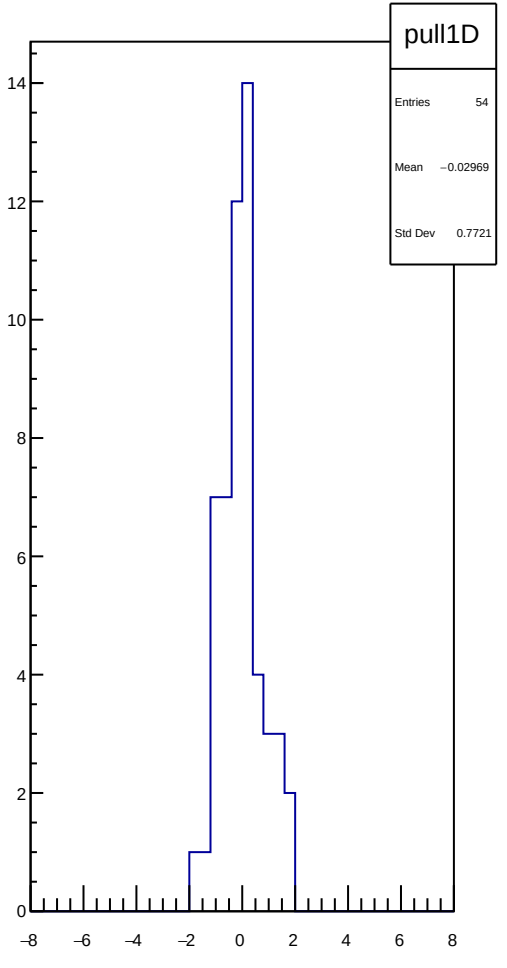

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.377e+05 / 53
p0 8.565e−11 ± 1.084e−13
1
0.8
0.6
0.4
0.2

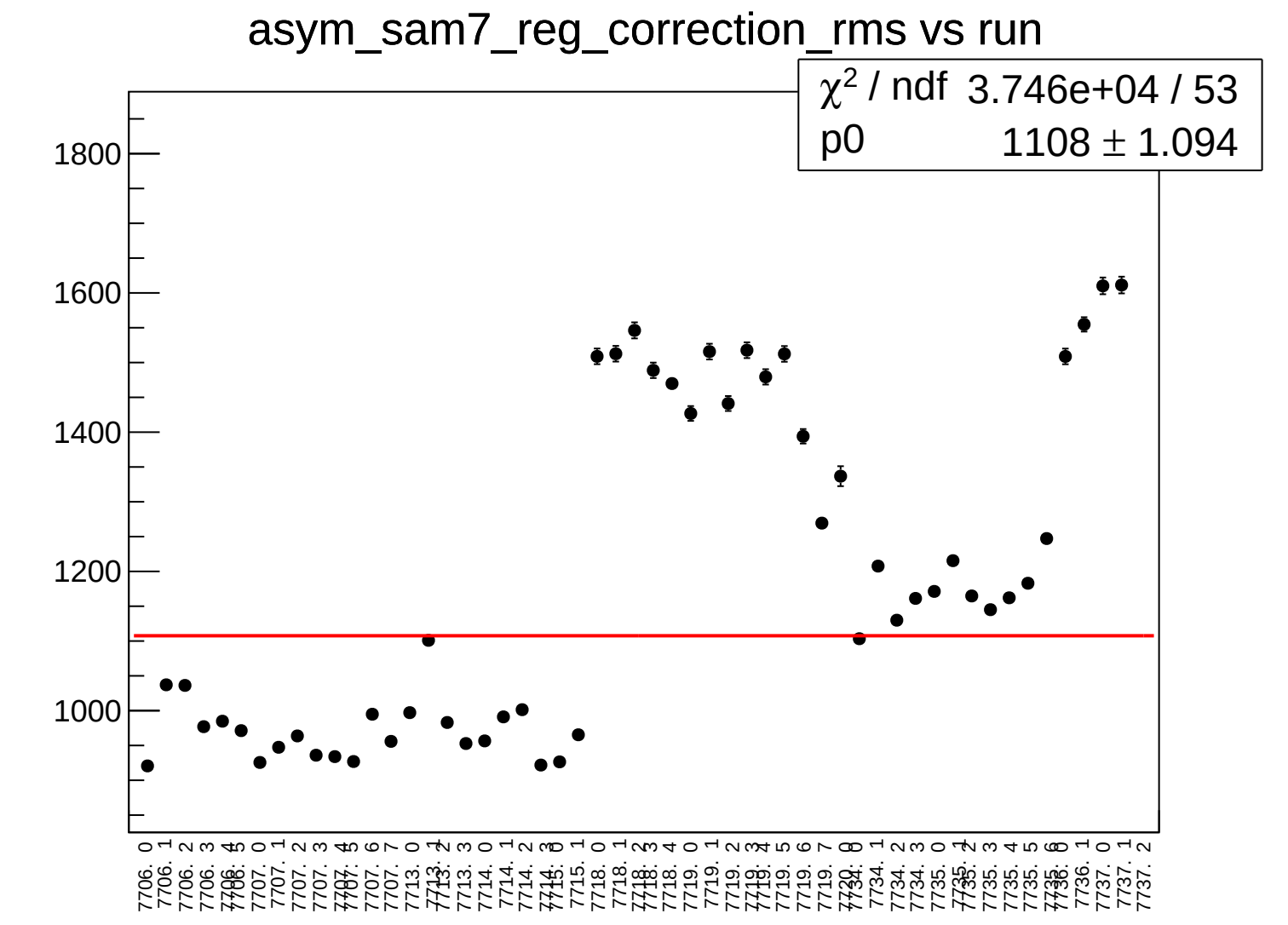

reg_asym_sam7_mean vs run
χ² / ndf 43.24 / 53
p0 −167.7 ± 146.4
pull
Entries 54
Mean 158.1
Std Dev 0

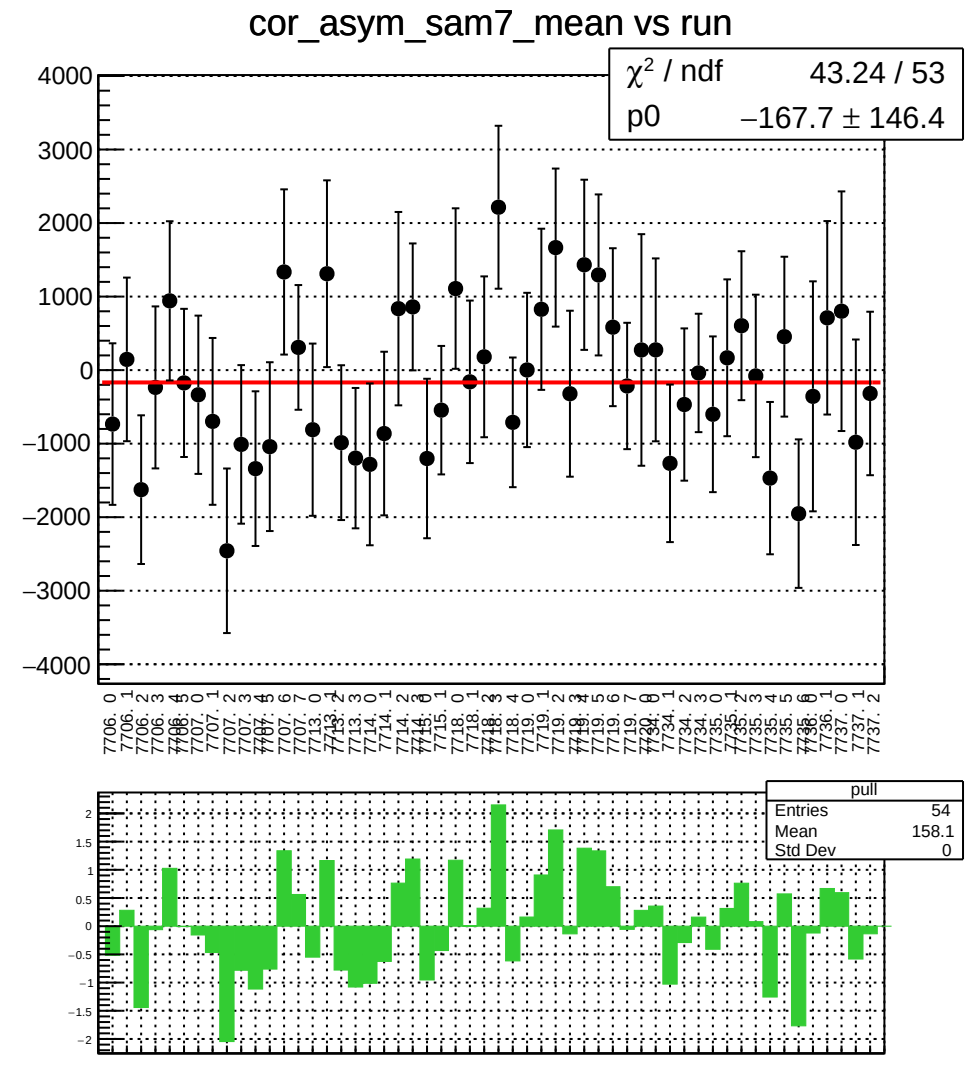

pull1D
Entries 54
Mean 0.01461
Std Dev 0.8947

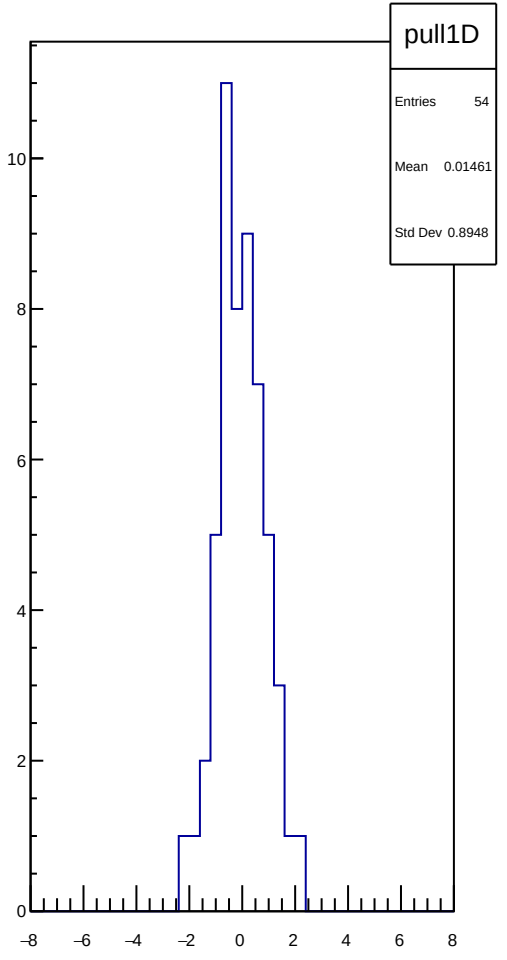

reg_asym_sam7_rms vs run
χ² / ndf 8548 / 53
p0 106.2 ± 0.1035
160
150
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

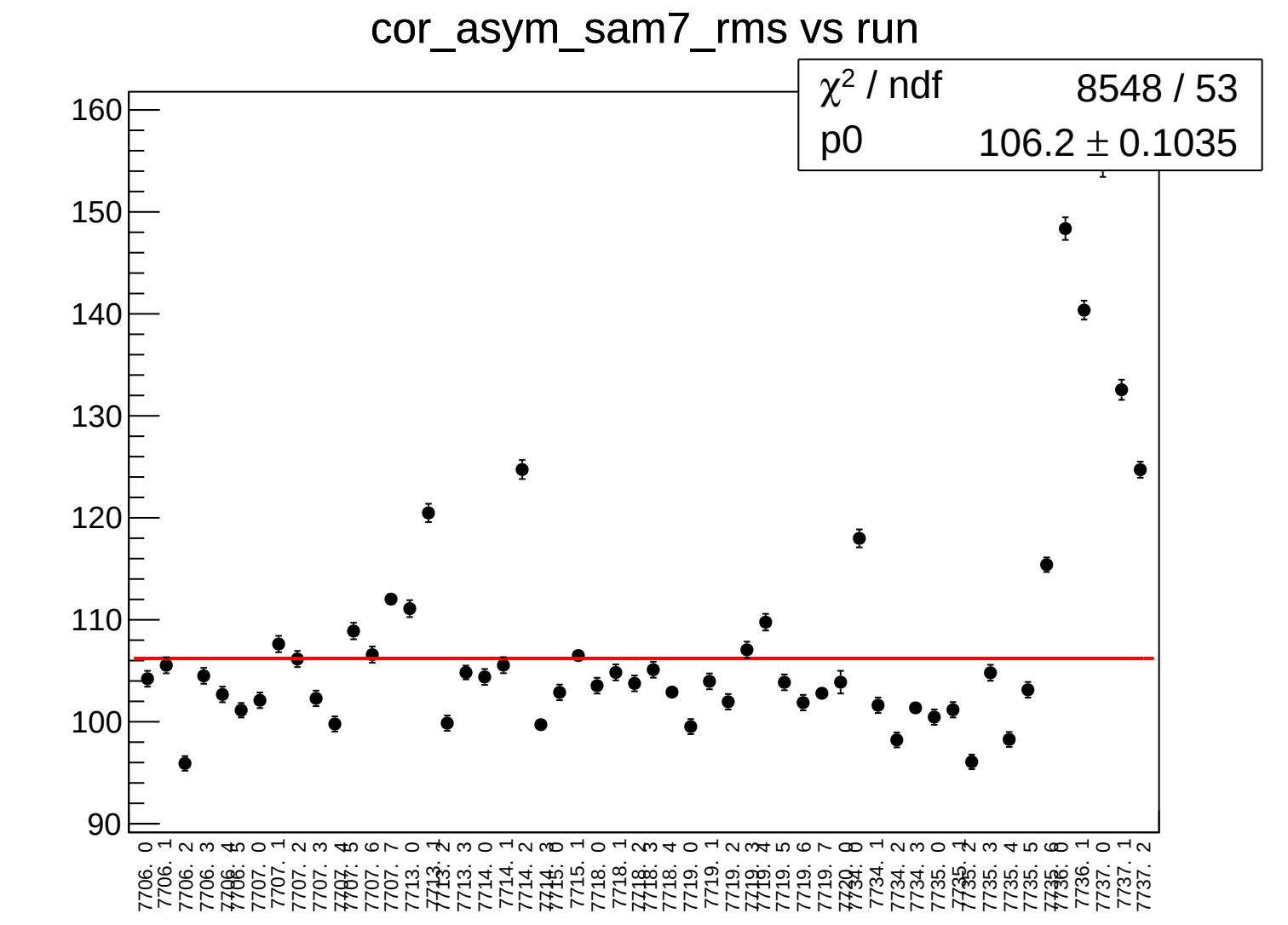

asym_sam7_reg_correction_mean vs run
χ² / ndf 32.24 / 53
p0 783.6 ± 1548
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 174.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

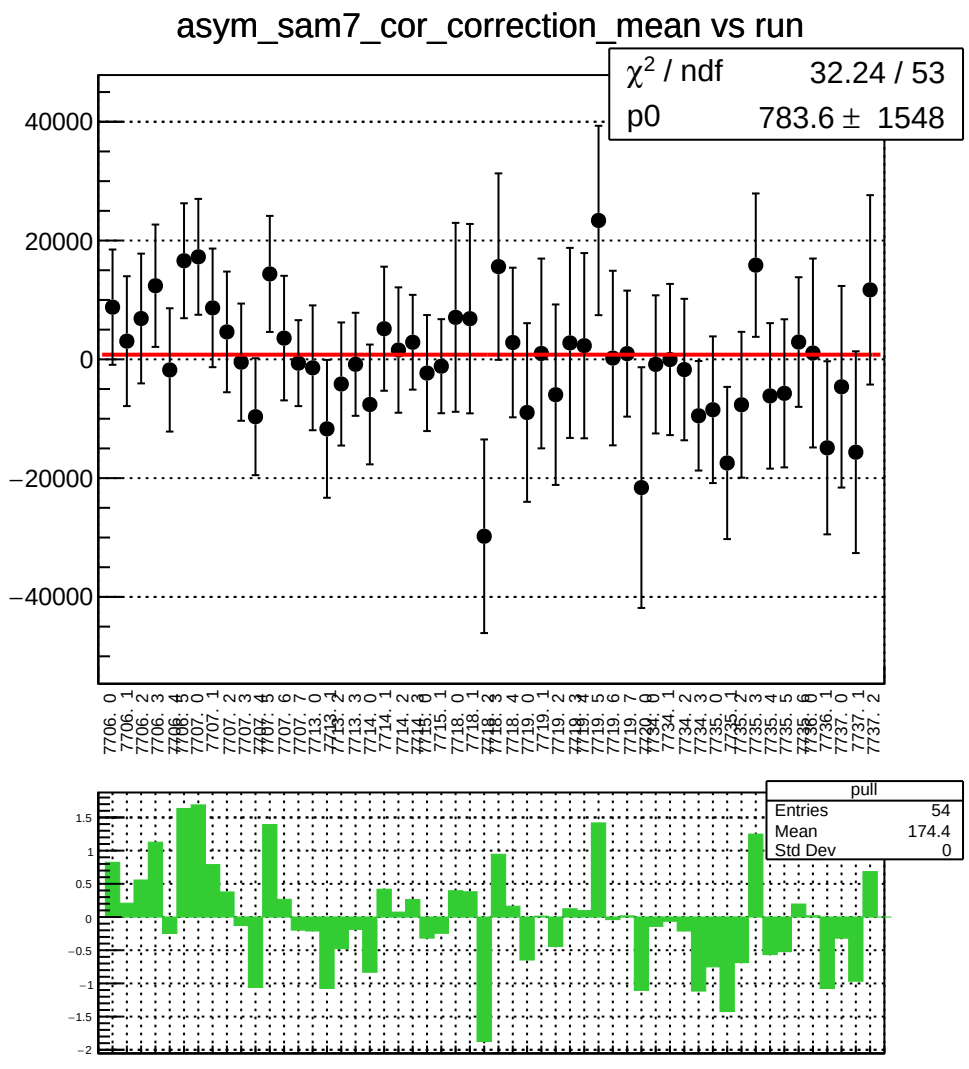

pull1D
Entries 54
Mean −0.02969
Std Dev 0.7721
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

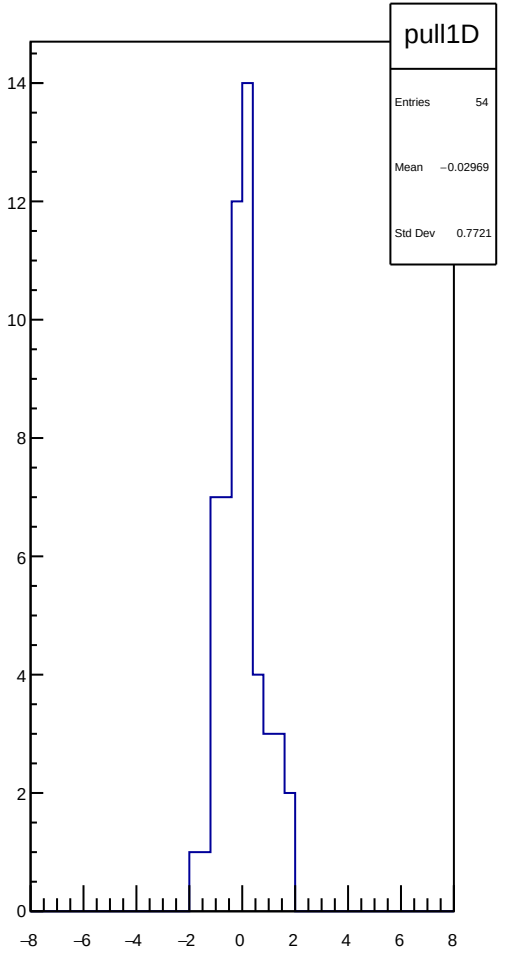

asym_sam7_reg_correction_rms vs run
χ² / ndf 3.746e+04 / 53
p0 1108 ± 1.094
1800
1600
1400
1200
1000

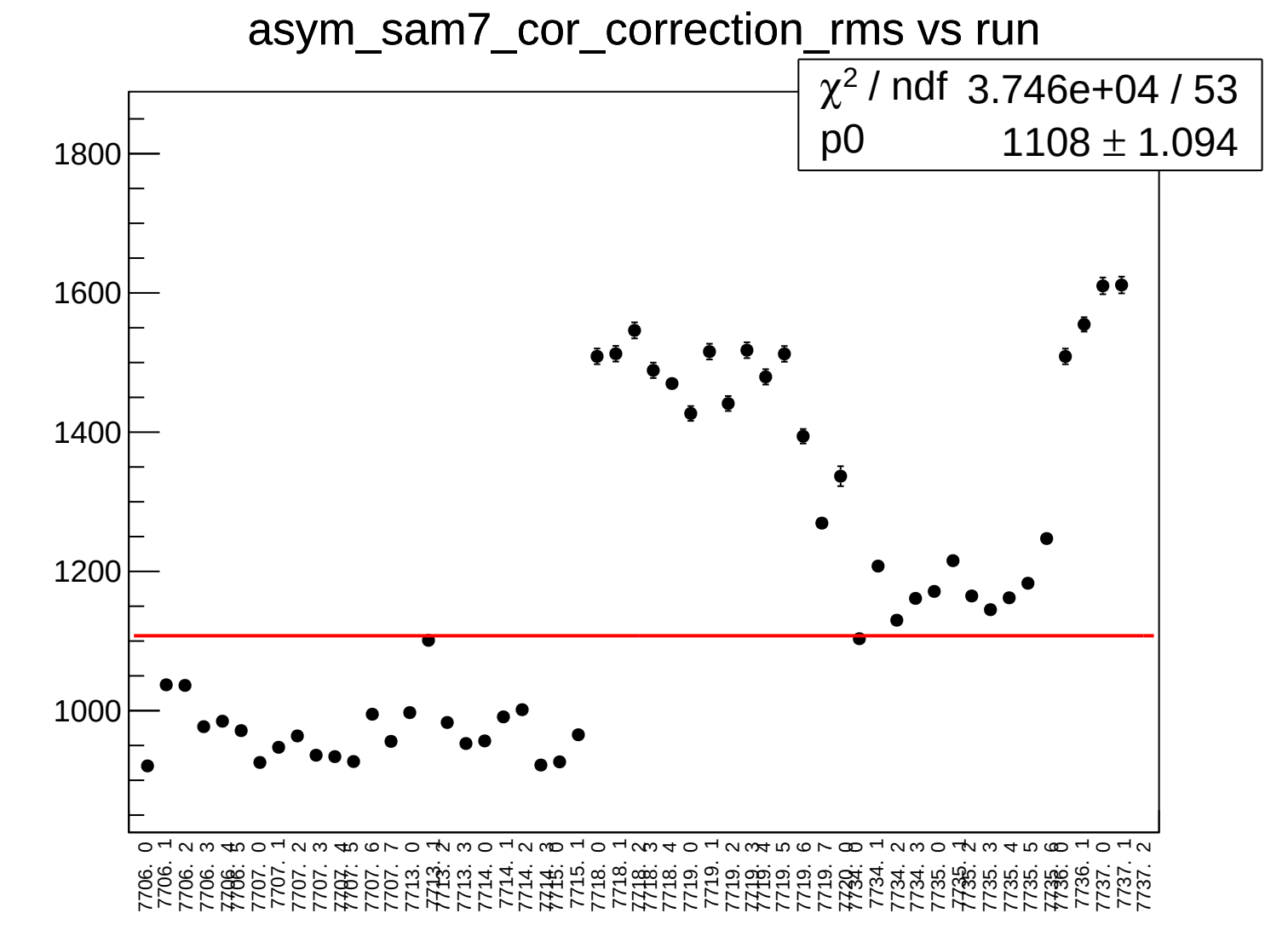

cor_asym_sam7_mean vs run
χ² / ndf 43.24 / 53
p0 −167.7 ± 146.4
pull
Entries 54
Mean 158.1
Std Dev 0

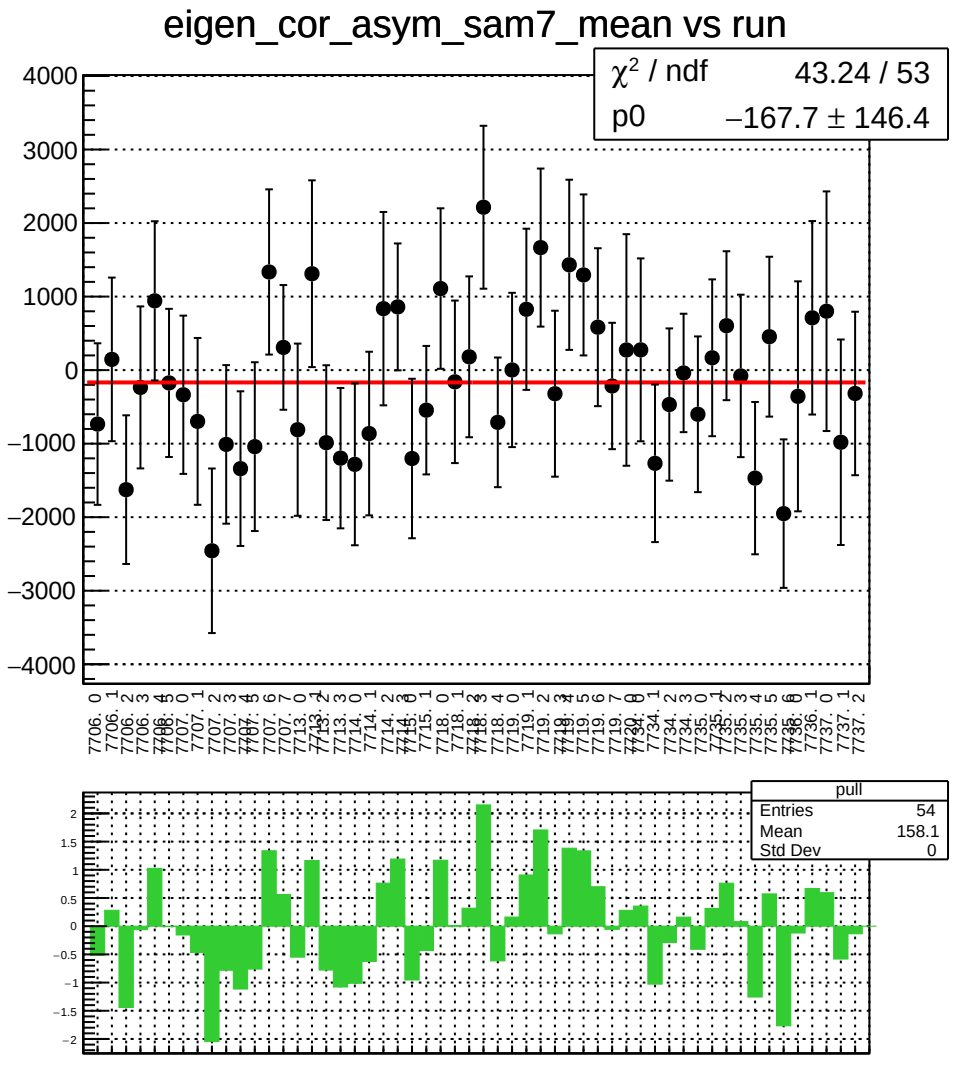

pull1D
Entries 54
Mean 0.01461
Std Dev 0.8948

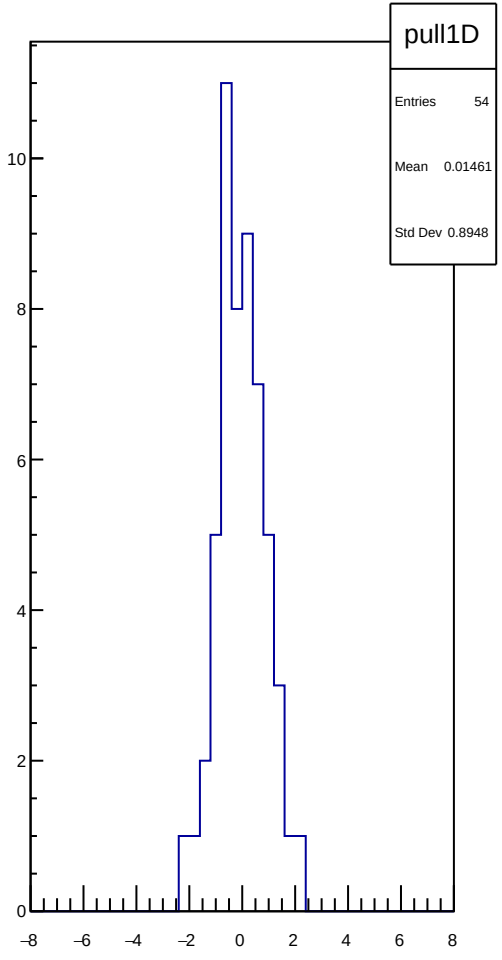

cor_asym_sam7_rms vs run
χ² / ndf 8548 / 53
p0 106.2 ± 0.1035
160
150
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

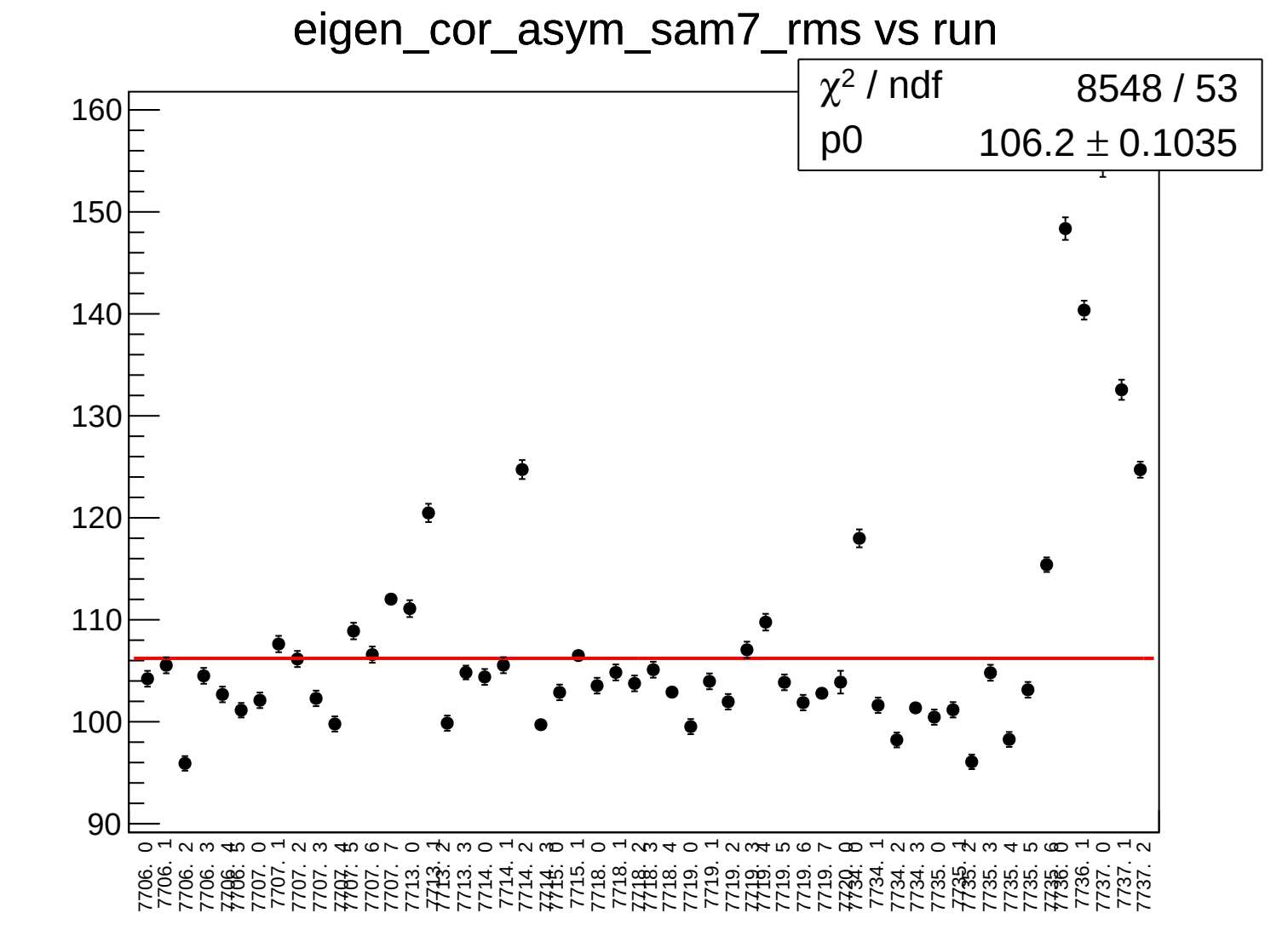

asym_sam7_cor_correction_mean vs run
χ² / ndf 32.24 / 53
p0 783.6 ± 1548
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 174.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

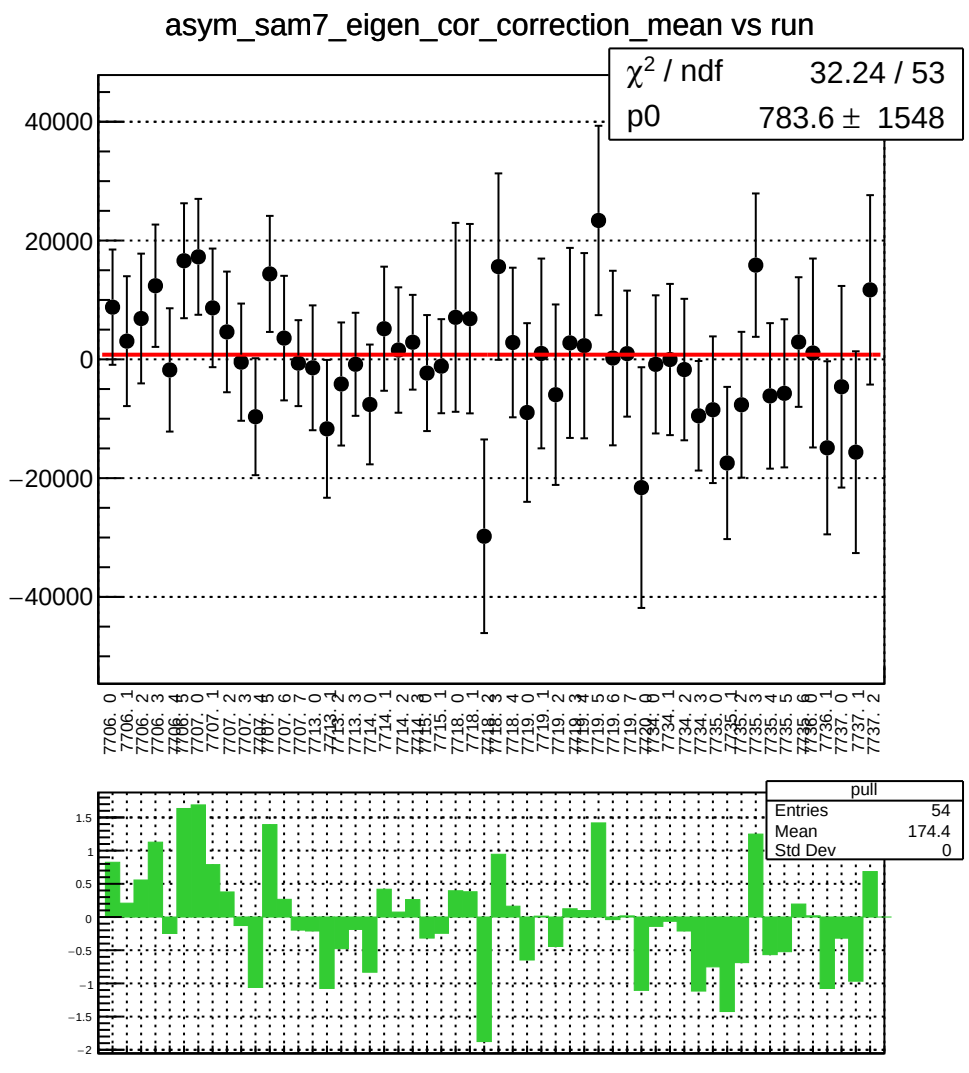

pull1D
Entries 54
Mean −0.02969
Std Dev 0.7721
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

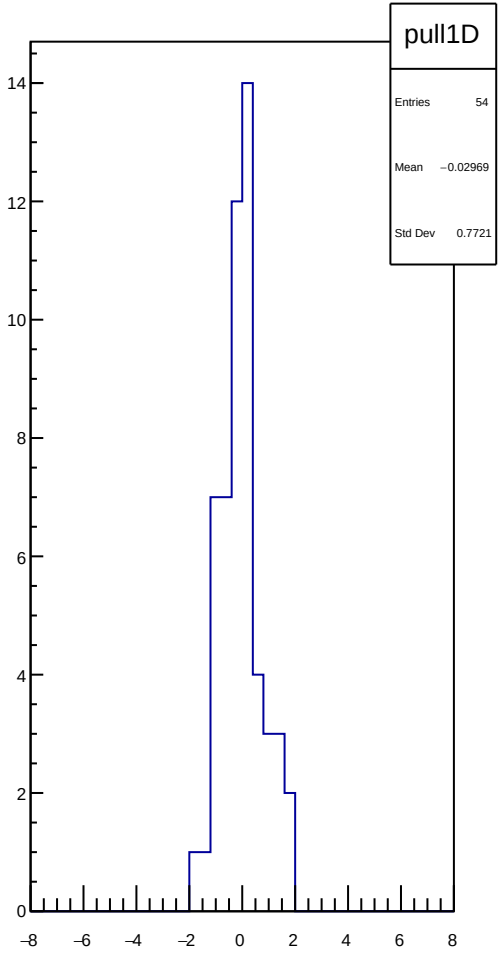

asym_sam7_cor_correction_rms vs run
χ² / ndf 3.746e+04 / 53
p0 1108 ± 1.094
1800
1600
1400
1200
1000

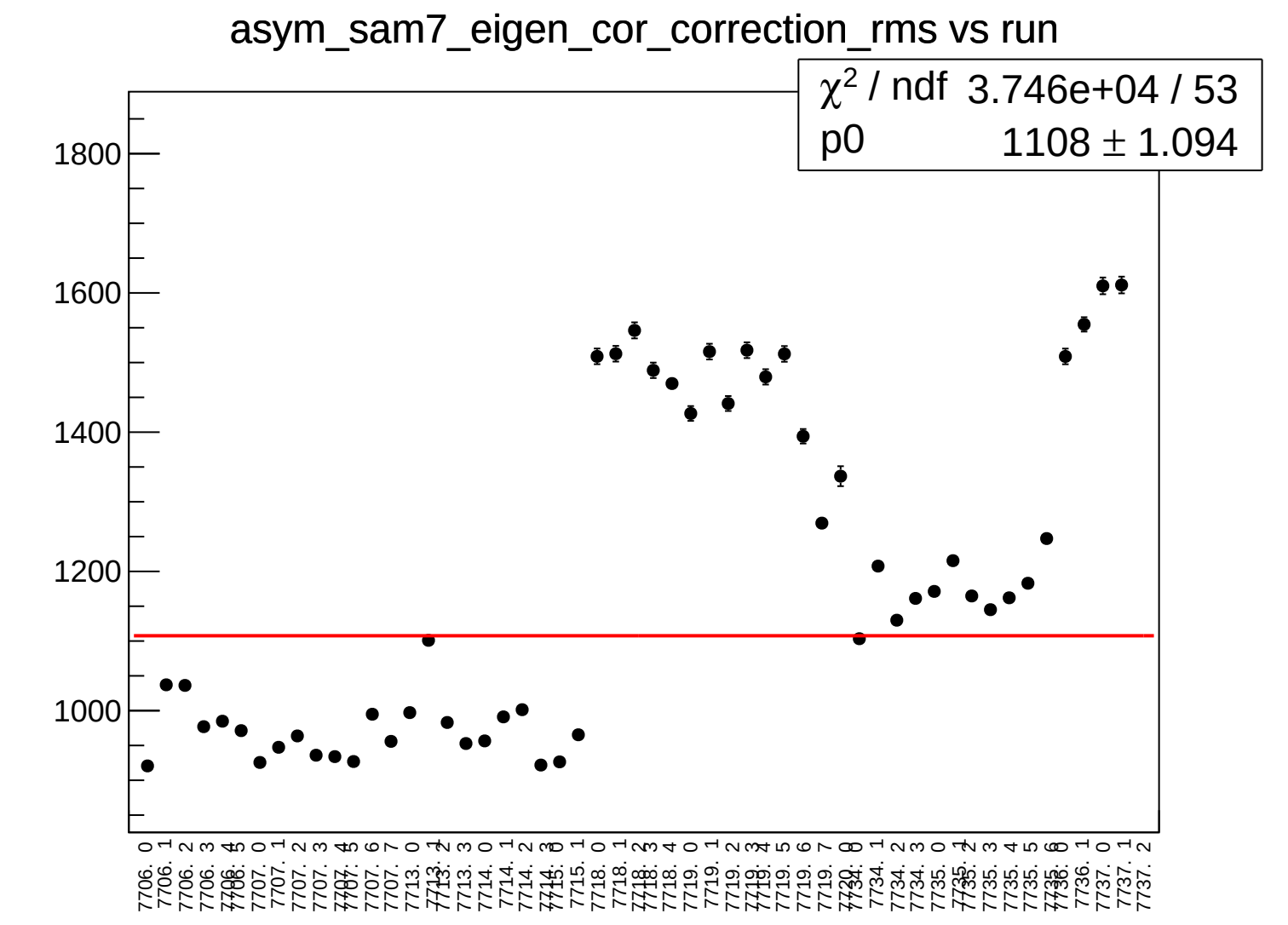

eigen_cor_asym_sam7_mean vs run
χ² / ndf 43.24 / 53
p0 −167.7 ± 146.4
pull
Entries 54
Mean 158.1
Std Dev 0

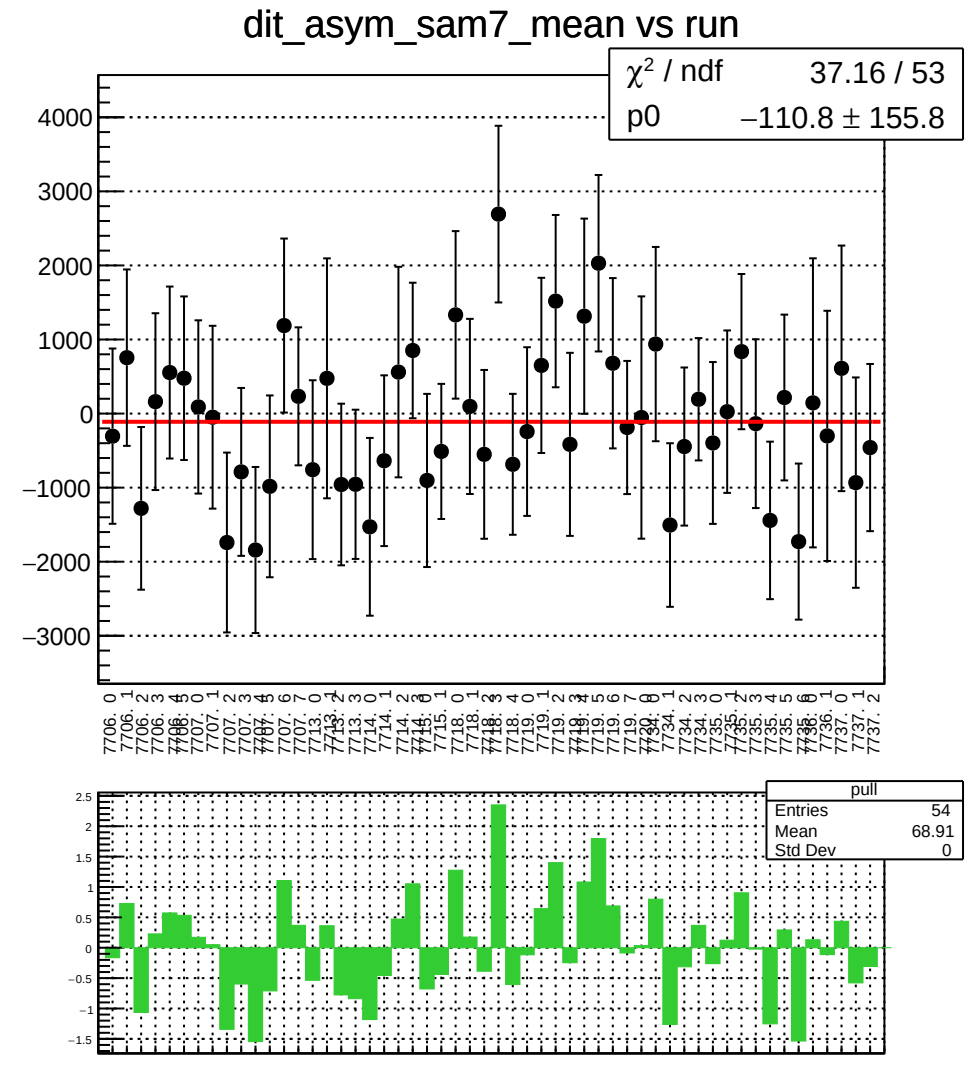

pull1D
Entries 54
Mean 0.01461
Std Dev 0.8948

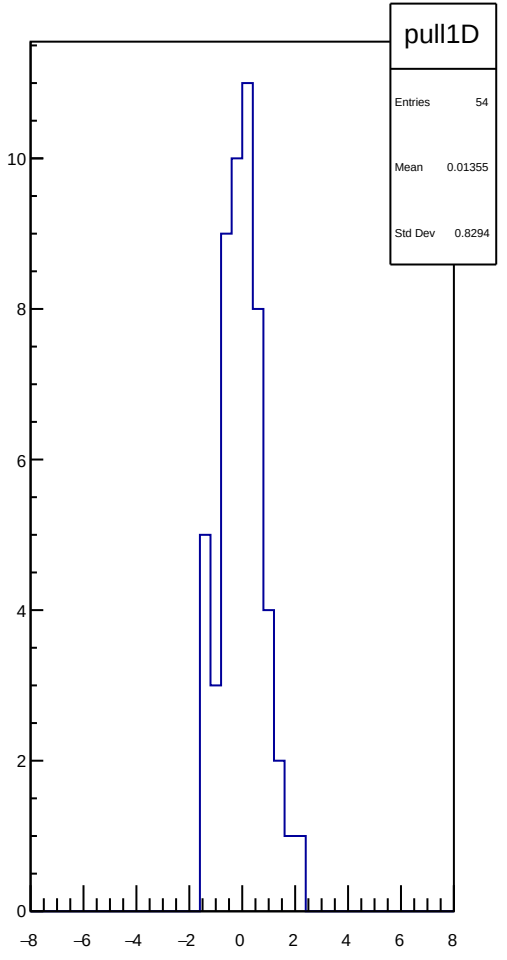

eigen_cor_asym_sam7_rms vs run
χ² / ndf 8548 / 53
p0 106.2 ± 0.1035
160
150
140
130
120
110
100
90

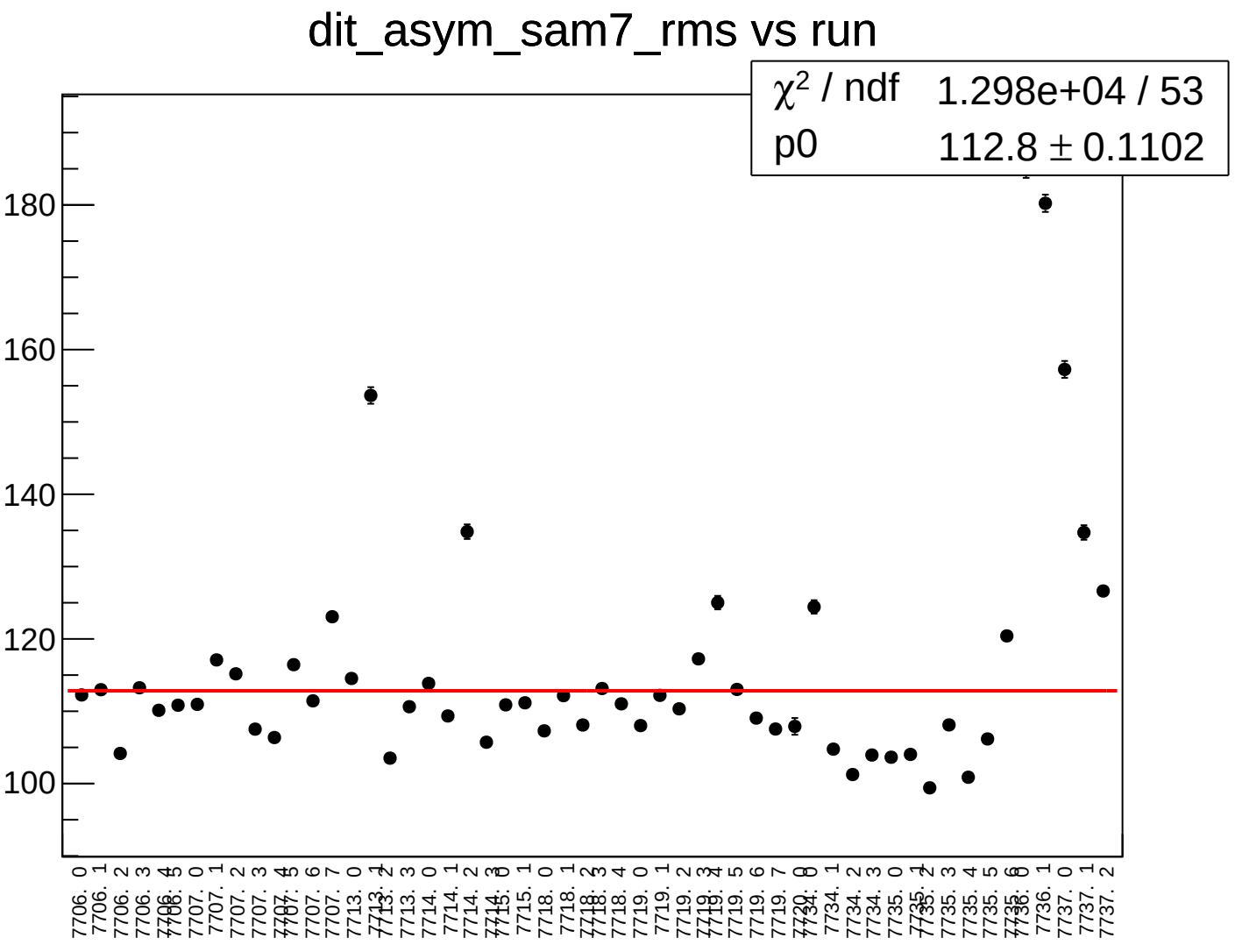

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 32.24 / 53
p0 783.6 ± 1548
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 174.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

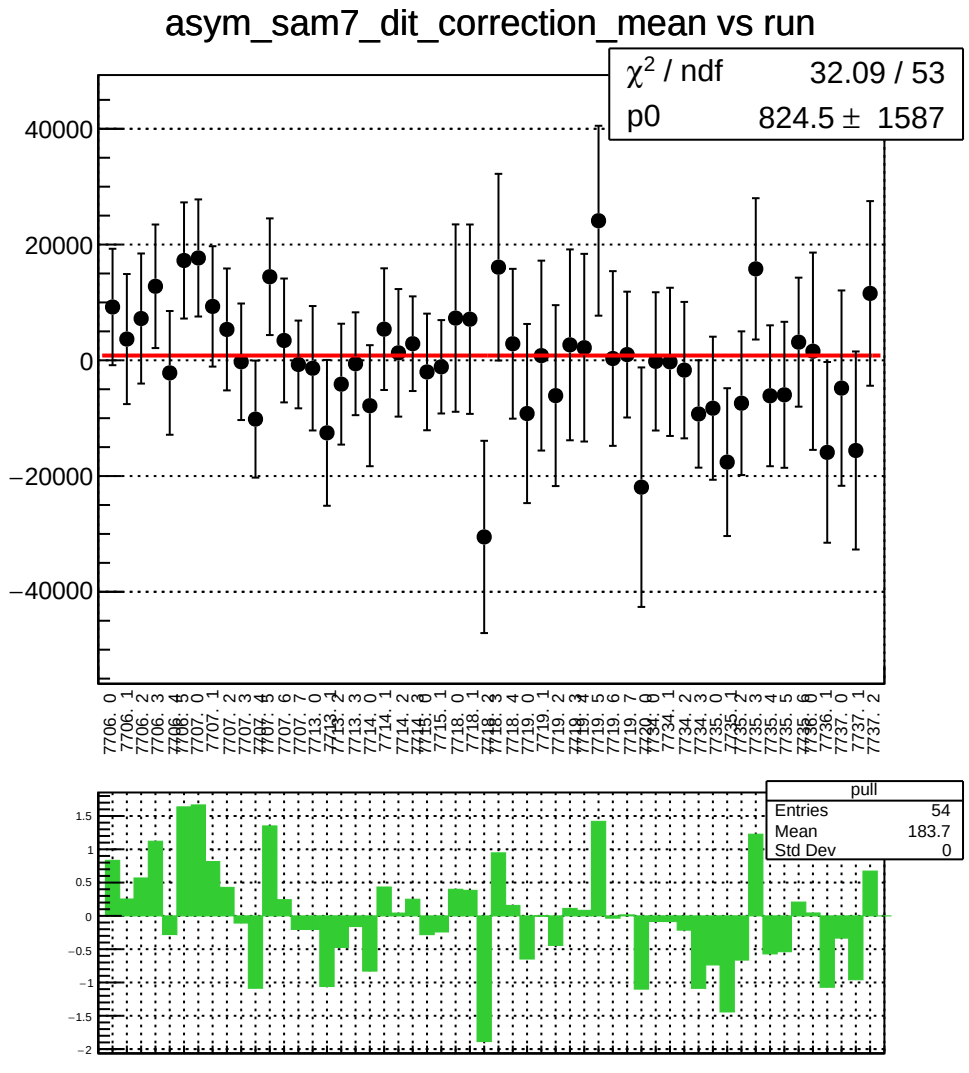

pull1D
Entries 54
Mean −0.02969
Std Dev 0.7721
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

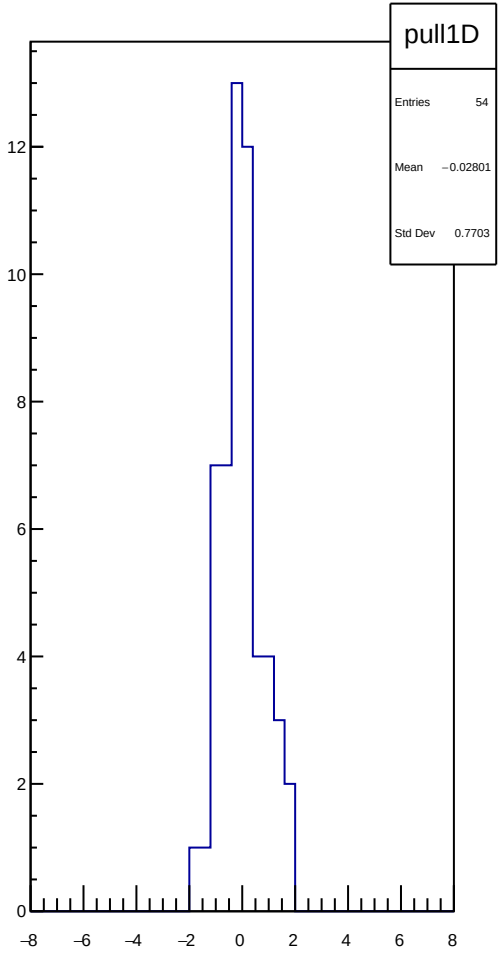

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3.746e+04 / 53
p0 1108 ± 1.094
1800
1600
1400
1200
1000

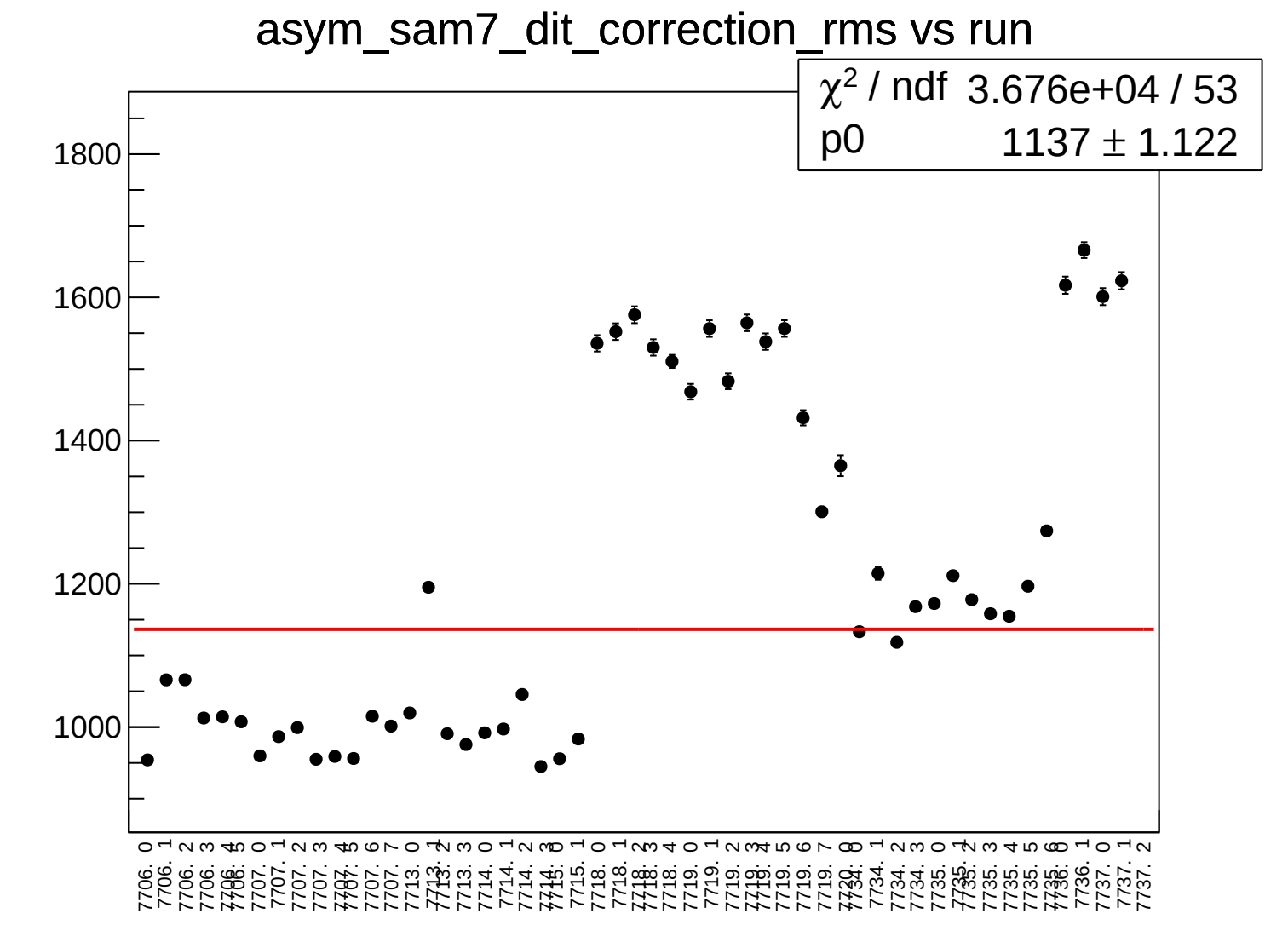

dit_asym_sam7_mean vs run
χ² / ndf 37.16 / 53
p0 −110.8 ± 155.8
pull
Entries 54
Mean 68.91
Std Dev 0

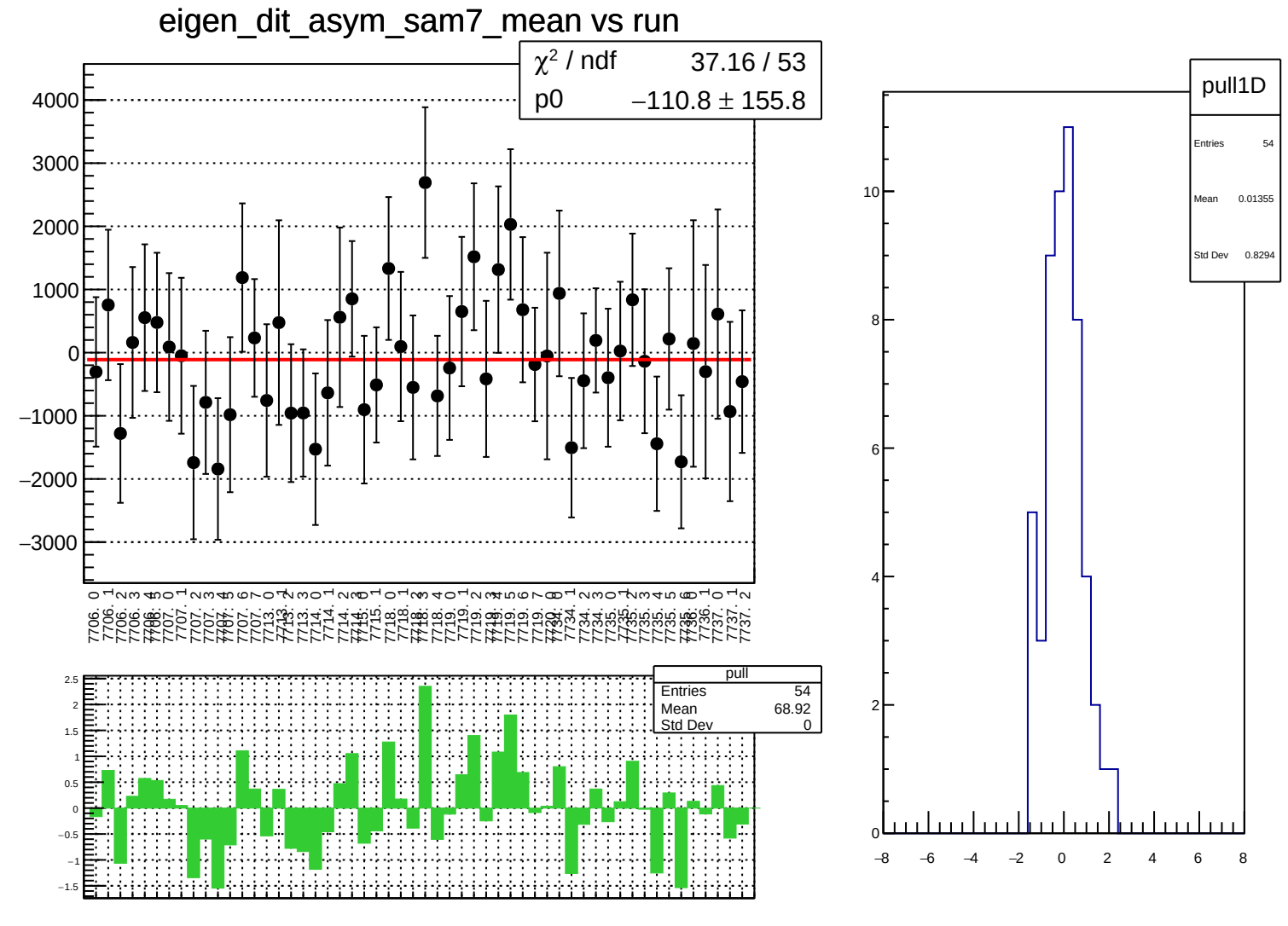

pull1D
Entries 54
Mean 0.01355
Std Dev 0.8294

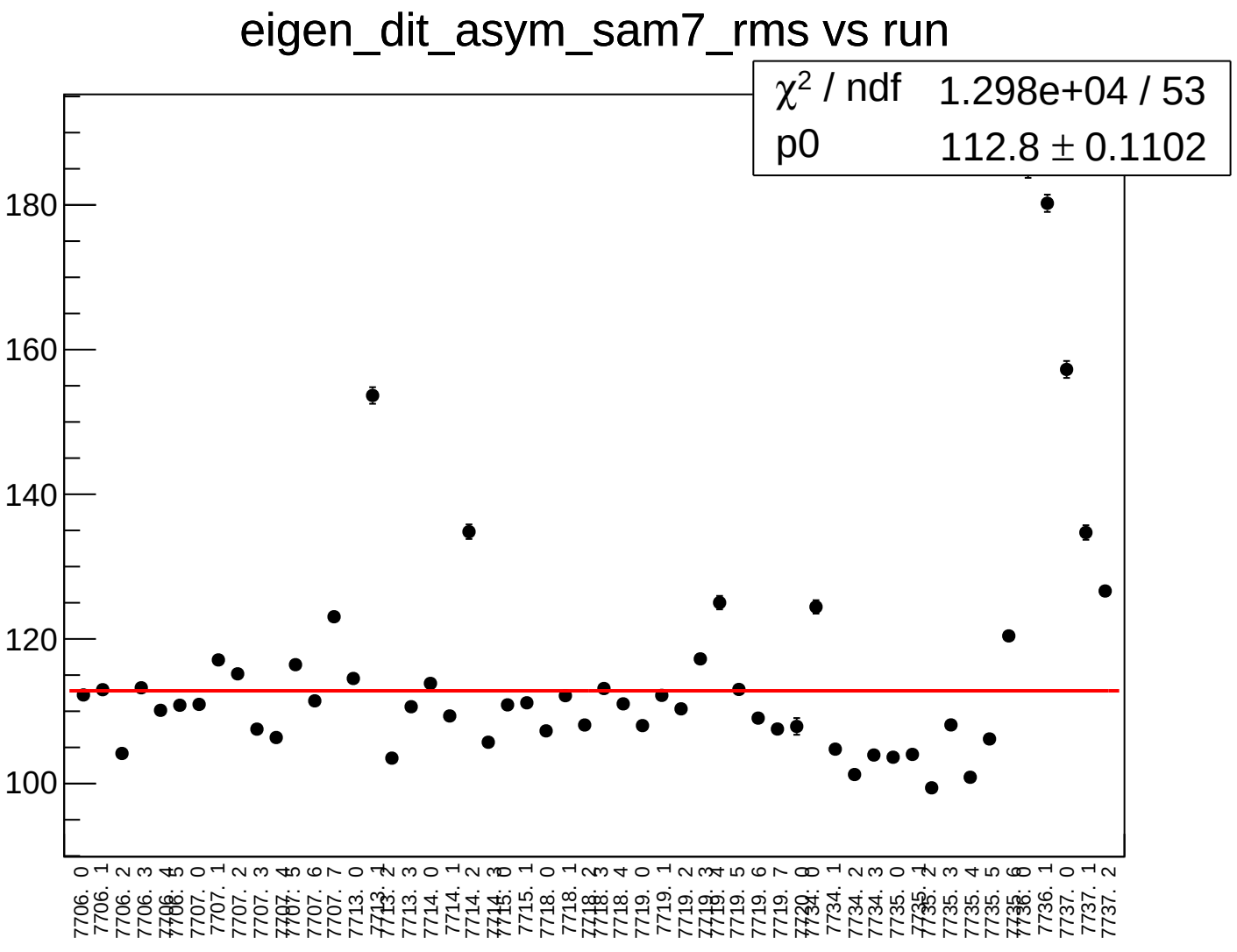

dit_asym_sam7_rms vs run
χ² / ndf 1.298e+04 / 53
p0 112.8 ± 0.1102
180
160
140
120
100

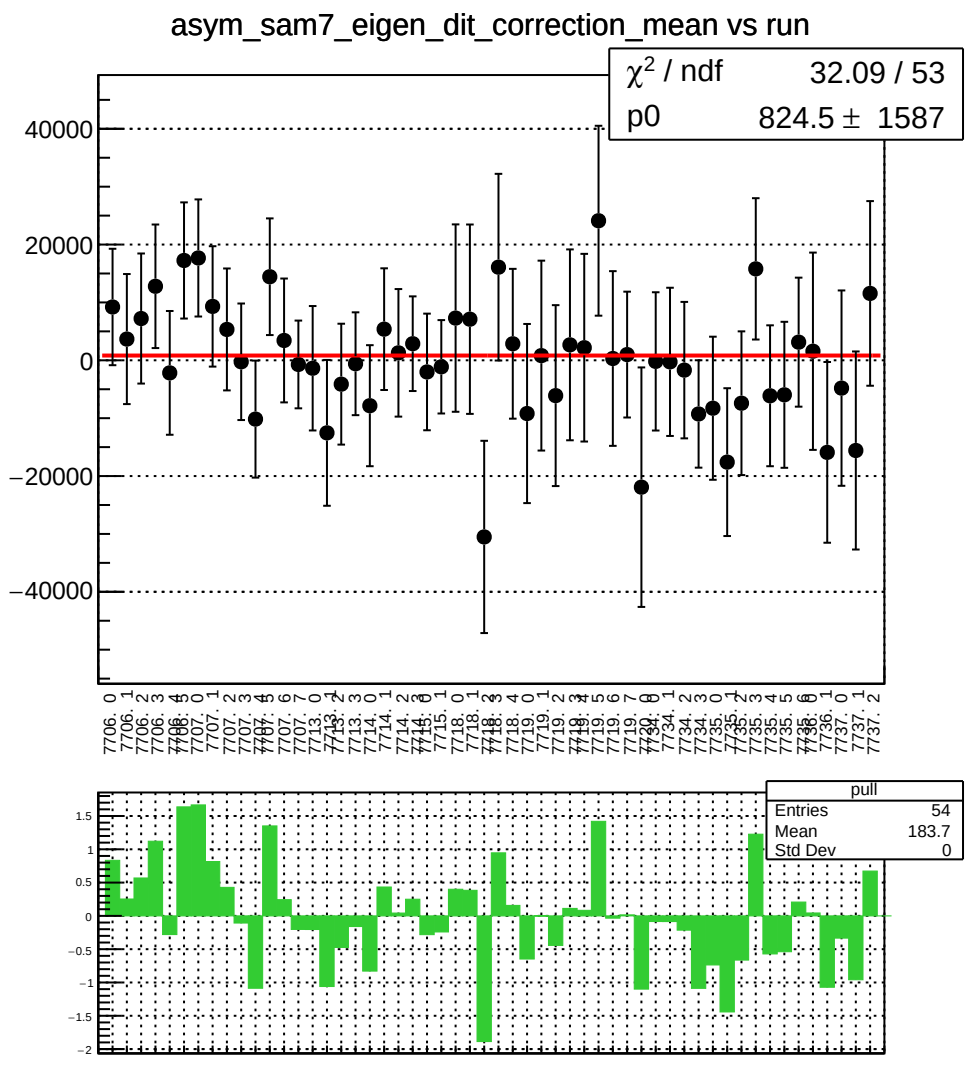

asym_sam7_dit_correction_mean vs run
χ² / ndf 32.09 / 53
p0 824.5 ± 1587
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 183.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

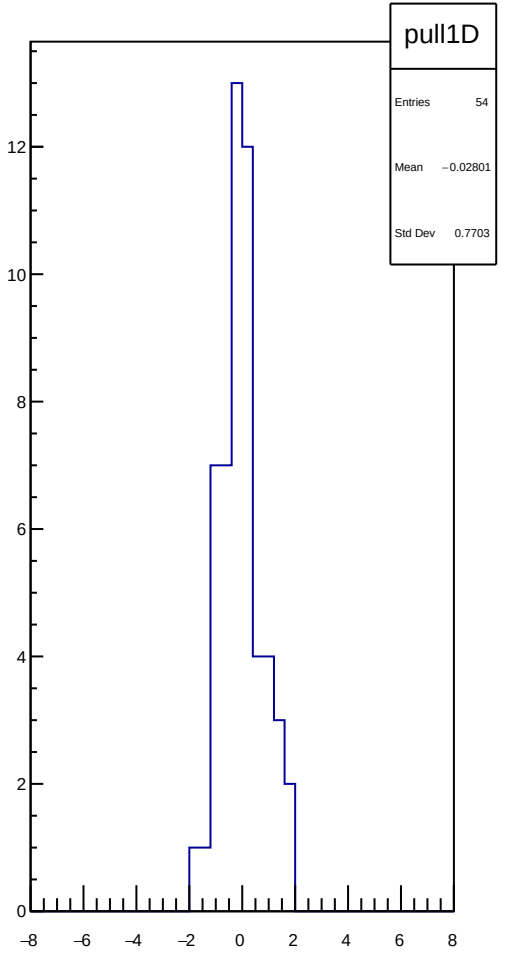

pull1D
Entries 54
Mean −0.02801
Std Dev 0.7703
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

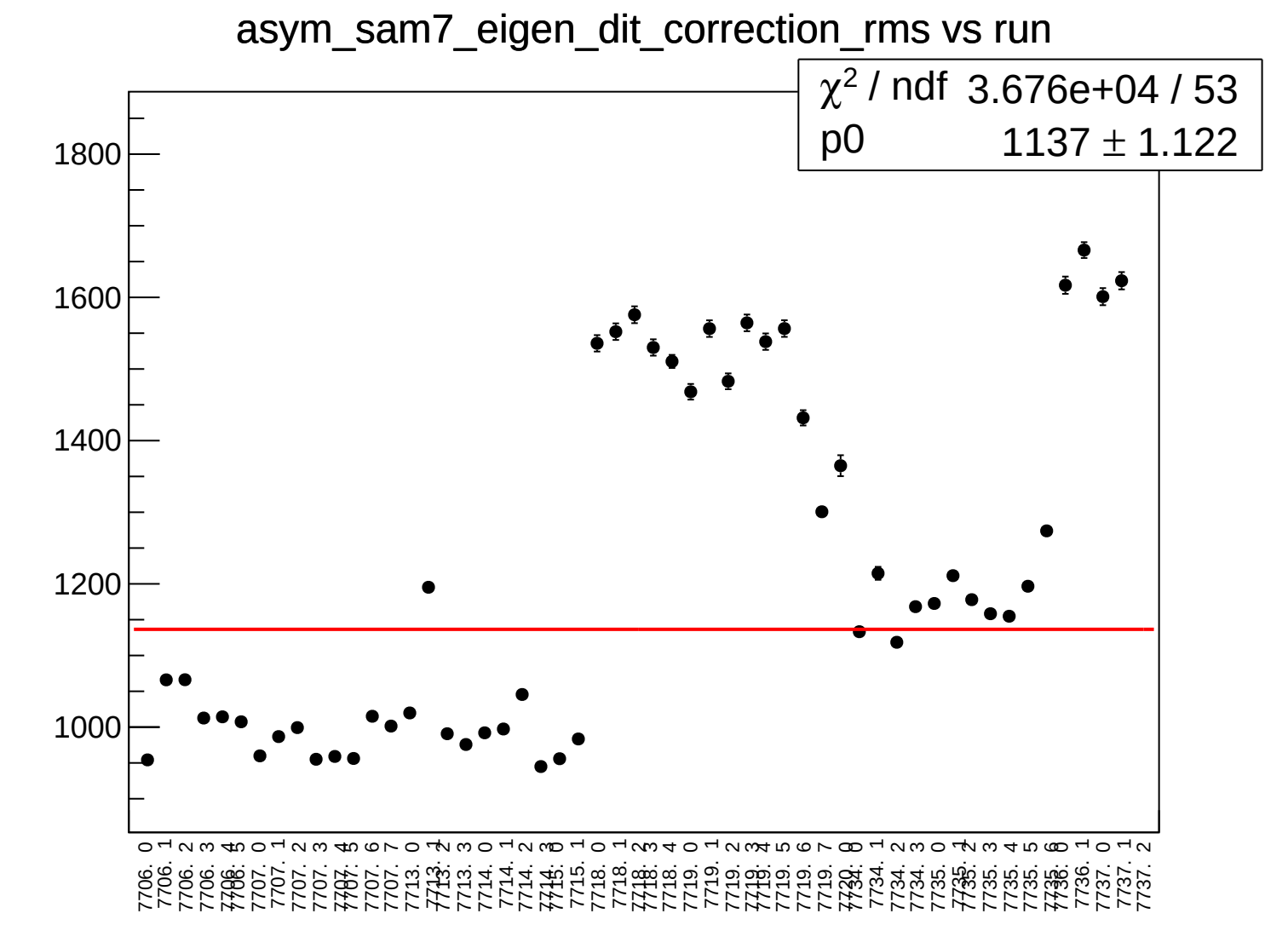

asym_sam7_dit_correction_rms vs run
χ² / ndf 3.676e+04 / 53
p0 1137 ± 1.122
1800
1600
1400
1200
1000

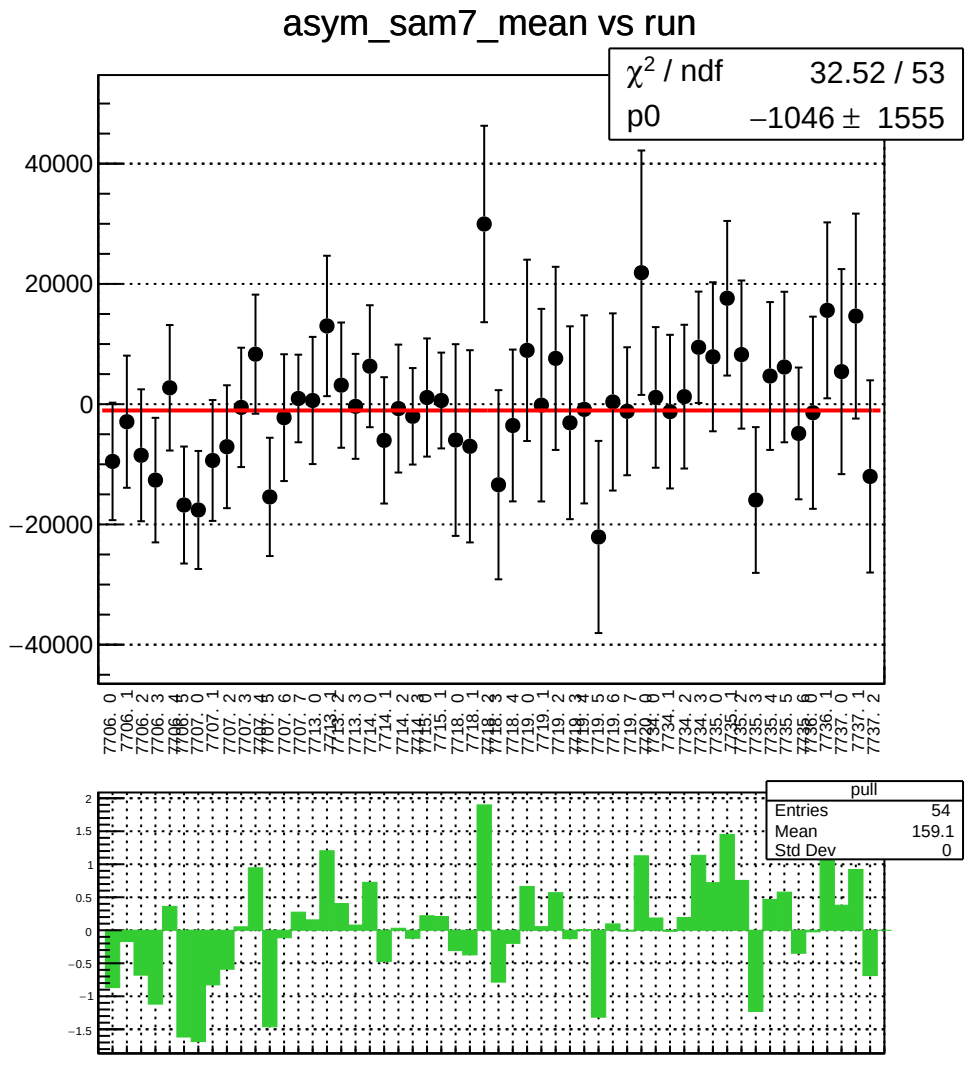

eigen_dit_asym_sam7_mean vs run
χ² / ndf 37.16 / 53
p0 −110.8 ± 155.8
pull
Entries 54
Mean 68.92
Std Dev 0
pull1D
Entries 54
Mean 0.01355
Std Dev 0.8294

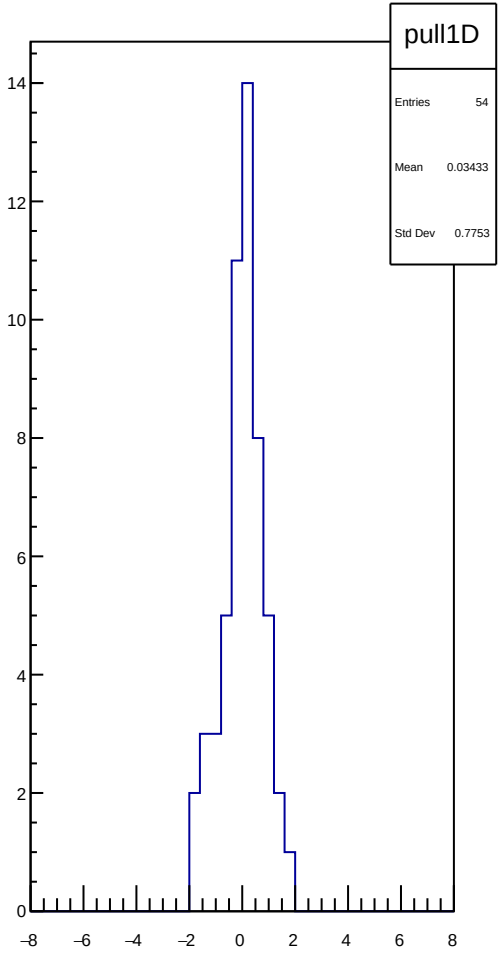

eigen_dit_asym_sam7_rms vs run
χ² / ndf 1.298e+04 / 53
p0 112.8 ± 0.1102
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

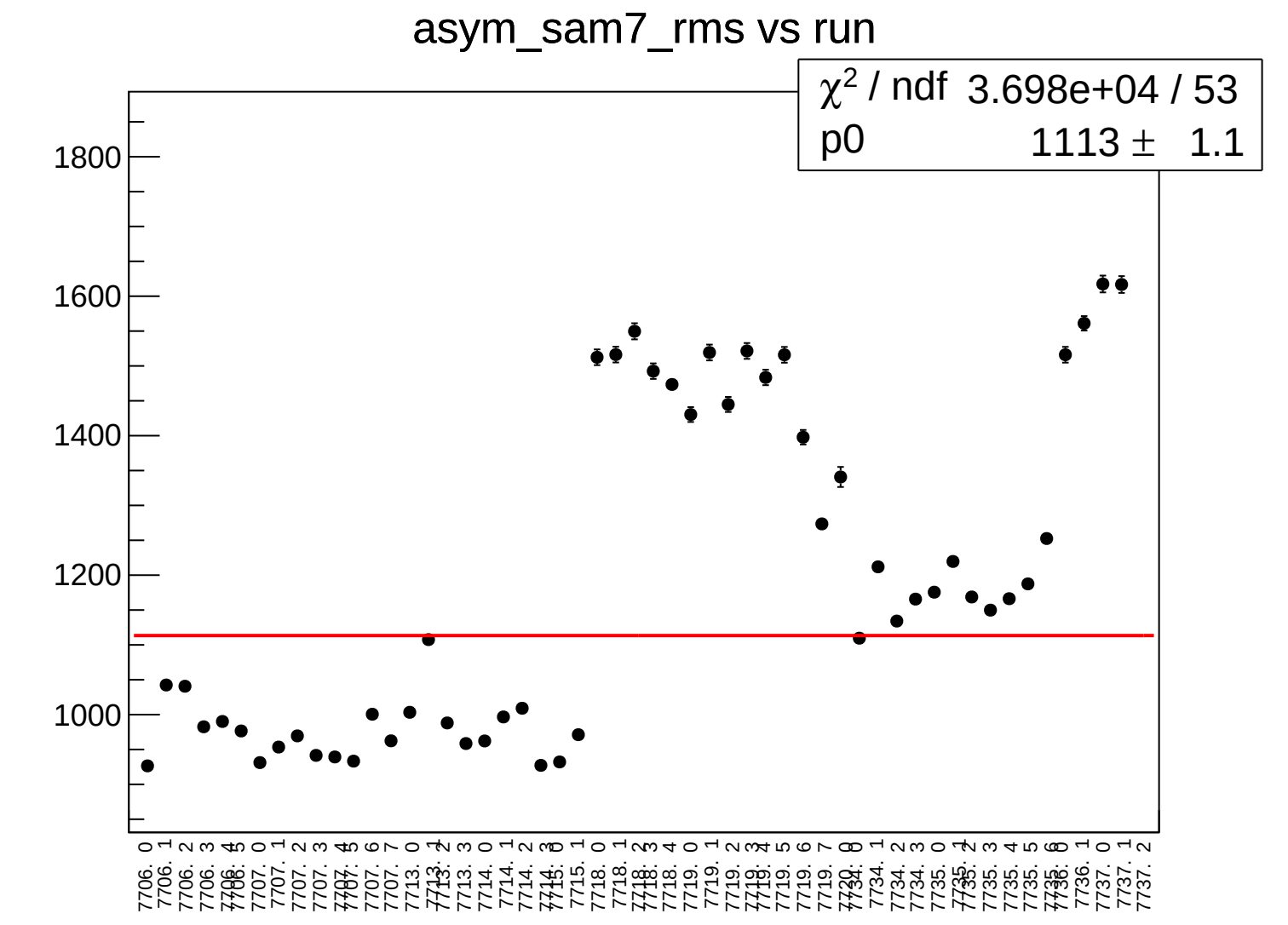

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 32.09 / 53
p0 824.5 ± 1587
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 183.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

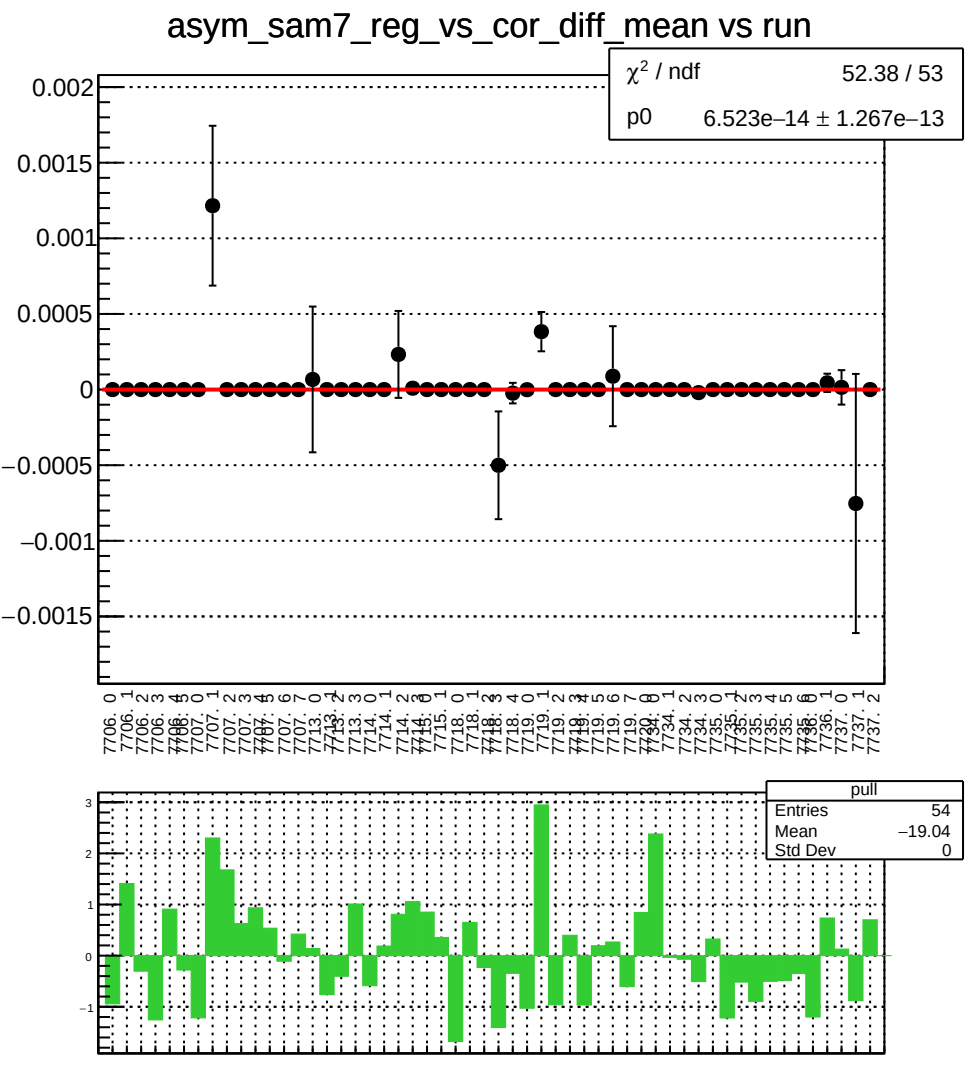

pull1D
Entries 54
Mean −0.02801
Std Dev 0.7703
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

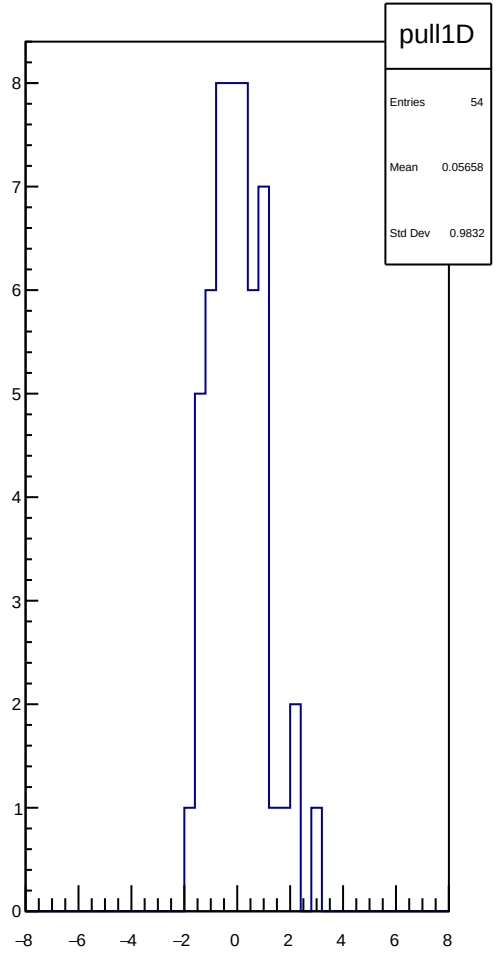

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 3.676e+04 / 53
p0 1137 ± 1.122
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

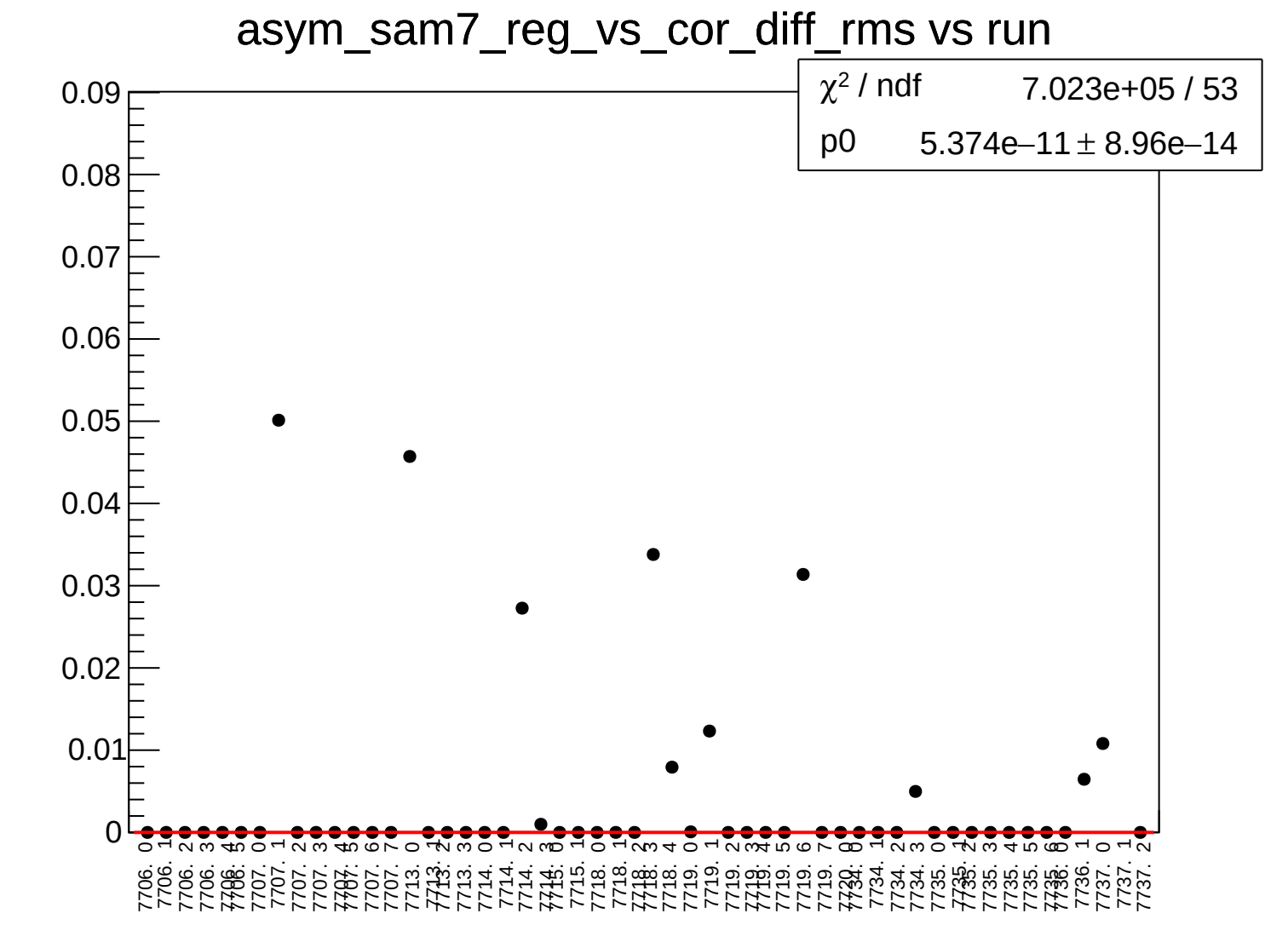

asym_sam7_mean vs run
χ² / ndf 32.52 / 53
p0 −1046 ± 1555
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 159.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

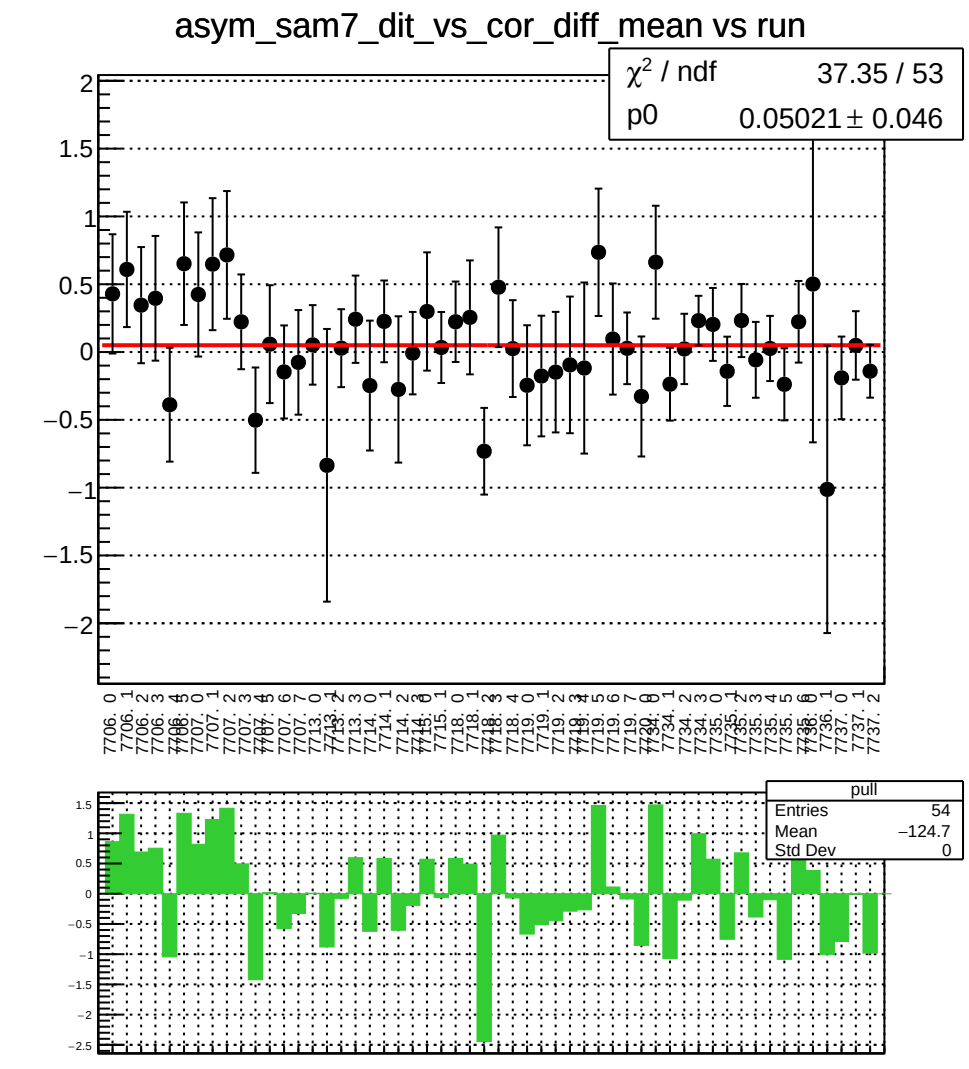

pull1D
Entries 54
Mean 0.03433
Std Dev 0.7753
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

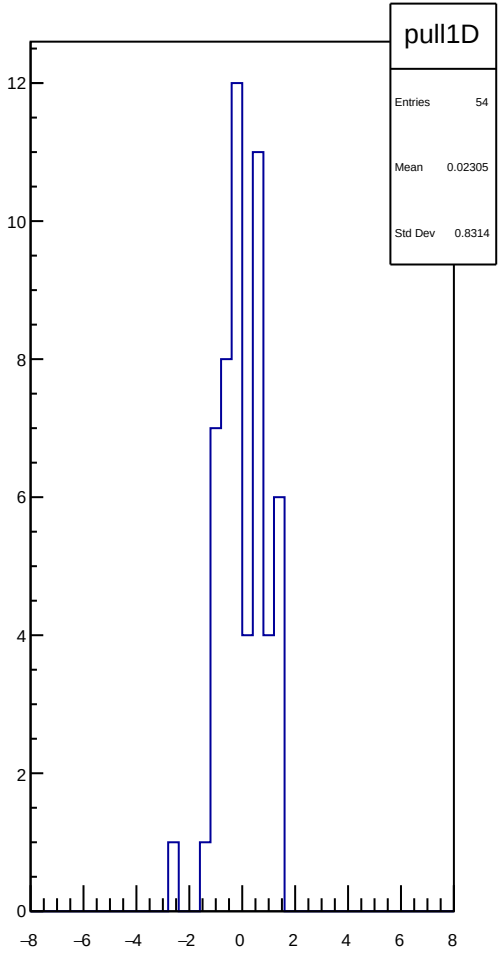

asym_sam7_rms vs run
χ² / ndf 3.698e+04 / 53
p0 1113 ± 1.1
1800
1600
1400
1200
1000

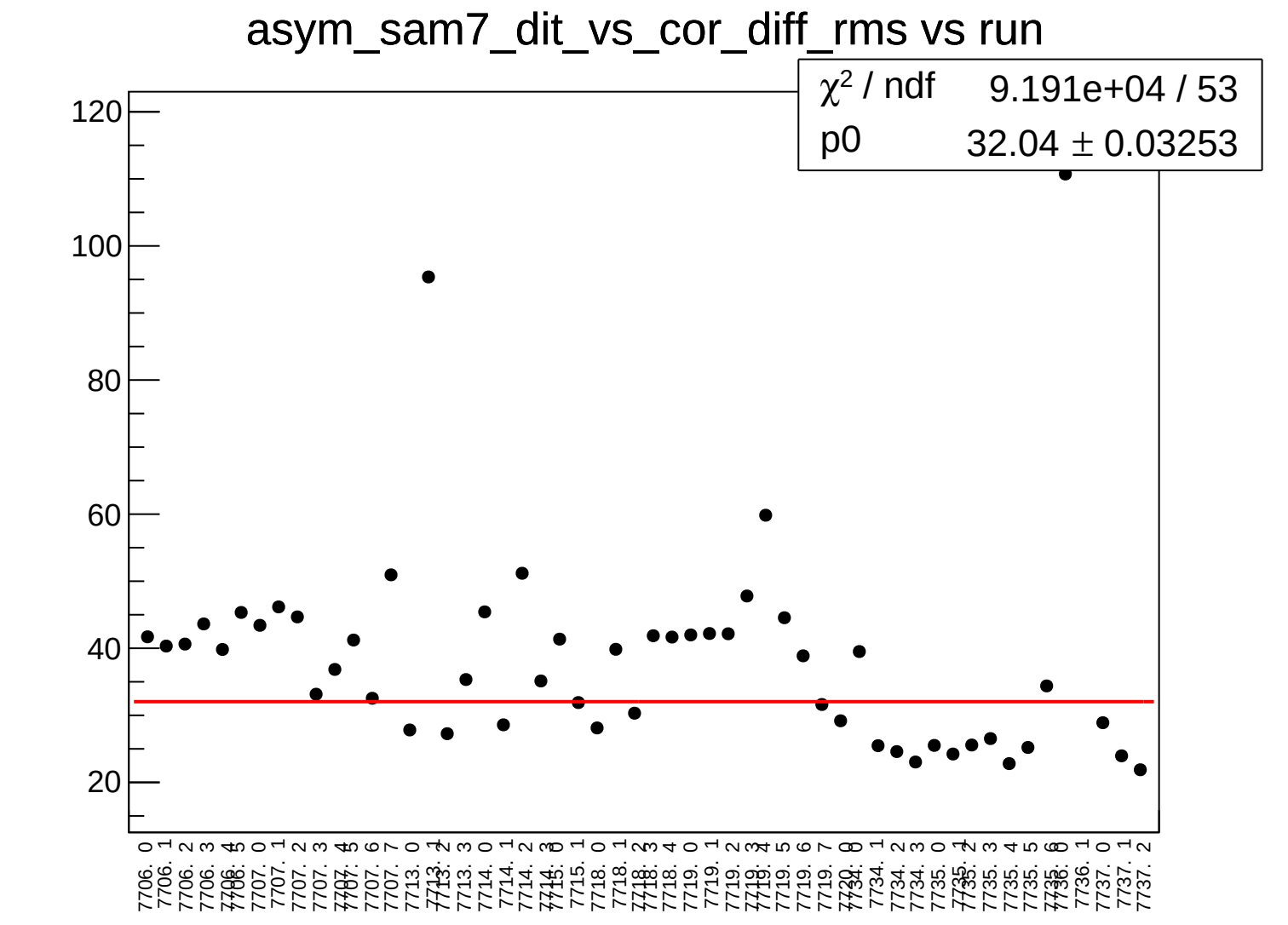

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 52.38 / 53
p0 6.523e−14 ± 1.267e−13
pull
Entries 54
Mean −19.04
Std Dev 0

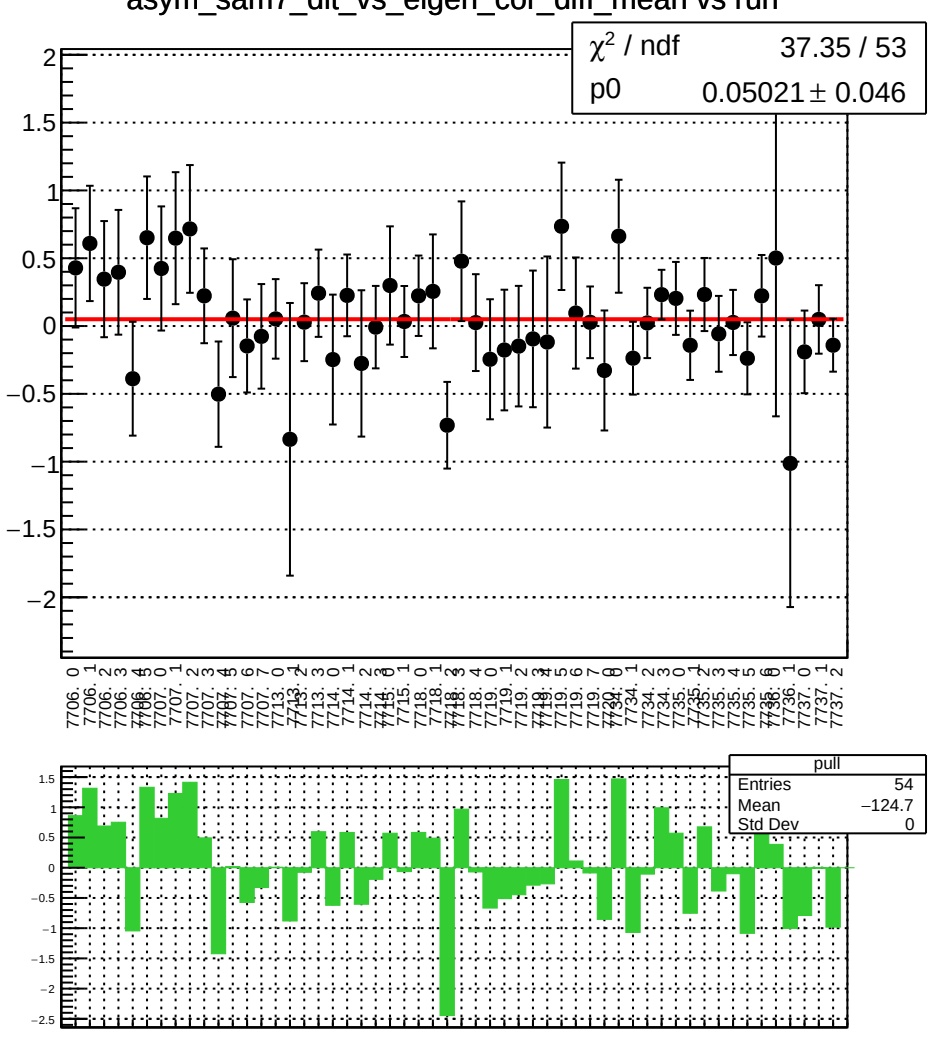

pull1D
Entries 54
Mean 0.05658
Std Dev 0.9832

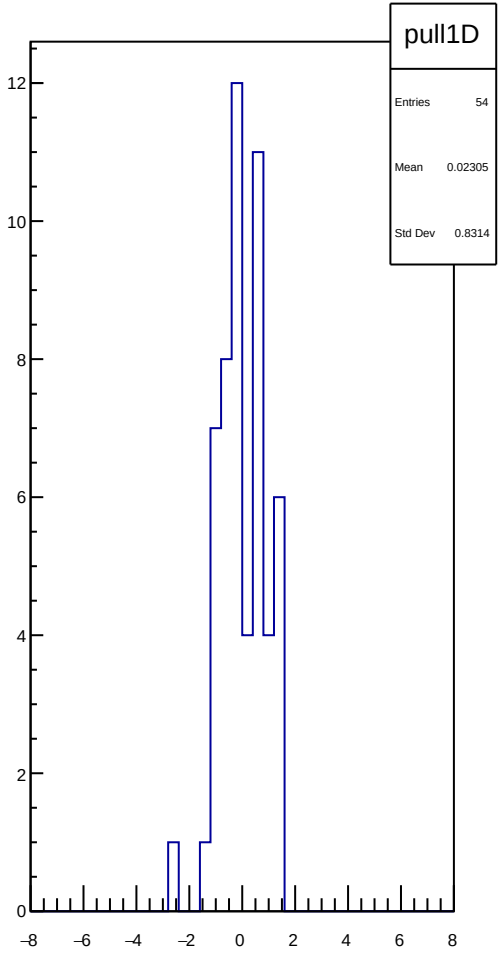

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 7.023e+05 / 53
p0 5.374e−11 ± 8.96e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

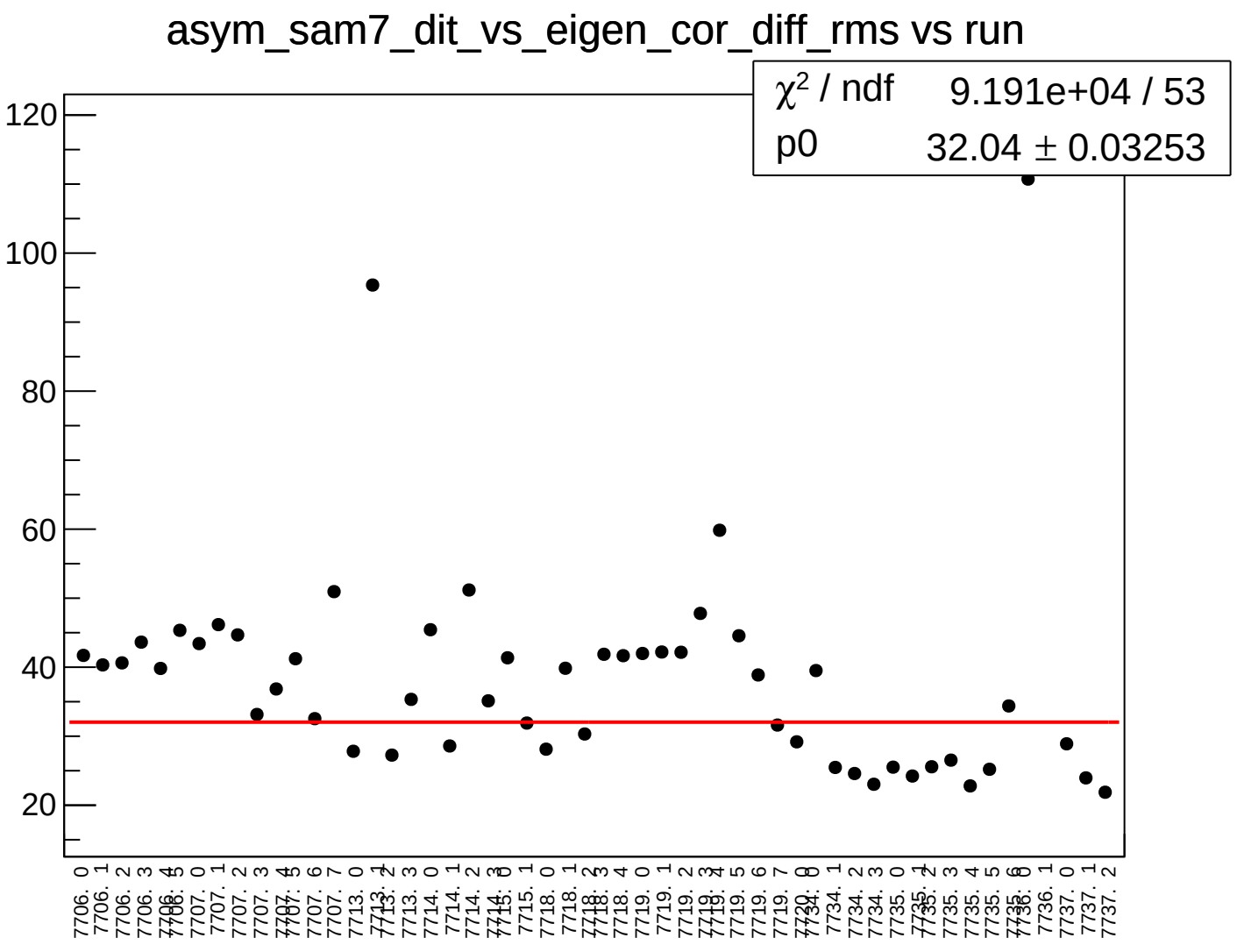

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 37.35 / 53
p0 0.05021 ± 0.046
pull
Entries 54
Mean −124.7
Std Dev 0

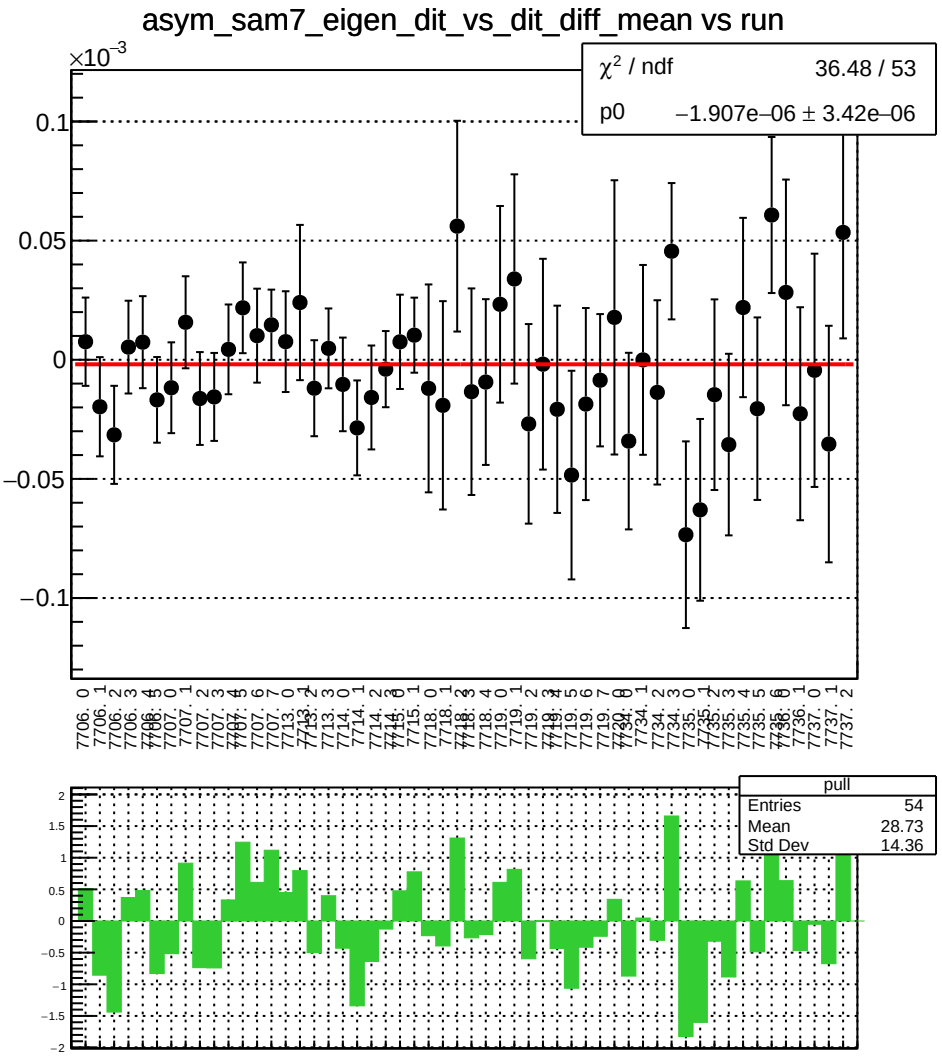

pull1D
Entries 54
Mean 0.02305
Std Dev 0.8314

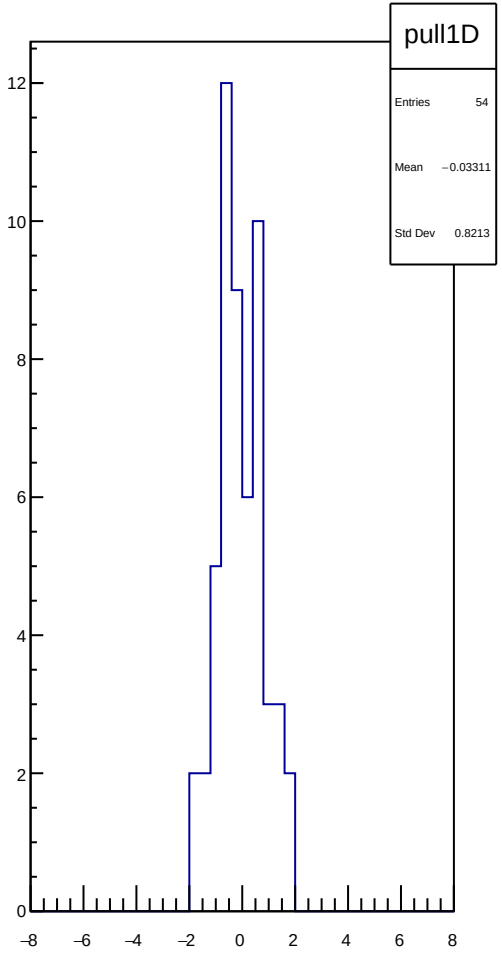

asym_sam7_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.191e+04 / 53
p0 32.04 ± 0.03253
120
100
80
60
40
20

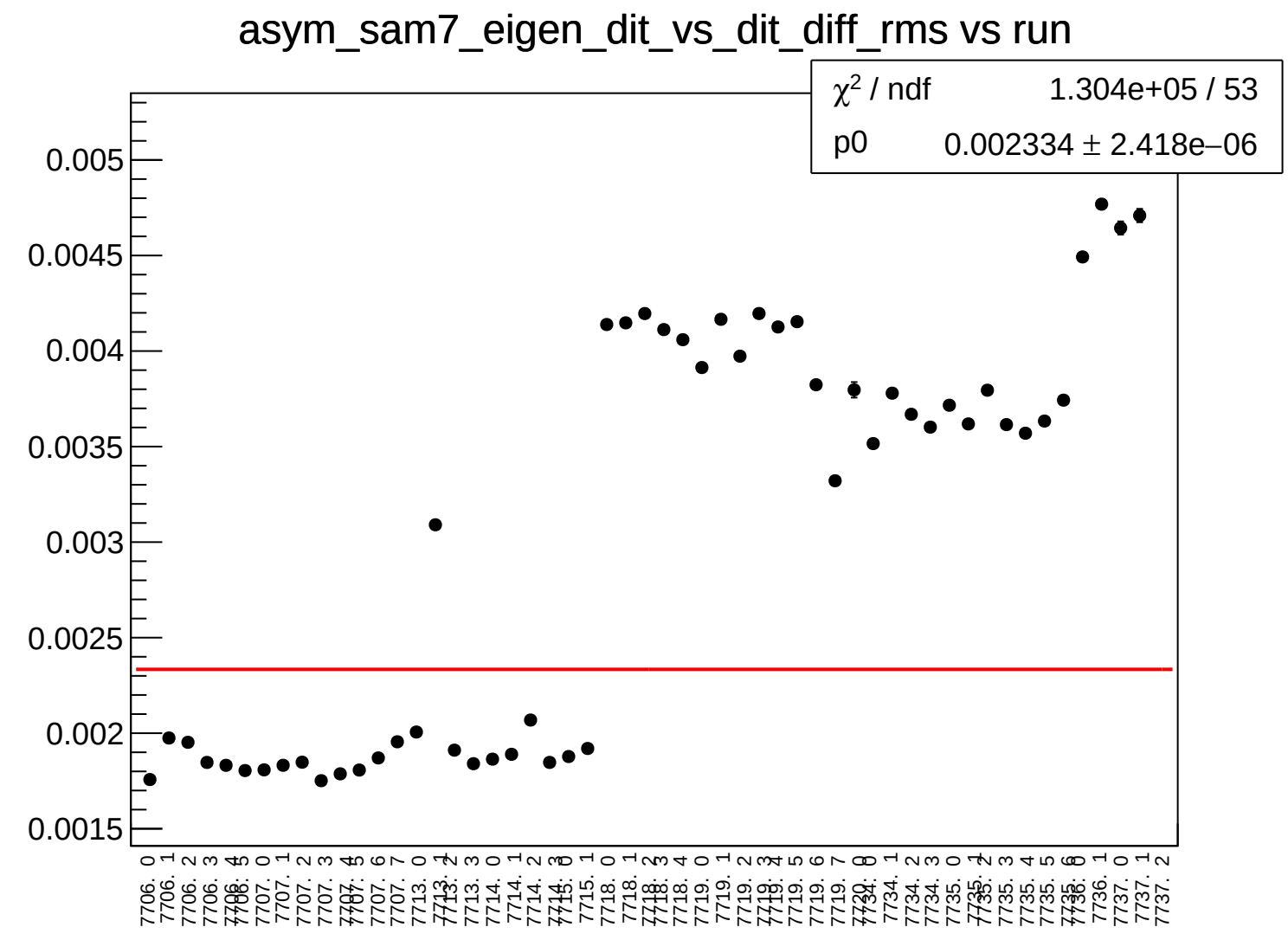

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.35 / 53
p0 0.05021 ± 0.046
pull
Entries 54
Mean −124.7
Std Dev 0

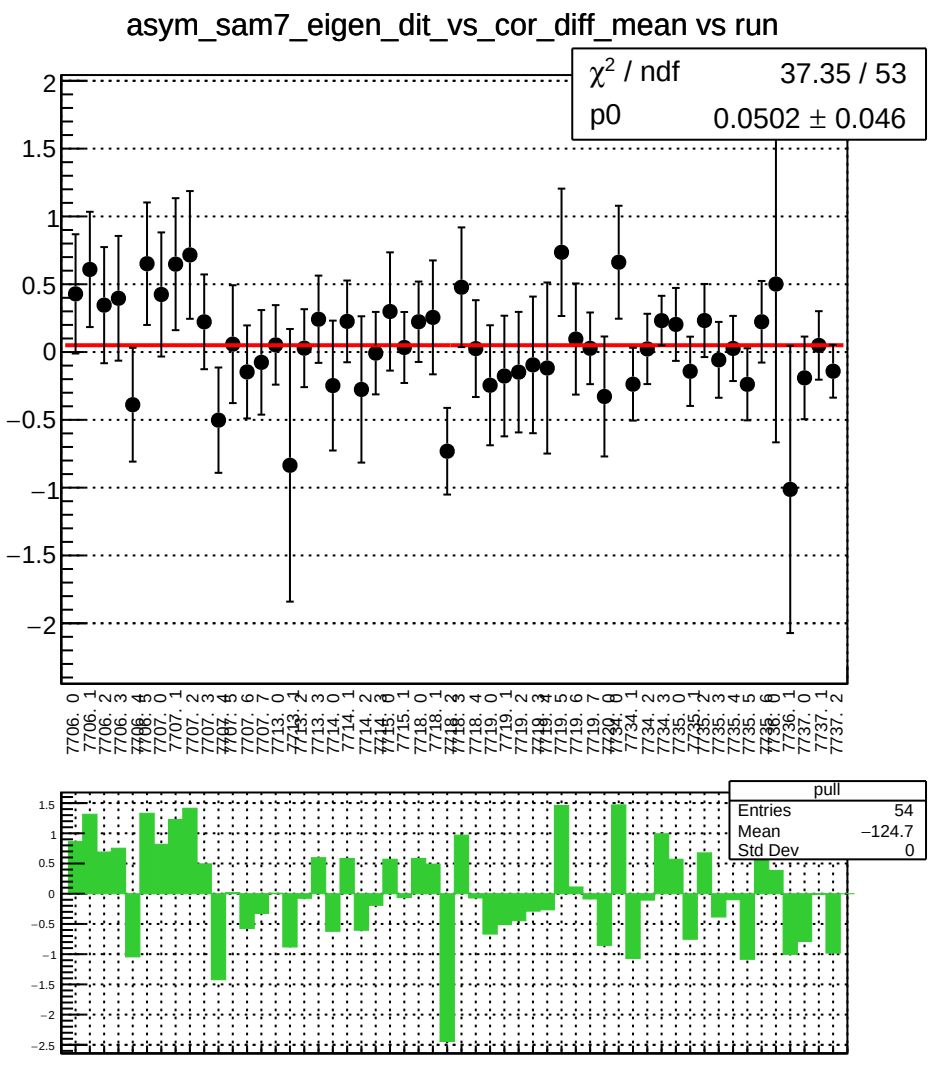

pull1D
Entries 54
Mean 0.02305
Std Dev 0.8314

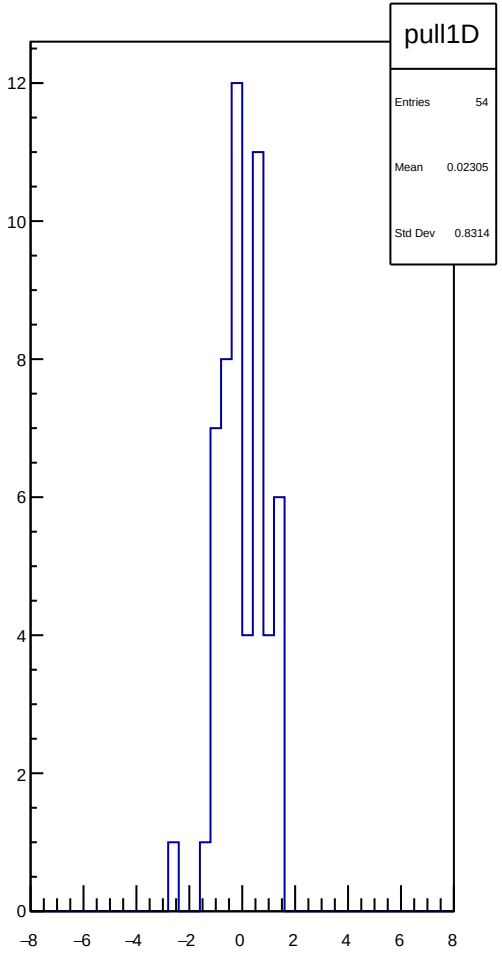

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.191e+04 / 53
p0 32.04 ± 0.03253
120
100
80
60
40
20

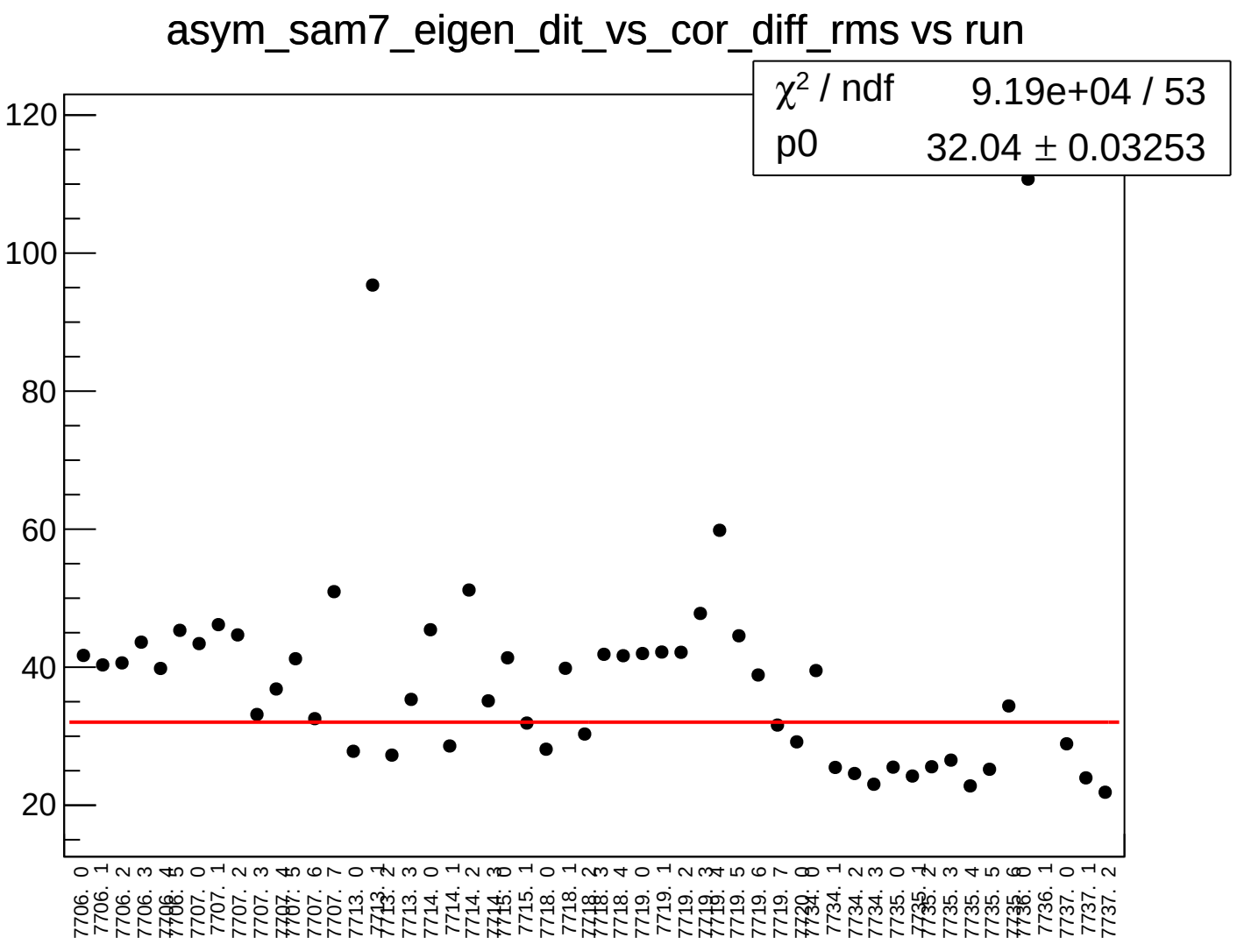

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.48 / 53
p0 −1.907e−06 ± 3.42e−06
pull
Entries 54
Mean 28.73
Std Dev 14.36

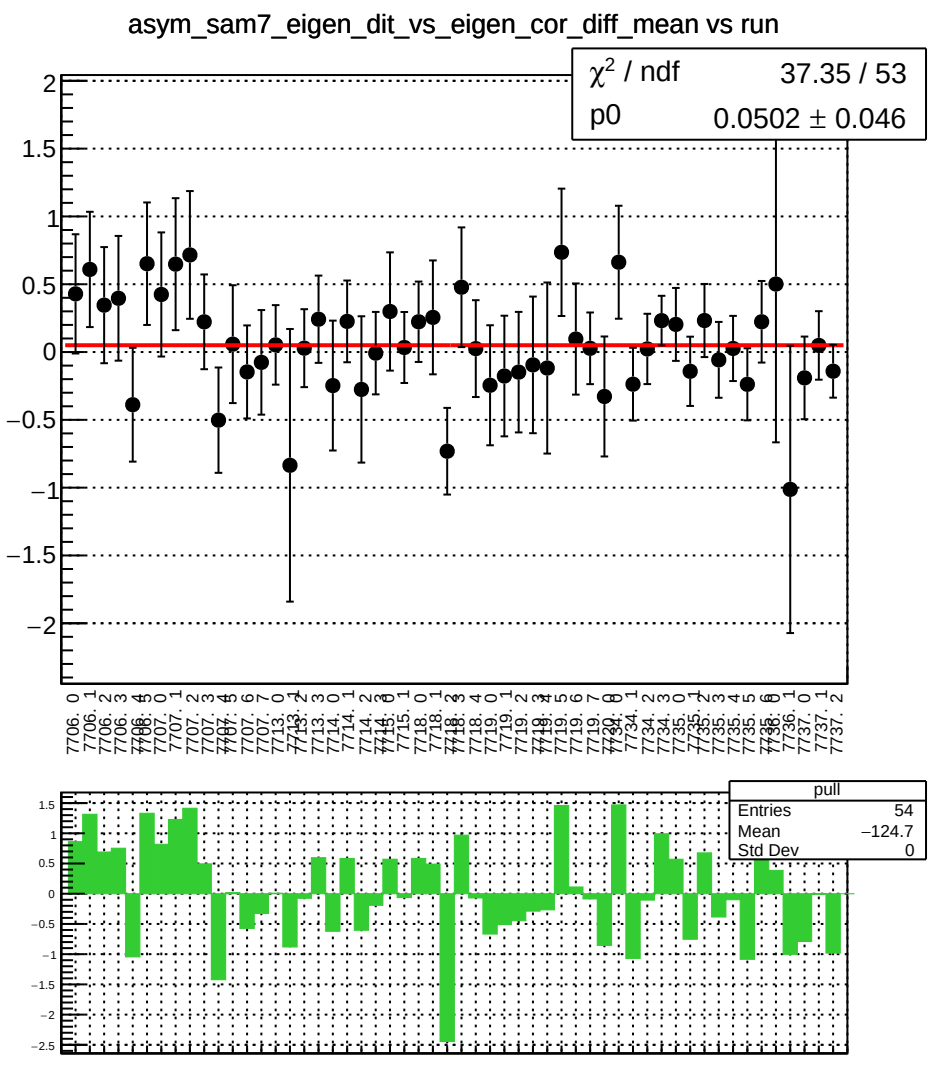

pull1D
Entries 54
Mean −0.03311
Std Dev 0.8213

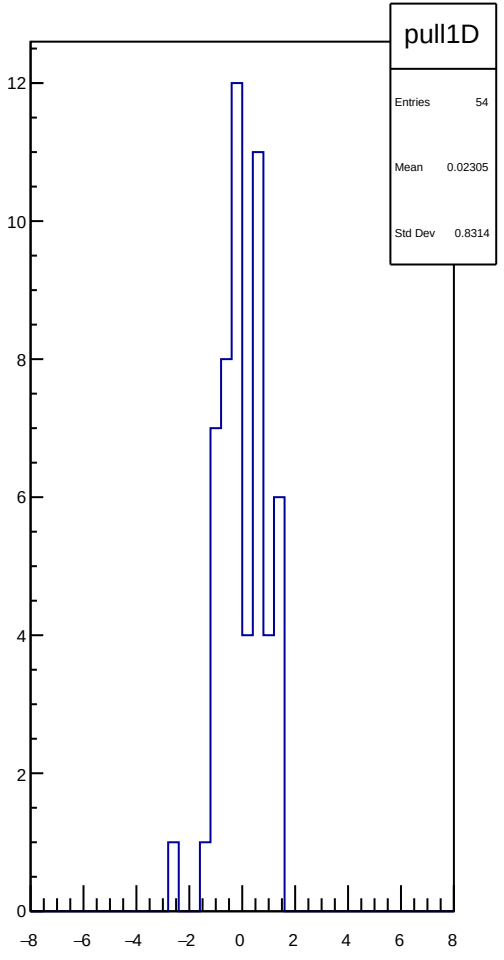

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.304e+05 / 53
p0 0.002334 ± 2.418e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

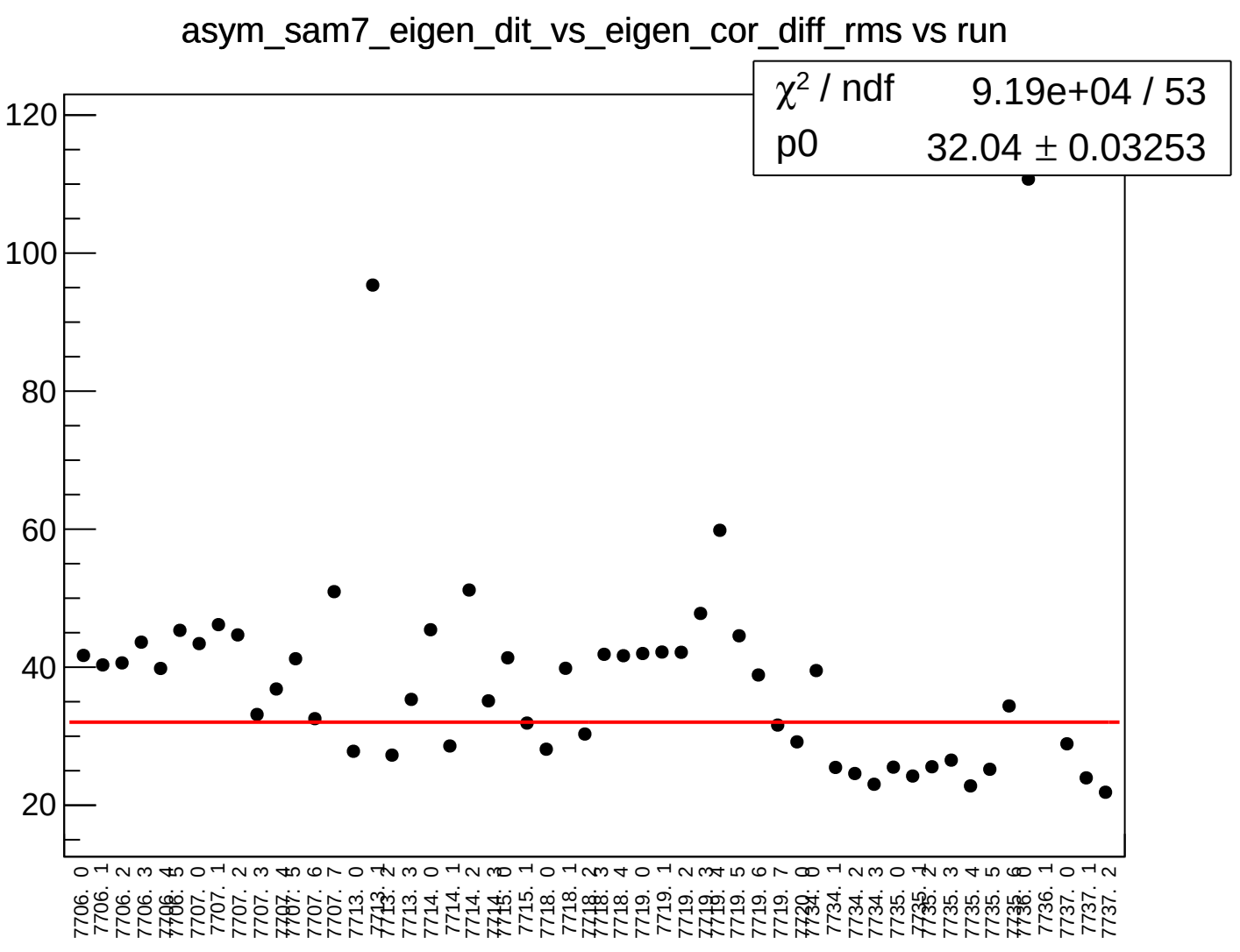

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.35 / 53
p0 0.0502 ± 0.046
pull
Entries 54
Mean −124.7
Std Dev 0

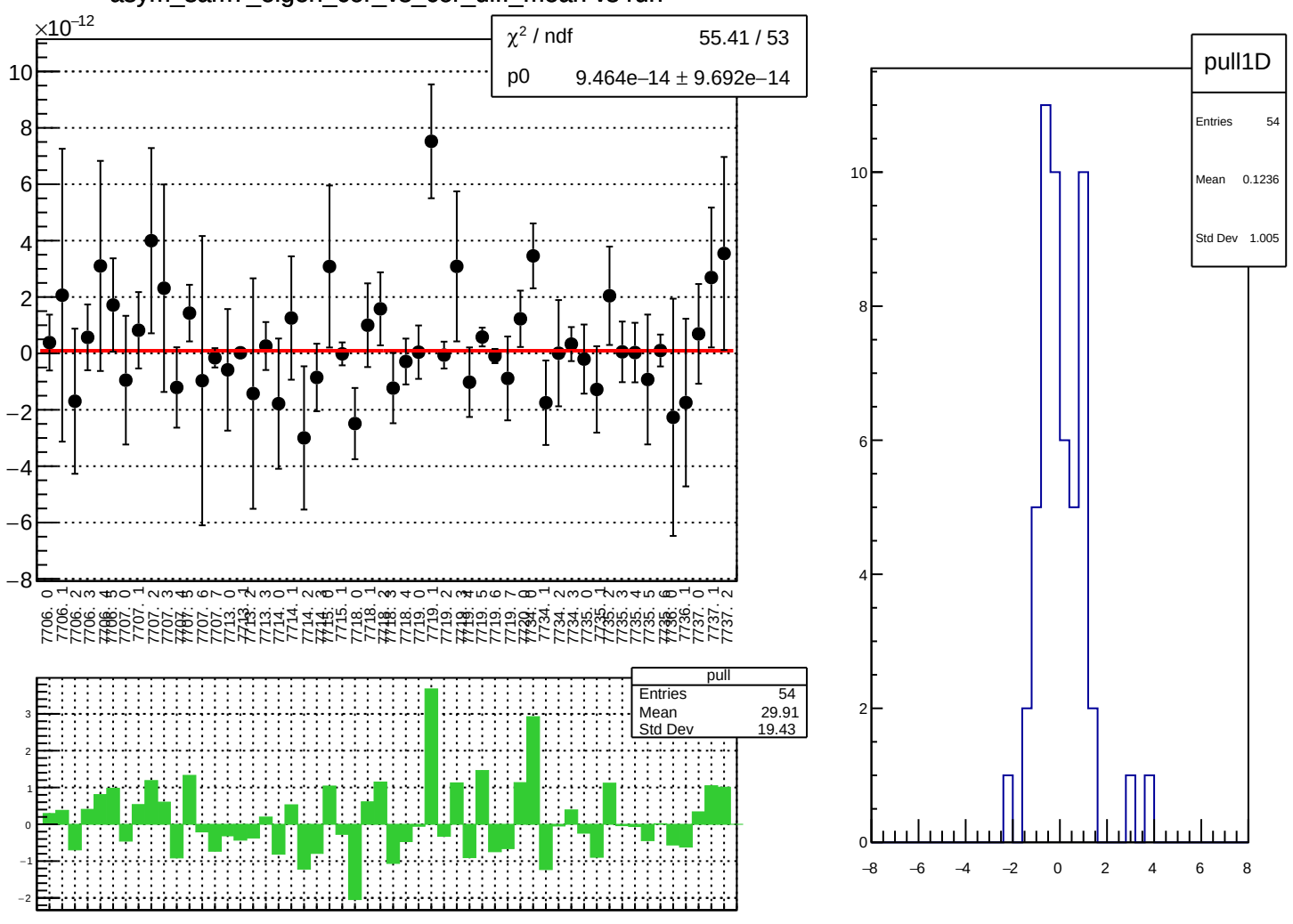

pull1D
Entries 54
Mean 0.02305
Std Dev 0.8314

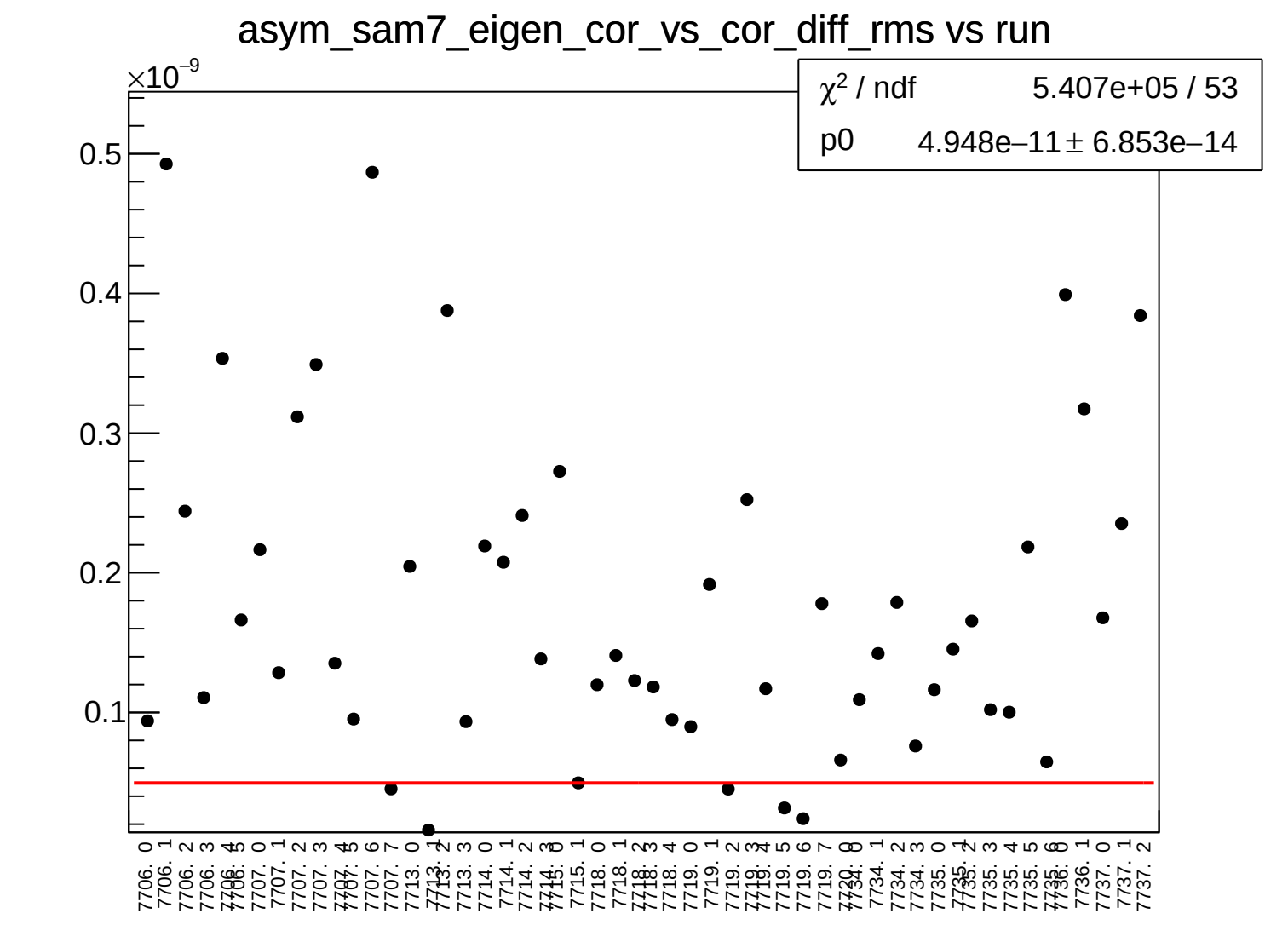

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.19e+04 / 53
p0 32.04 ± 0.03253
120
100
80
60
40
20

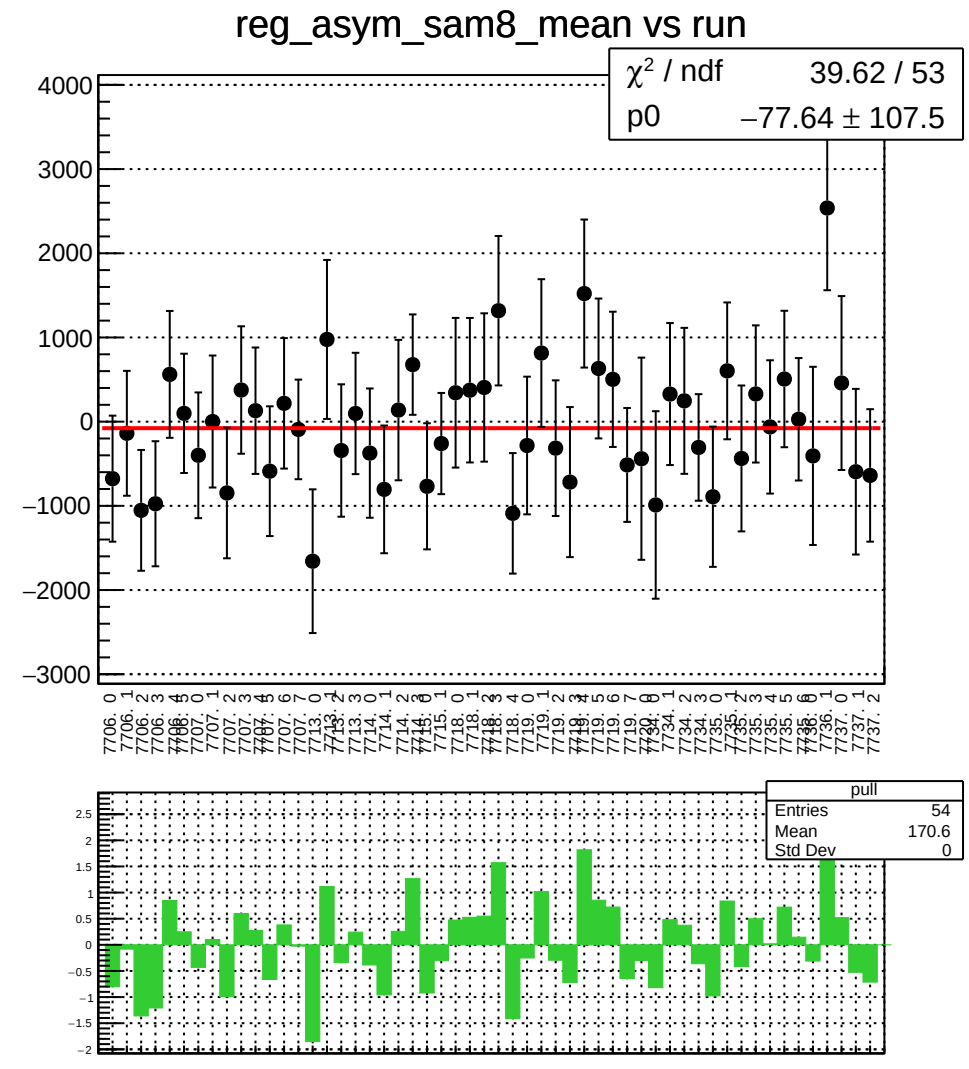

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.35 / 53
p0 0.0502 ± 0.046
pull
Entries 54
Mean −124.7
Std Dev 0

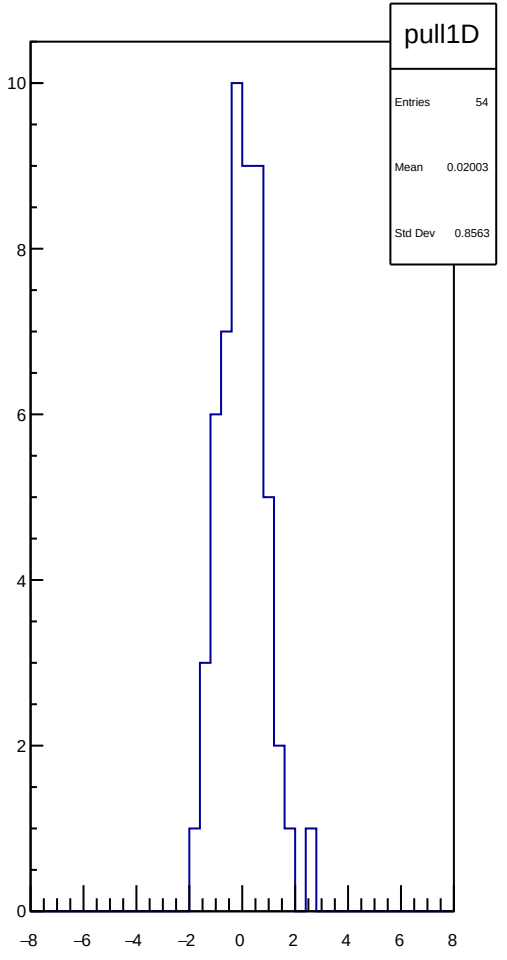

pull1D
Entries 54
Mean 0.02305
Std Dev 0.8314

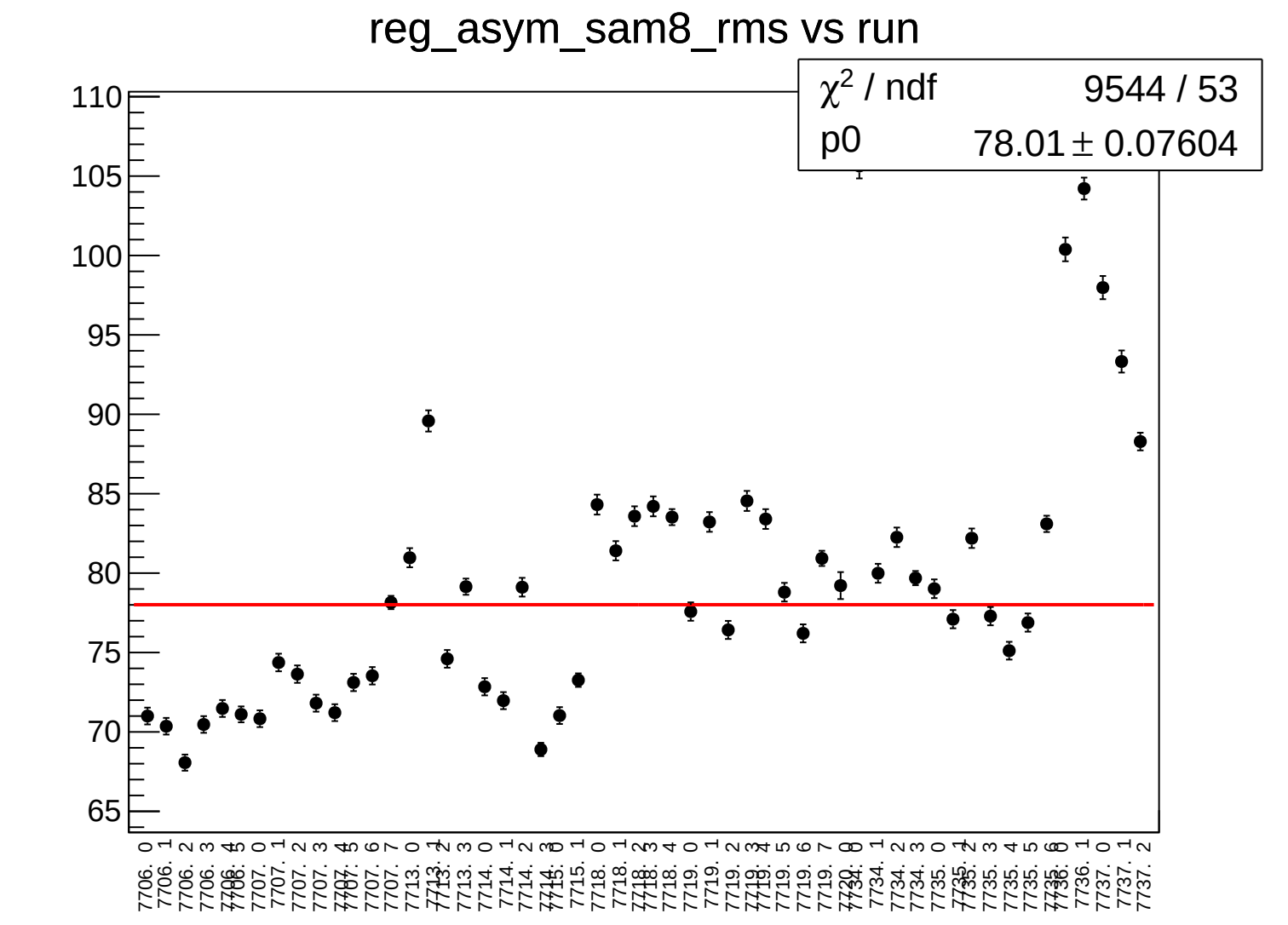

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.19e+04 / 53
p0 32.04 ± 0.03253
120
100
80
60
40
20

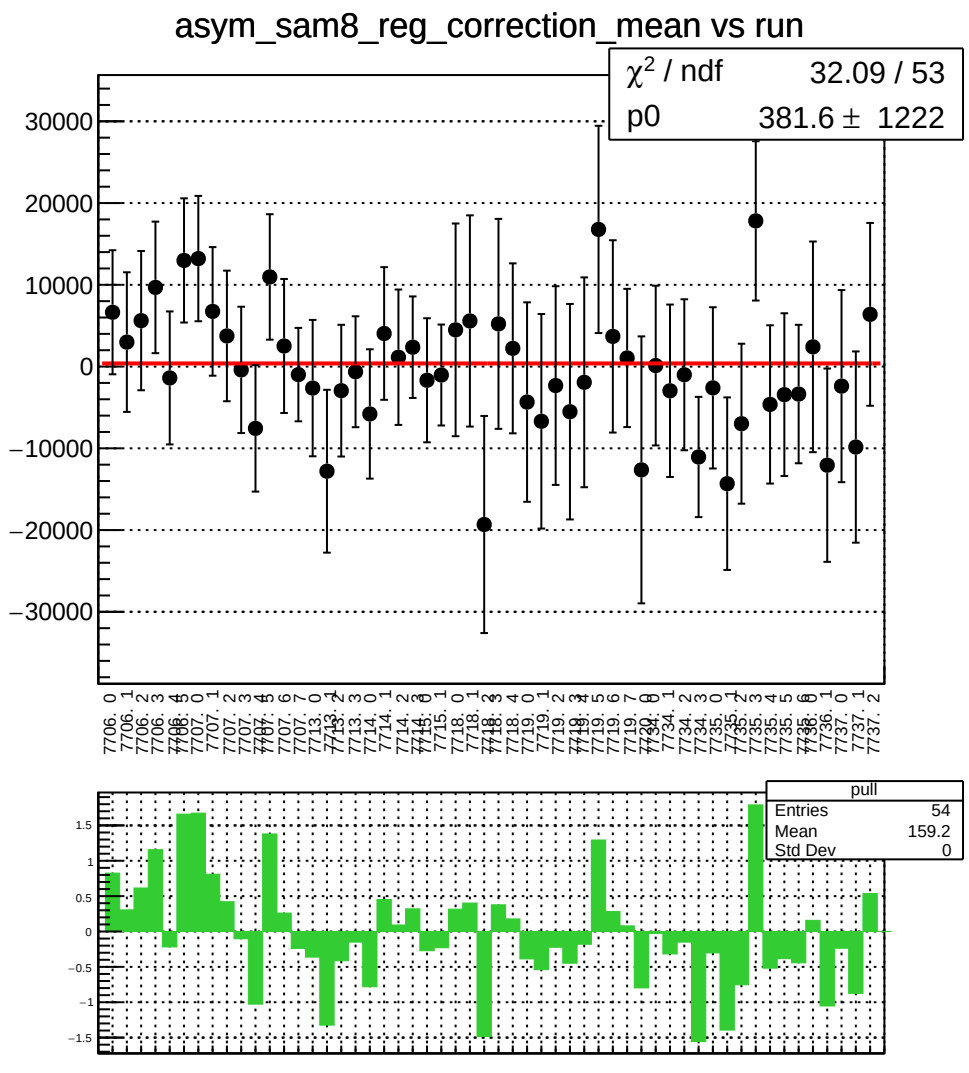

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.41 / 53
p0 9.464e−14 ± 9.692e−14
pull
Entries 54
Mean 29.91
Std Dev 19.43
pull1D
Entries 54
Mean 0.1236
Std Dev 1.005

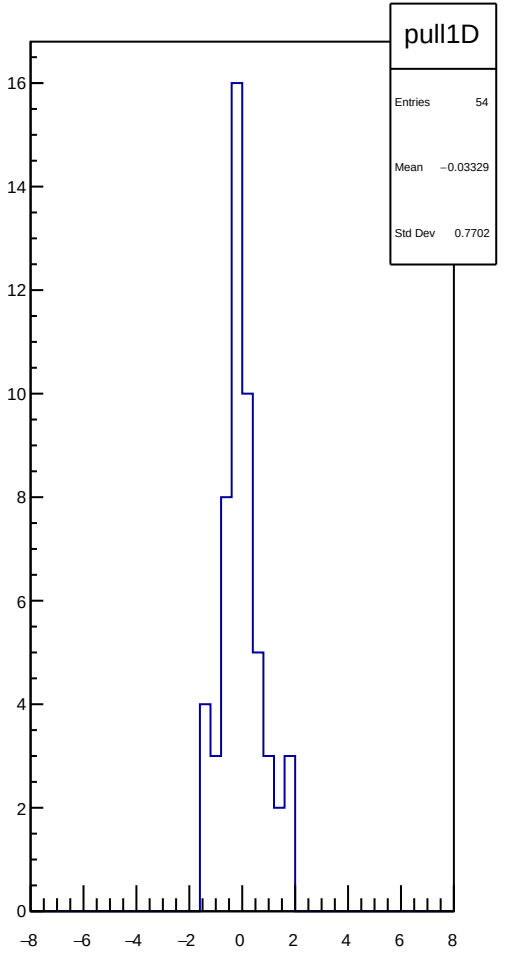

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.407e+05 / 53
p0 4.948e−11 ± 6.853e−14
0.5
0.4
0.3
0.2
0.1
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

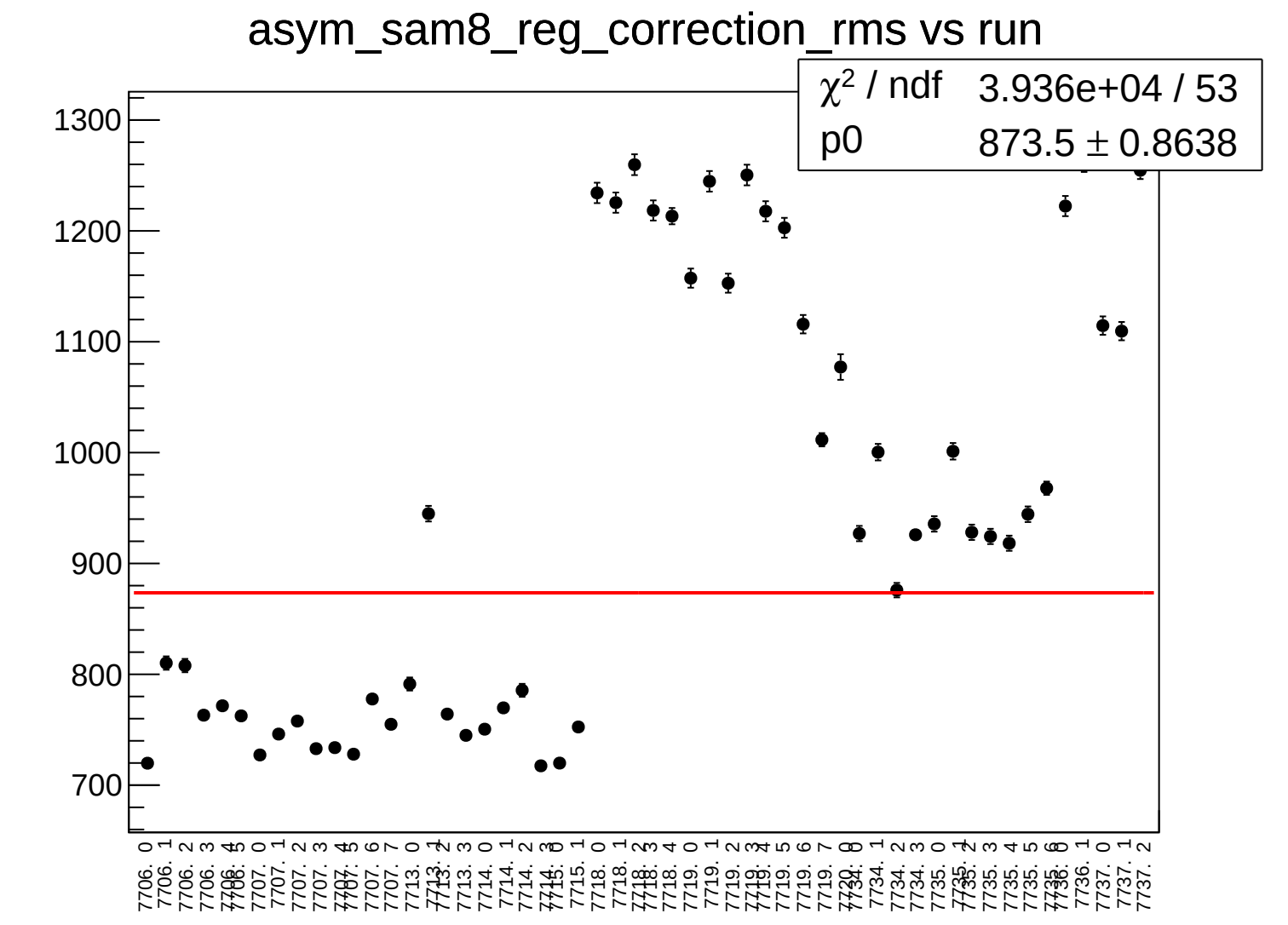

reg_asym_sam8_mean vs run
χ² / ndf 39.62 / 53
p0 −77.64 ± 107.5
pull
Entries 54
Mean 170.6
Std Dev 0

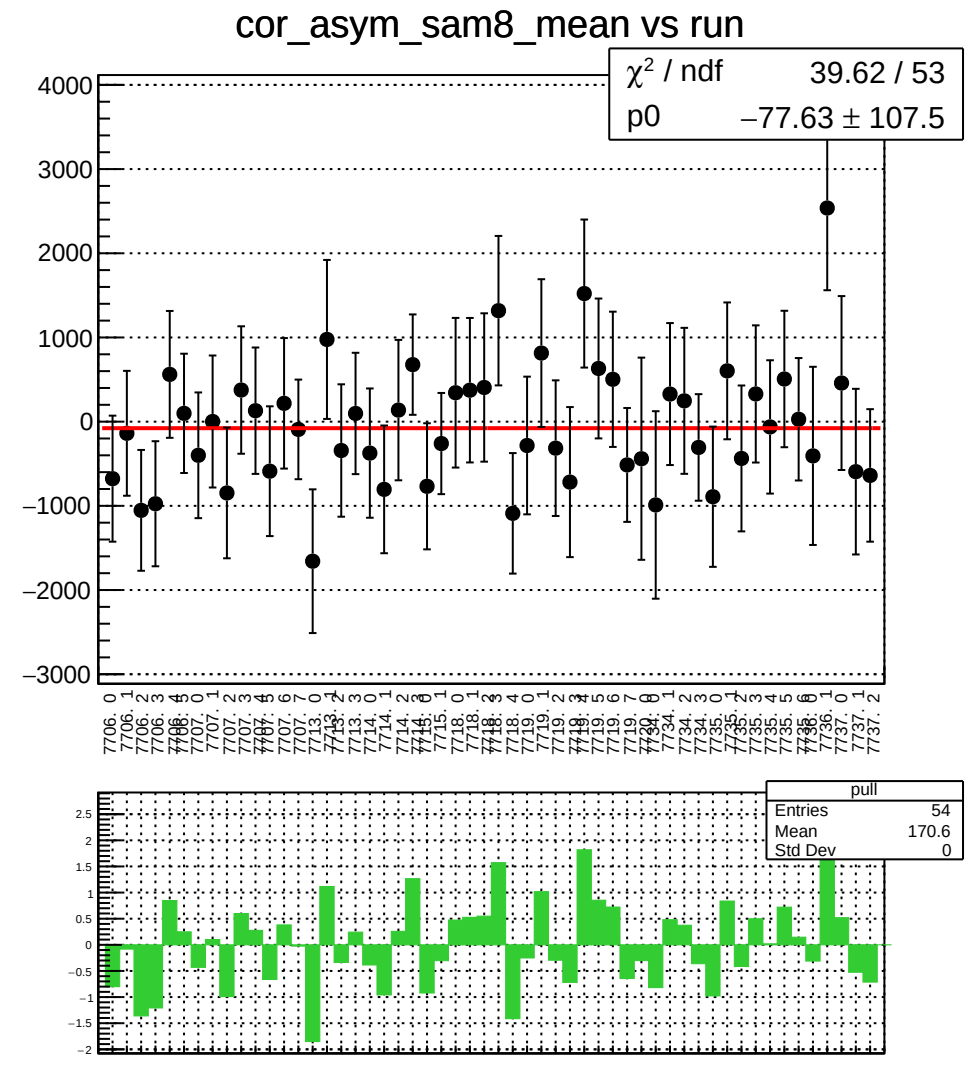

pull1D
Entries 54
Mean 0.02003
Std Dev 0.8563

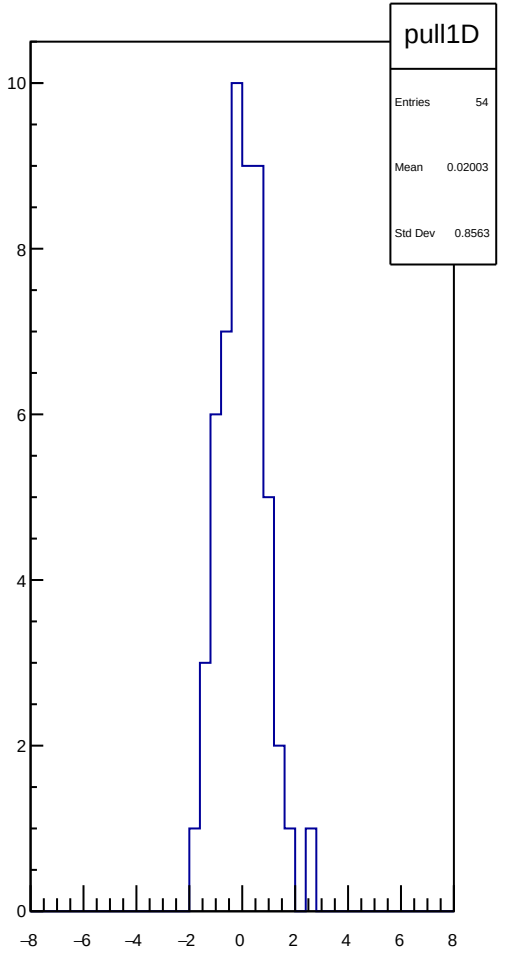

reg_asym_sam8_rms vs run
χ^2 / ndf 9544 / 53
p0 78.01 ± 0.07604
110
105
100
95
90
85
80
75
70
65

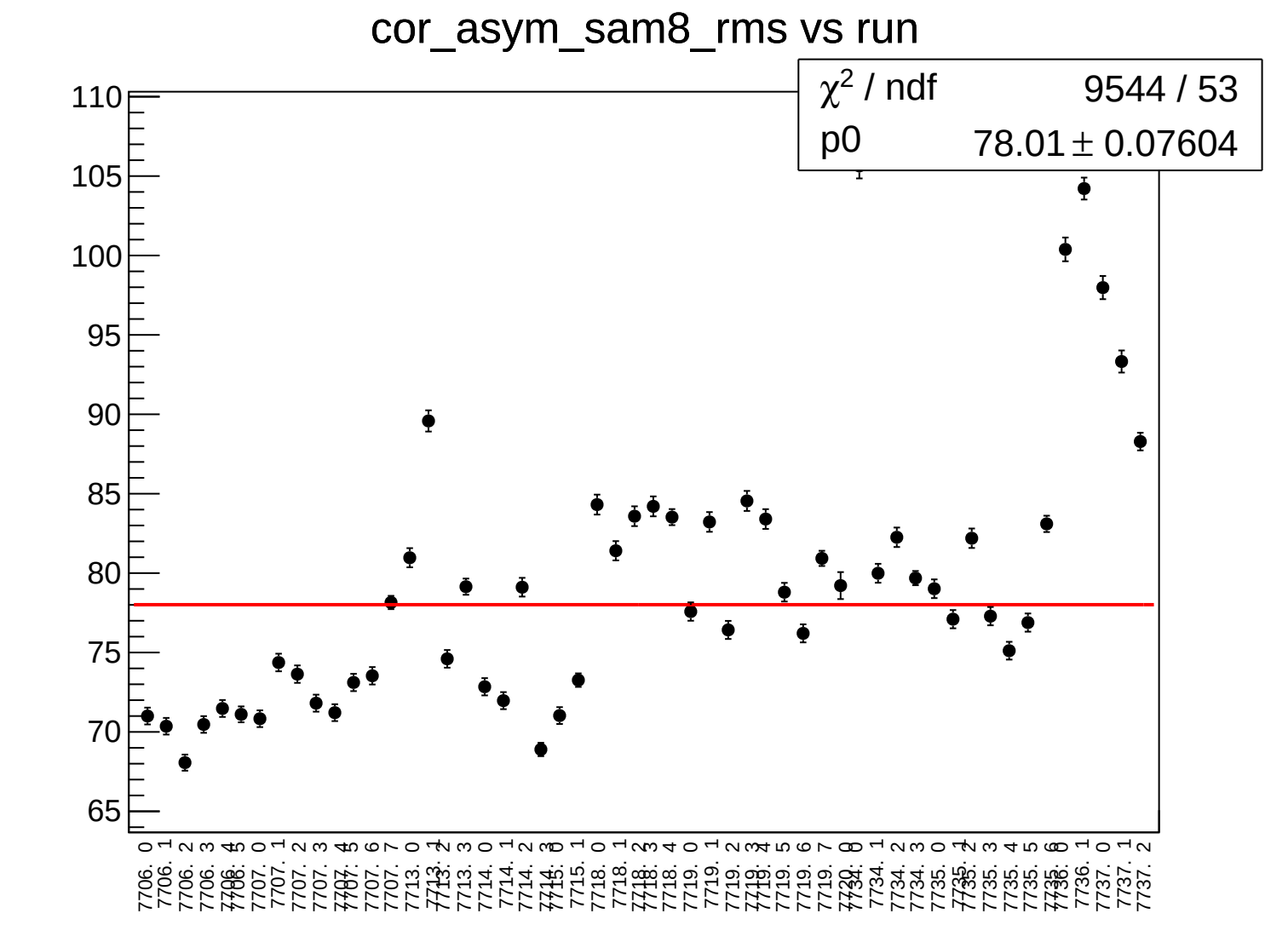

asym_sam8_reg_correction_mean vs run
χ² / ndf 32.09 / 53
p0 381.6 ± 1222
pull
Entries 54
Mean 159.2
Std Dev 0

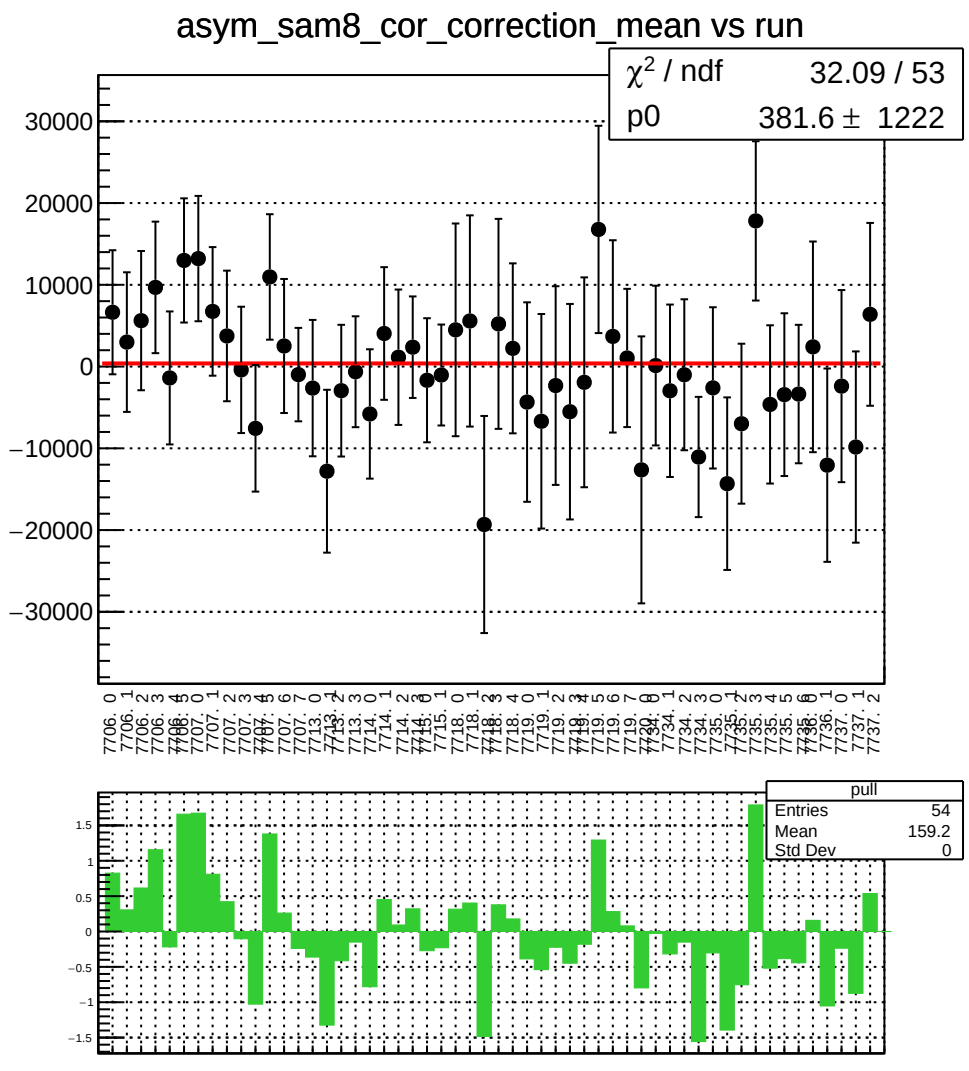

pull1D
Entries 54
Mean −0.03329
Std Dev 0.7702

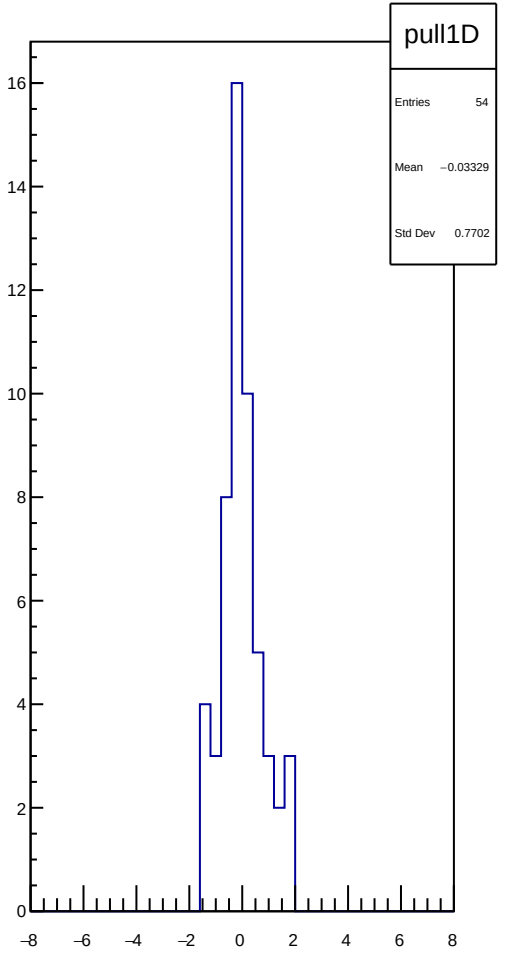

asym_sam8_reg_correction_rms vs run
χ² / ndf 3.936e+04 / 53
p0 873.5 ± 0.8638
1300
1200
1100
1000
900
800
700

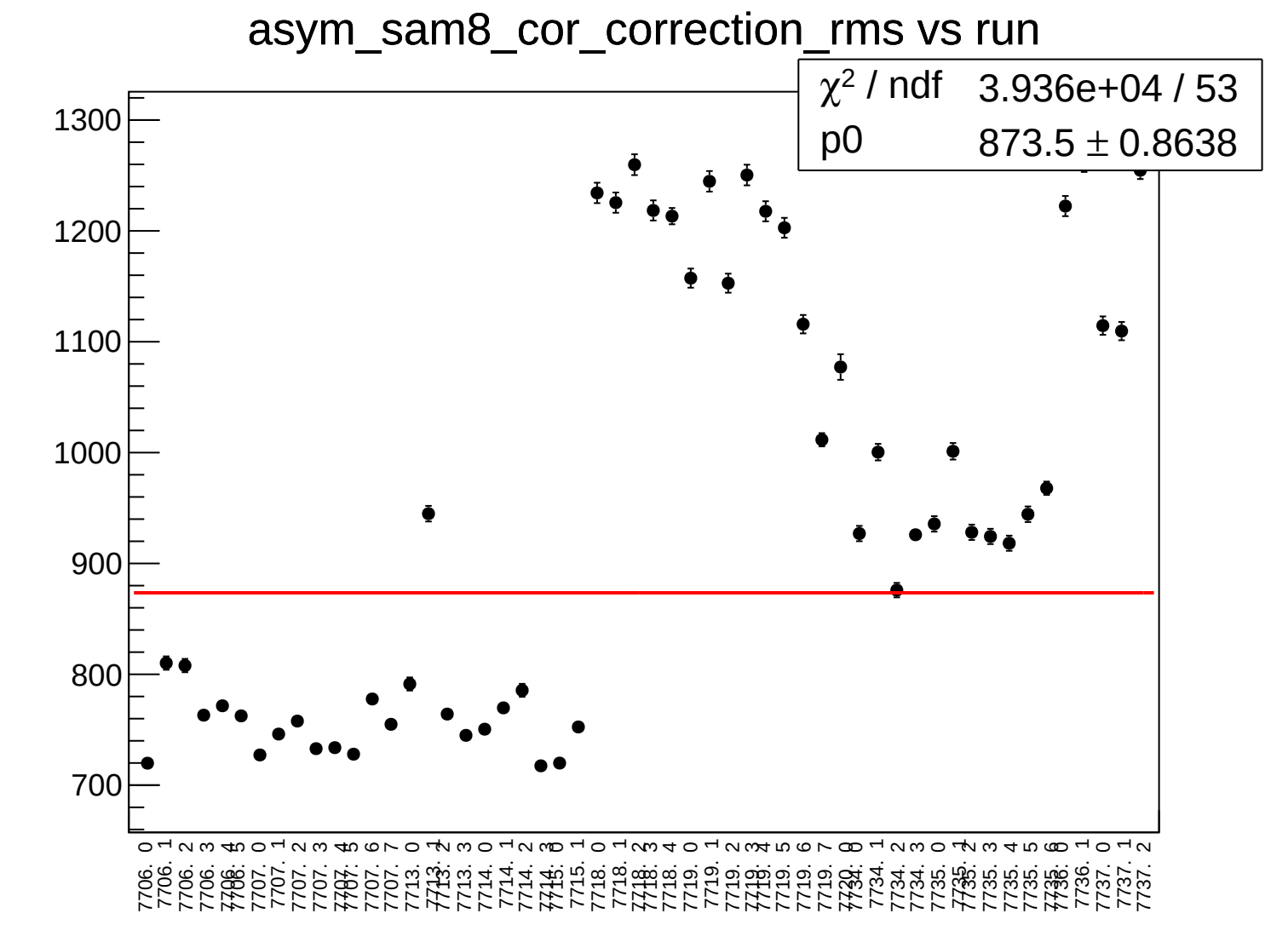

cor_asym_sam8_mean vs run
χ² / ndf 39.62 / 53
p0 −77.63 ± 107.5
pull
Entries 54
Mean 170.6
Std Dev 0

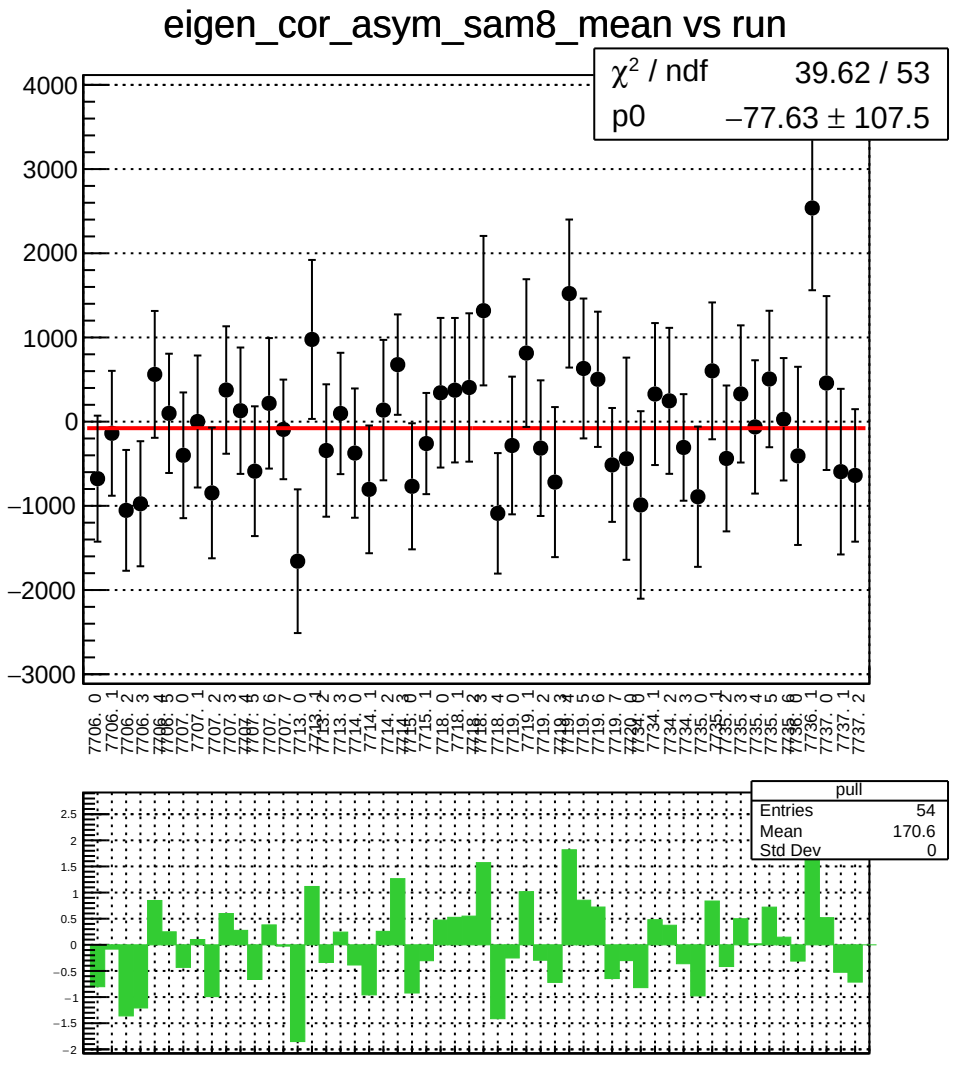

pull1D
Entries 54
Mean 0.02003
Std Dev 0.8563

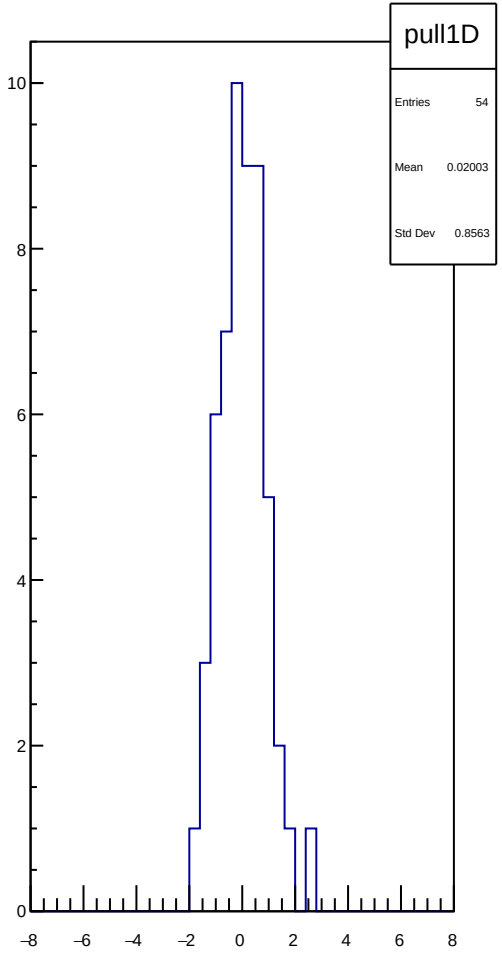

cor_asym_sam8_rms vs run
χ^2 / ndf 9544 / 53
p0 78.01 ± 0.07604
110
105
100
95
90
85
80
75
70
65
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

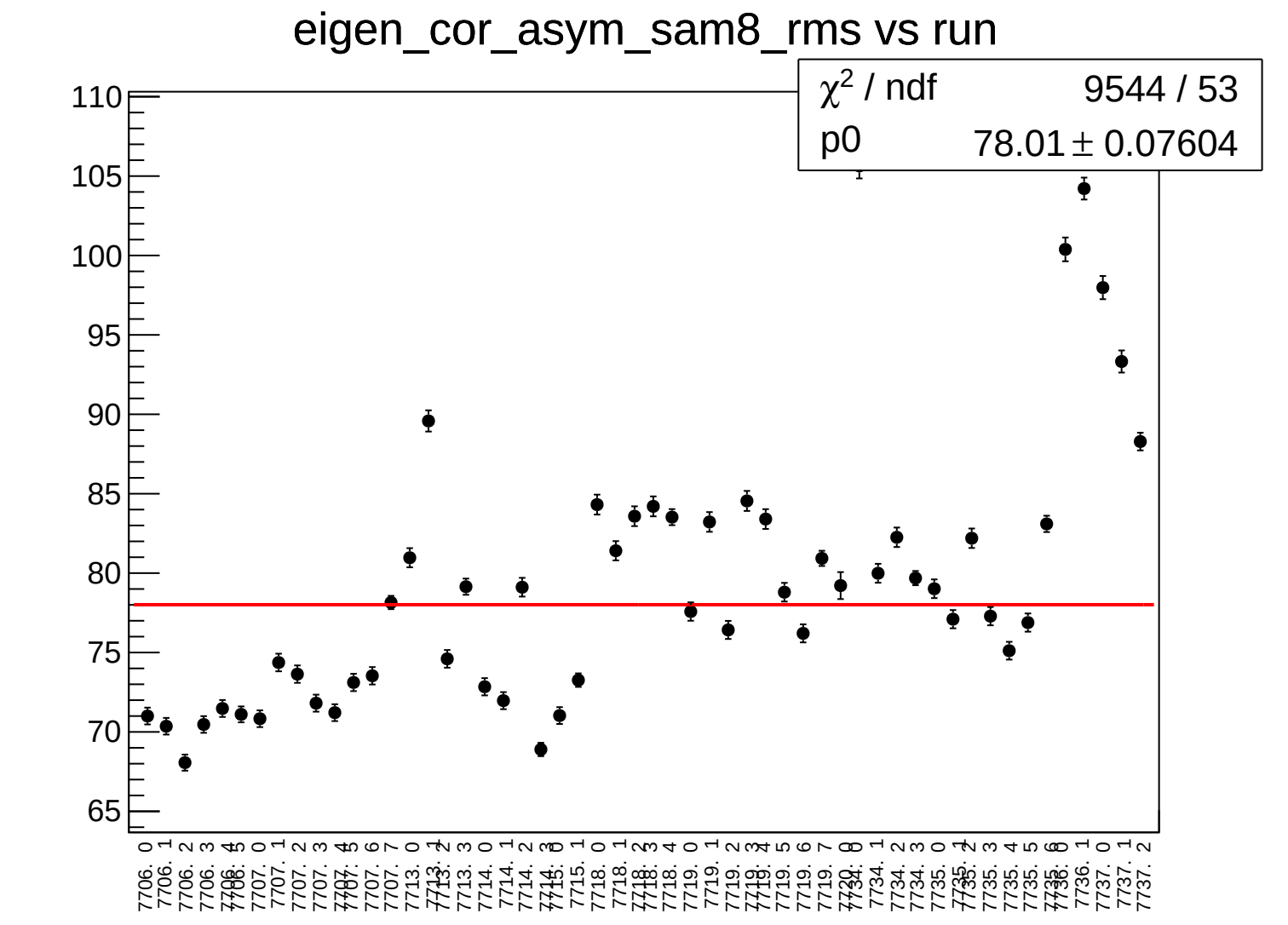

asym_sam8_cor_correction_mean vs run
χ² / ndf 32.09 / 53
p0 381.6 ± 1222
pull
Entries 54
Mean 159.2
Std Dev 0

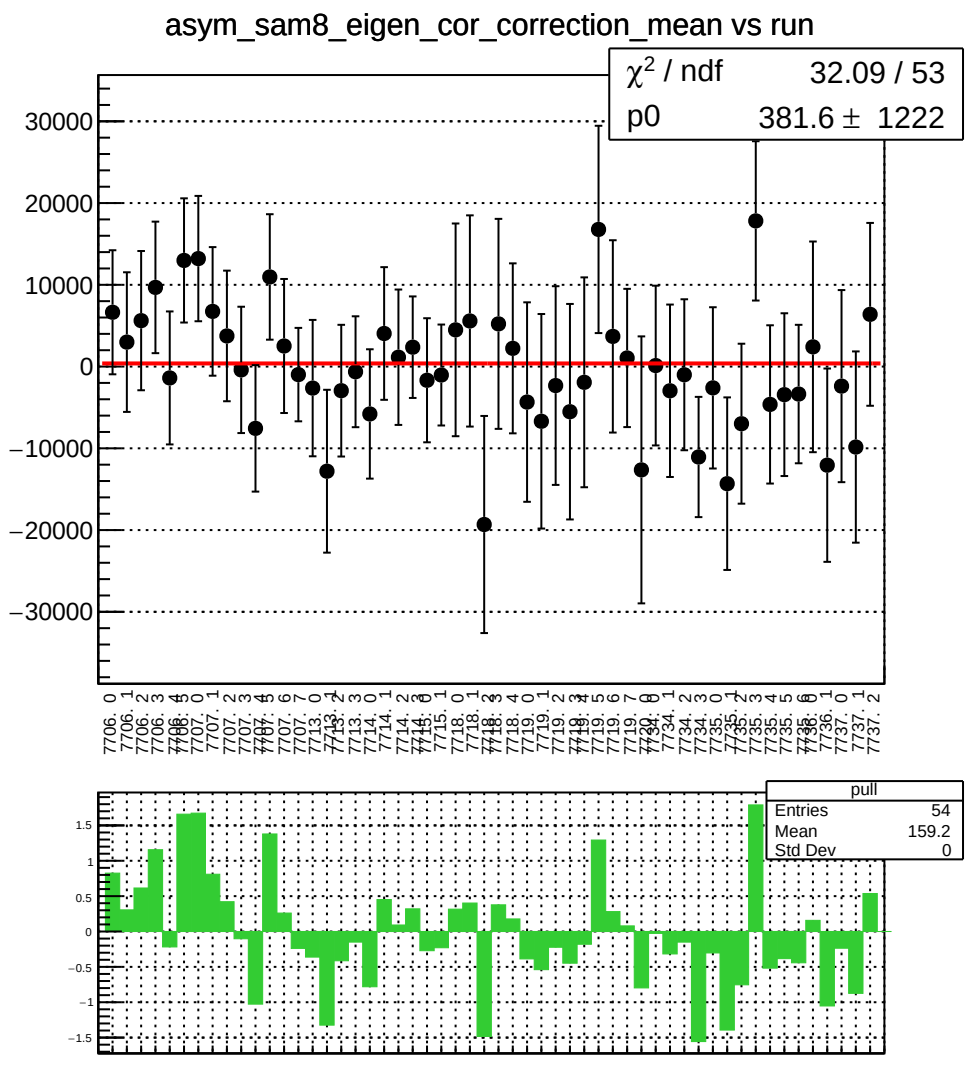

pull1D
Entries 54
Mean −0.03329
Std Dev 0.7702

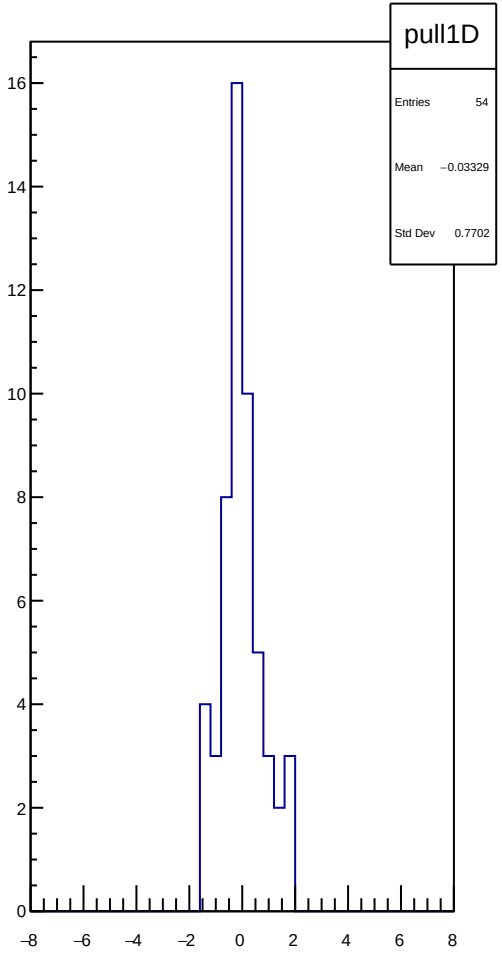

asym_sam8_cor_correction_rms vs run
χ² / ndf 3.936e+04 / 53
p0 873.5 ± 0.8638
1300
1200
1100
1000
900
800
700

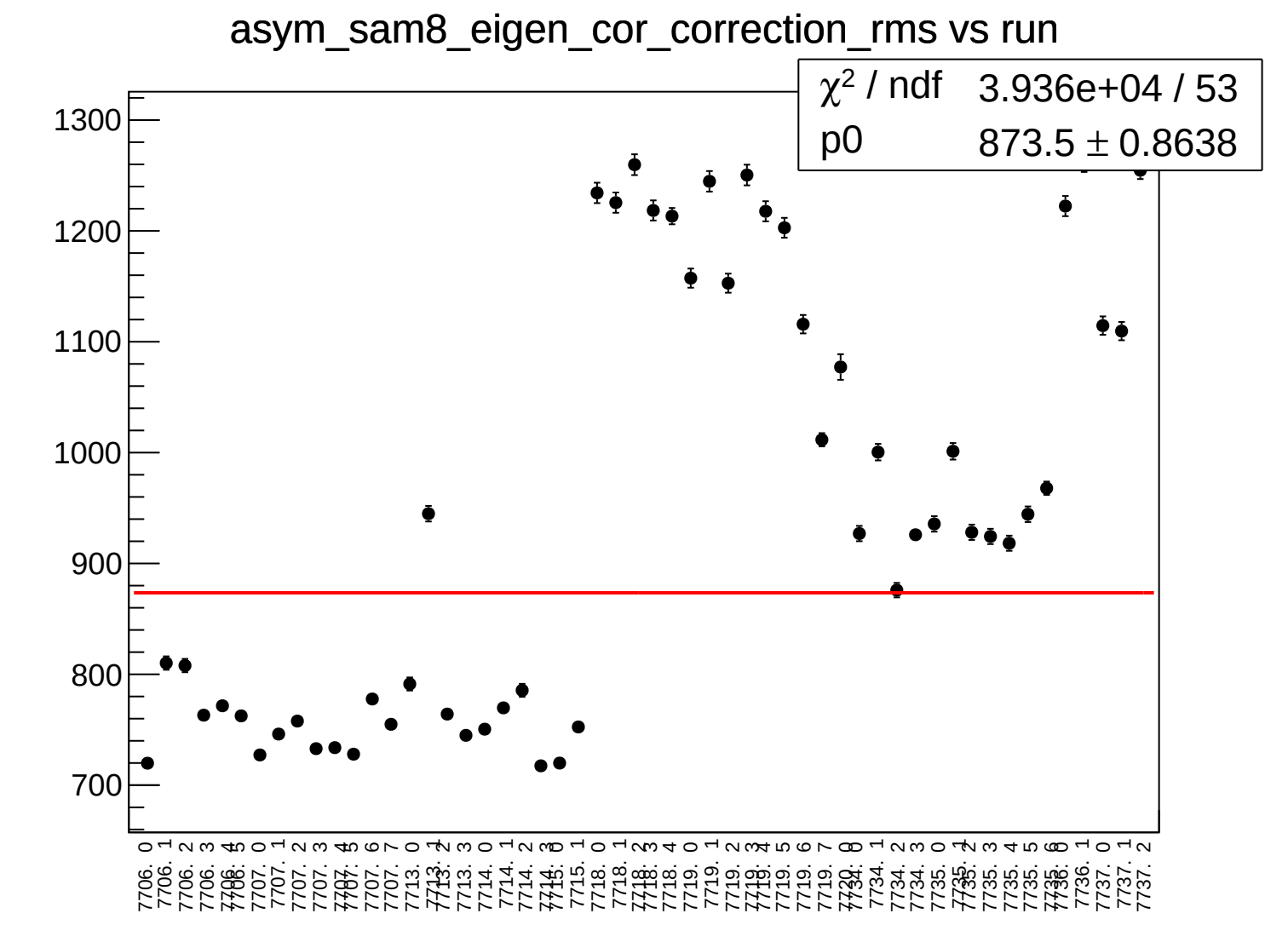

eigen_cor_asym_sam8_mean vs run
χ² / ndf 39.62 / 53
p0 −77.63 ± 107.5
pull
Entries 54
Mean 170.6
Std Dev 0

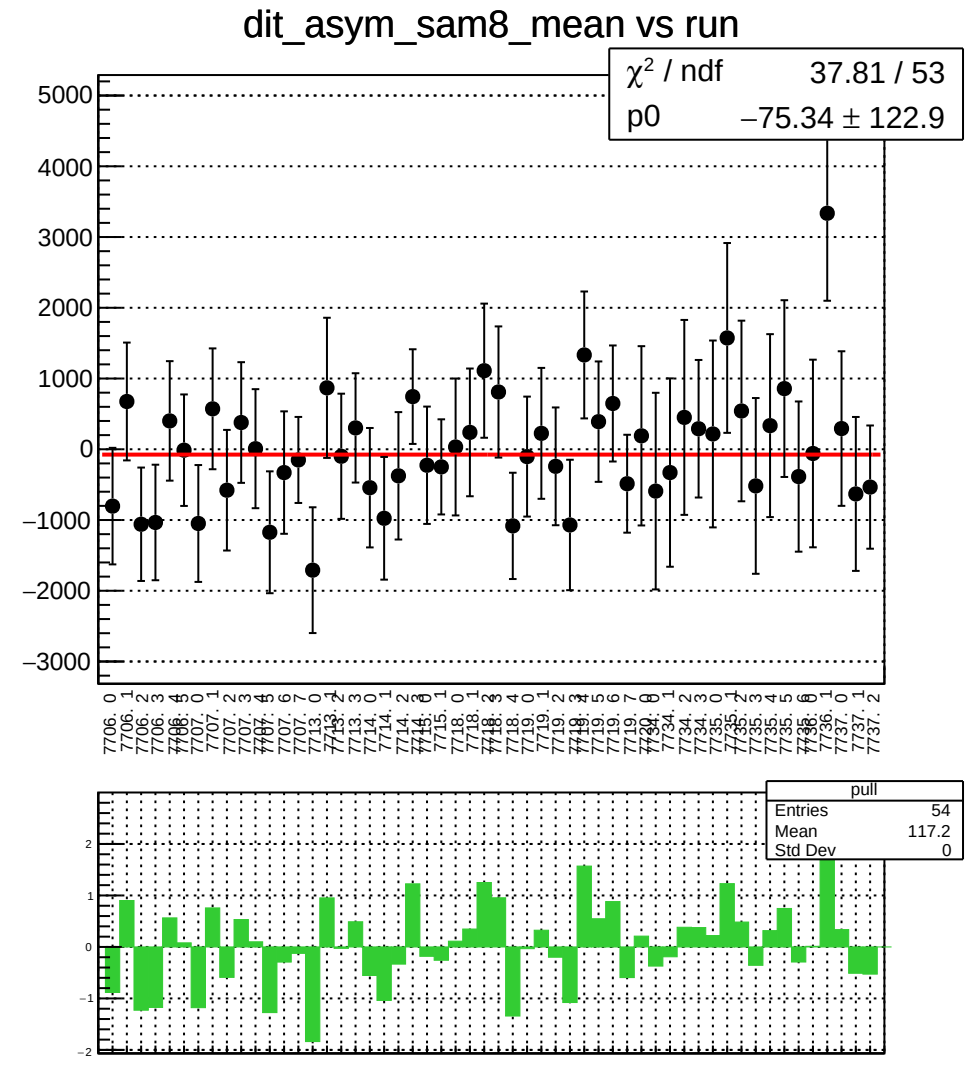

pull1D
Entries 54
Mean 0.02003
Std Dev 0.8563

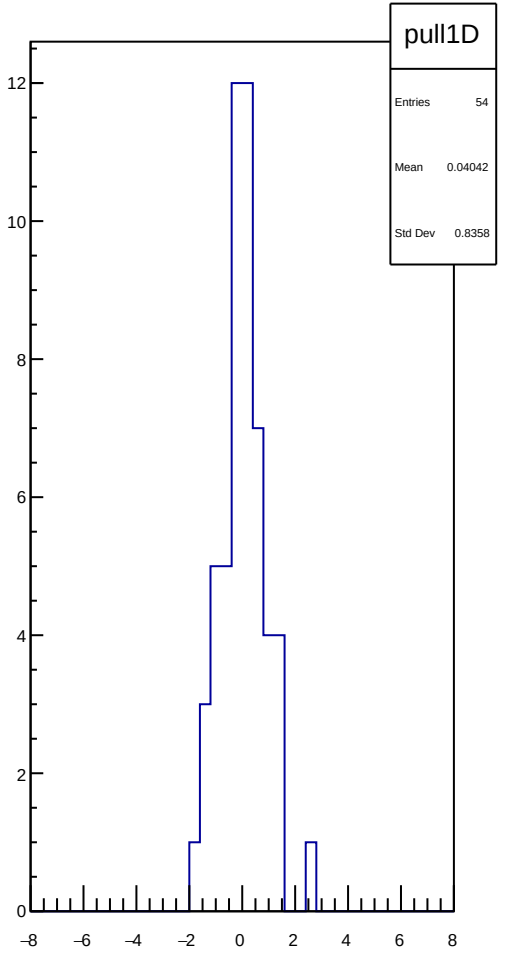

eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 9544 / 53
p0 78.01 ± 0.07604
110
105
100
95
90
85
80
75
70
65

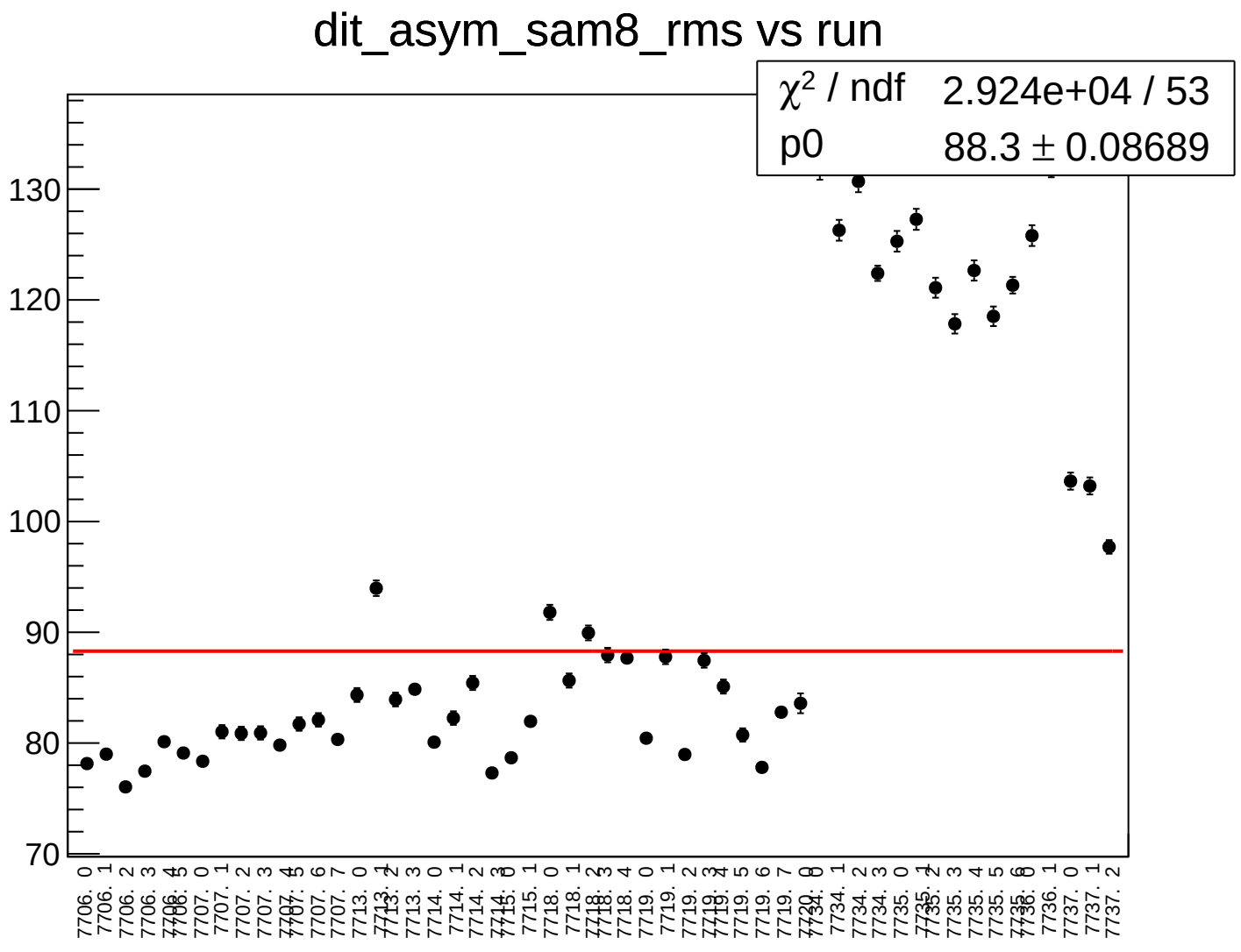

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 32.09 / 53
p0 381.6 ± 1222
pull
Entries 54
Mean 159.2
Std Dev 0

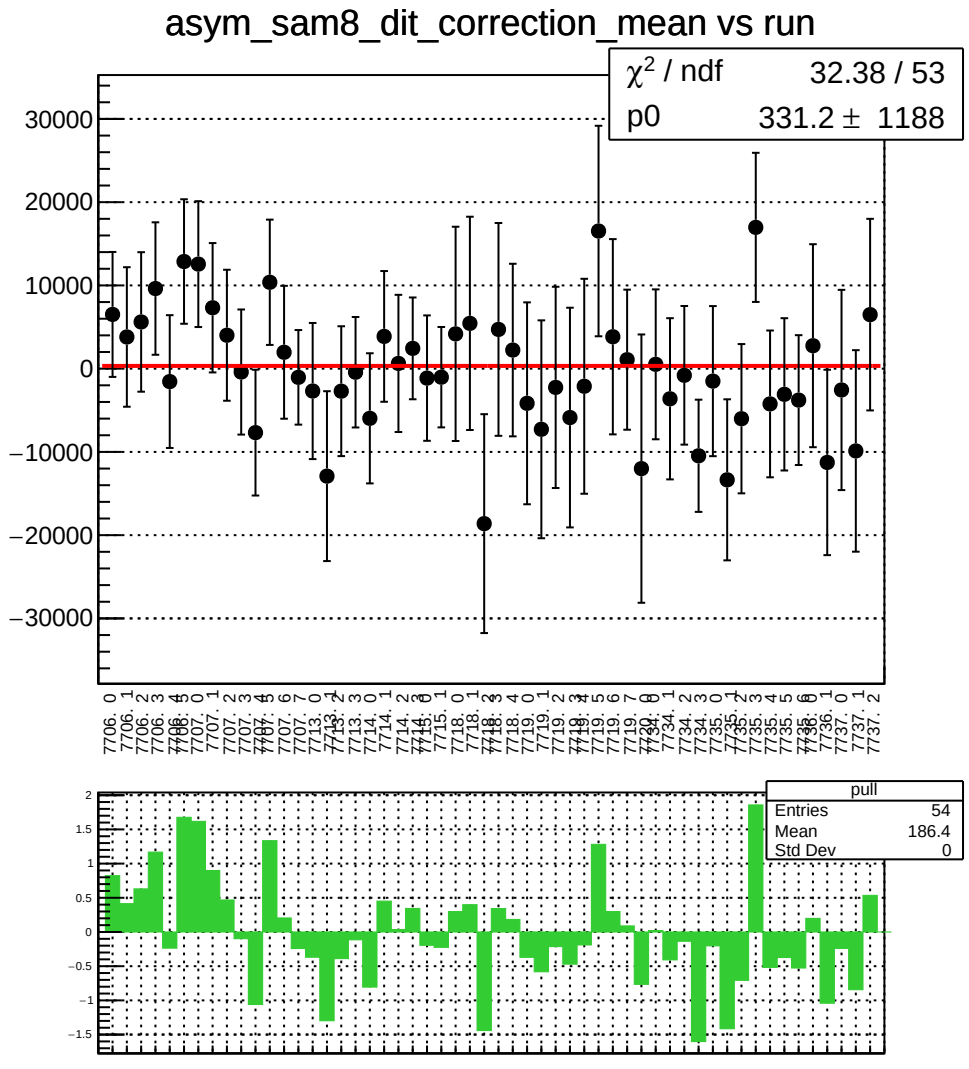

pull1D
Entries 54
Mean −0.03329
Std Dev 0.7702

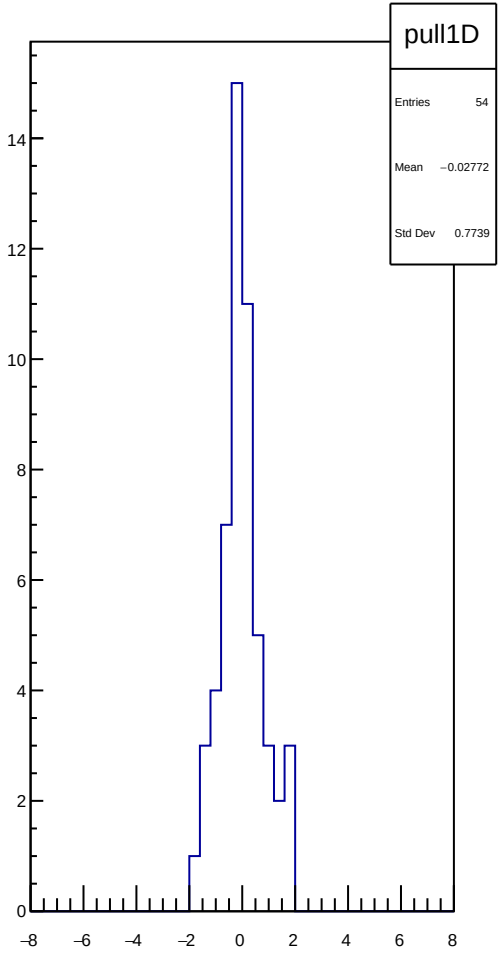

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 3.936e+04 / 53
p0 873.5 ± 0.8638
1300
1200
1100
1000
900
800
700

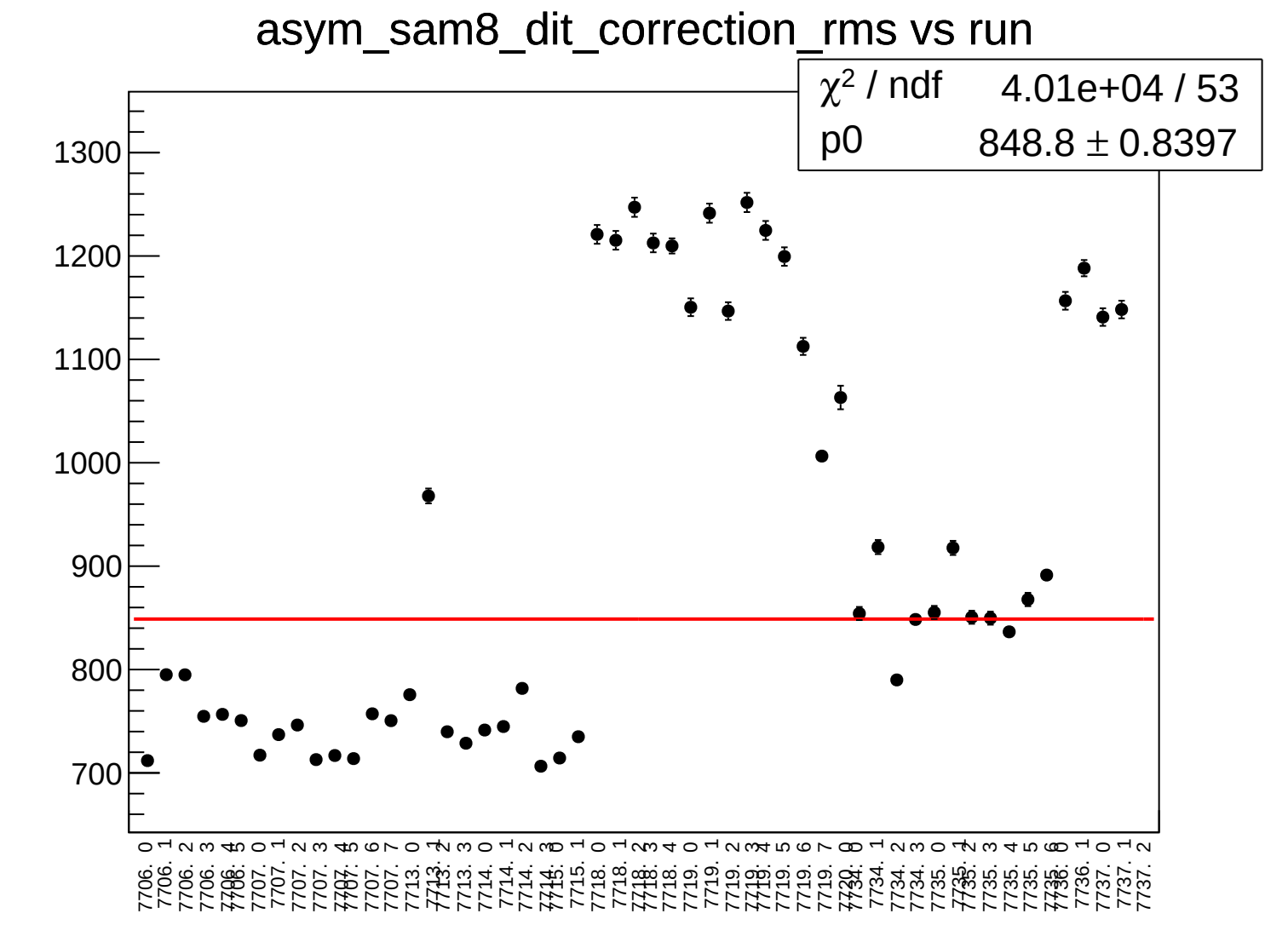

dit_asym_sam8_mean vs run
χ² / ndf 37.81 / 53
p0 −75.34 ± 122.9
pull
Entries 54
Mean 117.2
Std Dev 0

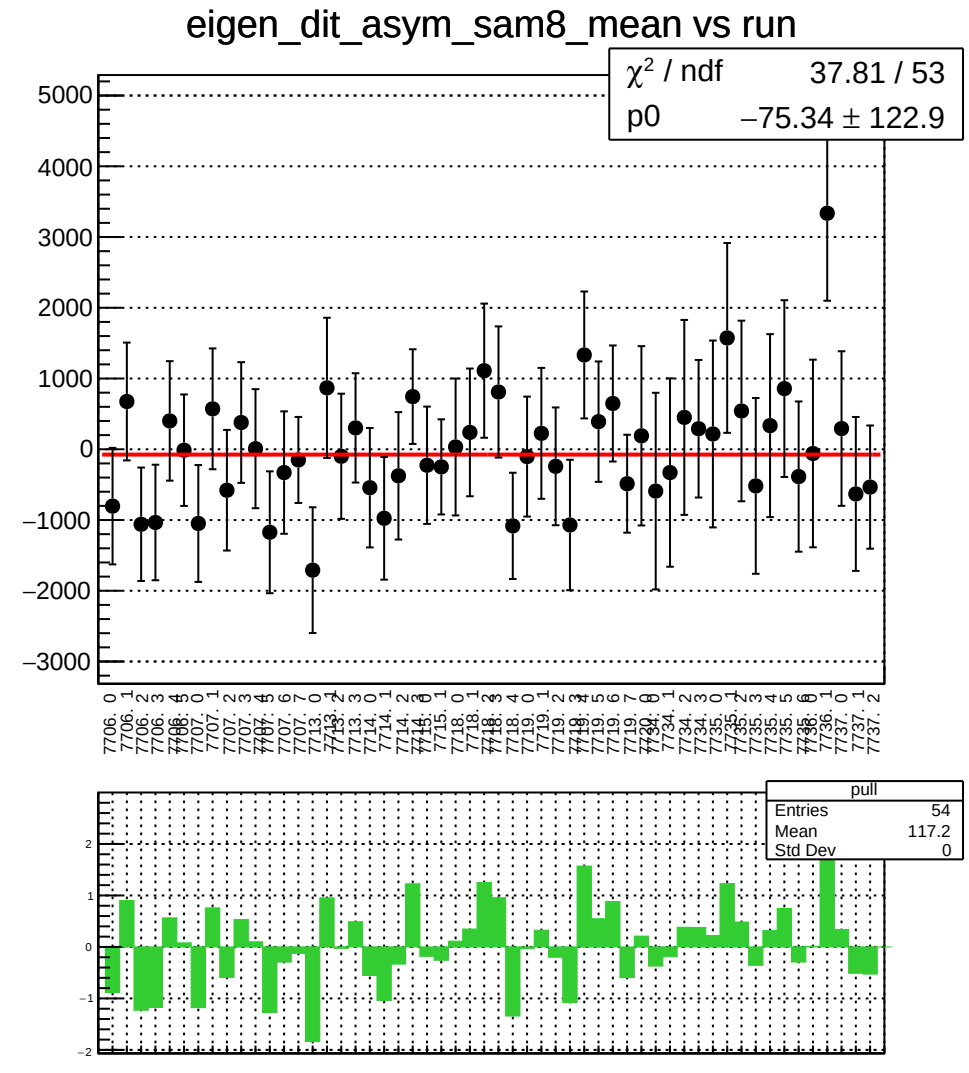

pull1D
Entries 54
Mean 0.04042
Std Dev 0.8358

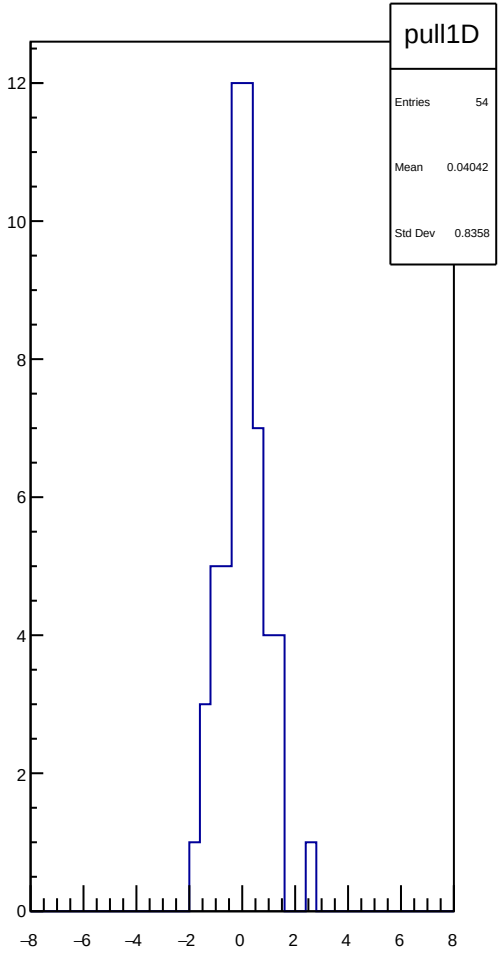

dit_asym_sam8_rms vs run
χ² / ndf 2.924e+04 / 53
p0 88.3 ± 0.08689
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

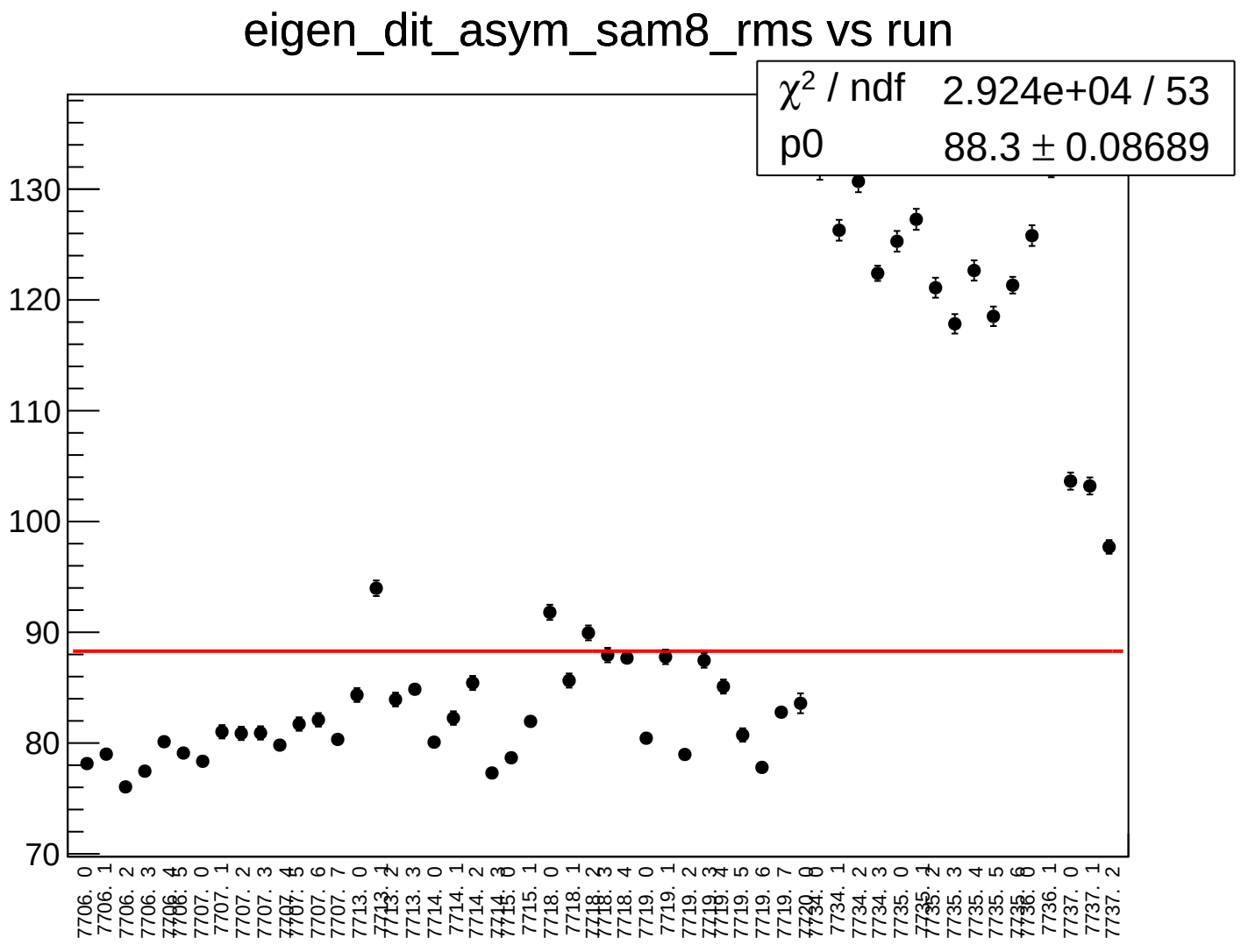

asym_sam8_dit_correction_mean vs run
χ² / ndf 32.38 / 53
p0 331.2 ± 1188
pull
Entries 54
Mean 186.4
Std Dev 0

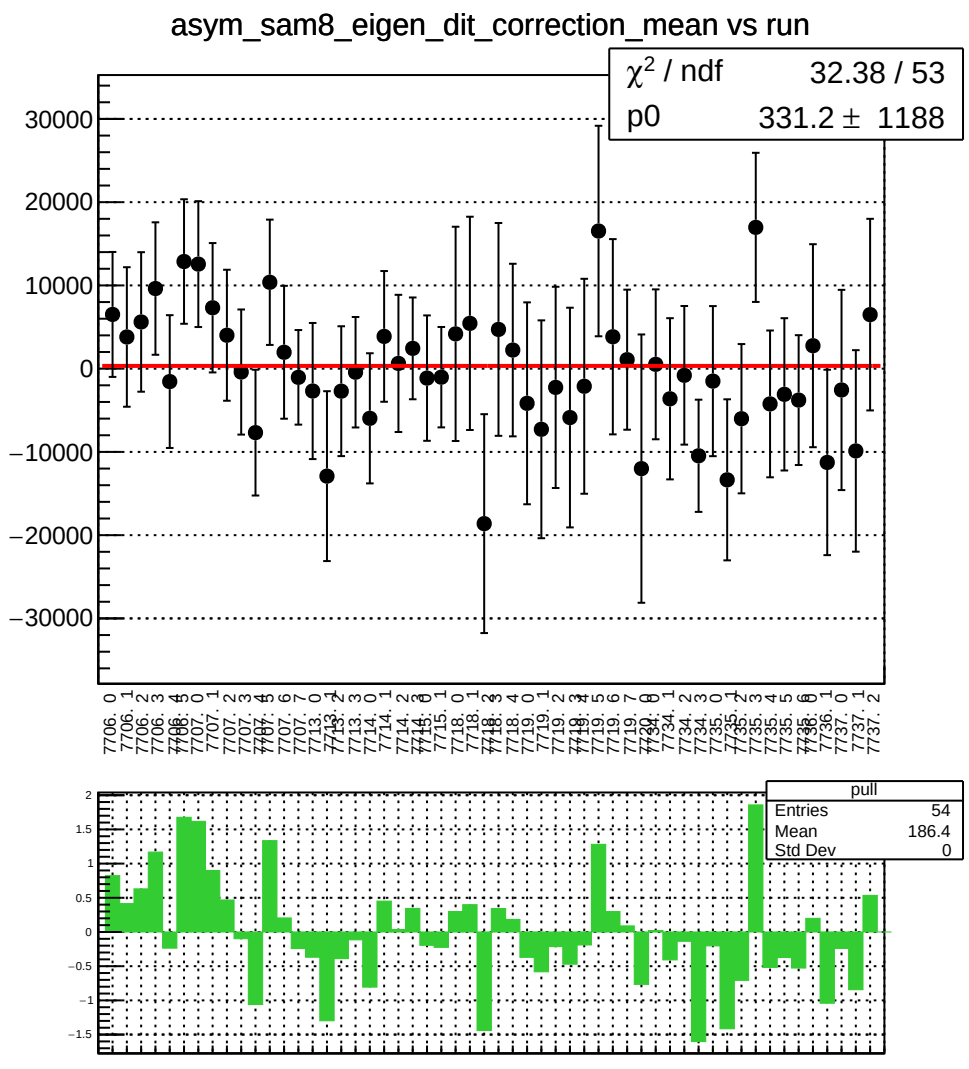

pull1D
Entries 54
Mean −0.02772
Std Dev 0.7739

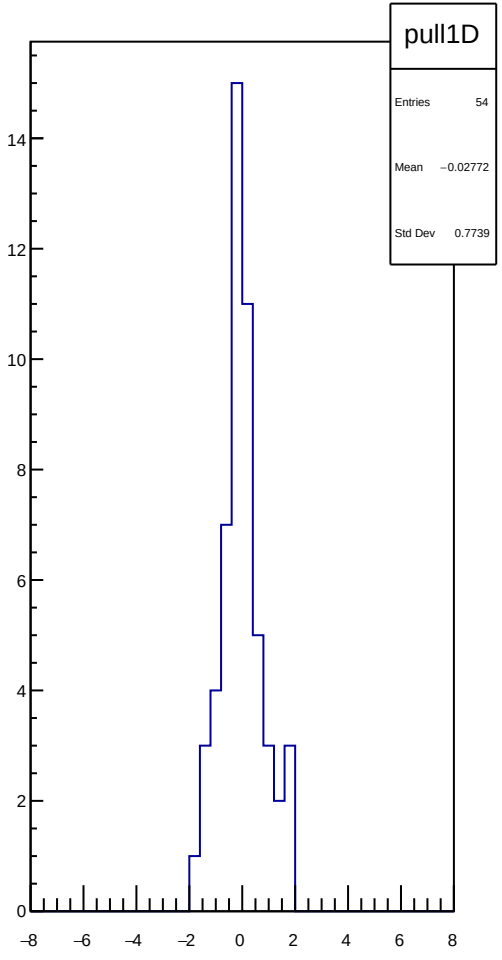

asym_sam8_dit_correction_rms vs run
χ² / ndf 4.01e+04 / 53
p0 848.8 ± 0.8397
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

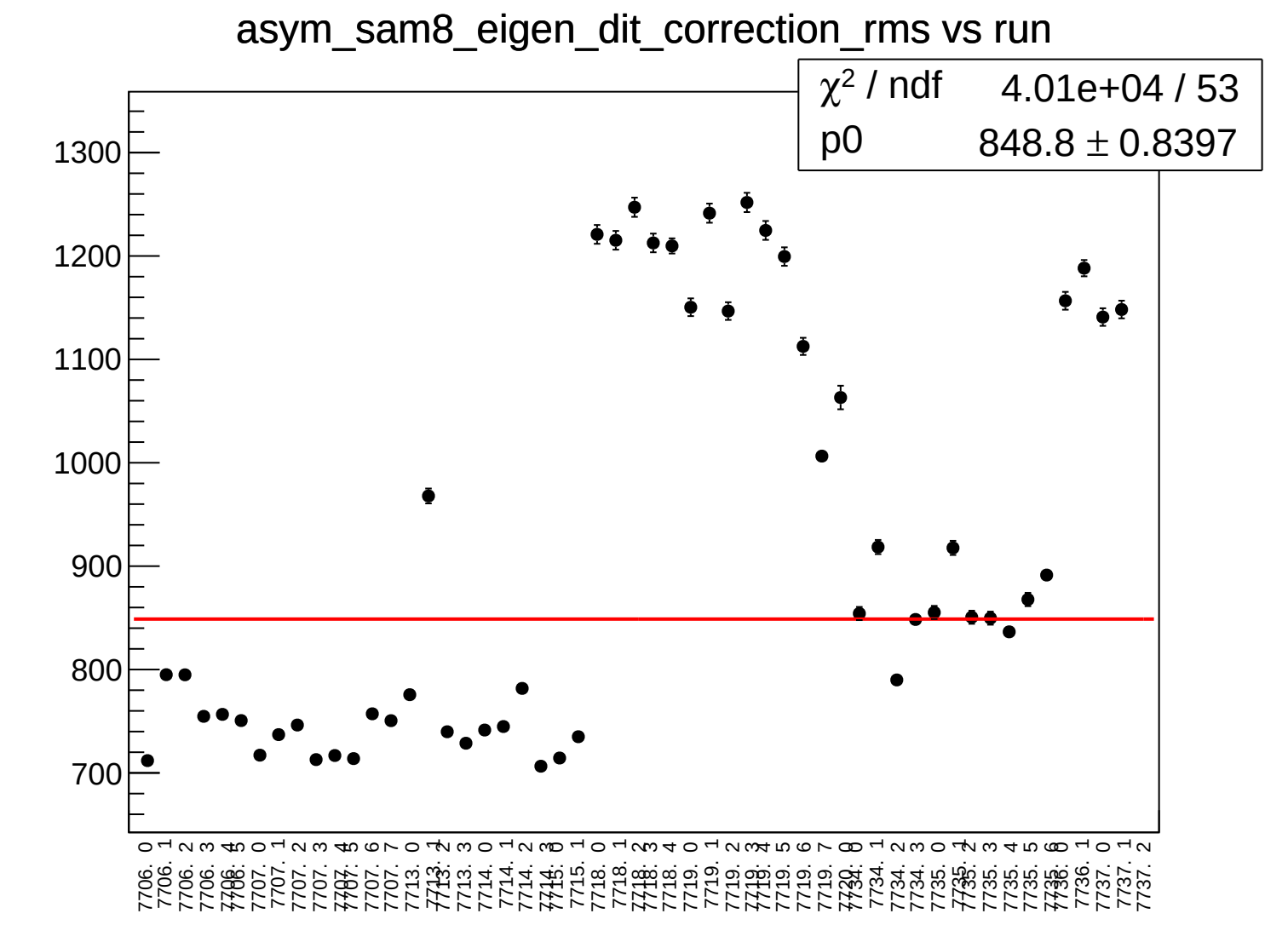

eigen_dit_asym_sam8_mean vs run
χ² / ndf 37.81 / 53
p0 −75.34 ± 122.9
pull
Entries 54
Mean 117.2
Std Dev 0

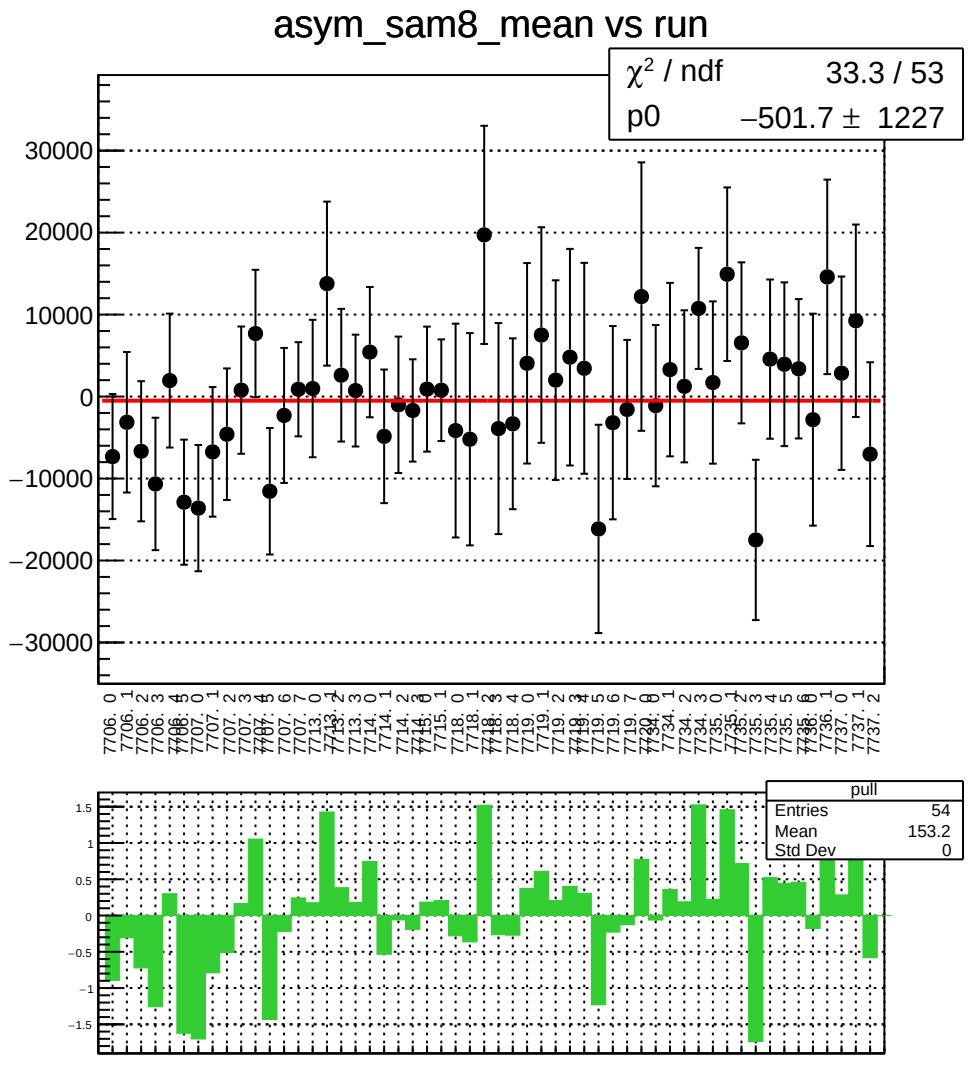

pull1D
Entries 54
Mean 0.04042
Std Dev 0.8358

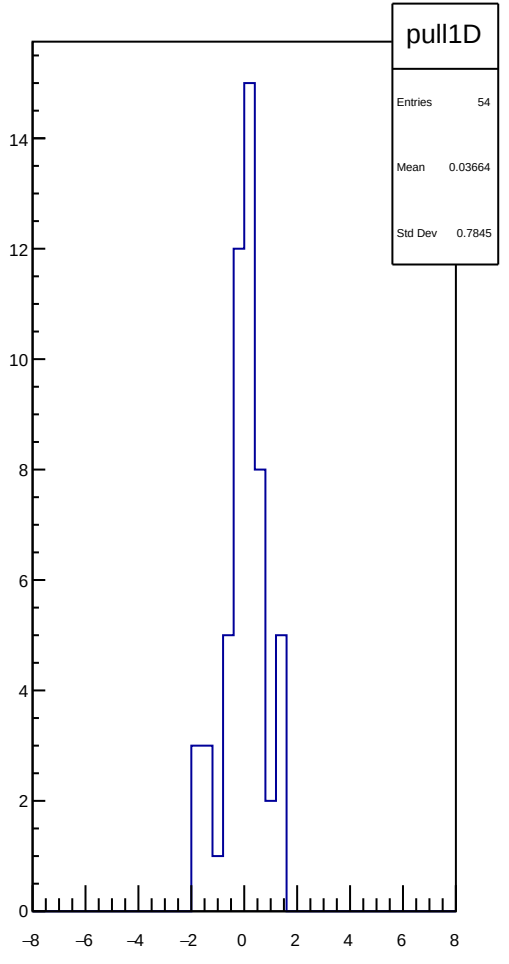

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 2.924e+04 / 53
p0 88.3 ± 0.08689
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

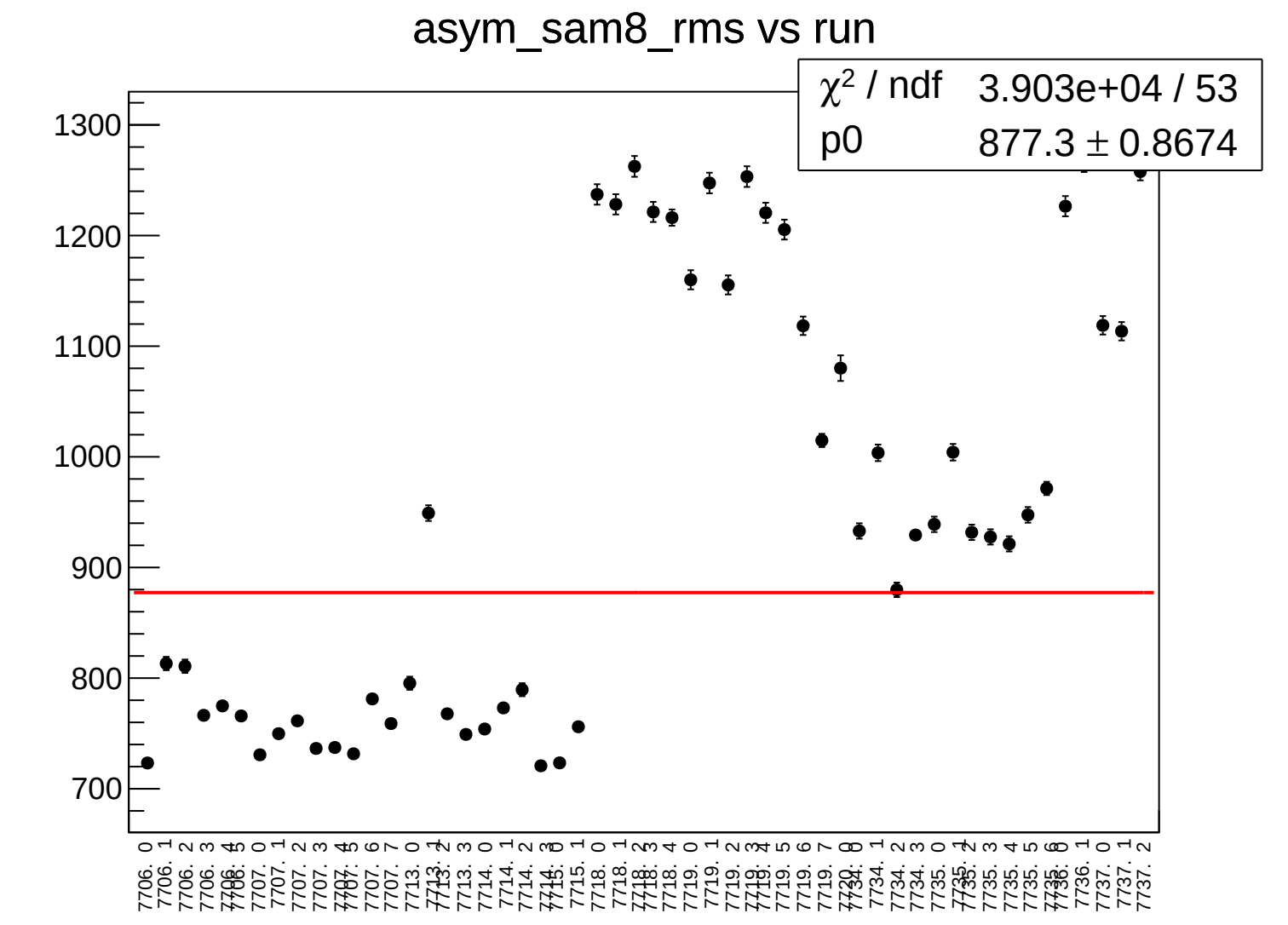

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 32.38 / 53
p0 331.2 ± 1188
pull
Entries 54
Mean 186.4
Std Dev 0

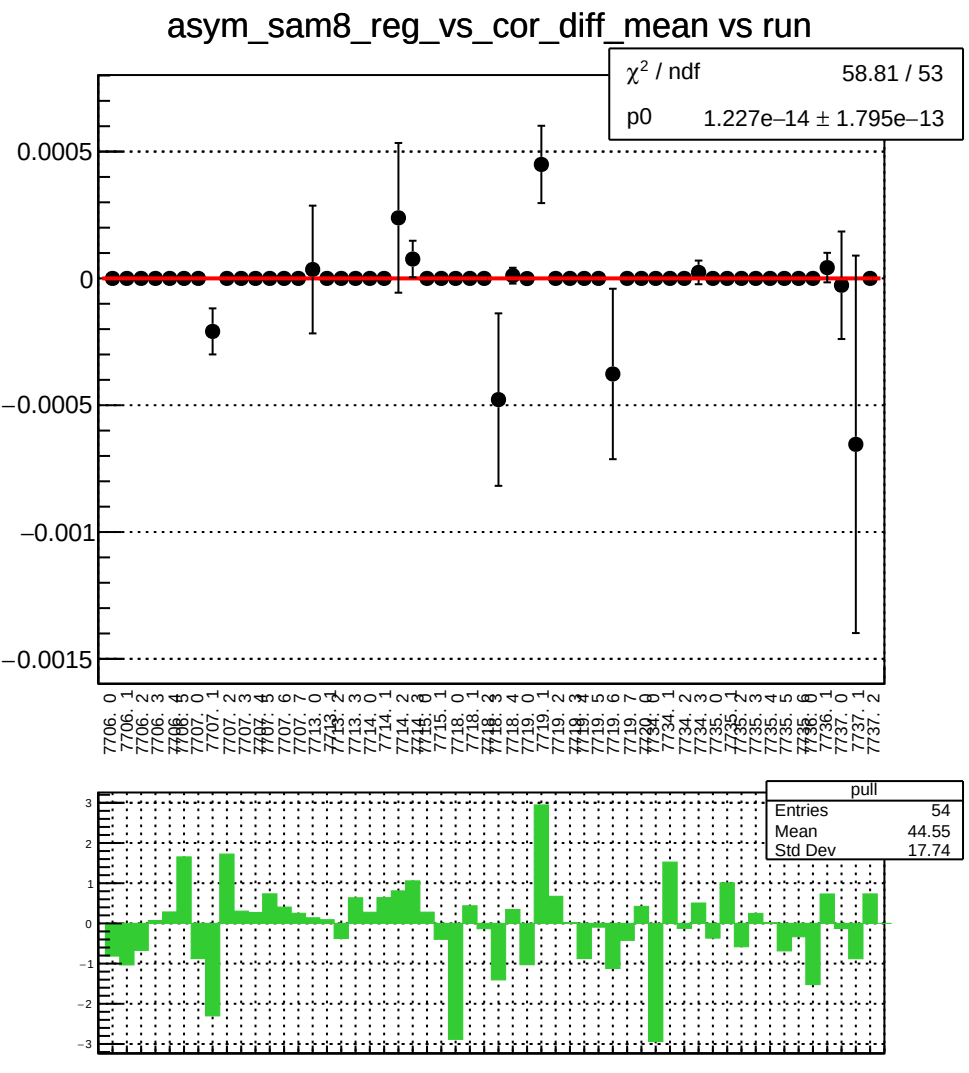

pull1D
Entries 54
Mean −0.02772
Std Dev 0.7739

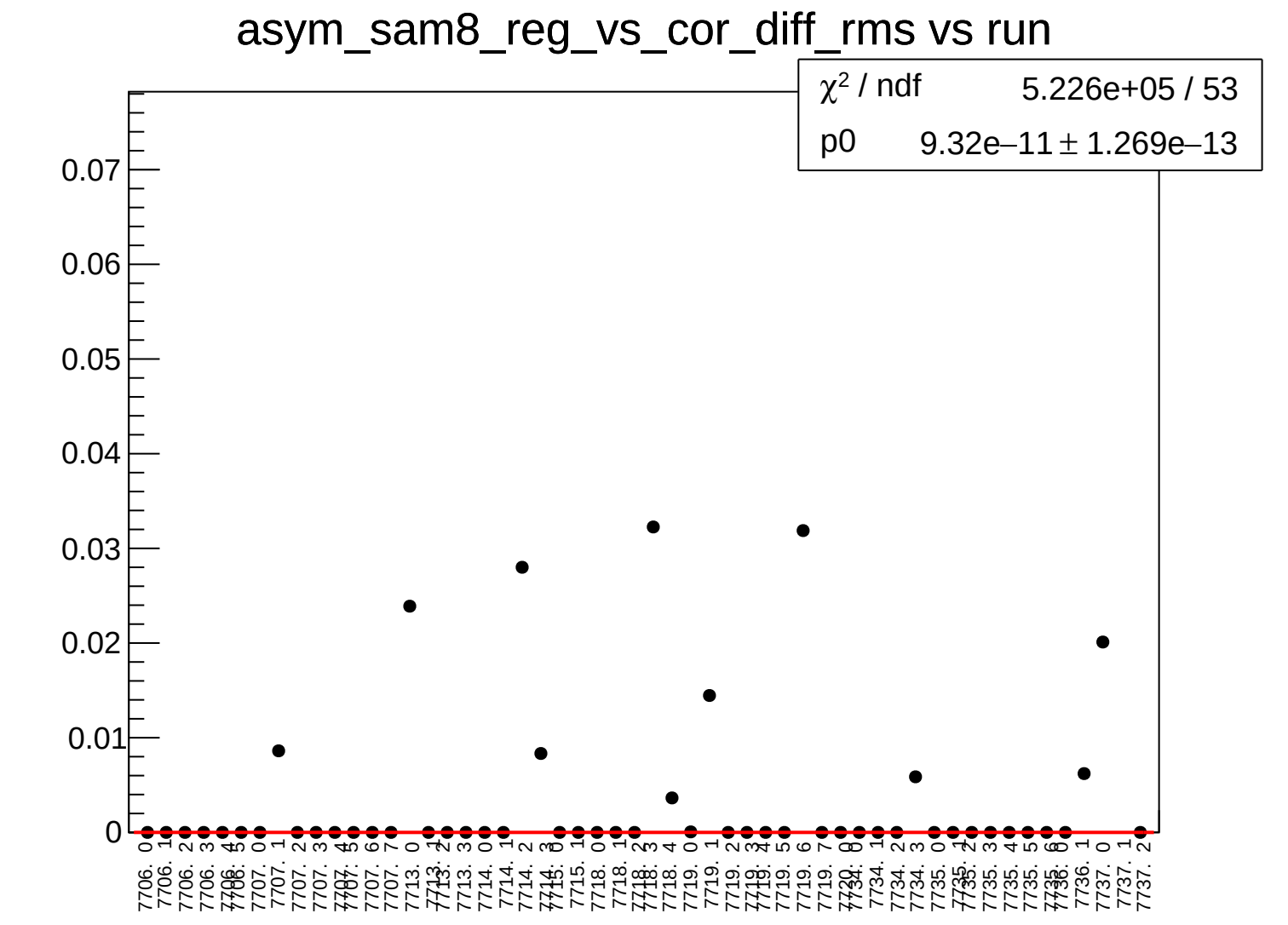

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 4.01e+04 / 53
p0 848.8 ± 0.8397
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

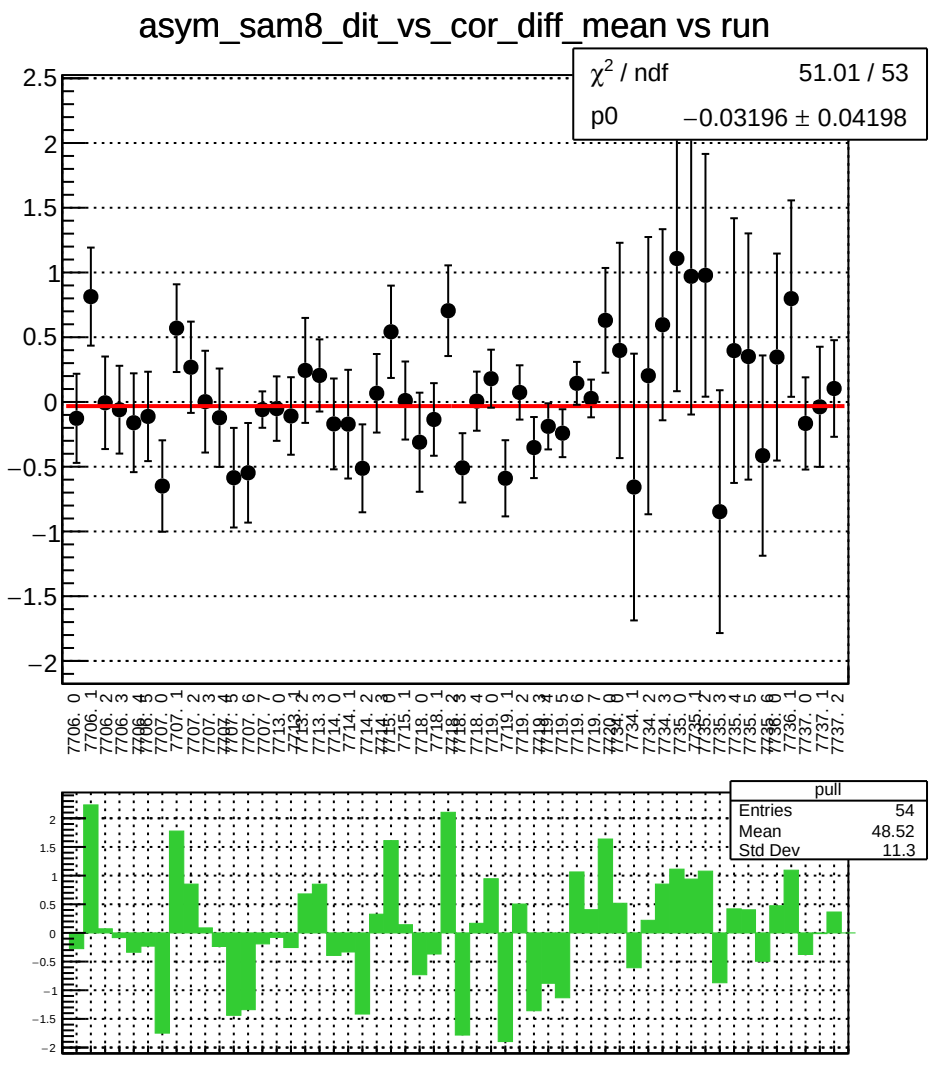

asym_sam8_mean vs run
χ² / ndf 33.3 / 53
p0 −501.7 ± 1227
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 153.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

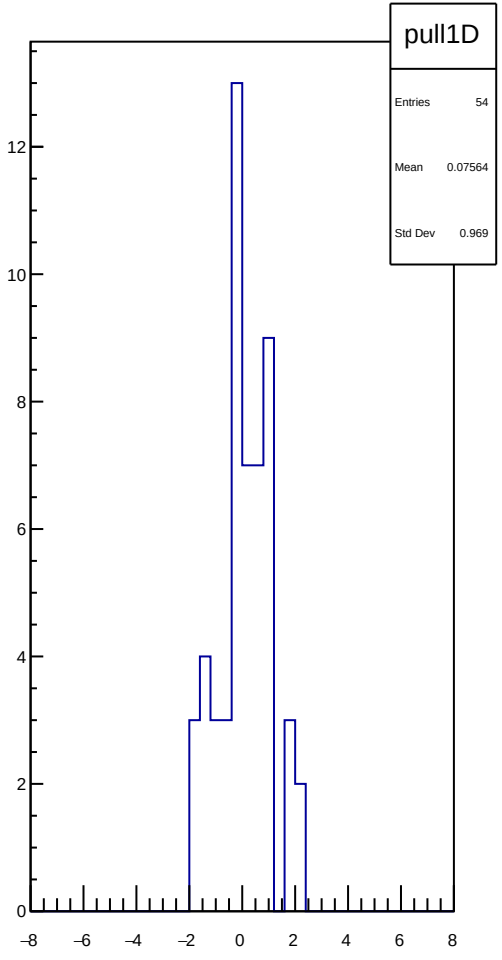

pull1D
Entries 54
Mean 0.03664
Std Dev 0.7845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

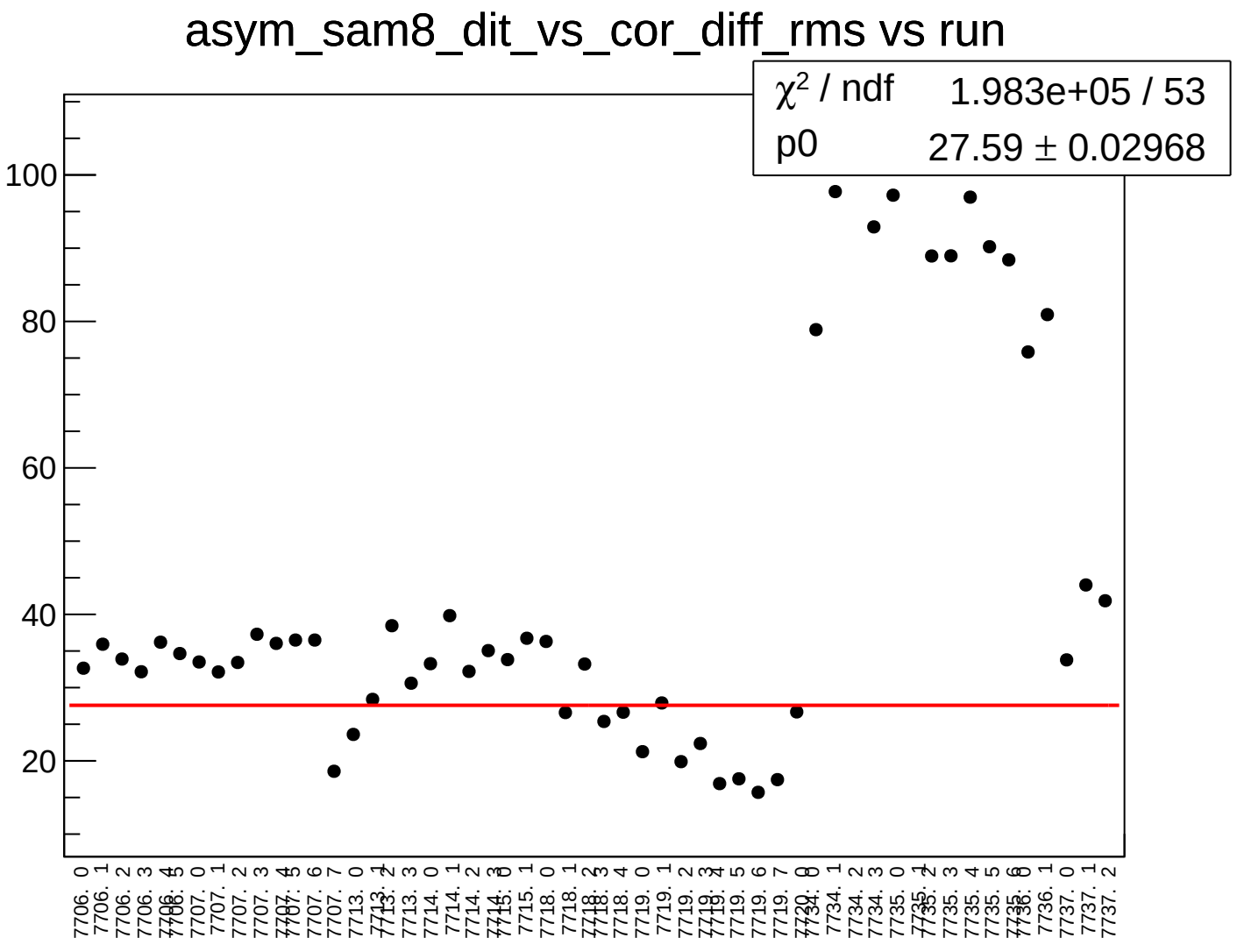

asym_sam8_rms vs run
χ² / ndf 3.903e+04 / 53
p0 877.3 ± 0.8674
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

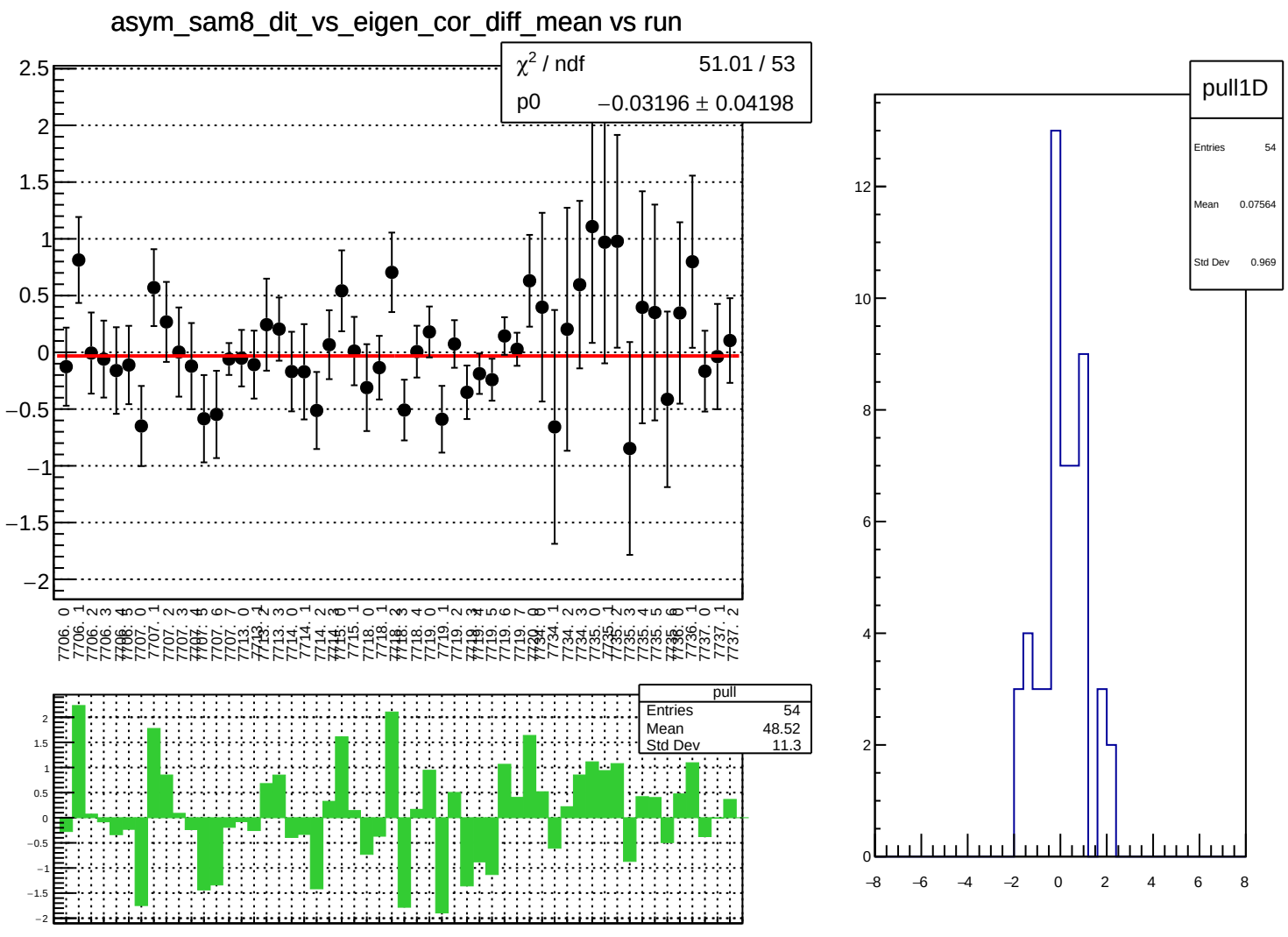

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 58.81 / 53
p0 1.227e−14 ± 1.795e−13
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 44.55
Std Dev 17.74
pull1D
Entries 54
Mean −0.0504
Std Dev 1.042

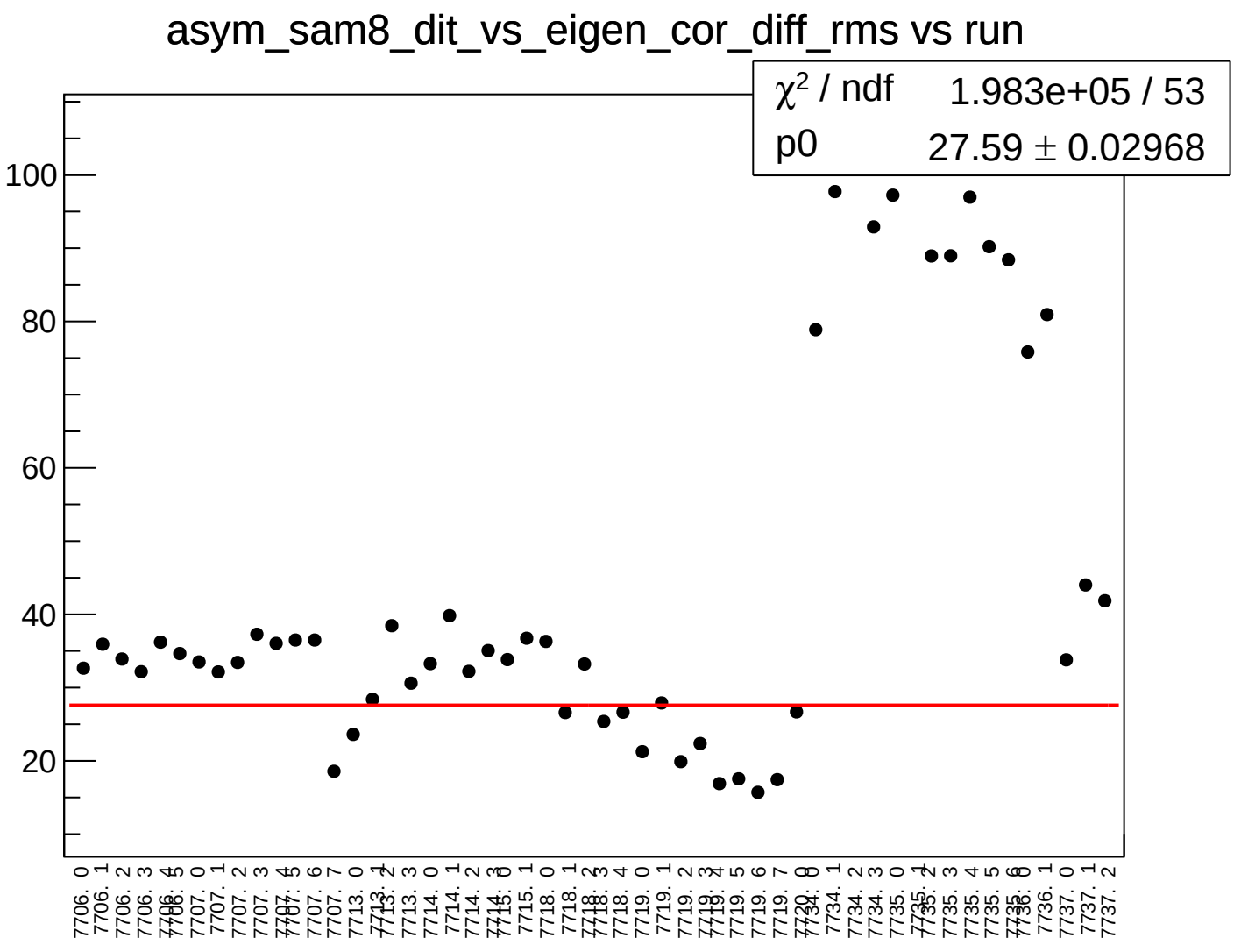

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.226e+05 / 53
p0 9.32e−11 ± 1.269e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

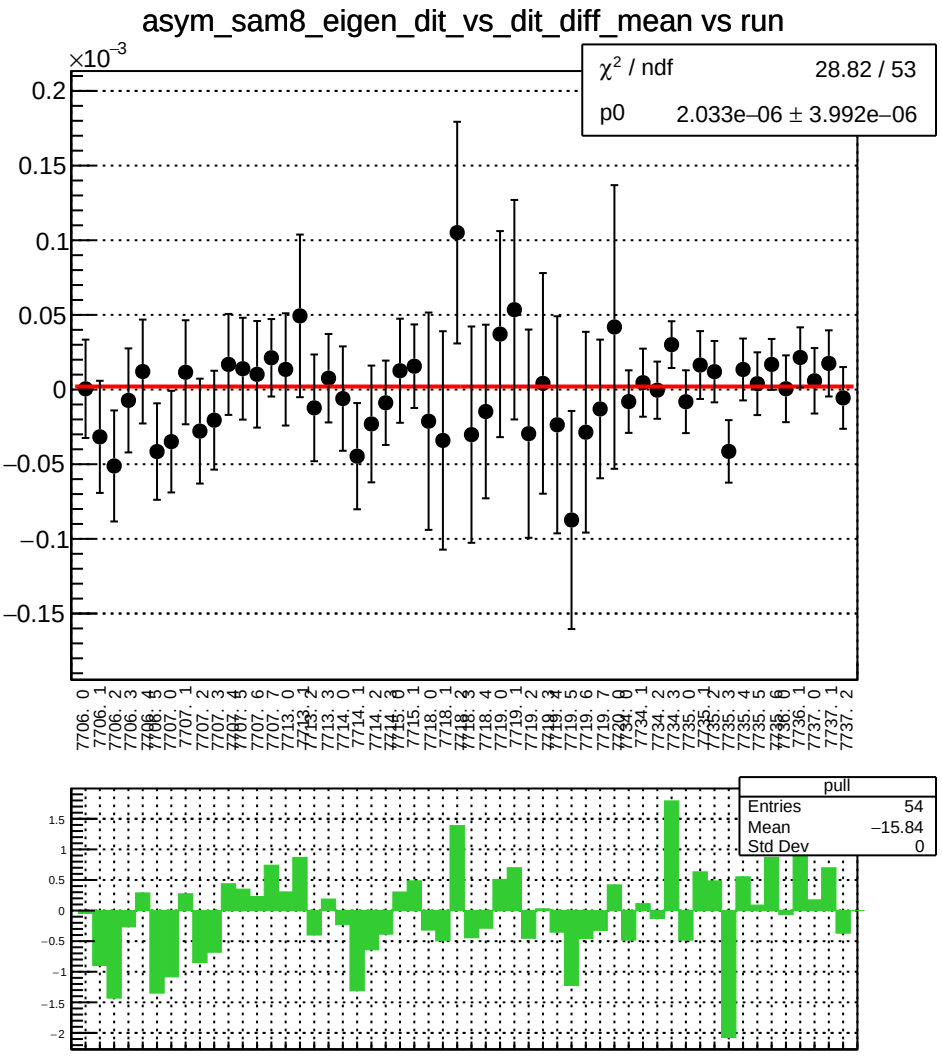

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 53
p0 −0.03196 ± 0.04198
pull
Entries 54
Mean 48.52
Std Dev 11.3

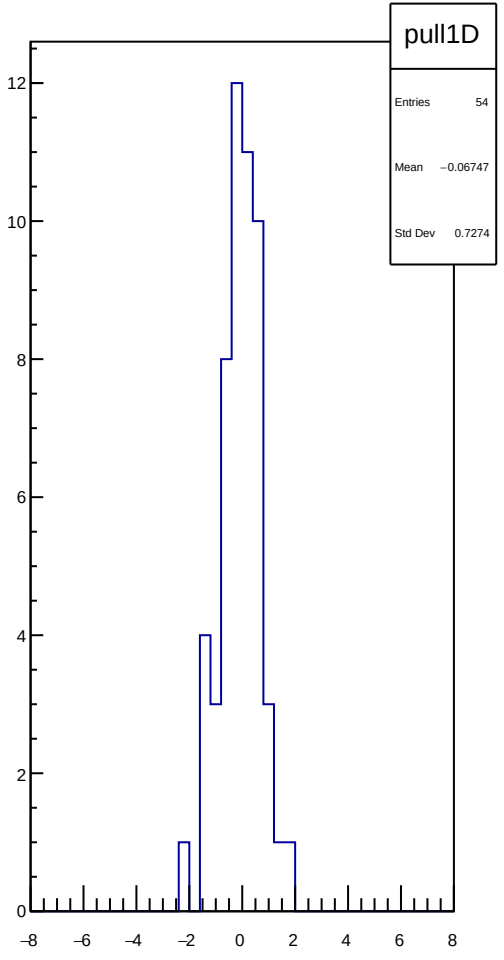

pull1D
Entries 54
Mean 0.07564
Std Dev 0.969

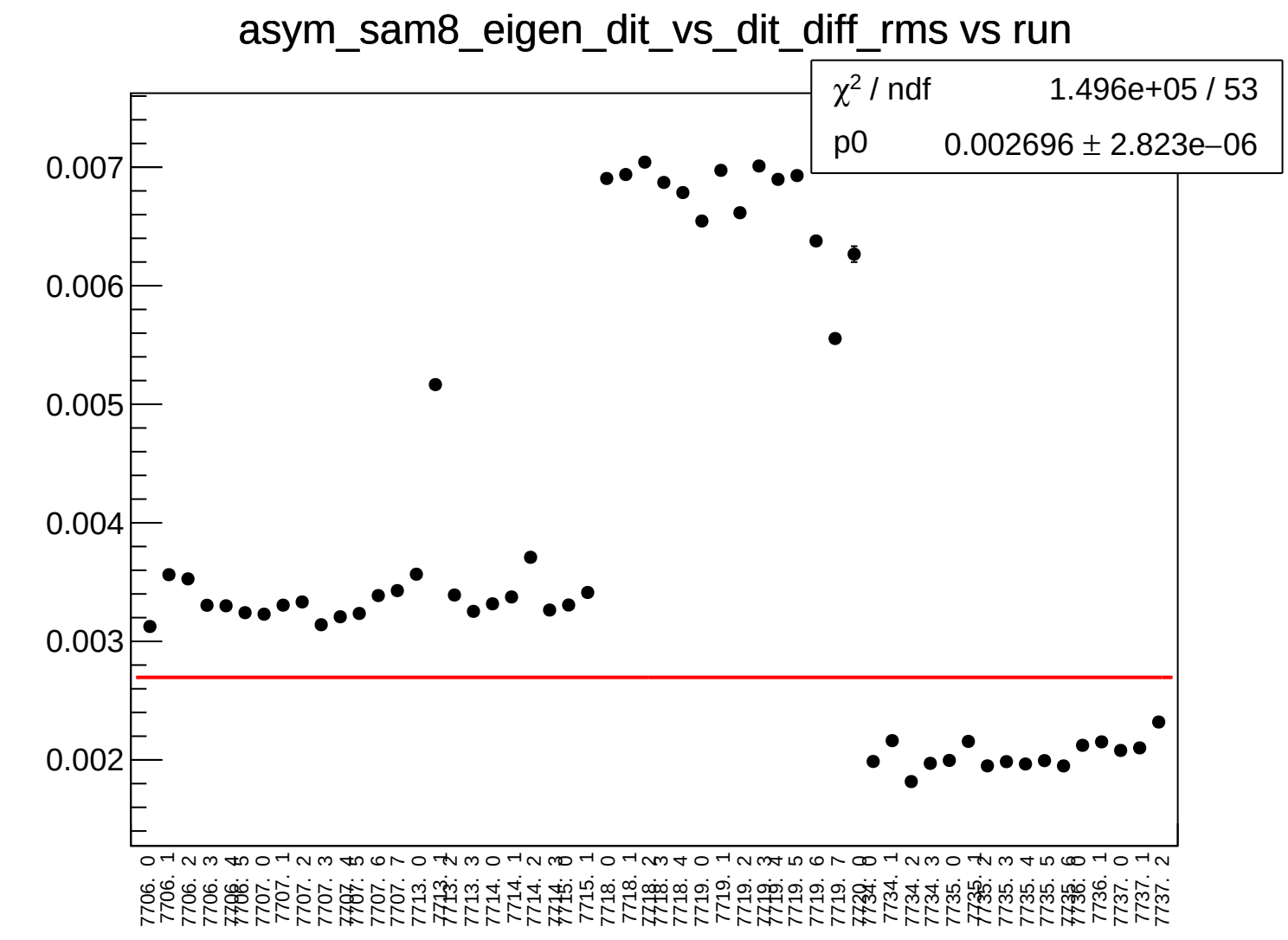

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 53
p0 27.59 ± 0.02968
100
80
60
40
20

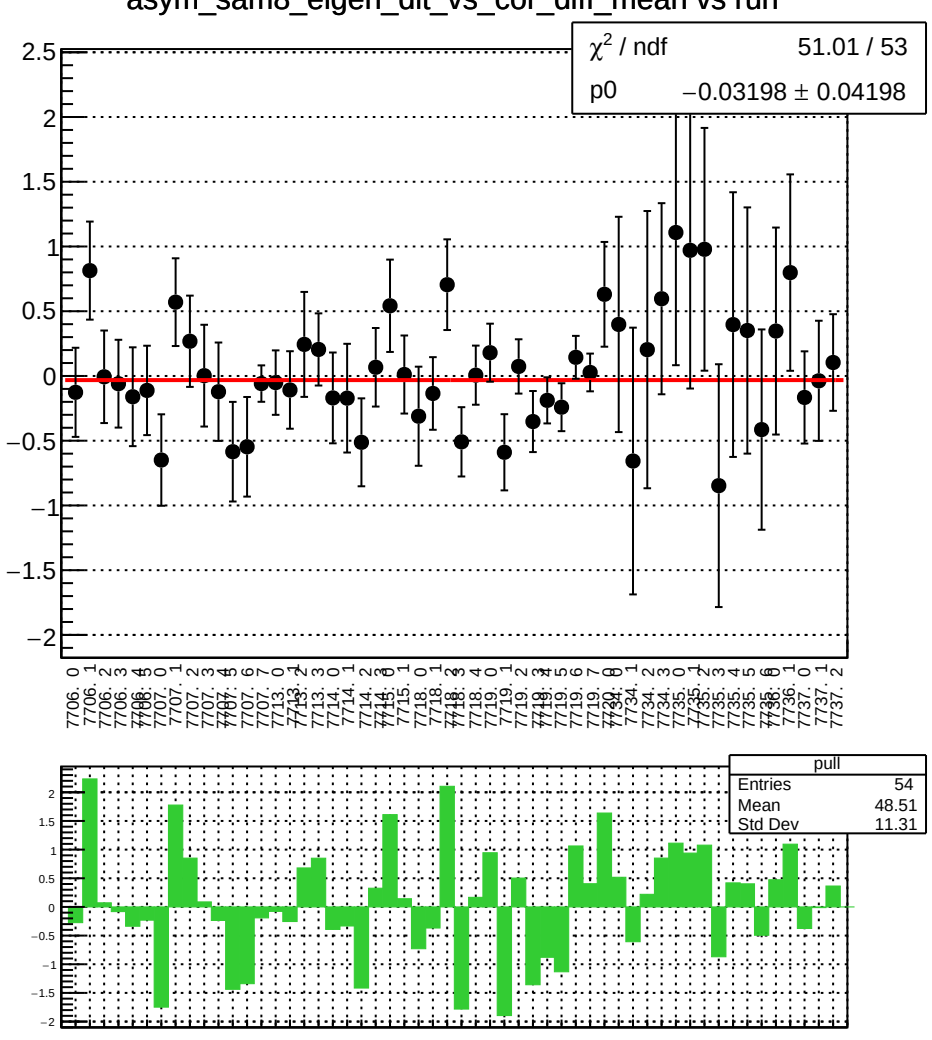

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 53
p0 −0.03196 ± 0.04198
pull
Entries 54
Mean 48.52
Std Dev 11.3
pull1D
Entries 54
Mean 0.07564
Std Dev 0.969

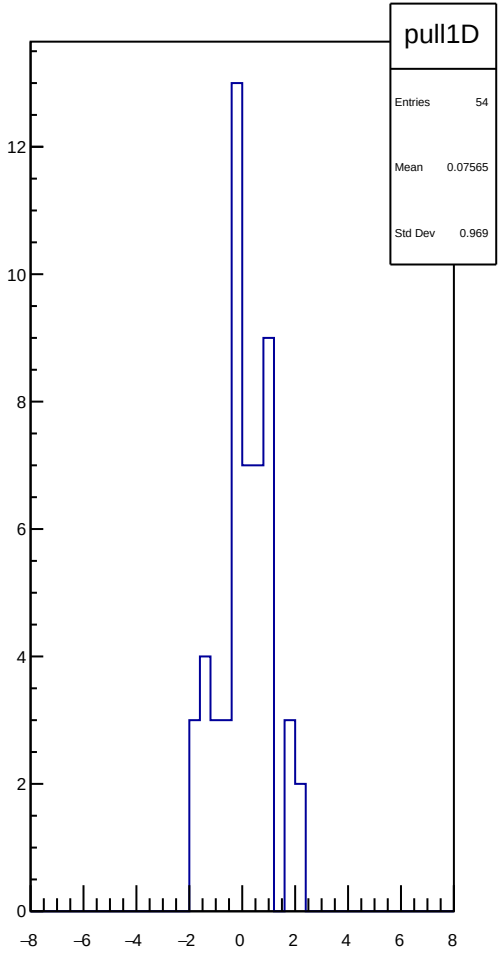

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 53
p0 27.59 ± 0.02968
100
80
60
40
20

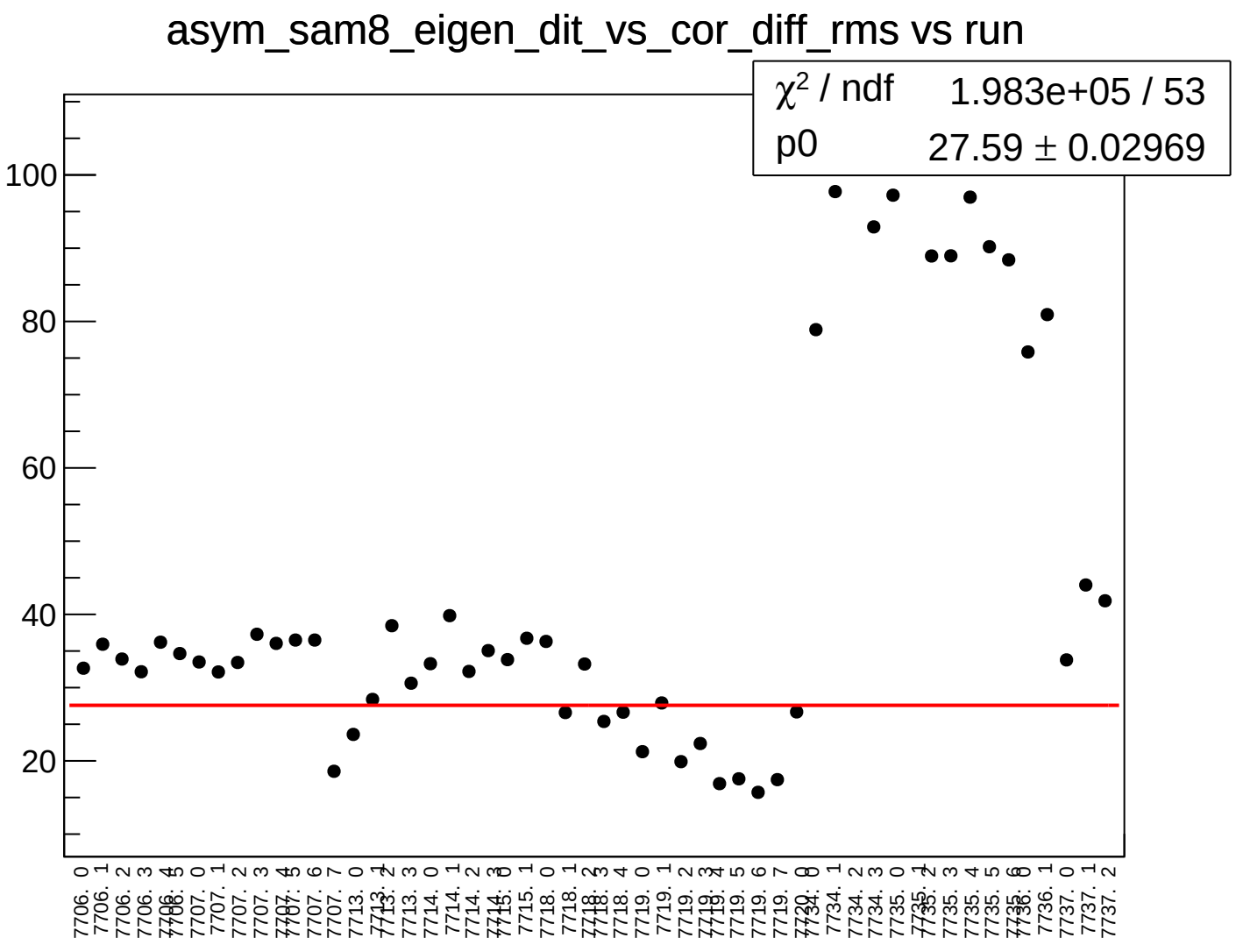

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.82 / 53
p0 2.033e−06 ± 3.992e−06
pull
Entries 54
Mean −15.84
Std Dev 0

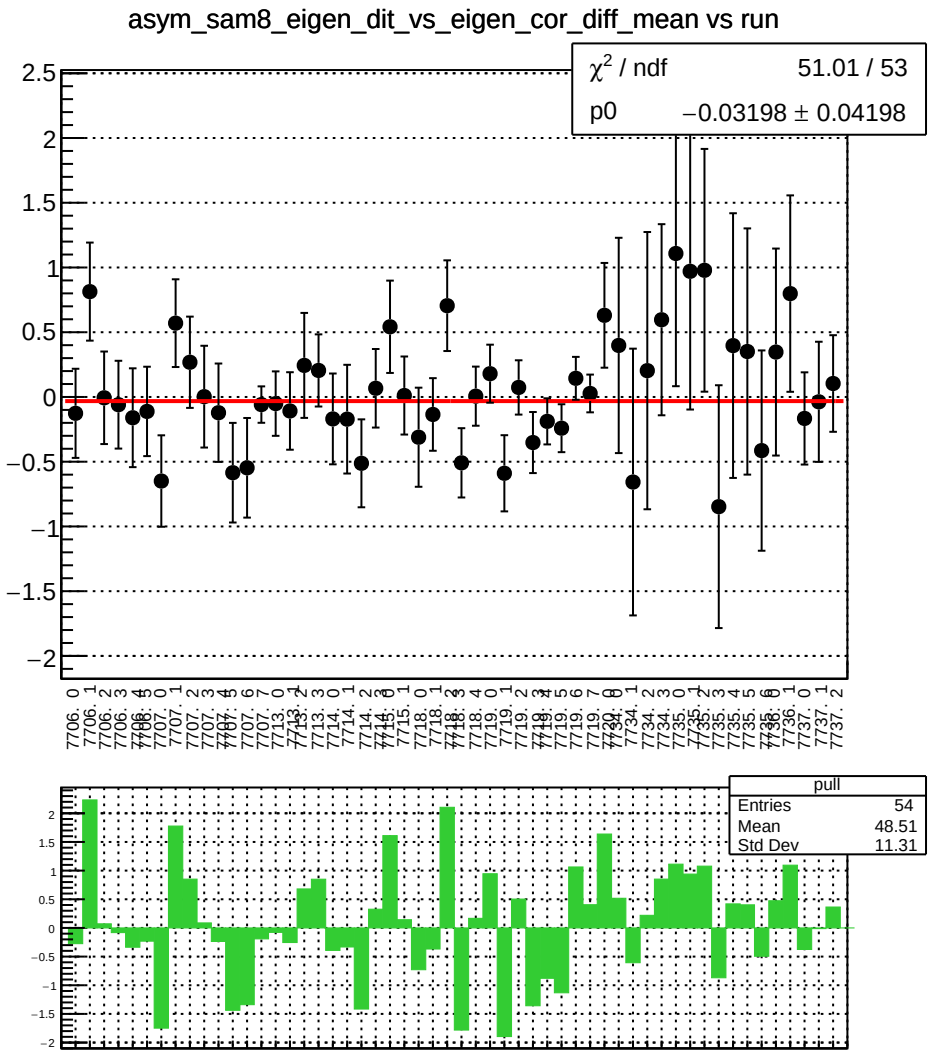

pull1D
Entries 54
Mean −0.06747
Std Dev 0.7274

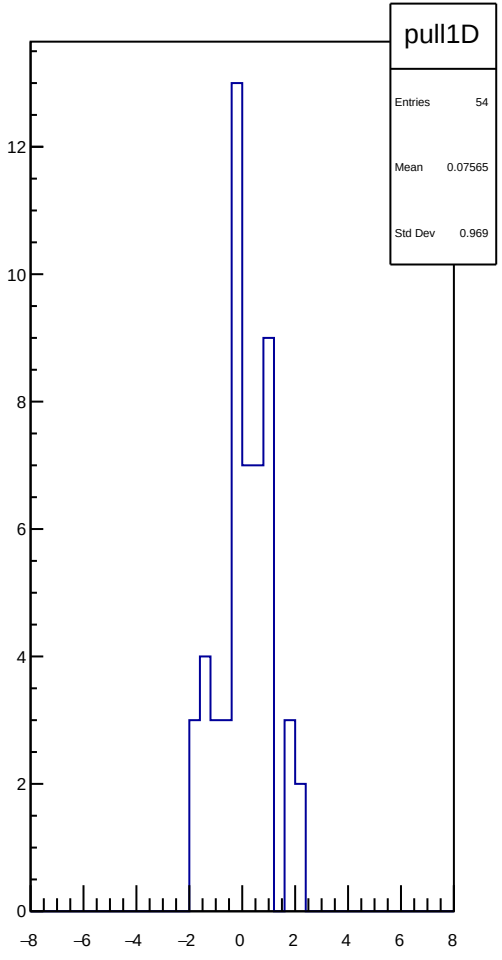

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.496e+05 / 53
p0 0.002696 ± 2.823e−06
0.007
0.006
0.005
0.004
0.003
0.002

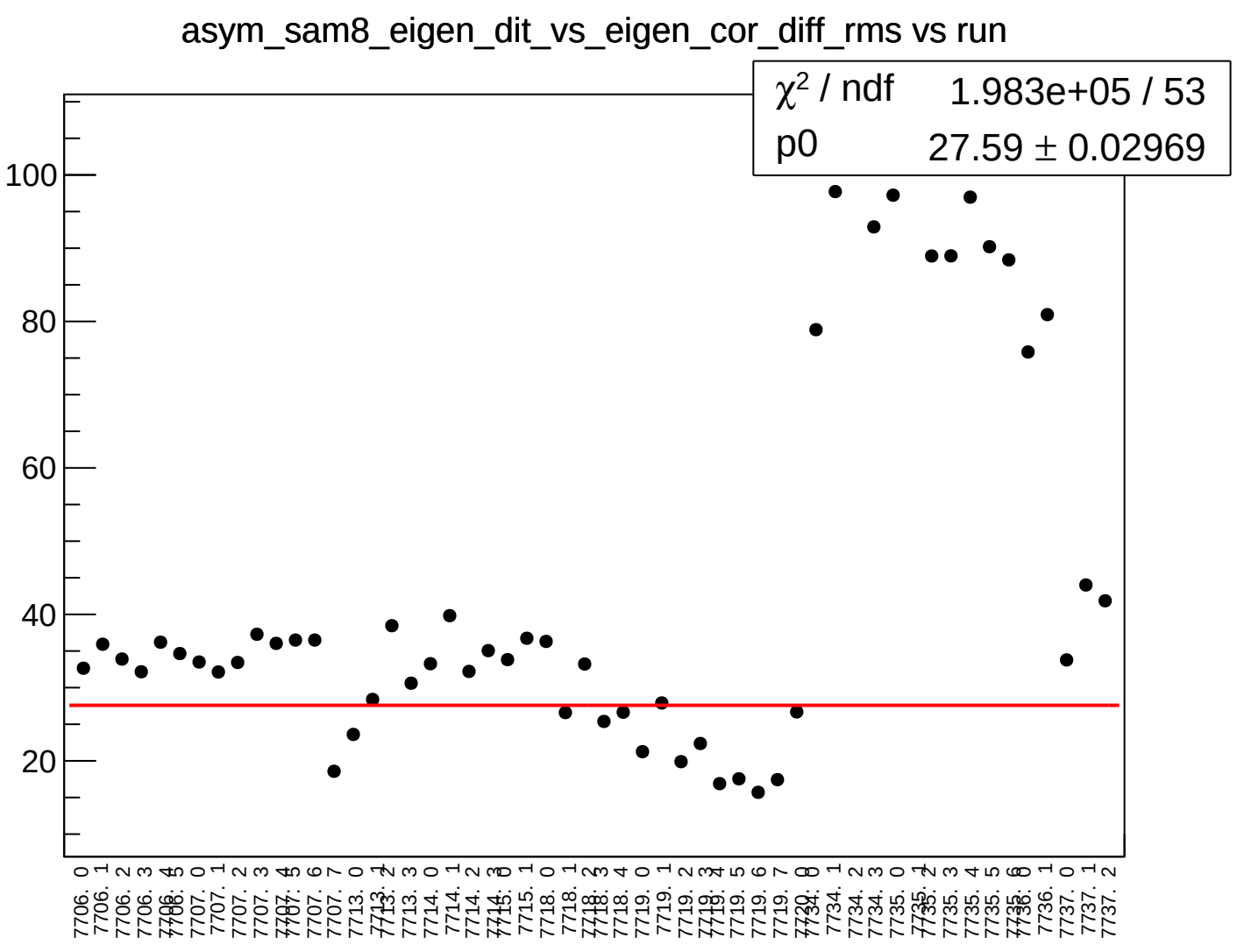

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 53
p0 −0.03198 ± 0.04198
pull
Entries 54
Mean 48.51
Std Dev 11.31

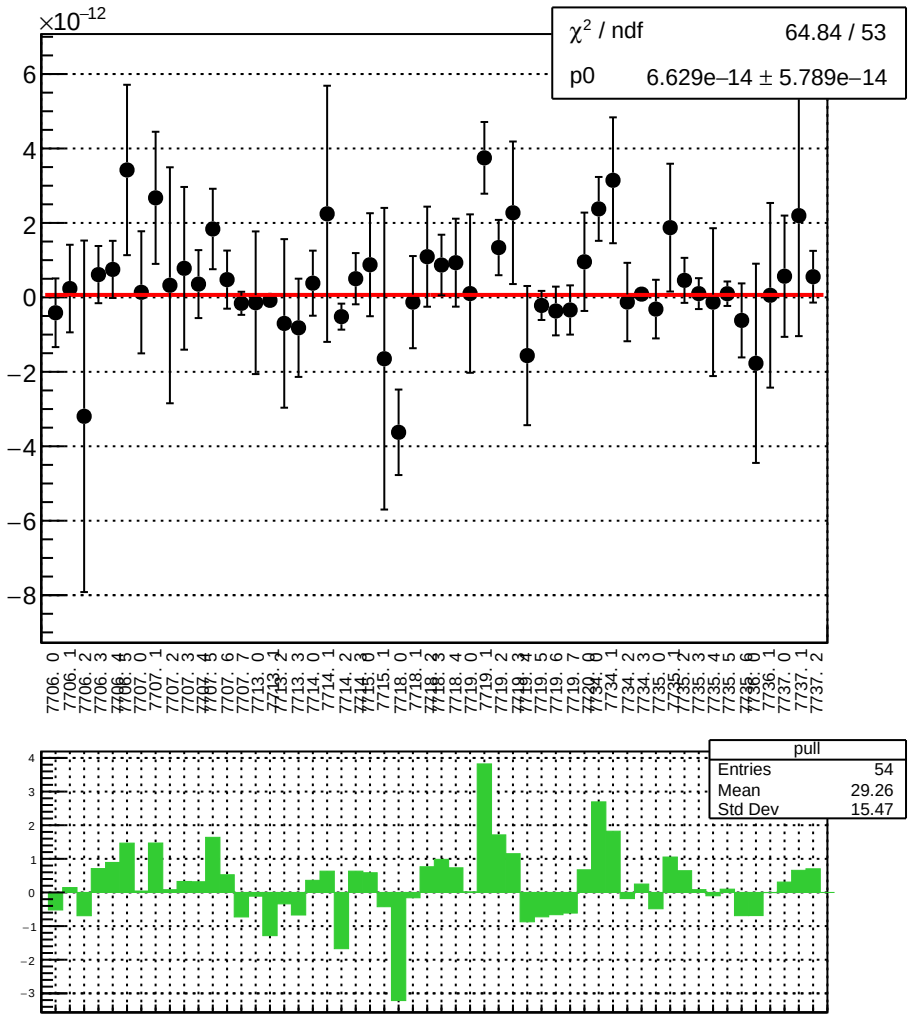

pull1D
Entries 54
Mean 0.07565
Std Dev 0.969

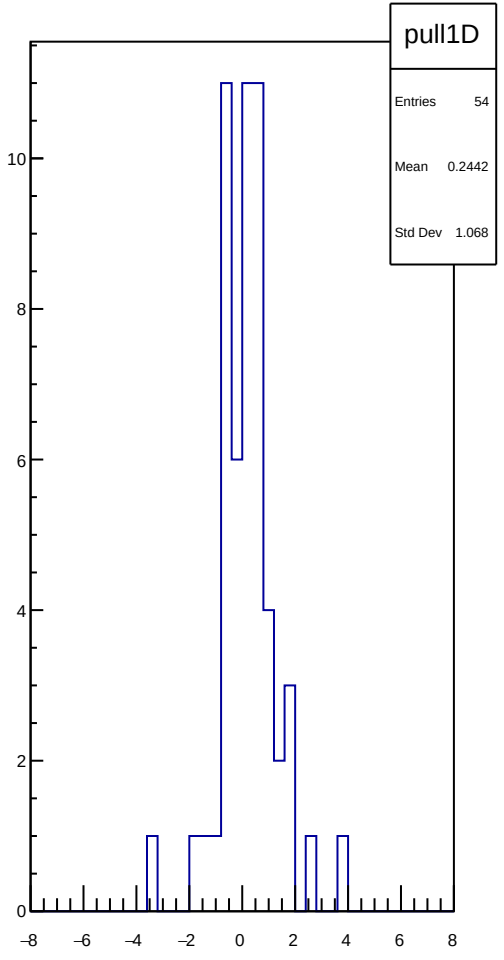

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 53
p0 27.59 ± 0.02969
100
80
60
40
20

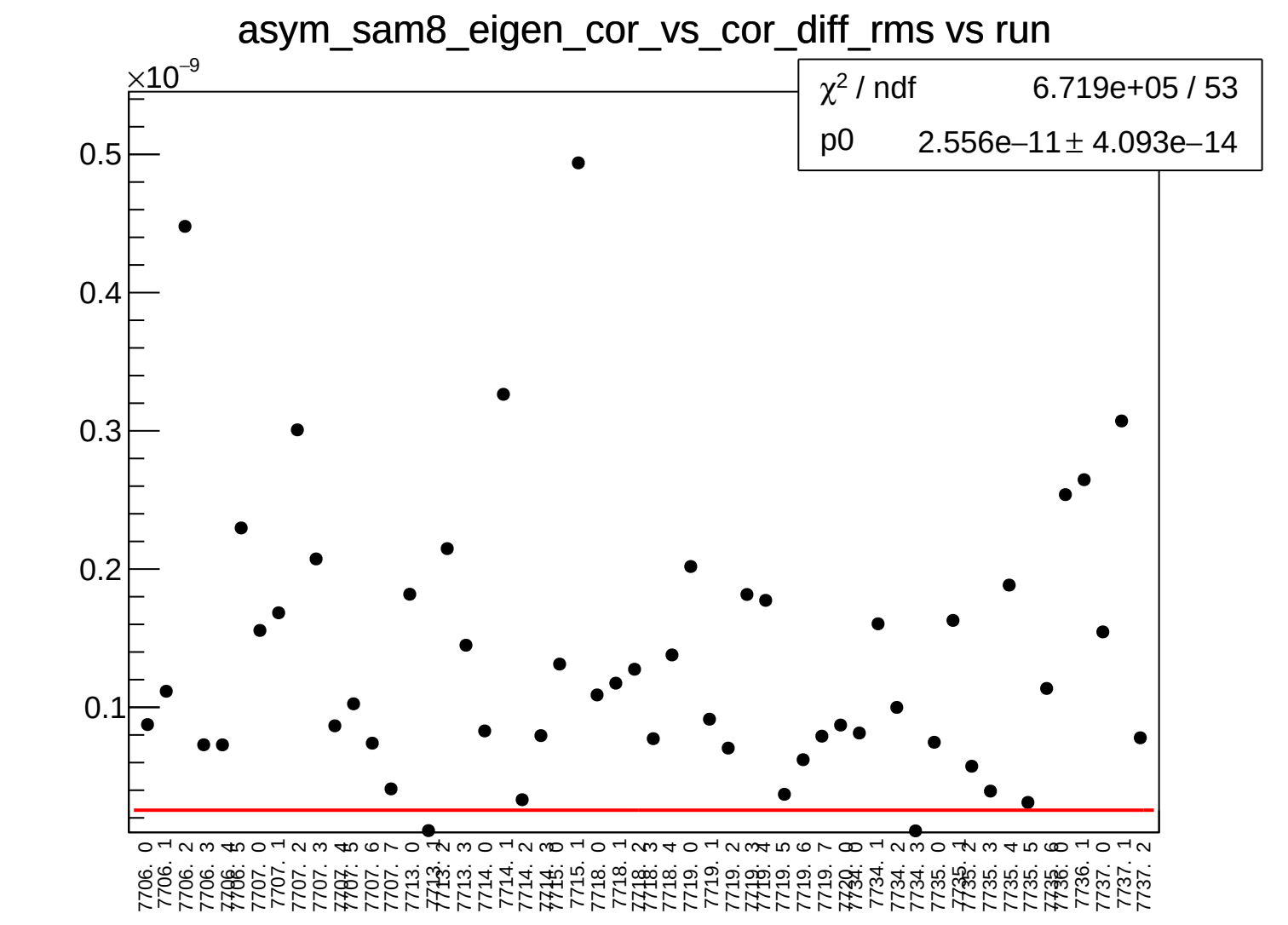

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 53
p0 −0.03198 ± 0.04198
pull
Entries 54
Mean 48.51
Std Dev 11.31

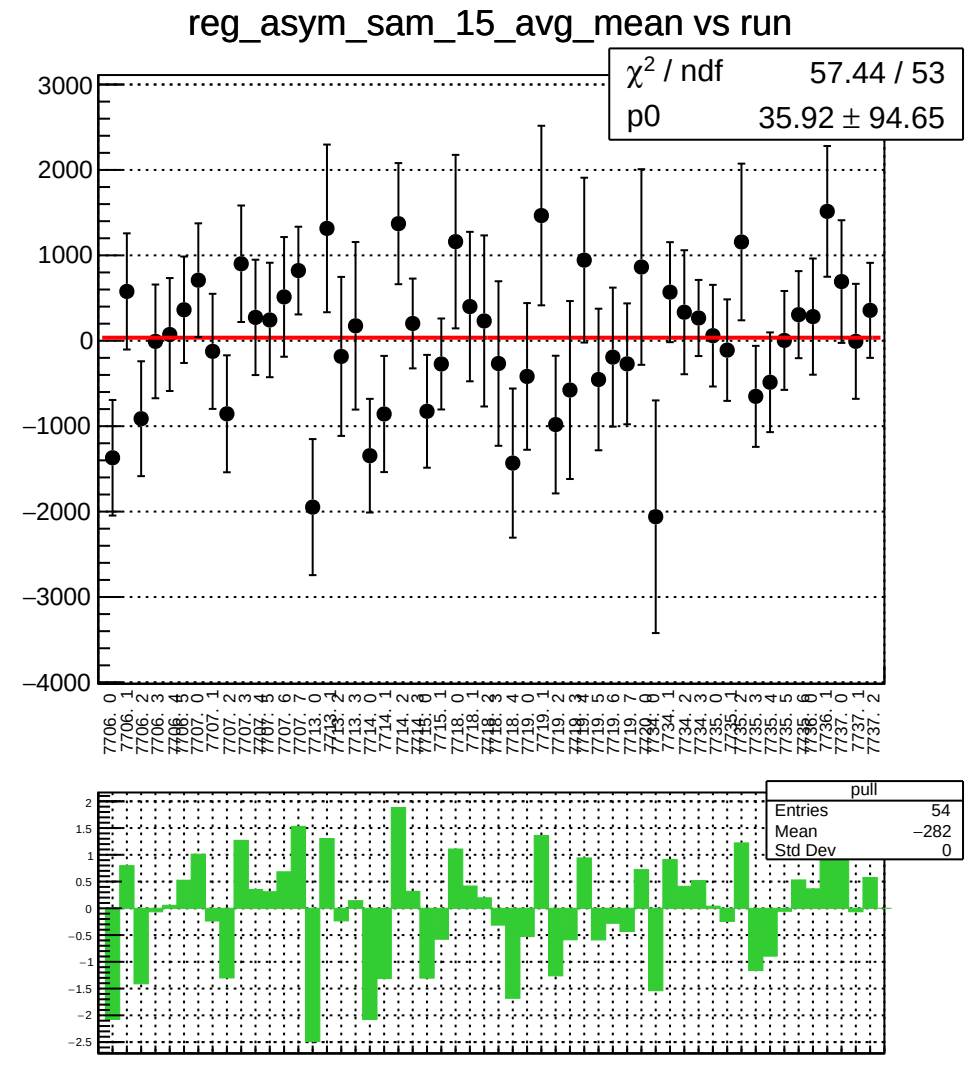

pull1D
Entries 54
Mean 0.07565
Std Dev 0.969

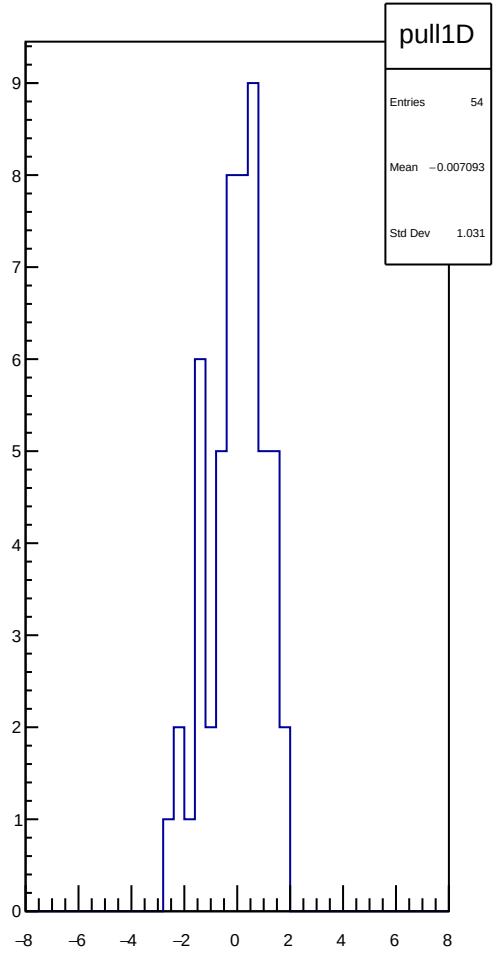

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.983e+05 / 53
p0 27.59 ± 0.02969
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

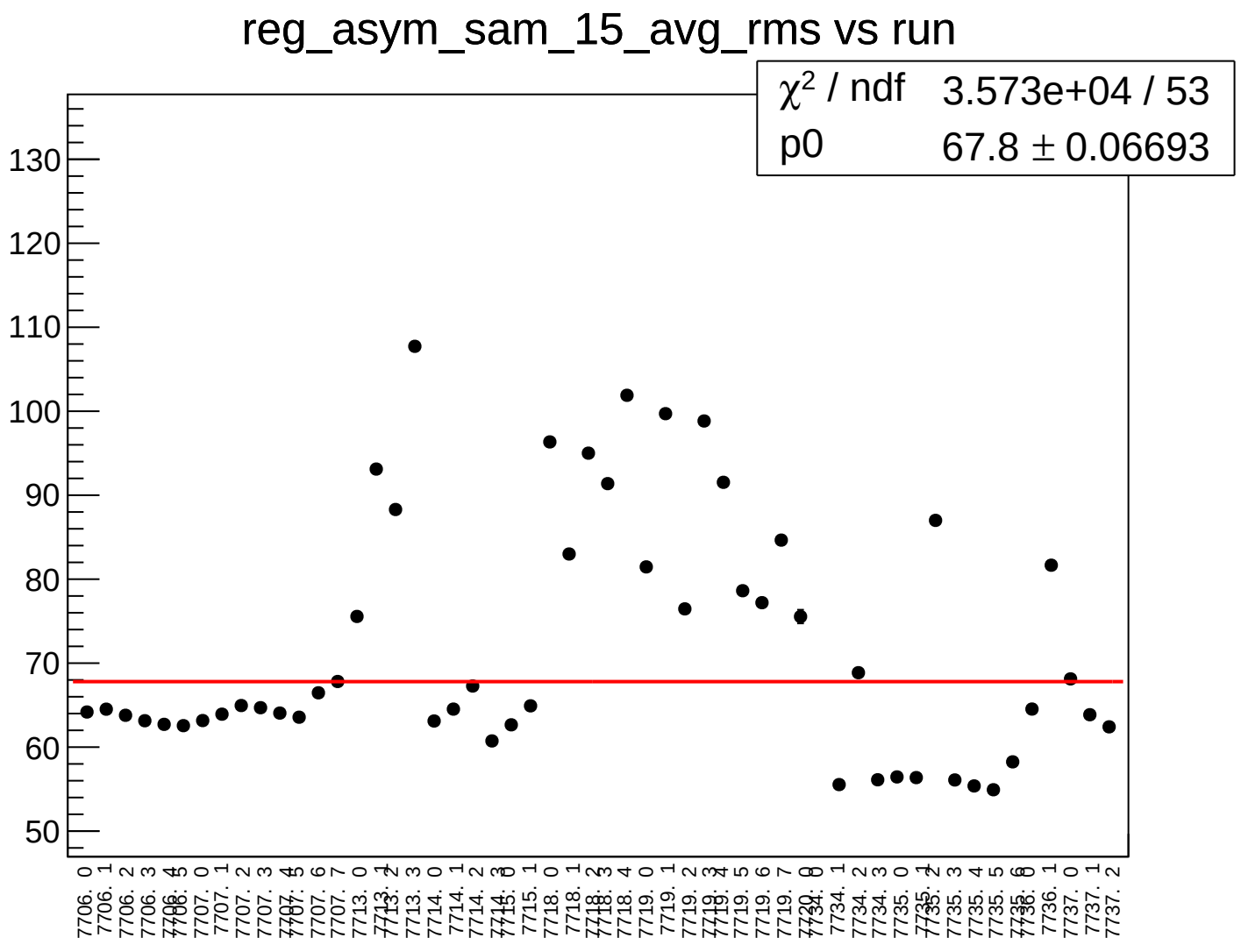

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.84 / 53
p0 6.629e−14 ± 5.789e−14
pull
Entries 54
Mean 29.26
Std Dev 15.47

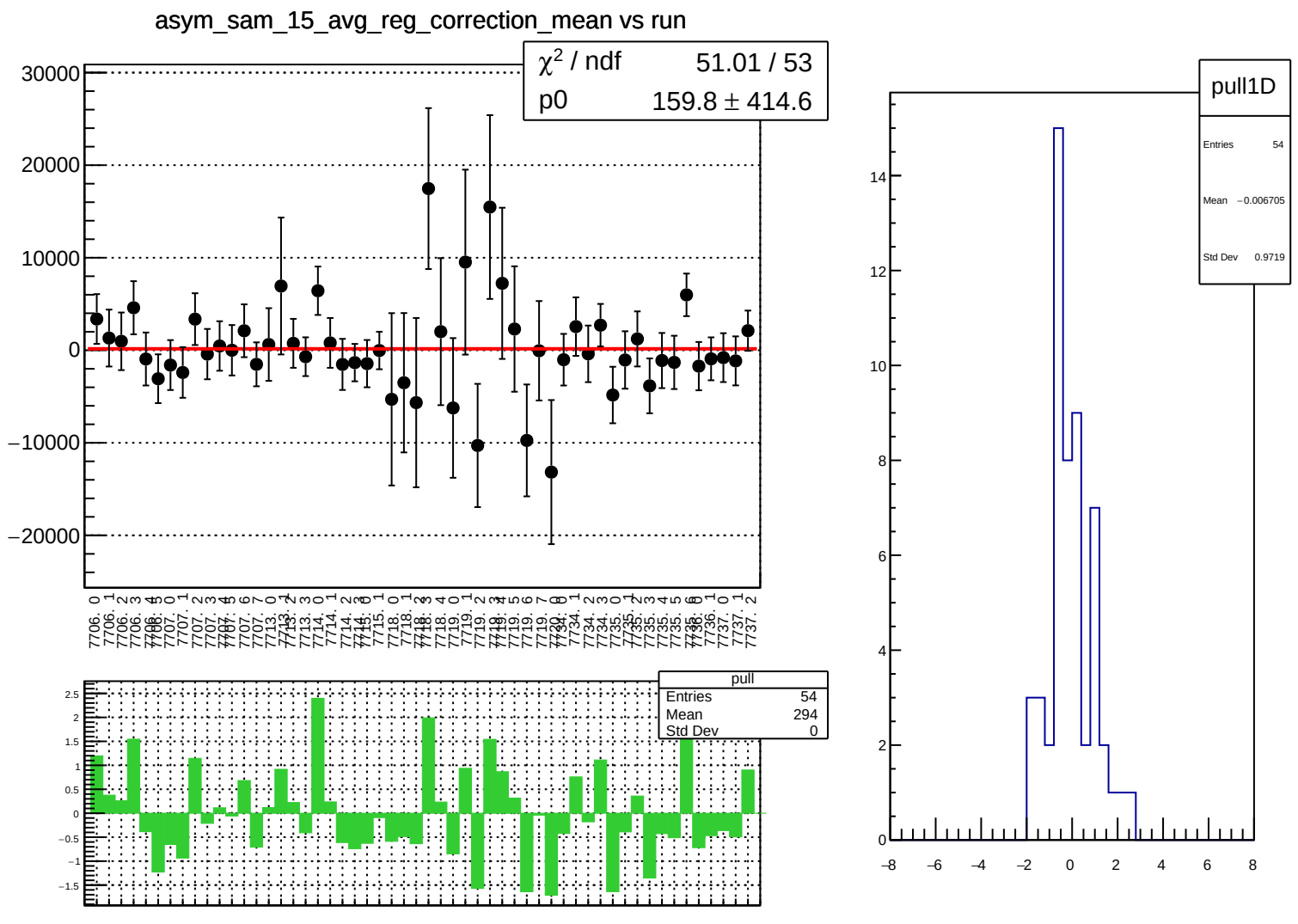

pull1D
Entries 54
Mean 0.2442
Std Dev 1.068

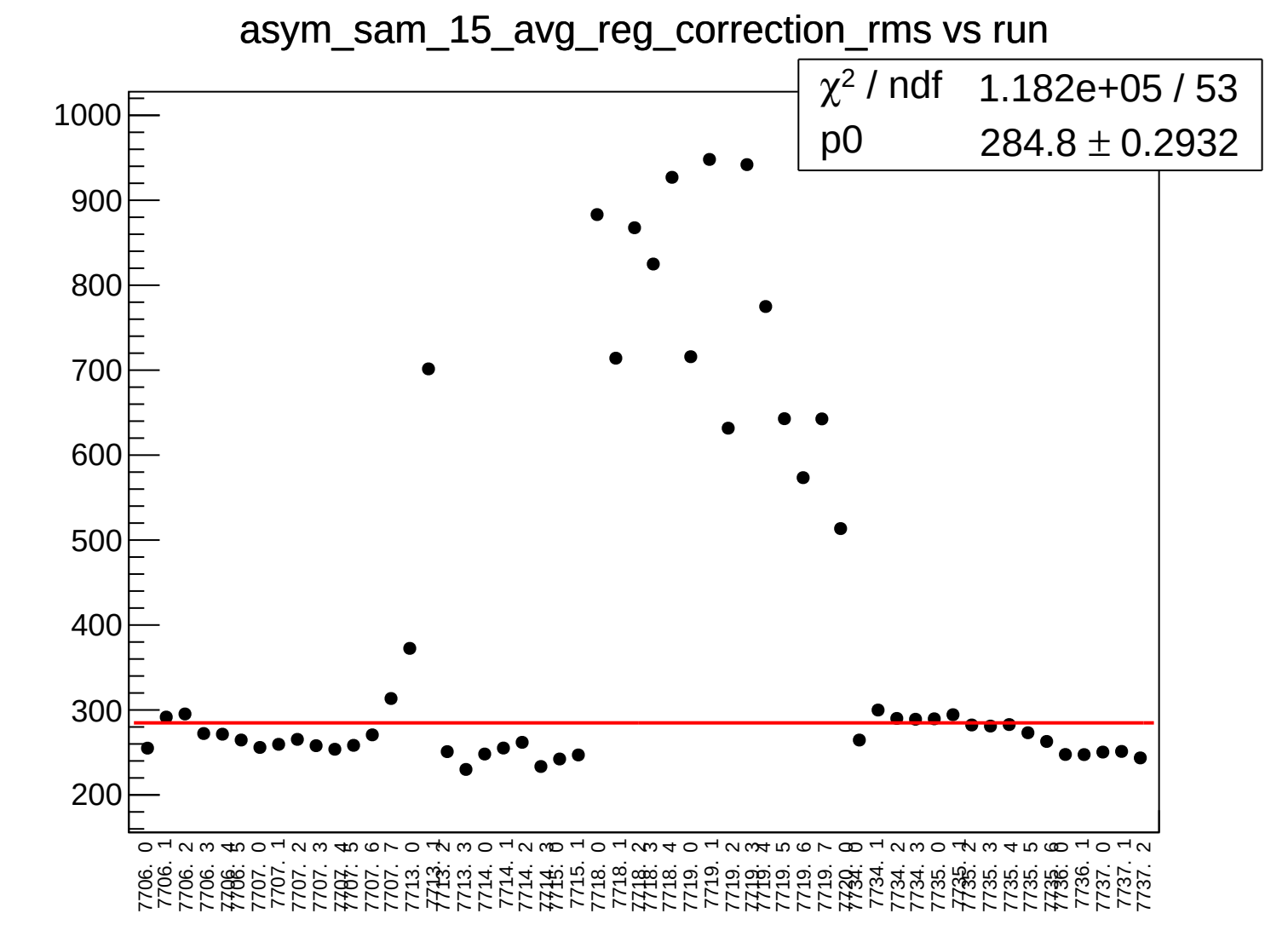

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.719e+05 / 53
p0 2.556e−11 ± 4.093e−14
0.5
0.4
0.3
0.2
0.1

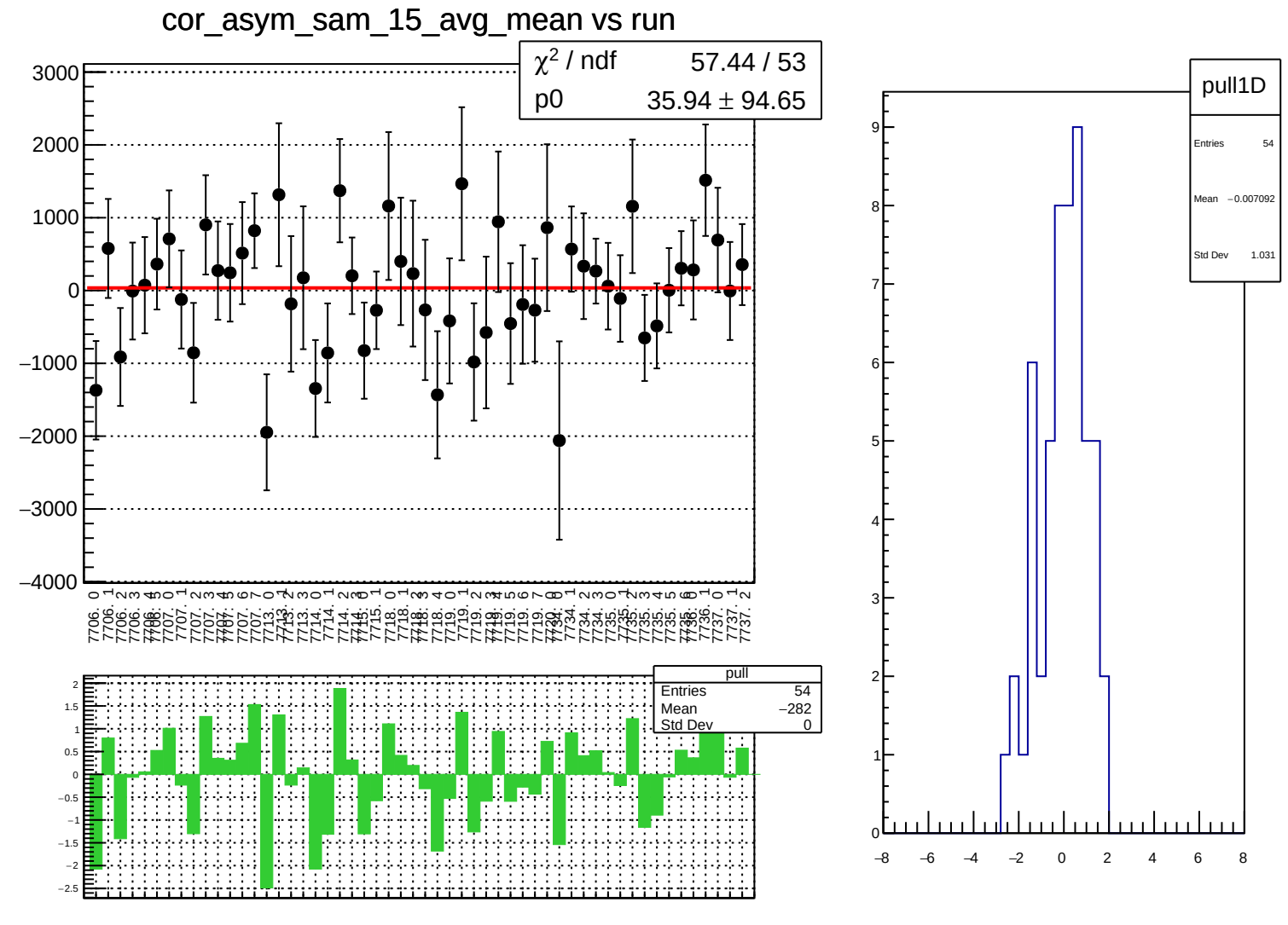

reg_asym_sam_15_avg_mean vs run
χ² / ndf 57.44 / 53
p0 35.92 ± 94.65
pull
Entries 54
Mean −282
Std Dev 0

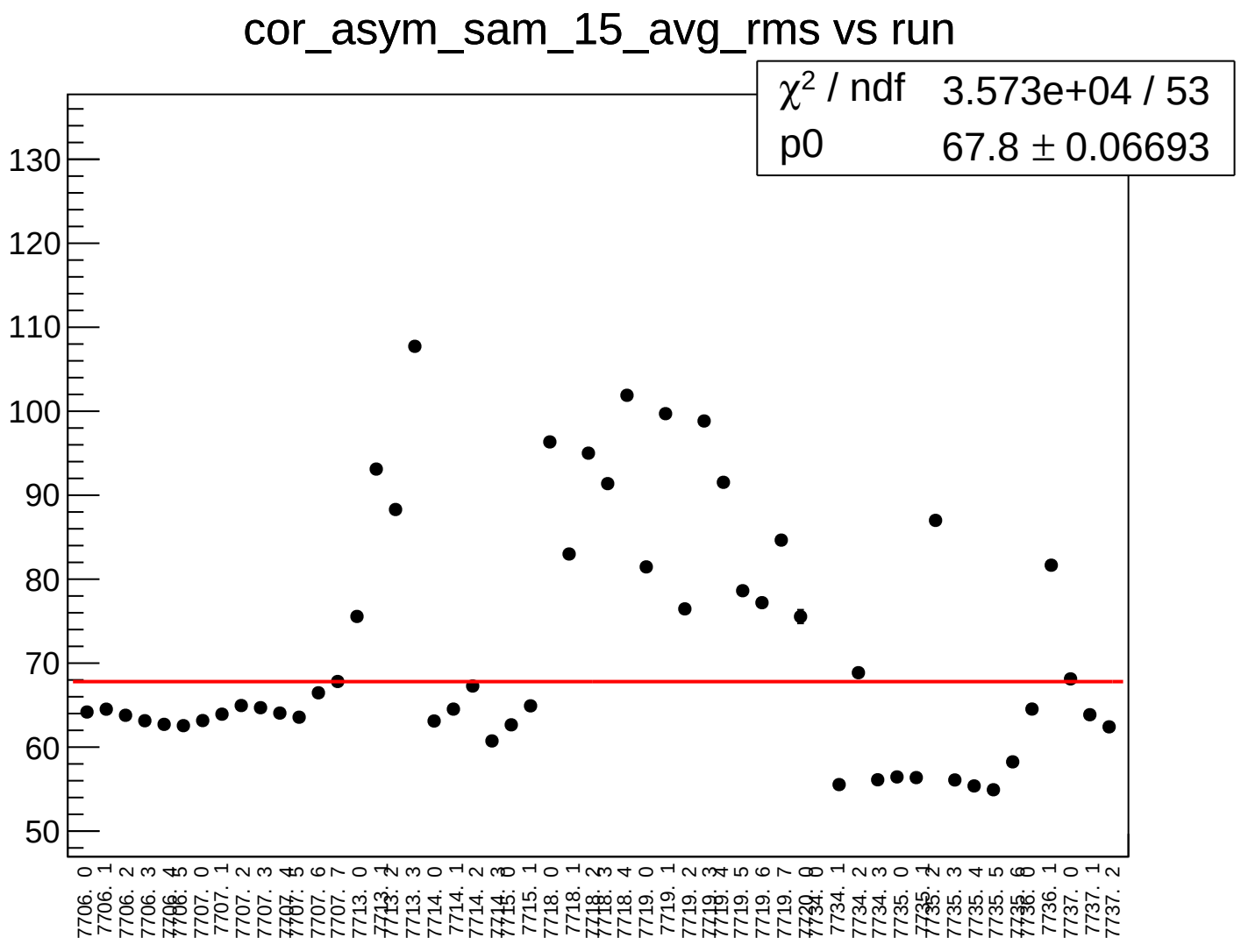

pull1D
Entries 54
Mean −0.007093
Std Dev 1.031

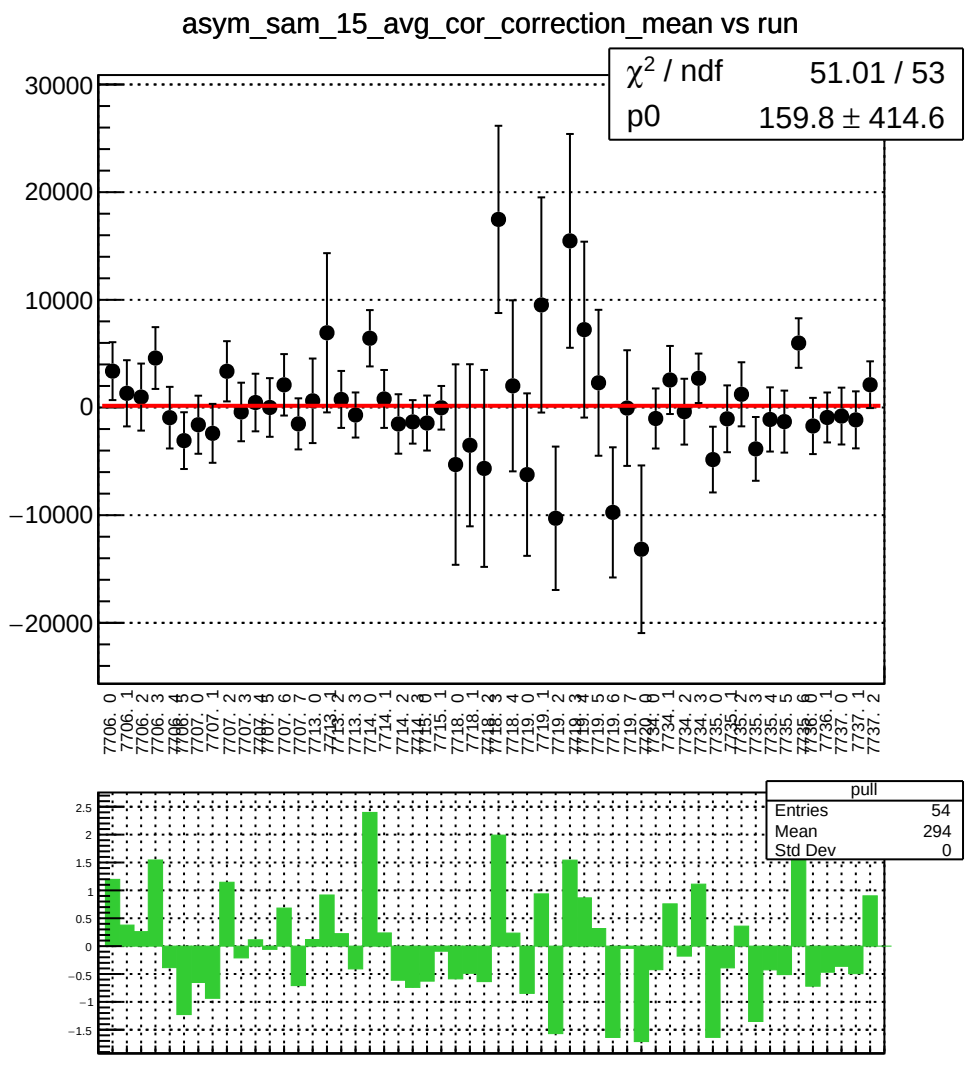

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 3.573e+04 / 53
p0 67.8 ± 0.06693
130
120
110
100
90
80
70
60
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

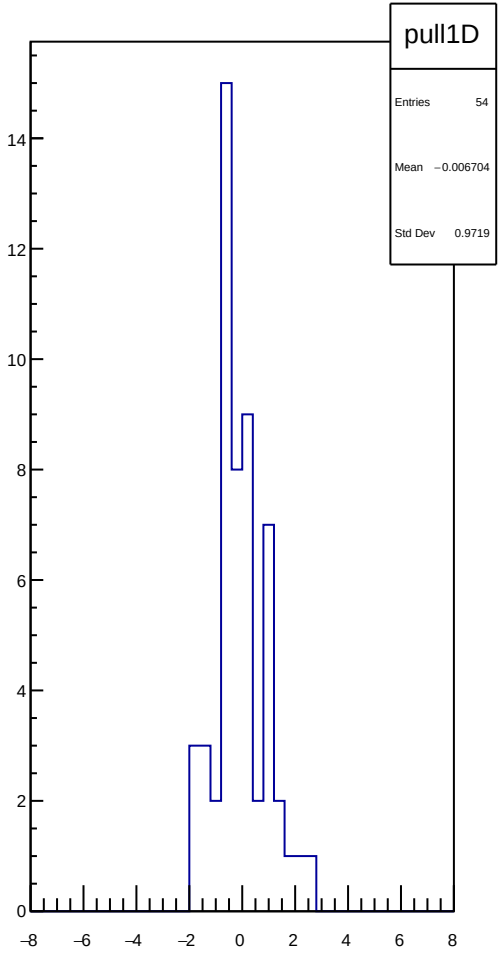

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 51.01 / 53
p0 159.8 ± 414.6
pull
Entries 54
Mean 294
Std Dev 0
pull1D
Entries 54
Mean −0.006705
Std Dev 0.9719

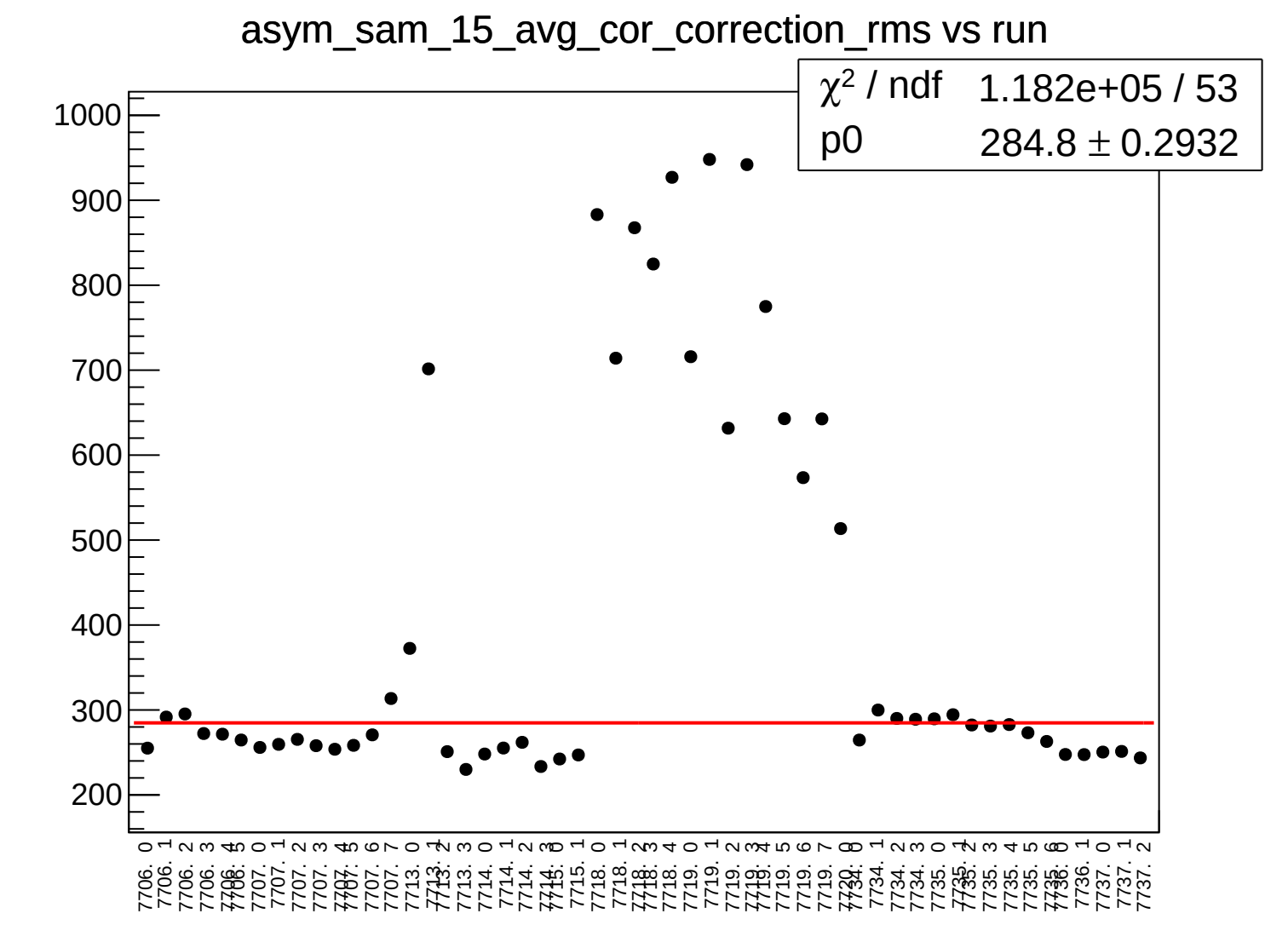

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.182e+05 / 53
p0 284.8 ± 0.2932
1000
900
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

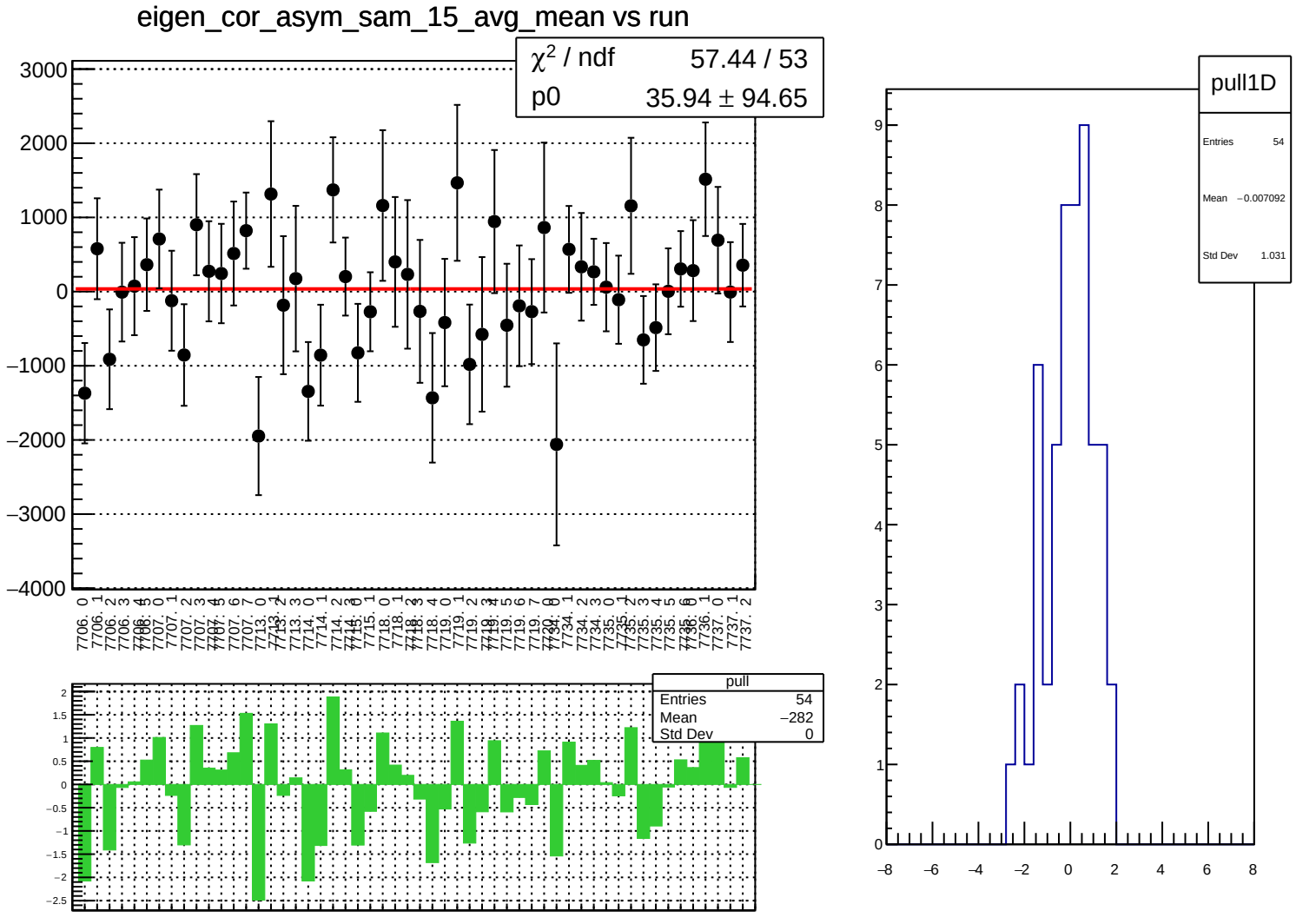

cor_asym_sam_15_avg_mean vs run
χ² / ndf 57.44 / 53
p0 35.94 ± 94.65
pull
Entries 54
Mean −282
Std Dev 0
pull1D
Entries 54
Mean −0.007092
Std Dev 1.031

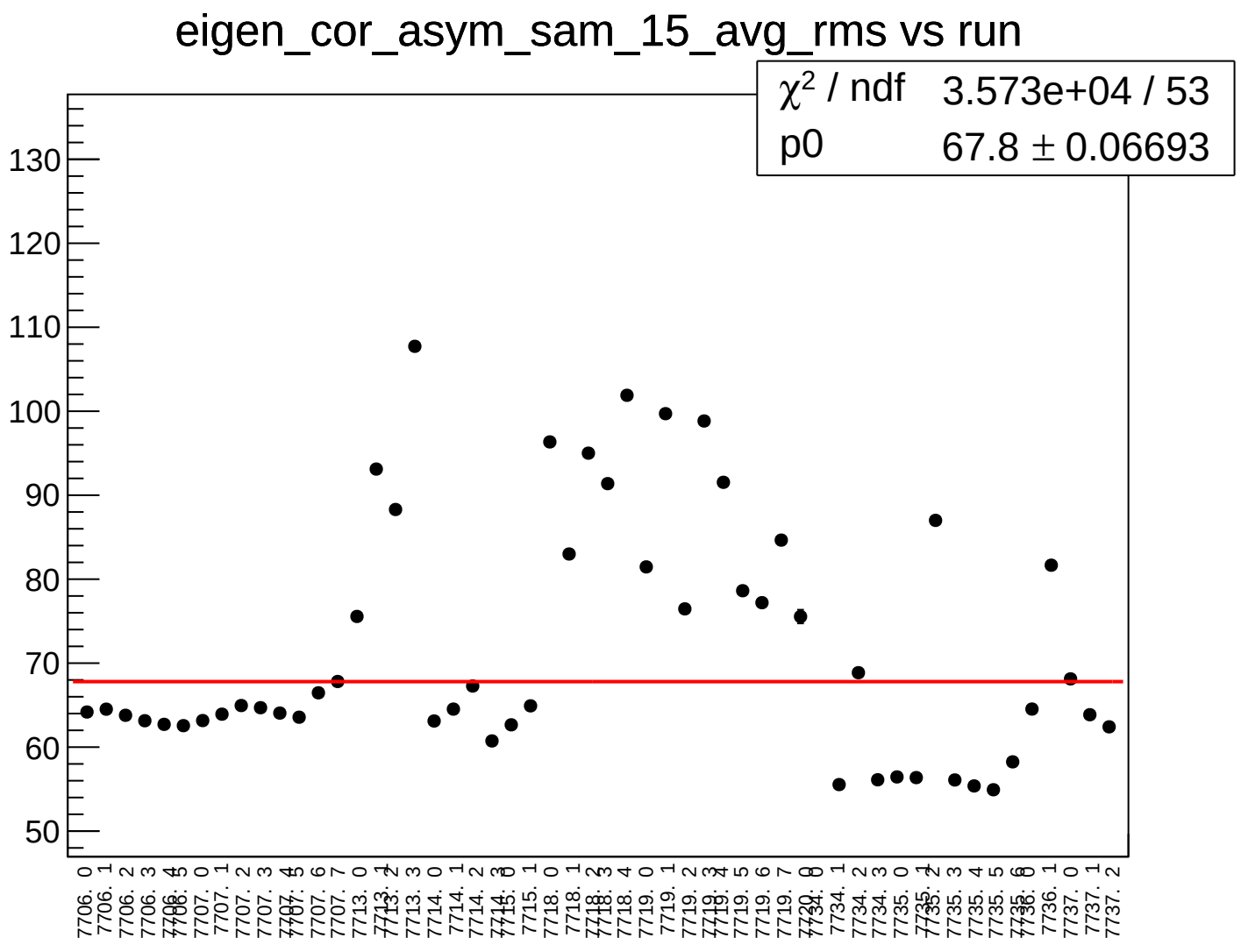

cor_asym_sam_15_avg_rms vs run
χ² / ndf 3.573e+04 / 53
p0 67.8 ± 0.06693
130
120
110
100
90
80
70
60
50

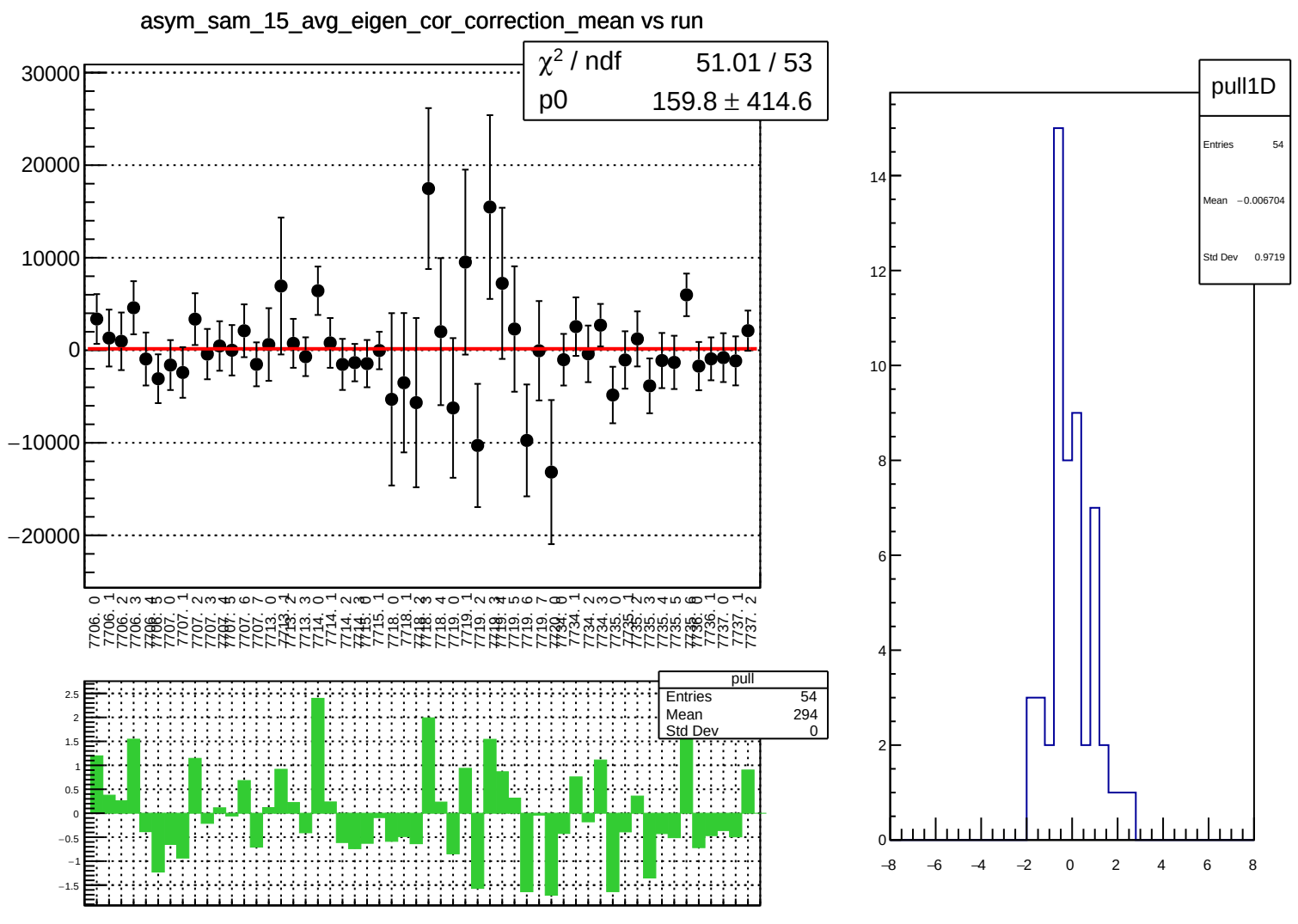

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 51.01 / 53
p0 159.8 ± 414.6
pull
Entries 54
Mean 294
Std Dev 0

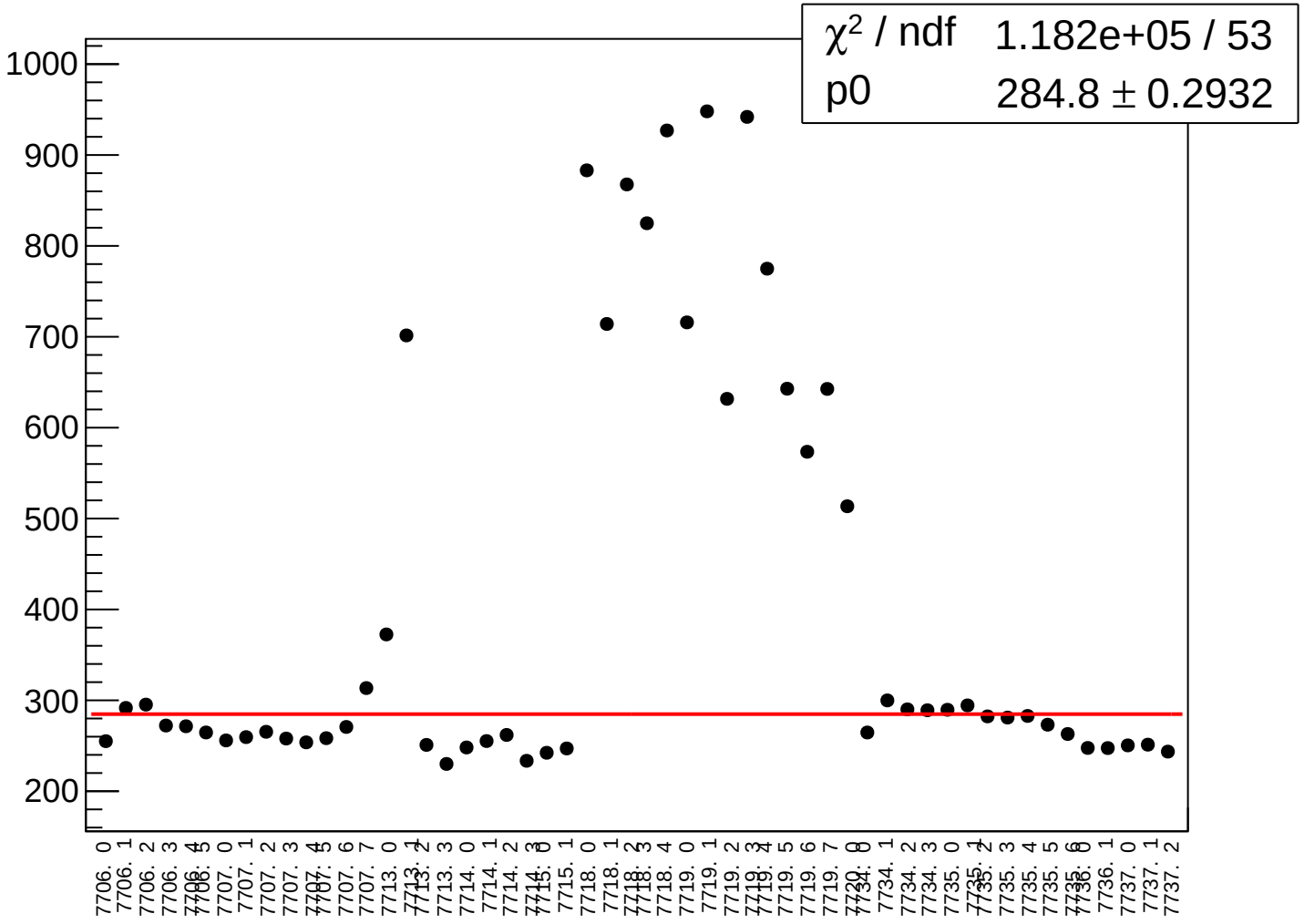

pull1D
Entries 54
Mean −0.006704
Std Dev 0.9719

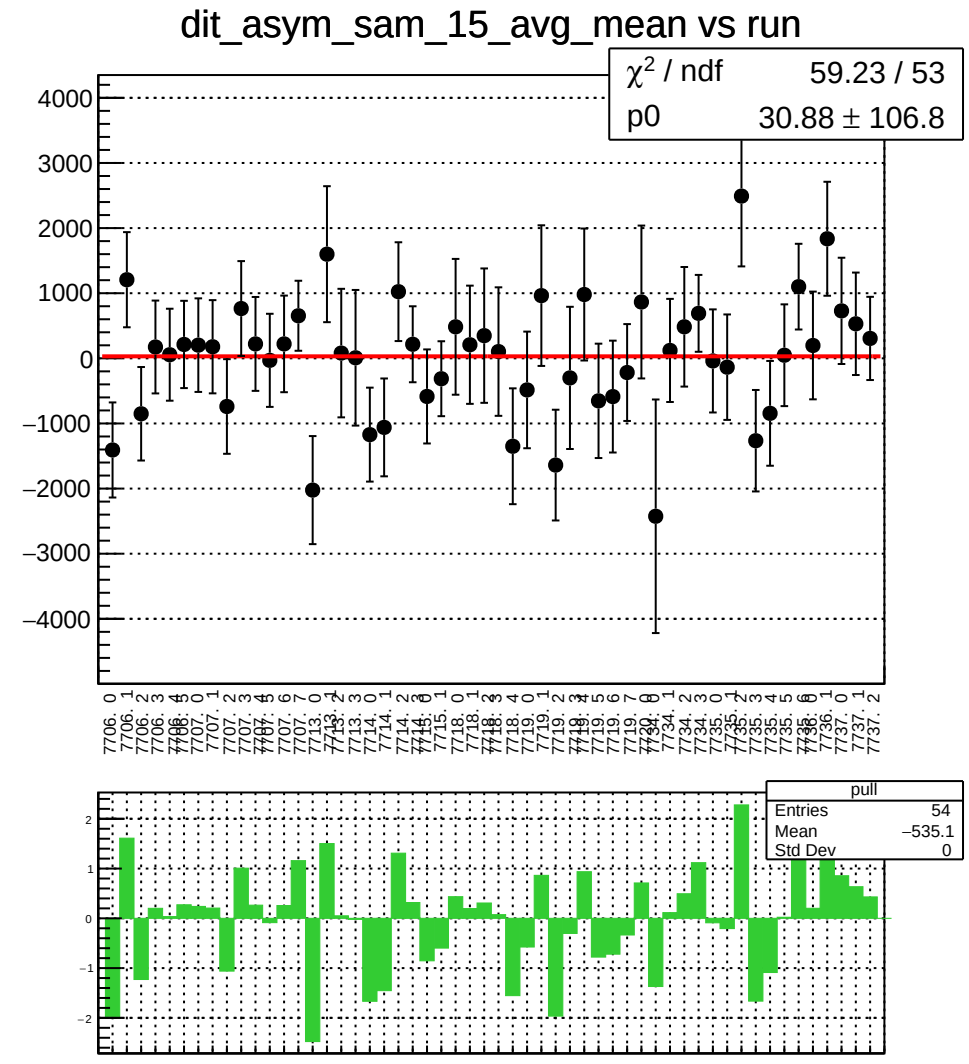

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 1.182e+05 / 53
p0 284.8 ± 0.2932
1000
900
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

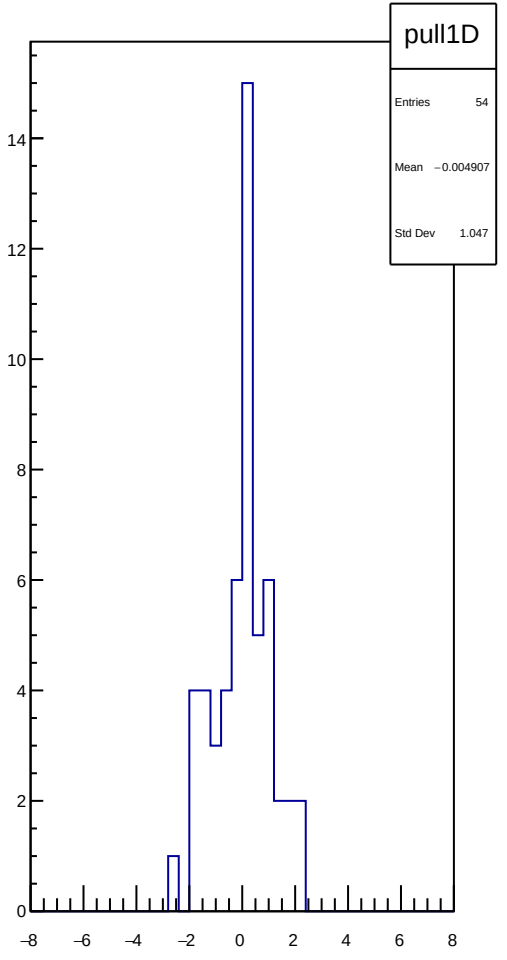

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 57.44 / 53
p0 35.94 ± 94.65
pull
Entries 54
Mean −282
Std Dev 0
pull1D
Entries 54
Mean −0.007092
Std Dev 1.031

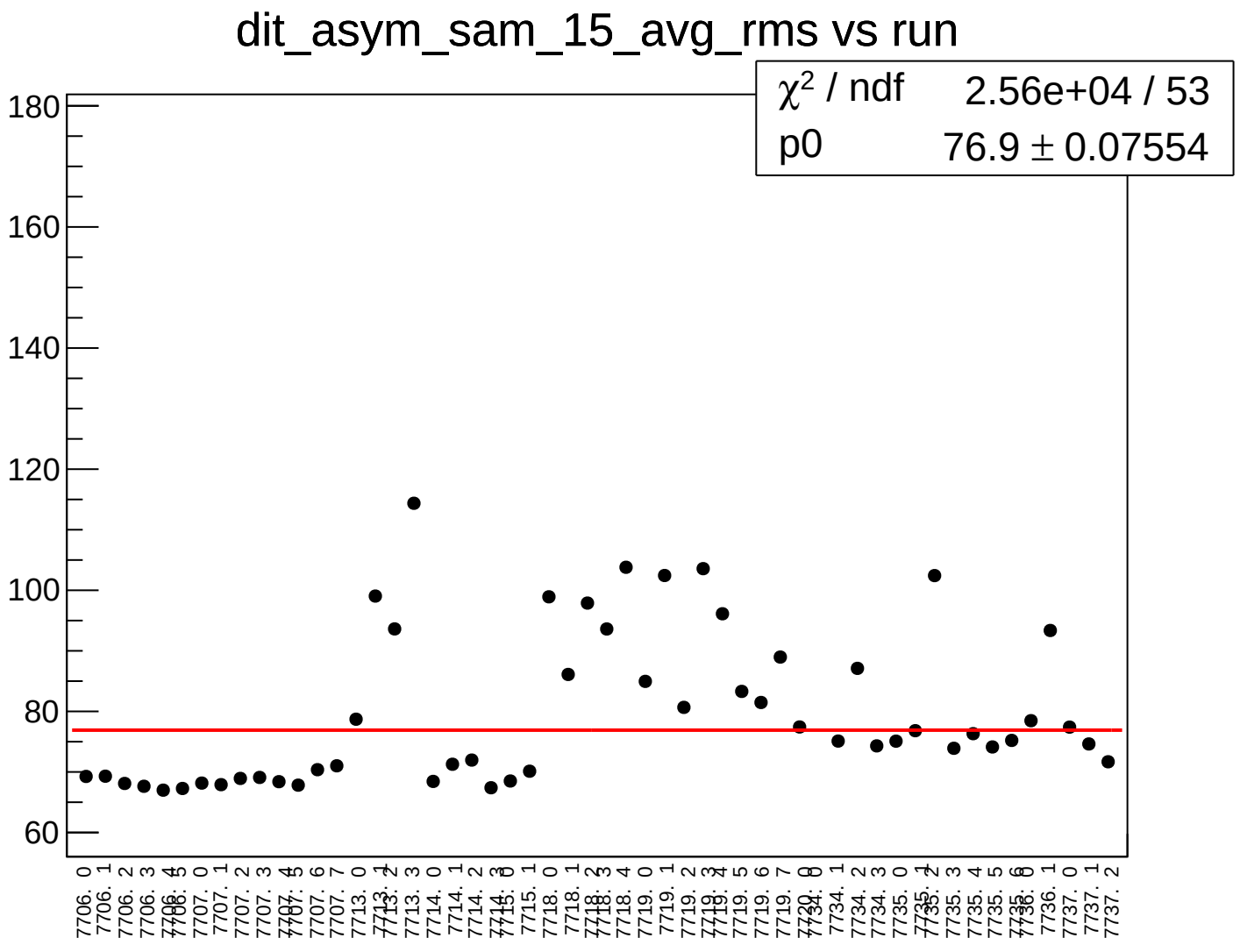

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 3.573e+04 / 53
p0 67.8 ± 0.06693
130
120
110
100
90
80
70
60
50

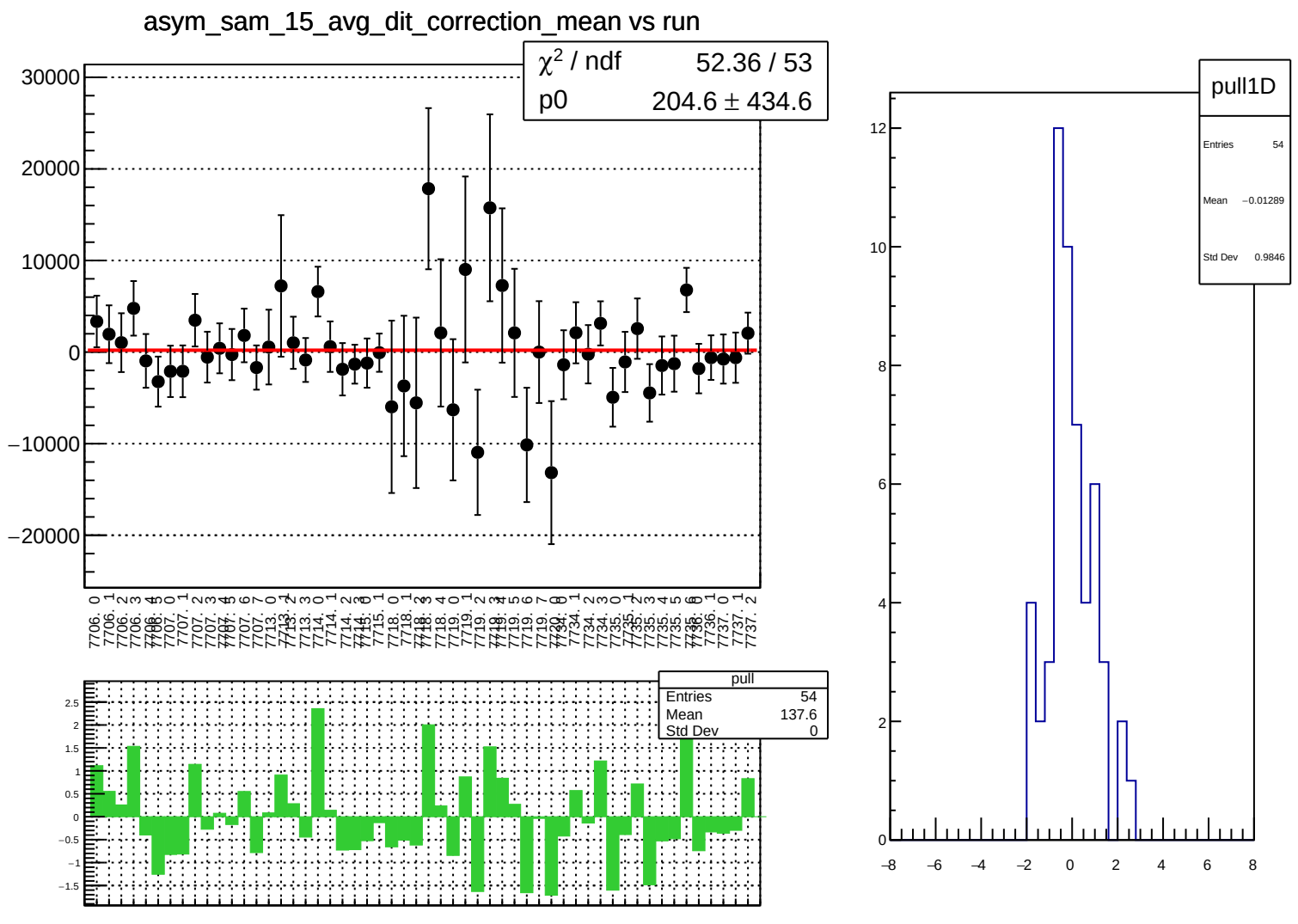

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 51.01 / 53
p0 159.8 ± 414.6
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 294
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.006704
Std Dev 0.9719
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

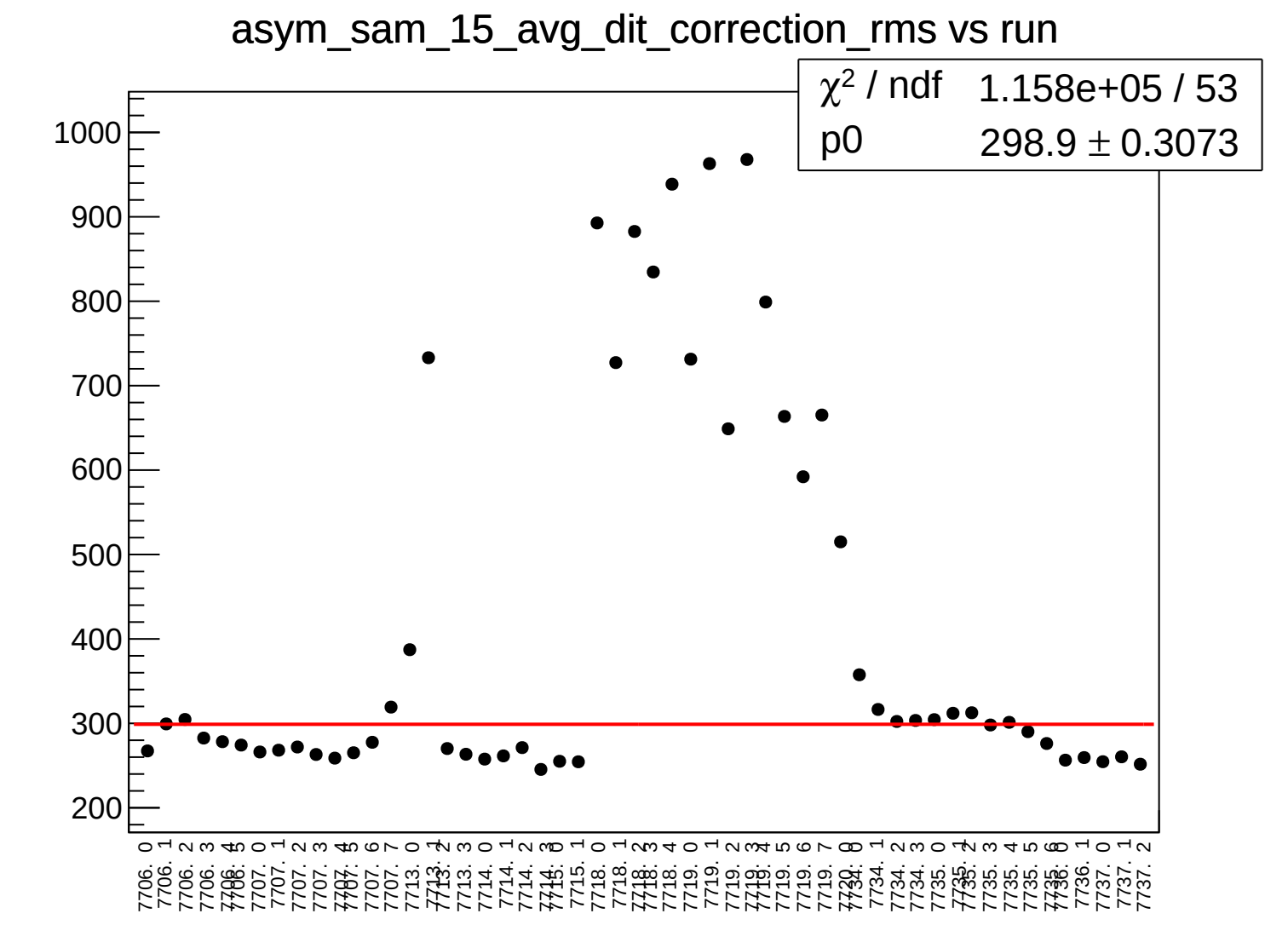

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.182e+05 / 53
p0 284.8 ± 0.2932
1000
900
800
700
600
500
400
300
200

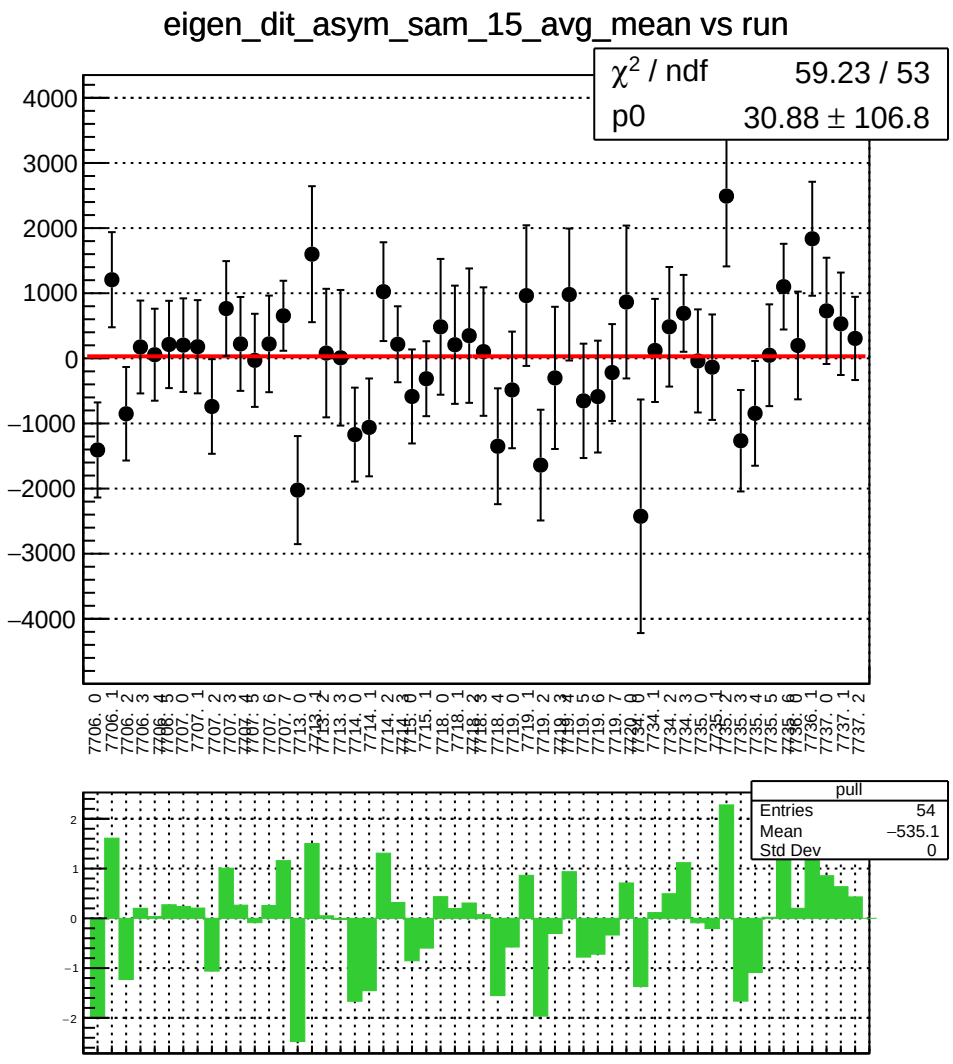

dit_asym_sam_15_avg_mean vs run
χ² / ndf 59.23 / 53
p0 30.88 ± 106.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean −535.1
Std Dev 0
2
1
0
−1
−2

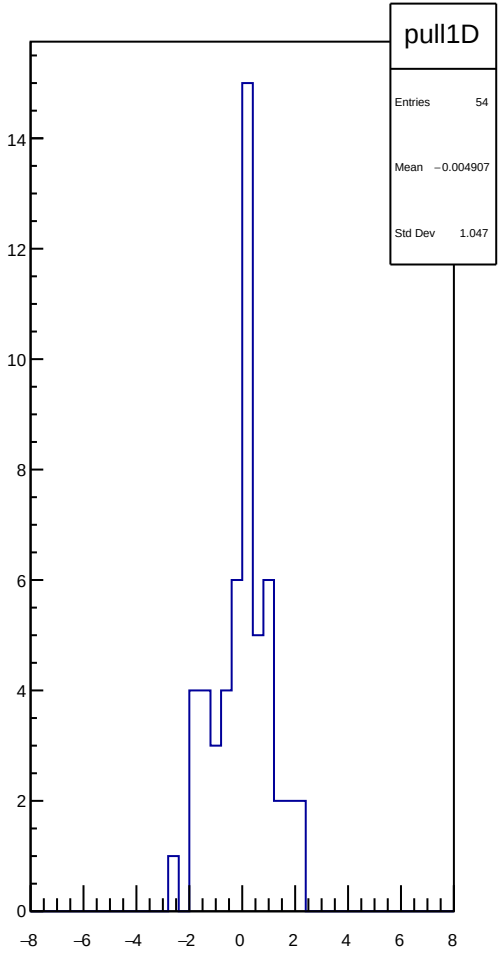

pull1D
Entries 54
Mean −0.004907
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

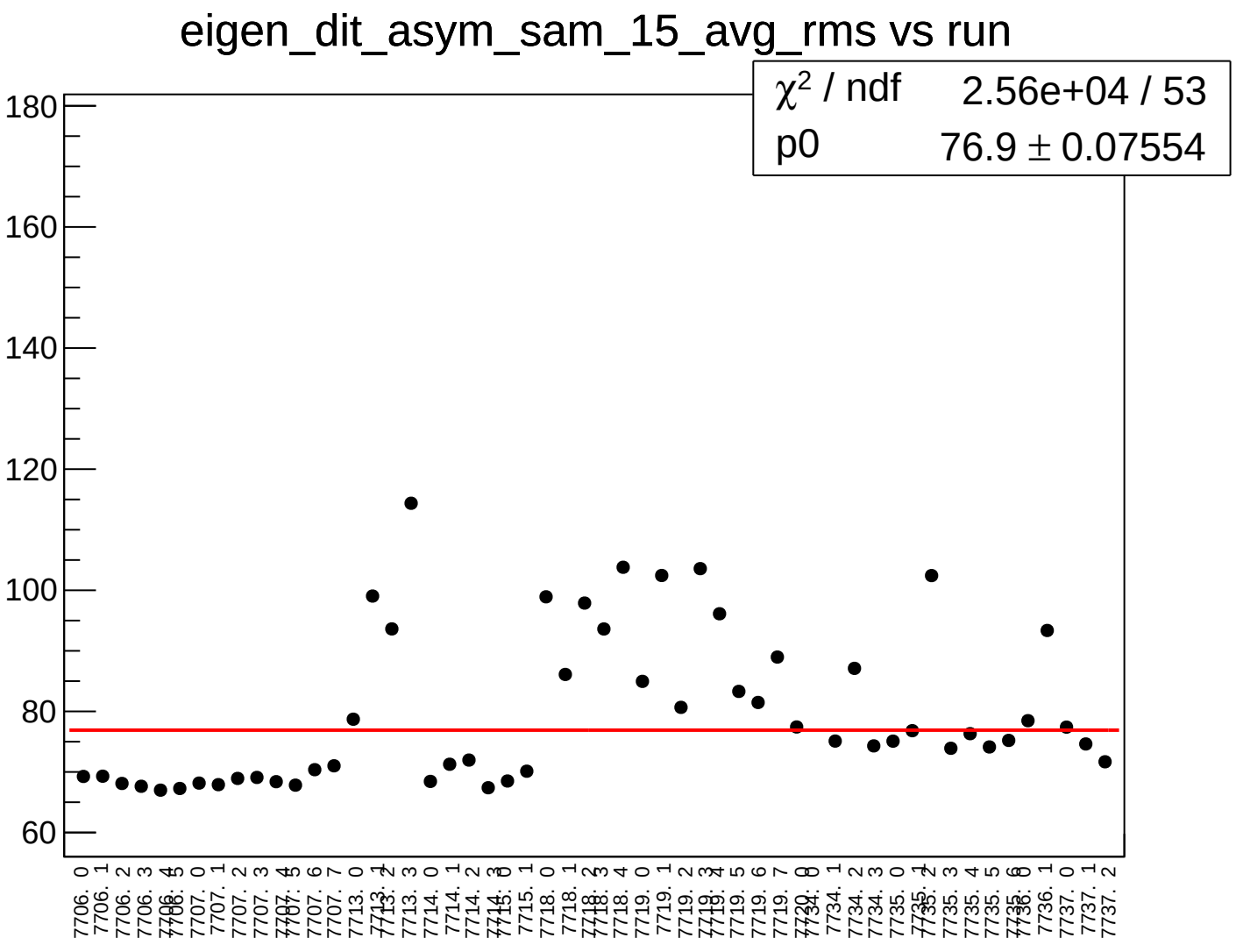

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.56e+04 / 53
p0 76.9 ± 0.07554
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

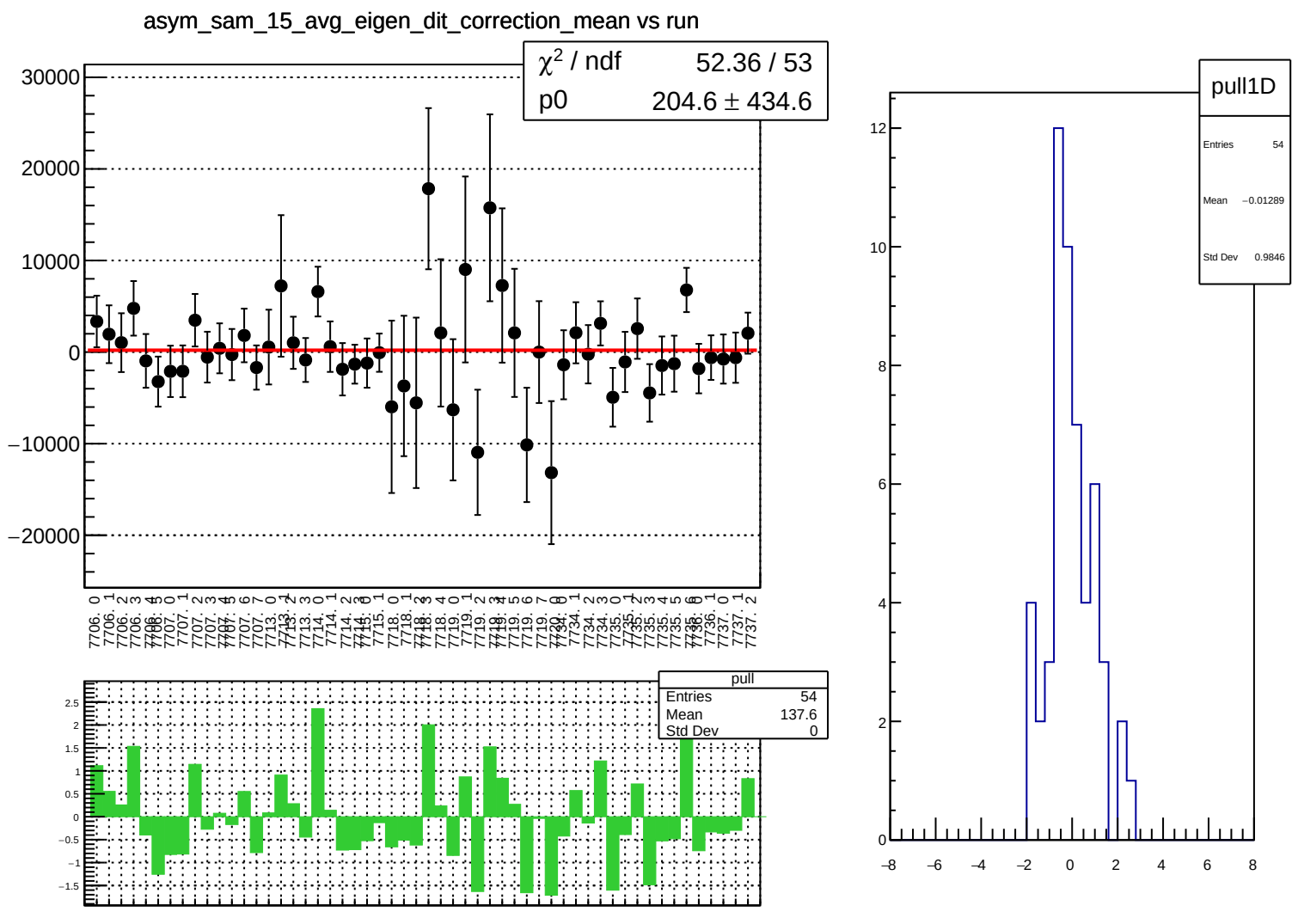

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 52.36 / 53
p0 204.6 ± 434.6
pull
Entries 54
Mean 137.6
Std Dev 0
pull1D
Entries 54
Mean −0.01289
Std Dev 0.9846

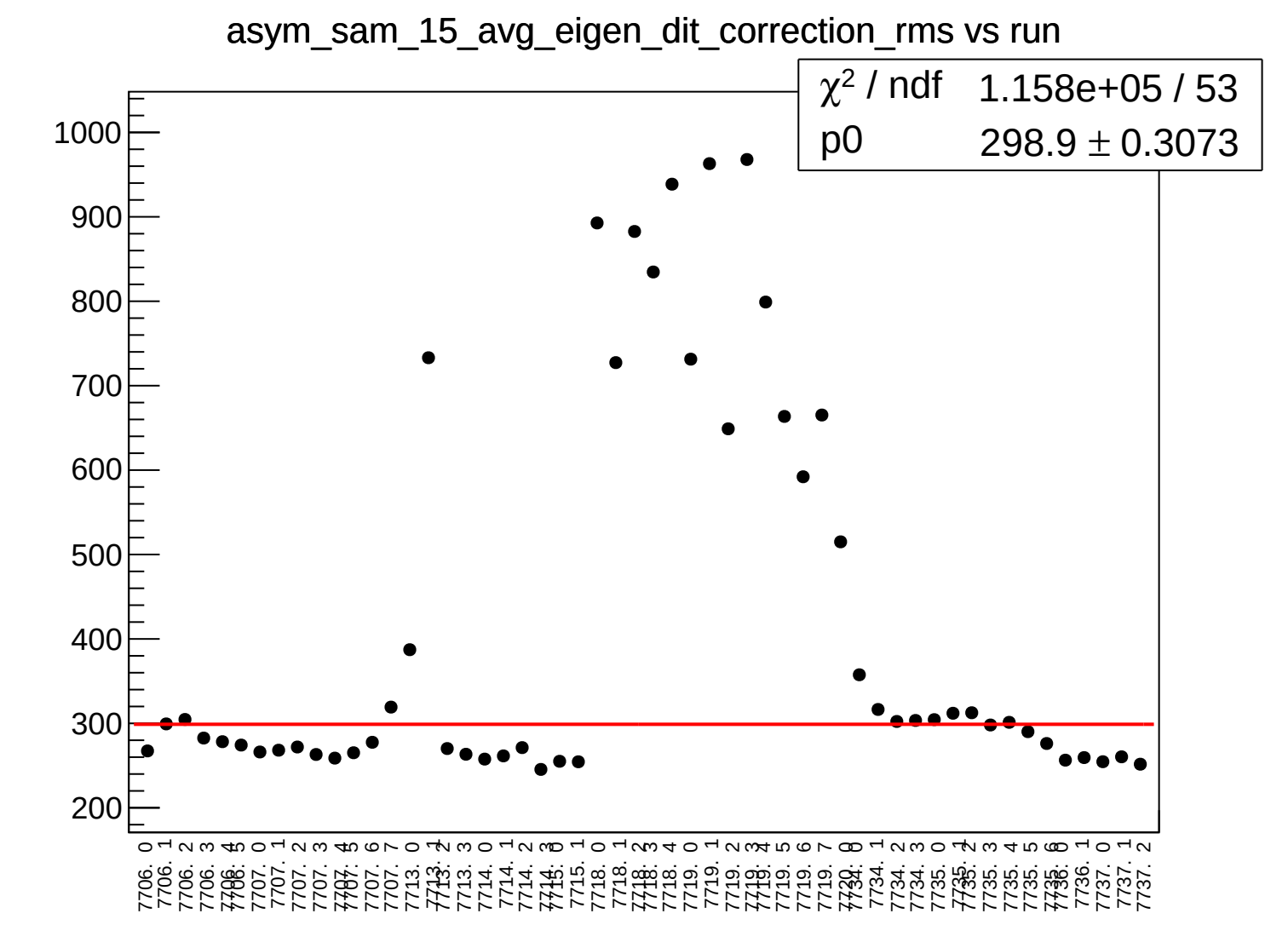

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1.158e+05 / 53
p0 298.9 ± 0.3073
1000
900
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

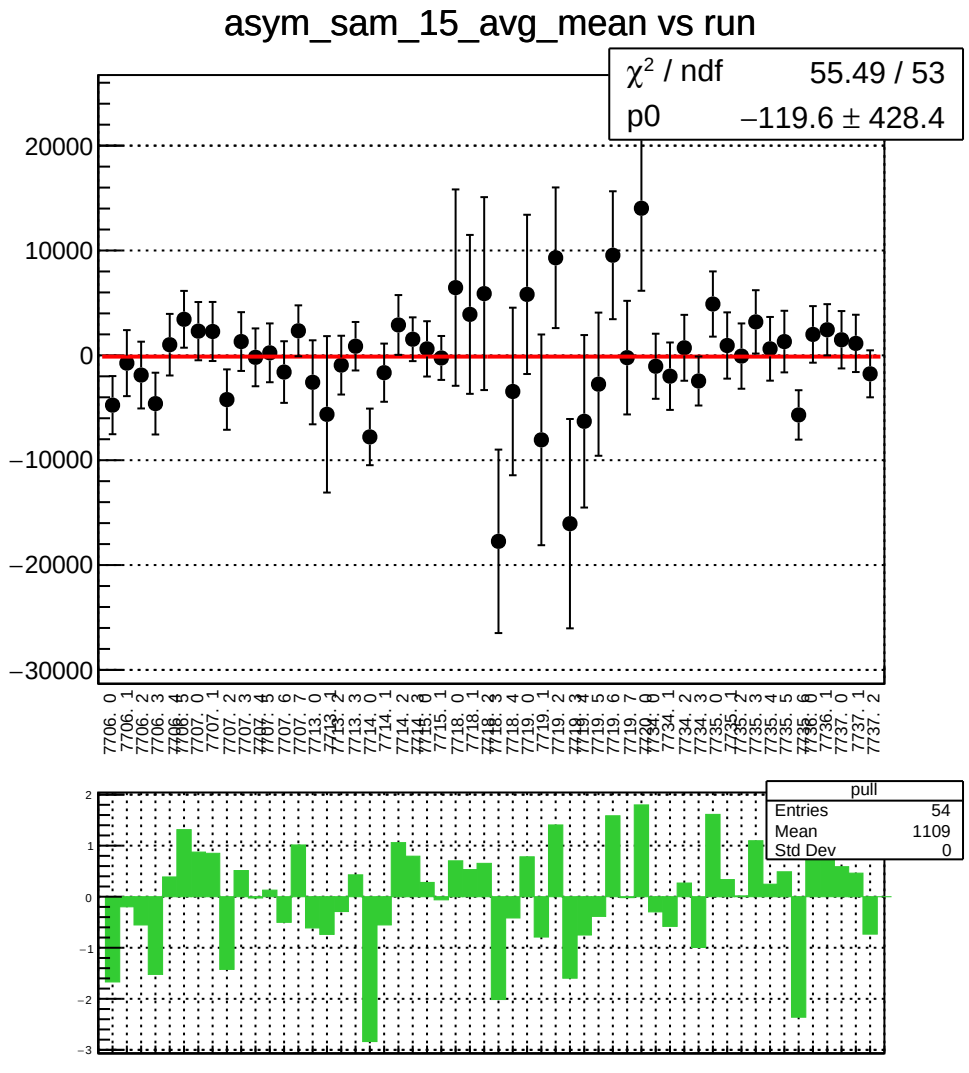

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 59.23 / 53
p0 30.88 ± 106.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean −535.1
Std Dev 0
2
1
0
−1
−2

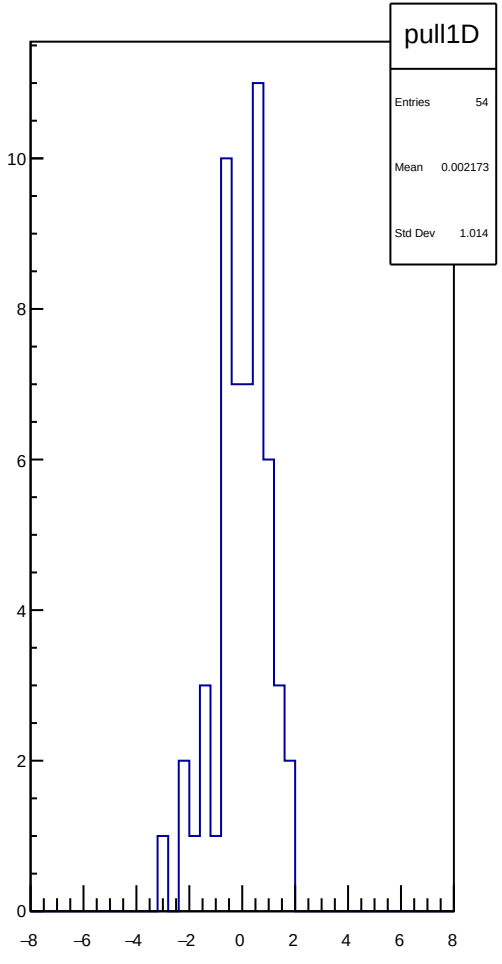

pull1D
Entries 54
Mean −0.004907
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

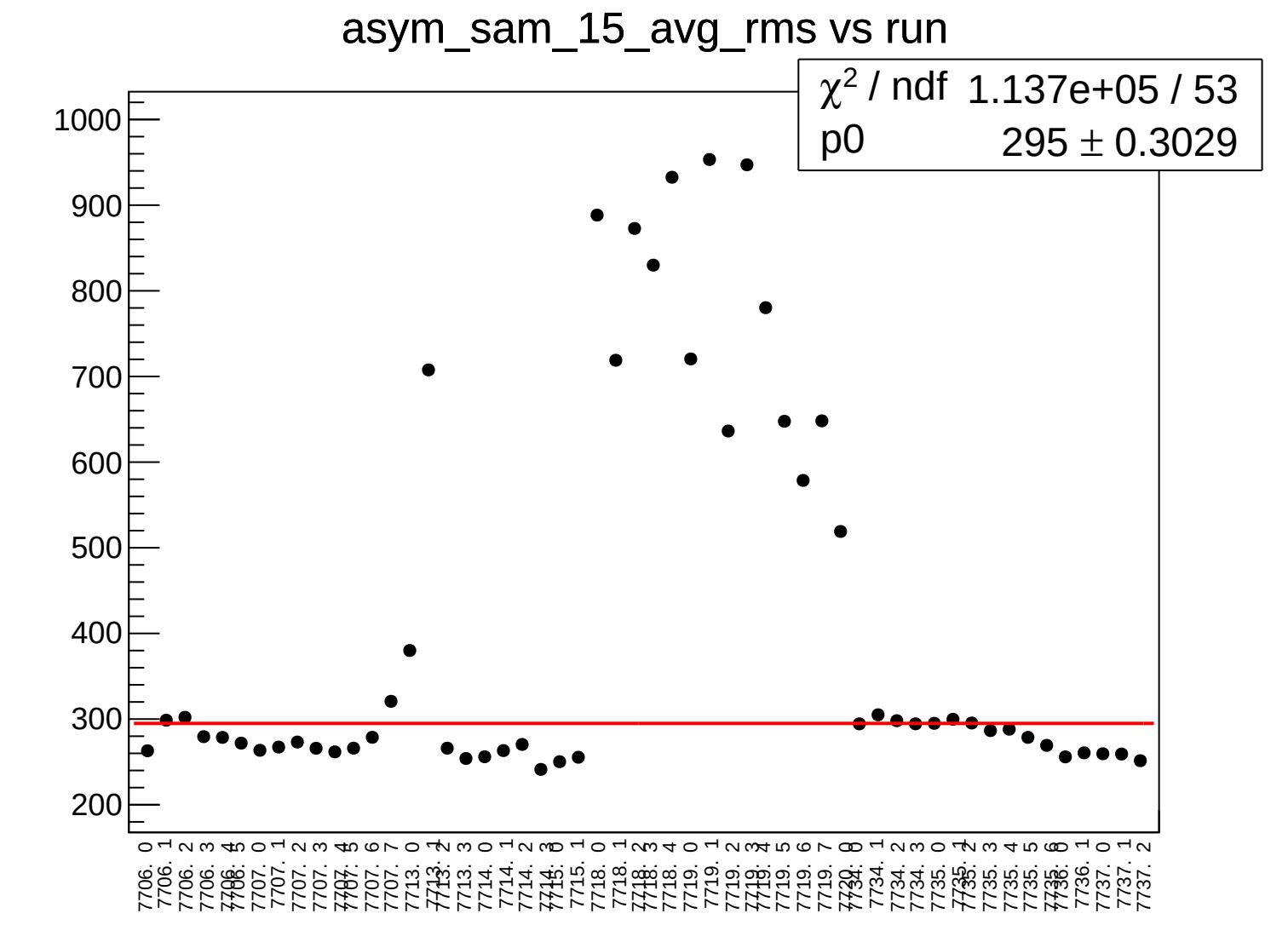

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.56e+04 / 53
p0 76.9 ± 0.07554
180
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

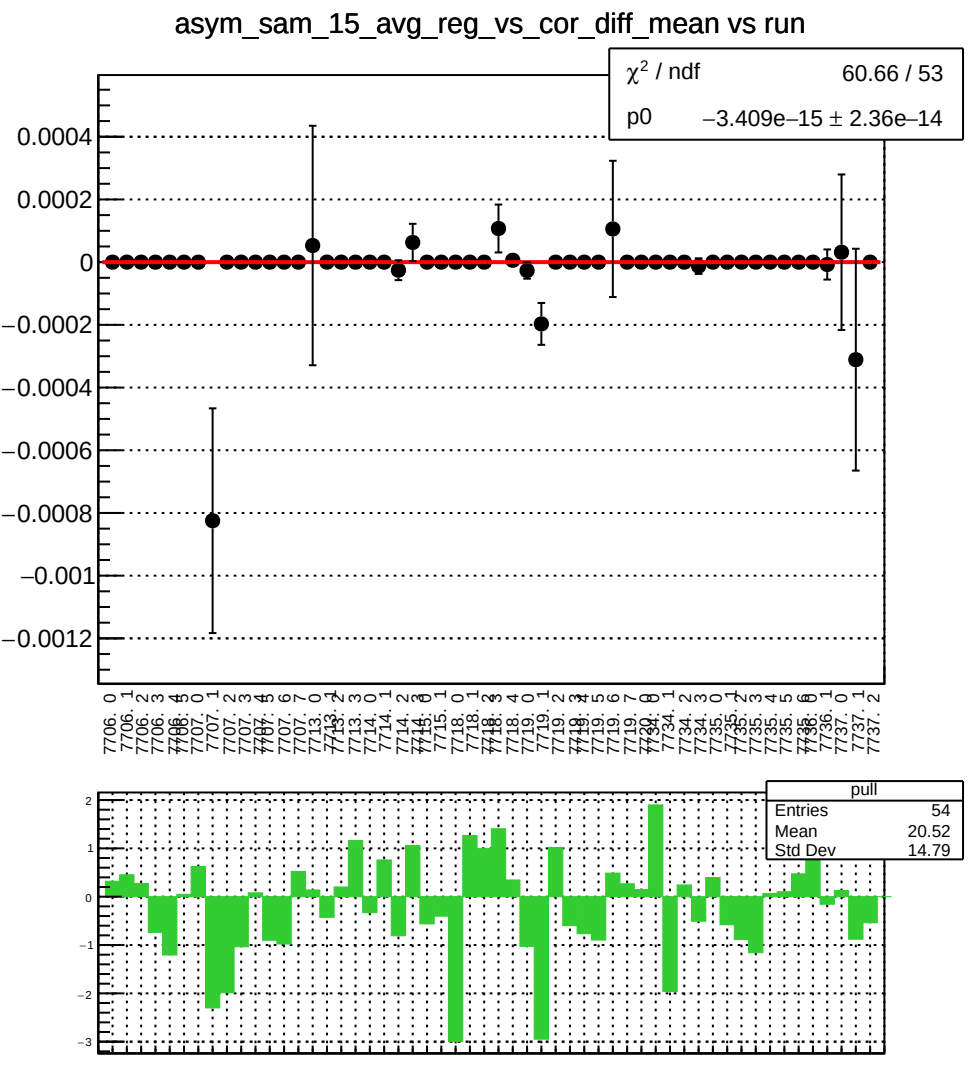

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 52.36 / 53
p0 204.6 ± 434.6
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 137.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.01289
Std Dev 0.9846
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

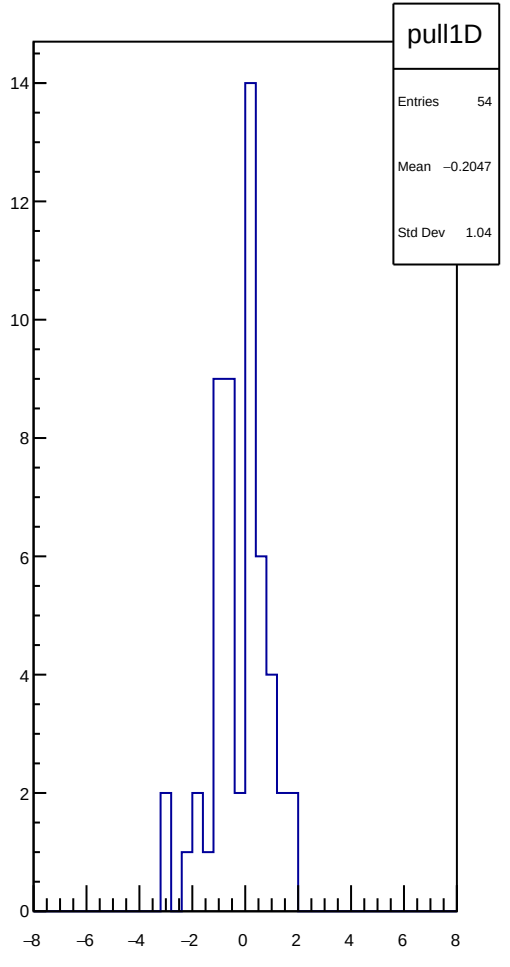

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.158e+05 / 53
p0 298.9 ± 0.3073
1000
900
800
700
600
500
400
300
200

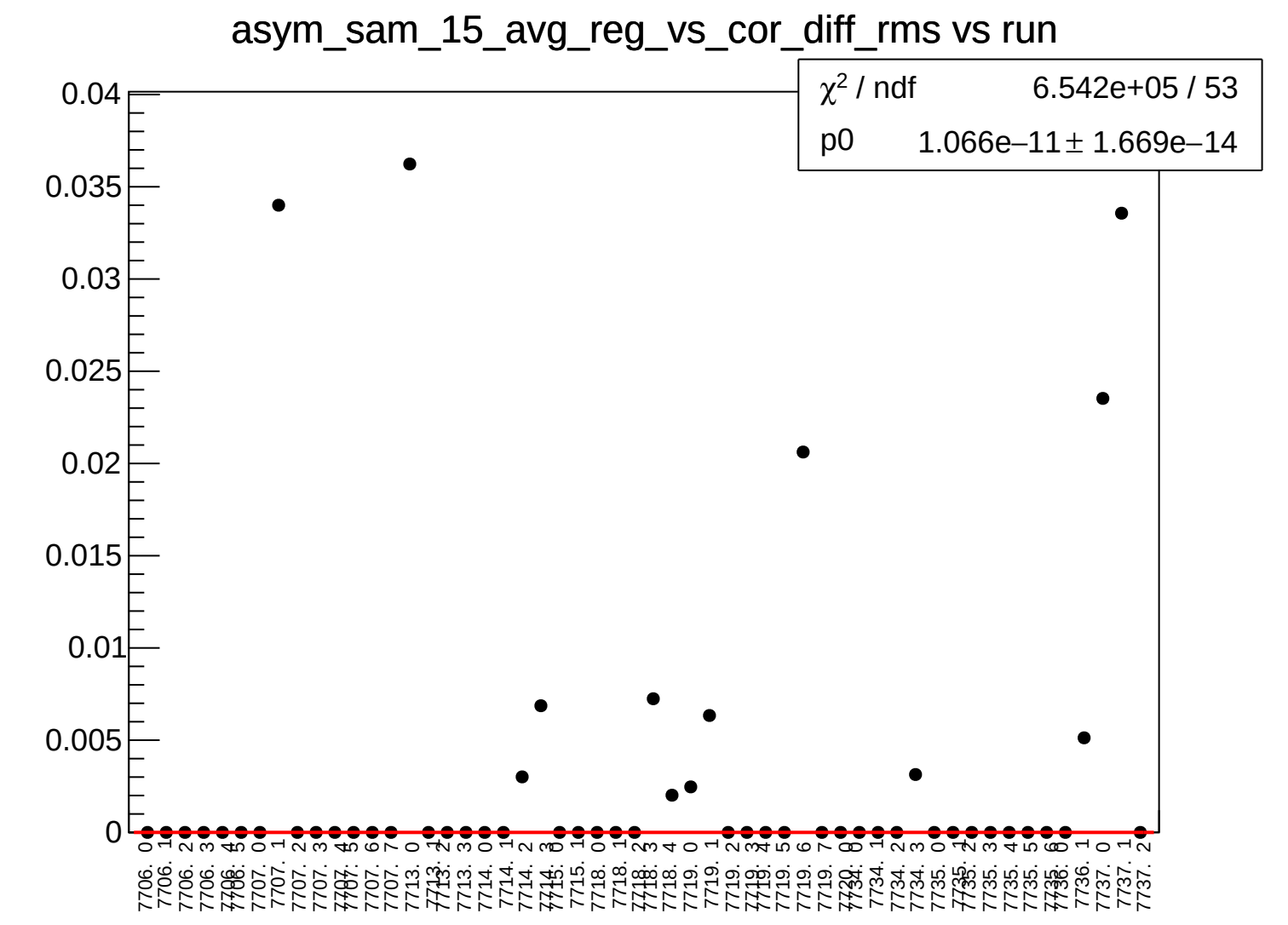

asym_sam_15_avg_mean vs run
χ² / ndf 55.49 / 53
p0 −119.6 ± 428.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1109
Std Dev 0
2
1
0
−1
−2
−3

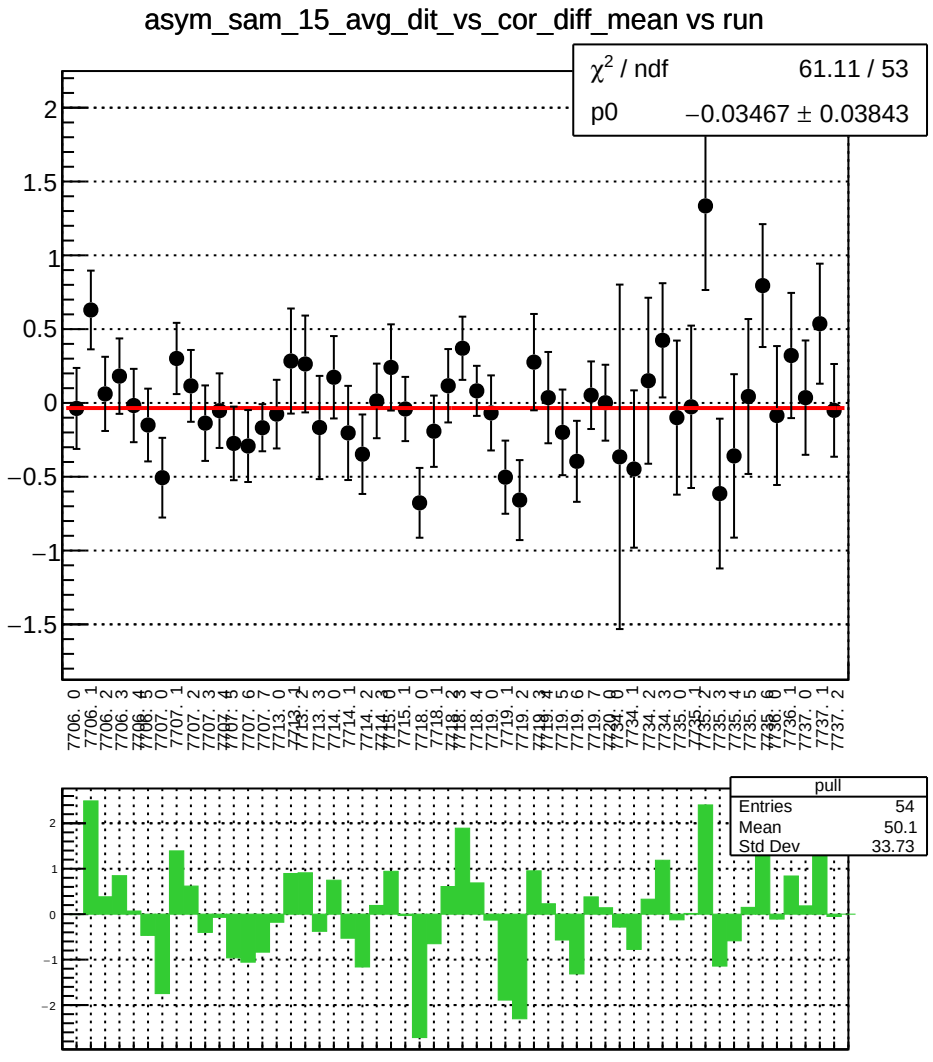

pull1D
Entries 54
Mean 0.002173
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

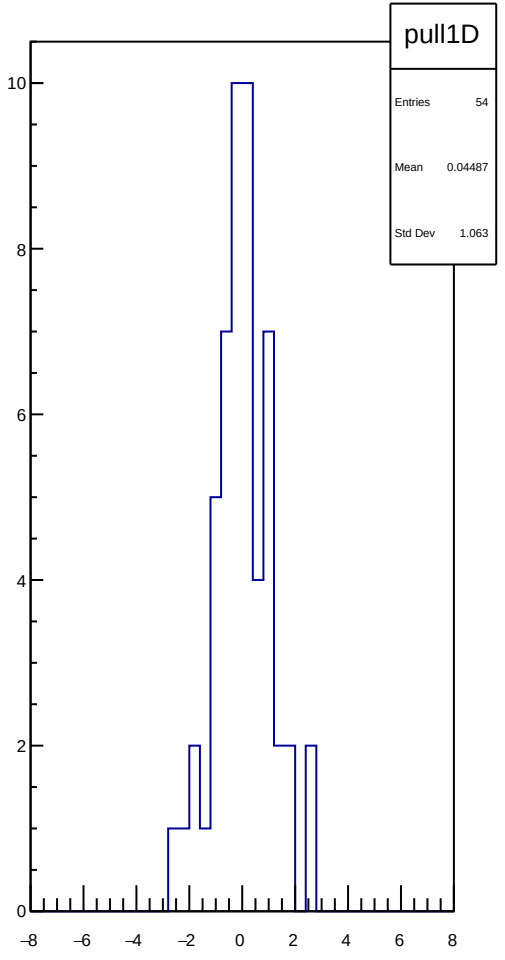

asym_sam_15_avg_rms vs run
χ² / ndf 1.137e+05 / 53
p0 295 ± 0.3029
1000
900
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

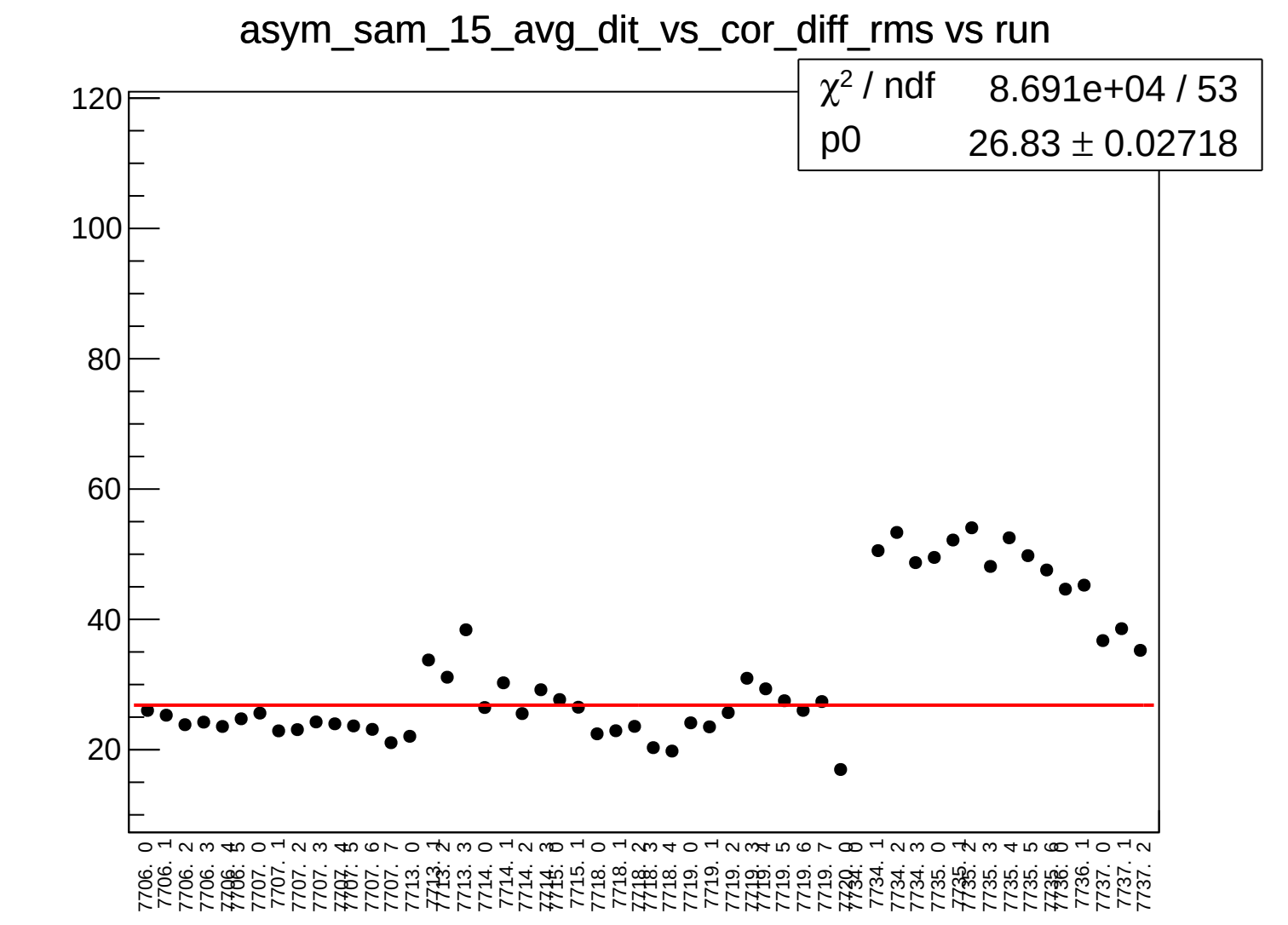

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.66 / 53
p0 −3.409e−15 ± 2.36e−14
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 54
Mean 20.52
Std Dev 14.79
2
1
0
−1
−2
−3

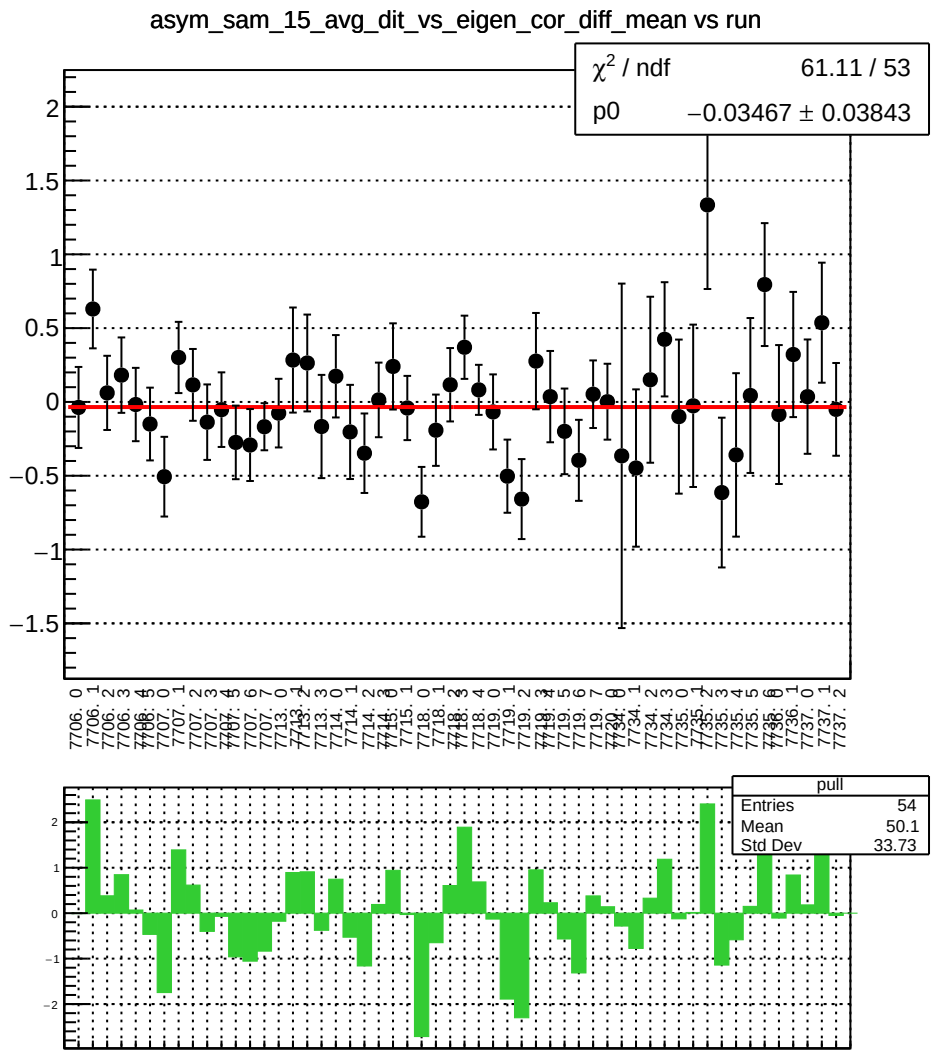

pull1D
Entries 54
Mean −0.2047
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

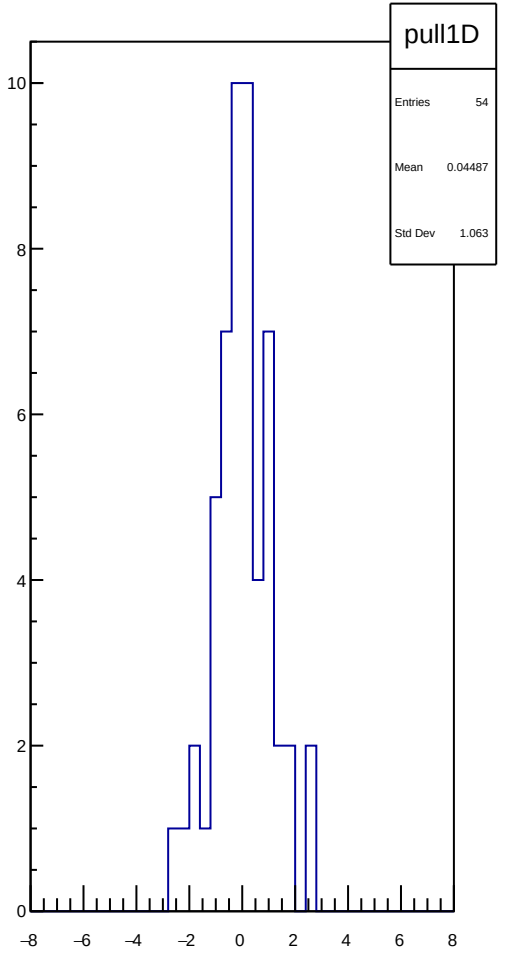

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.542e+05 / 53
p0 1.066e−11 ± 1.669e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

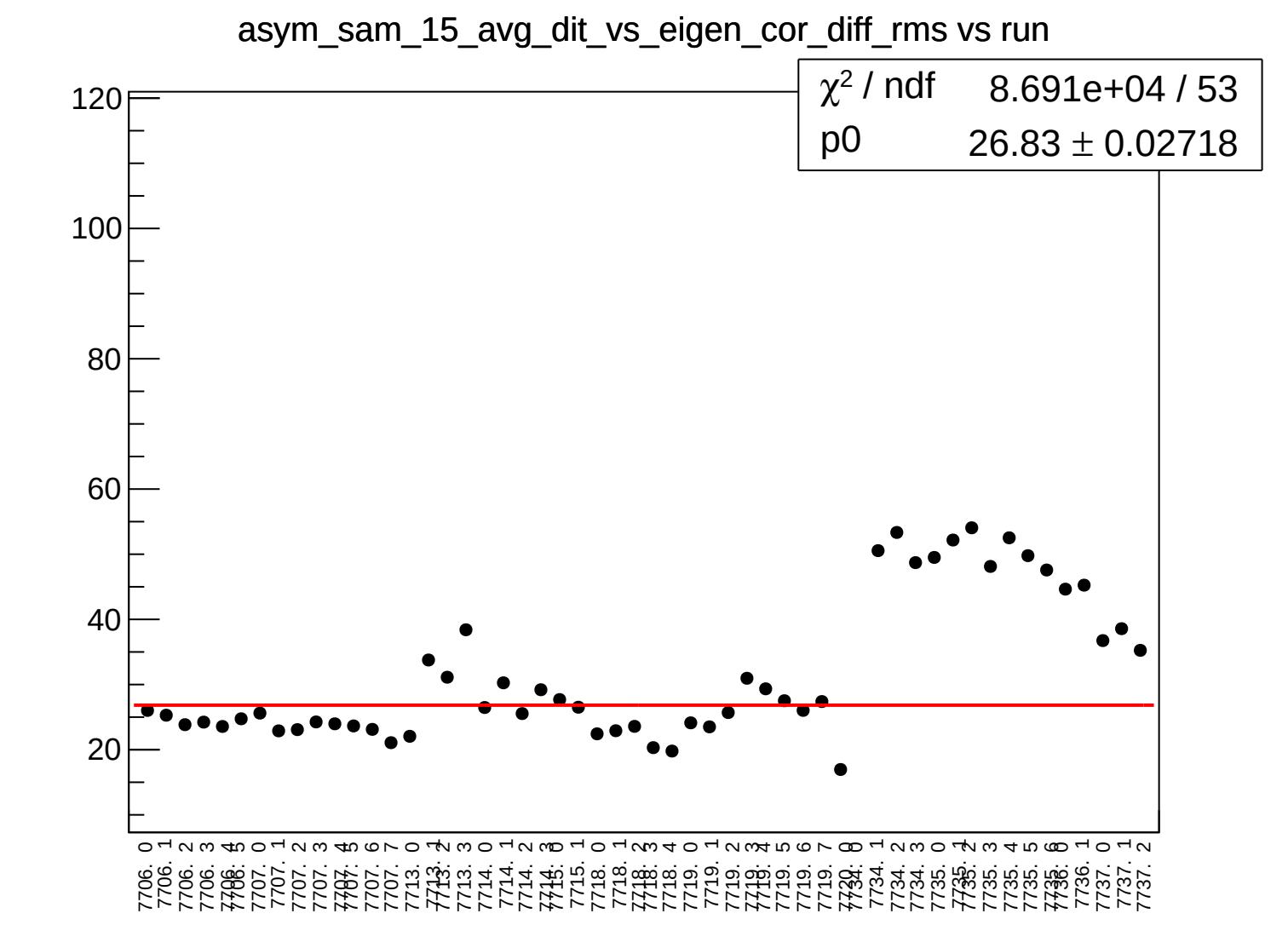

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.11 / 53
p0 −0.03467 ± 0.03843
pull
Entries 54
Mean 50.1
Std Dev 33.73

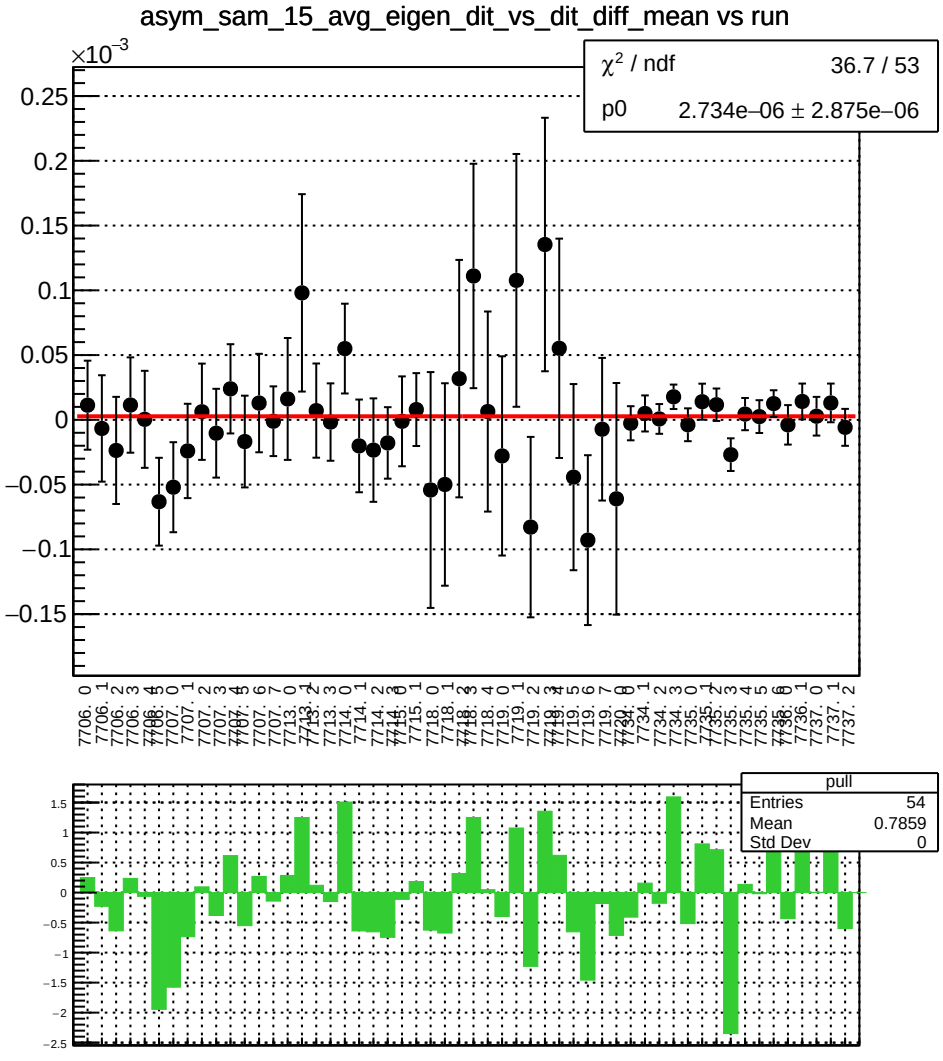

pull1D
Entries 54
Mean 0.04487
Std Dev 1.063

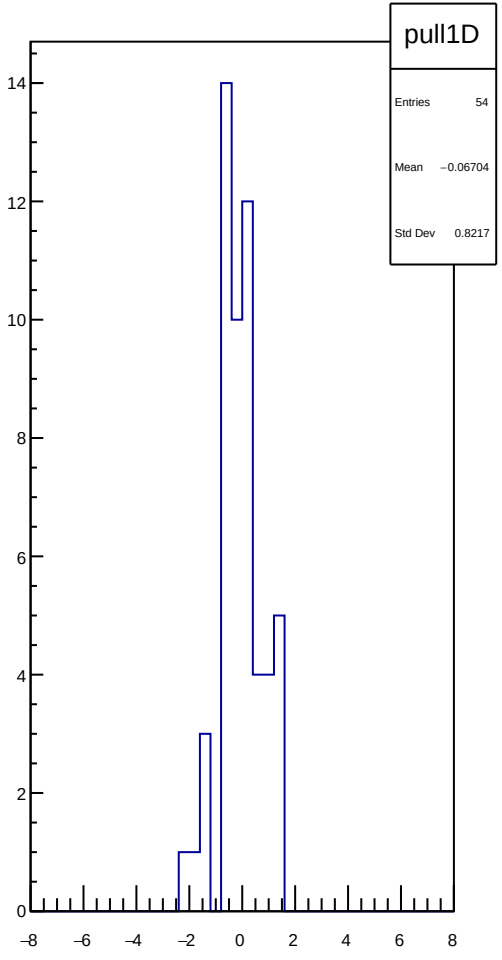

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.691e+04 / 53
p0 26.83 ± 0.02718
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

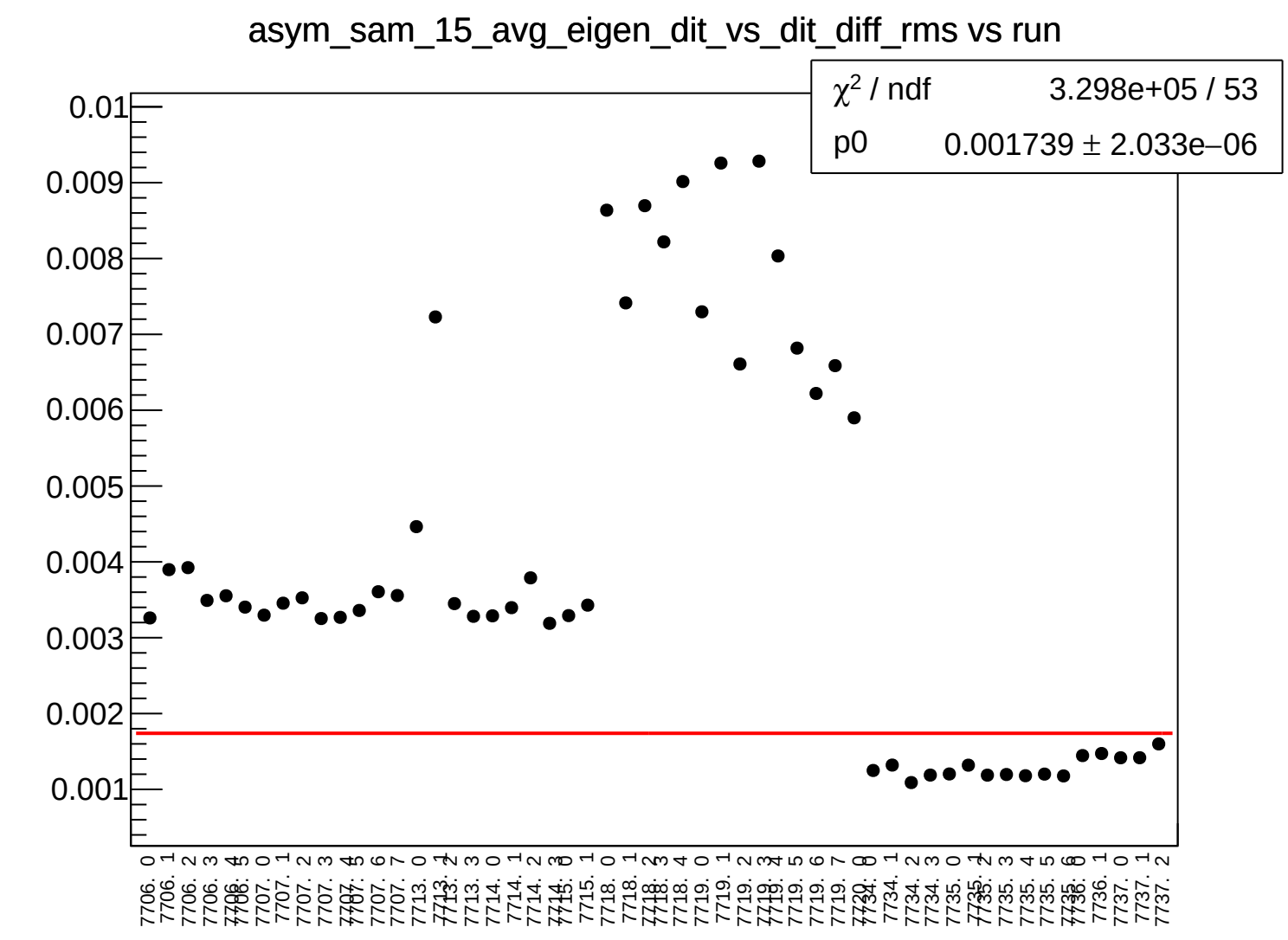

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.11 / 53
p0 −0.03467 ± 0.03843
pull
Entries 54
Mean 50.1
Std Dev 33.73

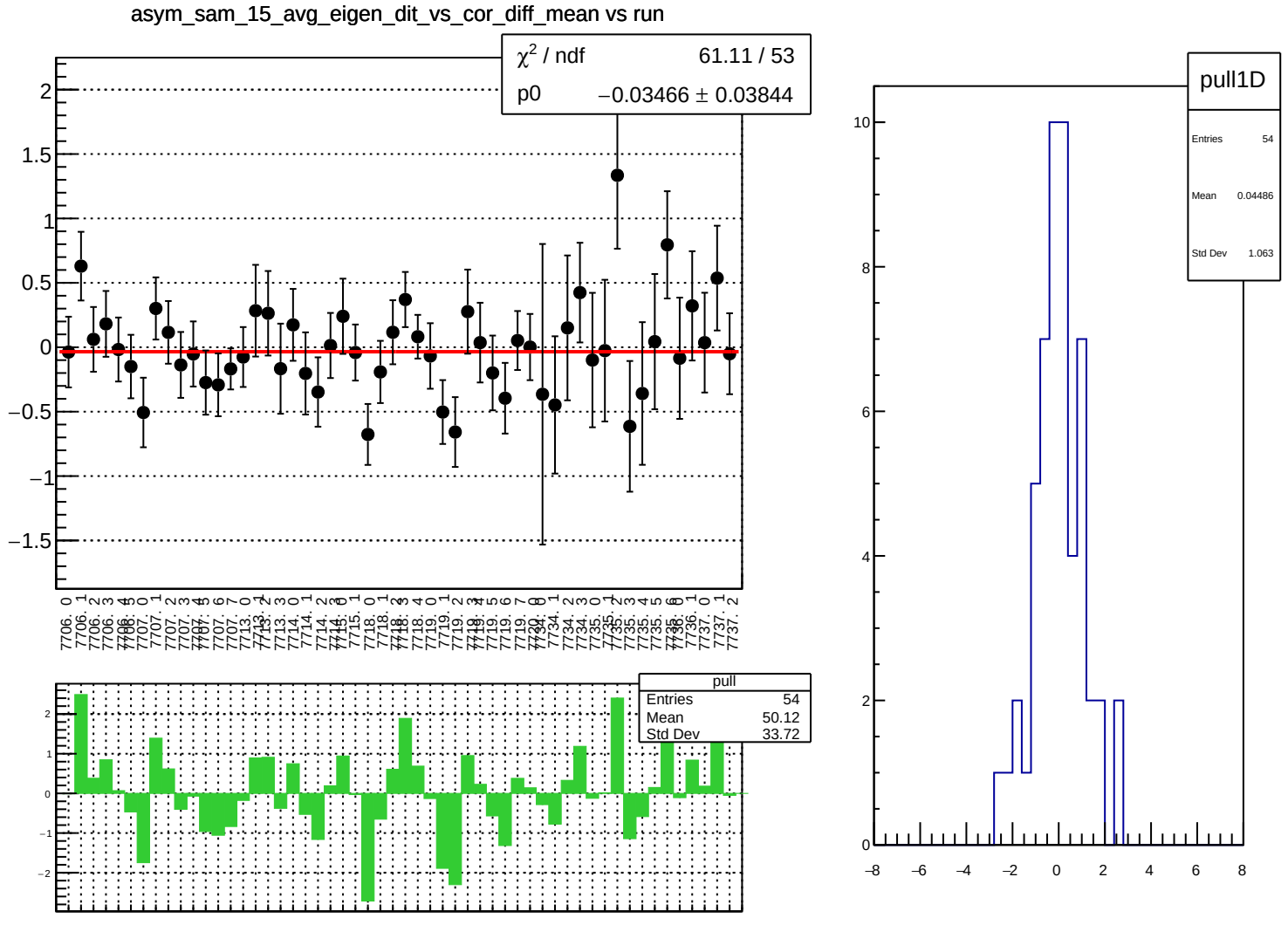

pull1D
Entries 54
Mean 0.04487
Std Dev 1.063

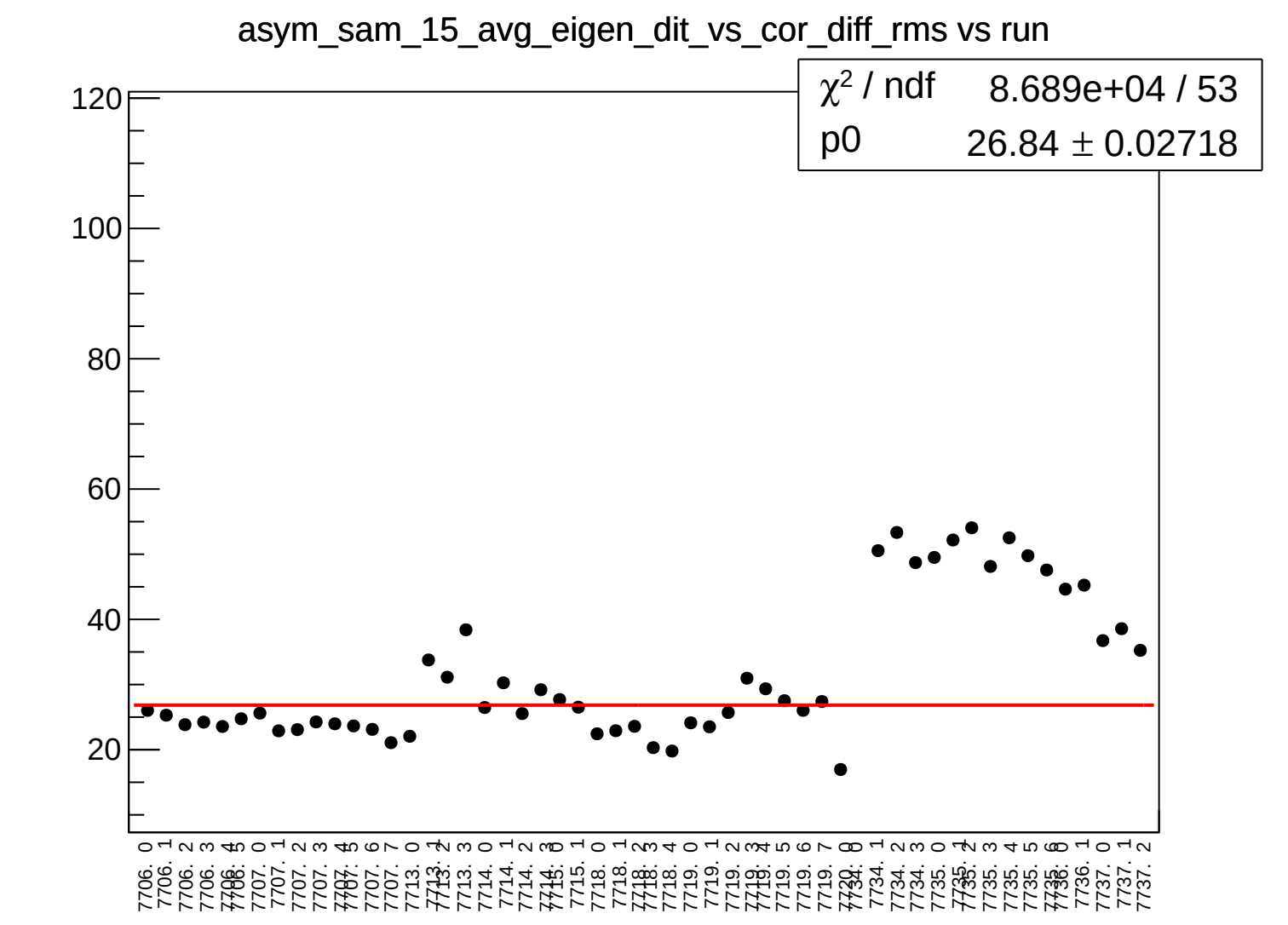

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.691e+04 / 53
p0 26.83 ± 0.02718
120
100
80
60
40
20

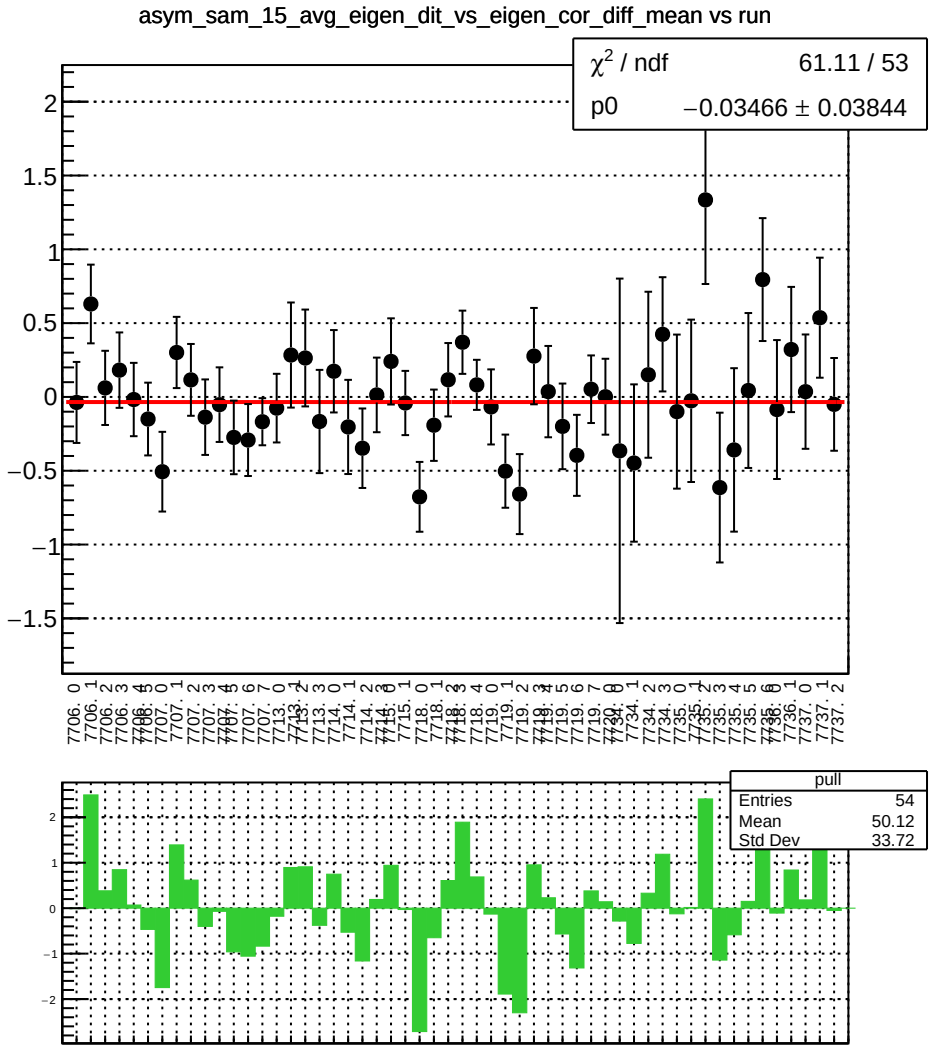

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 36.7 / 53
p0 2.734e−06 ± 2.875e−06
pull
Entries 54
Mean 0.7859
Std Dev 0

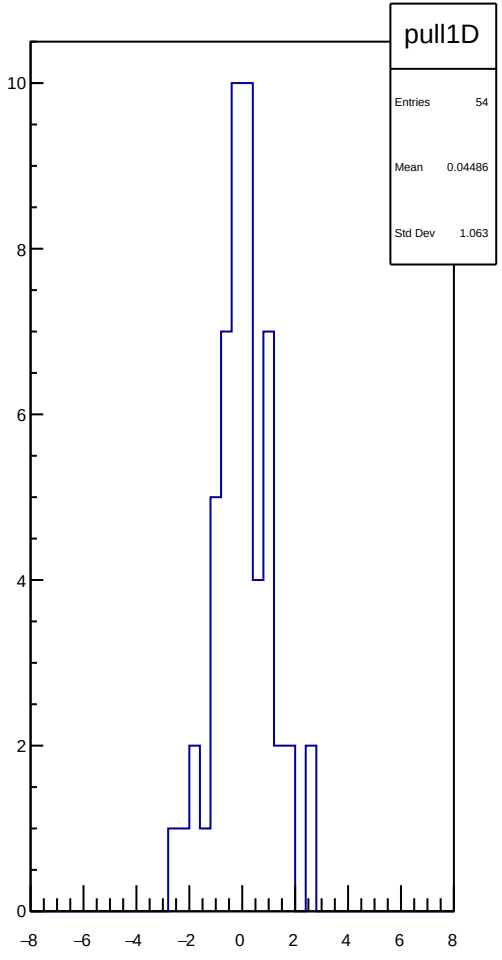

pull1D
Entries 54
Mean −0.06704
Std Dev 0.8217

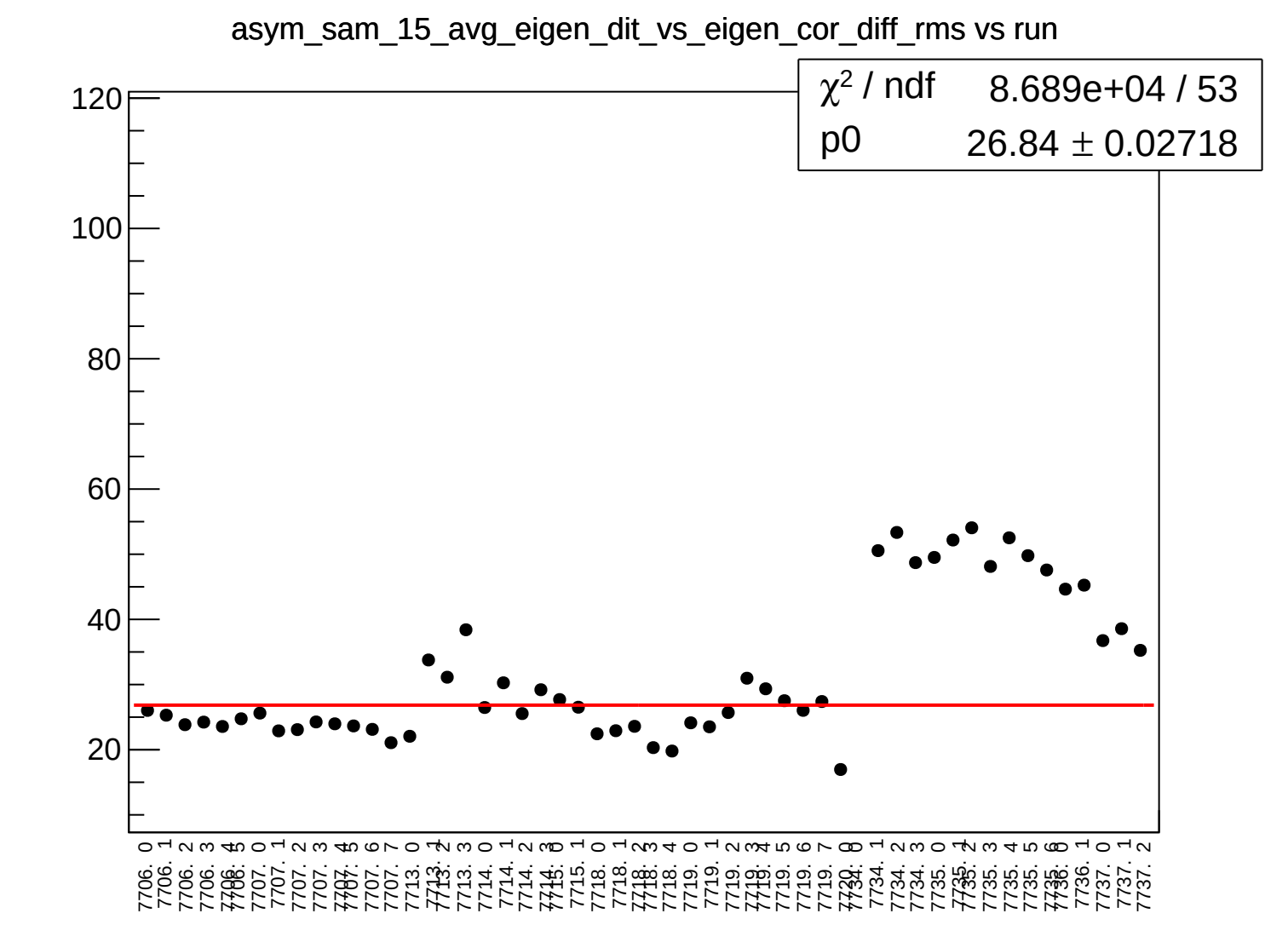

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.298e+05 / 53
p0 0.001739 ± 2.033e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

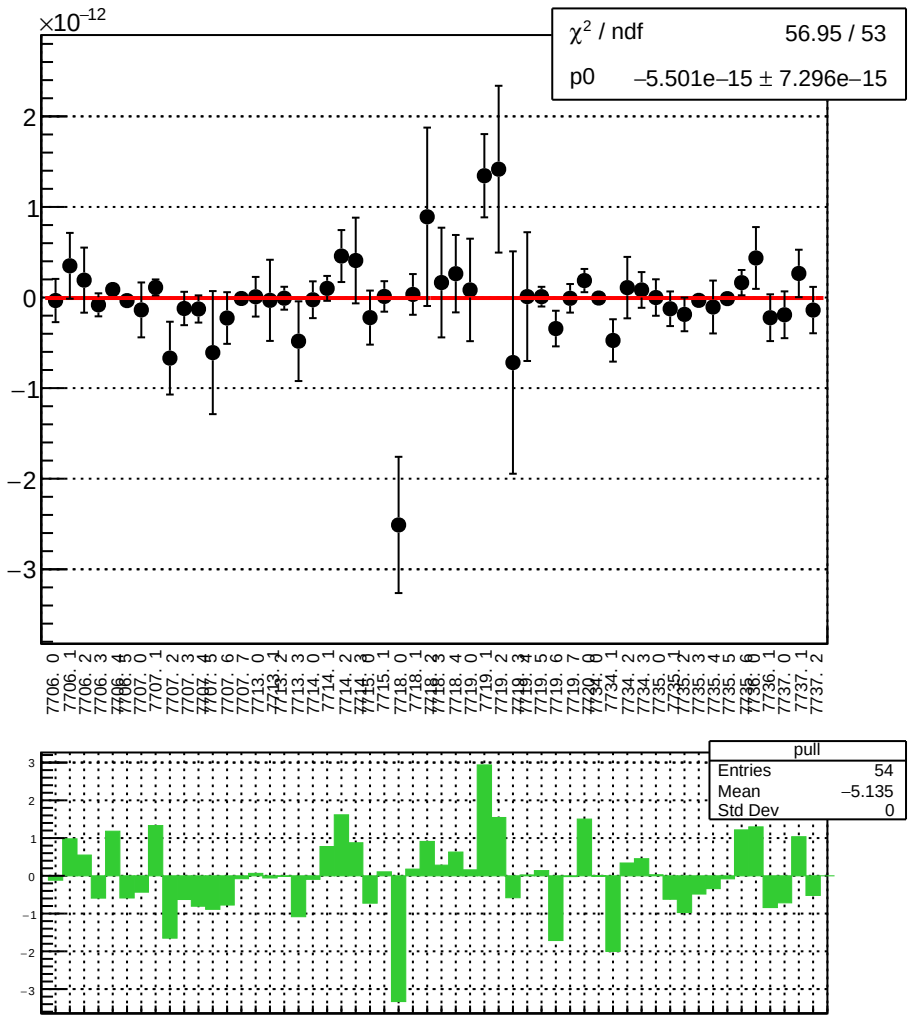

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.11 / 53
p0 −0.03466 ± 0.03844
pull
Entries 54
Mean 50.12
Std Dev 33.72
pull1D
Entries 54
Mean 0.04486
Std Dev 1.063

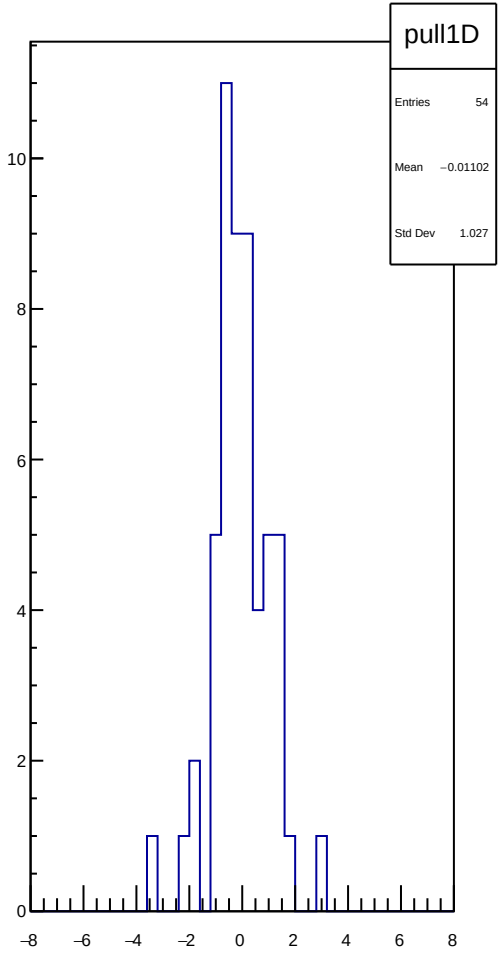

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.689e+04 / 53
p0 26.84 ± 0.02718
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

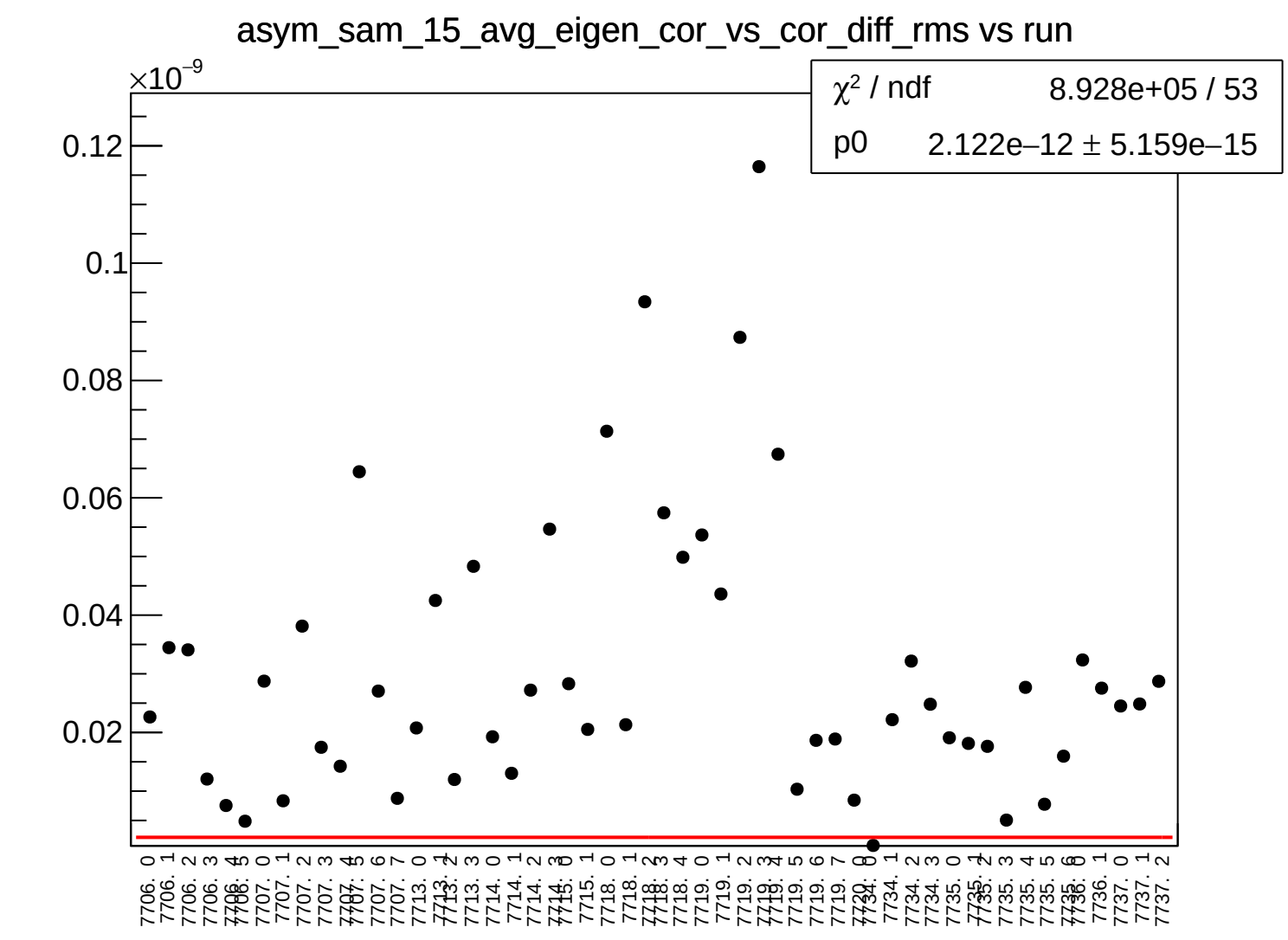

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.11 / 53
p0 −0.03466 ± 0.03844
pull
Entries 54
Mean 50.12
Std Dev 33.72

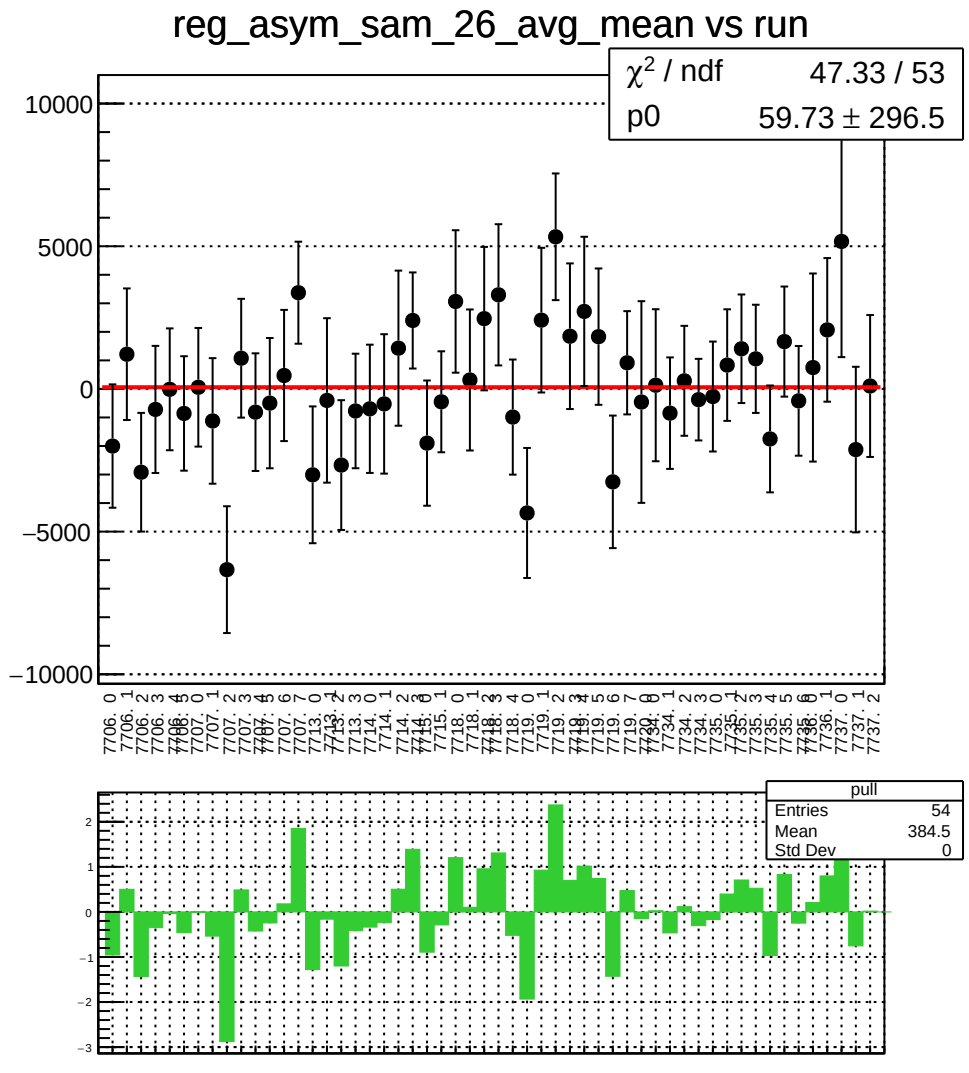

pull1D
Entries 54
Mean 0.04486
Std Dev 1.063

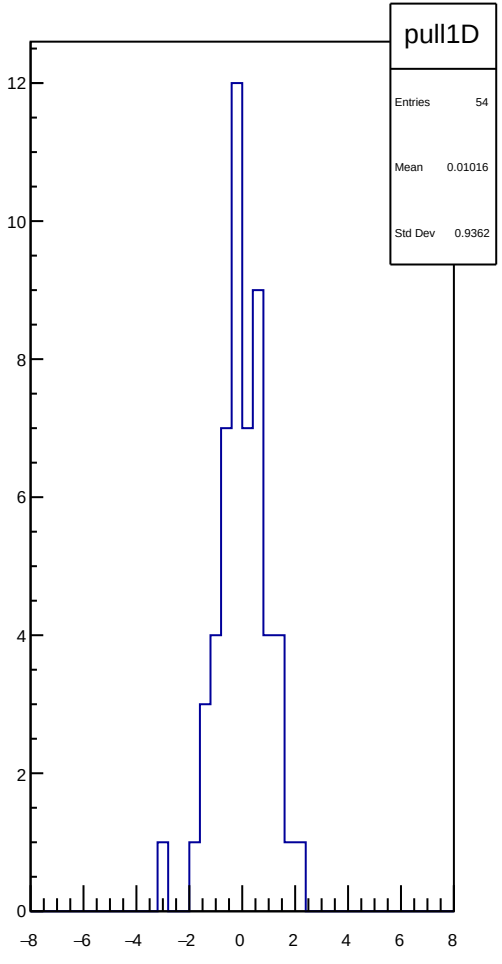

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.689e+04 / 53
p0 26.84 ± 0.02718
120
100
80
60
40
20

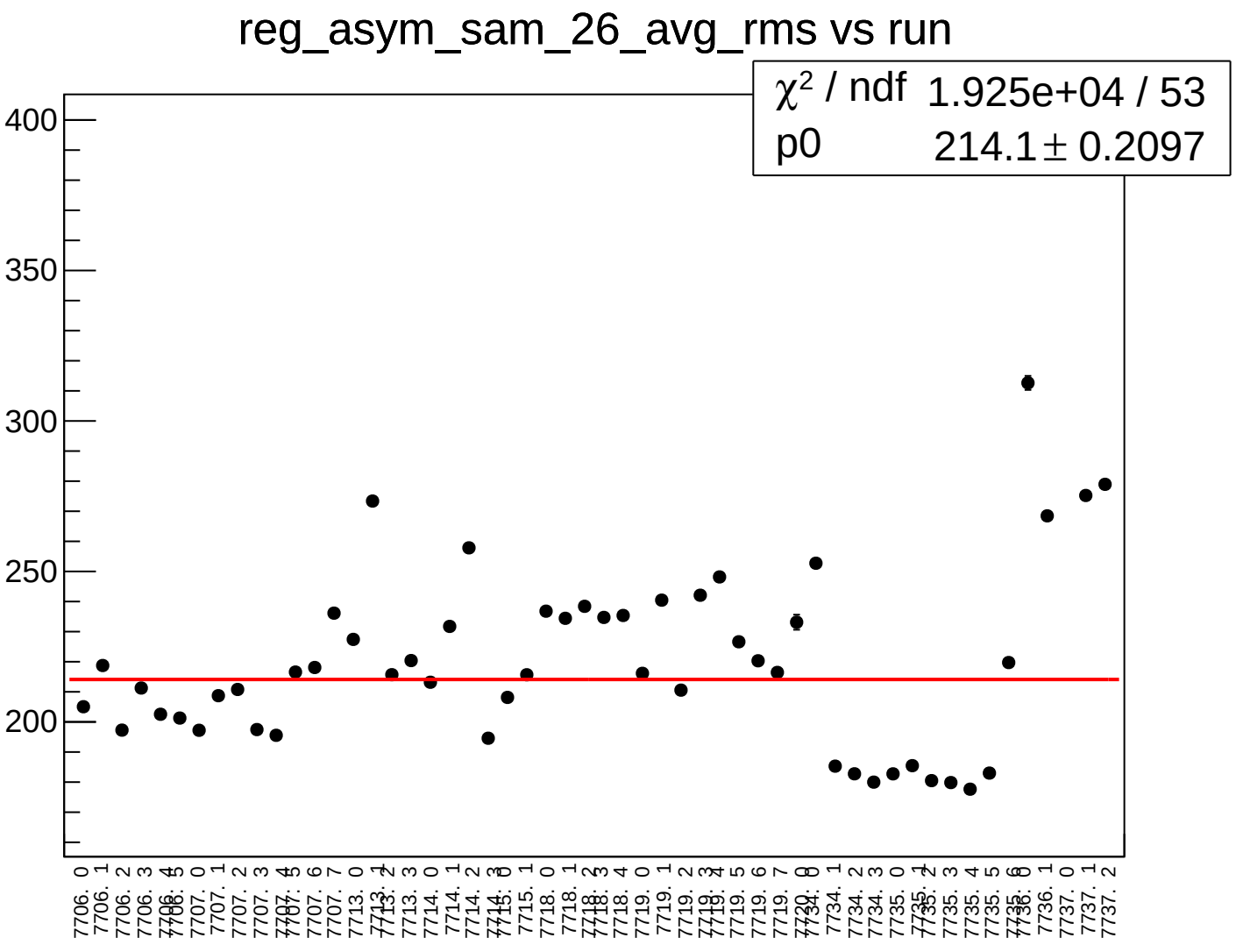

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 56.95 / 53
p0 −5.501e−15 ± 7.296e−15
pull
Entries 54
Mean −5.135
Std Dev 0

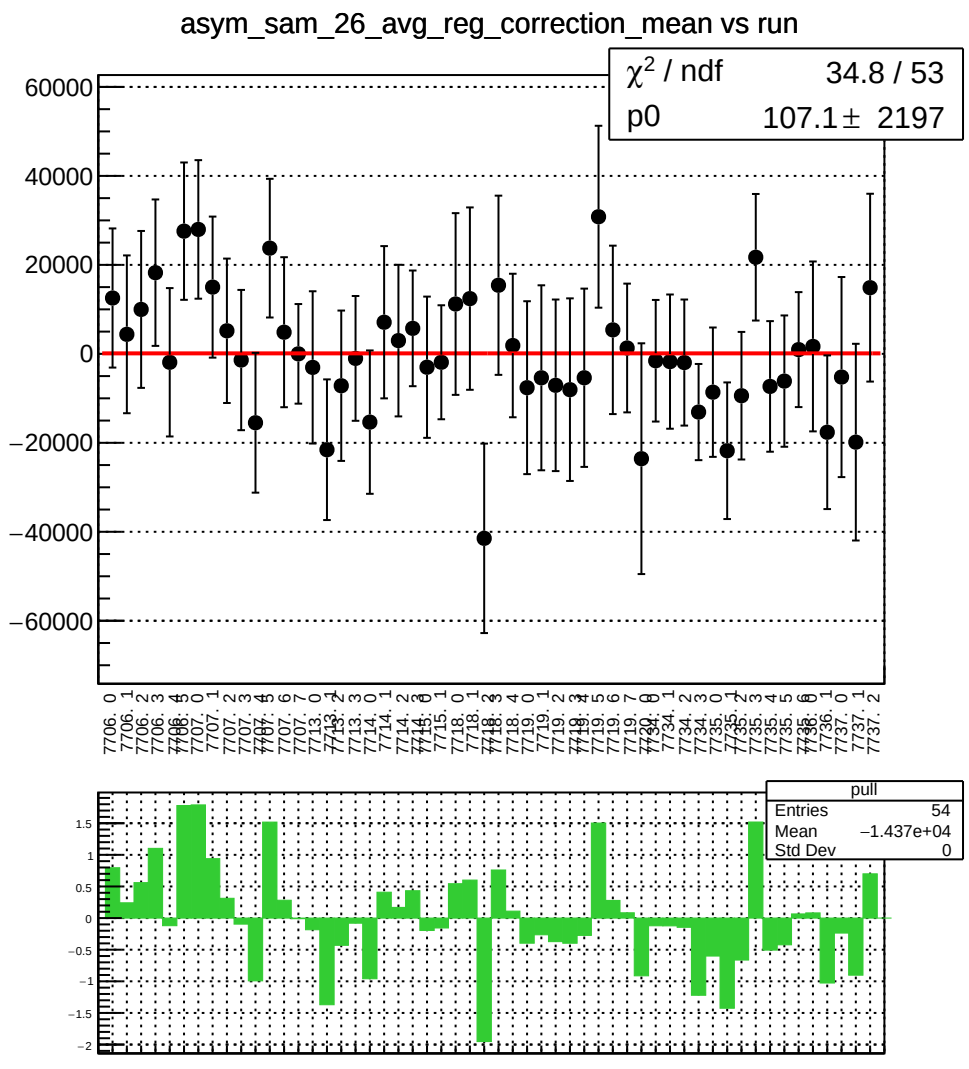

pull1D
Entries 54
Mean −0.01102
Std Dev 1.027

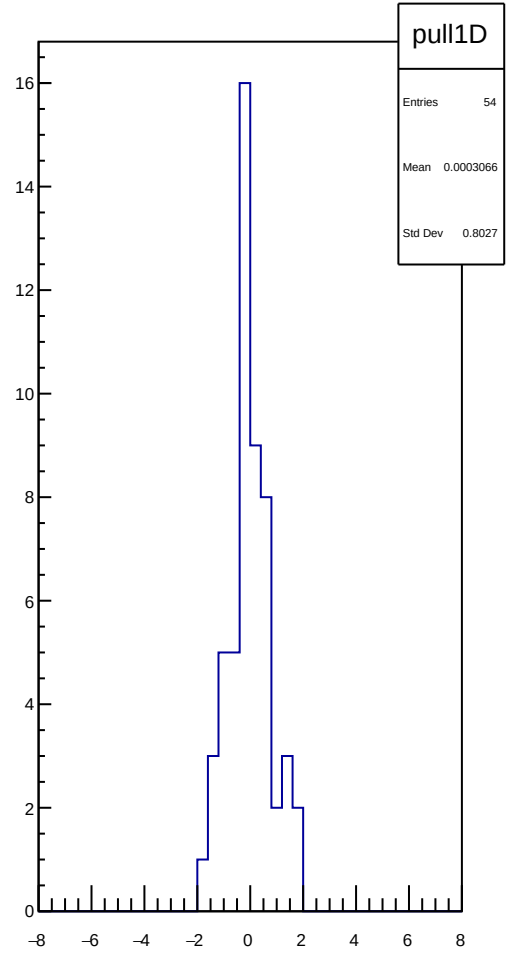

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.928e+05 / 53
p0 2.122e−12 ± 5.159e−15
0.12
0.1
0.08
0.06
0.04
0.02

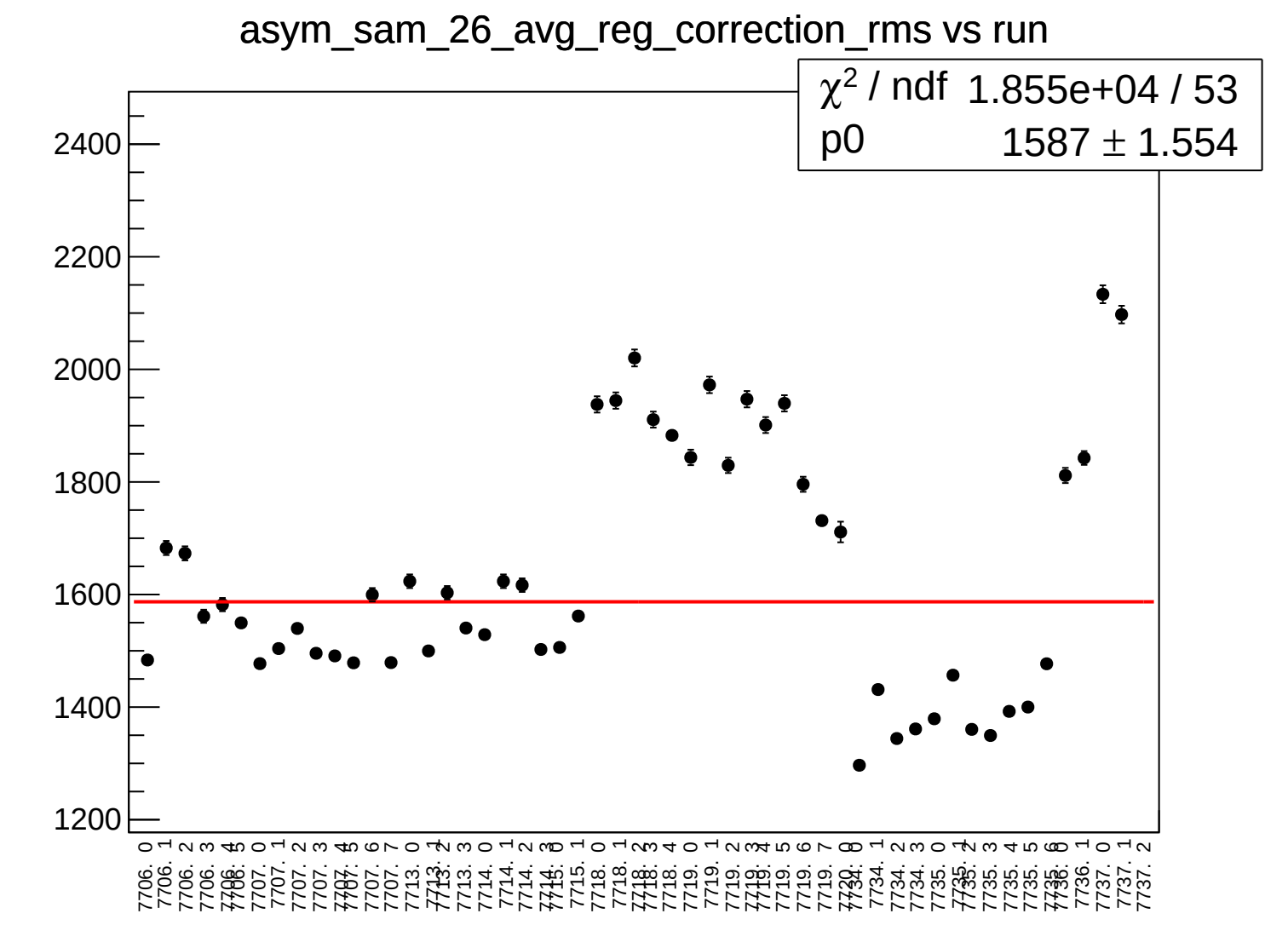

reg_asym_sam_26_avg_mean vs run
χ² / ndf 47.33 / 53
p0 59.73 ± 296.5
pull
Entries 54
Mean 384.5
Std Dev 0

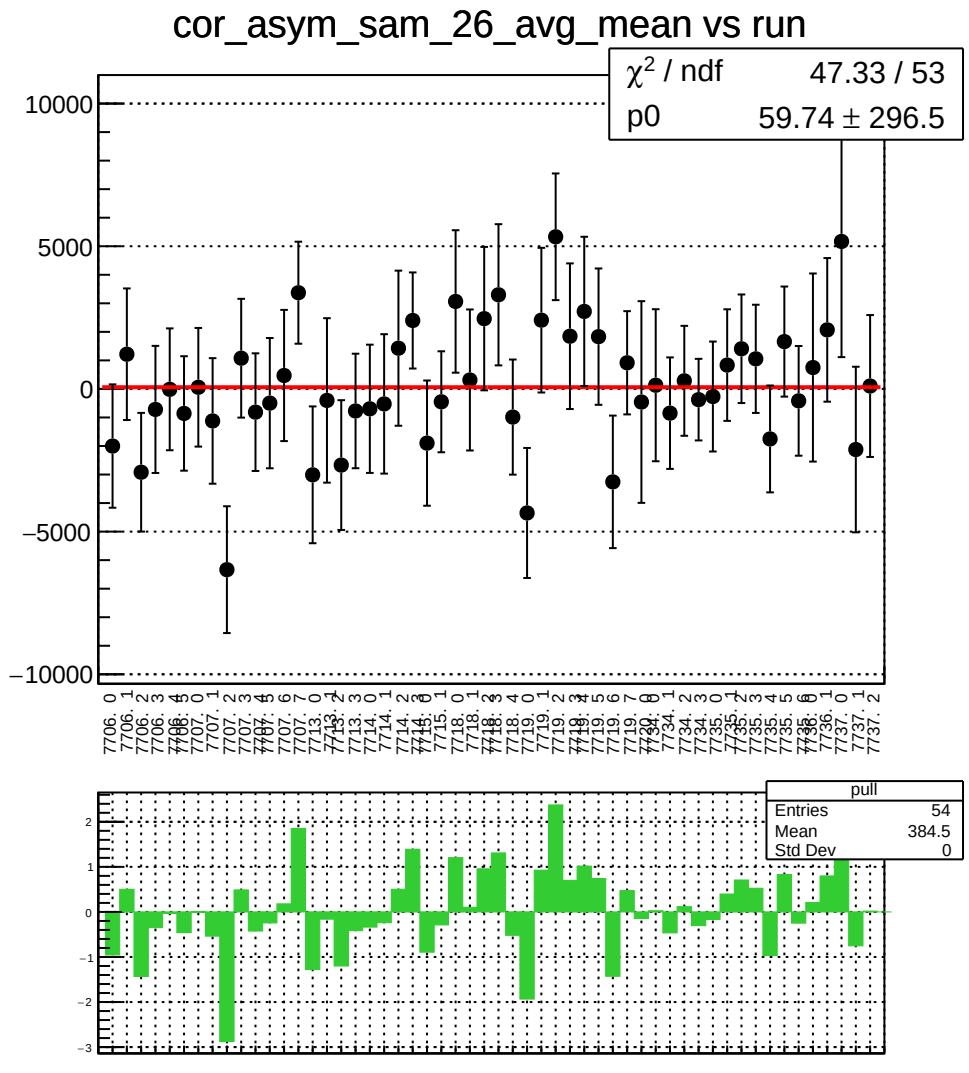

pull1D
Entries 54
Mean 0.01016
Std Dev 0.9362

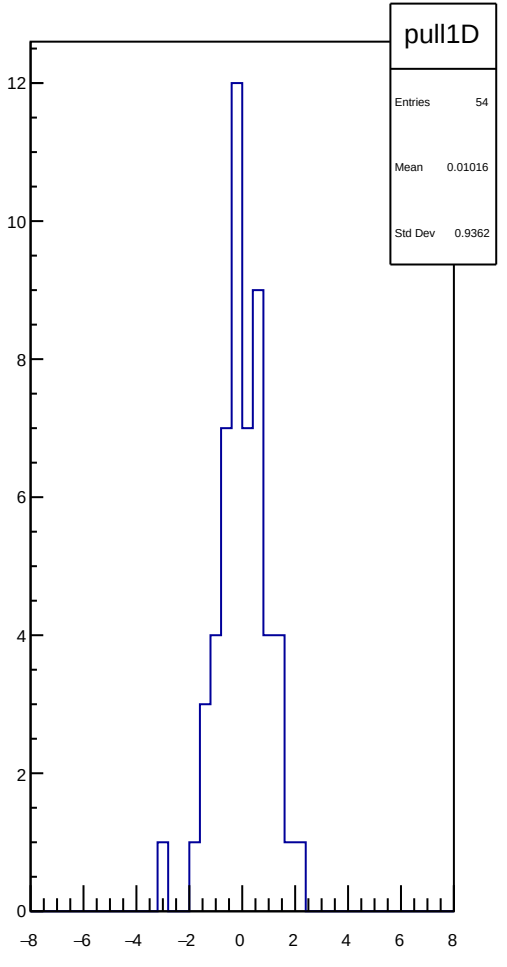

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.925e+04 / 53
p0 214.1 ± 0.2097
400
350
300
250
200

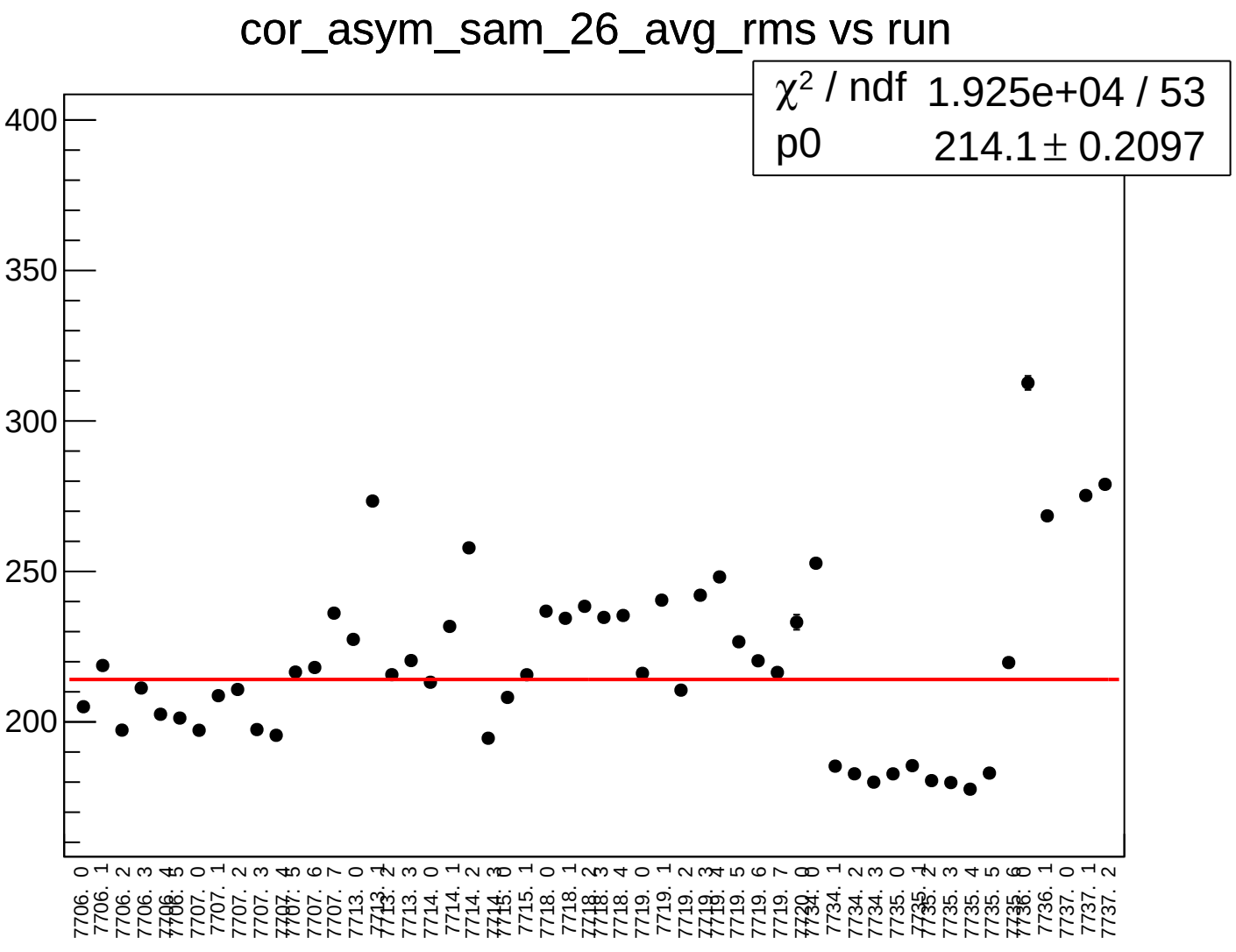

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 34.8 / 53
p0 107.1± 2197
pull
Entries 54
Mean −1.437e+04
Std Dev 0

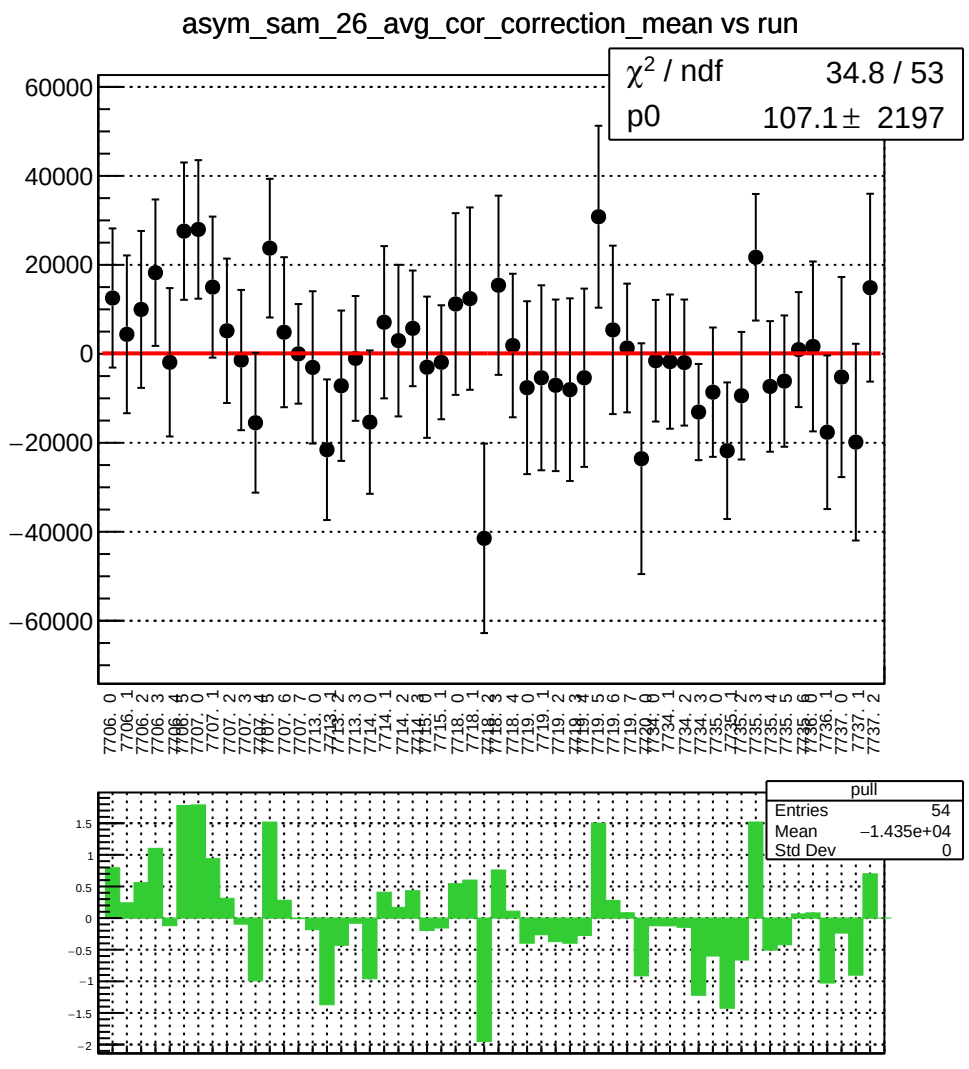

pull1D
Entries 54
Mean 0.0003066
Std Dev 0.8027

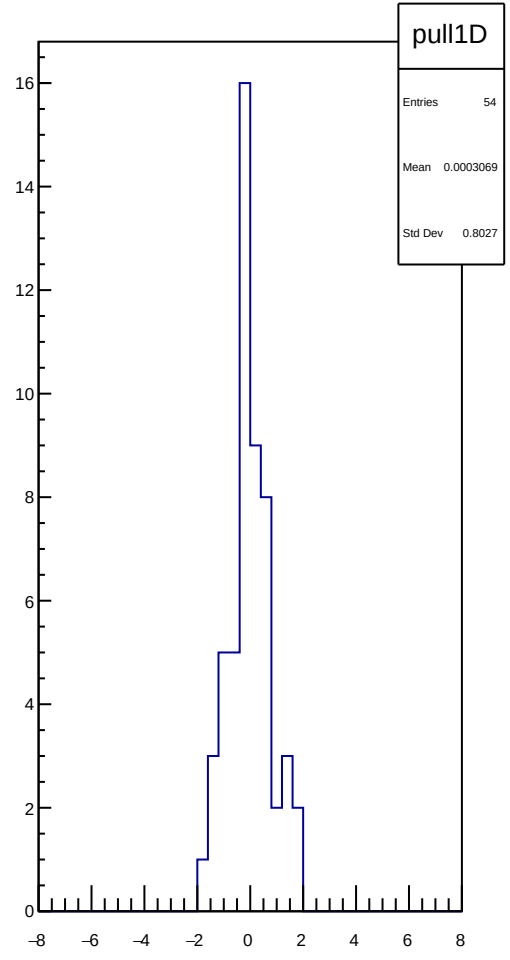

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 1.855e+04 / 53
p0 1587 ± 1.554
2400
2200
2000
1800
1600
1400
1200

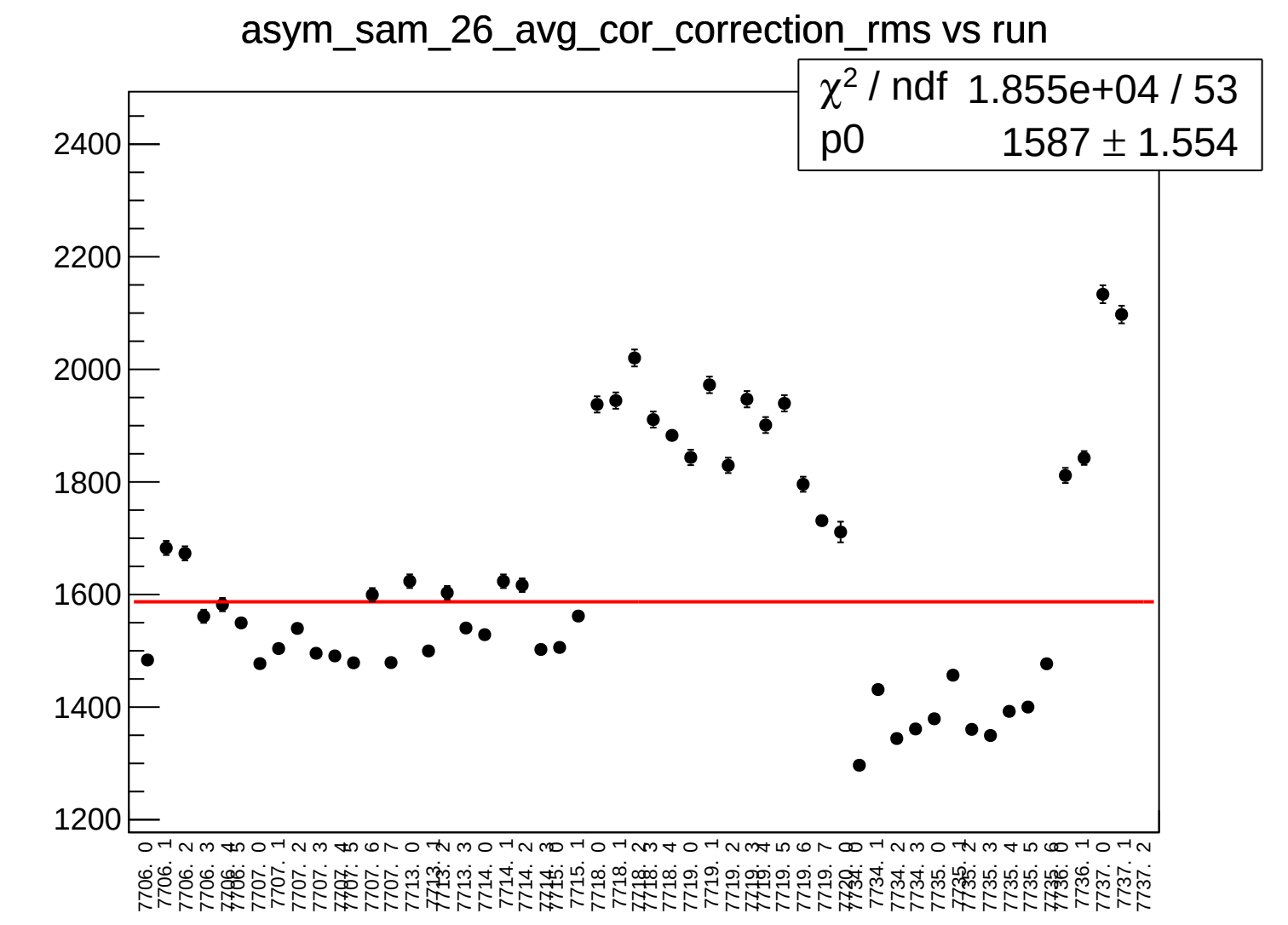

cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.33 / 53
p0 59.74 ± 296.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 384.5
Std Dev 0
2
1
0
−1
−2
−3

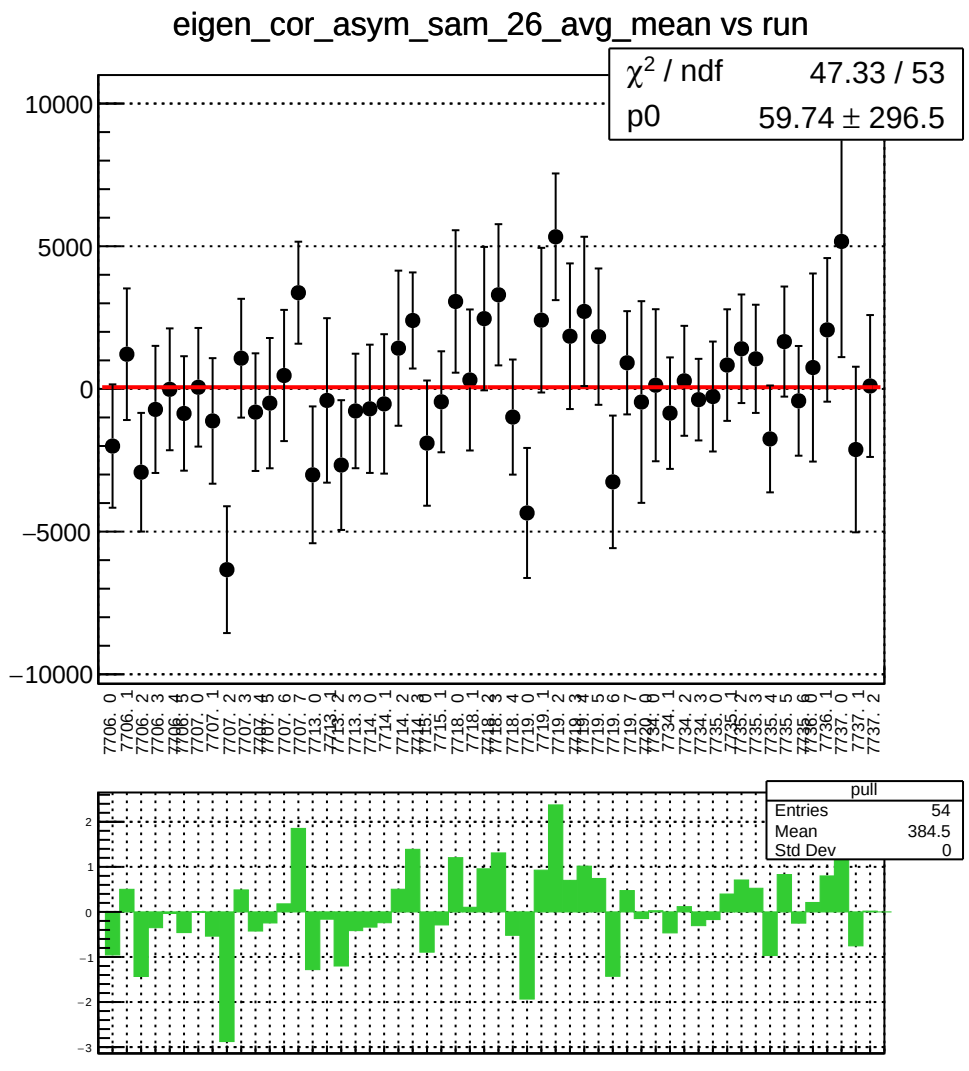

pull1D
Entries 54
Mean 0.01016
Std Dev 0.9362
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

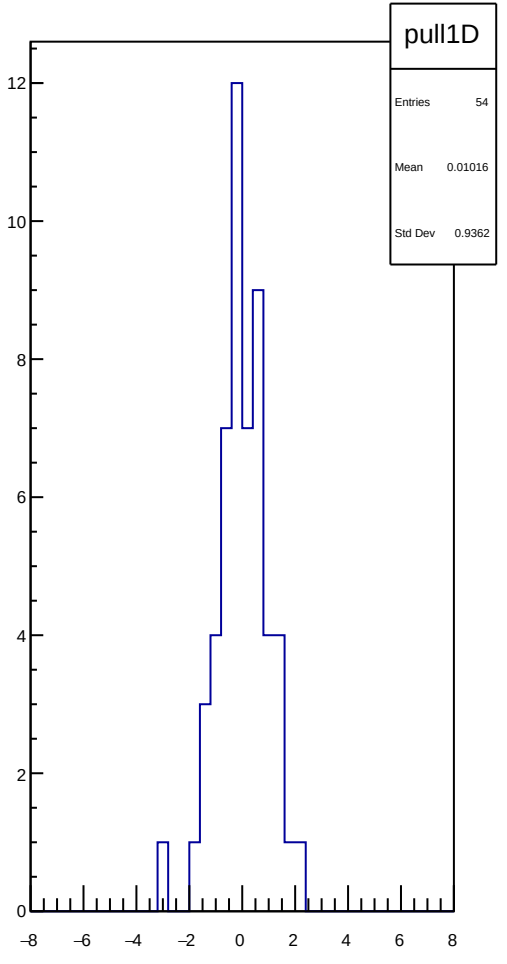

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.925e+04 / 53
p0 214.1 ± 0.2097
400
350
300
250
200

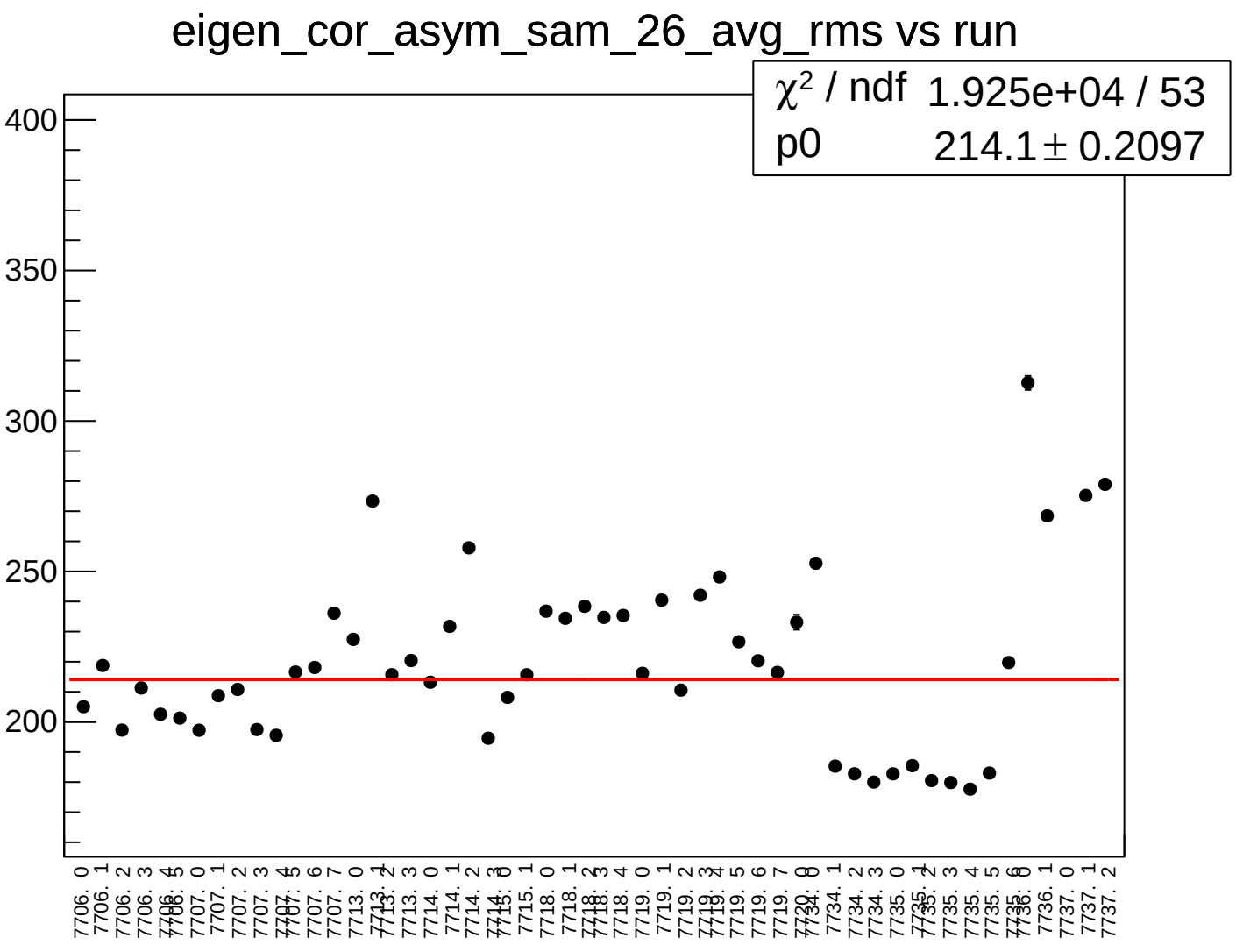

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 34.8 / 53
p0 107.1± 2197
pull
Entries 54
Mean −1.435e+04
Std Dev 0

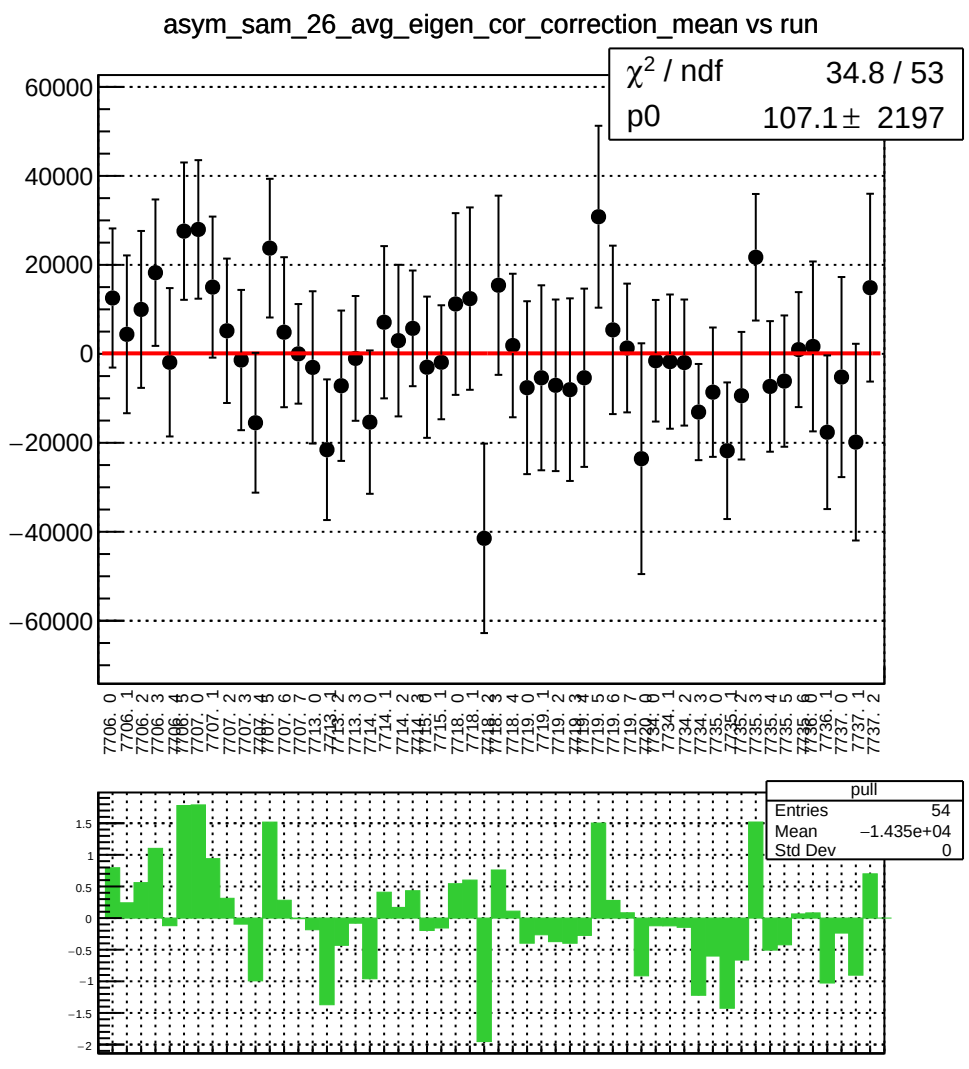

pull1D
Entries 54
Mean 0.0003069
Std Dev 0.8027

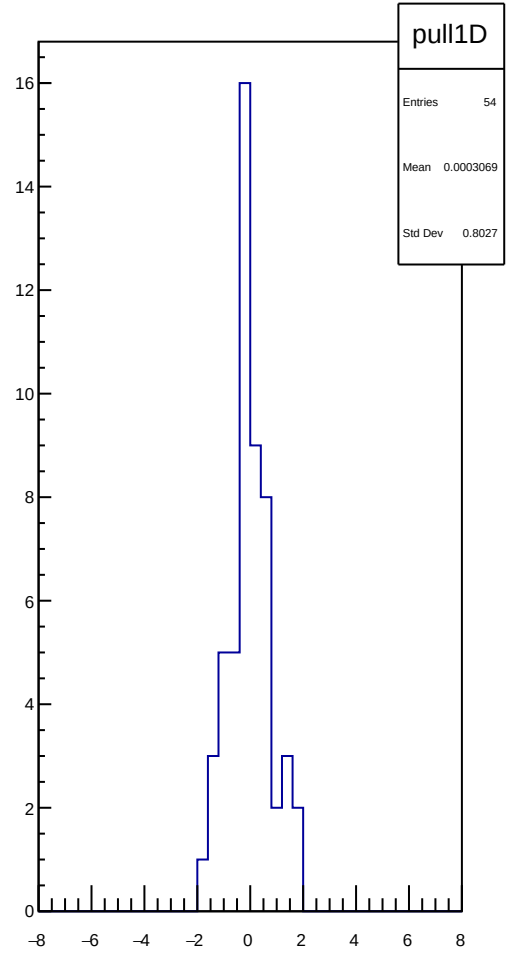

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 1.855e+04 / 53
p0 1587 ± 1.554
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

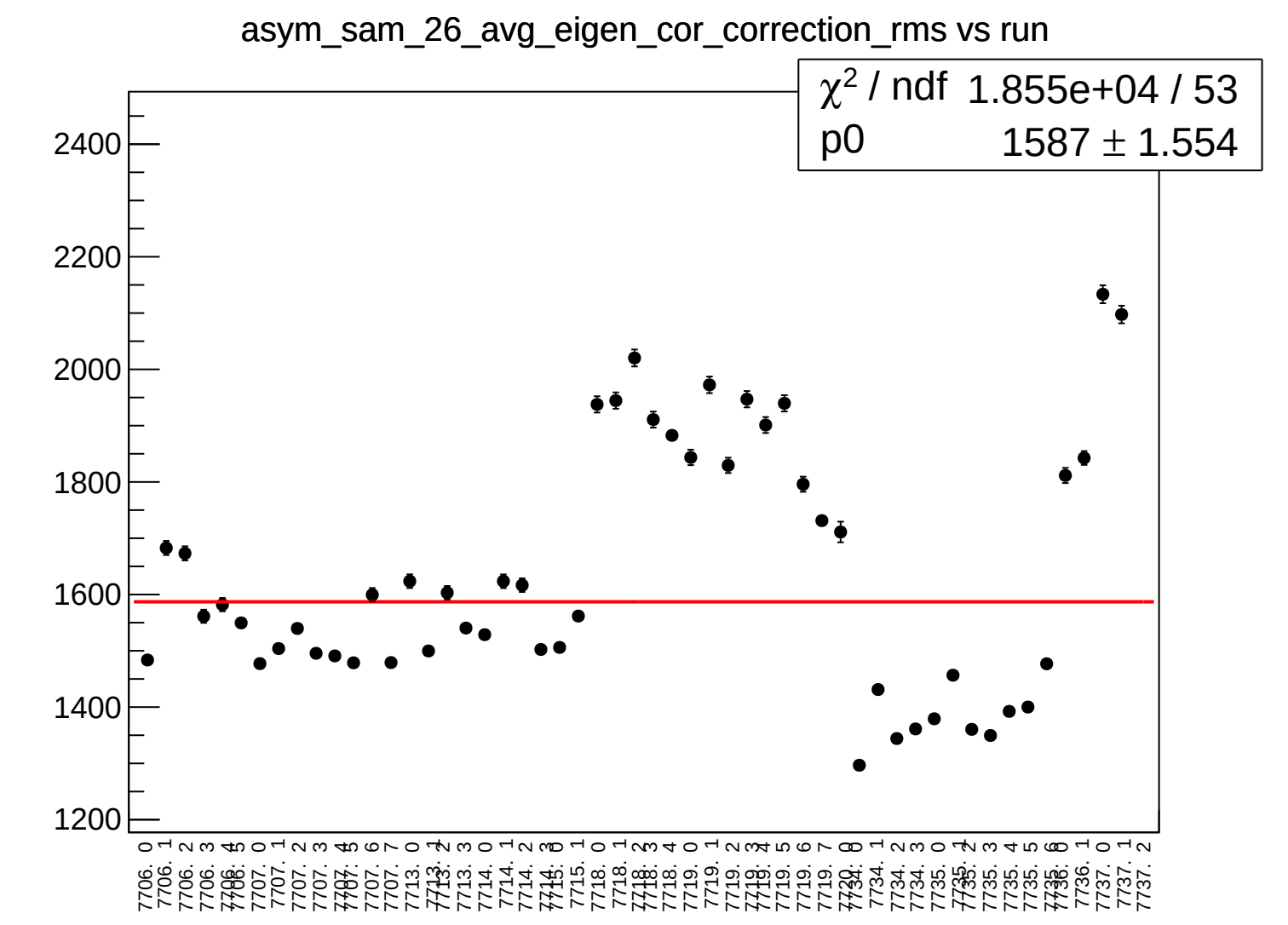

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.33 / 53
p0 59.74 ± 296.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 384.5
Std Dev 0
2
1
0
−1
−2
−3

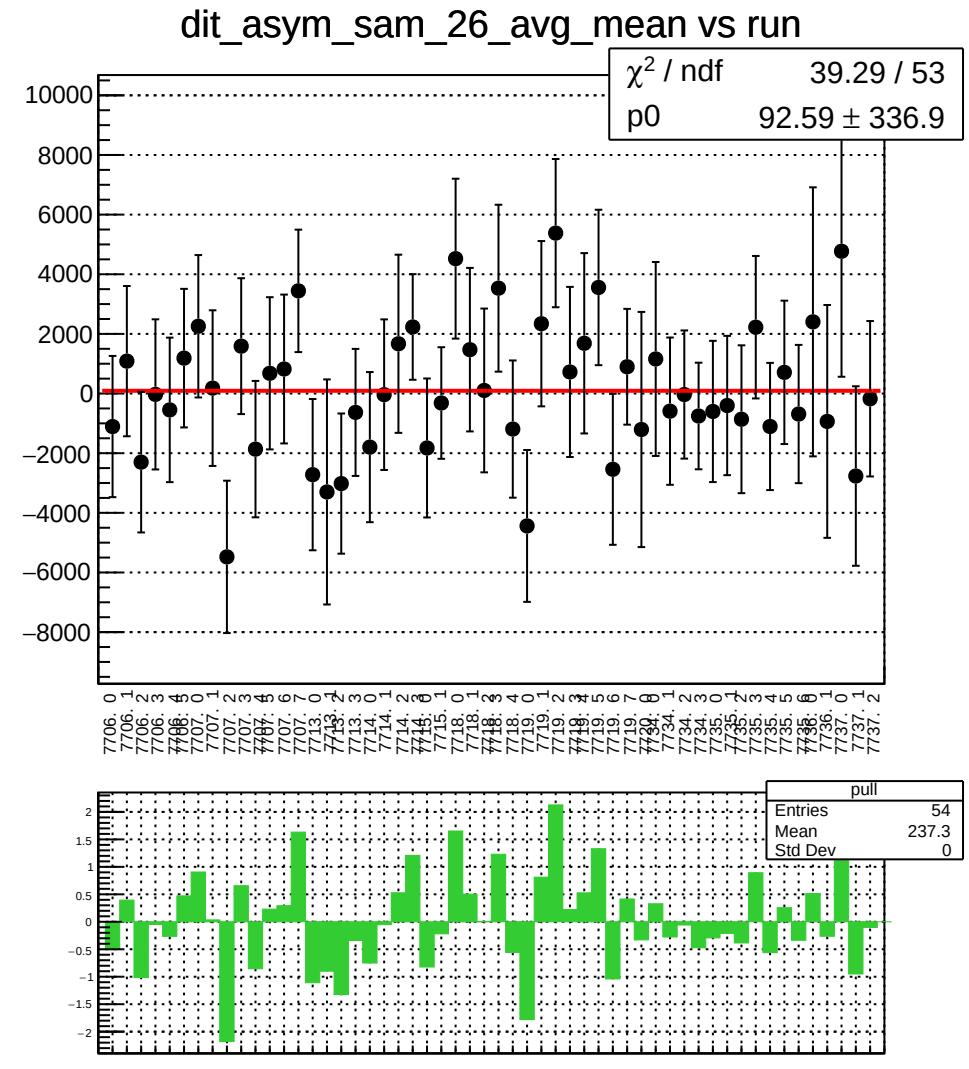

pull1D
Entries 54
Mean 0.01016
Std Dev 0.9362
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

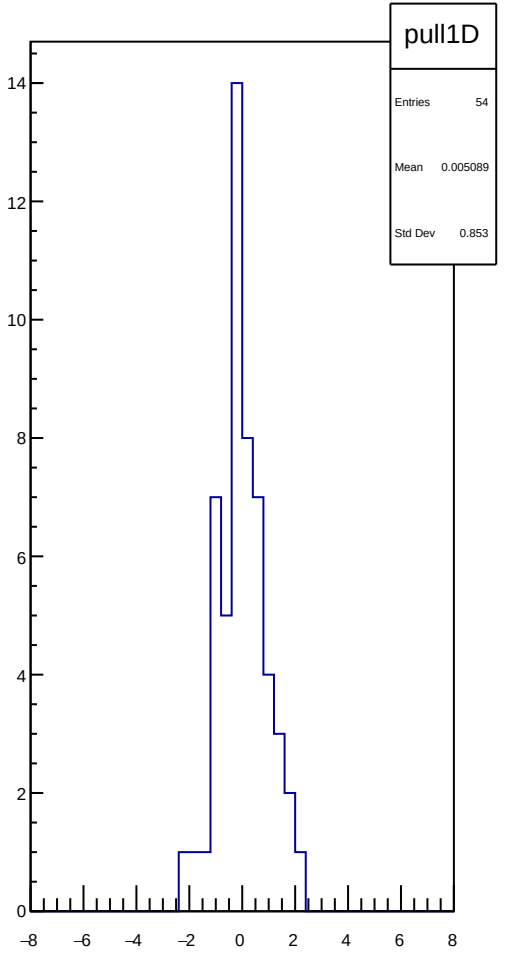

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.925e+04 / 53
p0 214.1 ± 0.2097
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

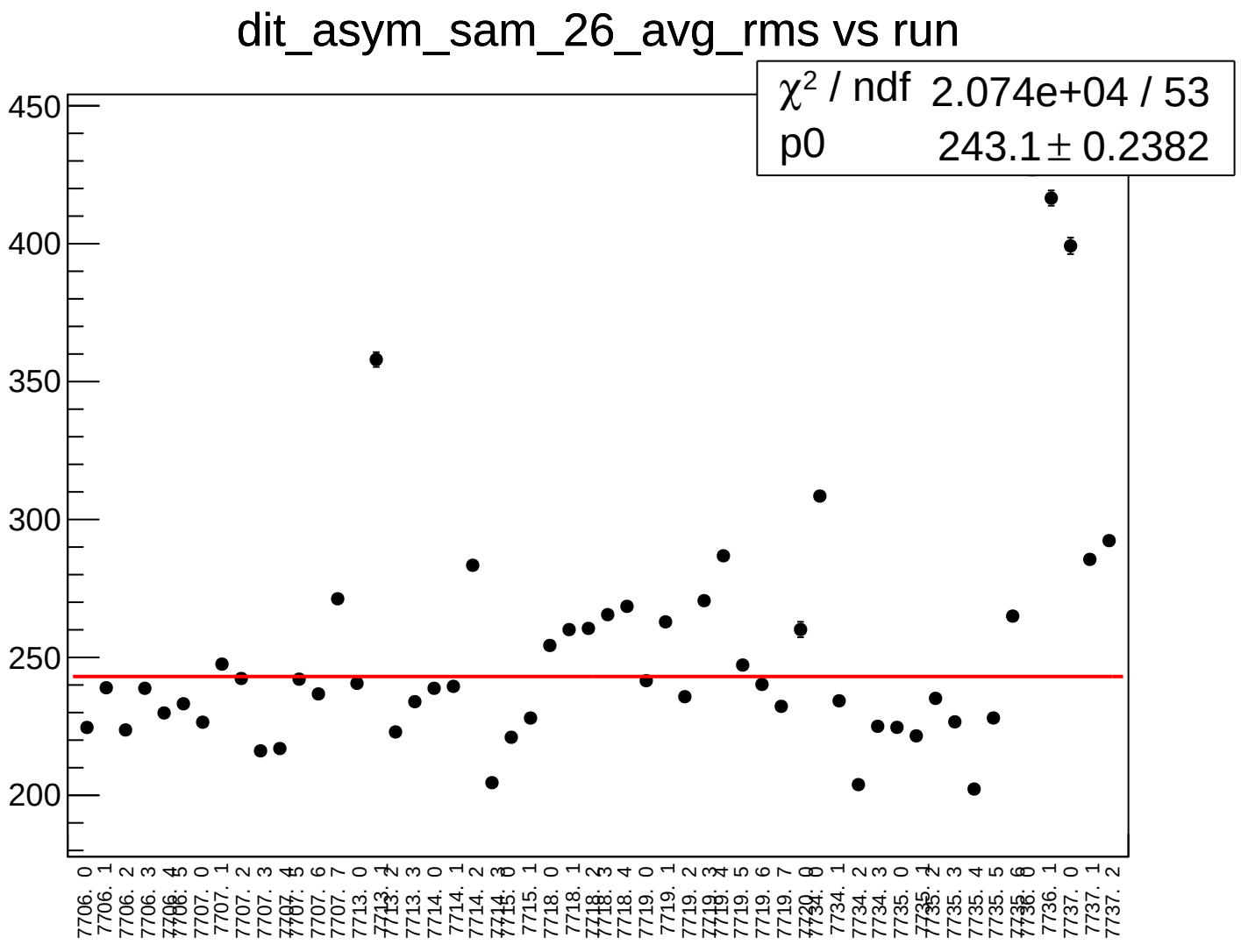

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.8 / 53
p0 107.1± 2197
pull
Entries 54
Mean −1.435e+04
Std Dev 0

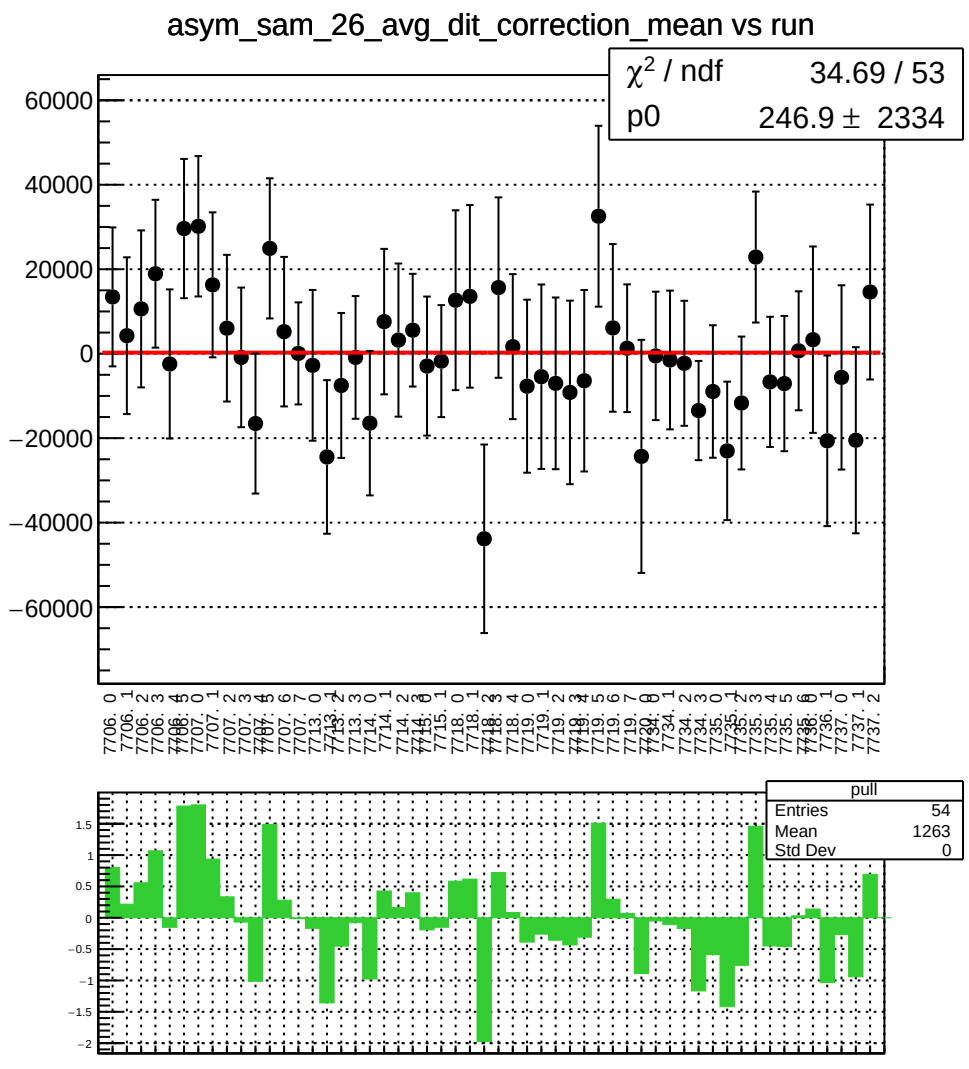

pull1D
Entries 54
Mean 0.0003069
Std Dev 0.8027

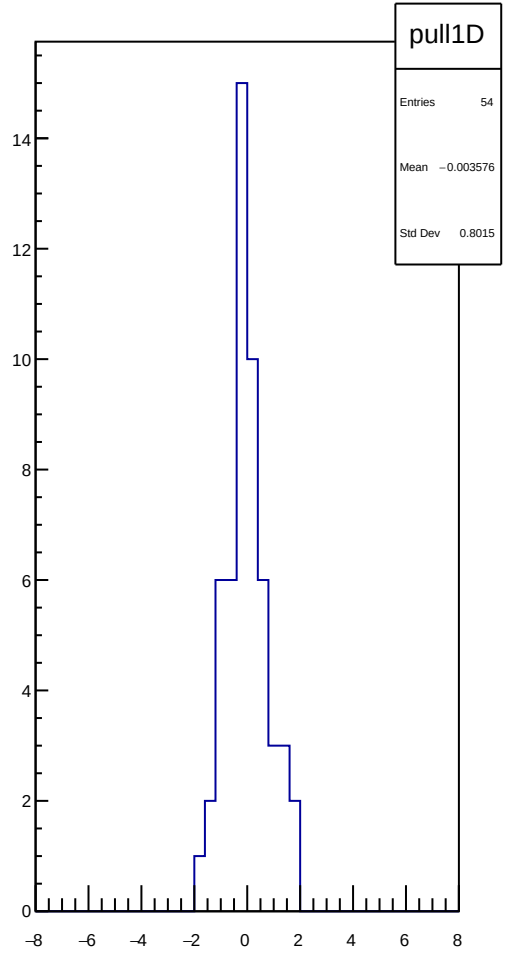

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.855e+04 / 53
p0 1587 ± 1.554
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

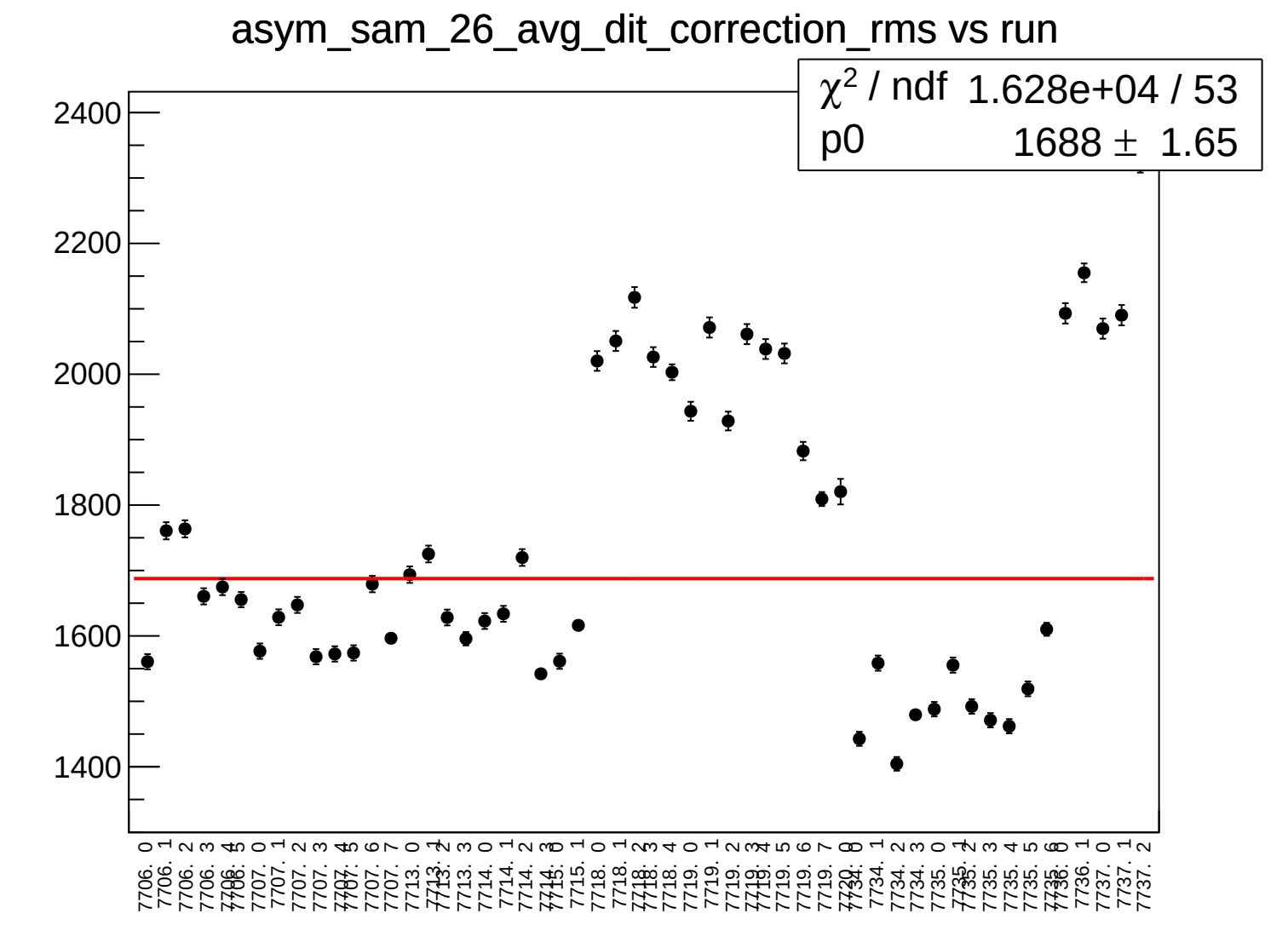

dit_asym_sam_26_avg_mean vs run
χ² / ndf 39.29 / 53
p0 92.59 ± 336.9
pull
Entries 54
Mean 237.3
Std Dev 0

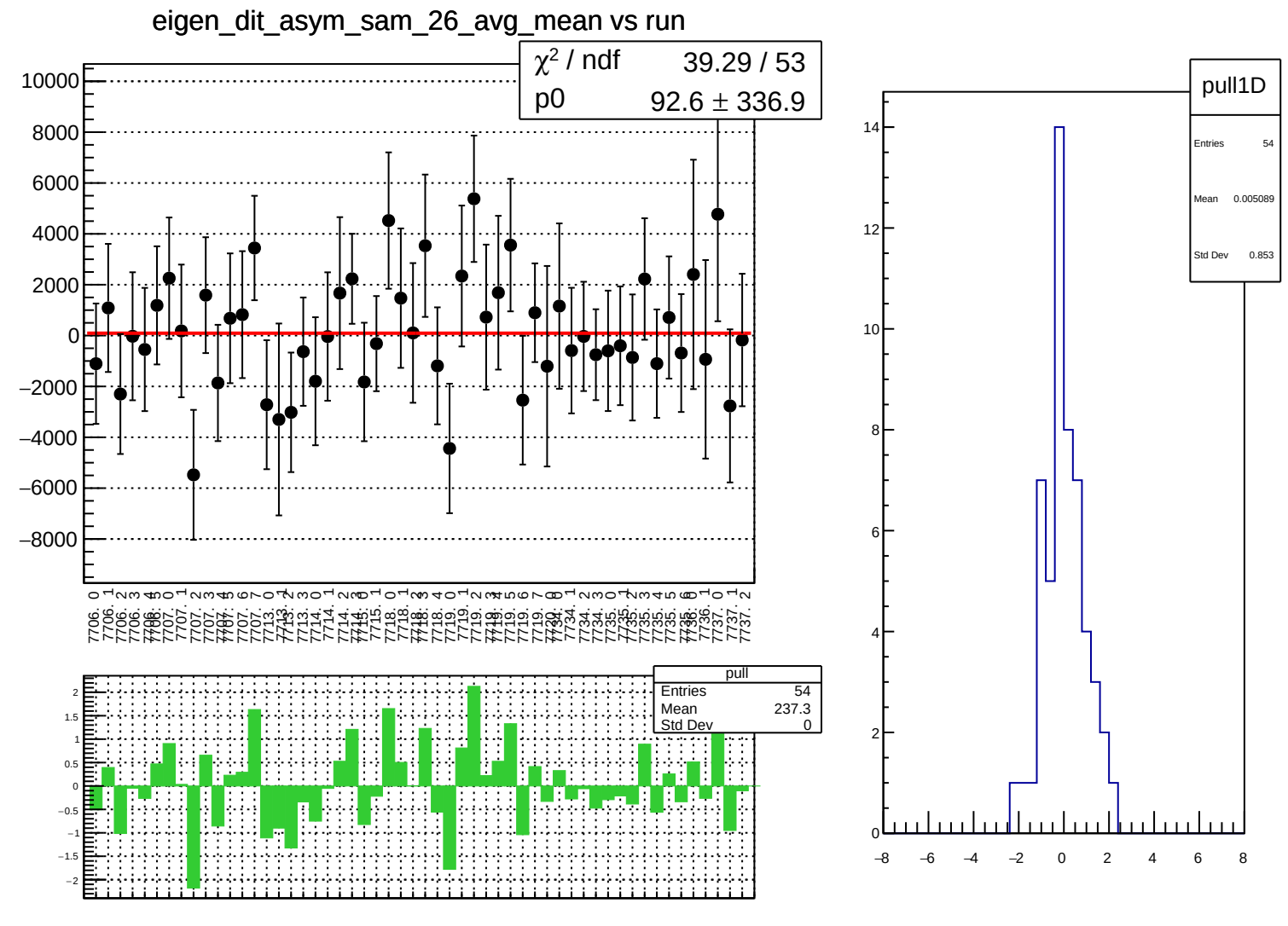

pull1D
Entries 54
Mean 0.005089
Std Dev 0.853

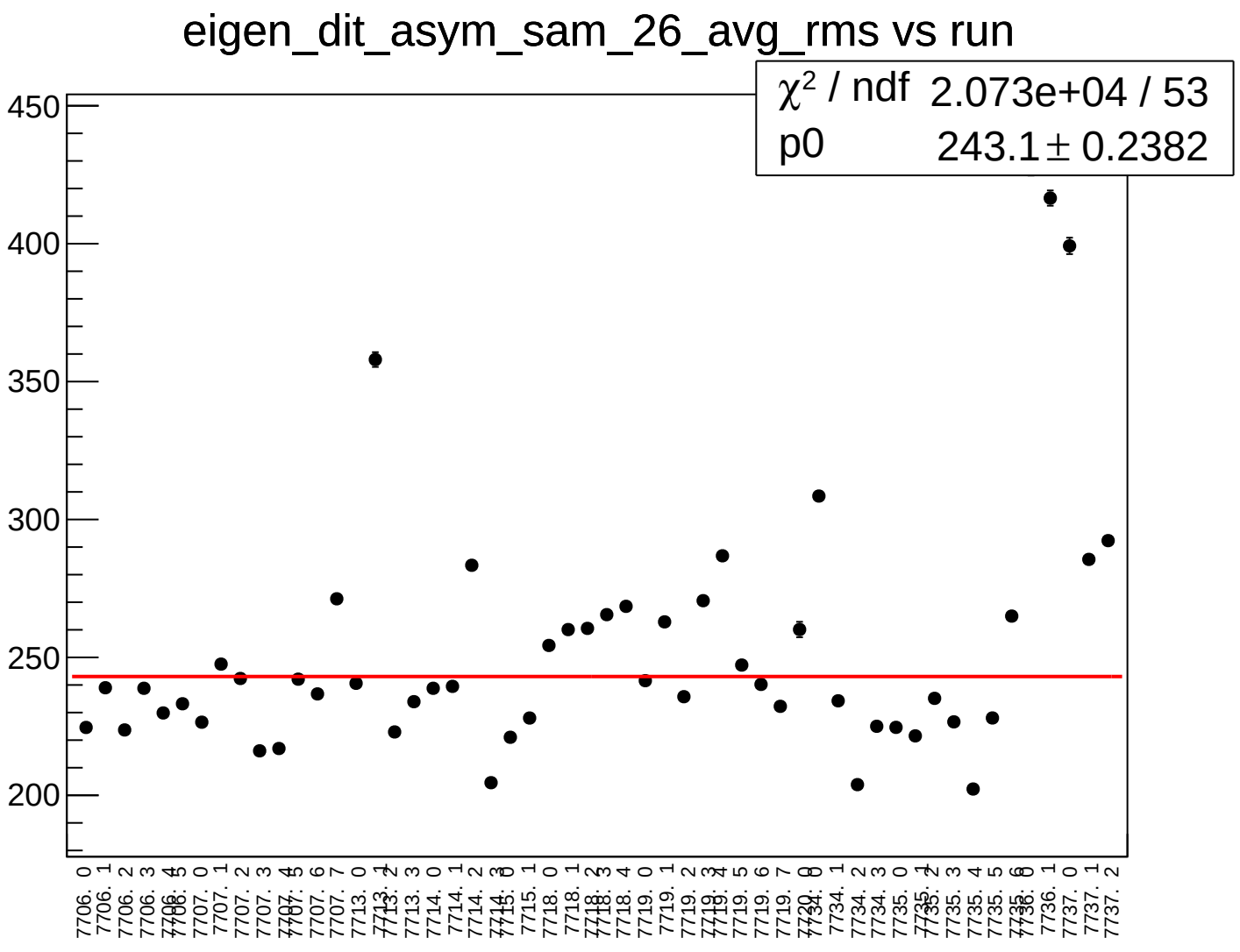

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.074e+04 / 53
p0 243.1 ± 0.2382
450
400
350
300
250
200

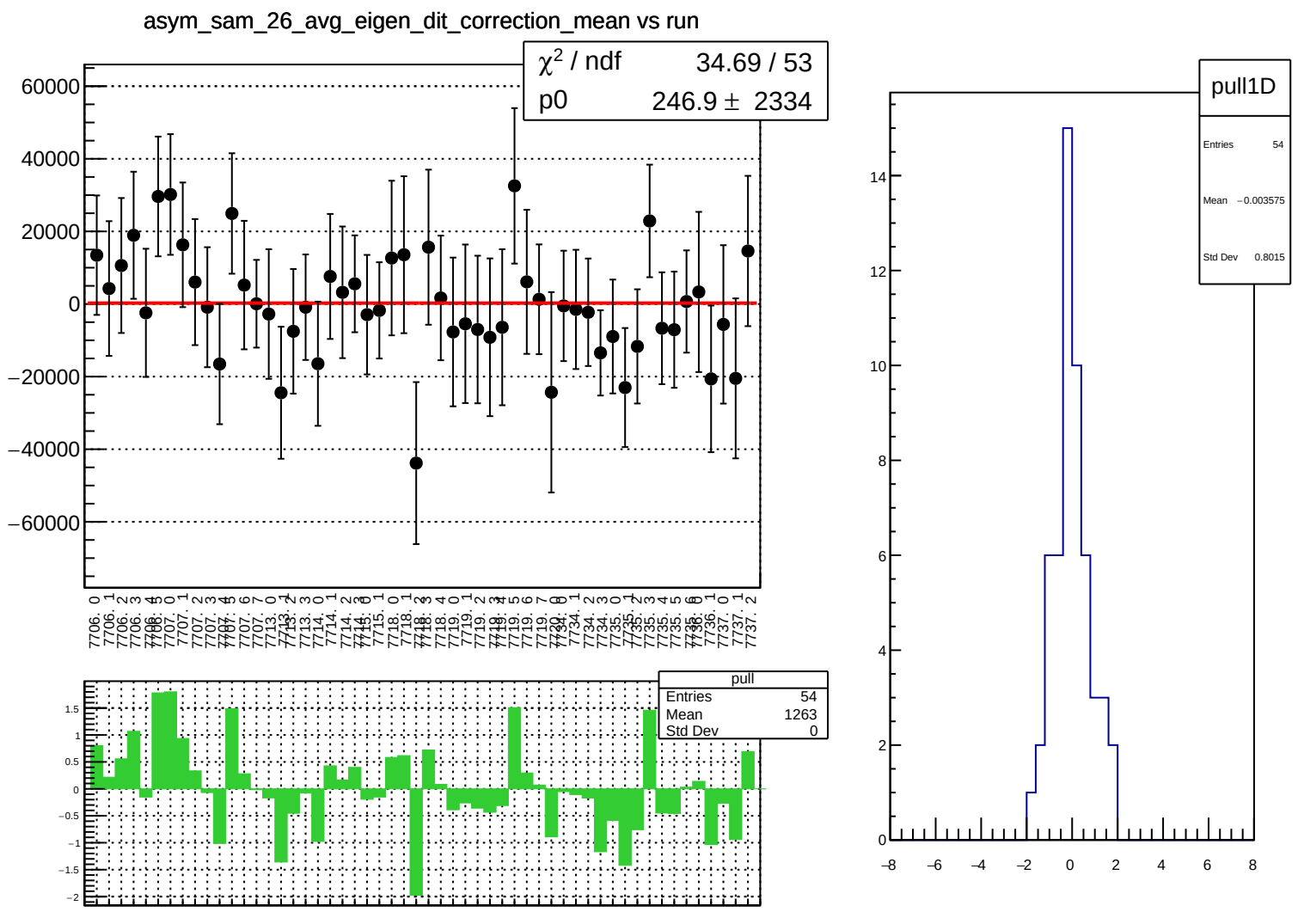

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 34.69 / 53
p0 246.9 ± 2334
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1263
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

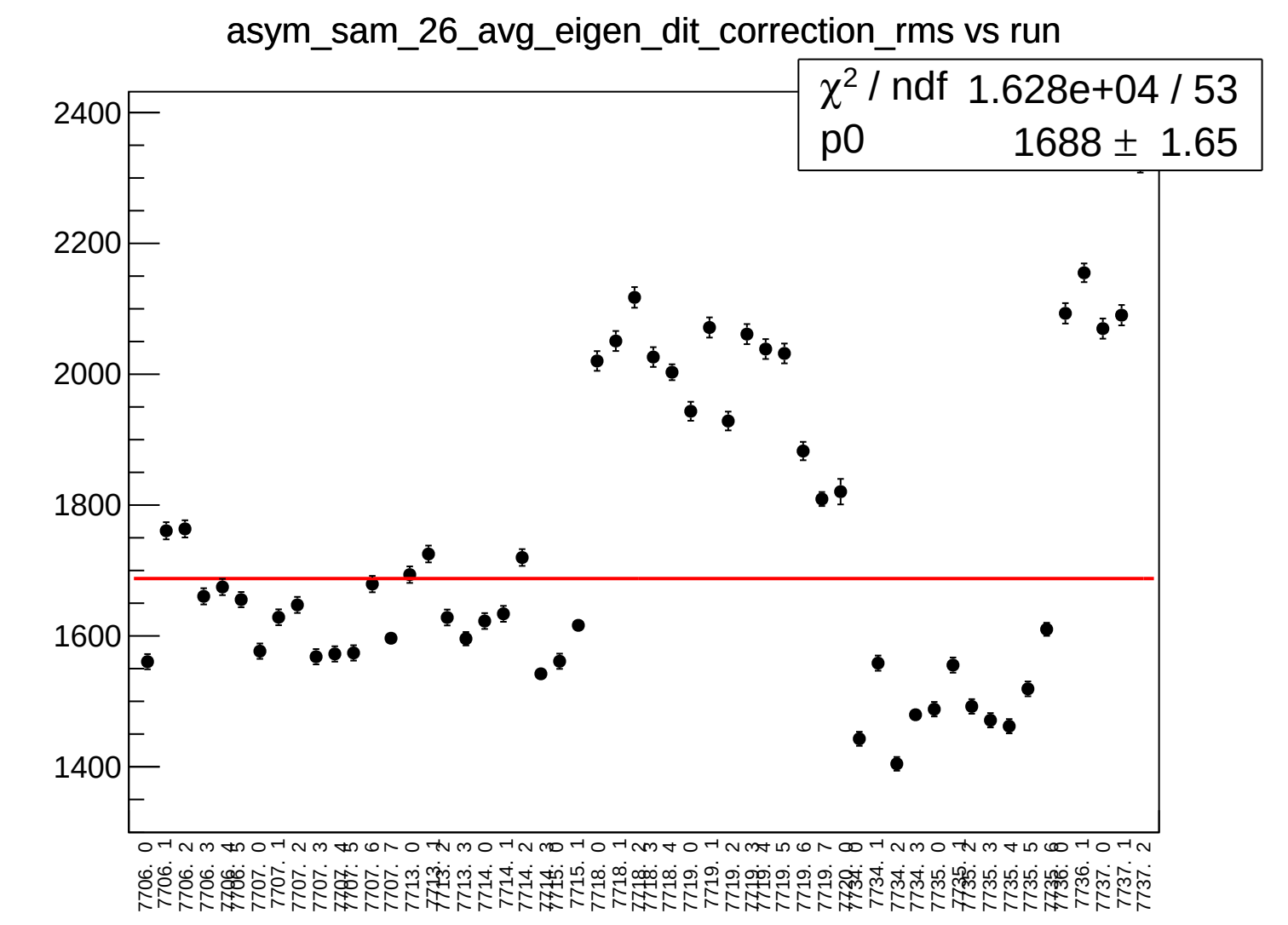

pull1D
Entries 54
Mean −0.003576
Std Dev 0.8015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

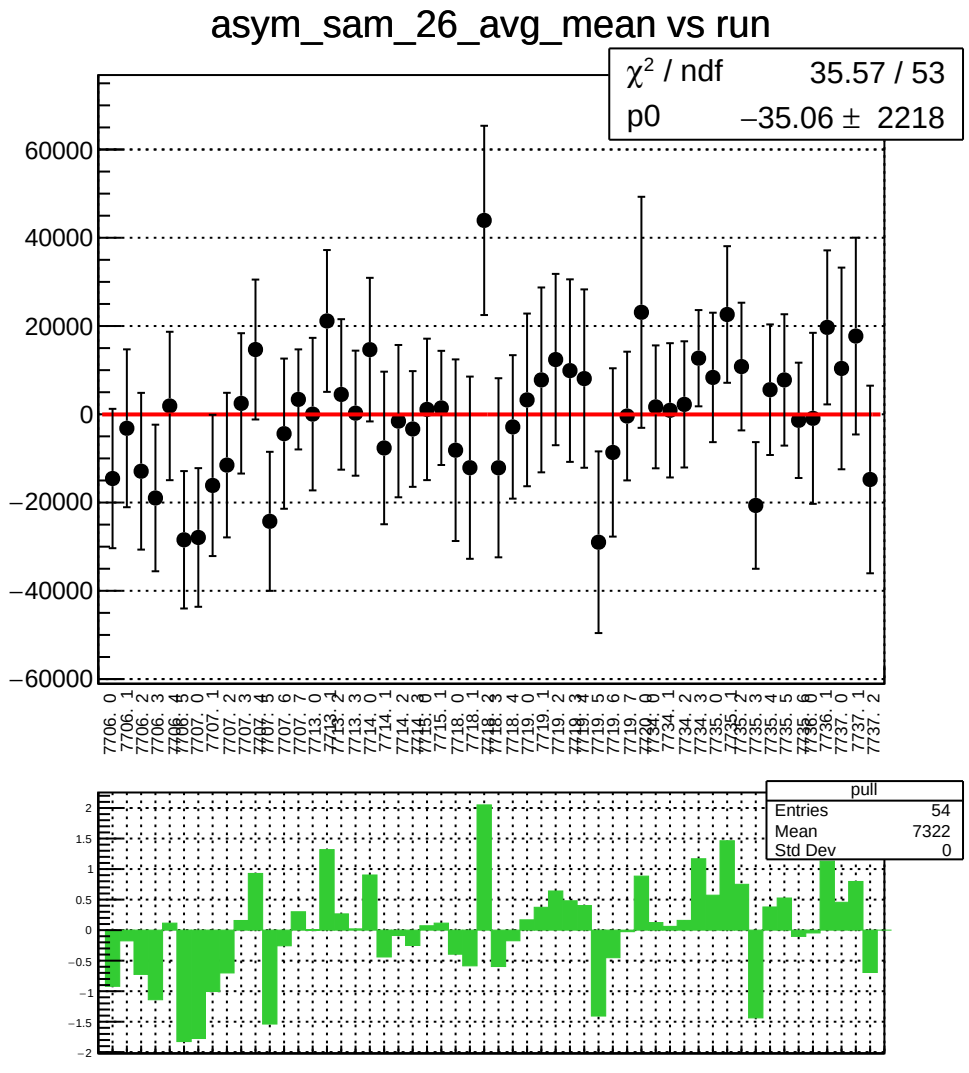

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 1.628e+04 / 53
p0 1688 ± 1.65
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

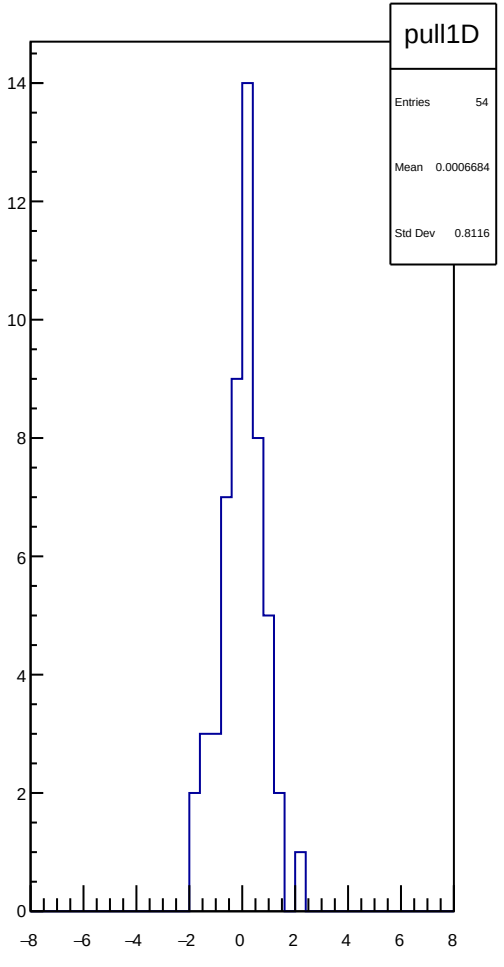

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 39.29 / 53
p0 92.6 ± 336.9
pull
Entries 54
Mean 237.3
Std Dev 0
pull1D
Entries 54
Mean 0.005089
Std Dev 0.853

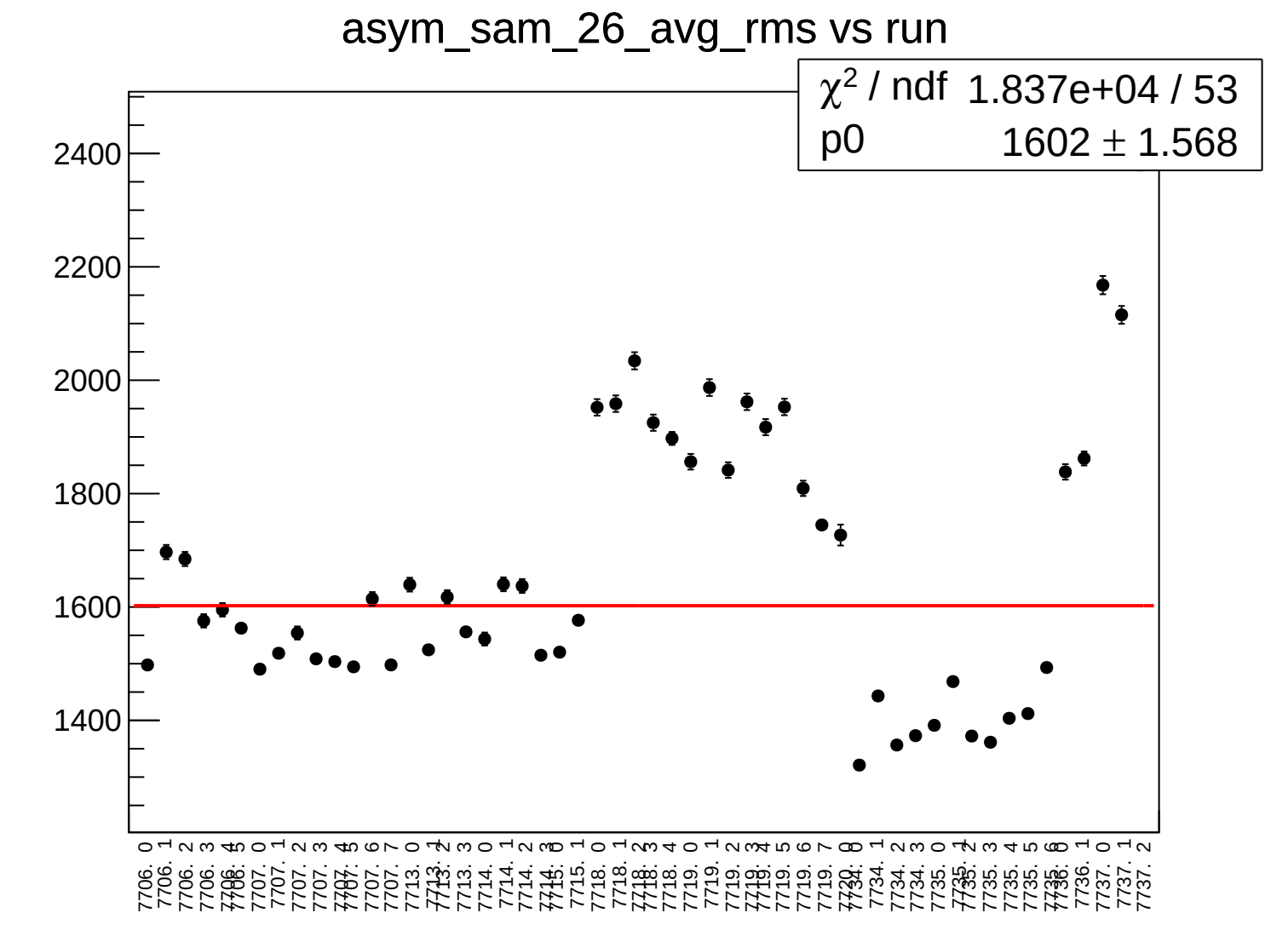

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.073e+04 / 53
p0 243.1 ± 0.2382
450
400
350
300
250
200

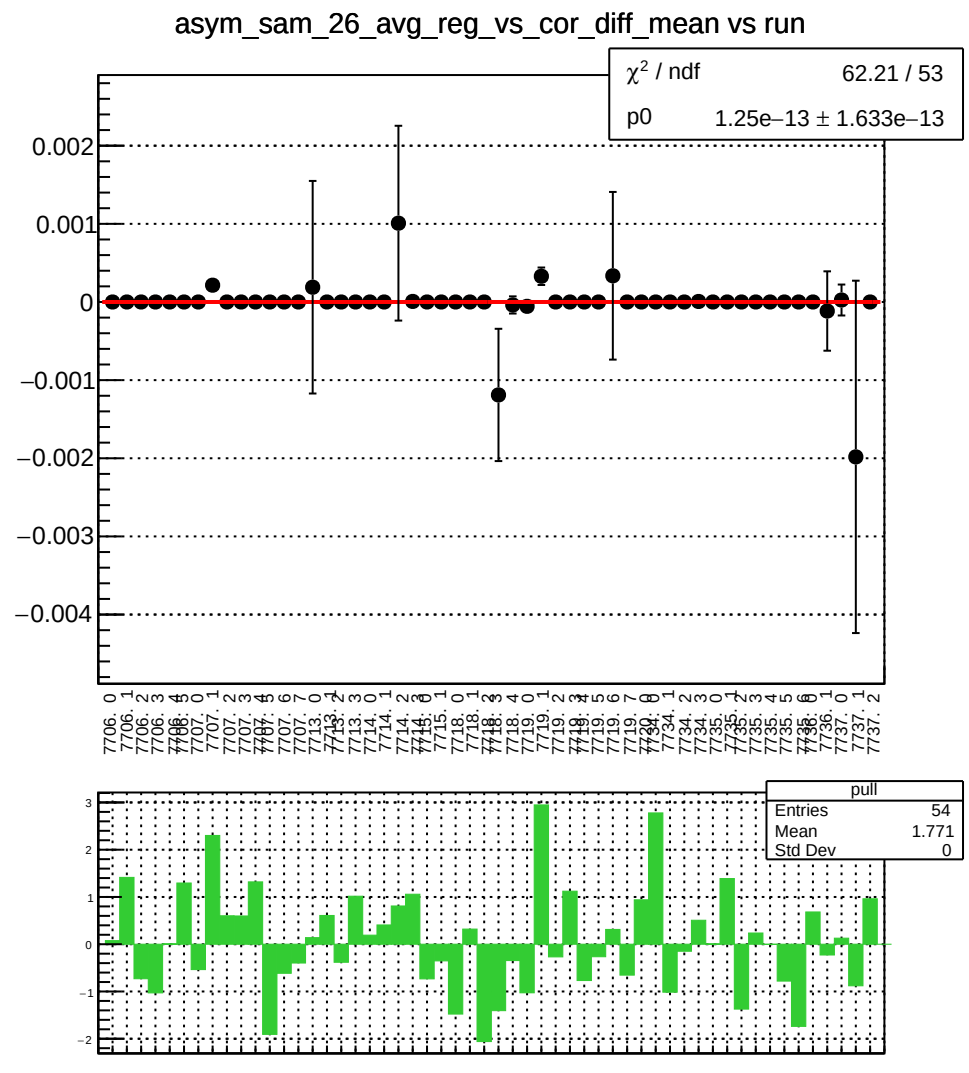

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.69 / 53
p0 246.9 ± 2334
pull
Entries 54
Mean 1263
Std Dev 0
pull1D
Entries 54
Mean −0.003575
Std Dev 0.8015

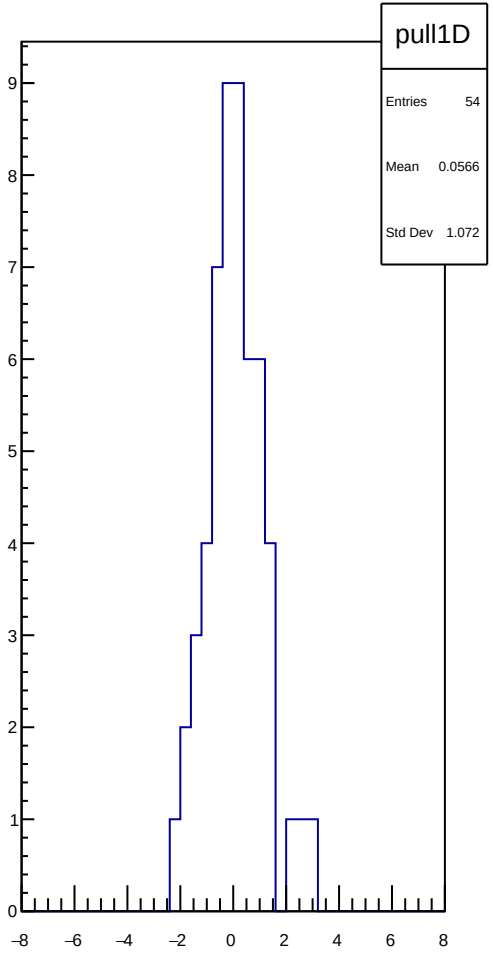

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.628e+04 / 53
p0 1688 ± 1.65
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

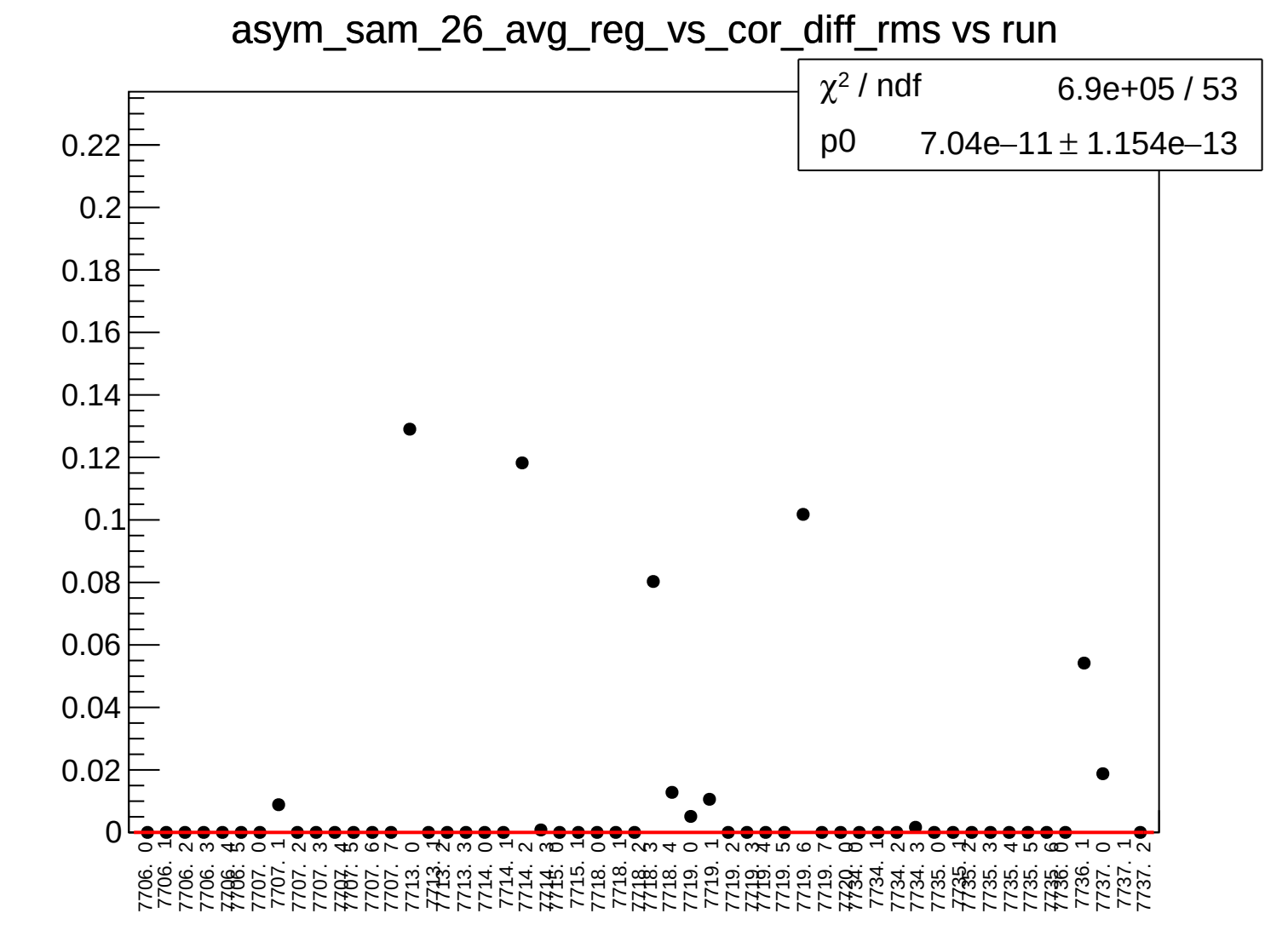

asym_sam_26_avg_mean vs run
χ² / ndf 35.57 / 53
p0 −35.06 ± 2218
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 7322
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.0006684
Std Dev 0.8116
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

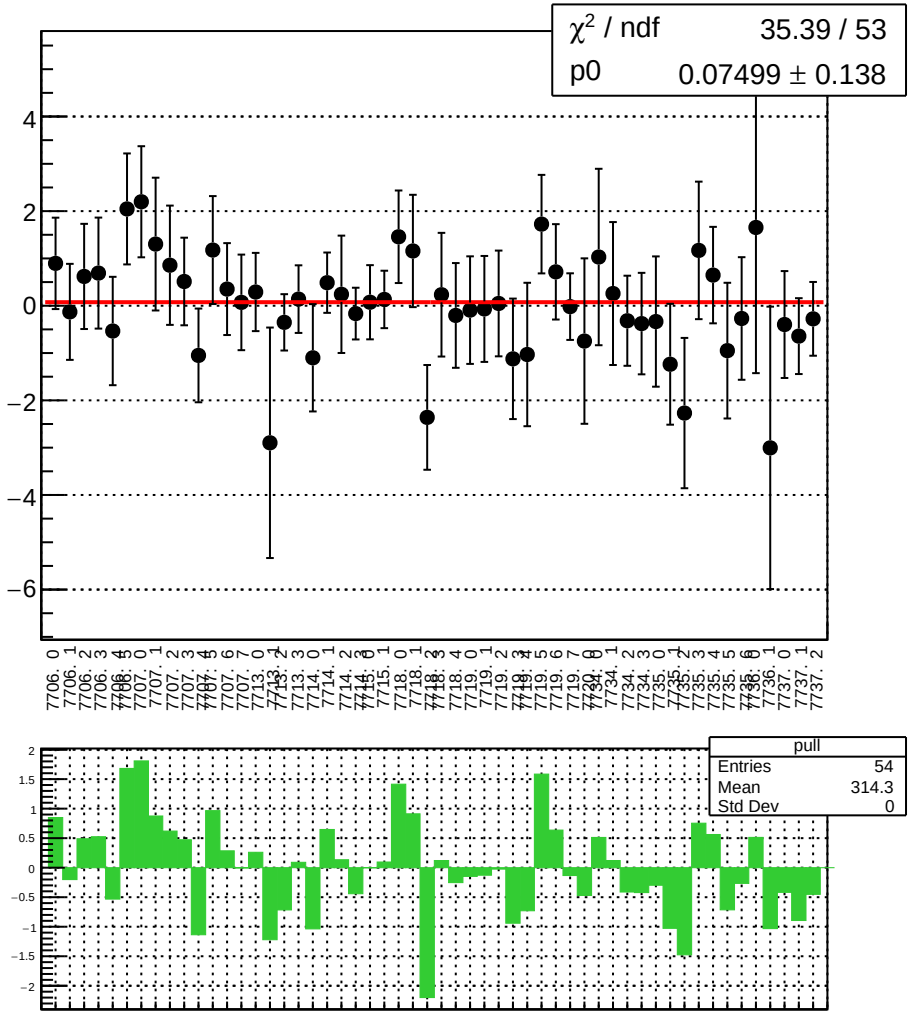

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.837e+04 / 53
p0 1602 ± 1.568
2400
2200
2000
1800
1600
1400

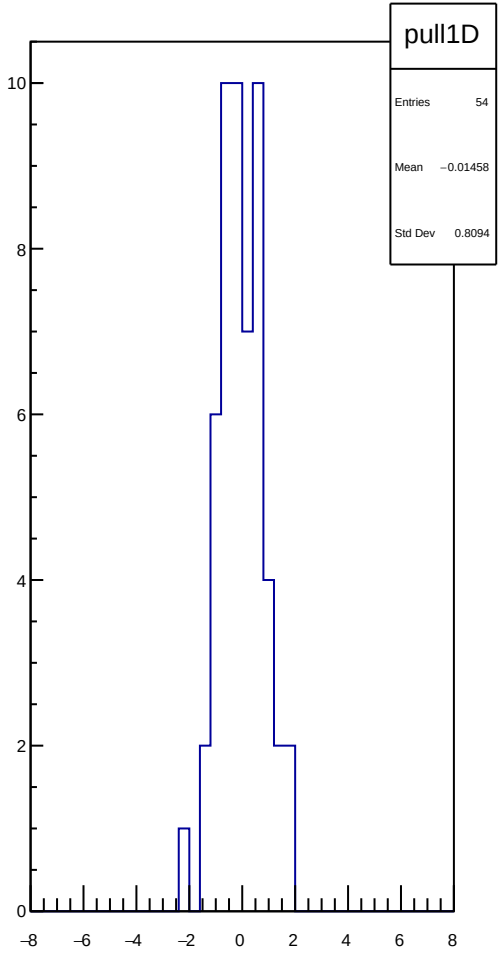

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.21 / 53
p0 1.25e−13 ± 1.633e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean 1.771
Std Dev 0
3
2
1
0
−1
−2

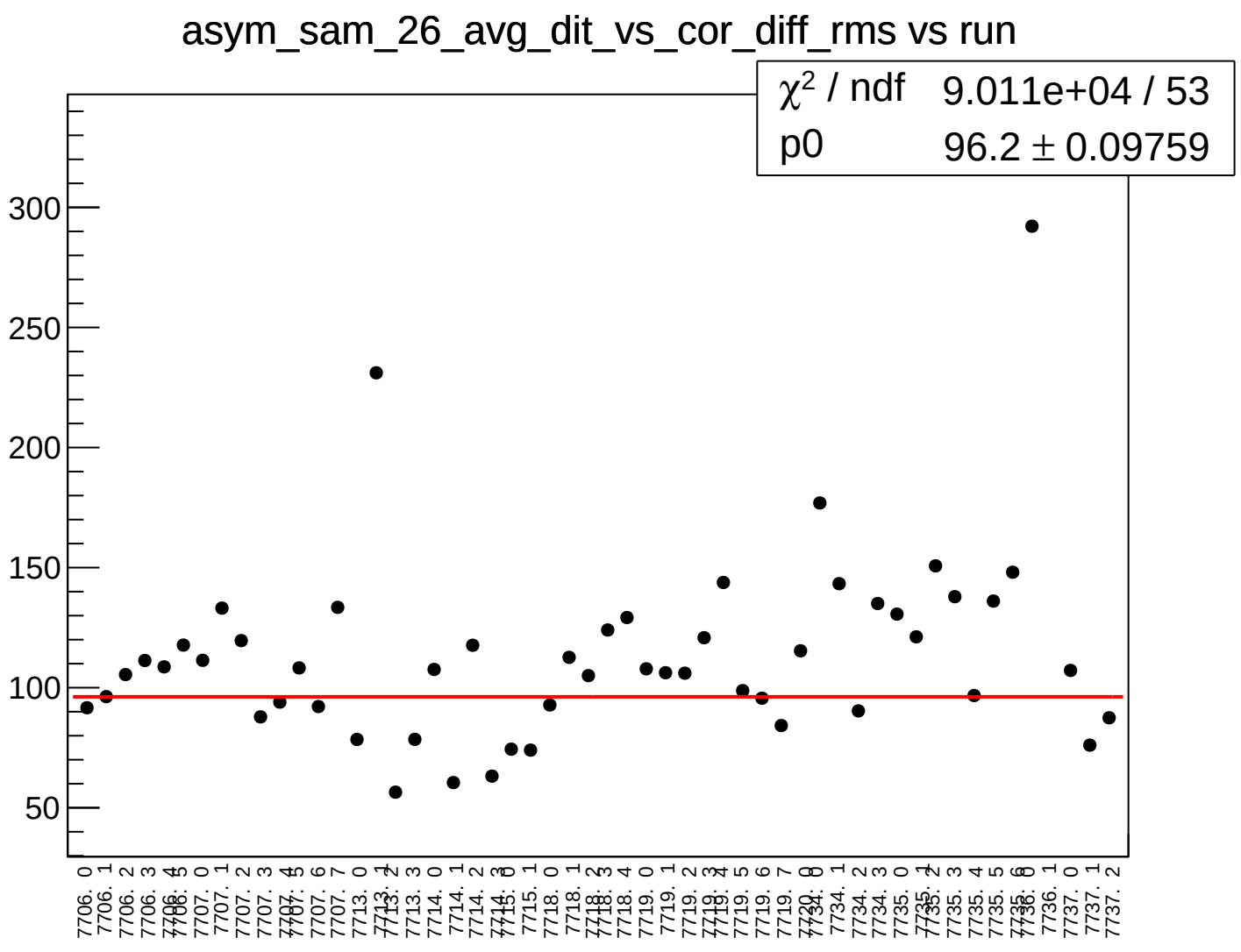

pull1D
Entries 54
Mean 0.0566
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

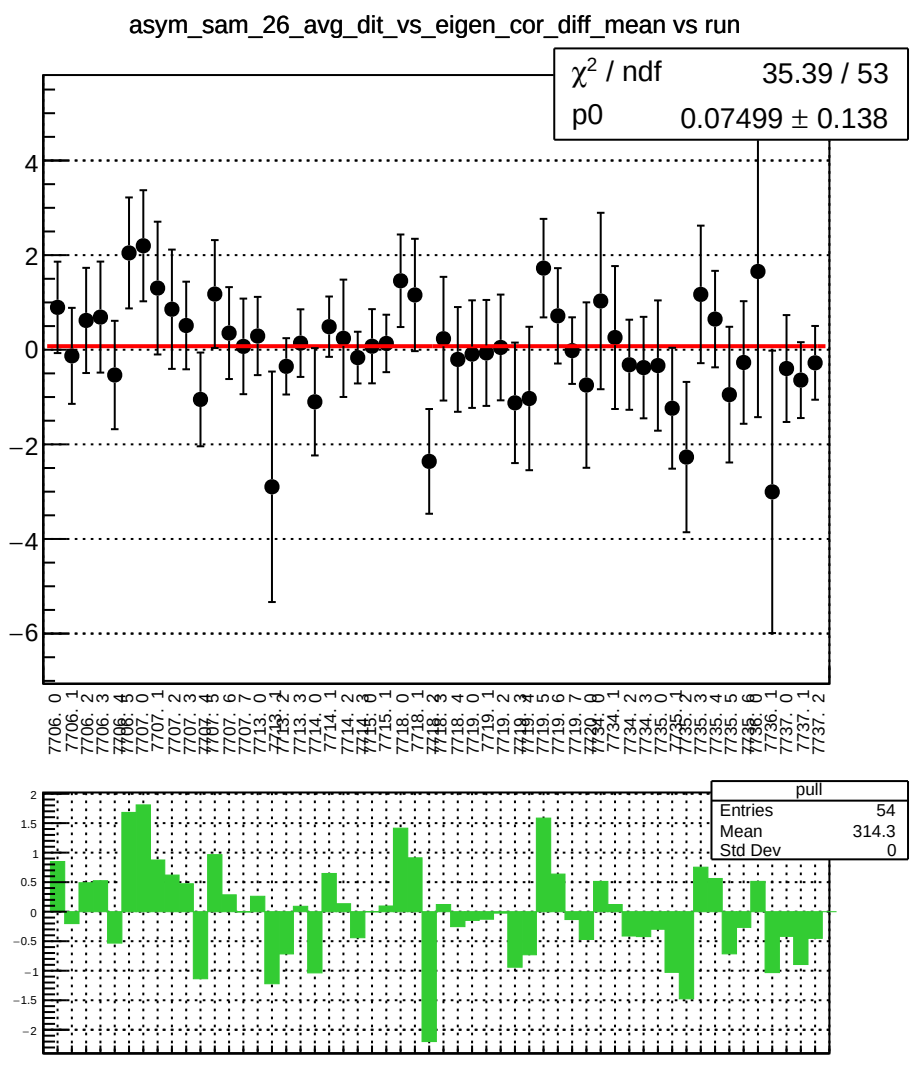

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.9e+05 / 53
p0 7.04e−11 ± 1.154e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

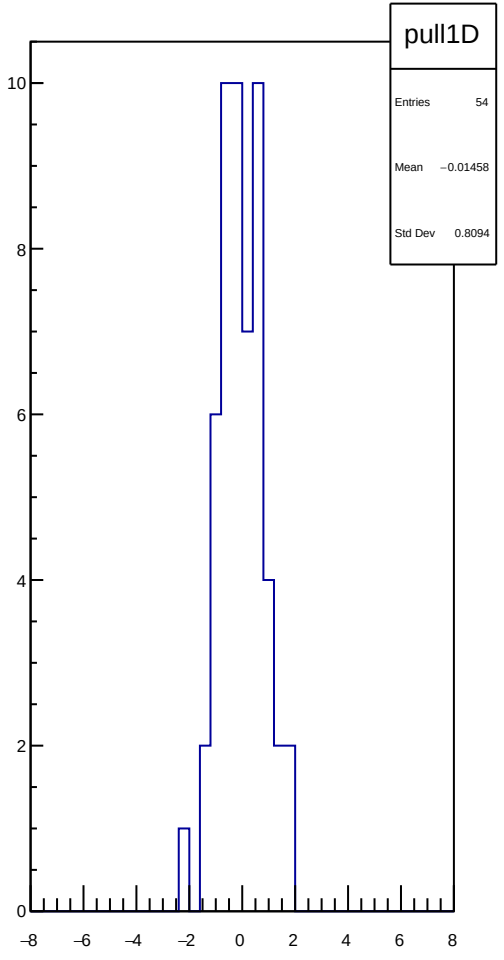
asym_sam_26_avg_dit_vs_cor_diff_mean vs run

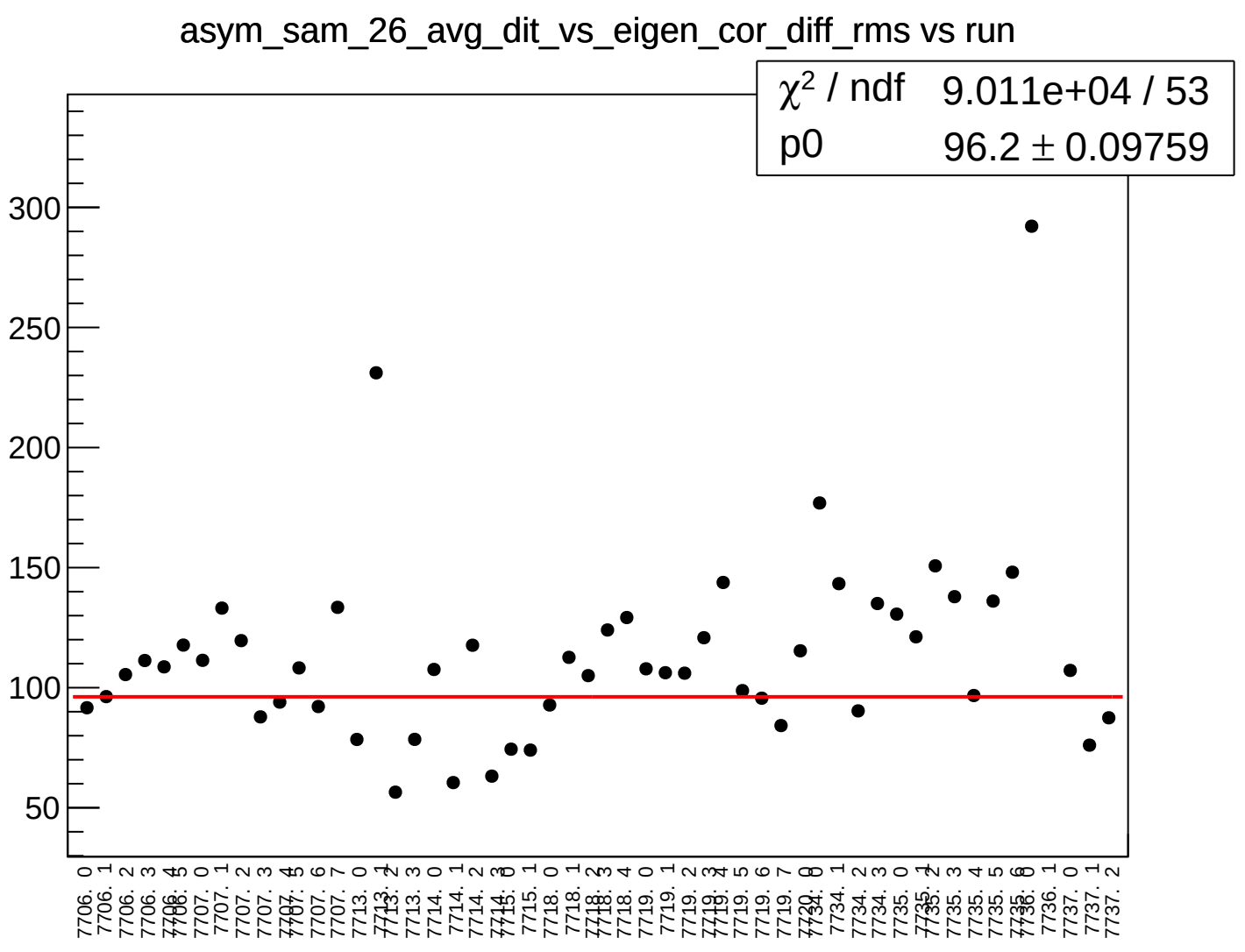


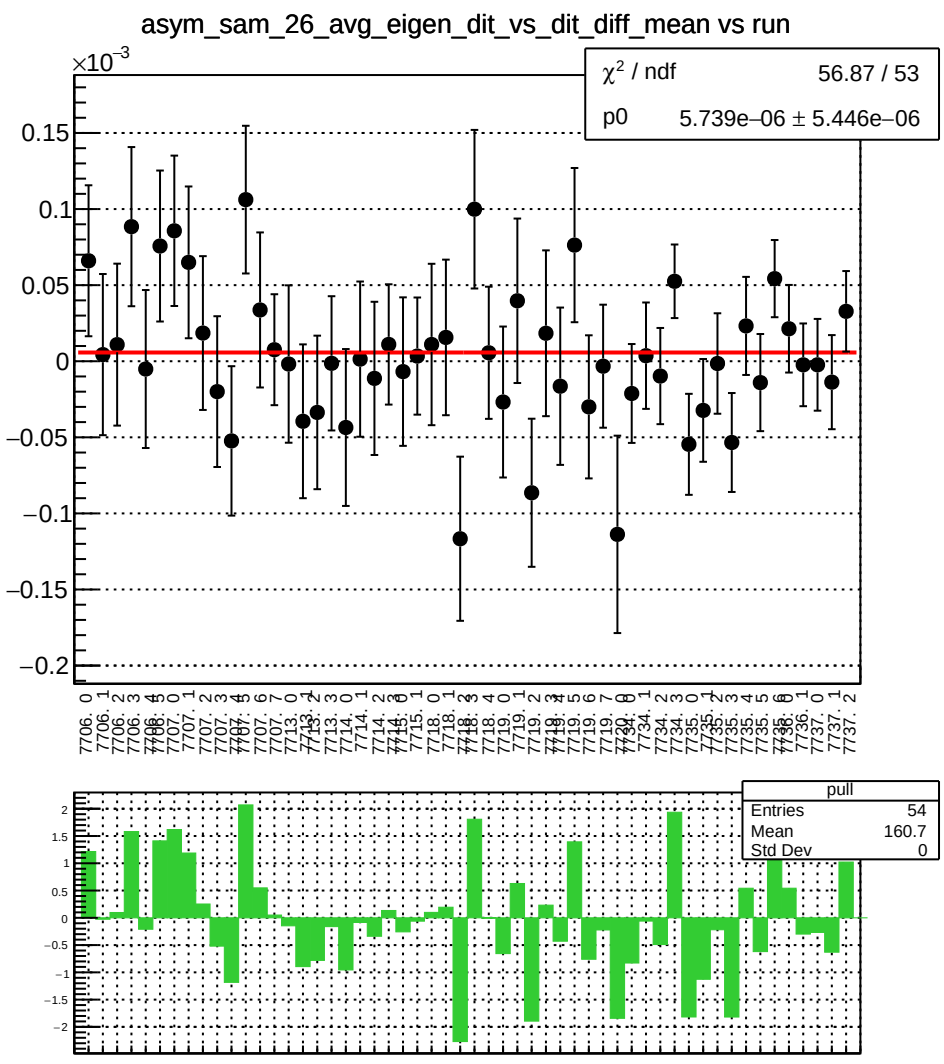


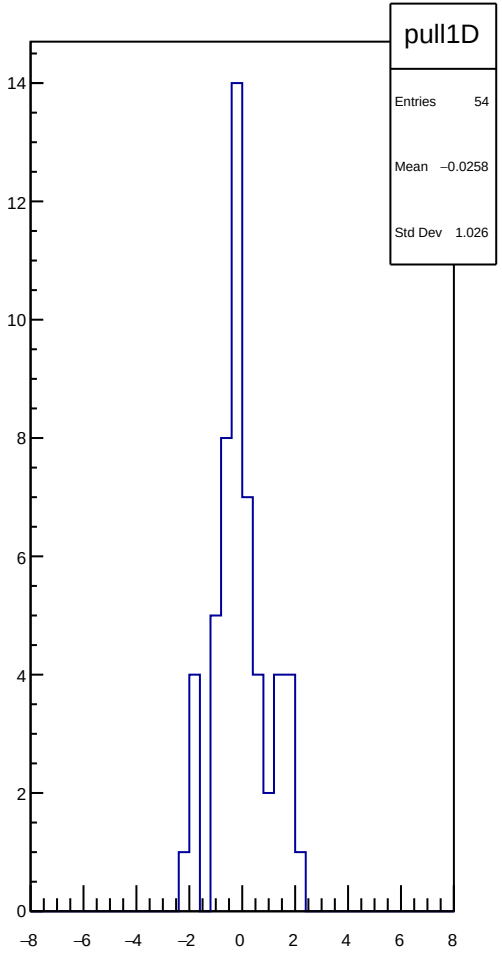

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.011e+04 / 53
p0 96.2 ± 0.09759
300
250
200
150
100
50

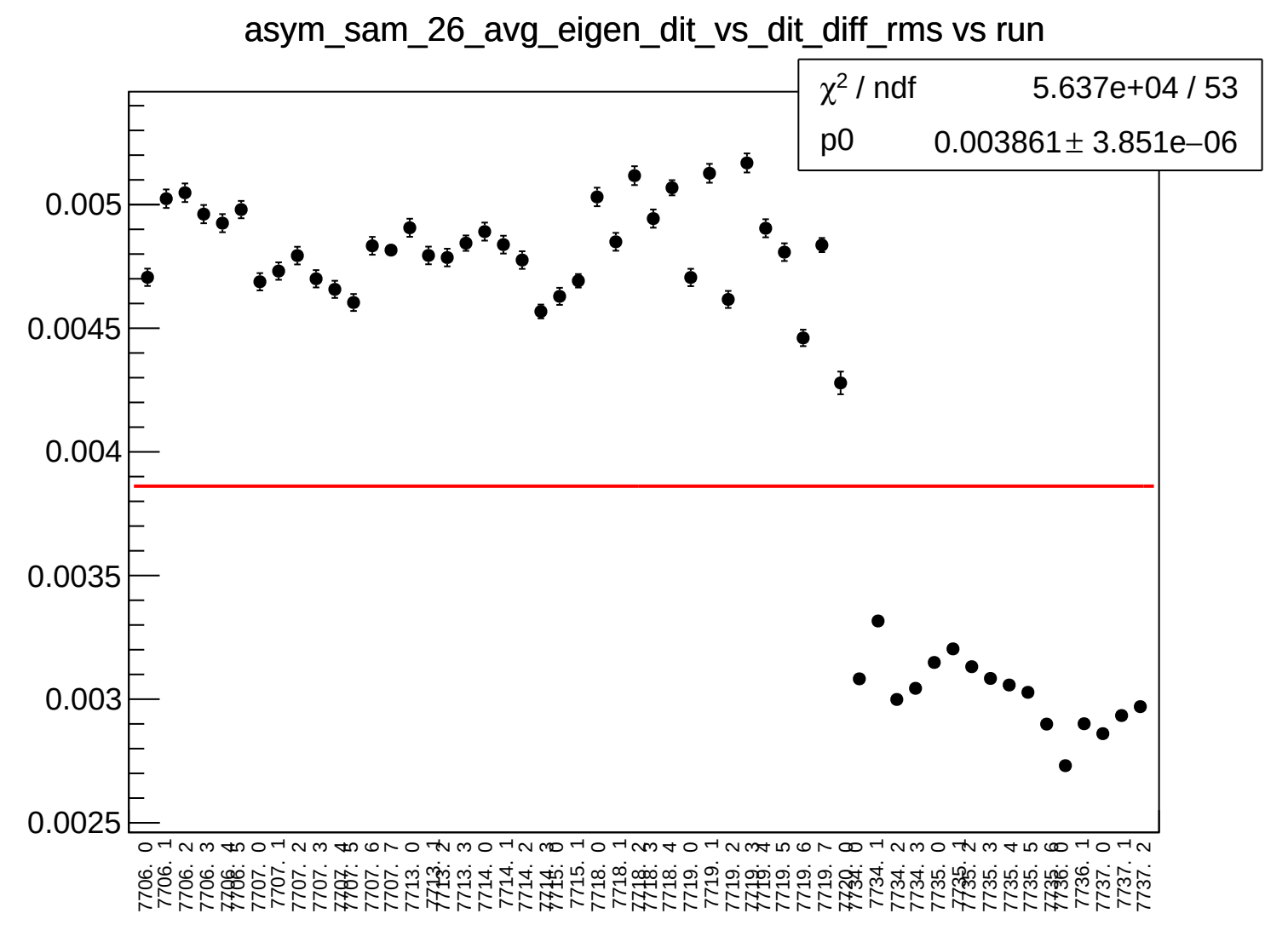

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.39 / 53
p0 0.07499 ± 0.138
pull
Entries 54
Mean 314.3
Std Dev 0


pull1D
Entries 54
Mean −0.01458
Std Dev 0.8094

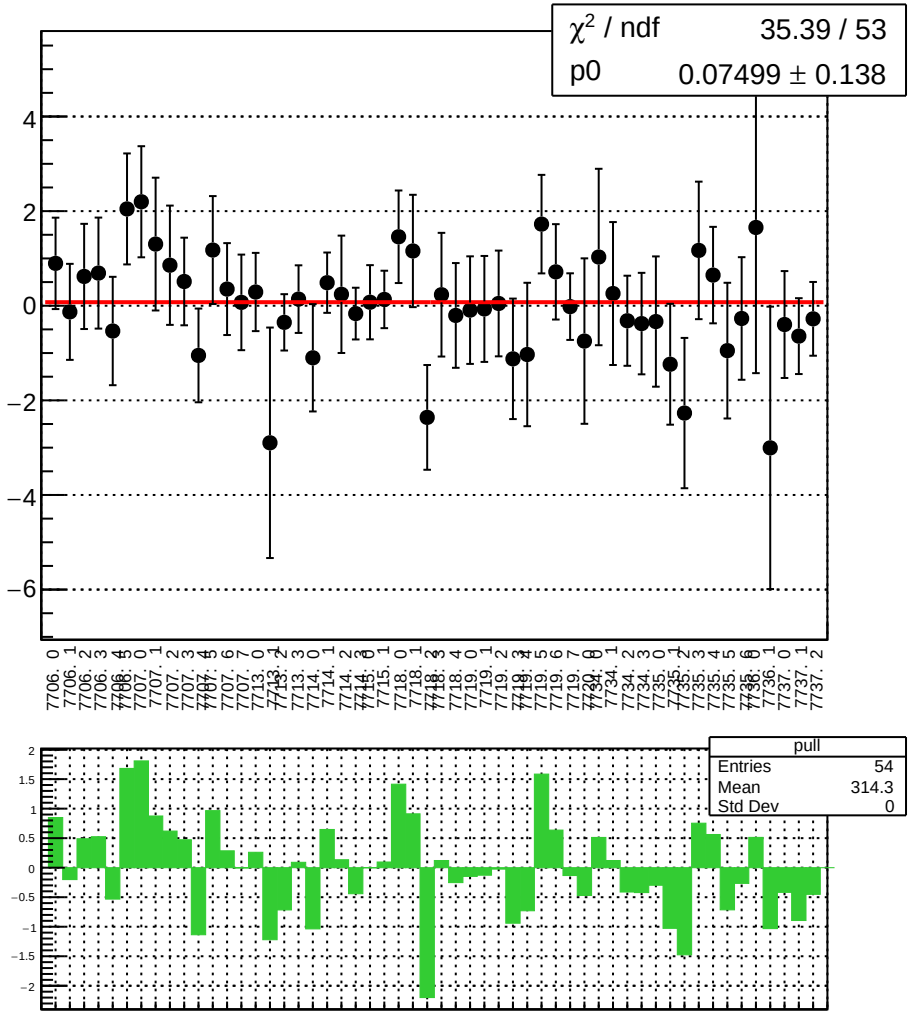

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.011e+04 / 53
p0 96.2 ± 0.09759
300
250
200
150
100
50

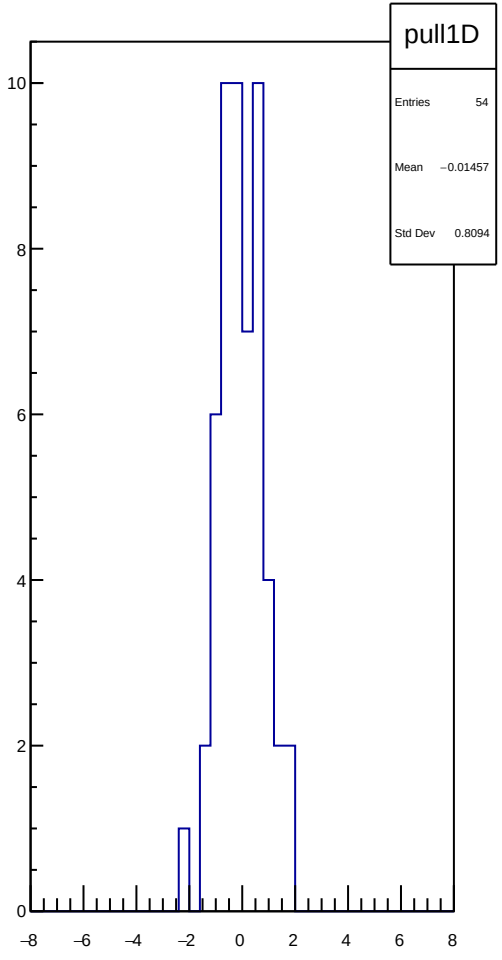

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.87 / 53
p0 5.739e−06 ± 5.446e−06
pull
Entries 54
Mean 160.7
Std Dev 0

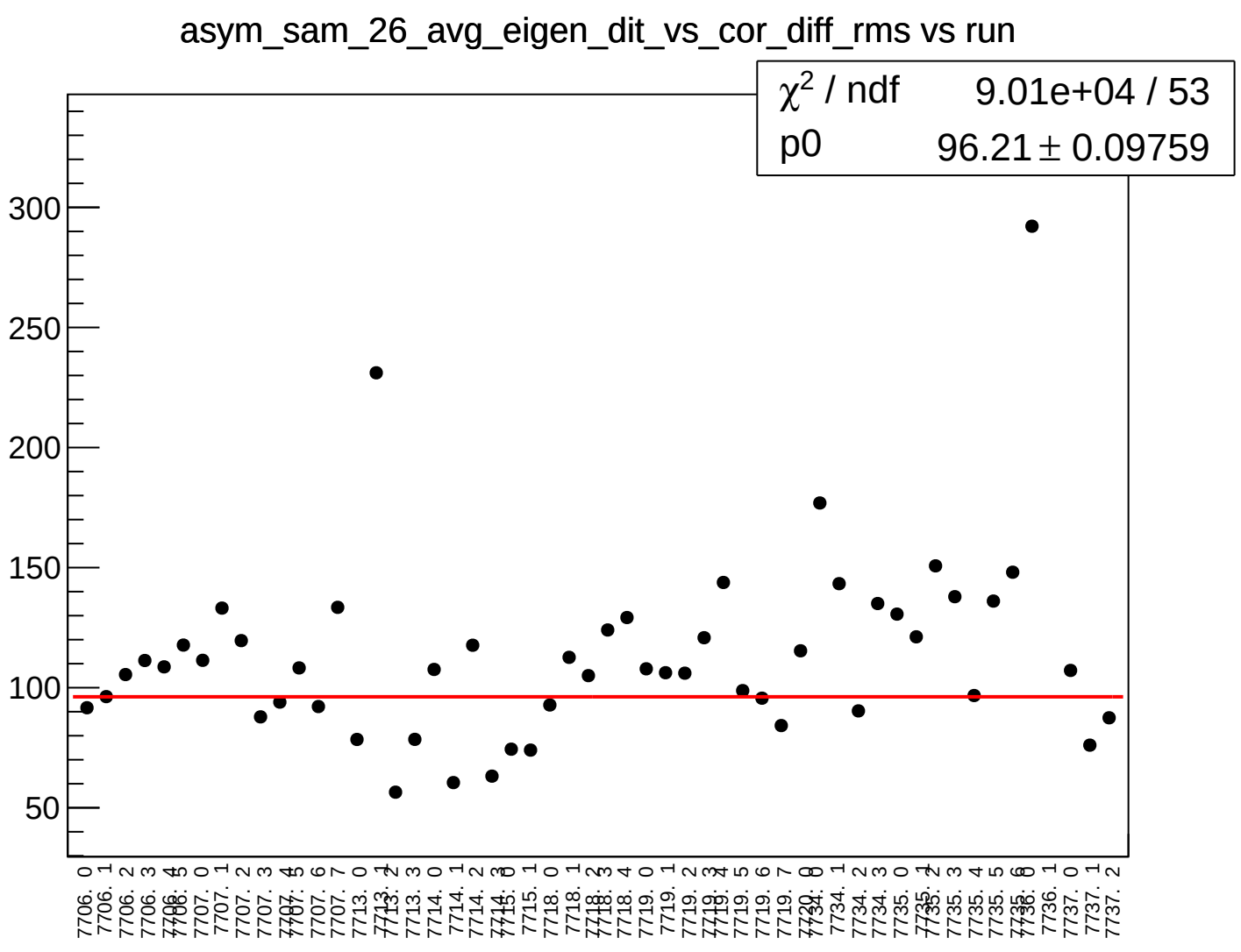

pull1D
Entries 54
Mean −0.0258
Std Dev 1.026

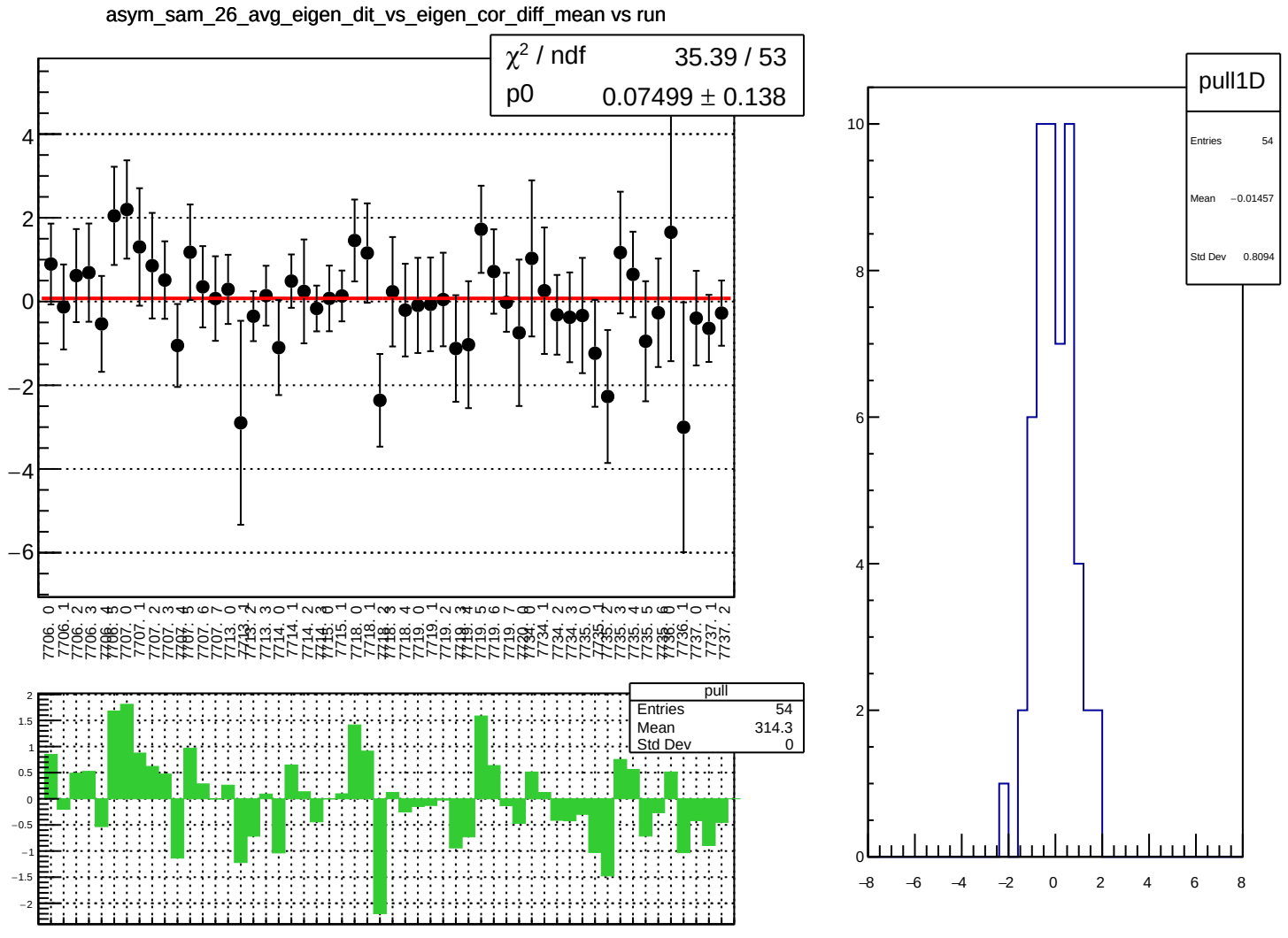

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.637e+04 / 53
p0 0.003861 ± 3.851e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025

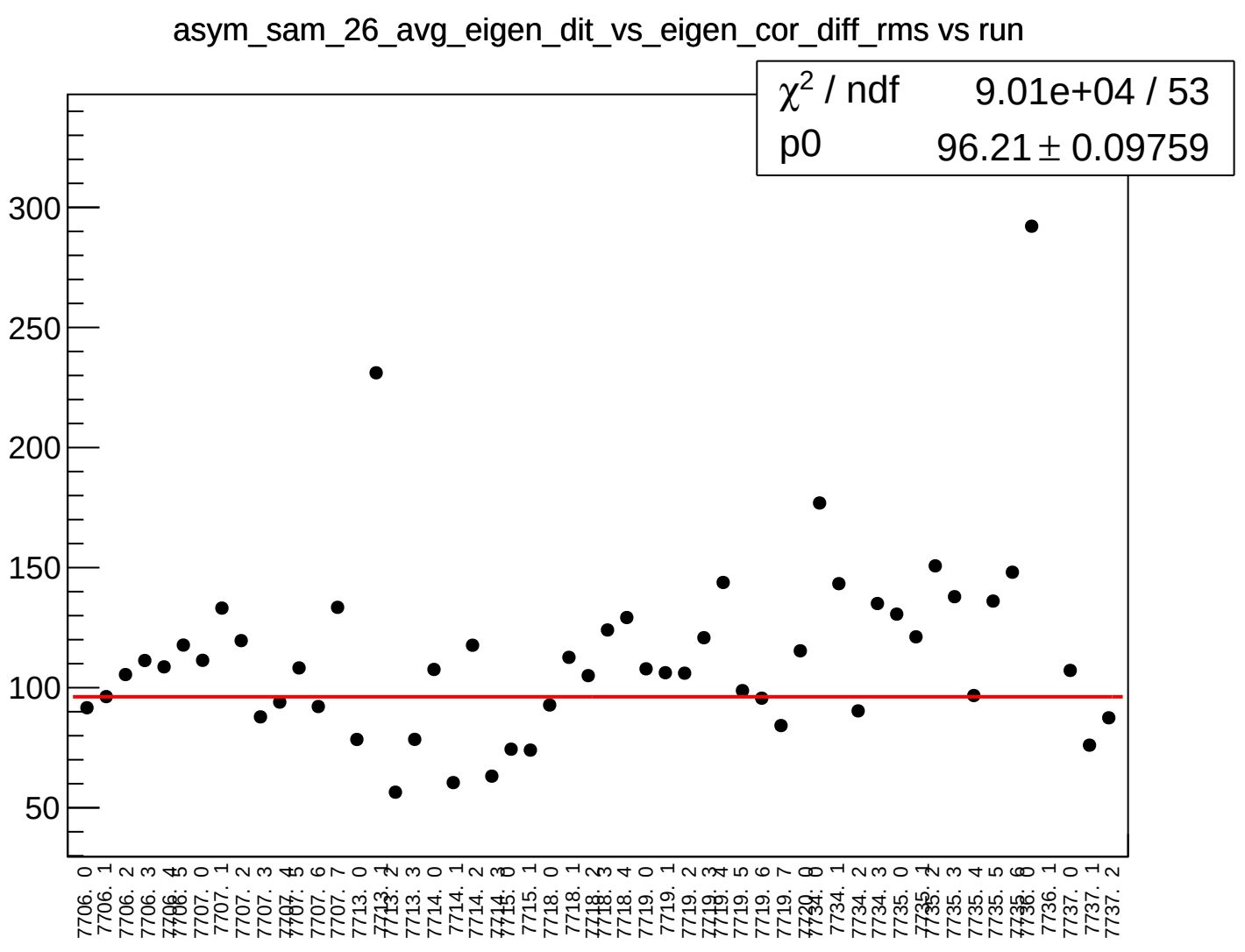
asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run

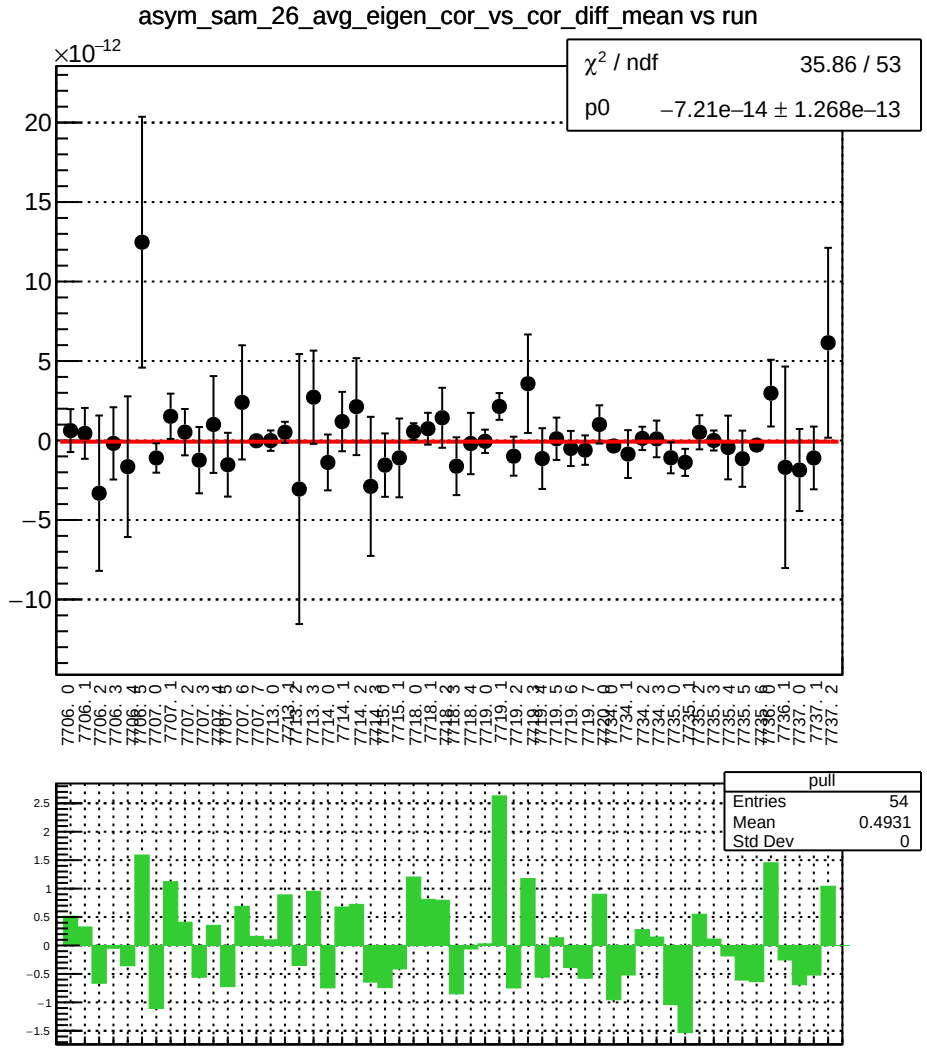


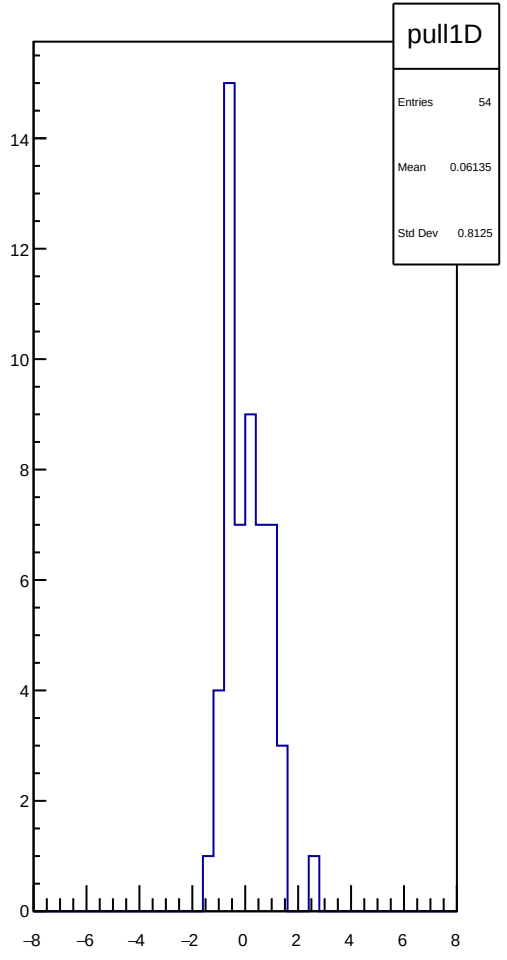


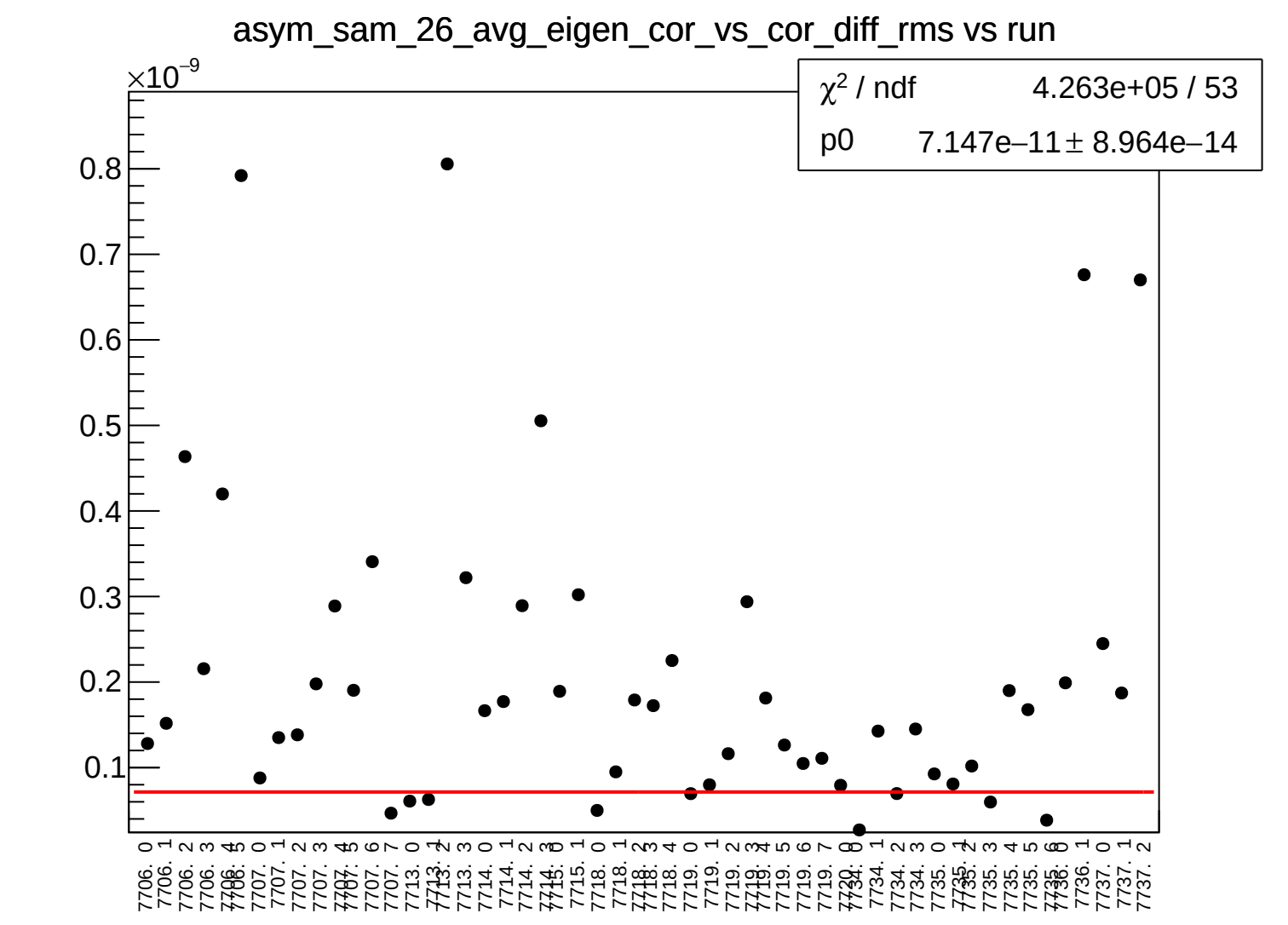

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.01e+04 / 53
p0 96.21 ± 0.09759
300
250
200
150
100
50

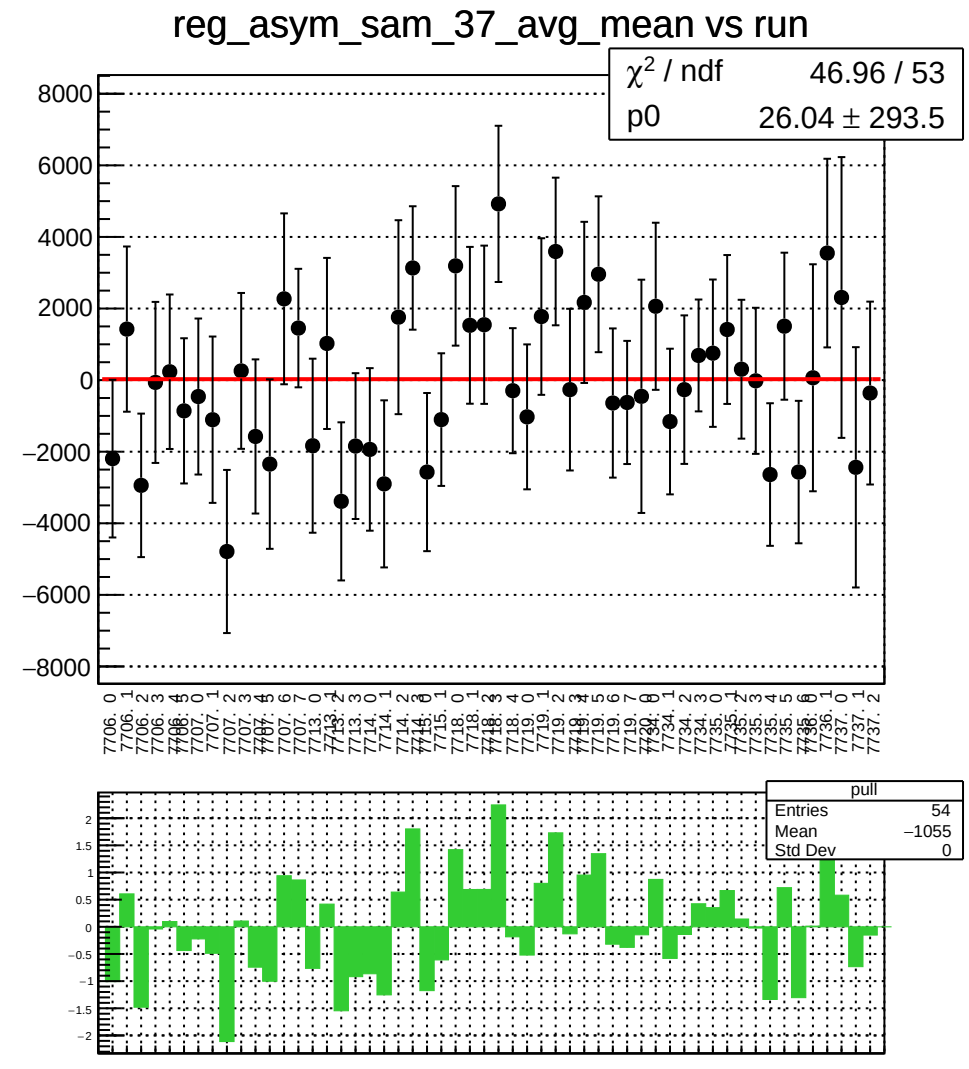

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.39 / 53
p0 0.07499 ± 0.138
pull
Entries 54
Mean 314.3
Std Dev 0
pull1D
Entries 54
Mean −0.01457
Std Dev 0.8094

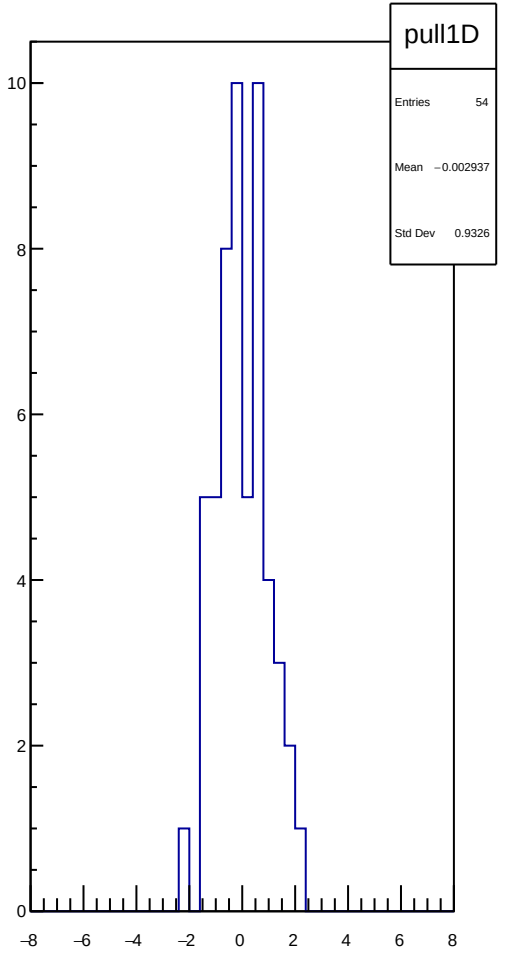

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.01e+04 / 53
p0 96.21 ± 0.09759
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

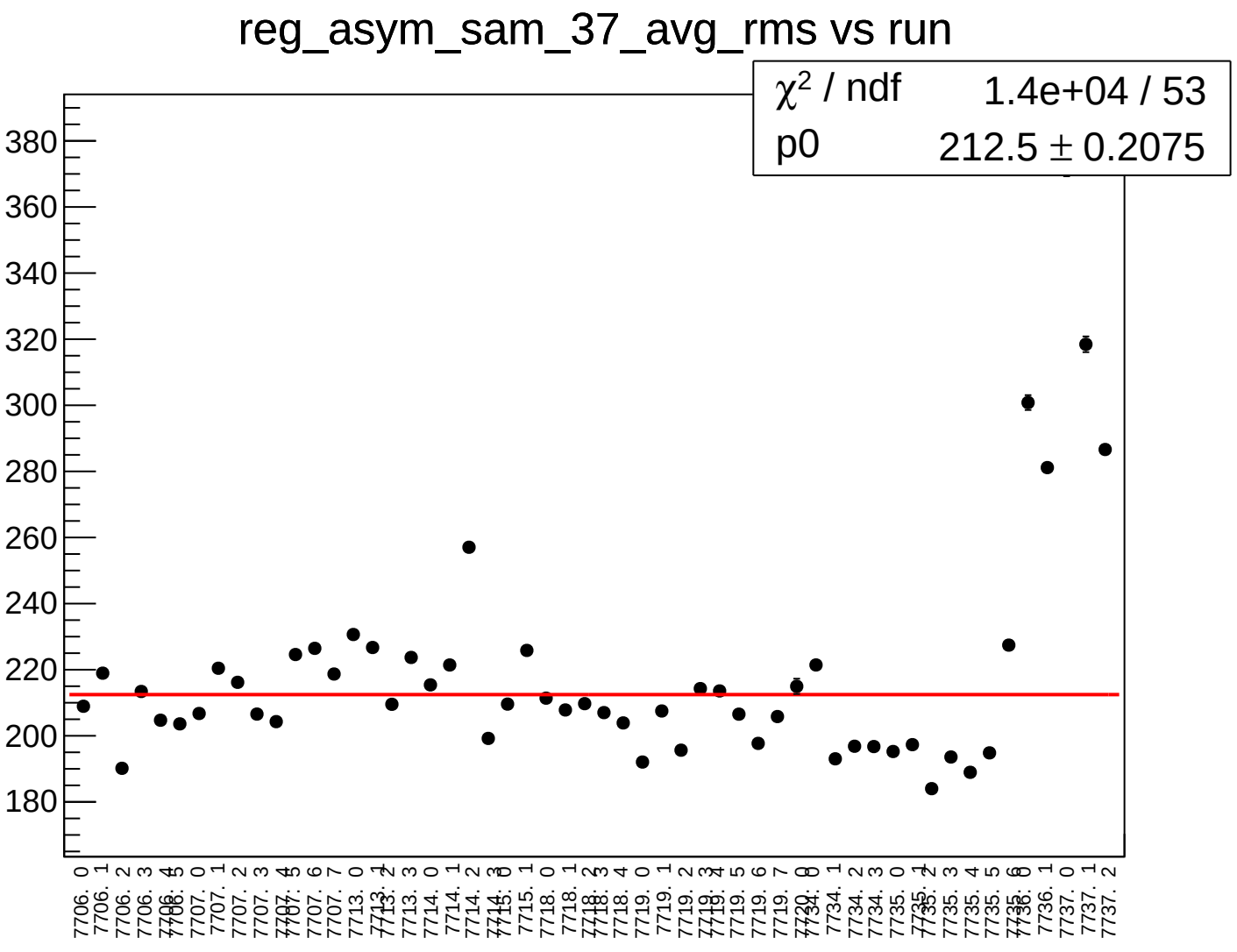

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.86 / 53
p0 −7.21e−14 ± 1.268e−13
pull
Entries 54
Mean 0.4931
Std Dev 0

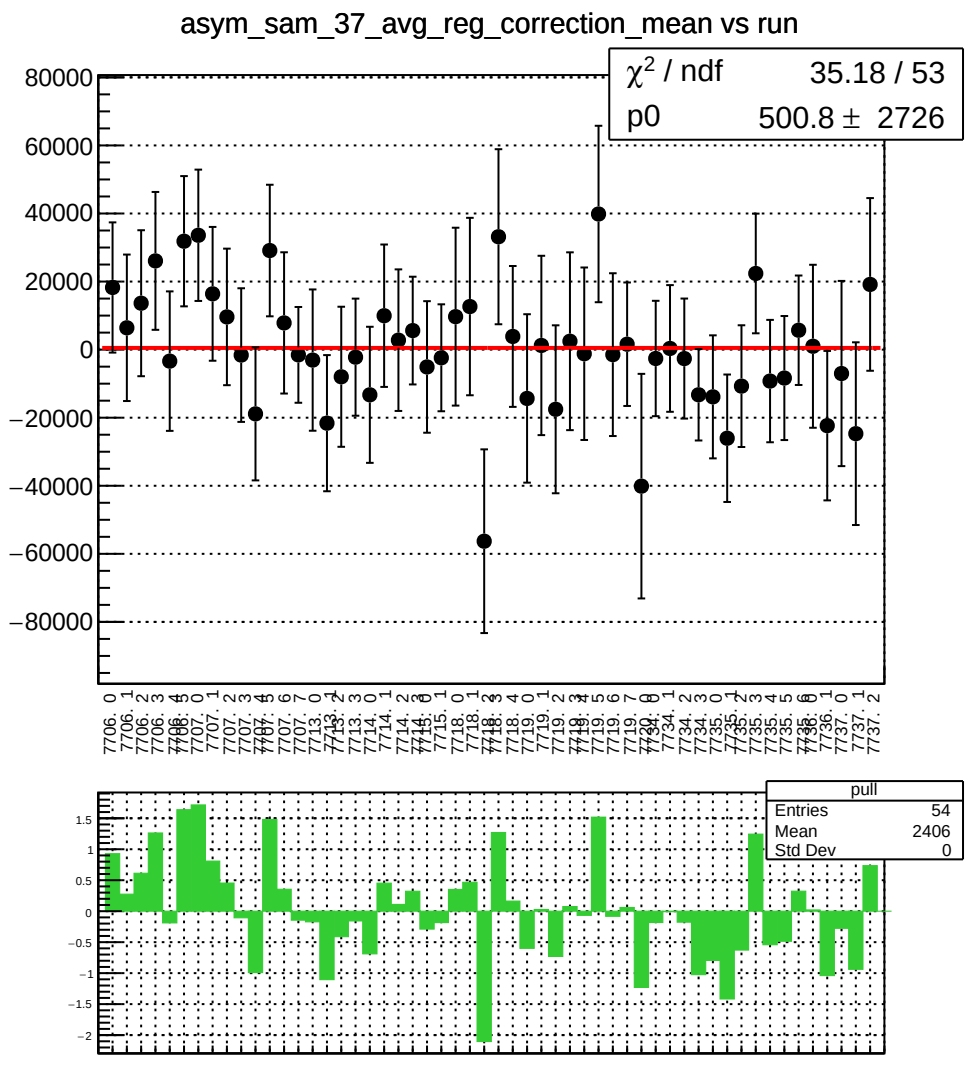

pull1D
Entries 54
Mean 0.06135
Std Dev 0.8125

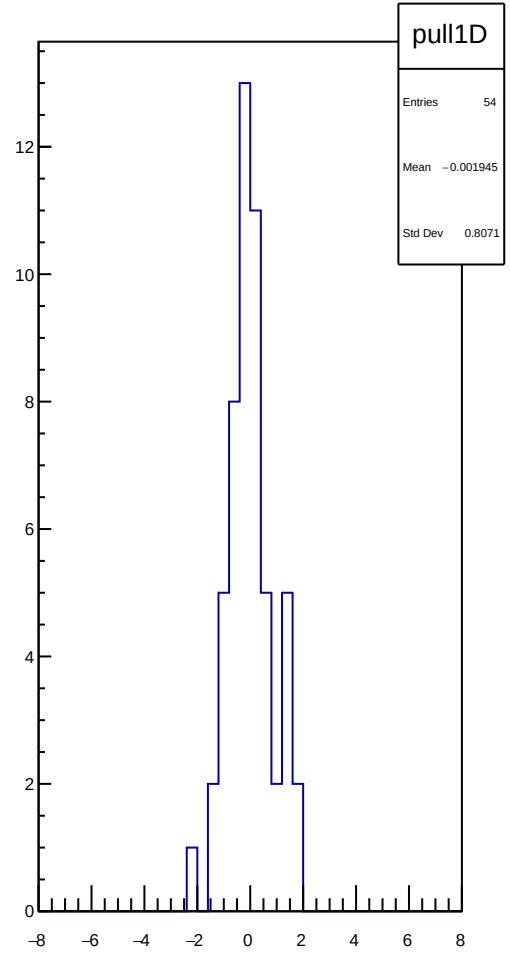

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.263e+05 / 53
p0 7.147e−11 ± 8.964e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

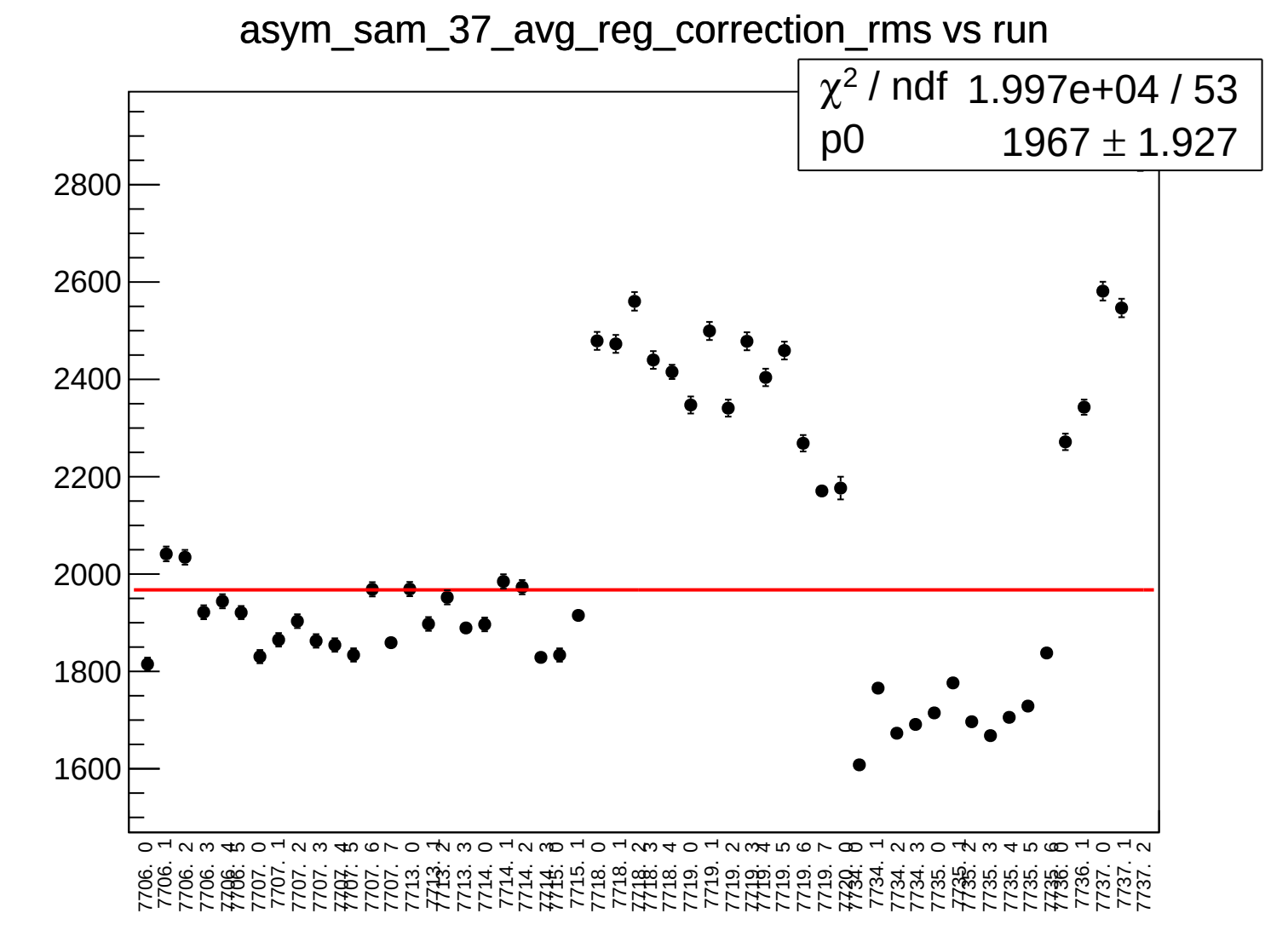

reg_asym_sam_37_avg_mean vs run
χ² / ndf 46.96 / 53
p0 26.04 ± 293.5
pull
Entries 54
Mean −1055
Std Dev 0

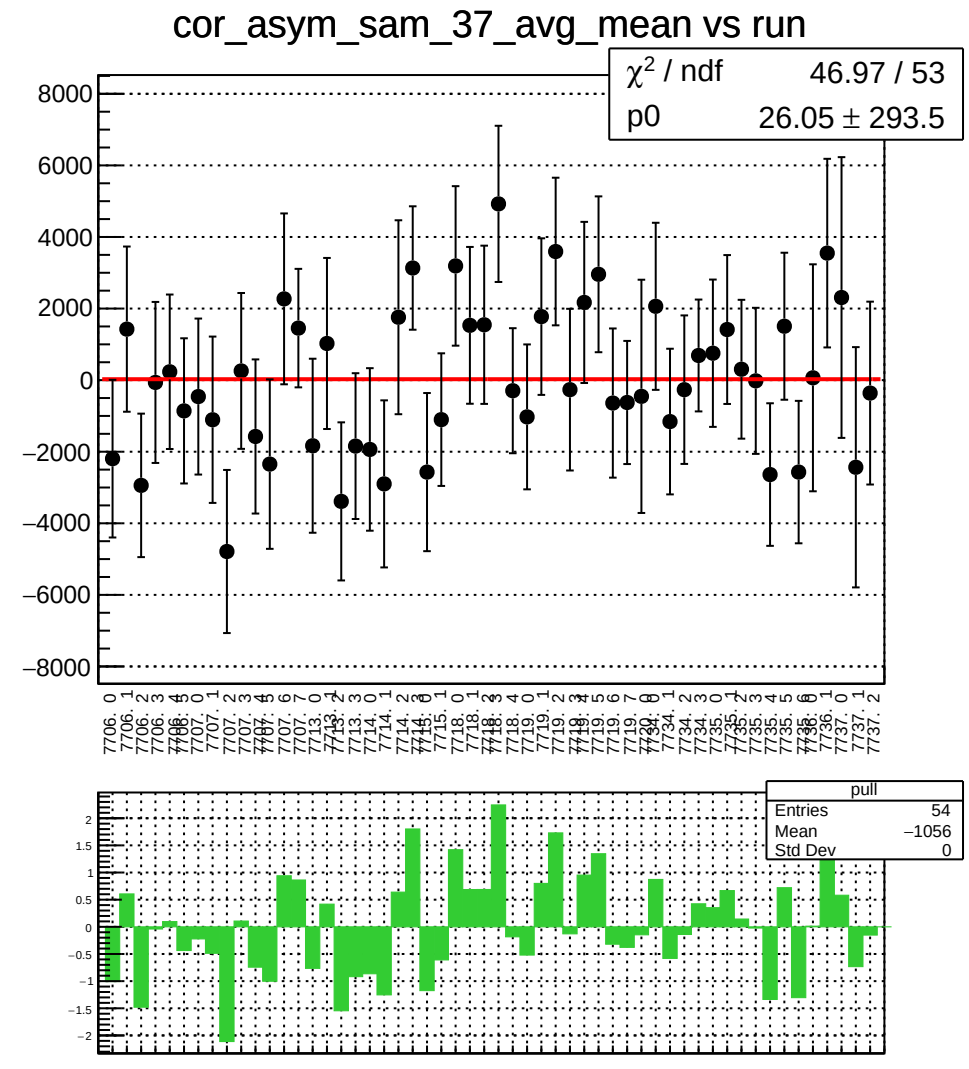

pull1D
Entries 54
Mean −0.002937
Std Dev 0.9326

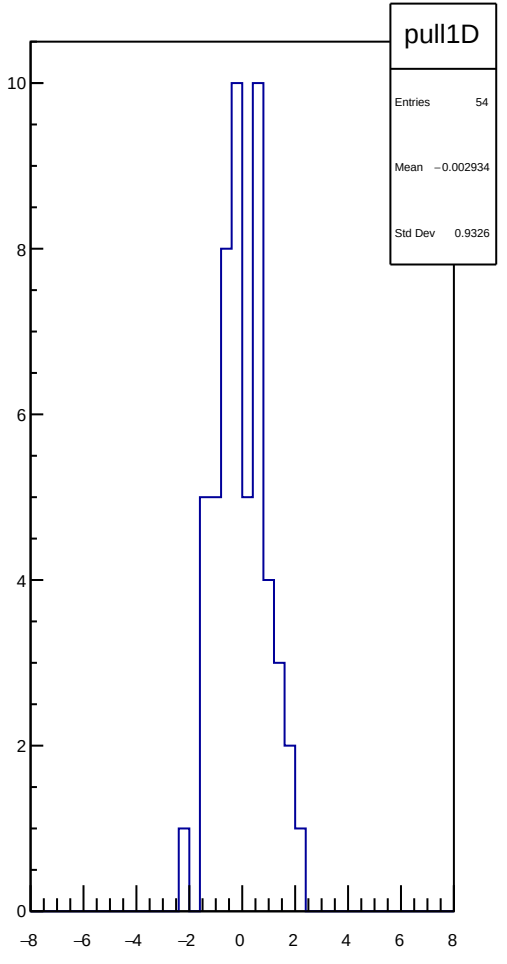

reg_asym_sam_37_avg_rms vs run
χ² / ndf 1.4e+04 / 53
p0 212.5 ± 0.2075
380
360
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

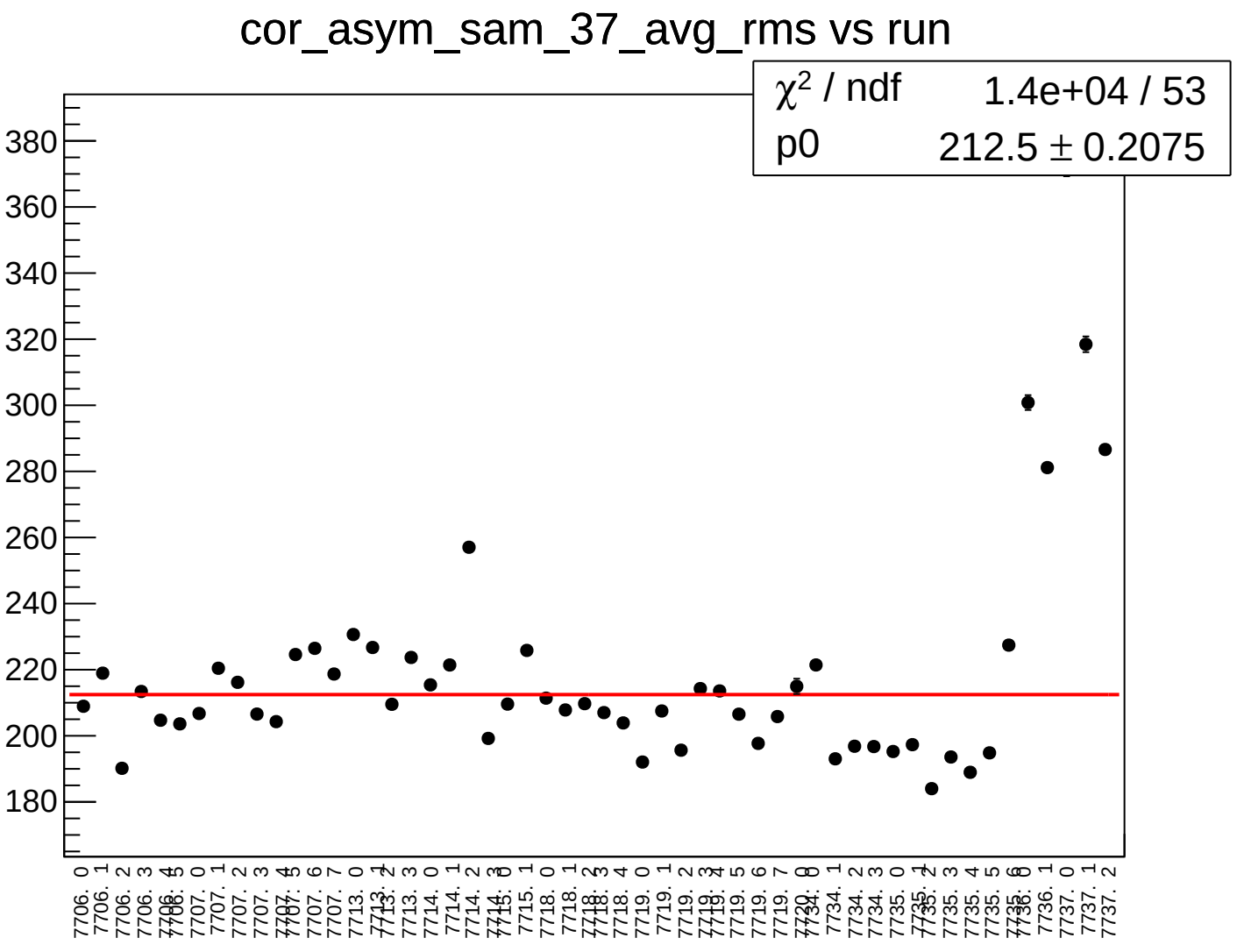

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 35.18 / 53
p0 500.8 ± 2726
pull
Entries 54
Mean 2406
Std Dev 0

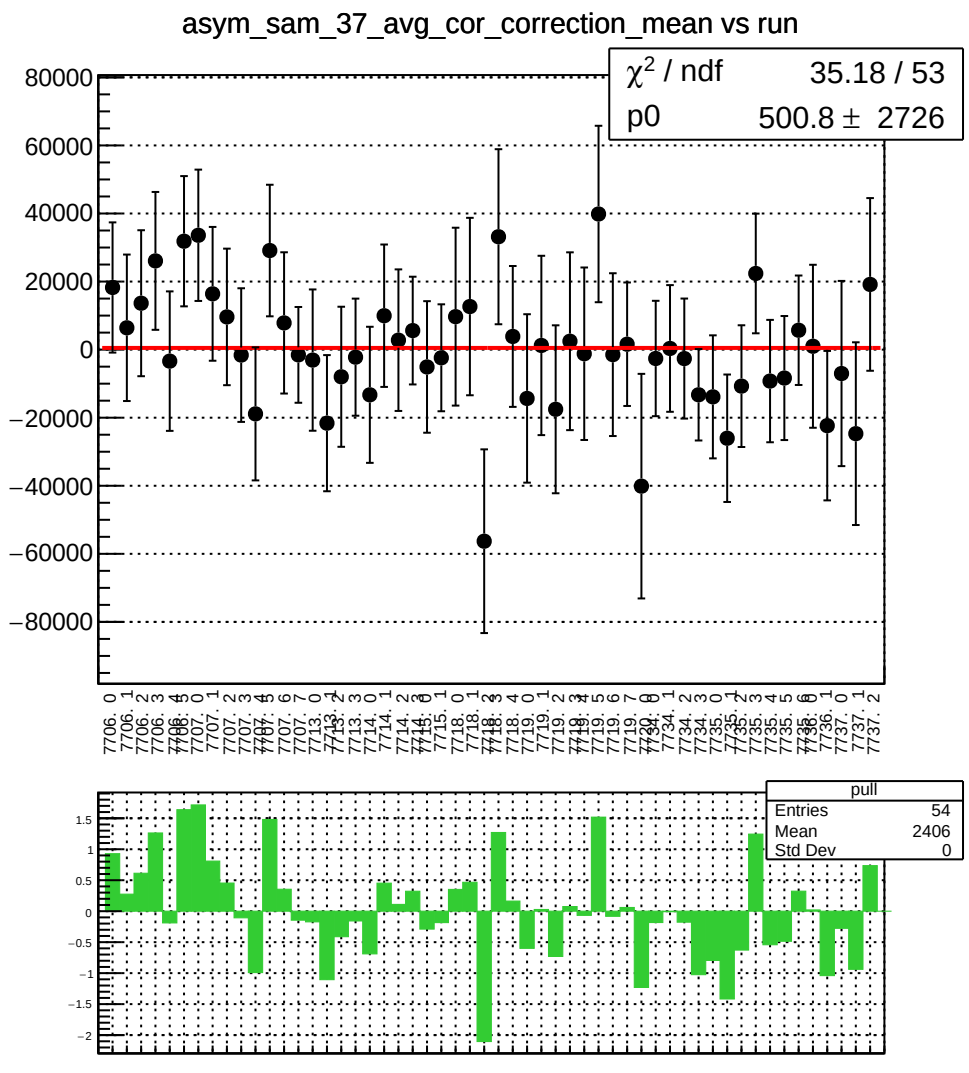

pull1D
Entries 54
Mean −0.001945
Std Dev 0.8071

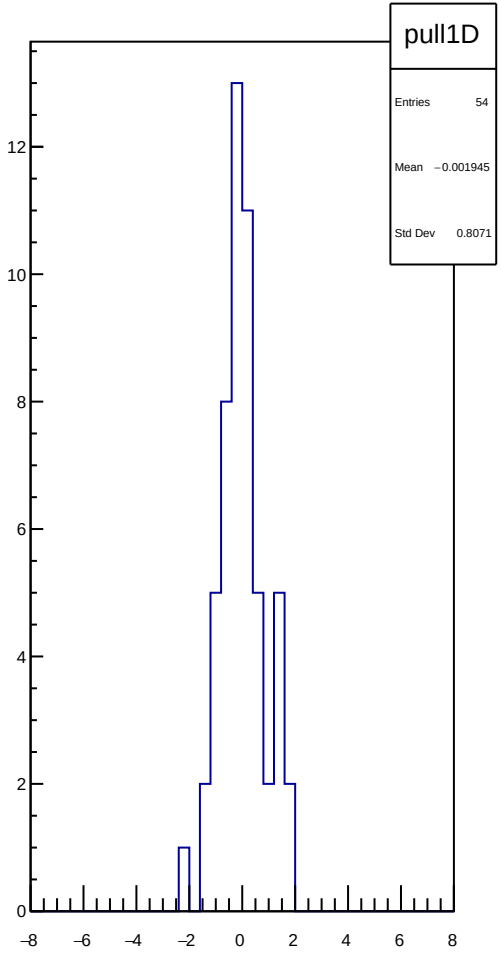

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1.997e+04 / 53
p0 1967 ± 1.927
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

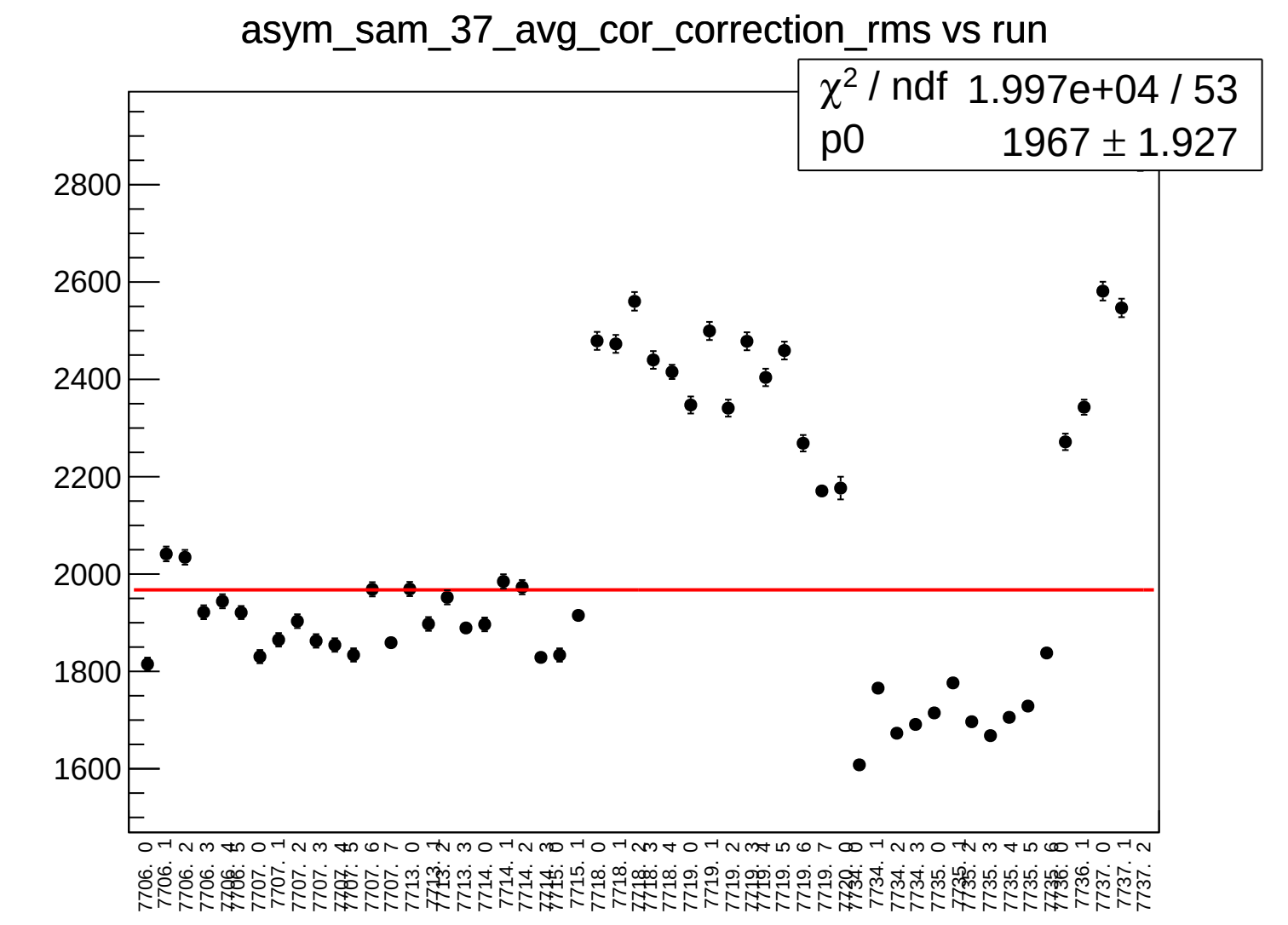

cor_asym_sam_37_avg_mean vs run
χ² / ndf 46.97 / 53
p0 26.05 ± 293.5
pull
Entries 54
Mean −1056
Std Dev 0

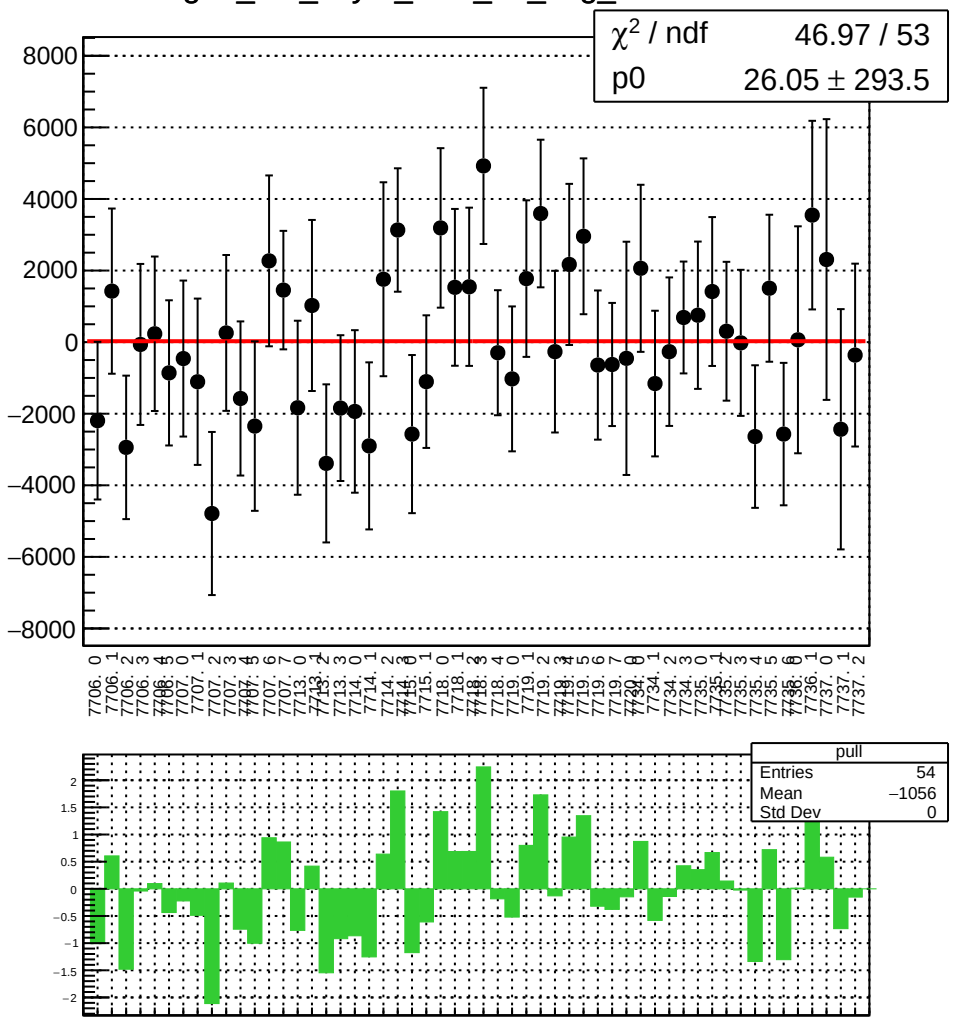

pull1D
Entries 54
Mean −0.002934
Std Dev 0.9326

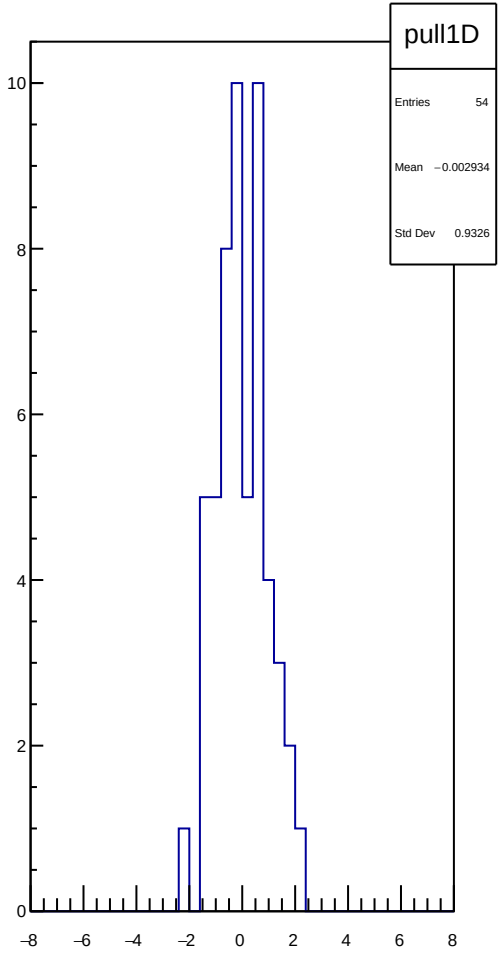

cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.4e+04 / 53
p0 212.5 ± 0.2075
380
360
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

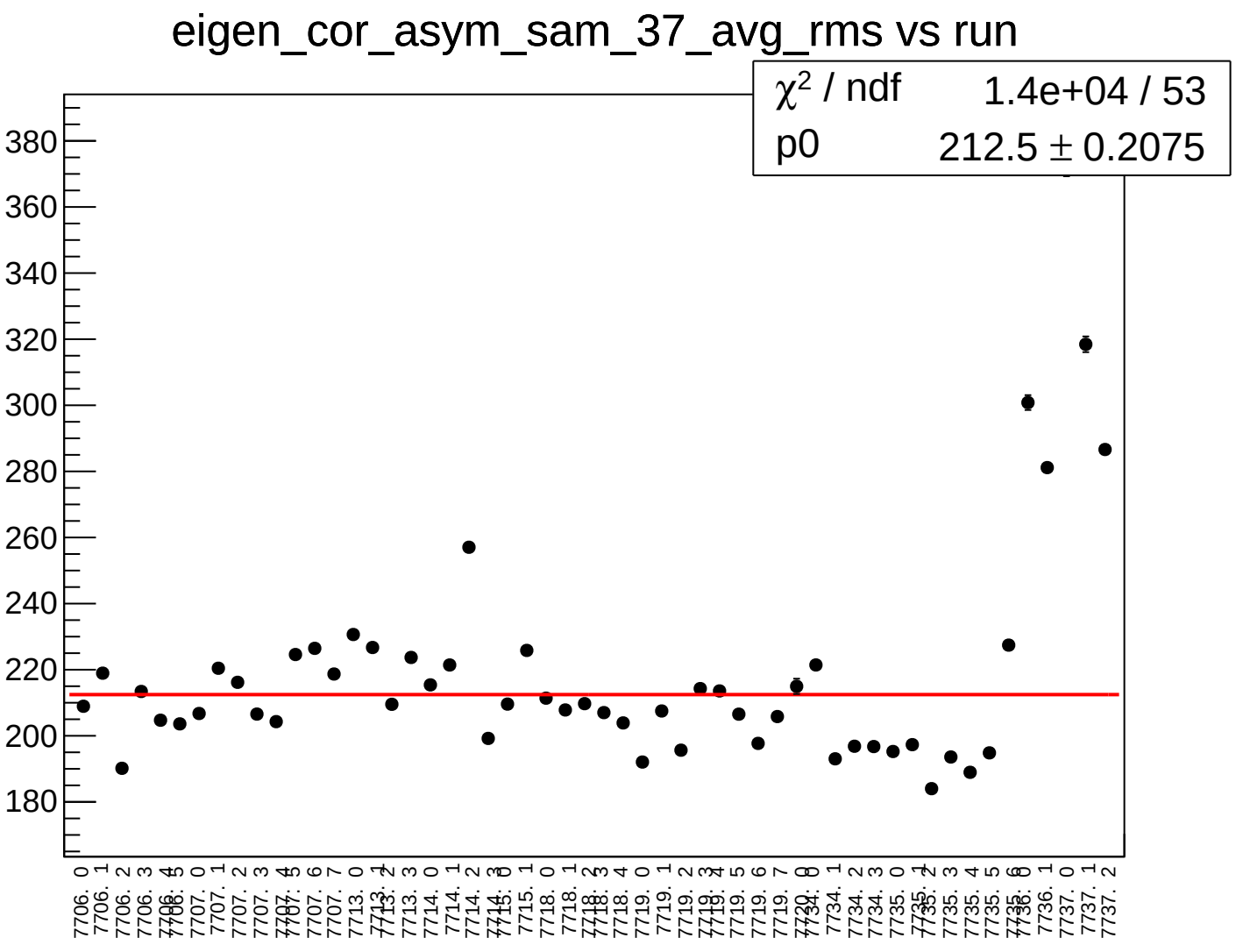

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 35.18 / 53
p0 500.8 ± 2726
pull
Entries 54
Mean 2406
Std Dev 0

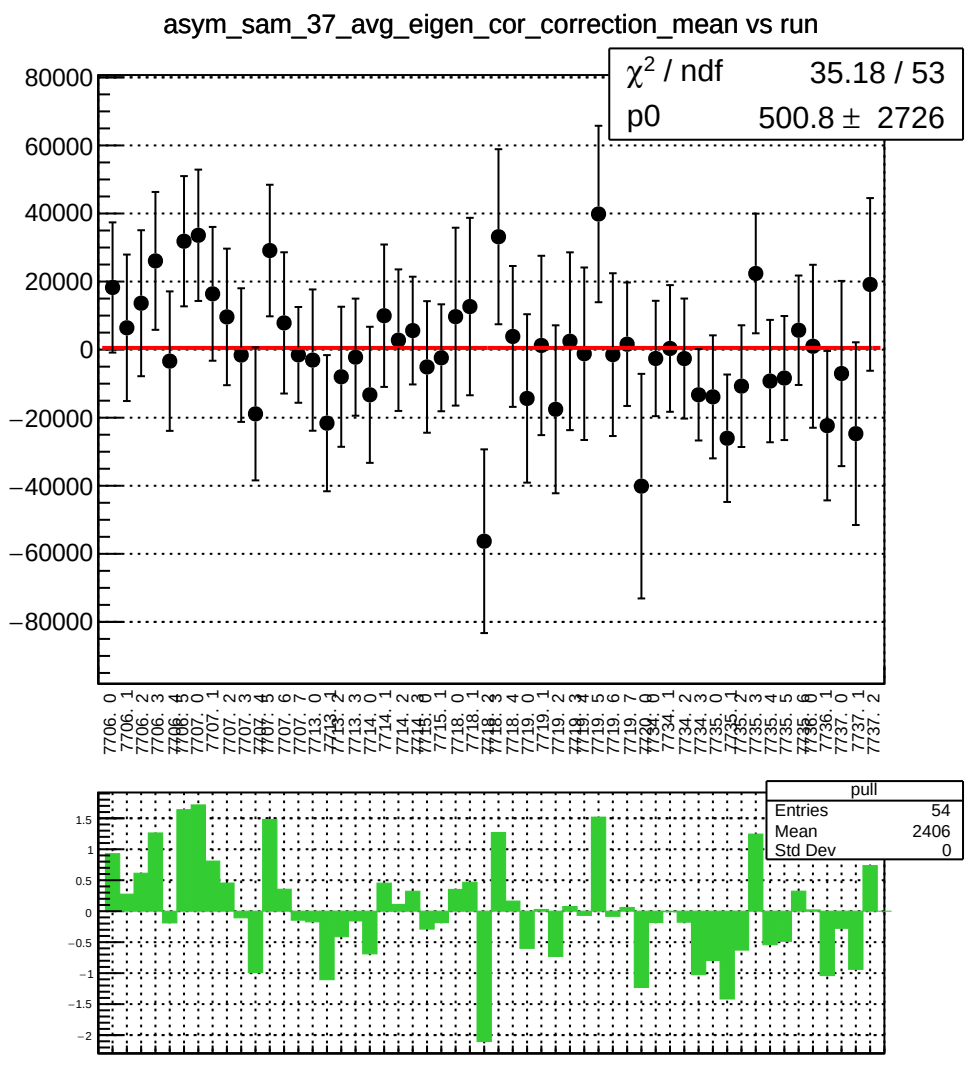

pull1D
Entries 54
Mean −0.001945
Std Dev 0.8071

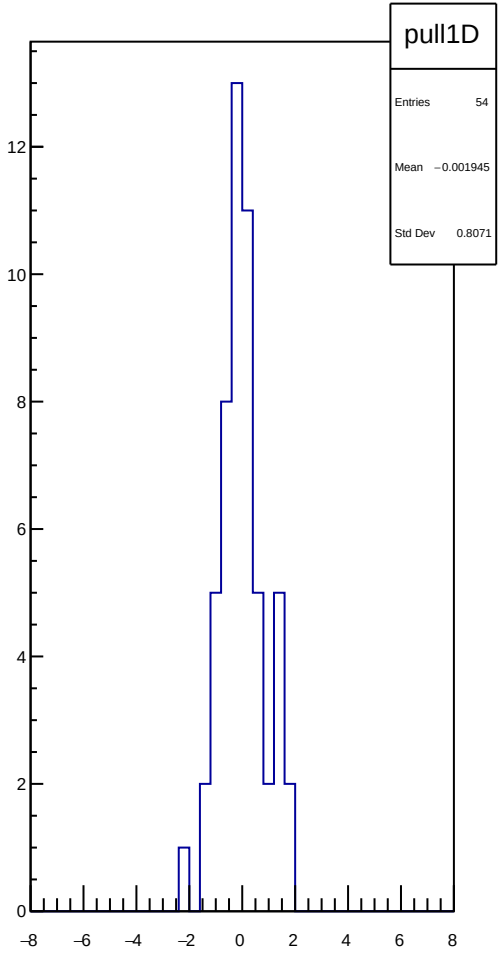

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 1.997e+04 / 53
p0 1967 ± 1.927
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

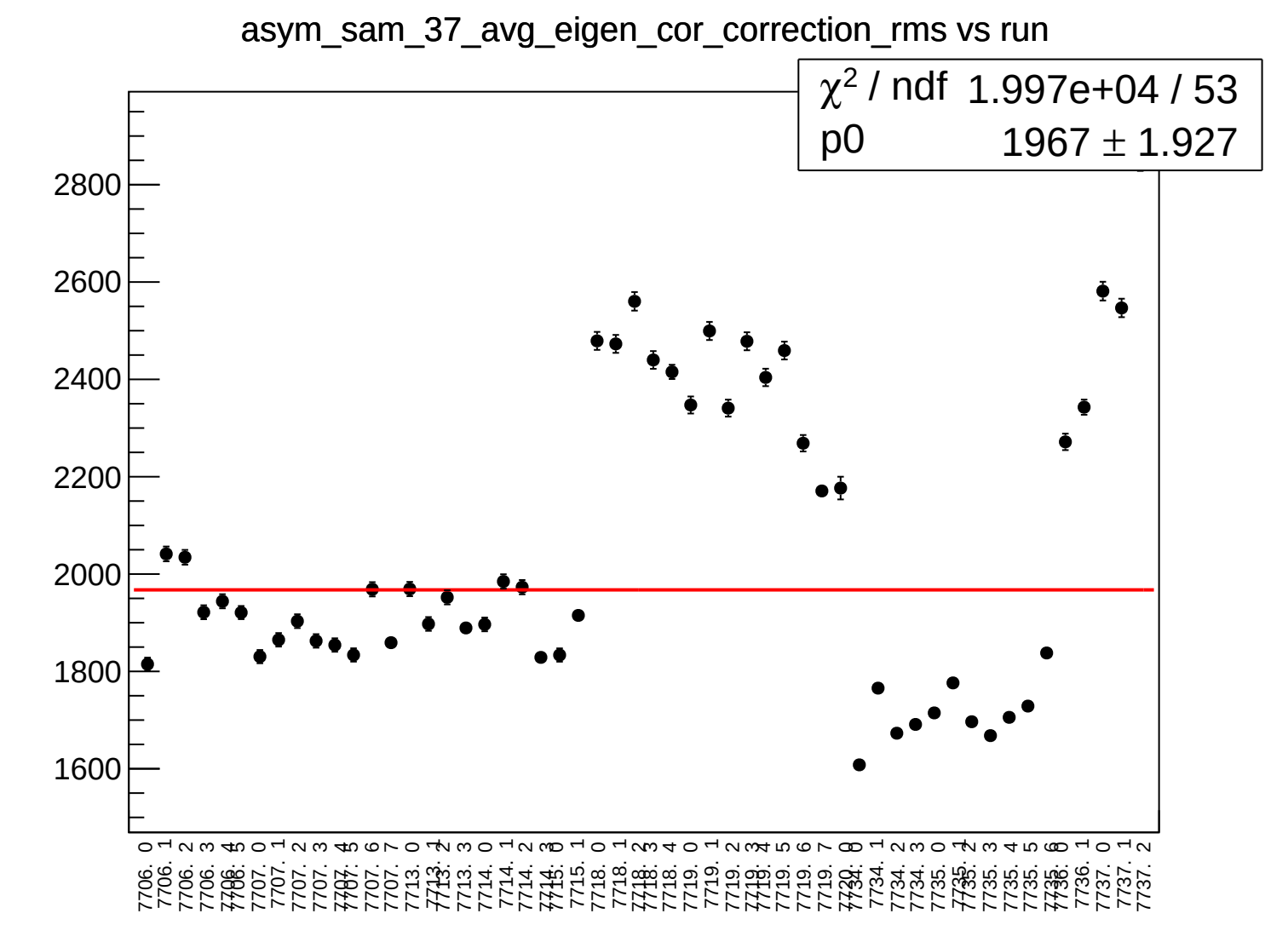

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 46.97 / 53
p0 26.05 ± 293.5
pull
Entries 54
Mean −1056
Std Dev 0

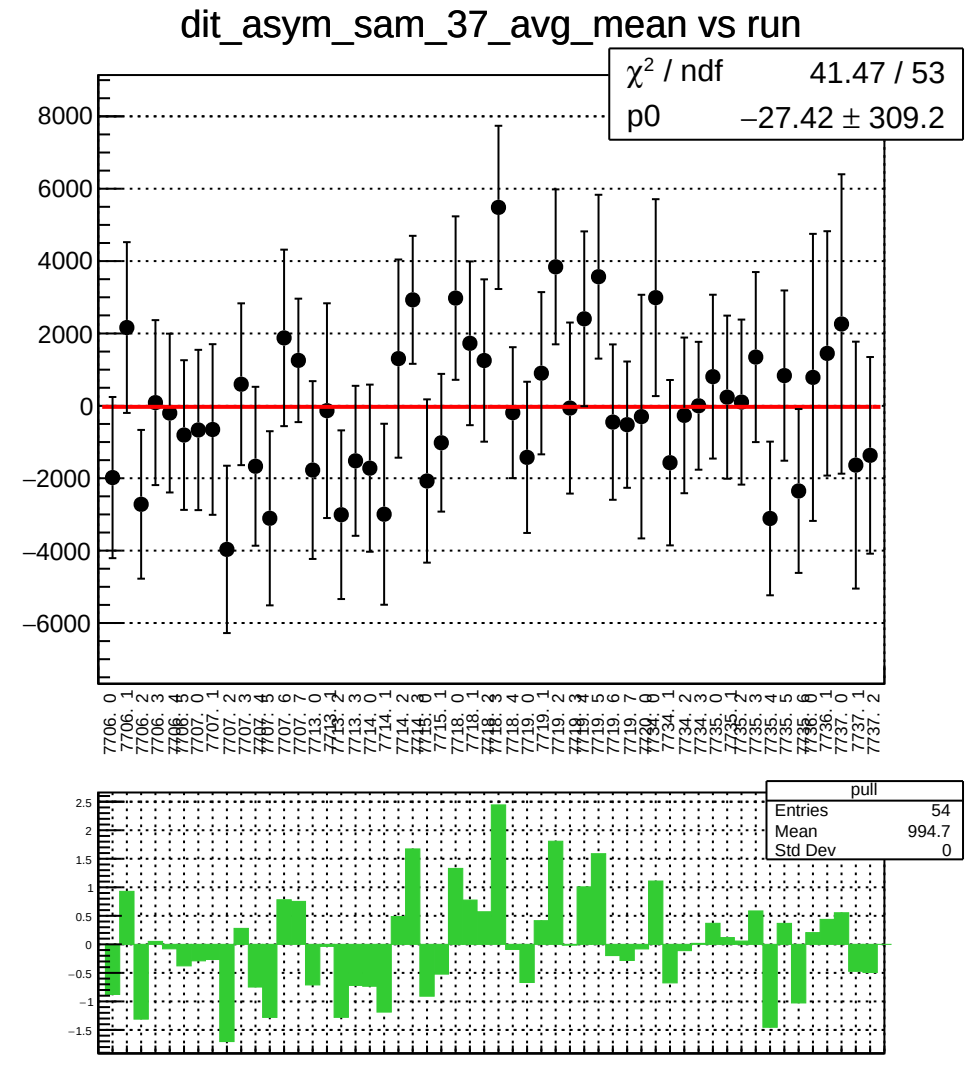

pull1D
Entries 54
Mean −0.002934
Std Dev 0.9326

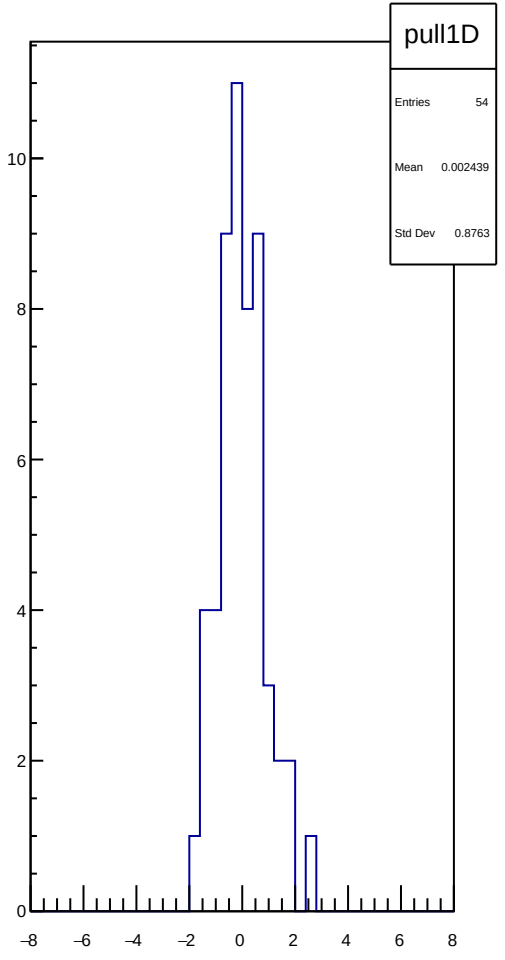

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.4e+04 / 53
p0 212.5 ± 0.2075
380
360
340
320
300
280
260
240
220
200
180

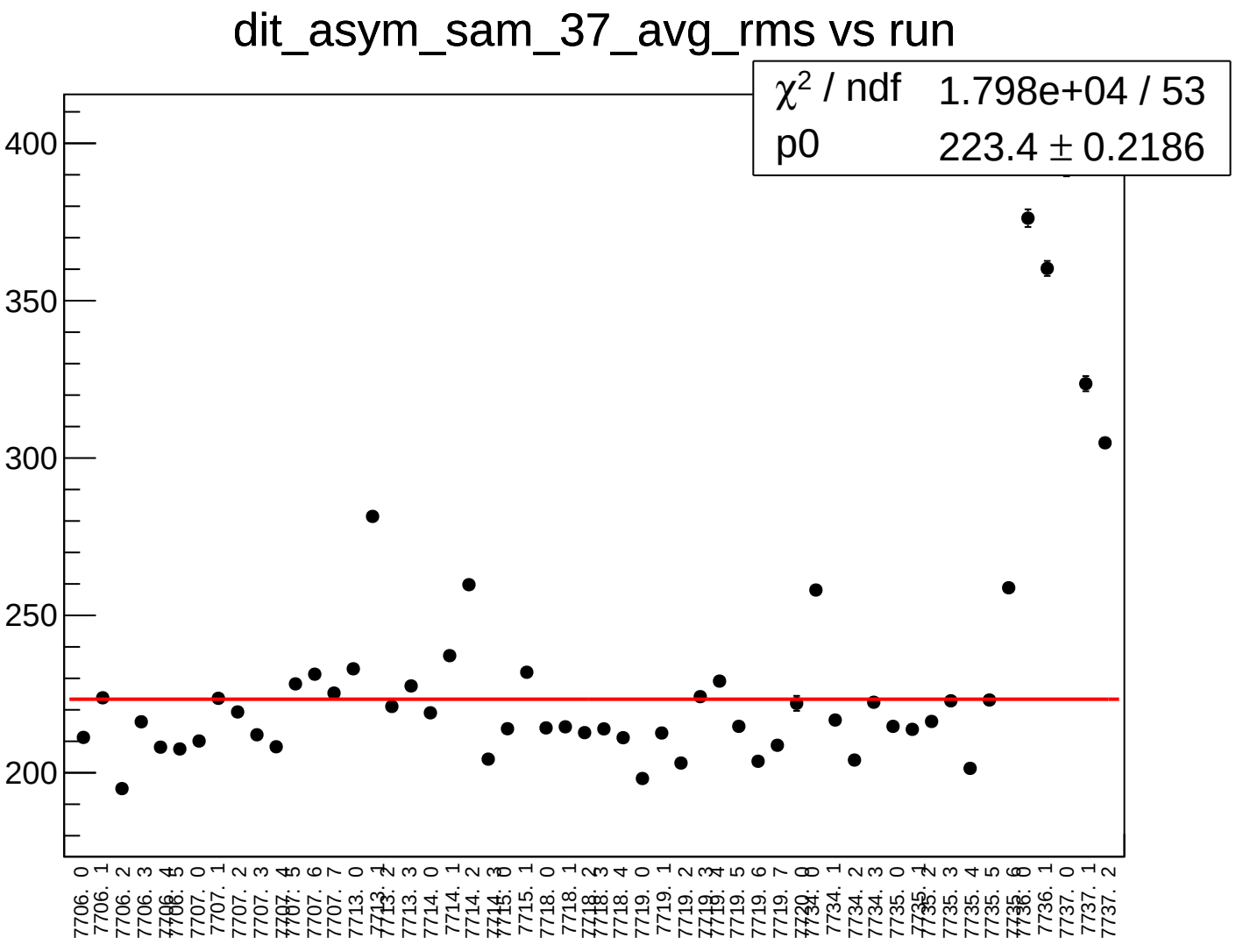

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.18 / 53
p0 500.8 ± 2726
pull
Entries 54
Mean 2406
Std Dev 0

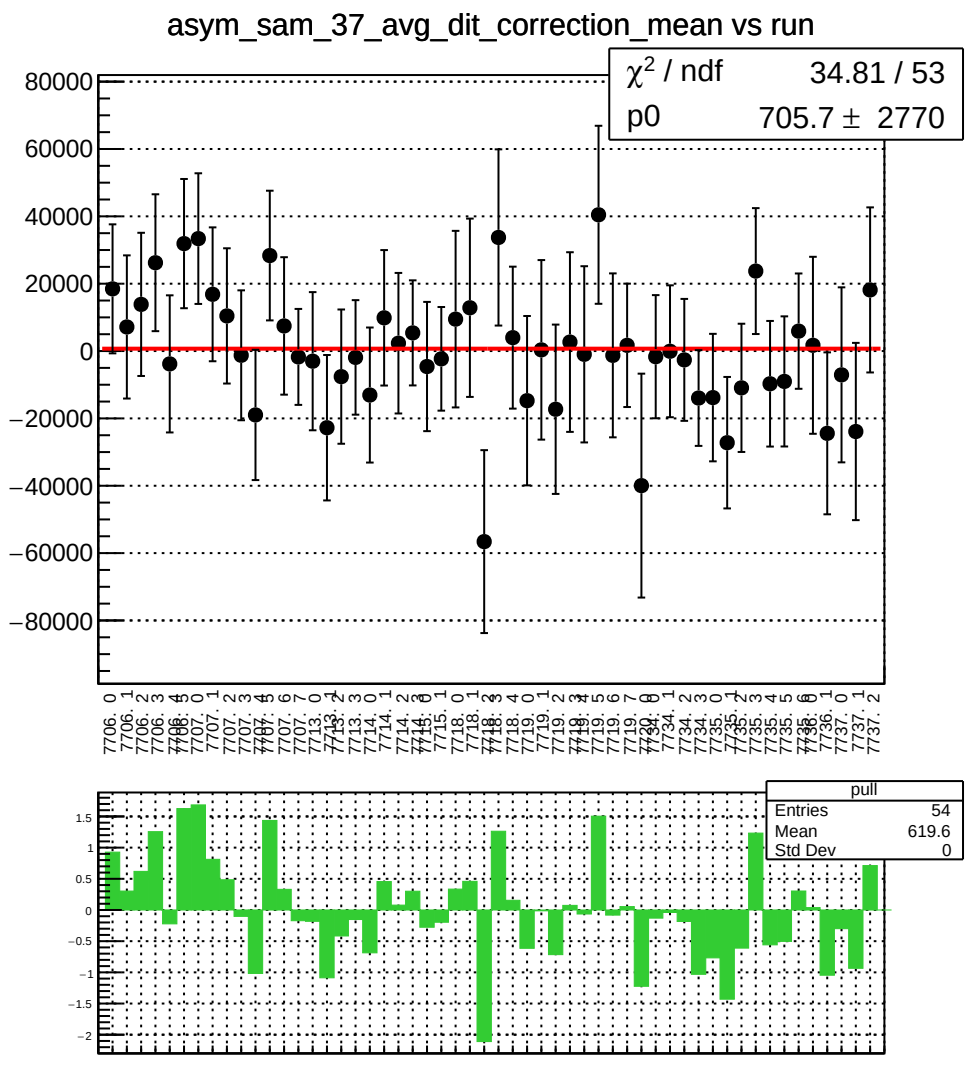

pull1D
Entries 54
Mean −0.001945
Std Dev 0.8071

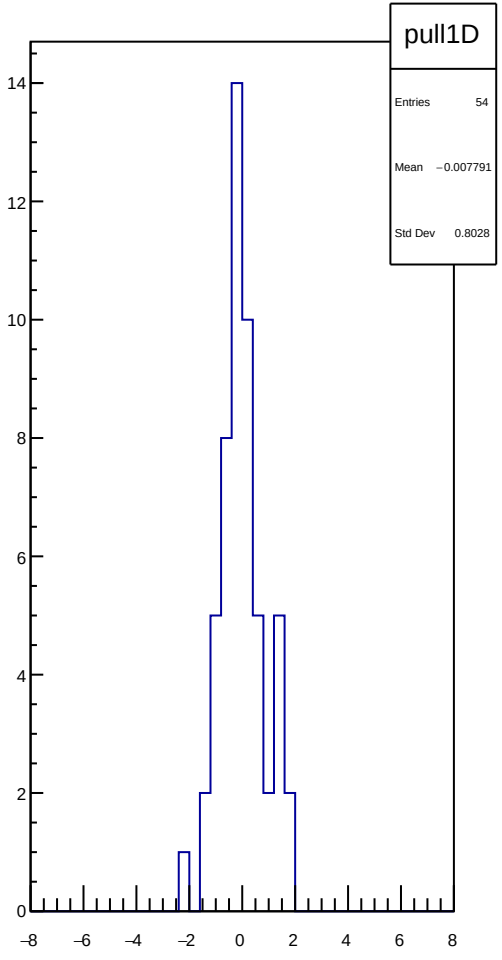

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.997e+04 / 53
p0 1967 ± 1.927
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

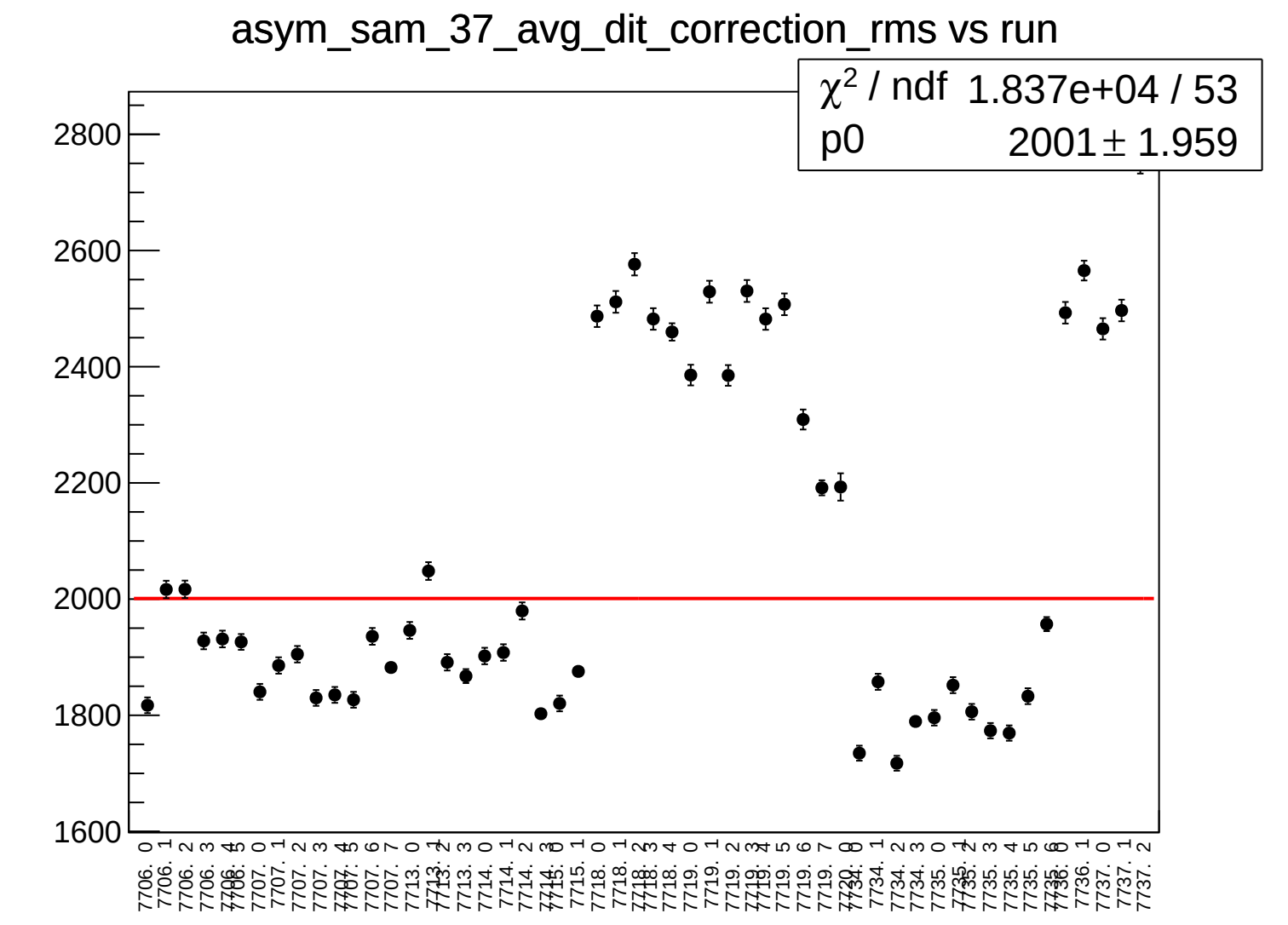

dit_asym_sam_37_avg_mean vs run
χ² / ndf 41.47 / 53
p0 −27.42 ± 309.2
pull
Entries 54
Mean 994.7
Std Dev 0

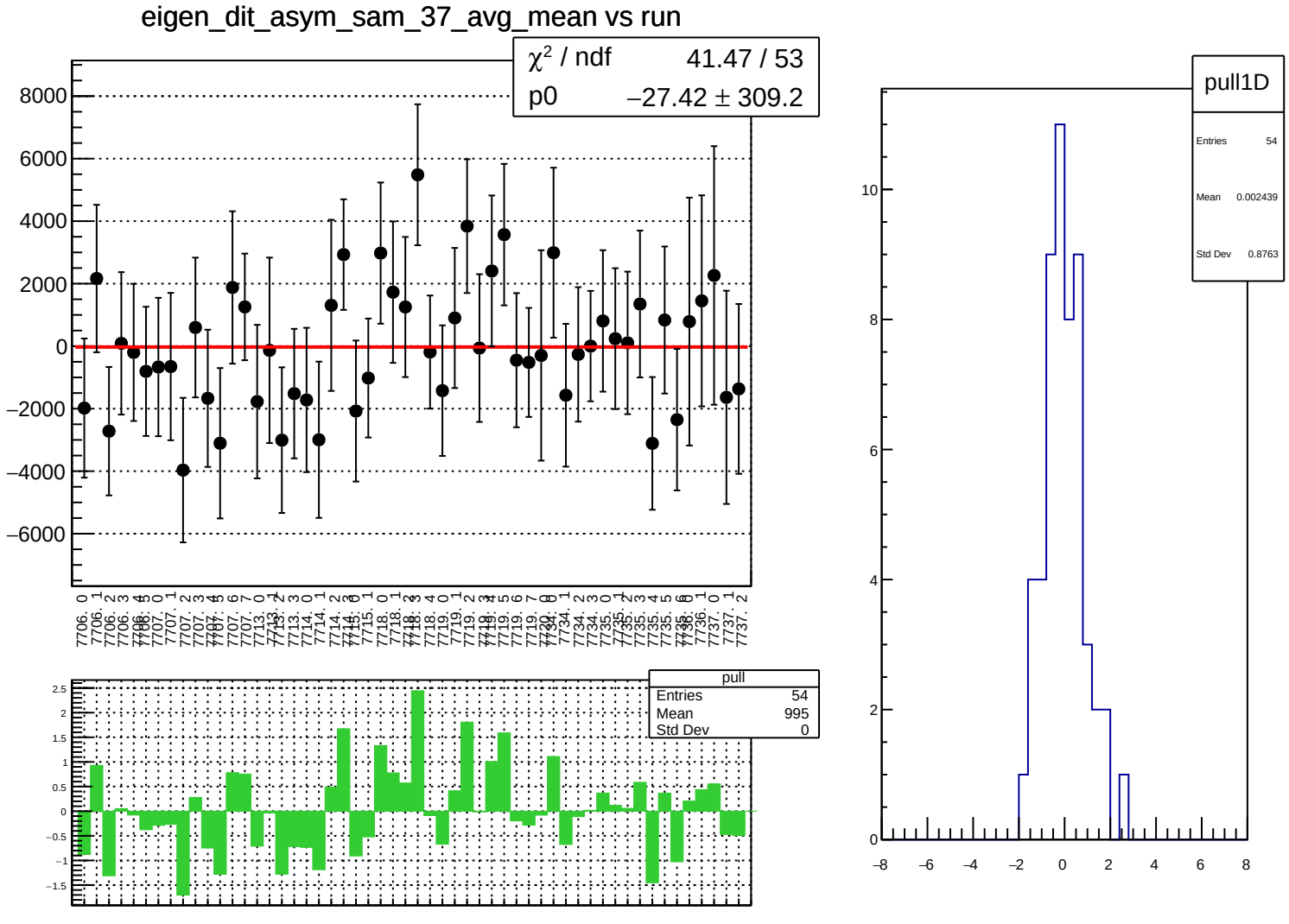

pull1D
Entries 54
Mean 0.002439
Std Dev 0.8763

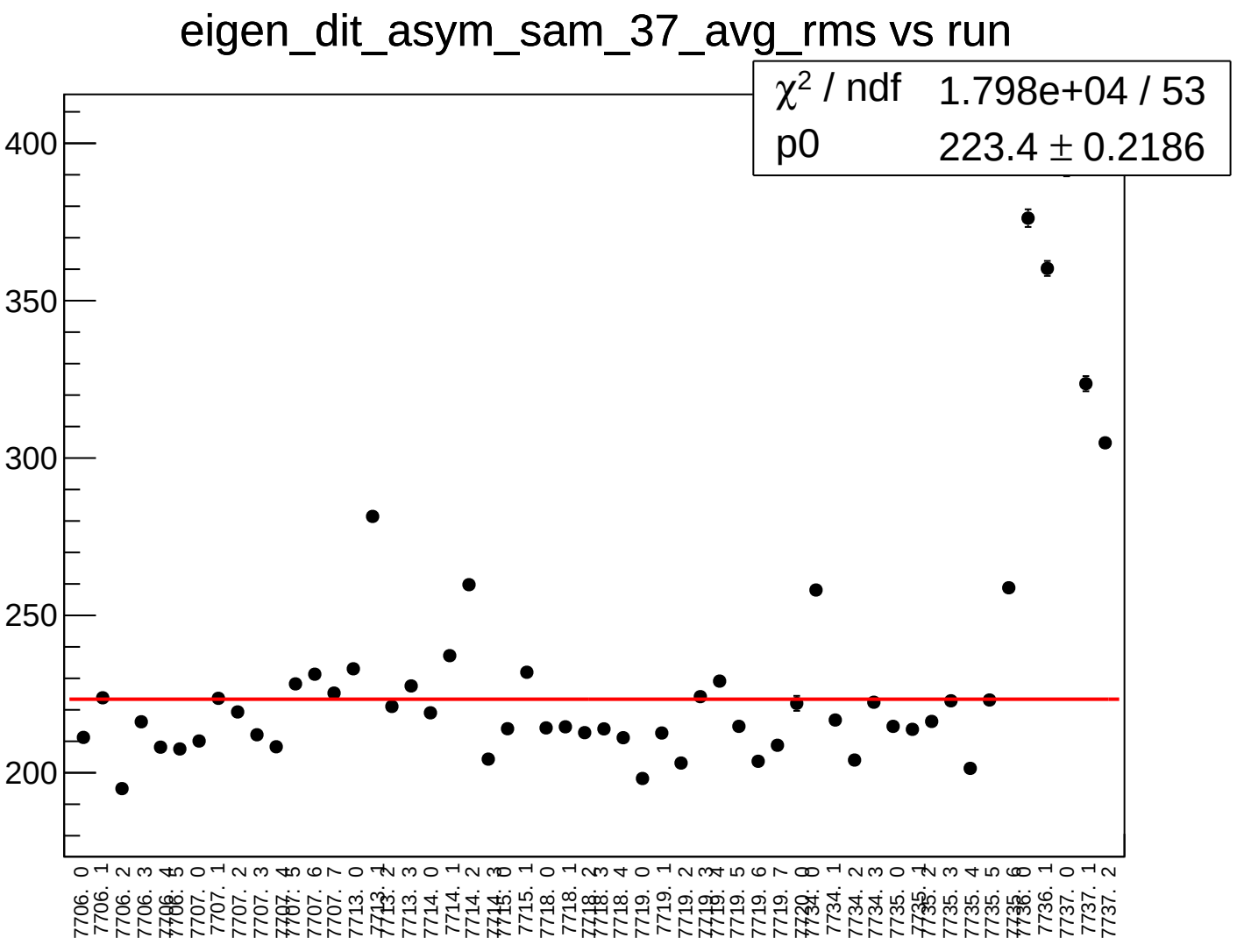

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.798e+04 / 53
p0 223.4 ± 0.2186
400
350
300
250
200

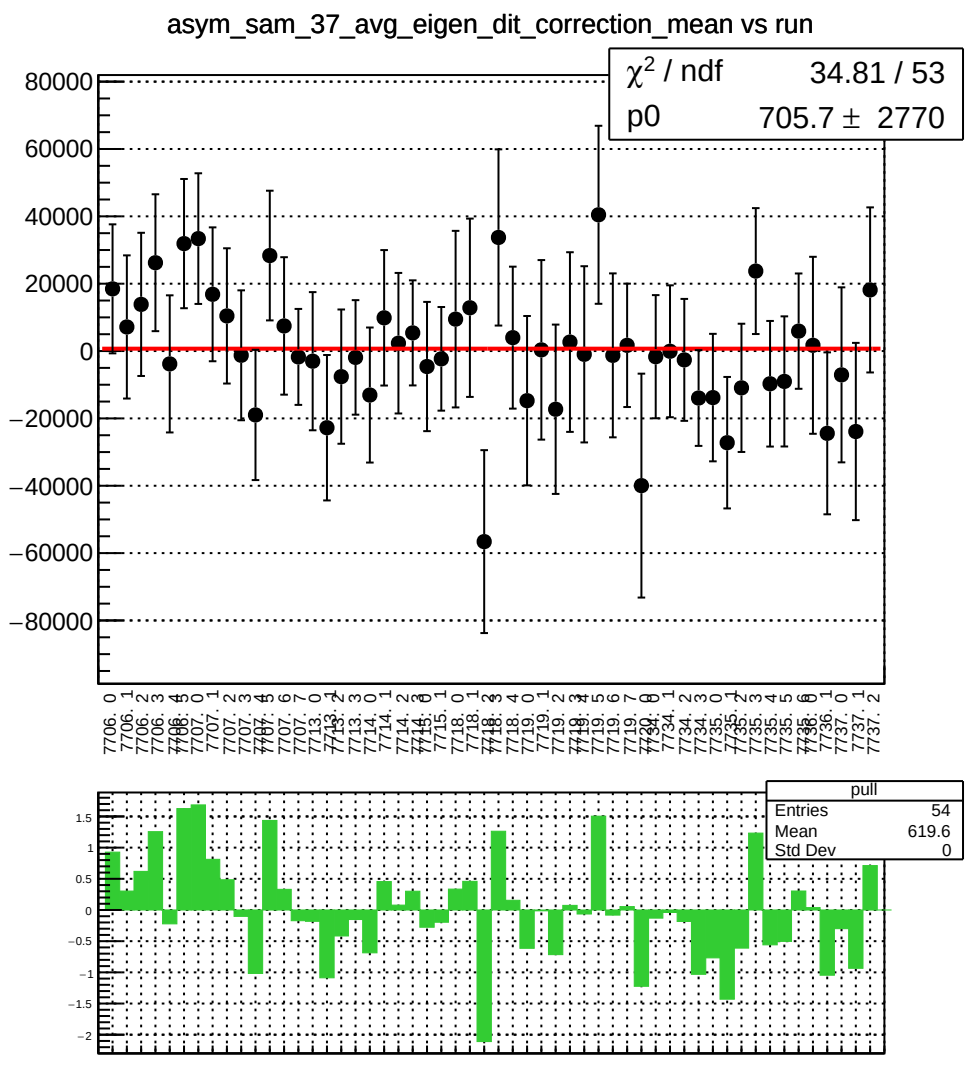

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 34.81 / 53
p0 705.7 ± 2770
pull
Entries 54
Mean 619.6
Std Dev 0

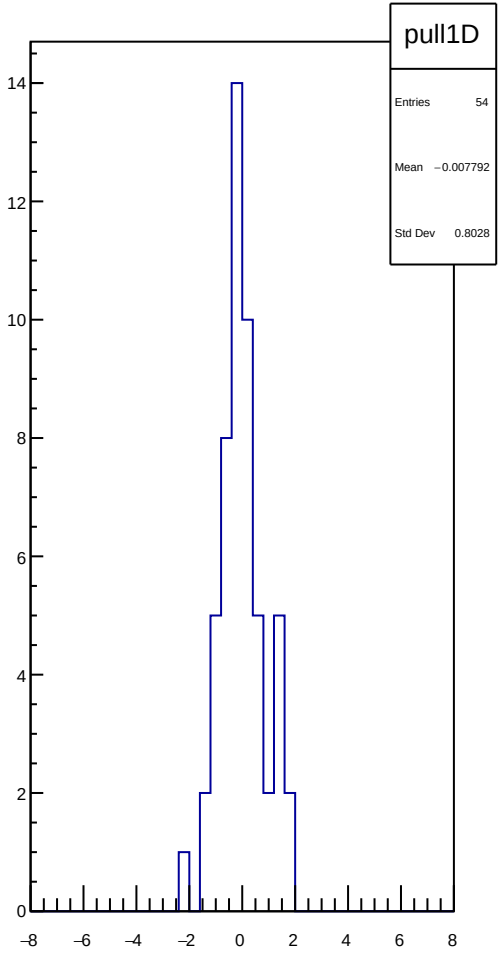

pull1D
Entries 54
Mean −0.007791
Std Dev 0.8028

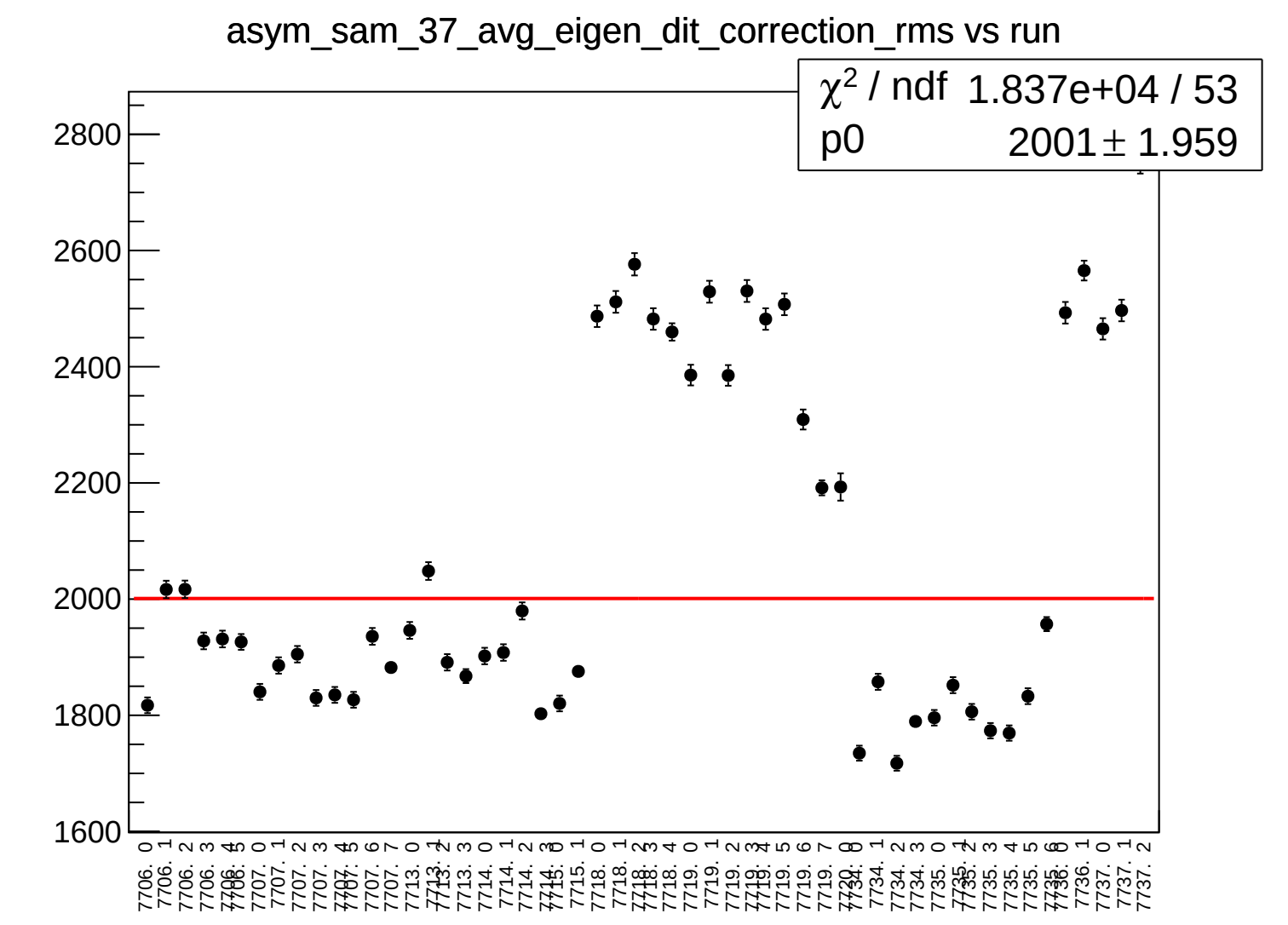

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 1.837e+04 / 53
p0 2001 ± 1.959
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

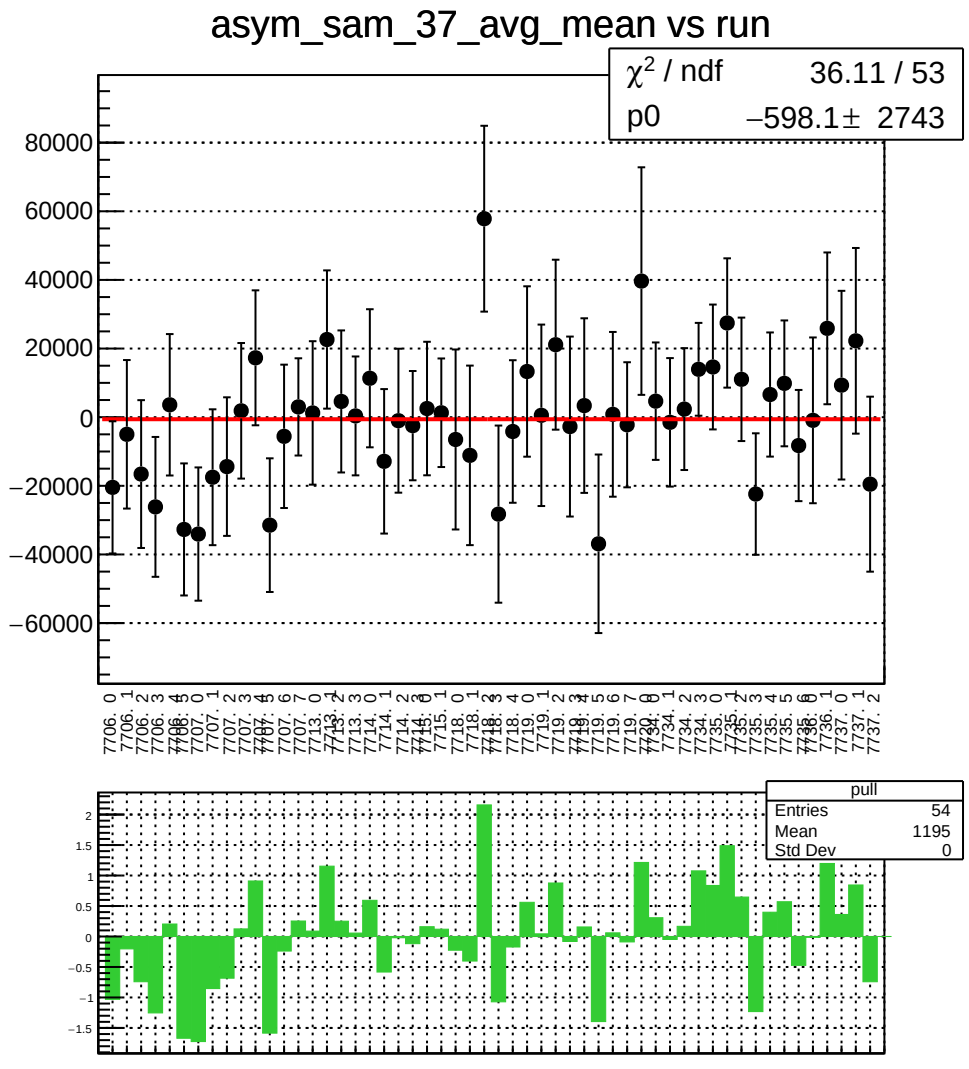

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 41.47 / 53
p0 −27.42 ± 309.2
pull
Entries 54
Mean 995
Std Dev 0
pull1D
Entries 54
Mean 0.002439
Std Dev 0.8763

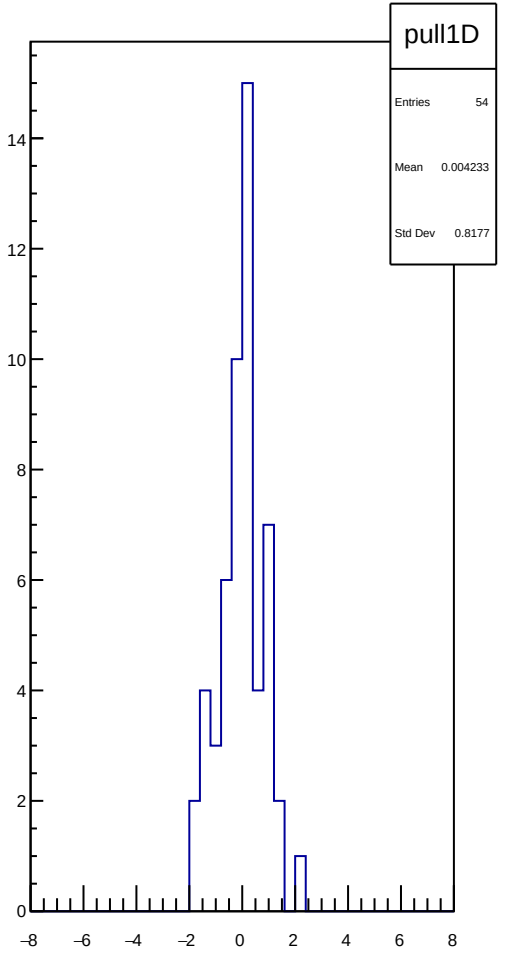

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.798e+04 / 53
p0 223.4 ± 0.2186
400
350
300
250
200

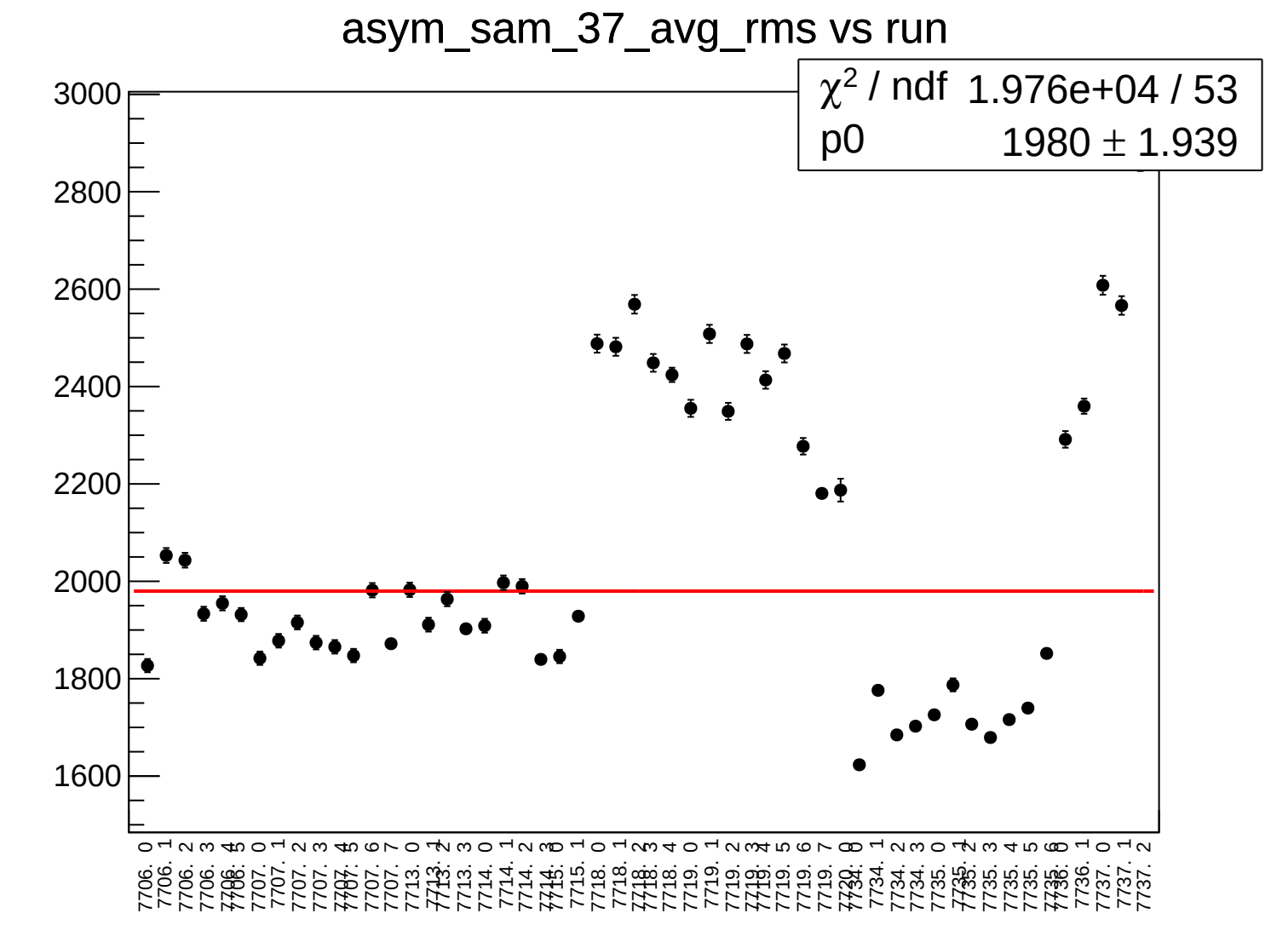

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.81 / 53
p0 705.7 ± 2770
pull
Entries 54
Mean 619.6
Std Dev 0

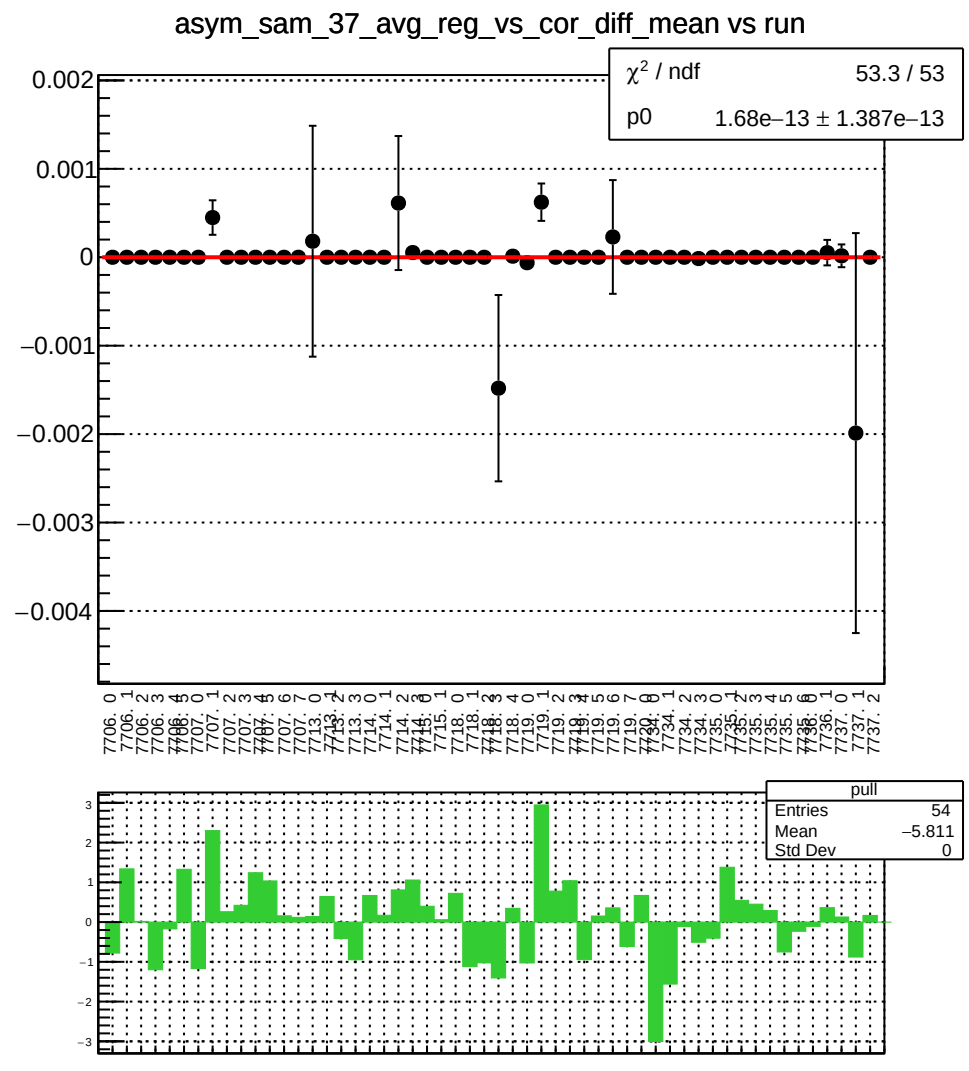

pull1D
Entries 54
Mean −0.007792
Std Dev 0.8028

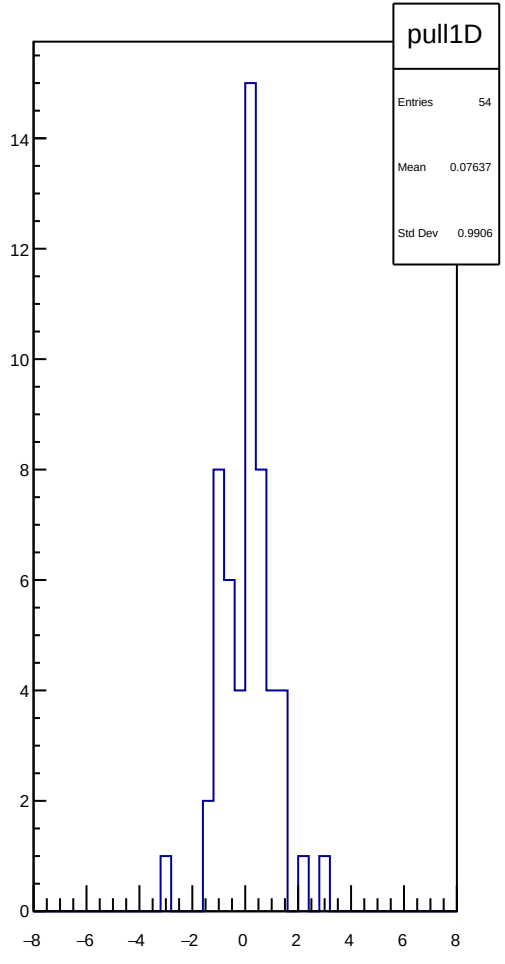

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.837e+04 / 53
p0 2001 ± 1.959
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

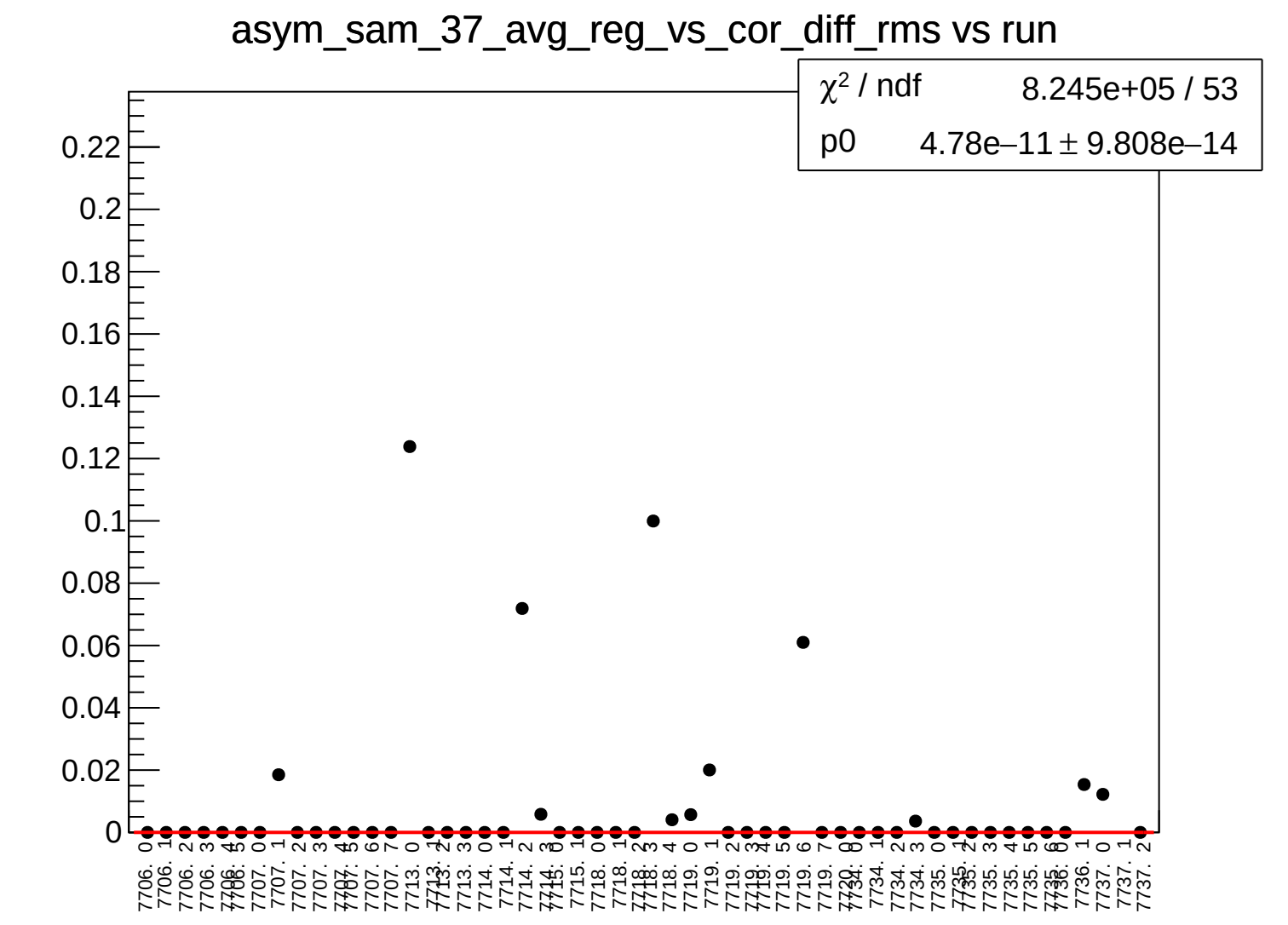

asym_sam_37_avg_mean vs run
χ² / ndf 36.11 / 53
p0 −598.1± 2743
pull
Entries 54
Mean 1195
Std Dev 0


pull1D
Entries 54
Mean 0.004233
Std Dev 0.8177

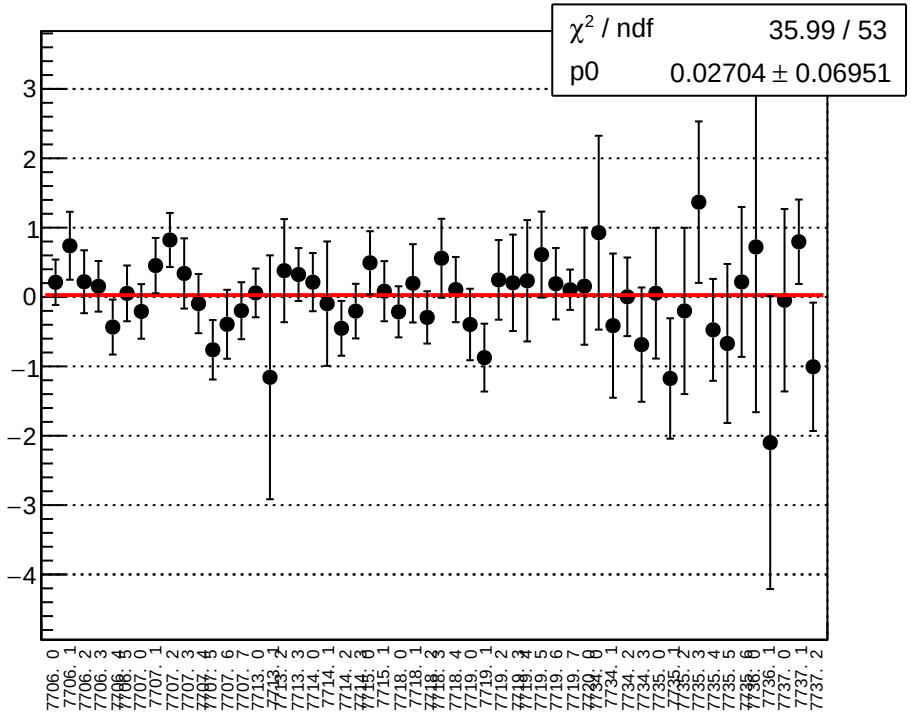

asym_sam_37_avg_rms vs run
χ² / ndf 1.976e+04 / 53
p0 1980 ± 1.939
3000
2800
2600
2400
2200
2000
1800
1600

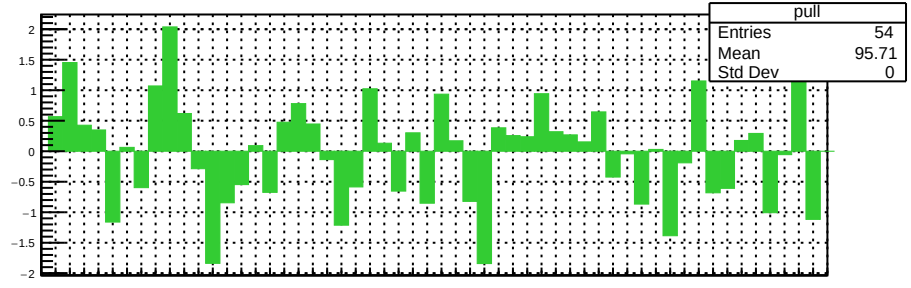

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.3 / 53
p0 1.68e−13 ± 1.387e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean −5.811
Std Dev 0
3
2
1
0
−1
−2
−3

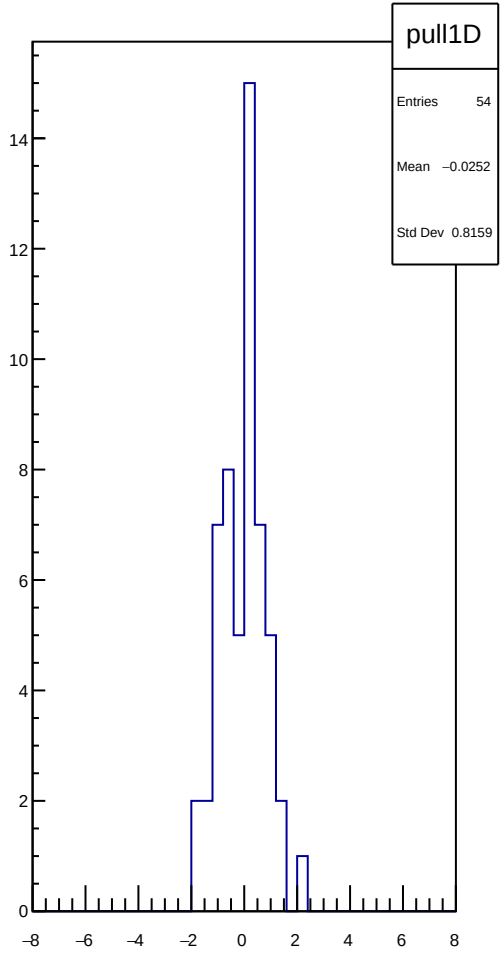

pull1D
Entries 54
Mean 0.07637
Std Dev 0.9906
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

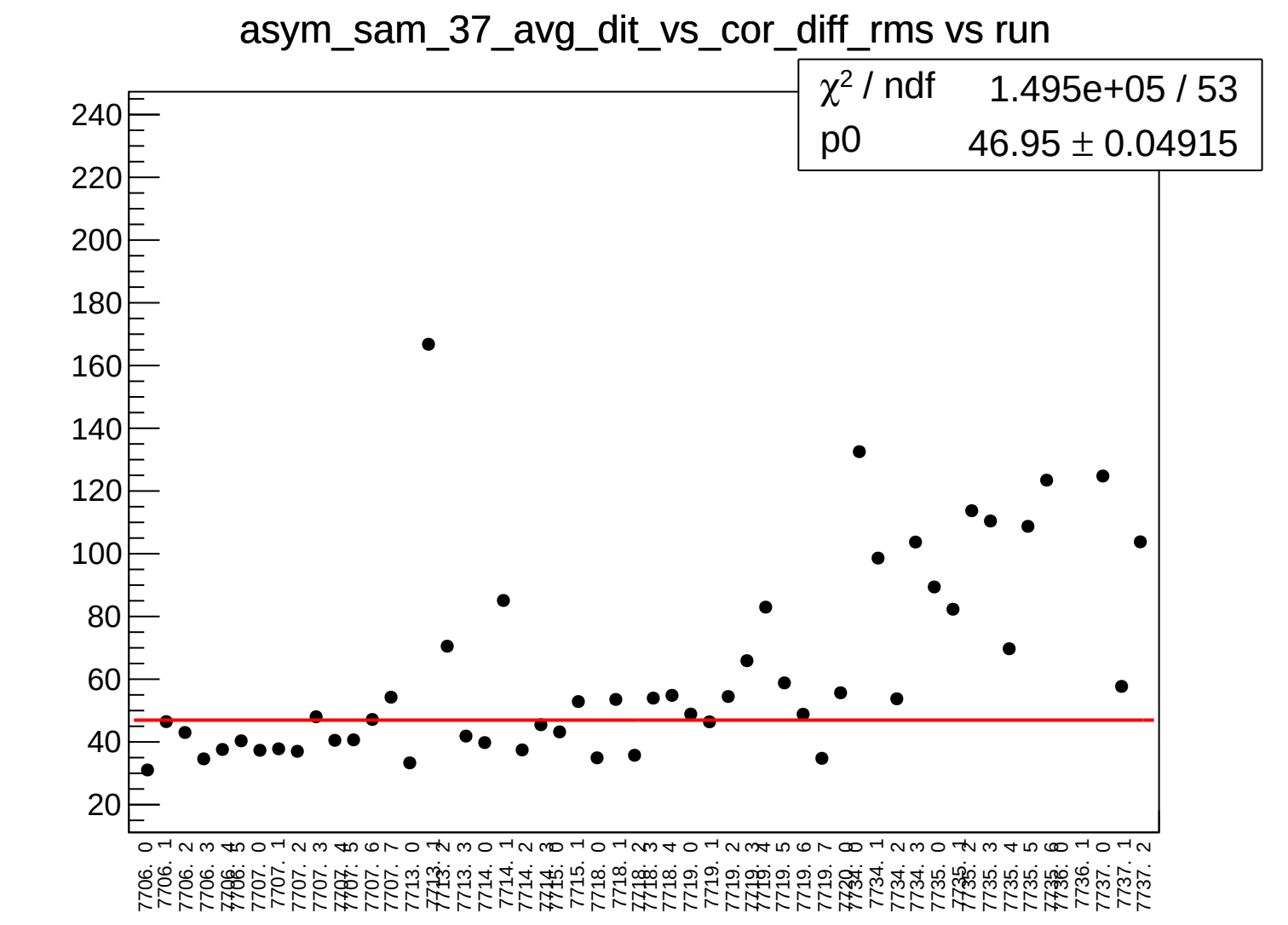

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.245e+05 / 53
p0 4.78e−11 ± 9.808e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

asym_sam_37_avg_dit_vs_cor_diff_mean vs run

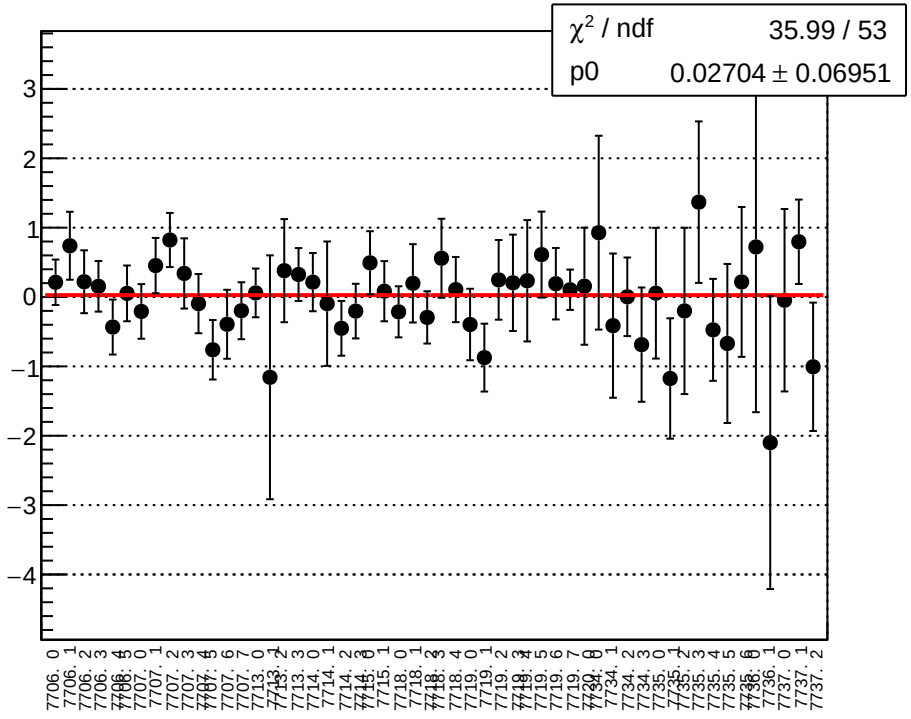


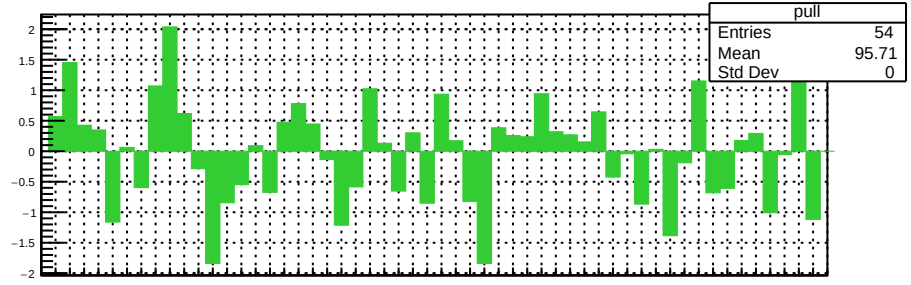


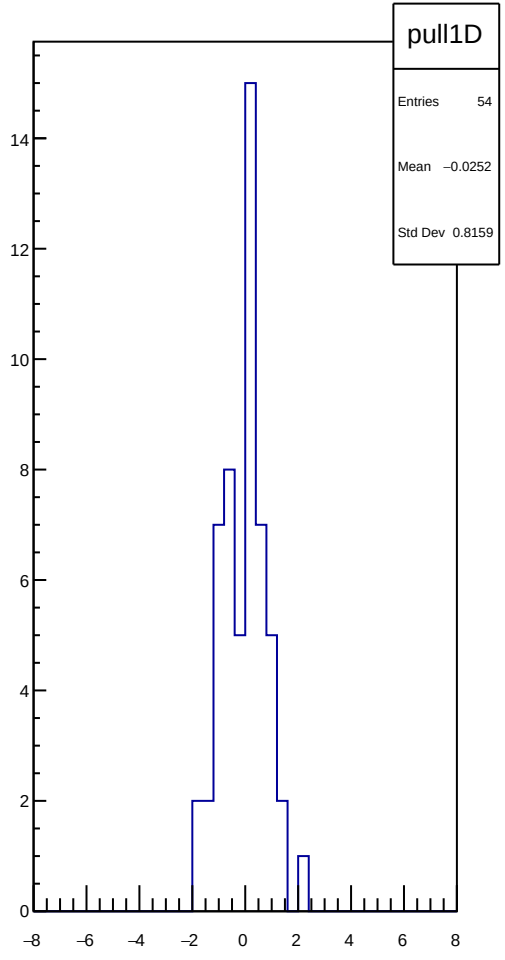


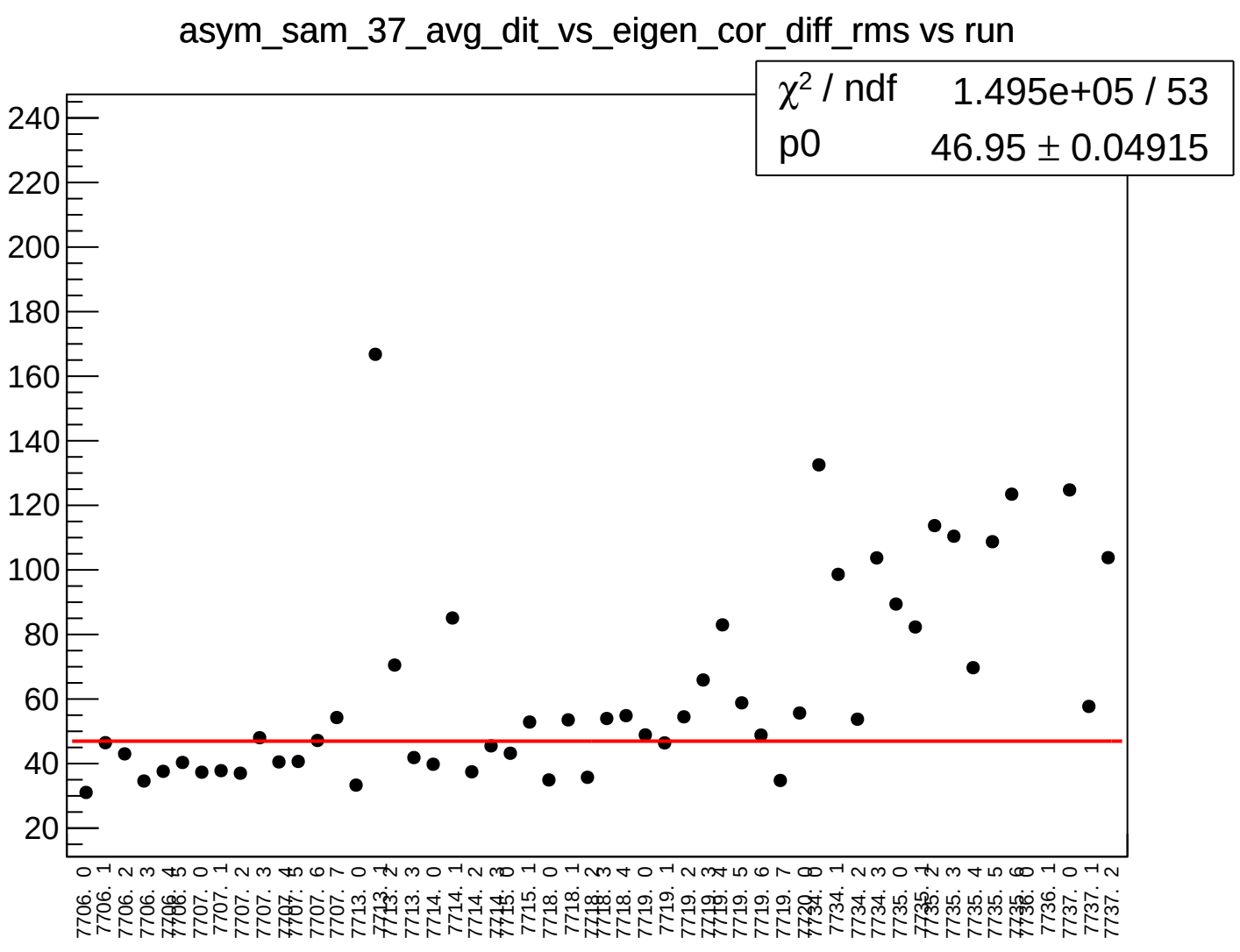

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 53
p0 46.95 ± 0.04915
240
220
200
180
160
140
120
100
80
60
40
20

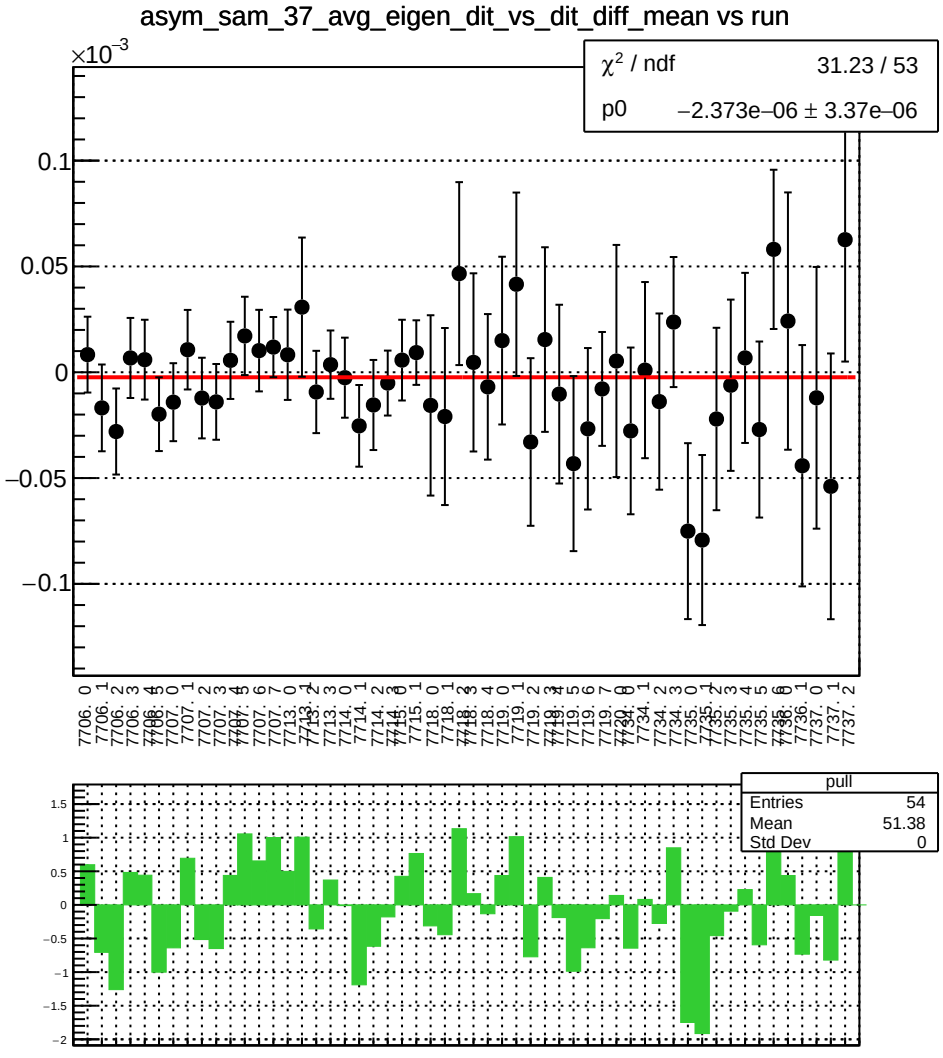
asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run

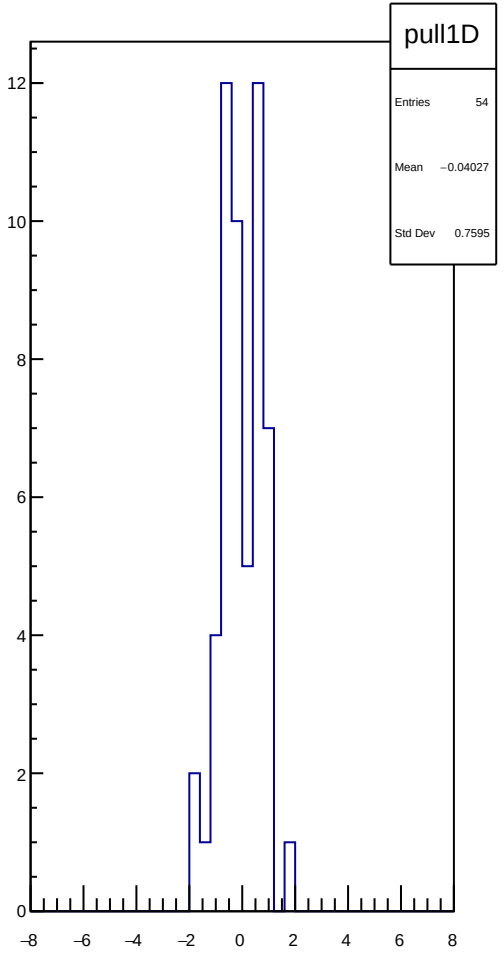


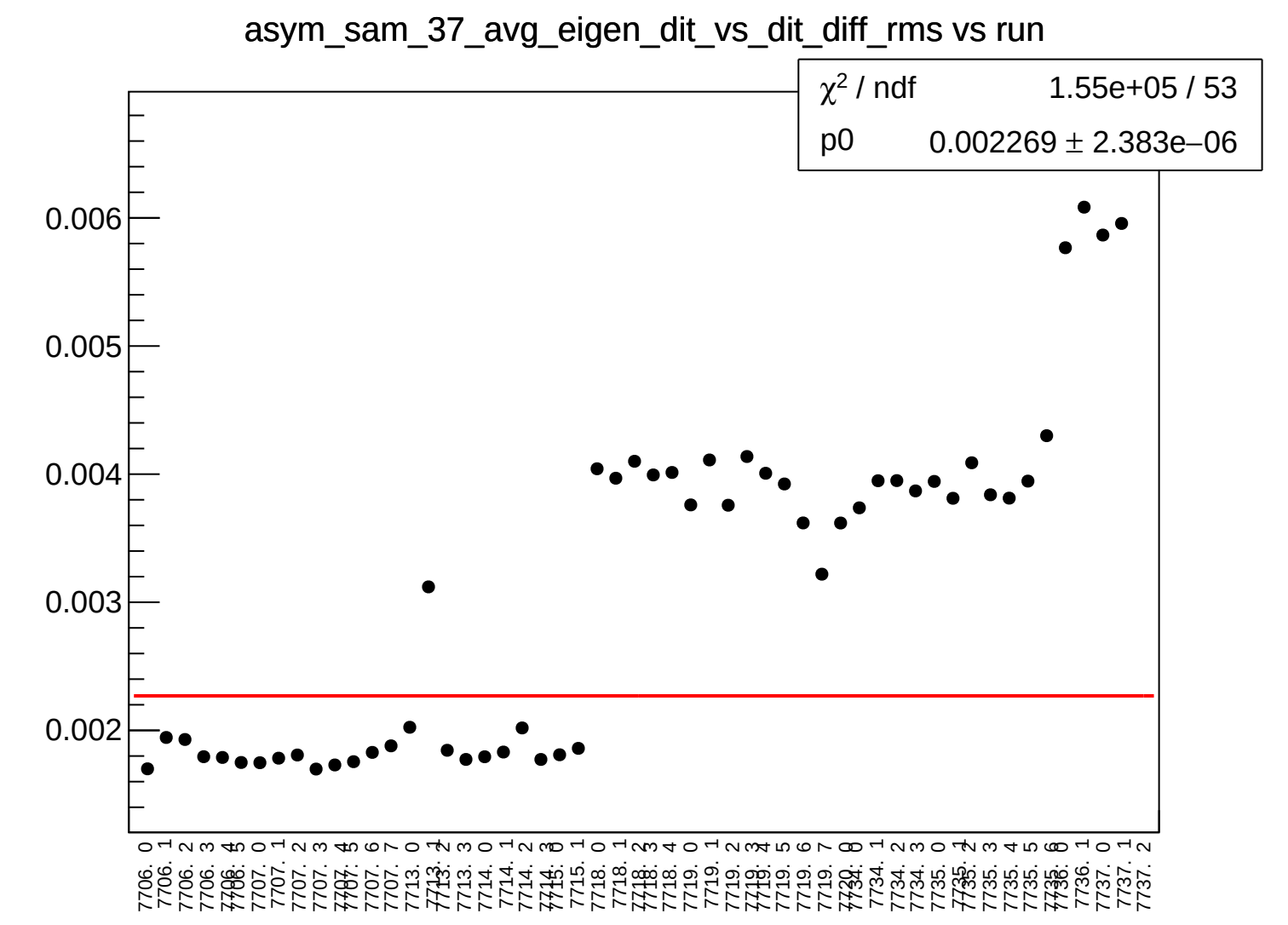




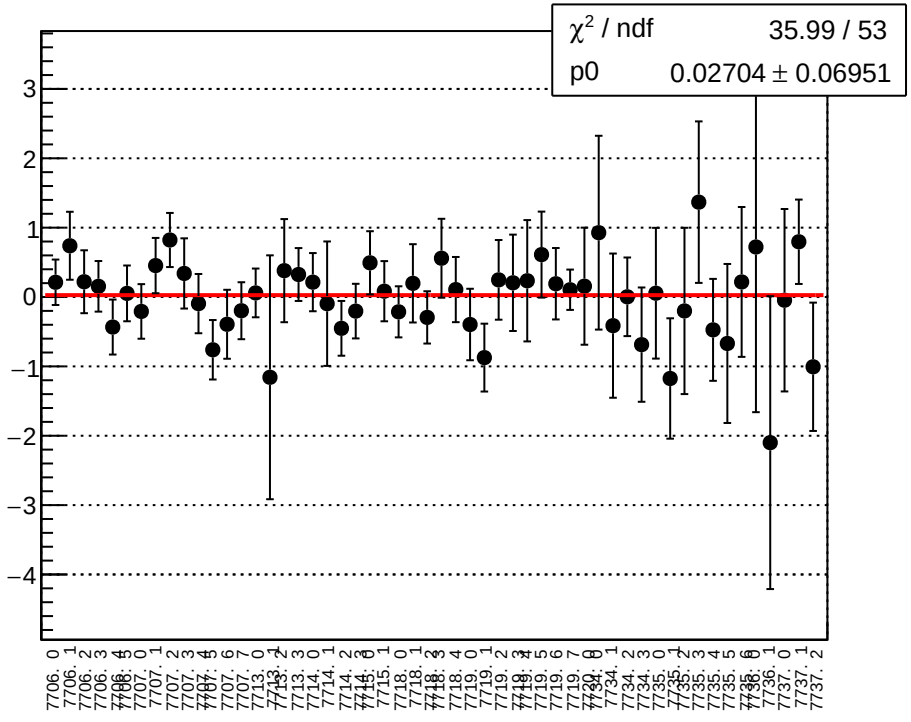

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 53
p0 46.95 ± 0.04915
240
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

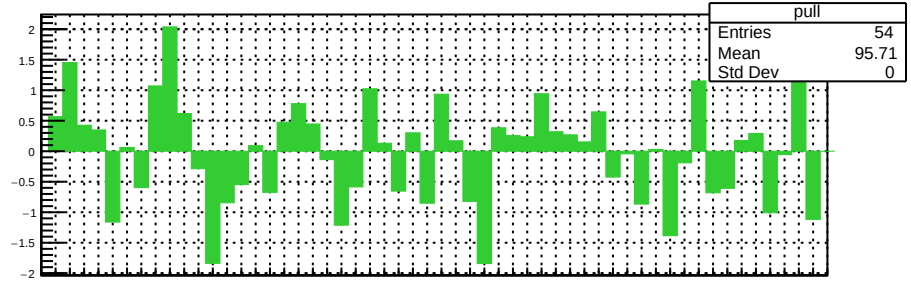

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.23 / 53
p0 −2.373e−06 ± 3.37e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 51.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

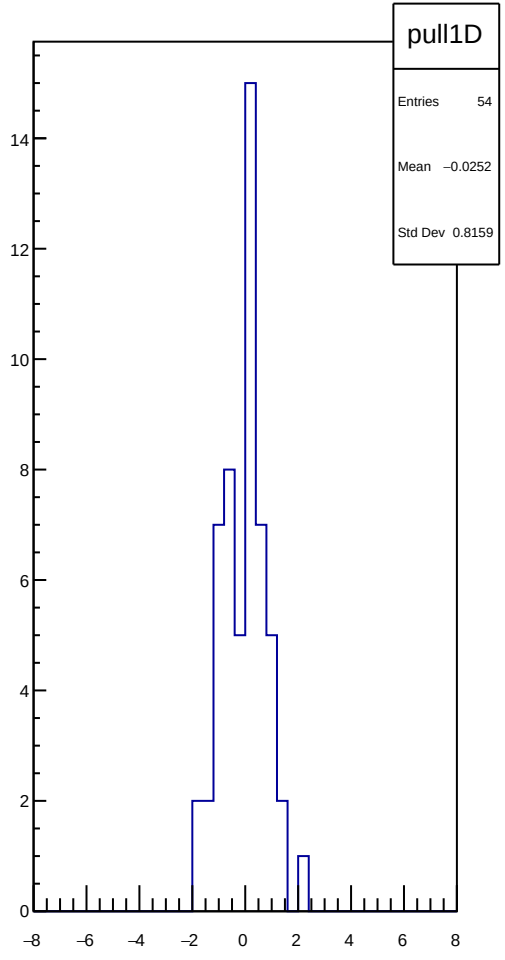

pull1D
Entries 54
Mean −0.04027
Std Dev 0.7595
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

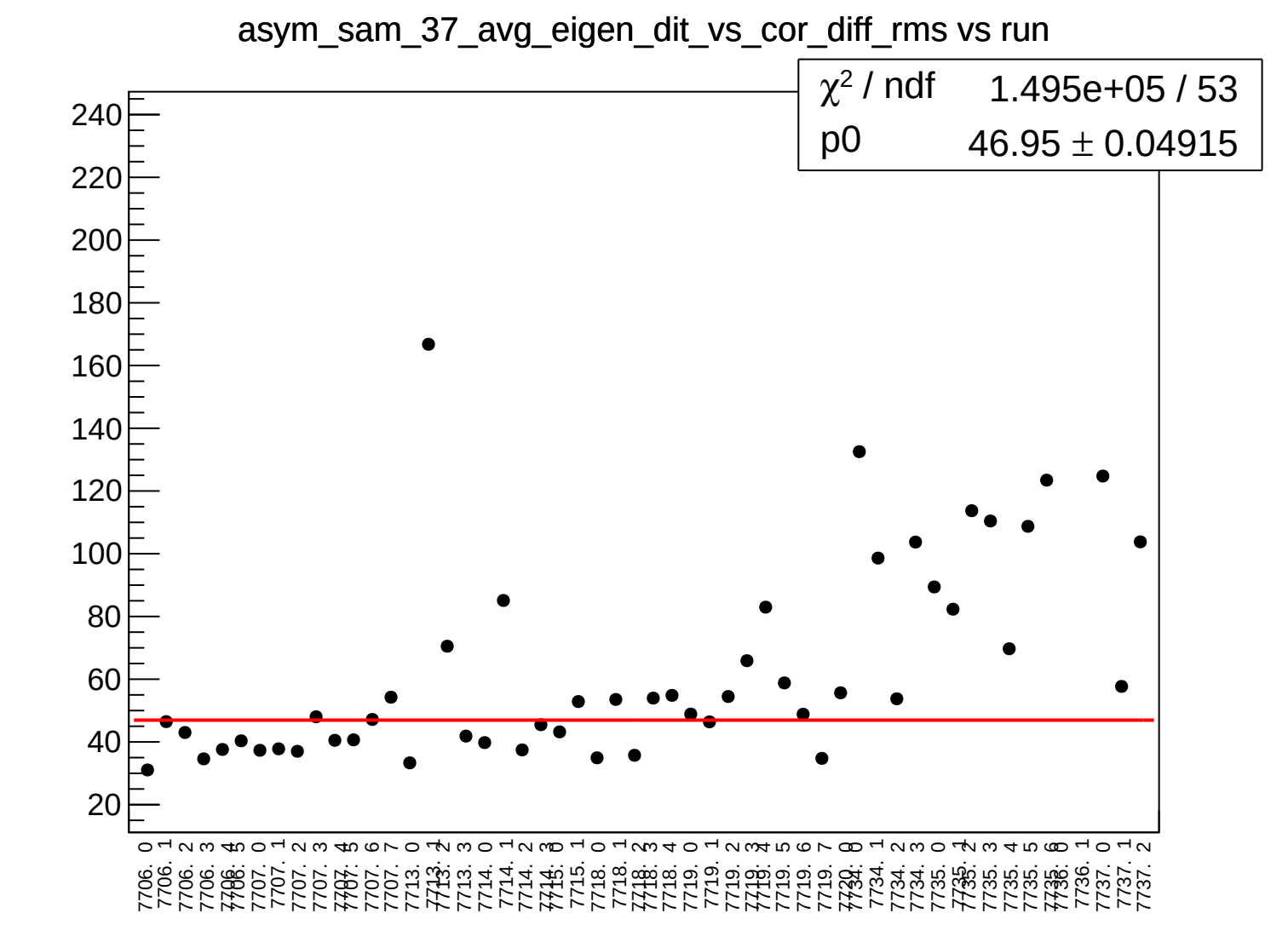

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.55e+05 / 53
p0 0.002269 ± 2.383e−06
0.006
0.005
0.004
0.003
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

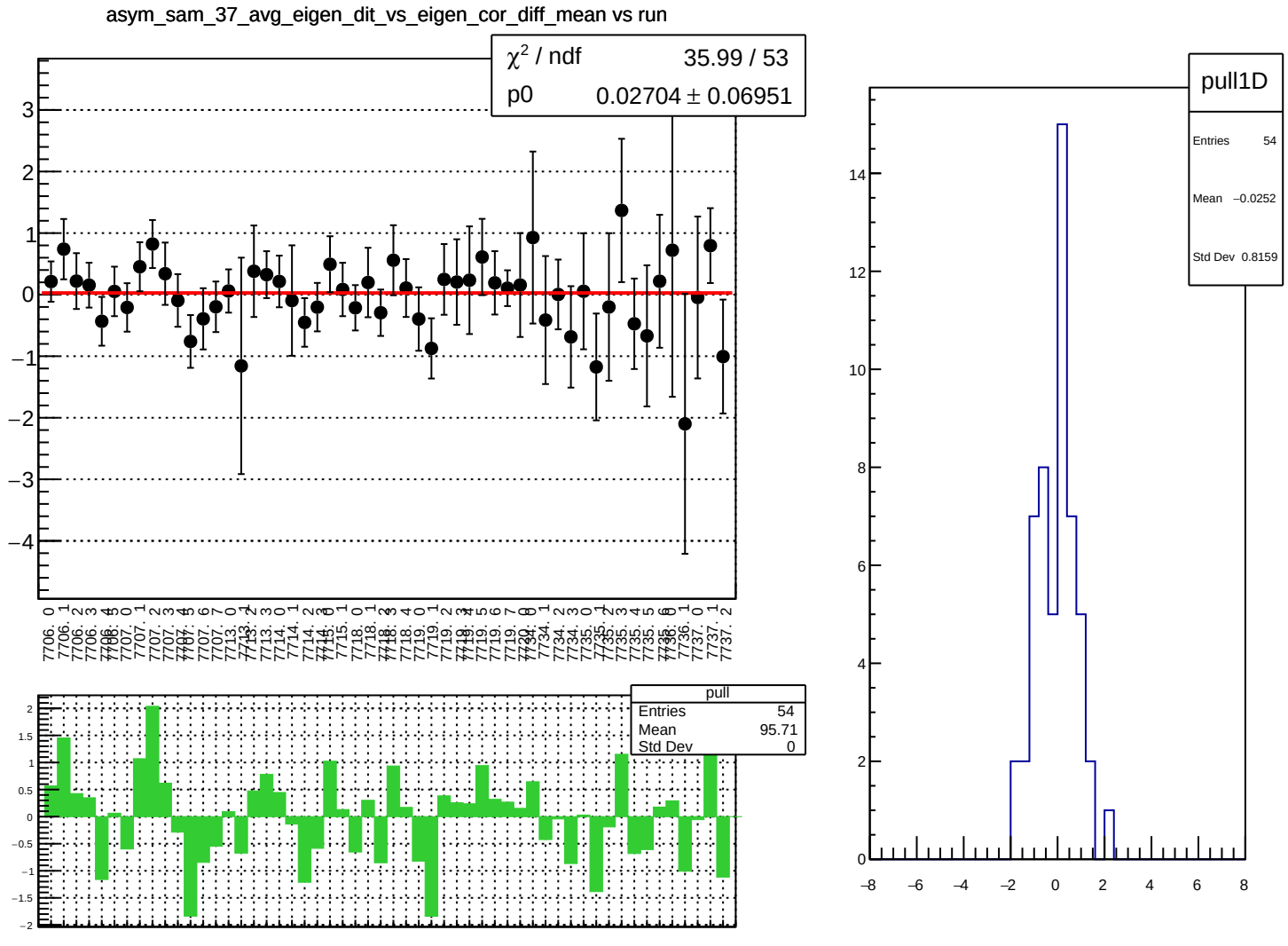
asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run

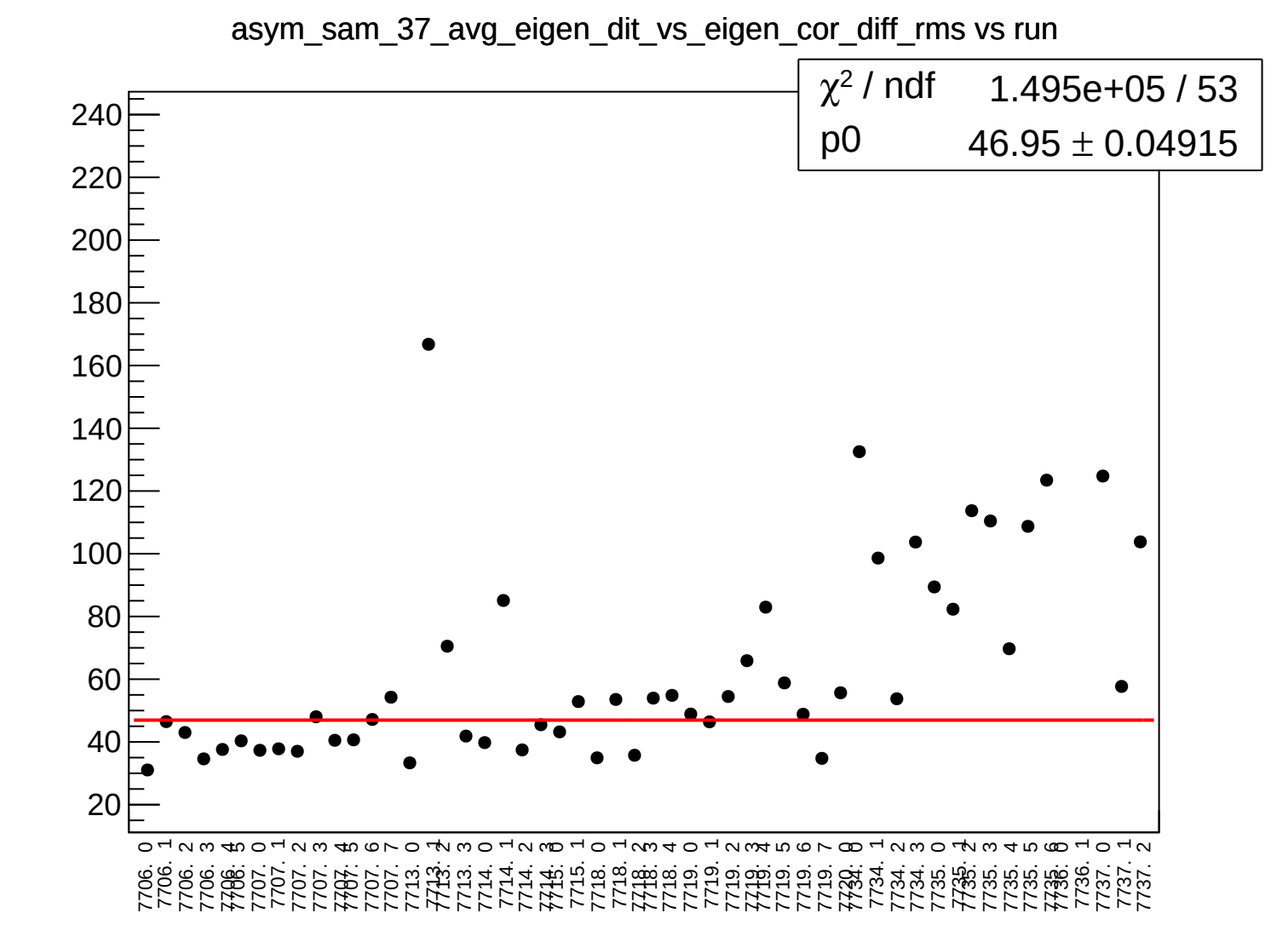


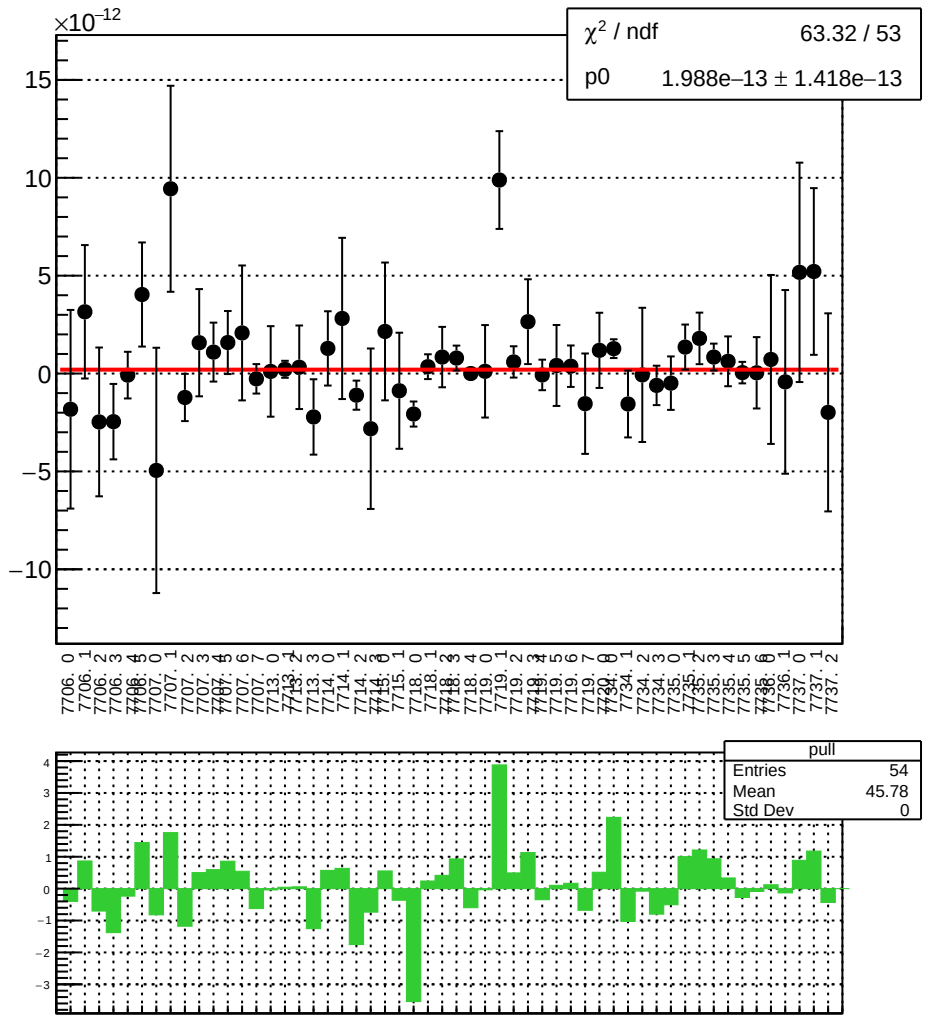


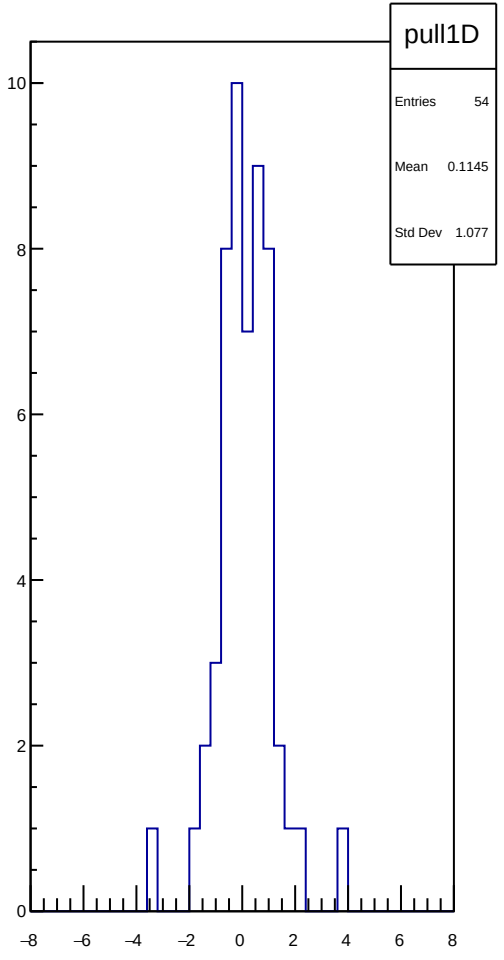


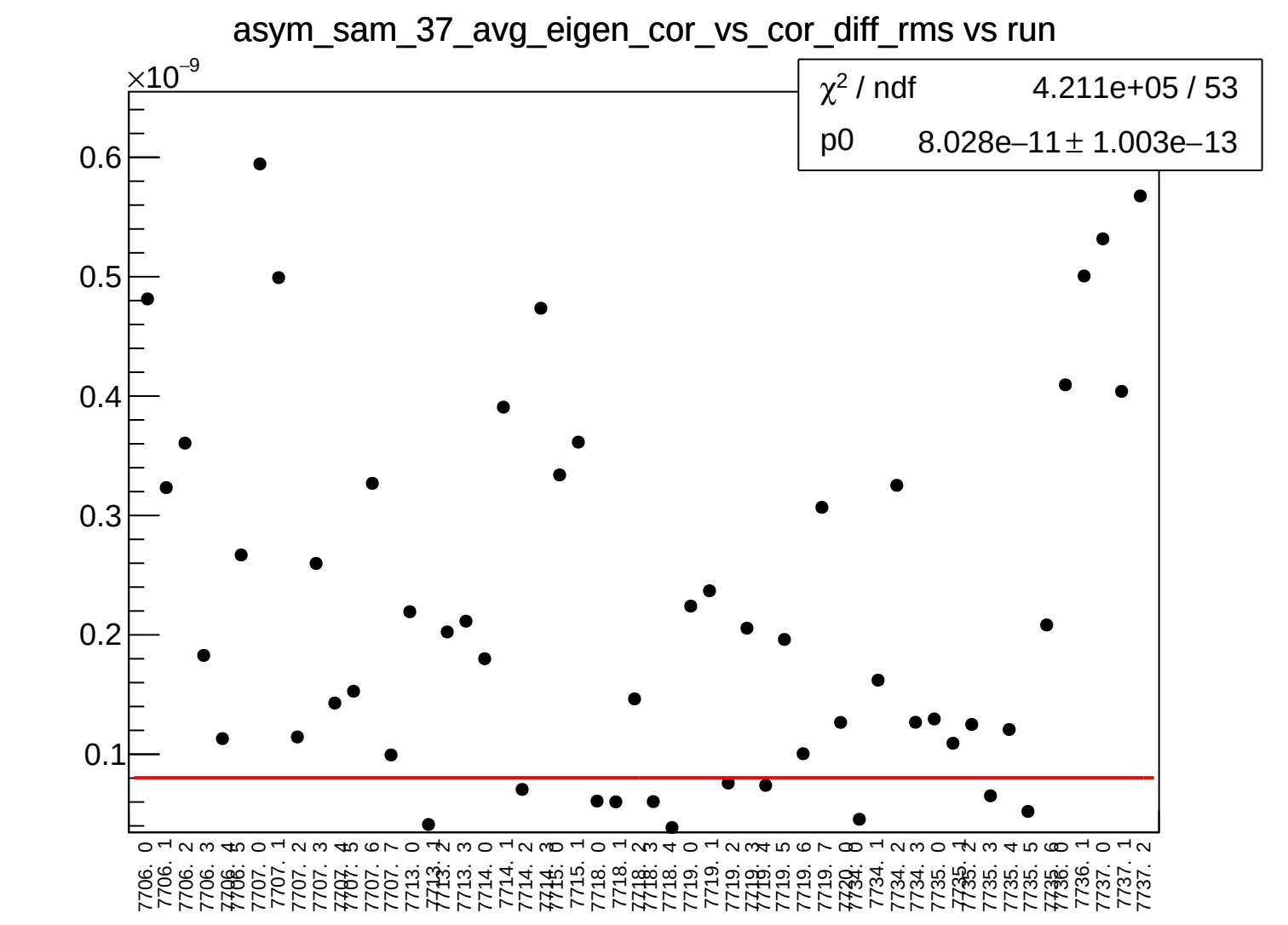

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 53
p0 46.95 ± 0.04915
240
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

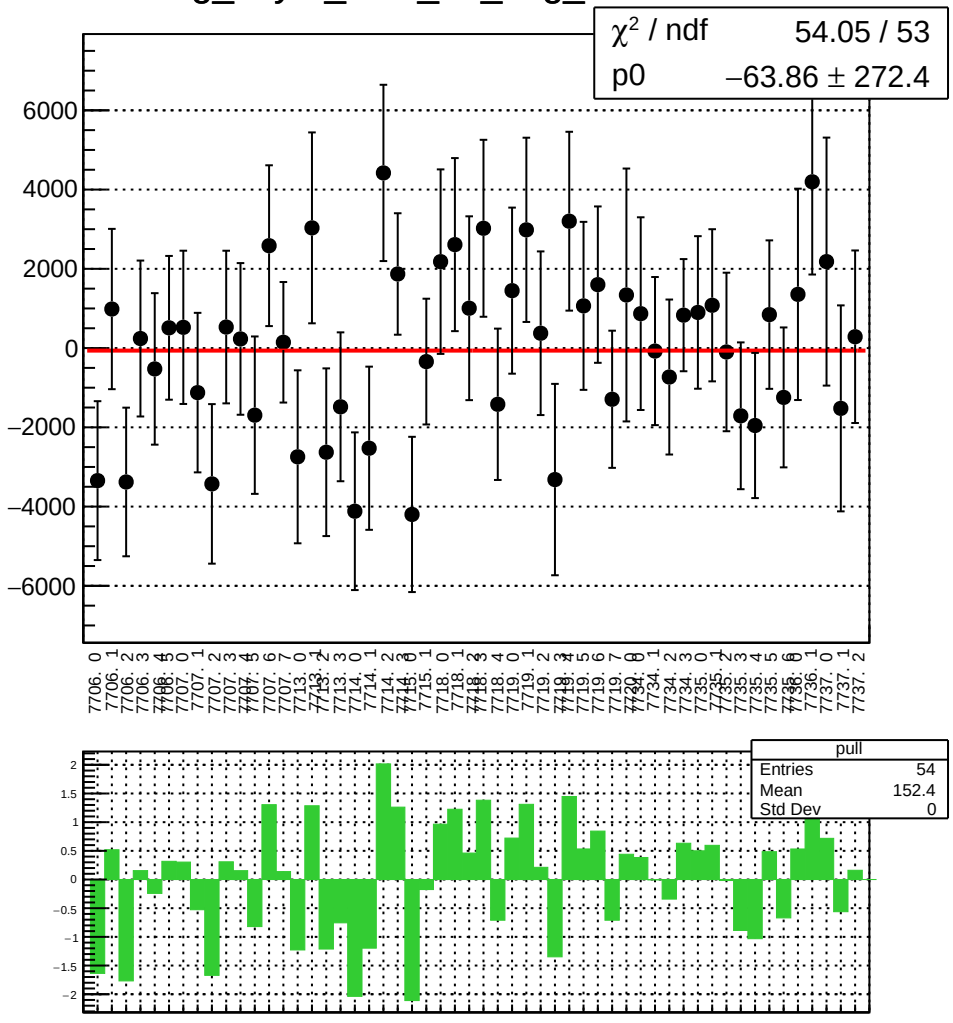

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.99 / 53
p0 0.02704 ± 0.06951
pull
Entries 54
Mean 95.71
Std Dev 0
pull1D
Entries 54
Mean −0.0252
Std Dev 0.8159

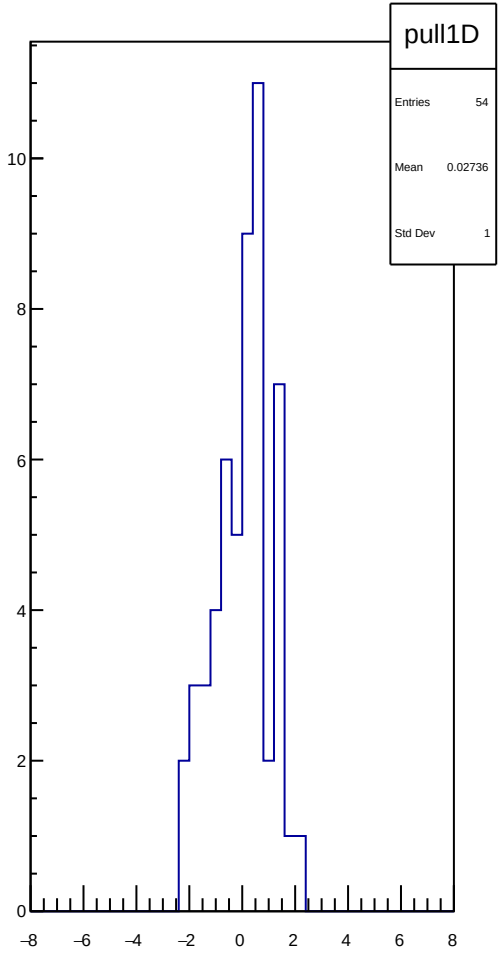

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 53
p0 46.95 ± 0.04915
240
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

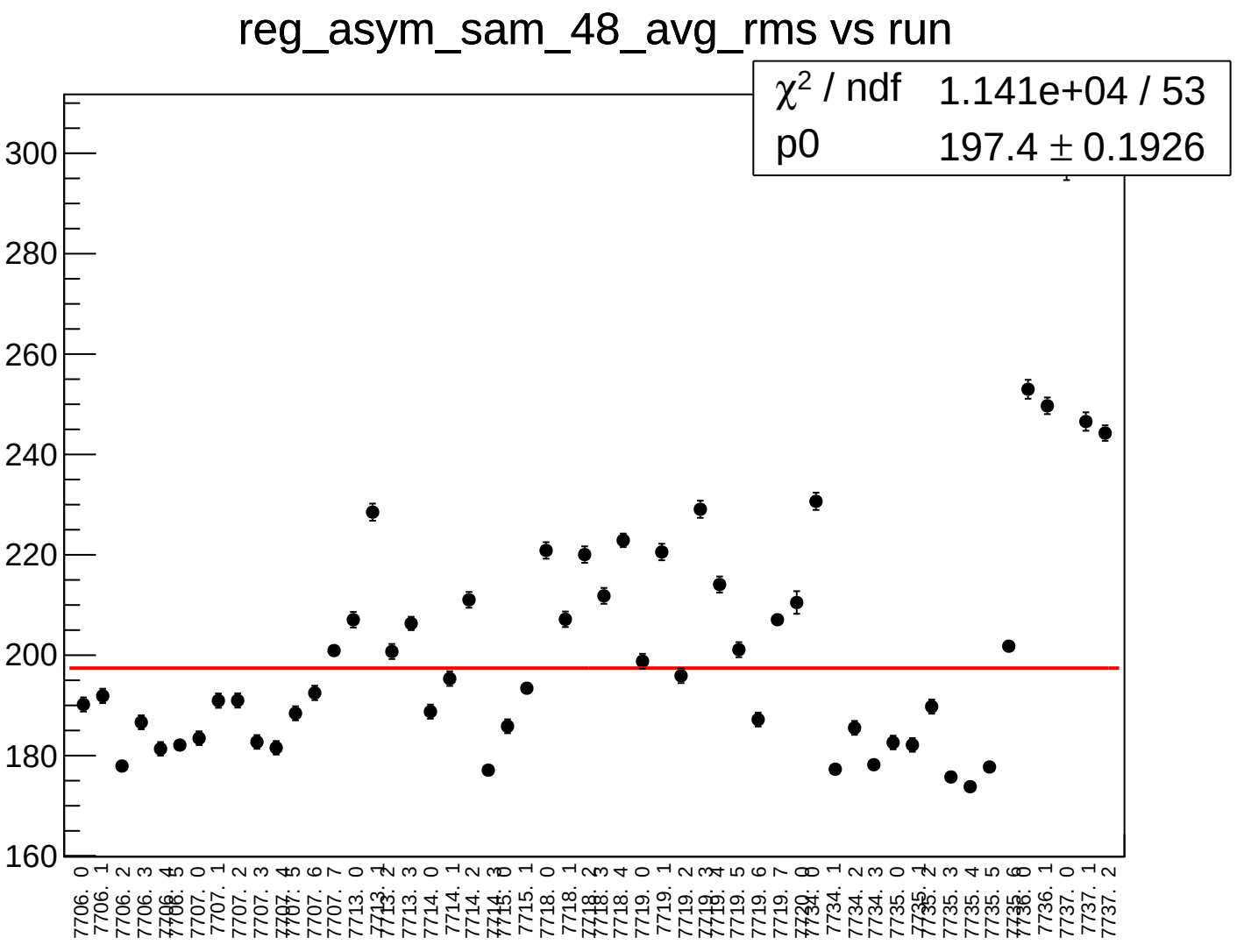

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.32 / 53
p0 1.988e−13 ± 1.418e−13
pull
Entries 54
Mean 45.78
Std Dev 0

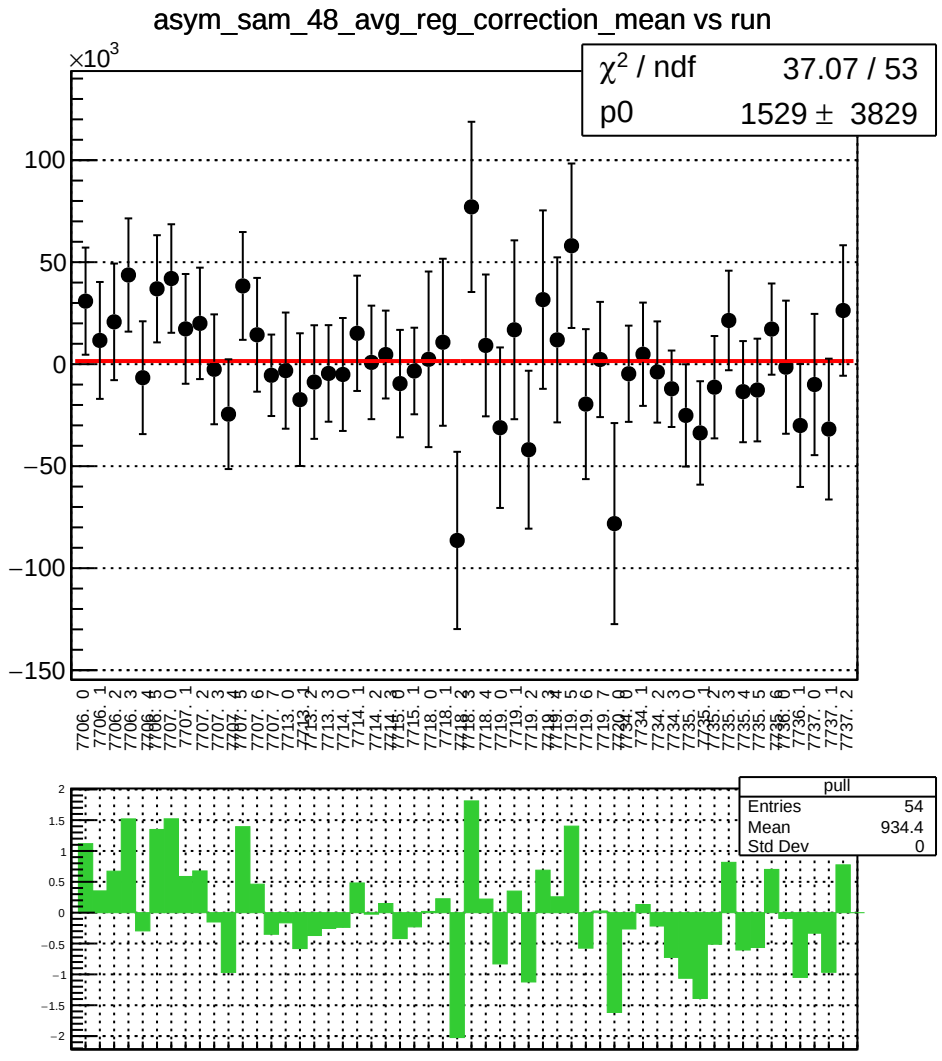

pull1D
Entries 54
Mean 0.1145
Std Dev 1.077

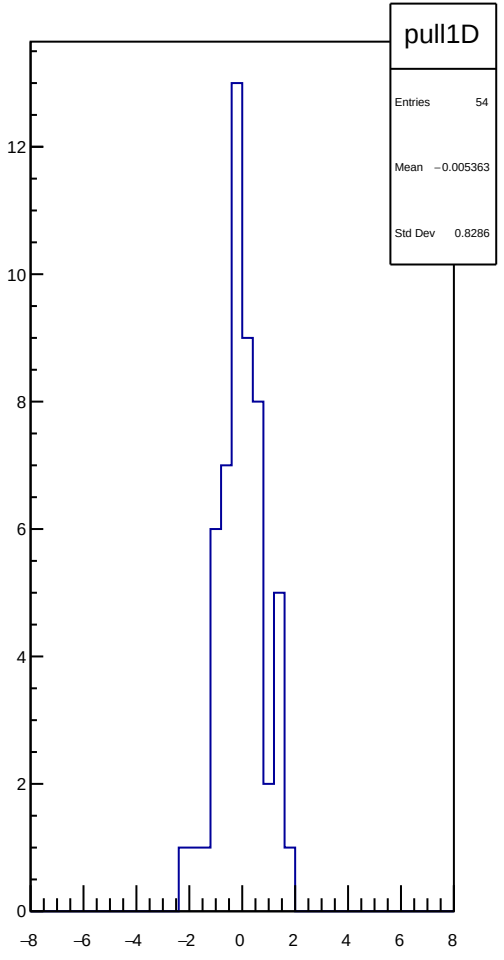

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.211e+05 / 53
p0 8.028e−11 ± 1.003e−13
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

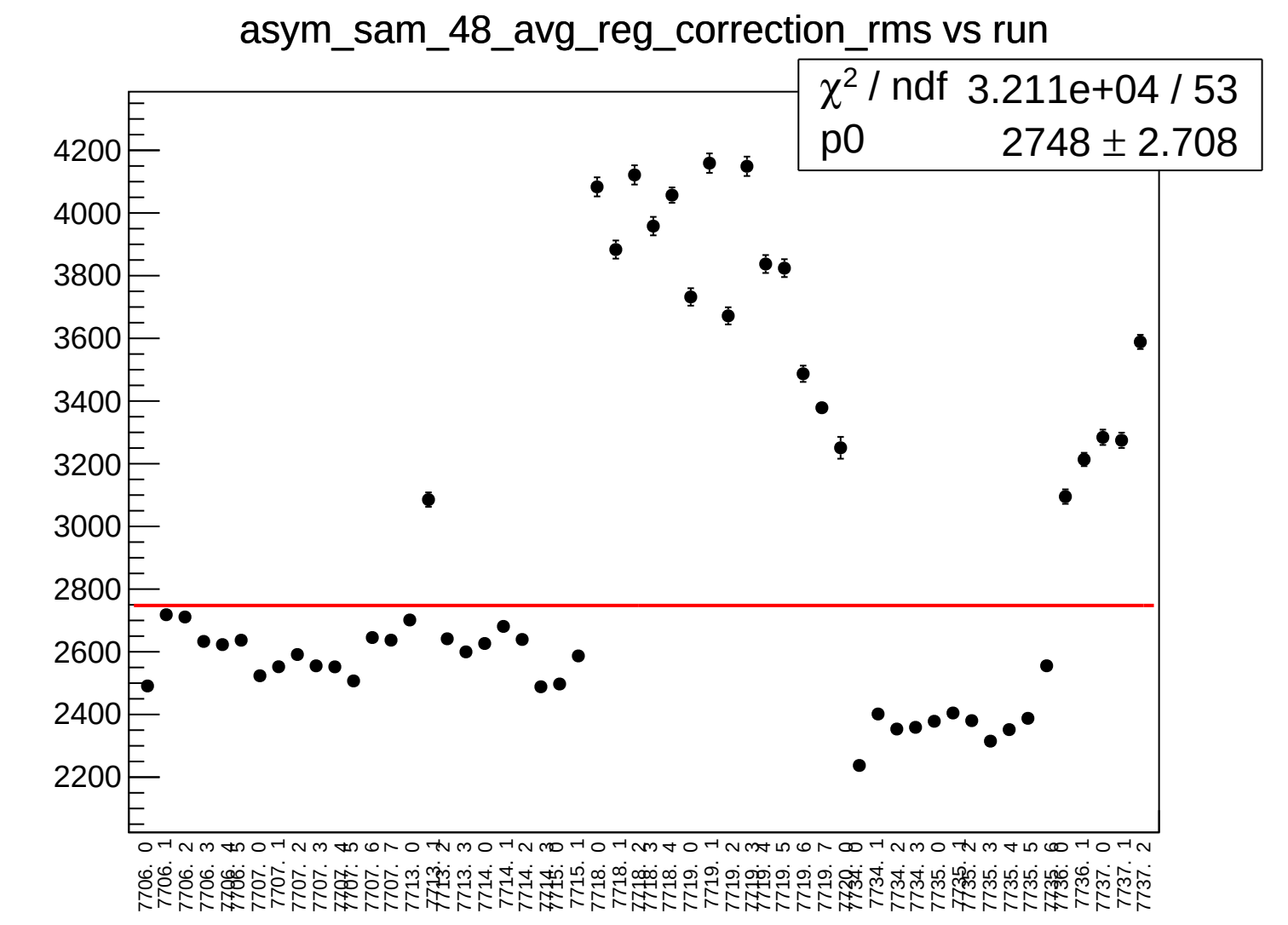

reg_asym_sam_48_avg_mean vs run
χ² / ndf 54.05 / 53
p0 −63.86 ± 272.4
pull
Entries 54
Mean 152.4
Std Dev 0

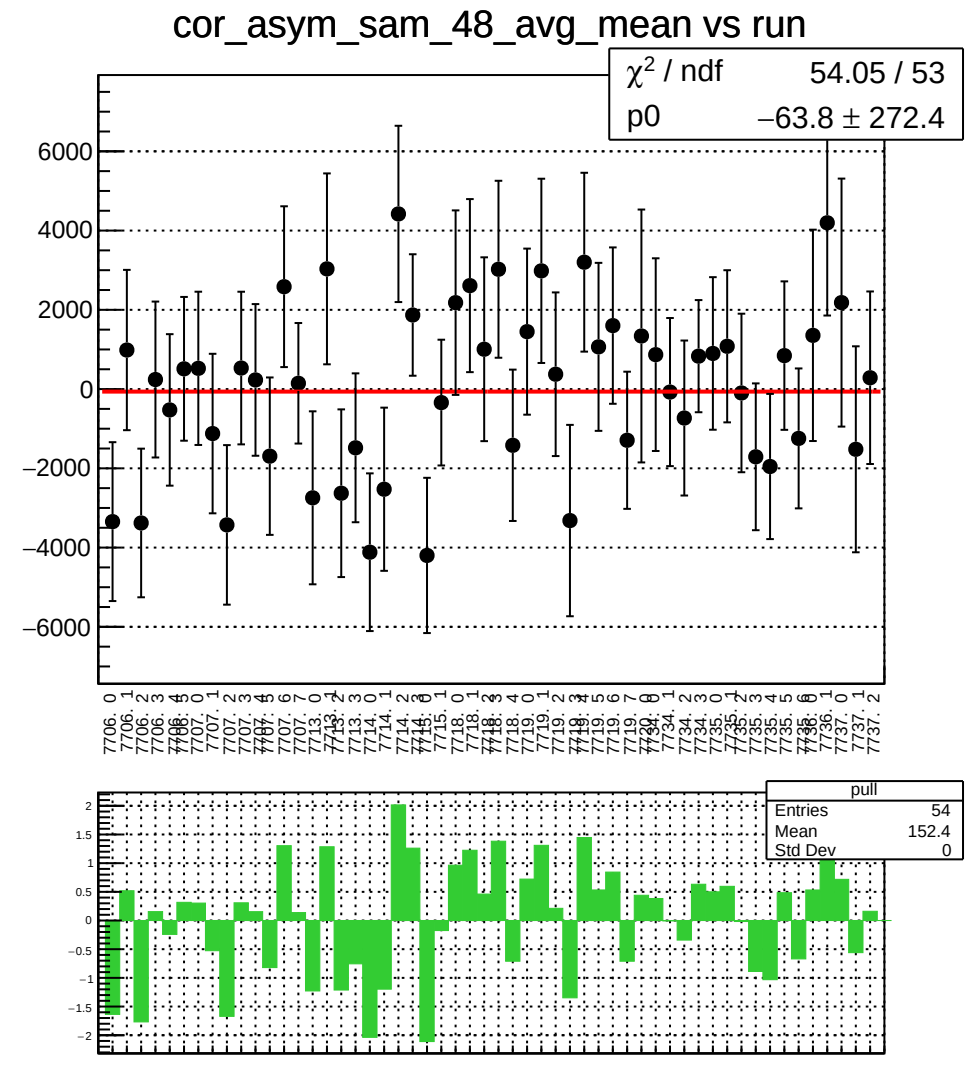

pull1D
Entries 54
Mean 0.02736
Std Dev 1

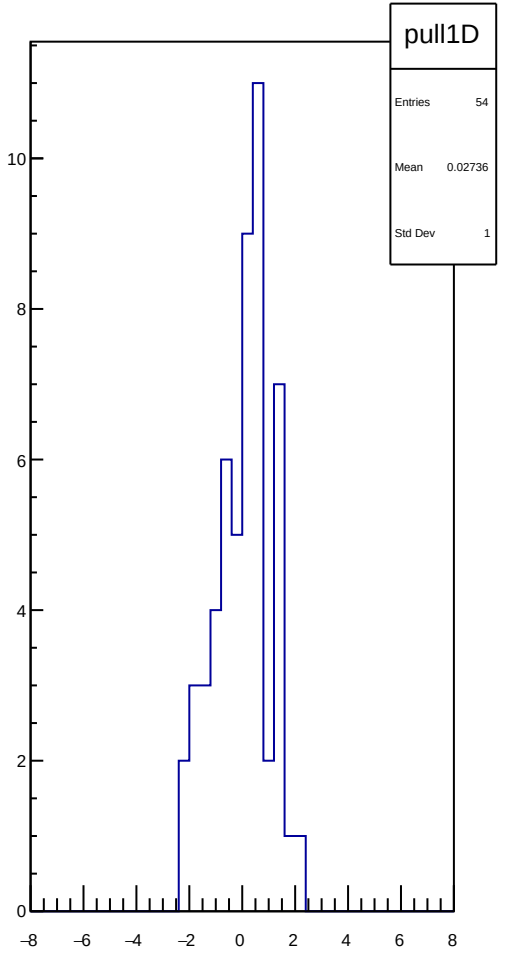

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.141e+04 / 53
p0 197.4 ± 0.1926
300
280
260
240
220
200
180
160

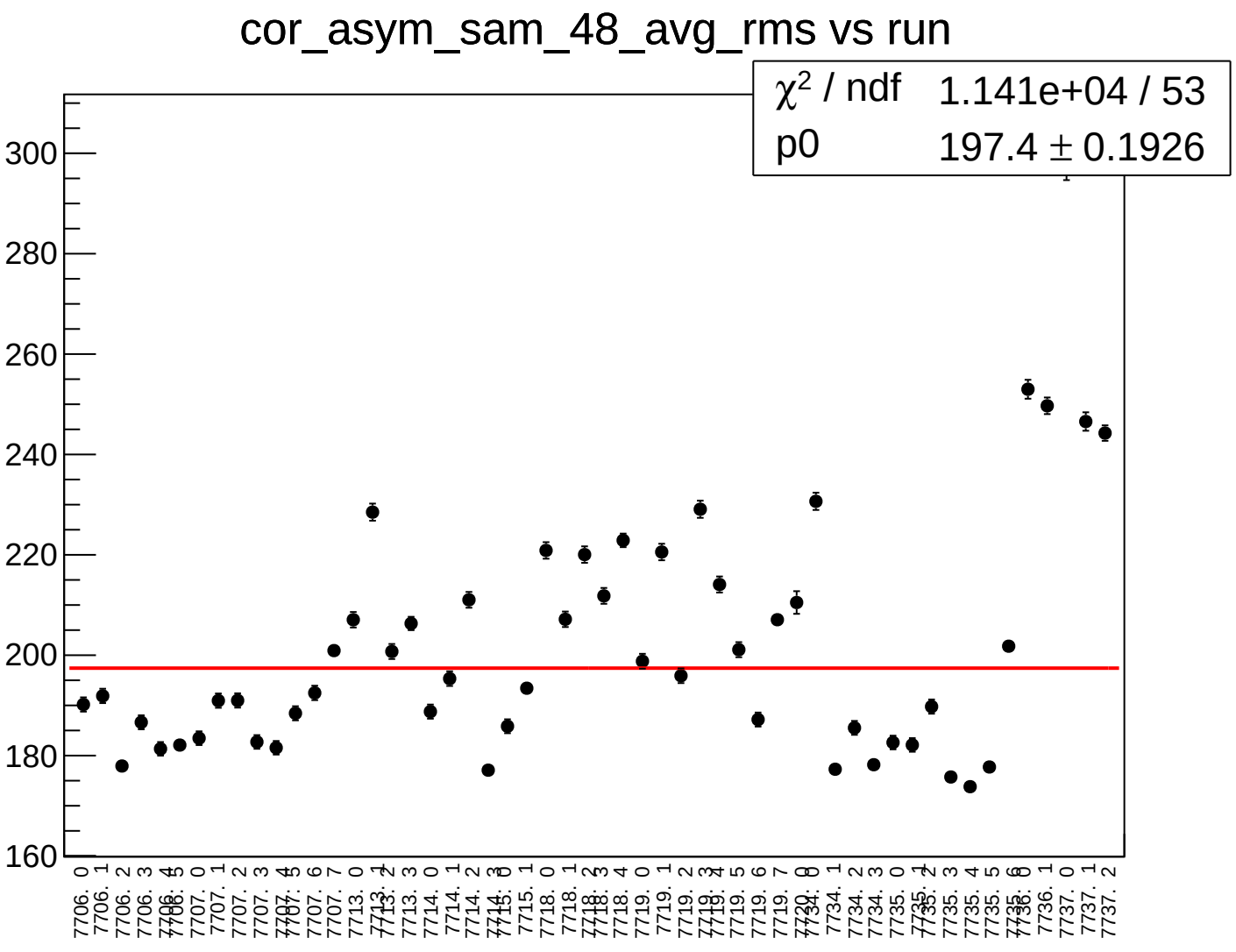

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ² / ndf 37.07 / 53
p0 1529 ± 3829
100
50
0
−50
−100
−150
pull
Entries 54
Mean 934.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

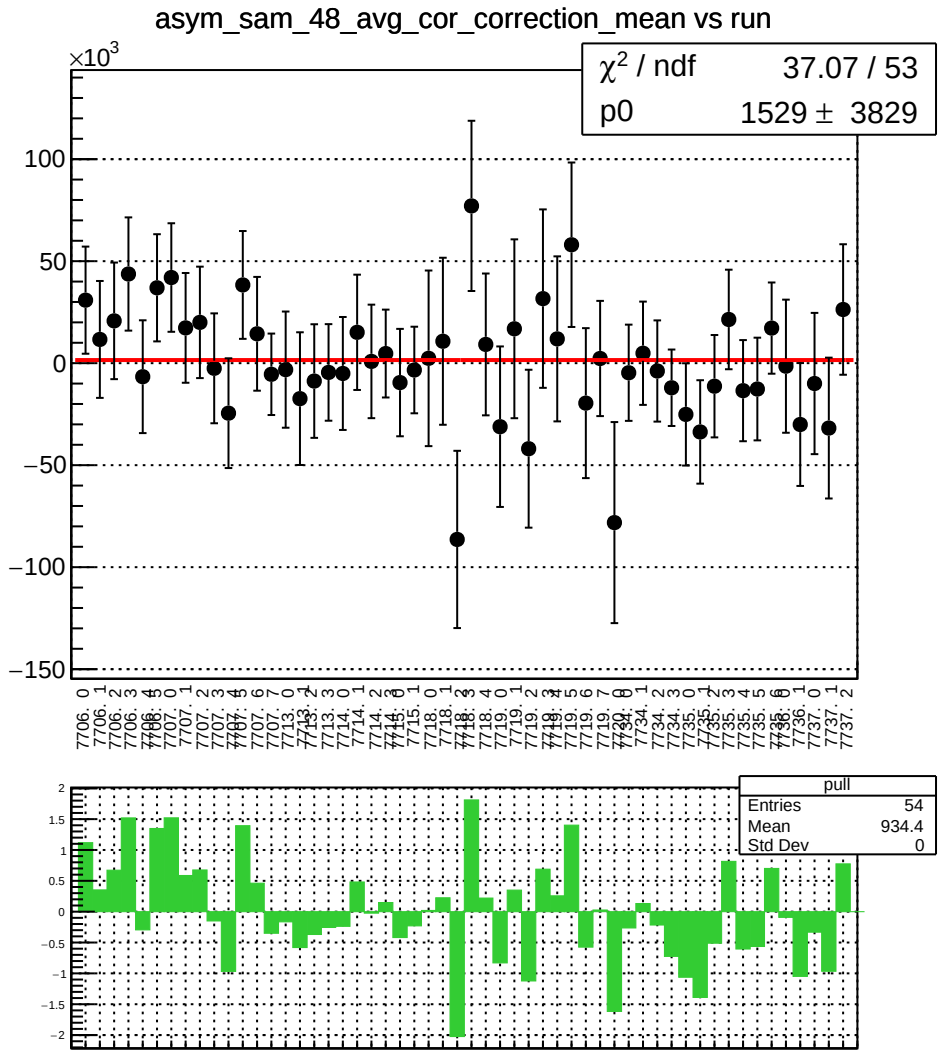

pull1D
Entries 54
Mean −0.005363
Std Dev 0.8286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

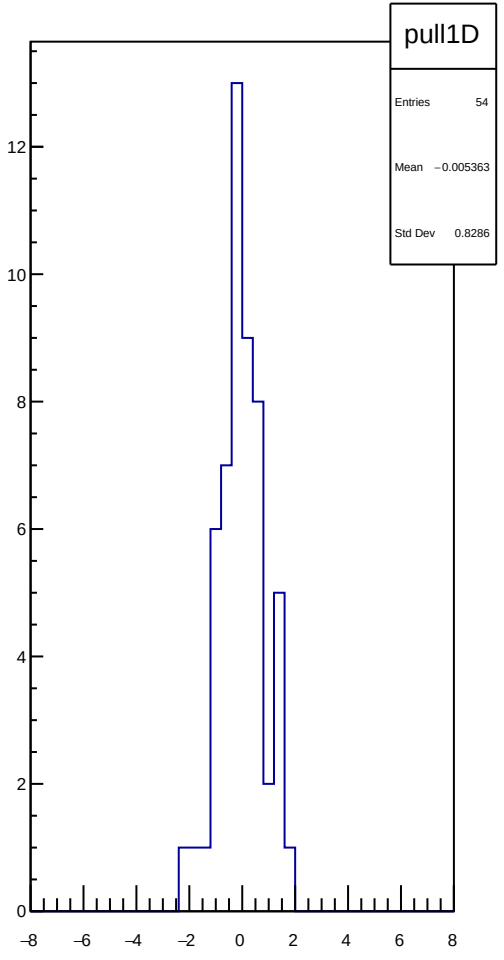

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 3.211e+04 / 53
p0 2748 ± 2.708
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

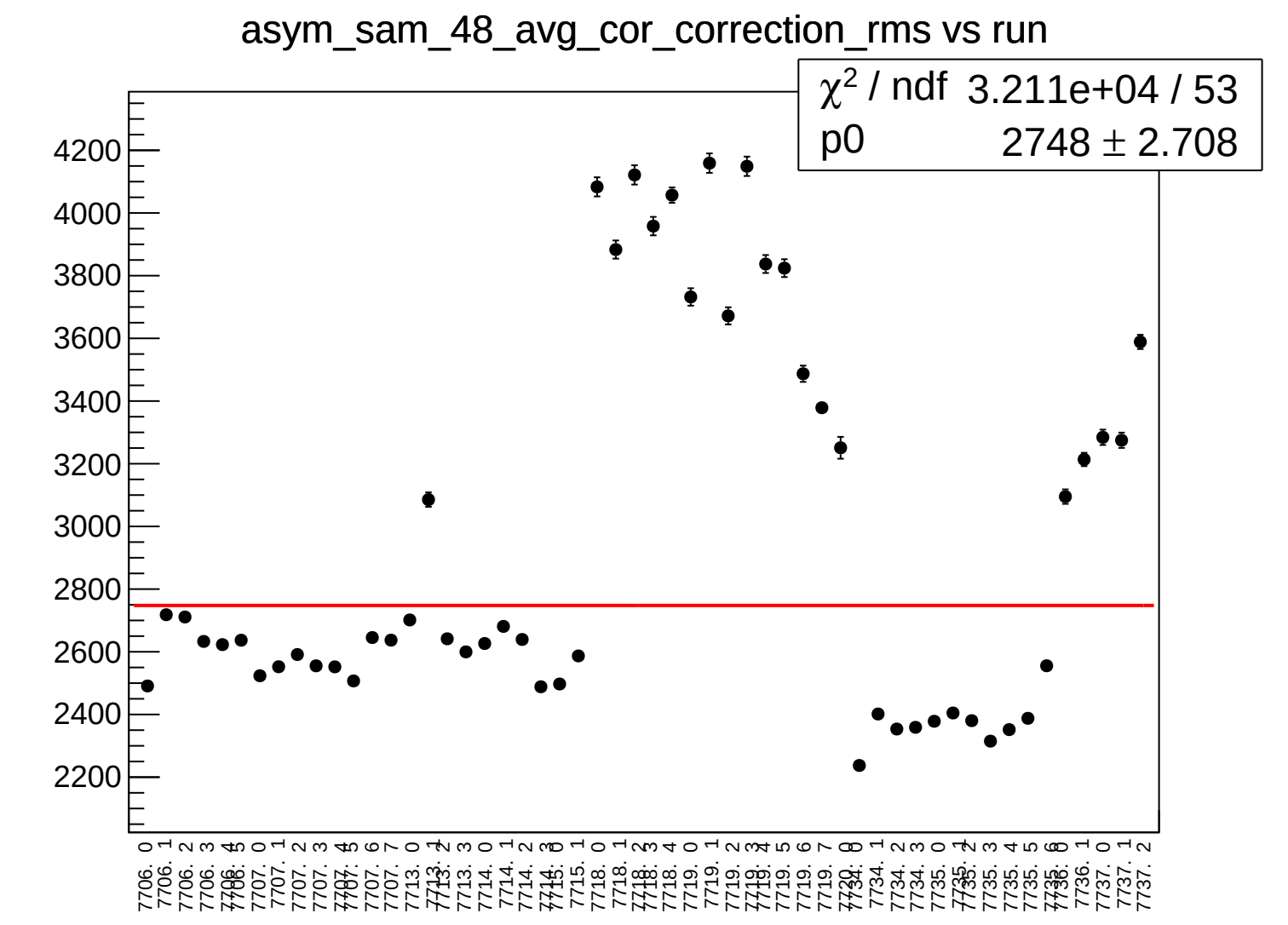

cor_asym_sam_48_avg_mean vs run
χ² / ndf 54.05 / 53
p0 −63.8 ± 272.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

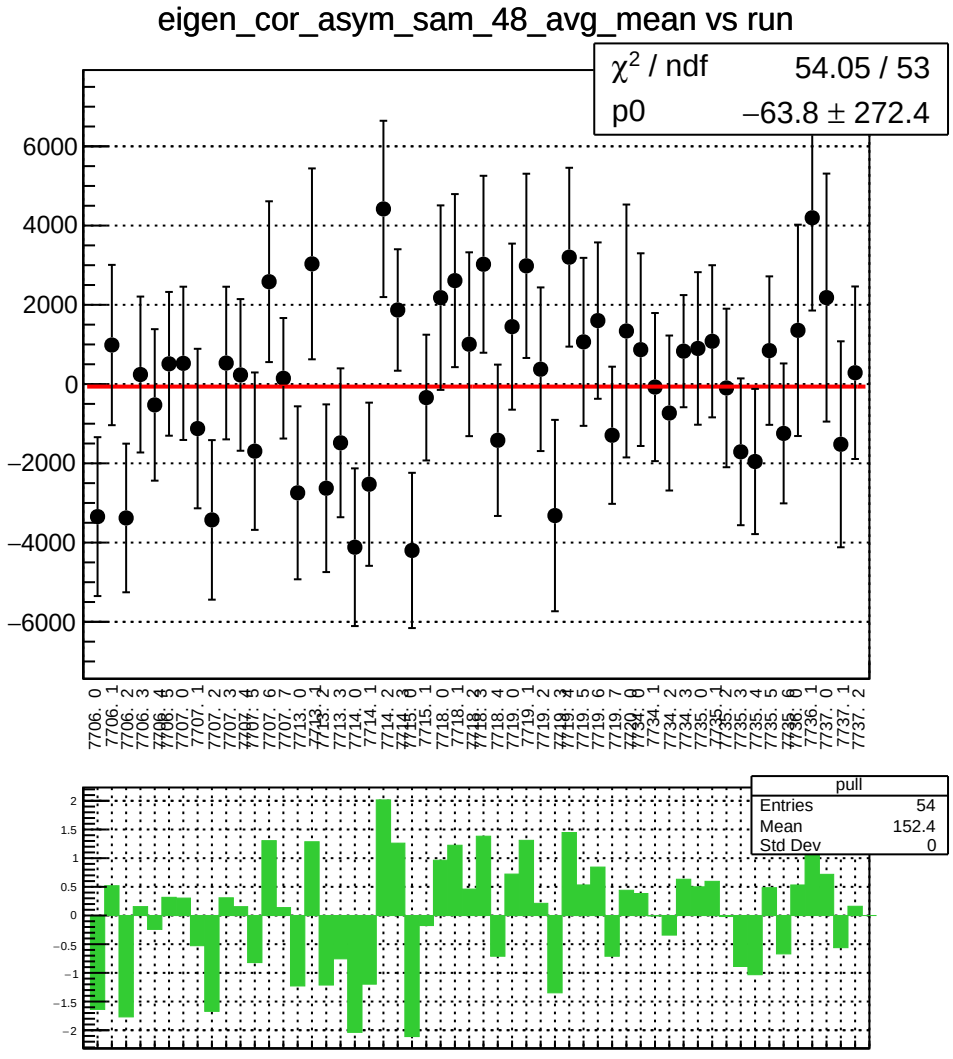

pull1D
Entries 54
Mean 0.02736
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

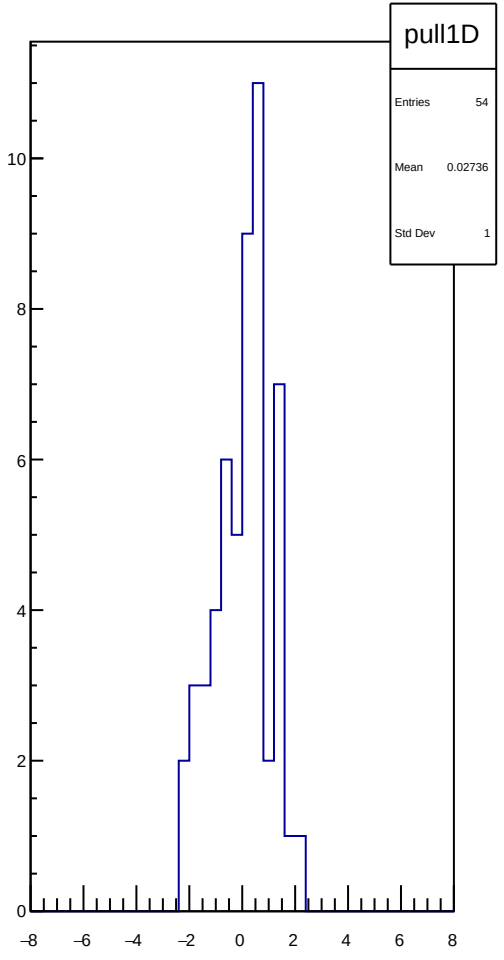

cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.141e+04 / 53
p0 197.4 ± 0.1926
300
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

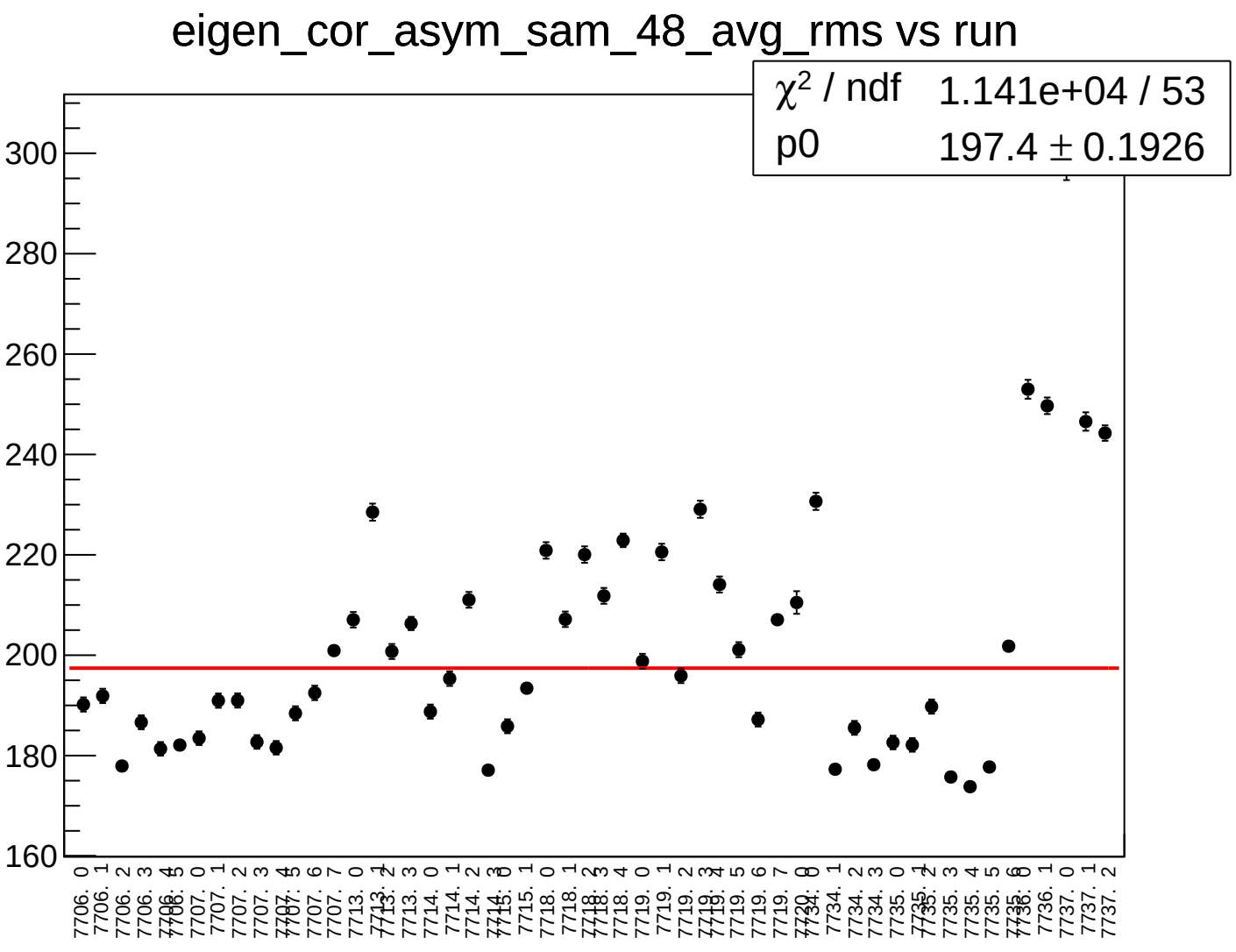

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 37.07 / 53
p0 1529 ± 3829
100
50
0
−50
−100
−150
pull
Entries 54
Mean 934.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

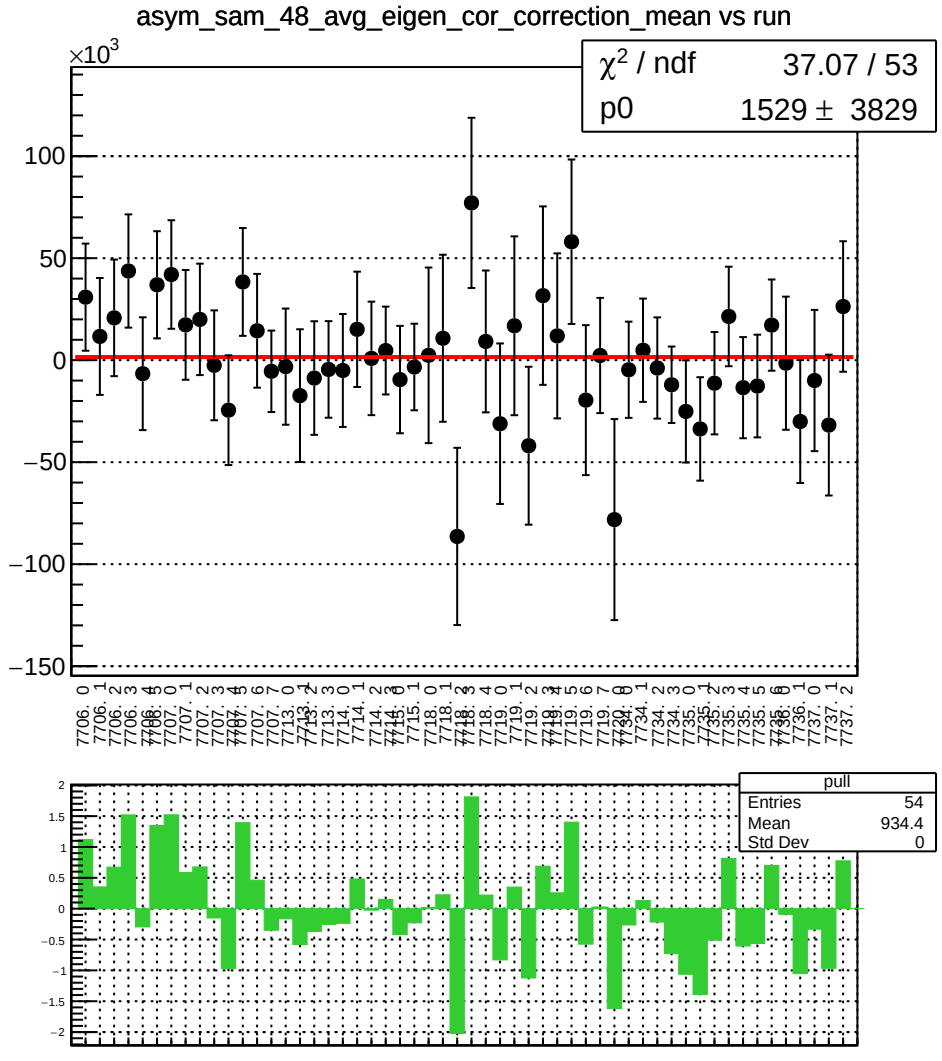

pull1D
Entries 54
Mean −0.005363
Std Dev 0.8286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

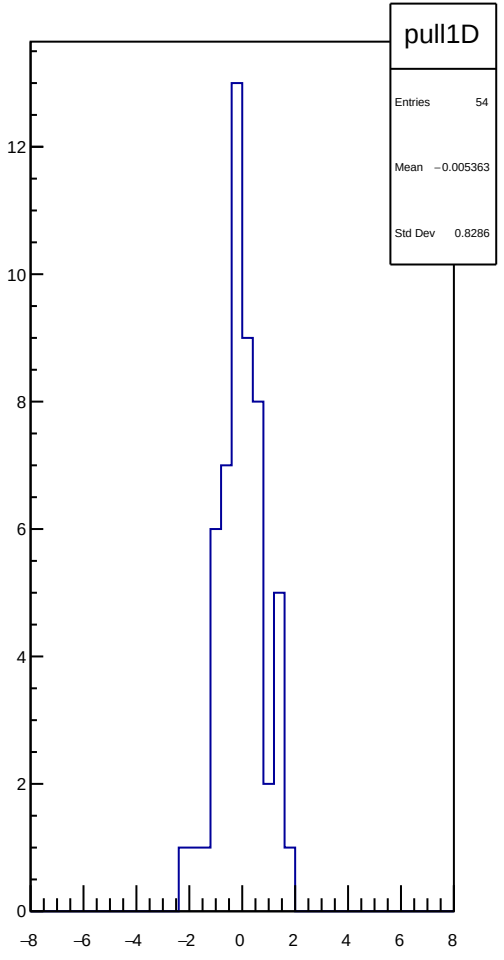

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 3.211e+04 / 53
p0 2748 ± 2.708
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

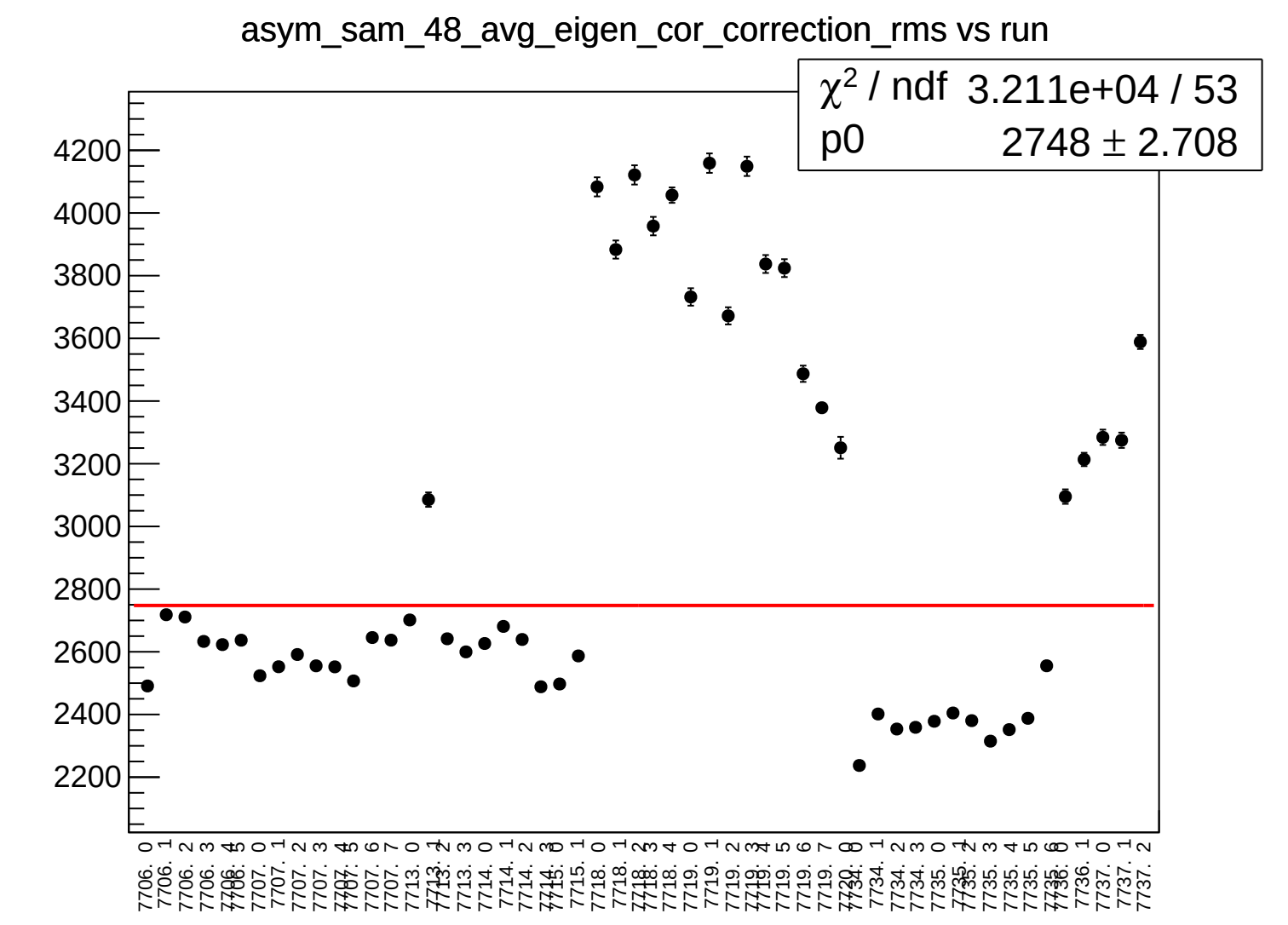

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 54.05 / 53
p0 −63.8 ± 272.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

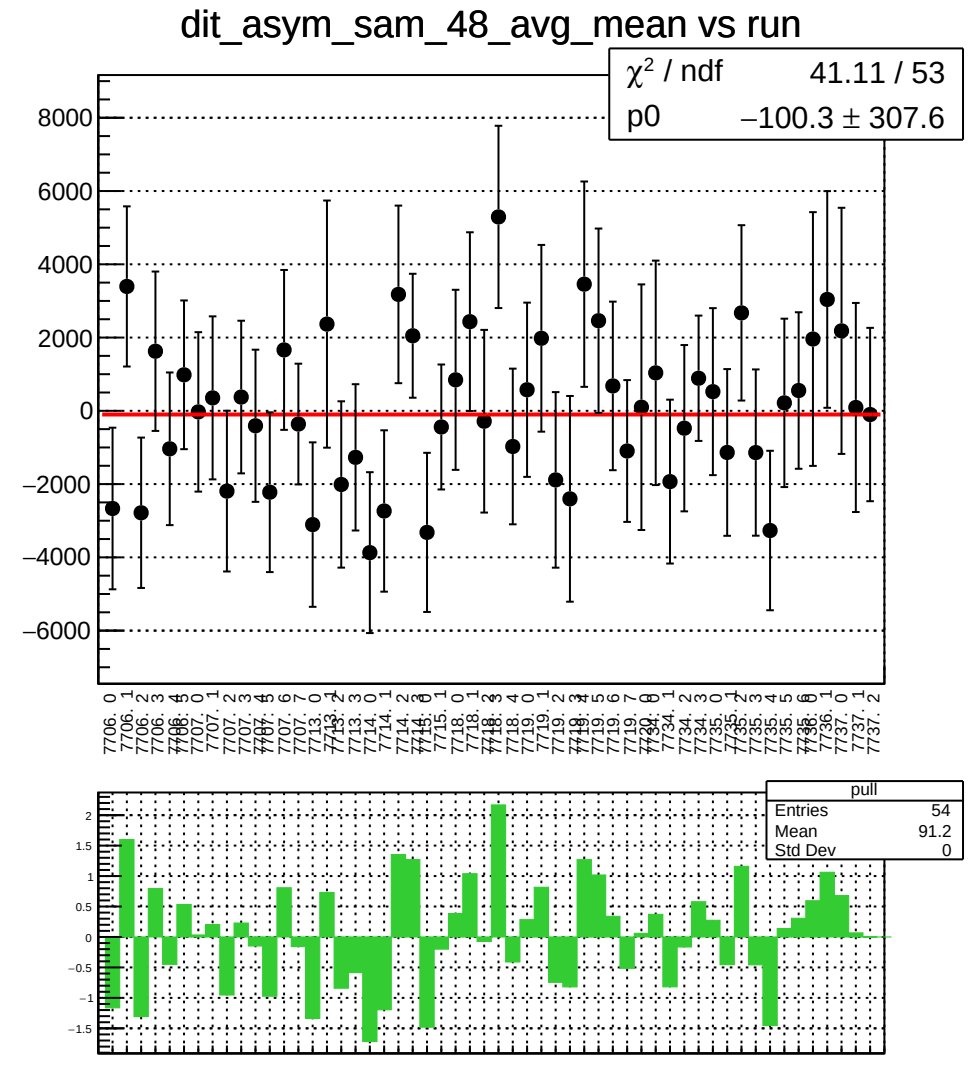

pull1D
Entries 54
Mean 0.02736
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

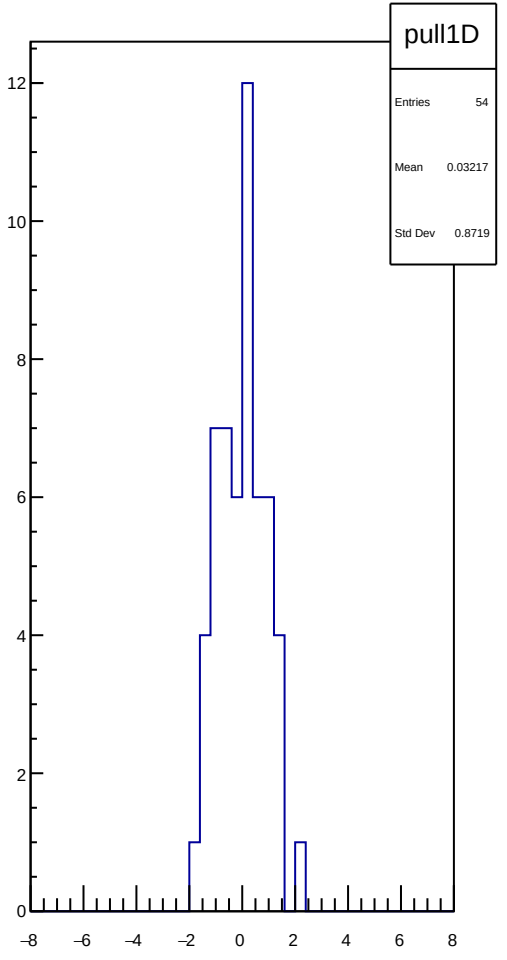

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.141e+04 / 53
p0 197.4 ± 0.1926
300
280
260
240
220
200
180
160

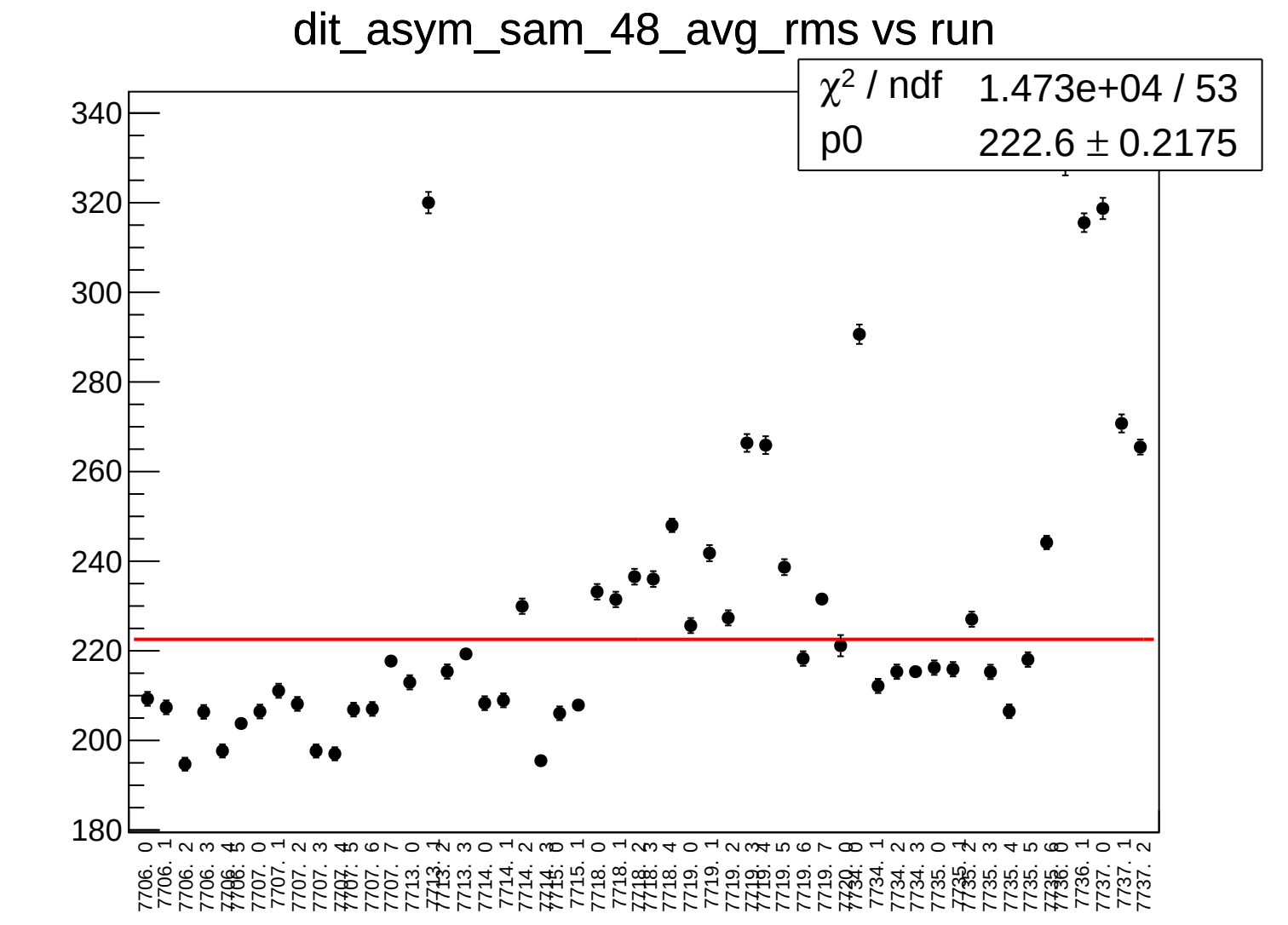

asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 37.07 / 53
p0 1529 ± 3829
100
50
0
−50
−100
−150
pull
Entries 54
Mean 934.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

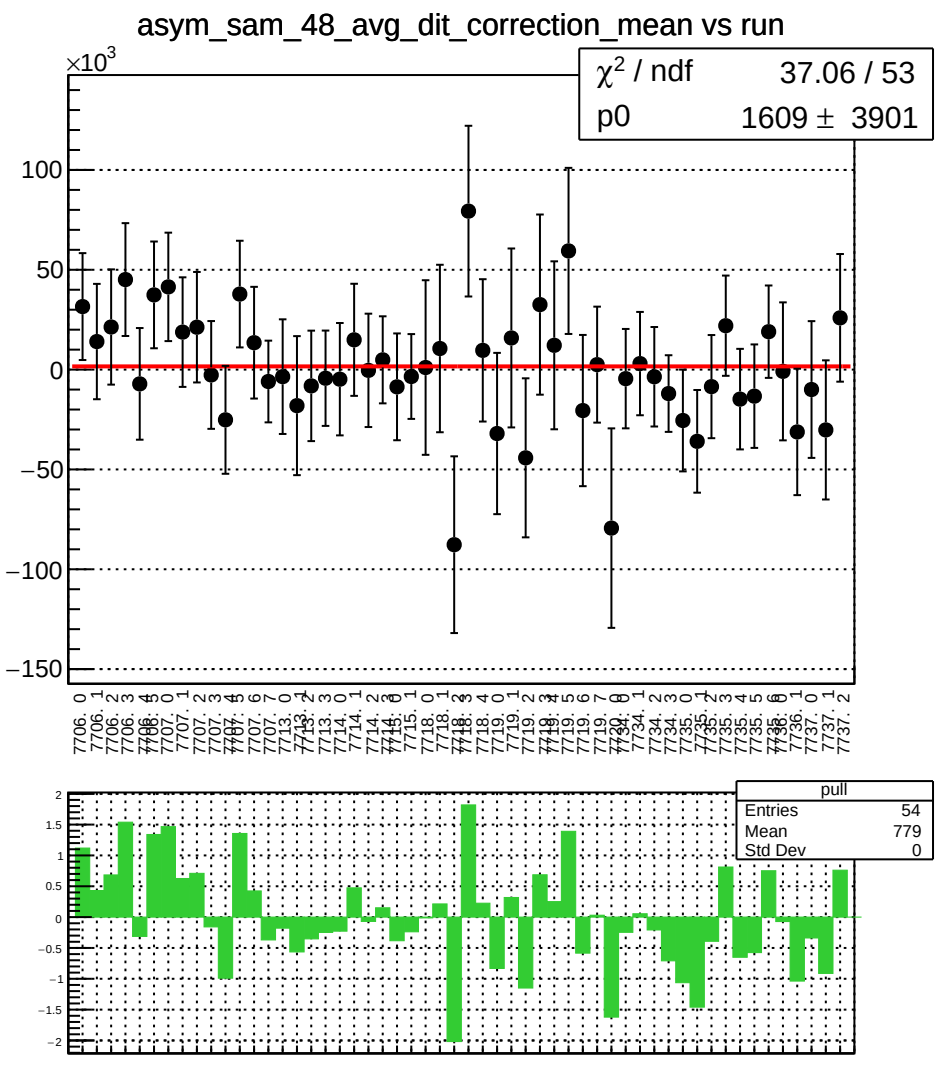

pull1D
Entries 54
Mean −0.005363
Std Dev 0.8286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

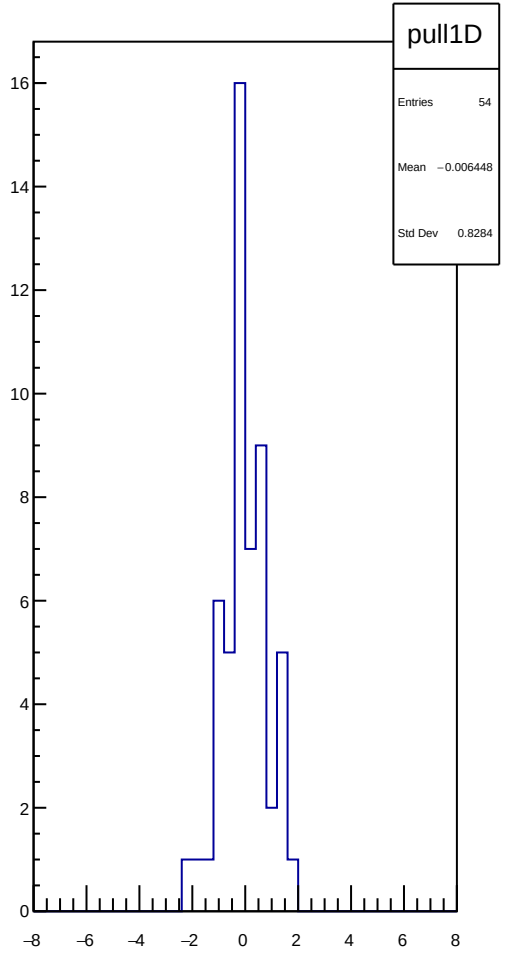

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.211e+04 / 53
p0 2748 ± 2.708
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

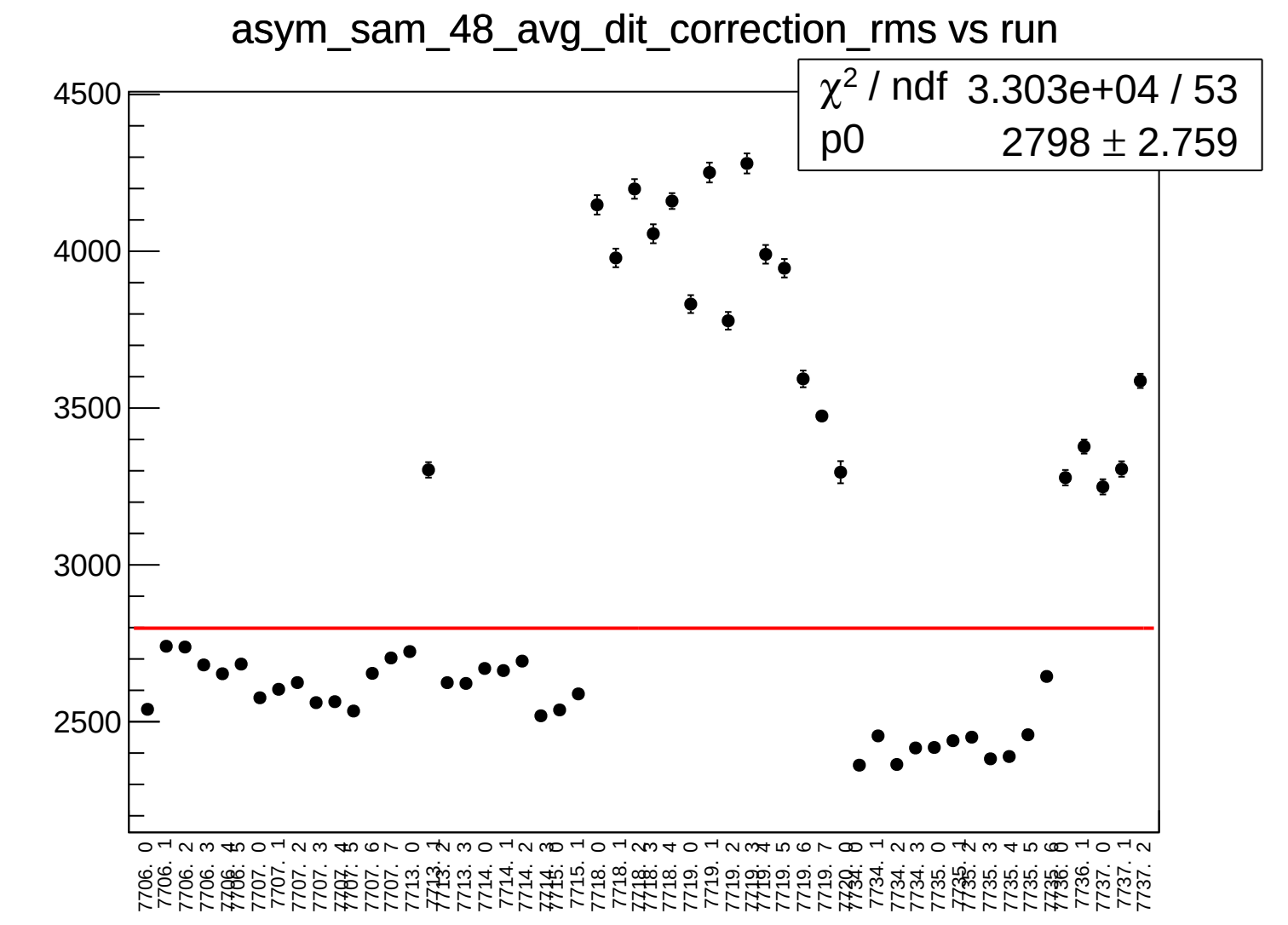

dit_asym_sam_48_avg_mean vs run
χ² / ndf 41.11 / 53
p0 −100.3 ± 307.6
pull
Entries 54
Mean 91.2
Std Dev 0

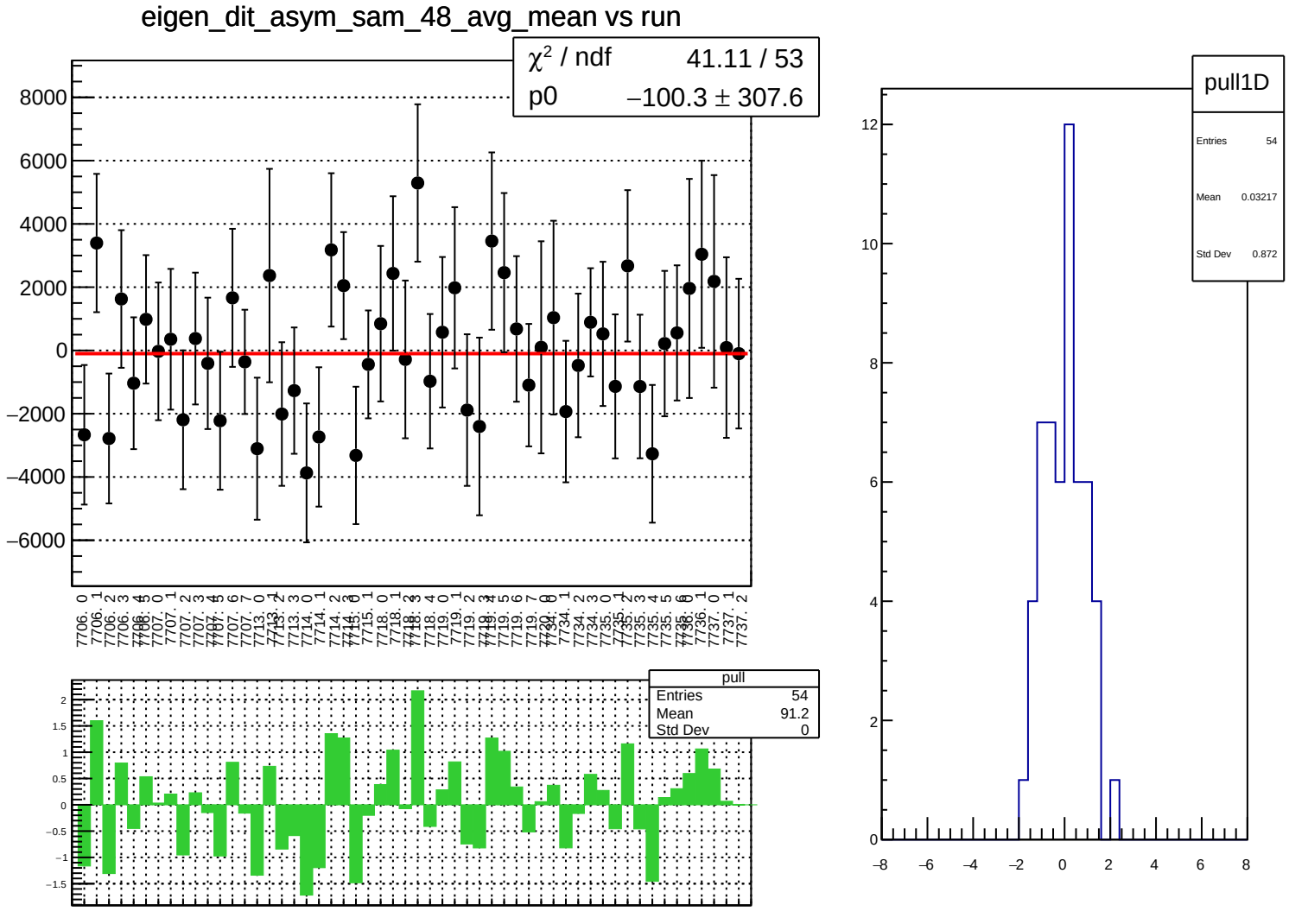

pull1D
Entries 54
Mean 0.03217
Std Dev 0.8719

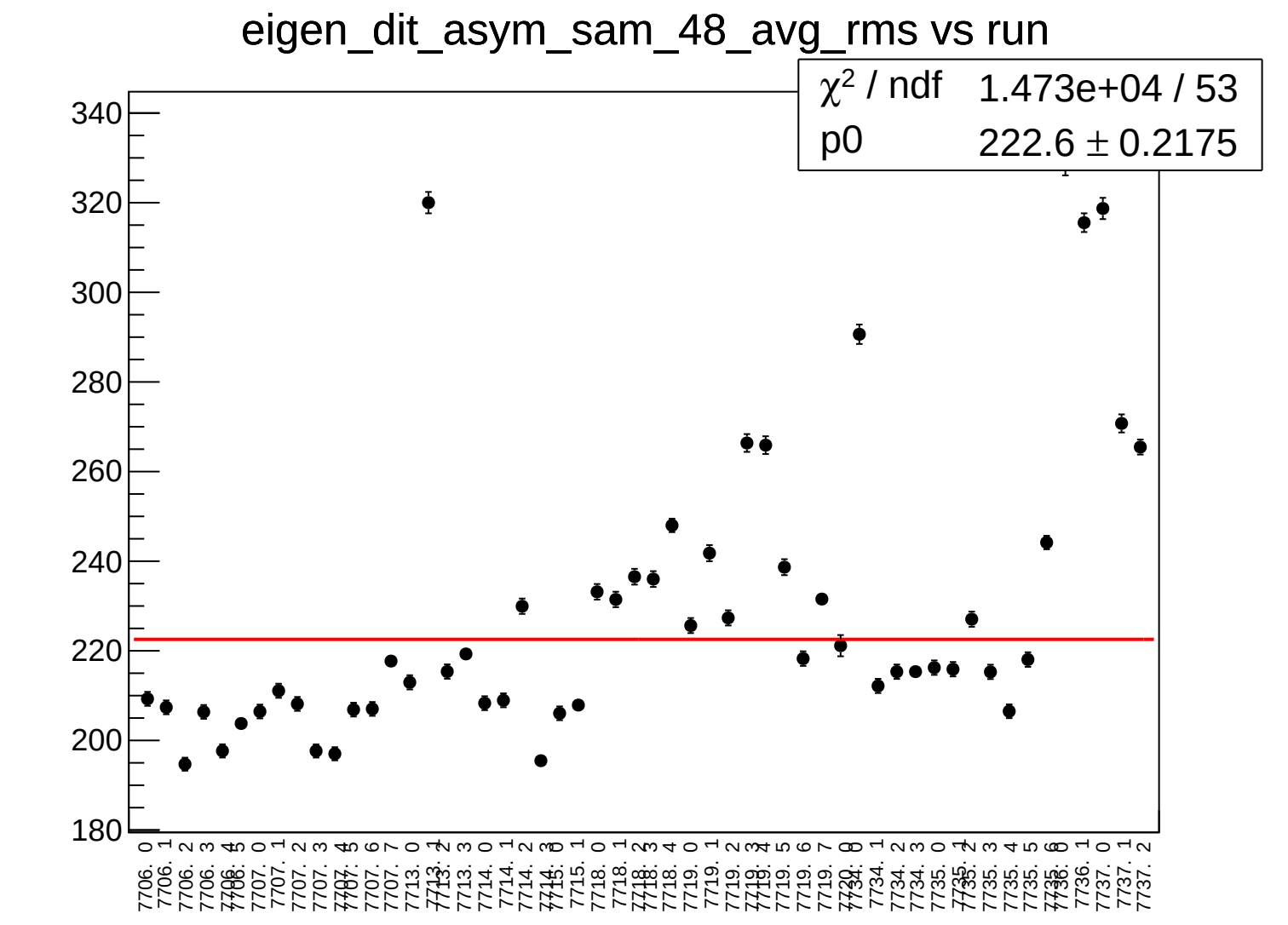

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.473e+04 / 53
p0 222.6 ± 0.2175
340
320
300
280
260
240
220
200
180

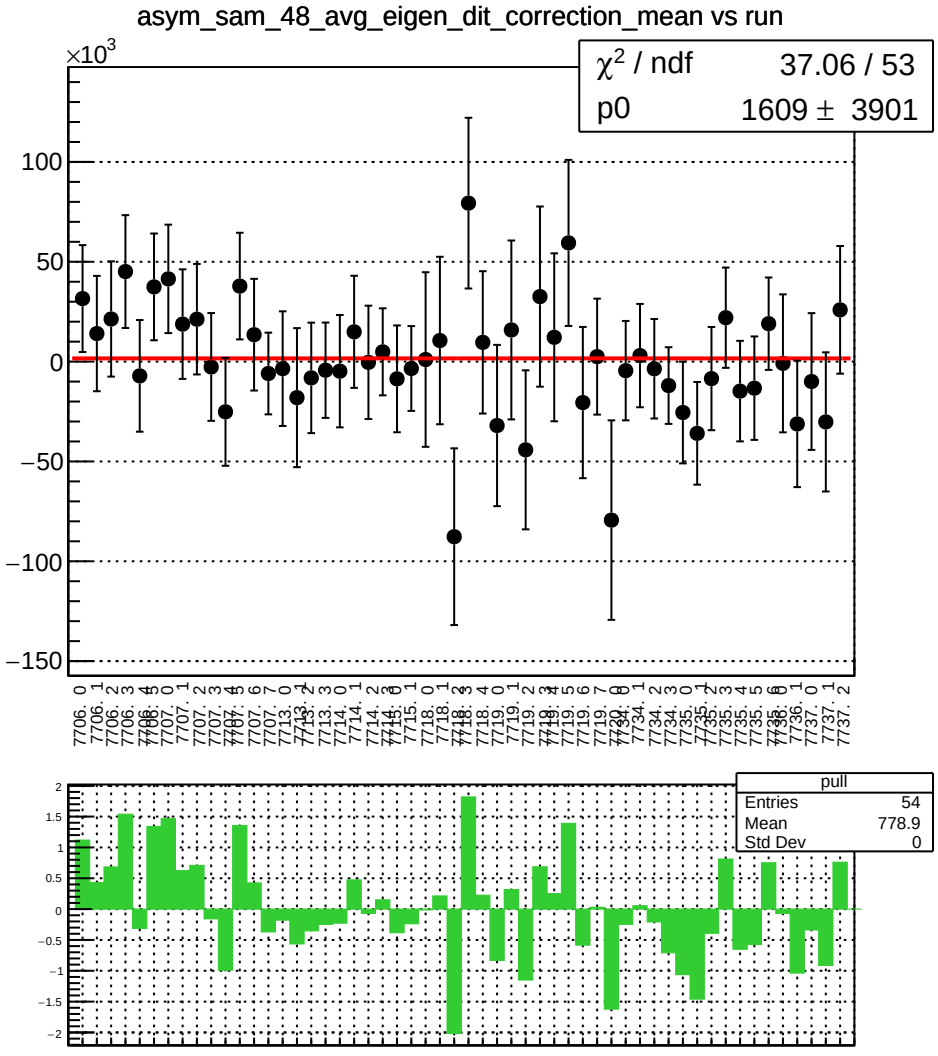

asym_sam_48_avg_dit_correction_mean vs run
×10^3
χ² / ndf 37.06 / 53
p0 1609 ± 3901
100
50
0
−50
−100
−150
pull
Entries 54
Mean 779
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

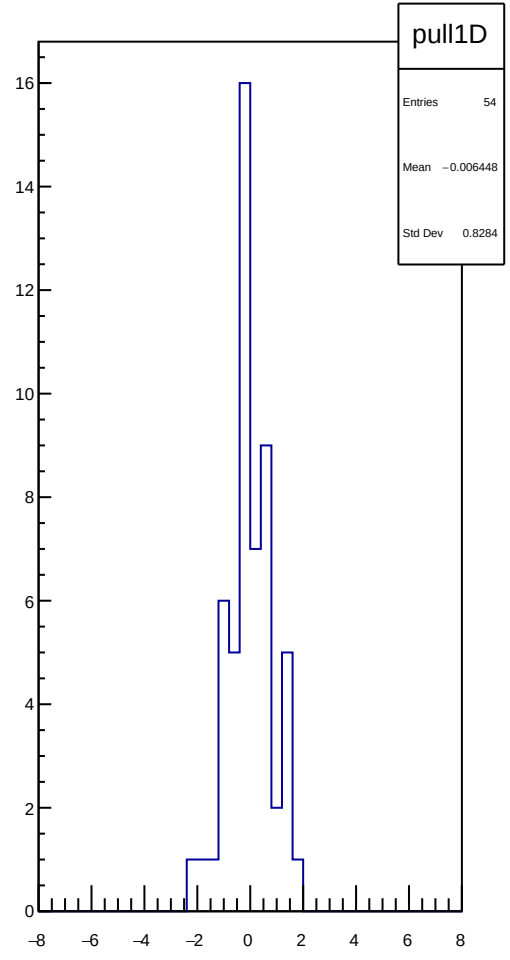

pull1D
Entries 54
Mean −0.006448
Std Dev 0.8284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

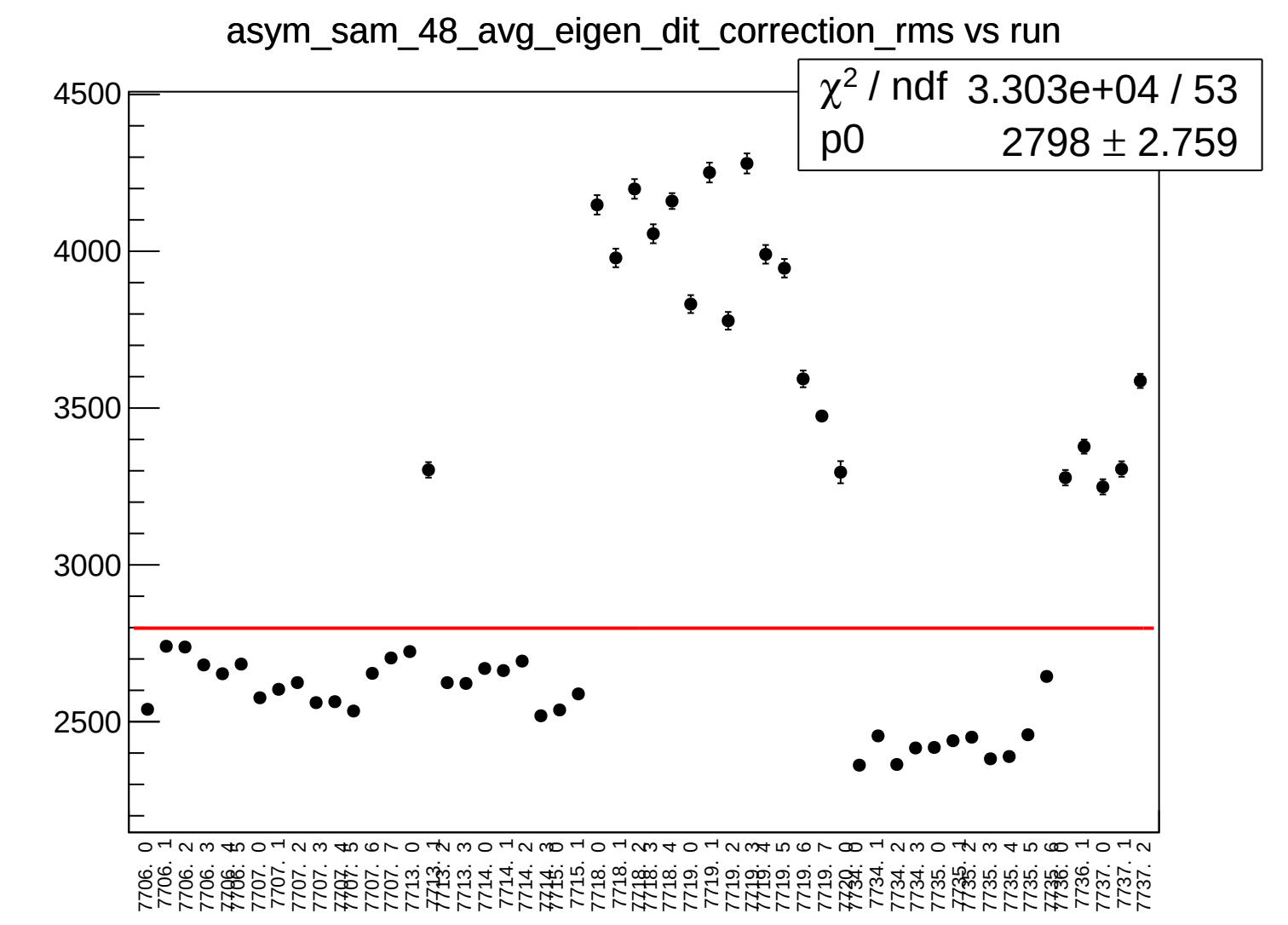

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 3.303e+04 / 53
p0 2798 ± 2.759
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

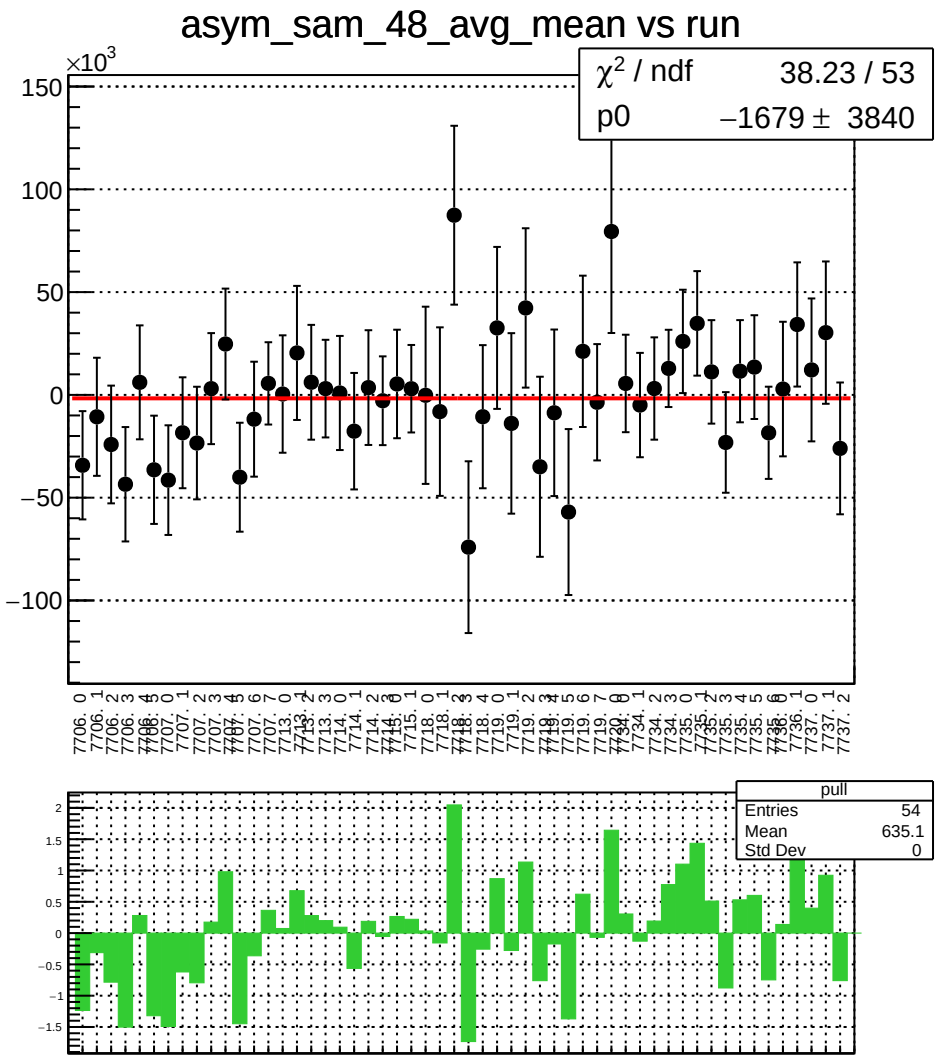

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 41.11 / 53
p0 −100.3 ± 307.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 91.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.03217
Std Dev 0.872
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

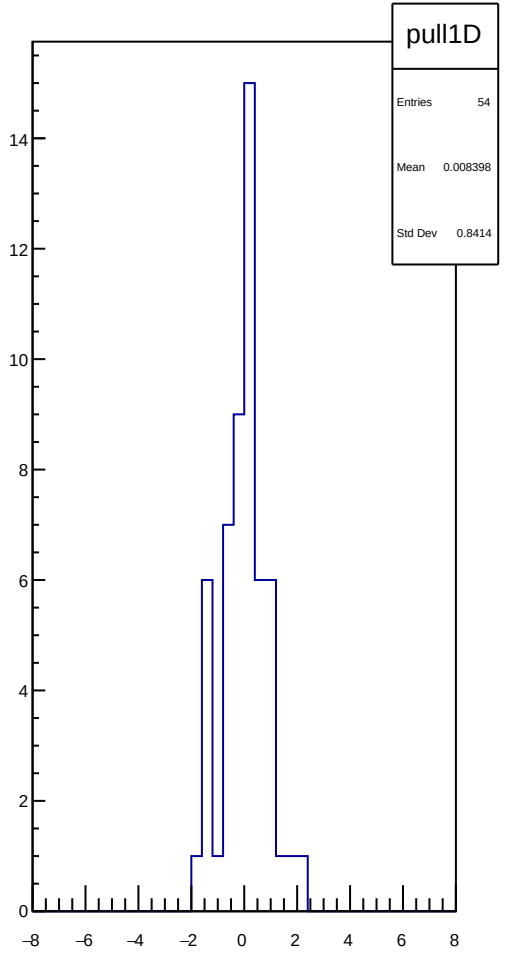

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.473e+04 / 53
p0 222.6 ± 0.2175
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

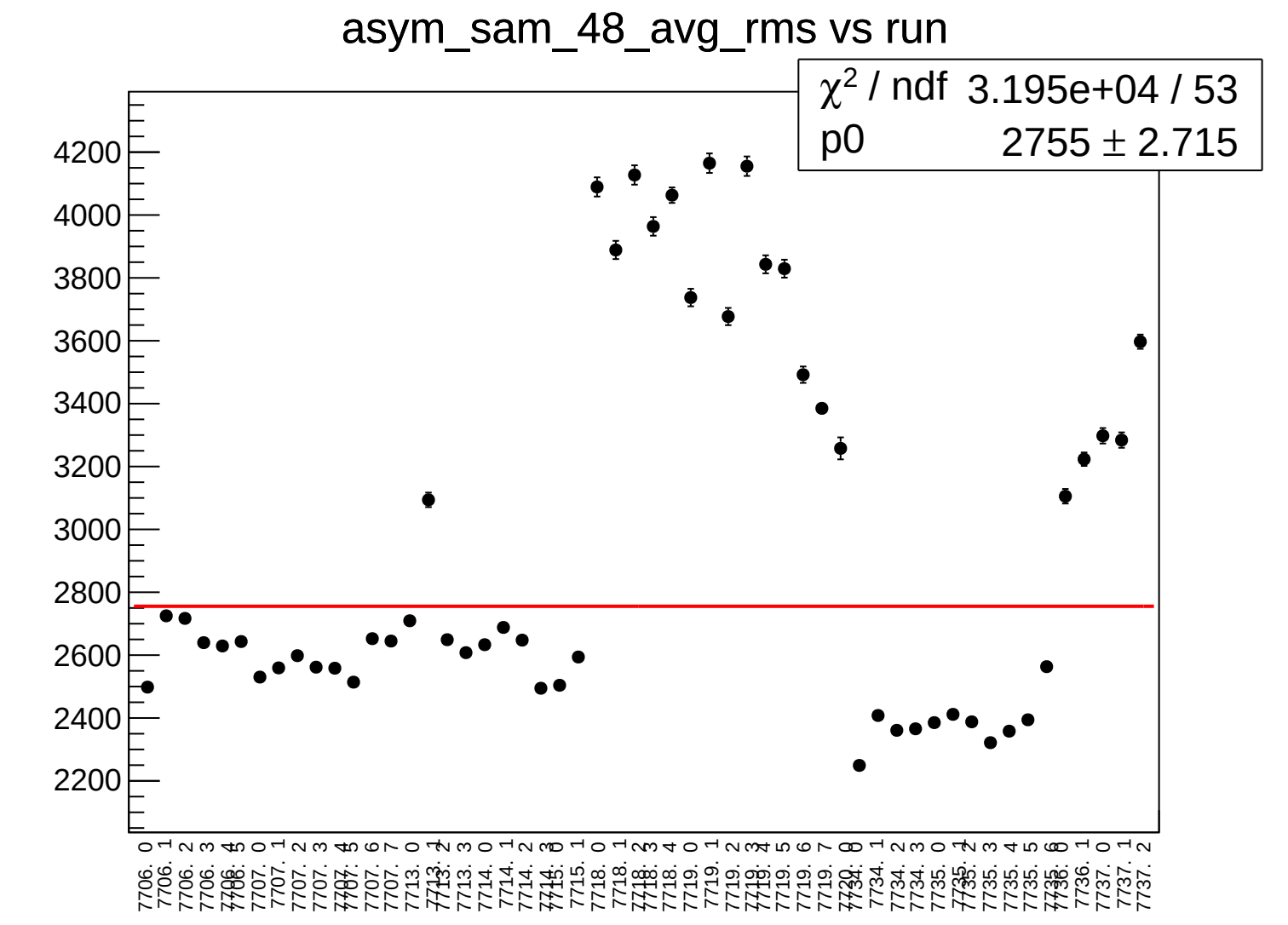

asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 37.06 / 53
p0 1609 ± 3901
100
50
0
−50
−100
−150
pull
Entries 54
Mean 778.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

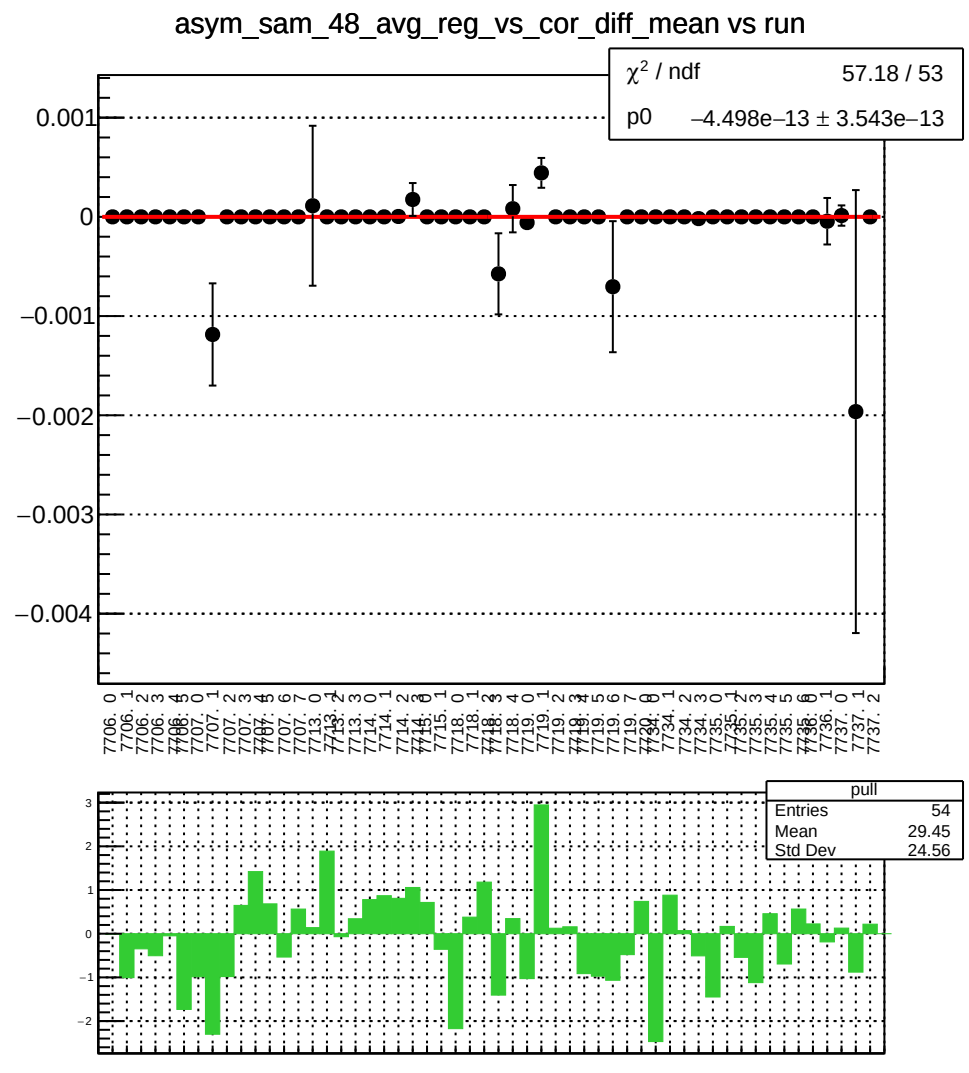

pull1D
Entries 54
Mean −0.006448
Std Dev 0.8284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

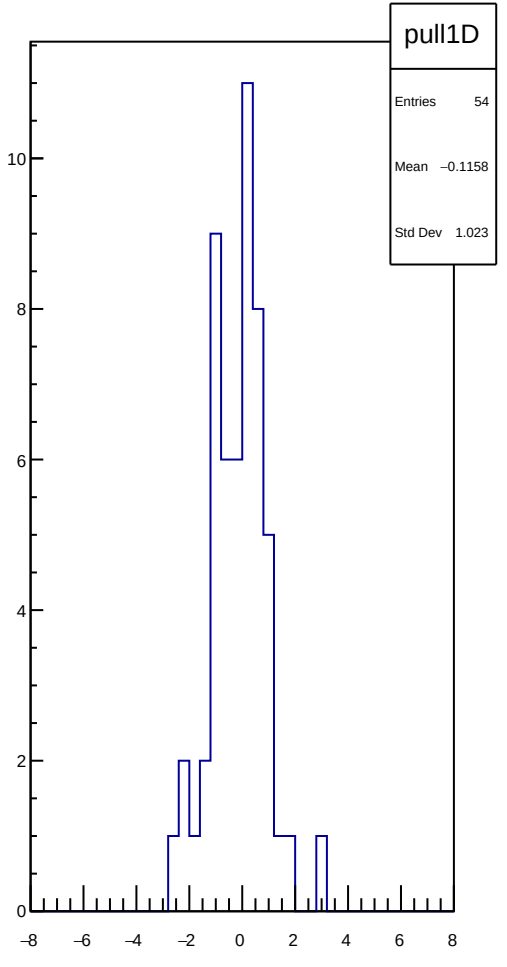

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.303e+04 / 53
p0 2798 ± 2.759
4500
4000
3500
3000
2500

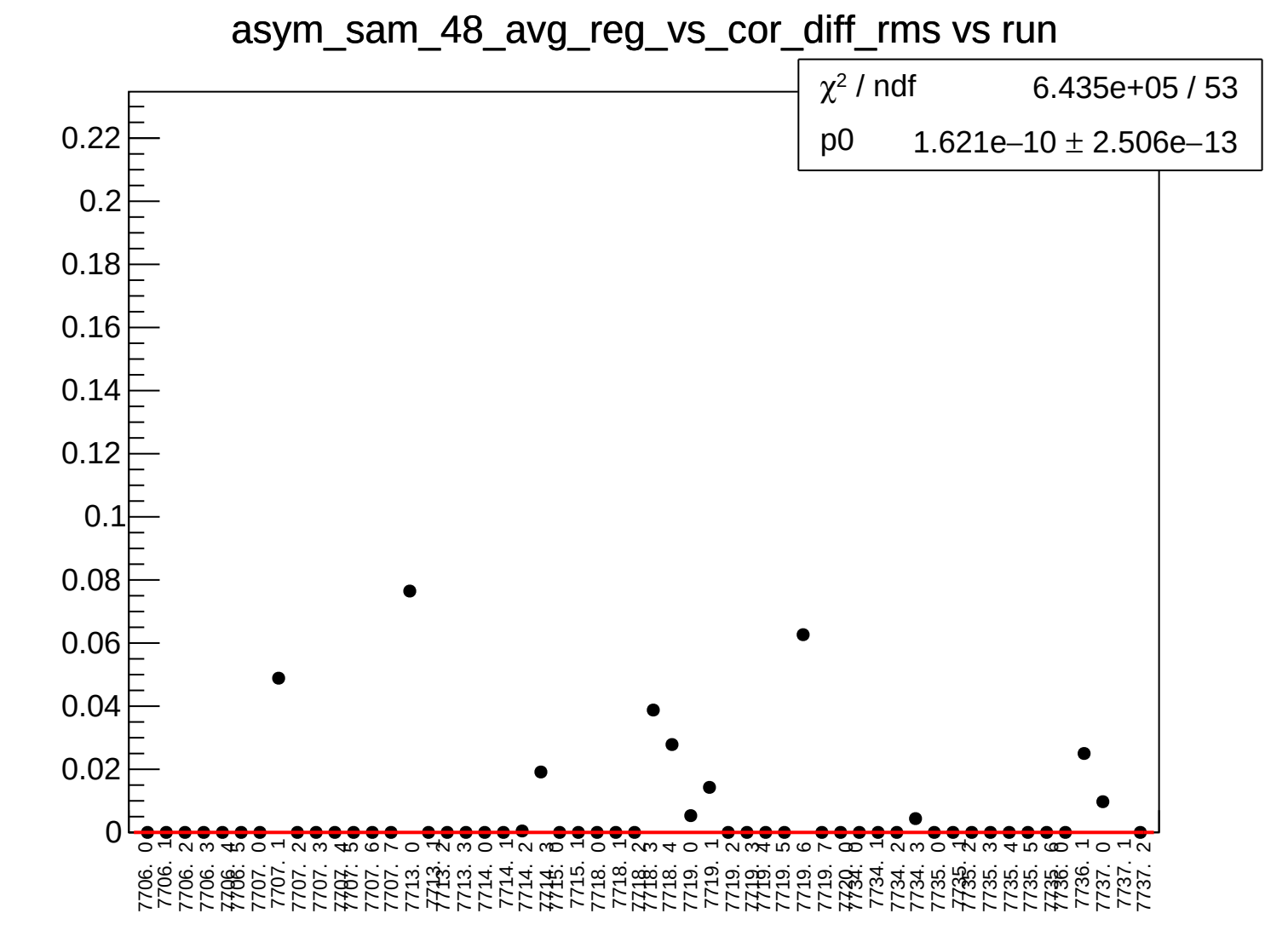

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 38.23 / 53
p0 −1679 ± 3840
150
100
50
0
−50
−100
pull
Entries 54
Mean 635.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

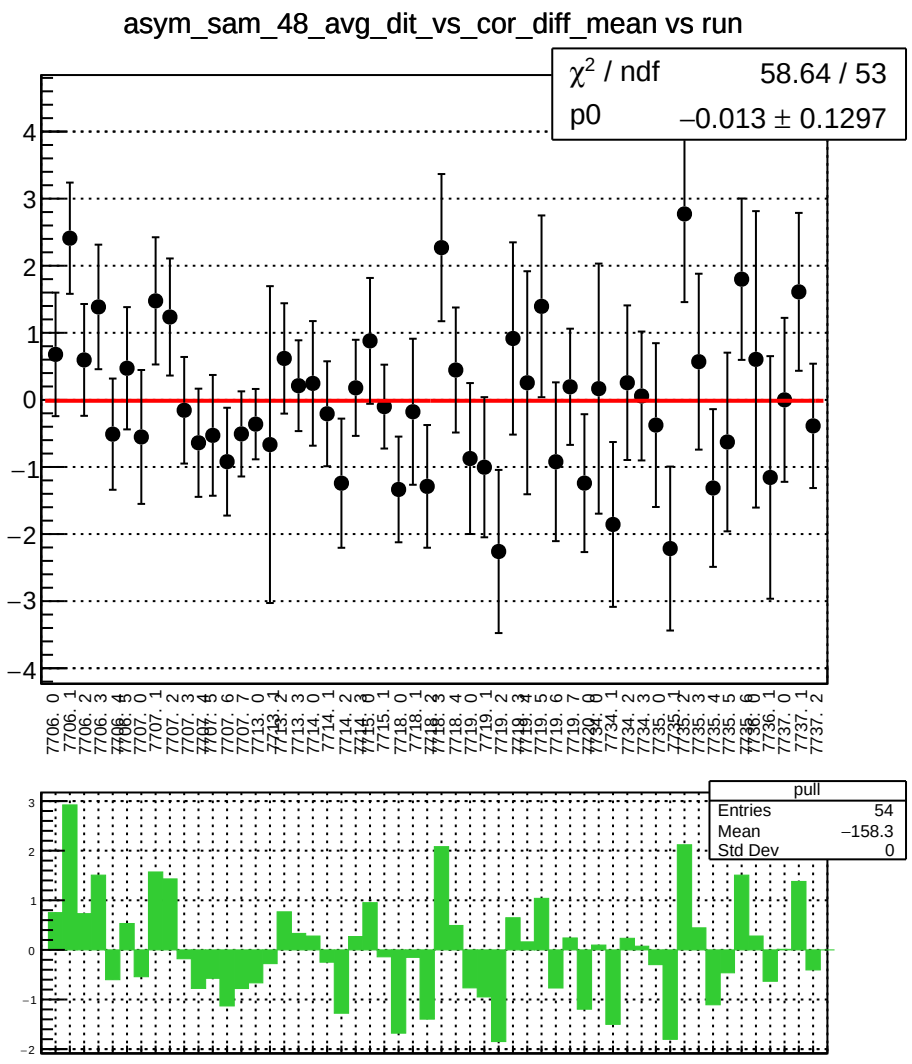

pull1D
Entries 54
Mean 0.008398
Std Dev 0.8414
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

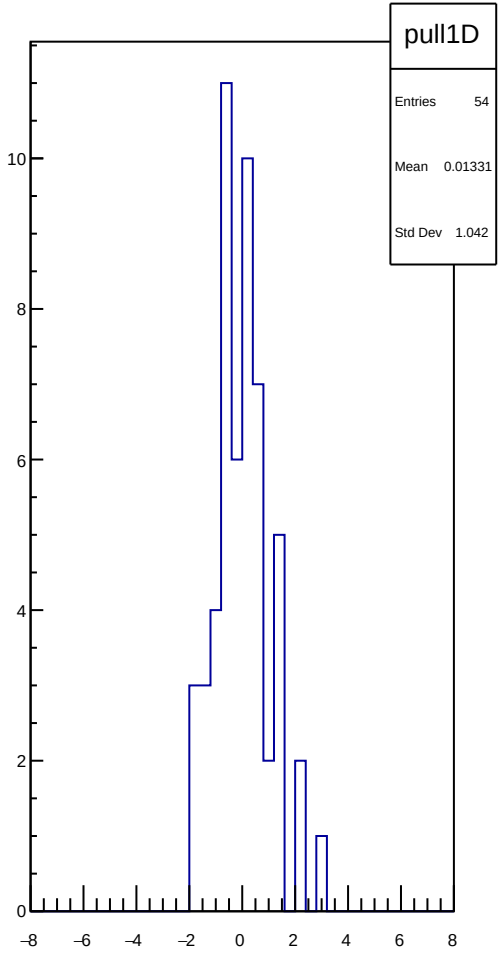

asym_sam_48_avg_rms vs run
χ² / ndf 3.195e+04 / 53
p0 2755 ± 2.715
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

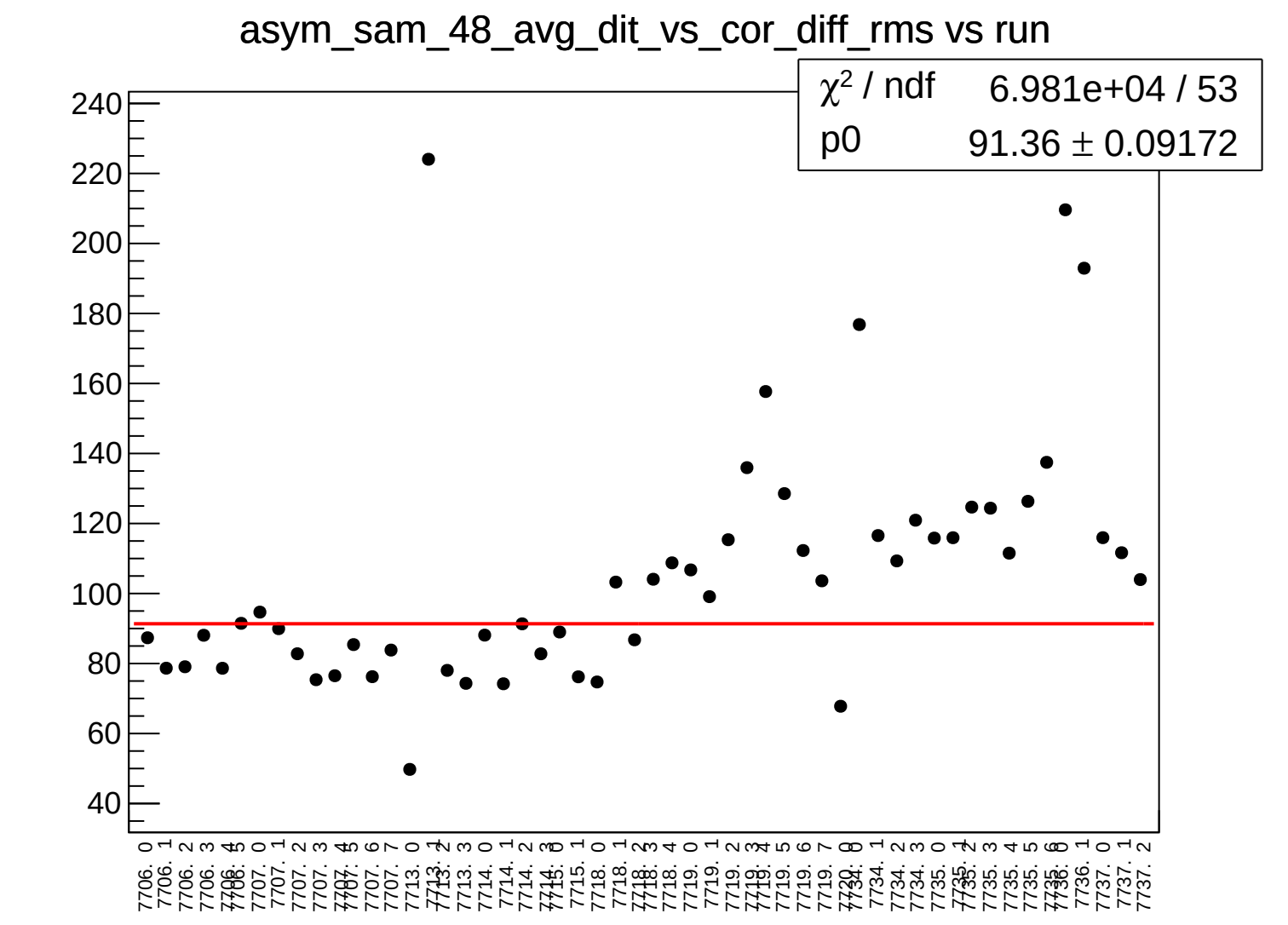

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.18 / 53
p0 −4.498e−13 ± 3.543e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean 29.45
Std Dev 24.56

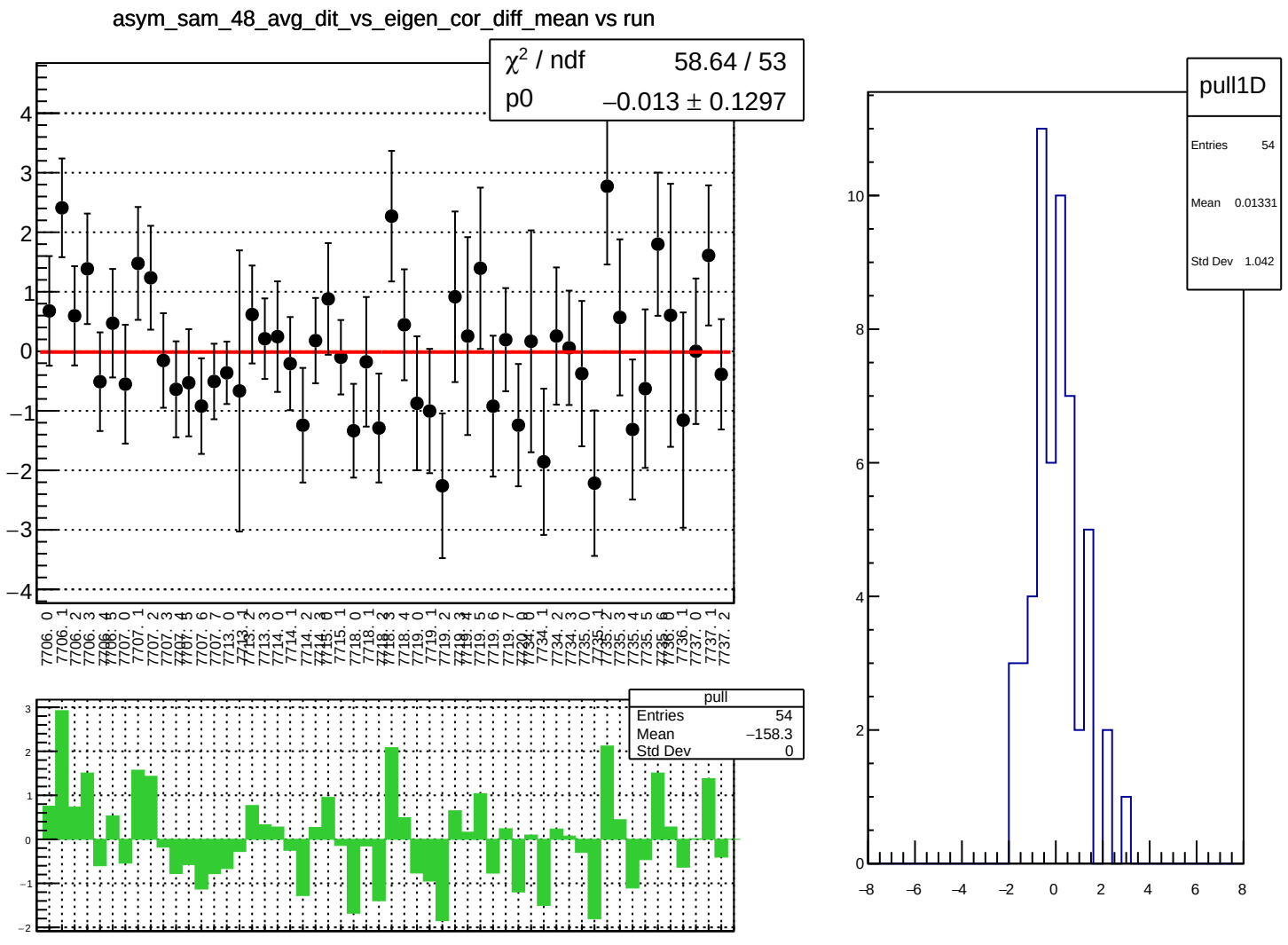

pull1D
Entries 54
Mean −0.1158
Std Dev 1.023

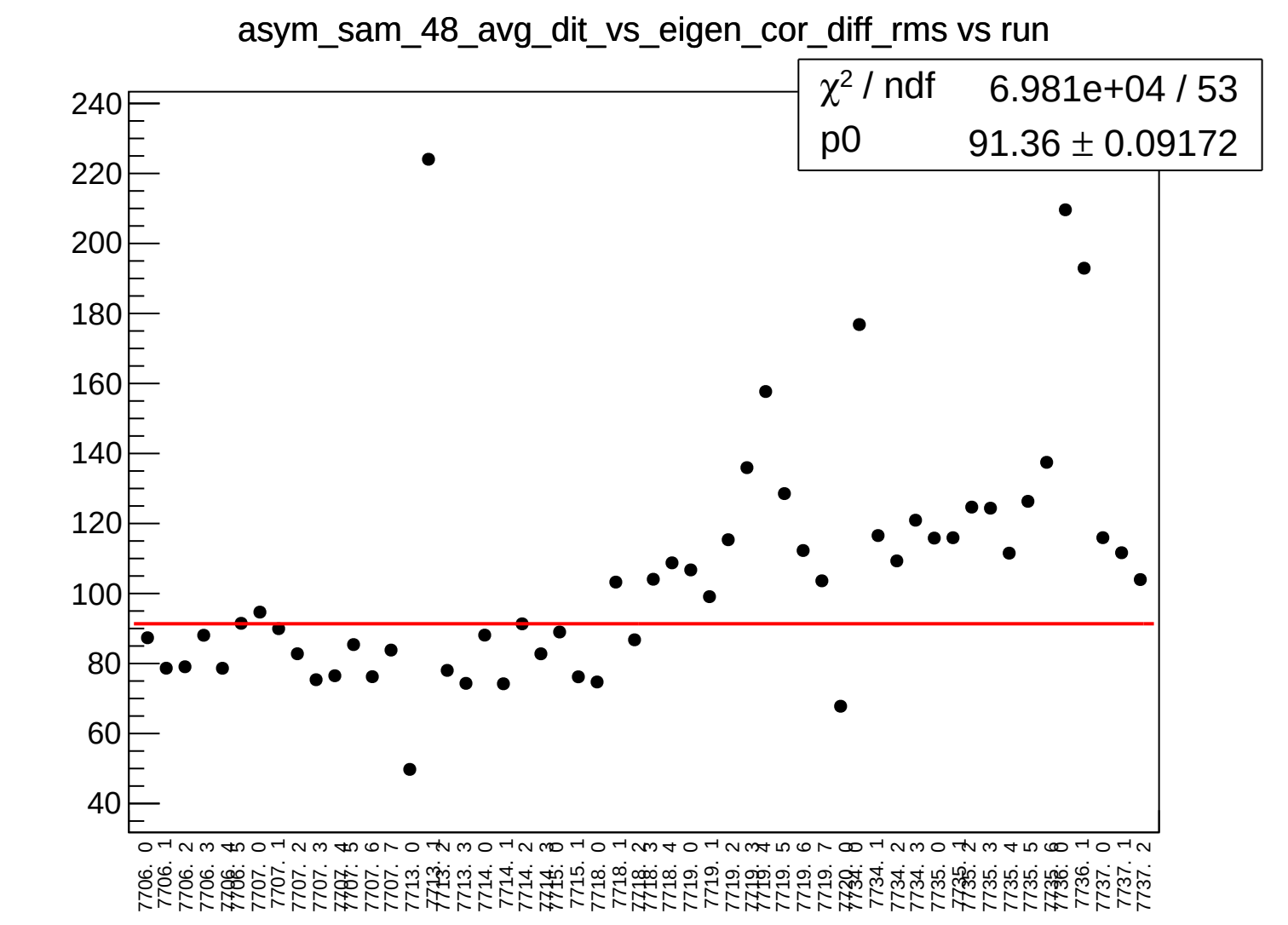

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.435e+05 / 53
p0 1.621e−10 ± 2.506e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

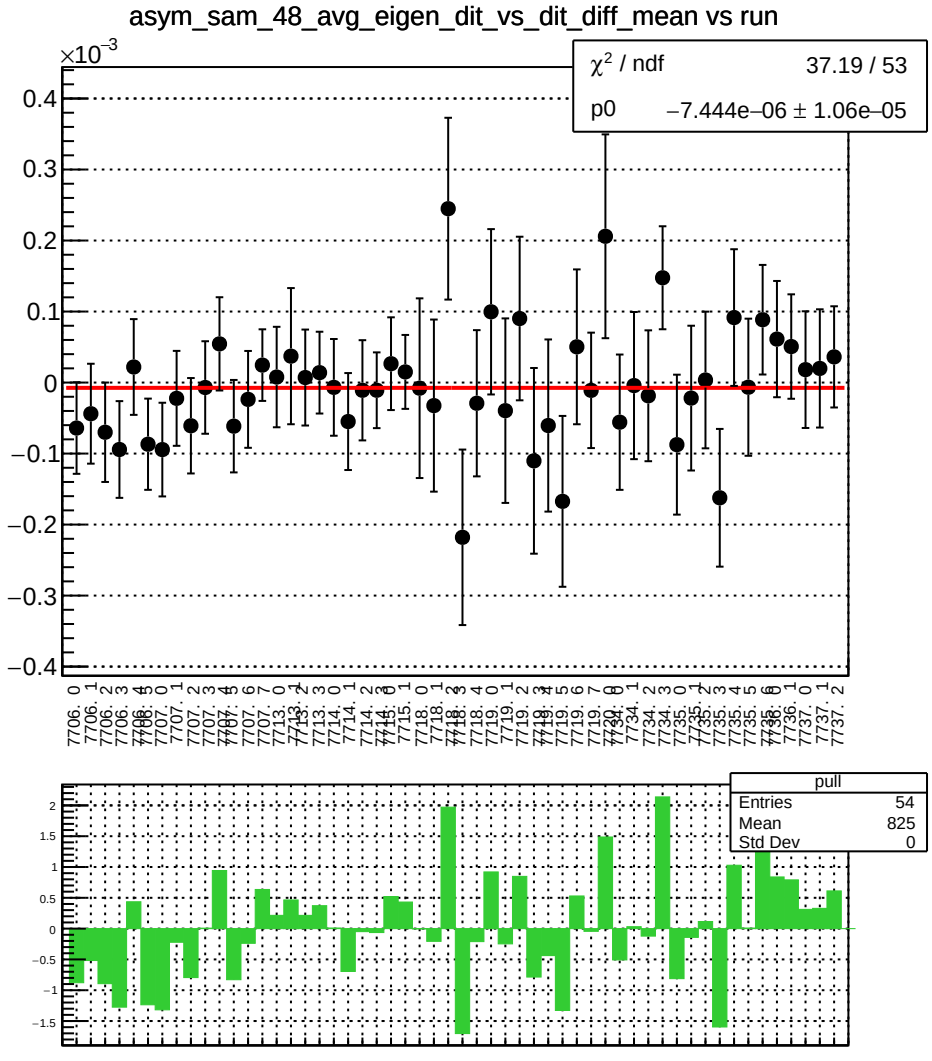

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.64 / 53
p0 −0.013 ± 0.1297
pull
Entries 54
Mean −158.3
Std Dev 0

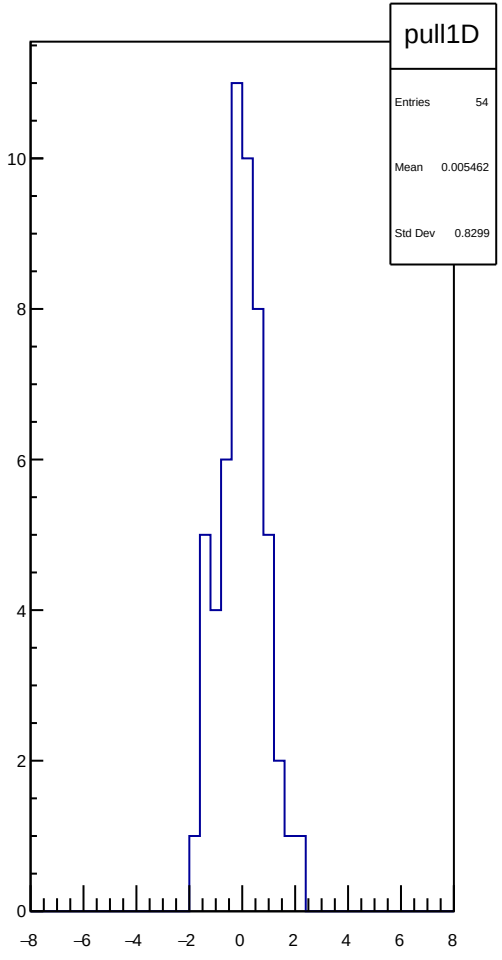

pull1D
Entries 54
Mean 0.01331
Std Dev 1.042

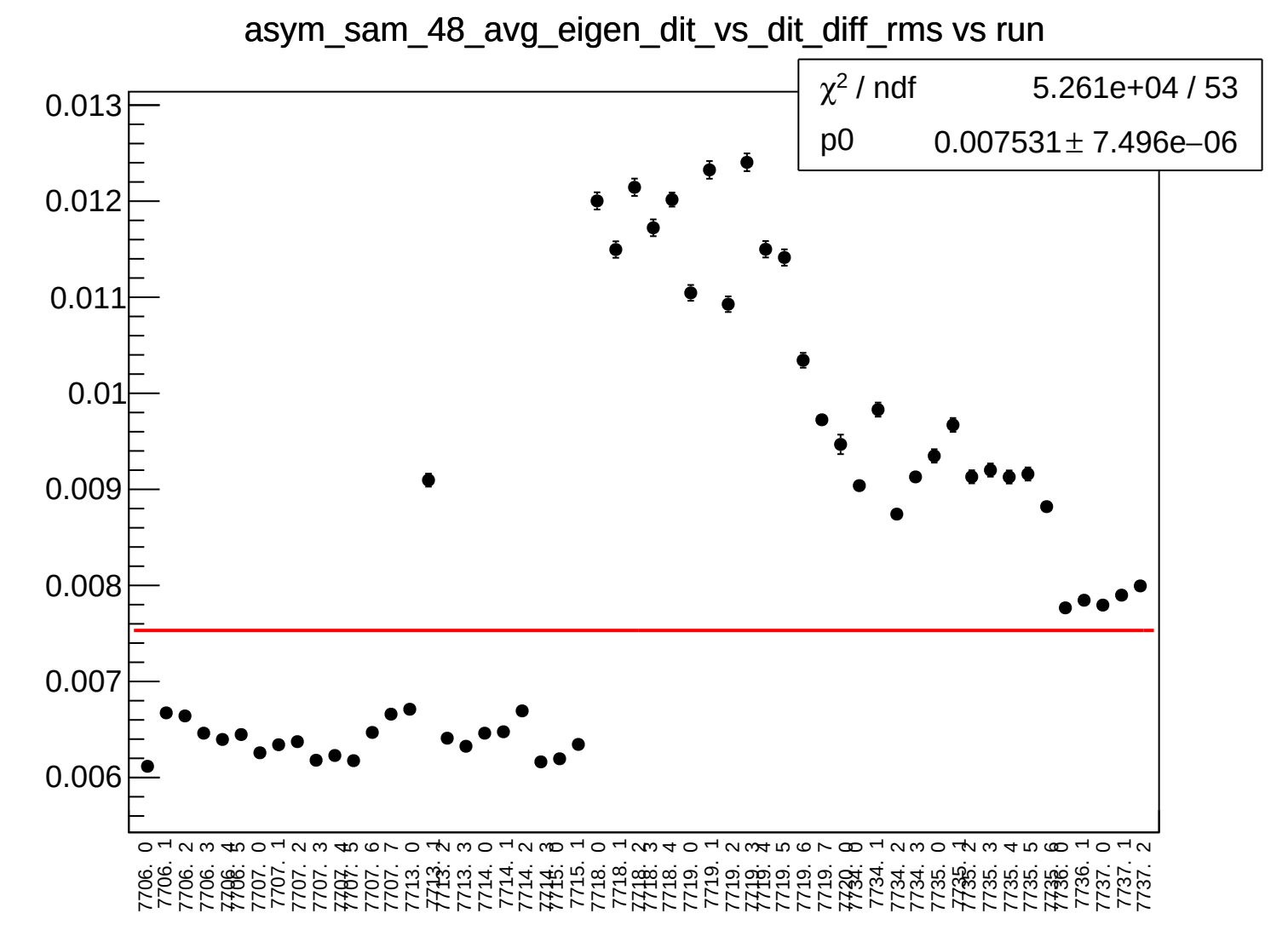

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.981e+04 / 53
p0 91.36 ± 0.09172
240
220
200
180
160
140
120
100
80
60
40


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.64 / 53
p0 −0.013 ± 0.1297
pull
Entries 54
Mean −158.3
Std Dev 0
pull1D
Entries 54
Mean 0.01331
Std Dev 1.042

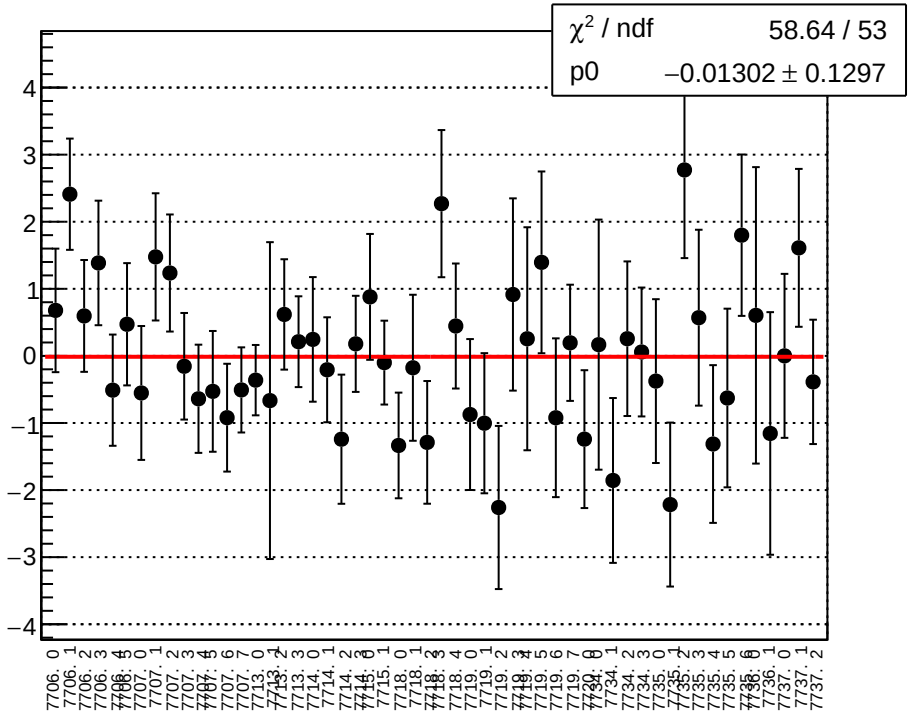

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.981e+04 / 53
p0 91.36 ± 0.09172
240
220
200
180
160
140
120
100
80
60
40

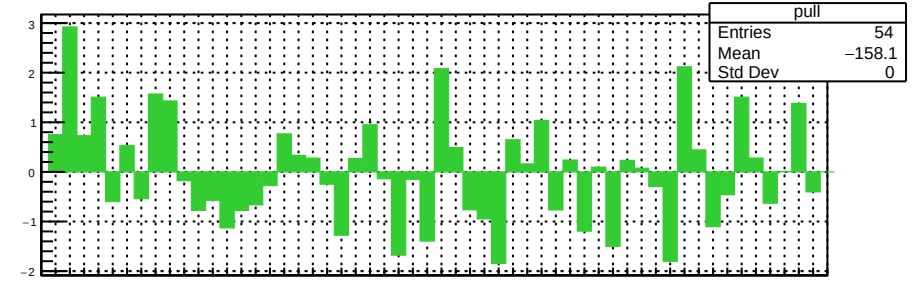

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.19 / 53
p0 −7.444e−06 ± 1.06e−05
pull
Entries 54
Mean 825
Std Dev 0

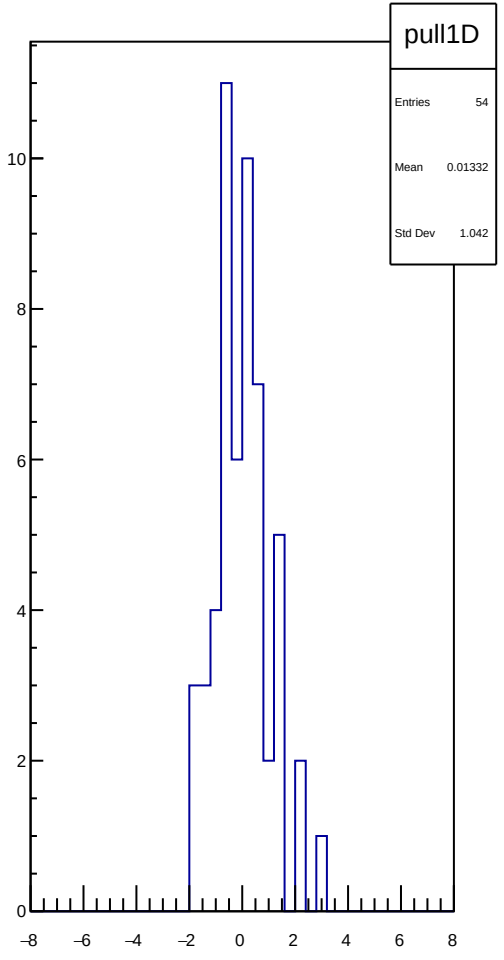

pull1D
Entries 54
Mean 0.005462
Std Dev 0.8299

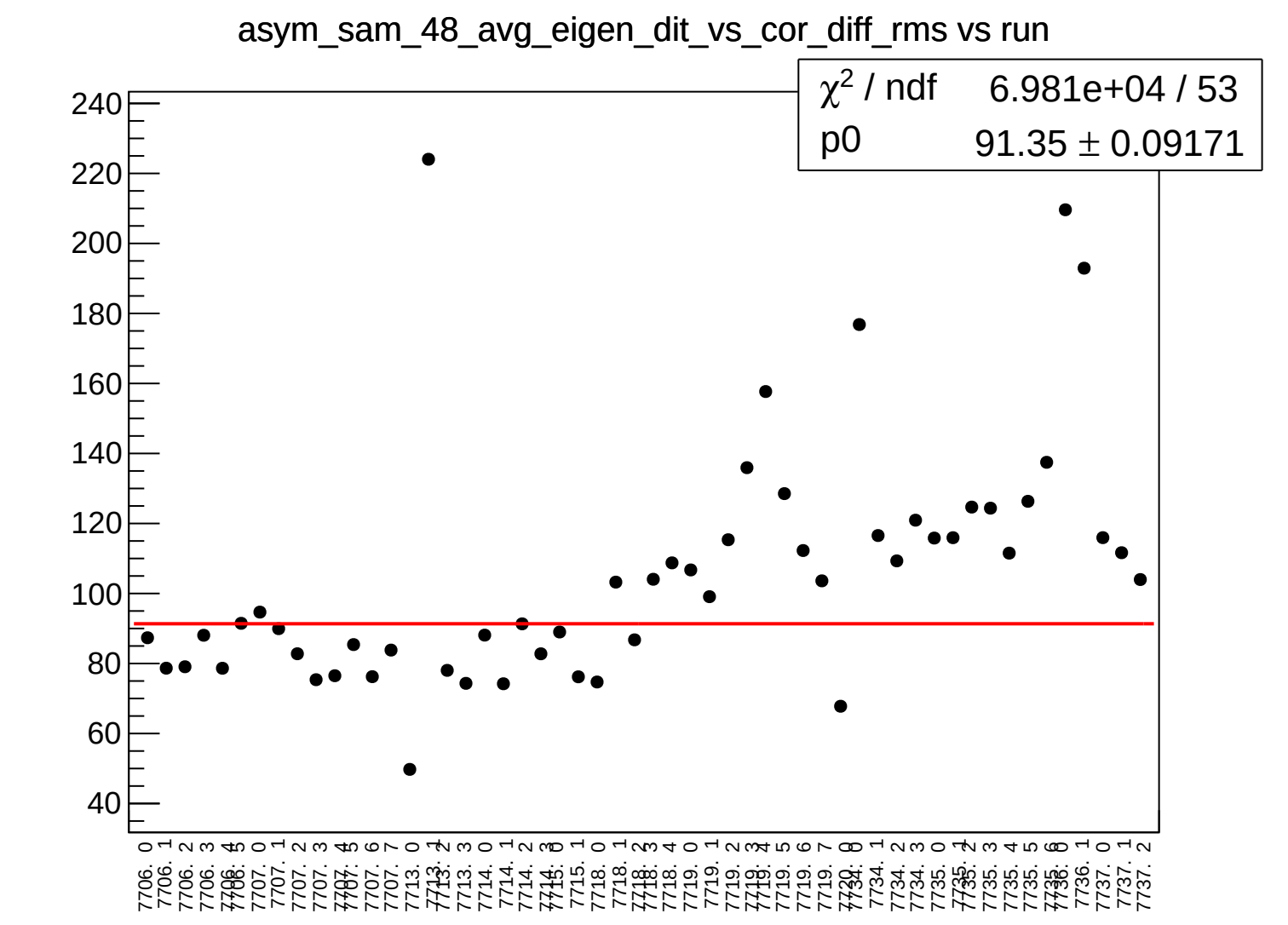

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.261e+04 / 53
p0 0.007531 ± 7.496e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

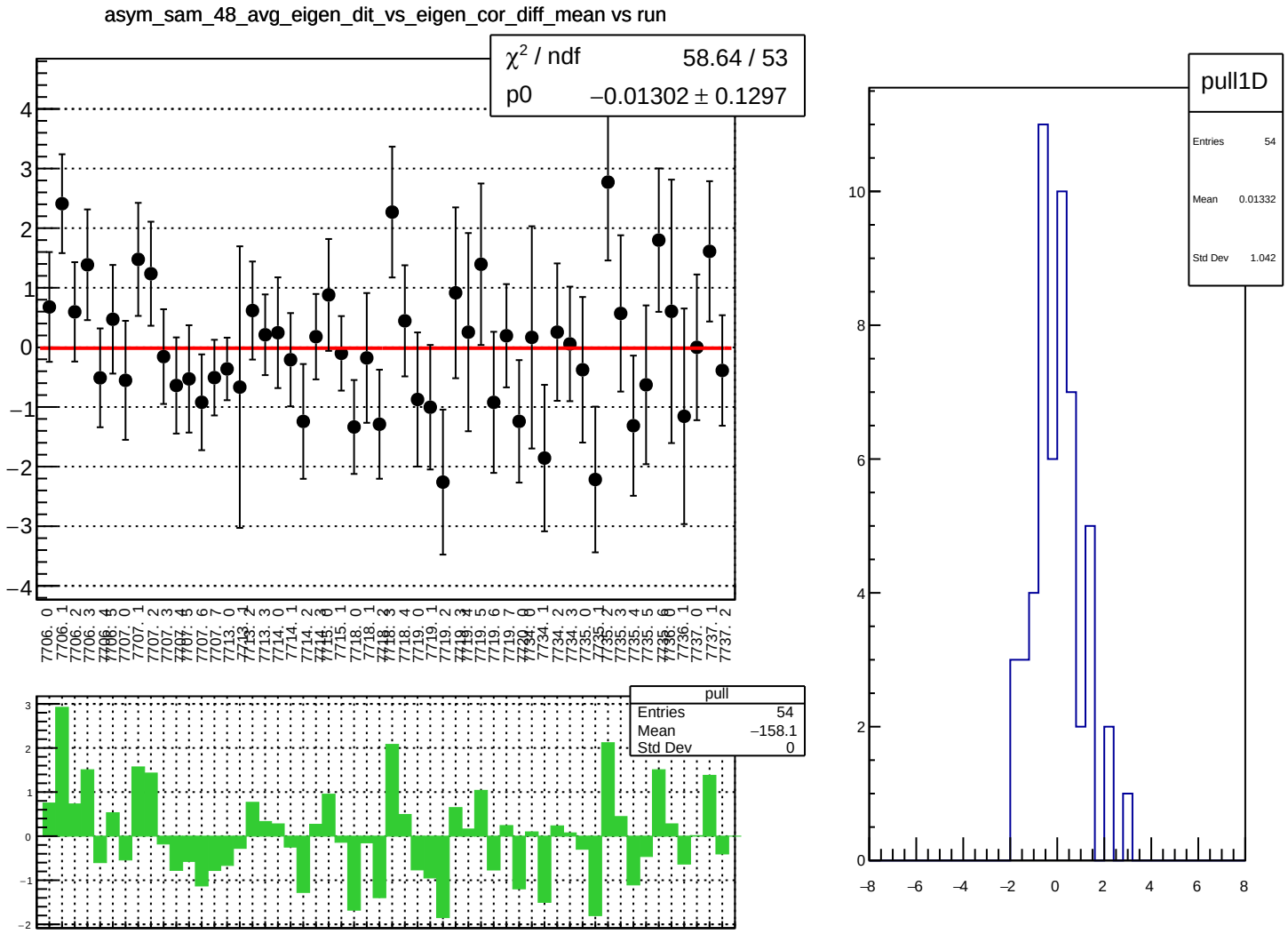
asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run

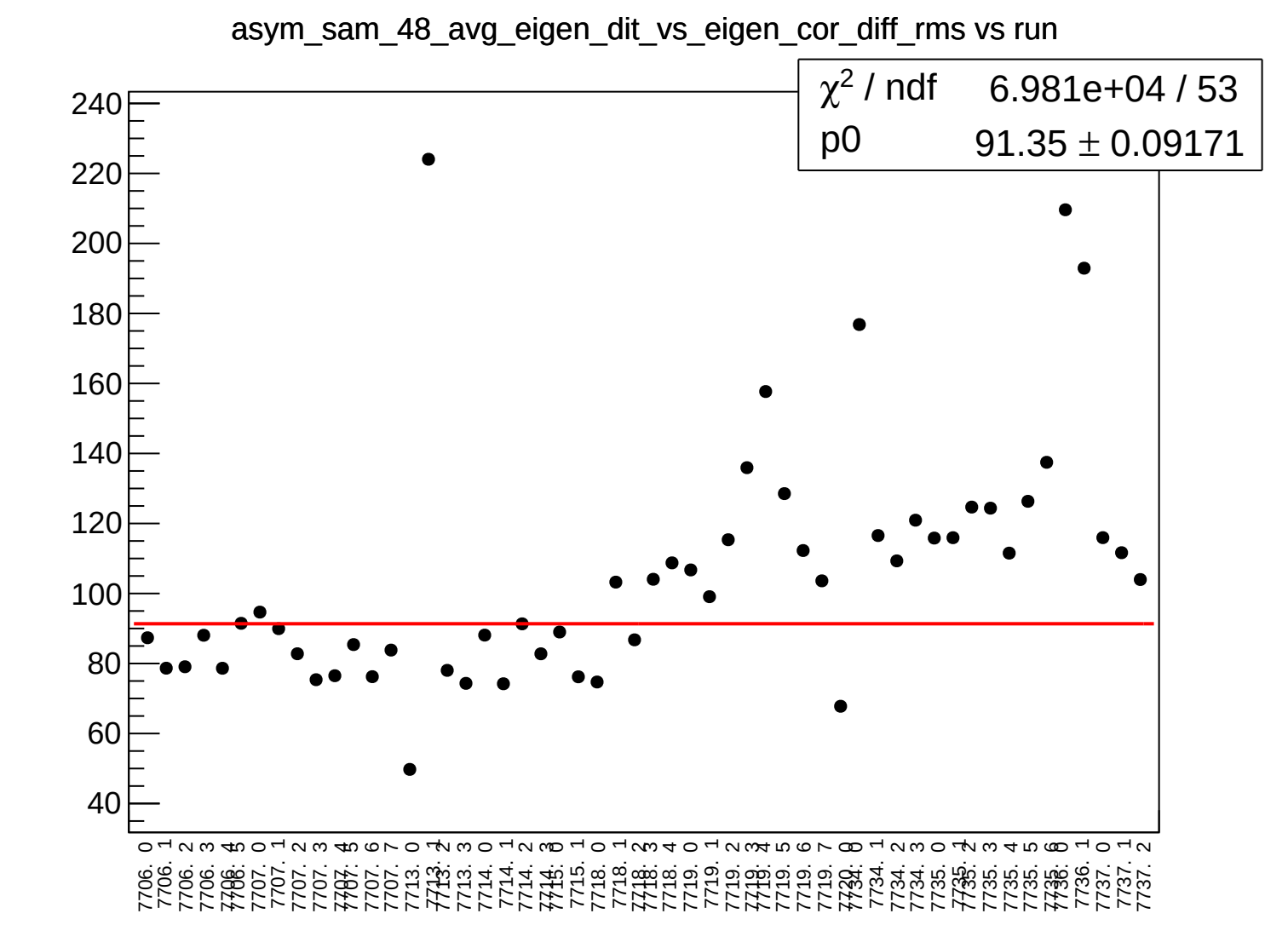


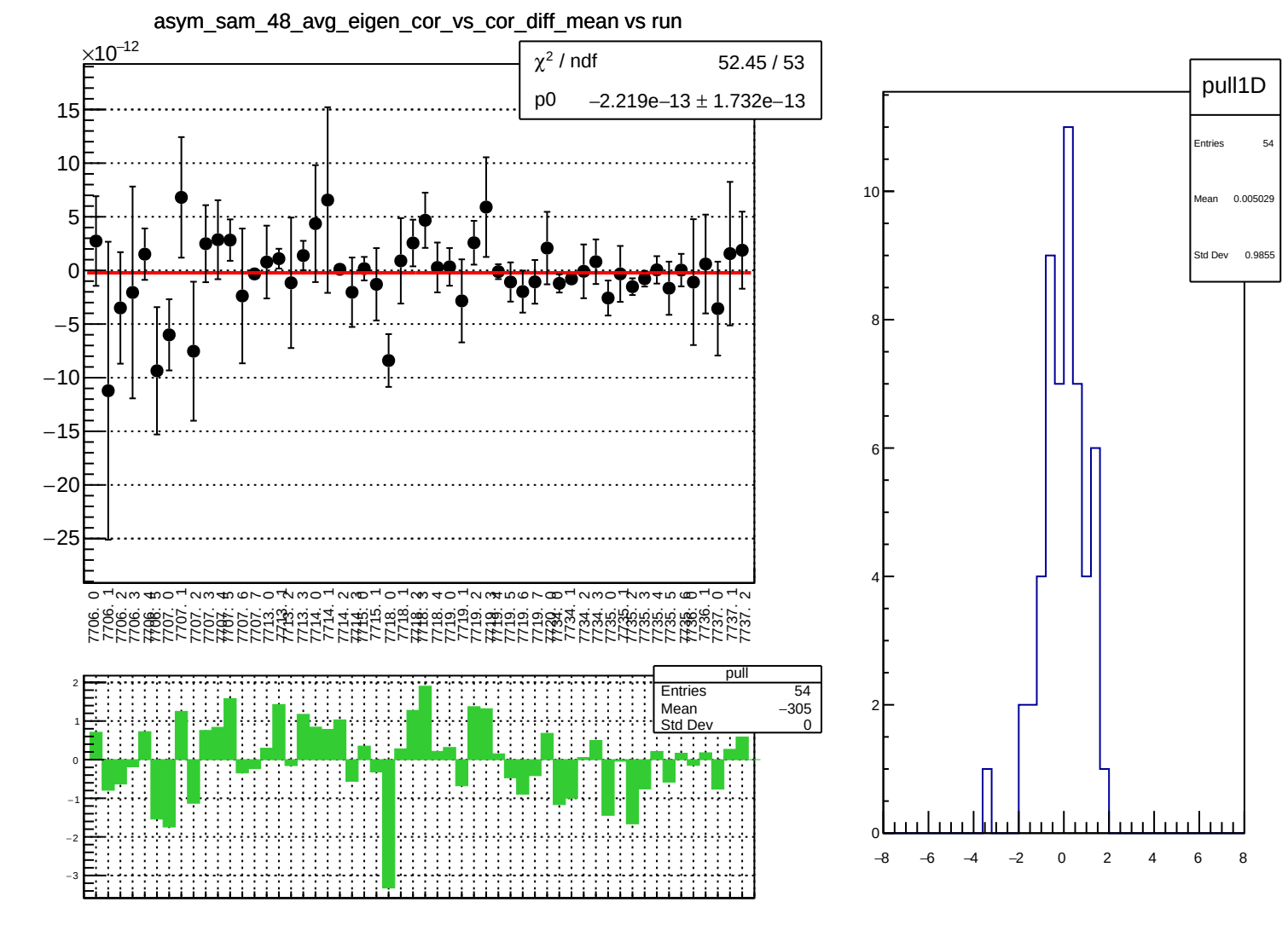


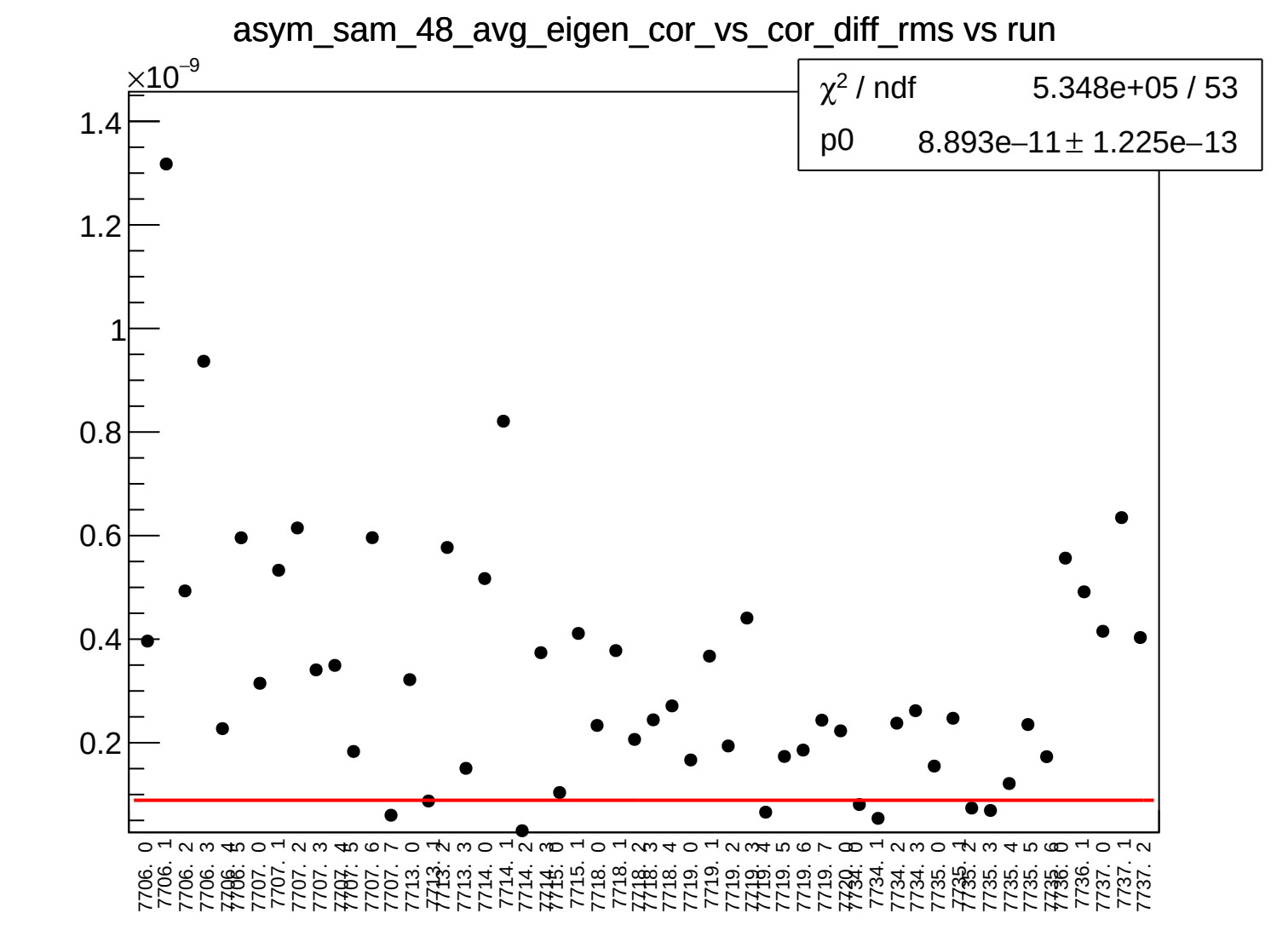


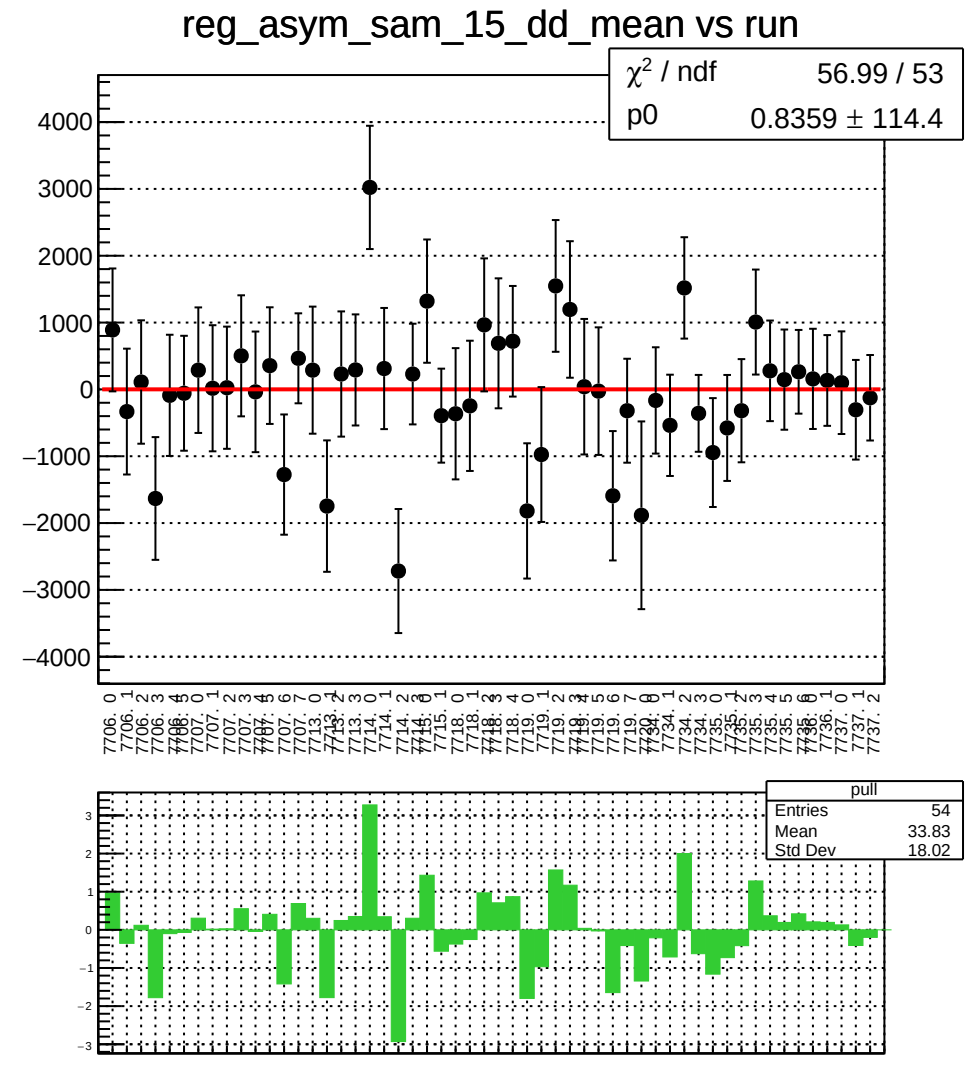

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.981e+04 / 53
p0 91.35 ± 0.09171
240
220
200
180
160
140
120
100
80
60
40

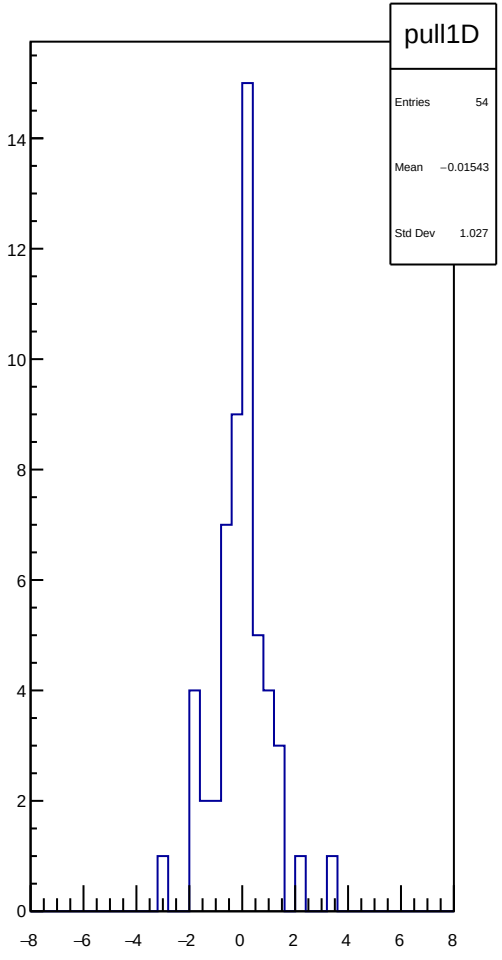

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.64 / 53
p0 −0.01302 ± 0.1297
pull
Entries 54
Mean −158.1
Std Dev 0
pull1D
Entries 54
Mean 0.01332
Std Dev 1.042

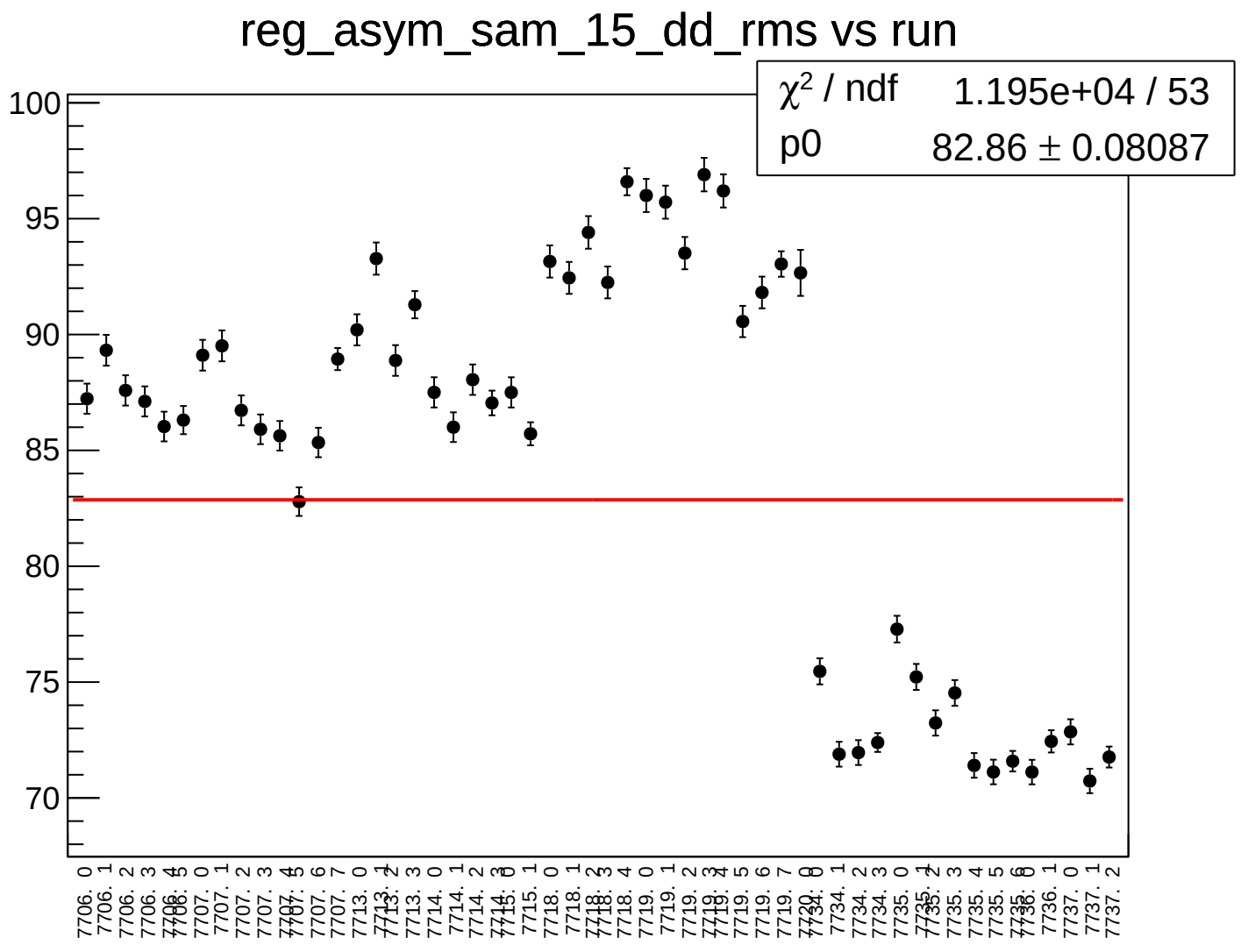

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.981e+04 / 53
p0 91.35 ± 0.09171
240
220
200
180
160
140
120
100
80
60
40

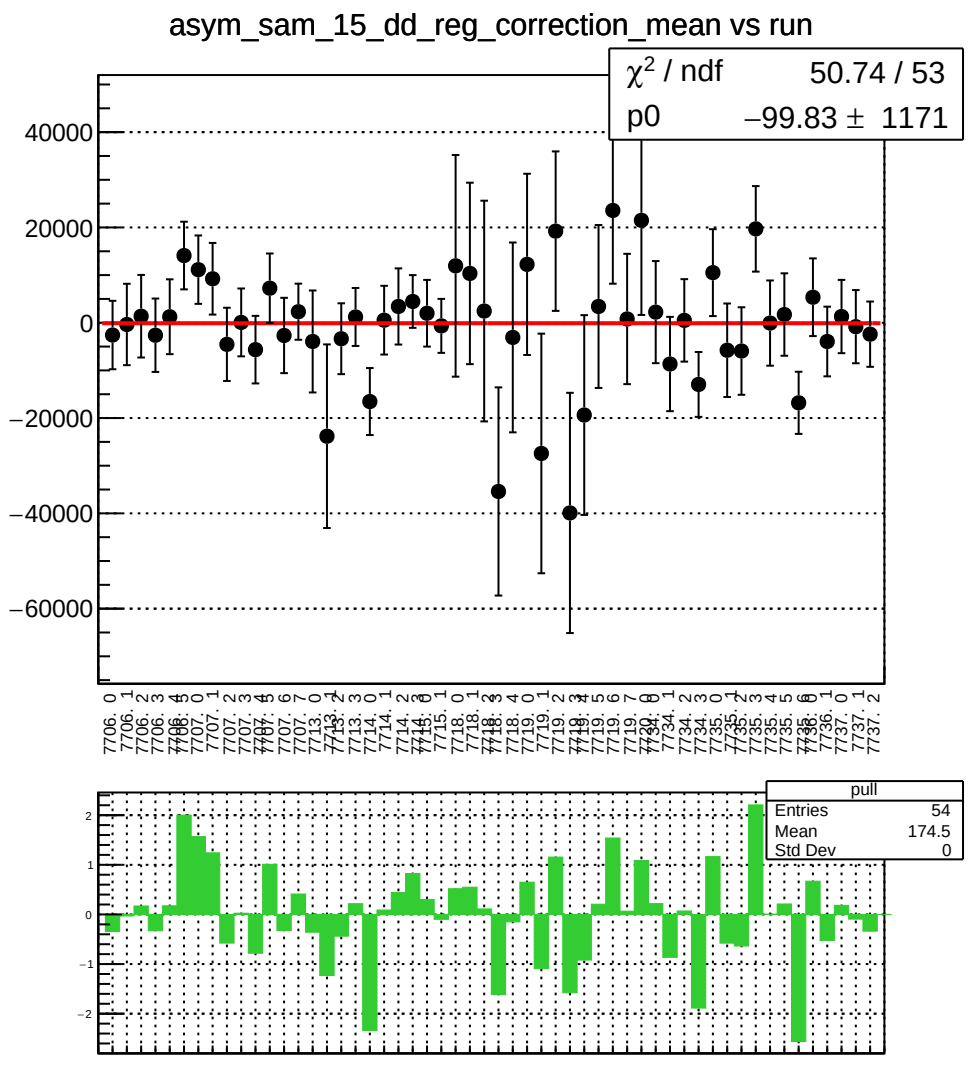

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.45 / 53
p0 −2.219e−13 ± 1.732e−13
pull
Entries 54
Mean −305
Std Dev 0
pull1D
Entries 54
Mean 0.005029
Std Dev 0.9855

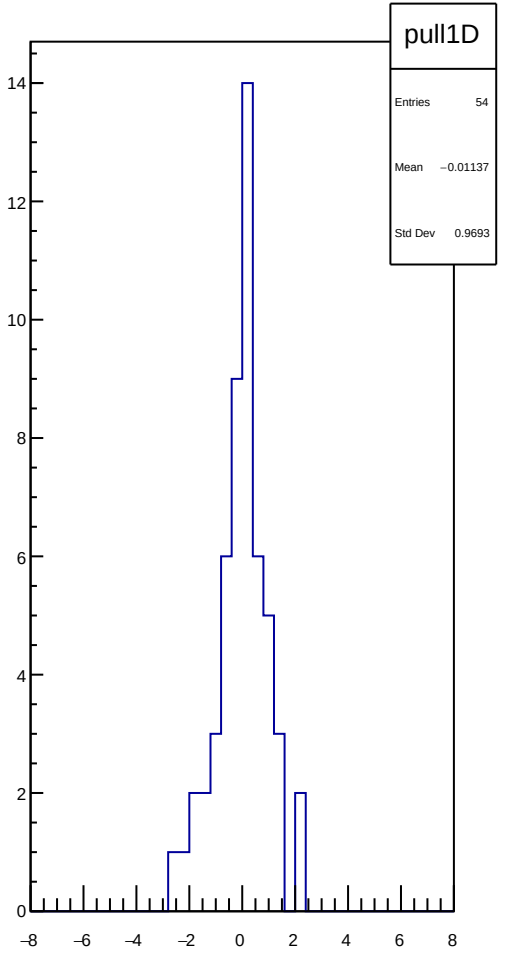

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.348e+05 / 53
p0 8.893e−11 ± 1.225e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

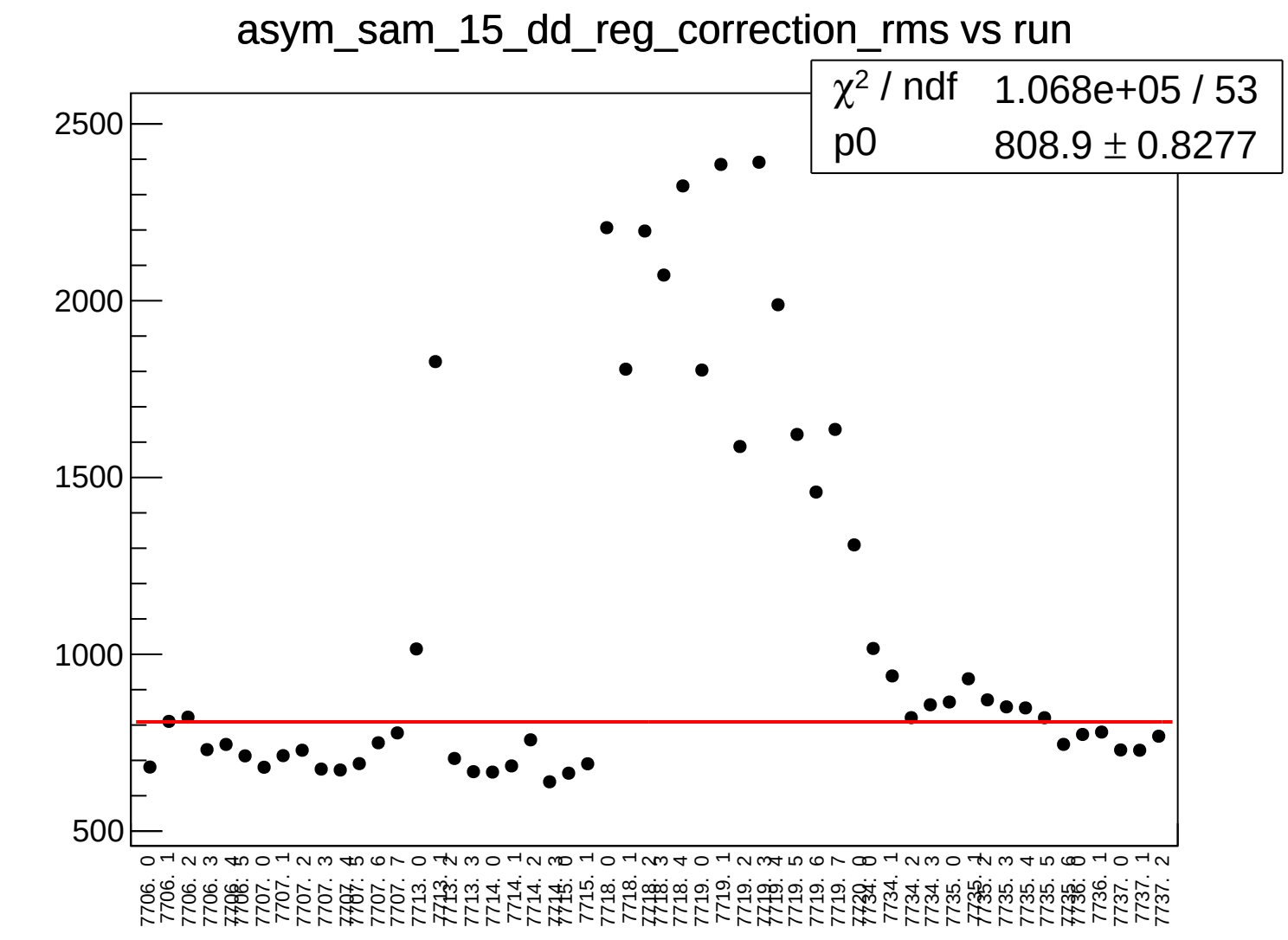

reg_asym_sam_15_dd_mean vs run
χ² / ndf 56.99 / 53
p0 0.8359 ± 114.4
pull
Entries 54
Mean 33.83
Std Dev 18.02

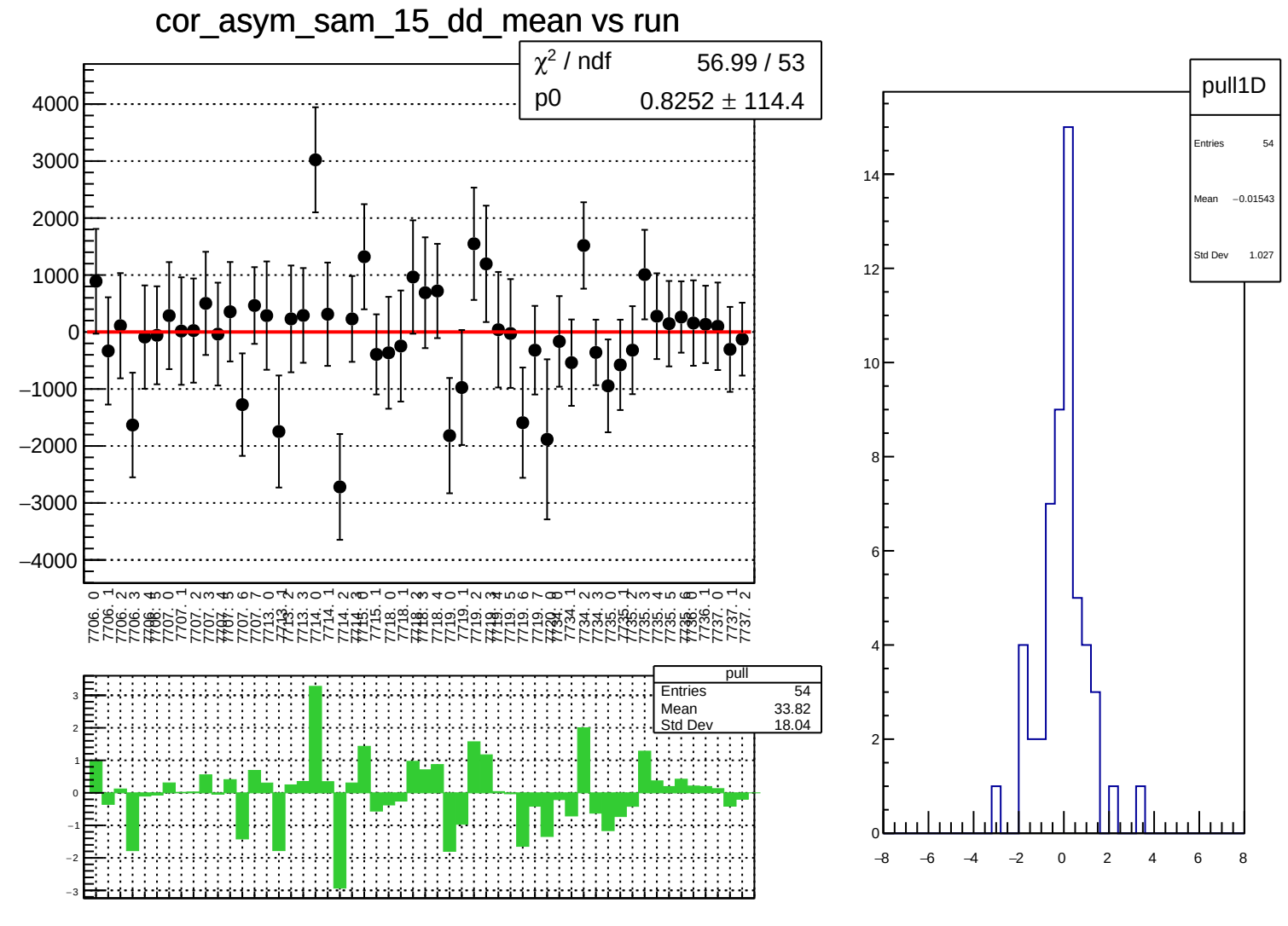

pull1D
Entries 54
Mean −0.01543
Std Dev 1.027

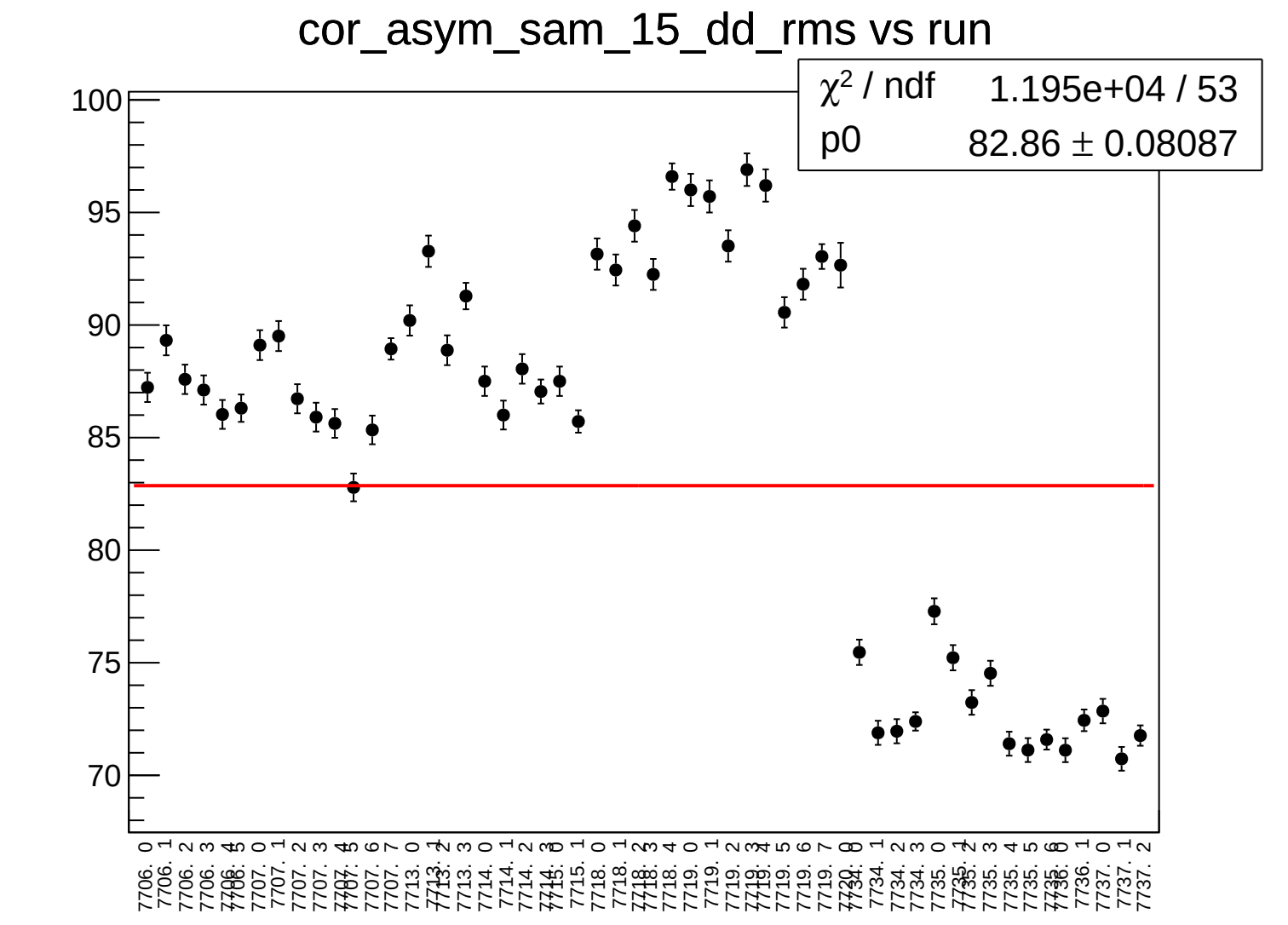

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 1.195e+04 / 53
p0 82.86 ± 0.08087
100
95
90
85
80
75
70

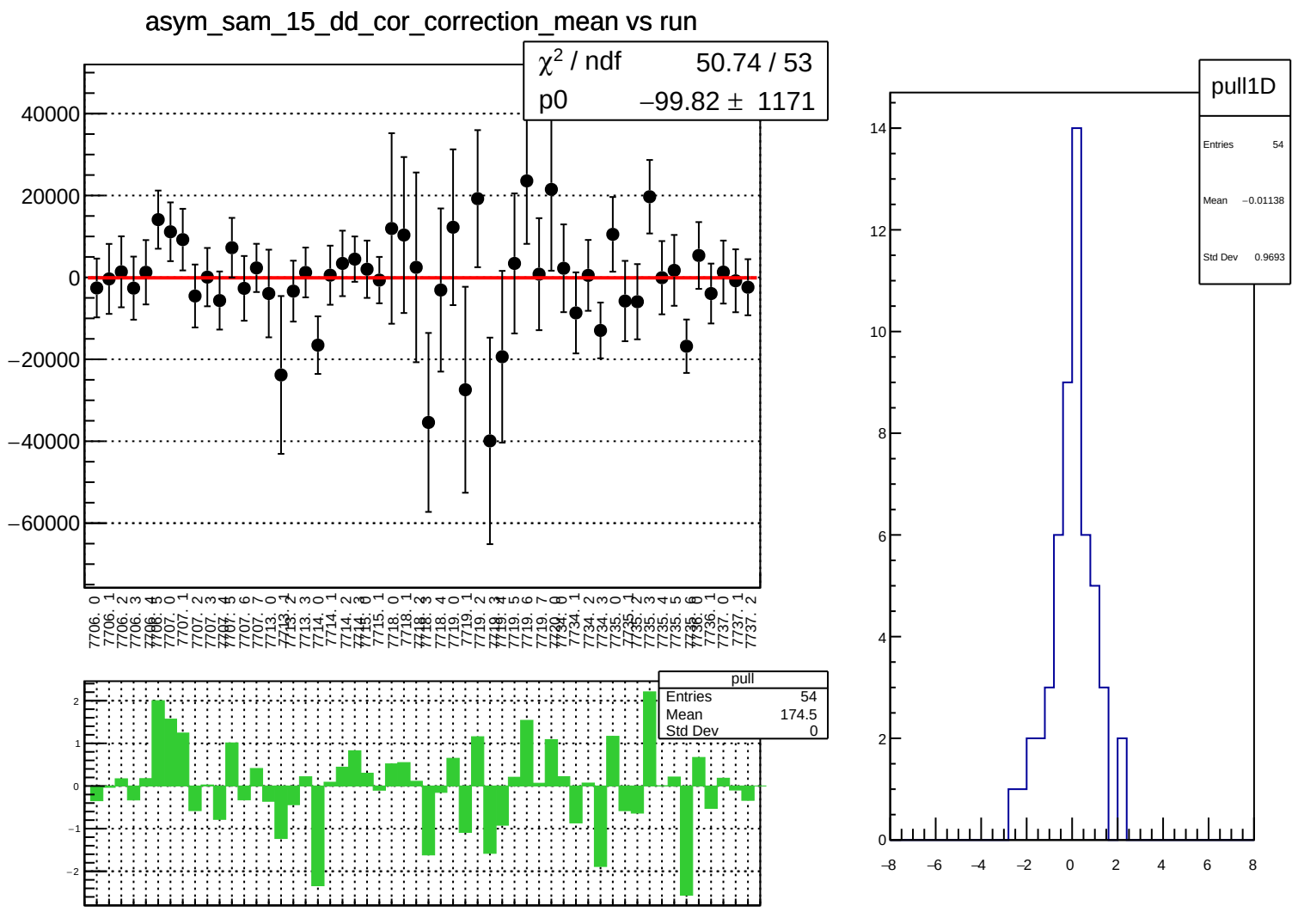

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 50.74 / 53
p0 −99.83 ± 1171
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 174.5
Std Dev 0
2
1
0
−1
−2

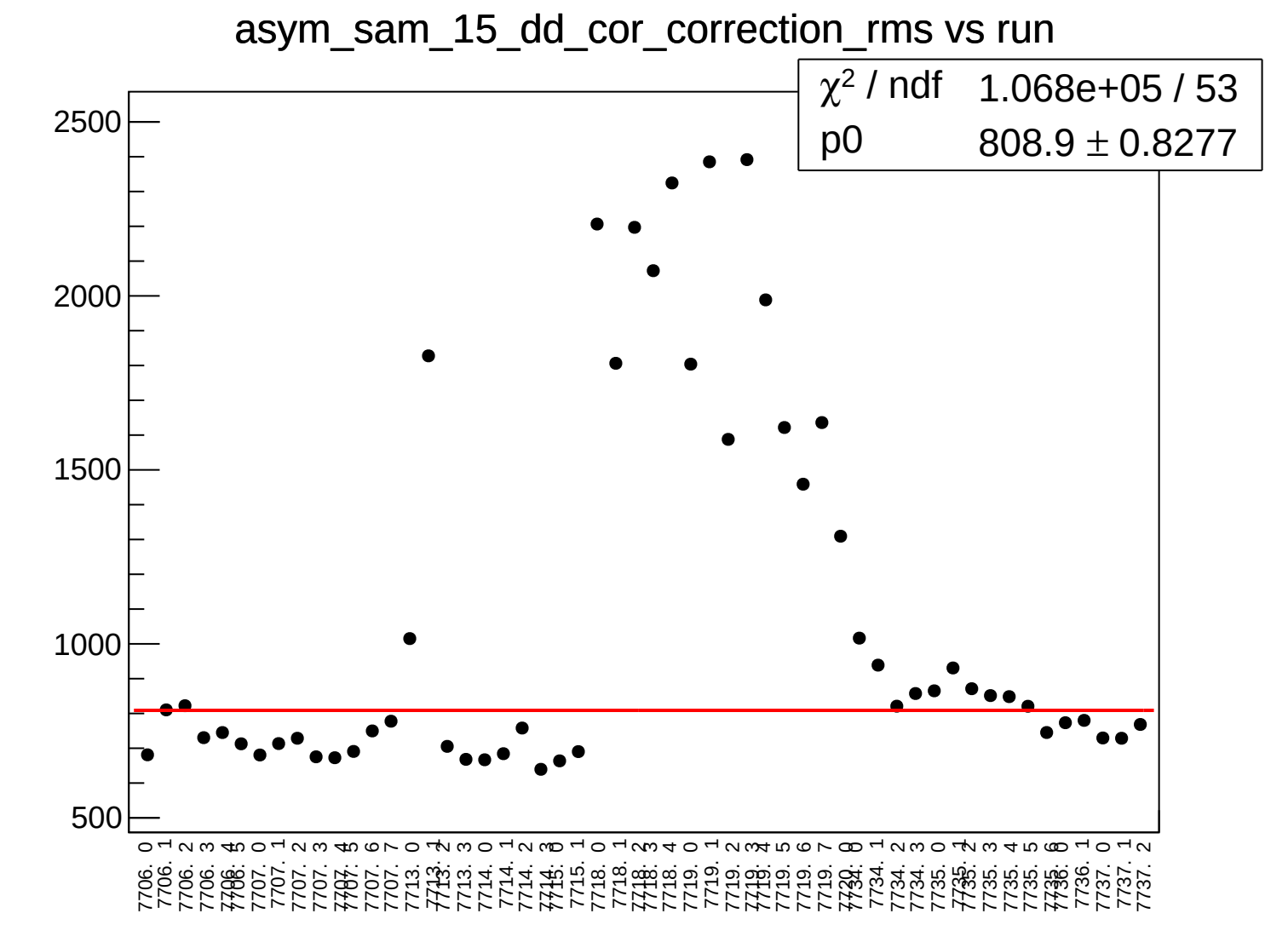

pull1D
Entries 54
Mean −0.01137
Std Dev 0.9693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

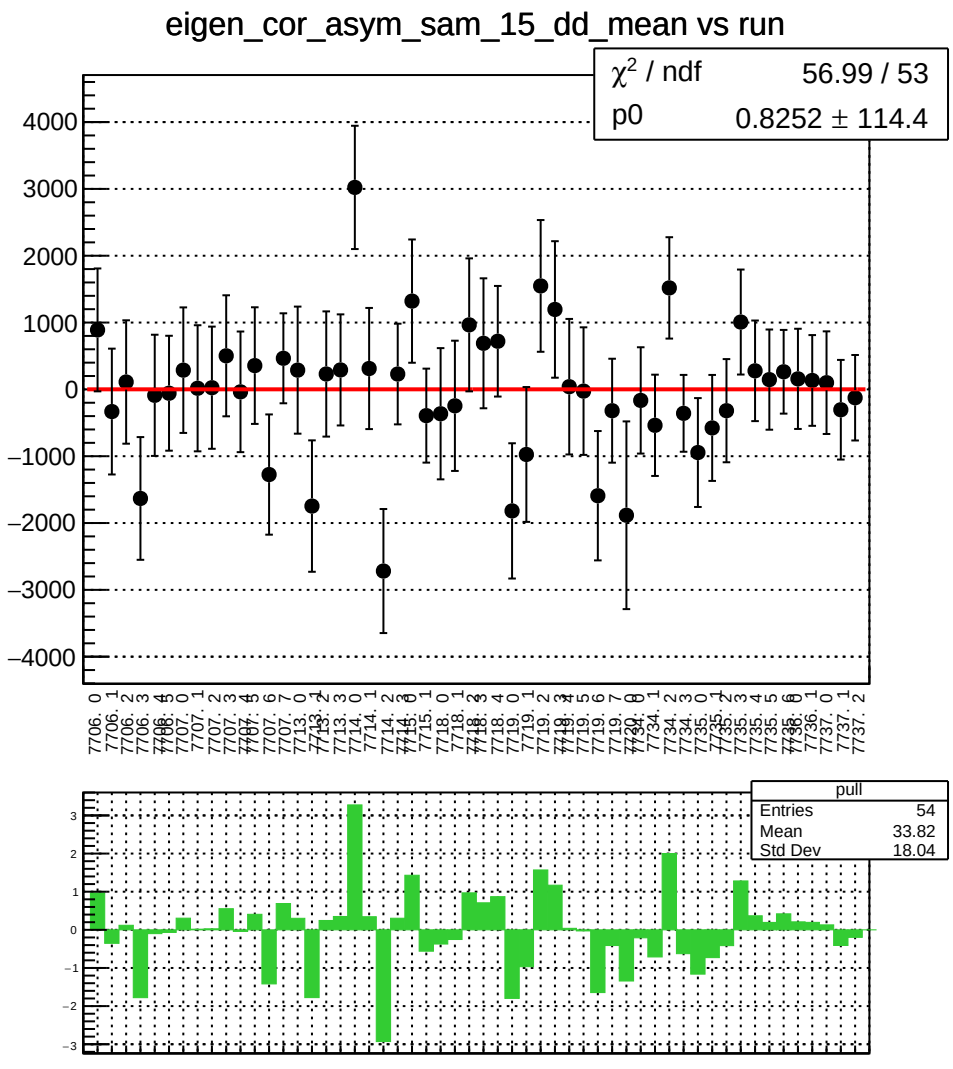

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1.068e+05 / 53
p0 808.9 ± 0.8277
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

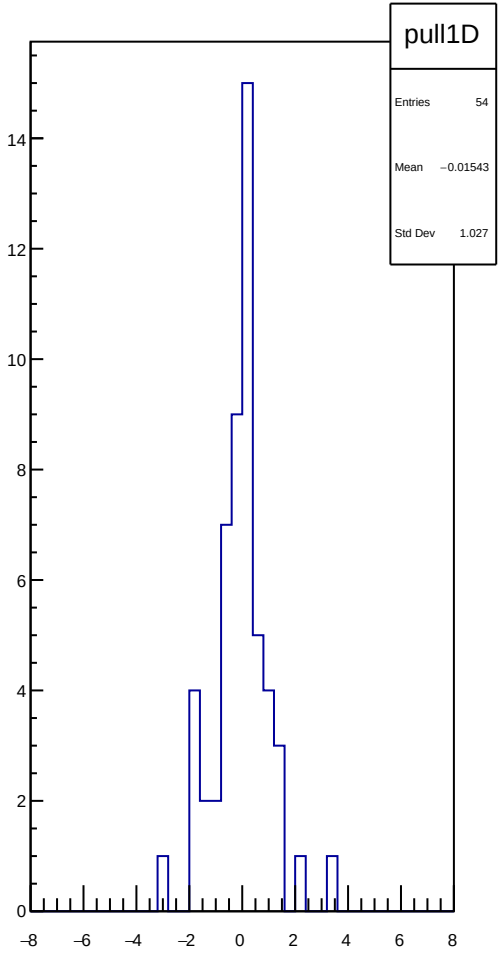

cor_asym_sam_15_dd_mean vs run
χ² / ndf 56.99 / 53
p0 0.8252 ± 114.4
pull
Entries 54
Mean 33.82
Std Dev 18.04
pull1D
Entries 54
Mean −0.01543
Std Dev 1.027

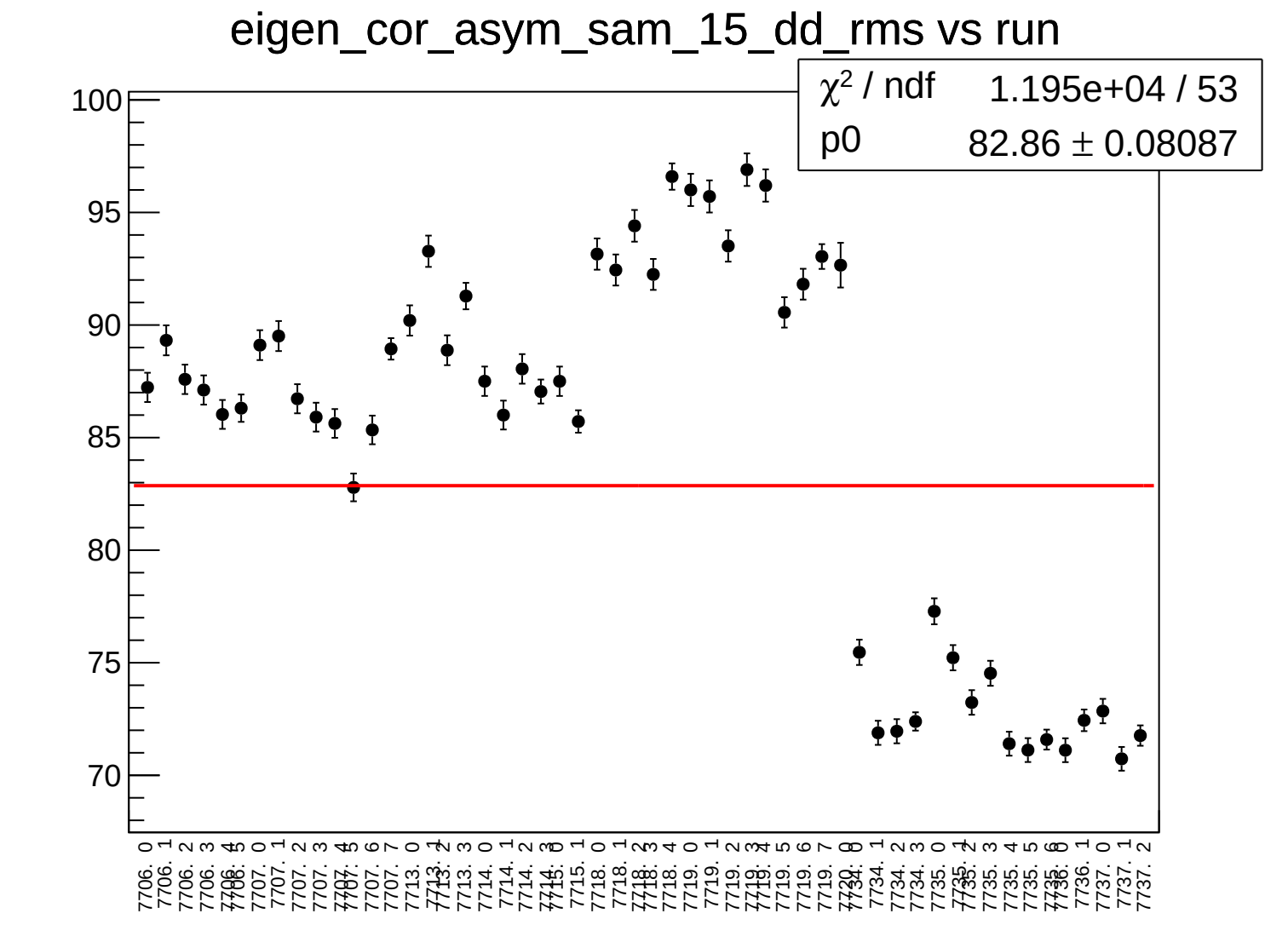

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 1.195e+04 / 53
p0 82.86 ± 0.08087
100
95
90
85
80
75
70

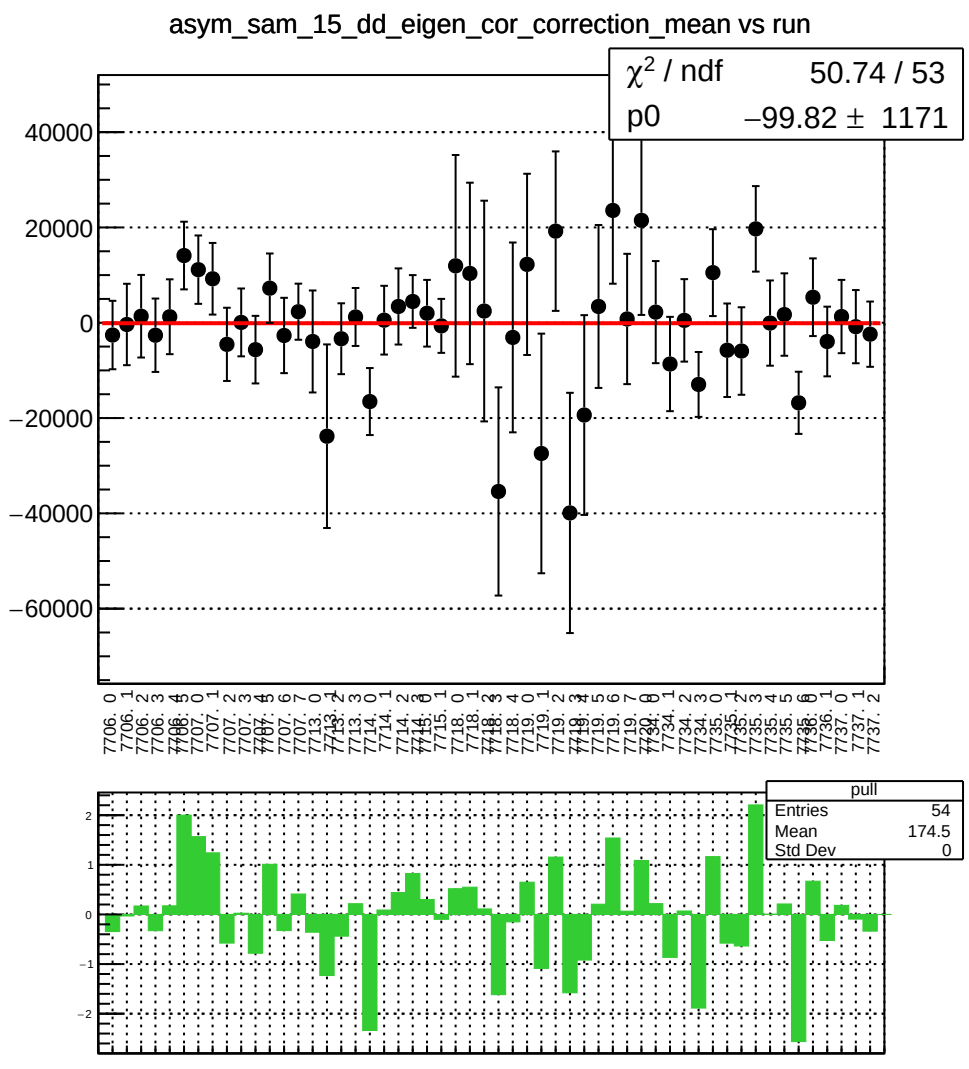

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 50.74 / 53
p0 −99.82 ± 1171
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 174.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01138
Std Dev 0.9693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

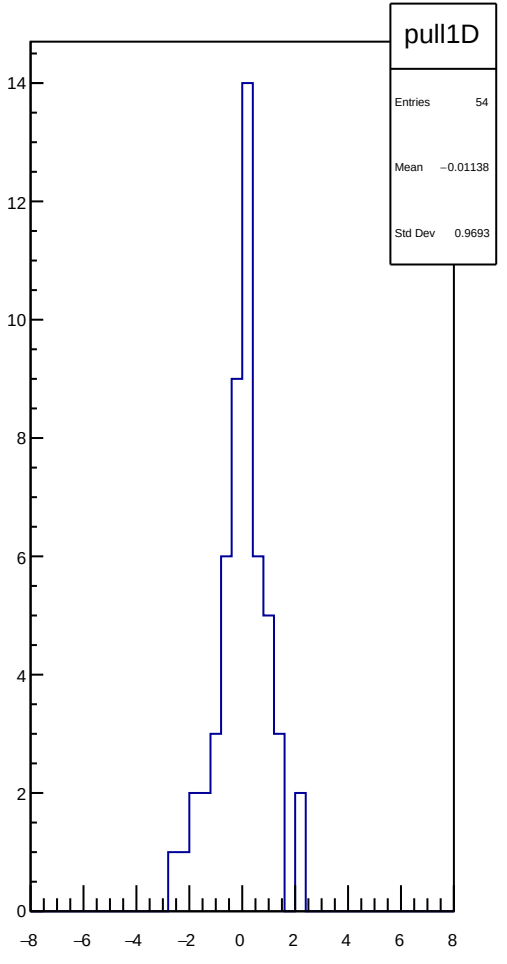

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1.068e+05 / 53
p0 808.9 ± 0.8277
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

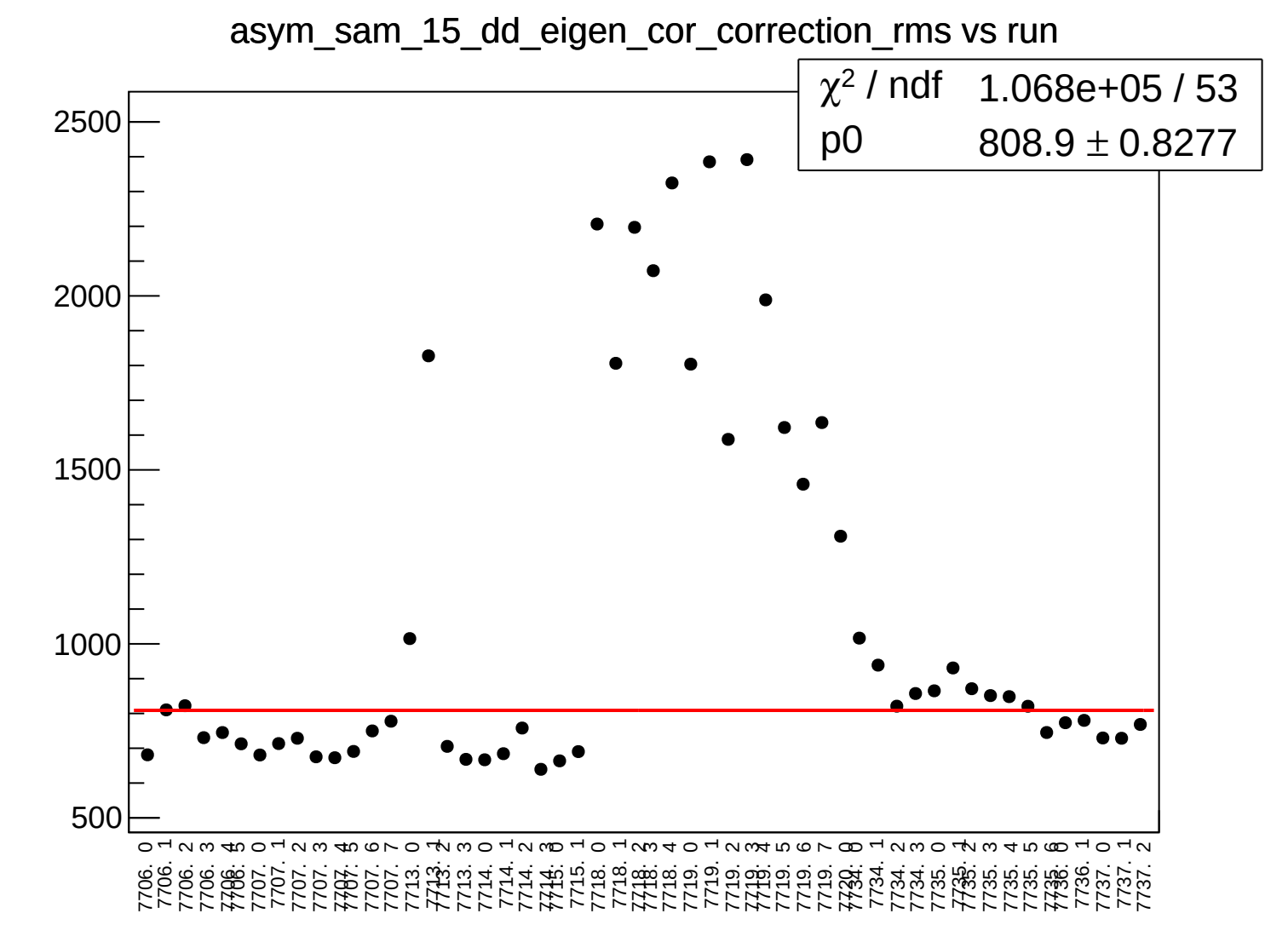

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 56.99 / 53
p0 0.8252 ± 114.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 33.82
Std Dev 18.04
3
2
1
0
−1
−2
−3

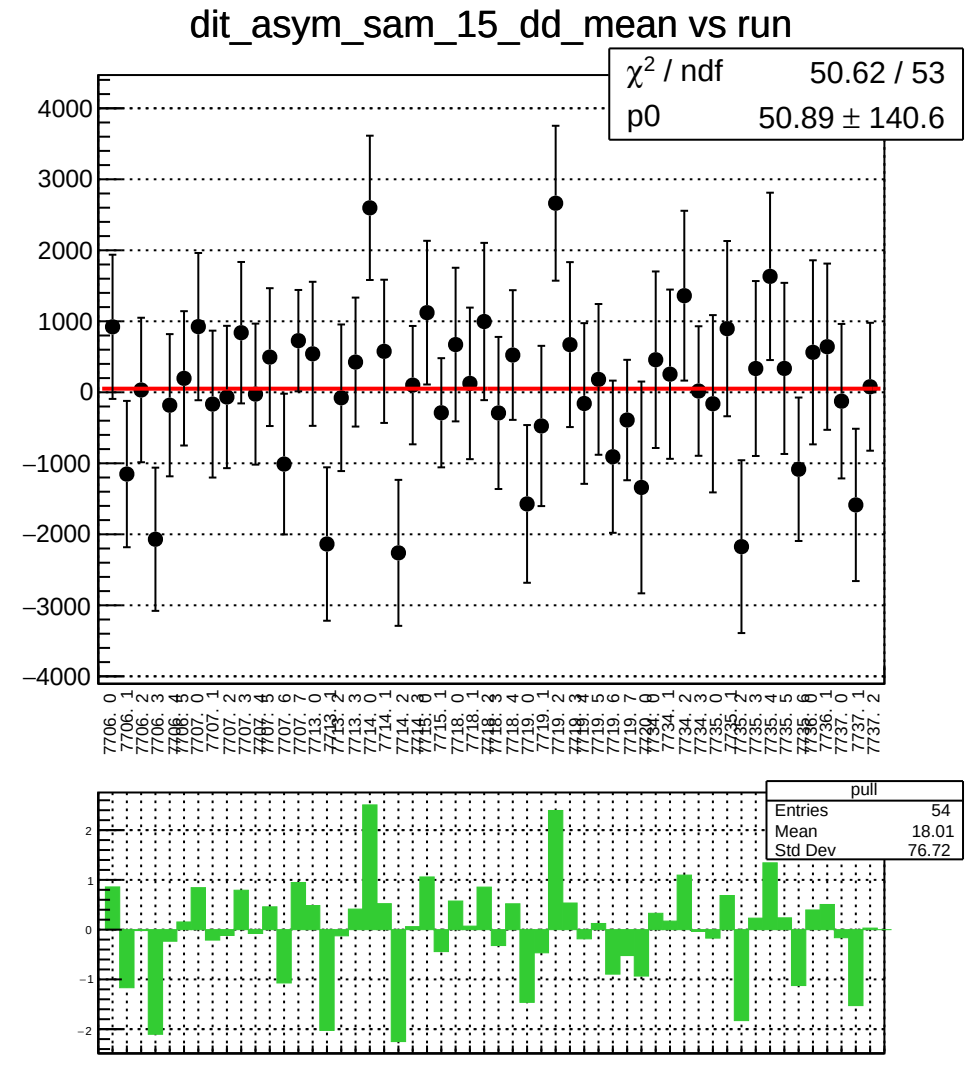

pull1D
Entries 54
Mean −0.01543
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

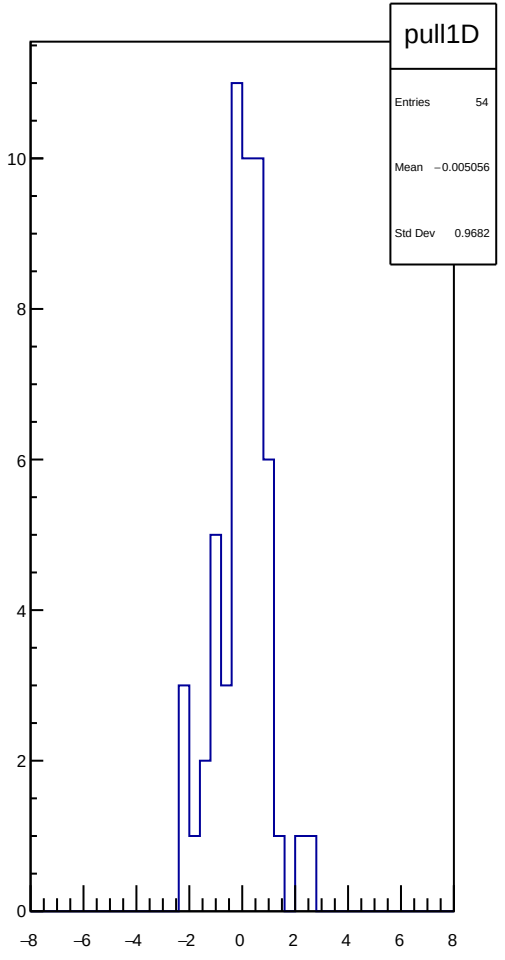

eigen_cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 1.195e+04 / 53
p0 82.86 ± 0.08087
100
95
90
85
80
75
70

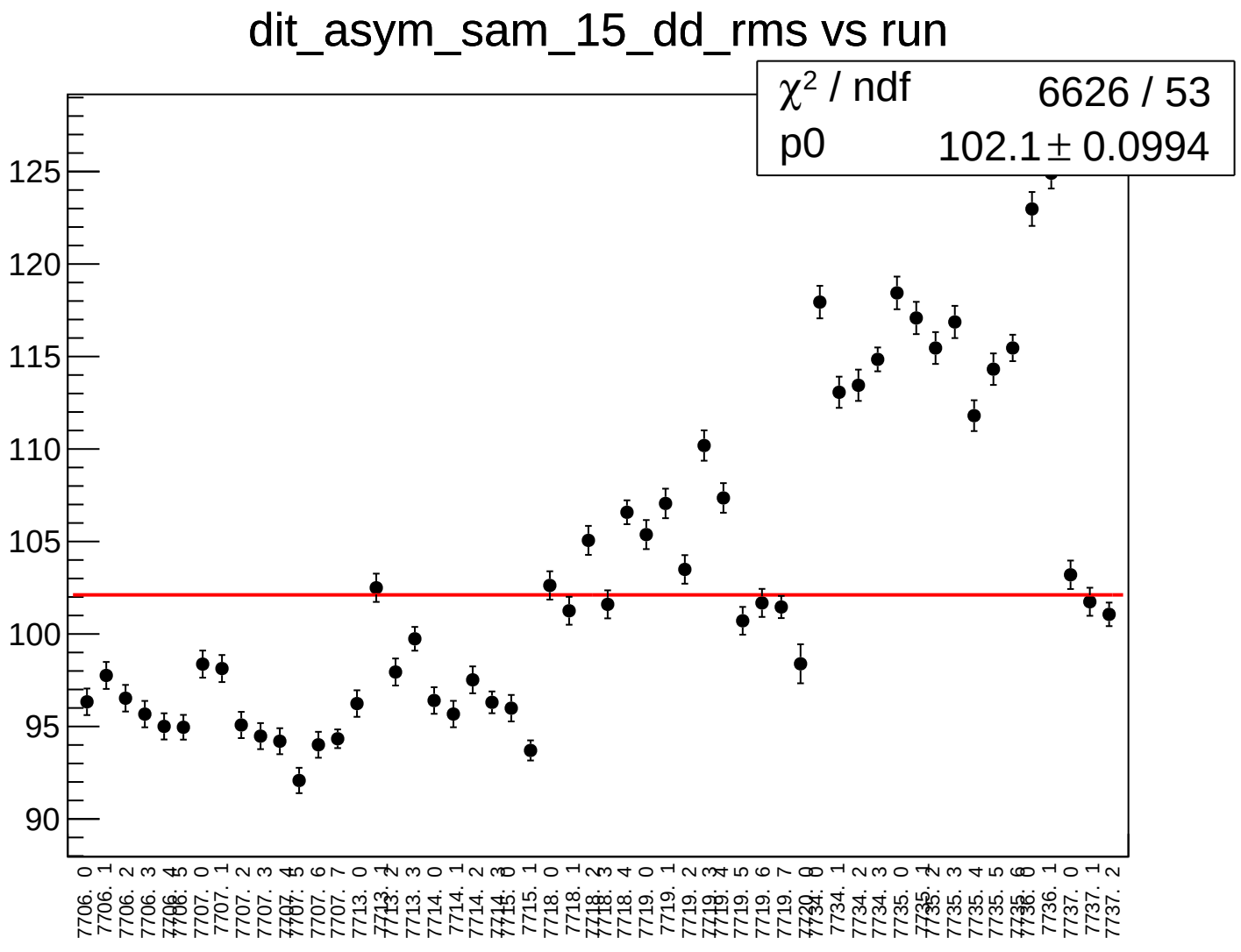

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.74 / 53
p0 −99.82 ± 1171
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 174.5
Std Dev 0
2
1
0
−1
−2

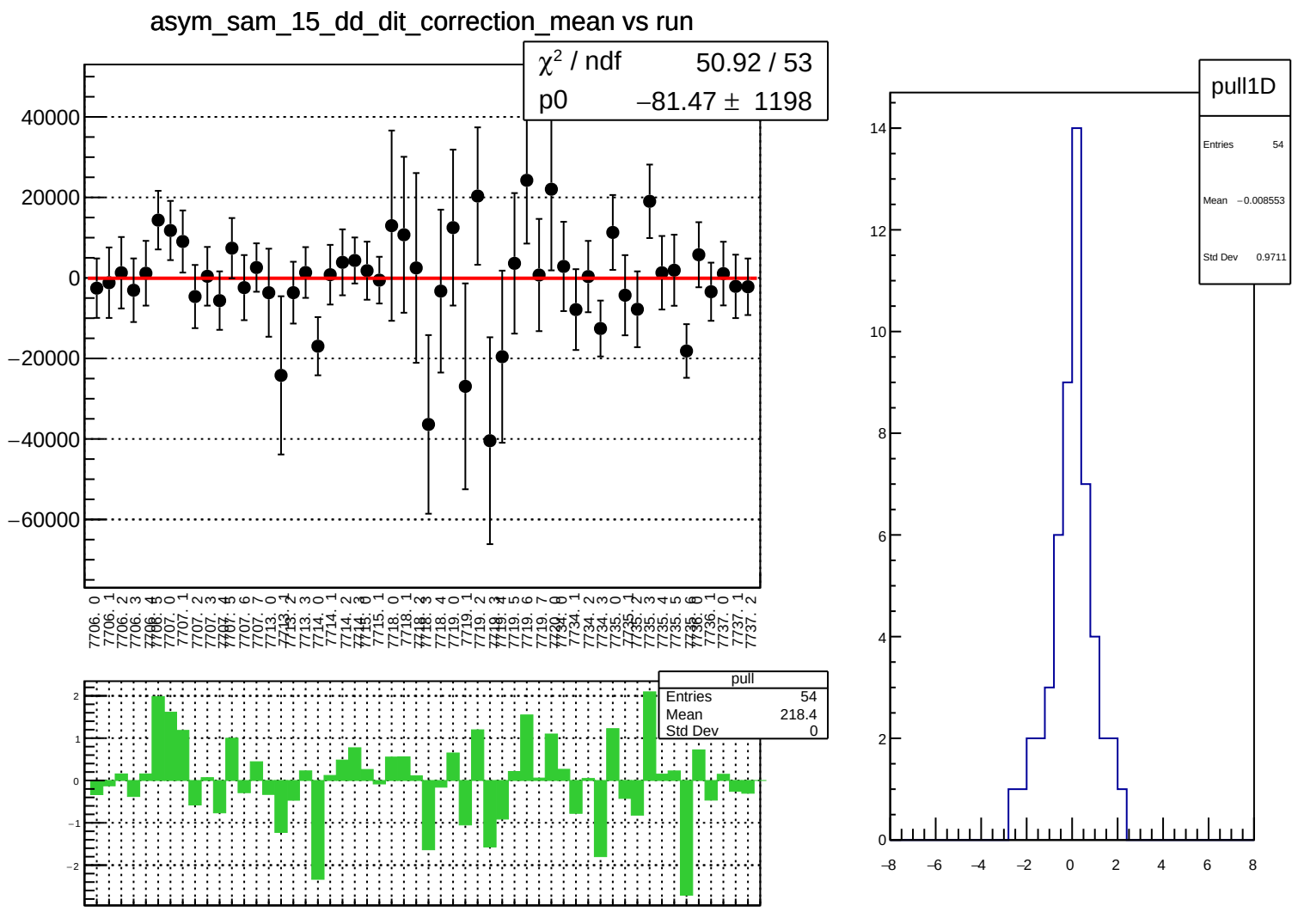

pull1D
Entries 54
Mean −0.01138
Std Dev 0.9693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

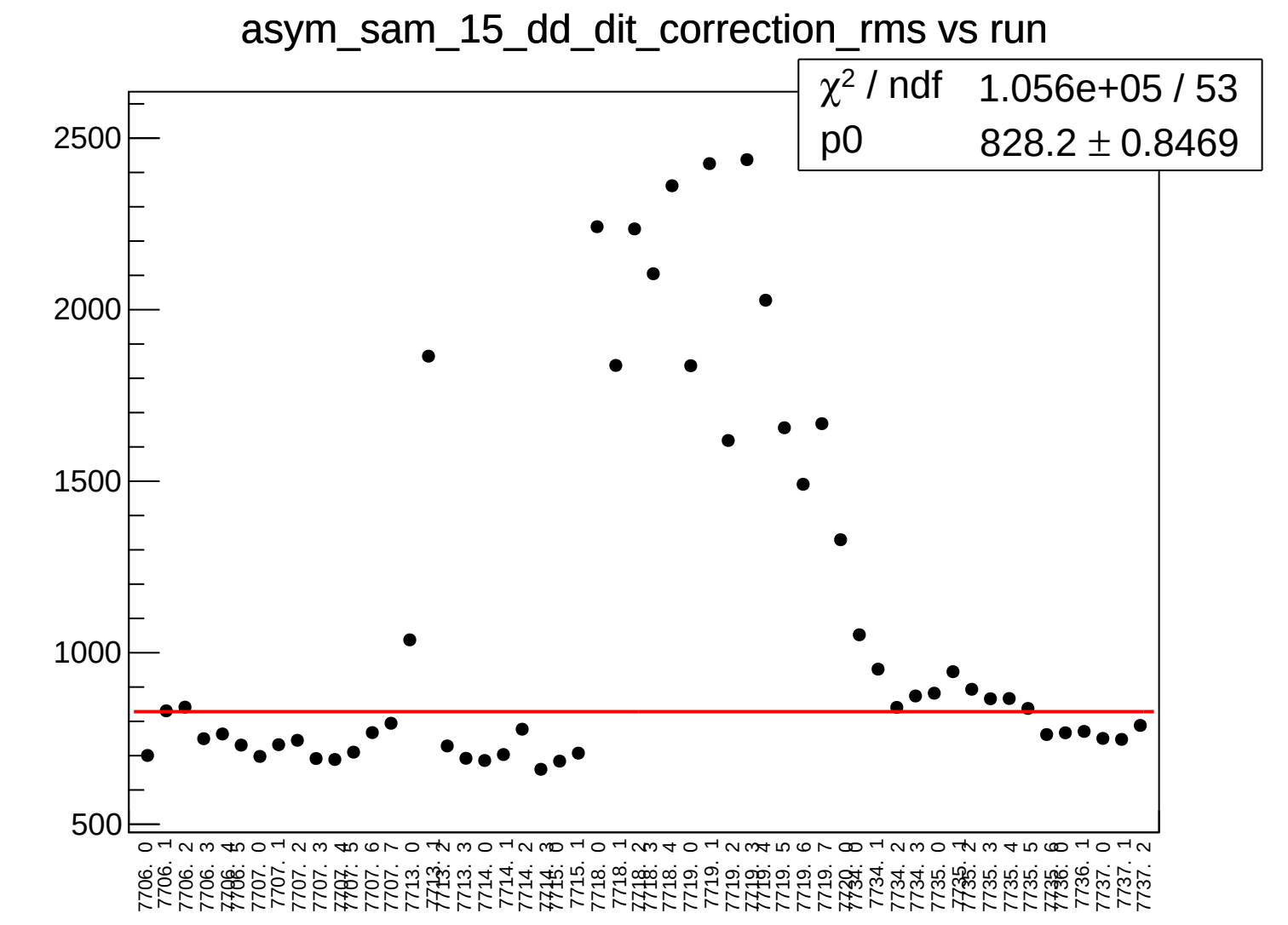

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.068e+05 / 53
p0 808.9 ± 0.8277
2500
2000
1500
1000
500

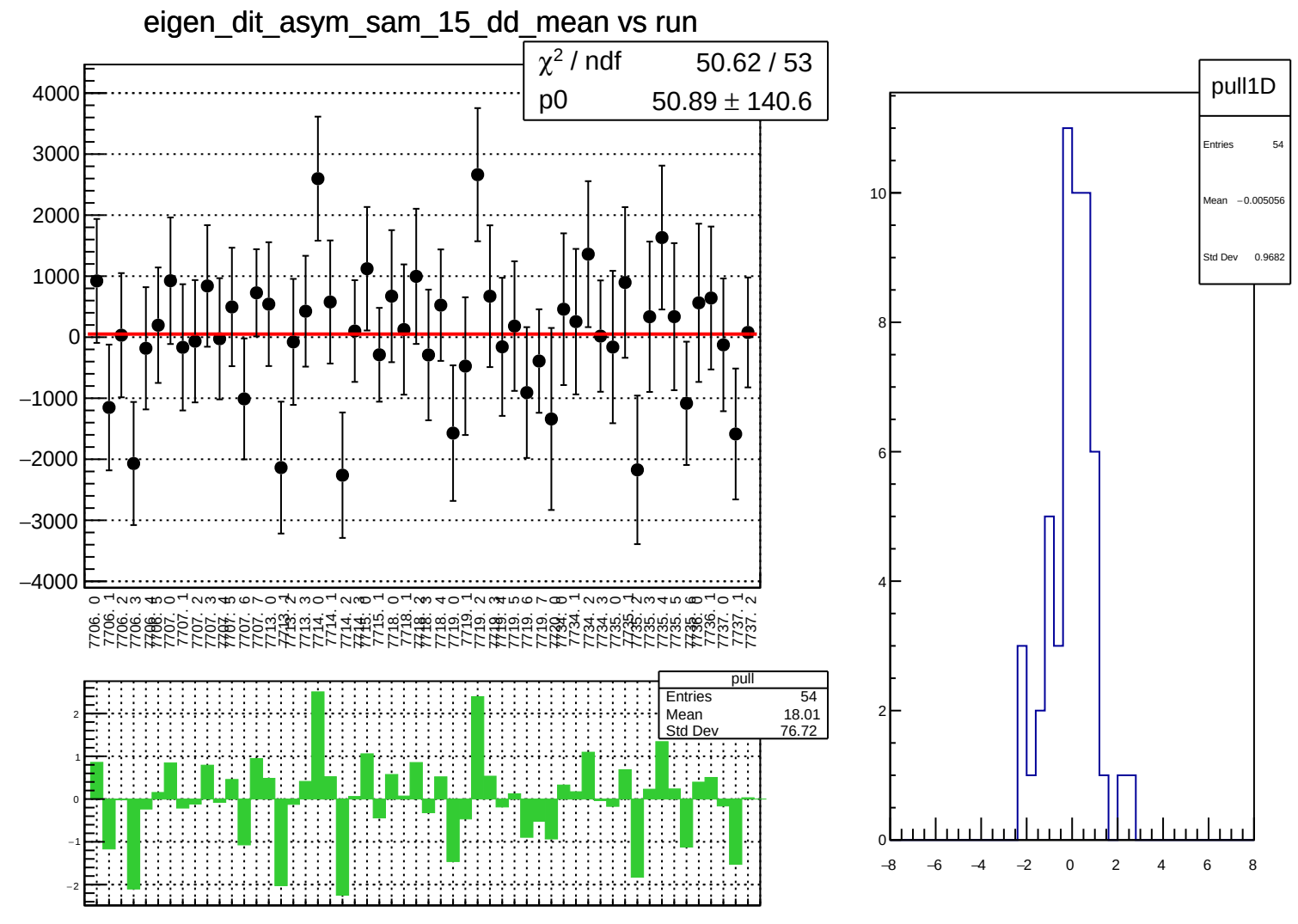

dit_asym_sam_15_dd_mean vs run
χ² / ndf 50.62 / 53
p0 50.89 ± 140.6
pull
Entries 54
Mean 18.01
Std Dev 76.72

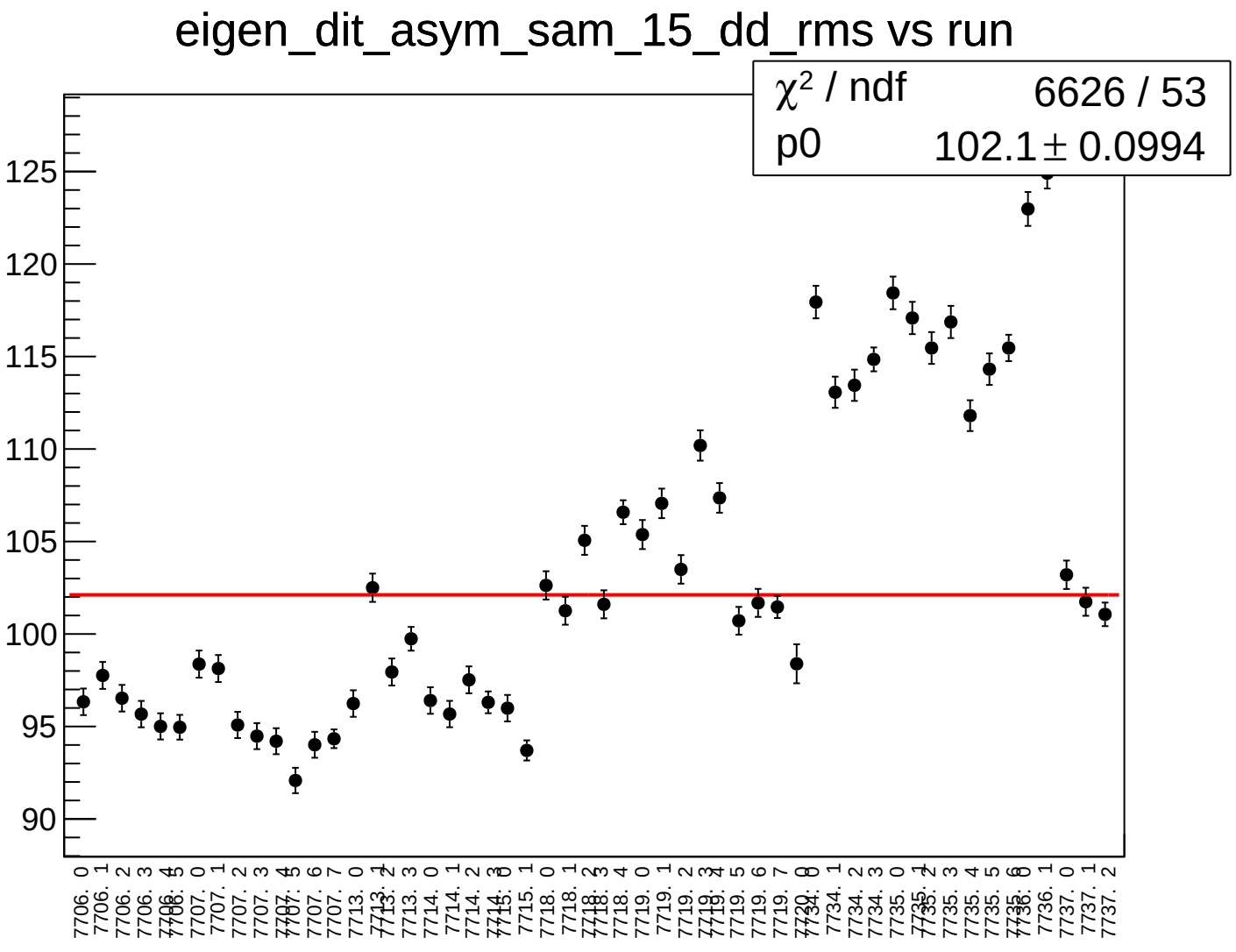

pull1D
Entries 54
Mean −0.005056
Std Dev 0.9682

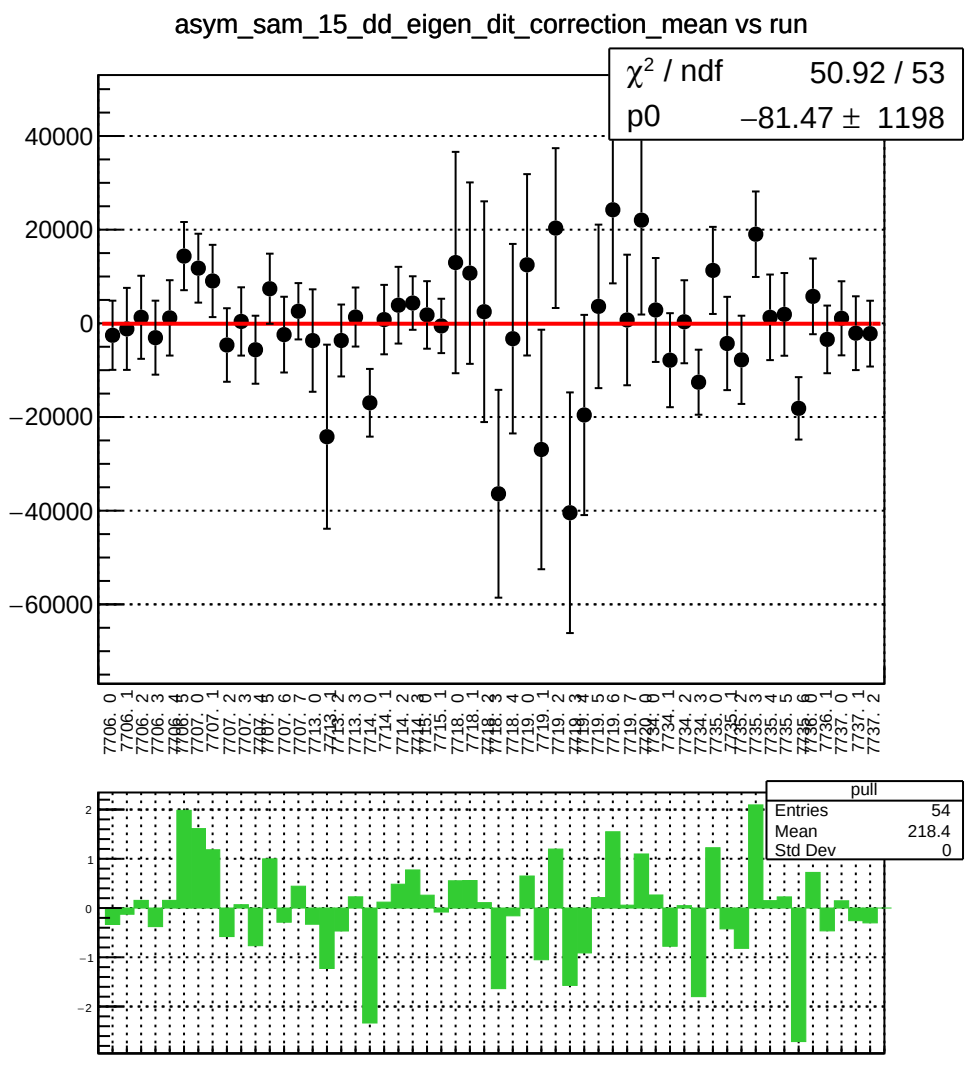

dit_asym_sam_15_dd_rms vs run
χ² / ndf 6626 / 53
p0 102.1 ± 0.0994
125
120
115
110
105
100
95
90
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

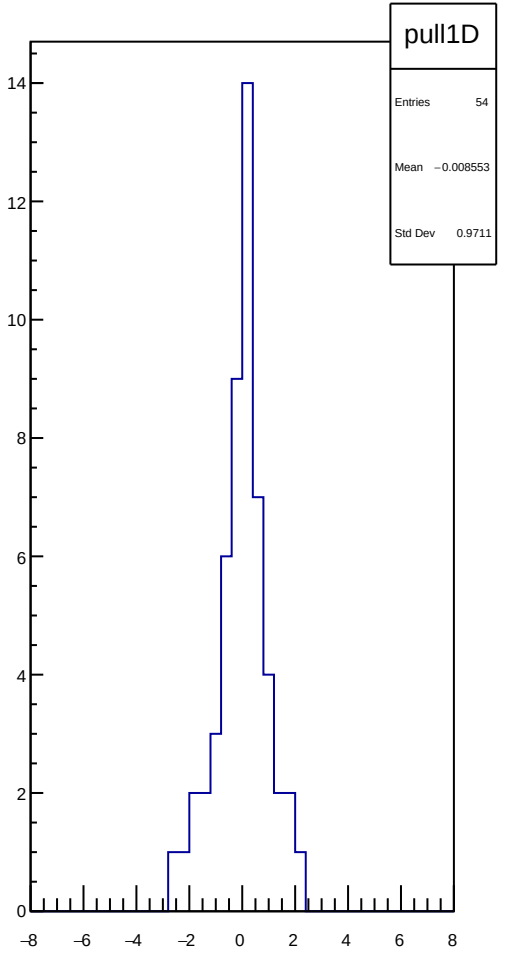

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 50.92 / 53
p0 −81.47 ± 1198
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 218.4
Std Dev 0
pull1D
Entries 54
Mean −0.008553
Std Dev 0.9711
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

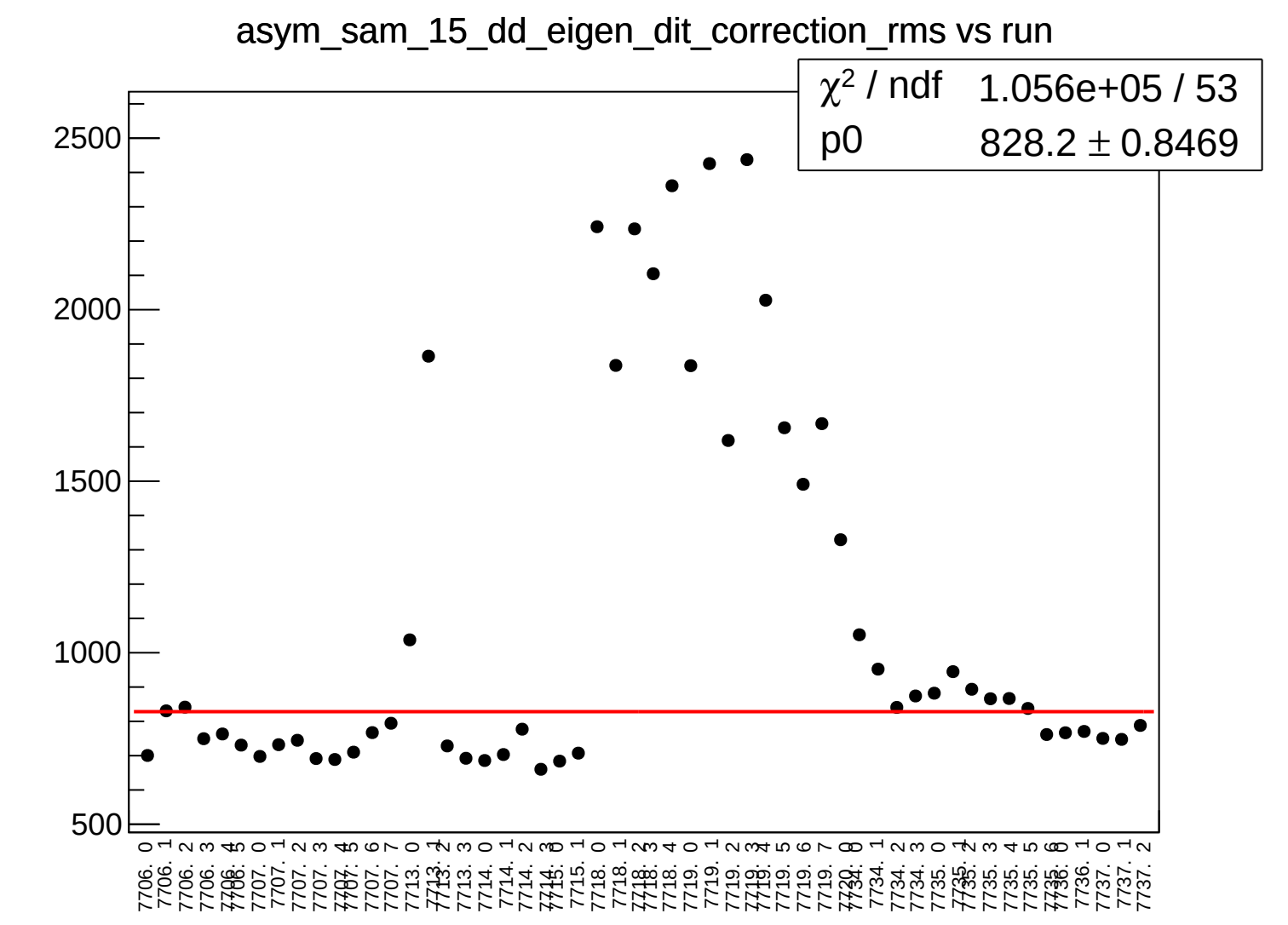

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1.056e+05 / 53
p0 828.2 ± 0.8469
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

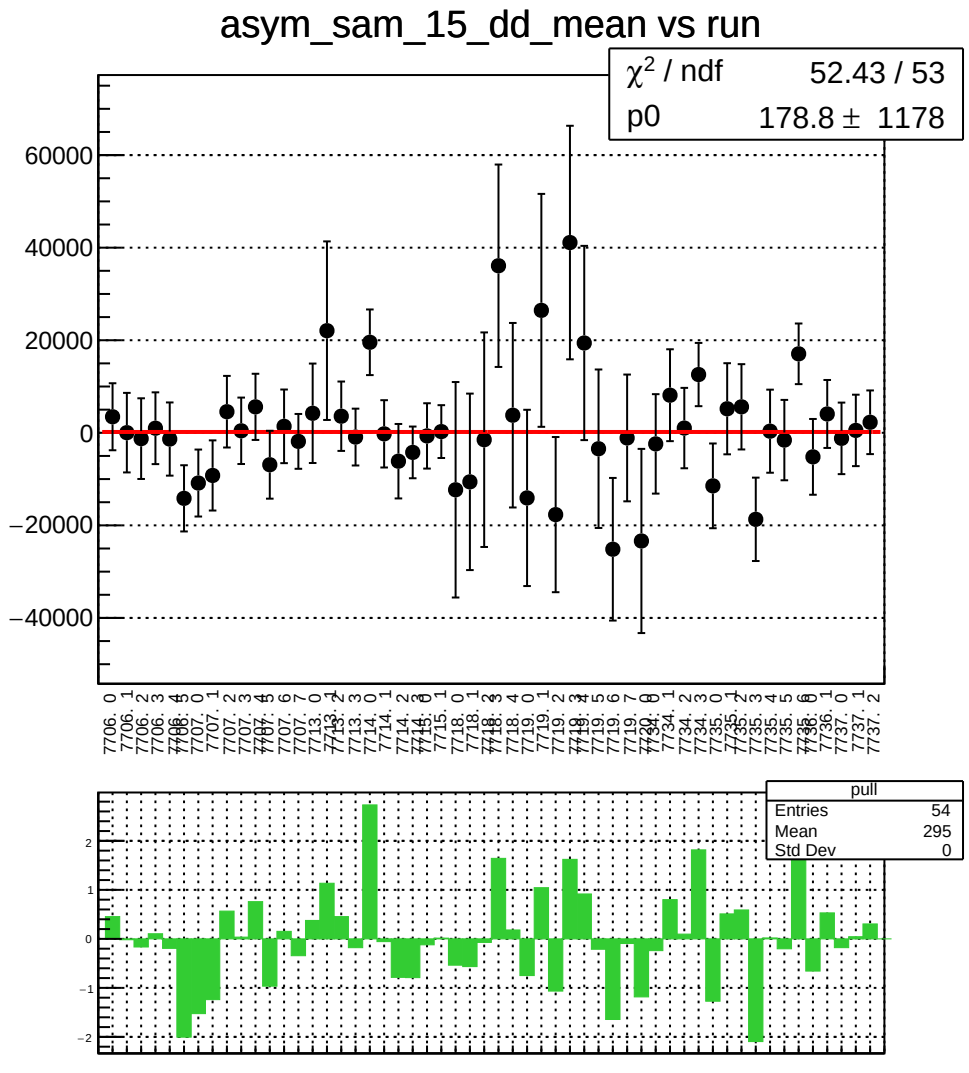

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 50.62 / 53
p0 50.89 ± 140.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 18.01
Std Dev 76.72
pull1D
Entries 54
Mean −0.005056
Std Dev 0.9682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

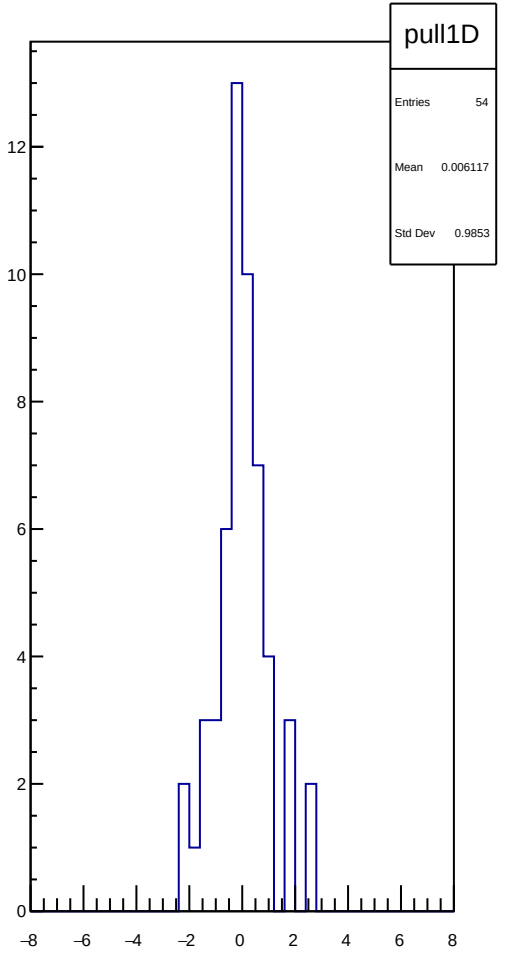

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 6626 / 53
p0 102.1 ± 0.0994
125
120
115
110
105
100
95
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

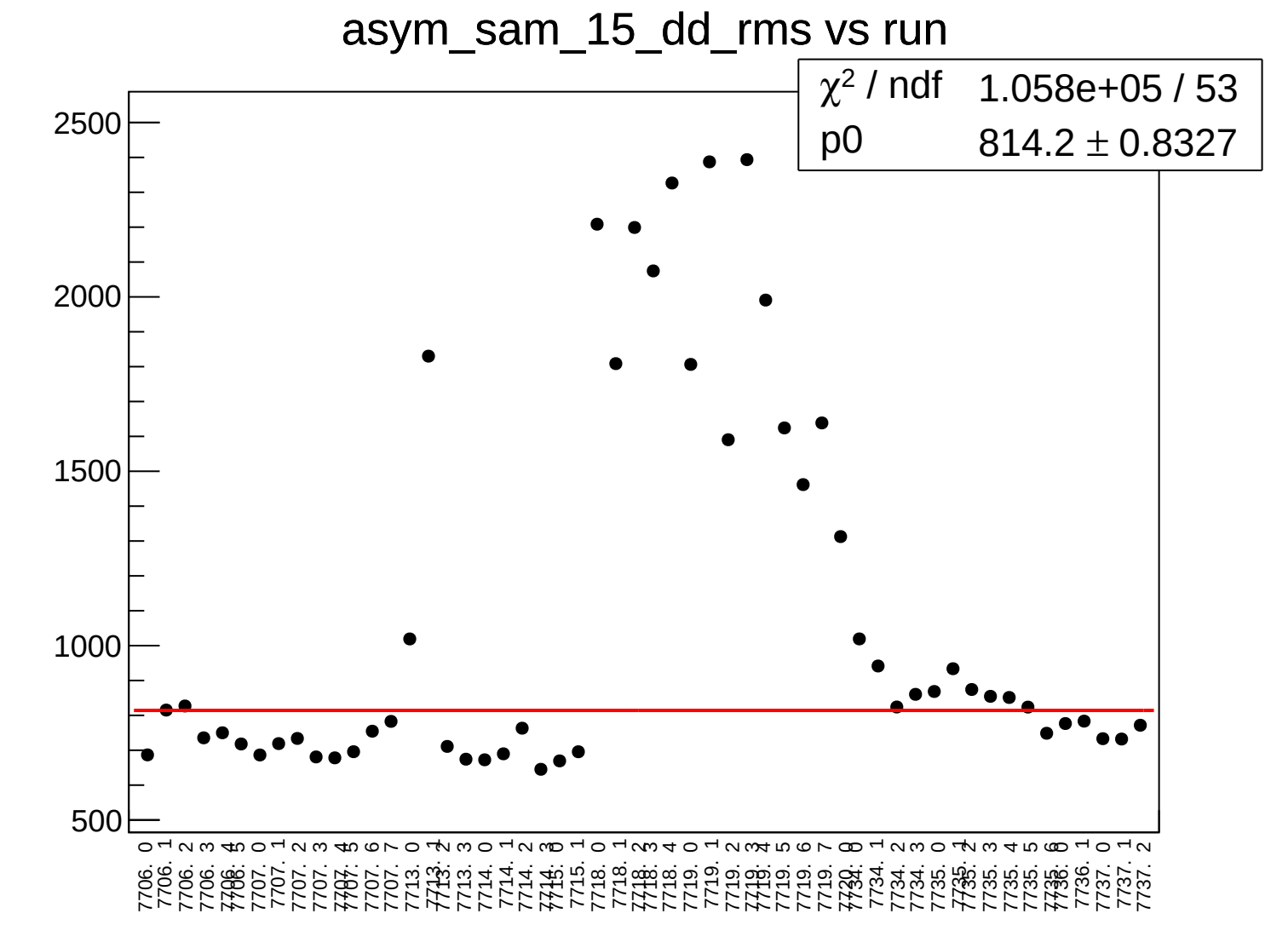

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.92 / 53
p0 −81.47 ± 1198
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 218.4
Std Dev 0
2
1
0
−1
−2

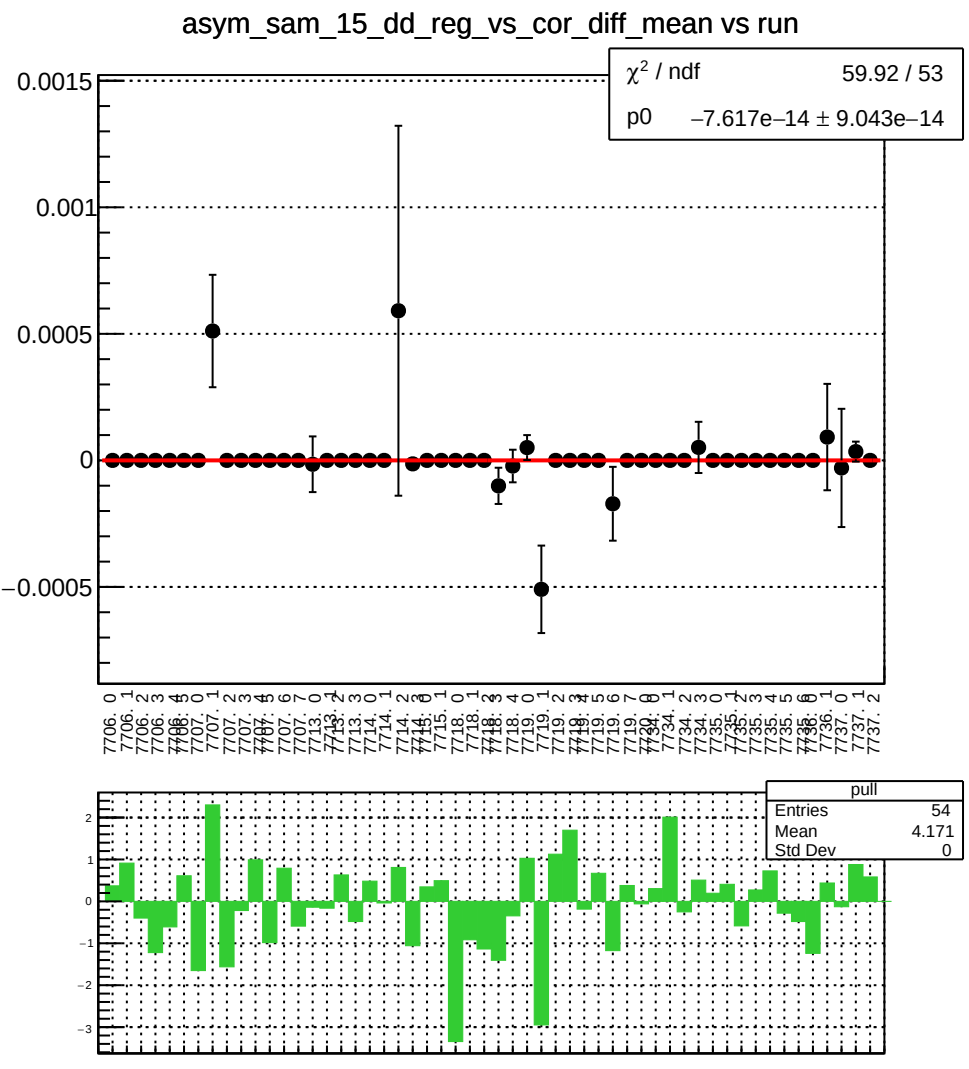

pull1D
Entries 54
Mean −0.008553
Std Dev 0.9711
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

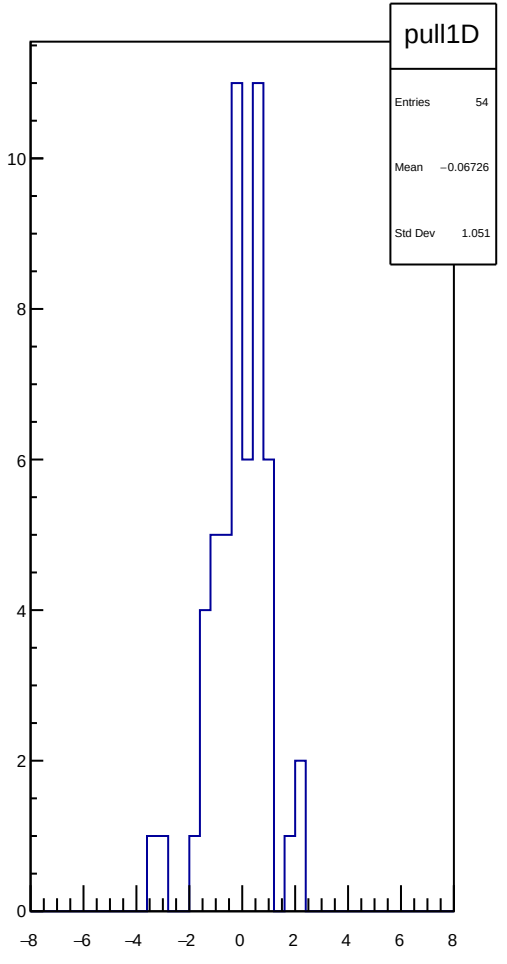

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.056e+05 / 53
p0 828.2 ± 0.8469
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

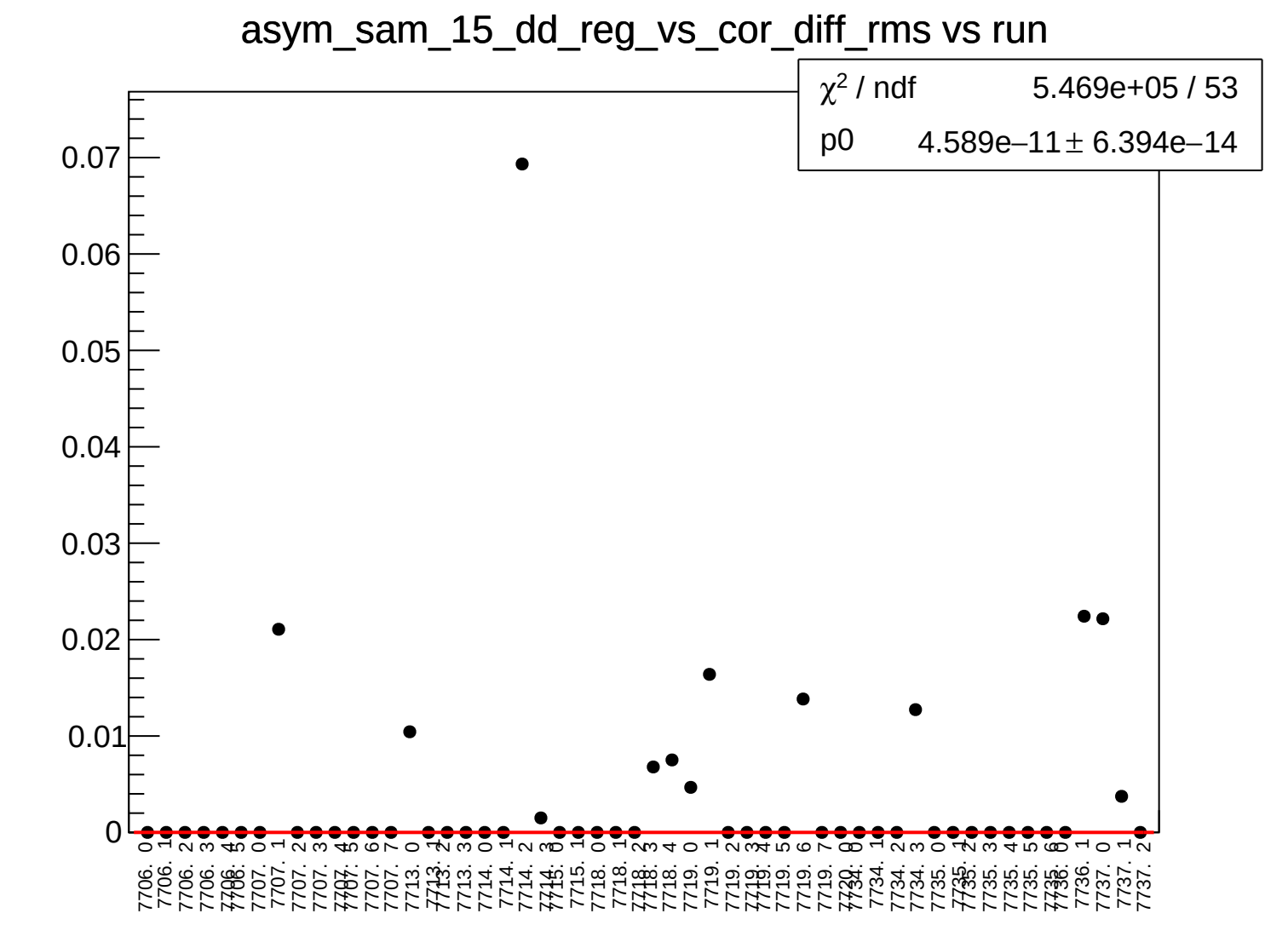

asym_sam_15_dd_mean vs run
χ² / ndf 52.43 / 53
p0 178.8 ± 1178
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 295
Std Dev 0
2
1
0
−1
−2

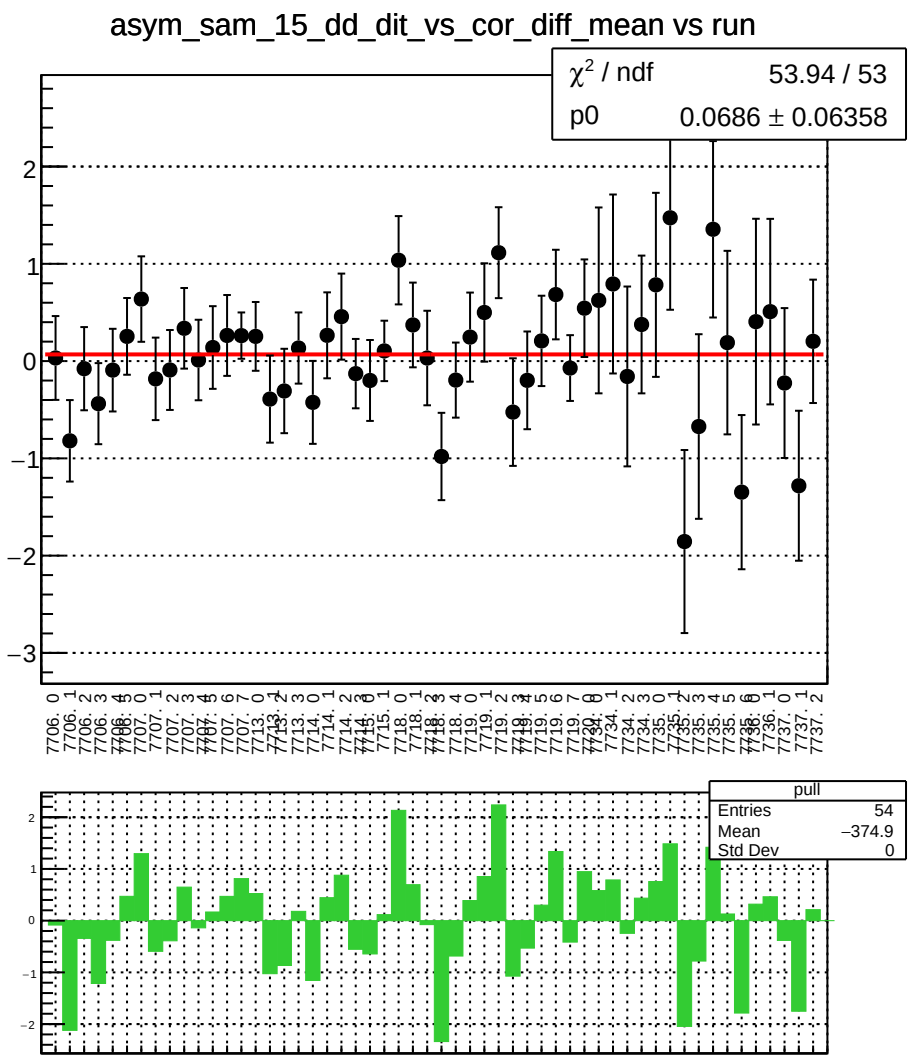

pull1D
Entries 54
Mean 0.006117
Std Dev 0.9853
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

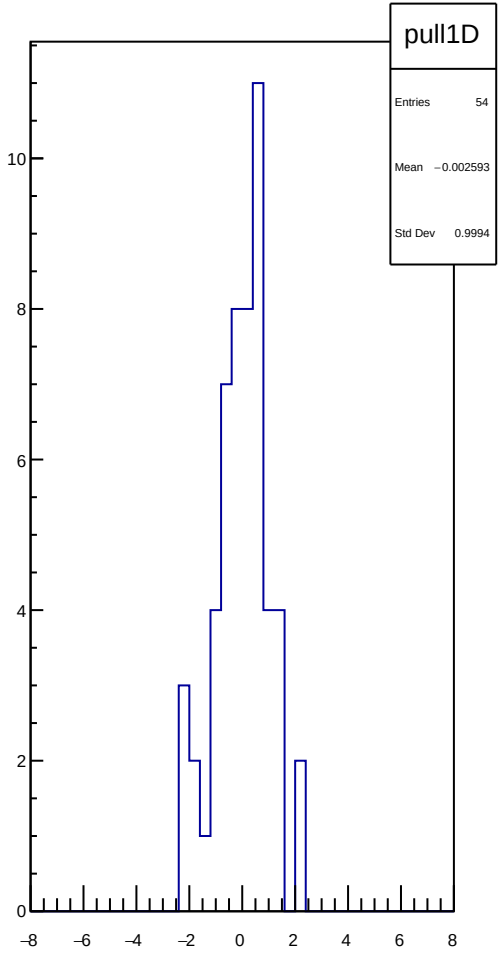

asym_sam_15_dd_rms vs run
χ² / ndf 1.058e+05 / 53
p0 814.2 ± 0.8327
2500
2000
1500
1000
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

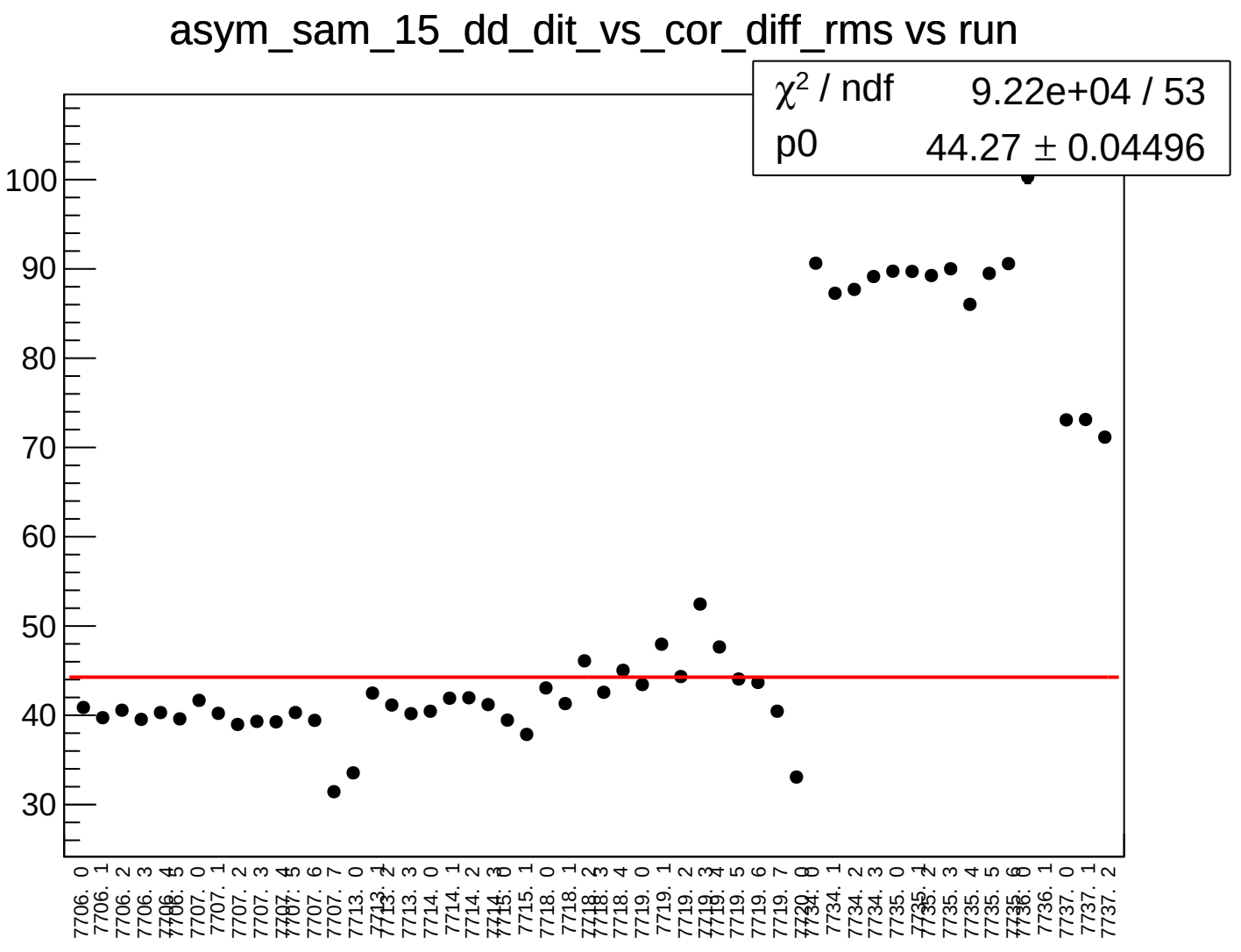

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.92 / 53
p0 −7.617e−14 ± 9.043e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 54
Mean 4.171
Std Dev 0
2
1
0
−1
−2
−3

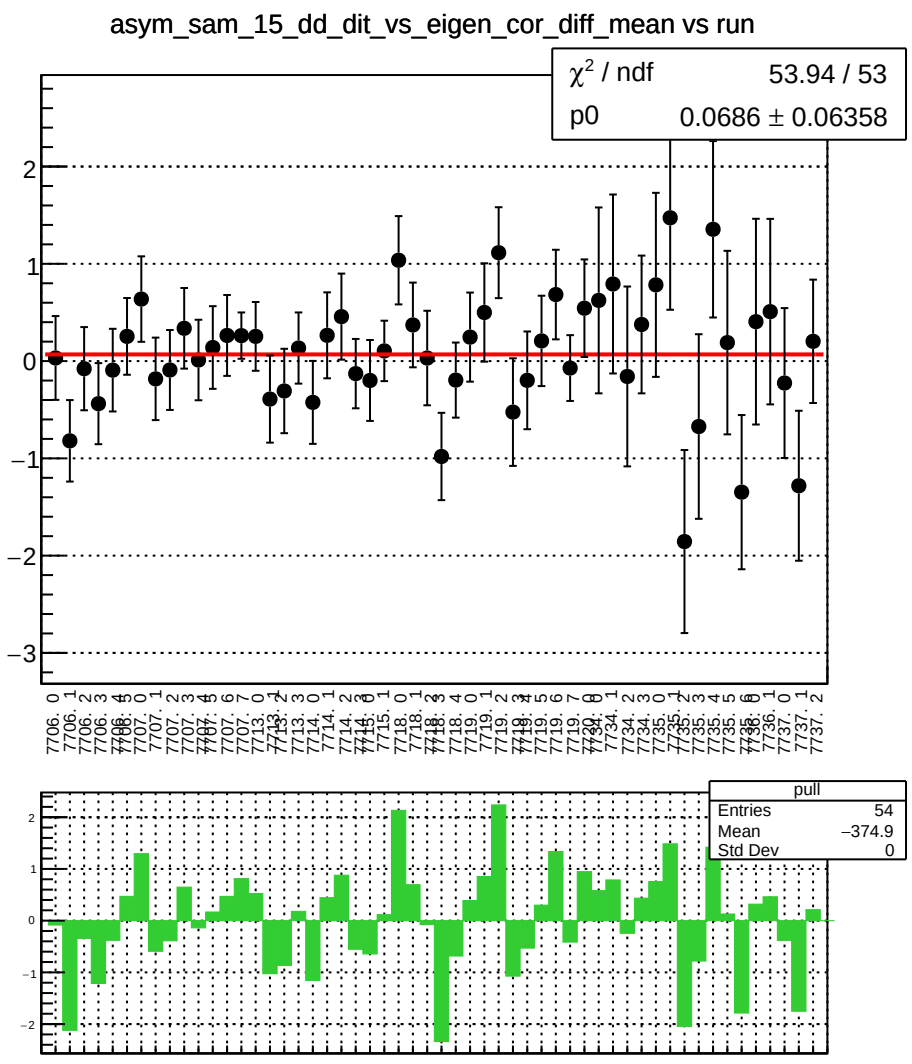

pull1D
Entries 54
Mean −0.06726
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

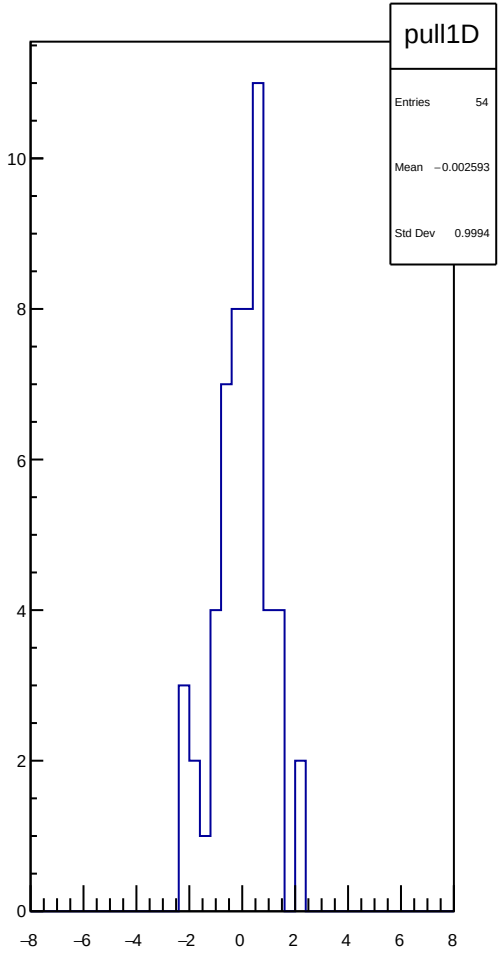

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.469e+05 / 53
p0 4.589e−11 ± 6.394e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

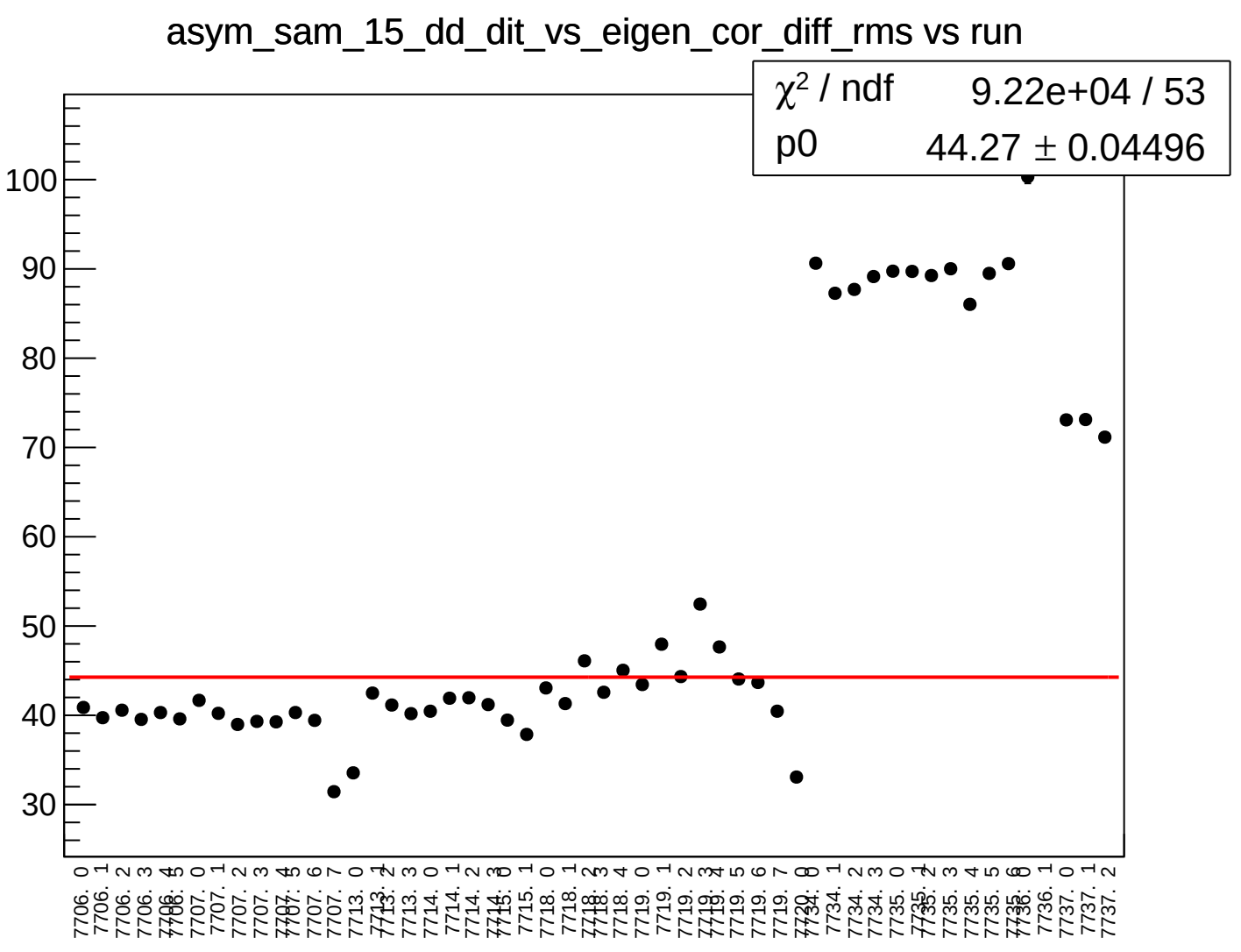

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.94 / 53
p0 0.0686 ± 0.06358
pull
Entries 54
Mean −374.9
Std Dev 0

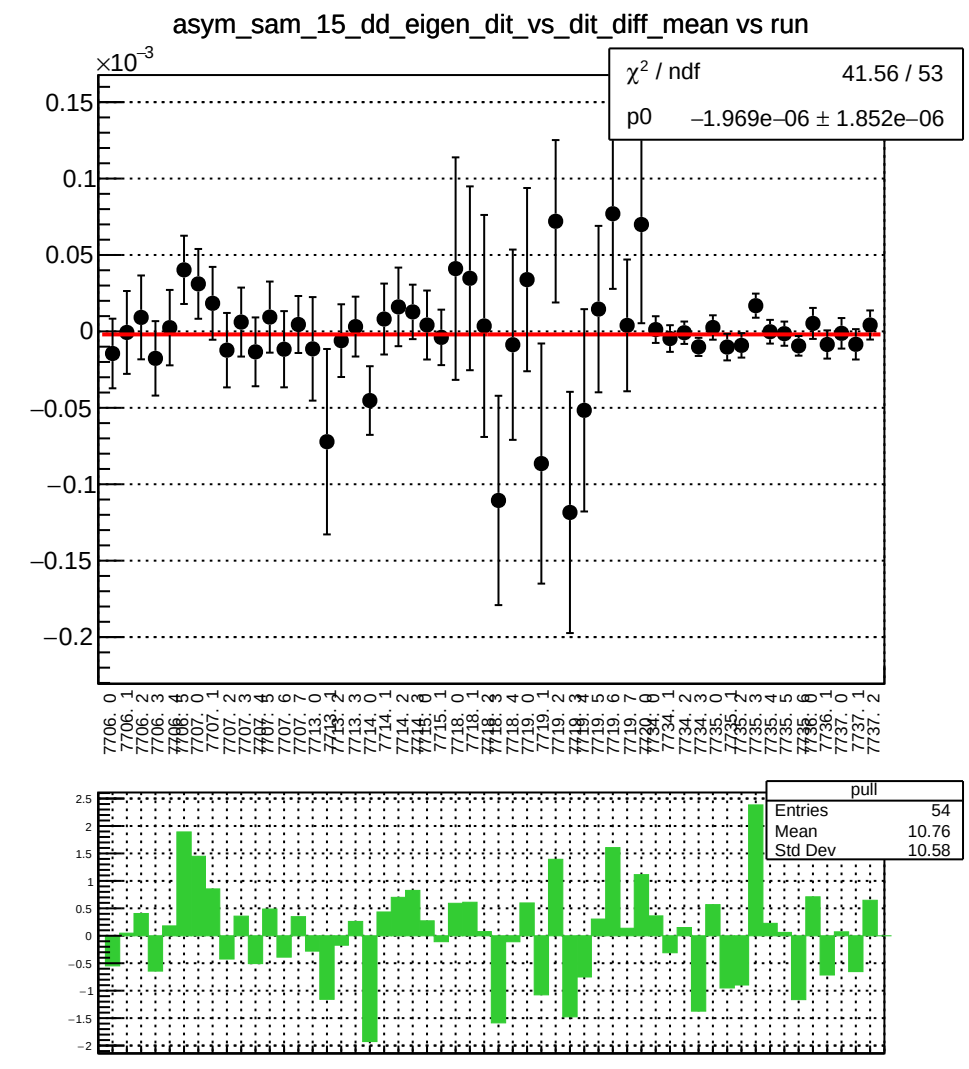

pull1D
Entries 54
Mean −0.002593
Std Dev 0.9994

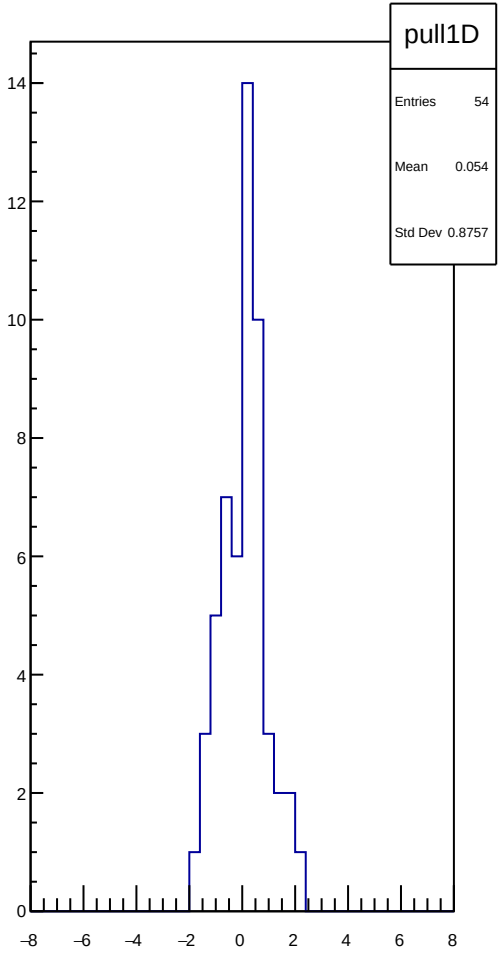

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.22e+04 / 53
p0 44.27 ± 0.04496
100
90
80
70
60
50
40
30
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

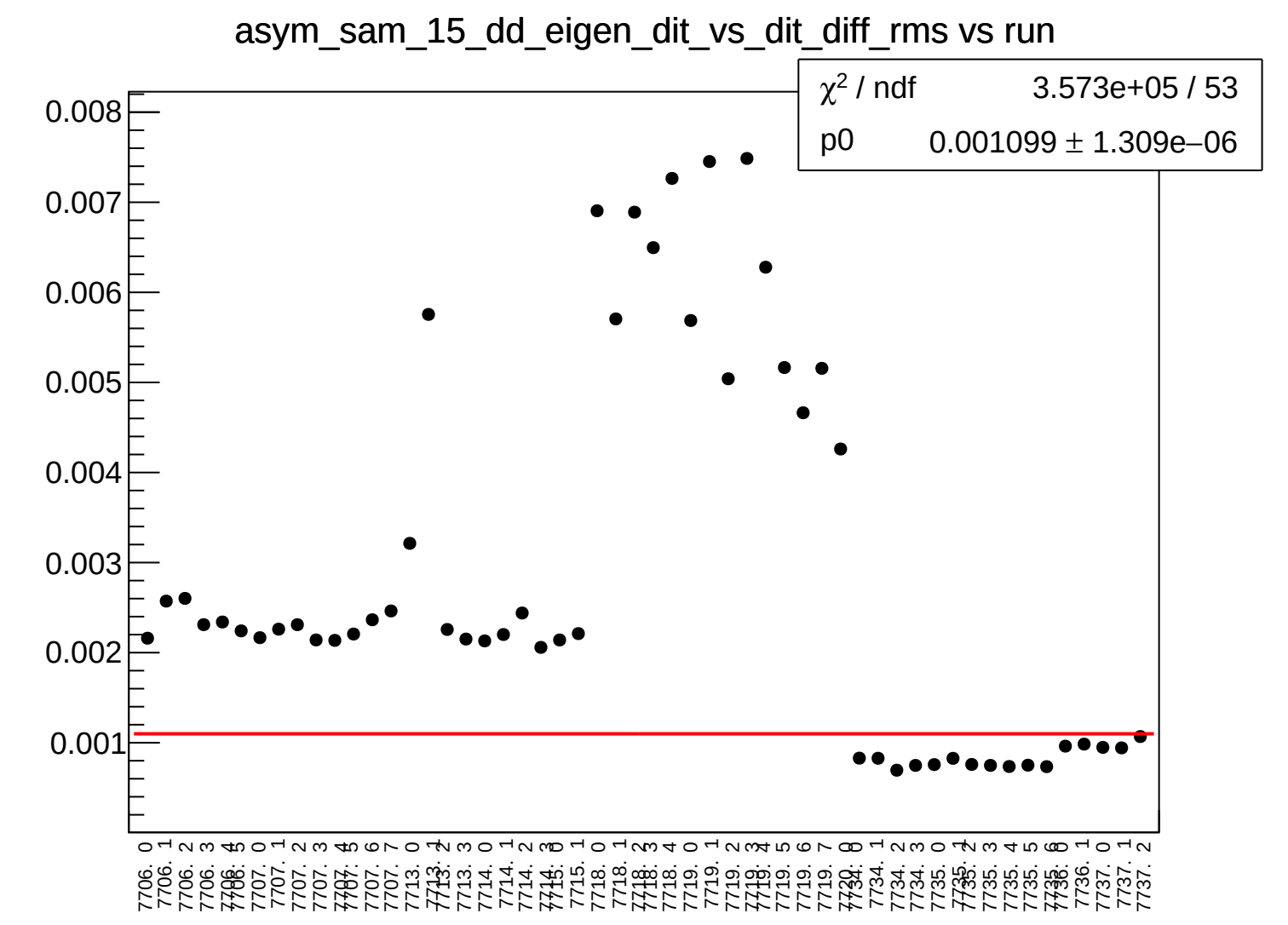

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.94 / 53
p0 0.0686 ± 0.06358
pull
Entries 54
Mean −374.9
Std Dev 0

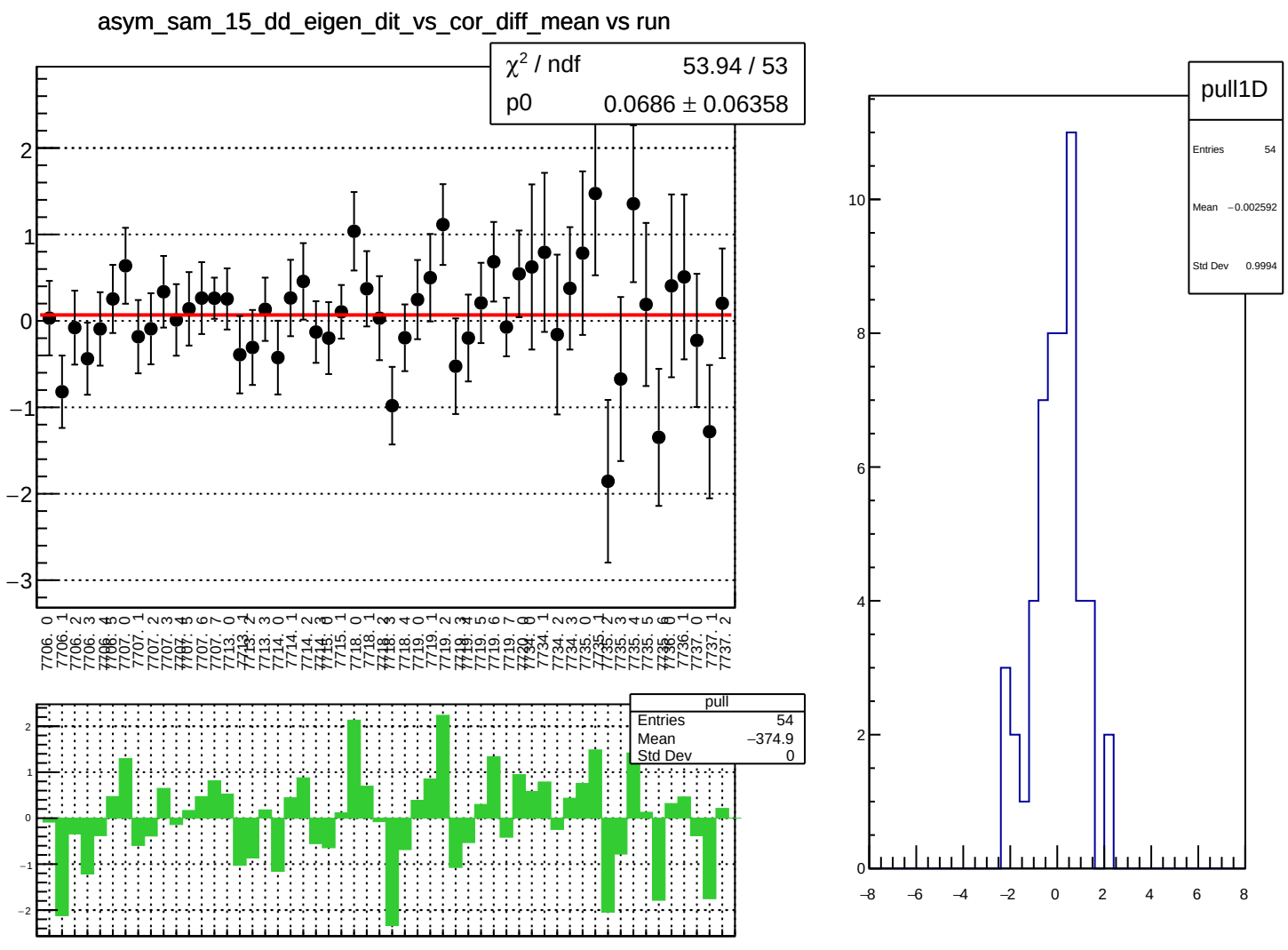

pull1D
Entries 54
Mean −0.002593
Std Dev 0.9994

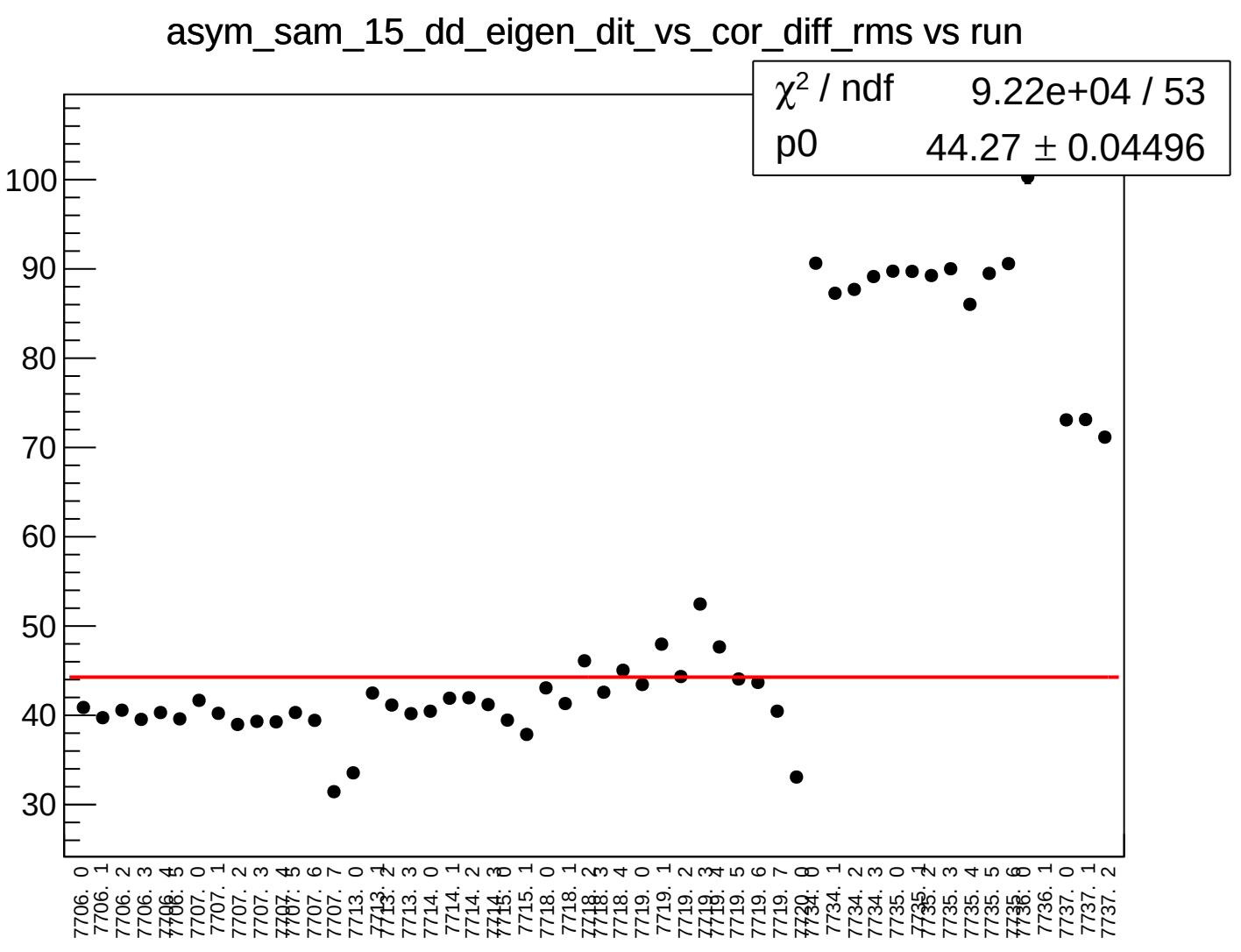

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.22e+04 / 53
p0 44.27 ± 0.04496
100
90
80
70
60
50
40
30


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.56 / 53
p0 −1.969e−06 ± 1.852e−06
pull
Entries 54
Mean 10.76
Std Dev 10.58

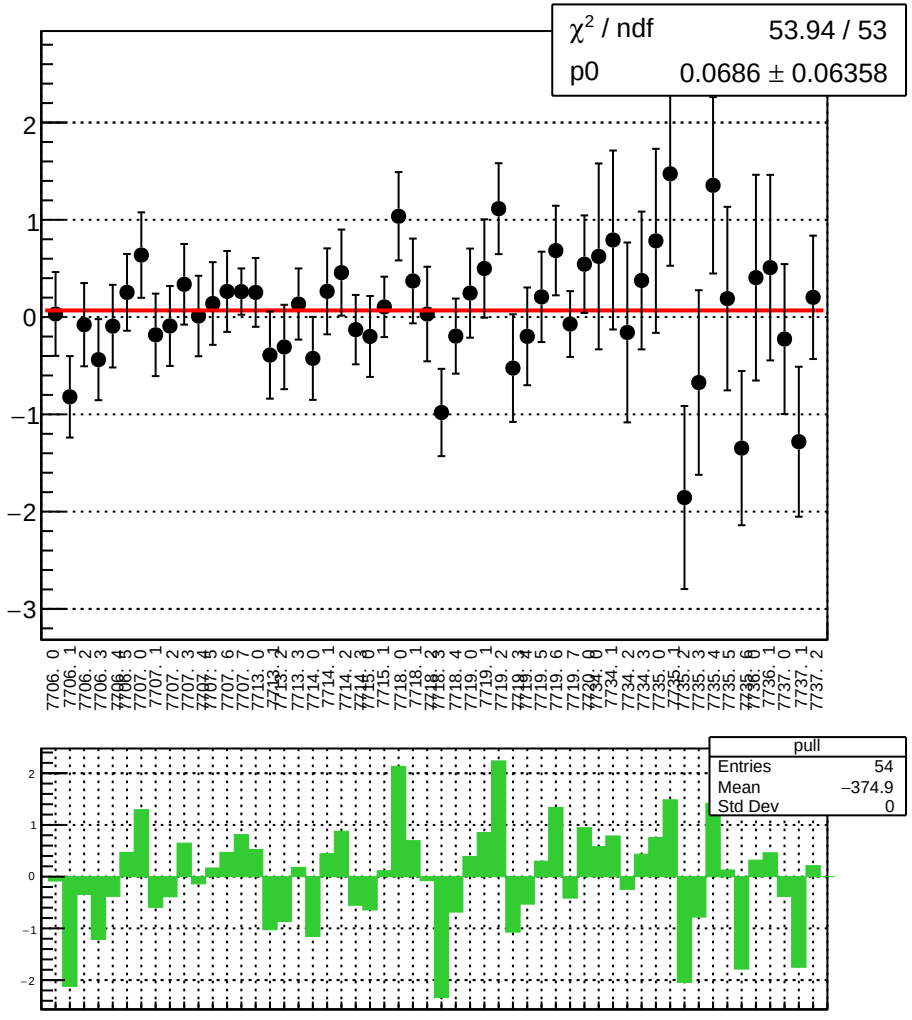

pull1D
Entries 54
Mean 0.054
Std Dev 0.8757

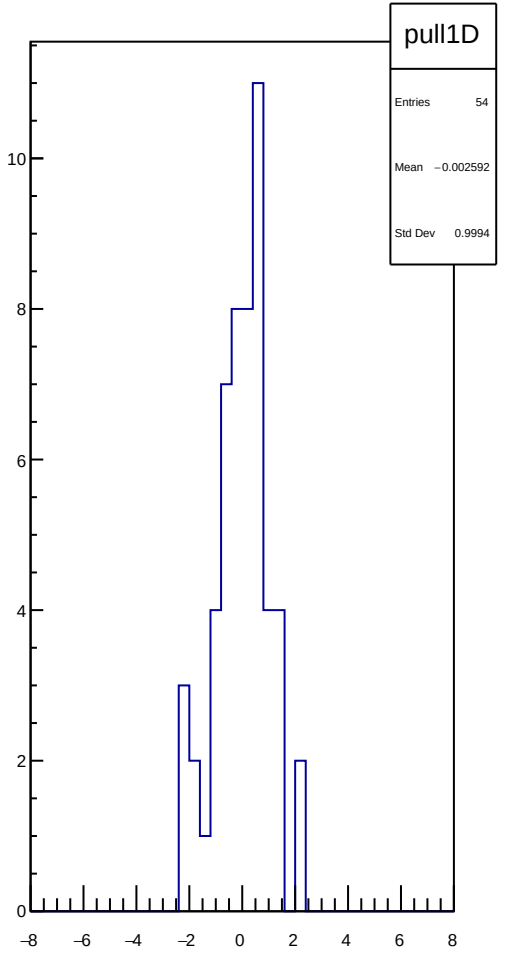

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.573e+05 / 53
p0 0.001099 ± 1.309e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

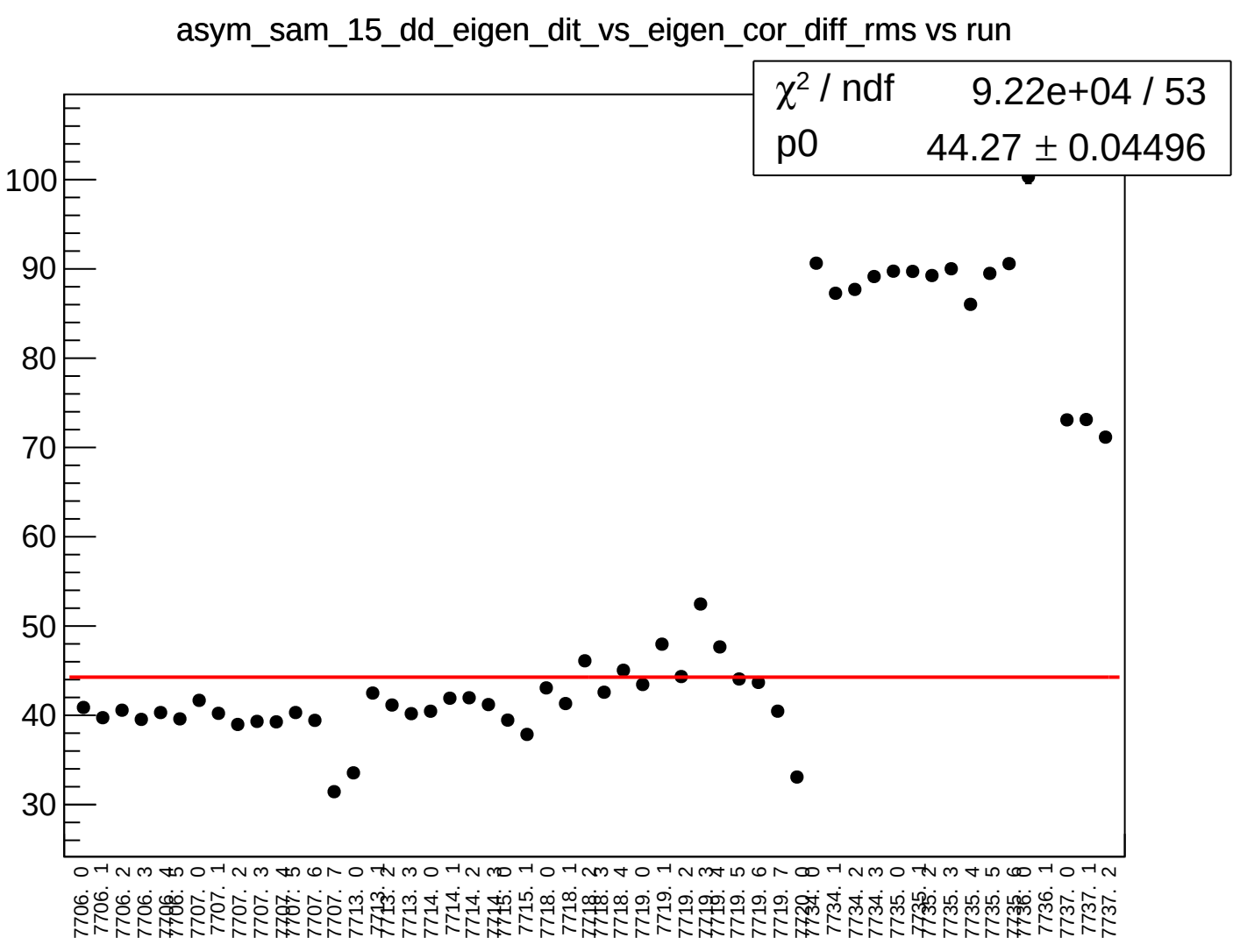

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.94 / 53
p0 0.0686 ± 0.06358
pull
Entries 54
Mean −374.9
Std Dev 0
pull1D
Entries 54
Mean −0.002592
Std Dev 0.9994

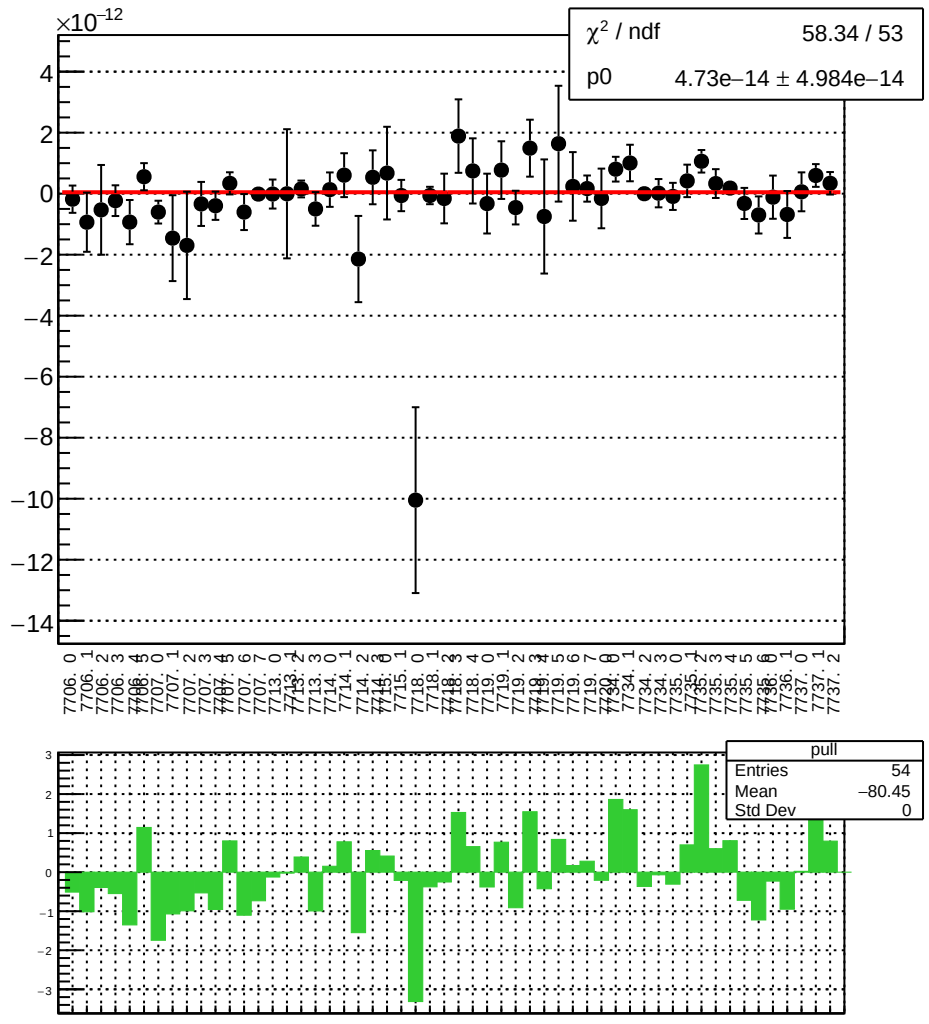

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.22e+04 / 53
p0 44.27 ± 0.04496
100
90
80
70
60
50
40
30

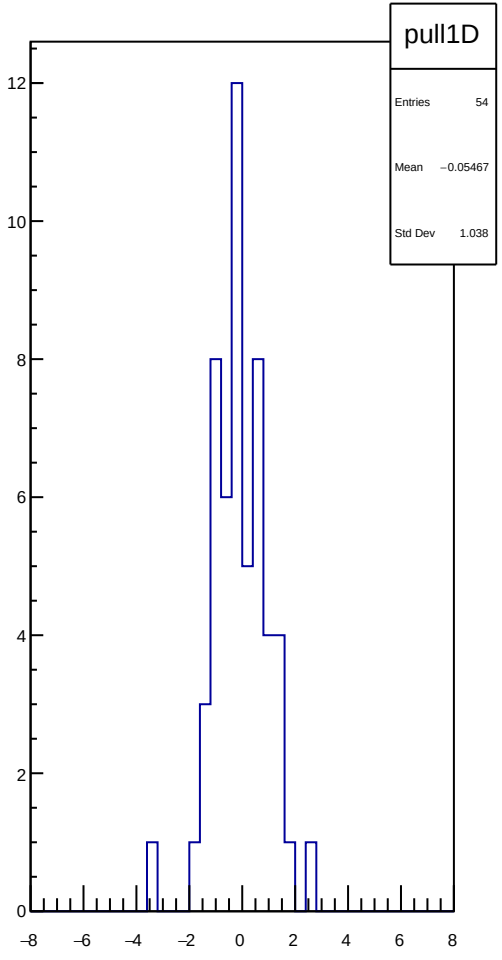
asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

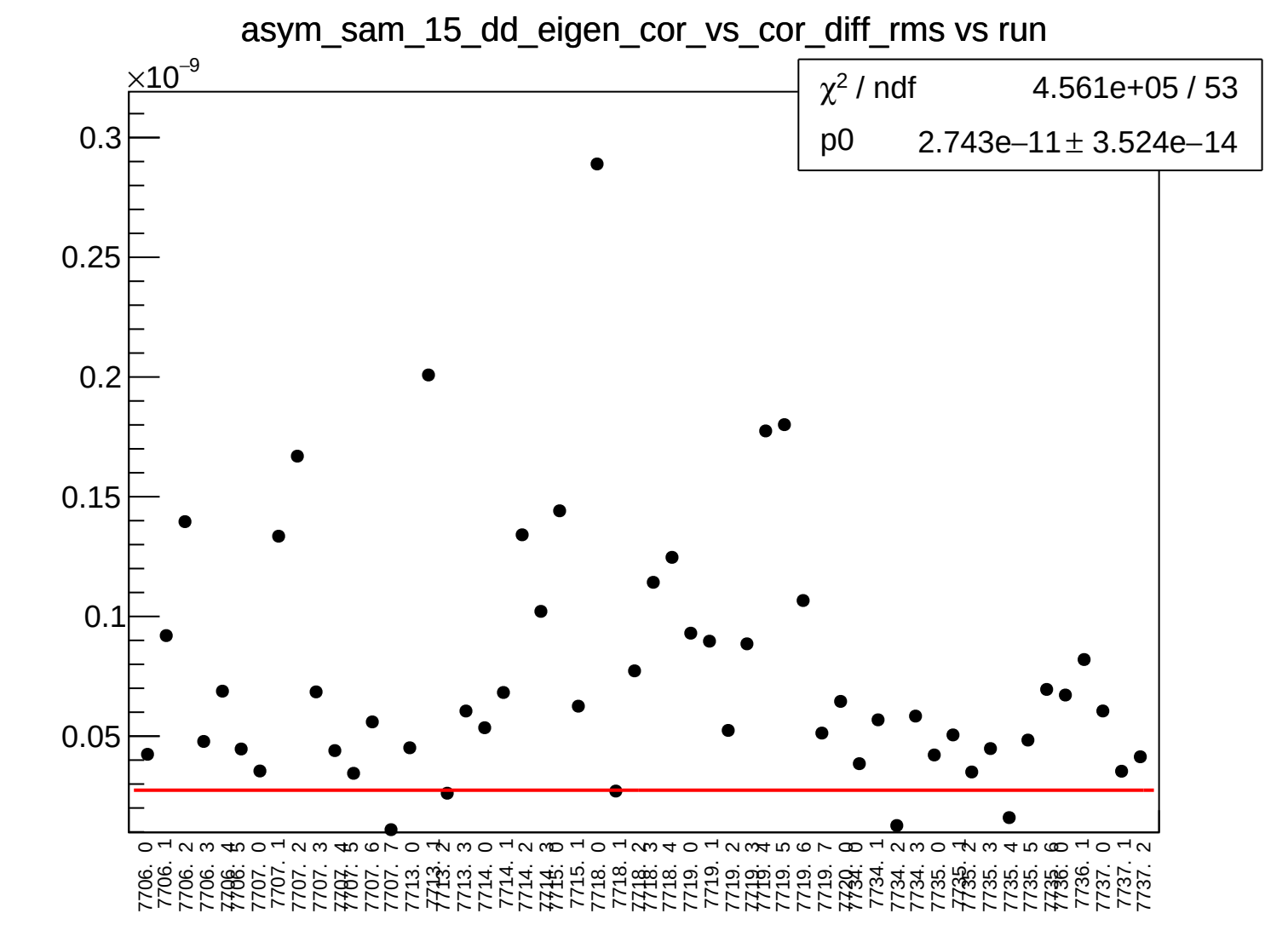


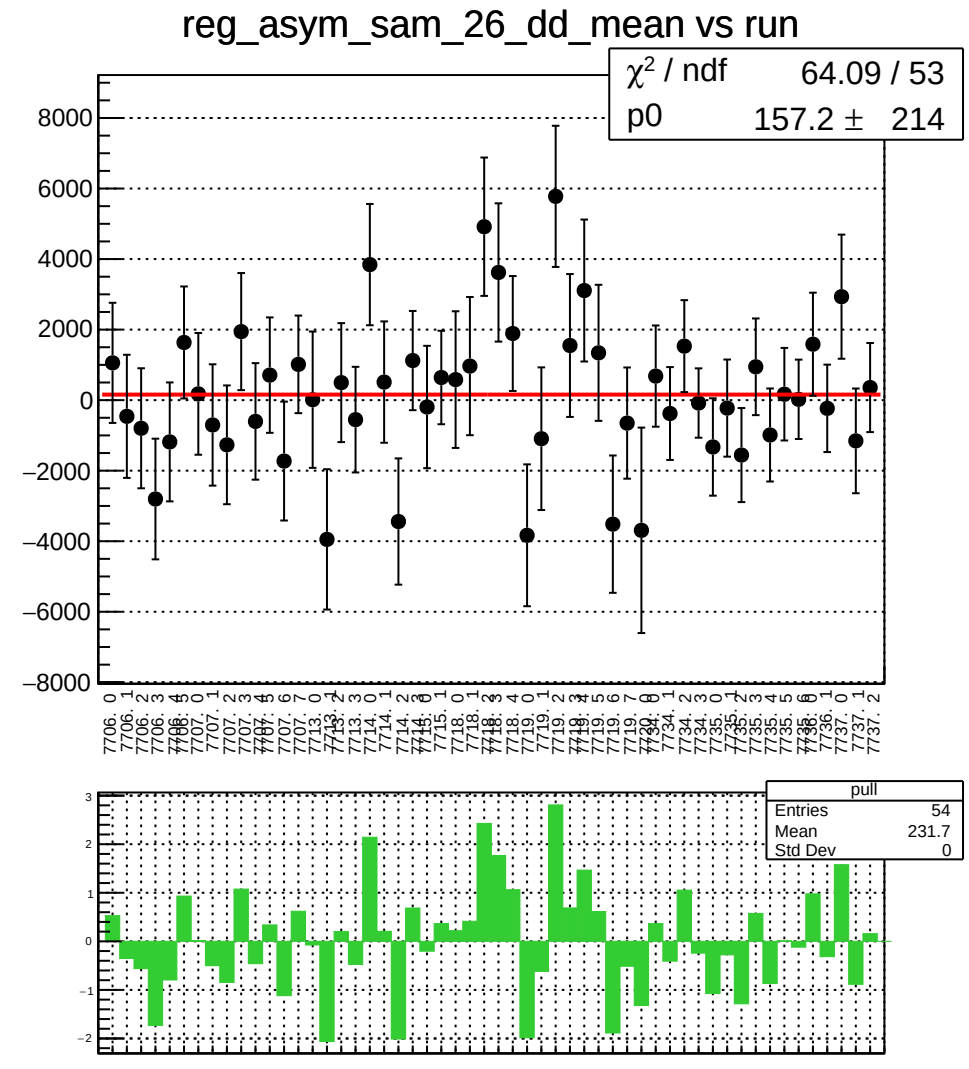


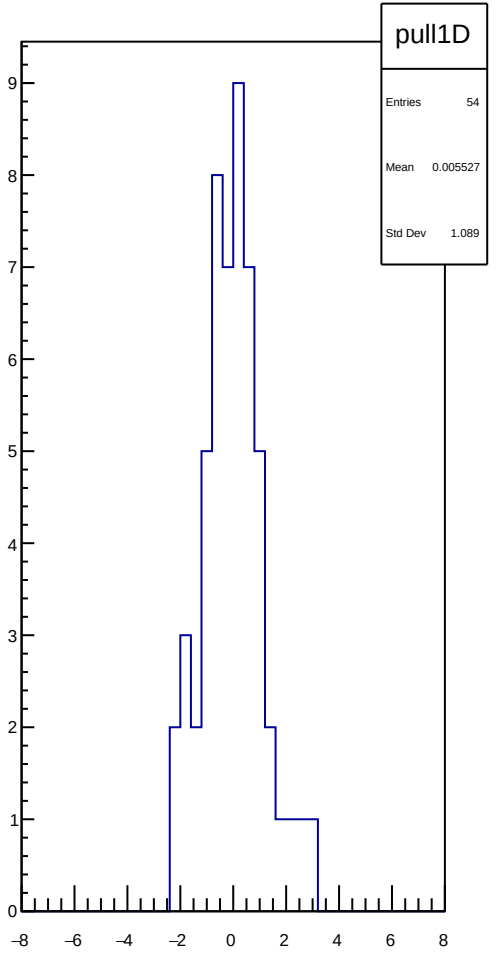

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.22e+04 / 53
p0 44.27 ± 0.04496
100
90
80
70
60
50
40
30

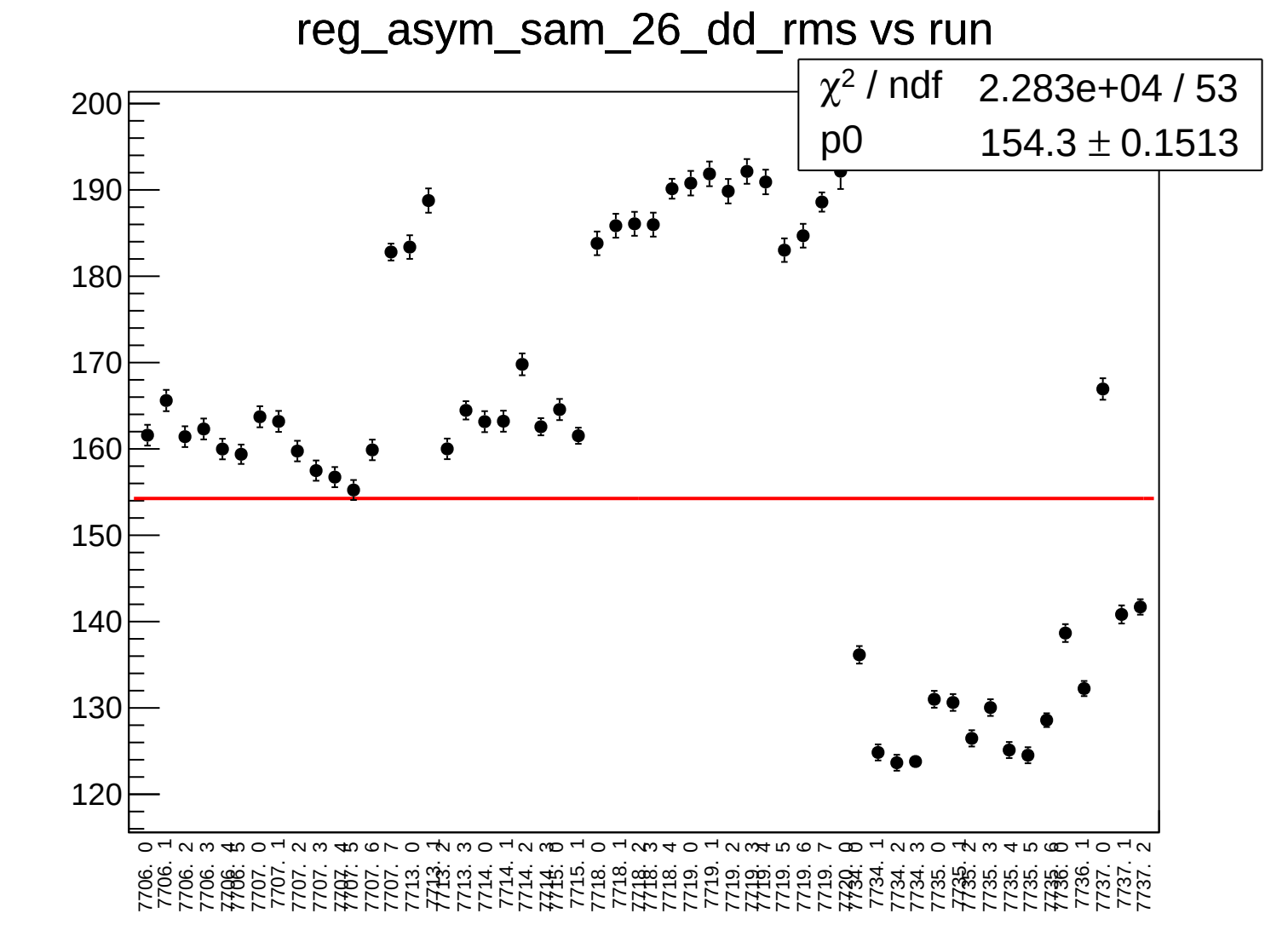

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.34 / 53
p0 4.73e−14 ± 4.984e−14
pull
Entries 54
Mean −80.45
Std Dev 0

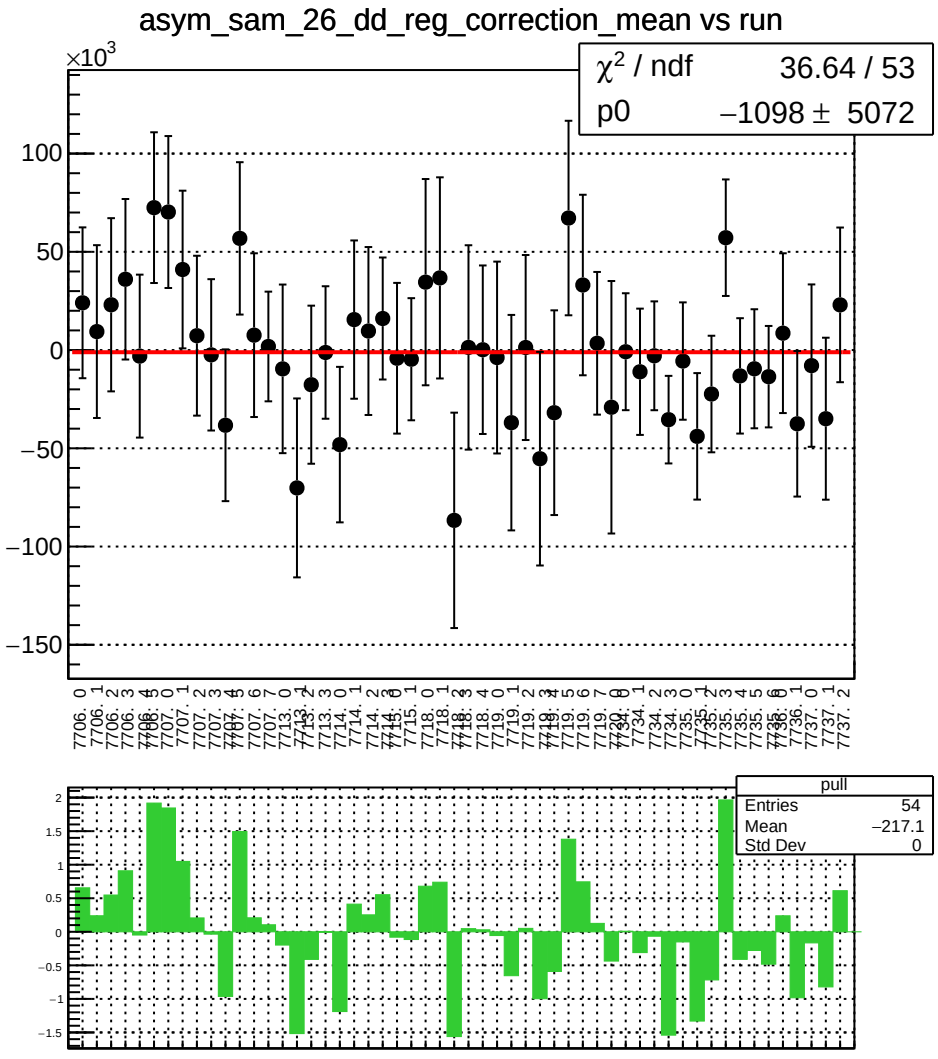

pull1D
Entries 54
Mean −0.05467
Std Dev 1.038

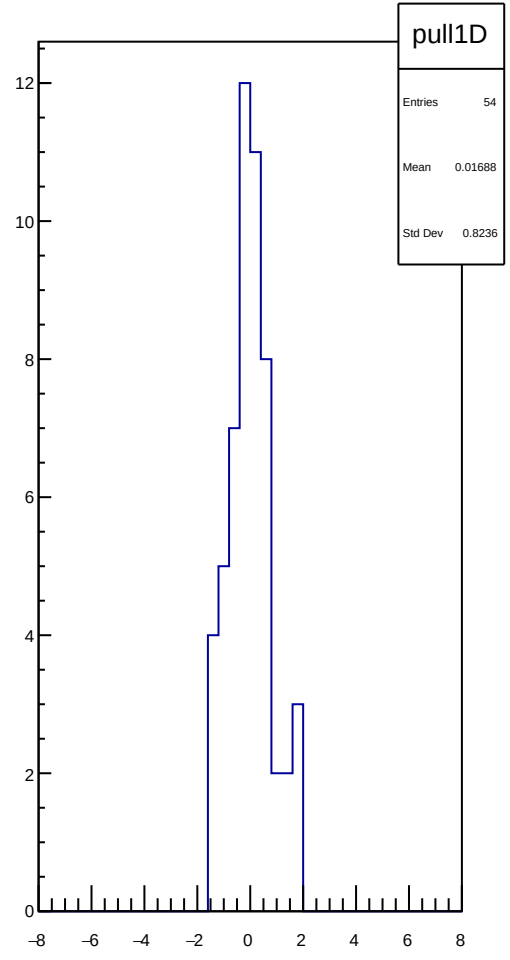

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.561e+05 / 53
p0 2.743e−11 ± 3.524e−14
0.3
0.25
0.2
0.15
0.1
0.05

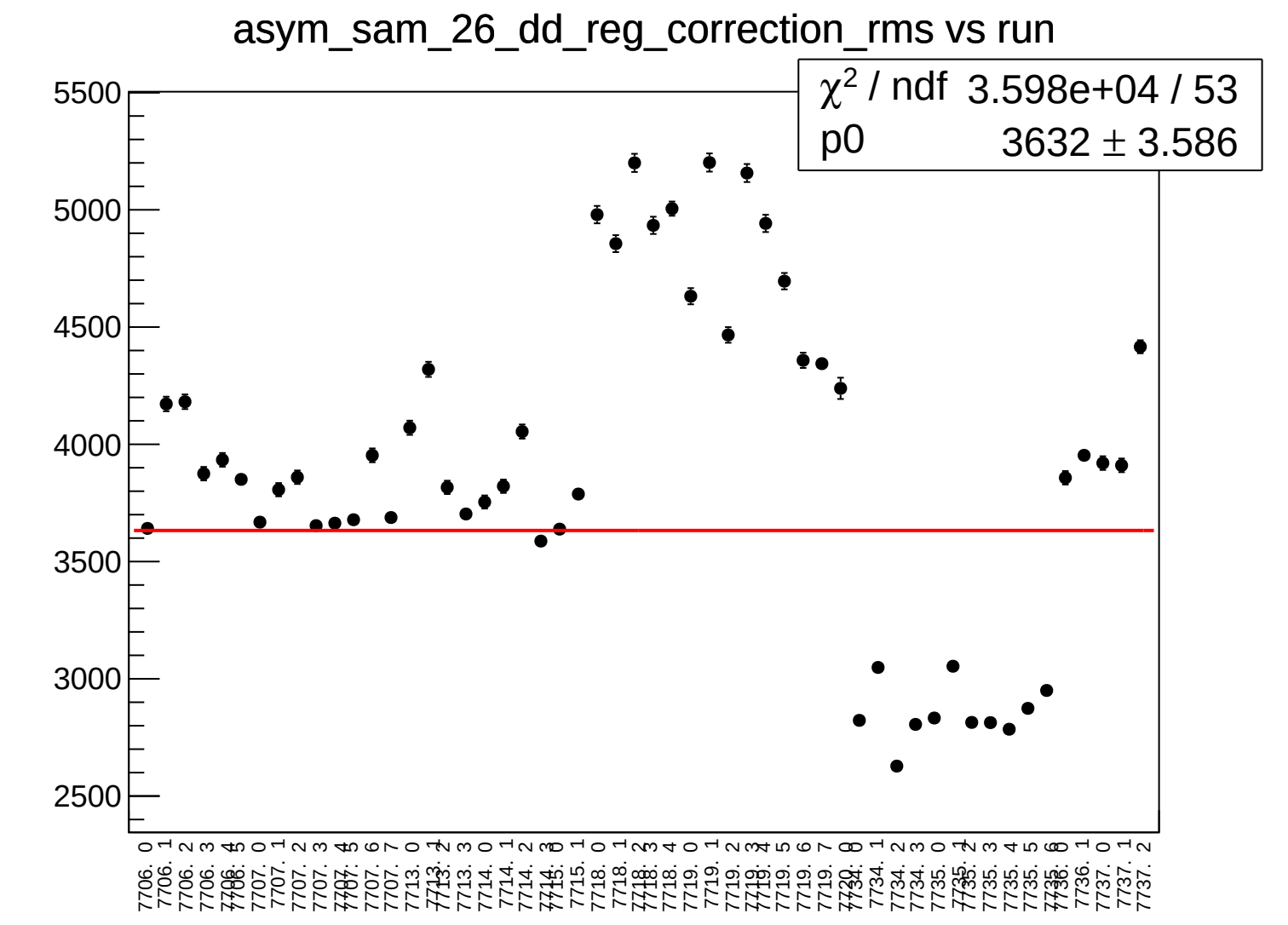

reg_asym_sam_26_dd_mean vs run
χ² / ndf 64.09 / 53
p0 157.2 ± 214
pull
Entries 54
Mean 231.7
Std Dev 0

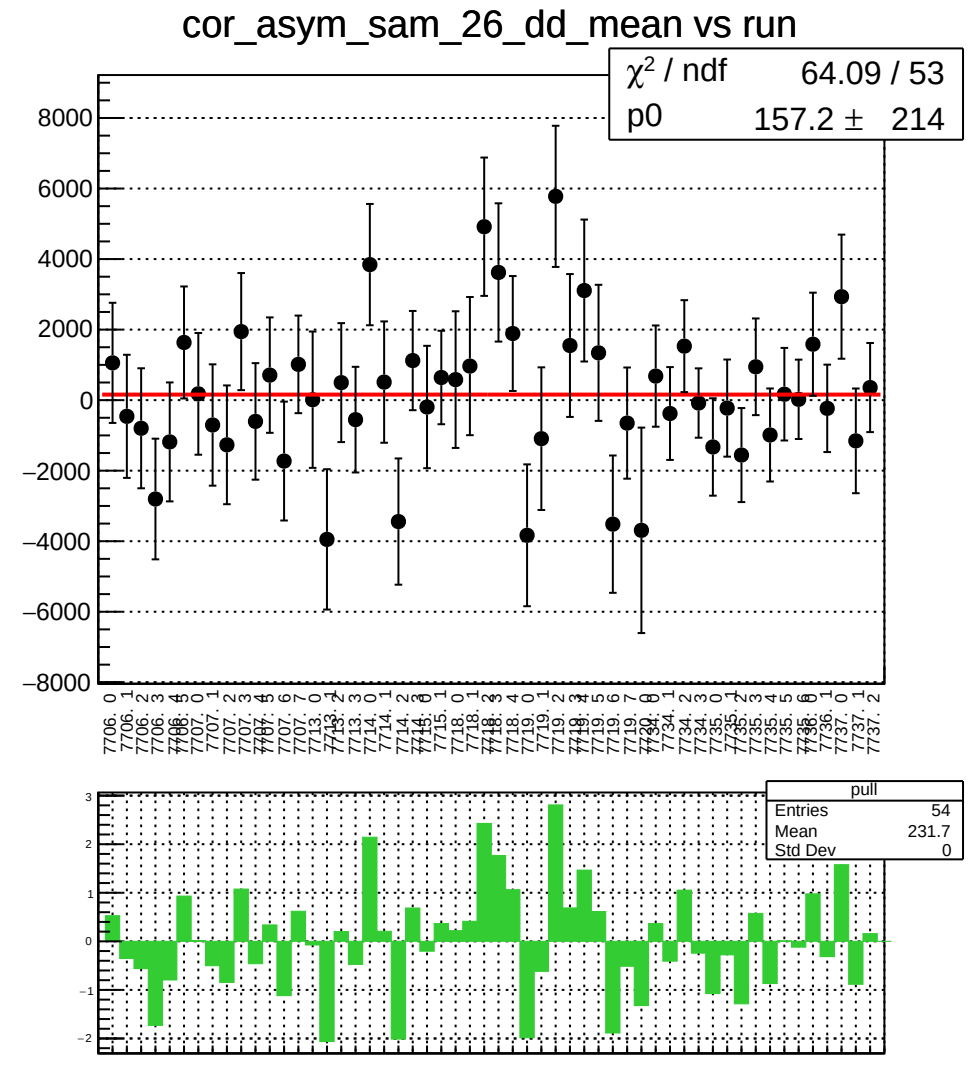

pull1D
Entries 54
Mean 0.005527
Std Dev 1.089

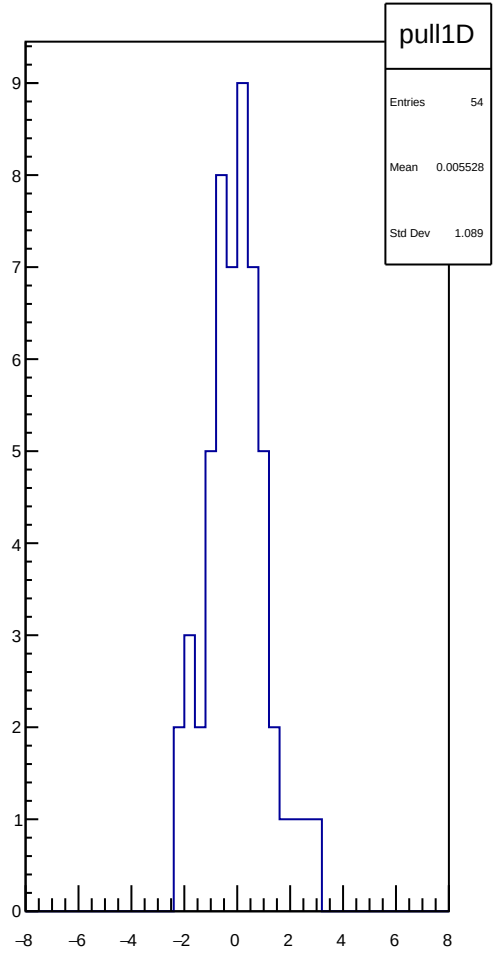

reg_asym_sam_26_dd_rms vs run
χ² / ndf 2.283e+04 / 53
p0 154.3 ± 0.1513
200
190
180
170
160
150
140
130
120

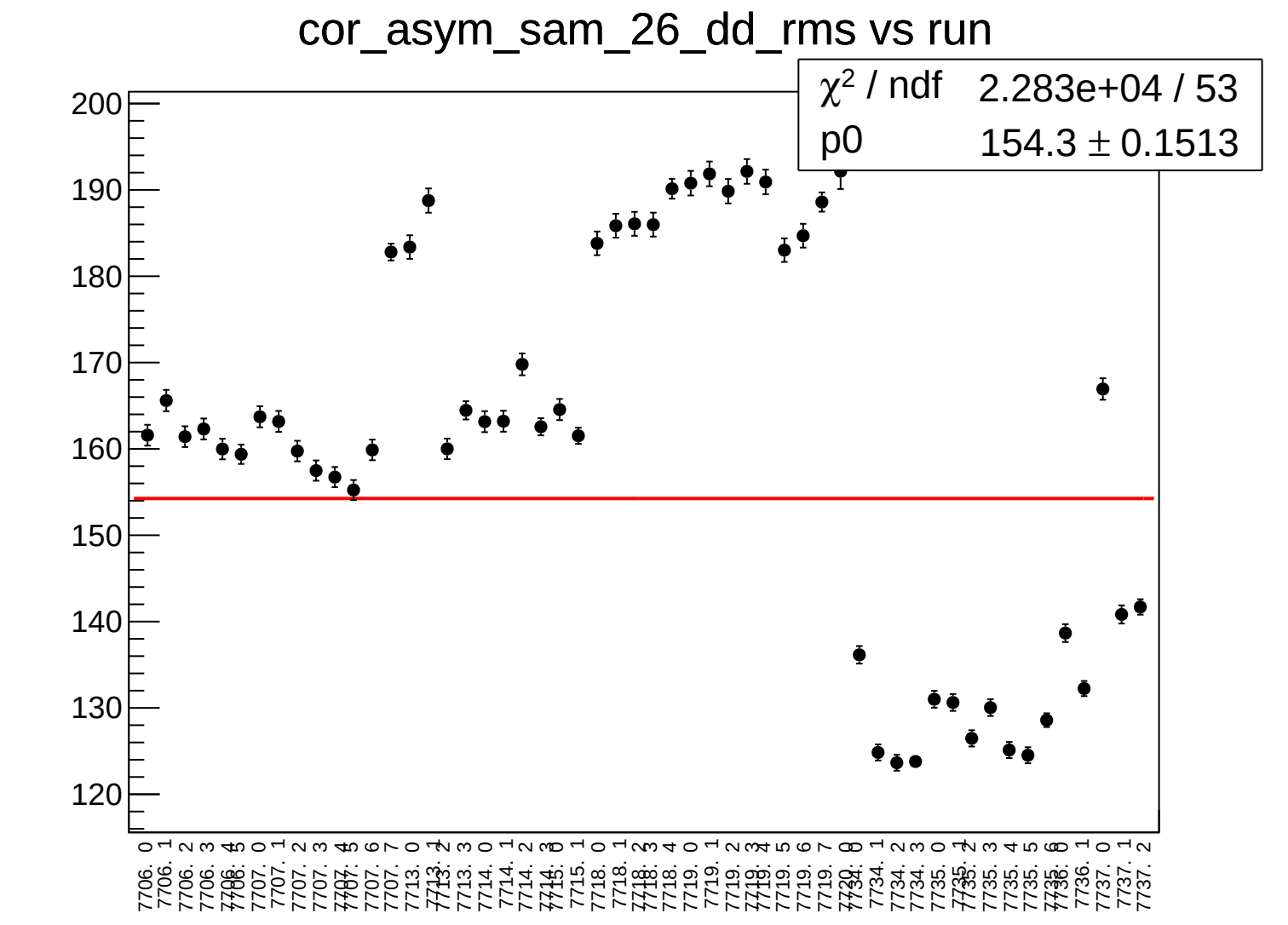

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 36.64 / 53
p0 −1098 ± 5072
100
50
0
−50
−100
−150
pull
Entries 54
Mean −217.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

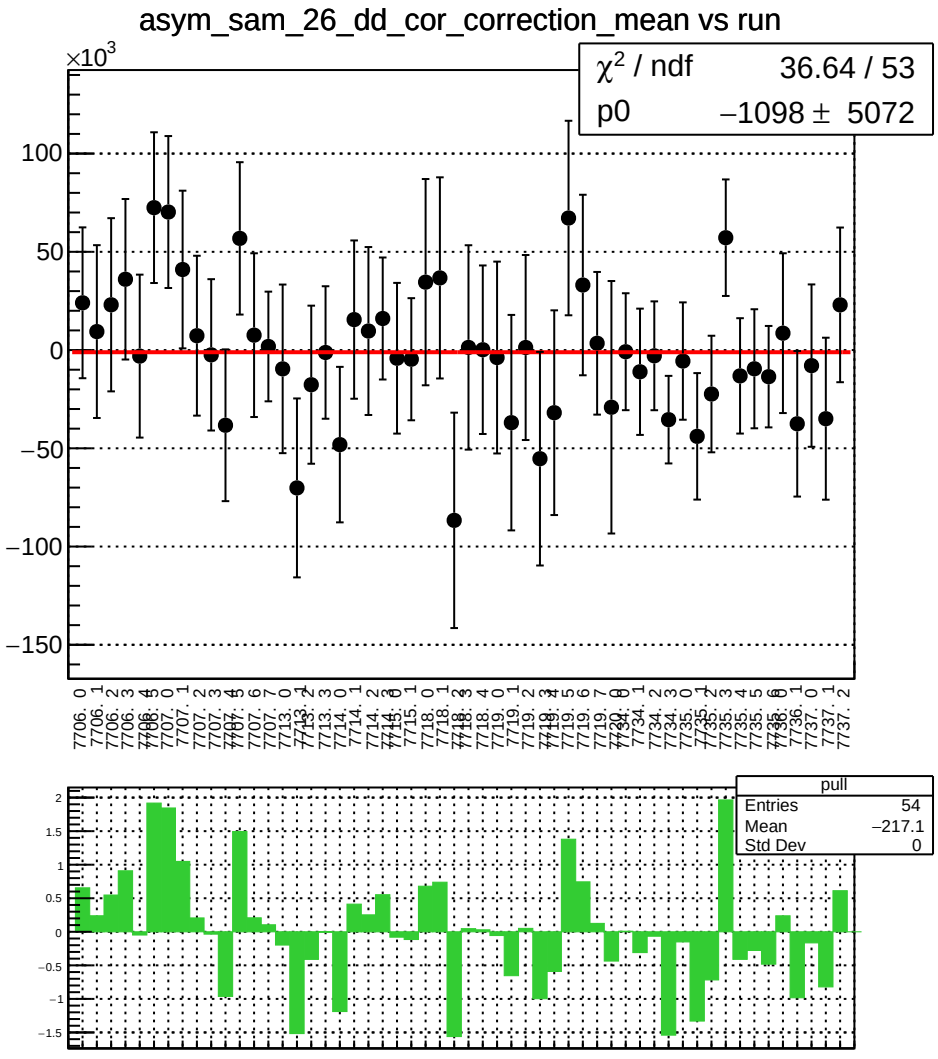

pull1D
Entries 54
Mean 0.01688
Std Dev 0.8236
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

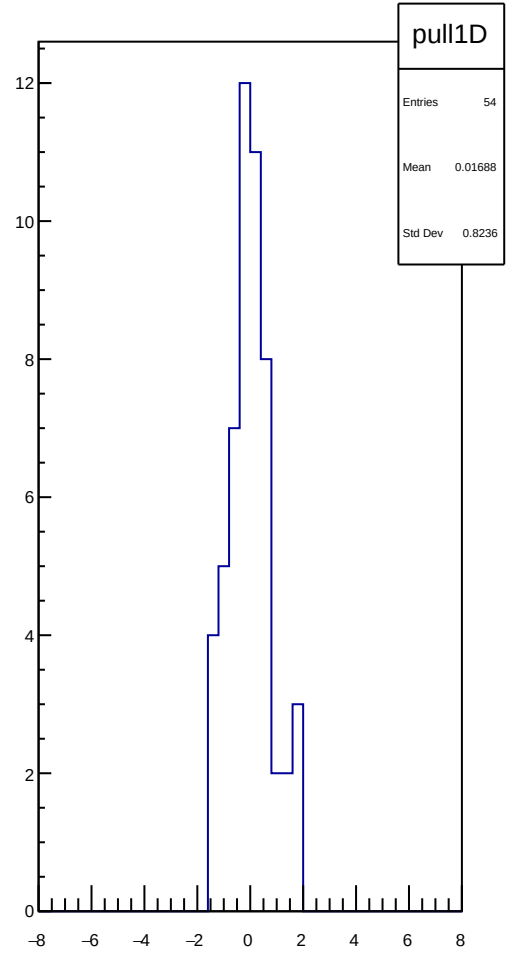

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 3.598e+04 / 53
p0 3632 ± 3.586
5500
5000
4500
4000
3500
3000
2500

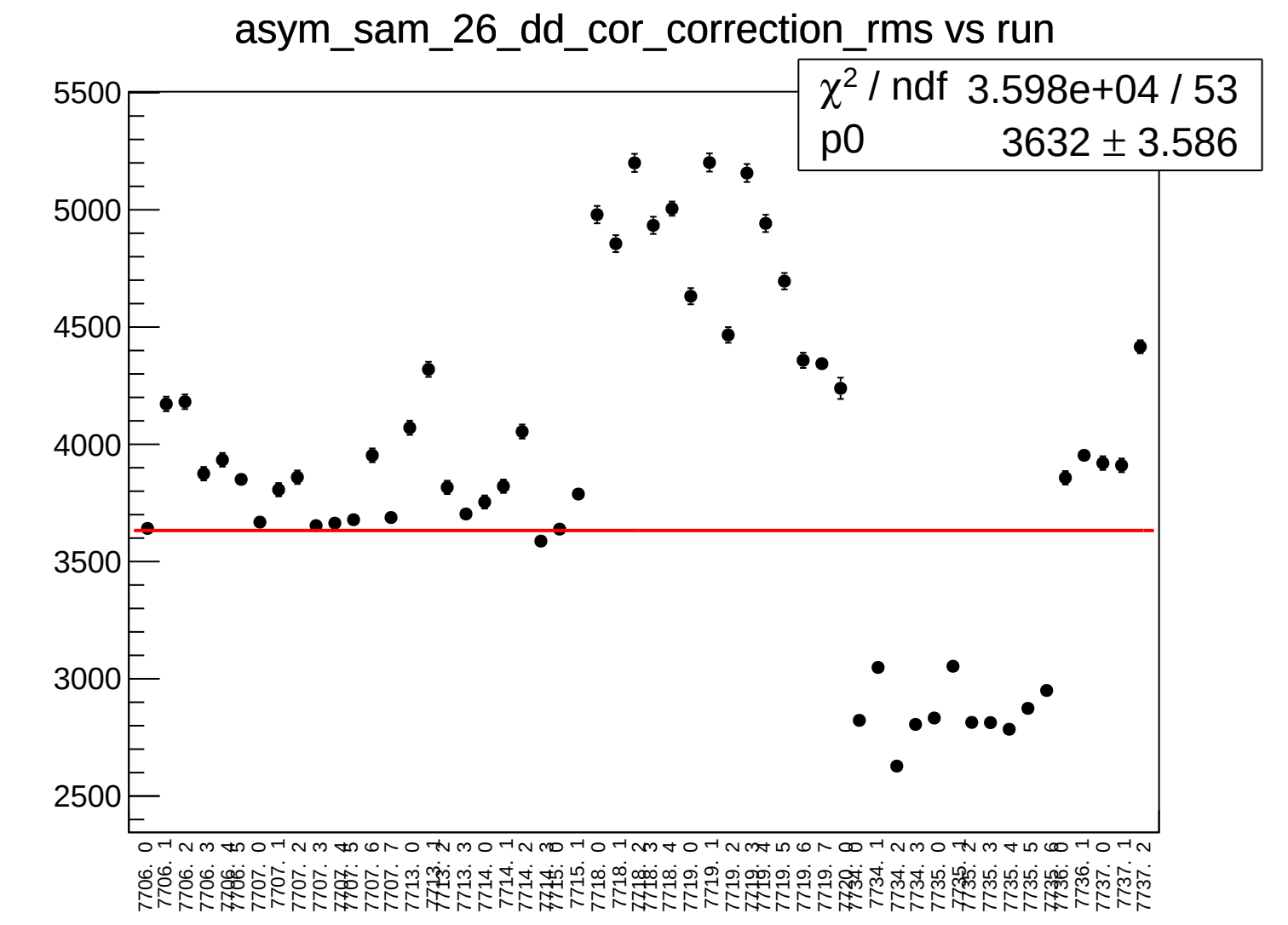

cor_asym_sam_26_dd_mean vs run
χ² / ndf 64.09 / 53
p0 157.2 ± 214
pull
Entries 54
Mean 231.7
Std Dev 0

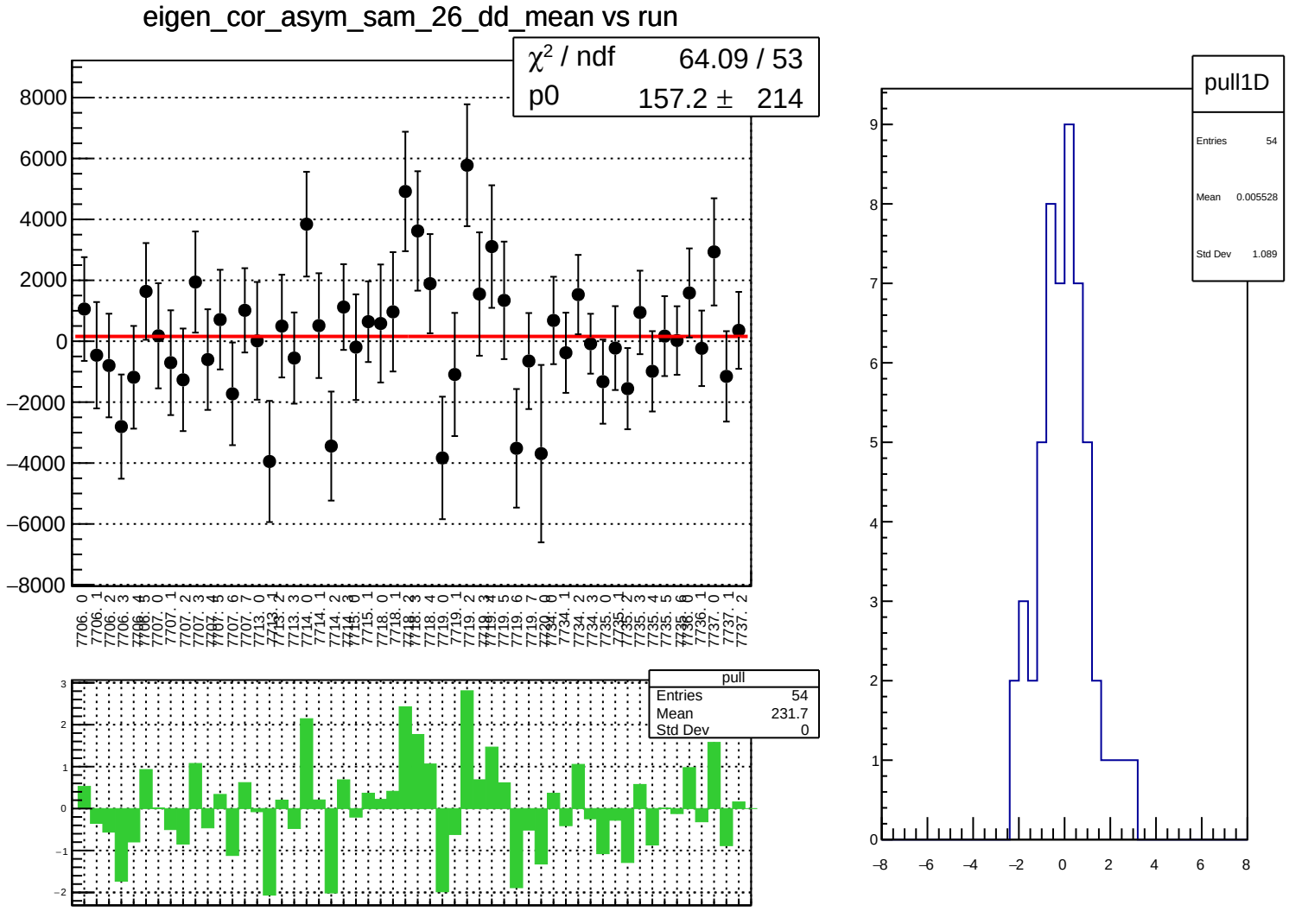

pull1D
Entries 54
Mean 0.005528
Std Dev 1.089

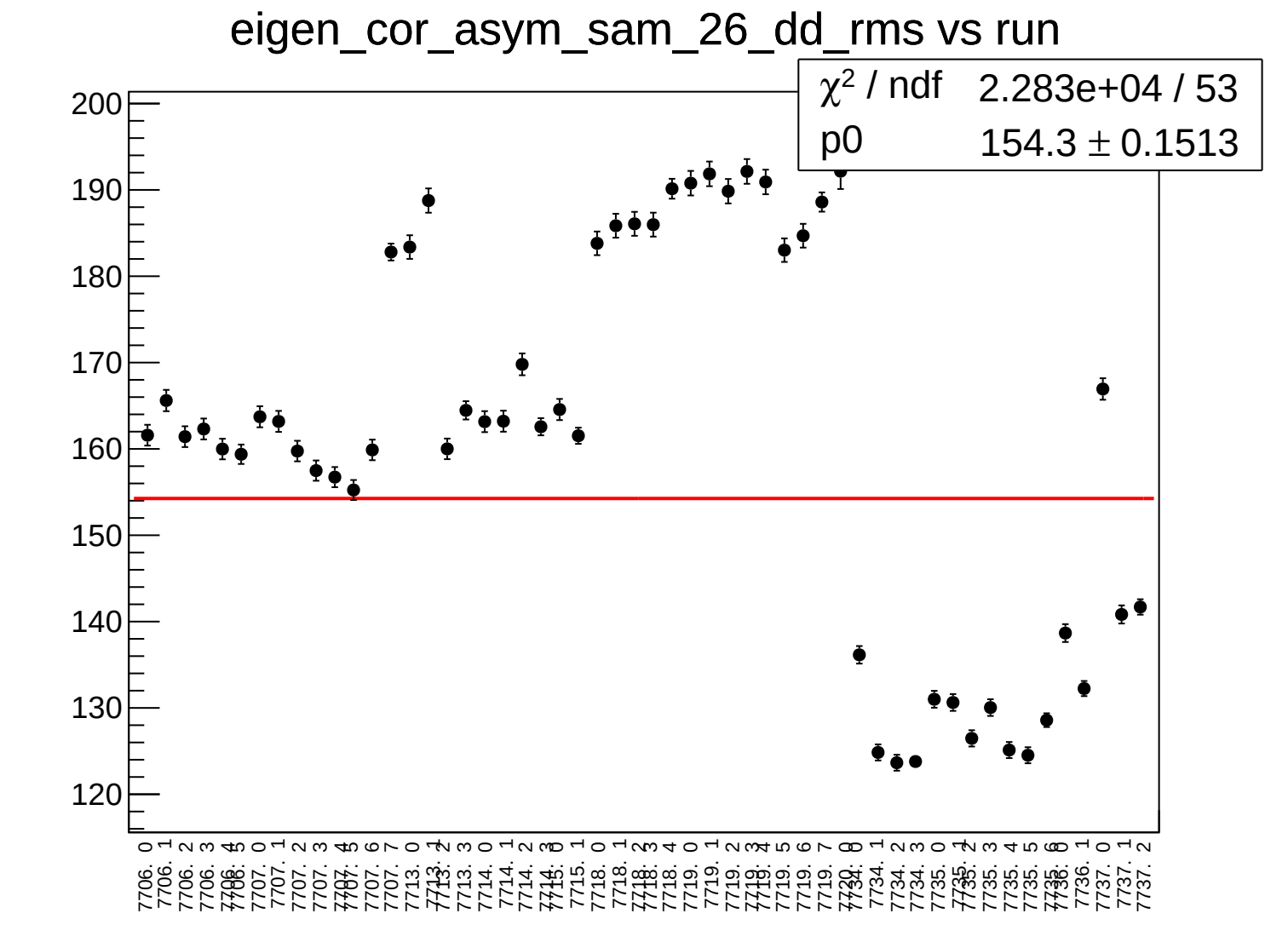

cor_asym_sam_26_dd_rms vs run
χ² / ndf 2.283e+04 / 53
p0 154.3 ± 0.1513
200
190
180
170
160
150
140
130
120

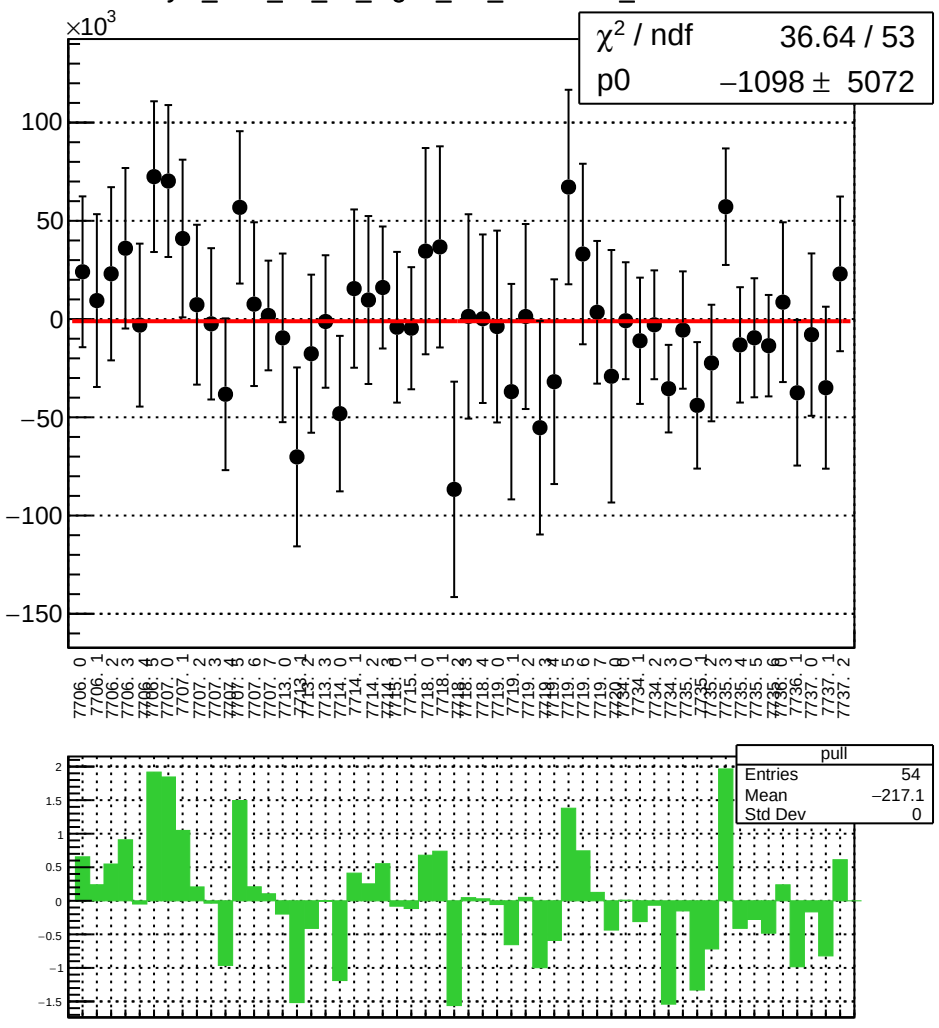

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 36.64 / 53
p0 −1098 ± 5072
100
50
0
−50
−100
−150
pull
Entries 54
Mean −217.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

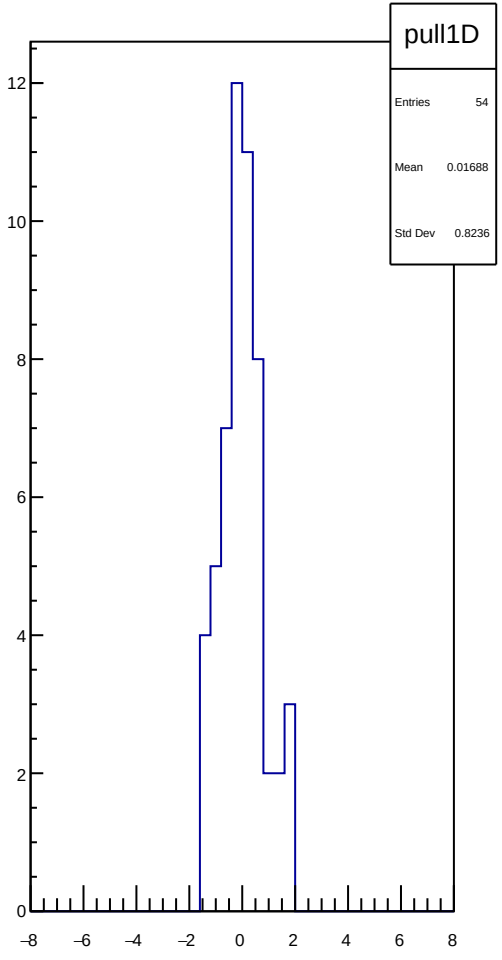

pull1D
Entries 54
Mean 0.01688
Std Dev 0.8236
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

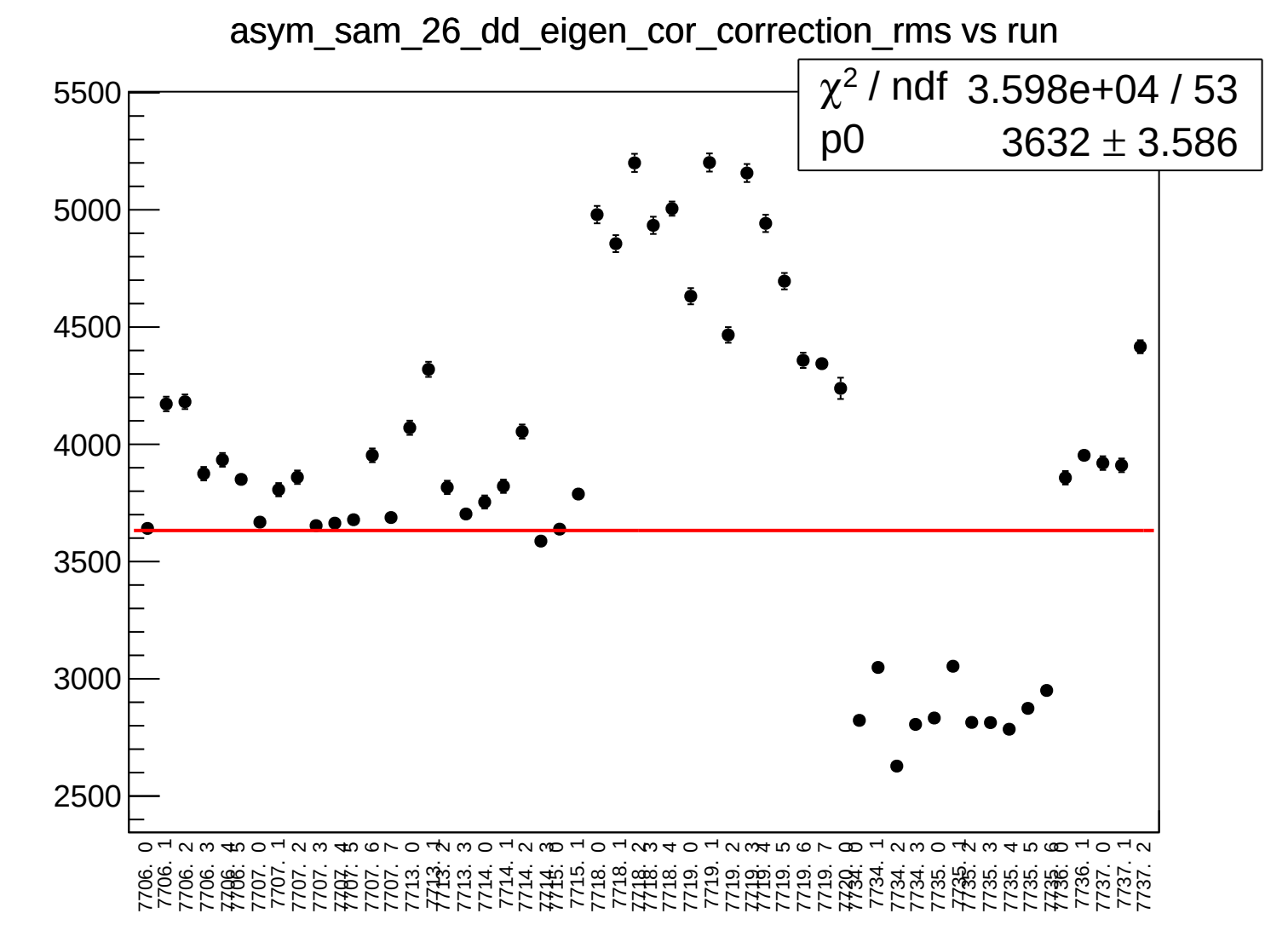

asym_sam_26_dd_cor_correction_rms vs run
χ^2 / ndf 3.598e+04 / 53
p0 3632 ± 3.586
5500
5000
4500
4000
3500
3000
2500

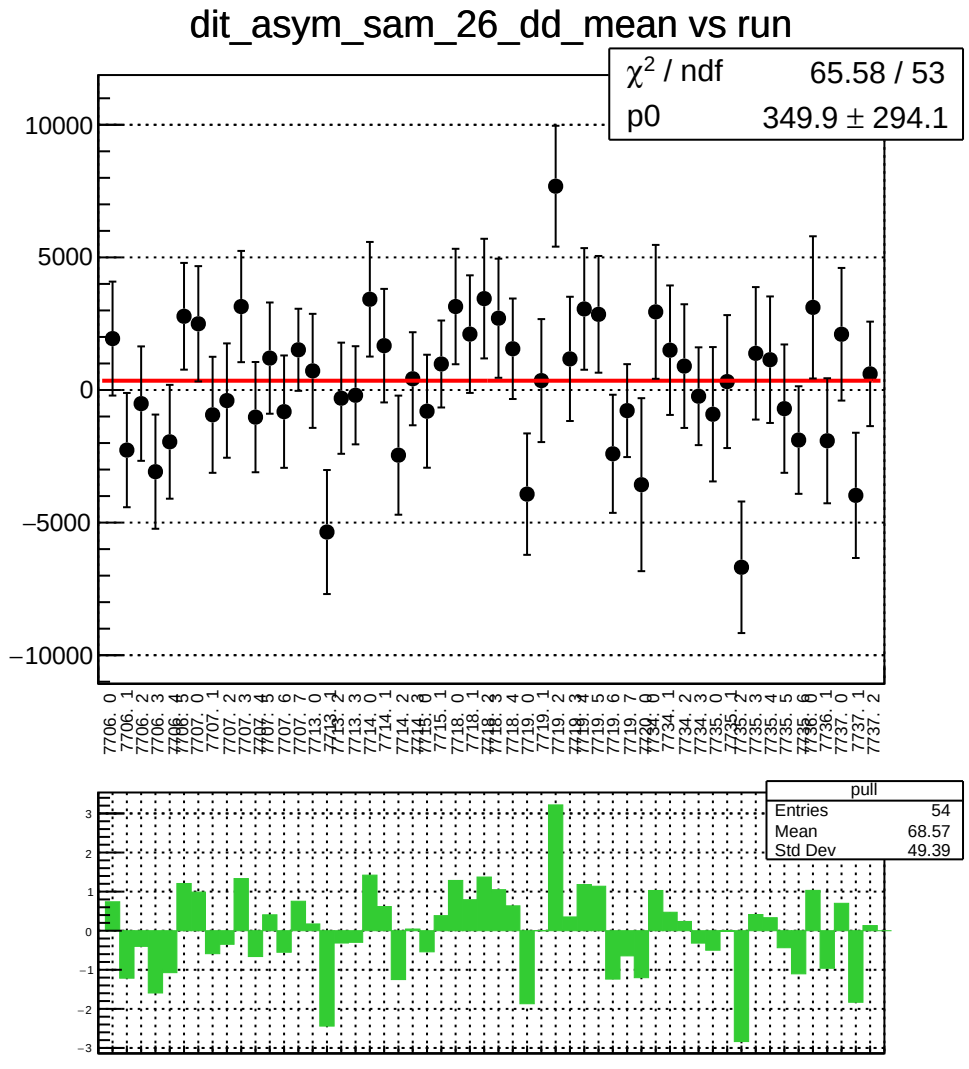

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 64.09 / 53
p0 157.2 ± 214
pull
Entries 54
Mean 231.7
Std Dev 0
pull1D
Entries 54
Mean 0.005528
Std Dev 1.089

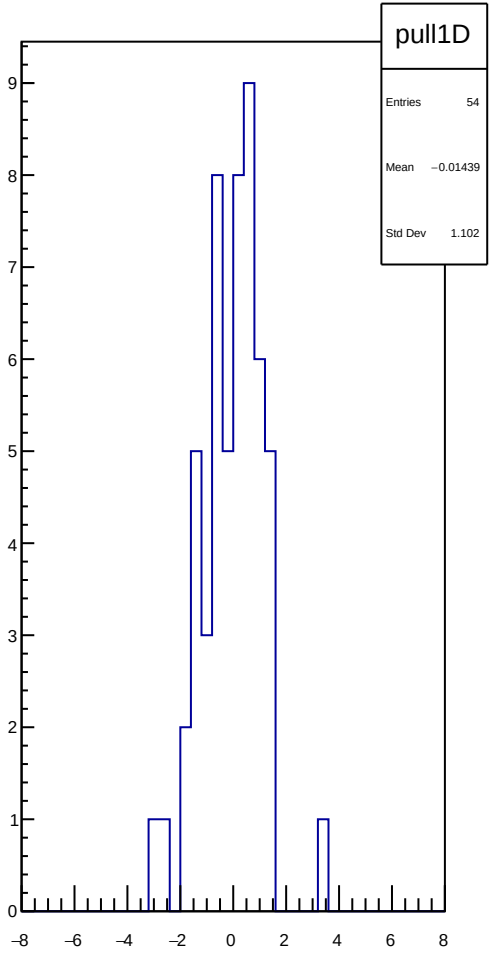

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 2.283e+04 / 53
p0 154.3 ± 0.1513
200
190
180
170
160
150
140
130
120

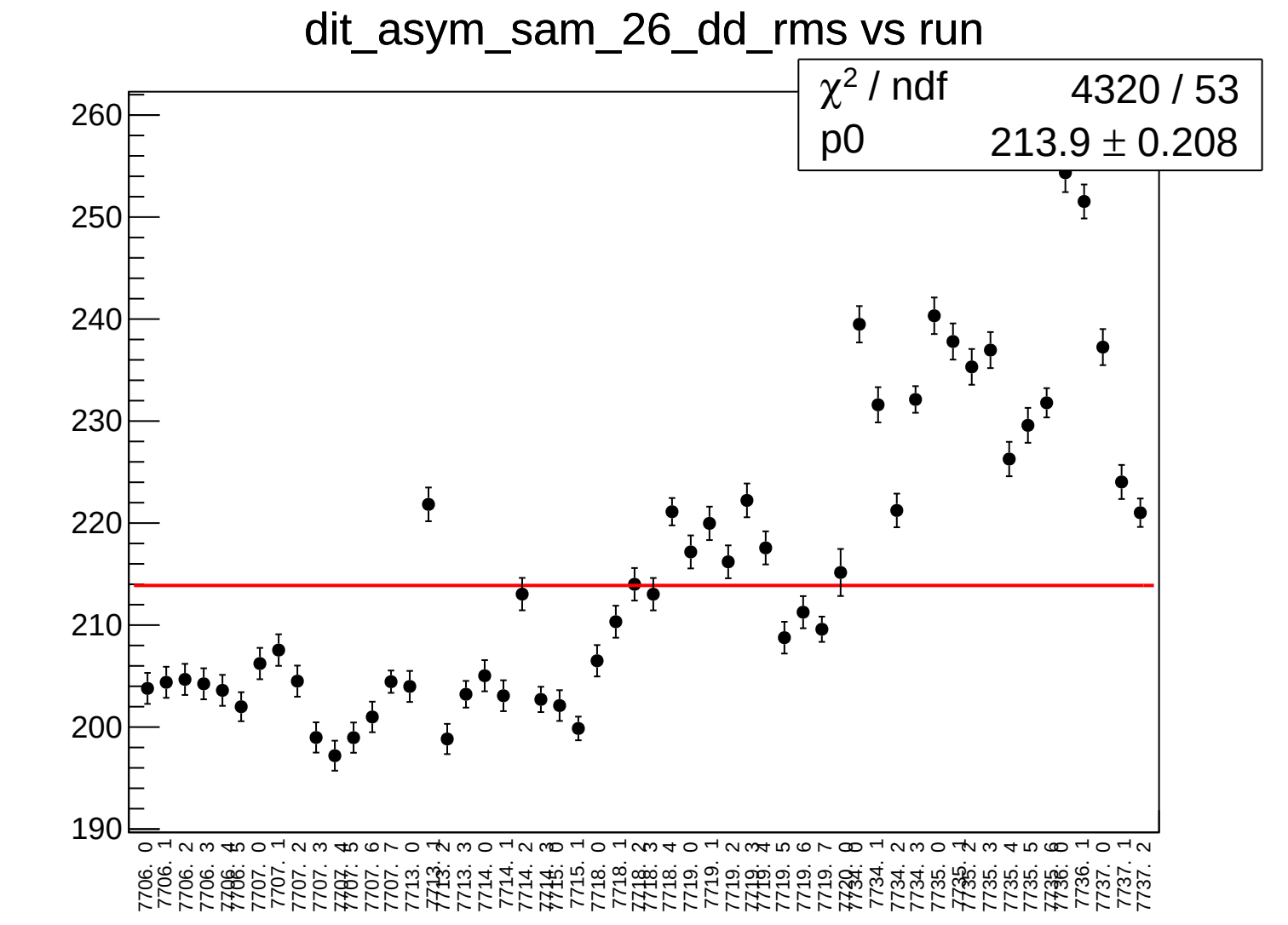

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 36.64 / 53
p0 −1098 ± 5072
100
50
0
−50
−100
−150
pull
Entries 54
Mean −217.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

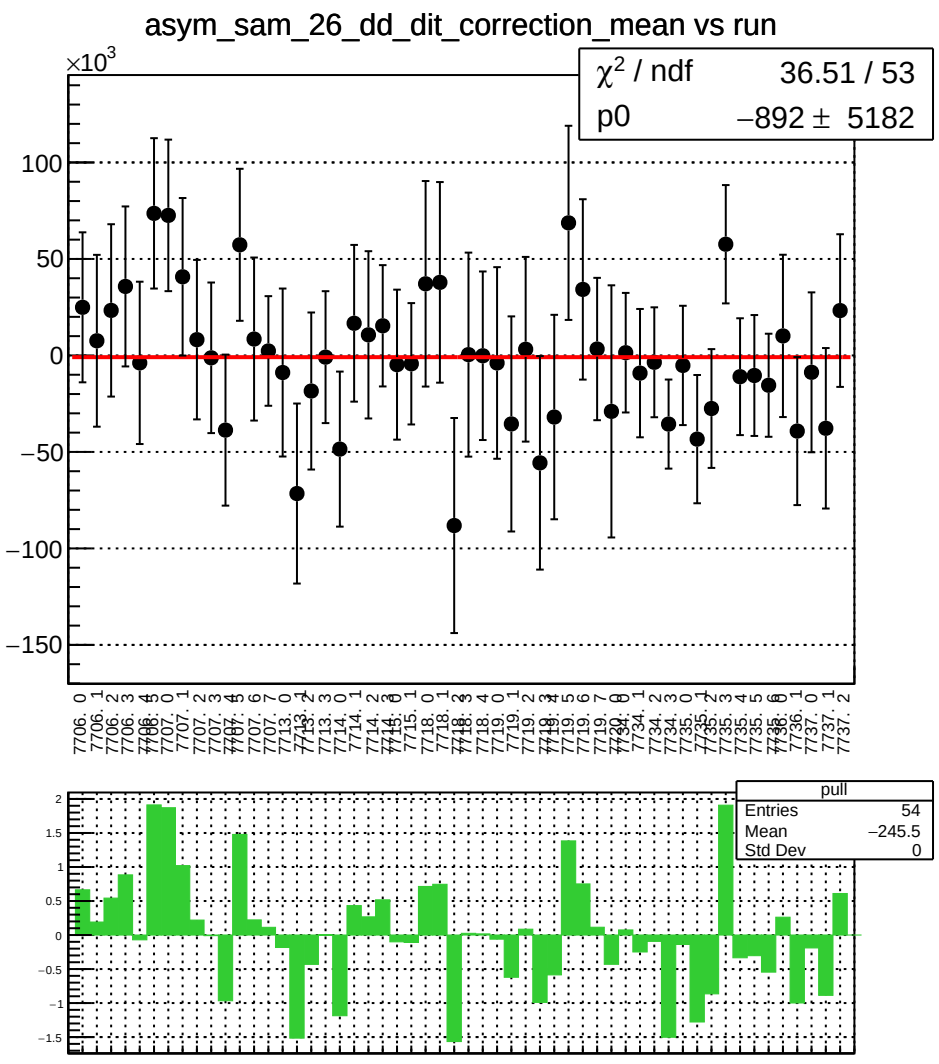

pull1D
Entries 54
Mean 0.01688
Std Dev 0.8236
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

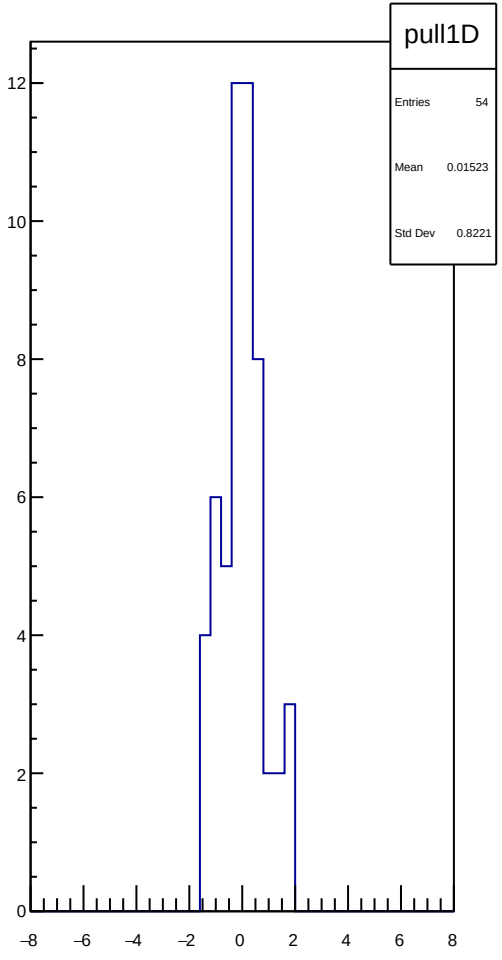

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.598e+04 / 53
p0 3632 ± 3.586
5500
5000
4500
4000
3500
3000
2500

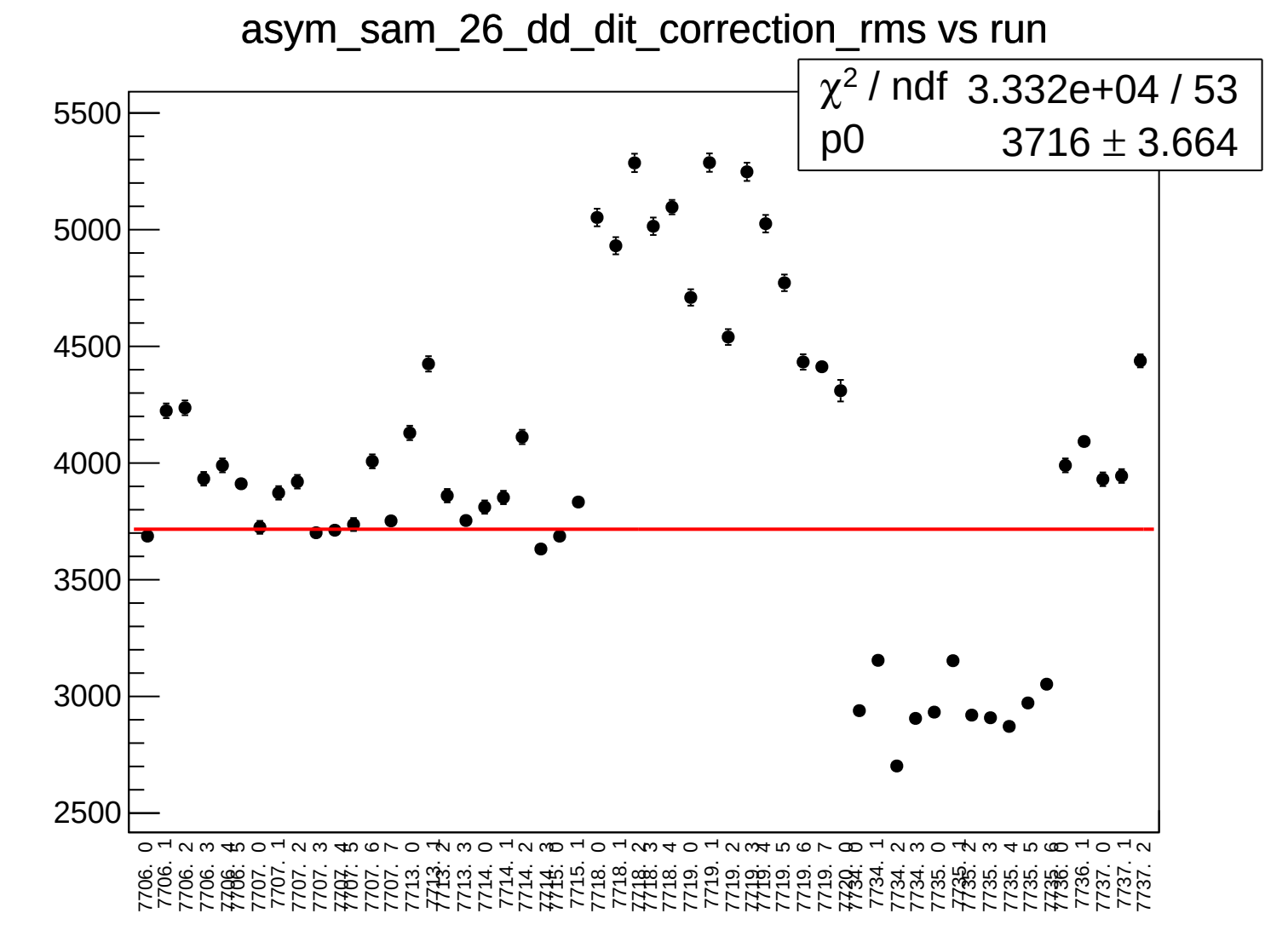

dit_asym_sam_26_dd_mean vs run
χ² / ndf 65.58 / 53
p0 349.9 ± 294.1
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 68.57
Std Dev 49.39
3
2
1
0
−1
−2
−3

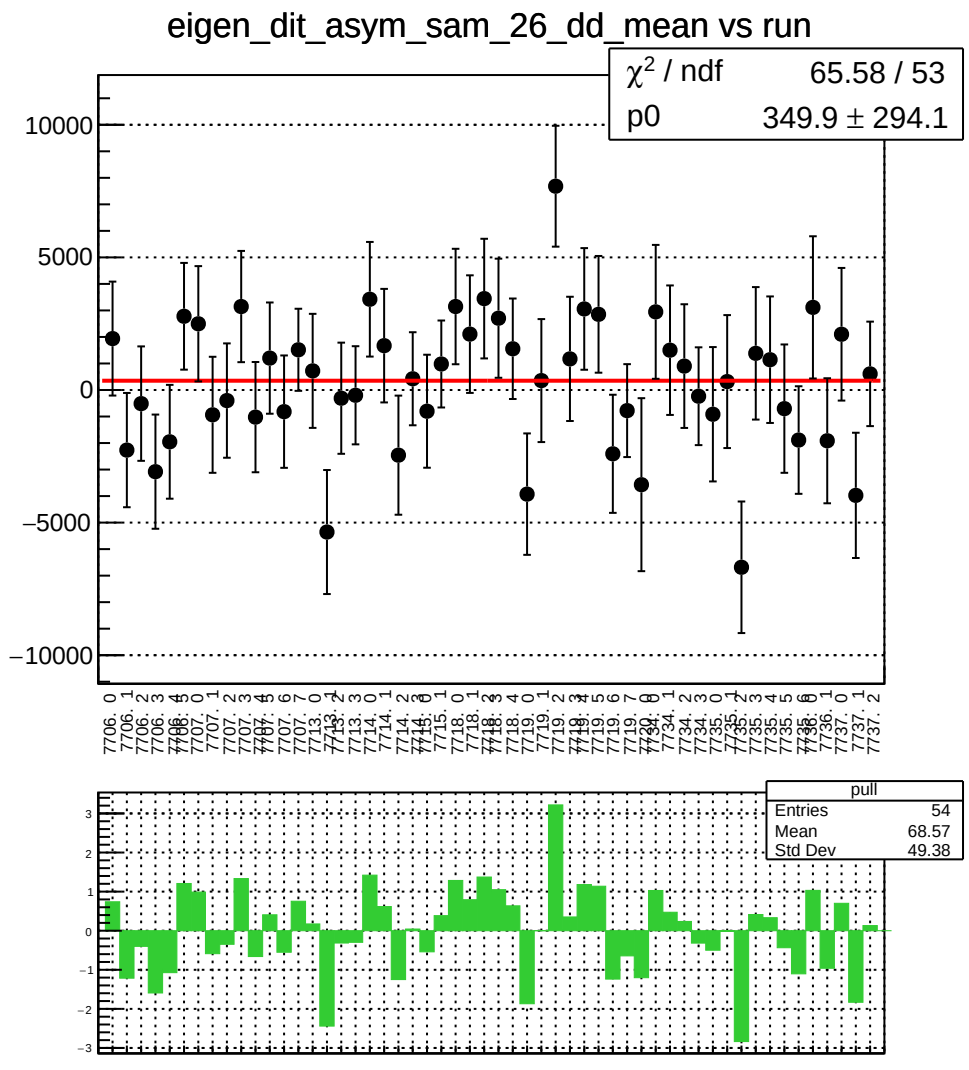

pull1D
Entries 54
Mean −0.01439
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

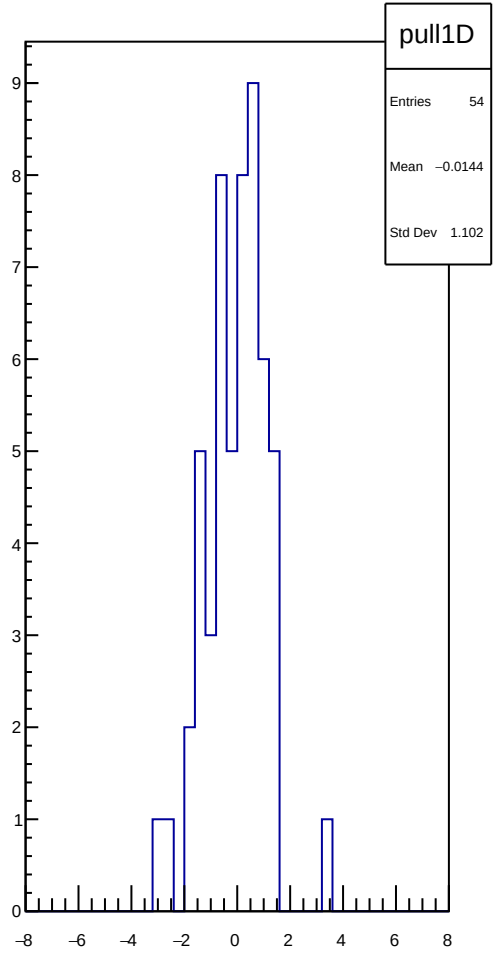

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4320 / 53
p0 213.9 ± 0.208
260
250
240
230
220
210
200
190

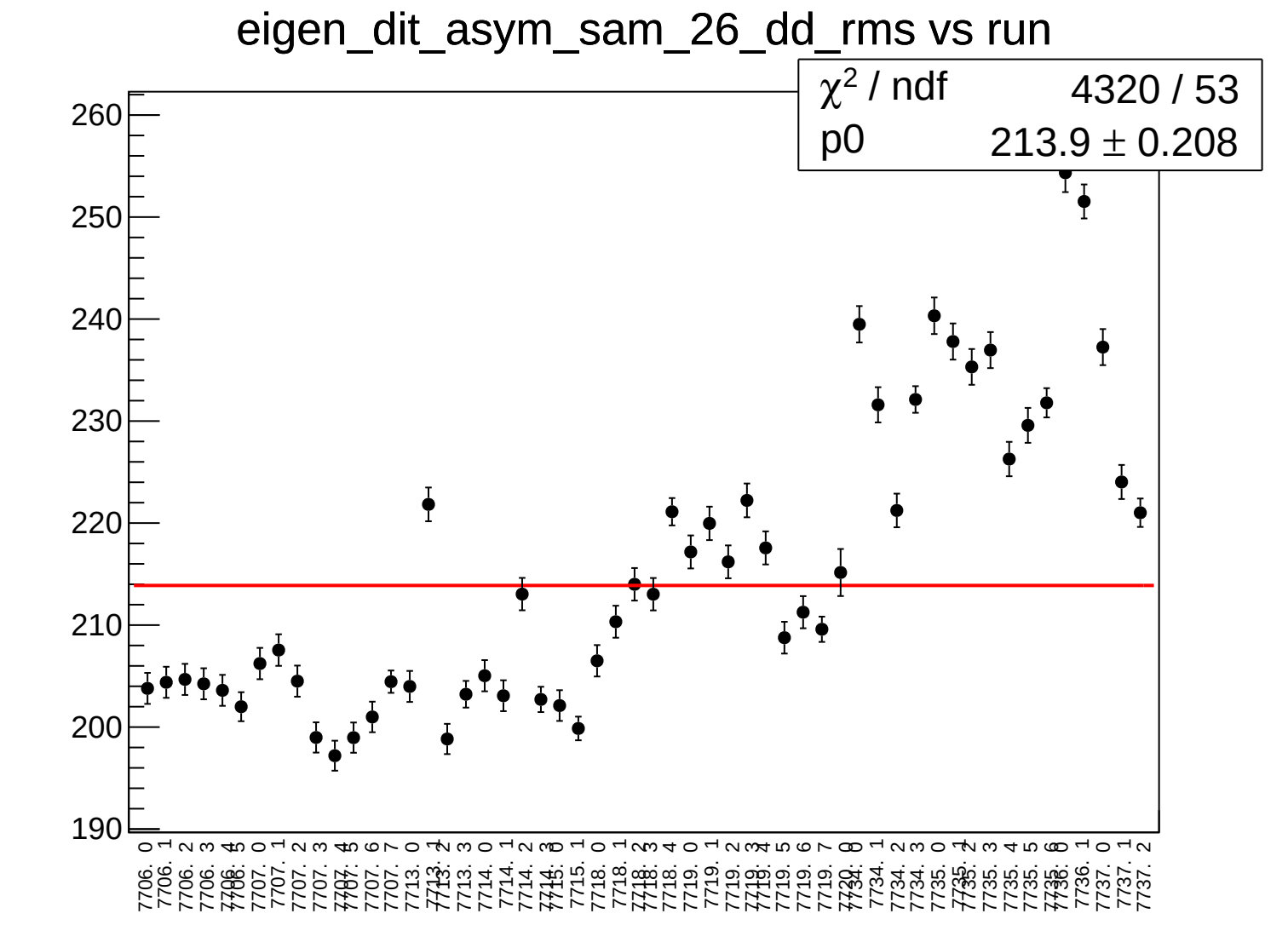

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 36.51 / 53
p0 −892 ± 5182
100
50
0
−50
−100
−150
pull
Entries 54
Mean −245.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

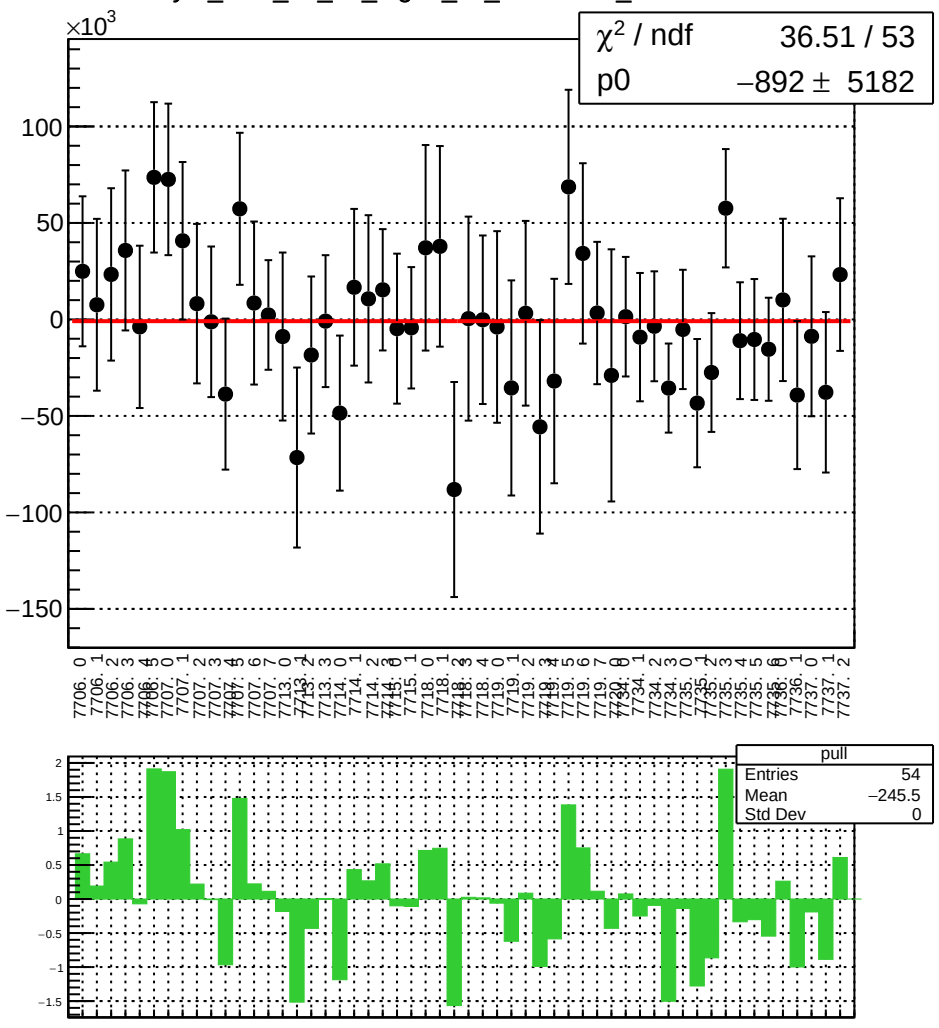

pull1D
Entries 54
Mean 0.01523
Std Dev 0.8221
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

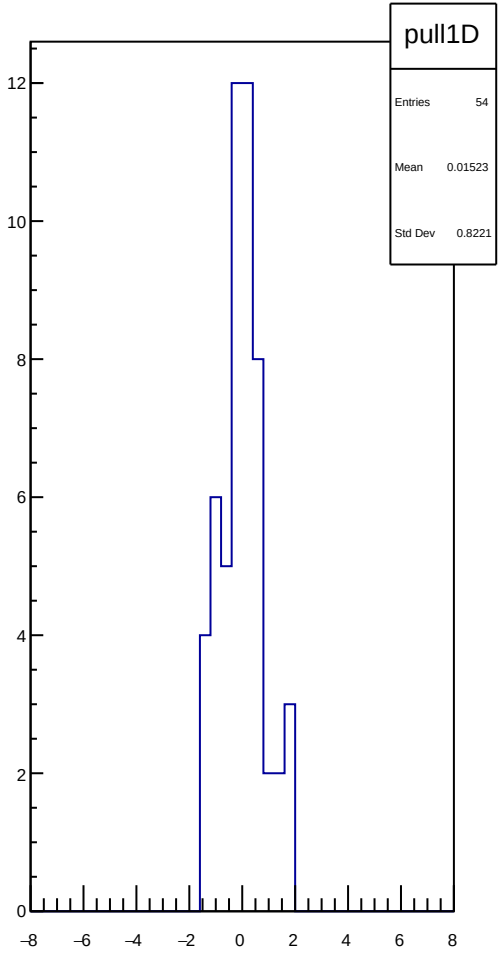

asym_sam_26_dd_dit_correction_rms vs run
χ^2 / ndf 3.332e+04 / 53
p0 3716 ± 3.664
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

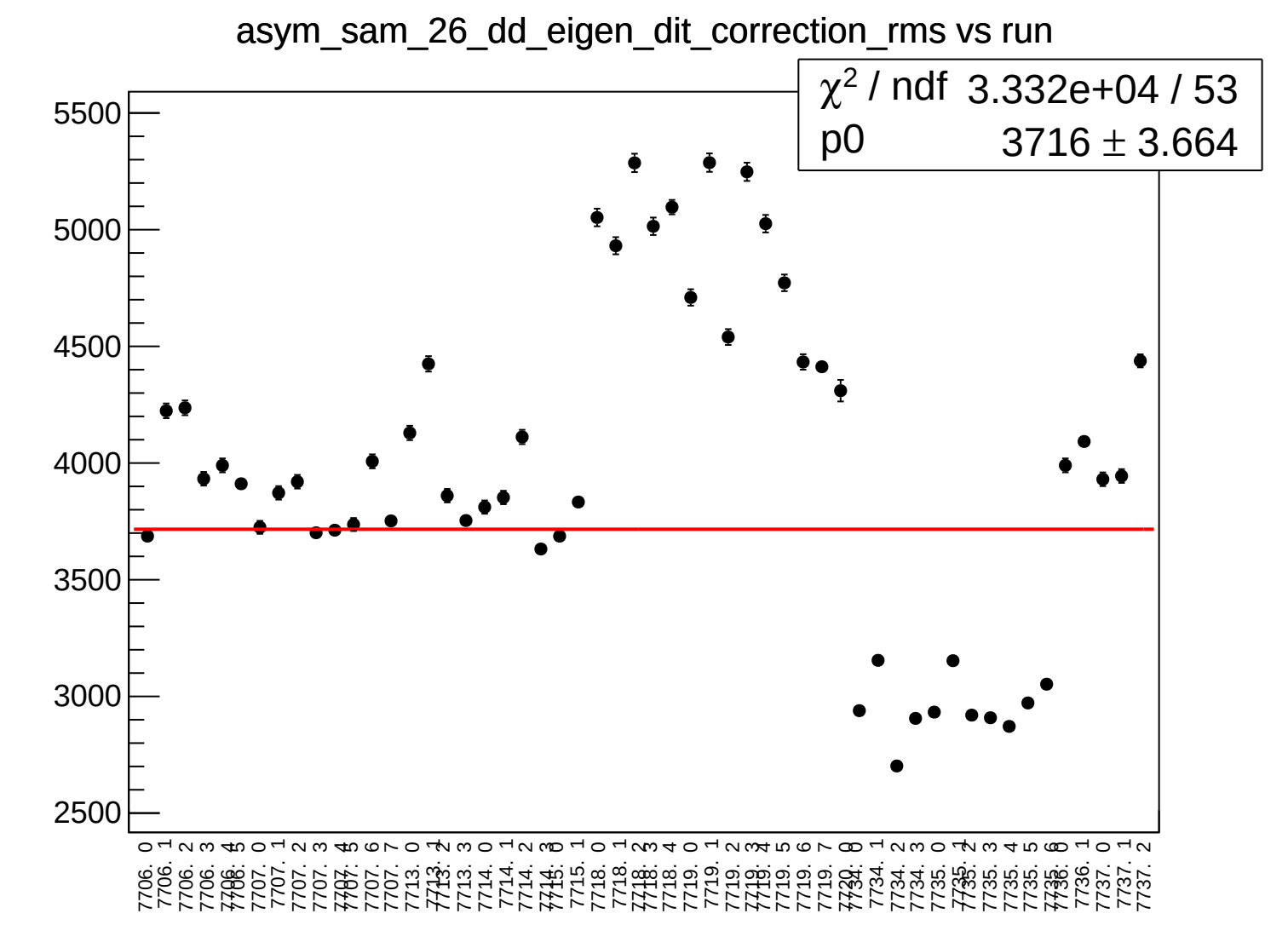

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 65.58 / 53
p0 349.9 ± 294.1
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 68.57
Std Dev 49.38
3
2
1
0
−1
−2
−3

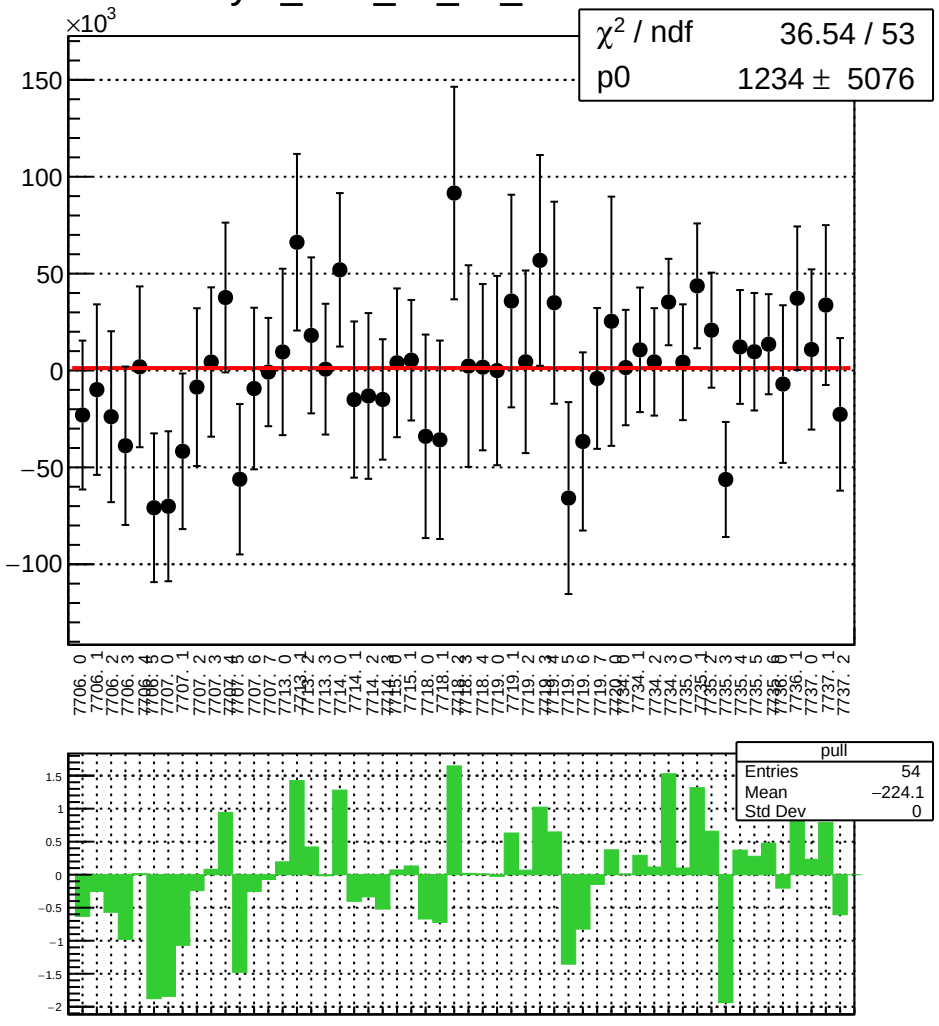

pull1D
Entries 54
Mean −0.0144
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

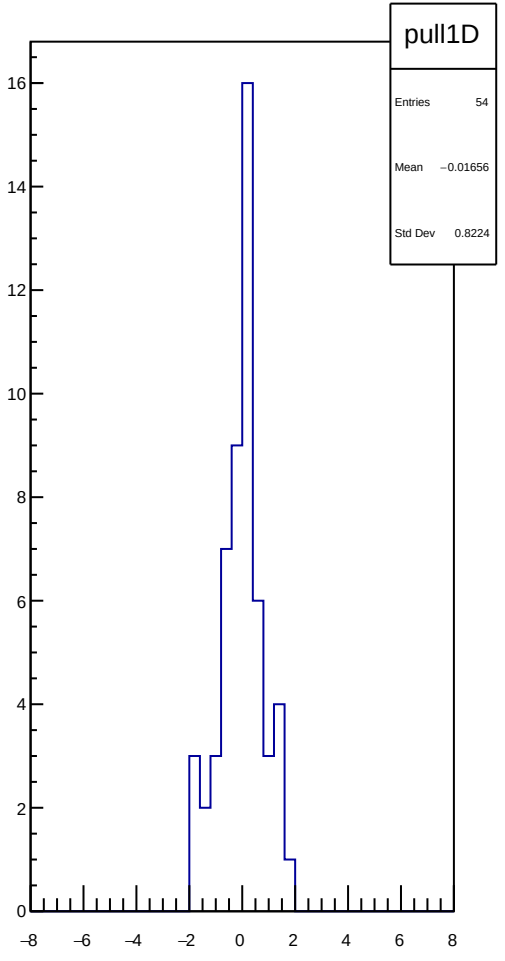

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 4320 / 53
p0 213.9 ± 0.208
260
250
240
230
220
210
200
190
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

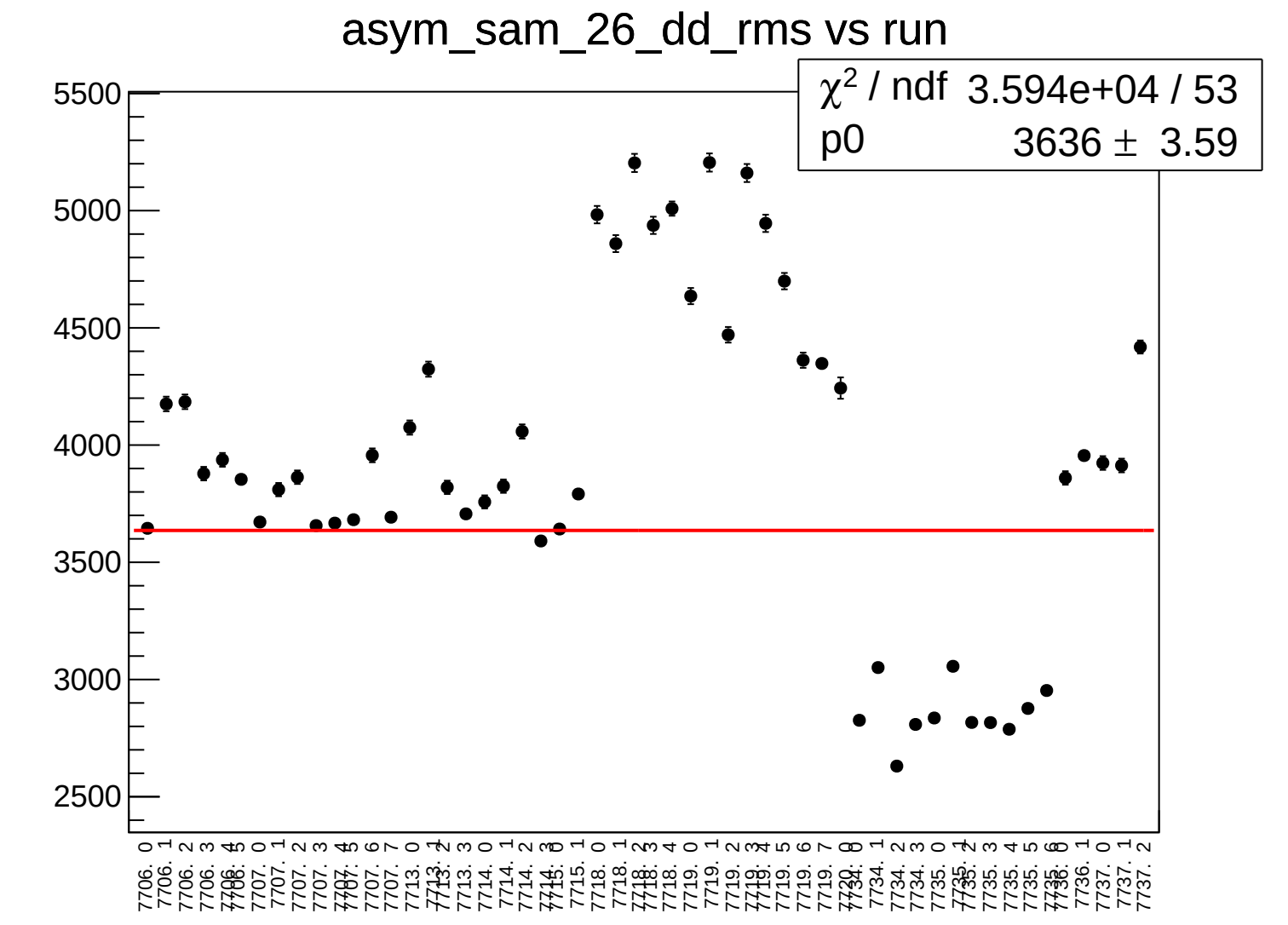

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.51 / 53
p0 −892 ± 5182
100
50
0
−50
−100
−150
pull
Entries 54
Mean −245.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

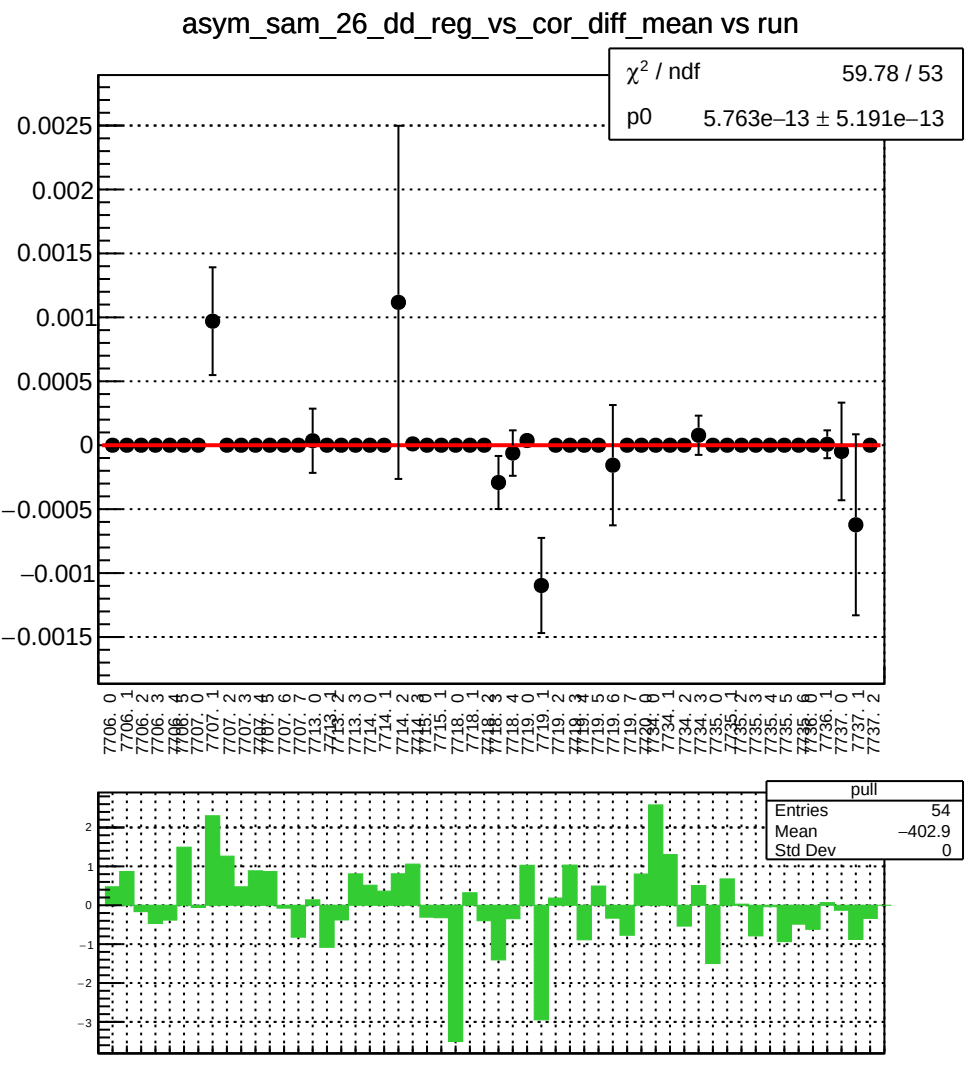

pull1D
Entries 54
Mean 0.01523
Std Dev 0.8221
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

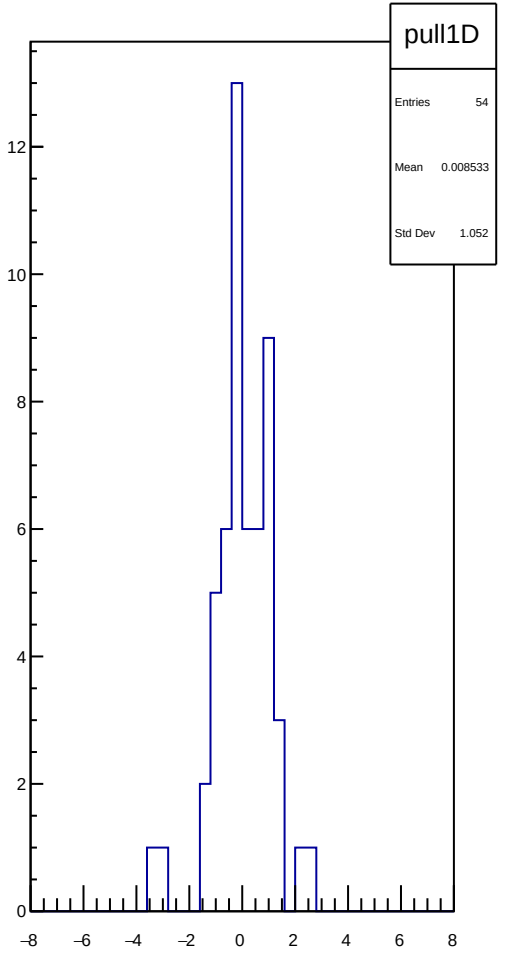

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 3.332e+04 / 53
p0 3716 ± 3.664
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

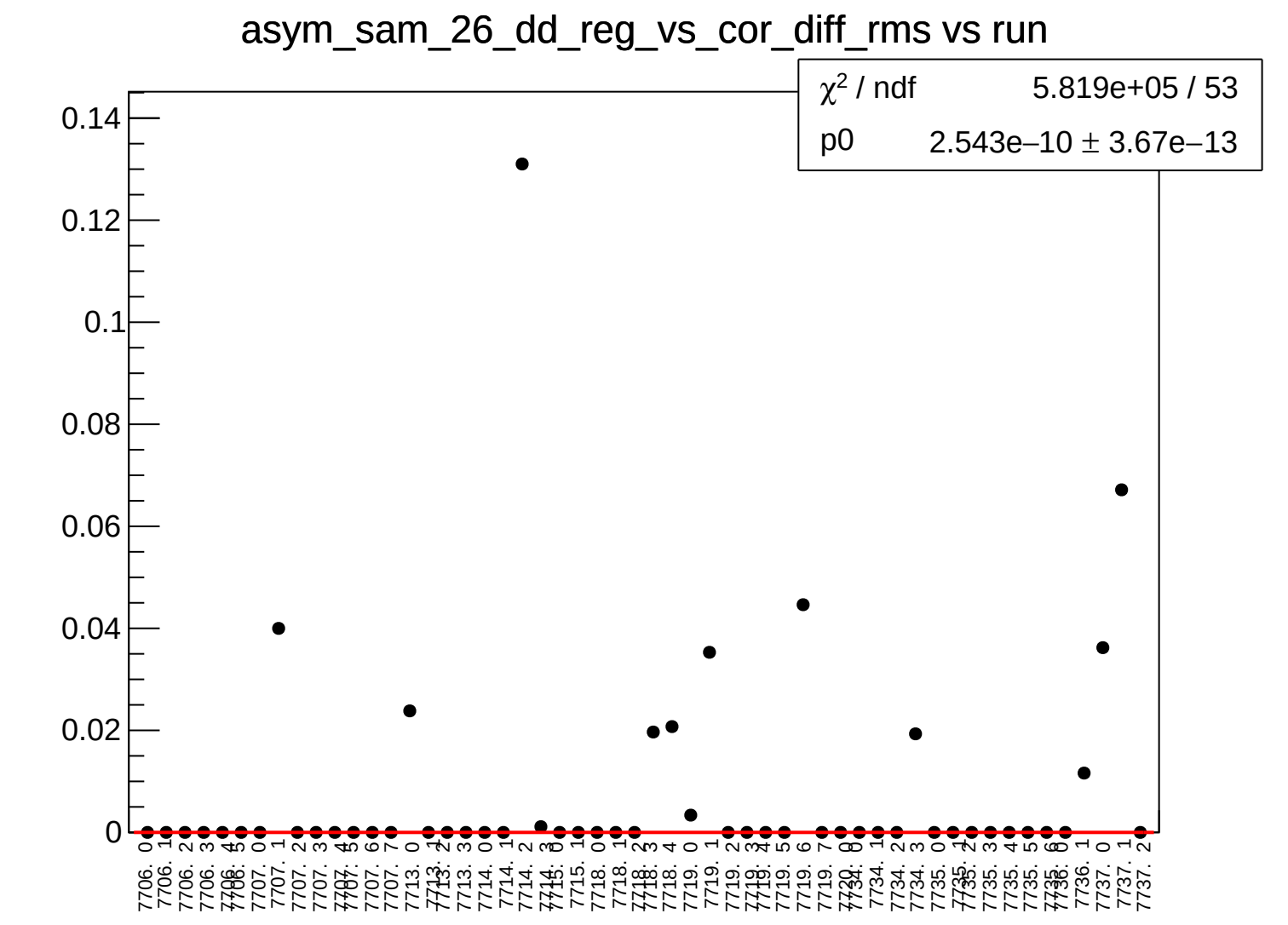

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 36.54 / 53
p0 1234 ± 5076
150
100
50
0
−50
−100
pull
Entries 54
Mean −224.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

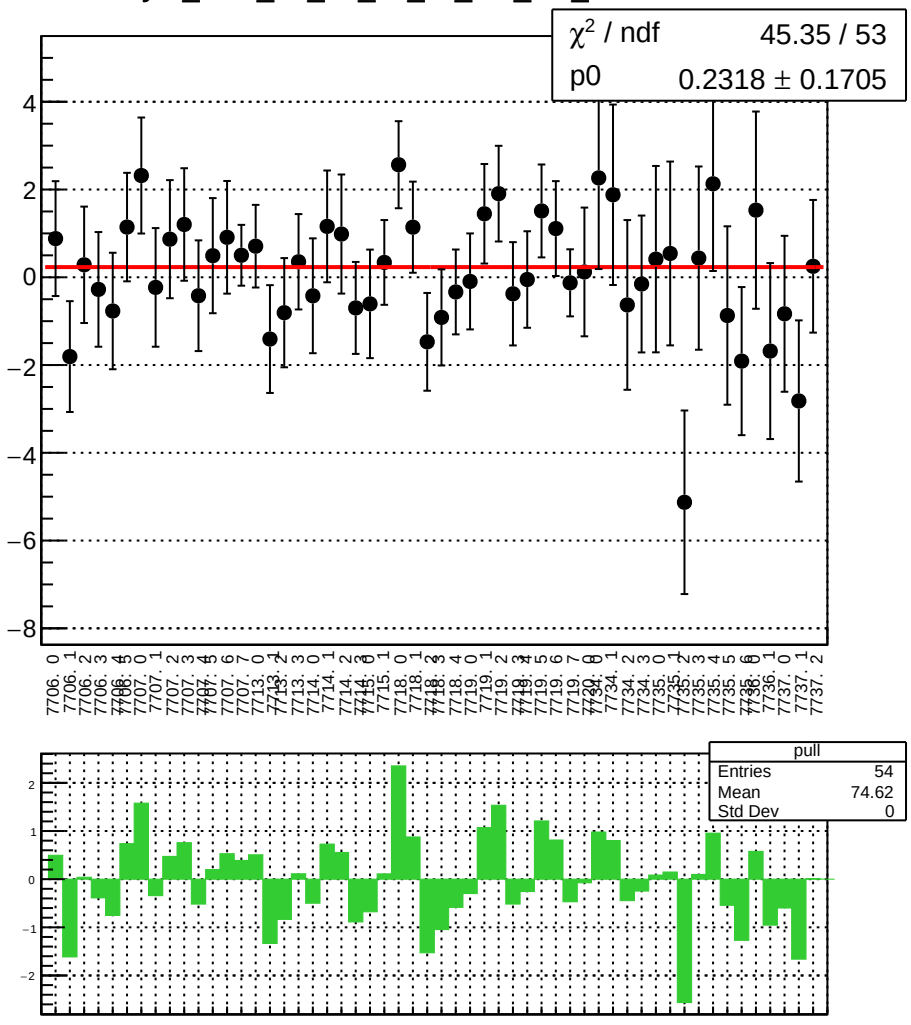

pull1D
Entries 54
Mean −0.01656
Std Dev 0.8224
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

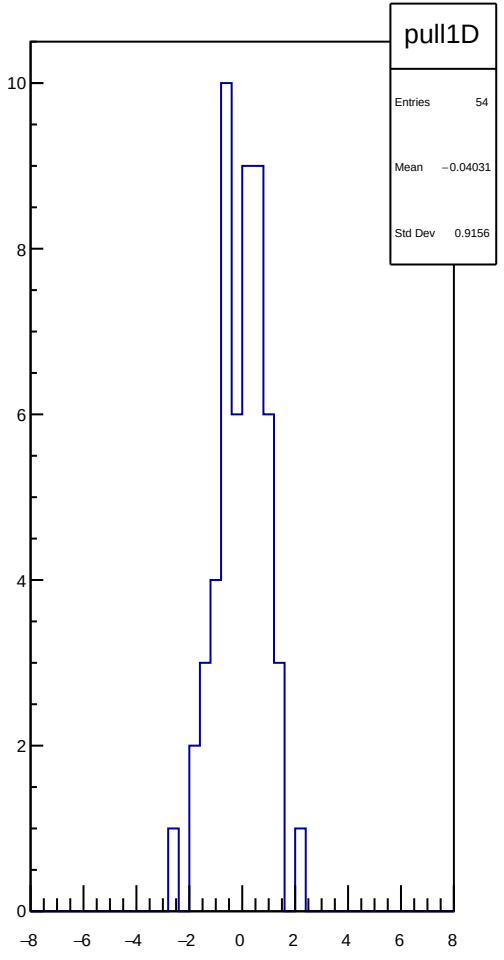

asym_sam_26_dd_rms vs run
χ² / ndf 3.594e+04 / 53
p0 3636 ± 3.59
5500
5000
4500
4000
3500
3000
2500

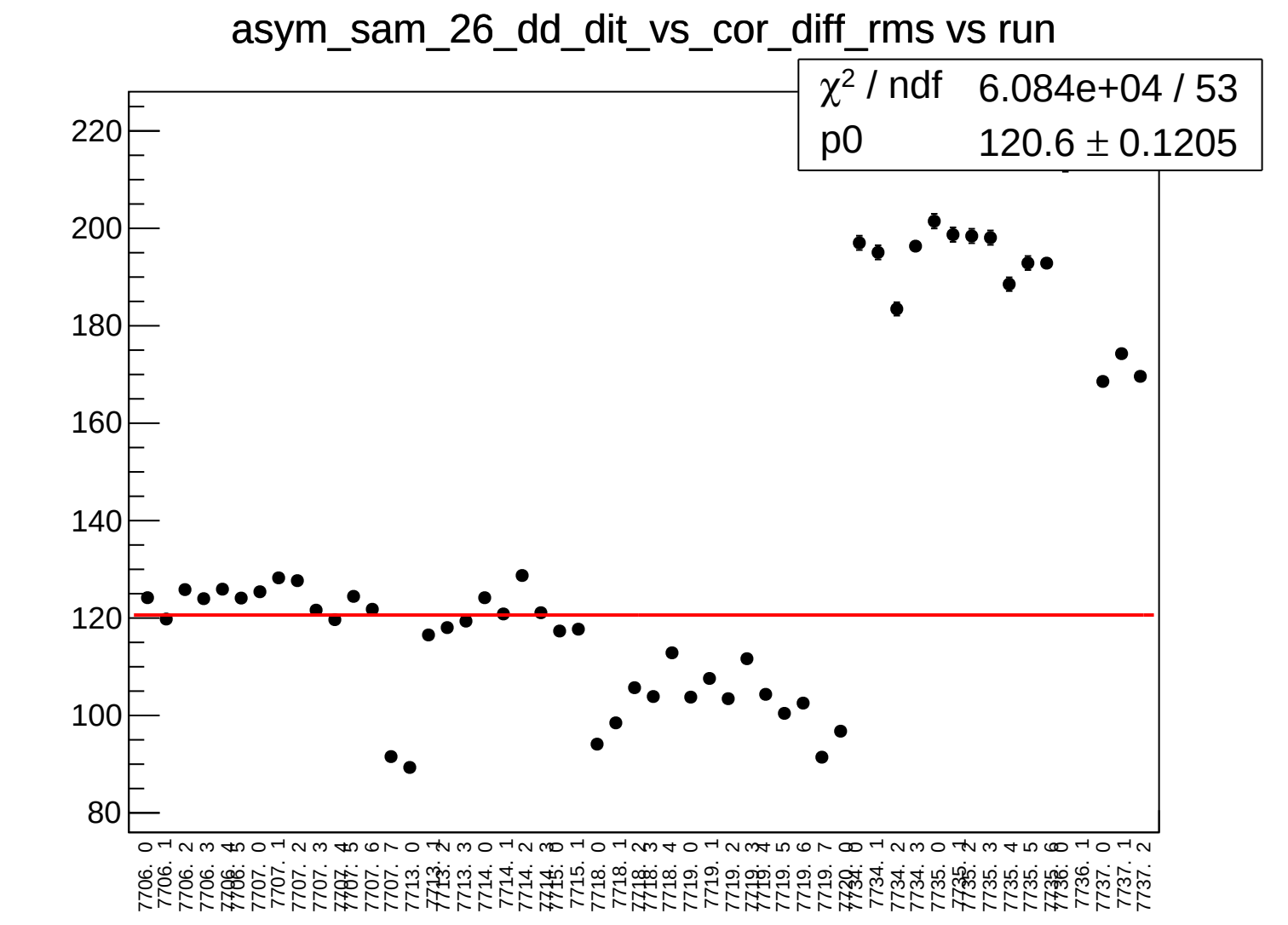

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.78 / 53
p0 5.763e−13 ± 5.191e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean −402.9
Std Dev 0
2
1
0
−1
−2
−3

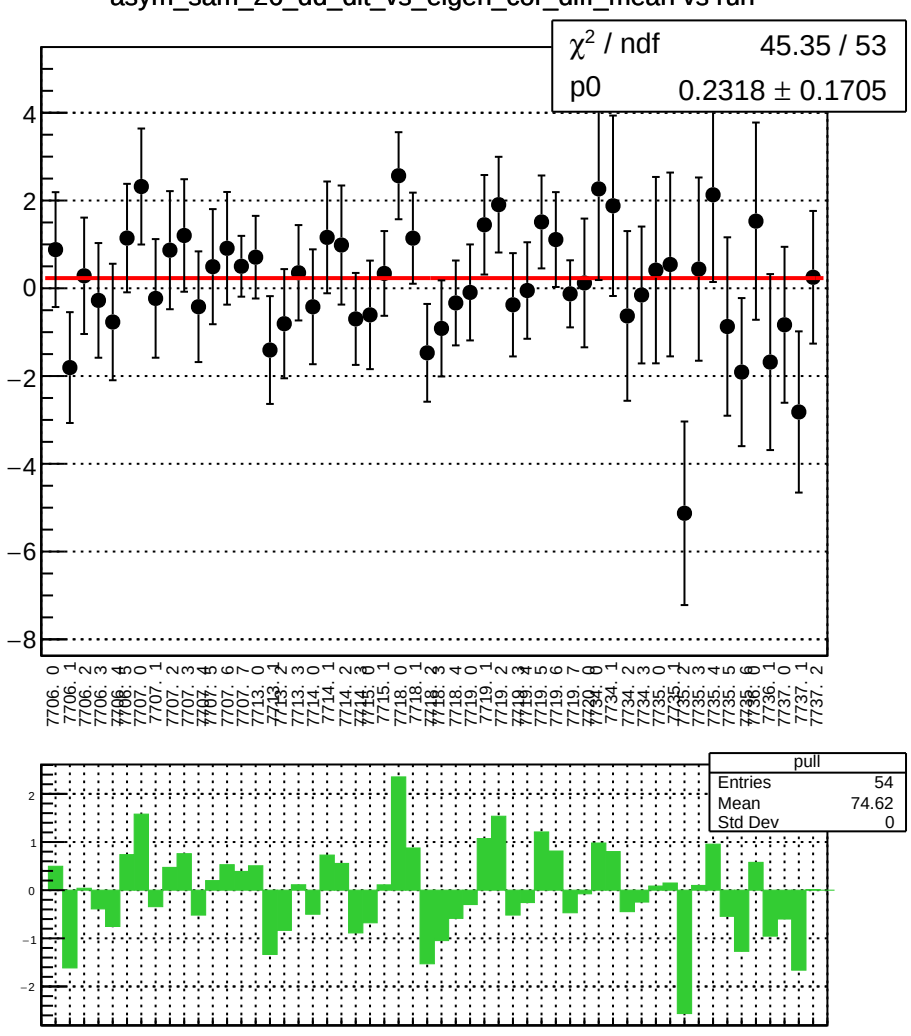

pull1D
Entries 54
Mean 0.008533
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

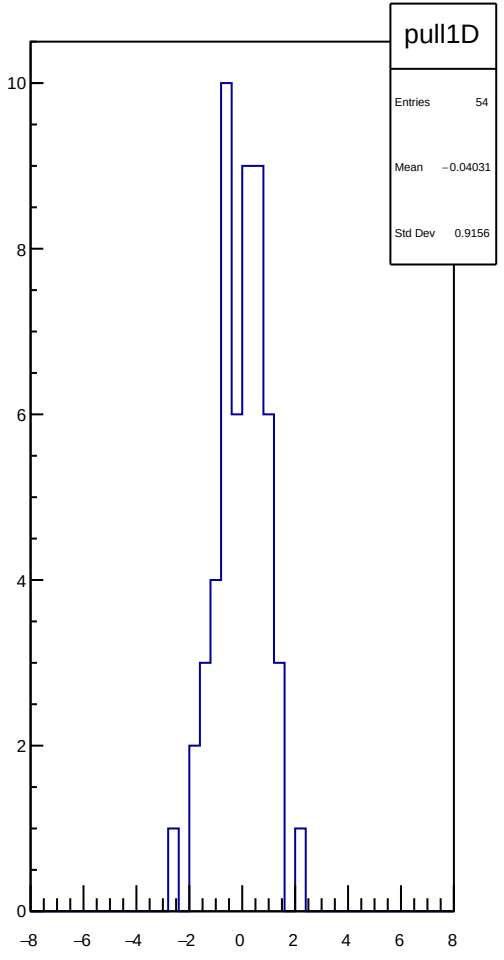

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.819e+05 / 53
p0 2.543e−10 ± 3.67e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

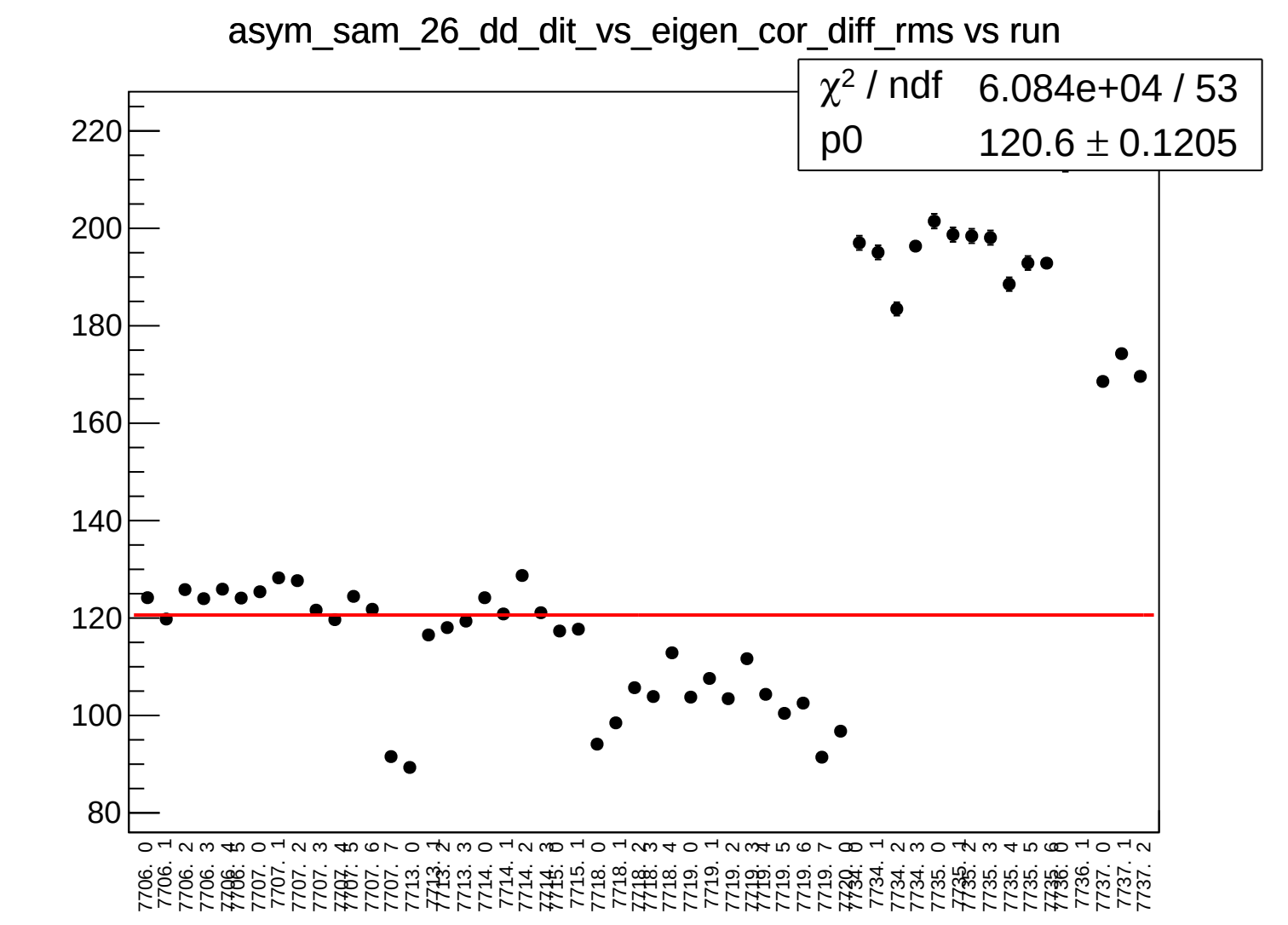

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.35 / 53
p0 0.2318 ± 0.1705
pull
Entries 54
Mean 74.62
Std Dev 0

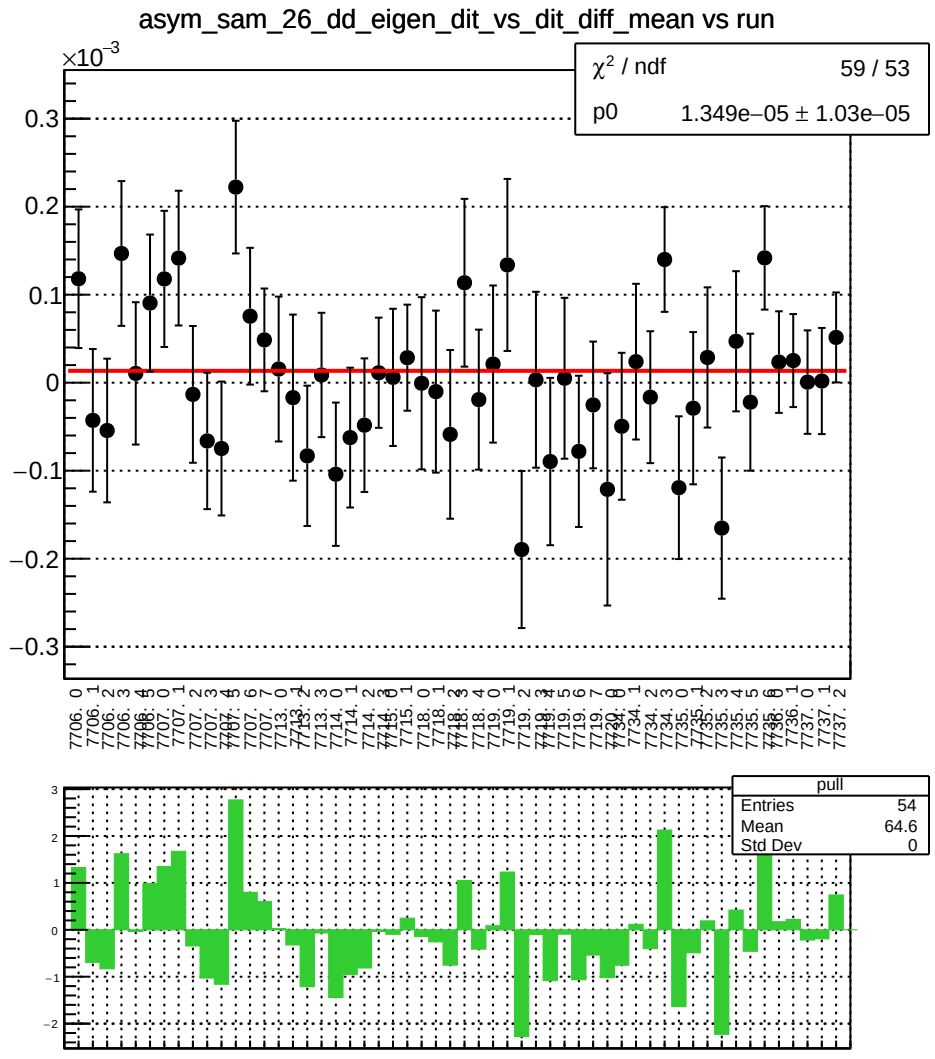

pull1D
Entries 54
Mean −0.04031
Std Dev 0.9156

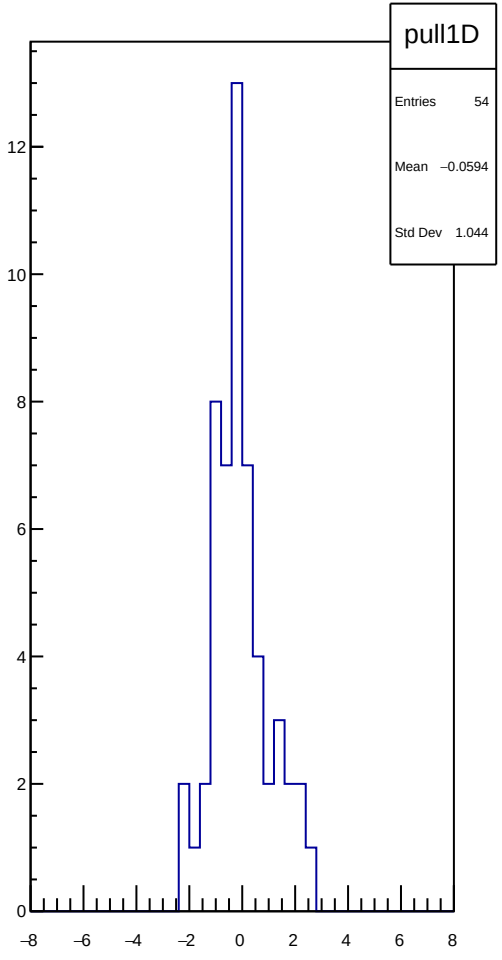

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.084e+04 / 53
p0 120.6 ± 0.1205
220
200
180
160
140
120
100
80

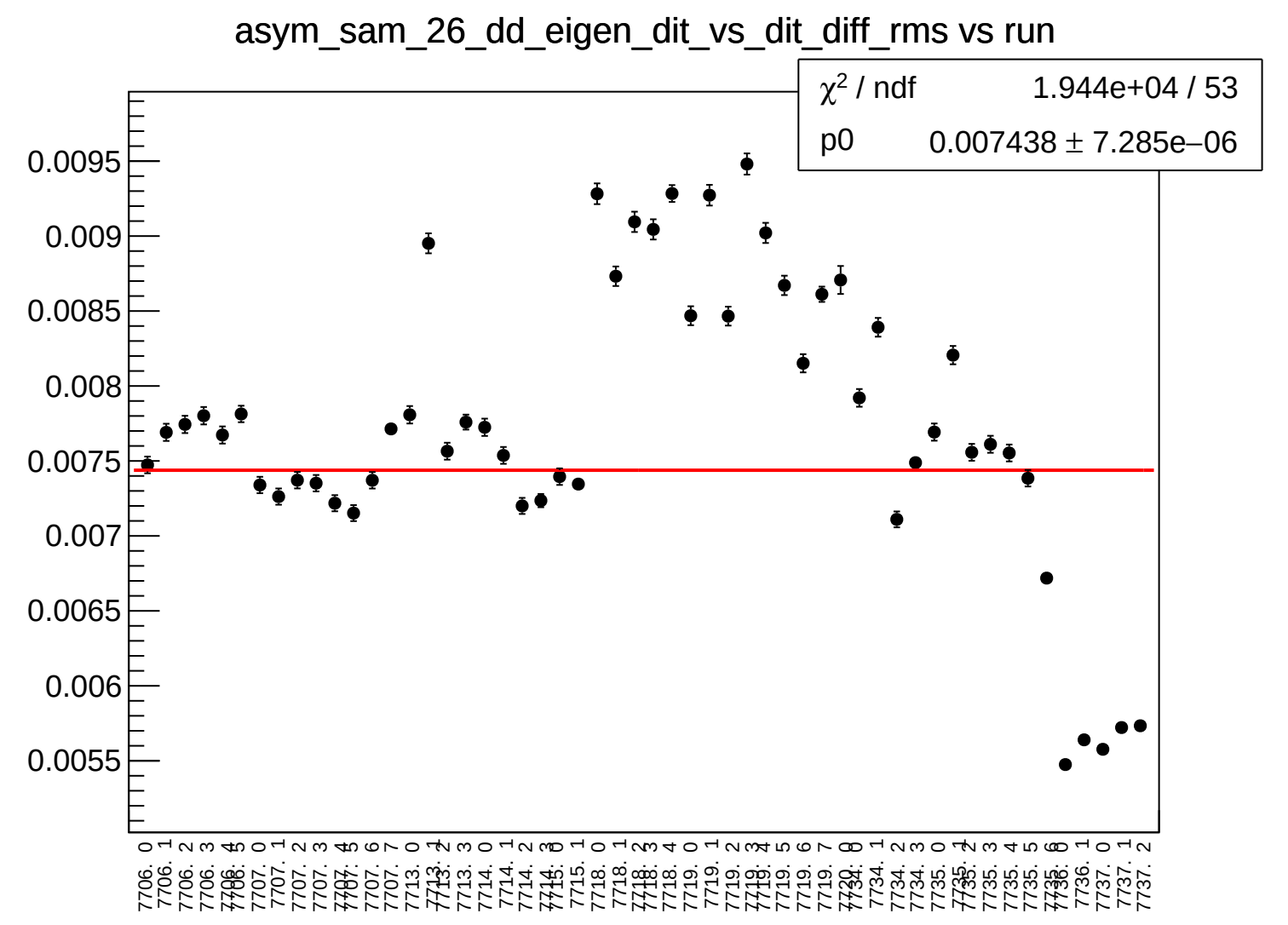

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.35 / 53
p0 0.2318 ± 0.1705
pull
Entries 54
Mean 74.62
Std Dev 0

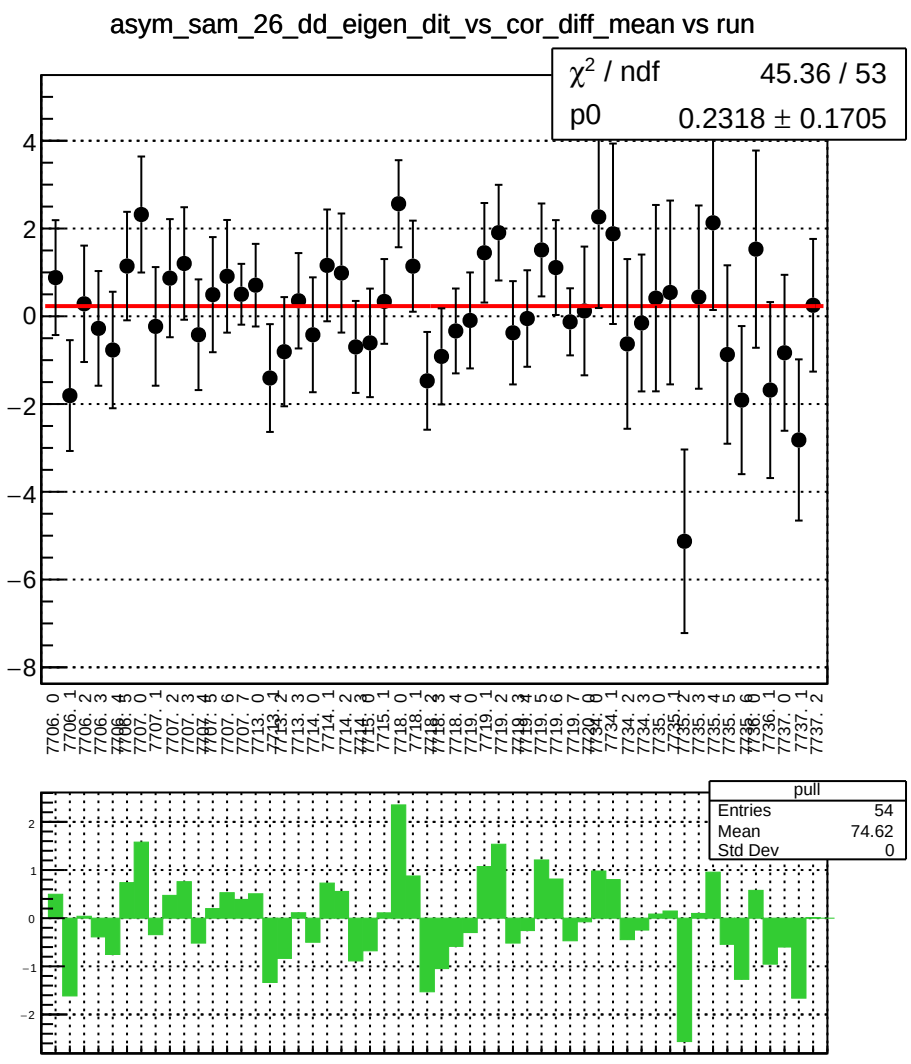

pull1D
Entries 54
Mean −0.04031
Std Dev 0.9156

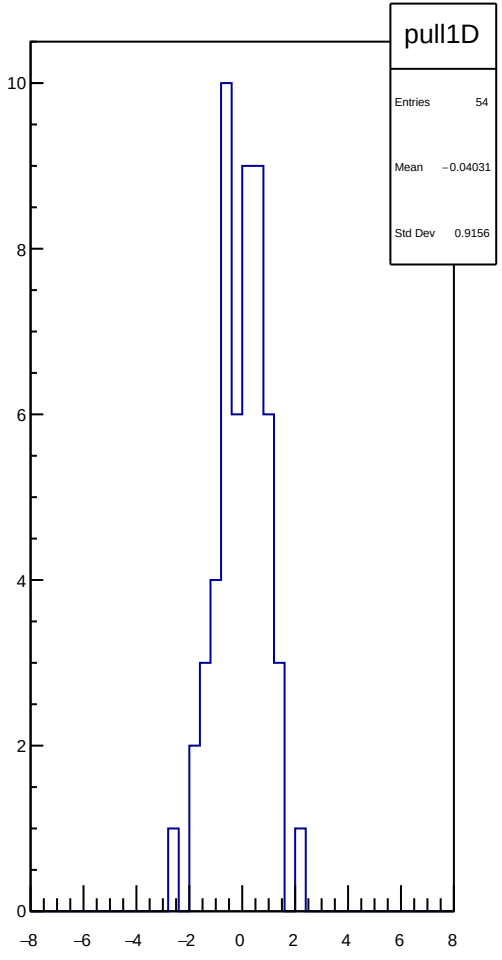

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.084e+04 / 53
p0 120.6 ± 0.1205
220
200
180
160
140
120
100
80

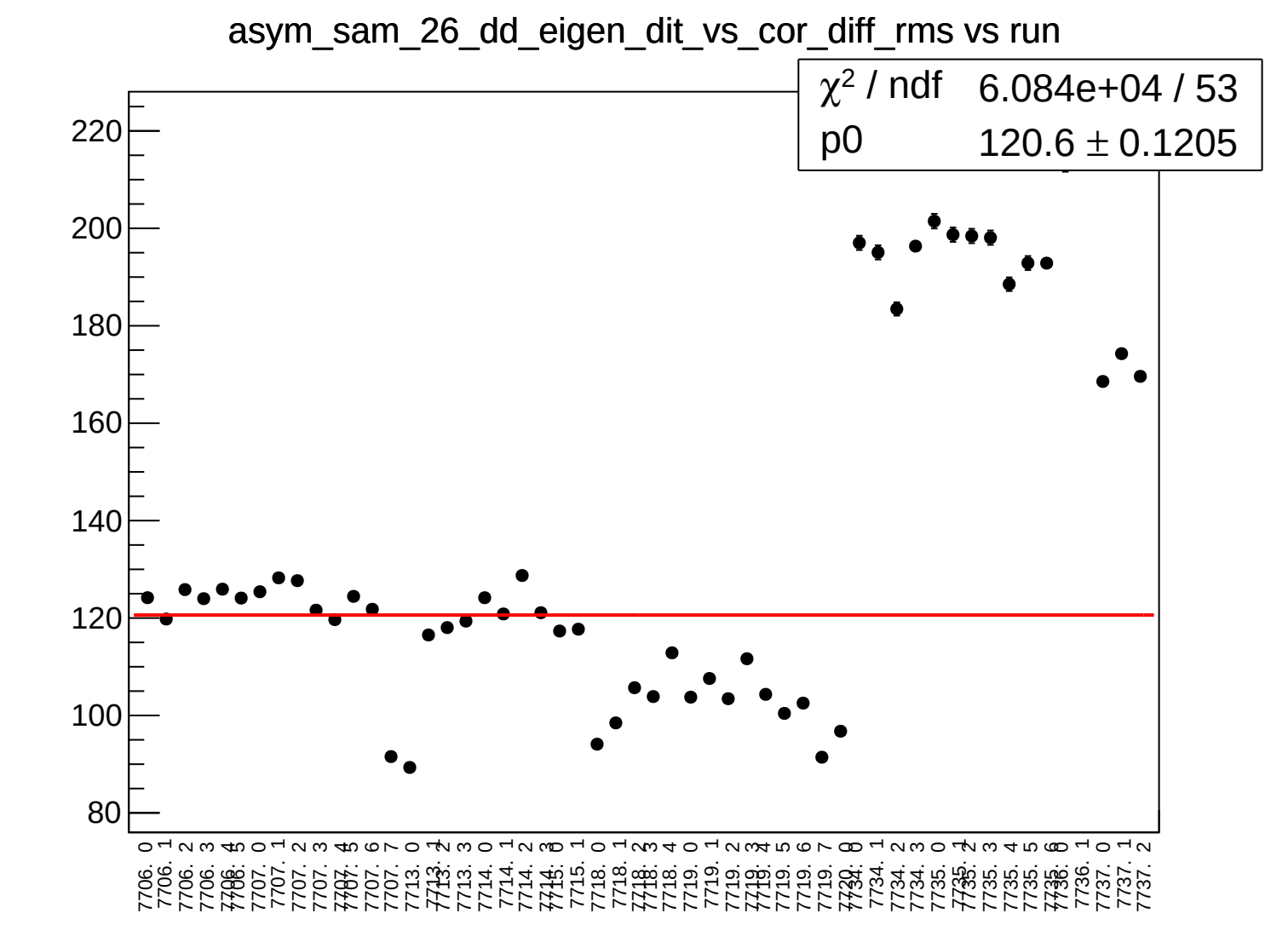

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 59 / 53
p0 1.349e−05 ± 1.03e−05
×10⁻³
pull
Entries 54
Mean 64.6
Std Dev 0

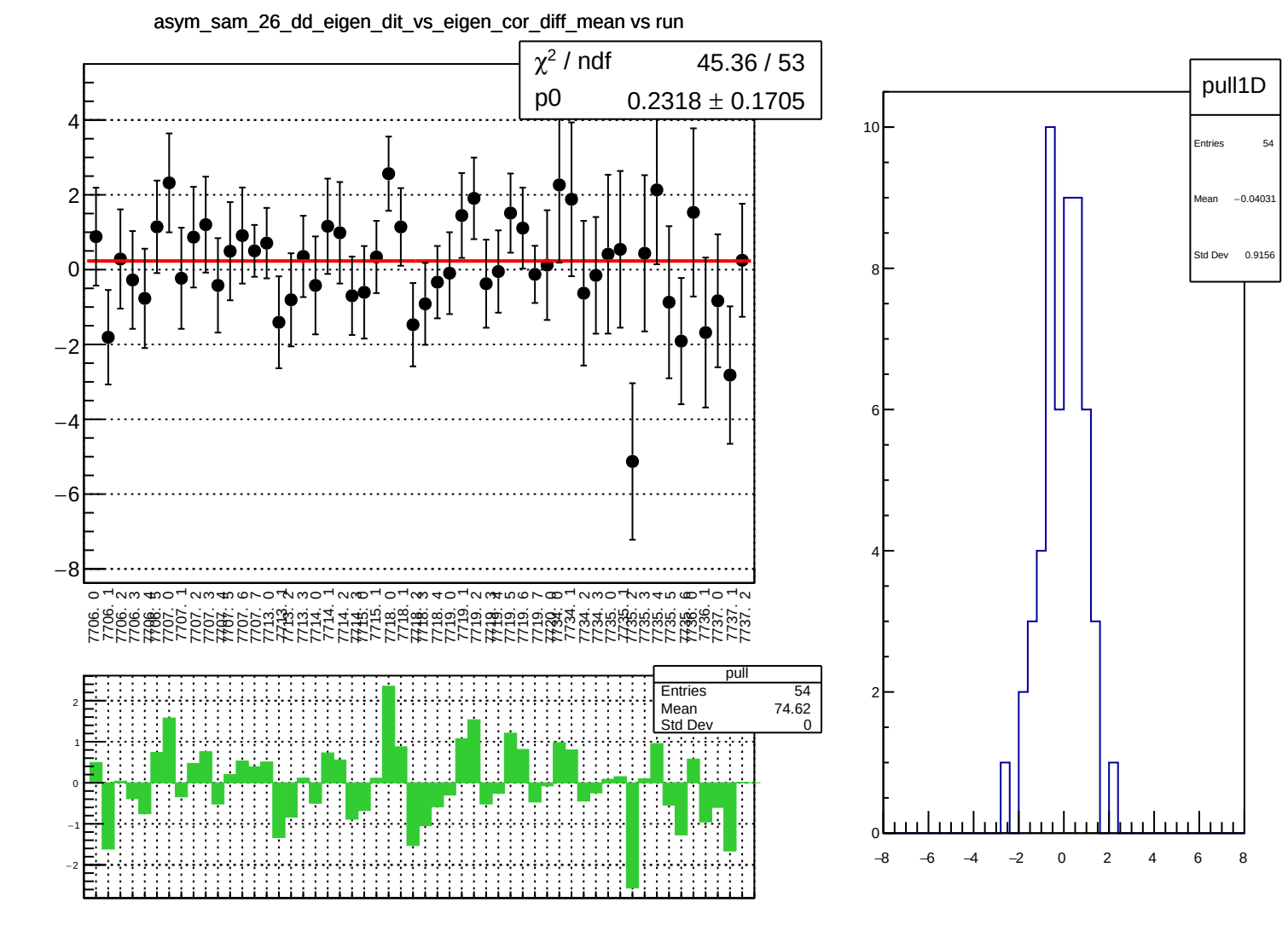

pull1D
Entries 54
Mean −0.0594
Std Dev 1.044

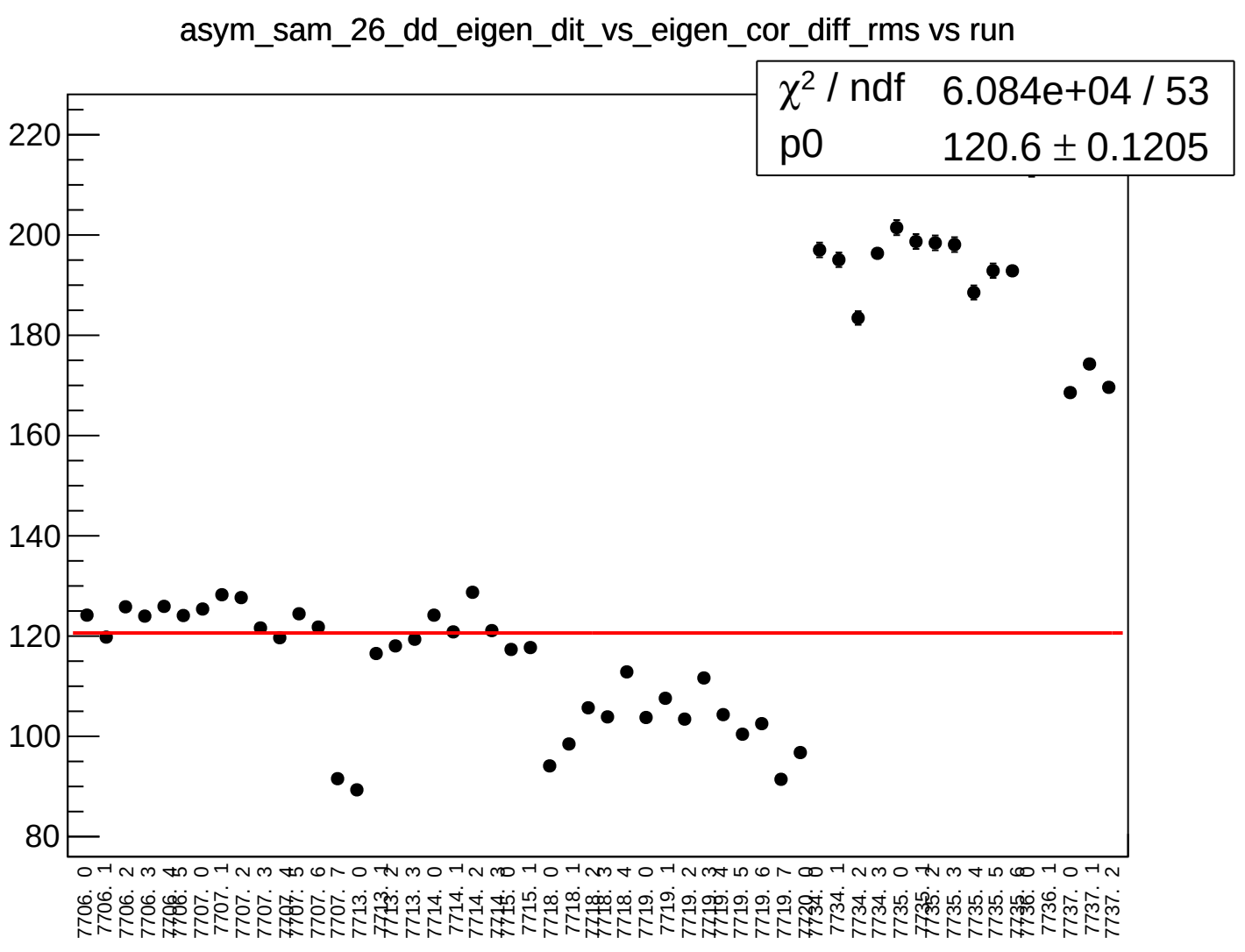

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.944e+04 / 53
p0 0.007438 ± 7.285e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

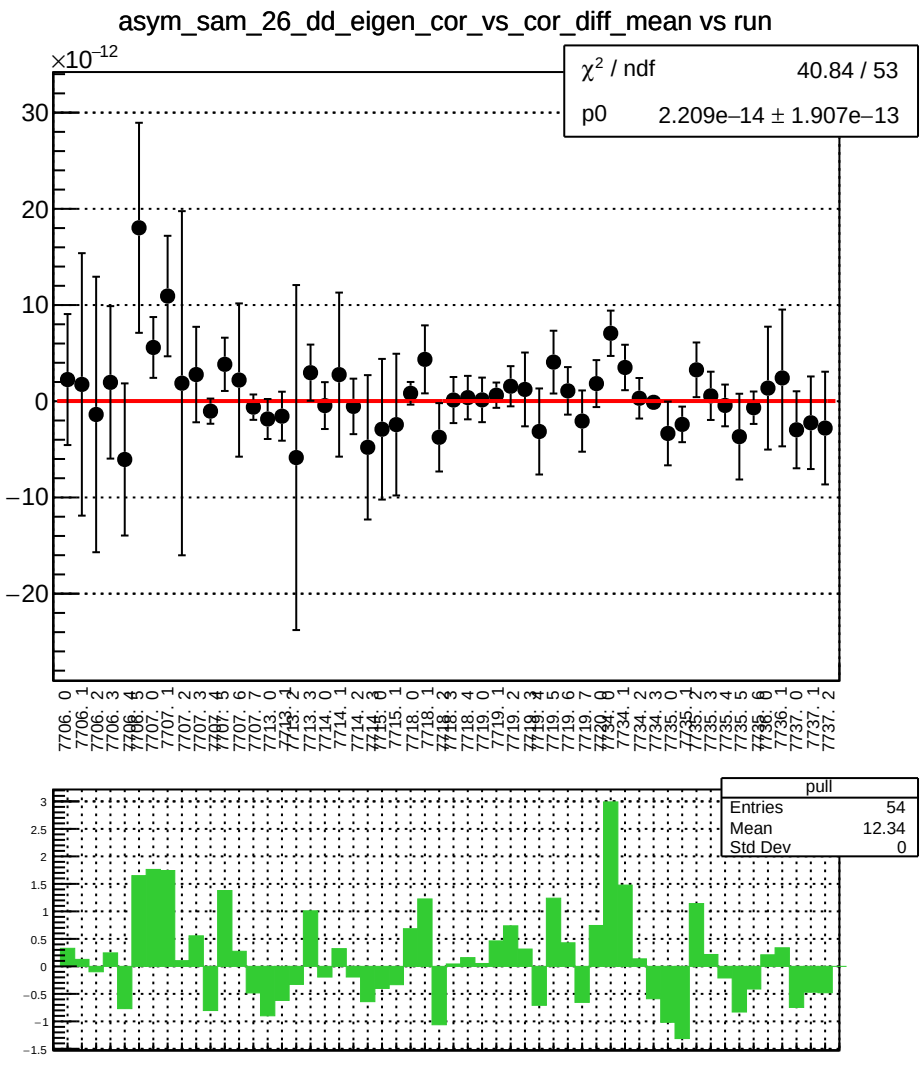

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.36 / 53
p0 0.2318 ± 0.1705
pull
Entries 54
Mean 74.62
Std Dev 0

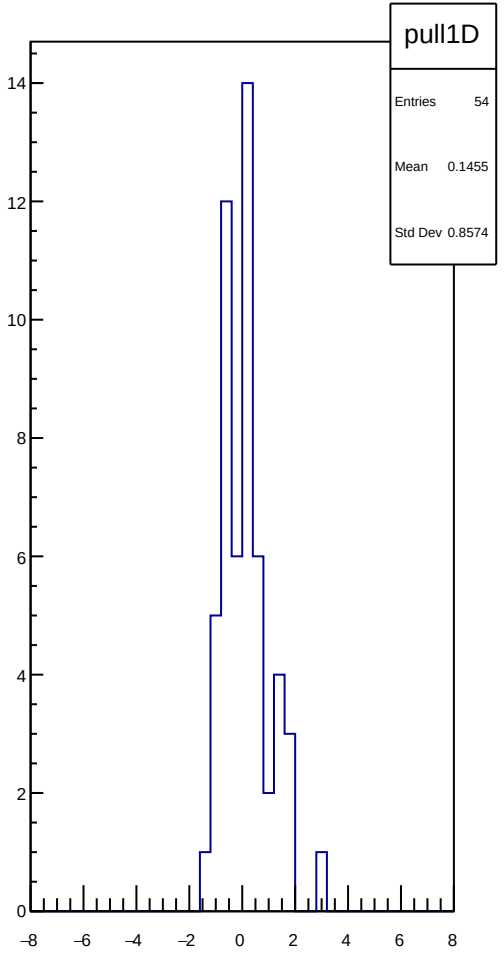

pull1D
Entries 54
Mean −0.04031
Std Dev 0.9156

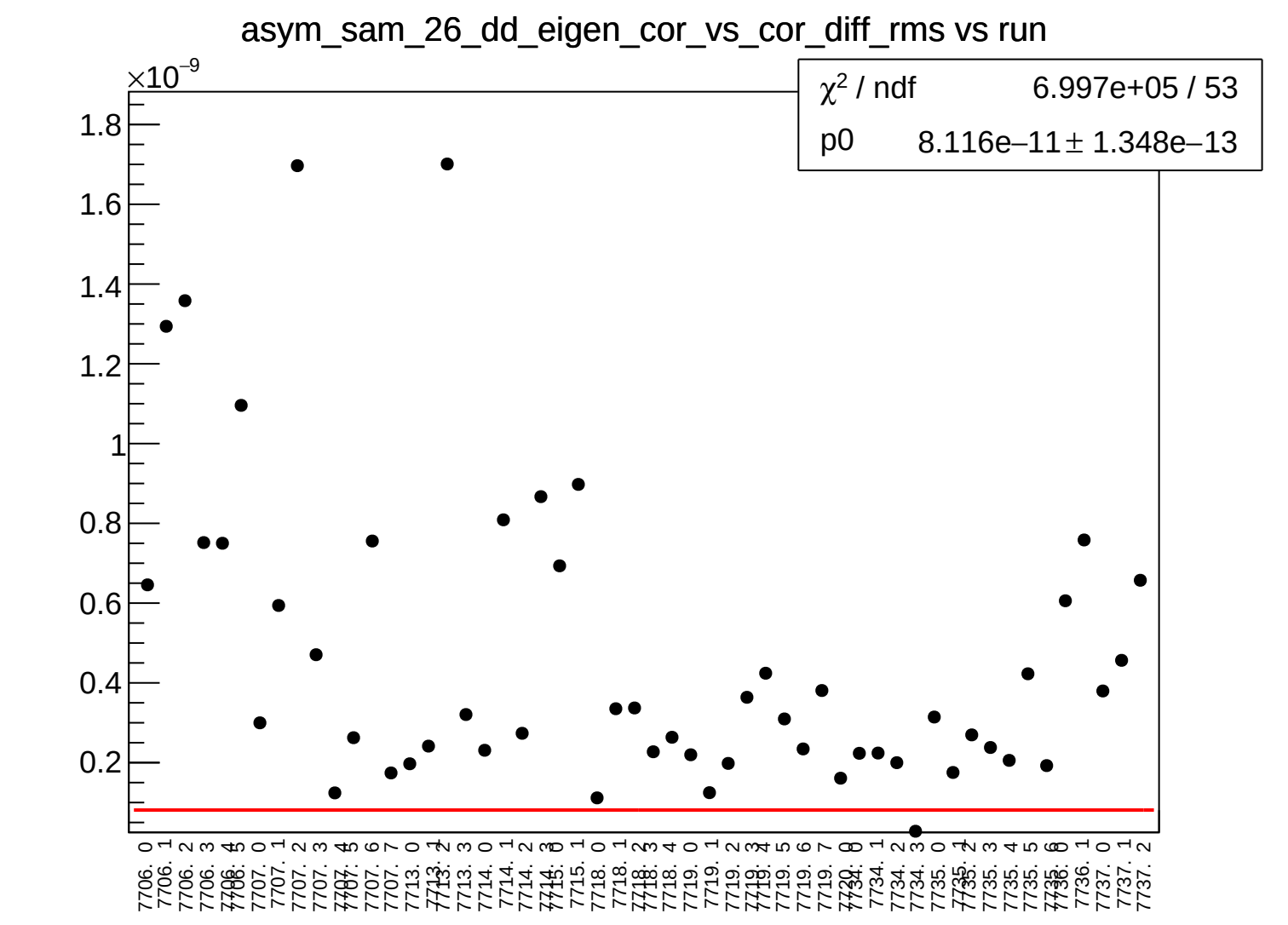

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.084e+04 / 53
p0 120.6 ± 0.1205
220
200
180
160
140
120
100
80

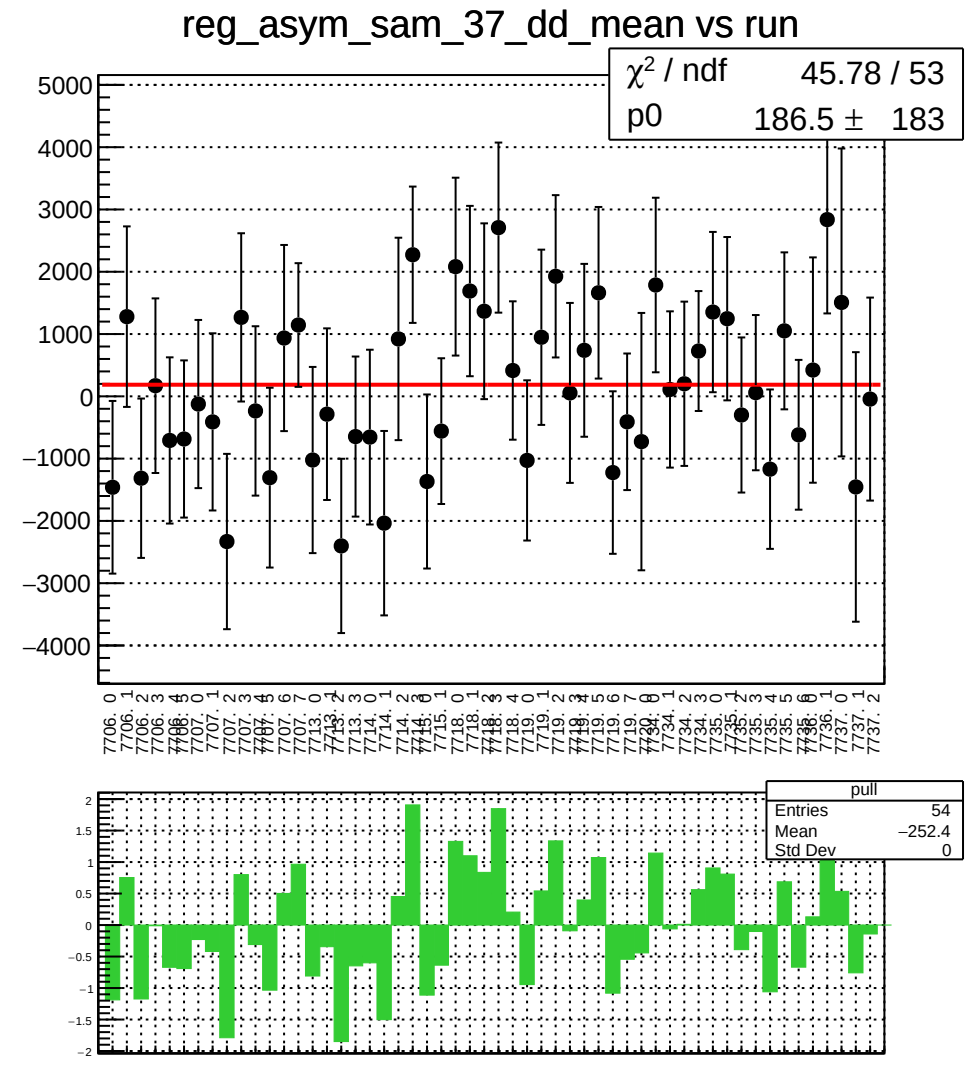

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.36 / 53
p0 0.2318 ± 0.1705
pull
Entries 54
Mean 74.62
Std Dev 0
pull1D
Entries 54
Mean −0.04031
Std Dev 0.9156

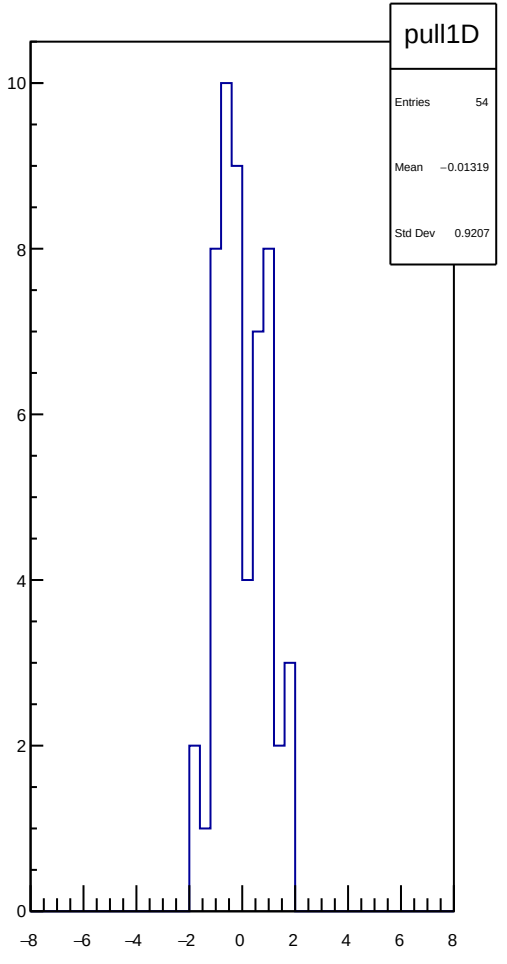

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.084e+04 / 53
p0 120.6 ± 0.1205
220
200
180
160
140
120
100
80

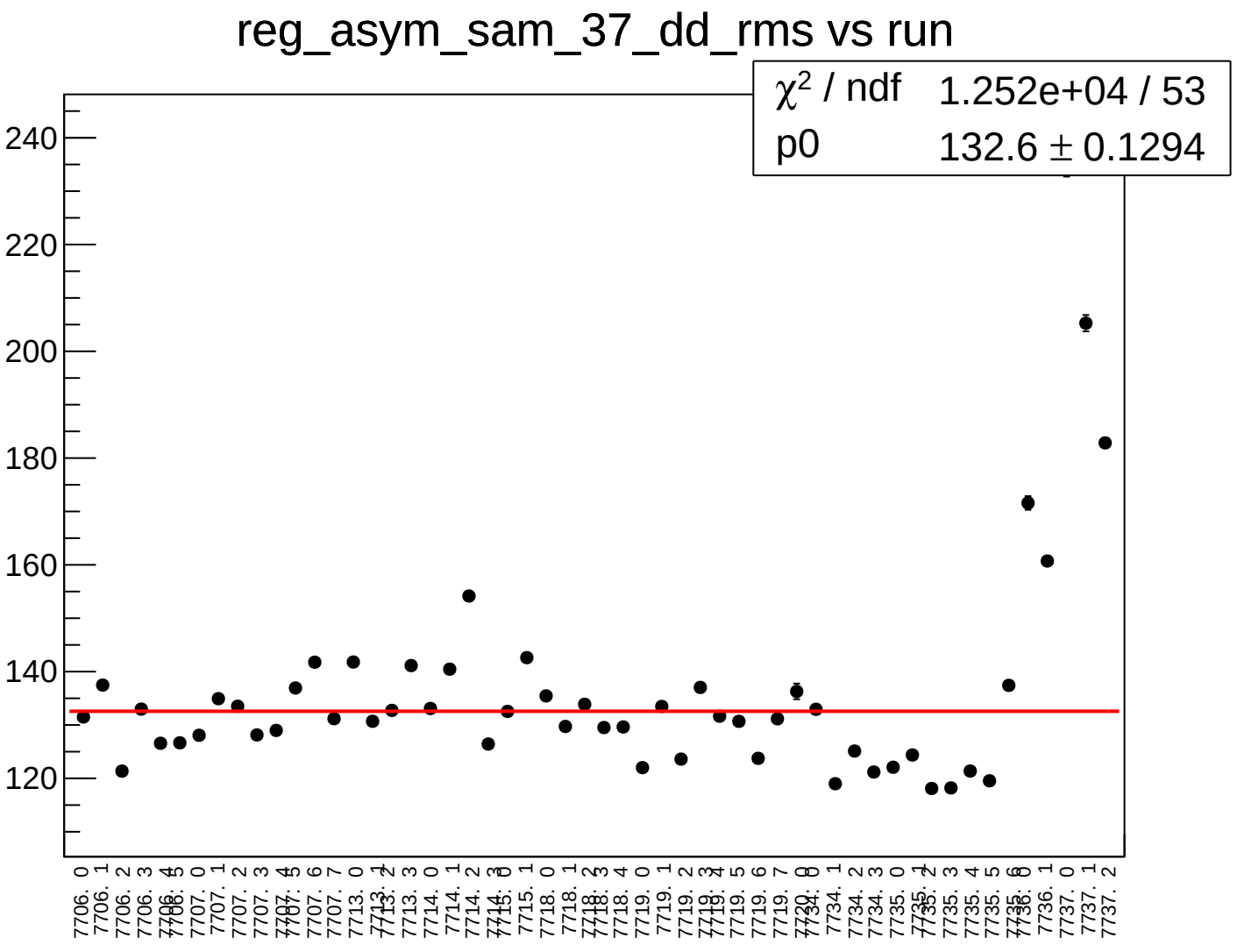

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.84 / 53
p0 2.209e−14 ± 1.907e−13
pull
Entries 54
Mean 12.34
Std Dev 0

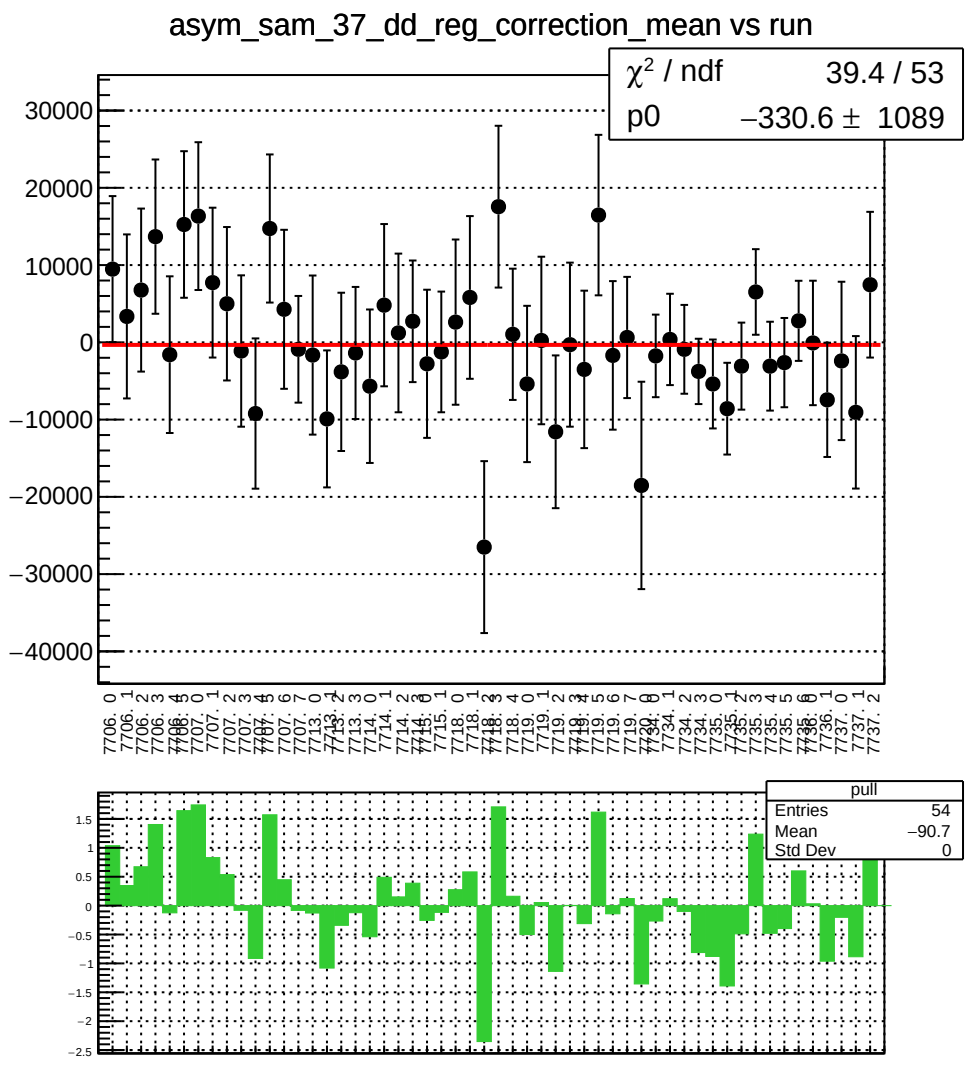

pull1D
Entries 54
Mean 0.1455
Std Dev 0.8574

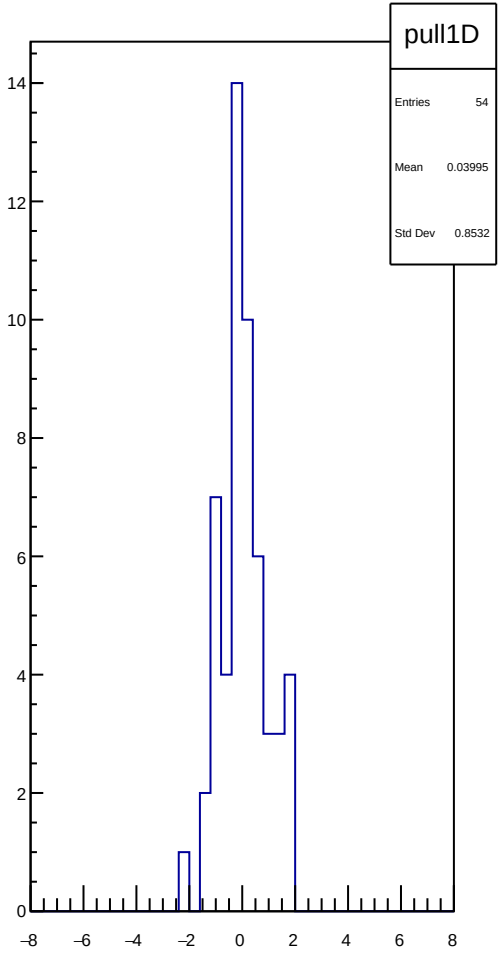

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.997e+05 / 53
p0 8.116e−11 ± 1.348e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

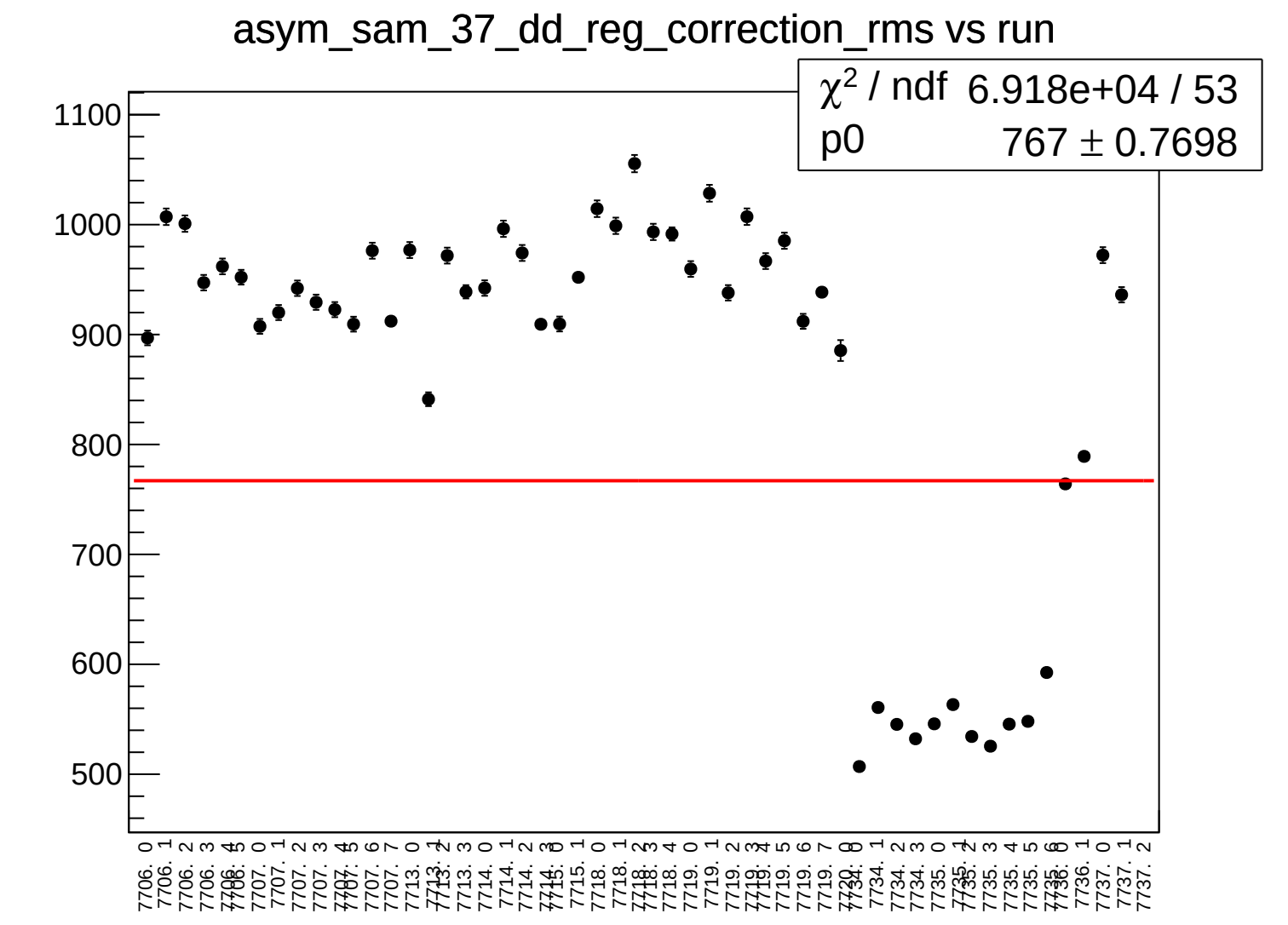

reg_asym_sam_37_dd_mean vs run
χ² / ndf 45.78 / 53
p0 186.5 ± 183
pull
Entries 54
Mean −252.4
Std Dev 0

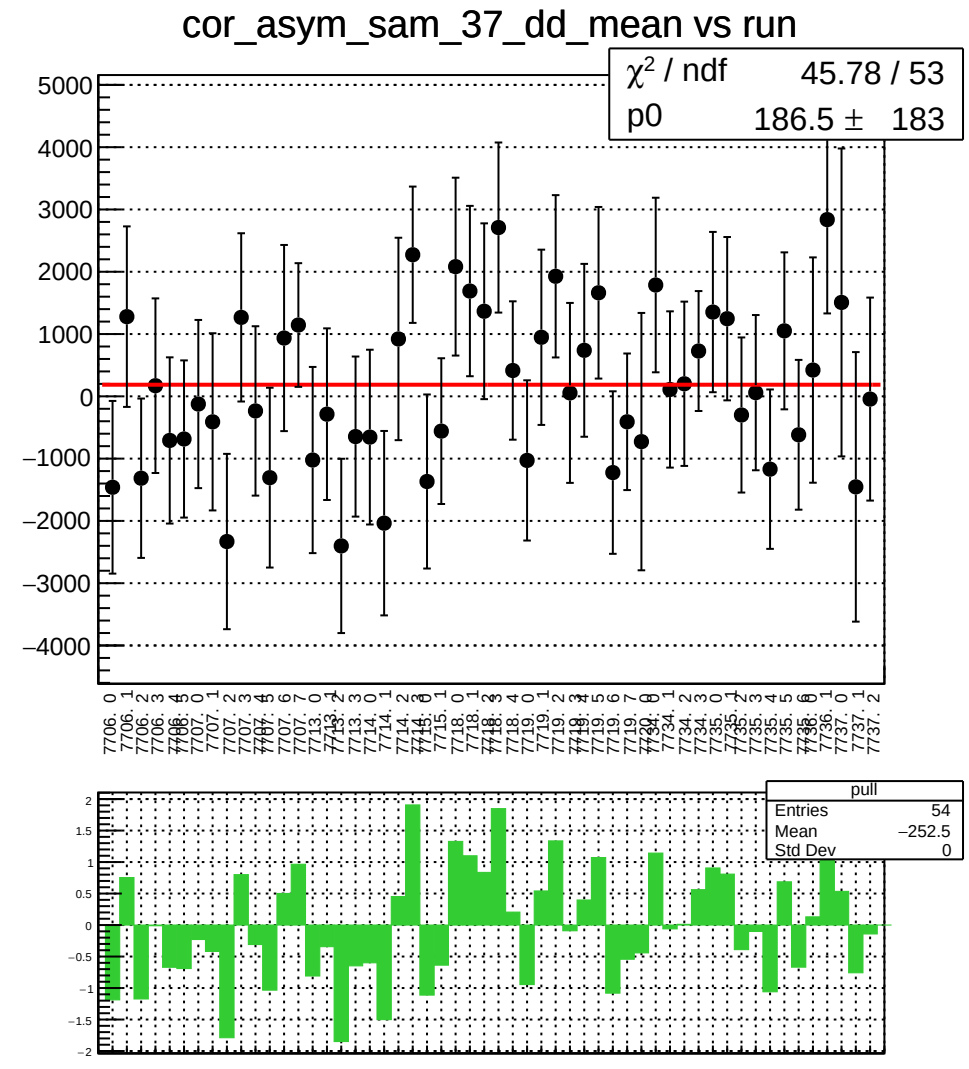

pull1D
Entries 54
Mean −0.01319
Std Dev 0.9207

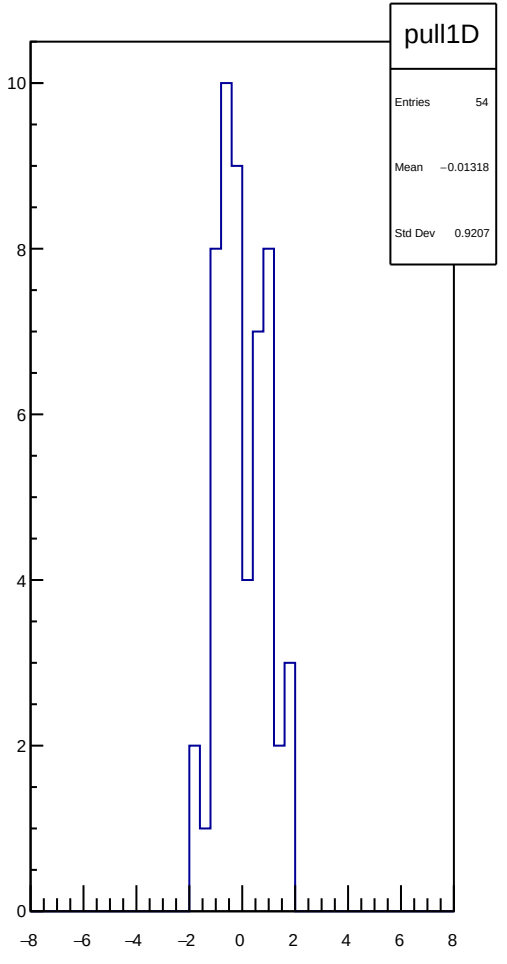

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.252e+04 / 53
p0 132.6 ± 0.1294
240
220
200
180
160
140
120

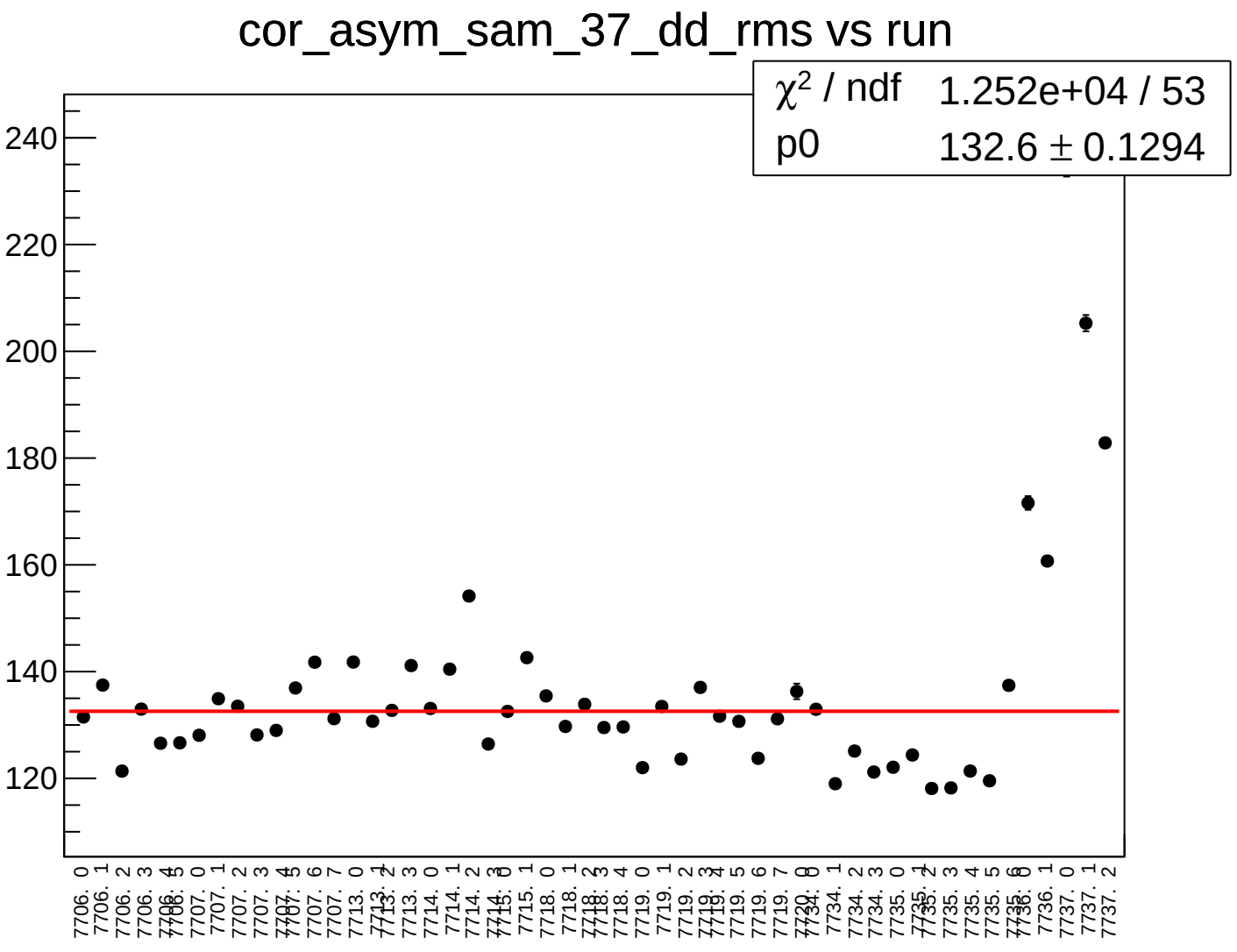

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 39.4 / 53
p0 −330.6 ± 1089
pull
Entries 54
Mean −90.7
Std Dev 0

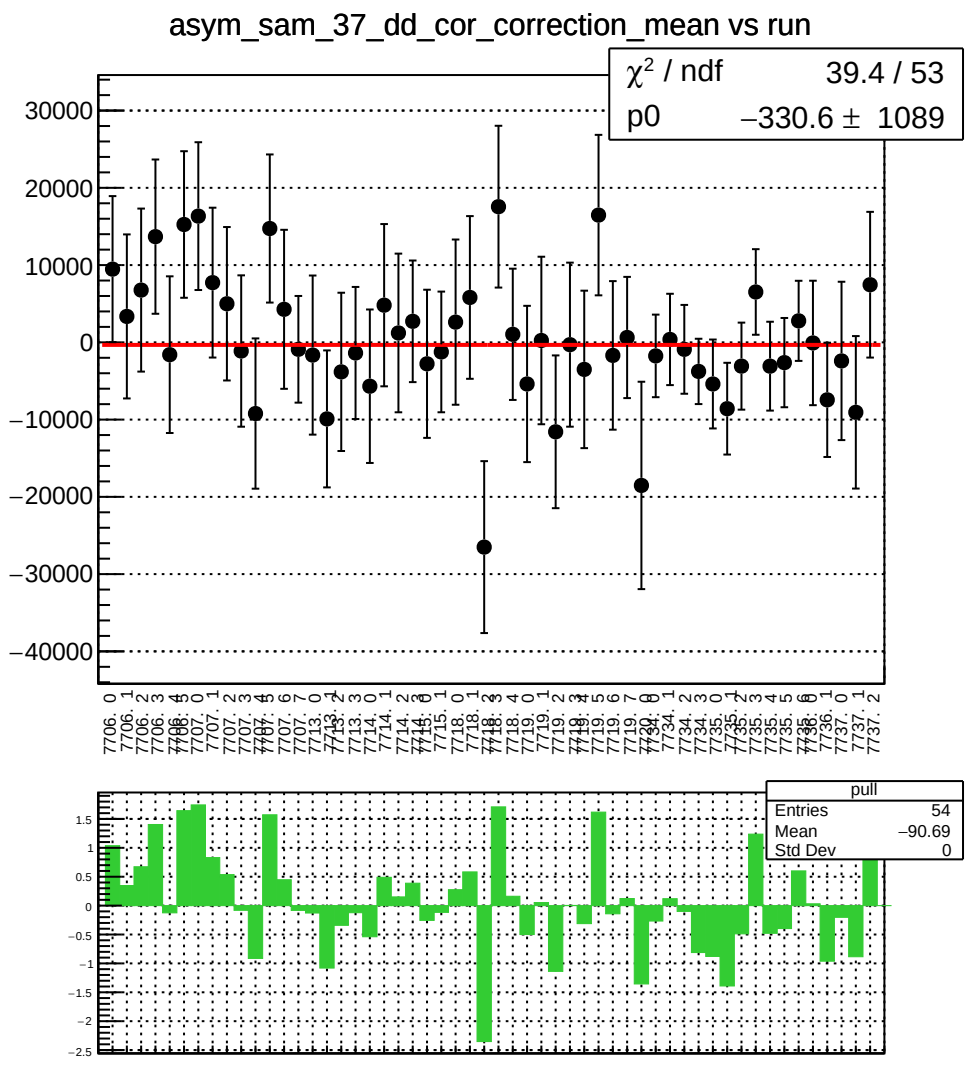

pull1D
Entries 54
Mean 0.03995
Std Dev 0.8532

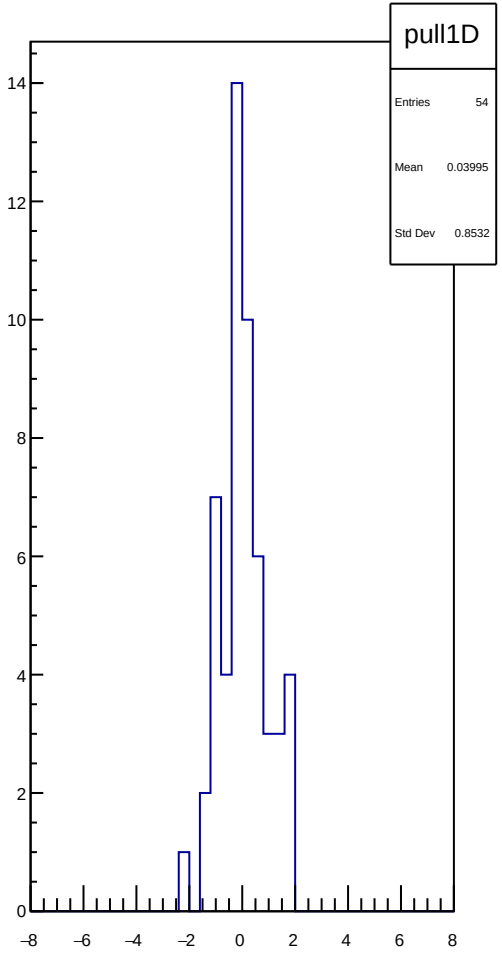

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 6.918e+04 / 53
p0 767 ± 0.7698
1100
1000
900
800
700
600
500

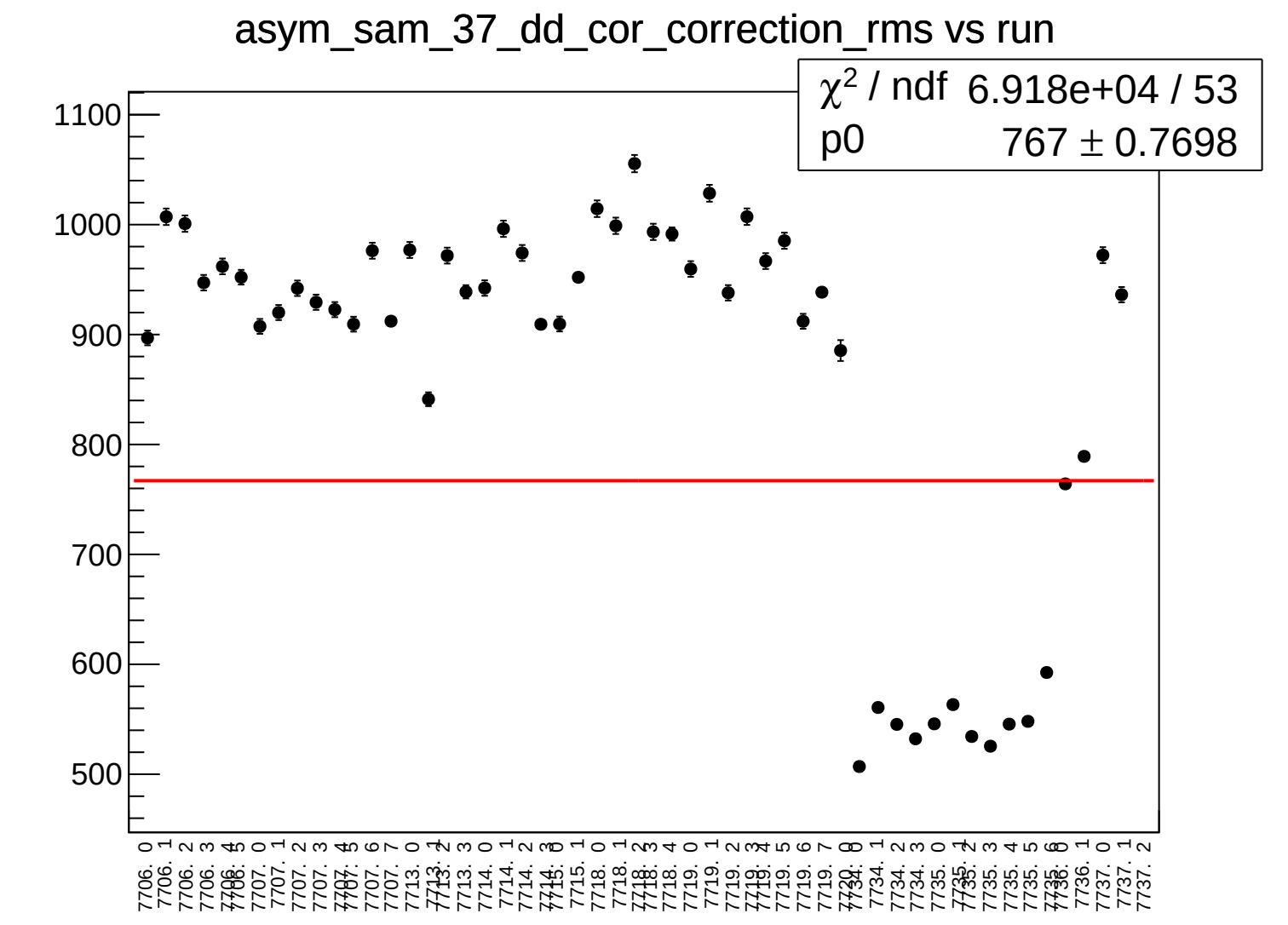

cor_asym_sam_37_dd_mean vs run
χ² / ndf 45.78 / 53
p0 186.5 ± 183
pull
Entries 54
Mean −252.5
Std Dev 0

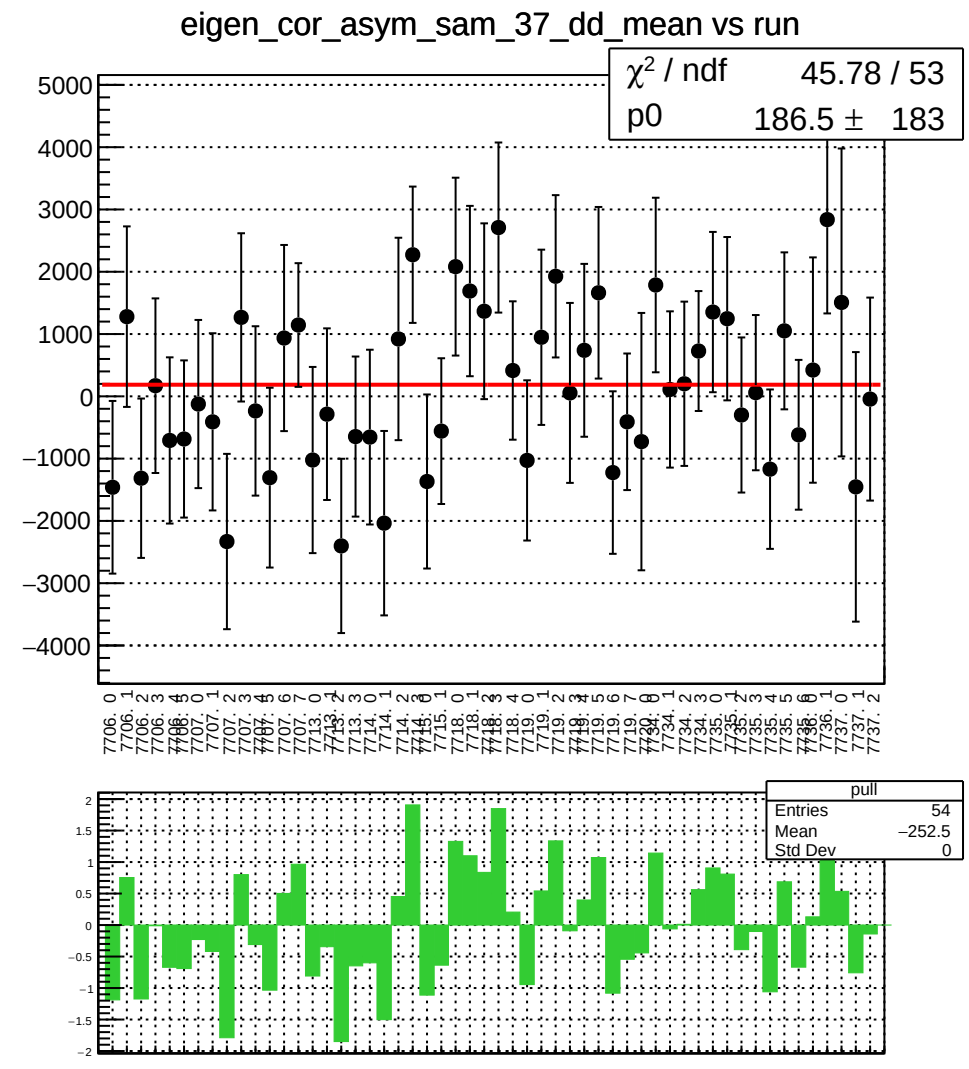

pull1D
Entries 54
Mean −0.01318
Std Dev 0.9207

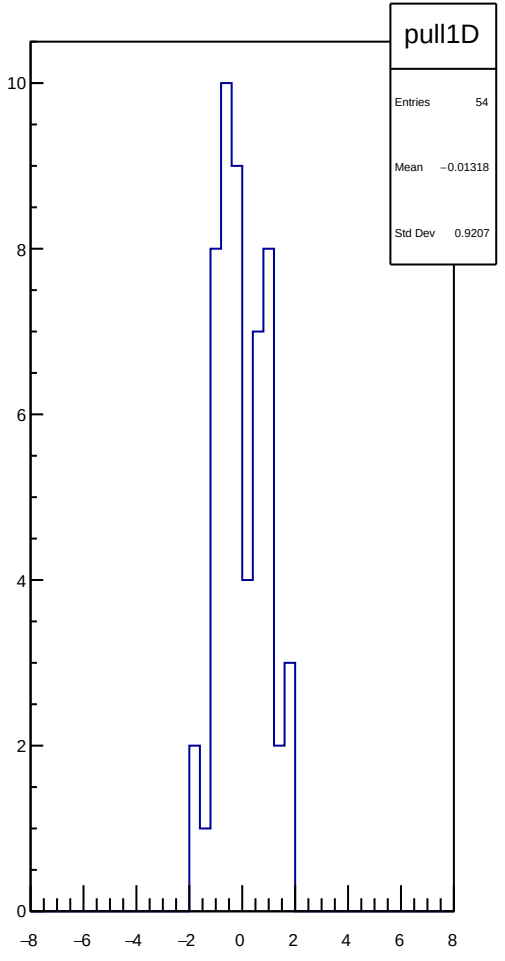

cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.252e+04 / 53
p0 132.6 ± 0.1294
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

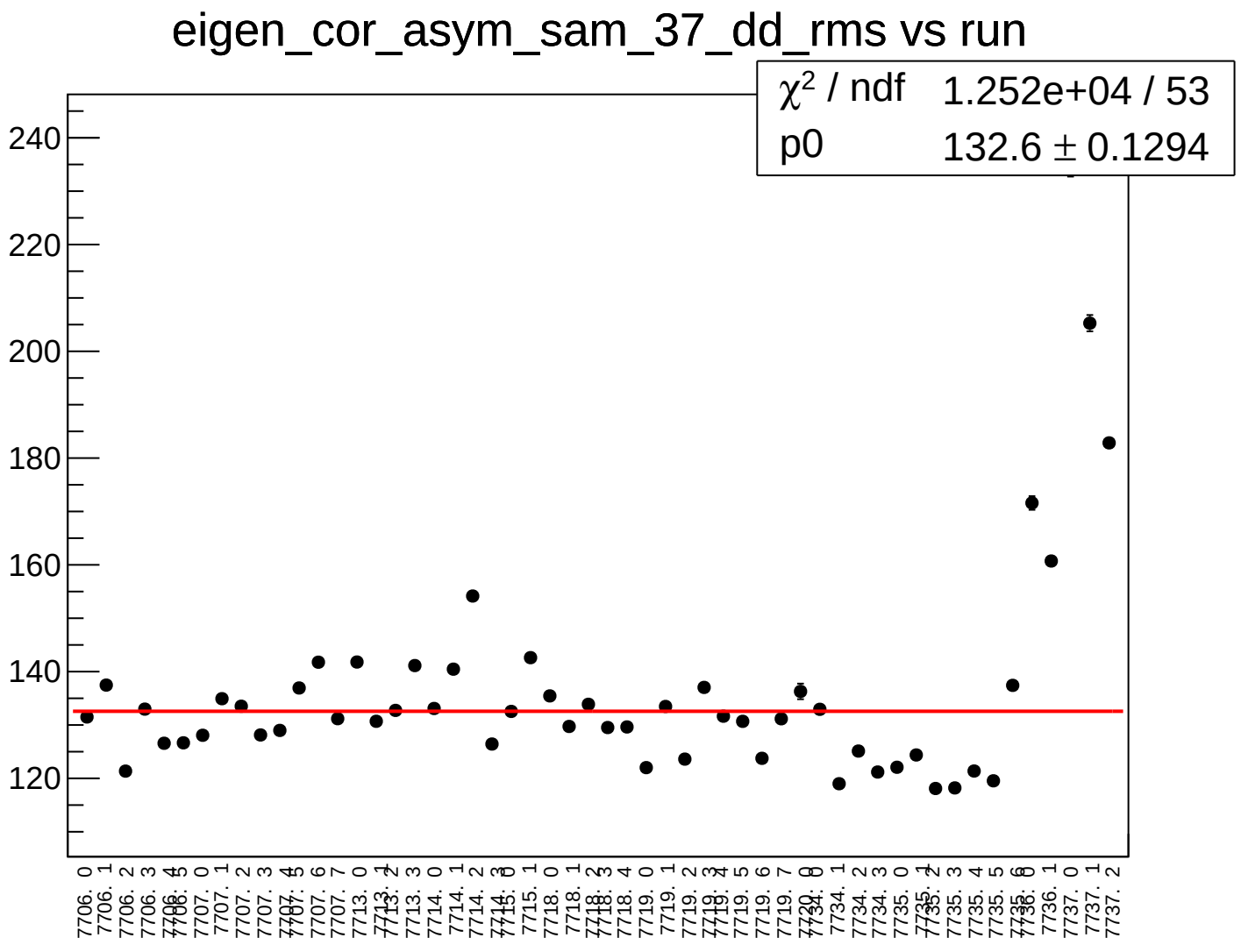

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 39.4 / 53
p0 −330.6 ± 1089
pull
Entries 54
Mean −90.69
Std Dev 0

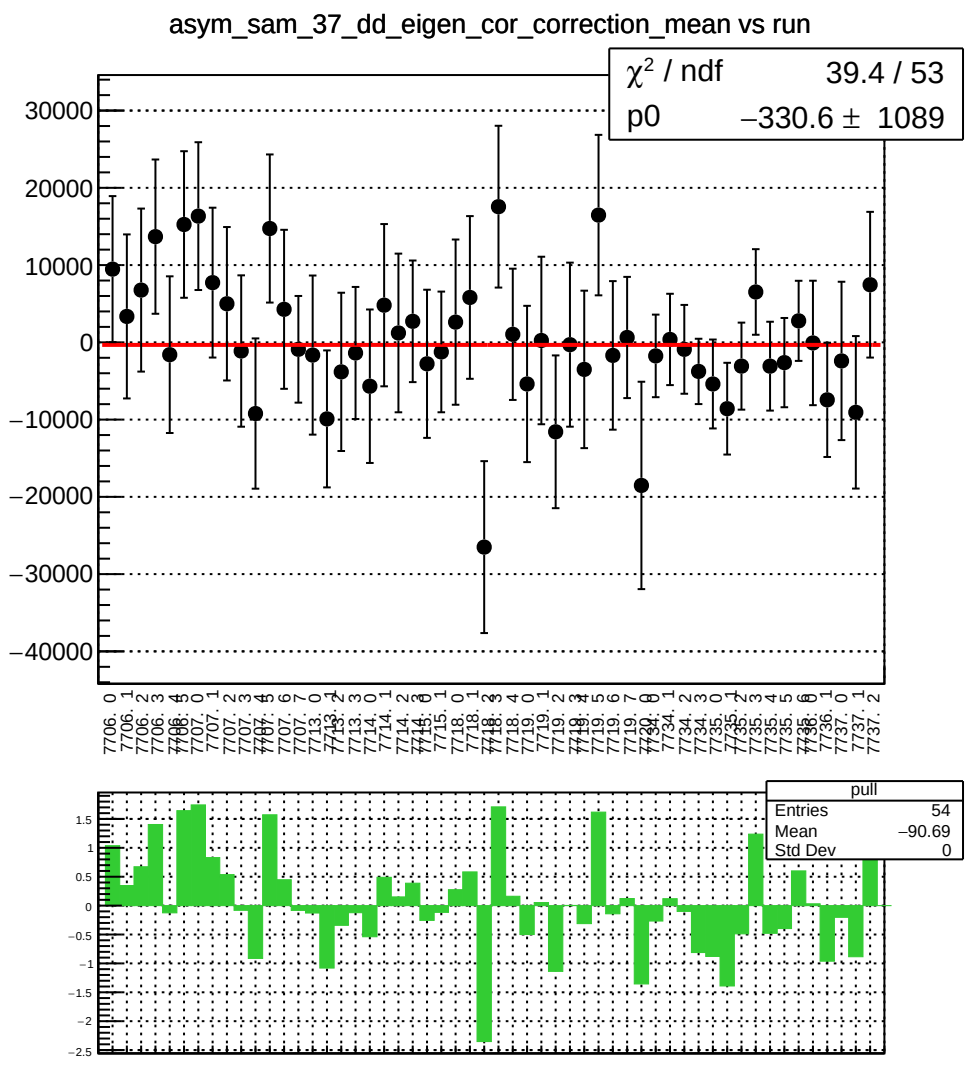

pull1D
Entries 54
Mean 0.03995
Std Dev 0.8532

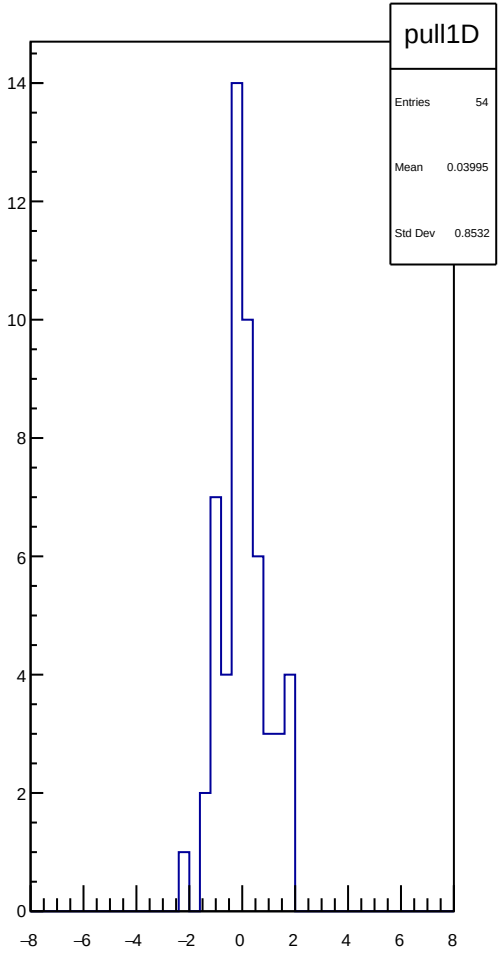

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 6.918e+04 / 53
p0 767 ± 0.7698
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

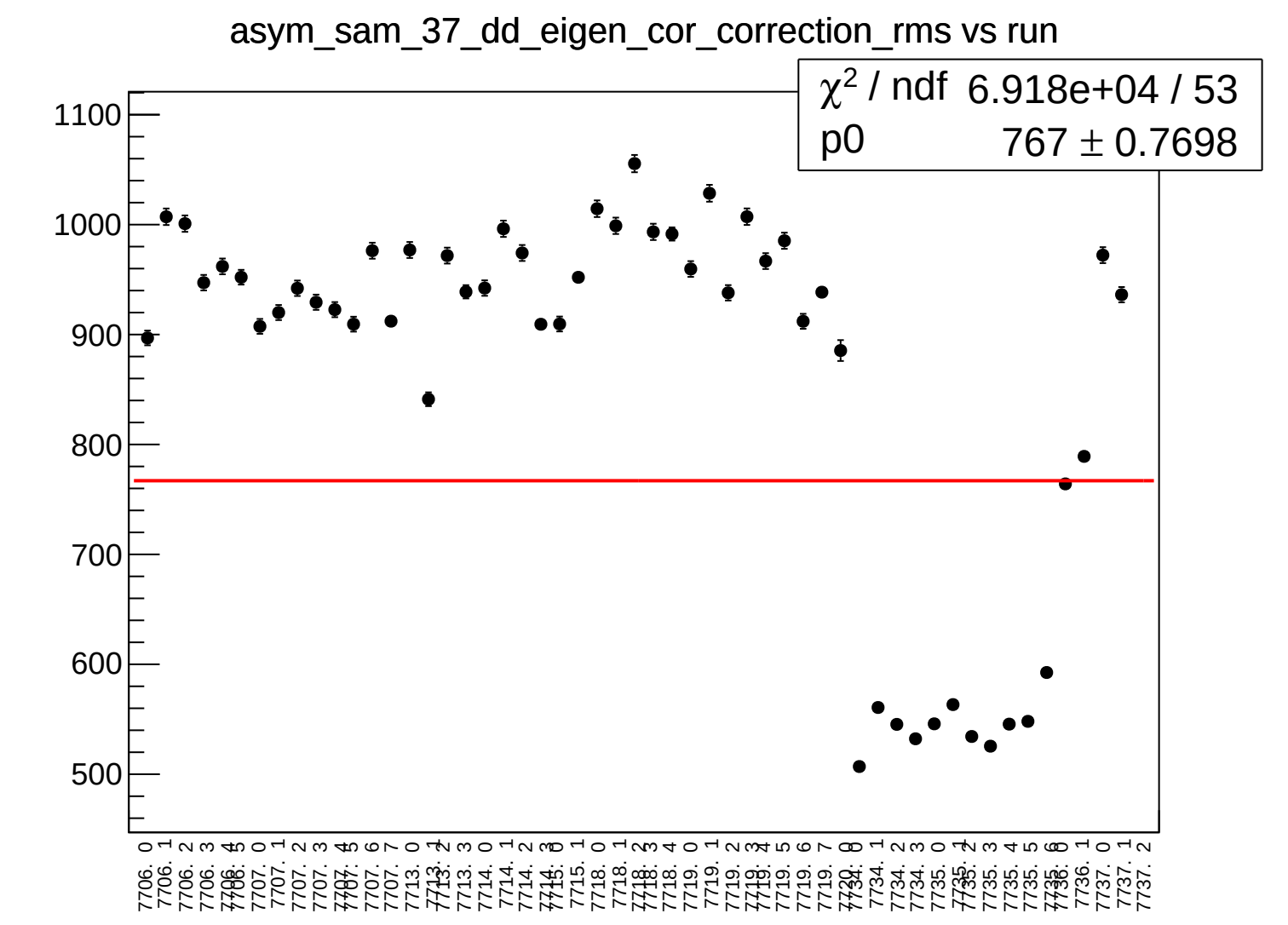

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 45.78 / 53
p0 186.5 ± 183
pull
Entries 54
Mean −252.5
Std Dev 0

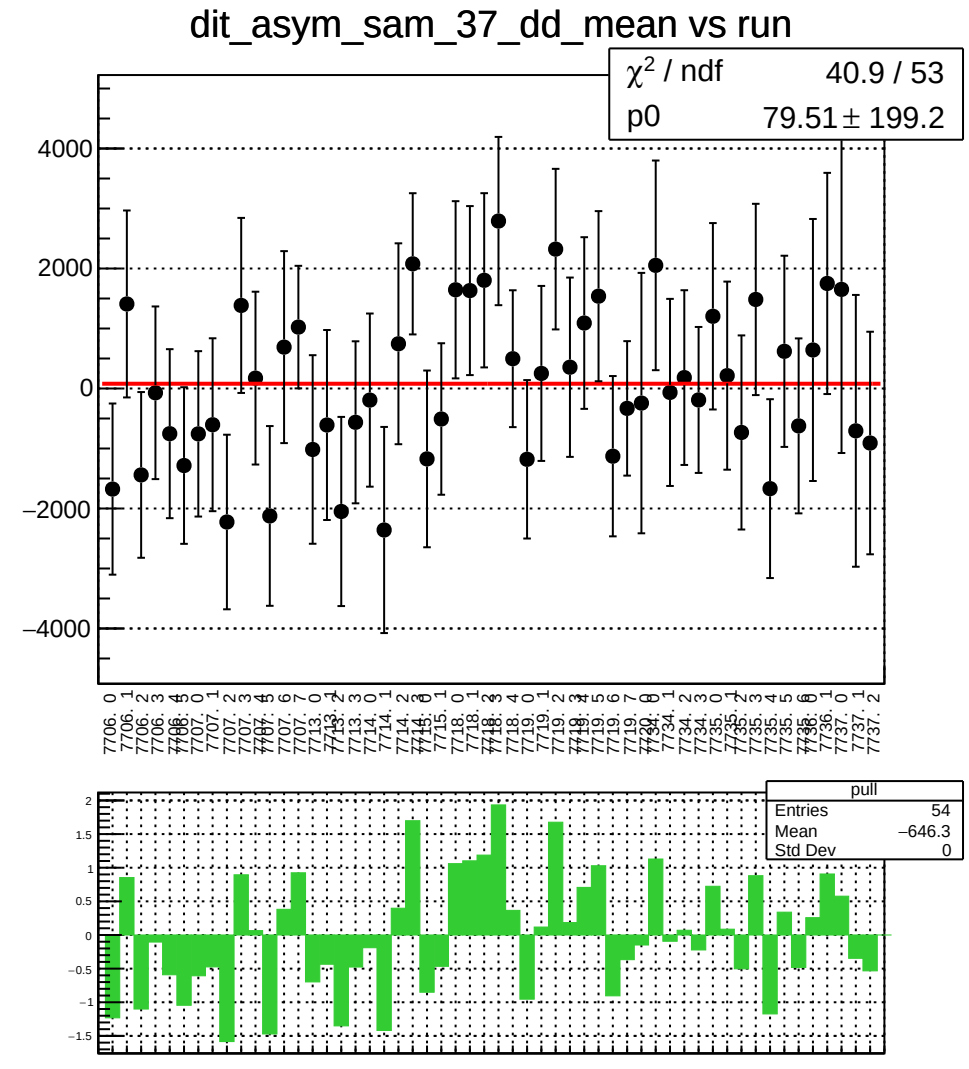

pull1D
Entries 54
Mean −0.01318
Std Dev 0.9207

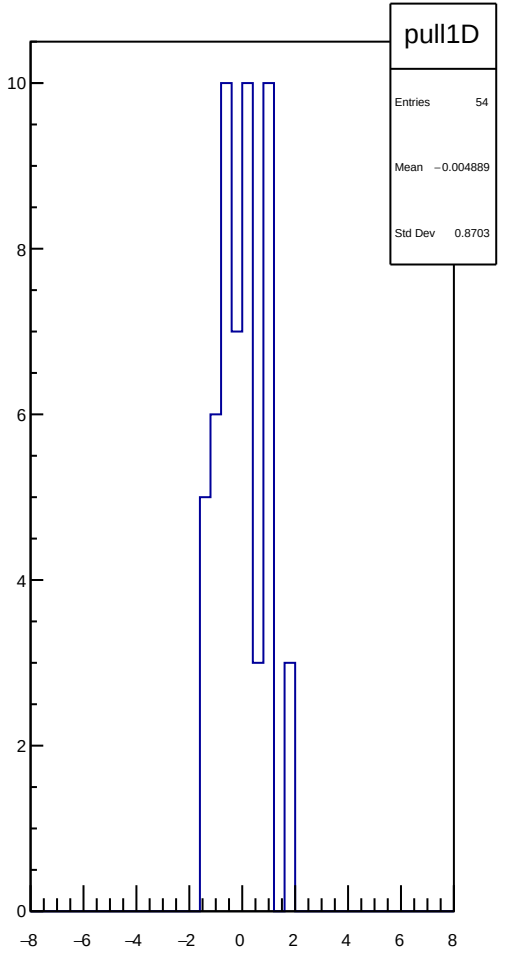

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.252e+04 / 53
p0 132.6 ± 0.1294
240
220
200
180
160
140
120

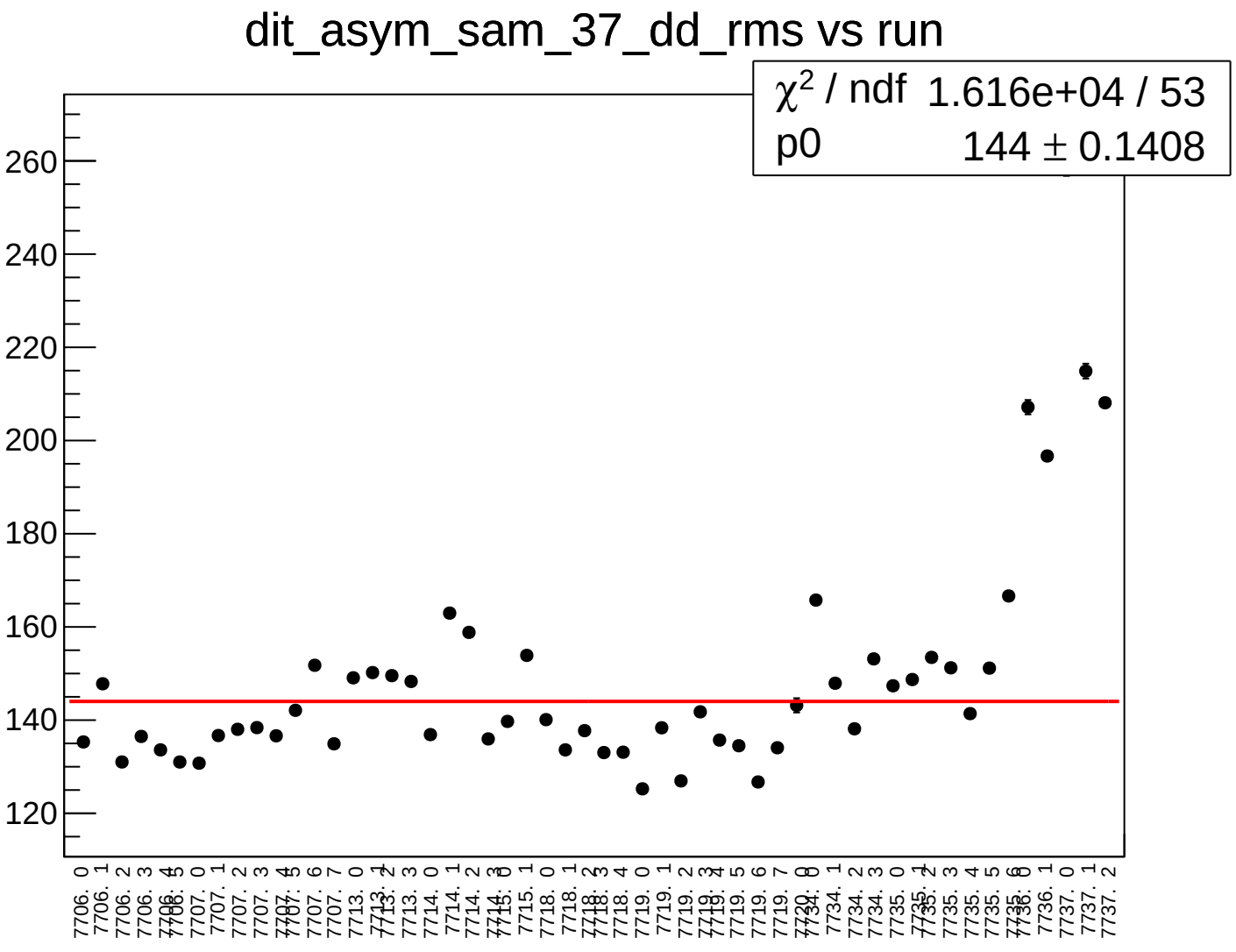

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.4 / 53
p0 −330.6 ± 1089
pull
Entries 54
Mean −90.69
Std Dev 0

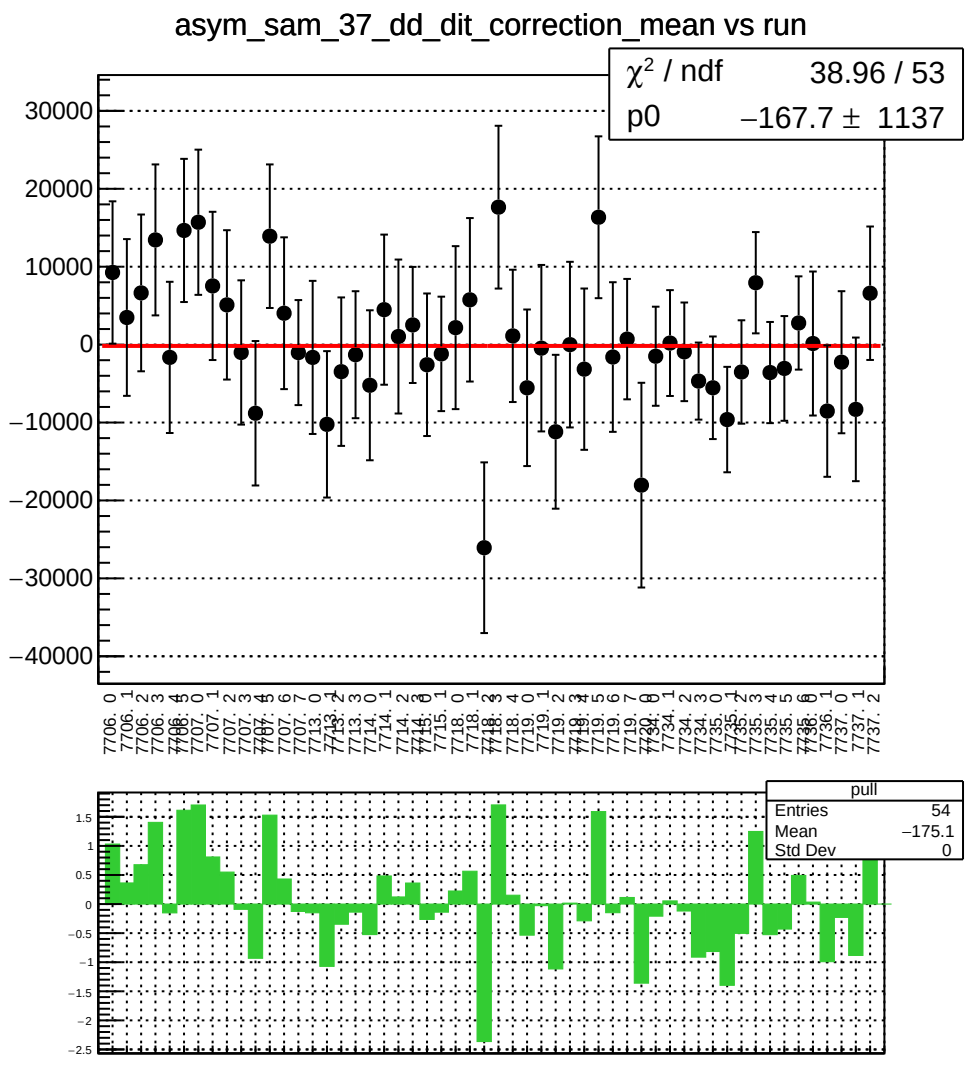

pull1D
Entries 54
Mean 0.03995
Std Dev 0.8532

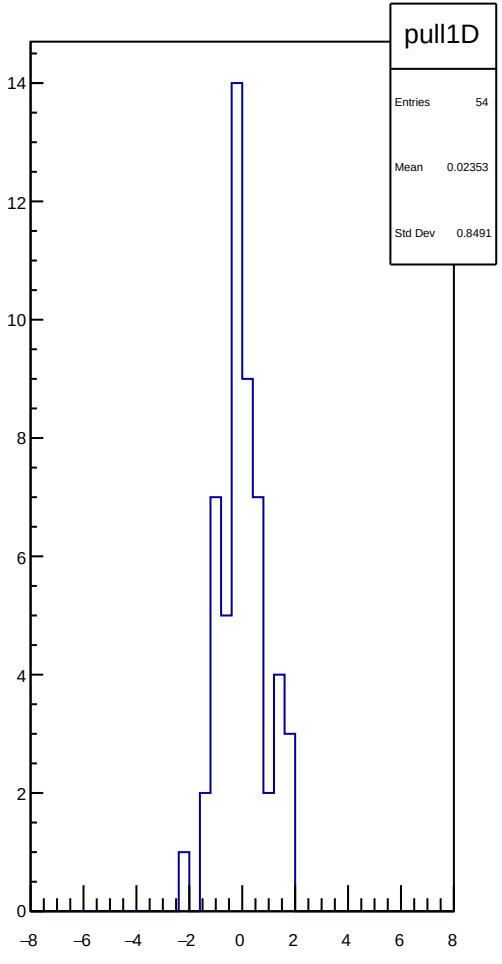

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 6.918e+04 / 53
p0 767 ± 0.7698
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

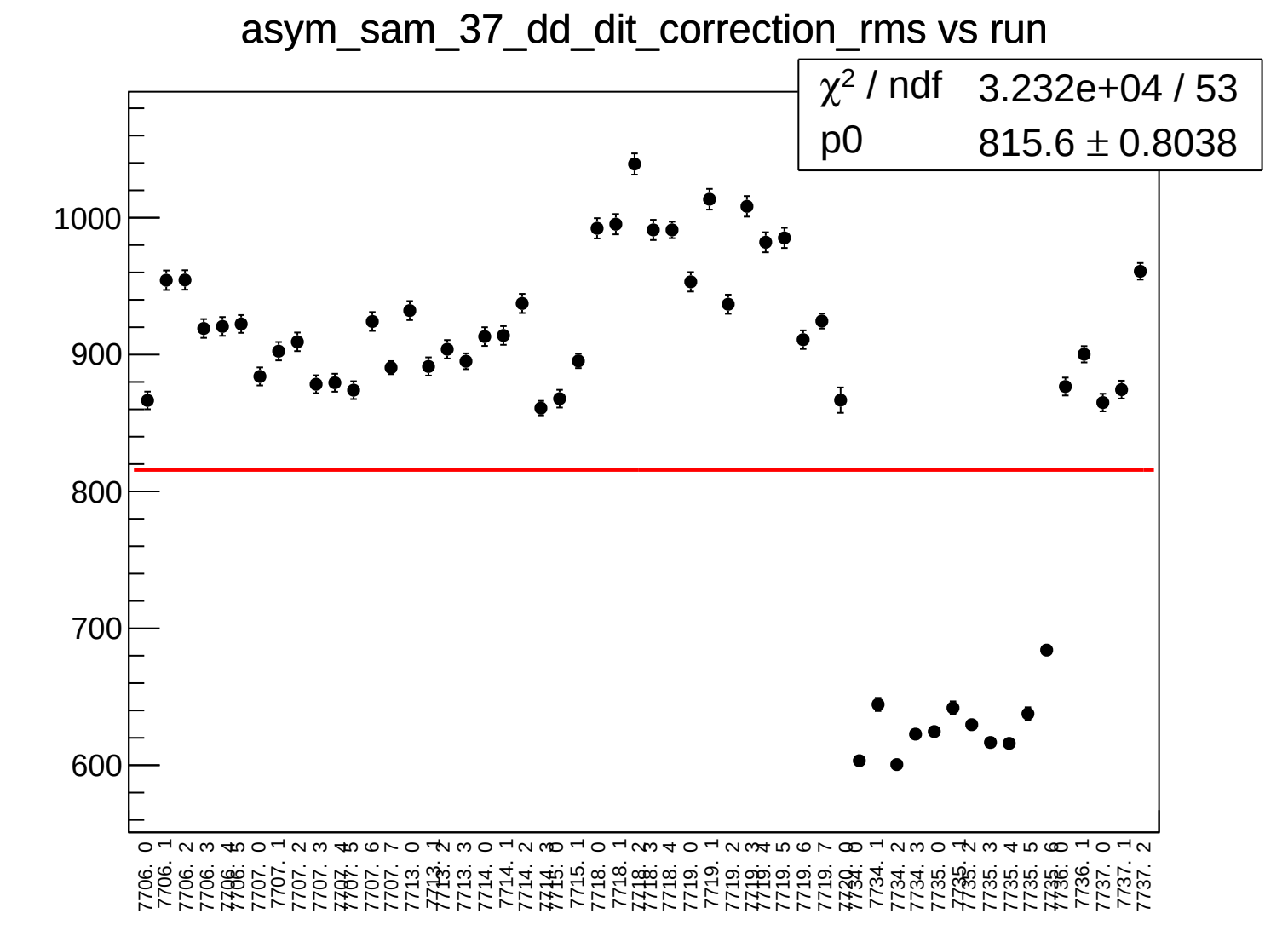

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 40.9 / 53
p0 79.51 ± 199.2
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −646.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

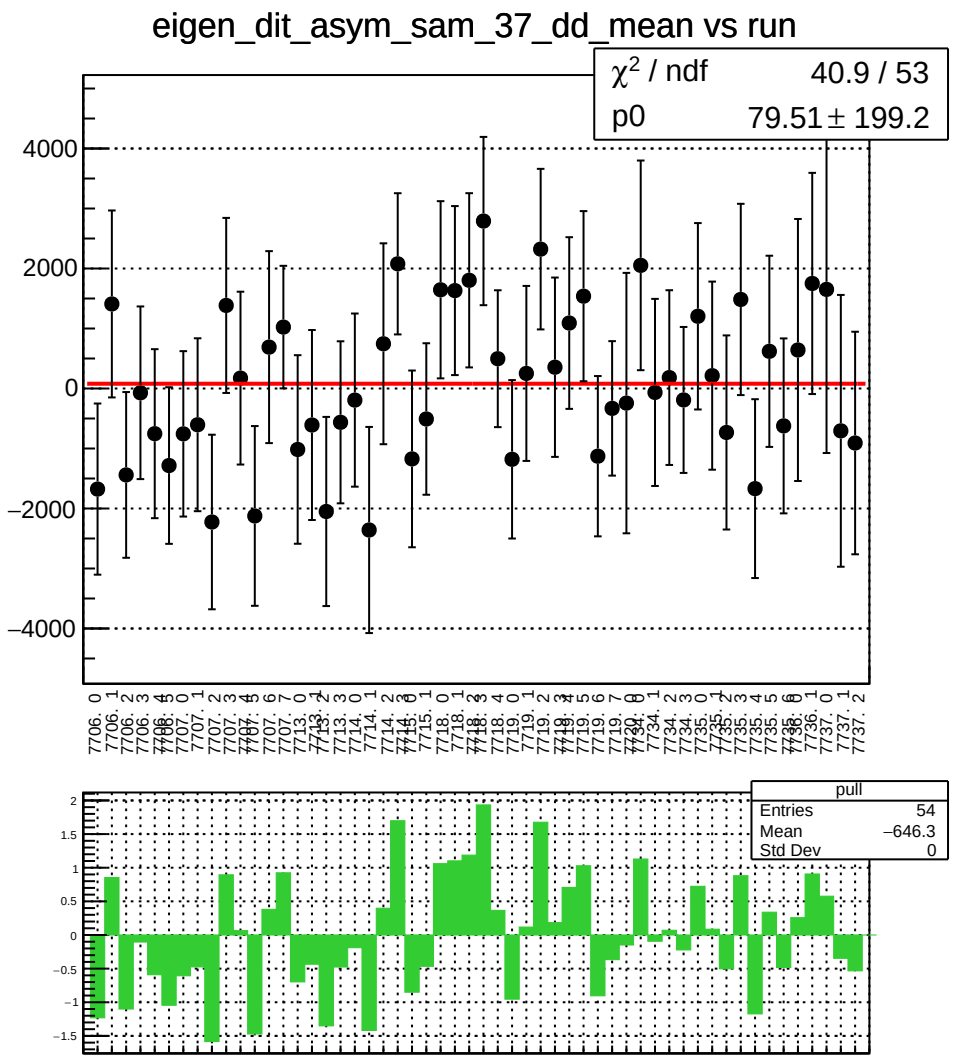

pull1D
Entries 54
Mean −0.004889
Std Dev 0.8703
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

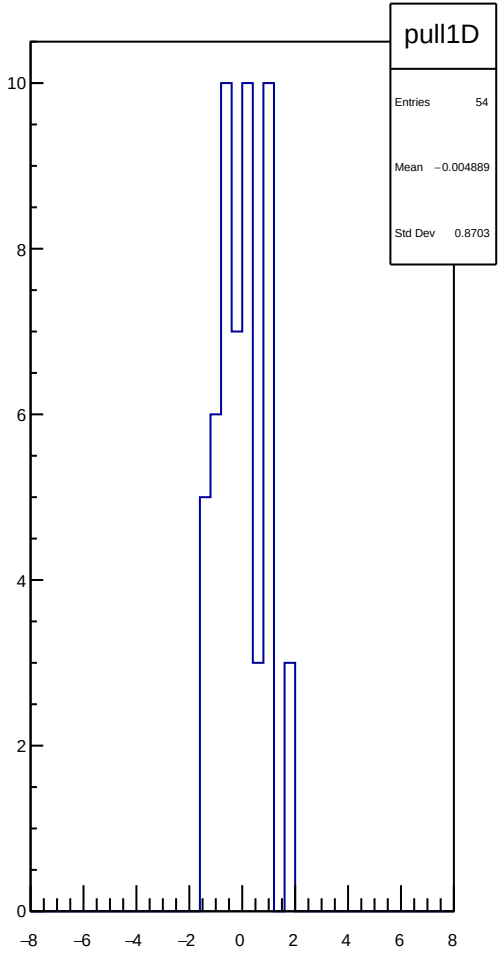

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.616e+04 / 53
p0 144 ± 0.1408
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

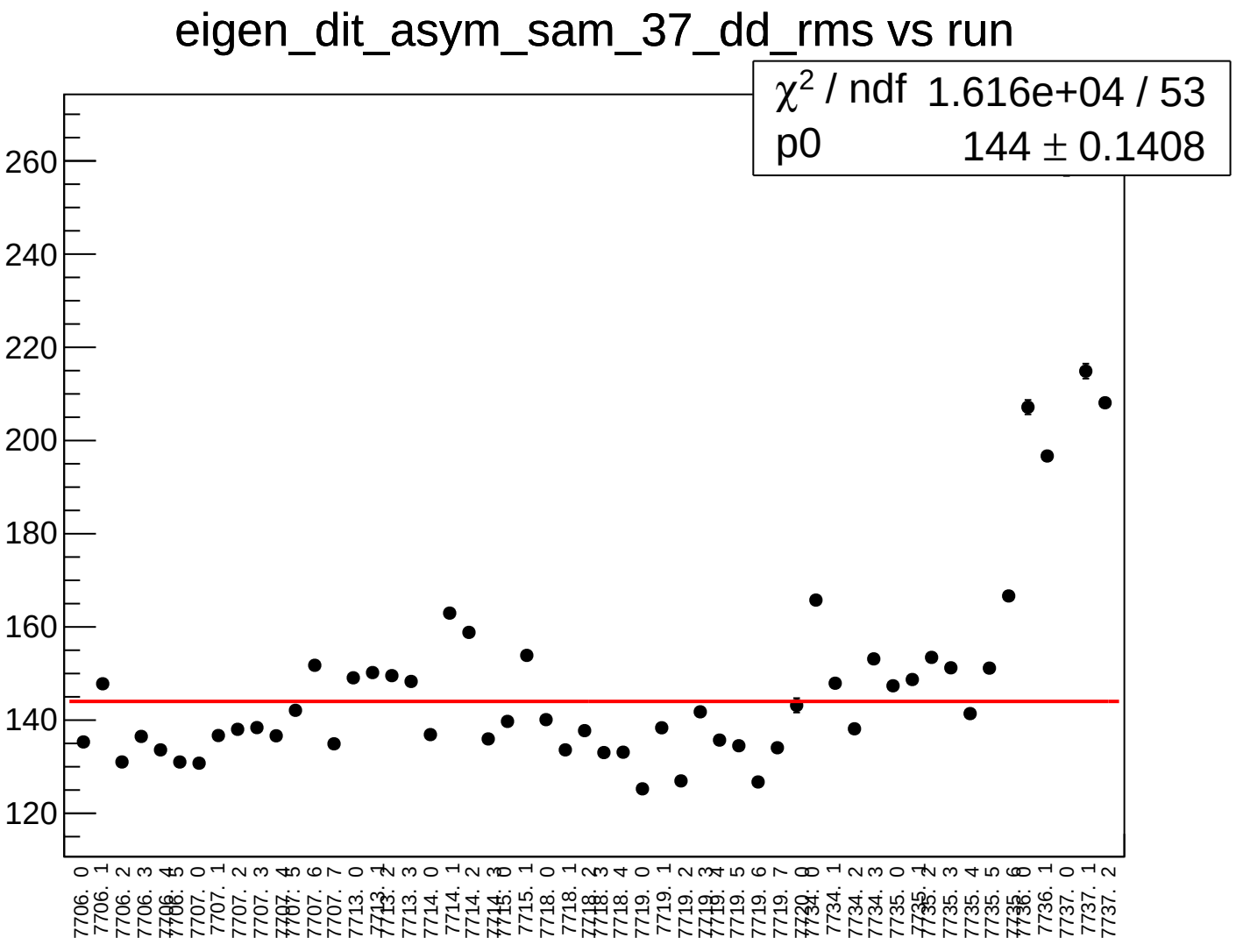

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 38.96 / 53
p0 −167.7 ± 1137
pull
Entries 54
Mean −175.1
Std Dev 0

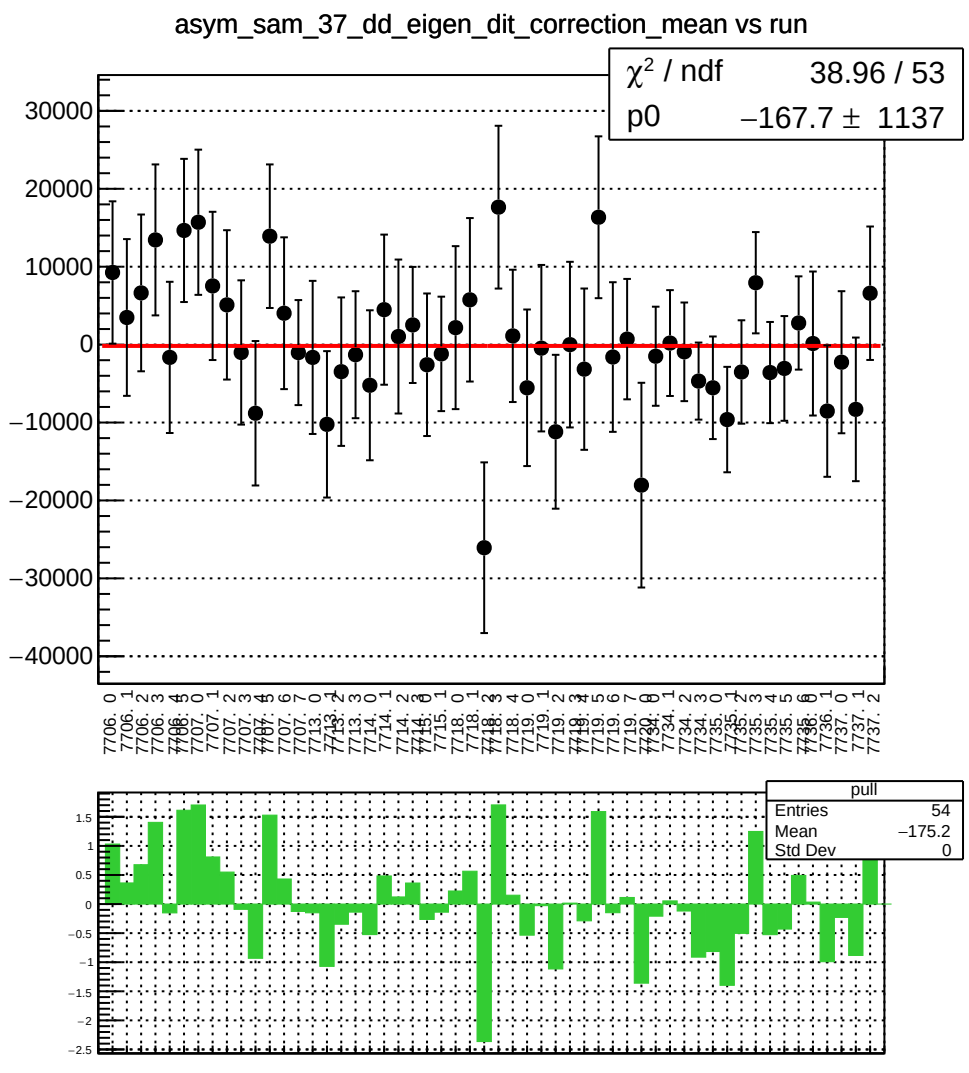

pull1D
Entries 54
Mean 0.02353
Std Dev 0.8491

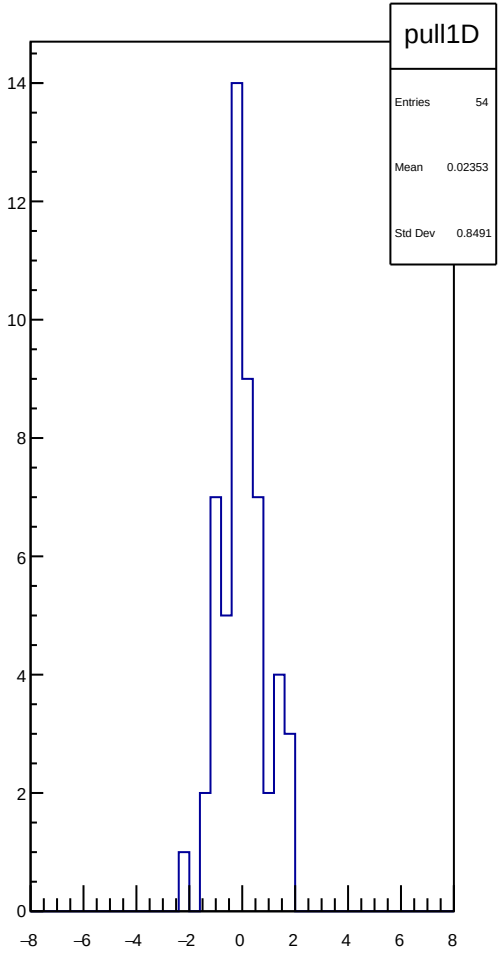

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3.232e+04 / 53
p0 815.6 ± 0.8038
1000
900
800
700
600

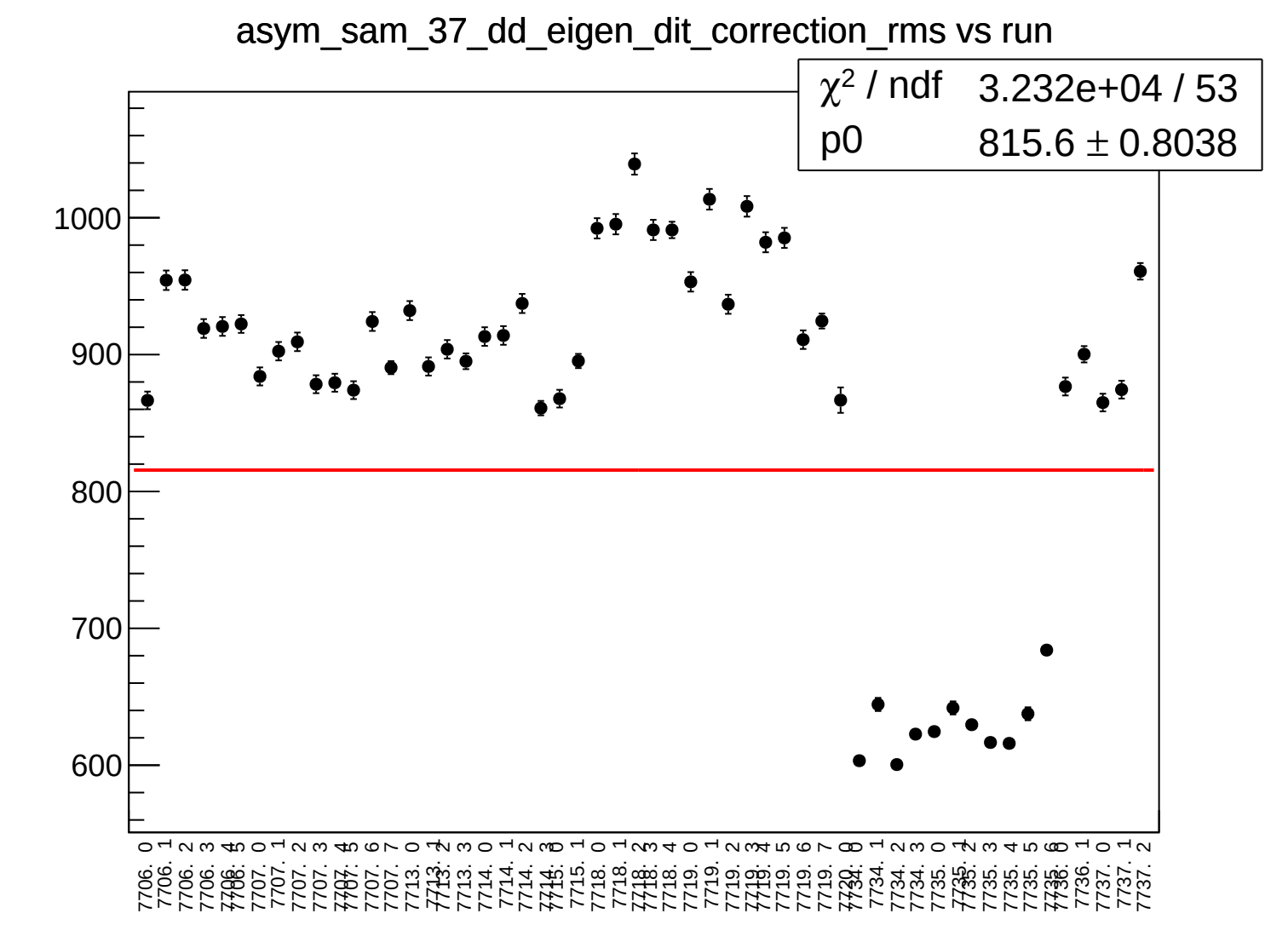

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 40.9 / 53
p0 79.51 ± 199.2
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −646.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

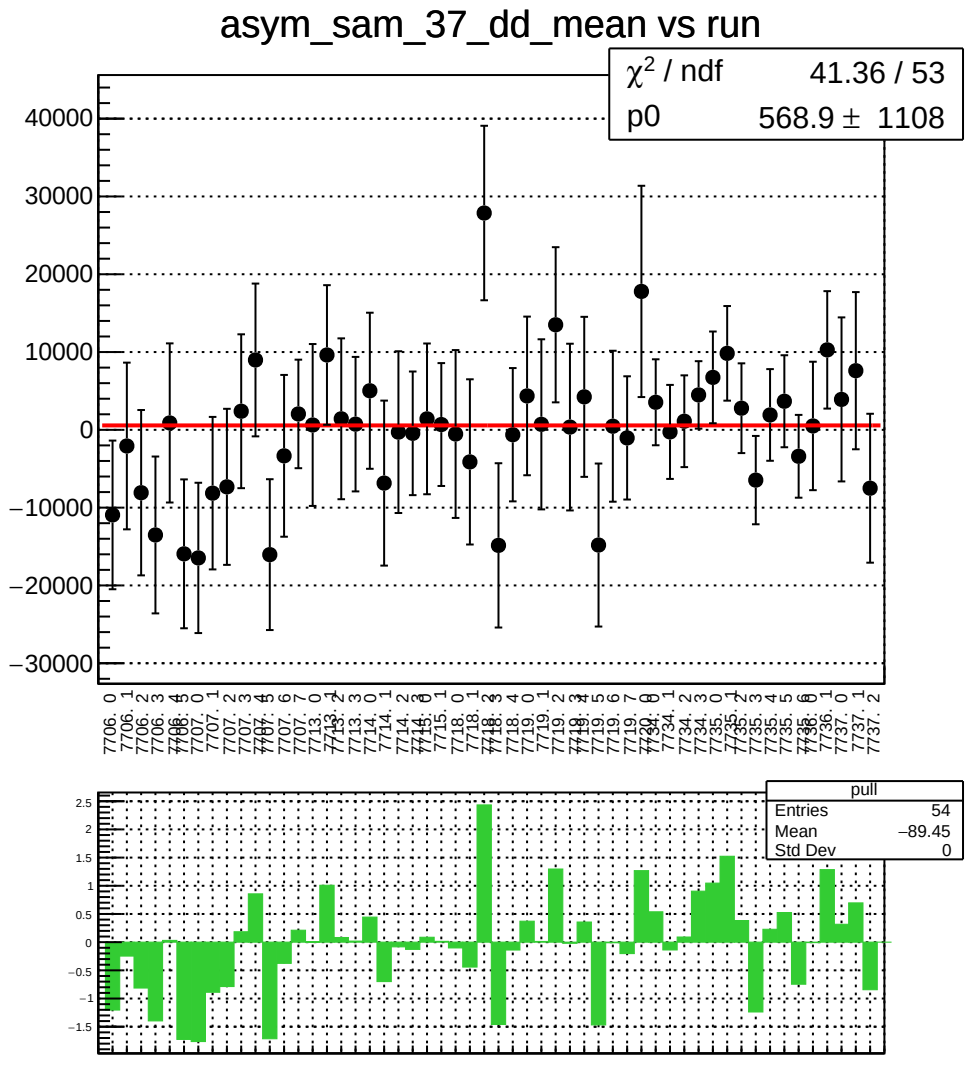

pull1D
Entries 54
Mean −0.004889
Std Dev 0.8703
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

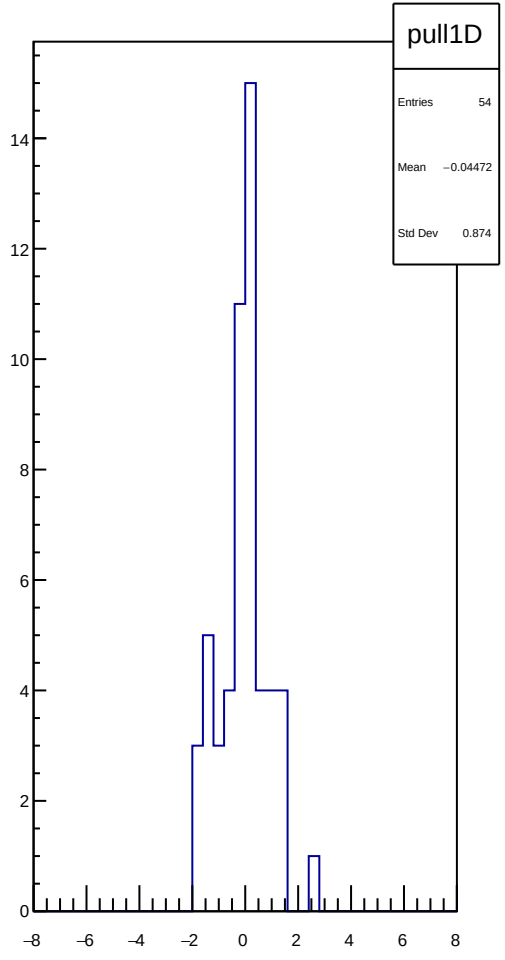

eigen_dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.616e+04 / 53
p0 144 ± 0.1408
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

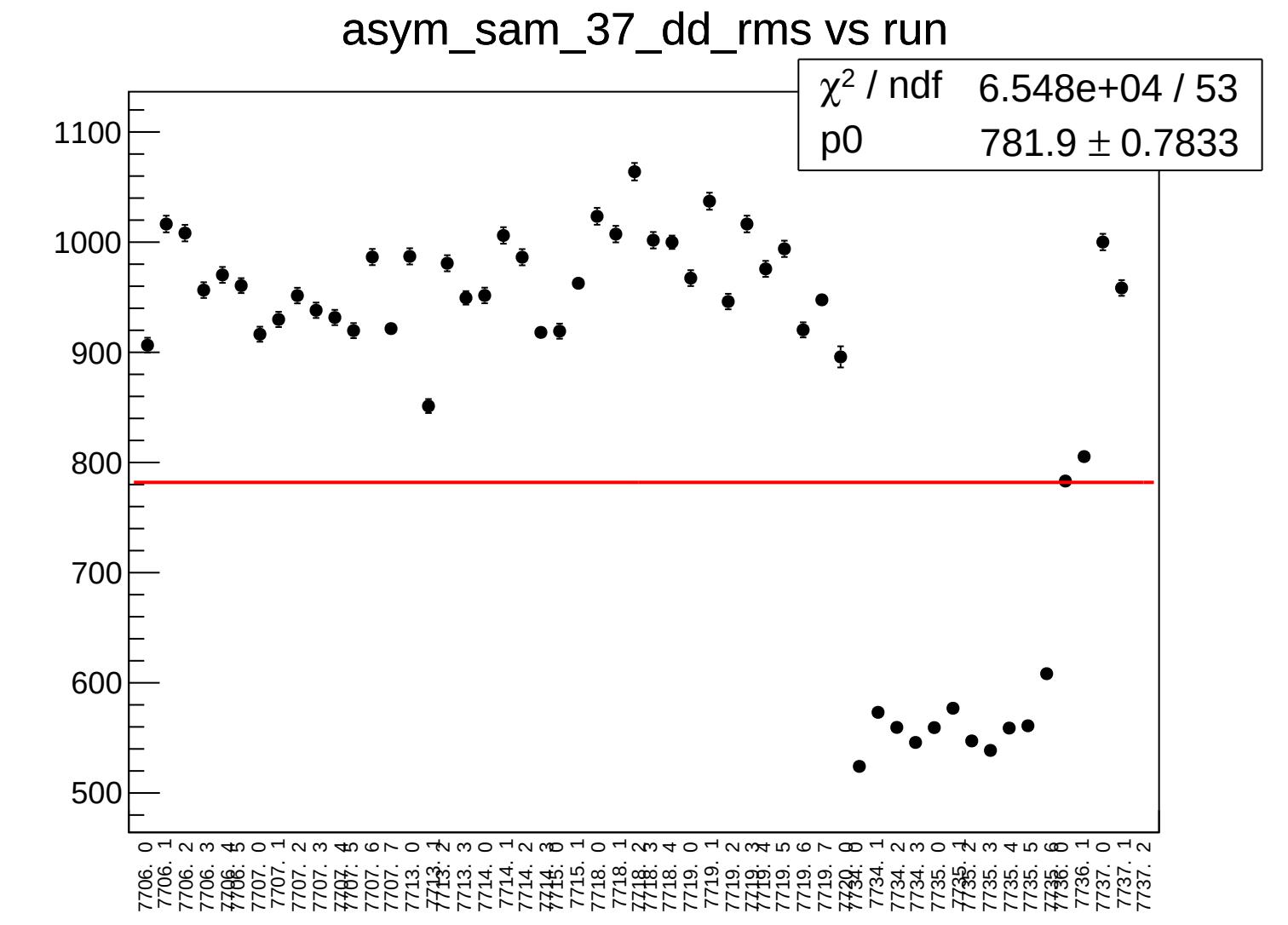

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 38.96 / 53
p0 −167.7 ± 1137
pull
Entries 54
Mean −175.2
Std Dev 0

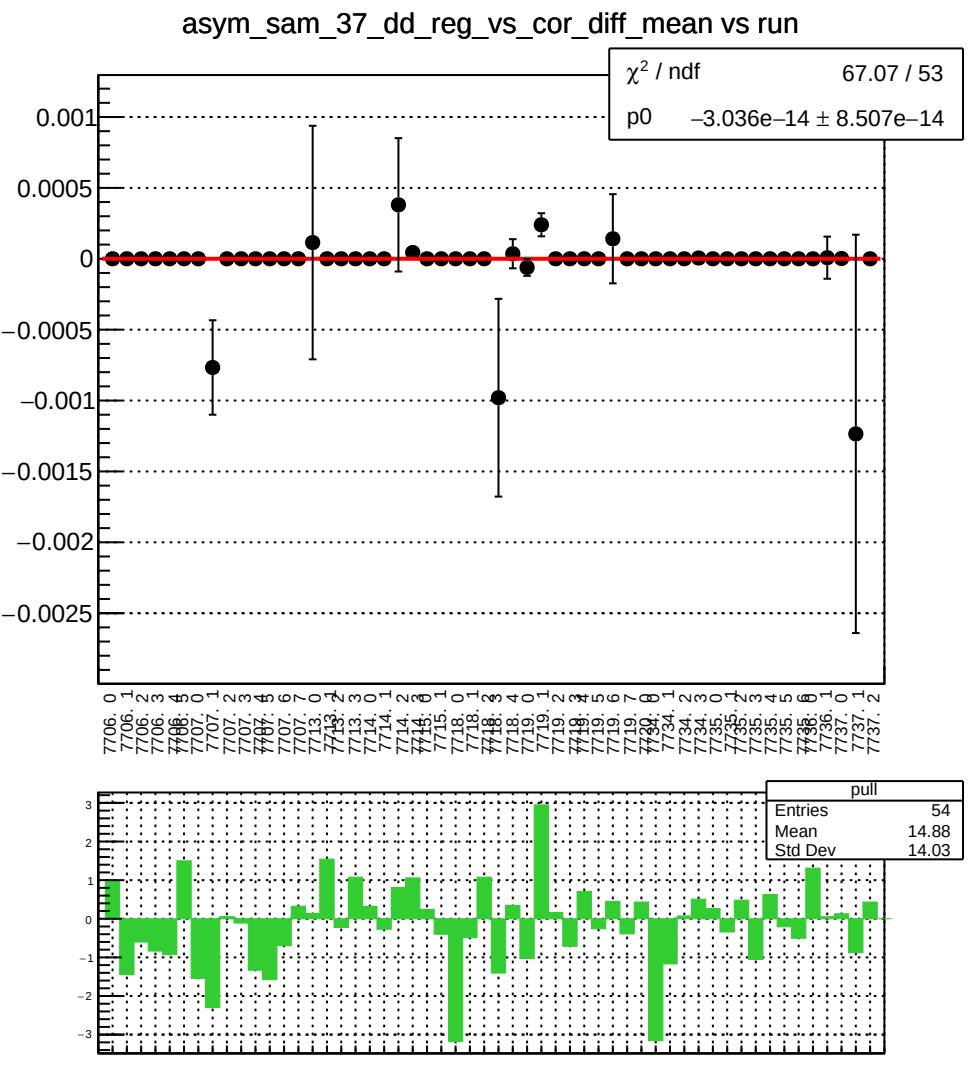

pull1D
Entries 54
Mean 0.02353
Std Dev 0.8491

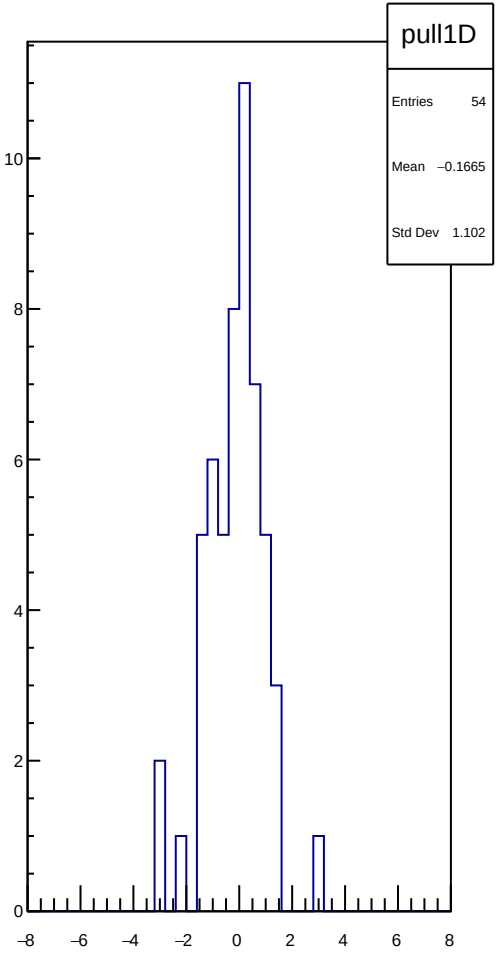

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.232e+04 / 53
p0 815.6 ± 0.8038
1000
900
800
700
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

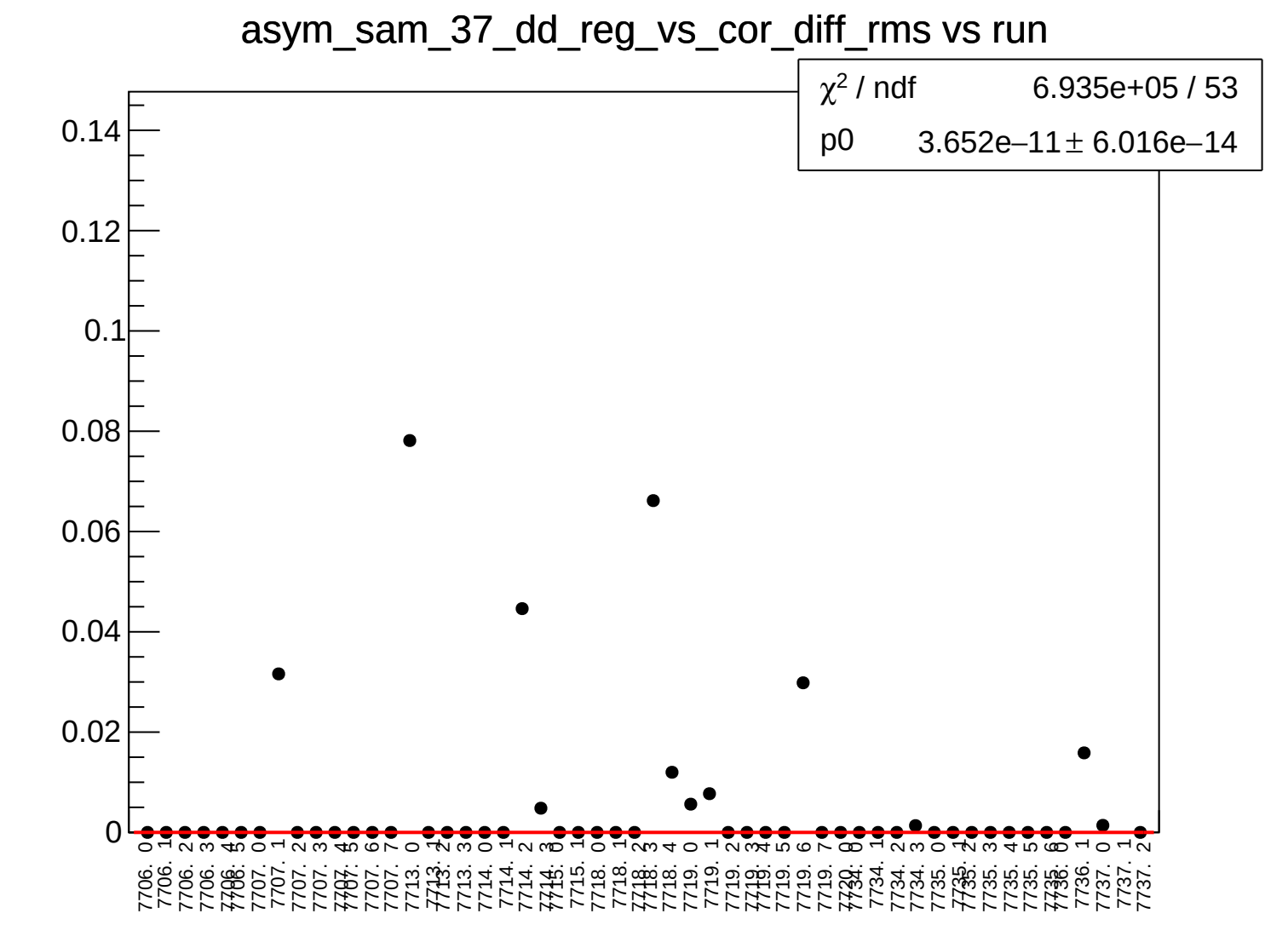

asym_sam_37_dd_mean vs run
χ² / ndf 41.36 / 53
p0 568.9 ± 1108
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −89.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

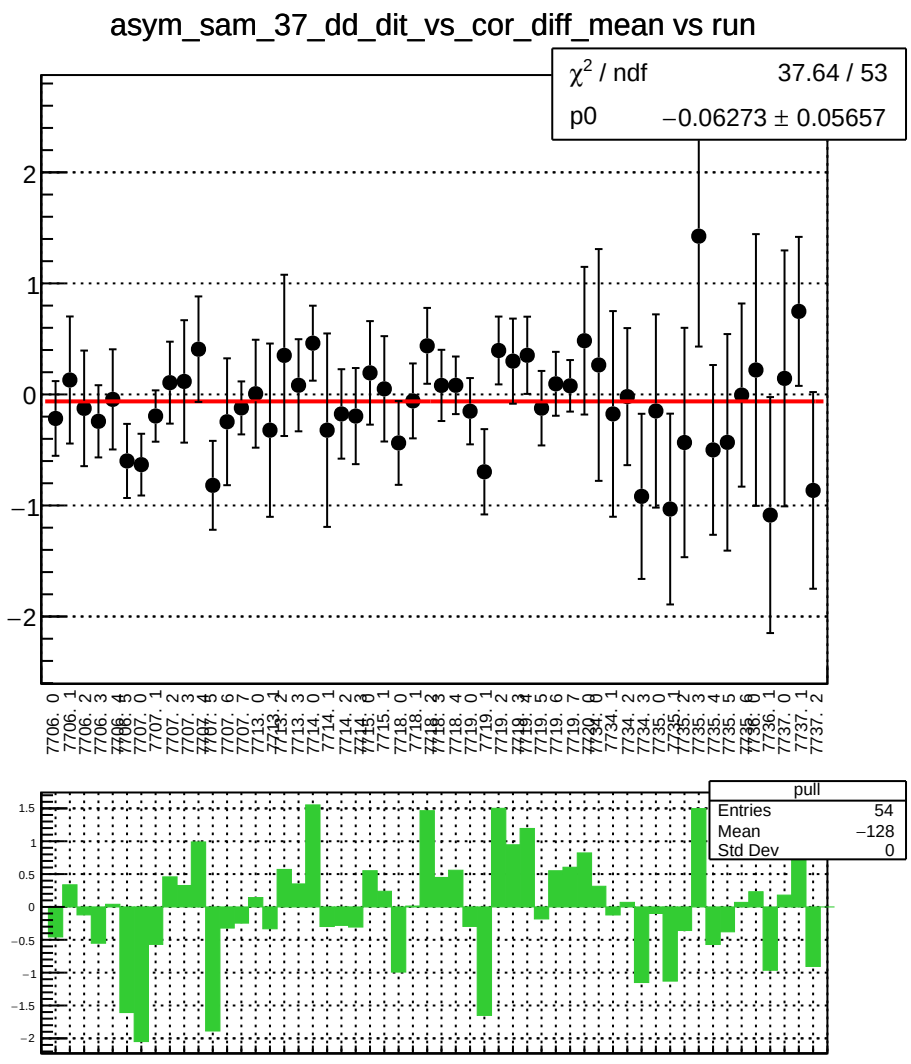

pull1D
Entries 54
Mean −0.04472
Std Dev 0.874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

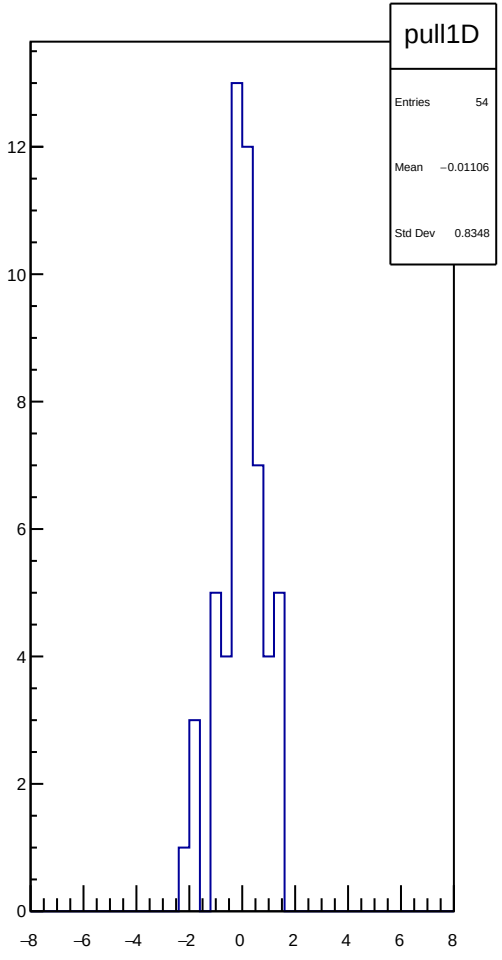

asym_sam_37_dd_rms vs run
χ² / ndf 6.548e+04 / 53
p0 781.9 ± 0.7833
1100
1000
900
800
700
600
500

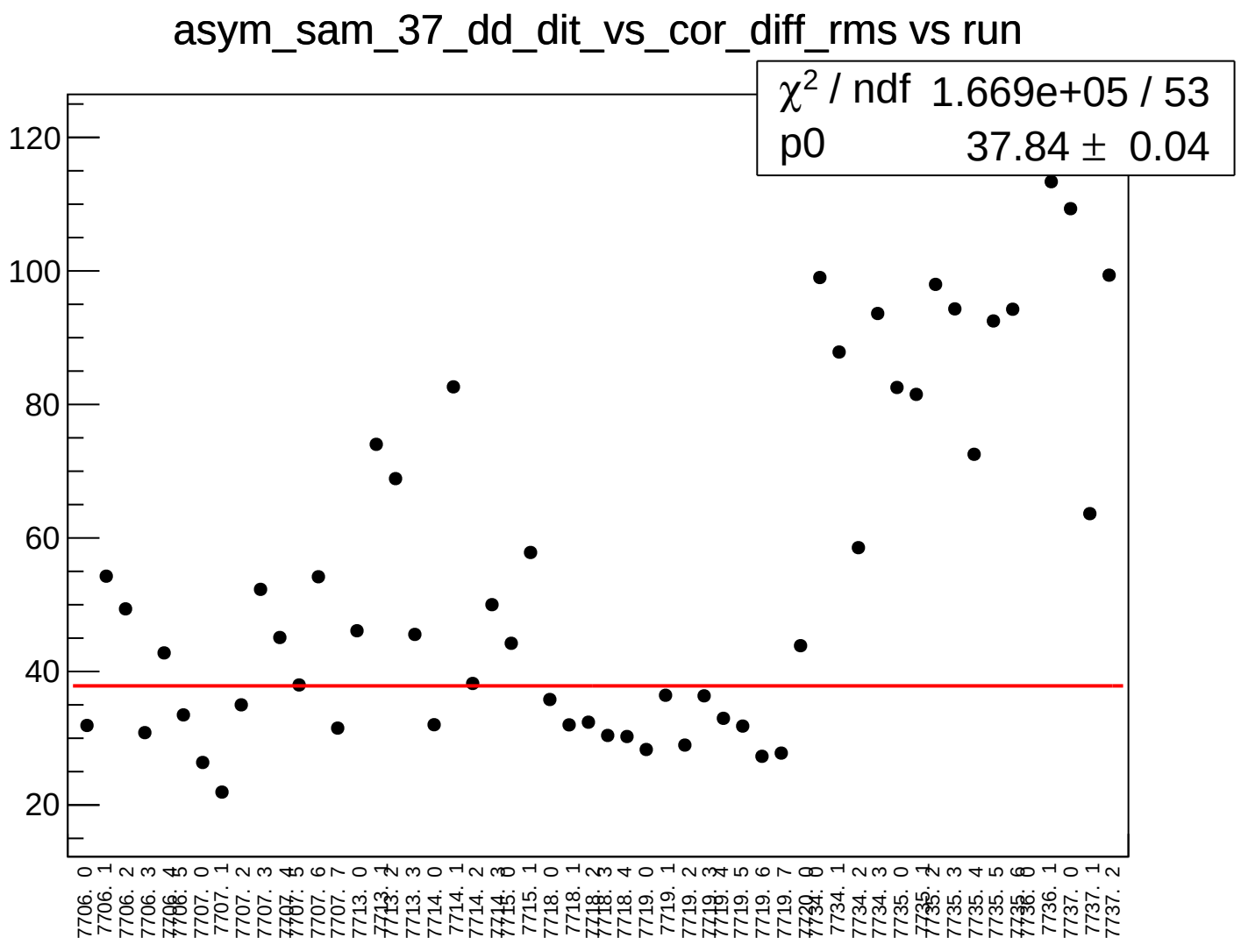

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 67.07 / 53
p0 −3.036e−14 ± 8.507e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 54
Mean 14.88
Std Dev 14.03

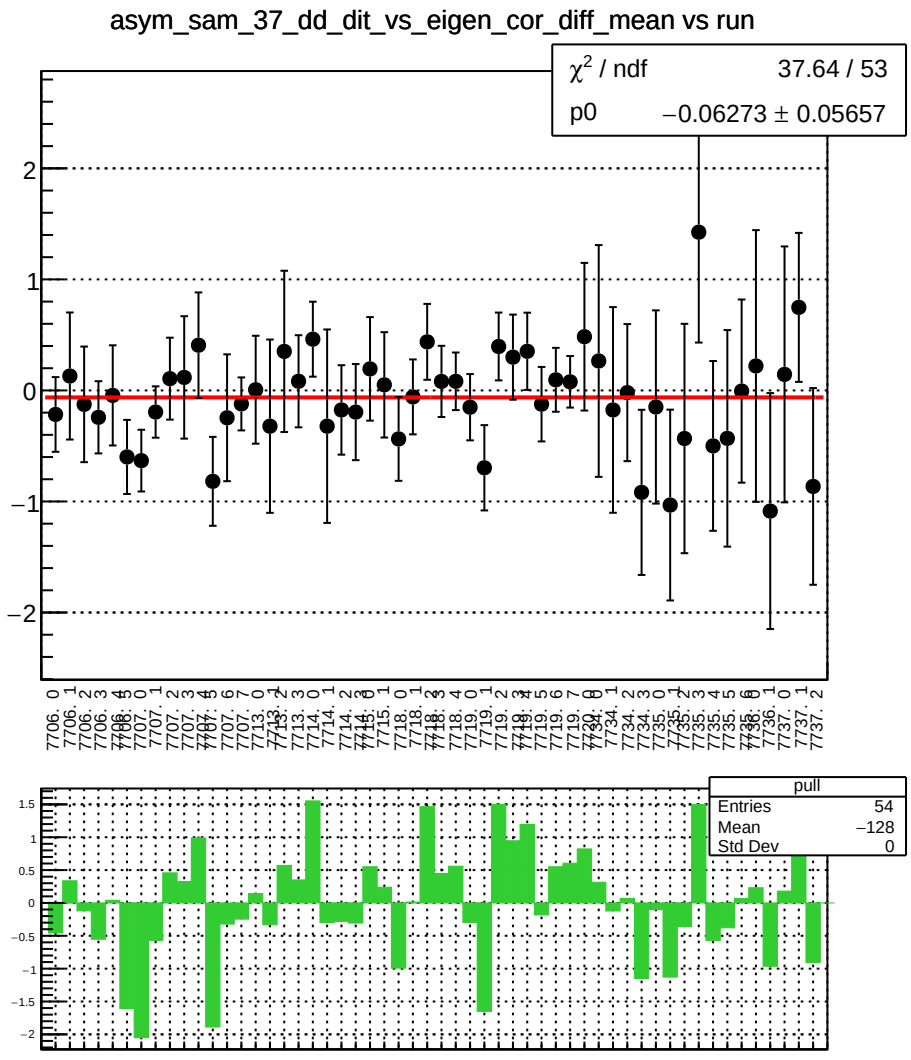

pull1D
Entries 54
Mean −0.1665
Std Dev 1.102

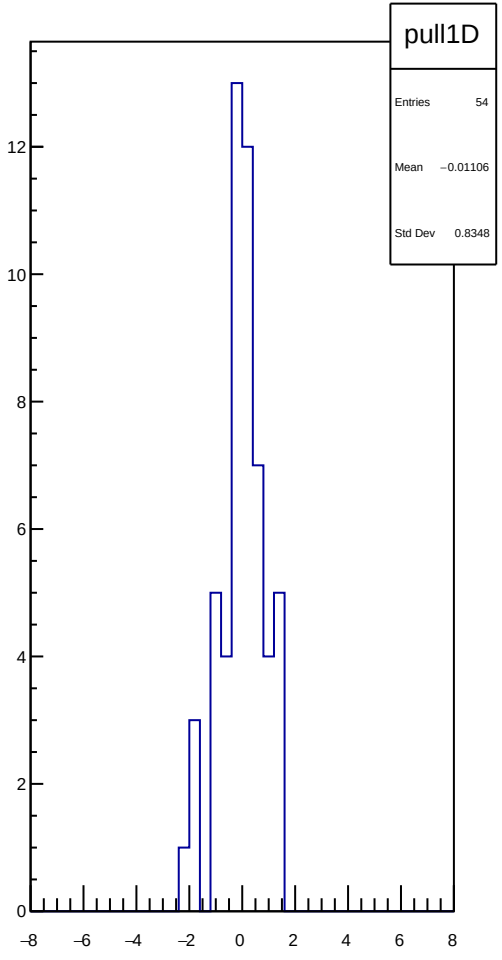

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.935e+05 / 53
p0 3.652e−11 ± 6.016e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

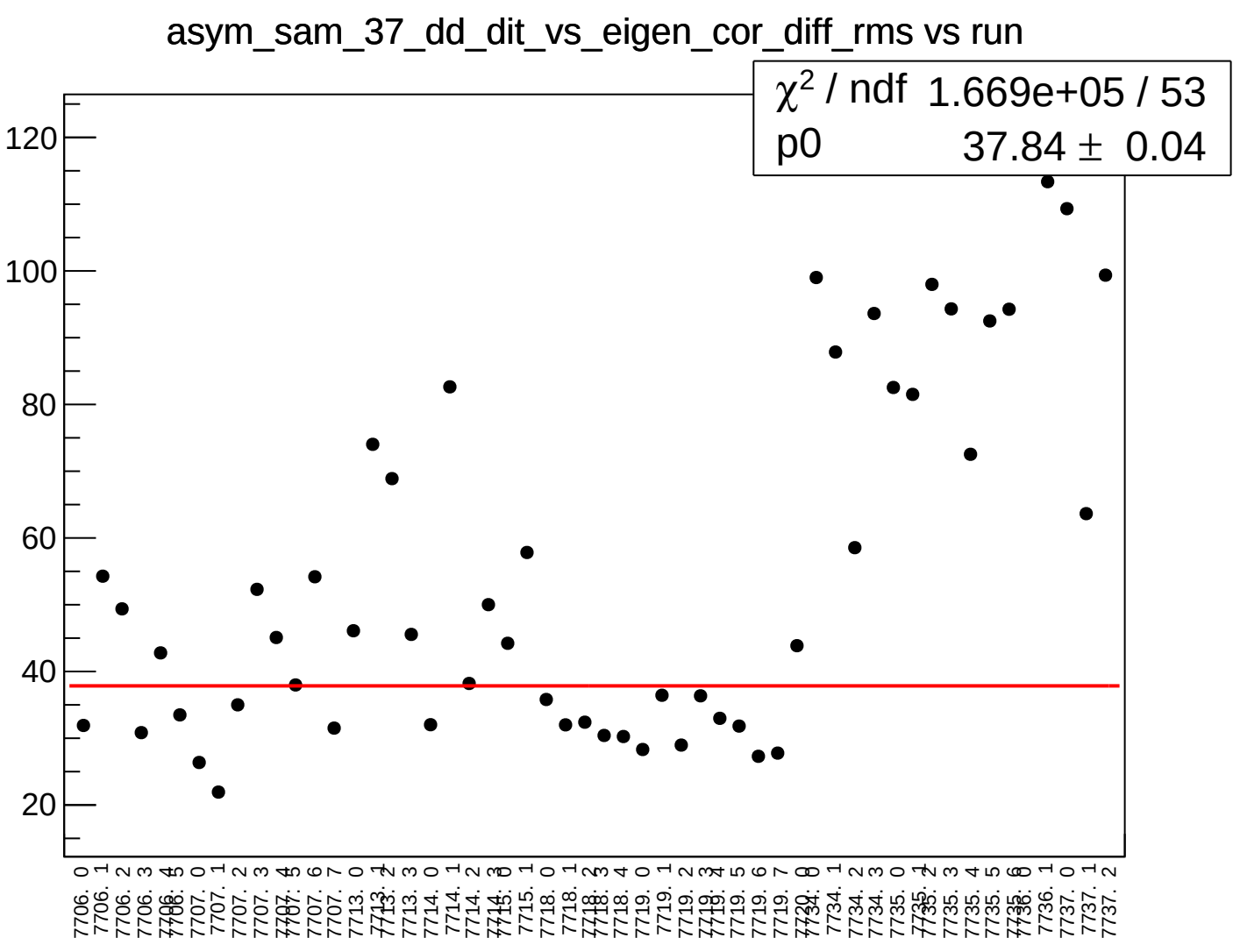

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.64 / 53
p0 −0.06273 ± 0.05657
pull
Entries 54
Mean −128
Std Dev 0

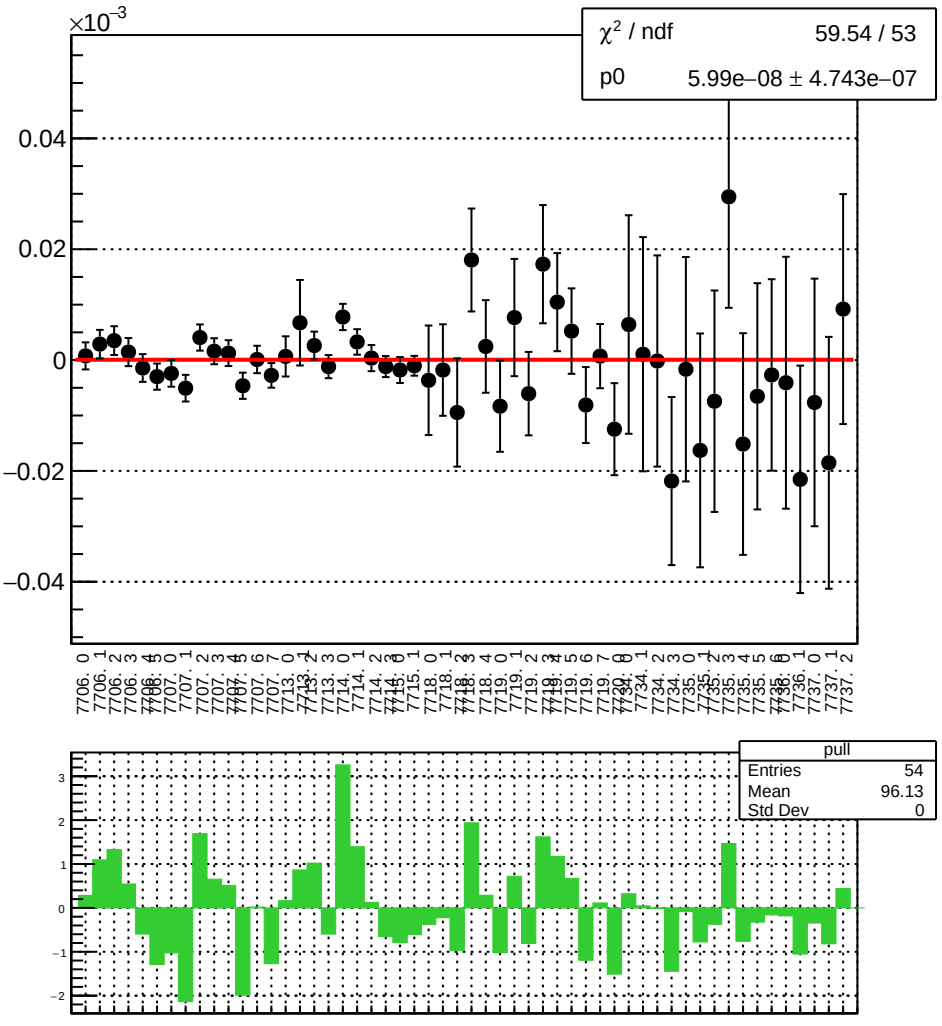

pull1D
Entries 54
Mean −0.01106
Std Dev 0.8348

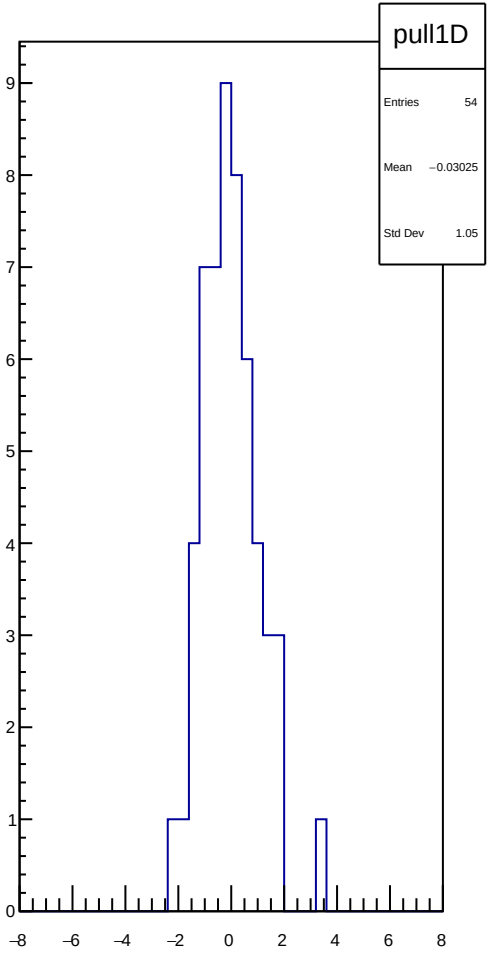

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.669e+05 / 53
p0 37.84 ± 0.04
120
100
80
60
40
20

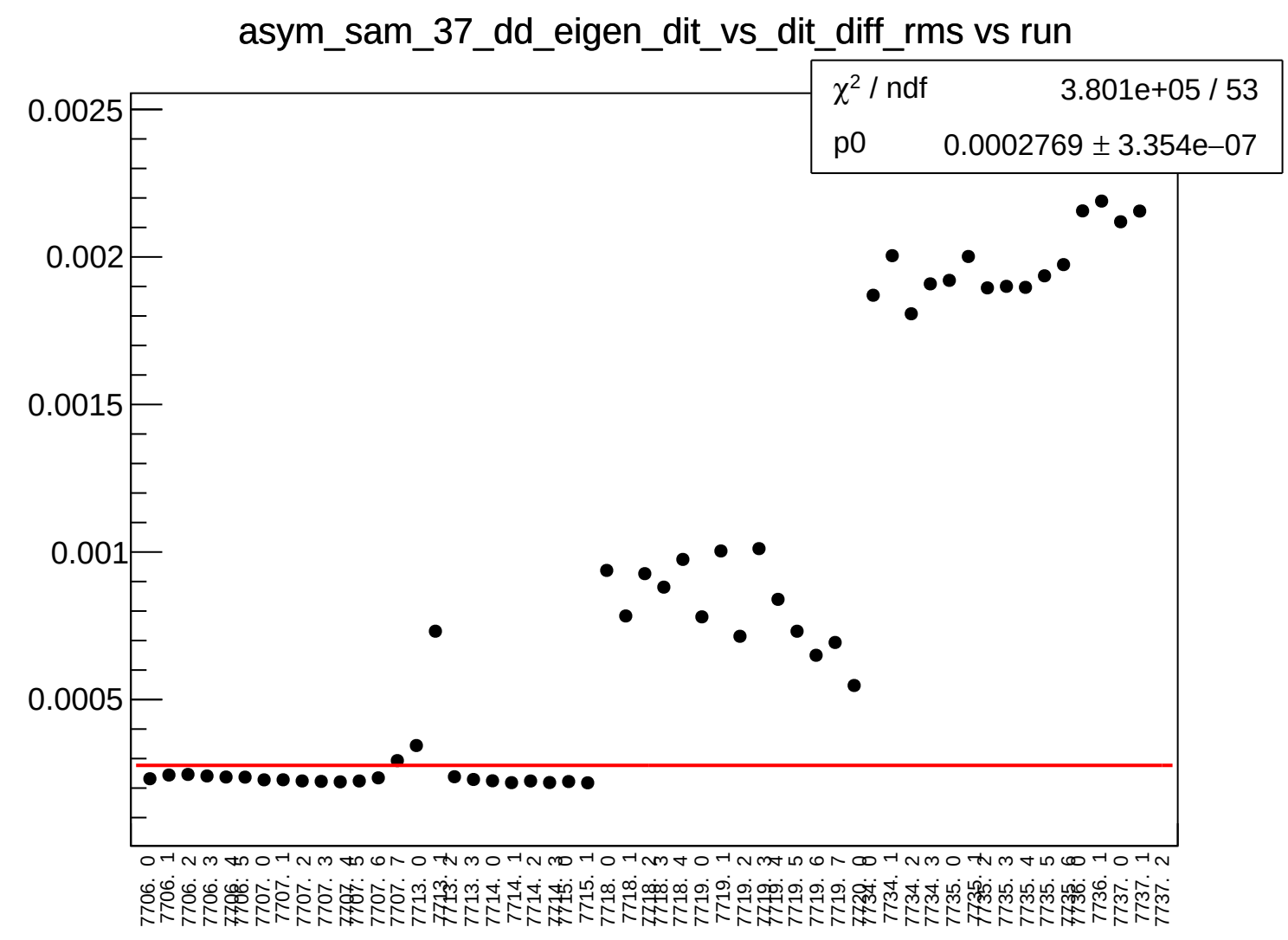

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.64 / 53
p0 −0.06273 ± 0.05657
pull
Entries 54
Mean −128
Std Dev 0

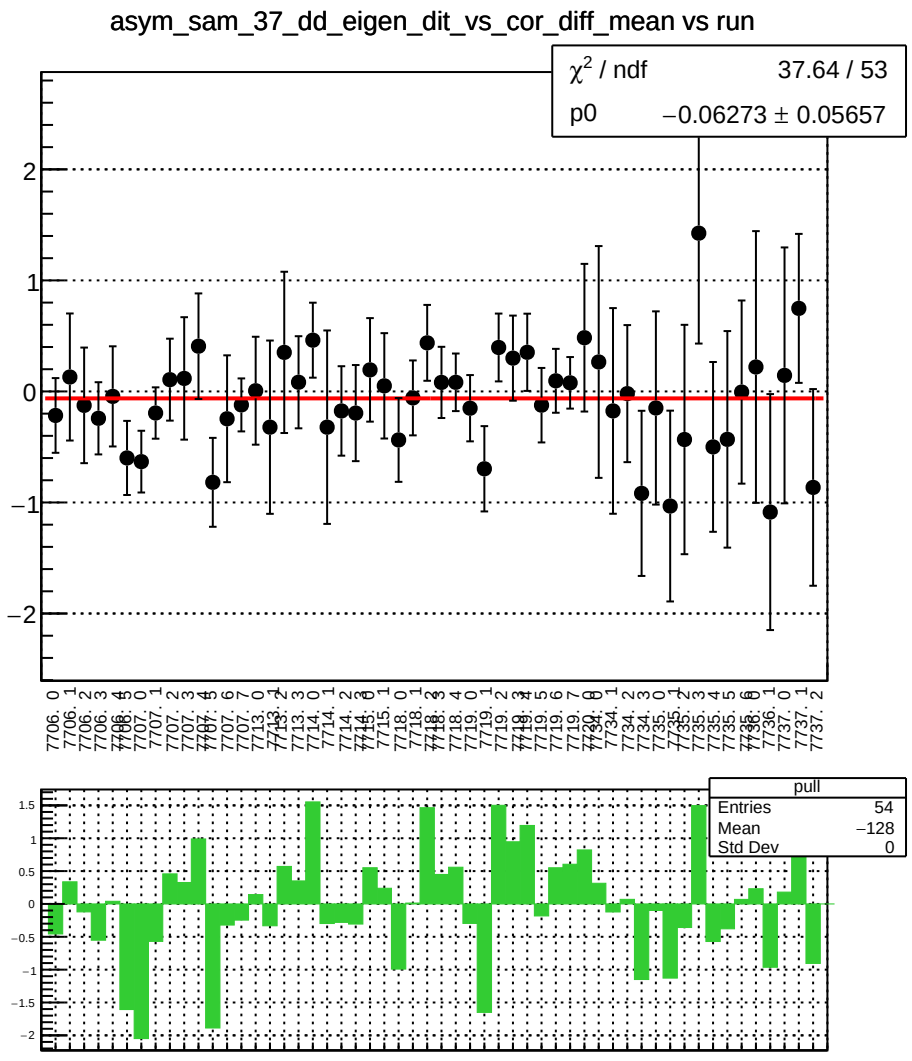

pull1D
Entries 54
Mean −0.01106
Std Dev 0.8348

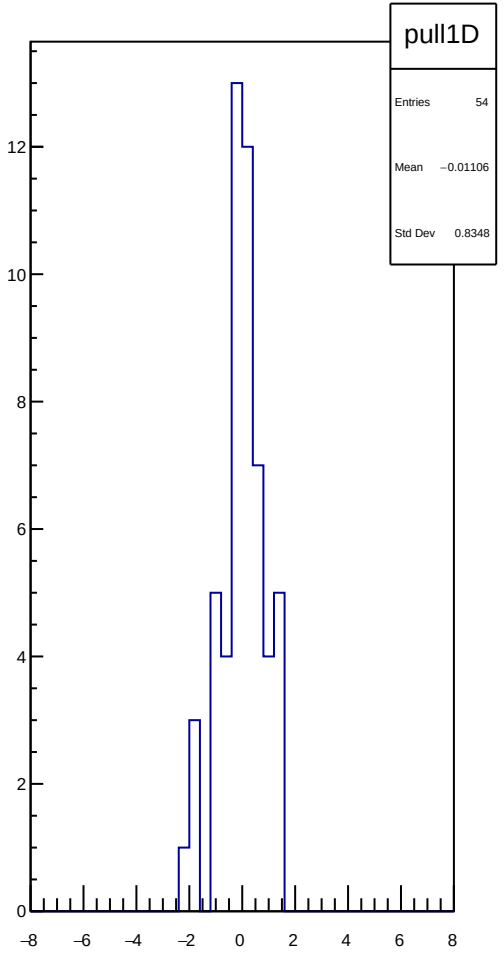

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 53
p0 37.84 ± 0.04
120
100
80
60
40
20

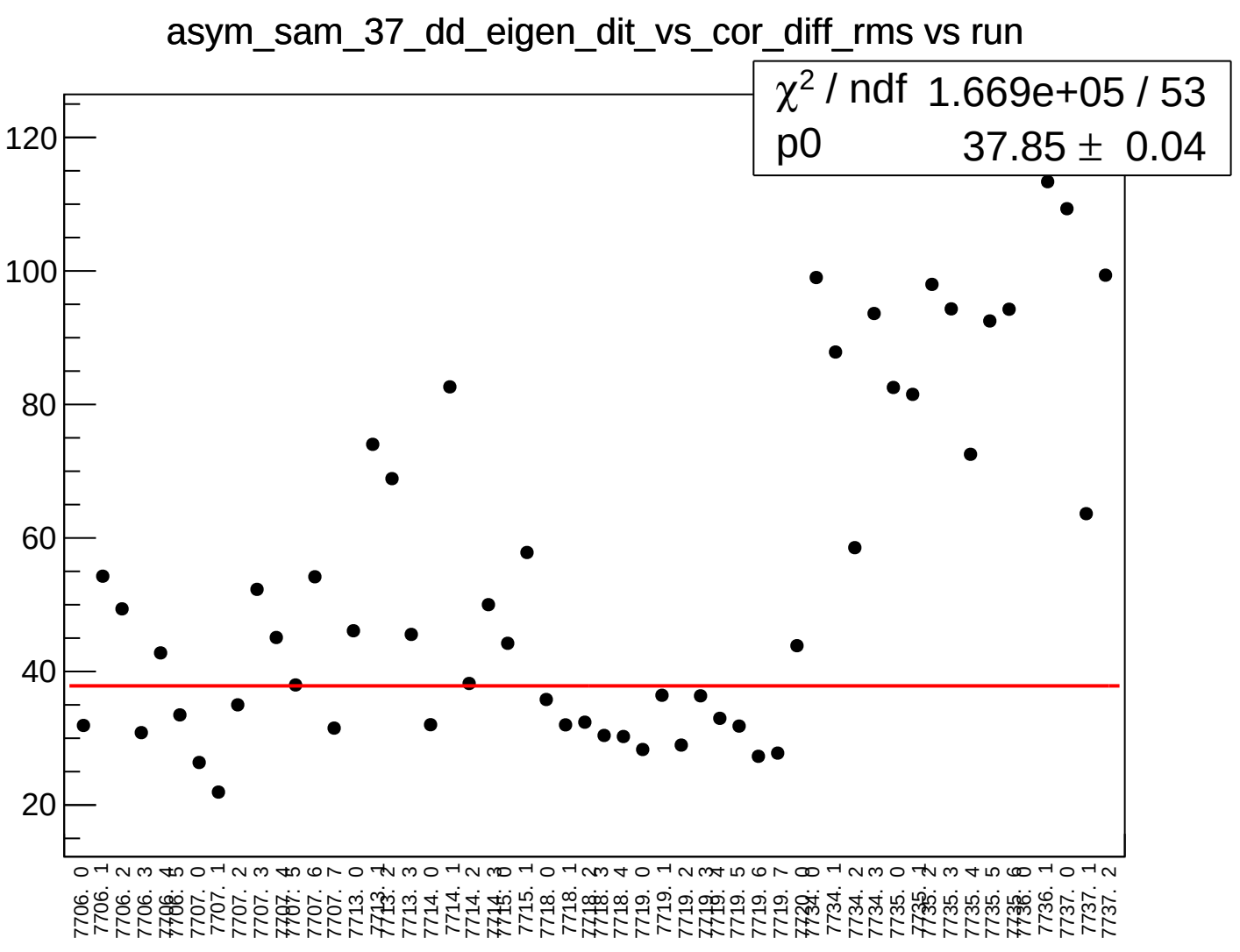

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.54 / 53
p0 5.99e−08 ± 4.743e−07
0.04
0.02
0
−0.02
−0.04
pull
Entries 54
Mean 96.13
Std Dev 0
3
2
1
0
−1
−2

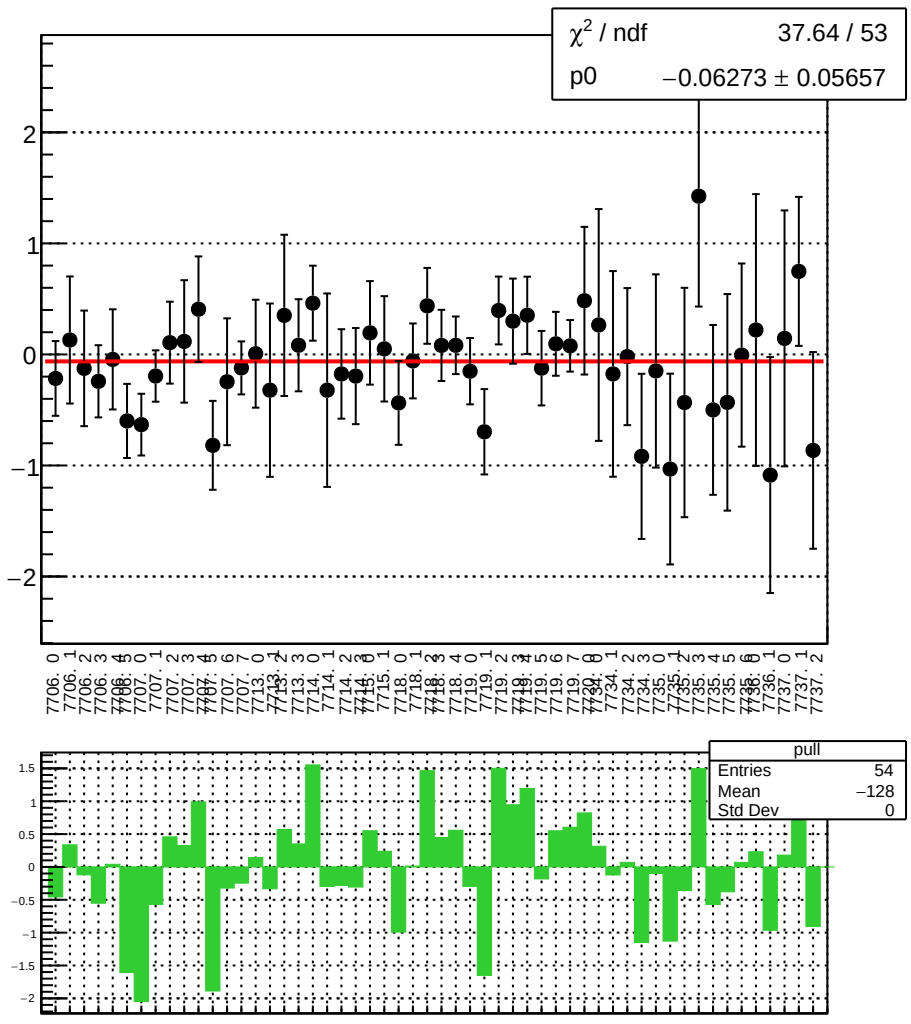

pull1D
Entries 54
Mean −0.03025
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

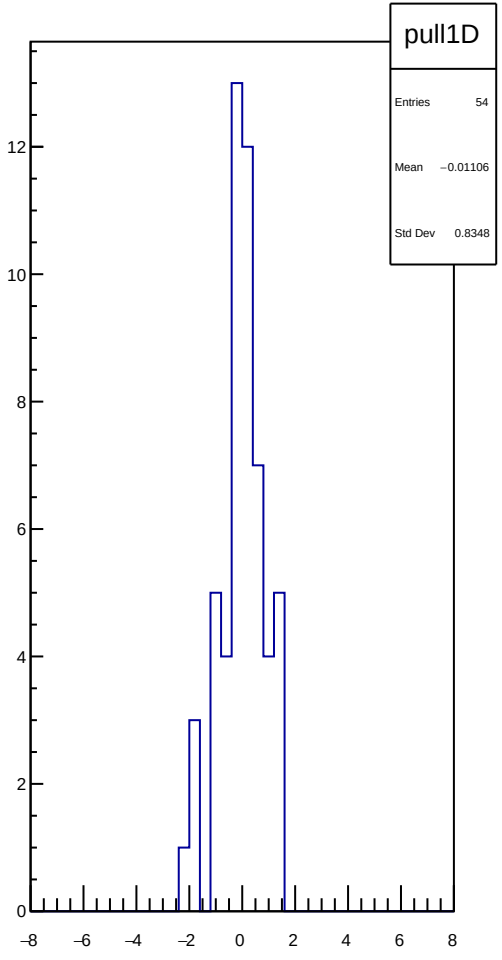

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.801e+05 / 53
p0 0.0002769 ± 3.354e−07
0.0025
0.002
0.0015
0.001
0.0005

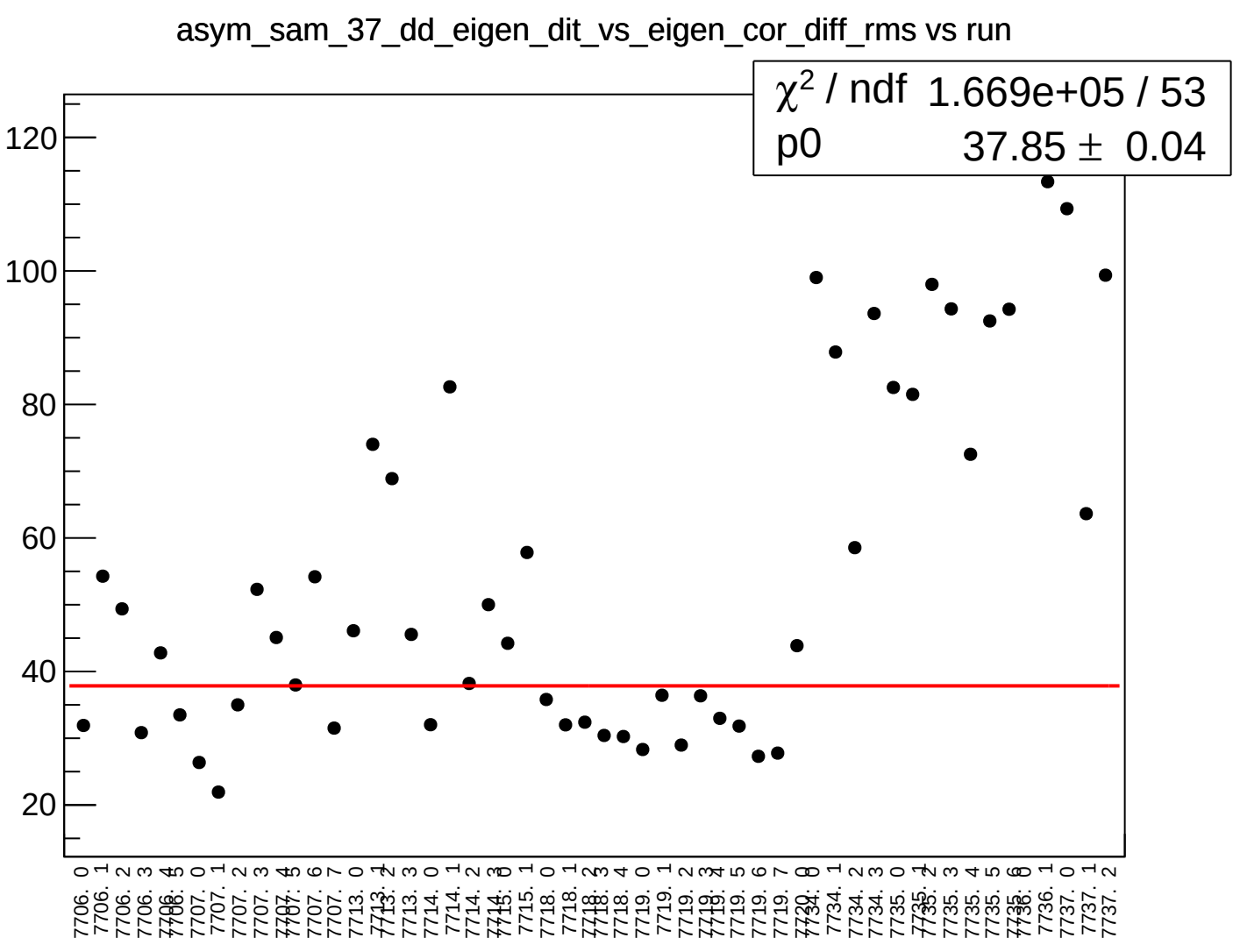

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.64 / 53
p0 −0.06273 ± 0.05657
pull
Entries 54
Mean −128
Std Dev 0

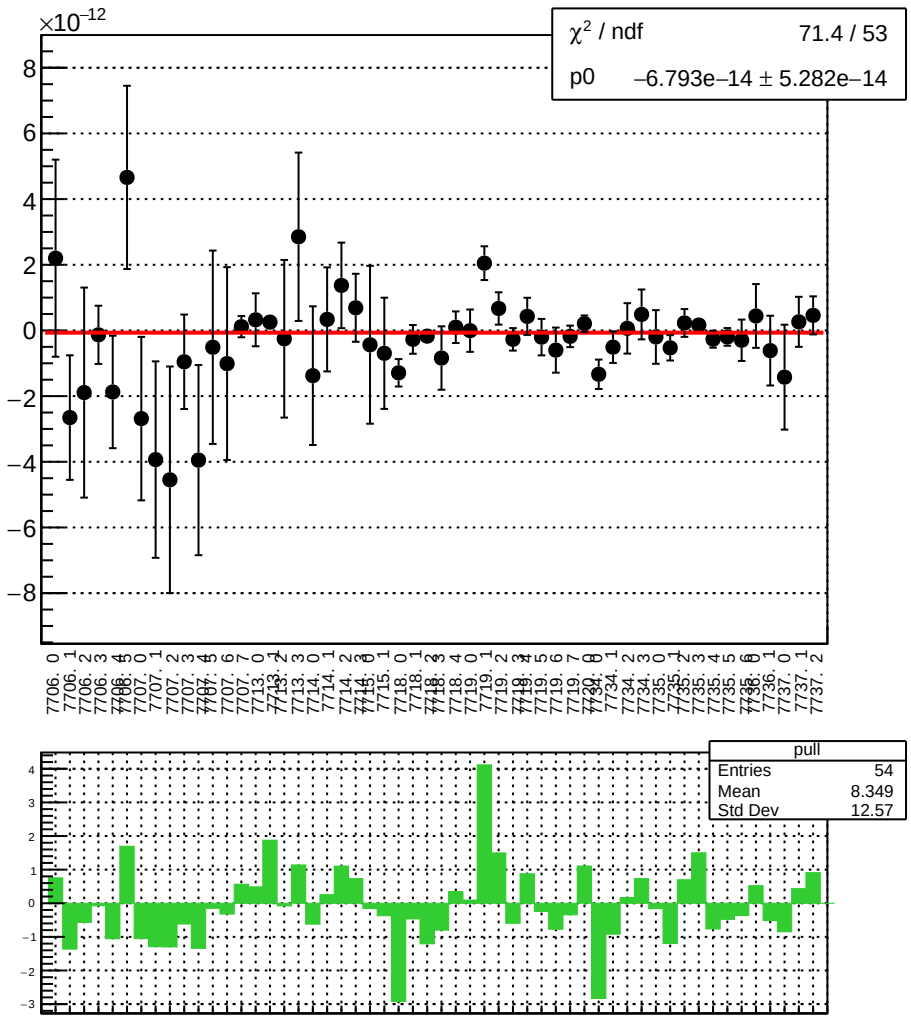

pull1D
Entries 54
Mean −0.01106
Std Dev 0.8348

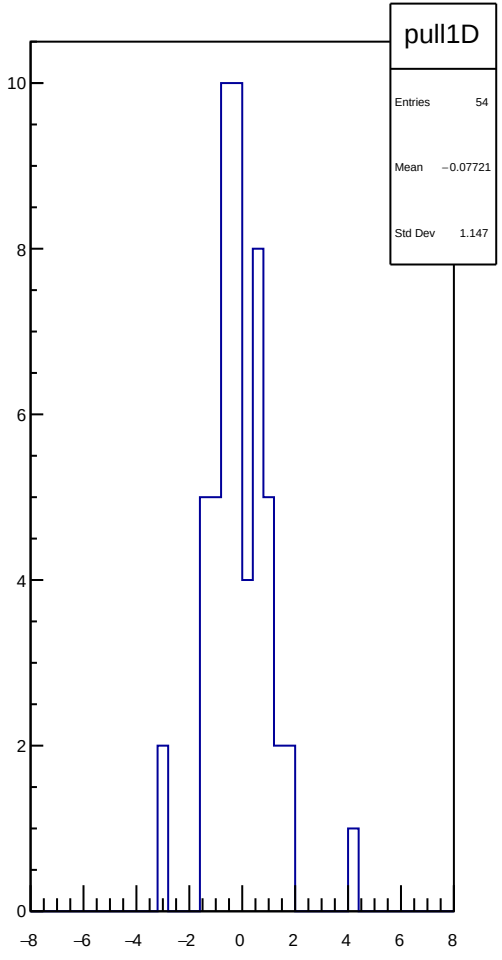

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 53
p0 37.85 ± 0.04
120
100
80
60
40
20

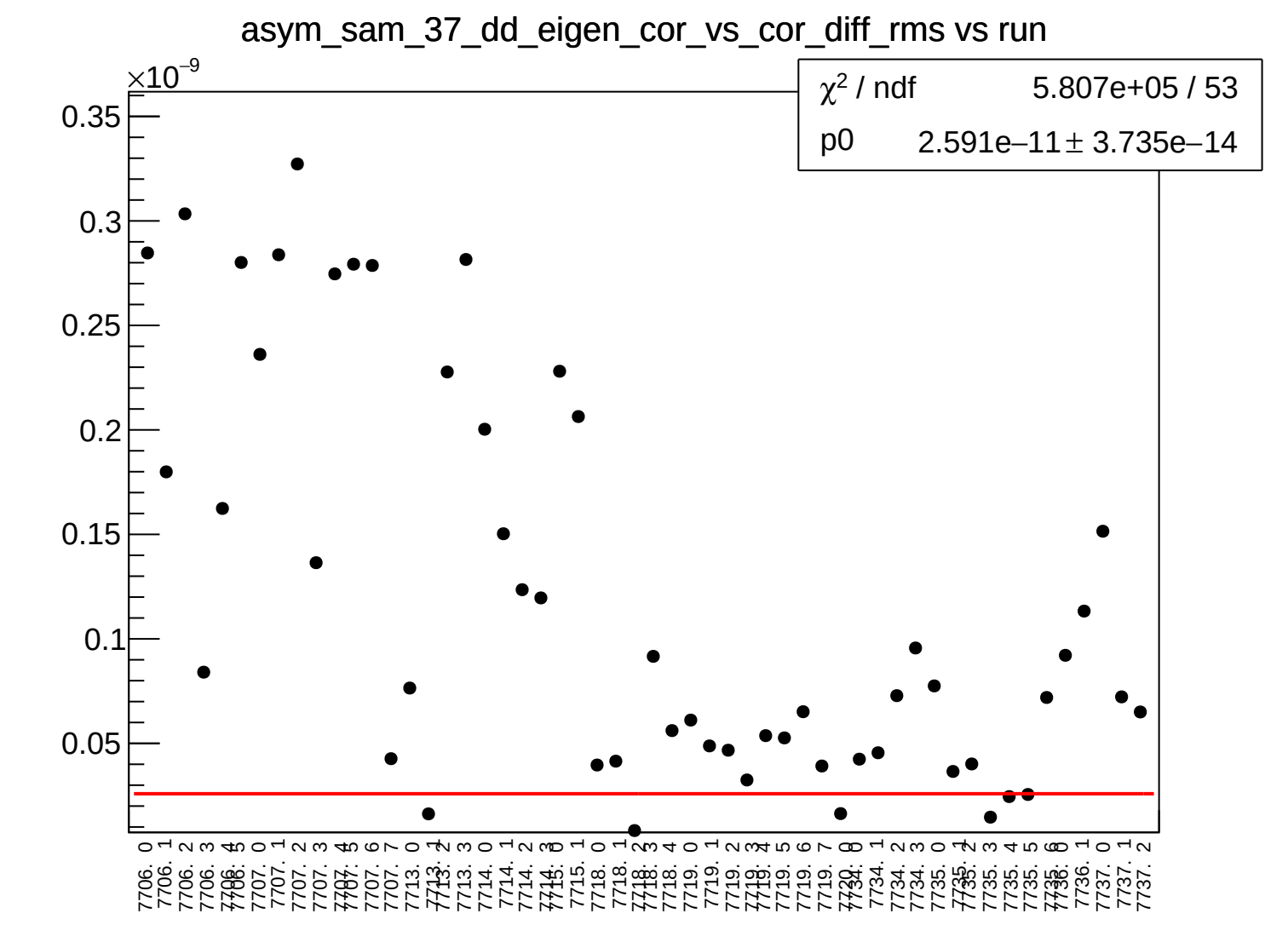

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.64 / 53
p0 −0.06273 ± 0.05657
pull
Entries 54
Mean −128
Std Dev 0

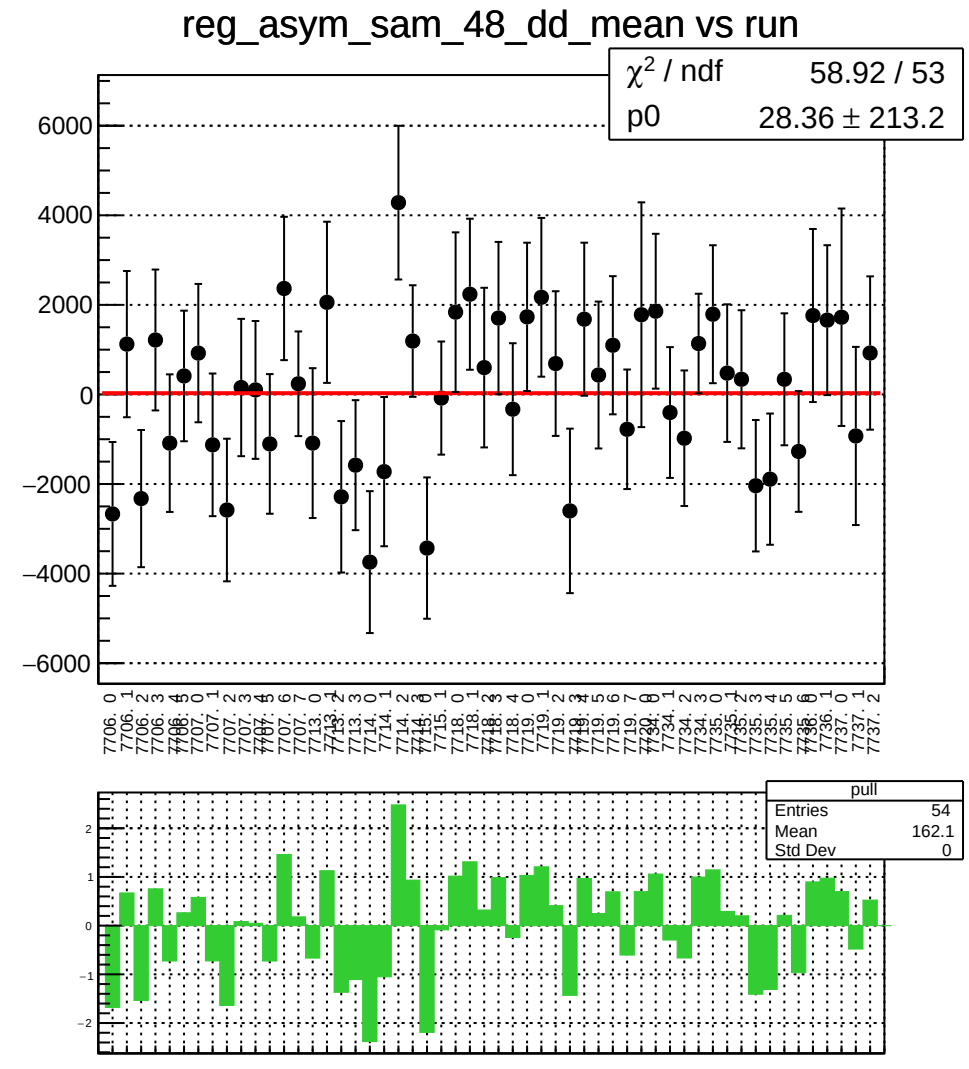

pull1D
Entries 54
Mean −0.01106
Std Dev 0.8348

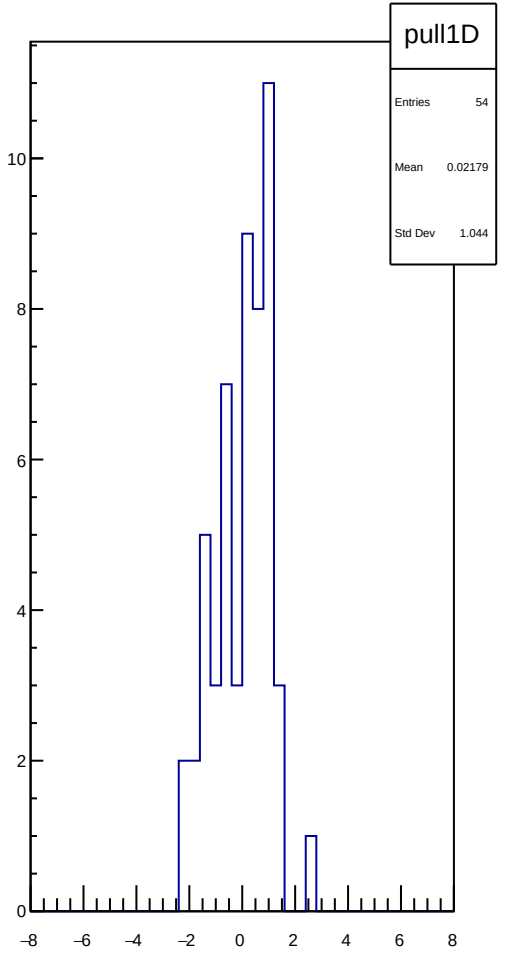

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 53
p0 37.85 ± 0.04
120
100
80
60
40
20

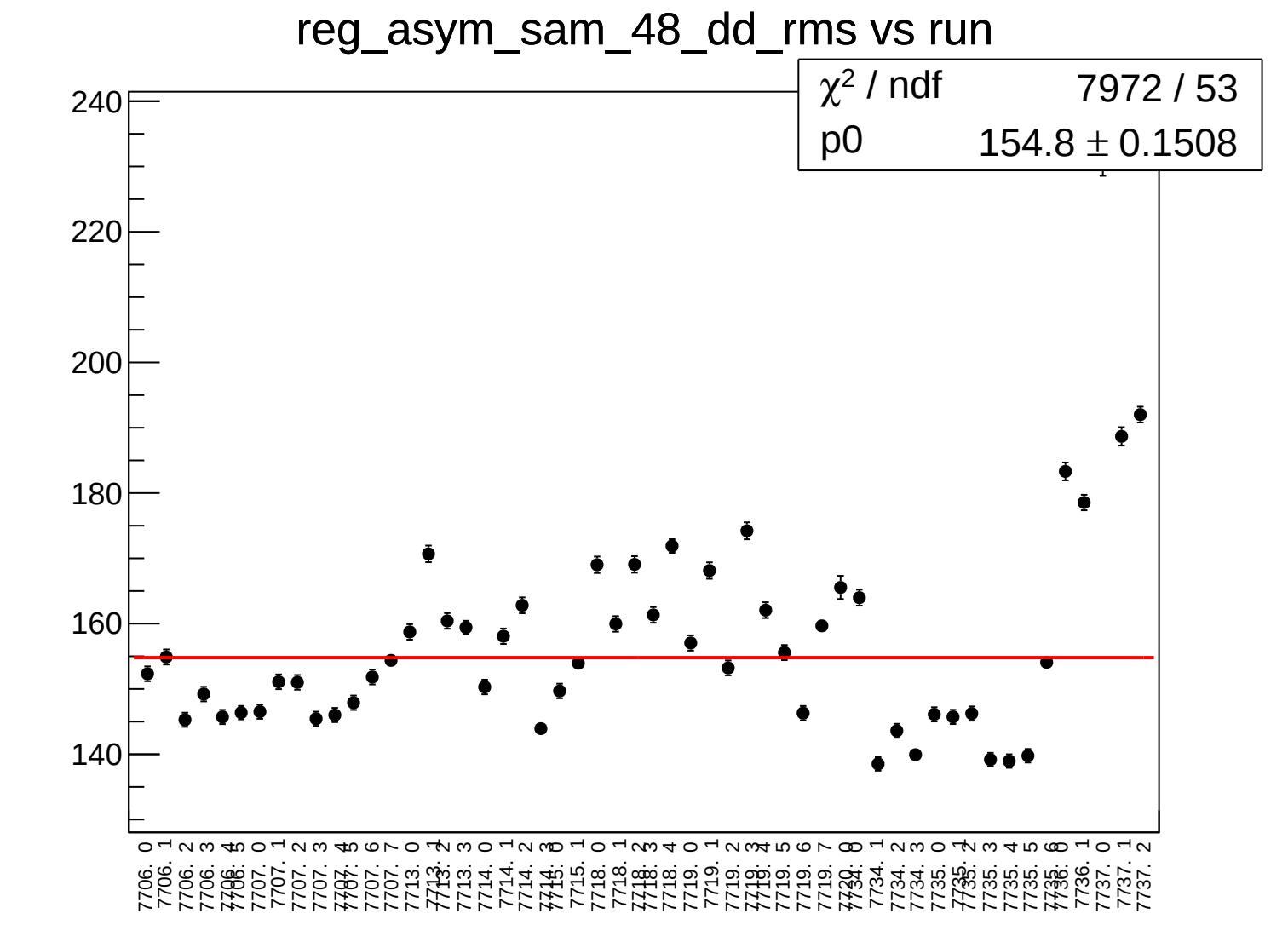

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.4 / 53
p0 −6.793e−14 ± 5.282e−14
pull
Entries 54
Mean 8.349
Std Dev 12.57

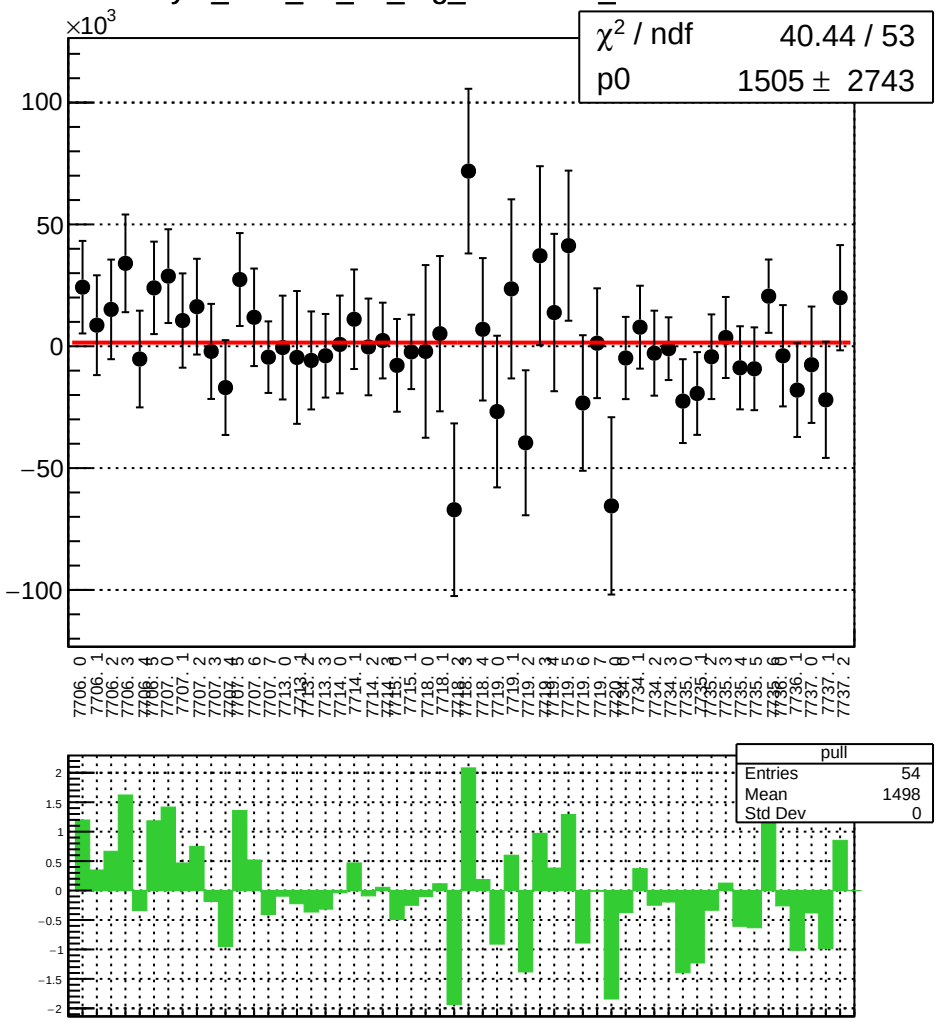

pull1D
Entries 54
Mean −0.07721
Std Dev 1.147

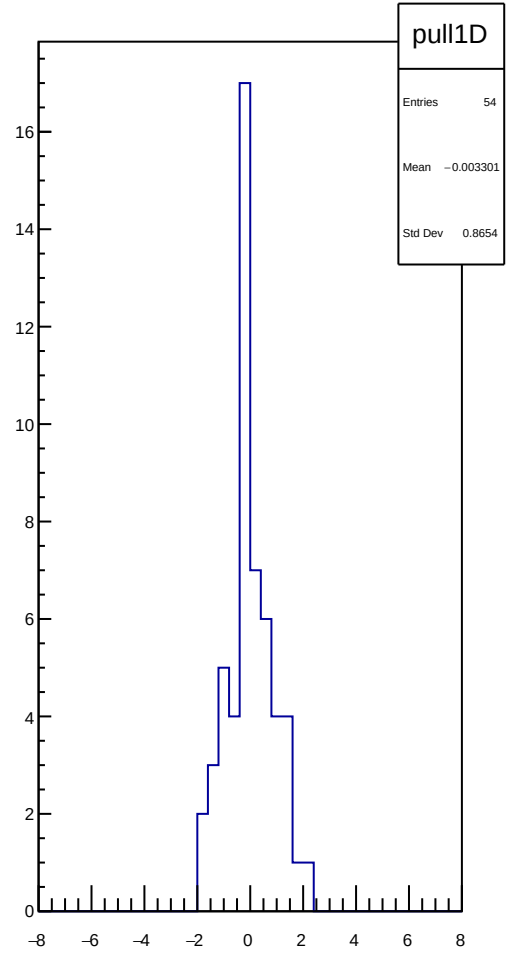

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.807e+05 / 53
p0 2.591e−11 ± 3.735e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

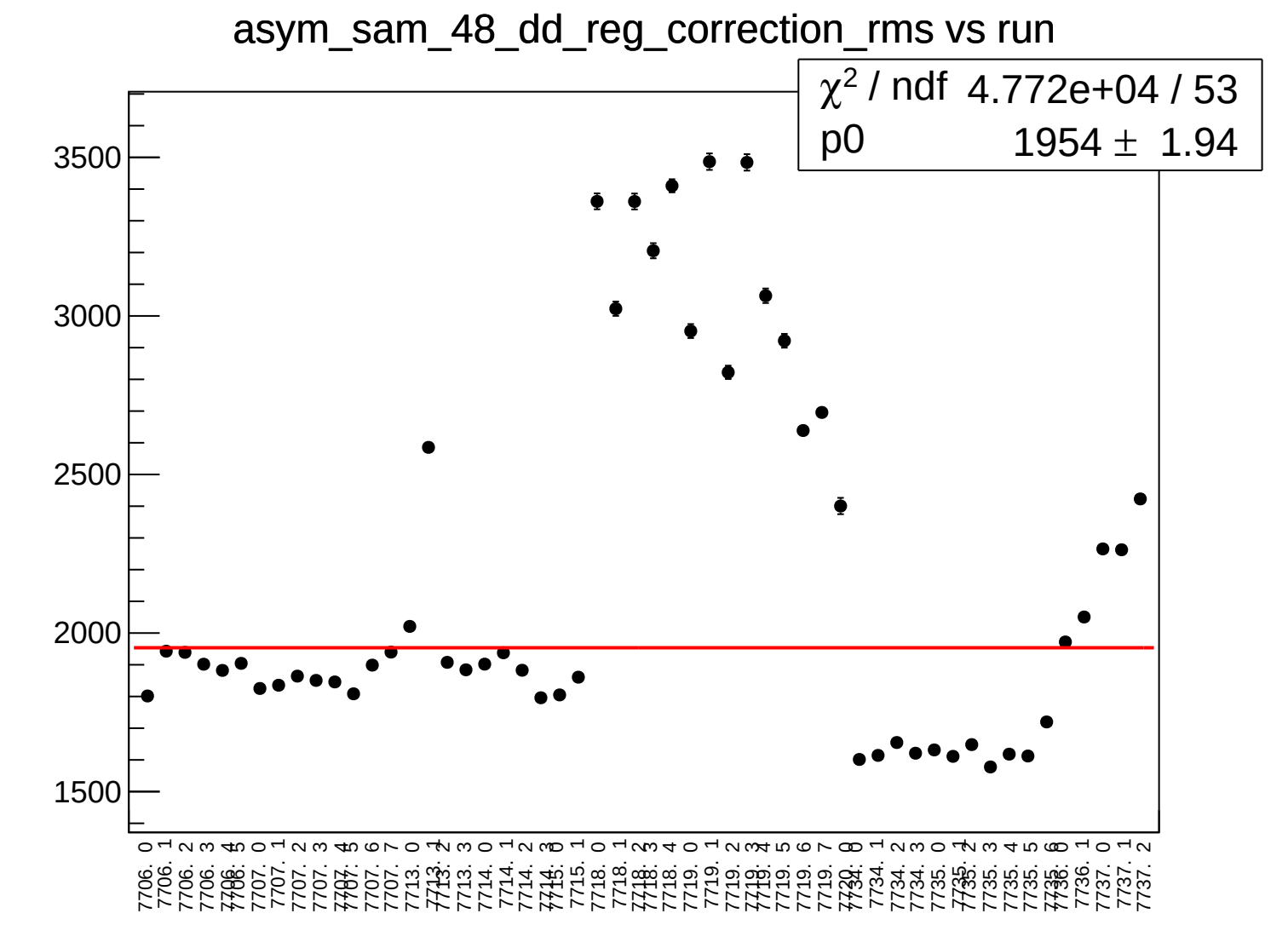

reg_asym_sam_48_dd_mean vs run
χ² / ndf 58.92 / 53
p0 28.36 ± 213.2
pull
Entries 54
Mean 162.1
Std Dev 0

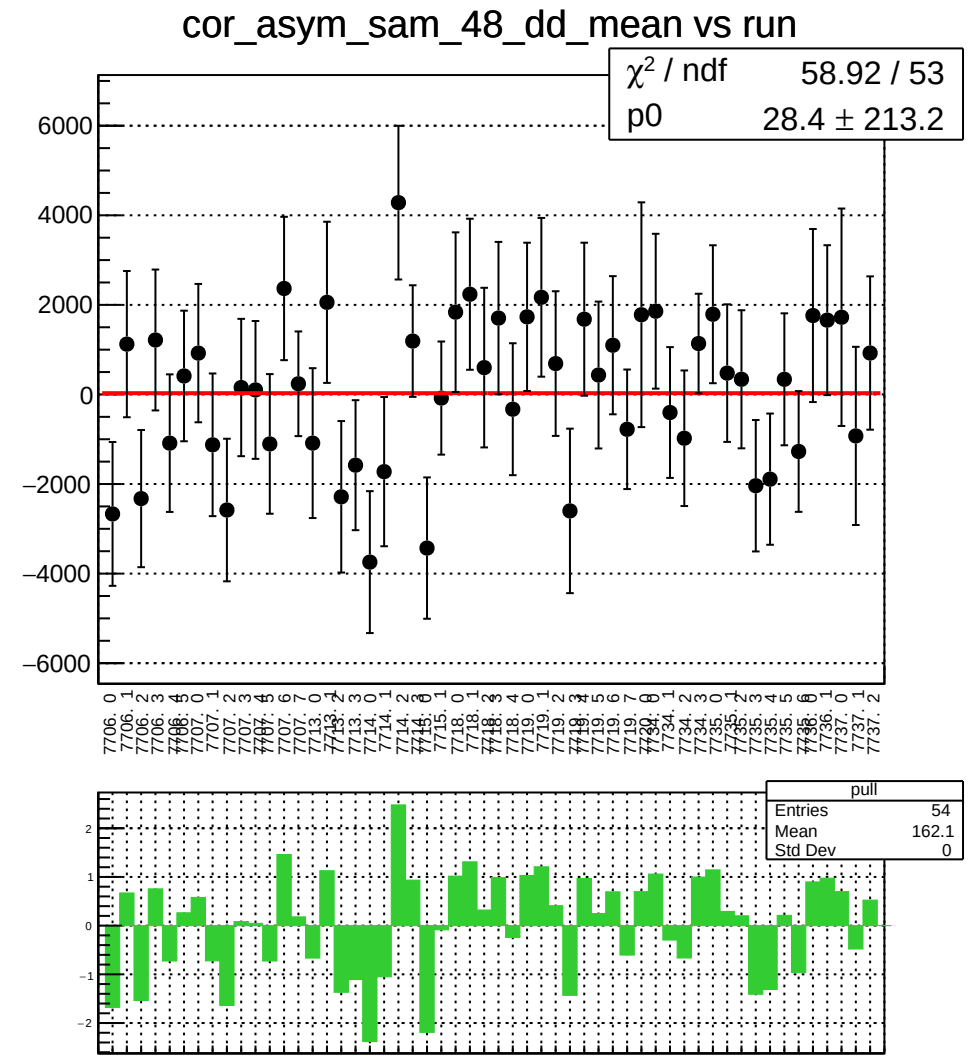

pull1D
Entries 54
Mean 0.02179
Std Dev 1.044

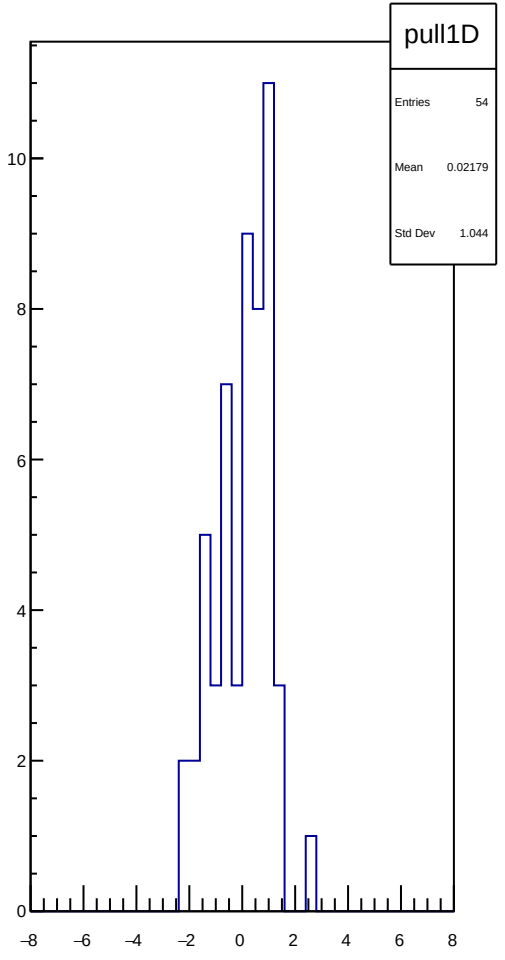

reg_asym_sam_48_dd_rms vs run
χ² / ndf 7972 / 53
p0 154.8 ± 0.1508
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

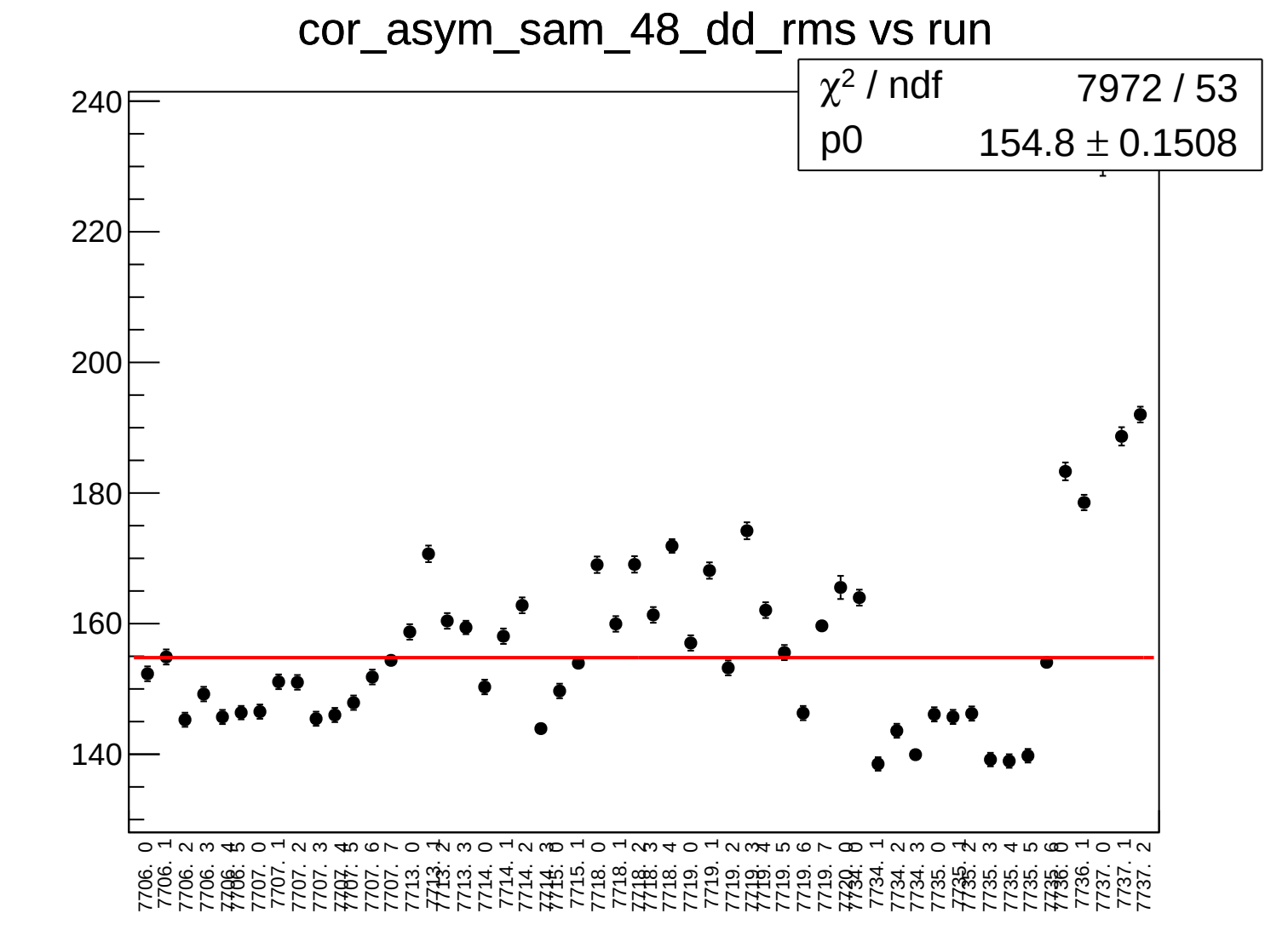

asym_sam_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 40.44 / 53
p0 1505 ± 2743
100
50
0
−50
−100
pull
Entries 54
Mean 1498
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

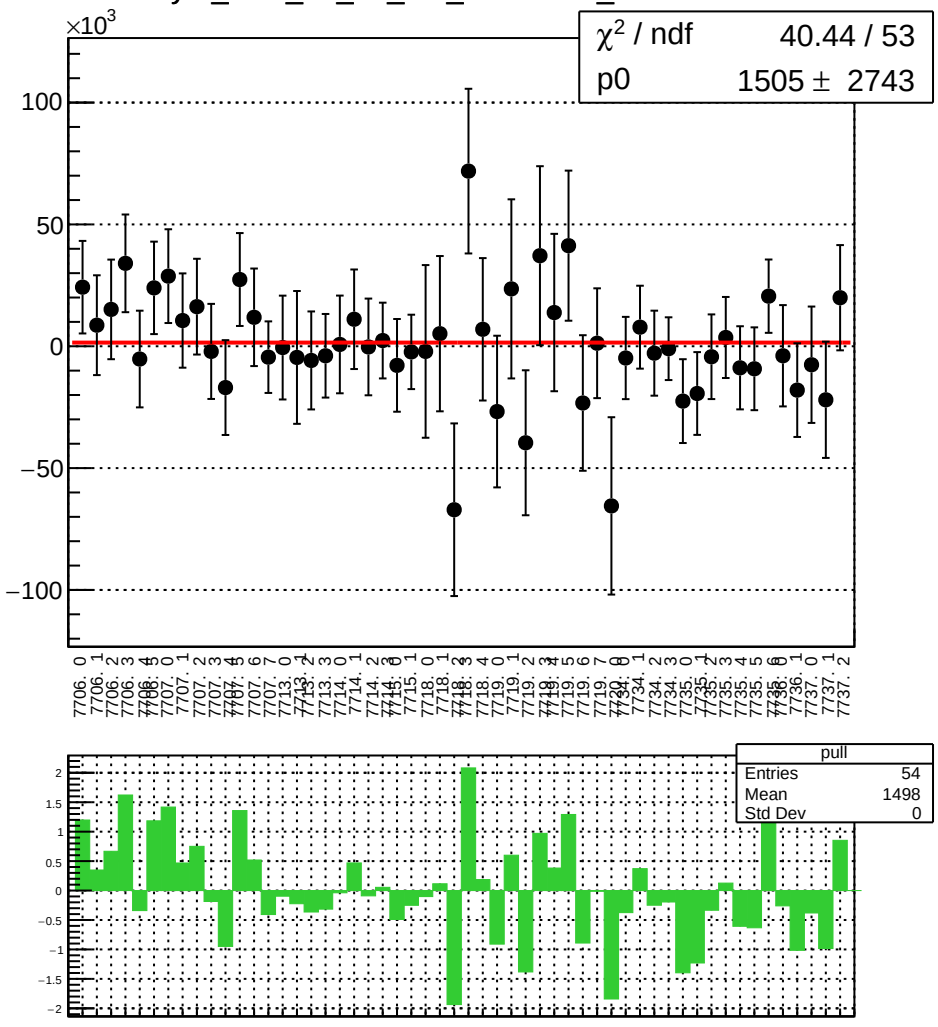

pull1D
Entries 54
Mean −0.003301
Std Dev 0.8654
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

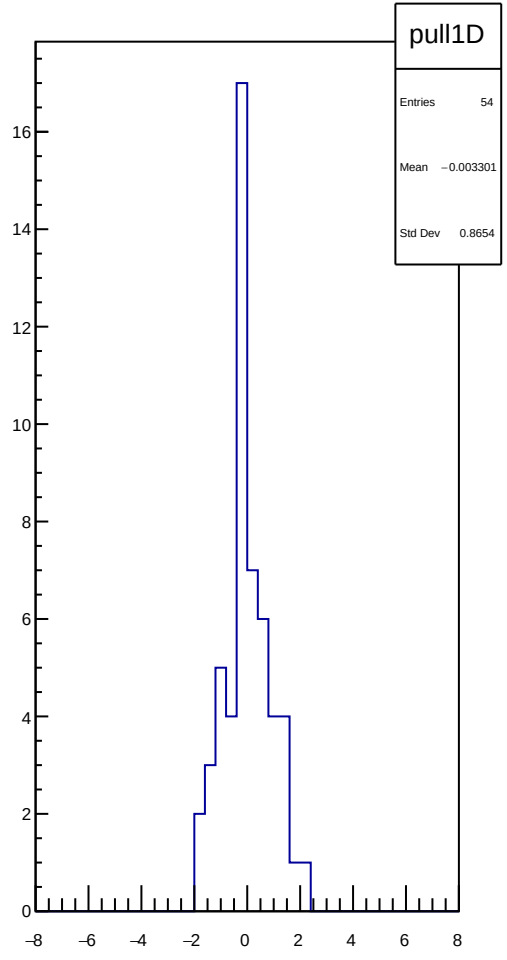

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 4.772e+04 / 53
p0 1954 ± 1.94
3500
3000
2500
2000
1500

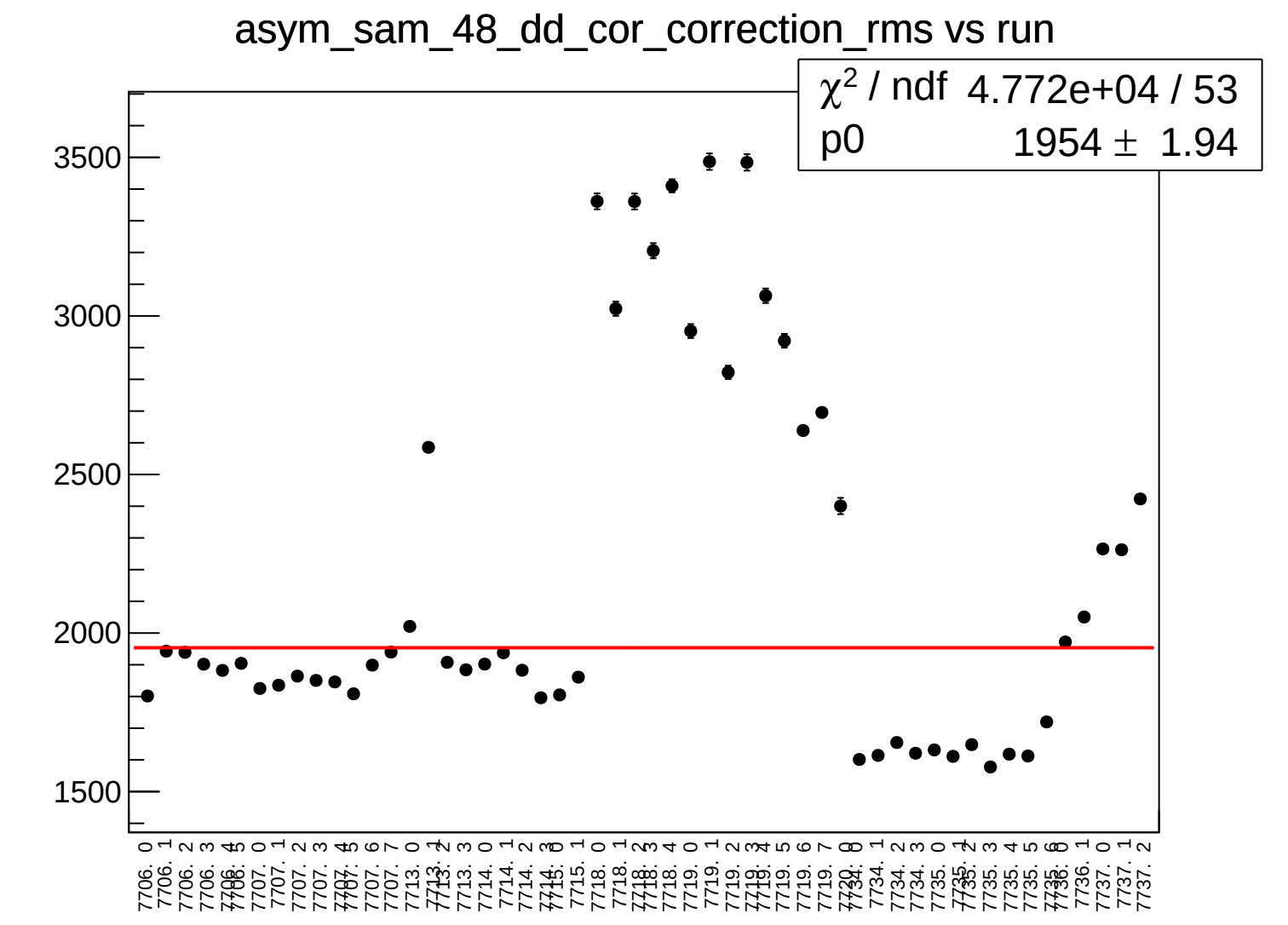

cor_asym_sam_48_dd_mean vs run
χ² / ndf 58.92 / 53
p0 28.4 ± 213.2
pull
Entries 54
Mean 162.1
Std Dev 0

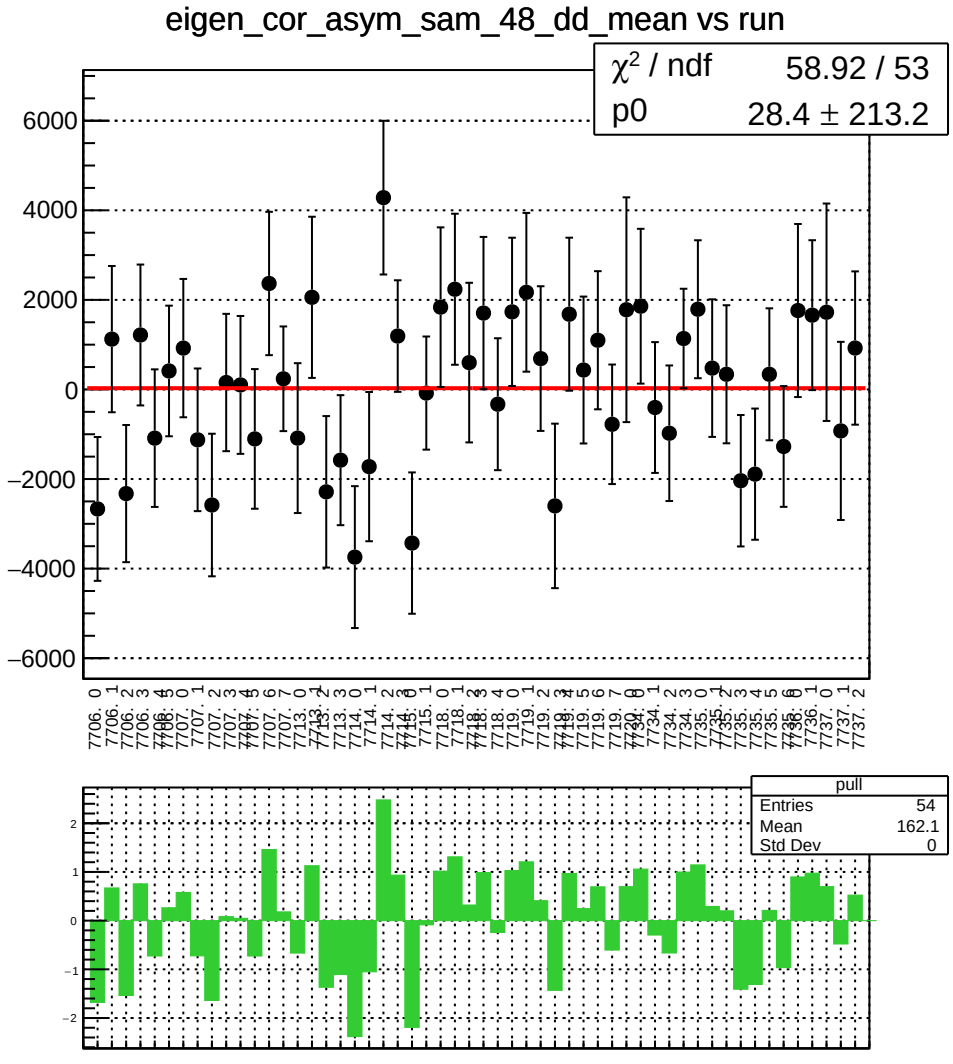

pull1D
Entries 54
Mean 0.02179
Std Dev 1.044

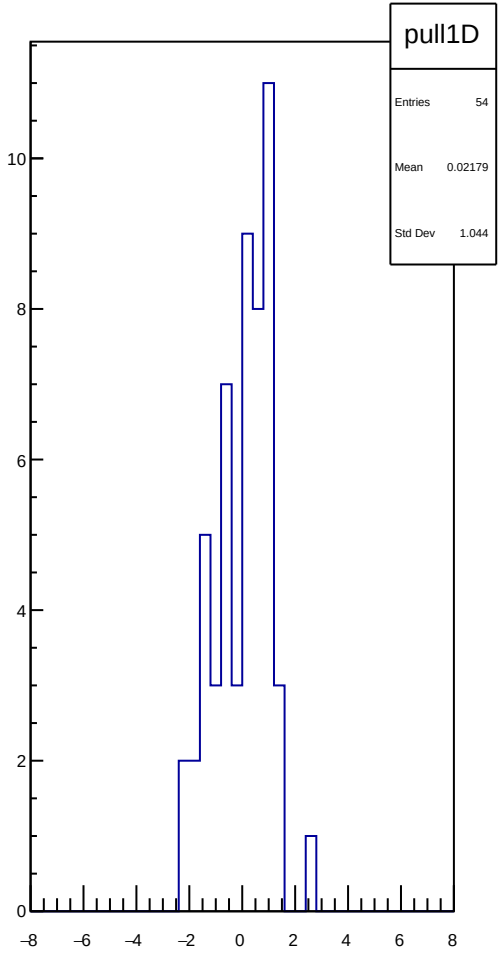

cor_asym_sam_48_dd_rms vs run
χ² / ndf 7972 / 53
p0 154.8 ± 0.1508
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

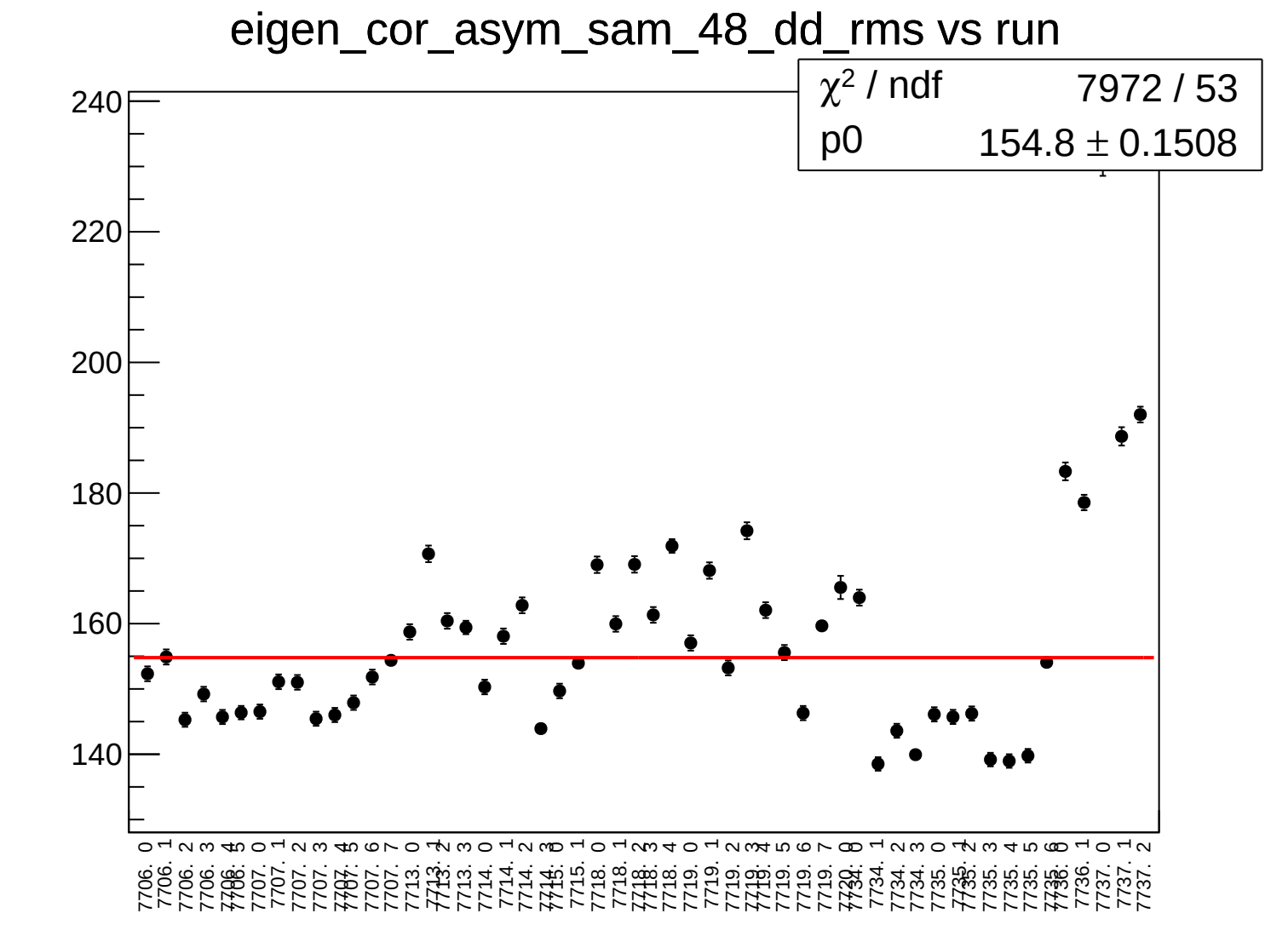

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 40.44 / 53
p0 1505 ± 2743
×10³
pull
Entries 54
Mean 1498
Std Dev 0

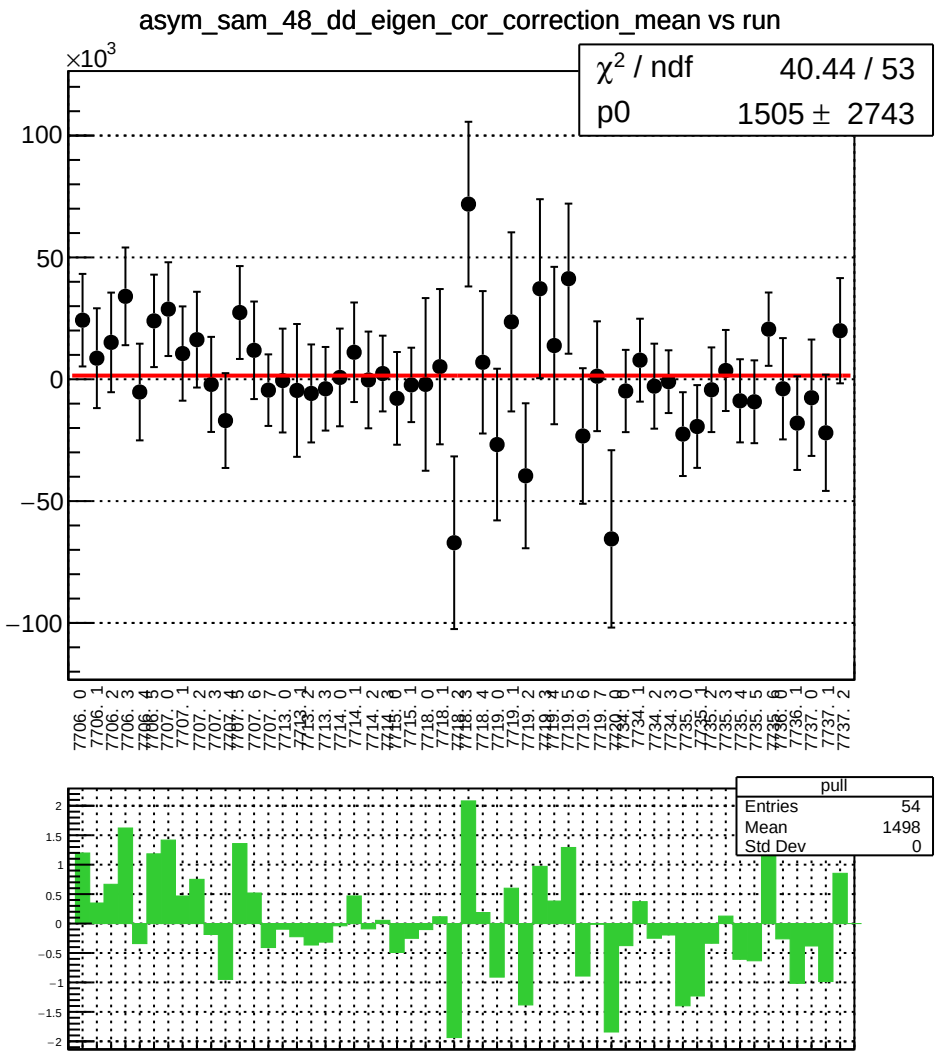

pull1D
Entries 54
Mean −0.003301
Std Dev 0.8654

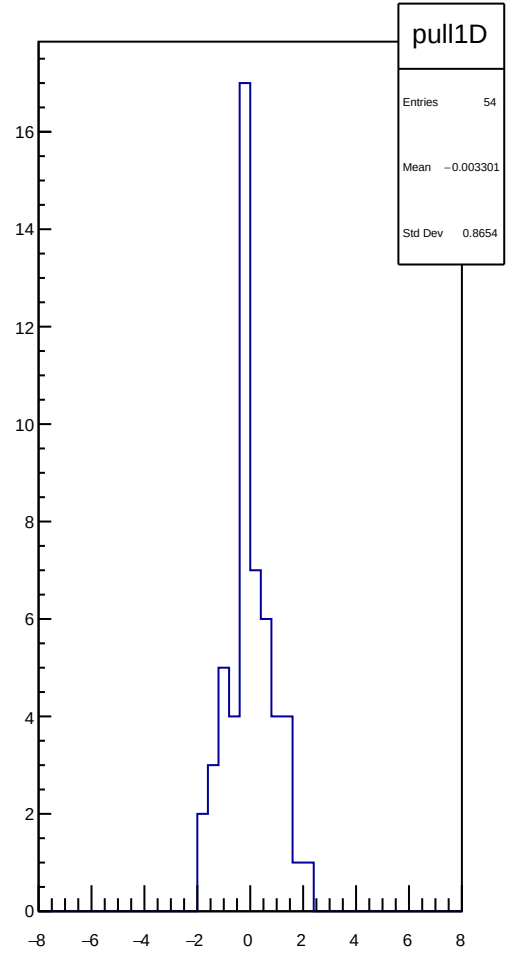

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 4.772e+04 / 53
p0 1954 ± 1.94
3500
3000
2500
2000
1500

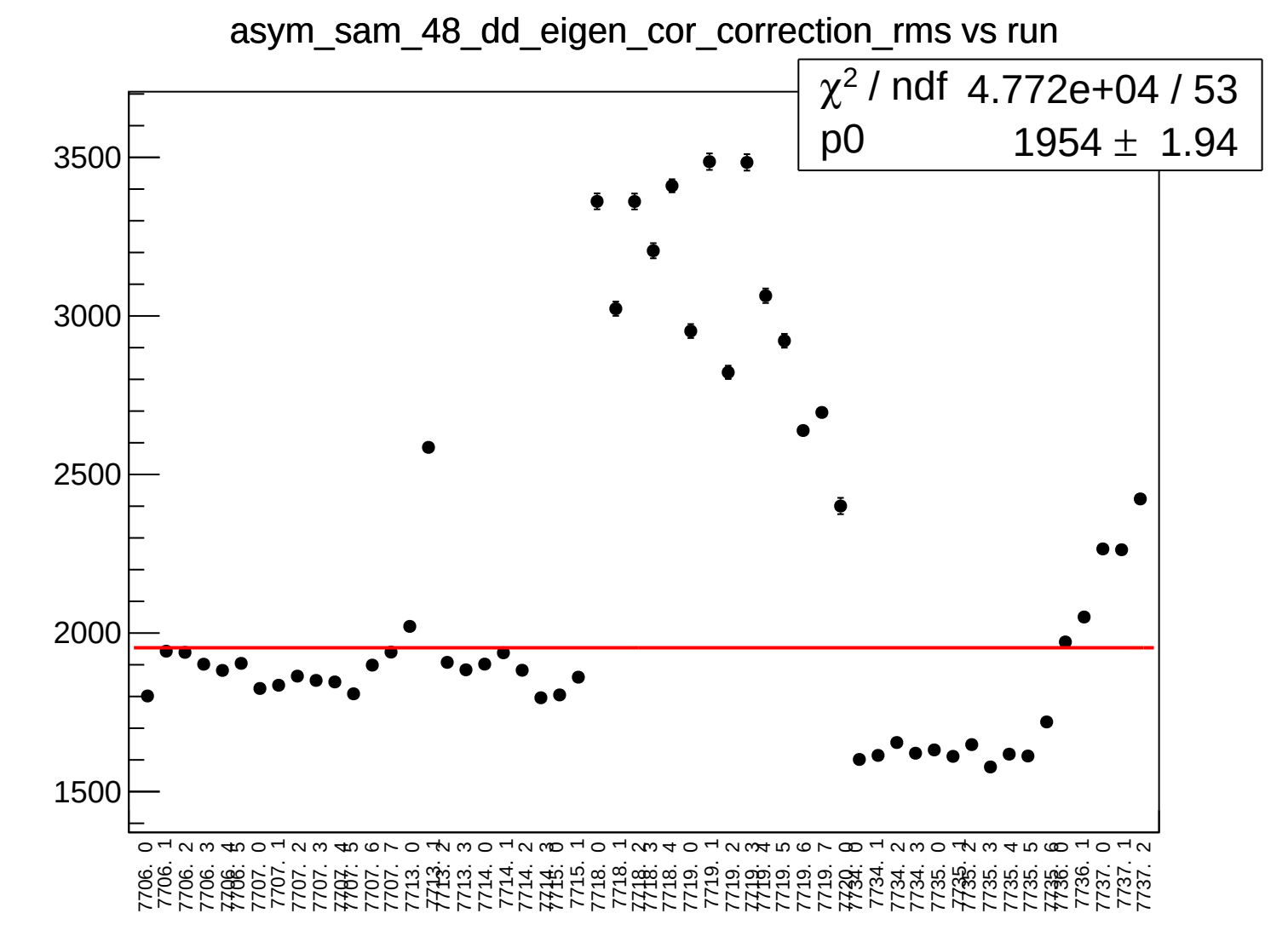

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 58.92 / 53
p0 28.4 ± 213.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 162.1
Std Dev 0
2
1
0
−1
−2

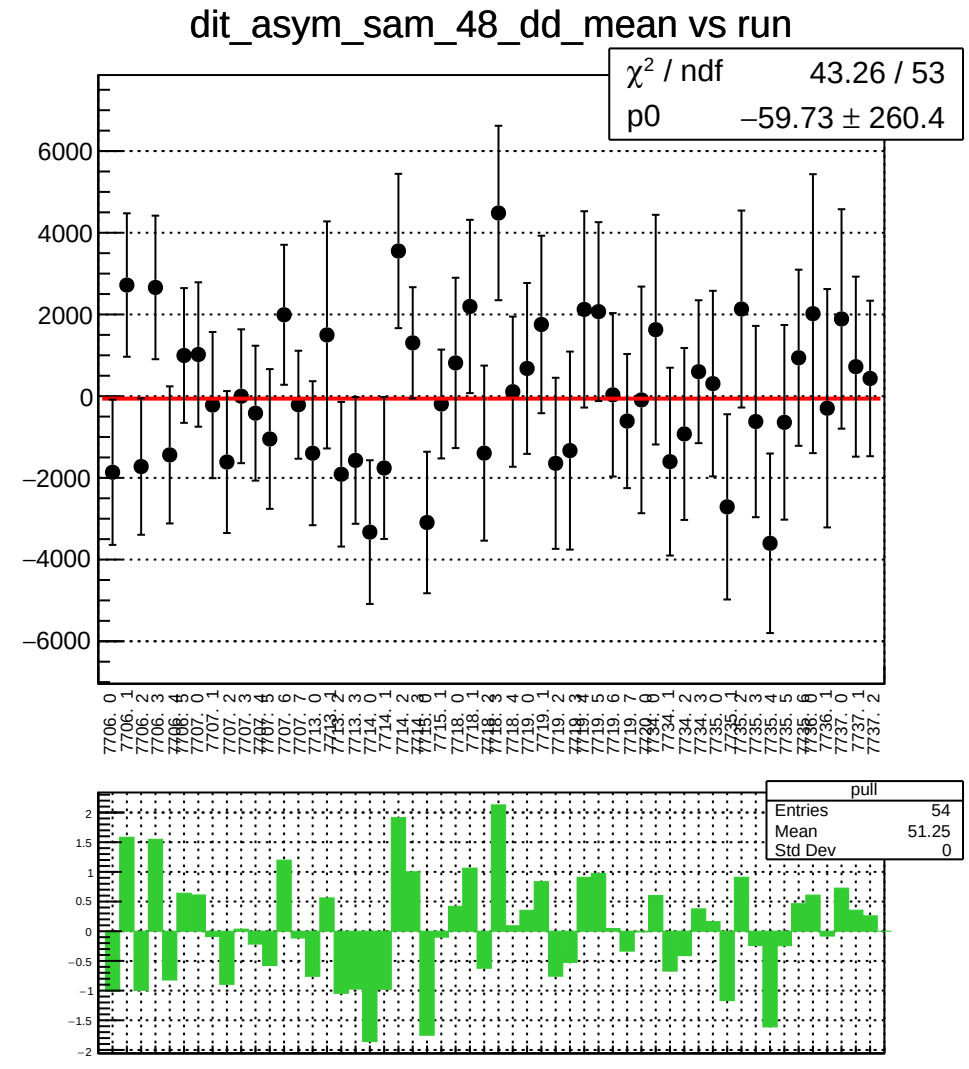

pull1D
Entries 54
Mean 0.02179
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

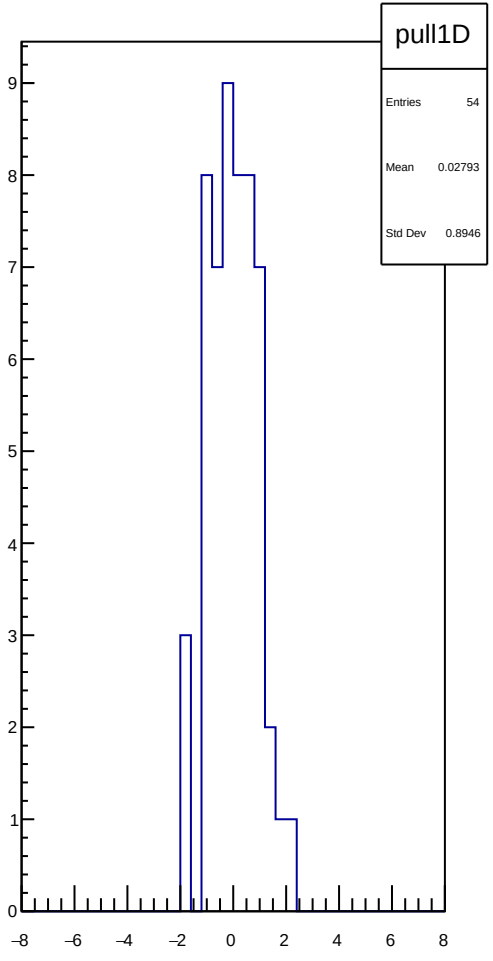

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 7972 / 53
p0 154.8 ± 0.1508
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

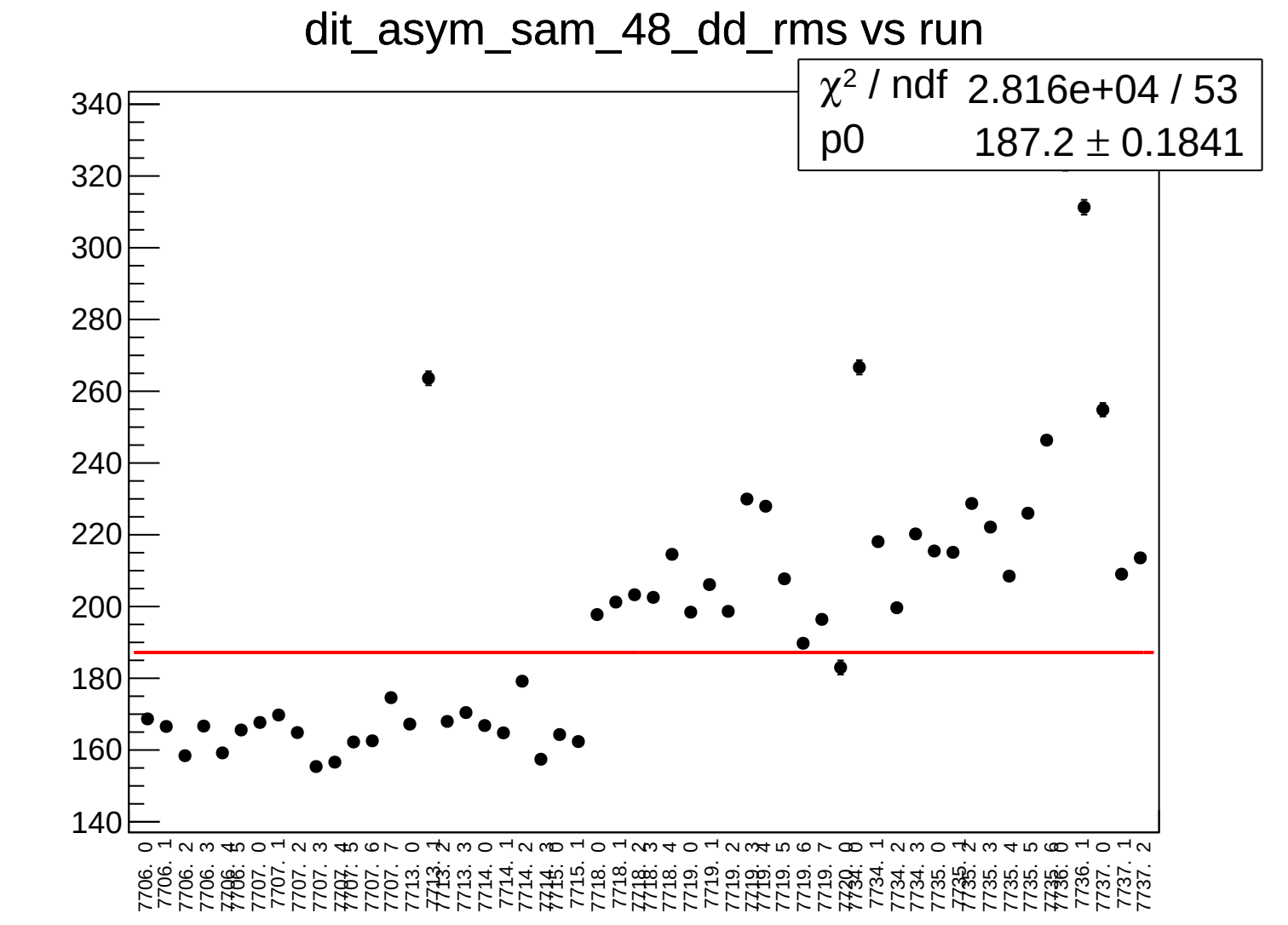

asym_sam_48_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 40.44 / 53
p0 1505 ± 2743
100
50
0
−50
−100
pull
Entries 54
Mean 1498
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

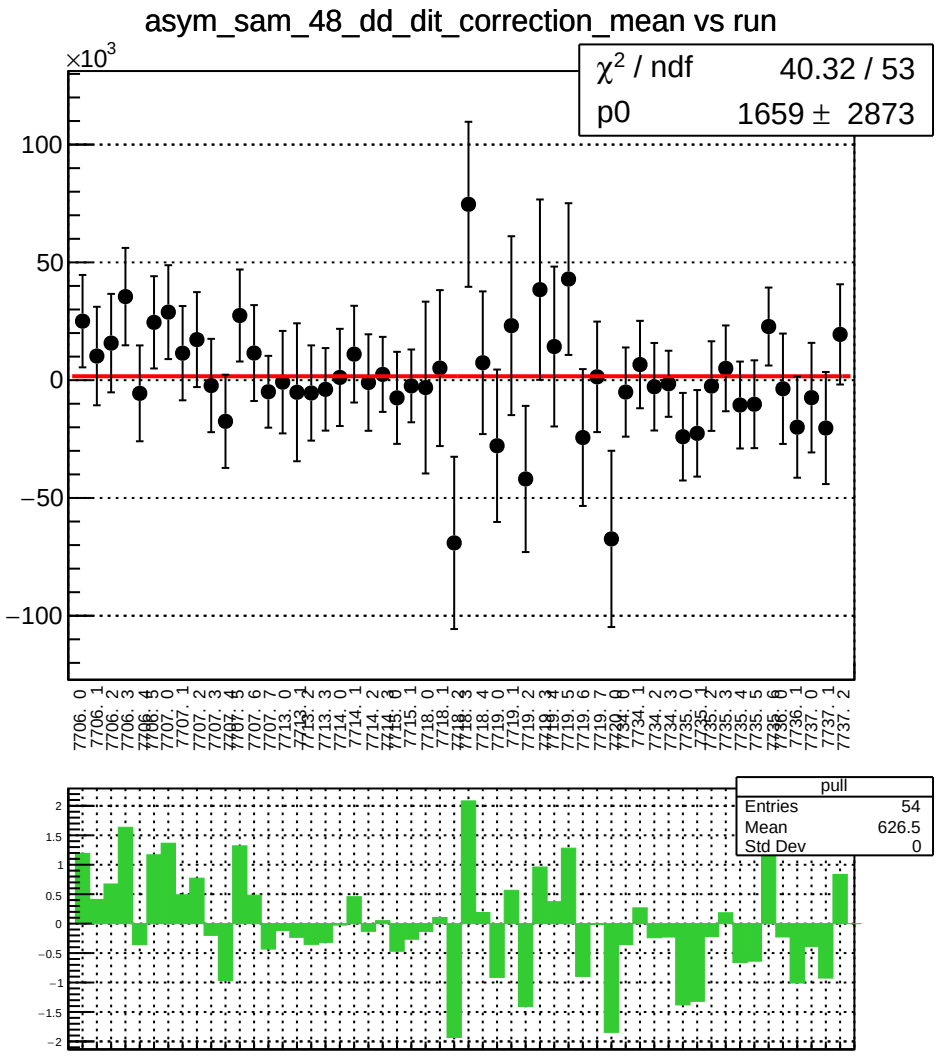

pull1D
Entries 54
Mean −0.003301
Std Dev 0.8654
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

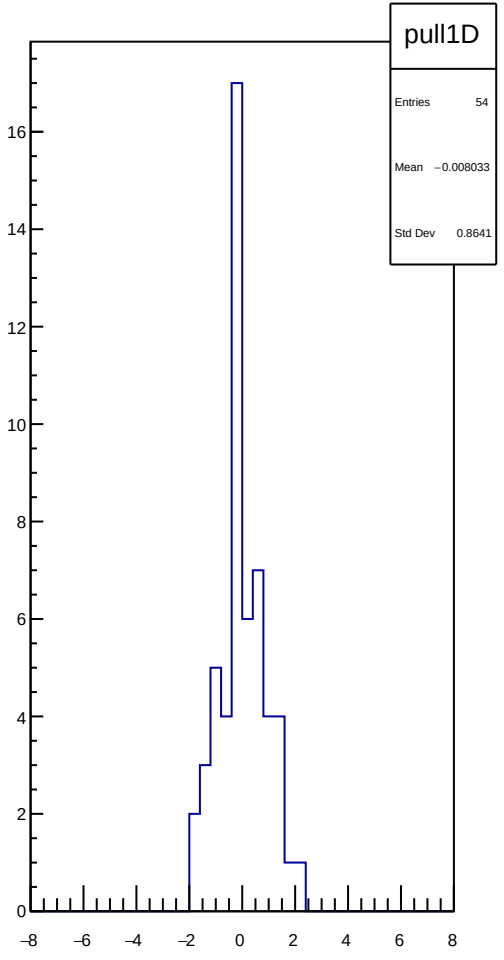

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.772e+04 / 53
p0 1954 ± 1.94
3500
3000
2500
2000
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

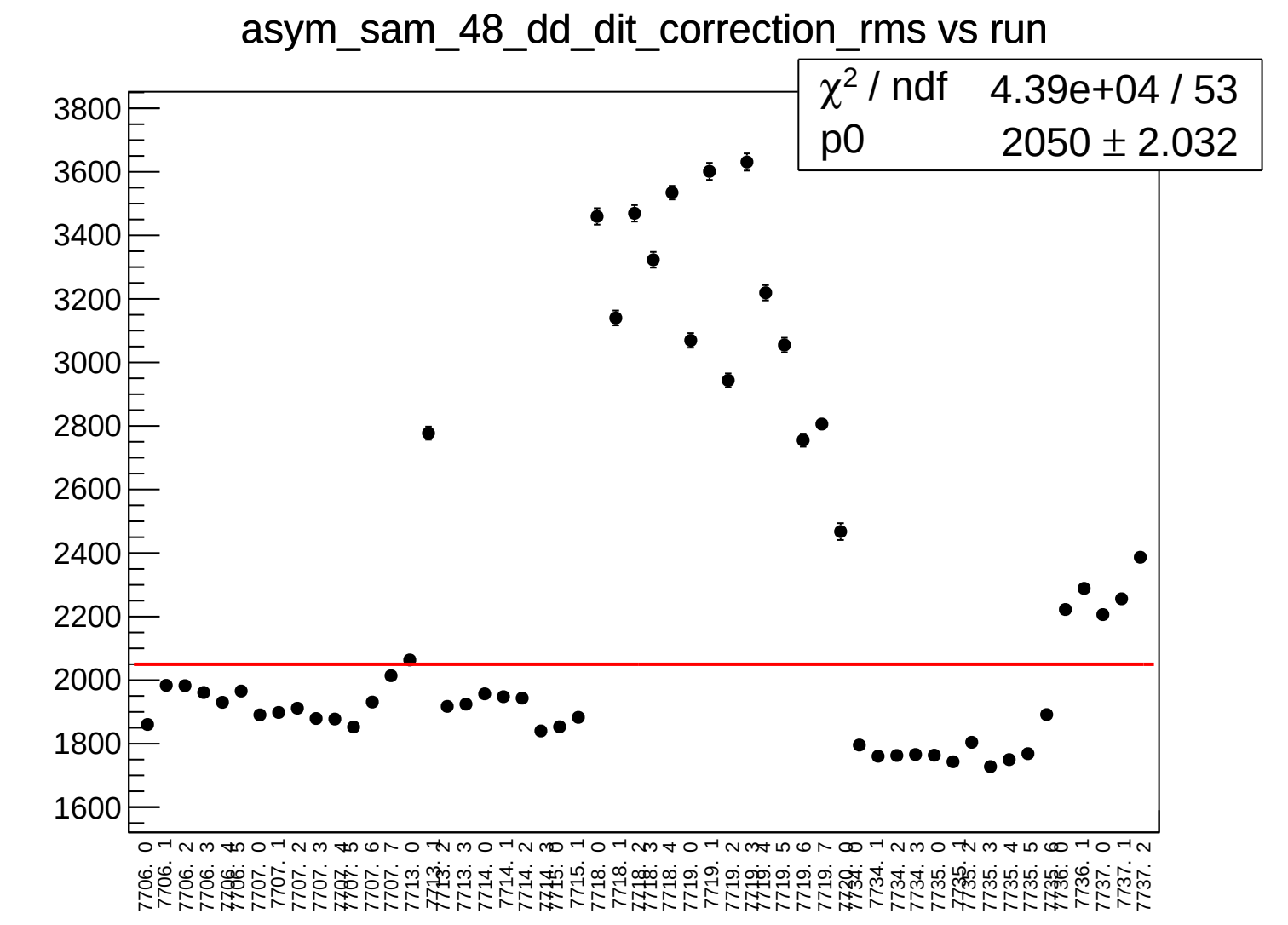

dit_asym_sam_48_dd_mean vs run
χ² / ndf 43.26 / 53
p0 −59.73 ± 260.4
pull
Entries 54
Mean 51.25
Std Dev 0

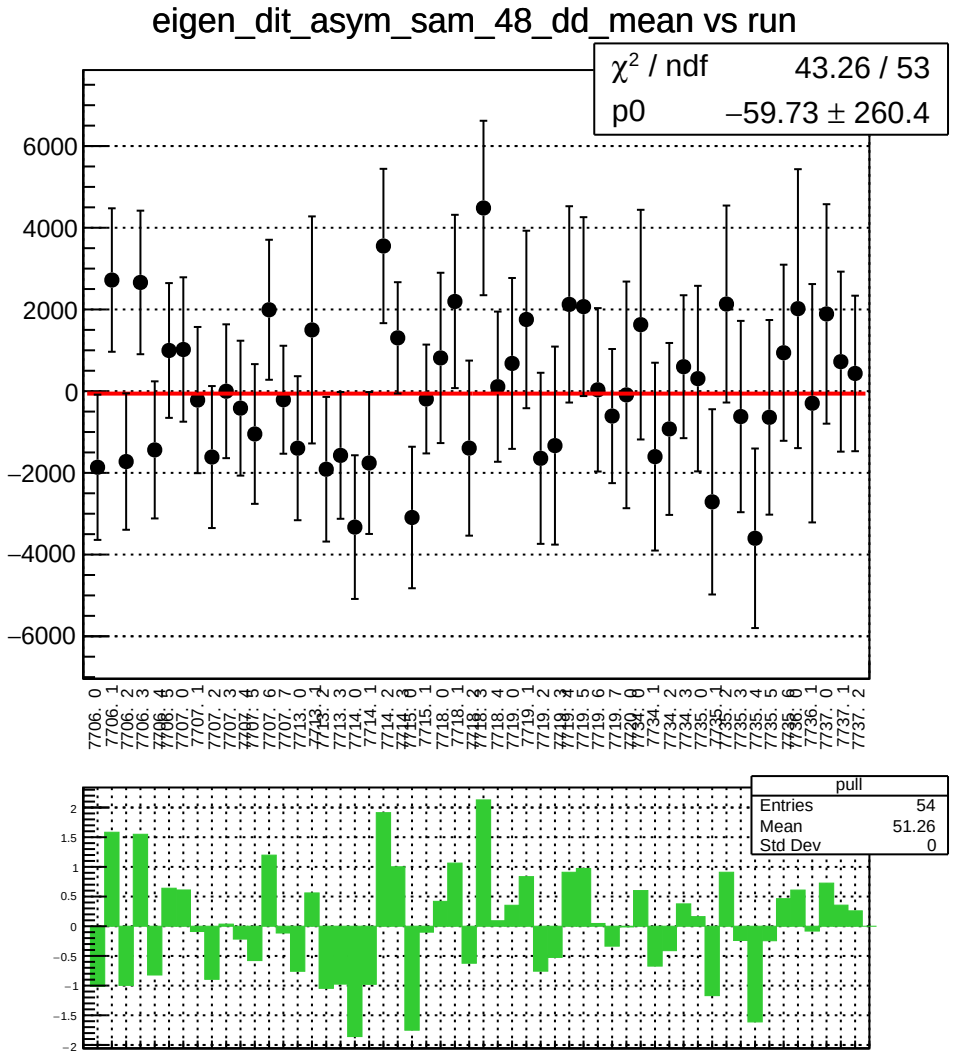

pull1D
Entries 54
Mean 0.02793
Std Dev 0.8946

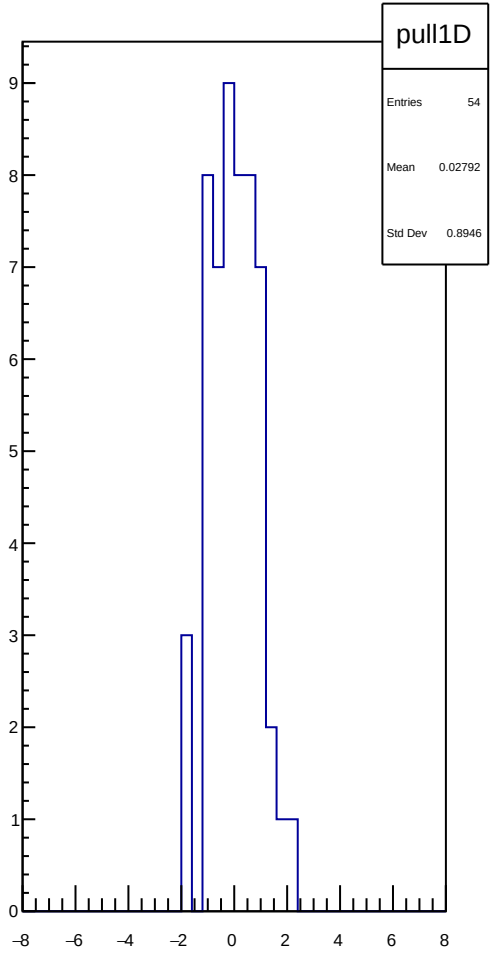

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.816e+04 / 53
p0 187.2 ± 0.1841
340
320
300
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

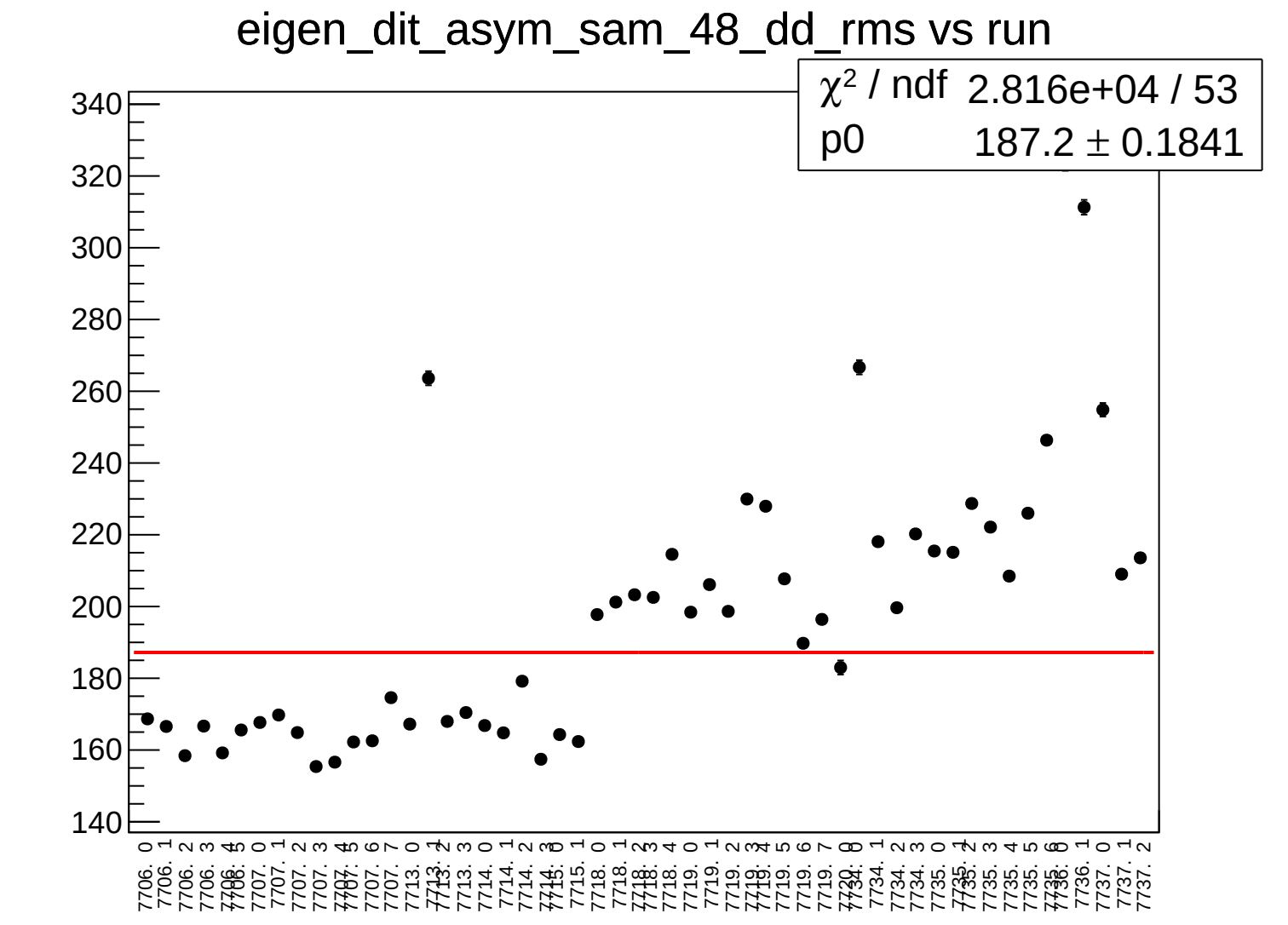

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 40.32 / 53
p0 1659 ± 2873
×10³
pull
Entries 54
Mean 626.5
Std Dev 0

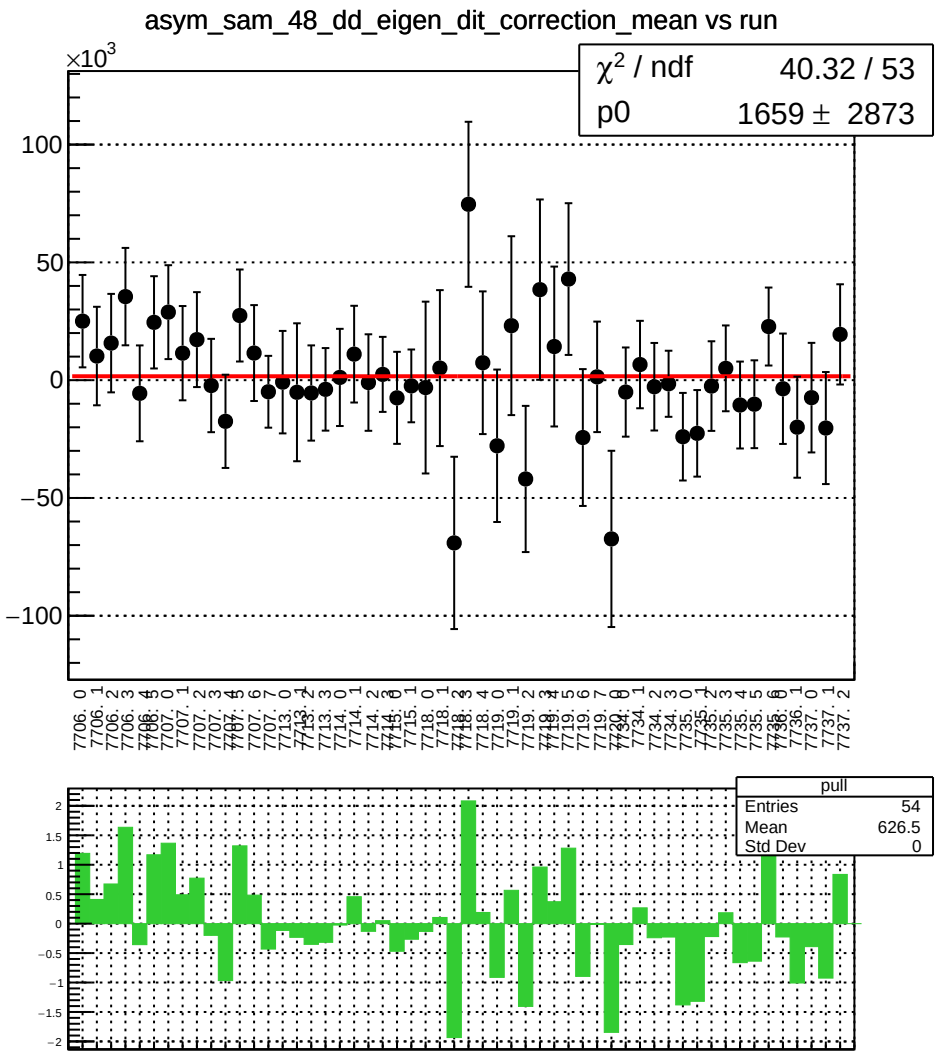

pull1D
Entries 54
Mean −0.008033
Std Dev 0.8641

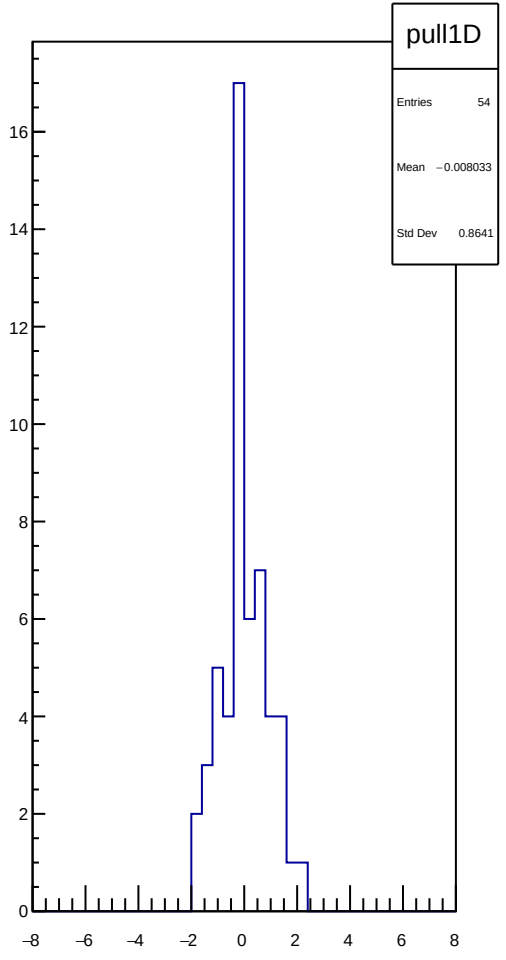

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 4.39e+04 / 53
p0 2050 ± 2.032
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

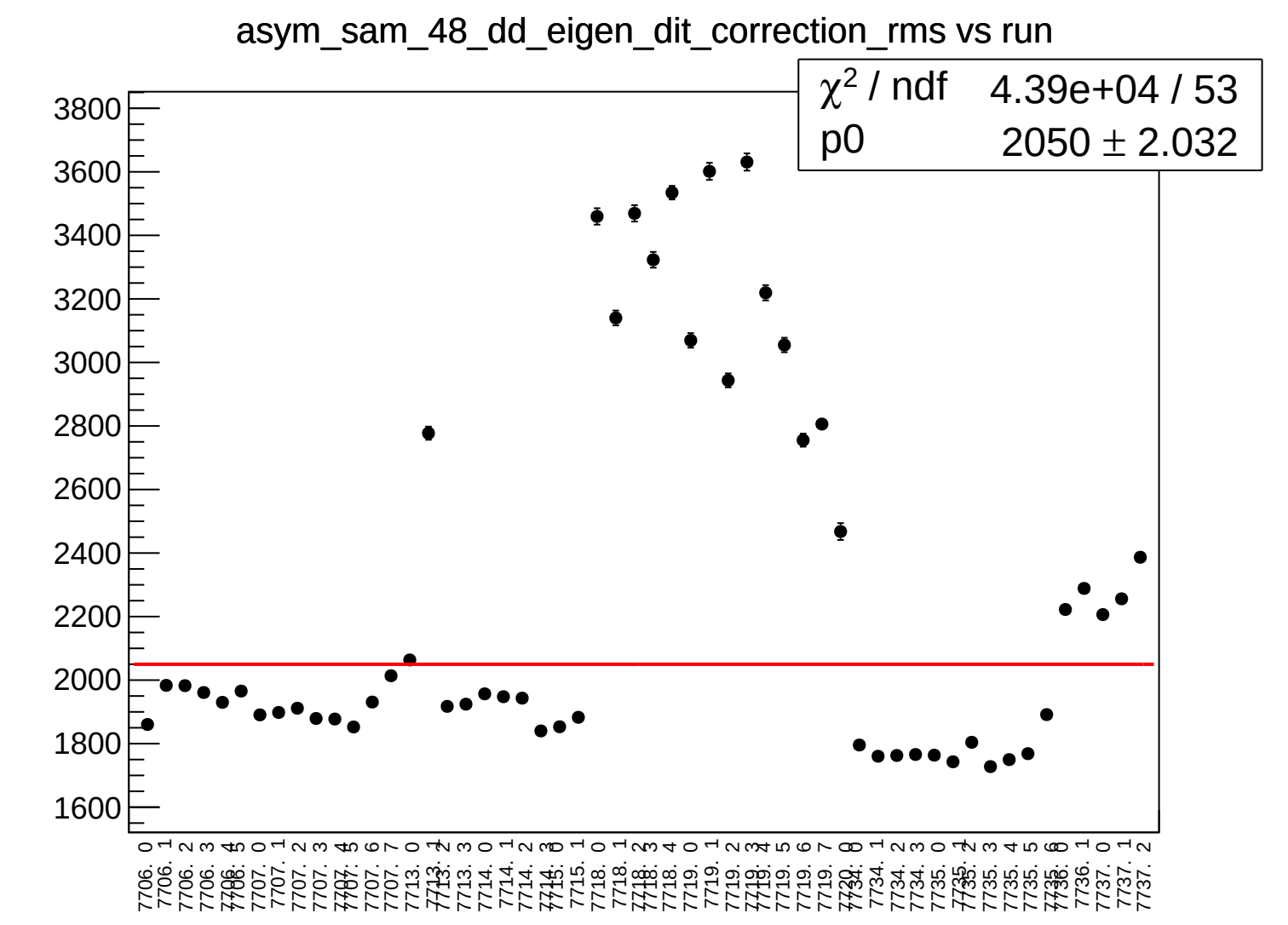

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 43.26 / 53
p0 −59.73 ± 260.4
pull
Entries 54
Mean 51.26
Std Dev 0

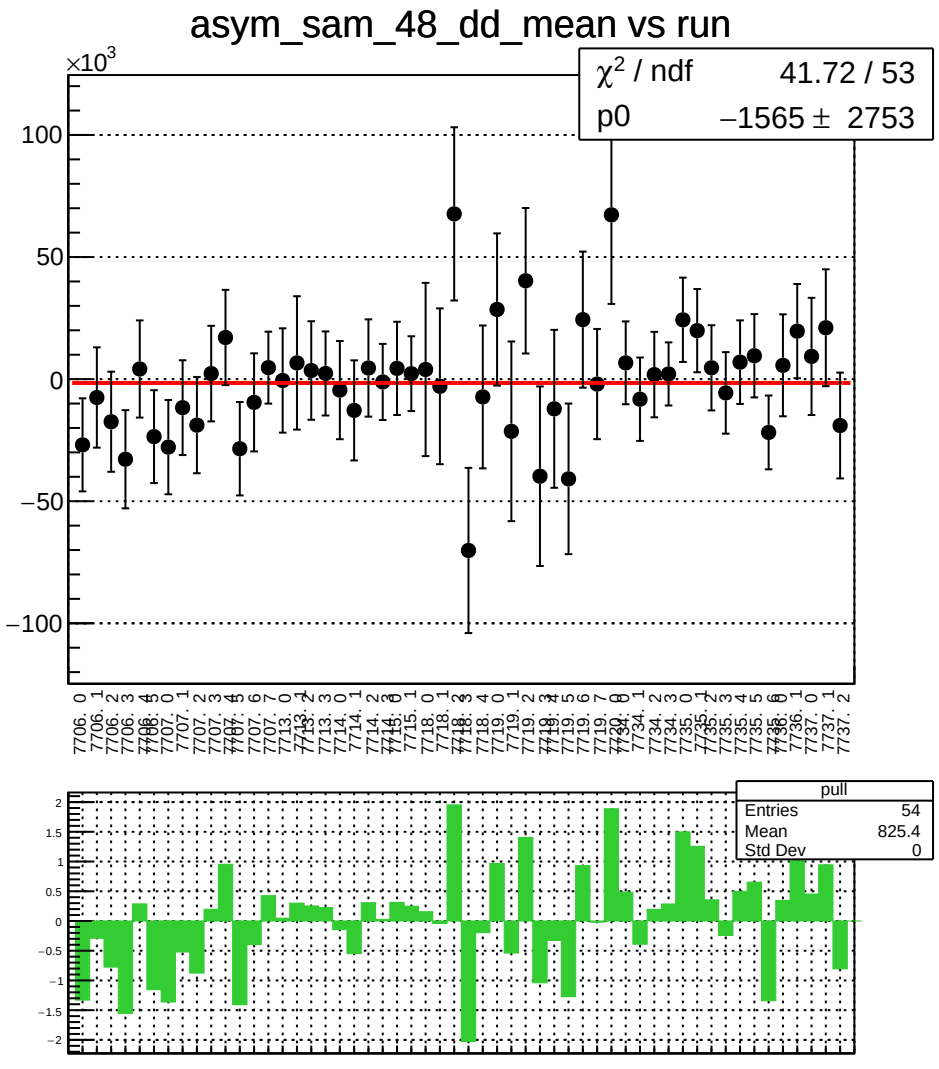

pull1D
Entries 54
Mean 0.02792
Std Dev 0.8946

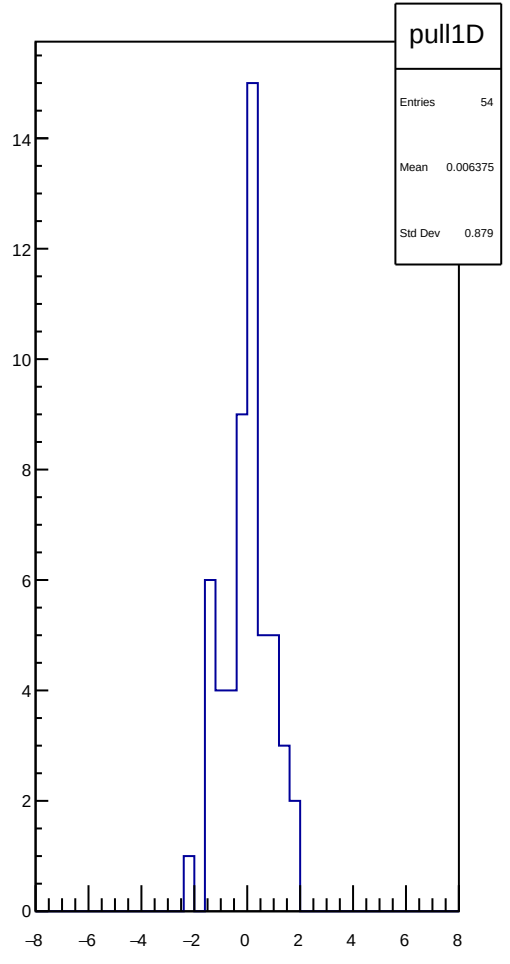

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.816e+04 / 53
p0 187.2 ± 0.1841
340
320
300
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

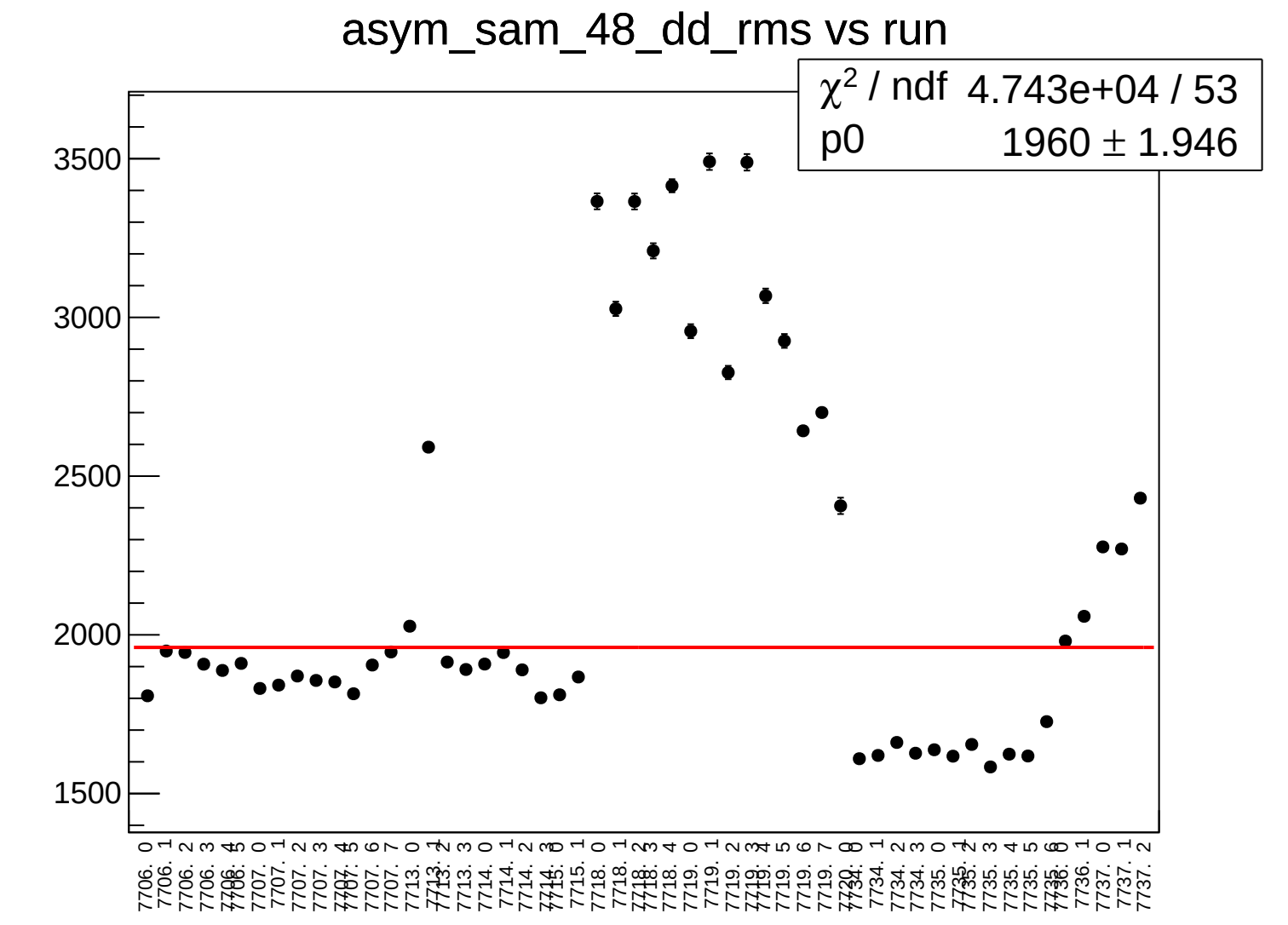

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.32 / 53
p0 1659 ± 2873
×10³
pull
Entries 54
Mean 626.5
Std Dev 0

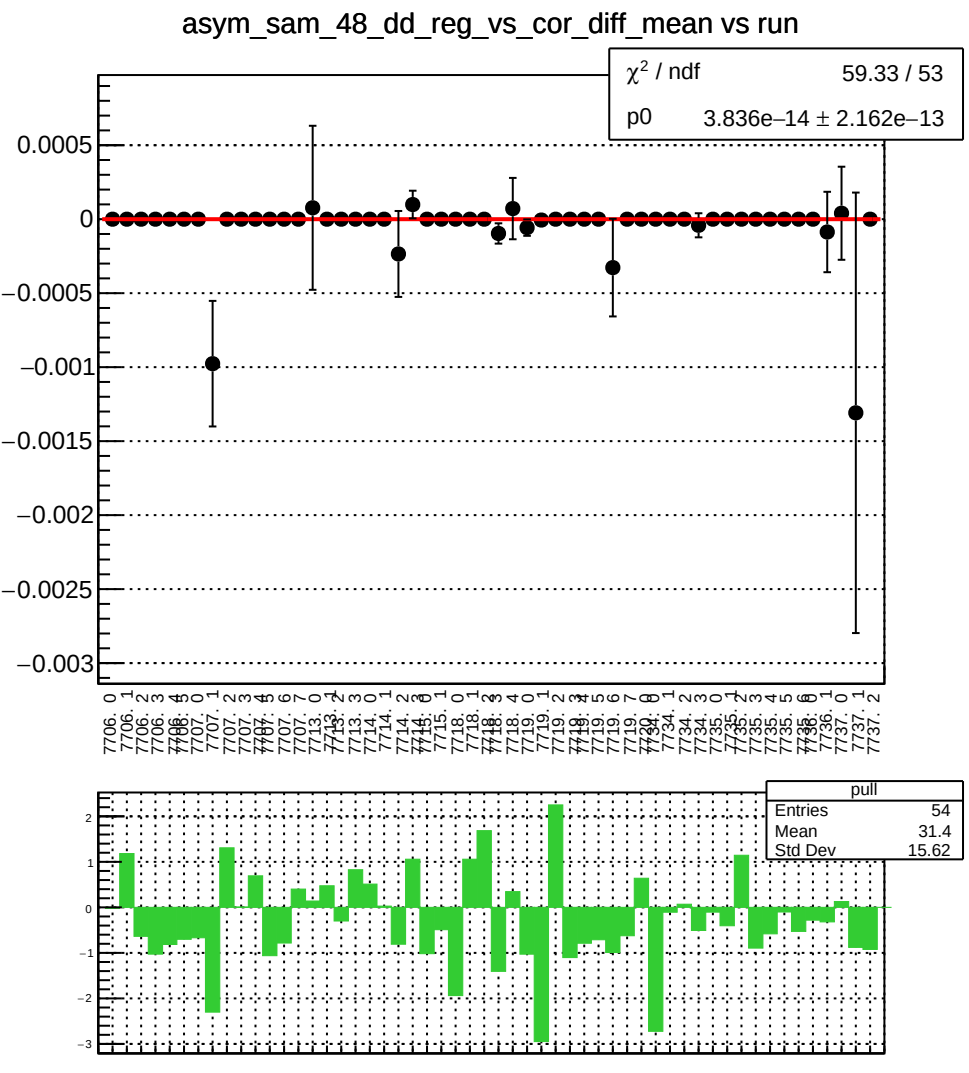

pull1D
Entries 54
Mean −0.008033
Std Dev 0.8641

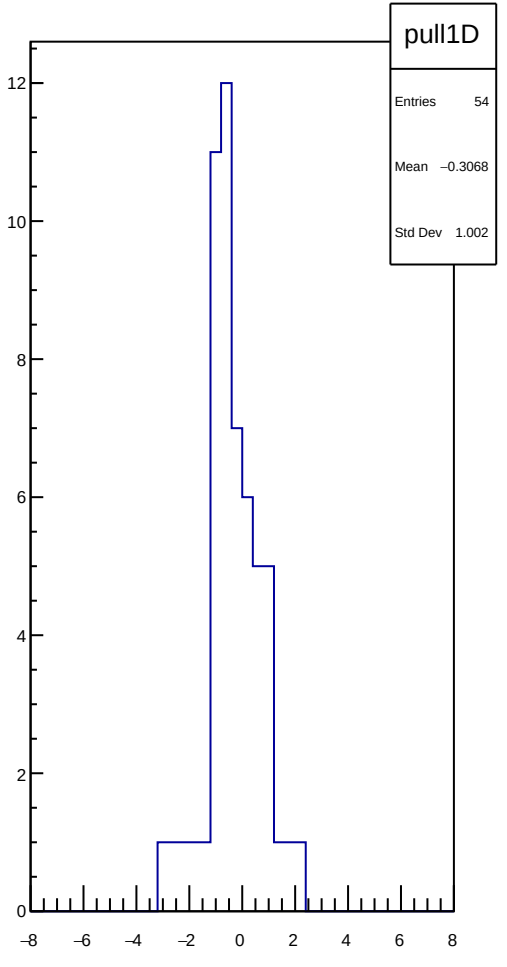

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.39e+04 / 53
p0 2050 ± 2.032
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

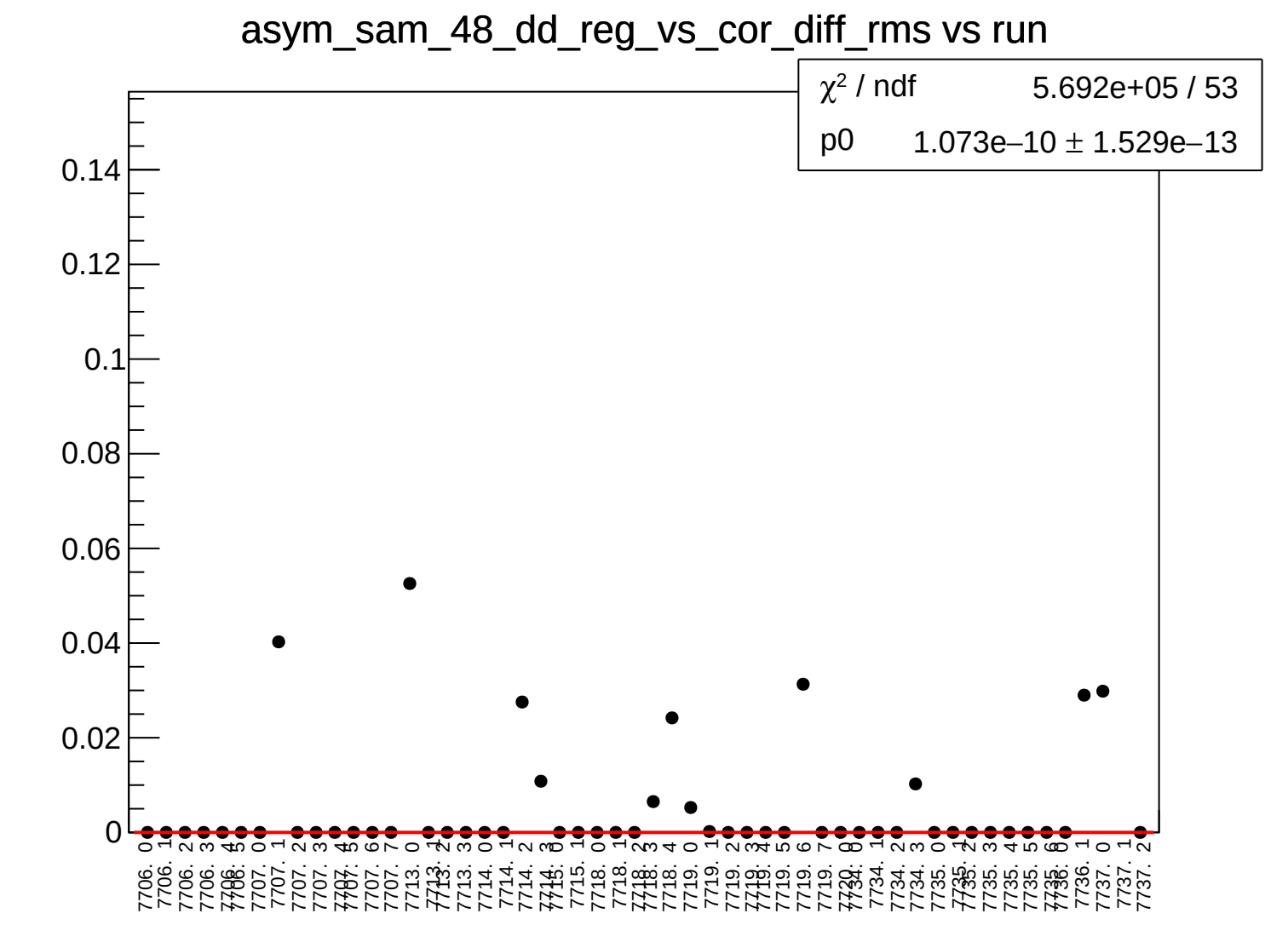

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 41.72 / 53
p0 −1565 ± 2753
100
50
0
−50
−100
pull
Entries 54
Mean 825.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

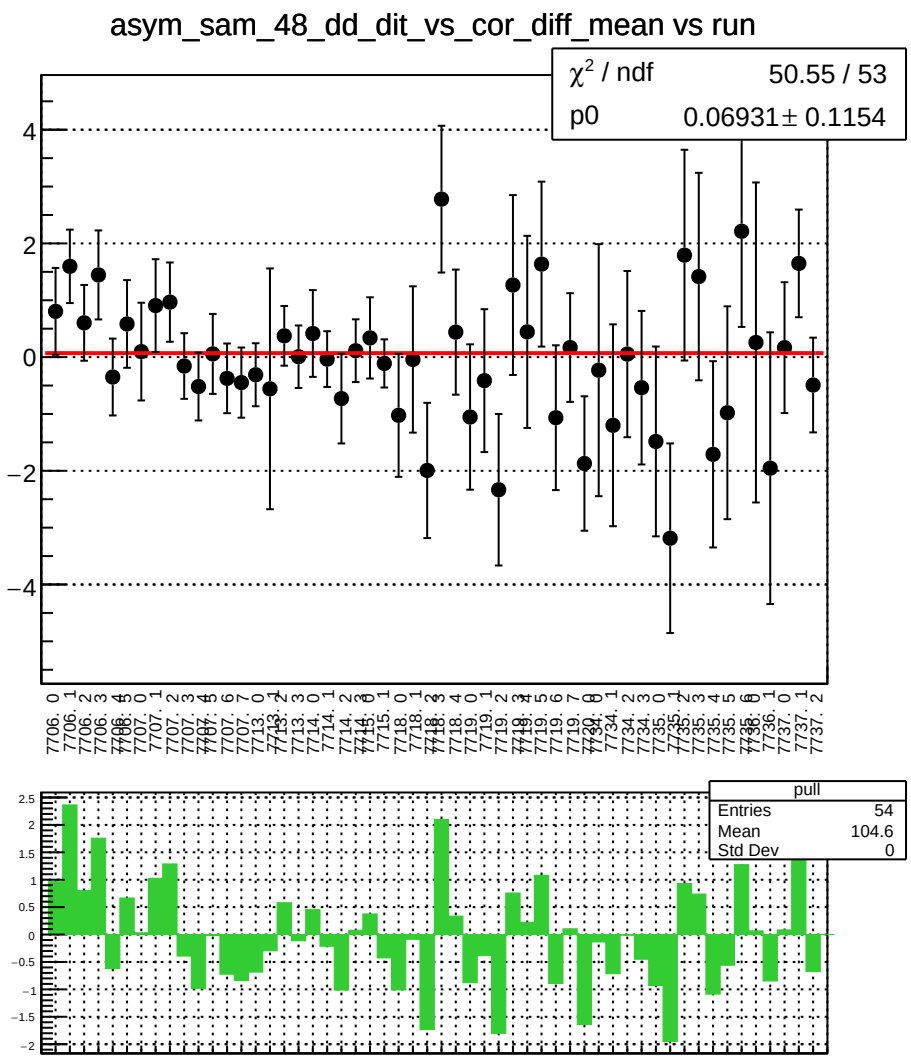

pull1D
Entries 54
Mean 0.006375
Std Dev 0.879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

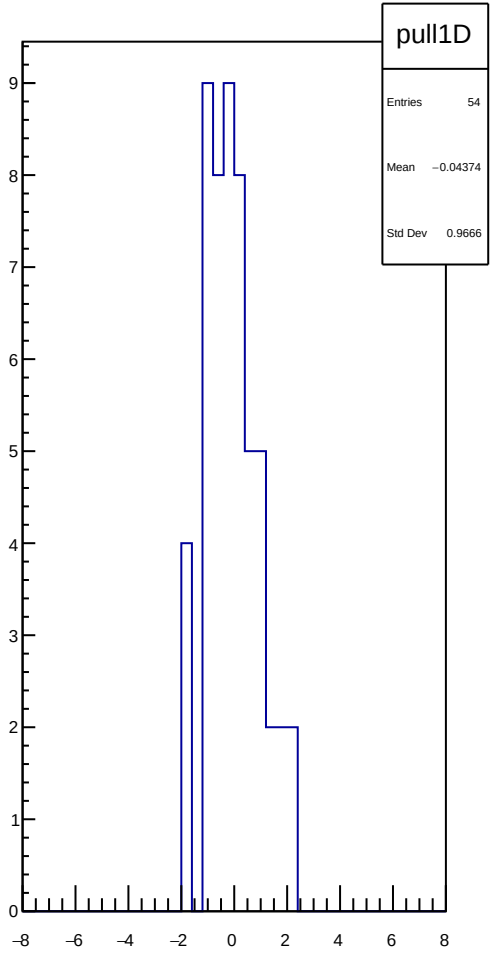

asym_sam_48_dd_rms vs run
χ² / ndf 4.743e+04 / 53
p0 1960 ± 1.946
3500
3000
2500
2000
1500

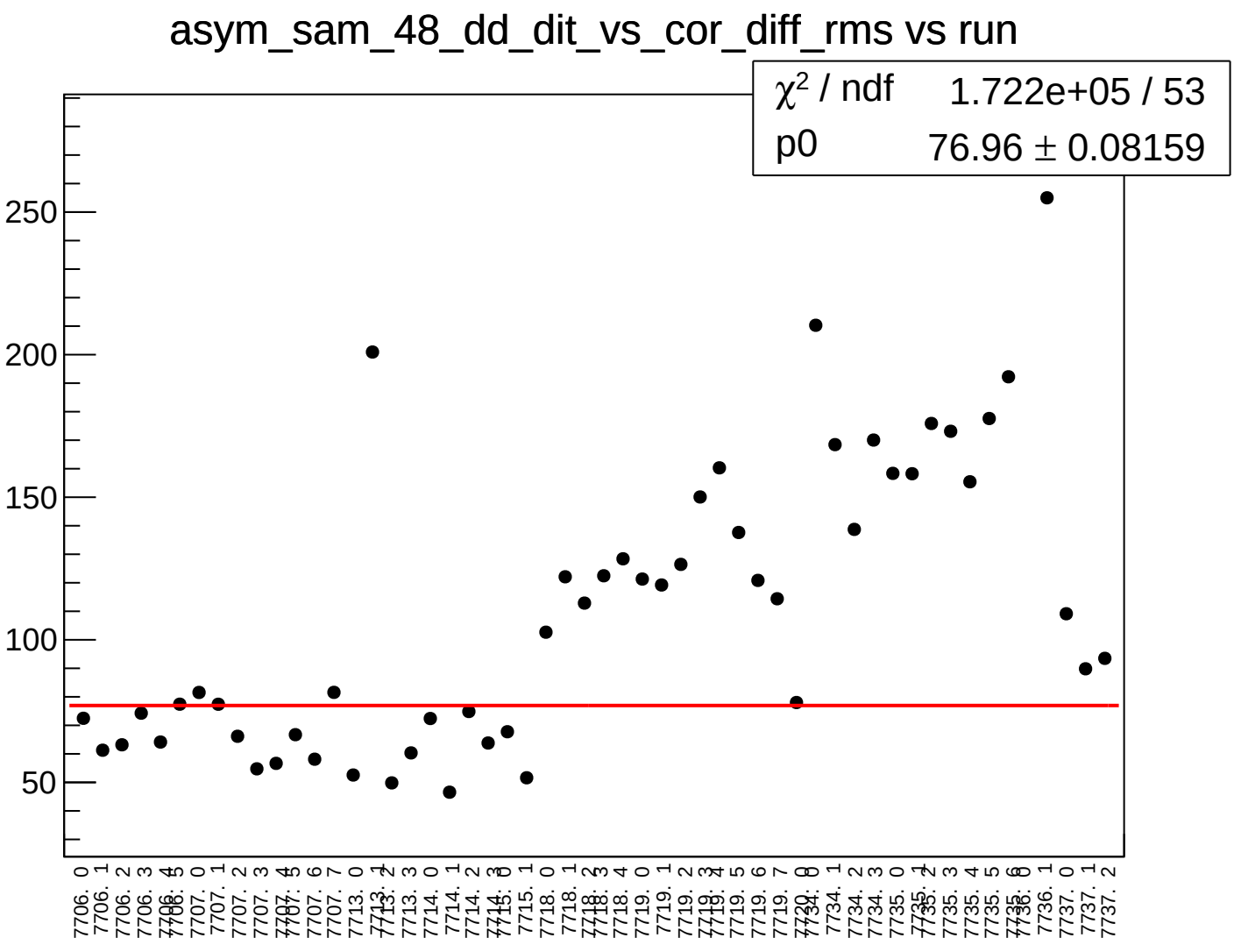

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.33 / 53
p0 3.836e−14 ± 2.162e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
pull
Entries 54
Mean 31.4
Std Dev 15.62
2
1
0
−1
−2
−3

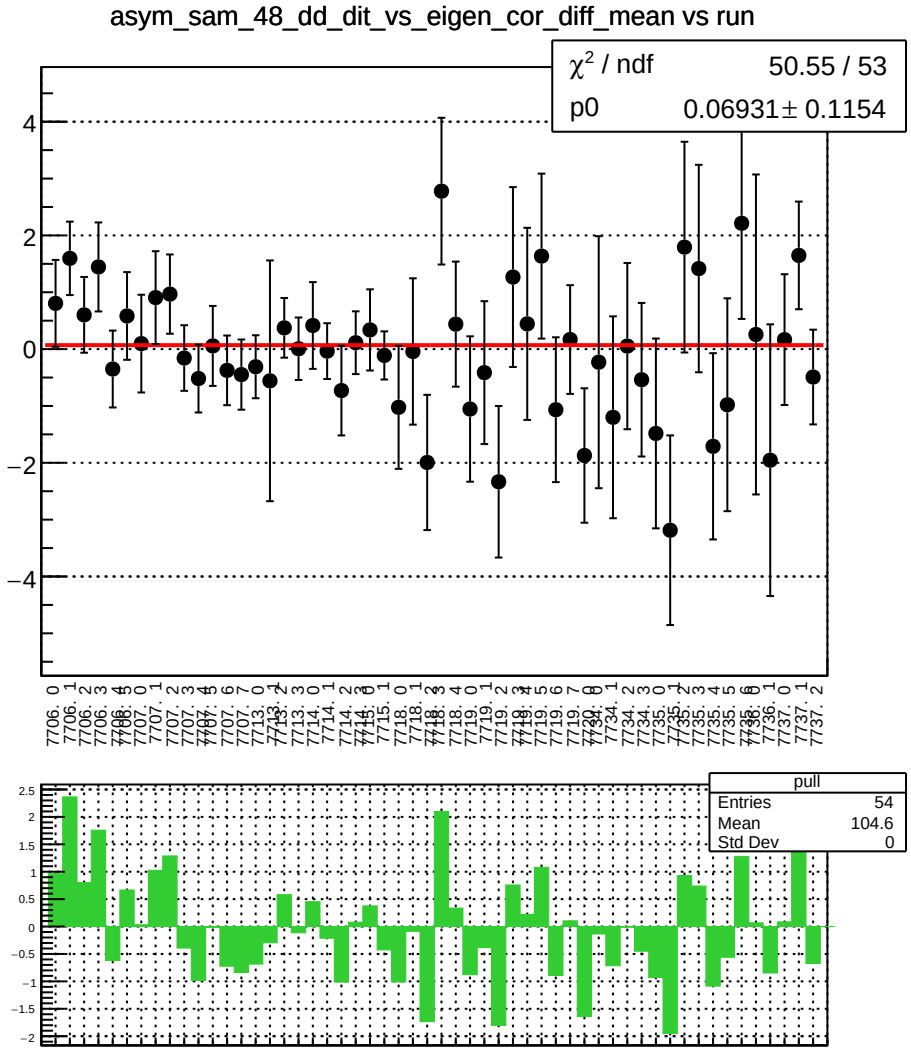

pull1D
Entries 54
Mean −0.3068
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

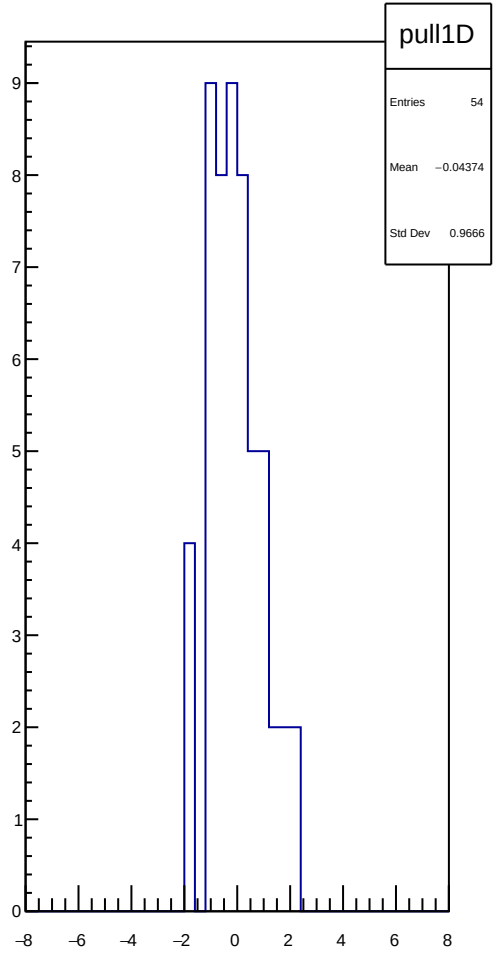

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.692e+05 / 53
p0 1.073e−10 ± 1.529e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

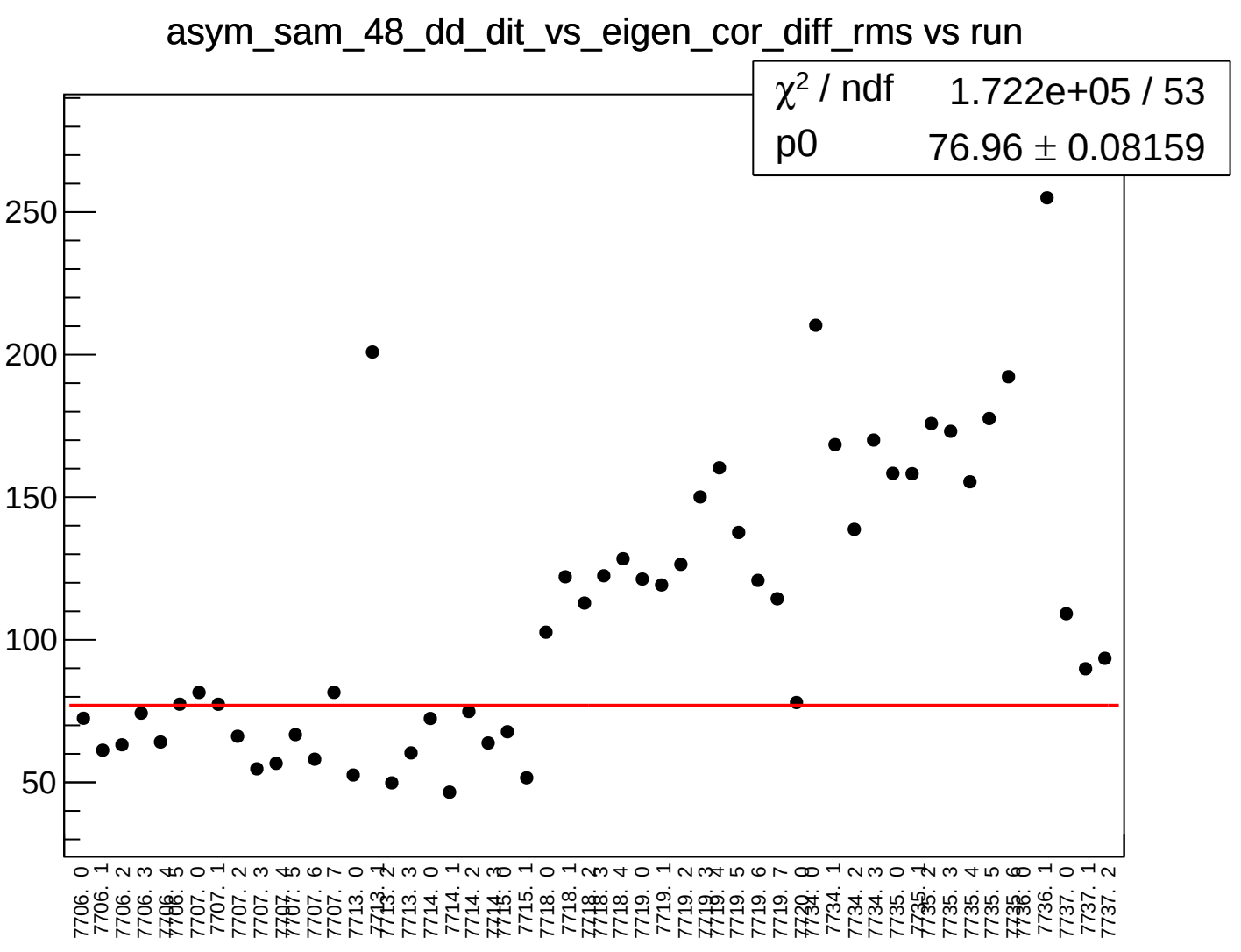

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.55 / 53
p0 0.06931 ± 0.1154
pull
Entries 54
Mean 104.6
Std Dev 0

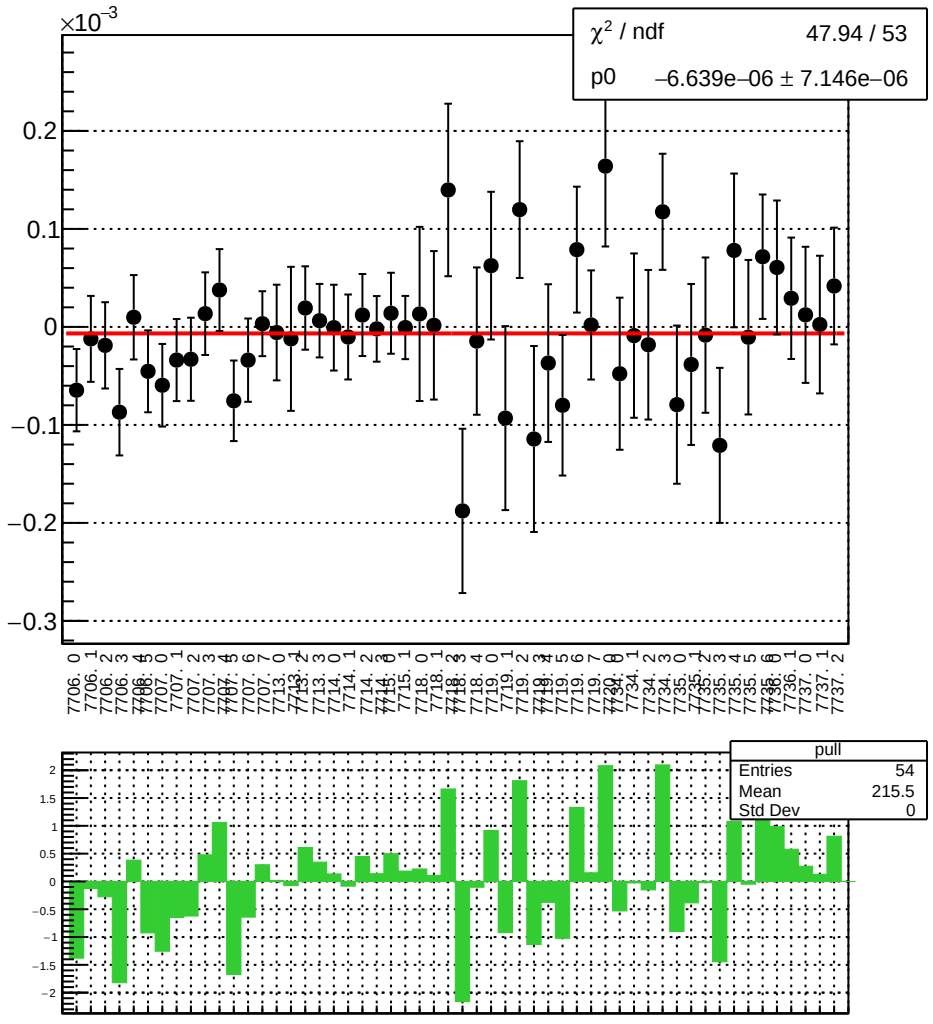

pull1D
Entries 54
Mean −0.04374
Std Dev 0.9666

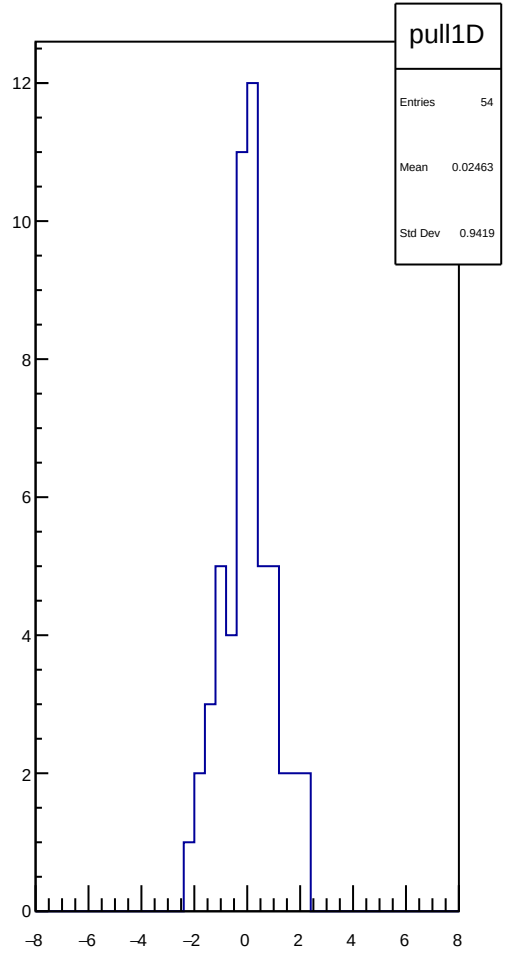

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.722e+05 / 53
p0 76.96 ± 0.08159
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

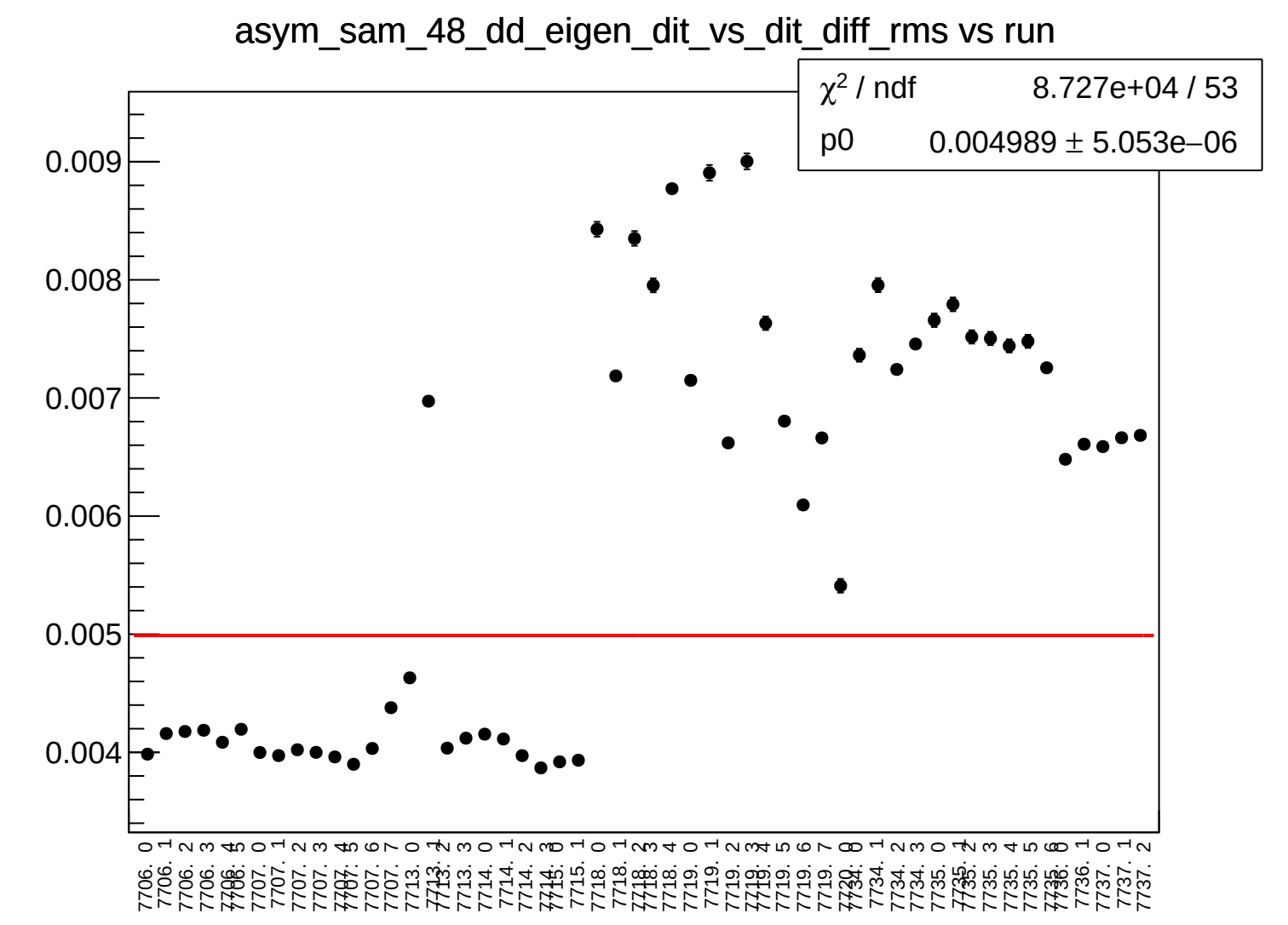

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.55 / 53
p0 0.06931 ± 0.1154
pull
Entries 54
Mean 104.6
Std Dev 0

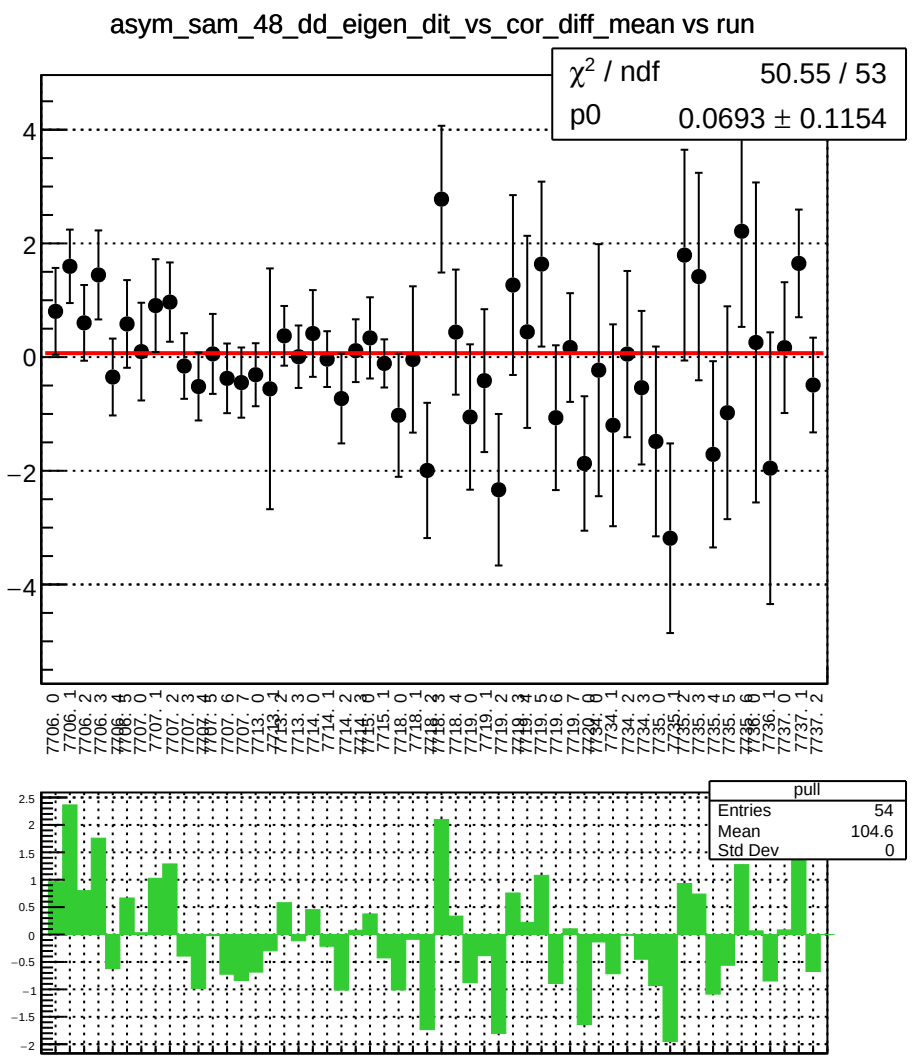

pull1D
Entries 54
Mean −0.04374
Std Dev 0.9666

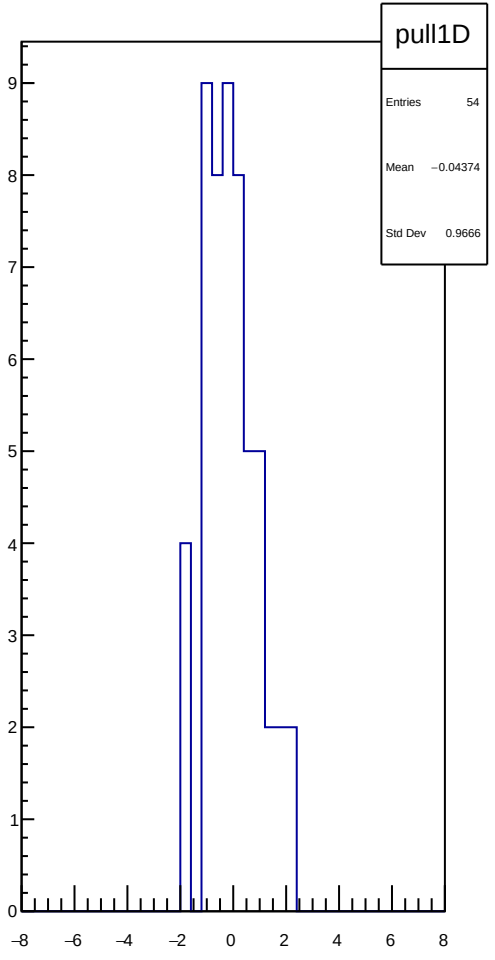

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.722e+05 / 53
p0 76.96 ± 0.08159
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

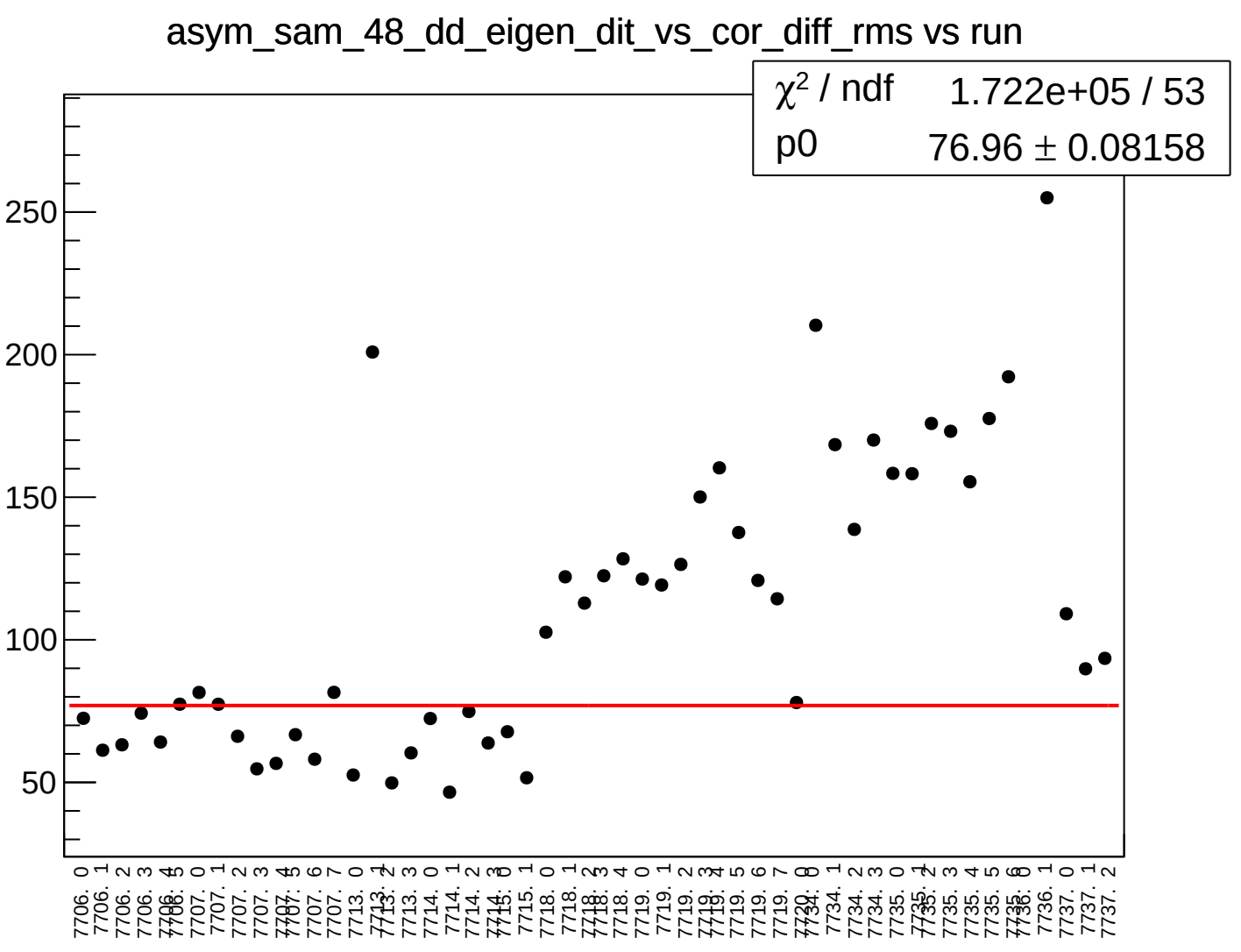

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.94 / 53
p0 −6.639e−06 ± 7.146e−06
pull
Entries 54
Mean 215.5
Std Dev 0

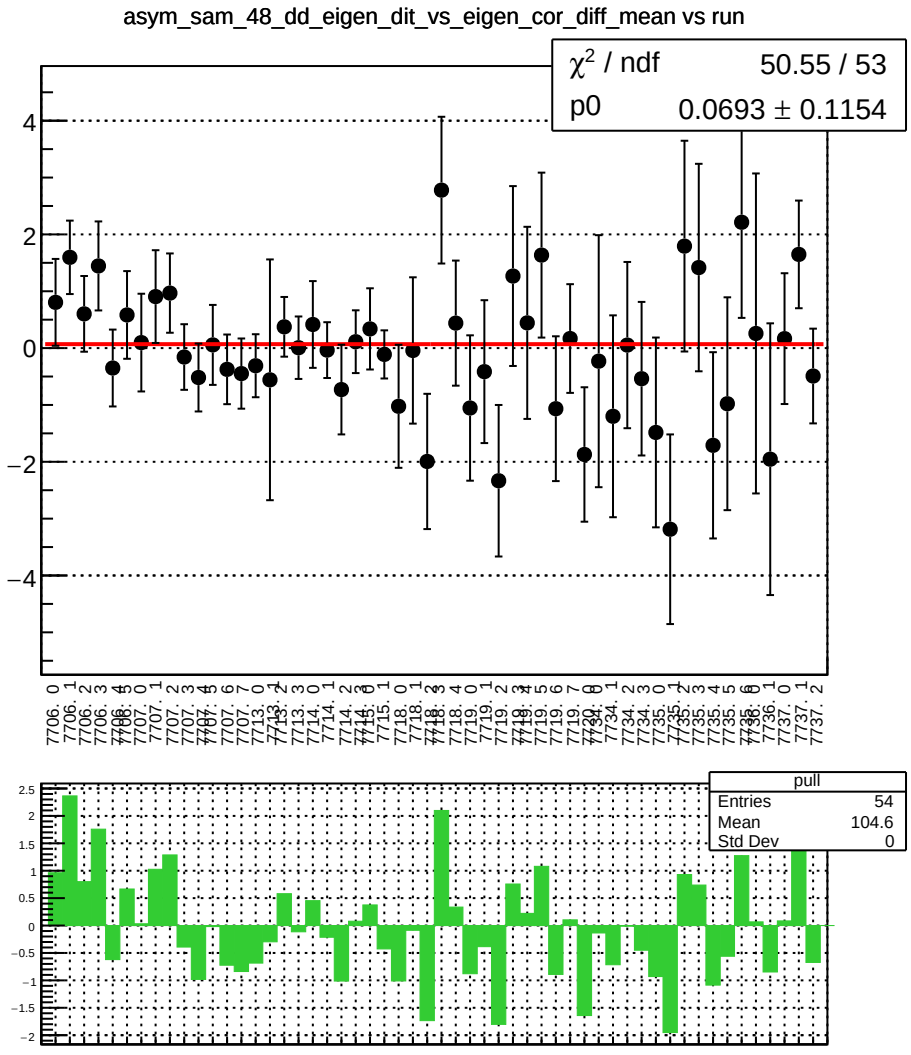

pull1D
Entries 54
Mean 0.02463
Std Dev 0.9419

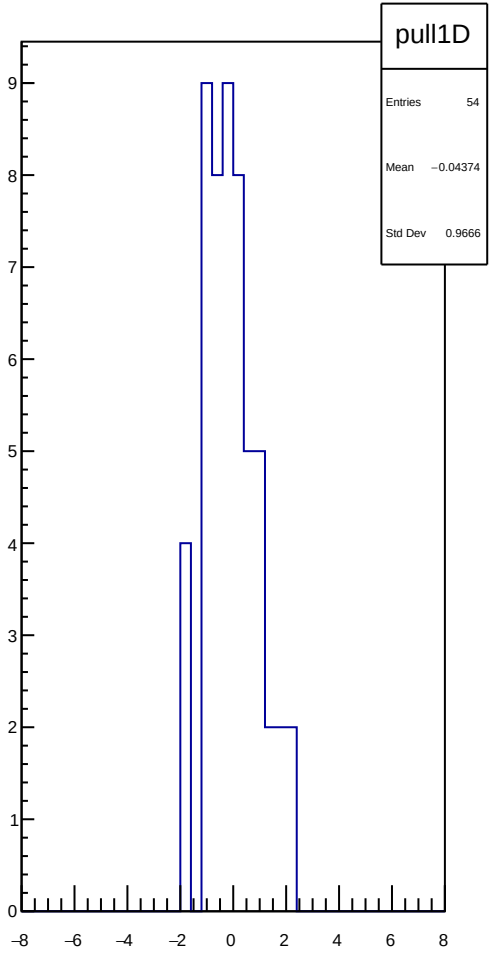

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.727e+04 / 53
p0 0.004989 ± 5.053e−06
0.009
0.008
0.007
0.006
0.005
0.004

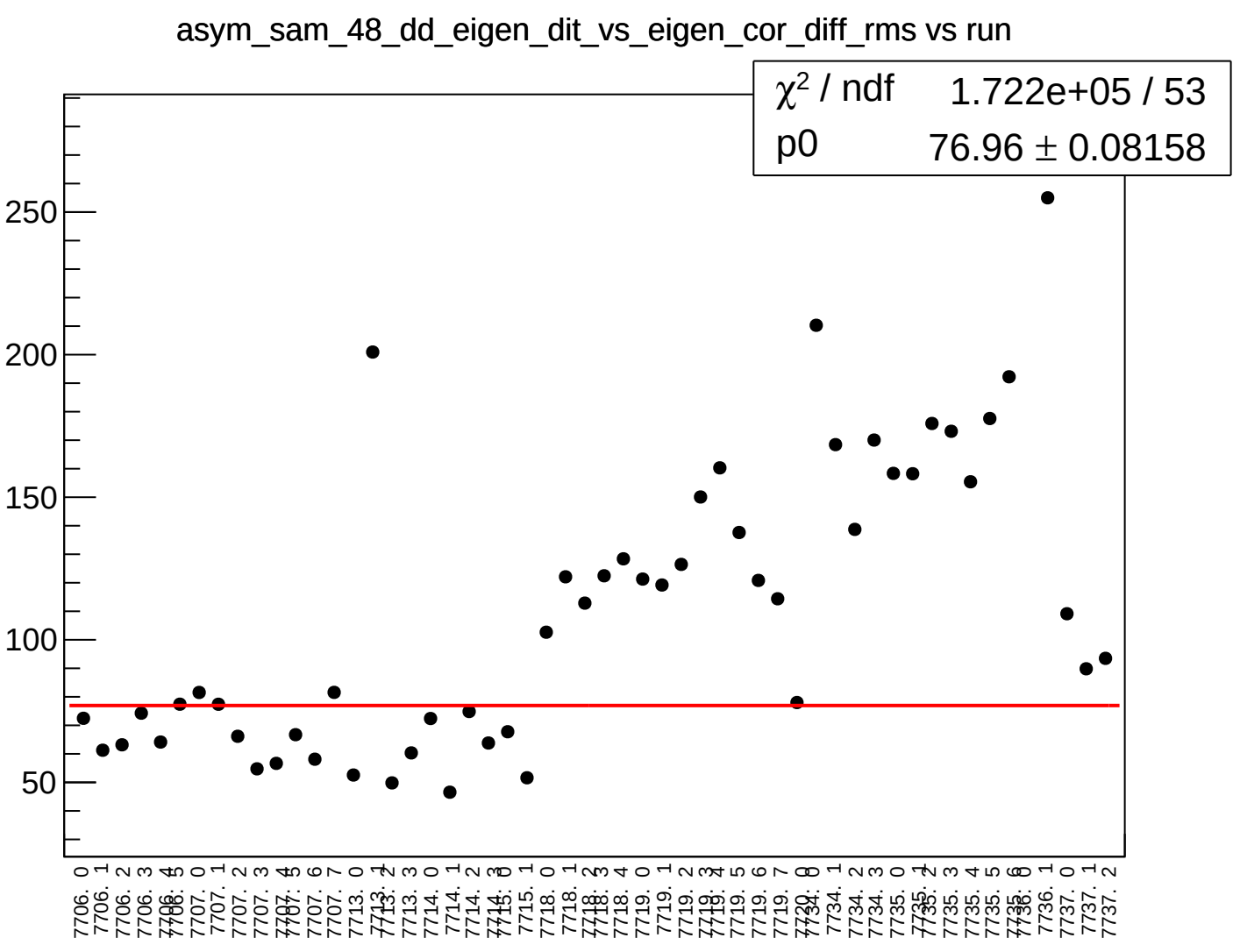

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.55 / 53
p0 0.0693 ± 0.1154
pull
Entries 54
Mean 104.6
Std Dev 0

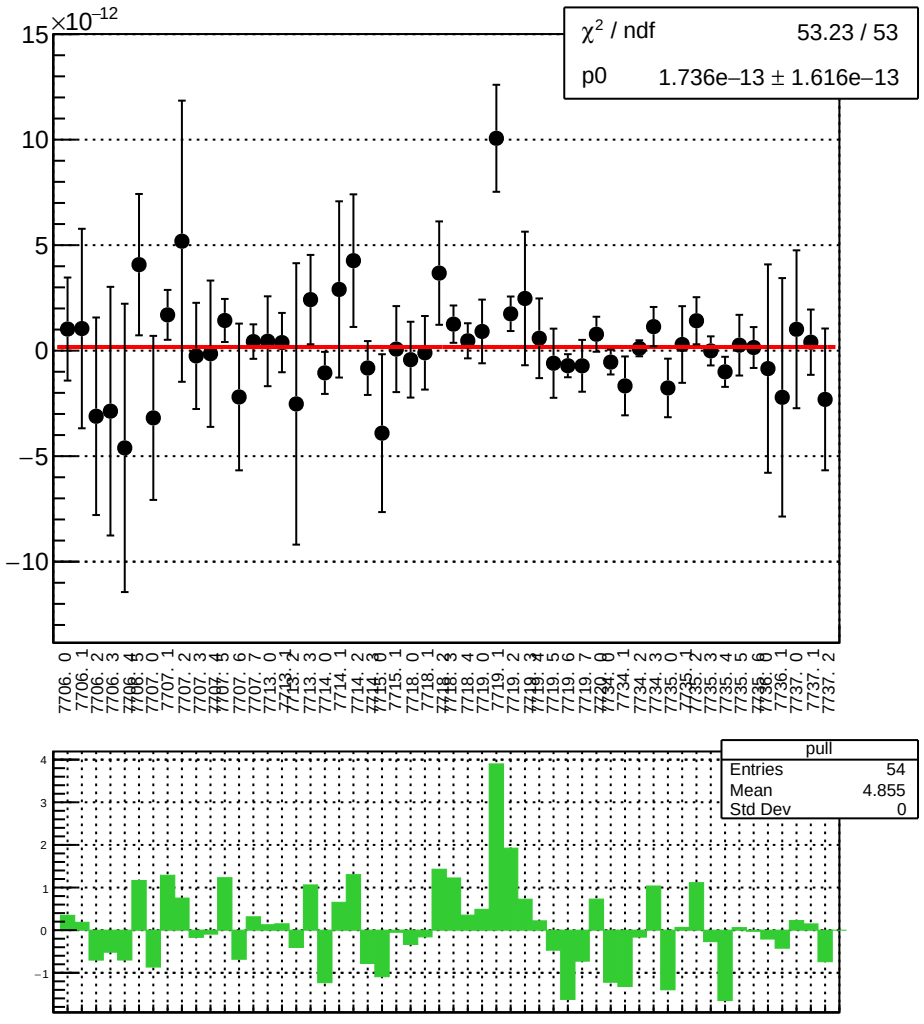

pull1D
Entries 54
Mean −0.04374
Std Dev 0.9666

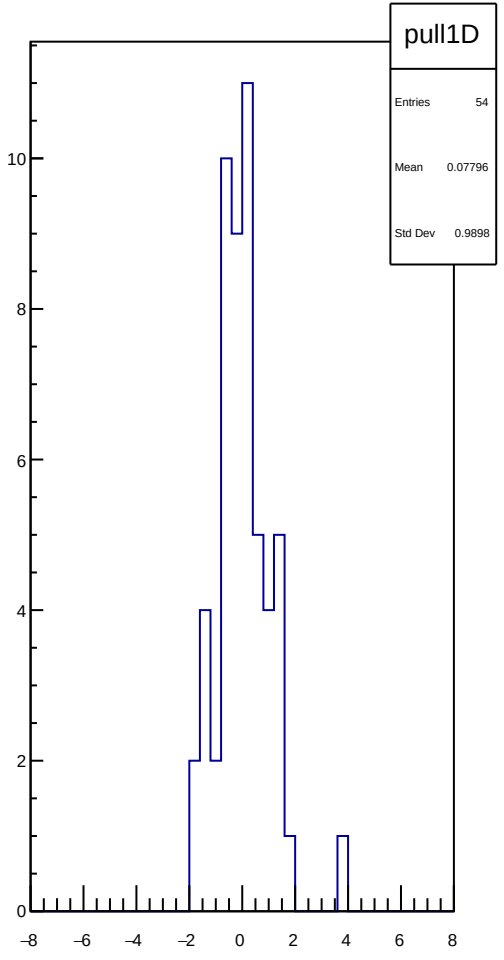

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.722e+05 / 53
p0 76.96 ± 0.08158
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

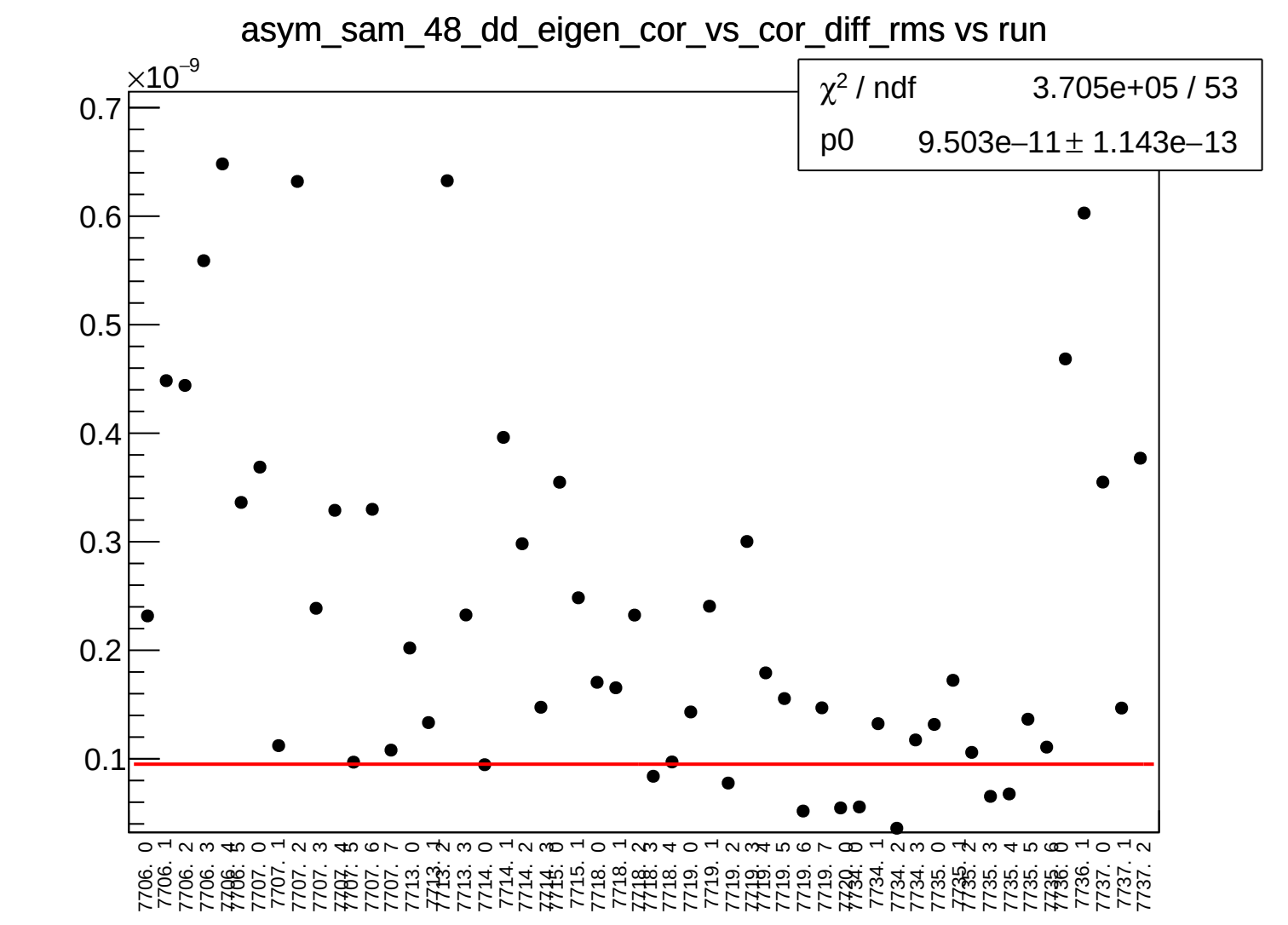

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.55 / 53
p0 0.0693 ± 0.1154
pull
Entries 54
Mean 104.6
Std Dev 0

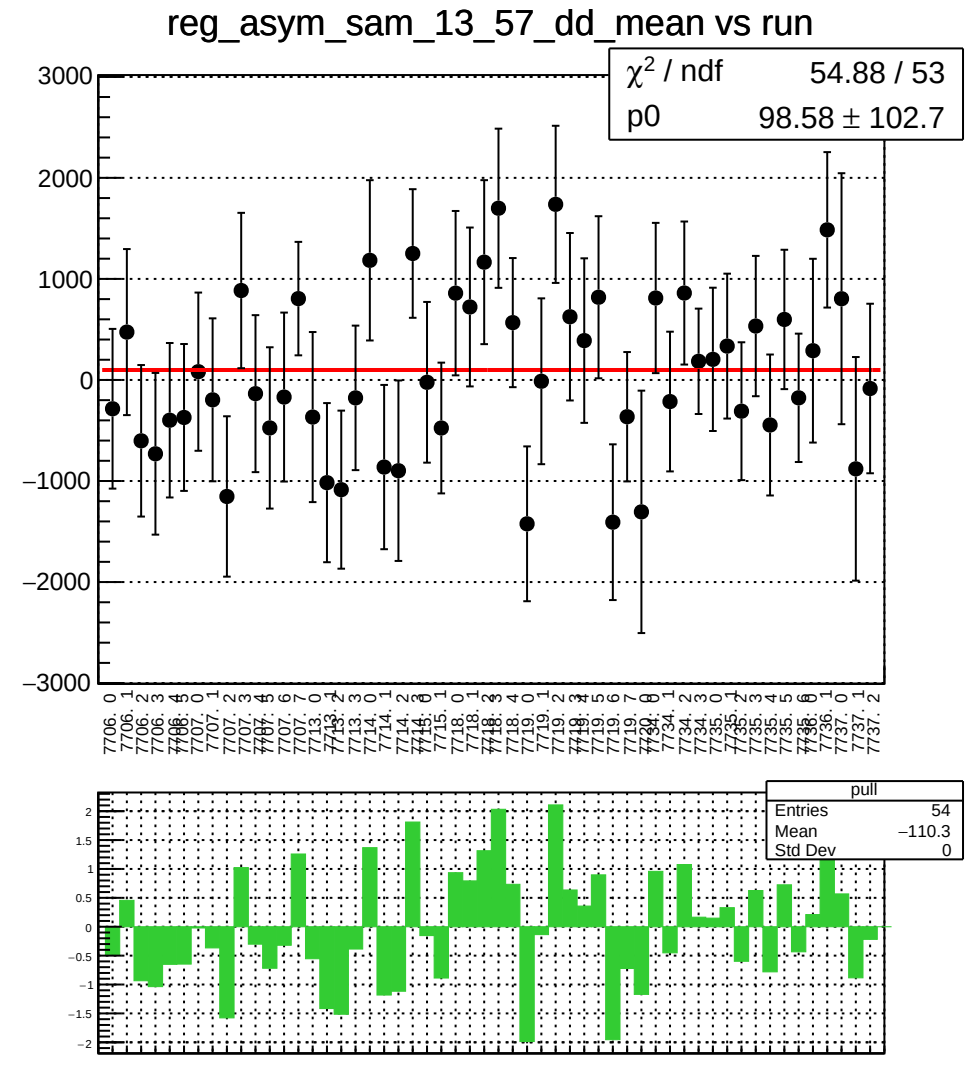

pull1D
Entries 54
Mean −0.04374
Std Dev 0.9666

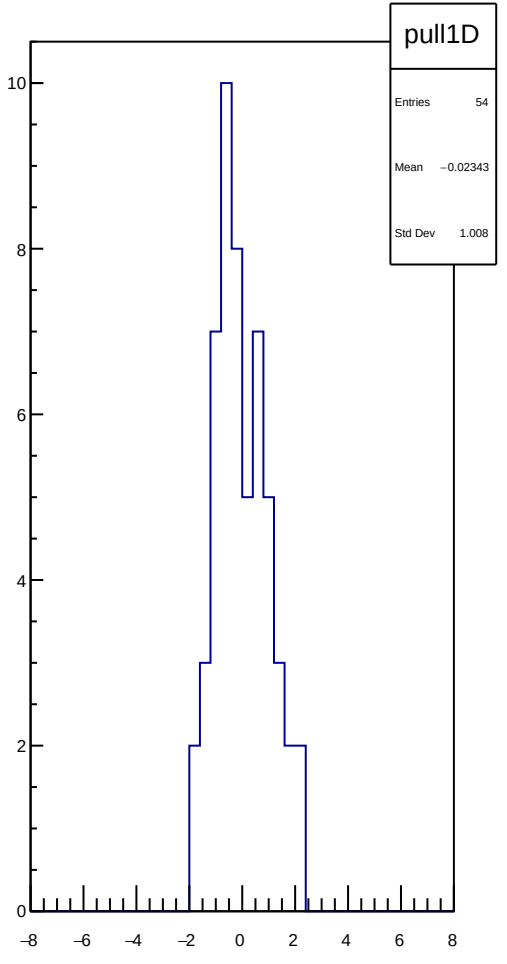

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.722e+05 / 53
p0 76.96 ± 0.08158
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

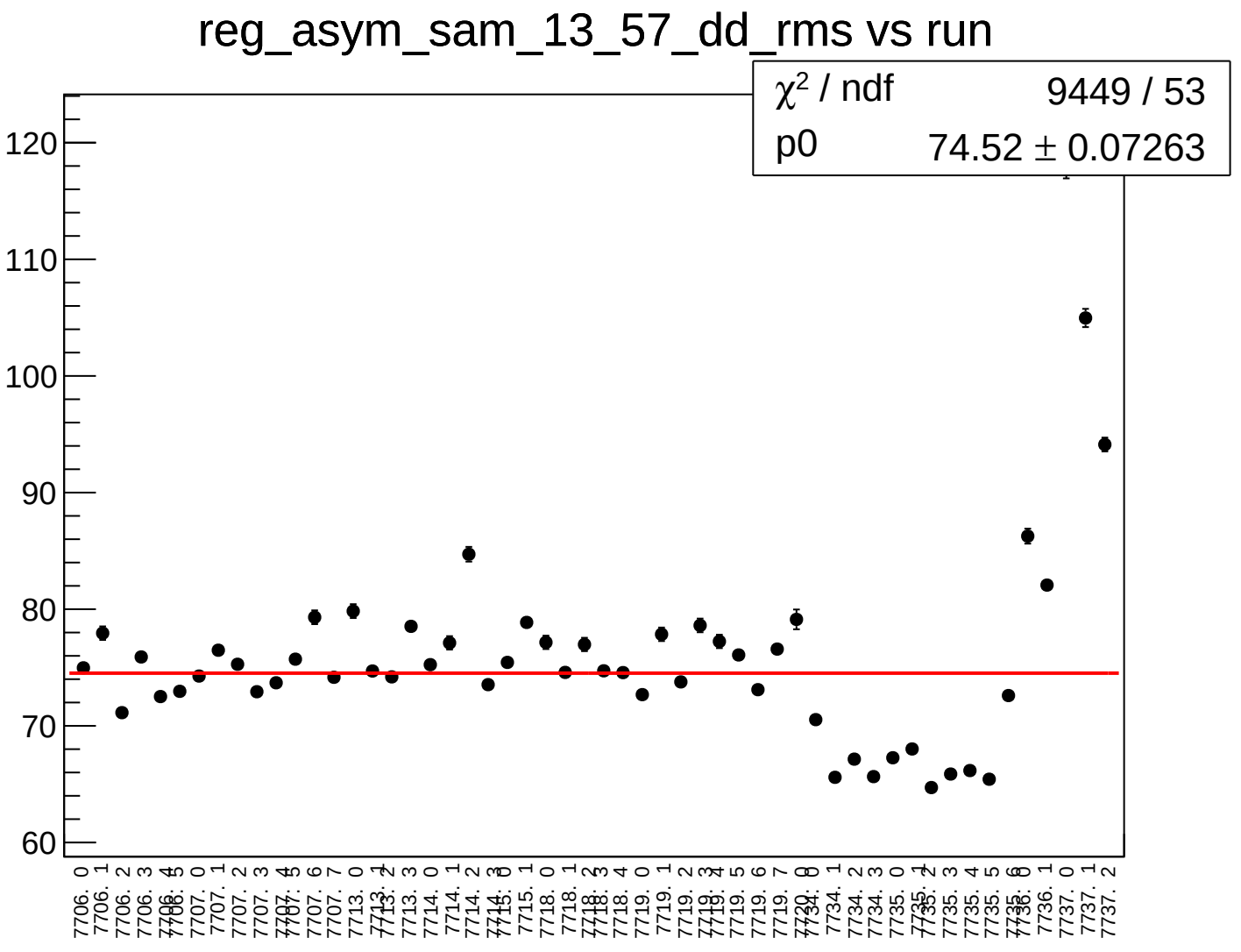

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.23 / 53
p0 1.736e−13 ± 1.616e−13
pull
Entries 54
Mean 4.855
Std Dev 0

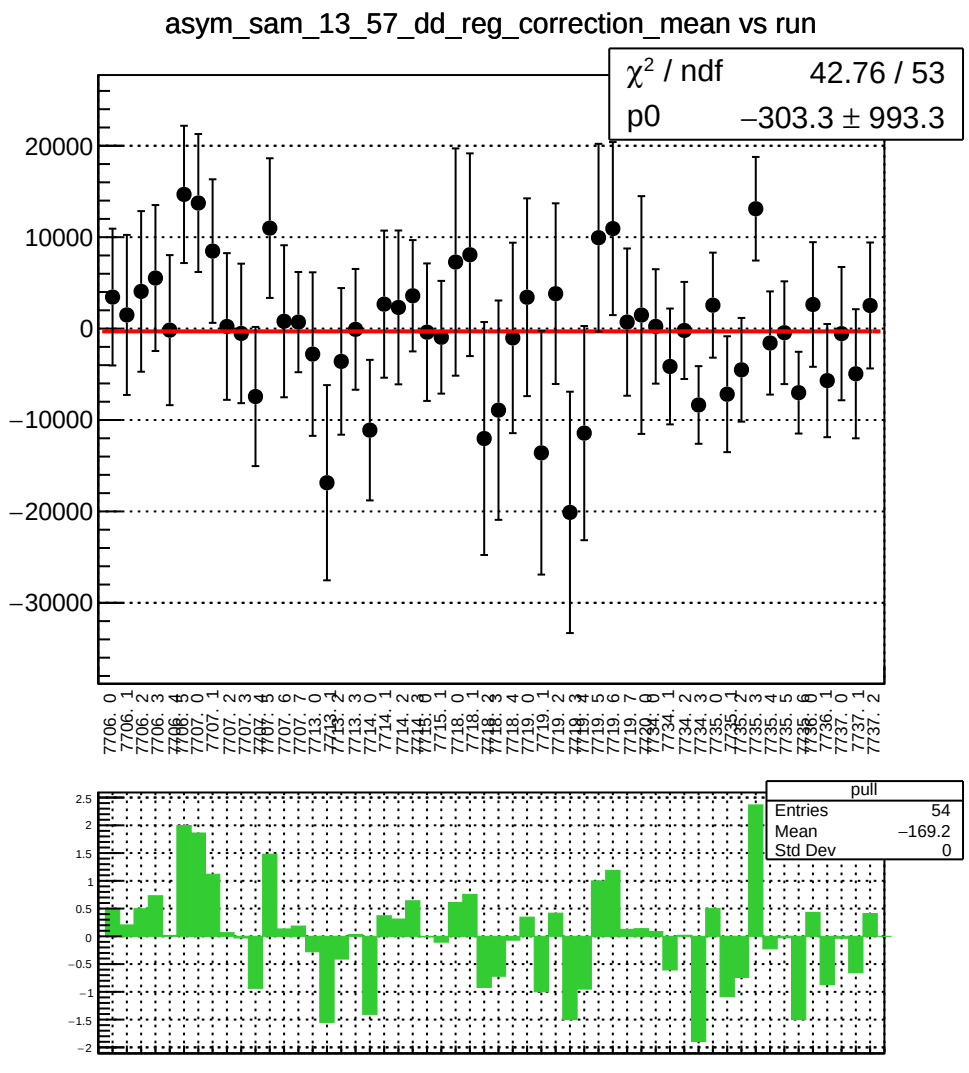

pull1D
Entries 54
Mean 0.07796
Std Dev 0.9898

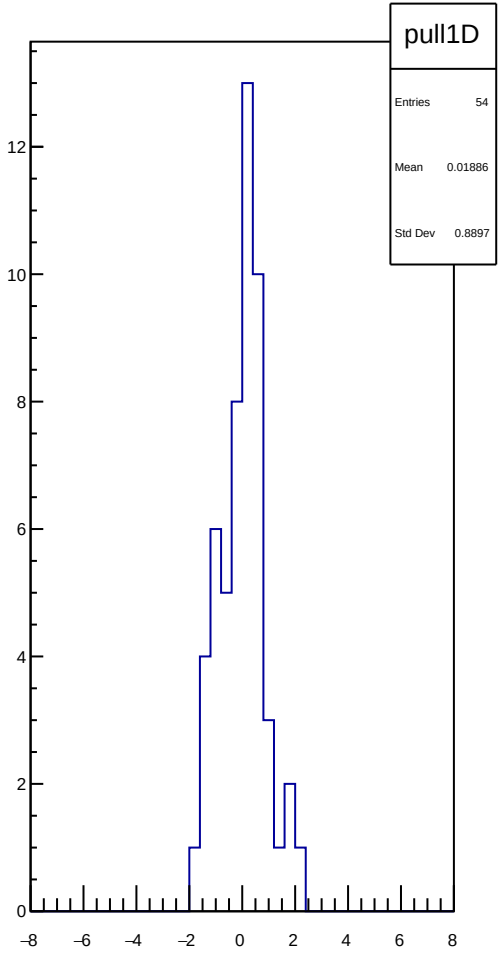

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.705e+05 / 53
p0 9.503e−11 ± 1.143e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

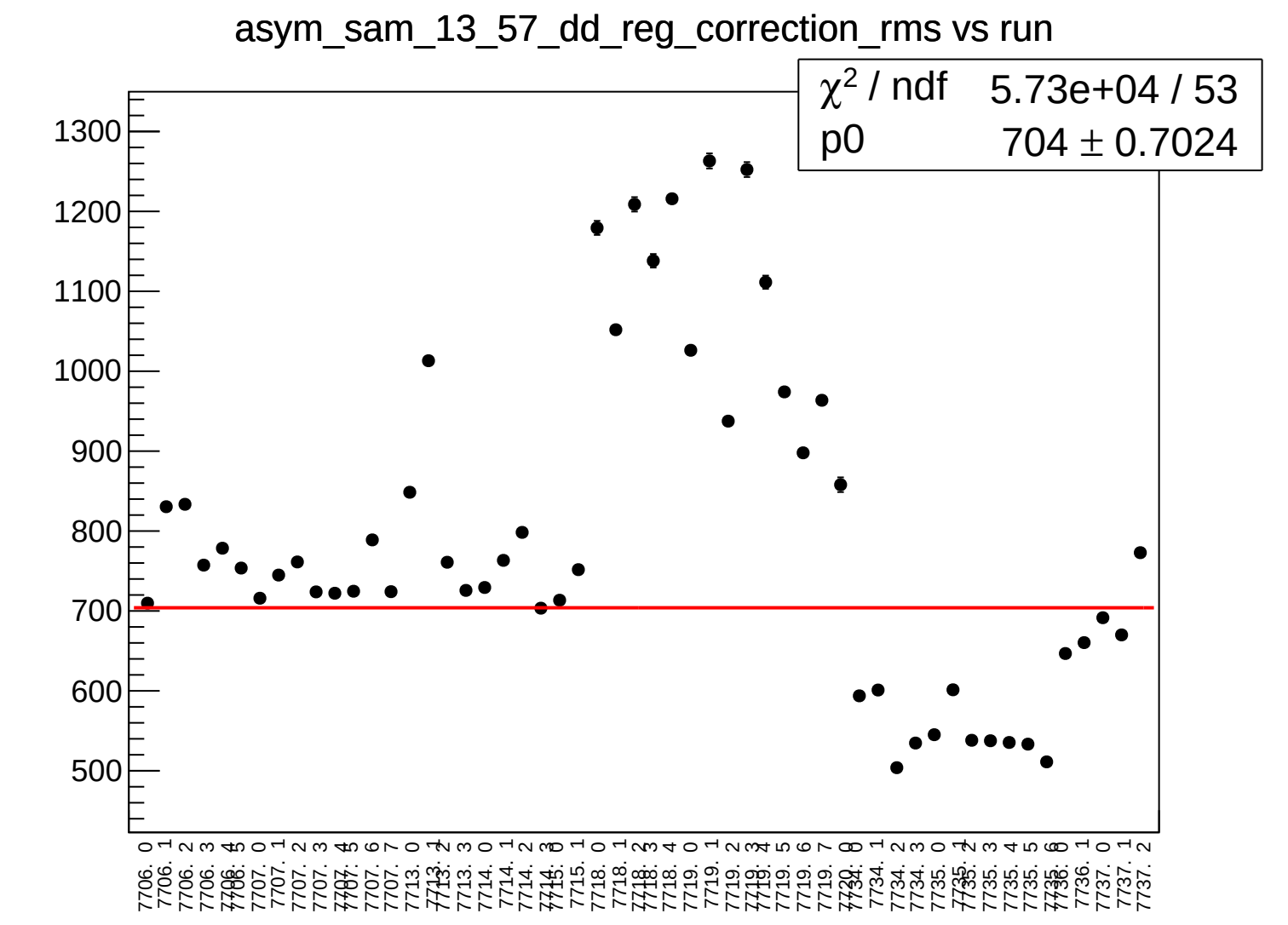

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.88 / 53
p0 98.58 ± 102.7
pull
Entries 54
Mean −110.3
Std Dev 0

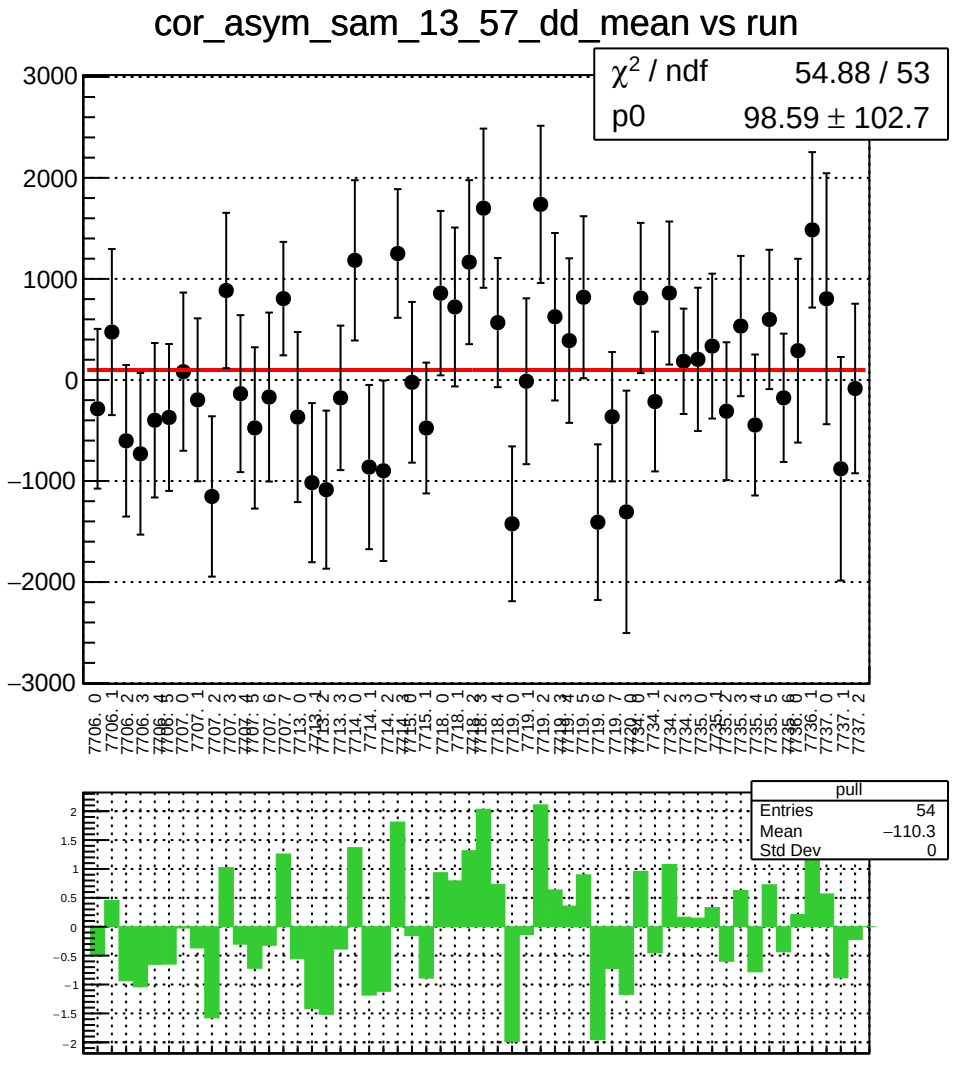

pull1D
Entries 54
Mean −0.02343
Std Dev 1.008

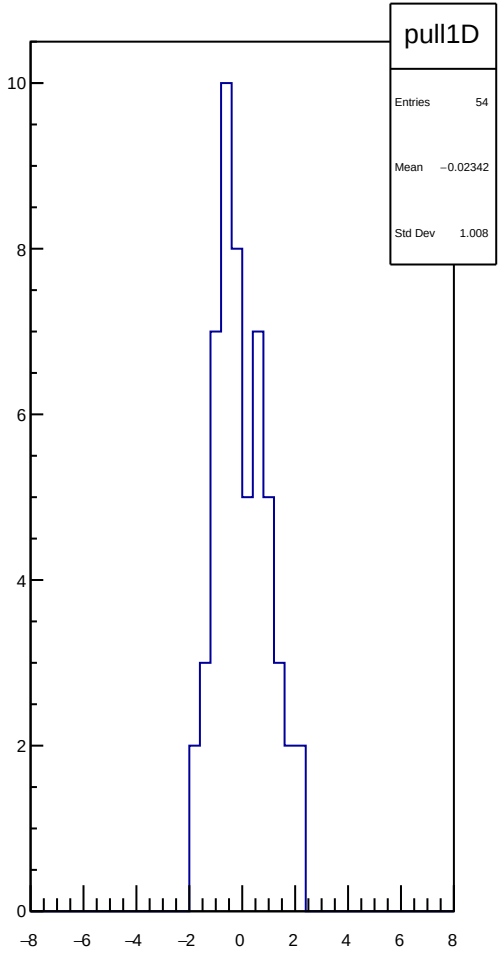

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 9449 / 53
p0 74.52 ± 0.07263
120
110
100
90
80
70
60

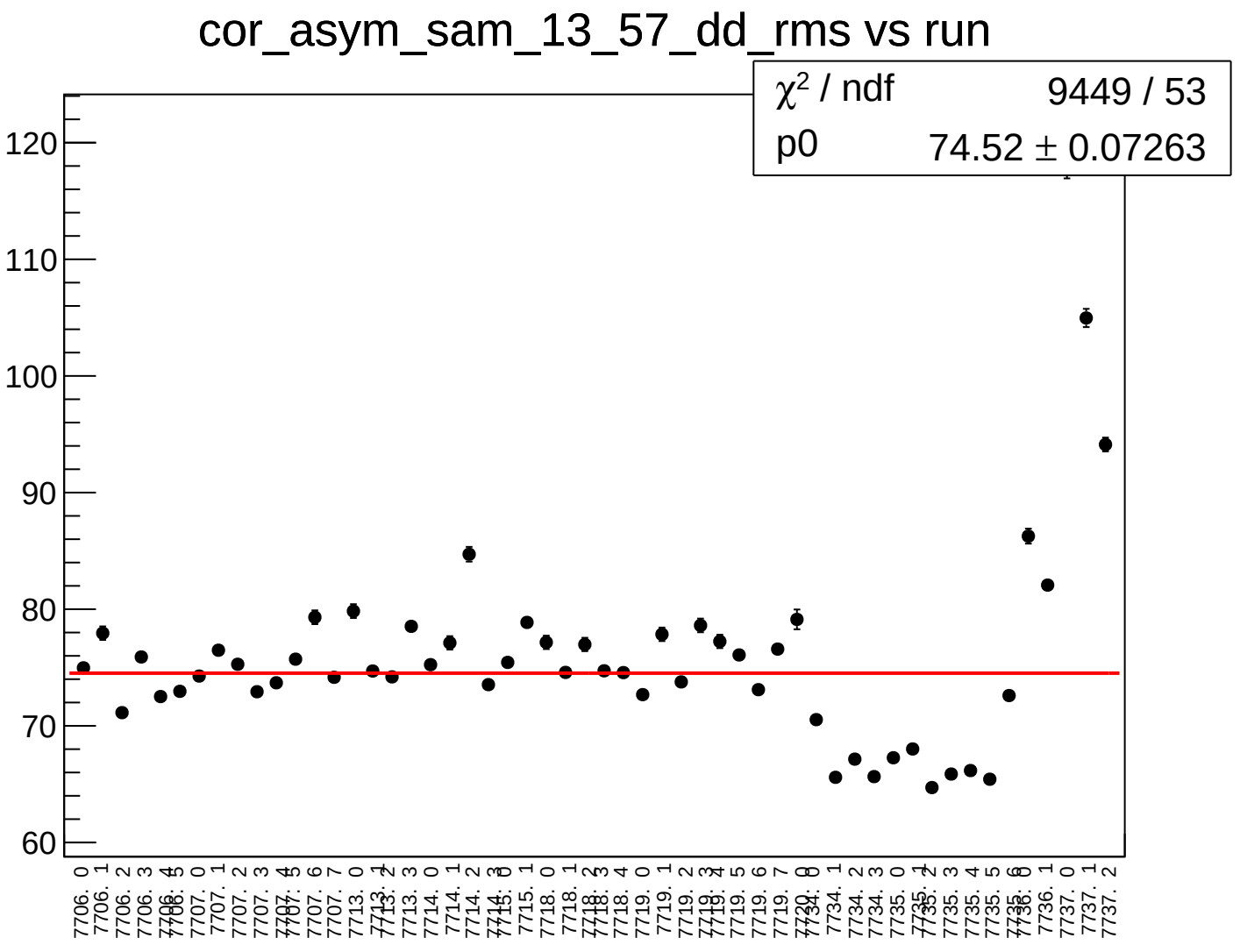

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 42.76 / 53
p0 −303.3 ± 993.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −169.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

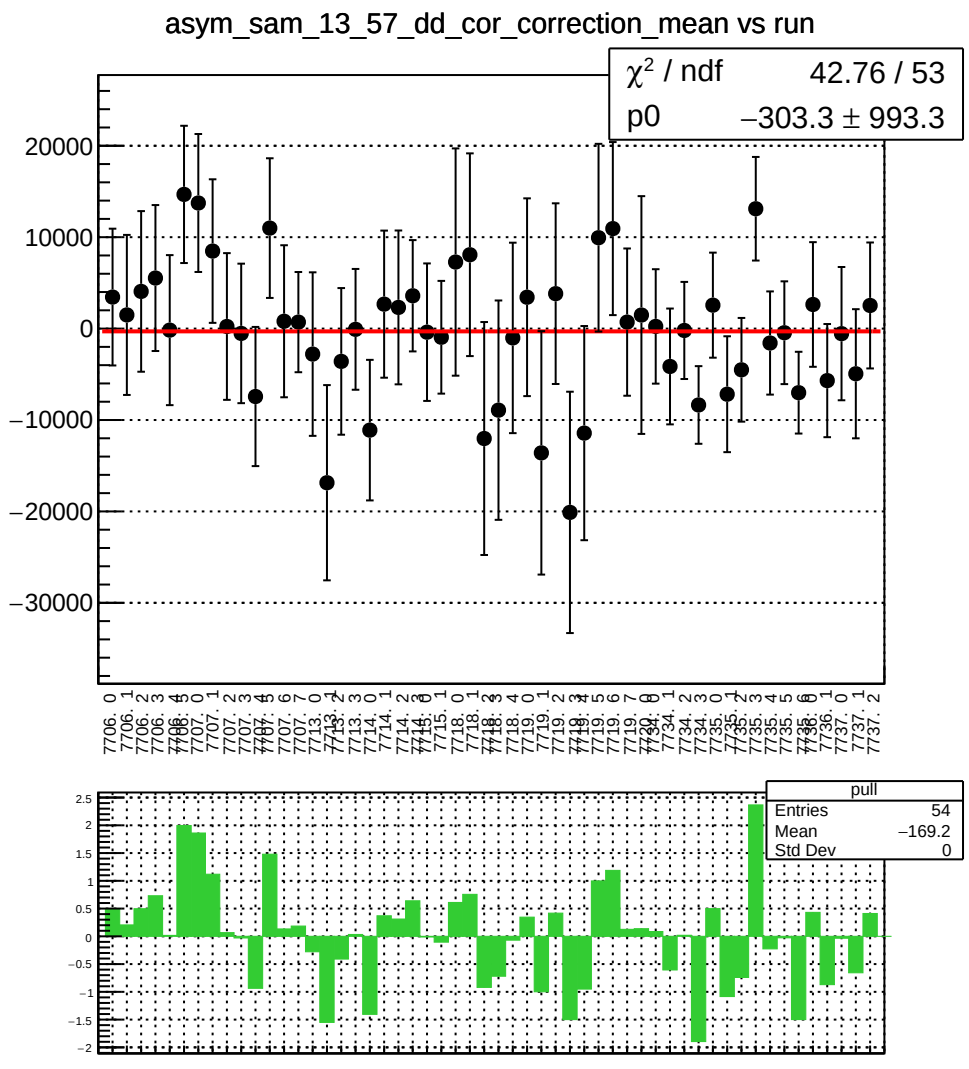

pull1D
Entries 54
Mean 0.01886
Std Dev 0.8897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

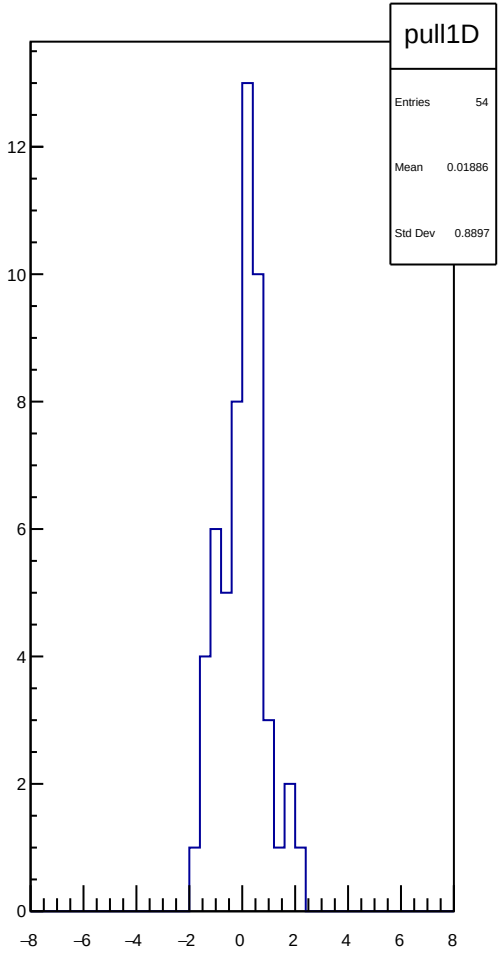

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 5.73e+04 / 53
p0 704 ± 0.7024
1300
1200
1100
1000
900
800
700
600
500

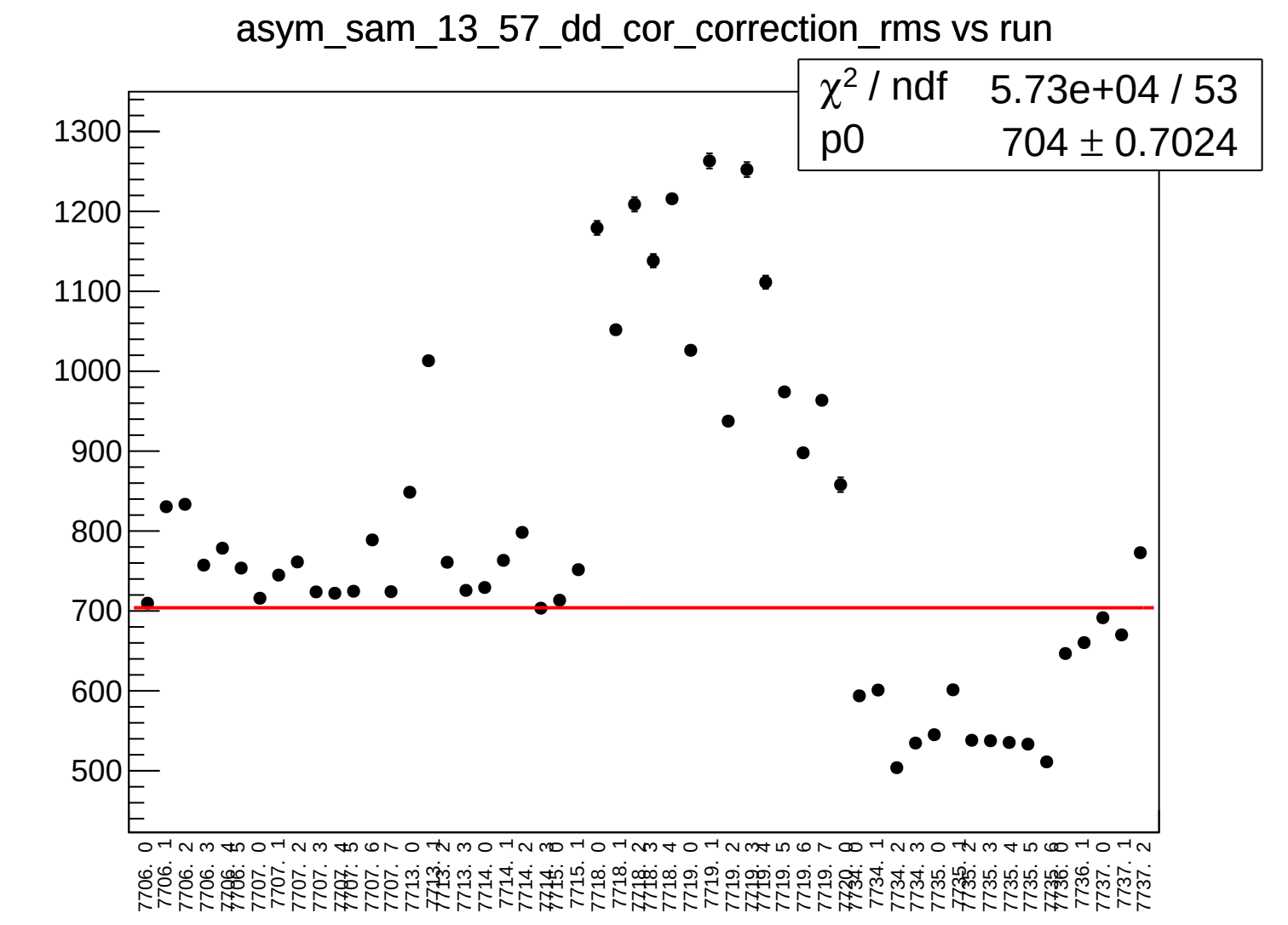

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.88 / 53
p0 98.59 ± 102.7
pull
Entries 54
Mean −110.3
Std Dev 0

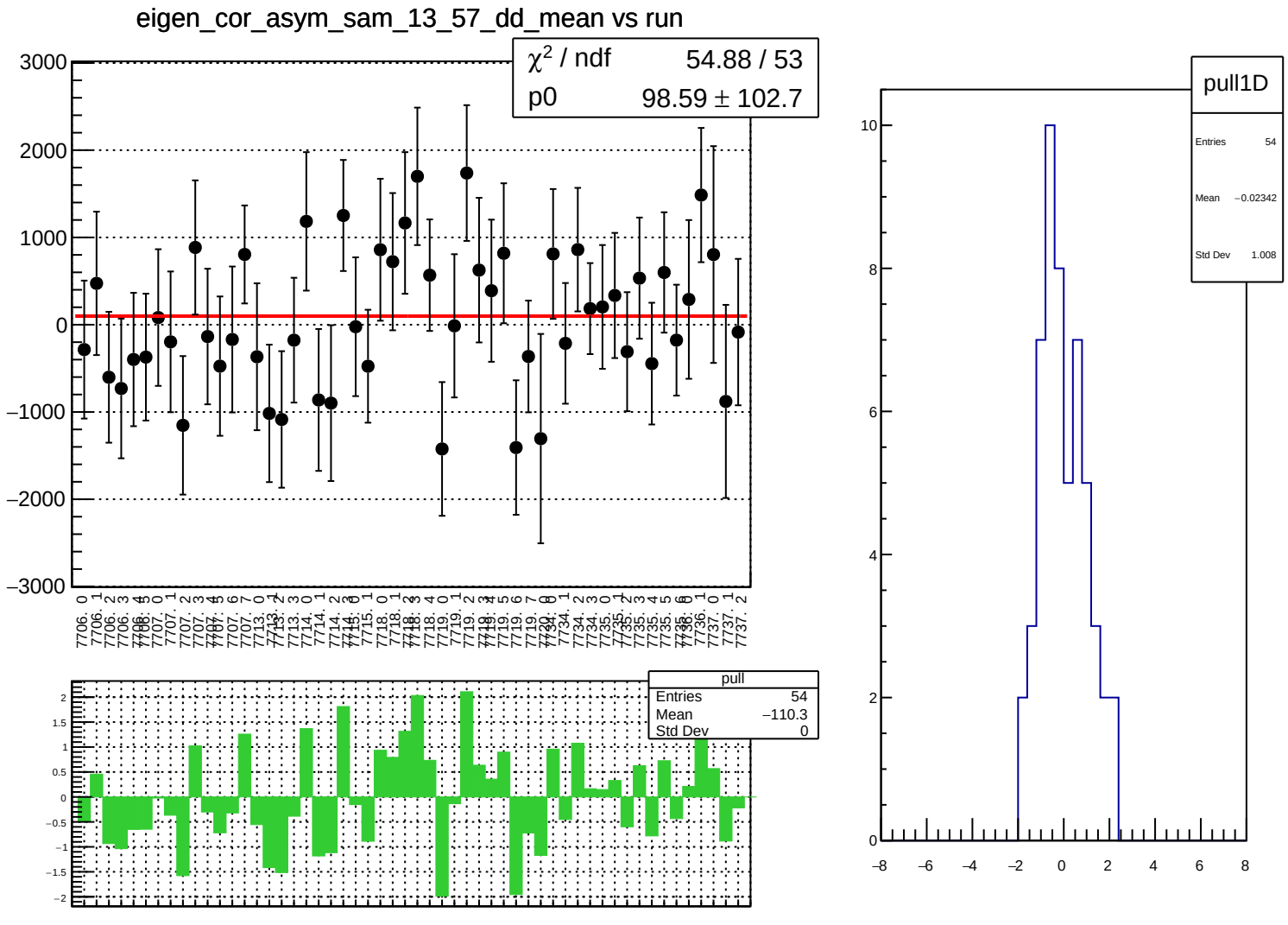

pull1D
Entries 54
Mean −0.02342
Std Dev 1.008

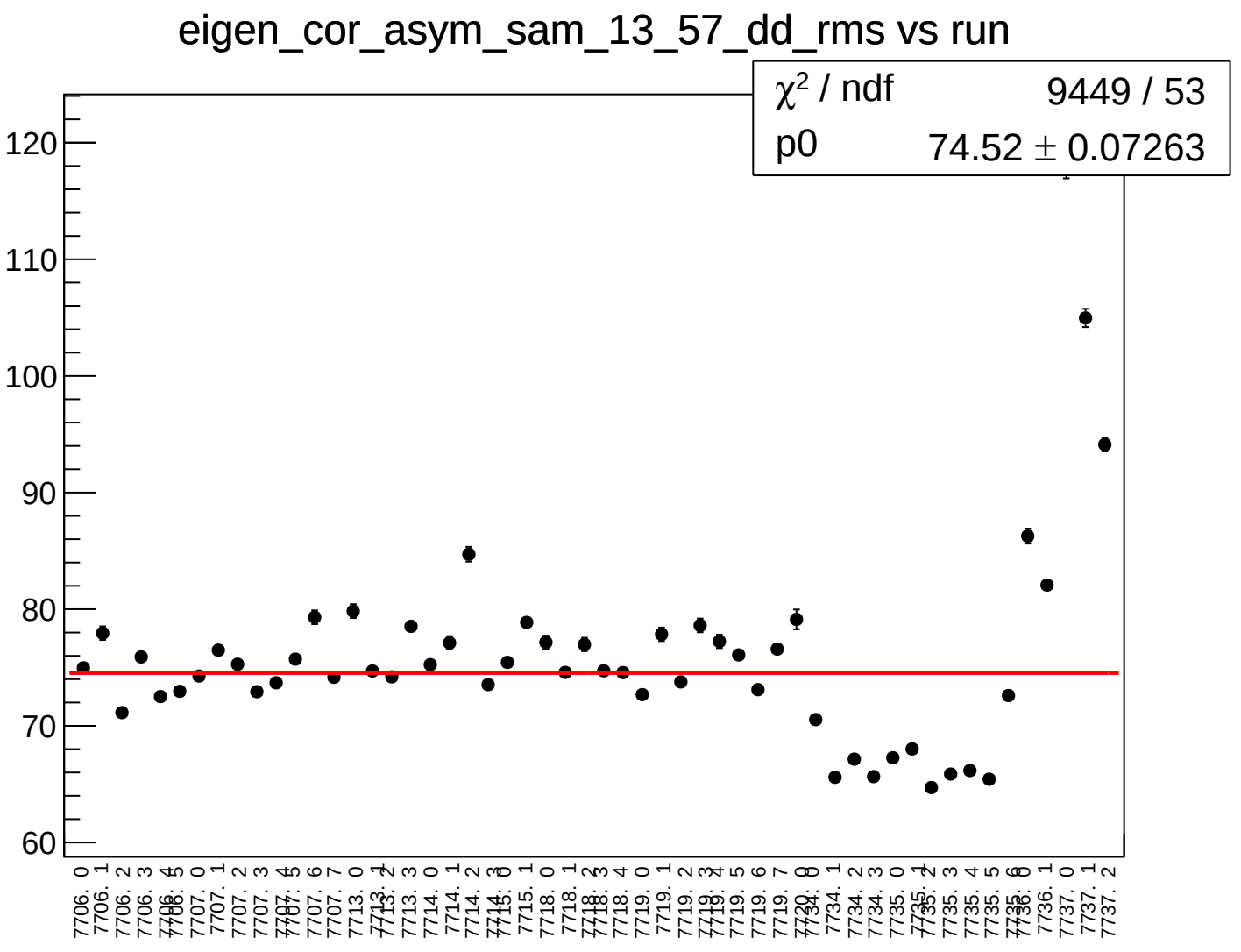

cor_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 9449 / 53
p0 74.52 ± 0.07263
120
110
100
90
80
70
60

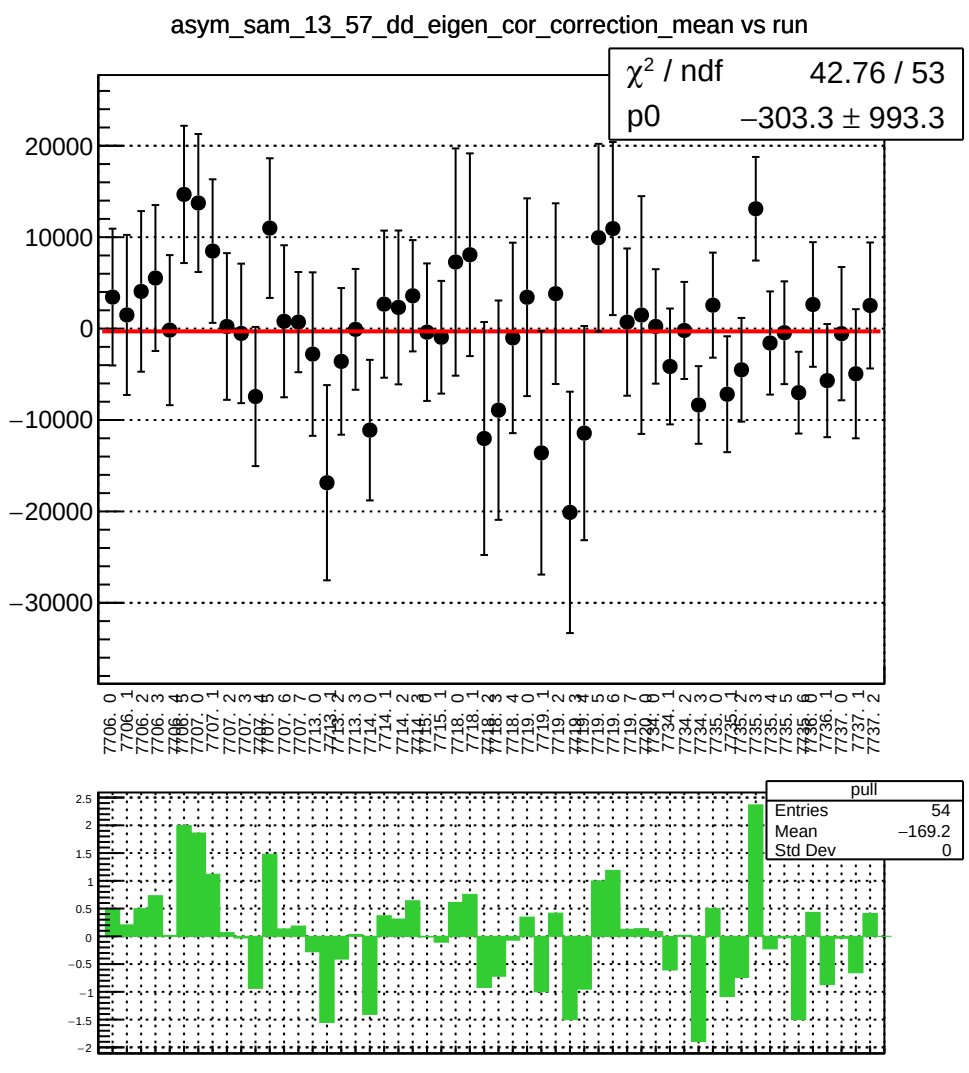

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 42.76 / 53
p0 −303.3 ± 993.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −169.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

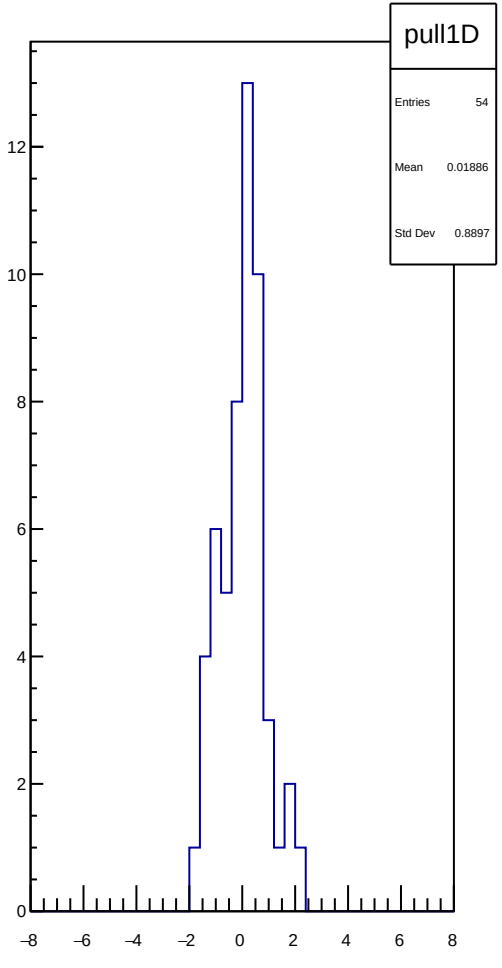

pull1D
Entries 54
Mean 0.01886
Std Dev 0.8897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

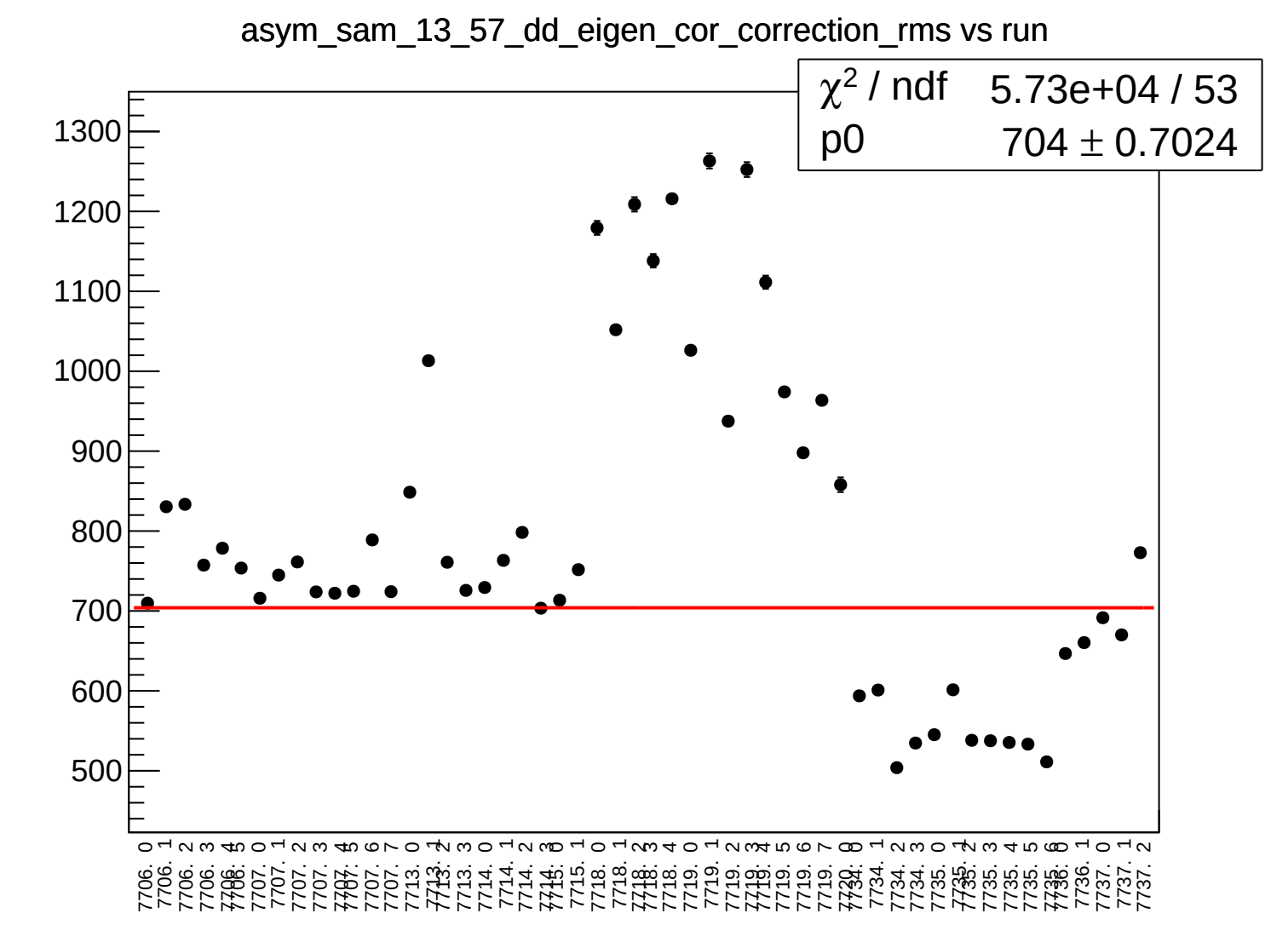

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 5.73e+04 / 53
p0 704 ± 0.7024
1300
1200
1100
1000
900
800
700
600
500

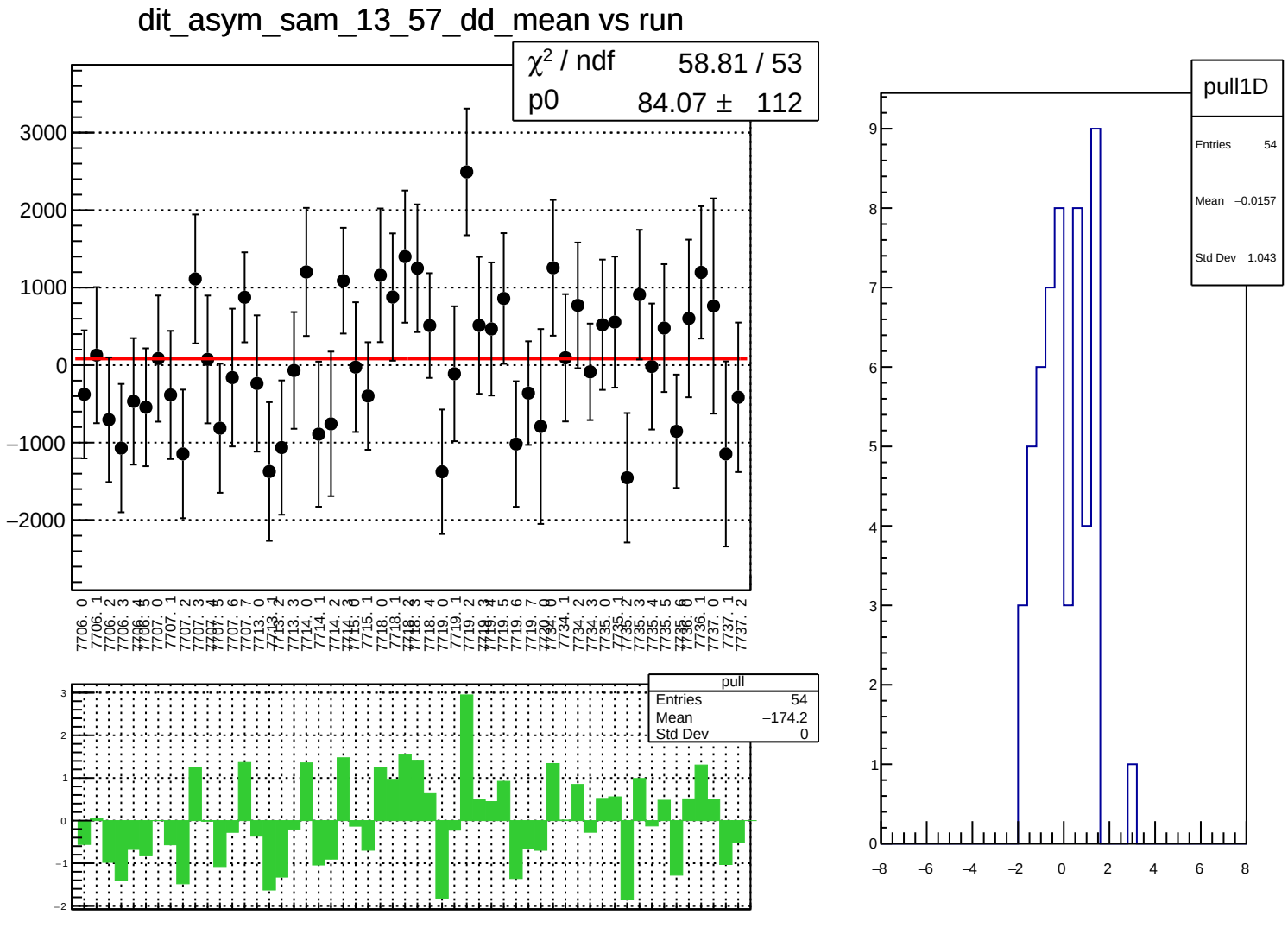

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 54.88 / 53
p0 98.59 ± 102.7
pull
Entries 54
Mean −110.3
Std Dev 0
pull1D
Entries 54
Mean −0.02342
Std Dev 1.008

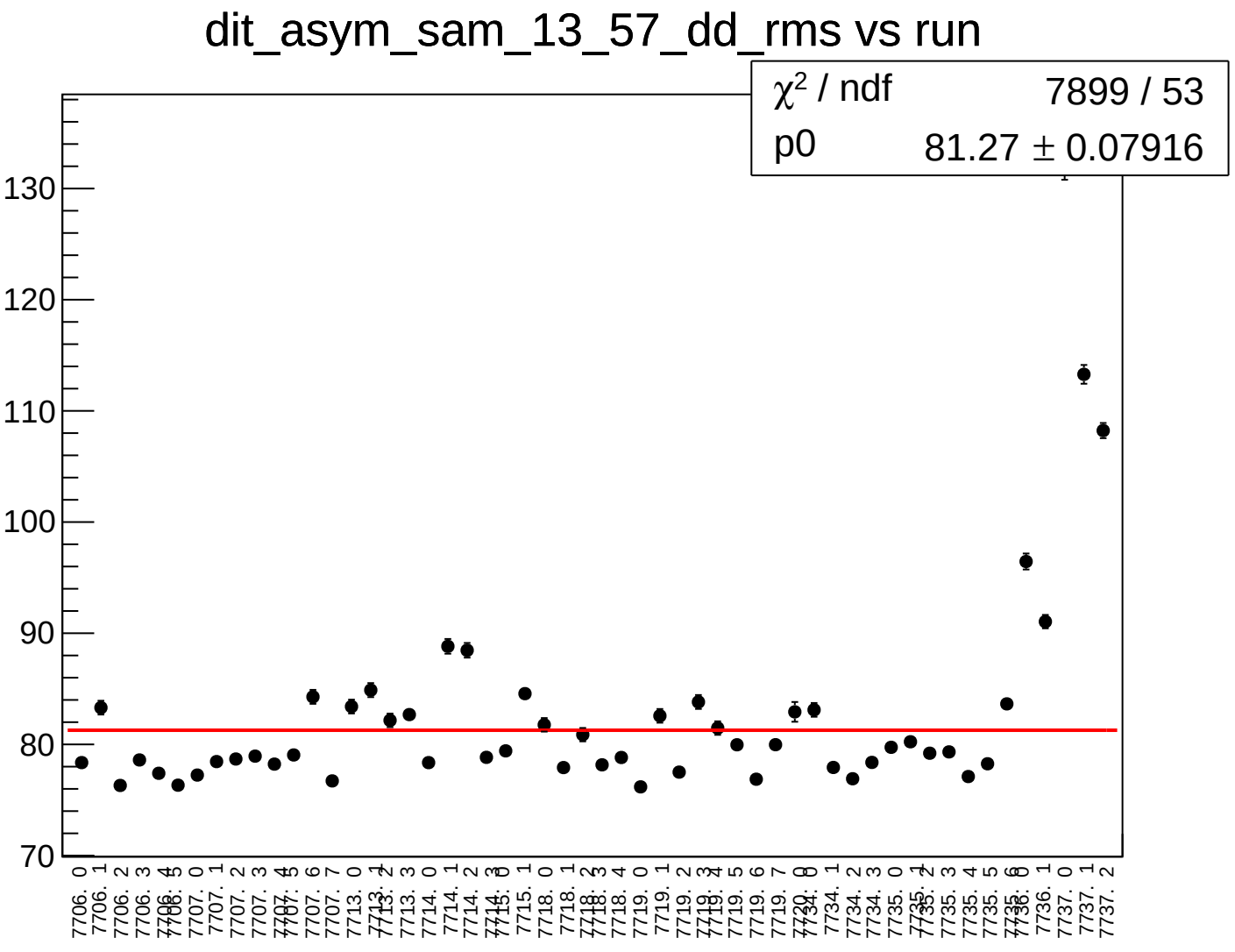

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 9449 / 53
p0 74.52 ± 0.07263
120
110
100
90
80
70
60

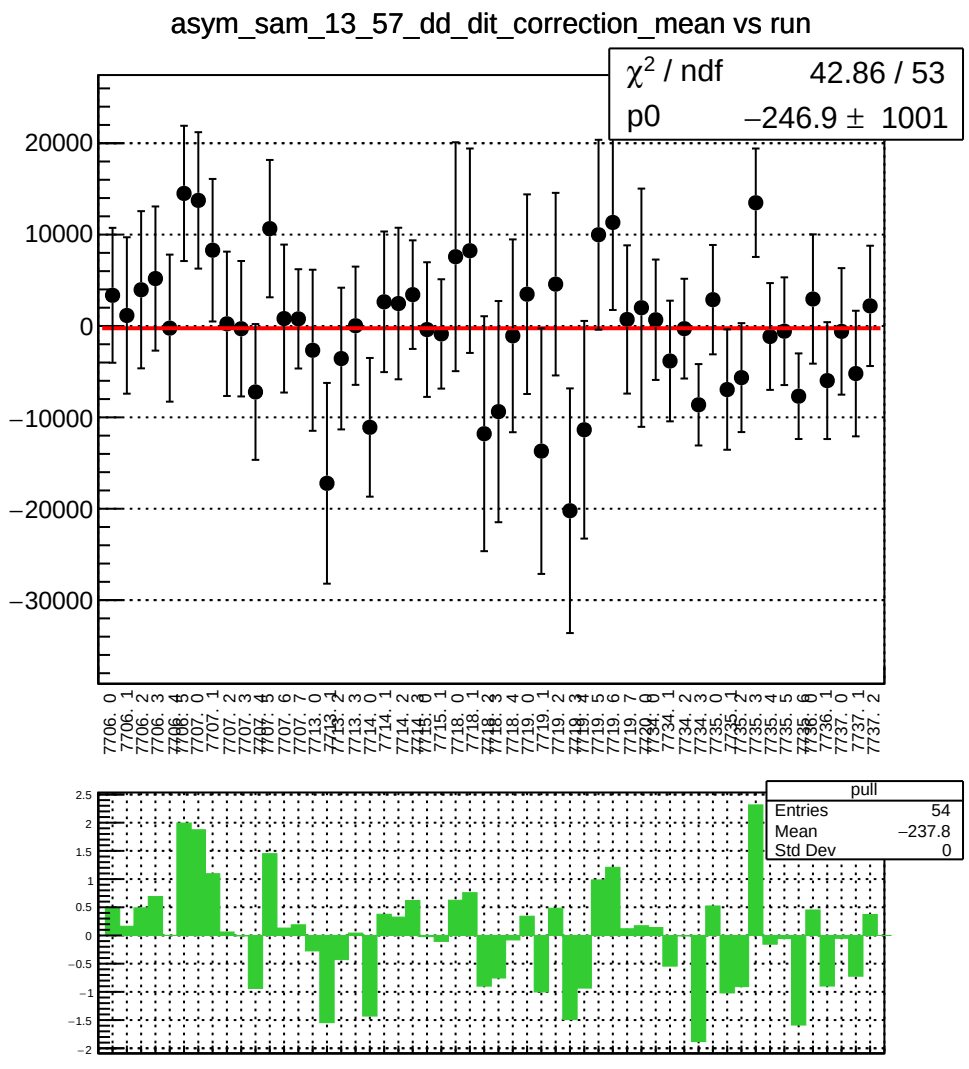

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.76 / 53
p0 −303.3 ± 993.3
pull
Entries 54
Mean −169.2
Std Dev 0

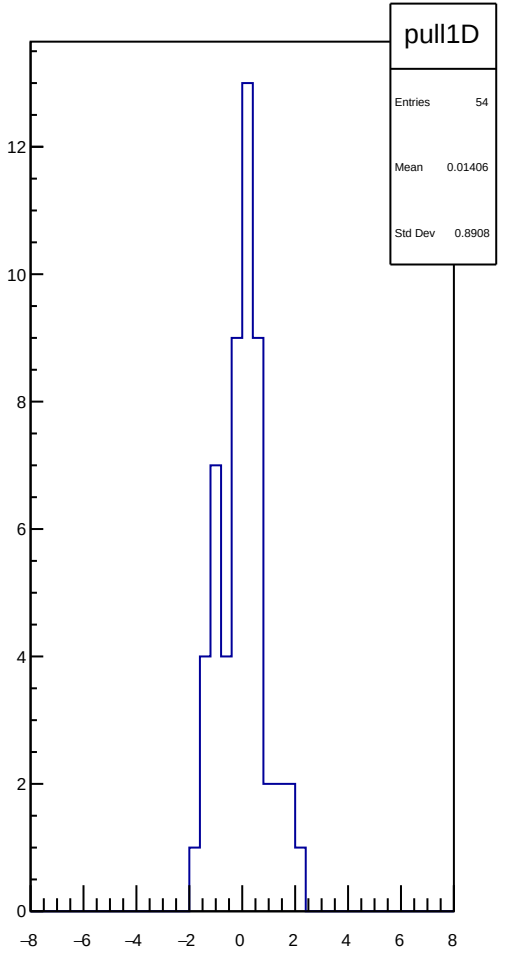

pull1D
Entries 54
Mean 0.01886
Std Dev 0.8897

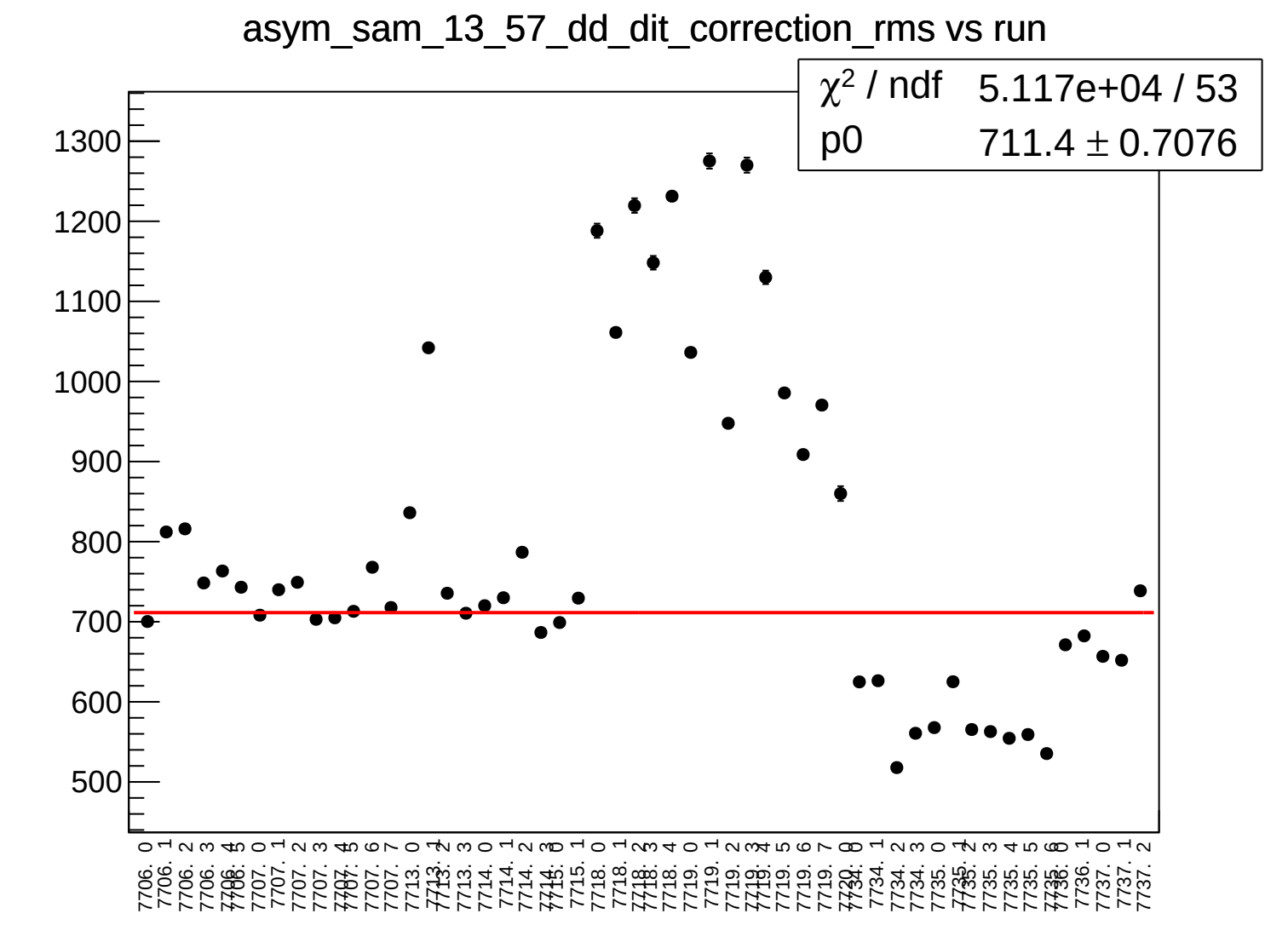

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.73e+04 / 53
p0 704 ± 0.7024
1300
1200
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

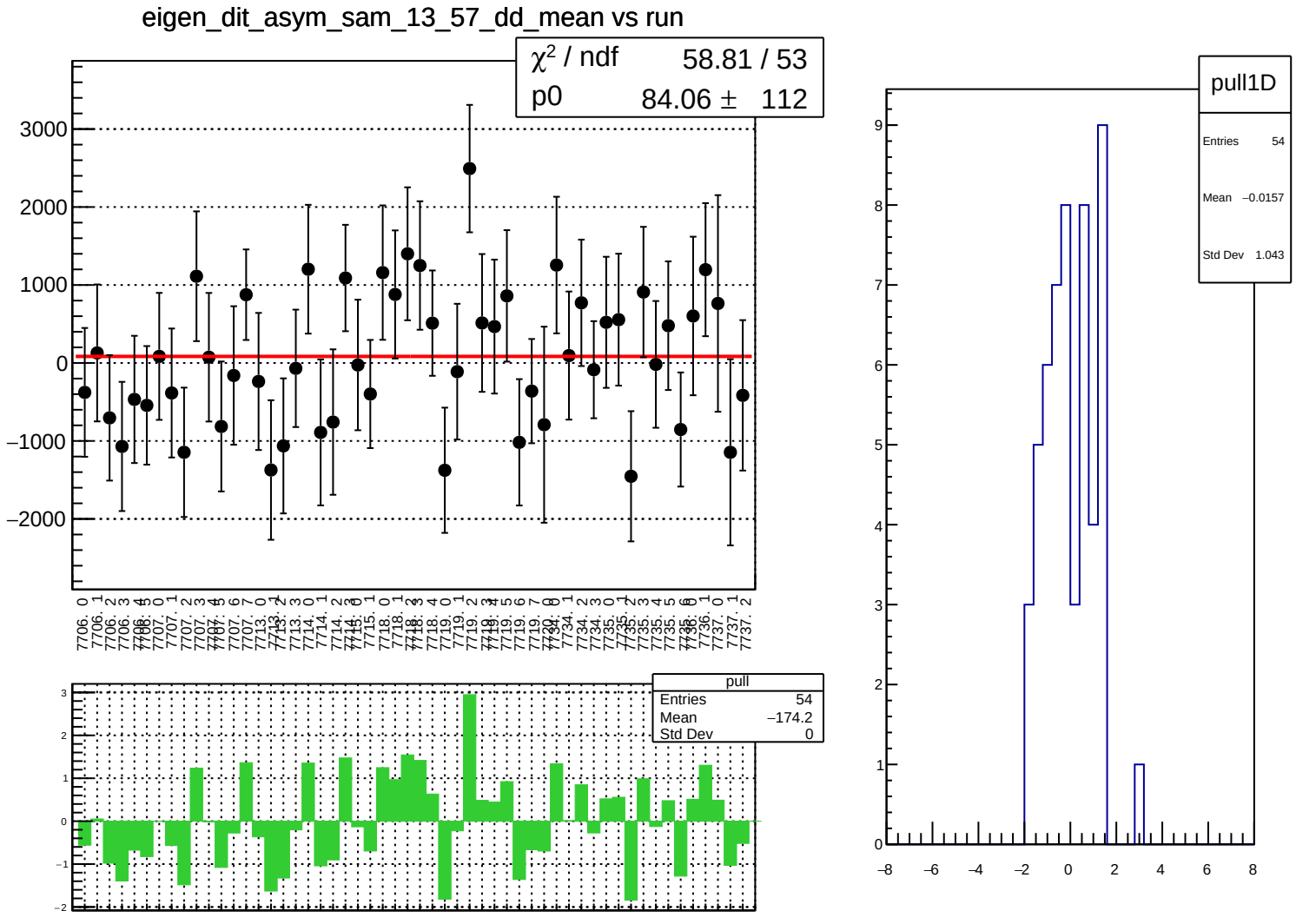

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.81 / 53
p0 84.07 ± 112
3000
2000
1000
0
−1000
−2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −174.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.0157
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

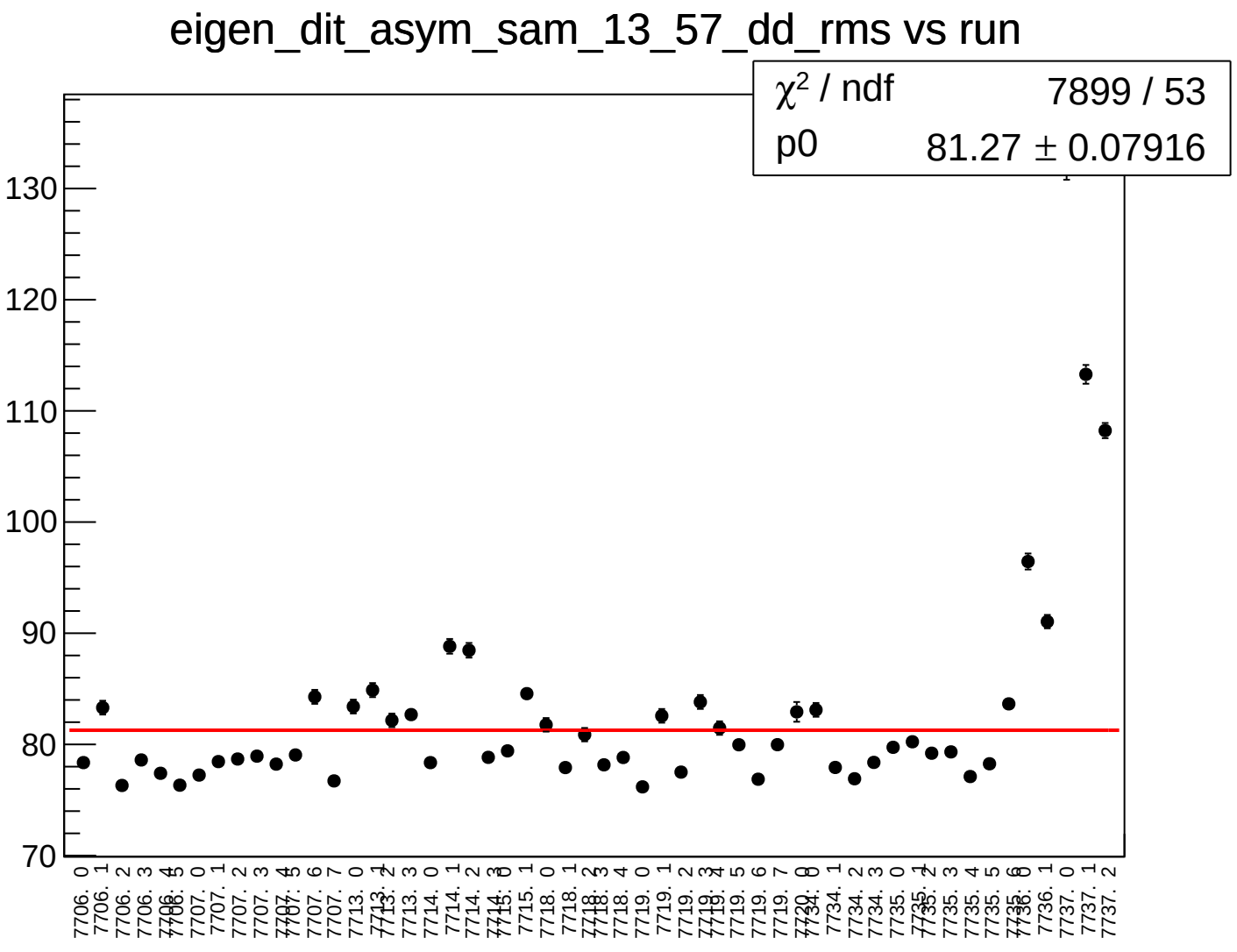

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 7899 / 53
p0 81.27 ± 0.07916
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

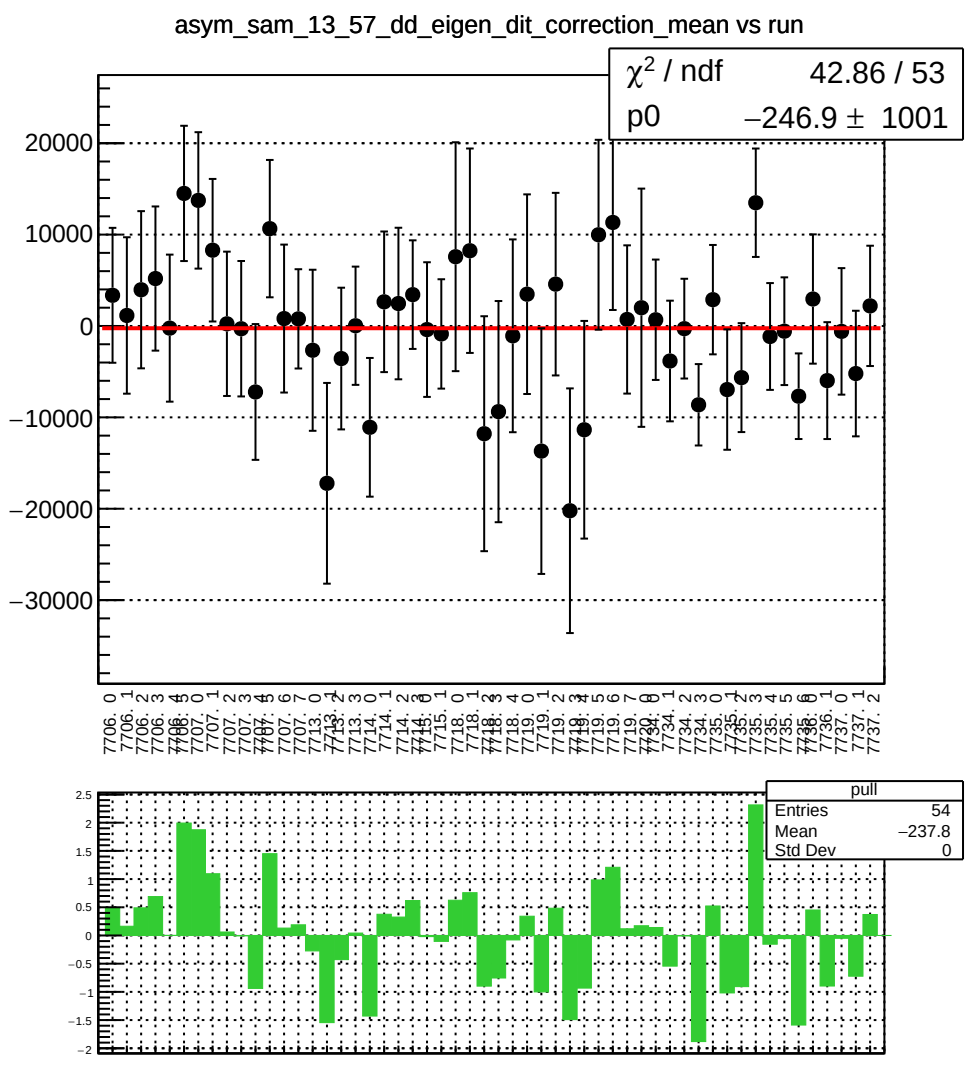

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 42.86 / 53
p0 −246.9 ± 1001
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −237.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

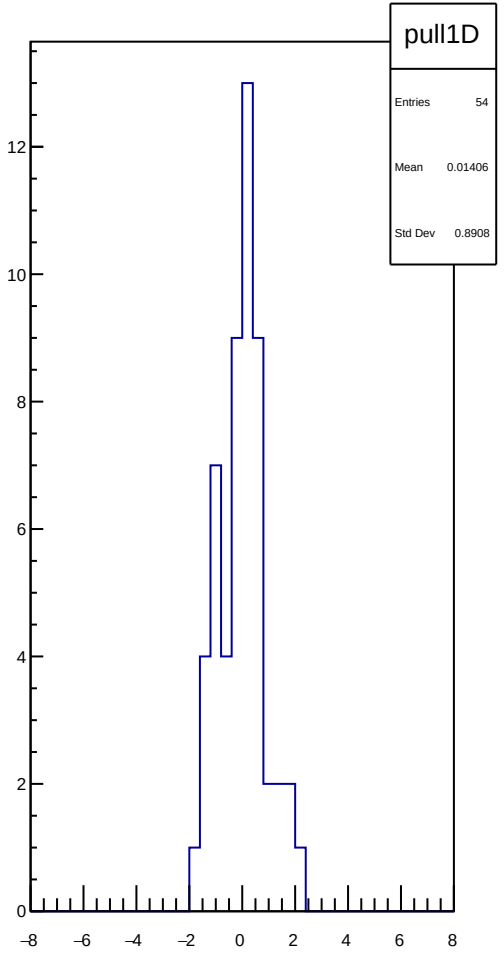

pull1D
Entries 54
Mean 0.01406
Std Dev 0.8908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

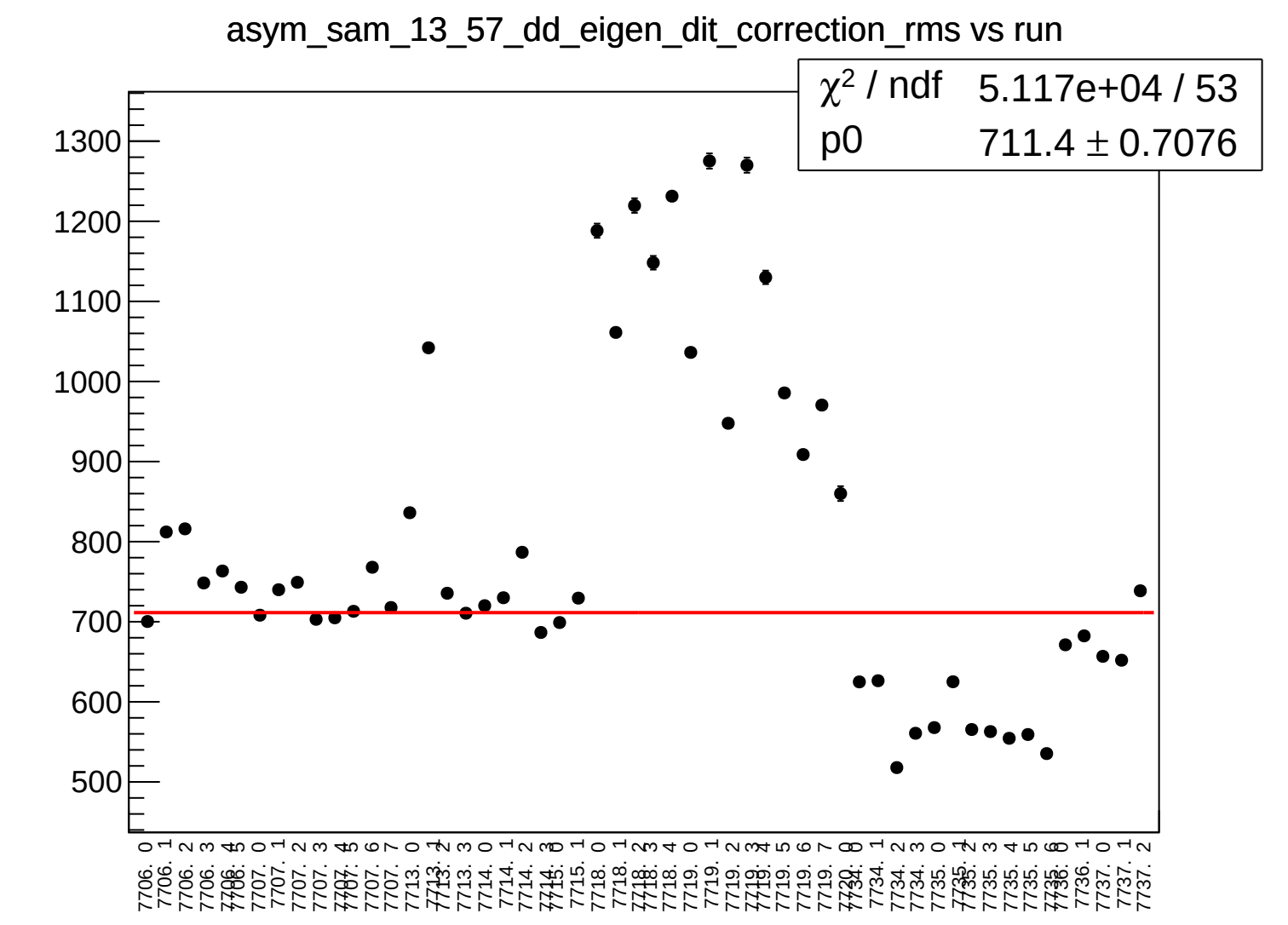

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 5.117e+04 / 53
p0 711.4 ± 0.7076
1300
1200
1100
1000
900
800
700
600
500

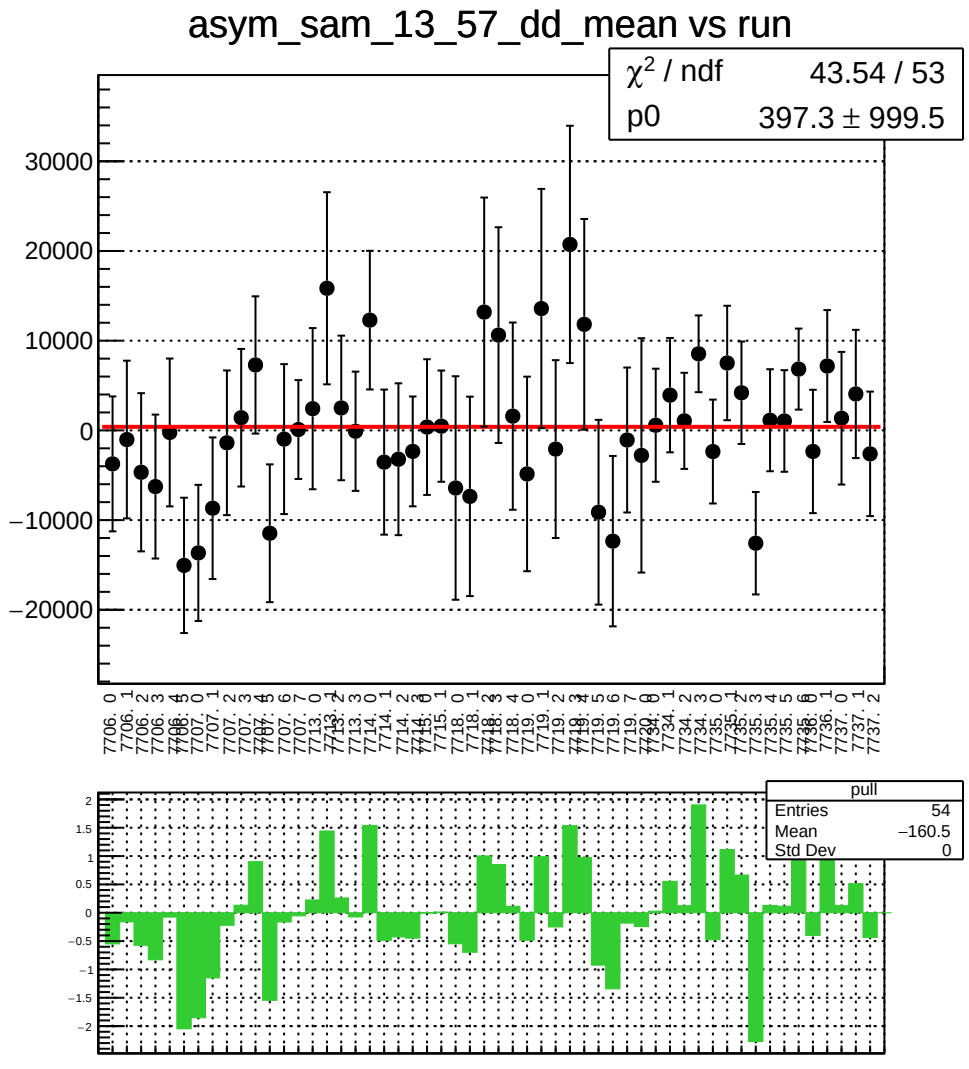

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.81 / 53
p0 84.06 ± 112
3000
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −174.2
Std Dev 0
pull1D
Entries 54
Mean −0.0157
Std Dev 1.043

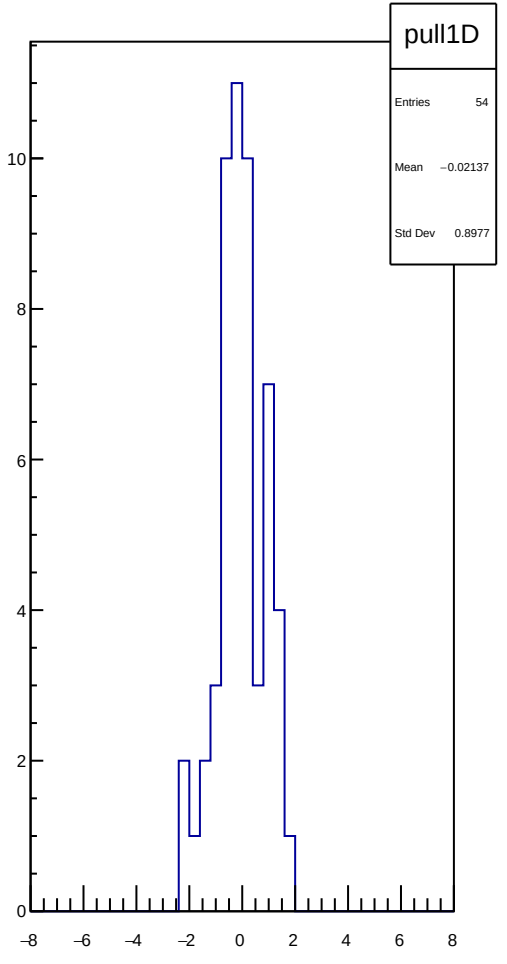

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 7899 / 53
p0 81.27 ± 0.07916
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

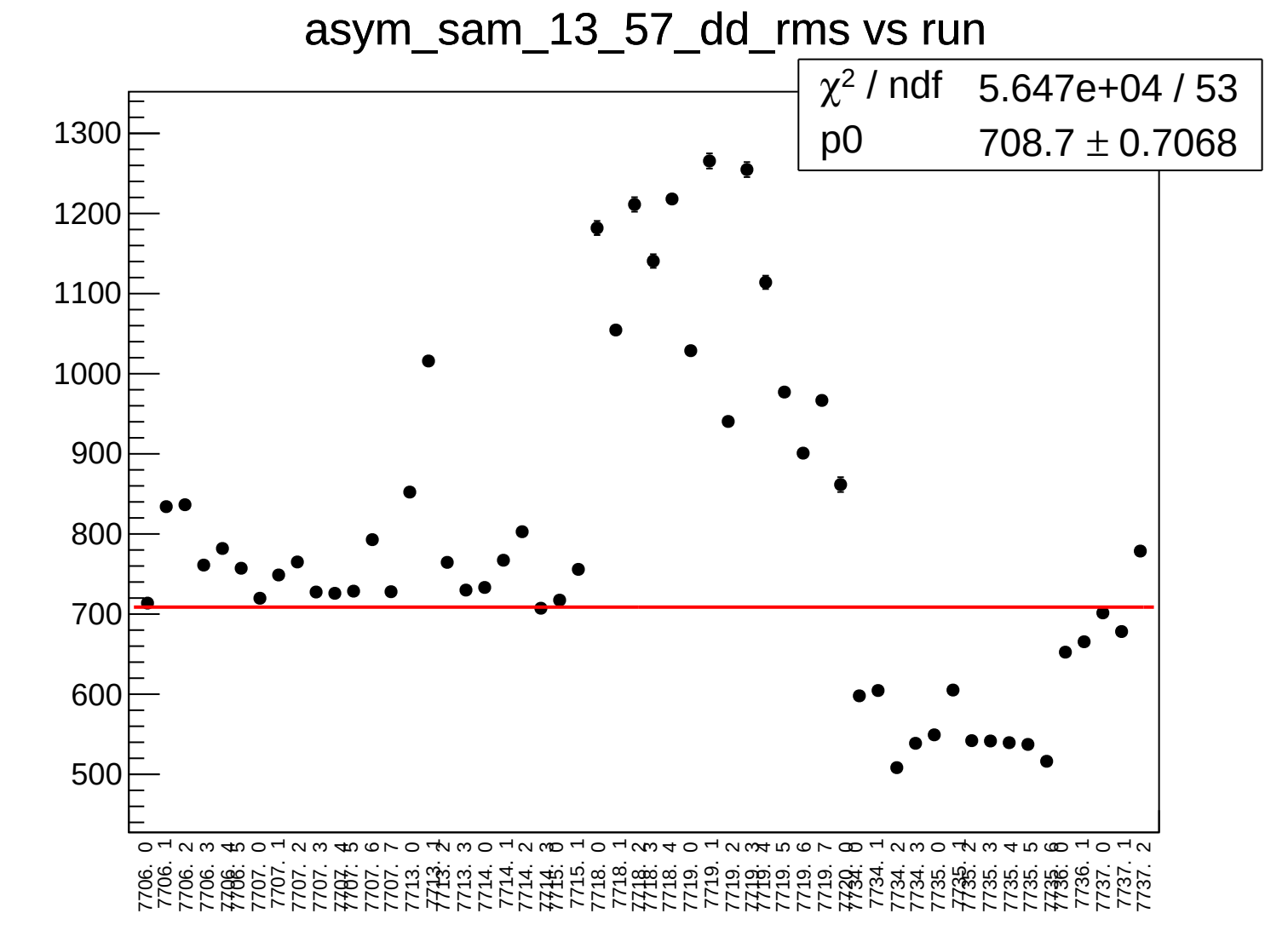

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.86 / 53
p0 −246.9 ± 1001
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −237.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

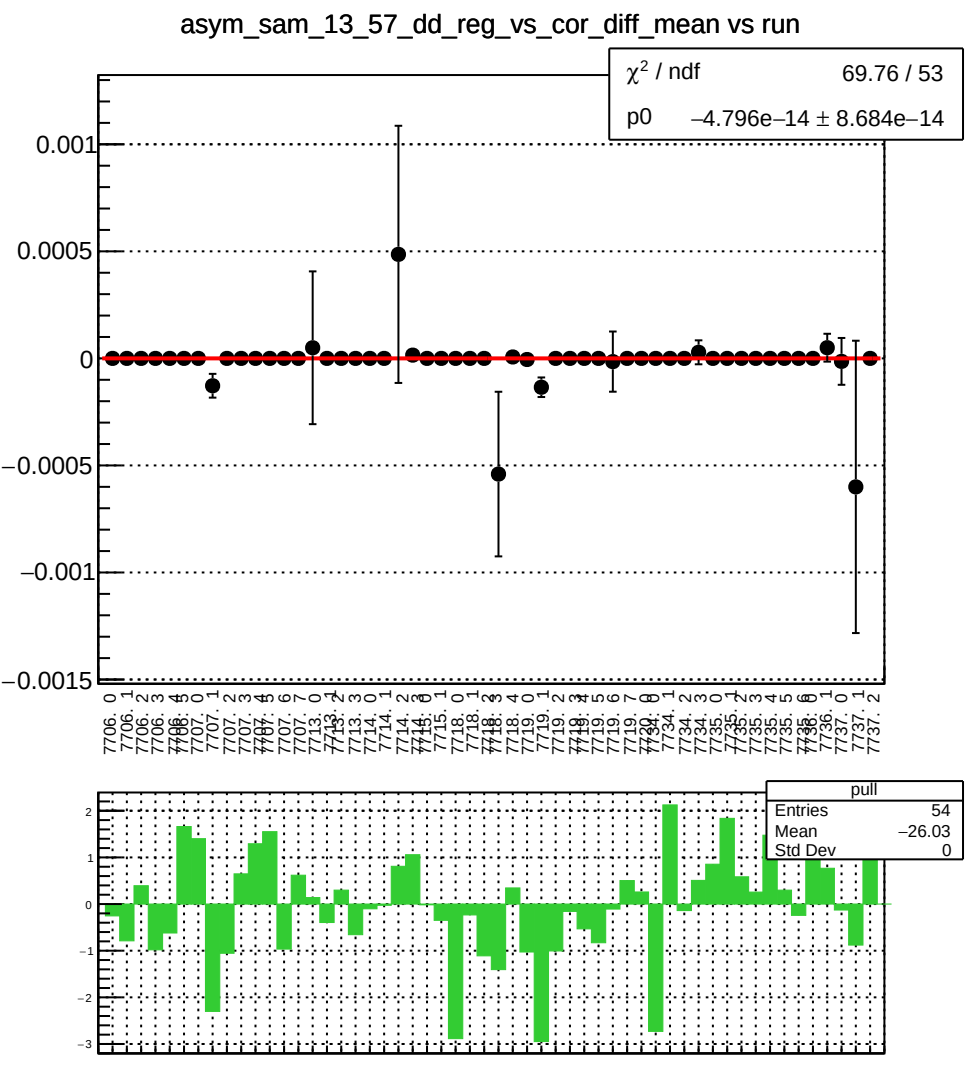

pull1D
Entries 54
Mean 0.01406
Std Dev 0.8908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

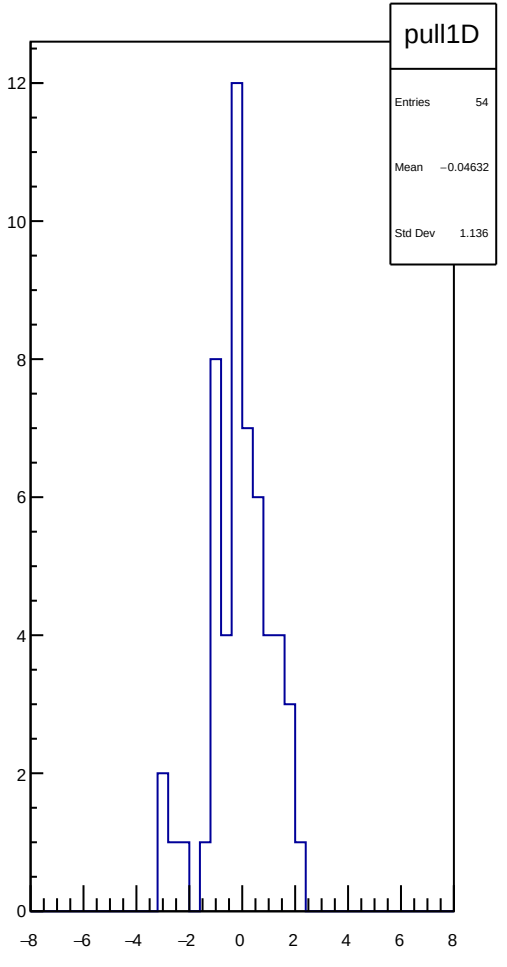

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.117e+04 / 53
p0 711.4 ± 0.7076
1300
1200
1100
1000
900
800
700
600
500

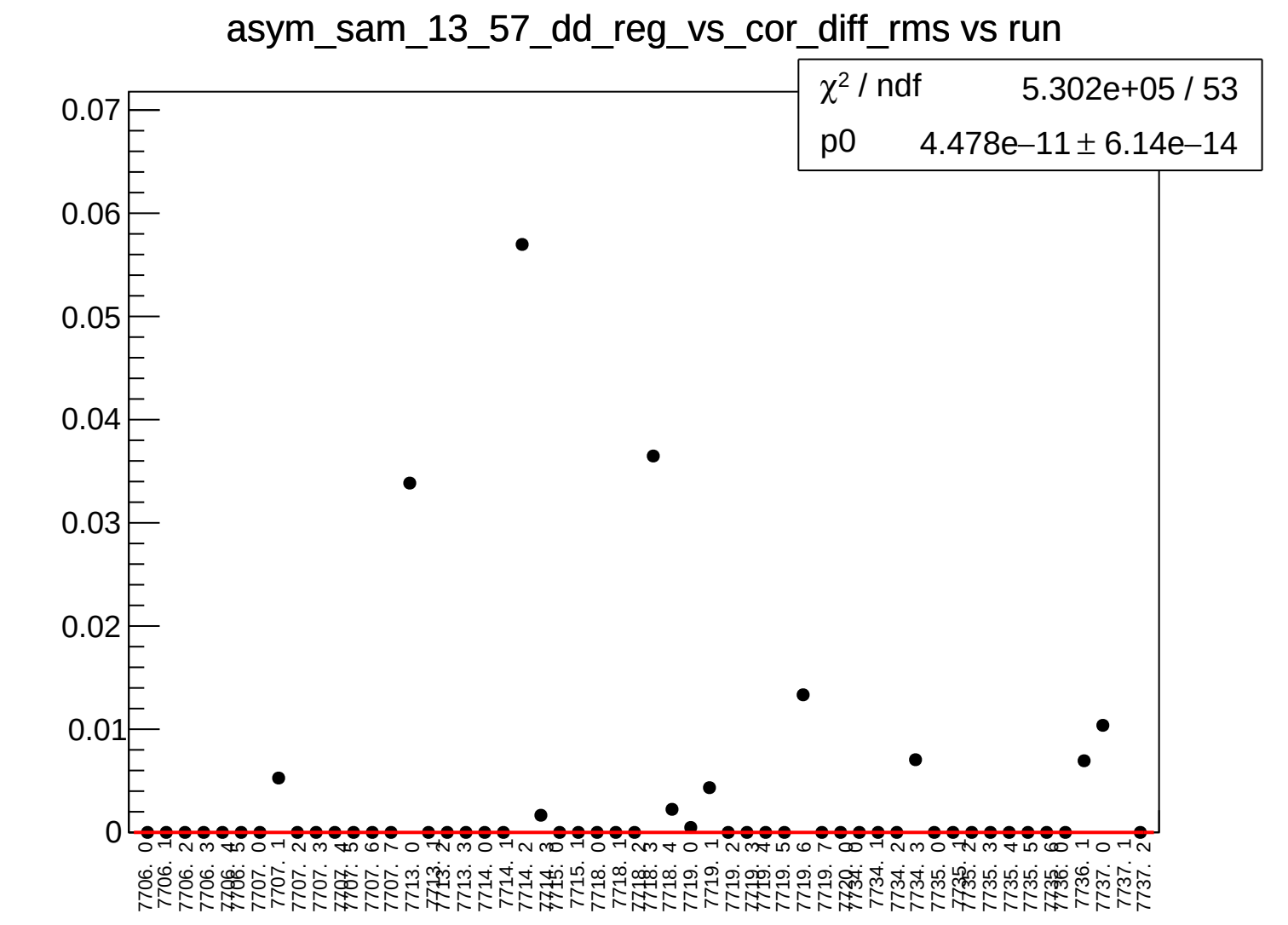

asym_sam_13_57_dd_mean vs run
χ² / ndf 43.54 / 53
p0 397.3 ± 999.5
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −160.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

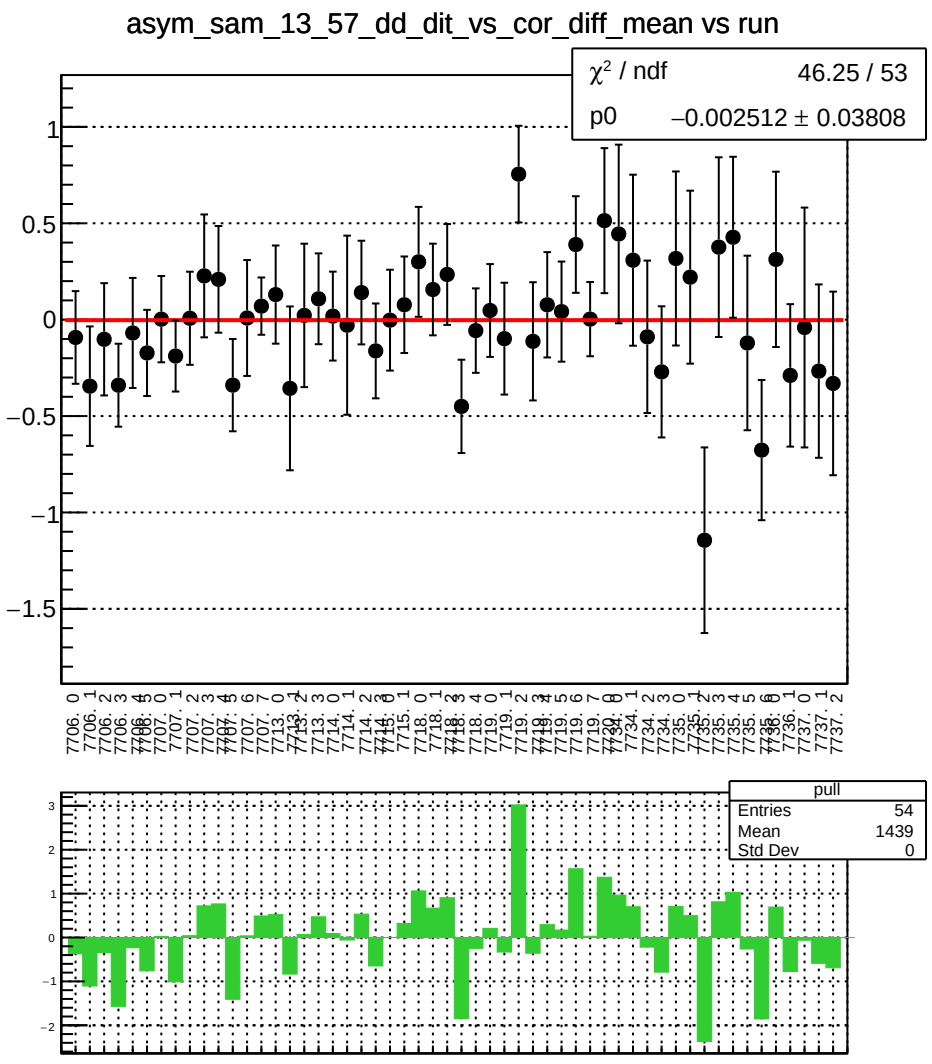

pull1D
Entries 54
Mean −0.02137
Std Dev 0.8977
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

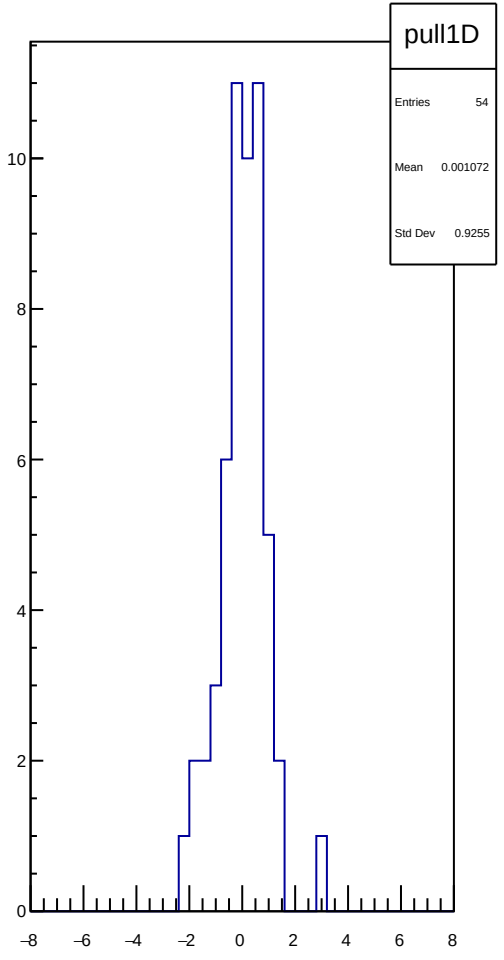

asym_sam_13_57_dd_rms vs run
χ² / ndf 5.647e+04 / 53
p0 708.7 ± 0.7068
1300
1200
1100
1000
900
800
700
600
500

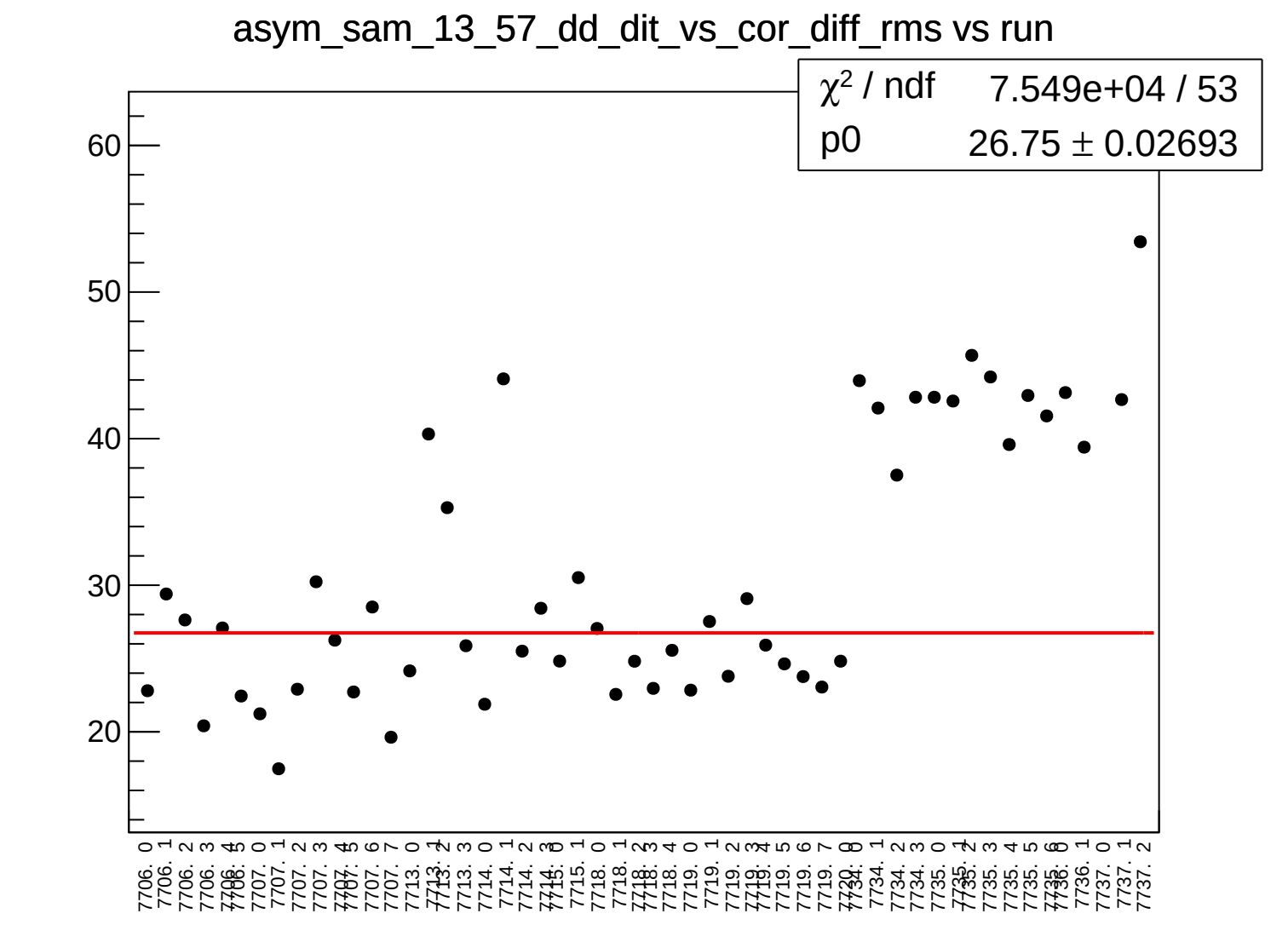

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.76 / 53
p0 −4.796e−14 ± 8.684e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean −26.03
Std Dev 0

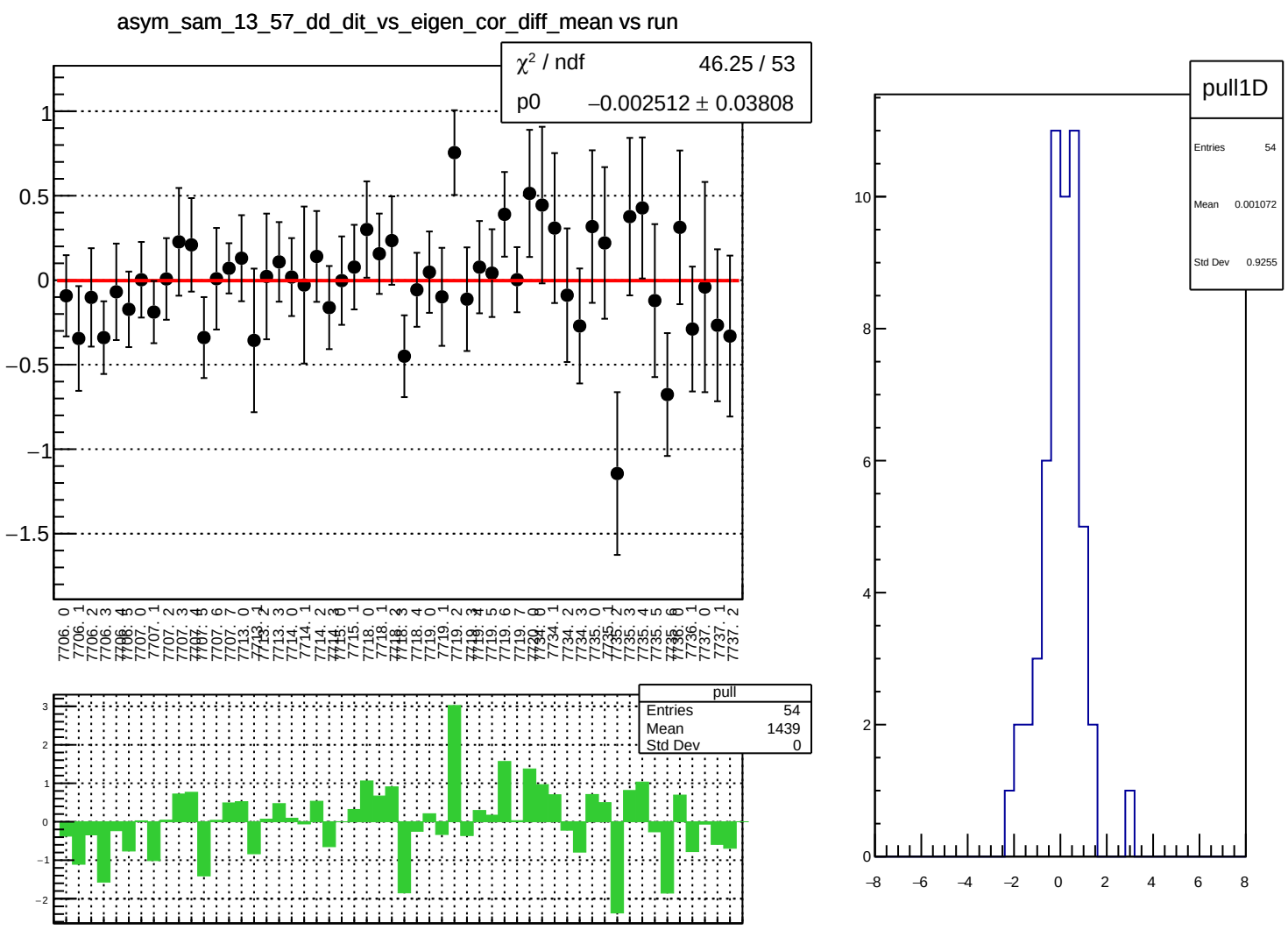

pull1D
Entries 54
Mean −0.04632
Std Dev 1.136

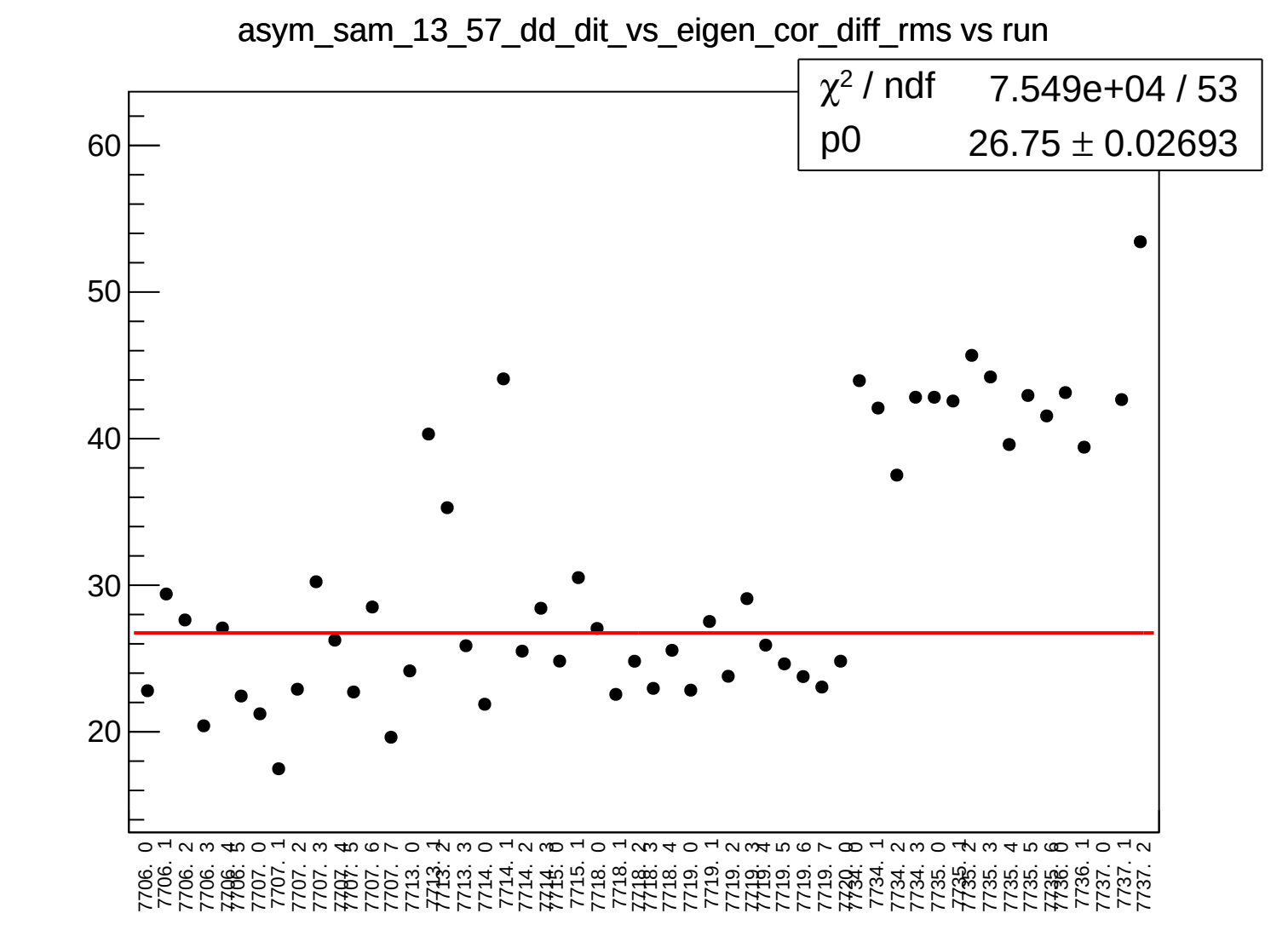

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.302e+05 / 53
p0 4.478e−11 ± 6.14e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

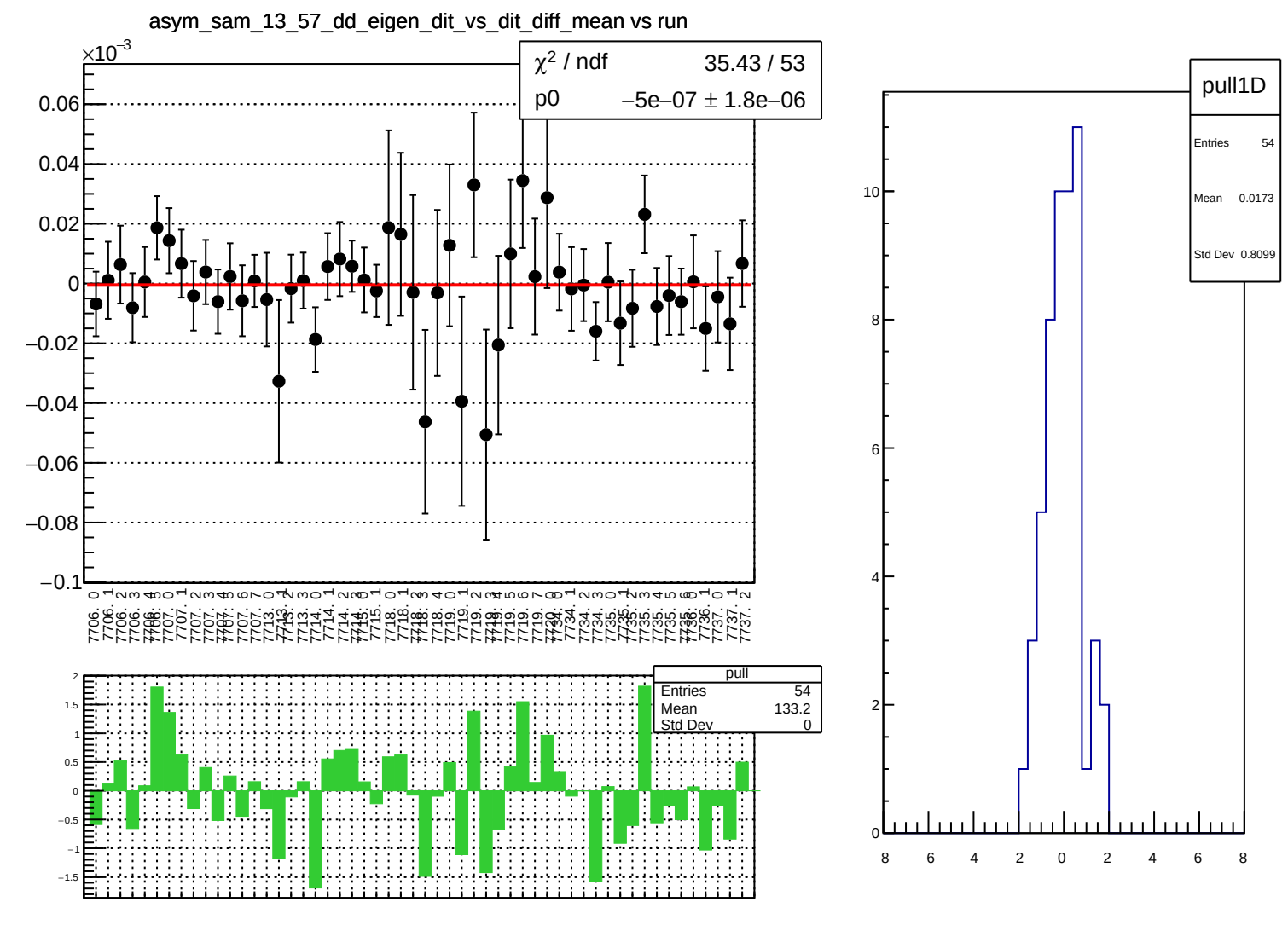

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.25 / 53
p0 −0.002512 ± 0.03808
pull
Entries 54
Mean 1439
Std Dev 0

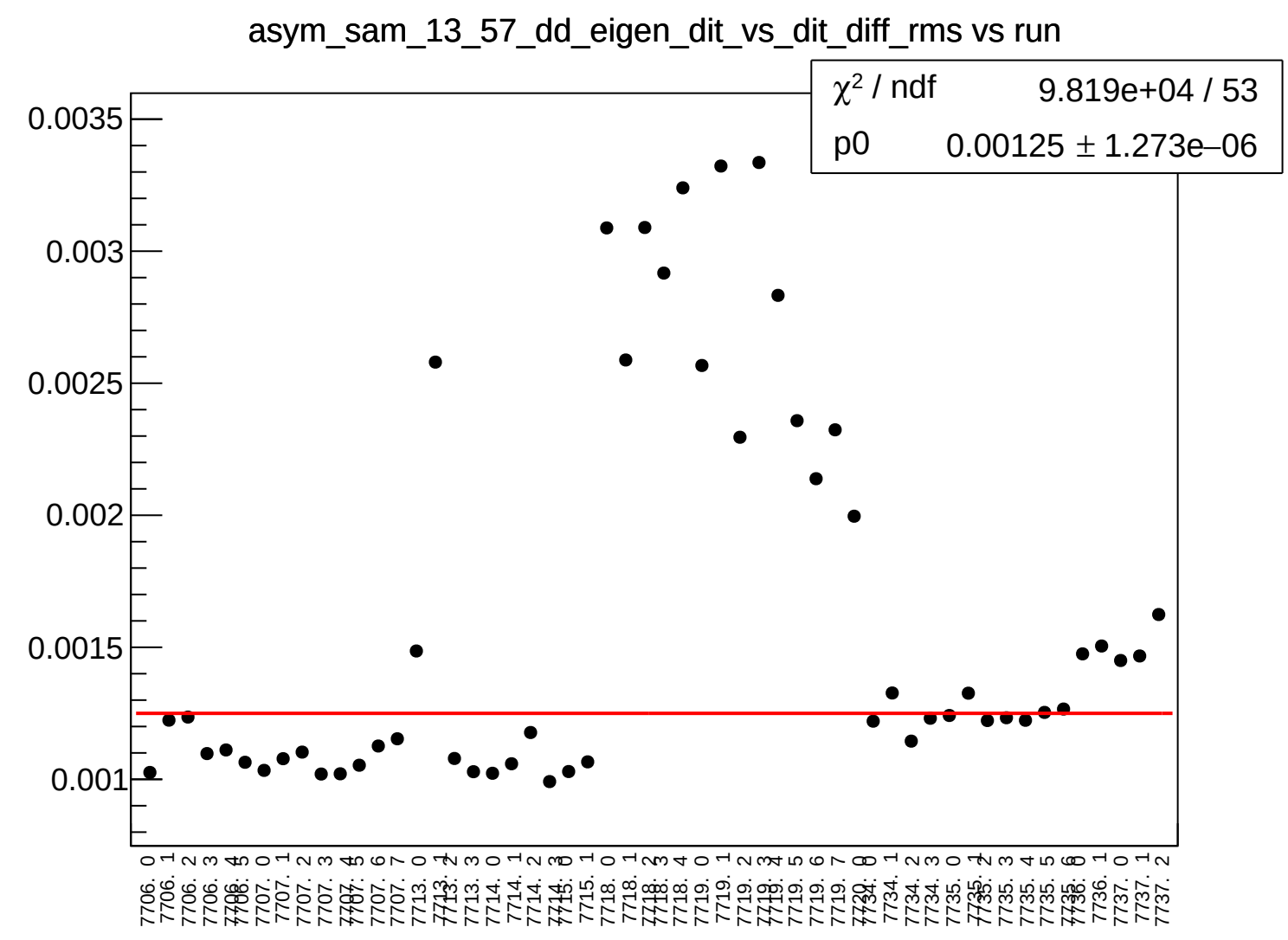

pull1D
Entries 54
Mean 0.001072
Std Dev 0.9255

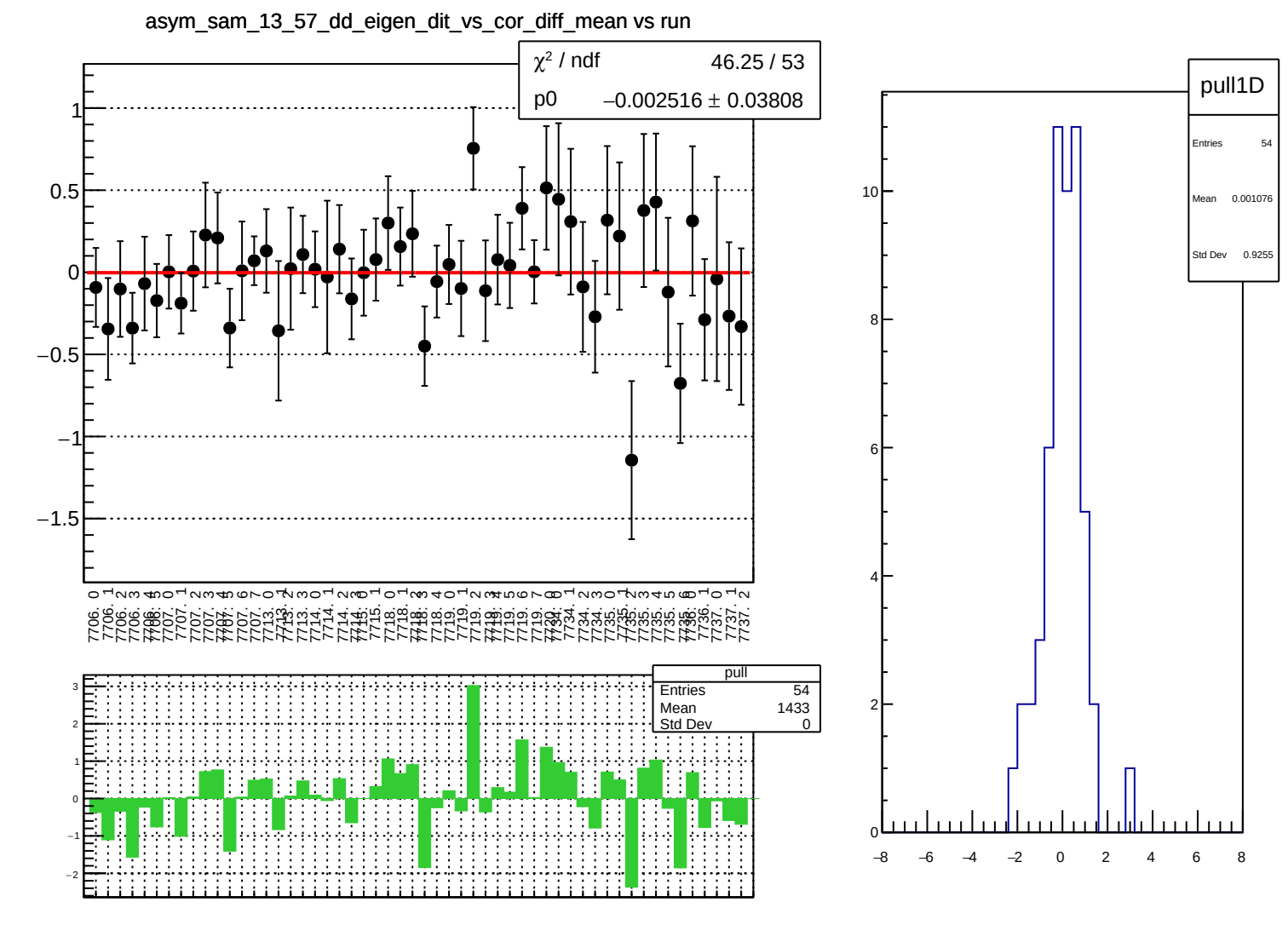

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.549e+04 / 53
p0 26.75 ± 0.02693
60
50
40
30
20

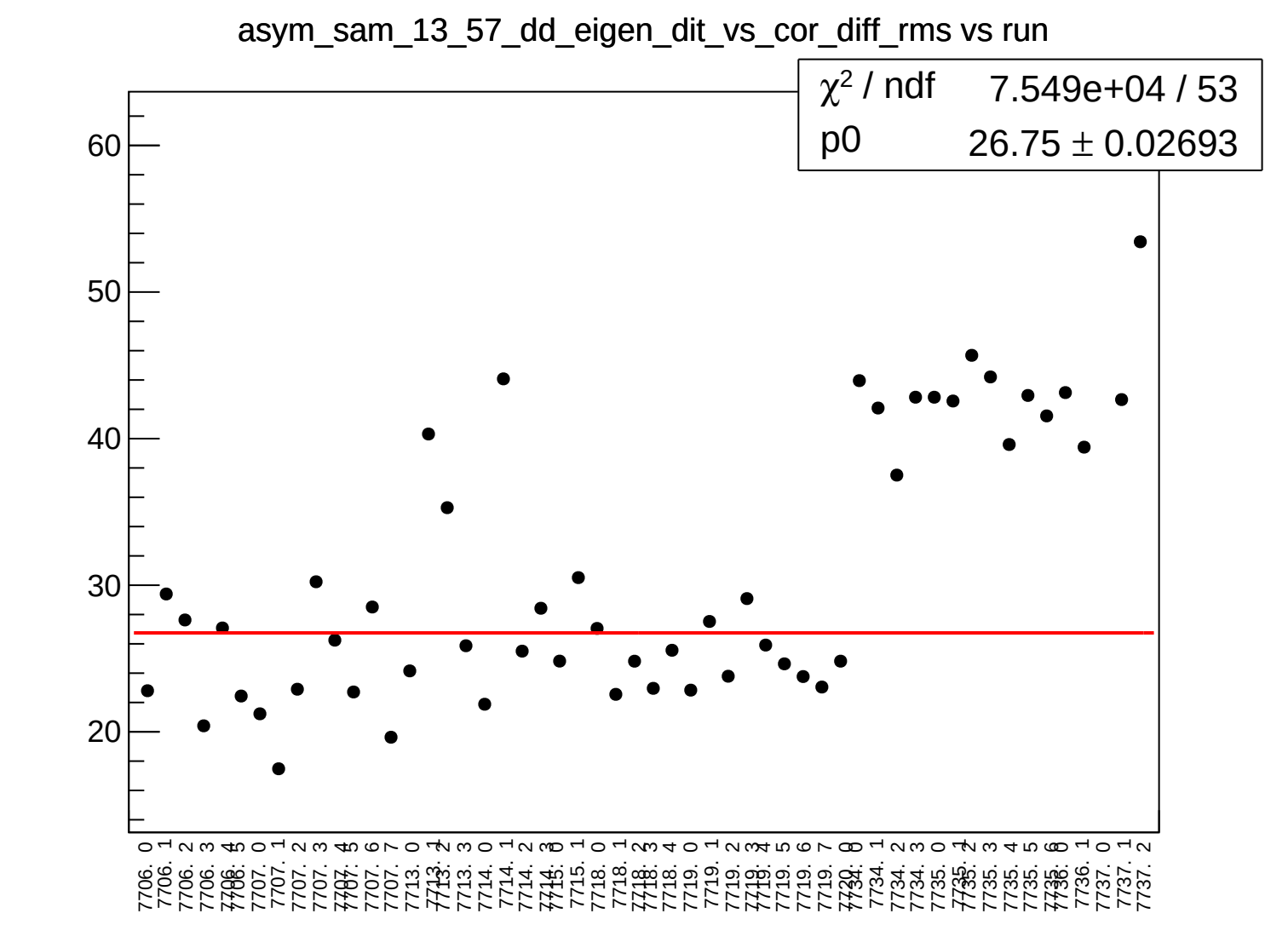

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.25 / 53
p0 −0.002512 ± 0.03808
pull
Entries 54
Mean 1439
Std Dev 0
pull1D
Entries 54
Mean 0.001072
Std Dev 0.9255

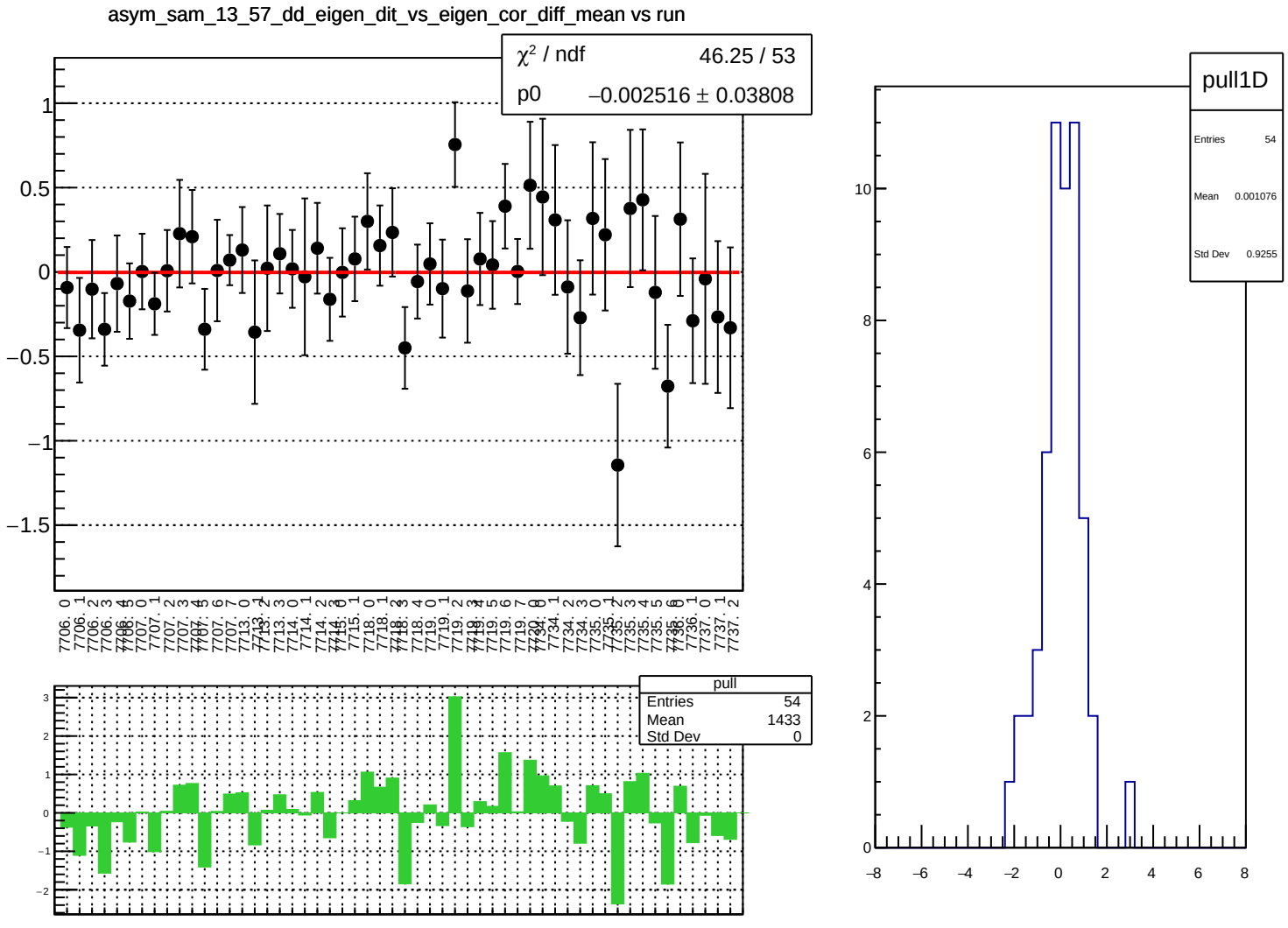

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.549e+04 / 53
p0 26.75 ± 0.02693
60
50
40
30
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

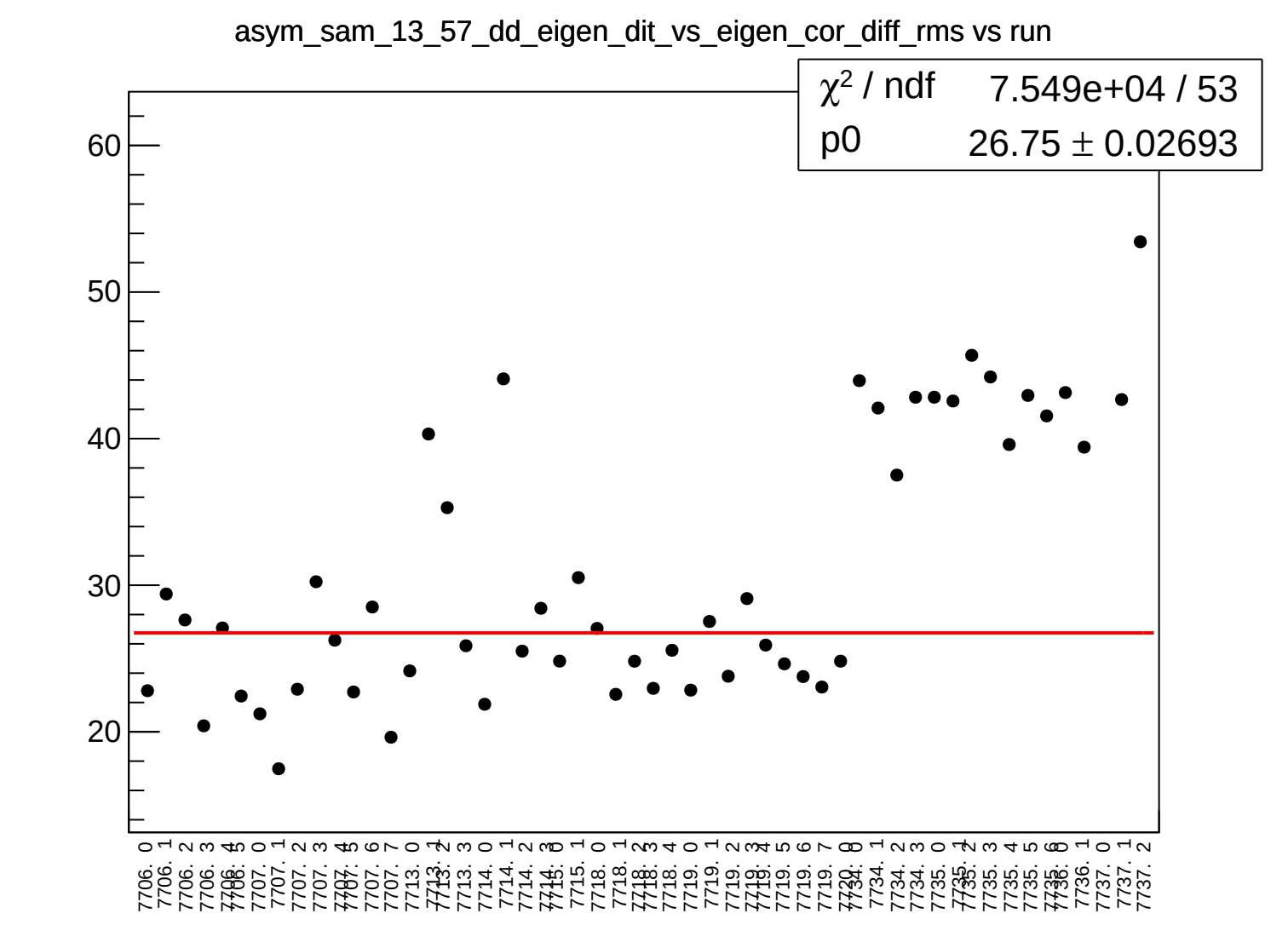

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 35.43 / 53
p0 −5e−07 ± 1.8e−06
pull
Entries 54
Mean 133.2
Std Dev 0
pull1D
Entries 54
Mean −0.0173
Std Dev 0.8099

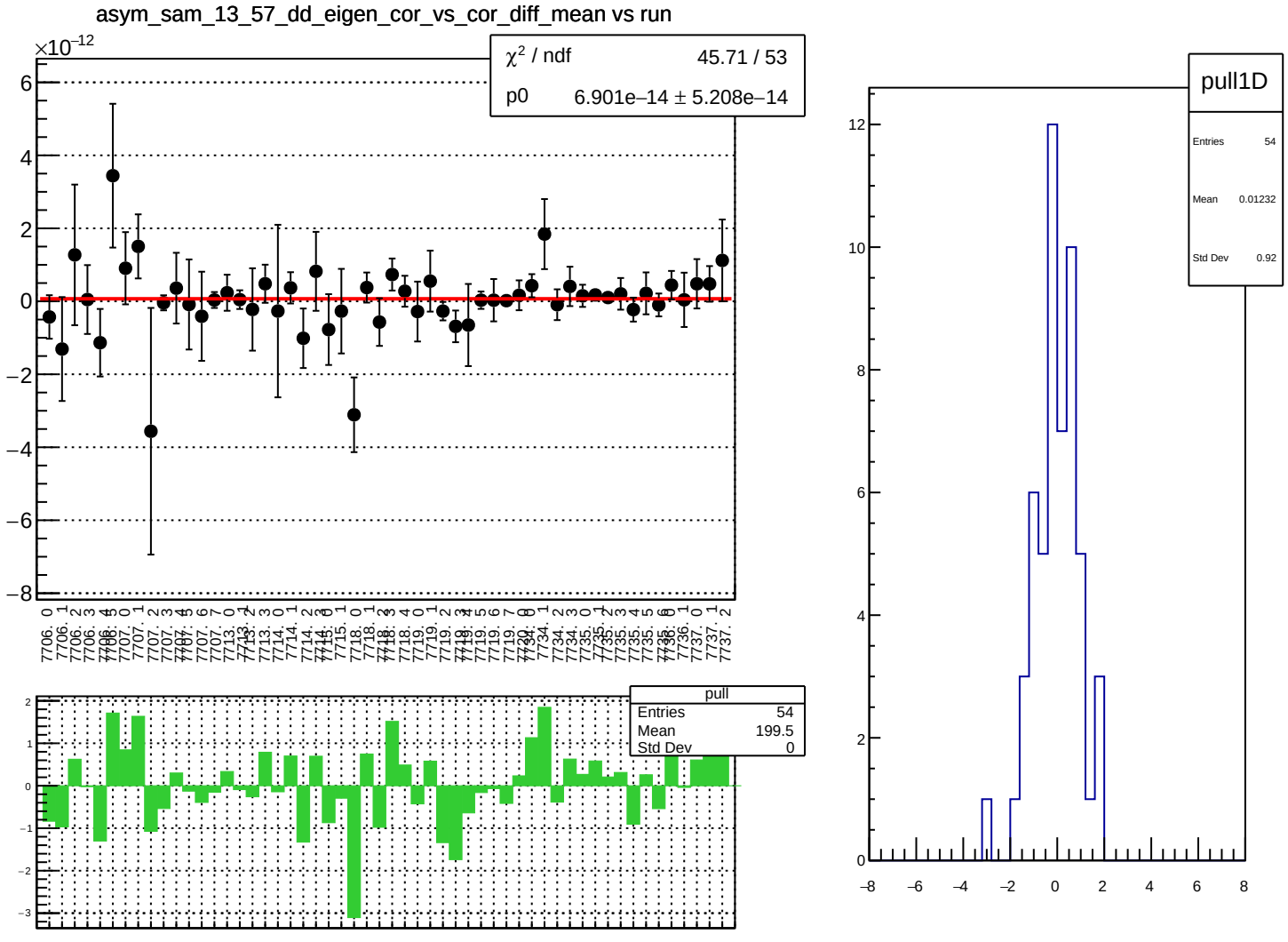

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.819e+04 / 53
p0 0.00125 ± 1.273e–06
0.0035
0.003
0.0025
0.002
0.0015
0.001

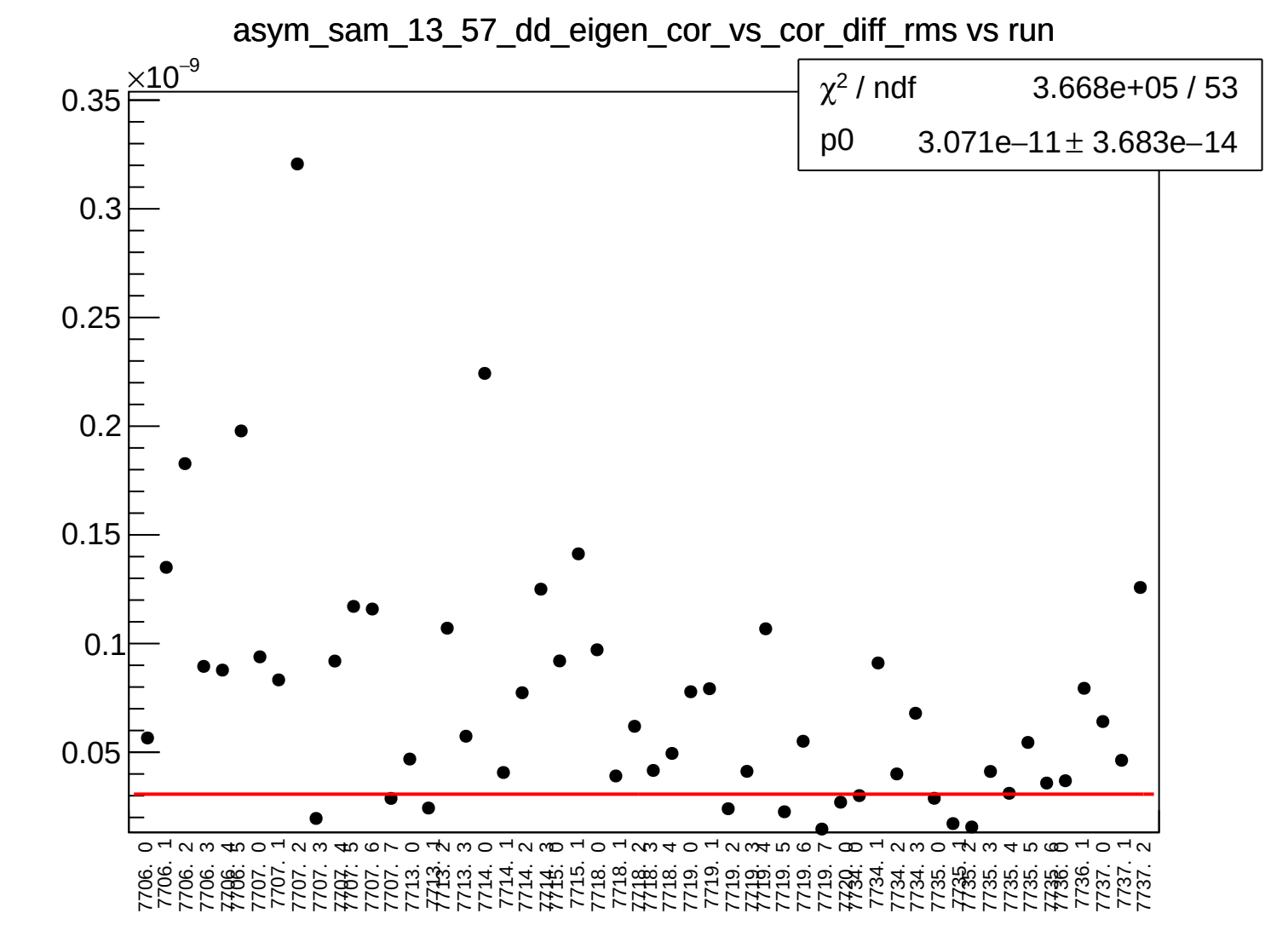

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.25 / 53
p0 −0.002516 ± 0.03808
pull
Entries 54
Mean 1433
Std Dev 0
pull1D
Entries 54
Mean 0.001076
Std Dev 0.9255

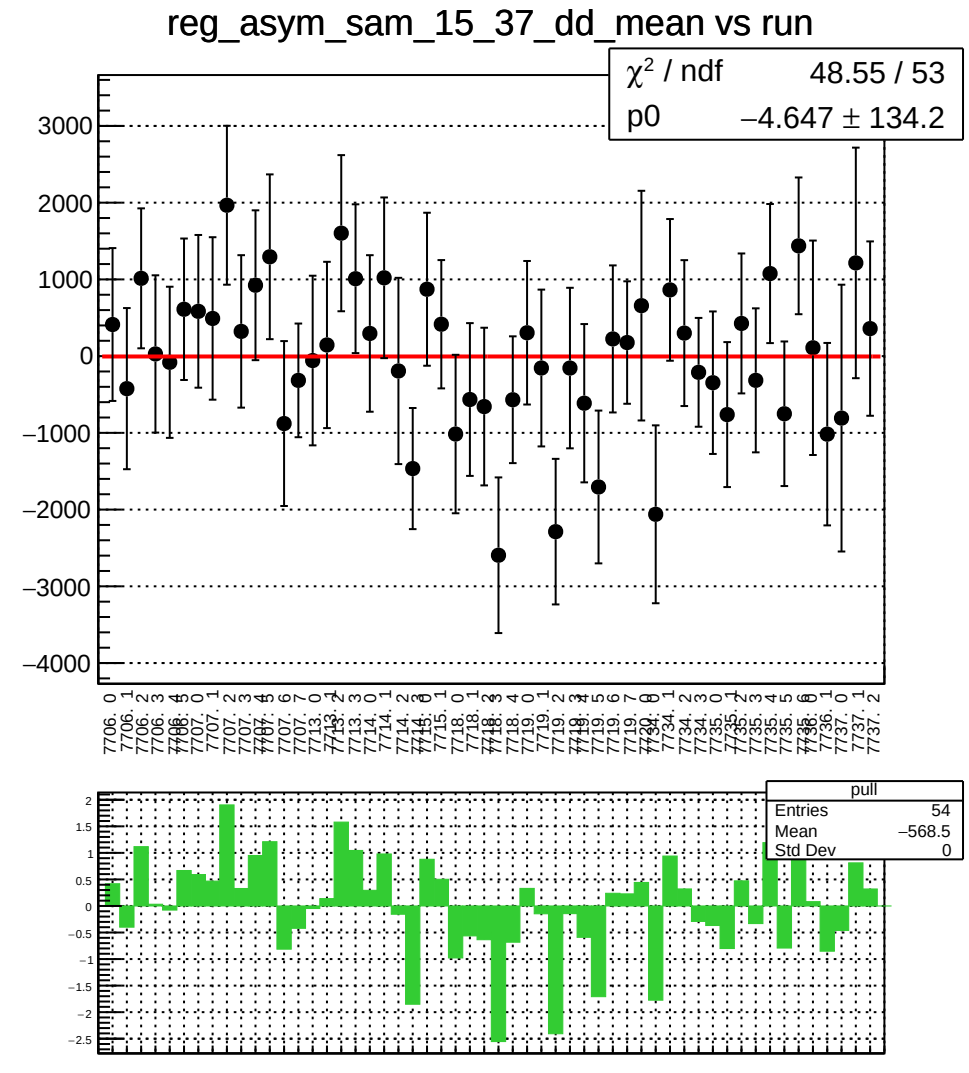

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.549e+04 / 53
p0 26.75 ± 0.02693
60
50
40
30
20

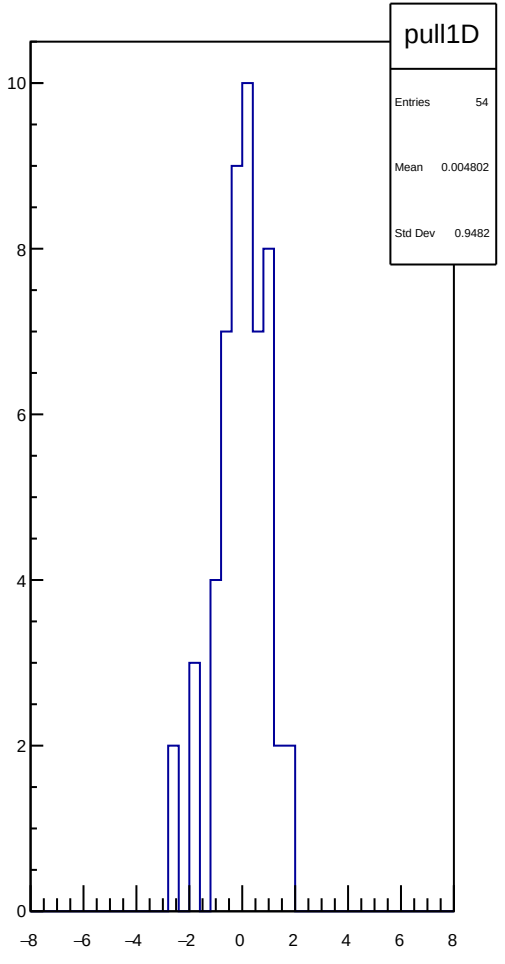

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.25 / 53
p0 −0.002516 ± 0.03808
pull
Entries 54
Mean 1433
Std Dev 0
pull1D
Entries 54
Mean 0.001076
Std Dev 0.9255

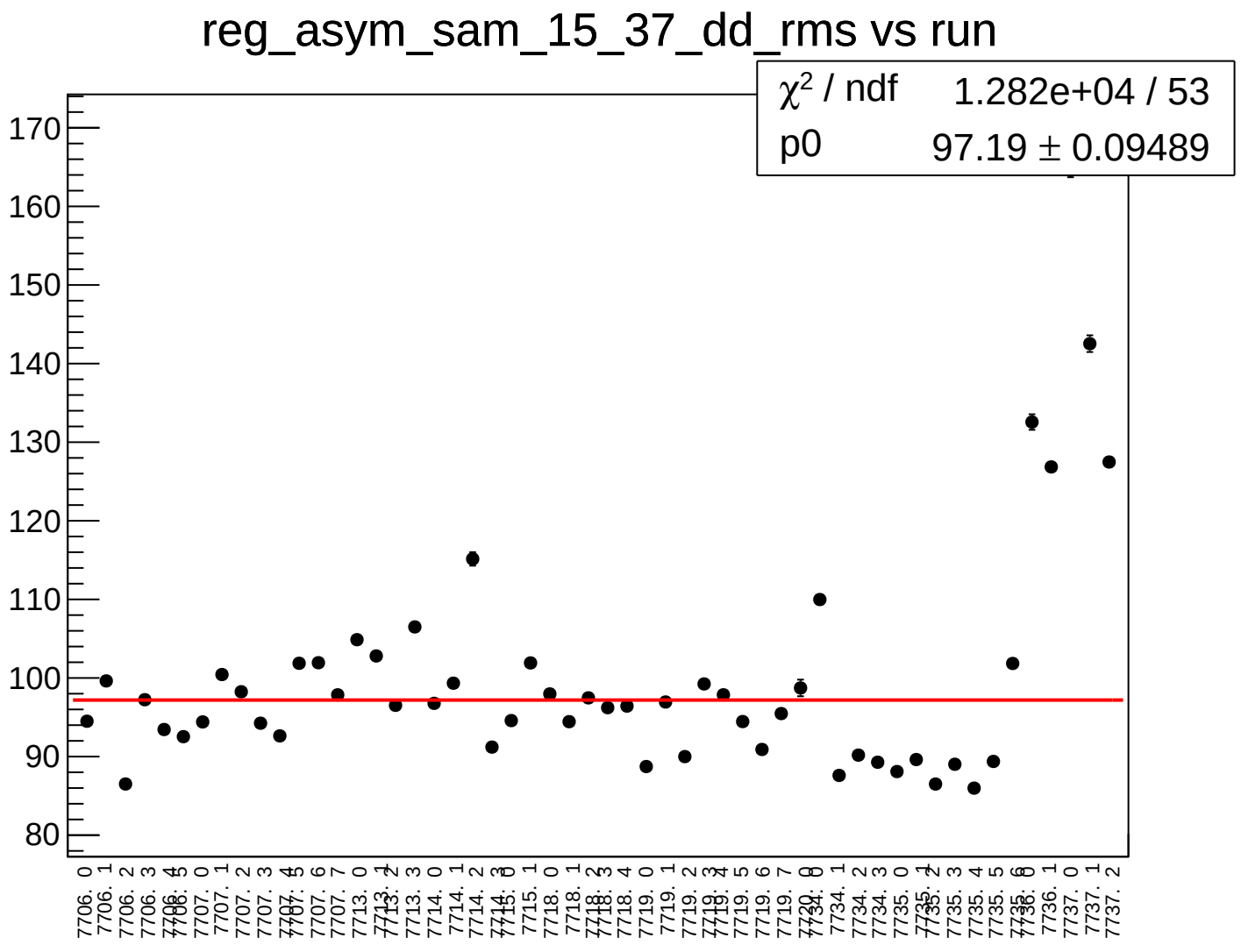

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.549e+04 / 53
p0 26.75 ± 0.02693
60
50
40
30
20

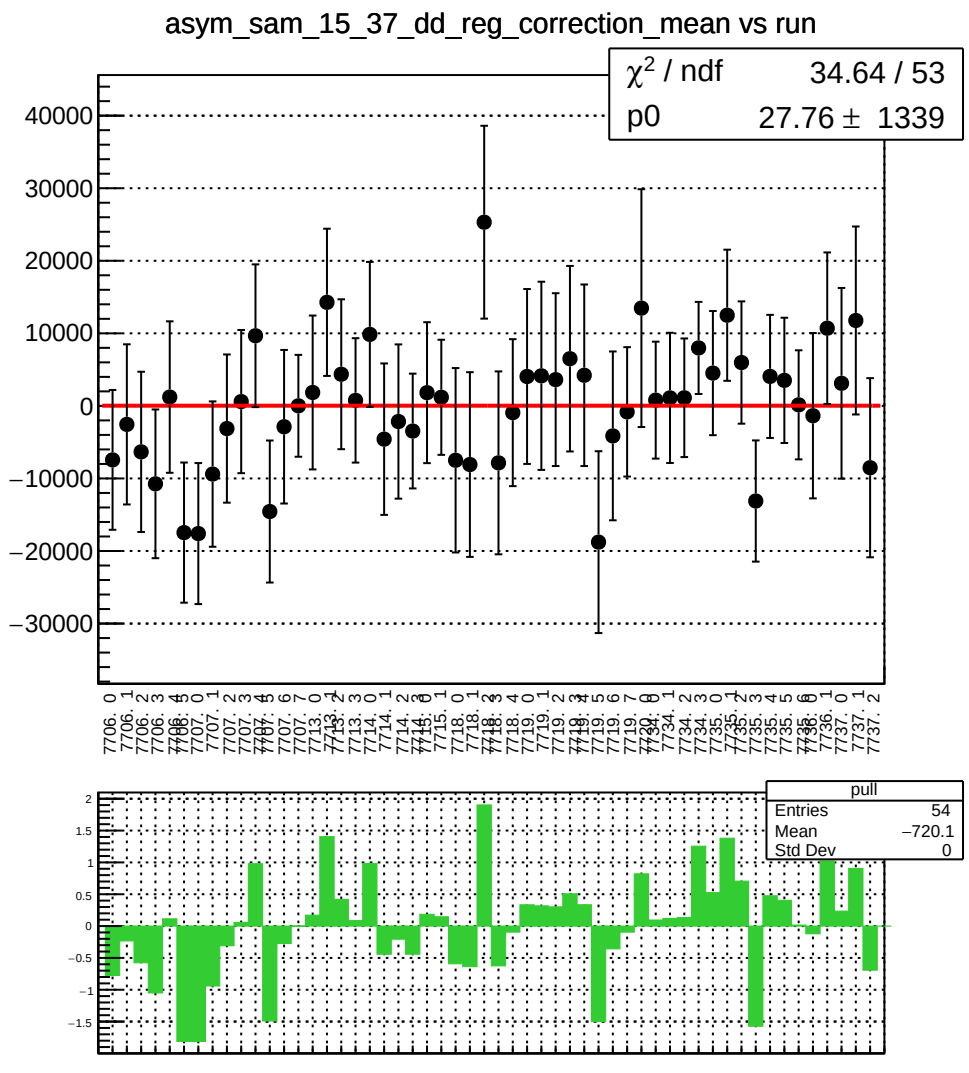

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.71 / 53
p0 6.901e−14 ± 5.208e−14
pull
Entries 54
Mean 199.5
Std Dev 0
pull1D
Entries 54
Mean 0.01232
Std Dev 0.92

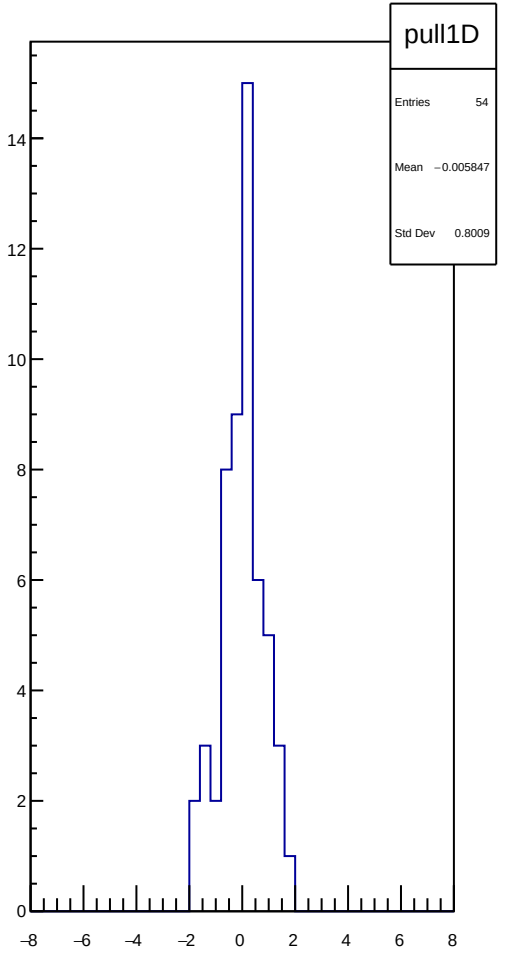

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.668e+05 / 53
p0 3.071e−11 ± 3.683e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

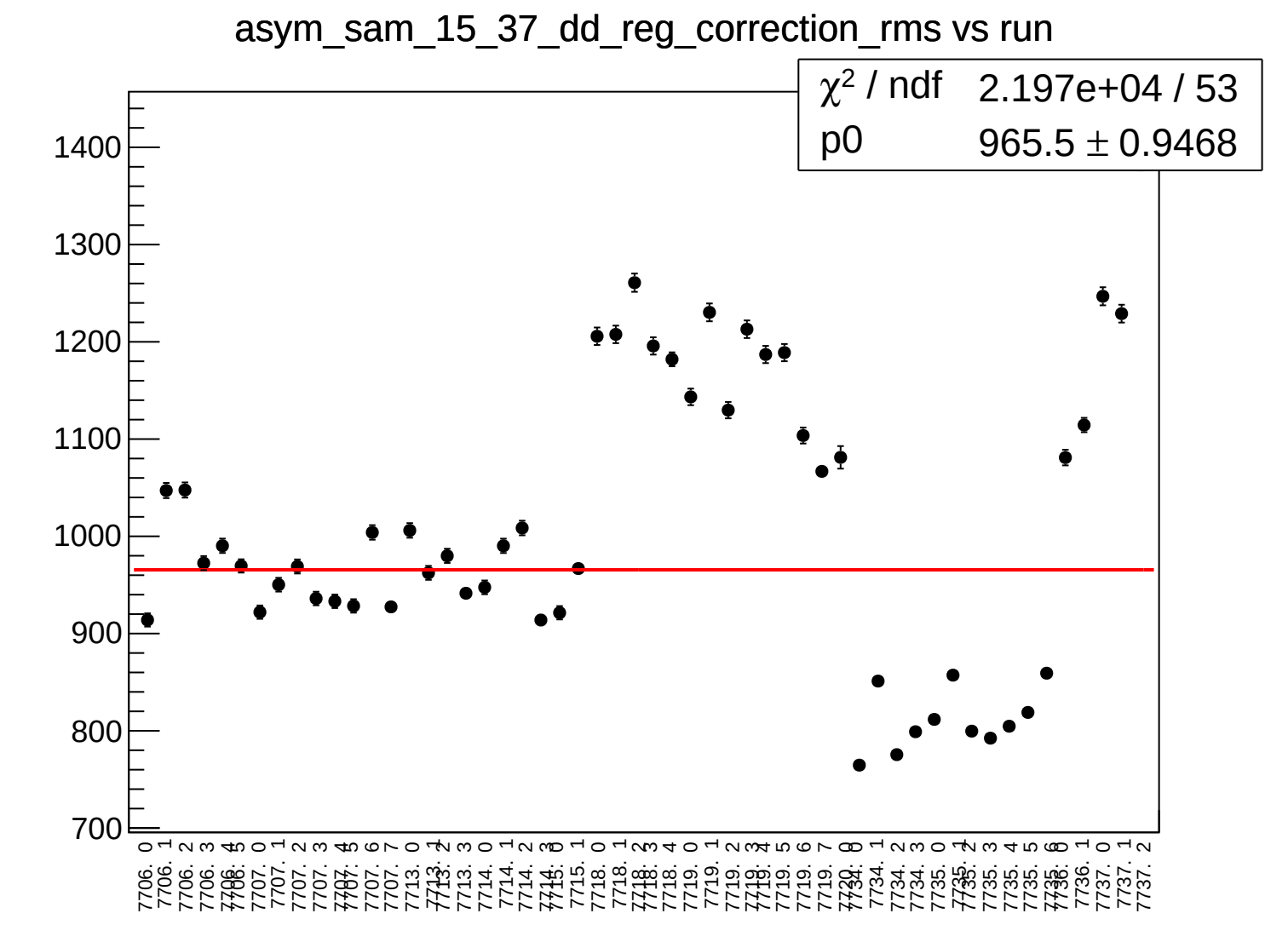

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.55 / 53
p0 −4.647 ± 134.2
pull
Entries 54
Mean −568.5
Std Dev 0

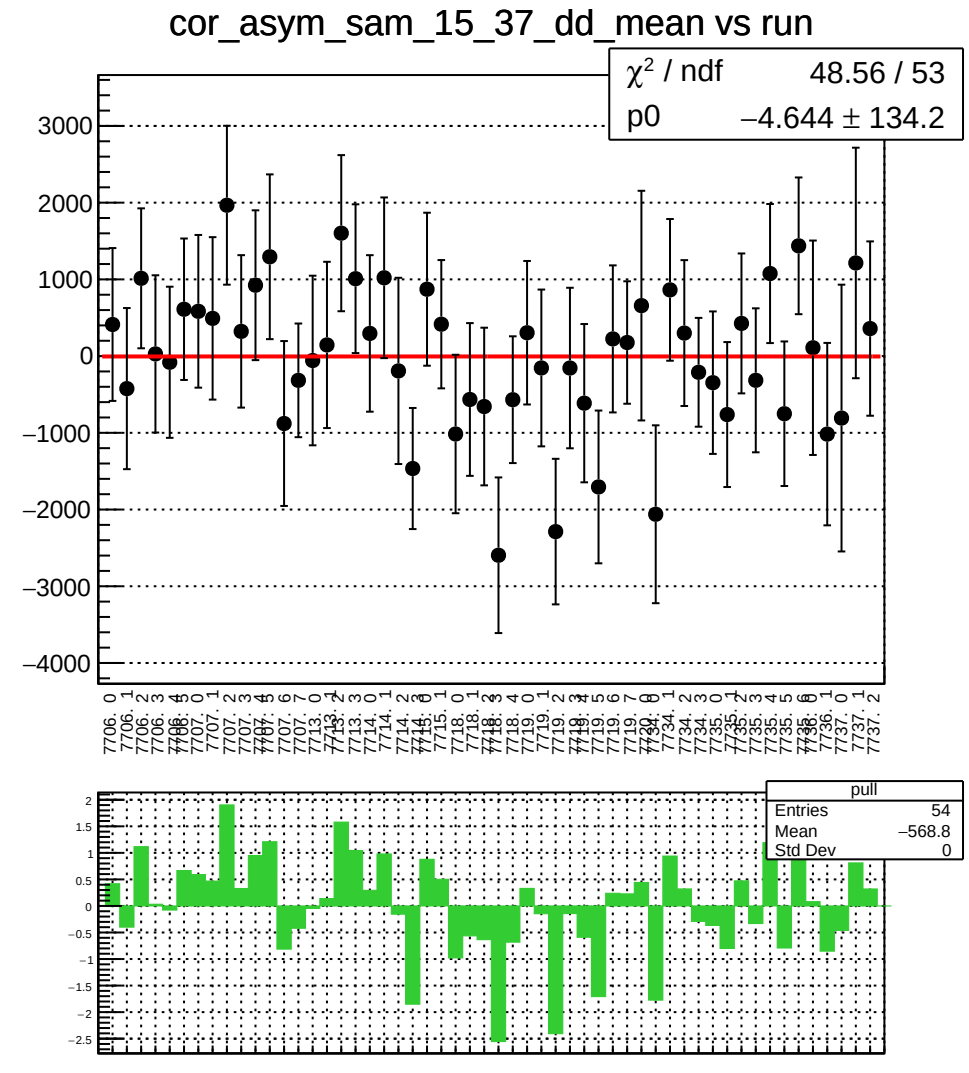

pull1D
Entries 54
Mean 0.004802
Std Dev 0.9482

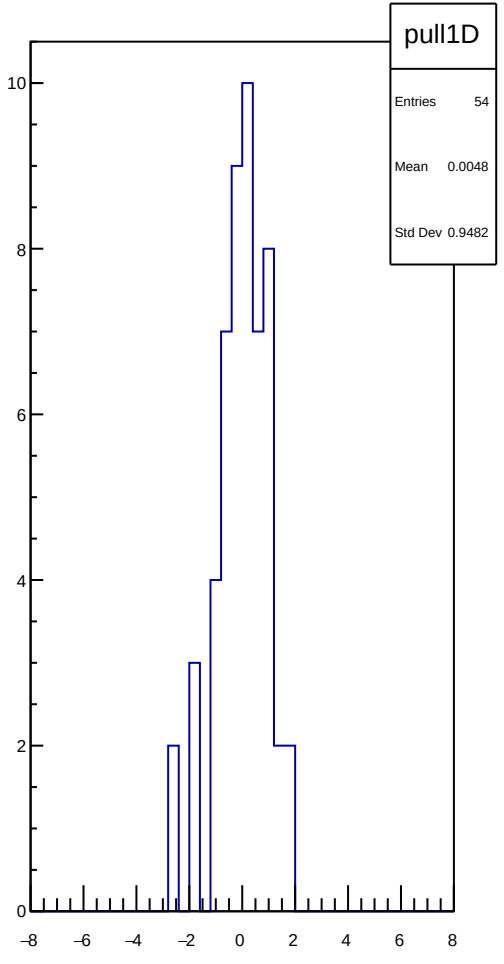

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.282e+04 / 53
p0 97.19 ± 0.09489
170
160
150
140
130
120
110
100
90
80

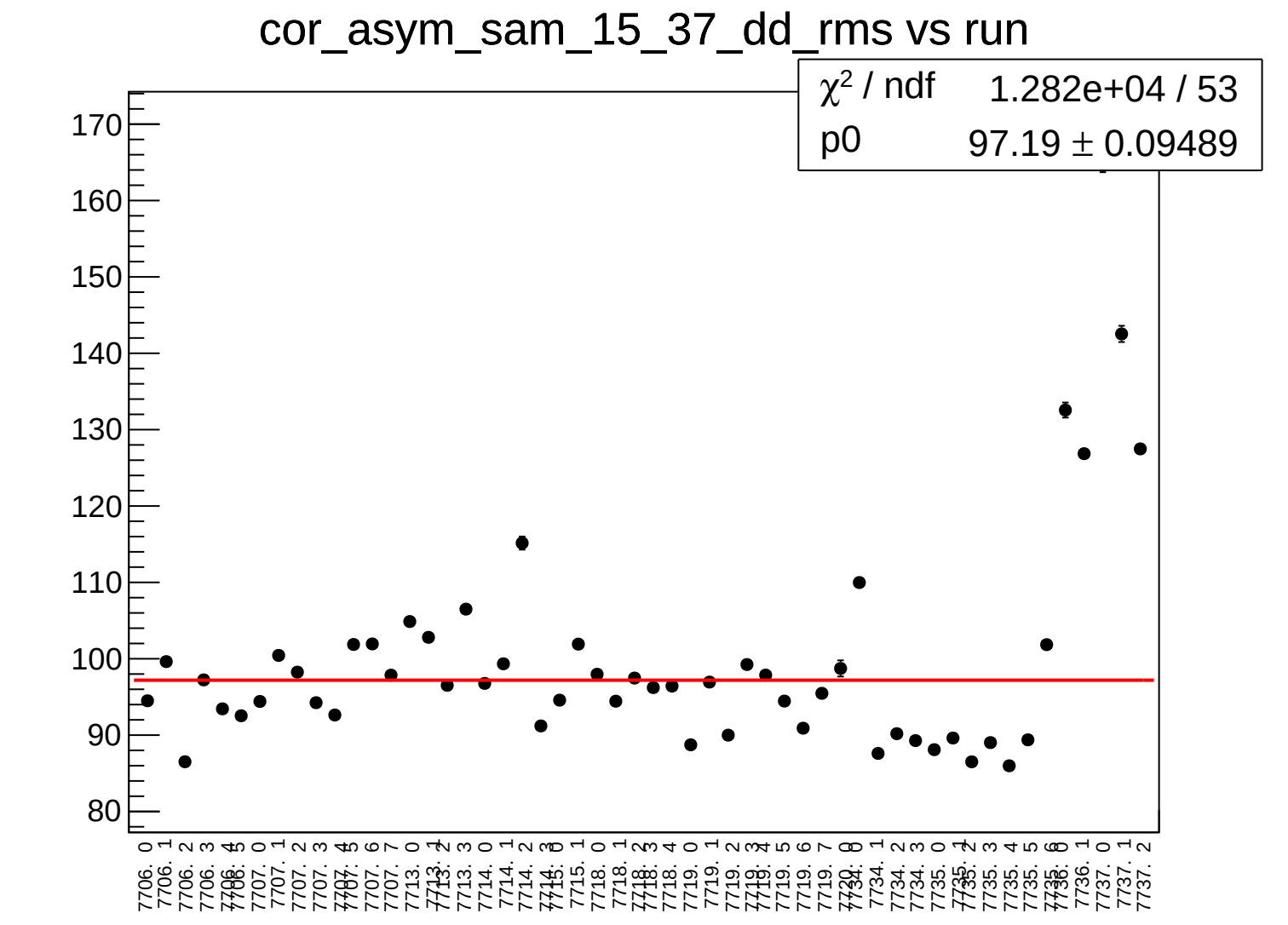

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 34.64 / 53
p0 27.76 ± 1339
pull
Entries 54
Mean −720.1
Std Dev 0

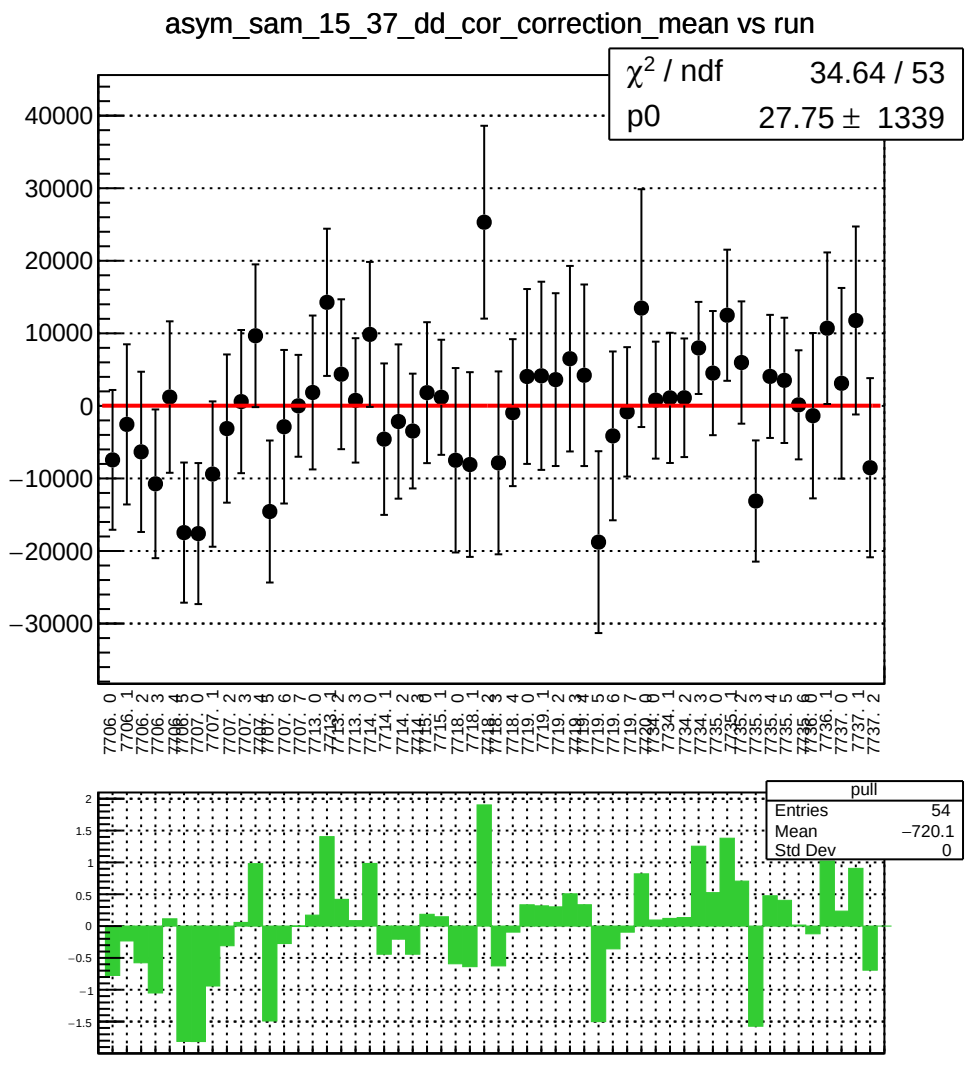

pull1D
Entries 54
Mean −0.005847
Std Dev 0.8009

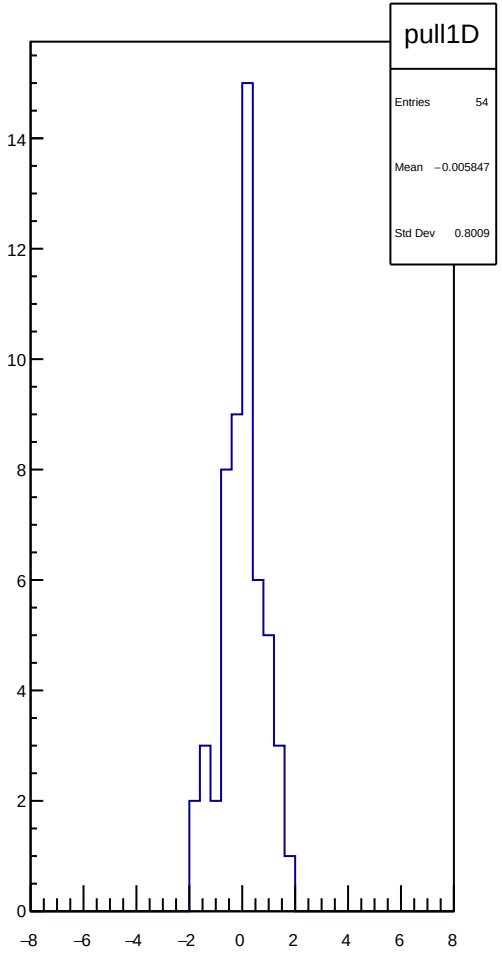

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 2.197e+04 / 53
p0 965.5 ± 0.9468
1400
1300
1200
1100
1000
900
800
700

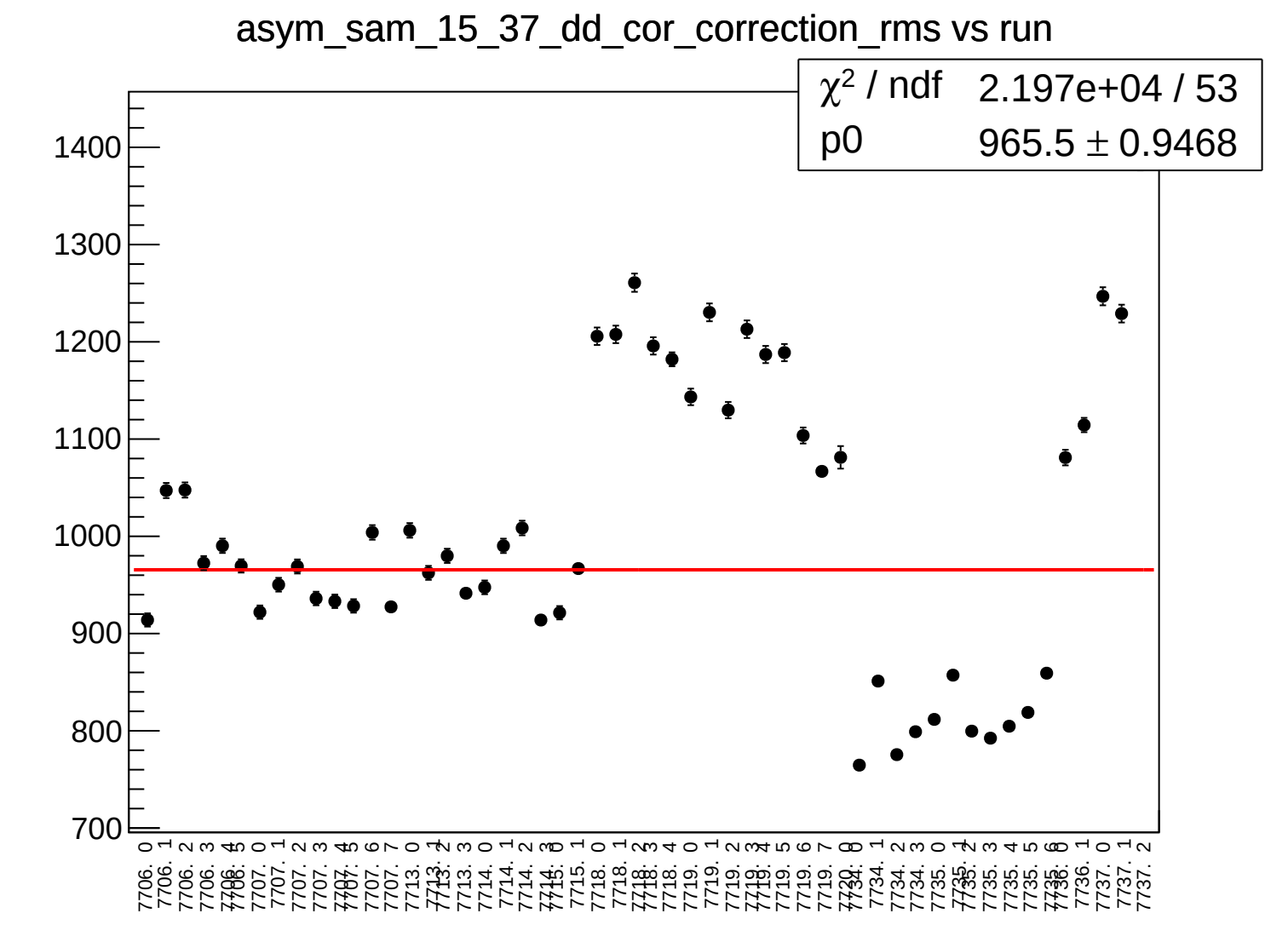

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.56 / 53
p0 −4.644 ± 134.2
pull
Entries 54
Mean −568.8
Std Dev 0

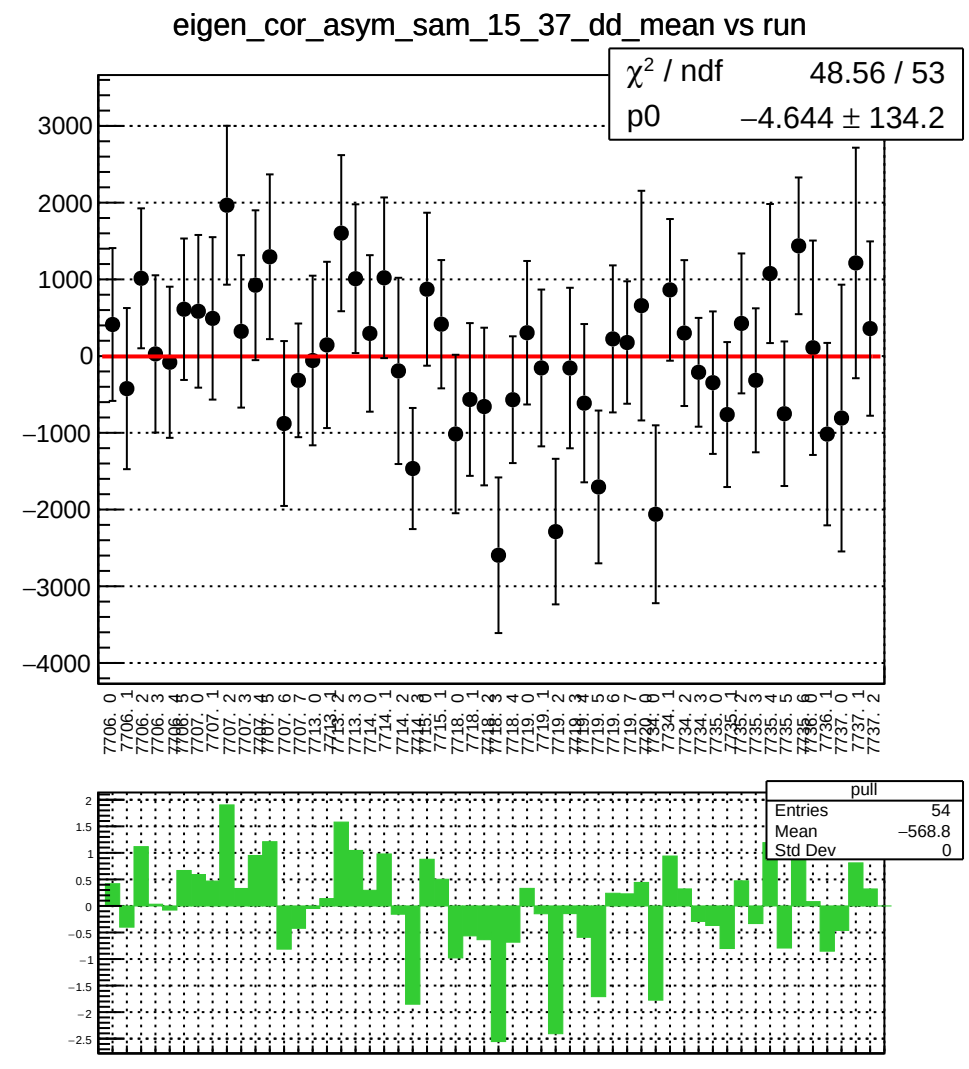

pull1D
Entries 54
Mean 0.0048
Std Dev 0.9482

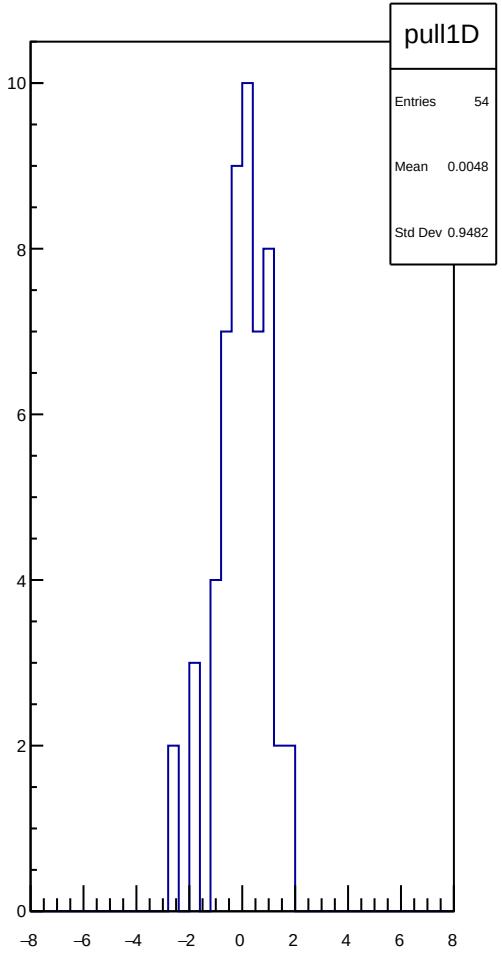

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.282e+04 / 53
p0 97.19 ± 0.09489
170
160
150
140
130
120
110
100
90
80

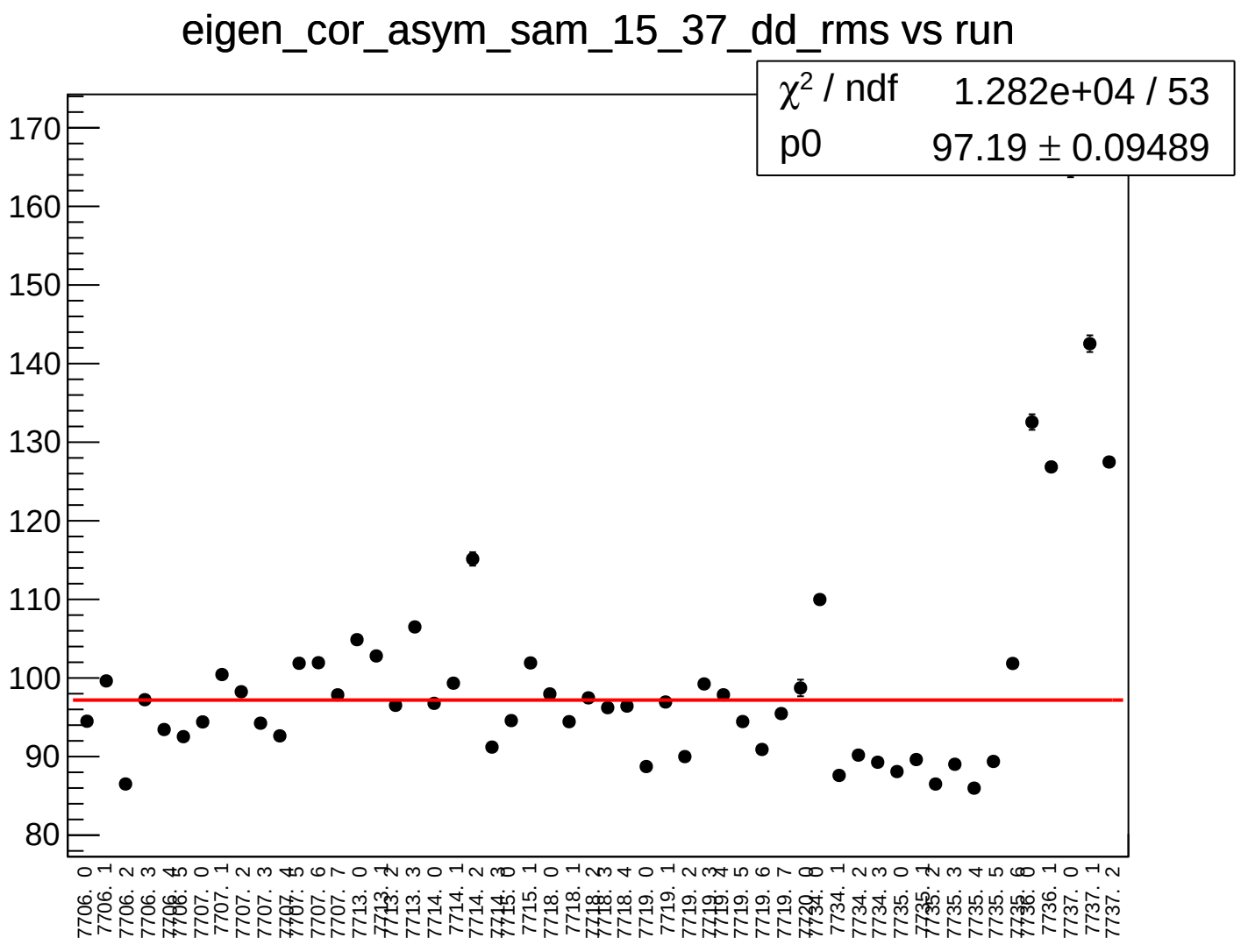

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 34.64 / 53
p0 27.75 ± 1339
pull
Entries 54
Mean −720.1
Std Dev 0

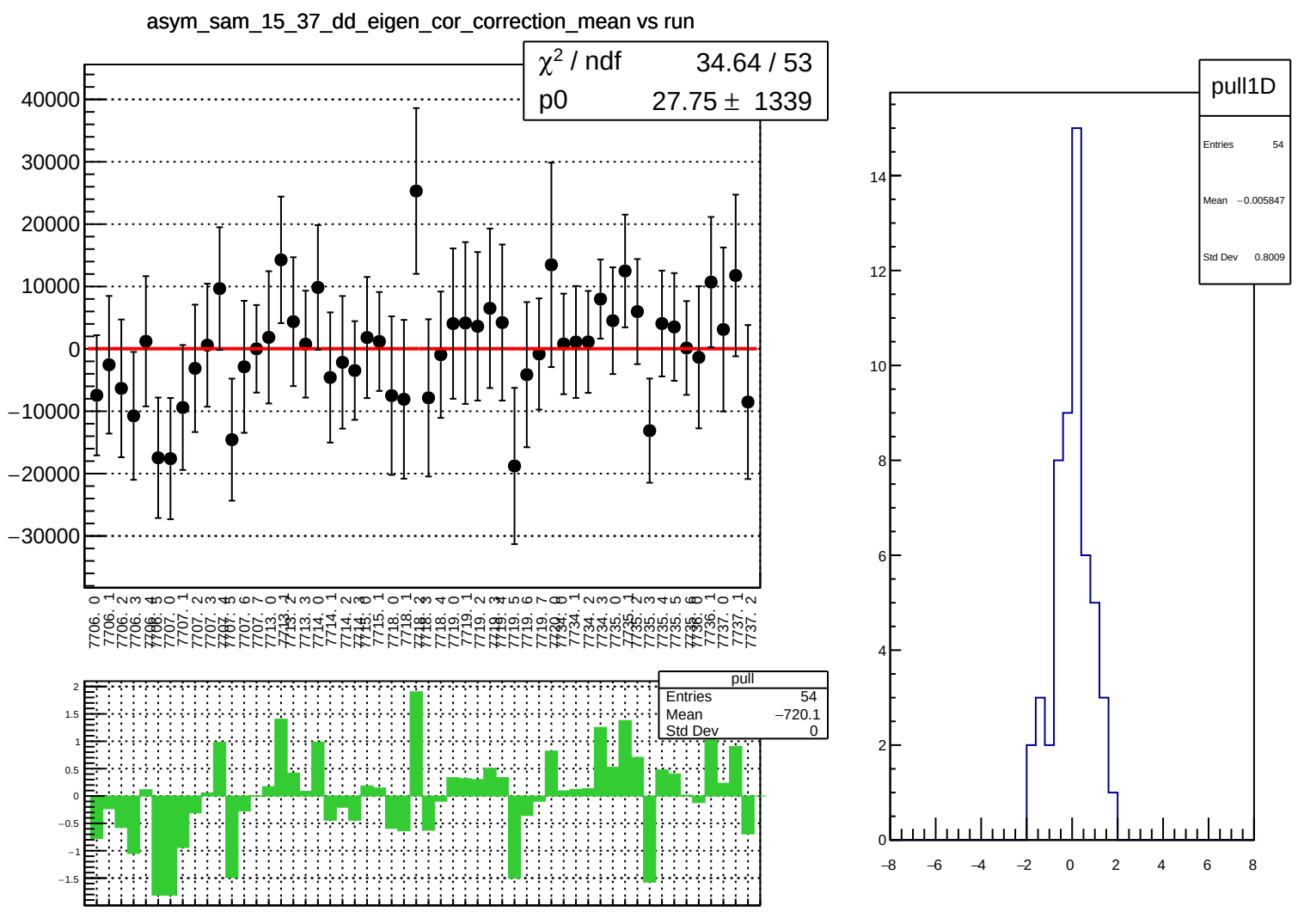

pull1D
Entries 54
Mean −0.005847
Std Dev 0.8009

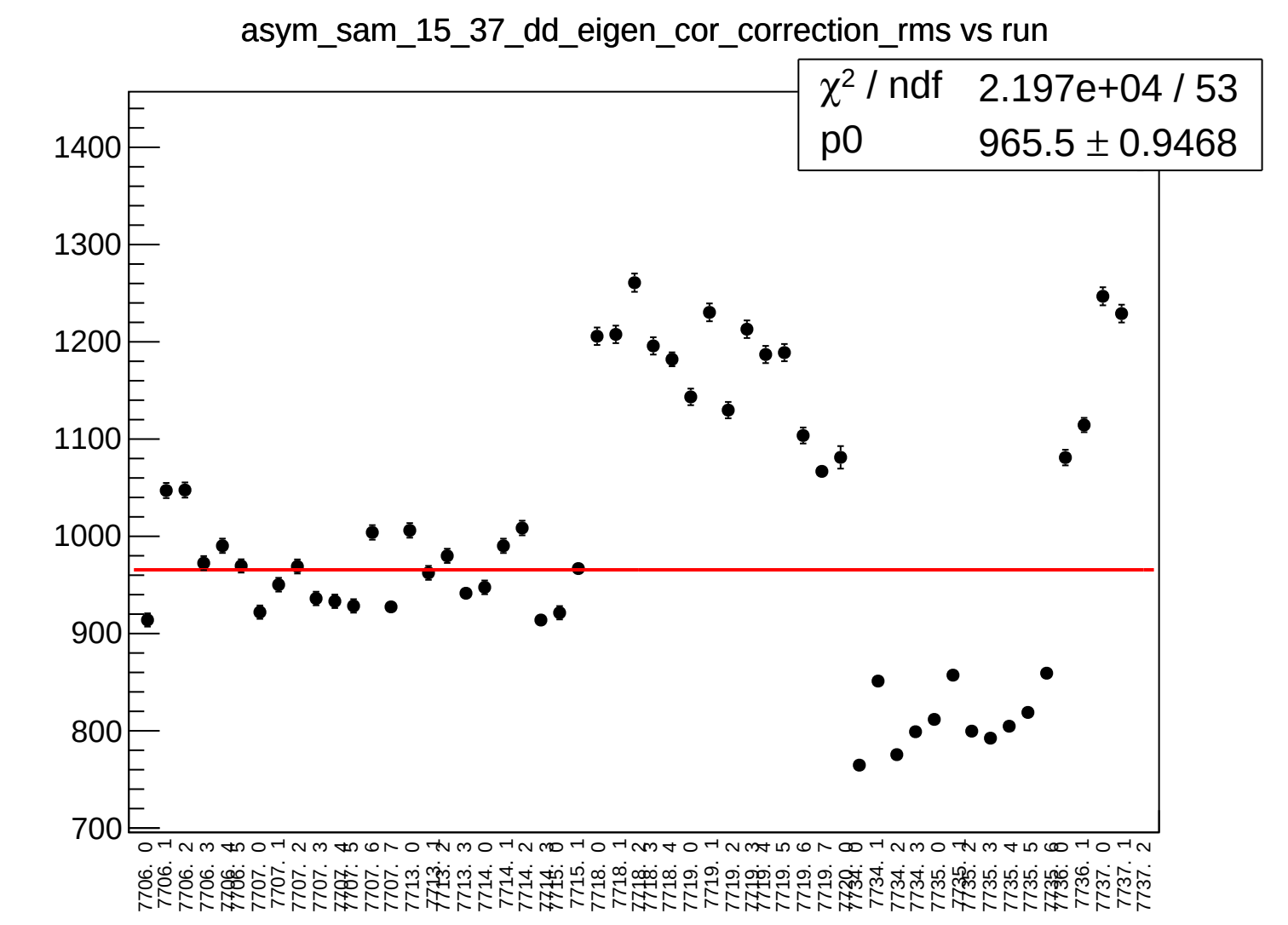

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 2.197e+04 / 53
p0 965.5 ± 0.9468
1400
1300
1200
1100
1000
900
800
700

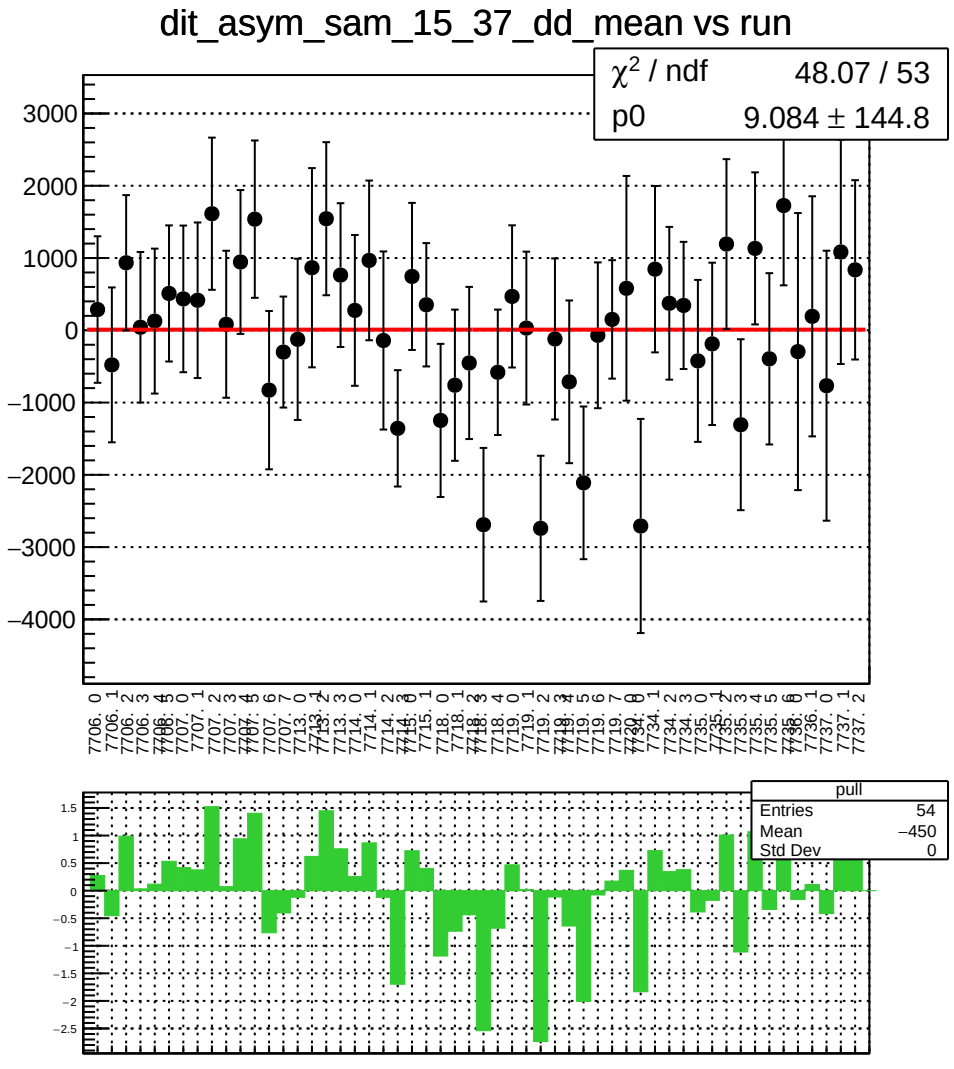

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.56 / 53
p0 −4.644 ± 134.2
pull
Entries 54
Mean −568.8
Std Dev 0

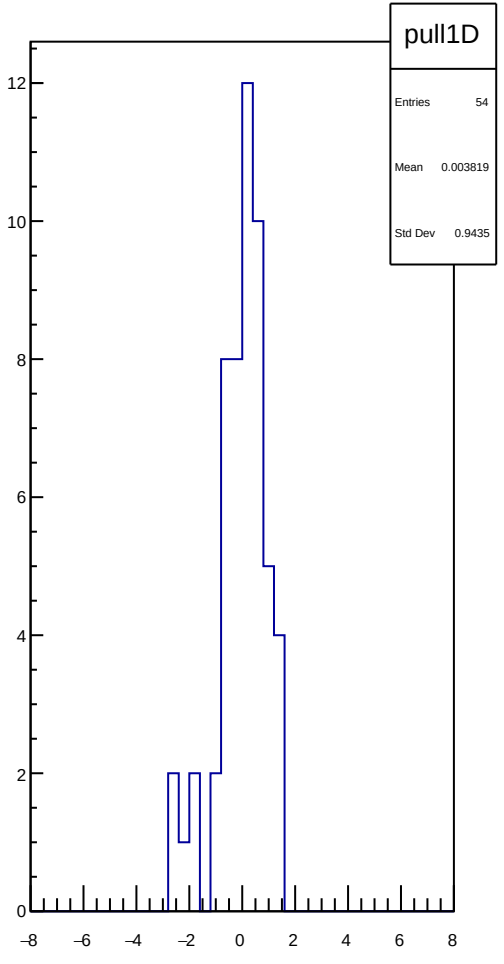

pull1D
Entries 54
Mean 0.0048
Std Dev 0.9482

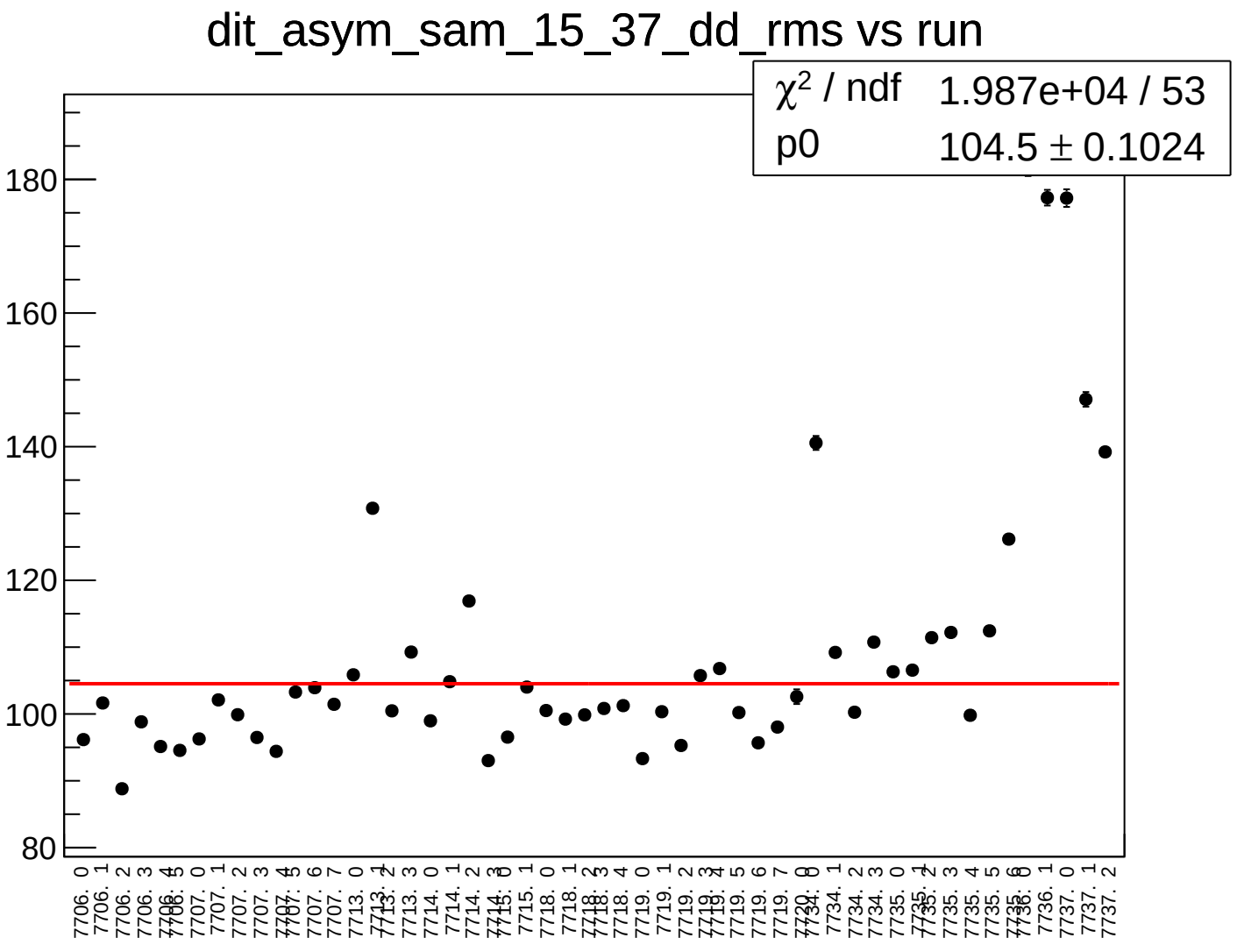

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.282e+04 / 53
p0 97.19 ± 0.09489
170
160
150
140
130
120
110
100
90
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

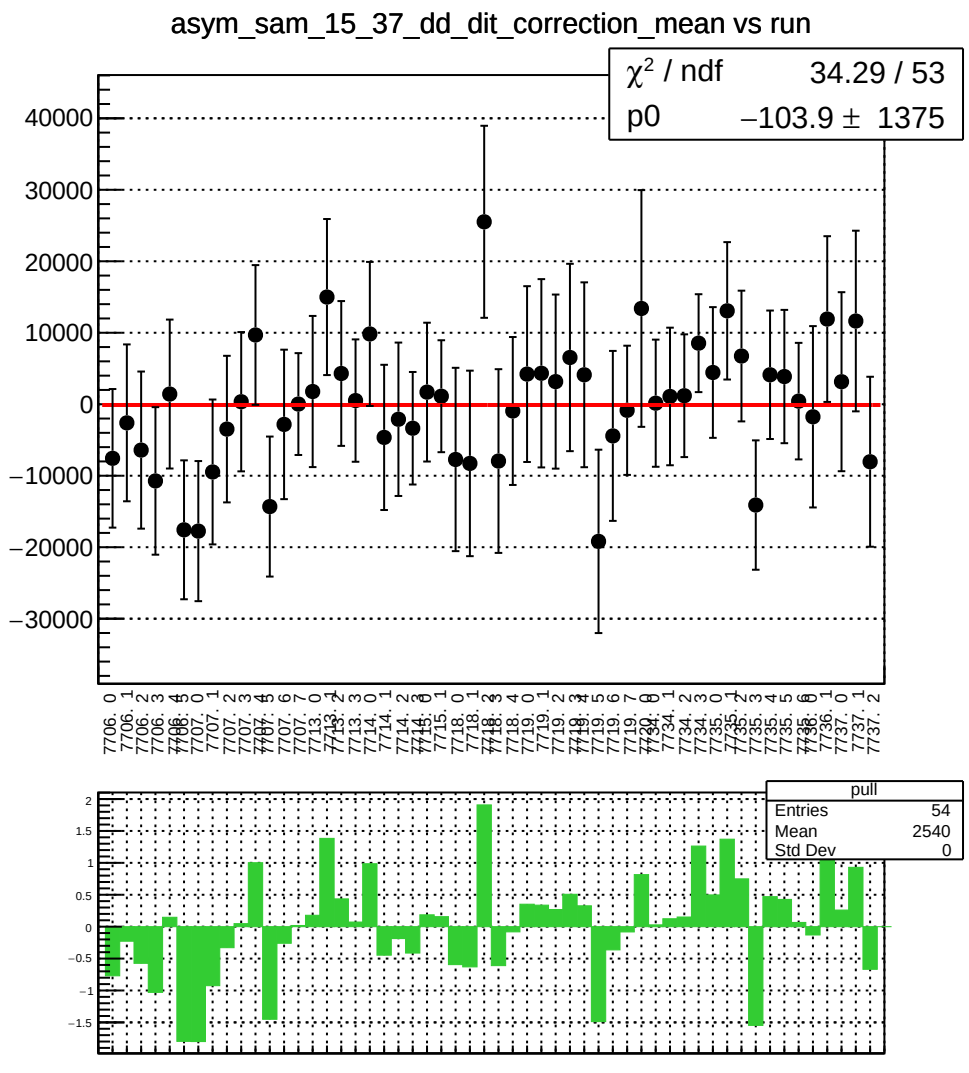

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.64 / 53
p0 27.75 ± 1339
pull
Entries 54
Mean −720.1
Std Dev 0
pull1D
Entries 54
Mean −0.005847
Std Dev 0.8009

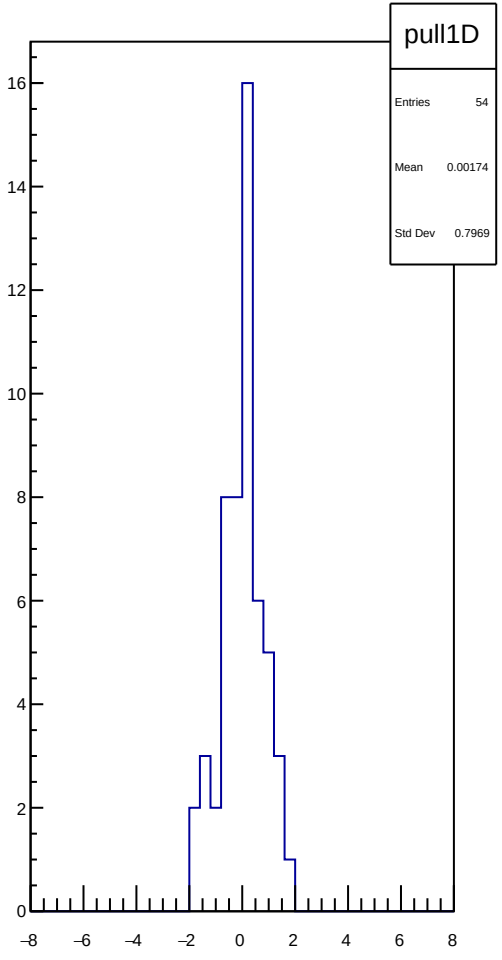

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.197e+04 / 53
p0 965.5 ± 0.9468
1400
1300
1200
1100
1000
900
800
700

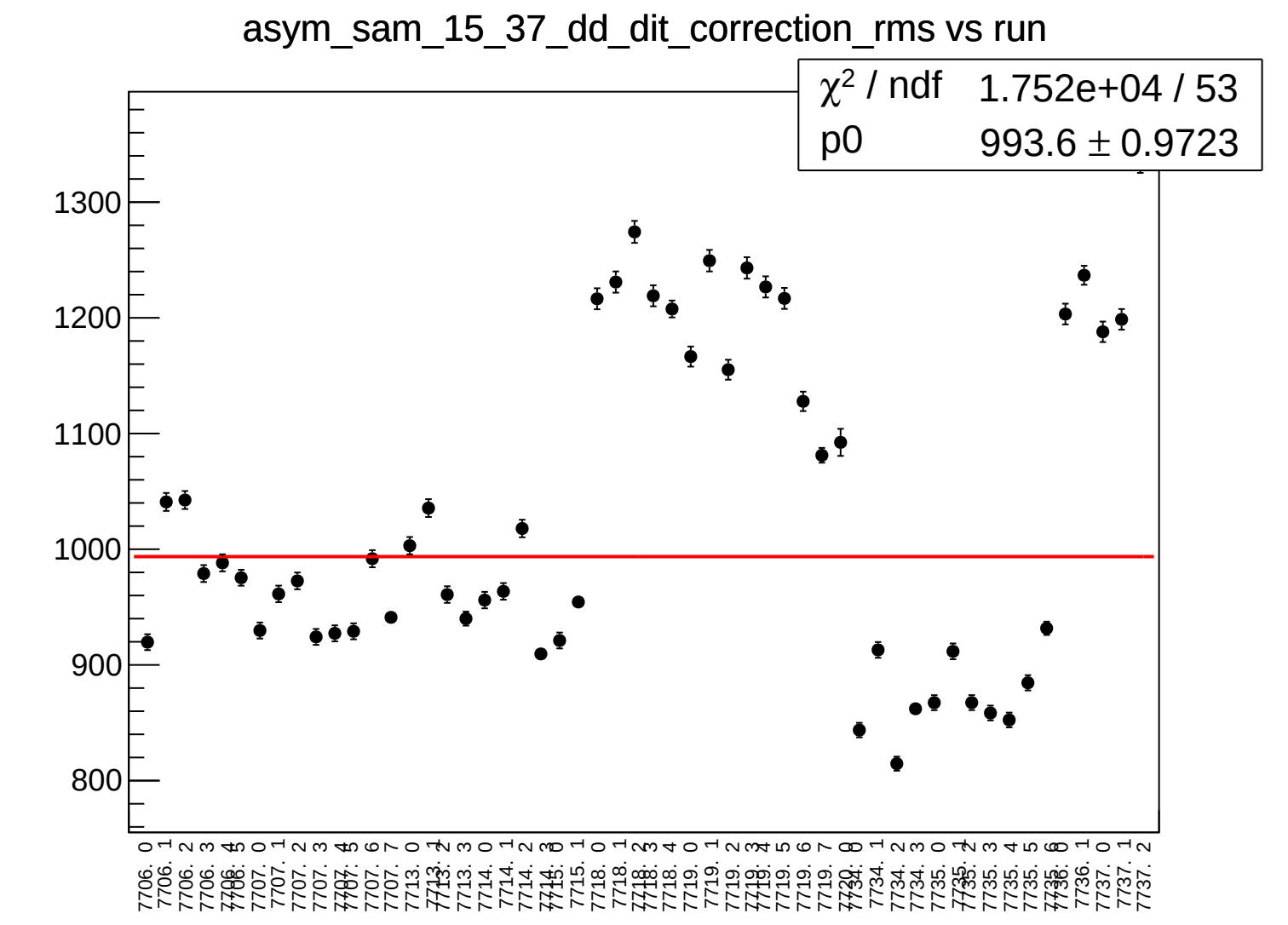

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.07 / 53
p0 9.084 ± 144.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean −450
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

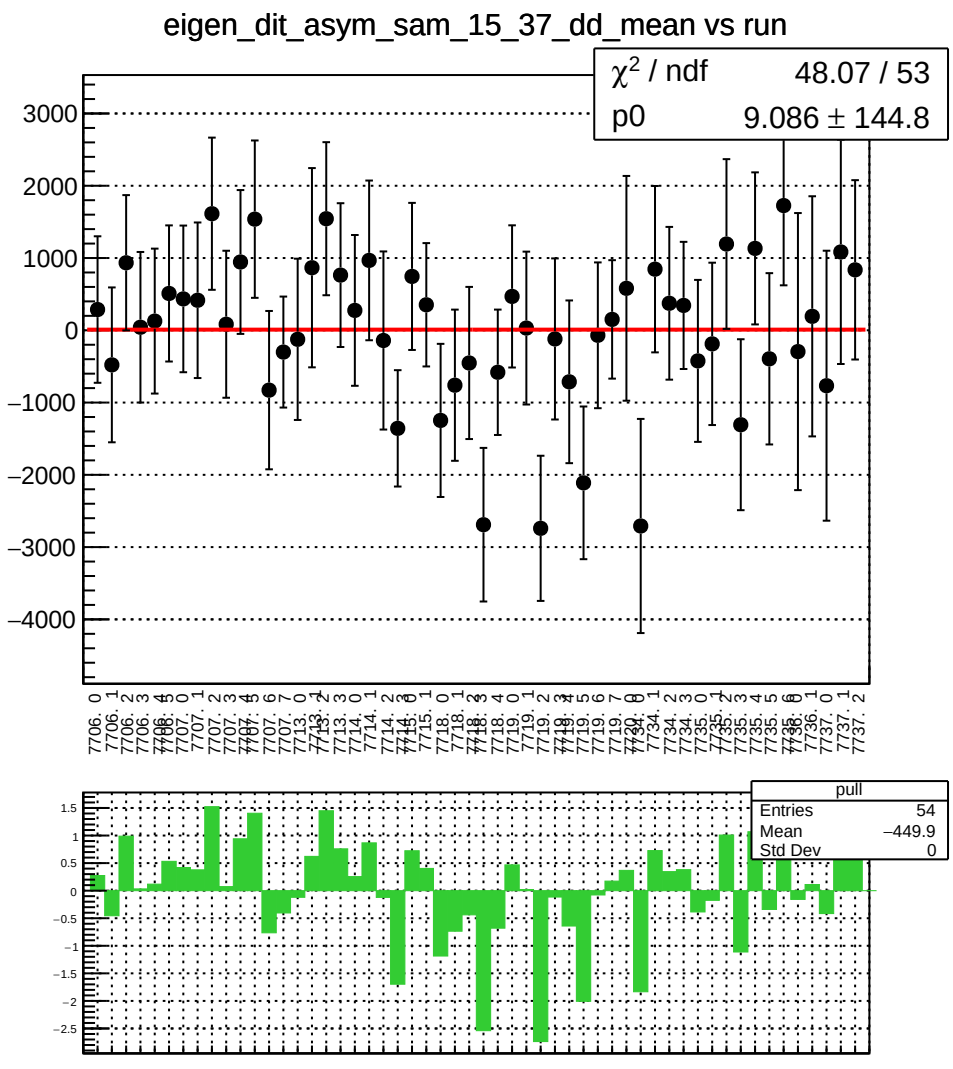

pull1D
Entries 54
Mean 0.003819
Std Dev 0.9435
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

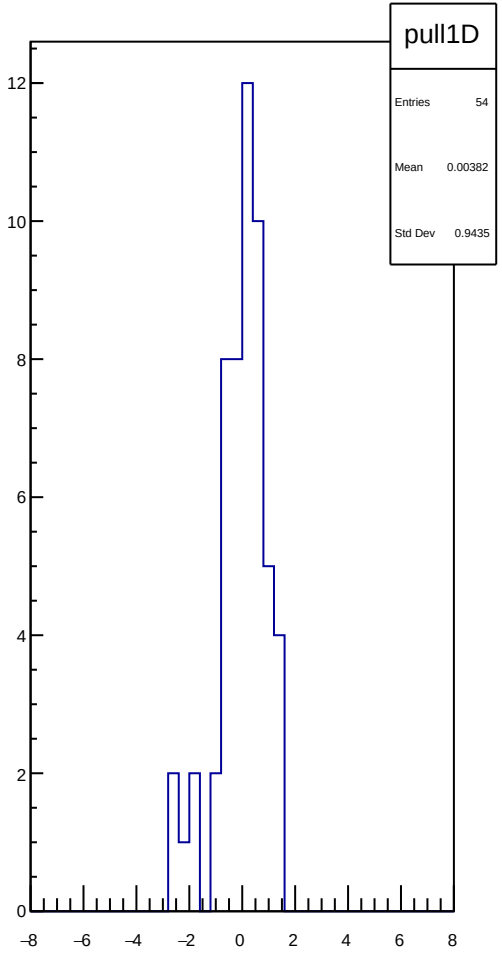

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.987e+04 / 53
p0 104.5 ± 0.1024
180
160
140
120
100
80

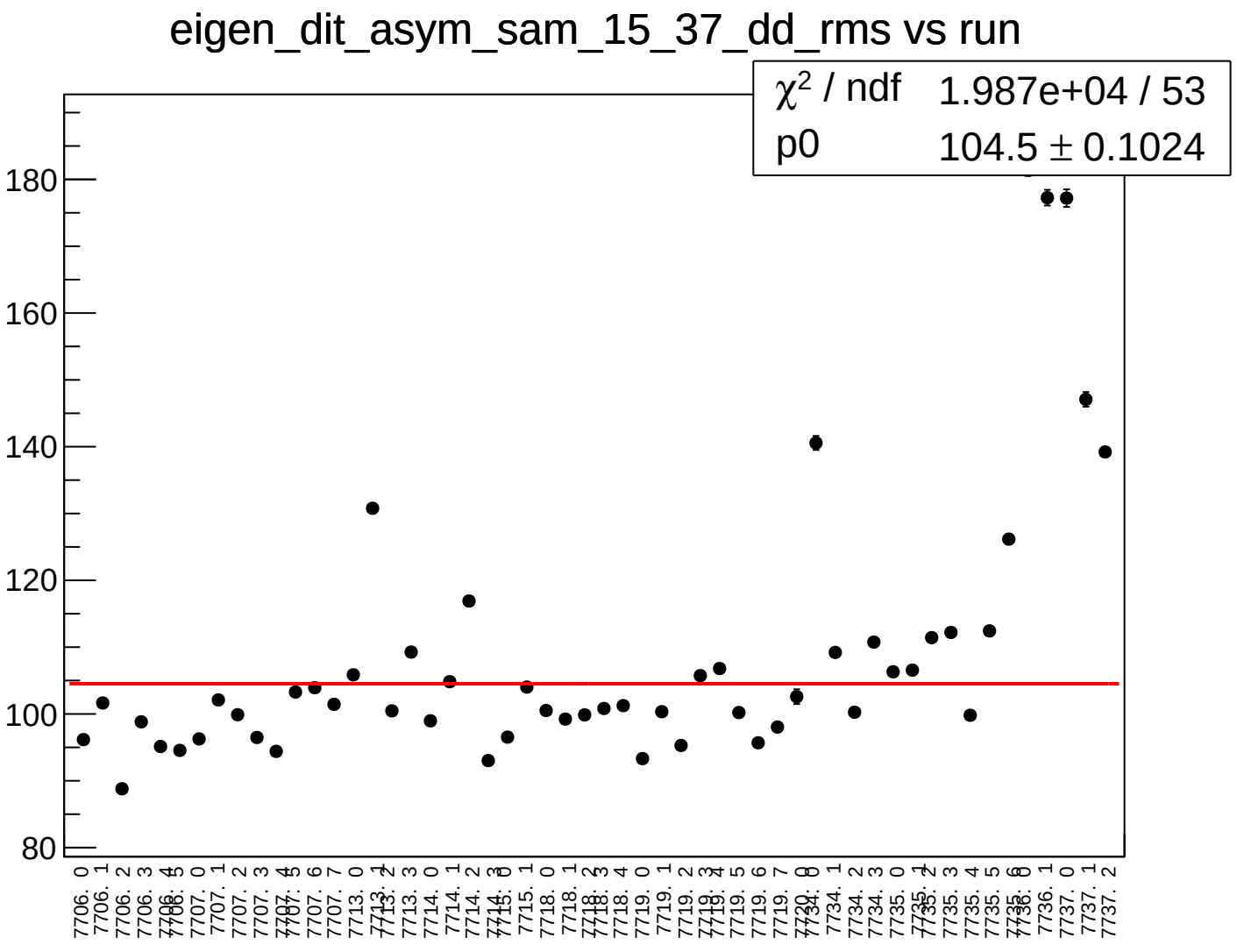

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 34.29 / 53
p0 −103.9 ± 1375
pull
Entries 54
Mean 2540
Std Dev 0

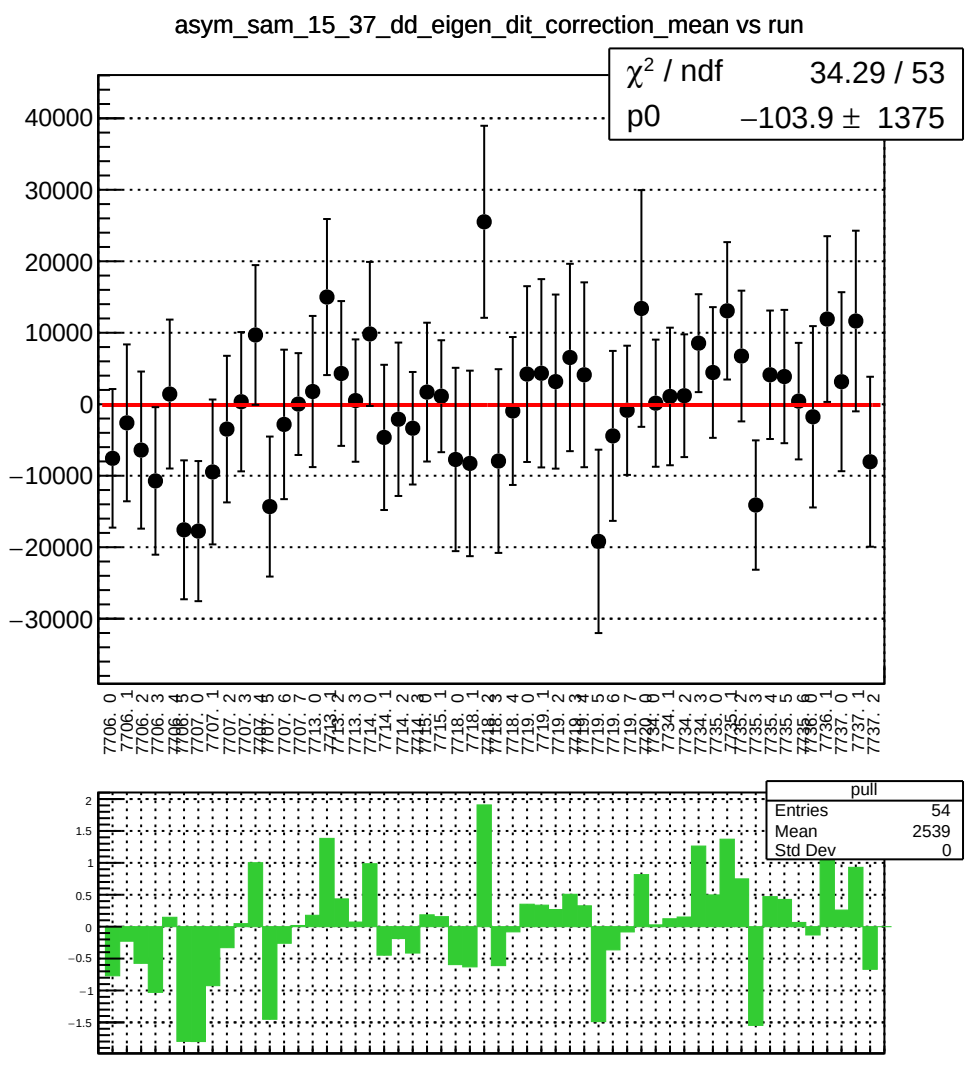

pull1D
Entries 54
Mean 0.00174
Std Dev 0.7969

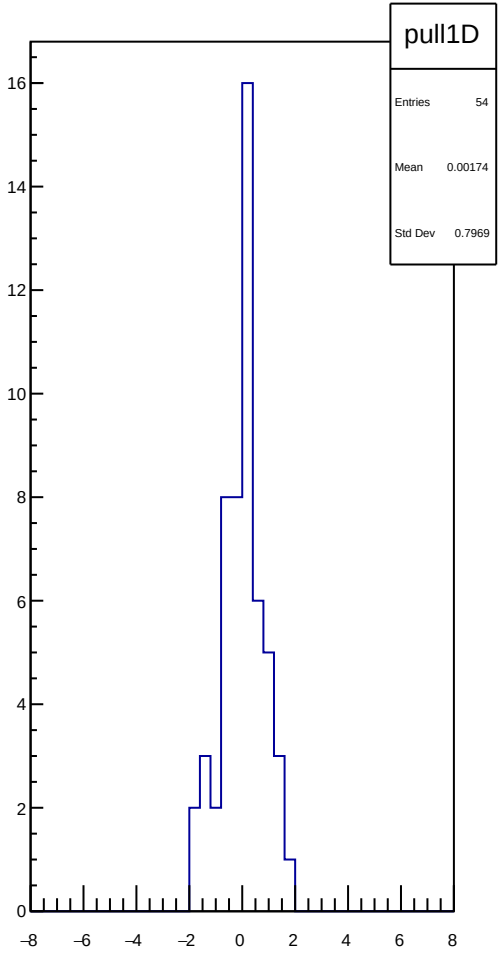

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 1.752e+04 / 53
p0 993.6 ± 0.9723
1300
1200
1100
1000
900
800

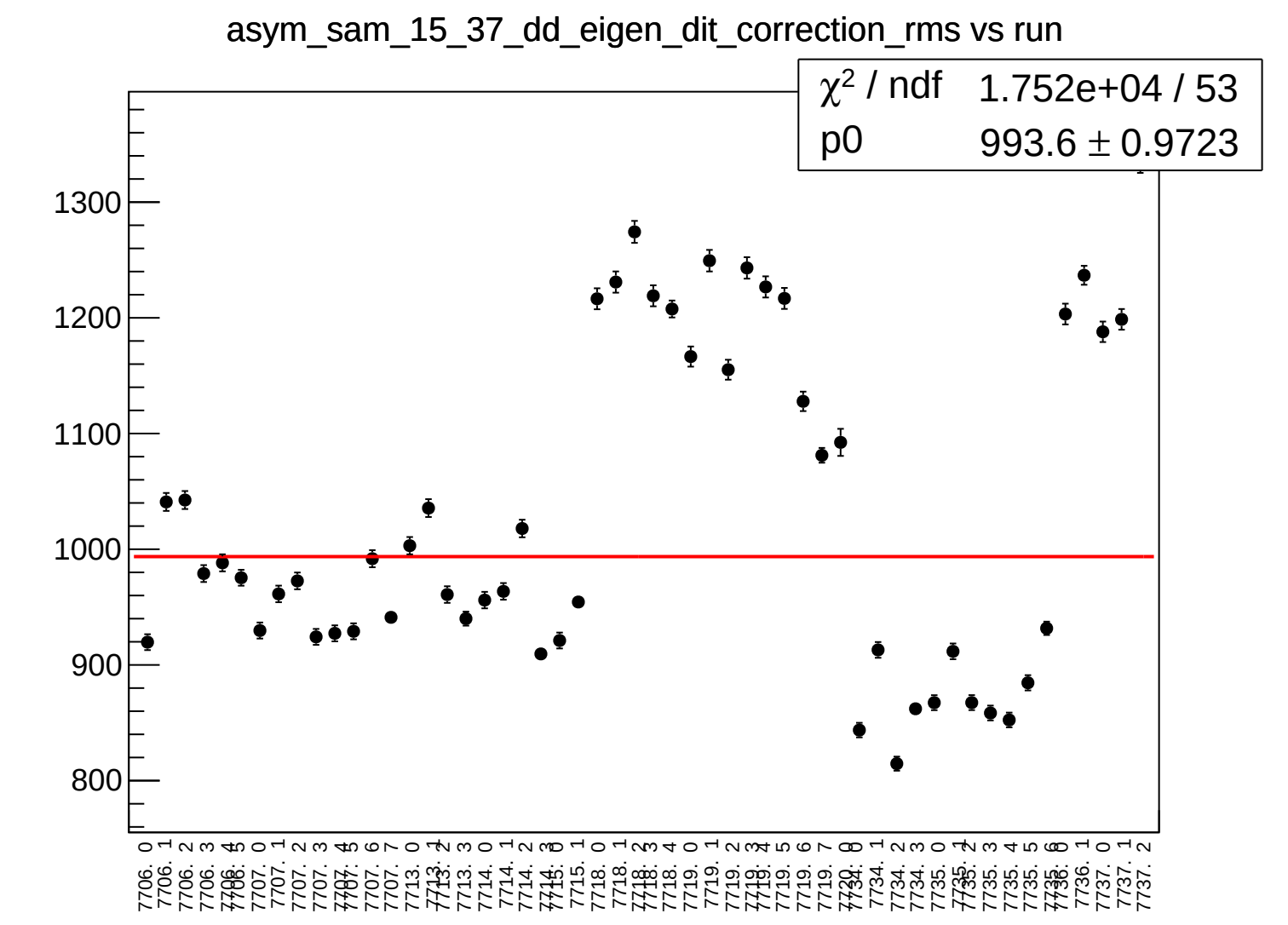

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.07 / 53
p0 9.086 ± 144.8
pull
Entries 54
Mean −449.9
Std Dev 0

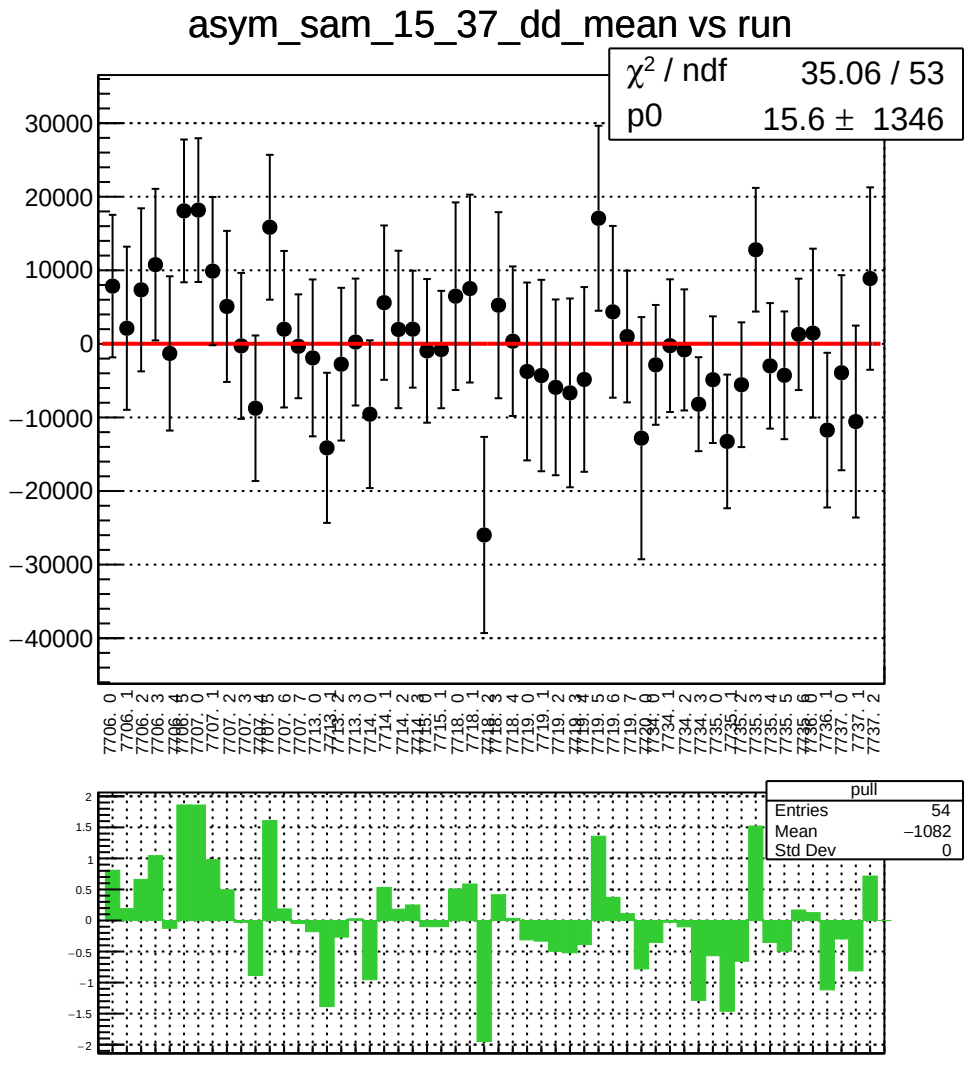

pull1D
Entries 54
Mean 0.00382
Std Dev 0.9435

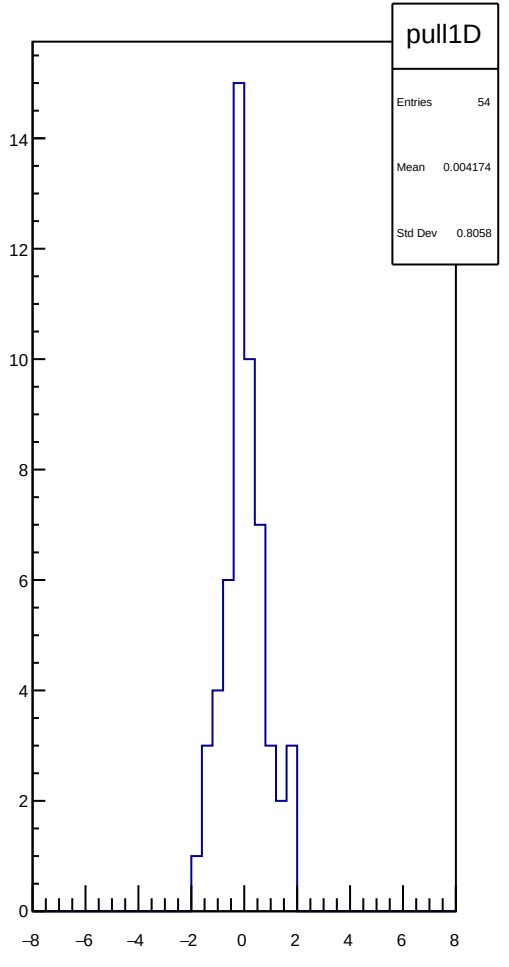

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.987e+04 / 53
p0 104.5 ± 0.1024
180
160
140
120
100
80

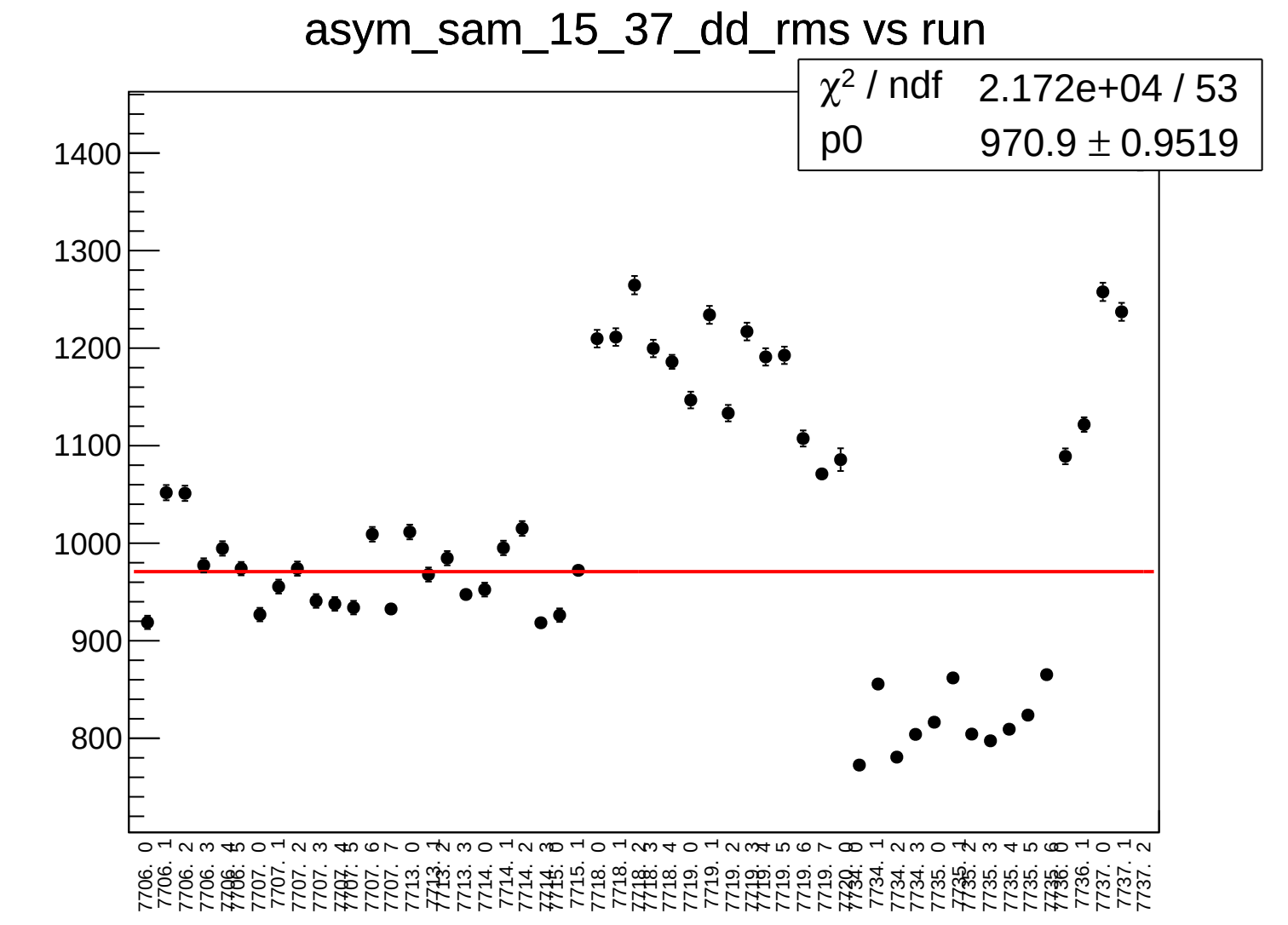

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.29 / 53
p0 −103.9 ± 1375
pull
Entries 54
Mean 2539
Std Dev 0

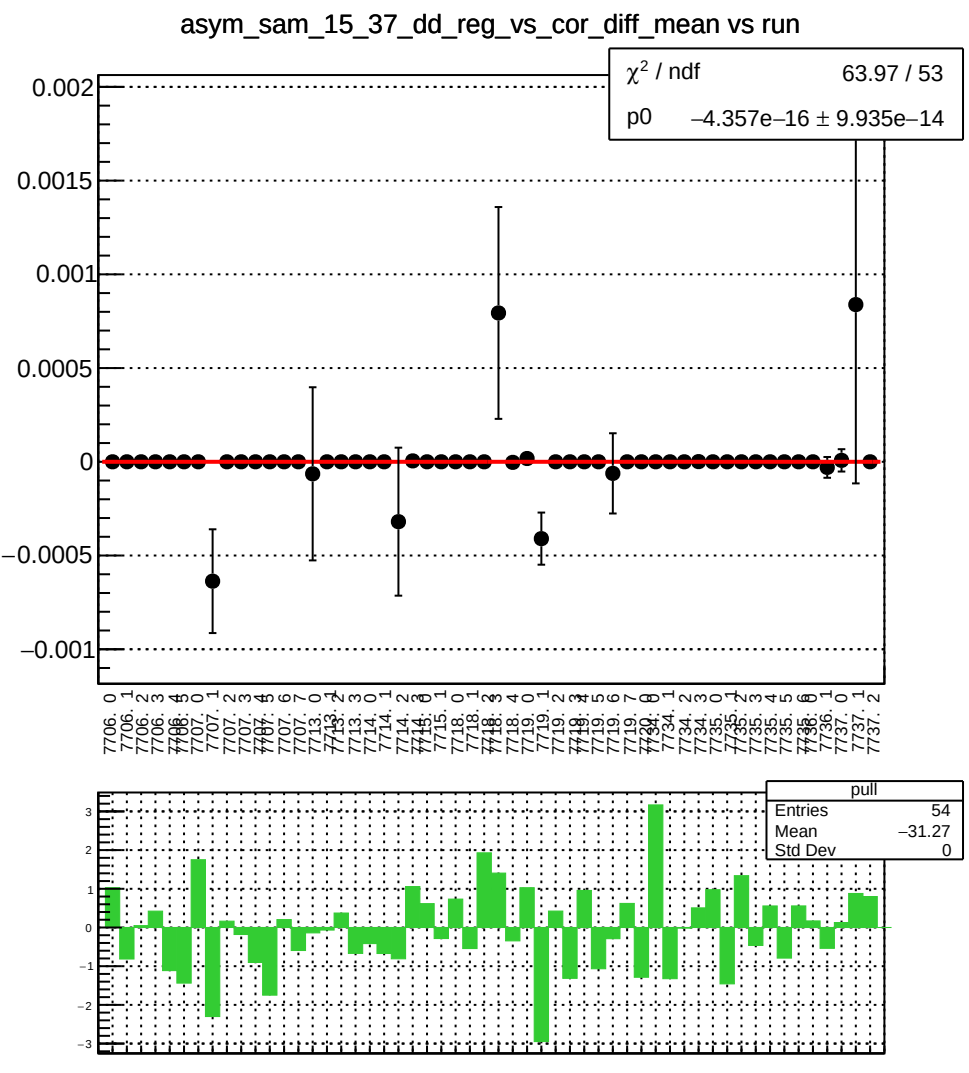

pull1D
Entries 54
Mean 0.00174
Std Dev 0.7969

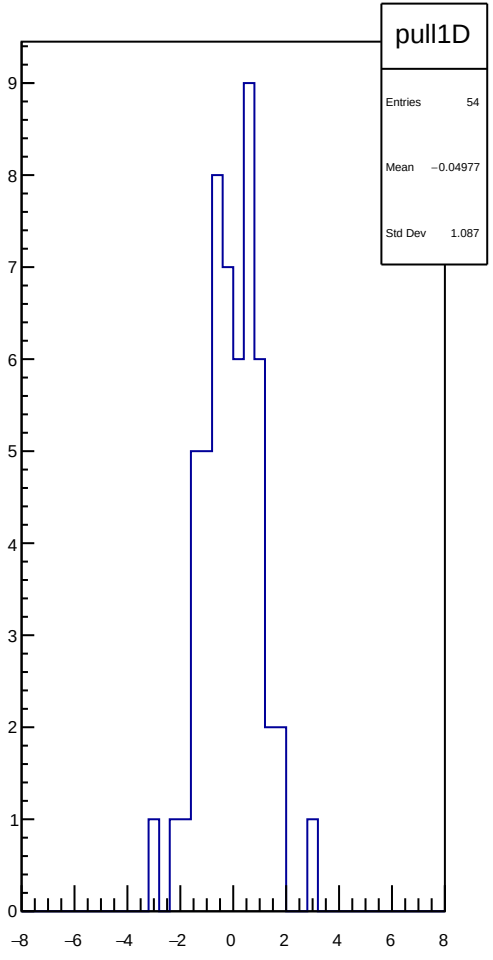

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.752e+04 / 53
p0 993.6 ± 0.9723
1300
1200
1100
1000
900
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

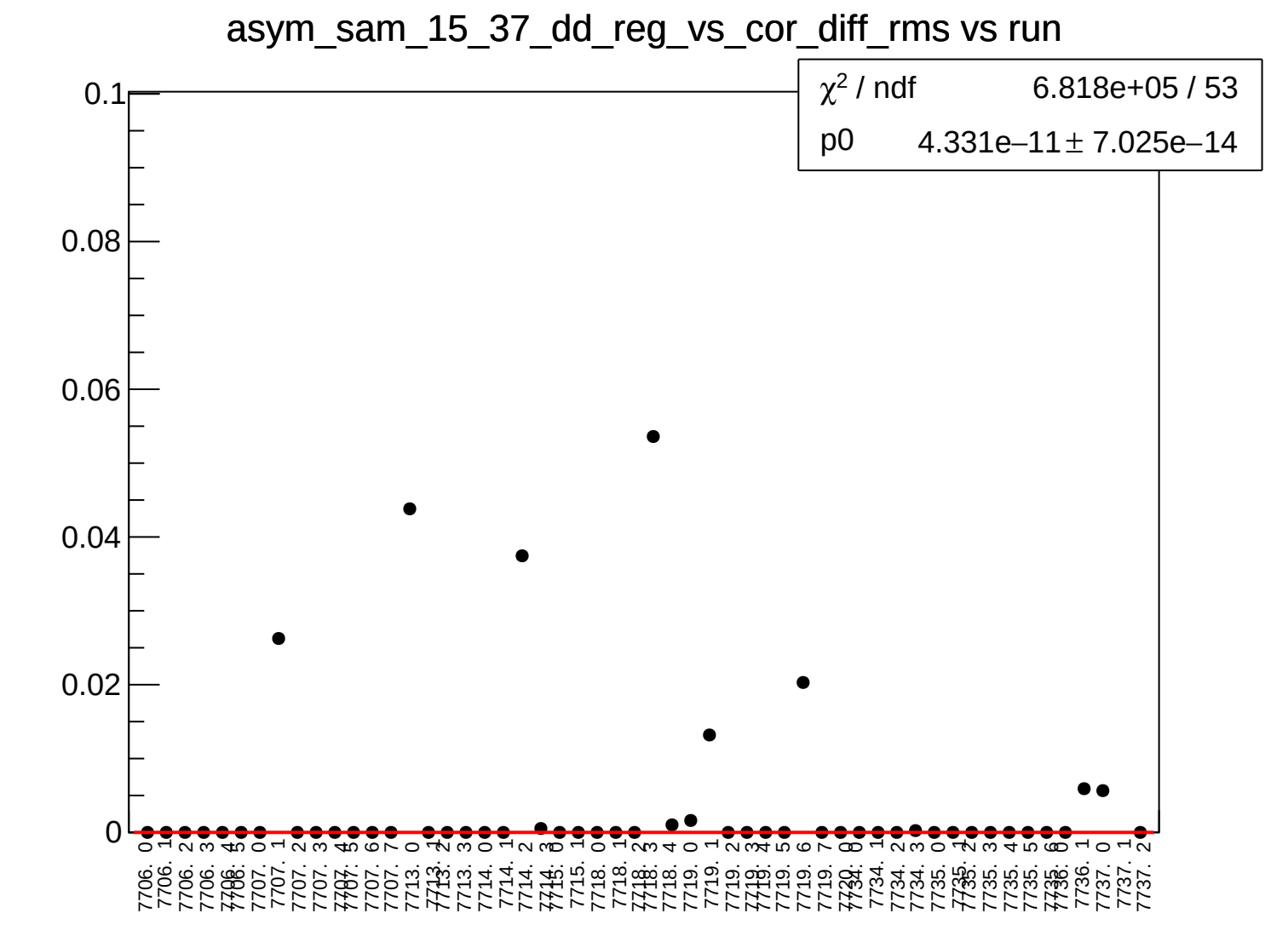

asym_sam_15_37_dd_mean vs run
χ² / ndf 35.06 / 53
p0 15.6 ± 1346
pull
Entries 54
Mean −1082
Std Dev 0

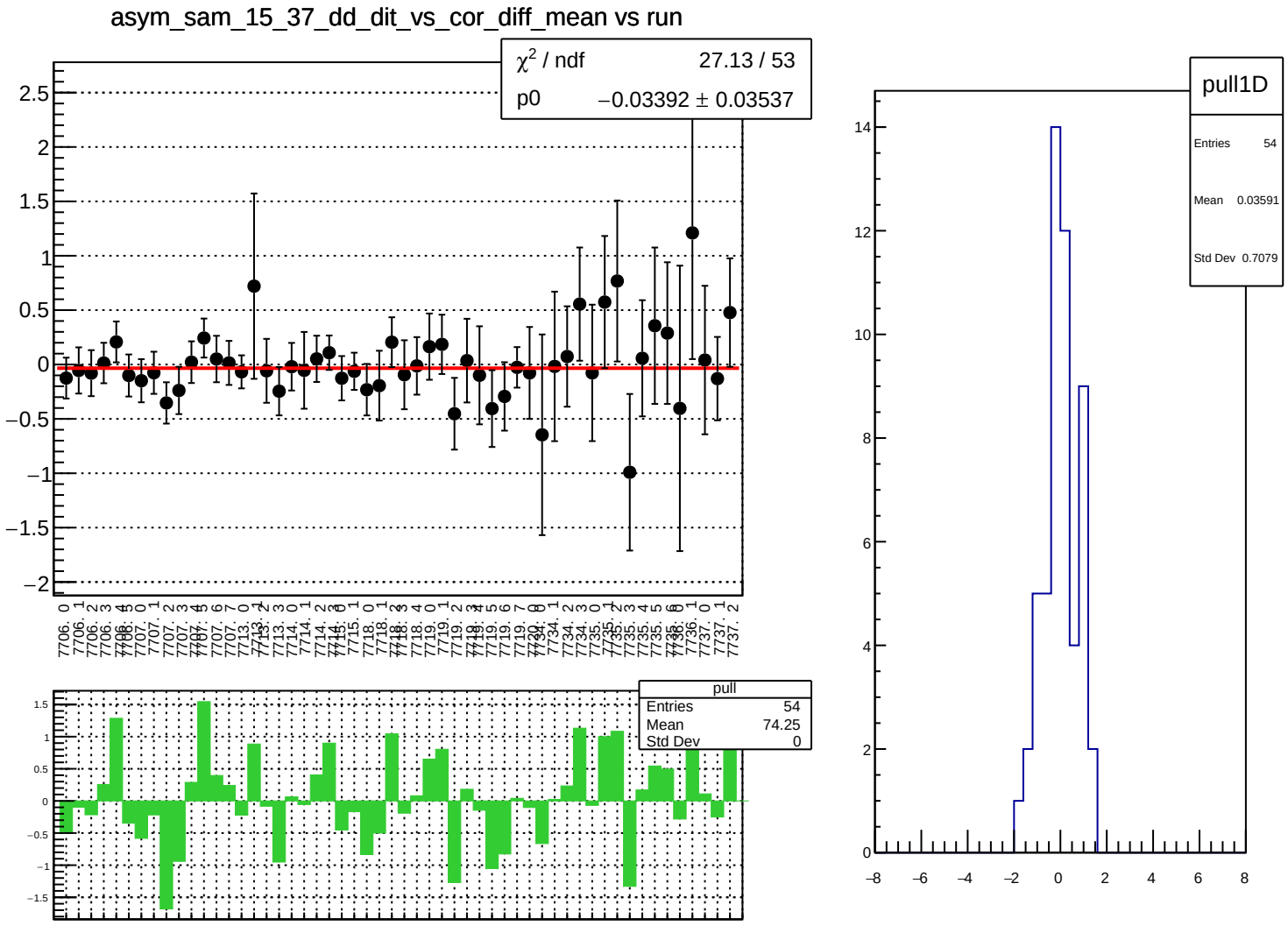

pull1D
Entries 54
Mean 0.004174
Std Dev 0.8058

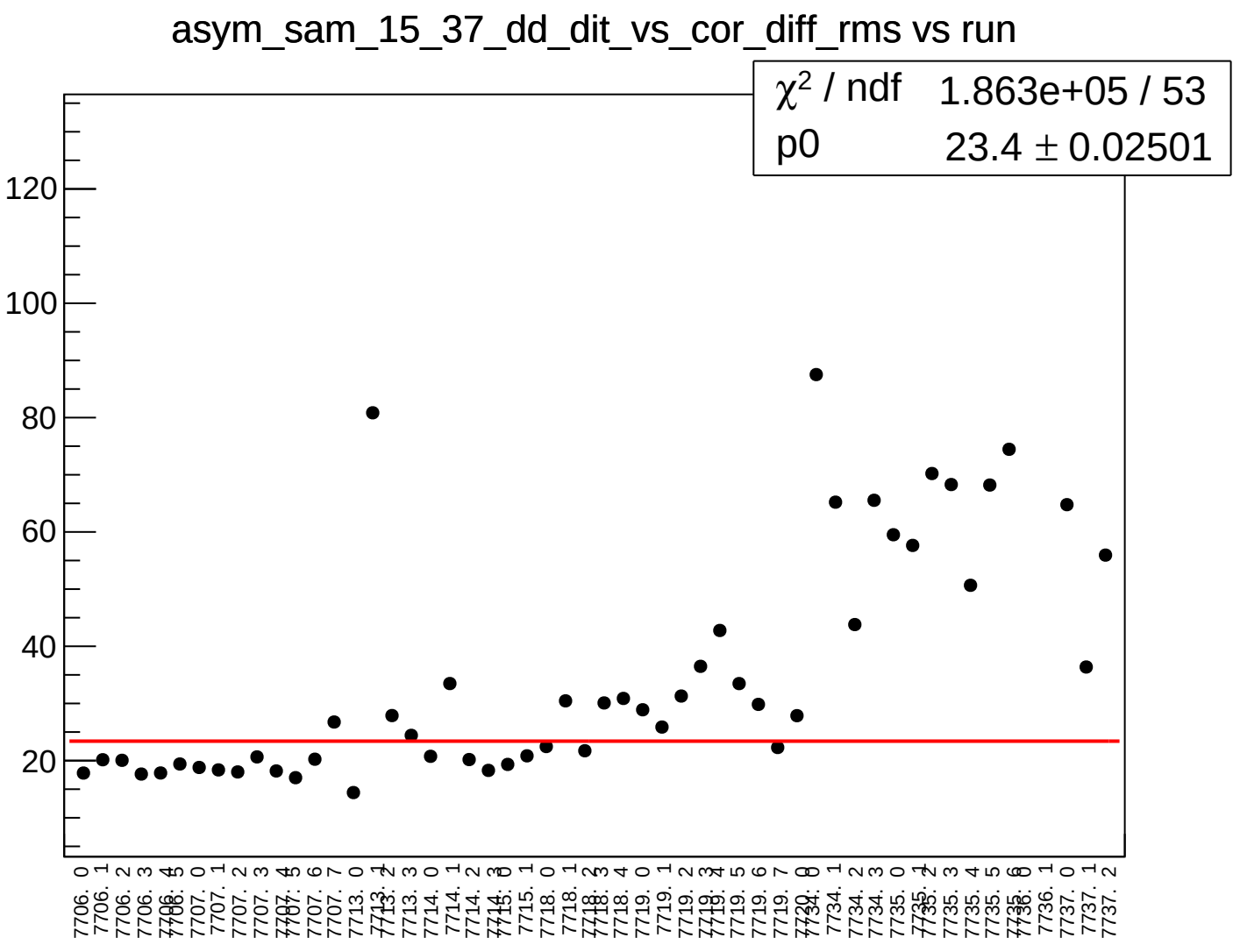

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.172e+04 / 53
p0 970.9 ± 0.9519
1400
1300
1200
1100
1000
900
800

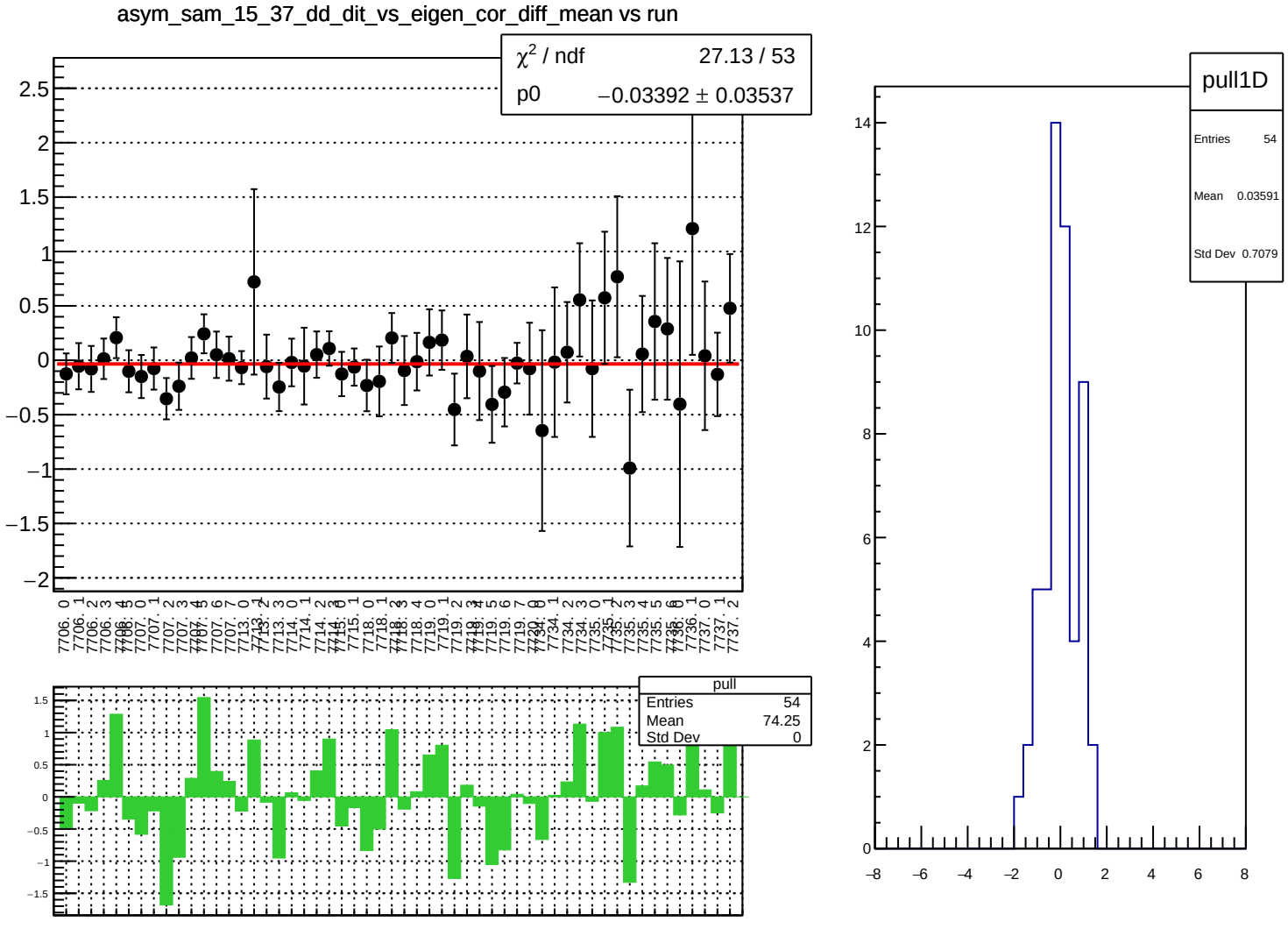

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.97 / 53
p0 −4.357e−16 ± 9.935e−14
pull
Entries 54
Mean −31.27
Std Dev 0

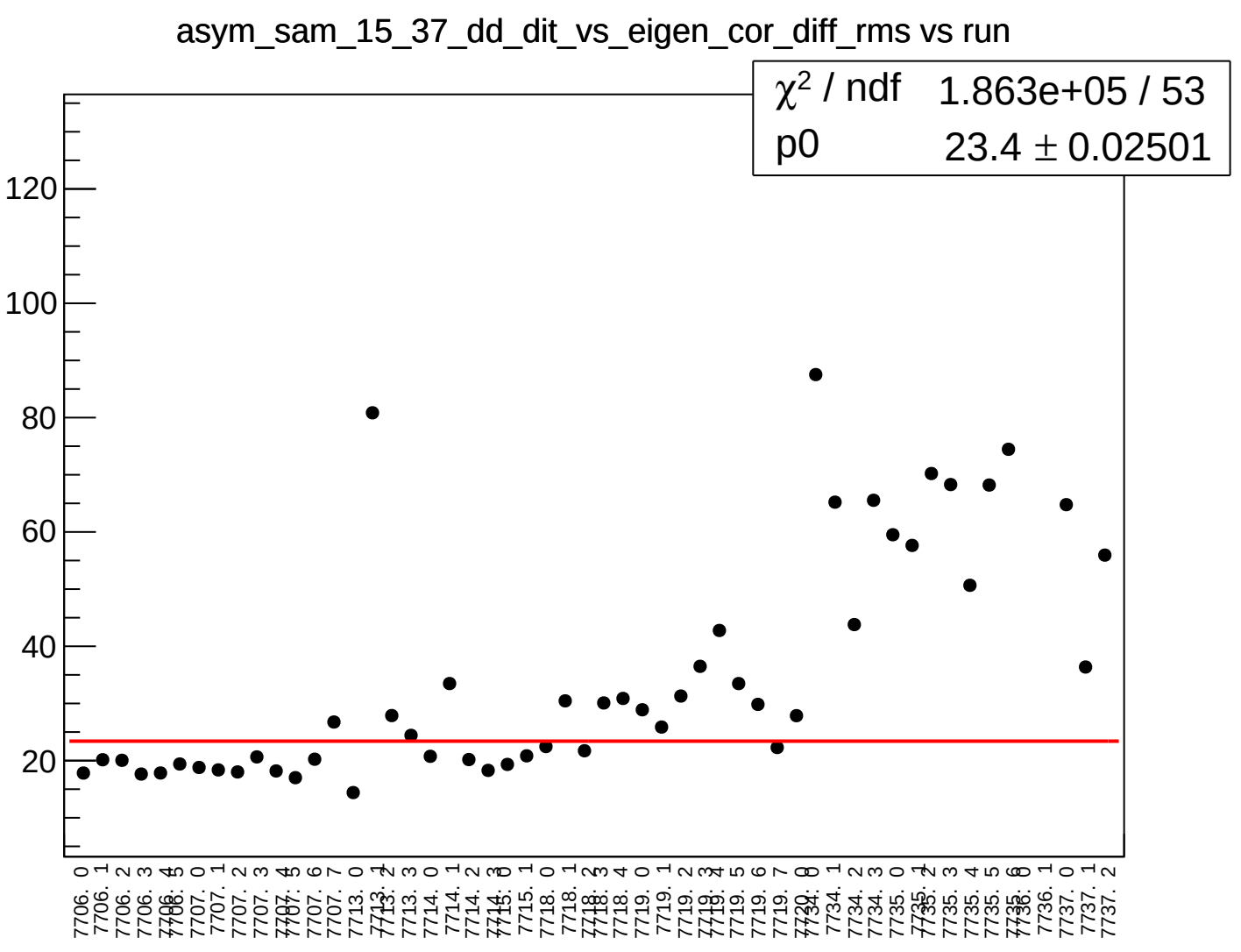

pull1D
Entries 54
Mean −0.04977
Std Dev 1.087

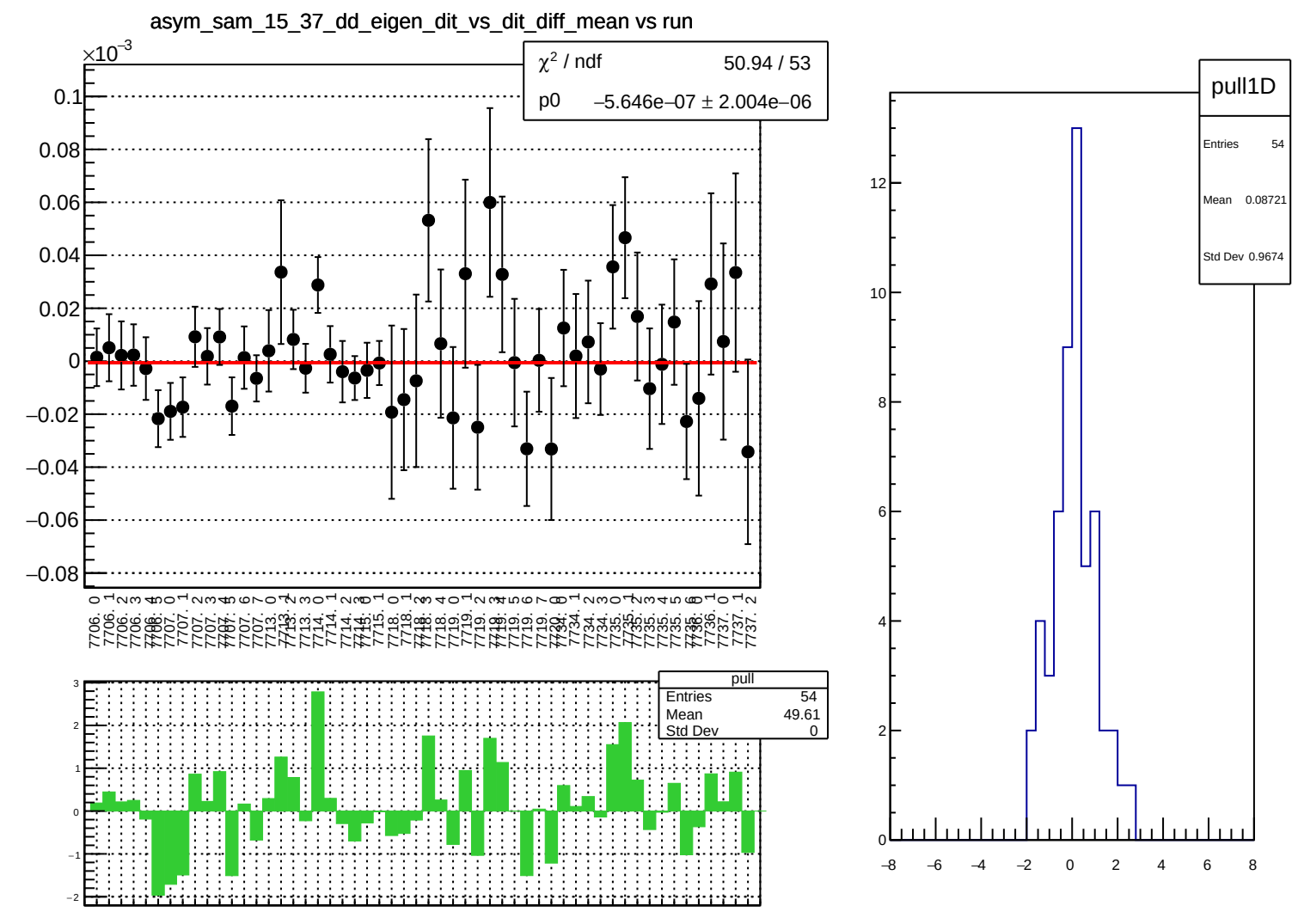

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.818e+05 / 53
p0 4.331e−11 ± 7.025e−14
0.1
0.08
0.06
0.04
0.02
0

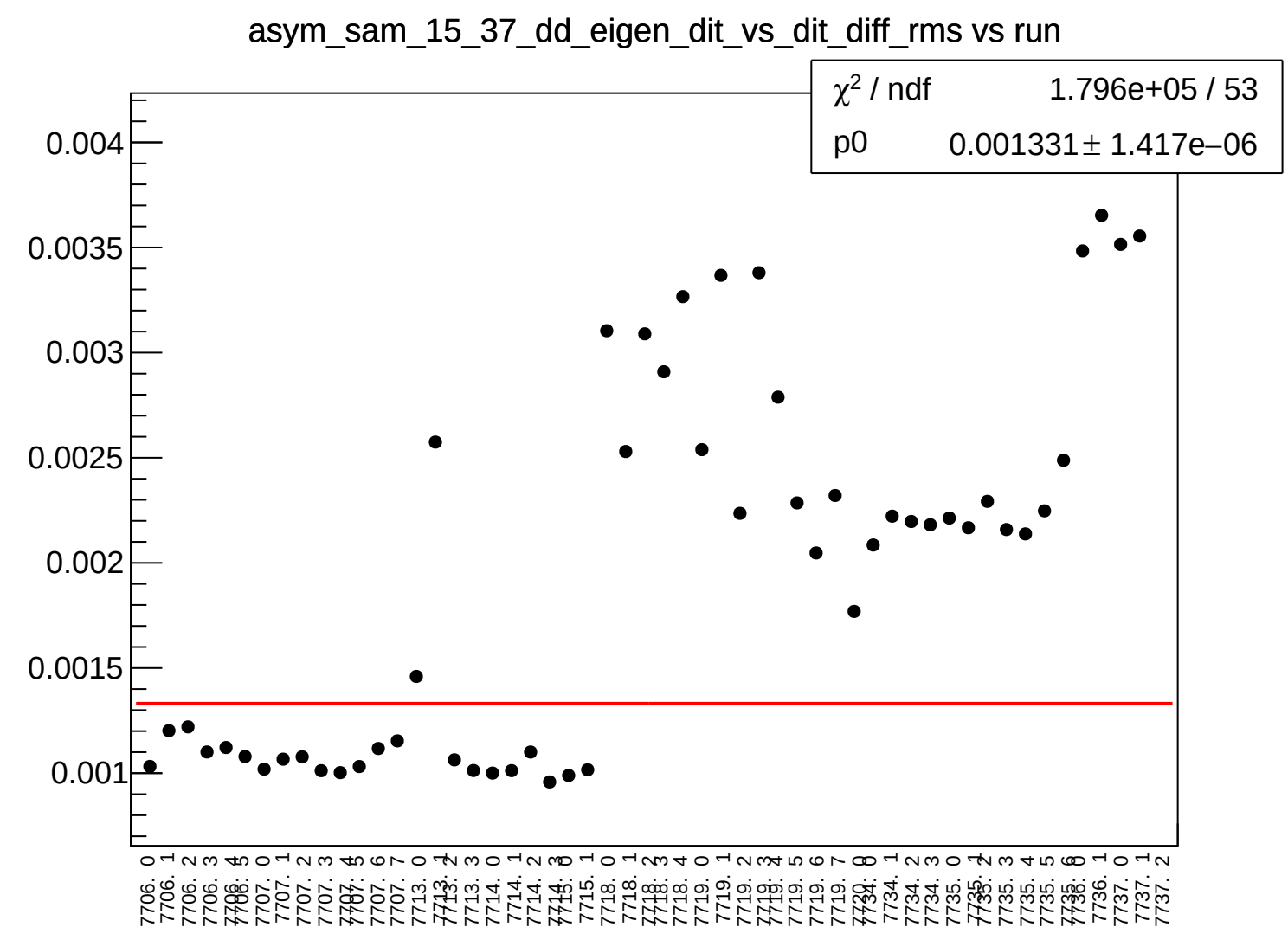

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.13 / 53
p0 −0.03392 ± 0.03537
pull
Entries 54
Mean 74.25
Std Dev 0
pull1D
Entries 54
Mean 0.03591
Std Dev 0.7079

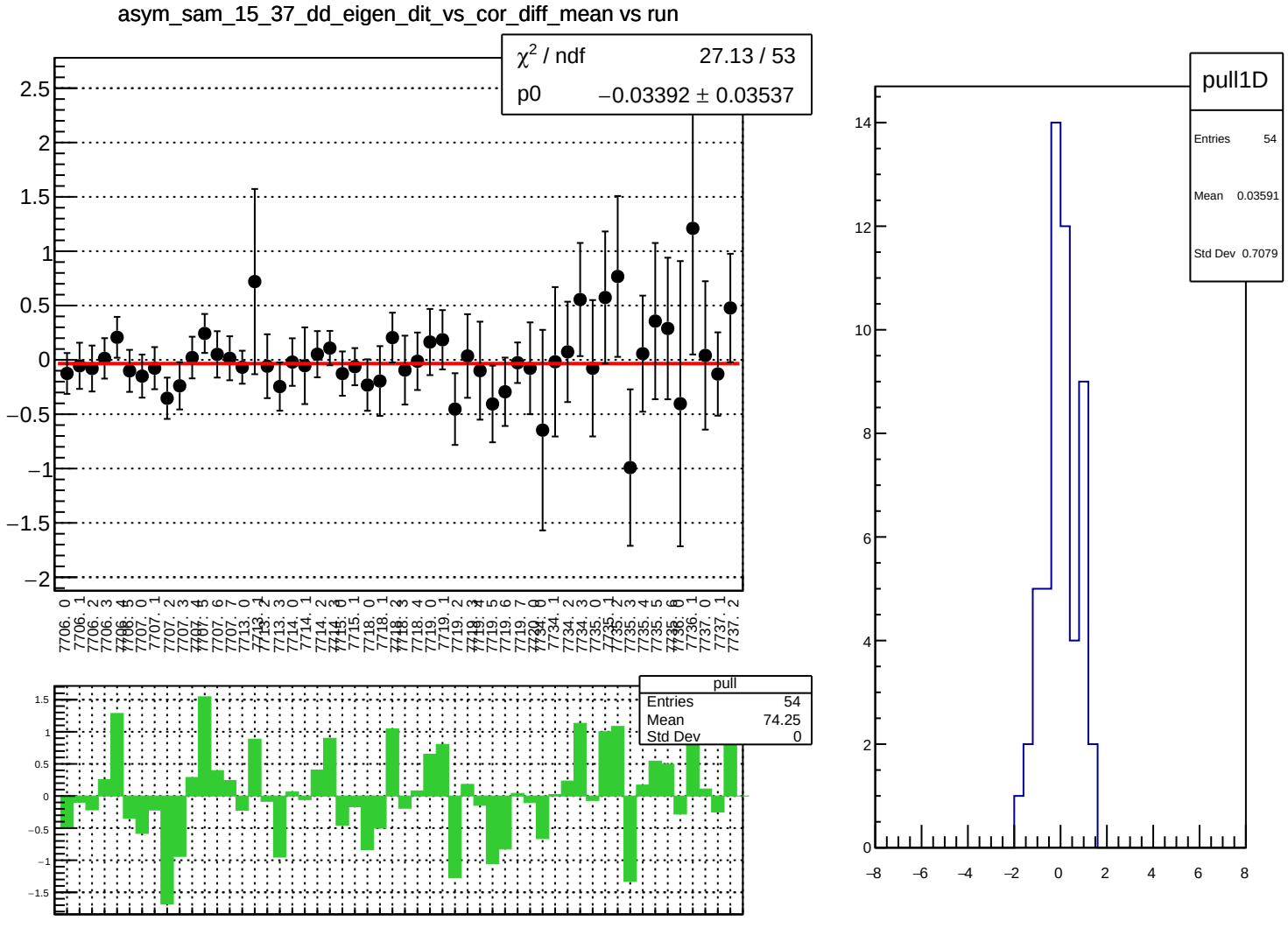

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.863e+05 / 53
p0 23.4 ± 0.02501
120
100
80
60
40
20

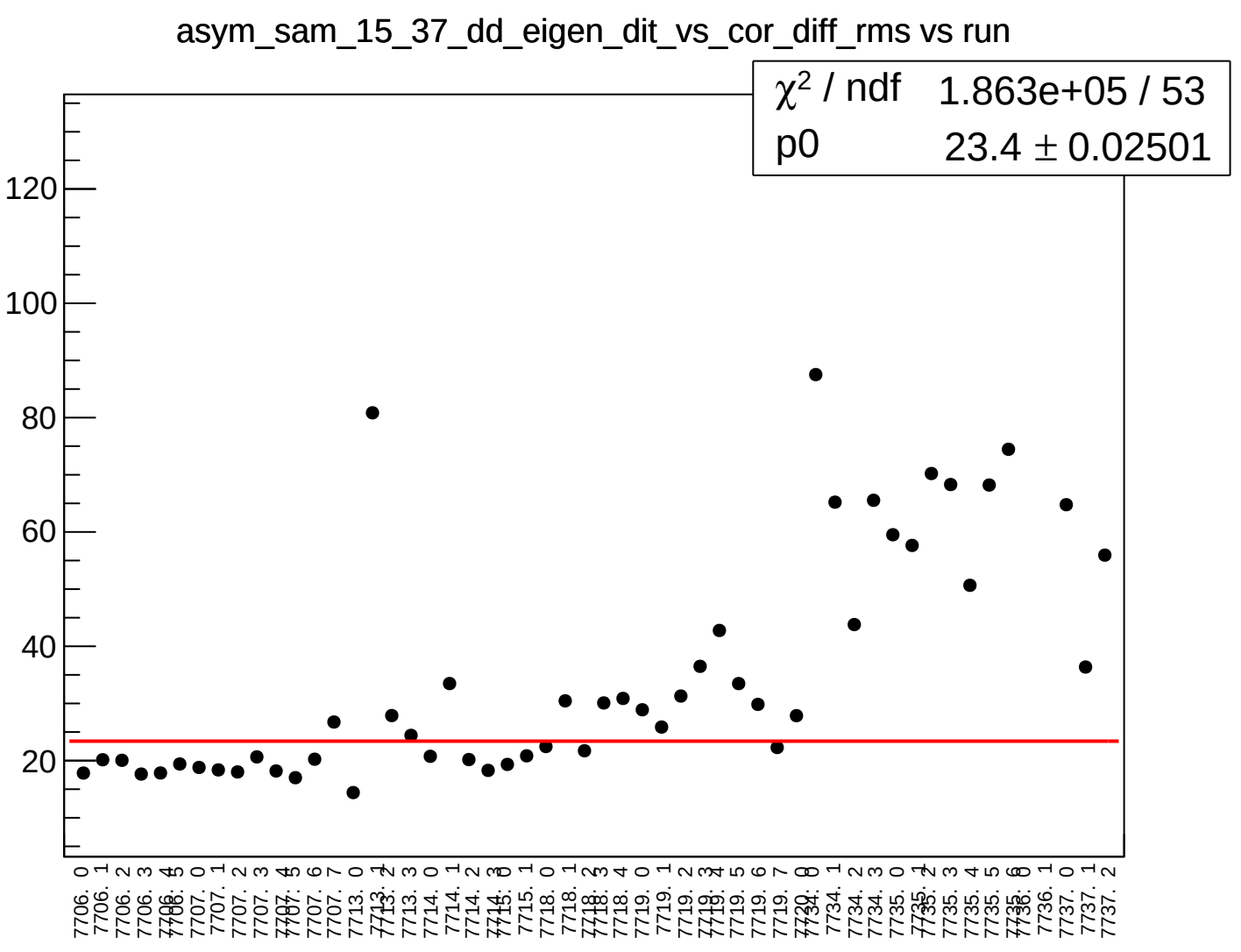

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.13 / 53
p0 −0.03392 ± 0.03537
pull
Entries 54
Mean 74.25
Std Dev 0
pull1D
Entries 54
Mean 0.03591
Std Dev 0.7079

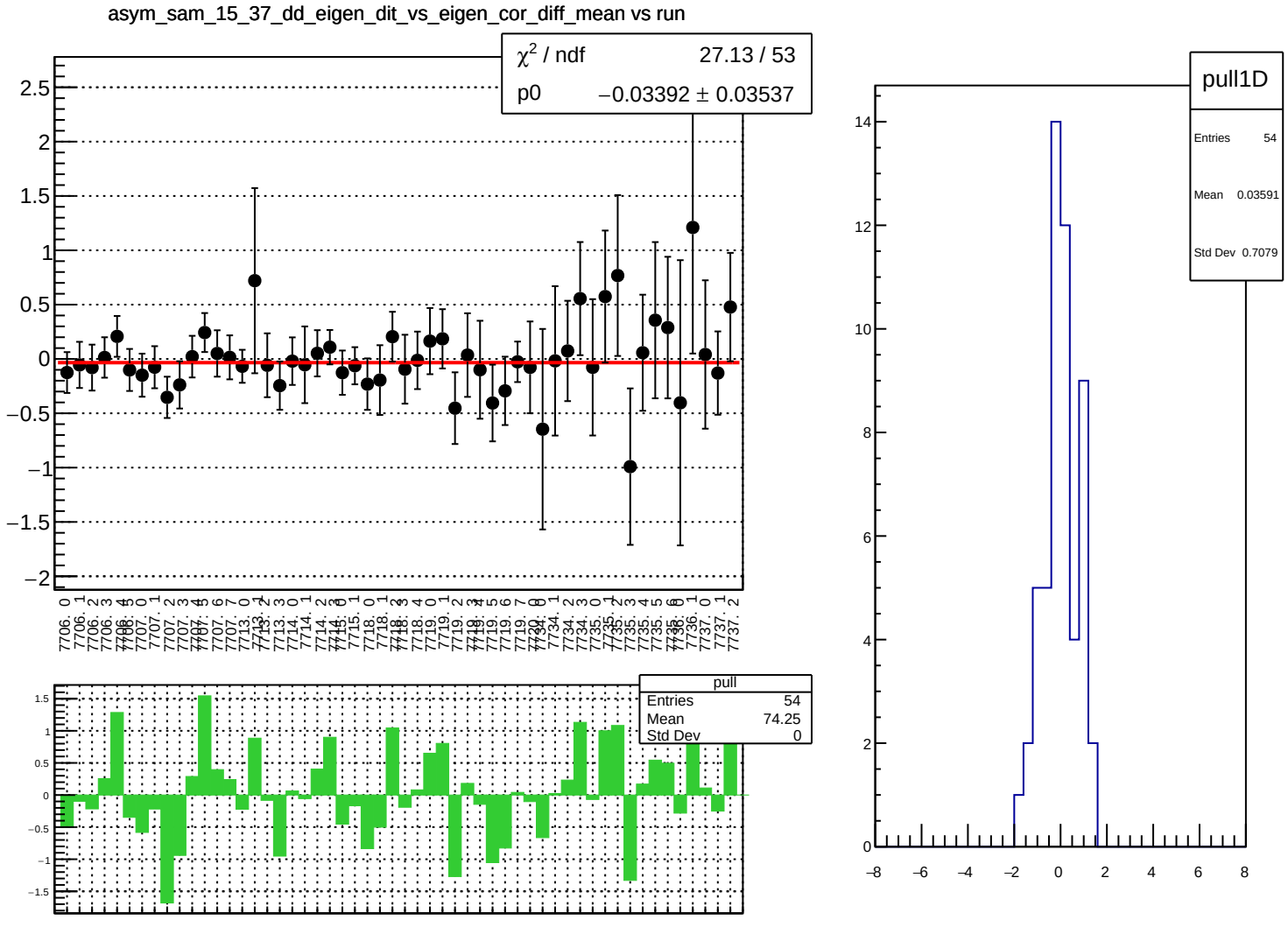

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.863e+05 / 53
p0 23.4 ± 0.02501
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

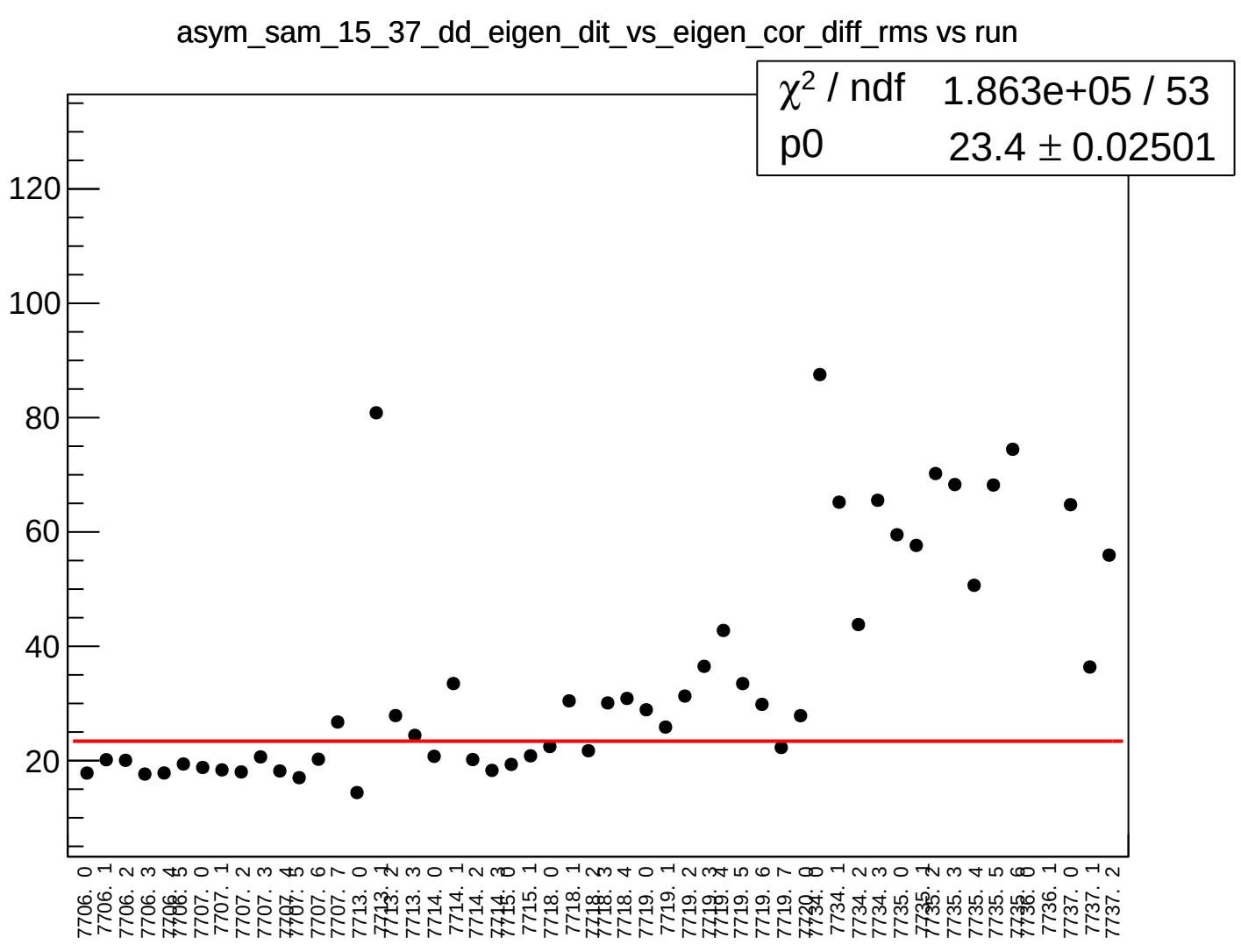

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.94 / 53
p0 −5.646e−07 ± 2.004e−06
pull
Entries 54
Mean 49.61
Std Dev 0
pull1D
Entries 54
Mean 0.08721
Std Dev 0.9674

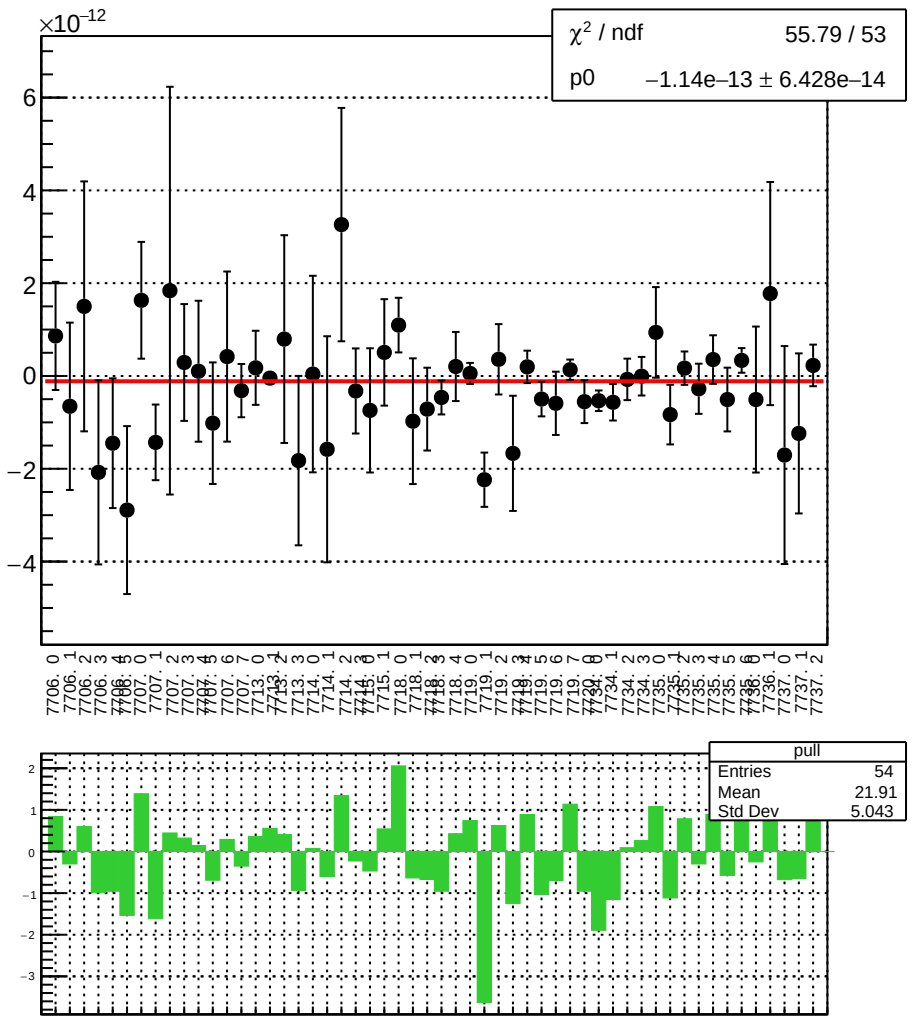

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.796e+05 / 53
p0 0.001331 ± 1.417e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

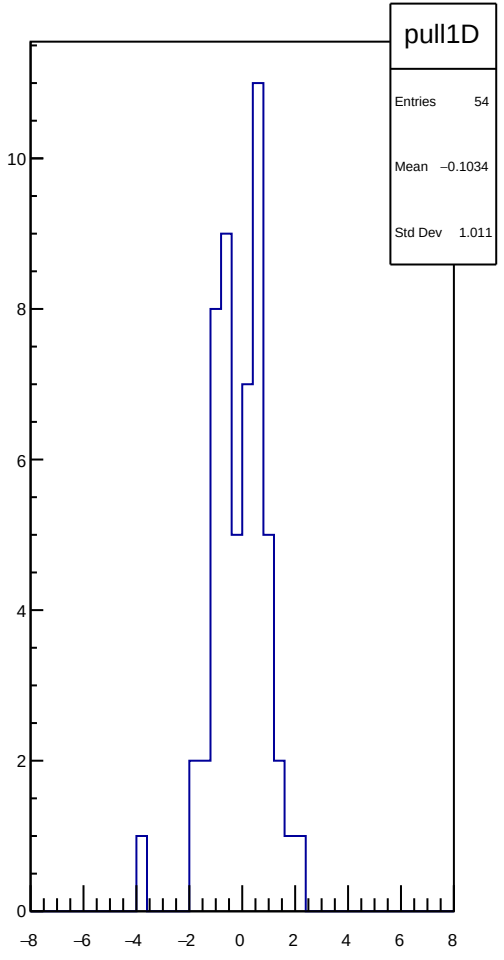

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.13 / 53
p0 −0.03392 ± 0.03537
pull
Entries 54
Mean 74.25
Std Dev 0
pull1D
Entries 54
Mean 0.03591
Std Dev 0.7079

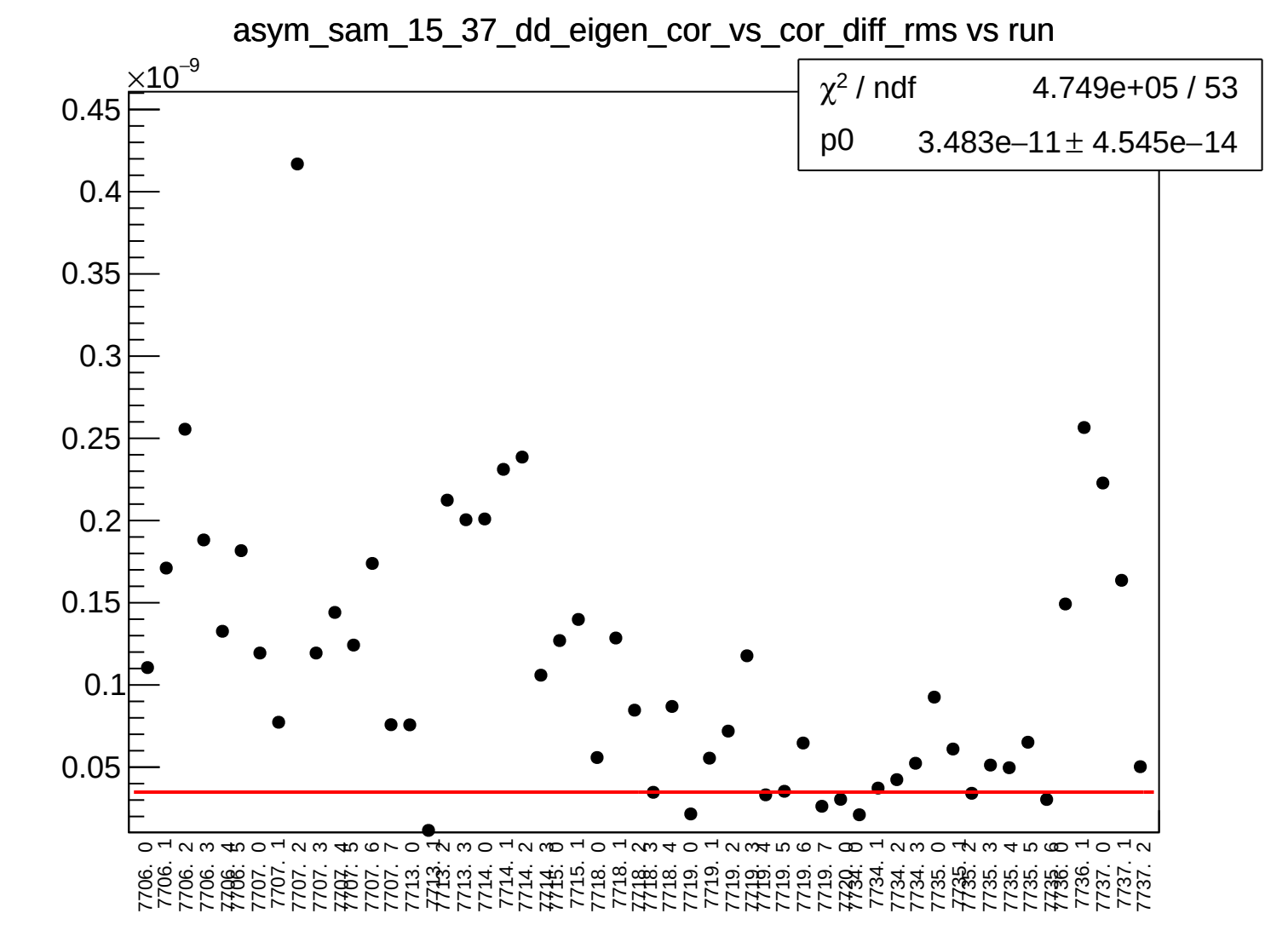

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.863e+05 / 53
p0 23.4 ± 0.02501
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

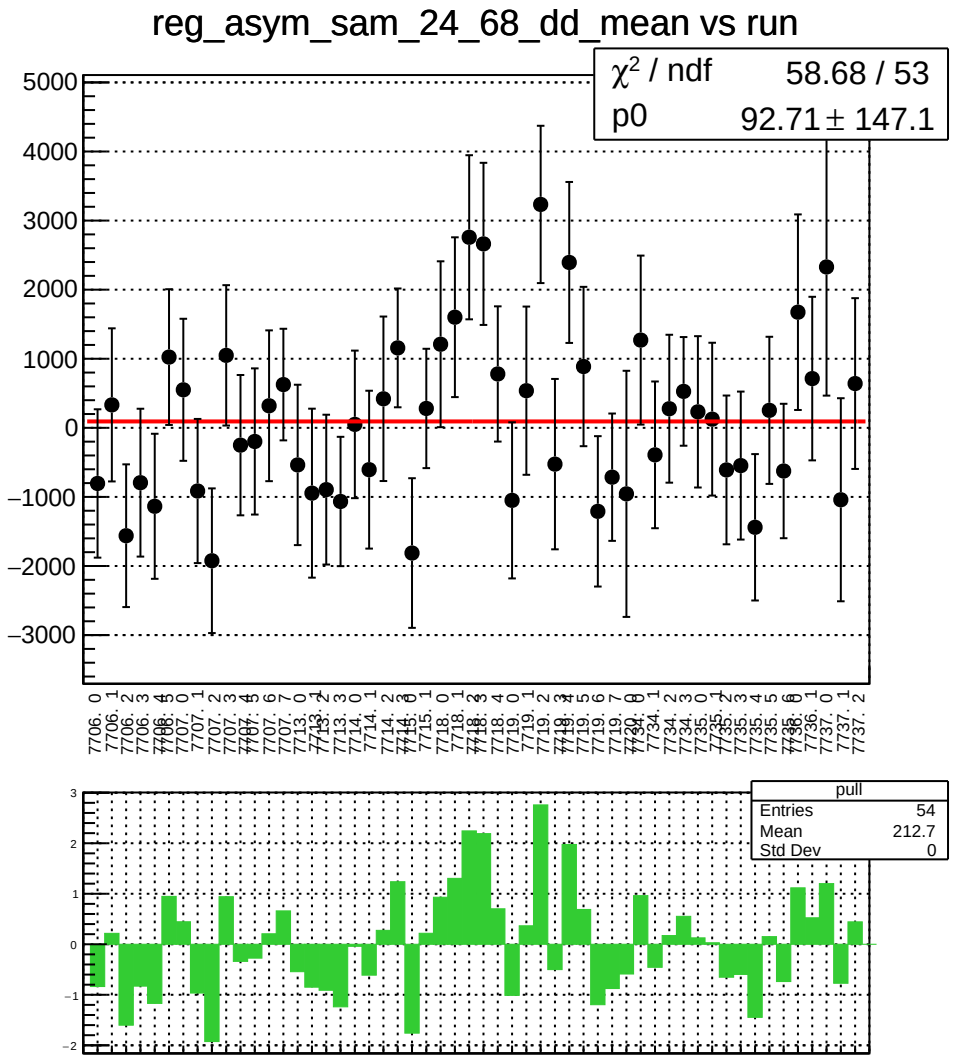

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.13 / 53
p0 −0.03392 ± 0.03537
pull
Entries 54
Mean 74.25
Std Dev 0
pull1D
Entries 54
Mean 0.03591
Std Dev 0.7079

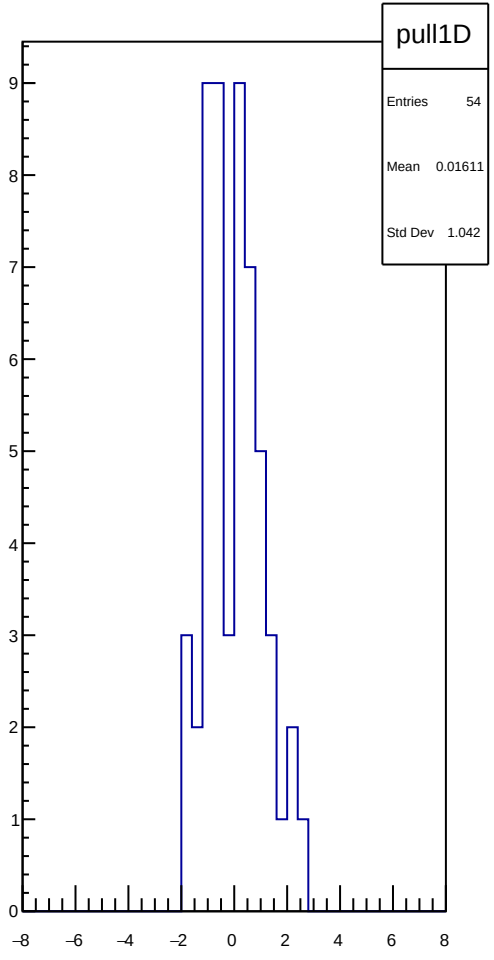

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.863e+05 / 53
p0 23.4 ± 0.02501
120
100
80
60
40
20

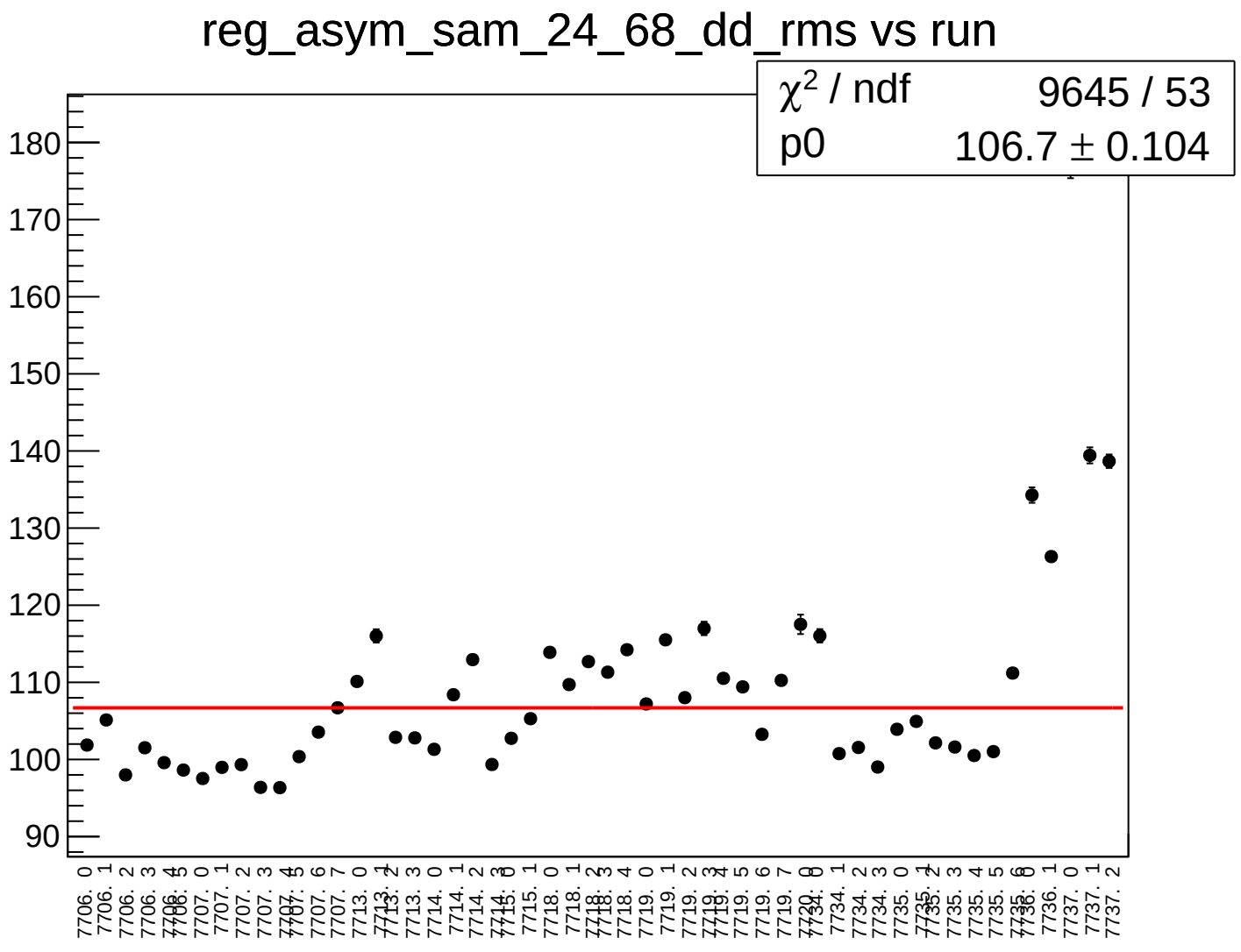

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.79 / 53
p0 −1.14e−13 ± 6.428e−14
pull
Entries 54
Mean 21.91
Std Dev 5.043

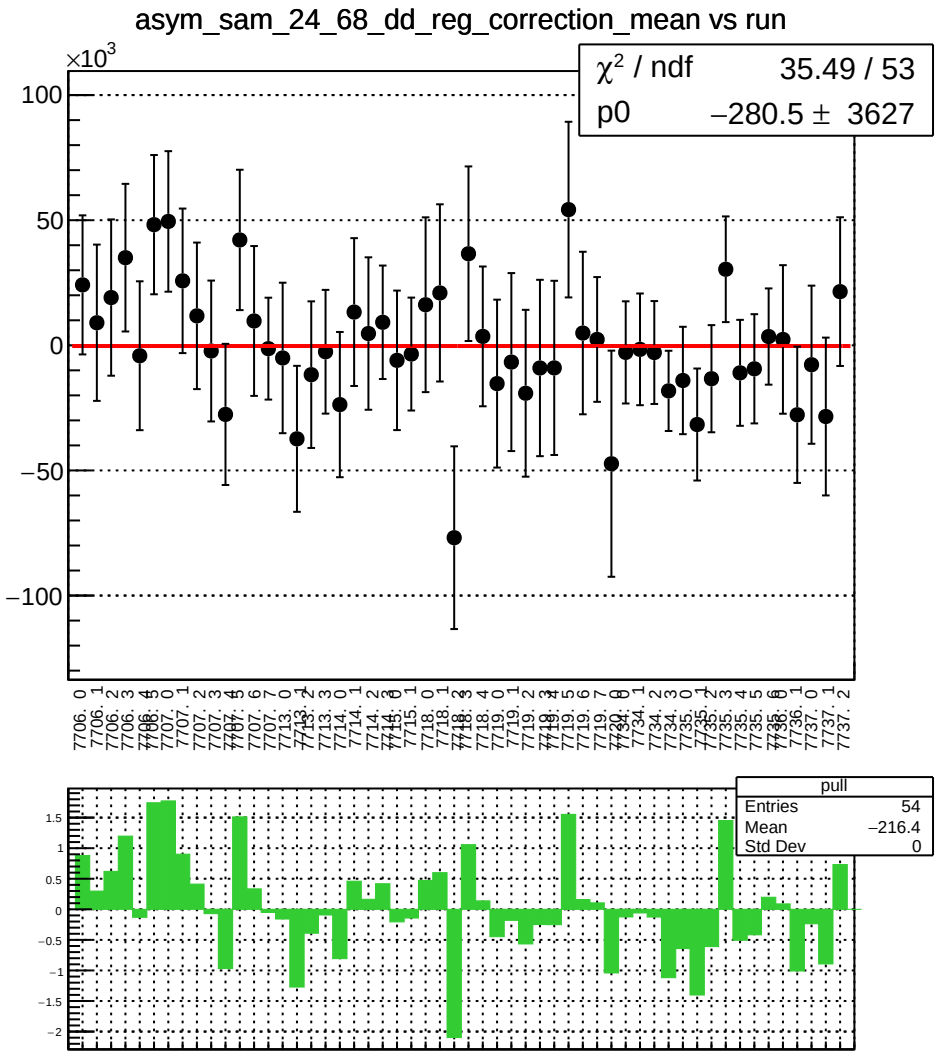

pull1D
Entries 54
Mean −0.1034
Std Dev 1.011

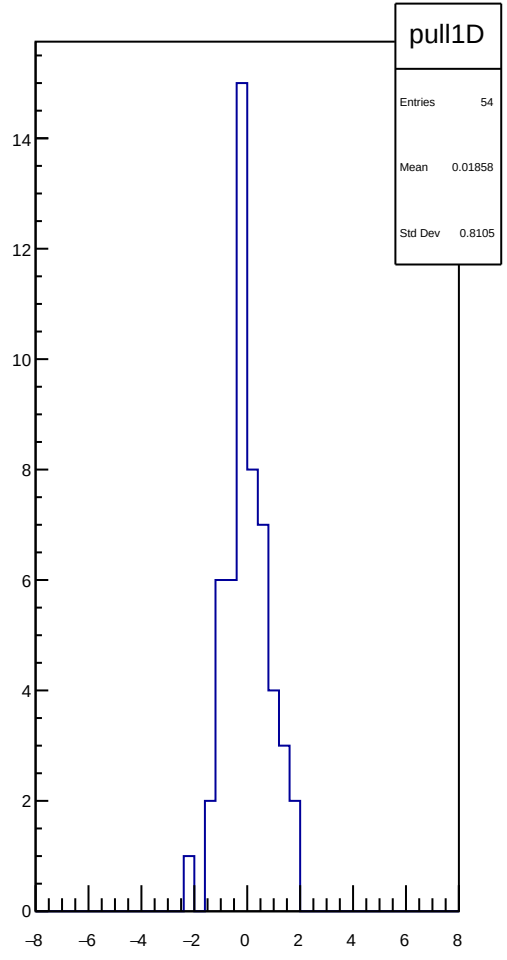

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.749e+05 / 53
p0 3.483e−11 ± 4.545e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

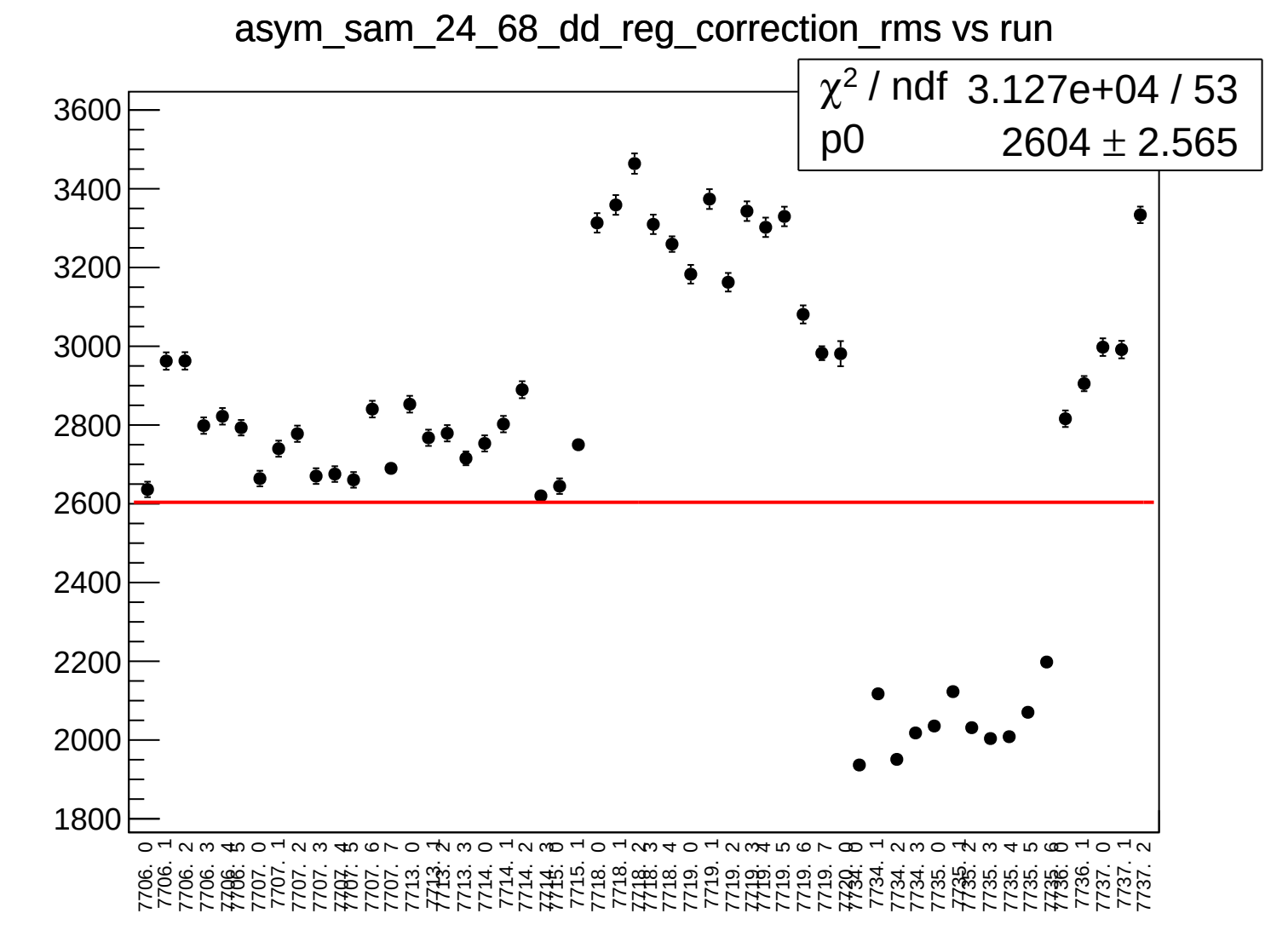

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.68 / 53
p0 92.71 ± 147.1
pull
Entries 54
Mean 212.7
Std Dev 0

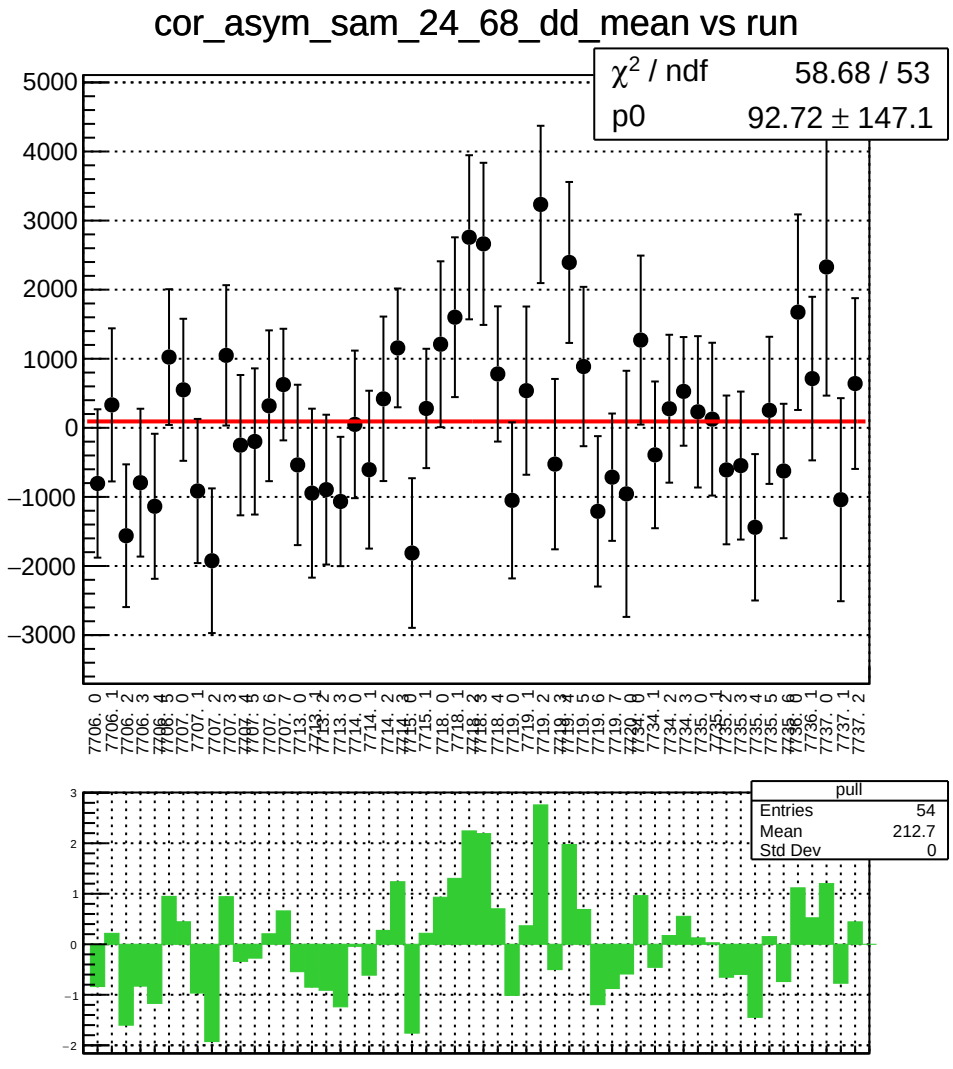

pull1D
Entries 54
Mean 0.01611
Std Dev 1.042

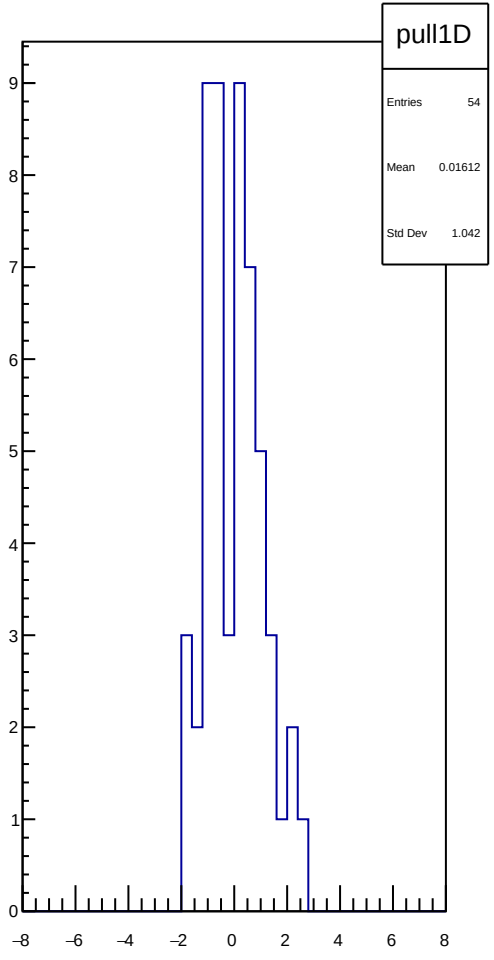

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 9645 / 53
p0 106.7 ± 0.104
180
170
160
150
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

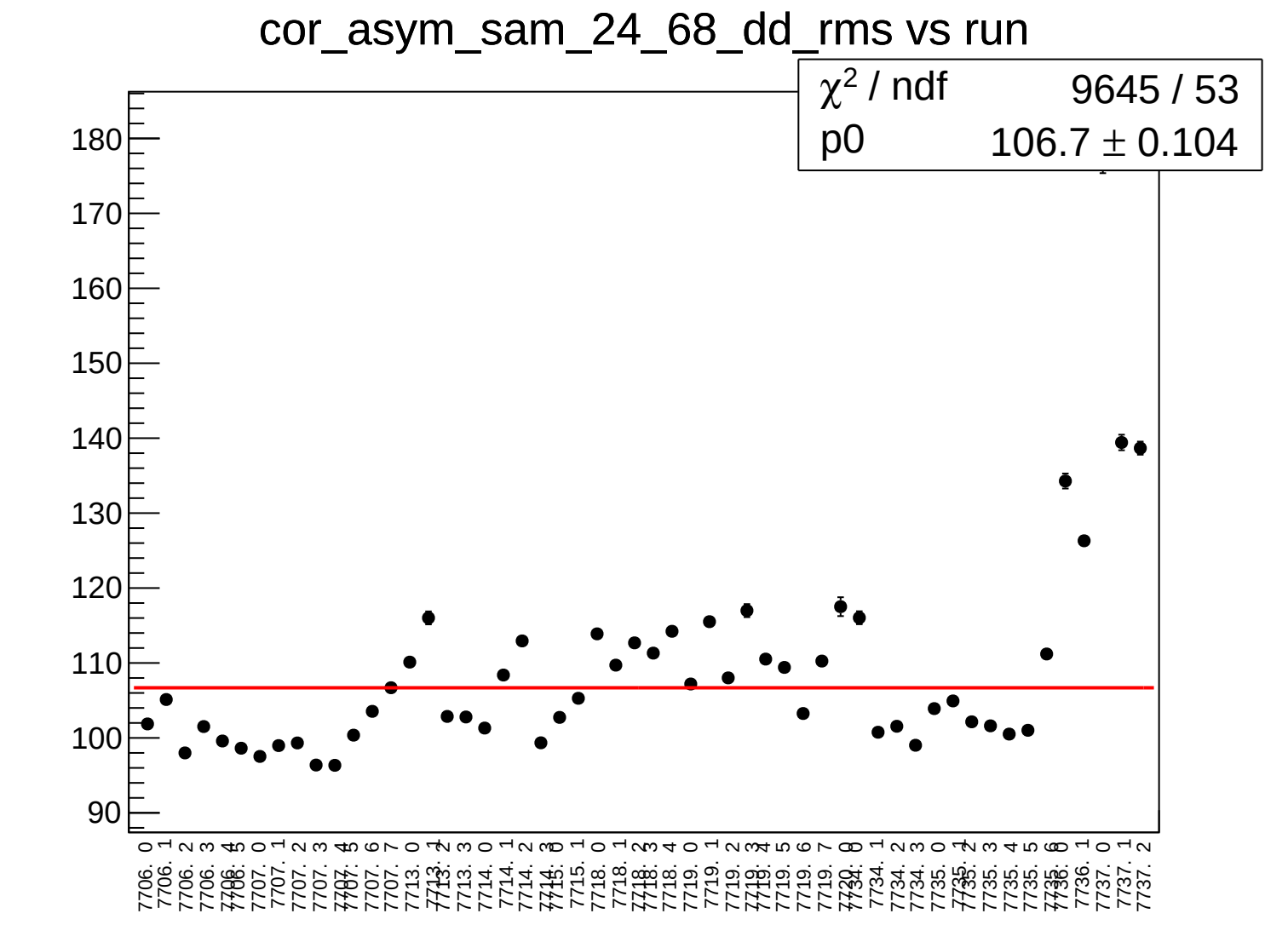

asym_sam_24_68_dd_reg_correction_mean vs run
×10^3
χ² / ndf 35.49 / 53
p0 −280.5 ± 3627
pull
Entries 54
Mean −216.4
Std Dev 0

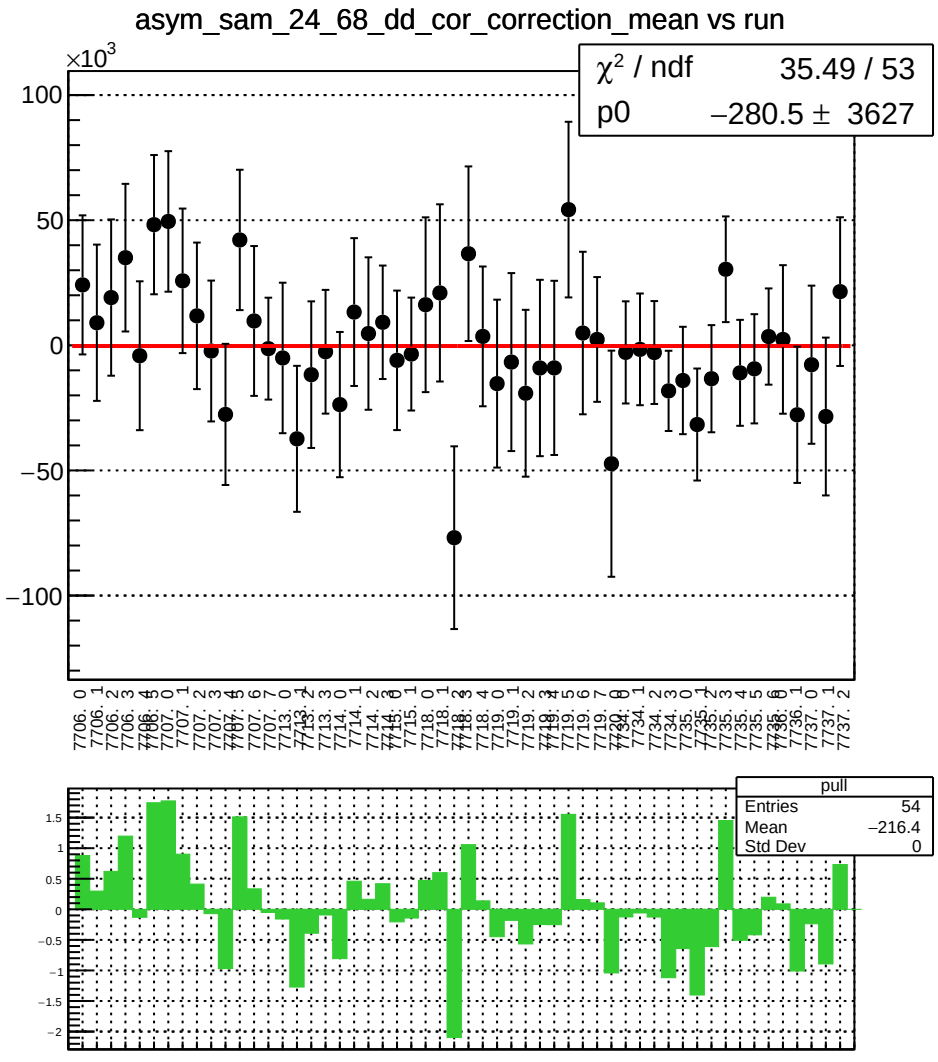

pull1D
Entries 54
Mean 0.01858
Std Dev 0.8105

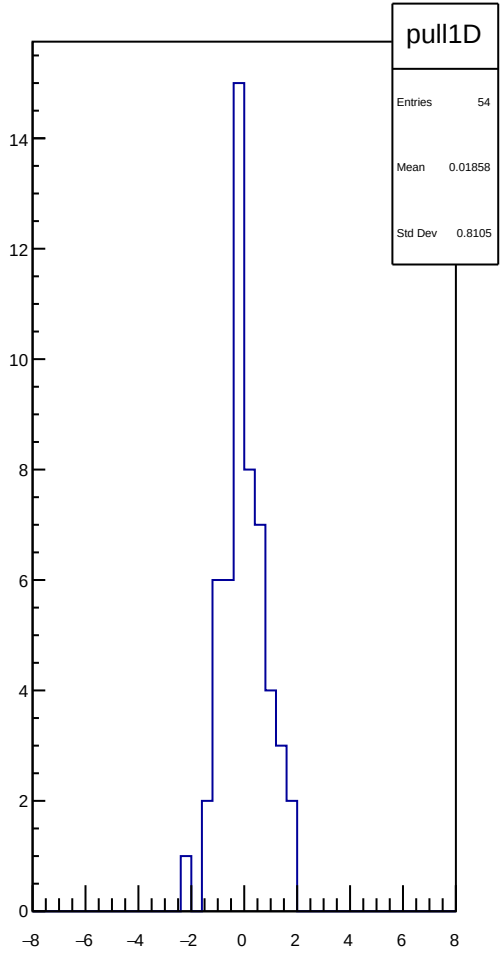

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3.127e+04 / 53
p0 2604 ± 2.565
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

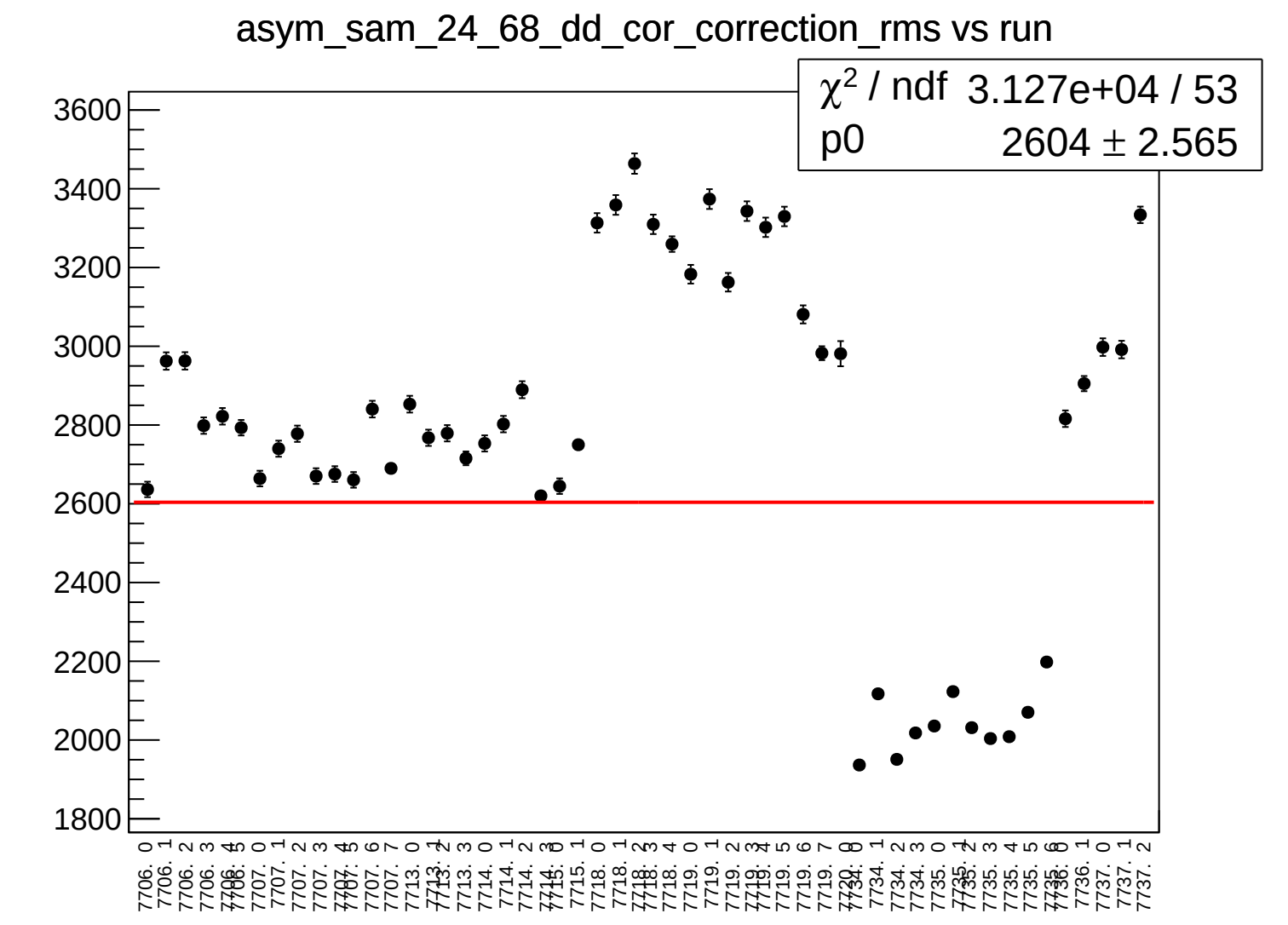

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.68 / 53
p0 92.72 ± 147.1
pull
Entries 54
Mean 212.7
Std Dev 0

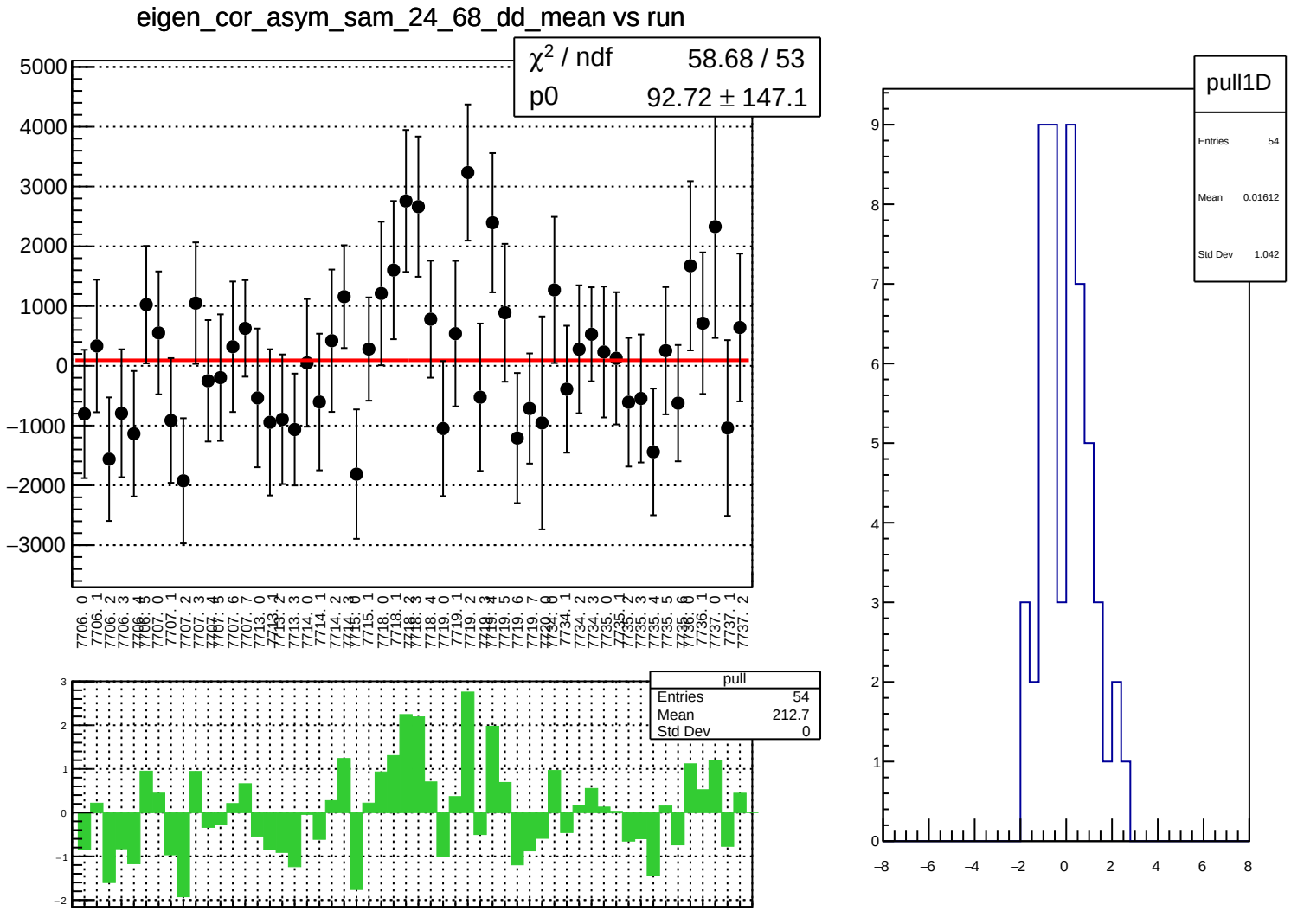

pull1D
Entries 54
Mean 0.01612
Std Dev 1.042

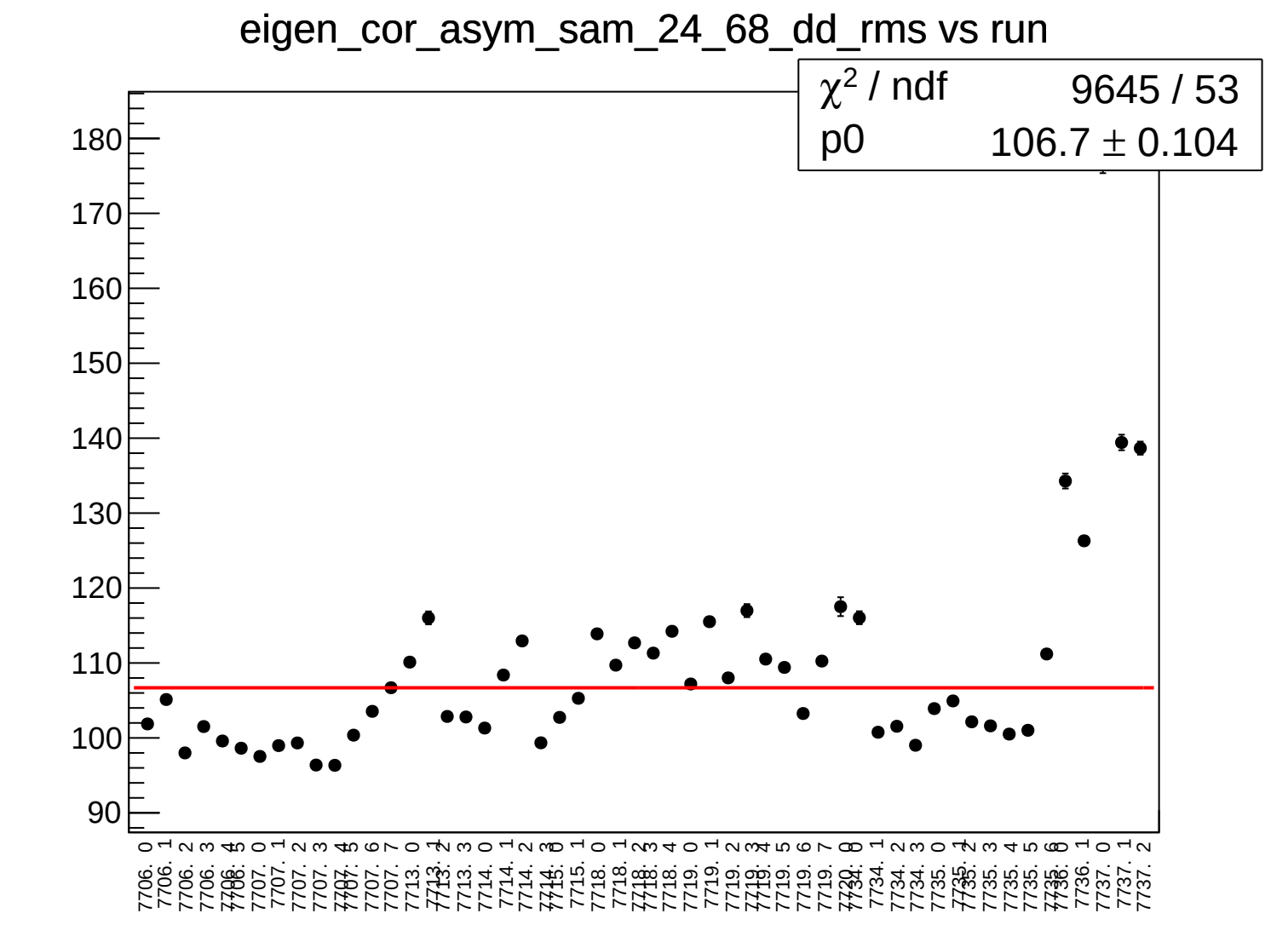

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 9645 / 53
p0 106.7 ± 0.104
180
170
160
150
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

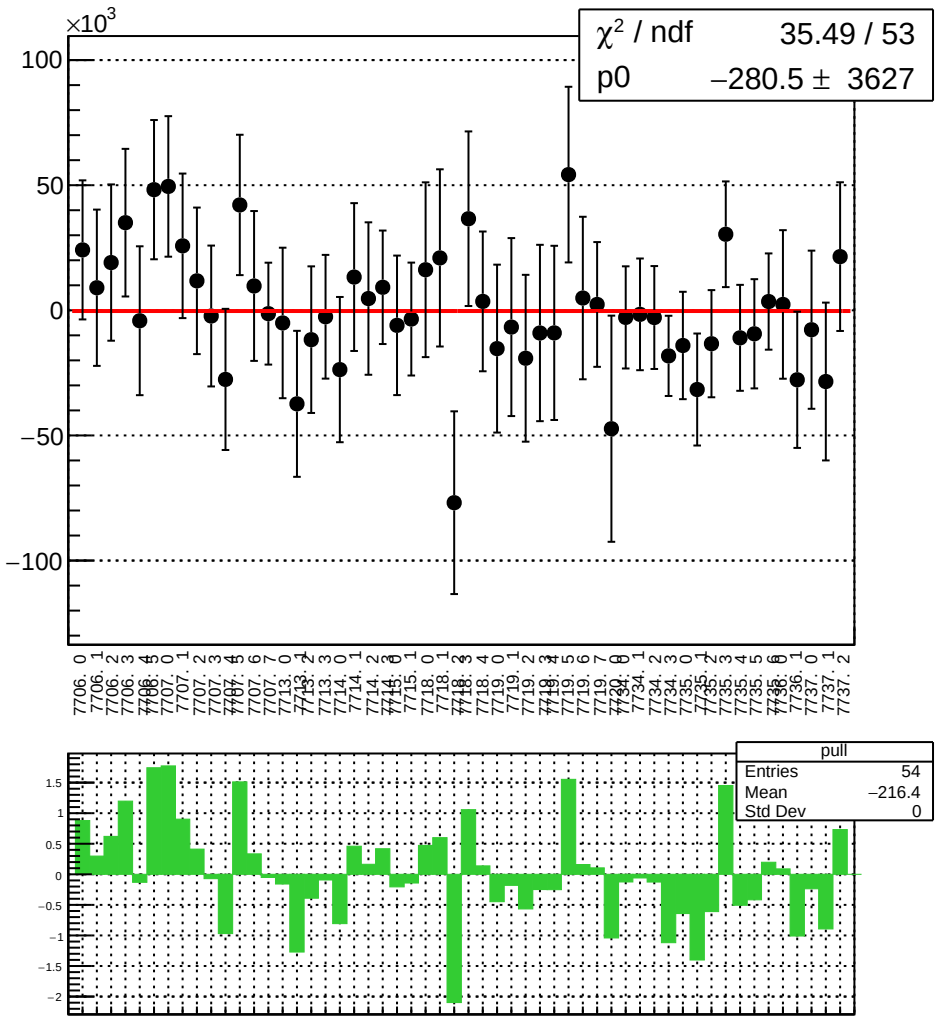

asym_sam_24_68_dd_cor_correction_mean vs run
×10^3
χ² / ndf 35.49 / 53
p0 −280.5 ± 3627
pull
Entries 54
Mean −216.4
Std Dev 0

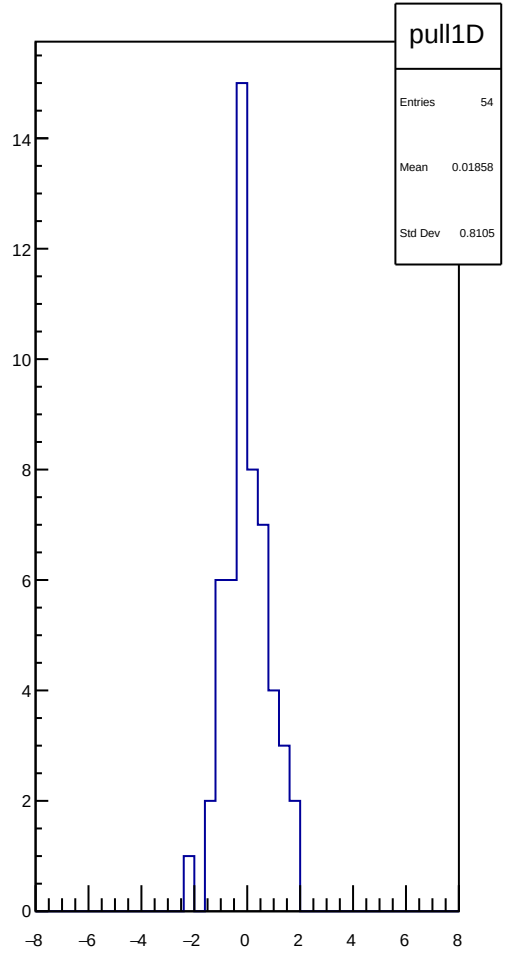

pull1D
Entries 54
Mean 0.01858
Std Dev 0.8105

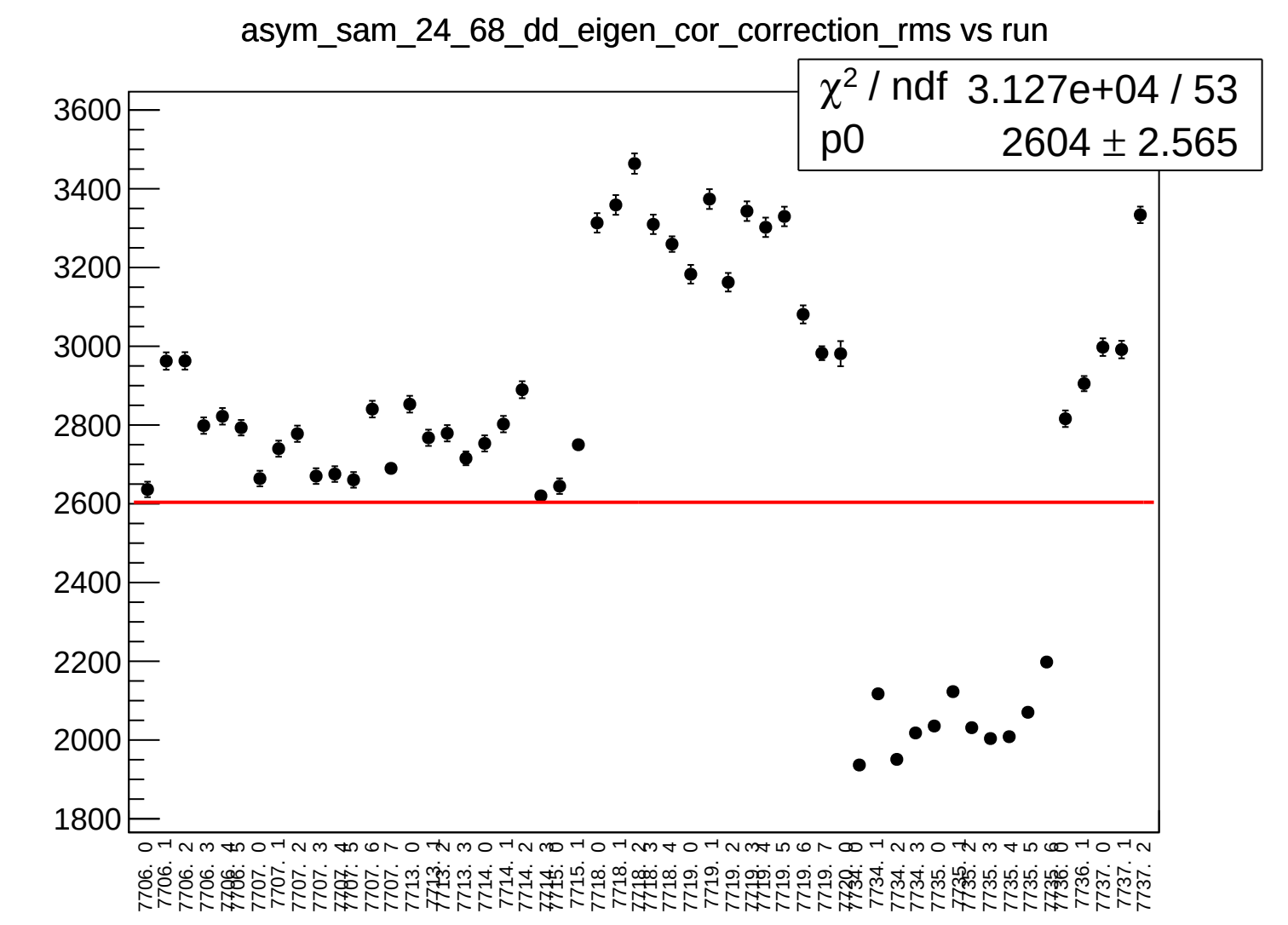

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3.127e+04 / 53
p0 2604 ± 2.565
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

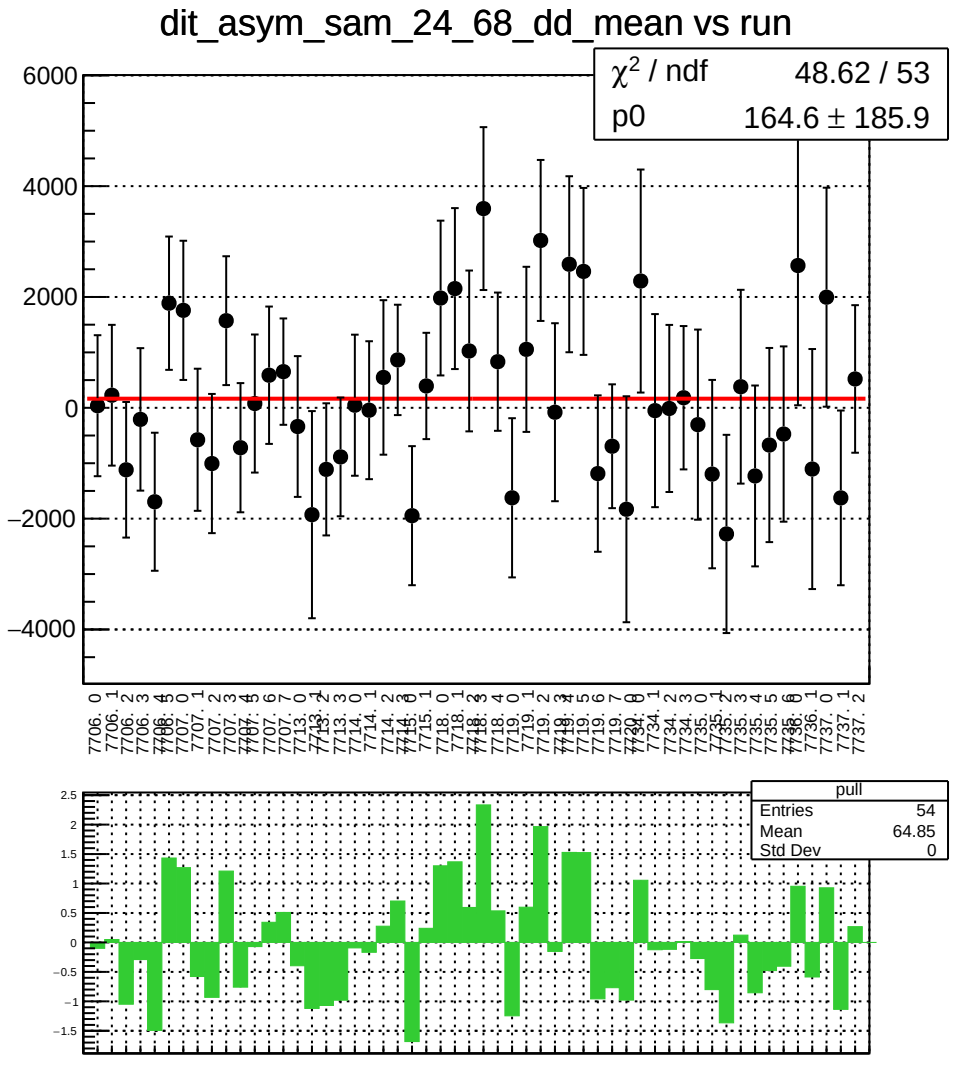

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.68 / 53
p0 92.72 ± 147.1
pull
Entries 54
Mean 212.7
Std Dev 0
pull1D
Entries 54
Mean 0.01612
Std Dev 1.042

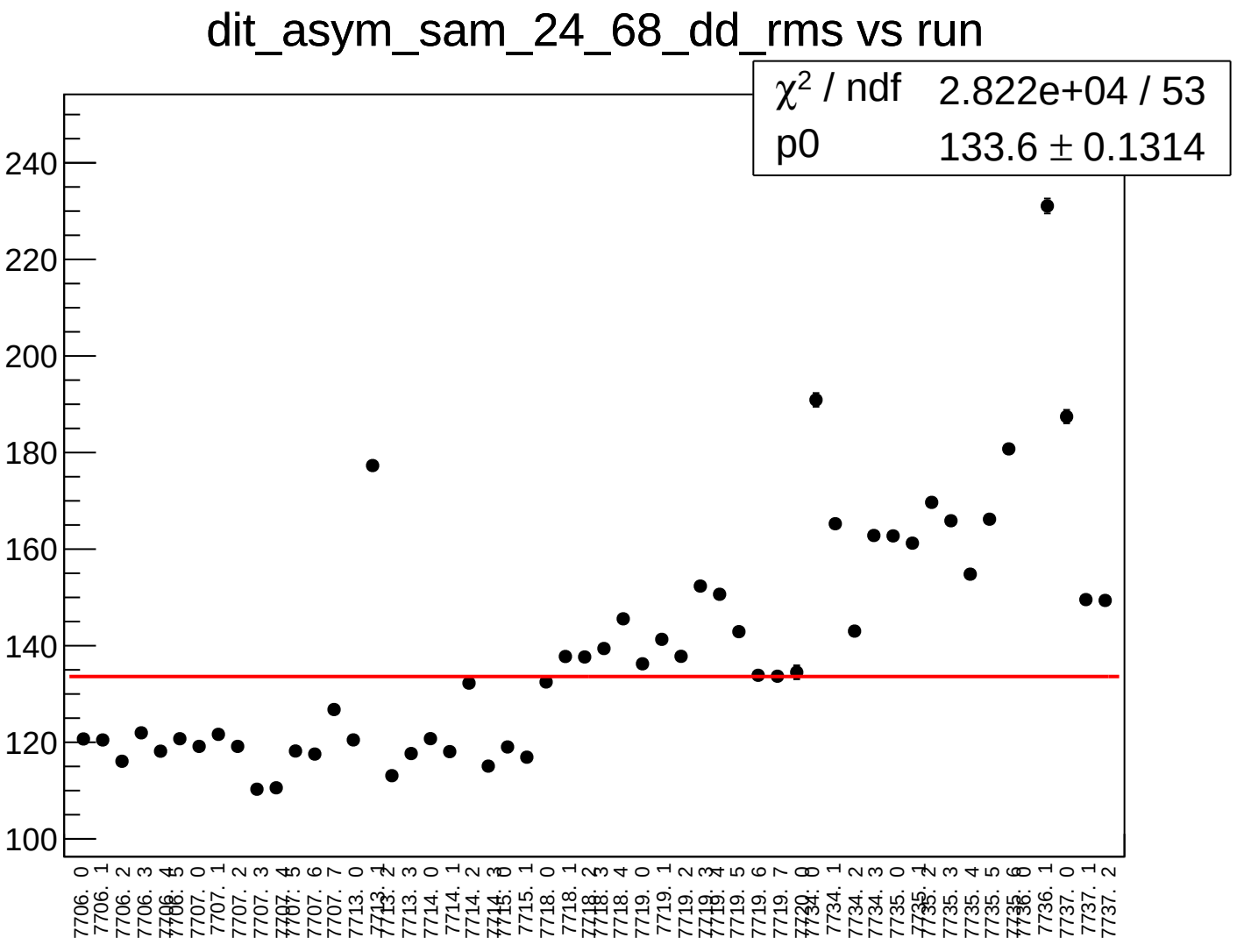

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 9645 / 53
p0 106.7 ± 0.104
180
170
160
150
140
130
120
110
100
90

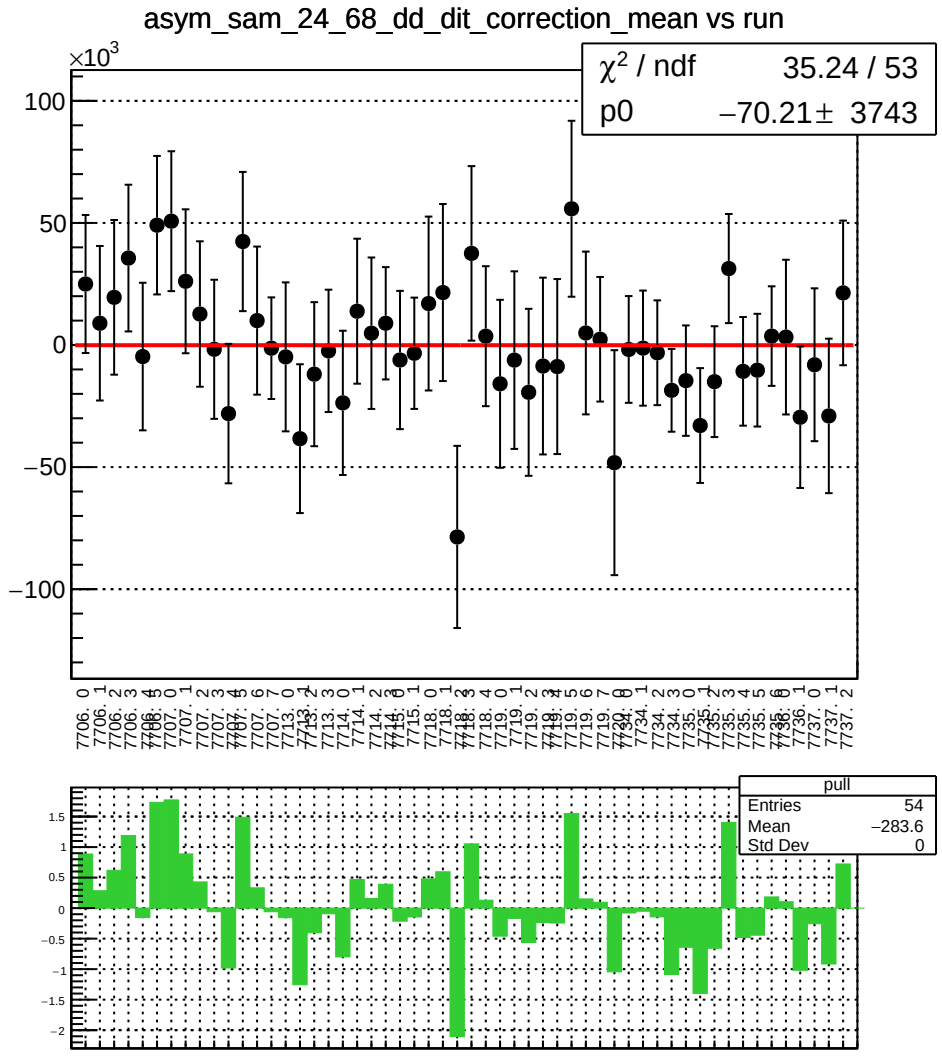

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.49 / 53
p0 −280.5 ± 3627
100
50
0
−50
−100
pull
Entries 54
Mean −216.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

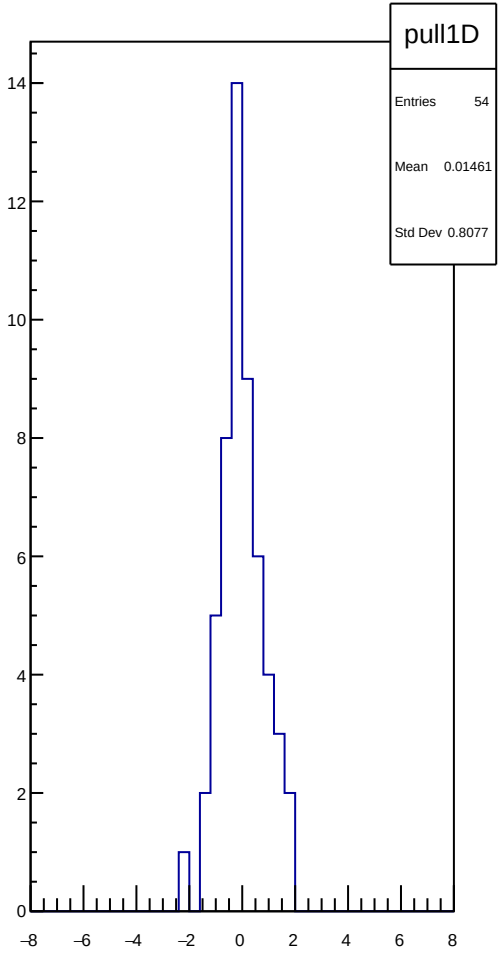

pull1D
Entries 54
Mean 0.01858
Std Dev 0.8105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

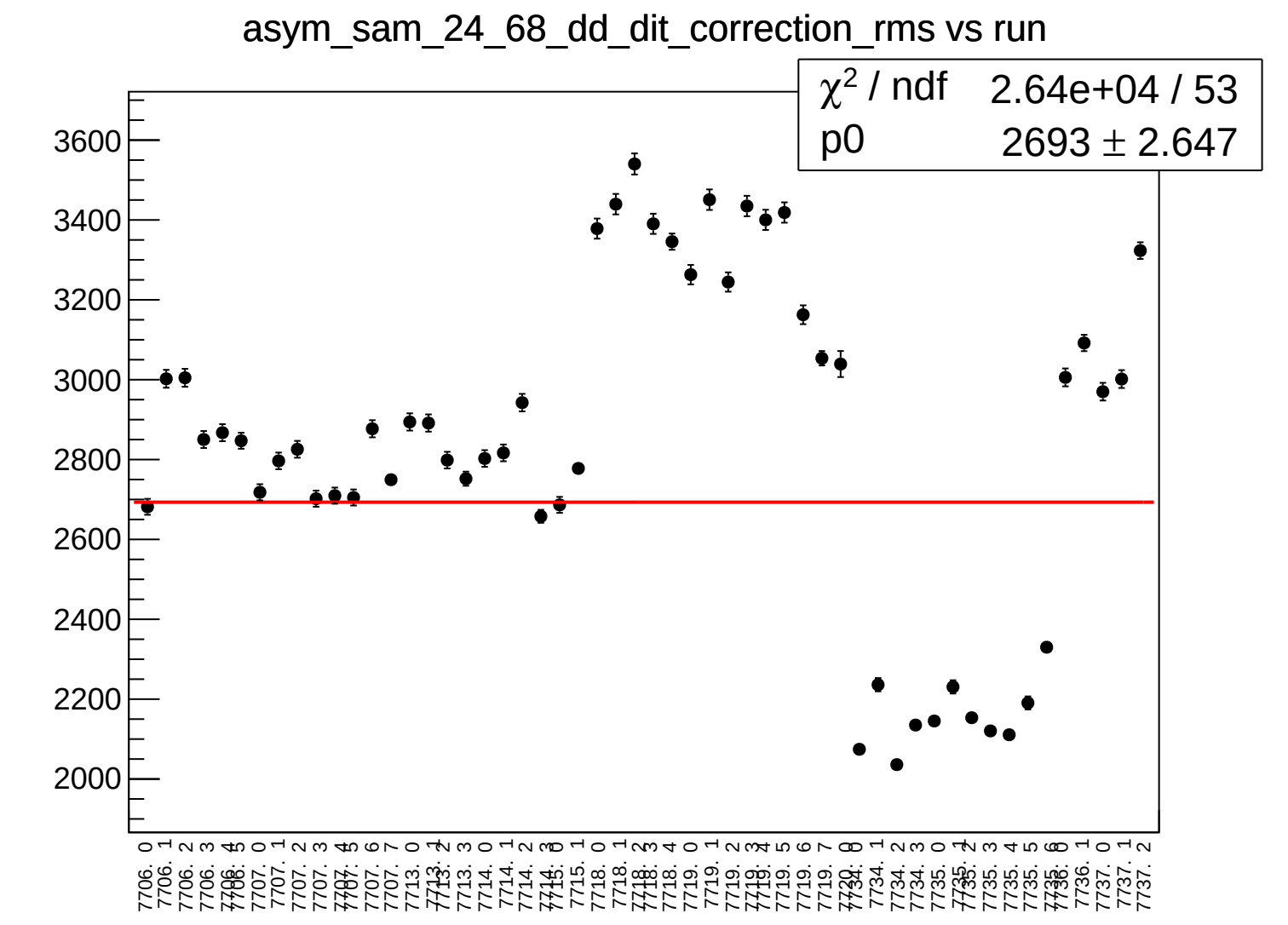

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.127e+04 / 53
p0 2604 ± 2.565
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

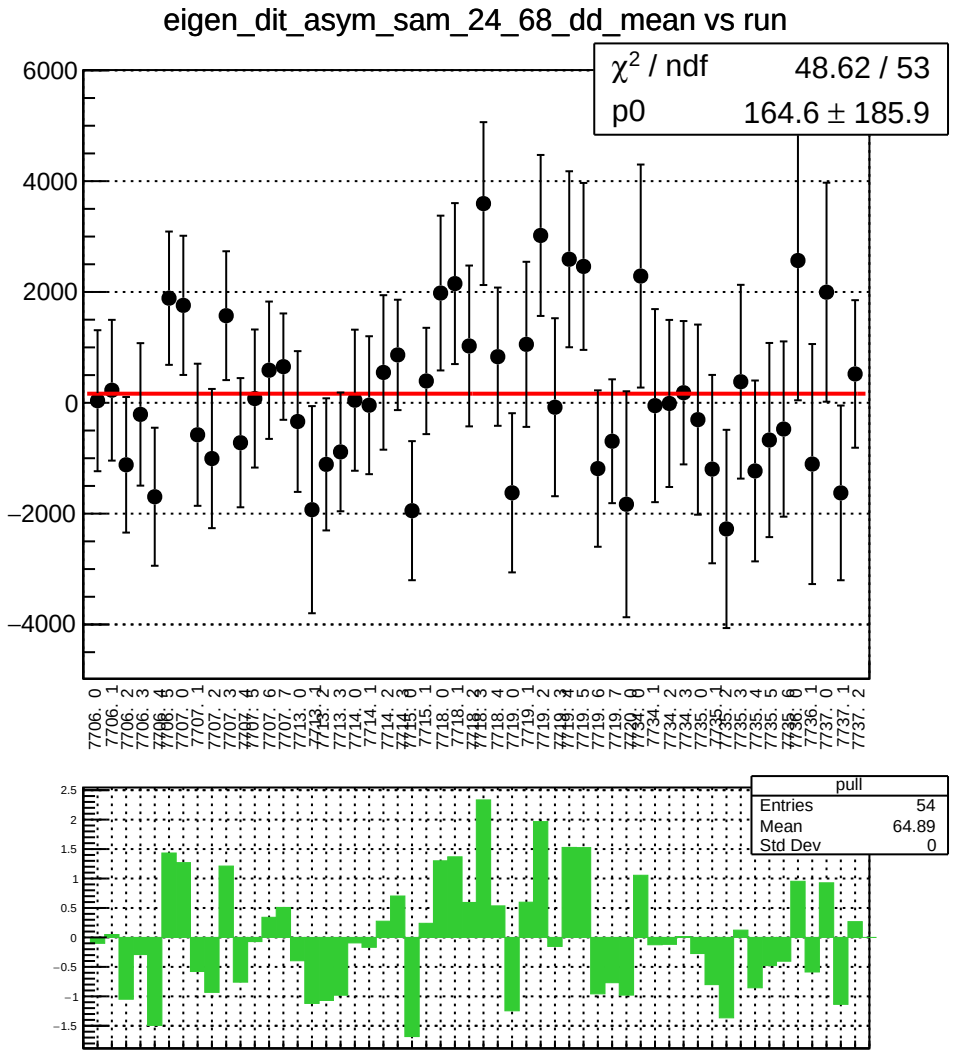

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.62 / 53
p0 164.6 ± 185.9
pull
Entries 54
Mean 64.85
Std Dev 0
pull1D
Entries 54
Mean 0.001876
Std Dev 0.9489

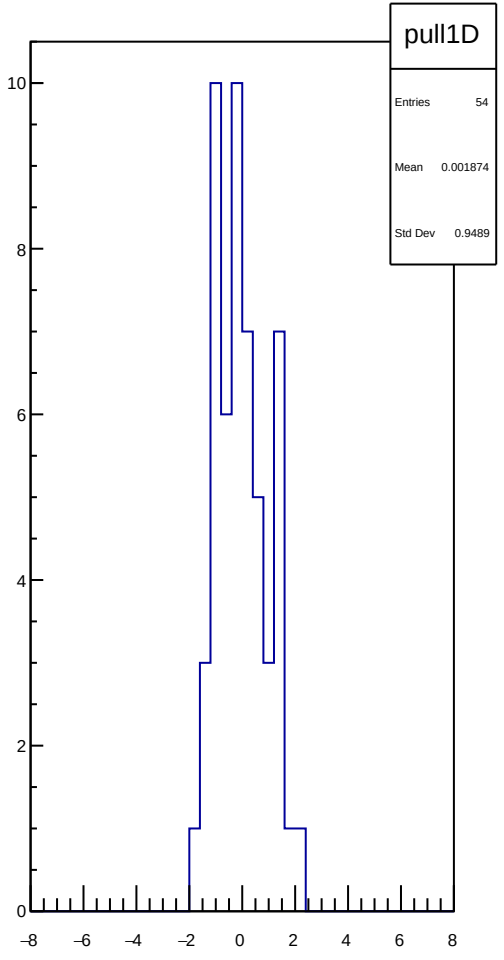

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.822e+04 / 53
p0 133.6 ± 0.1314
240
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

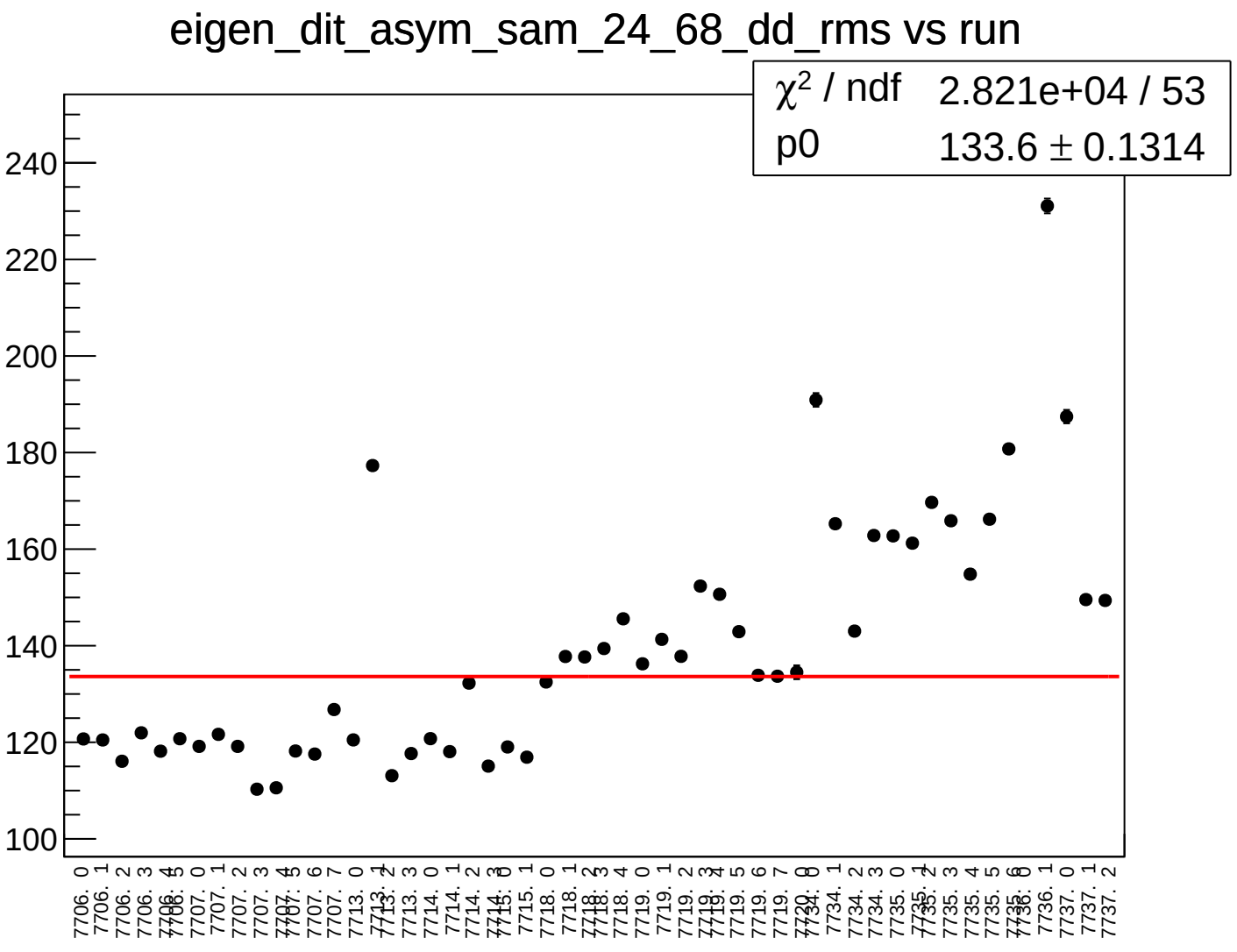

asym_sam_24_68_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.24 / 53
p0 −70.21± 3743
pull
Entries 54
Mean −283.6
Std Dev 0

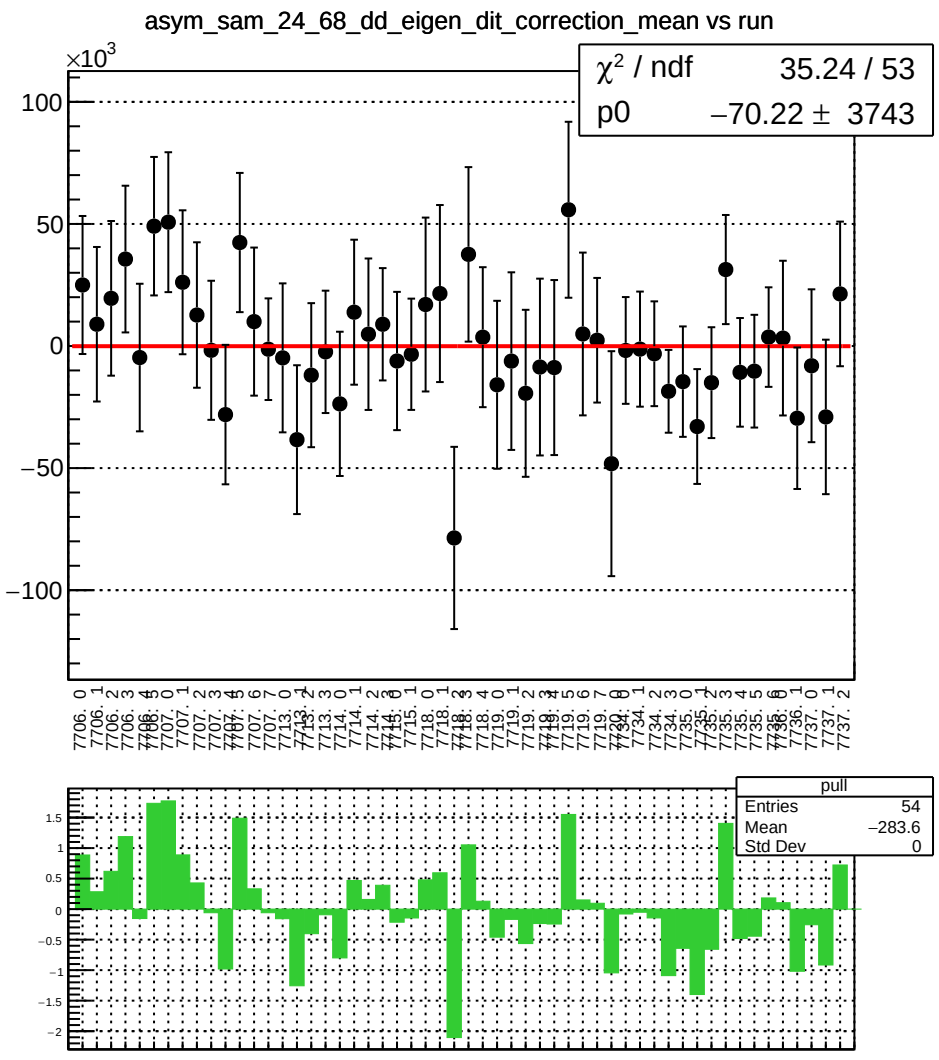

pull1D
Entries 54
Mean 0.01461
Std Dev 0.8077

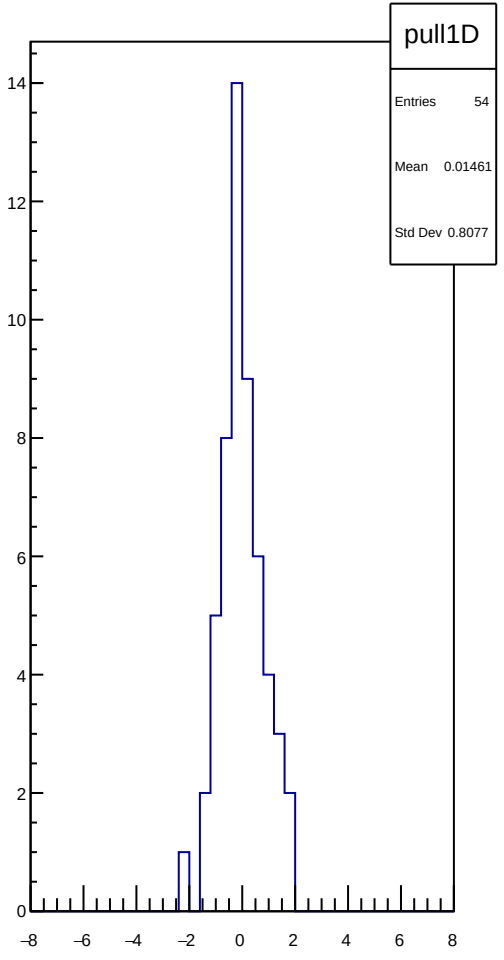

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2.64e+04 / 53
p0 2693 ± 2.647
3600
3400
3200
3000
2800
2600
2400
2200
2000

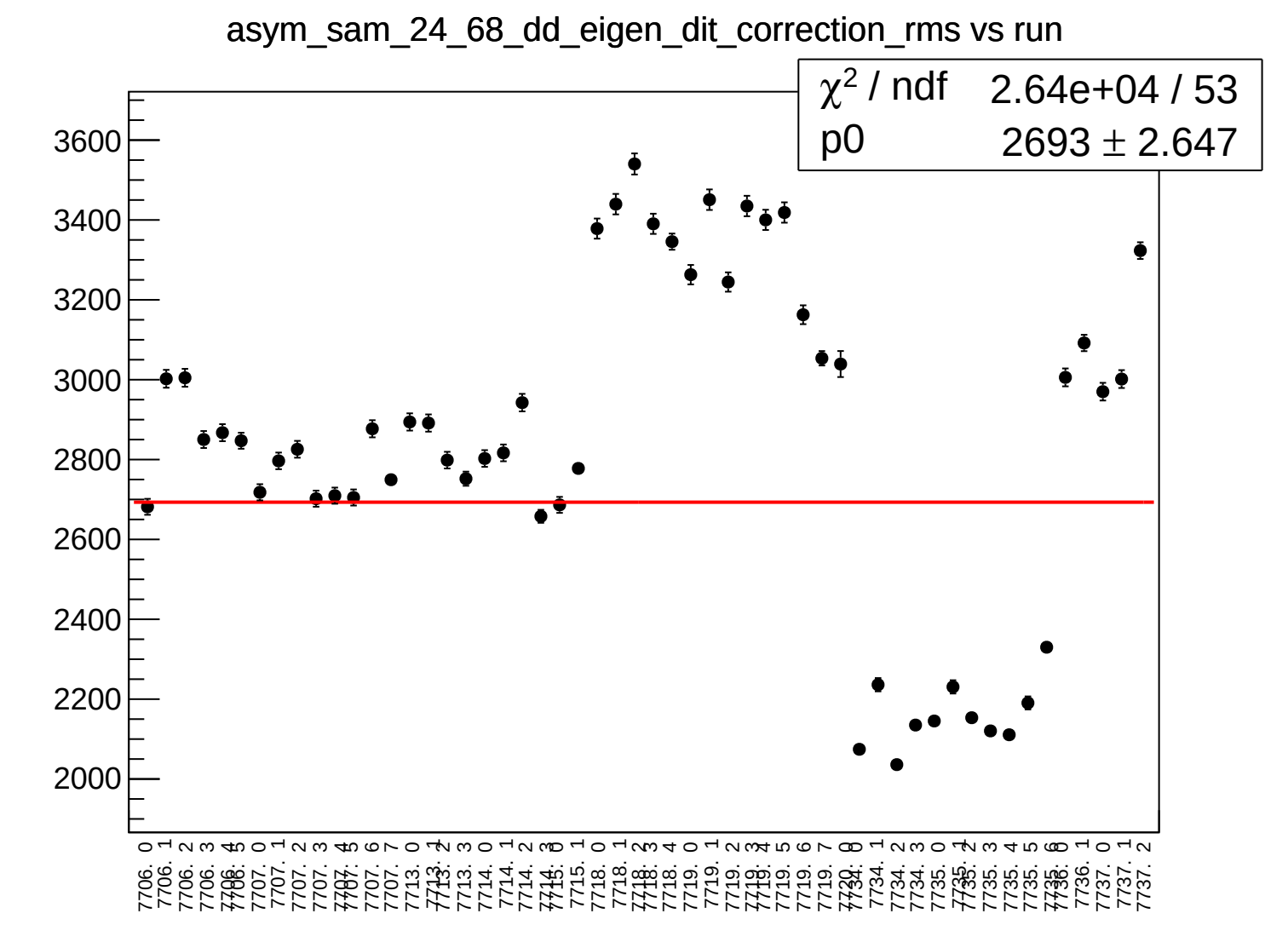

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.62 / 53
p0 164.6 ± 185.9
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 64.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

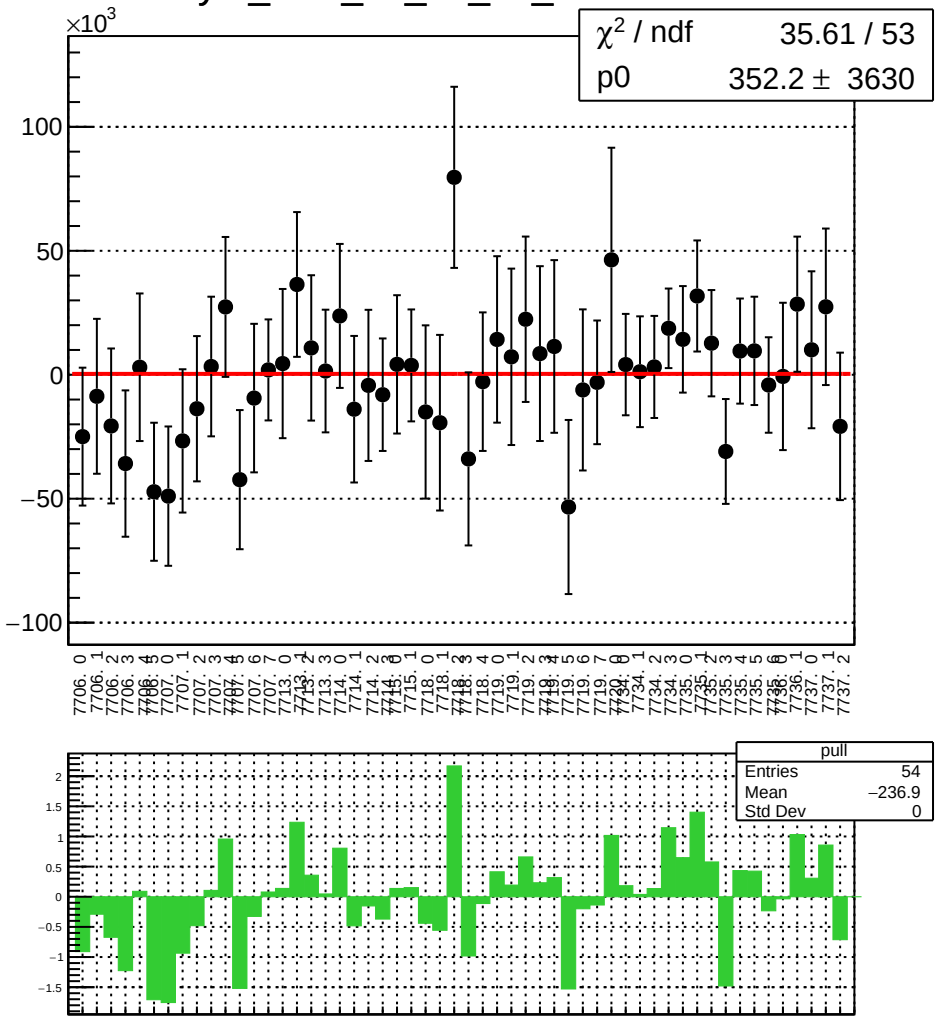

pull1D
Entries 54
Mean 0.001874
Std Dev 0.9489
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

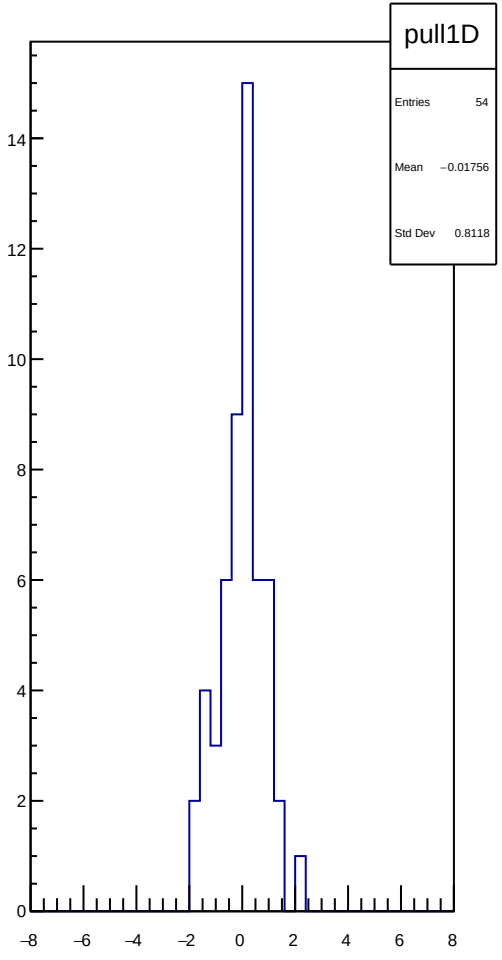

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.821e+04 / 53
p0 133.6 ± 0.1314
240
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

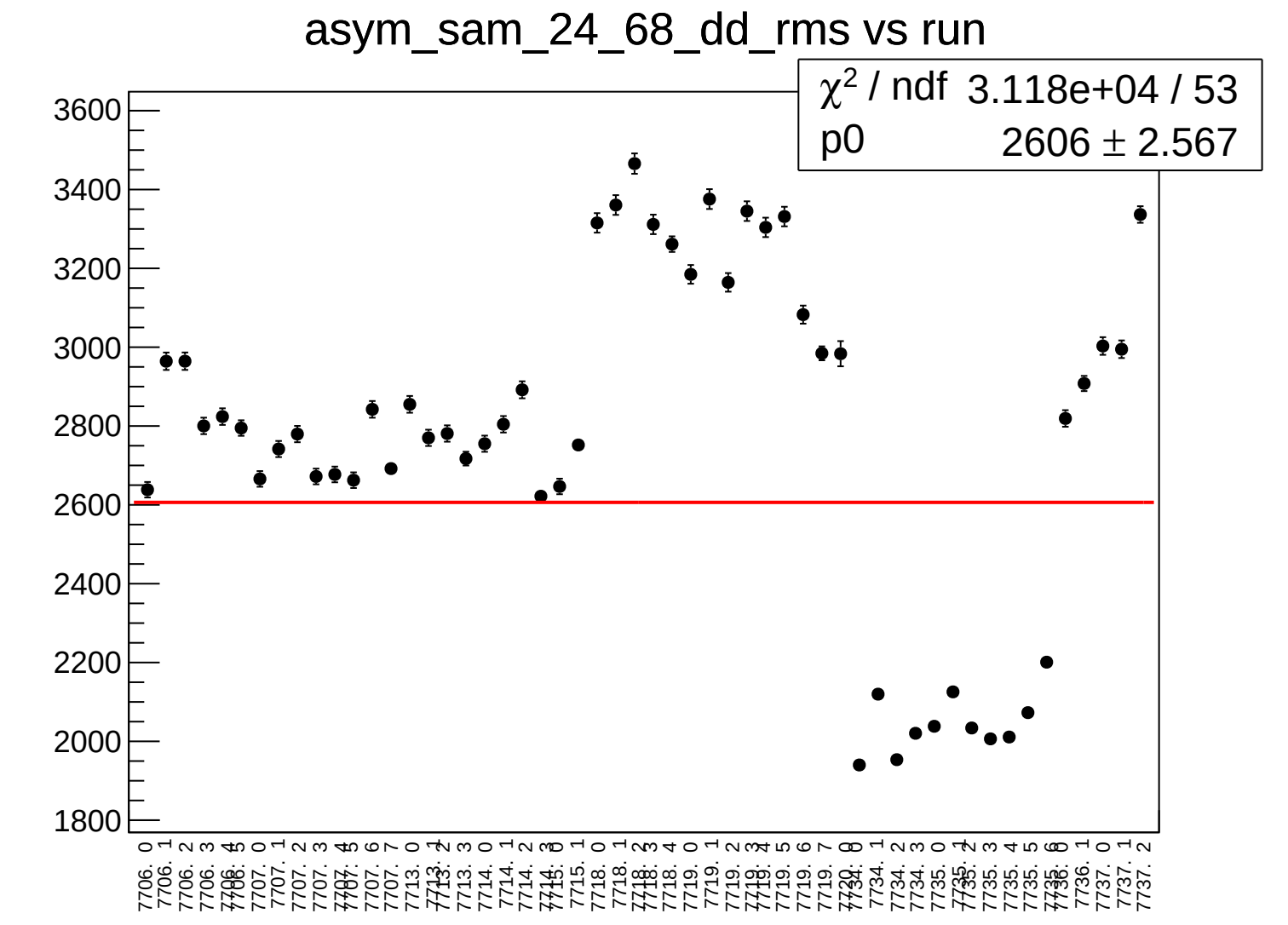

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.24 / 53
p0 −70.22 ± 3743
100
50
0
−50
−100
pull
Entries 54
Mean −283.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

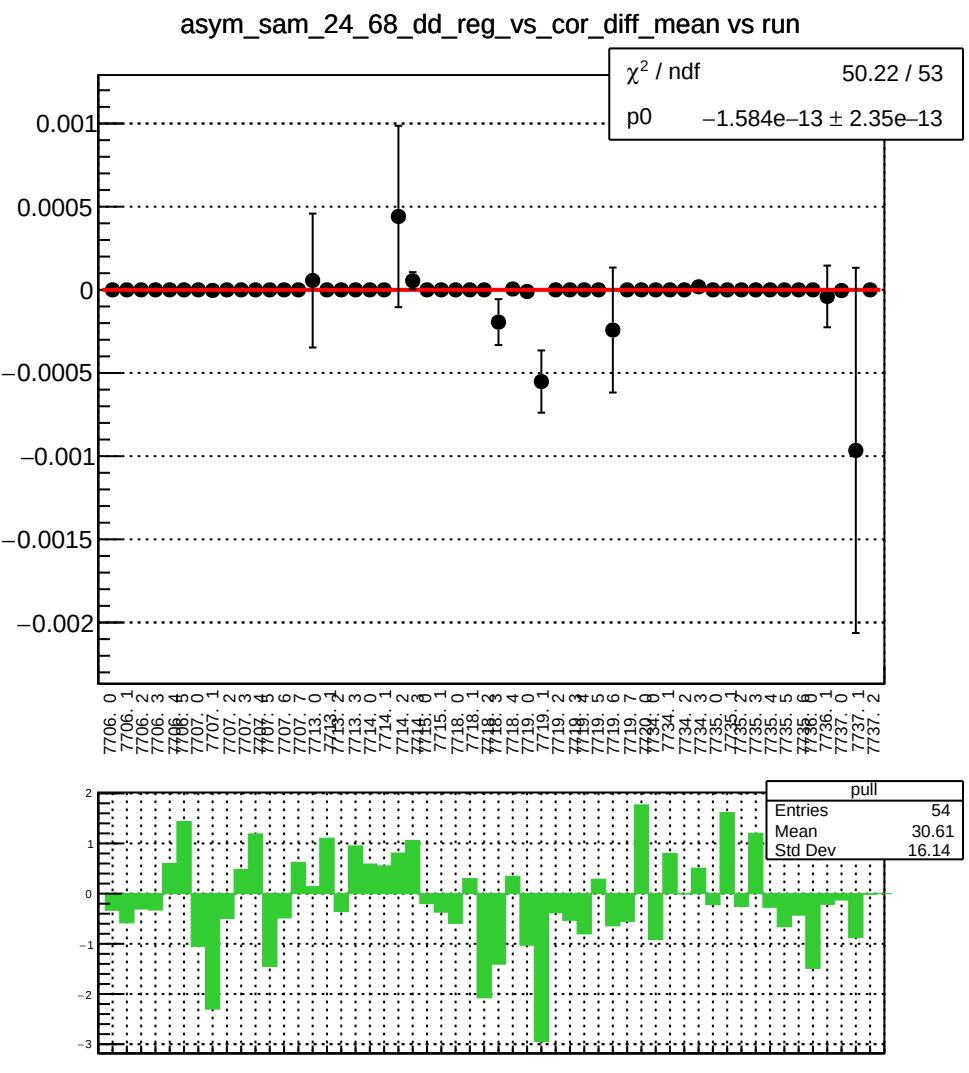

pull1D
Entries 54
Mean 0.01461
Std Dev 0.8077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

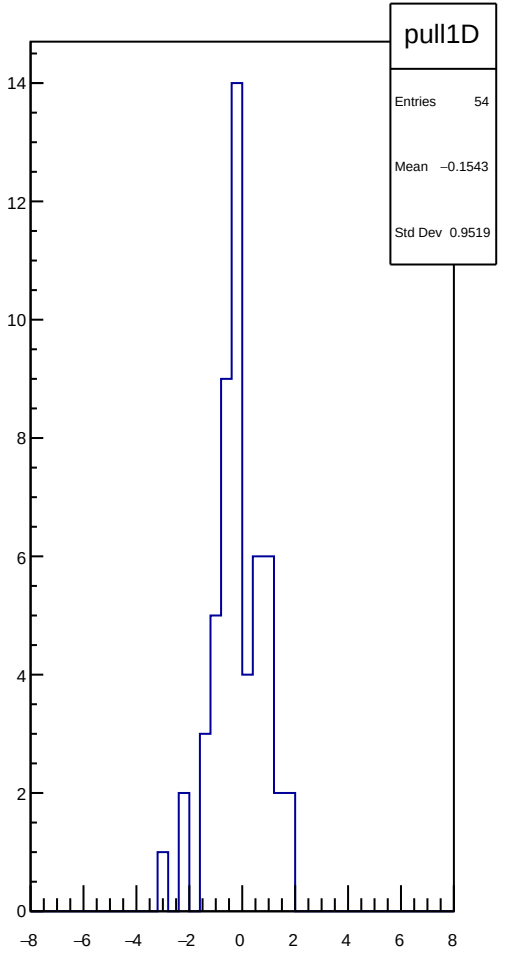

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.64e+04 / 53
p0 2693 ± 2.647
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

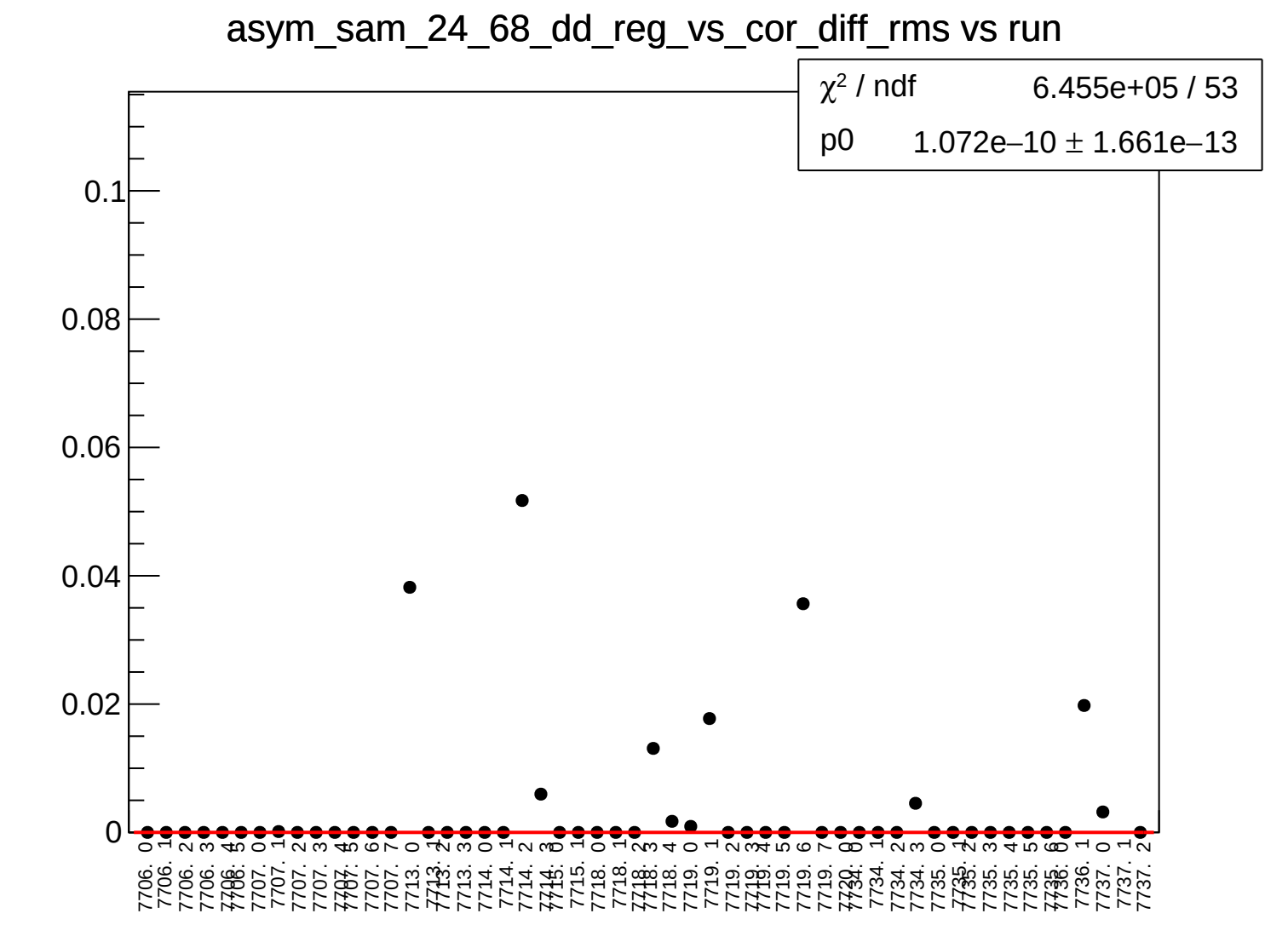

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 35.61 / 53
p0 352.2 ± 3630
100
50
0
−50
−100
pull
Entries 54
Mean −236.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

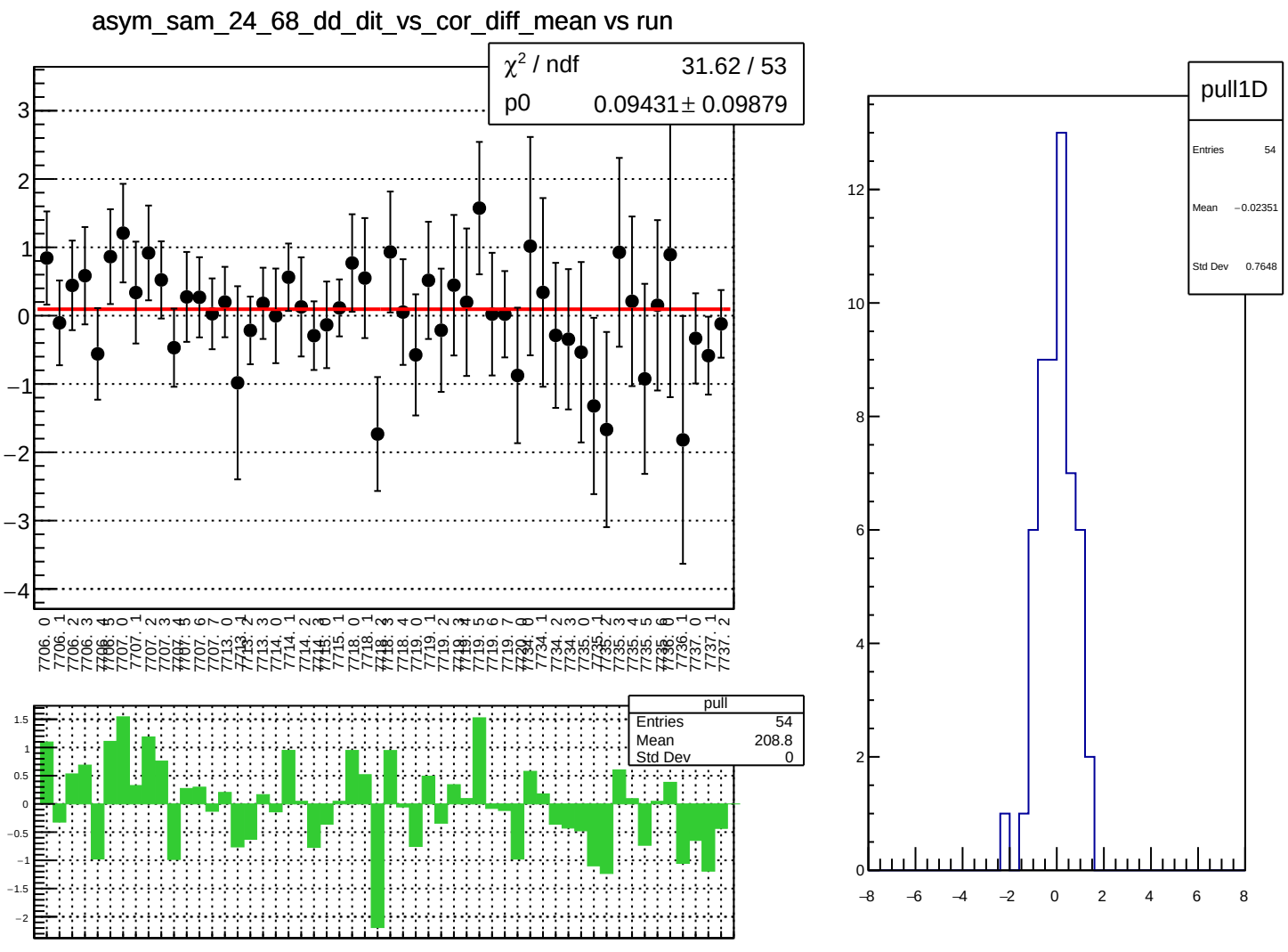

pull1D
Entries 54
Mean −0.01756
Std Dev 0.8118
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

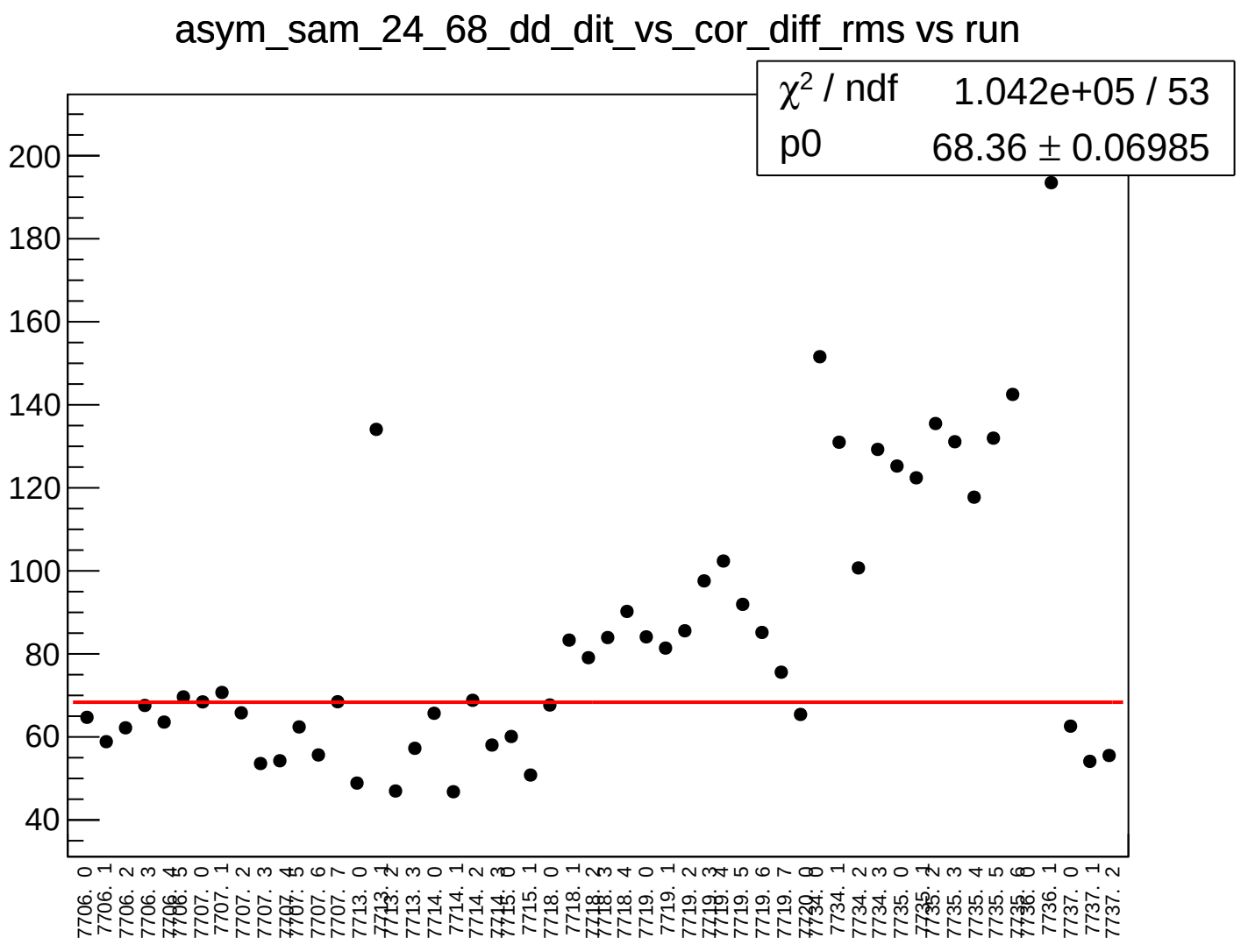

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3.118e+04 / 53
p0 2606 ± 2.567
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

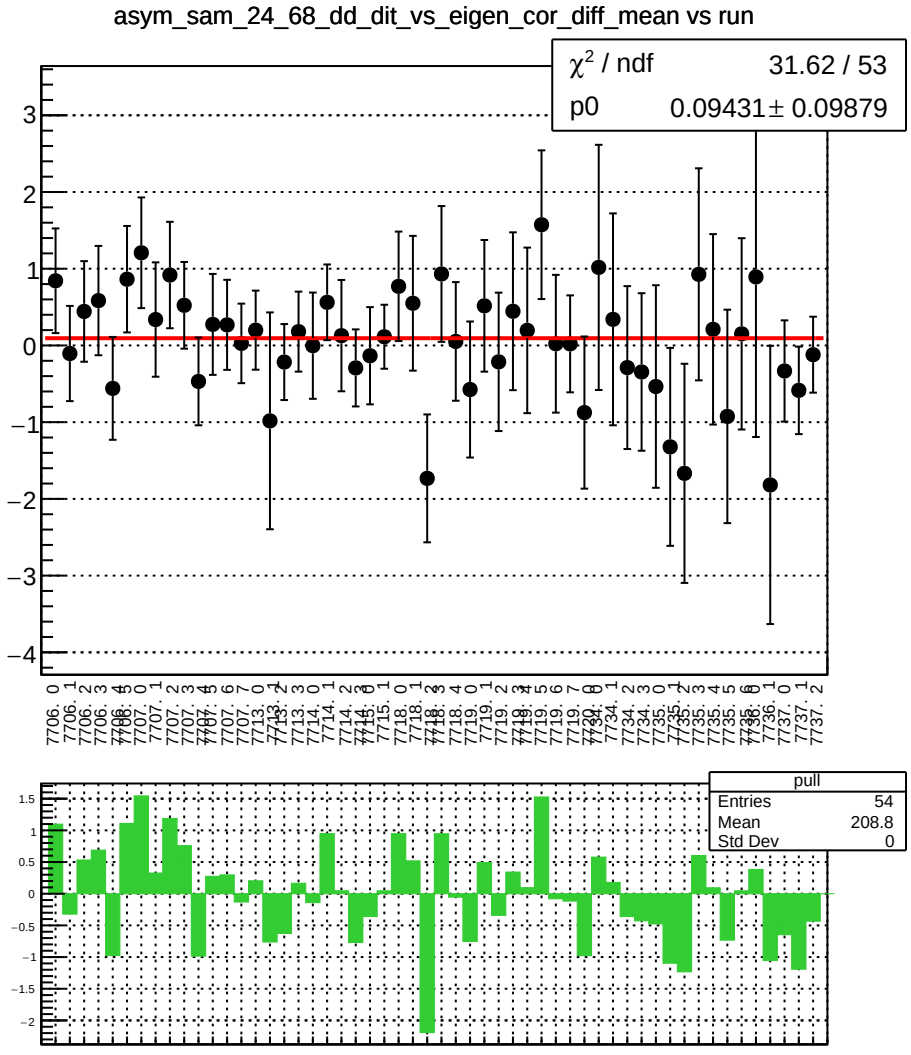

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.22 / 53
p0 −1.584e−13 ± 2.35e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 54
Mean 30.61
Std Dev 16.14
2
1
0
−1
−2
−3

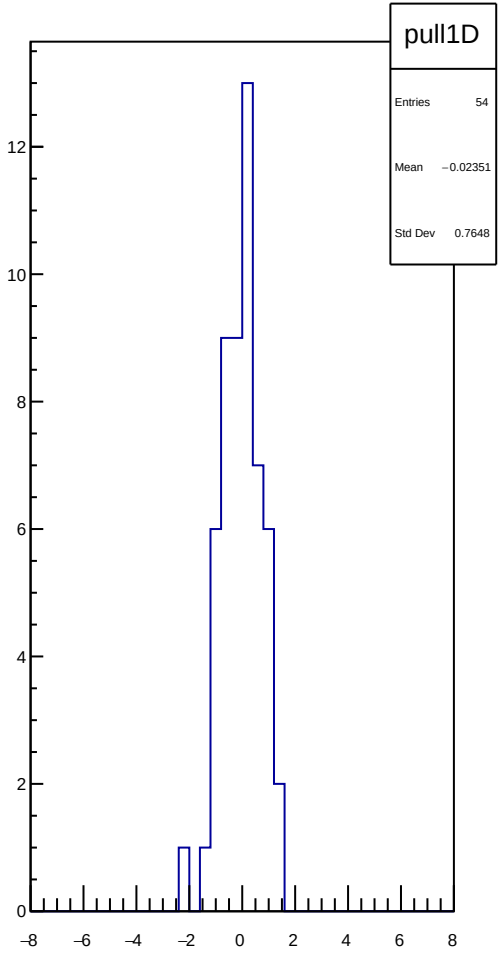

pull1D
Entries 54
Mean −0.1543
Std Dev 0.9519
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

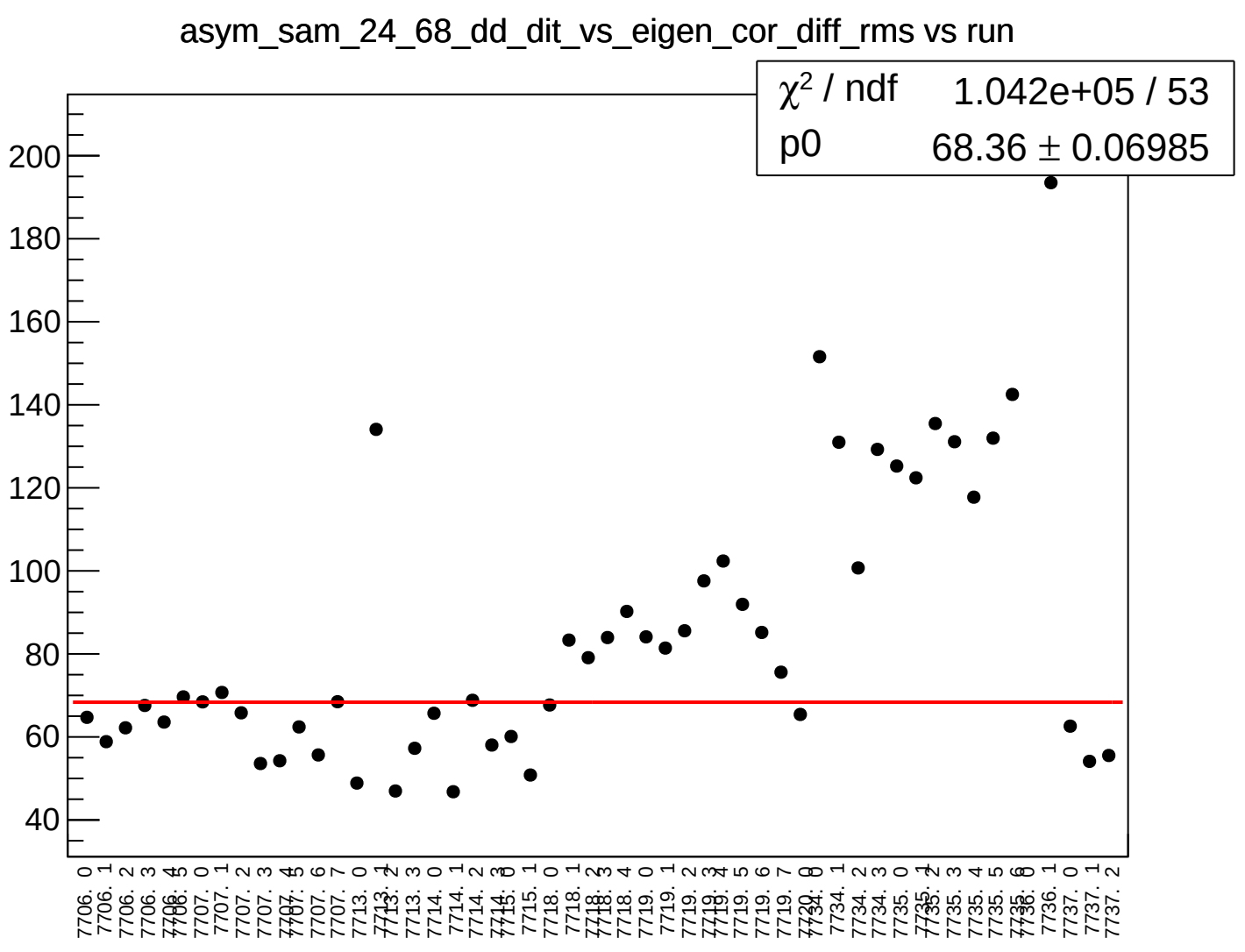

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.455e+05 / 53
p0 1.072e−10 ± 1.661e−13
0.1
0.08
0.06
0.04
0.02
0

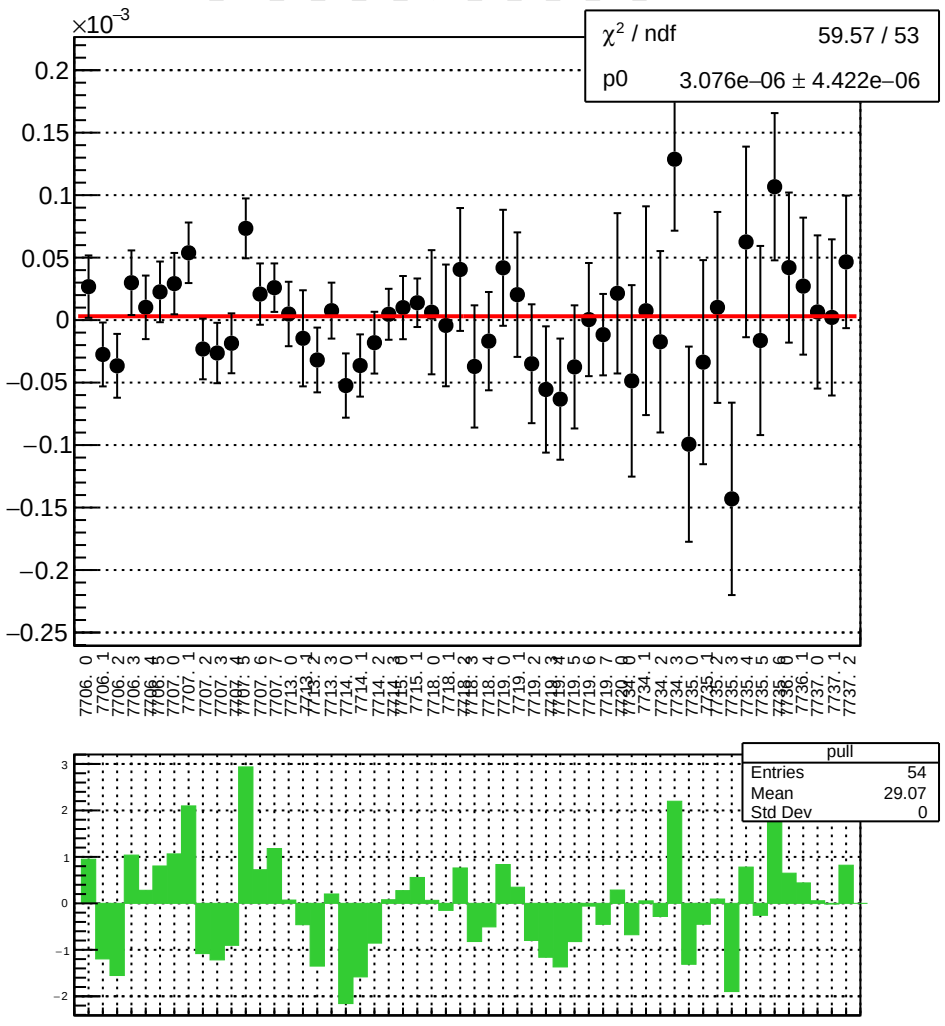

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.62 / 53
p0 0.09431 ± 0.09879
pull
Entries 54
Mean 208.8
Std Dev 0
pull1D
Entries 54
Mean −0.02351
Std Dev 0.7648

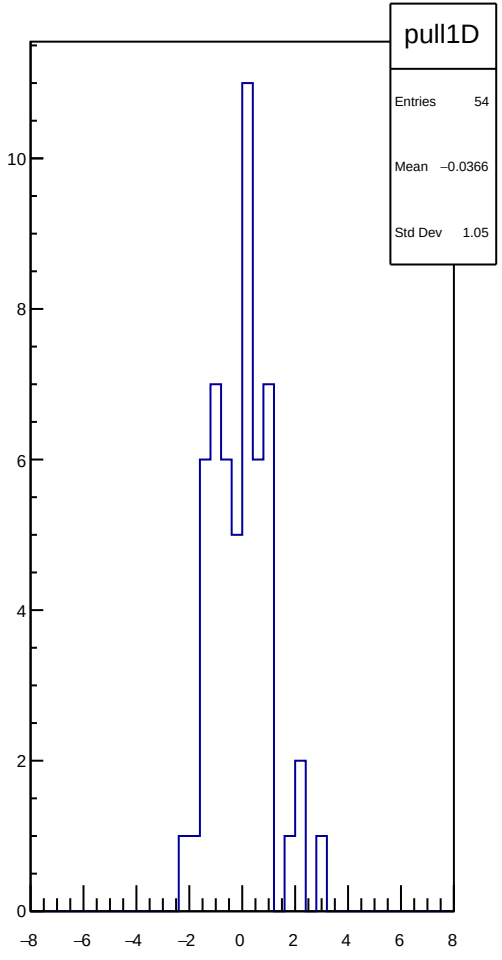

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.042e+05 / 53
p0 68.36 ± 0.06985
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

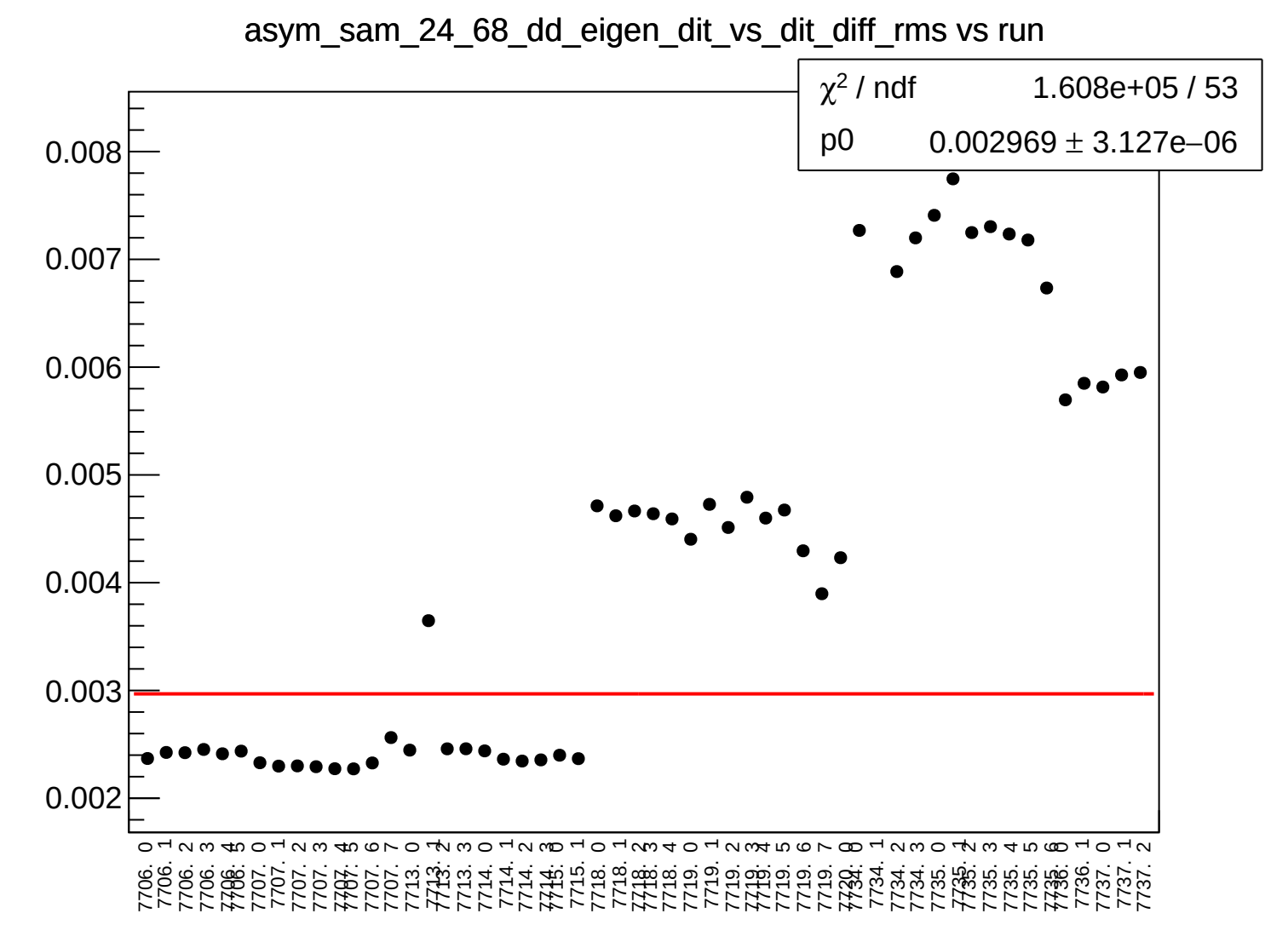

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.62 / 53
p0 0.09431 ± 0.09879
pull
Entries 54
Mean 208.8
Std Dev 0

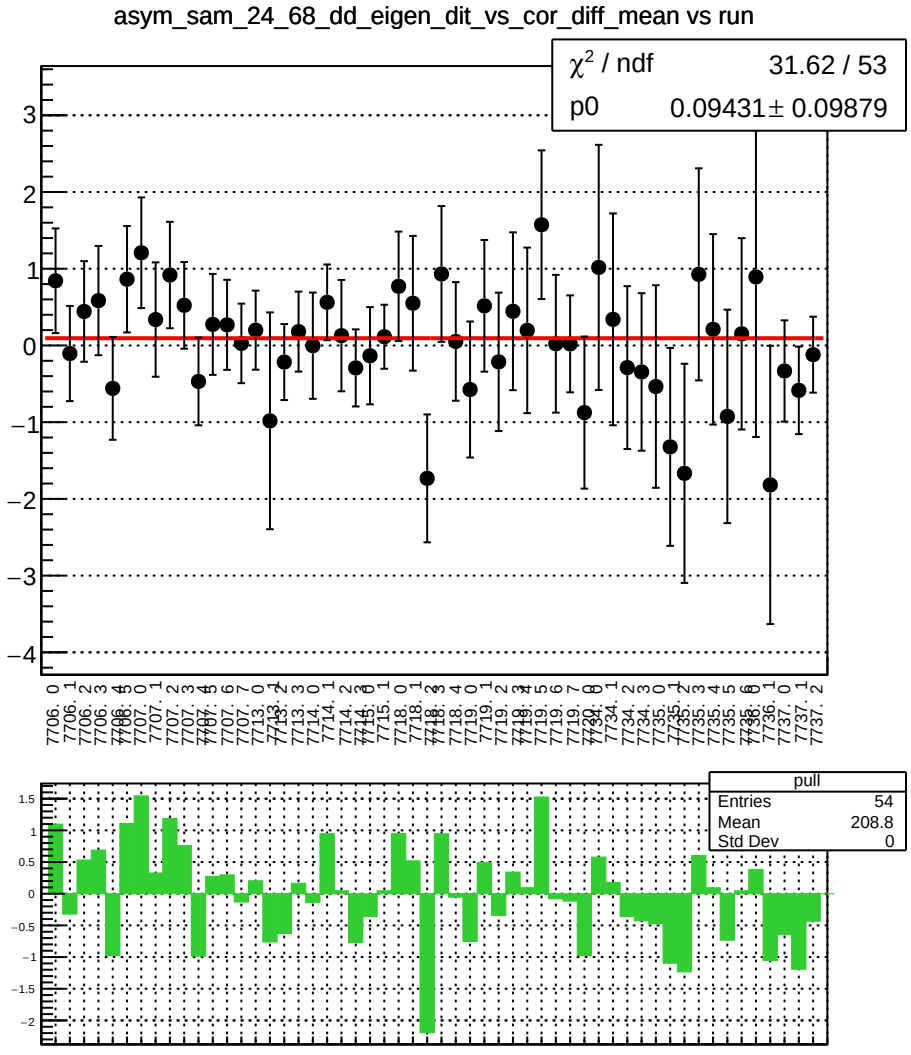

pull1D
Entries 54
Mean −0.02351
Std Dev 0.7648

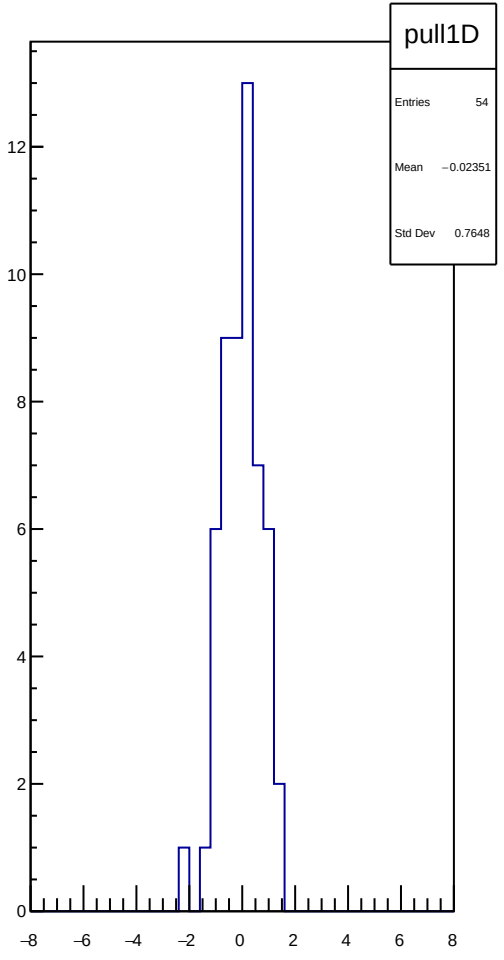

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.042e+05 / 53
p0 68.36 ± 0.06985
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

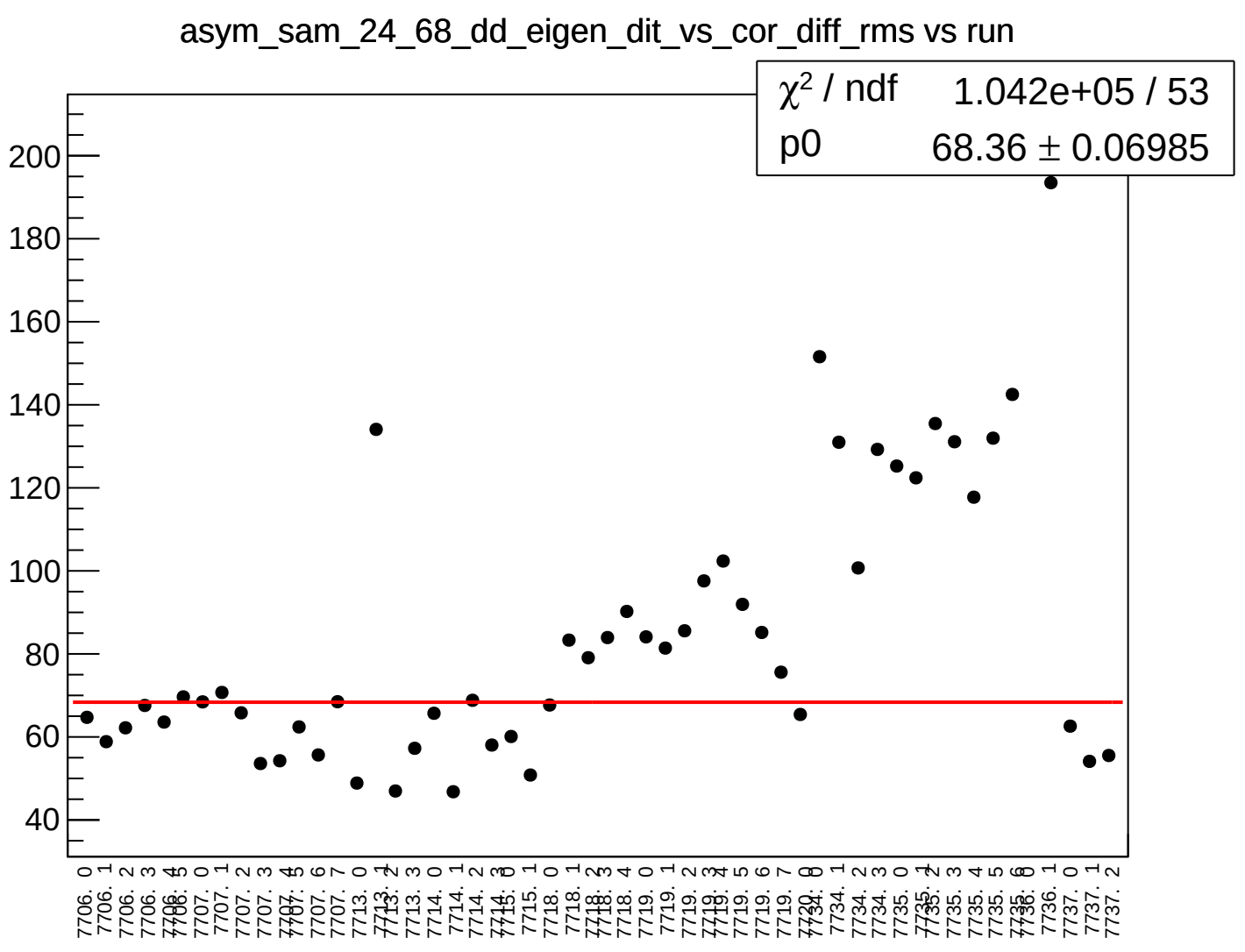

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.57 / 53
p0 3.076e−06 ± 4.422e−06
pull
Entries 54
Mean 29.07
Std Dev 0

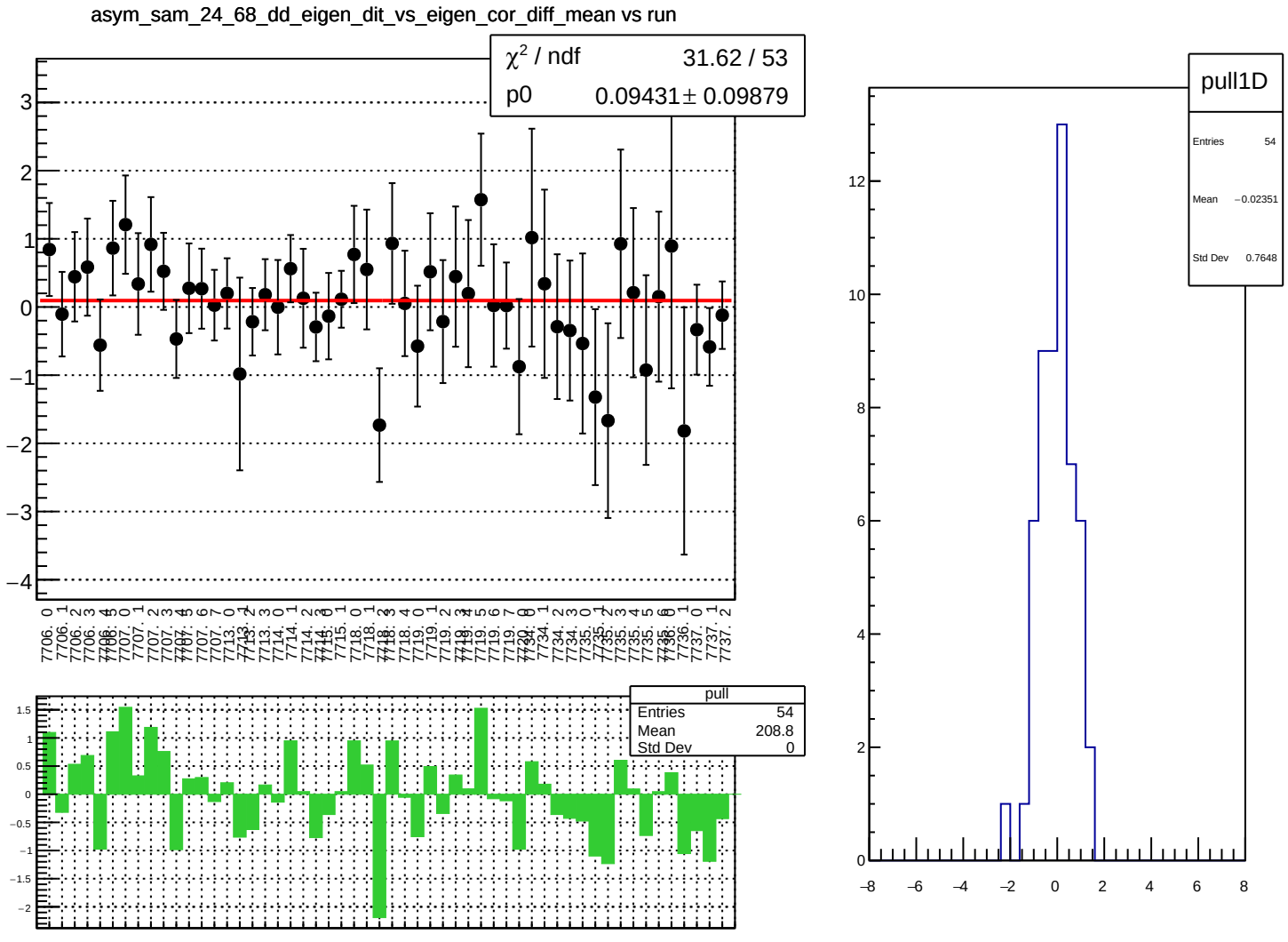

pull1D
Entries 54
Mean −0.0366
Std Dev 1.05

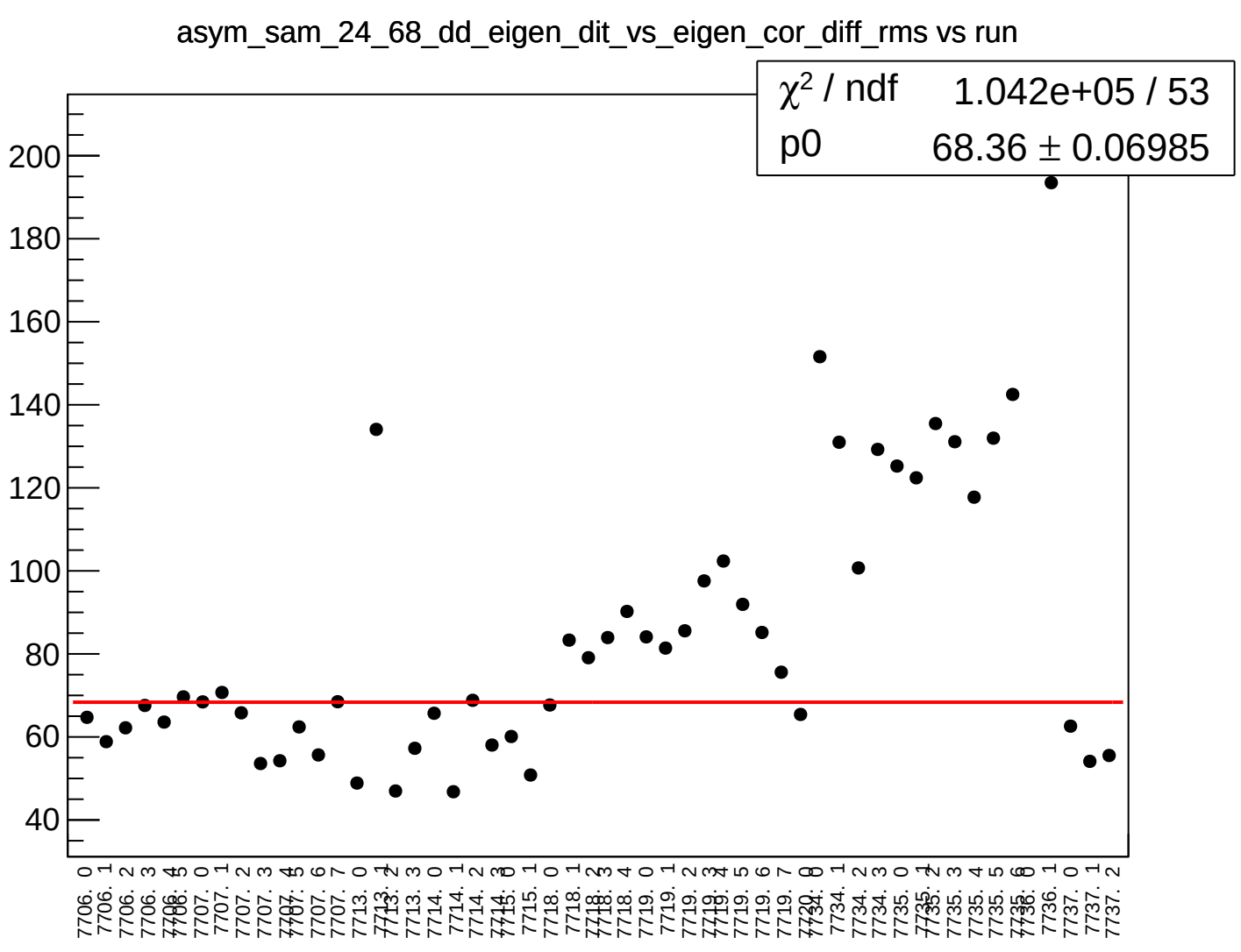

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.608e+05 / 53
p0 0.002969 ± 3.127e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

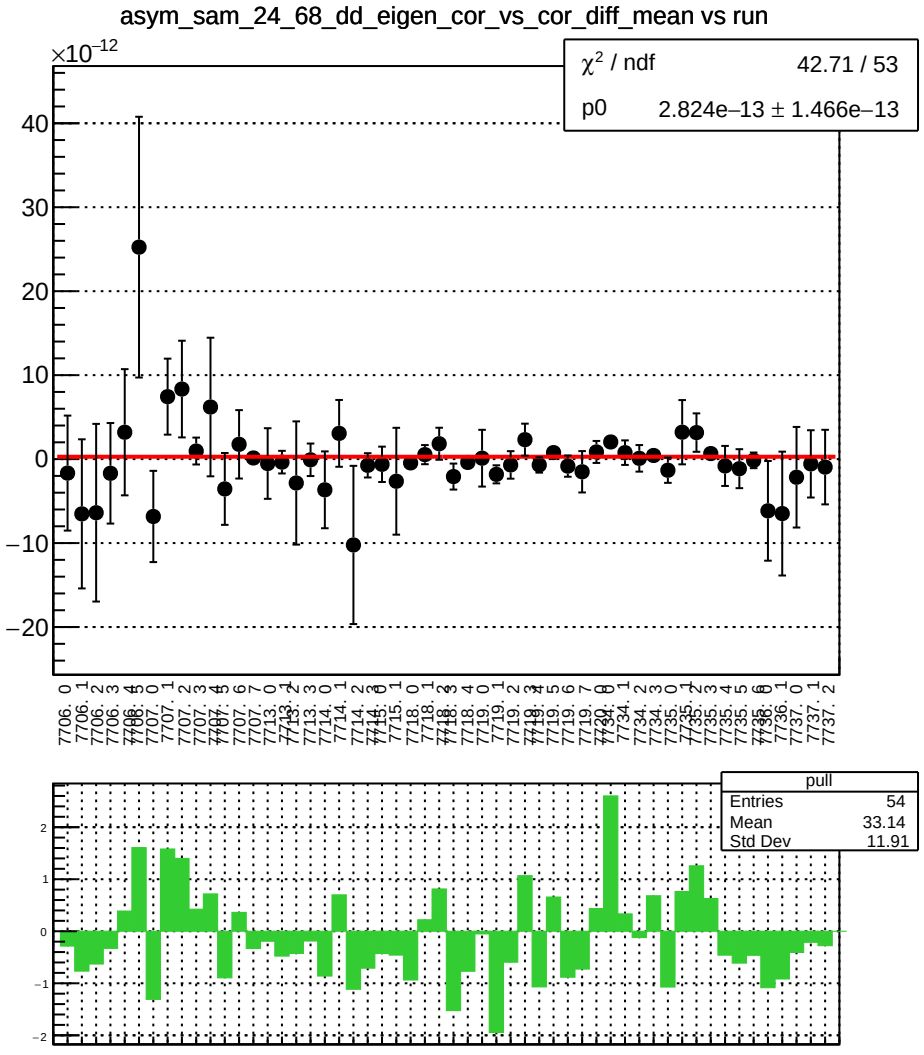

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.62 / 53
p0 0.09431 ± 0.09879
pull
Entries 54
Mean 208.8
Std Dev 0

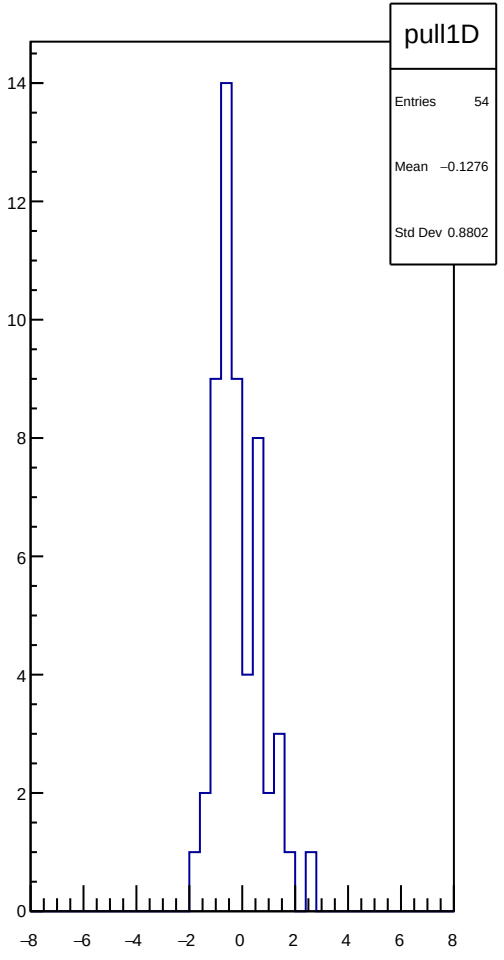

pull1D
Entries 54
Mean −0.02351
Std Dev 0.7648

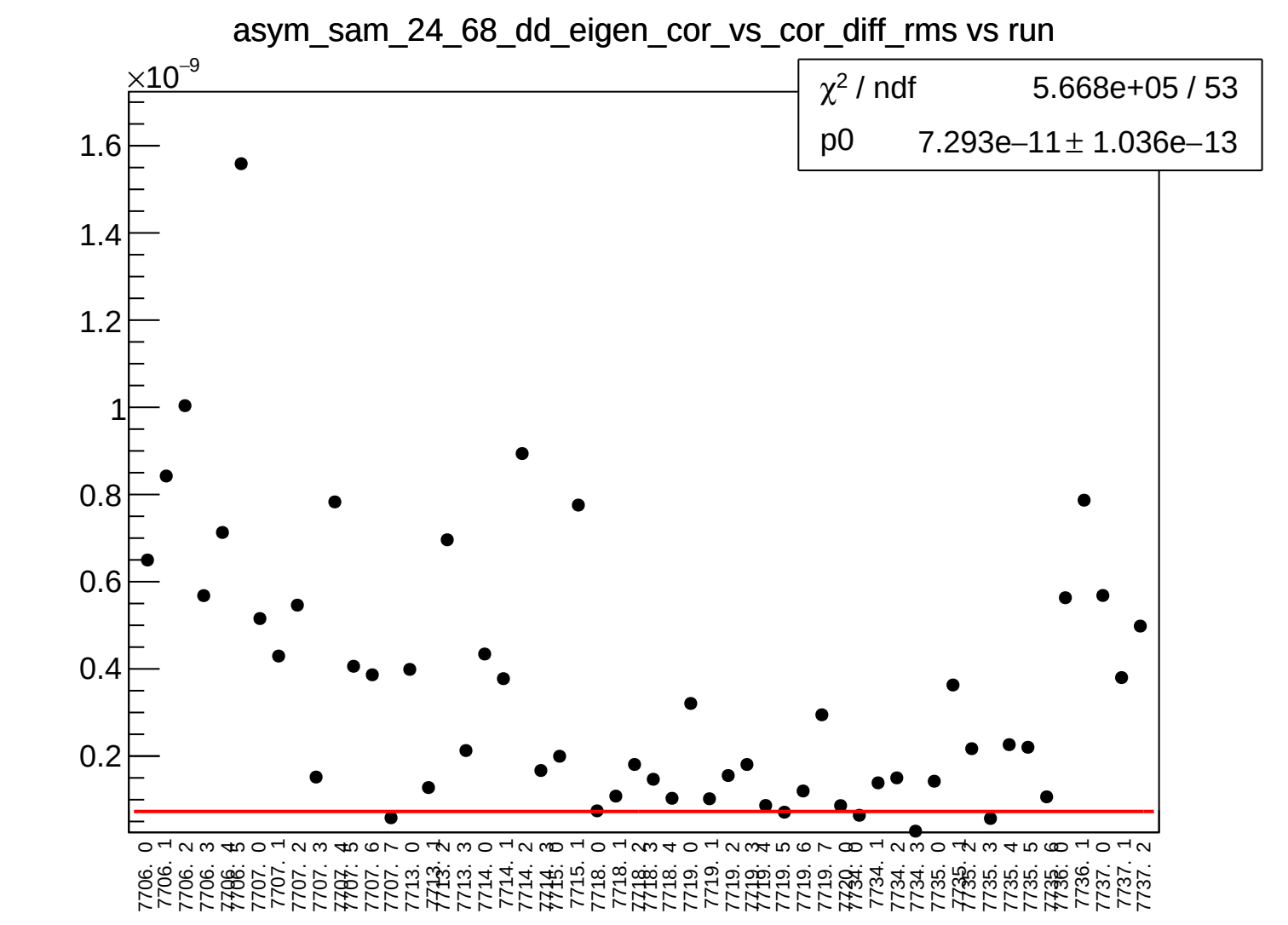

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.042e+05 / 53
p0 68.36 ± 0.06985
200
180
160
140
120
100
80
60
40

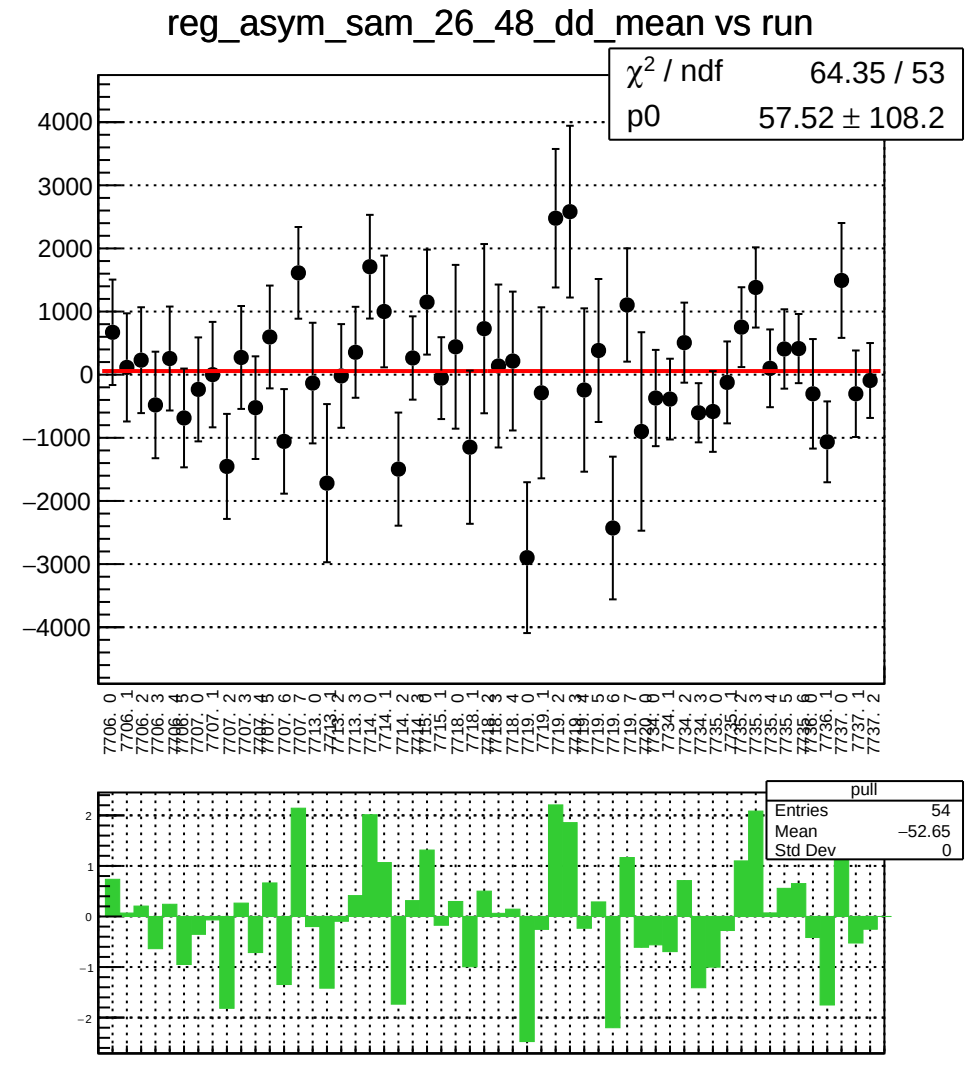

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.62 / 53
p0 0.09431 ± 0.09879
pull
Entries 54
Mean 208.8
Std Dev 0
pull1D
Entries 54
Mean −0.02351
Std Dev 0.7648

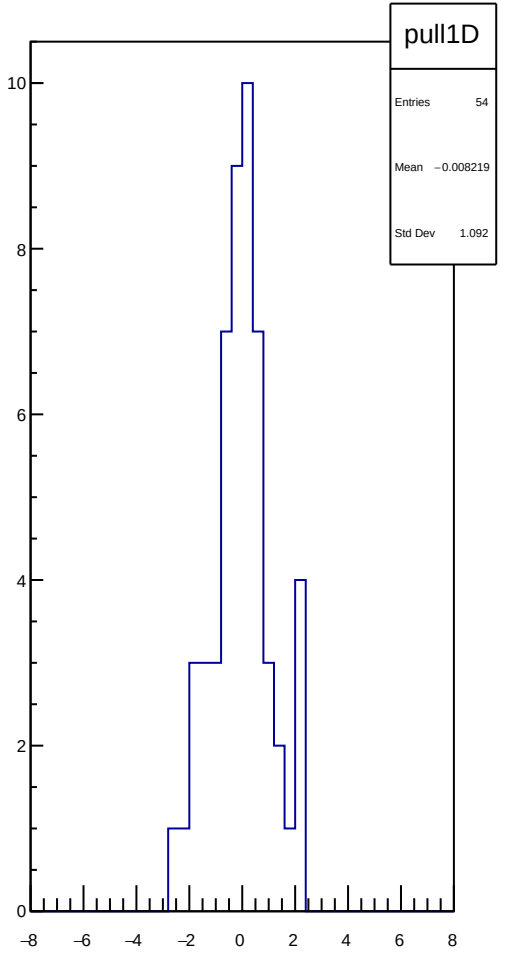

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.042e+05 / 53
p0 68.36 ± 0.06985
200
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

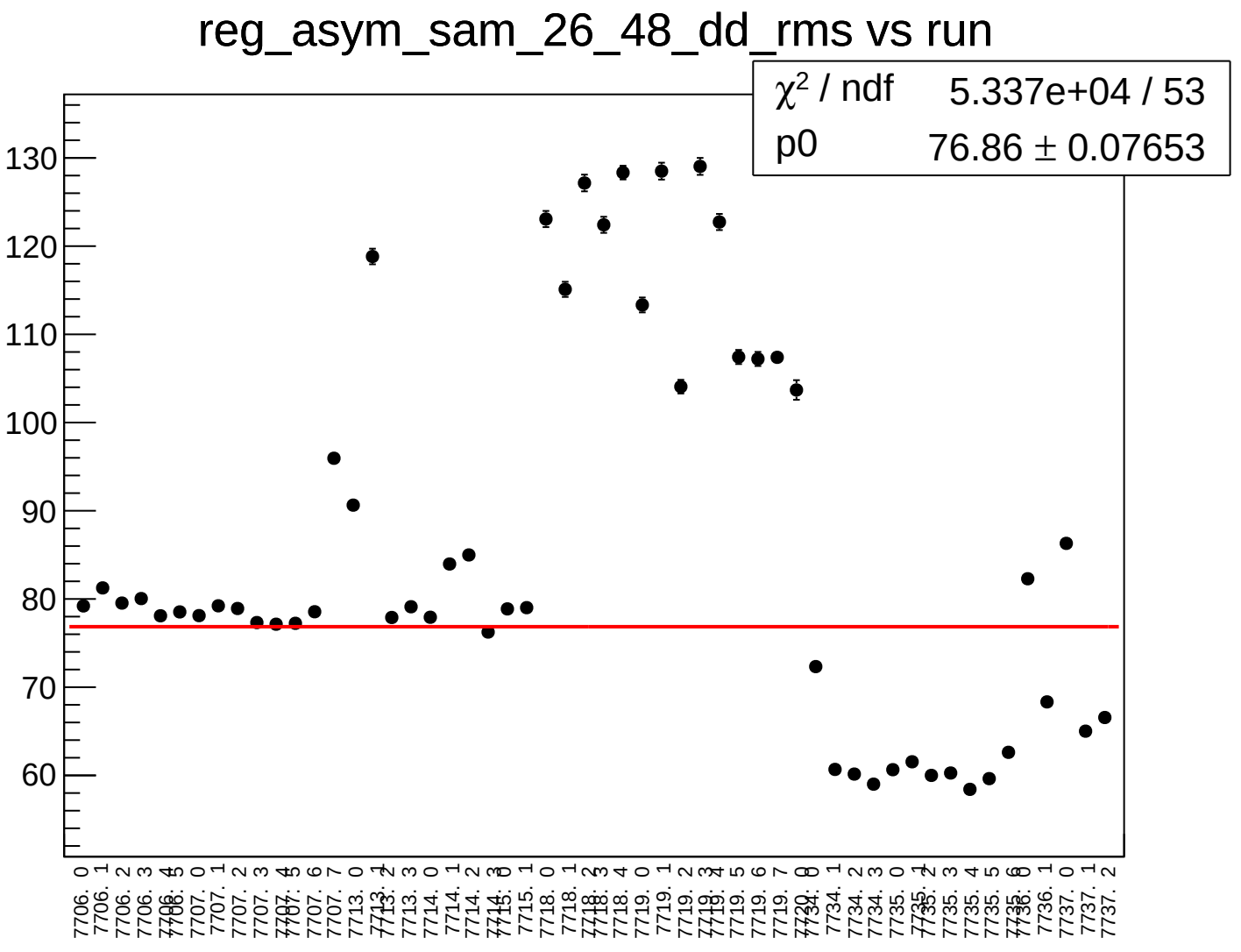

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.71 / 53
p0 2.824e−13 ± 1.466e−13
pull
Entries 54
Mean 33.14
Std Dev 11.91

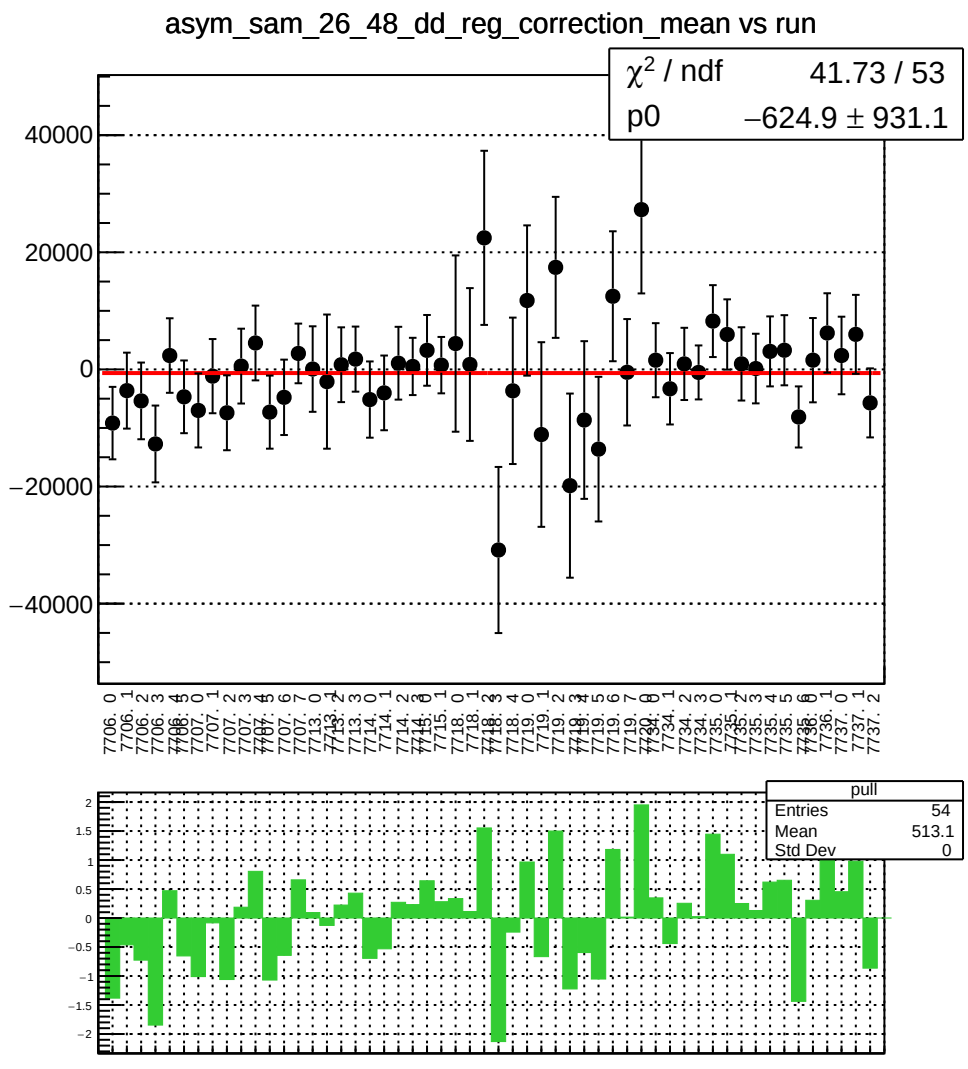

pull1D
Entries 54
Mean −0.1276
Std Dev 0.8802

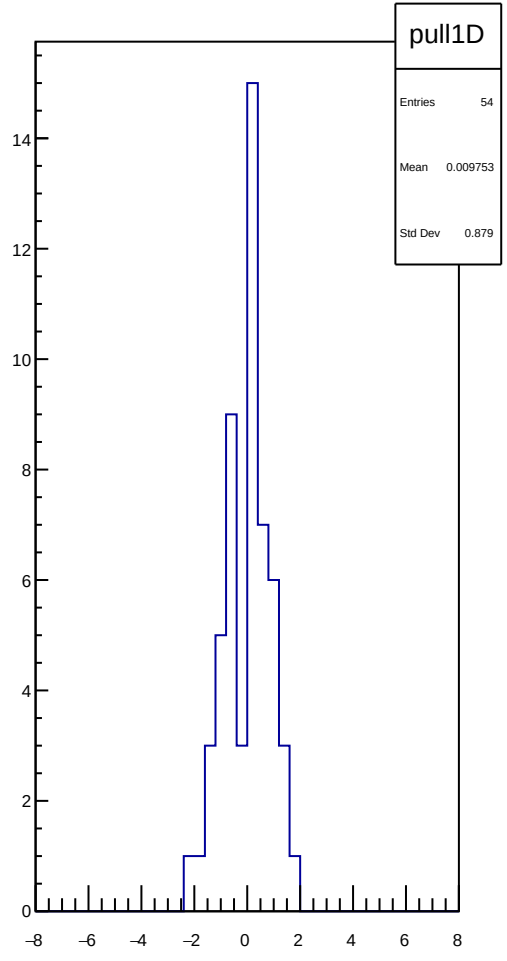

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.668e+05 / 53
p0 7.293e−11 ± 1.036e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

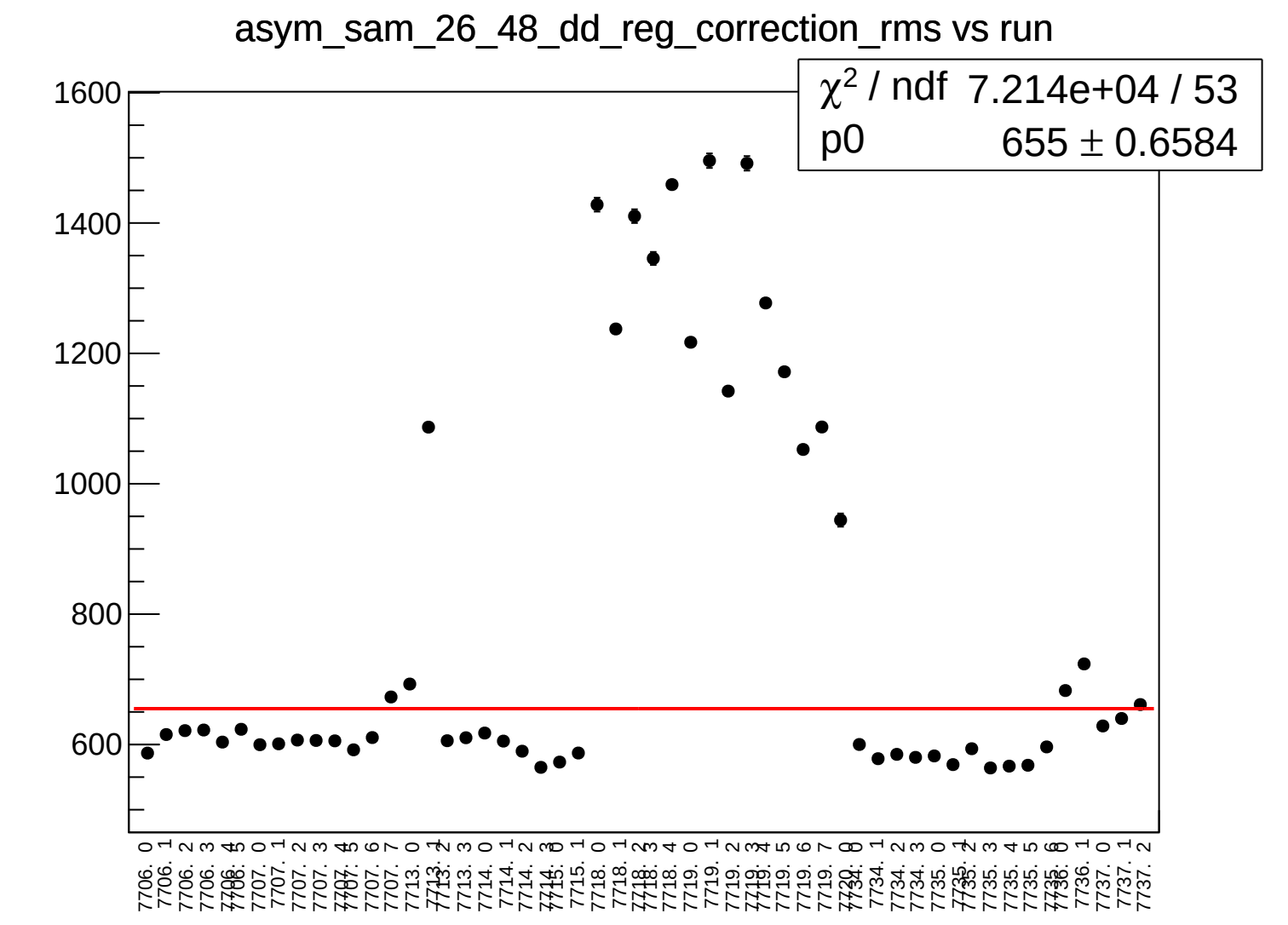

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.35 / 53
p0 57.52 ± 108.2
pull
Entries 54
Mean −52.65
Std Dev 0

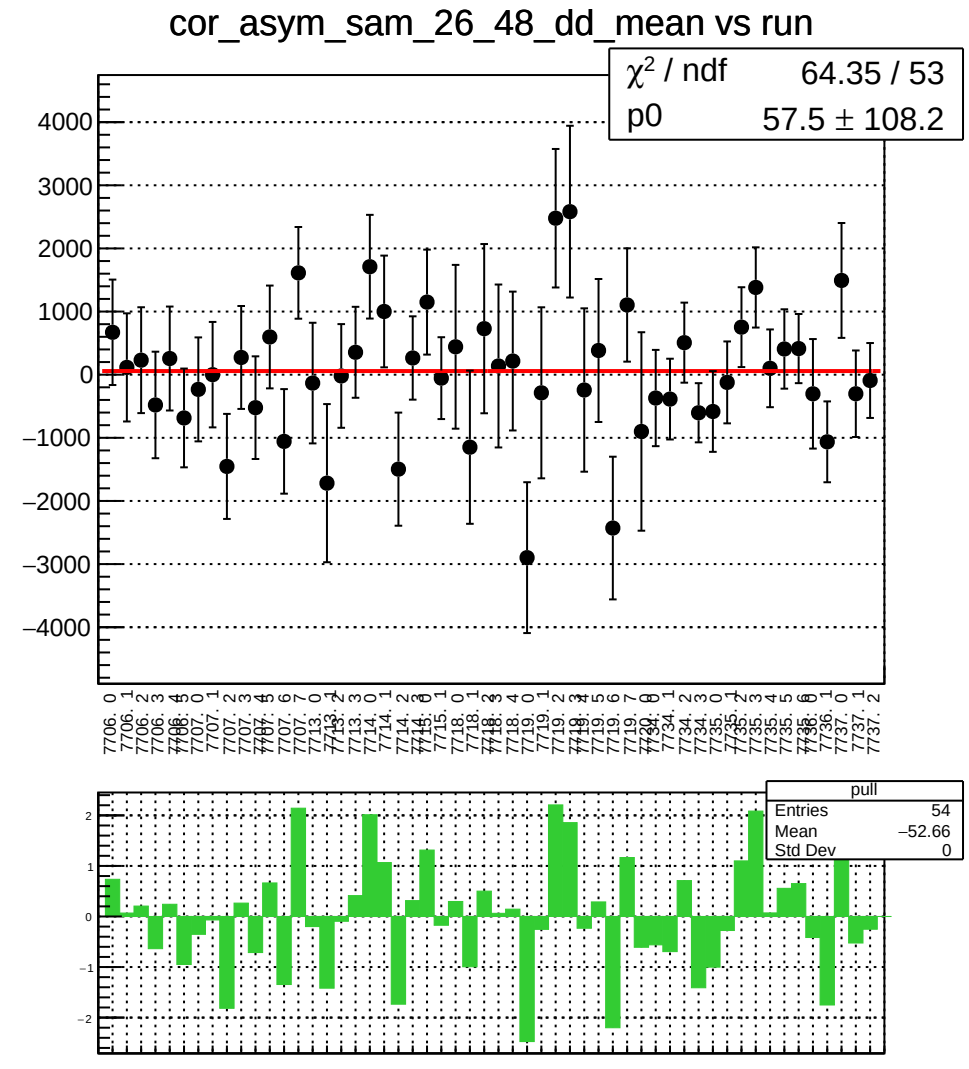

pull1D
Entries 54
Mean −0.008219
Std Dev 1.092

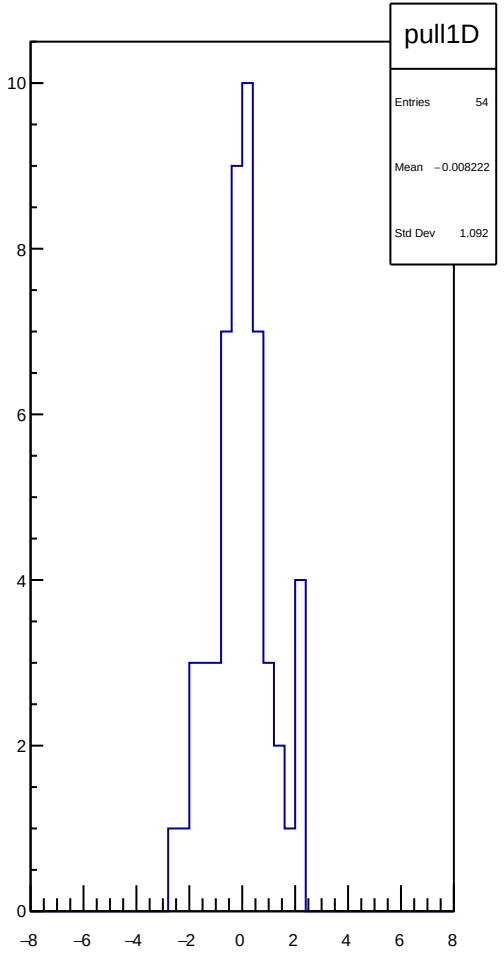

reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5.337e+04 / 53
p0 76.86 ± 0.07653
130
120
110
100
90
80
70
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

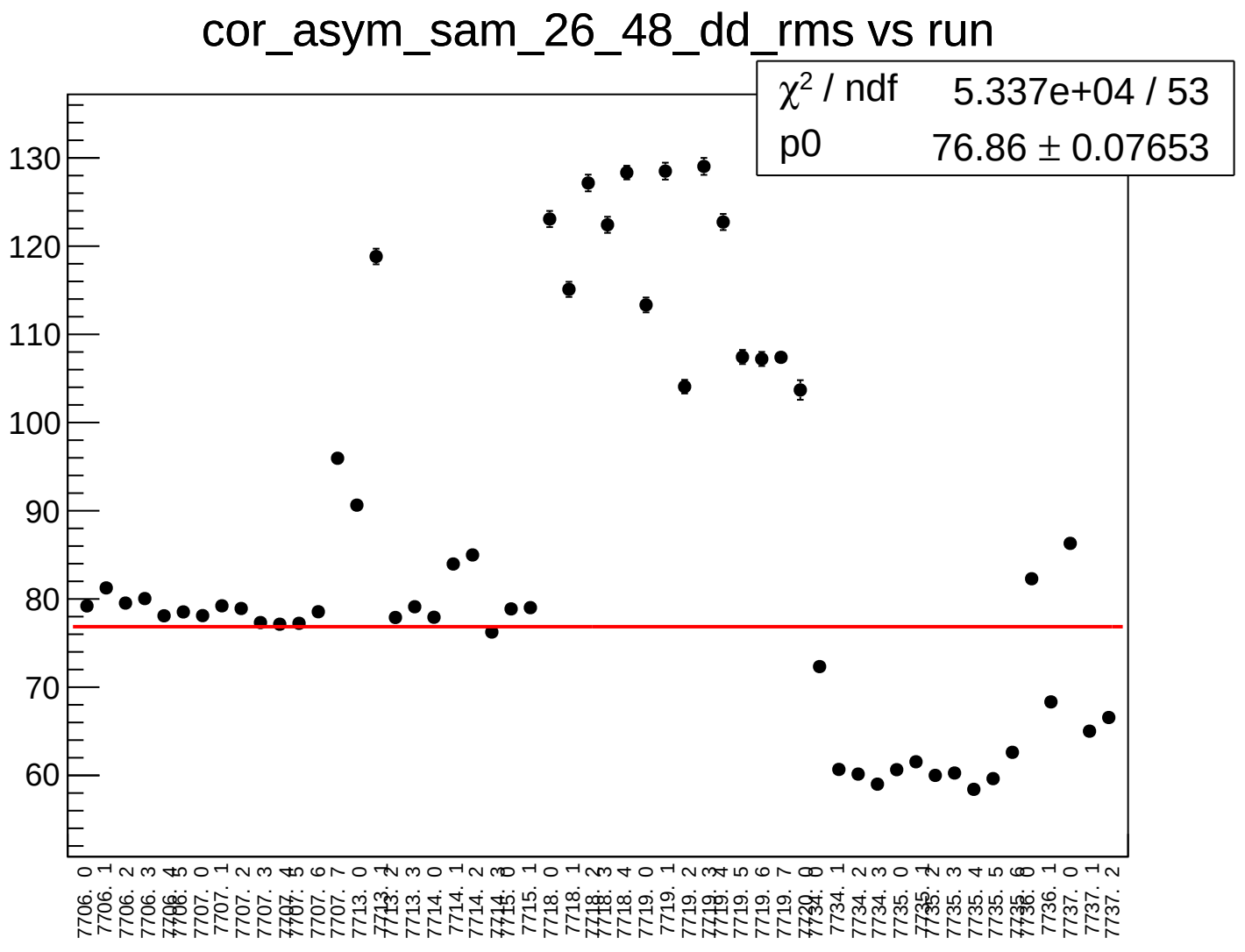

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 41.73 / 53
p0 −624.9 ± 931.1
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 513.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

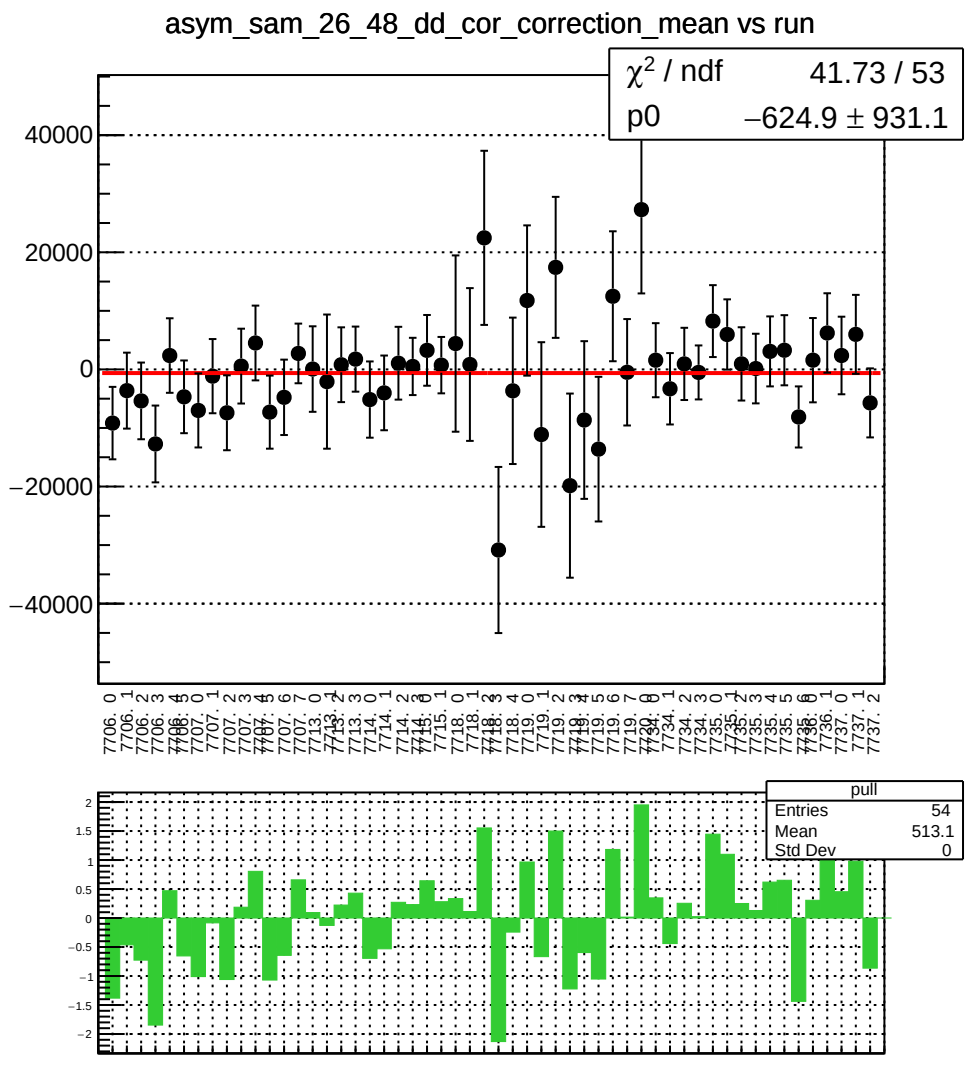

pull1D
Entries 54
Mean 0.009753
Std Dev 0.879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

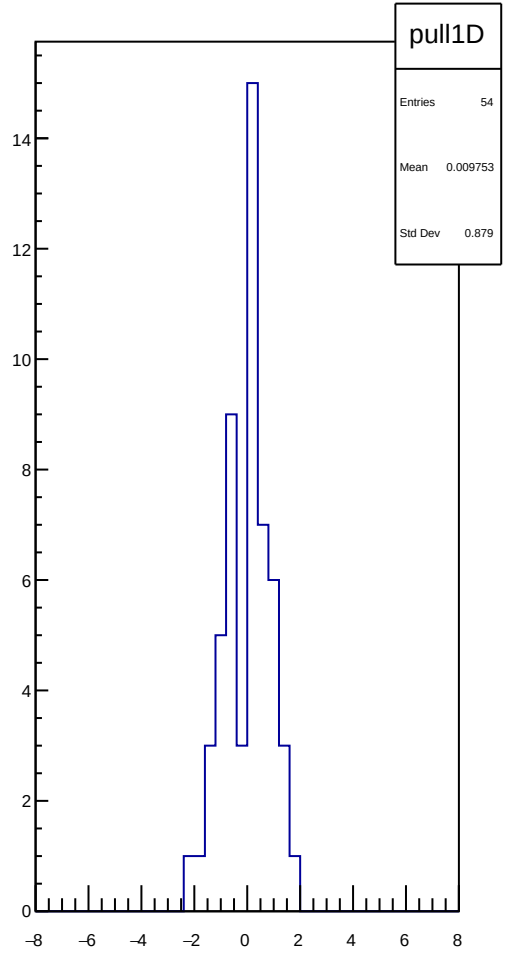

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 7.214e+04 / 53
p0 655 ± 0.6584
1600
1400
1200
1000
800
600

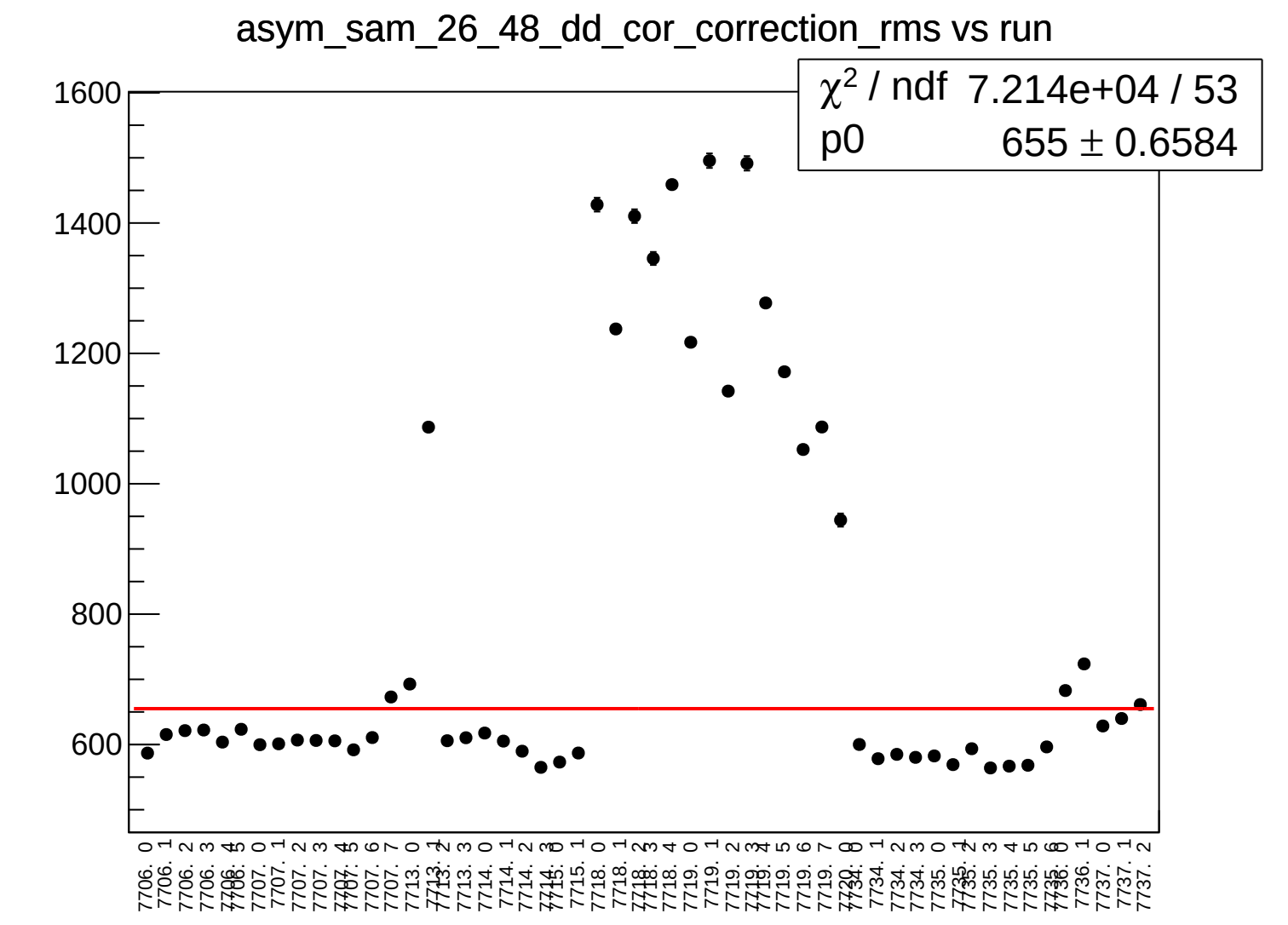

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.35 / 53
p0 57.5 ± 108.2
pull
Entries 54
Mean −52.66
Std Dev 0

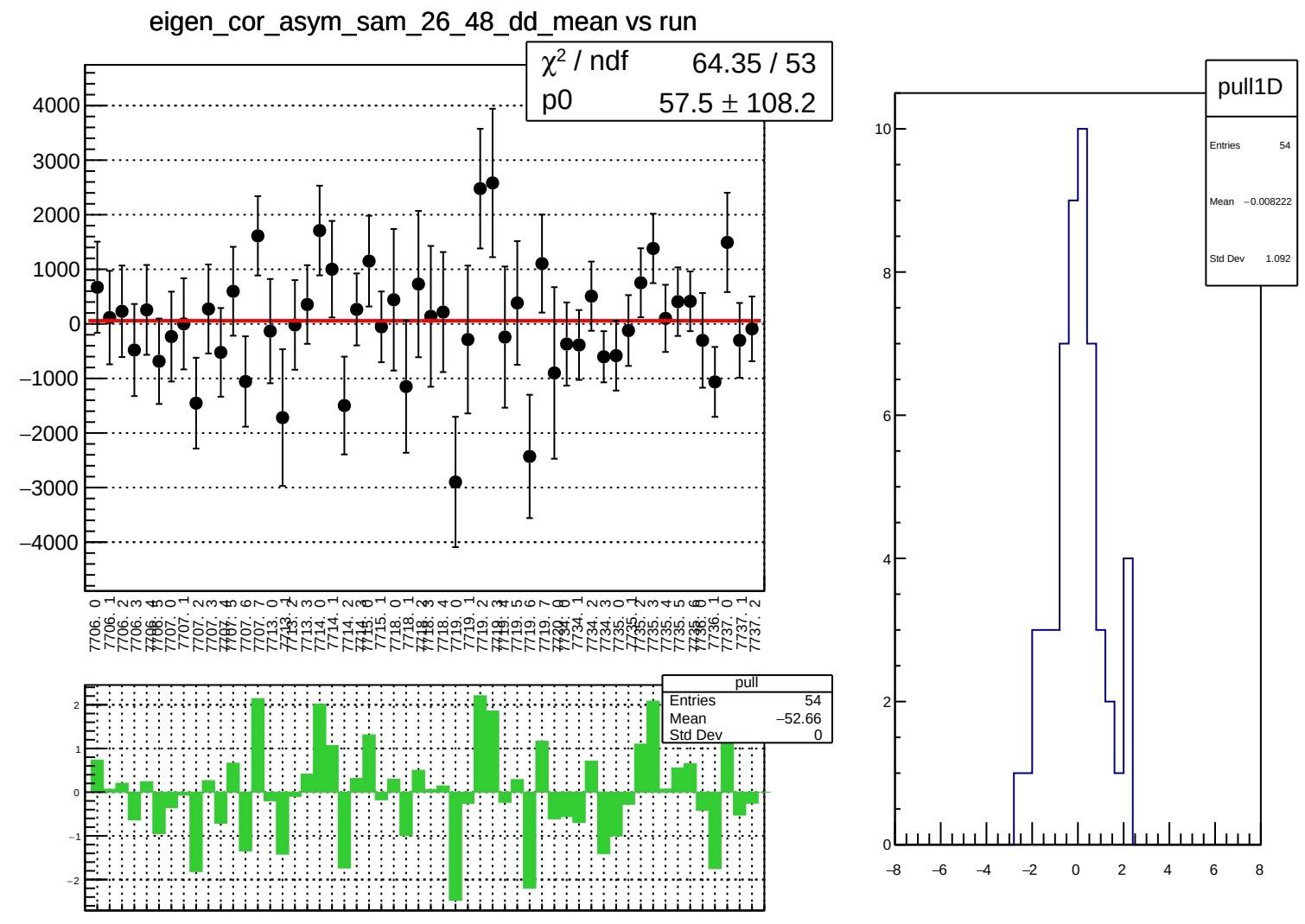

pull1D
Entries 54
Mean −0.008222
Std Dev 1.092

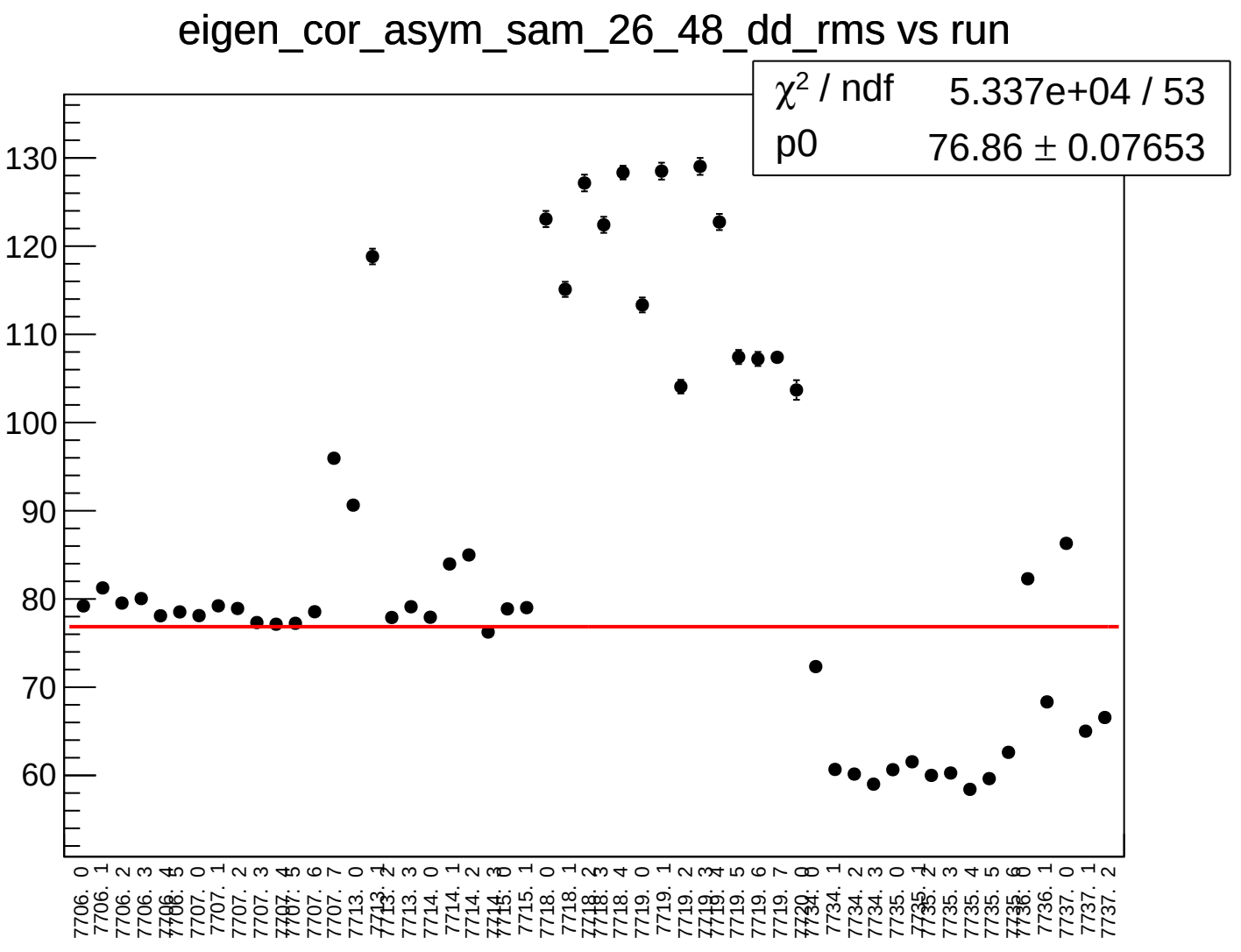

cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5.337e+04 / 53
p0 76.86 ± 0.07653
130
120
110
100
90
80
70
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

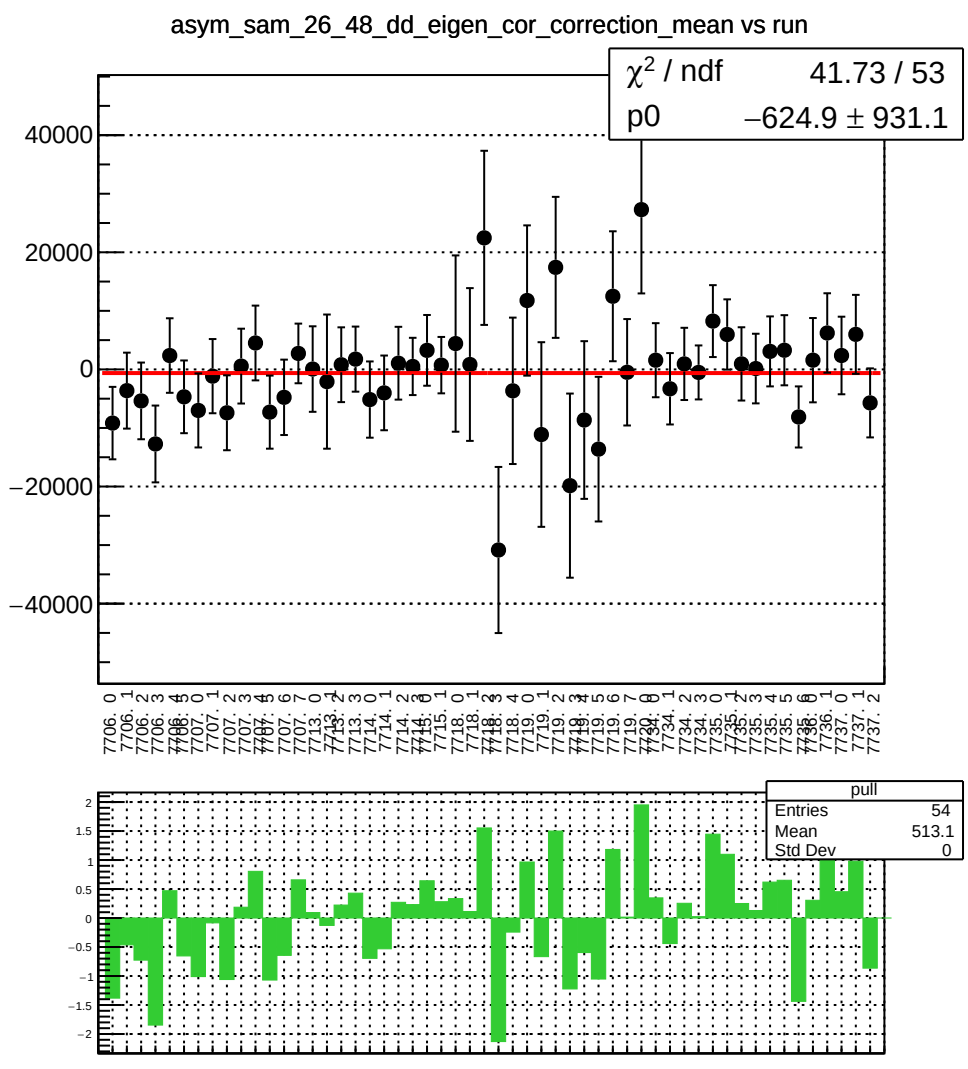

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 41.73 / 53
p0 −624.9 ± 931.1
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 513.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

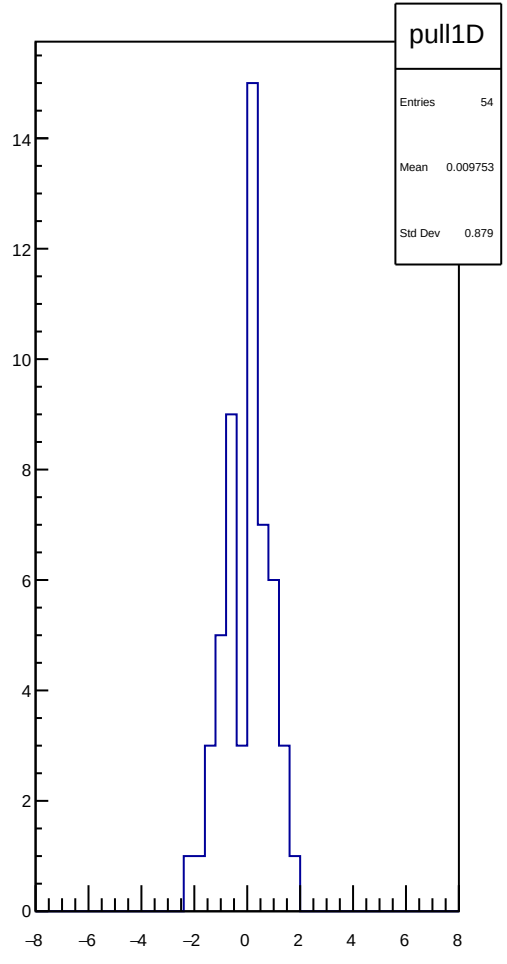

pull1D
Entries 54
Mean 0.009753
Std Dev 0.879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

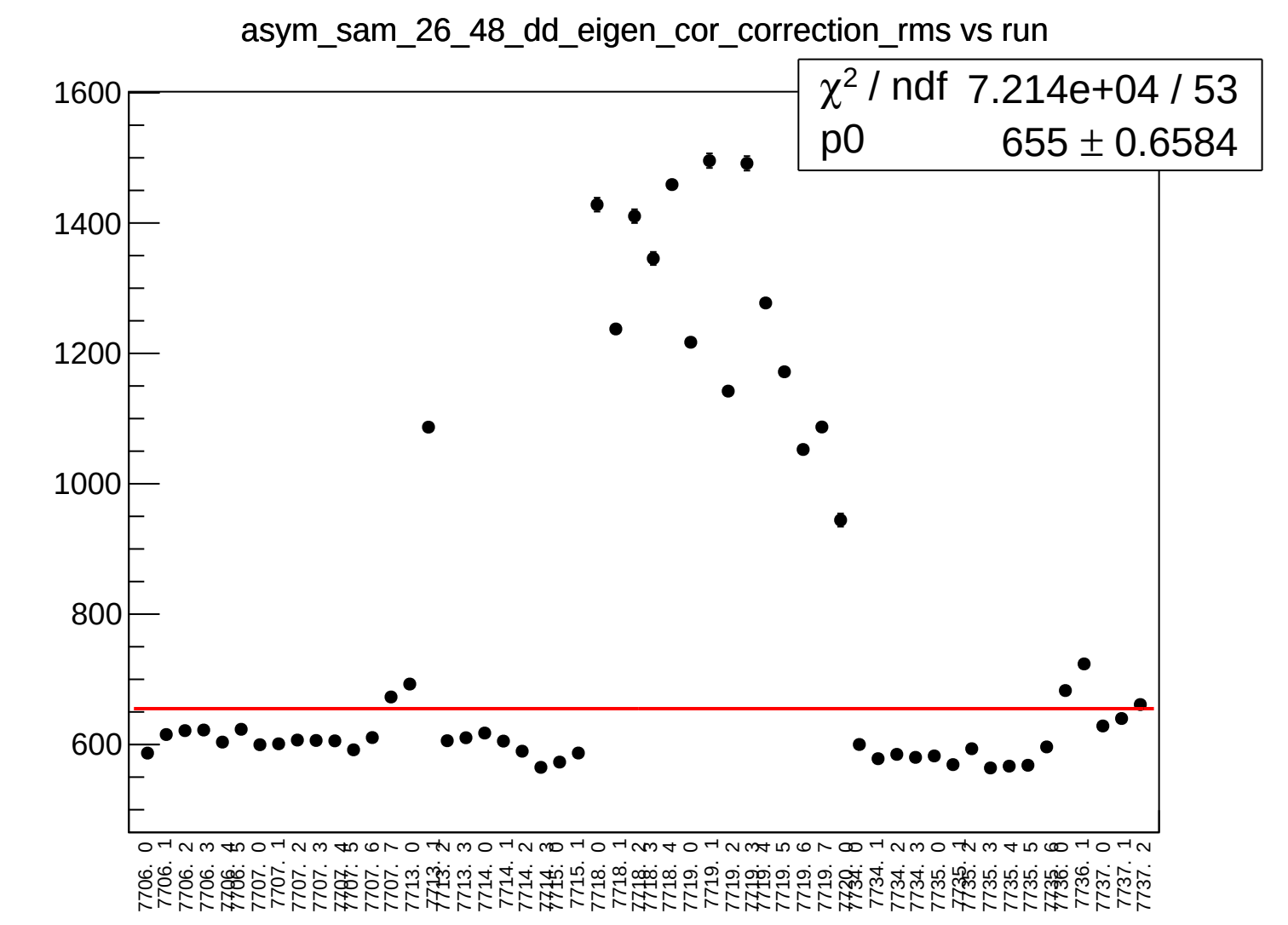

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 7.214e+04 / 53
p0 655 ± 0.6584
1600
1400
1200
1000
800
600

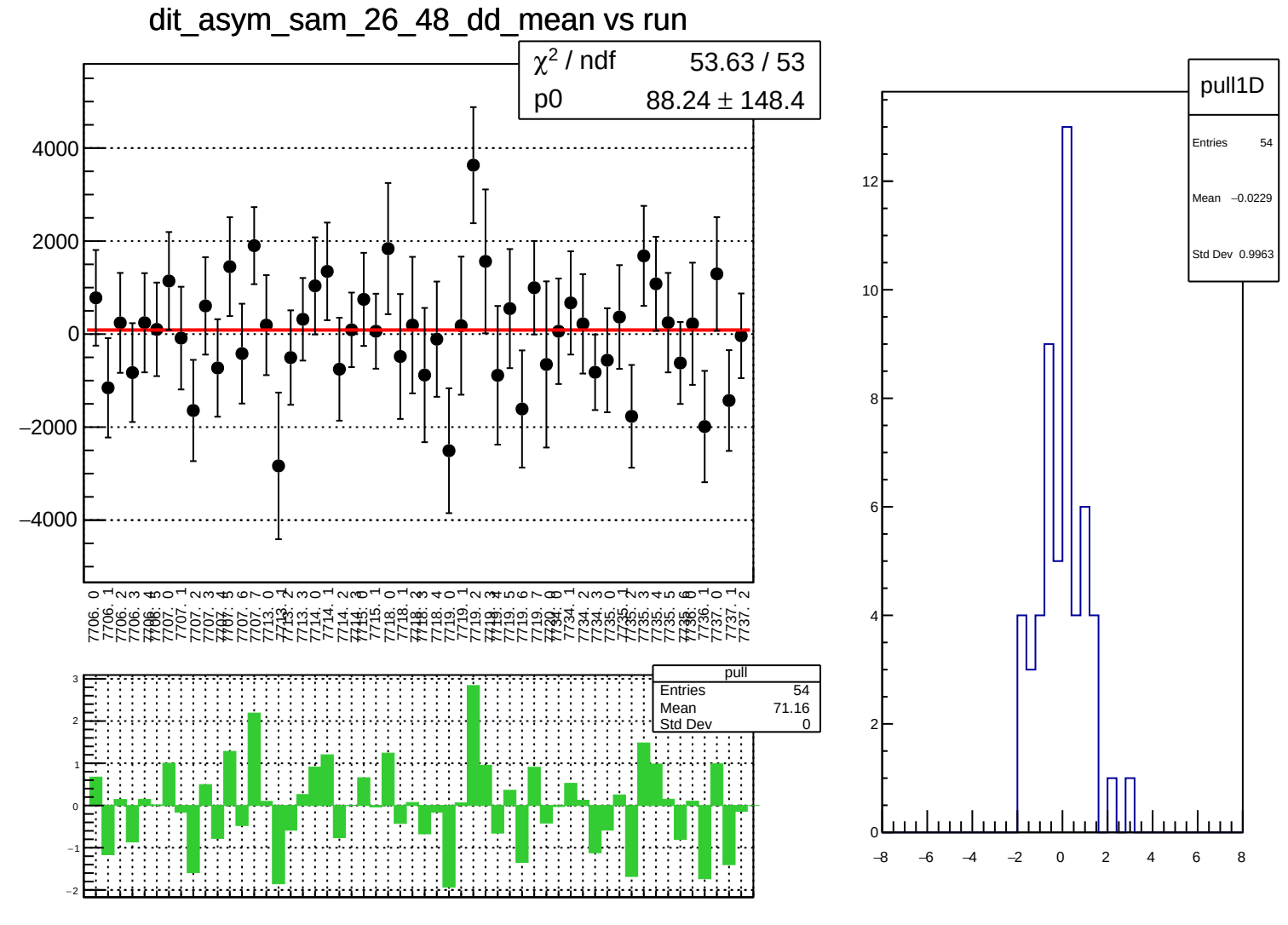

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.35 / 53
p0 57.5 ± 108.2
pull
Entries 54
Mean −52.66
Std Dev 0
pull1D
Entries 54
Mean −0.008222
Std Dev 1.092

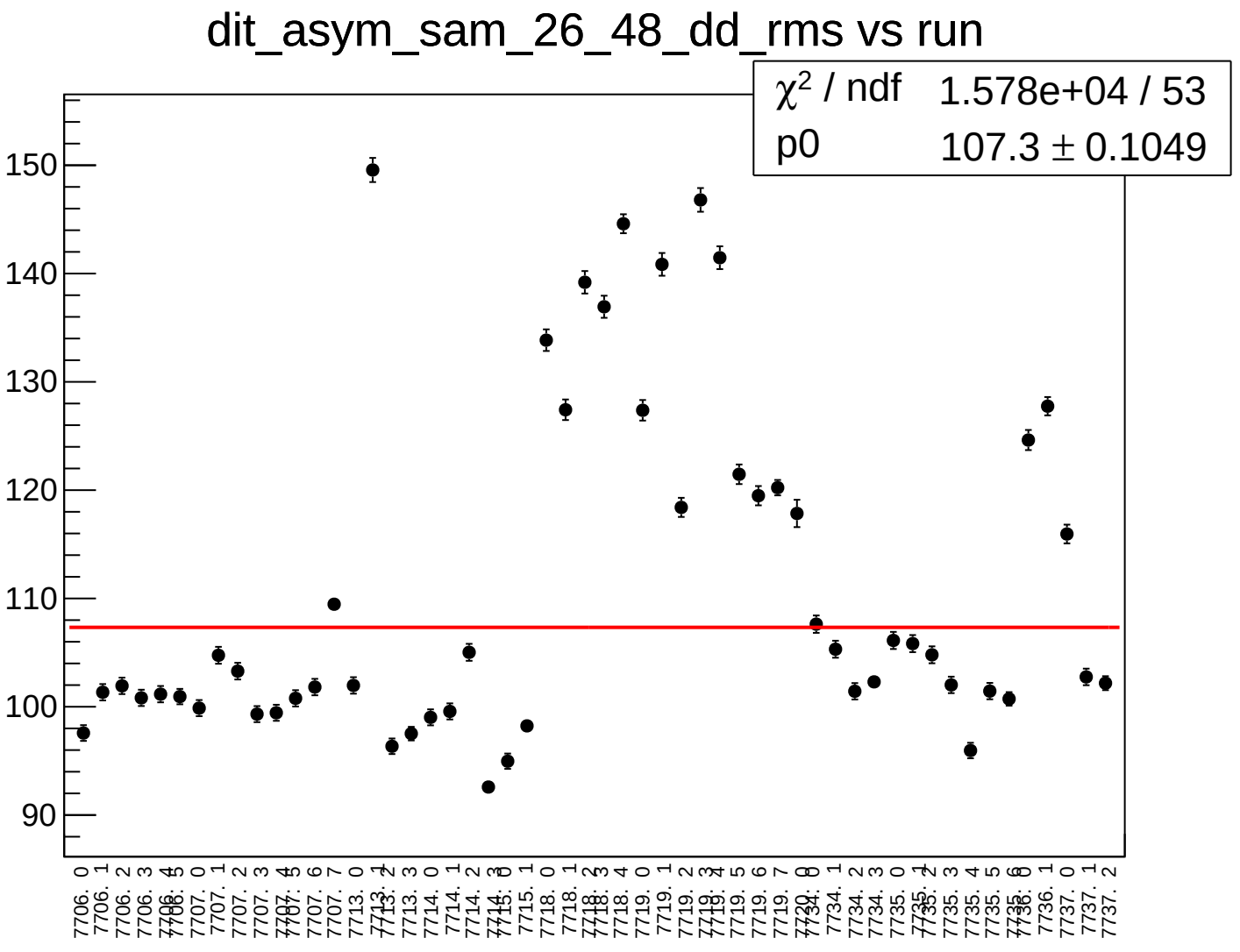

eigen_cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5.337e+04 / 53
p0 76.86 ± 0.07653
130
120
110
100
90
80
70
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

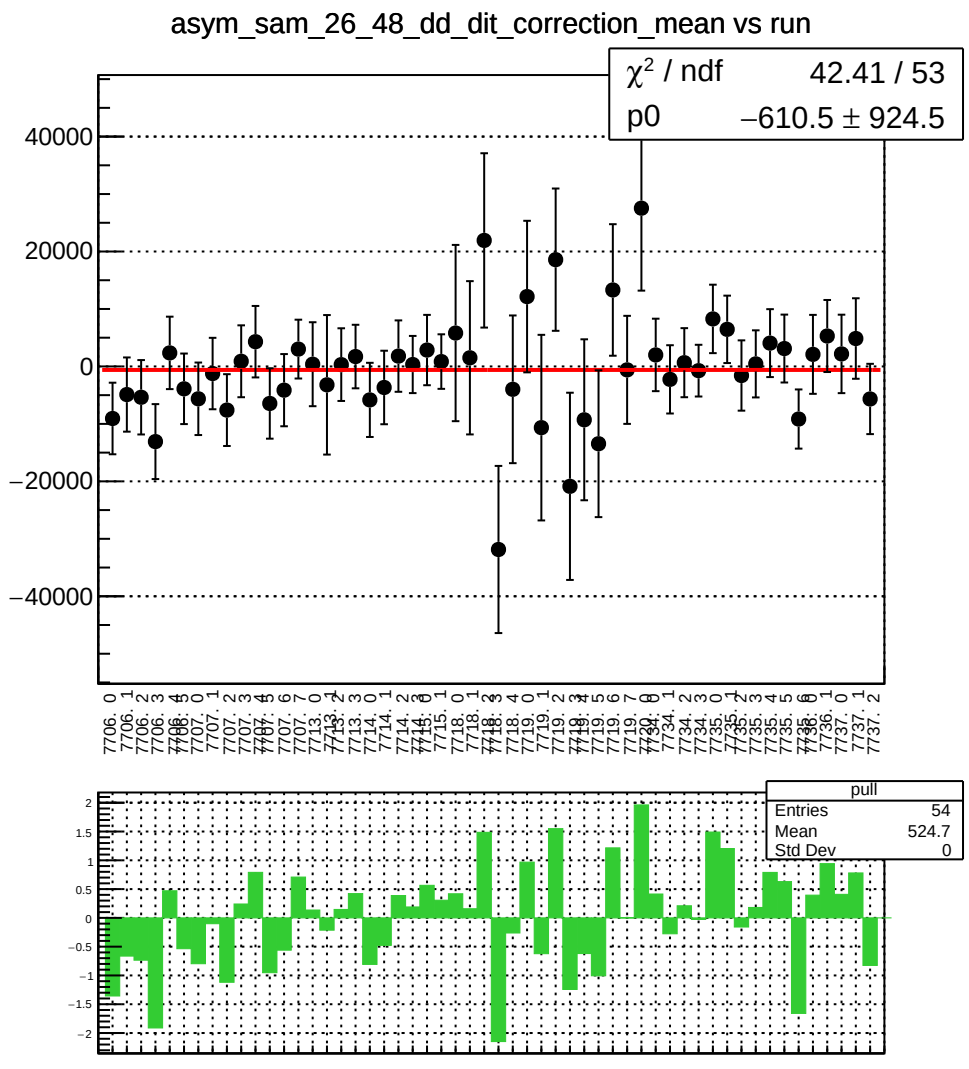

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.73 / 53
p0 −624.9 ± 931.1
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 513.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

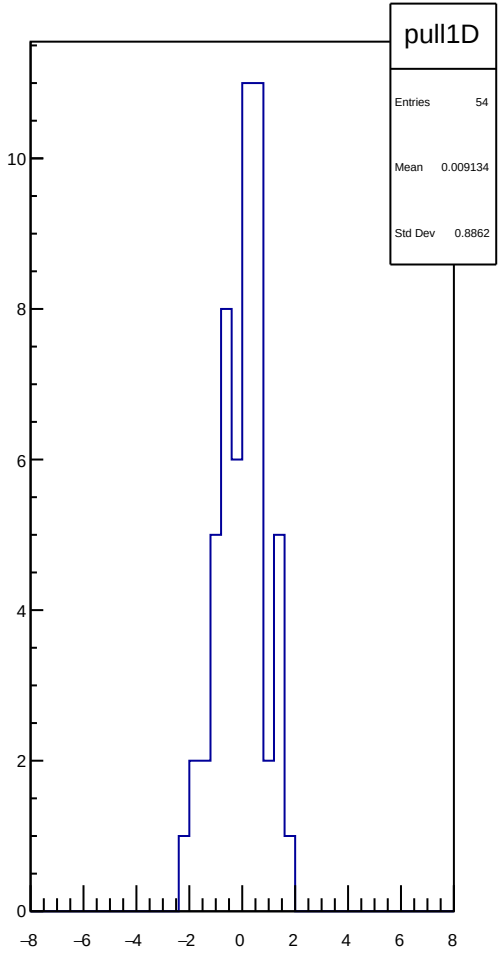

pull1D
Entries 54
Mean 0.009753
Std Dev 0.879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

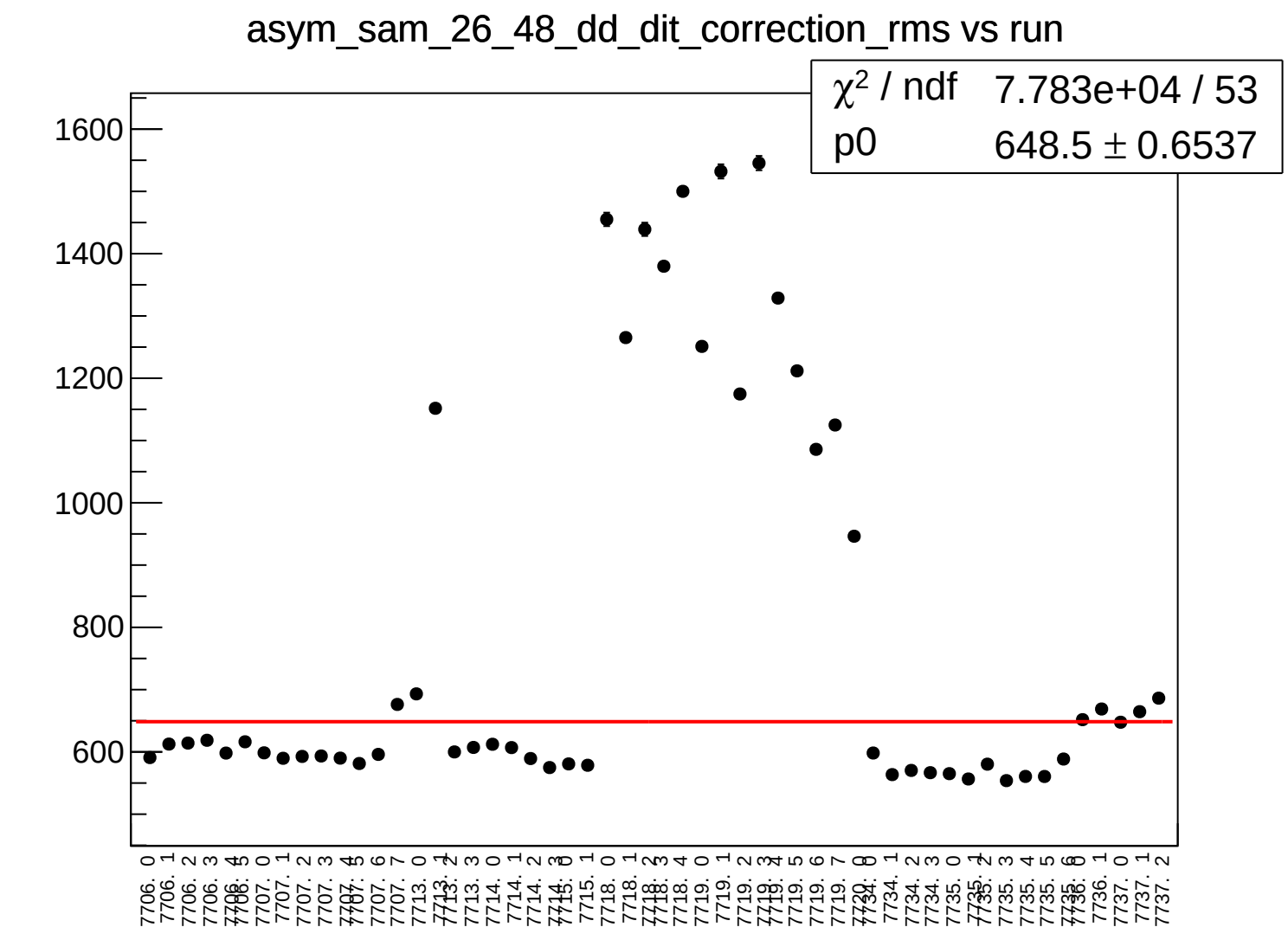

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 7.214e+04 / 53
p0 655 ± 0.6584
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

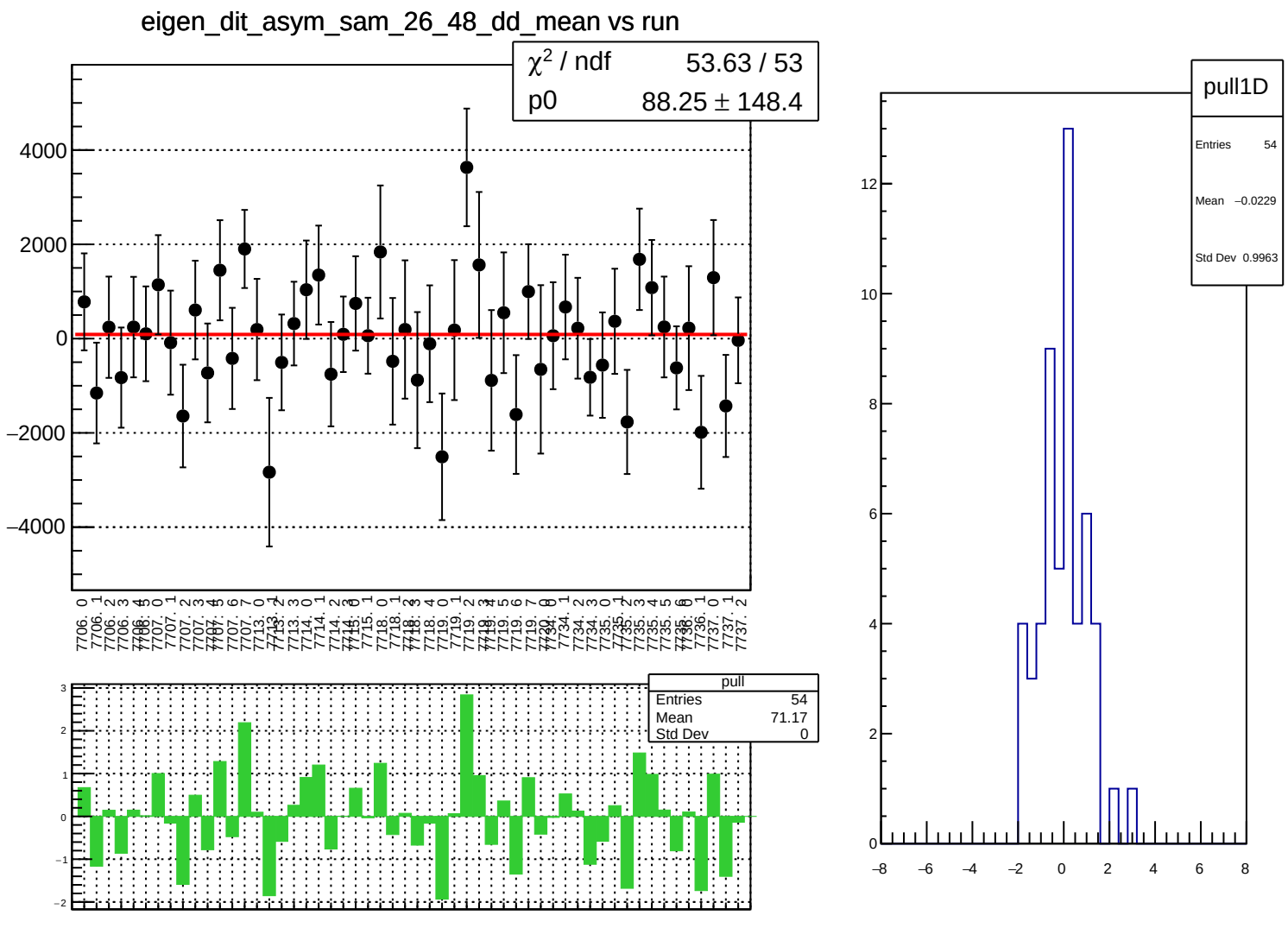

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 53.63 / 53
p0 88.24 ± 148.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 71.16
Std Dev 0
pull1D
Entries 54
Mean −0.0229
Std Dev 0.9963

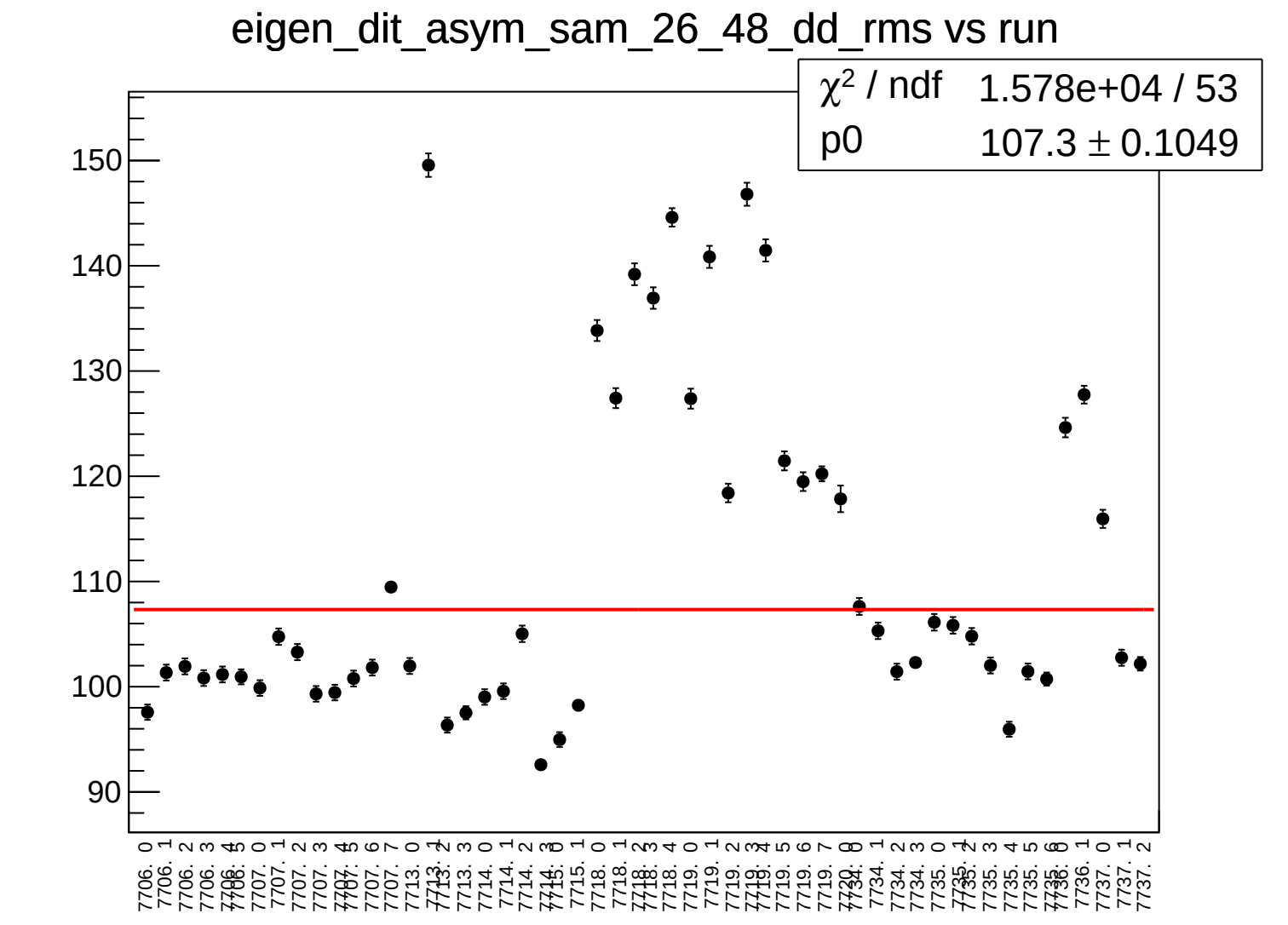

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.578e+04 / 53
p0 107.3 ± 0.1049
150
140
130
120
110
100
90


asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 42.41 / 53
p0 −610.5 ± 924.5
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 524.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

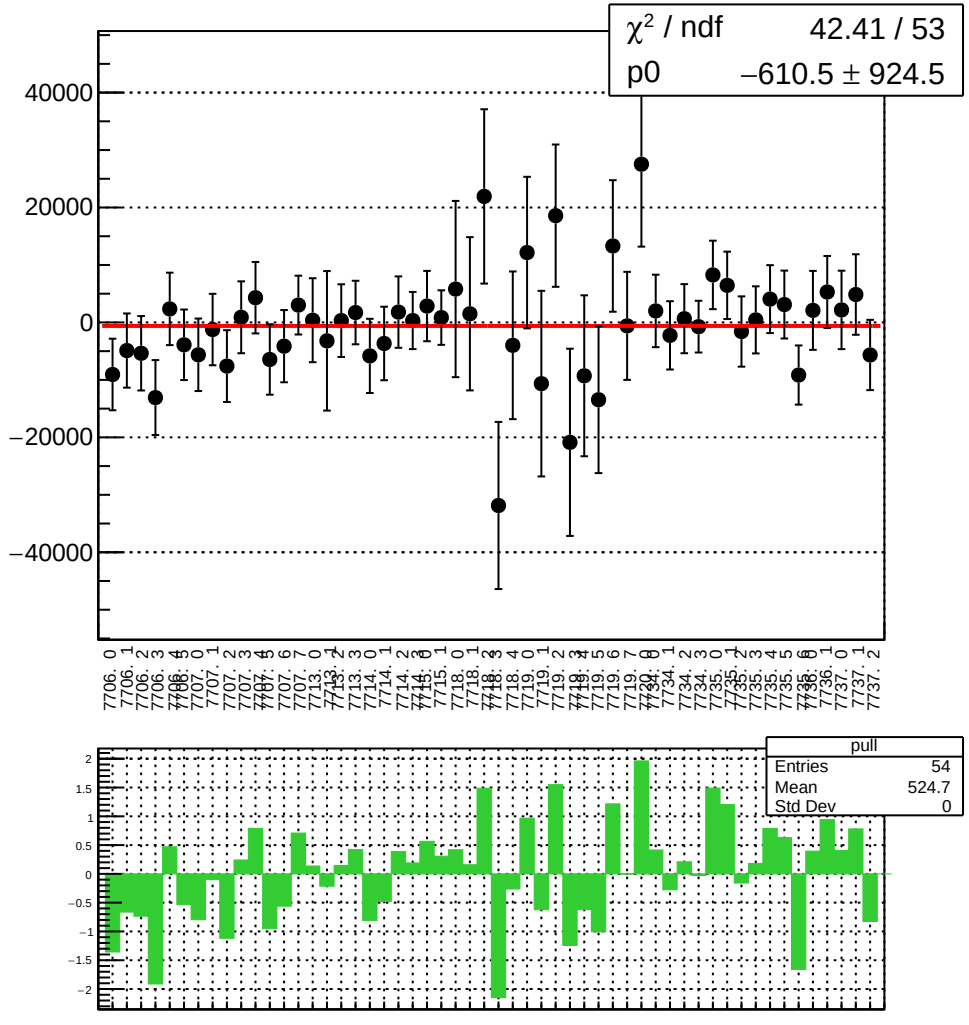

pull1D
Entries 54
Mean 0.009134
Std Dev 0.8862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

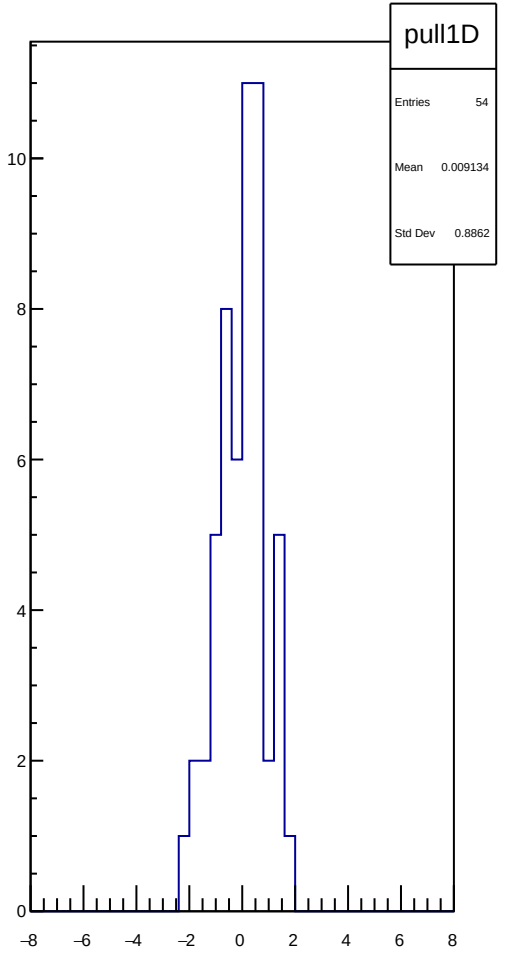

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 7.783e+04 / 53
p0 648.5 ± 0.6537
1600
1400
1200
1000
800
600

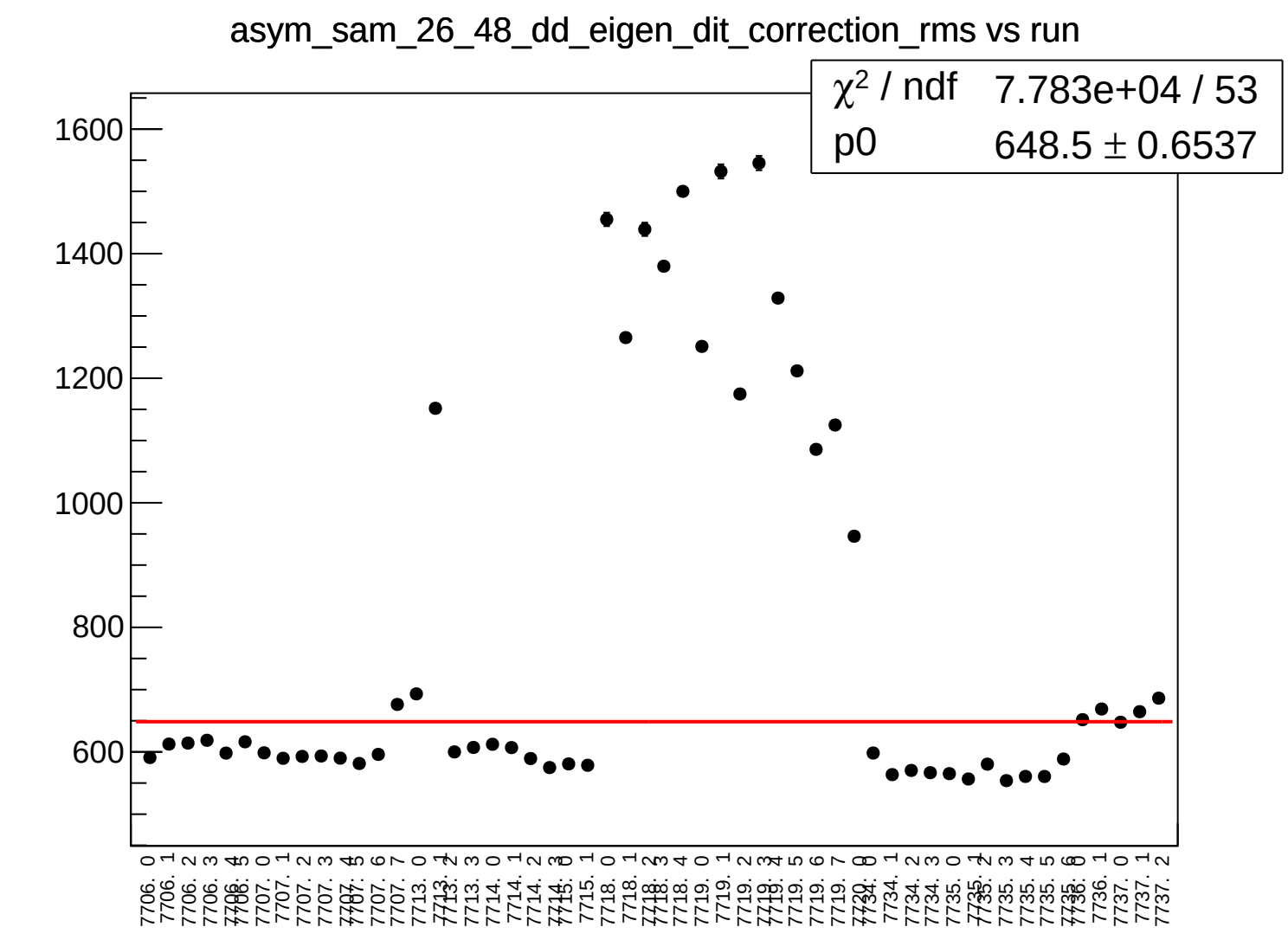

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 53.63 / 53
p0 88.25 ± 148.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 71.17
Std Dev 0
pull1D
Entries 54
Mean −0.0229
Std Dev 0.9963
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

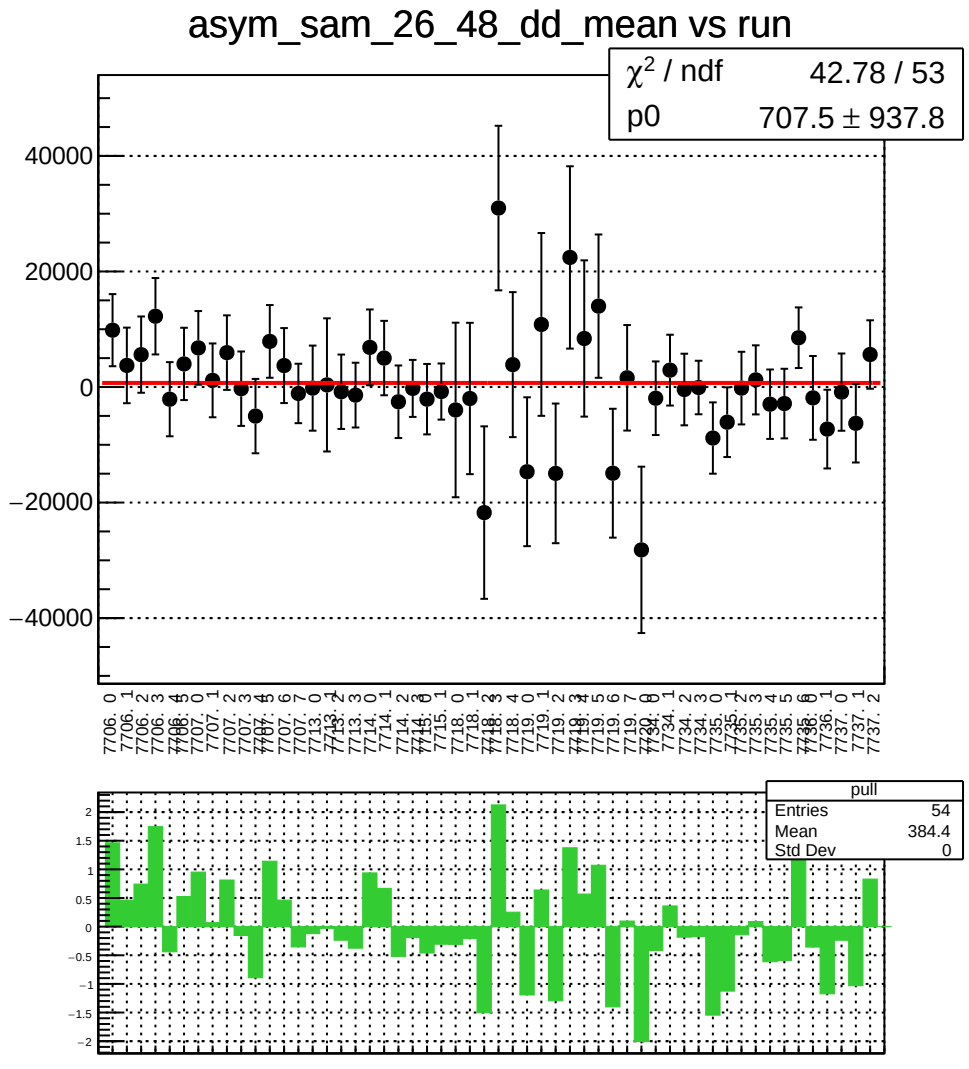

eigen_dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.578e+04 / 53
p0 107.3 ± 0.1049
150
140
130
120
110
100
90

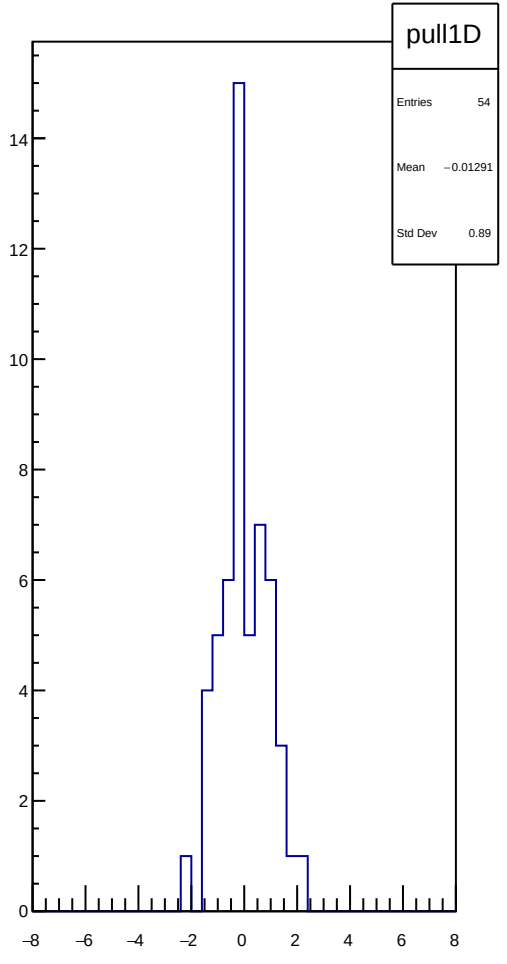
asym_sam_26_48_dd_eigen_dit_correction_mean vs run

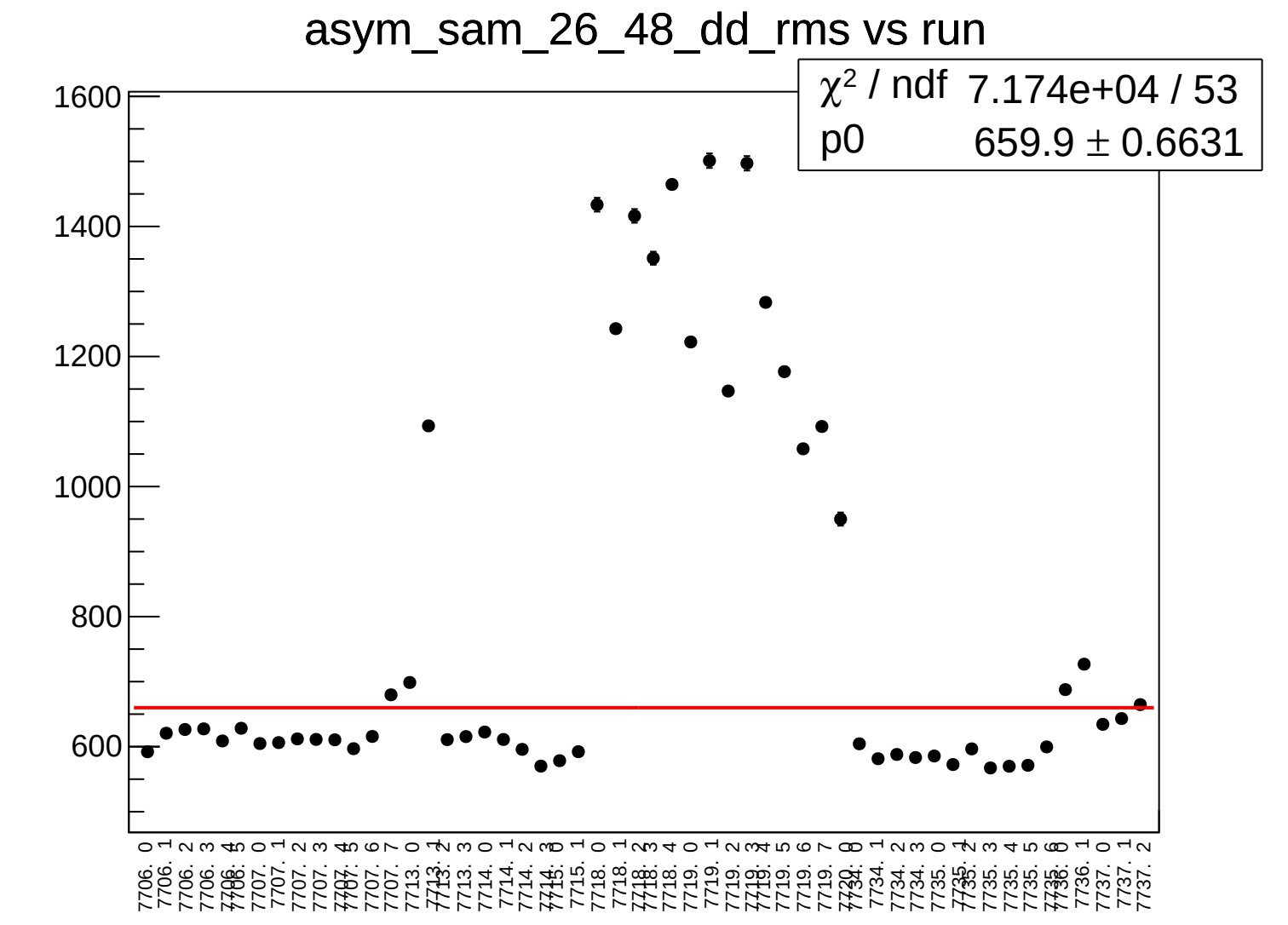


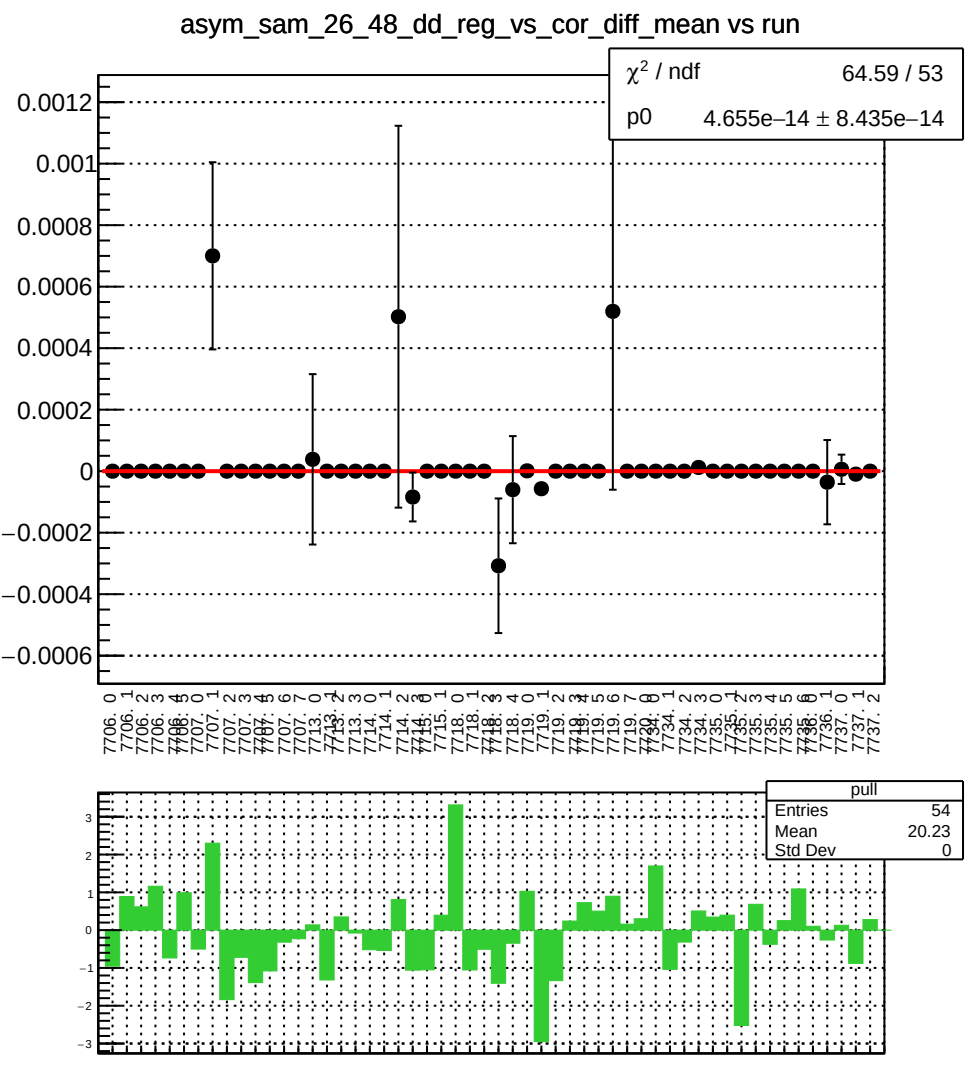


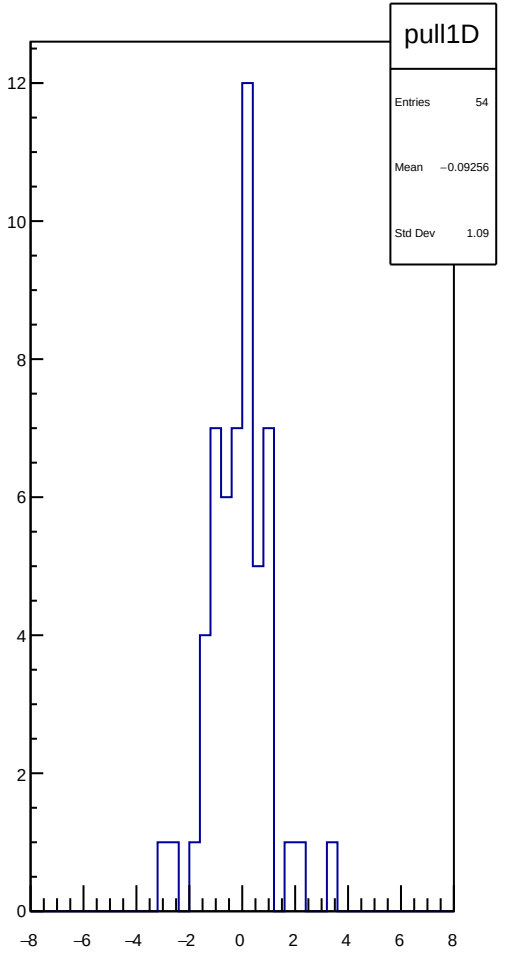

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.783e+04 / 53
p0 648.5 ± 0.6537
1600
1400
1200
1000
800
600

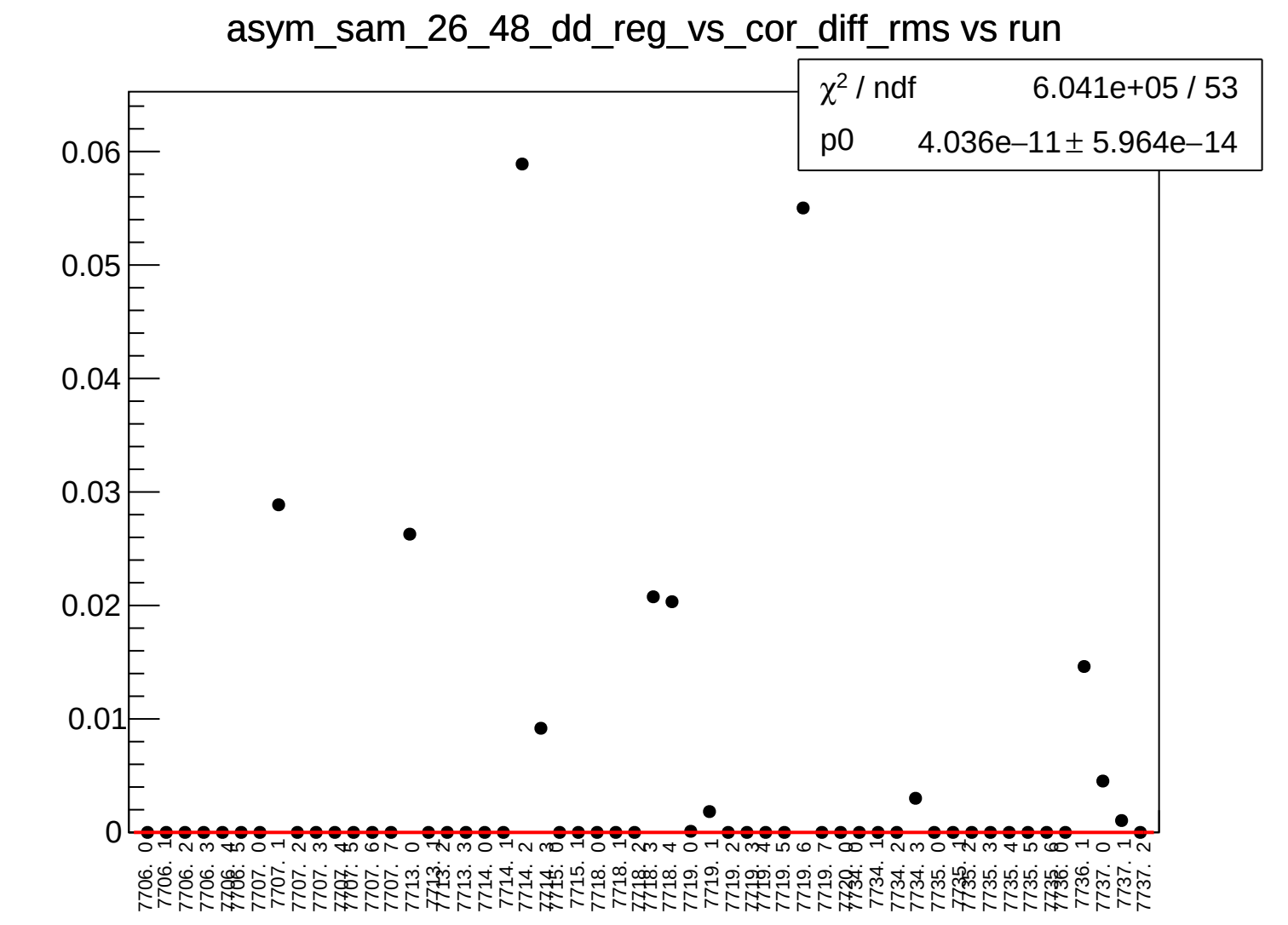

asym_sam_26_48_dd_mean vs run
χ² / ndf 42.78 / 53
p0 707.5 ± 937.8
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 384.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

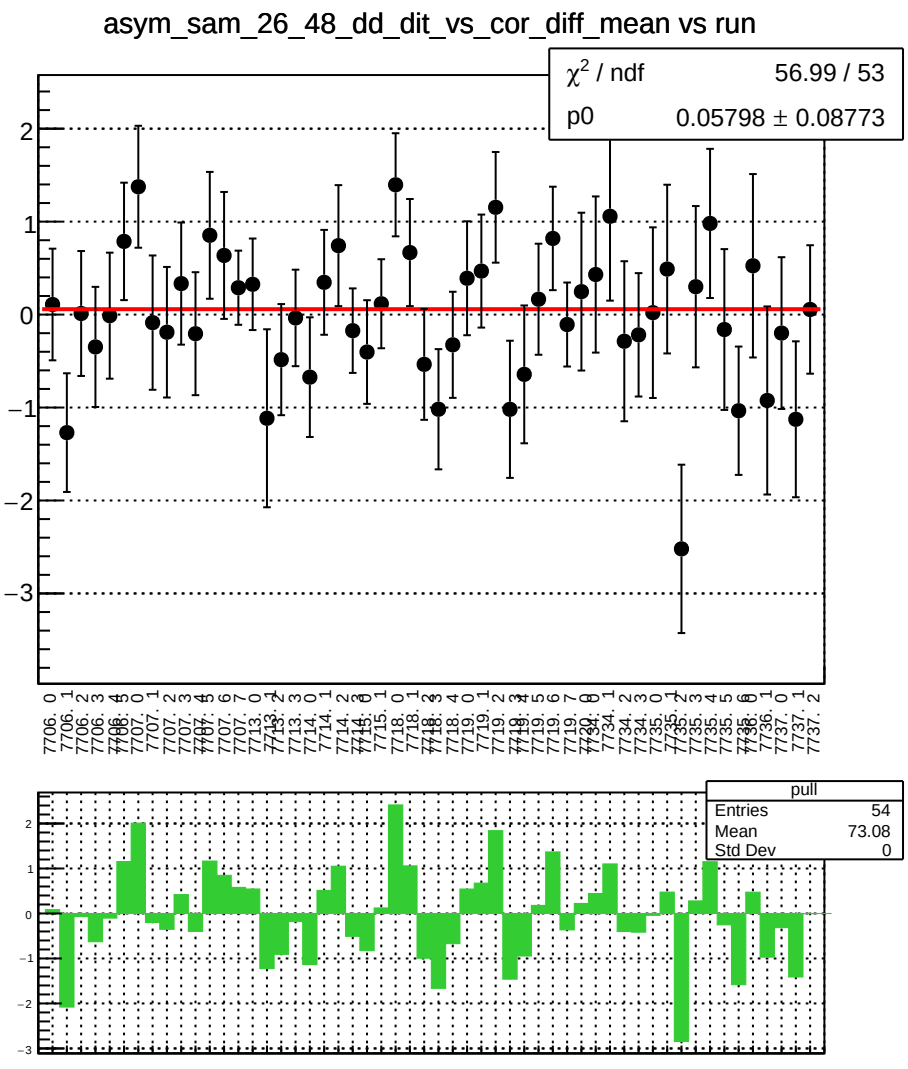

pull1D
Entries 54
Mean −0.01291
Std Dev 0.89
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

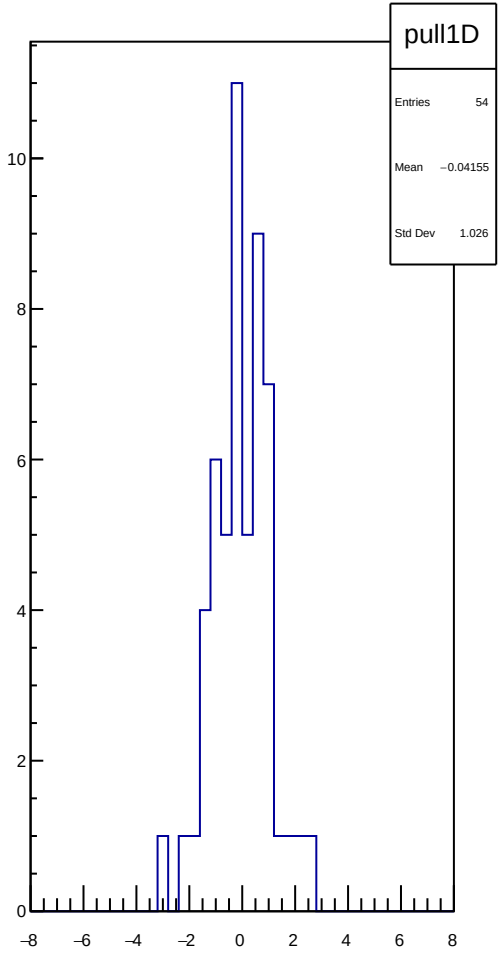

asym_sam_26_48_dd_rms vs run
χ² / ndf 7.174e+04 / 53
p0 659.9 ± 0.6631
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

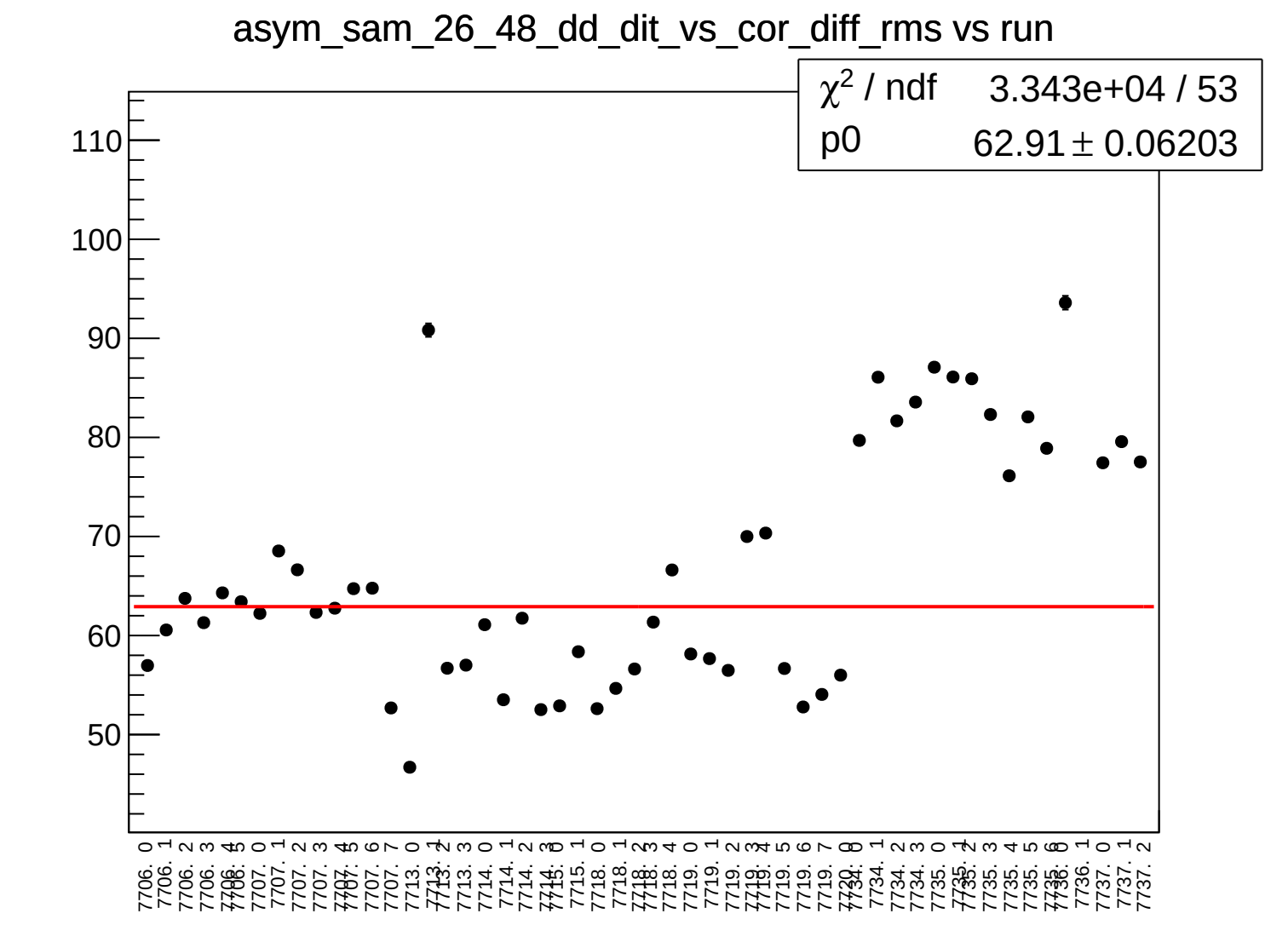

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.59 / 53
p0 4.655e−14 ± 8.435e−14
pull
Entries 54
Mean 20.23
Std Dev 0

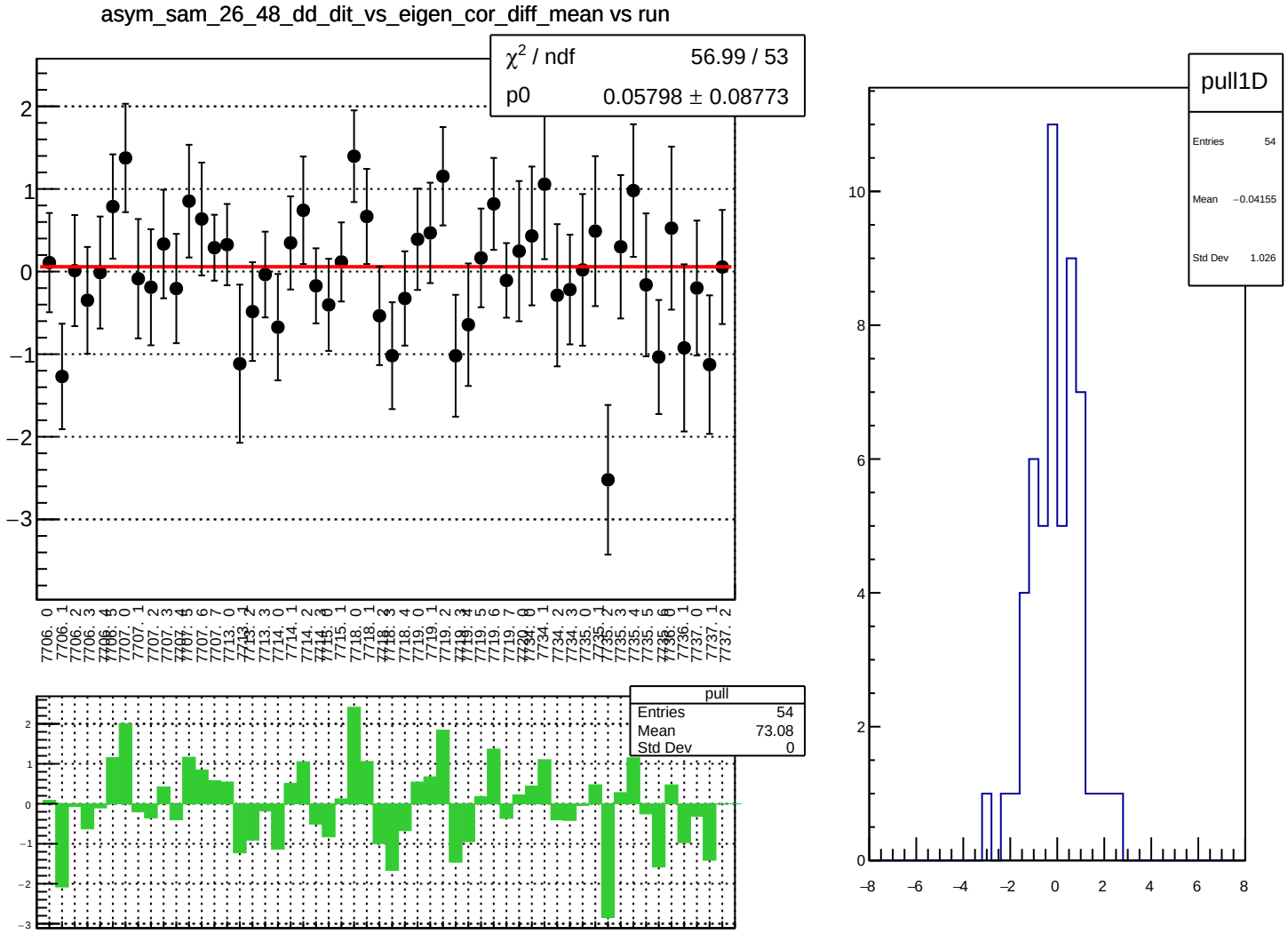

pull1D
Entries 54
Mean −0.09256
Std Dev 1.09

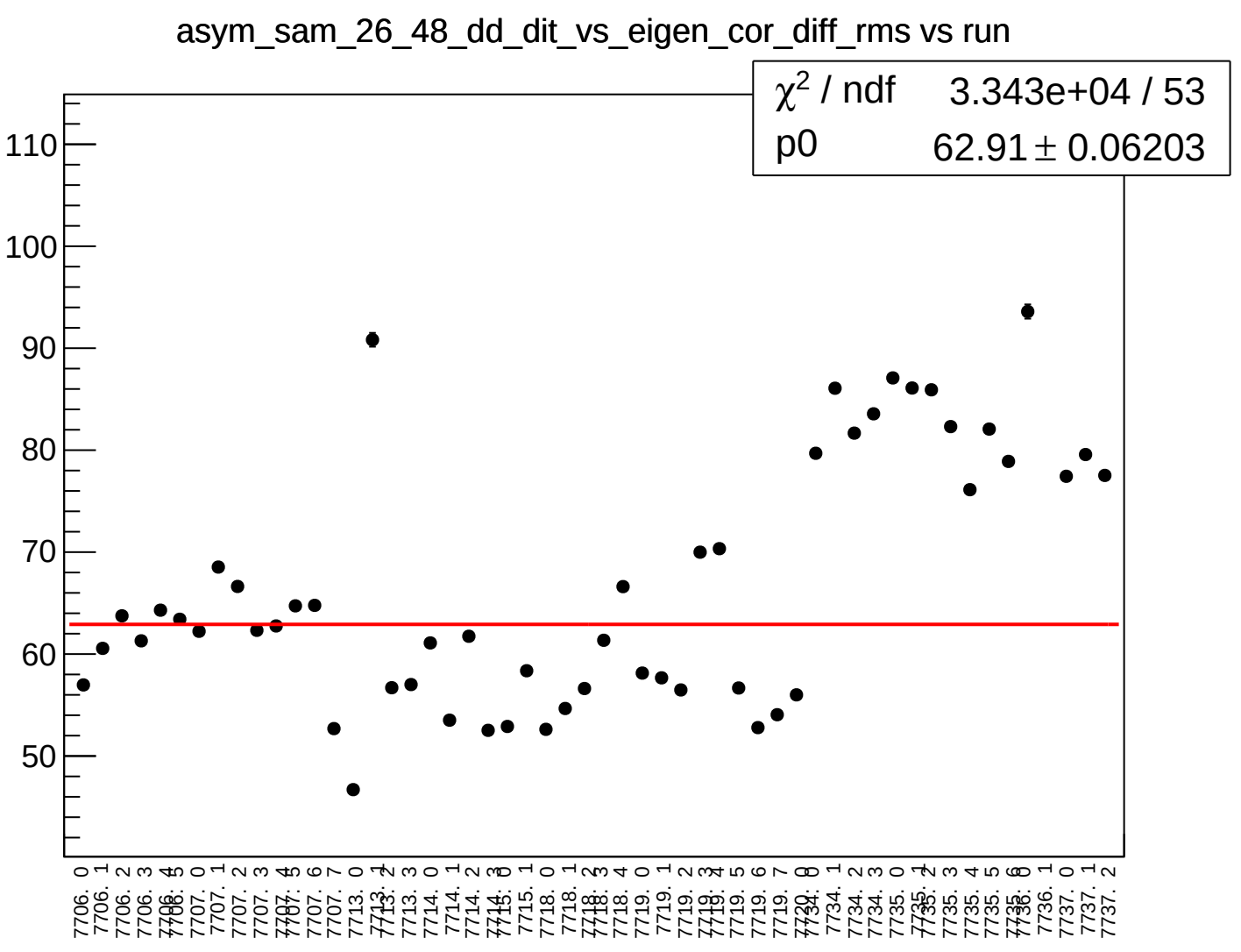

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.041e+05 / 53
p0 4.036e−11 ± 5.964e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

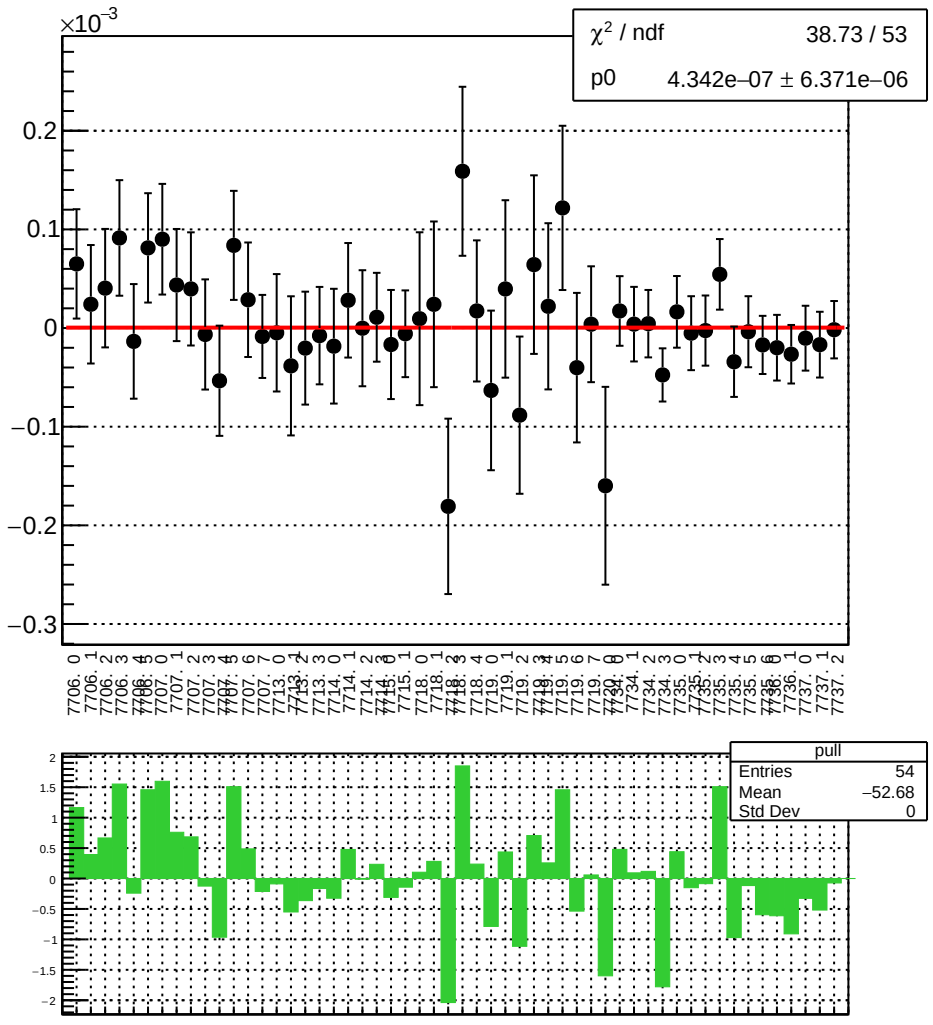

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 53
p0 0.05798 ± 0.08773
pull
Entries 54
Mean 73.08
Std Dev 0

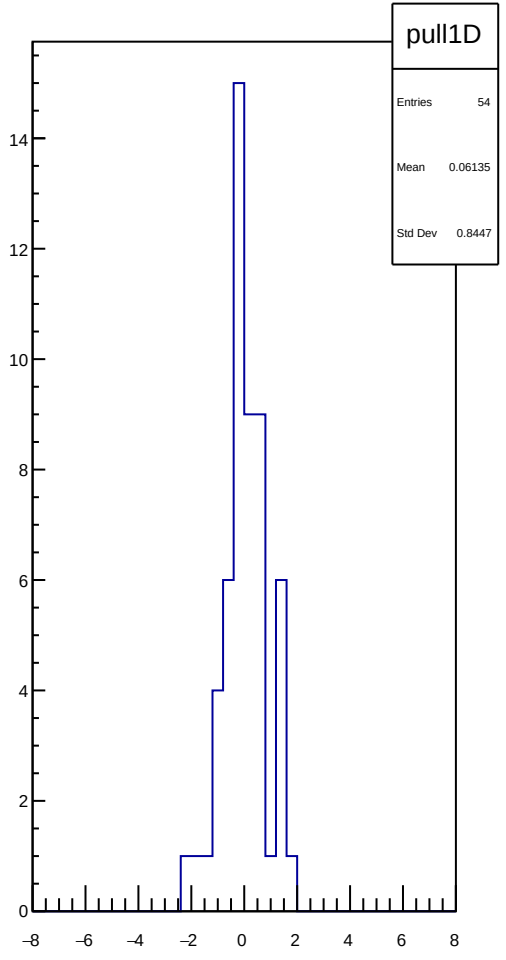

pull1D
Entries 54
Mean −0.04155
Std Dev 1.026

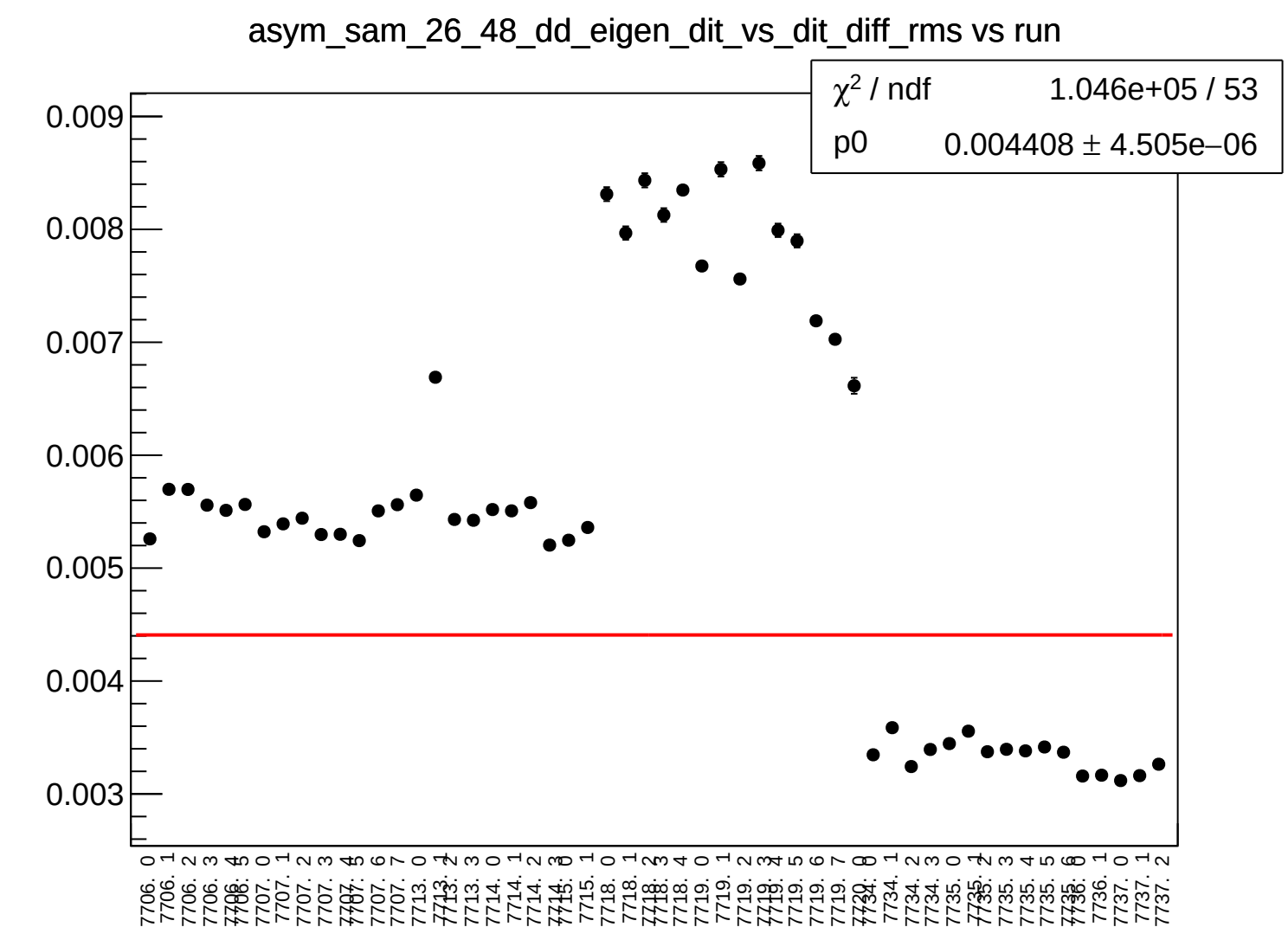

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.343e+04 / 53
p0 62.91 ± 0.06203
110
100
90
80
70
60
50

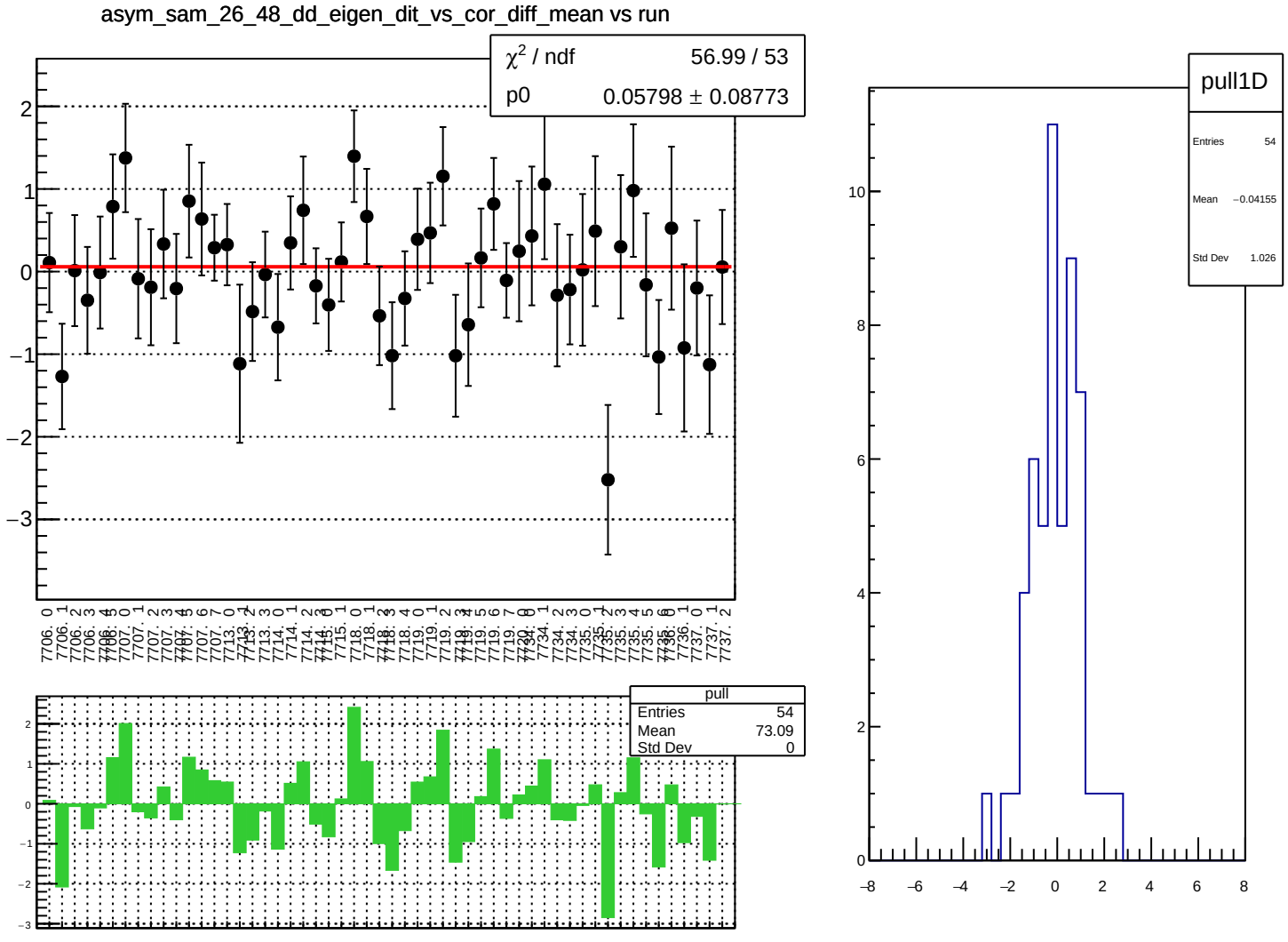

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 53
p0 0.05798 ± 0.08773
pull
Entries 54
Mean 73.08
Std Dev 0
pull1D
Entries 54
Mean −0.04155
Std Dev 1.026

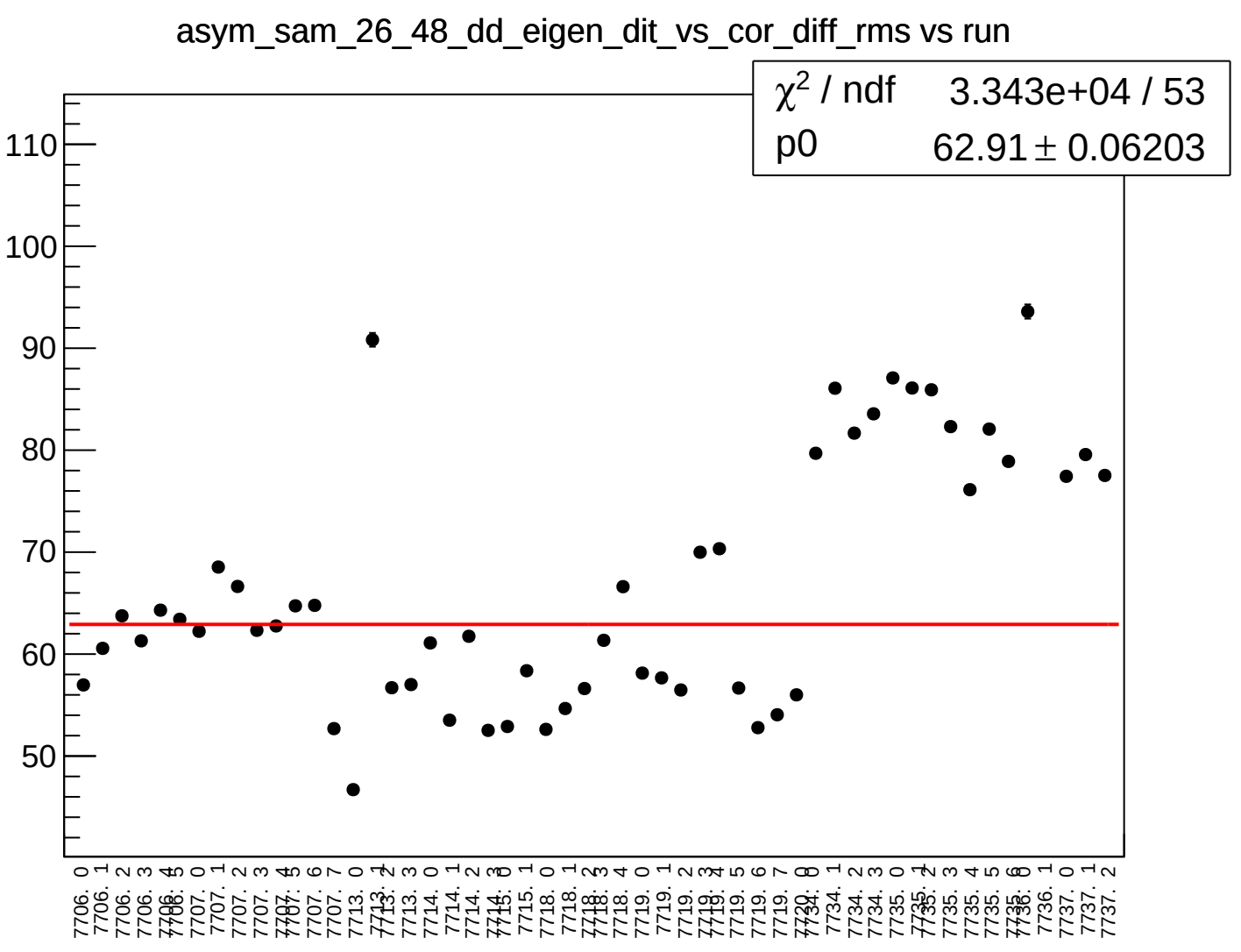

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.343e+04 / 53
p0 62.91 ± 0.06203
110
100
90
80
70
60
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

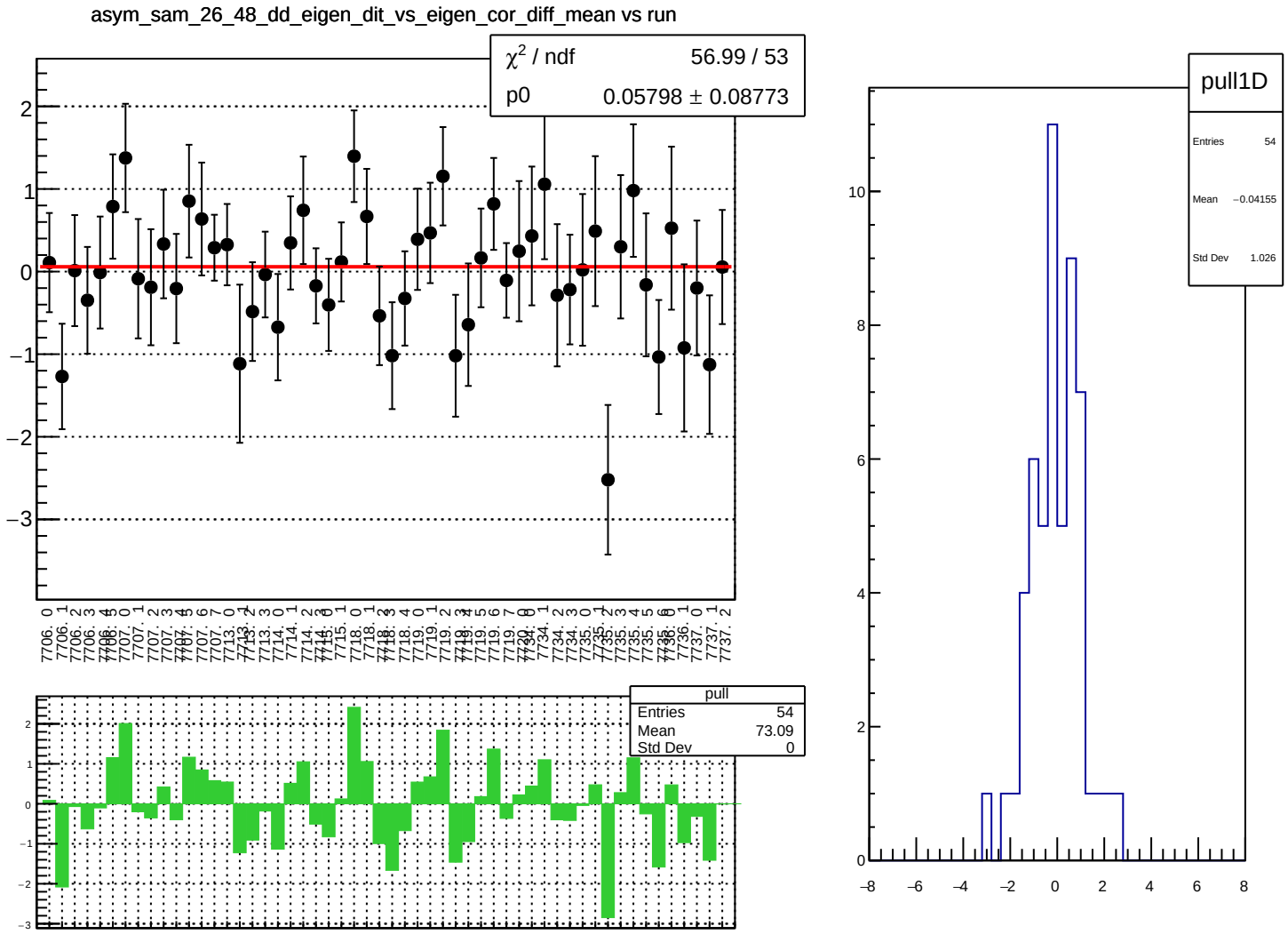

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.73 / 53
p0 4.342e−07 ± 6.371e−06
pull
Entries 54
Mean −52.68
Std Dev 0

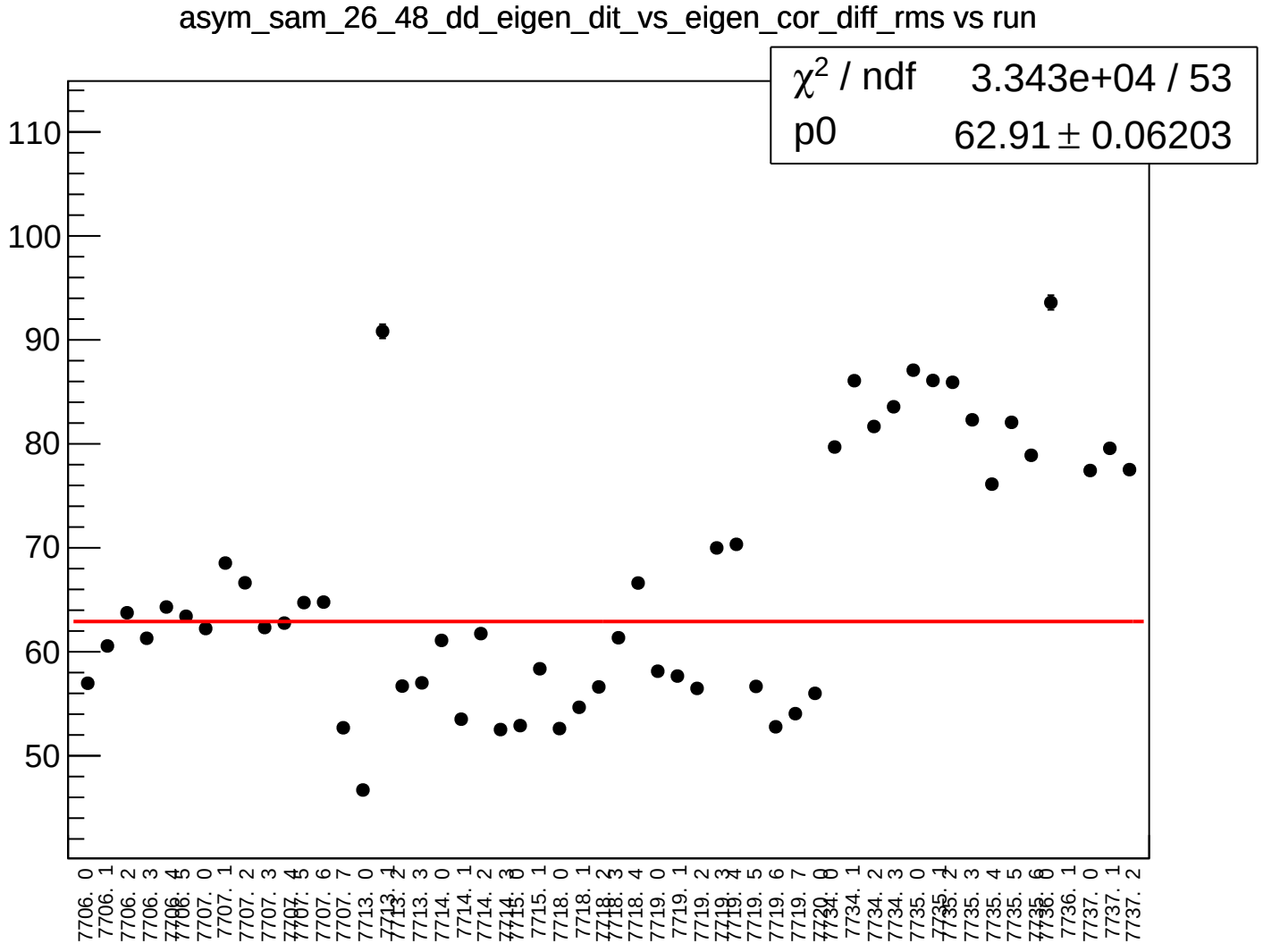

pull1D
Entries 54
Mean 0.06135
Std Dev 0.8447

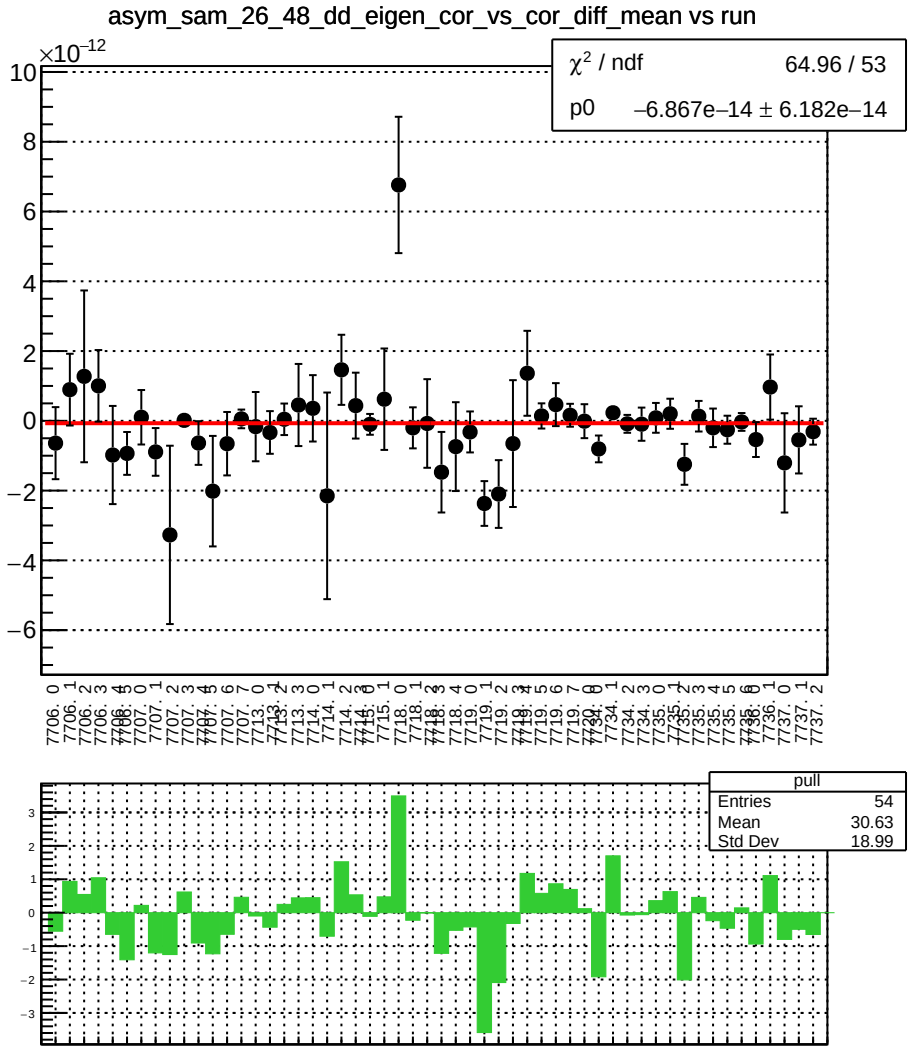

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.046e+05 / 53
p0 0.004408 ± 4.505e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

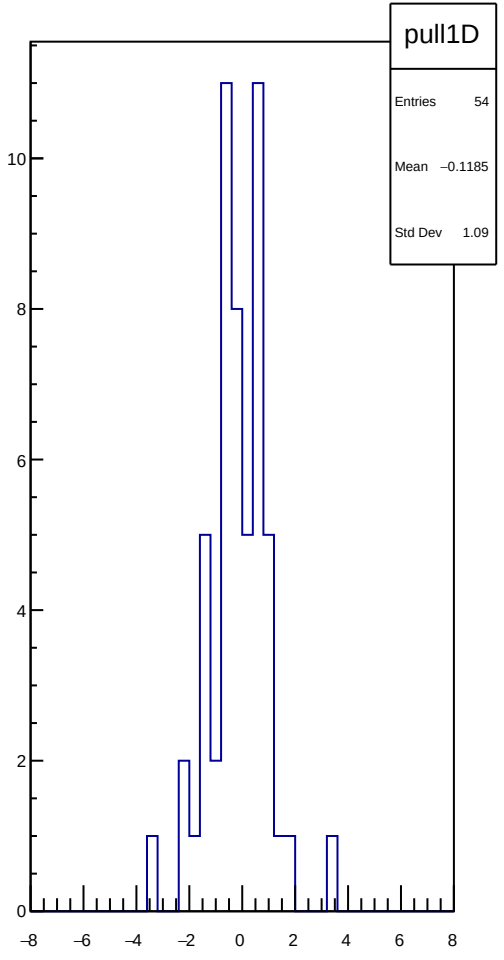

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 53
p0 0.05798 ± 0.08773
pull
Entries 54
Mean 73.09
Std Dev 0
pull1D
Entries 54
Mean −0.04155
Std Dev 1.026

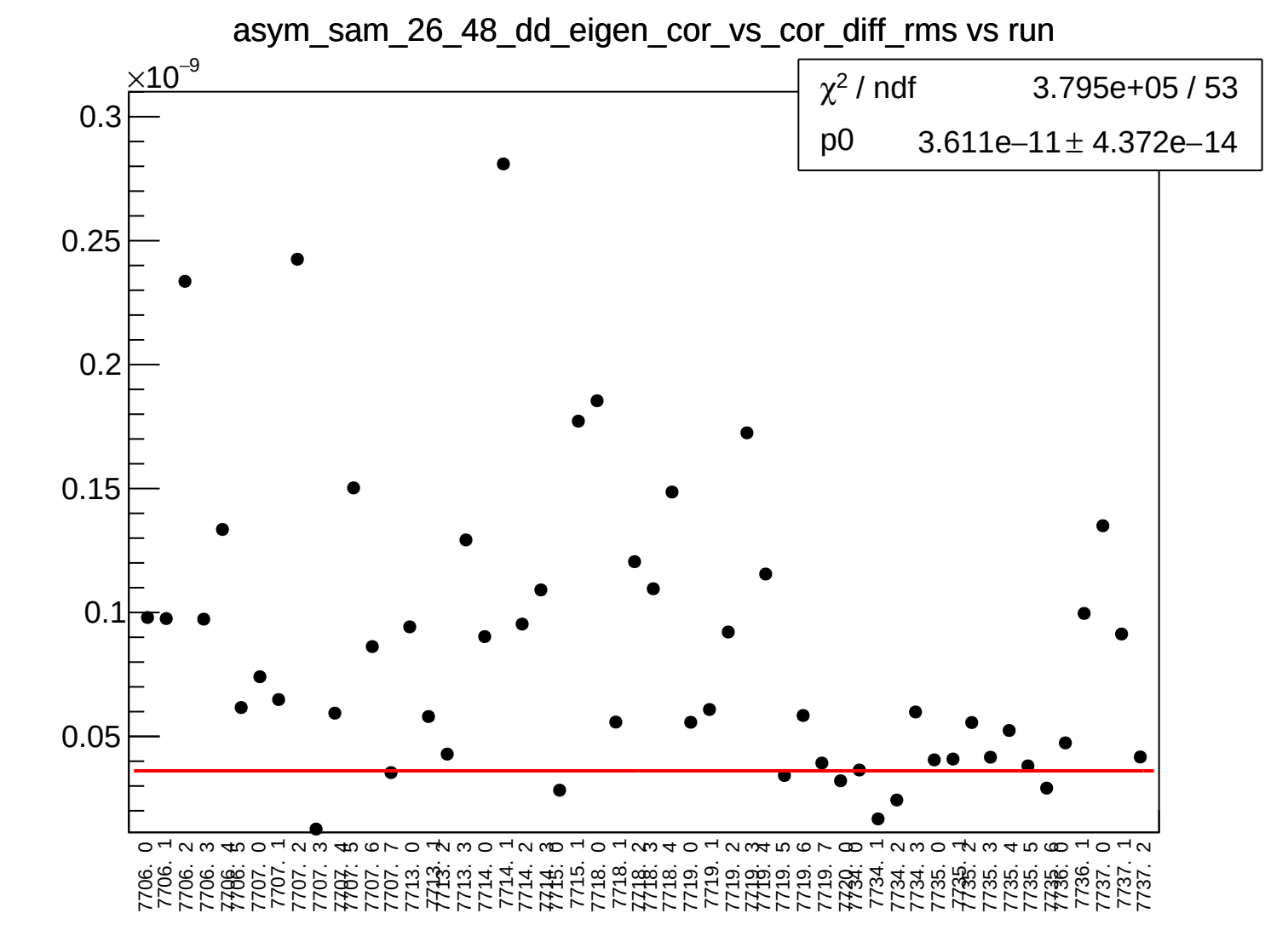

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.343e+04 / 53
p0 62.91 ± 0.06203
110
100
90
80
70
60
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

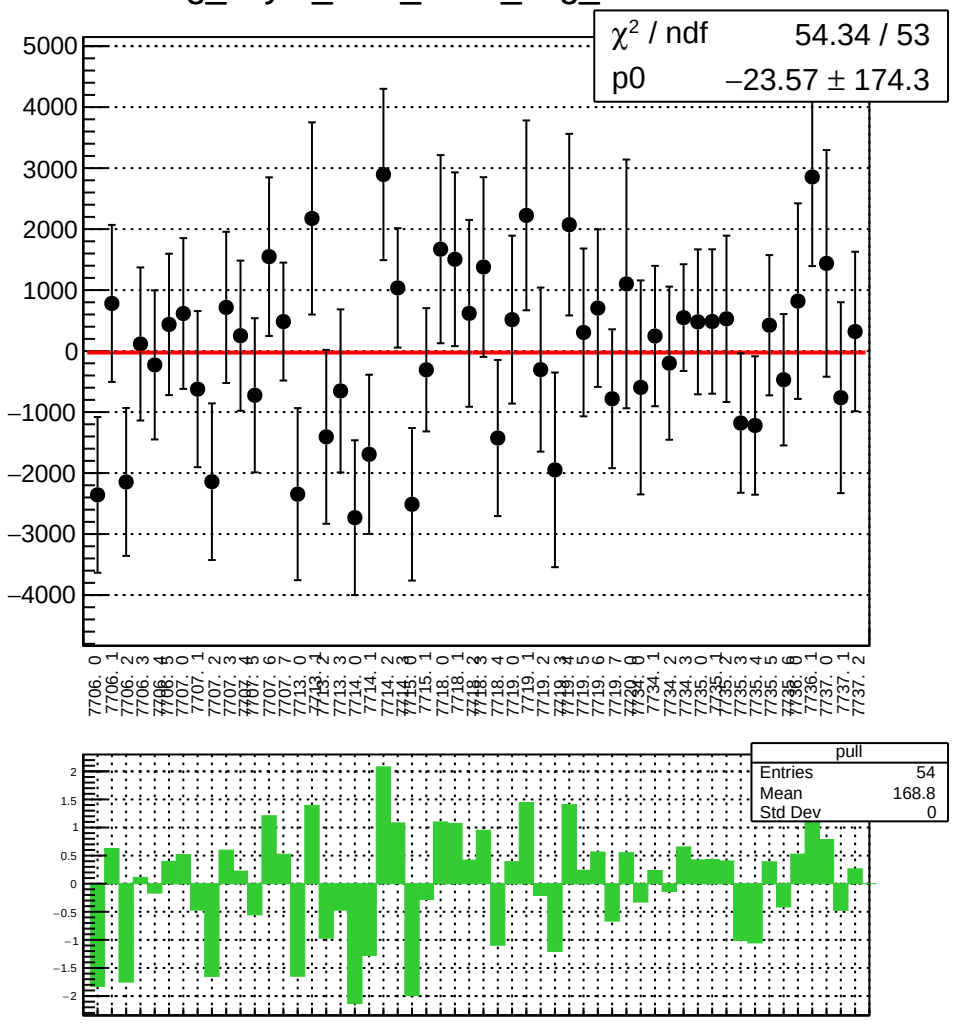

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 53
p0 0.05798 ± 0.08773
pull
Entries 54
Mean 73.09
Std Dev 0
pull1D
Entries 54
Mean −0.04155
Std Dev 1.026

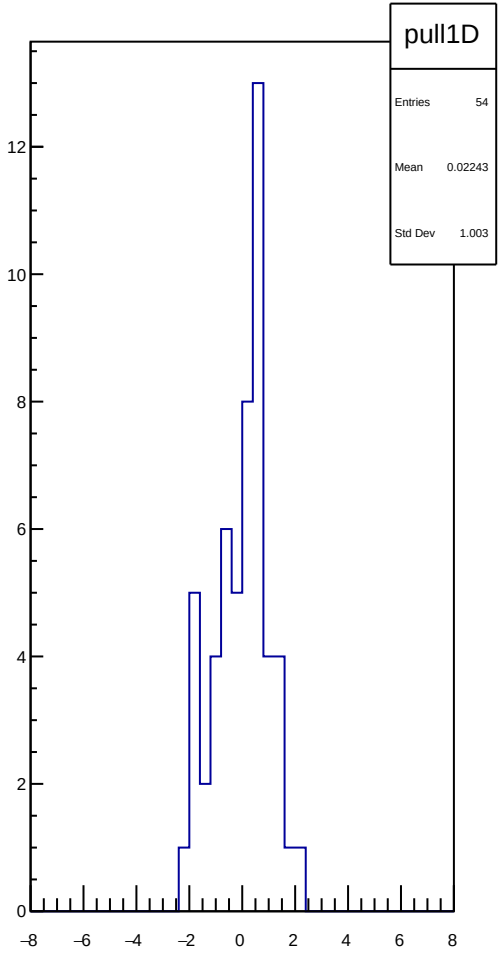

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.343e+04 / 53
p0 62.91 ± 0.06203
110
100
90
80
70
60
50

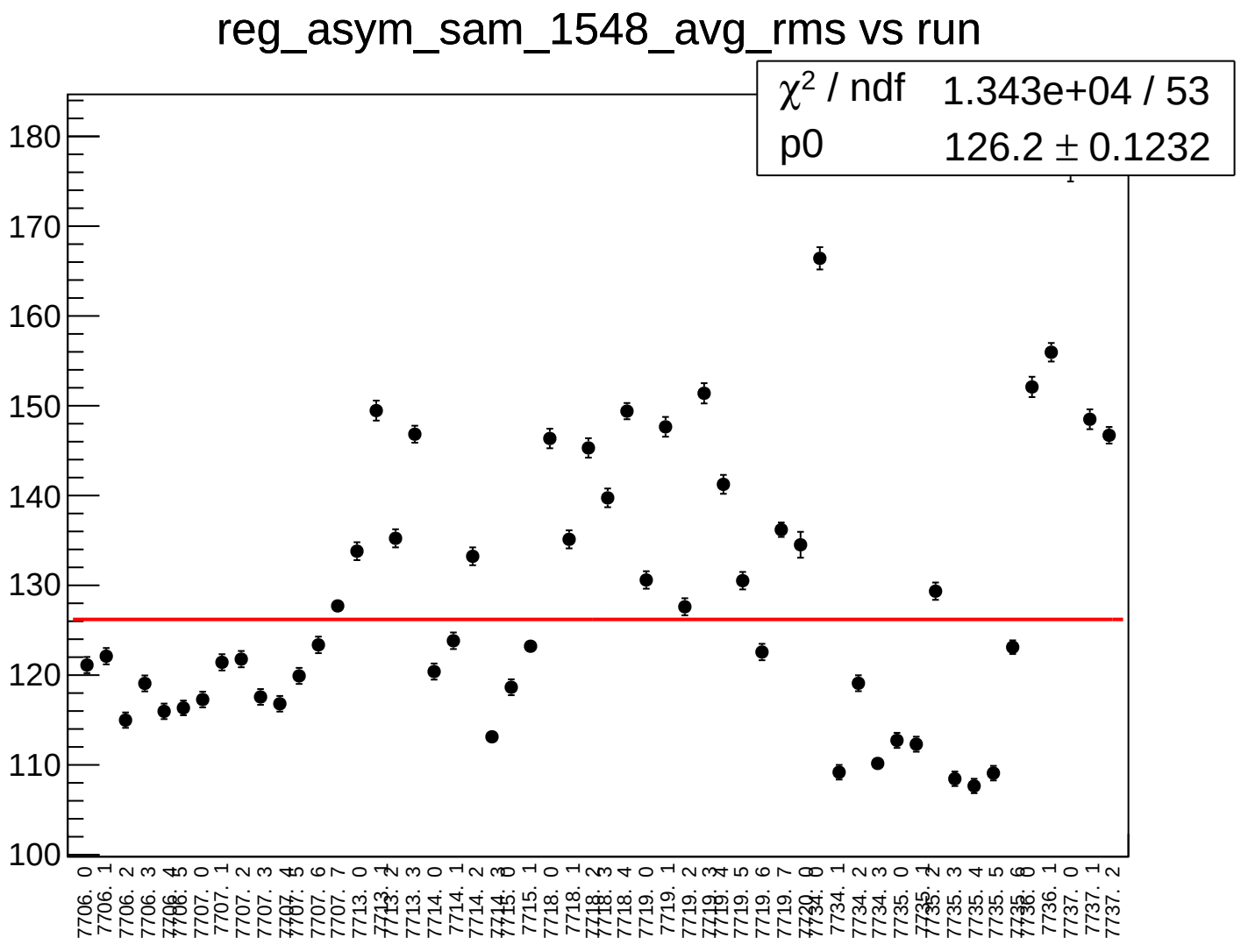

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.96 / 53
p0 −6.867e−14 ± 6.182e−14
pull
Entries 54
Mean 30.63
Std Dev 18.99

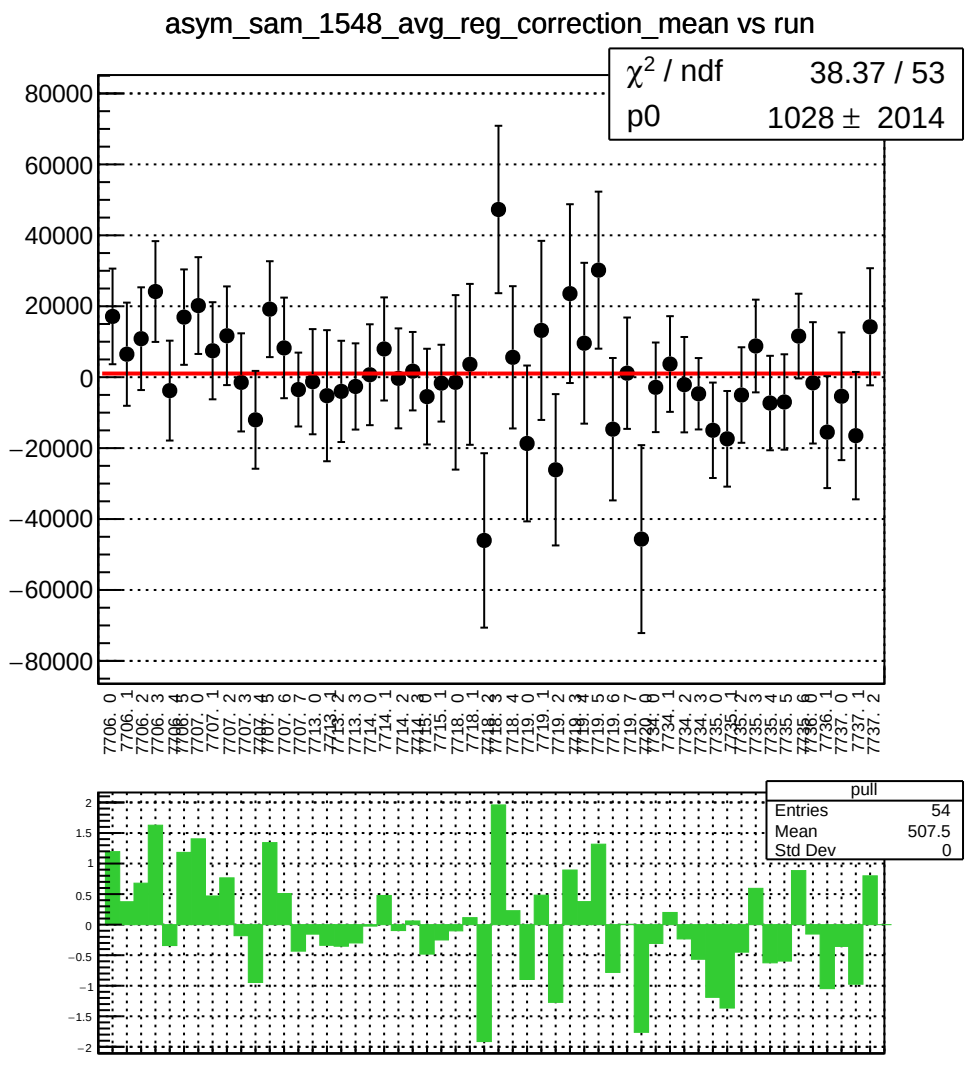

pull1D
Entries 54
Mean −0.1185
Std Dev 1.09

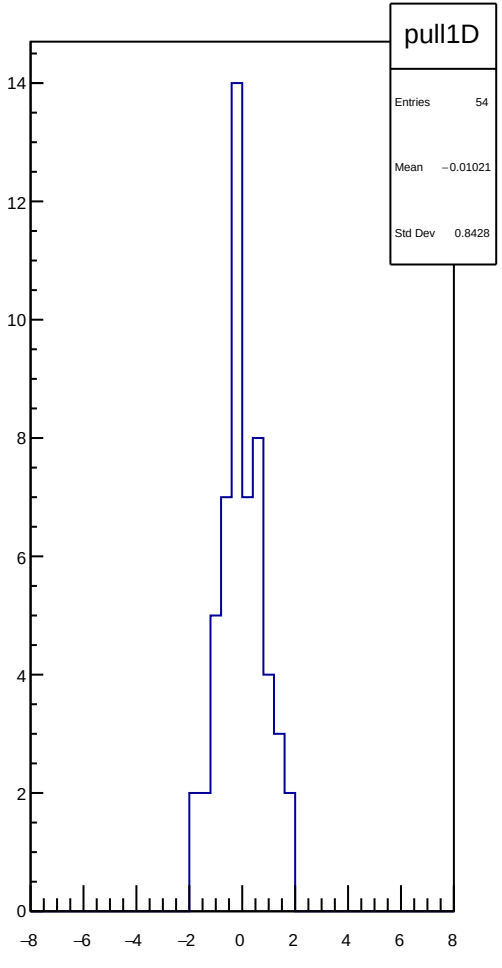

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.795e+05 / 53
p0 3.611e−11 ± 4.372e−14
0.3
0.25
0.2
0.15
0.1
0.05

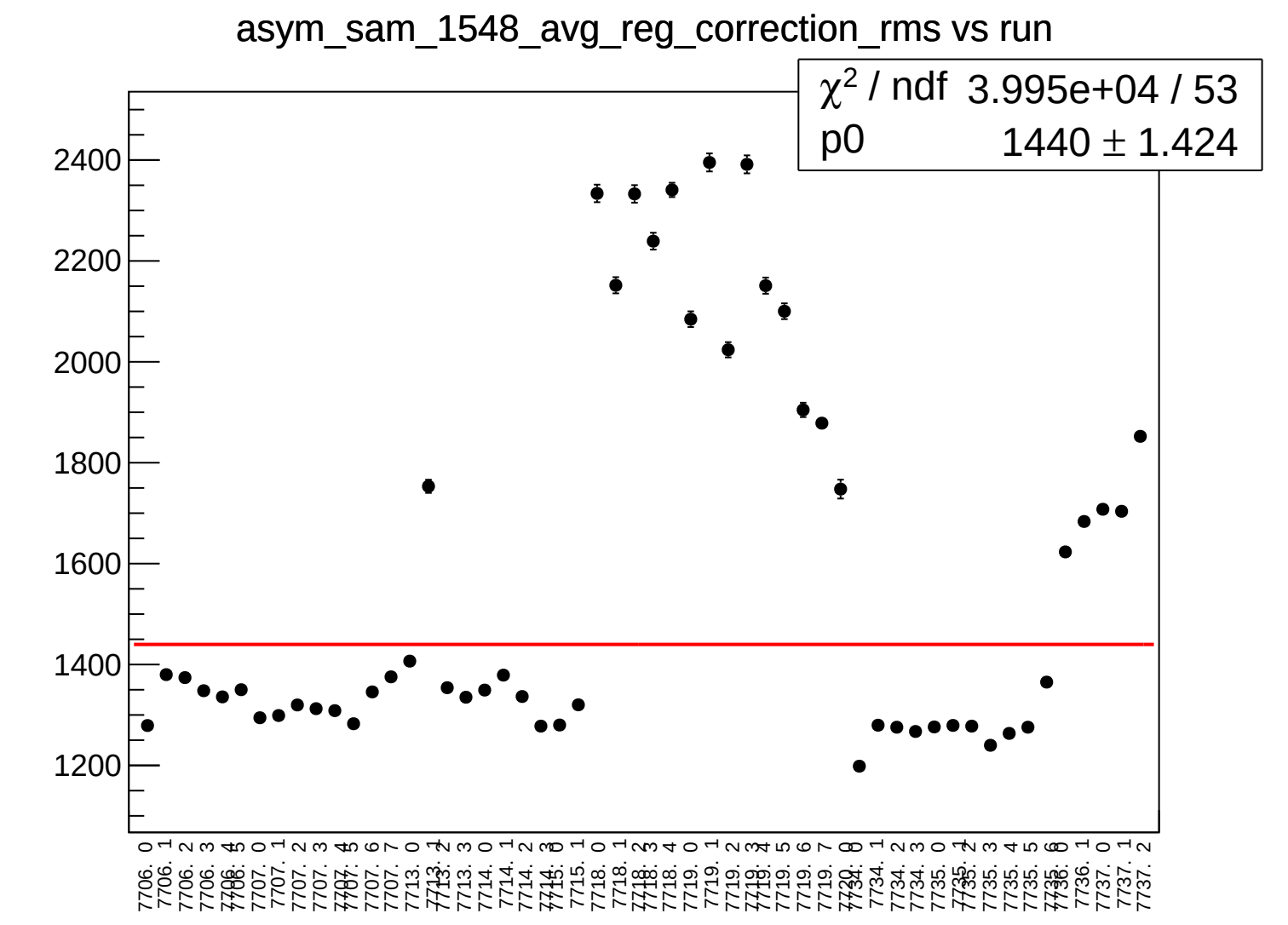

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 54.34 / 53
p0 −23.57 ± 174.3
pull
Entries 54
Mean 168.8
Std Dev 0

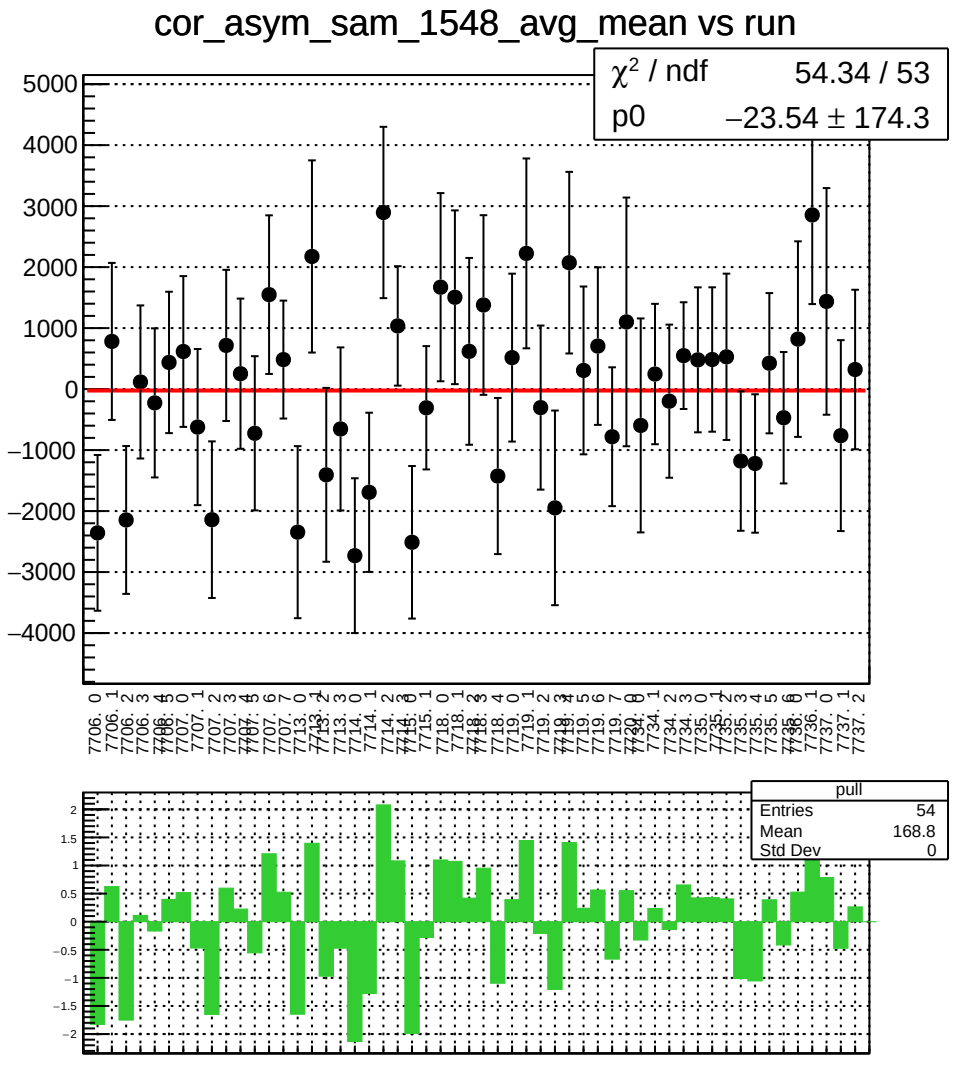

pull1D
Entries 54
Mean 0.02243
Std Dev 1.003

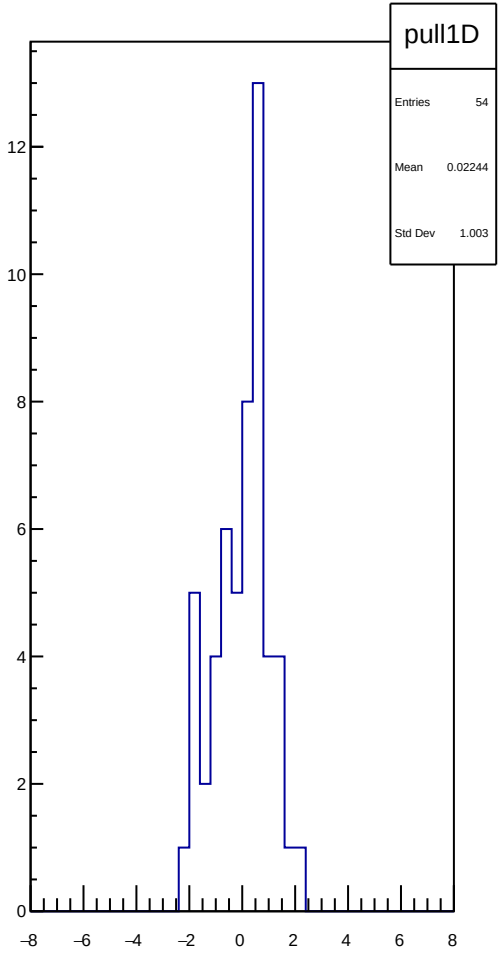

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.343e+04 / 53
p0 126.2 ± 0.1232
180
170
160
150
140
130
120
110
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

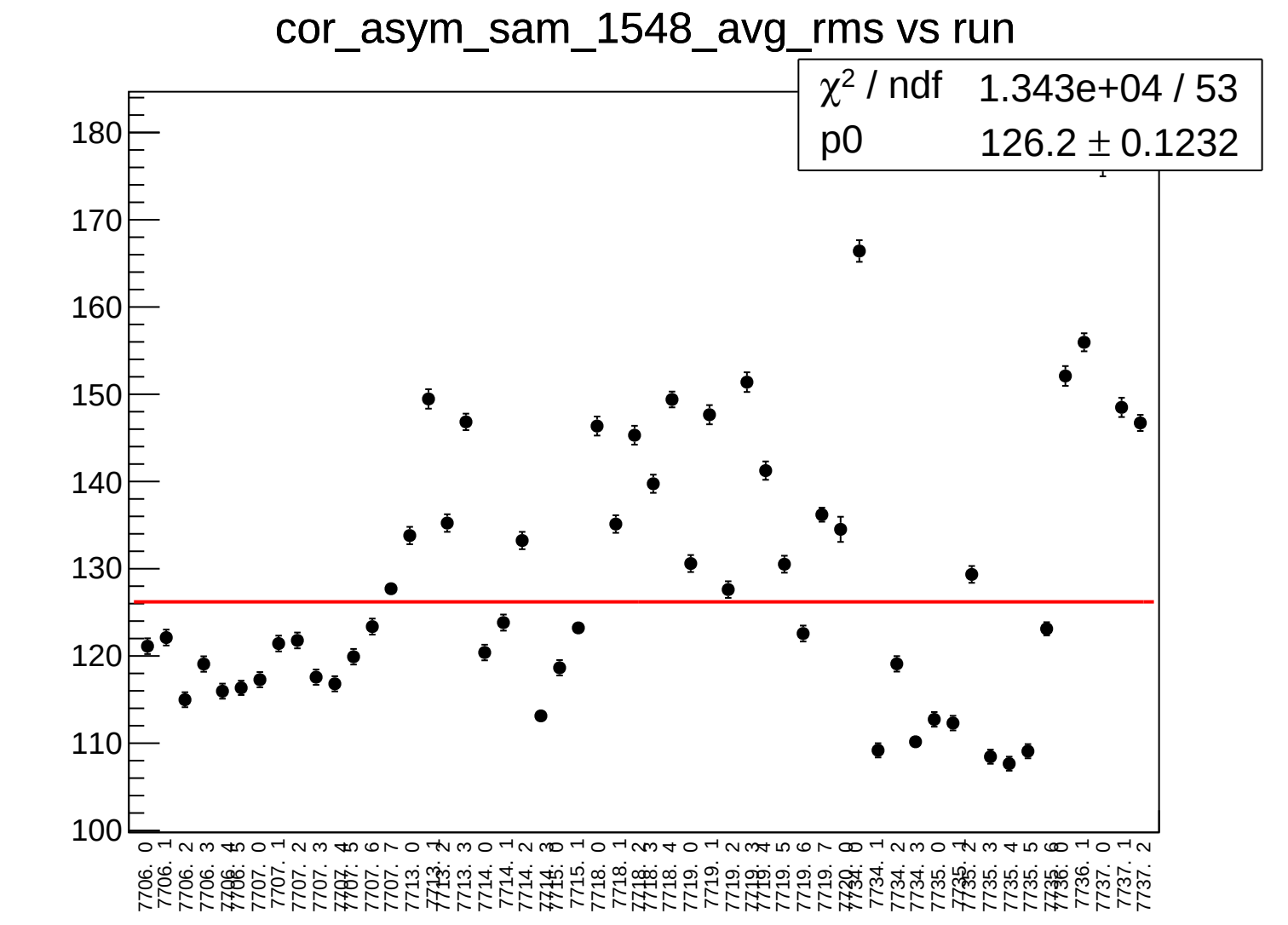

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 38.37 / 53
p0 1028 ± 2014
pull
Entries 54
Mean 507.5
Std Dev 0

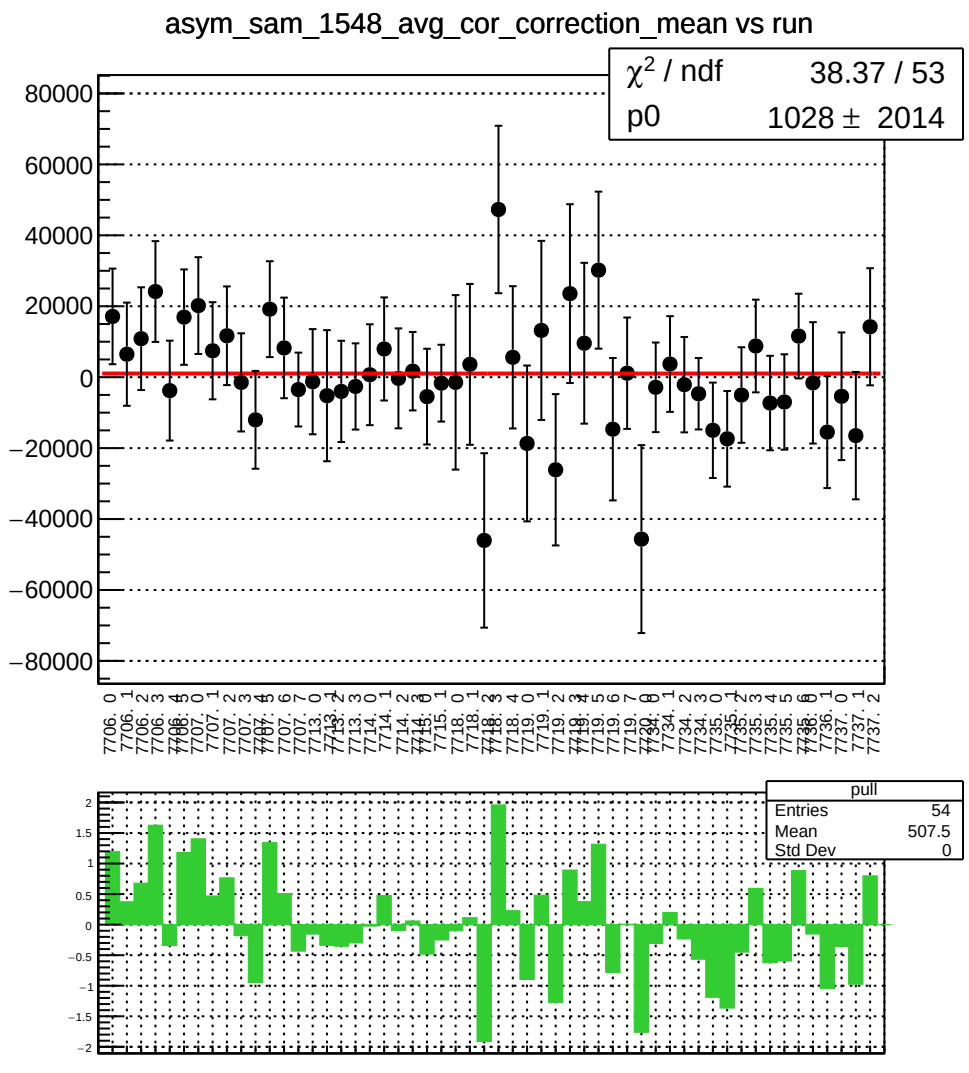

pull1D
Entries 54
Mean −0.01021
Std Dev 0.8428

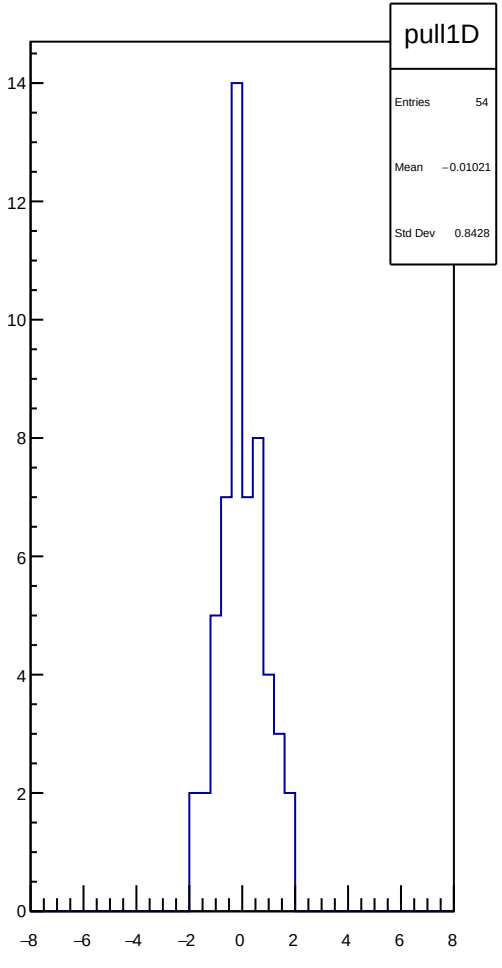

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 3.995e+04 / 53
p0 1440 ± 1.424
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

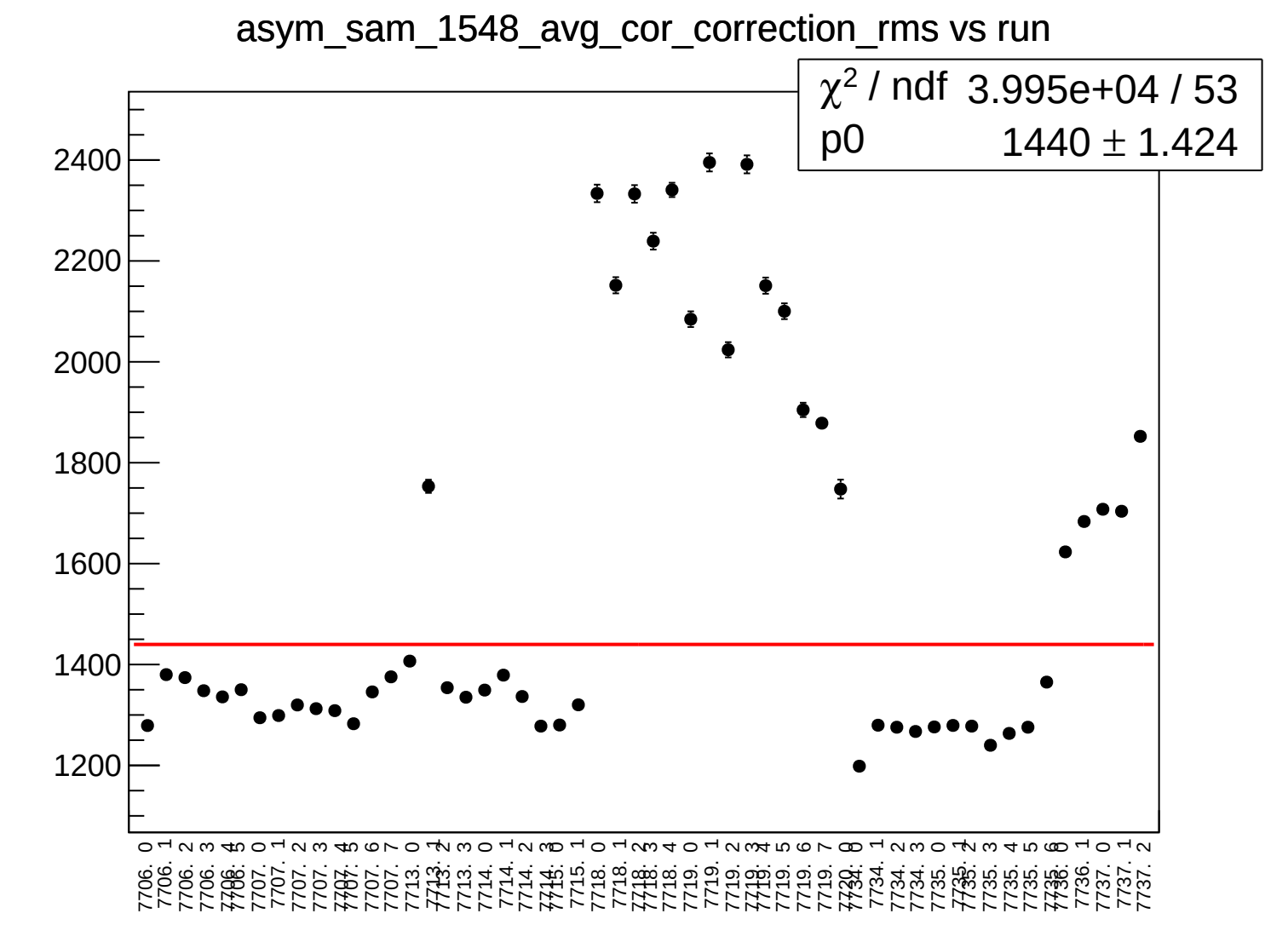

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 54.34 / 53
p0 −23.54 ± 174.3
pull
Entries 54
Mean 168.8
Std Dev 0

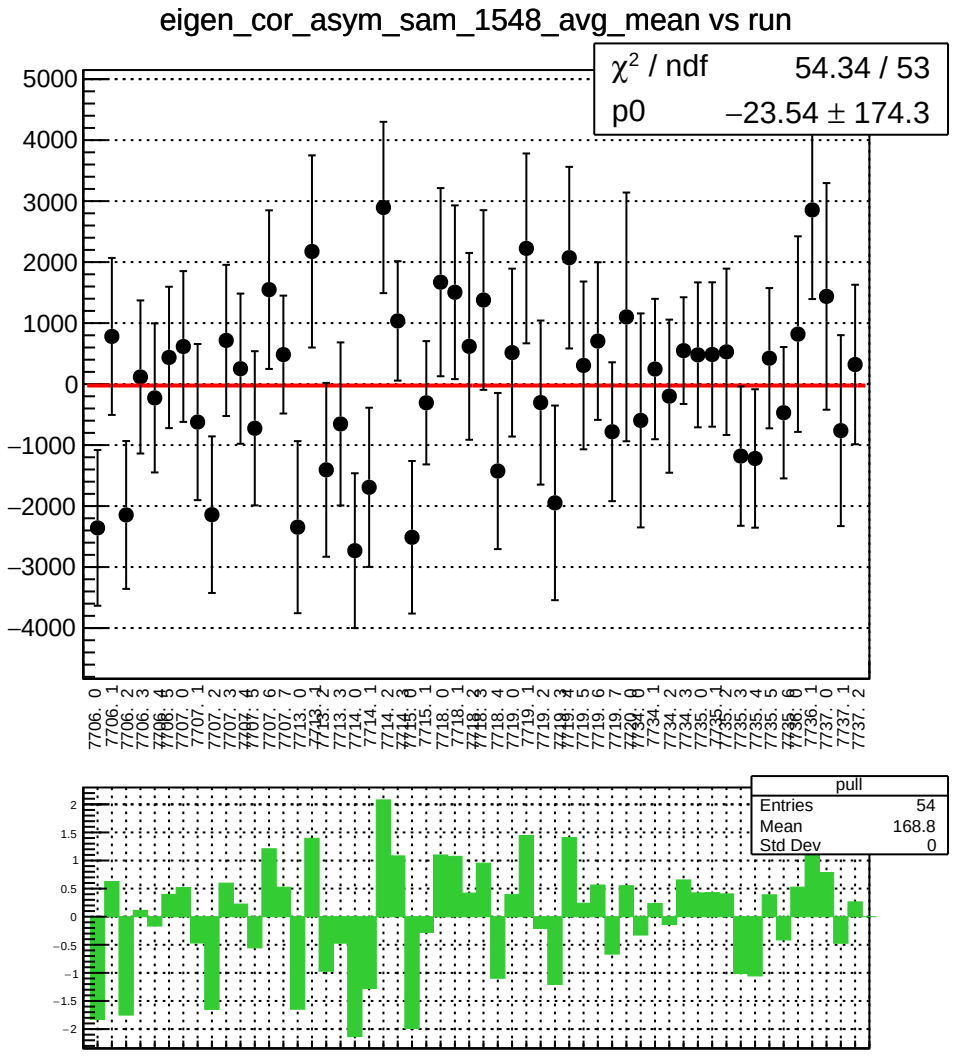

pull1D
Entries 54
Mean 0.02244
Std Dev 1.003

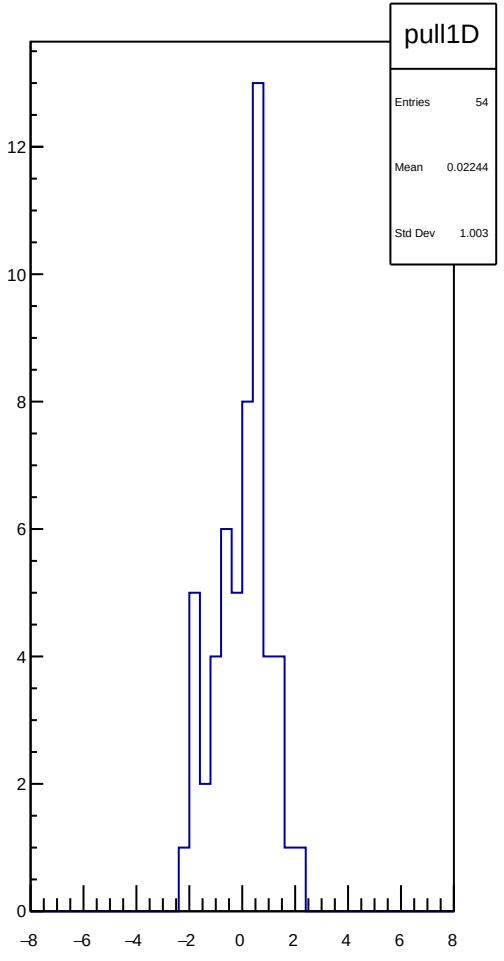

cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.343e+04 / 53
p0 126.2 ± 0.1232
180
170
160
150
140
130
120
110
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

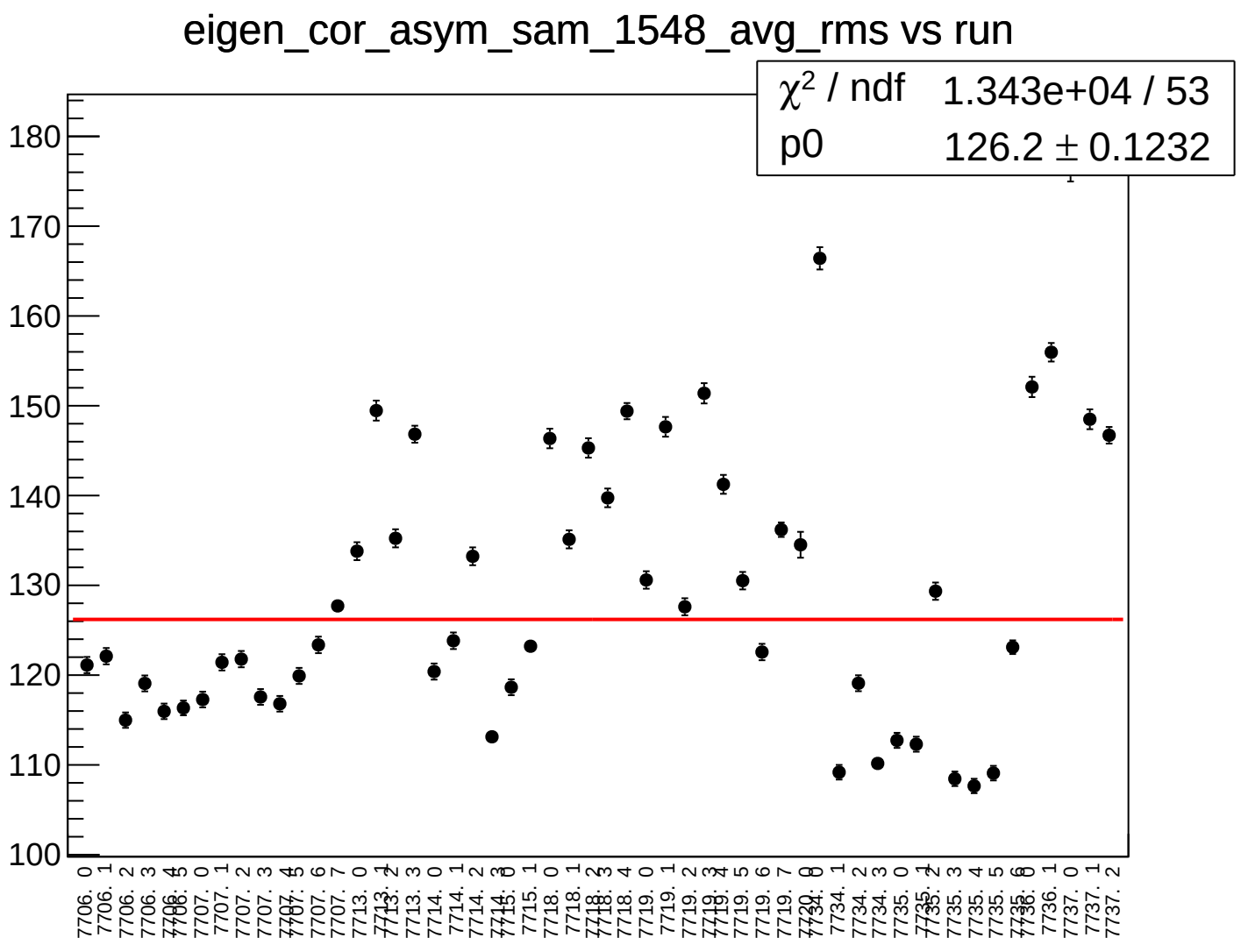

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 38.37 / 53
p0 1028 ± 2014
pull
Entries 54
Mean 507.5
Std Dev 0

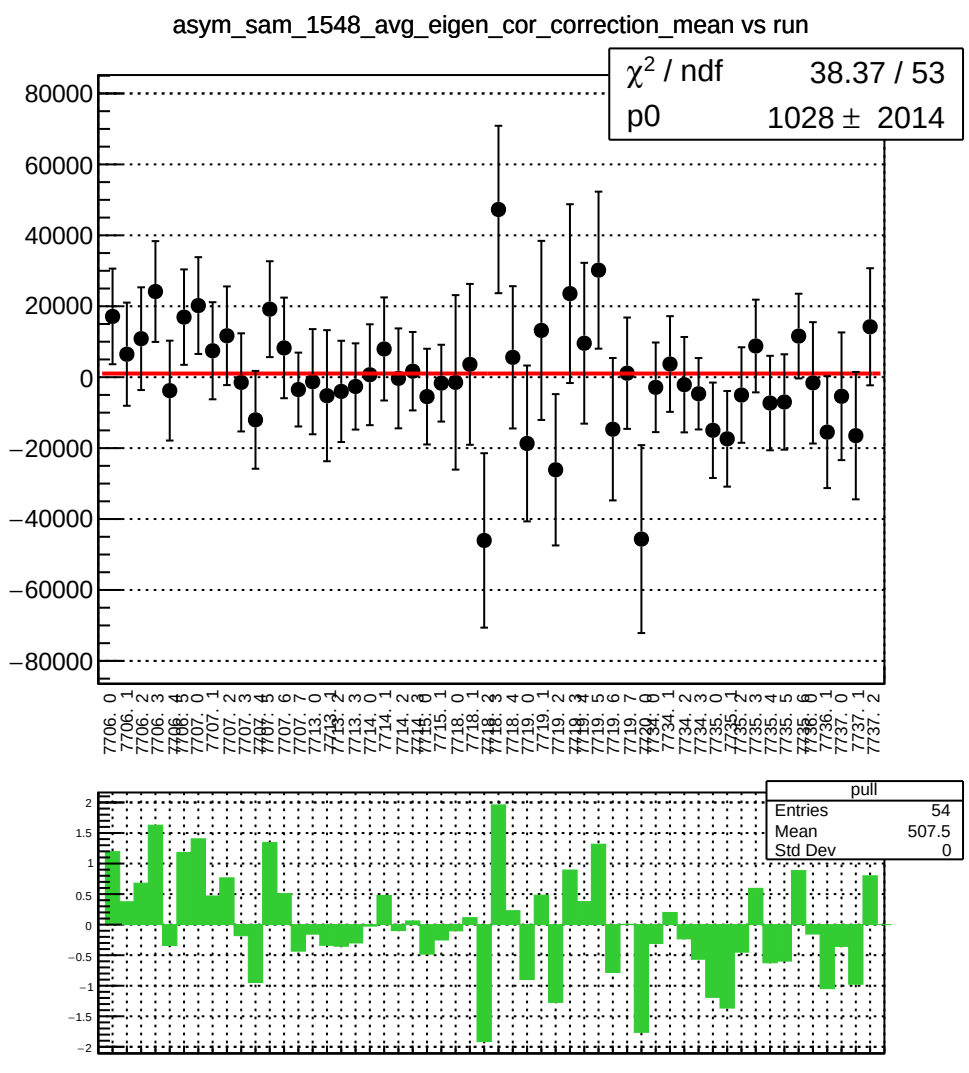

pull1D
Entries 54
Mean −0.01021
Std Dev 0.8428

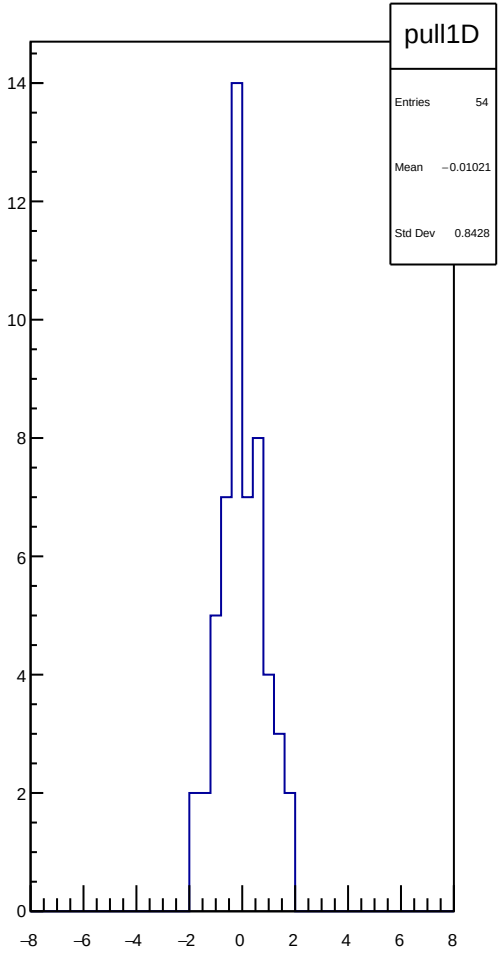

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 3.995e+04 / 53
p0 1440 ± 1.424
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

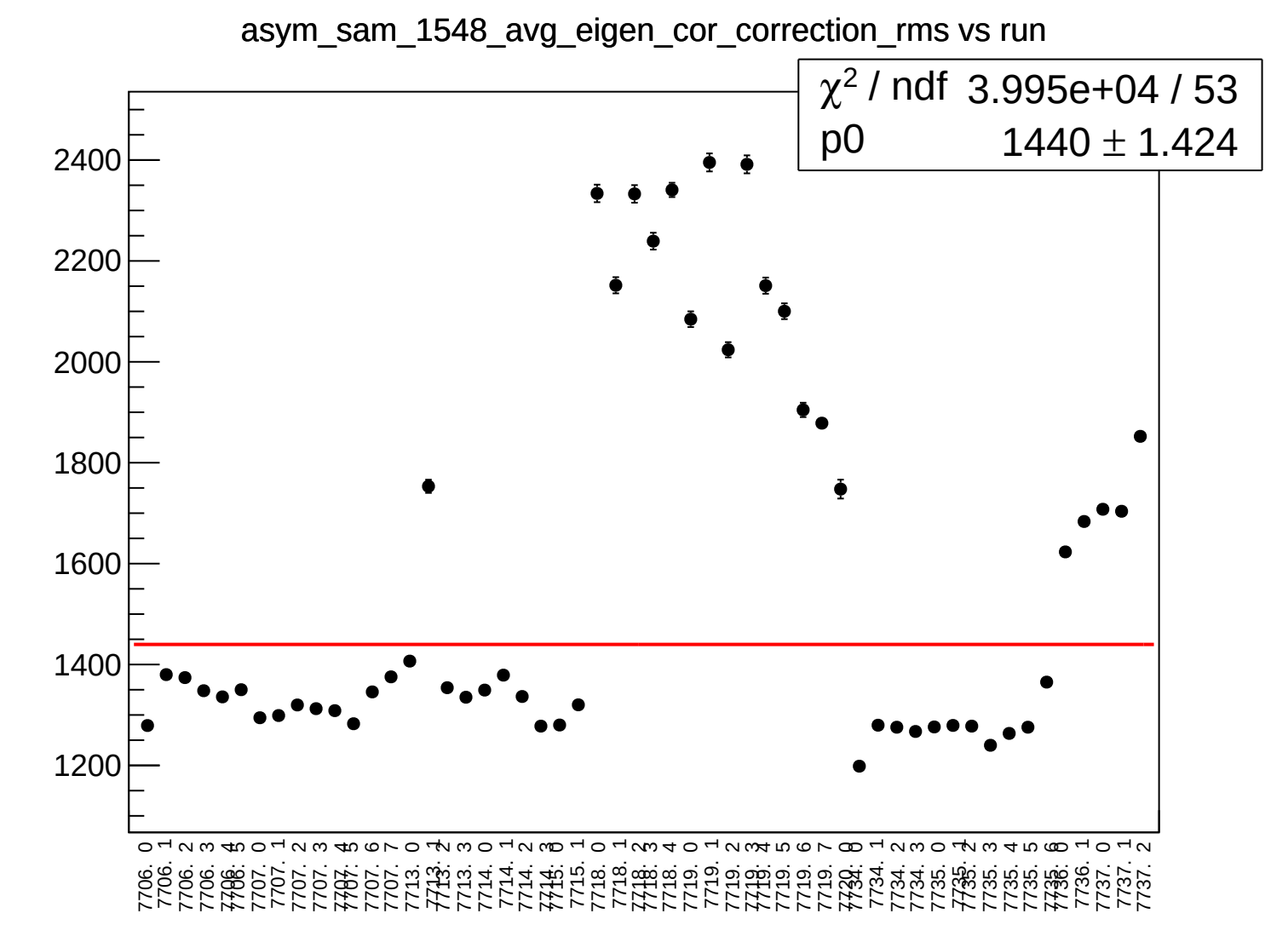

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 54.34 / 53
p0 −23.54 ± 174.3
pull
Entries 54
Mean 168.8
Std Dev 0

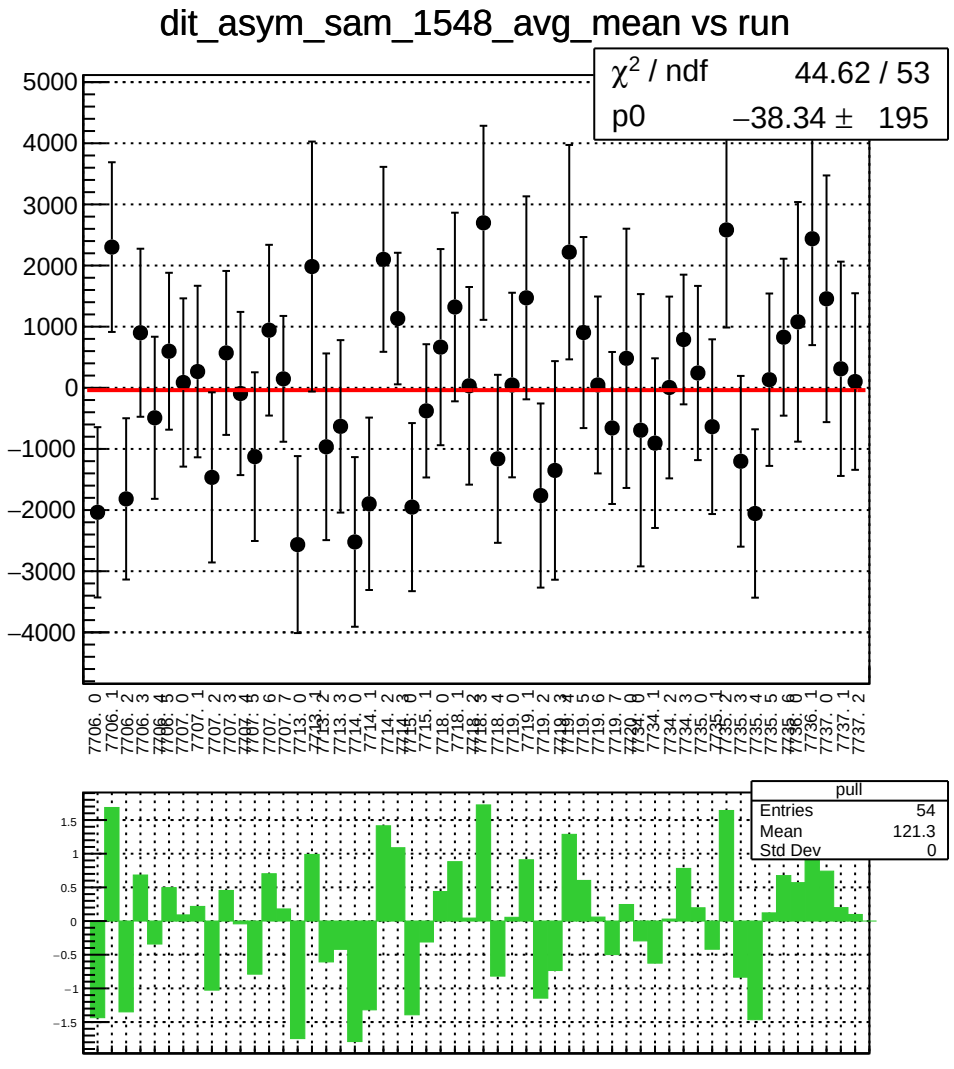

pull1D
Entries 54
Mean 0.02244
Std Dev 1.003

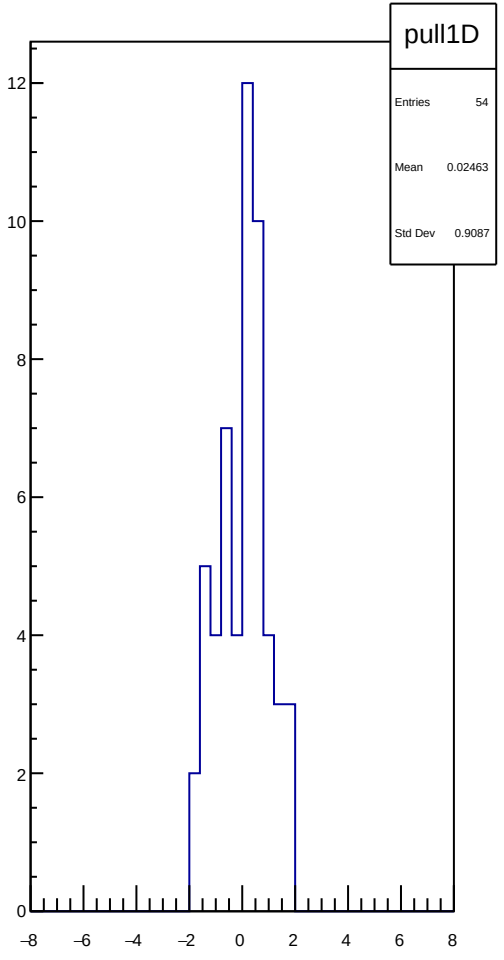

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.343e+04 / 53
p0 126.2 ± 0.1232
180
170
160
150
140
130
120
110
100

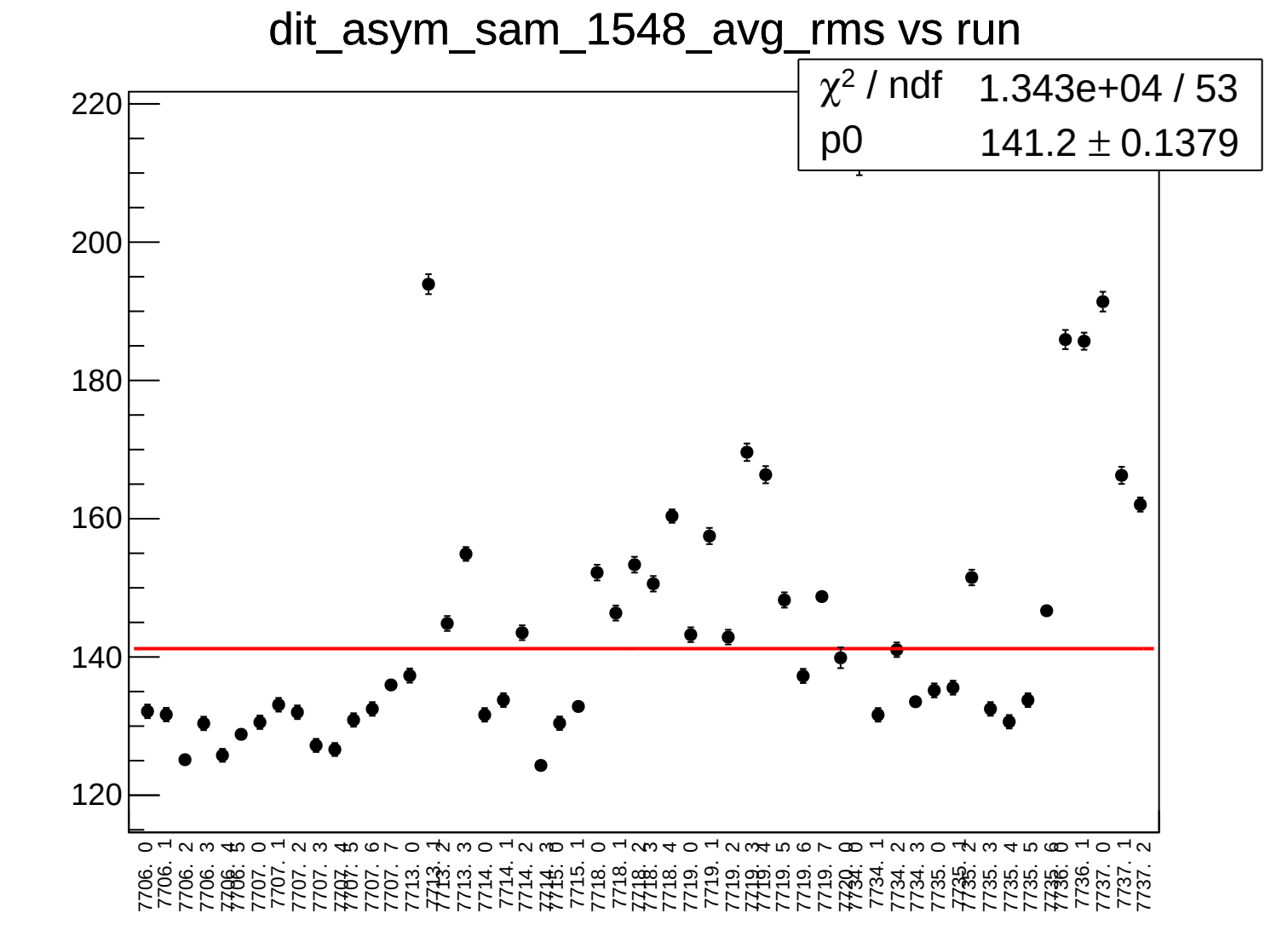

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 38.37 / 53
p0 1028 ± 2014
pull
Entries 54
Mean 507.5
Std Dev 0

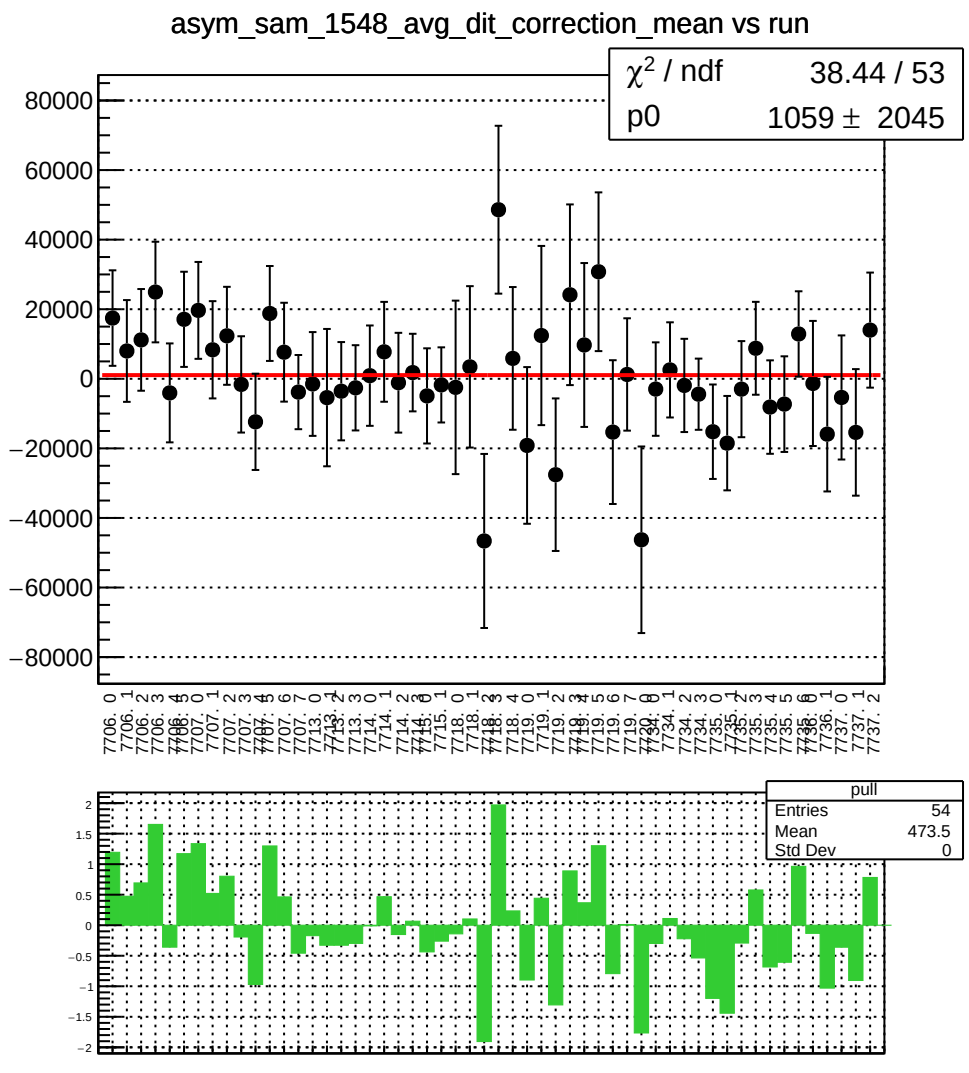

pull1D
Entries 54
Mean −0.01021
Std Dev 0.8428

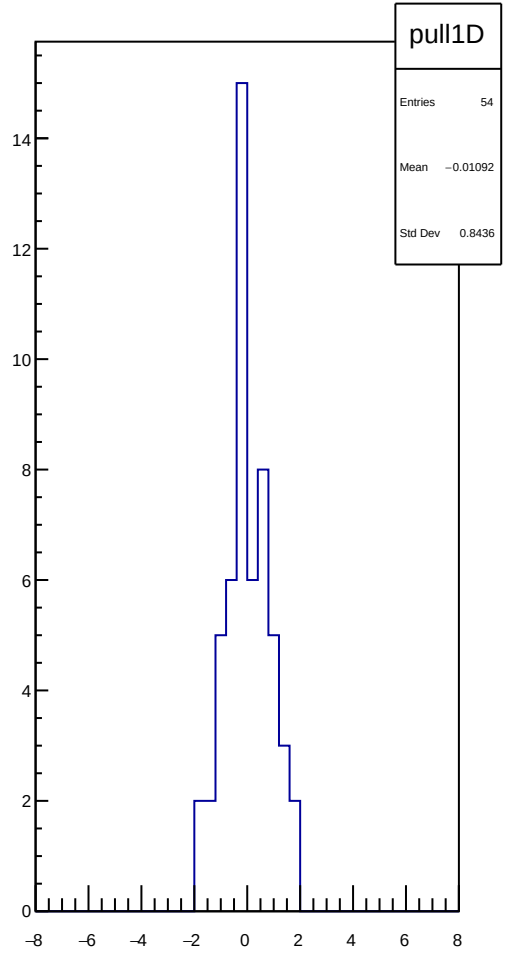

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.995e+04 / 53
p0 1440 ± 1.424
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

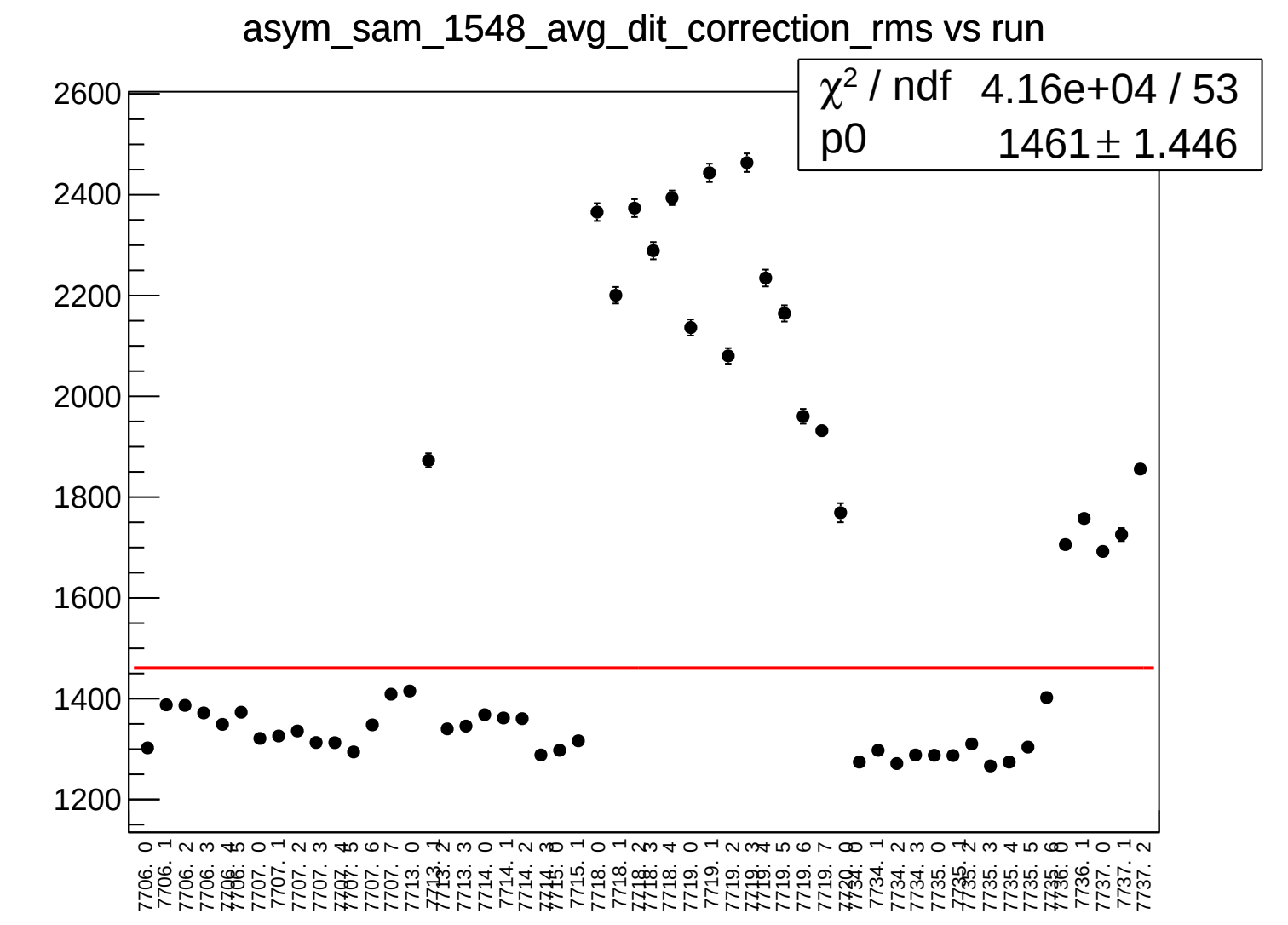

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 44.62 / 53
p0 −38.34 ± 195
pull
Entries 54
Mean 121.3
Std Dev 0

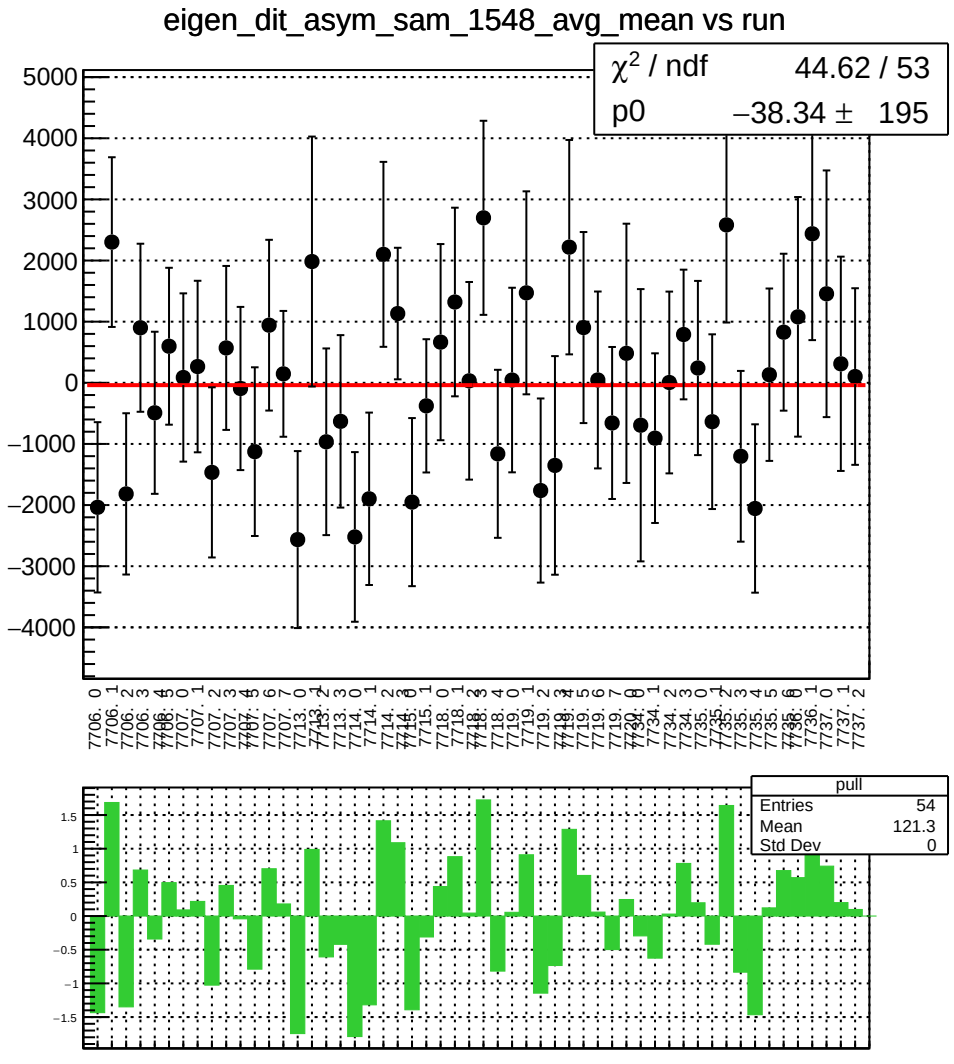

pull1D
Entries 54
Mean 0.02463
Std Dev 0.9087

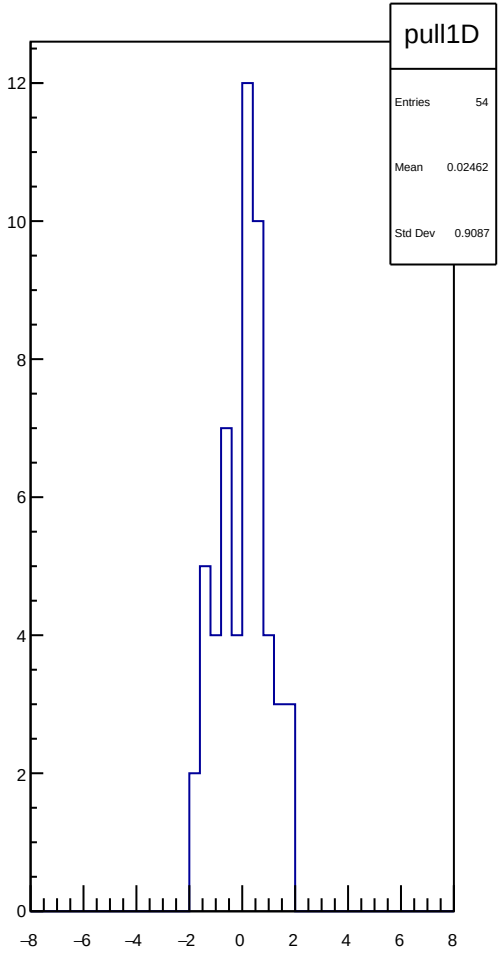

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.343e+04 / 53
p0 141.2 ± 0.1379
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

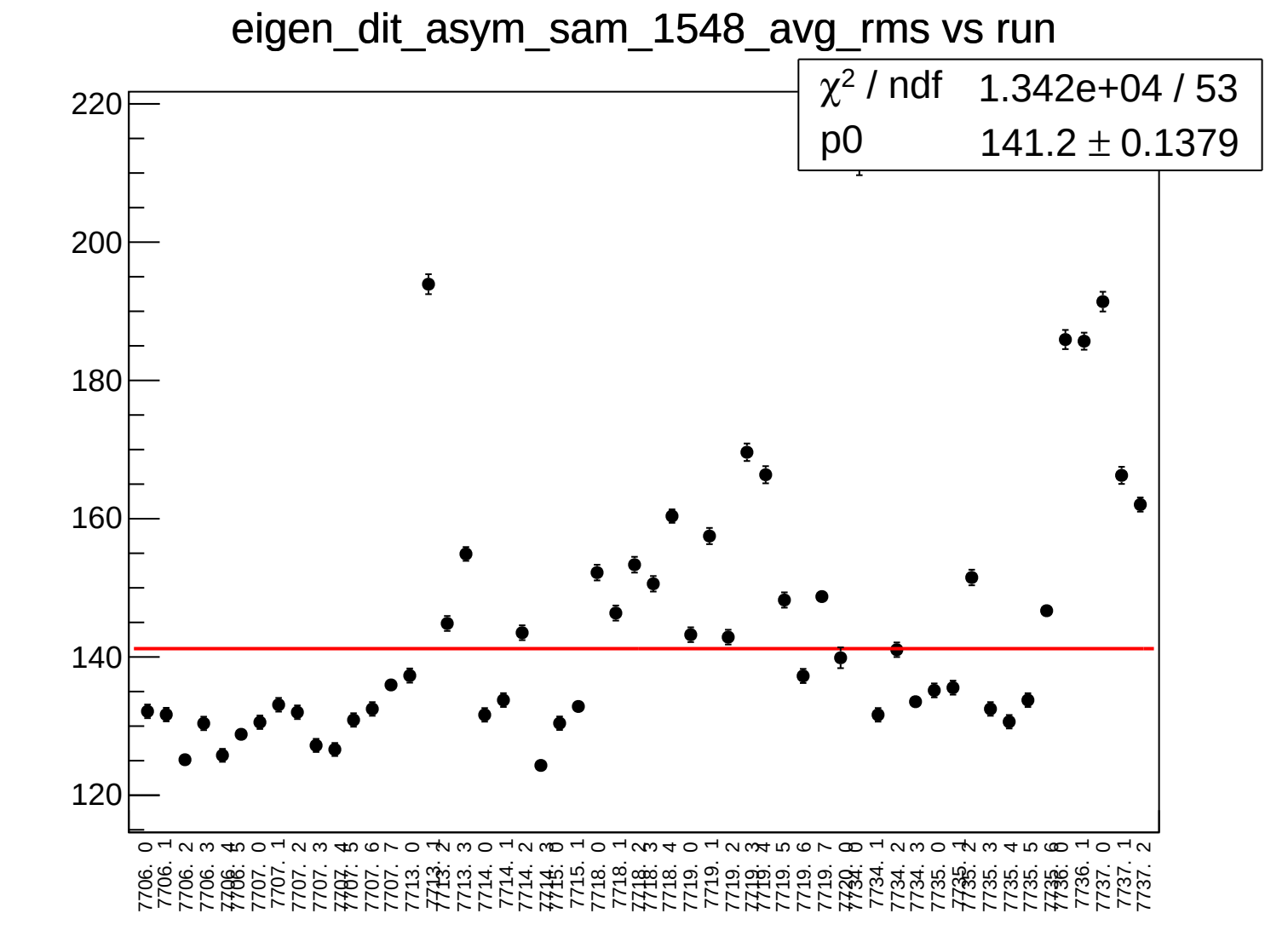

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 38.44 / 53
p0 1059 ± 2045
pull
Entries 54
Mean 473.5
Std Dev 0

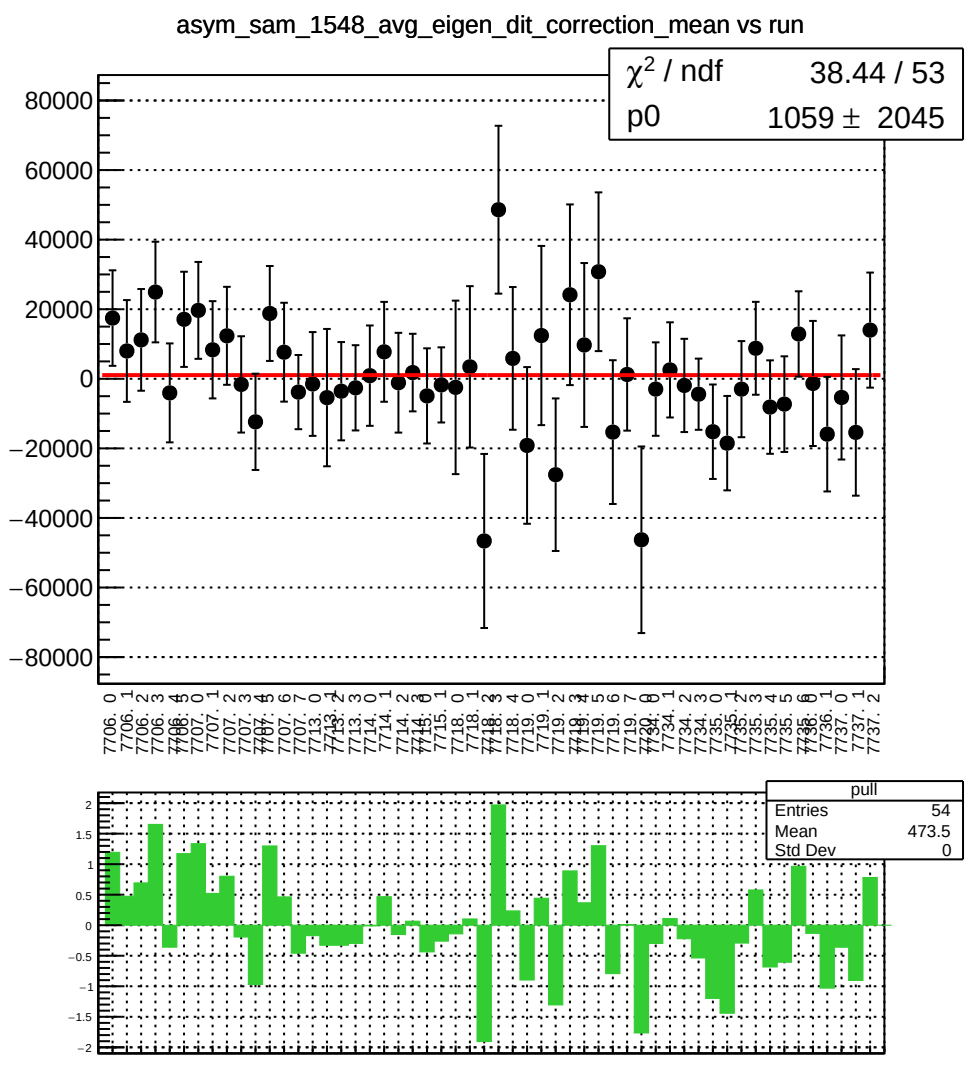

pull1D
Entries 54
Mean −0.01092
Std Dev 0.8436

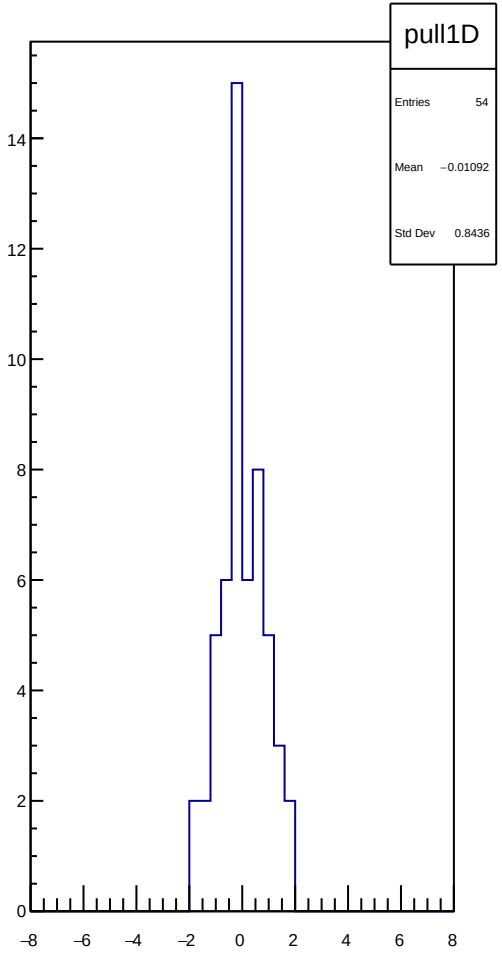

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 4.16e+04 / 53
p0 1461 ± 1.446
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

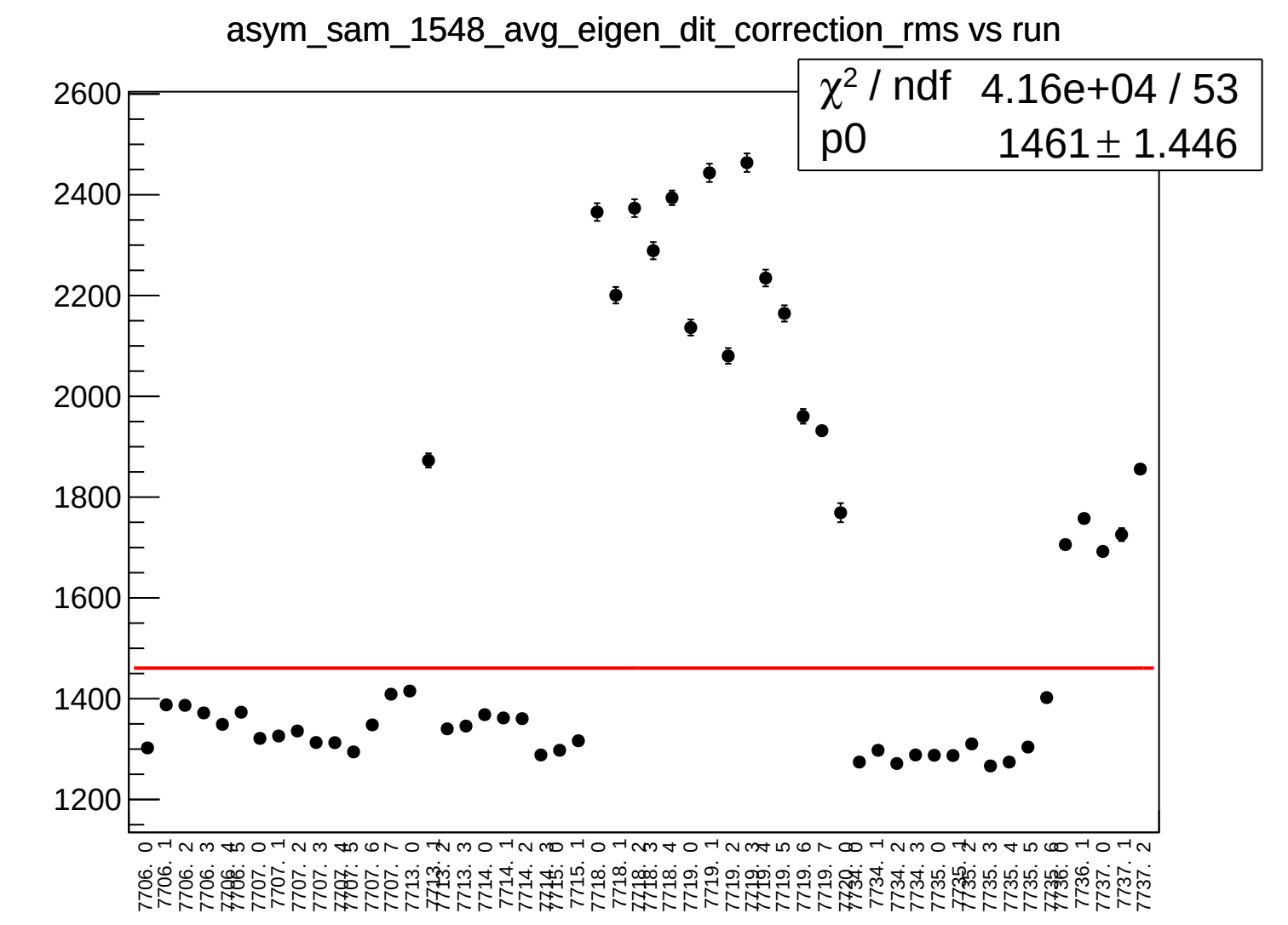

eigen_dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 44.62 / 53
p0 −38.34 ± 195
pull
Entries 54
Mean 121.3
Std Dev 0

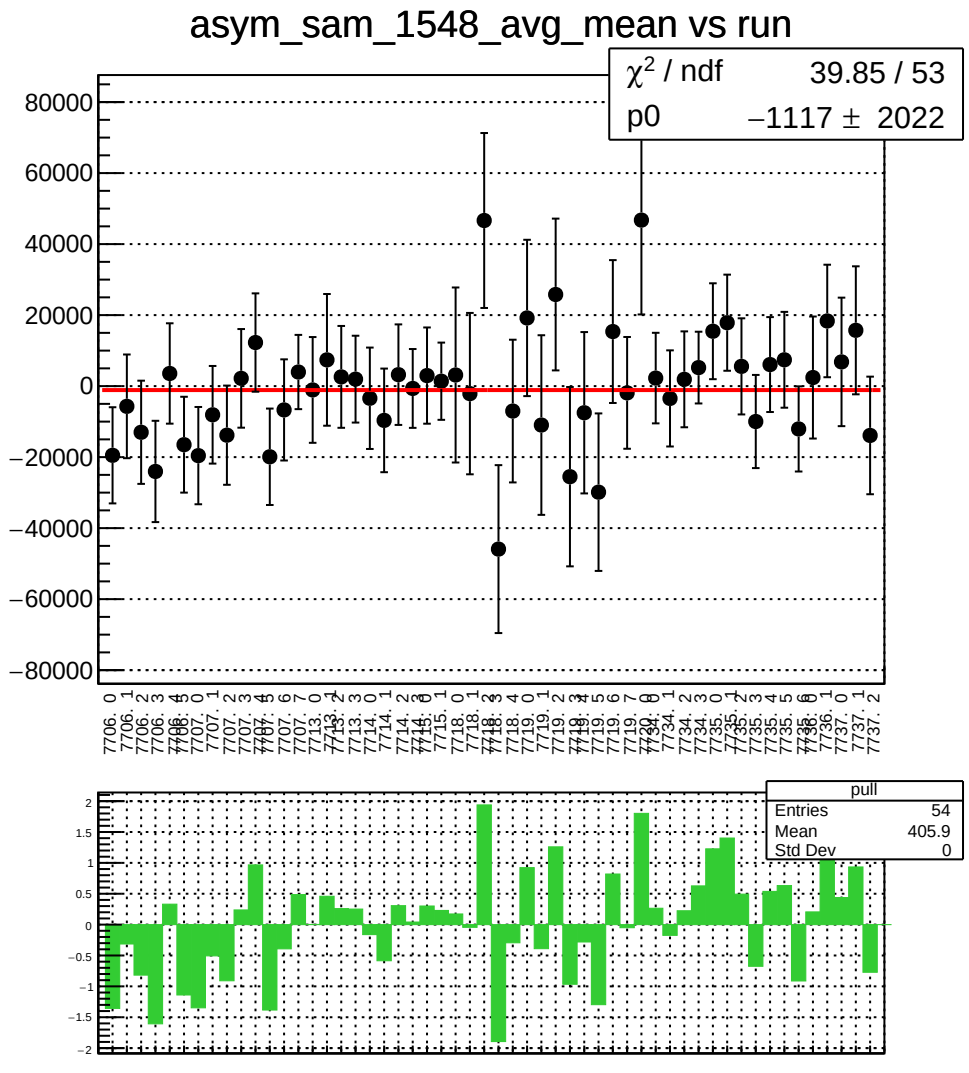

pull1D
Entries 54
Mean 0.02462
Std Dev 0.9087

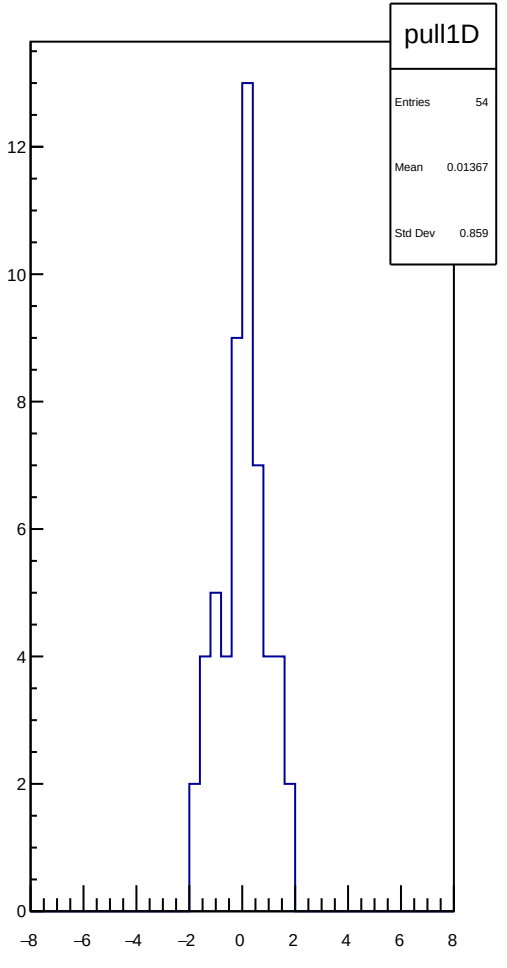

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.342e+04 / 53
p0 141.2 ± 0.1379
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

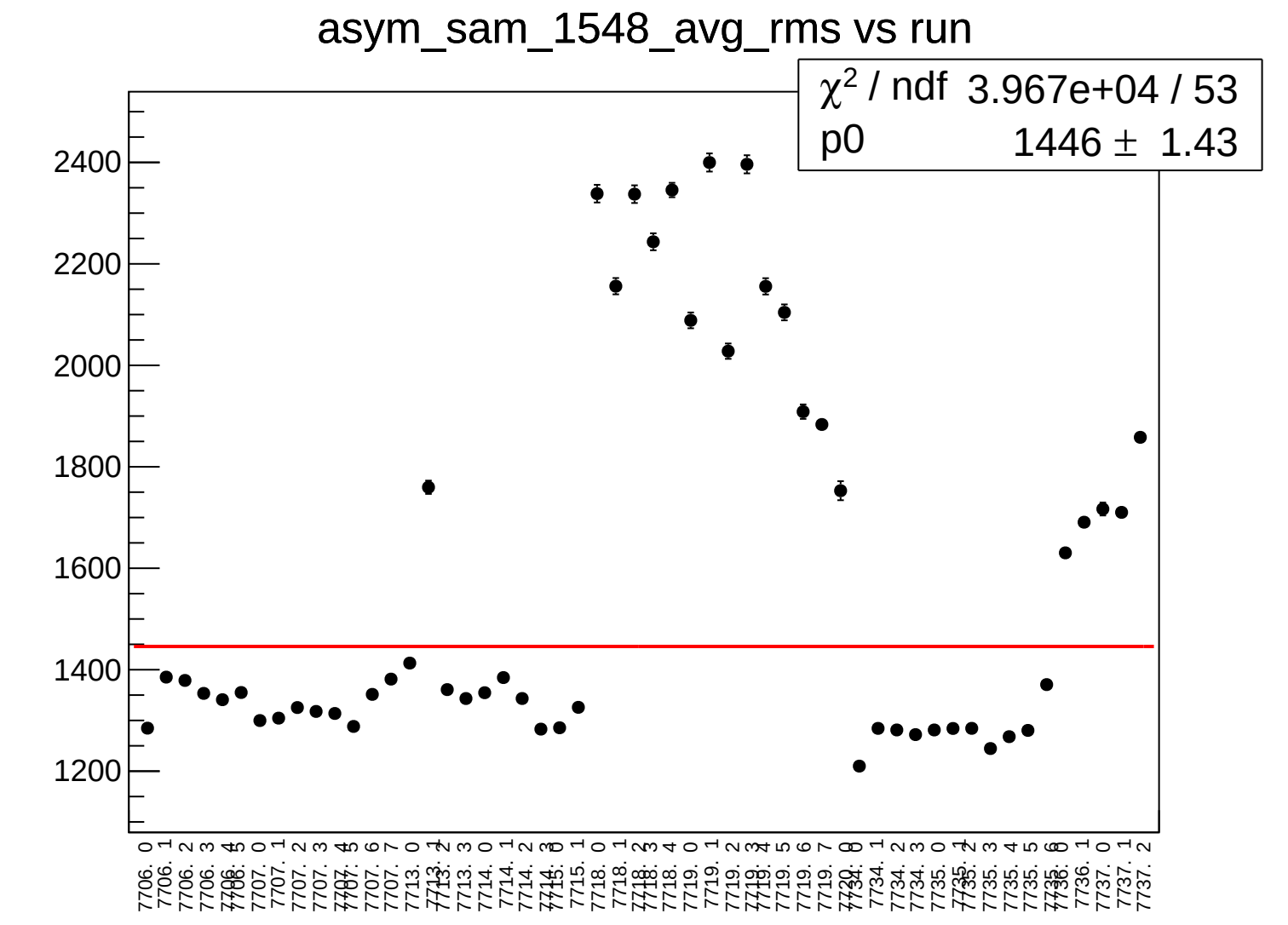

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 38.44 / 53
p0 1059 ± 2045
pull
Entries 54
Mean 473.5
Std Dev 0

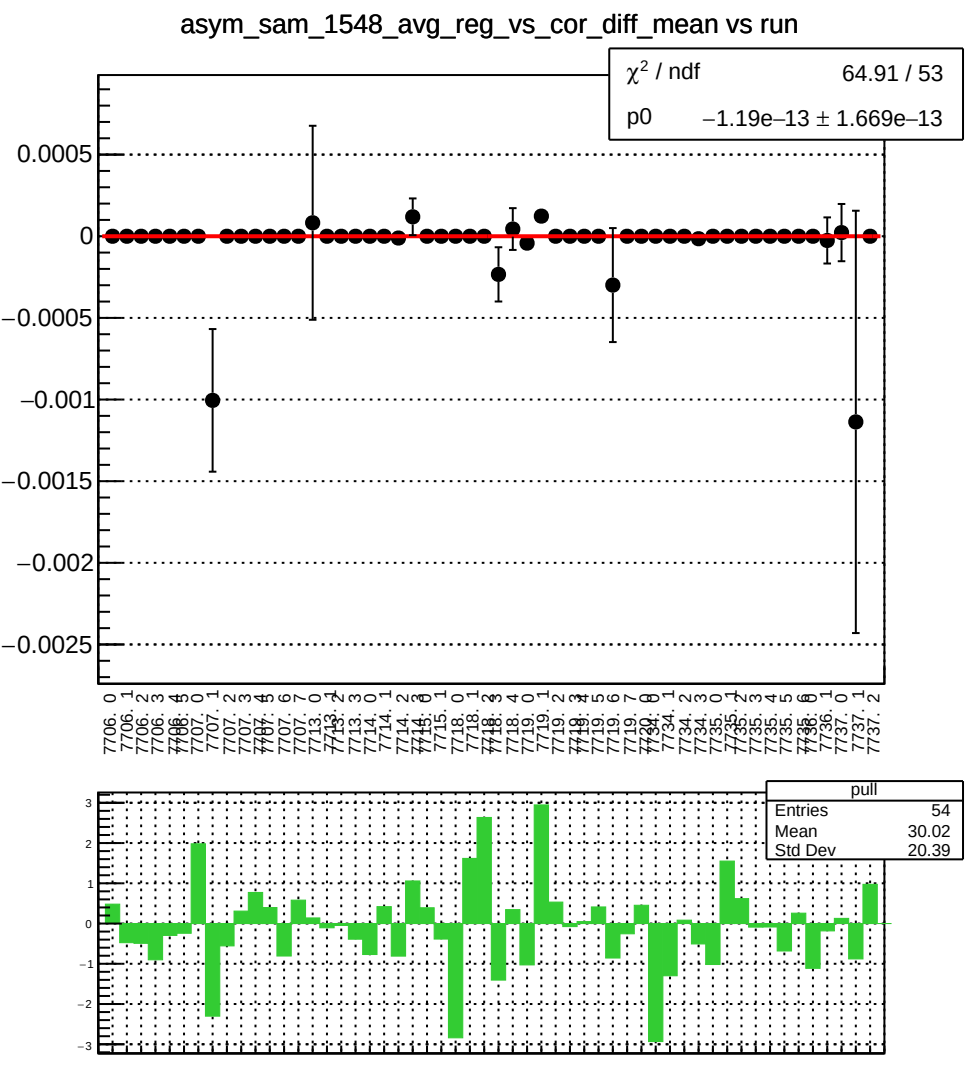

pull1D
Entries 54
Mean −0.01092
Std Dev 0.8436

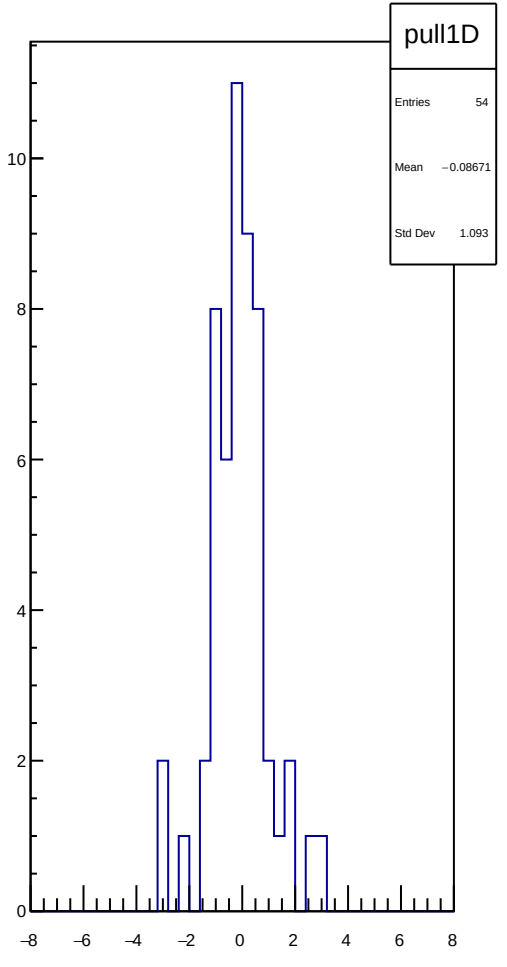

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.16e+04 / 53
p0 1461 ± 1.446
2600
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

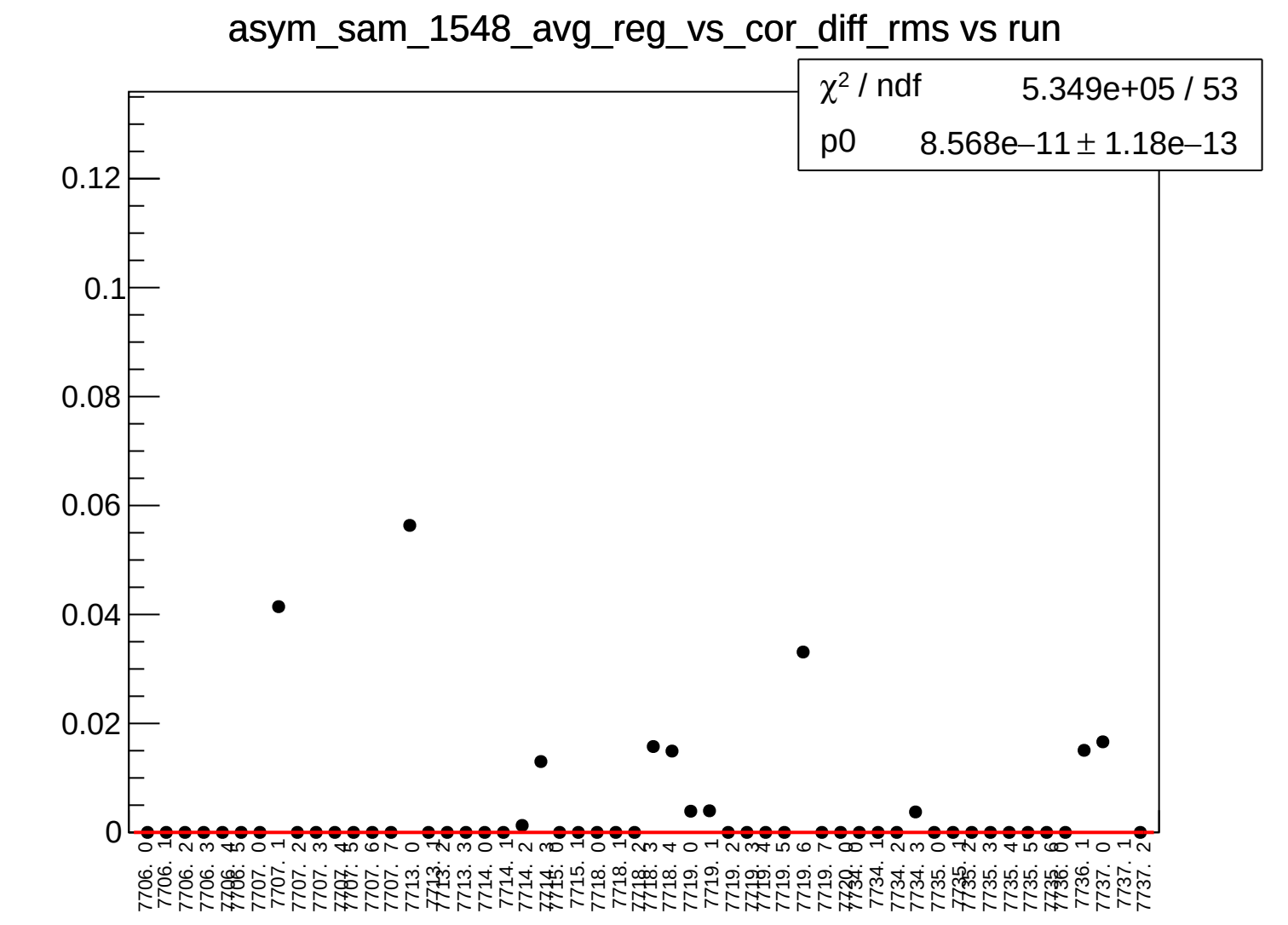

asym_sam_1548_avg_mean vs run
χ² / ndf 39.85 / 53
p0 −1117 ± 2022
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 405.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

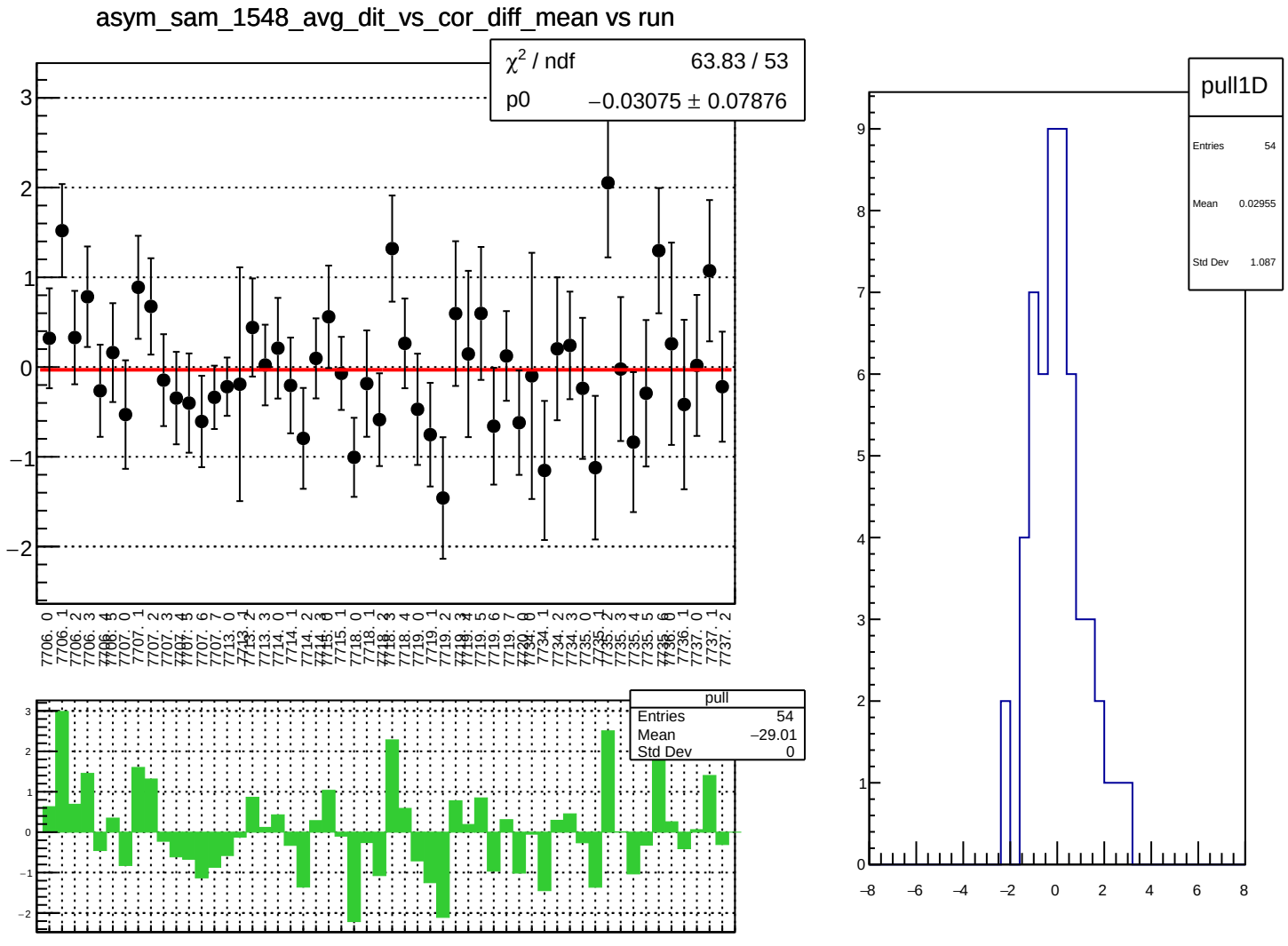

pull1D
Entries 54
Mean 0.01367
Std Dev 0.859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

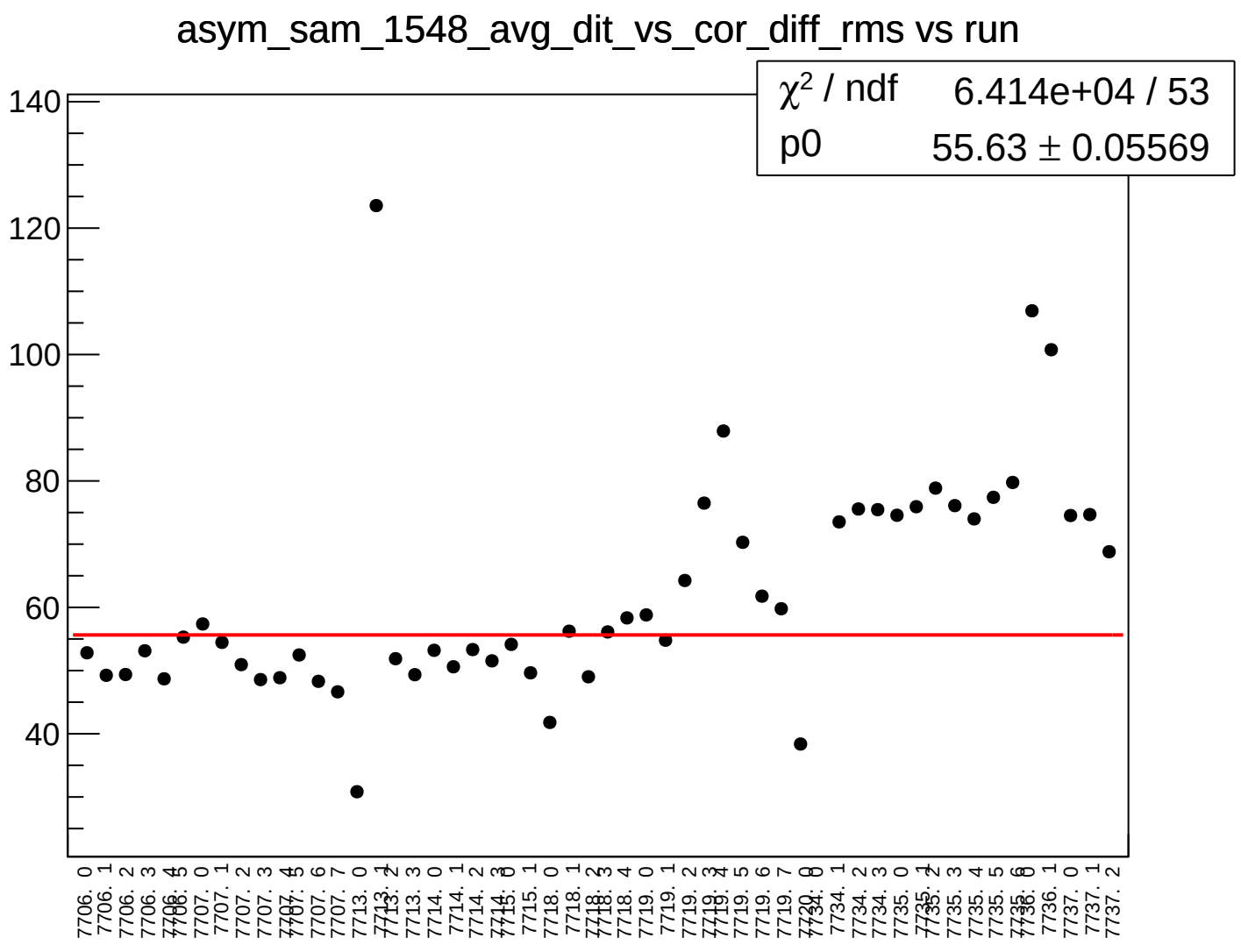

asym_sam_1548_avg_rms vs run
χ² / ndf 3.967e+04 / 53
p0 1446 ± 1.43
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.91 / 53
p0 −1.19e−13 ± 1.669e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 54
Mean 30.02
Std Dev 20.39
3
2
1
0
−1
−2
−3

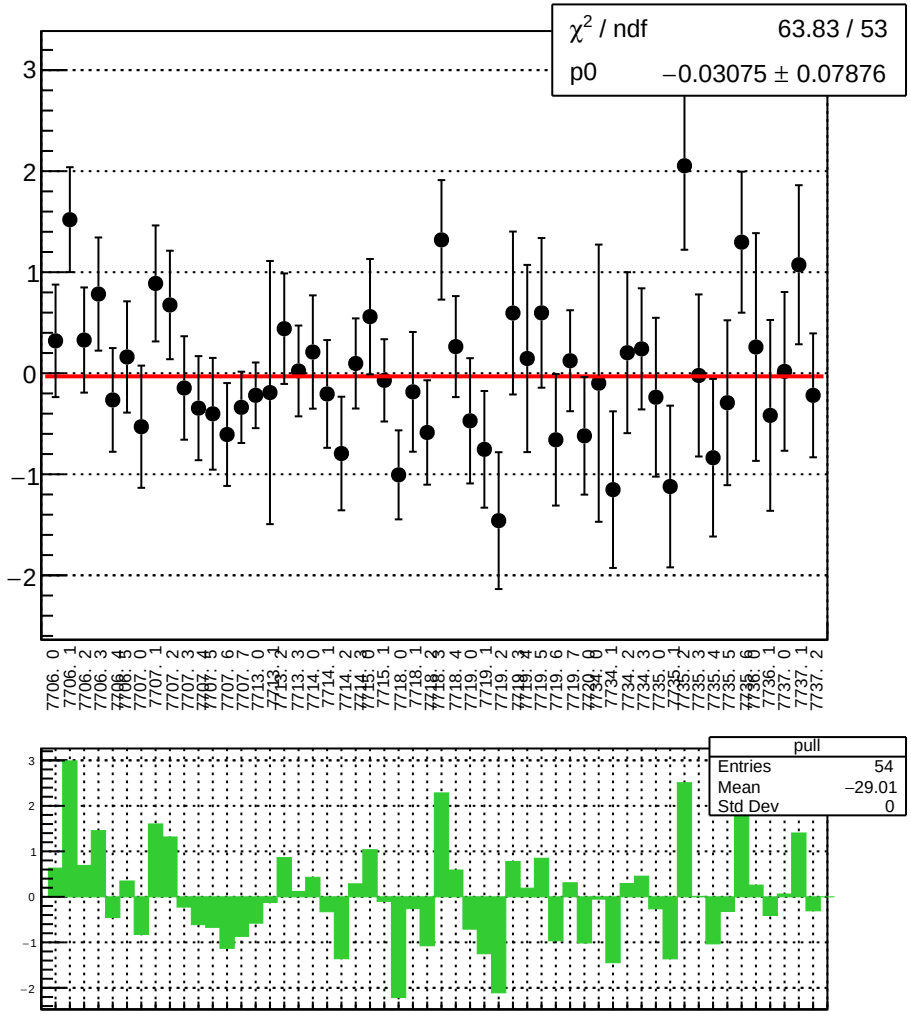

pull1D
Entries 54
Mean −0.08671
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

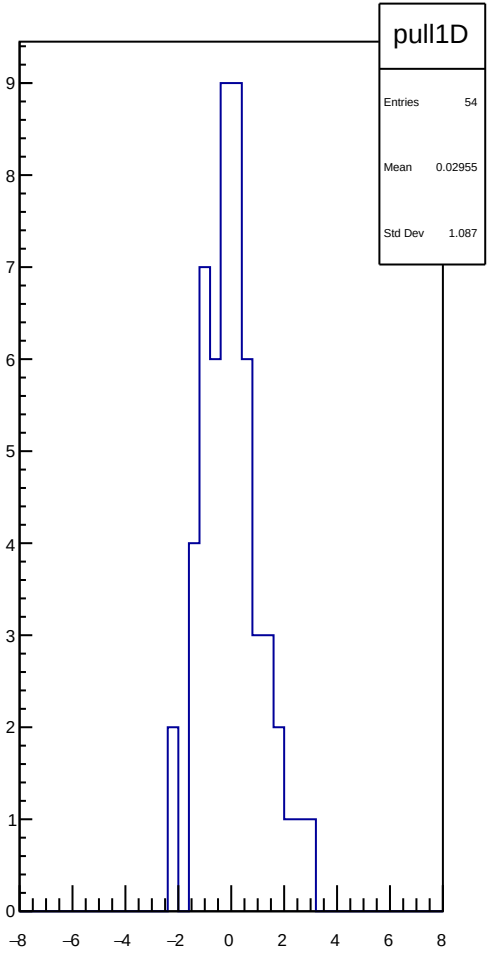

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.349e+05 / 53
p0 8.568e−11 ± 1.18e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

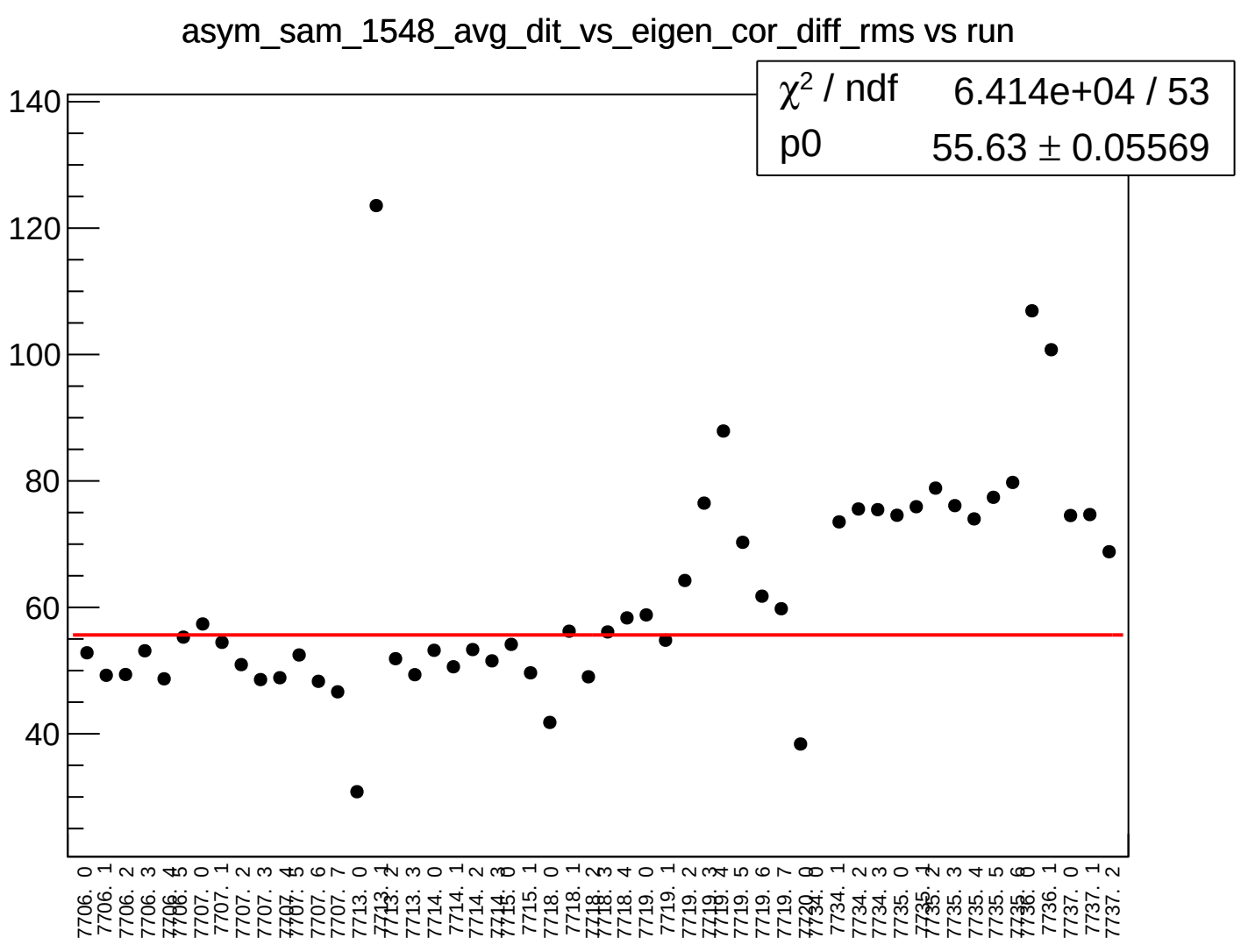

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.83 / 53
p0 −0.03075 ± 0.07876
pull
Entries 54
Mean −29.01
Std Dev 0
pull1D
Entries 54
Mean 0.02955
Std Dev 1.087

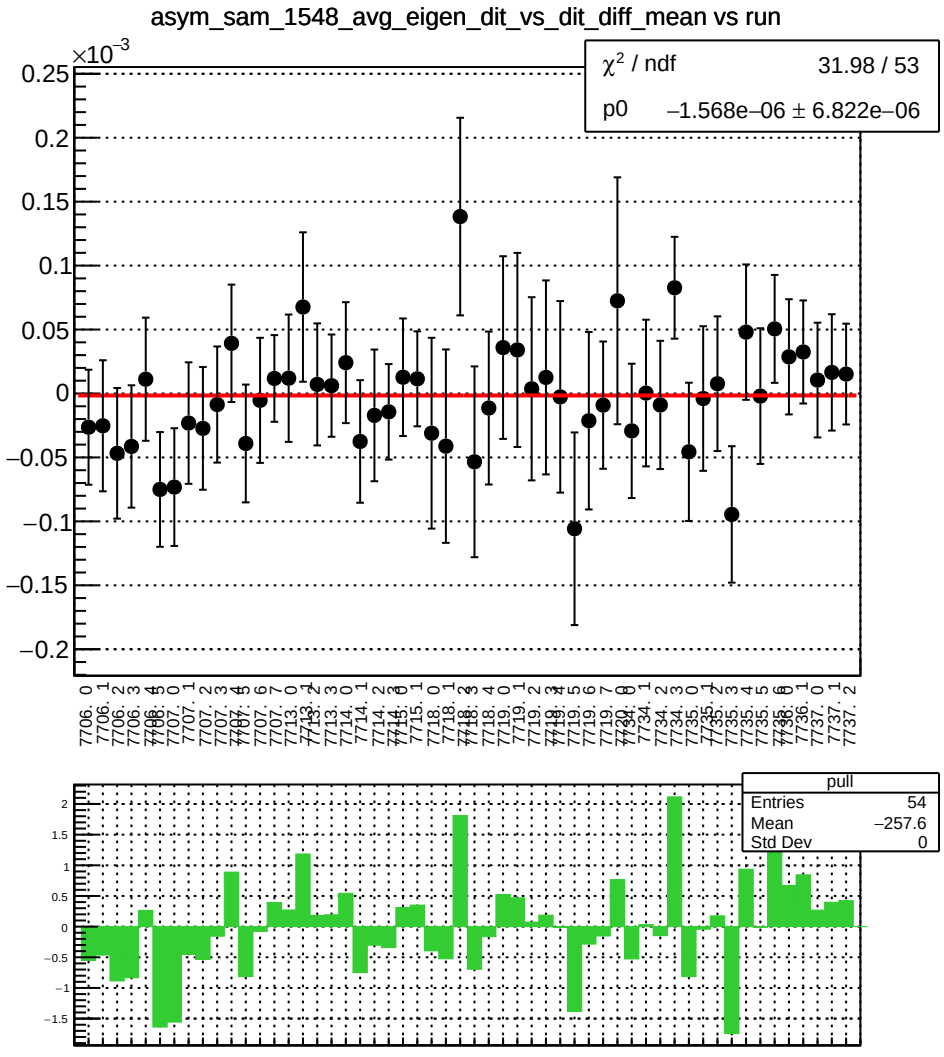

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.414e+04 / 53
p0 55.63 ± 0.05569
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

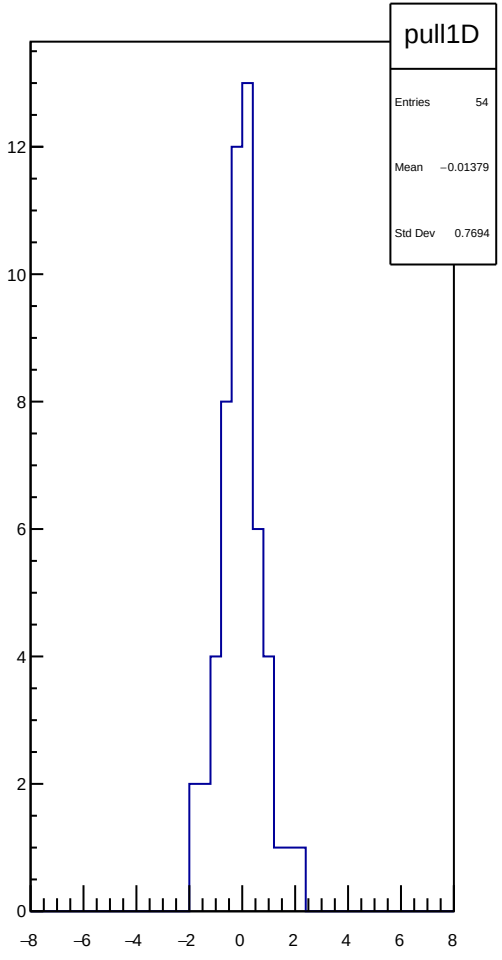
asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run

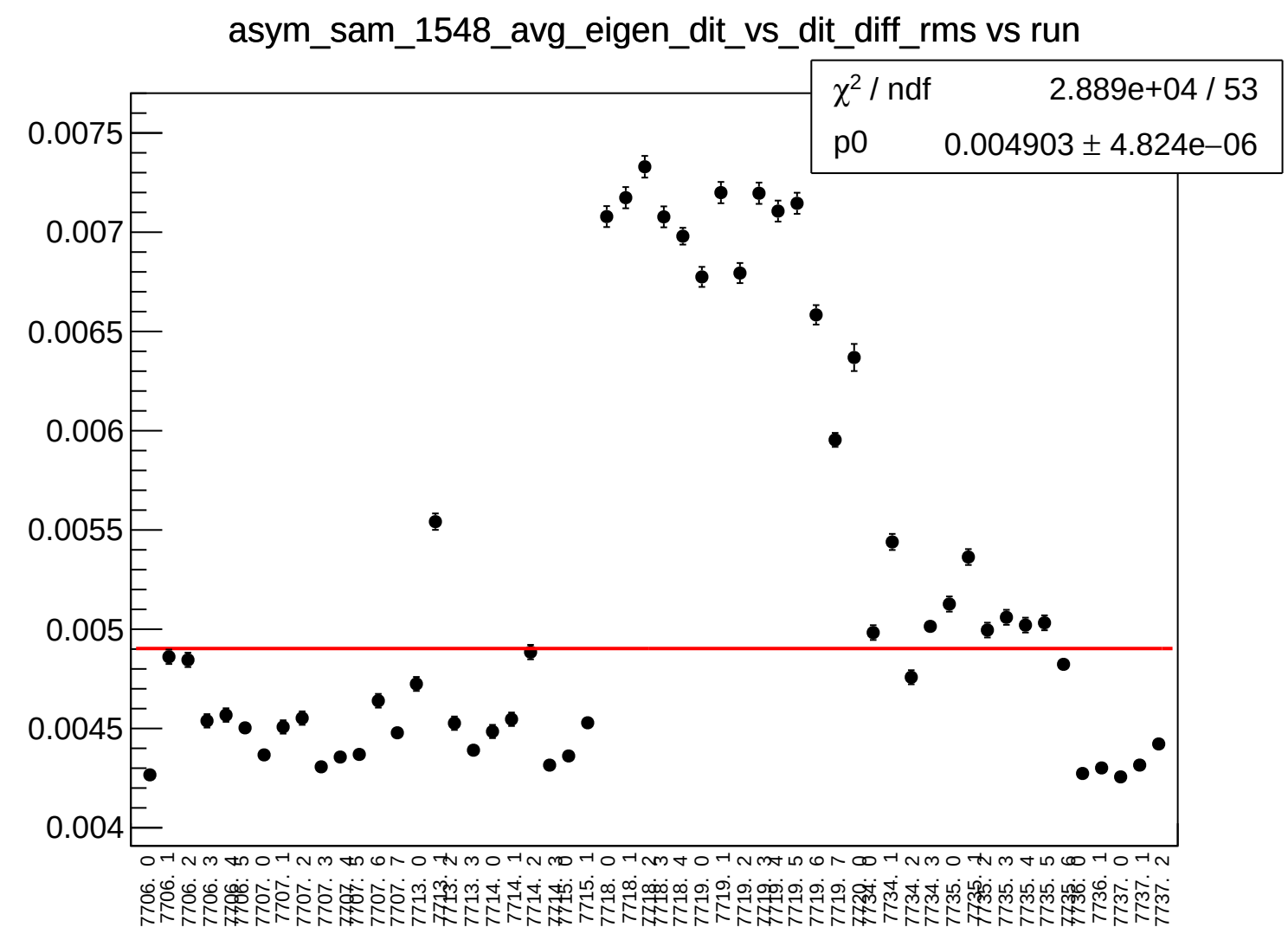




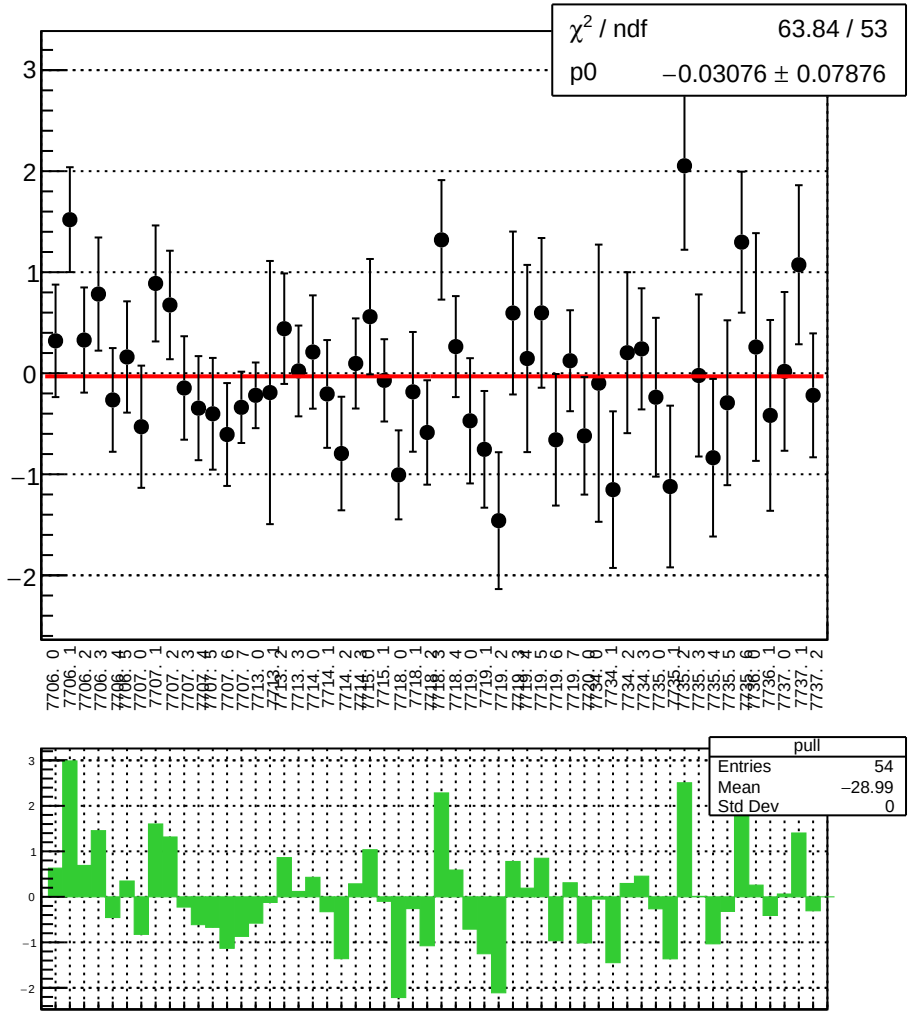

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.414e+04 / 53
p0 55.63 ± 0.05569
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

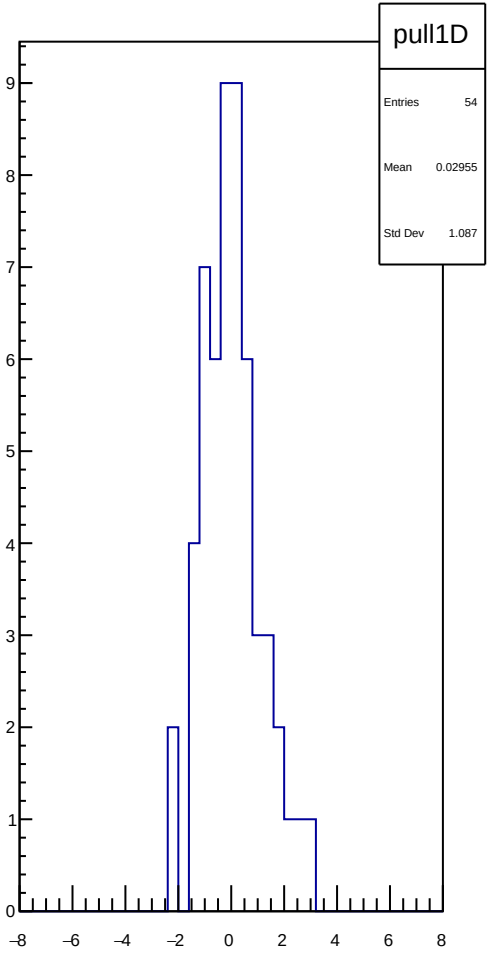

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.98 / 53
p0 −1.568e−06 ± 6.822e−06
pull
Entries 54
Mean −257.6
Std Dev 0

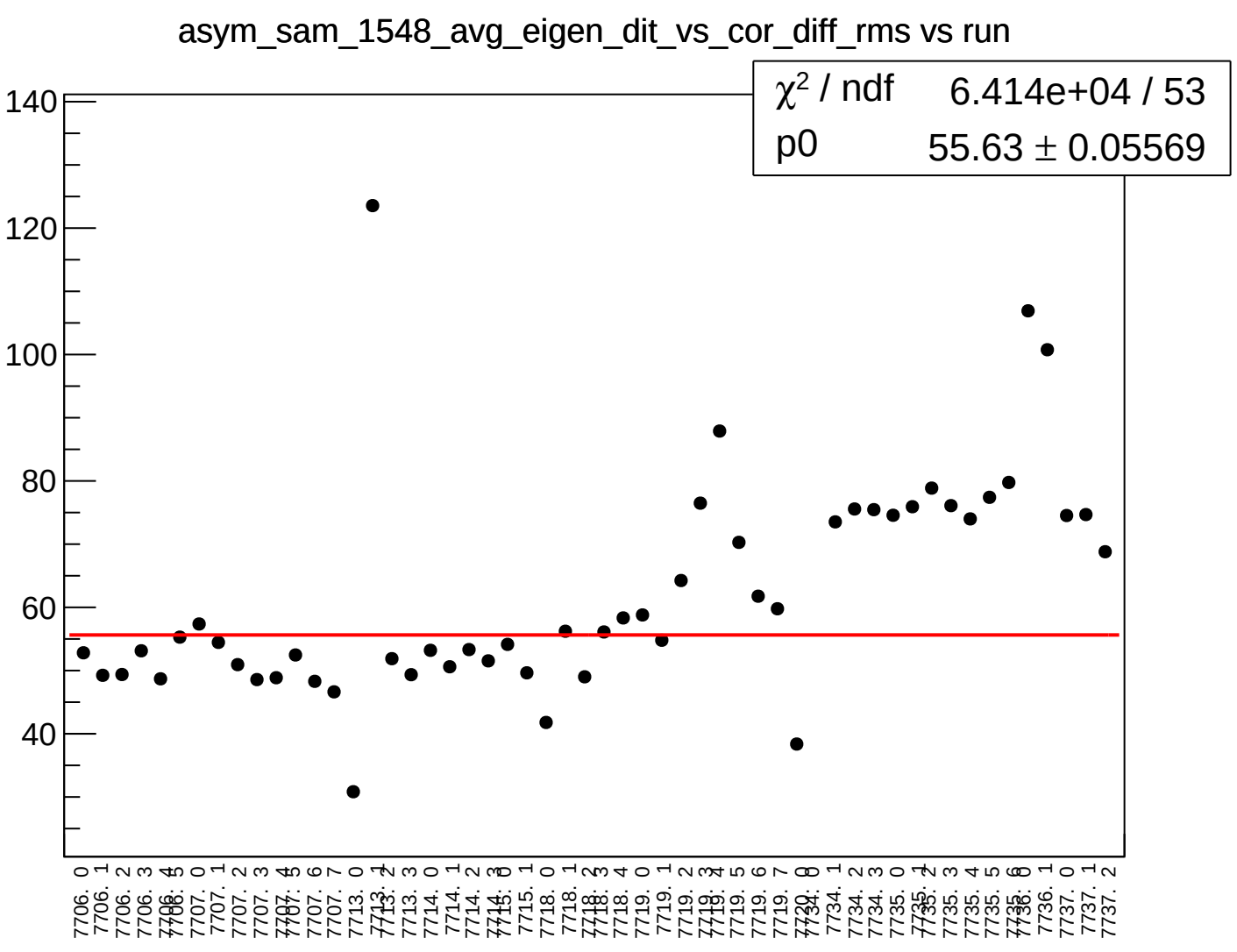

pull1D
Entries 54
Mean −0.01379
Std Dev 0.7694


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.889e+04 / 53
p0 0.004903 ± 4.824e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

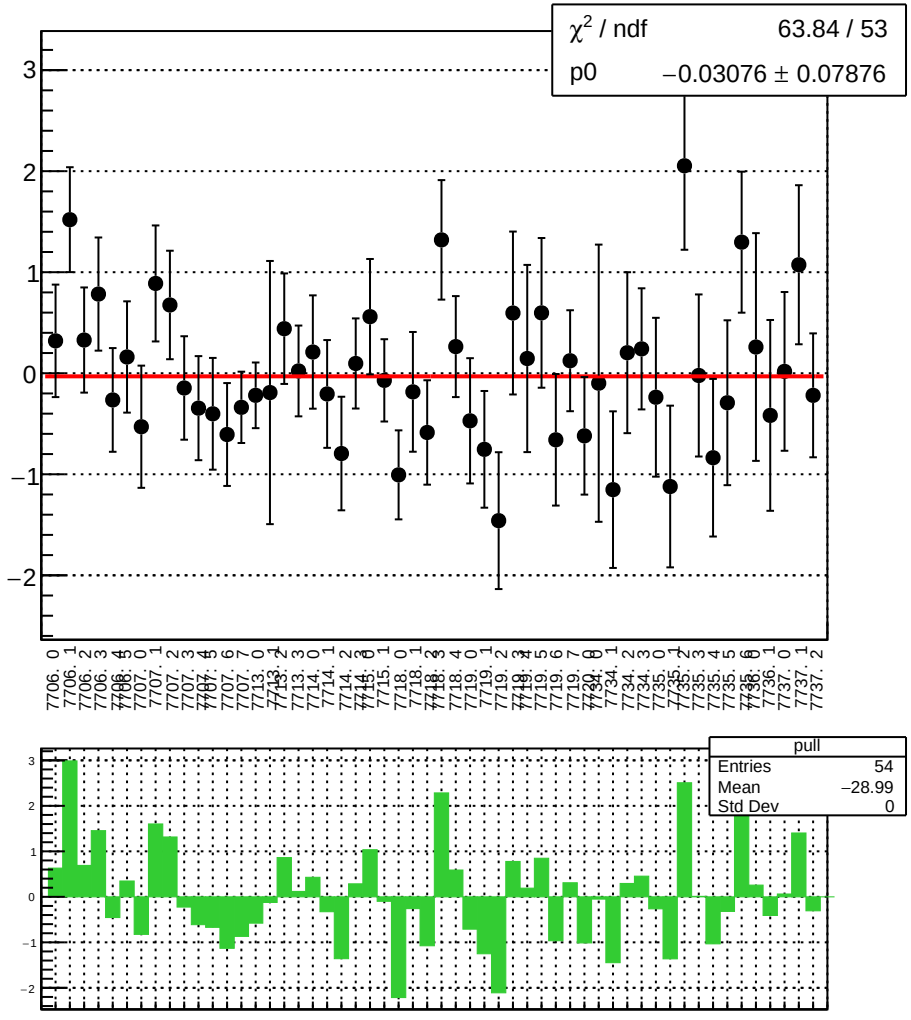
asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run

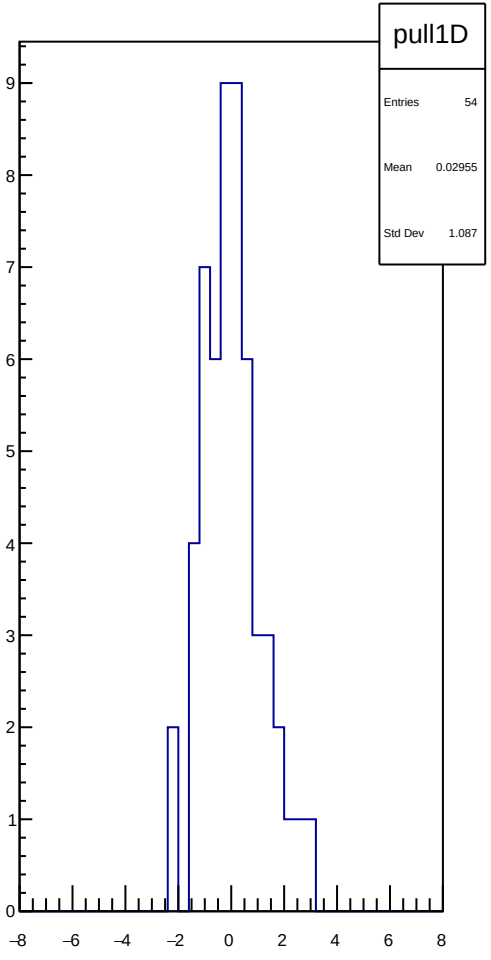


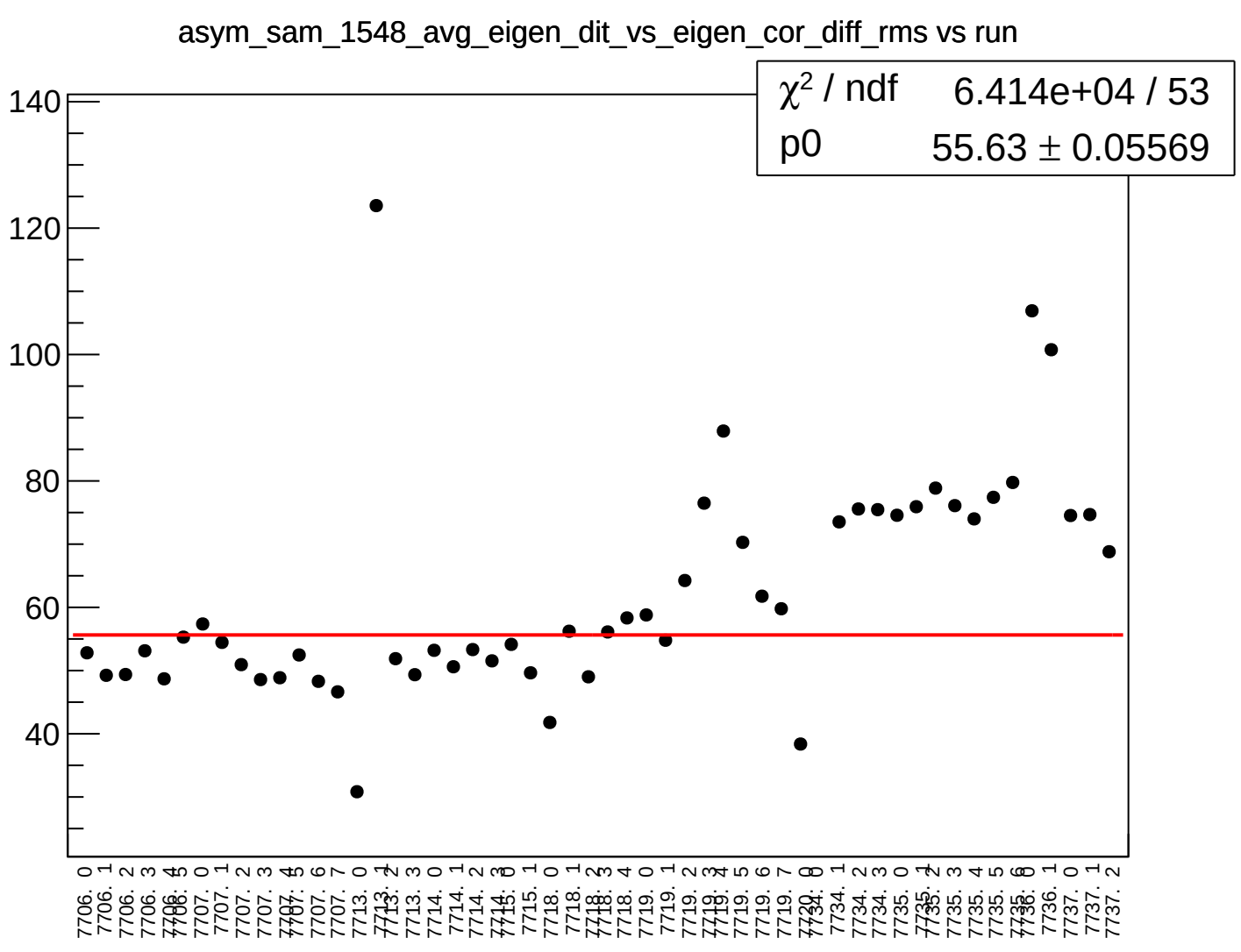


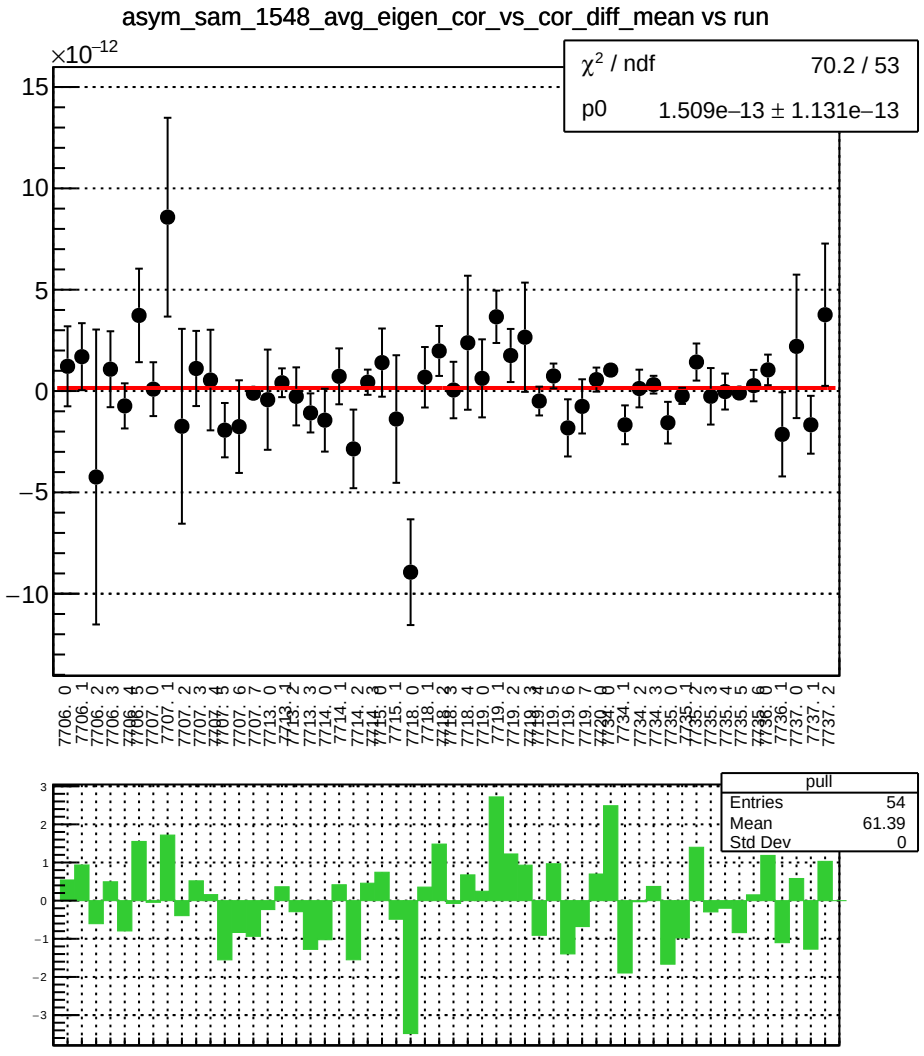

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.414e+04 / 53
p0 55.63 ± 0.05569
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

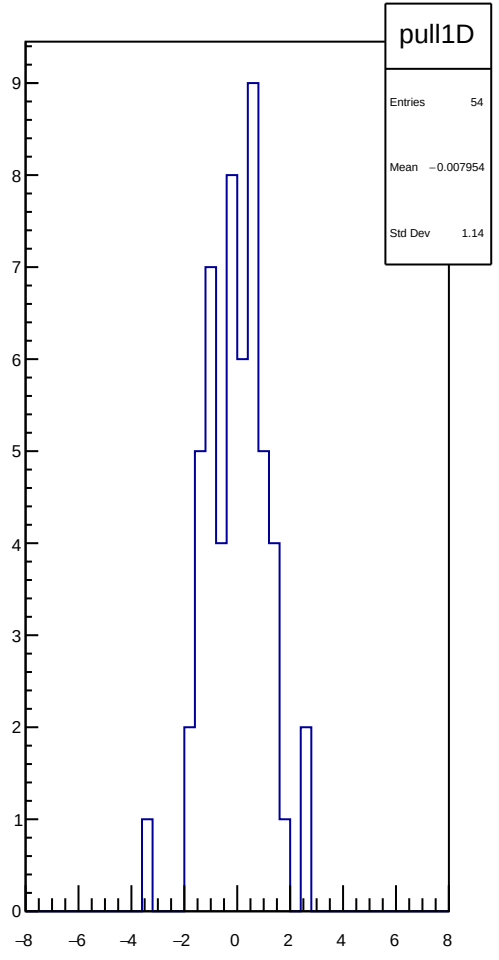
asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

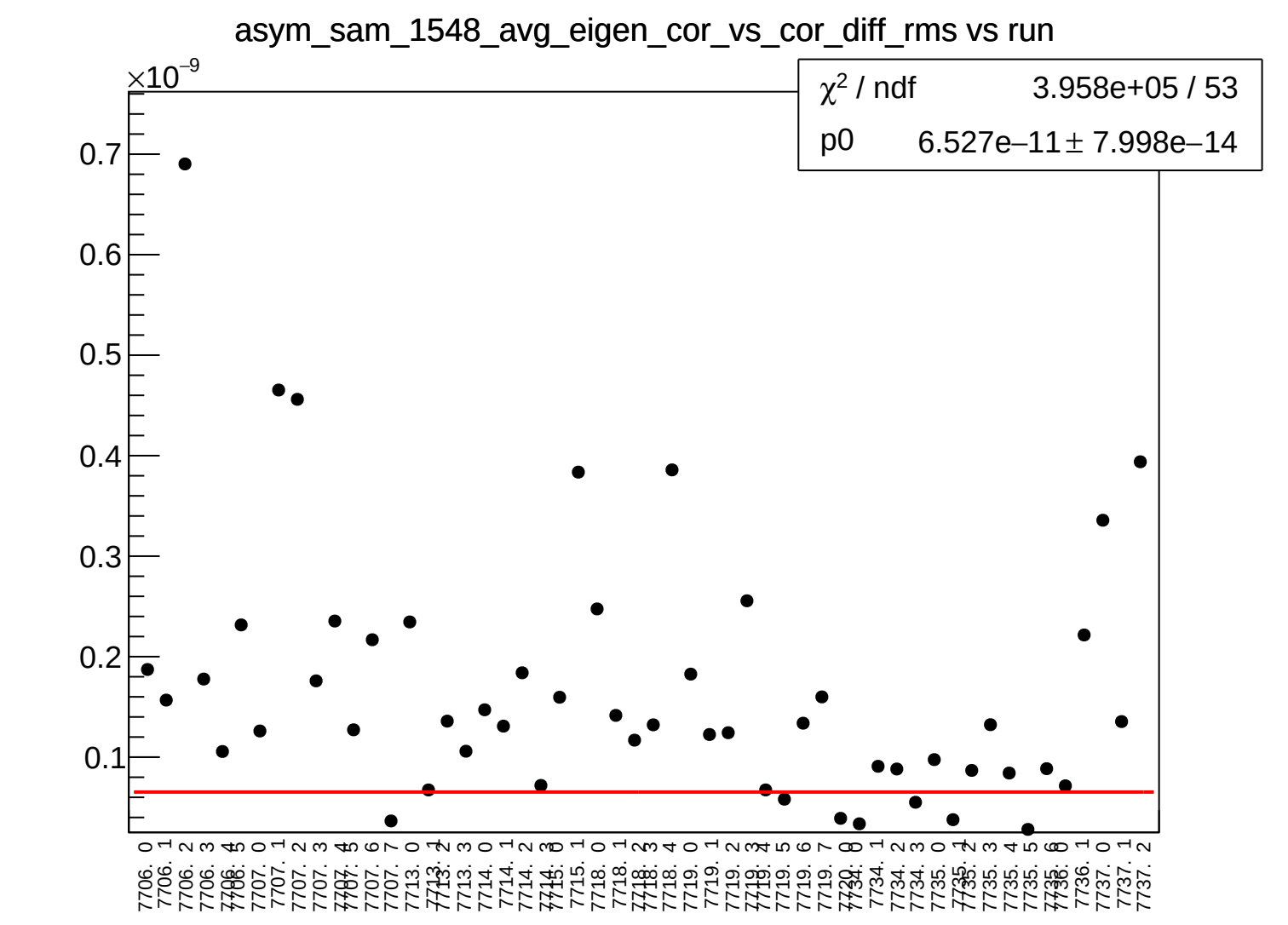


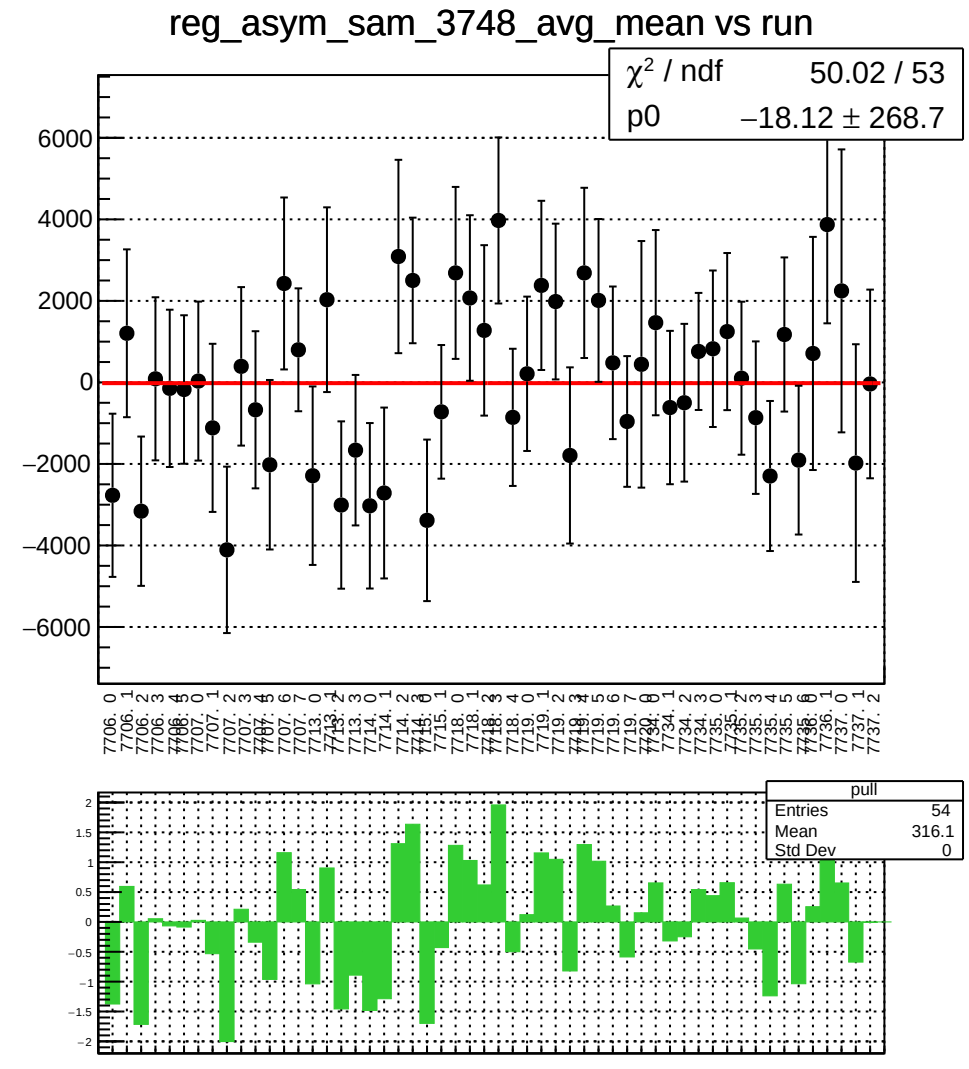


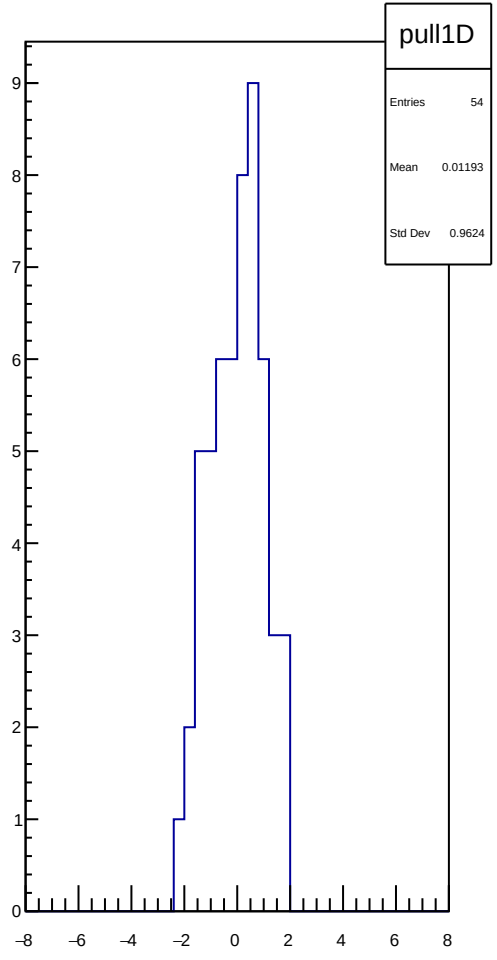

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.414e+04 / 53
p0 55.63 ± 0.05569
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

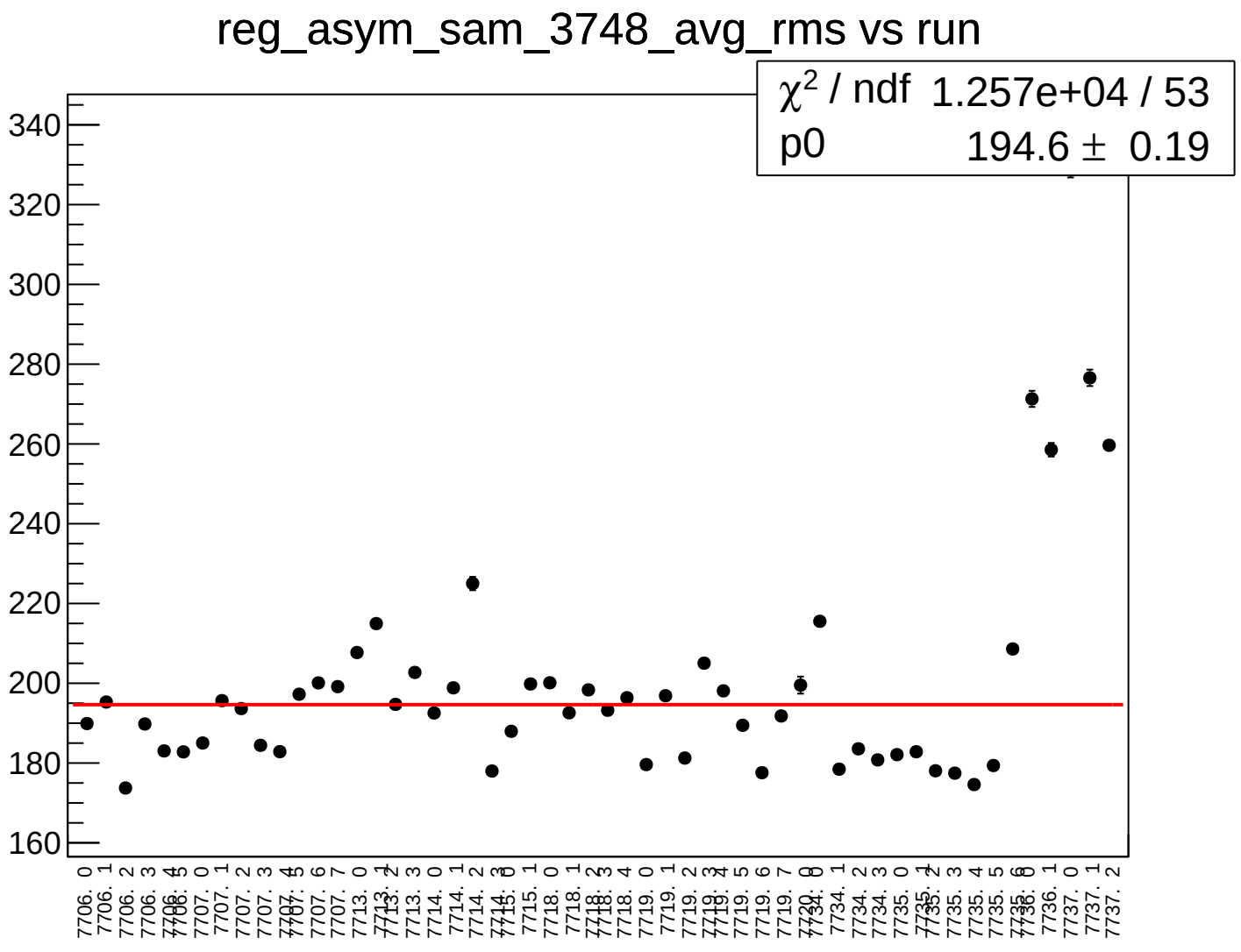

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.2 / 53
p0 1.509e−13 ± 1.131e−13
pull
Entries 54
Mean 61.39
Std Dev 0

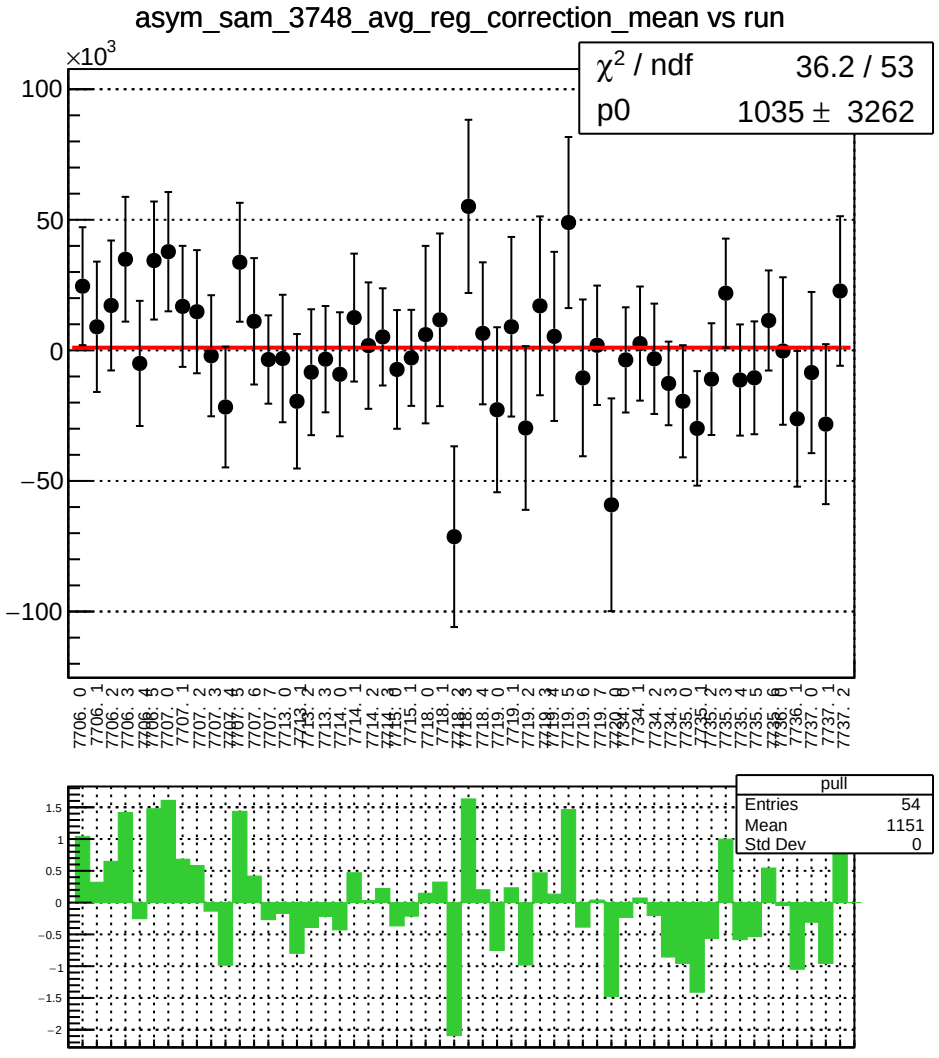

pull1D
Entries 54
Mean −0.007954
Std Dev 1.14

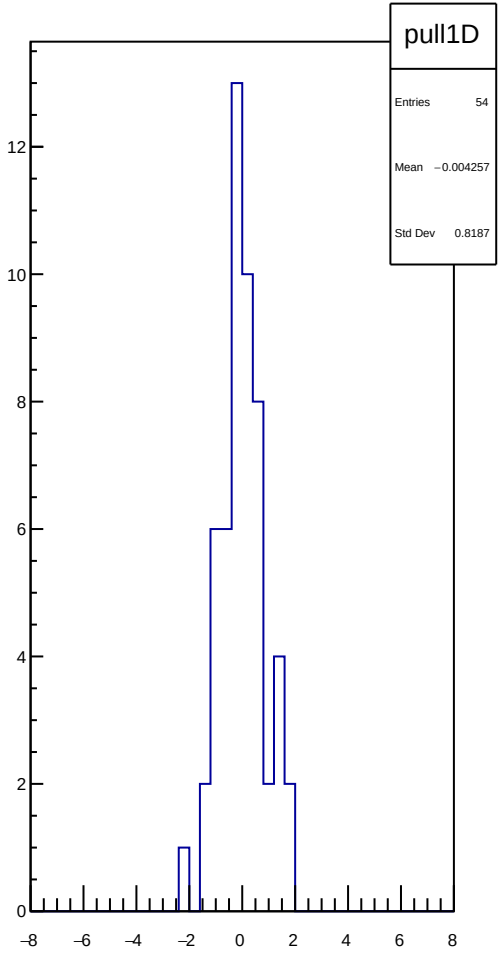

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.958e+05 / 53
p0 6.527e−11 ± 7.998e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

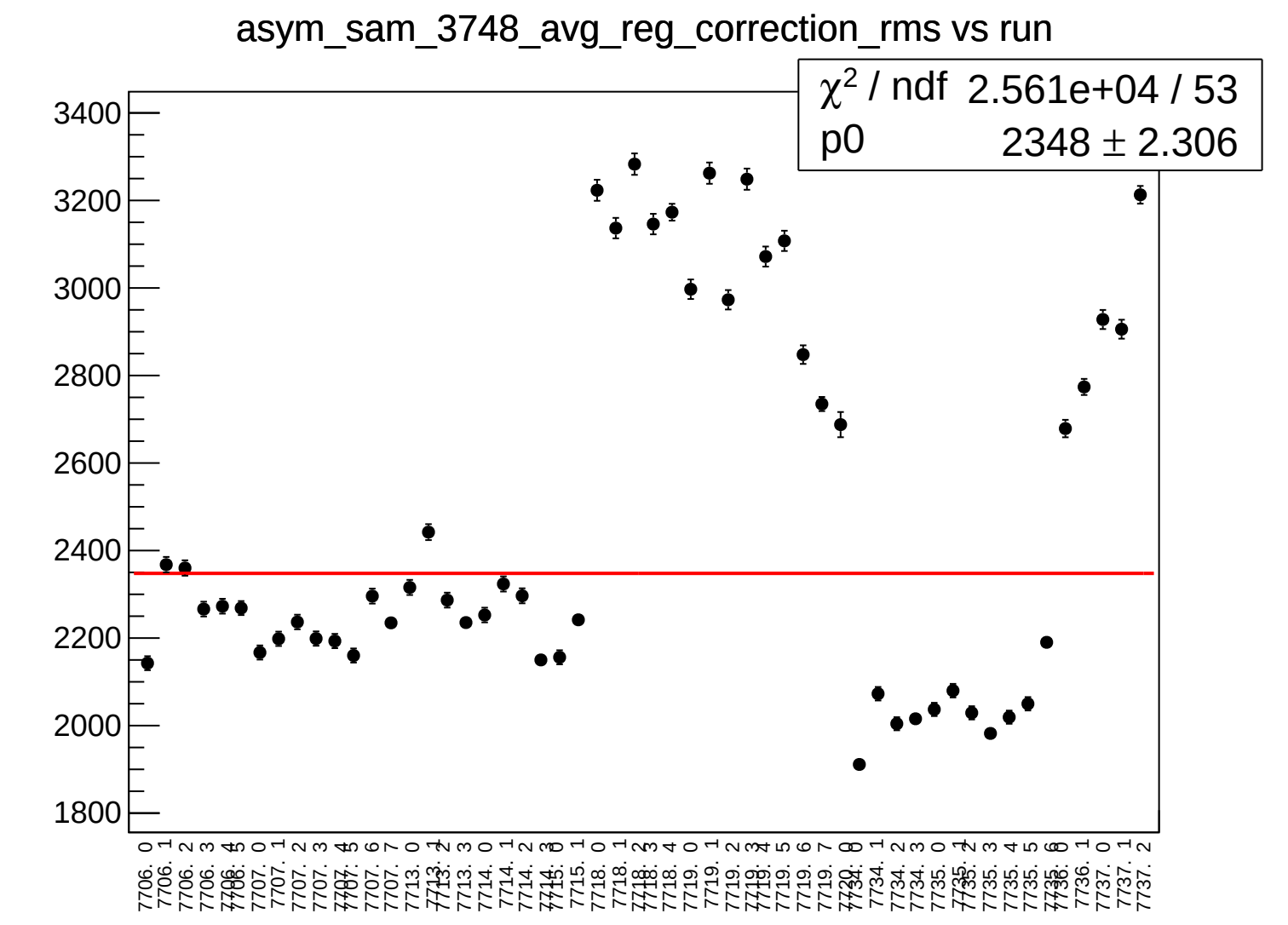

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 50.02 / 53
p0 −18.12 ± 268.7
pull
Entries 54
Mean 316.1
Std Dev 0

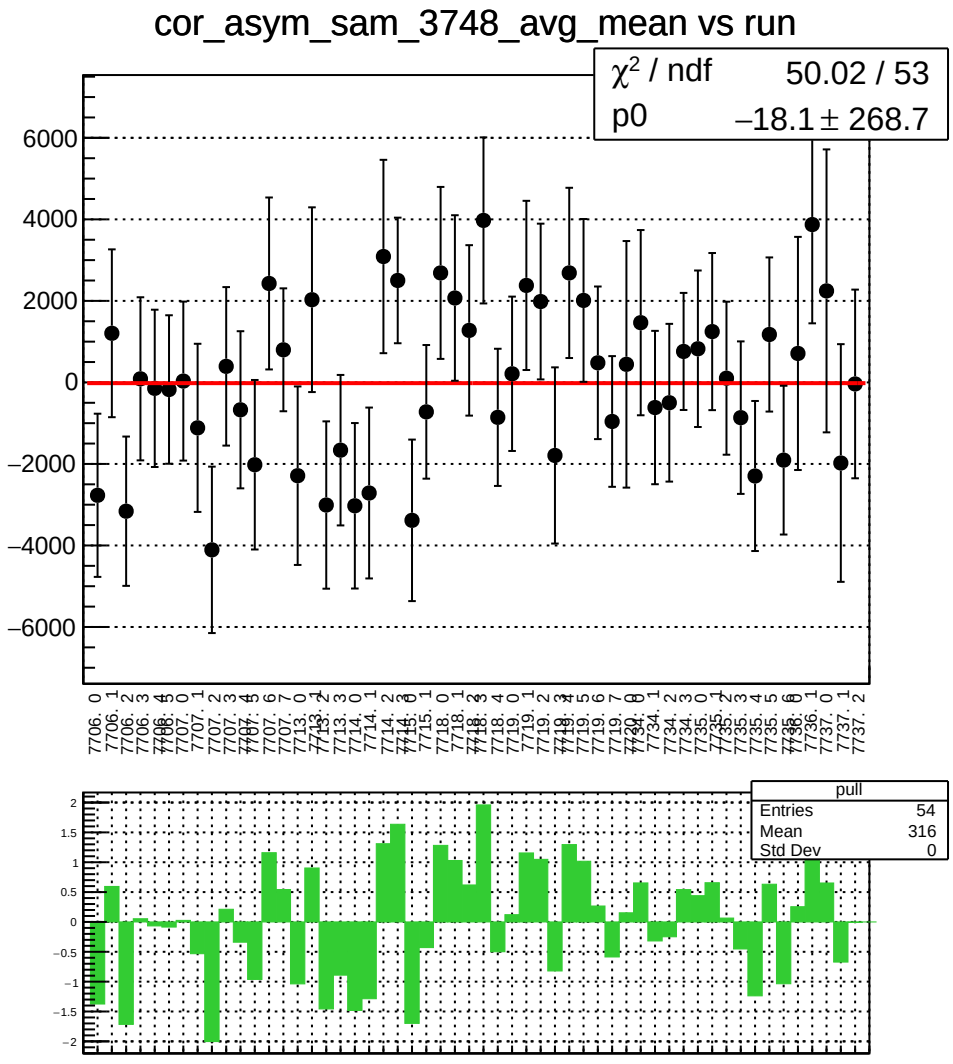

pull1D
Entries 54
Mean 0.01193
Std Dev 0.9624

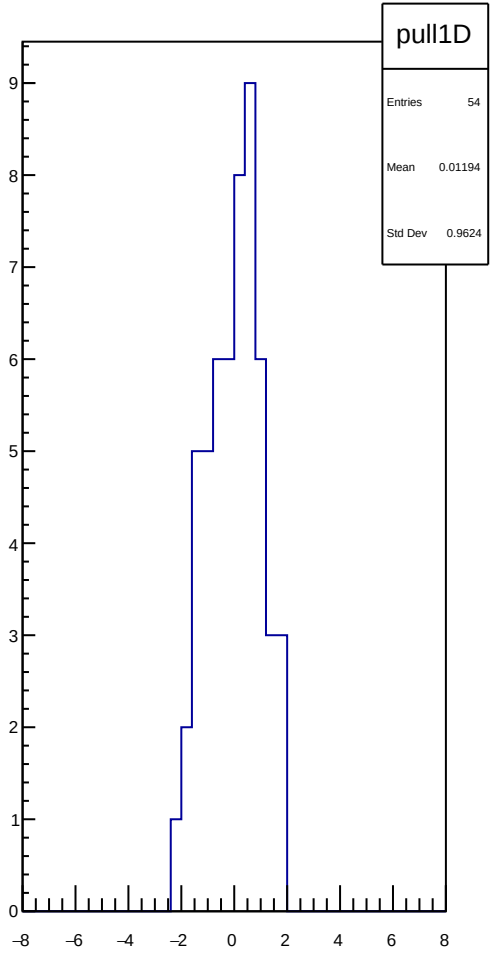

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.257e+04 / 53
p0 194.6 ± 0.19
340
320
300
280
260
240
220
200
180
160

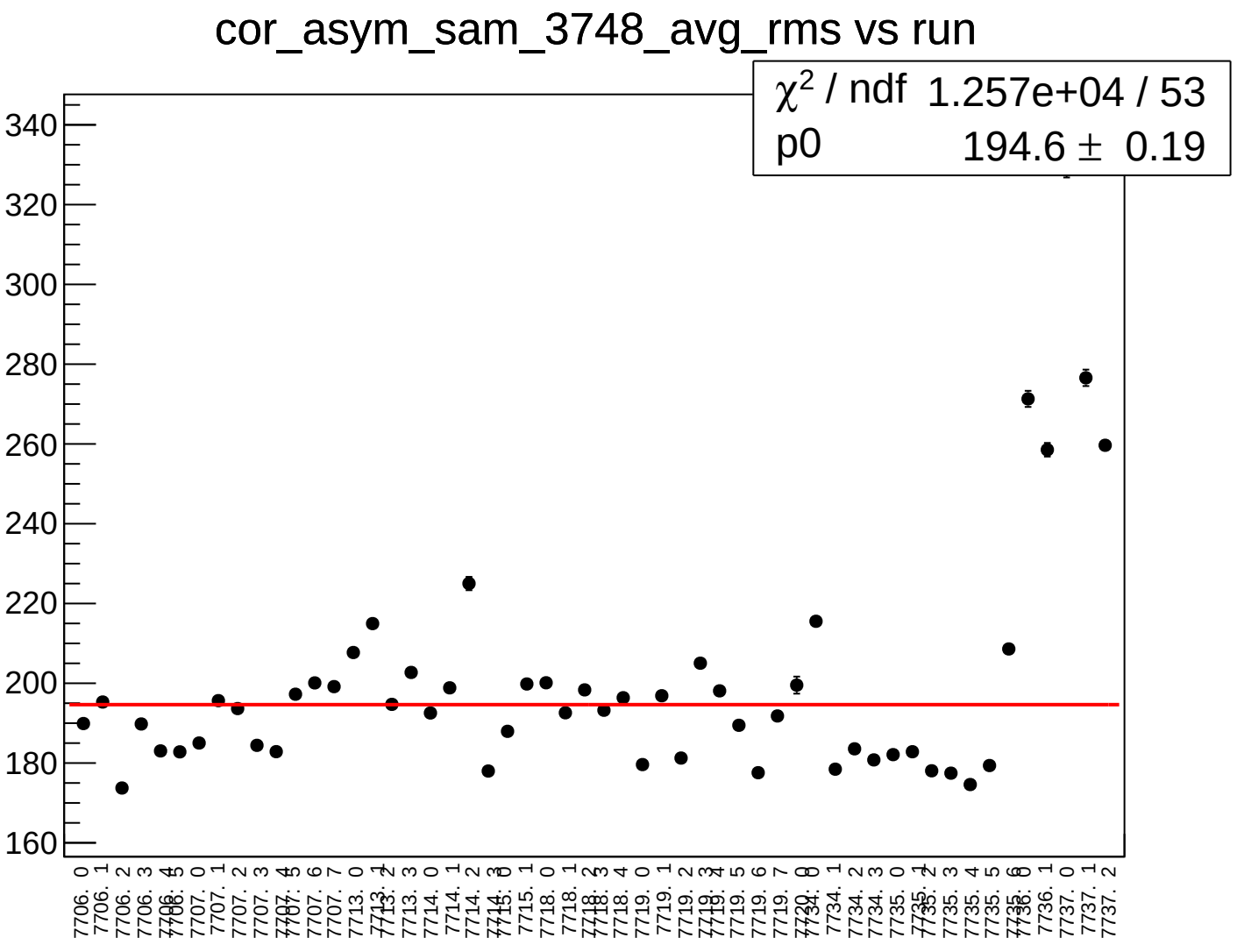

asym_sam_3748_avg_reg_correction_mean vs run
×10^3
χ² / ndf 36.2 / 53
p0 1035 ± 3262
pull
Entries 54
Mean 1151
Std Dev 0

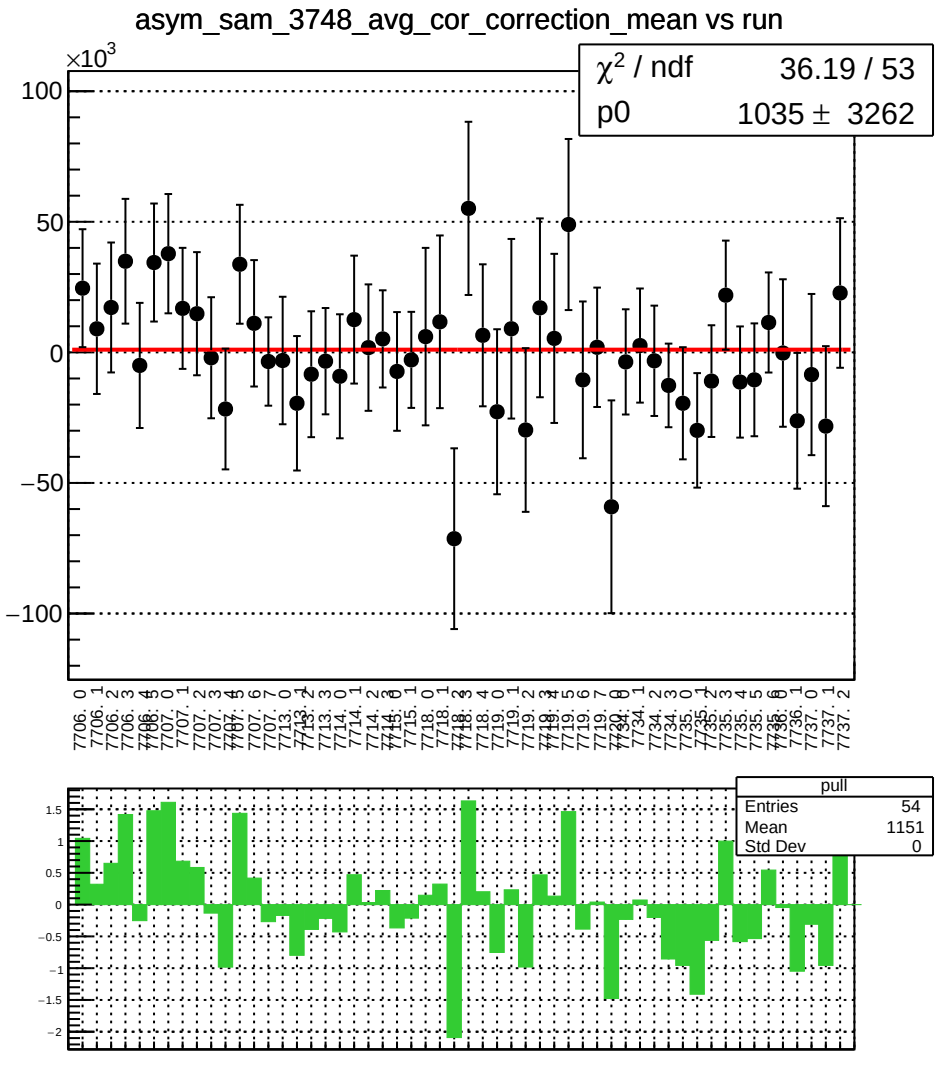

pull1D
Entries 54
Mean −0.004257
Std Dev 0.8187

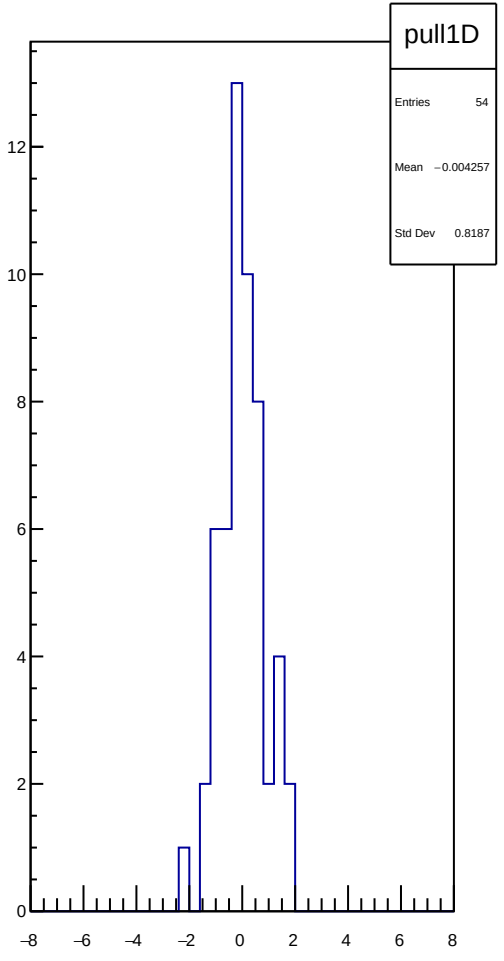

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 2.561e+04 / 53
p0 2348 ± 2.306
3400
3200
3000
2800
2600
2400
2200
2000
1800

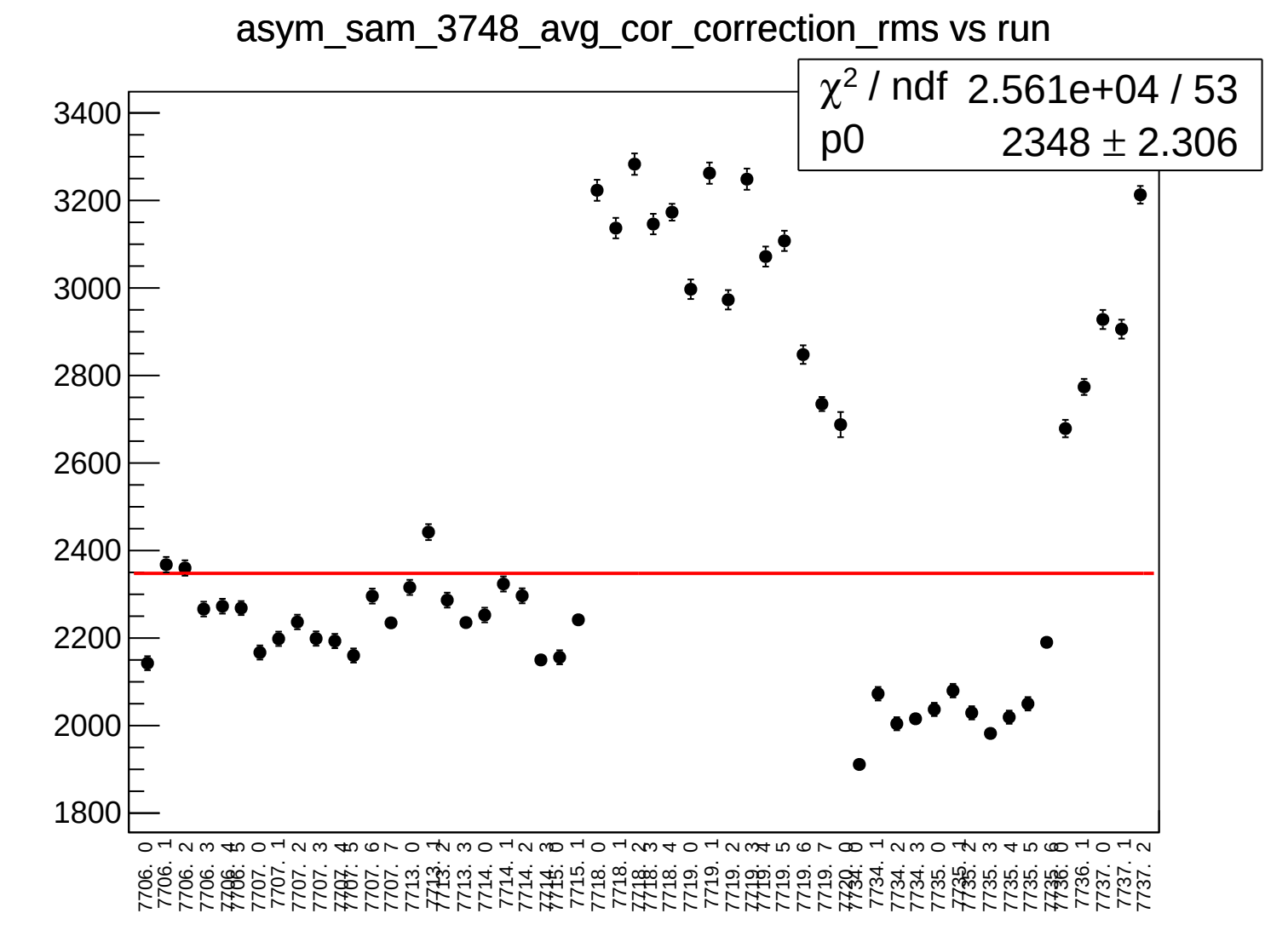

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 50.02 / 53
p0 −18.1 ± 268.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 316
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

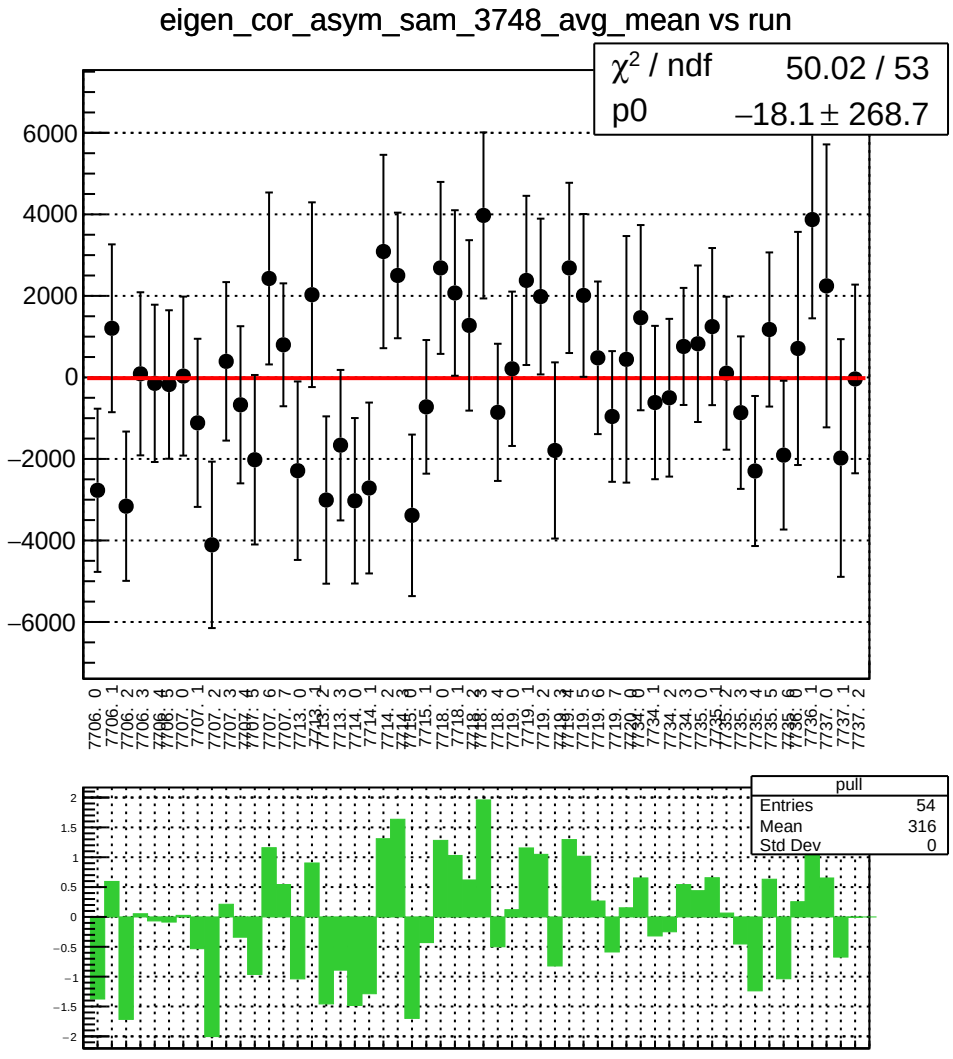

pull1D
Entries 54
Mean 0.01194
Std Dev 0.9624
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

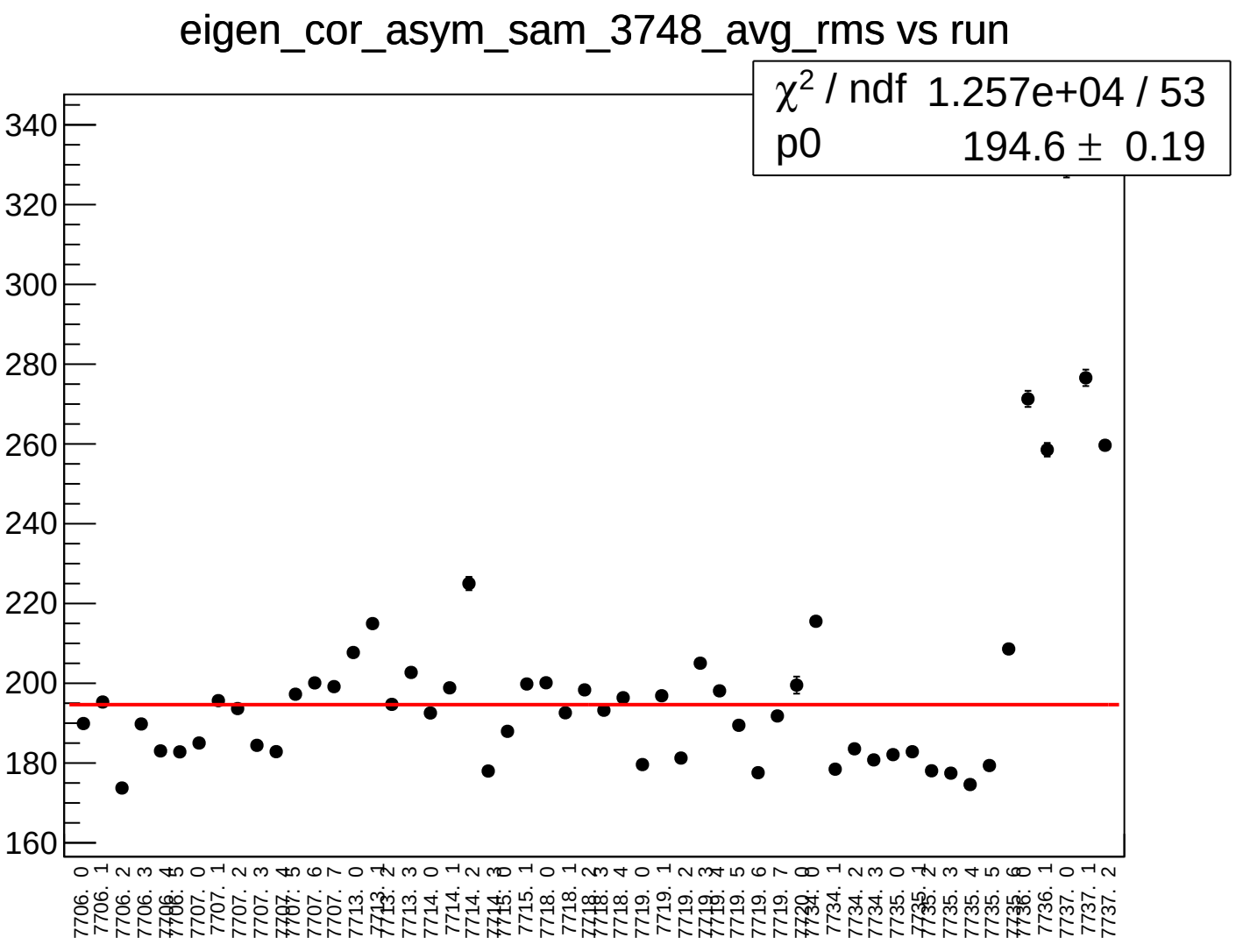

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.257e+04 / 53
p0 194.6 ± 0.19
340
320
300
280
260
240
220
200
180
160

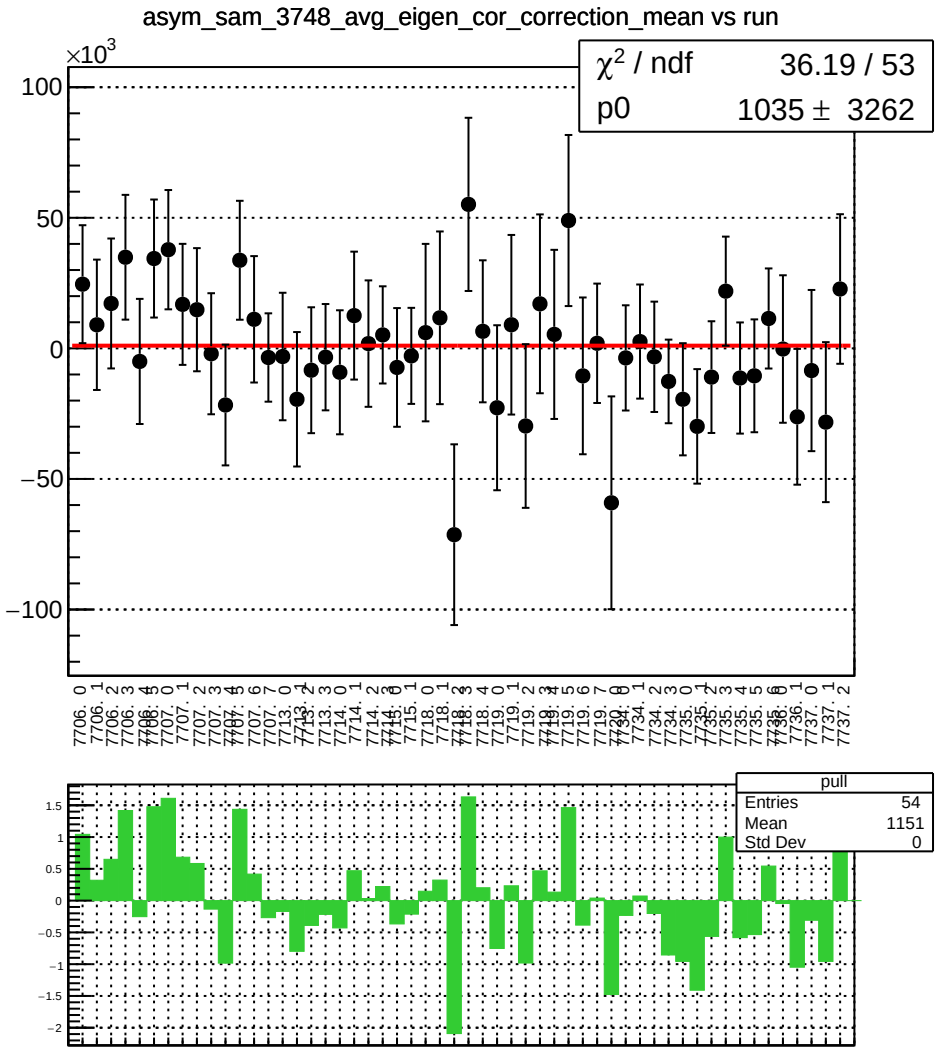

asym_sam_3748_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 36.19 / 53
p0 1035 ± 3262
100
50
0
−50
−100
pull
Entries 54
Mean 1151
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

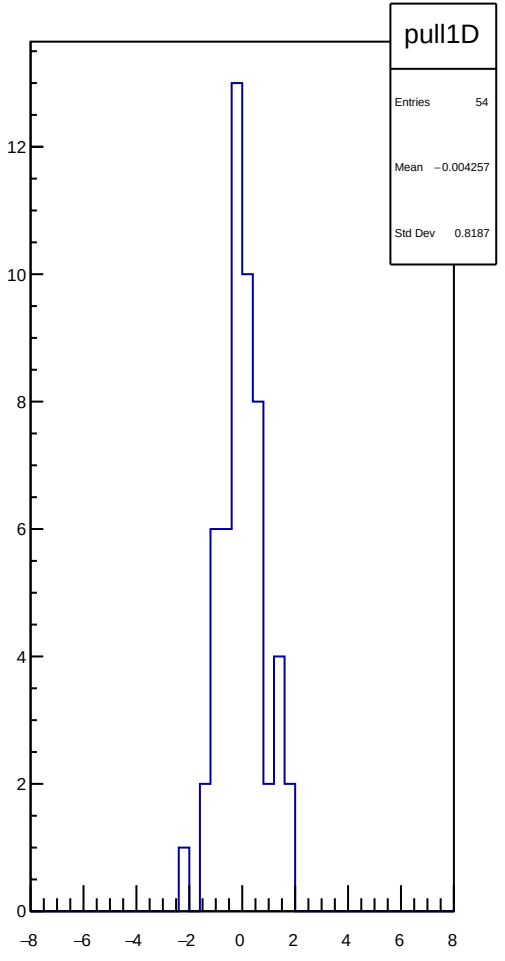

pull1D
Entries 54
Mean −0.004257
Std Dev 0.8187
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

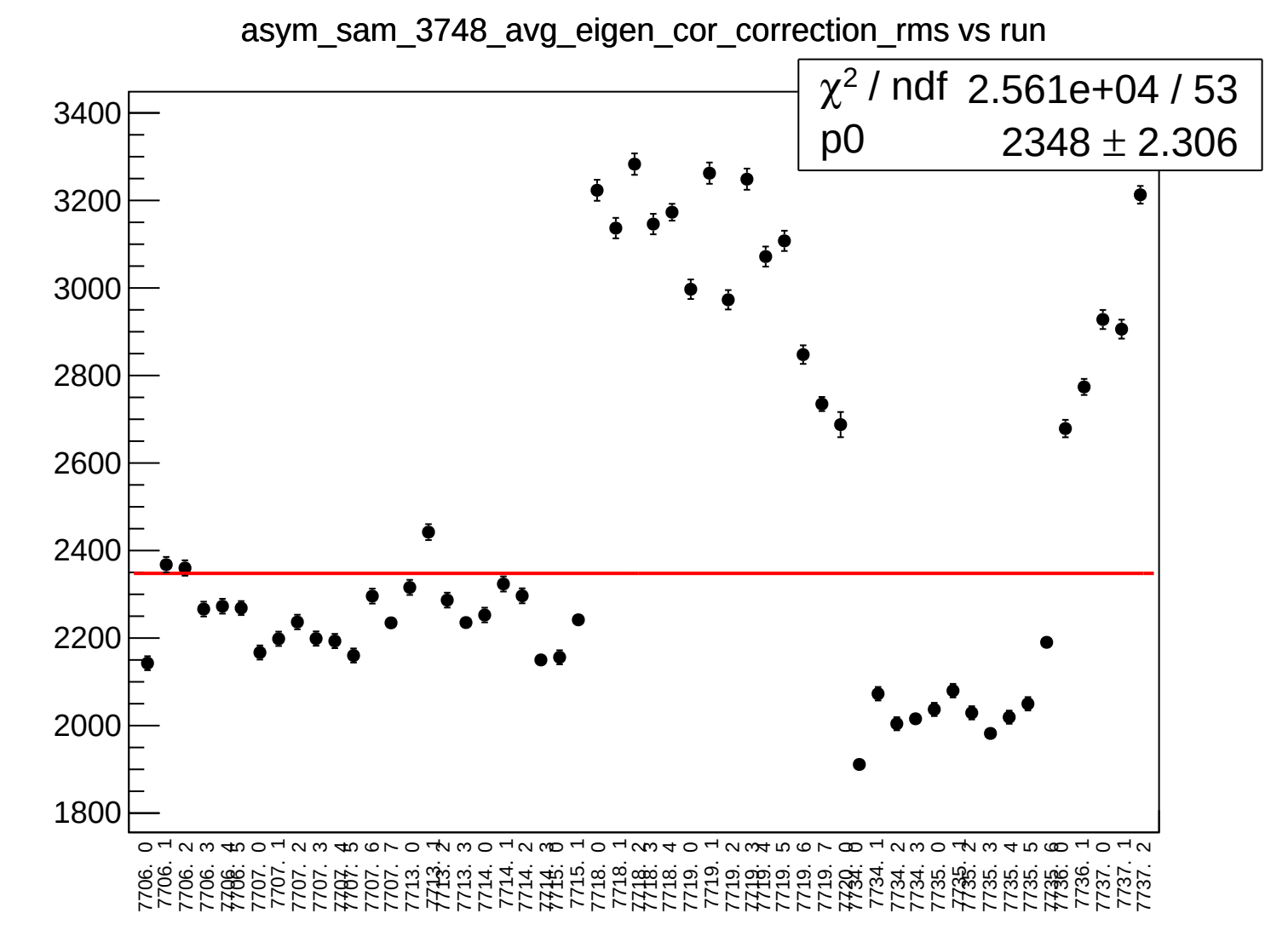

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 2.561e+04 / 53
p0 2348 ± 2.306
3400
3200
3000
2800
2600
2400
2200
2000
1800

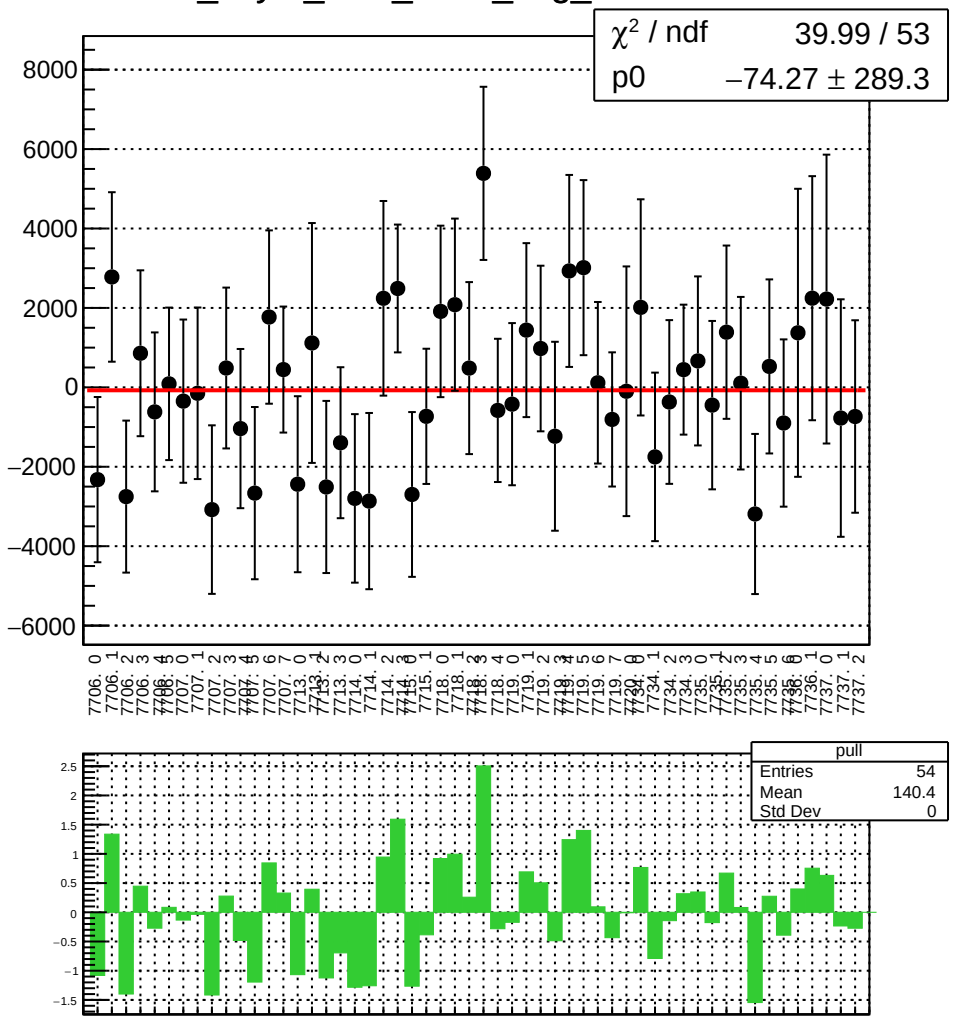

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 50.02 / 53
p0 −18.1 ± 268.7
pull
Entries 54
Mean 316
Std Dev 0
pull1D
Entries 54
Mean 0.01194
Std Dev 0.9624

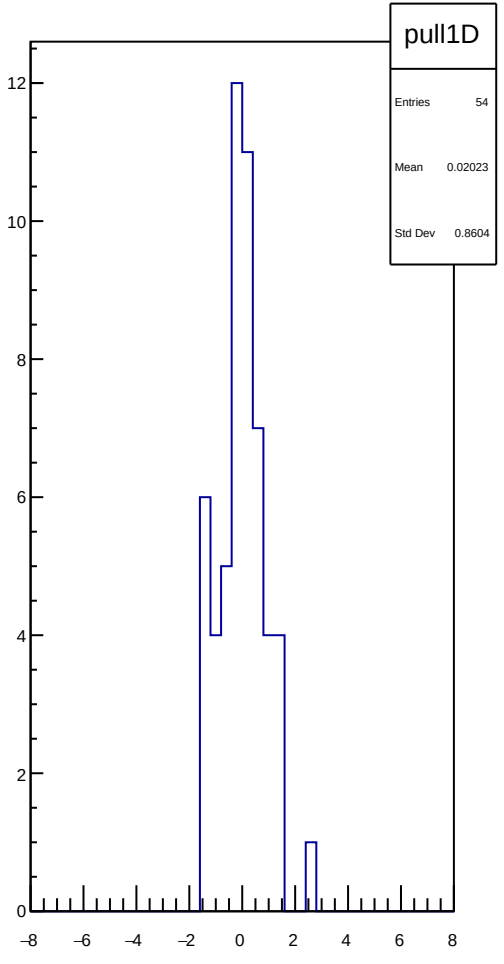

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.257e+04 / 53
p0 194.6 ± 0.19
340
320
300
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

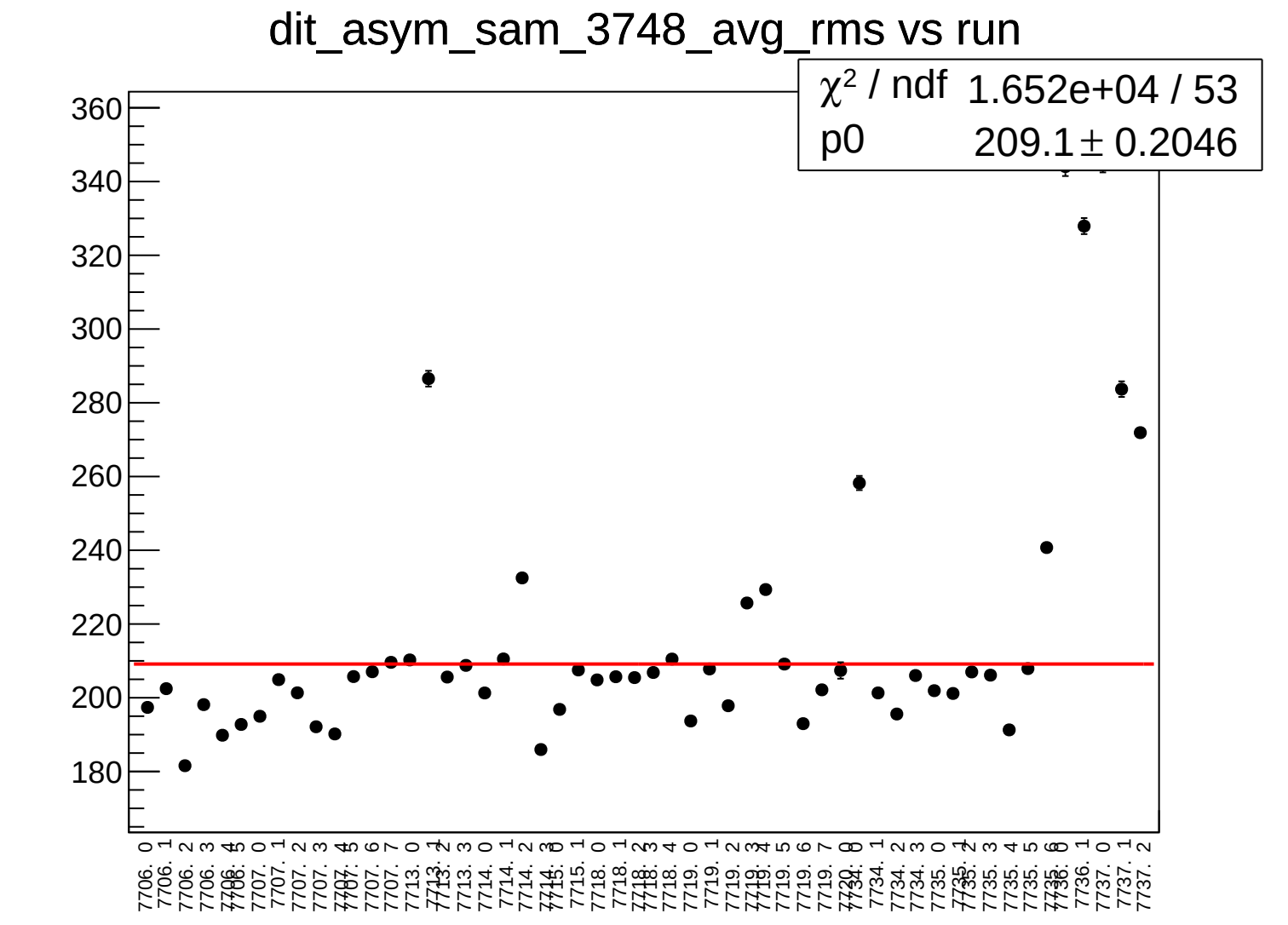

asym_sam_3748_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.19 / 53
p0 1035 ± 3262
pull
Entries 54
Mean 1151
Std Dev 0

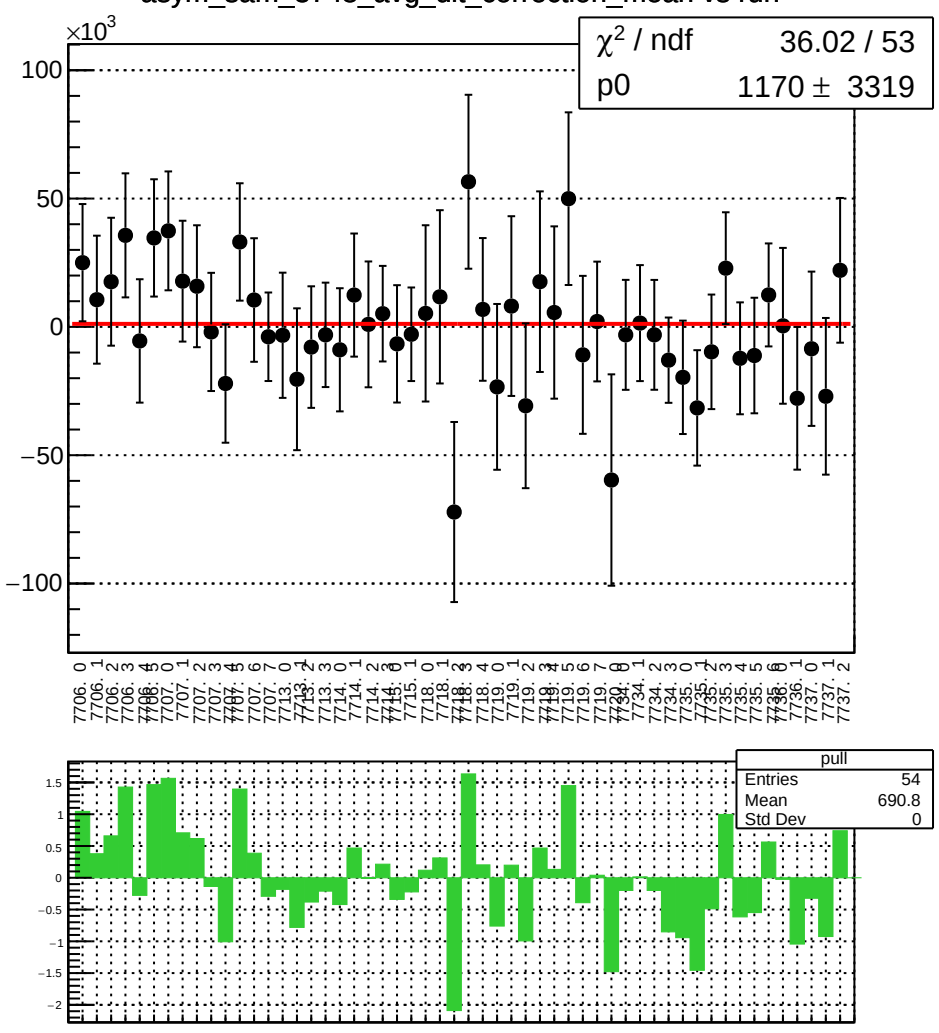

pull1D
Entries 54
Mean −0.004257
Std Dev 0.8187

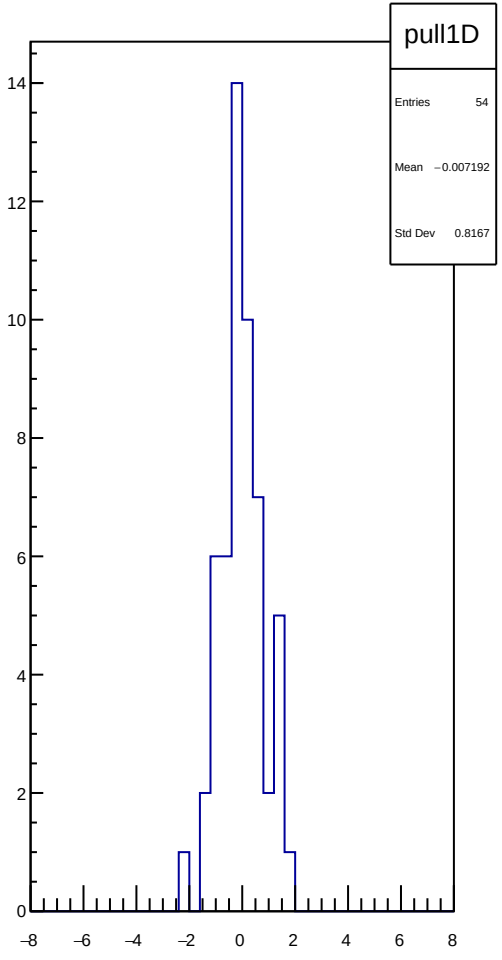

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.561e+04 / 53
p0 2348 ± 2.306
3400
3200
3000
2800
2600
2400
2200
2000
1800

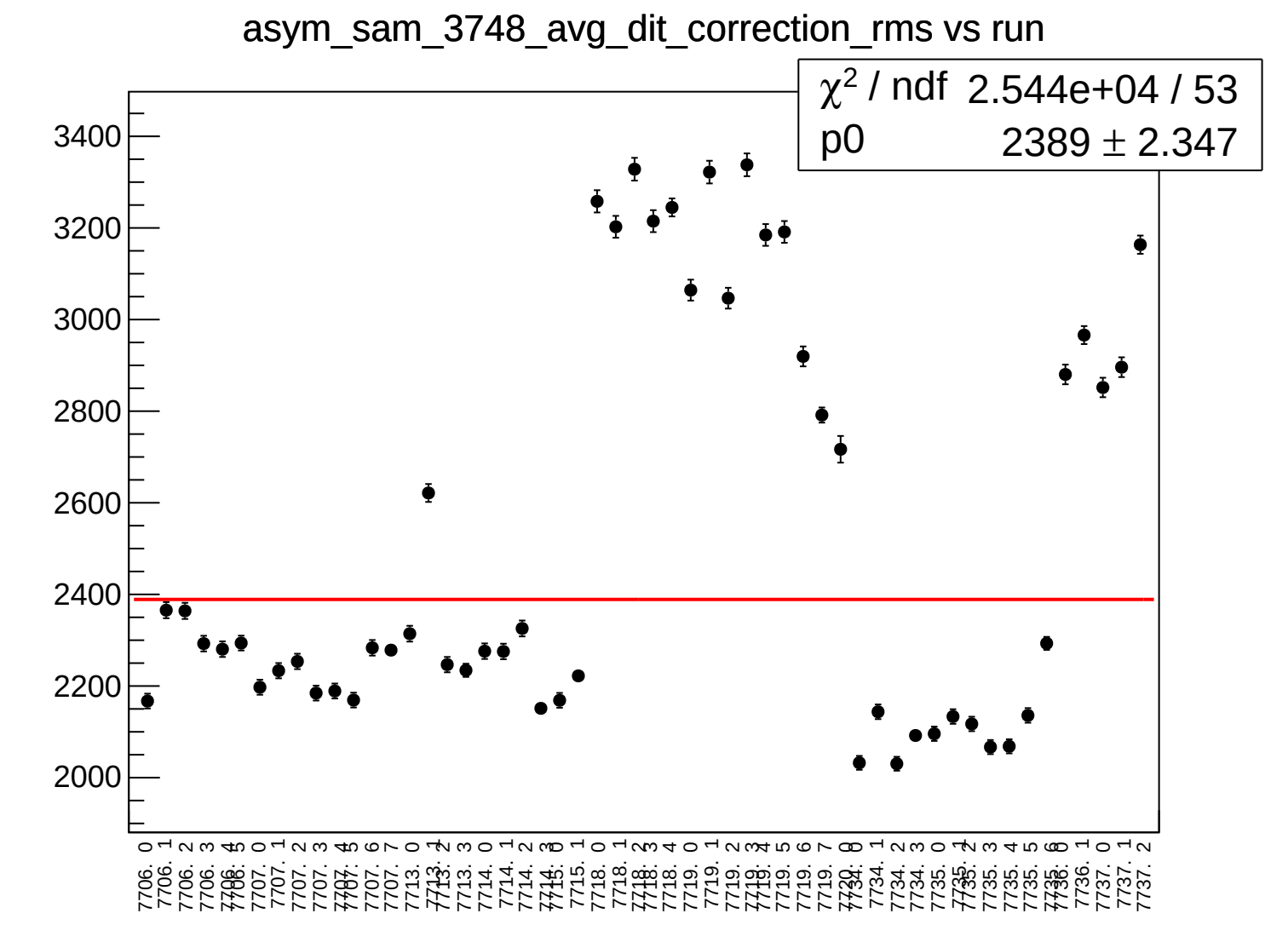

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 39.99 / 53
p0 −74.27 ± 289.3
pull
Entries 54
Mean 140.4
Std Dev 0

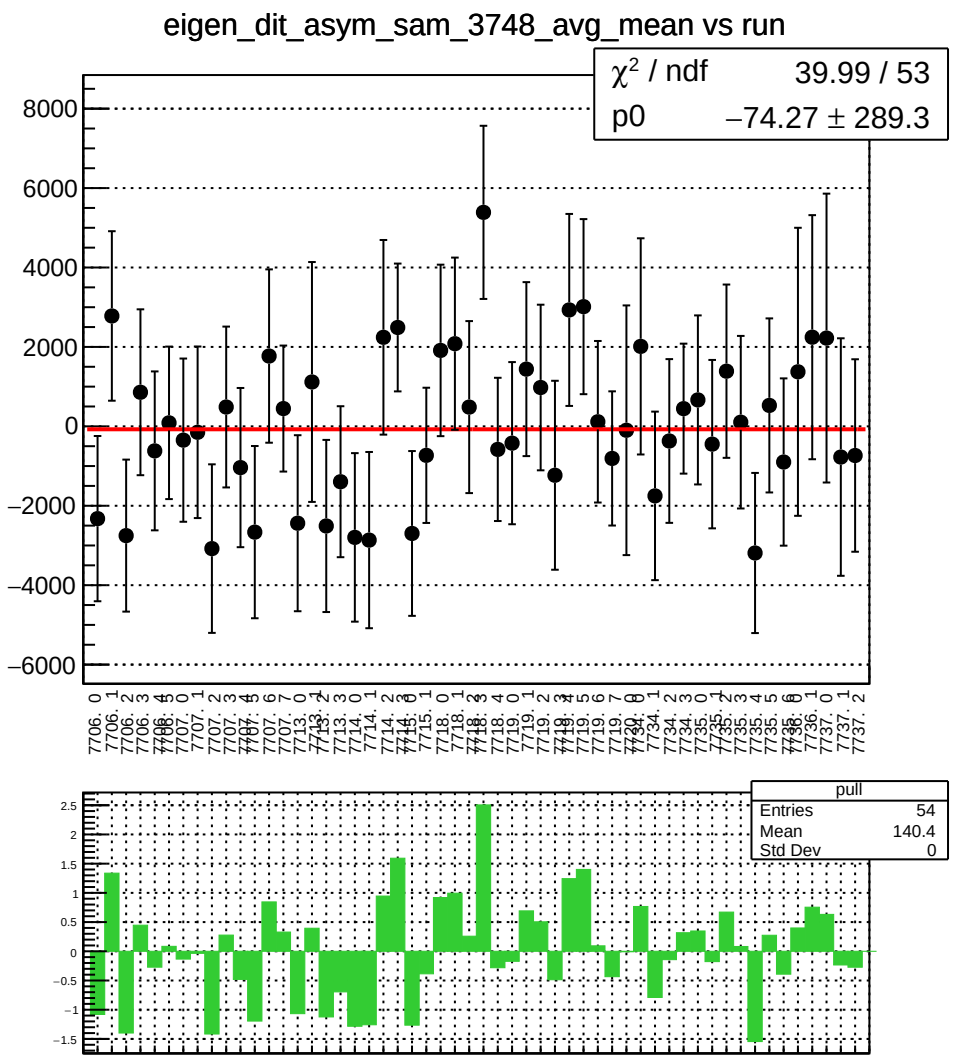

pull1D
Entries 54
Mean 0.02023
Std Dev 0.8604

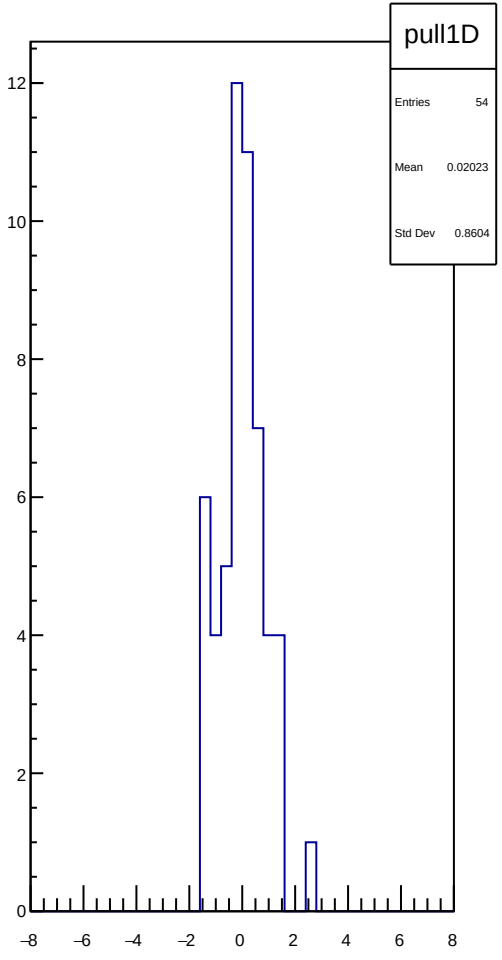

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.652e+04 / 53
p0 209.1 ± 0.2046
360
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

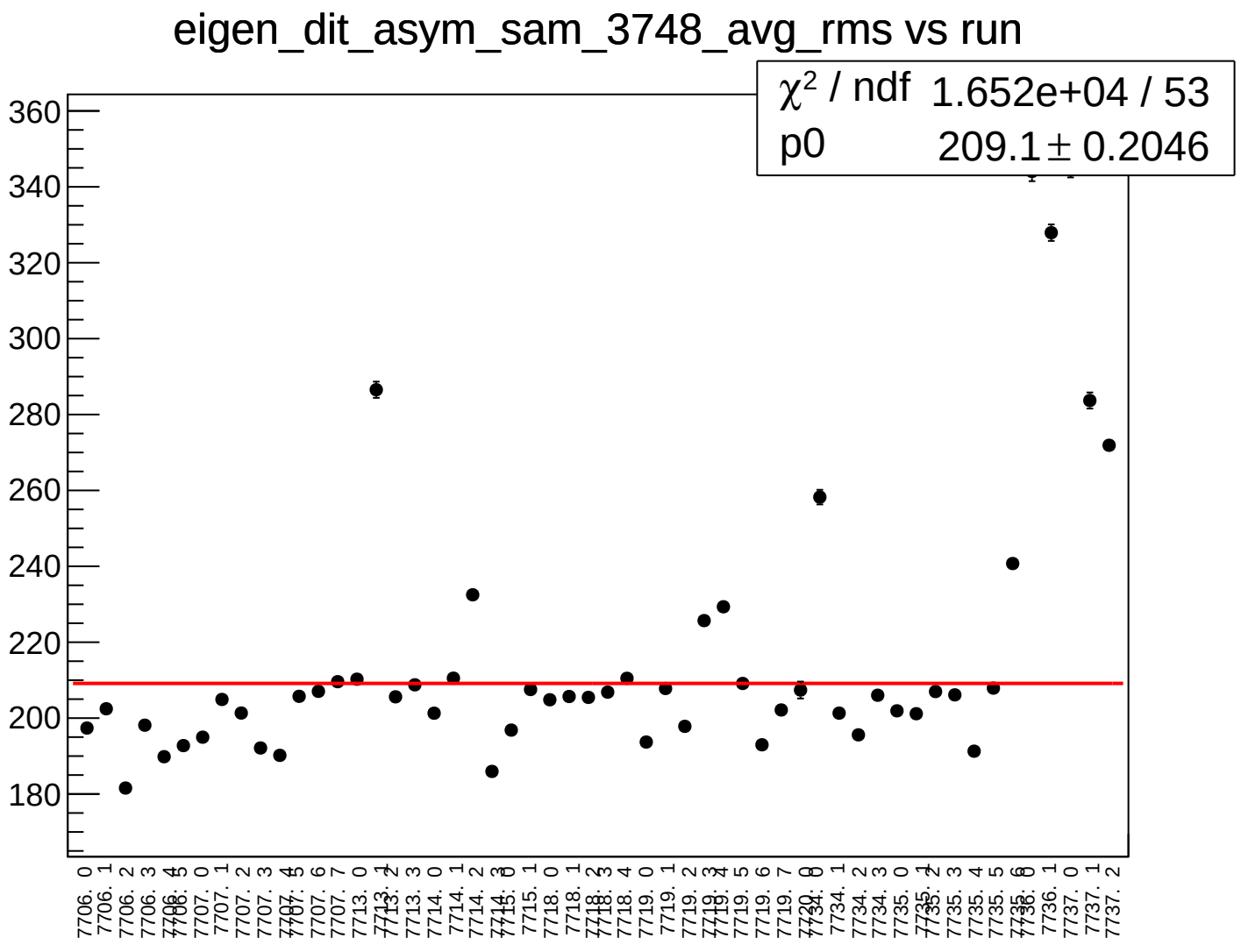

asym_sam_3748_avg_dit_correction_mean vs run
×10^3
χ² / ndf 36.02 / 53
p0 1170 ± 3319
pull
Entries 54
Mean 690.8
Std Dev 0

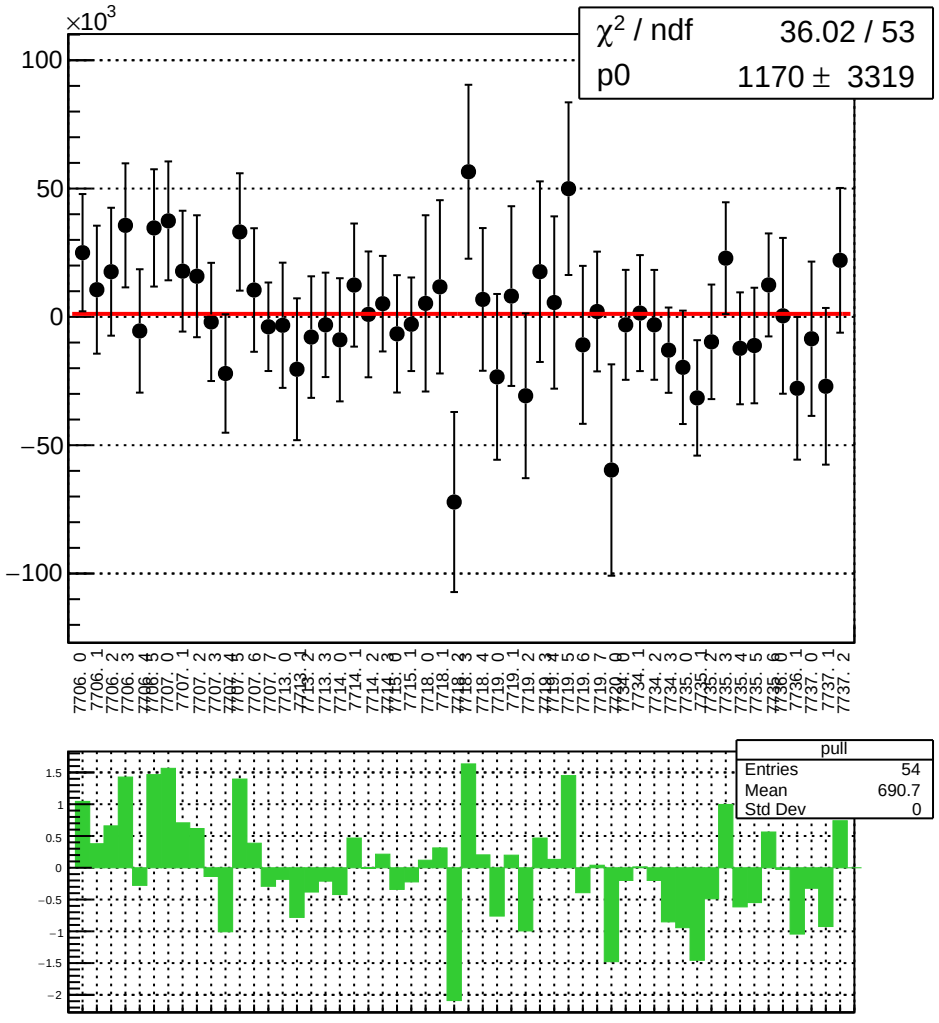

pull1D
Entries 54
Mean −0.007192
Std Dev 0.8167

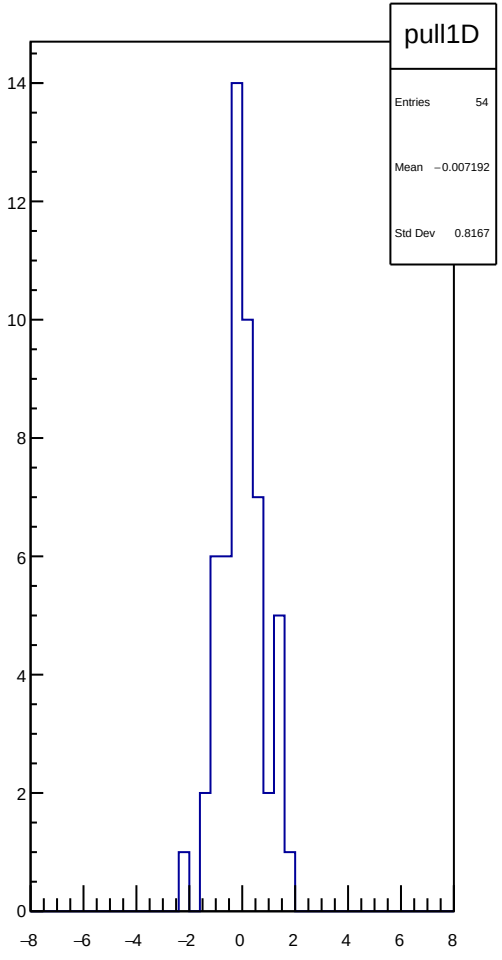

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2.544e+04 / 53
p0 2389 ± 2.347
3400
3200
3000
2800
2600
2400
2200
2000

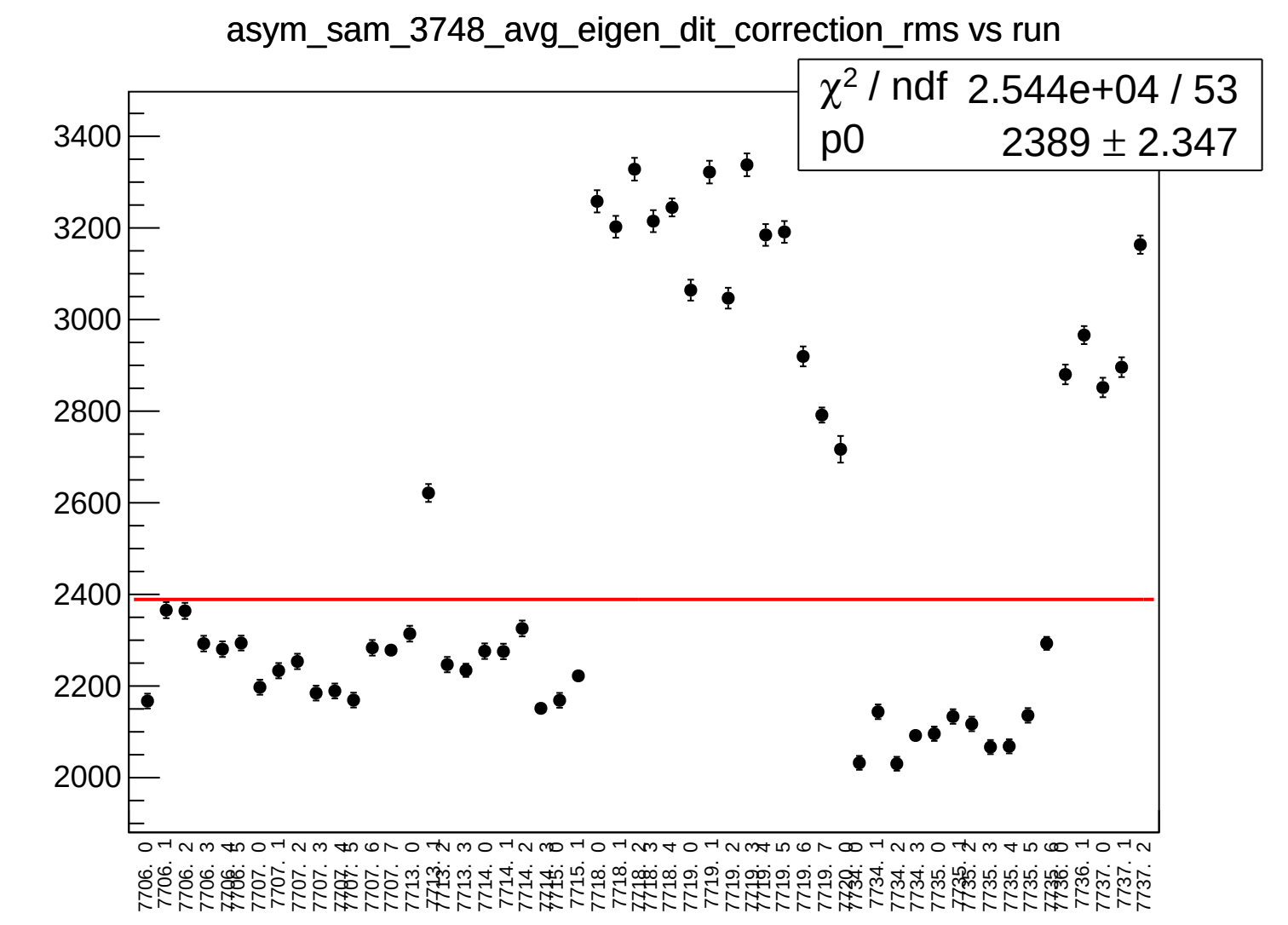

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 39.99 / 53
p0 −74.27 ± 289.3
pull
Entries 54
Mean 140.4
Std Dev 0

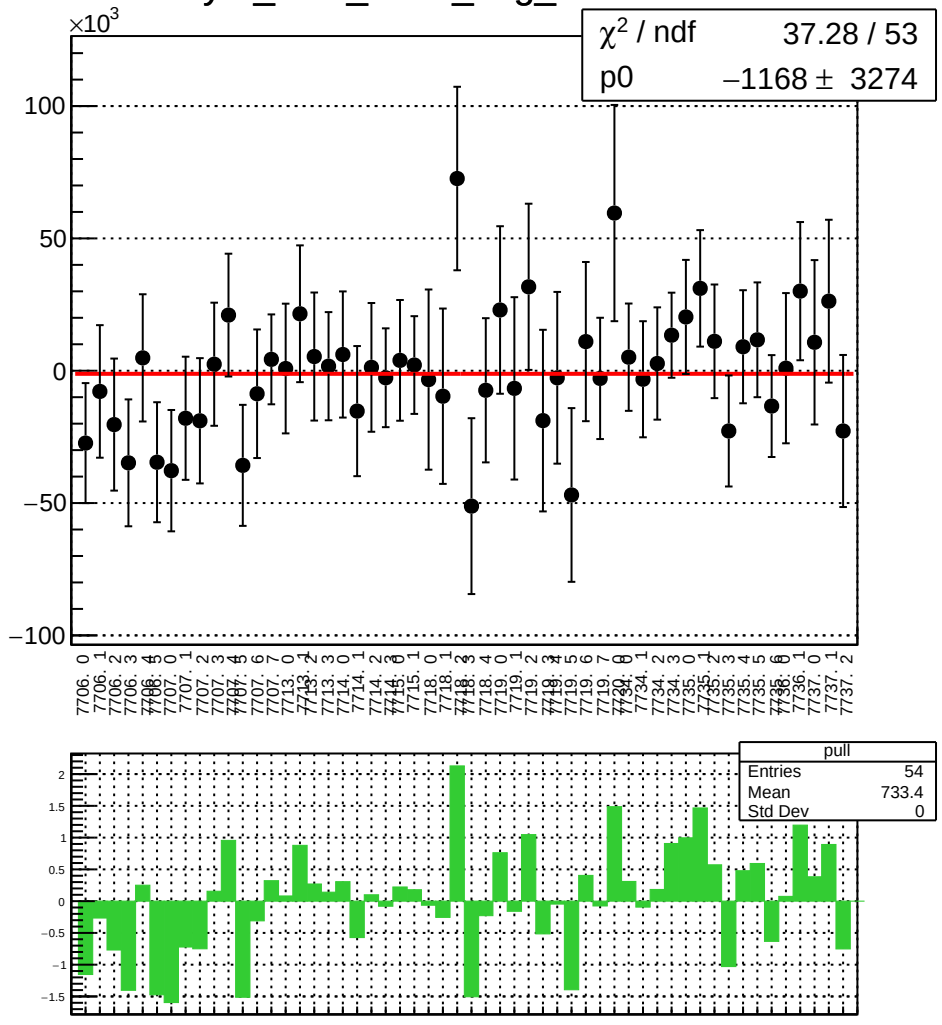

pull1D
Entries 54
Mean 0.02023
Std Dev 0.8604

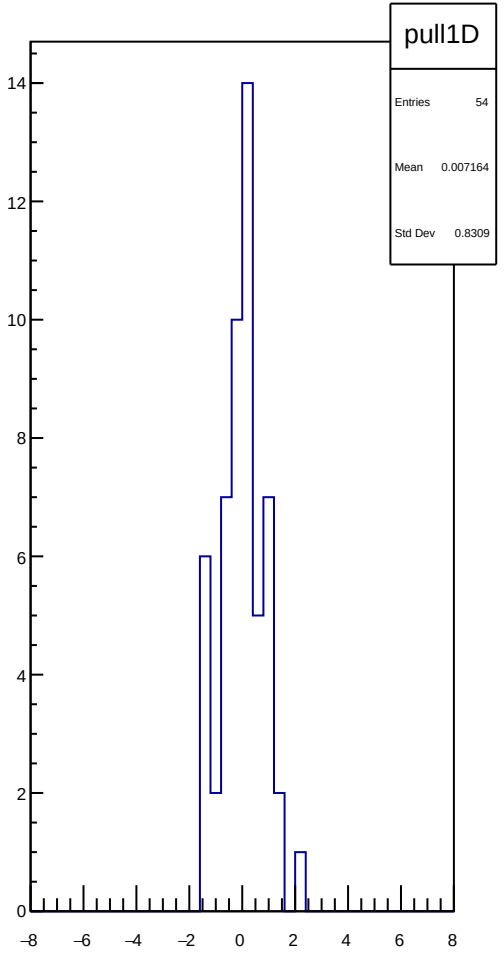

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.652e+04 / 53
p0 209.1 ± 0.2046
360
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

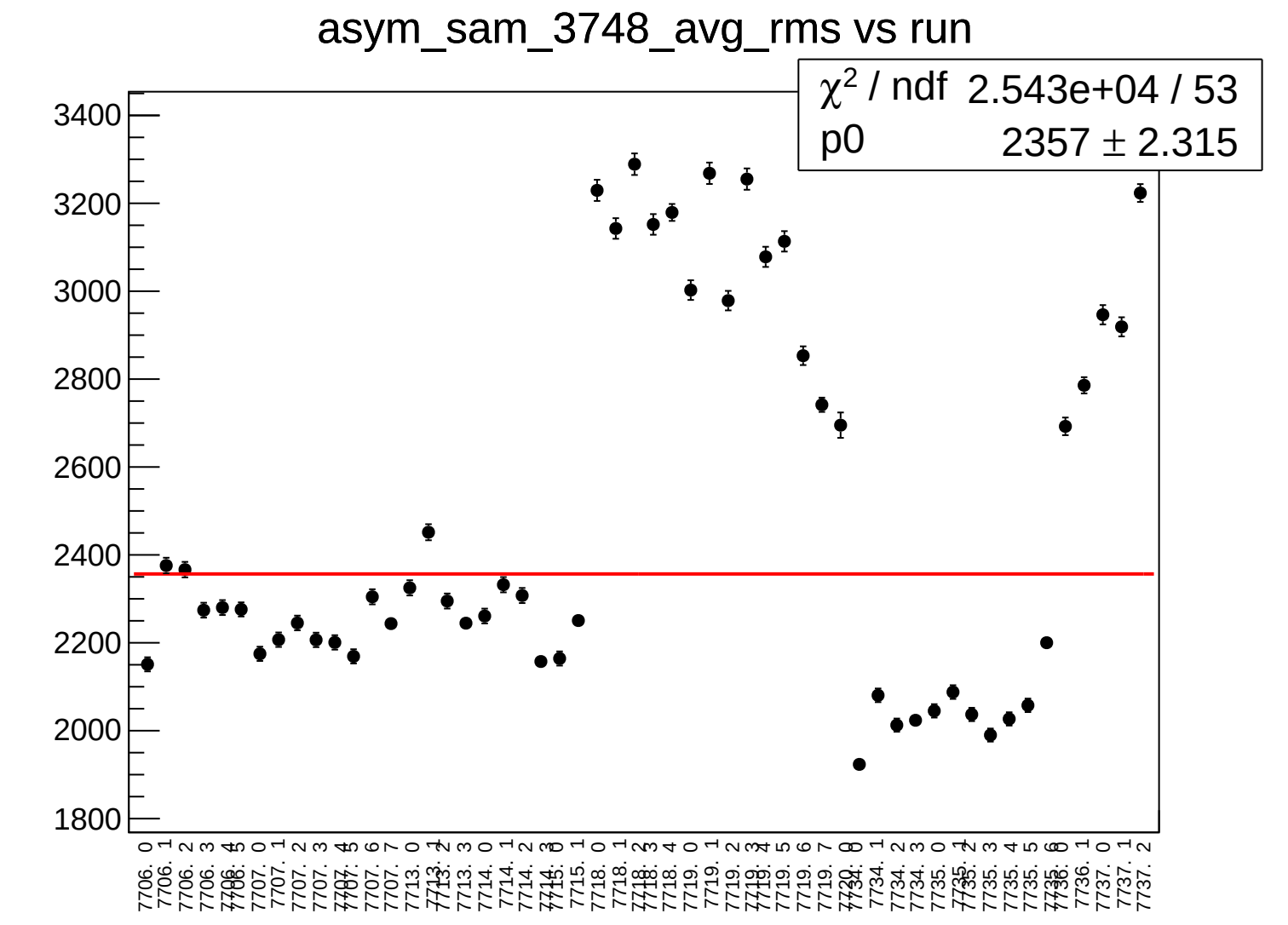

asym_sam_3748_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.02 / 53
p0 1170 ± 3319
100
50
0
−50
−100
pull
Entries 54
Mean 690.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

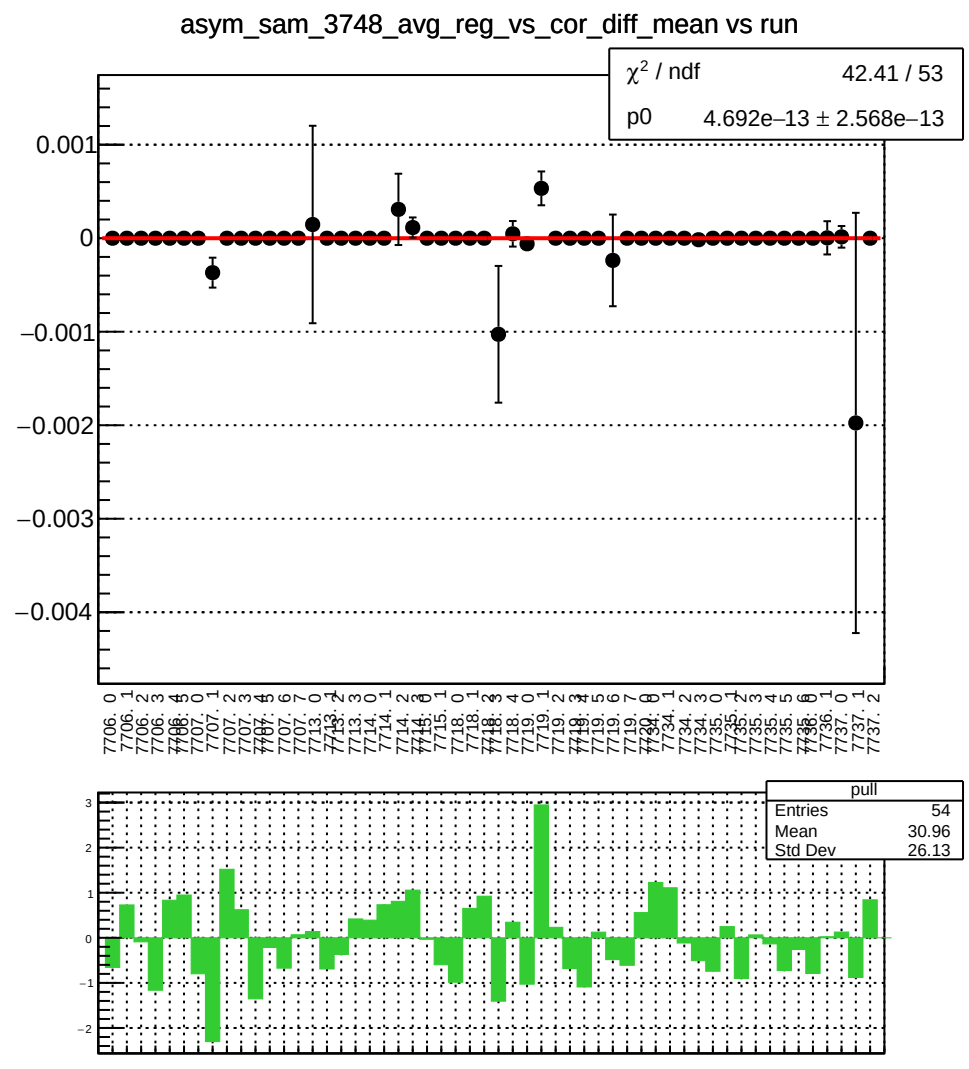

pull1D
Entries 54
Mean −0.007192
Std Dev 0.8167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

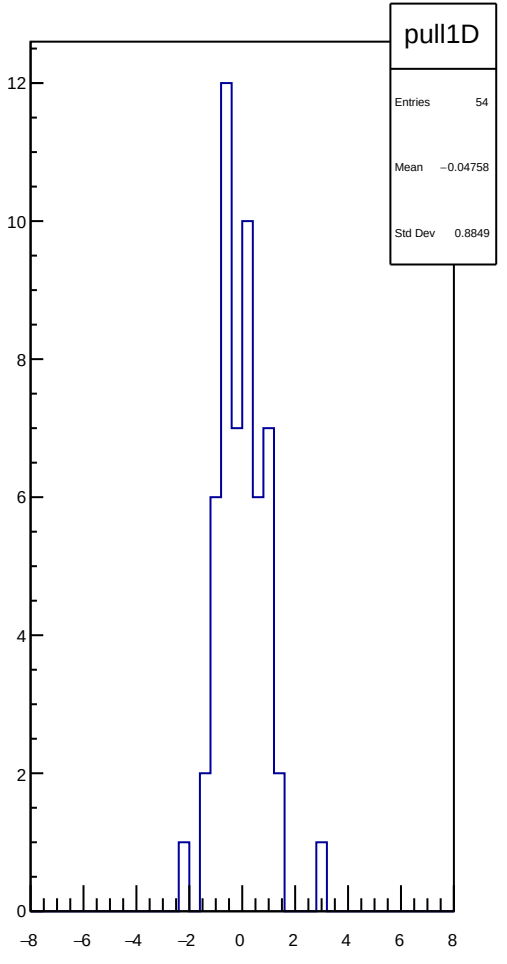

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.544e+04 / 53
p0 2389 ± 2.347
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

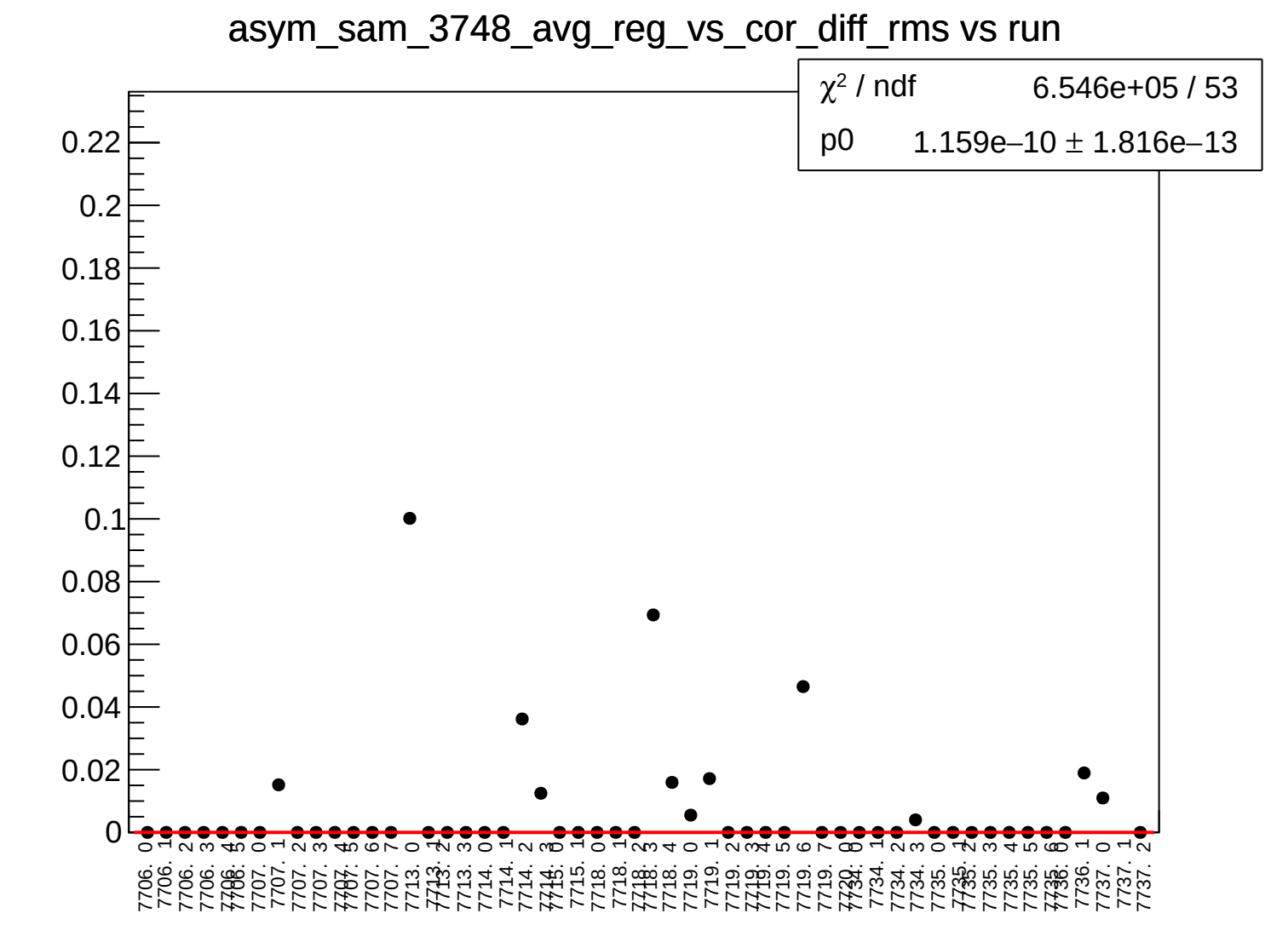

asym_sam_3748_avg_mean vs run
χ² / ndf 37.28 / 53
p0 −1168 ± 3274
×10³
pull
Entries 54
Mean 733.4
Std Dev 0

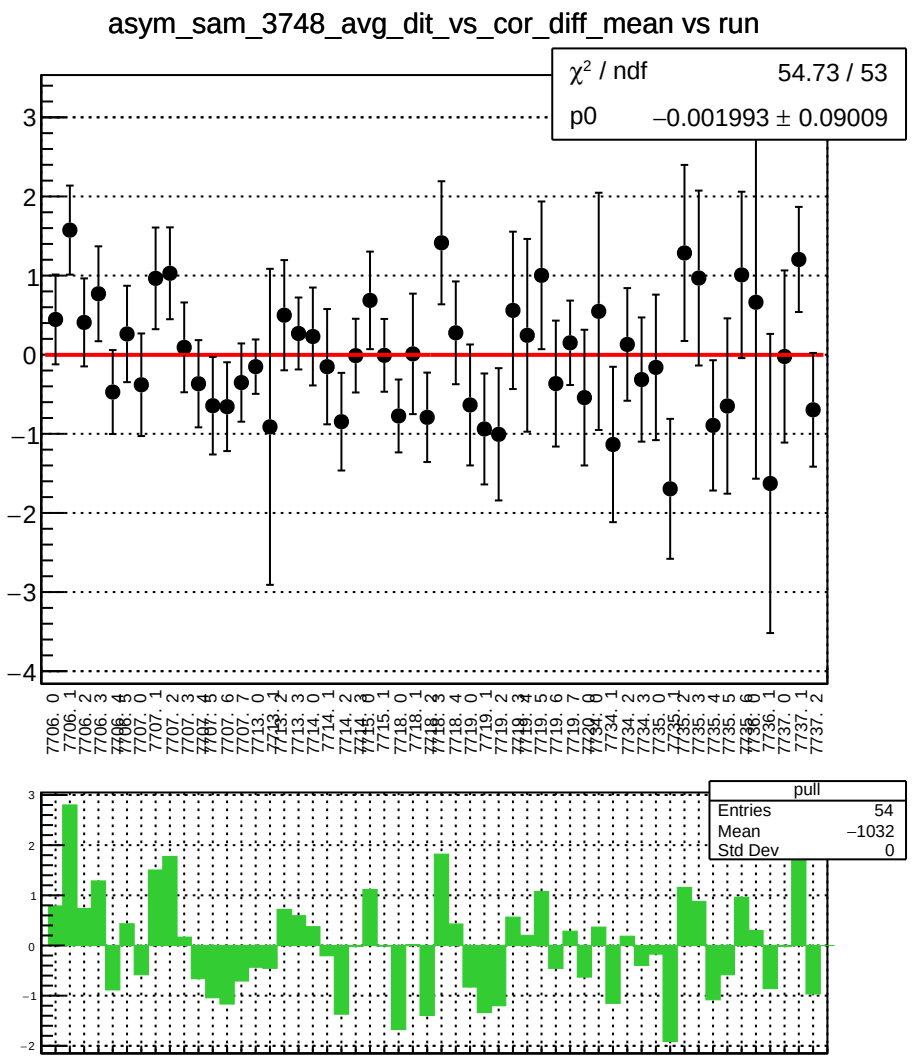

pull1D
Entries 54
Mean 0.007164
Std Dev 0.8309

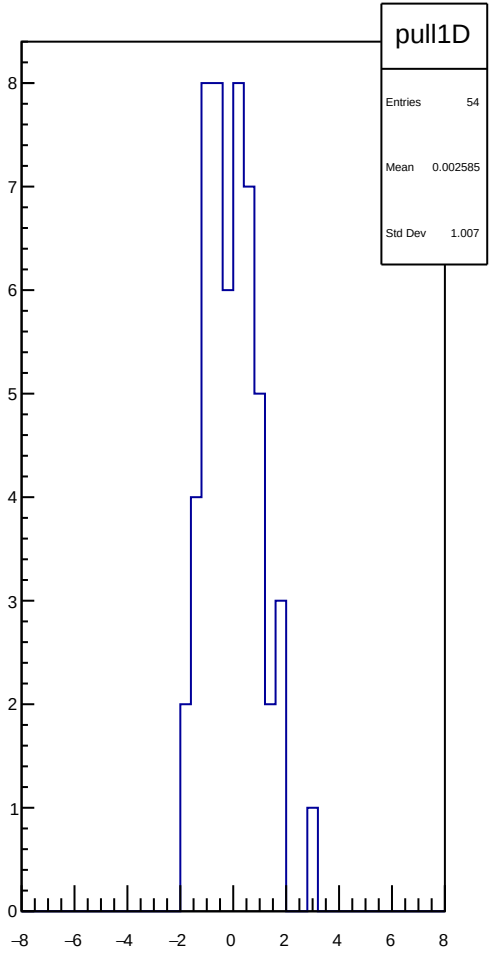

asym_sam_3748_avg_rms vs run
χ² / ndf 2.543e+04 / 53
p0 2357 ± 2.315
3400
3200
3000
2800
2600
2400
2200
2000
1800

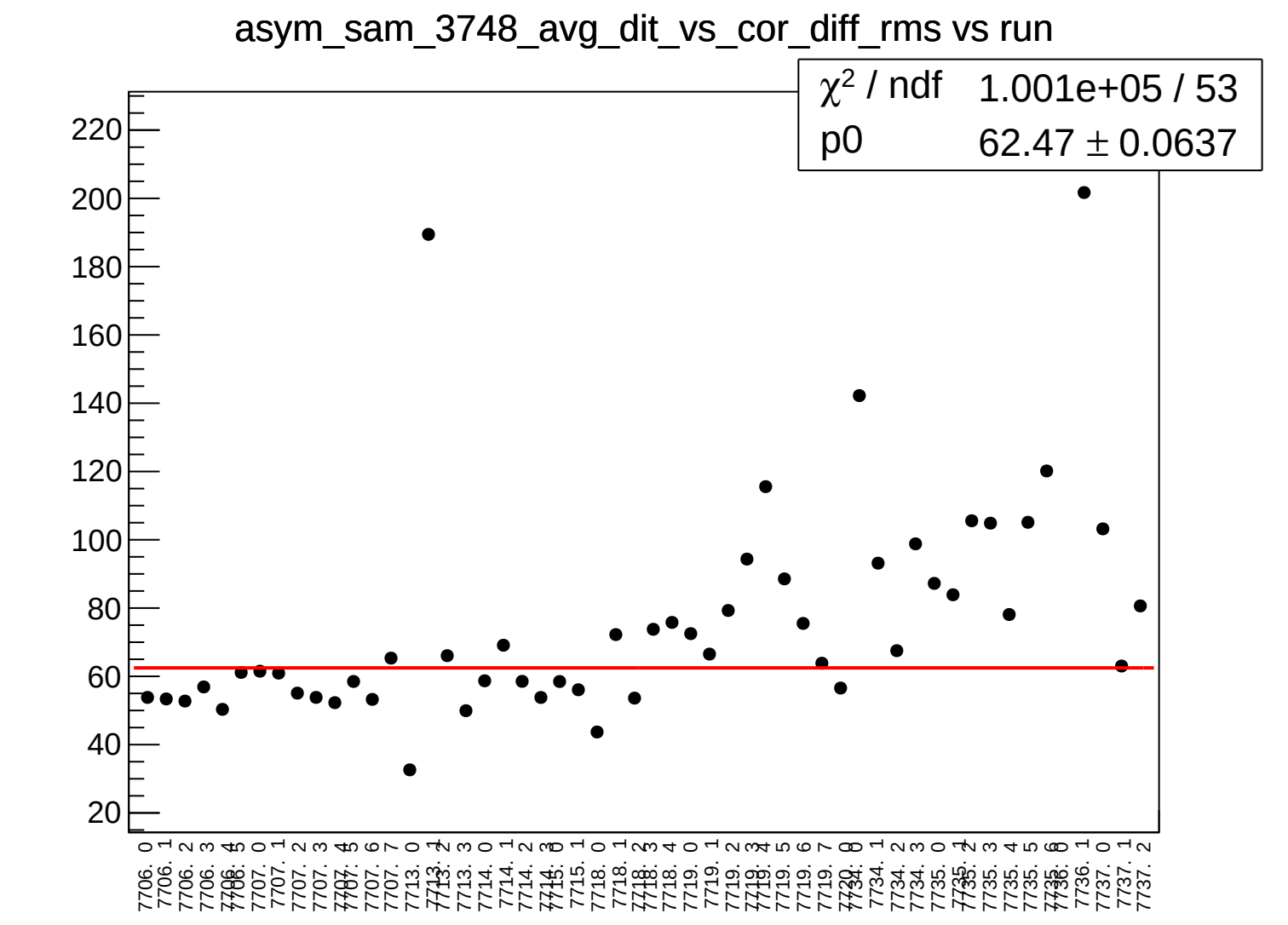

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.41 / 53
p0 4.692e−13 ± 2.568e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean 30.96
Std Dev 26.13
3
2
1
0
−1
−2

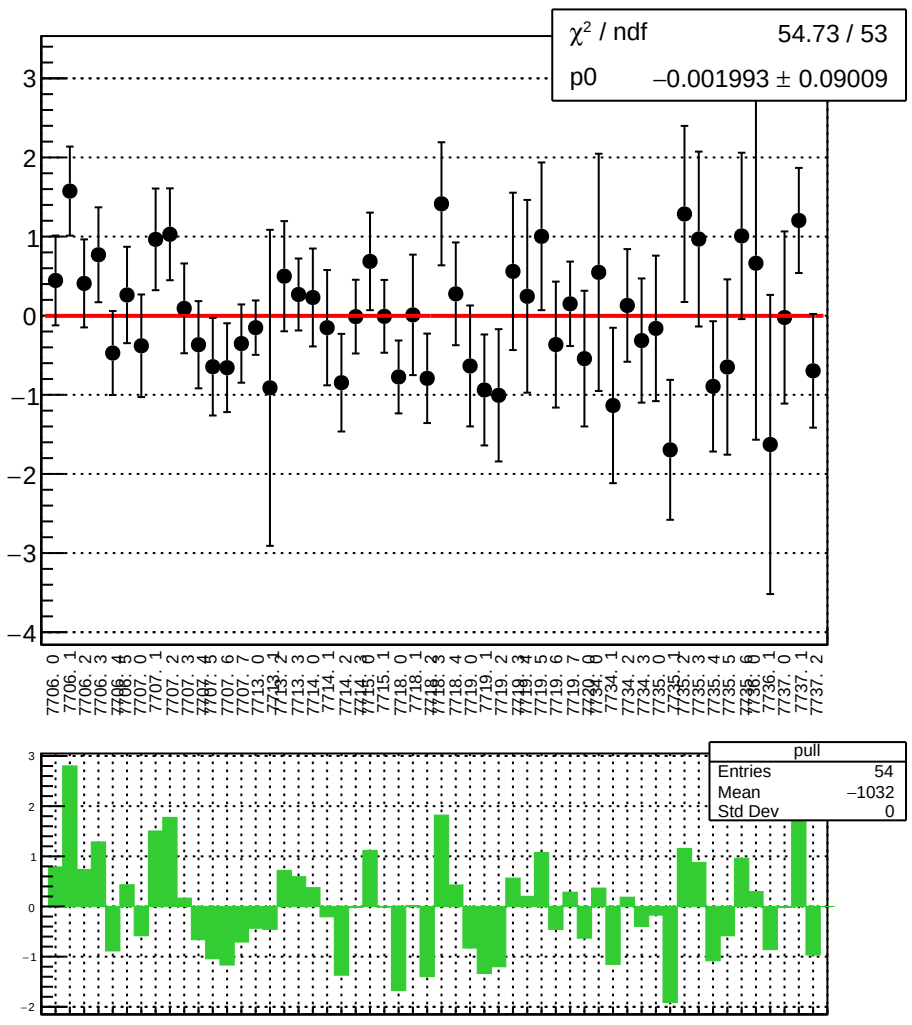

pull1D
Entries 54
Mean −0.04758
Std Dev 0.8849
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

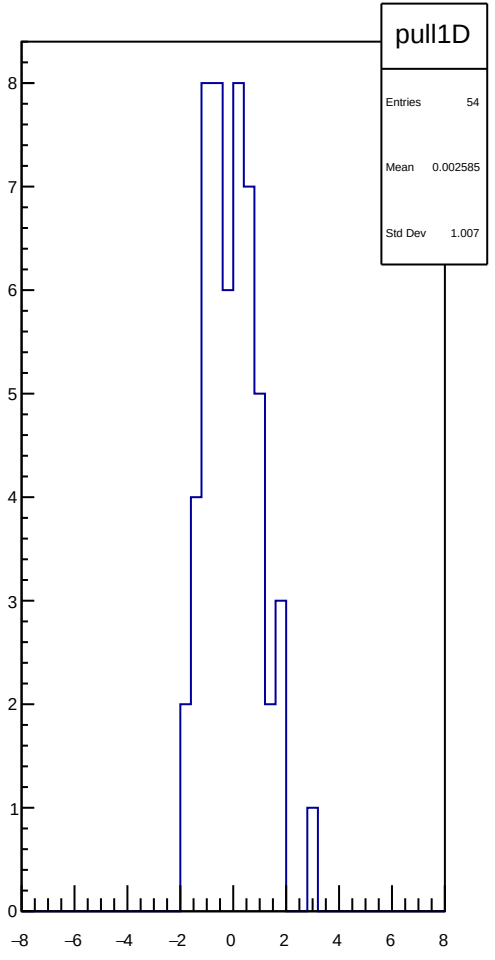

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.546e+05 / 53
p0 1.159e−10 ± 1.816e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

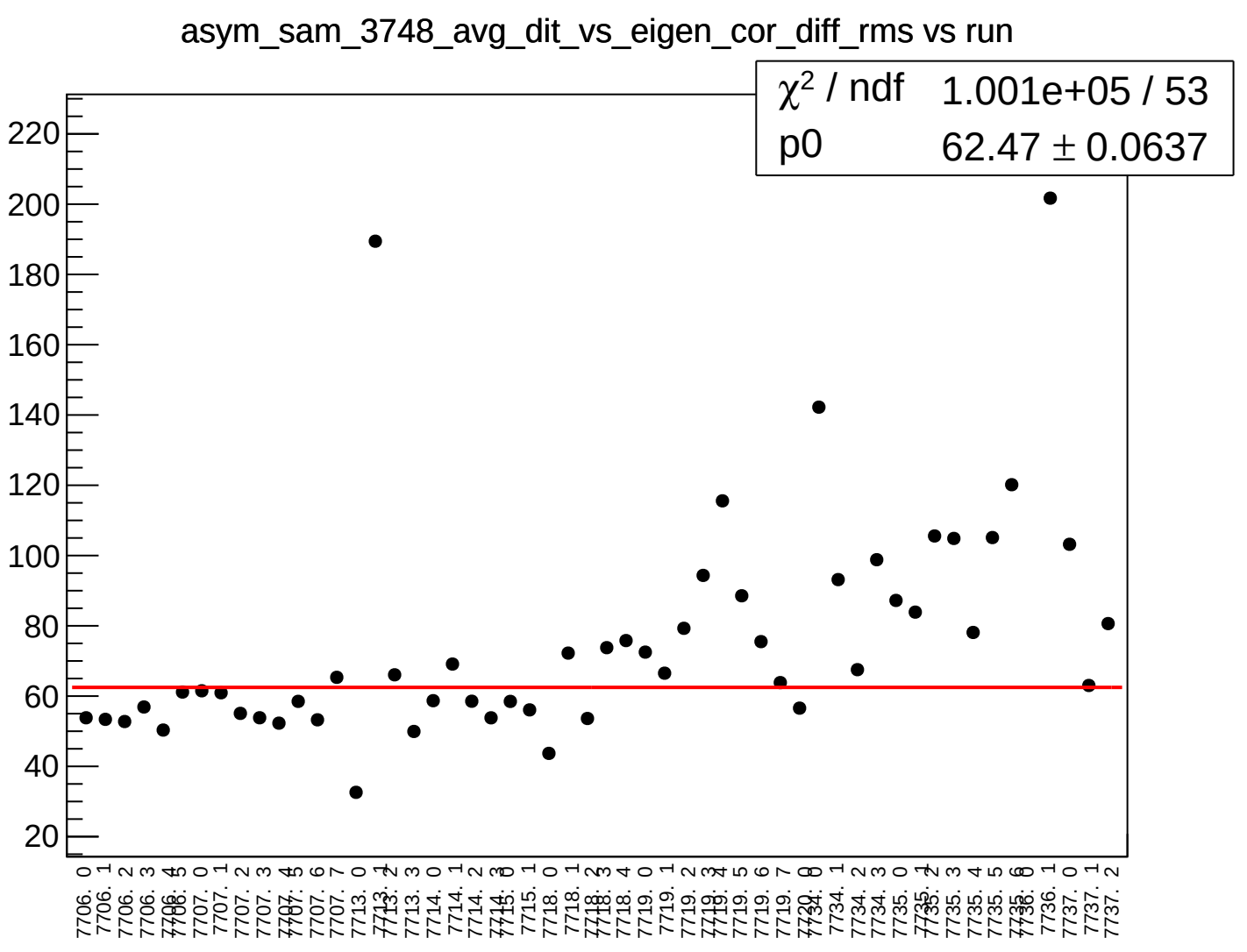

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.73 / 53
p0 −0.001993 ± 0.09009
pull
Entries 54
Mean −1032
Std Dev 0

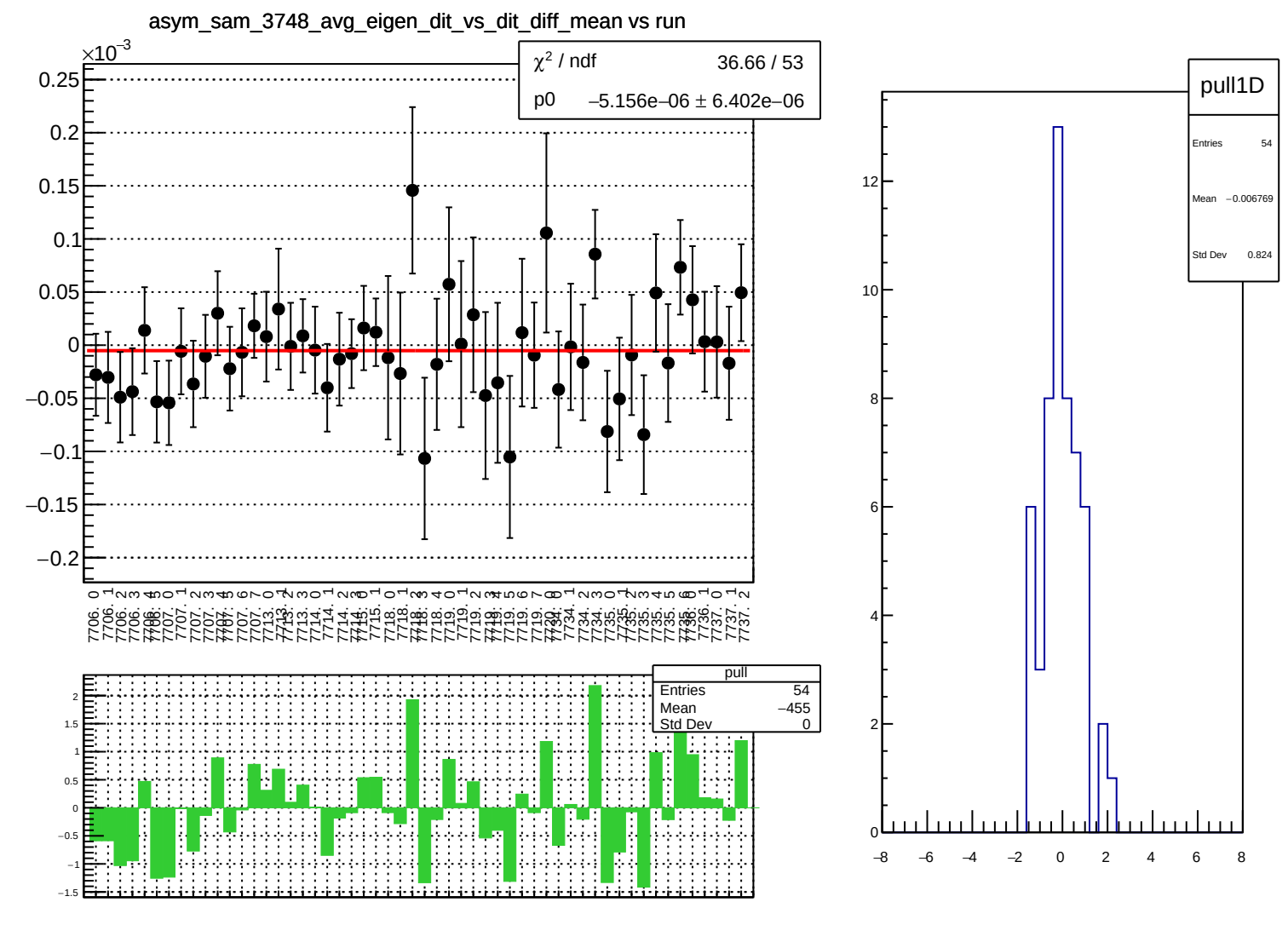

pull1D
Entries 54
Mean 0.002585
Std Dev 1.007

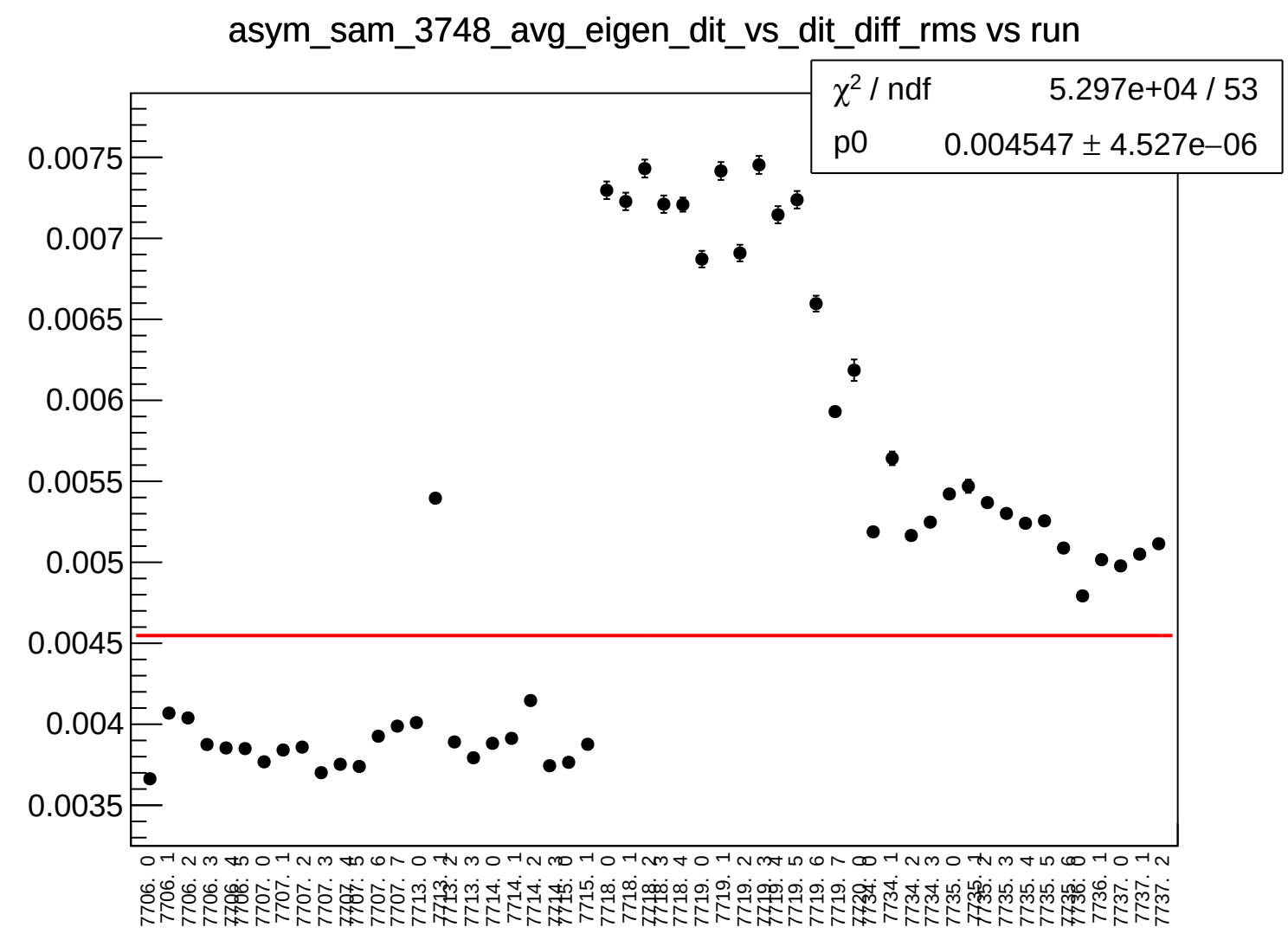

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 53
p0 62.47 ± 0.0637
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

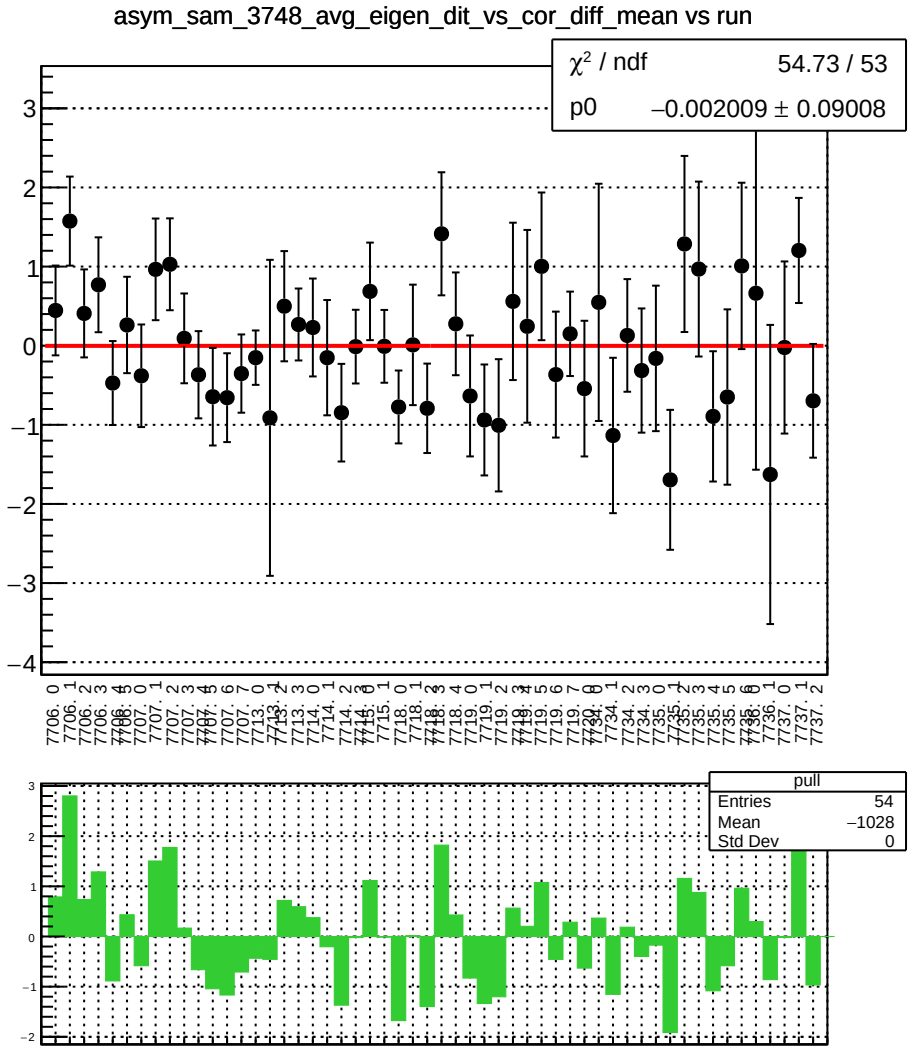

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.73 / 53
p0 −0.001993 ± 0.09009
pull
Entries 54
Mean −1032
Std Dev 0

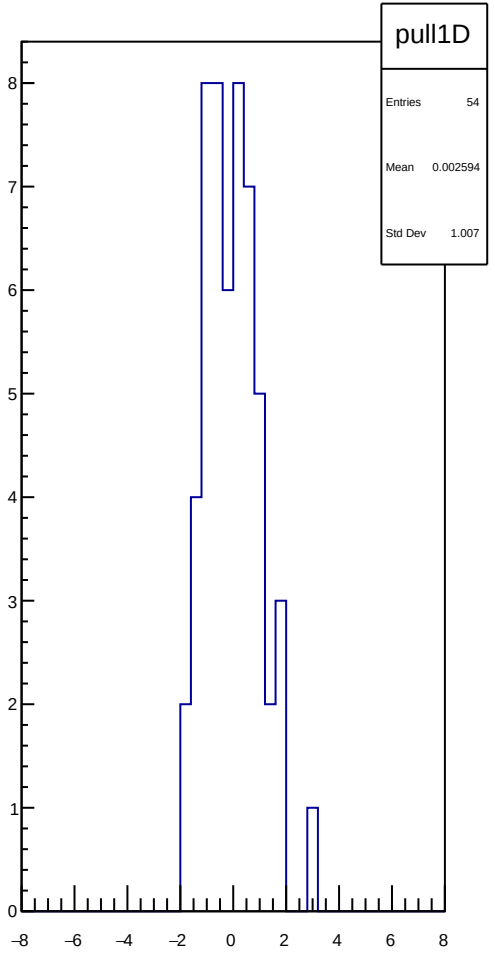

pull1D
Entries 54
Mean 0.002585
Std Dev 1.007

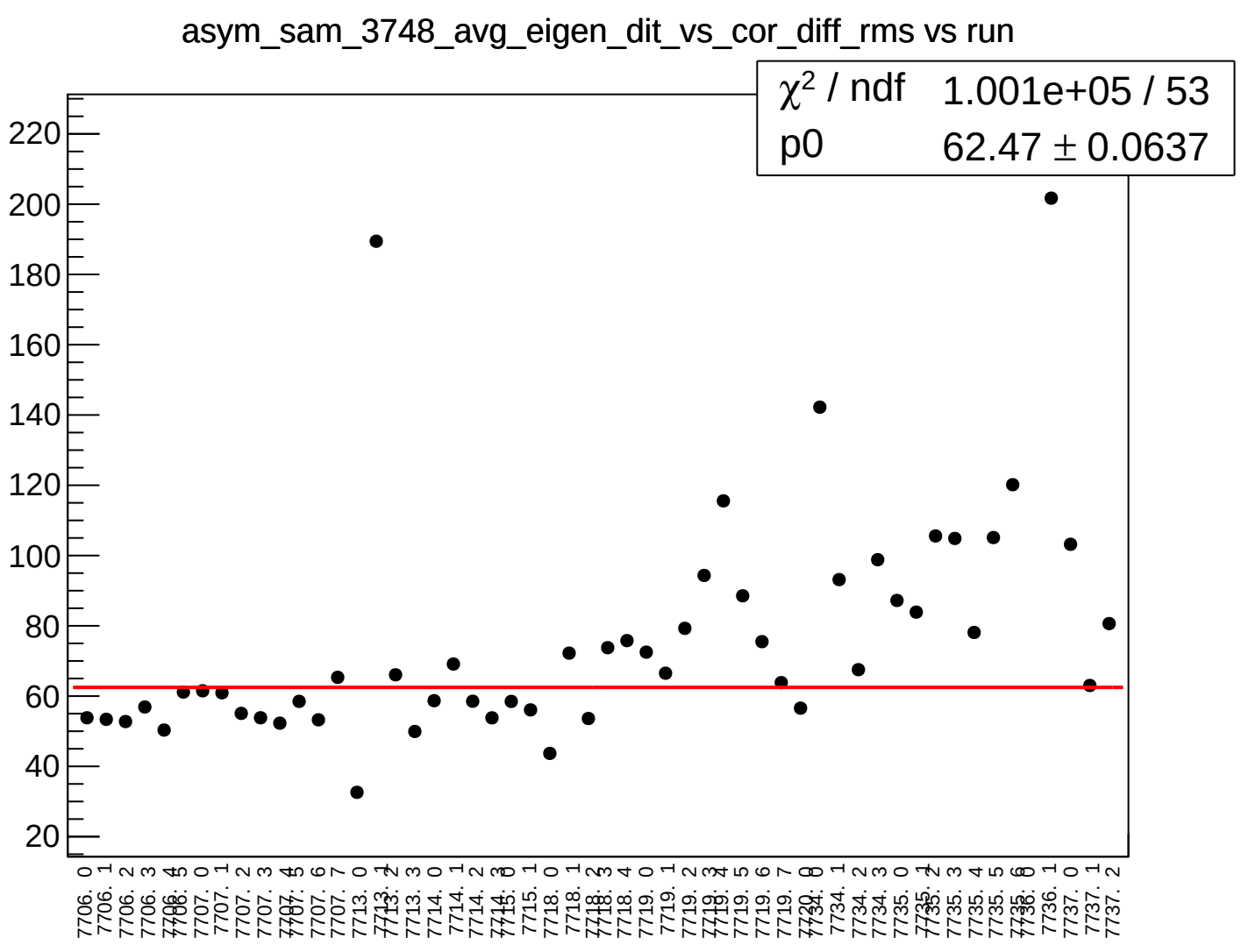

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 53
p0 62.47 ± 0.0637
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.66 / 53
p0 −5.156e−06 ± 6.402e−06
pull
Entries 54
Mean −455
Std Dev 0
pull1D
Entries 54
Mean −0.006769
Std Dev 0.824

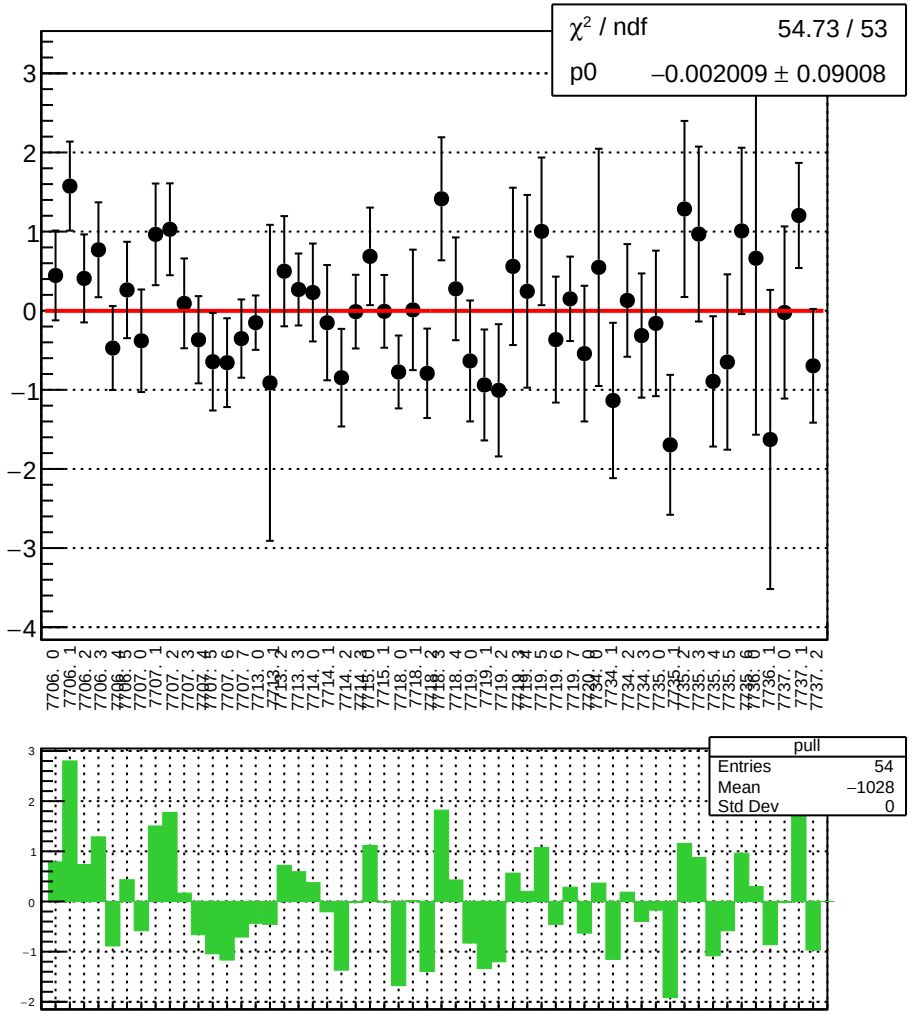

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.297e+04 / 53
p0 0.004547 ± 4.527e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035

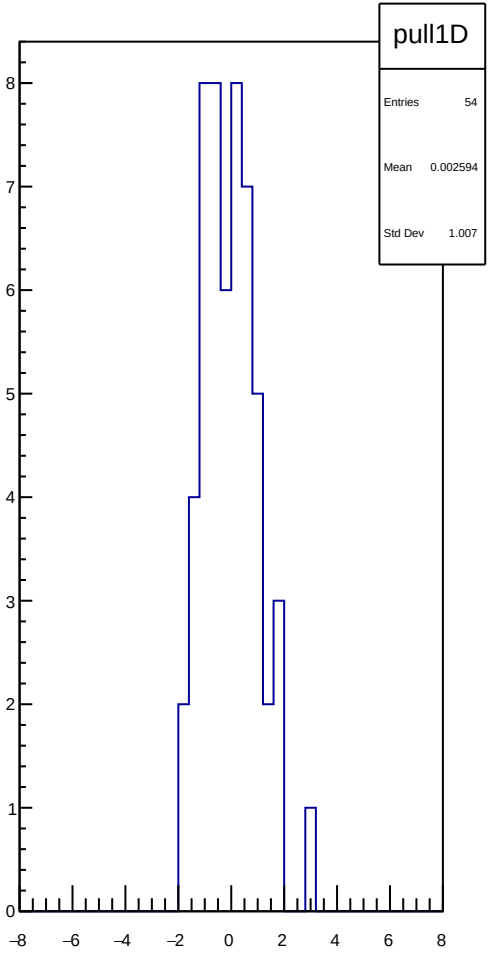

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.73 / 53
p0 −0.002009 ± 0.09008
pull
Entries 54
Mean −1028
Std Dev 0

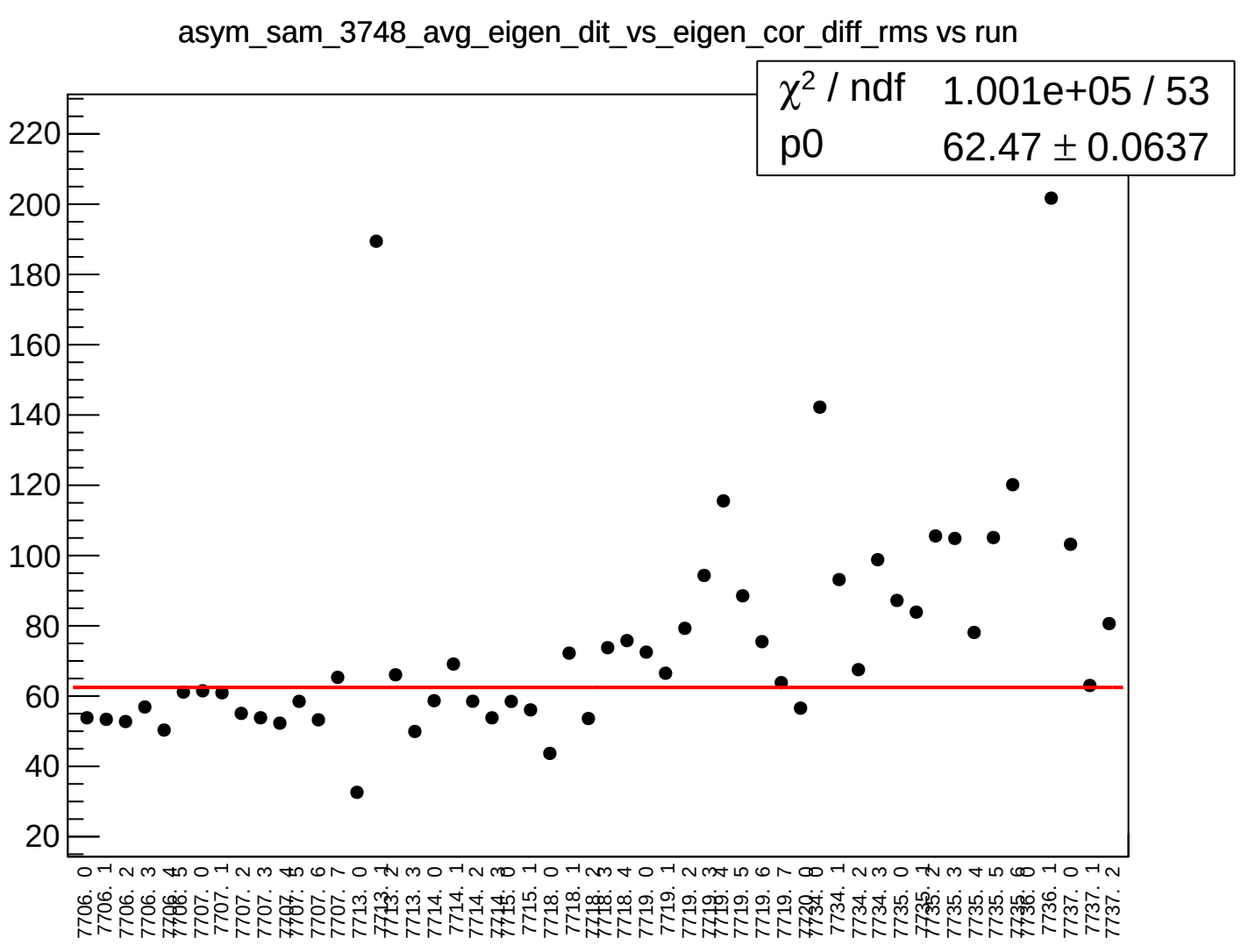

pull1D
Entries 54
Mean 0.002594
Std Dev 1.007

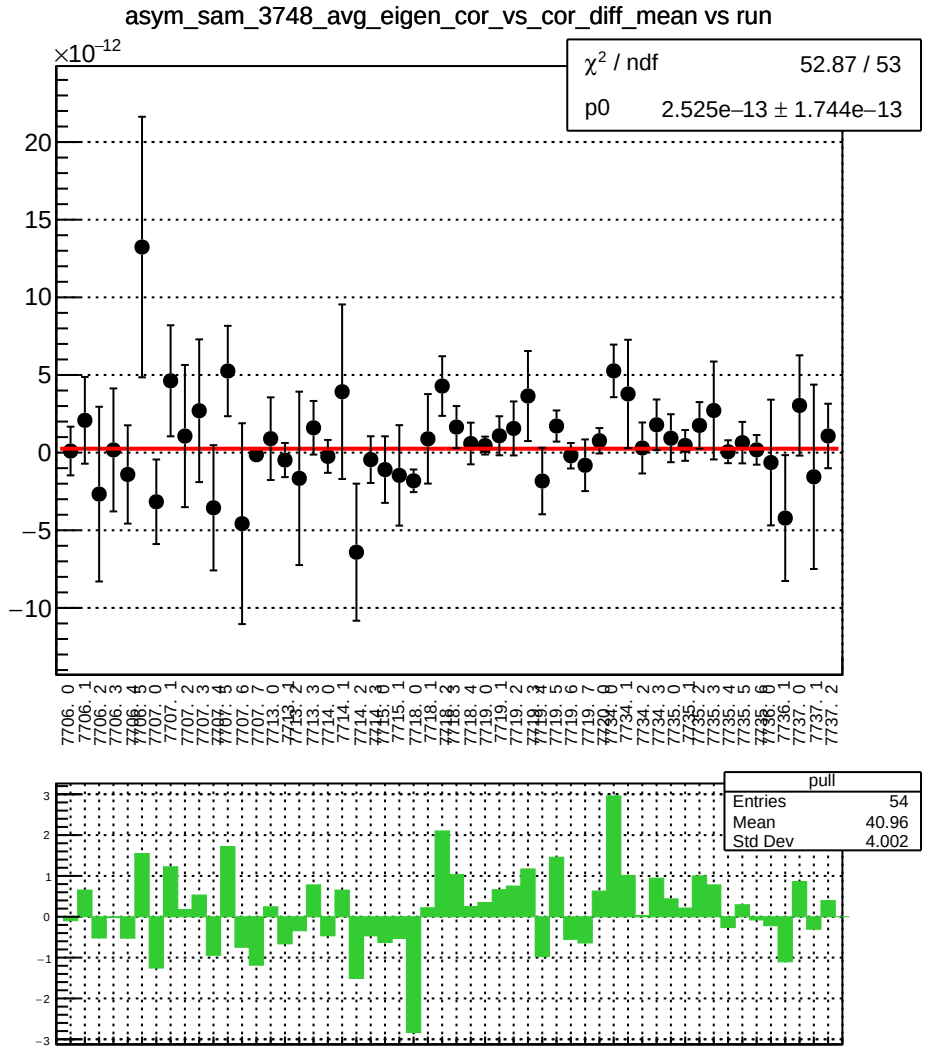

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 53
p0 62.47 ± 0.0637
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

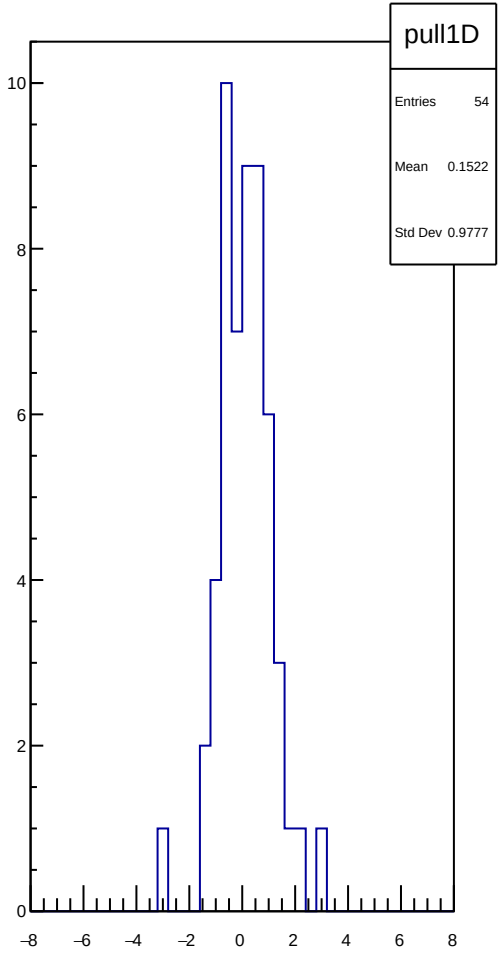
asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

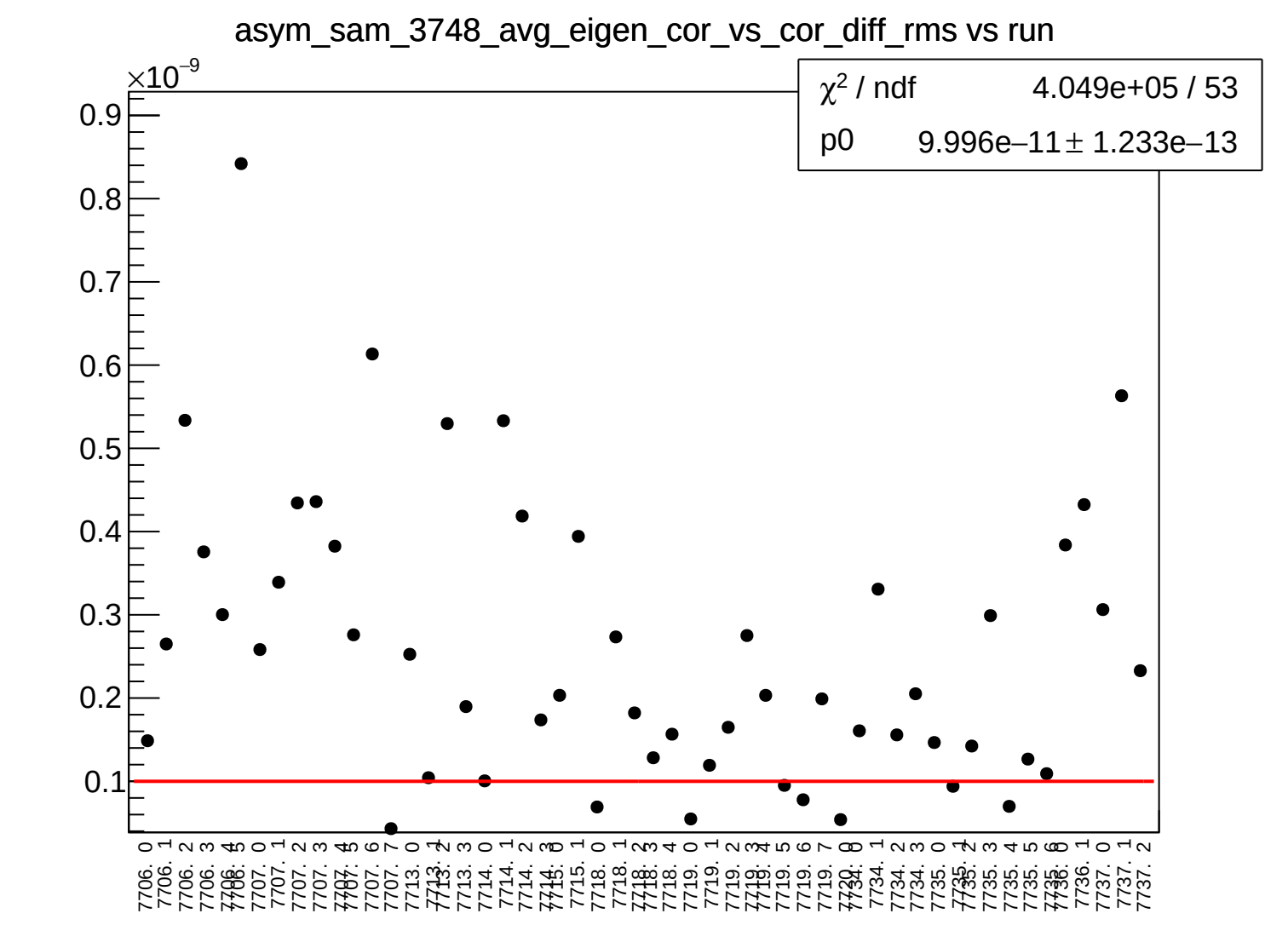


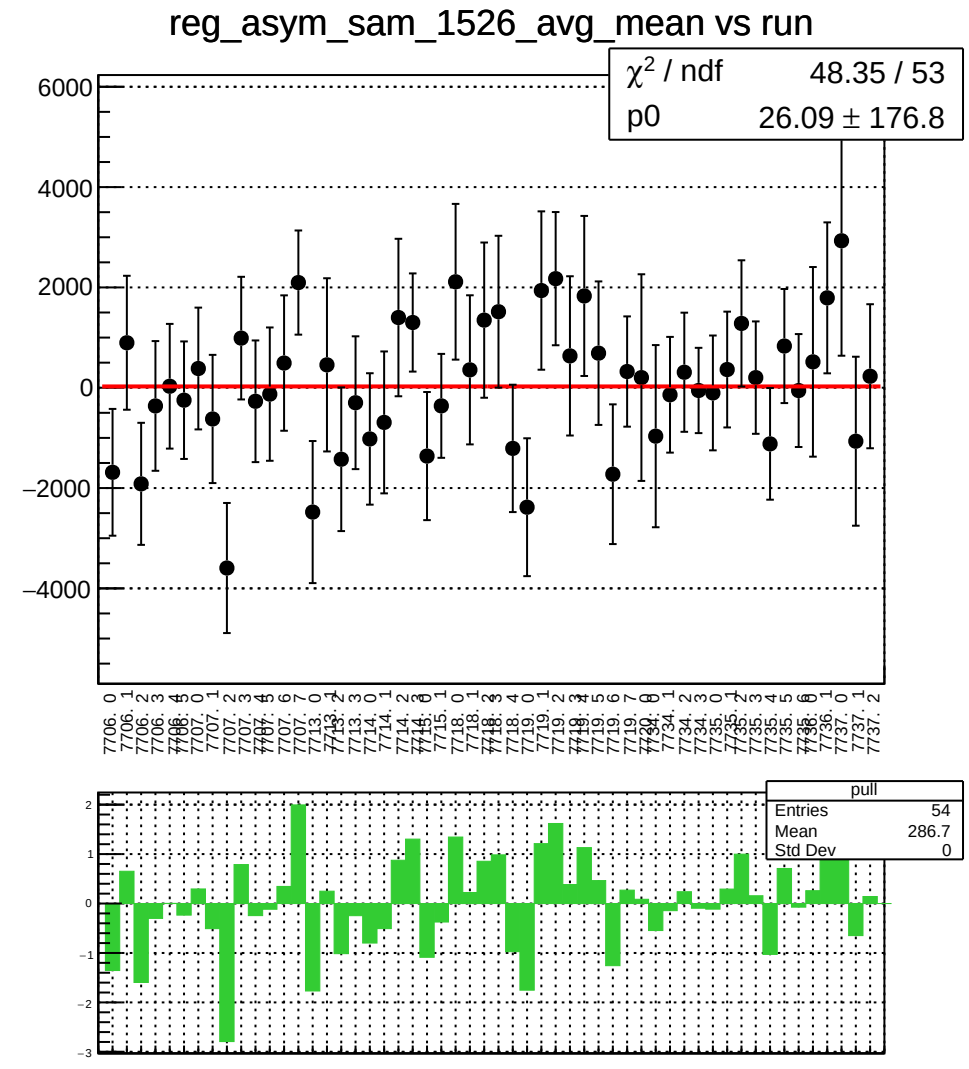


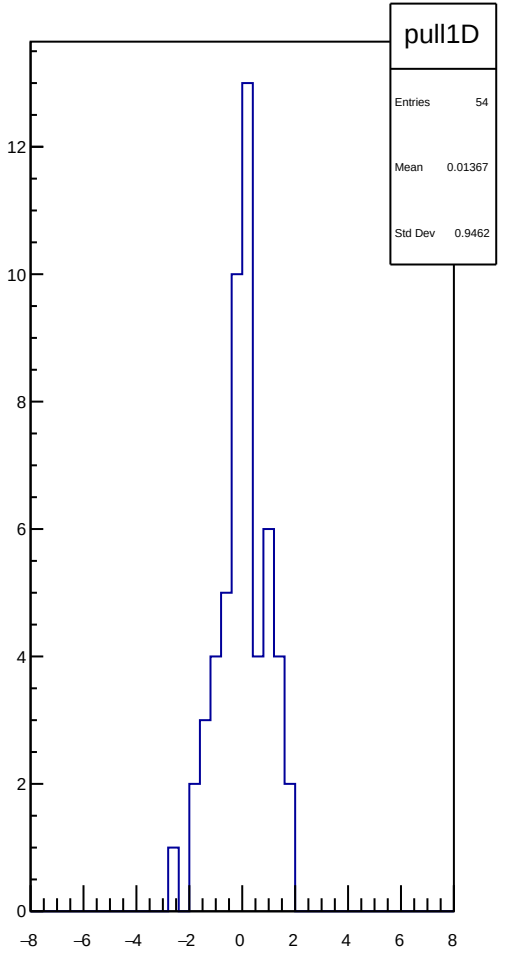

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 53
p0 62.47 ± 0.0637
220
200
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

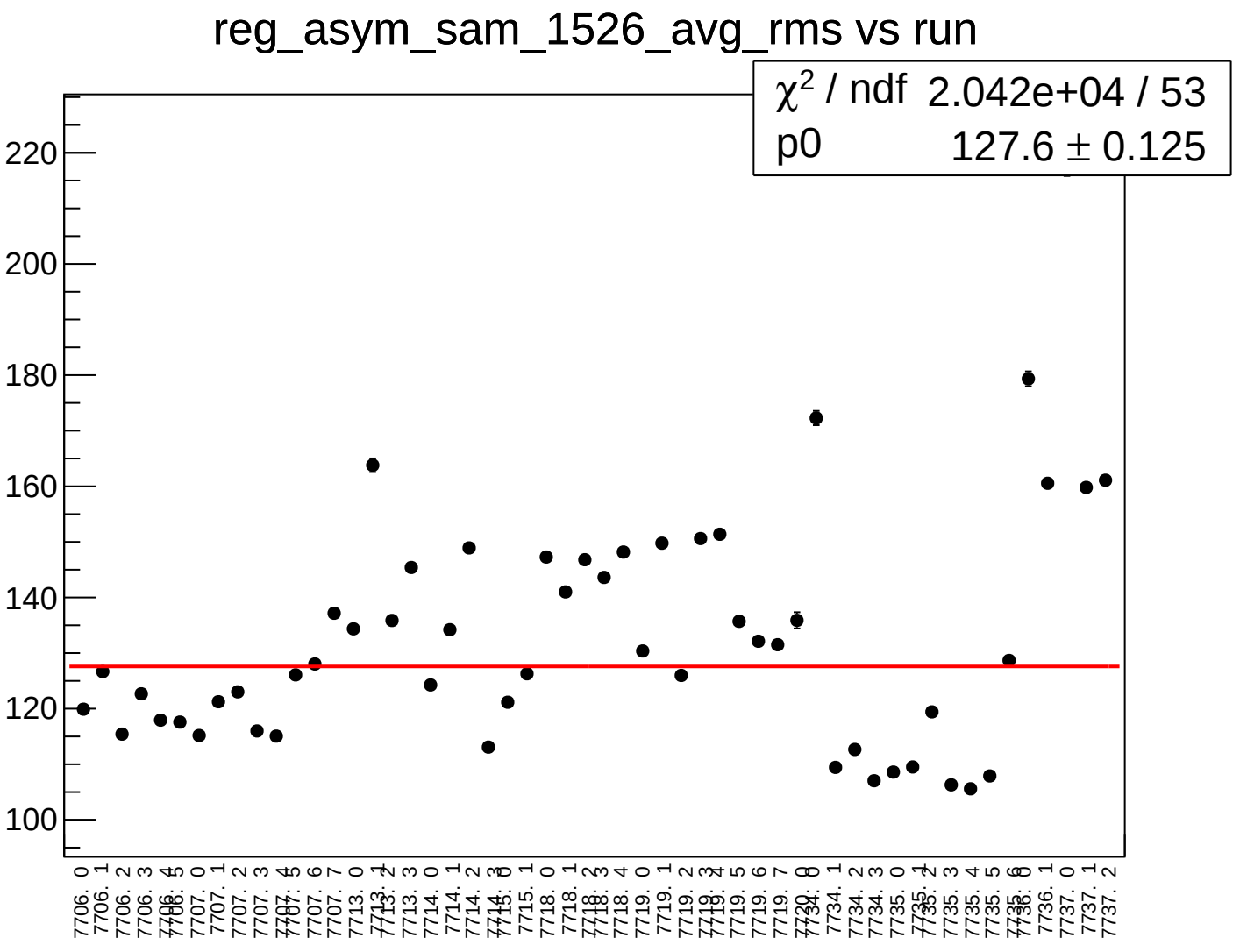

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.87 / 53
p0 2.525e−13 ± 1.744e−13
pull
Entries 54
Mean 40.96
Std Dev 4.002

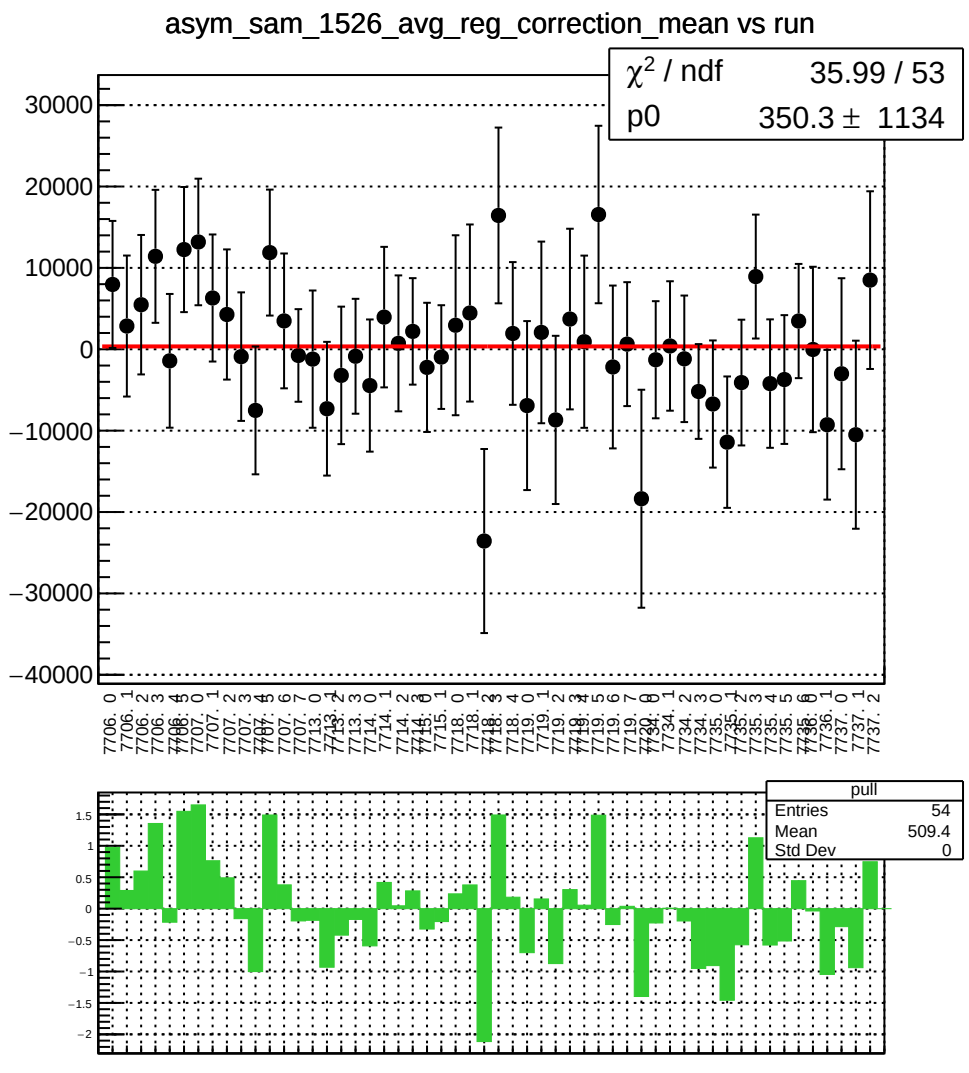

pull1D
Entries 54
Mean 0.1522
Std Dev 0.9777

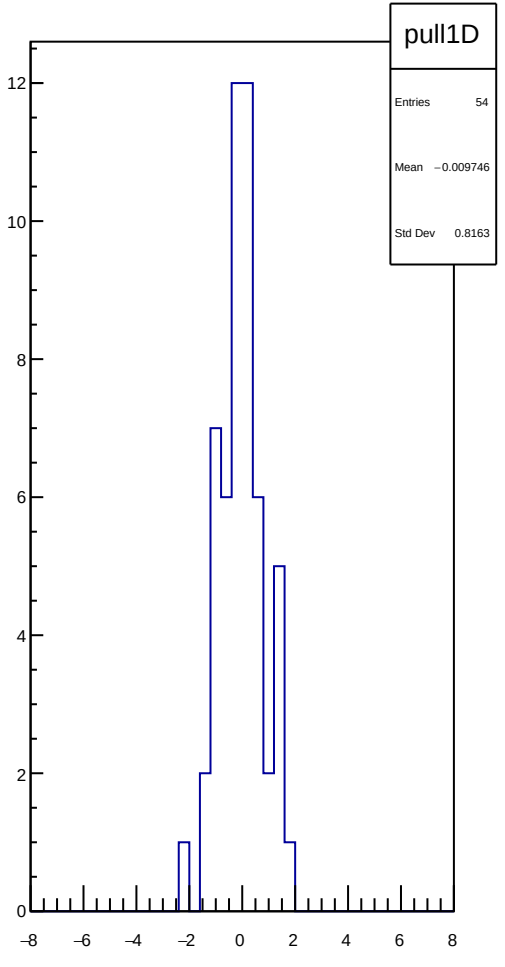

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.049e+05 / 53
p0 9.996e−11 ± 1.233e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

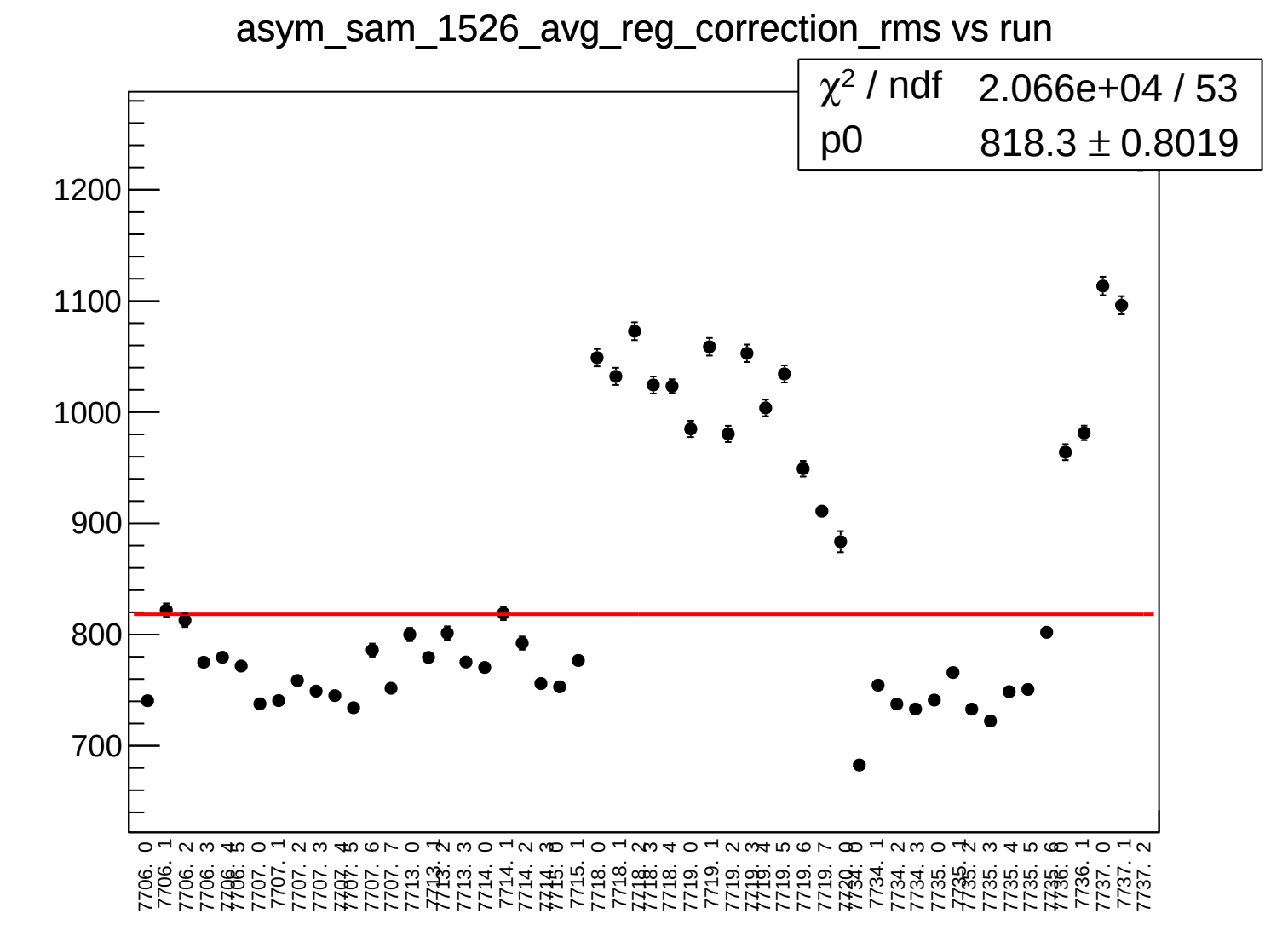

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 48.35 / 53
p0 26.09 ± 176.8
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 286.7
Std Dev 0
2
1
0
−1
−2
−3

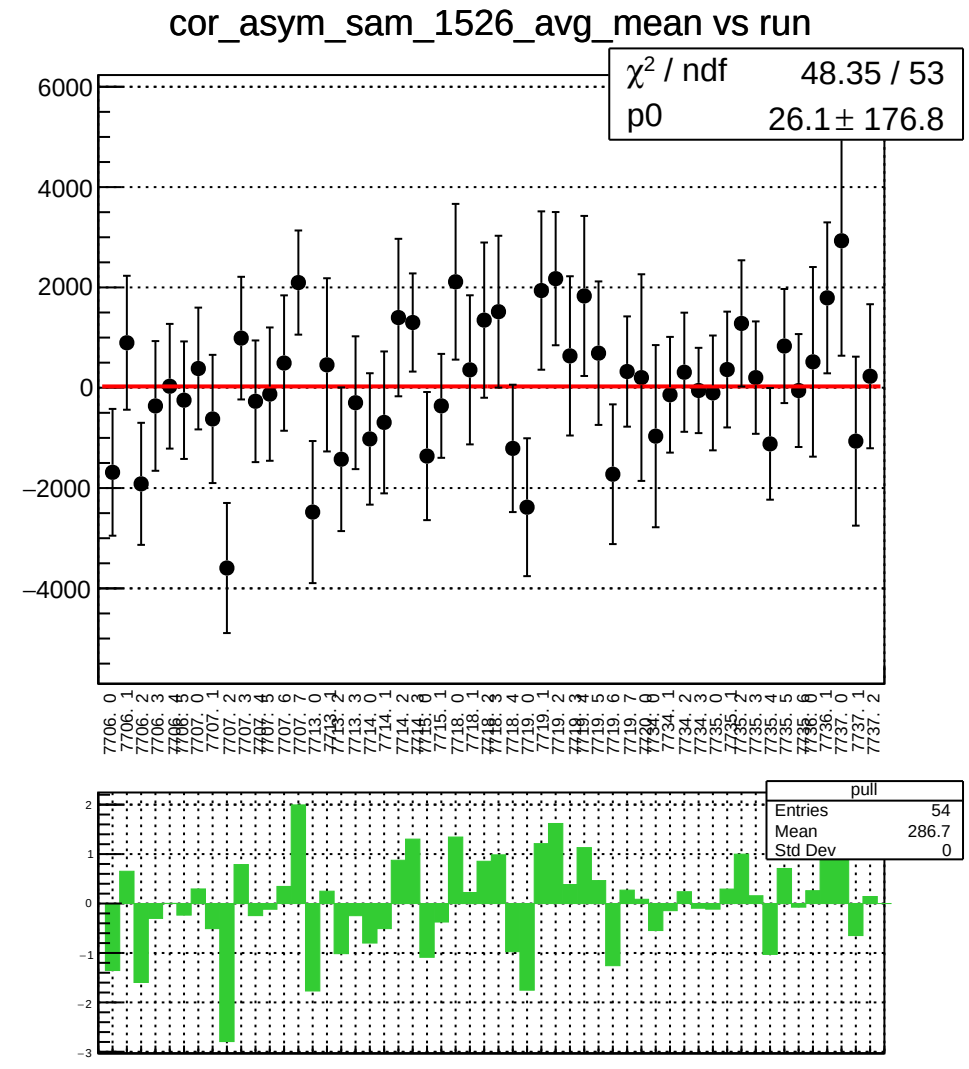

pull1D
Entries 54
Mean 0.01367
Std Dev 0.9462
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

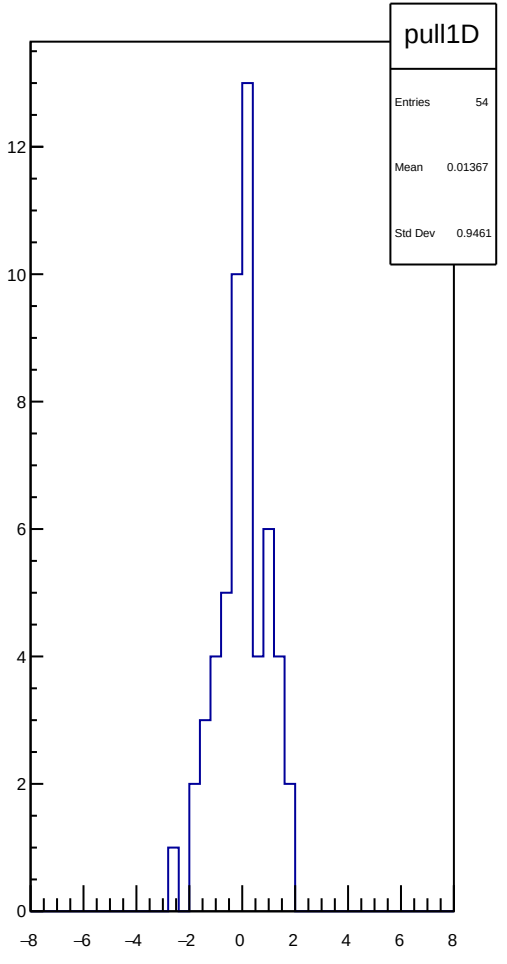

reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.042e+04 / 53
p0 127.6 ± 0.125
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

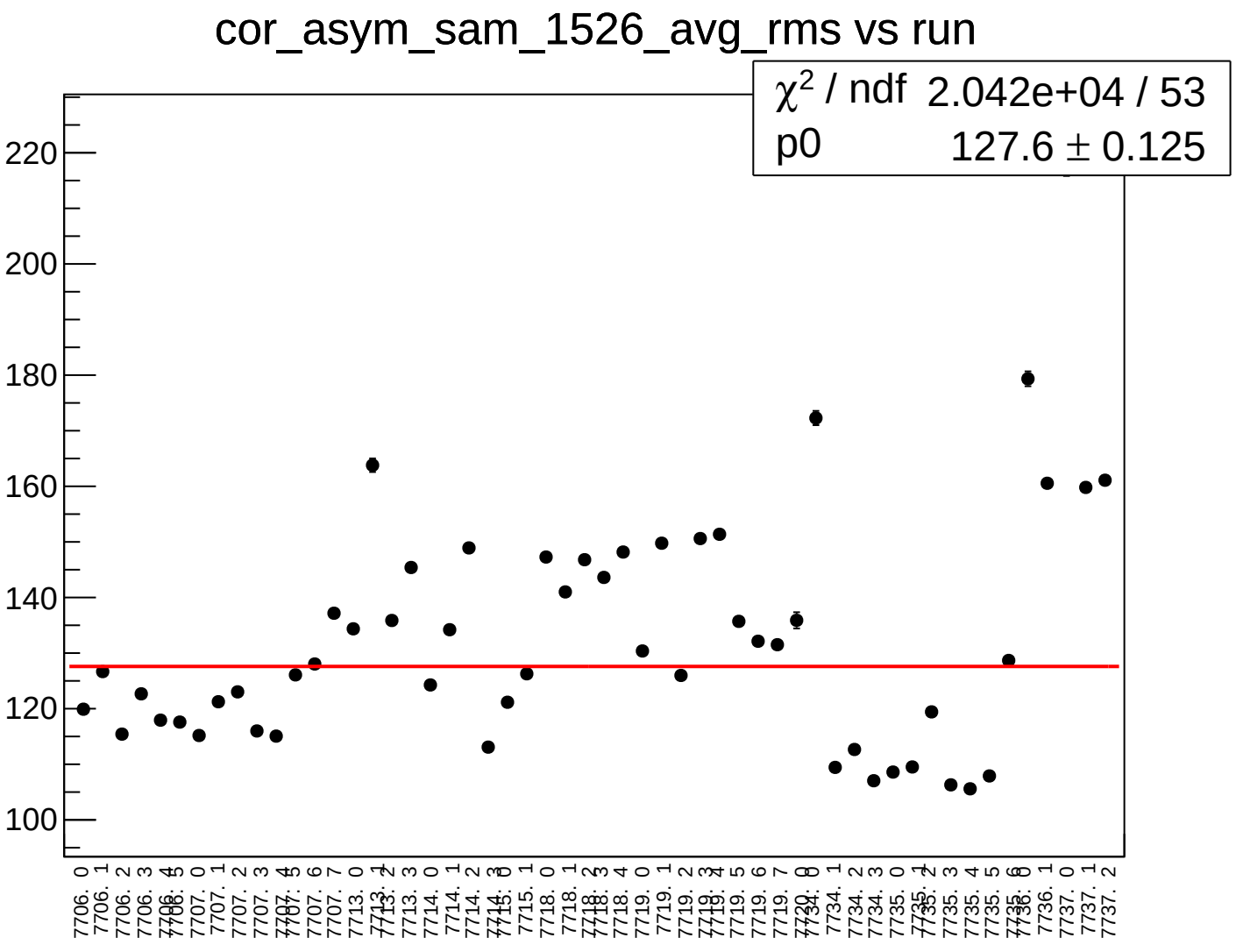

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 35.99 / 53
p0 350.3 ± 1134
pull
Entries 54
Mean 509.4
Std Dev 0

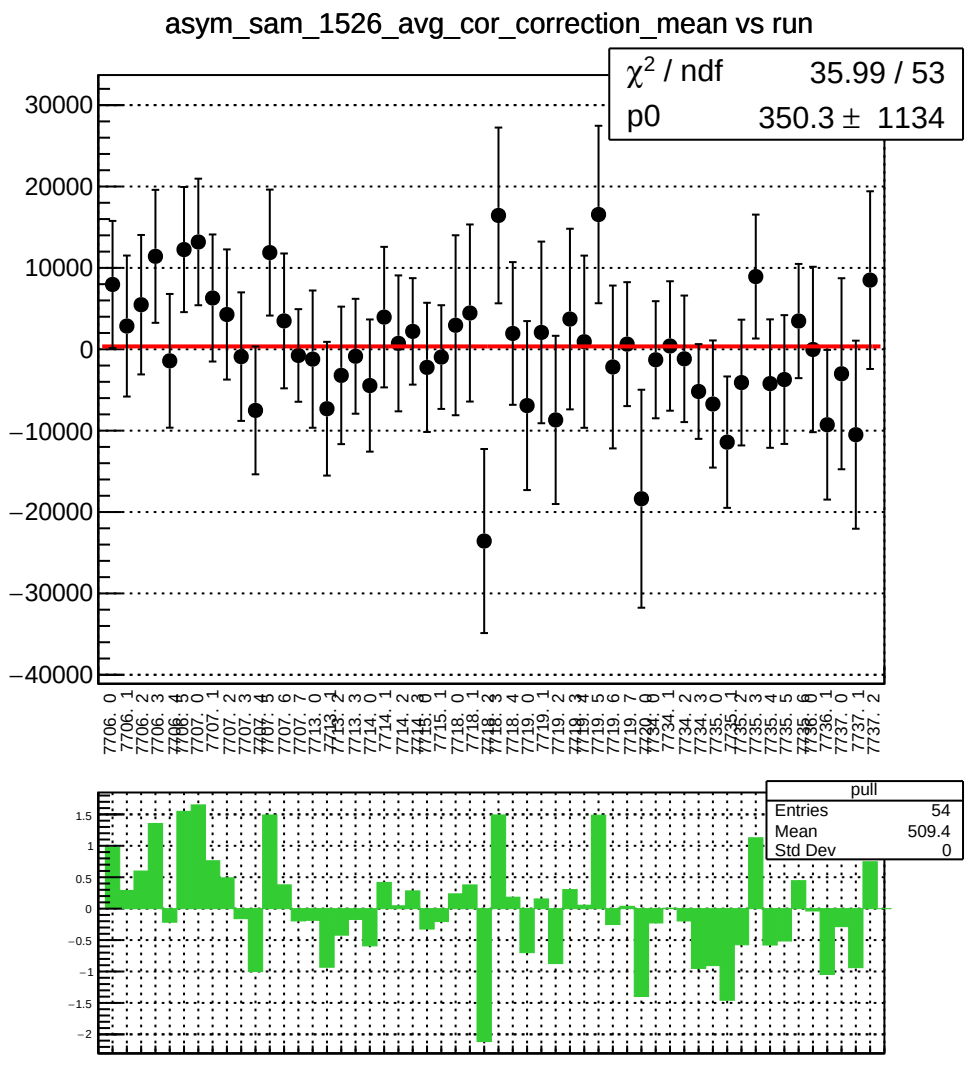

pull1D
Entries 54
Mean −0.009746
Std Dev 0.8163

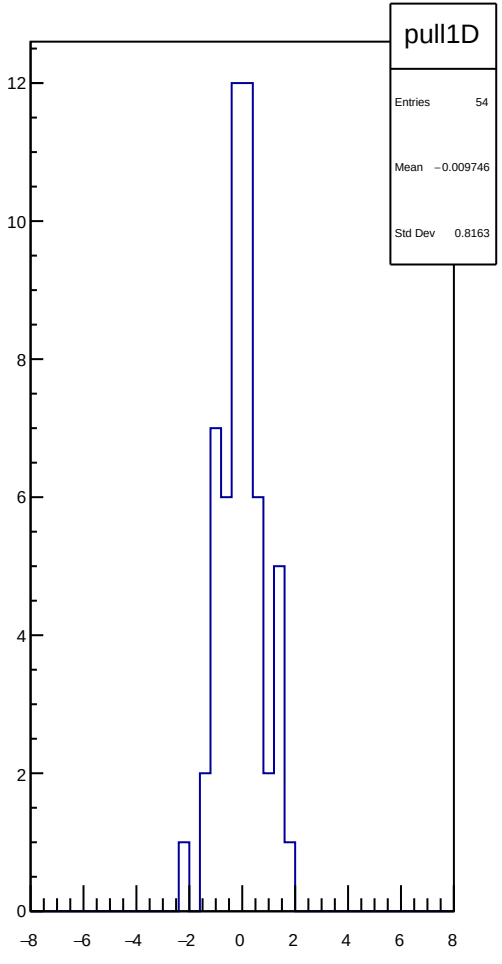

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 2.066e+04 / 53
p0 818.3 ± 0.8019
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

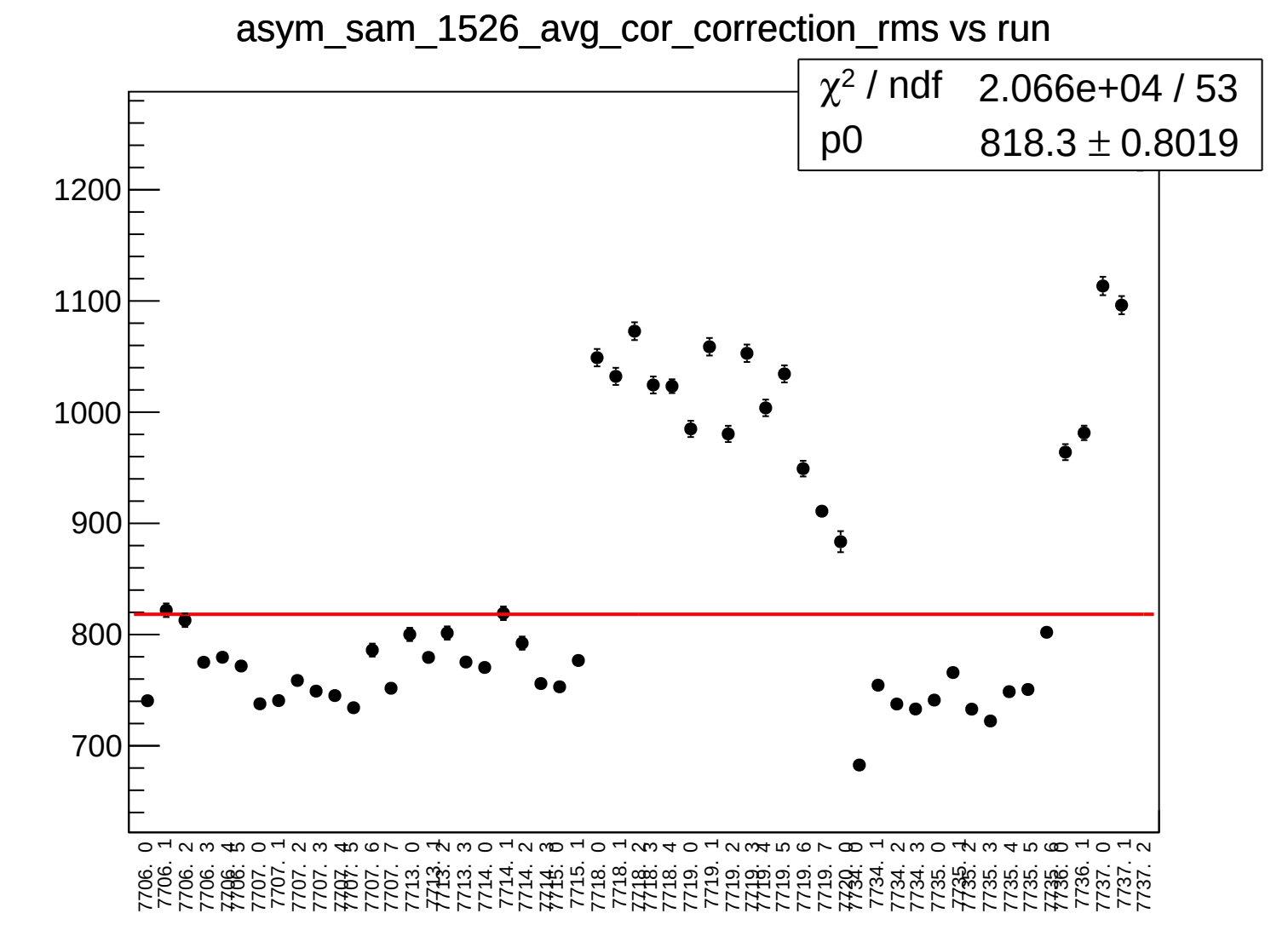

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 48.35 / 53
p0 26.1 ± 176.8
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 286.7
Std Dev 0
2
1
0
−1
−2
−3

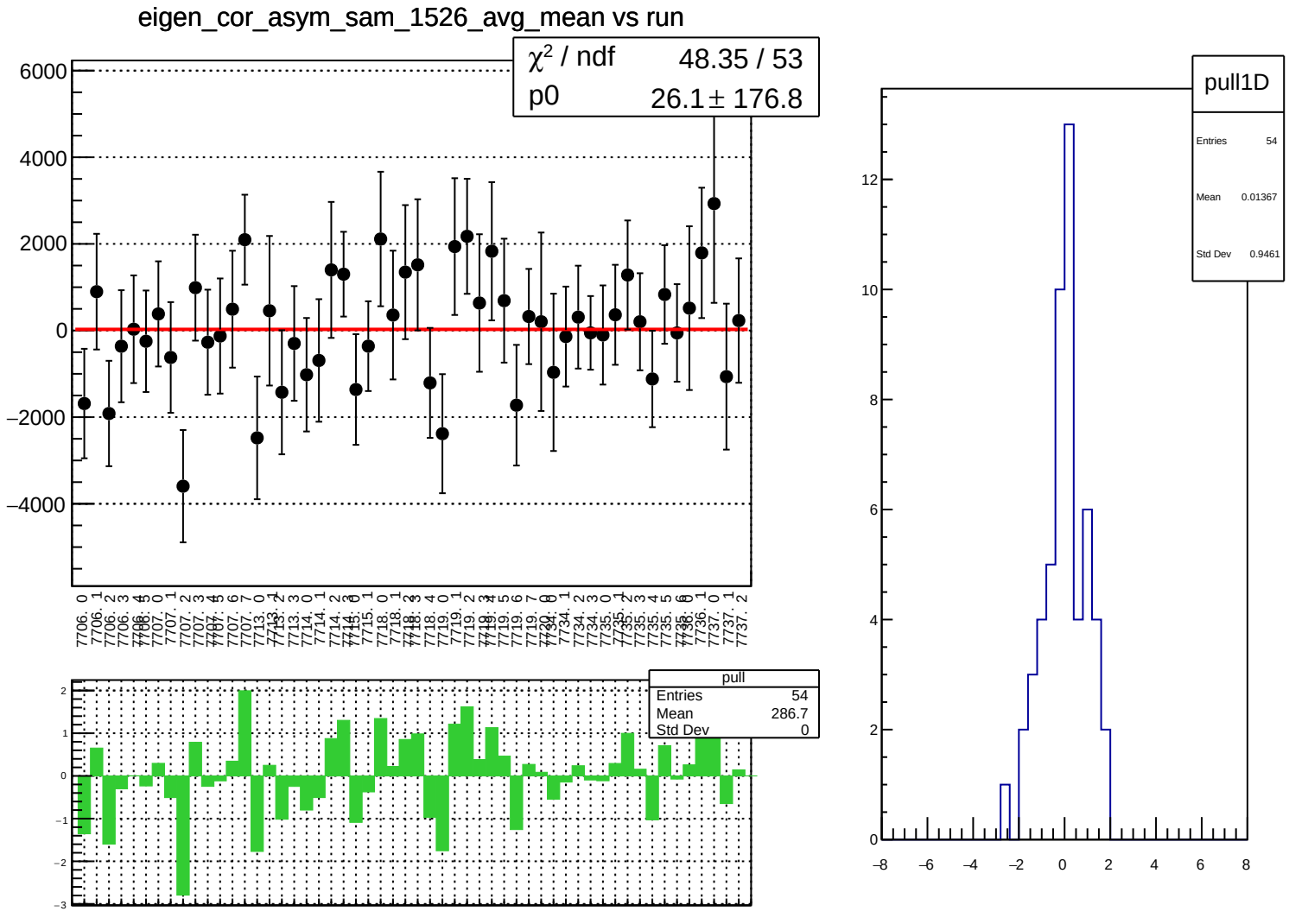

pull1D
Entries 54
Mean 0.01367
Std Dev 0.9461
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

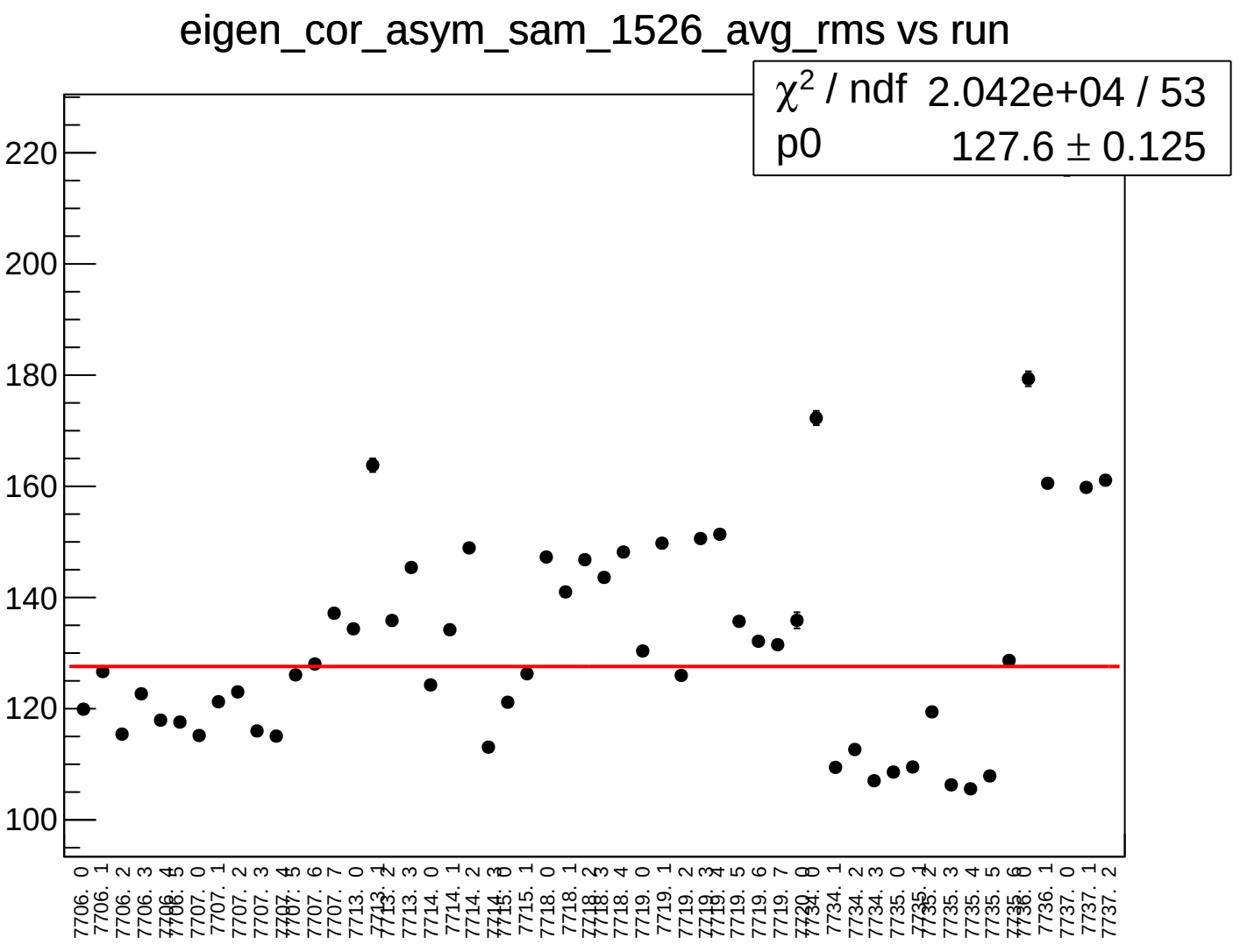

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.042e+04 / 53
p0 127.6 ± 0.125
220
200
180
160
140
120
100

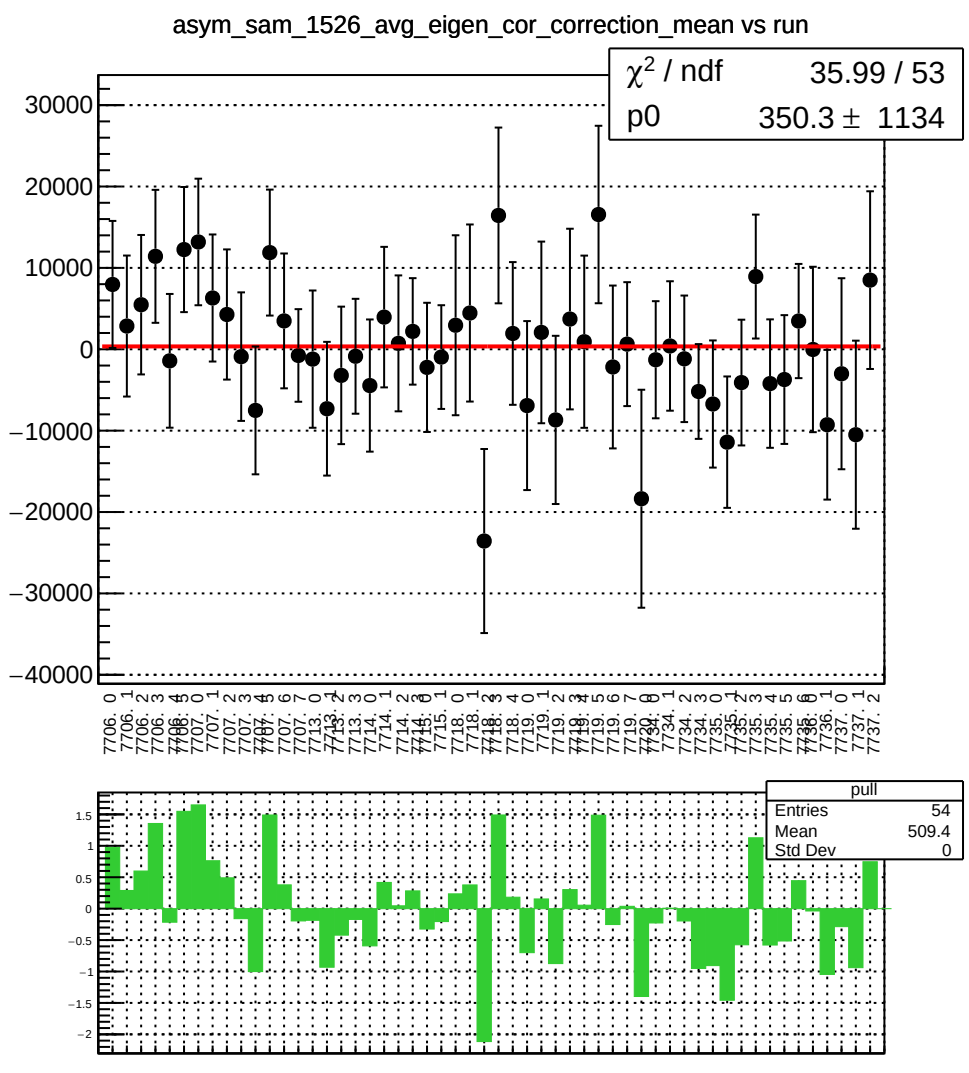

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 35.99 / 53
p0 350.3 ± 1134
pull
Entries 54
Mean 509.4
Std Dev 0

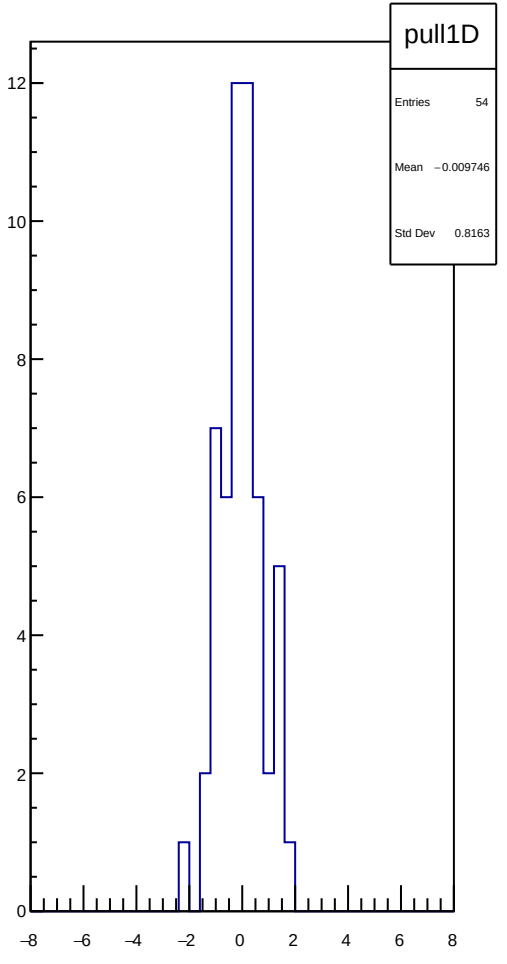

pull1D
Entries 54
Mean −0.009746
Std Dev 0.8163

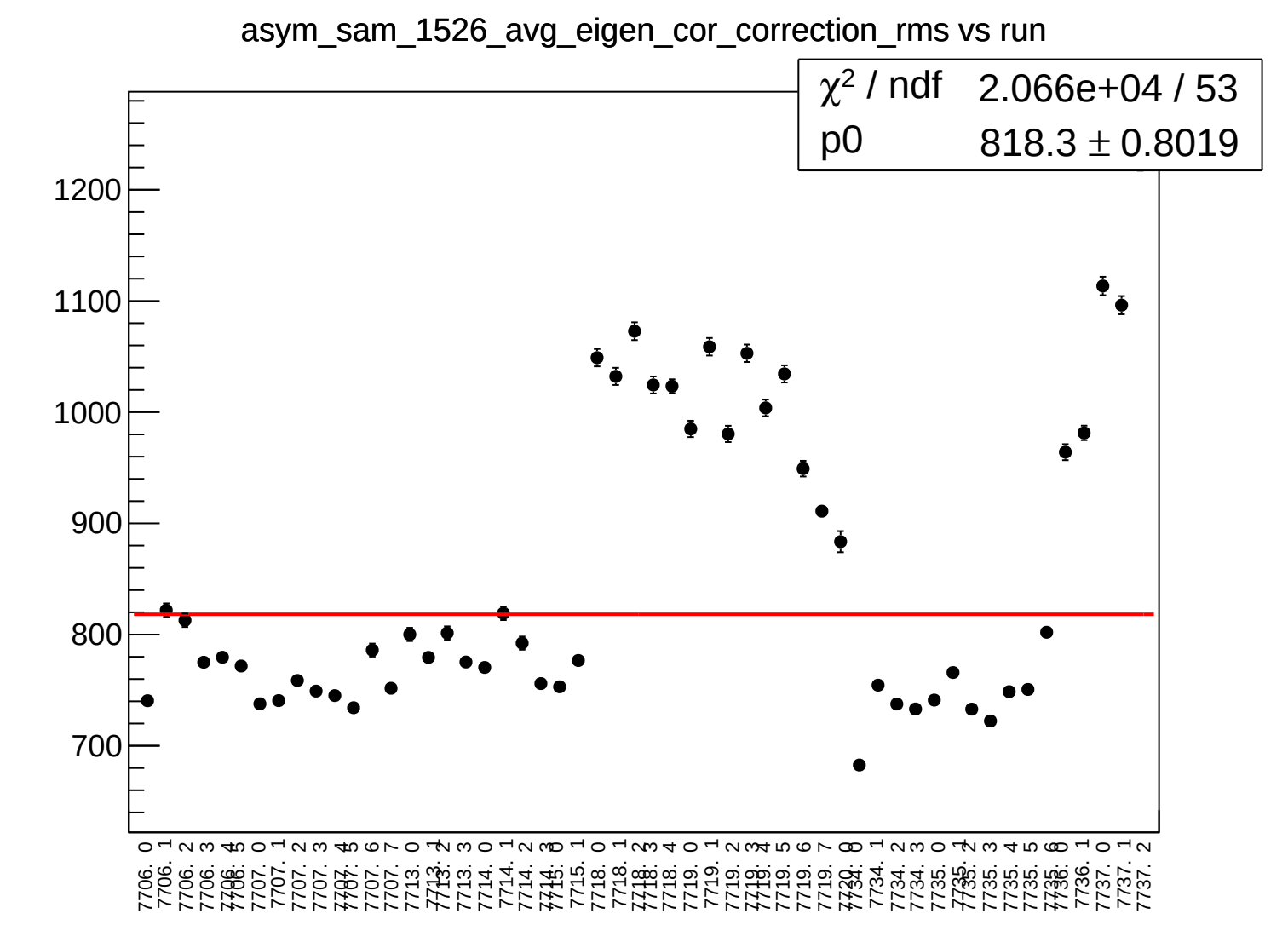

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 2.066e+04 / 53
p0 818.3 ± 0.8019
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

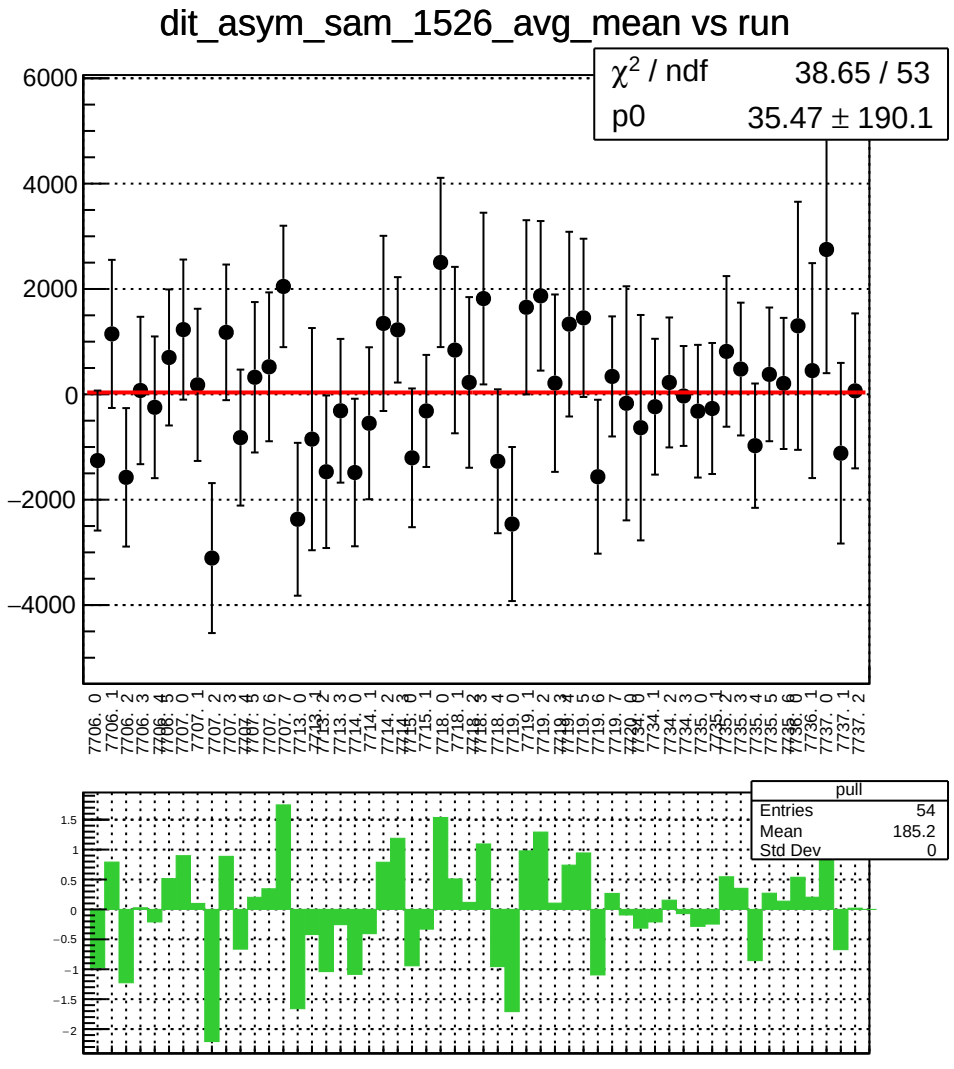

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 48.35 / 53
p0 26.1 ± 176.8
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 286.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.01367
Std Dev 0.9461
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

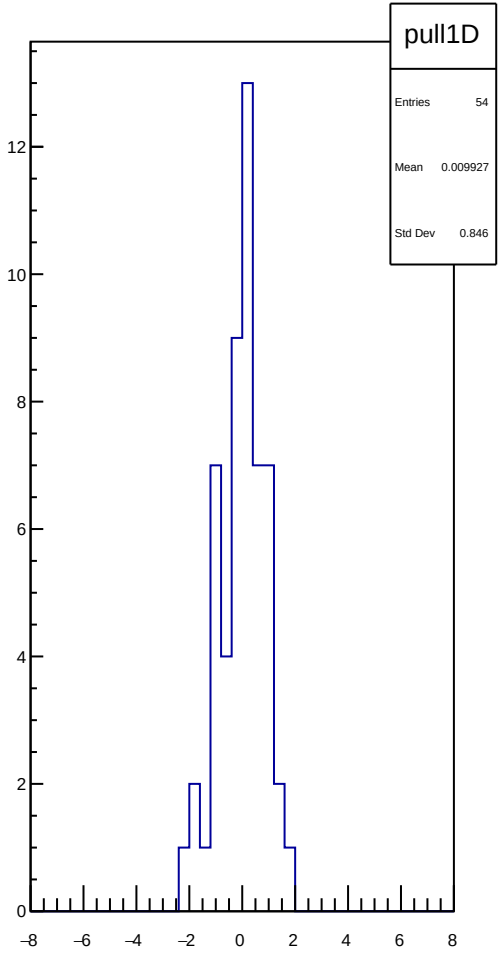

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.042e+04 / 53
p0 127.6 ± 0.125
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

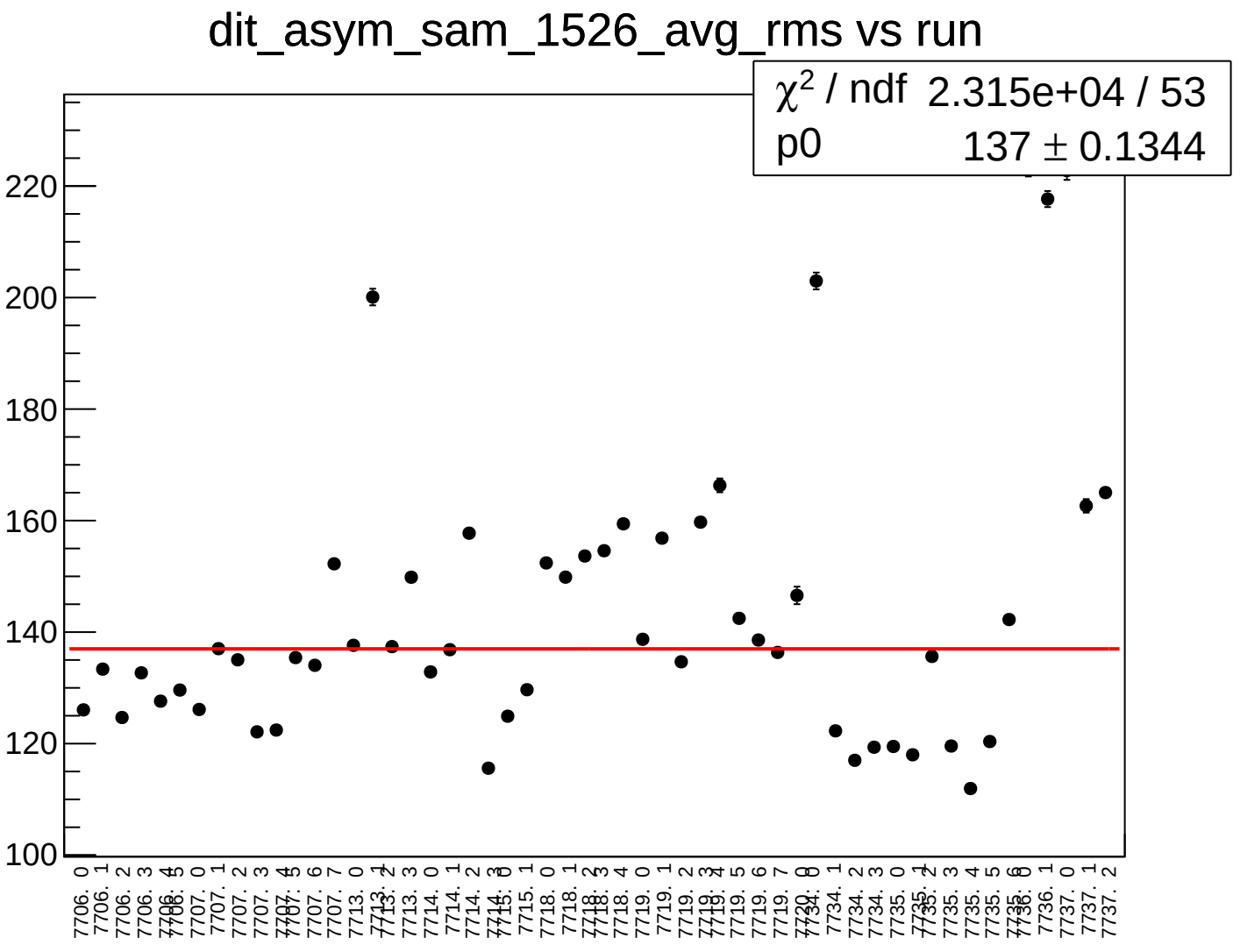

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.99 / 53
p0 350.3 ± 1134
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean 509.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

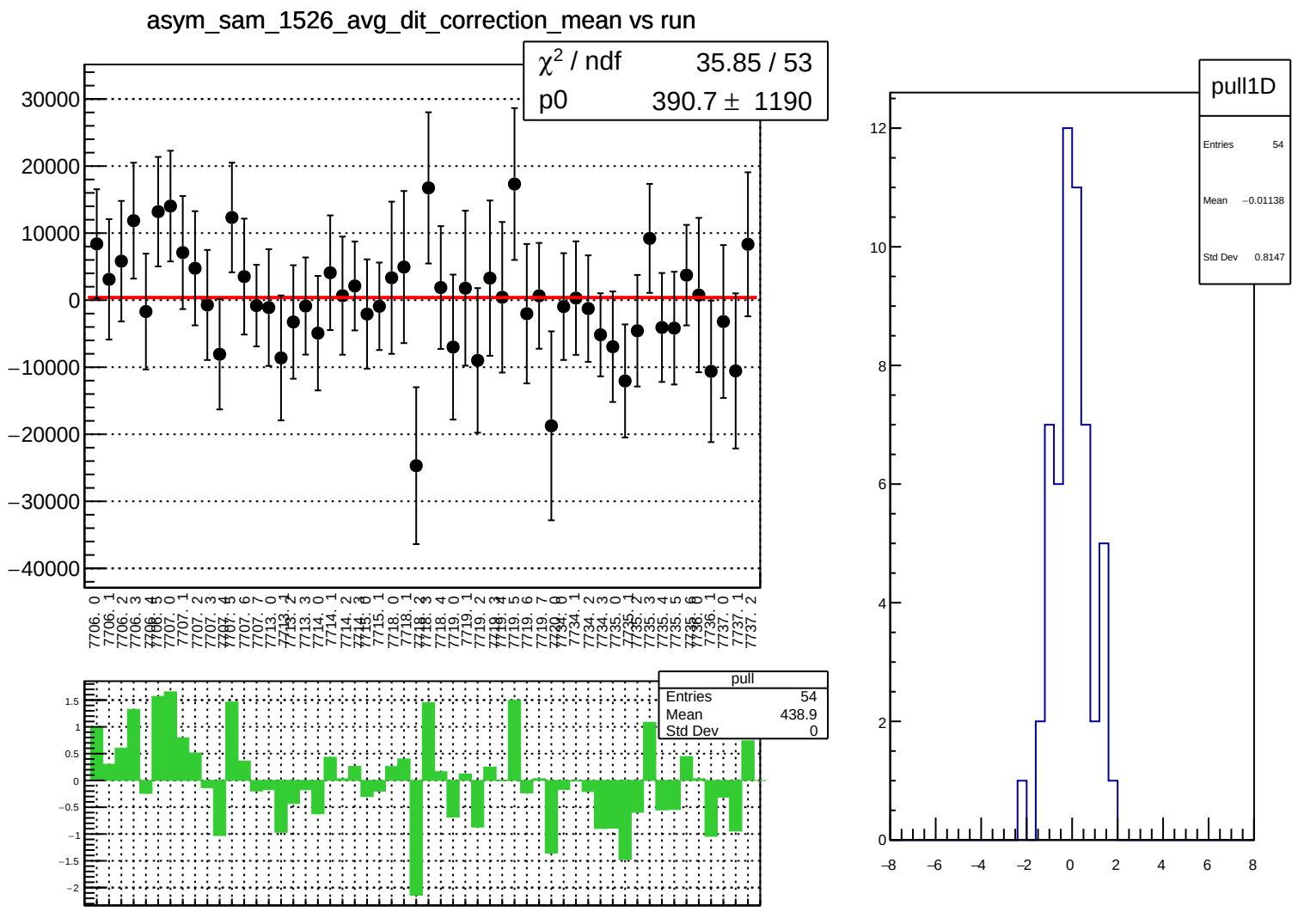

pull1D
Entries 54
Mean −0.009746
Std Dev 0.8163
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

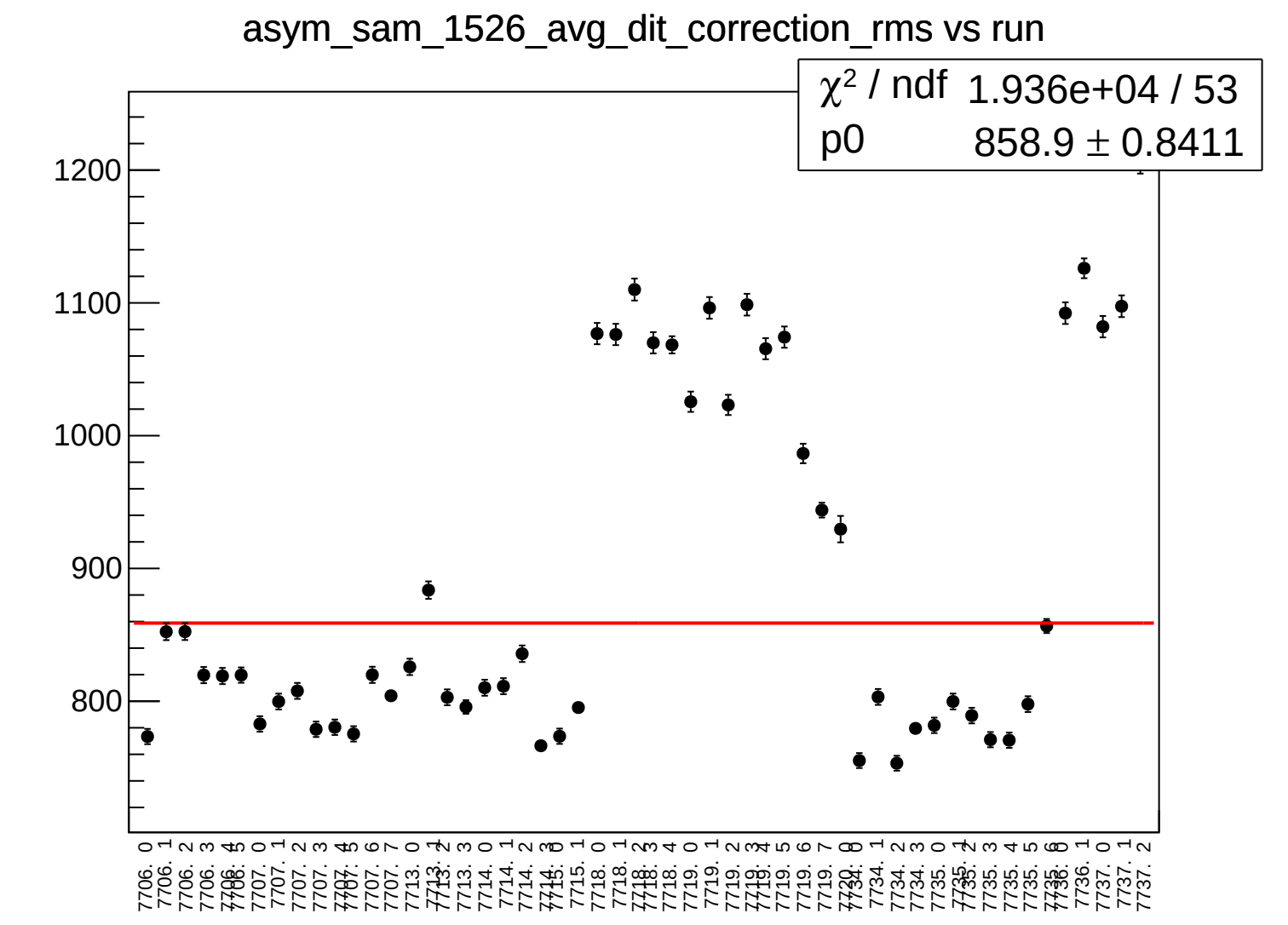

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.066e+04 / 53
p0 818.3 ± 0.8019
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

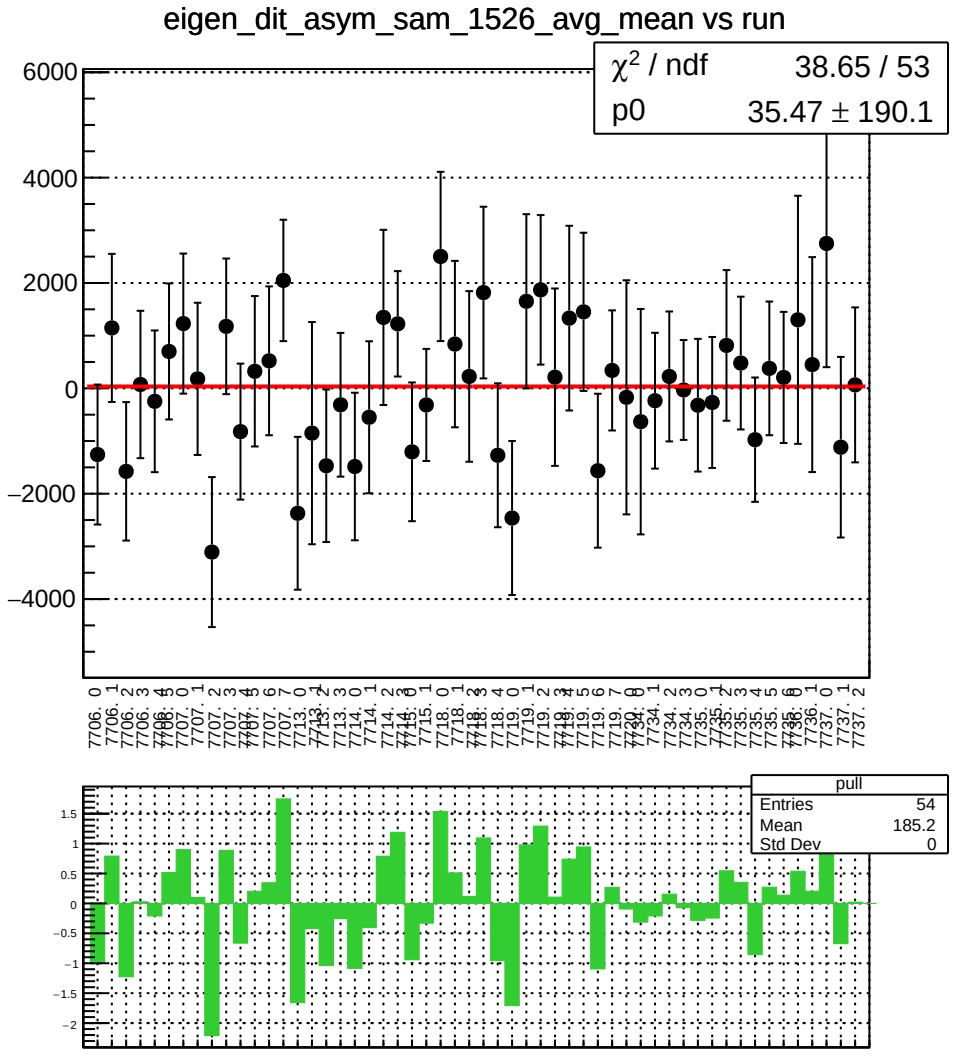

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 38.65 / 53
p0 35.47 ± 190.1
pull
Entries 54
Mean 185.2
Std Dev 0

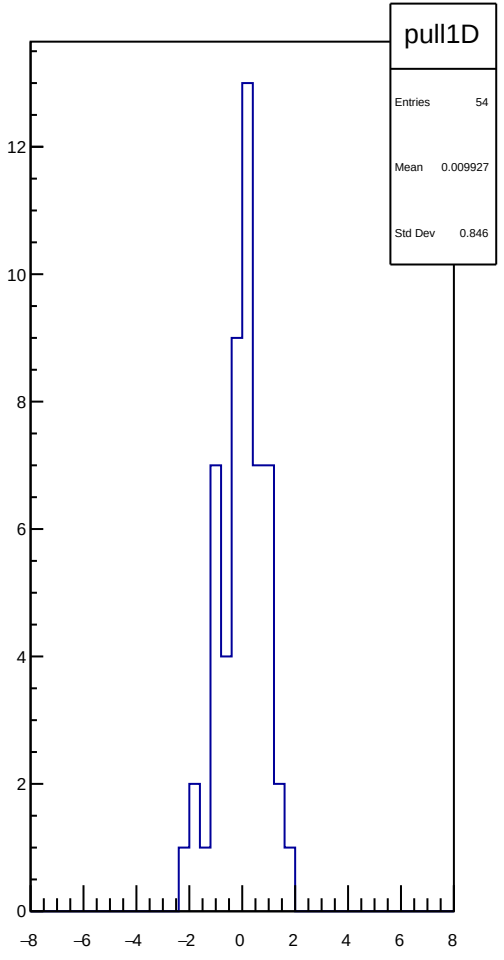

pull1D
Entries 54
Mean 0.009927
Std Dev 0.846

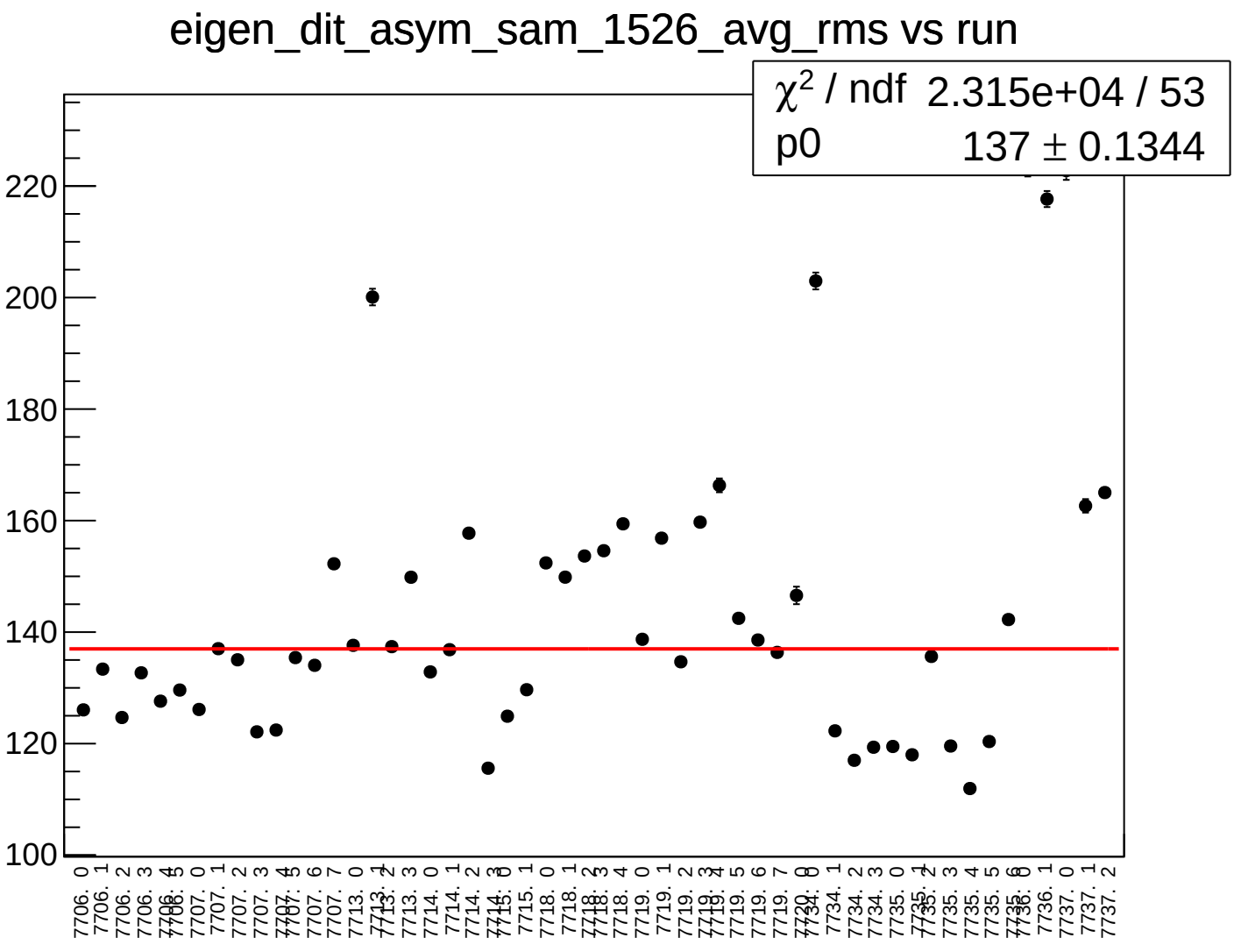

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.315e+04 / 53
p0 137 ± 0.1344
220
200
180
160
140
120
100

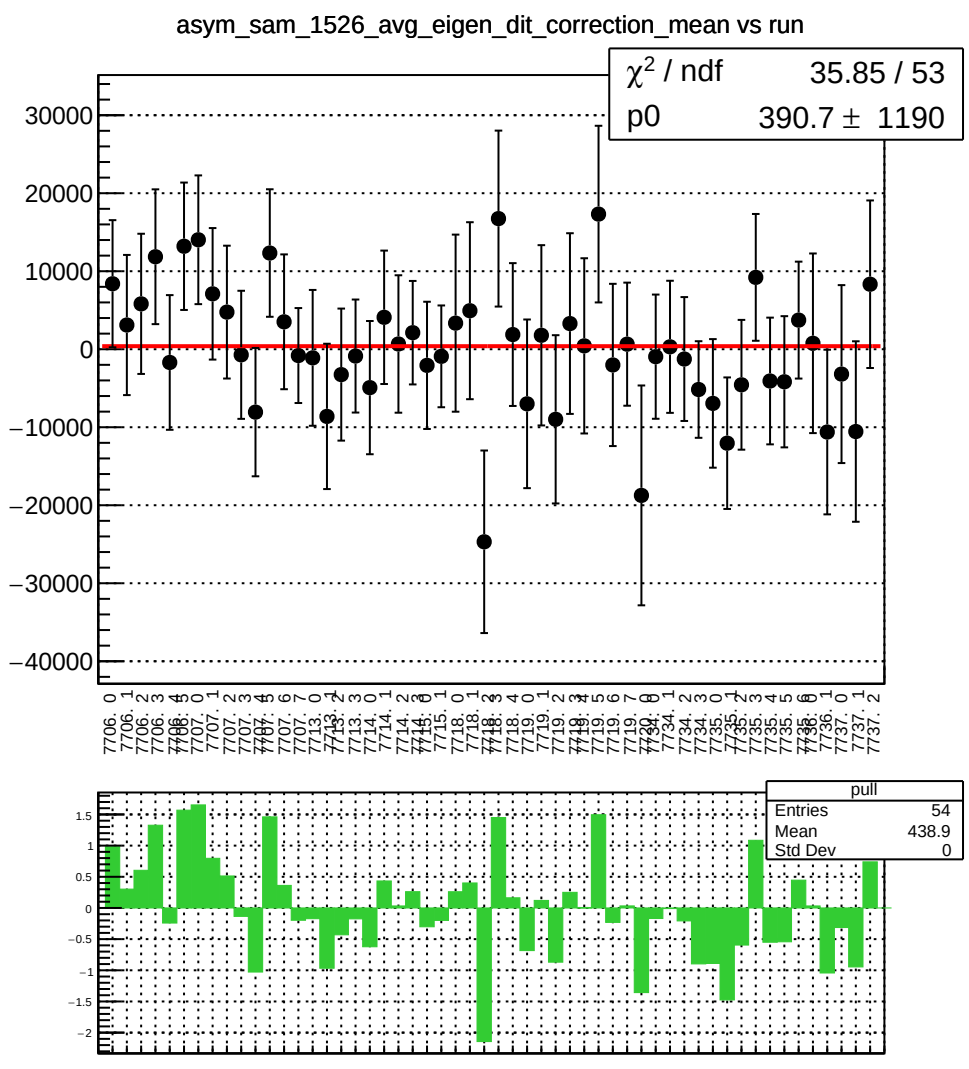

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 35.85 / 53
p0 390.7 ± 1190
pull
Entries 54
Mean 438.9
Std Dev 0
pull1D
Entries 54
Mean −0.01138
Std Dev 0.8147

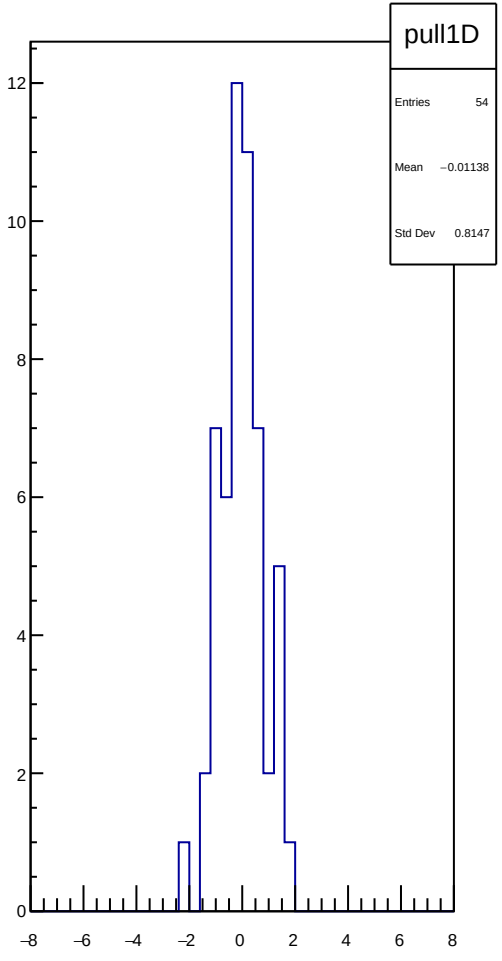

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1.936e+04 / 53
p0 858.9 ± 0.8411
1200
1100
1000
900
800

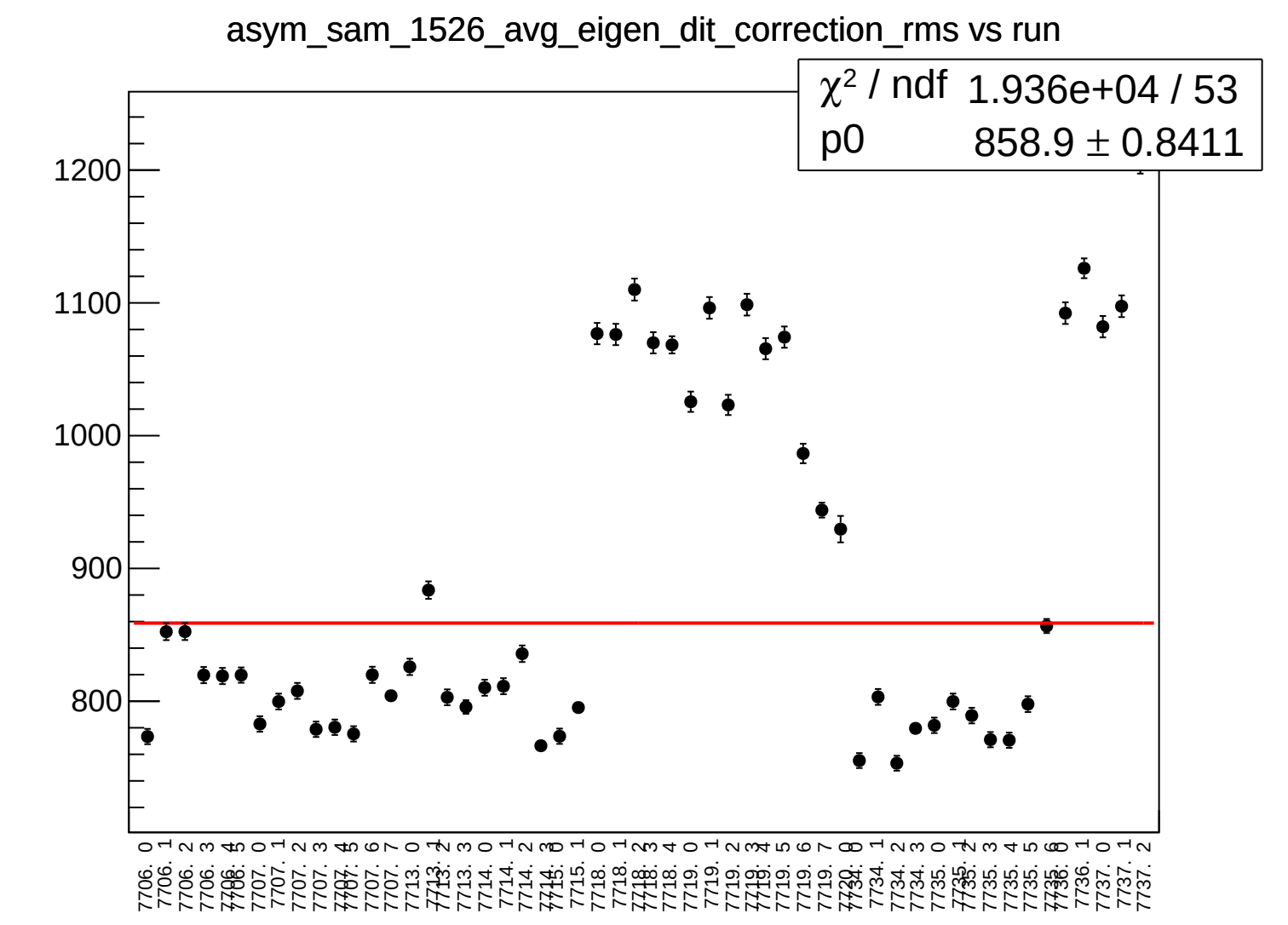

eigen_dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 38.65 / 53
p0 35.47 ± 190.1
pull
Entries 54
Mean 185.2
Std Dev 0

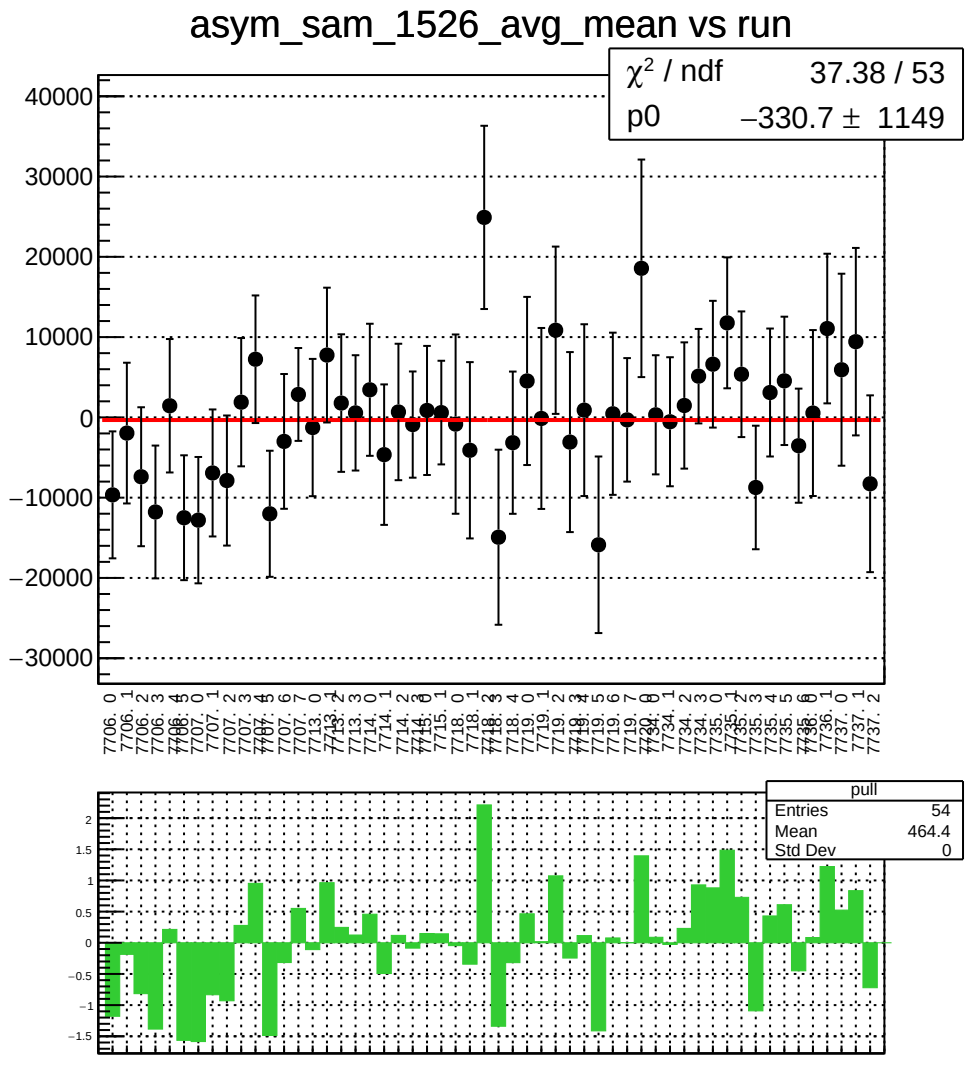

pull1D
Entries 54
Mean 0.009927
Std Dev 0.846

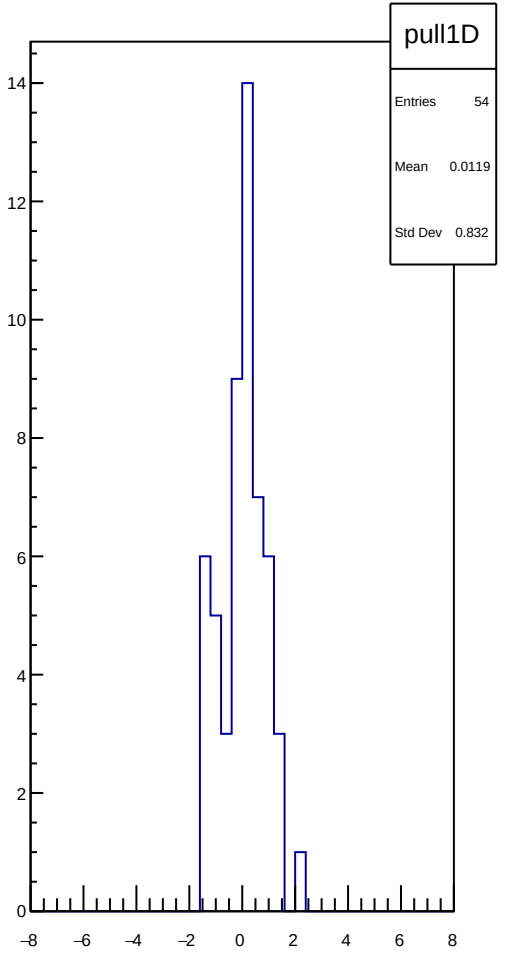

eigen_dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.315e+04 / 53
p0 137 ± 0.1344
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

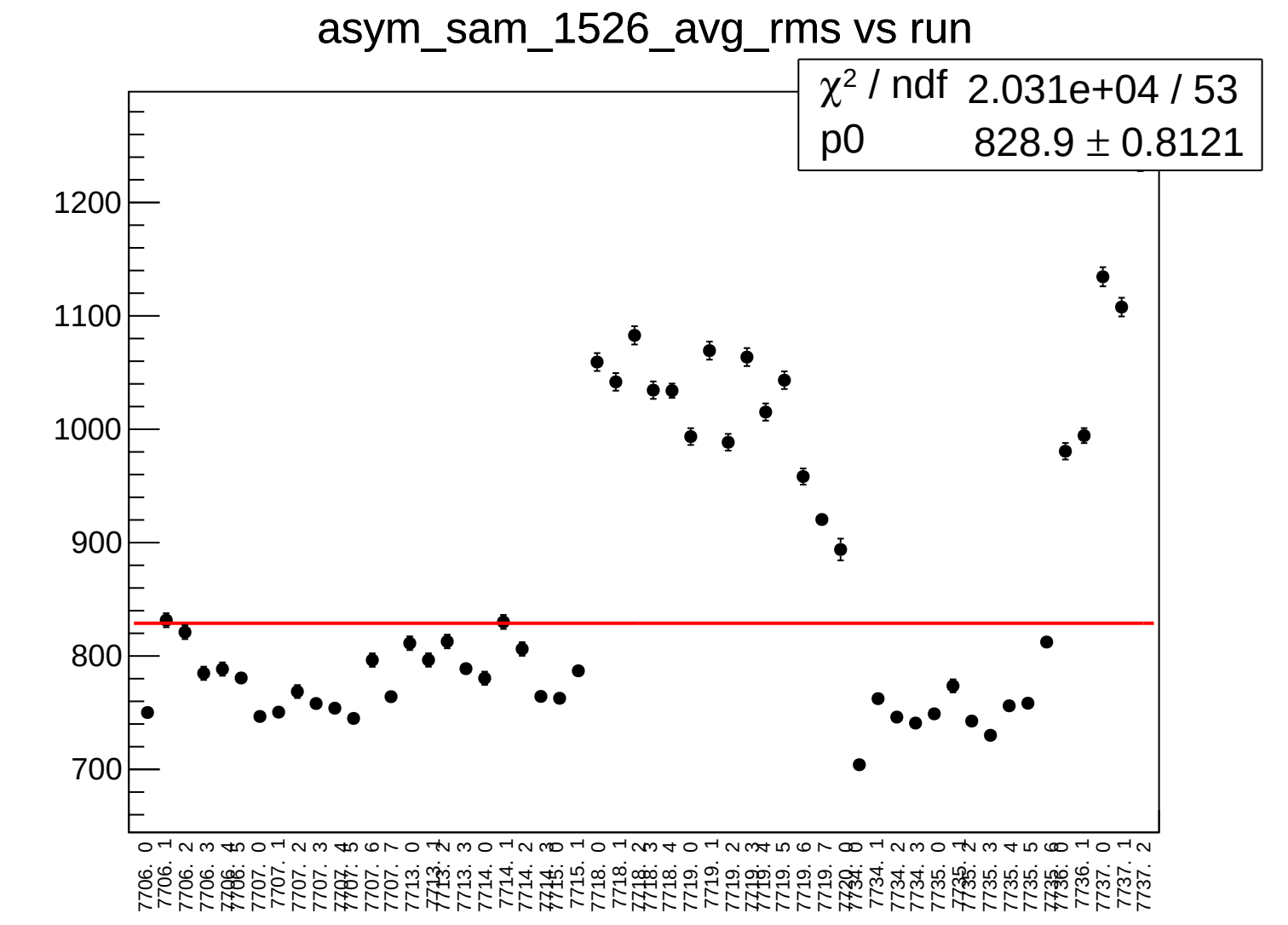

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 35.85 / 53
p0 390.7 ± 1190
pull
Entries 54
Mean 438.9
Std Dev 0

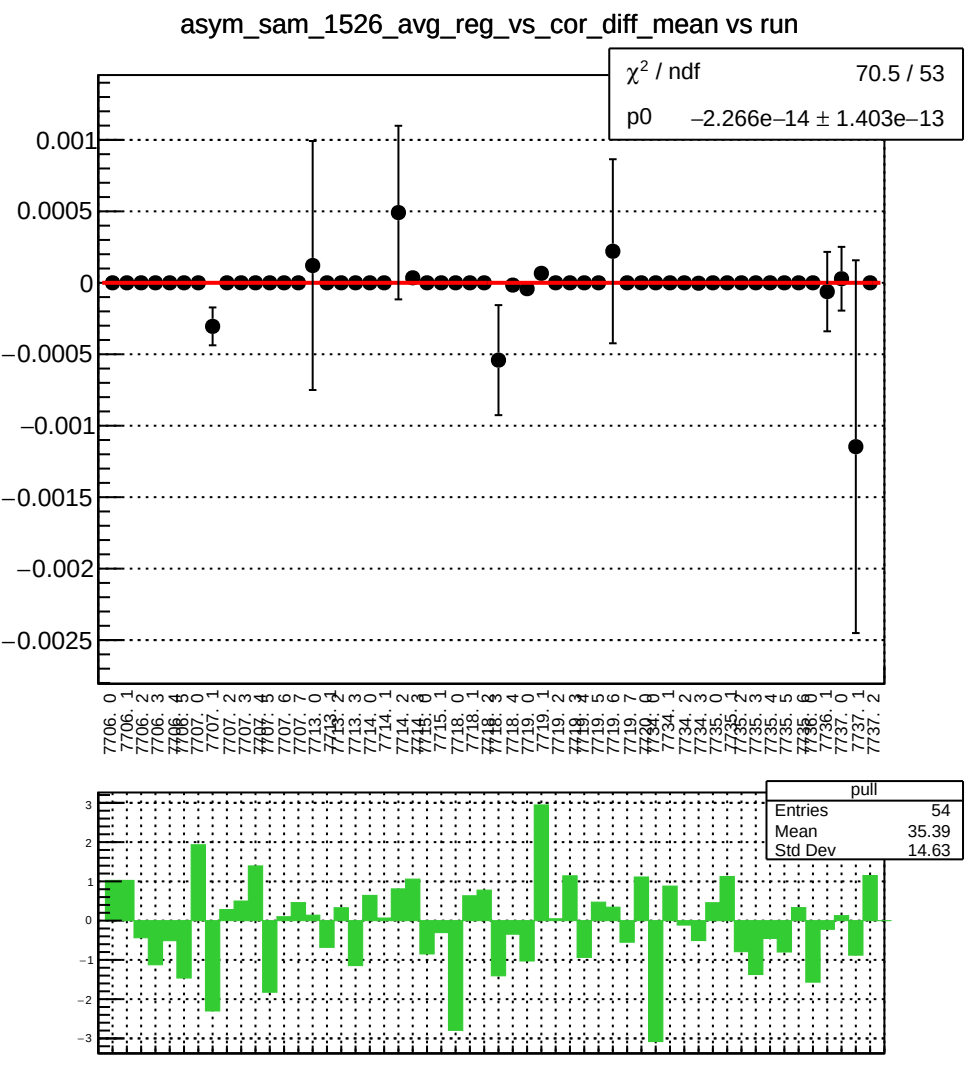

pull1D
Entries 54
Mean −0.01138
Std Dev 0.8147

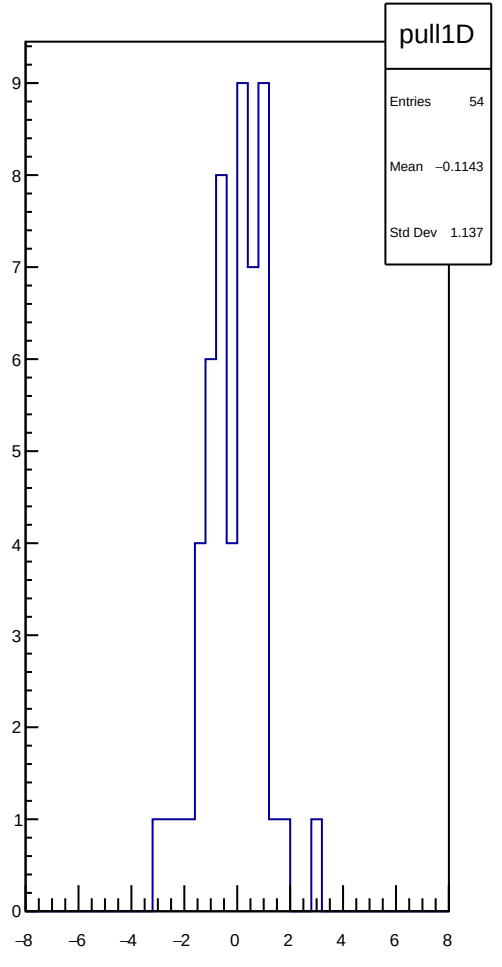

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.936e+04 / 53
p0 858.9 ± 0.8411
1200
1100
1000
900
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

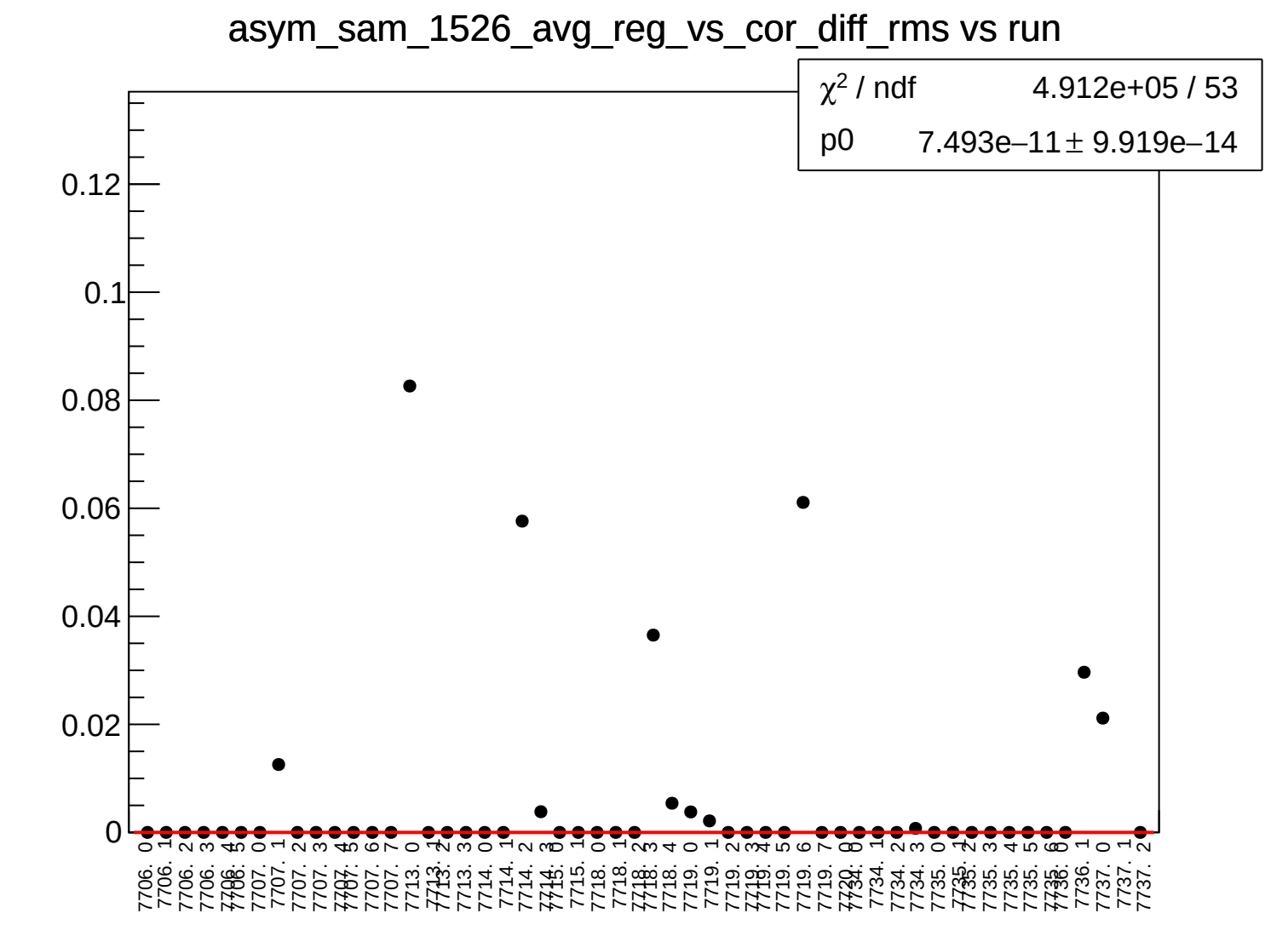

asym_sam_1526_avg_mean vs run
χ² / ndf 37.38 / 53
p0 −330.7 ± 1149
pull
Entries 54
Mean 464.4
Std Dev 0

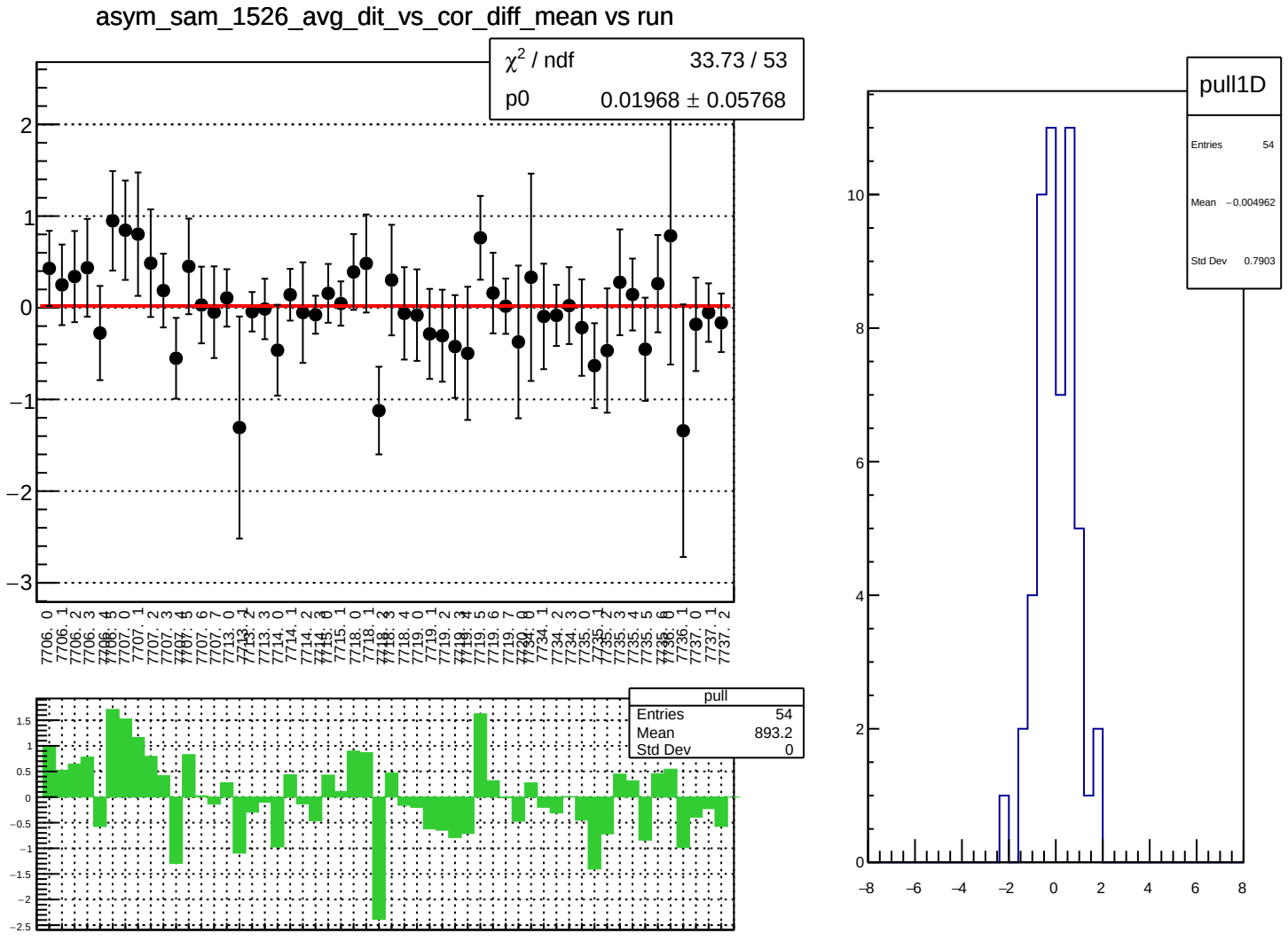

pull1D
Entries 54
Mean 0.0119
Std Dev 0.832

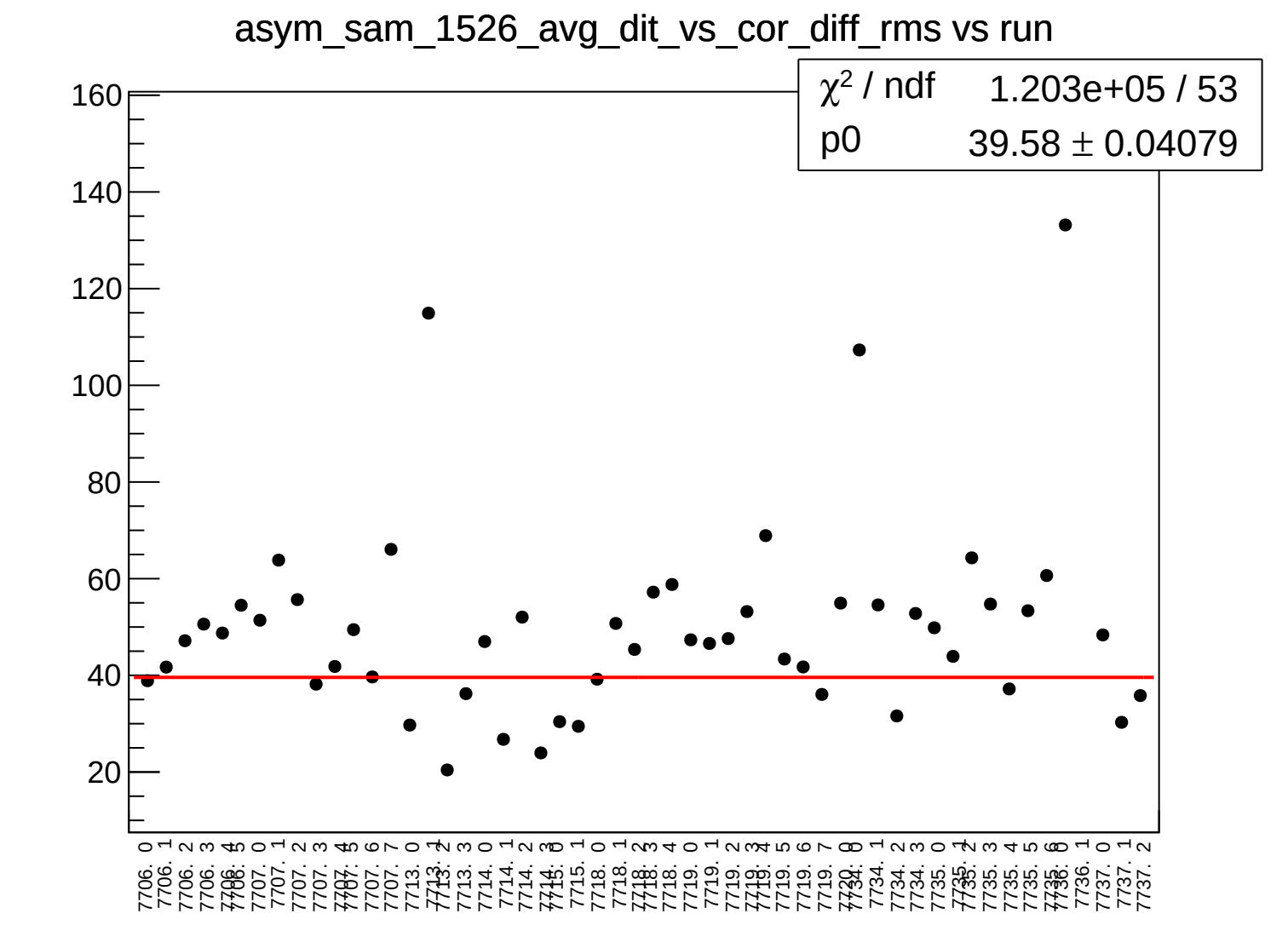

asym_sam_1526_avg_rms vs run
χ² / ndf 2.031e+04 / 53
p0 828.9 ± 0.8121
1200
1100
1000
900
800
700

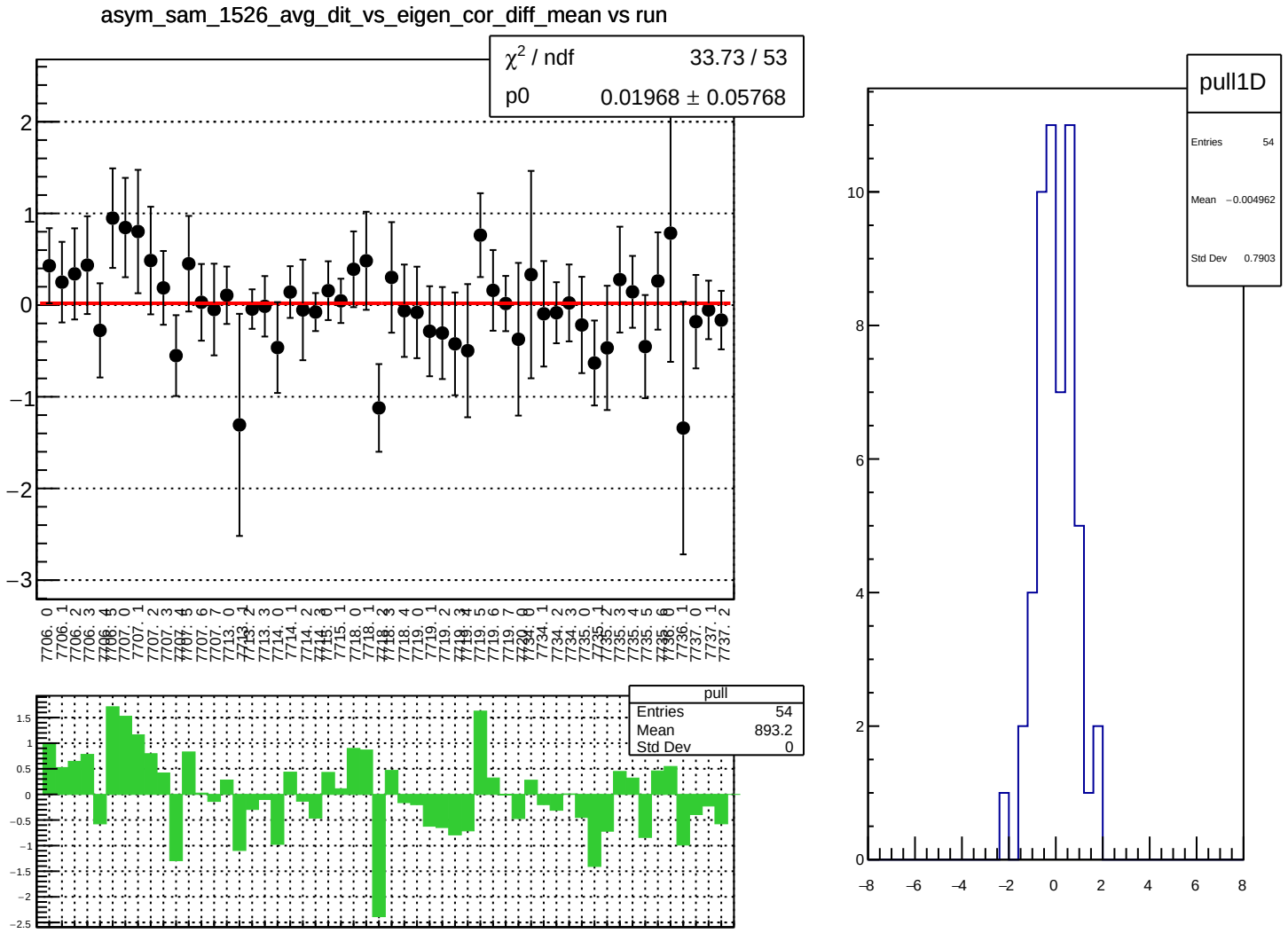

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.5 / 53
p0 −2.266e−14 ± 1.403e−13
pull
Entries 54
Mean 35.39
Std Dev 14.63

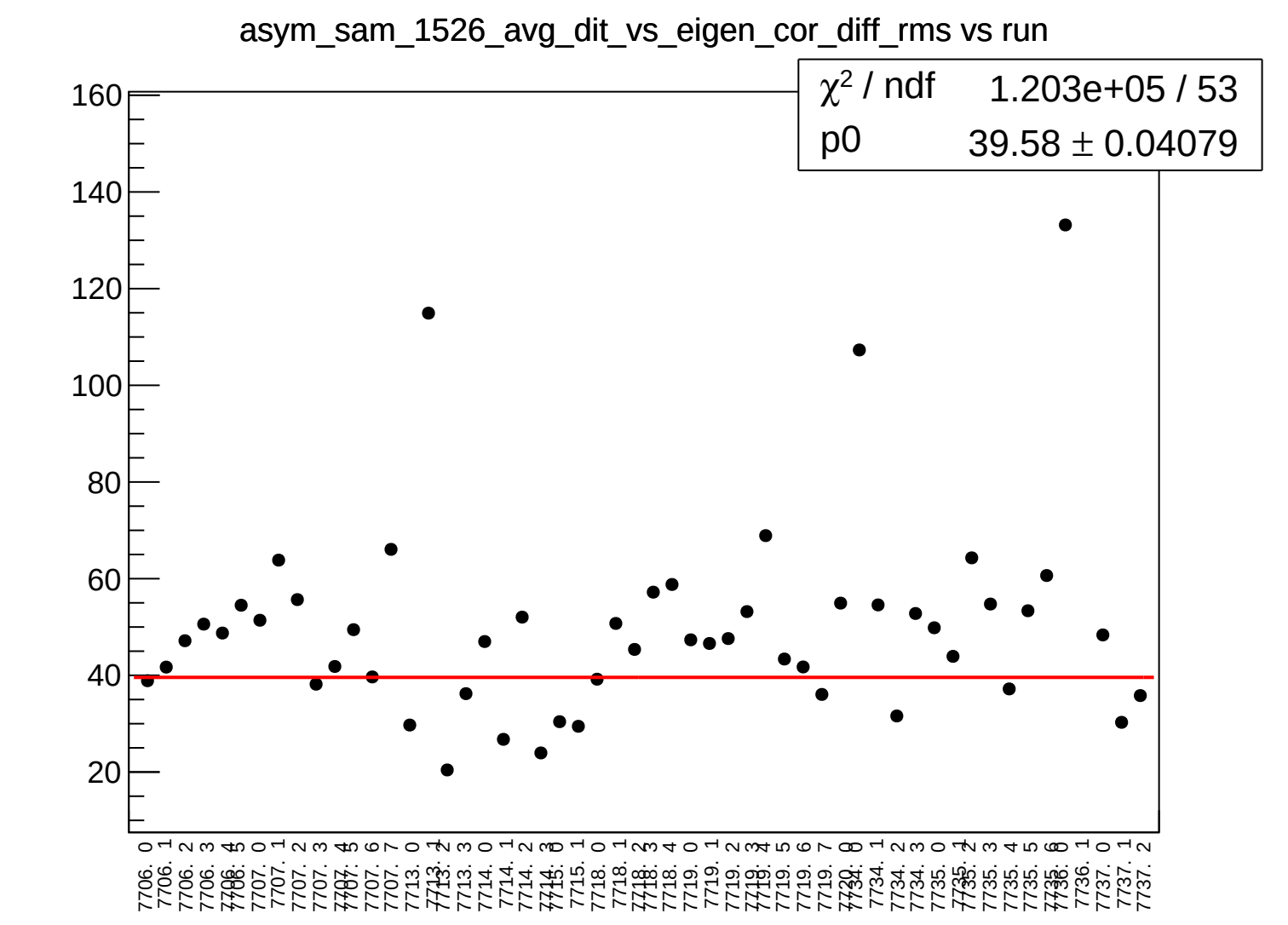

pull1D
Entries 54
Mean −0.1143
Std Dev 1.137

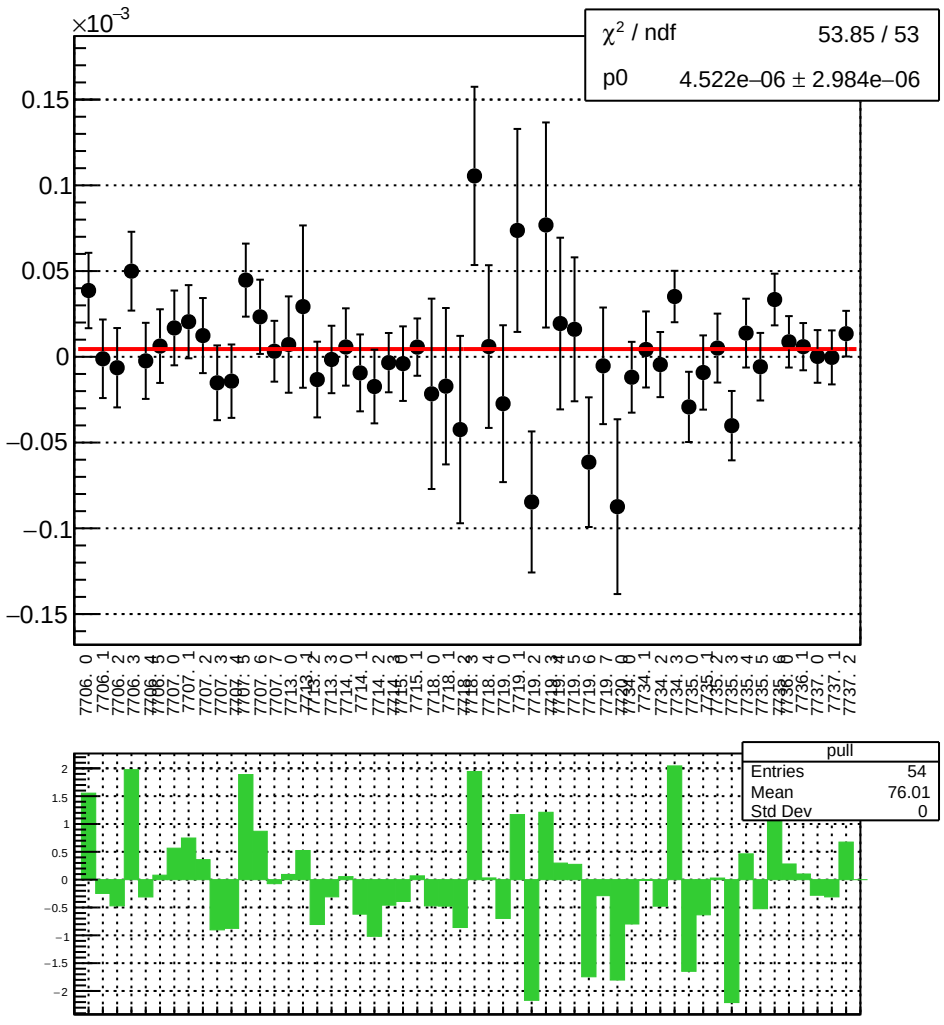

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.912e+05 / 53
p0 7.493e−11 ± 9.919e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

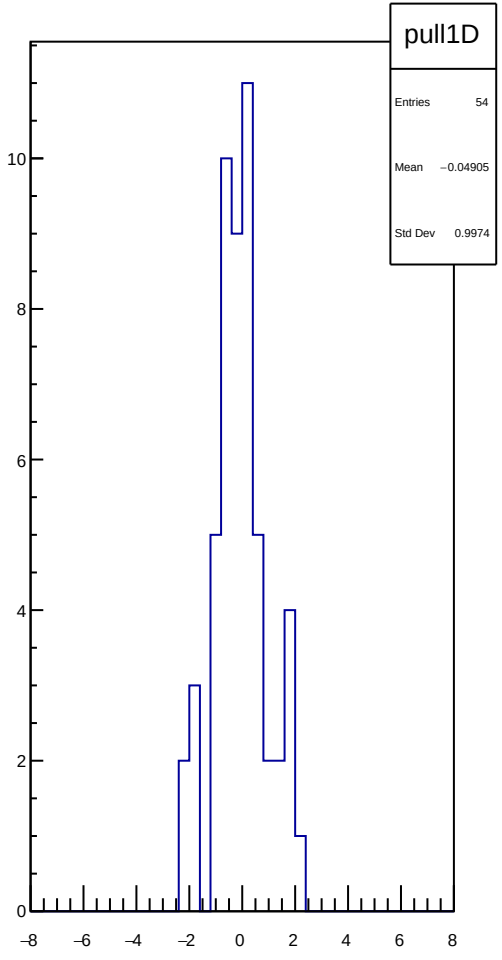

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.73 / 53
p0 0.01968 ± 0.05768
pull
Entries 54
Mean 893.2
Std Dev 0
pull1D
Entries 54
Mean −0.004962
Std Dev 0.7903

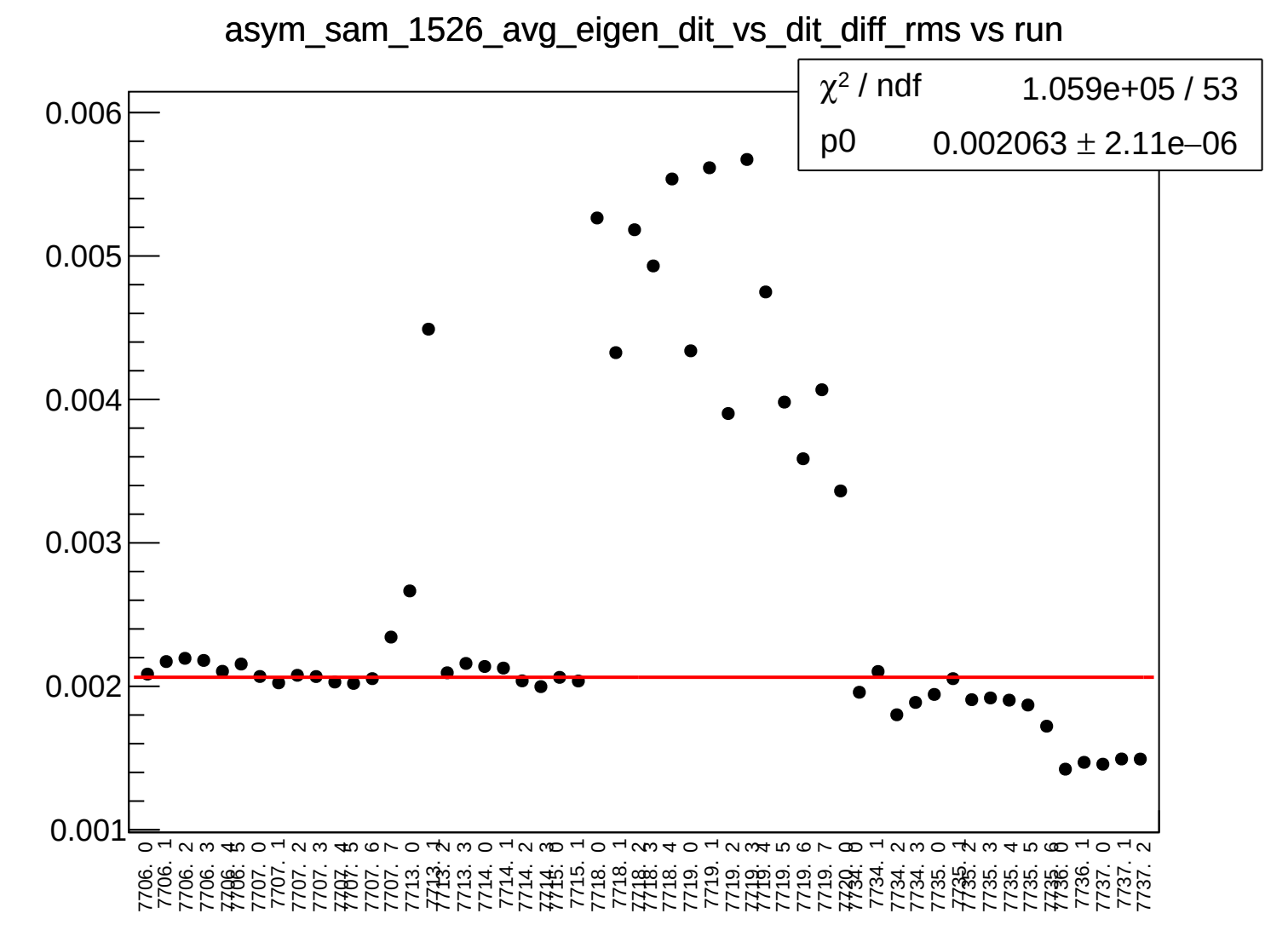

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.203e+05 / 53
p0 39.58 ± 0.04079
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

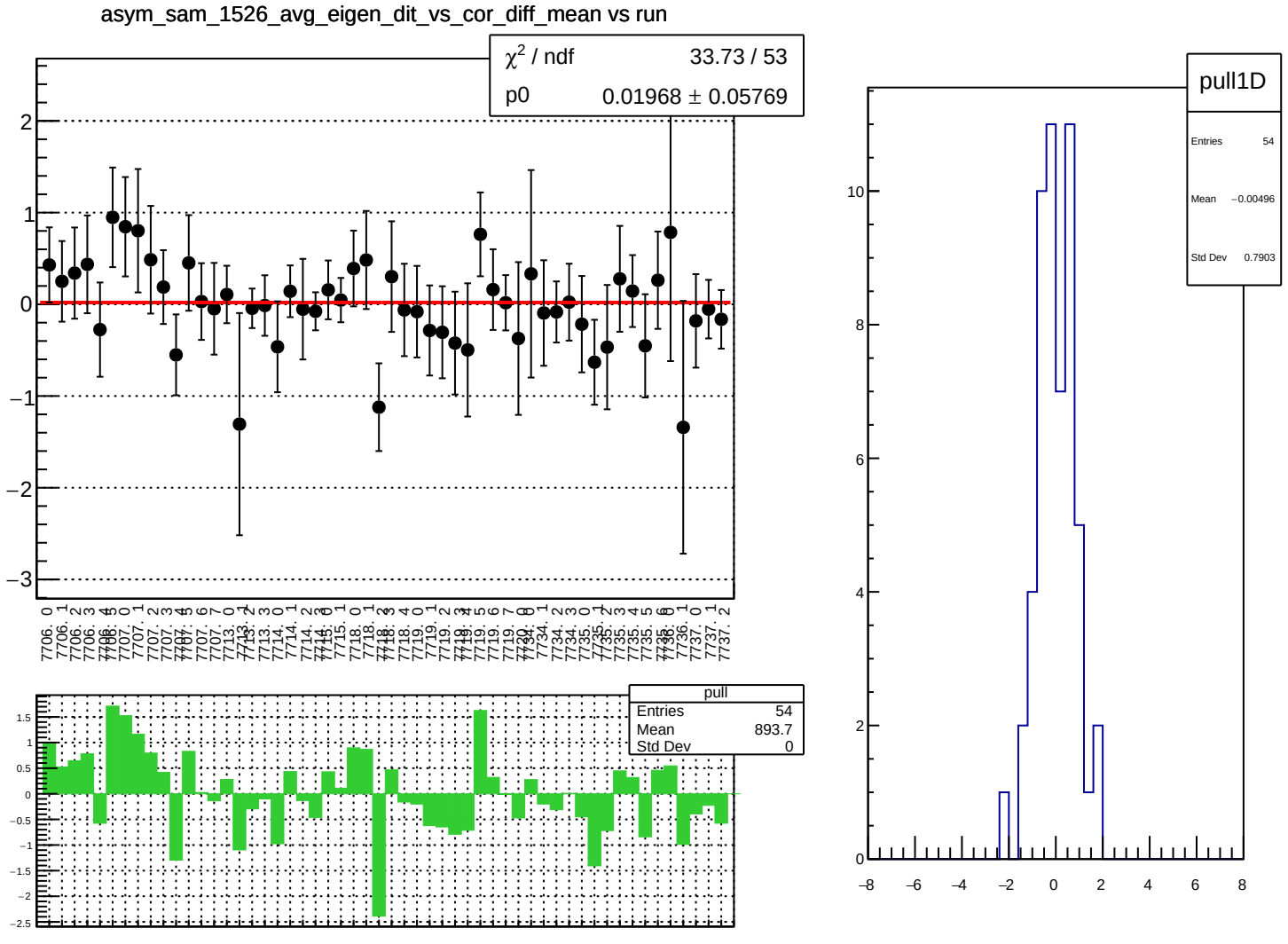

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.73 / 53
p0 0.01968 ± 0.05768
pull
Entries 54
Mean 893.2
Std Dev 0
pull1D
Entries 54
Mean −0.004962
Std Dev 0.7903

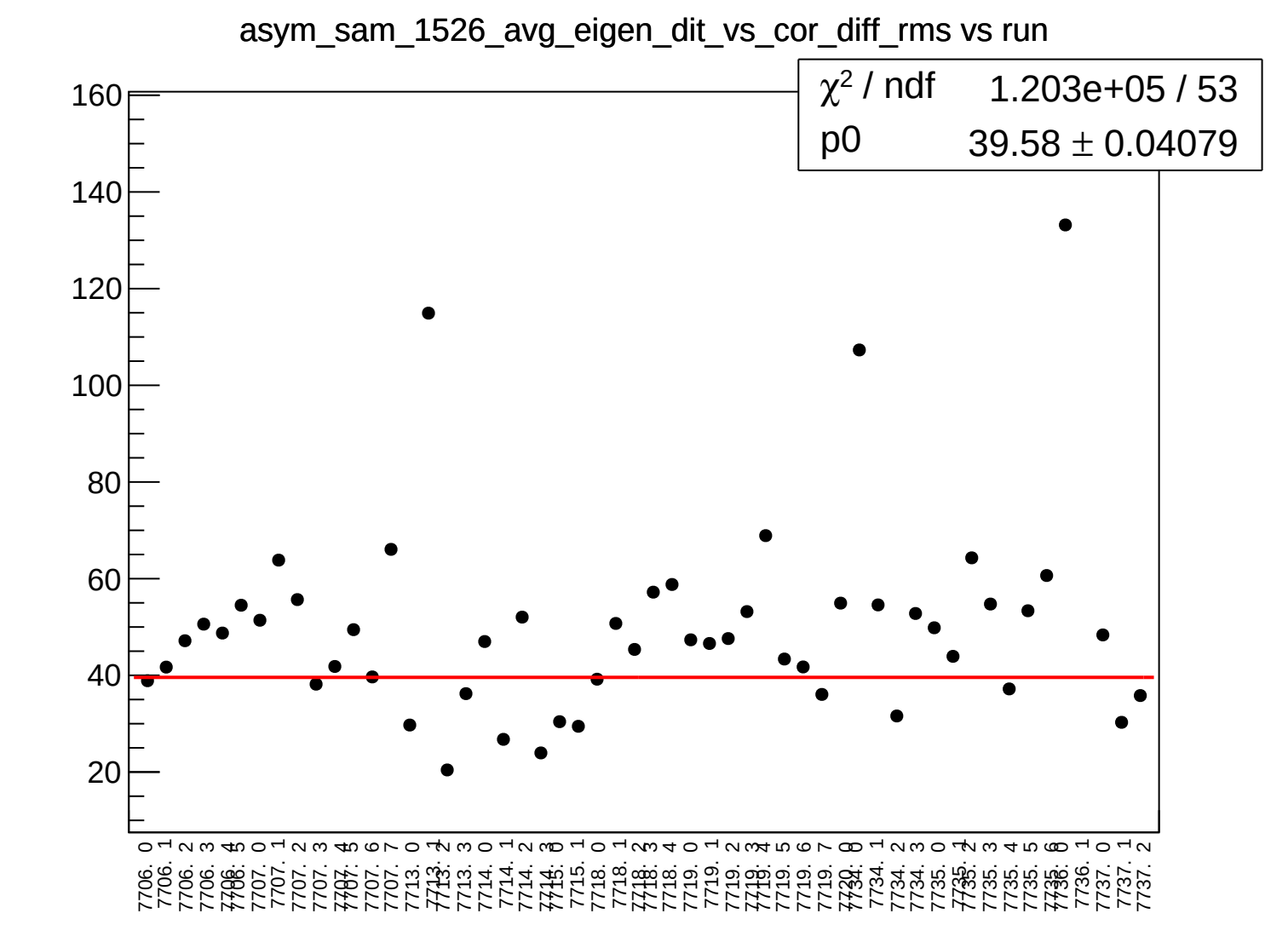

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.203e+05 / 53
p0 39.58 ± 0.04079
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

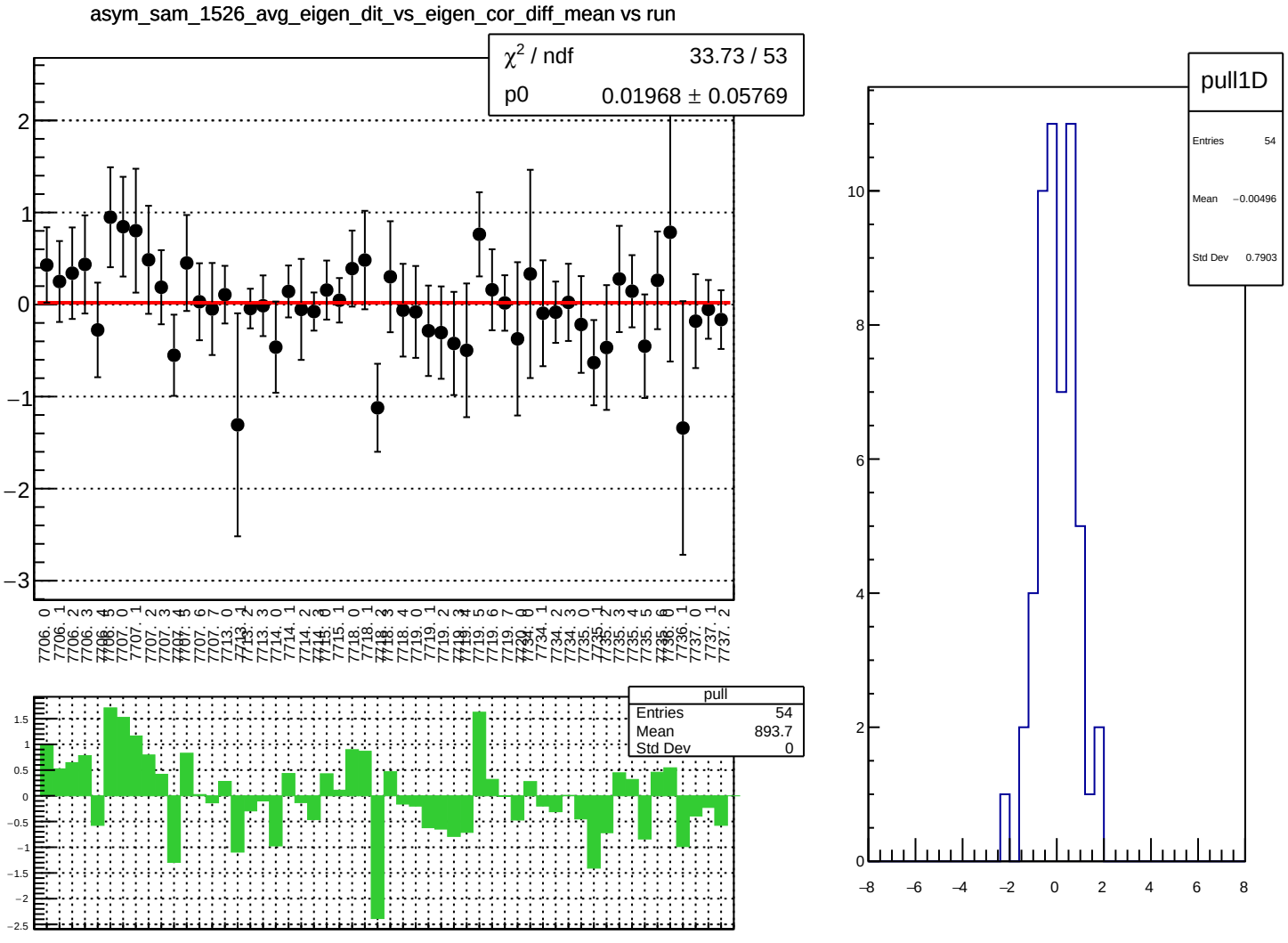

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.85 / 53
p0 4.522e−06 ± 2.984e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 54
Mean 76.01
Std Dev 0

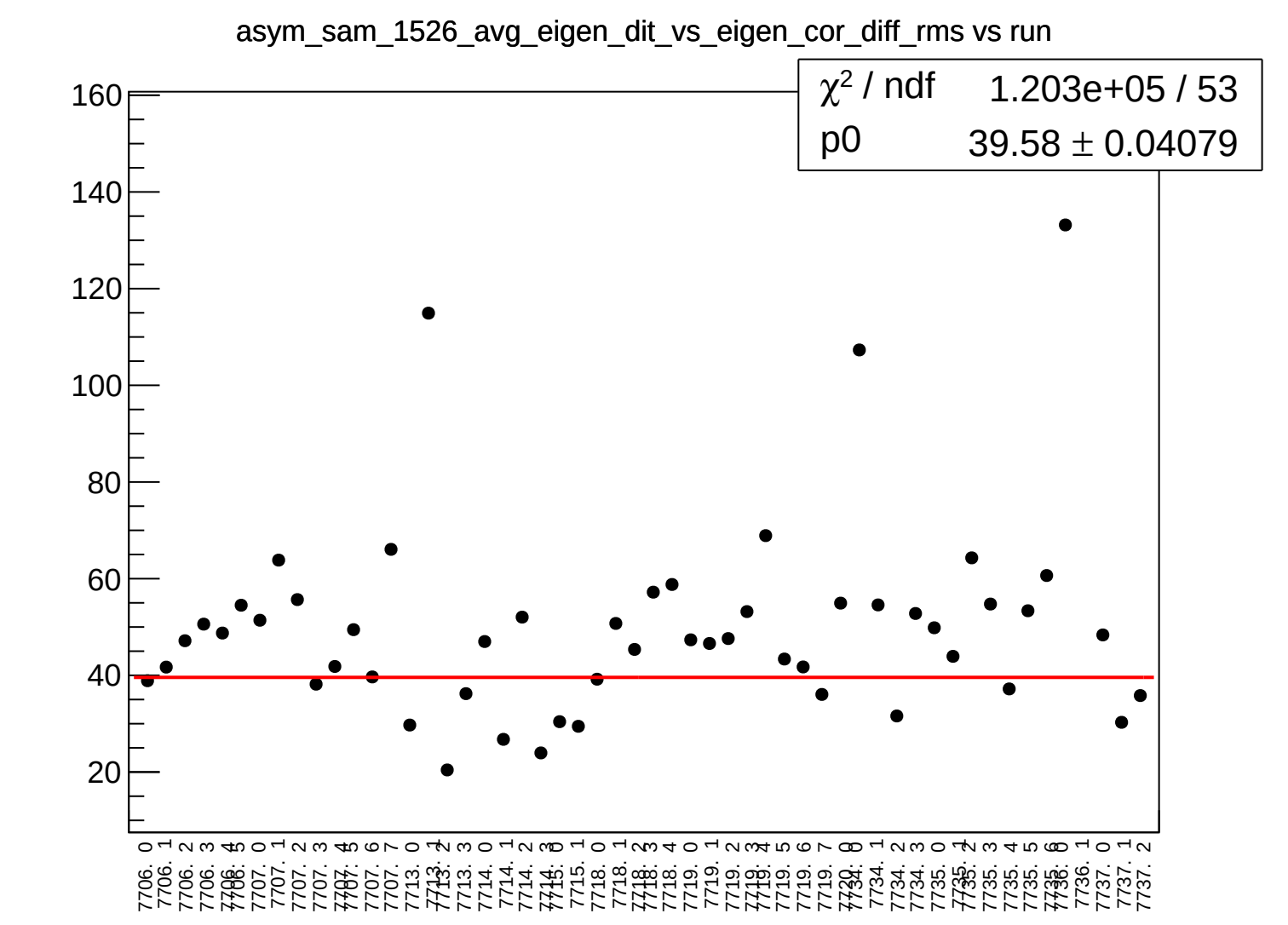

pull1D
Entries 54
Mean −0.04905
Std Dev 0.9974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

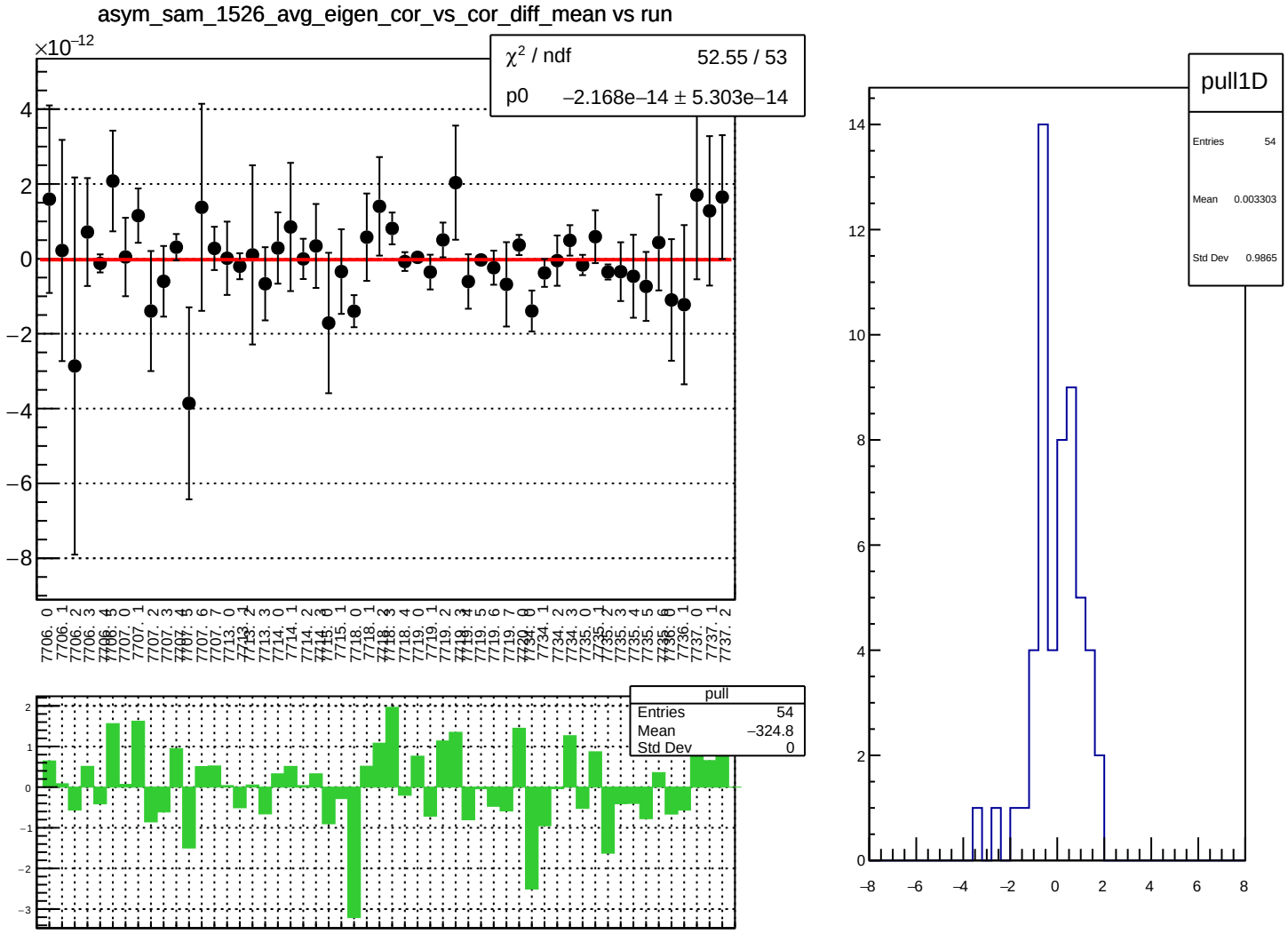

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.059e+05 / 53
p0 0.002063 ± 2.11e–06
0.006
0.005
0.004
0.003
0.002
0.001

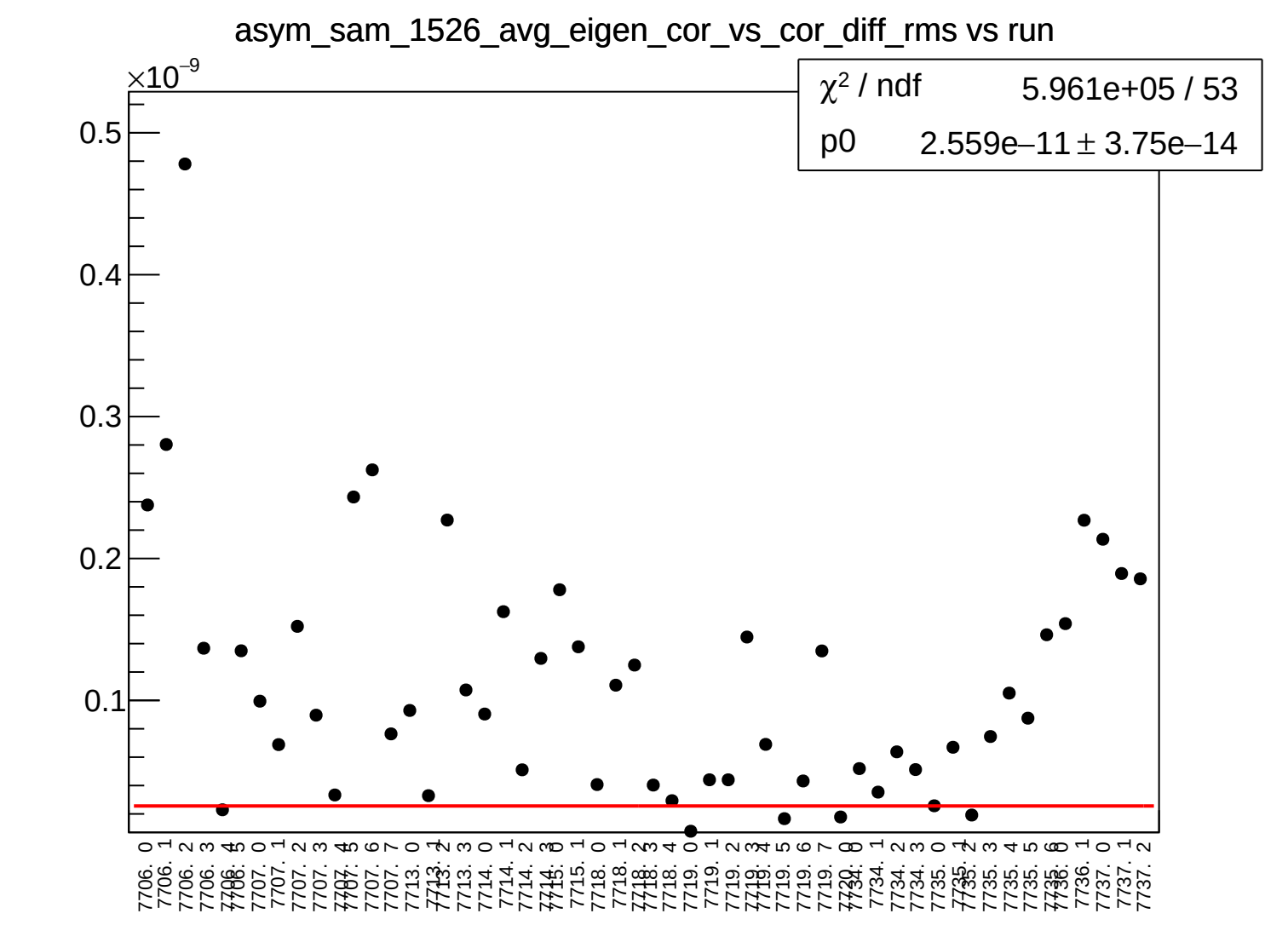

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.73 / 53
p0 0.01968 ± 0.05769
pull
Entries 54
Mean 893.7
Std Dev 0
pull1D
Entries 54
Mean −0.00496
Std Dev 0.7903

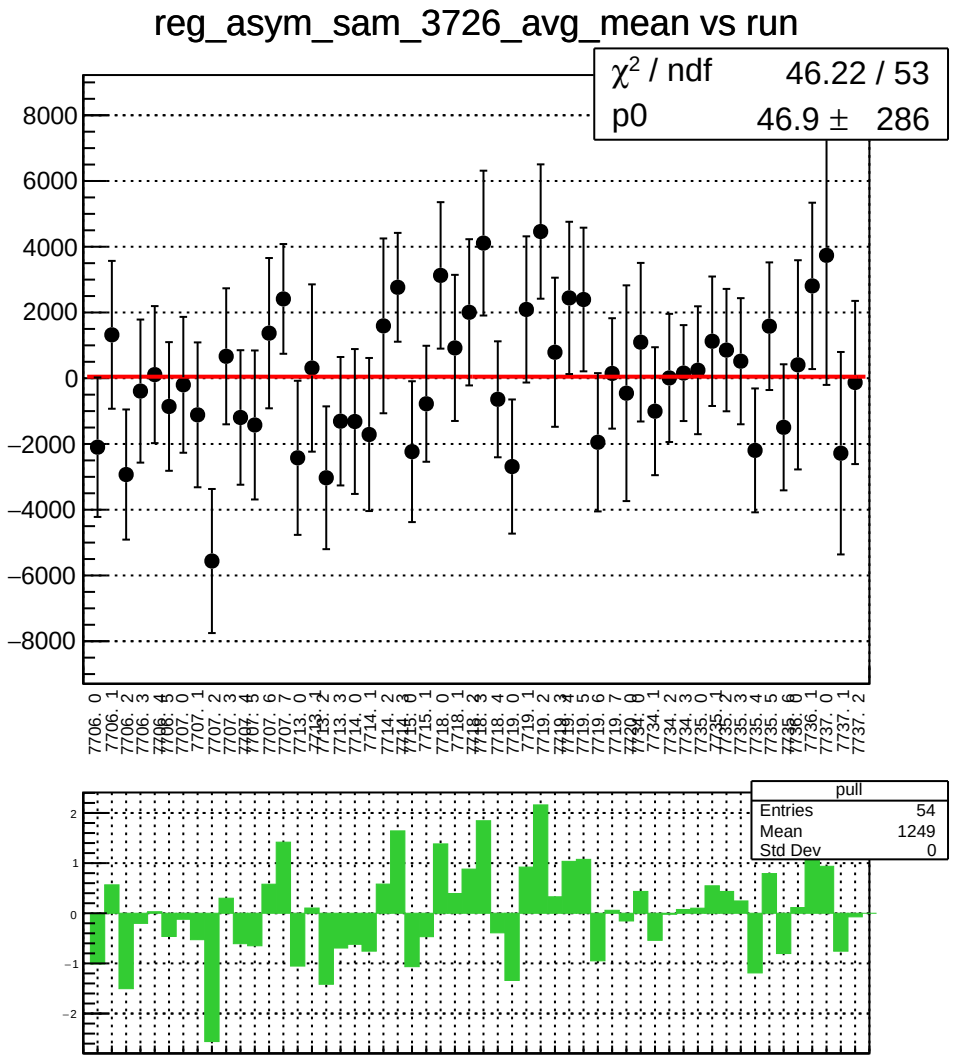

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.203e+05 / 53
p0 39.58 ± 0.04079
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

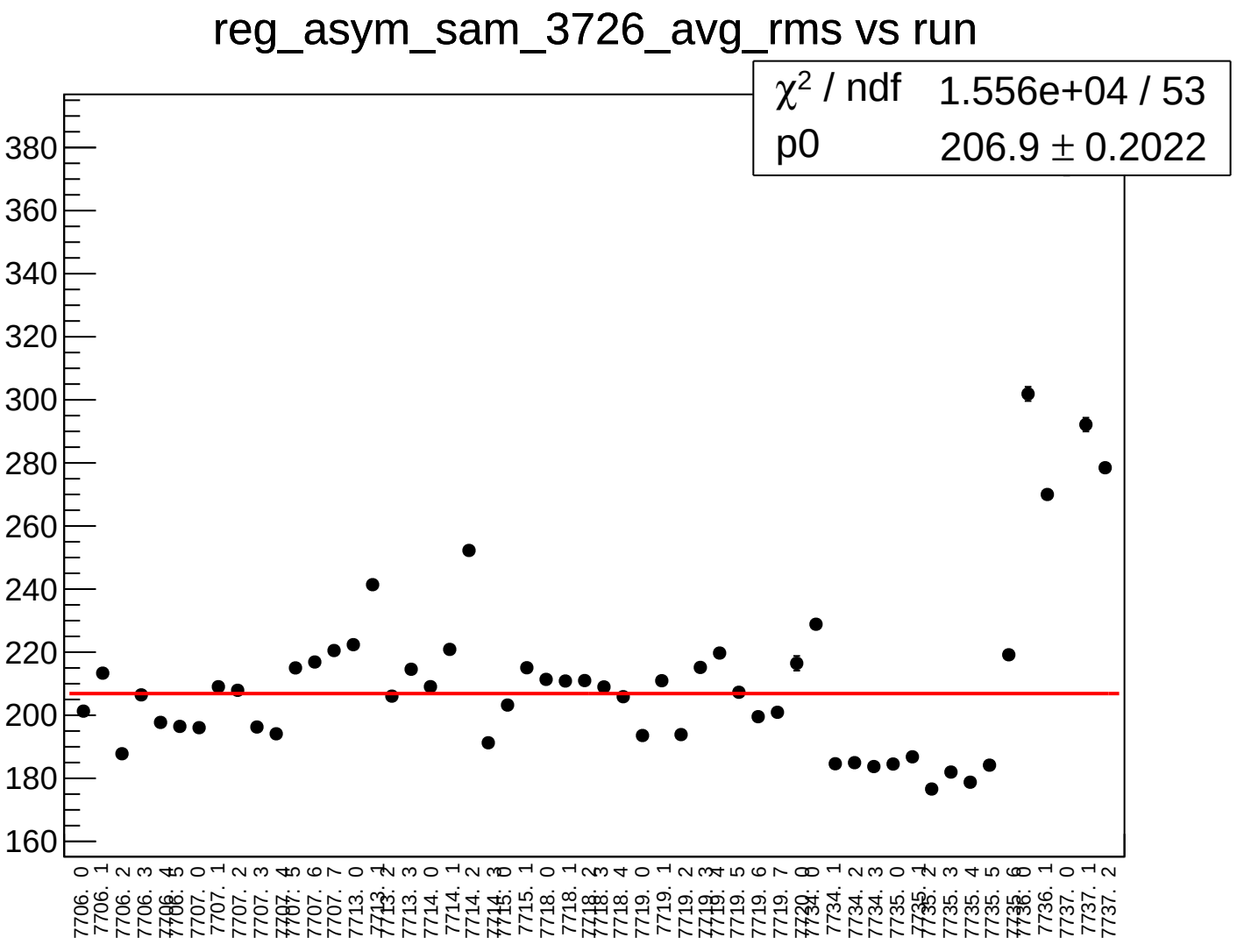

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.73 / 53
p0 0.01968 ± 0.05769
pull
Entries 54
Mean 893.7
Std Dev 0
pull1D
Entries 54
Mean −0.00496
Std Dev 0.7903

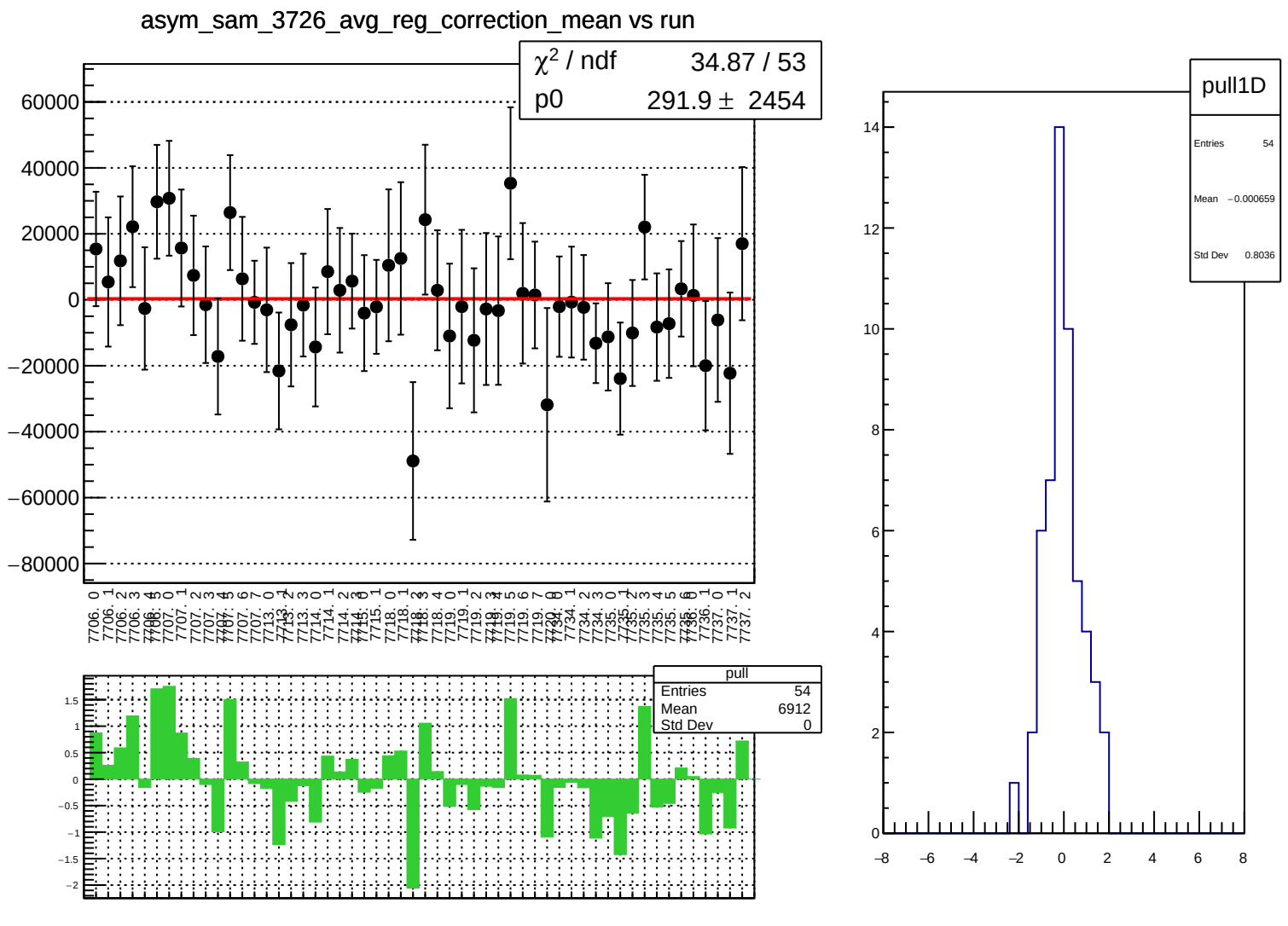

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.203e+05 / 53
p0 39.58 ± 0.04079
160
140
120
100
80
60
40
20

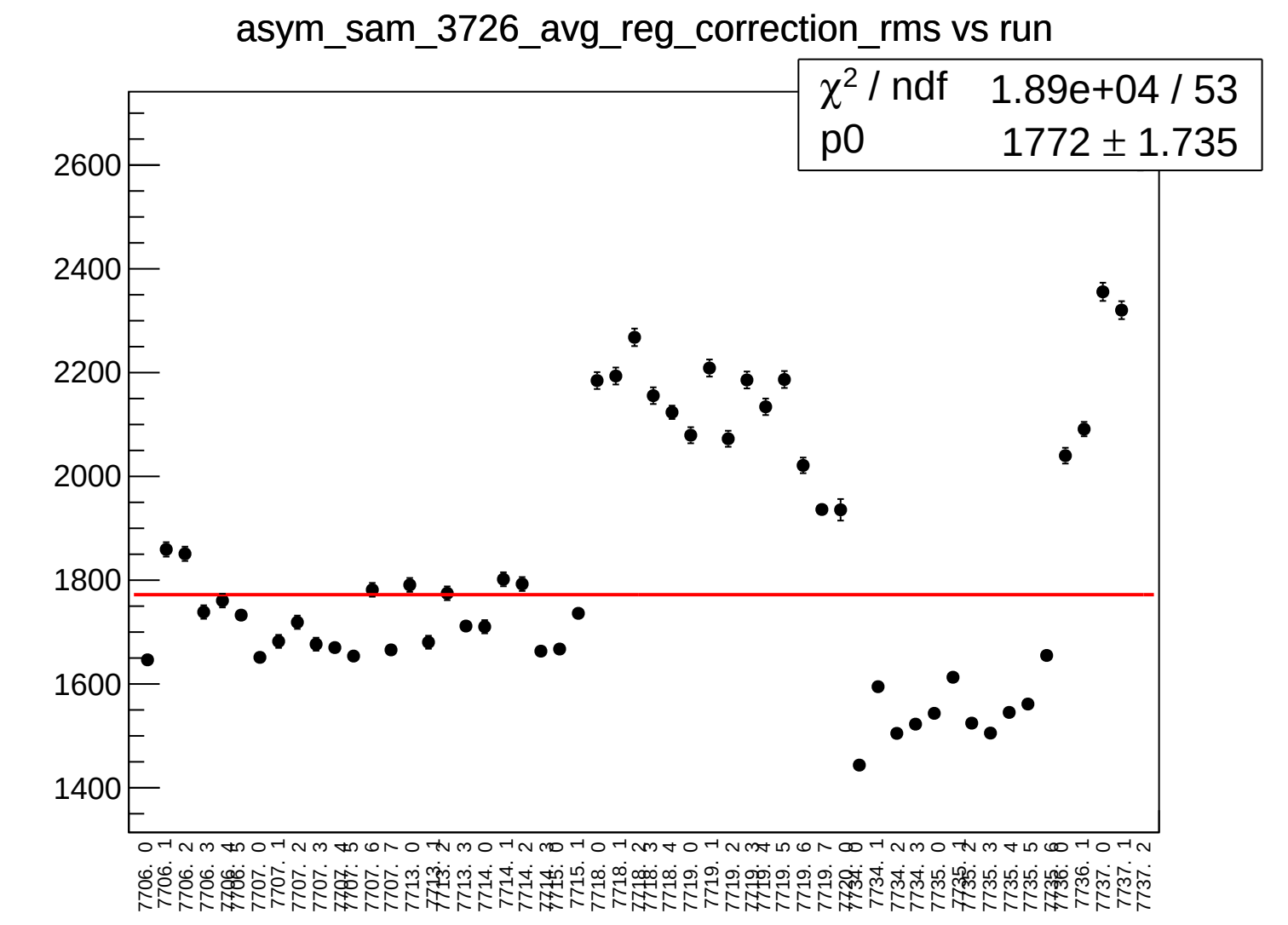

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.55 / 53
p0 −2.168e−14 ± 5.303e−14
pull
Entries 54
Mean −324.8
Std Dev 0
pull1D
Entries 54
Mean 0.003303
Std Dev 0.9865

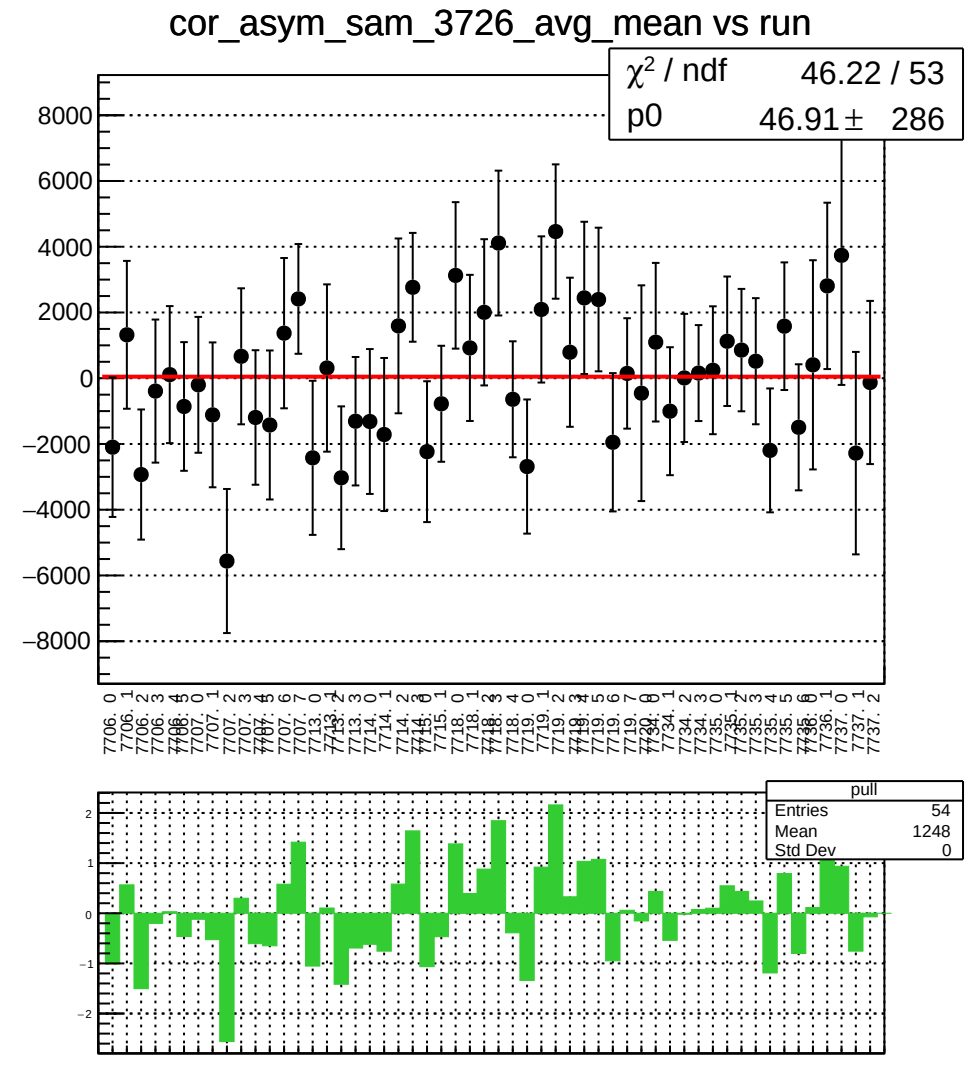

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.961e+05 / 53
p0 2.559e−11 ± 3.75e−14
0.5
0.4
0.3
0.2
0.1

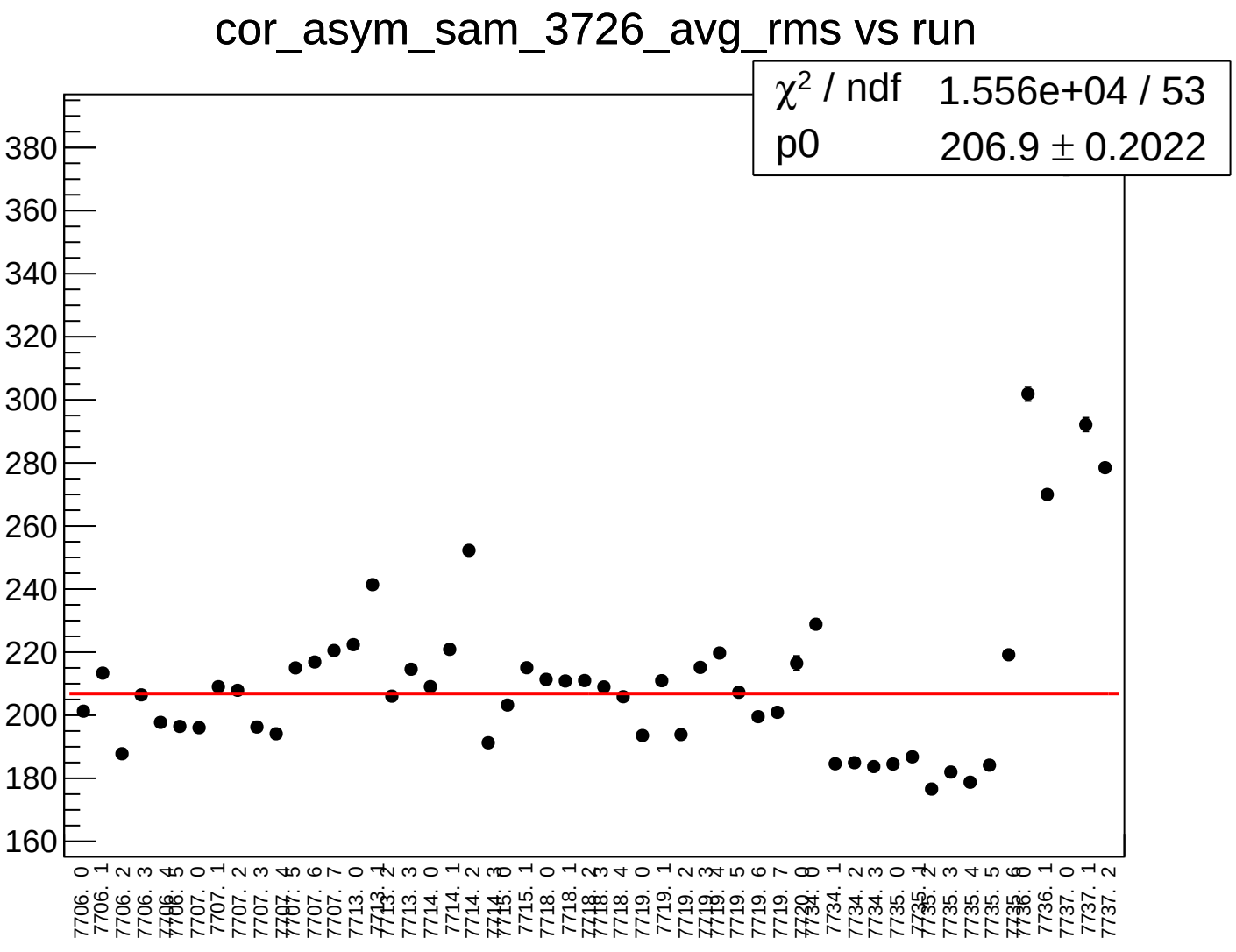

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 46.22 / 53
p0 46.9 ± 286
pull
Entries 54
Mean 1249
Std Dev 0
pull1D
Entries 54
Mean 0.002863
Std Dev 0.9252

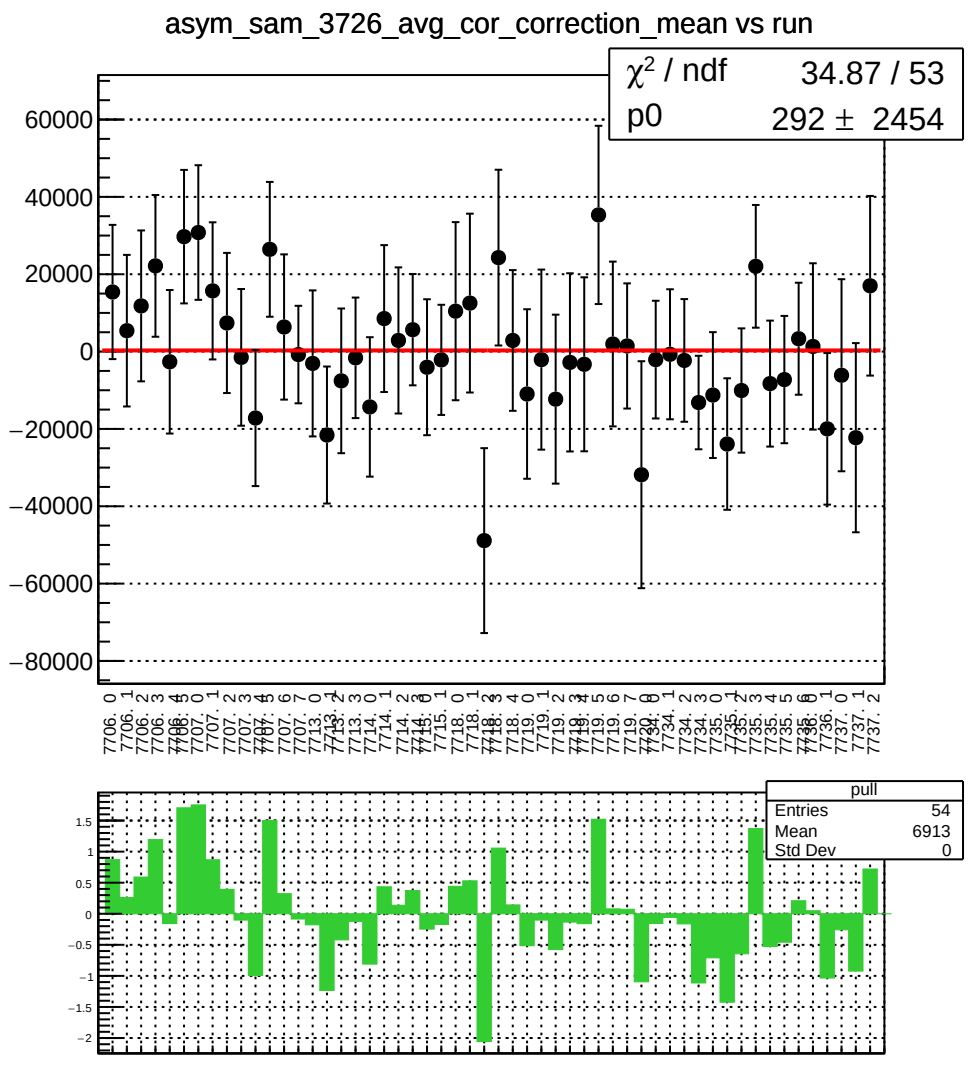

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.556e+04 / 53
p0 206.9 ± 0.2022
380
360
340
320
300
280
260
240
220
200
180
160

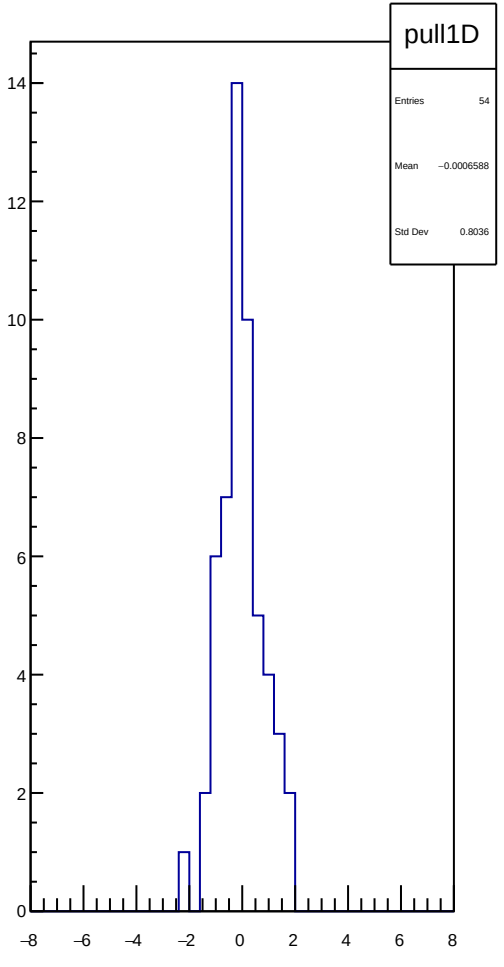

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 34.87 / 53
p0 291.9 ± 2454
pull
Entries 54
Mean 6912
Std Dev 0
pull1D
Entries 54
Mean −0.000659
Std Dev 0.8036

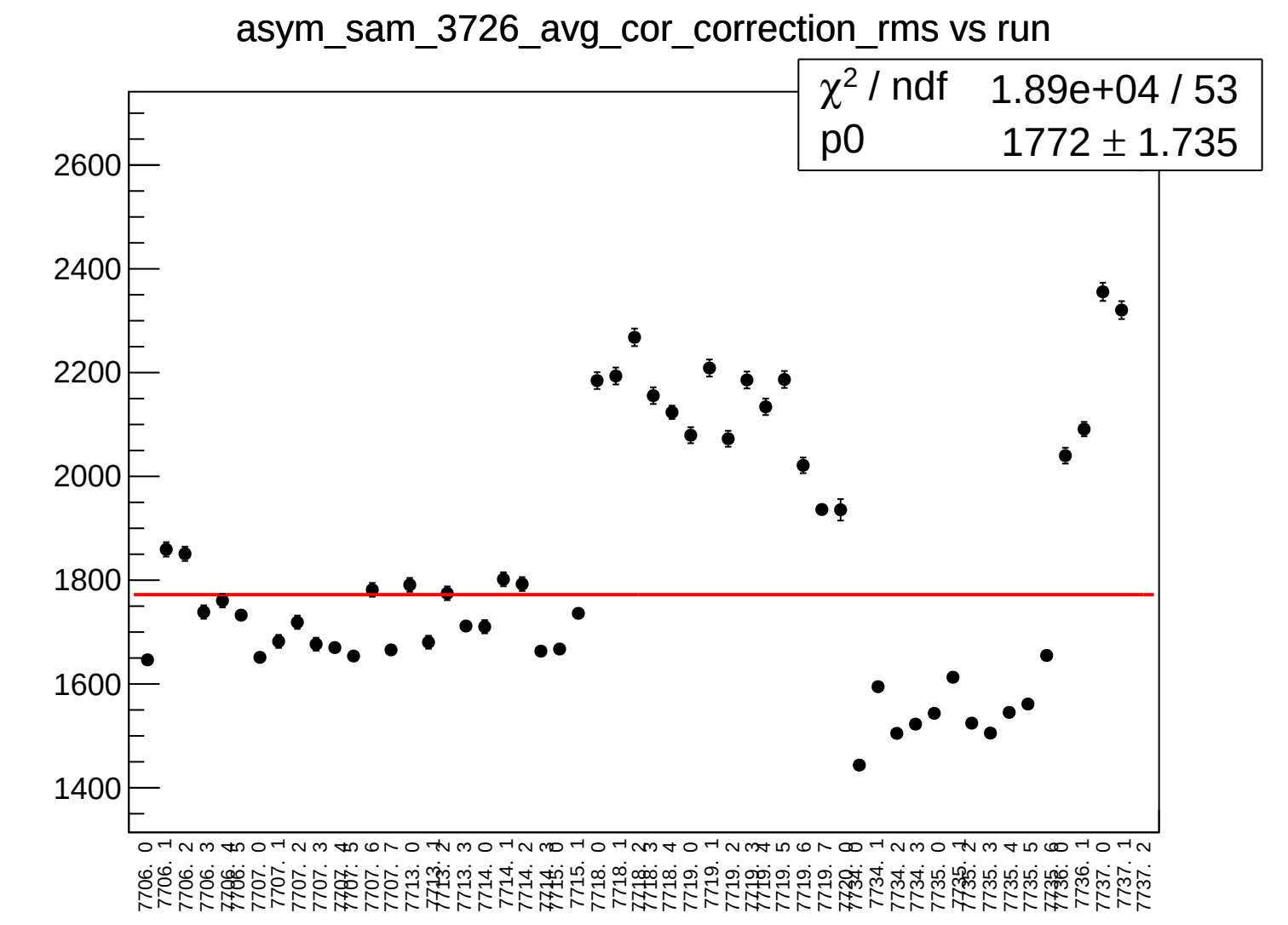

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 1.89e+04 / 53
p0 1772 ± 1.735
2600
2400
2200
2000
1800
1600
1400

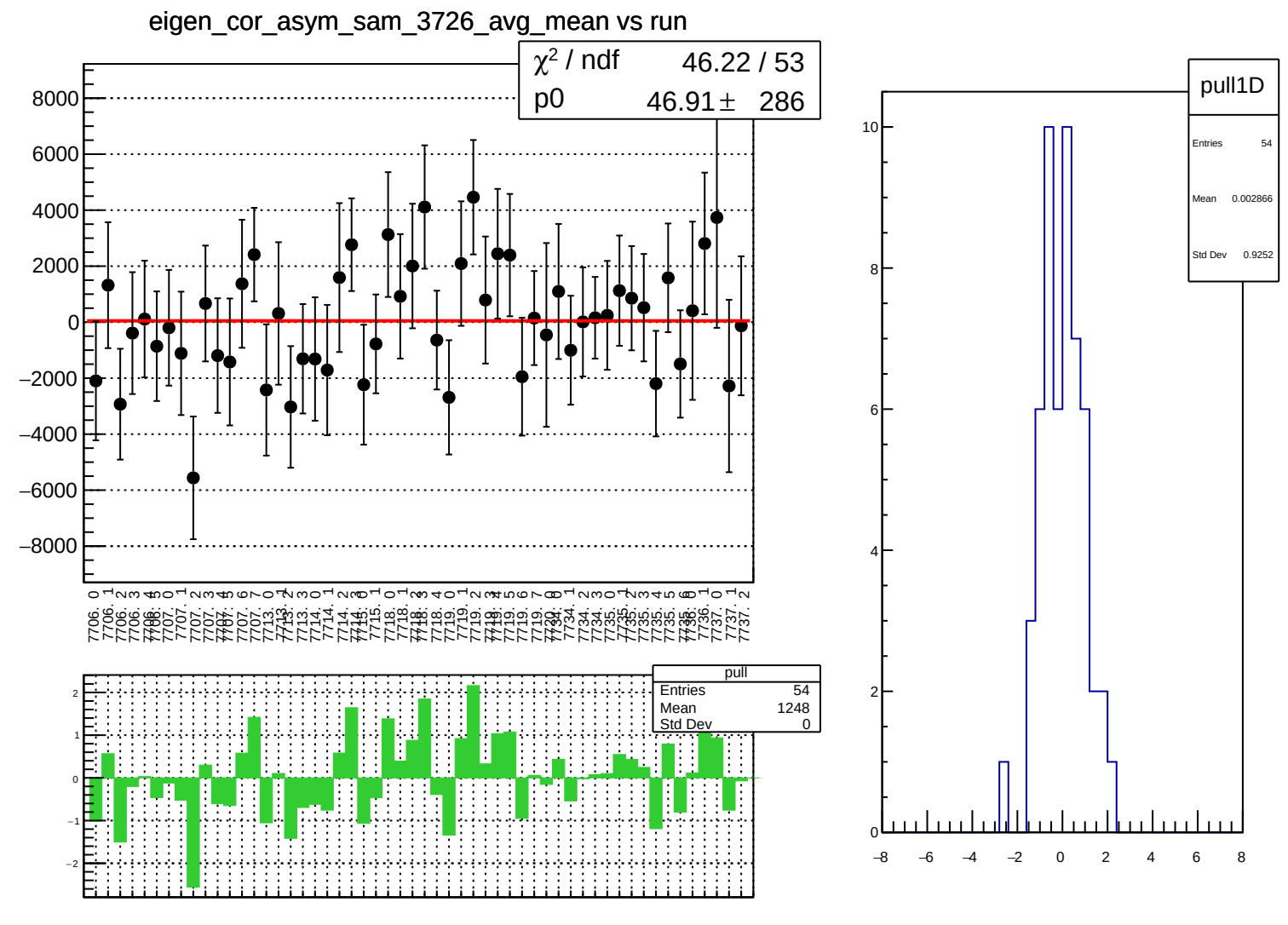

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 46.22 / 53
p0 46.91 ± 286
pull
Entries 54
Mean 1248
Std Dev 0
pull1D
Entries 54
Mean 0.002866
Std Dev 0.9252

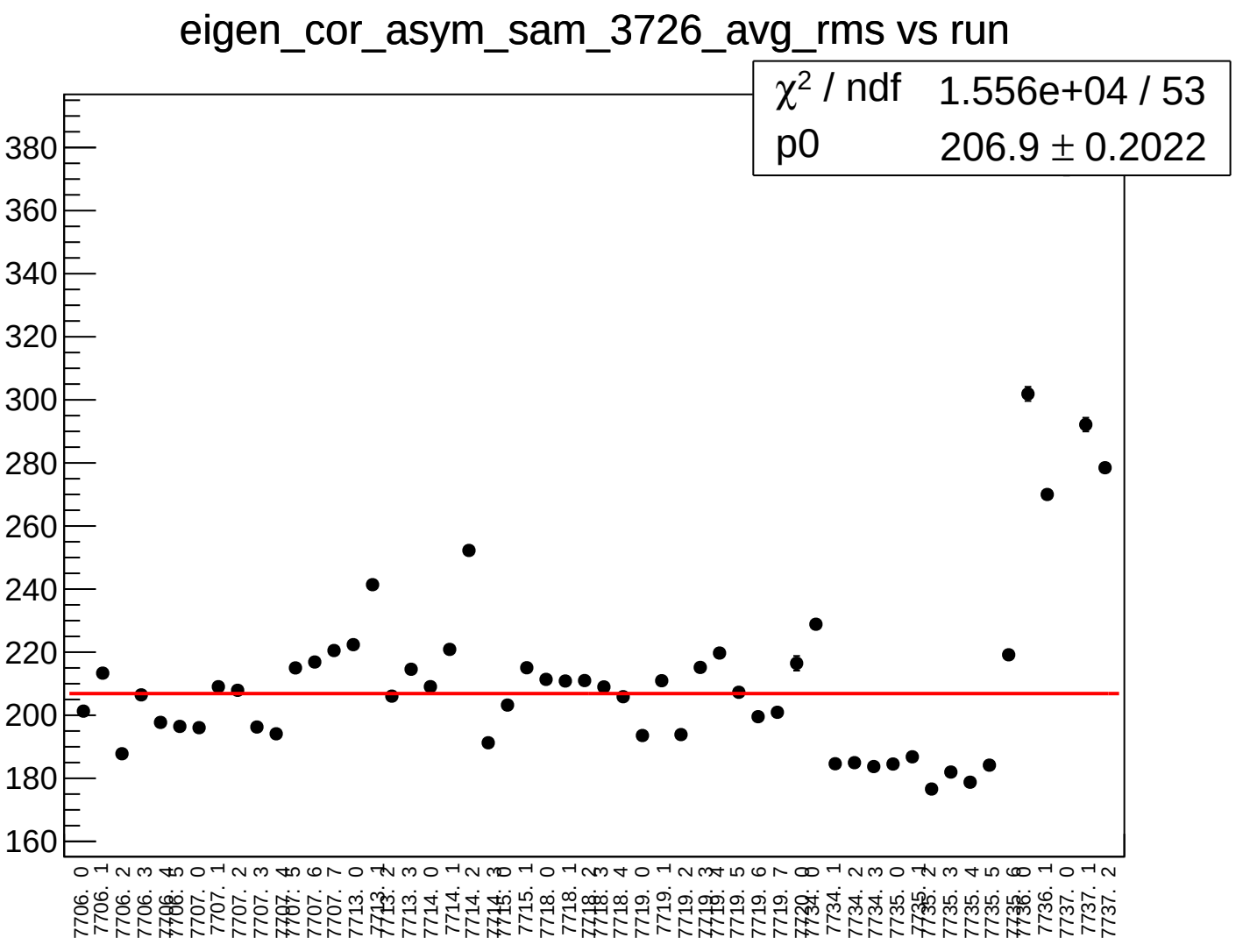

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.556e+04 / 53
p0 206.9 ± 0.2022
380
360
340
320
300
280
260
240
220
200
180
160

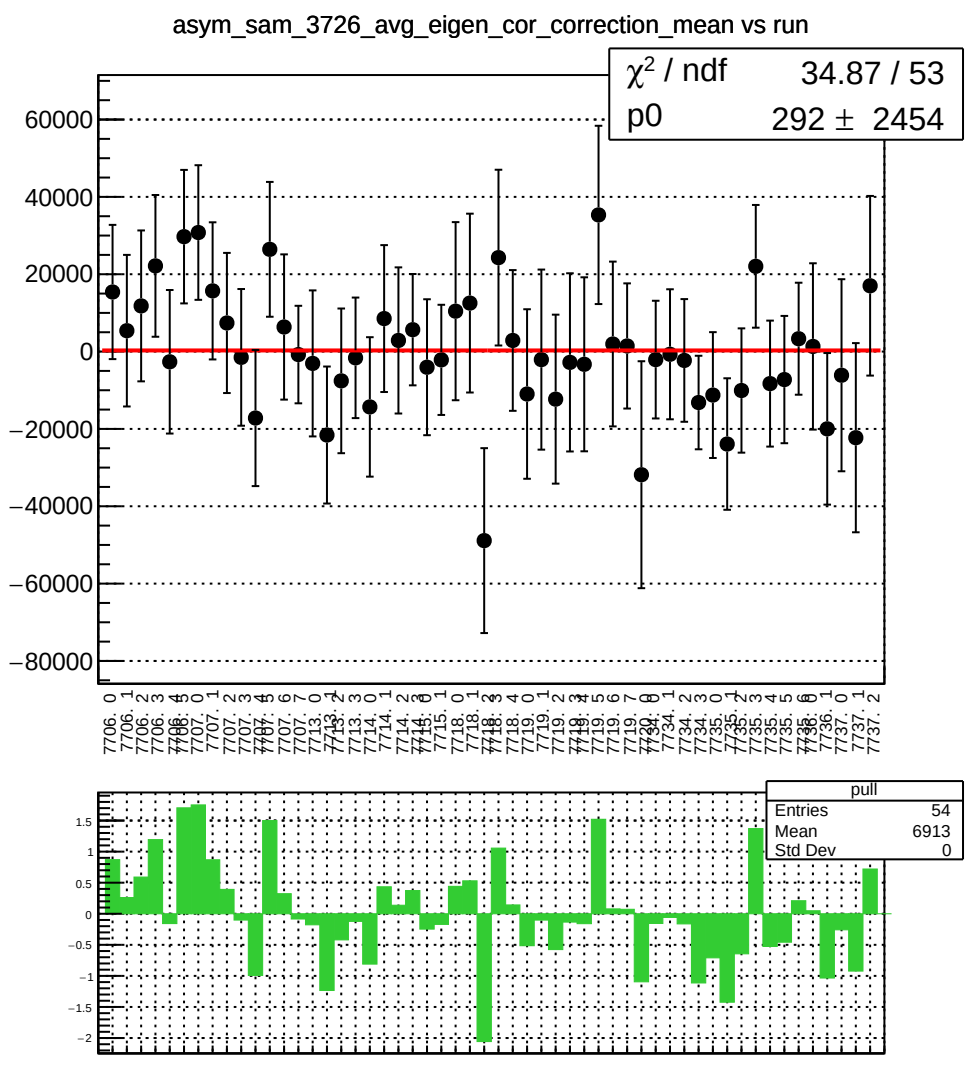

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 34.87 / 53
p0 292 ± 2454
pull
Entries 54
Mean 6913
Std Dev 0

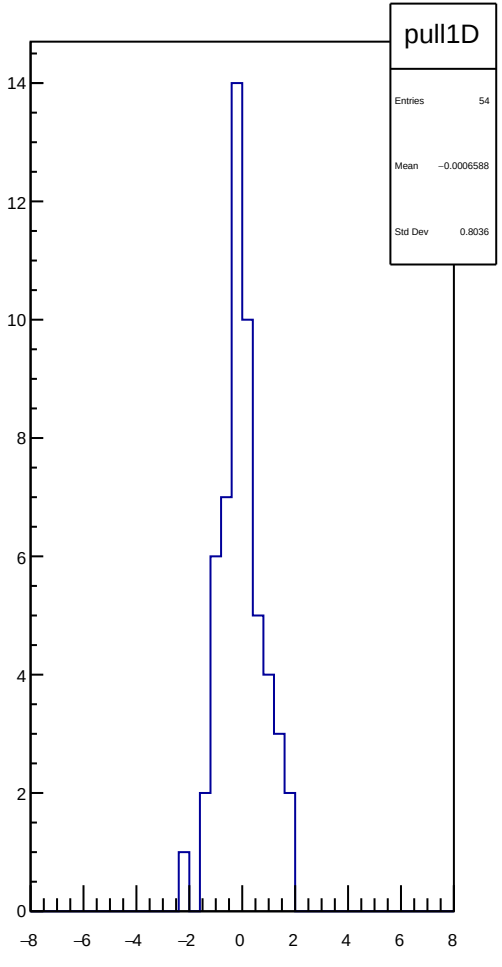

pull1D
Entries 54
Mean −0.0006588
Std Dev 0.8036

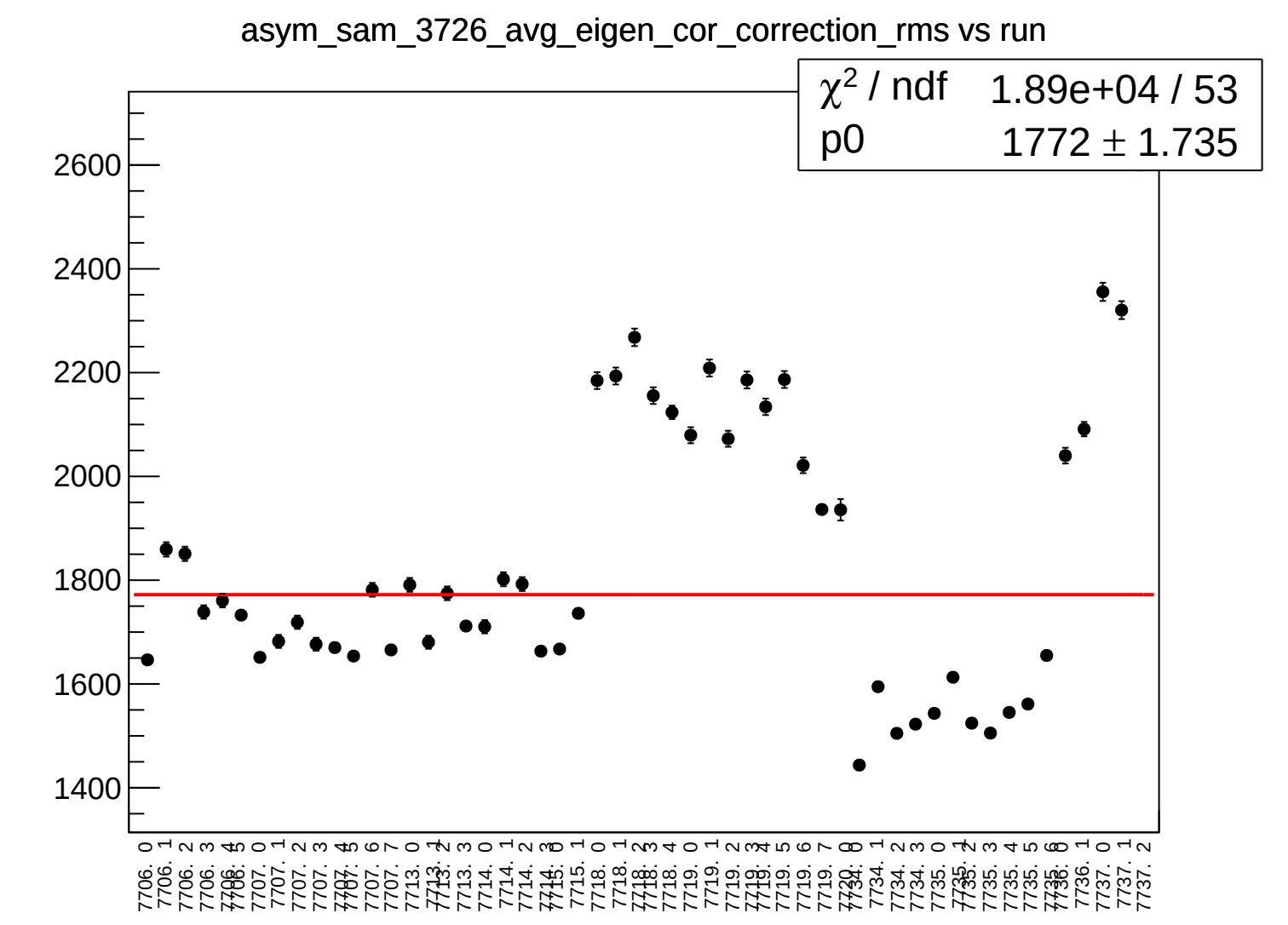

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 1.89e+04 / 53
p0 1772 ± 1.735
2600
2400
2200
2000
1800
1600
1400

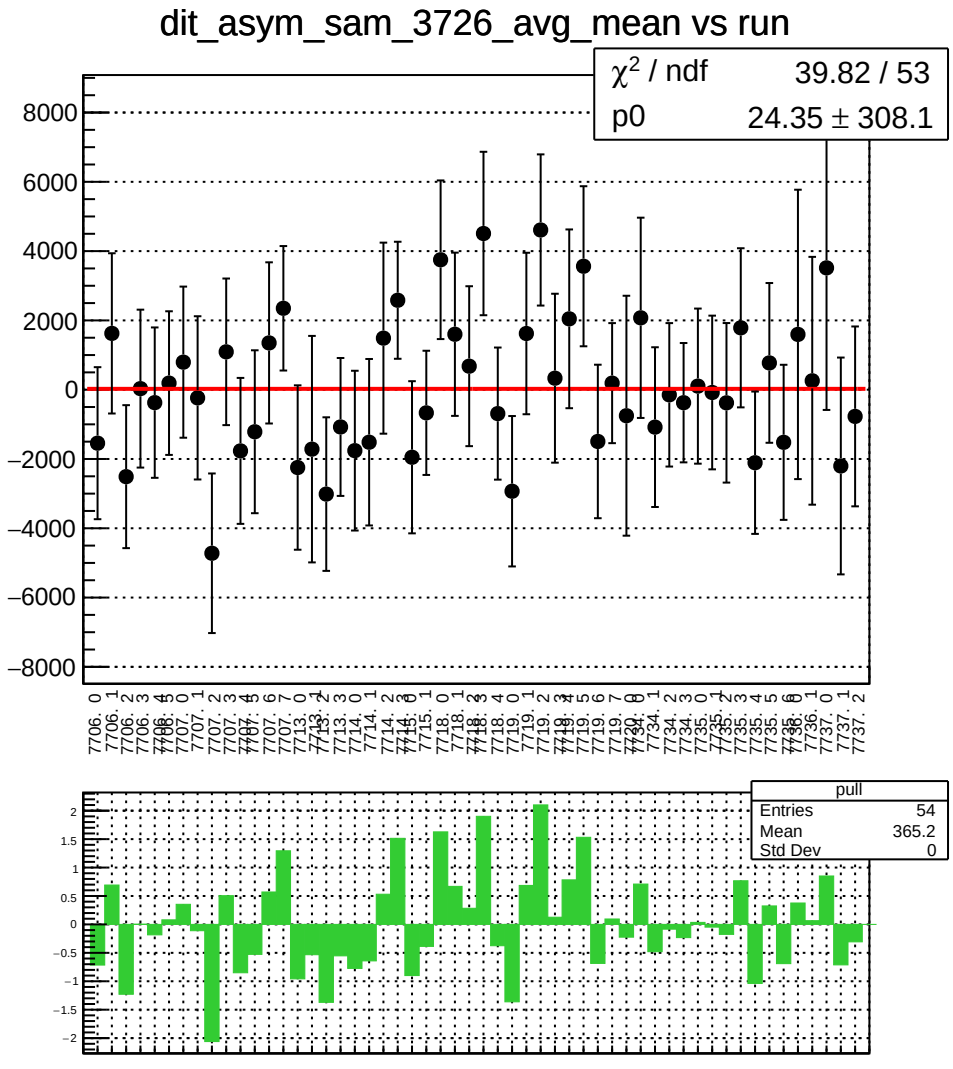

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 46.22 / 53
p0 46.91 ± 286
pull
Entries 54
Mean 1248
Std Dev 0
pull1D
Entries 54
Mean 0.002866
Std Dev 0.9252

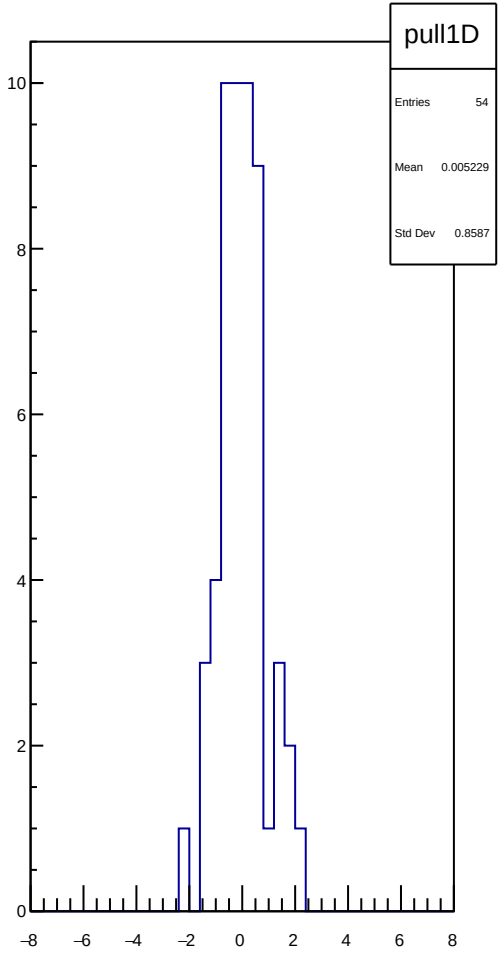

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.556e+04 / 53
p0 206.9 ± 0.2022
380
360
340
320
300
280
260
240
220
200
180
160

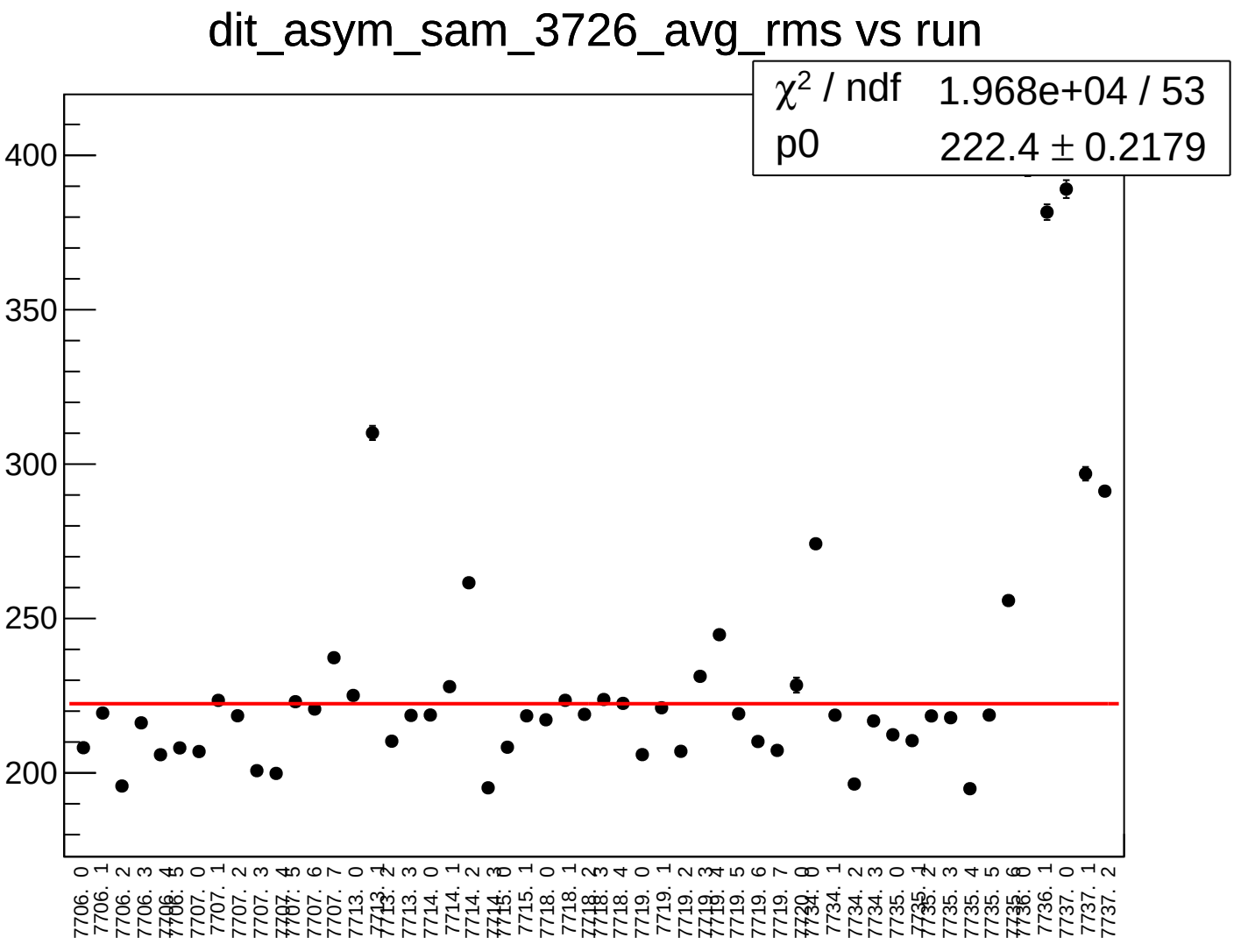

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.87 / 53
p0 292 ± 2454
pull
Entries 54
Mean 6913
Std Dev 0

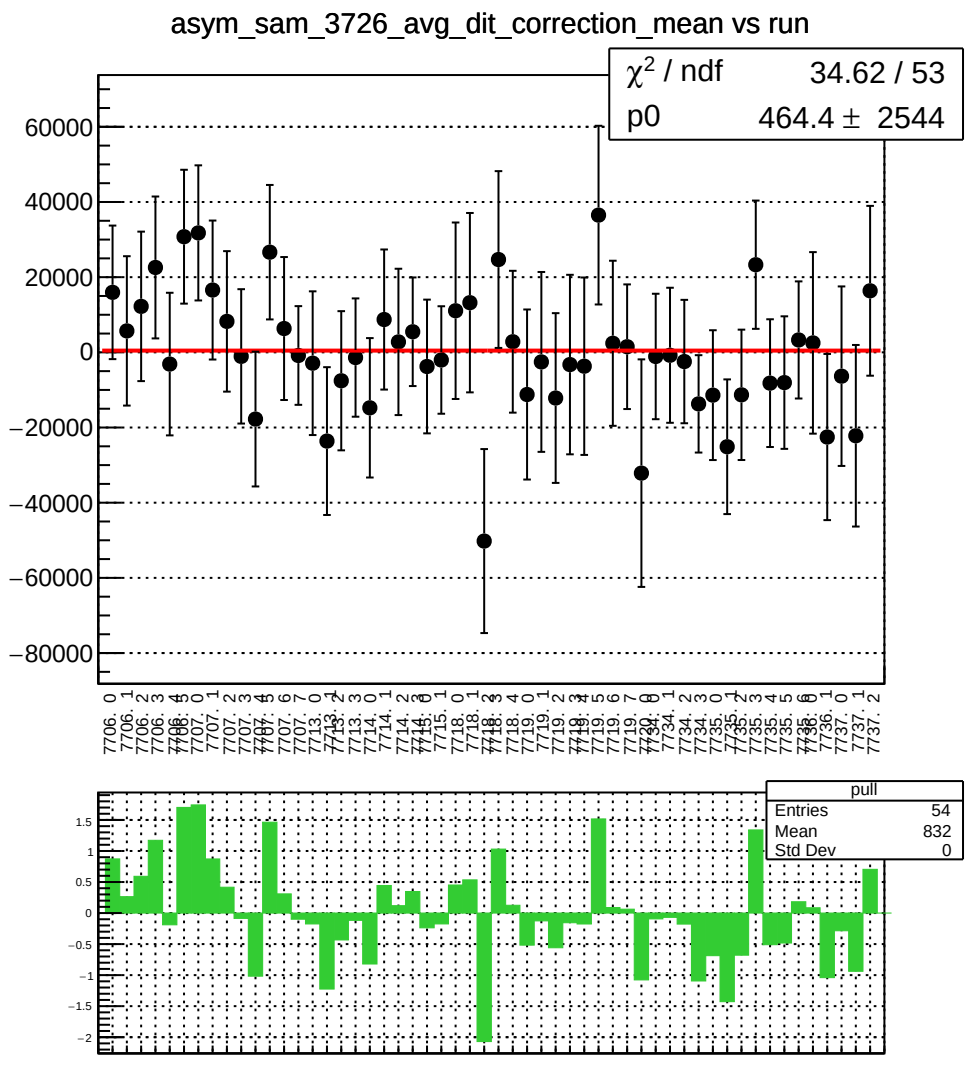

pull1D
Entries 54
Mean −0.0006588
Std Dev 0.8036

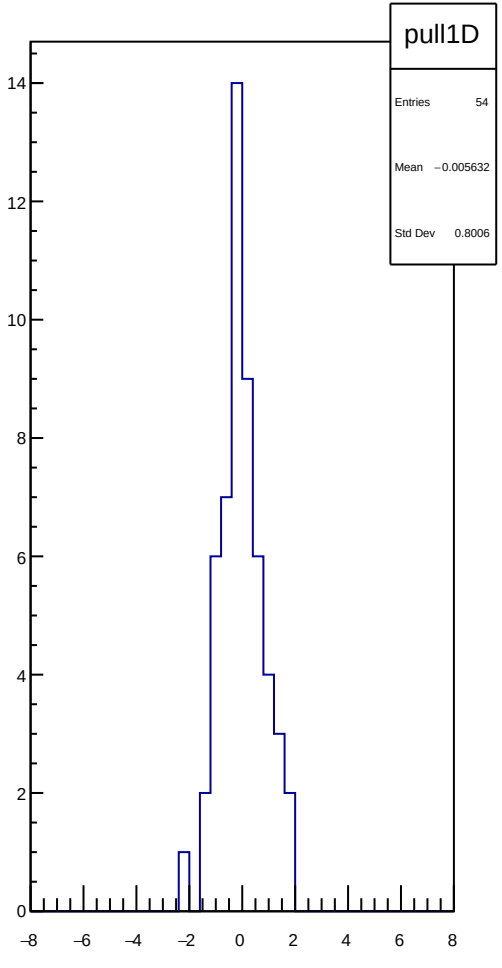

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.89e+04 / 53
p0 1772 ± 1.735
2600
2400
2200
2000
1800
1600
1400

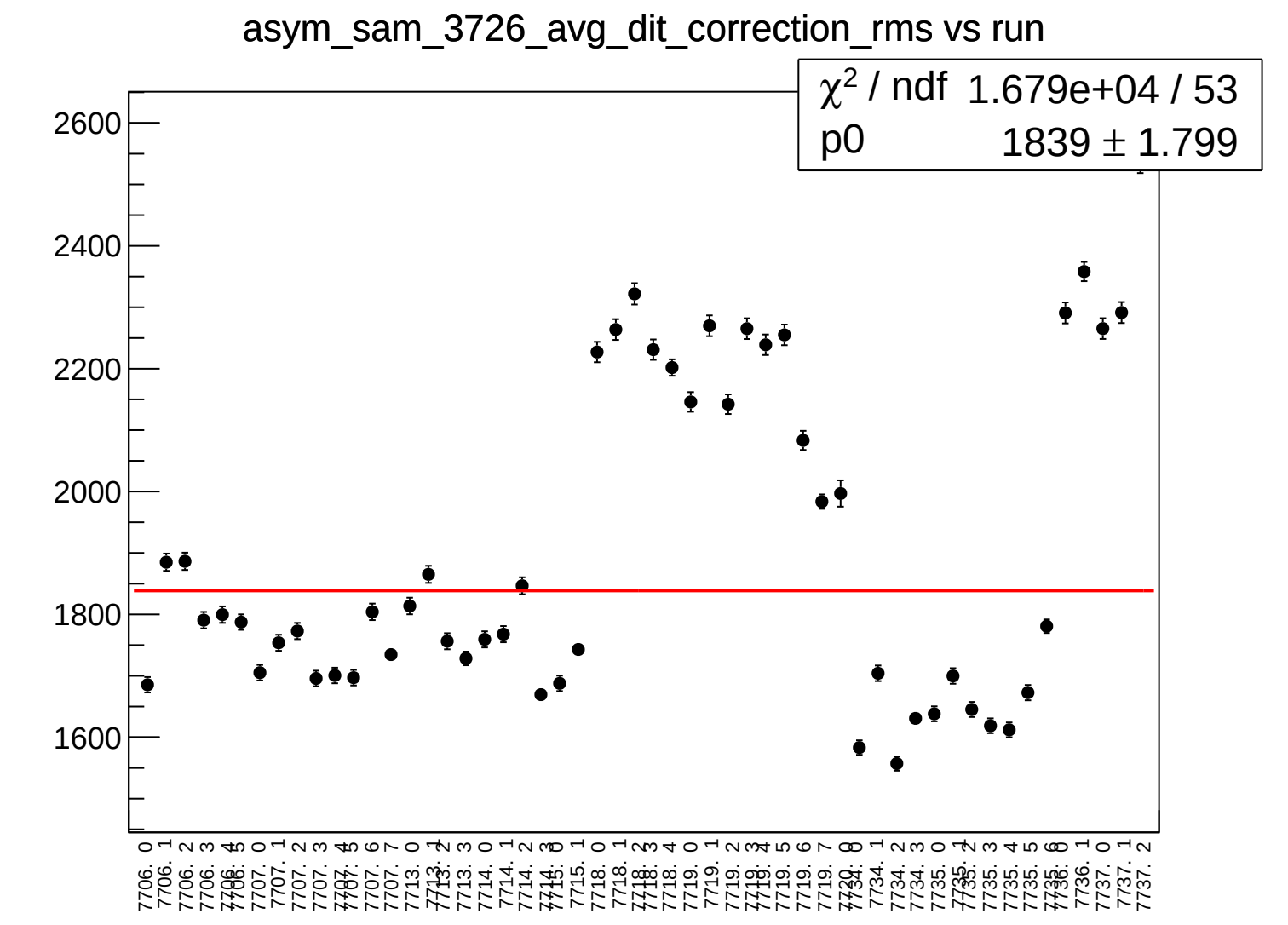

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 39.82 / 53
p0 24.35 ± 308.1
pull
Entries 54
Mean 365.2
Std Dev 0

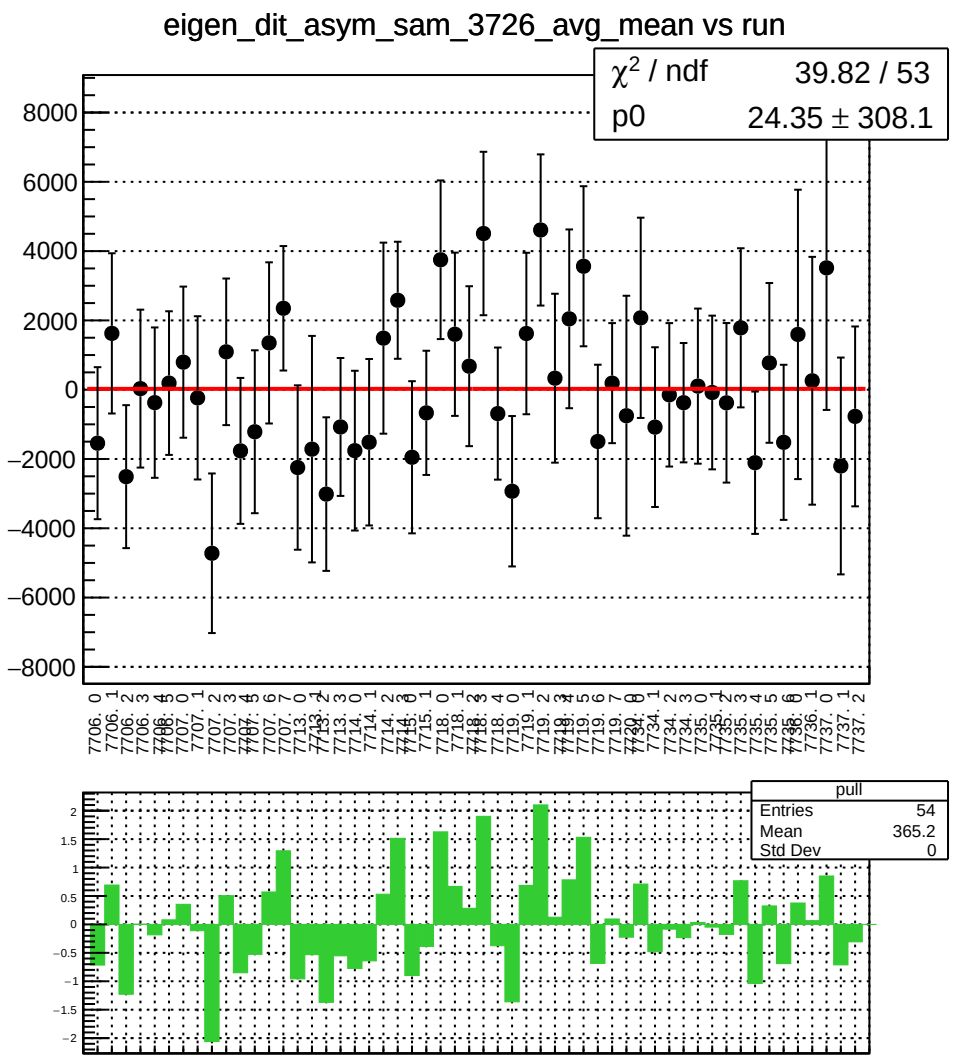

pull1D
Entries 54
Mean 0.005229
Std Dev 0.8587

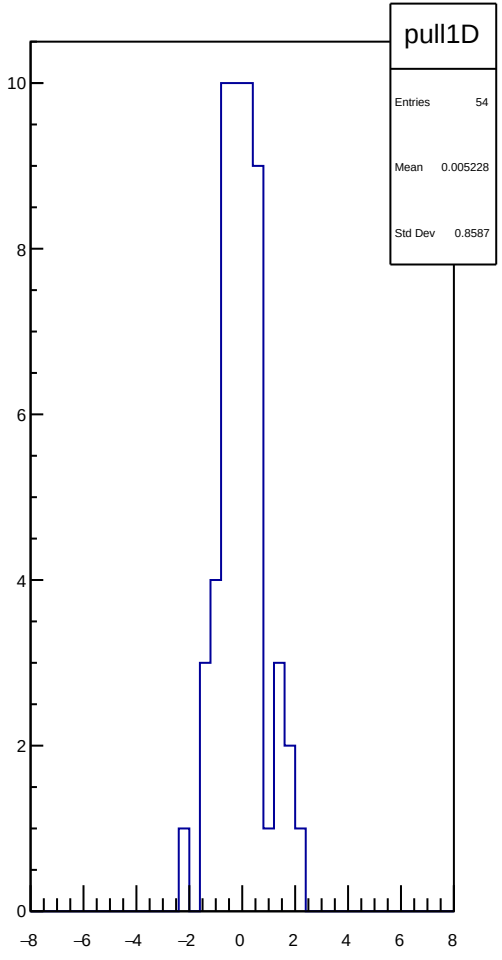

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.968e+04 / 53
p0 222.4 ± 0.2179
400
350
300
250
200

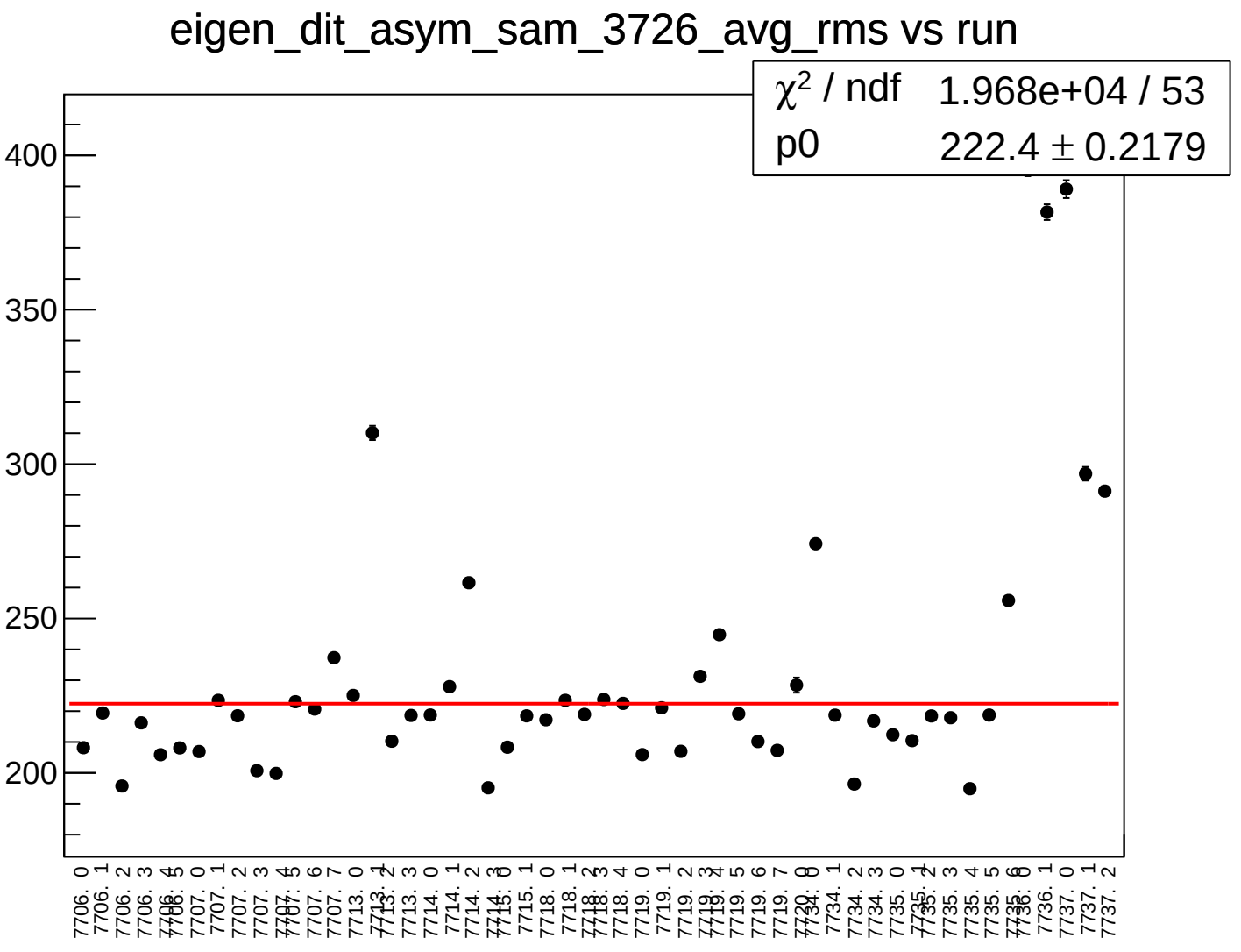

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 34.62 / 53
p0 464.4 ± 2544
pull
Entries 54
Mean 832
Std Dev 0

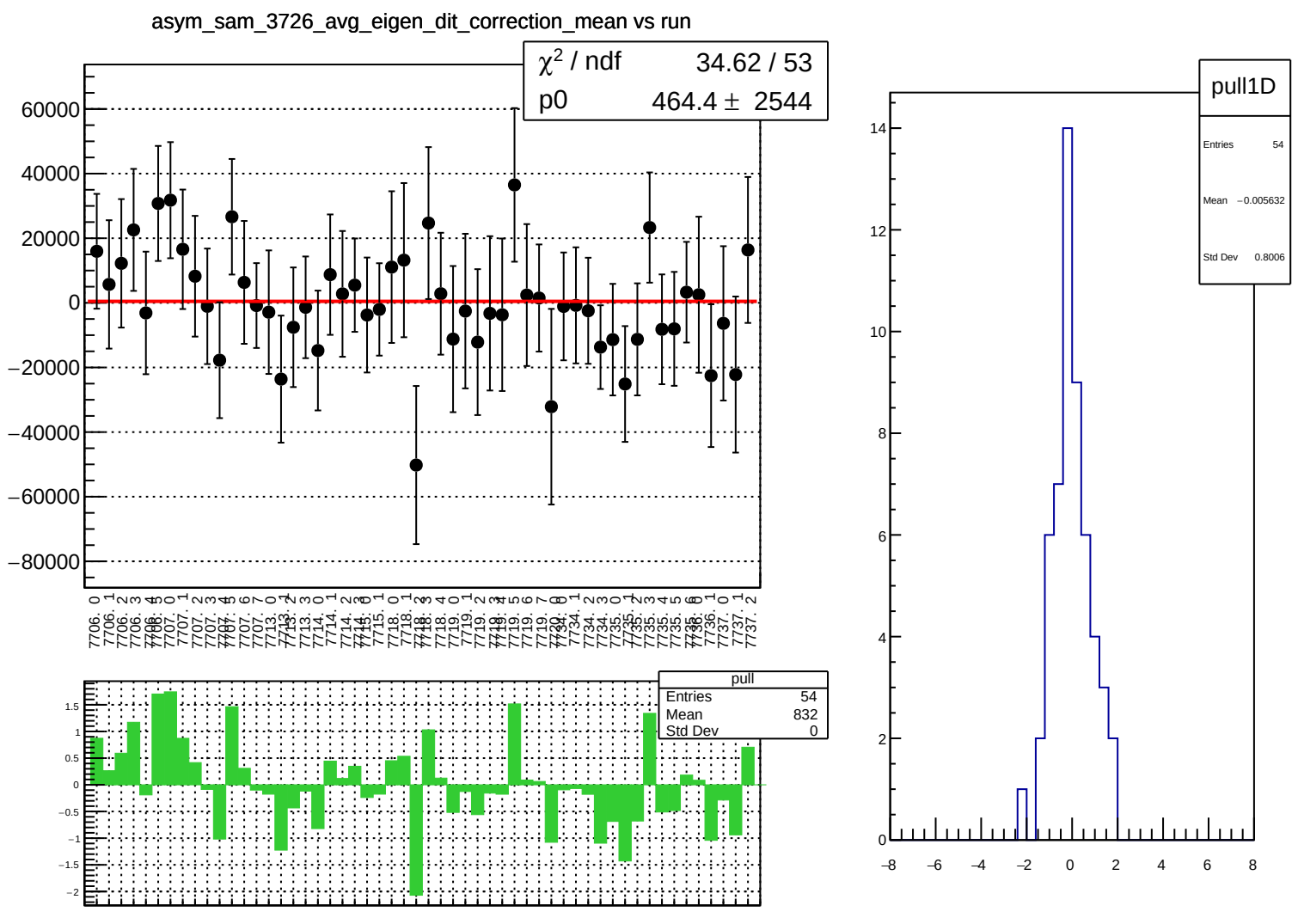

pull1D
Entries 54
Mean −0.005632
Std Dev 0.8006

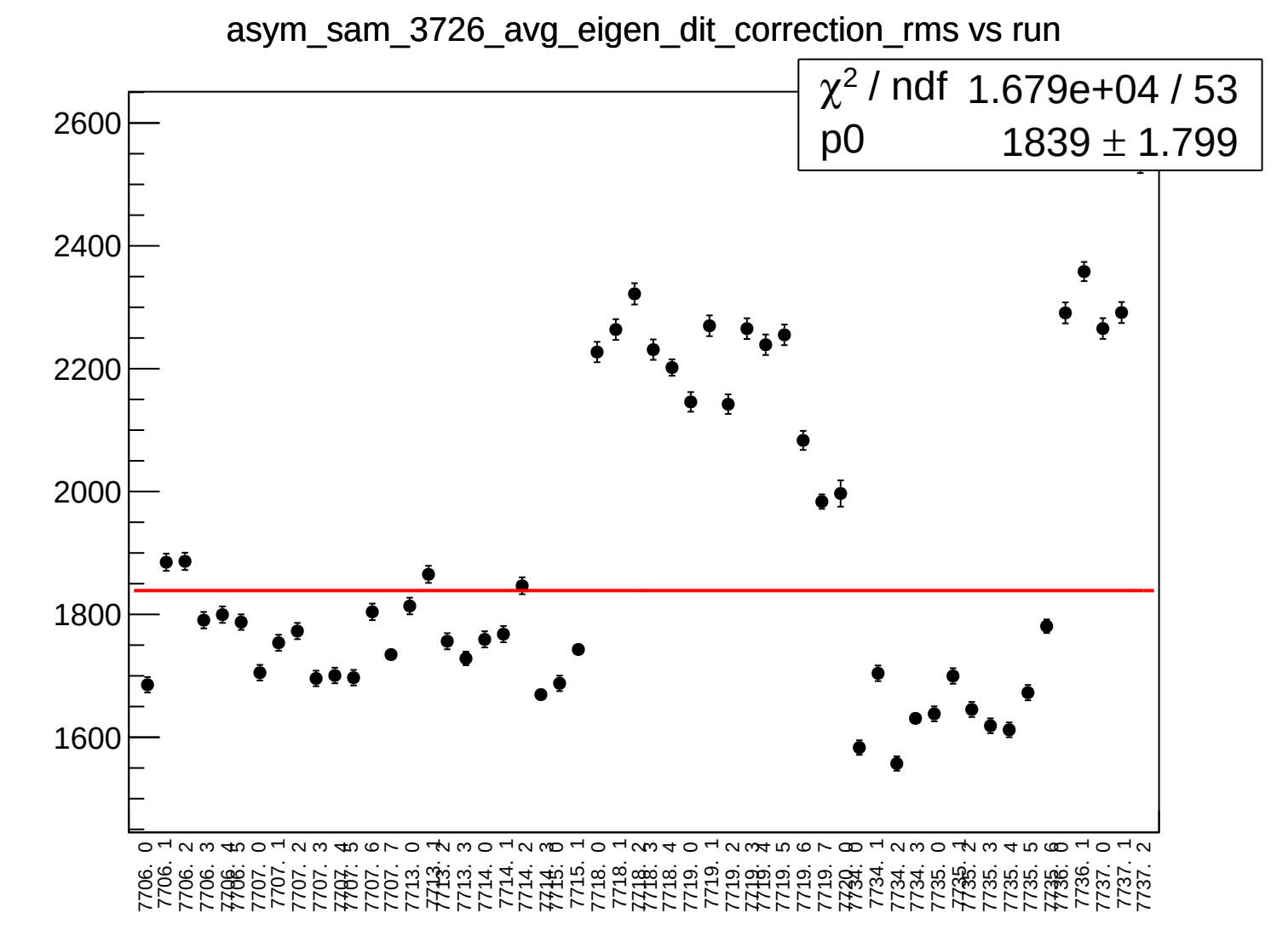

asym_sam_3726_avg_dit_correction_rms vs run
χ^2 / ndf 1.679e+04 / 53
p0 1839 ± 1.799
2600
2400
2200
2000
1800
1600
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17706. 5
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17713. 3
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17718. 4
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

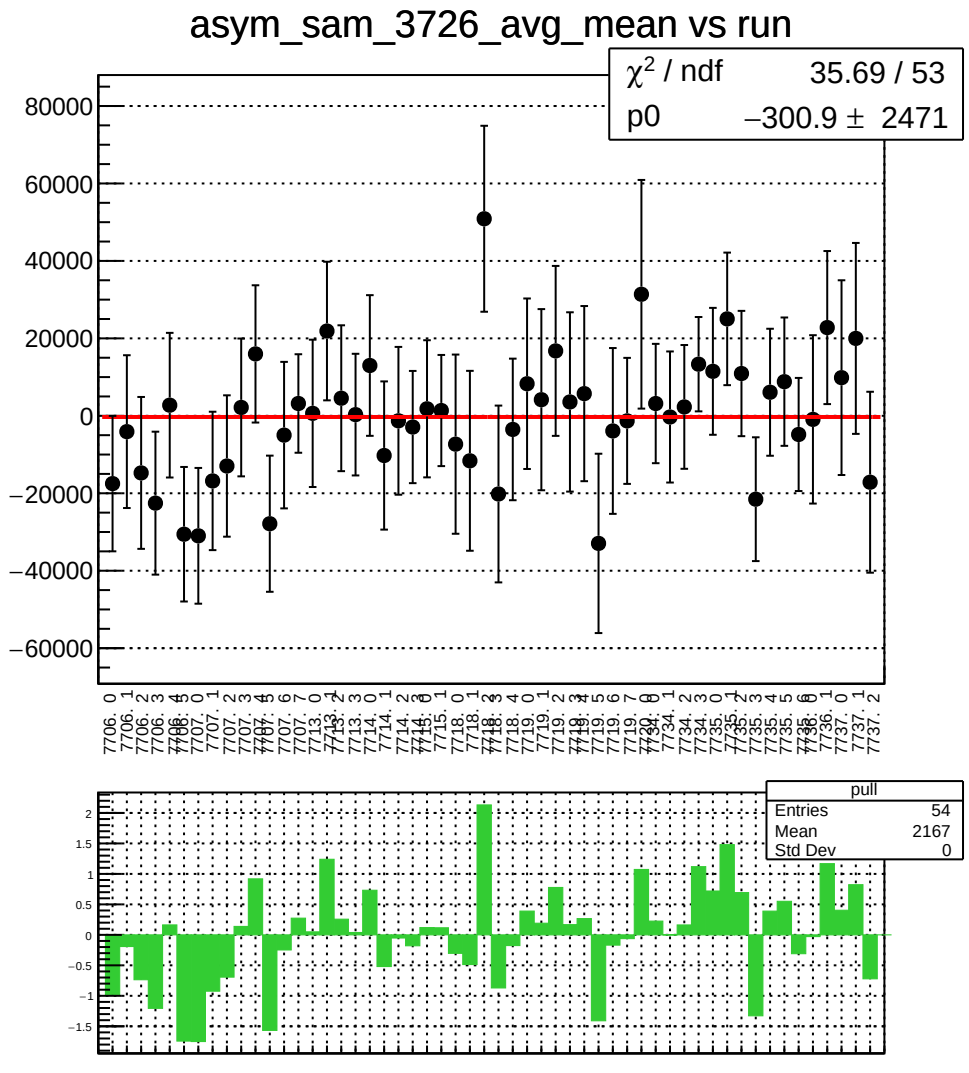

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 39.82 / 53
p0 24.35 ± 308.1
pull
Entries 54
Mean 365.2
Std Dev 0

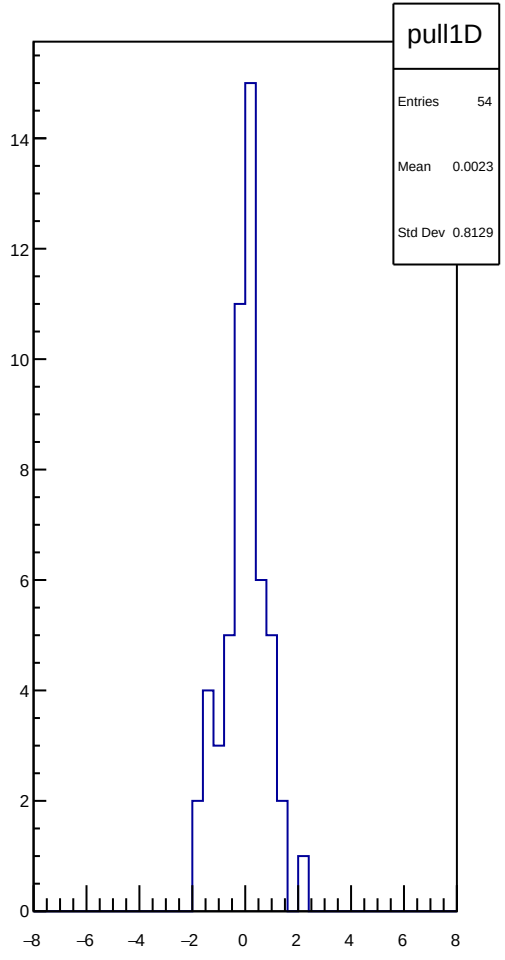

pull1D
Entries 54
Mean 0.005228
Std Dev 0.8587

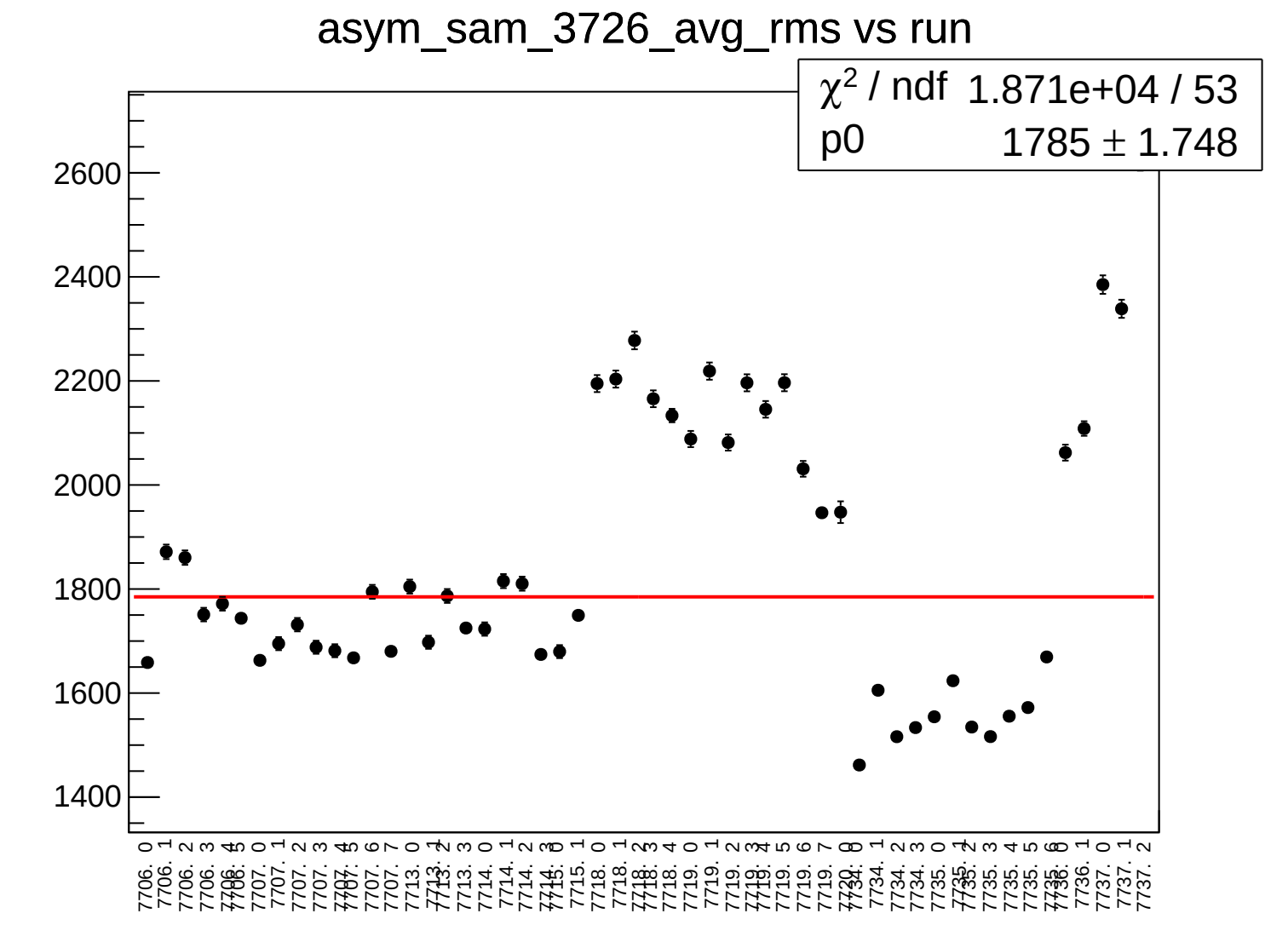

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.968e+04 / 53
p0 222.4 ± 0.2179
400
350
300
250
200

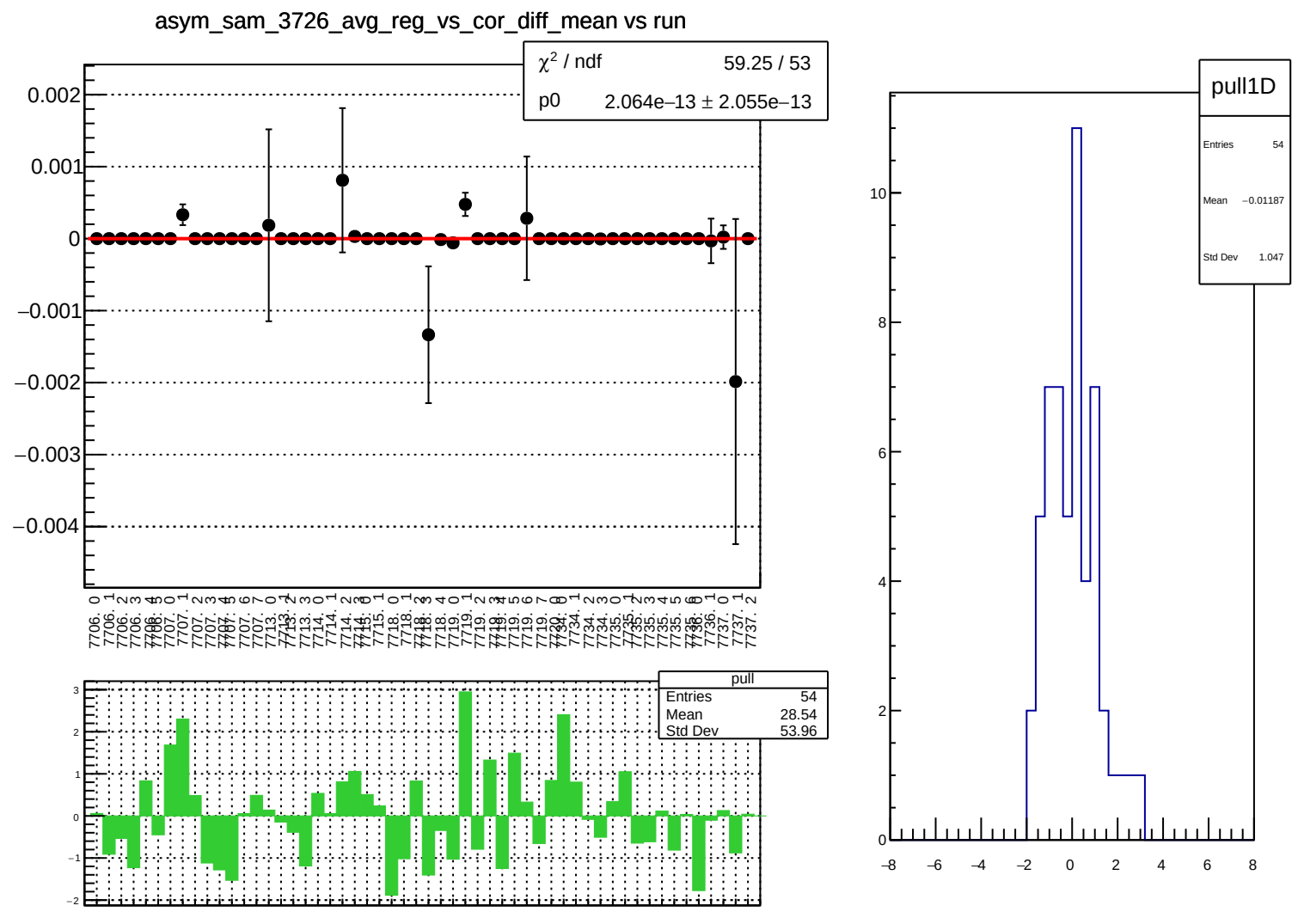

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.62 / 53
p0 464.4 ± 2544
pull
Entries 54
Mean 832
Std Dev 0
pull1D
Entries 54
Mean −0.005632
Std Dev 0.8006

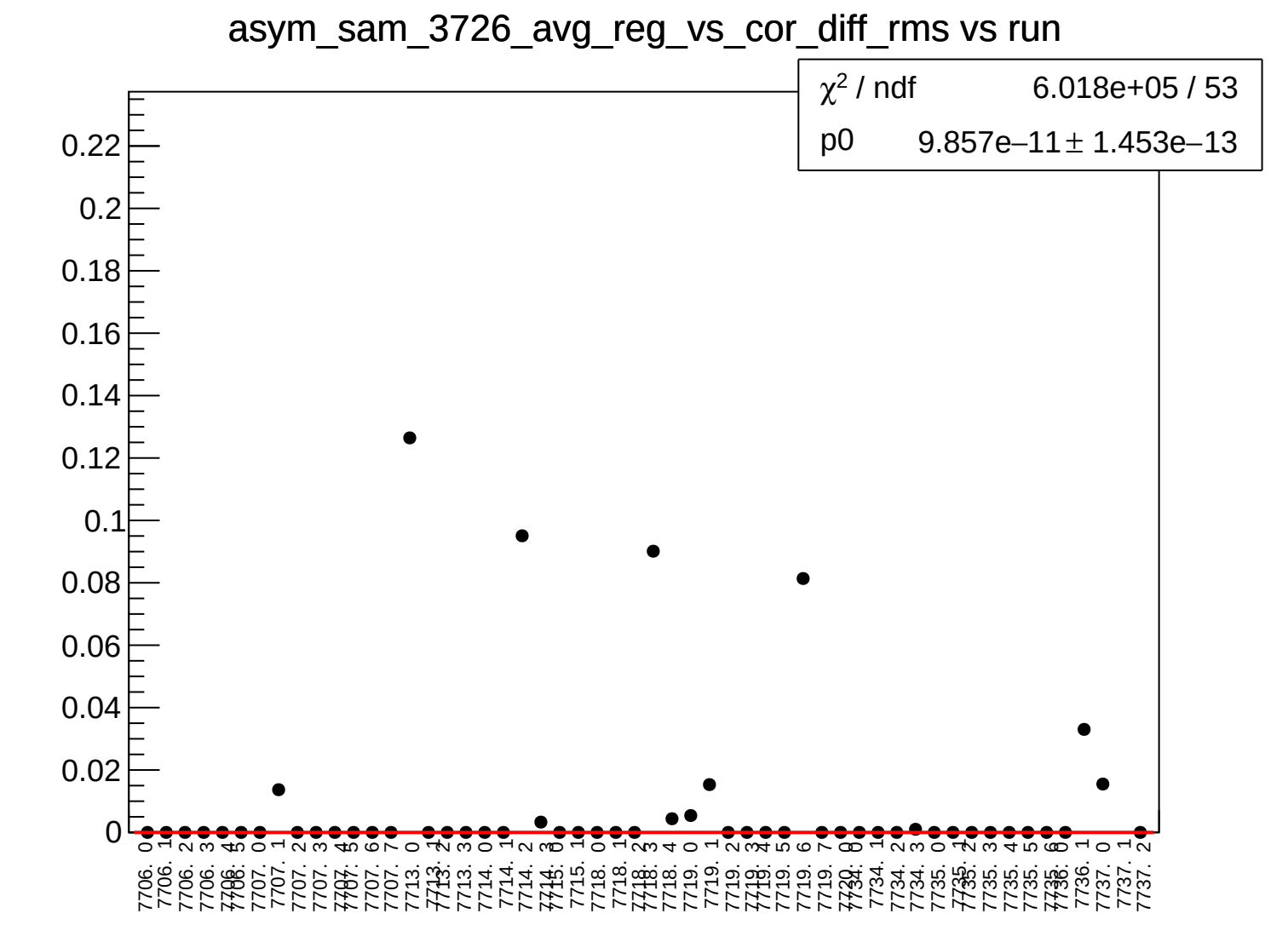

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.679e+04 / 53
p0 1839 ± 1.799
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

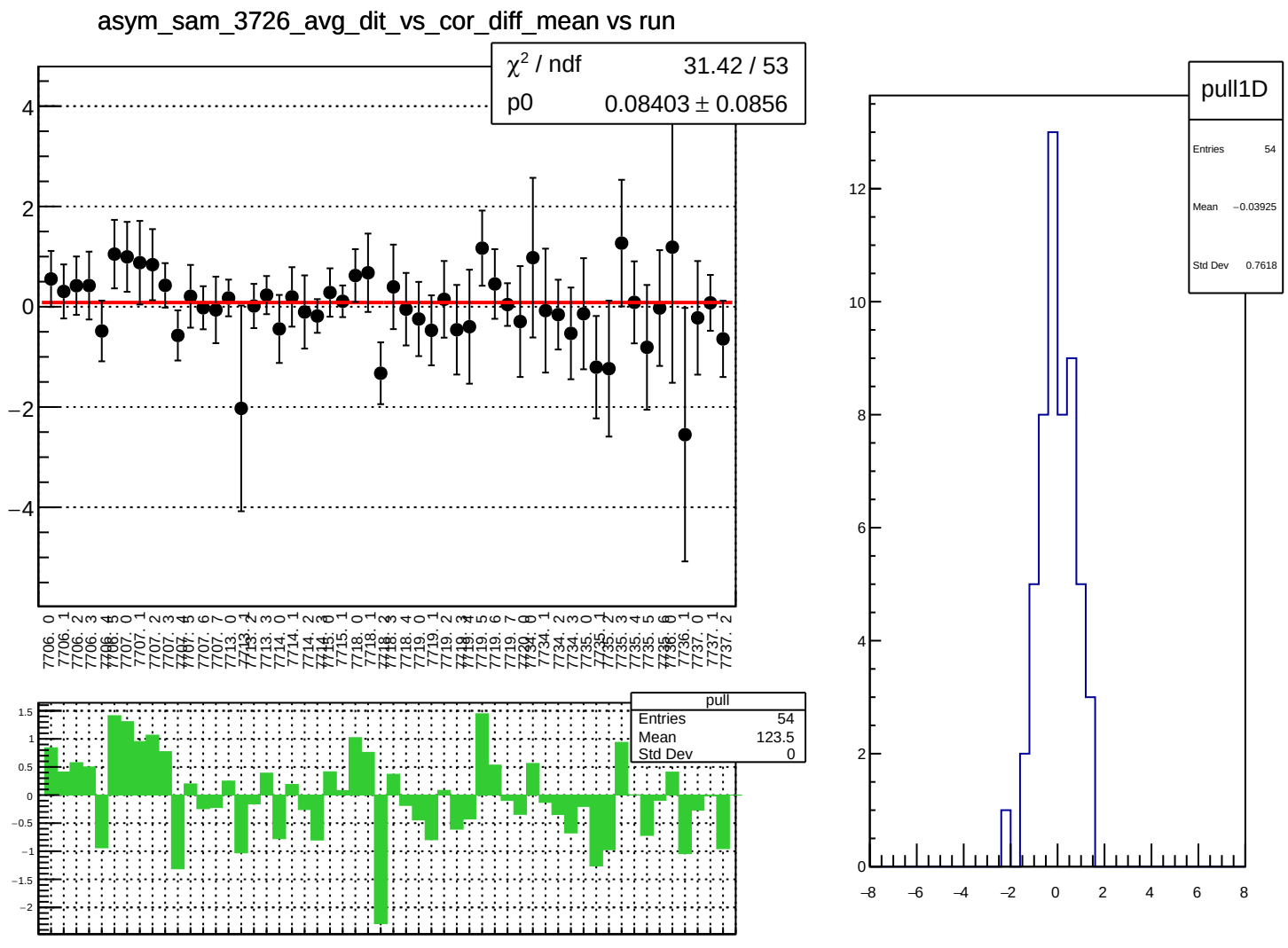

asym_sam_3726_avg_mean vs run
χ² / ndf 35.69 / 53
p0 −300.9 ± 2471
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2167
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

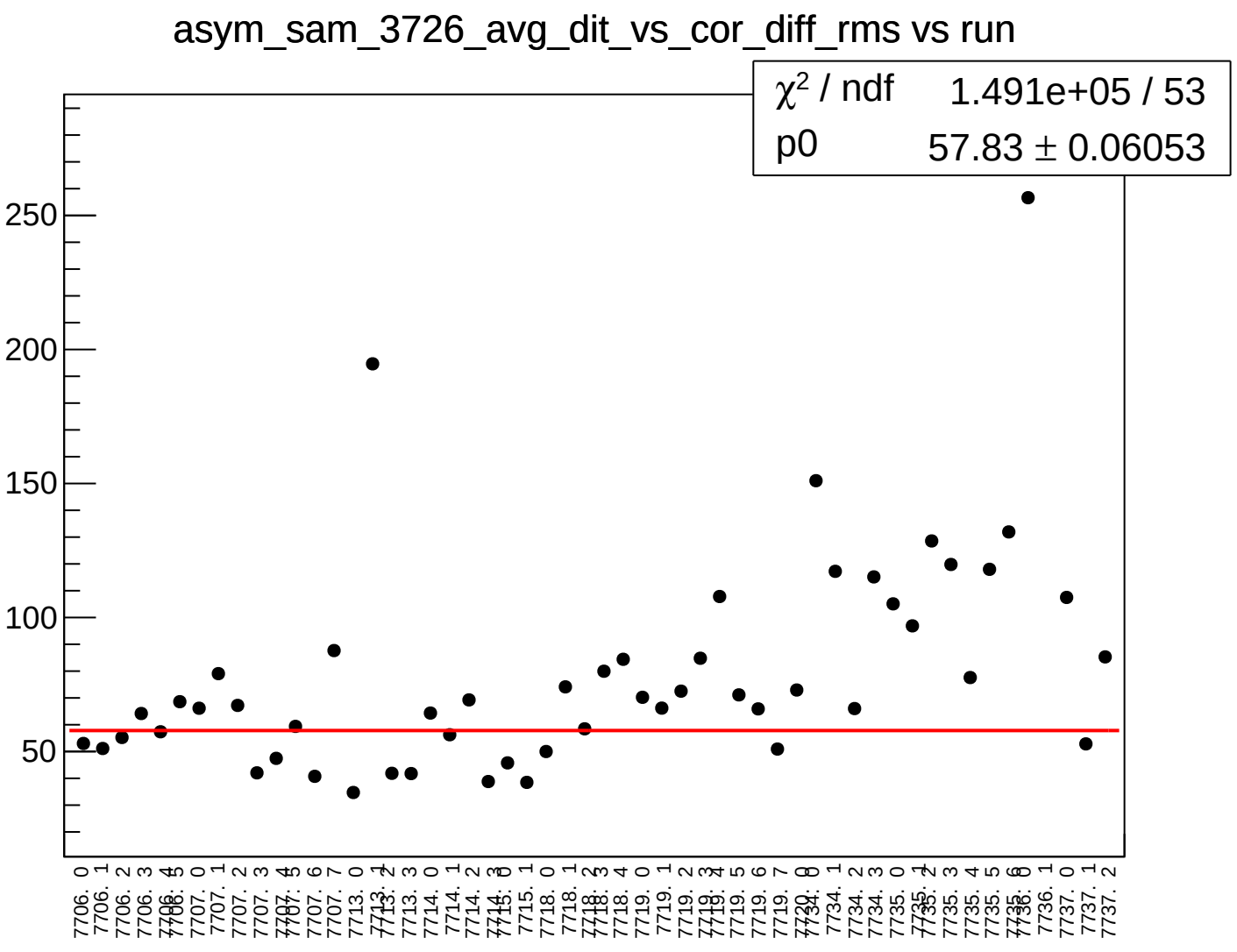

pull1D
Entries 54
Mean 0.0023
Std Dev 0.8129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

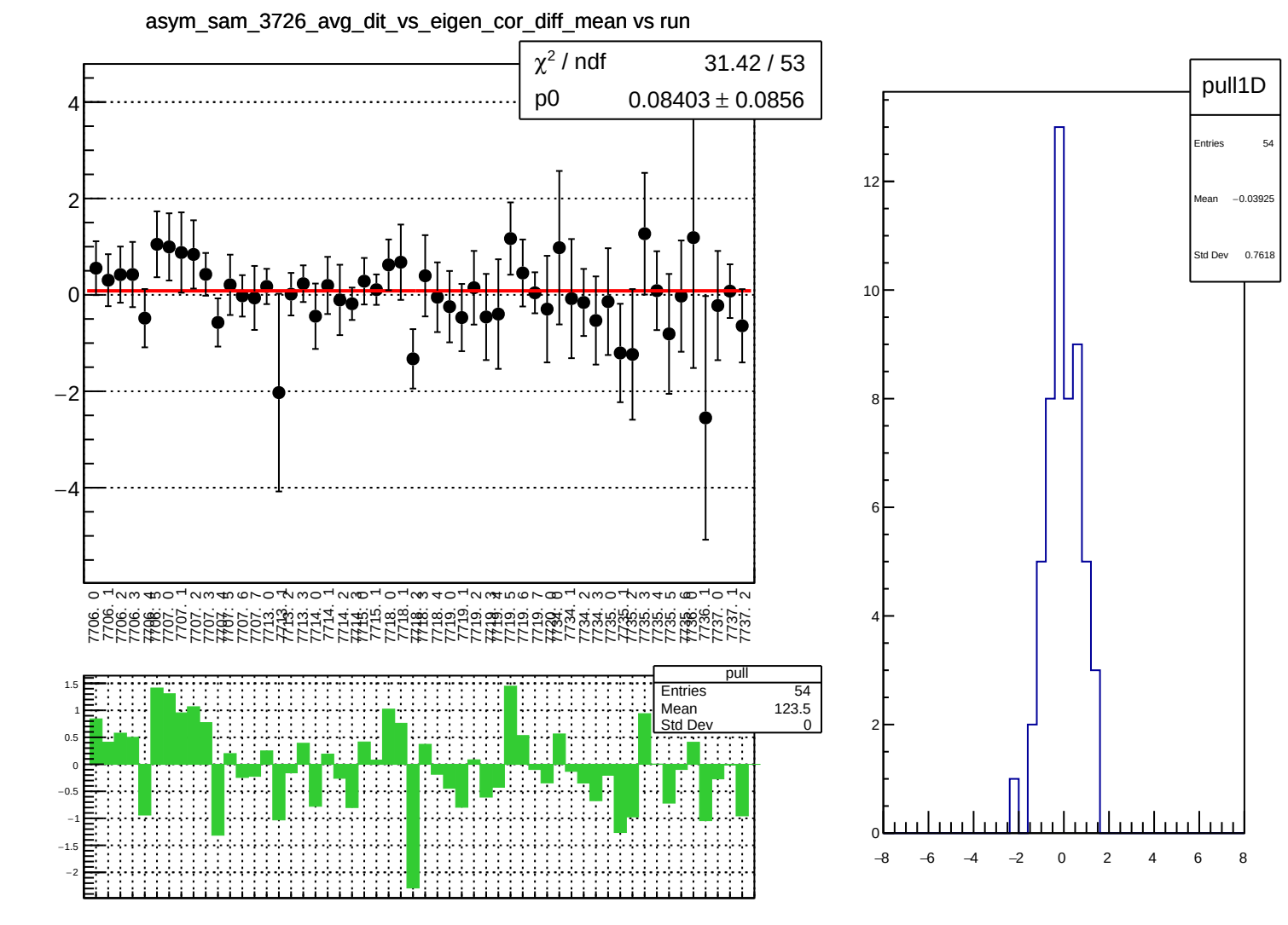

asym_sam_3726_avg_rms vs run
χ² / ndf 1.871e+04 / 53
p0 1785 ± 1.748
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

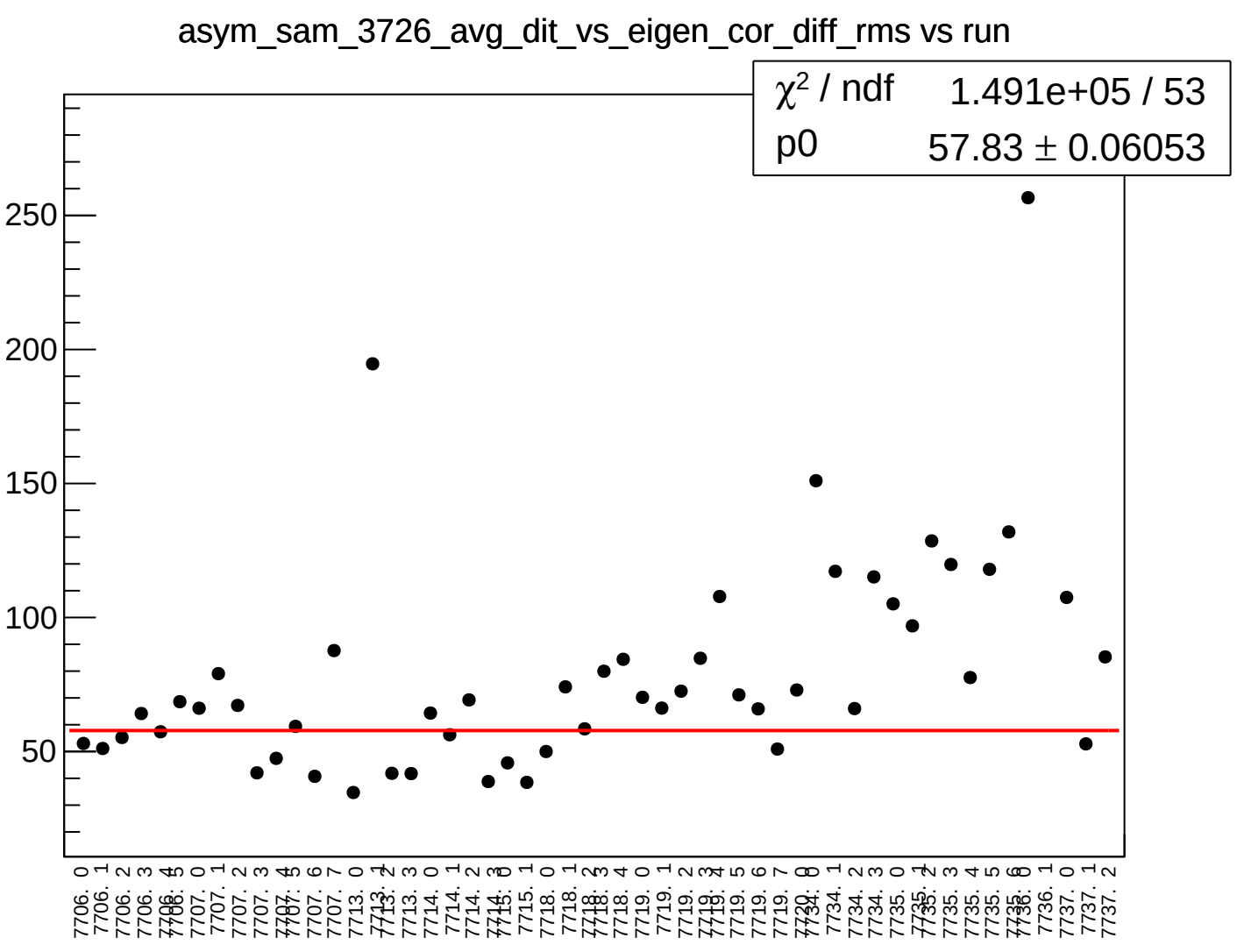

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.25 / 53
p0 2.064e−13 ± 2.055e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean 28.54
Std Dev 53.96
pull1D
Entries 54
Mean −0.01187
Std Dev 1.047

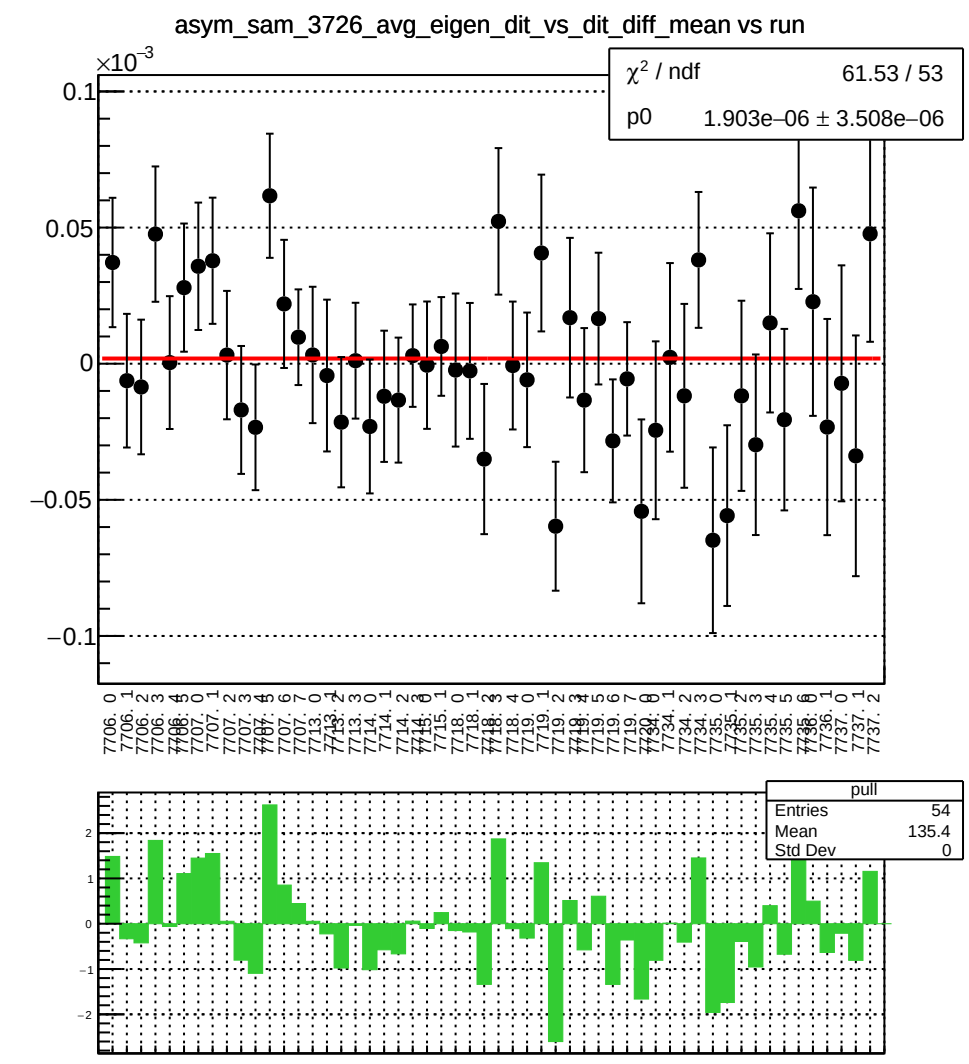

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.018e+05 / 53
p0 9.857e−11 ± 1.453e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

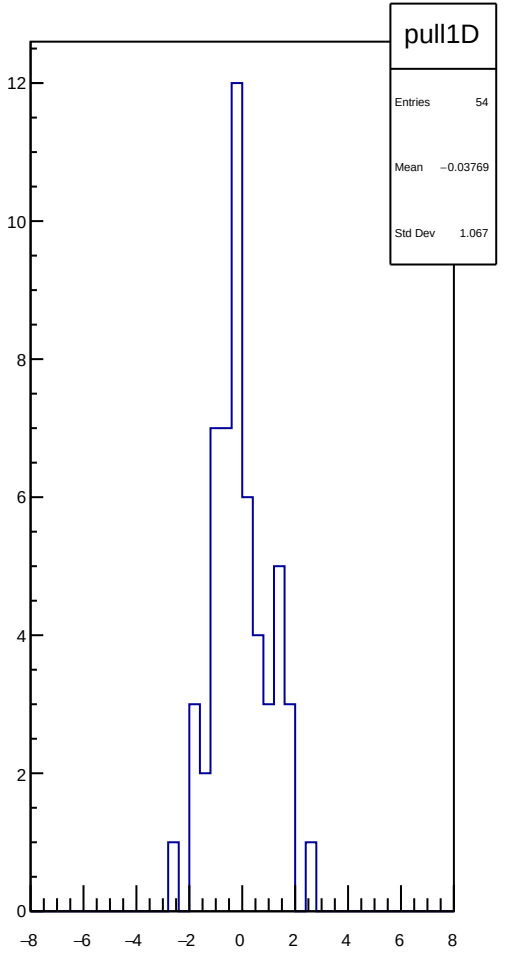

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 31.42 / 53
p0 0.08403 ± 0.0856
pull
Entries 54
Mean 123.5
Std Dev 0
pull1D
Entries 54
Mean −0.03925
Std Dev 0.7618

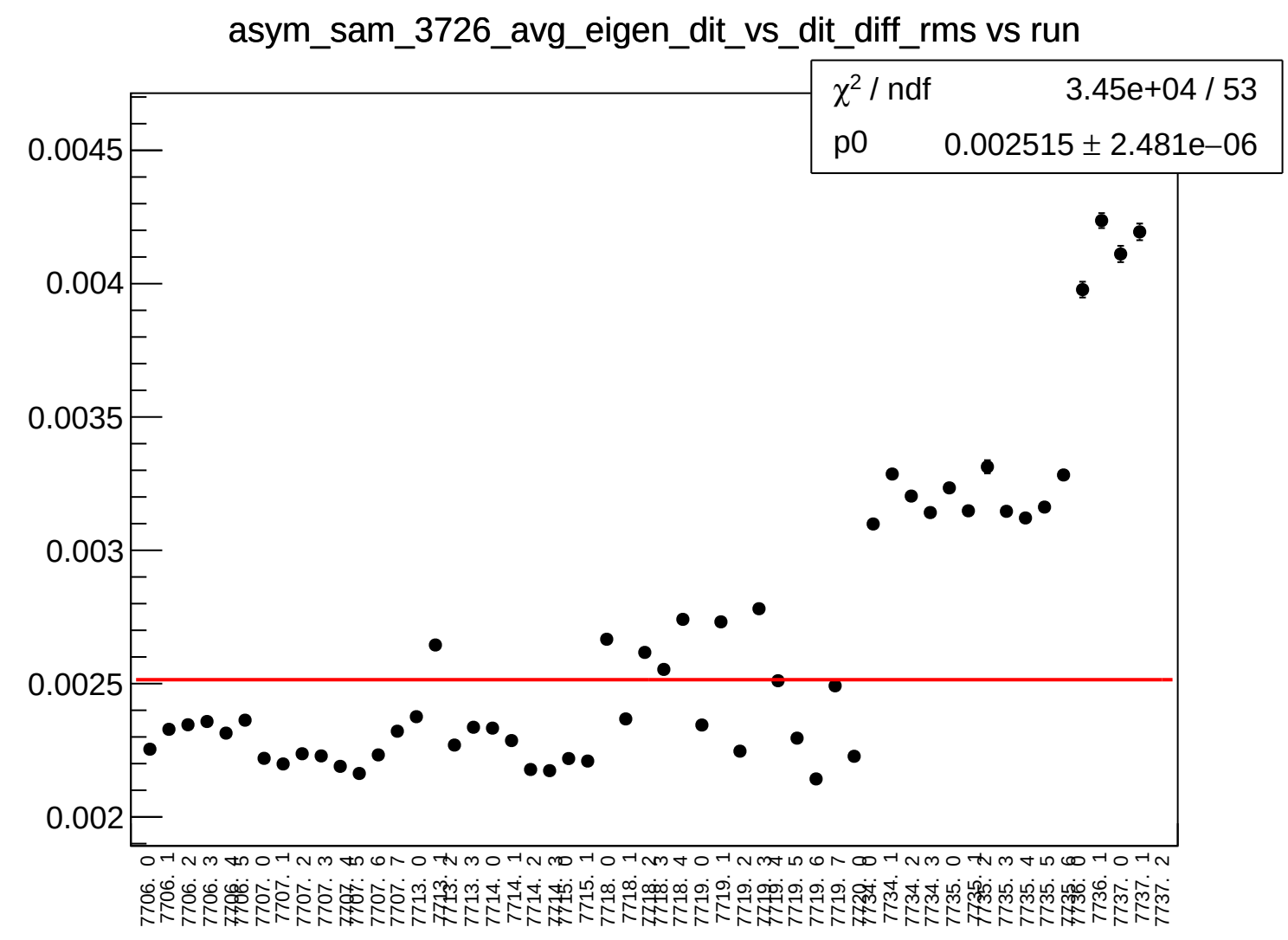

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 53
p0 57.83 ± 0.06053
250
200
150
100
50

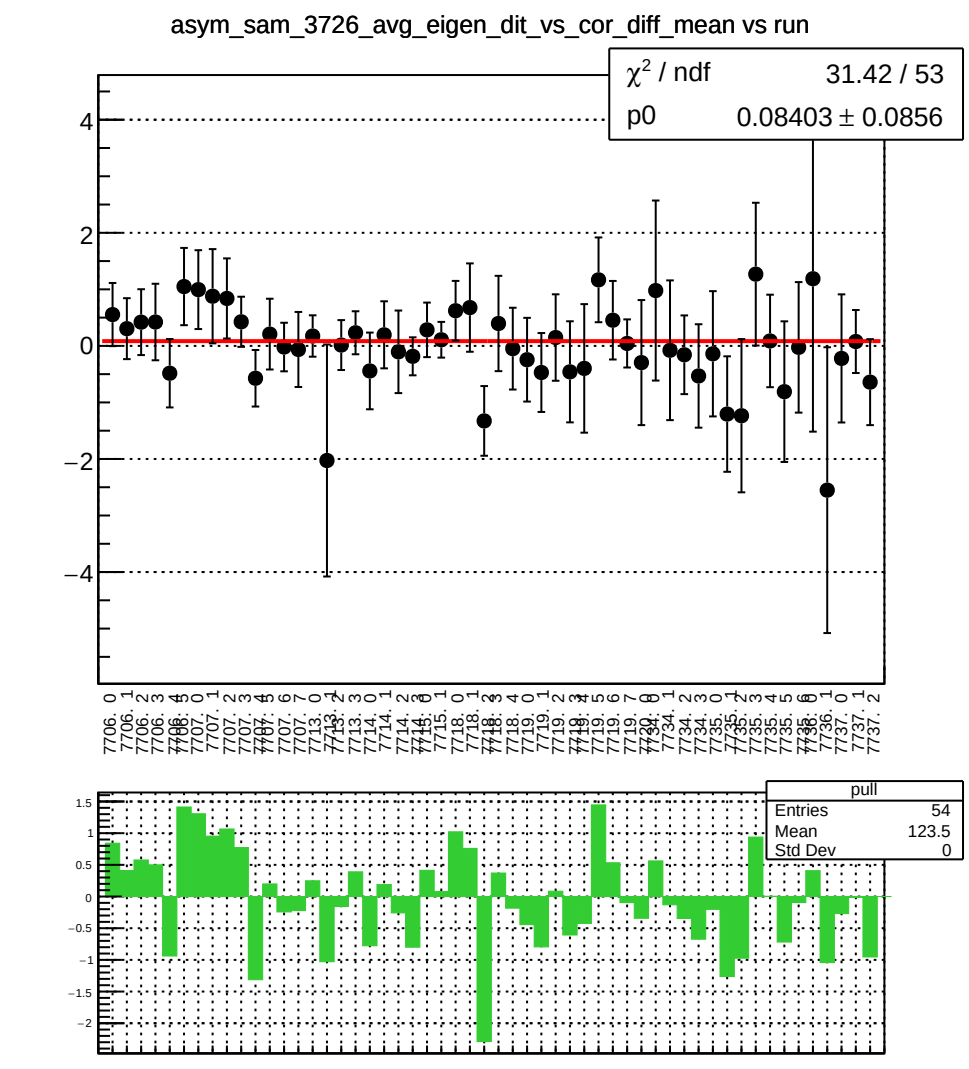

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.42 / 53
p0 0.08403 ± 0.0856
pull
Entries 54
Mean 123.5
Std Dev 0
pull1D
Entries 54
Mean −0.03925
Std Dev 0.7618

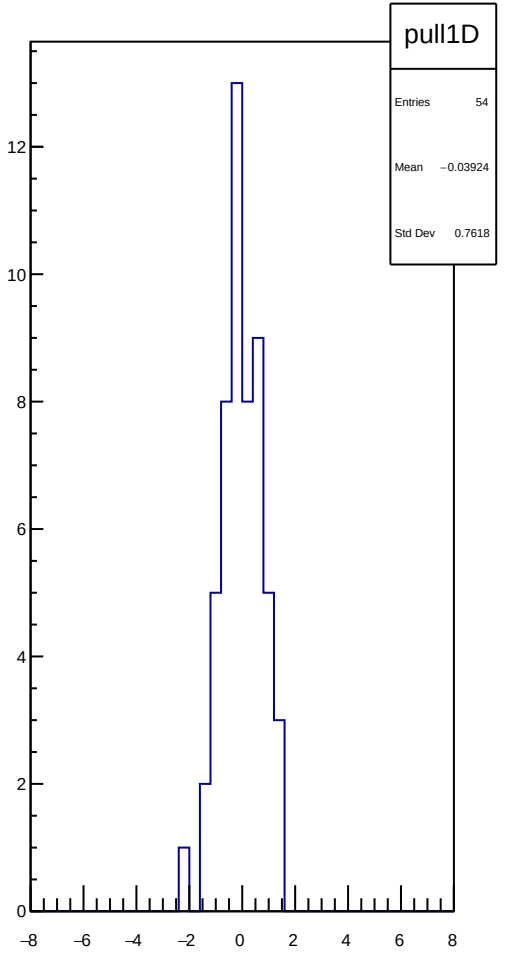

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 53
p0 57.83 ± 0.06053
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

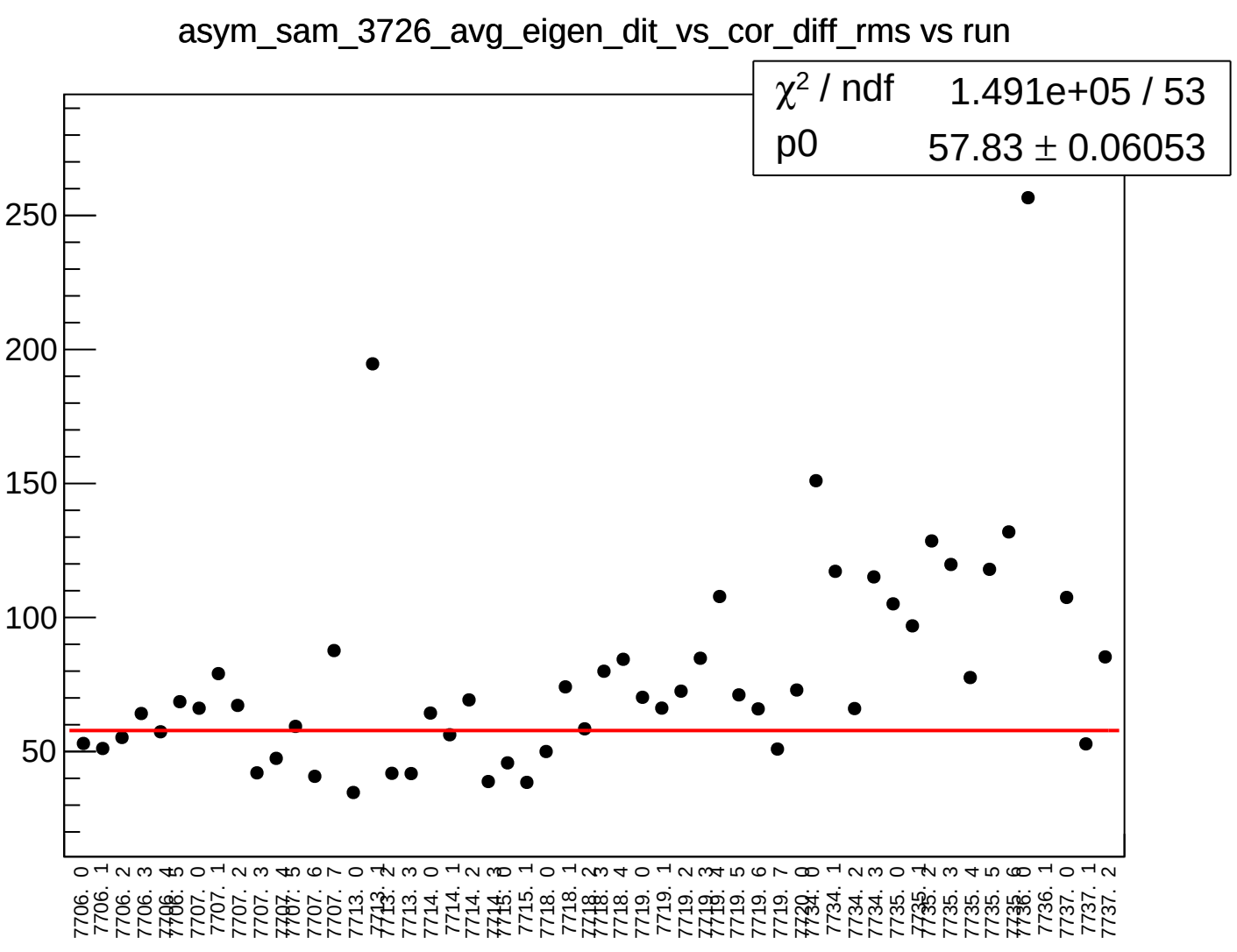

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.53 / 53
p0 1.903e−06 ± 3.508e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 135.4
Std Dev 0

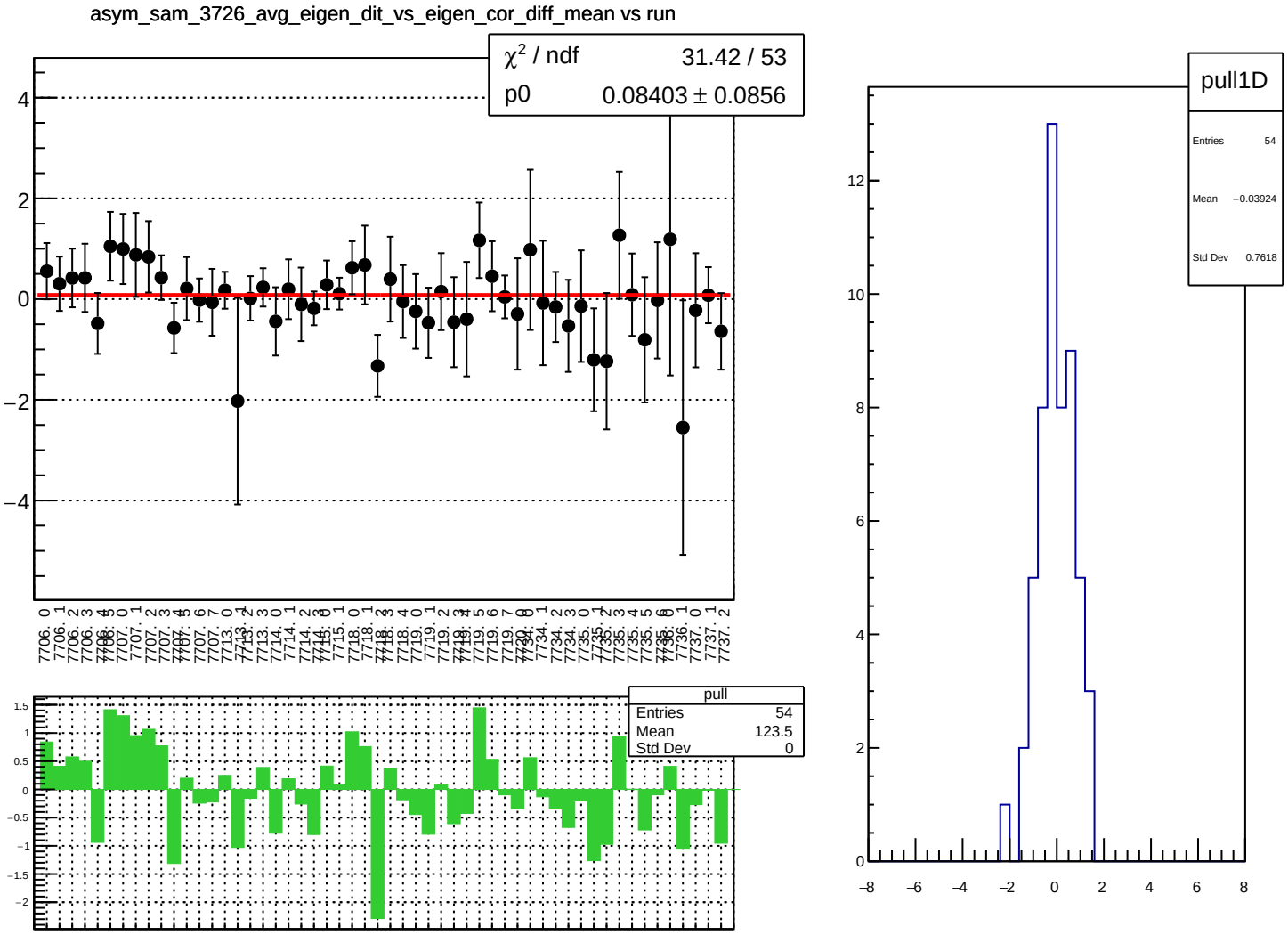

pull1D
Entries 54
Mean −0.03769
Std Dev 1.067

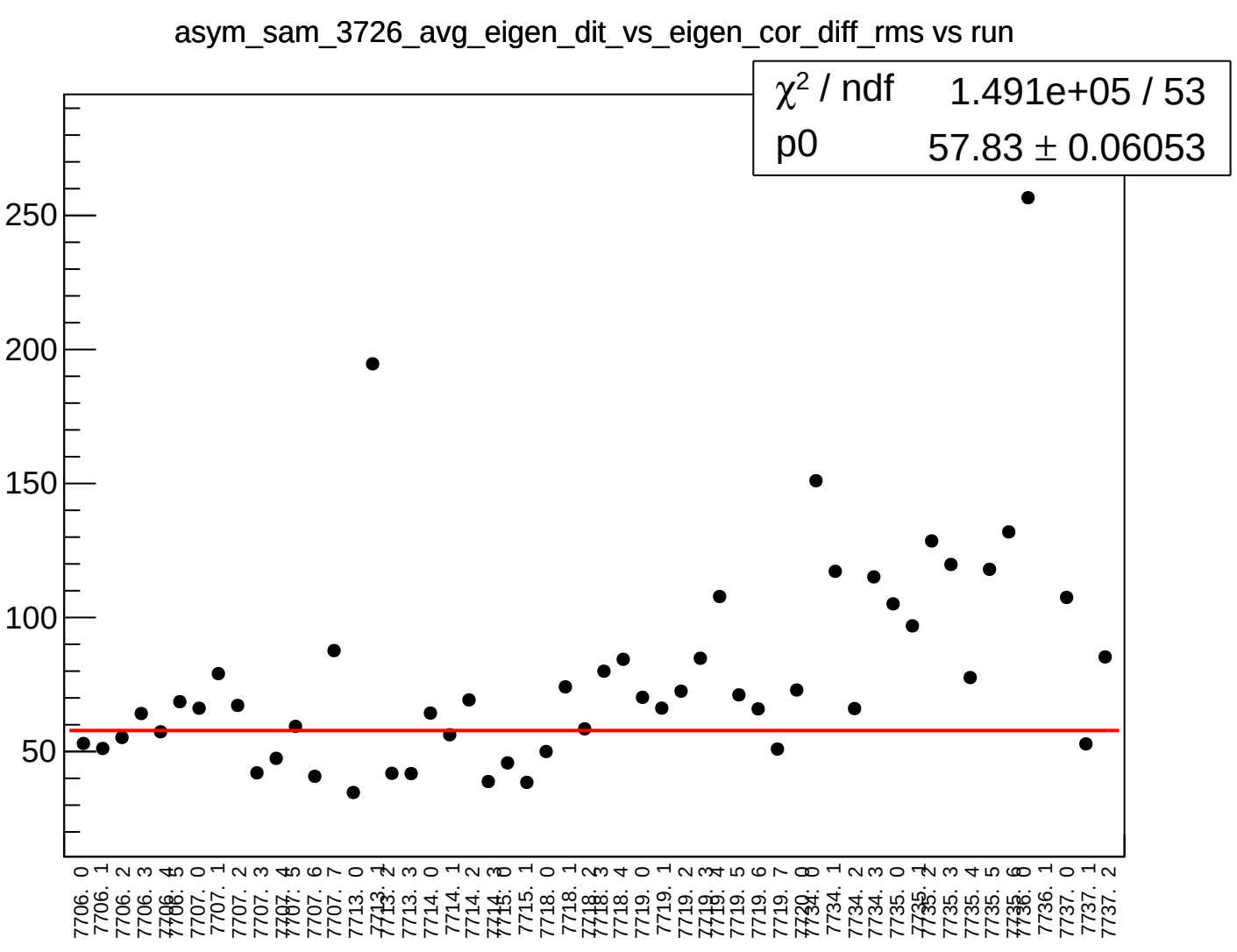

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.45e+04 / 53
p0 0.002515 ± 2.481e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002

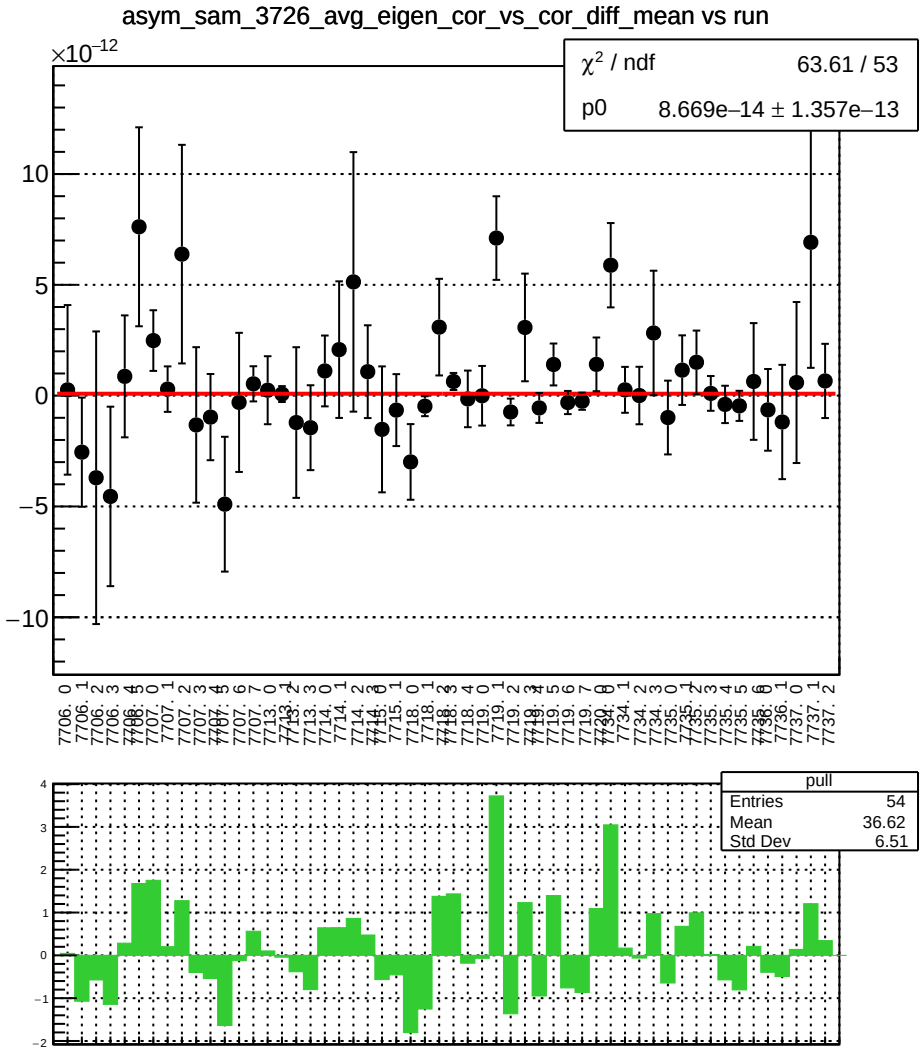

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.42 / 53
p0 0.08403 ± 0.0856
pull
Entries 54
Mean 123.5
Std Dev 0

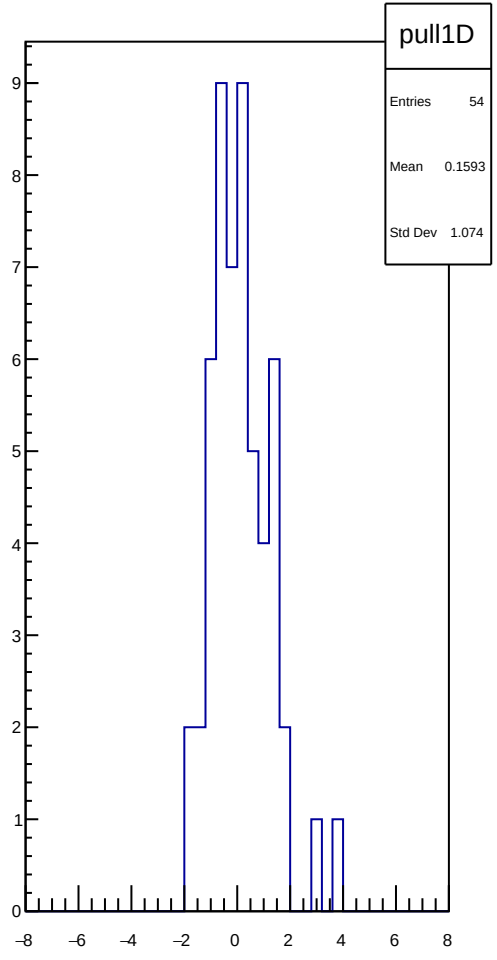

pull1D
Entries 54
Mean −0.03924
Std Dev 0.7618

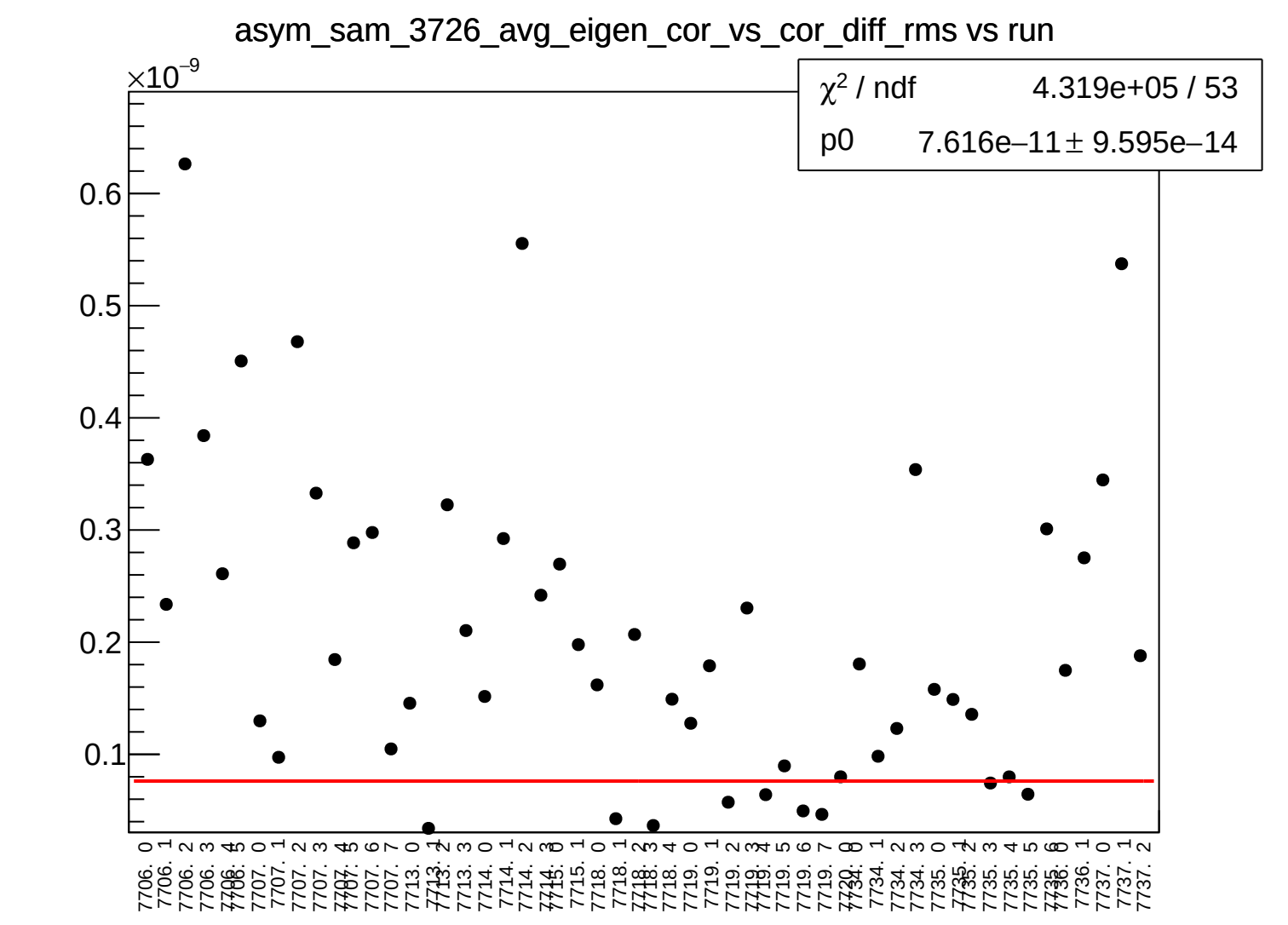

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 53
p0 57.83 ± 0.06053
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

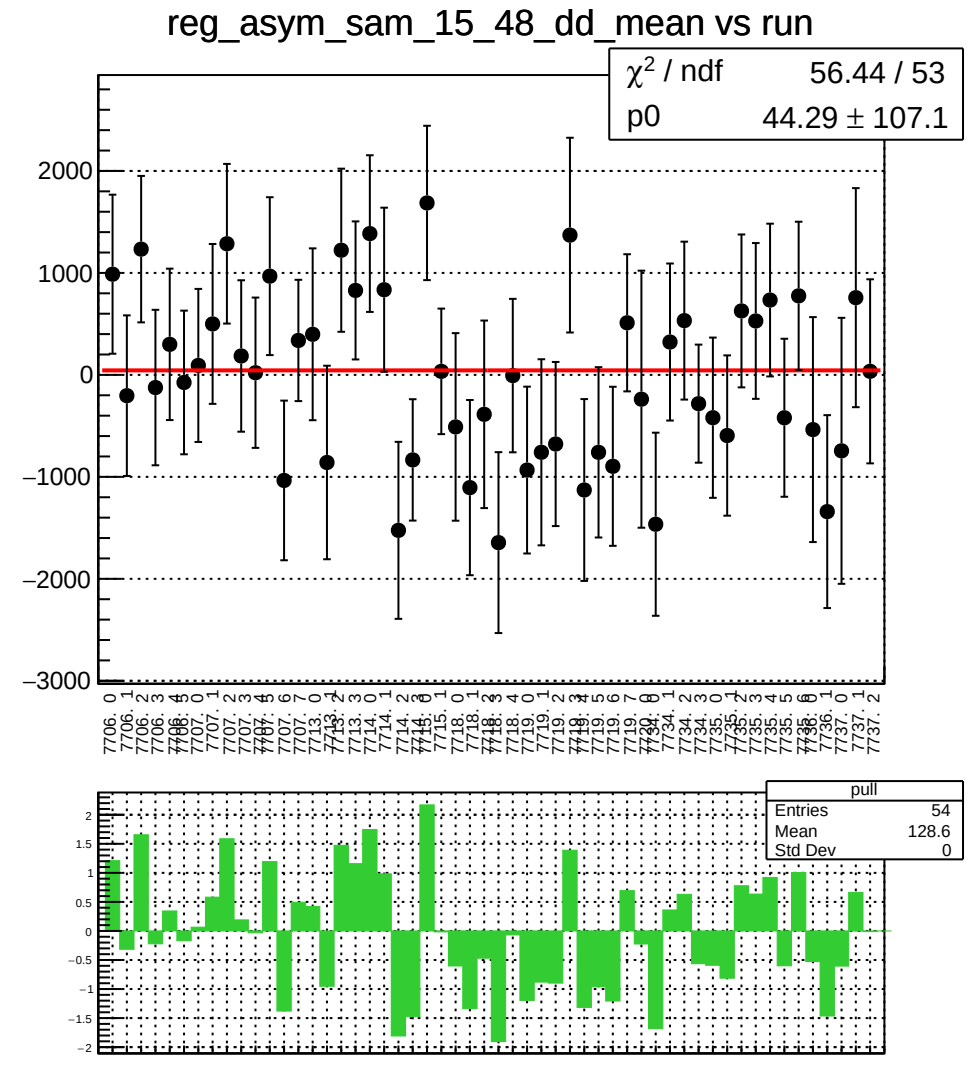

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.42 / 53
p0 0.08403 ± 0.0856
pull
Entries 54
Mean 123.5
Std Dev 0
pull1D
Entries 54
Mean −0.03924
Std Dev 0.7618

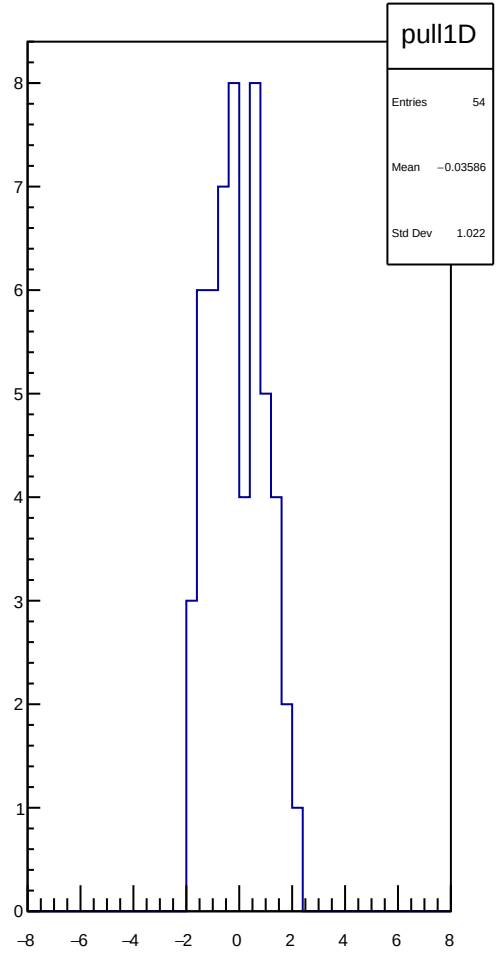

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.491e+05 / 53
p0 57.83 ± 0.06053
250
200
150
100
50

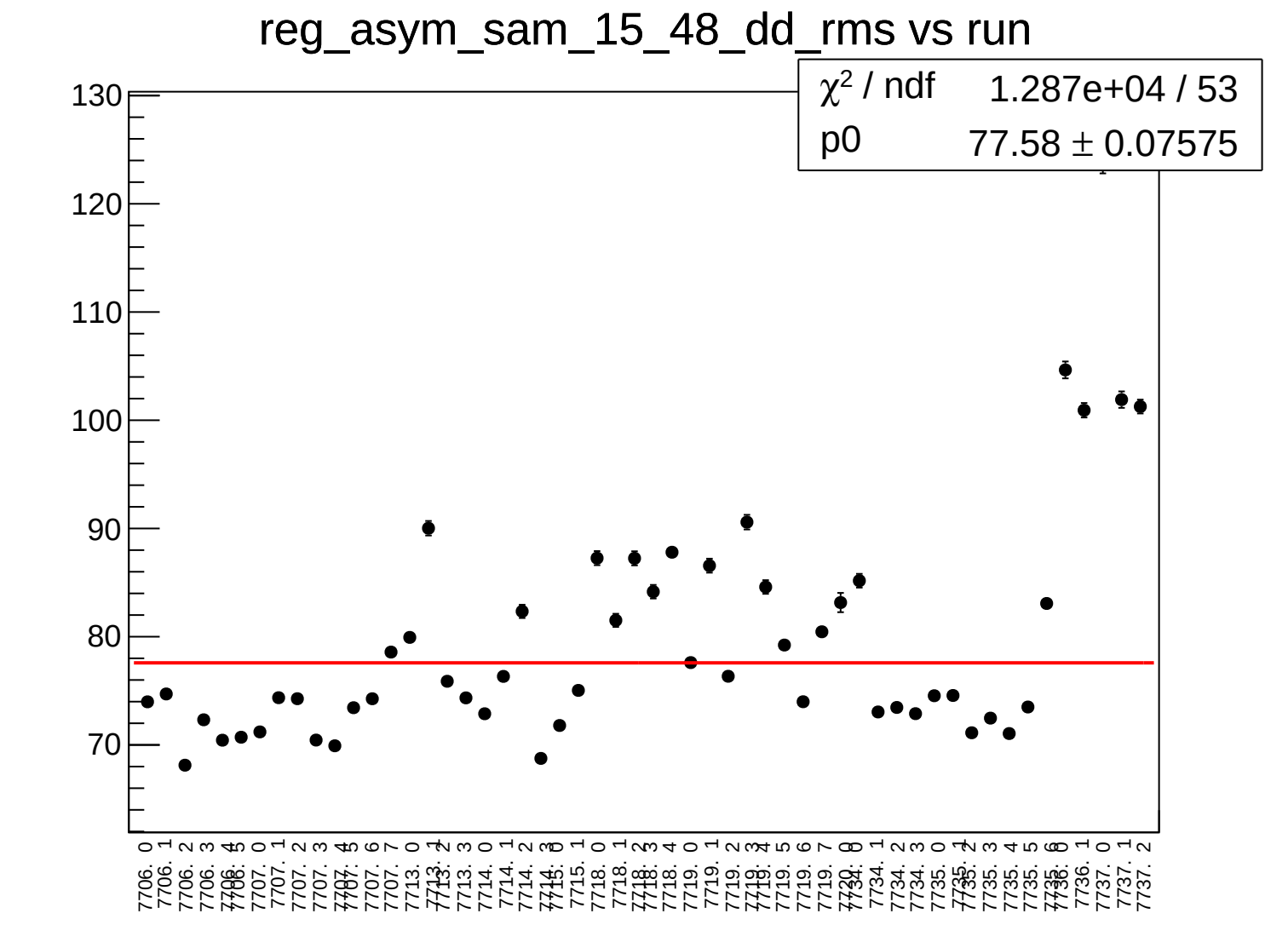

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.61 / 53
p0 8.669e−14 ± 1.357e−13
pull
Entries 54
Mean 36.62
Std Dev 6.51

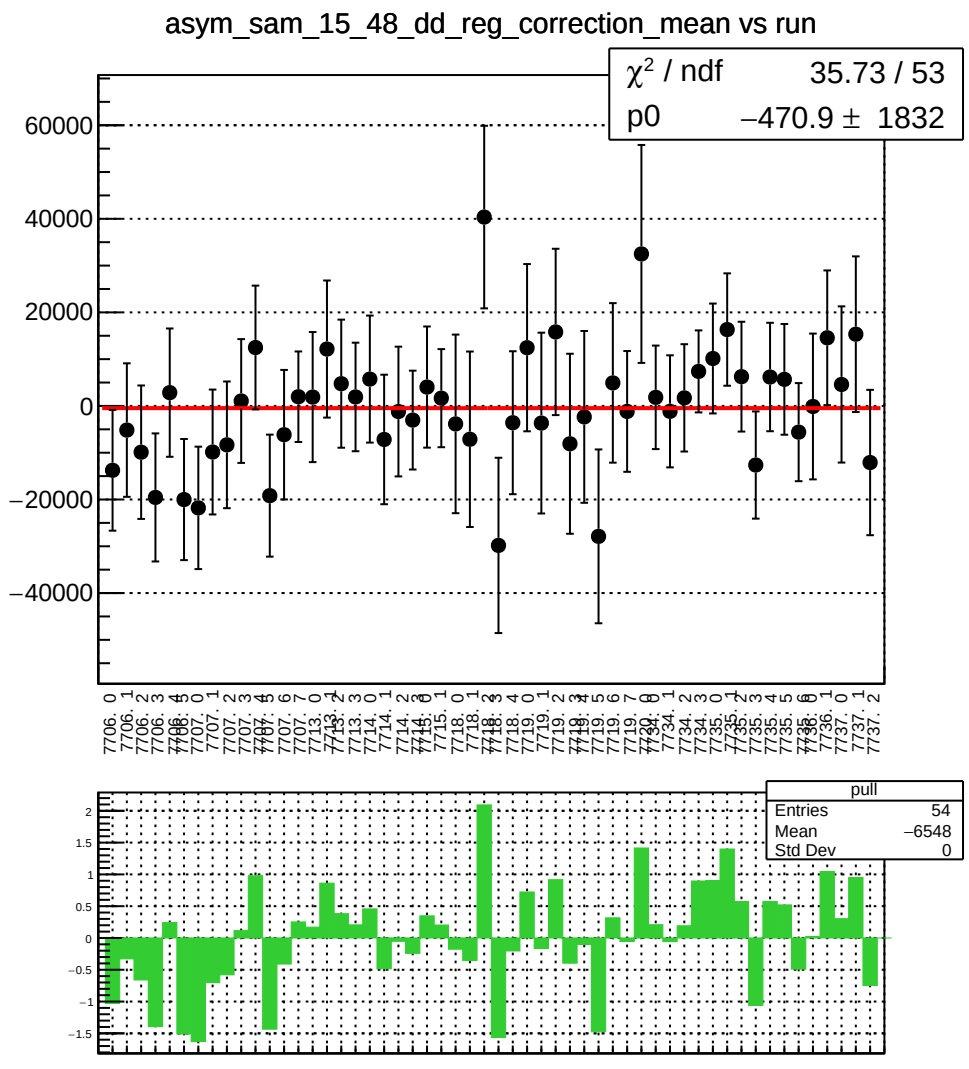

pull1D
Entries 54
Mean 0.1593
Std Dev 1.074

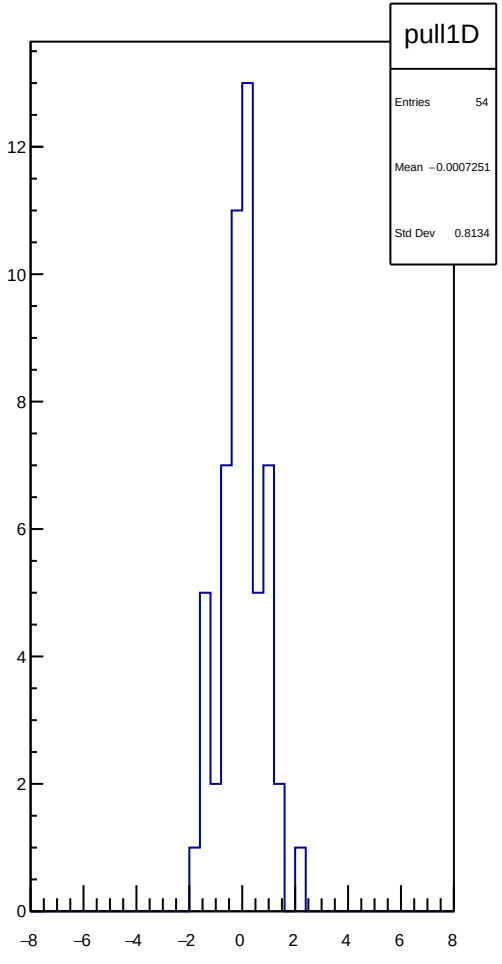

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.319e+05 / 53
p0 7.616e−11 ± 9.595e−14
0.6
0.5
0.4
0.3
0.2
0.1

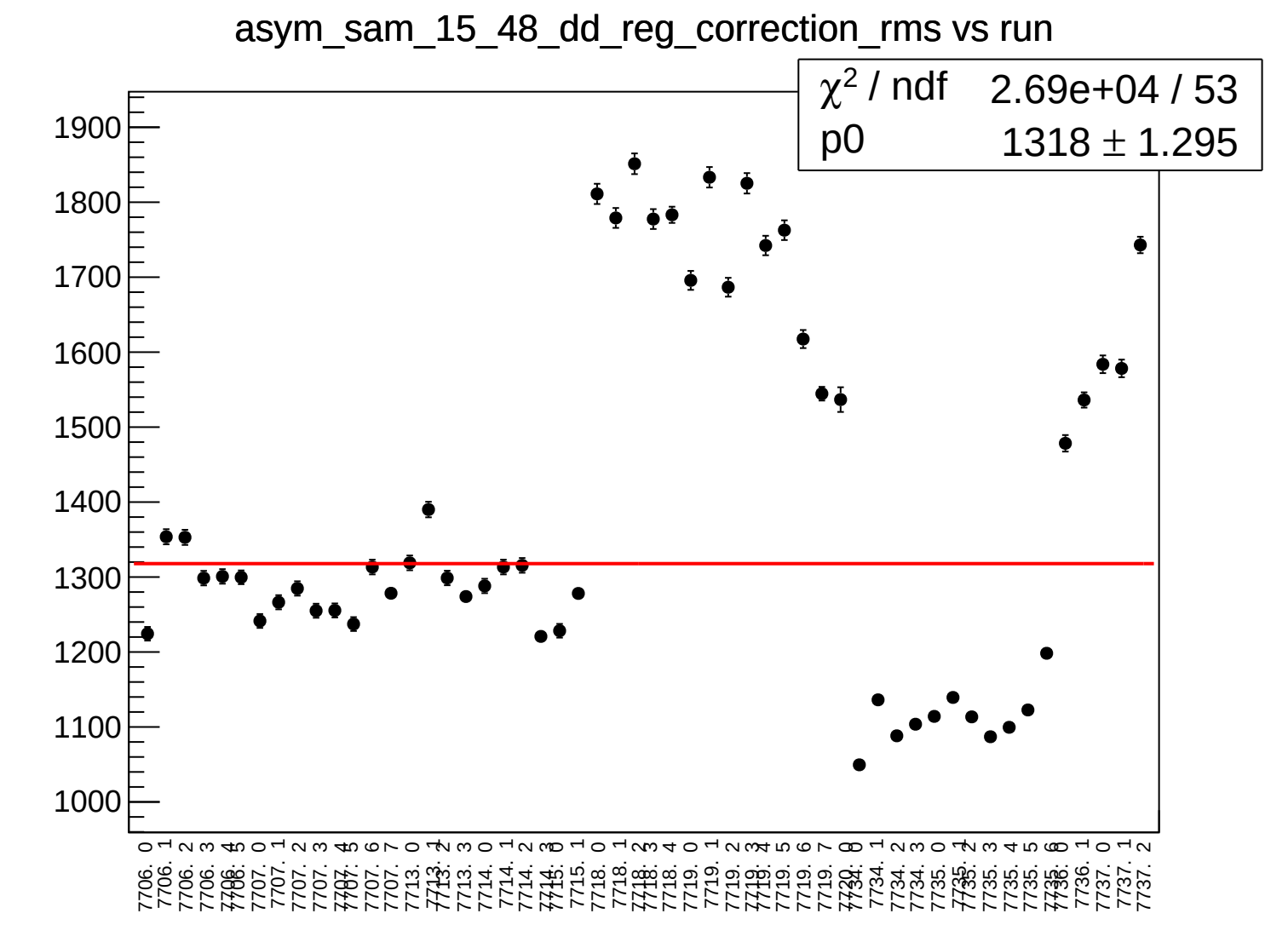

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 56.44 / 53
p0 44.29 ± 107.1
pull
Entries 54
Mean 128.6
Std Dev 0

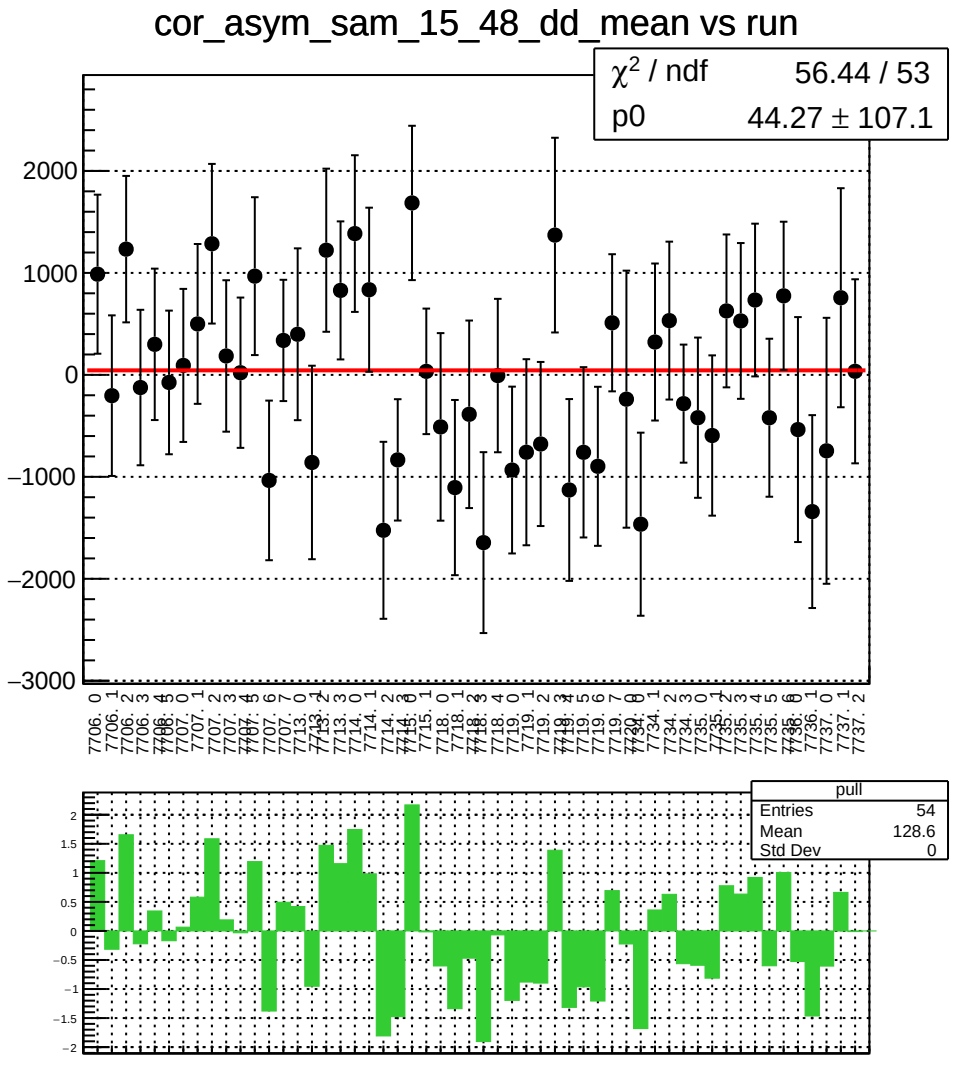

pull1D
Entries 54
Mean −0.03586
Std Dev 1.022

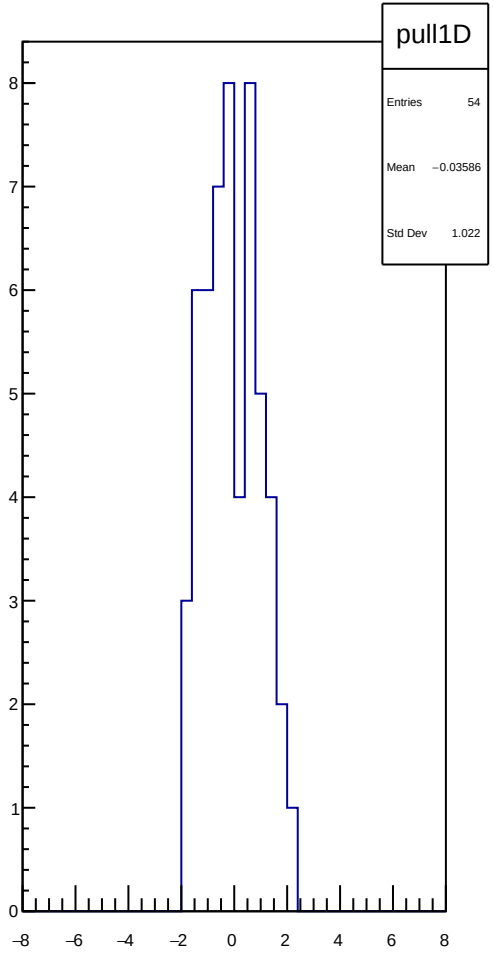

reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.287e+04 / 53
p0 77.58 ± 0.07575
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

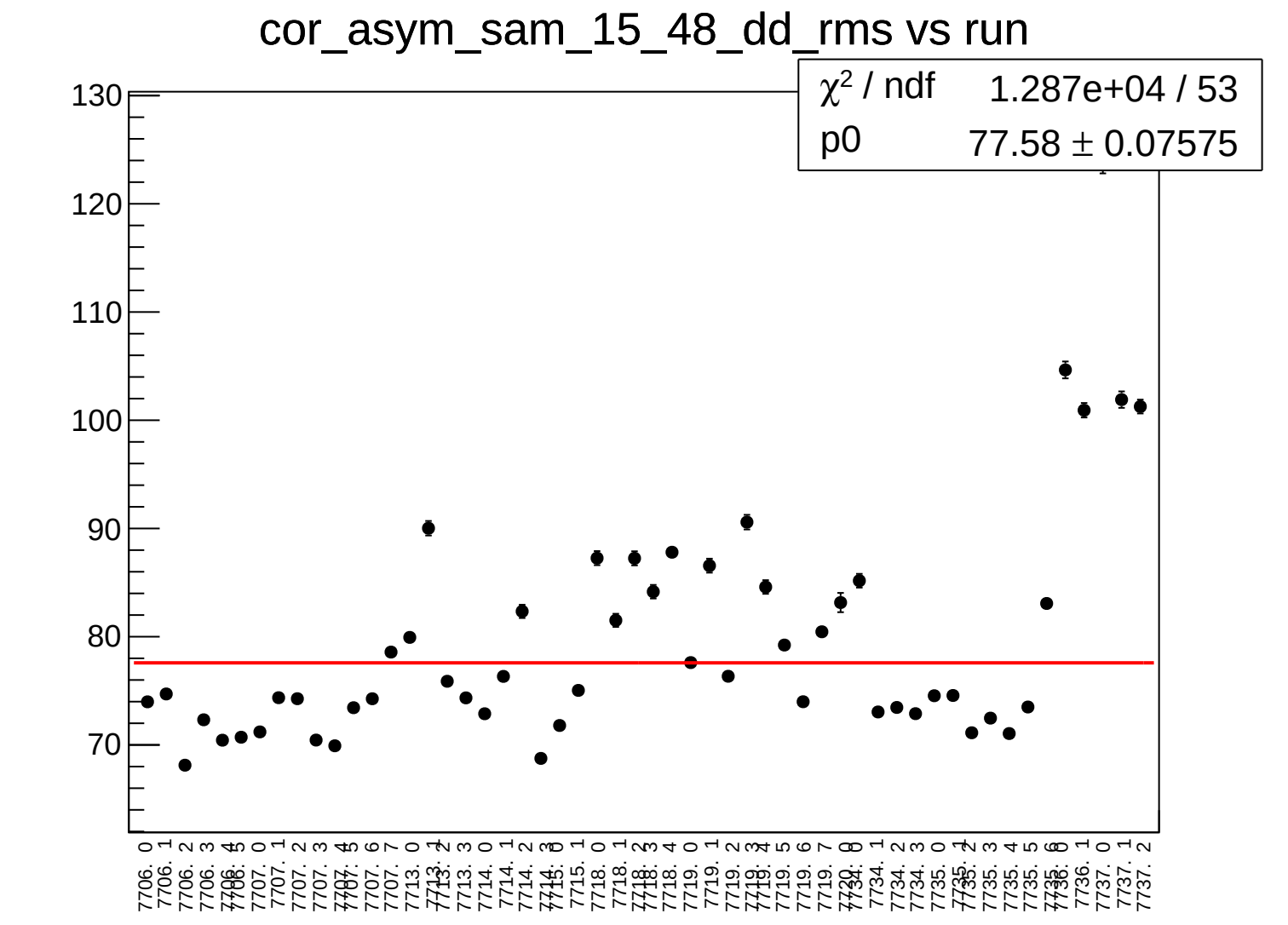

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 35.73 / 53
p0 −470.9 ± 1832
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −6548
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

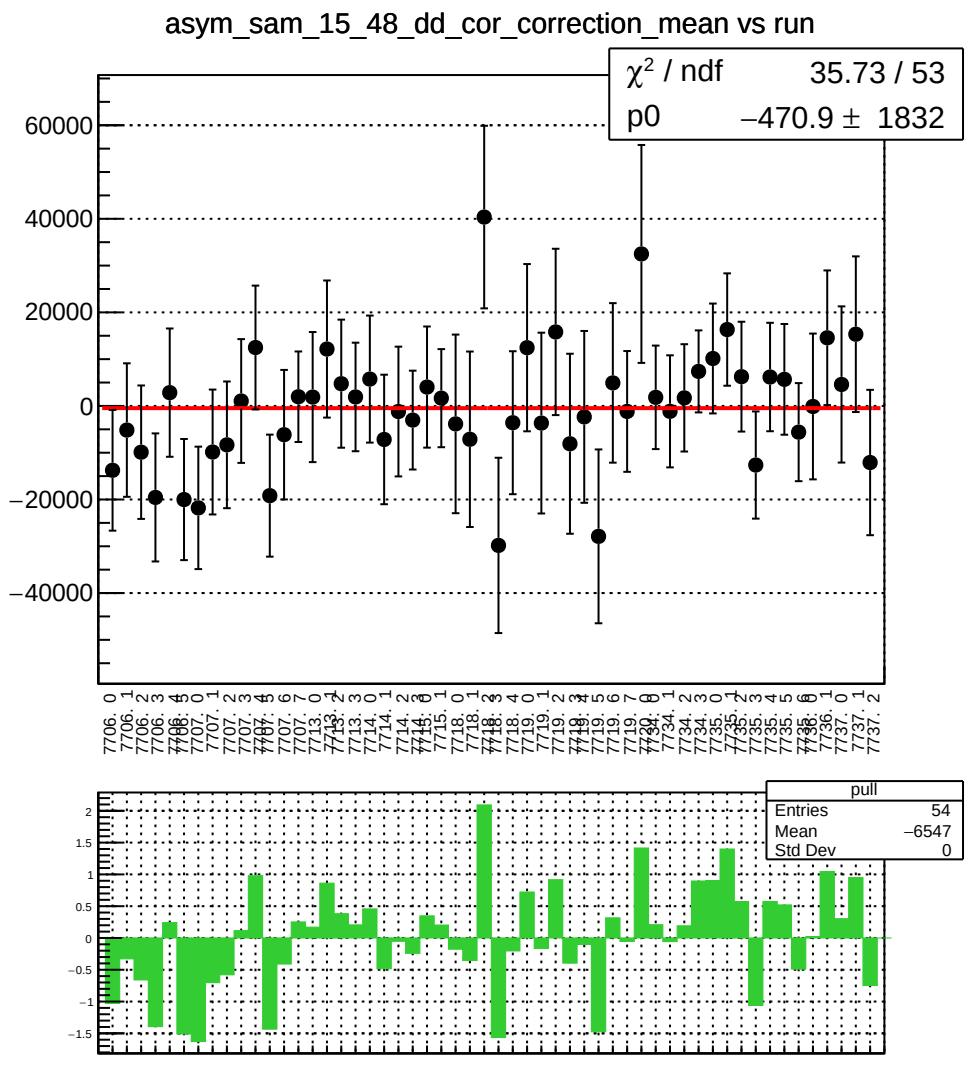

pull1D
Entries 54
Mean −0.0007251
Std Dev 0.8134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

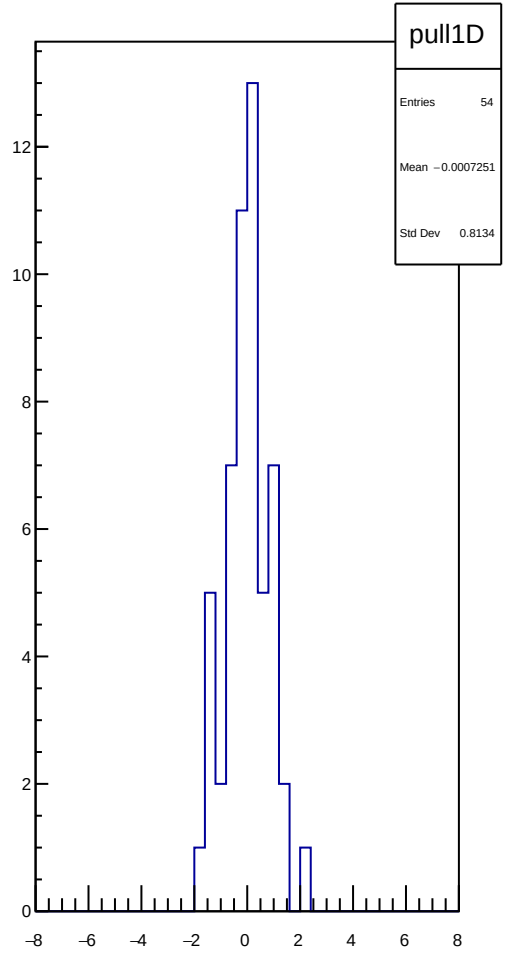

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 2.69e+04 / 53
p0 1318 ± 1.295
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

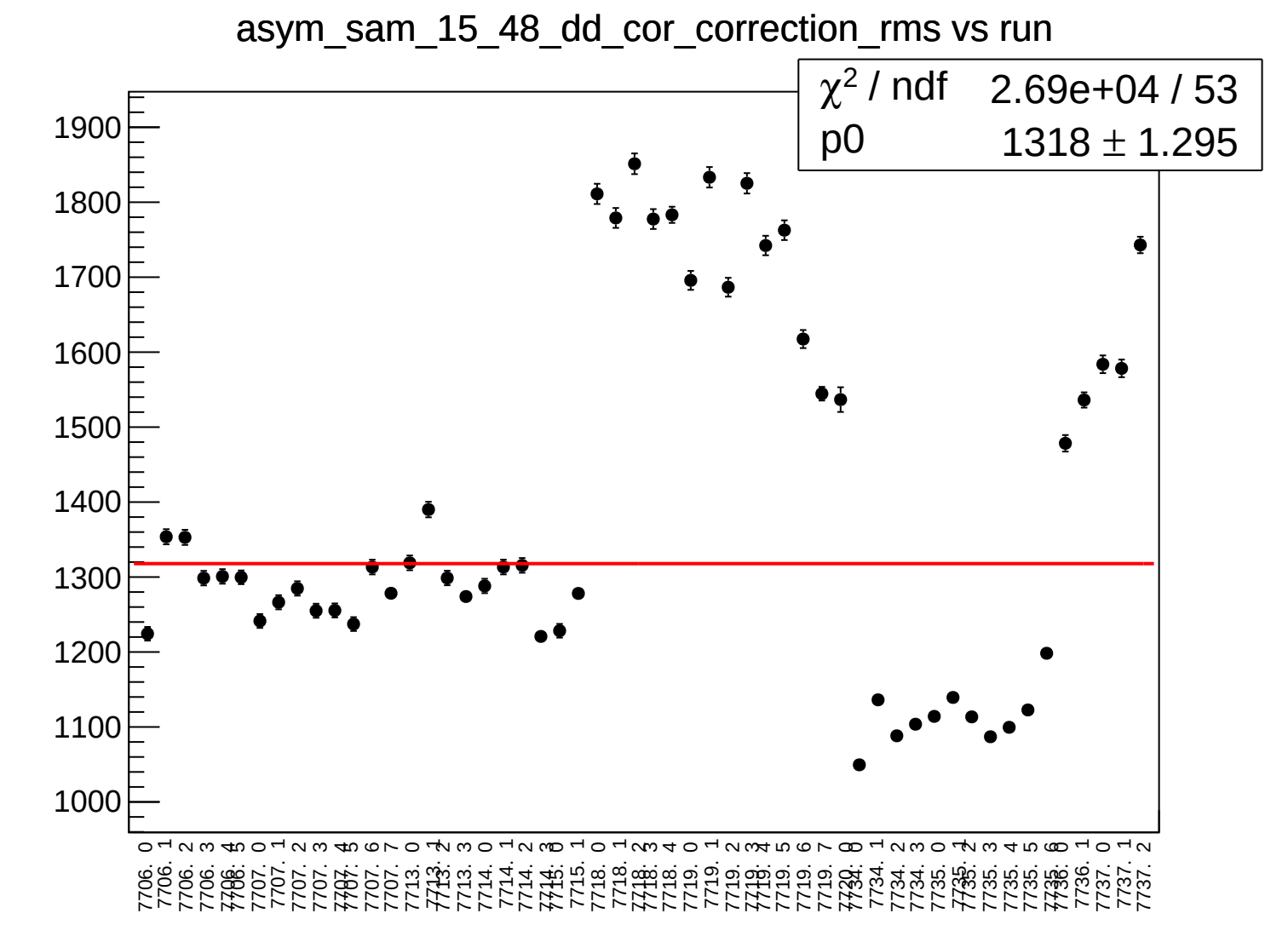

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 56.44 / 53
p0 44.27 ± 107.1
pull
Entries 54
Mean 128.6
Std Dev 0

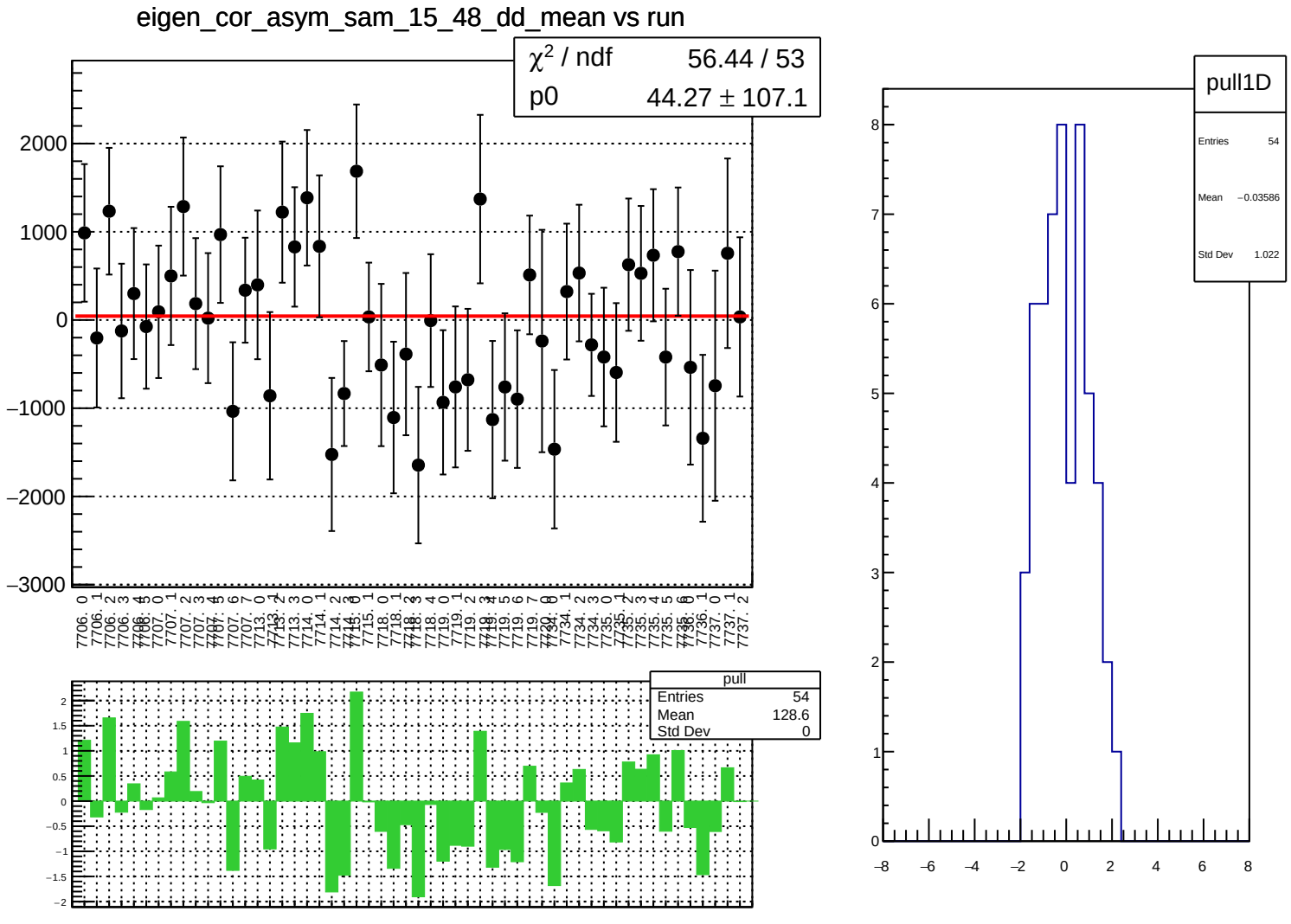

pull1D
Entries 54
Mean −0.03586
Std Dev 1.022

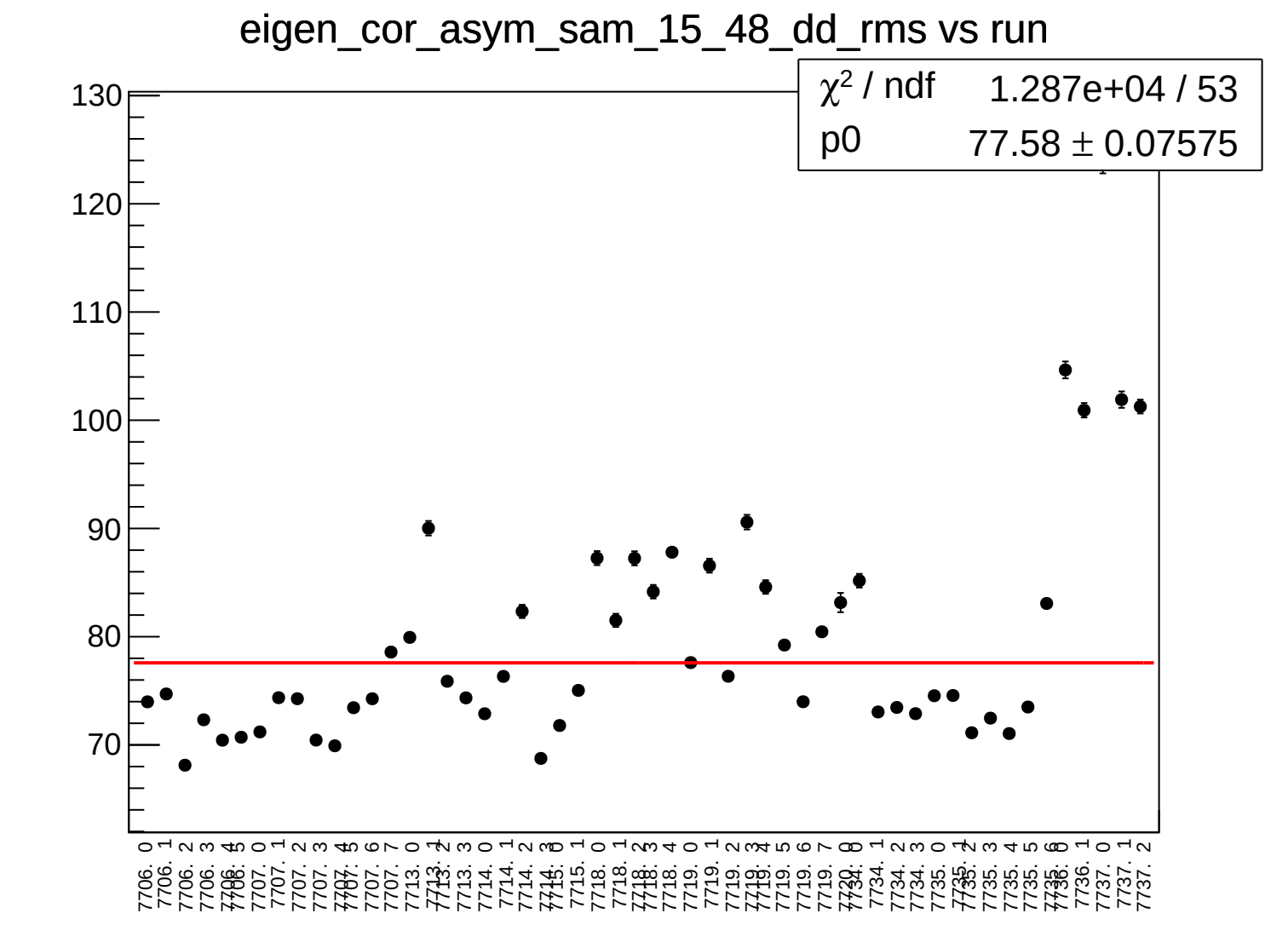

cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.287e+04 / 53
p0 77.58 ± 0.07575
130
120
110
100
90
80
70

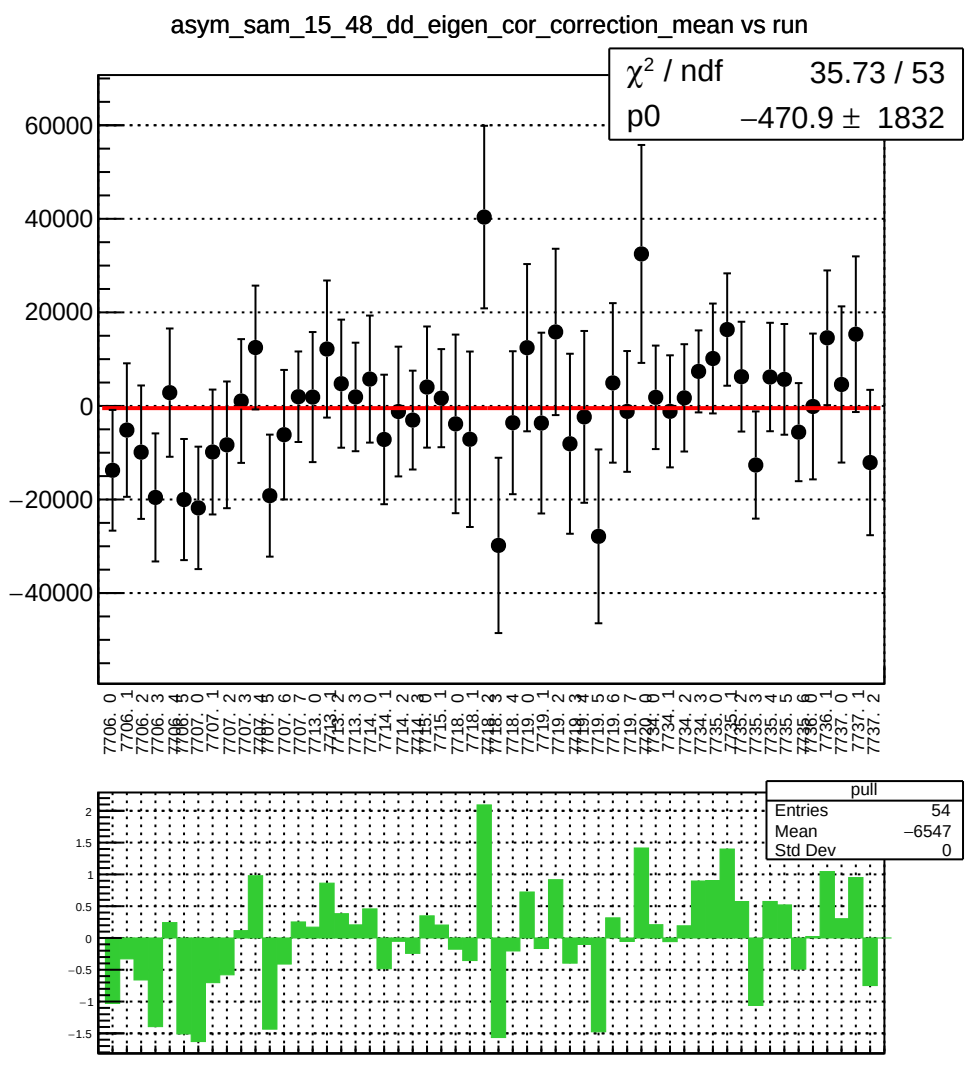

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 35.73 / 53
p0 −470.9 ± 1832
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −6547
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

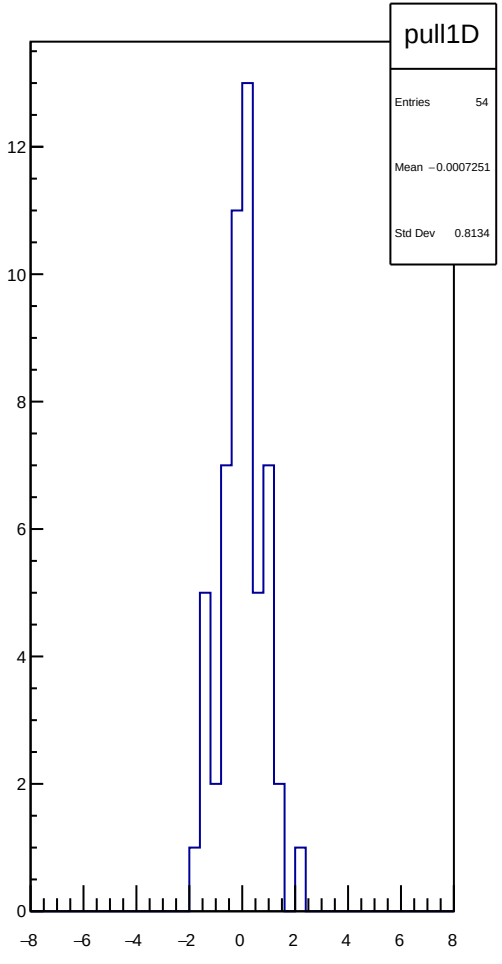

pull1D
Entries 54
Mean −0.0007251
Std Dev 0.8134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

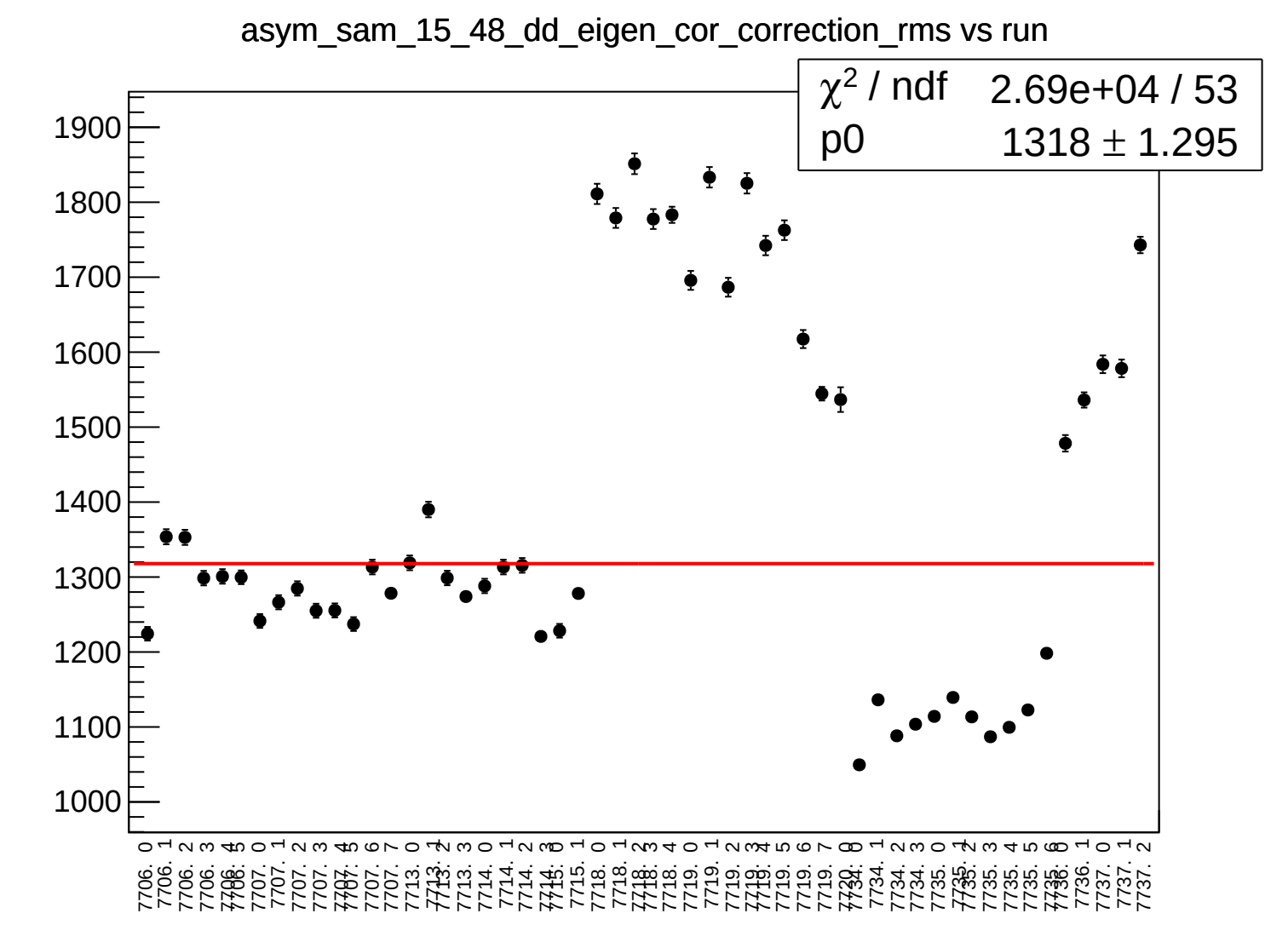

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 2.69e+04 / 53
p0 1318 ± 1.295
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

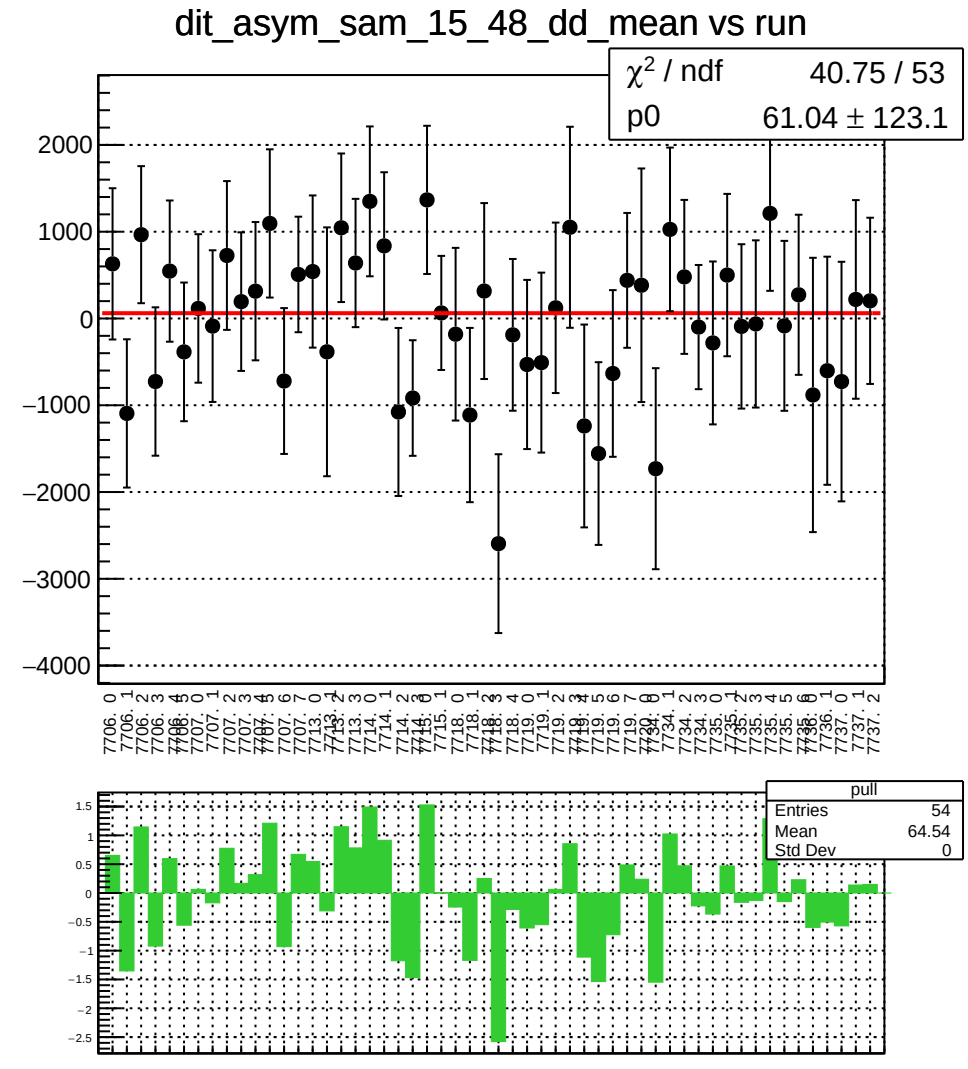

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 56.44 / 53
p0 44.27 ± 107.1
pull
Entries 54
Mean 128.6
Std Dev 0
pull1D
Entries 54
Mean −0.03586
Std Dev 1.022

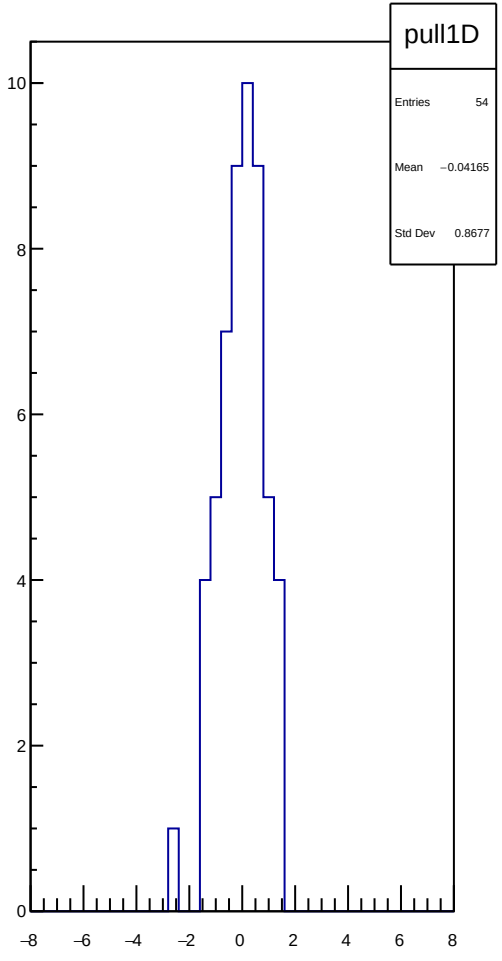

eigen_cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.287e+04 / 53
p0 77.58 ± 0.07575
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

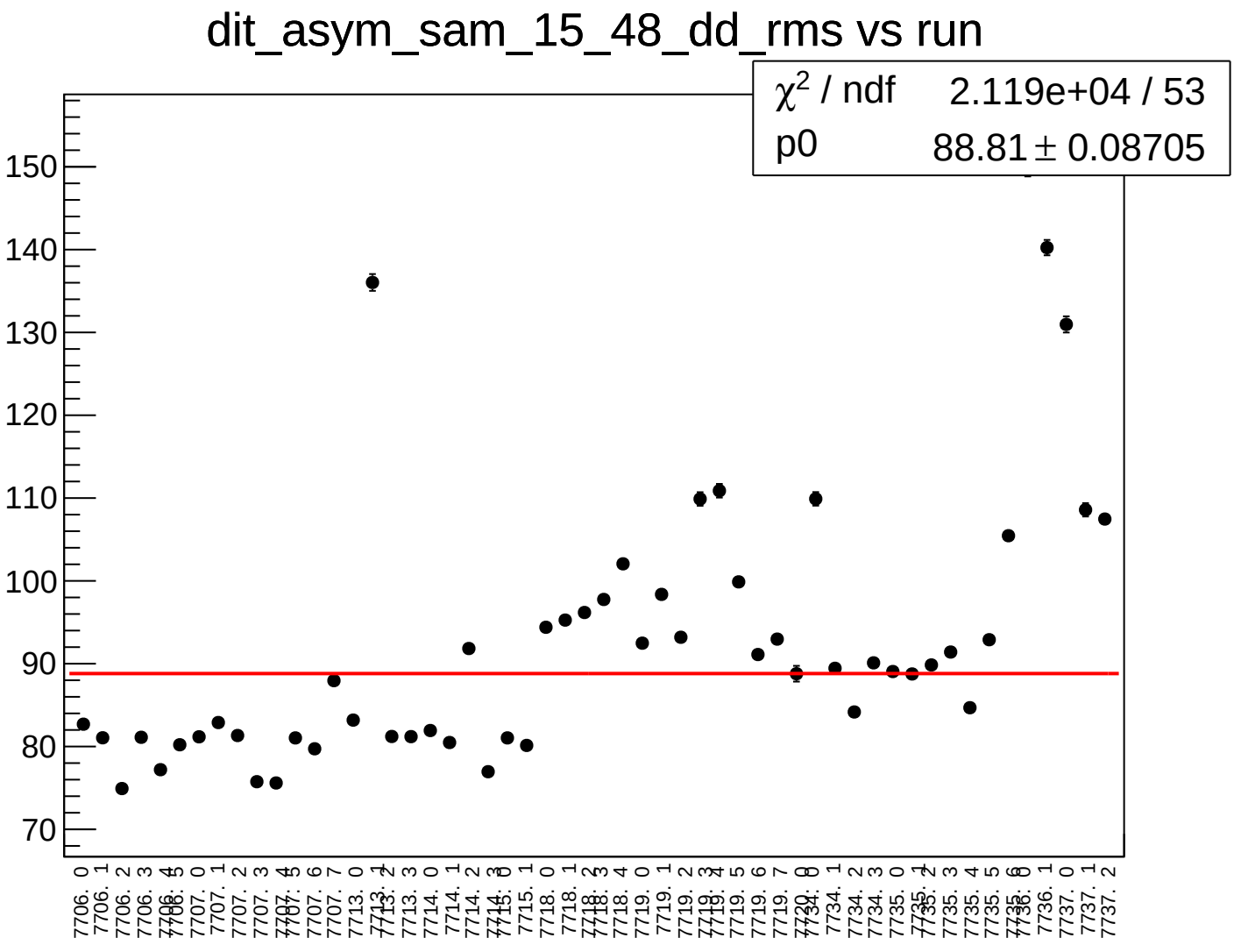

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.73 / 53
p0 −470.9 ± 1832
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −6547
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

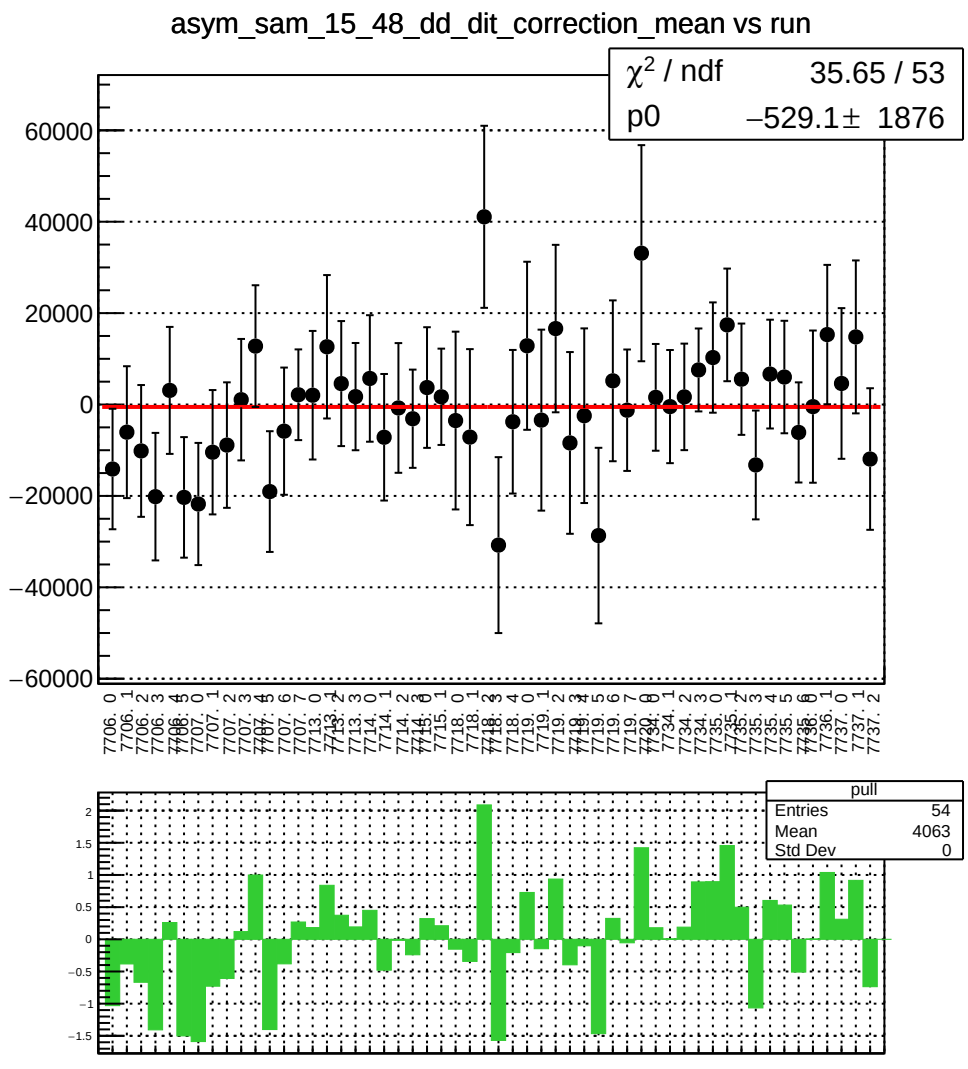

pull1D
Entries 54
Mean −0.0007251
Std Dev 0.8134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

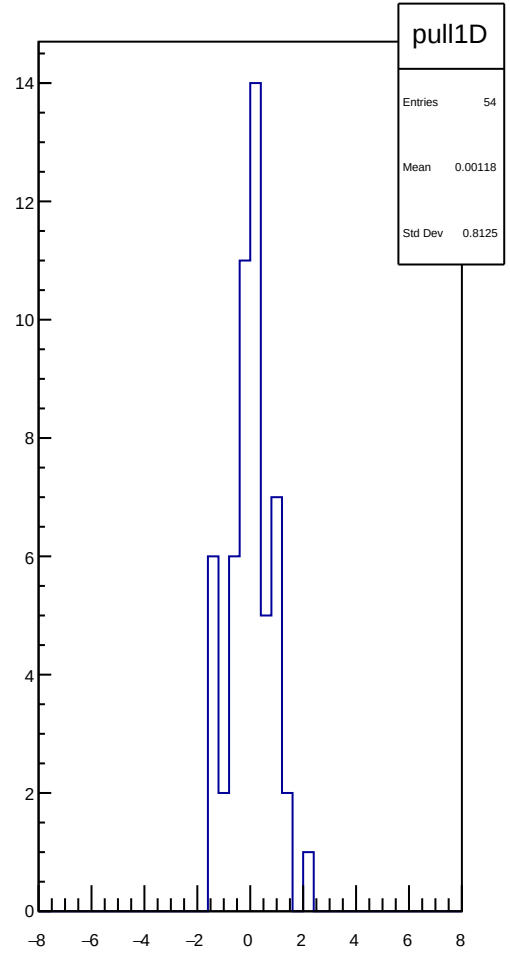

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.69e+04 / 53
p0 1318 ± 1.295
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

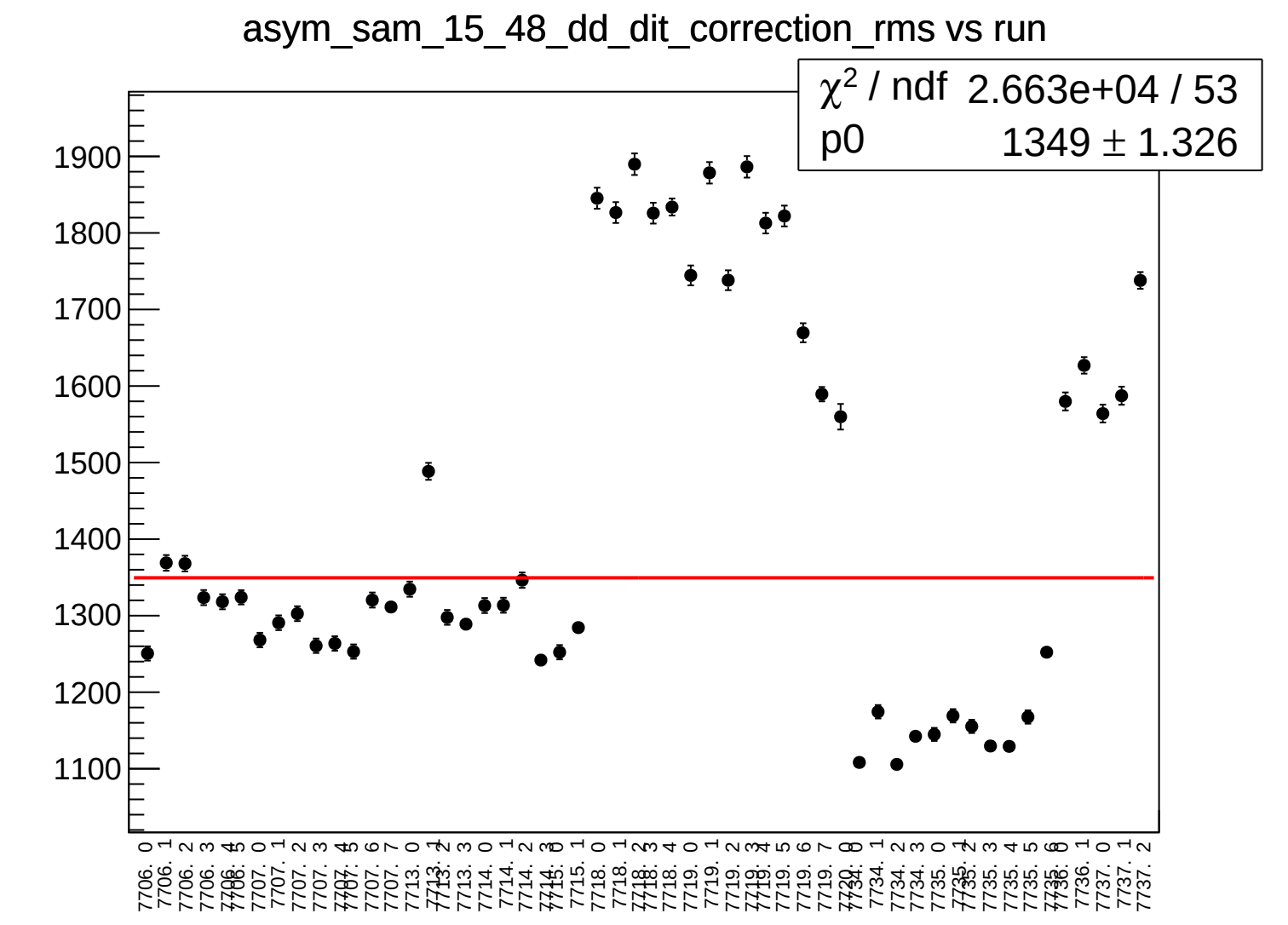

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 40.75 / 53
p0 61.04 ± 123.1
pull
Entries 54
Mean 64.54
Std Dev 0

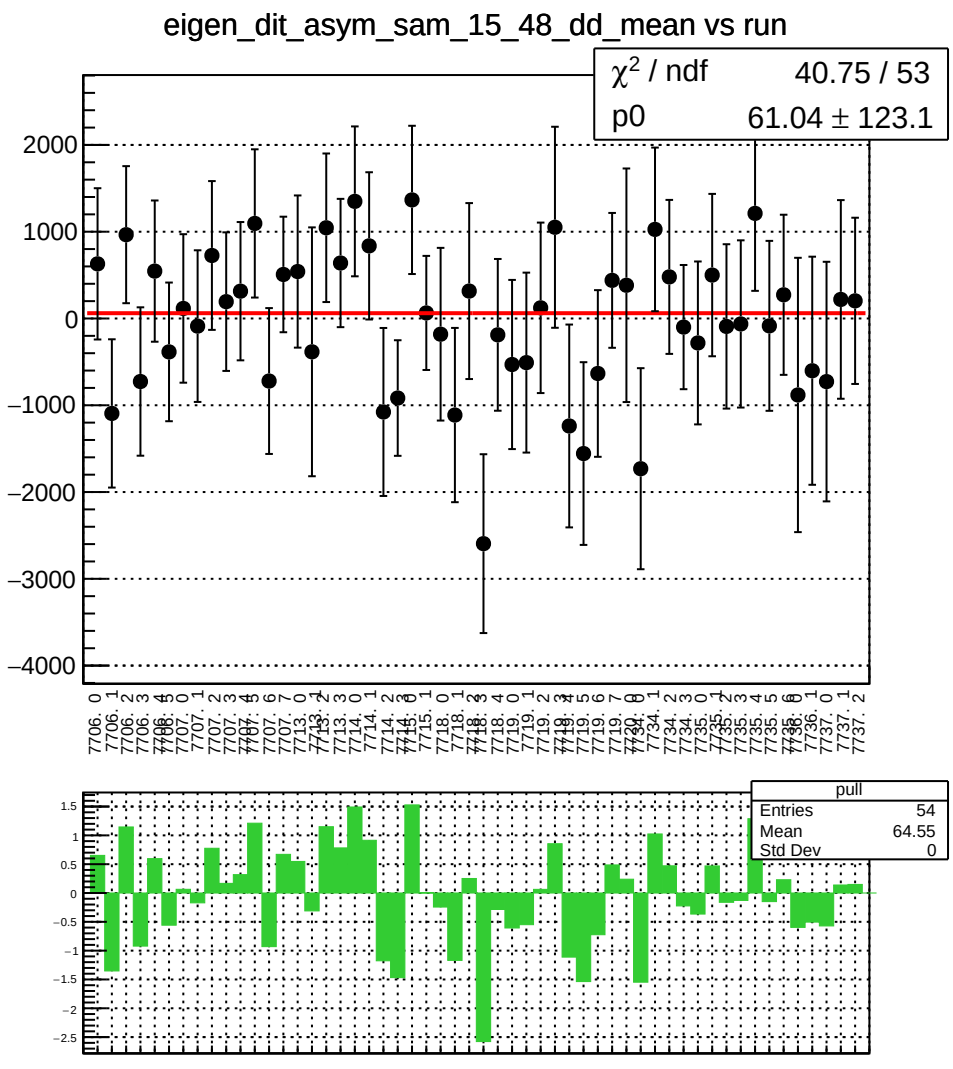

pull1D
Entries 54
Mean −0.04165
Std Dev 0.8677

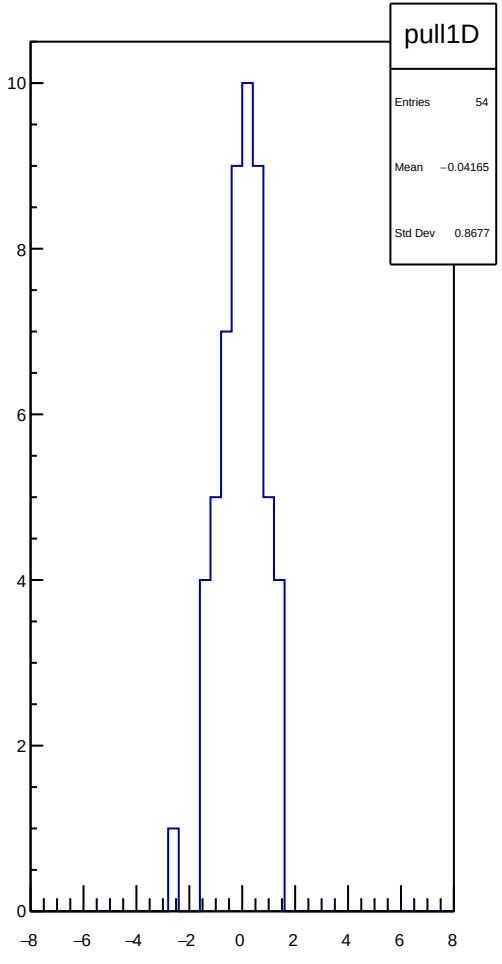

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.119e+04 / 53
p0 88.81 ± 0.08705
150
140
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

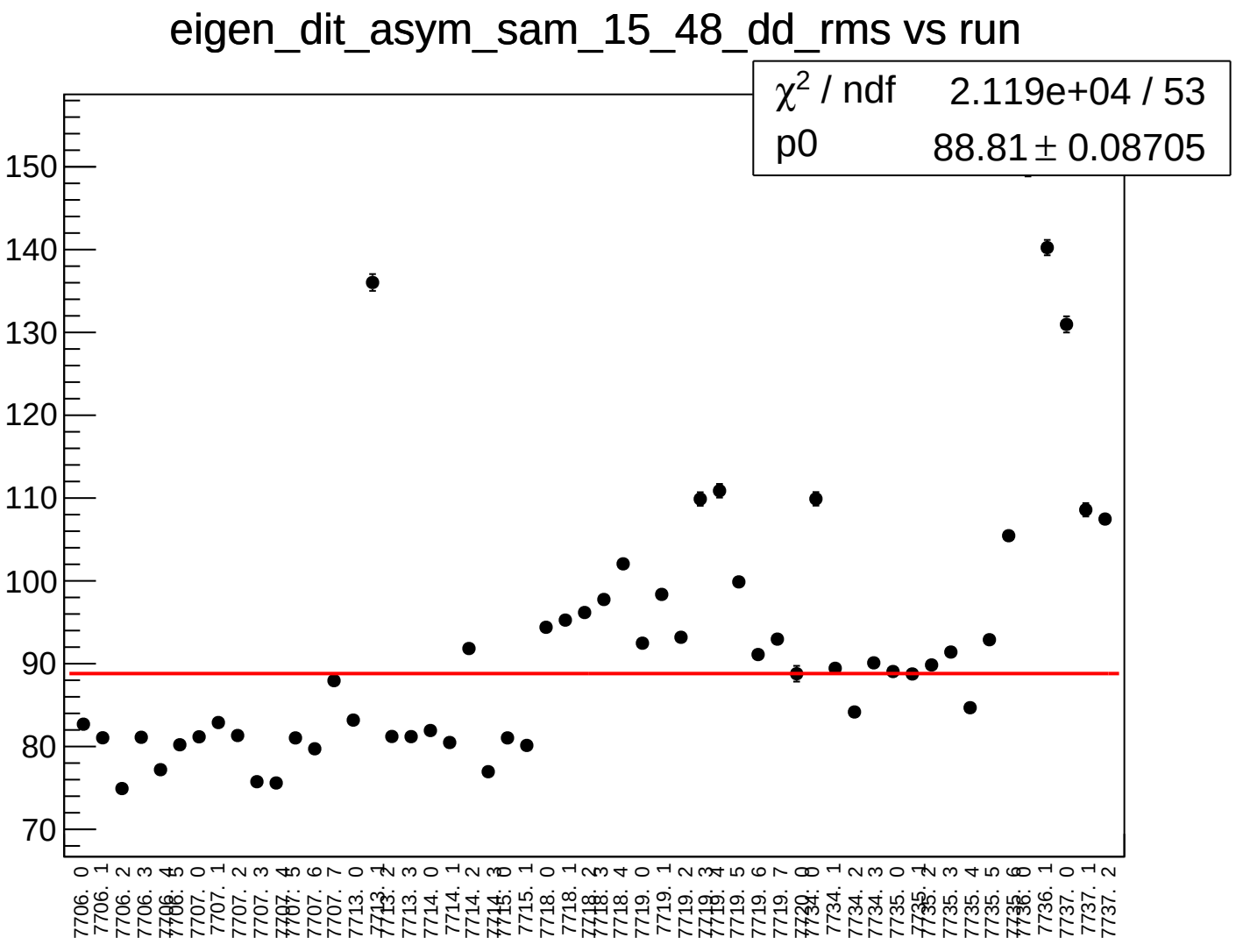

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 35.65 / 53
p0 −529.1± 1876
pull
Entries 54
Mean 4063
Std Dev 0

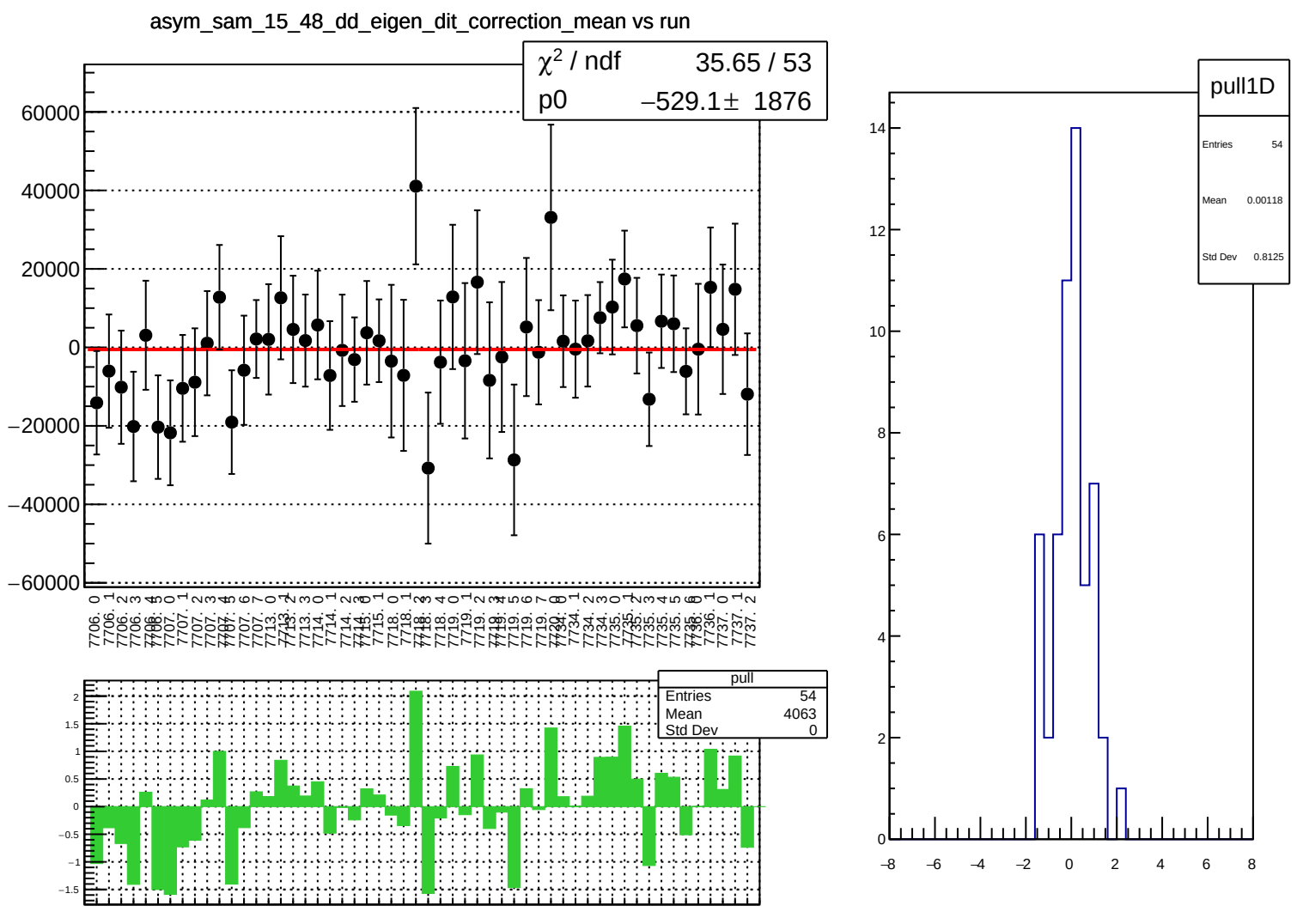

pull1D
Entries 54
Mean 0.00118
Std Dev 0.8125

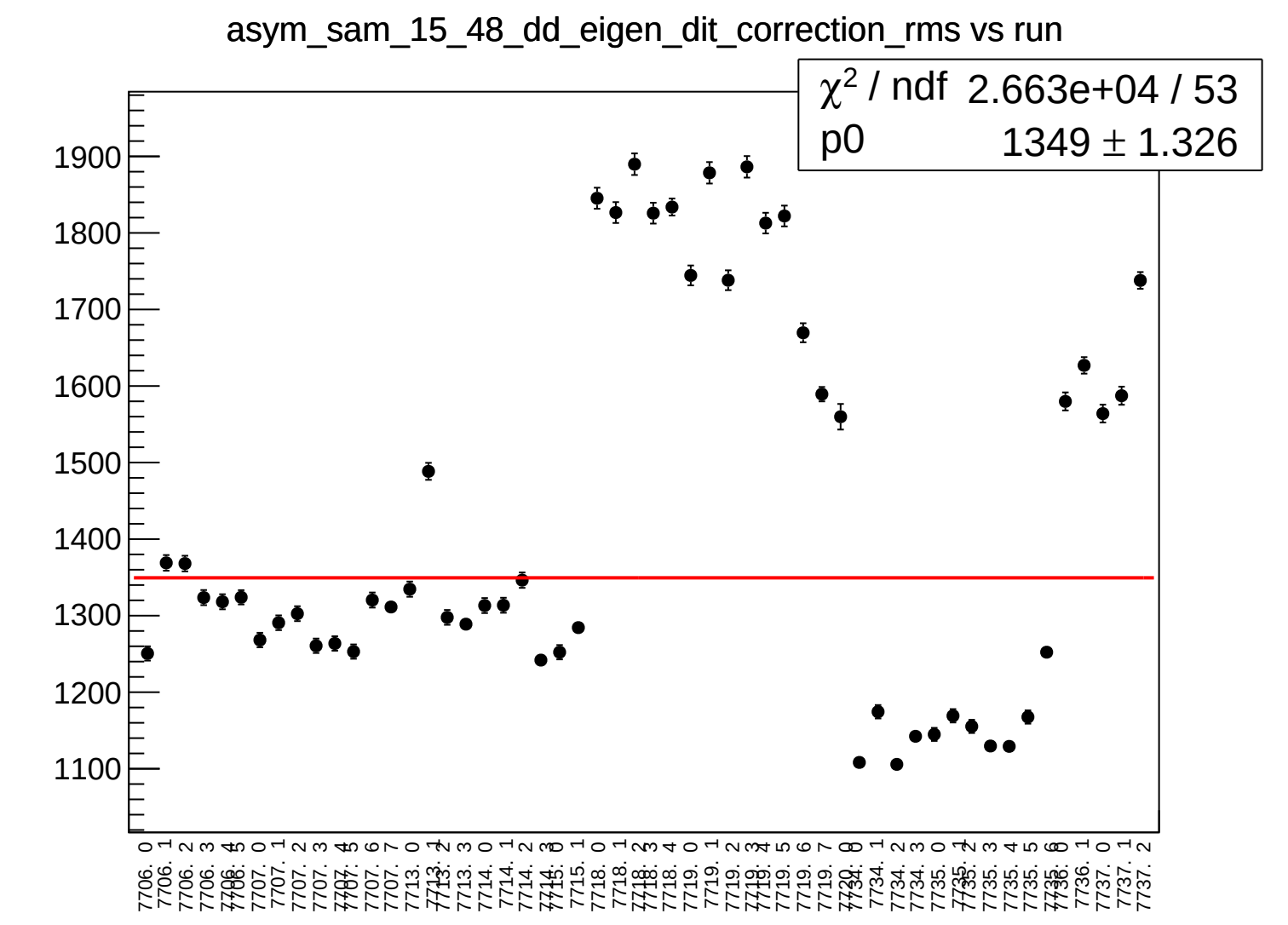

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2.663e+04 / 53
p0 1349 ± 1.326
1900
1800
1700
1600
1500
1400
1300
1200
1100

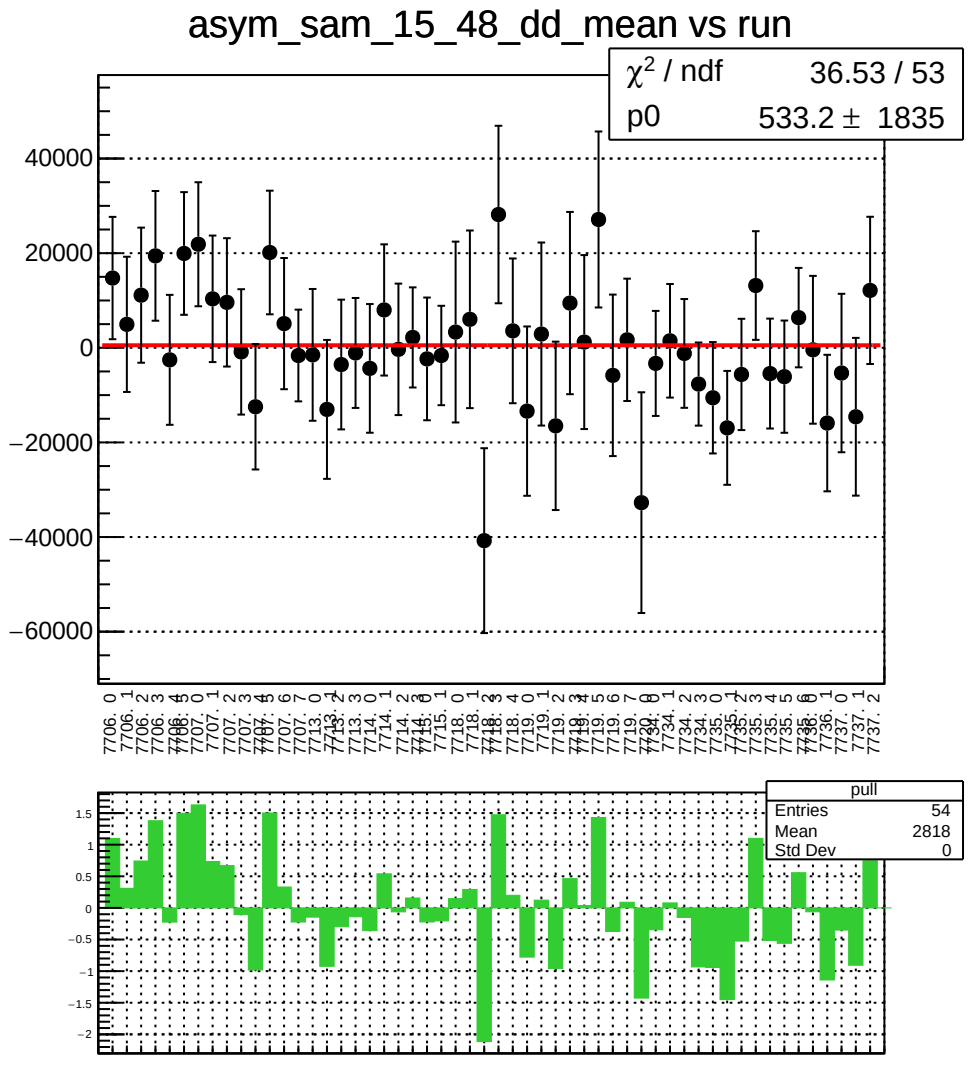

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 40.75 / 53
p0 61.04 ± 123.1
pull
Entries 54
Mean 64.55
Std Dev 0

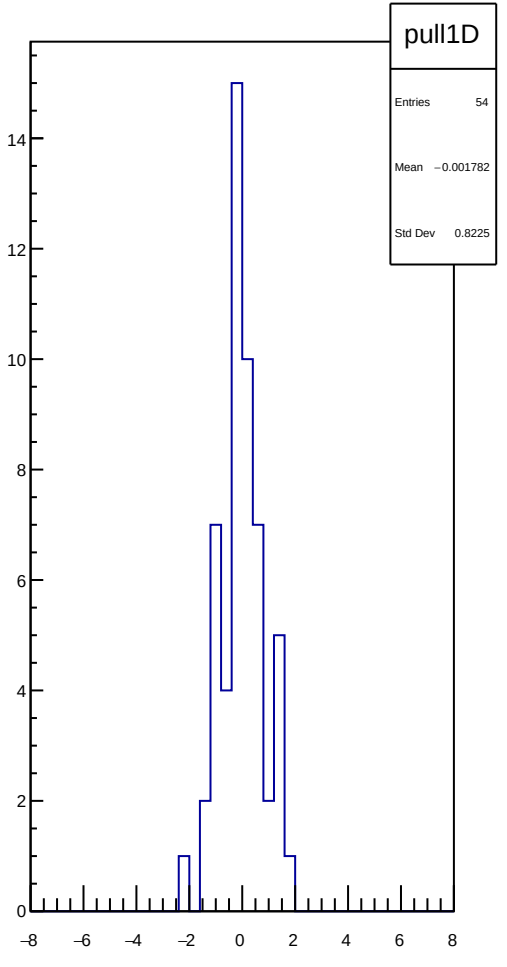

pull1D
Entries 54
Mean −0.04165
Std Dev 0.8677

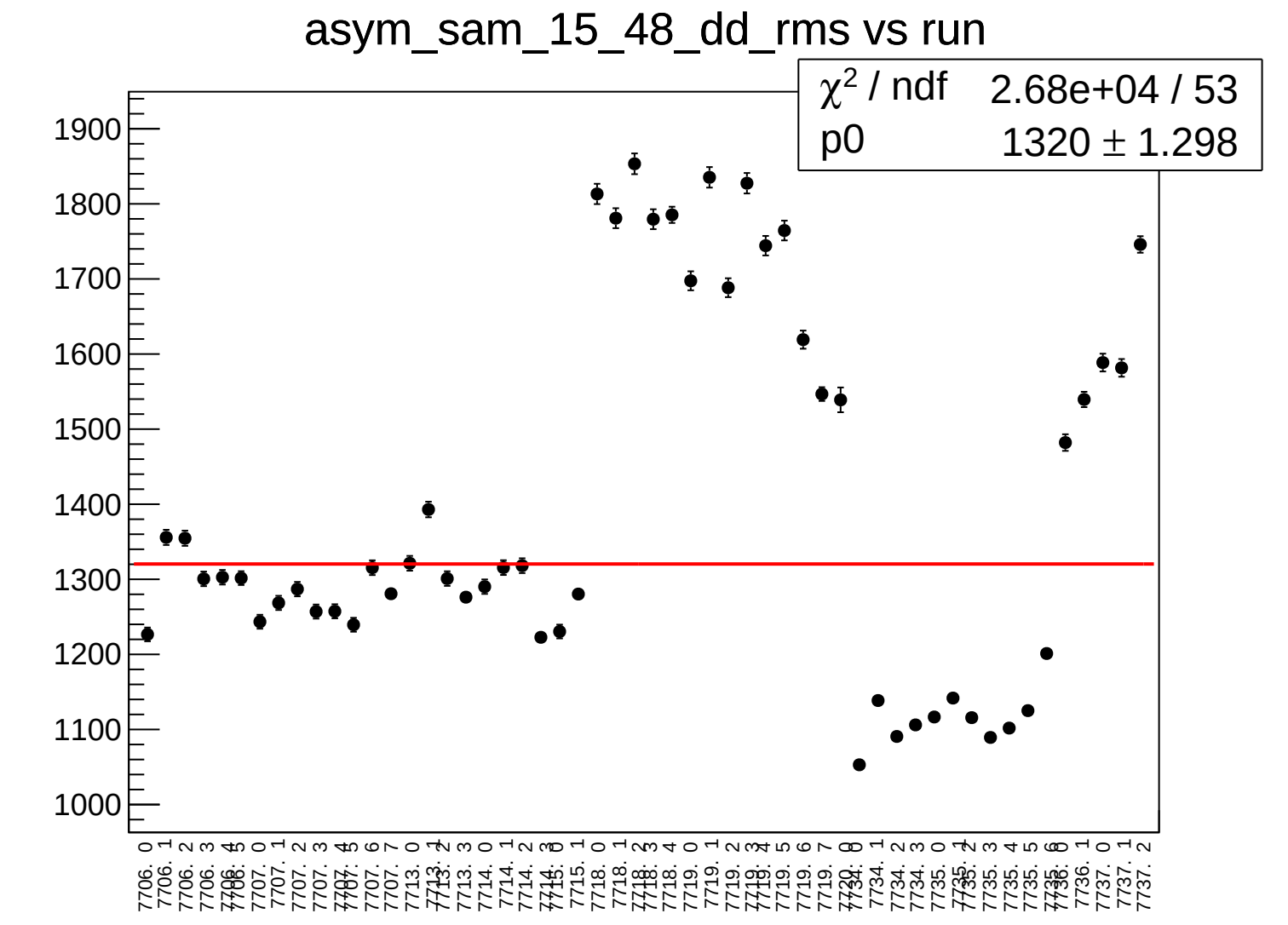

eigen_dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.119e+04 / 53
p0 88.81 ± 0.08705
150
140
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

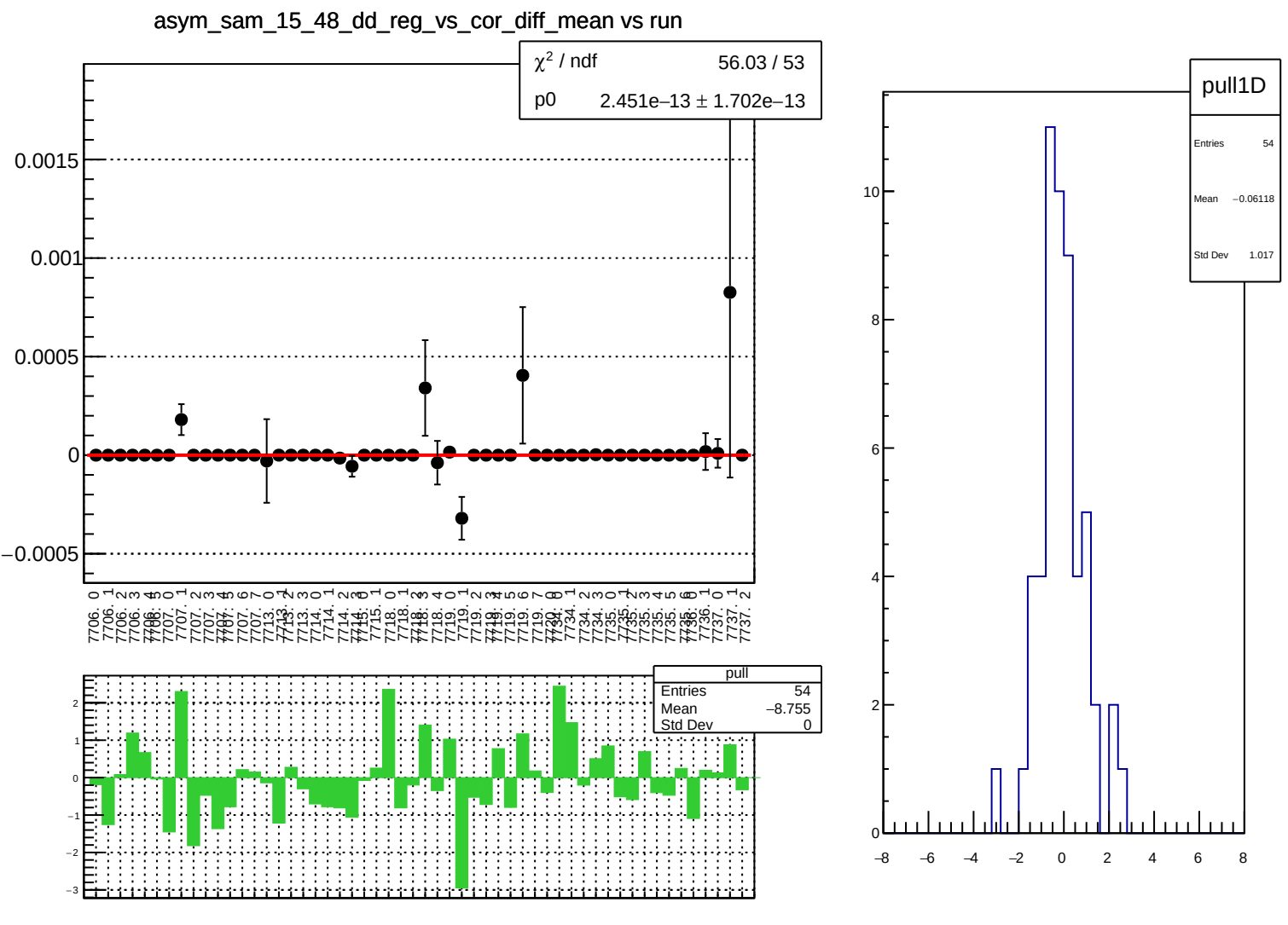

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.65 / 53
p0 −529.1± 1876
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 4063
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.00118
Std Dev 0.8125
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

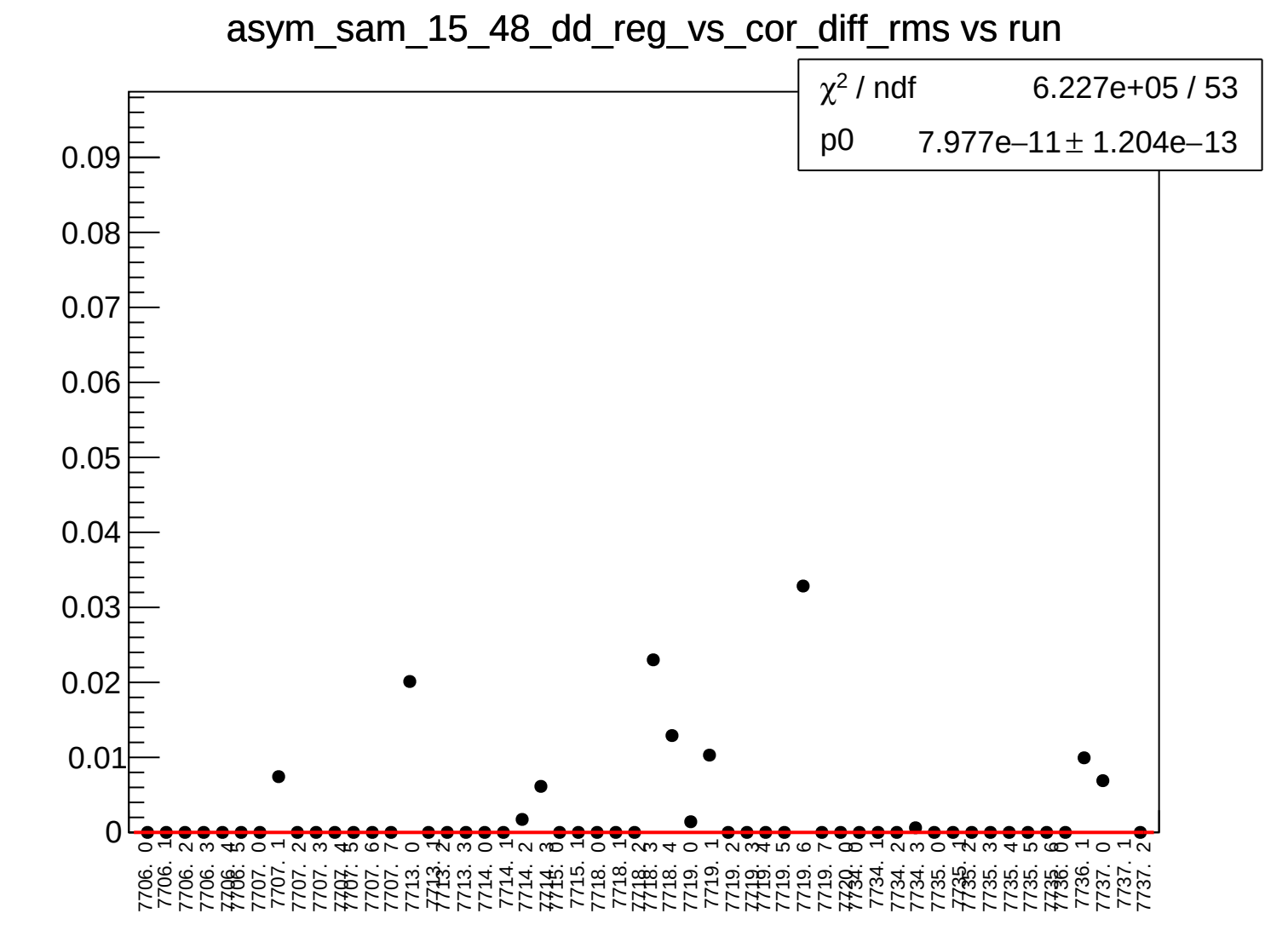

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.663e+04 / 53
p0 1349 ± 1.326
1900
1800
1700
1600
1500
1400
1300
1200
1100

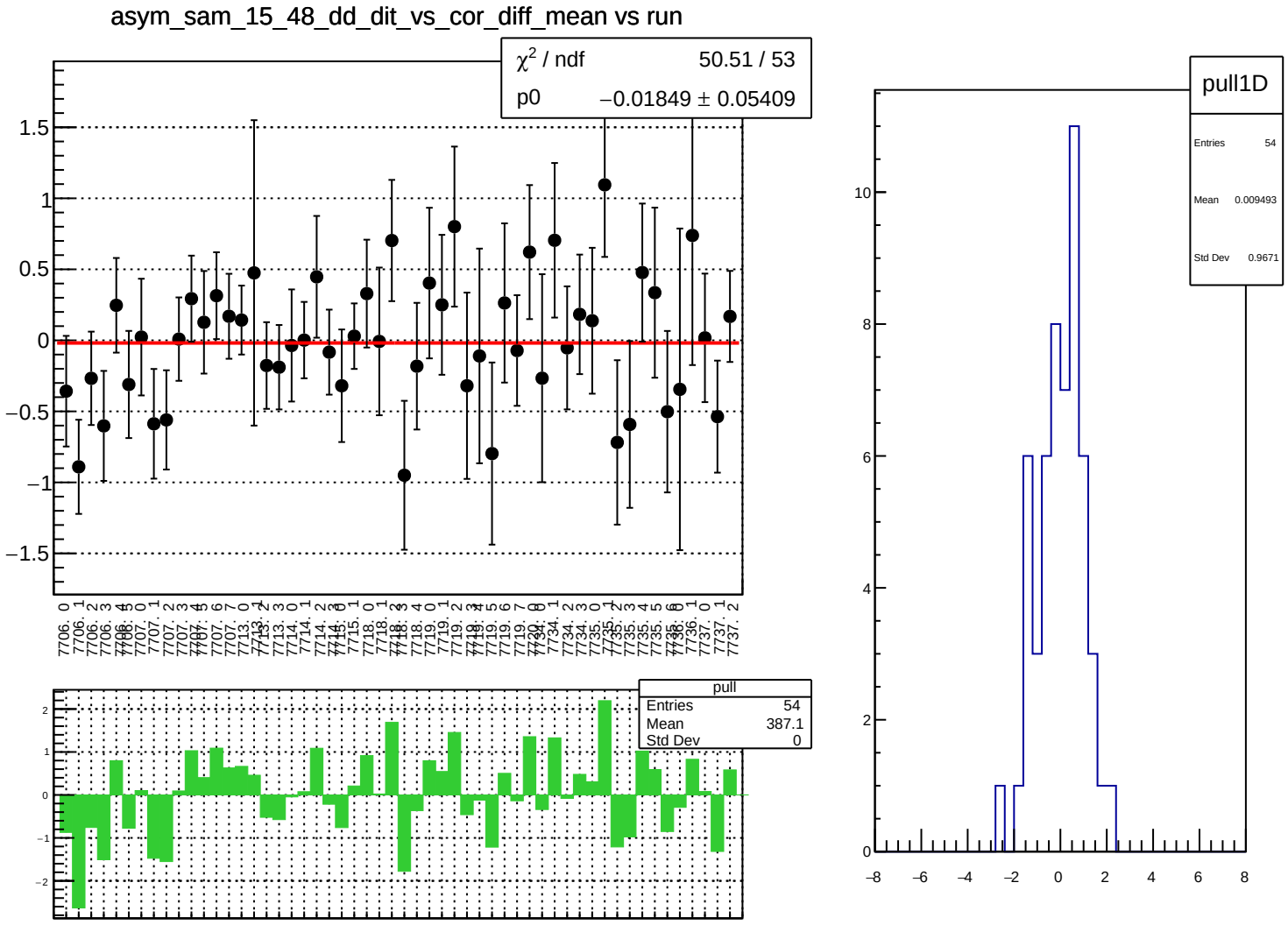

asym_sam_15_48_dd_mean vs run
χ² / ndf 36.53 / 53
p0 533.2 ± 1835
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 2818
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

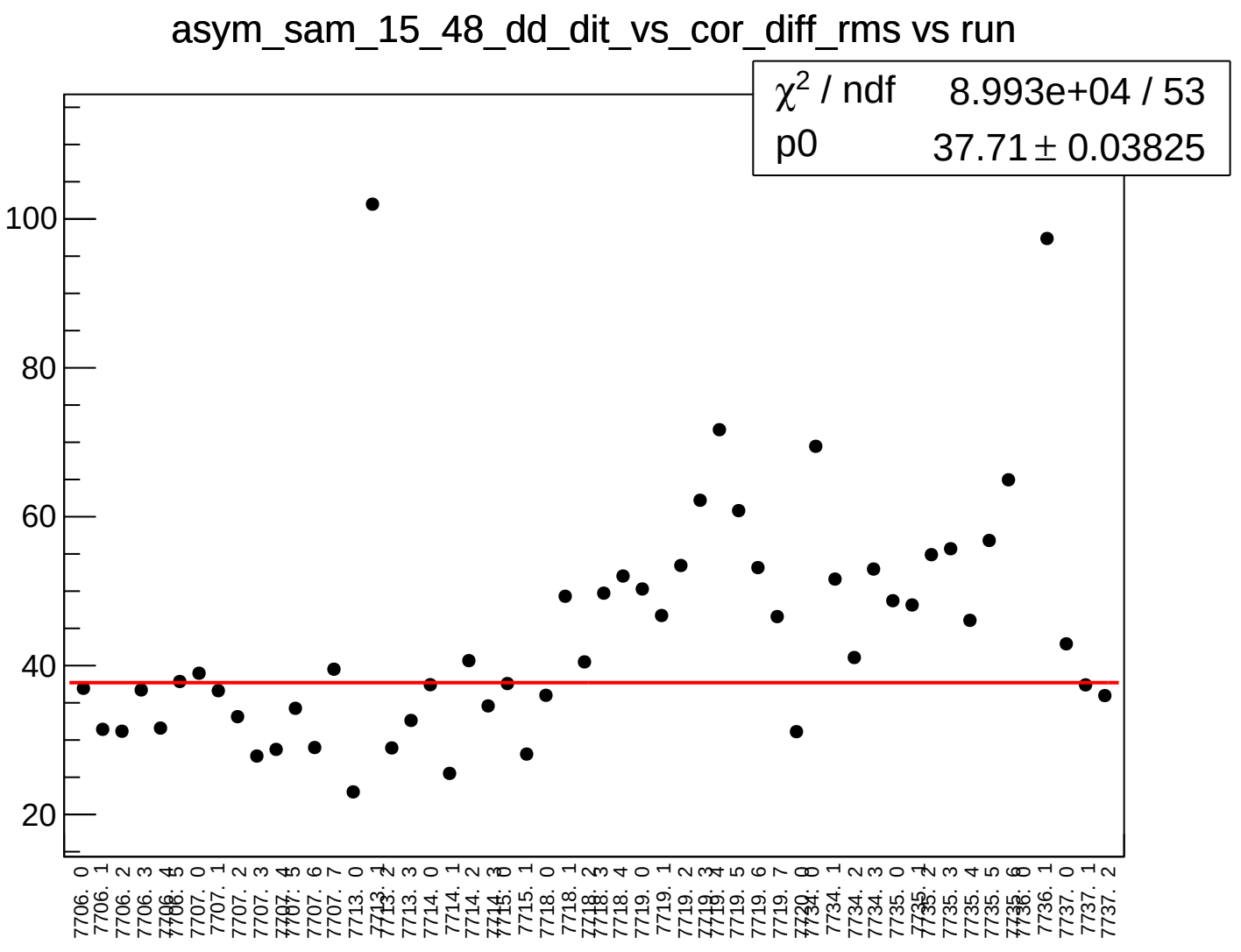

pull1D
Entries 54
Mean −0.001782
Std Dev 0.8225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

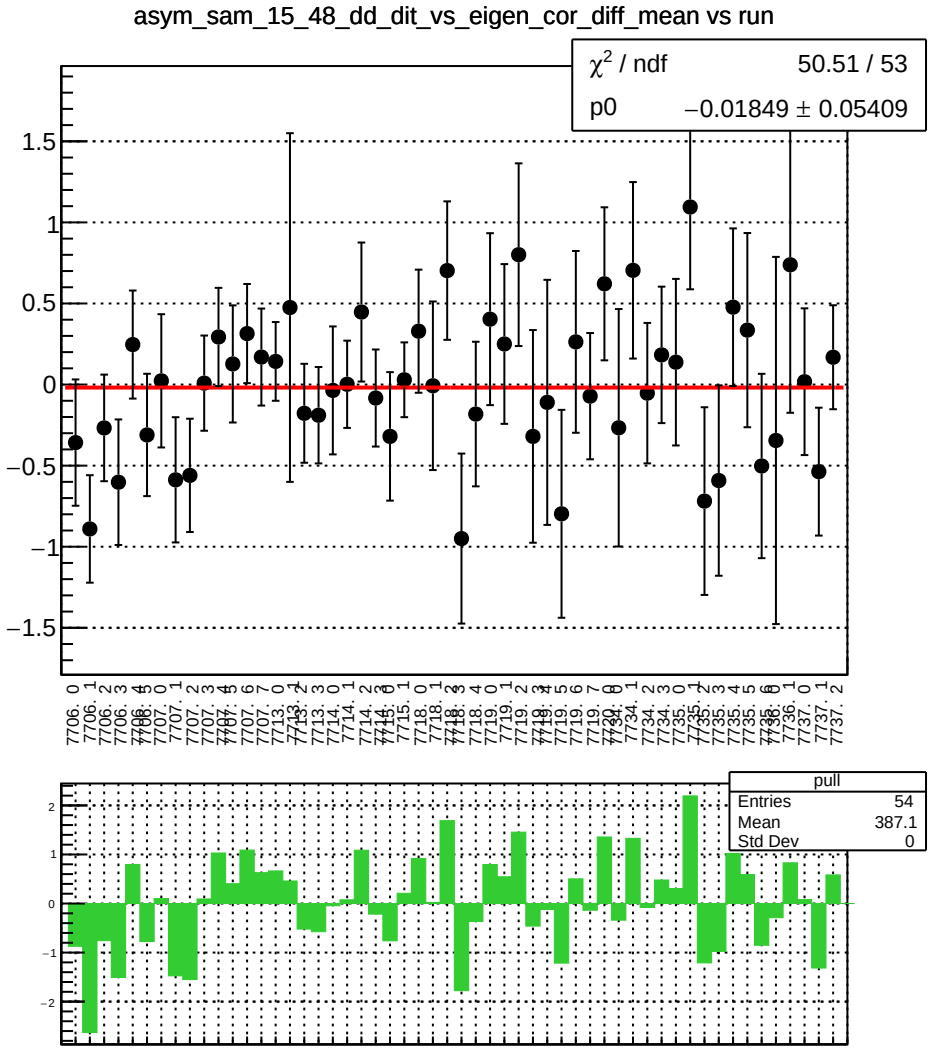

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.68e+04 / 53
p0 1320 ± 1.298
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

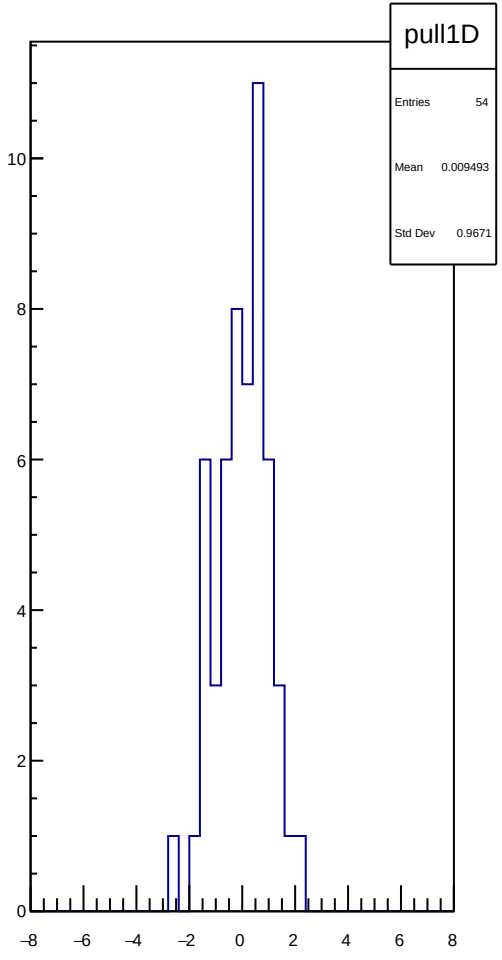

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.03 / 53
p0 2.451e−13 ± 1.702e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 54
Mean −8.755
Std Dev 0
pull1D
Entries 54
Mean −0.06118
Std Dev 1.017

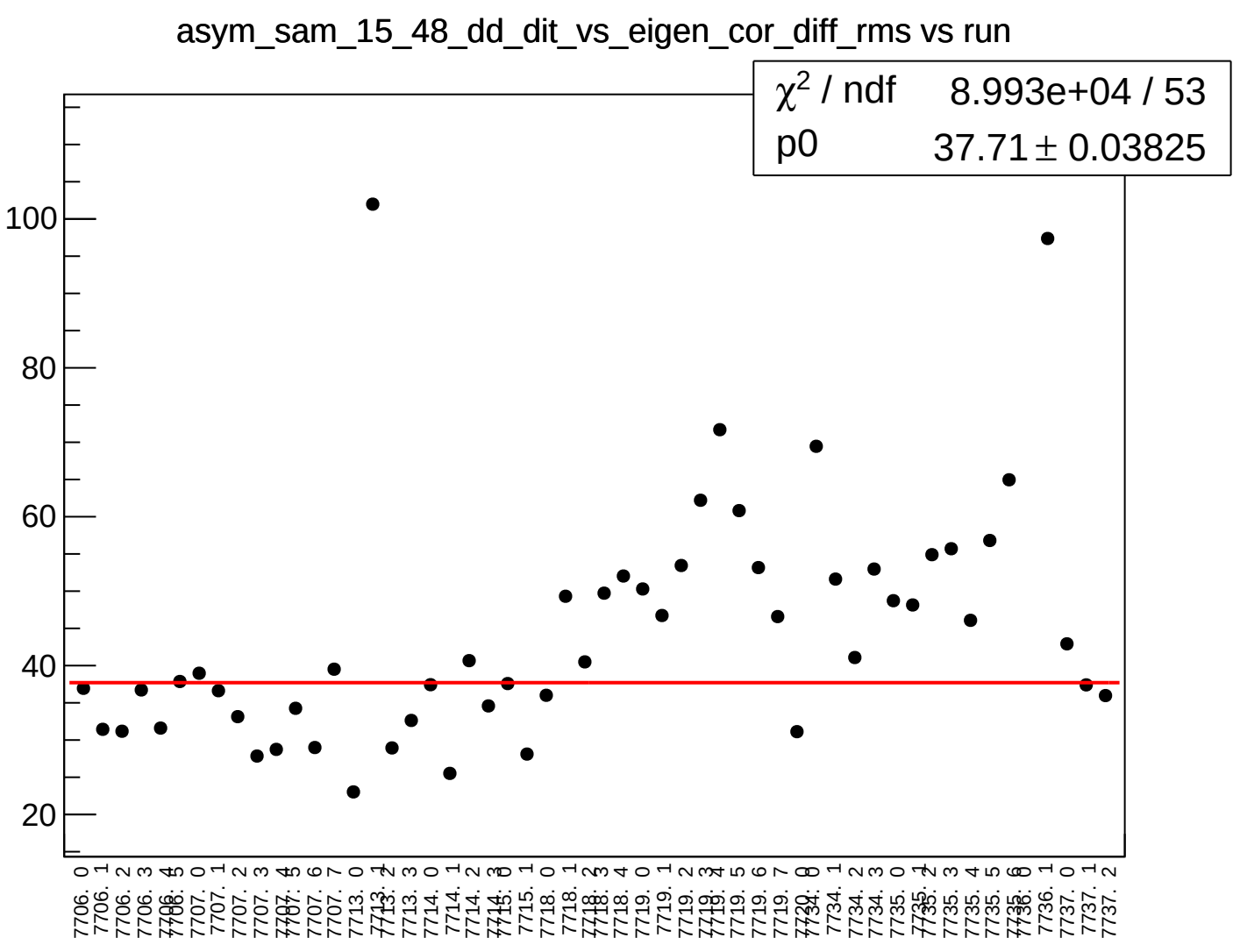

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.227e+05 / 53
p0 7.977e−11 ± 1.204e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
77706. 0
77706. 1
77706. 2
77706. 3
77706. 4
77706. 5
77707. 0
77707. 1
77707. 2
77707. 3
77707. 4
77707. 5
77707. 6
77707. 7
77713. 0
77713. 1
77713. 2
77713. 3
77714. 0
77714. 1
77714. 2
77714. 3
77715. 0
77715. 1
77718. 0
77718. 1
77718. 2
77718. 3
77718. 4
77719. 0
77719. 1
77719. 2
77719. 3
77719. 4
77719. 5
77719. 6
77719. 7
77720. 0
77734. 1
77734. 2
77734. 3
77735. 0
77735. 1
77735. 2
77735. 3
77735. 4
77735. 5
77735. 6
77736. 0
77736. 1
77737. 0
77737. 1
77737. 2

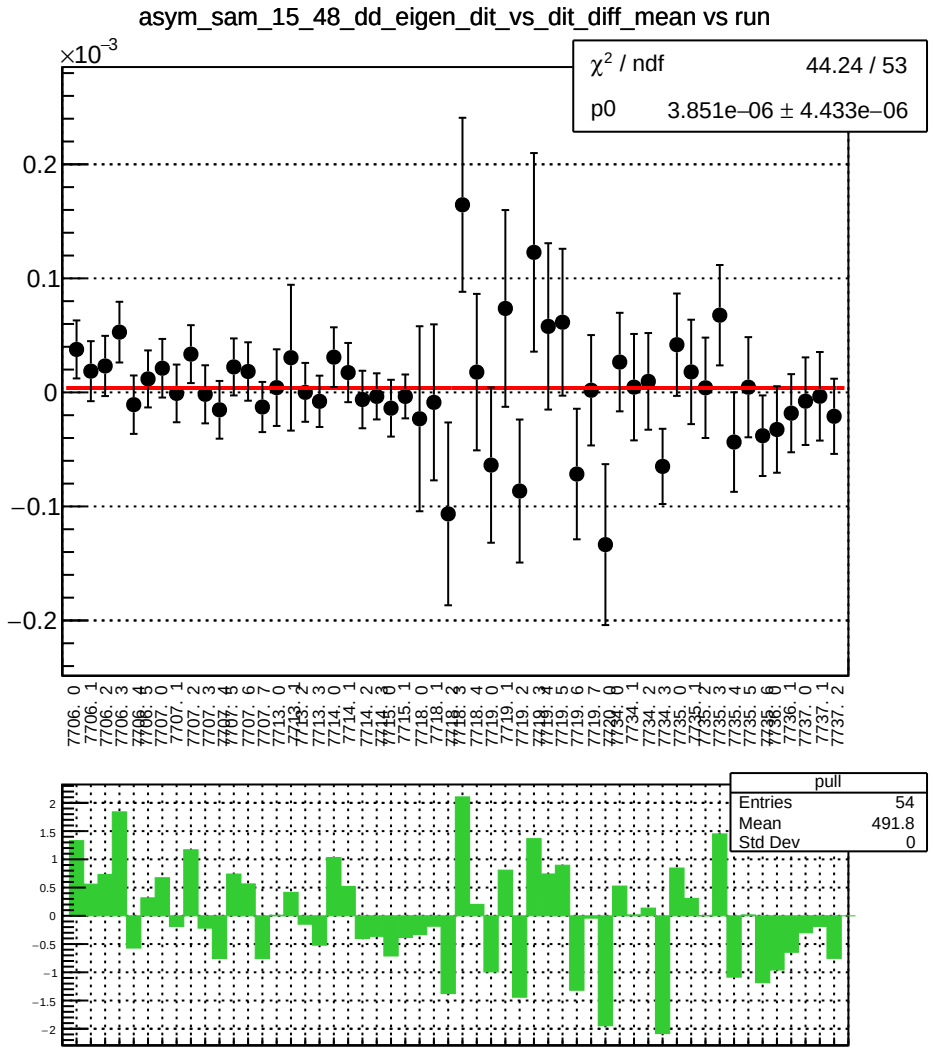

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.51 / 53
p0 −0.01849 ± 0.05409
pull
Entries 54
Mean 387.1
Std Dev 0
pull1D
Entries 54
Mean 0.009493
Std Dev 0.9671

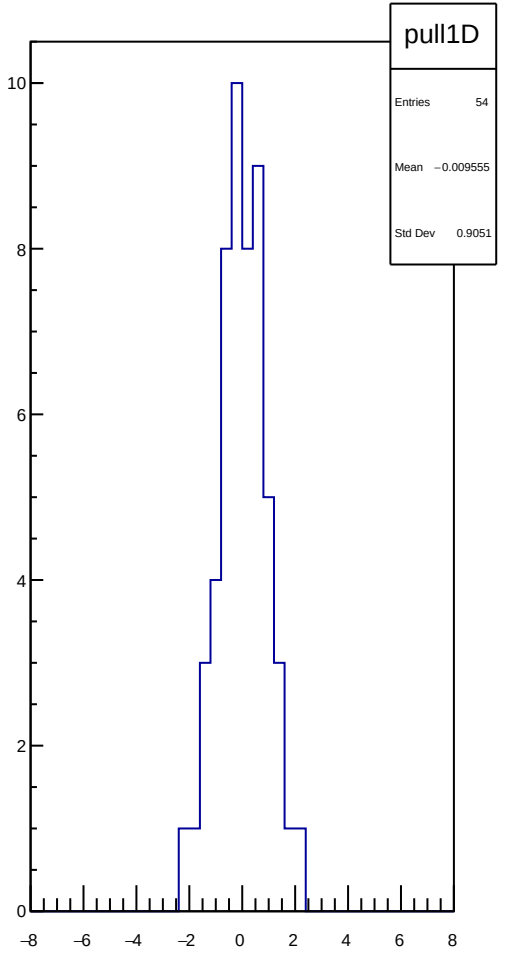

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.993e+04 / 53
p0 37.71 ± 0.03825
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

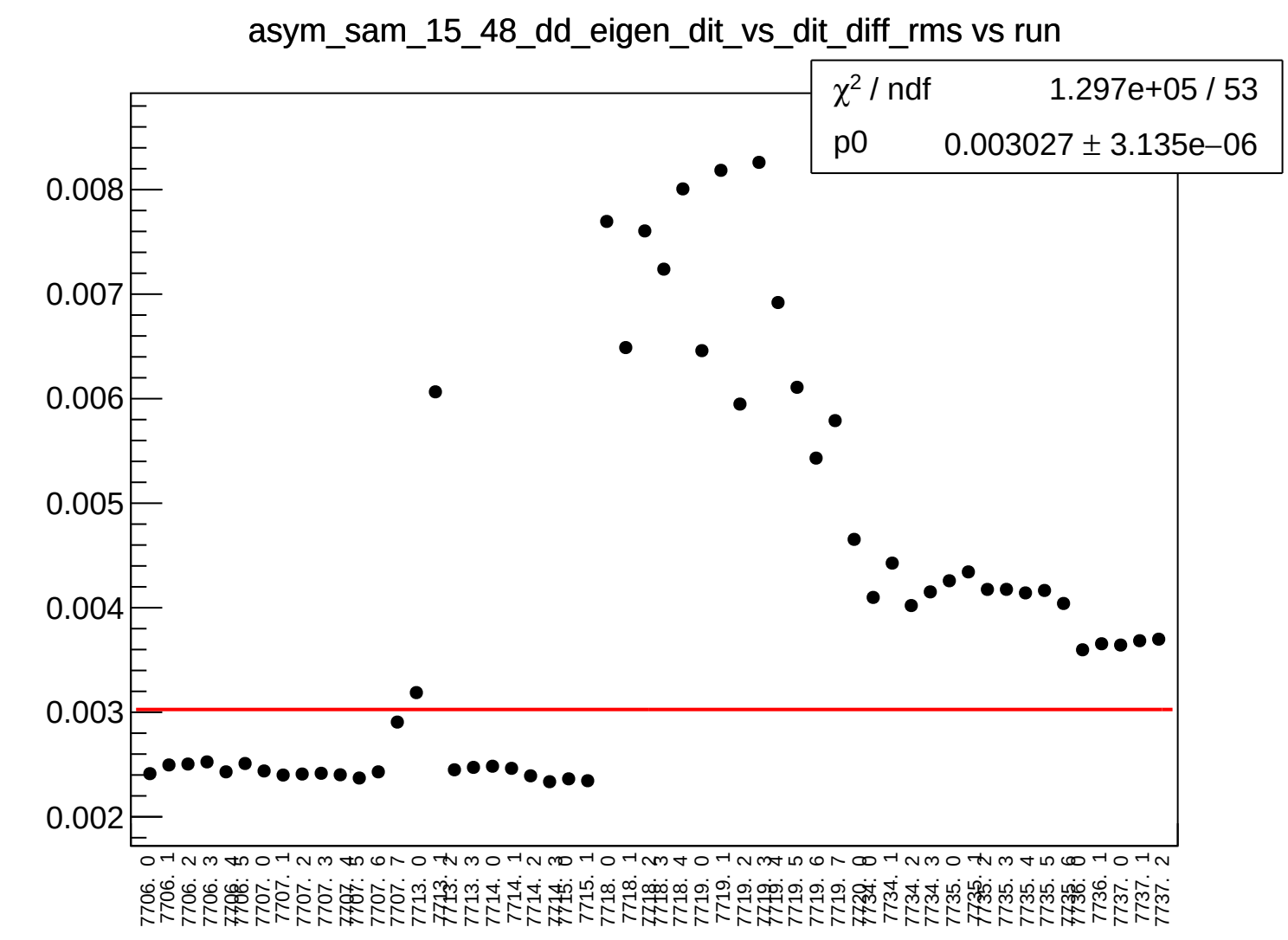

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.51 / 53
p0 −0.01849 ± 0.05409
pull
Entries 54
Mean 387.1
Std Dev 0

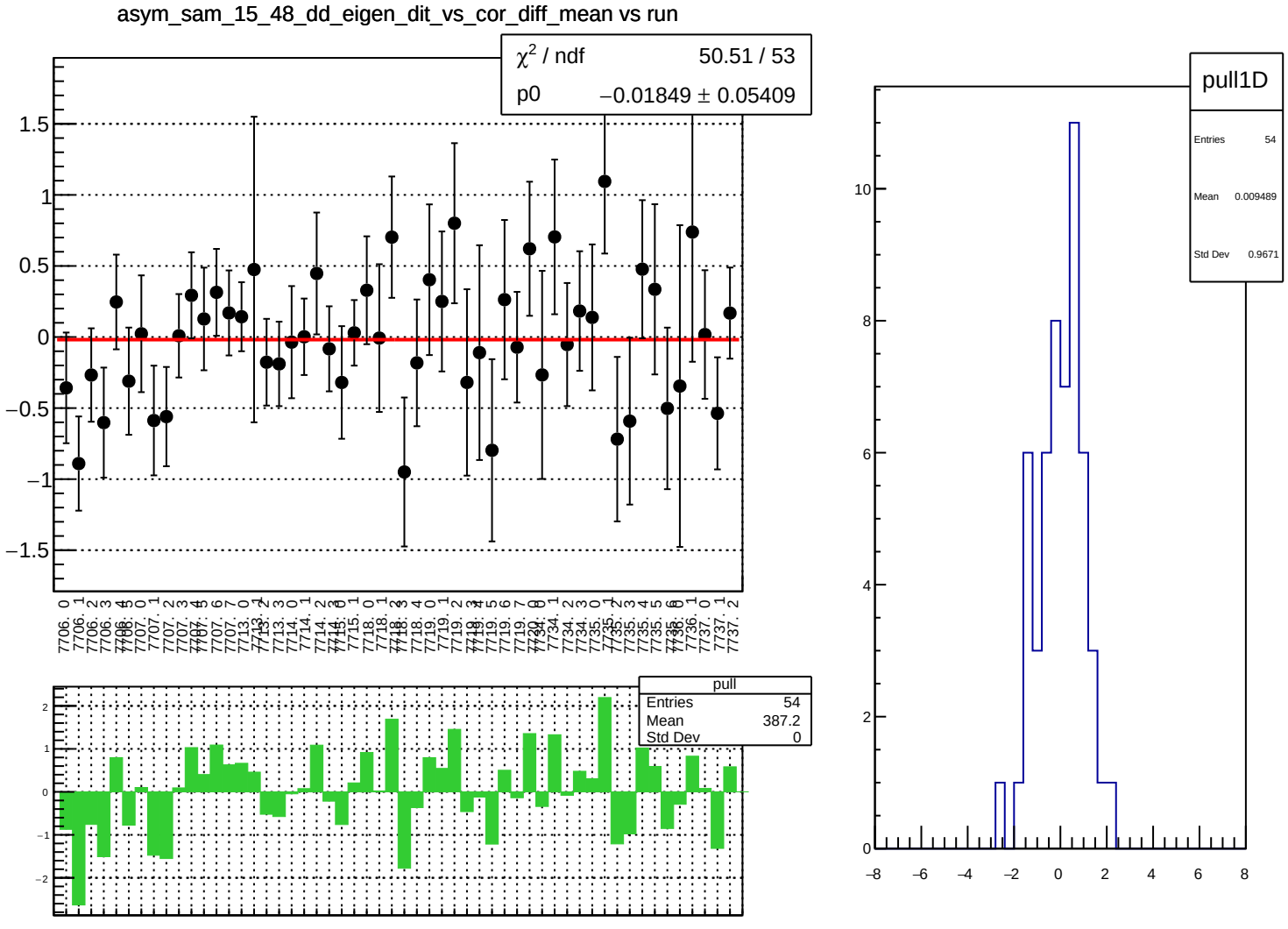

pull1D
Entries 54
Mean 0.009493
Std Dev 0.9671

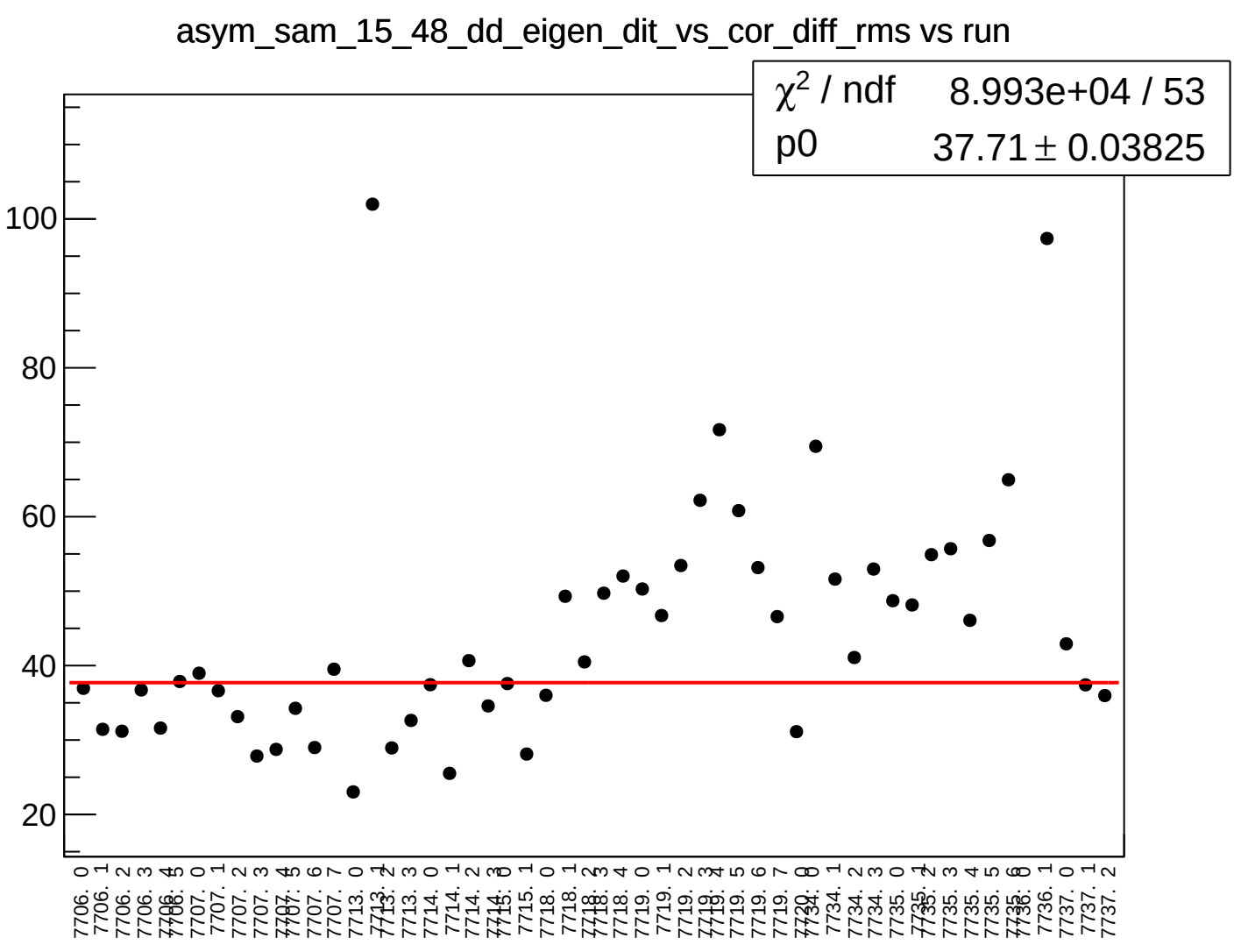

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.993e+04 / 53
p0 37.71 ± 0.03825
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

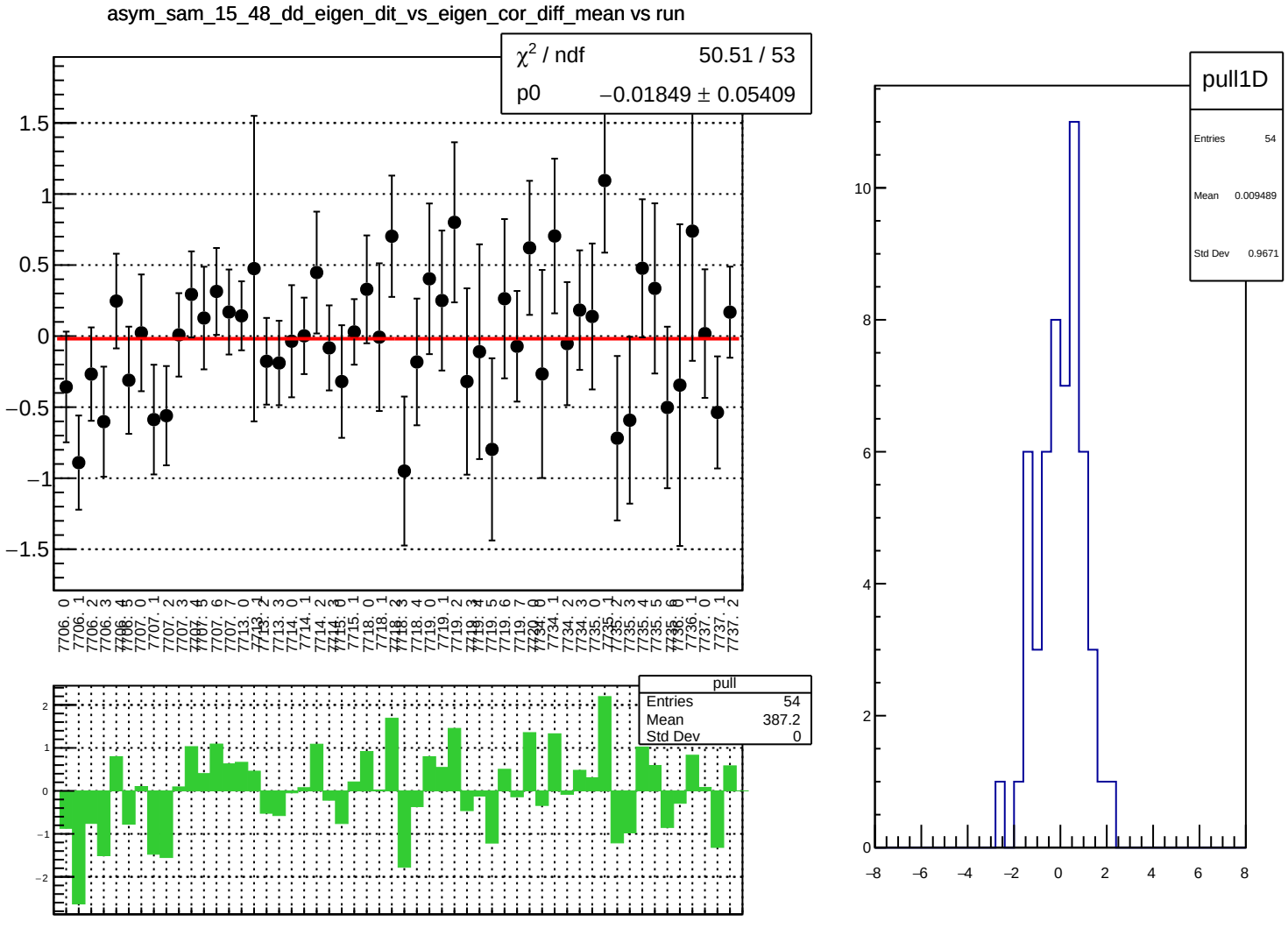

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.24 / 53
p0 3.851e−06 ± 4.433e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 54
Mean 491.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

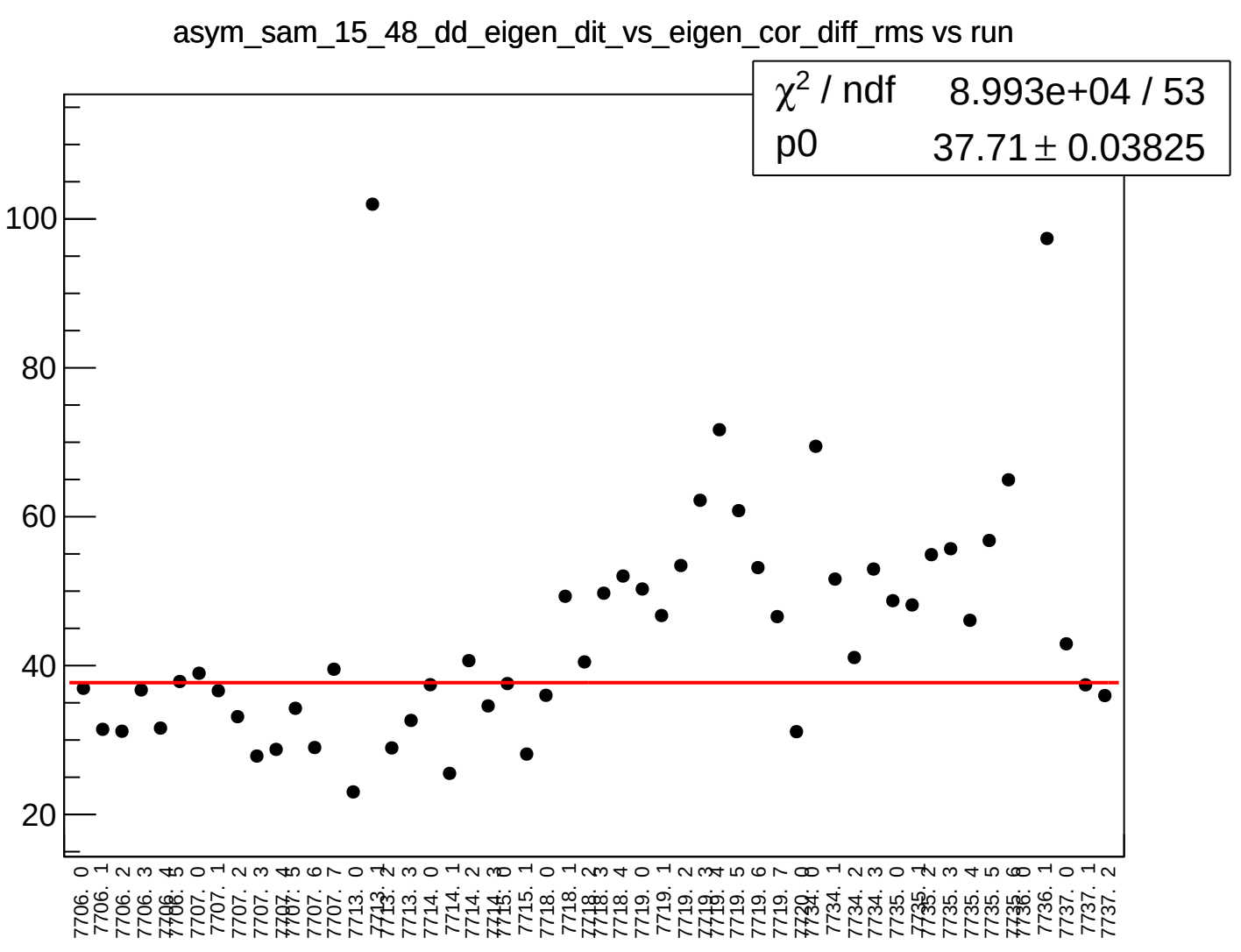

pull1D
Entries 54
Mean −0.009555
Std Dev 0.9051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

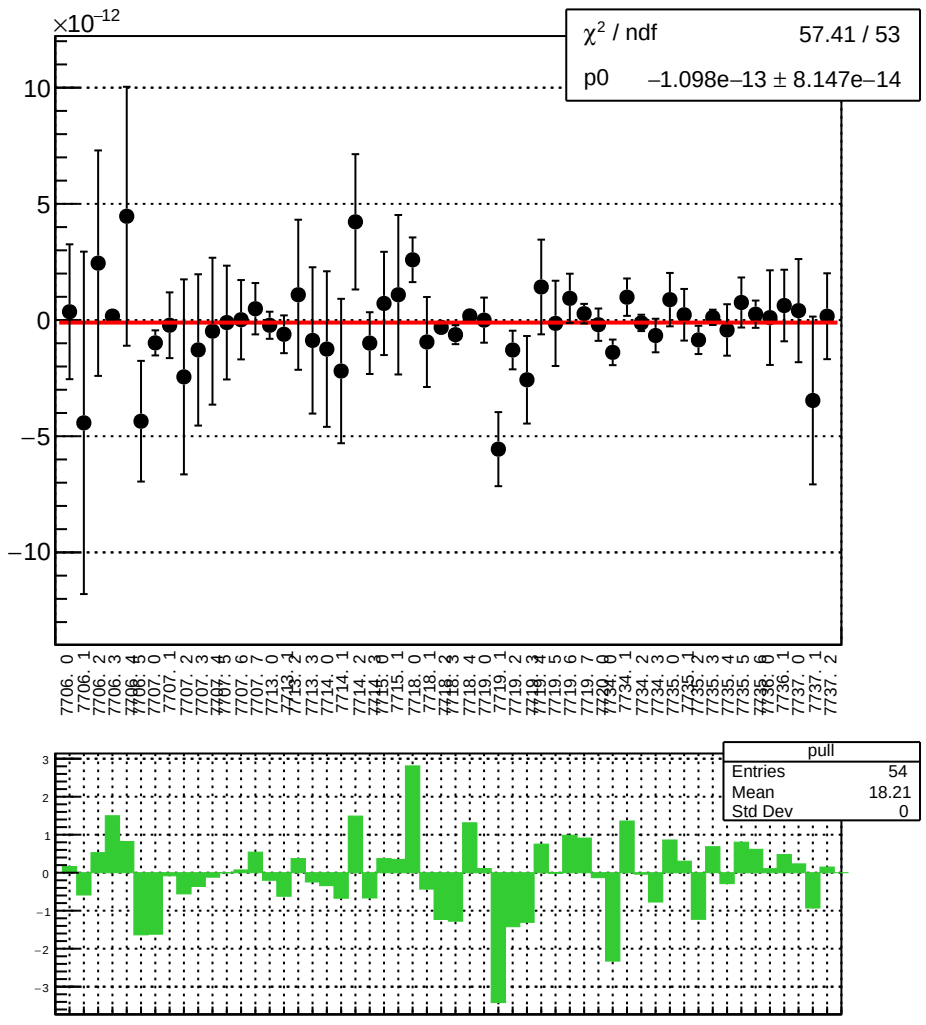

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.297e+05 / 53
p0 0.003027 ± 3.135e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

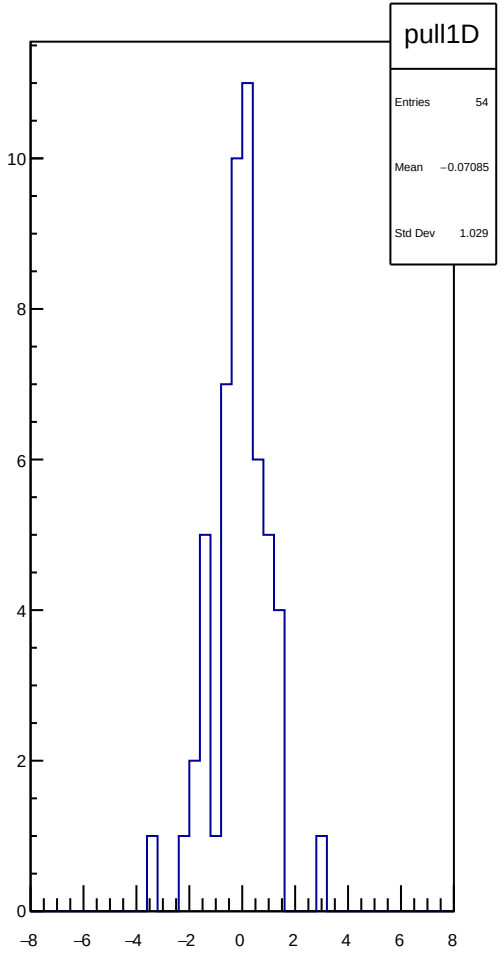

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.51 / 53
p0 −0.01849 ± 0.05409
pull
Entries 54
Mean 387.2
Std Dev 0
pull1D
Entries 54
Mean 0.009489
Std Dev 0.9671

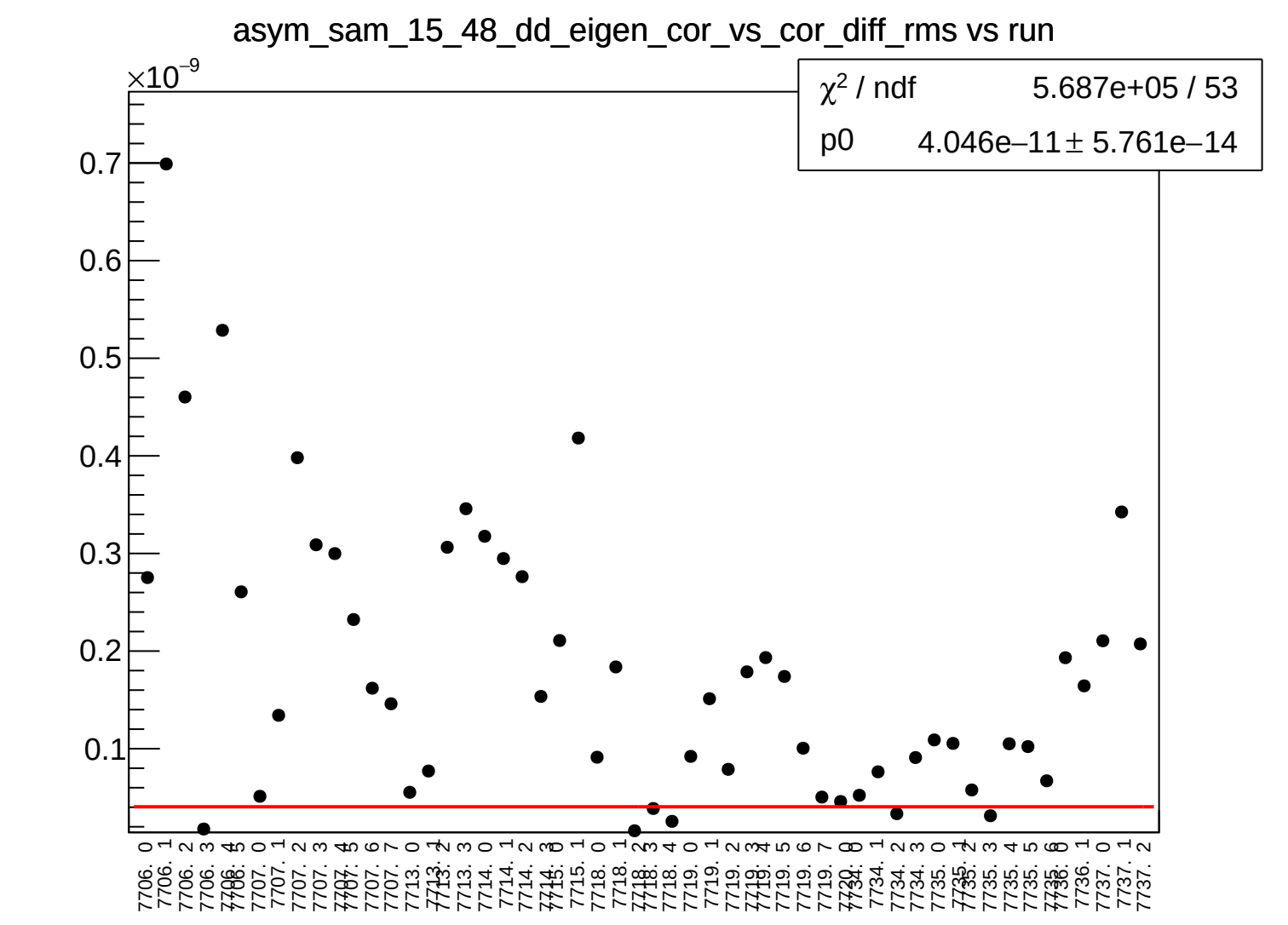

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.993e+04 / 53
p0 37.71 ± 0.03825
100
80
60
40
20

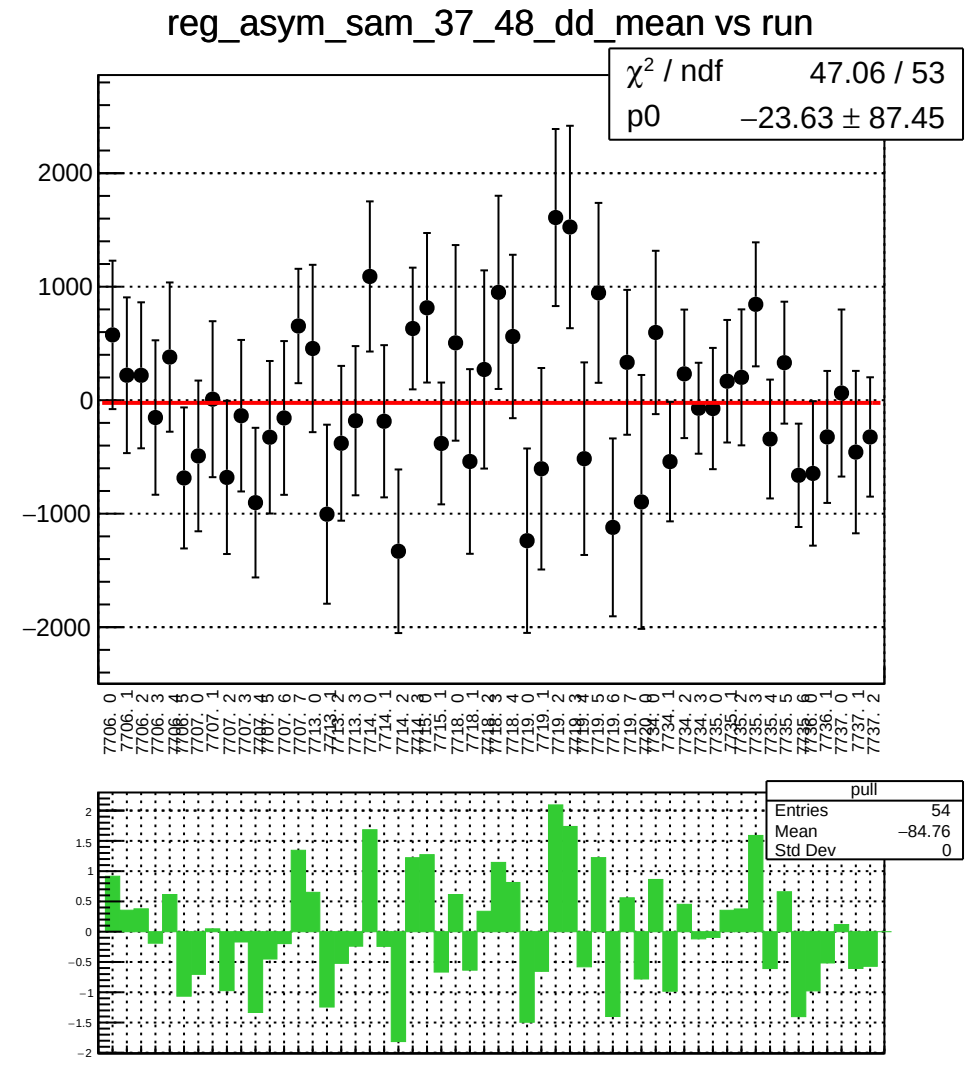

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.51 / 53
p0 −0.01849 ± 0.05409
pull
Entries 54
Mean 387.2
Std Dev 0
pull1D
Entries 54
Mean 0.009489
Std Dev 0.9671

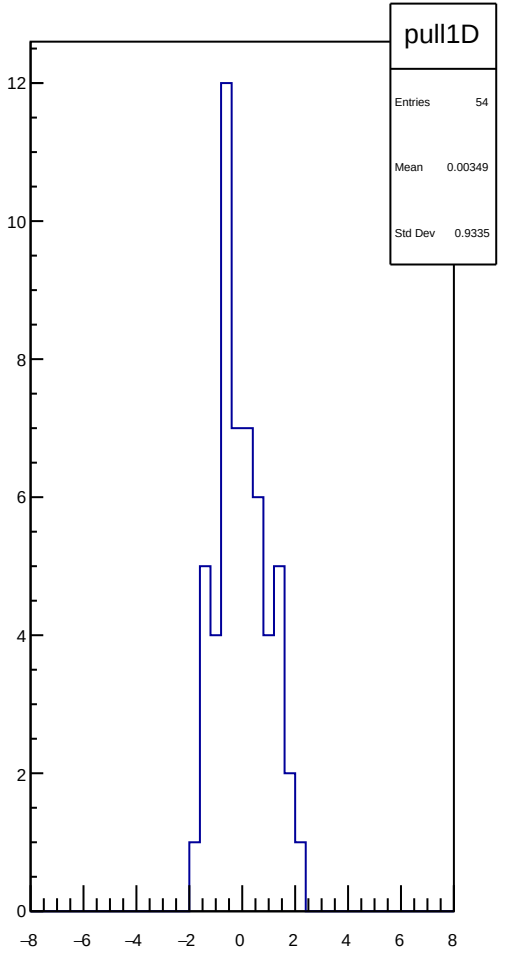

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.993e+04 / 53
p0 37.71 ± 0.03825
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

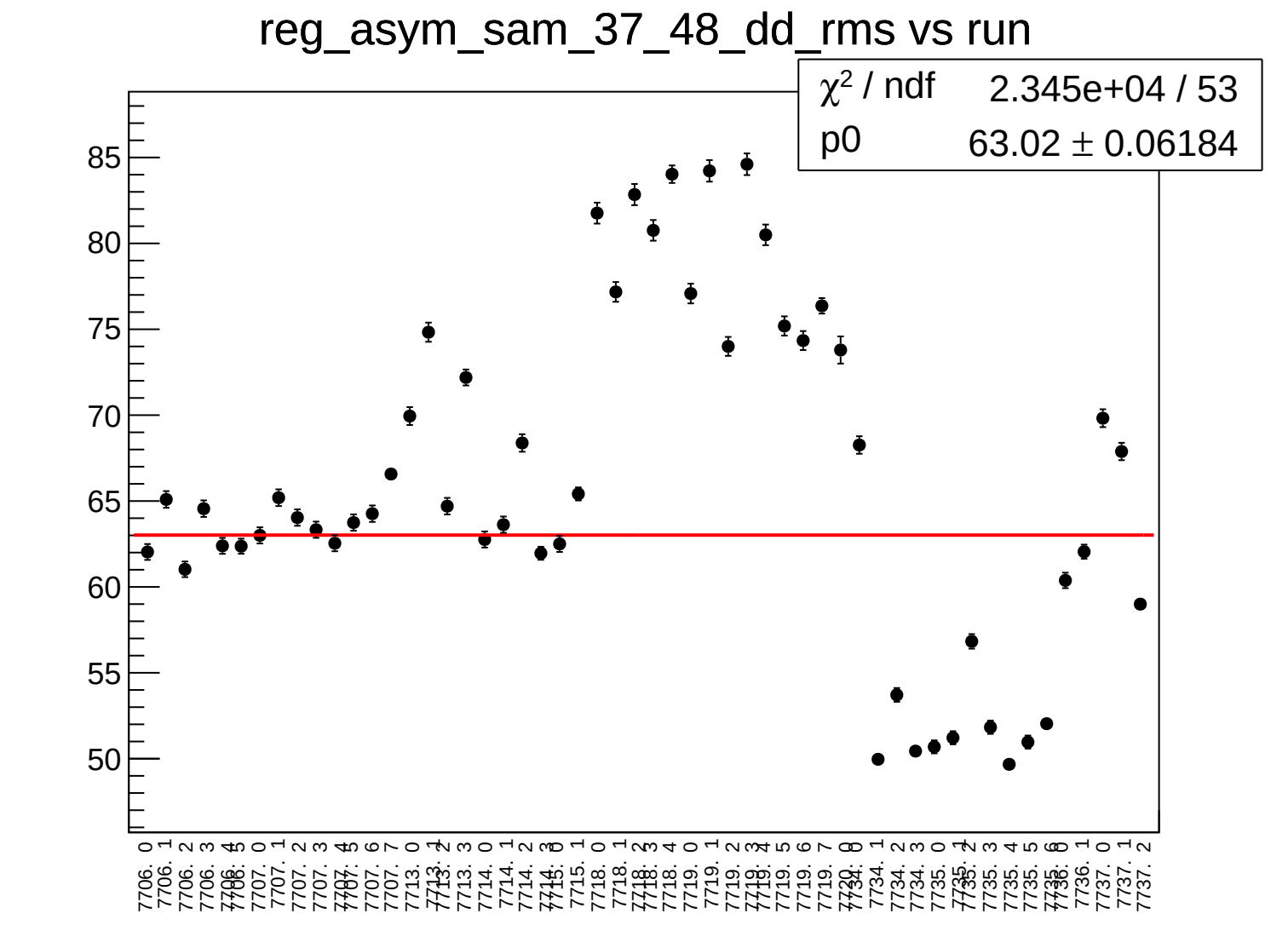

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.41 / 53
p0 −1.098e−13 ± 8.147e−14
pull
Entries 54
Mean 18.21
Std Dev 0

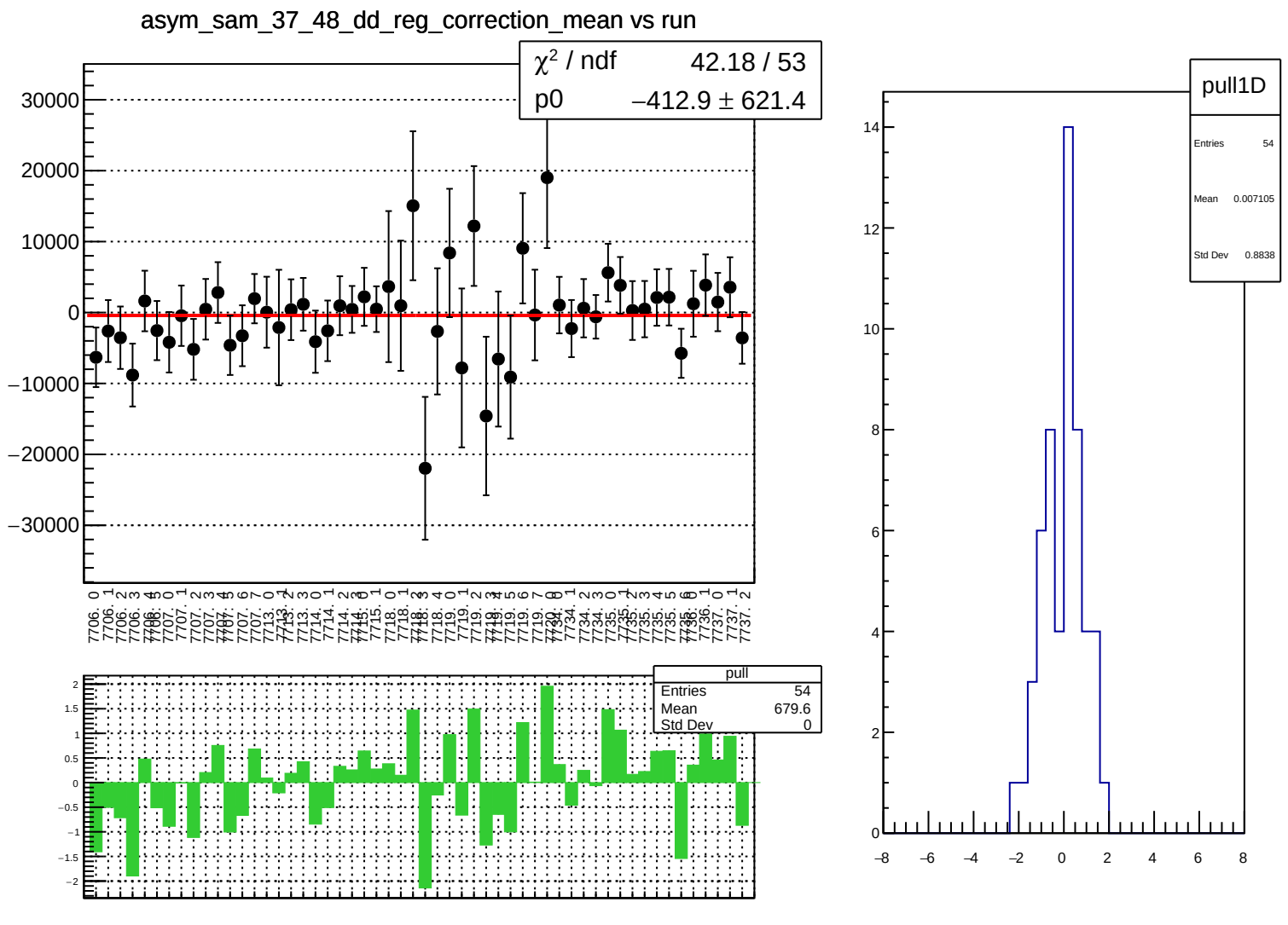

pull1D
Entries 54
Mean −0.07085
Std Dev 1.029

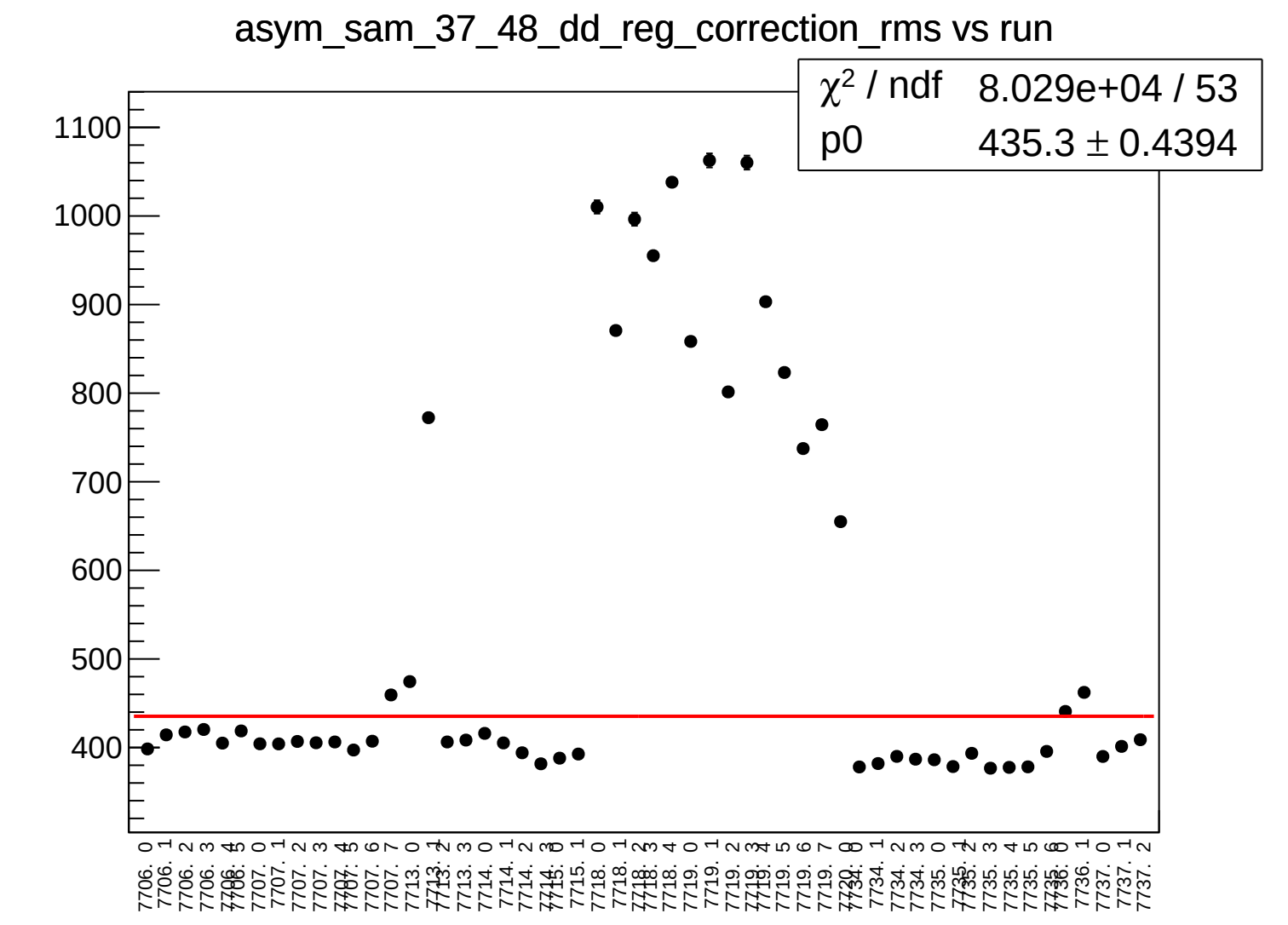

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.687e+05 / 53
p0 4.046e−11 ± 5.761e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

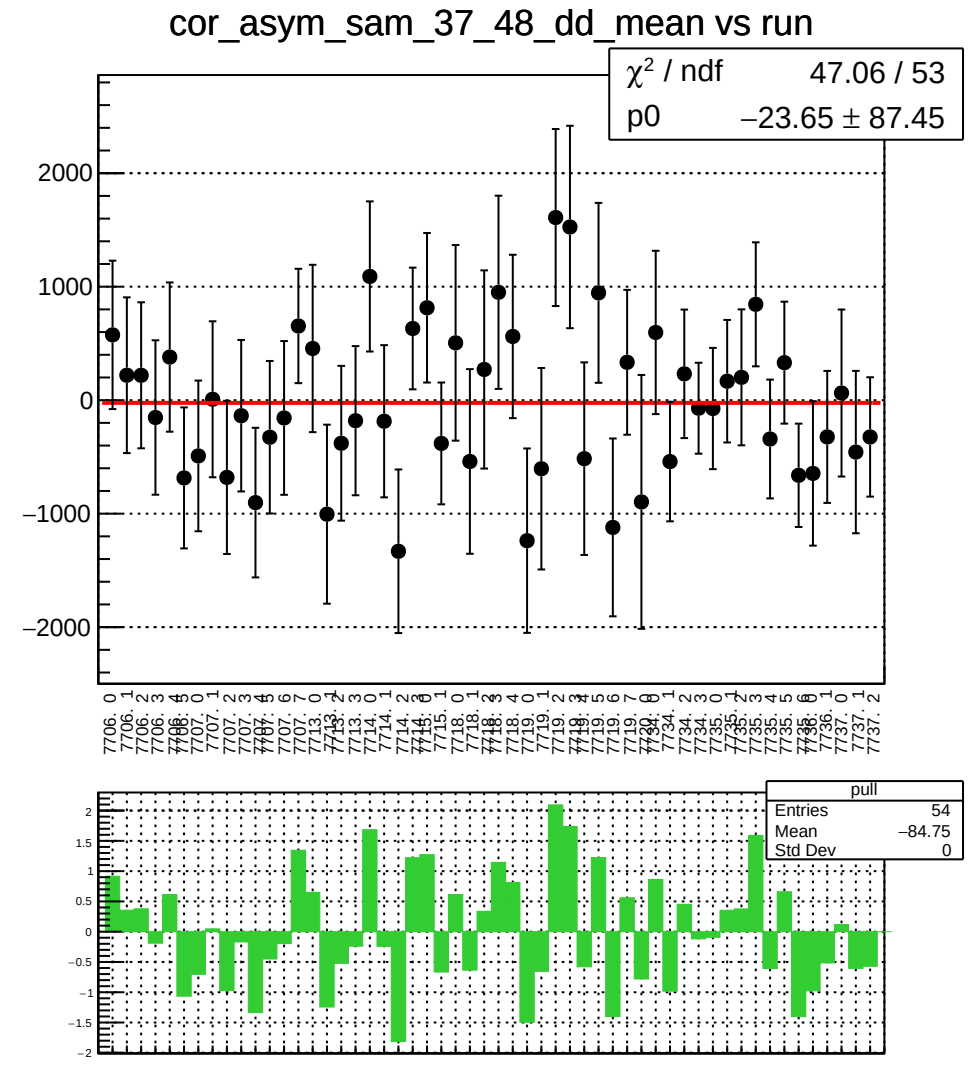

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 47.06 / 53
p0 −23.63 ± 87.45
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −84.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

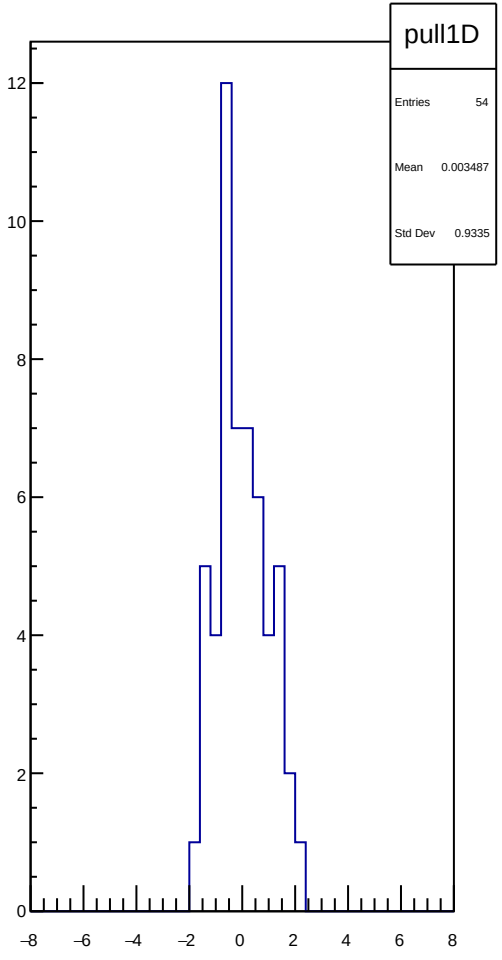

pull1D
Entries 54
Mean 0.00349
Std Dev 0.9335
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

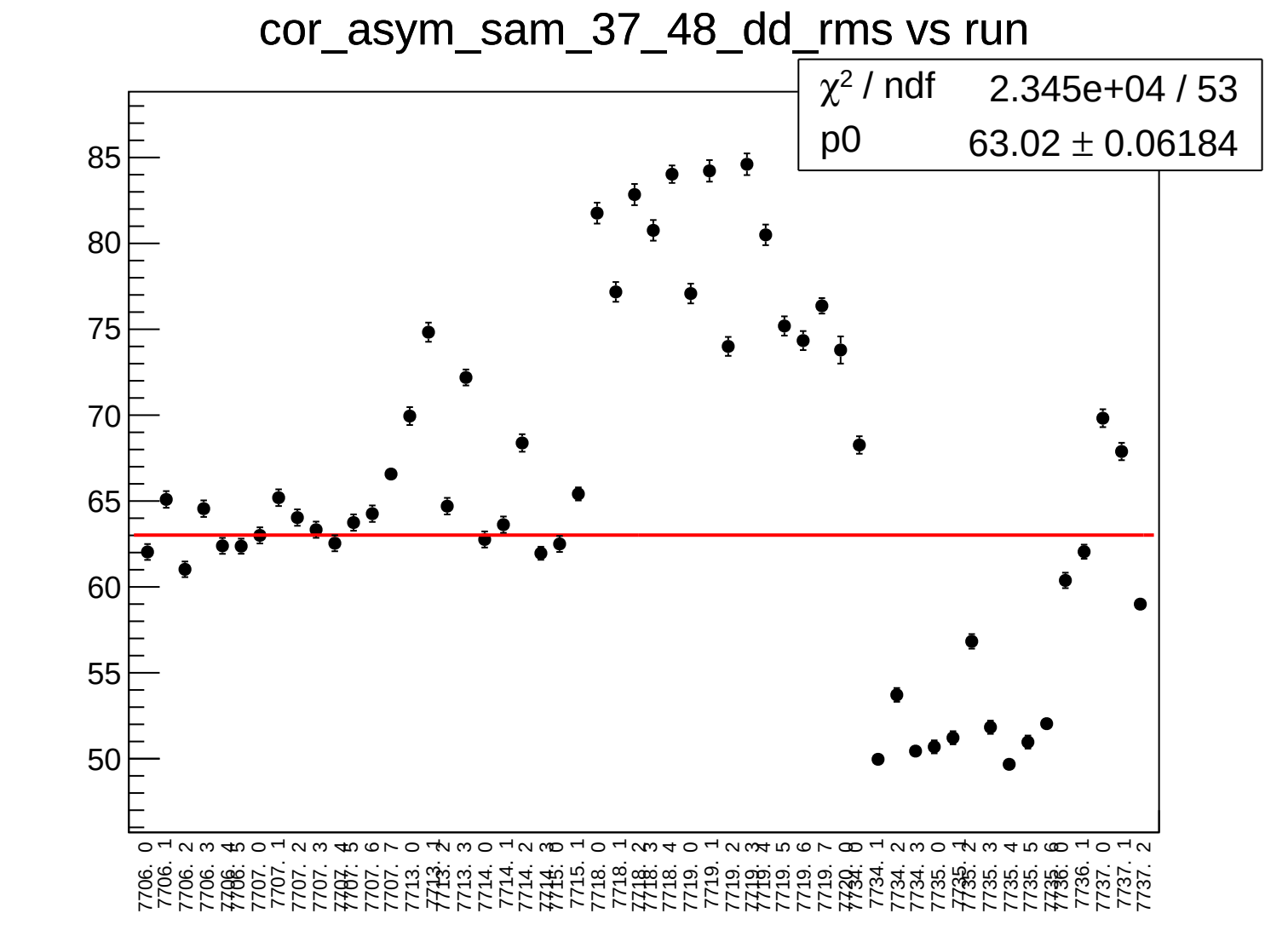

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.345e+04 / 53
p0 63.02 ± 0.06184
85
80
75
70
65
60
55
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

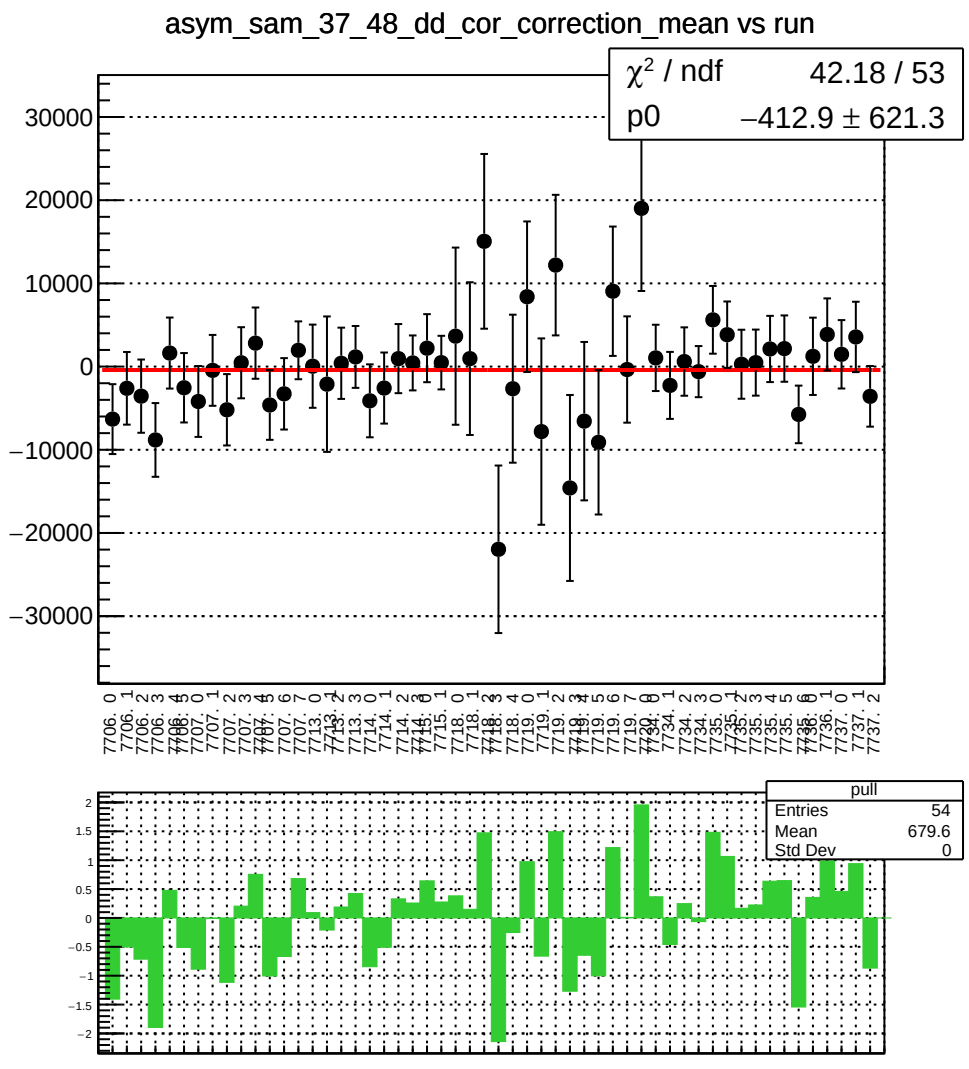

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 42.18 / 53
p0 −412.9 ± 621.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 679.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.007105
Std Dev 0.8838
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

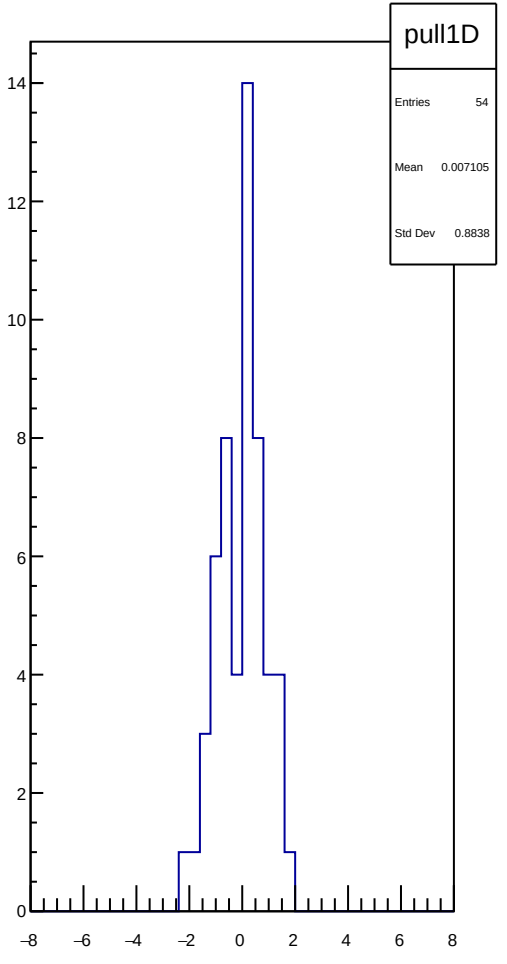

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 8.029e+04 / 53
p0 435.3 ± 0.4394
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

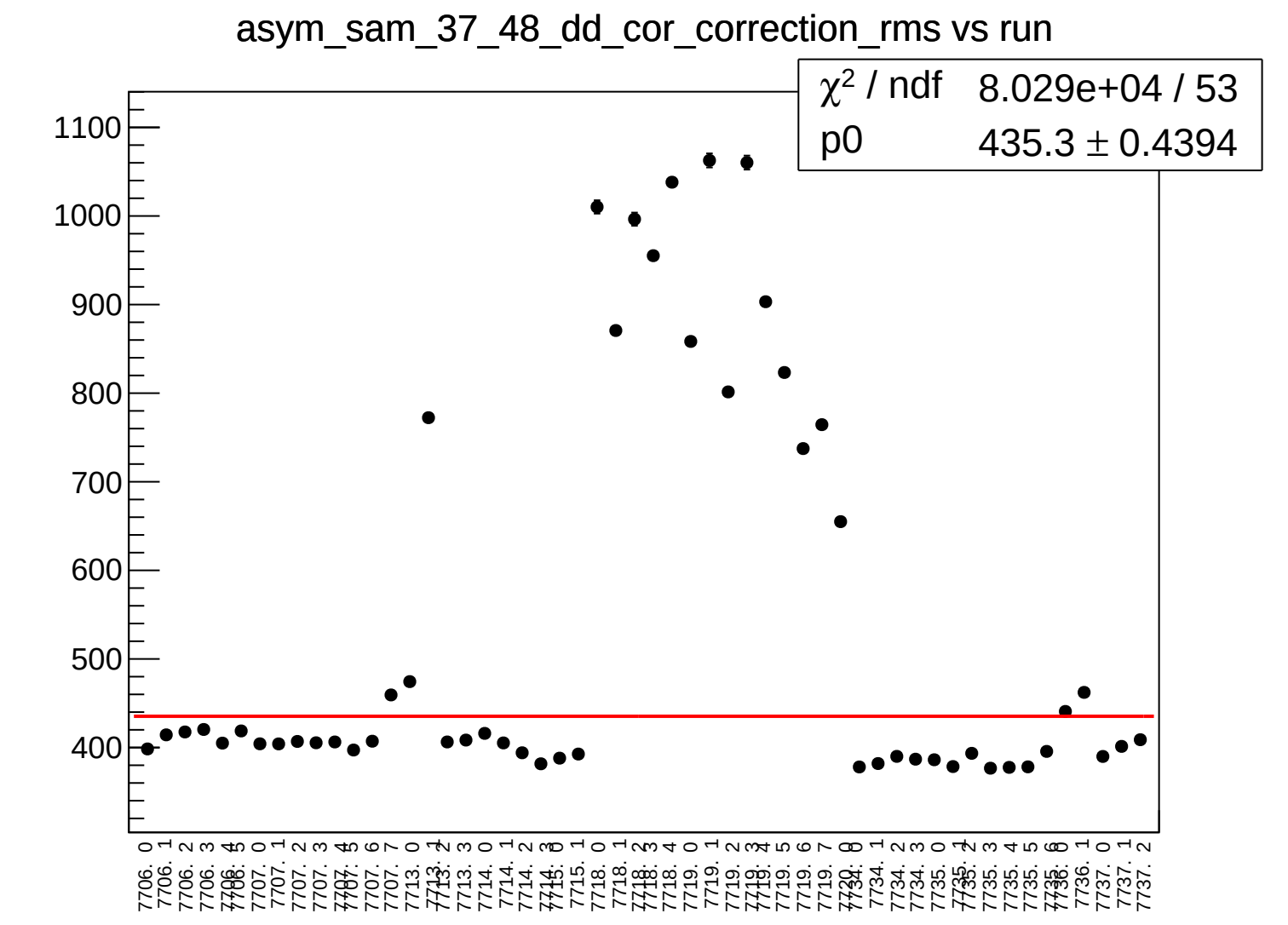

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 47.06 / 53
p0 −23.65 ± 87.45
pull
Entries 54
Mean −84.75
Std Dev 0

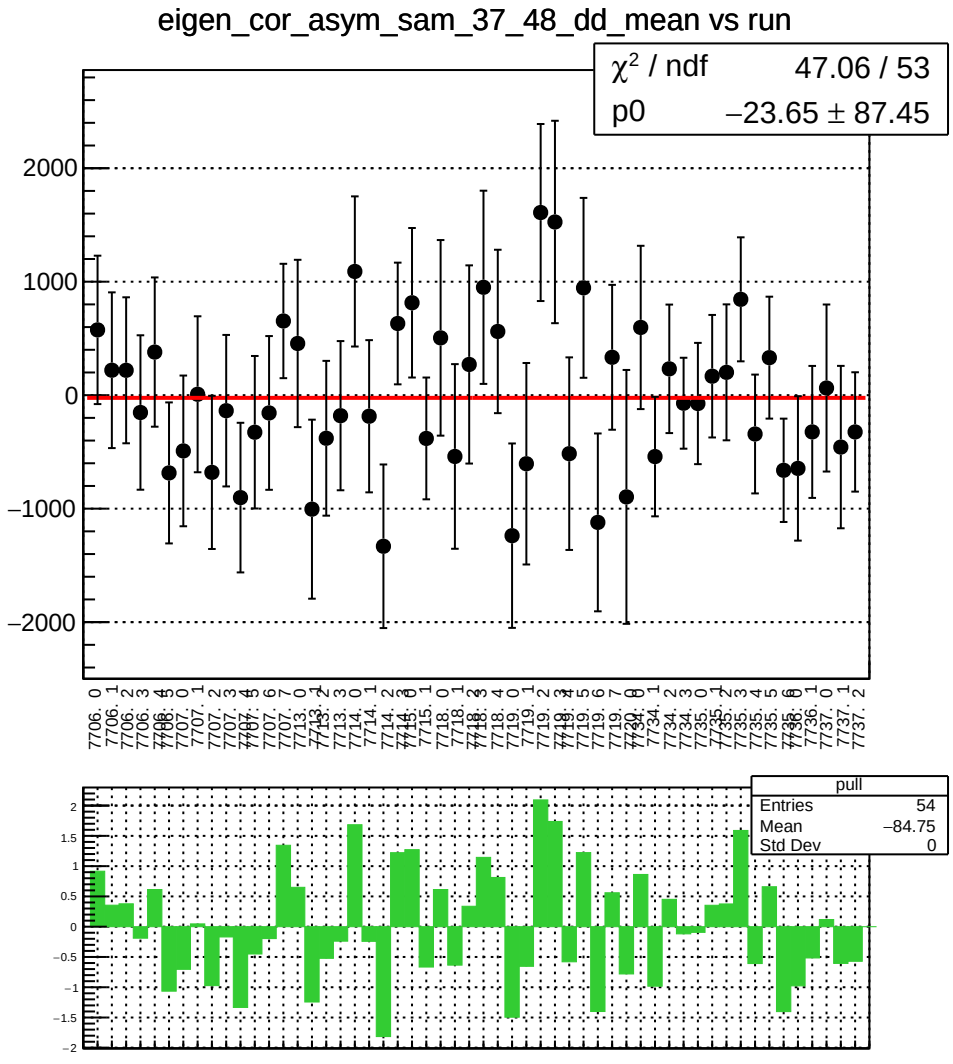

pull1D
Entries 54
Mean 0.003487
Std Dev 0.9335

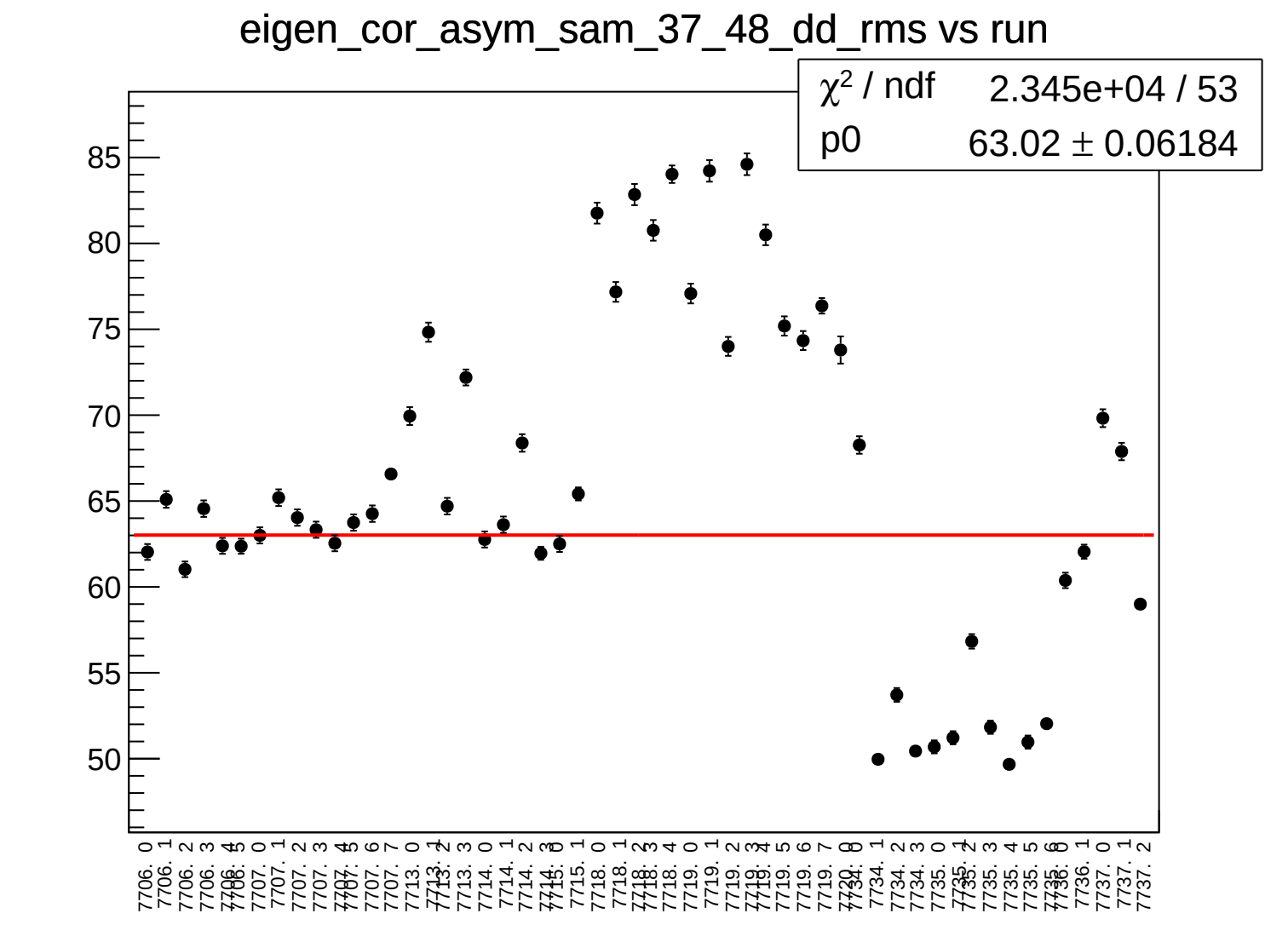

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.345e+04 / 53
p0 63.02 ± 0.06184
85
80
75
70
65
60
55
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

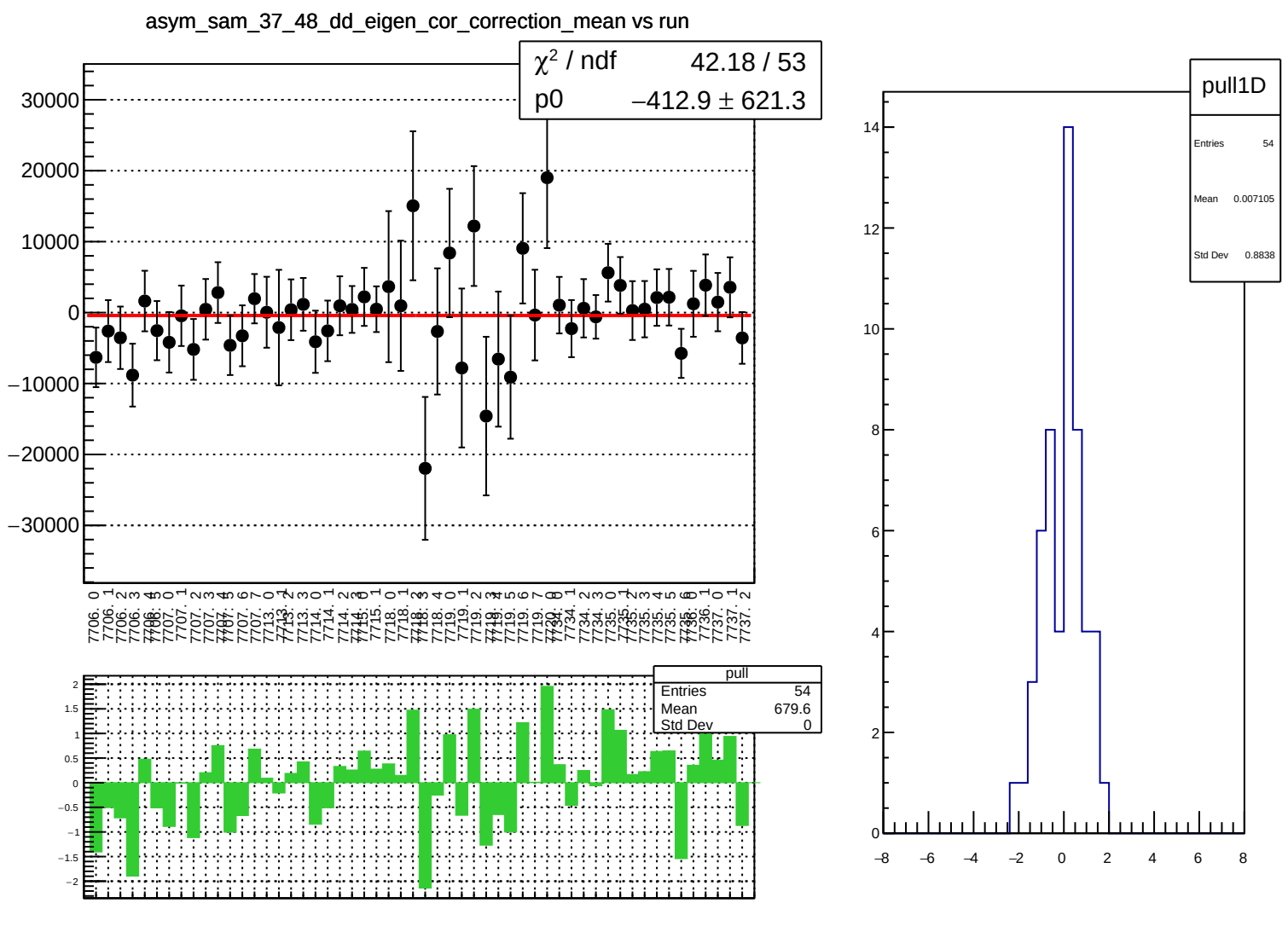

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 42.18 / 53
p0 −412.9 ± 621.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 679.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

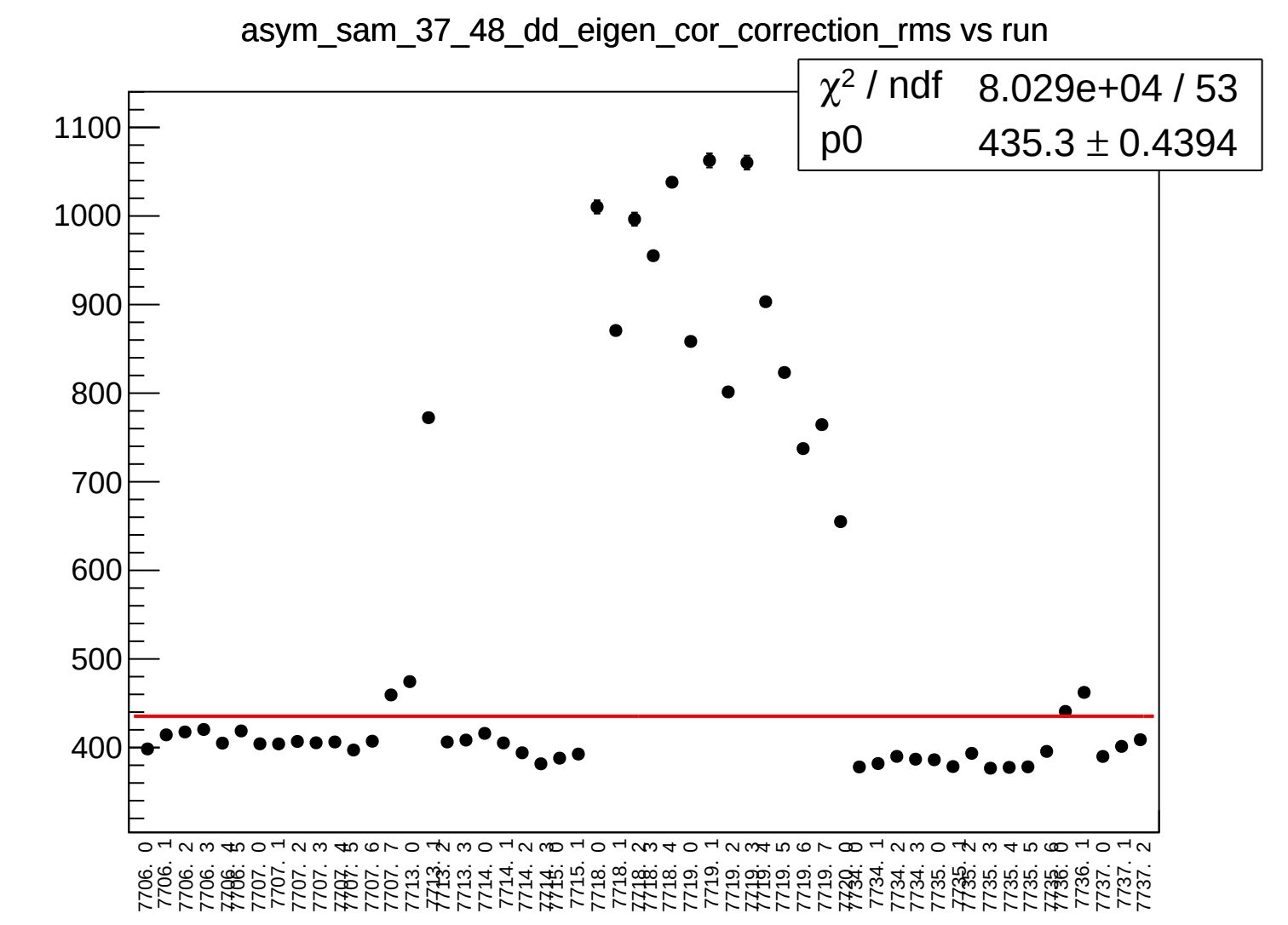

pull1D
Entries 54
Mean 0.007105
Std Dev 0.8838
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

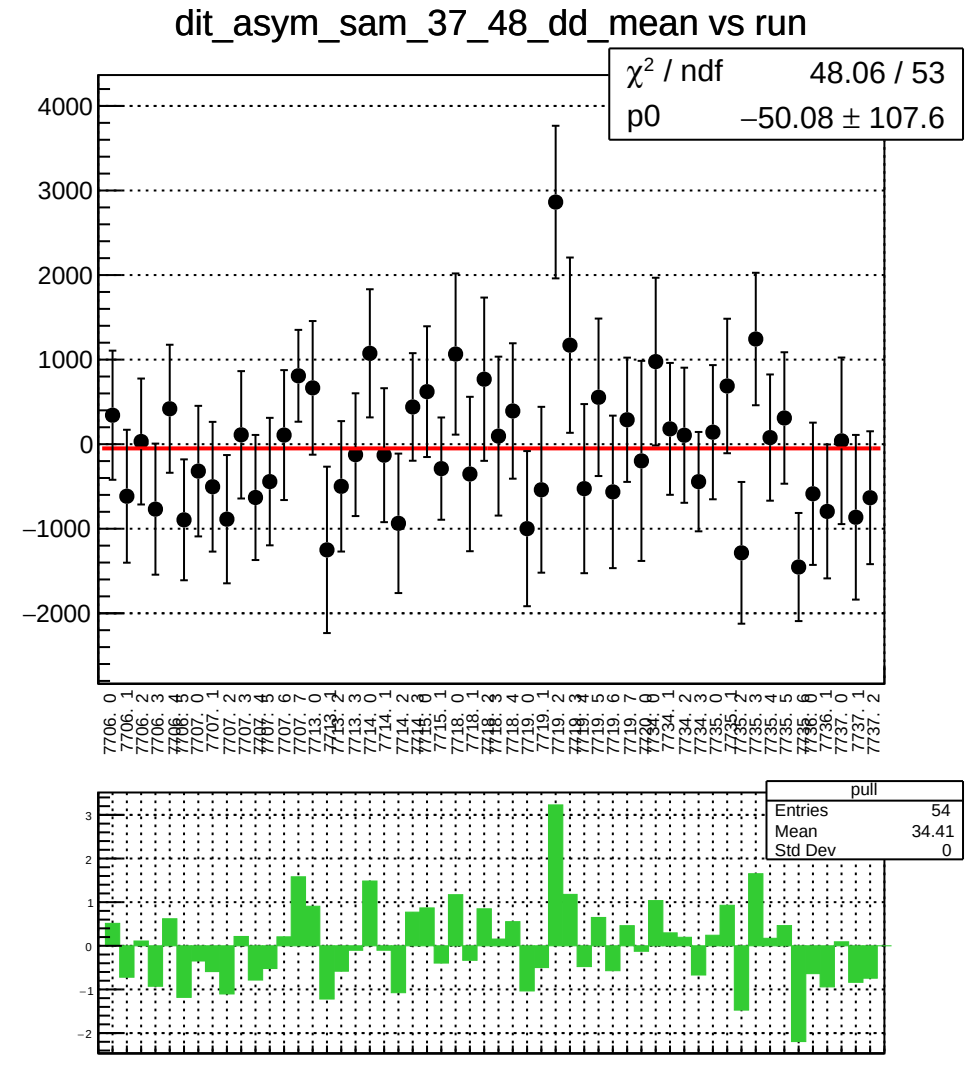

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 8.029e+04 / 53
p0 435.3 ± 0.4394
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

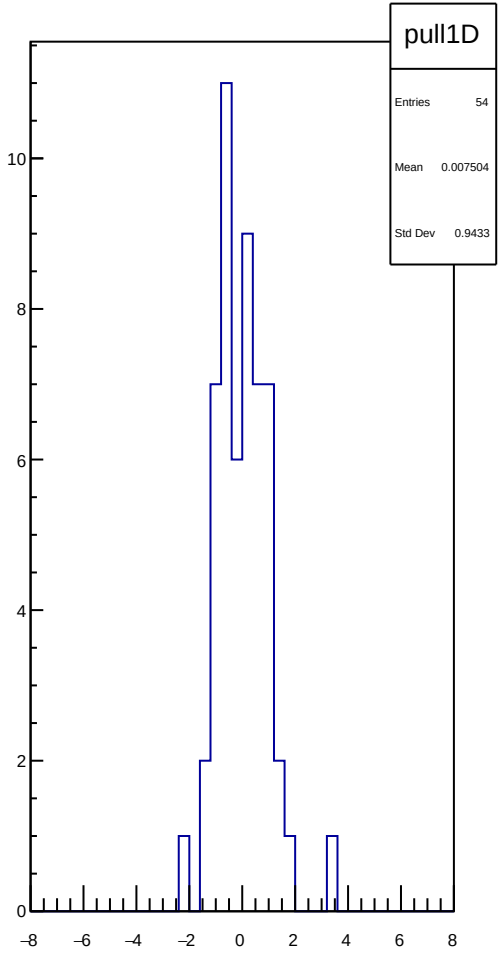

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 47.06 / 53
p0 −23.65 ± 87.45
pull
Entries 54
Mean −84.75
Std Dev 0
pull1D
Entries 54
Mean 0.003487
Std Dev 0.9335

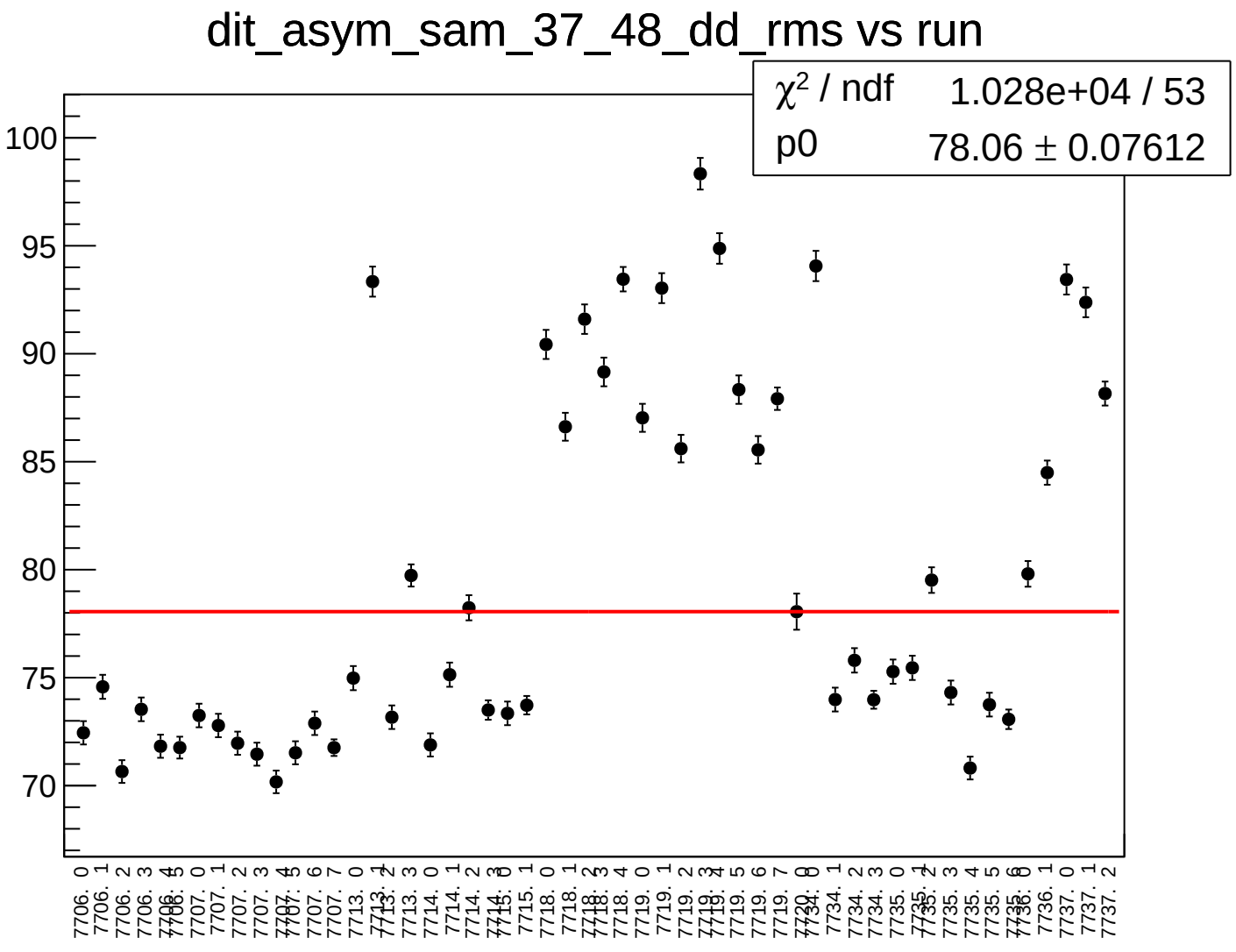

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.345e+04 / 53
p0 63.02 ± 0.06184
85
80
75
70
65
60
55
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

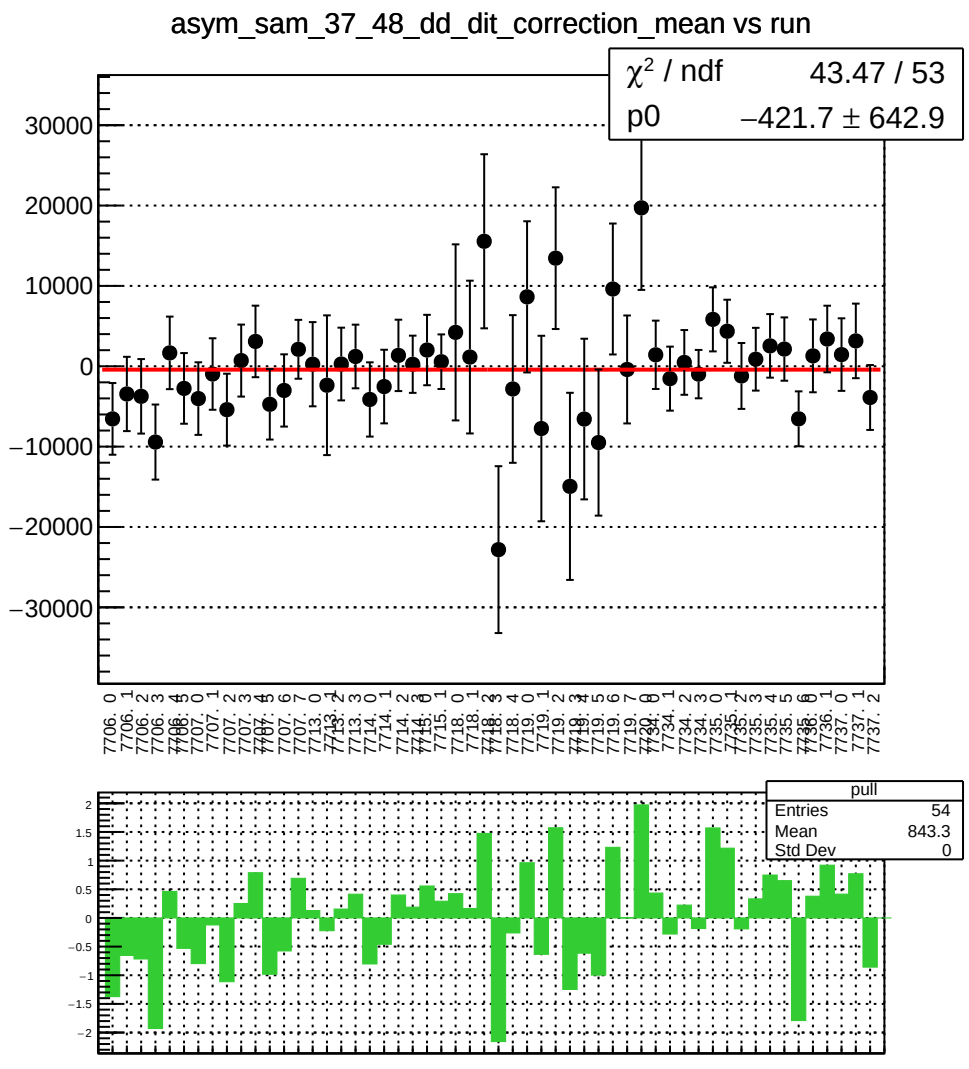

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.18 / 53
p0 −412.9 ± 621.3
pull
Entries 54
Mean 679.6
Std Dev 0
pull1D
Entries 54
Mean 0.007105
Std Dev 0.8838

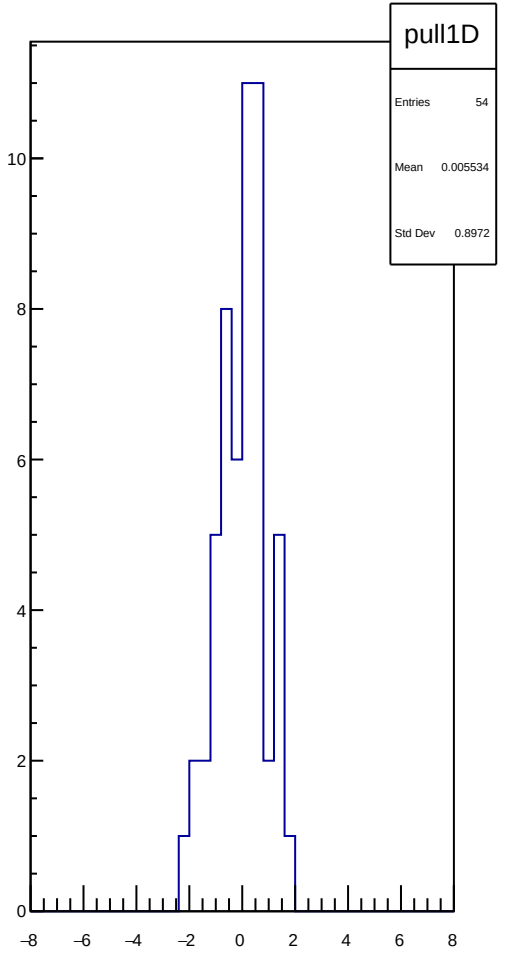

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 8.029e+04 / 53
p0 435.3 ± 0.4394
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

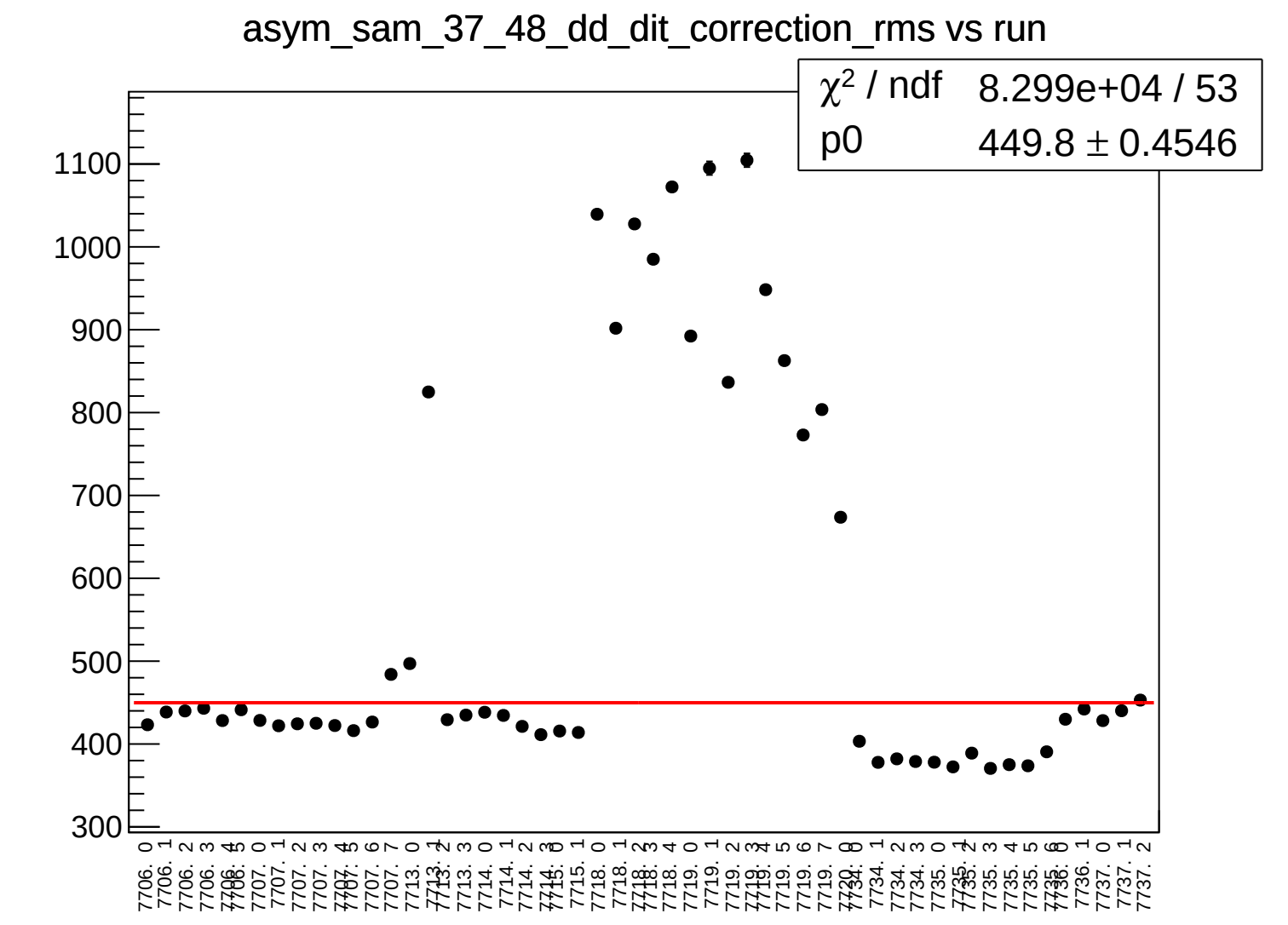

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 48.06 / 53
p0 −50.08 ± 107.6
pull
Entries 54
Mean 34.41
Std Dev 0

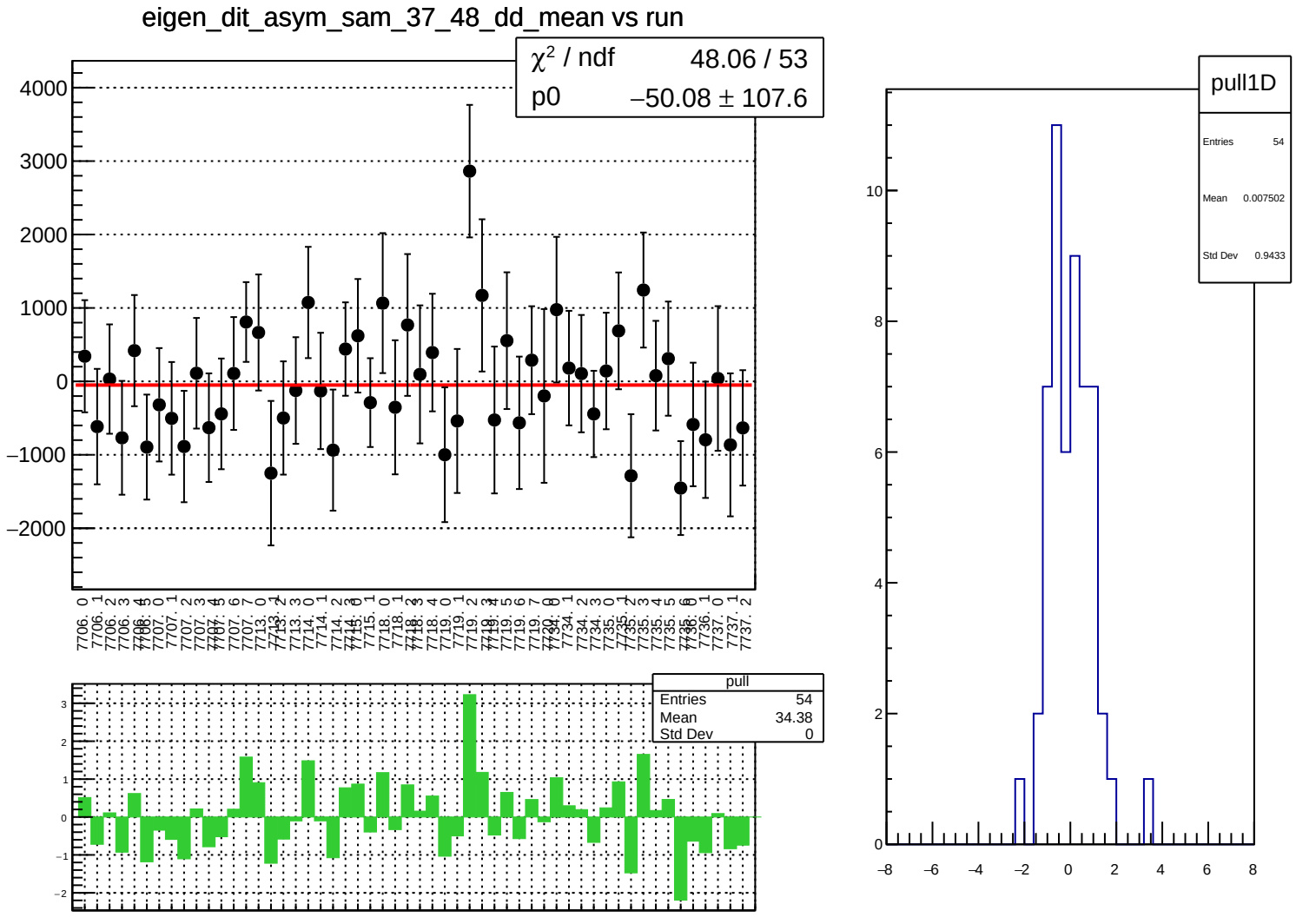

pull1D
Entries 54
Mean 0.007504
Std Dev 0.9433

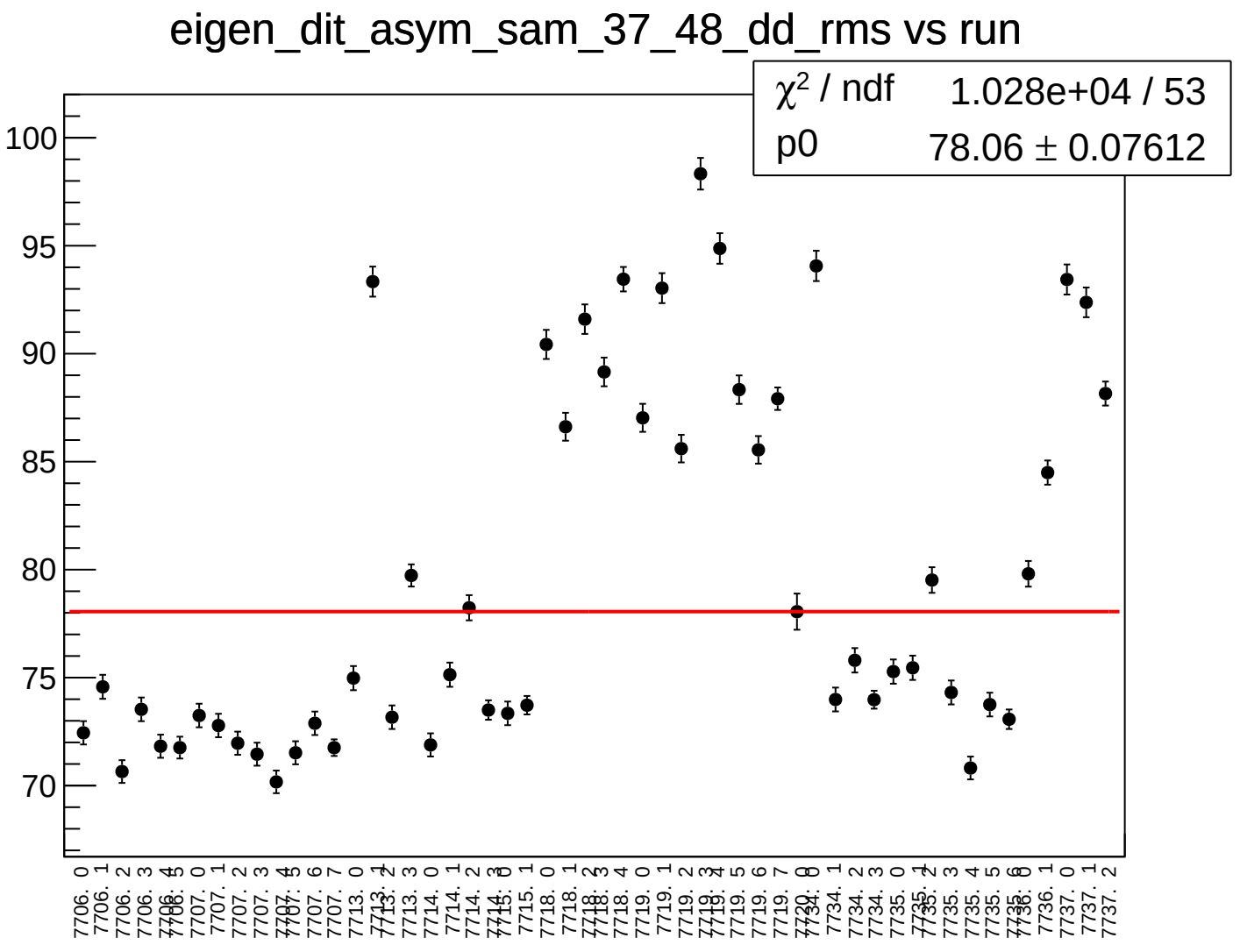

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.028e+04 / 53
p0 78.06 ± 0.07612
100
95
90
85
80
75
70

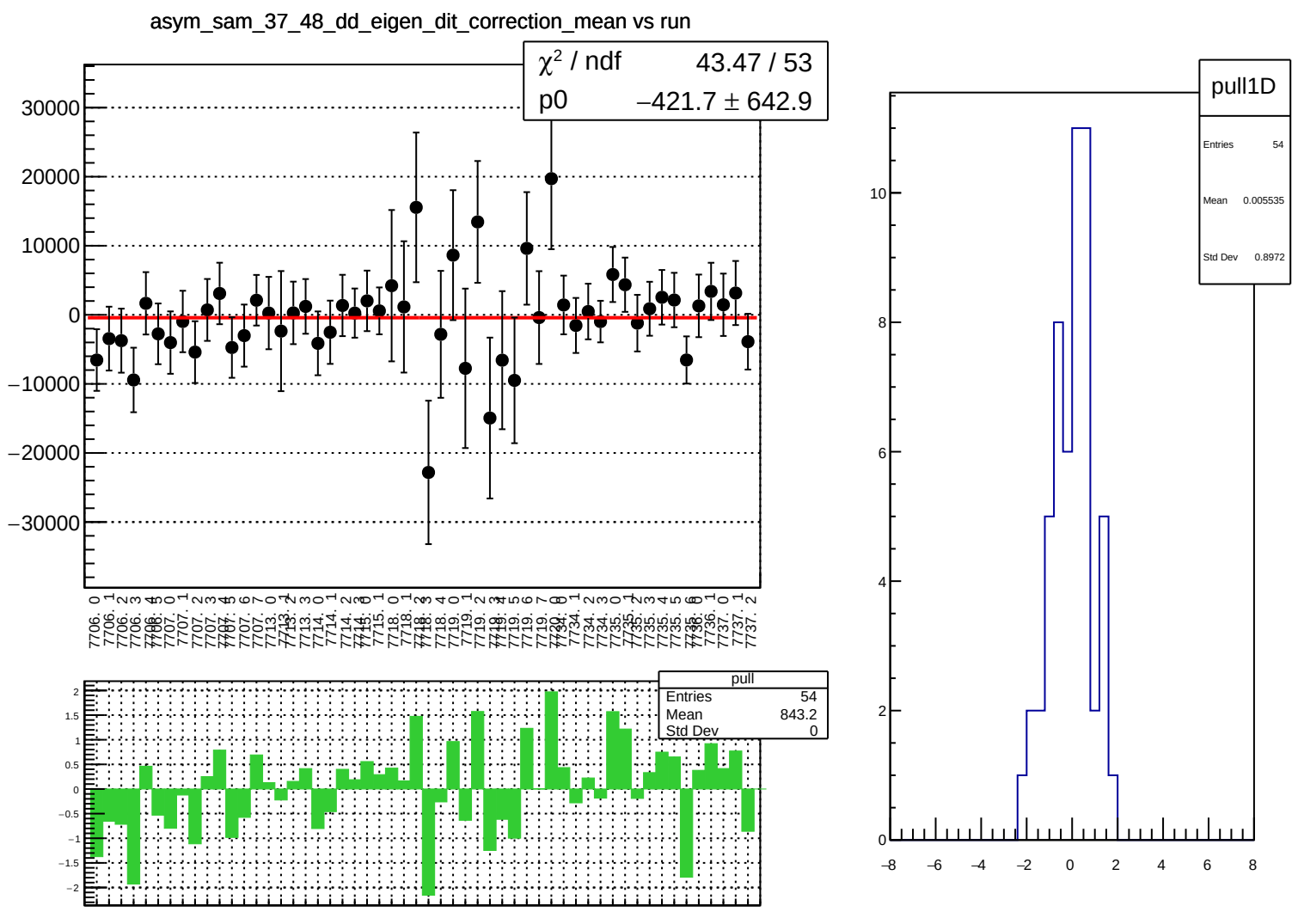

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 43.47 / 53
p0 −421.7 ± 642.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 843.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

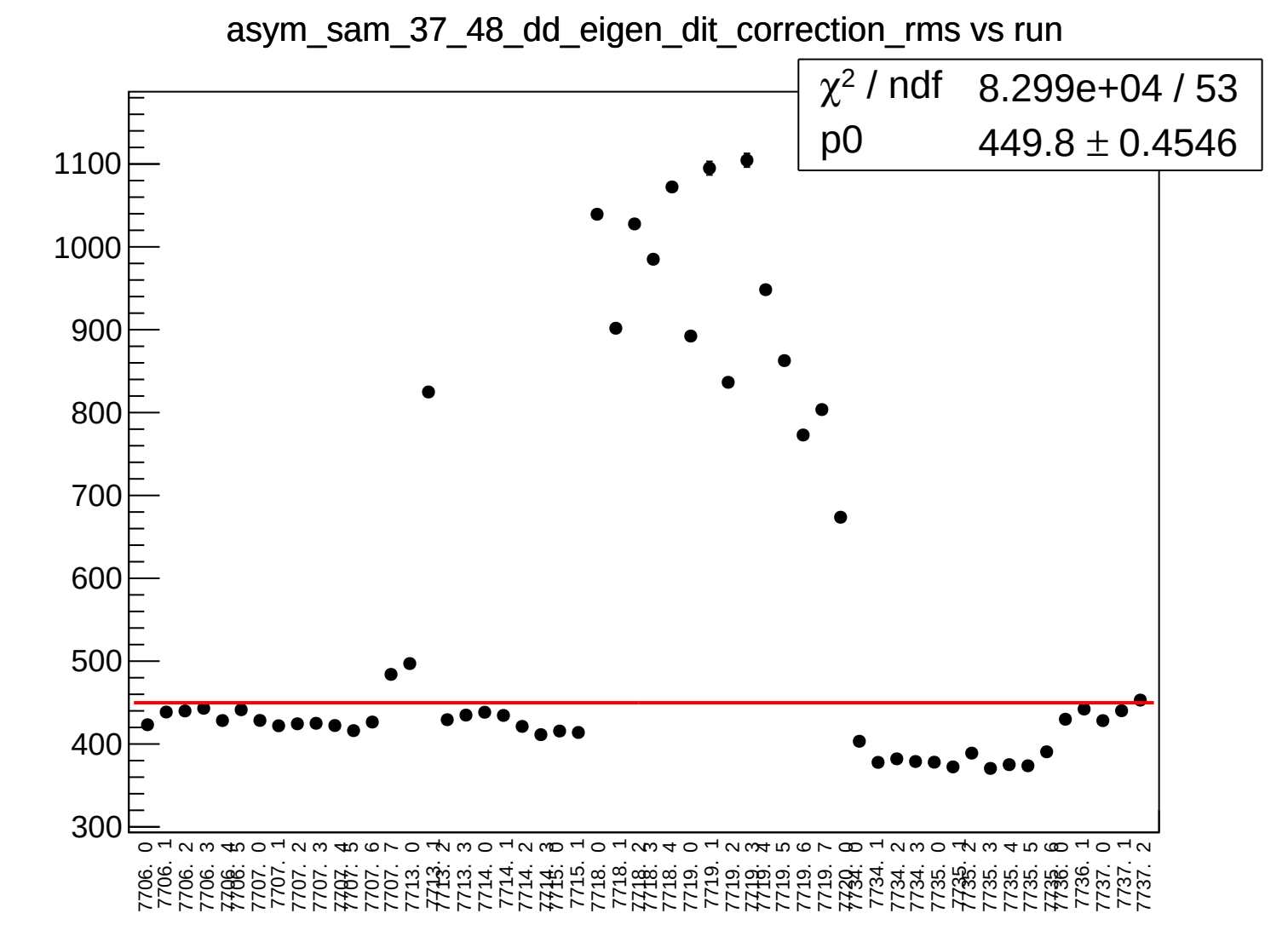

pull1D
Entries 54
Mean 0.005534
Std Dev 0.8972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

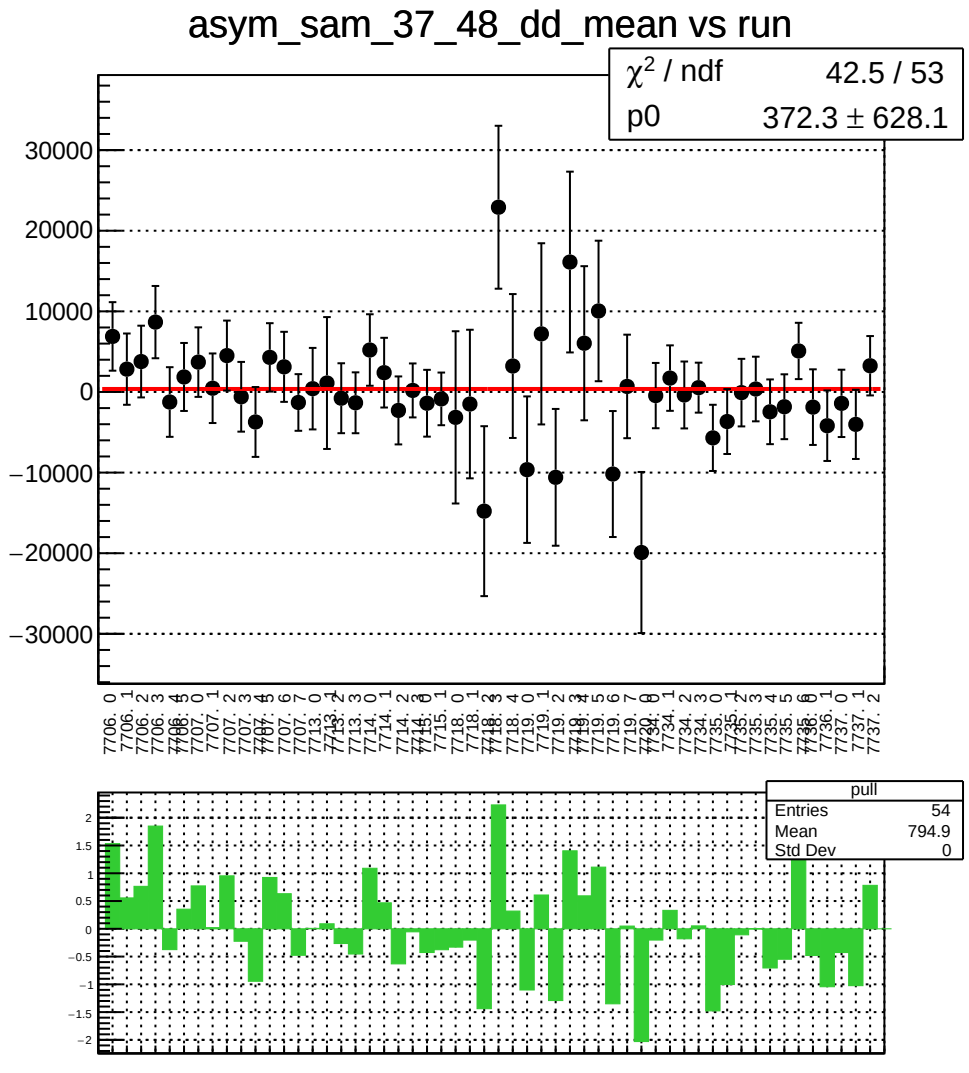

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 8.299e+04 / 53
p0 449.8 ± 0.4546
1100
1000
900
800
700
600
500
400
300

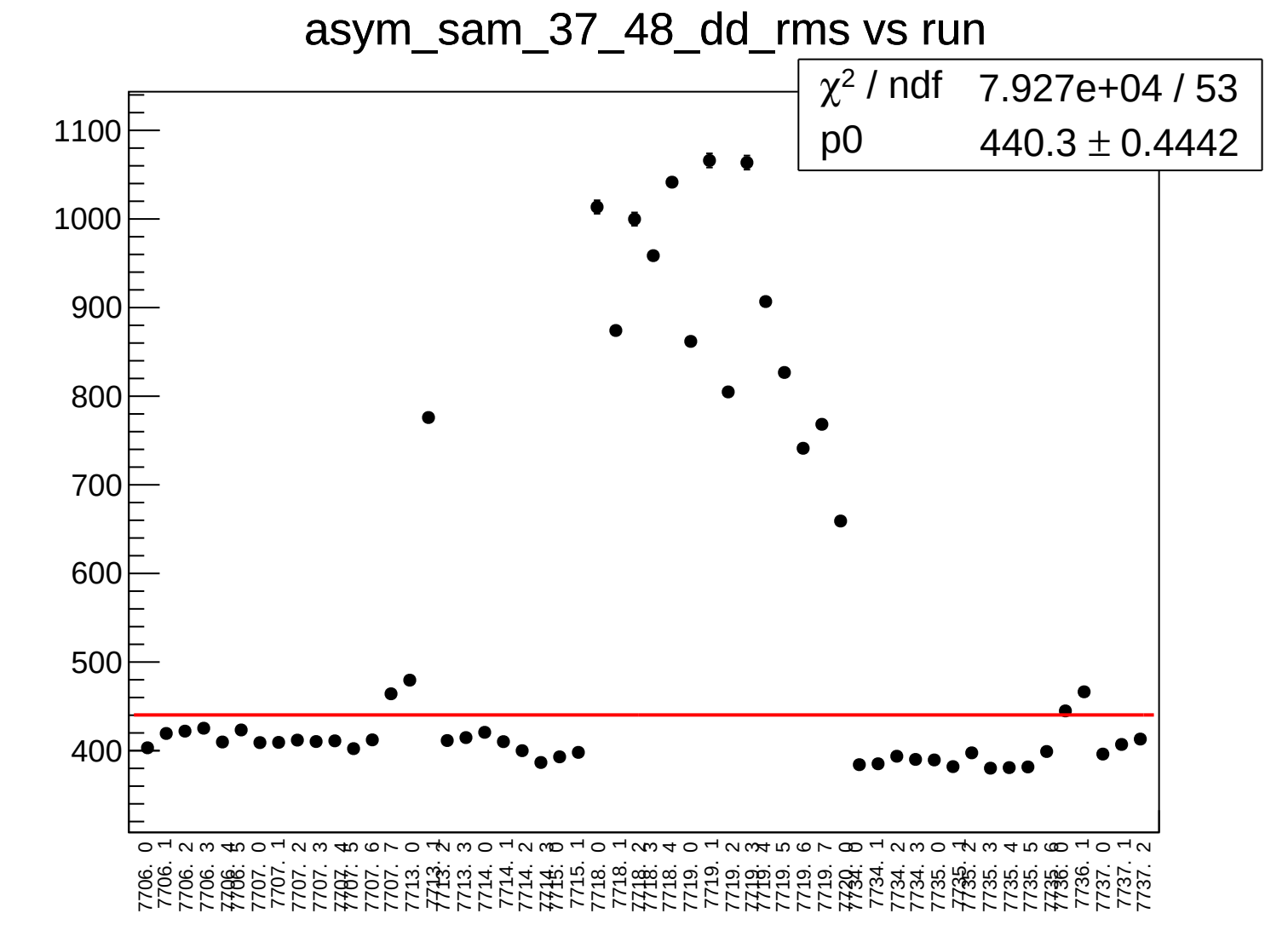

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 48.06 / 53
p0 −50.08 ± 107.6
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 34.38
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.007502
Std Dev 0.9433
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

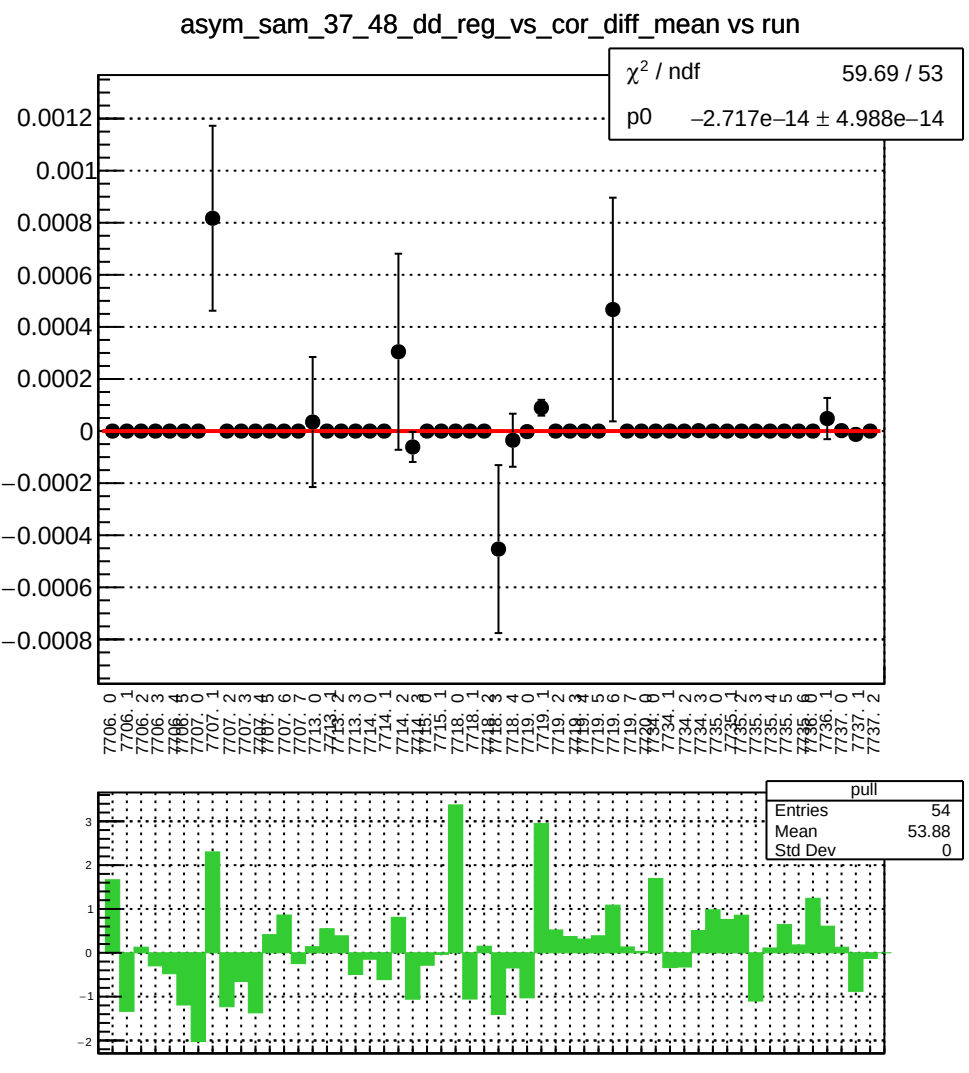

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.028e+04 / 53
p0 78.06 ± 0.07612
100
95
90
85
80
75
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

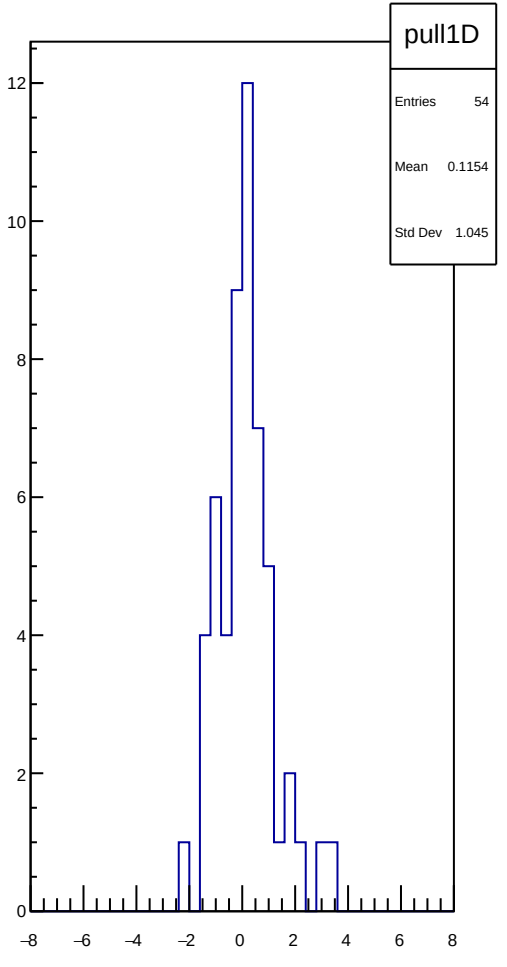

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.47 / 53
p0 −421.7 ± 642.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 843.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.005535
Std Dev 0.8972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

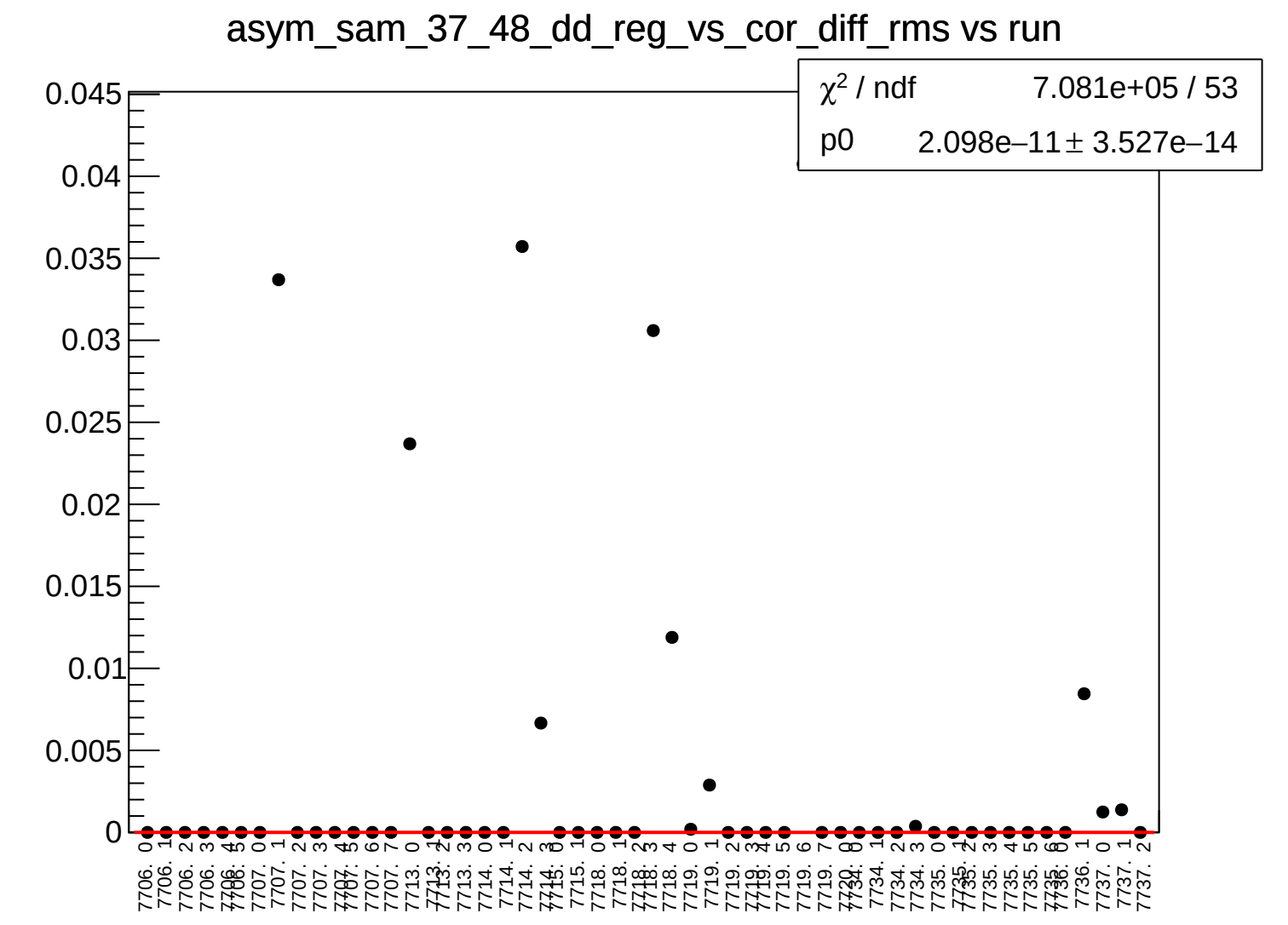

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 8.299e+04 / 53
p0 449.8 ± 0.4546
1100
1000
900
800
700
600
500
400
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

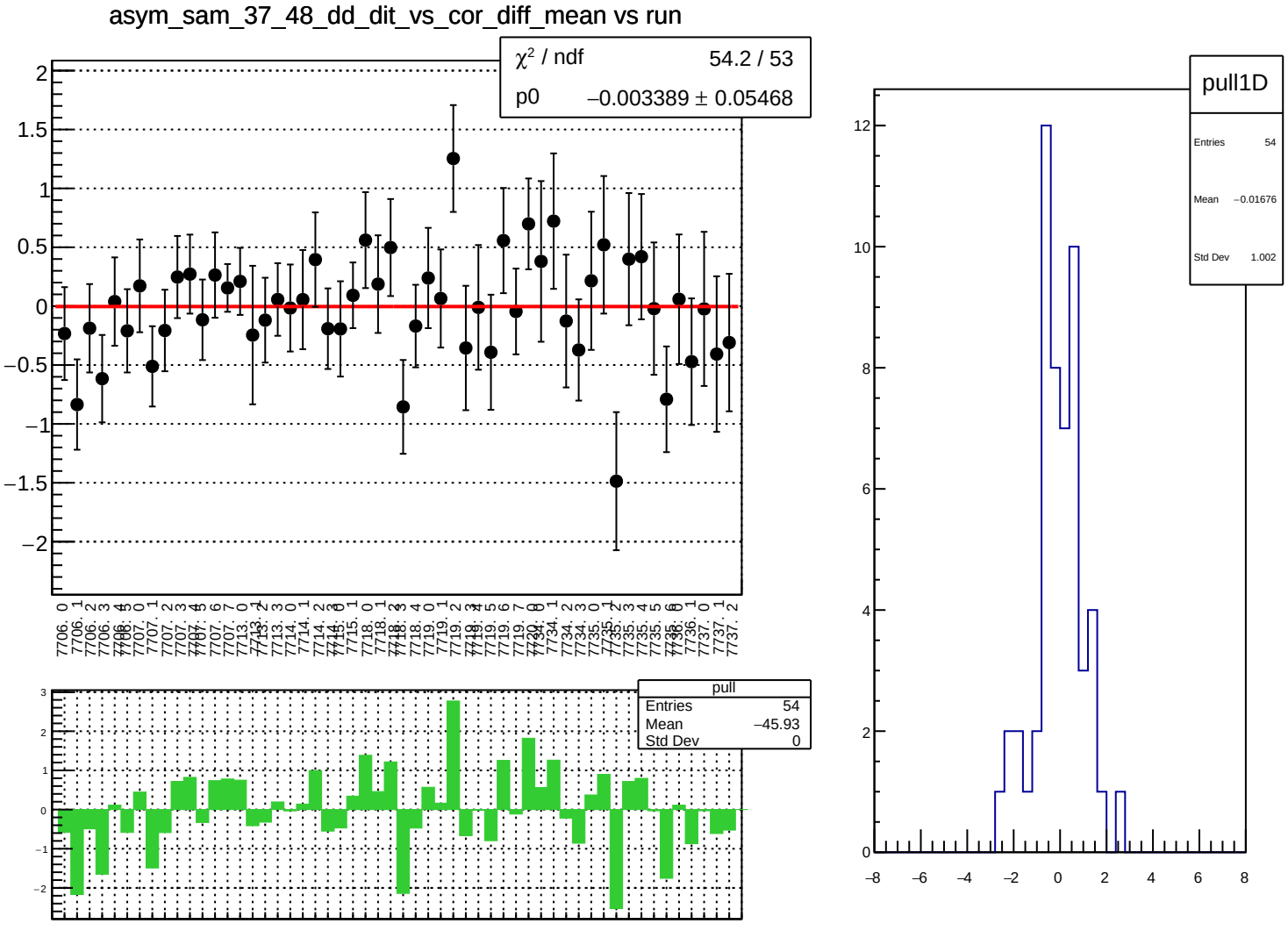

asym_sam_37_48_dd_mean vs run
χ² / ndf 42.5 / 53
p0 372.3 ± 628.1
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 6
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 794.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.006042
Std Dev 0.8871
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

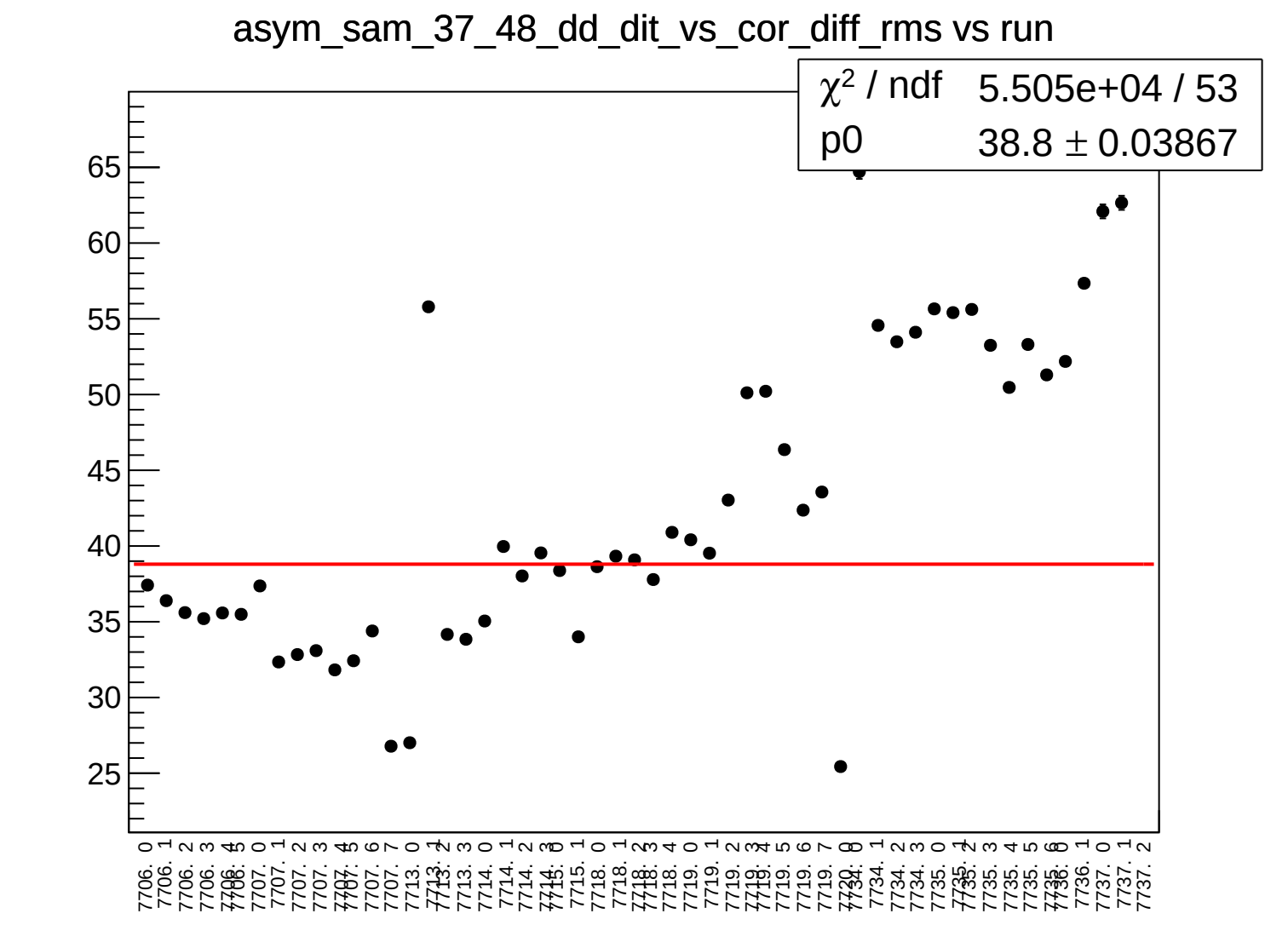

asym_sam_37_48_dd_rms vs run
χ² / ndf 7.927e+04 / 53
p0 440.3 ± 0.4442
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

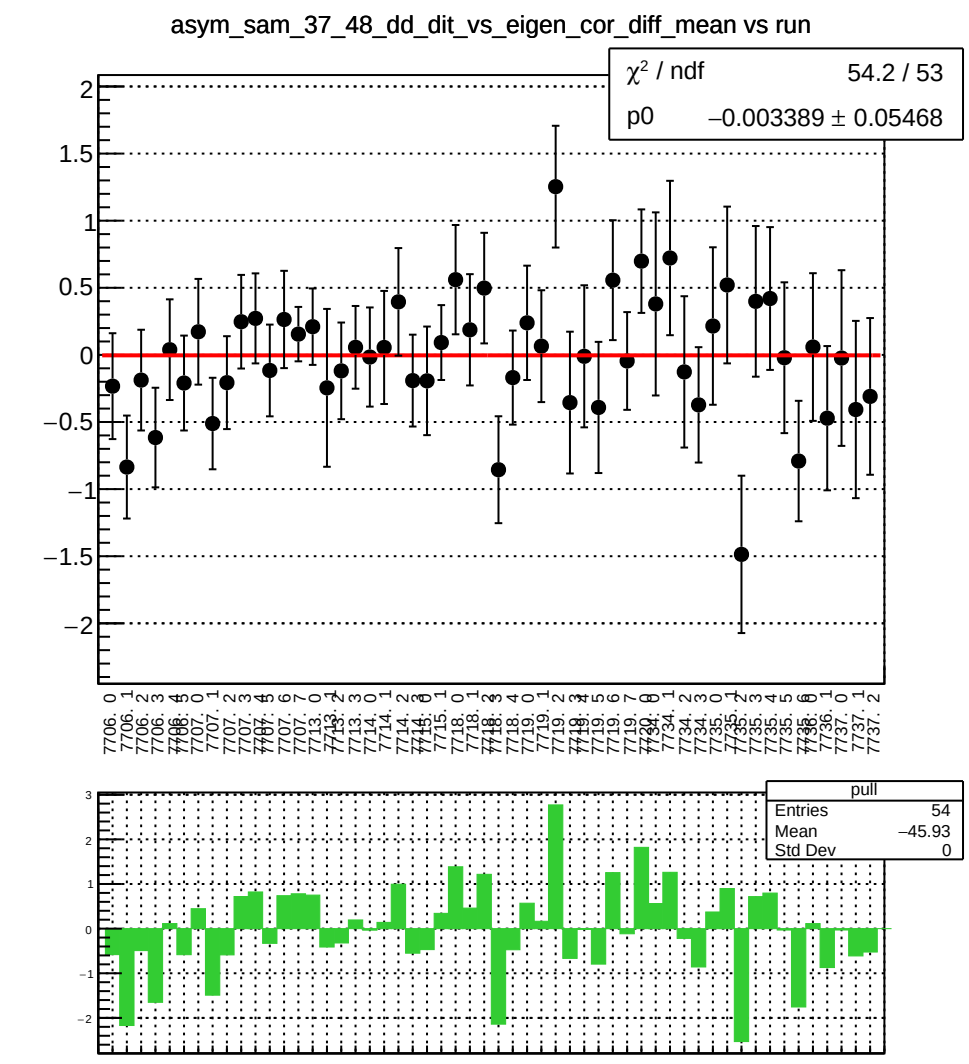

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.69 / 53
p0 −2.717e−14 ± 4.988e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 54
Mean 53.88
Std Dev 0
3
2
1
0
−1
−2

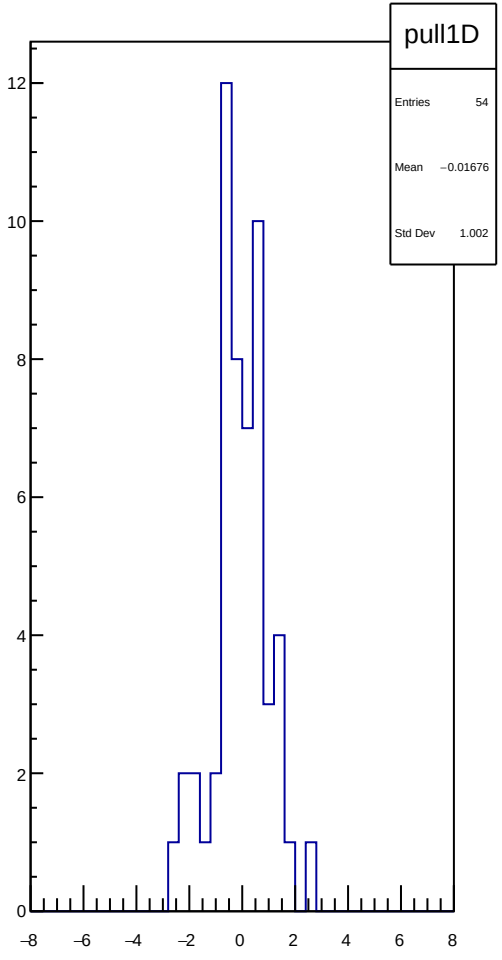

pull1D
Entries 54
Mean 0.1154
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

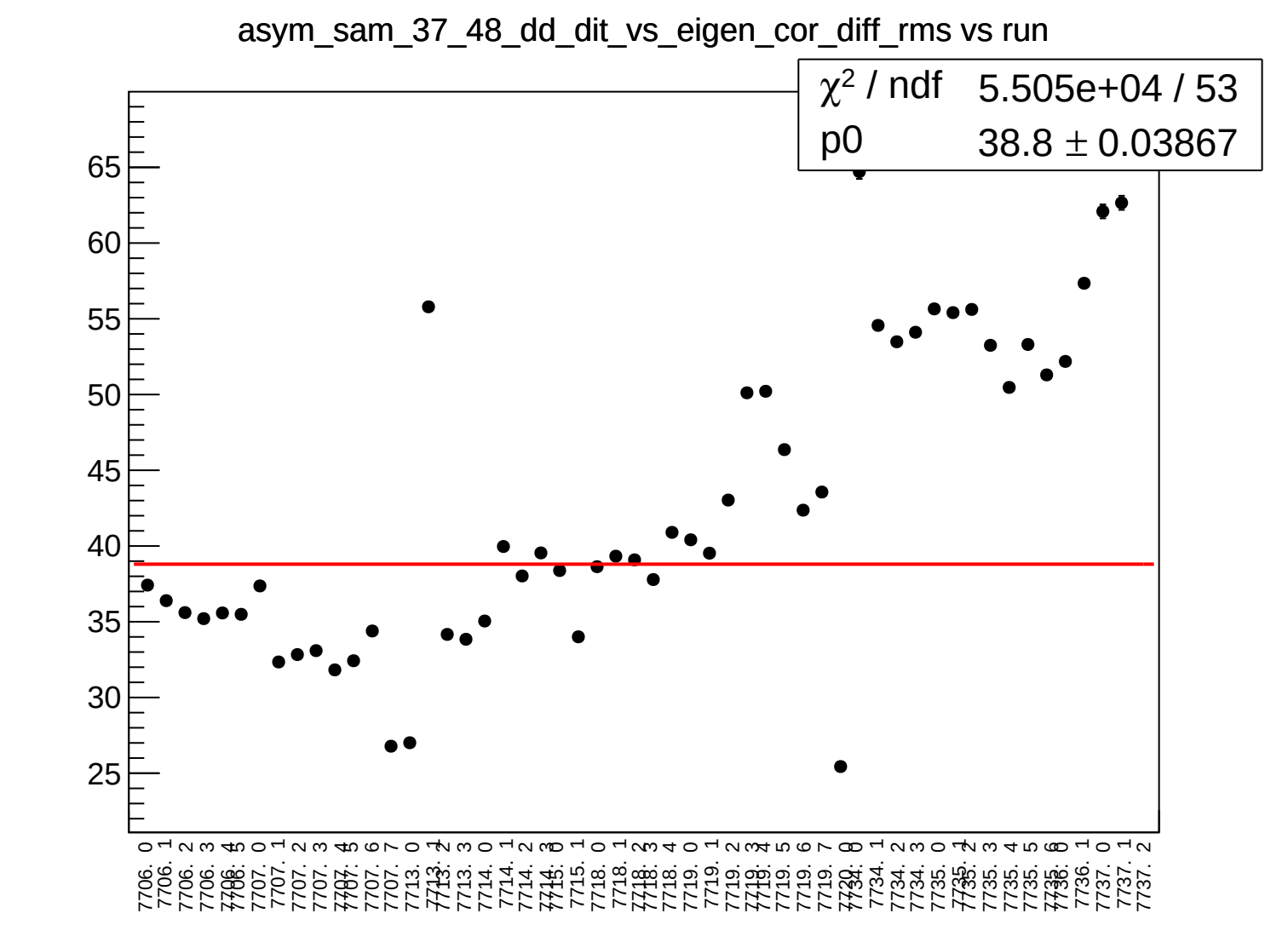

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.081e+05 / 53
p0 2.098e−11 ± 3.527e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

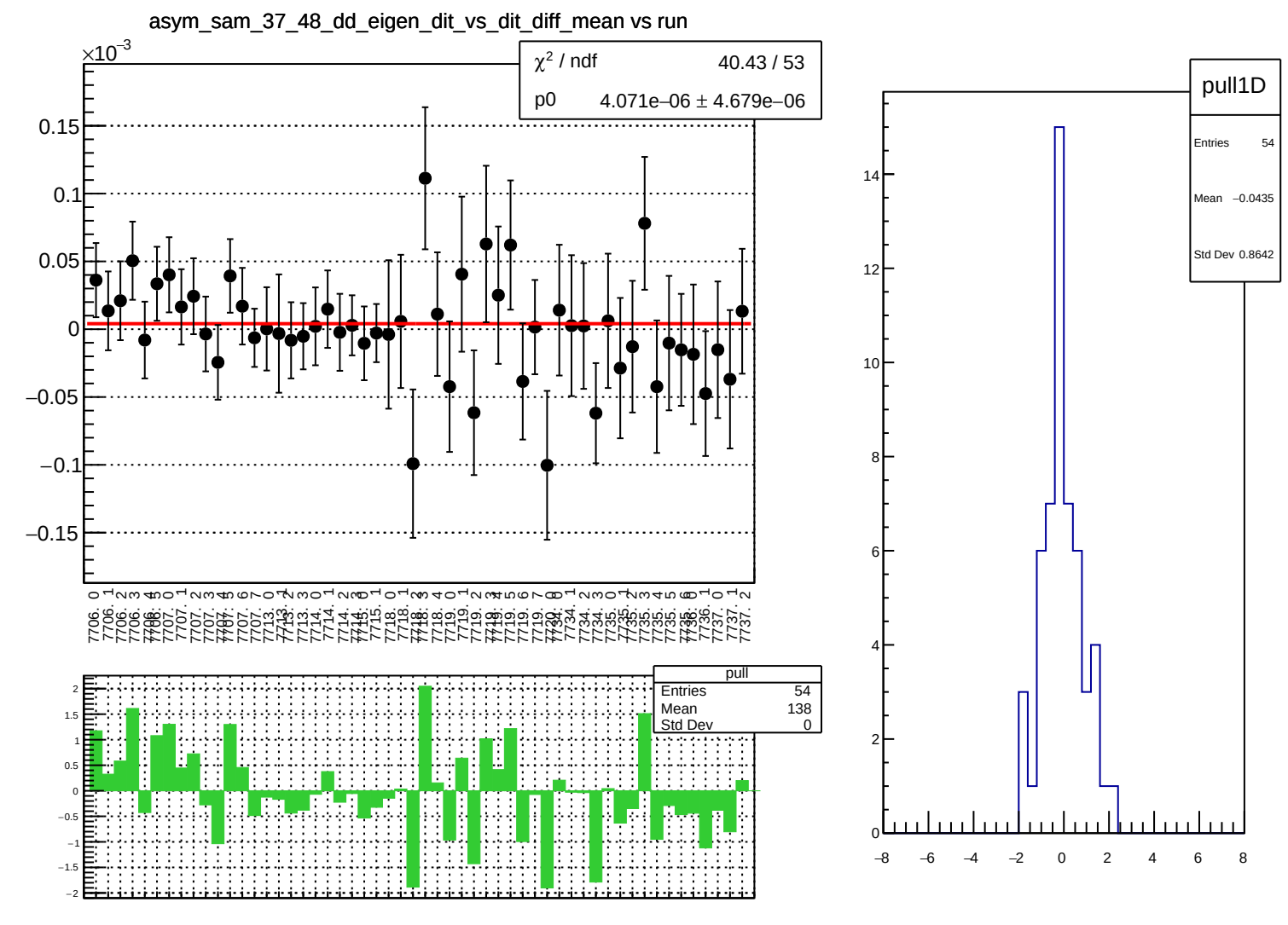

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.2 / 53
p0 −0.003389 ± 0.05468
pull
Entries 54
Mean −45.93
Std Dev 0
pull1D
Entries 54
Mean −0.01676
Std Dev 1.002

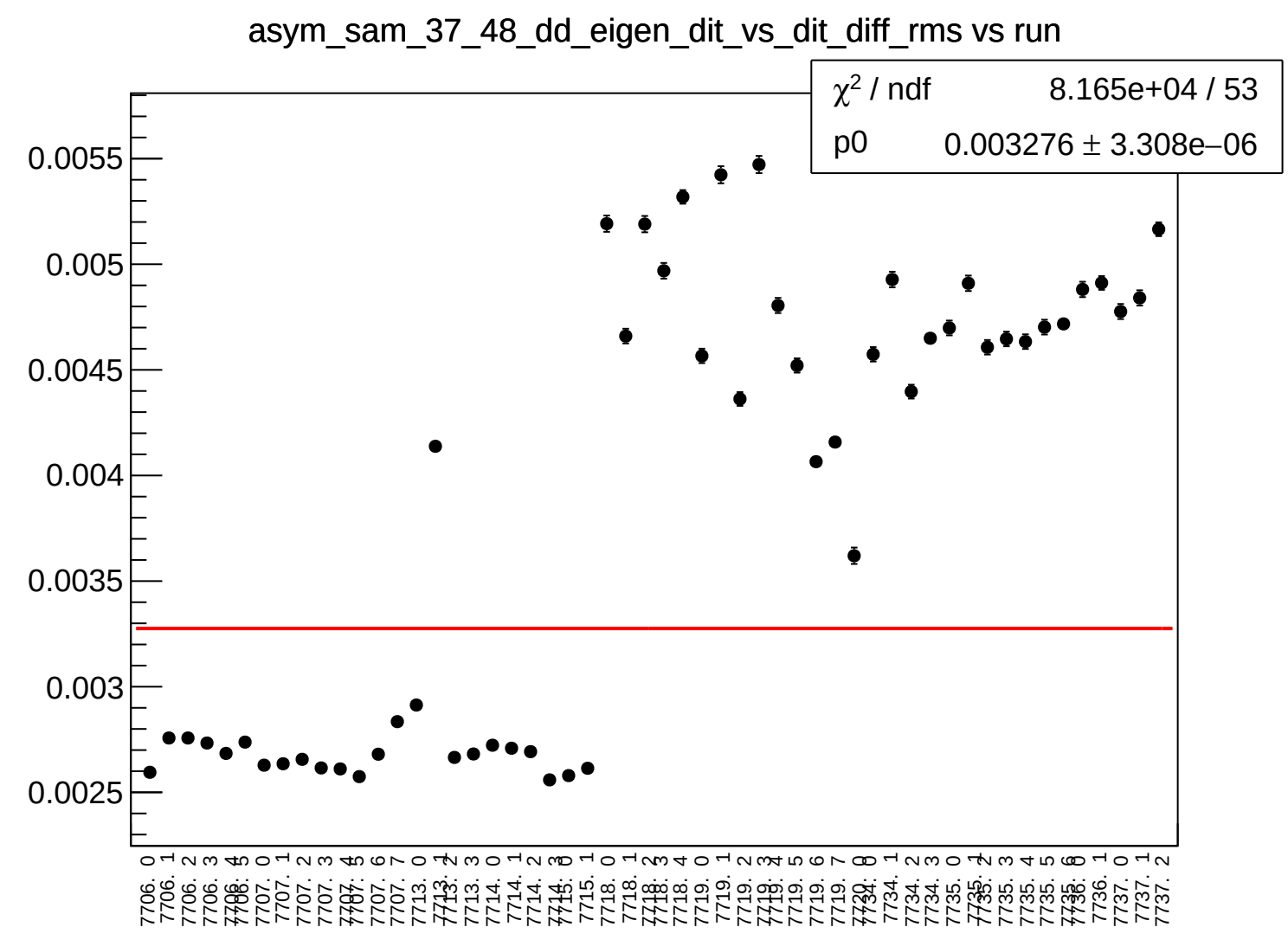

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.505e+04 / 53
p0 38.8 ± 0.03867
65
60
55
50
45
40
35
30
25
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

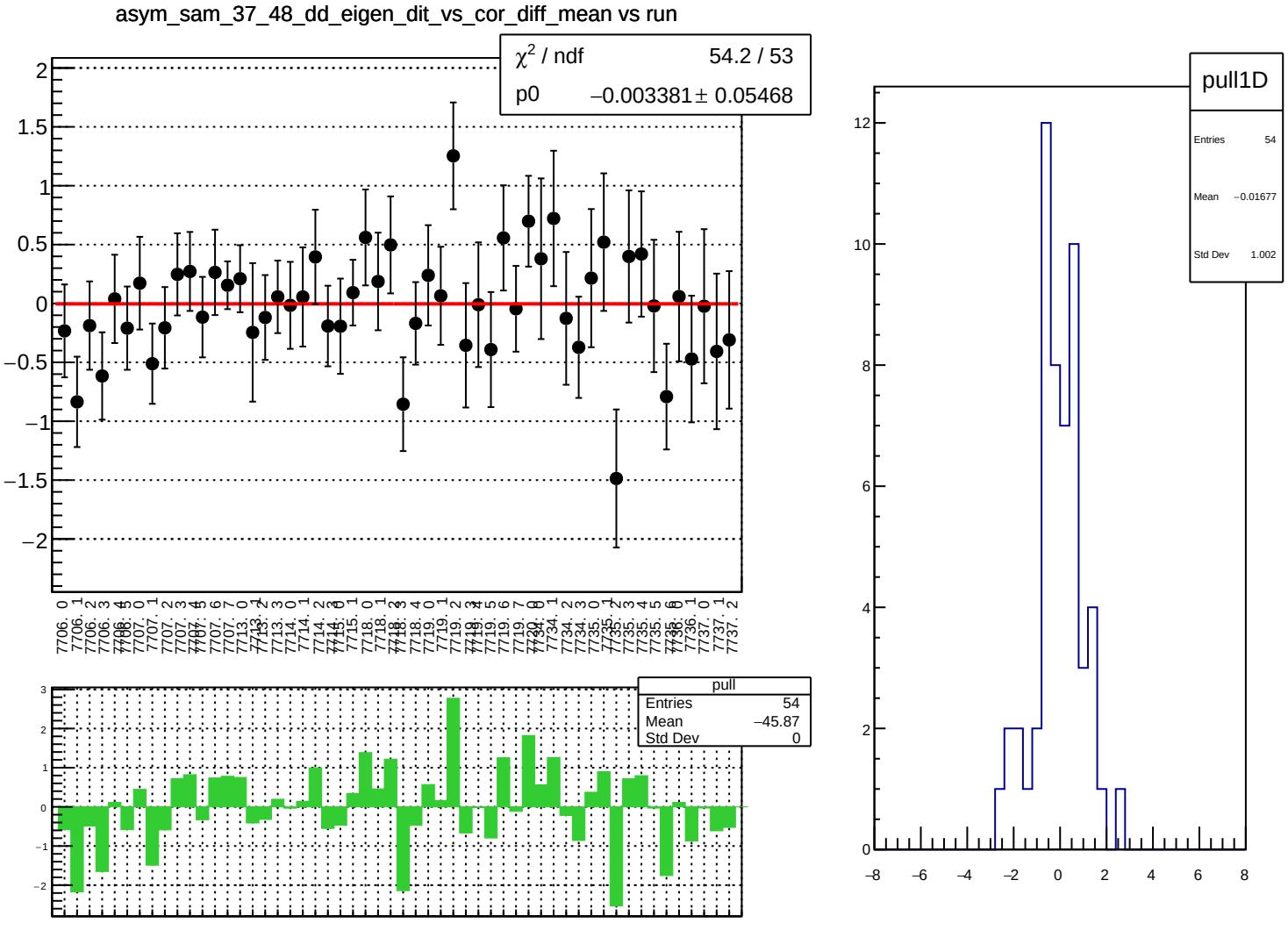

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.2 / 53
p0 −0.003389 ± 0.05468
pull
Entries 54
Mean −45.93
Std Dev 0

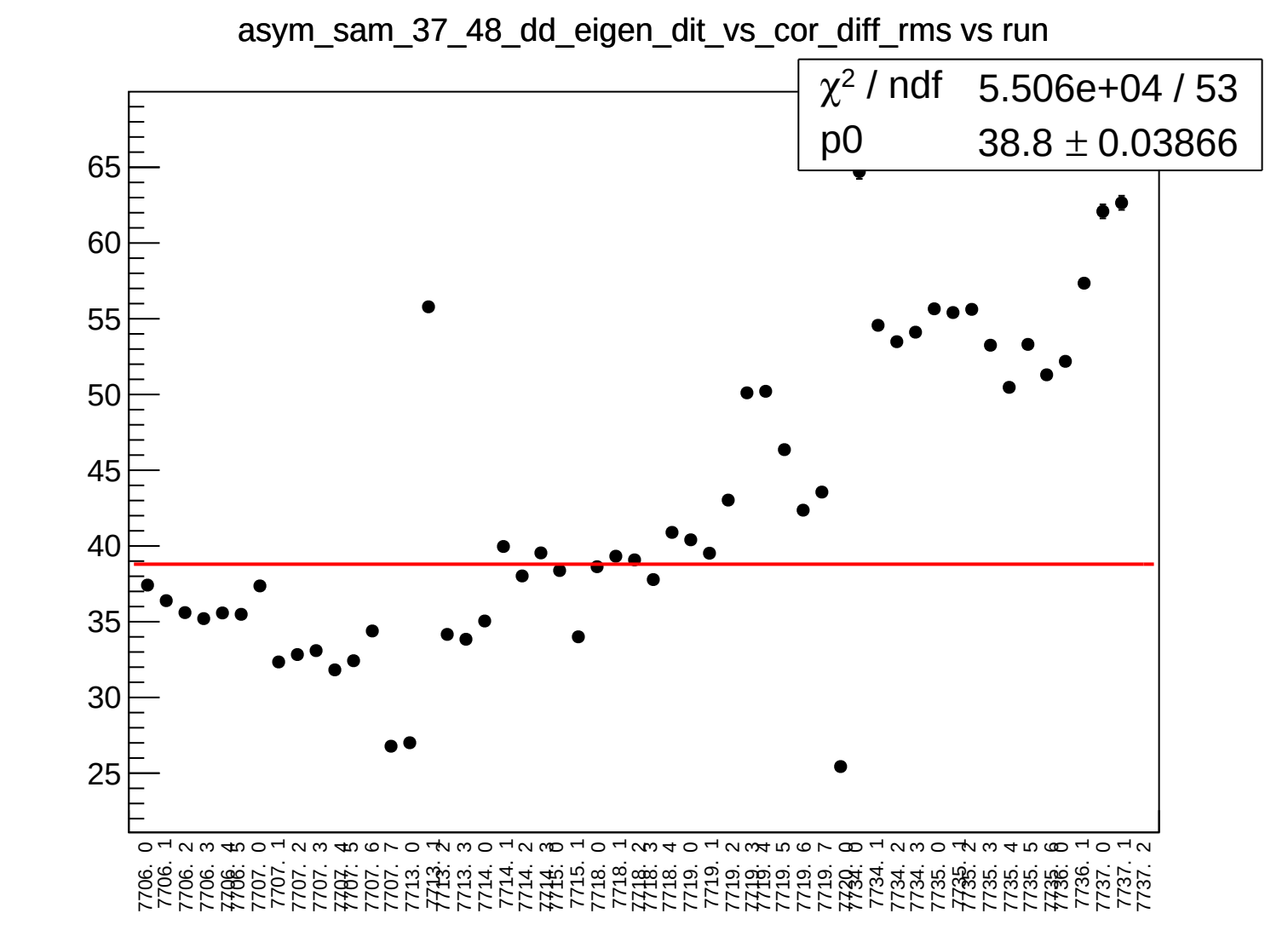

pull1D
Entries 54
Mean −0.01676
Std Dev 1.002


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.505e+04 / 53
p0 38.8 ± 0.03867
65
60
55
50
45
40
35
30
25

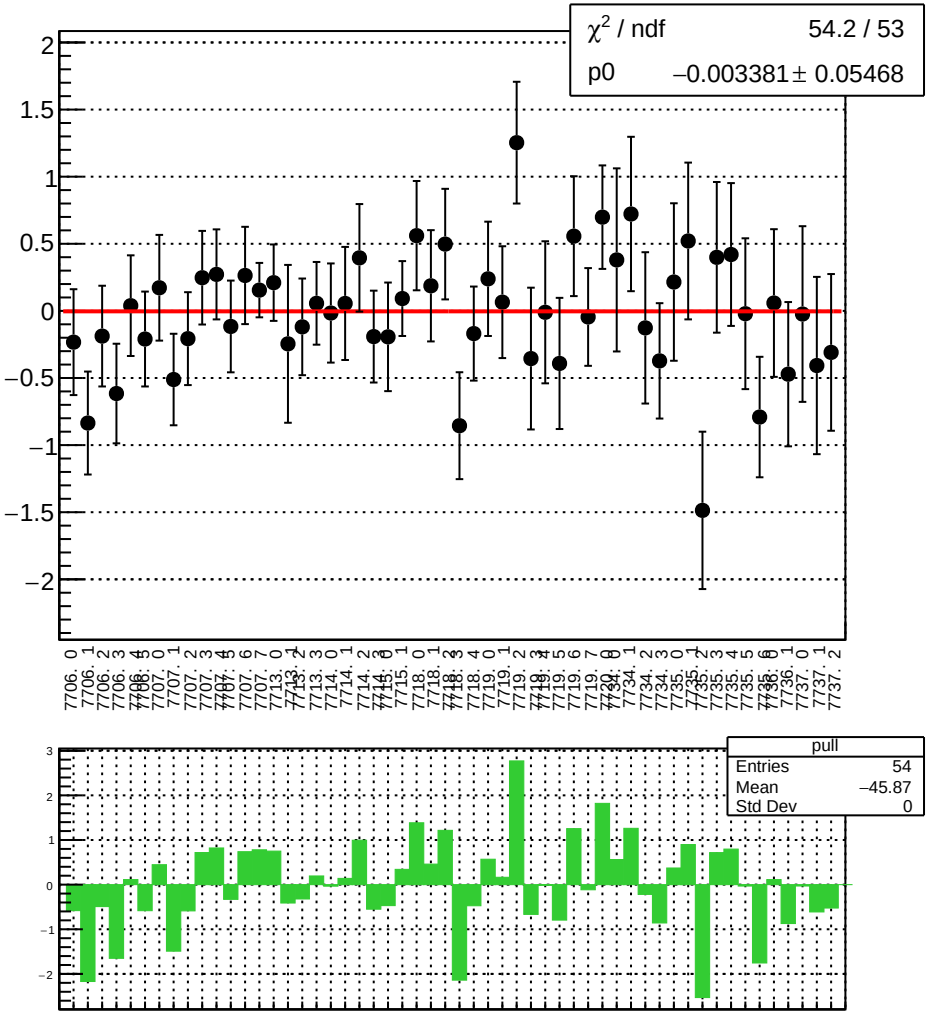

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.43 / 53
p0 4.071e−06 ± 4.679e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 138
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.0435
Std Dev 0.8642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

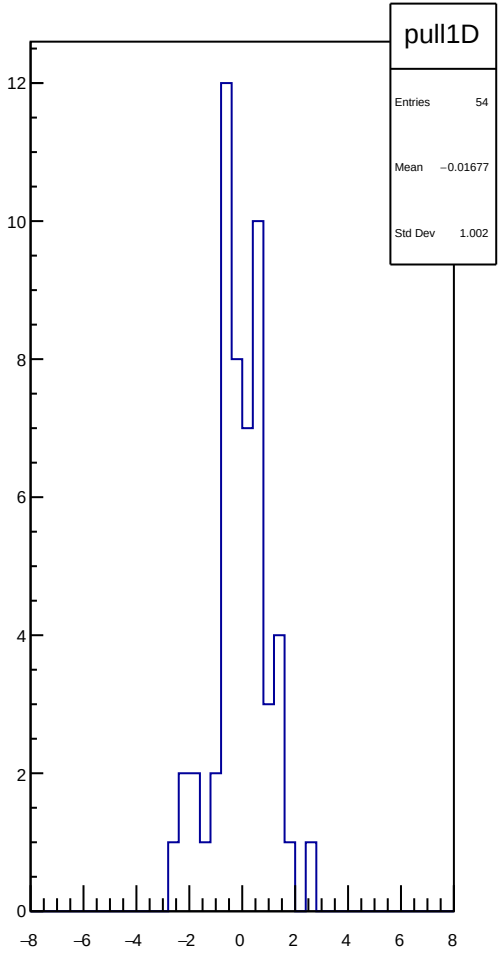

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.165e+04 / 53
p0 0.003276 ± 3.308e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

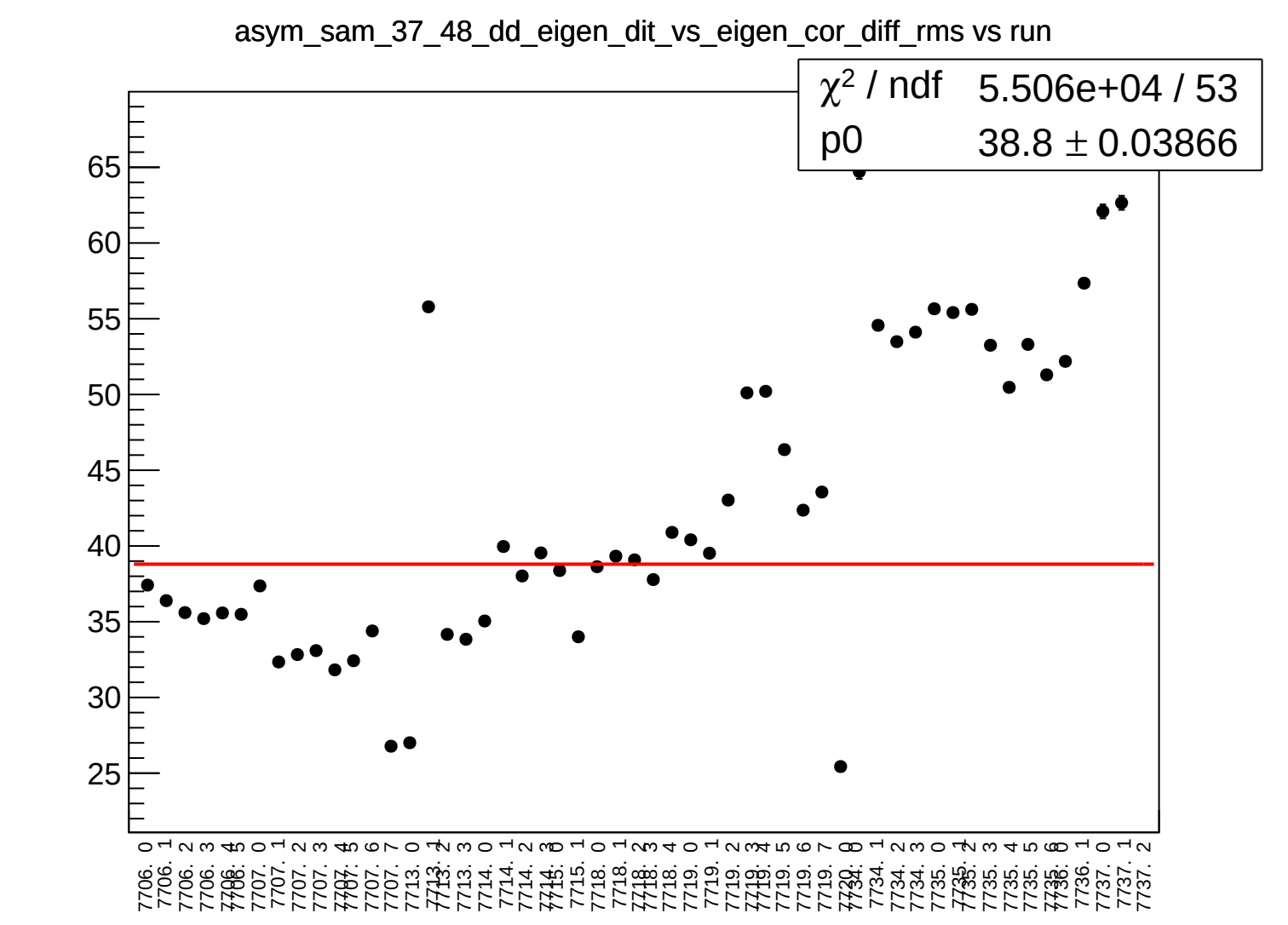

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.2 / 53
p0 −0.003381 ± 0.05468
pull
Entries 54
Mean −45.87
Std Dev 0
pull1D
Entries 54
Mean −0.01677
Std Dev 1.002

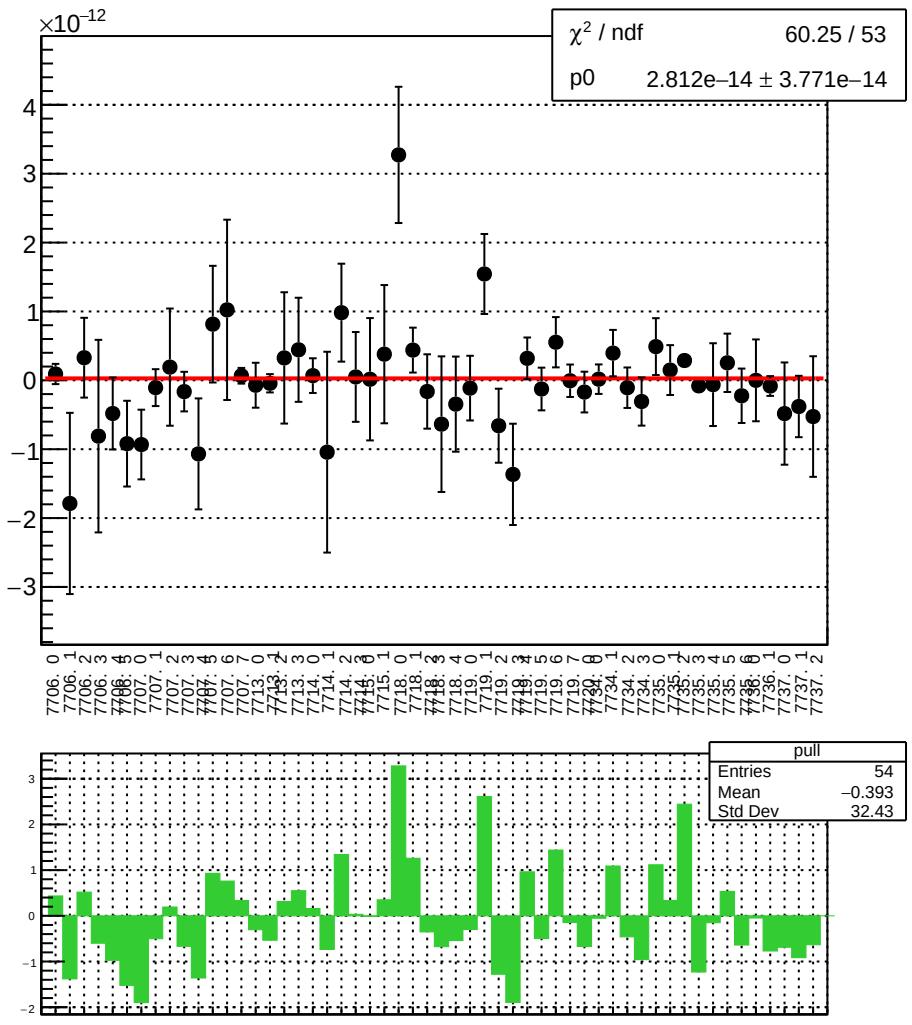

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.506e+04 / 53
p0 38.8 ± 0.03866
65
60
55
50
45
40
35
30
25

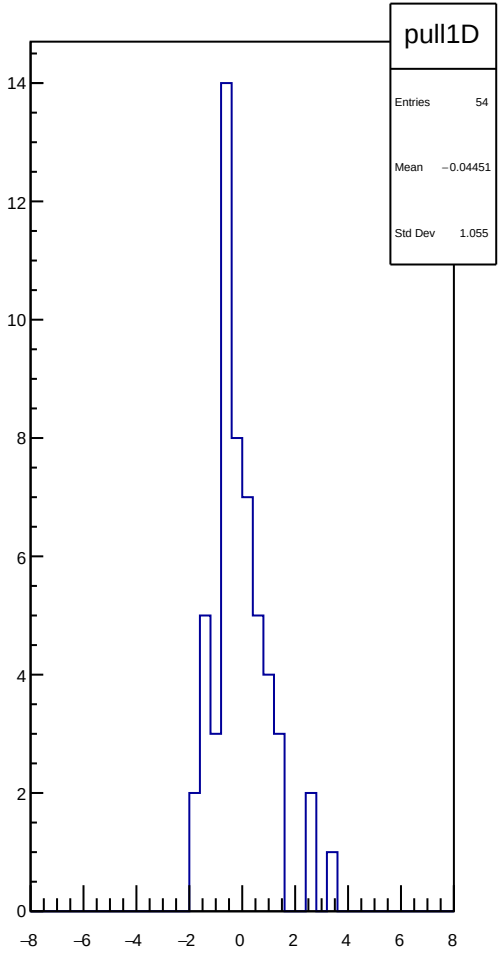
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

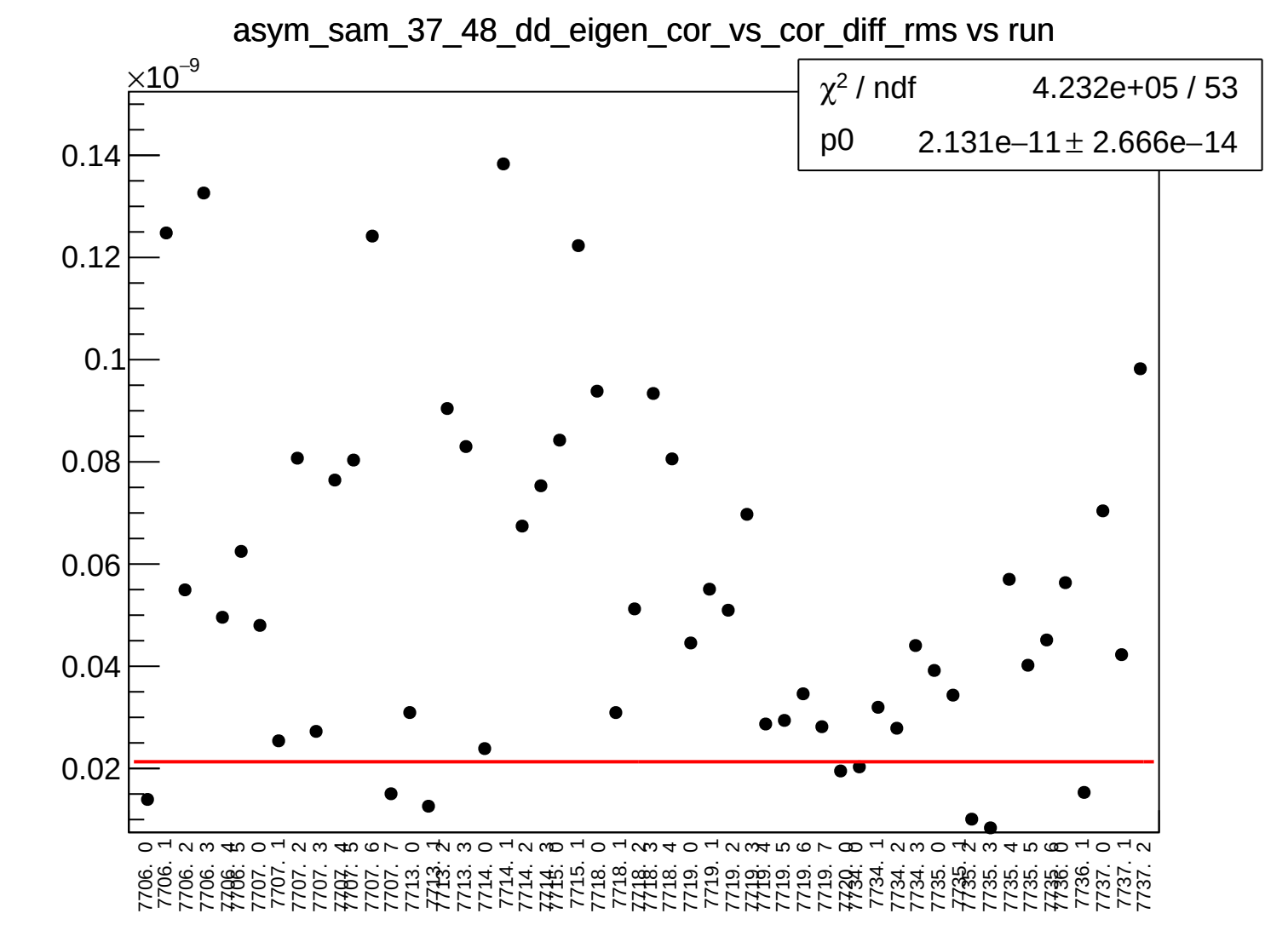


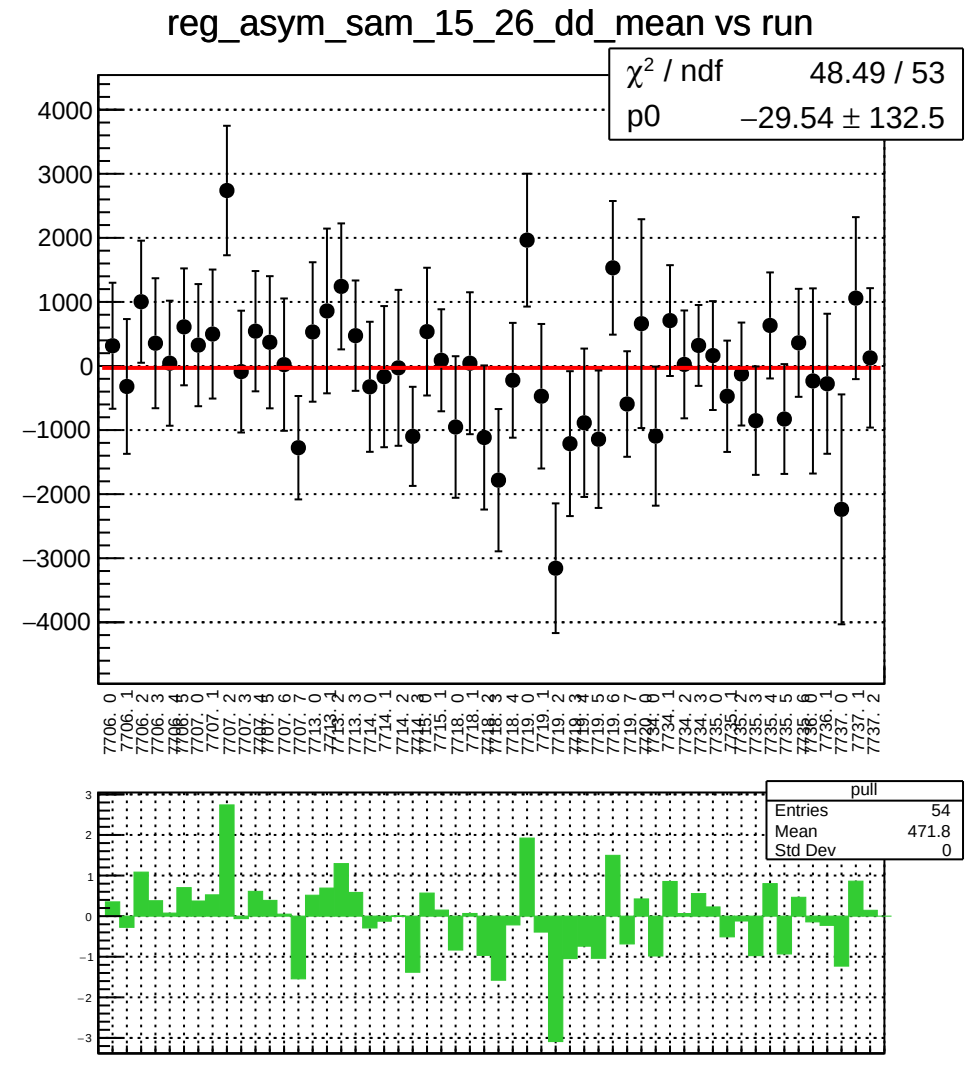


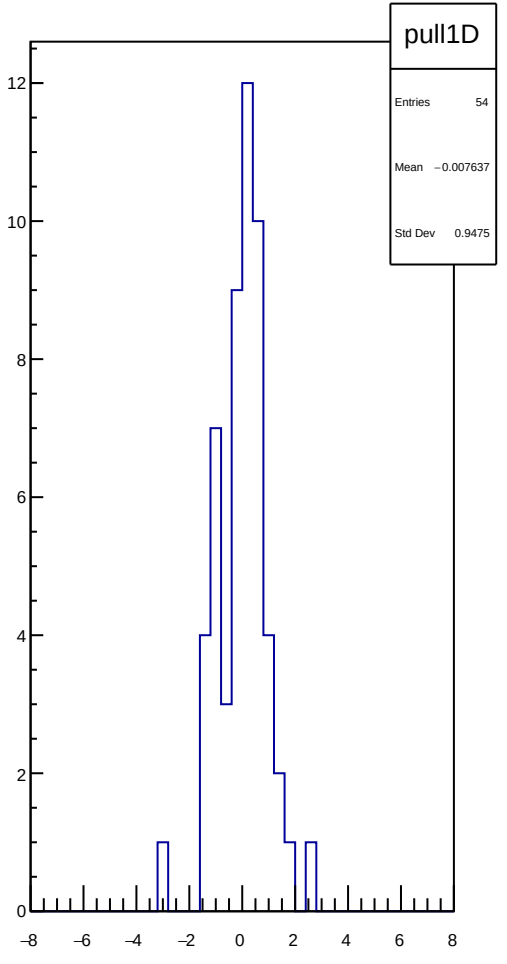

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.506e+04 / 53
p0 38.8 ± 0.03866
65
60
55
50
45
40
35
30
25

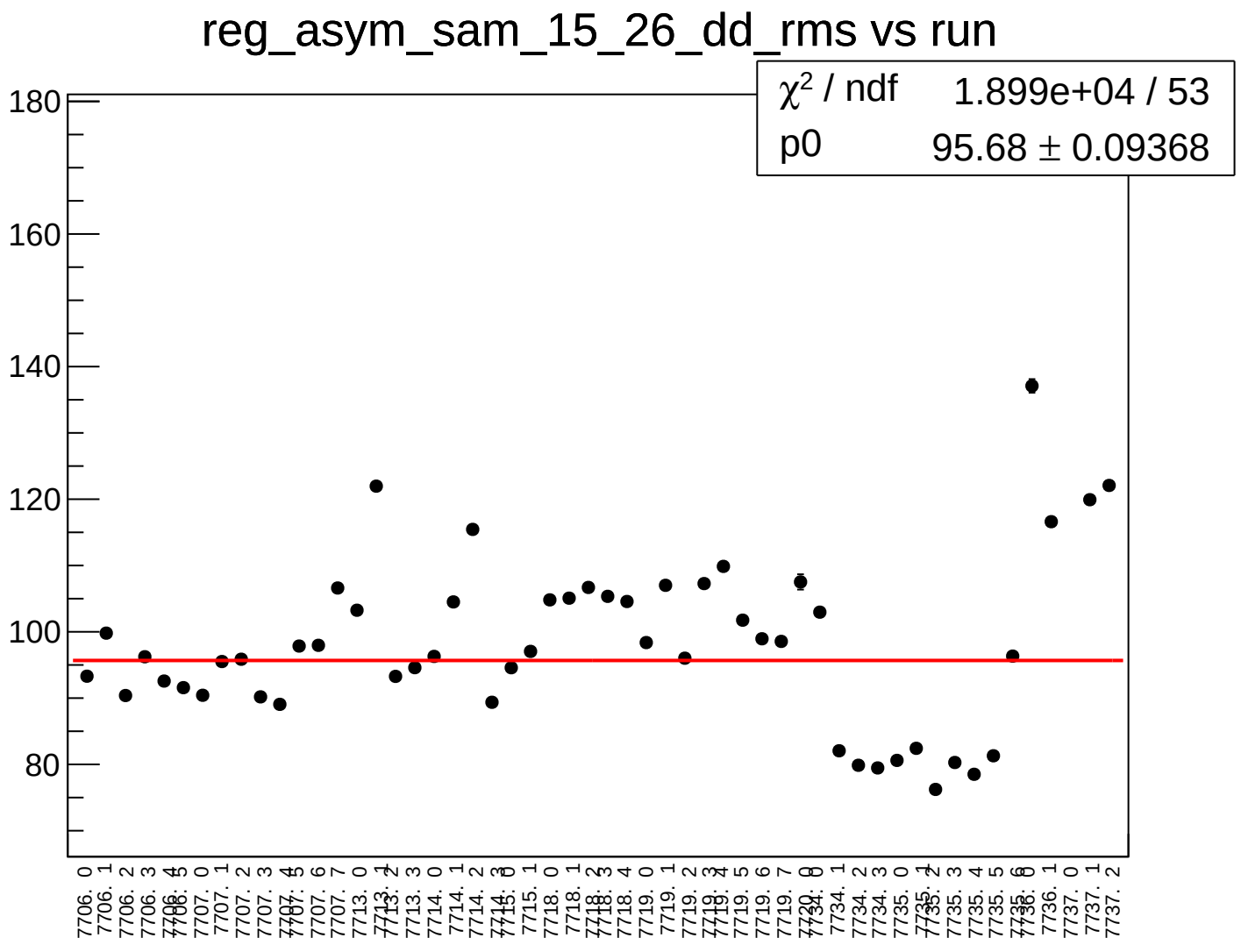

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.25 / 53
p0 2.812e−14 ± 3.771e−14
pull
Entries 54
Mean −0.393
Std Dev 32.43

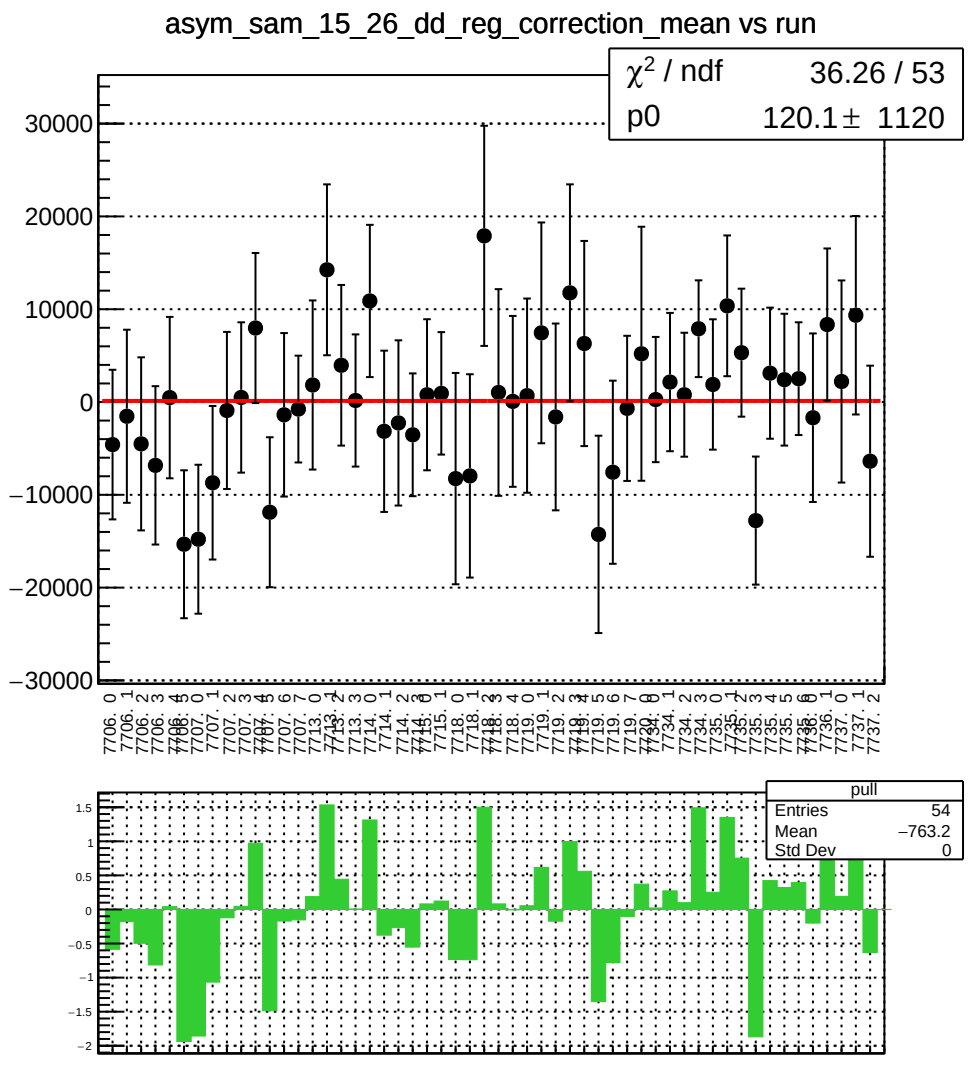

pull1D
Entries 54
Mean −0.04451
Std Dev 1.055

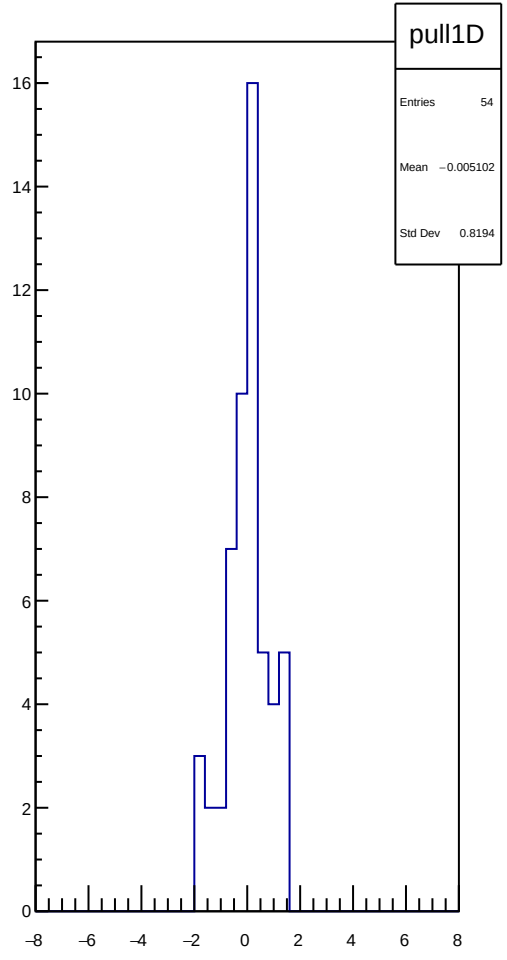

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.232e+05 / 53
p0 2.131e−11 ± 2.666e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 2
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

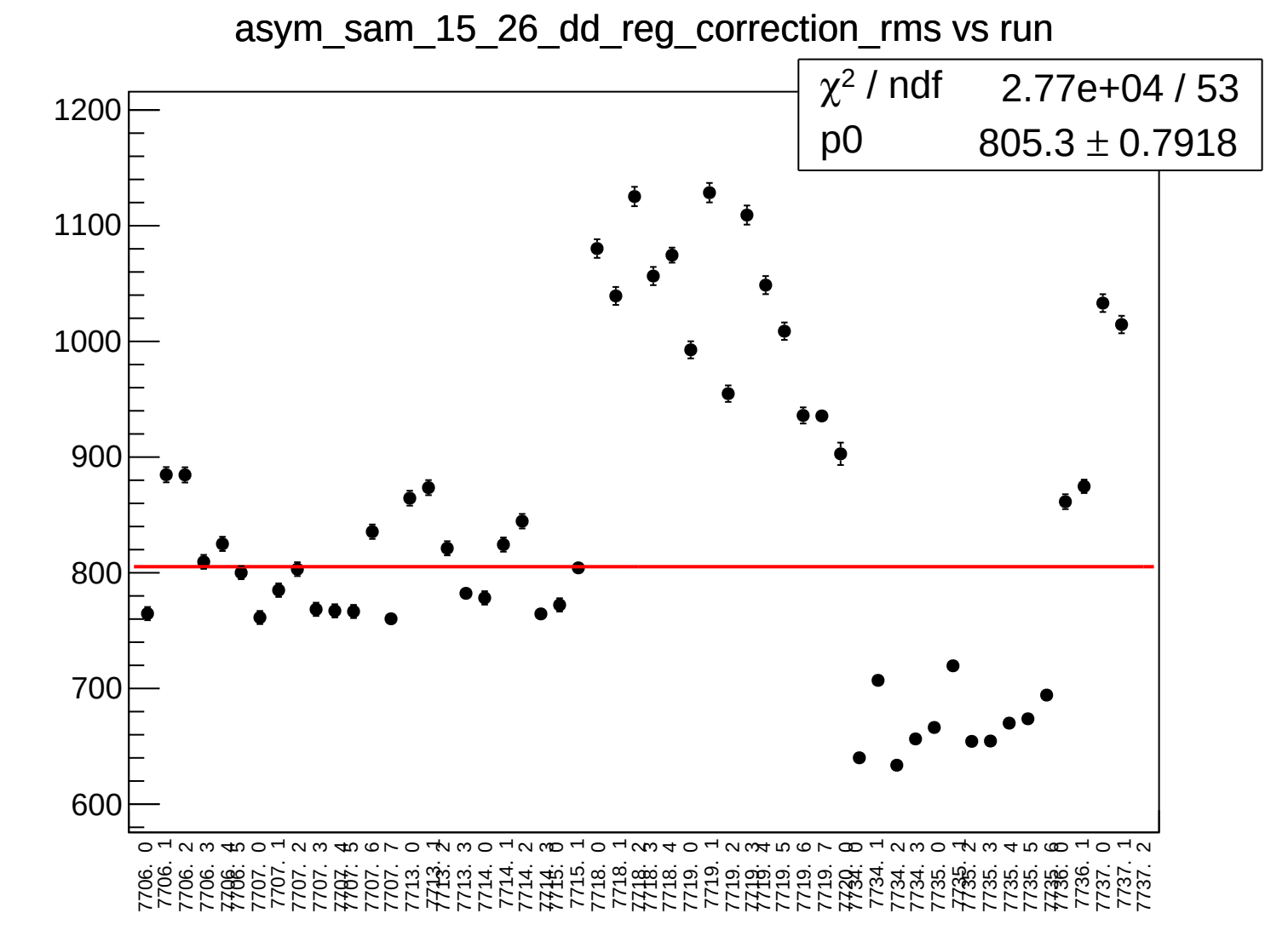

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 48.49 / 53
p0 −29.54 ± 132.5
pull
Entries 54
Mean 471.8
Std Dev 0

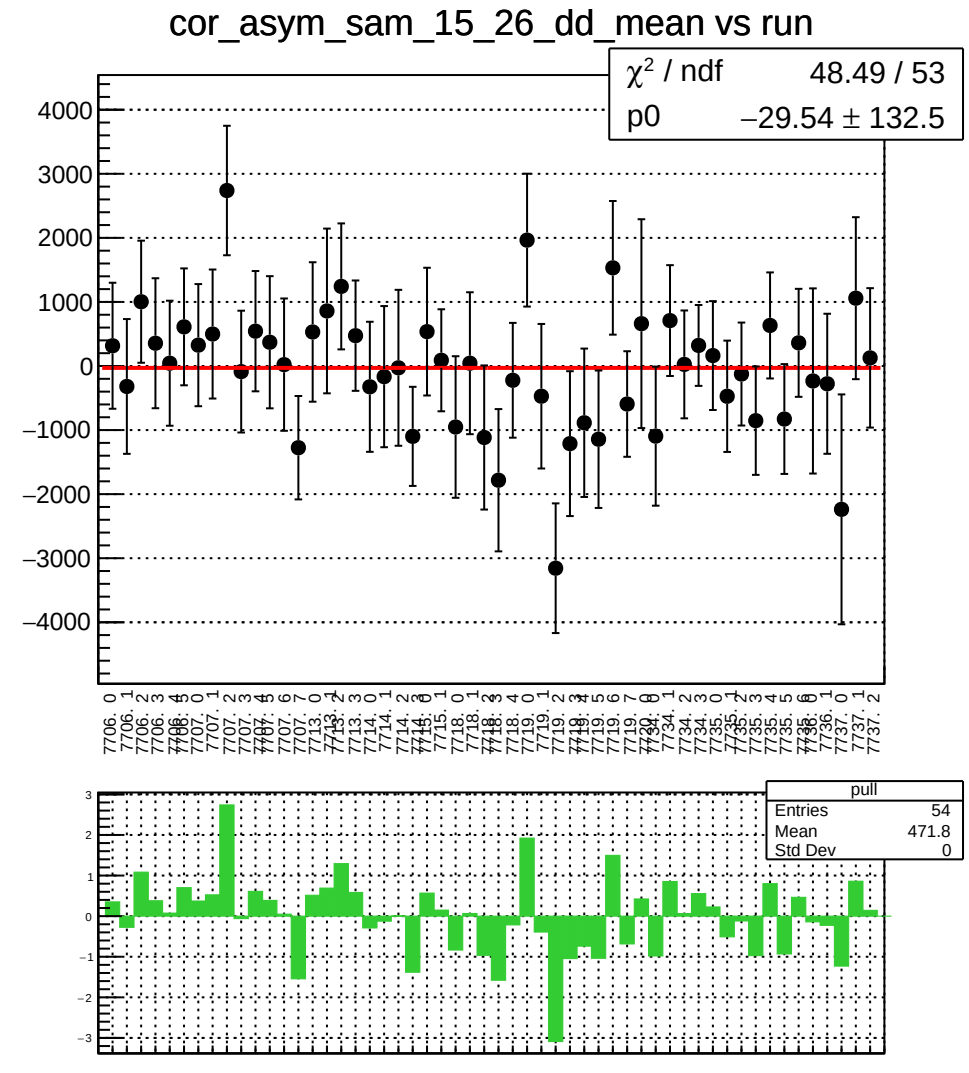

pull1D
Entries 54
Mean −0.007637
Std Dev 0.9475

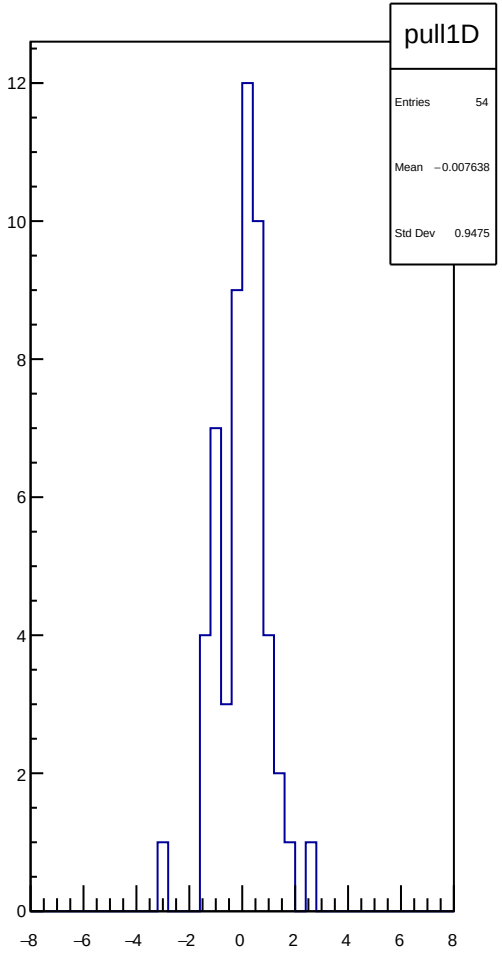

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.899e+04 / 53
p0 95.68 ± 0.09368
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

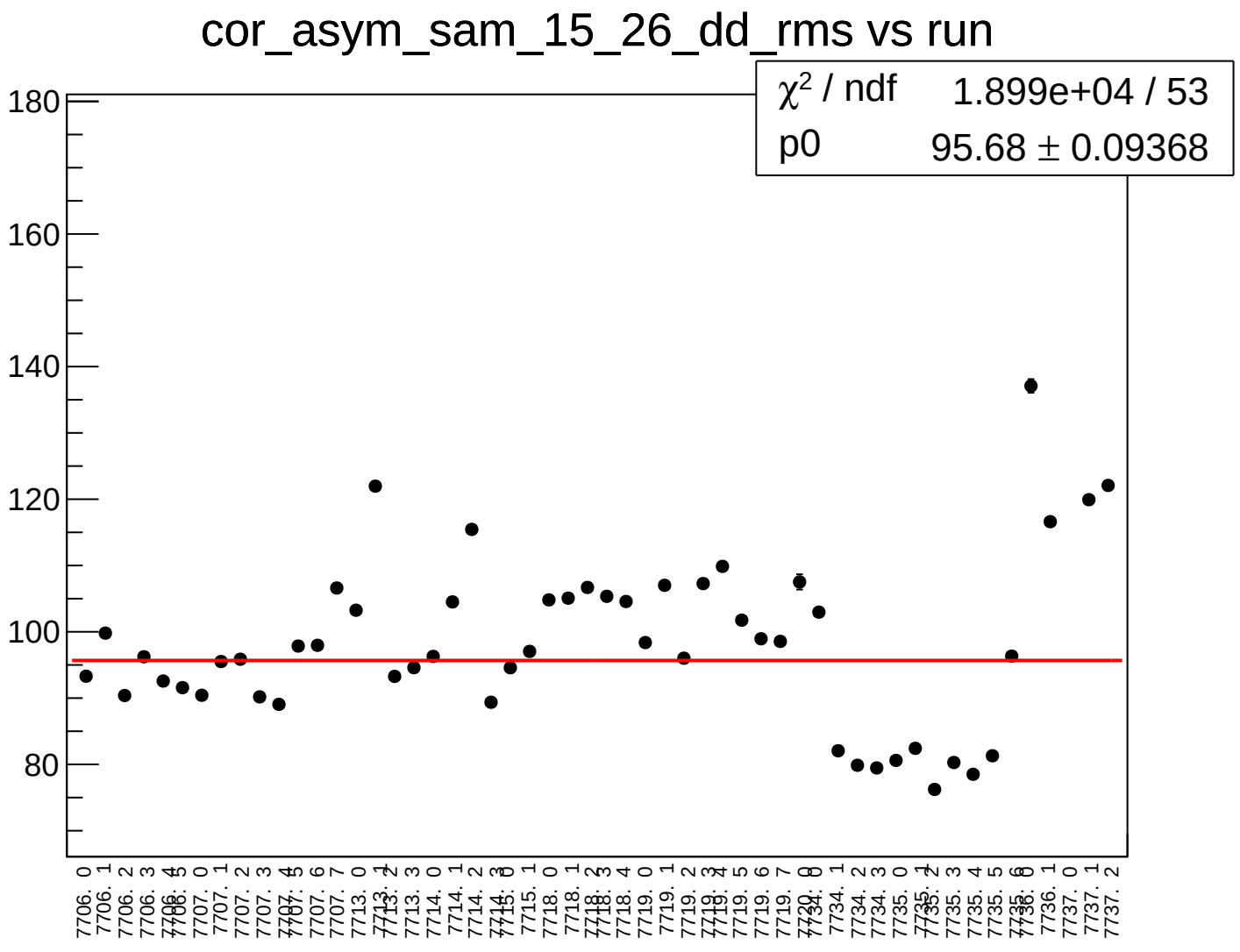

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 36.26 / 53
p0 120.1± 1120
pull
Entries 54
Mean −763.2
Std Dev 0

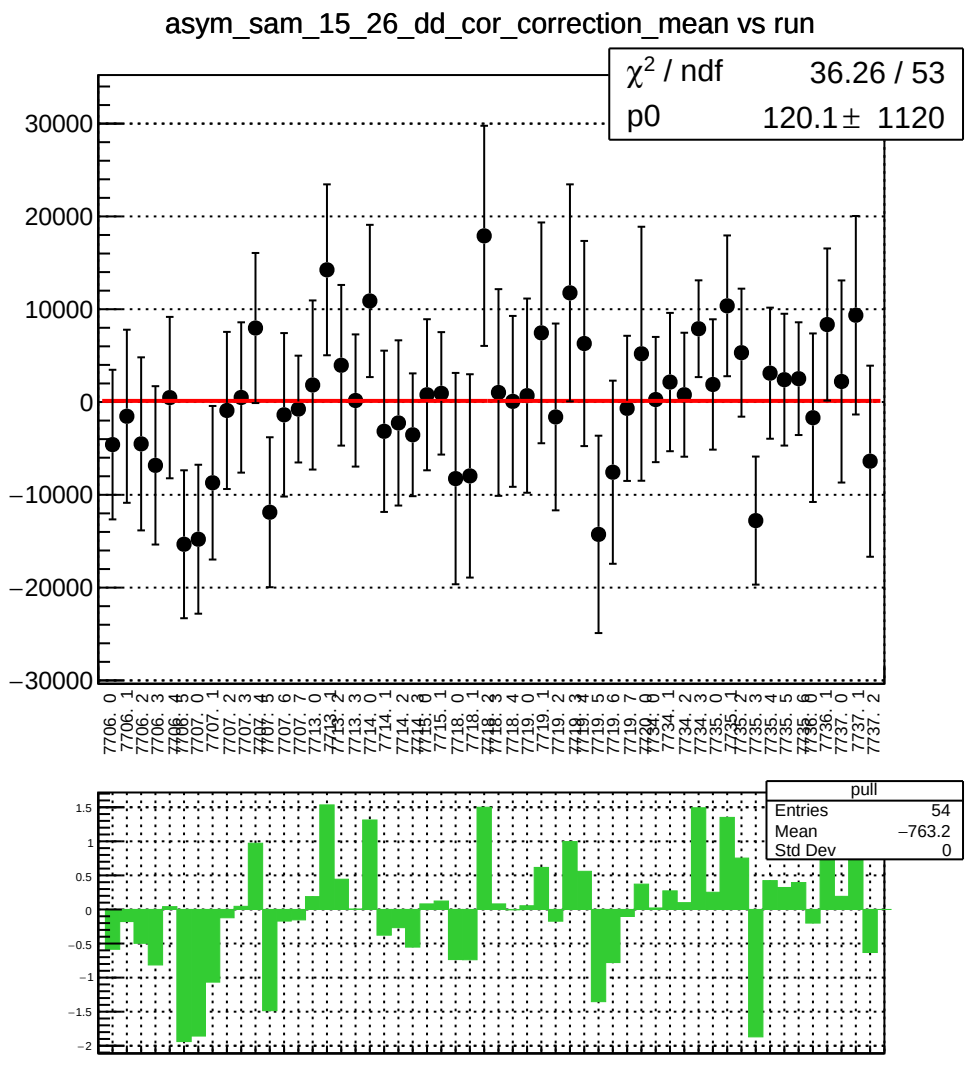

pull1D
Entries 54
Mean −0.005102
Std Dev 0.8194

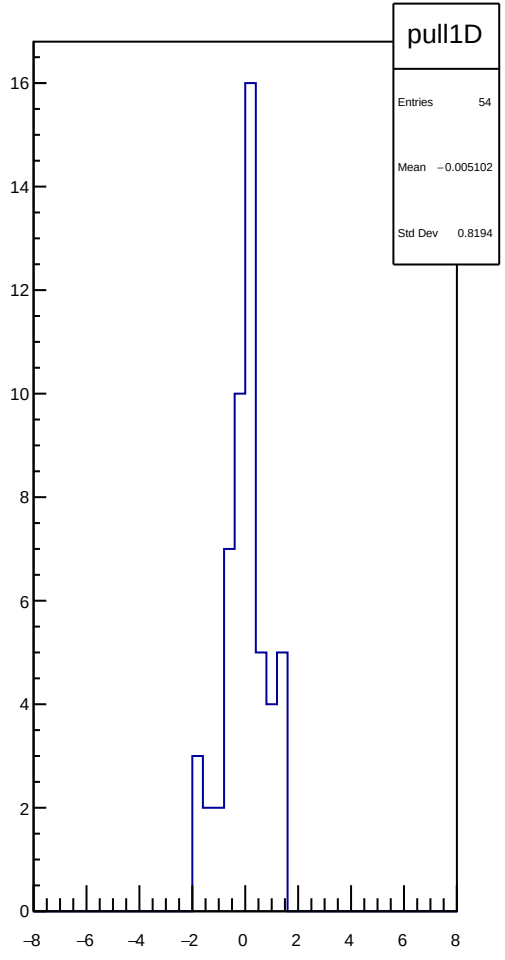

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2.77e+04 / 53
p0 805.3 ± 0.7918
1200
1100
1000
900
800
700
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

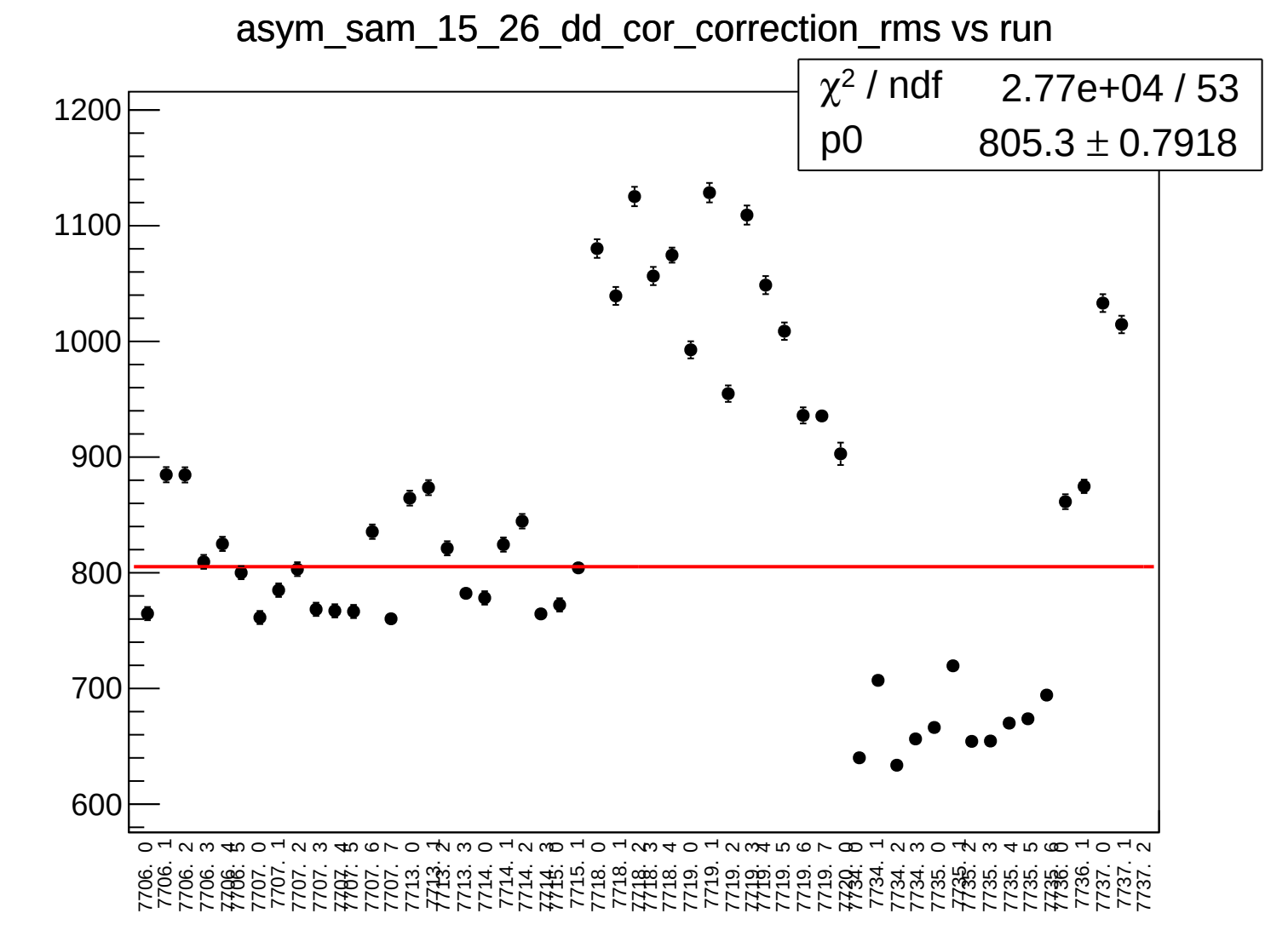

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 48.49 / 53
p0 −29.54 ± 132.5
pull
Entries 54
Mean 471.8
Std Dev 0

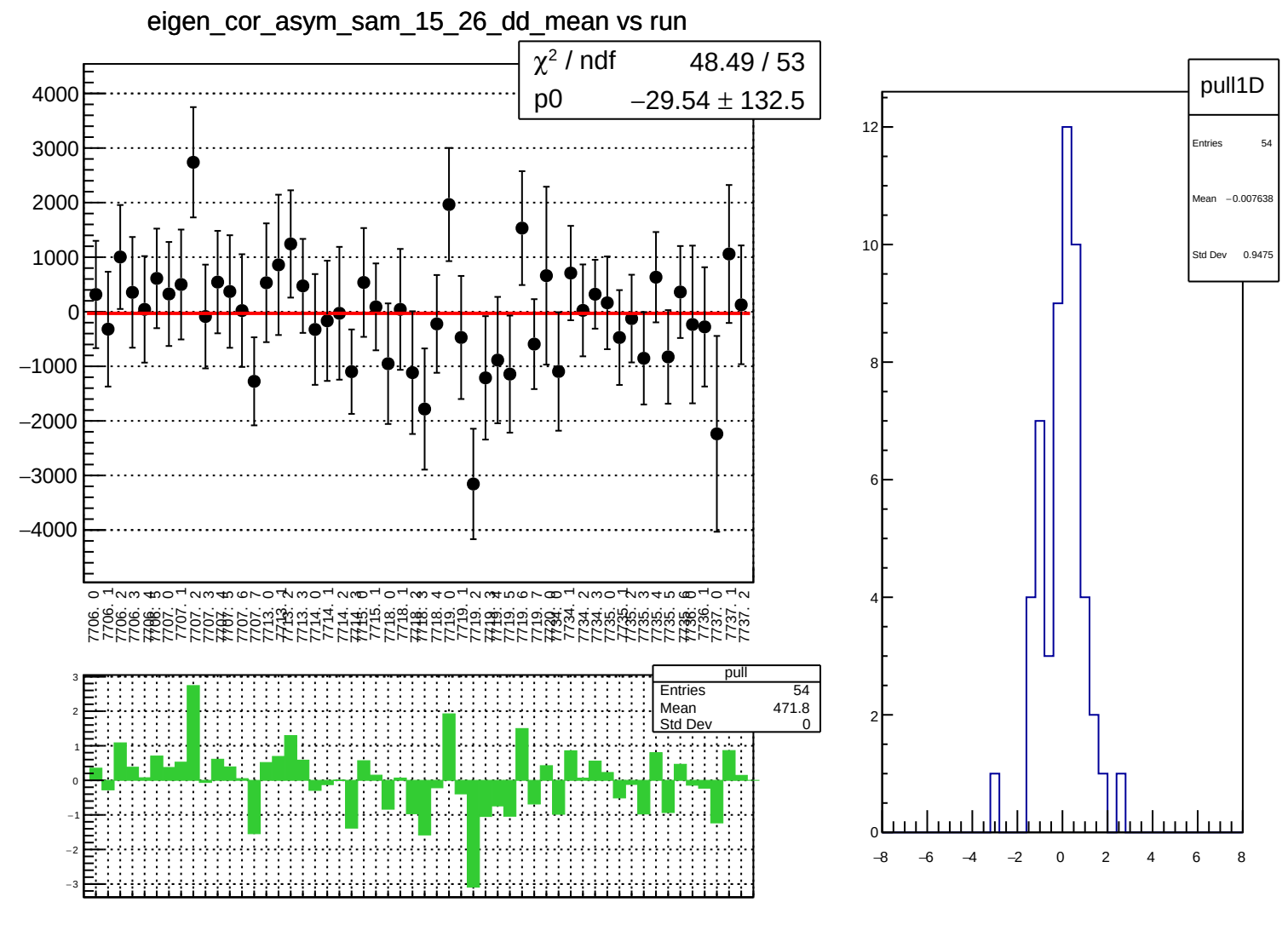

pull1D
Entries 54
Mean −0.007638
Std Dev 0.9475

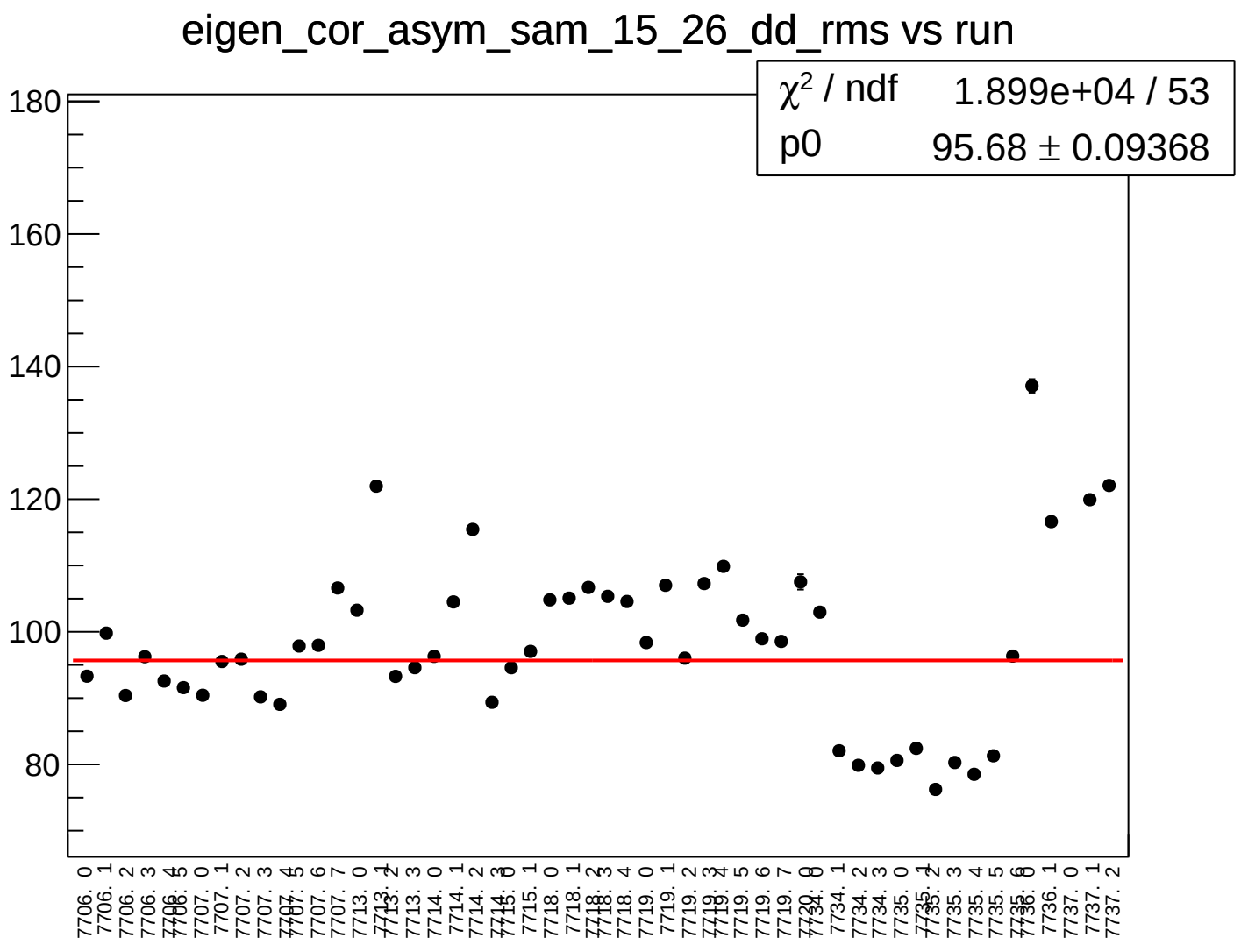

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.899e+04 / 53
p0 95.68 ± 0.09368
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

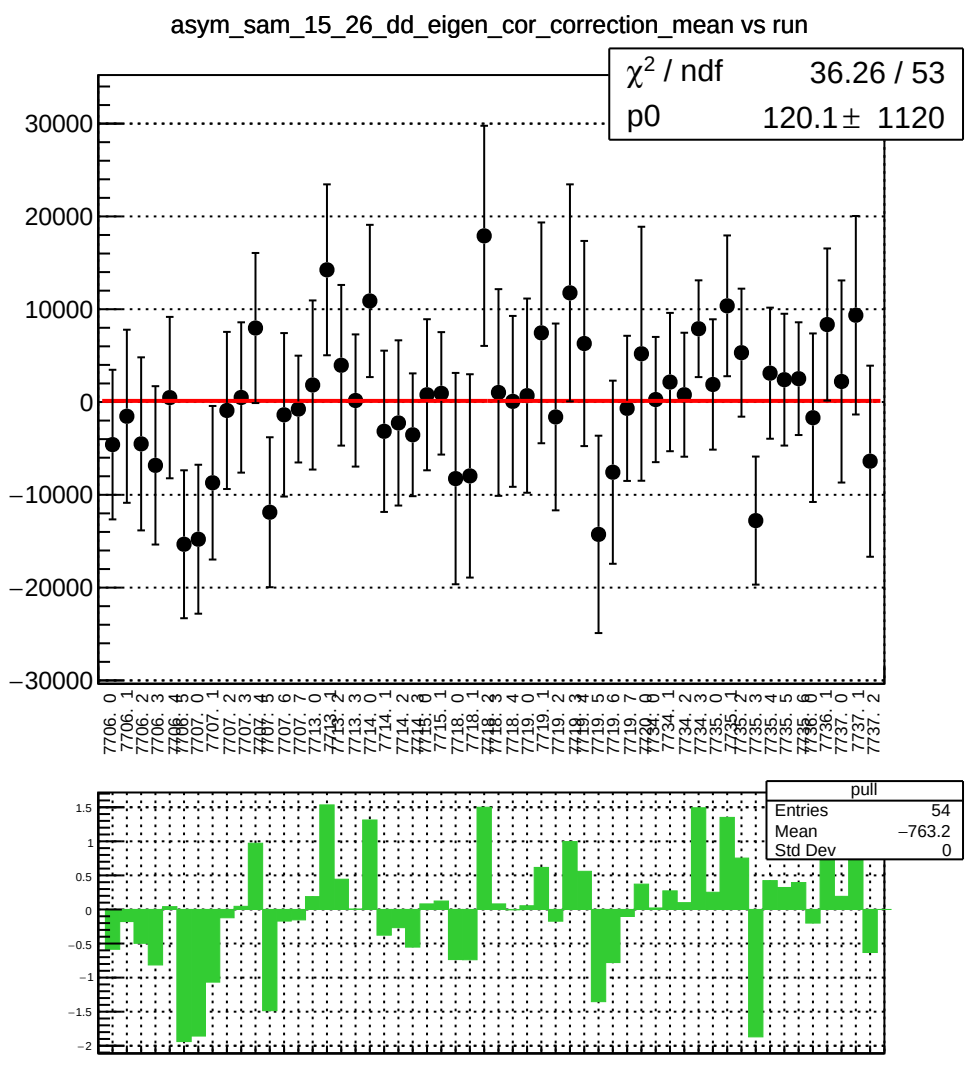

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 36.26 / 53
p0 120.1± 1120
pull
Entries 54
Mean −763.2
Std Dev 0

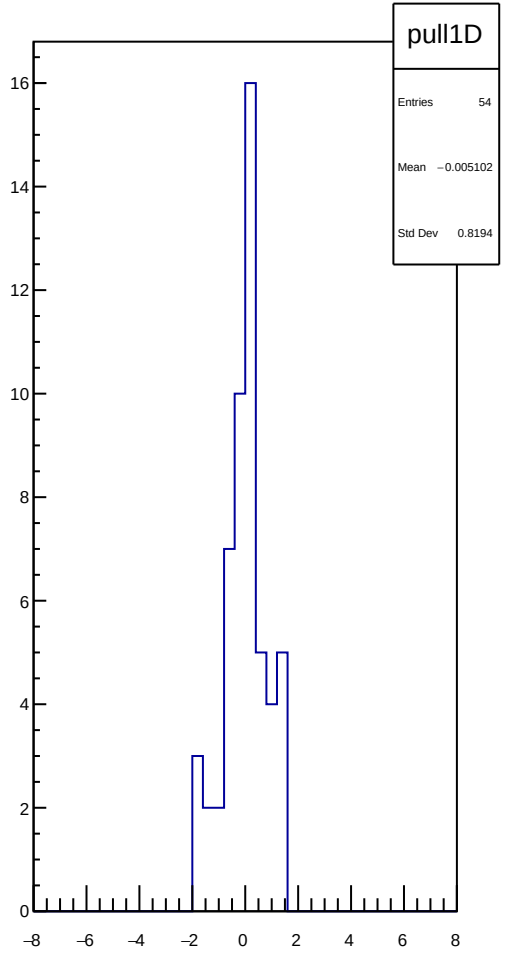

pull1D
Entries 54
Mean −0.005102
Std Dev 0.8194

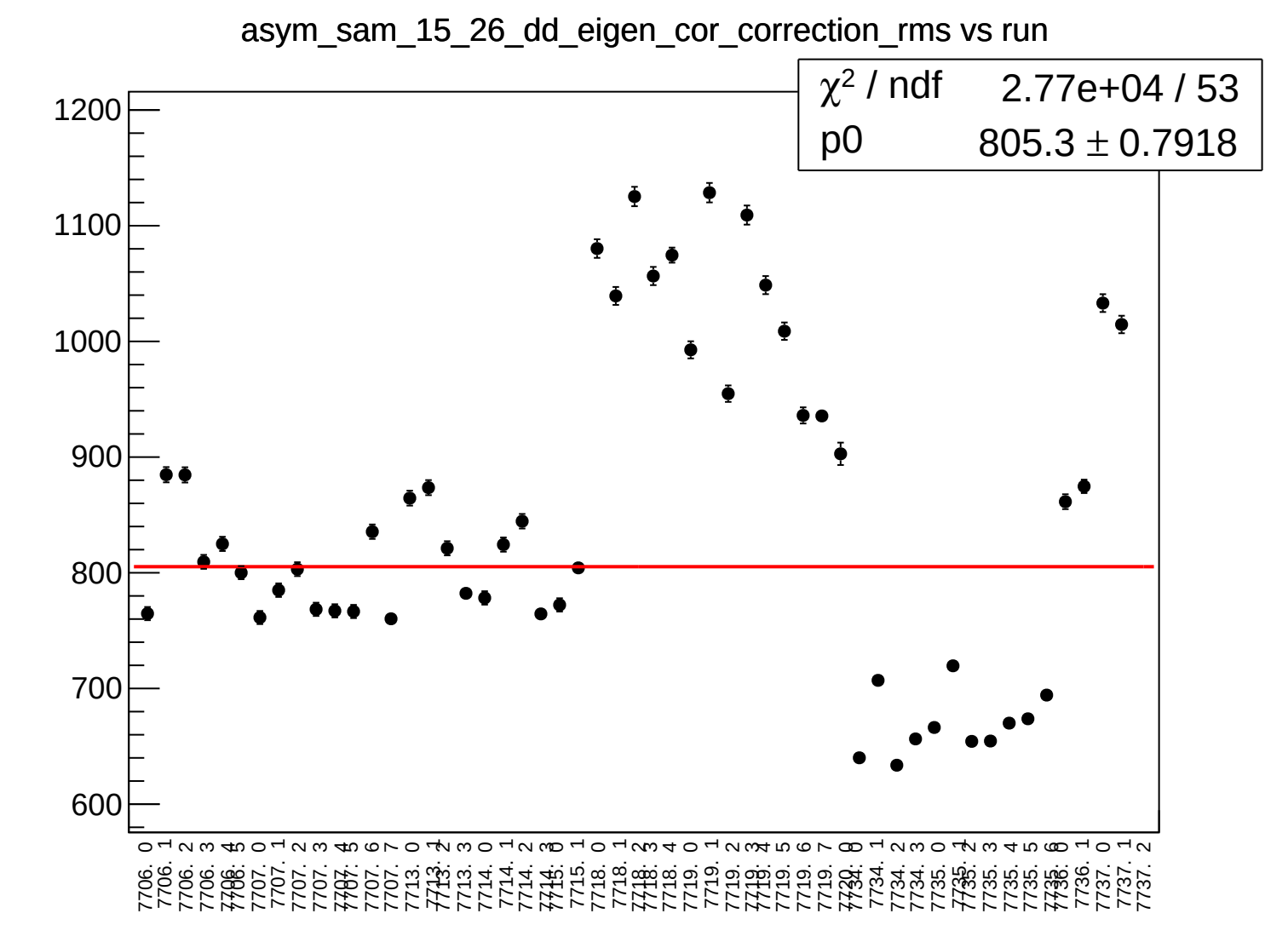

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2.77e+04 / 53
p0 805.3 ± 0.7918
1200
1100
1000
900
800
700
600

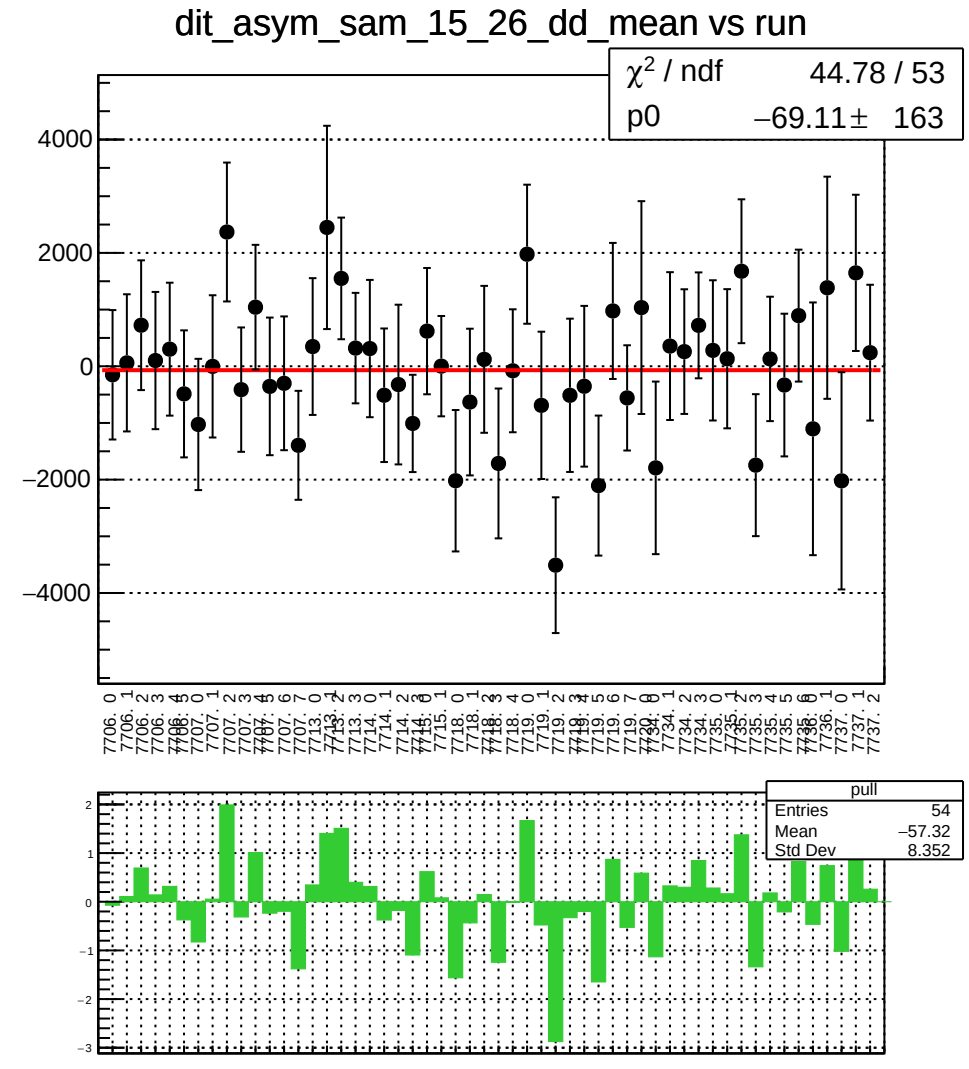

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 48.49 / 53
p0 −29.54 ± 132.5
pull
Entries 54
Mean 471.8
Std Dev 0
pull1D
Entries 54
Mean −0.007638
Std Dev 0.9475

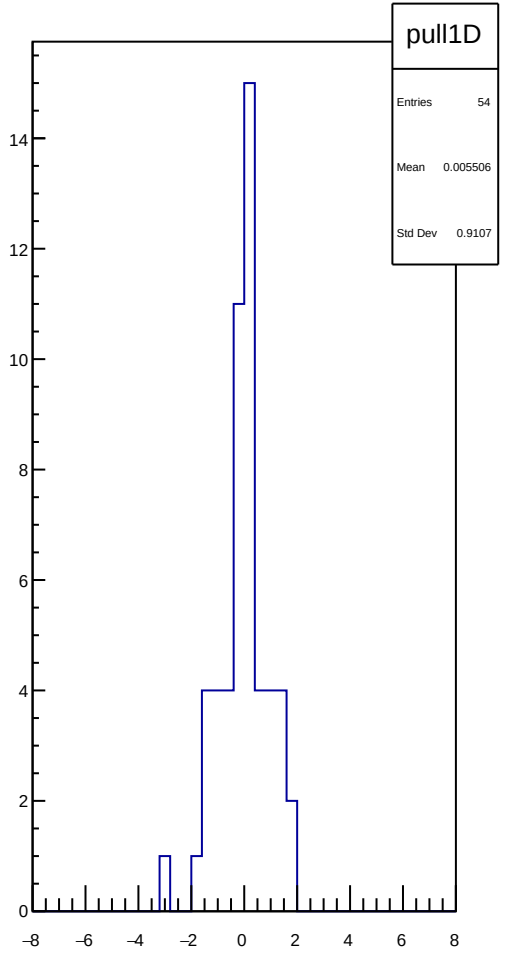

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.899e+04 / 53
p0 95.68 ± 0.09368
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

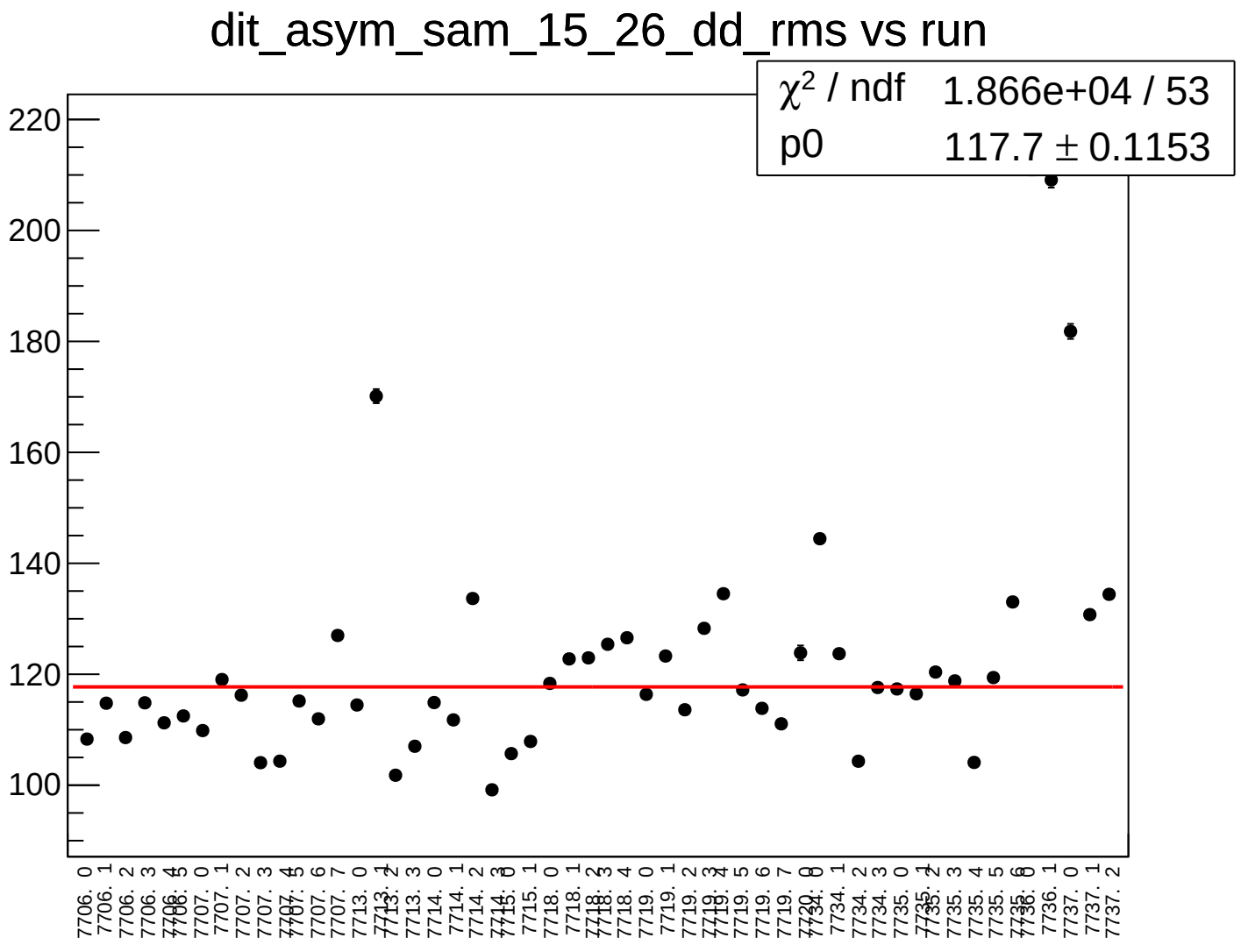

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 36.26 / 53
p0 120.1± 1120
pull
Entries 54
Mean −763.2
Std Dev 0

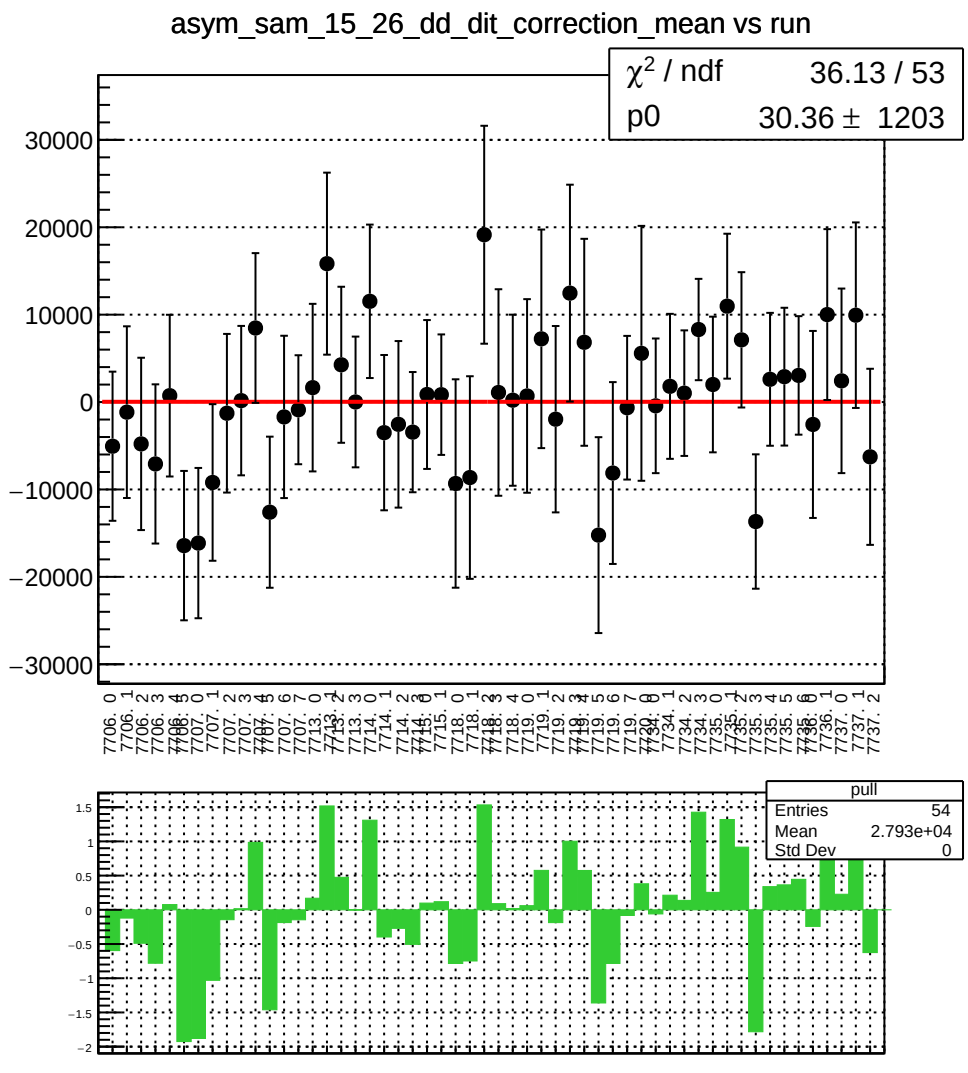

pull1D
Entries 54
Mean −0.005102
Std Dev 0.8194

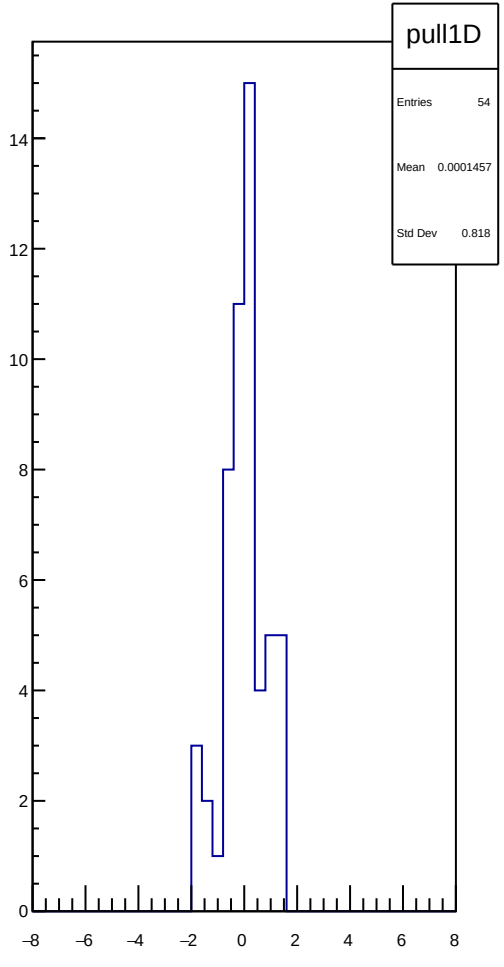

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.77e+04 / 53
p0 805.3 ± 0.7918
1200
1100
1000
900
800
700
600

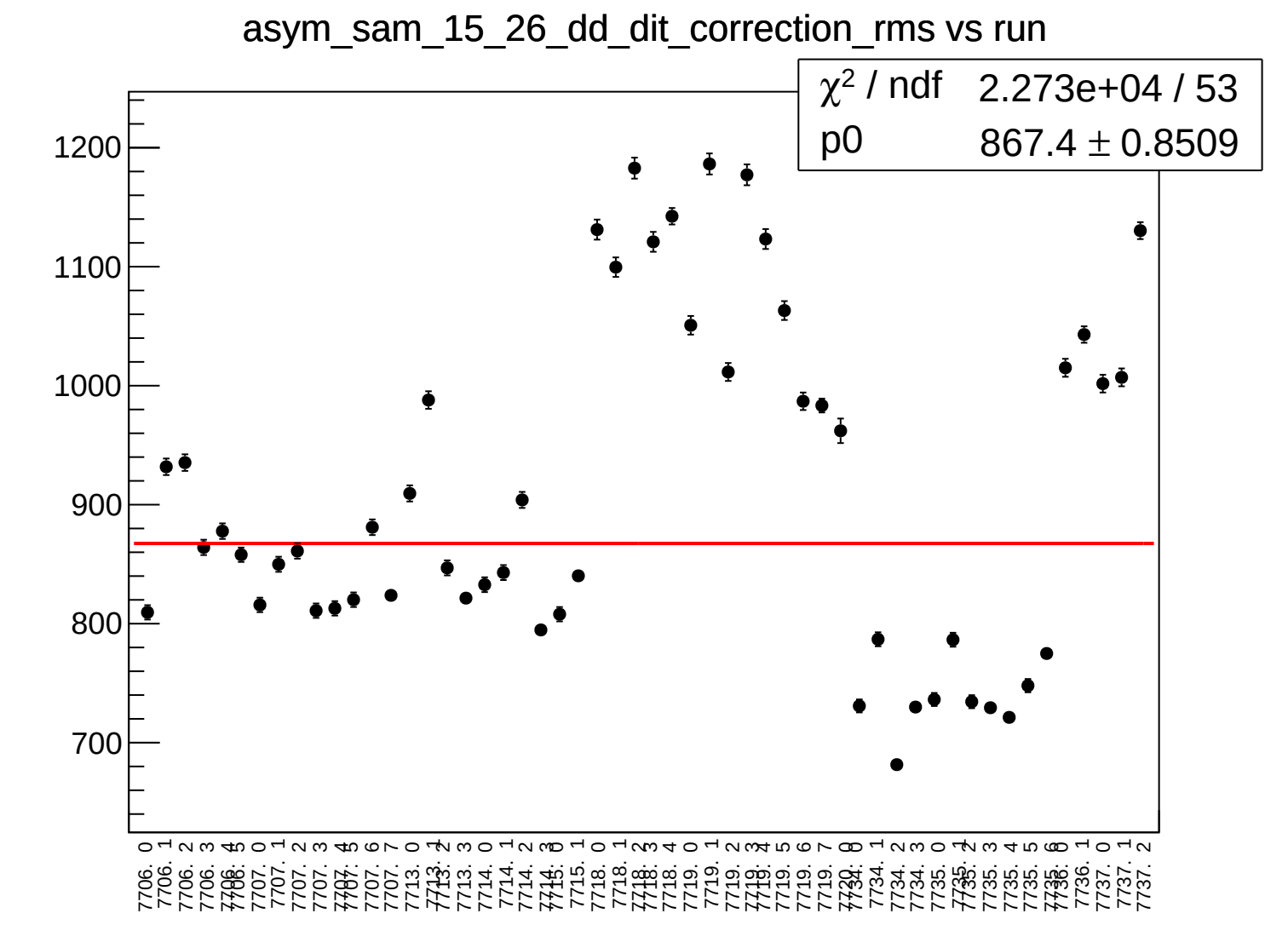

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 44.78 / 53
p0 −69.11 ± 163
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −57.32
Std Dev 8.352
2
1
0
−1
−2
−3

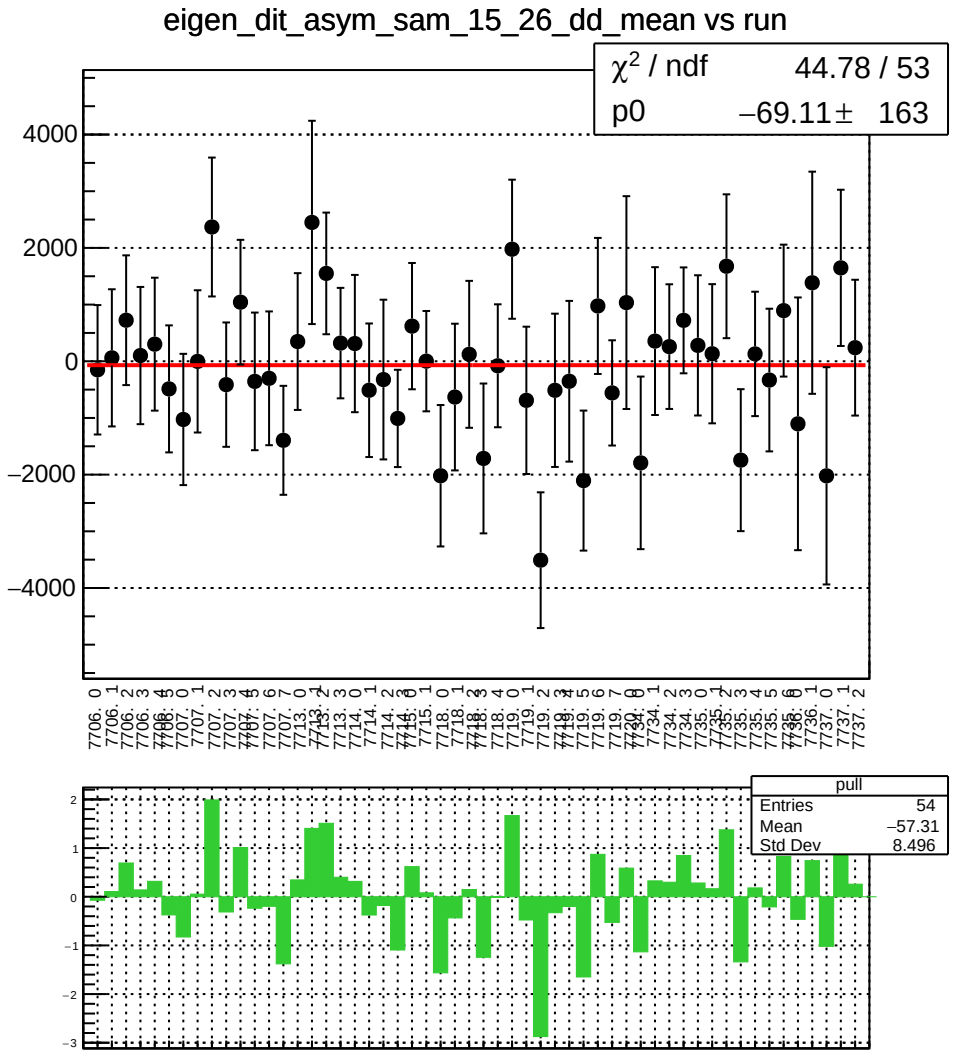

pull1D
Entries 54
Mean 0.005506
Std Dev 0.9107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

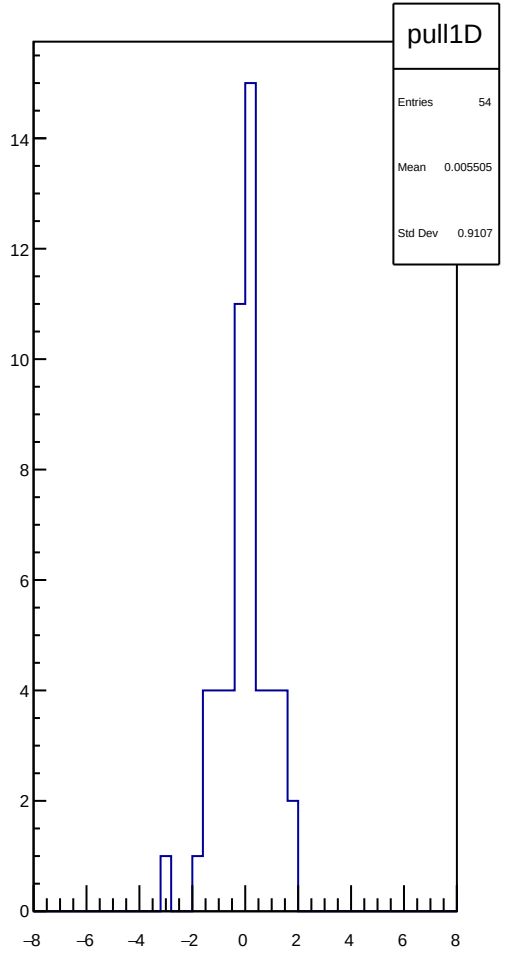

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.866e+04 / 53
p0 117.7 ± 0.1153
220
200
180
160
140
120
100

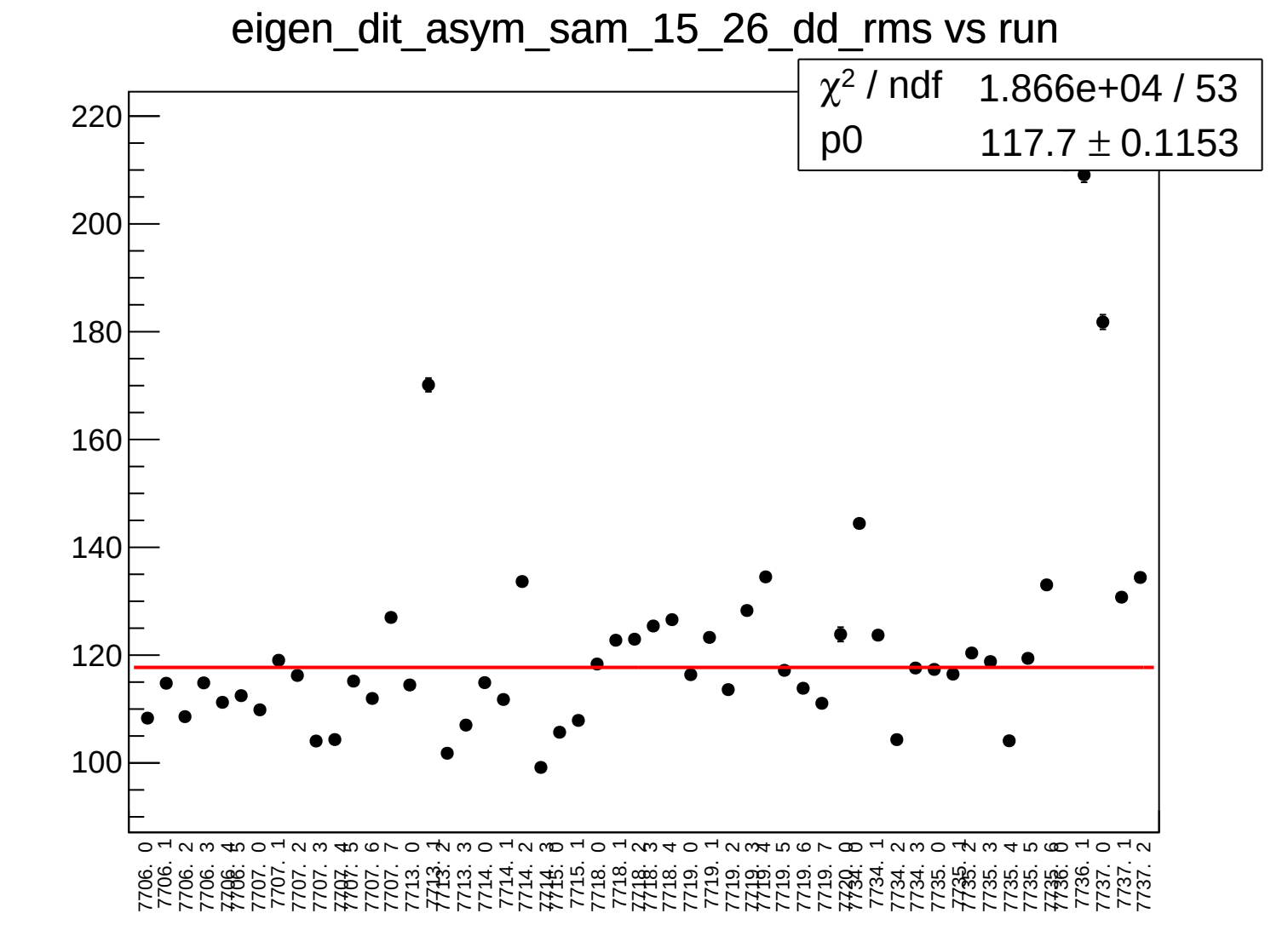

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 36.13 / 53
p0 30.36 ± 1203
pull
Entries 54
Mean 2.793e+04
Std Dev 0


pull1D
Entries 54
Mean 0.0001457
Std Dev 0.818

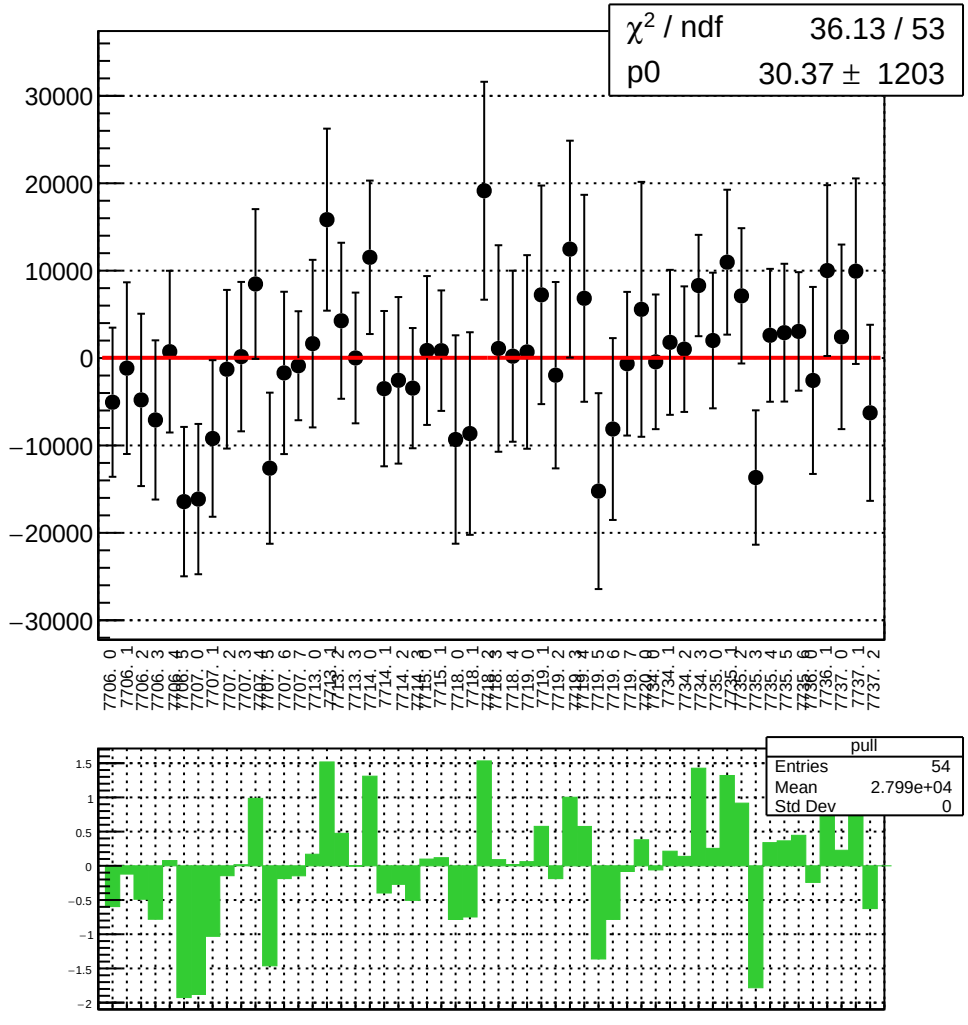

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2.273e+04 / 53
p0 867.4 ± 0.8509
1200
1100
1000
900
800
700

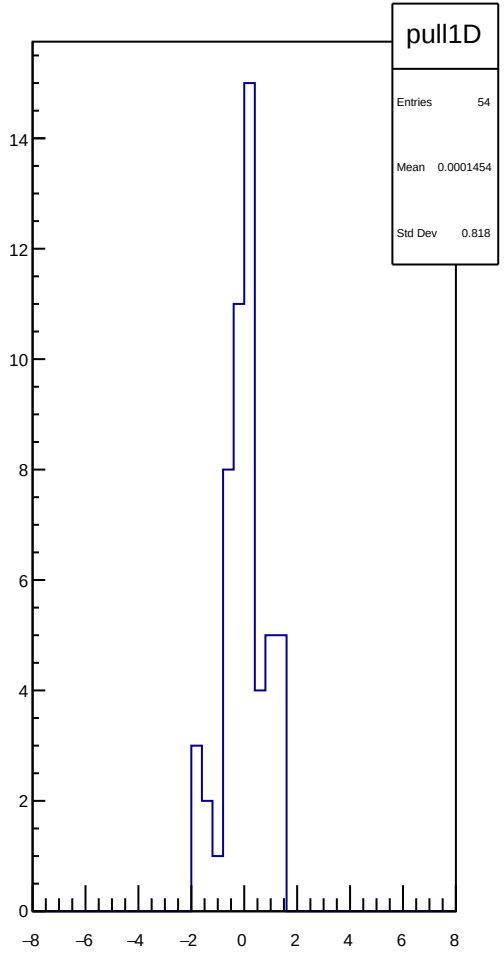

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 44.78 / 53
p0 −69.11± 163
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −57.31
Std Dev 8.496
2
1
0
−1
−2
−3

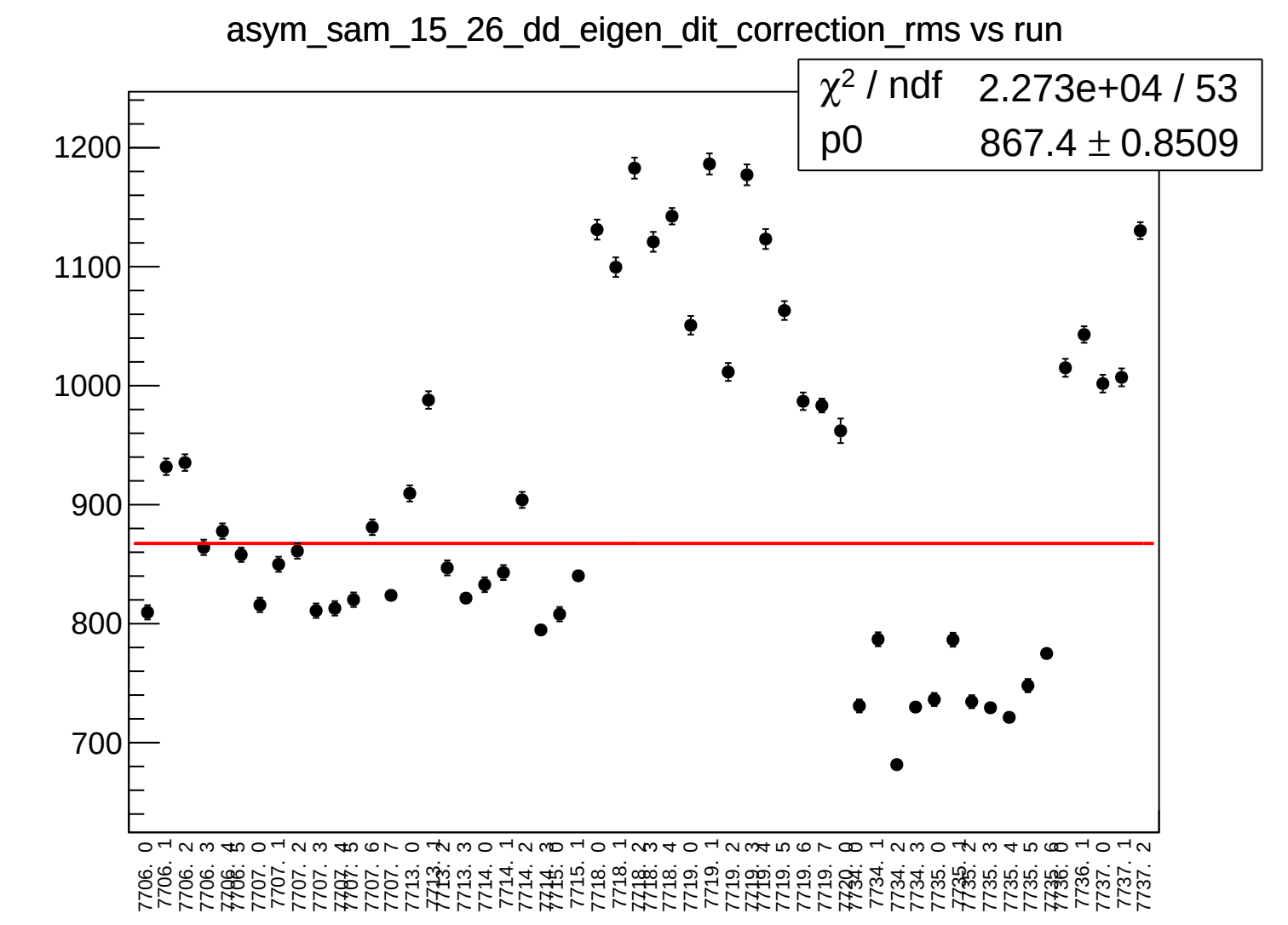

pull1D
Entries 54
Mean 0.005505
Std Dev 0.9107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

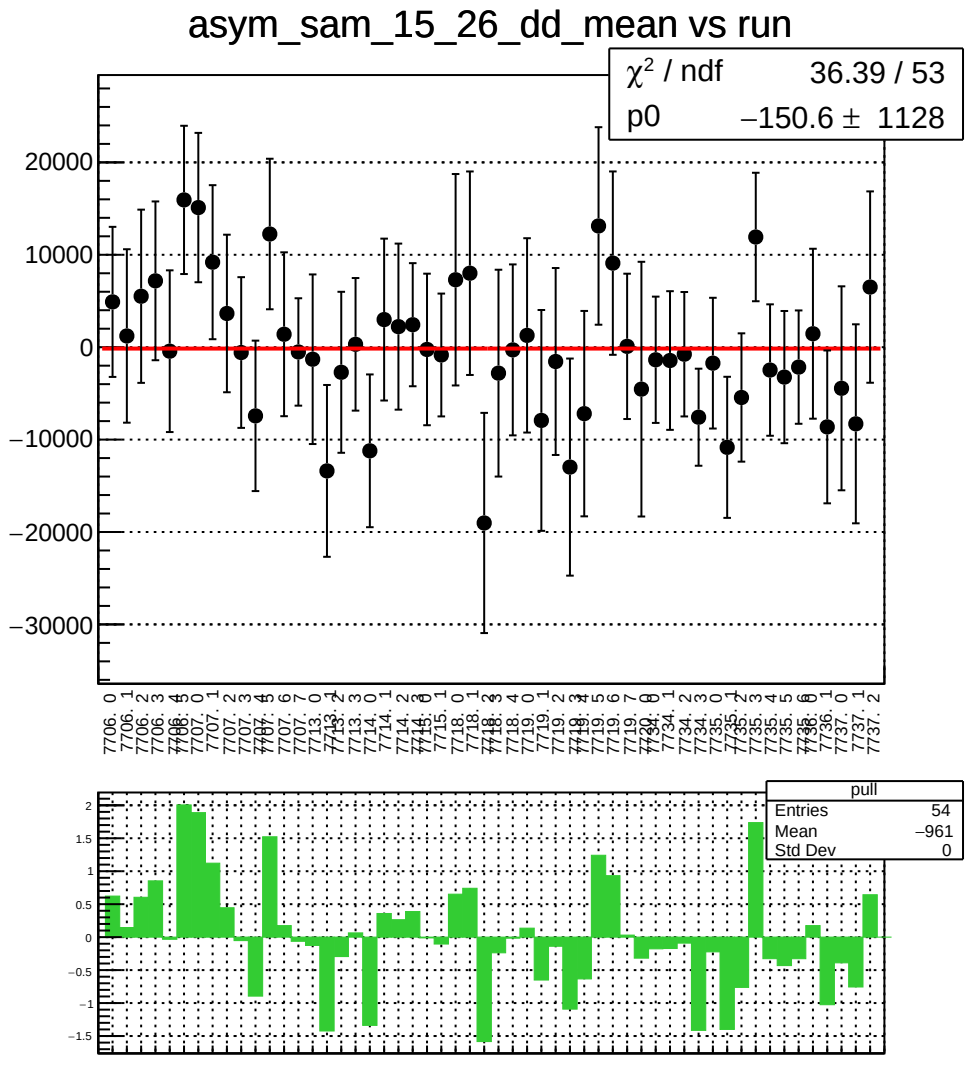

eigen_dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.866e+04 / 53
p0 117.7 ± 0.1153
220
200
180
160
140
120
100

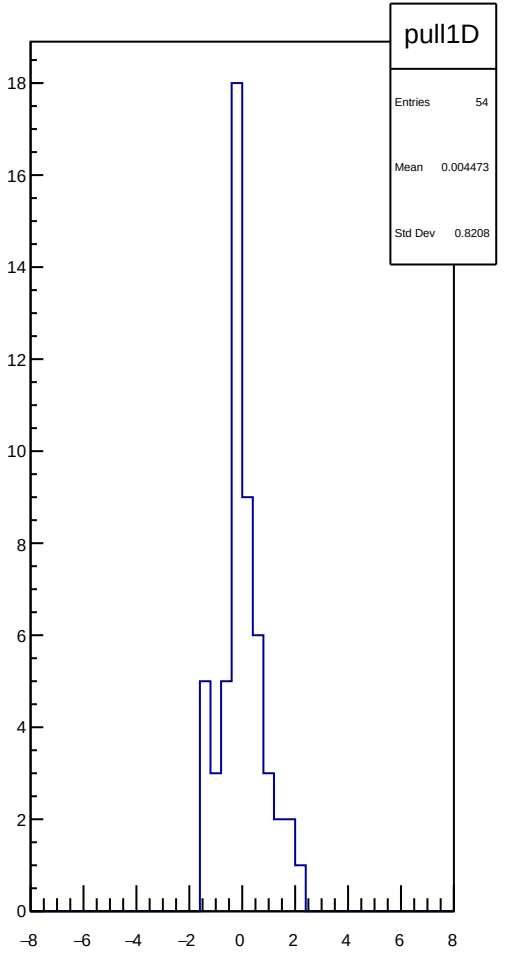
asym_sam_15_26_dd_eigen_dit_correction_mean vs run

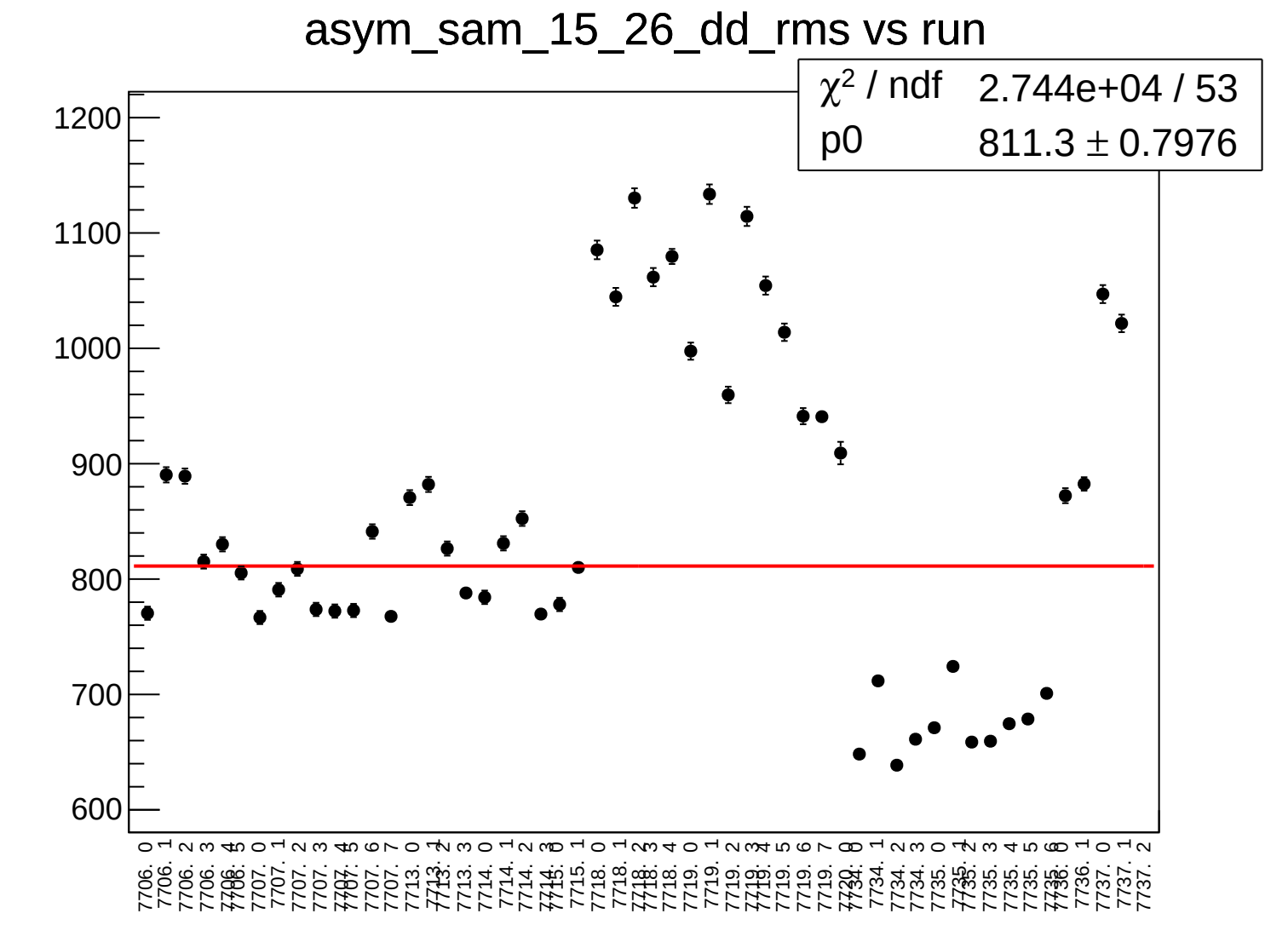


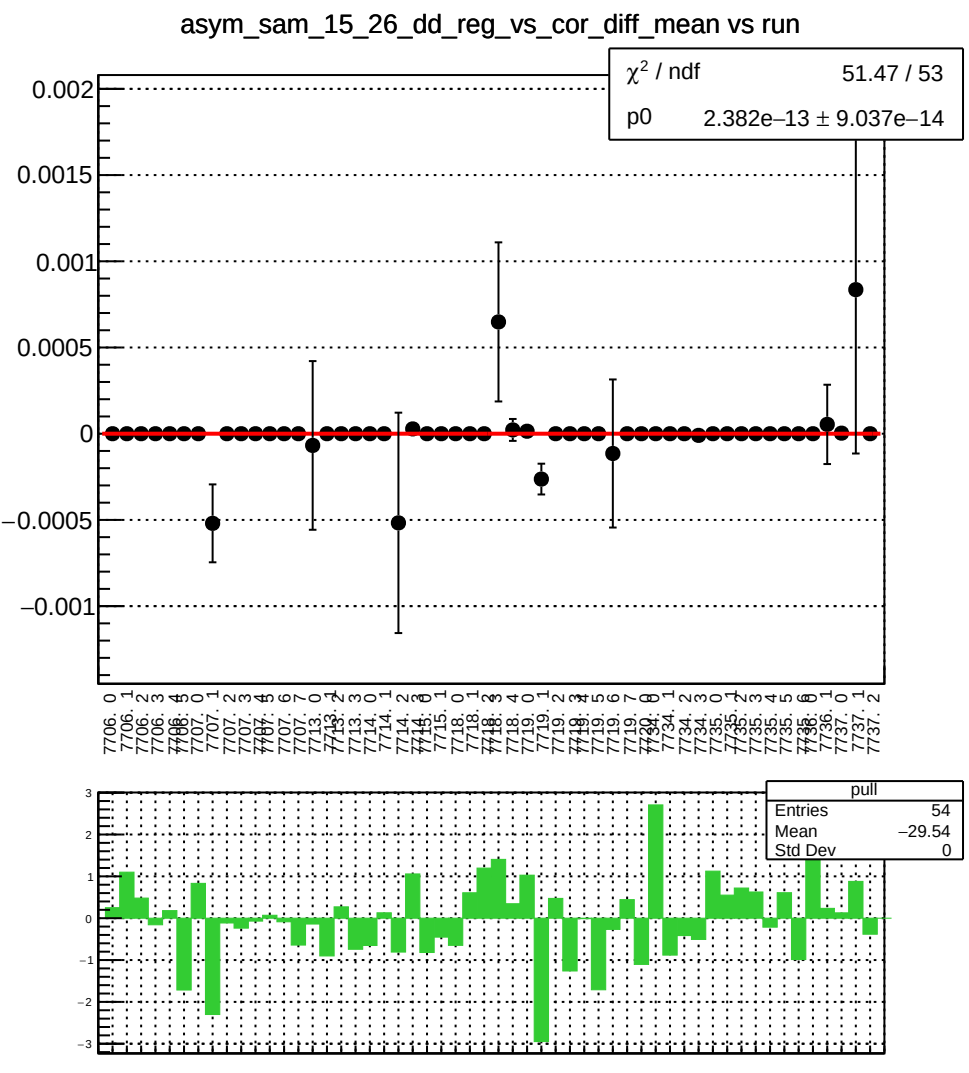


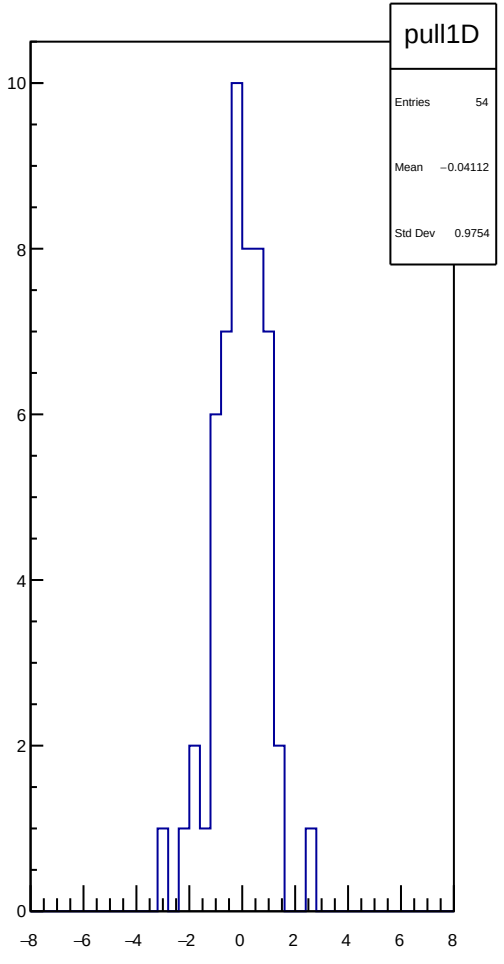

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.273e+04 / 53
p0 867.4 ± 0.8509
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

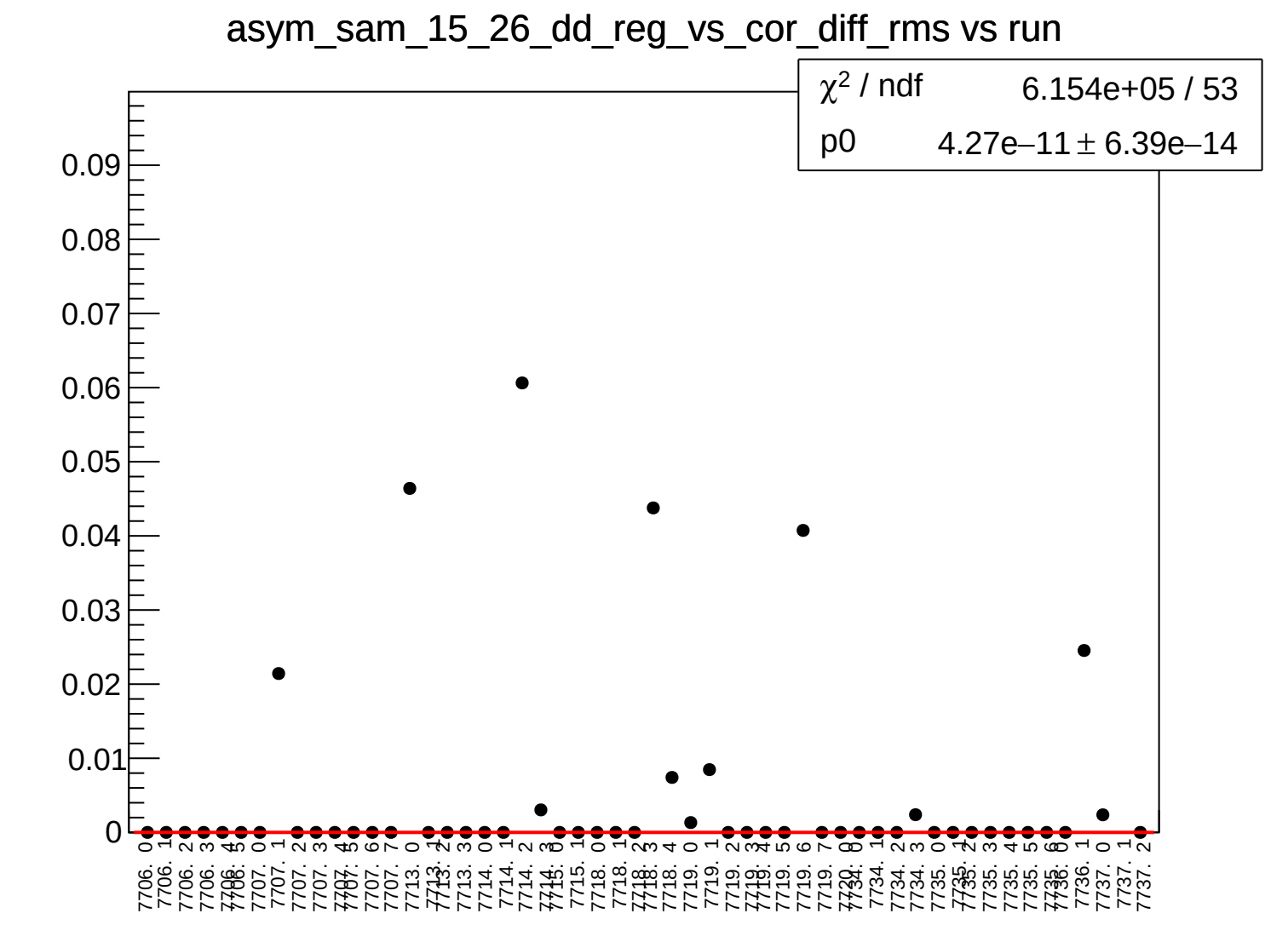

asym_sam_15_26_dd_mean vs run
χ² / ndf 36.39 / 53
p0 −150.6 ± 1128
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −961
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.004473
Std Dev 0.8208
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

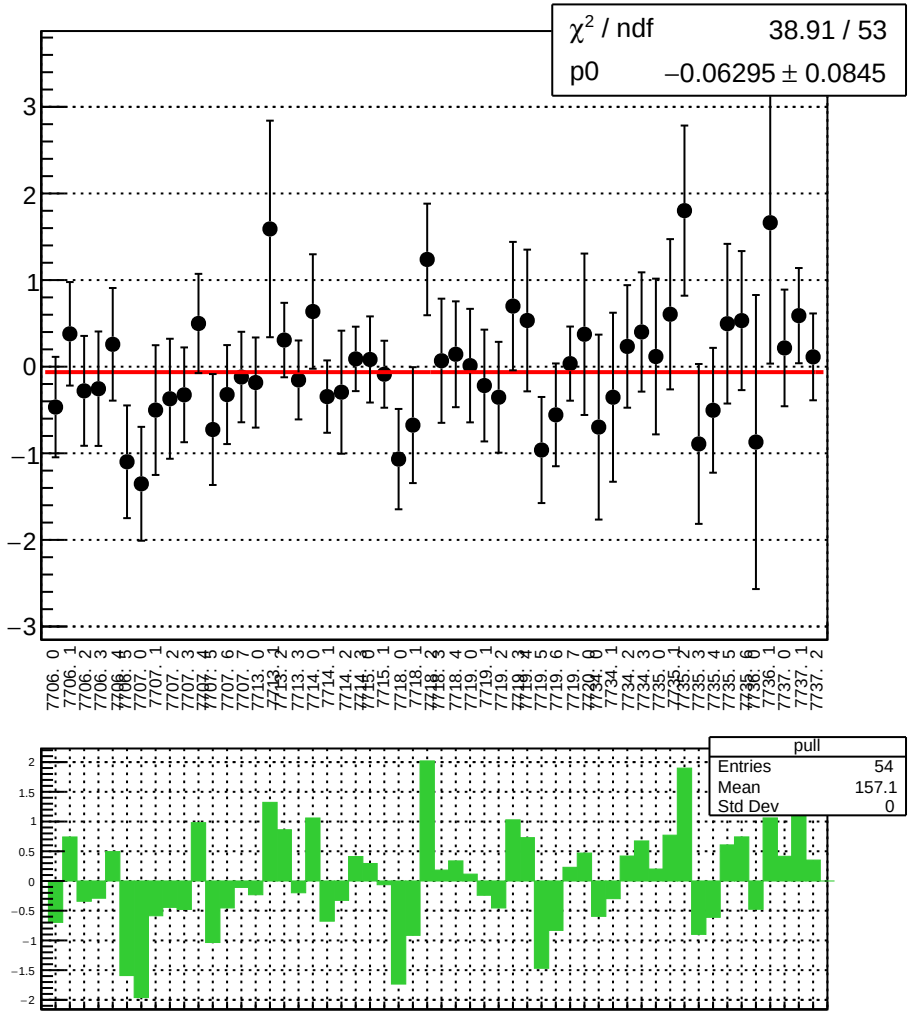

asym_sam_15_26_dd_rms vs run
χ² / ndf 2.744e+04 / 53
p0 811.3 ± 0.7976
1200
1100
1000
900
800
700
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

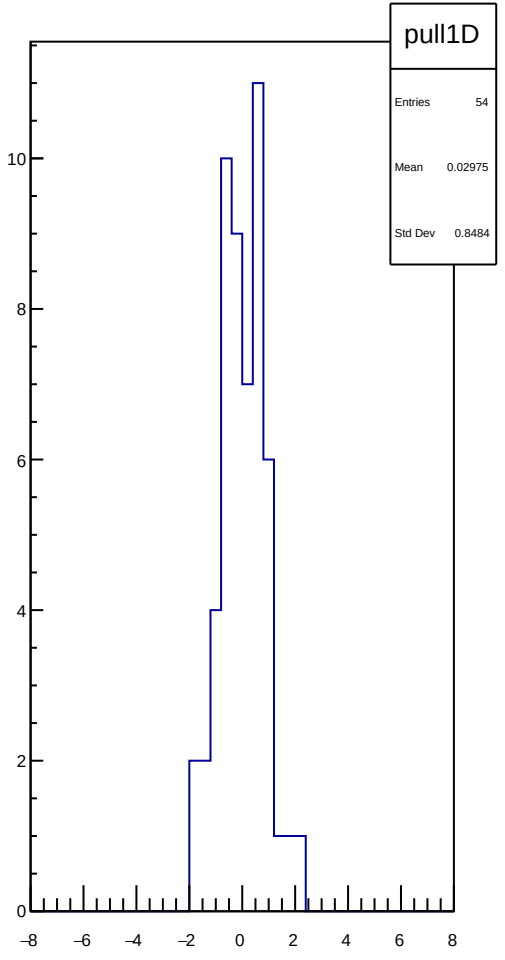

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.47 / 53
p0 2.382e−13 ± 9.037e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −29.54
Std Dev 0
3
2
1
0
−1
−2
−3

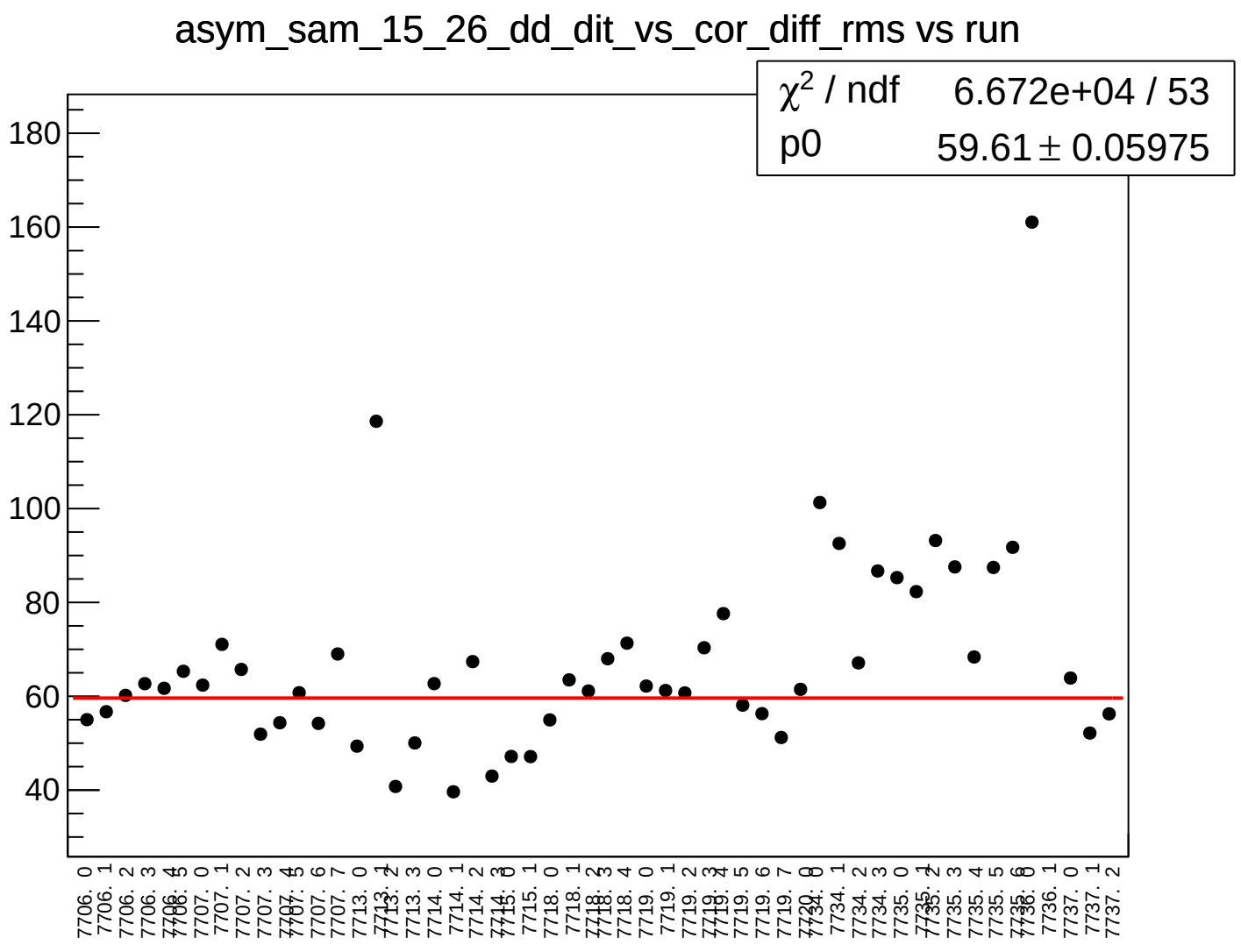

pull1D
Entries 54
Mean −0.04112
Std Dev 0.9754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.154e+05 / 53
p0 4.27e−11 ± 6.39e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

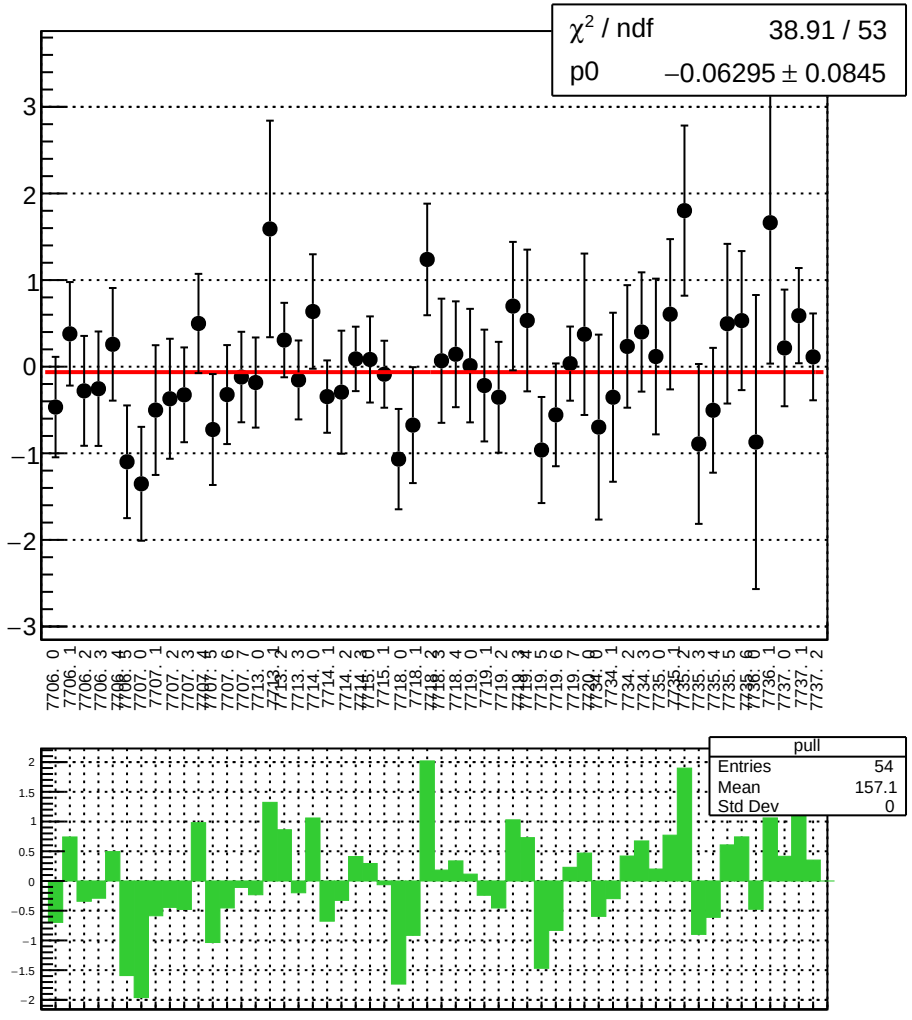
asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run

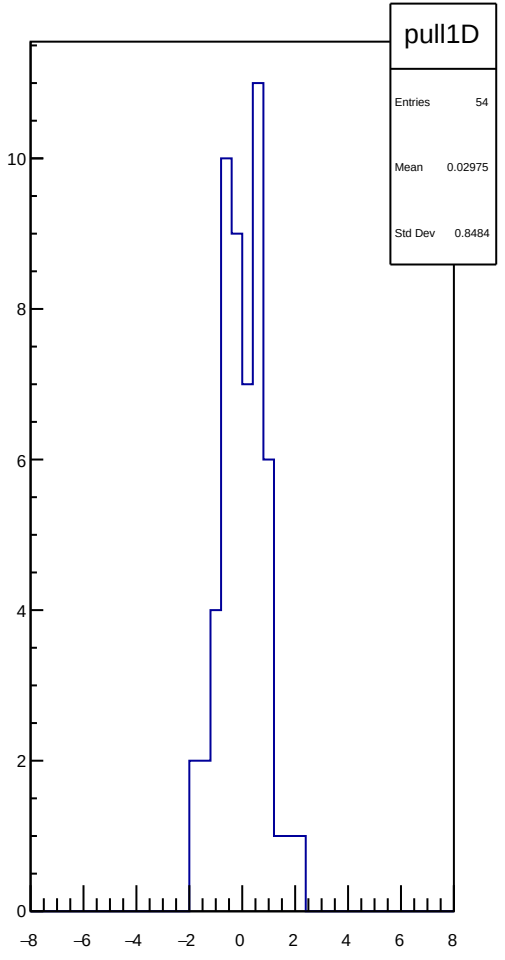


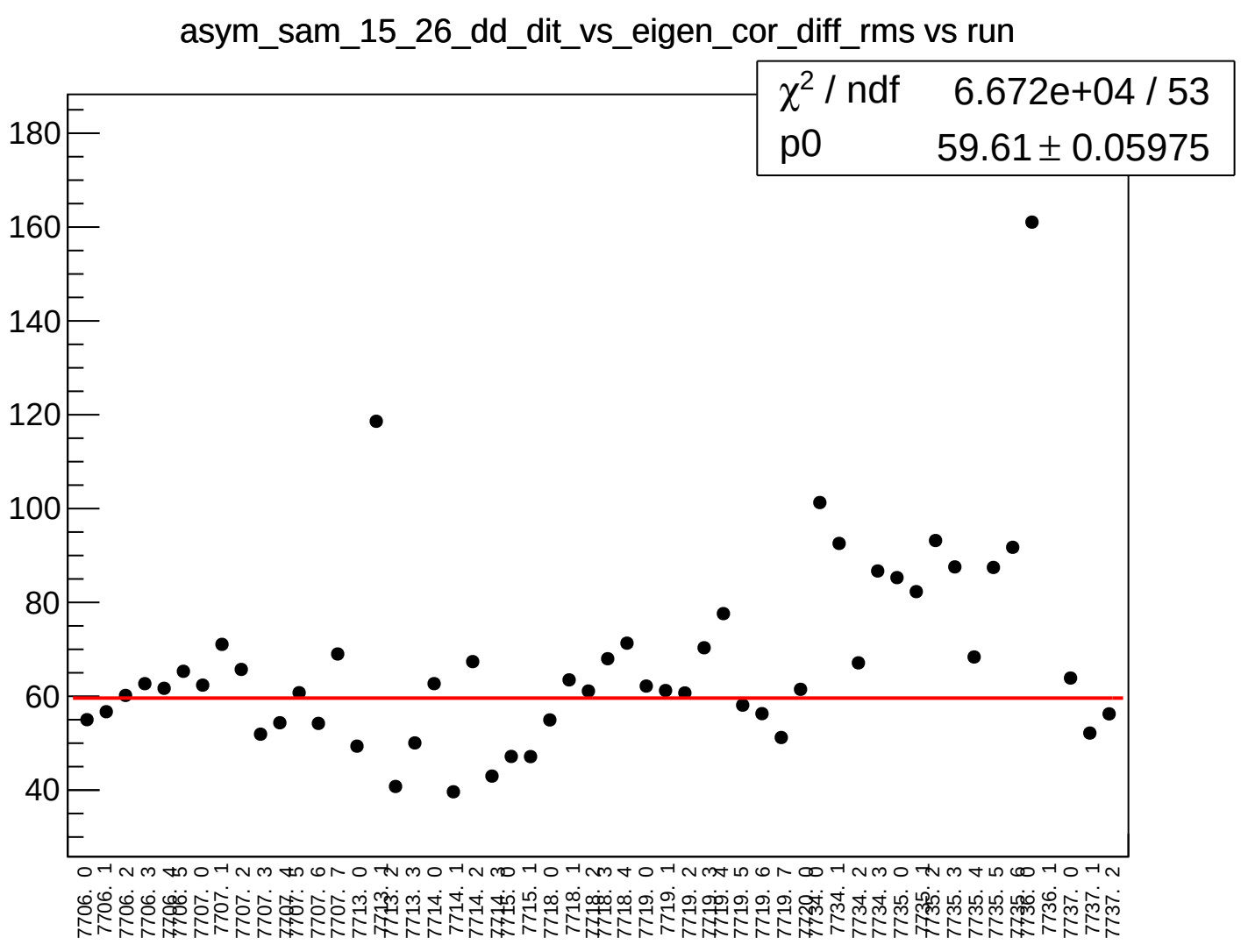


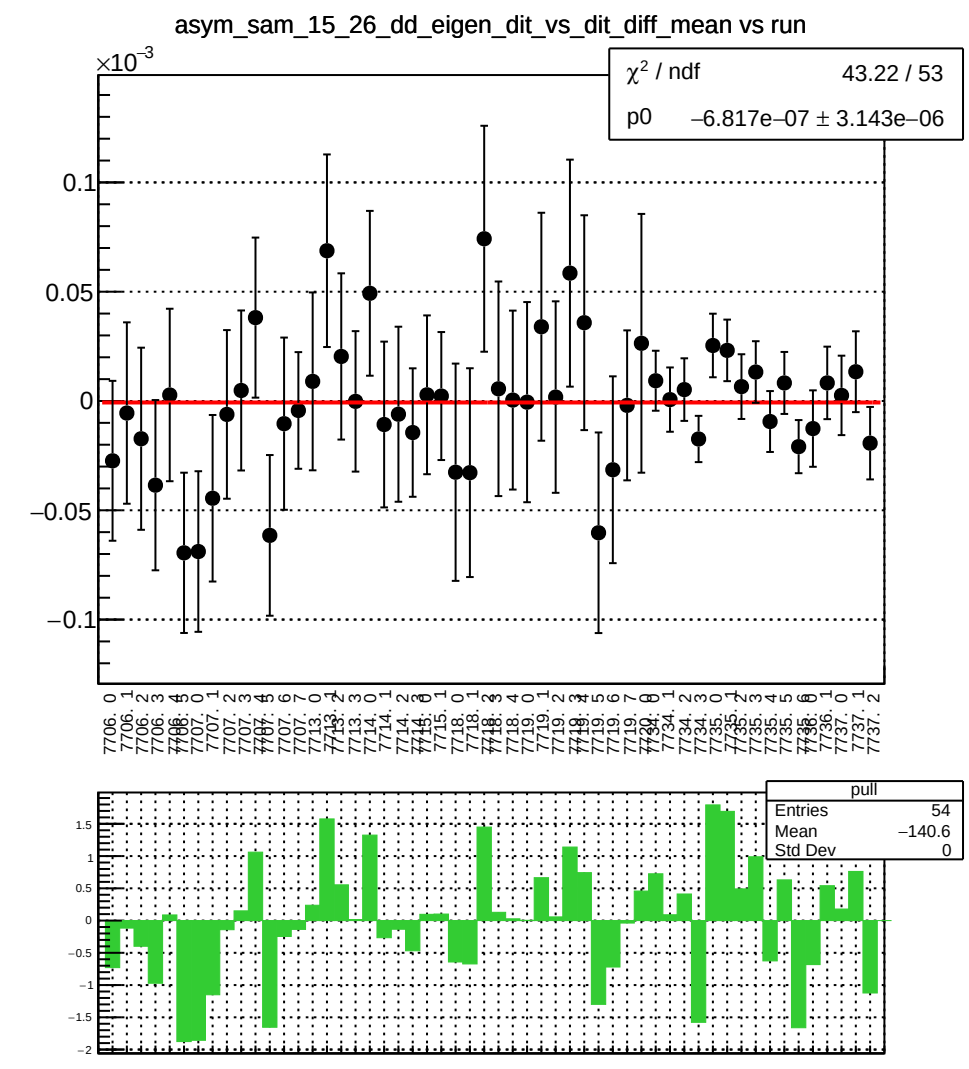

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.672e+04 / 53
p0 59.61 ± 0.05975
180
160
140
120
100
80
60
40

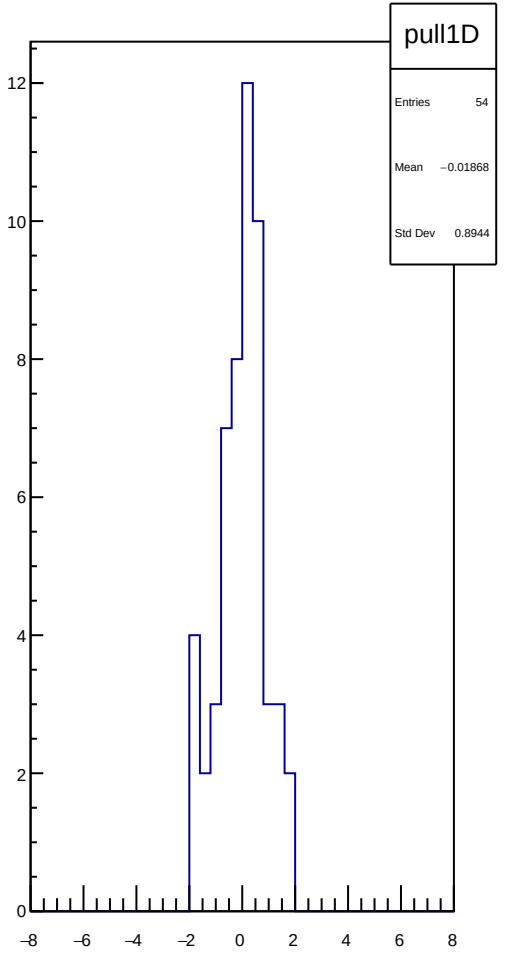
asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run

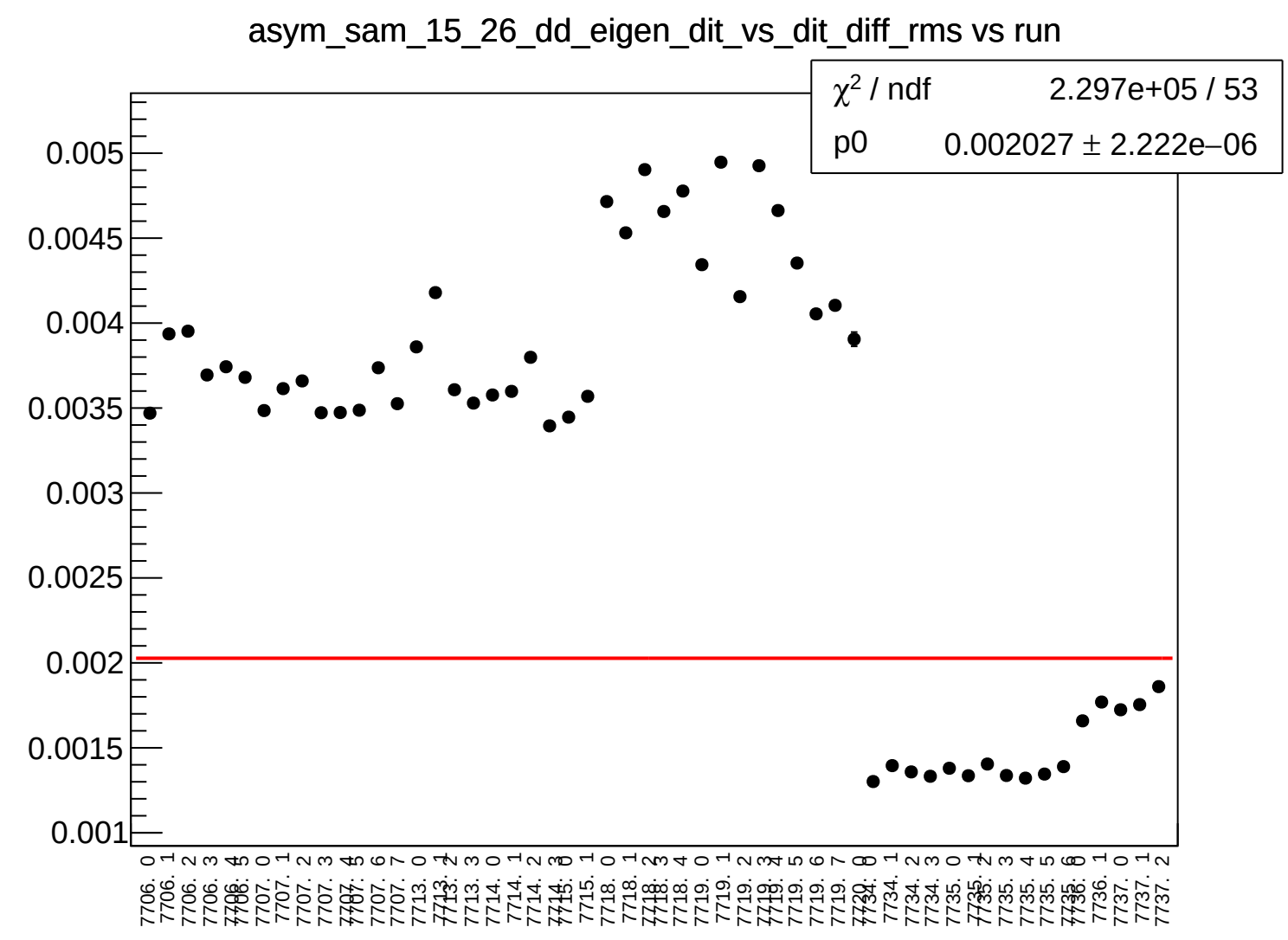




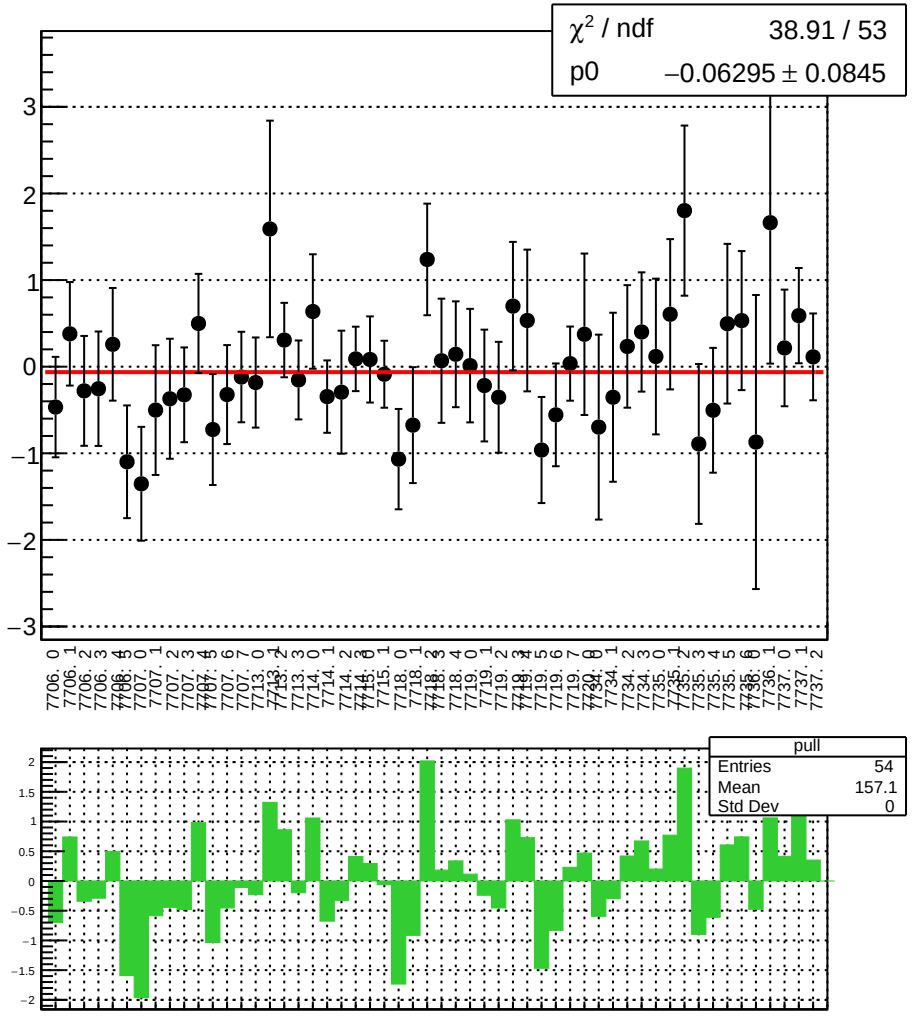

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 6.672e+04 / 53
p0 59.61 ± 0.05975
180
160
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

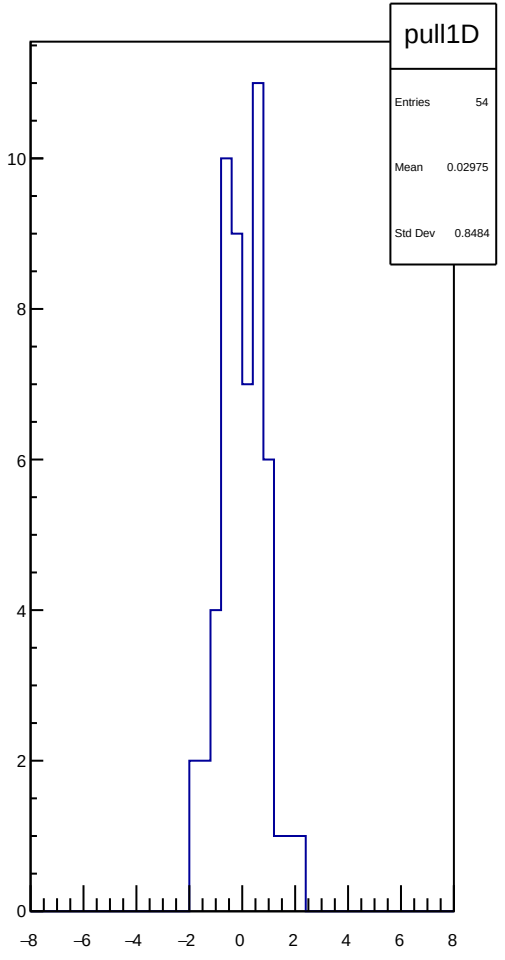

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.22 / 53
p0 −6.817e−07 ± 3.143e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −140.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

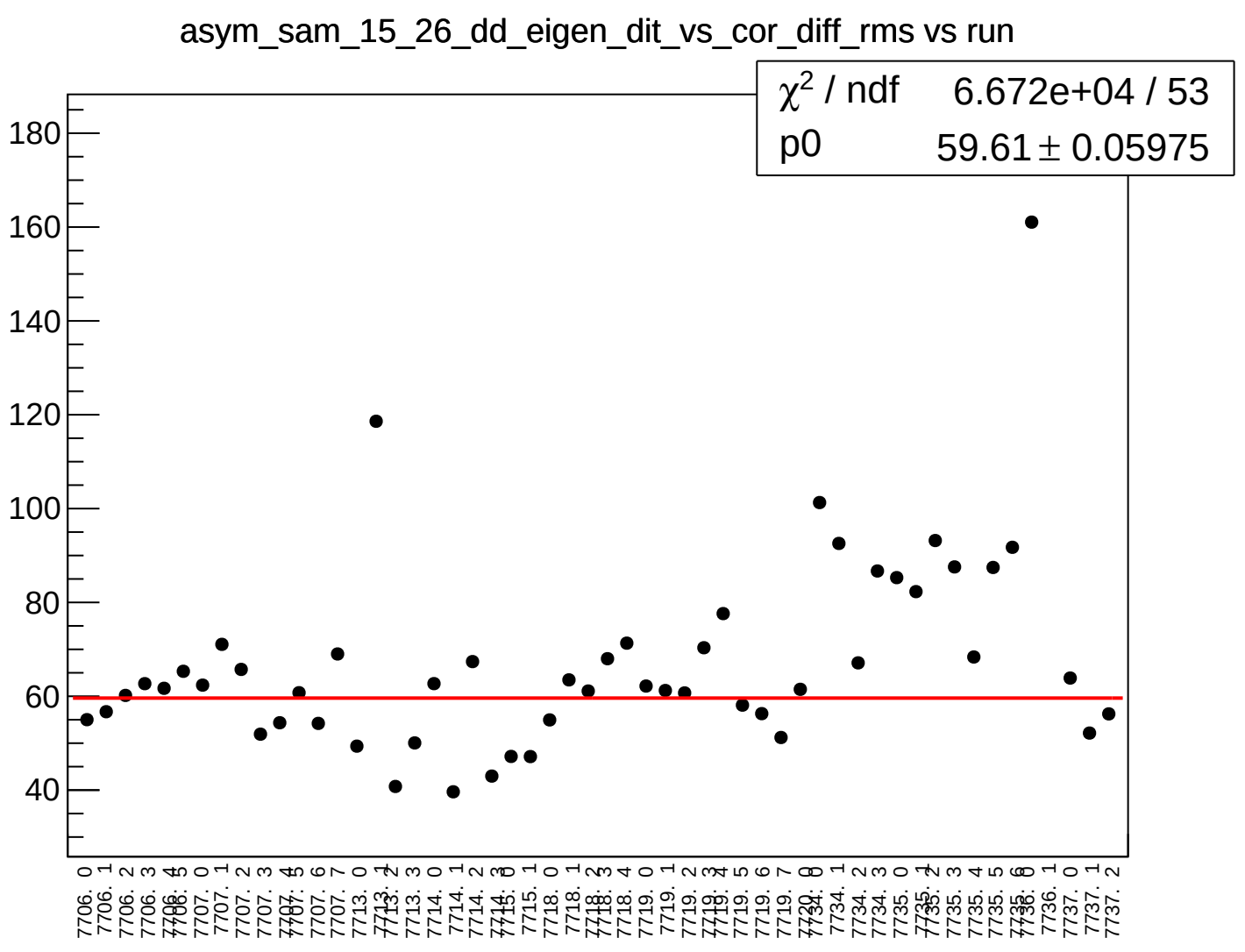

pull1D
Entries 54
Mean −0.01868
Std Dev 0.8944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.297e+05 / 53
p0 0.002027 ± 2.222e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

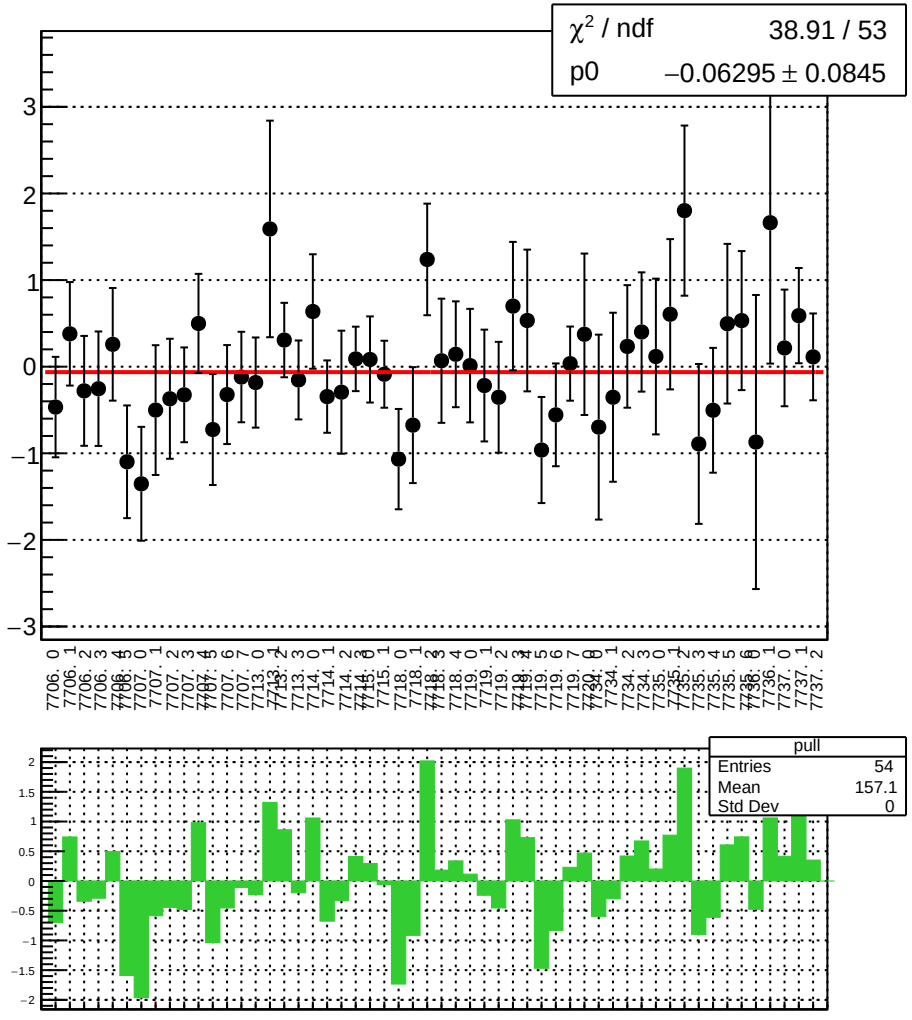
asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run

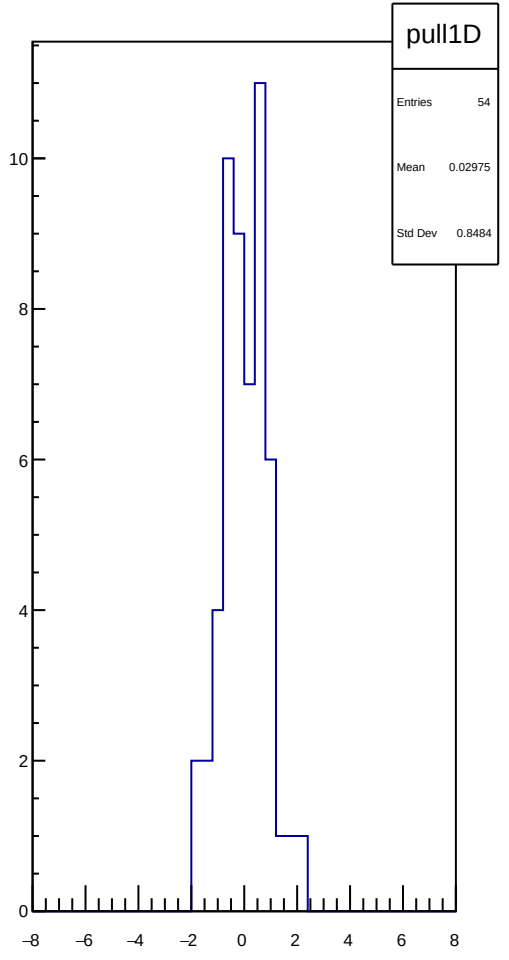


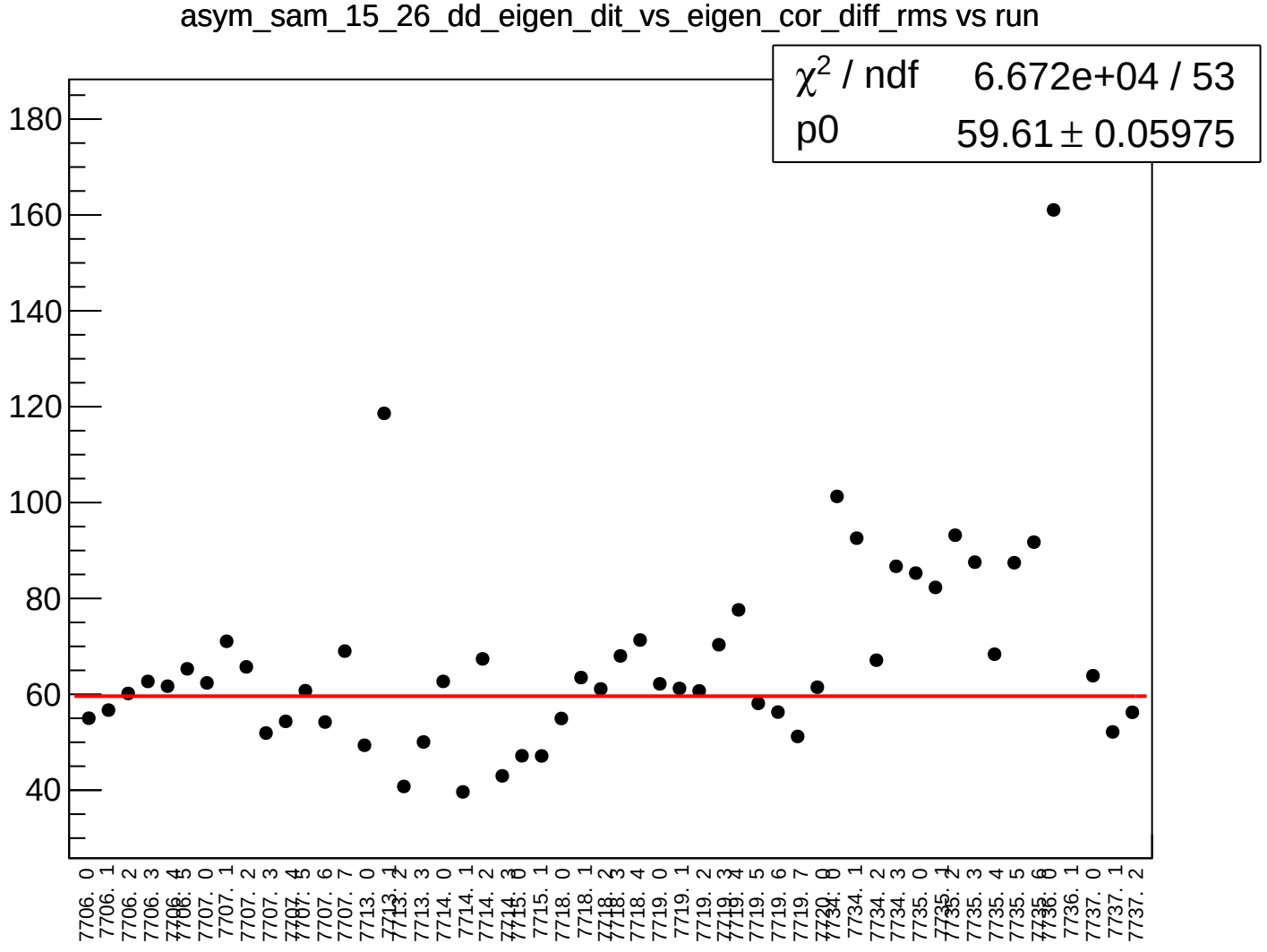


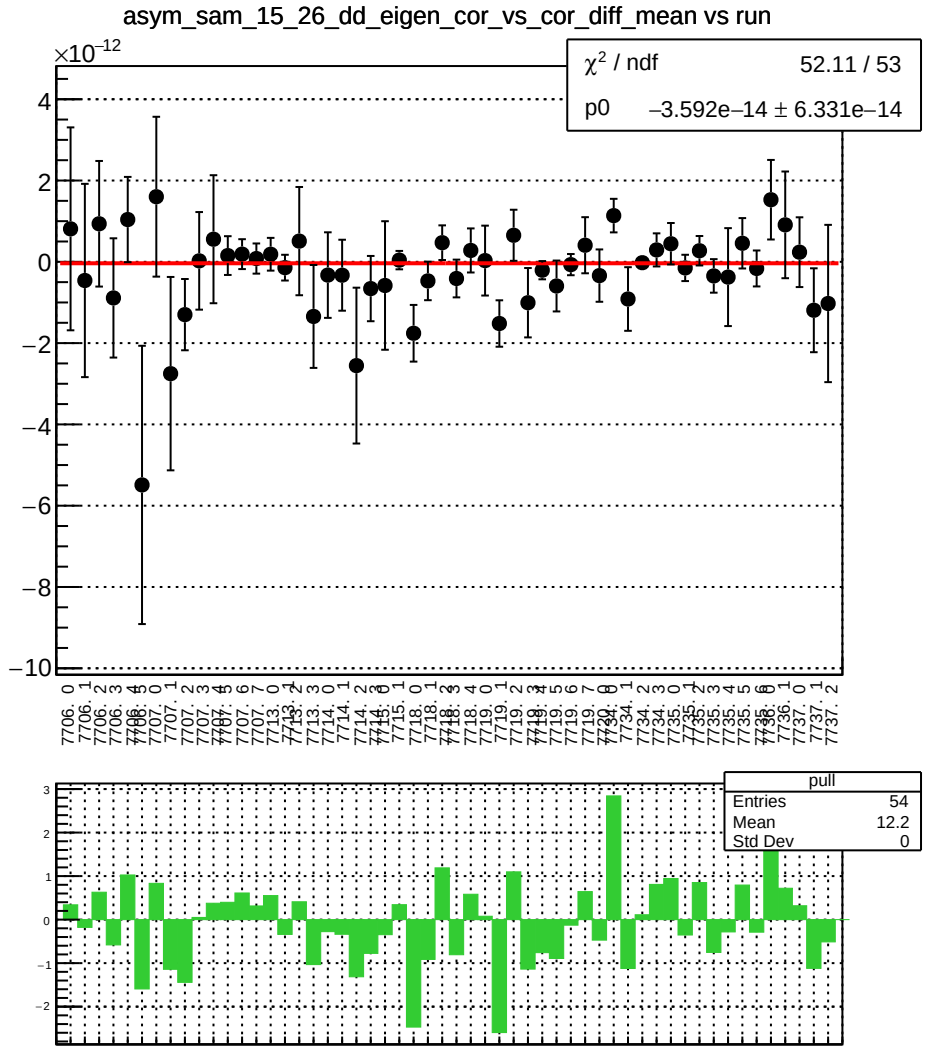

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.672e+04 / 53
p0 59.61 ± 0.05975
180
160
140
120
100
80
60
40

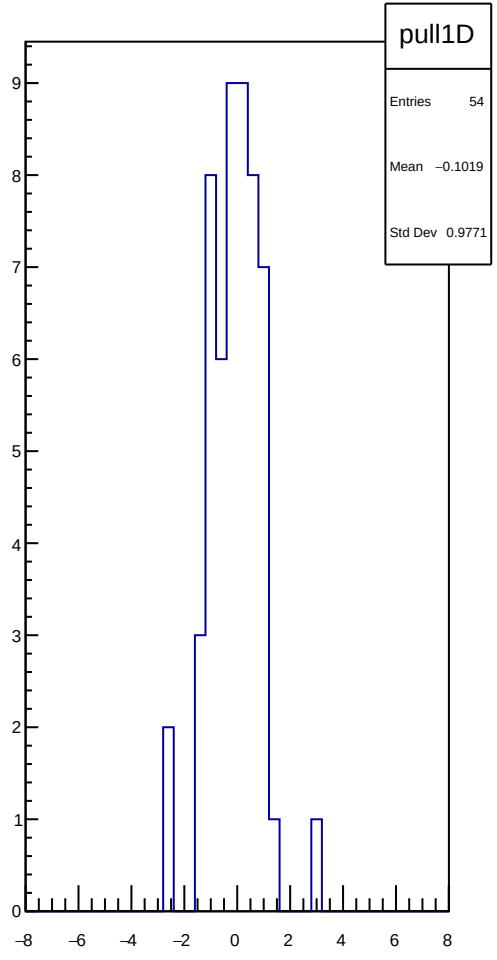
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

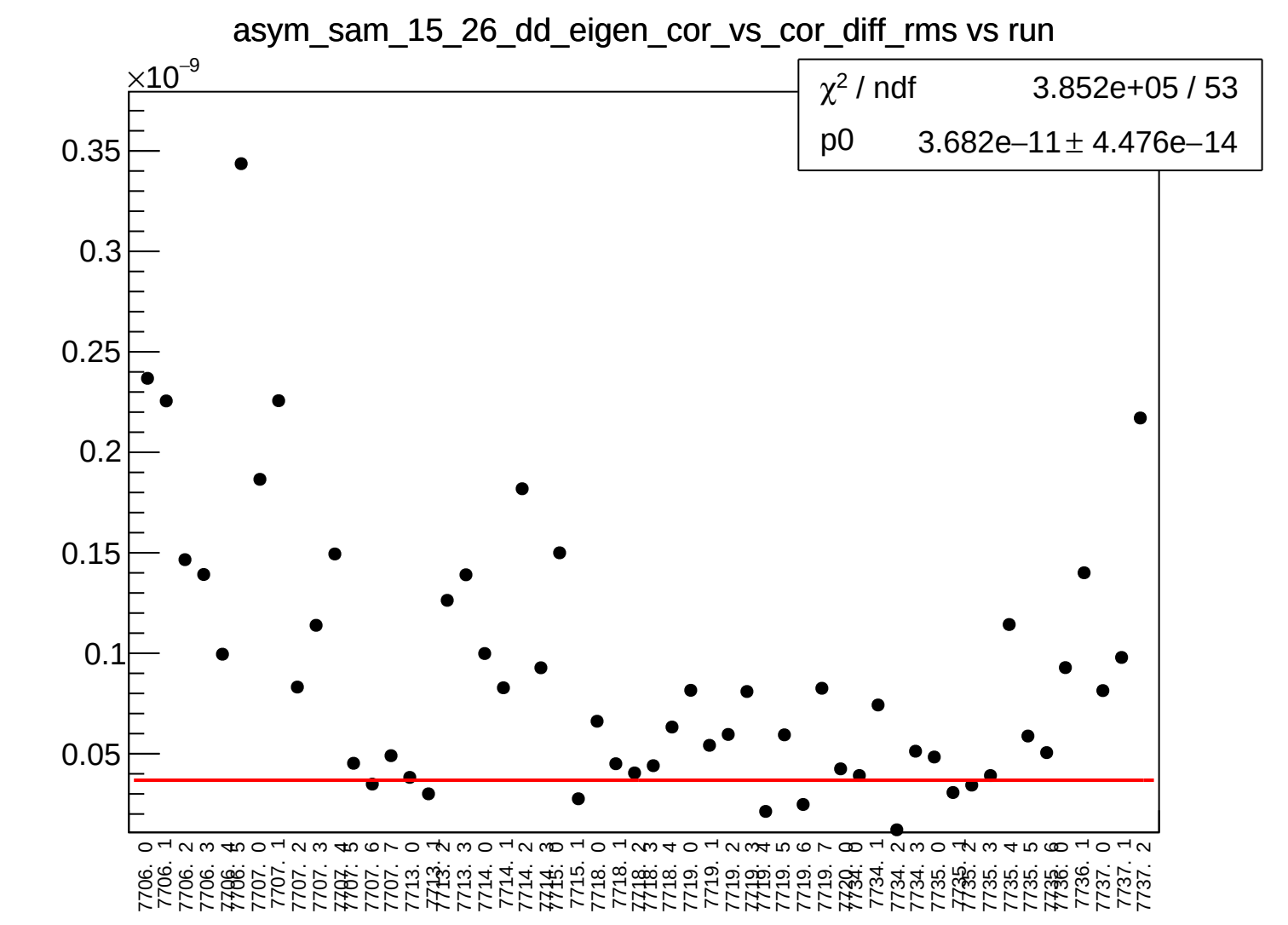


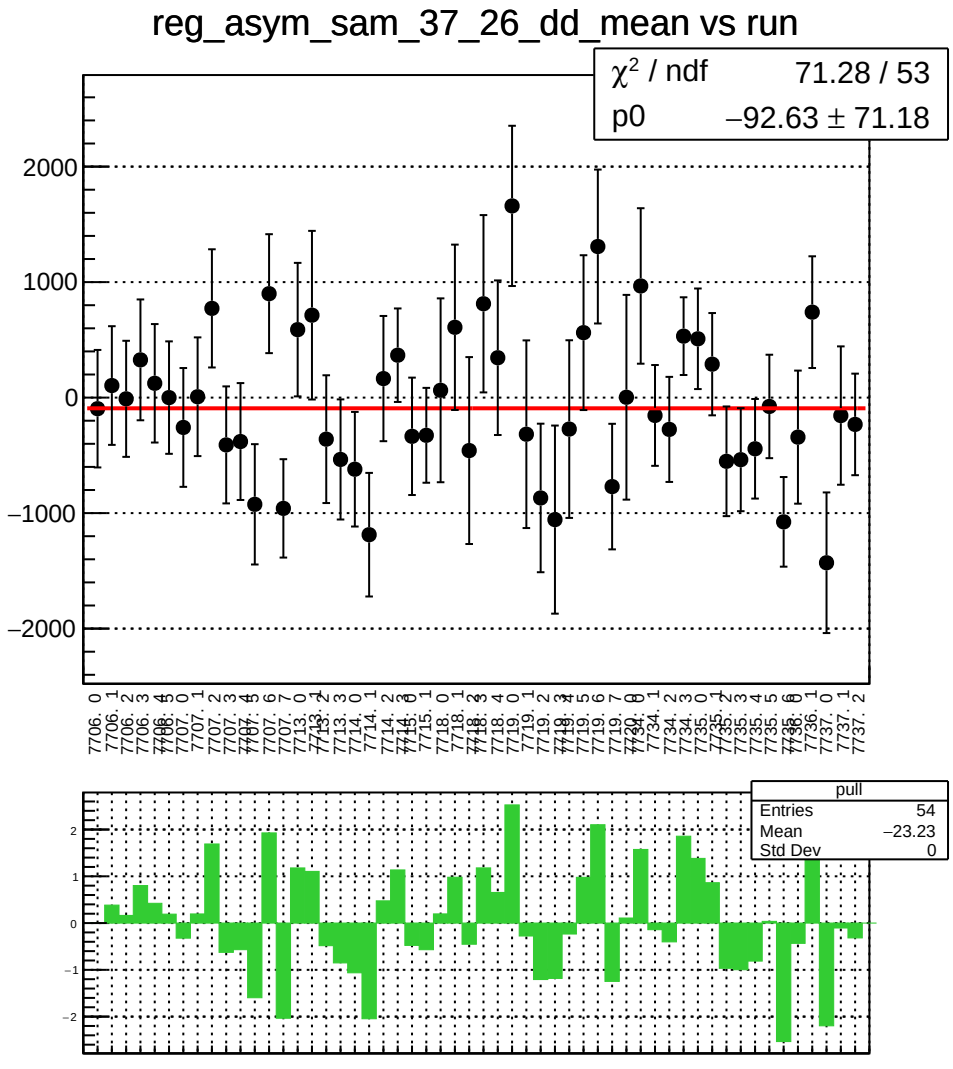


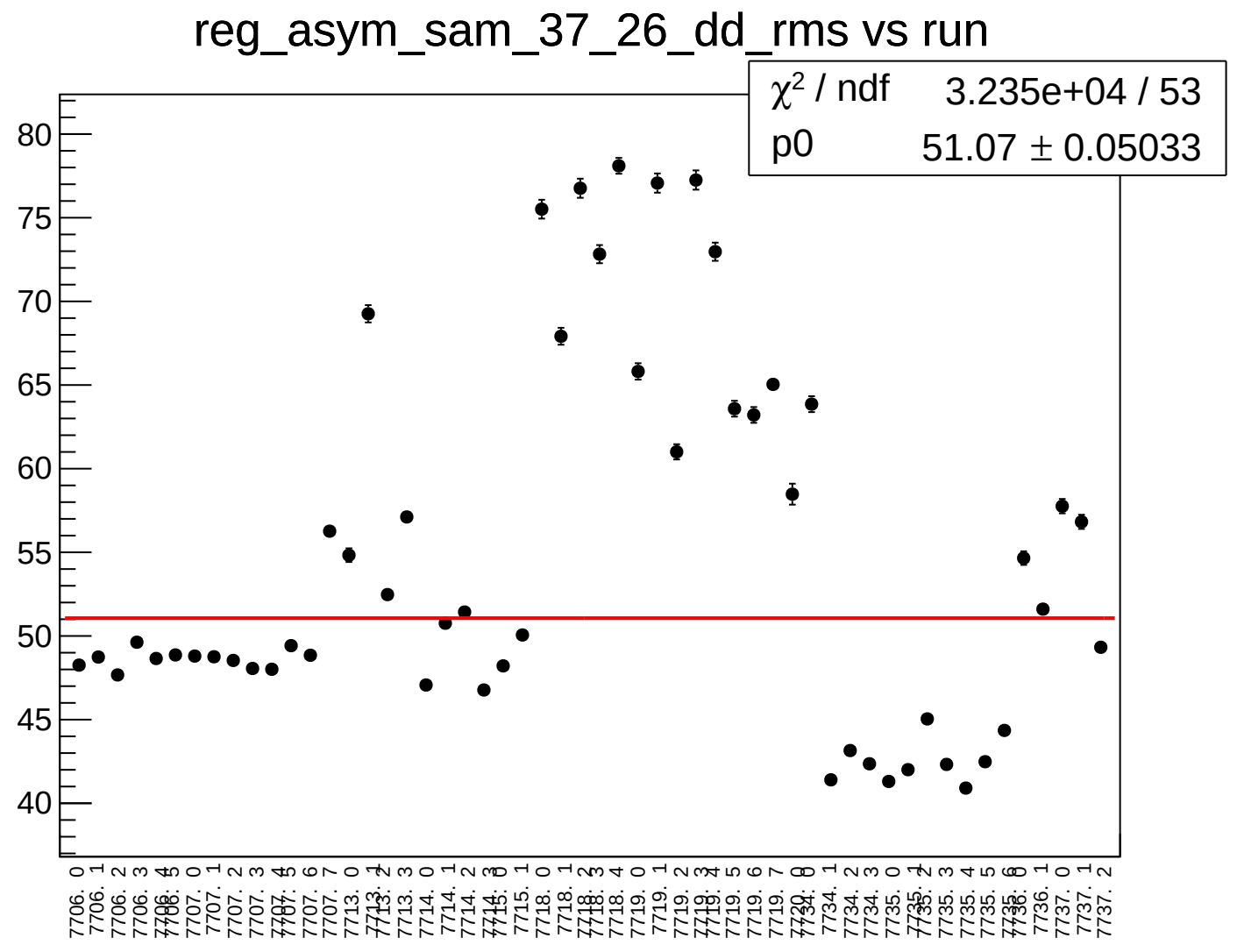

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.672e+04 / 53
p0 59.61 ± 0.05975
180
160
140
120
100
80
60
40

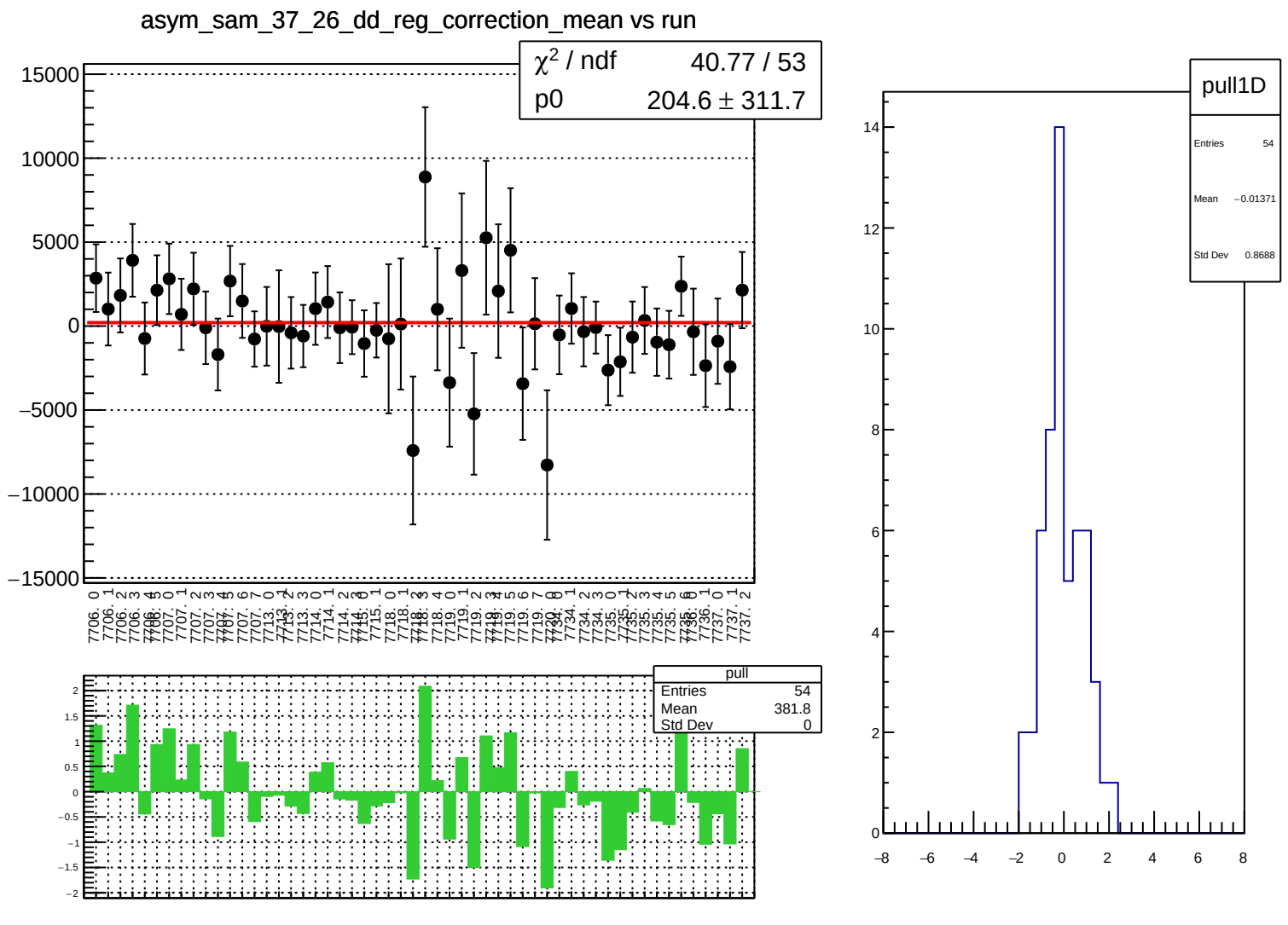

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 52.11 / 53
p0 −3.592e−14 ± 6.331e−14
pull
Entries 54
Mean 12.2
Std Dev 0

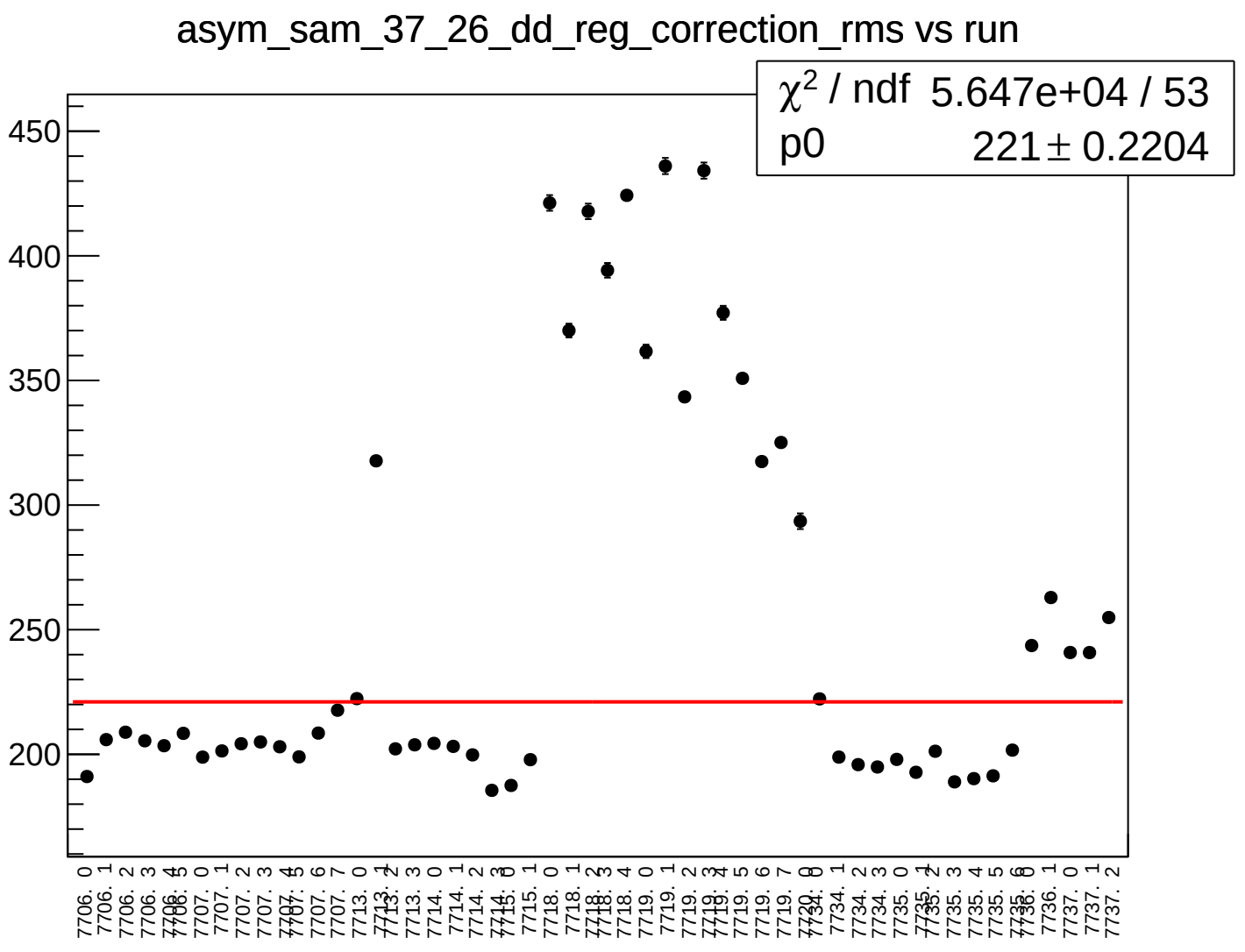

pull1D
Entries 54
Mean −0.1019
Std Dev 0.9771

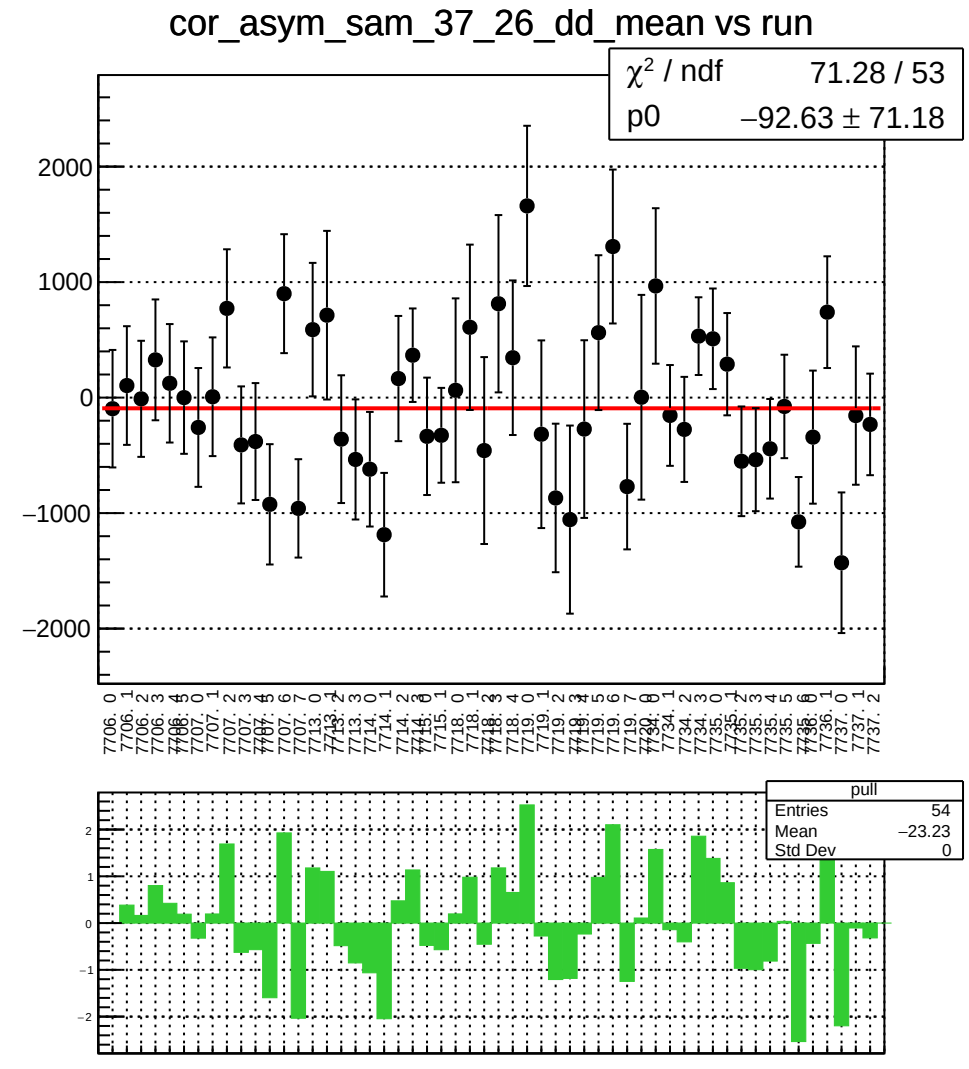

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.852e+05 / 53
p0 3.682e−11 ± 4.476e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

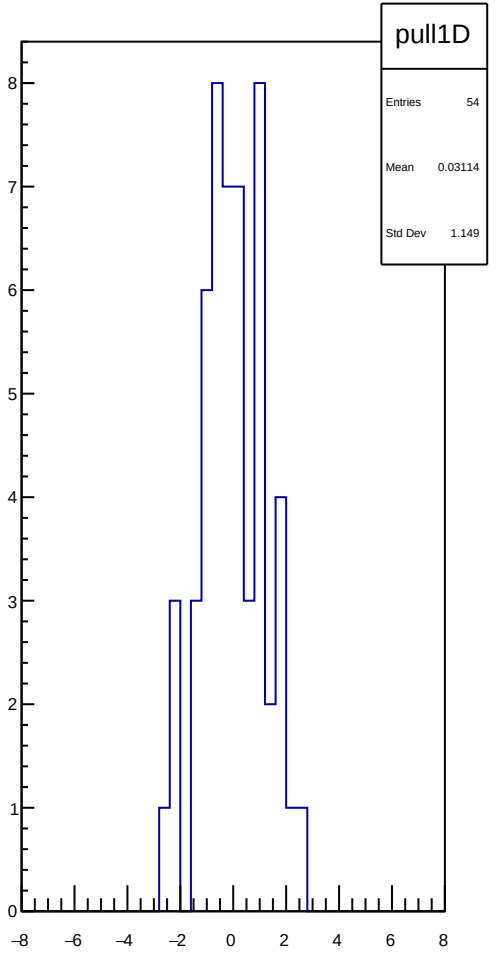

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 71.28 / 53
p0 −92.63 ± 71.18
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −23.23
Std Dev 0
pull1D
Entries 54
Mean 0.03114
Std Dev 1.149

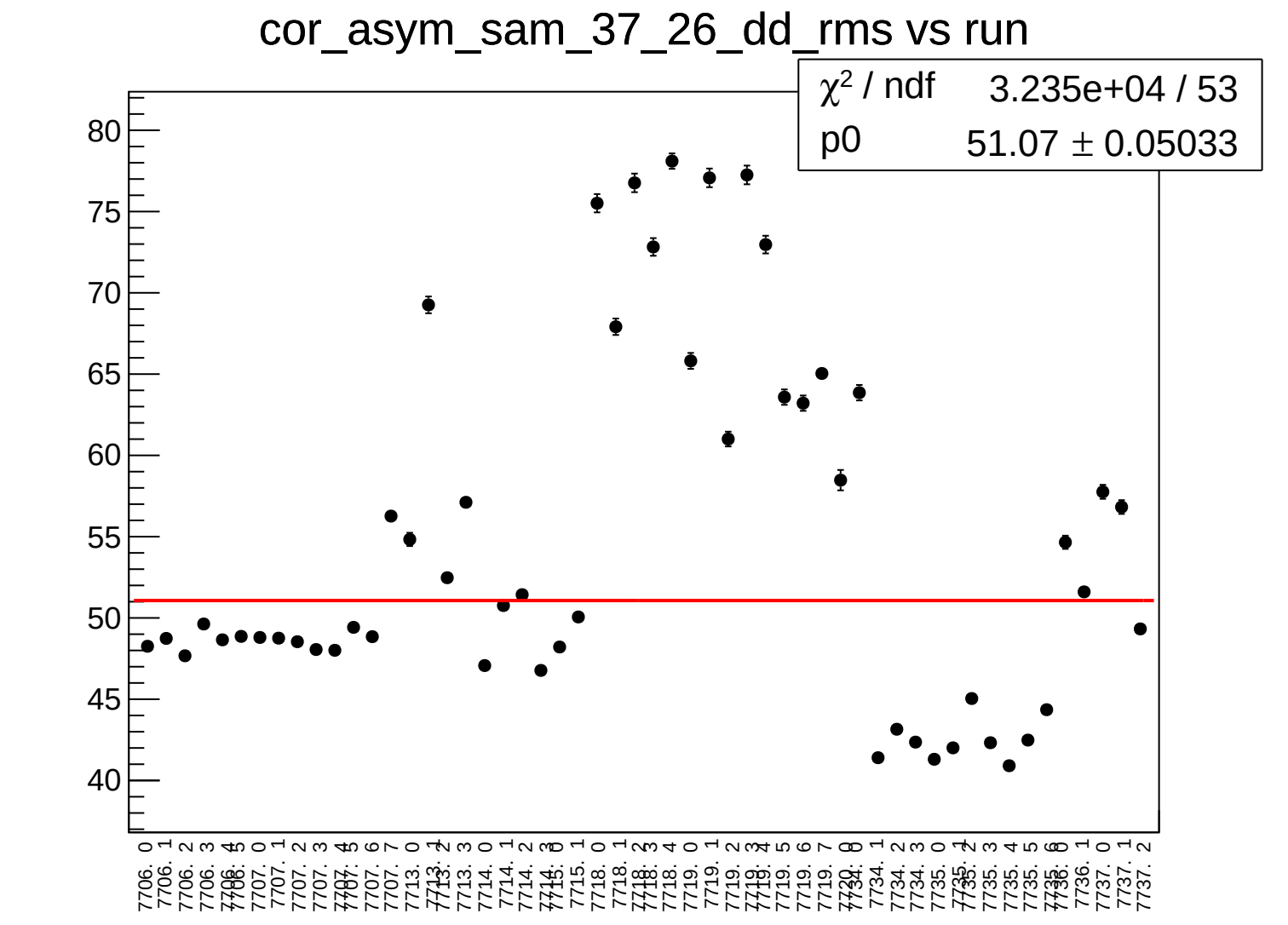

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 3.235e+04 / 53
p0 51.07 ± 0.05033
80
75
70
65
60
55
50
45
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

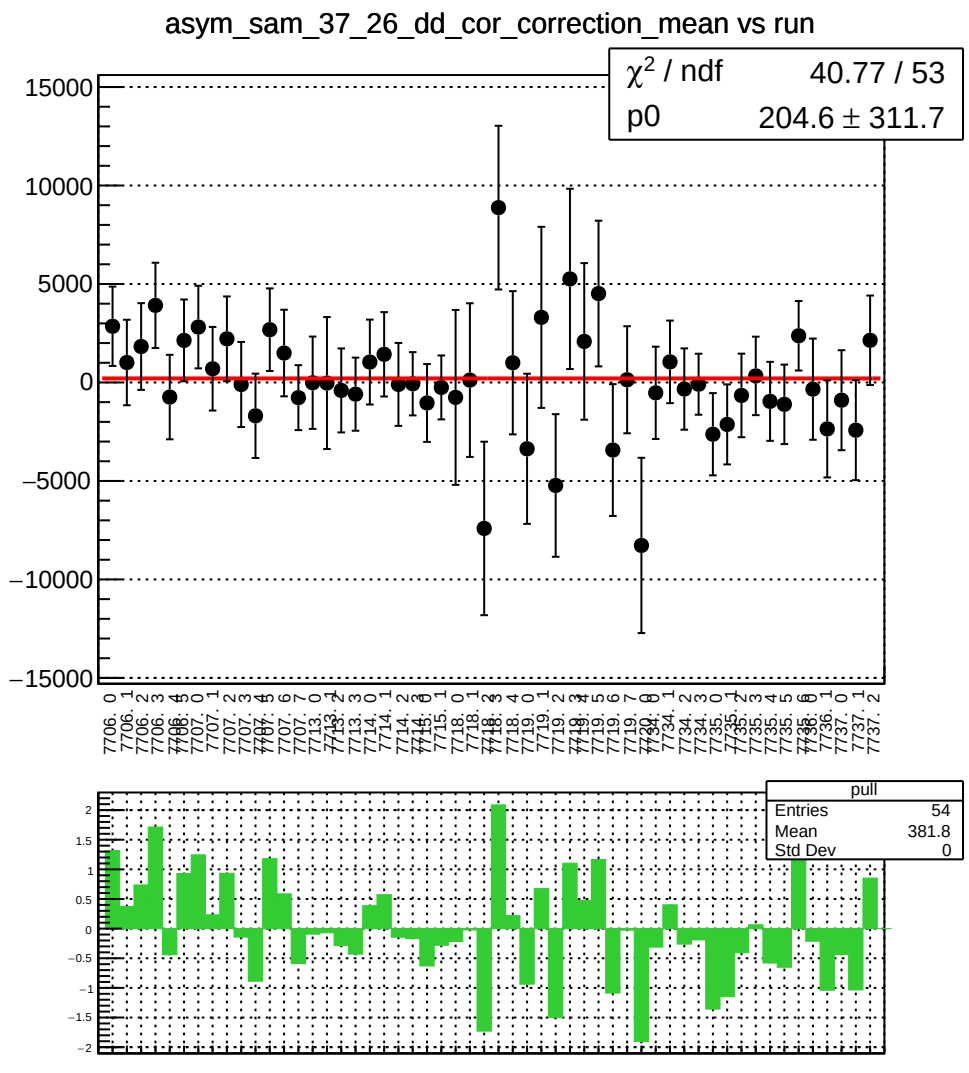

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 40.77 / 53
p0 204.6 ± 311.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 381.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01371
Std Dev 0.8688
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

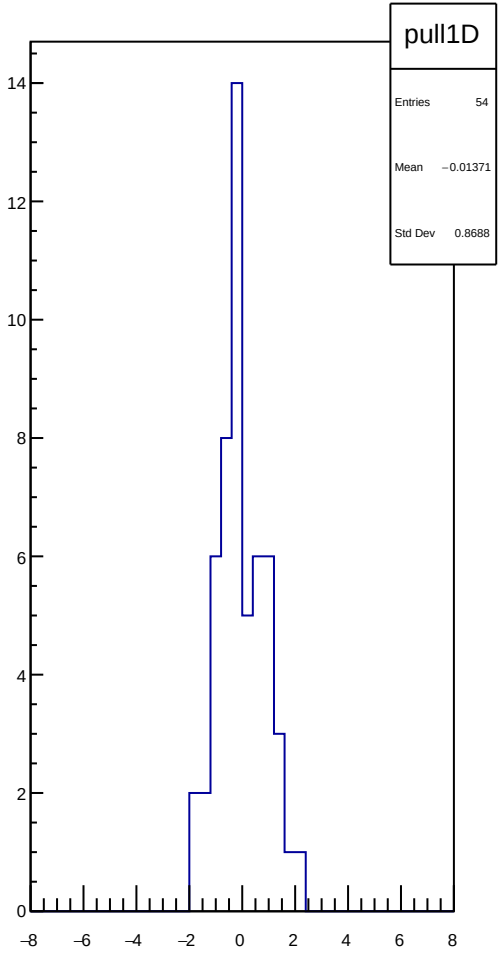

asym_sam_37_26_dd_reg_correction_rms vs run
χ^2 / ndf 5.647e+04 / 53
p0 221 ± 0.2204
450
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

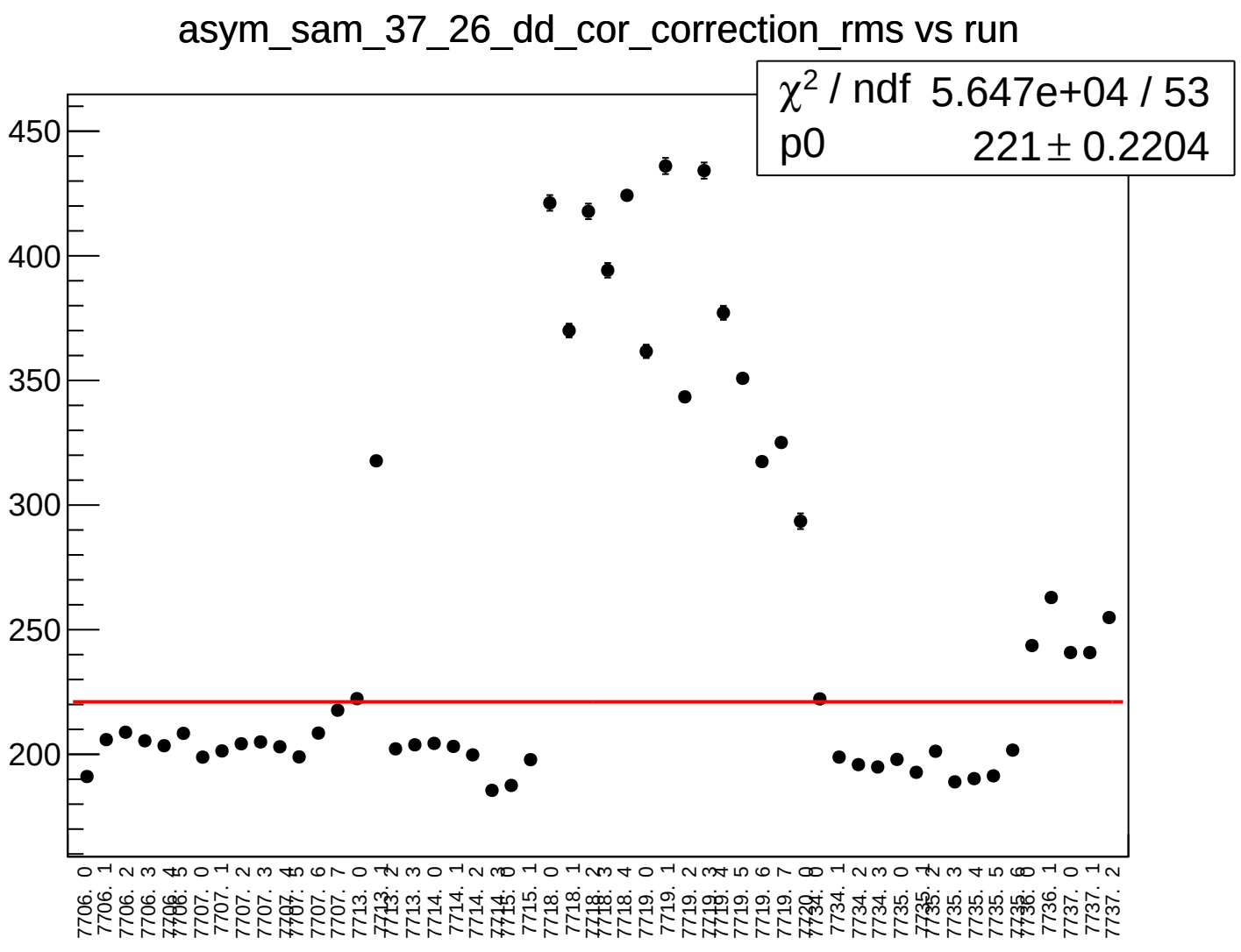

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 71.28 / 53
p0 −92.63 ± 71.18
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −23.23
Std Dev 0
2
1
0
−1
−2

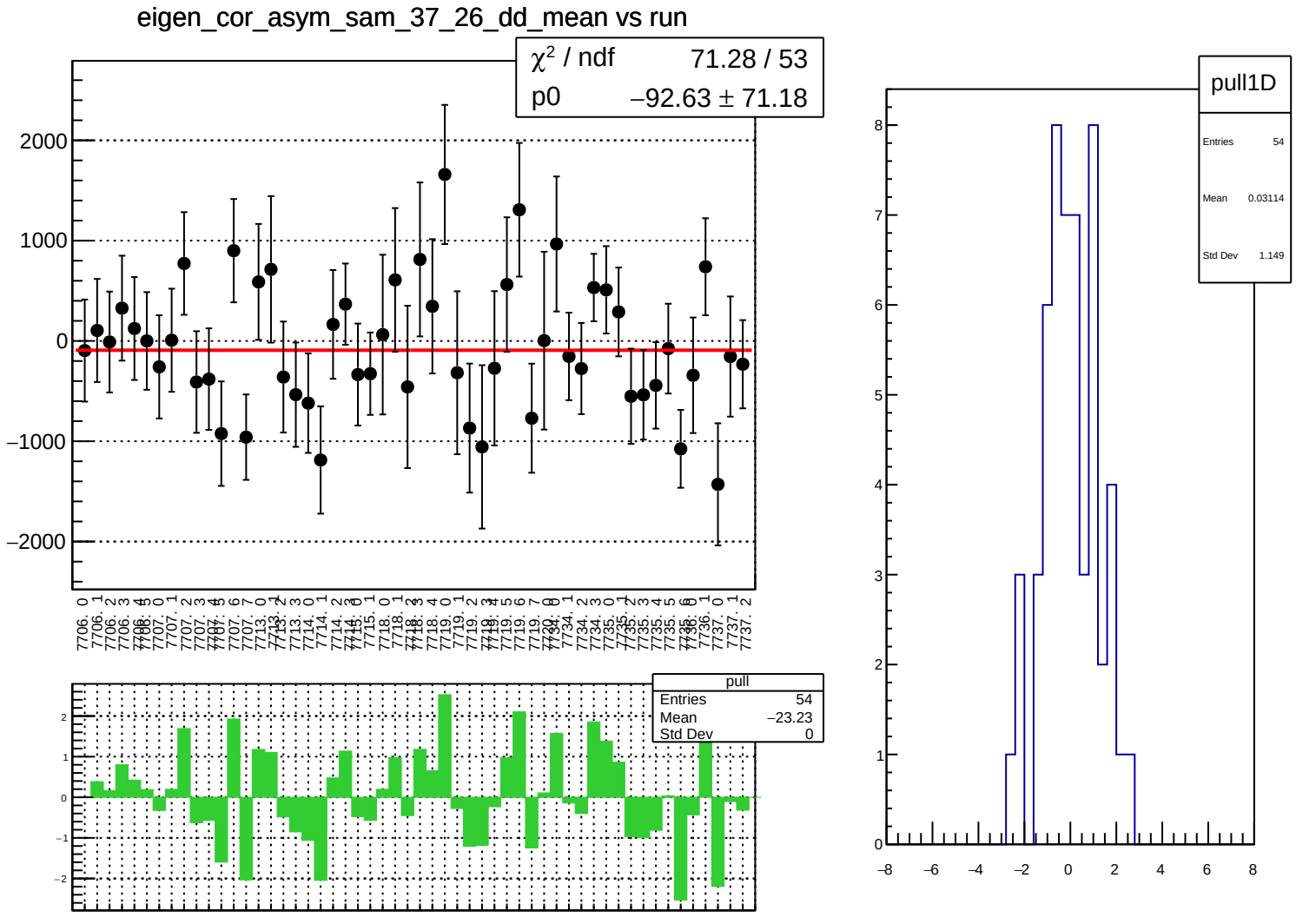

pull1D
Entries 54
Mean 0.03114
Std Dev 1.149
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

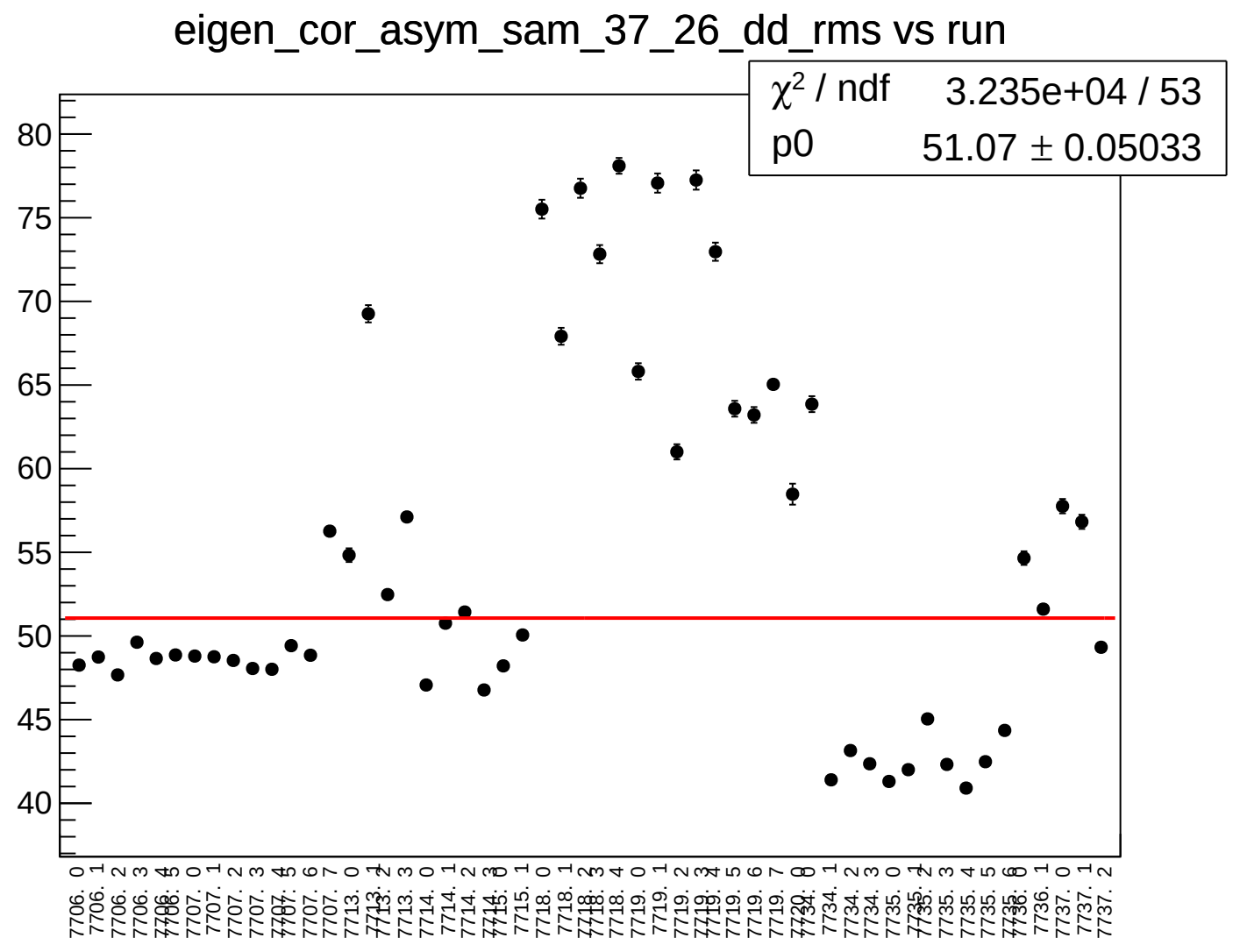

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3.235e+04 / 53
p0 51.07 ± 0.05033
80
75
70
65
60
55
50
45
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

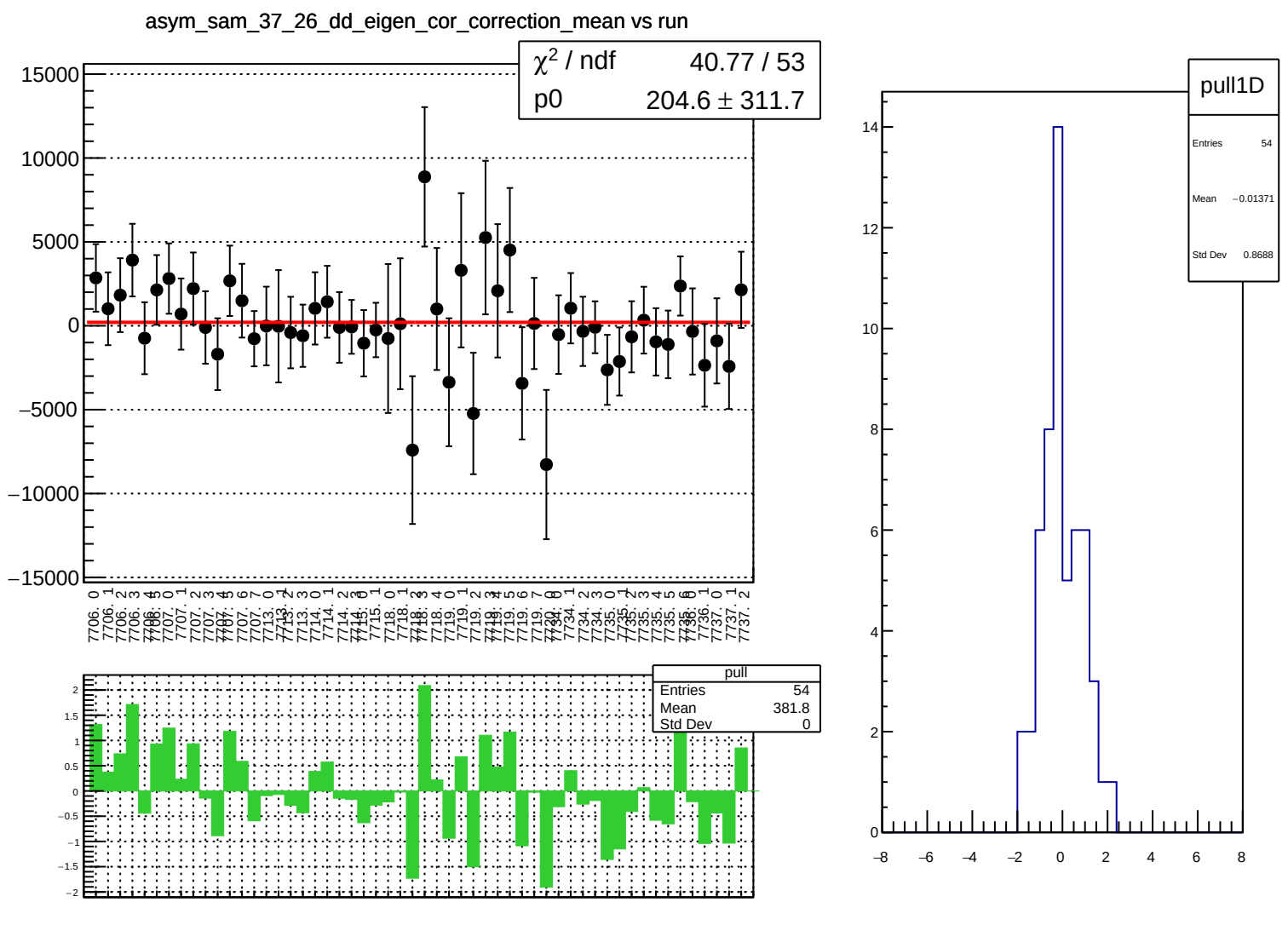

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 40.77 / 53
p0 204.6 ± 311.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 381.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

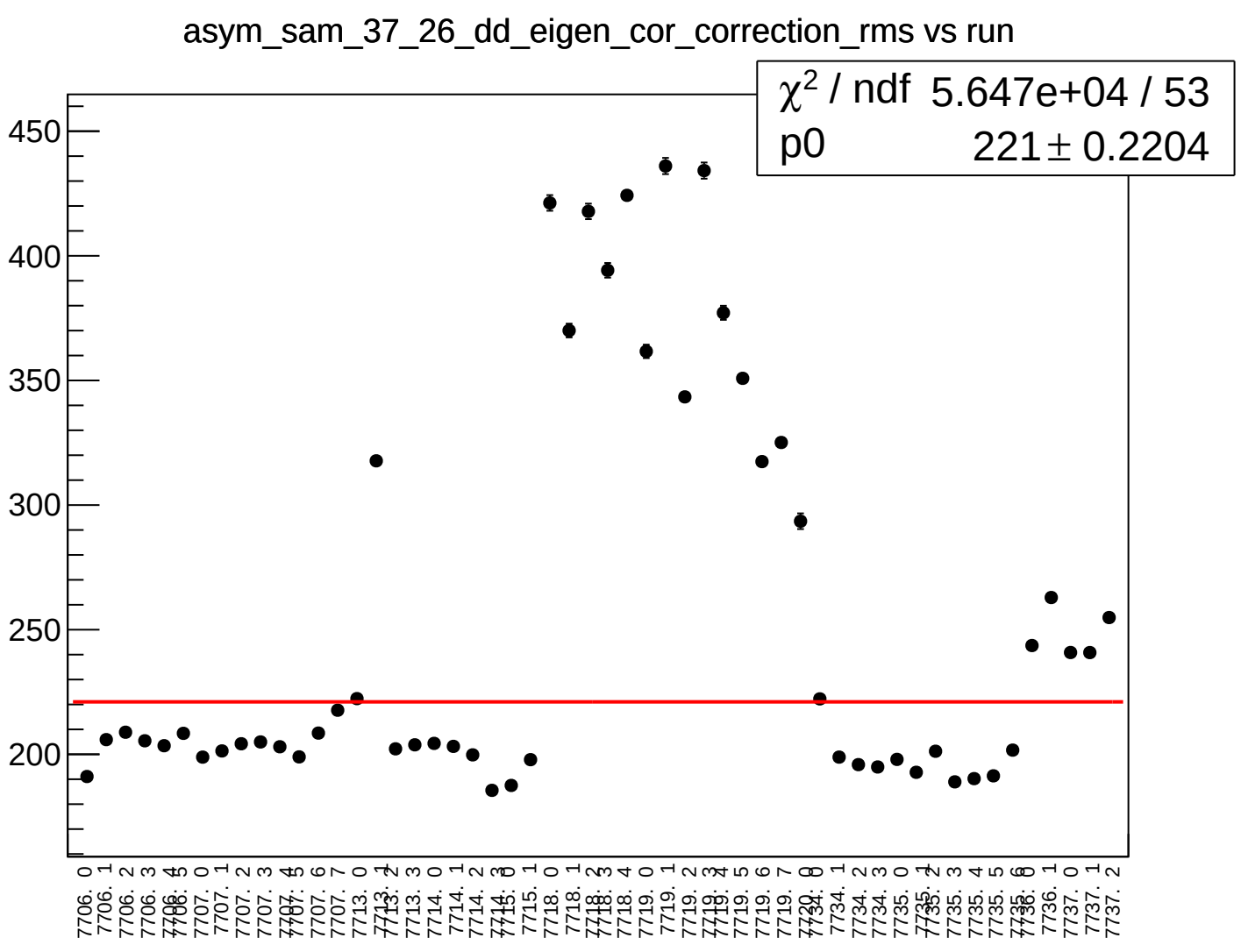

pull1D
Entries 54
Mean −0.01371
Std Dev 0.8688
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

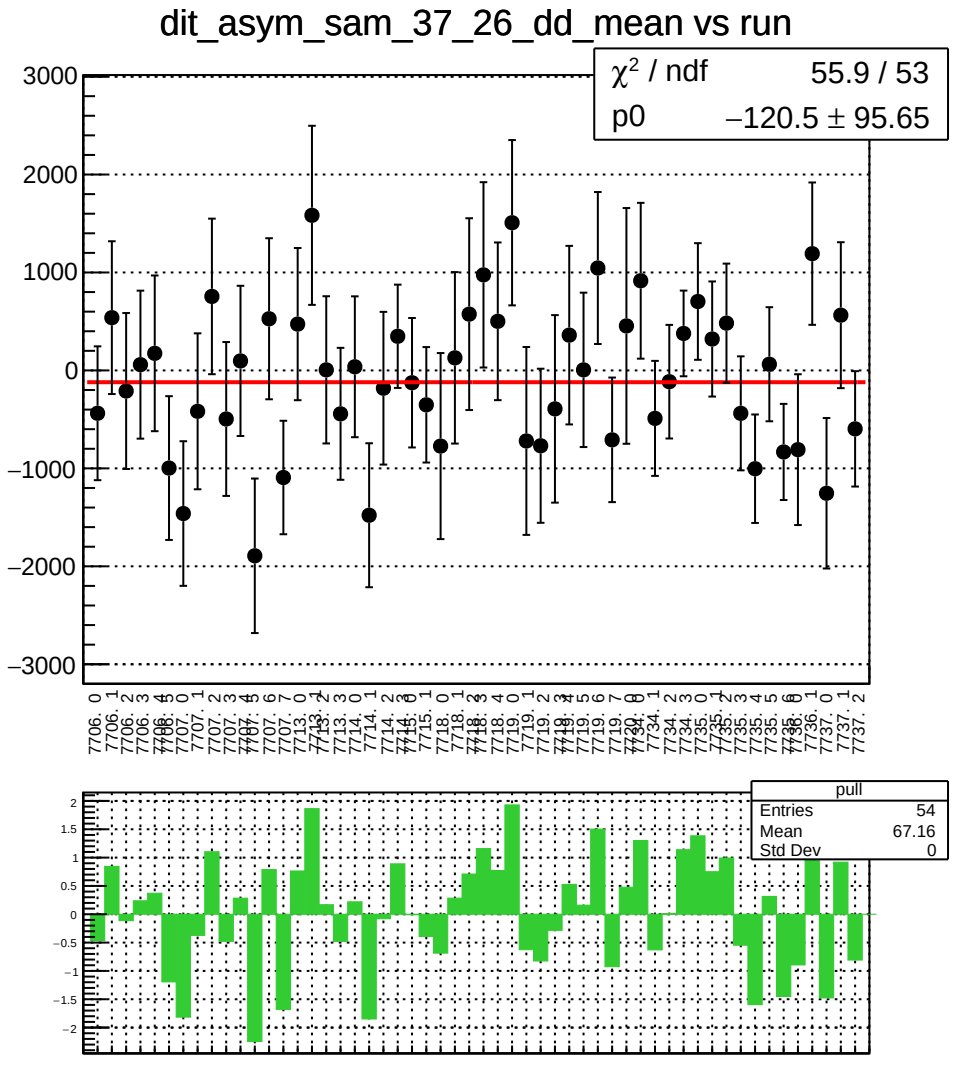

asym_sam_37_26_dd_cor_correction_rms vs run
χ^2 / ndf 5.647e+04 / 53
p0 221 ± 0.2204
450
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

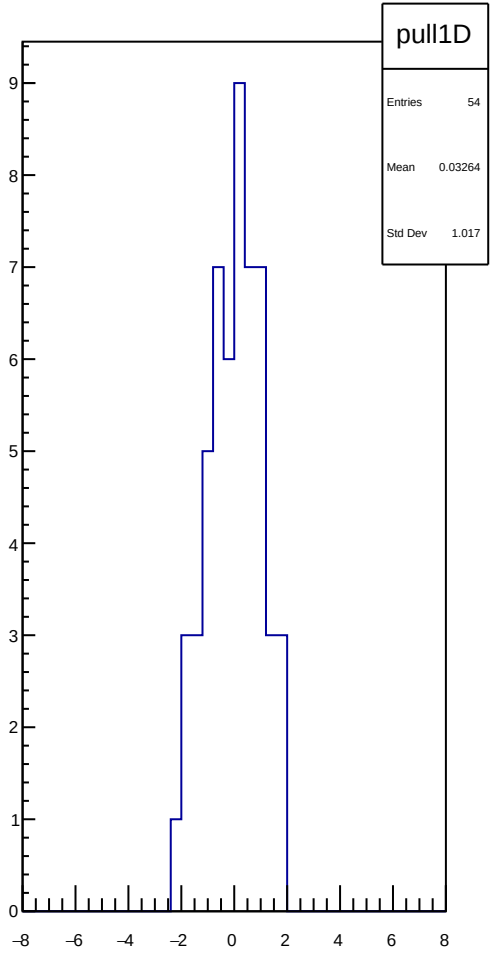

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 71.28 / 53
p0 −92.63 ± 71.18
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −23.23
Std Dev 0
pull1D
Entries 54
Mean 0.03114
Std Dev 1.149

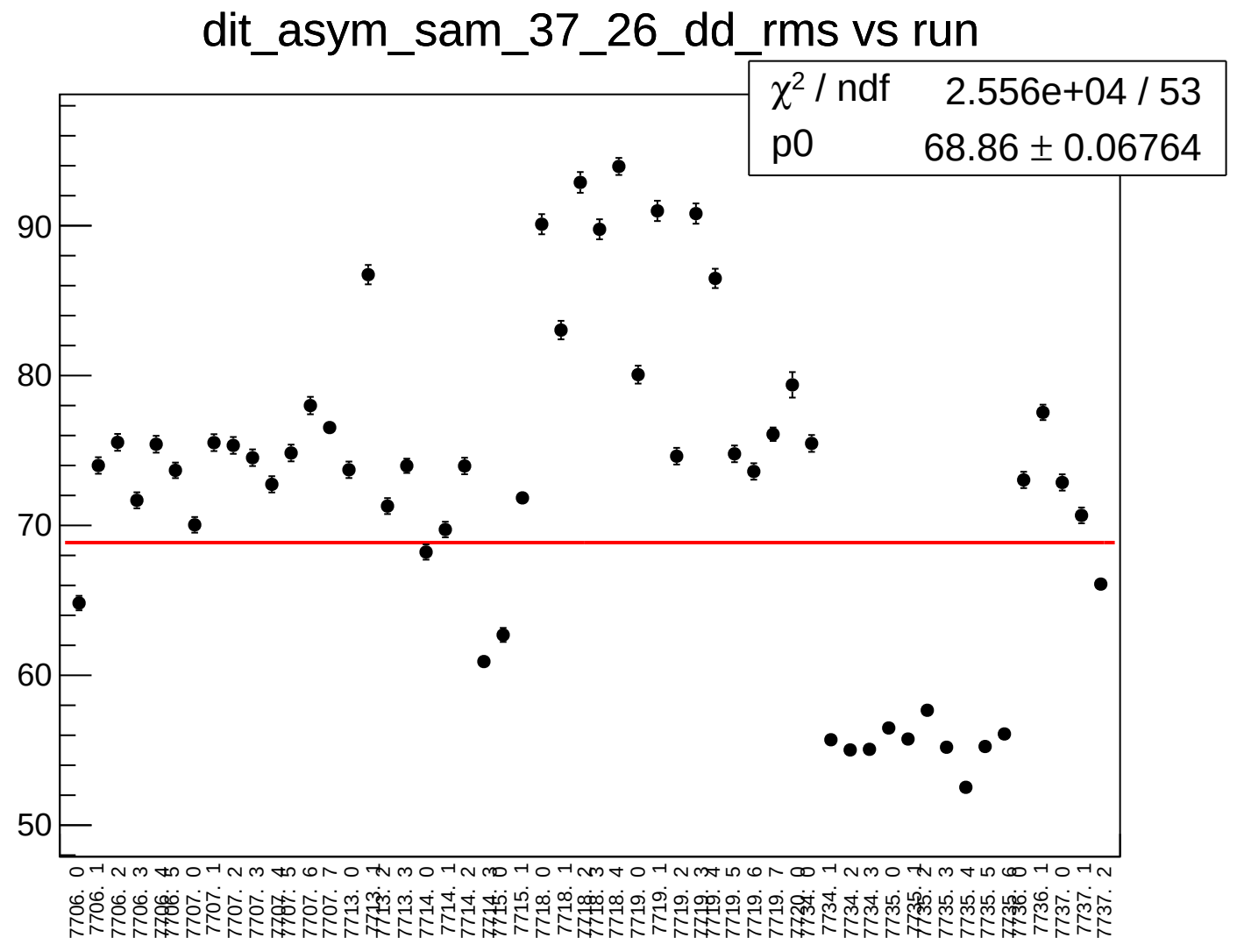

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3.235e+04 / 53
p0 51.07 ± 0.05033
80
75
70
65
60
55
50
45
40

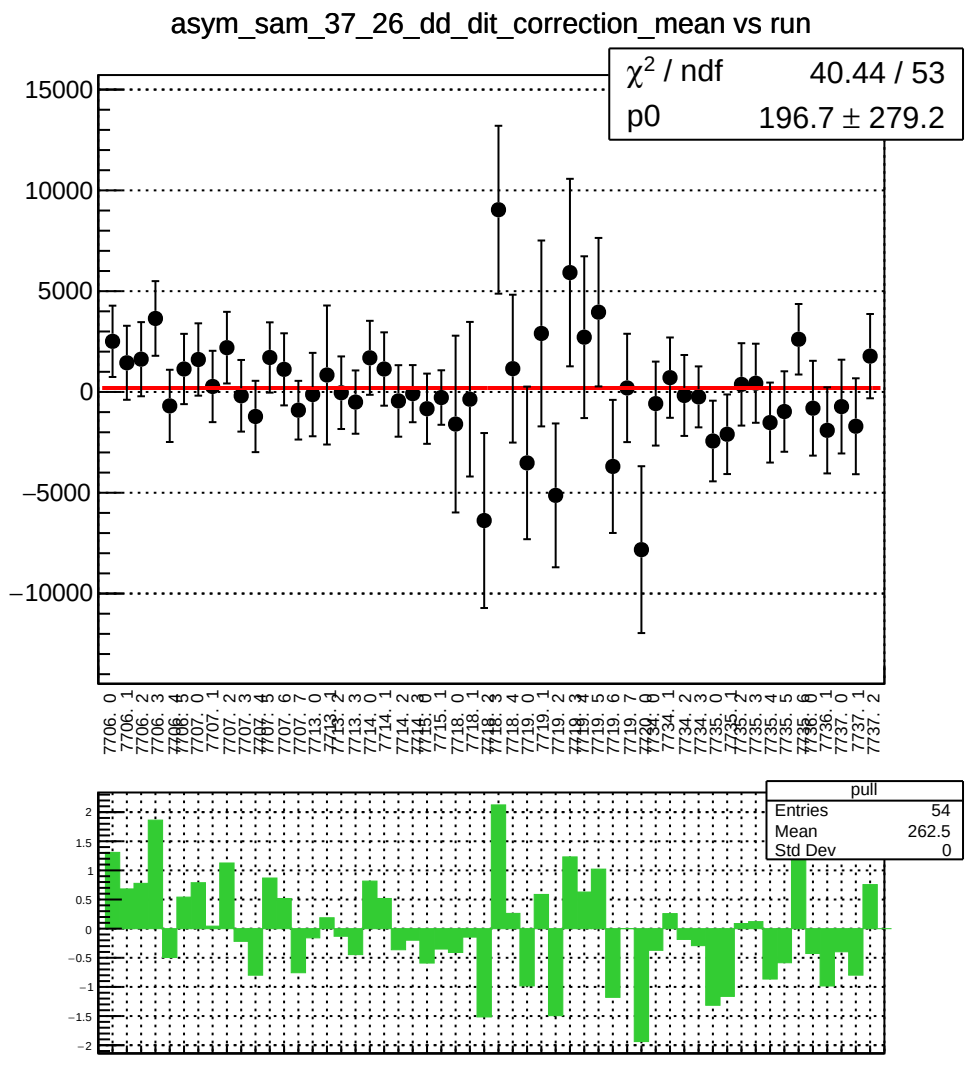

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.77 / 53
p0 204.6 ± 311.7
pull
Entries 54
Mean 381.8
Std Dev 0
pull1D
Entries 54
Mean −0.01371
Std Dev 0.8688

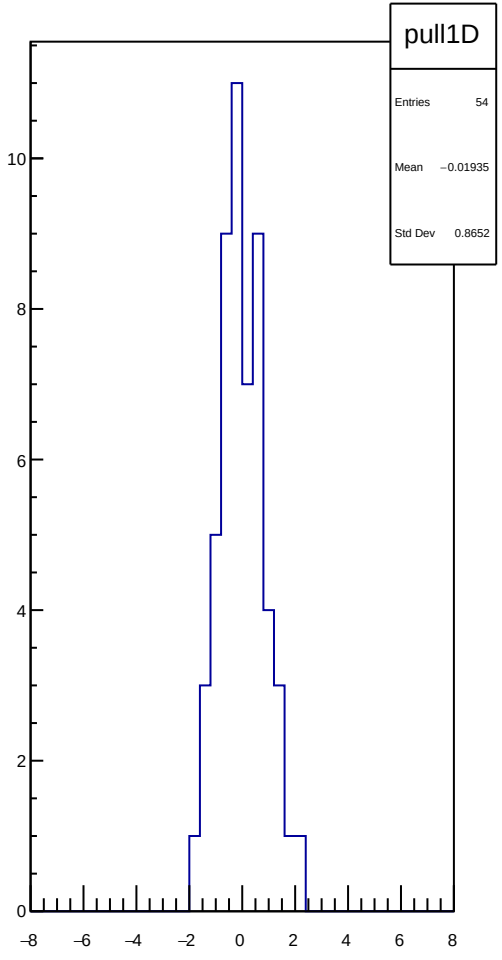

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 5.647e+04 / 53
p0 221 ± 0.2204
450
400
350
300
250
200

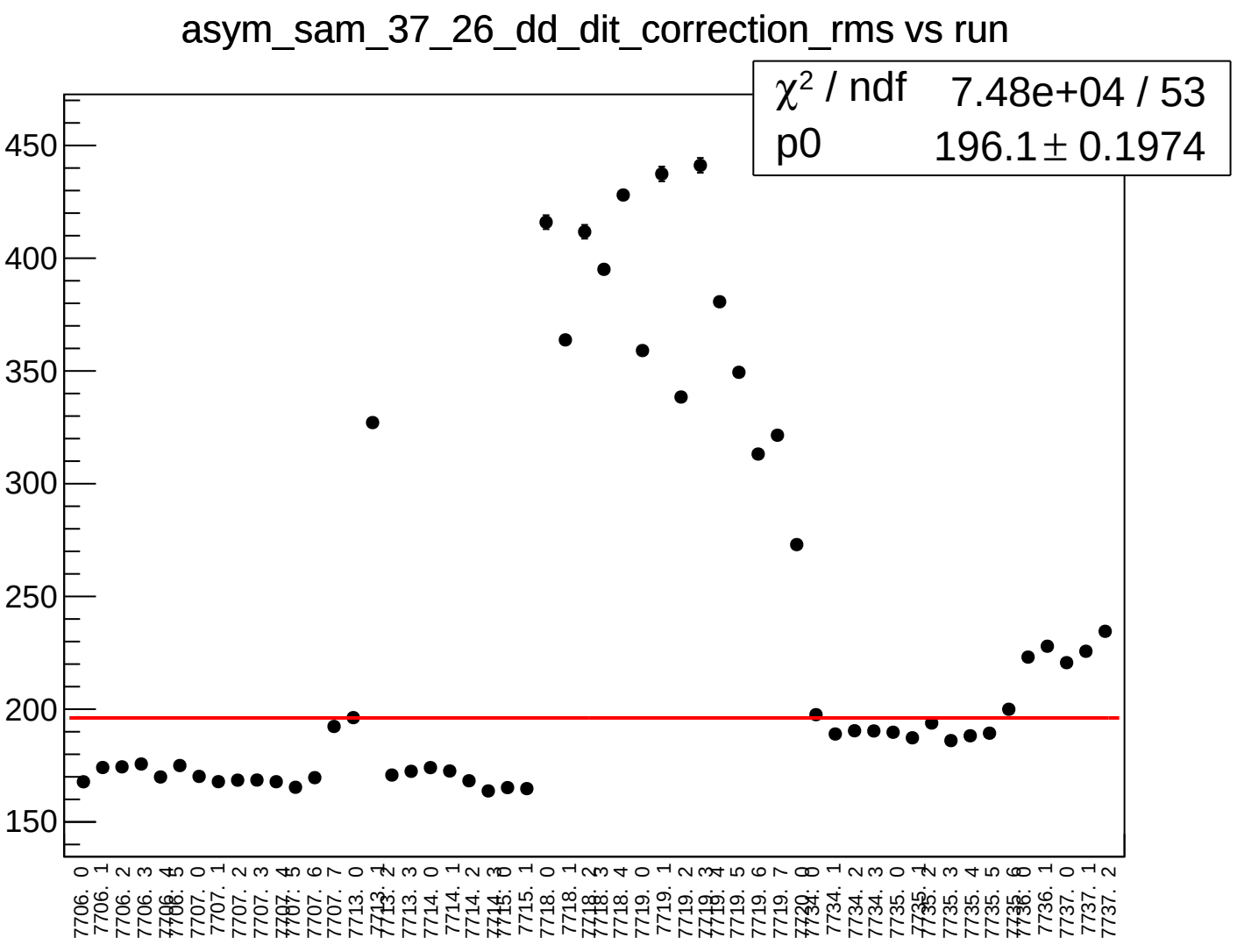

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.9 / 53
p0 −120.5 ± 95.65
pull
Entries 54
Mean 67.16
Std Dev 0

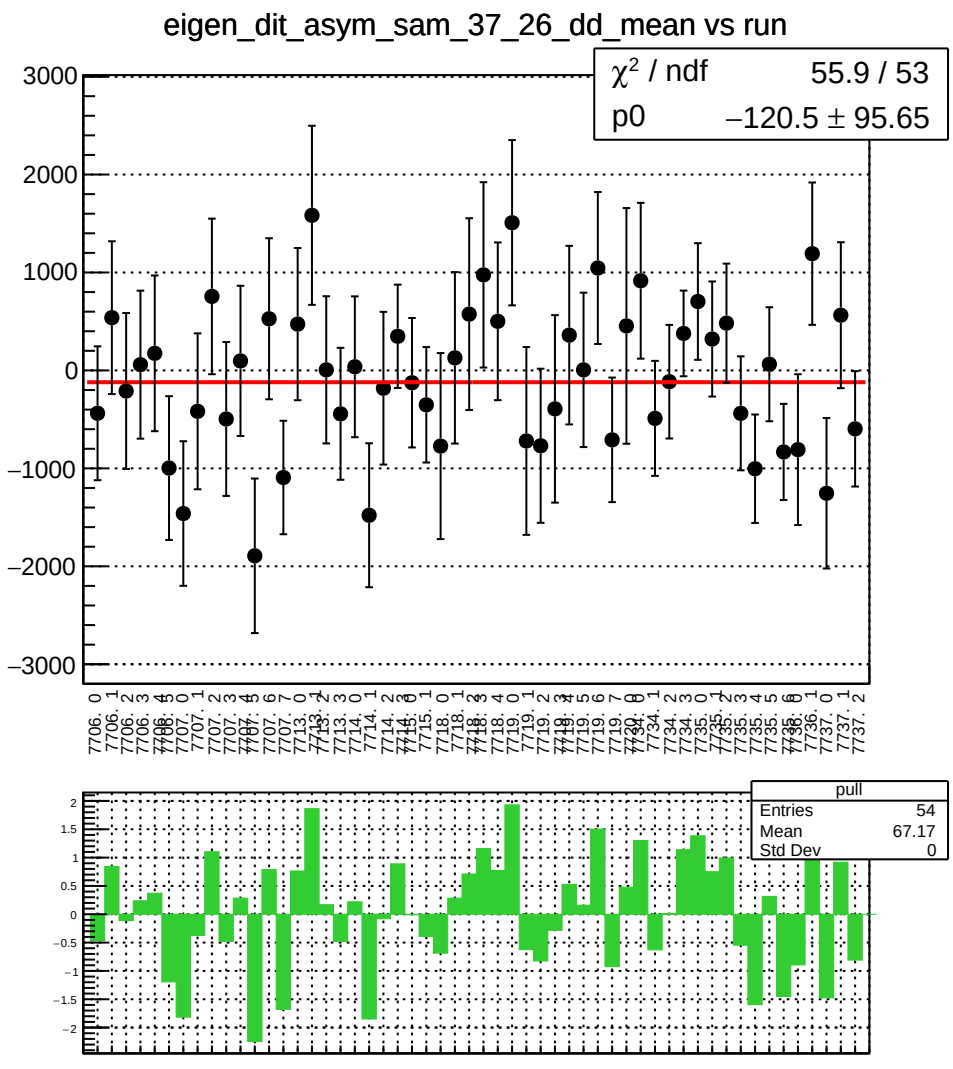

pull1D
Entries 54
Mean 0.03264
Std Dev 1.017

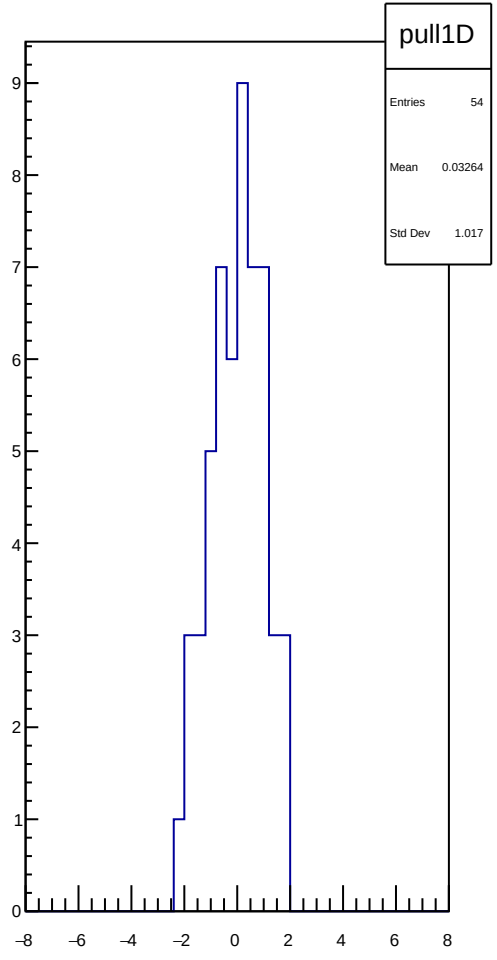

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.556e+04 / 53
p0 68.86 ± 0.06764
90
80
70
60
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

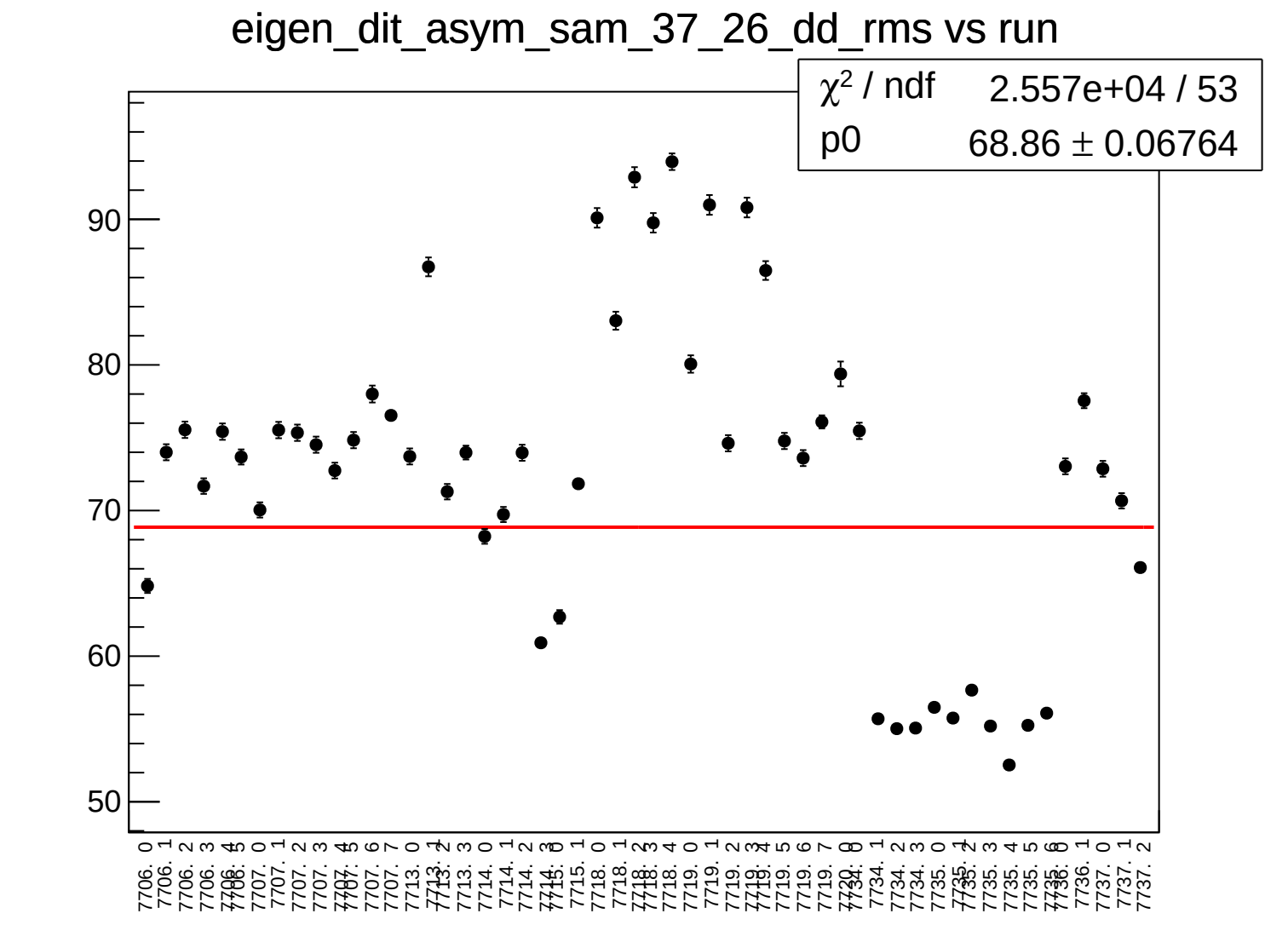

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 40.44 / 53
p0 196.7 ± 279.2
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 262.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

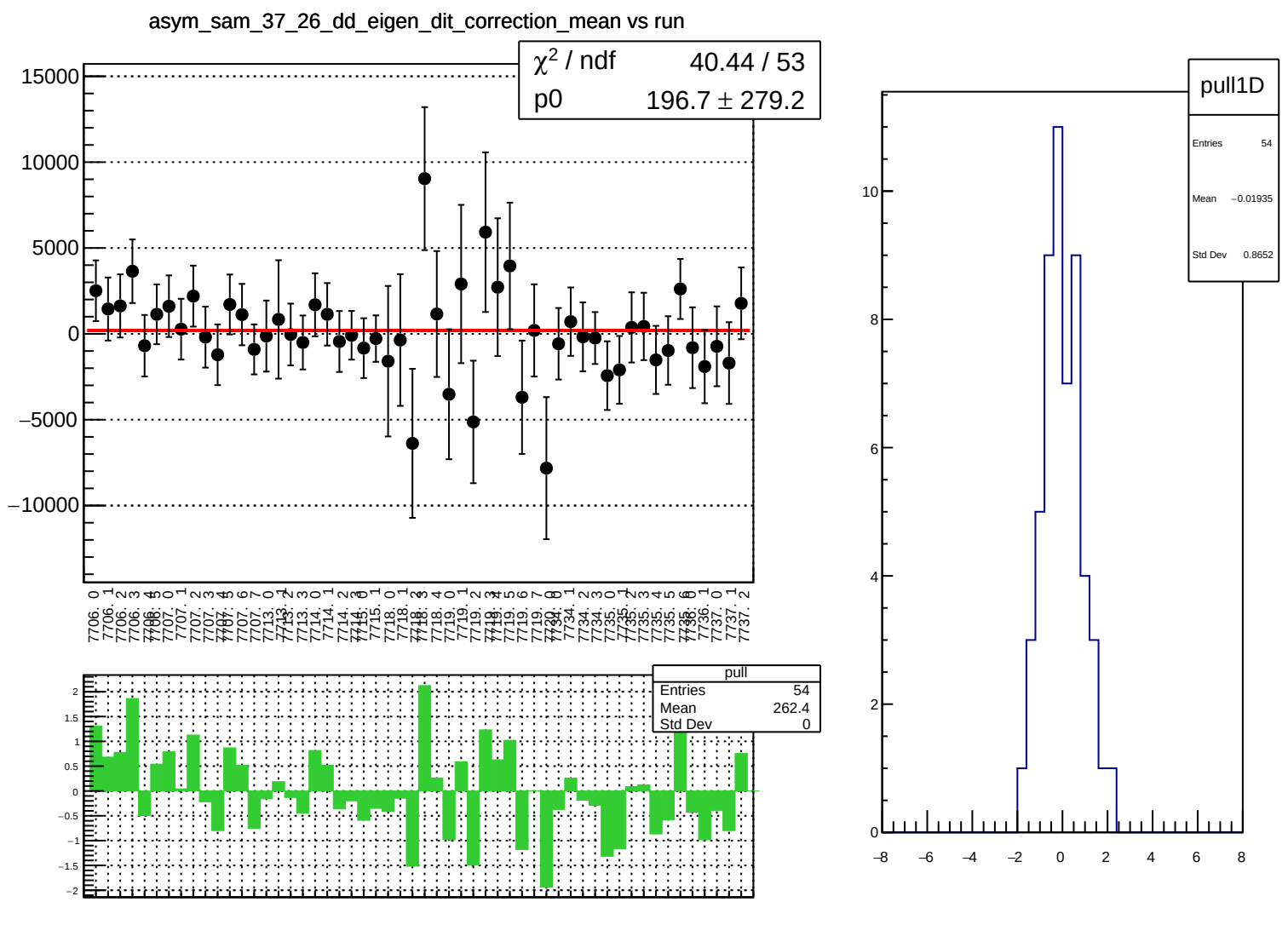

pull1D
Entries 54
Mean −0.01935
Std Dev 0.8652
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

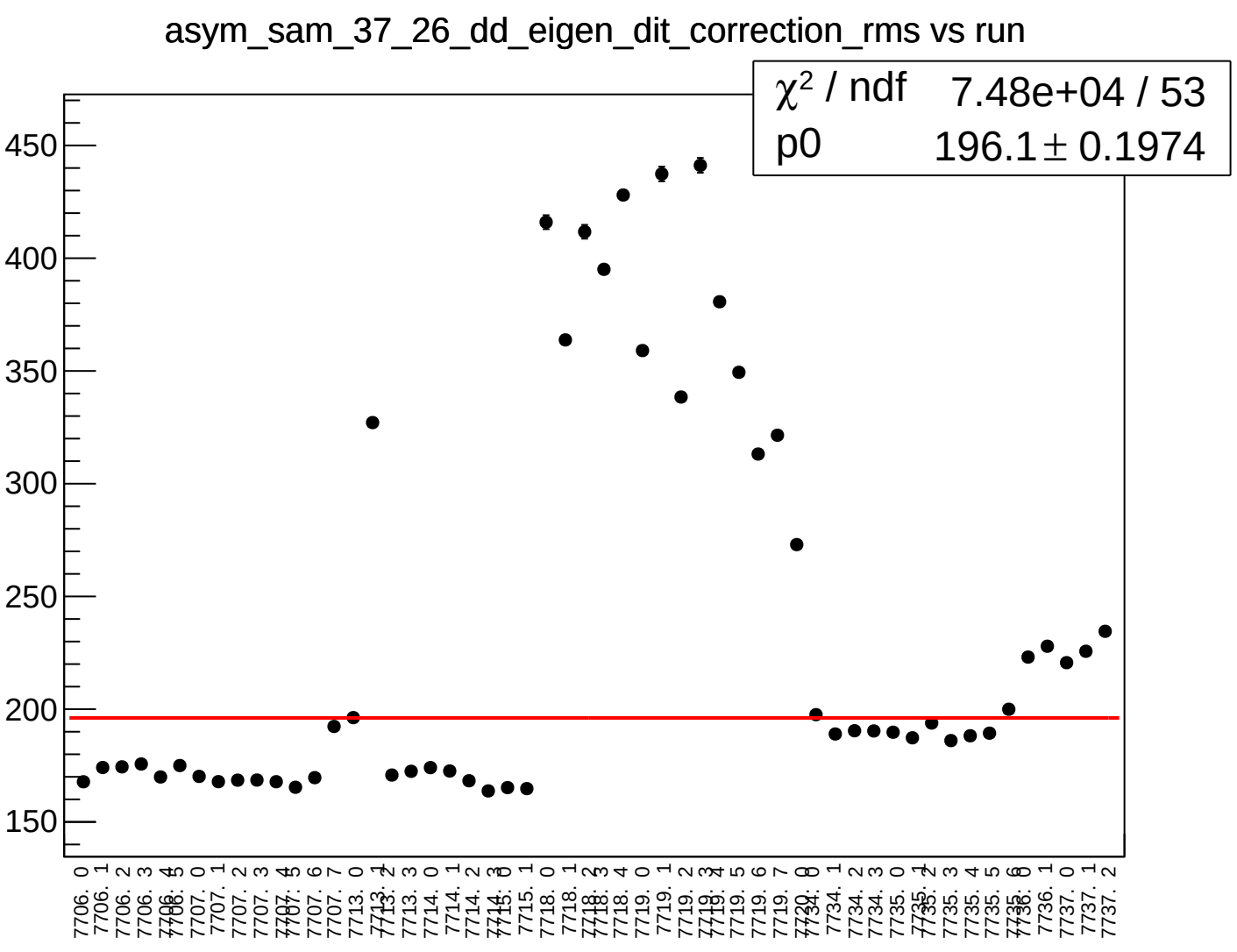

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 7.48e+04 / 53
p0 196.1 ± 0.1974
450
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

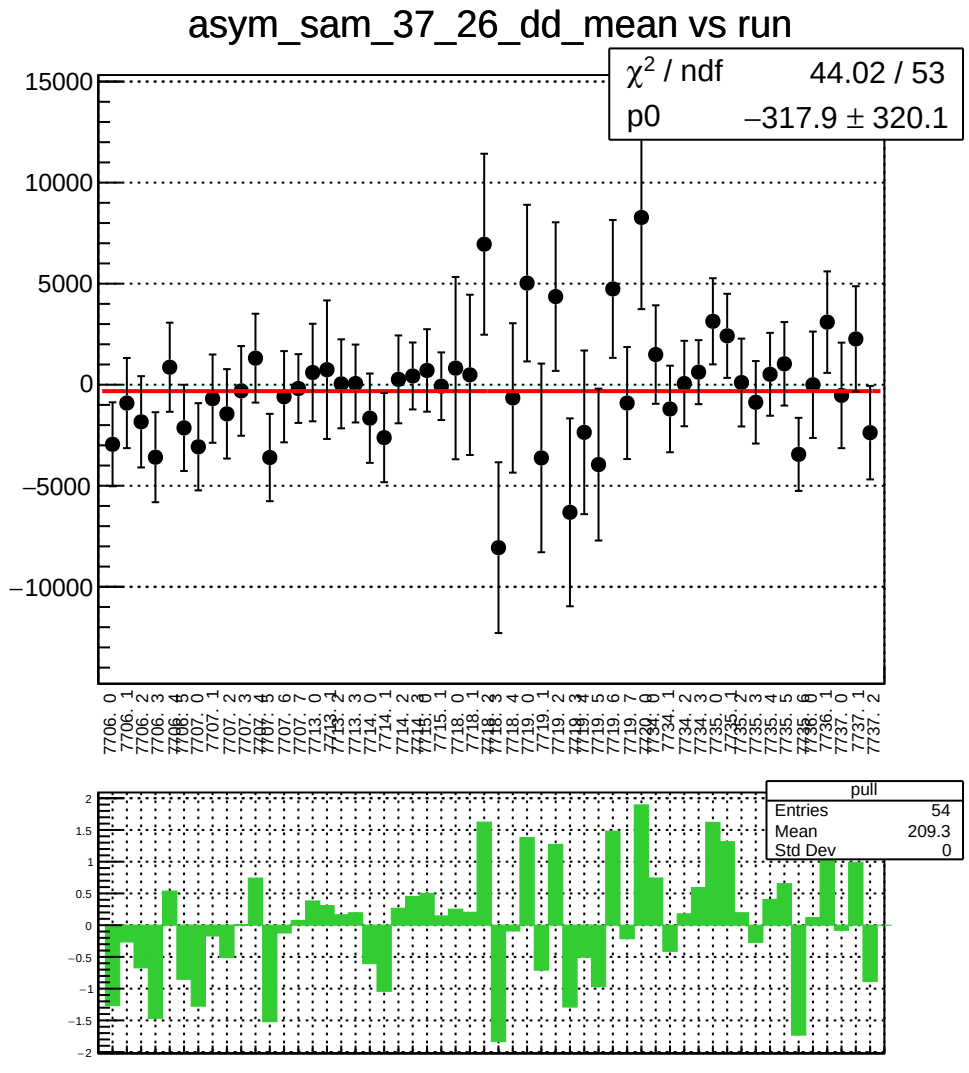

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.9 / 53
p0 −120.5 ± 95.65
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 67.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

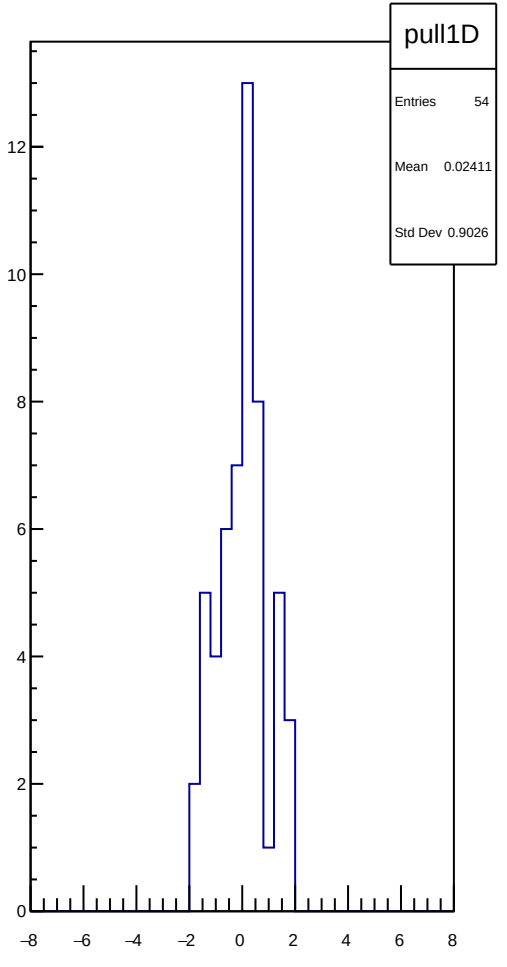

pull1D
Entries 54
Mean 0.03264
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

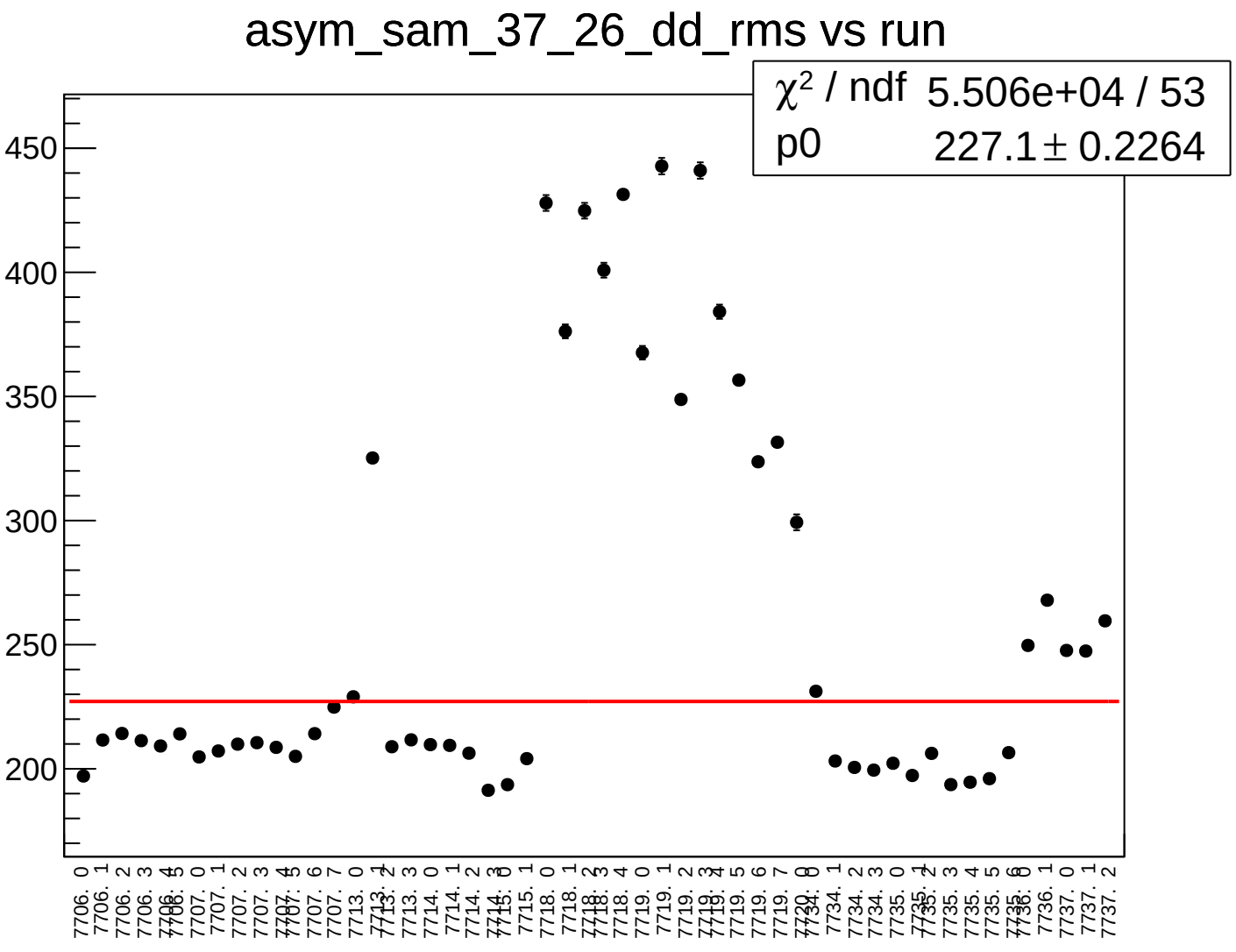

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.557e+04 / 53
p0 68.86 ± 0.06764
90
80
70
60
50

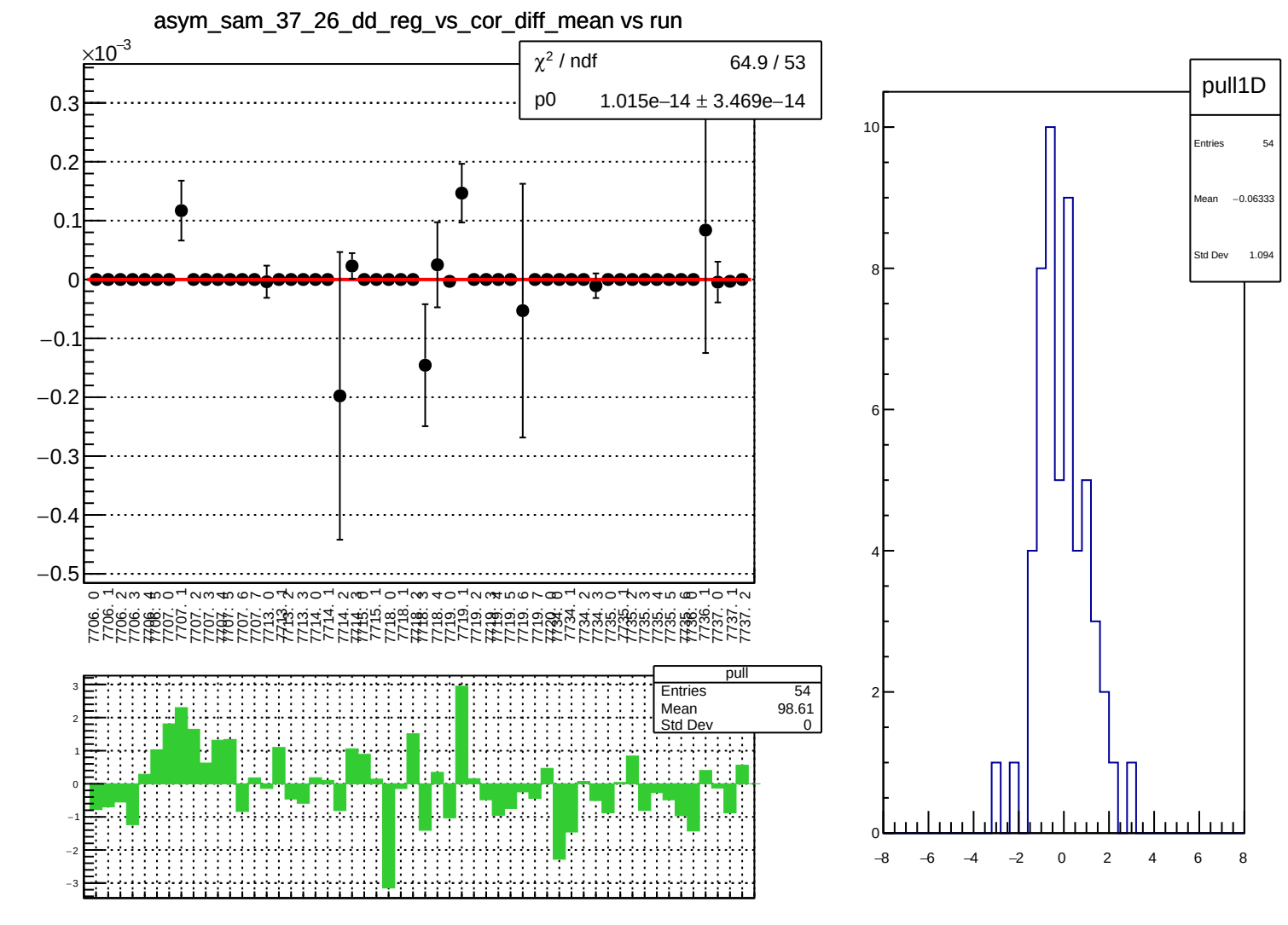

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.44 / 53
p0 196.7 ± 279.2
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 262.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01935
Std Dev 0.8652
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

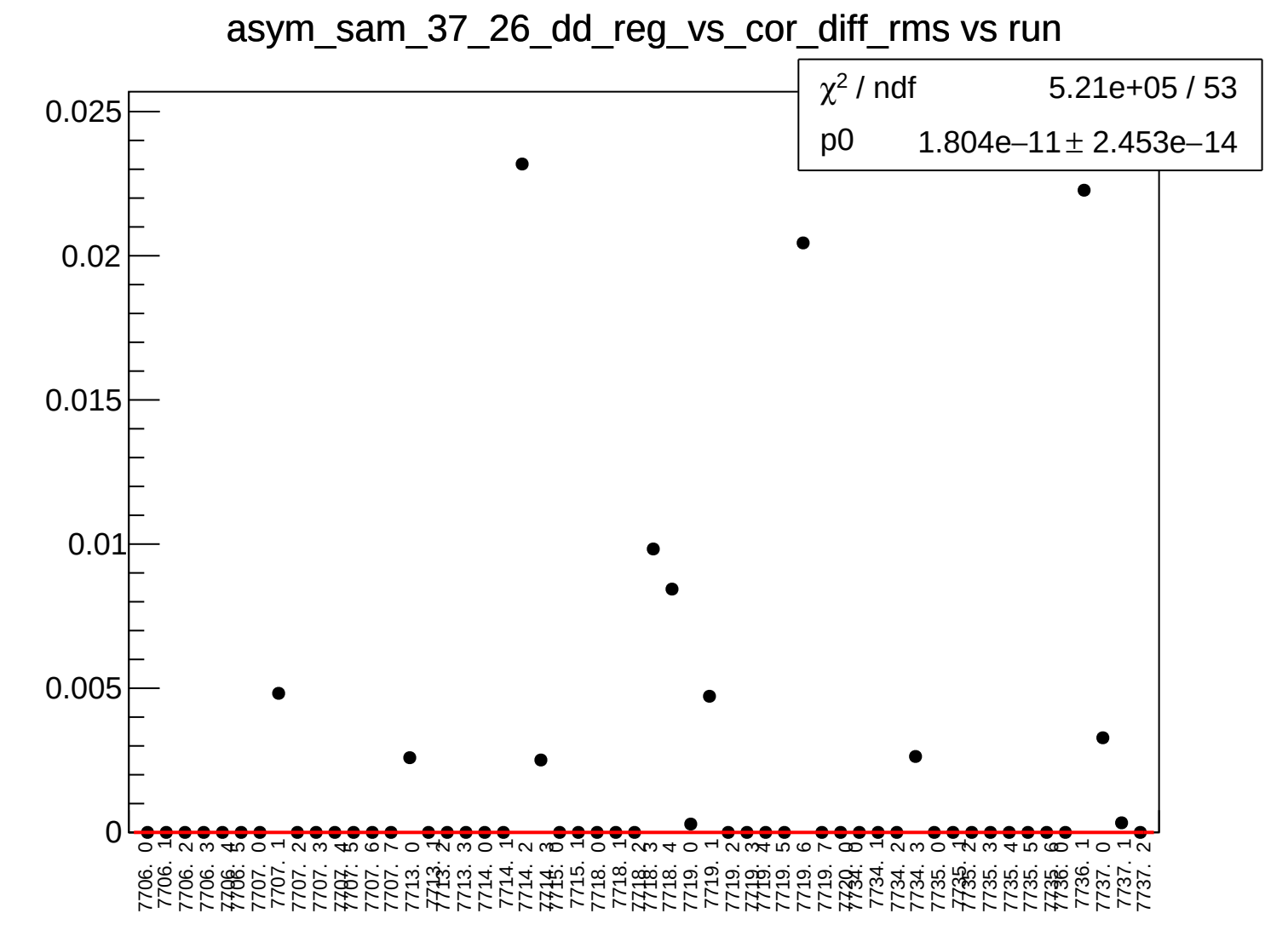

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 7.48e+04 / 53
p0 196.1 ± 0.1974
450
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

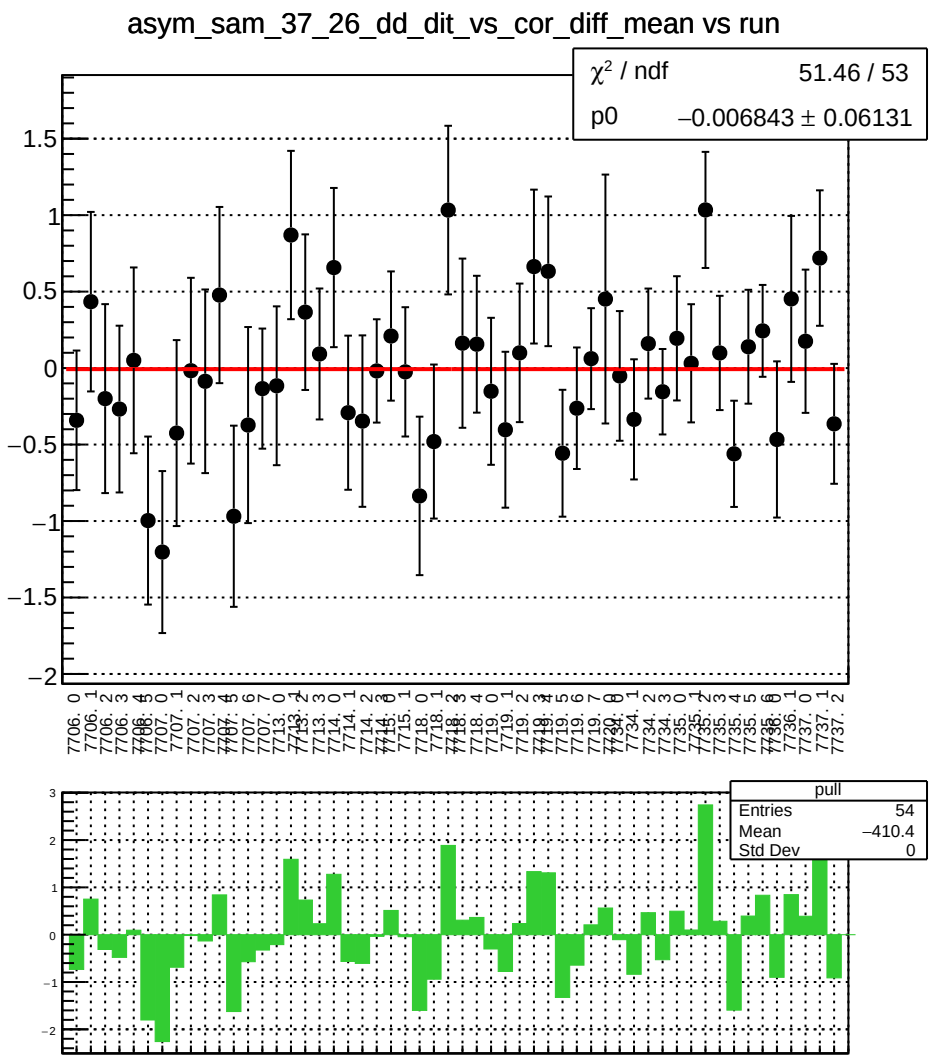

asym_sam_37_26_dd_mean vs run
χ² / ndf 44.02 / 53
p0 −317.9 ± 320.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 209.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

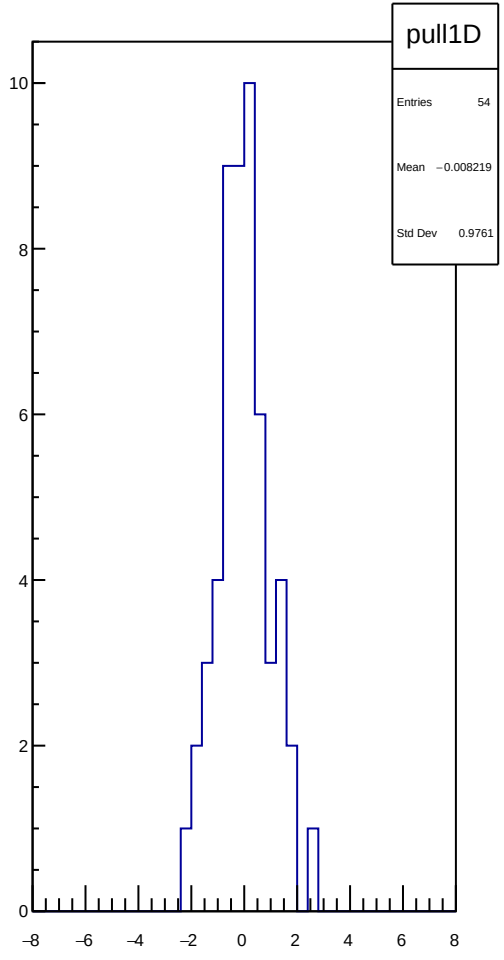

pull1D
Entries 54
Mean 0.02411
Std Dev 0.9026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

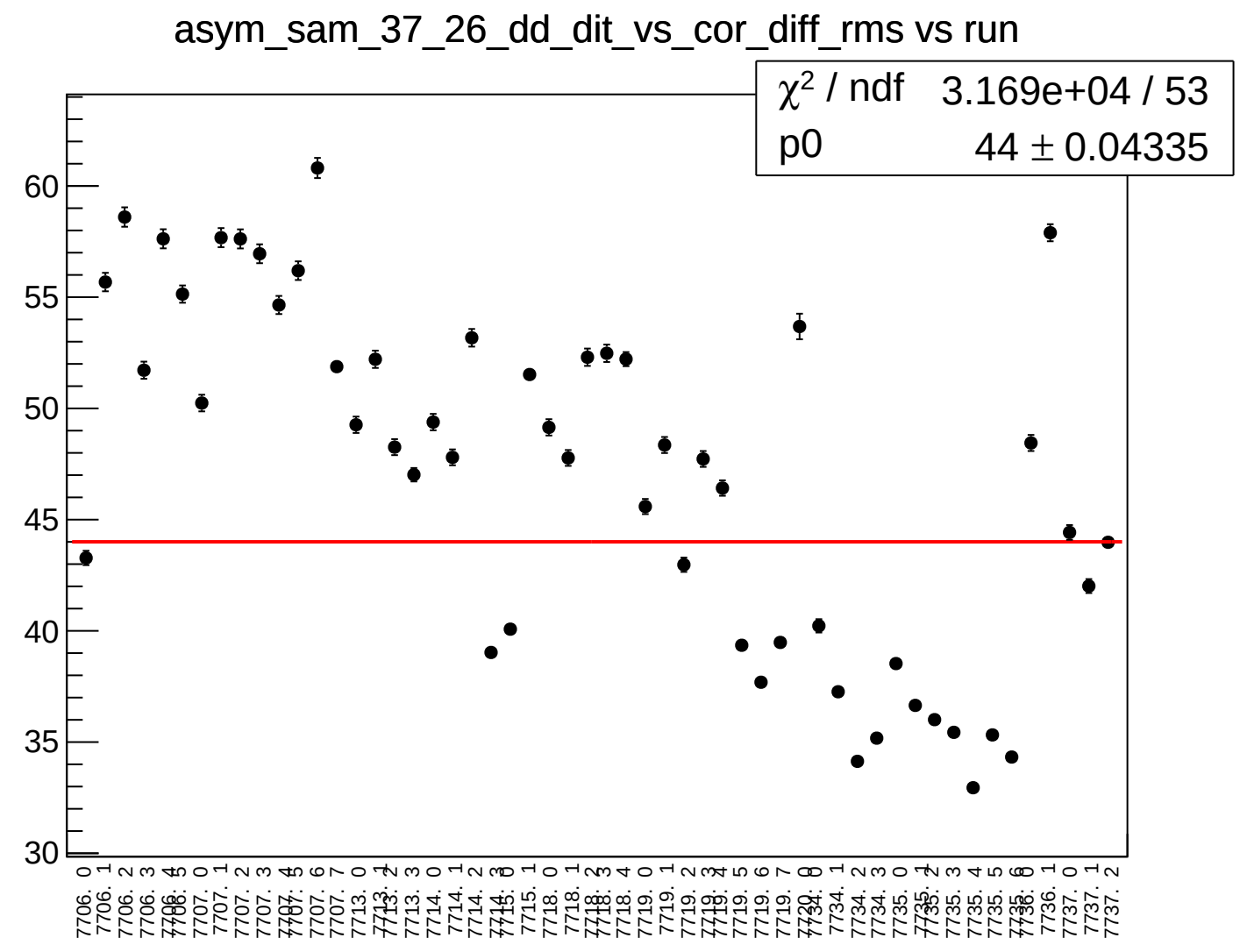

asym_sam_37_26_dd_rms vs run
χ² / ndf 5.506e+04 / 53
p0 227.1 ± 0.2264
450
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

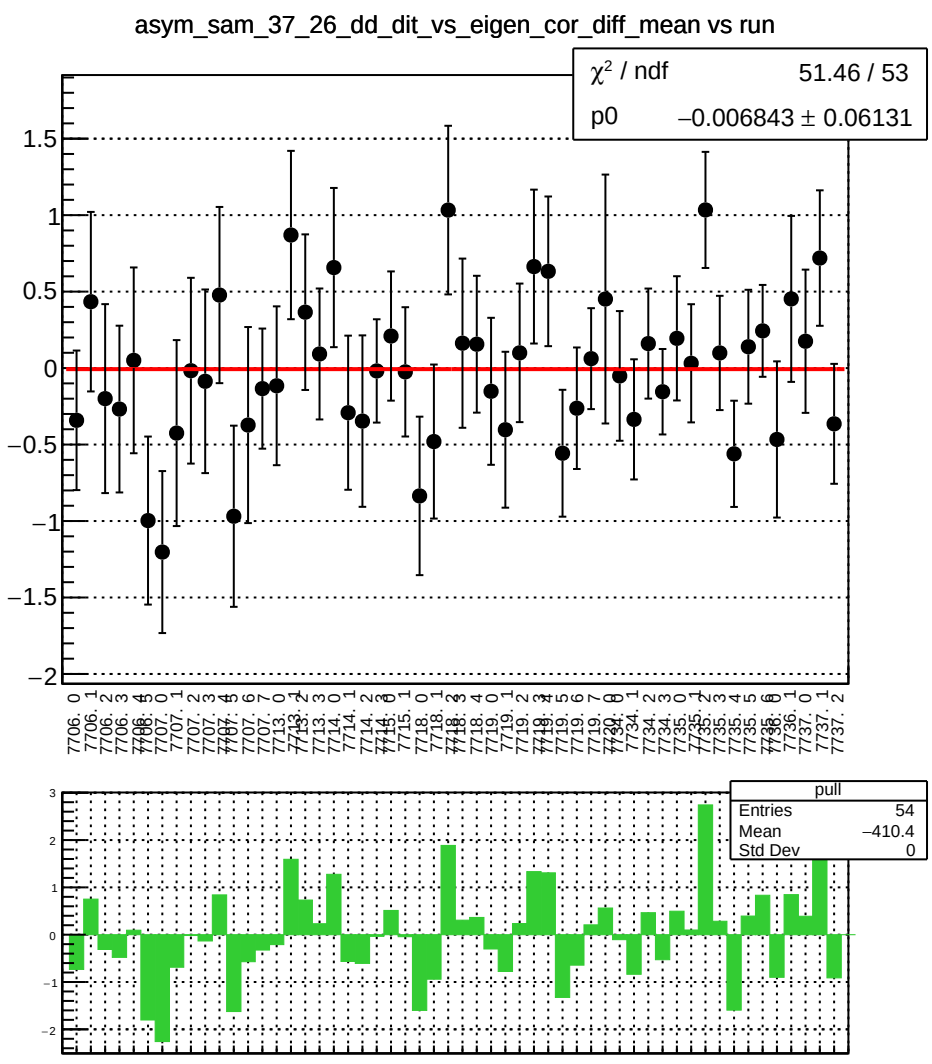

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 64.9 / 53
p0 1.015e−14 ± 3.469e−14
pull
Entries 54
Mean 98.61
Std Dev 0
pull1D
Entries 54
Mean −0.06333
Std Dev 1.094

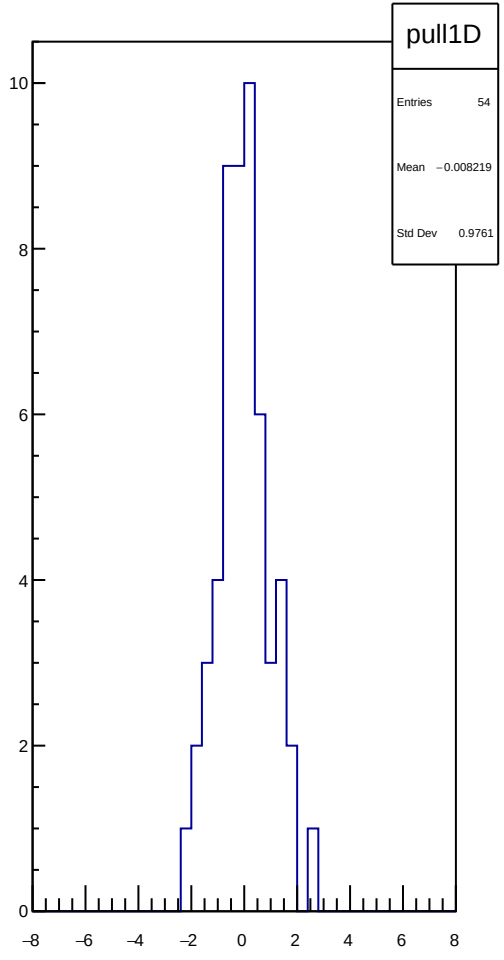

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.21e+05 / 53
p0 1.804e−11 ± 2.453e−14
0.025
0.02
0.015
0.01
0.005
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

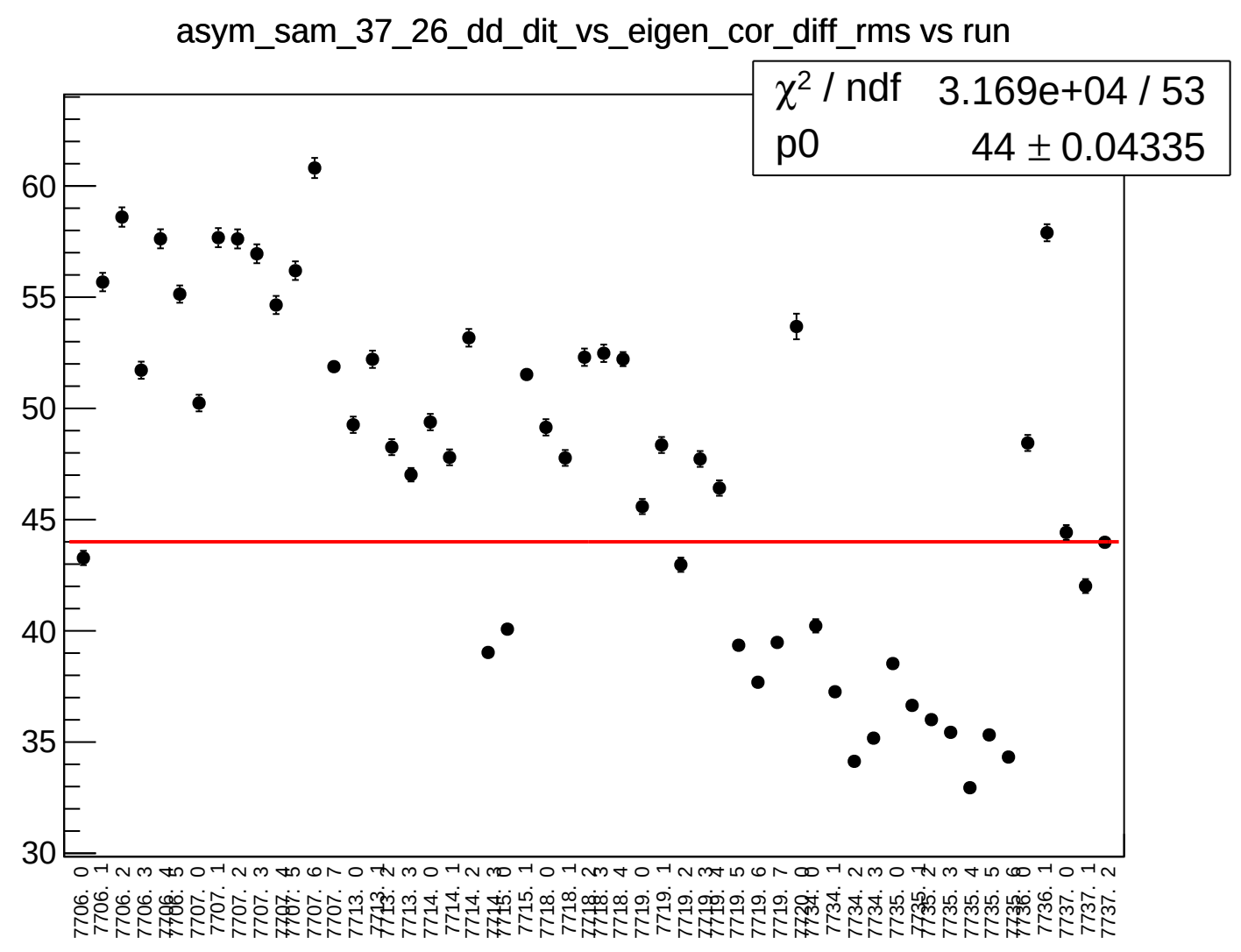

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.46 / 53
p0 −0.006843 ± 0.06131
pull
Entries 54
Mean −410.4
Std Dev 0

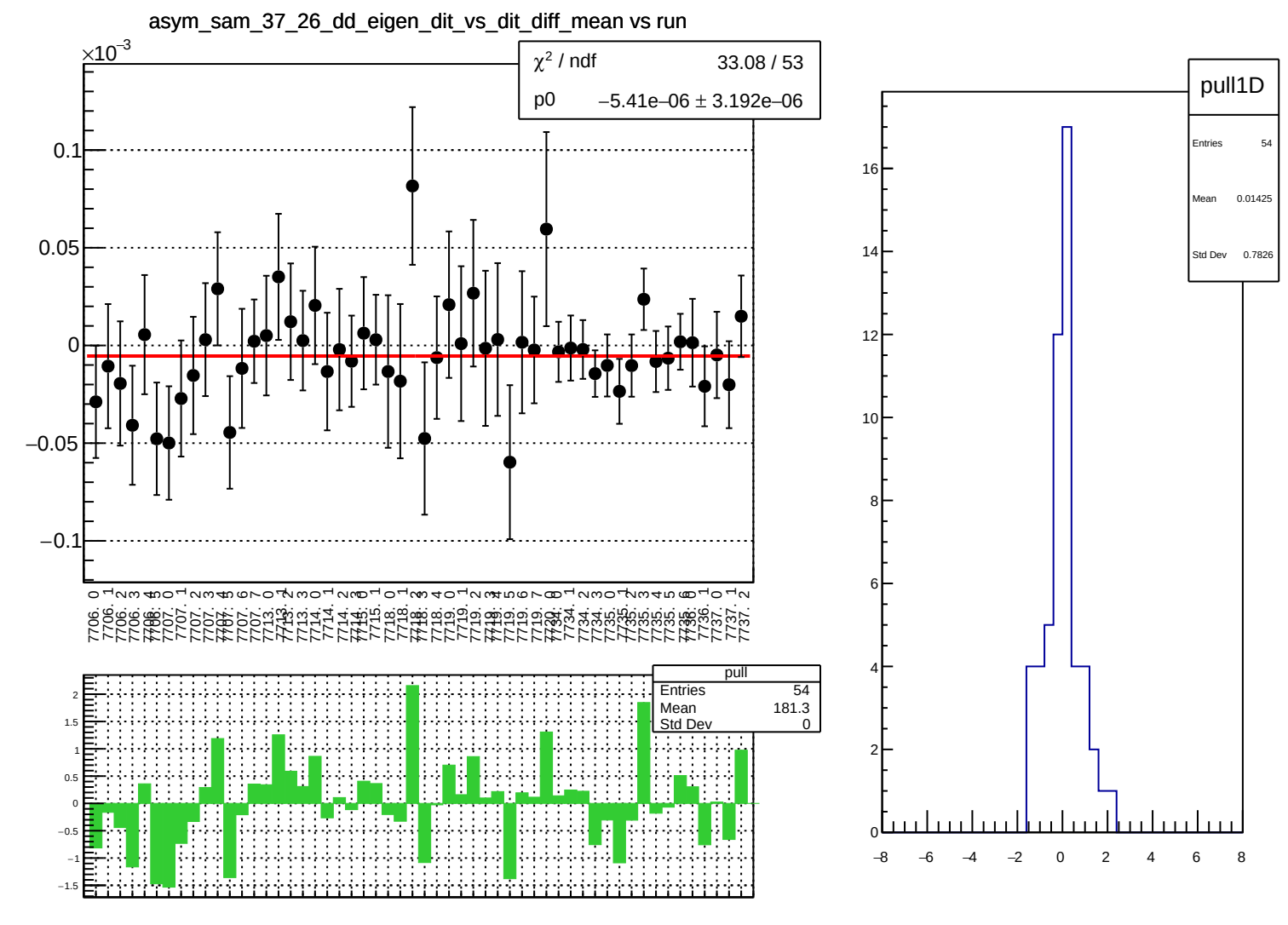

pull1D
Entries 54
Mean −0.008219
Std Dev 0.9761

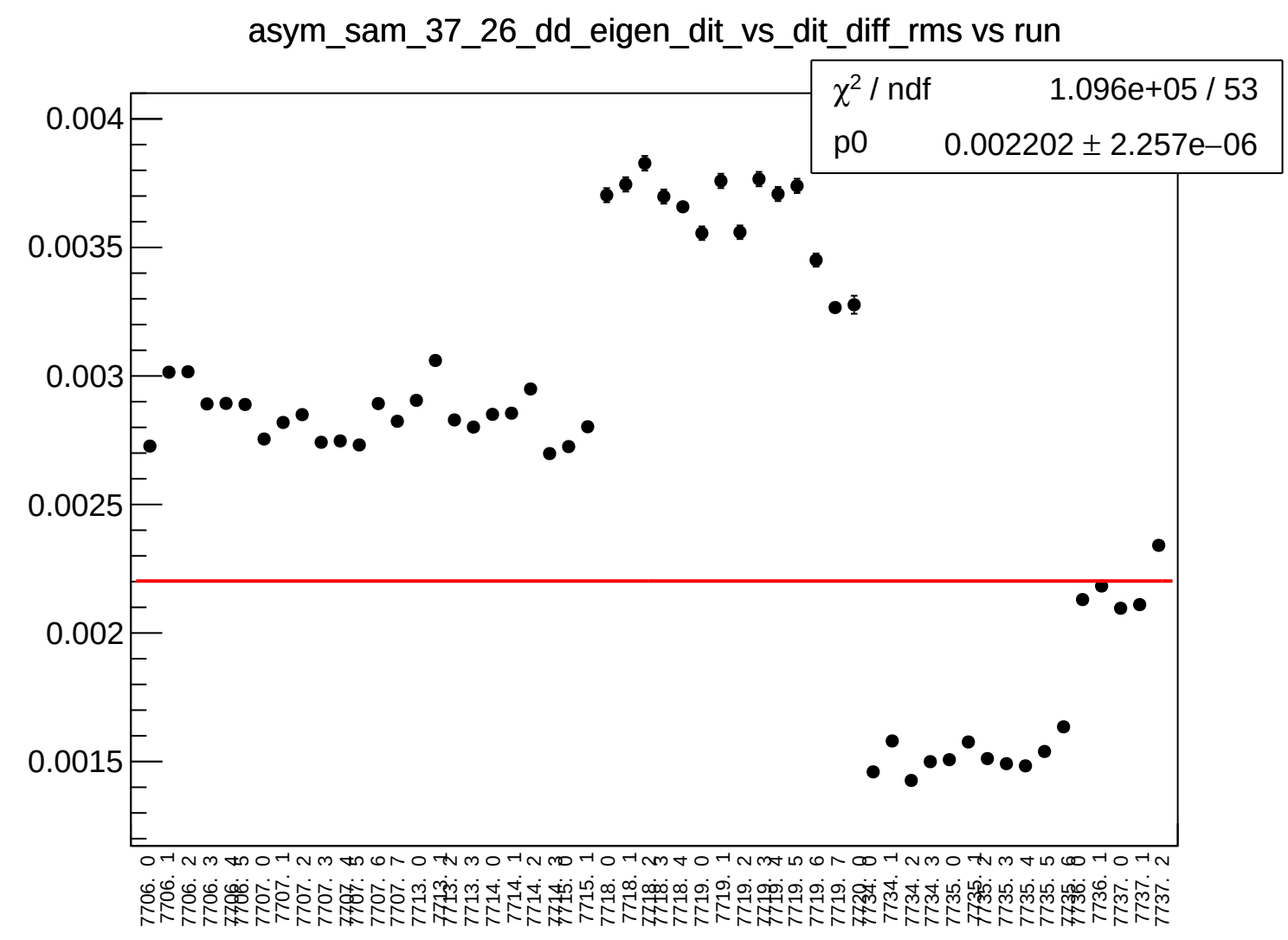

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.169e+04 / 53
p0 44 ± 0.04335
60
55
50
45
40
35
30

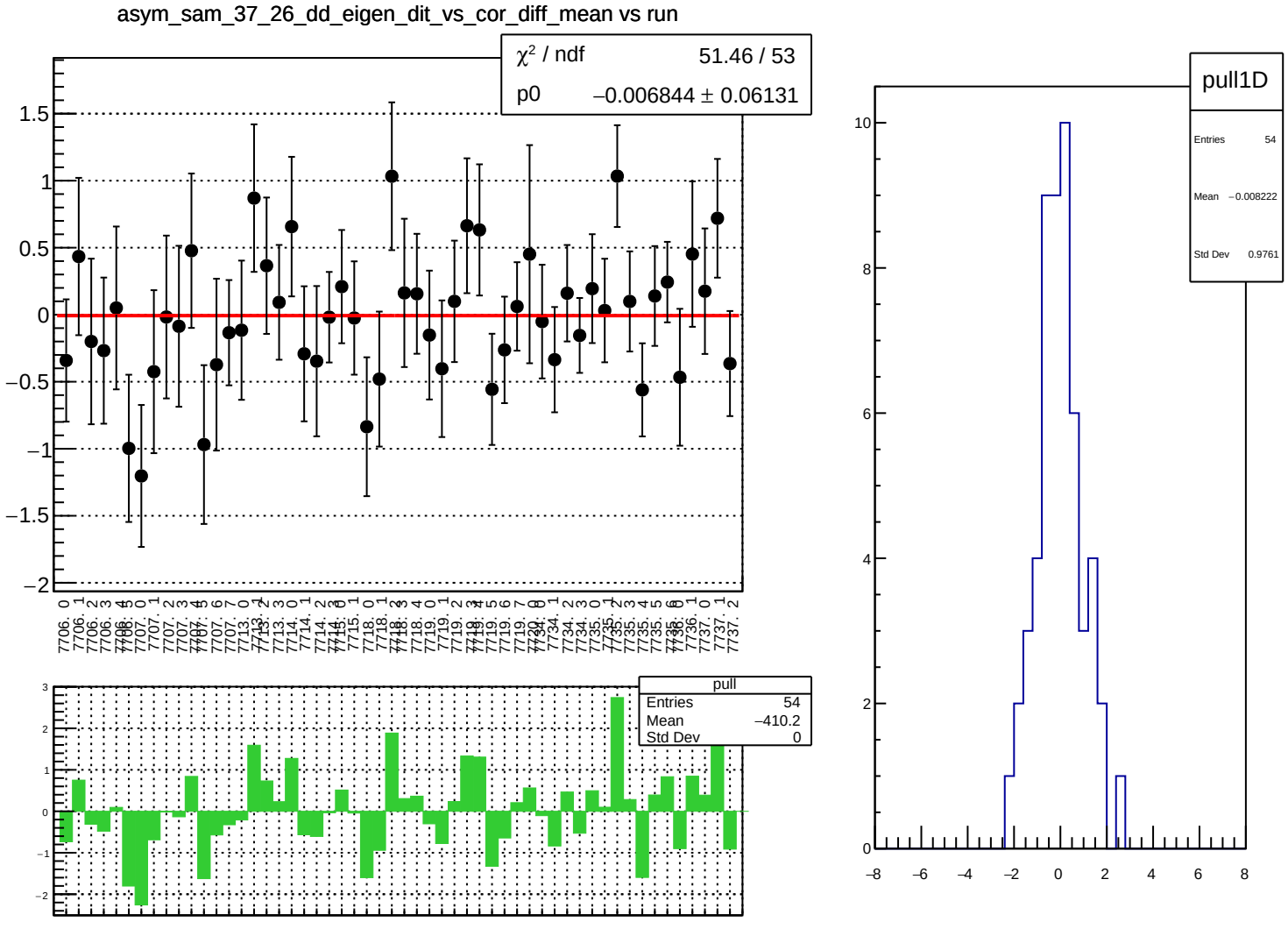

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.46 / 53
p0 −0.006843 ± 0.06131
pull
Entries 54
Mean −410.4
Std Dev 0

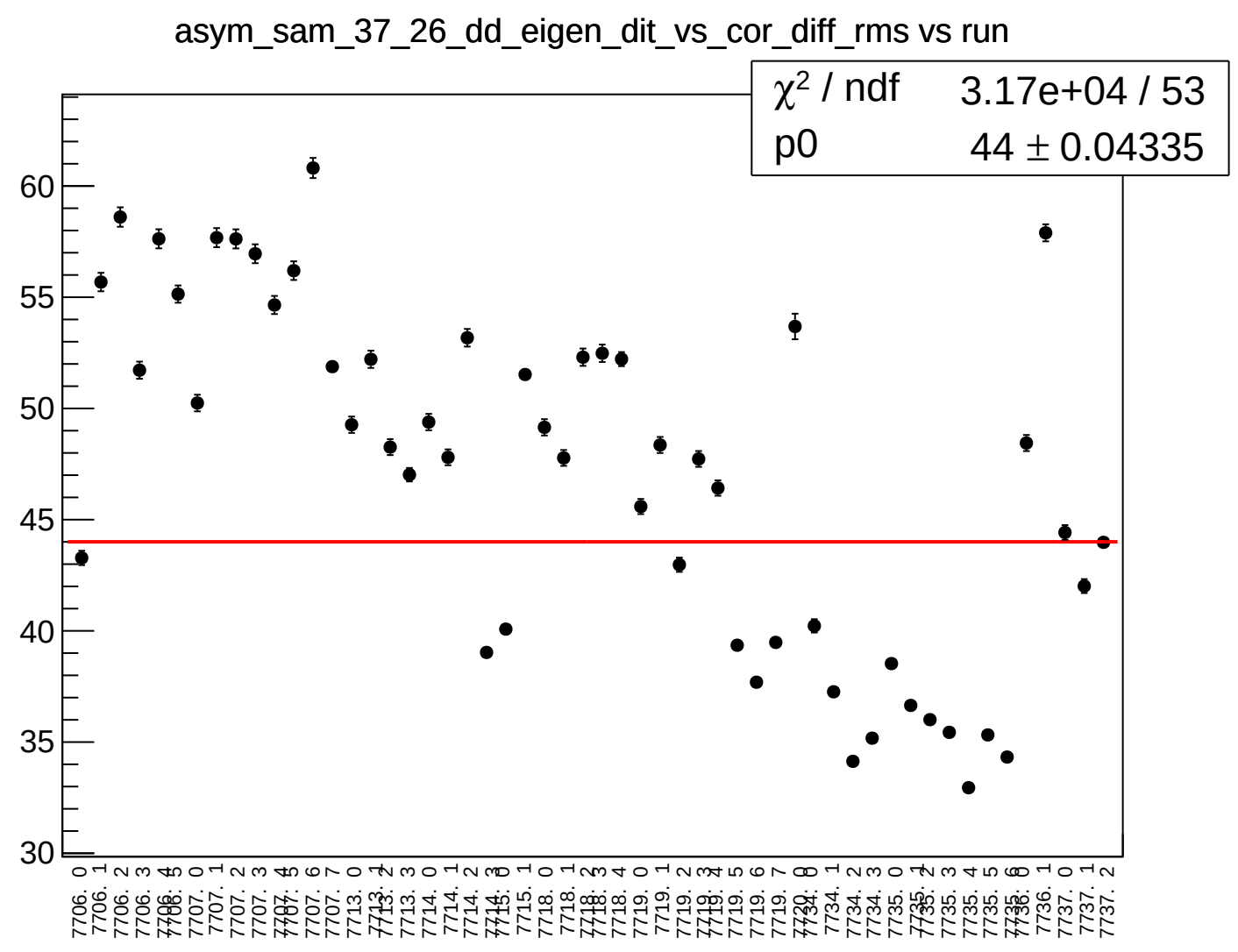

pull1D
Entries 54
Mean −0.008219
Std Dev 0.9761

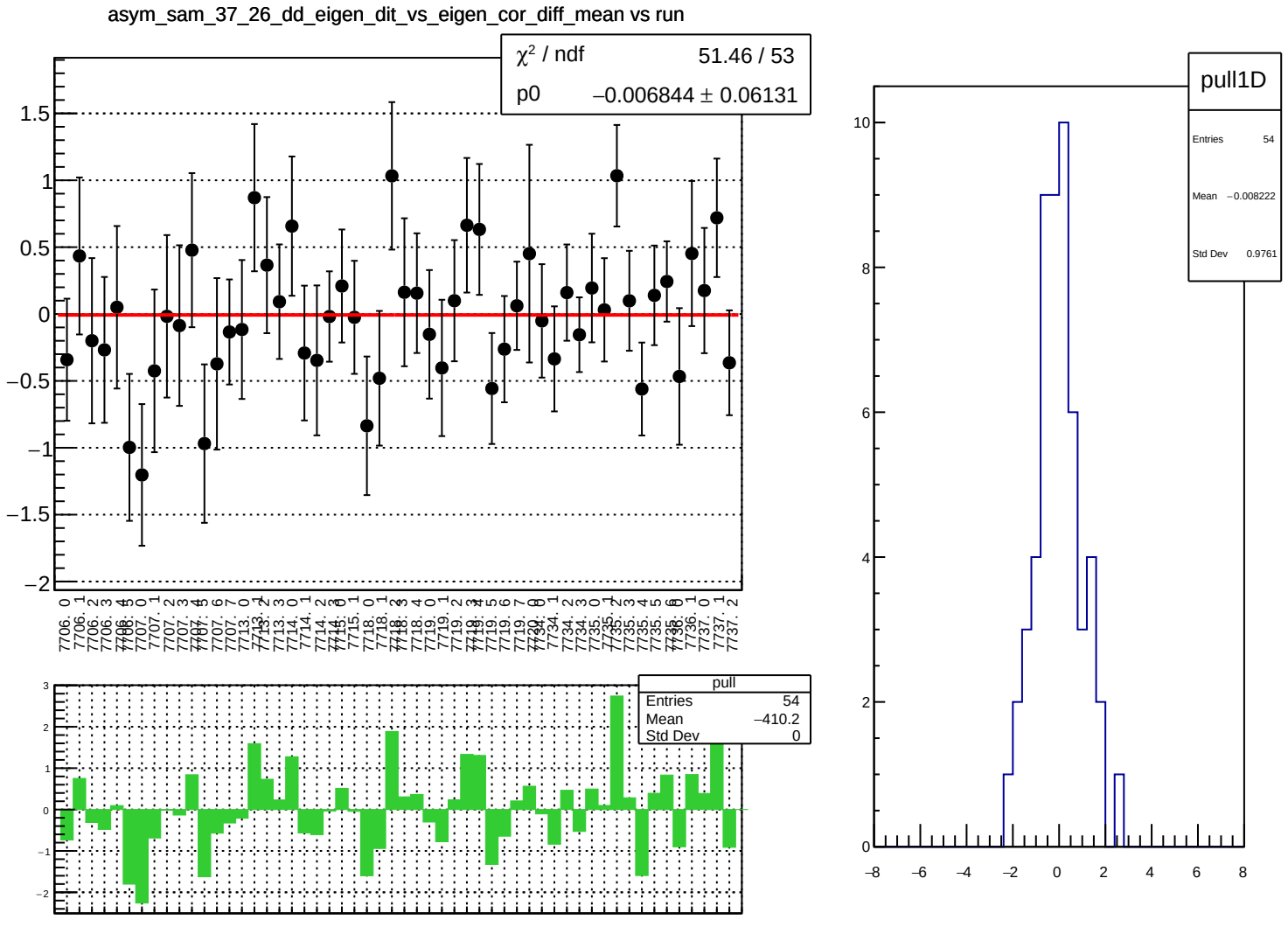

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.169e+04 / 53
p0 44 ± 0.04335
60
55
50
45
40
35
30

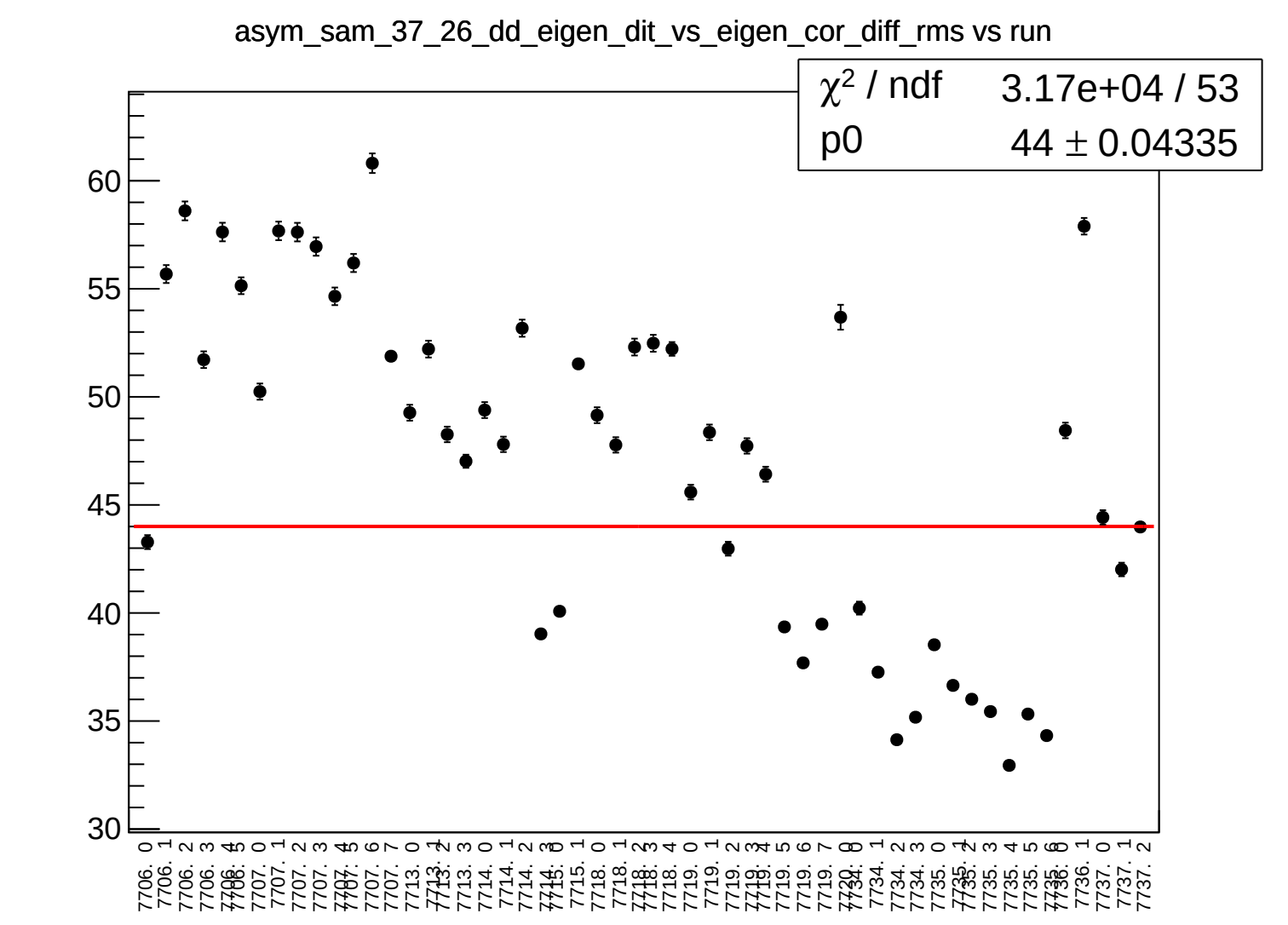

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.08 / 53
p0 −5.41e−06 ± 3.192e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 181.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.01425
Std Dev 0.7826
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

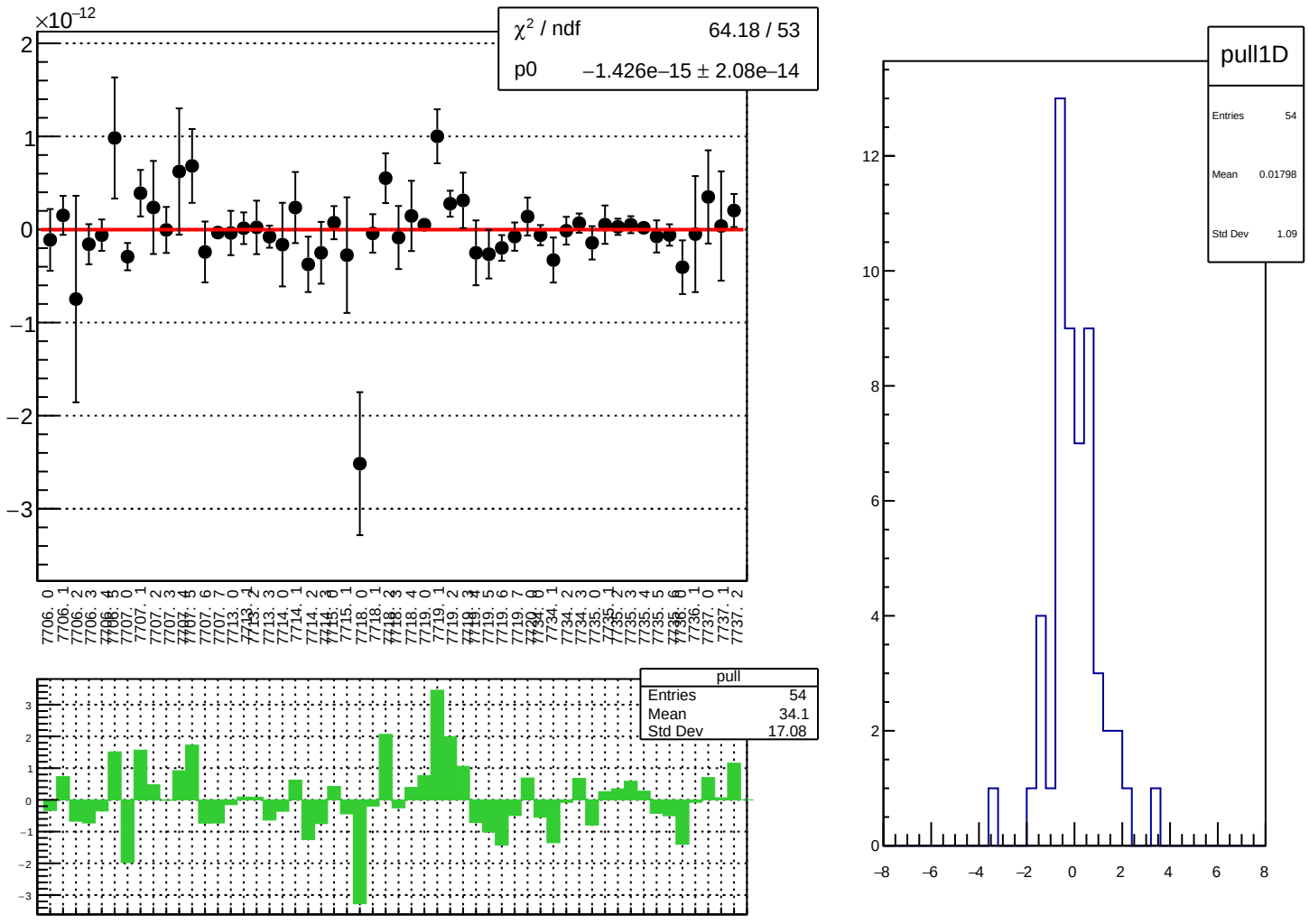

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.096e+05 / 53
p0 0.002202 ± 2.257e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

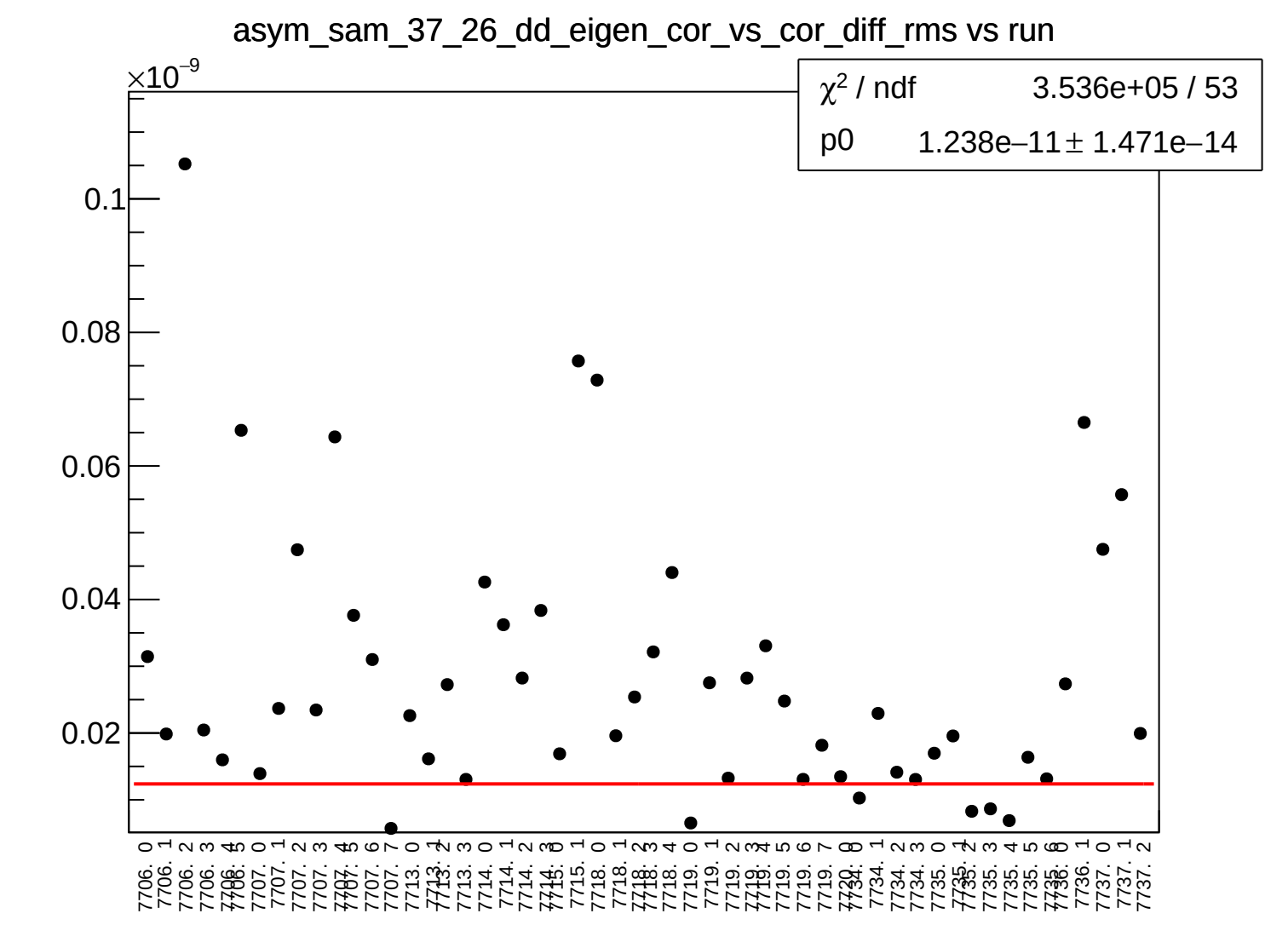

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.46 / 53
p0 −0.006844 ± 0.06131
pull
Entries 54
Mean −410.2
Std Dev 0
pull1D
Entries 54
Mean −0.008222
Std Dev 0.9761

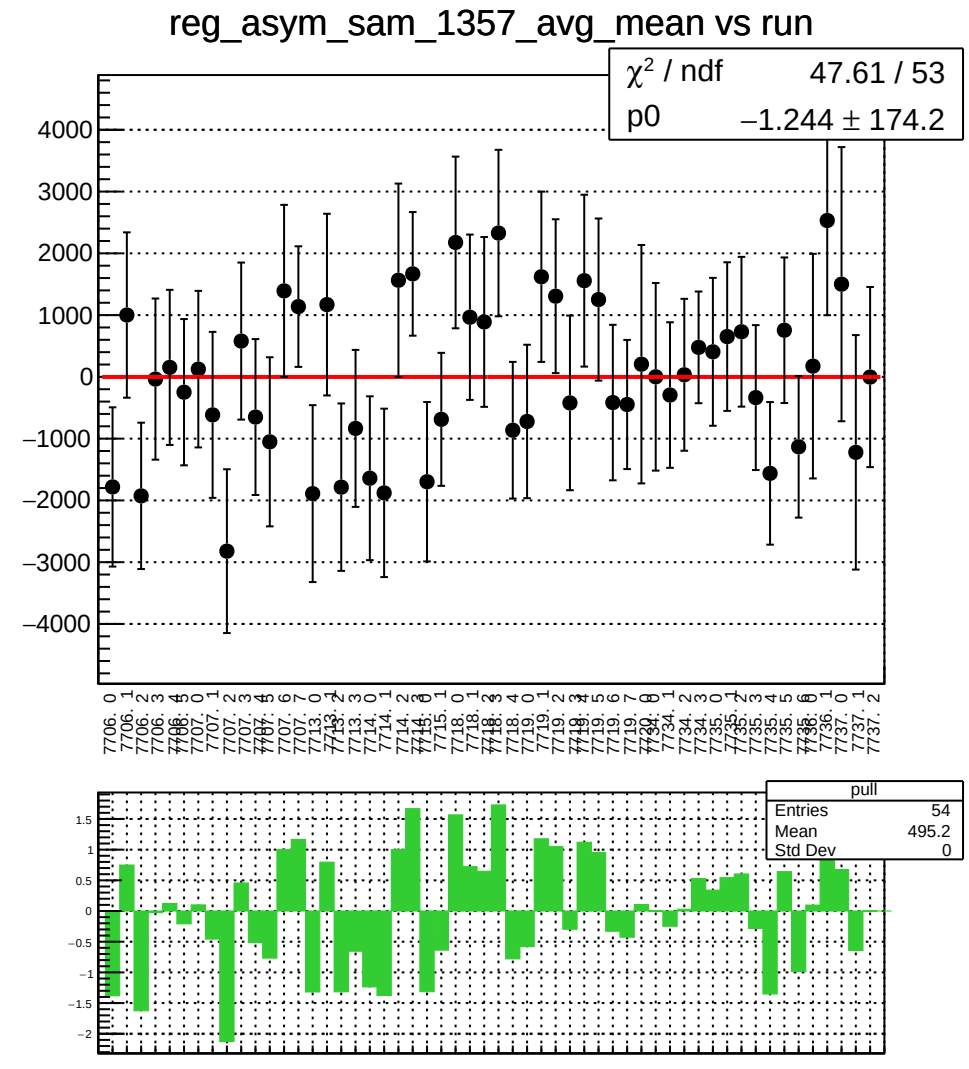

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.17e+04 / 53
p0 44 ± 0.04335
60
55
50
45
40
35
30

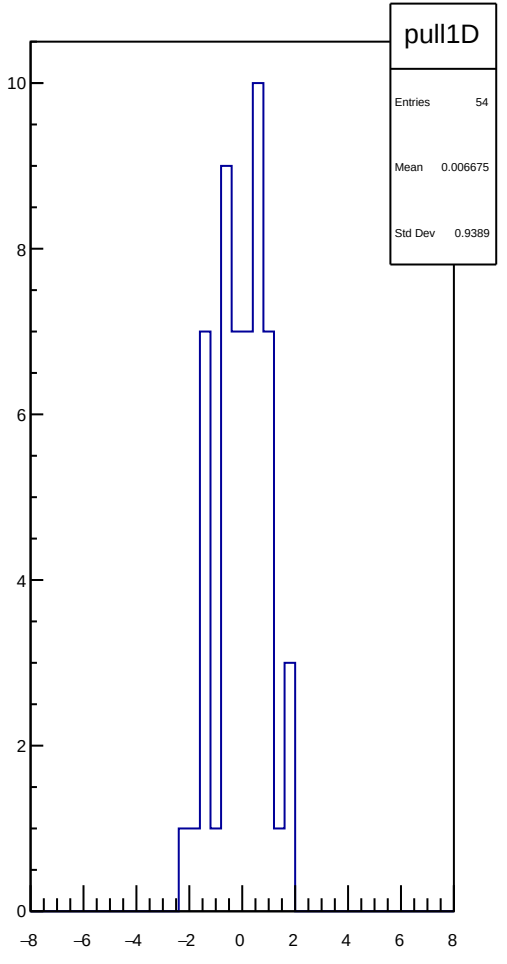

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.46 / 53
p0 −0.006844 ± 0.06131
pull
Entries 54
Mean −410.2
Std Dev 0
pull1D
Entries 54
Mean −0.008222
Std Dev 0.9761

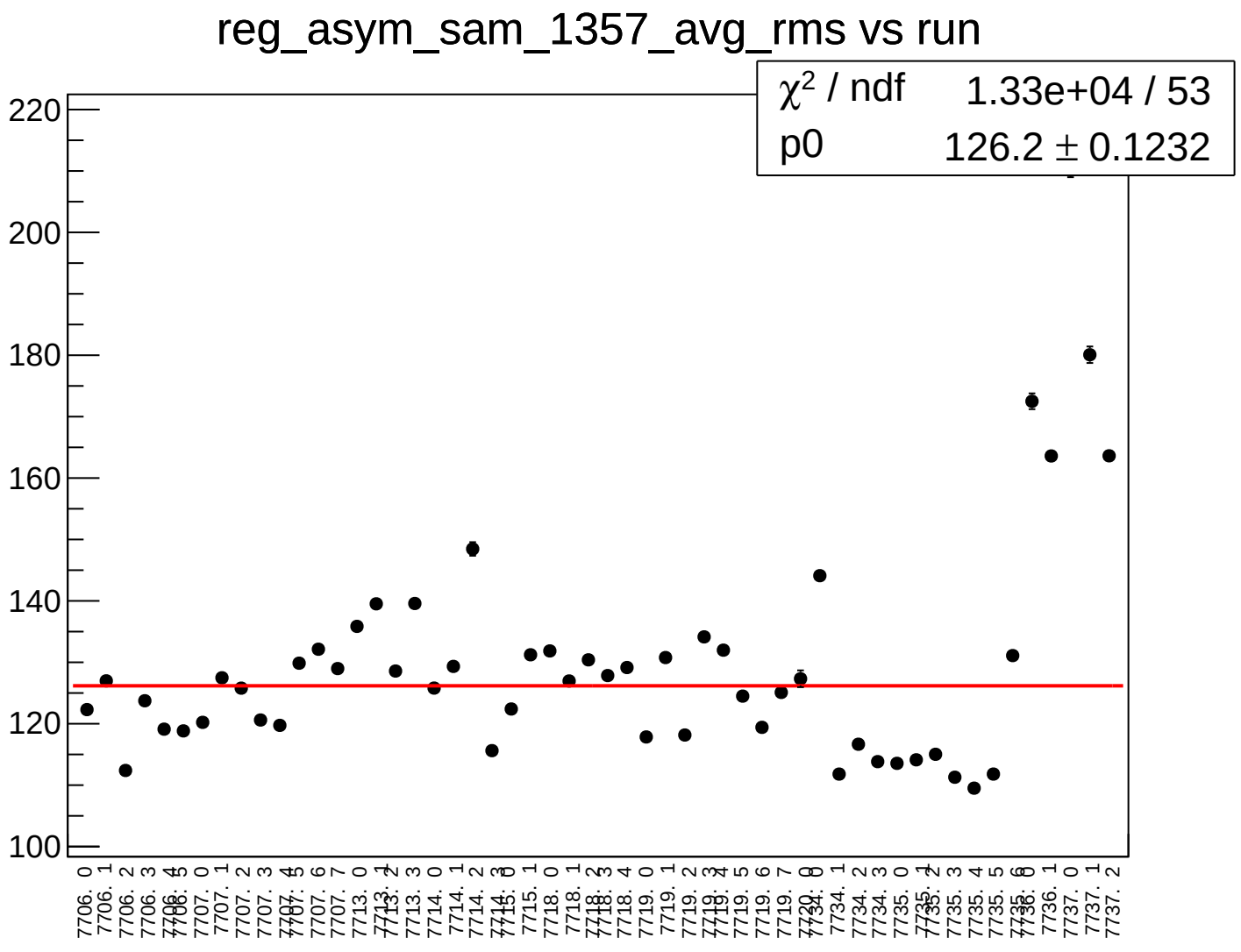

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.17e+04 / 53
p0 44 ± 0.04335
60
55
50
45
40
35
30

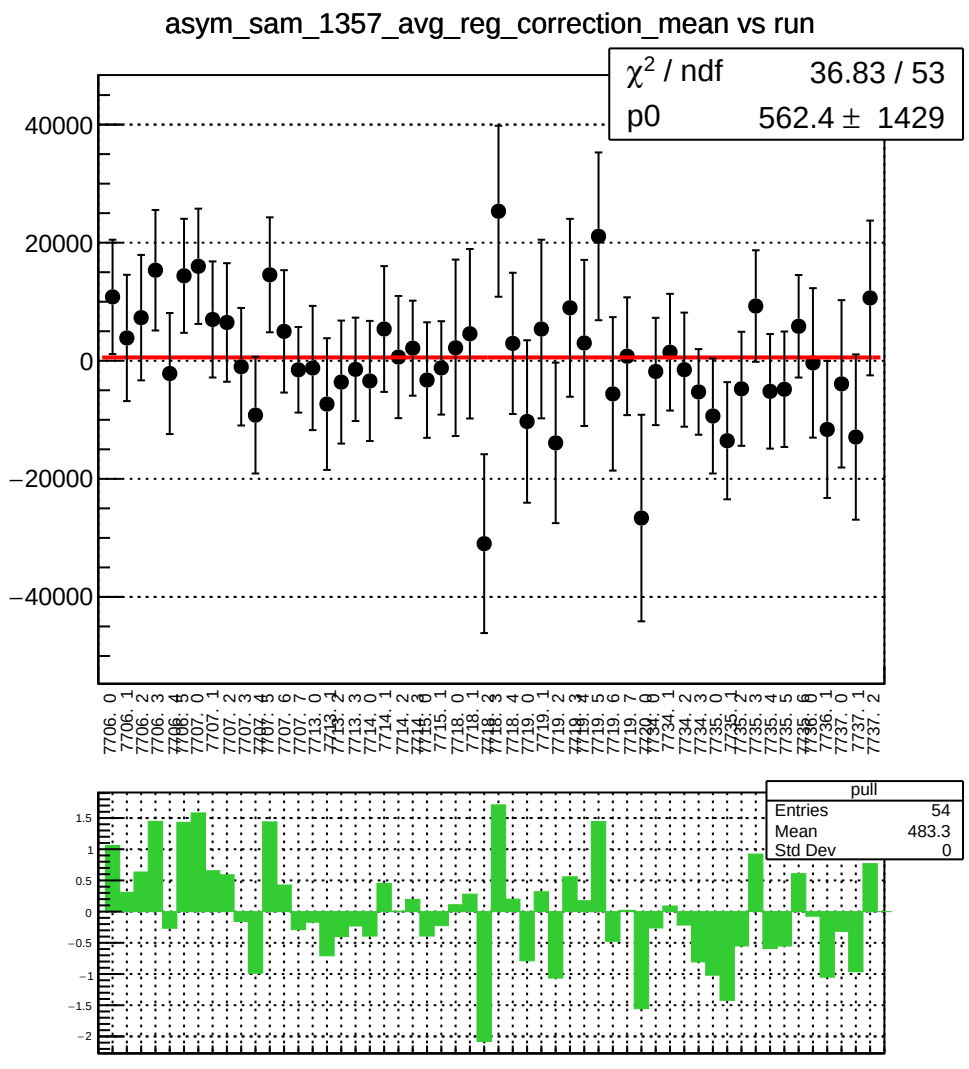

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.18 / 53
p0 −1.426e−15 ± 2.08e−14
pull
Entries 54
Mean 34.1
Std Dev 17.08
pull1D
Entries 54
Mean 0.01798
Std Dev 1.09

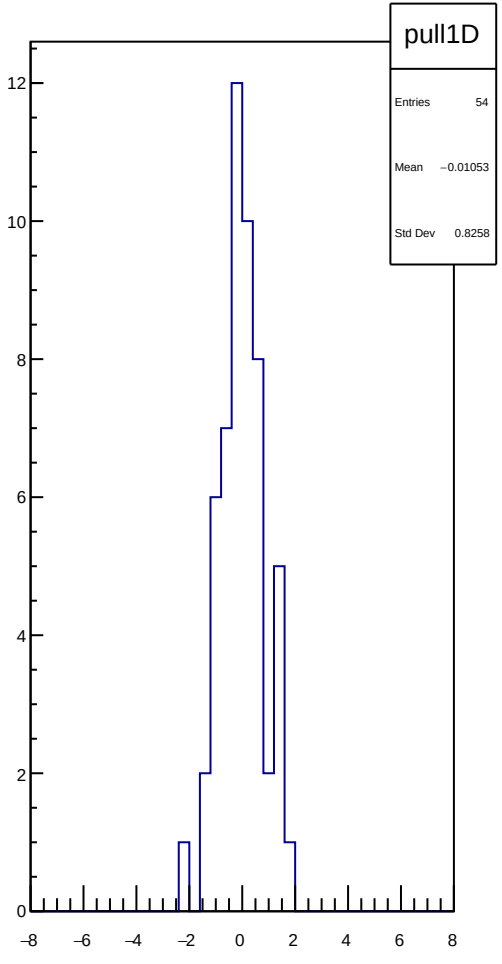

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.536e+05 / 53
p0 1.238e−11 ± 1.471e−14
0.1
0.08
0.06
0.04
0.02

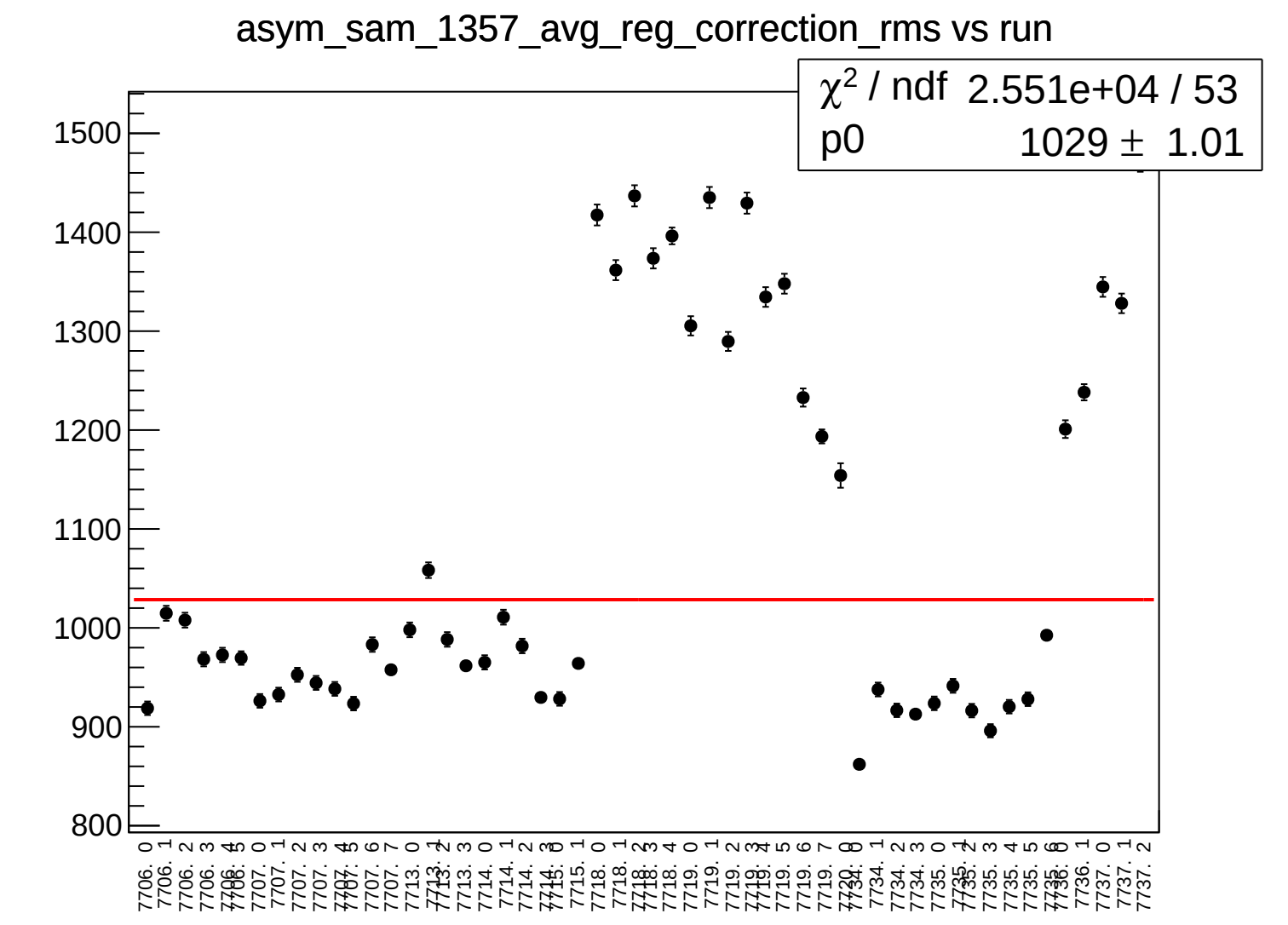

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 47.61 / 53
p0 −1.244 ± 174.2
pull
Entries 54
Mean 495.2
Std Dev 0

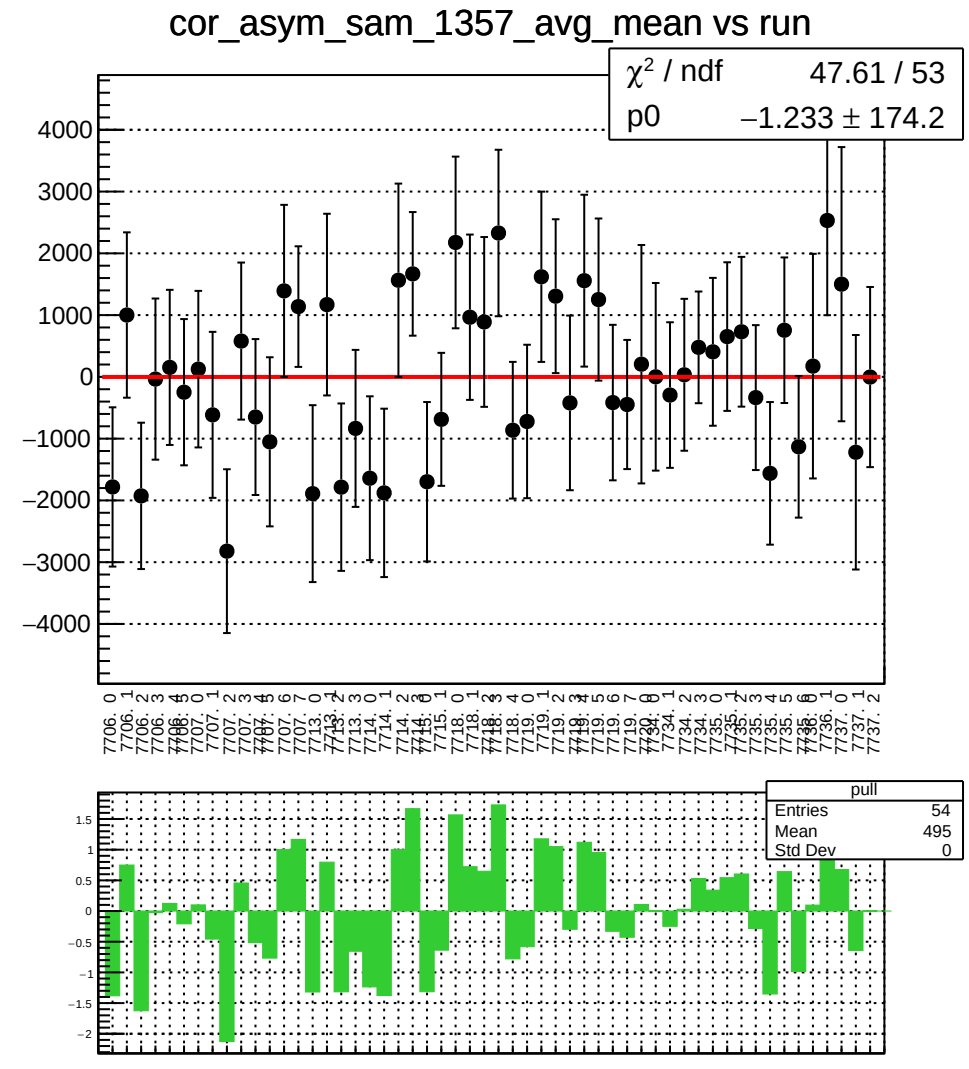

pull1D
Entries 54
Mean 0.006675
Std Dev 0.9389

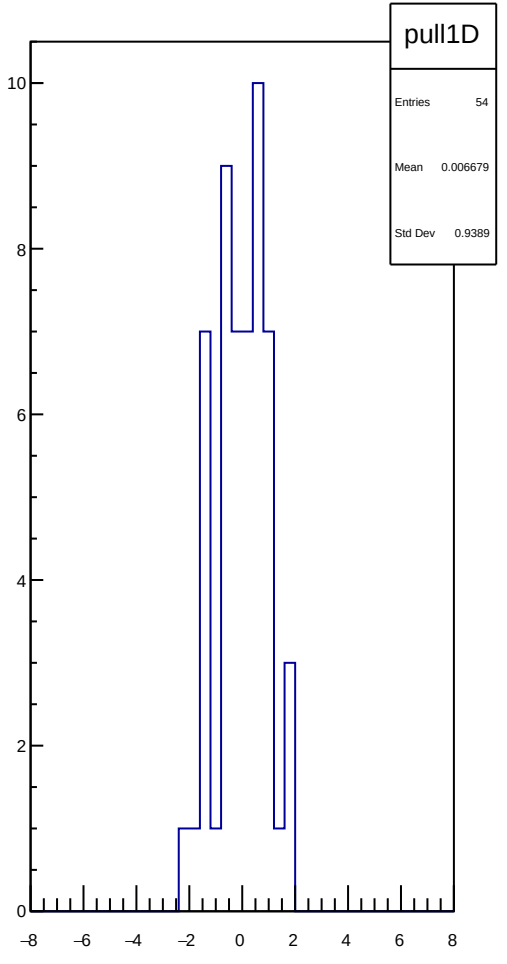

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 1.33e+04 / 53
p0 126.2 ± 0.1232
220
200
180
160
140
120
100

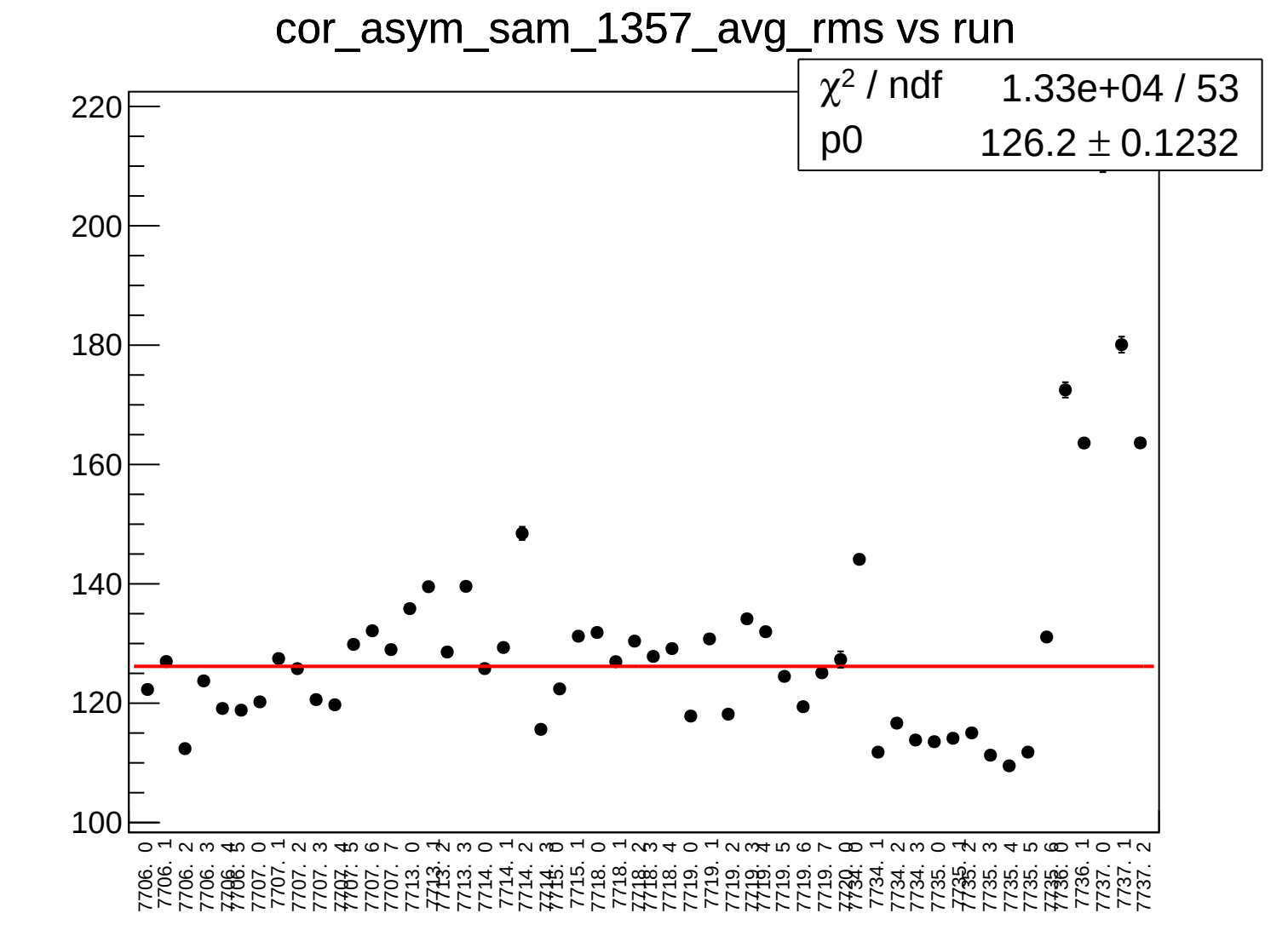

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 36.83 / 53
p0 562.4 ± 1429
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 483.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

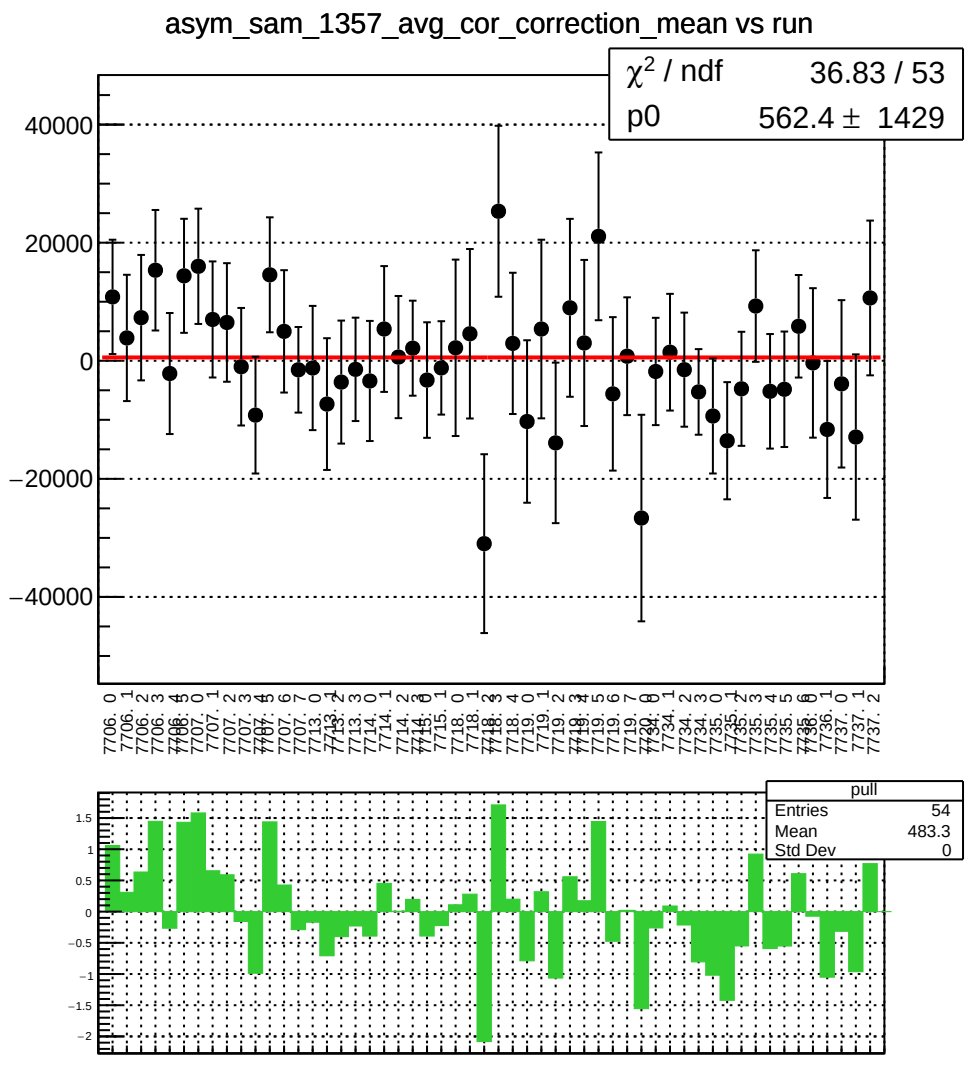

pull1D
Entries 54
Mean −0.01053
Std Dev 0.8258
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

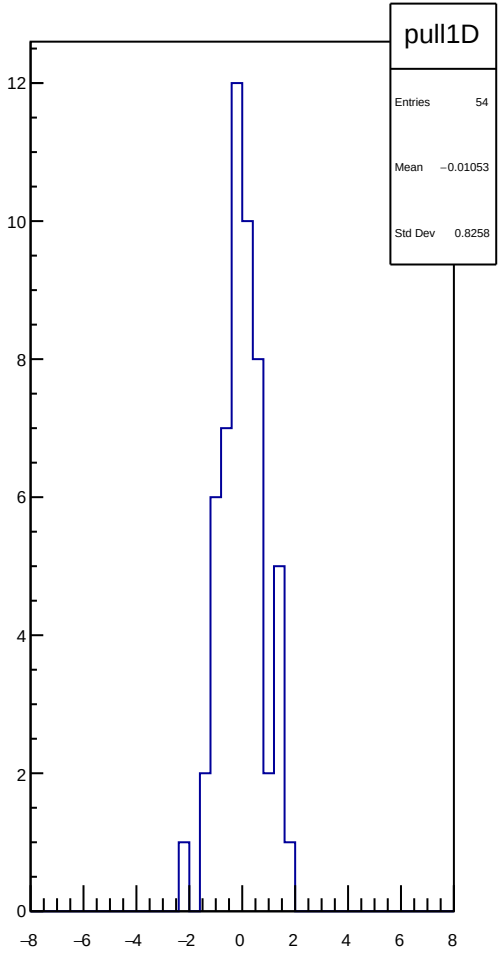

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 2.551e+04 / 53
p0 1029 ± 1.01
1500
1400
1300
1200
1100
1000
900
800

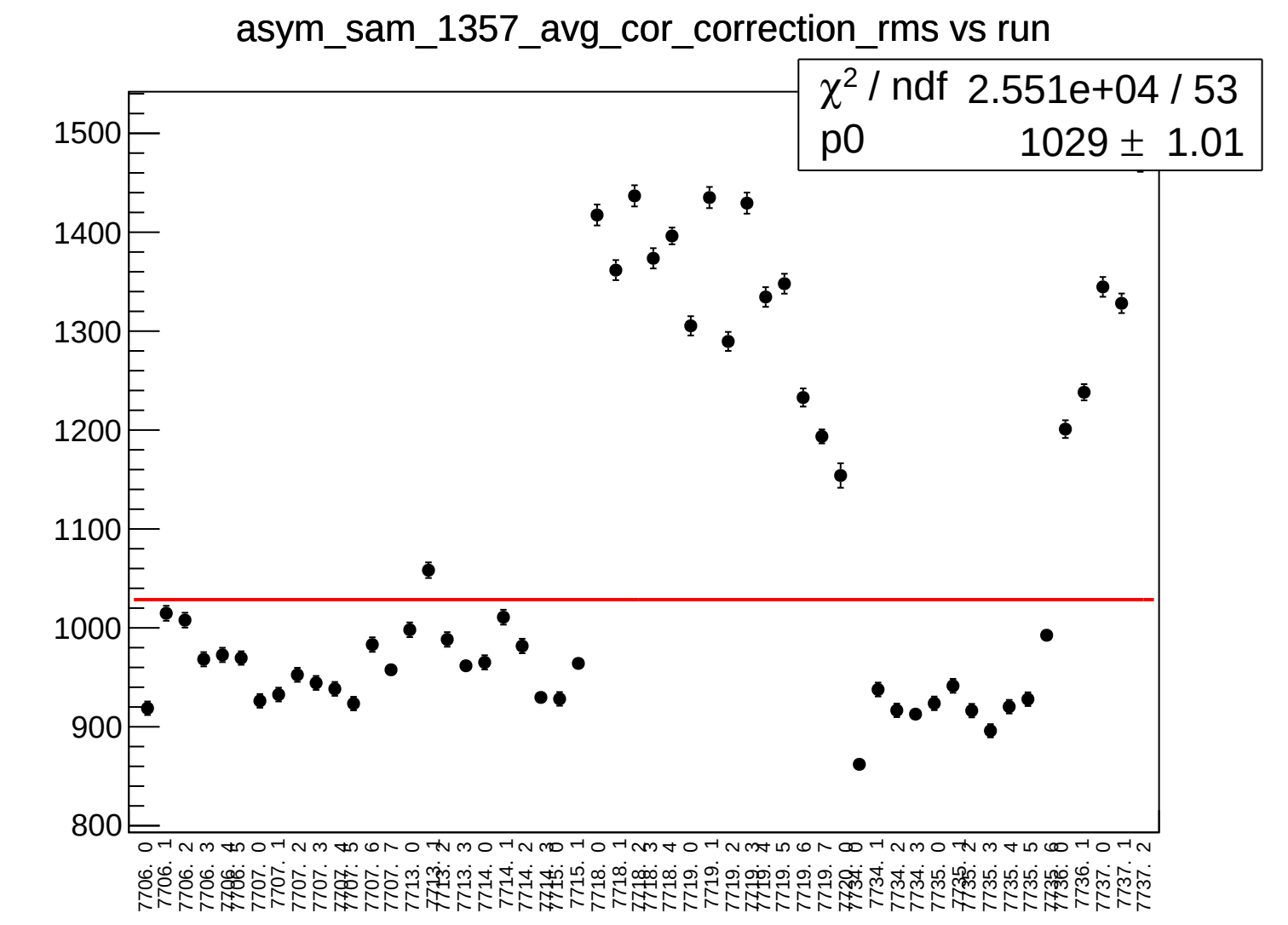

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 47.61 / 53
p0 −1.233 ± 174.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 495
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

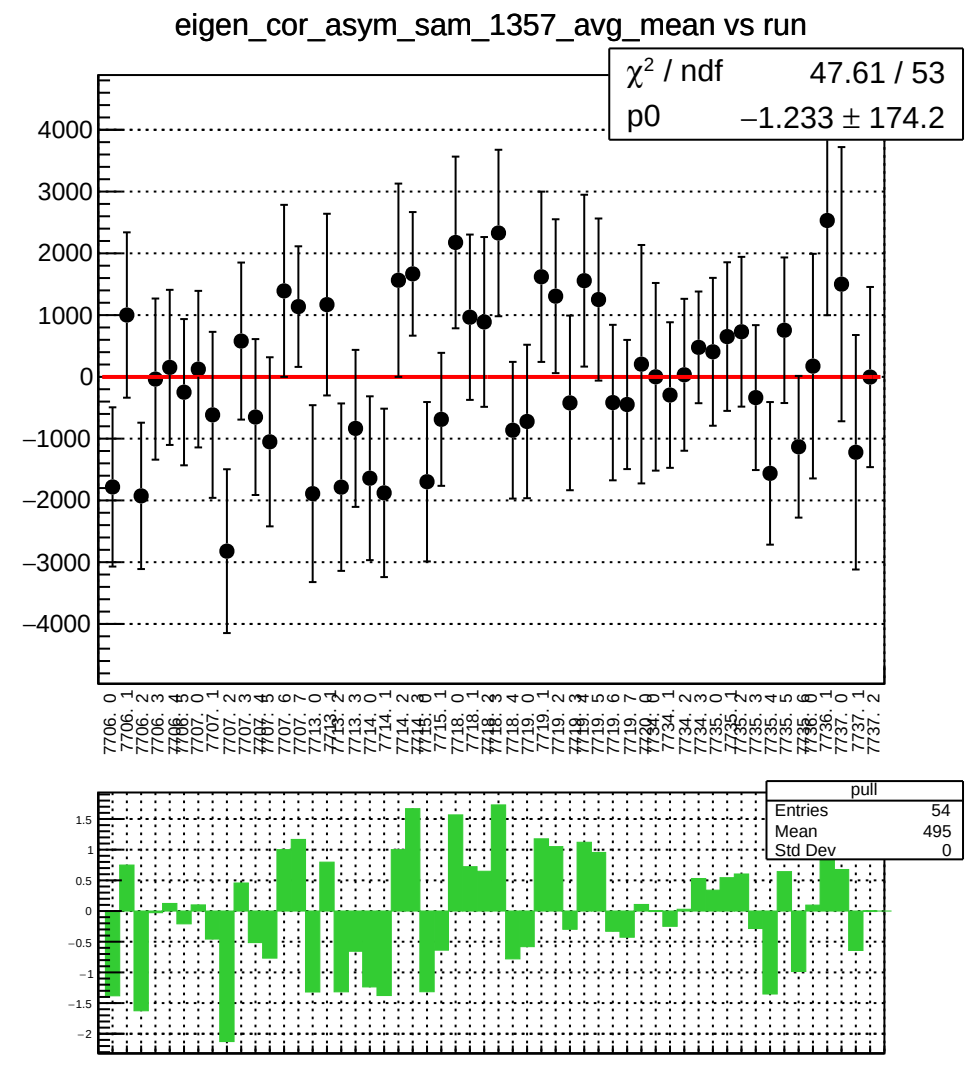

pull1D
Entries 54
Mean 0.006679
Std Dev 0.9389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

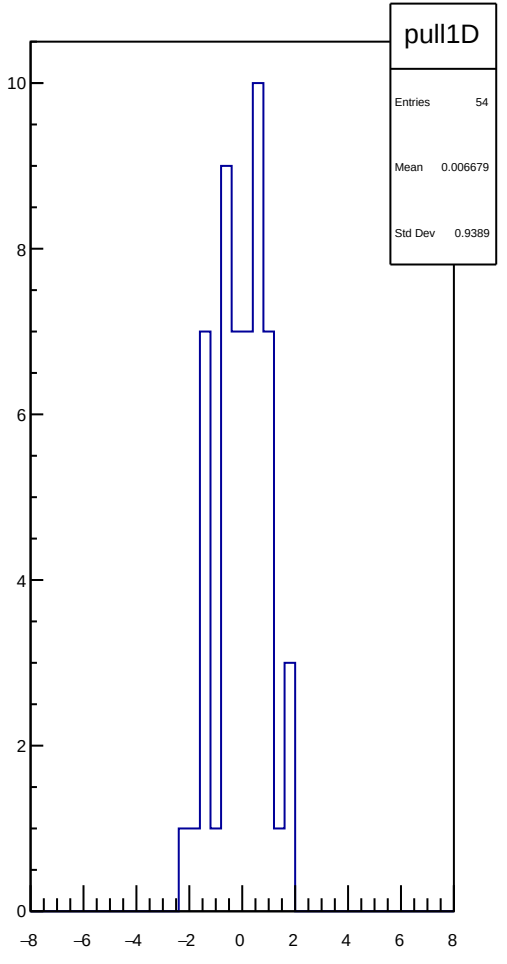

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.33e+04 / 53
p0 126.2 ± 0.1232
220
200
180
160
140
120
100

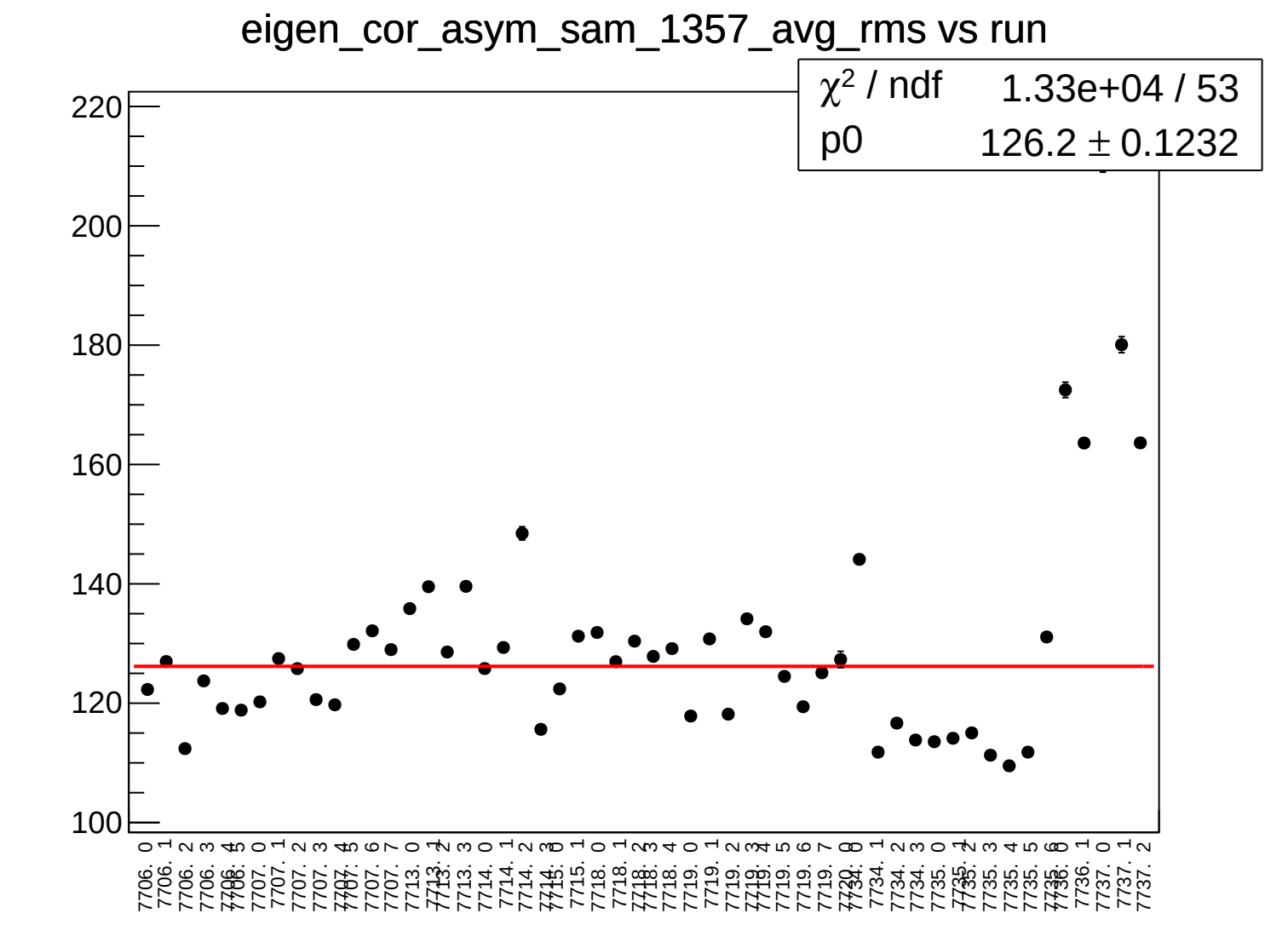

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 36.83 / 53
p0 562.4 ± 1429
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 483.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

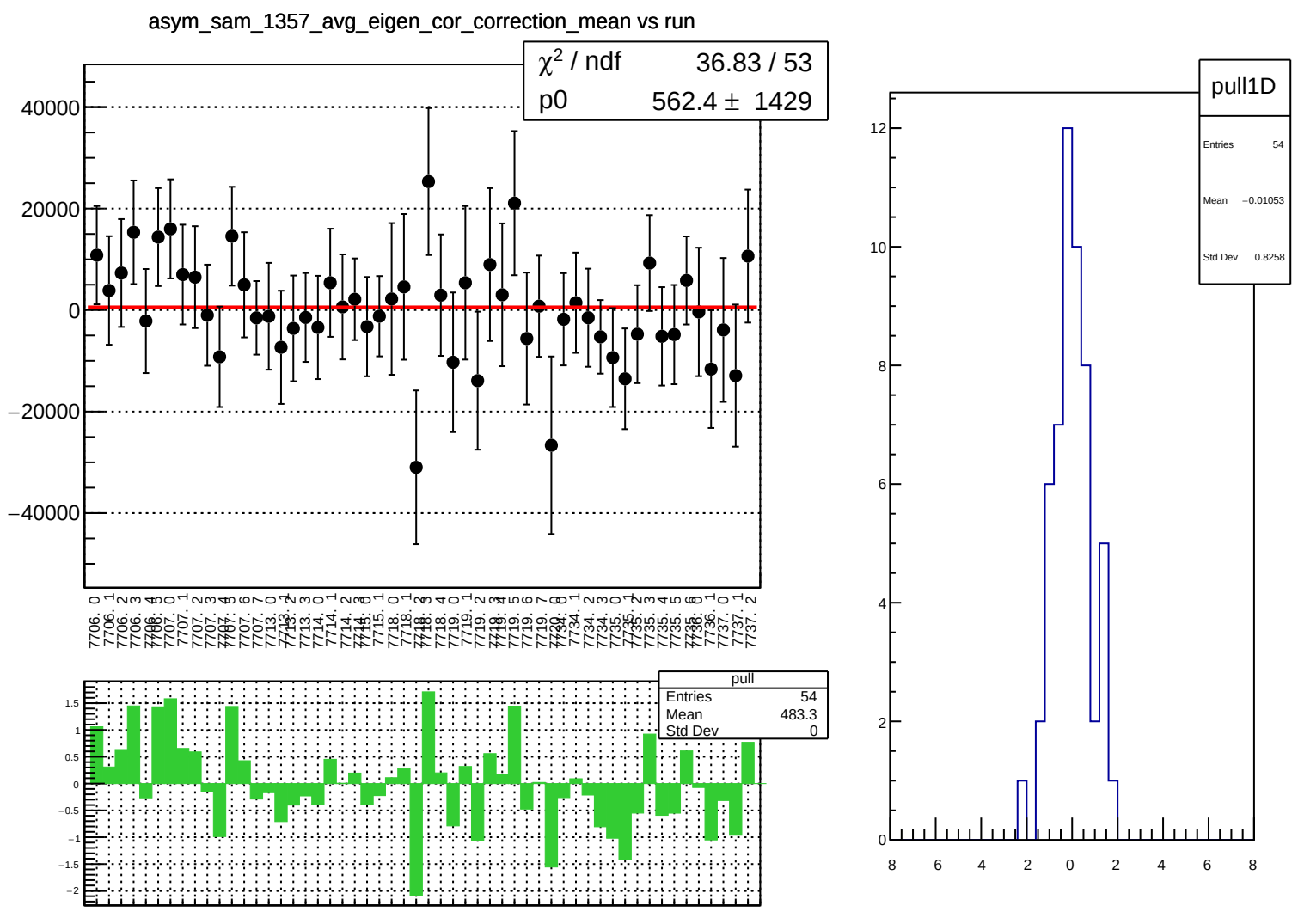

pull1D
Entries 54
Mean −0.01053
Std Dev 0.8258
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

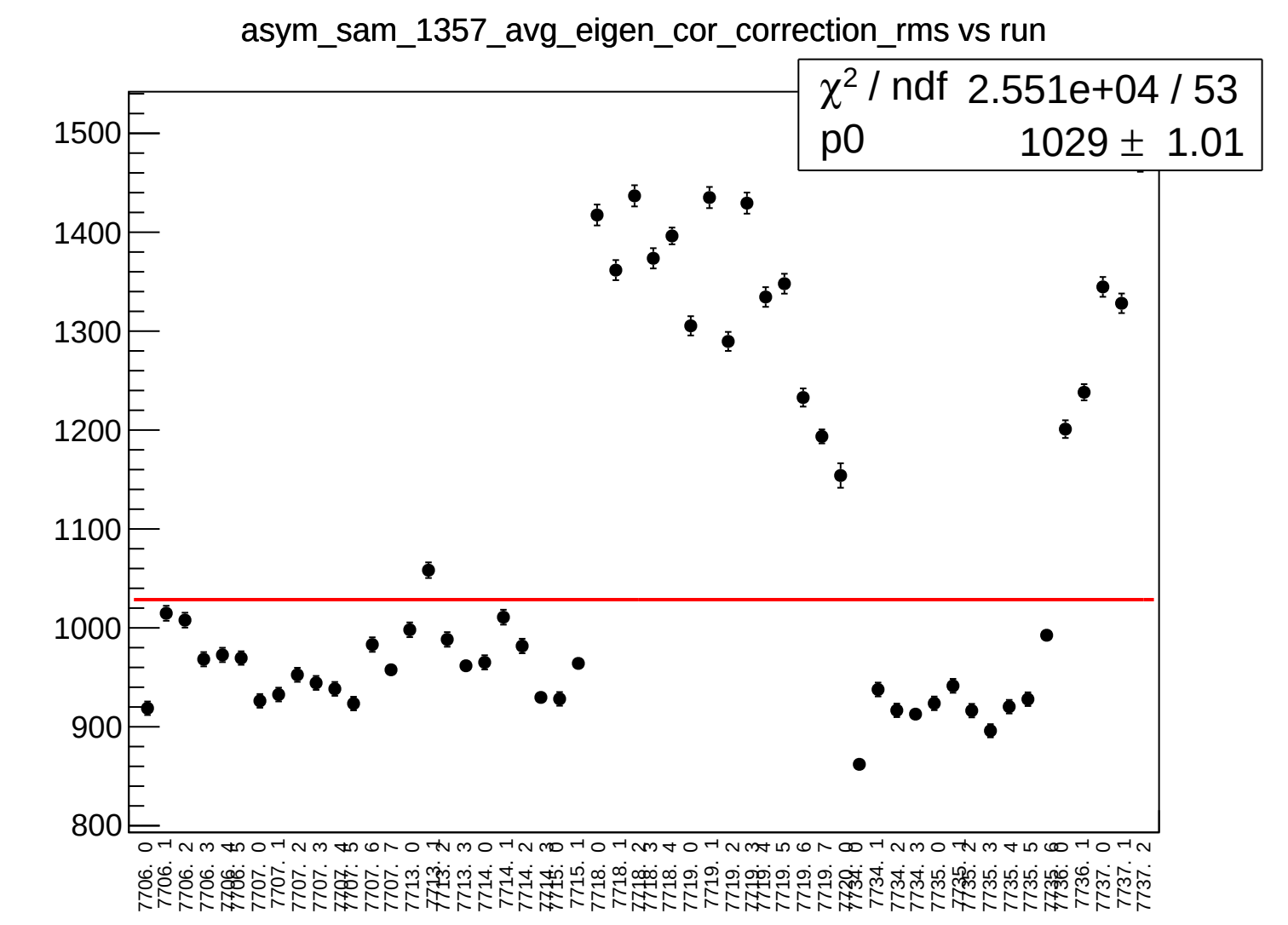

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 2.551e+04 / 53
p0 1029 ± 1.01
1500
1400
1300
1200
1100
1000
900
800

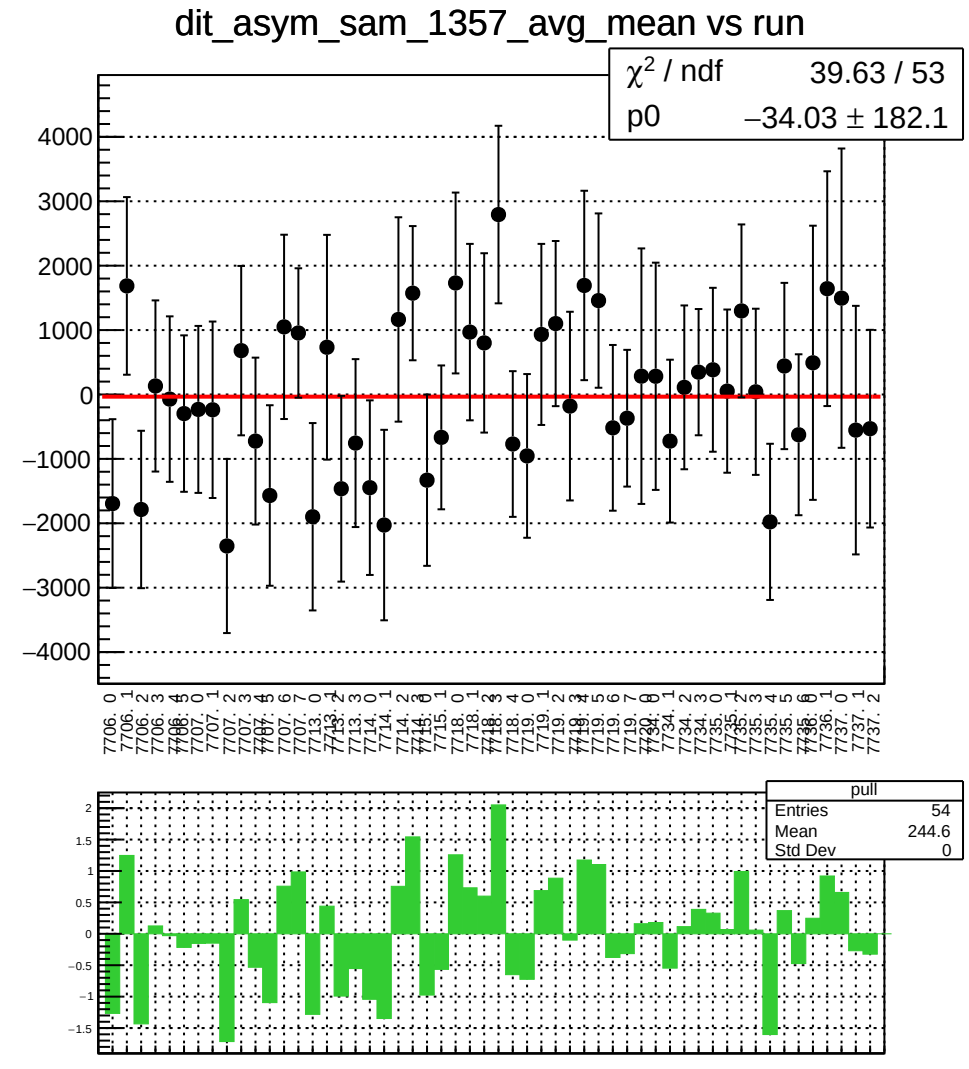

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 47.61 / 53
p0 −1.233 ± 174.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 495
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

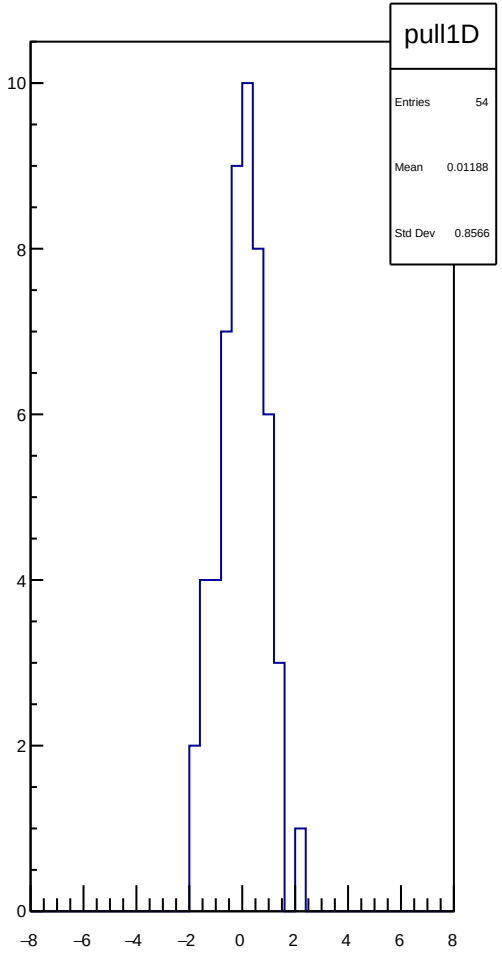

pull1D
Entries 54
Mean 0.006679
Std Dev 0.9389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

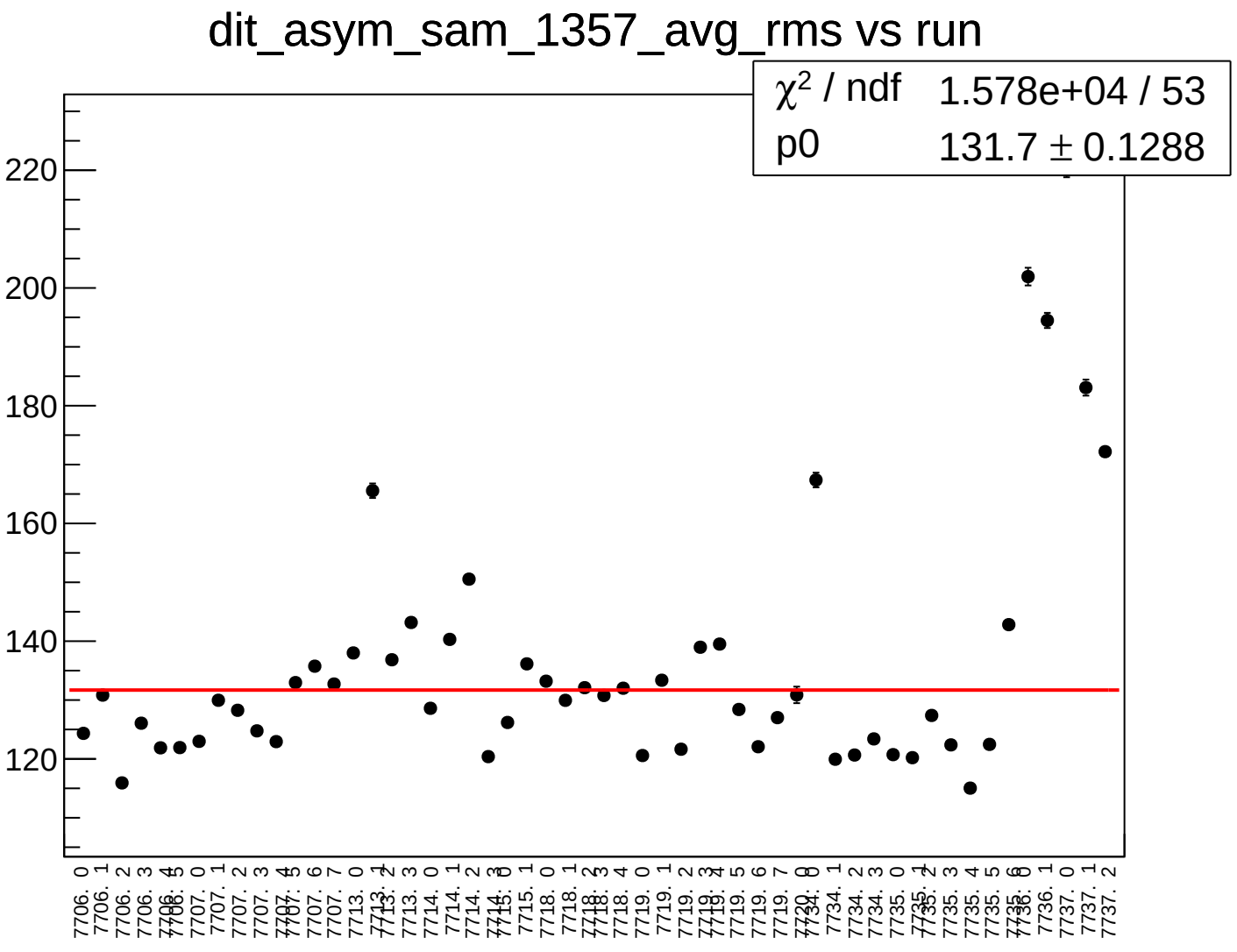

eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.33e+04 / 53
p0 126.2 ± 0.1232
220
200
180
160
140
120
100

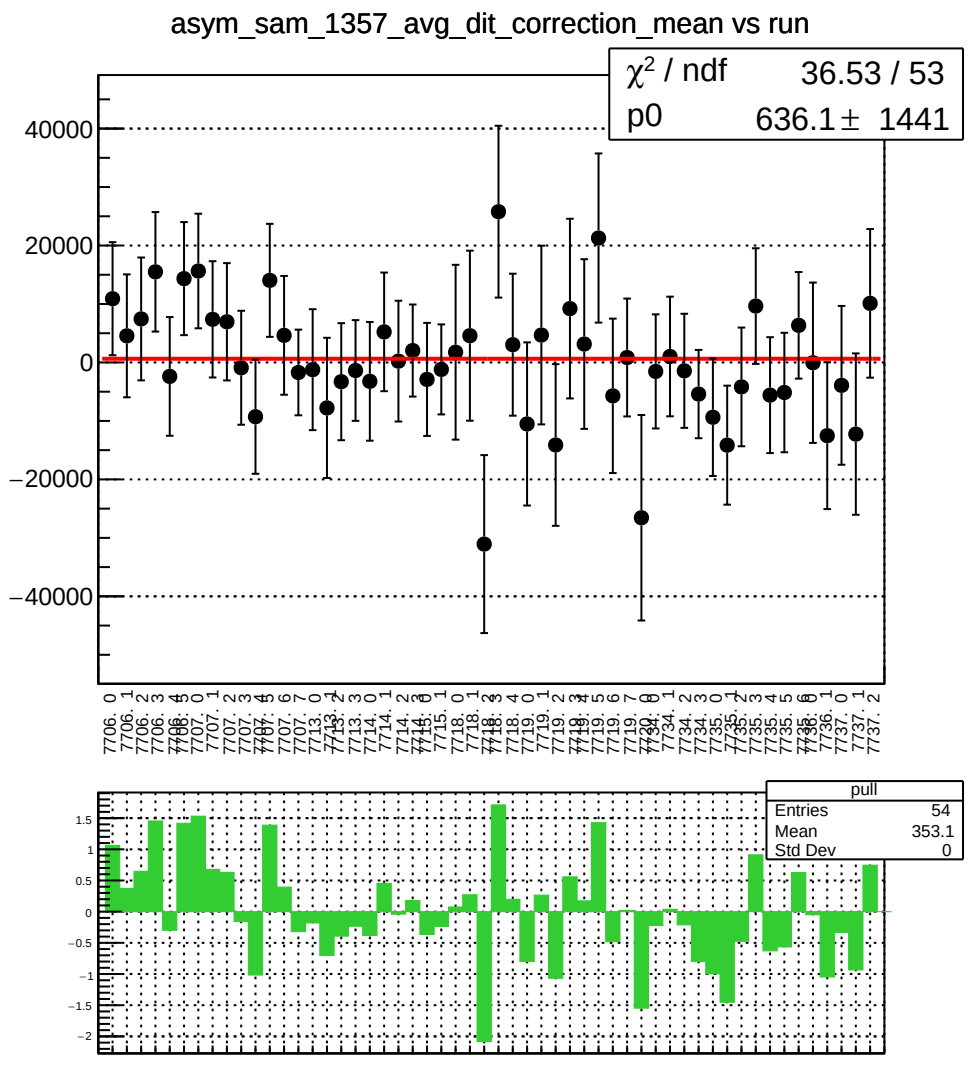

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 36.83 / 53
p0 562.4 ± 1429
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 483.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01053
Std Dev 0.8258
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

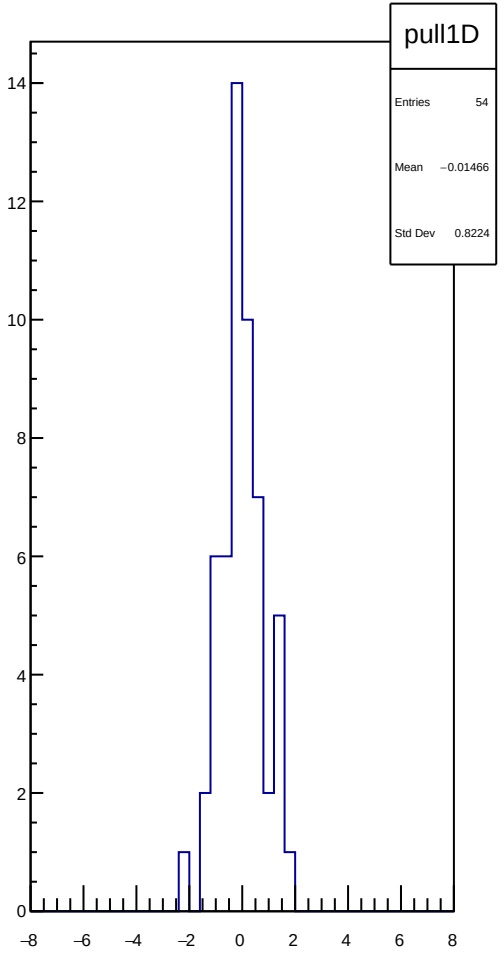

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.551e+04 / 53
p0 1029 ± 1.01
1500
1400
1300
1200
1100
1000
900
800

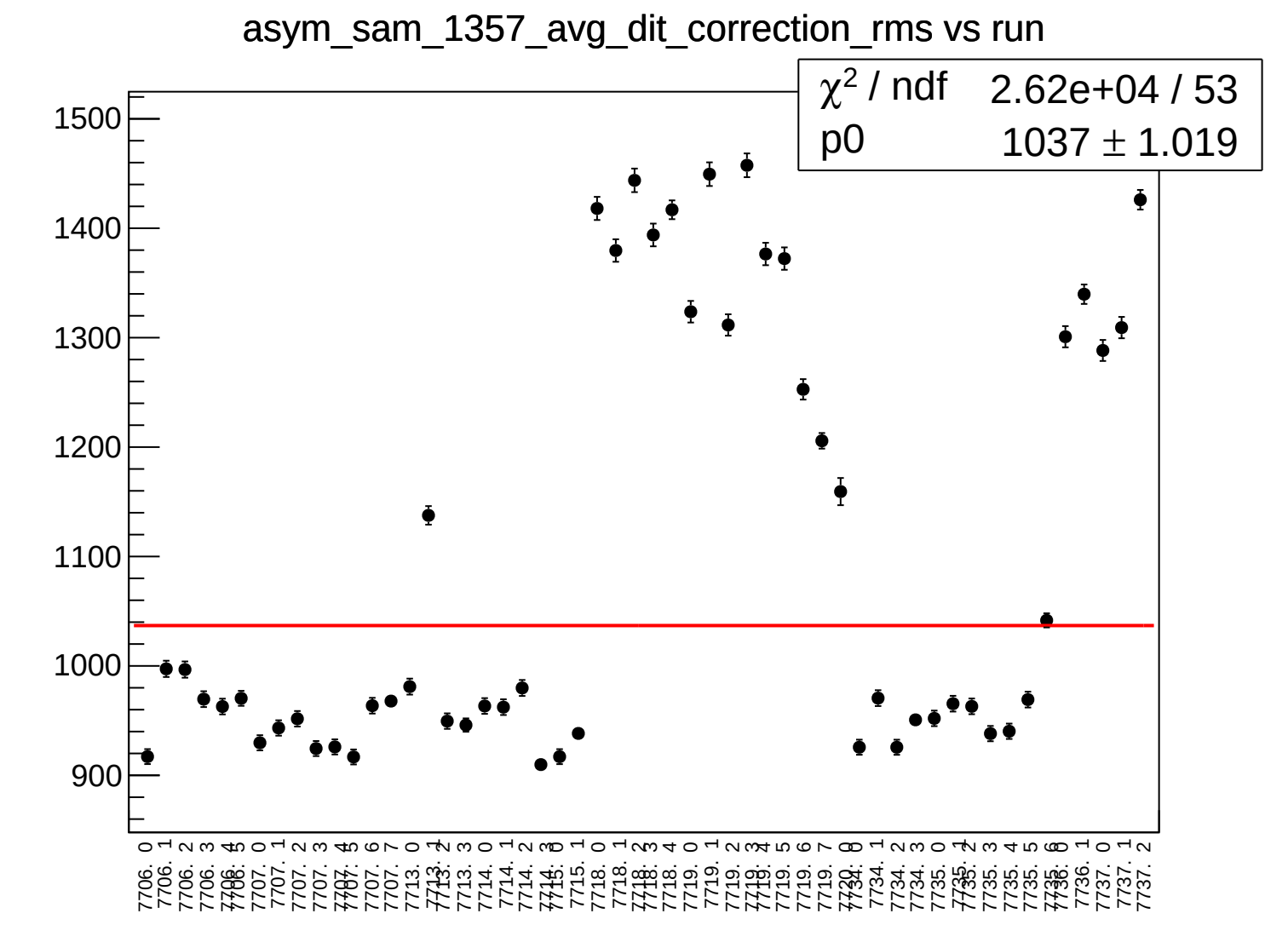

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 39.63 / 53
p0 −34.03 ± 182.1
pull
Entries 54
Mean 244.6
Std Dev 0

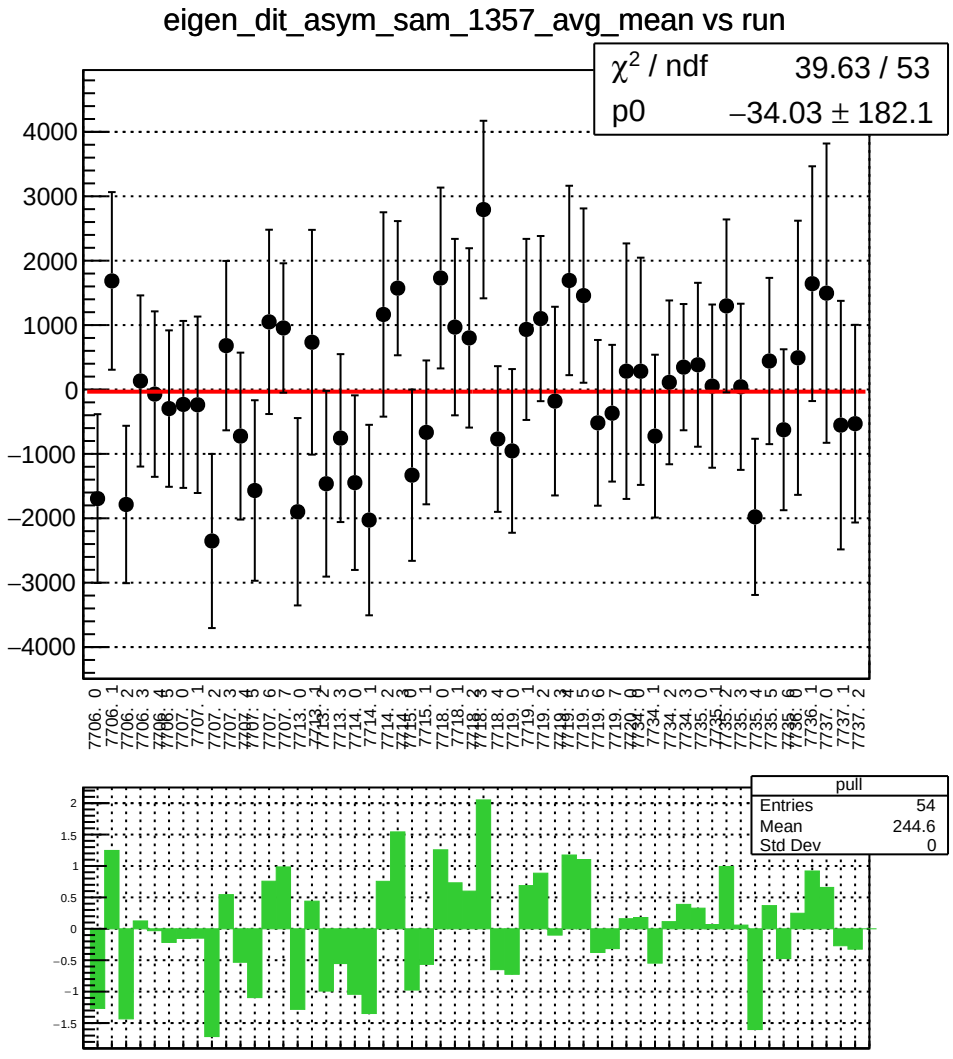

pull1D
Entries 54
Mean 0.01188
Std Dev 0.8566

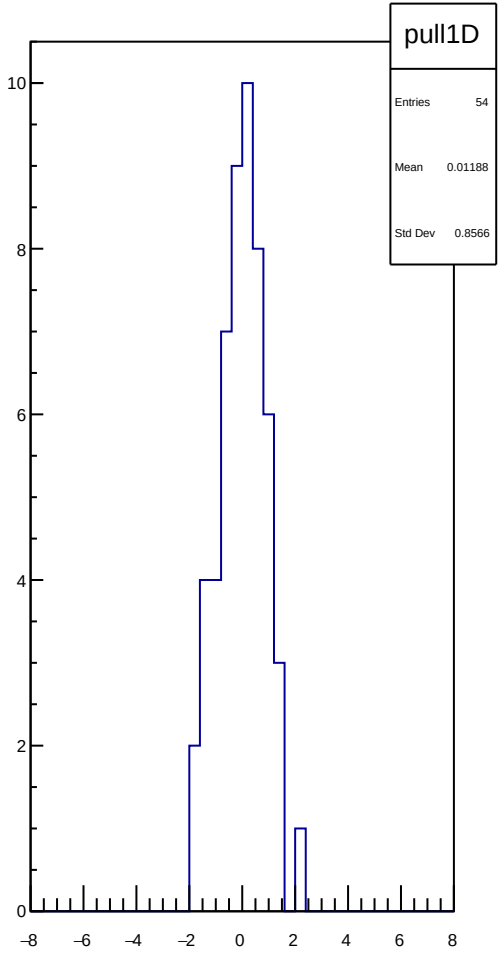

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.578e+04 / 53
p0 131.7 ± 0.1288
220
200
180
160
140
120

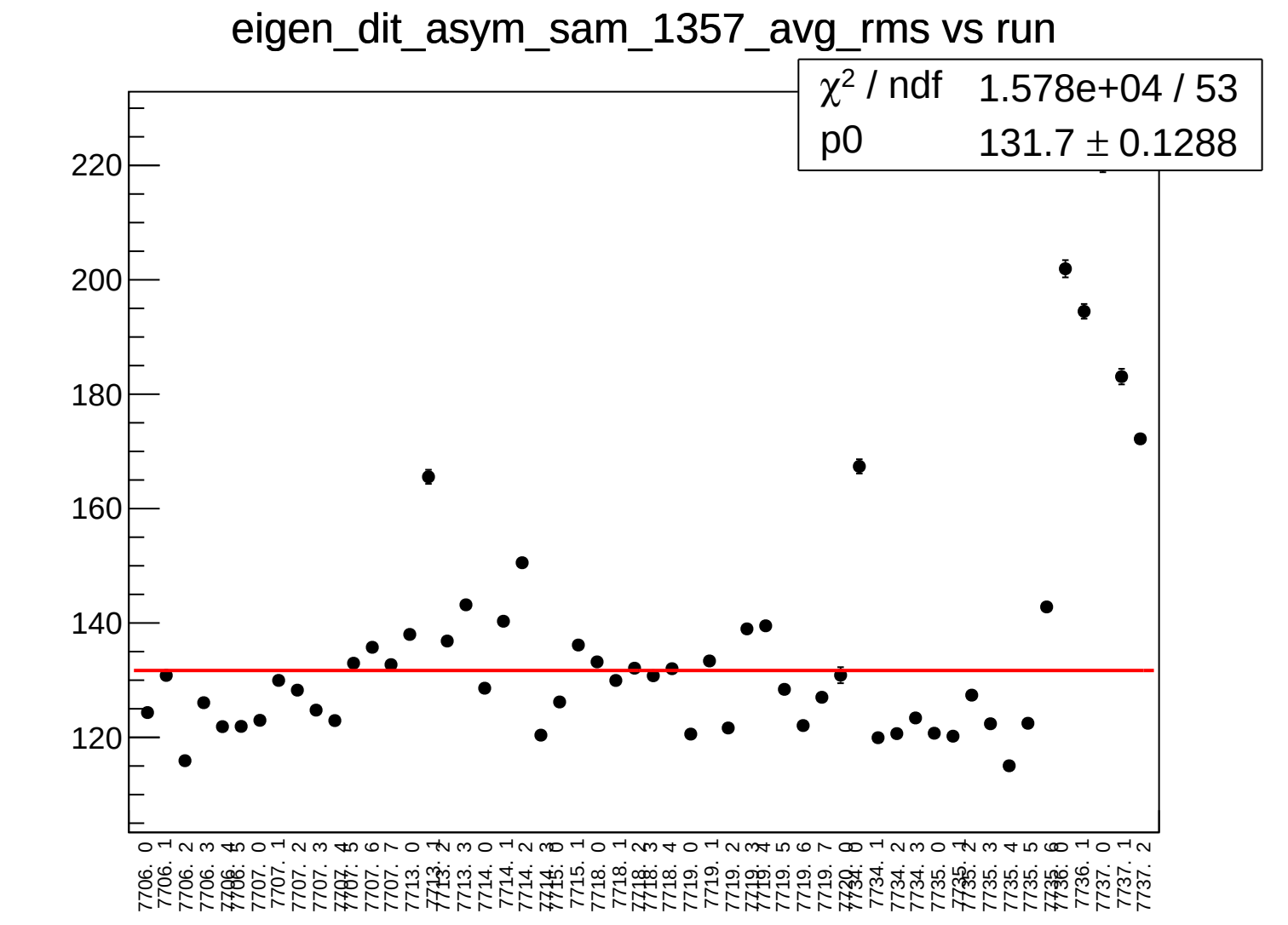

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 36.53 / 53
p0 636.1 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 353.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

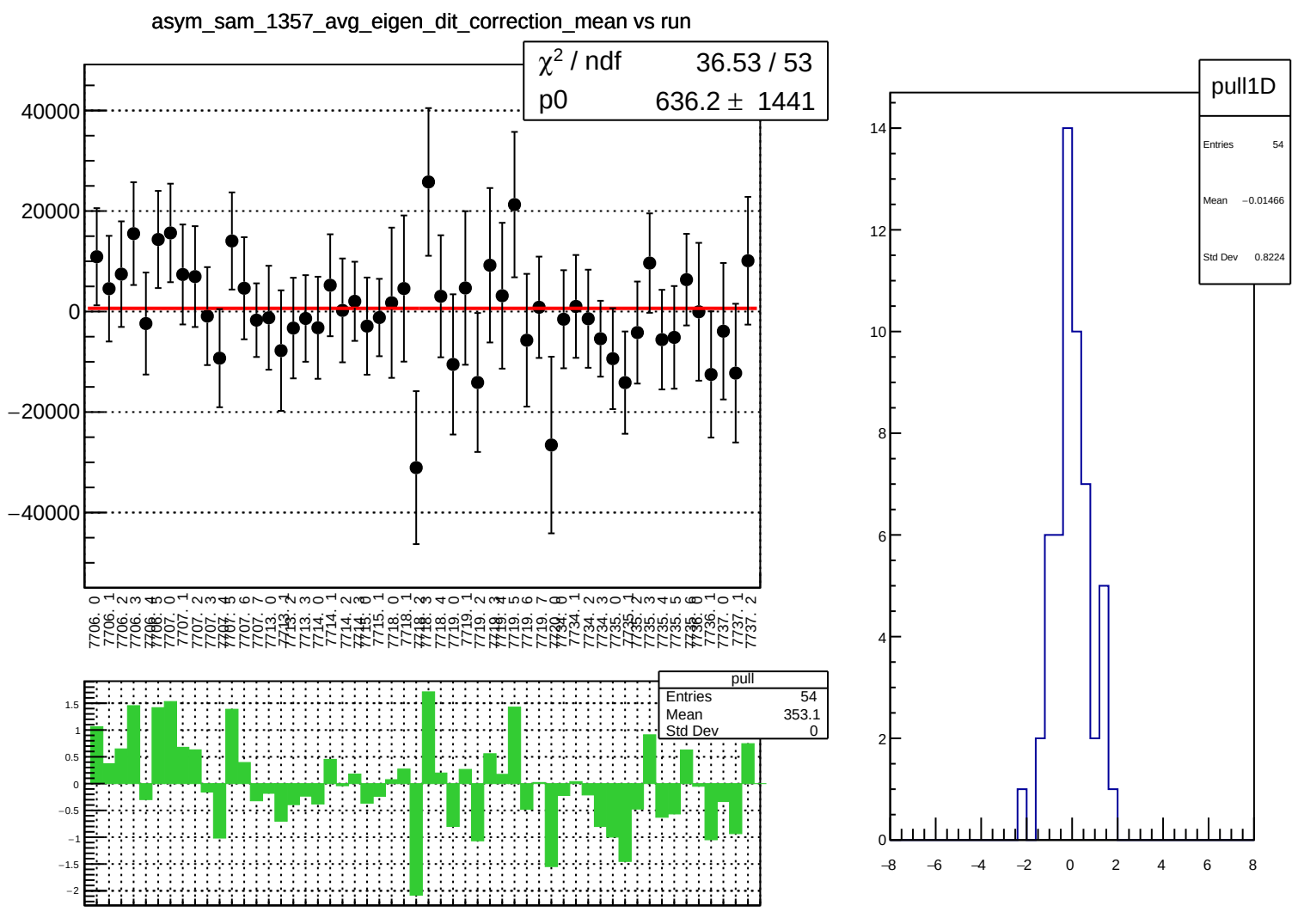

pull1D
Entries 54
Mean −0.01466
Std Dev 0.8224
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

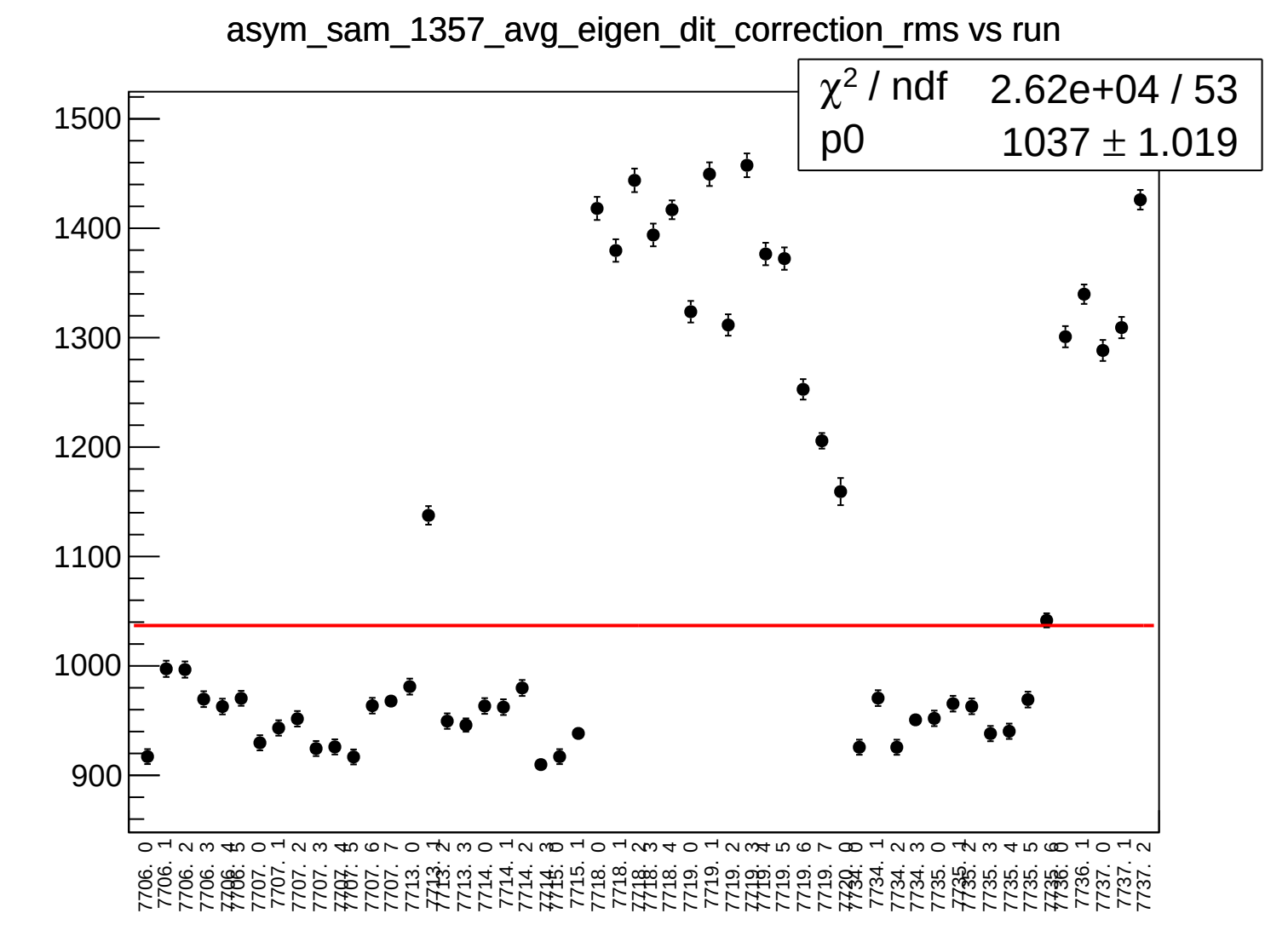

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 2.62e+04 / 53
p0 1037 ± 1.019
1500
1400
1300
1200
1100
1000
900

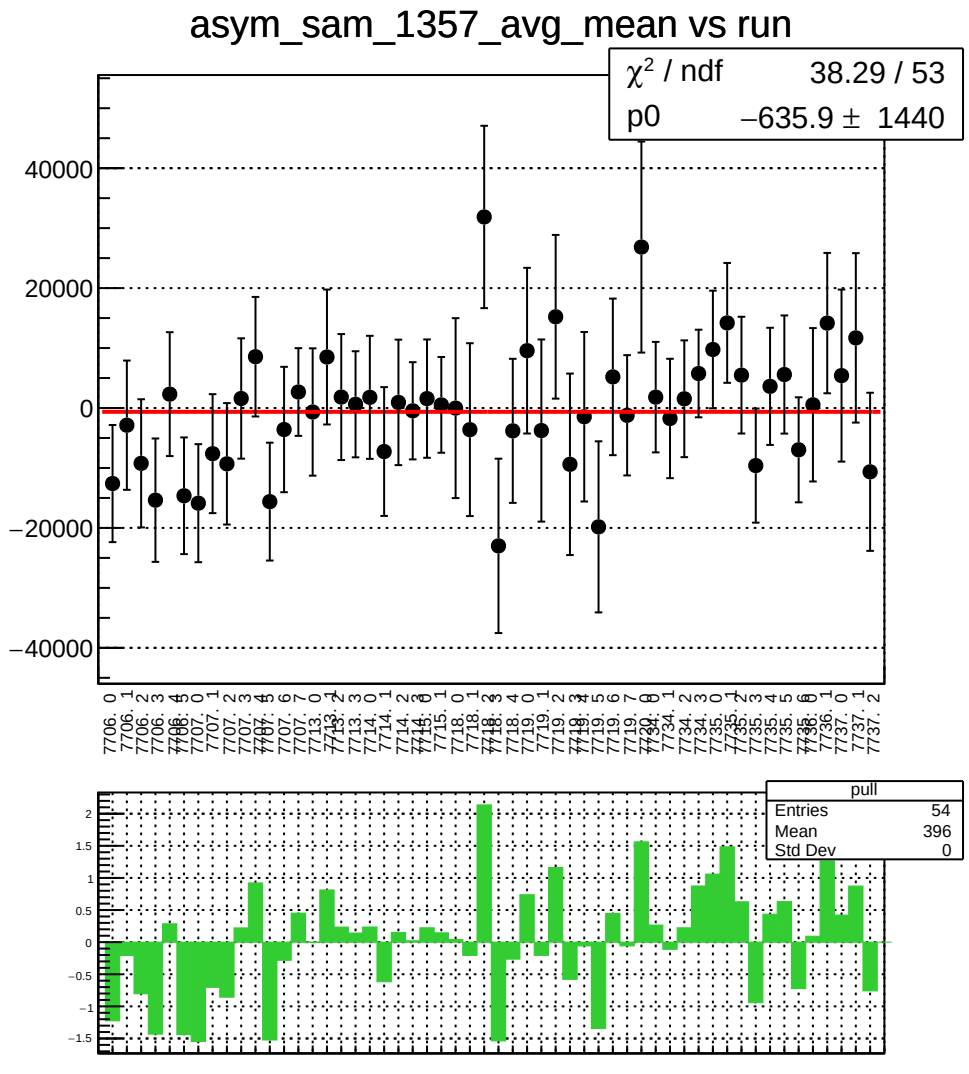

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 39.63 / 53
p0 −34.03 ± 182.1
pull
Entries 54
Mean 244.6
Std Dev 0

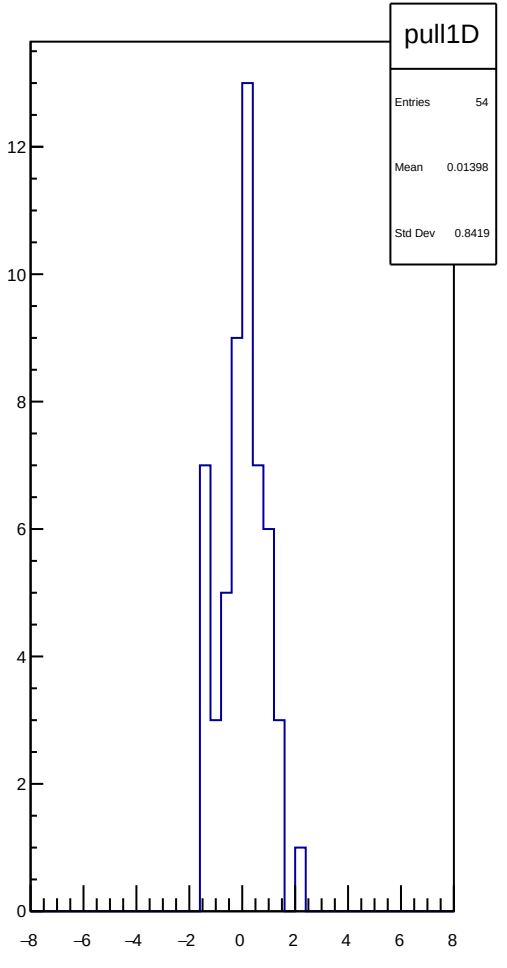

pull1D
Entries 54
Mean 0.01188
Std Dev 0.8566

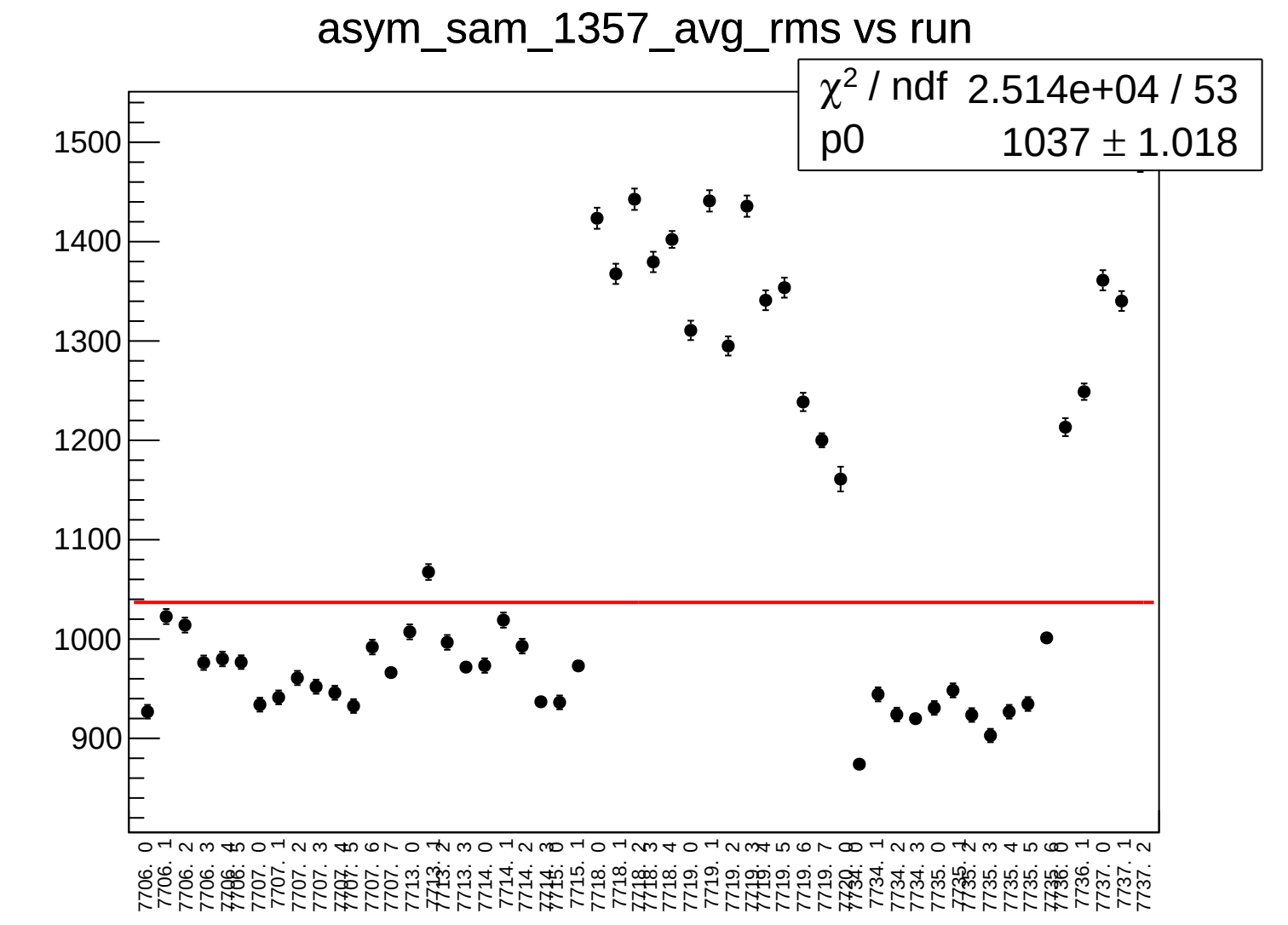

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.578e+04 / 53
p0 131.7 ± 0.1288
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

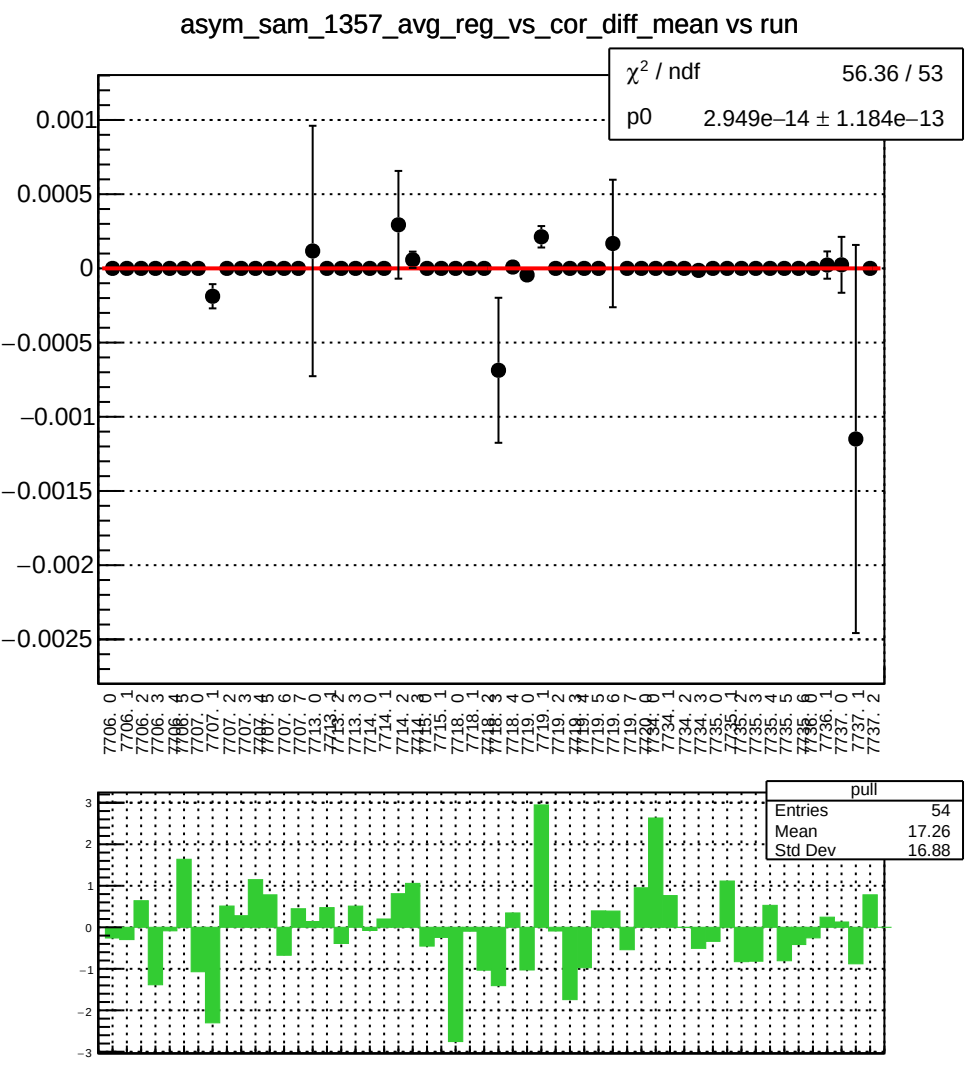

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.53 / 53
p0 636.2 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 353.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01466
Std Dev 0.8224
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

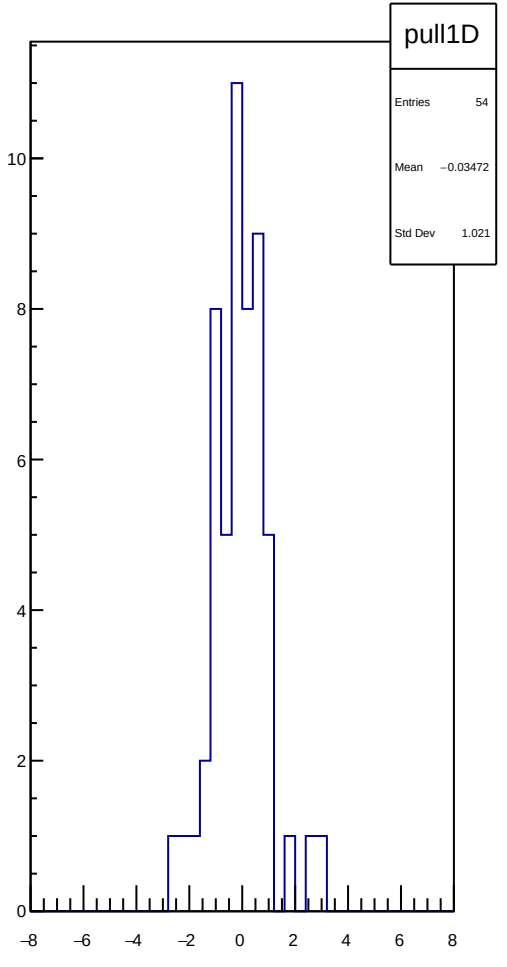

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.62e+04 / 53
p0 1037 ± 1.019
1500
1400
1300
1200
1100
1000
900

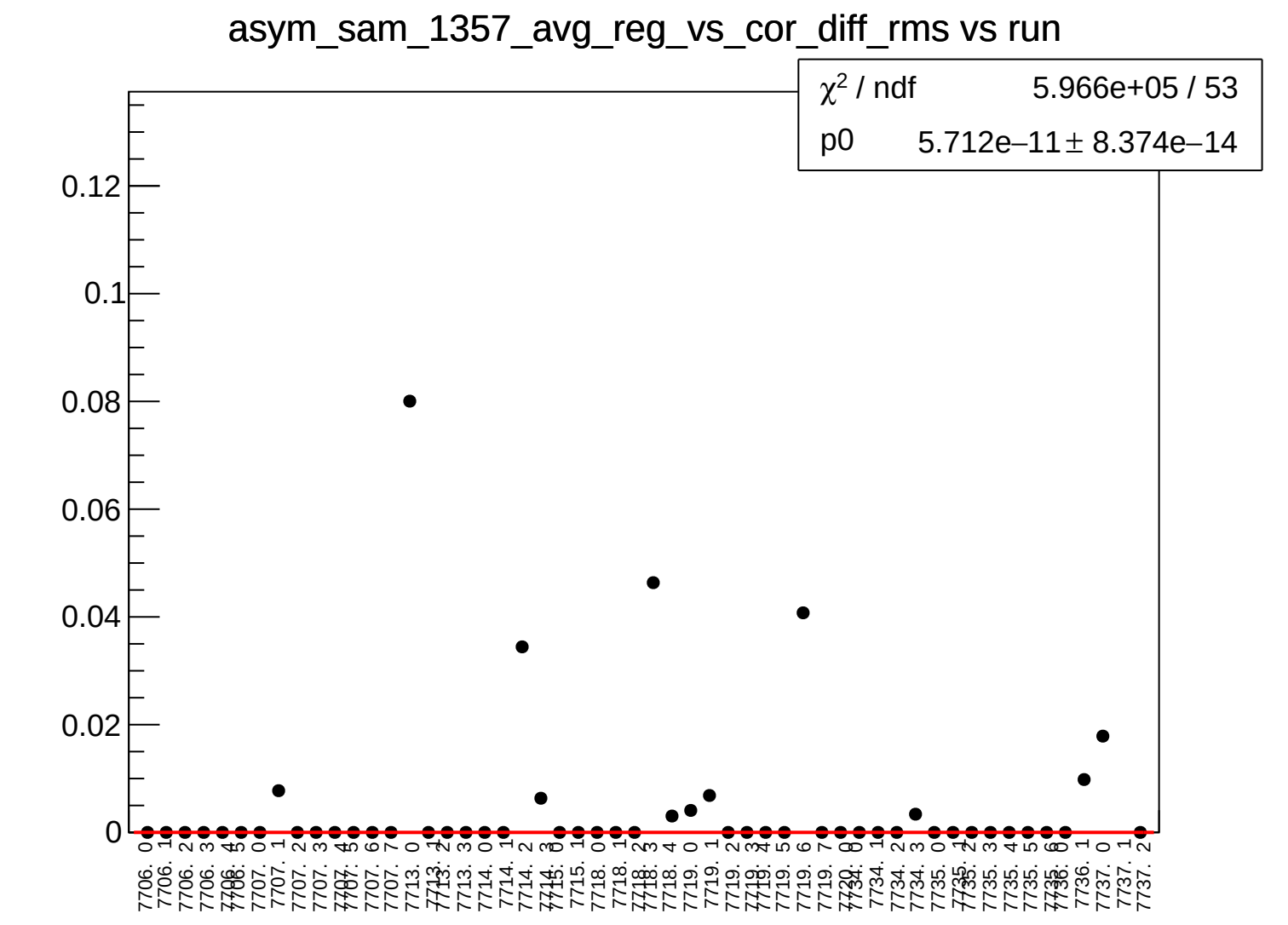

asym_sam_1357_avg_mean vs run
χ² / ndf 38.29 / 53
p0 −635.9 ± 1440
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 396
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

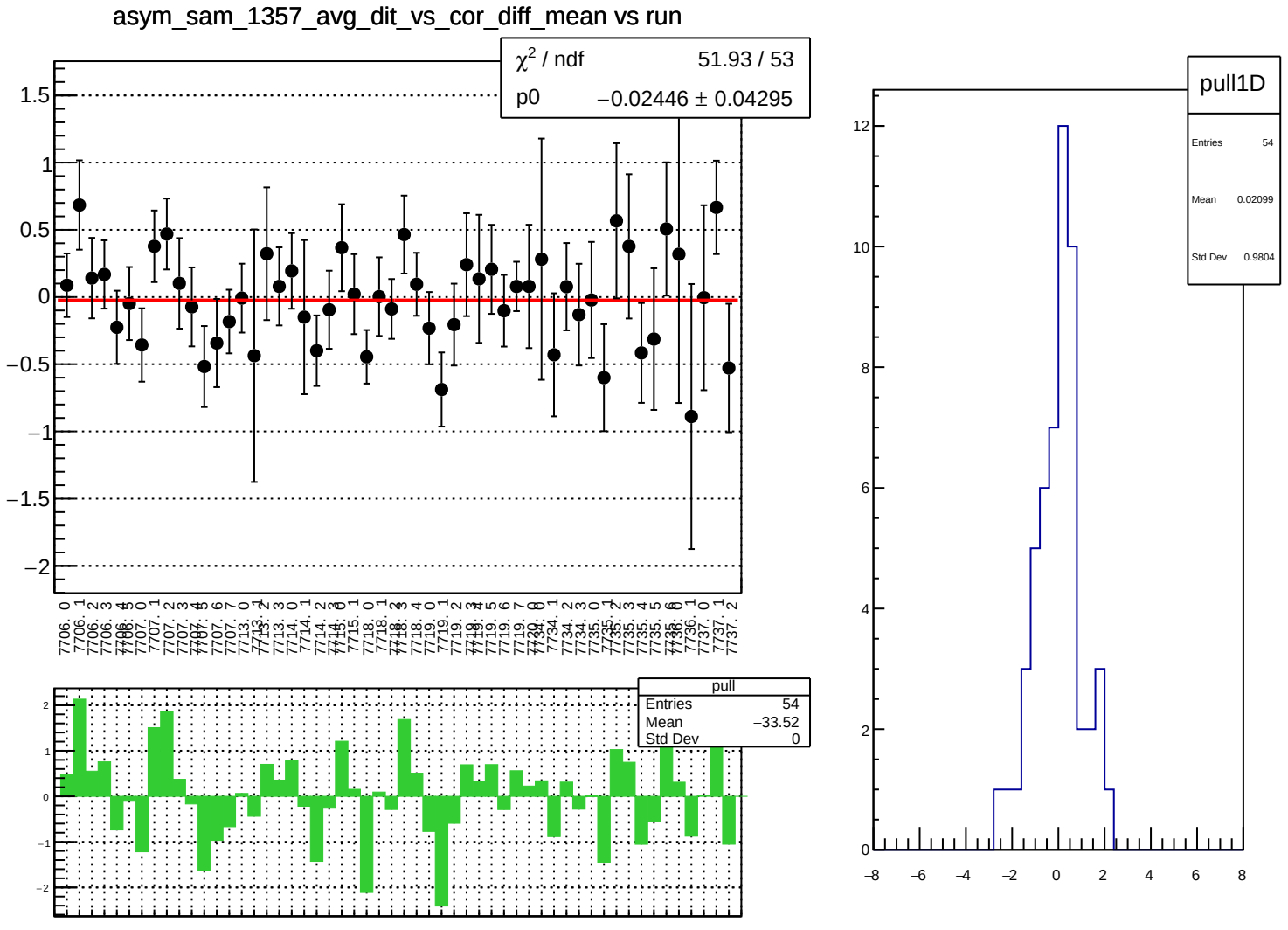

pull1D
Entries 54
Mean 0.01398
Std Dev 0.8419
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

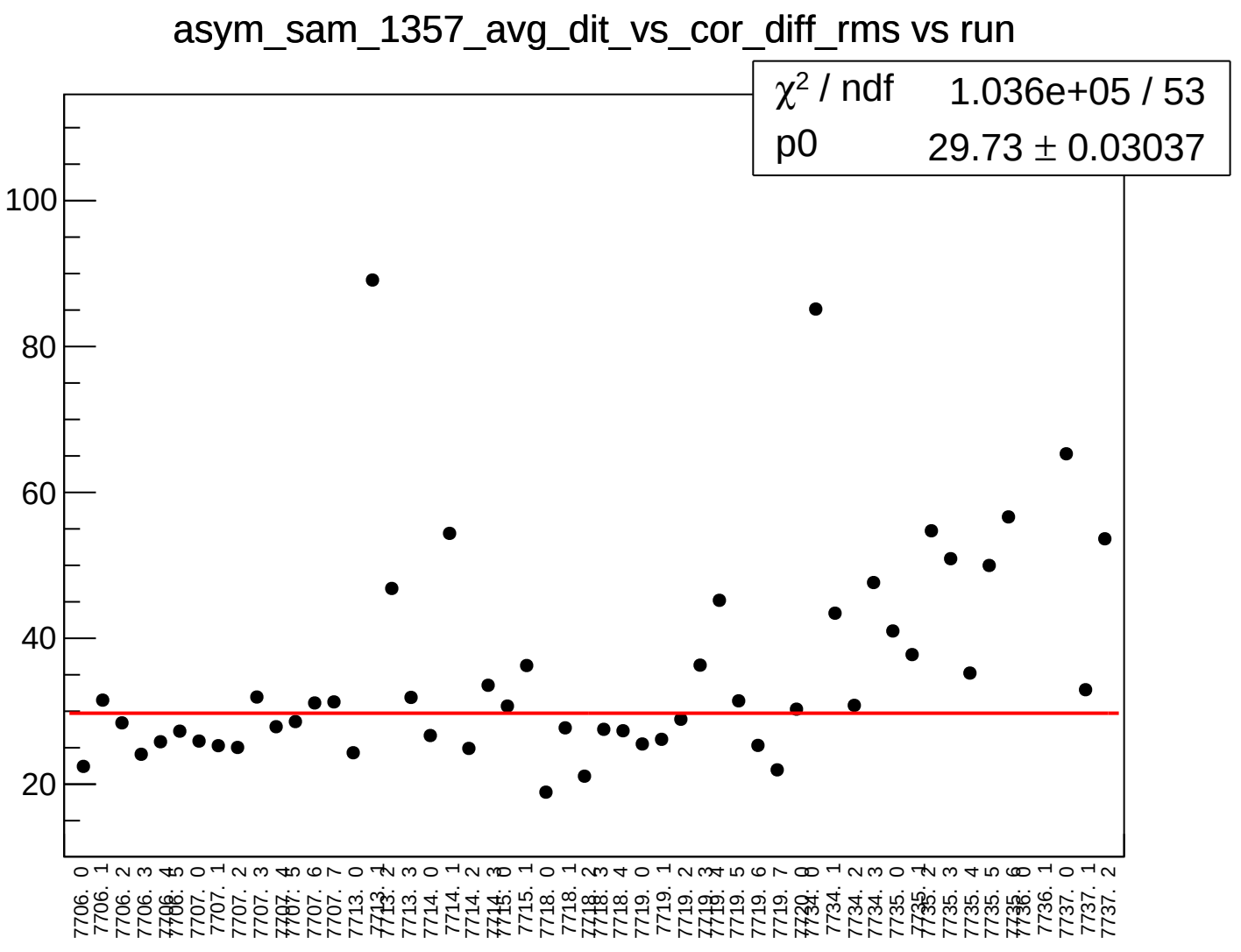

asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.514e+04 / 53
p0 1037 ± 1.018
1500
1400
1300
1200
1100
1000
900

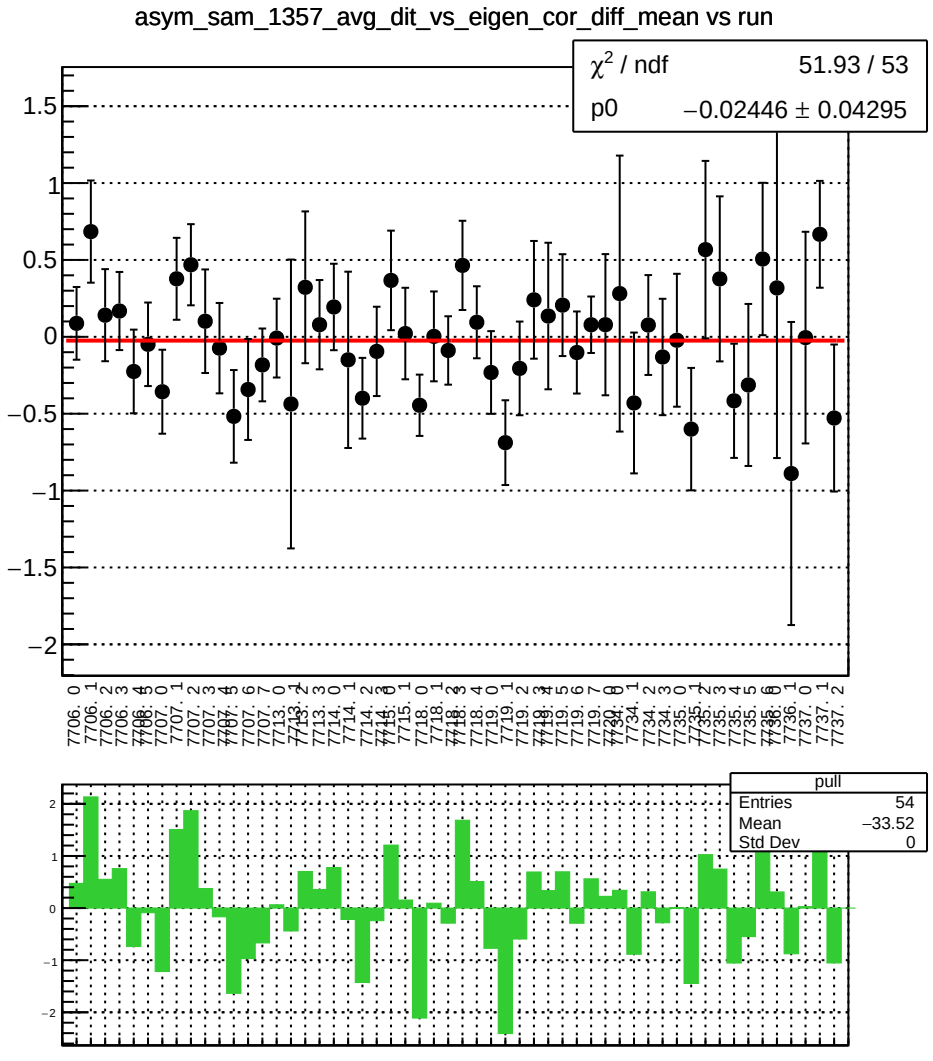

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.36 / 53
p0 2.949e−14 ± 1.184e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 54
Mean 17.26
Std Dev 16.88
3
2
1
0
−1
−2
−3

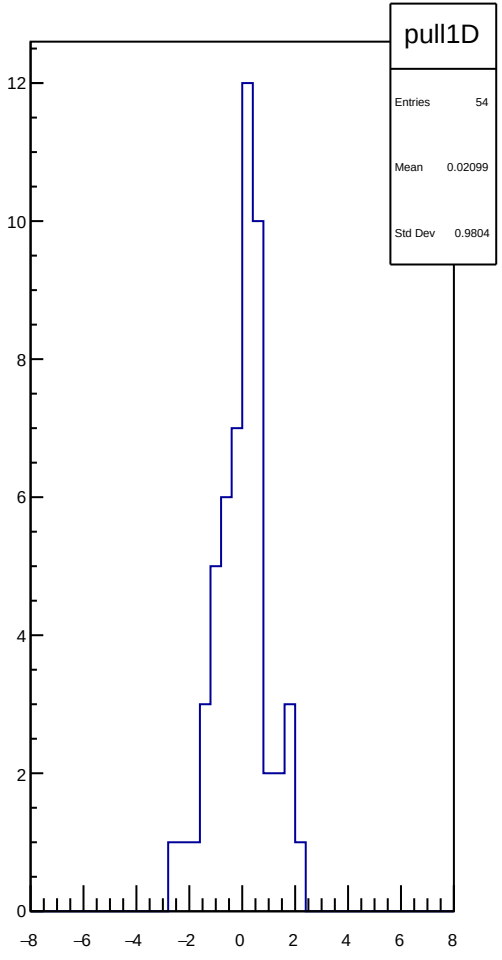

pull1D
Entries 54
Mean −0.03472
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

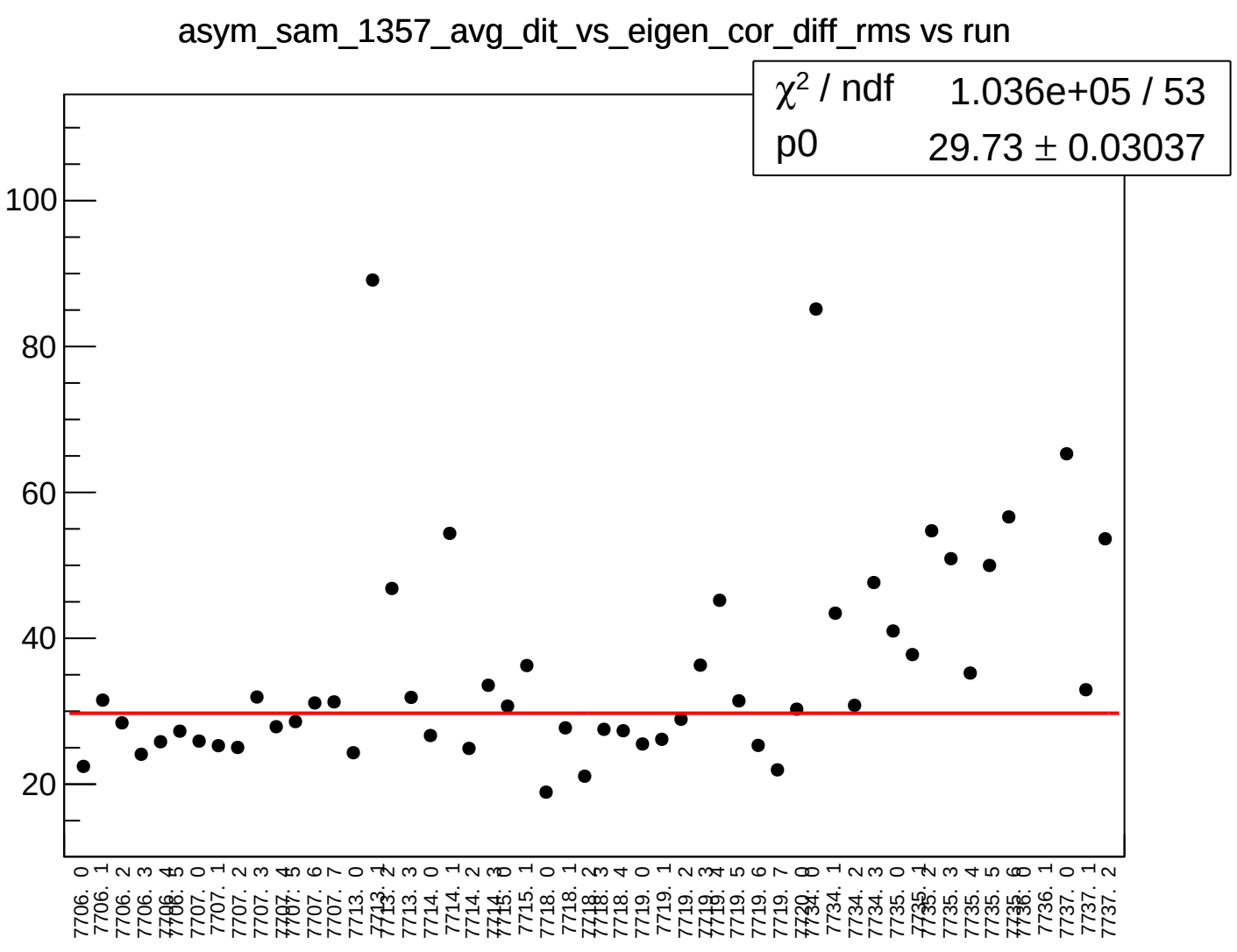

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.966e+05 / 53
p0 5.712e−11 ± 8.374e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

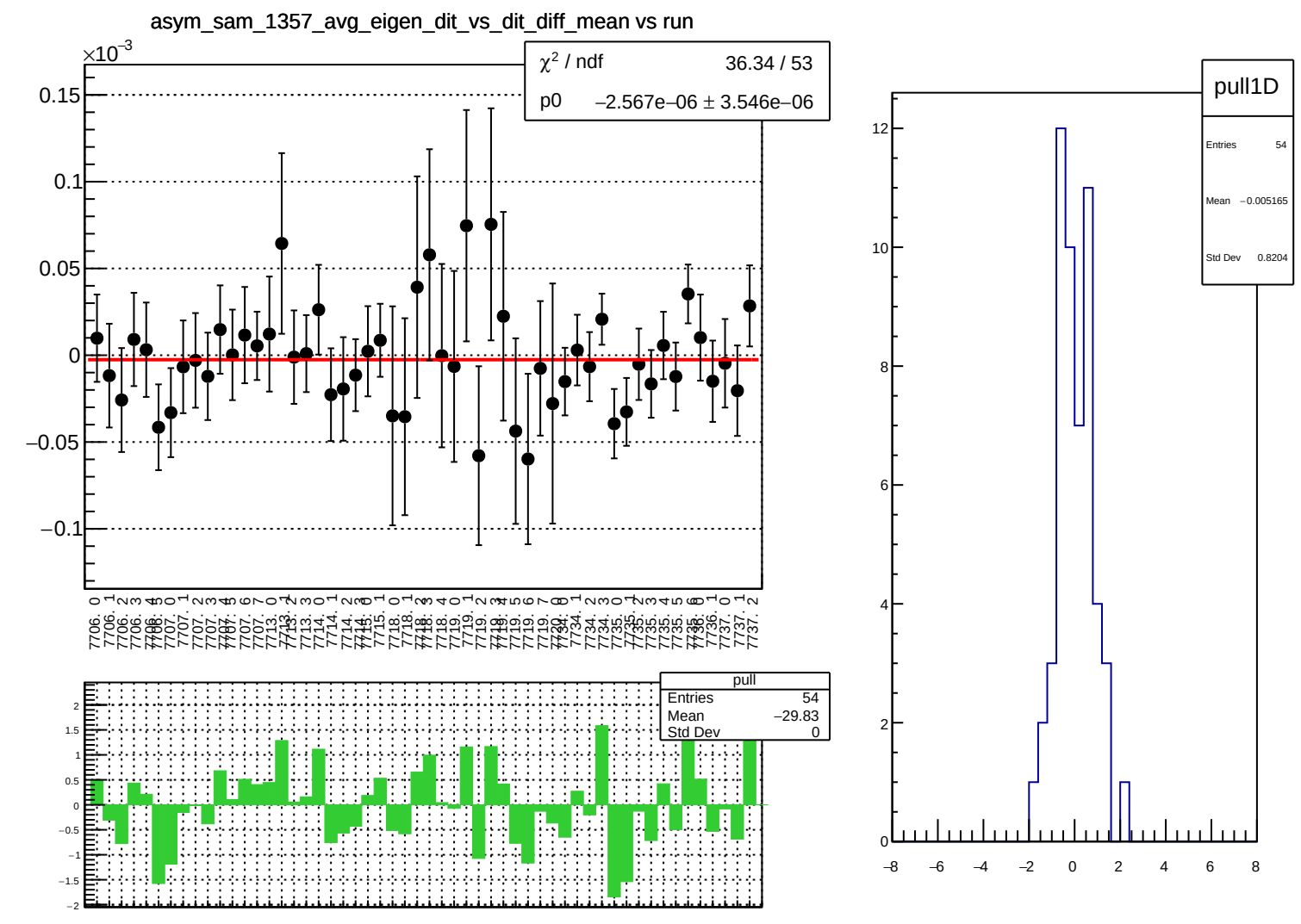

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.93 / 53
p0 −0.02446 ± 0.04295
pull
Entries 54
Mean −33.52
Std Dev 0
pull1D
Entries 54
Mean 0.02099
Std Dev 0.9804

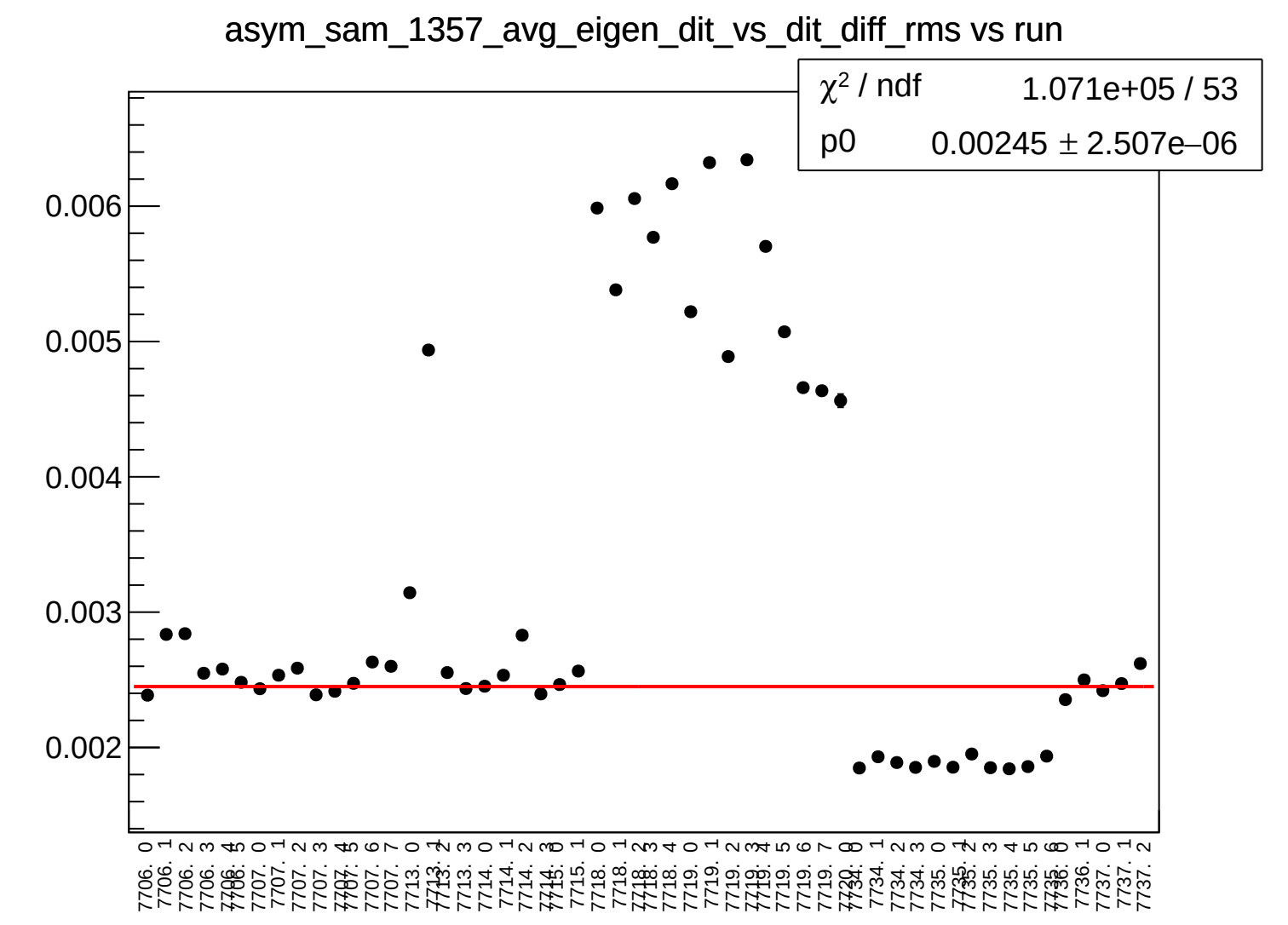

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 53
p0 29.73 ± 0.03037
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

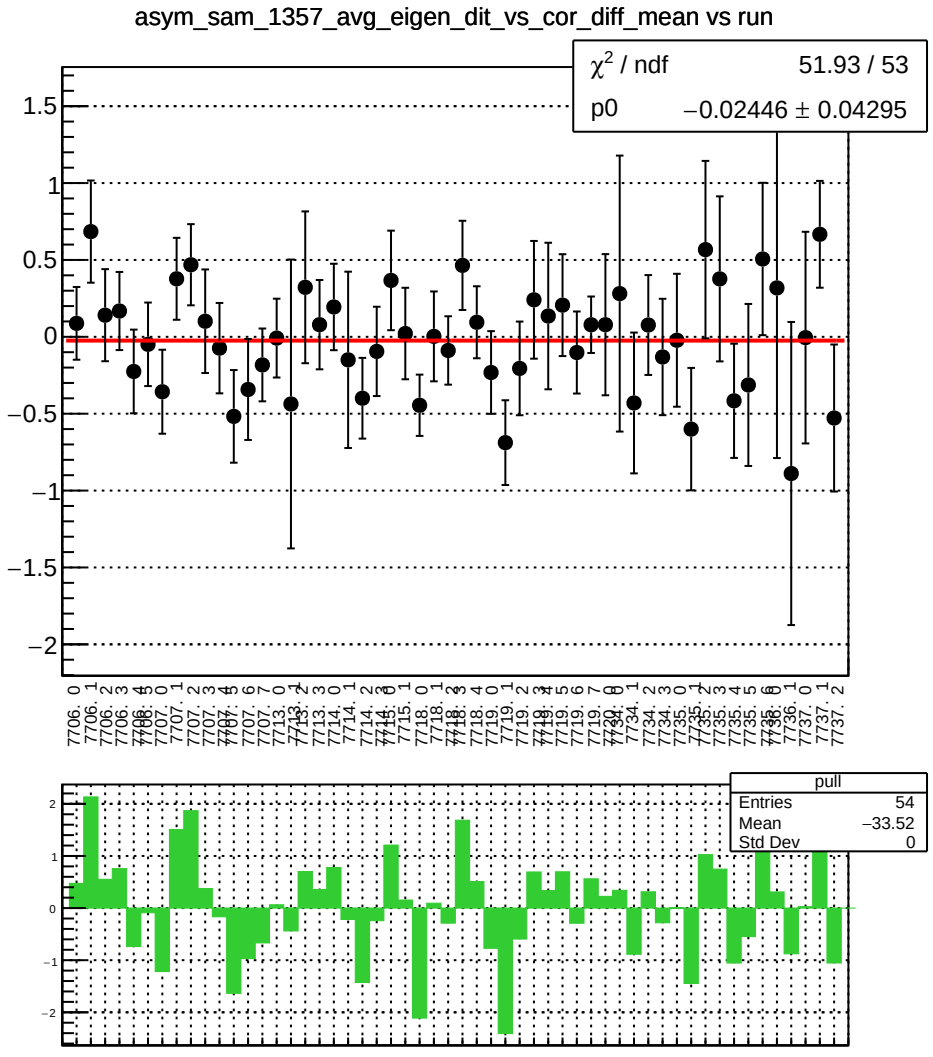

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.93 / 53
p0 −0.02446 ± 0.04295
pull
Entries 54
Mean −33.52
Std Dev 0

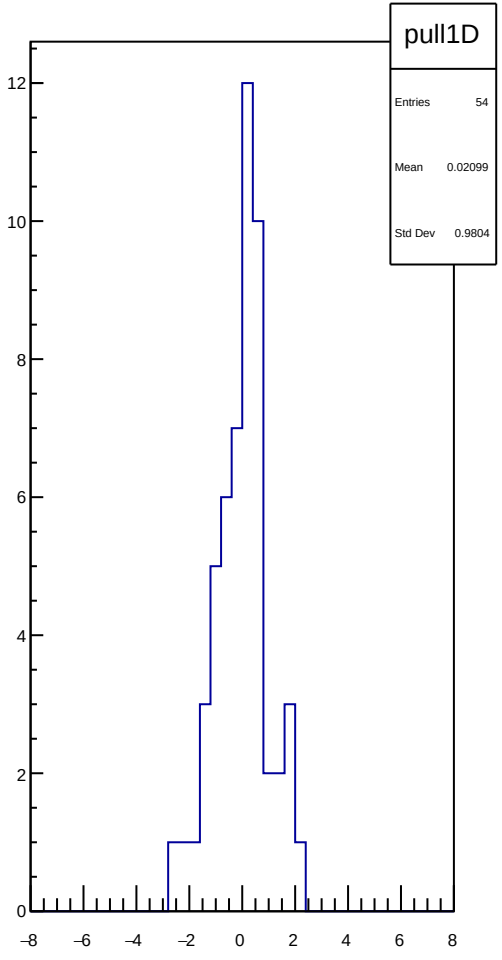

pull1D
Entries 54
Mean 0.02099
Std Dev 0.9804

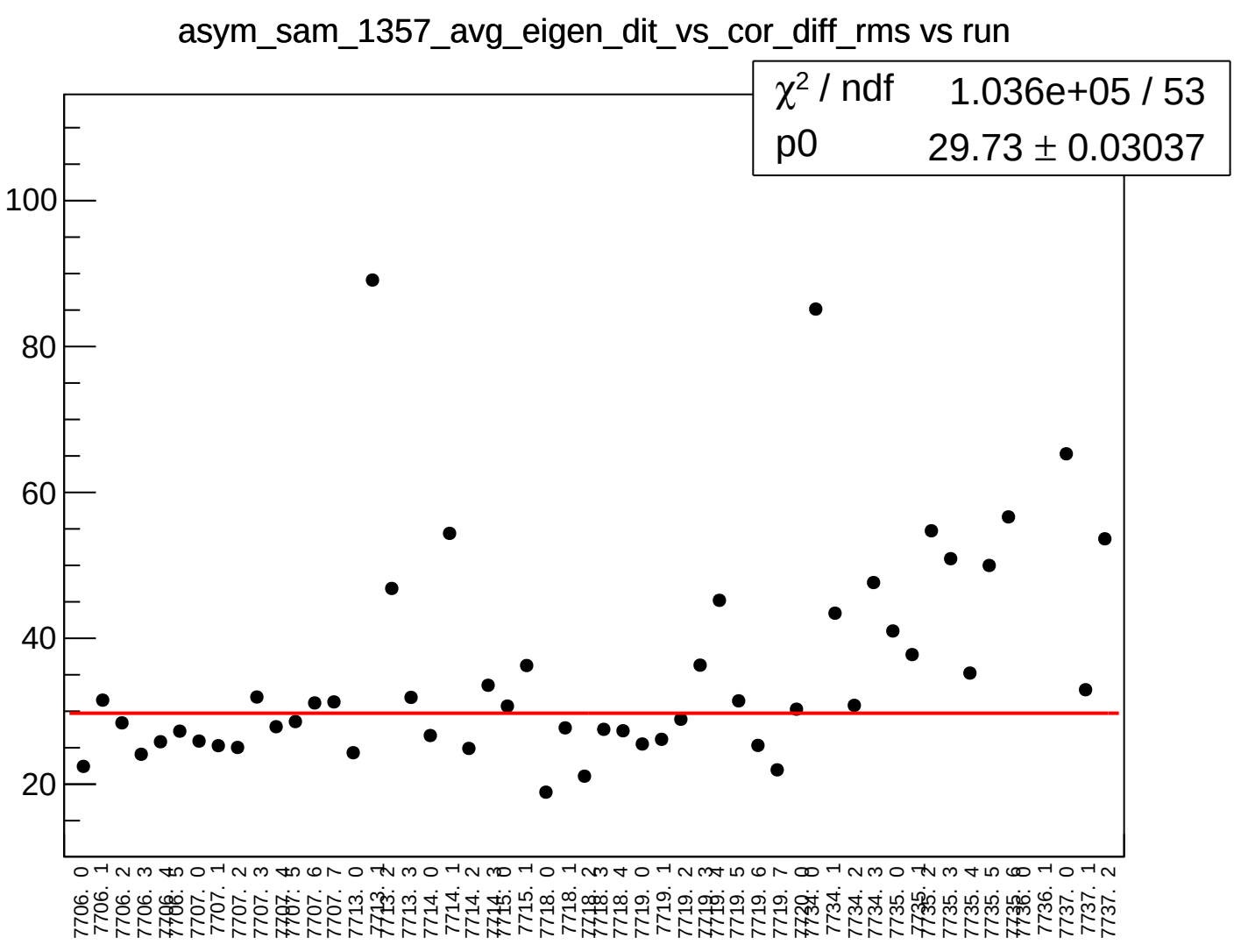

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 53
p0 29.73 ± 0.03037
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

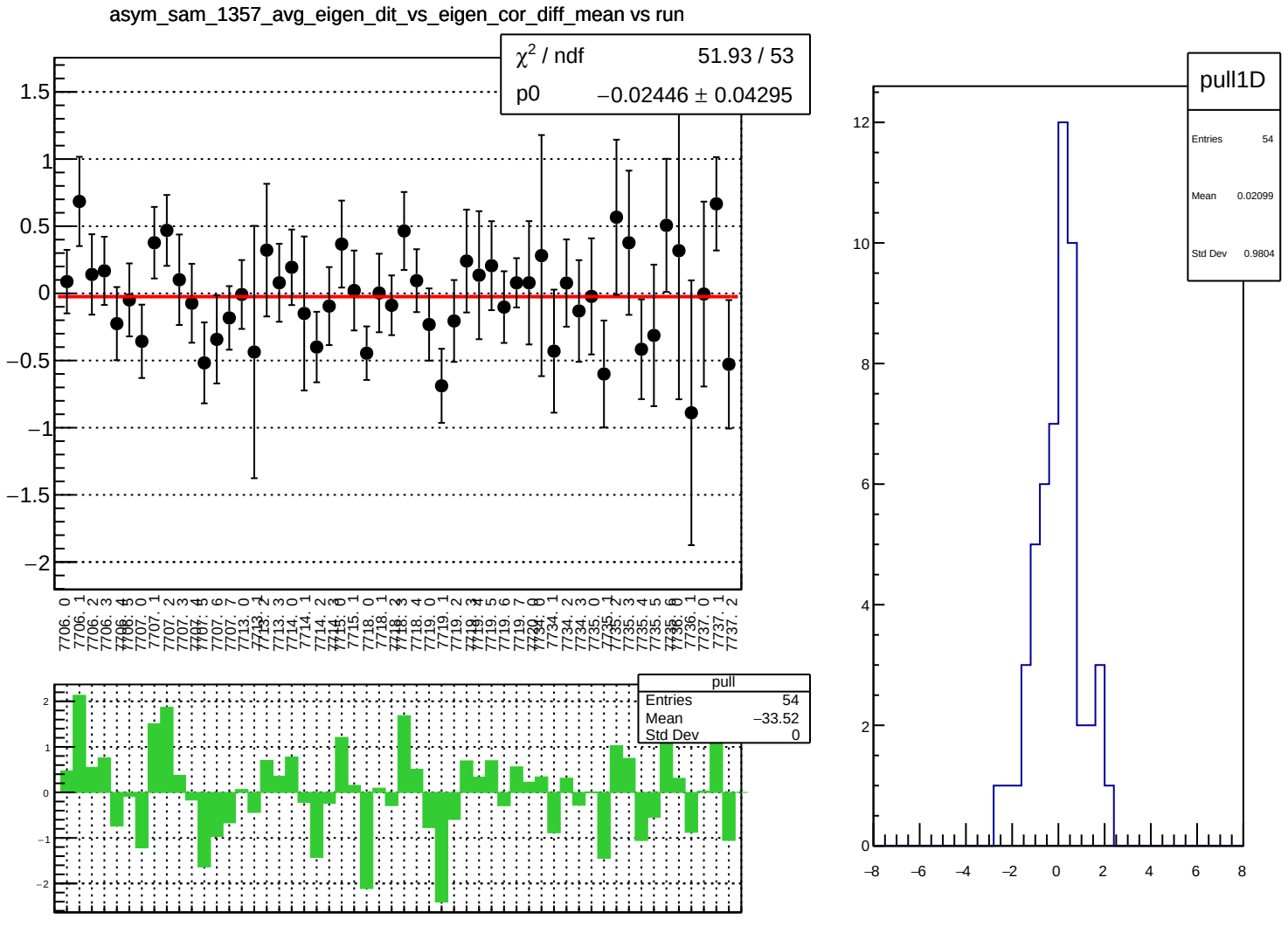

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.34 / 53
p0 −2.567e−06 ± 3.546e−06
0.15
0.1
0.05
0
−0.05
−0.1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 6
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean −29.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.005165
Std Dev 0.8204
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

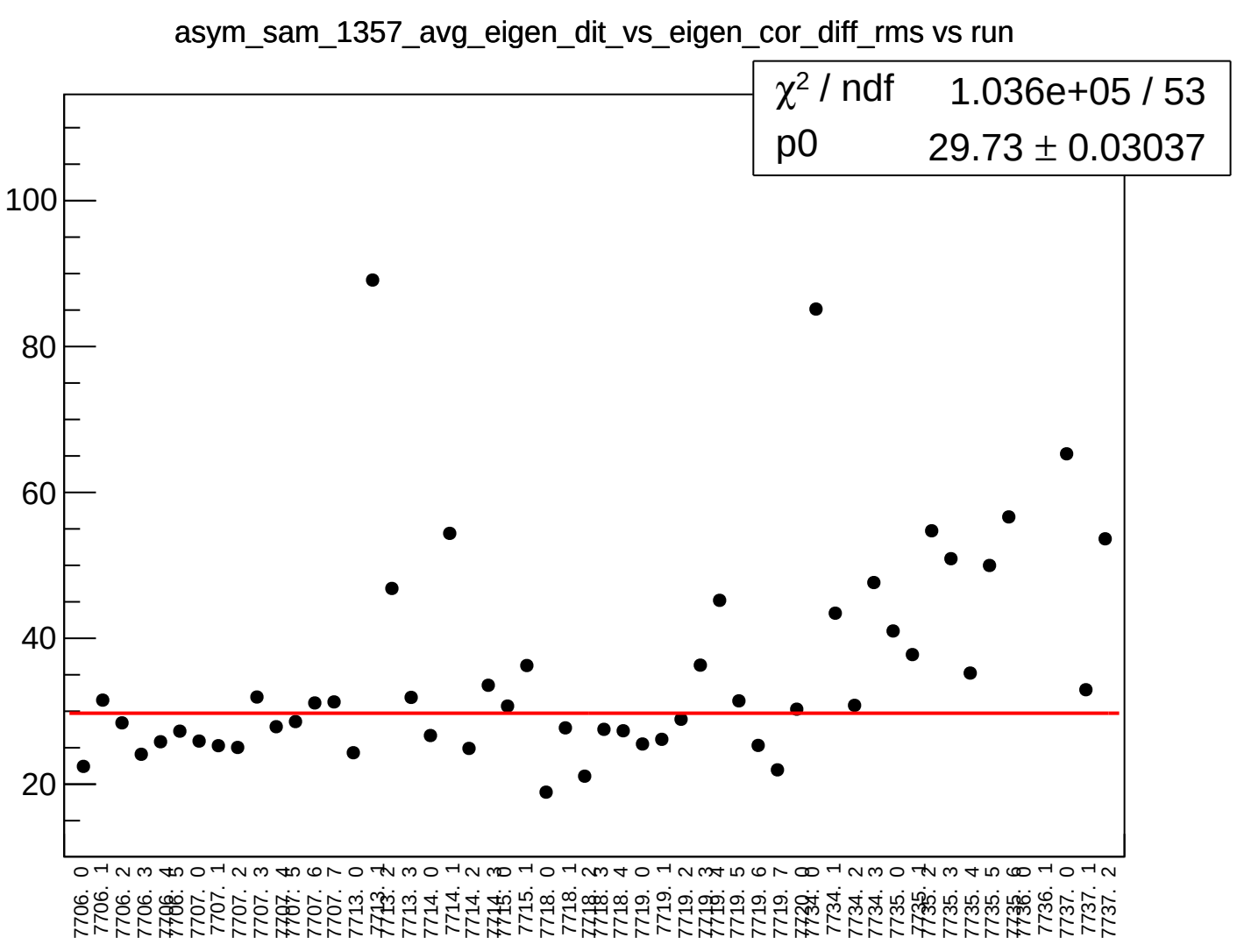

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.071e+05 / 53
p0 0.00245 ± 2.507e–06
0.006
0.005
0.004
0.003
0.002

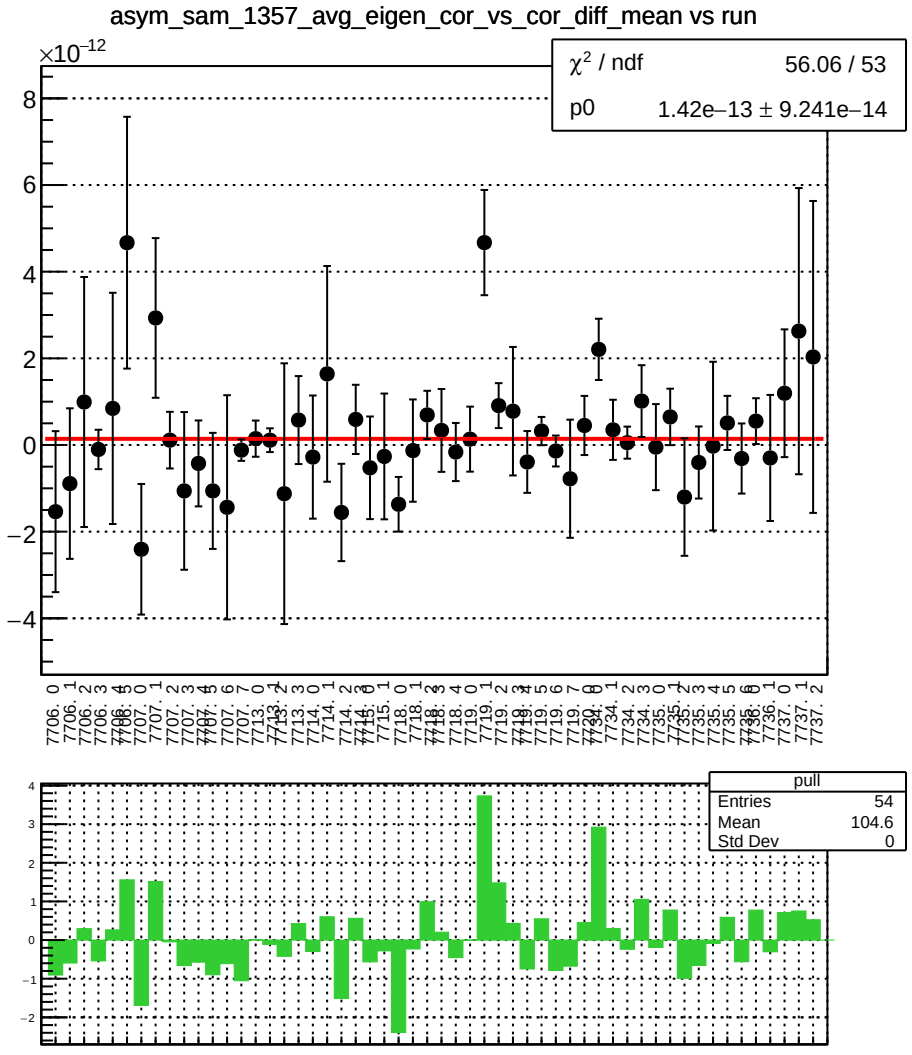

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.93 / 53
p0 −0.02446 ± 0.04295
pull
Entries 54
Mean −33.52
Std Dev 0

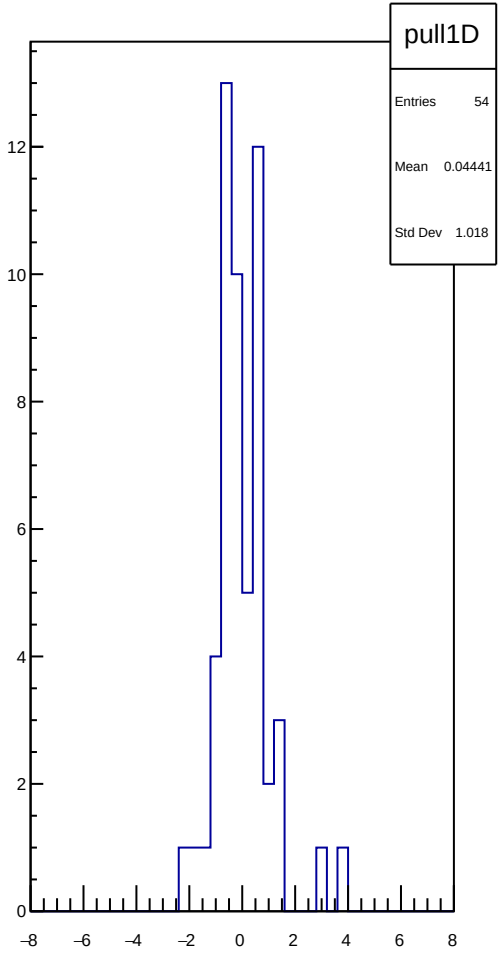

pull1D
Entries 54
Mean 0.02099
Std Dev 0.9804

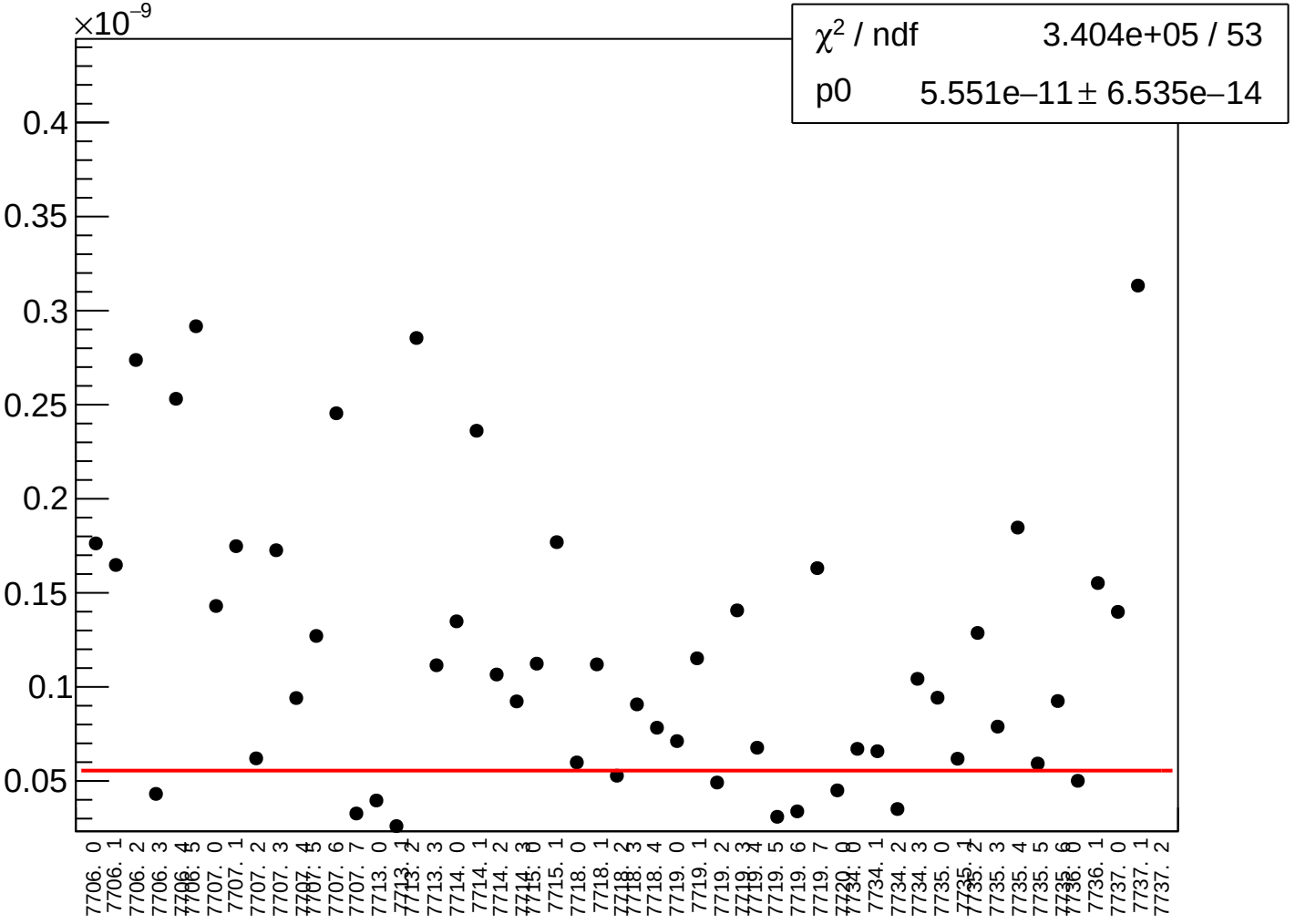

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 53
p0 29.73 ± 0.03037
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

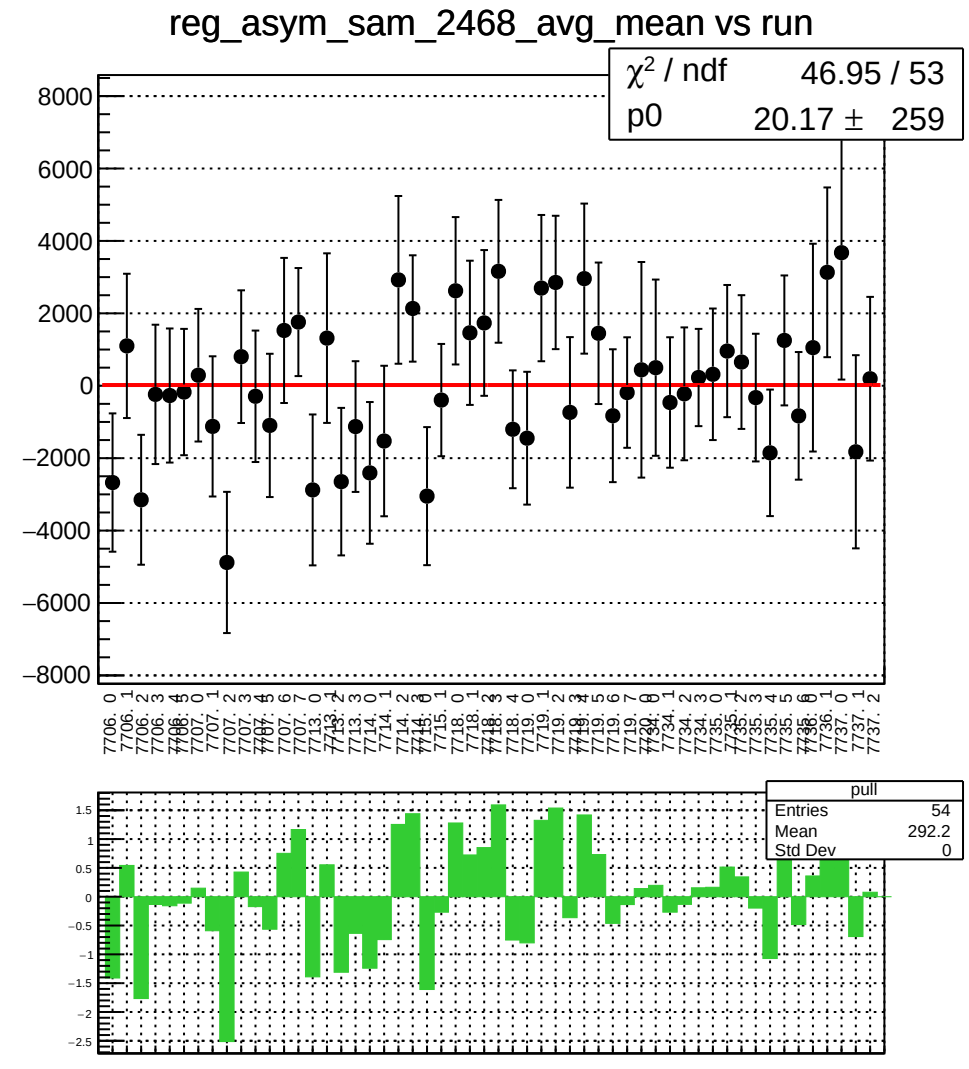

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.93 / 53
p0 −0.02446 ± 0.04295
pull
Entries 54
Mean −33.52
Std Dev 0
pull1D
Entries 54
Mean 0.02099
Std Dev 0.9804

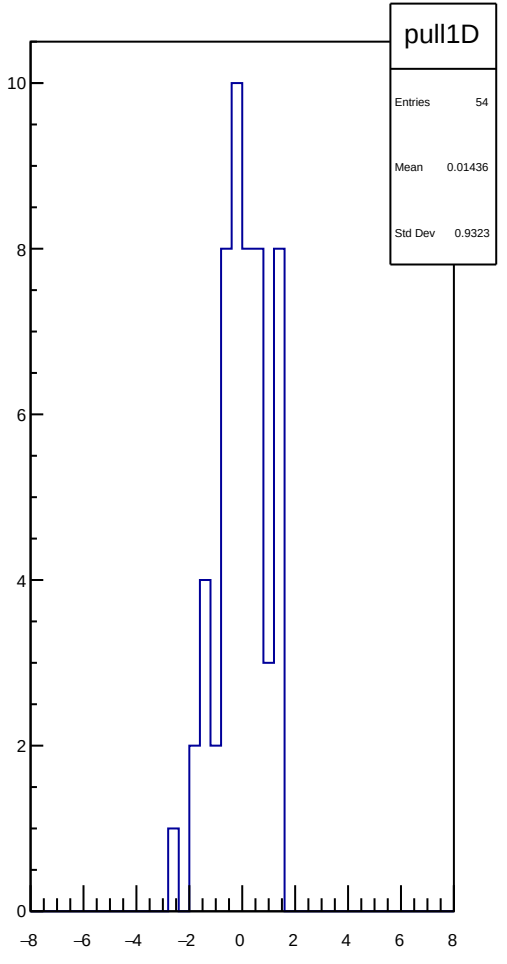

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 53
p0 29.73 ± 0.03037
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

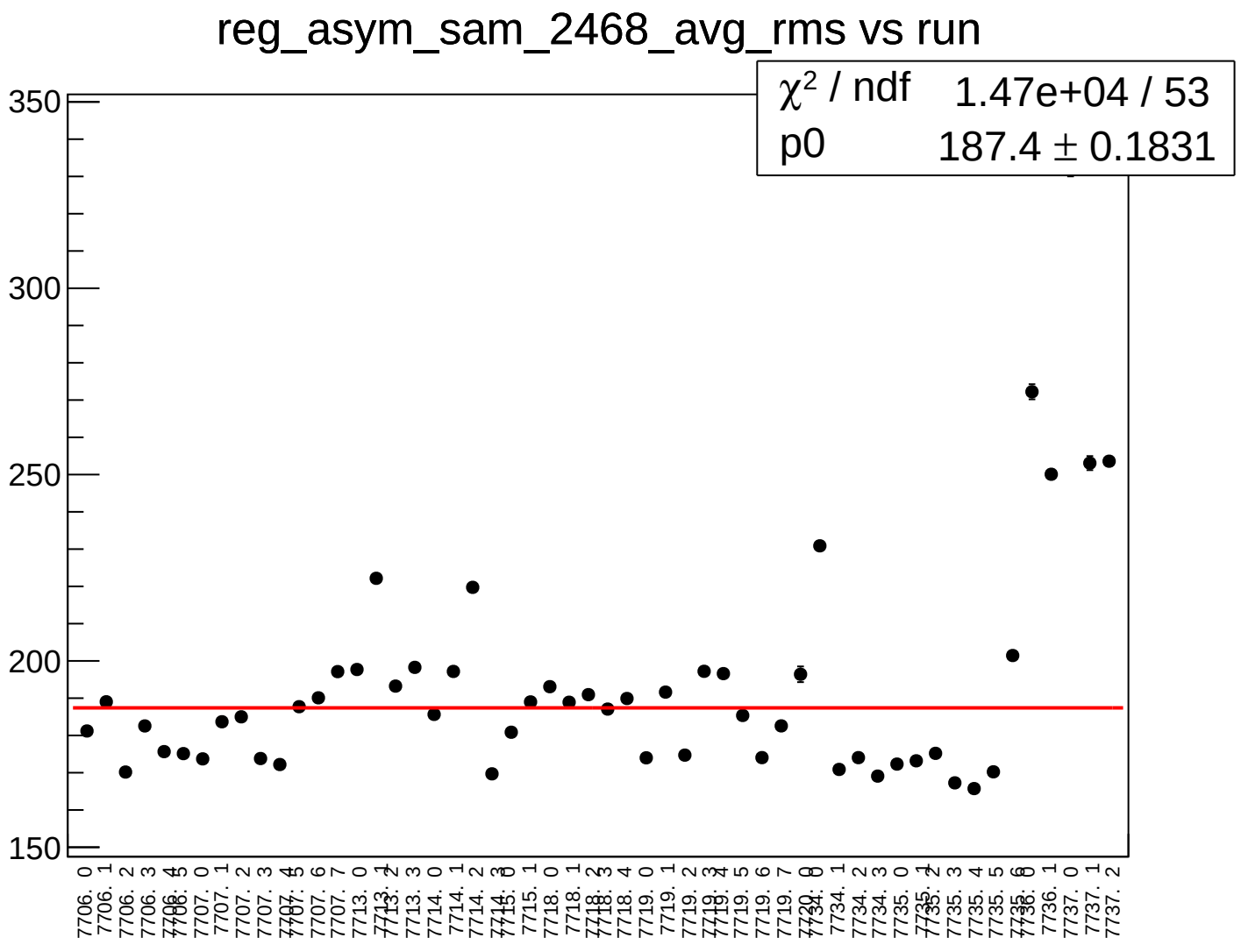

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.06 / 53
p0 1.42e−13 ± 9.241e−14
pull
Entries 54
Mean 104.6
Std Dev 0

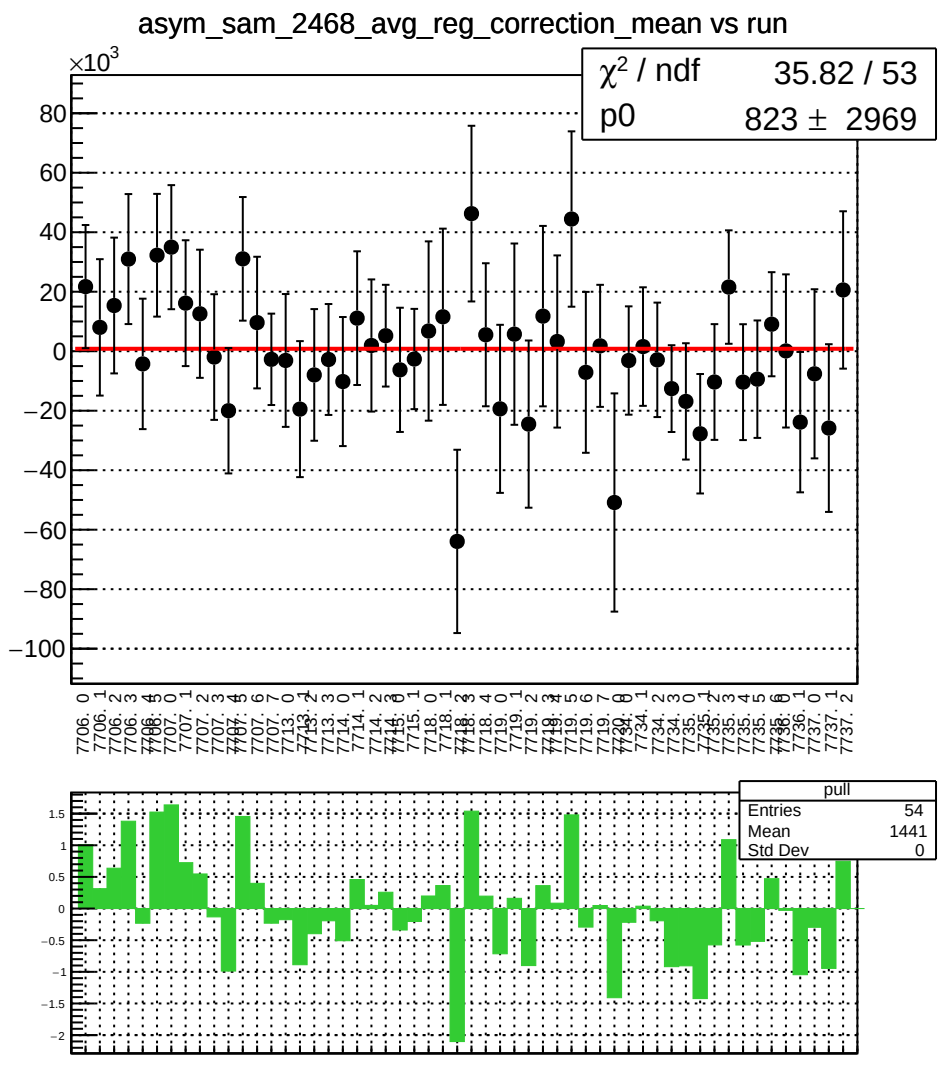

pull1D
Entries 54
Mean 0.04441
Std Dev 1.018

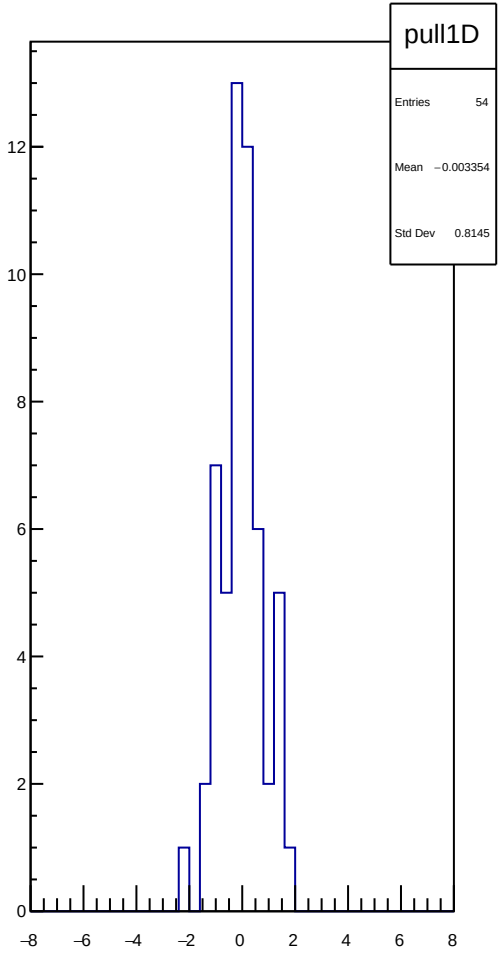

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.404e+05 / 53
p0 5.551e−11 ± 6.535e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

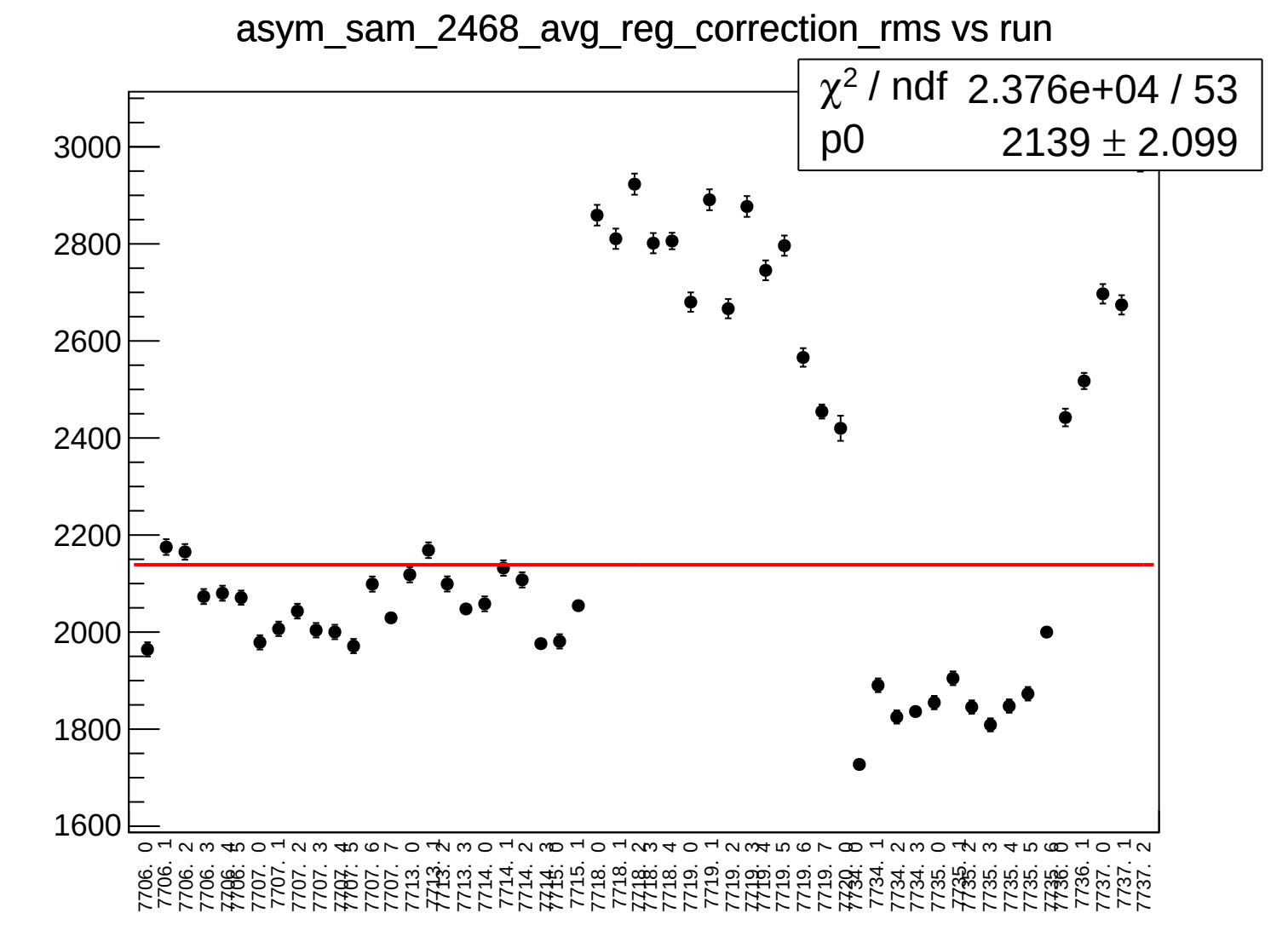

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 46.95 / 53
p0 20.17 ± 259
pull
Entries 54
Mean 292.2
Std Dev 0

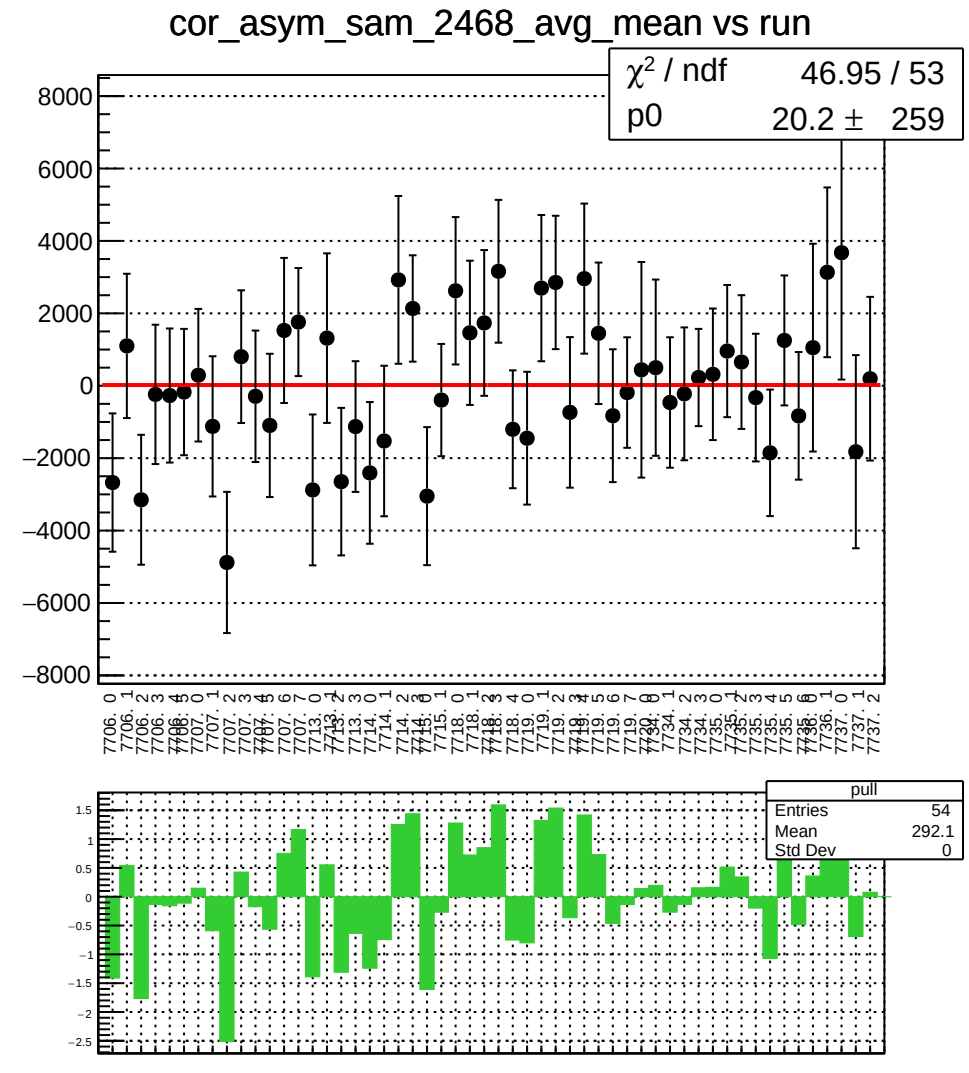

pull1D
Entries 54
Mean 0.01436
Std Dev 0.9323

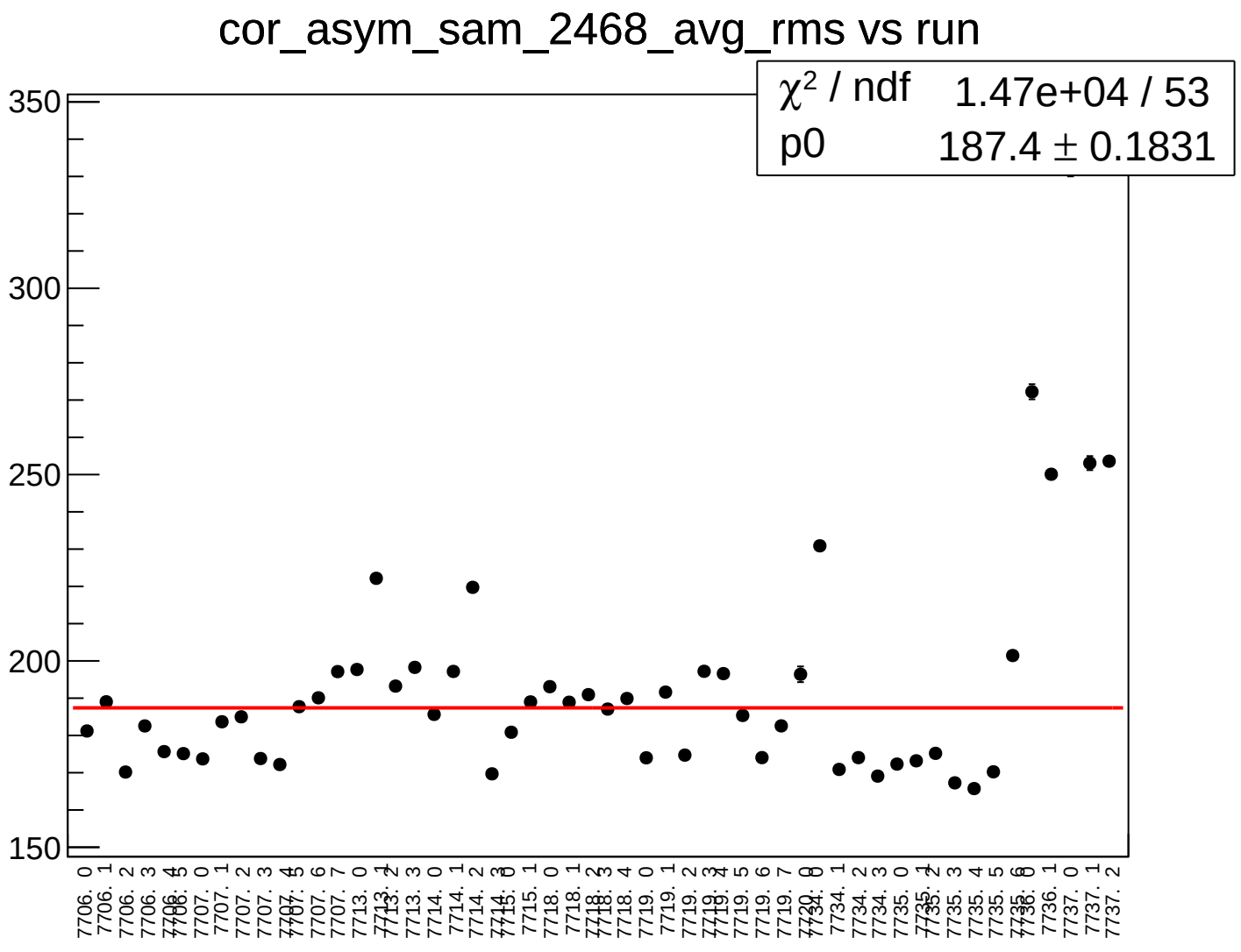

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 53
p0 187.4 ± 0.1831
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

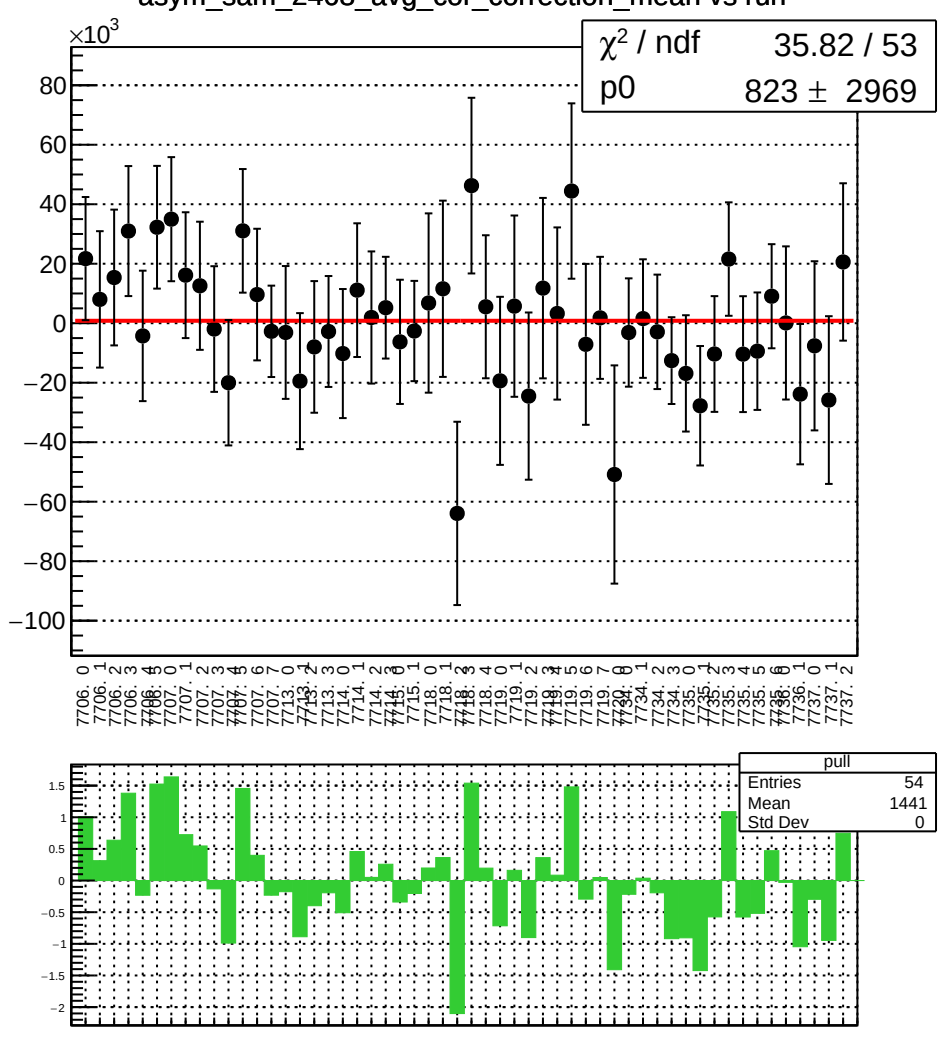

asym_sam_2468_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.82 / 53
p0 823 ± 2969
pull
Entries 54
Mean 1441
Std Dev 0

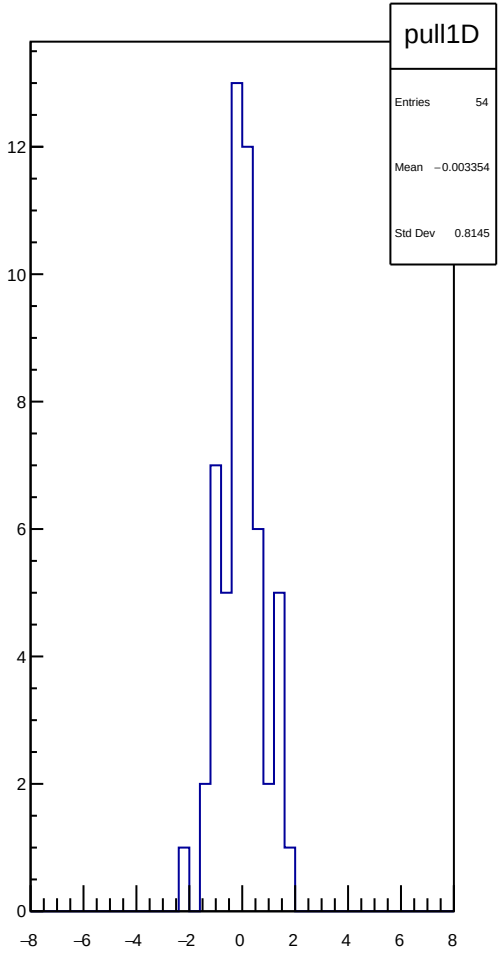

pull1D
Entries 54
Mean −0.003354
Std Dev 0.8145

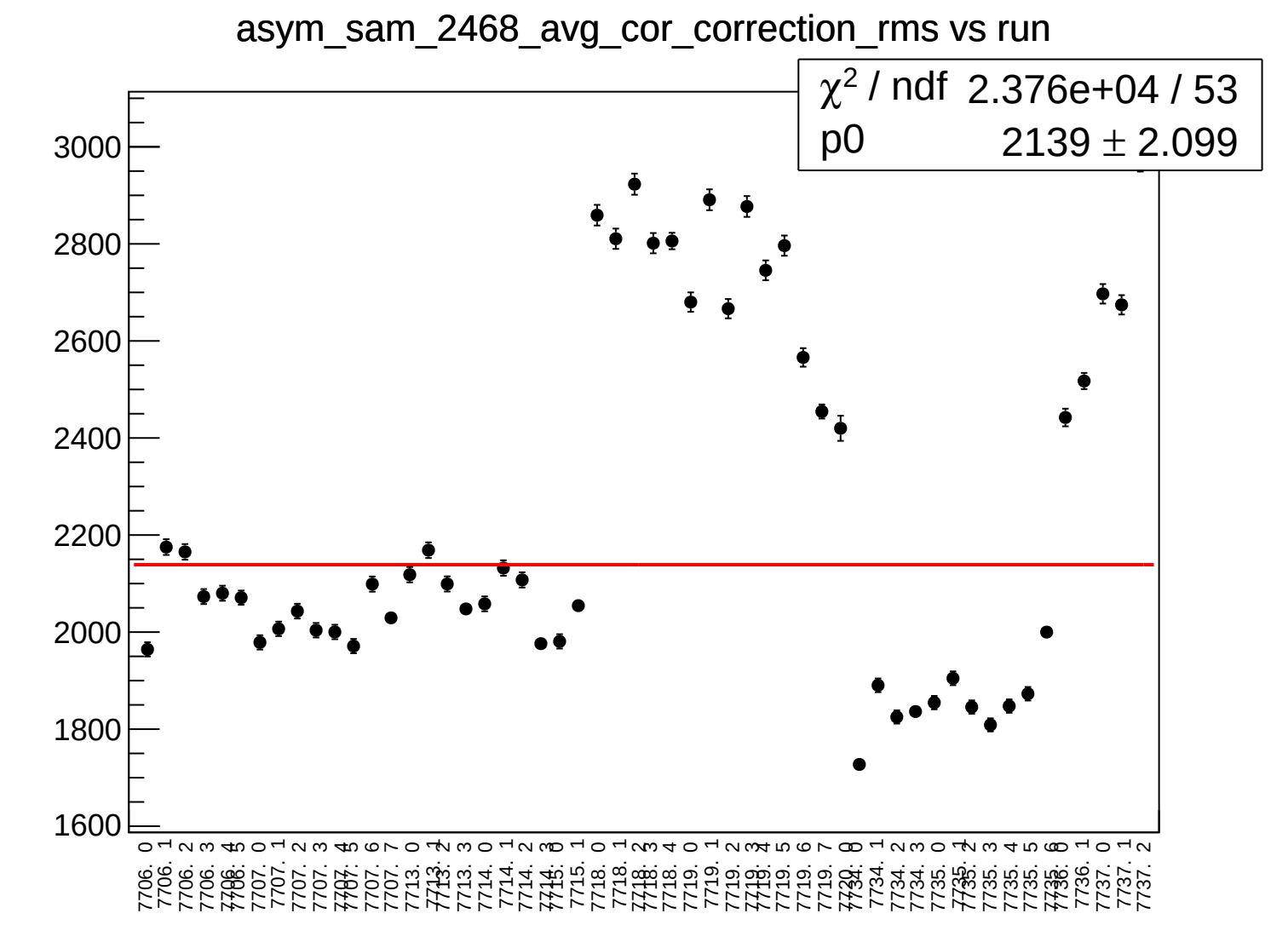

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 2.376e+04 / 53
p0 2139 ± 2.099
3000
2800
2600
2400
2200
2000
1800
1600

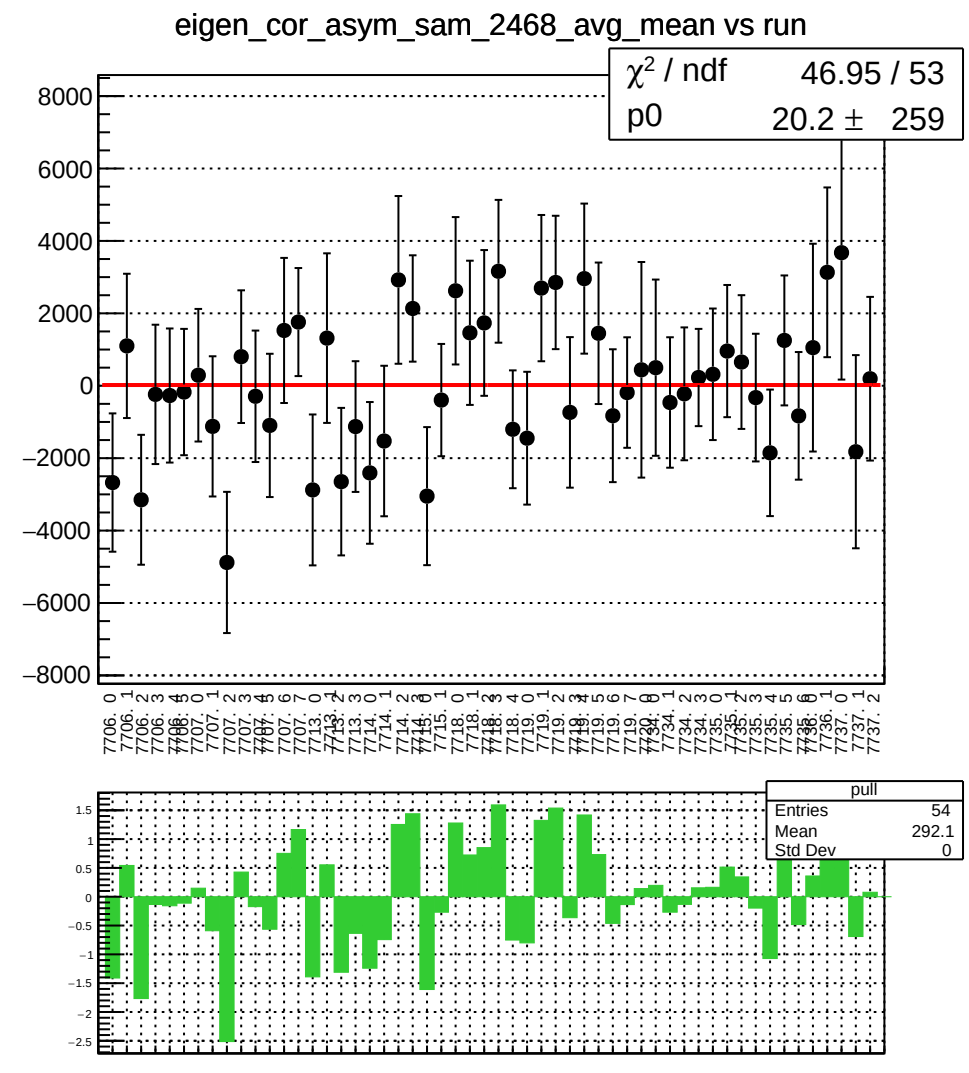

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 46.95 / 53
p0 20.2 ± 259
pull
Entries 54
Mean 292.1
Std Dev 0
pull1D
Entries 54
Mean 0.01436
Std Dev 0.9323

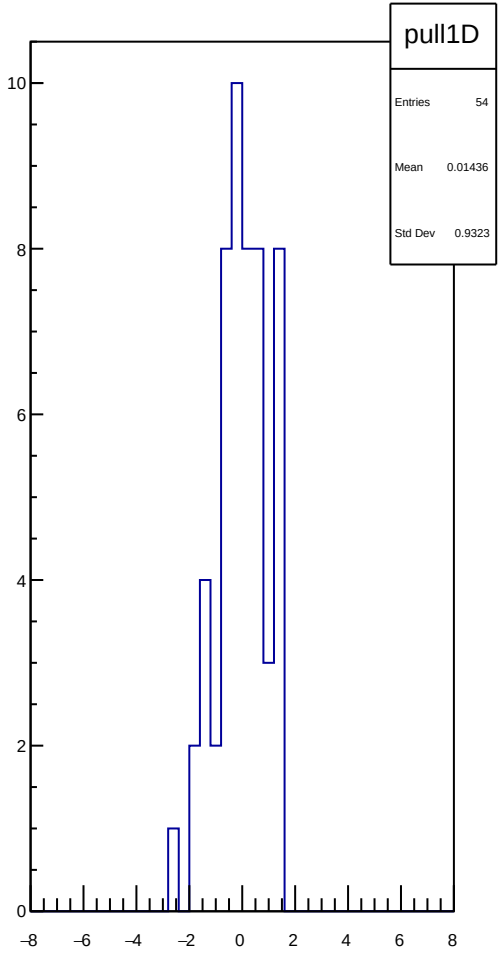

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 53
p0 187.4 ± 0.1831
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

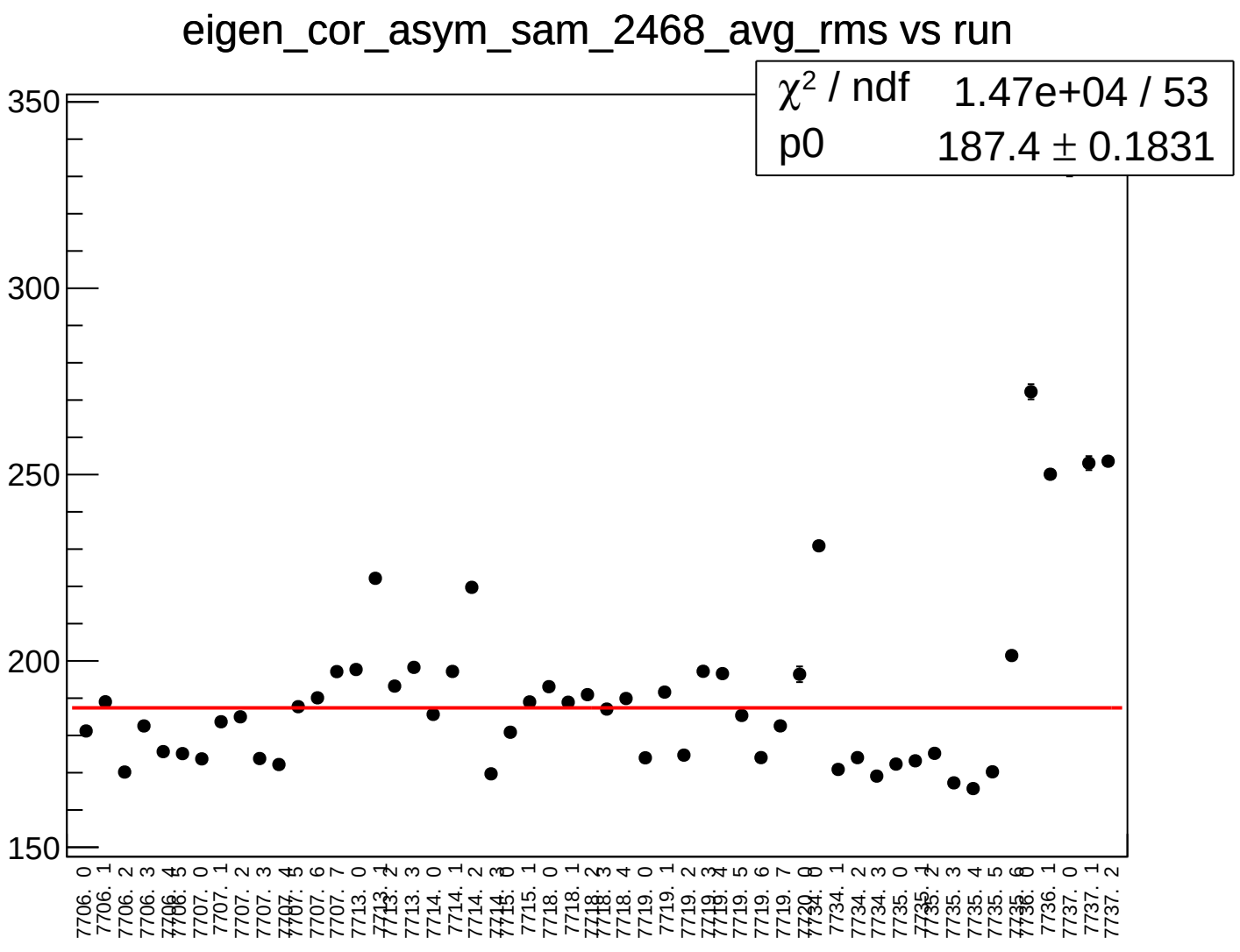

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 35.82 / 53
p0 823 ± 2969
×10³
pull
Entries 54
Mean 1441
Std Dev 0

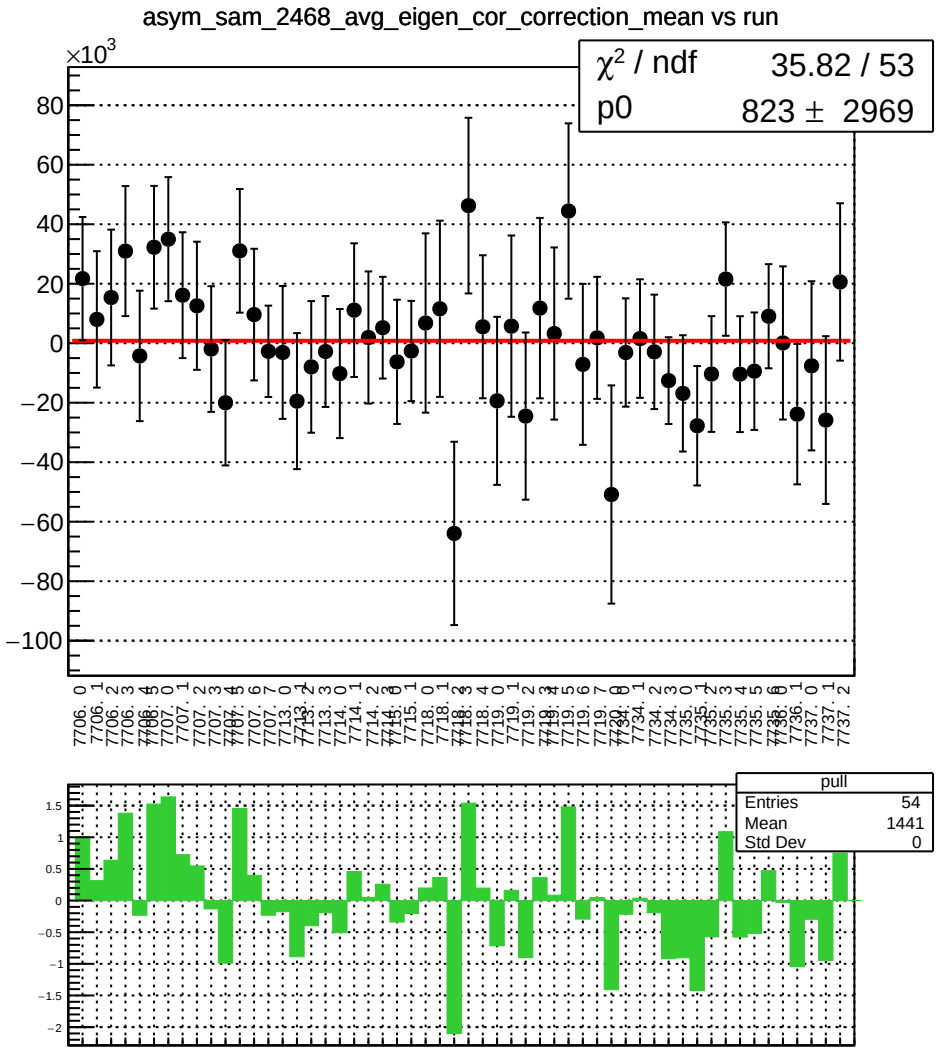

pull1D
Entries 54
Mean −0.003354
Std Dev 0.8145

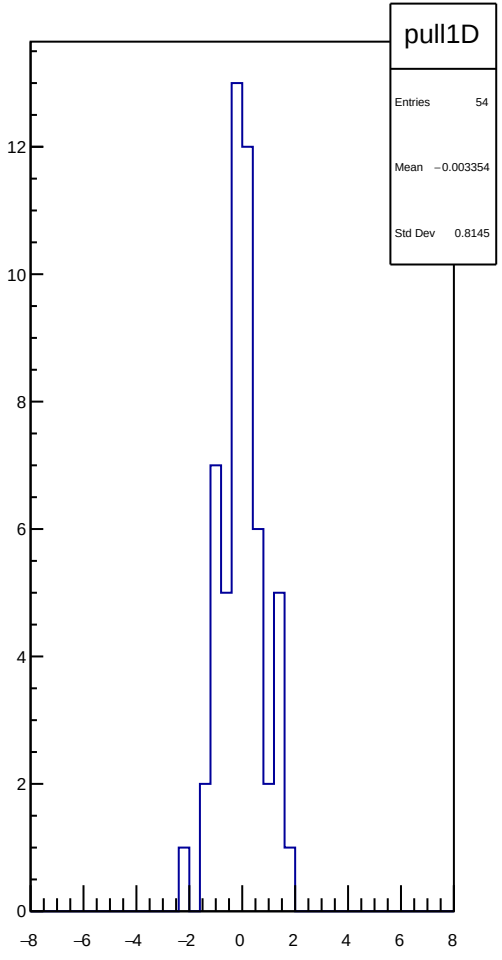

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 2.376e+04 / 53
p0 2139 ± 2.099
3000
2800
2600
2400
2200
2000
1800
1600

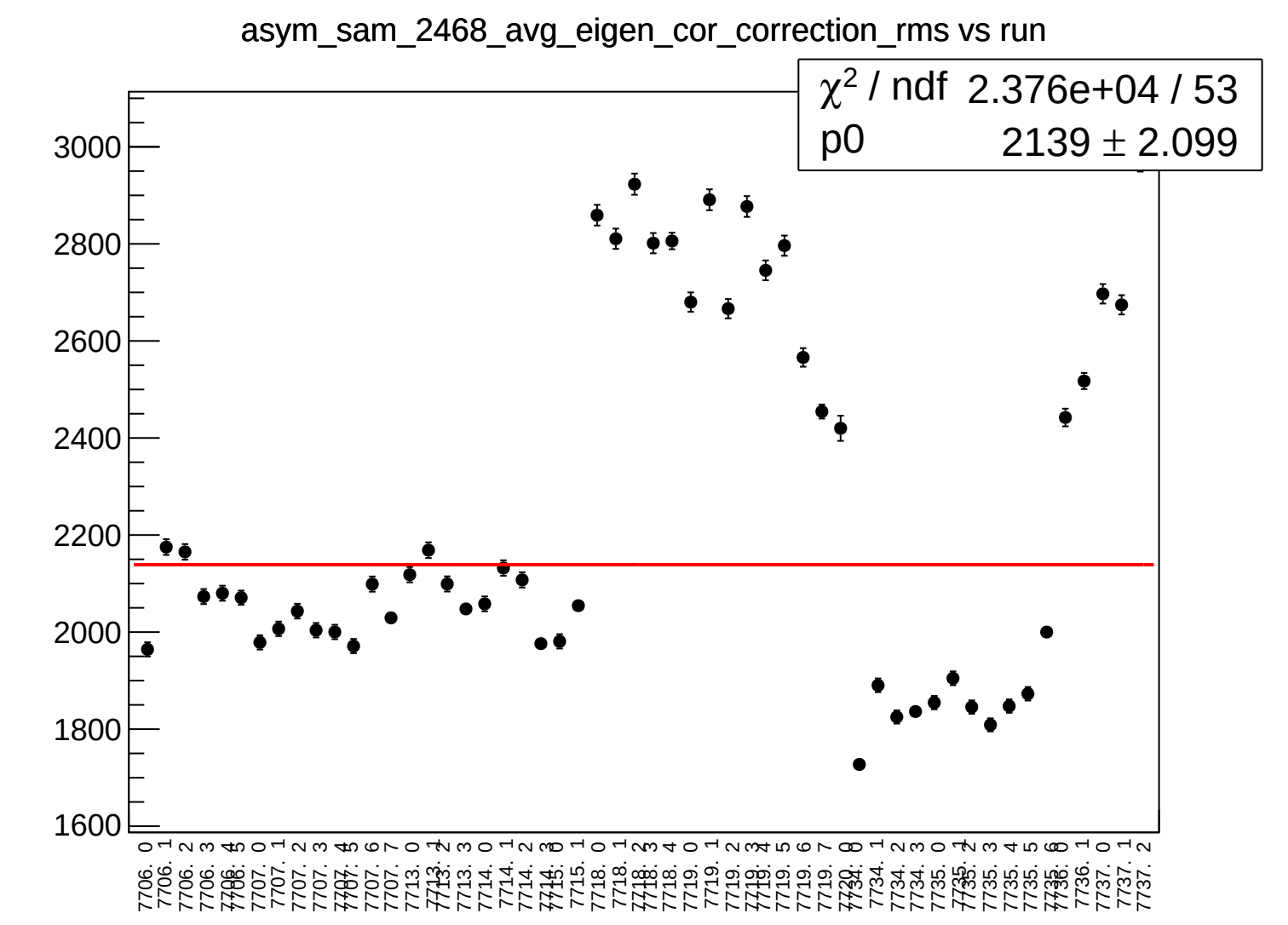

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 46.95 / 53
p0 20.2 ± 259
pull
Entries 54
Mean 292.1
Std Dev 0

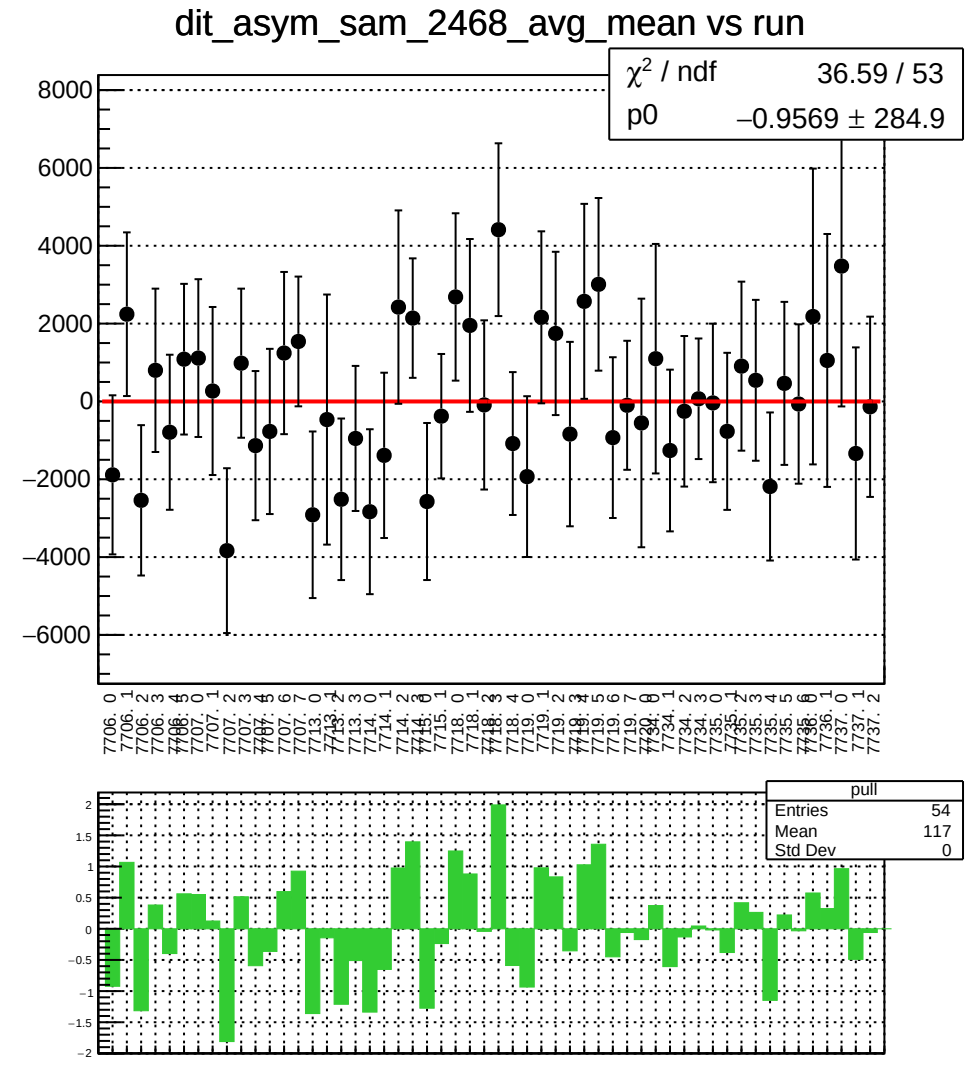

pull1D
Entries 54
Mean 0.01436
Std Dev 0.9323

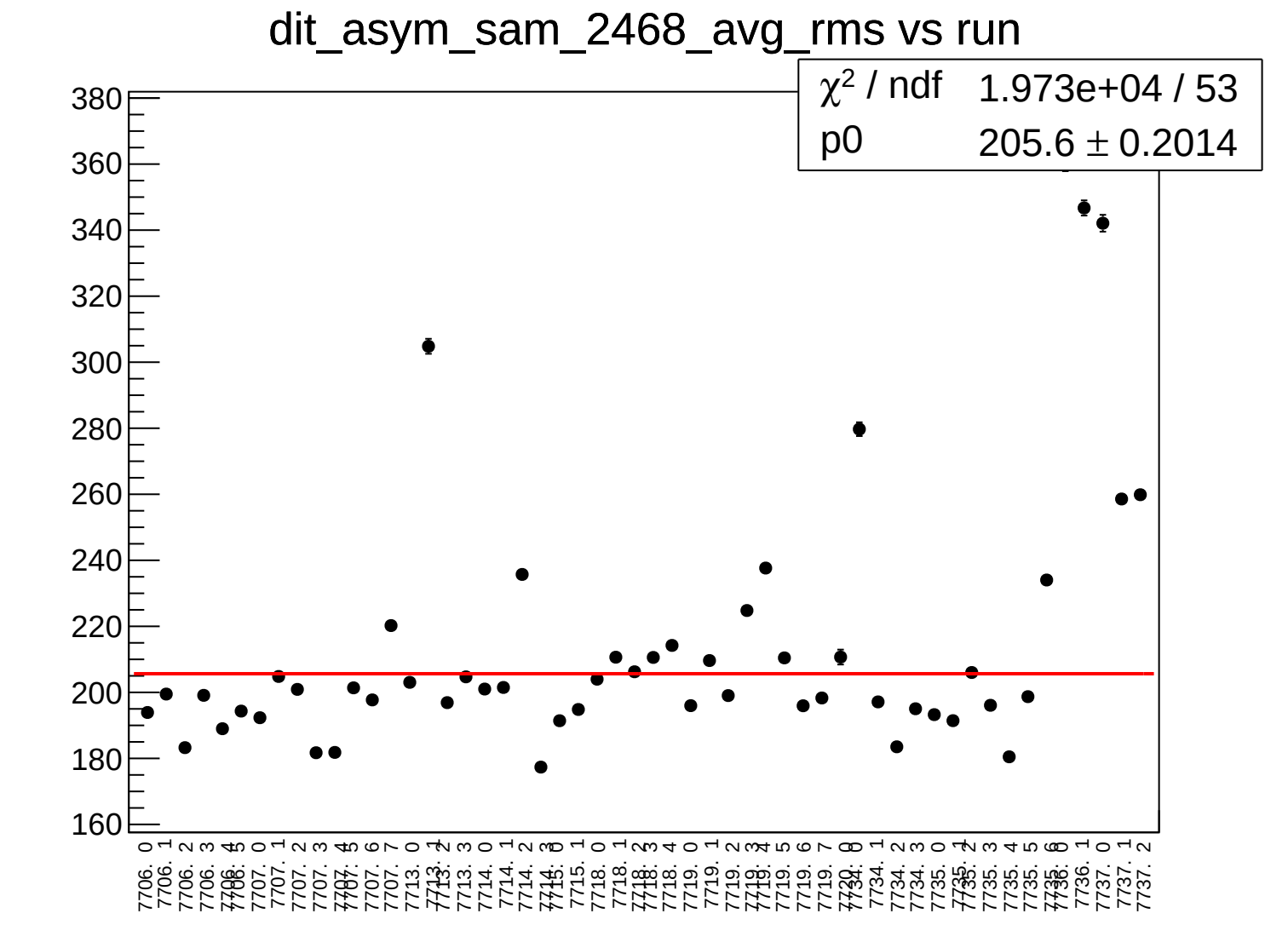

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 53
p0 187.4 ± 0.1831
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

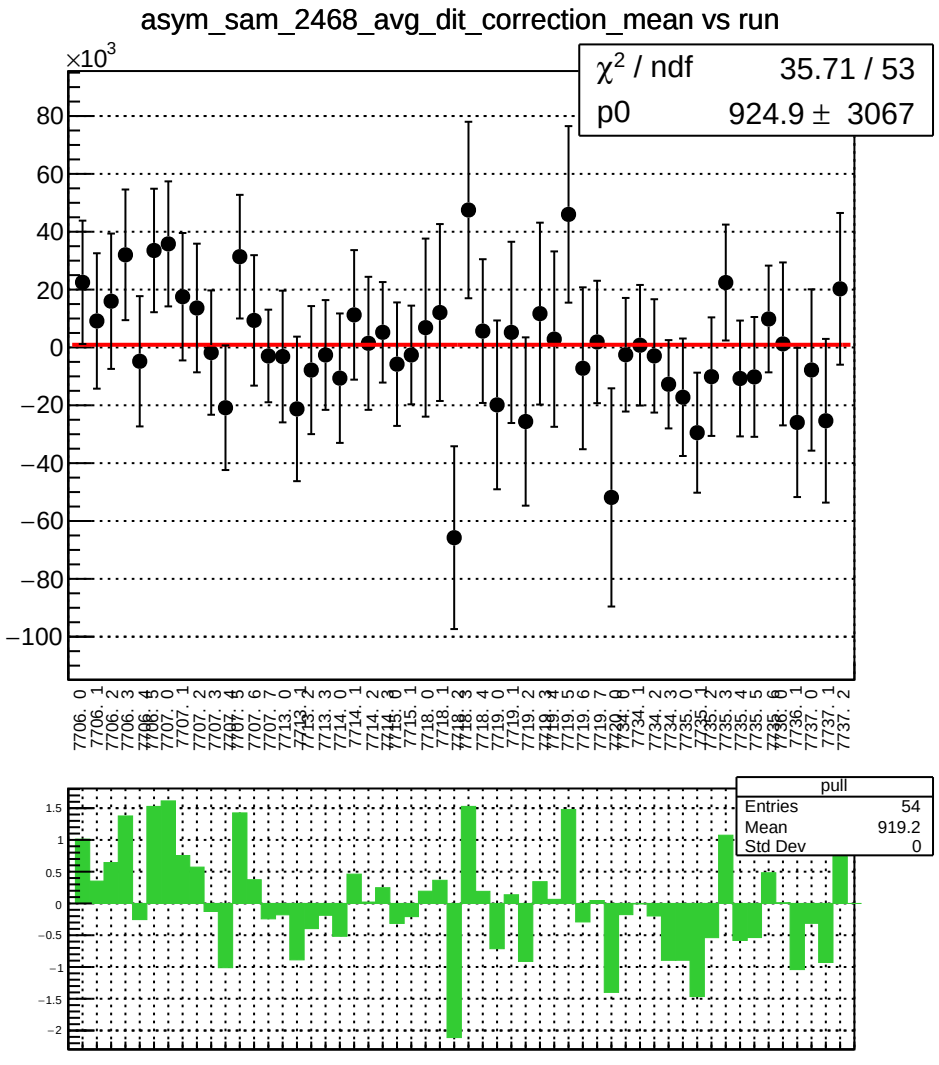

asym_sam_2468_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.82 / 53
p0 823 ± 2969
pull
Entries 54
Mean 1441
Std Dev 0

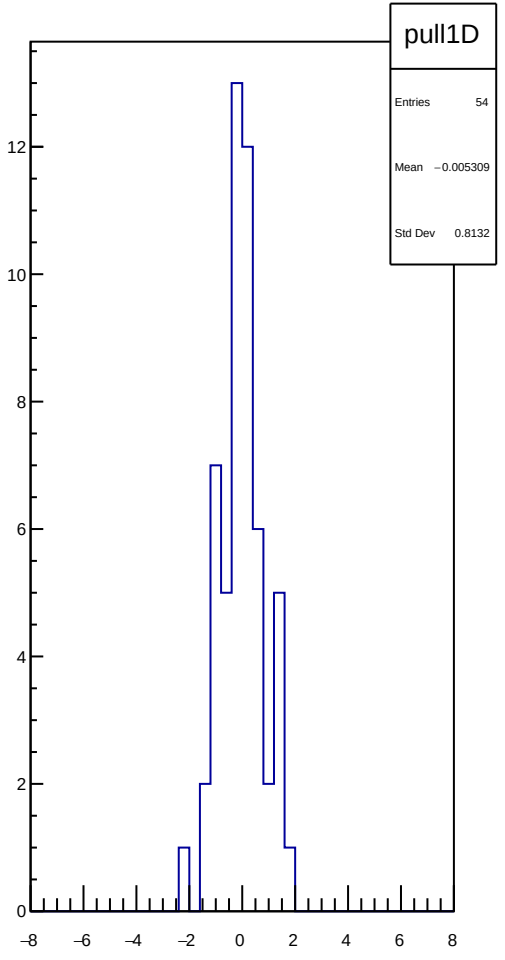

pull1D
Entries 54
Mean −0.003354
Std Dev 0.8145

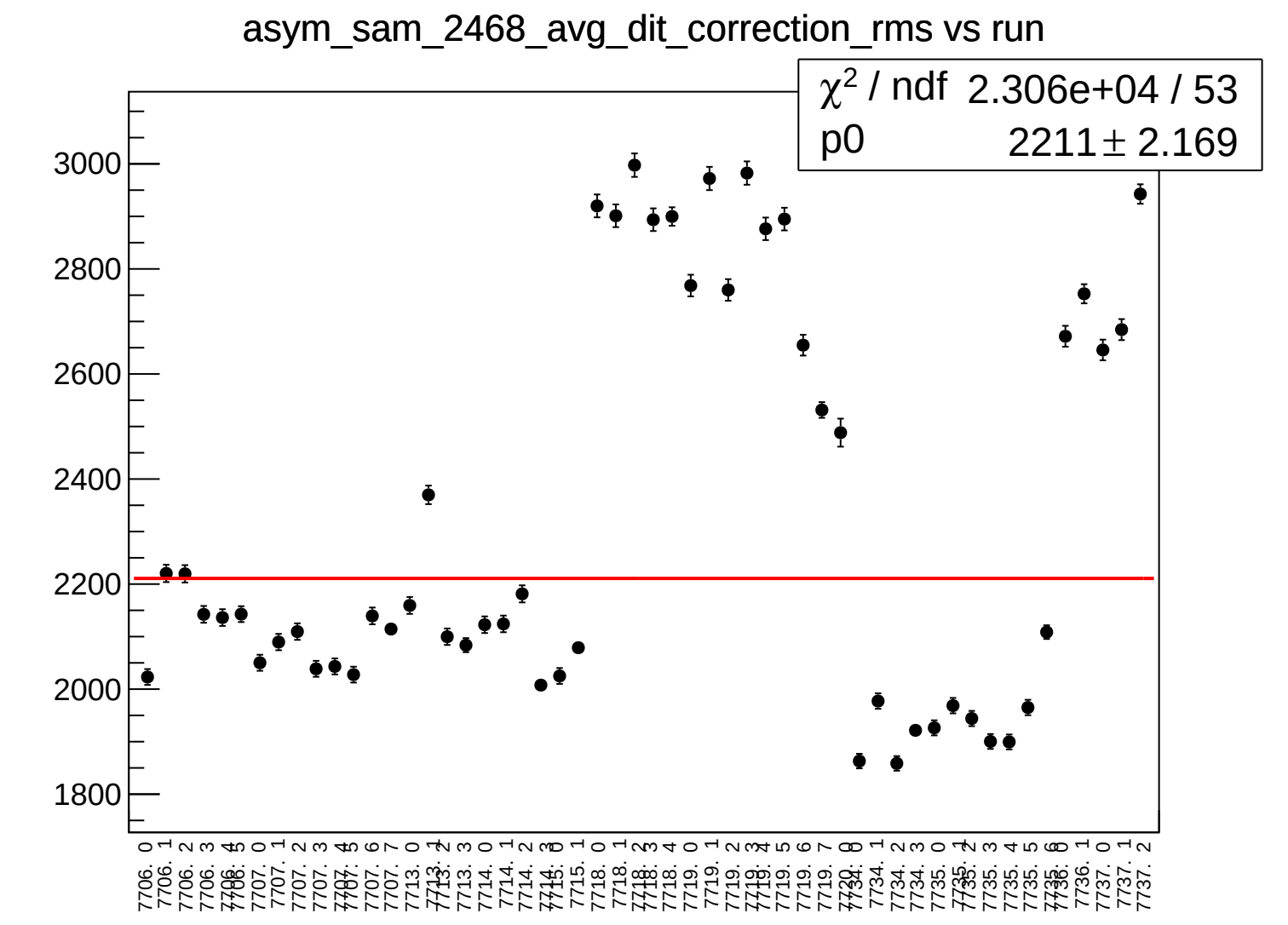

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.376e+04 / 53
p0 2139 ± 2.099
3000
2800
2600
2400
2200
2000
1800
1600

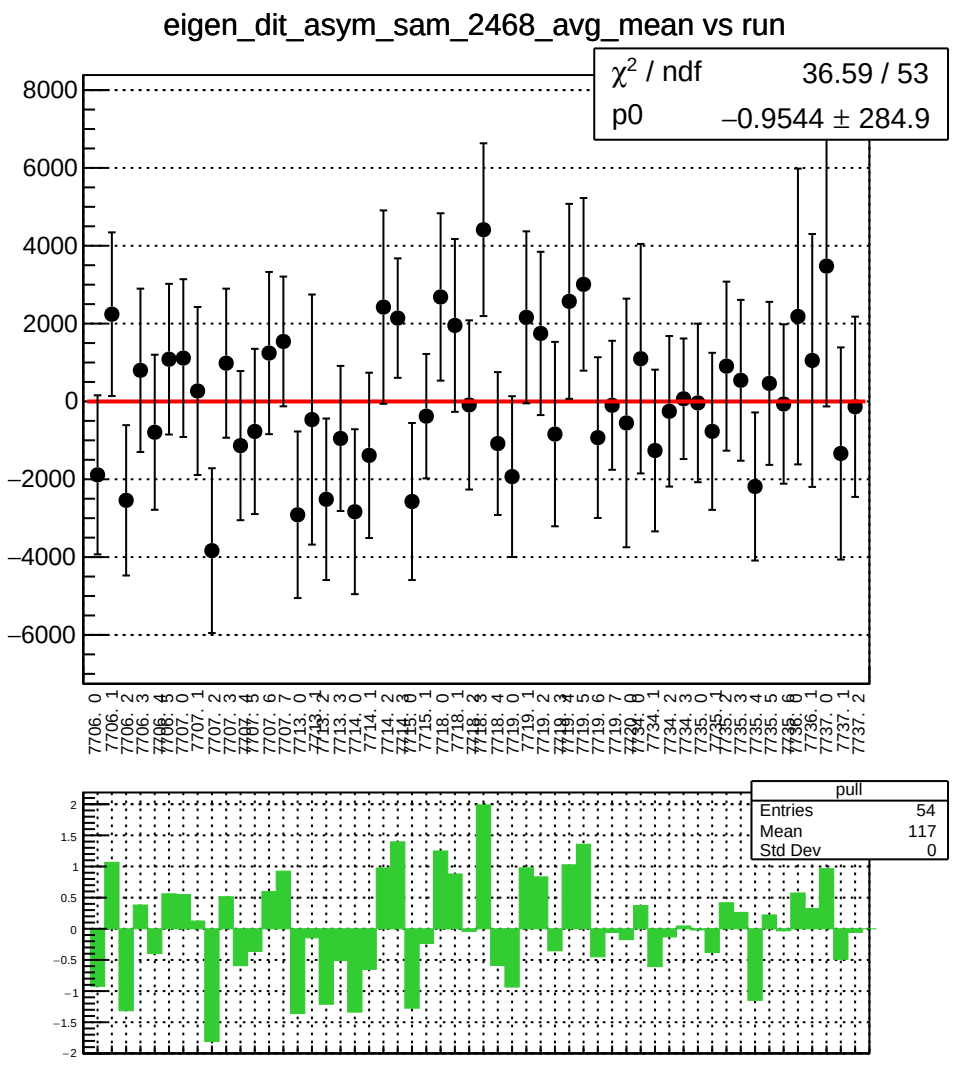

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 36.59 / 53
p0 −0.9569 ± 284.9
pull
Entries 54
Mean 117
Std Dev 0
pull1D
Entries 54
Mean 0.0184
Std Dev 0.8229

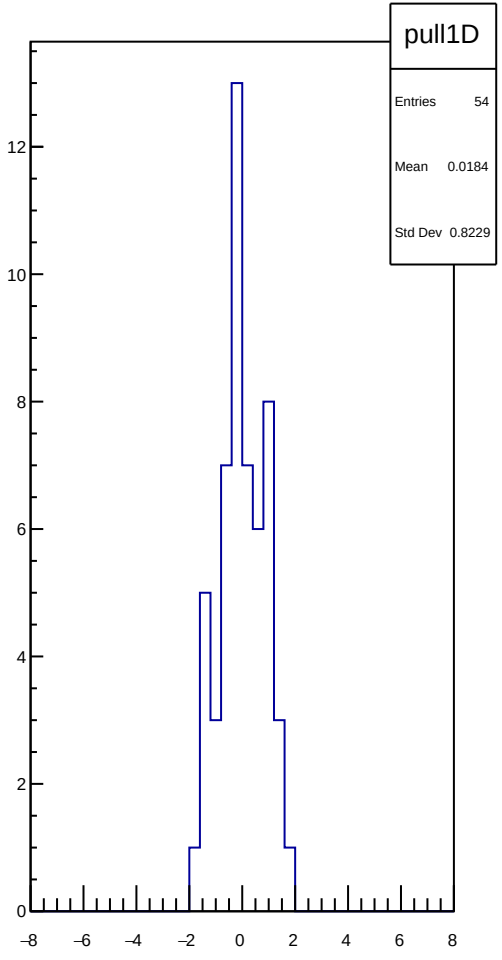

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.973e+04 / 53
p0 205.6 ± 0.2014
380
360
340
320
300
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

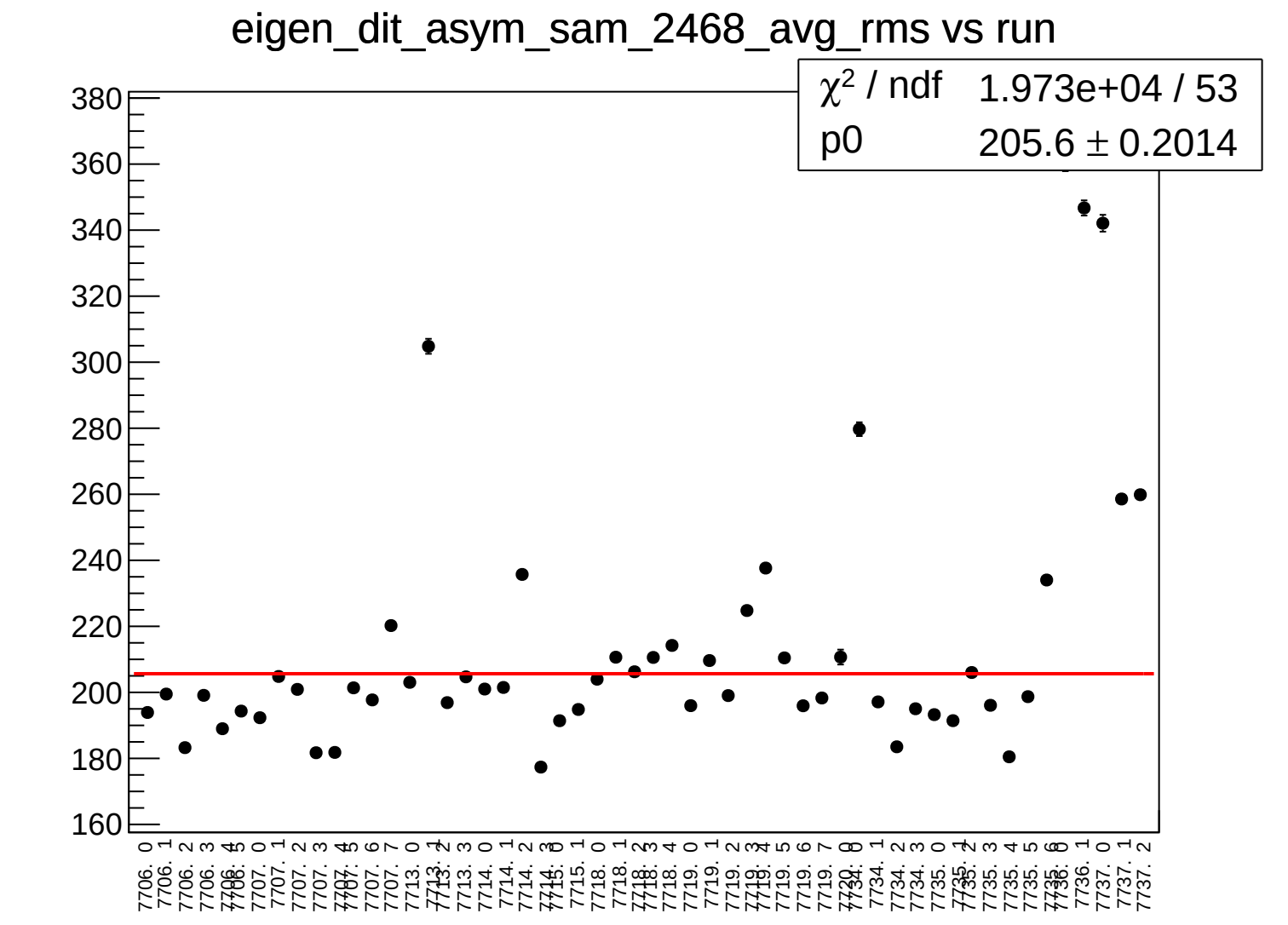

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 35.71 / 53
p0 924.9 ± 3067
×10³
pull
Entries 54
Mean 919.2
Std Dev 0

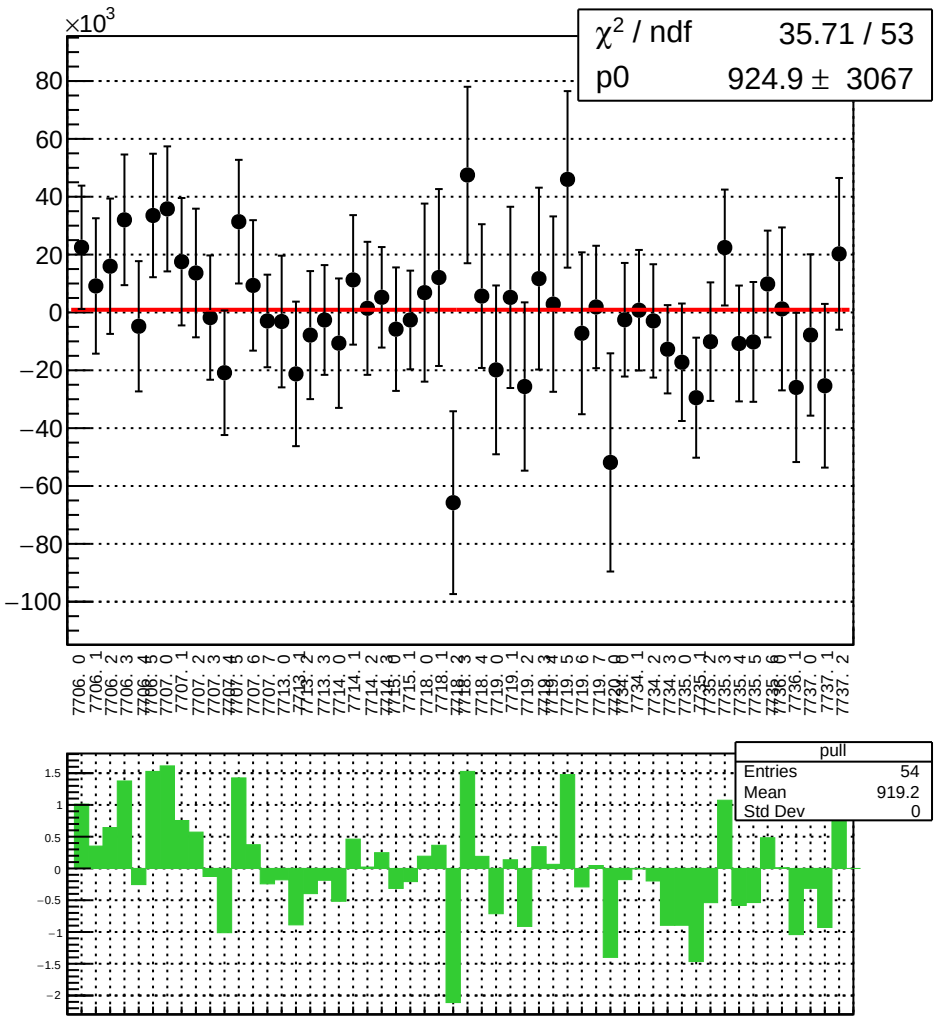

pull1D
Entries 54
Mean −0.005309
Std Dev 0.8132

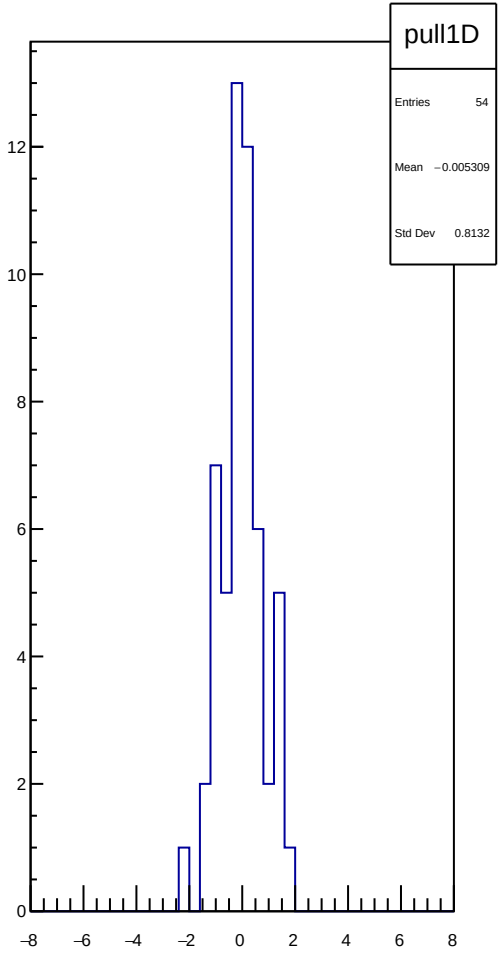

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2.306e+04 / 53
p0 2211 ± 2.169
3000
2800
2600
2400
2200
2000
1800

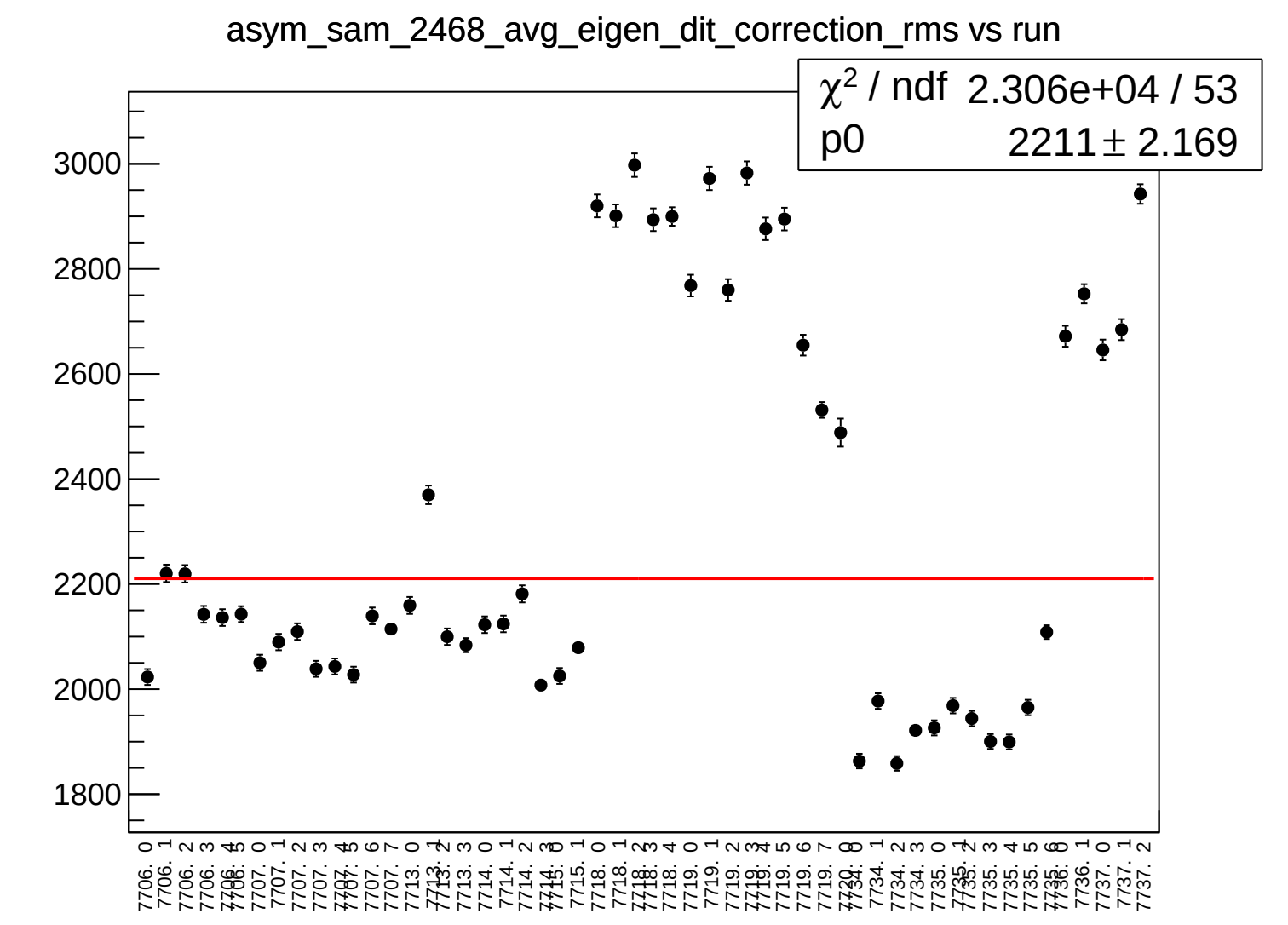

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 36.59 / 53
p0 −0.9544 ± 284.9
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 117
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

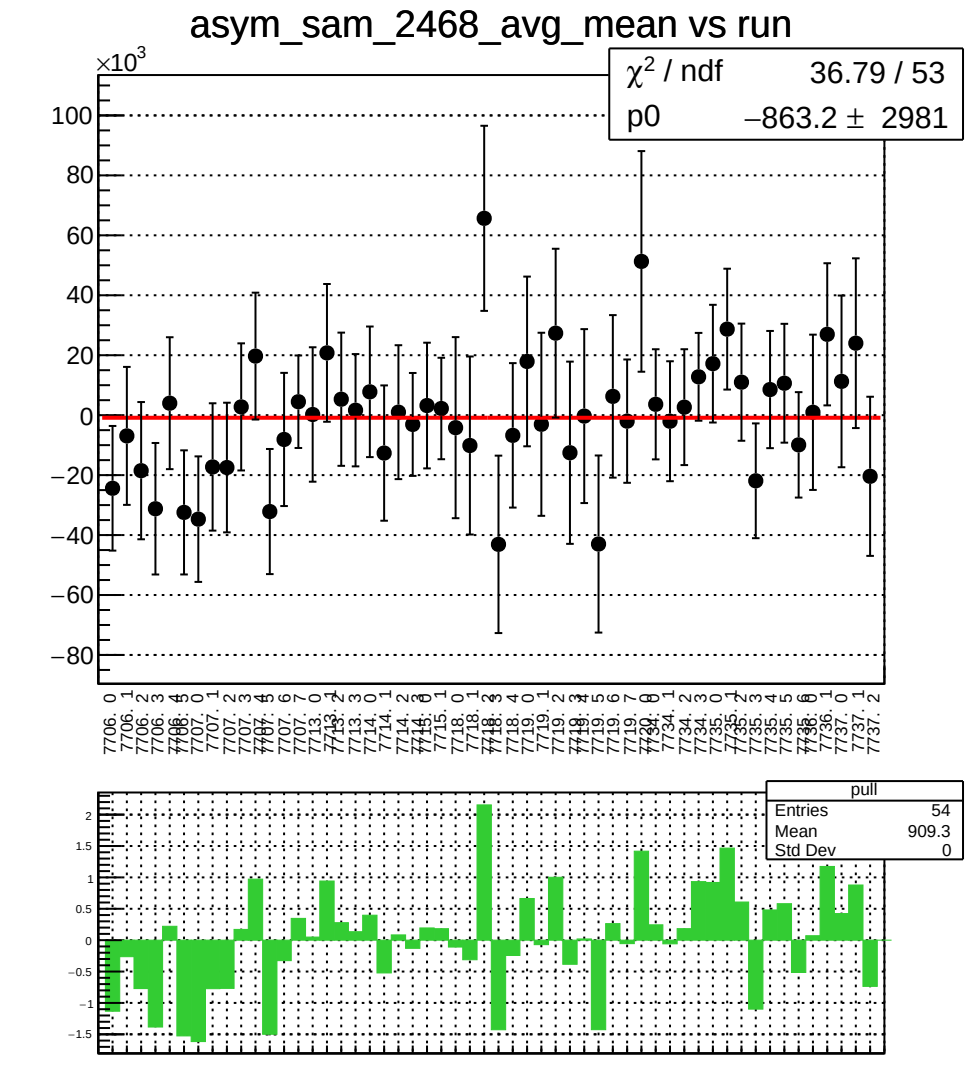

pull1D
Entries 54
Mean 0.0184
Std Dev 0.8229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

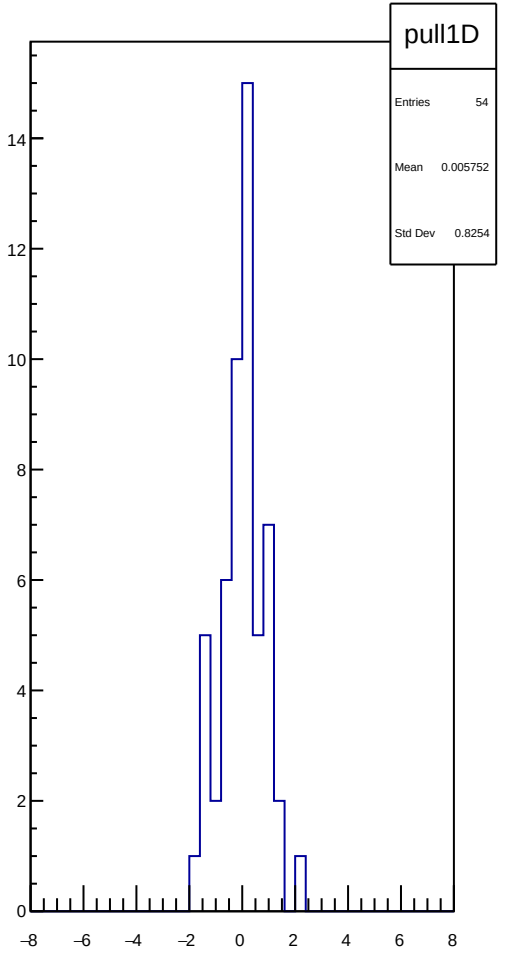

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.973e+04 / 53
p0 205.6 ± 0.2014
380
360
340
320
300
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

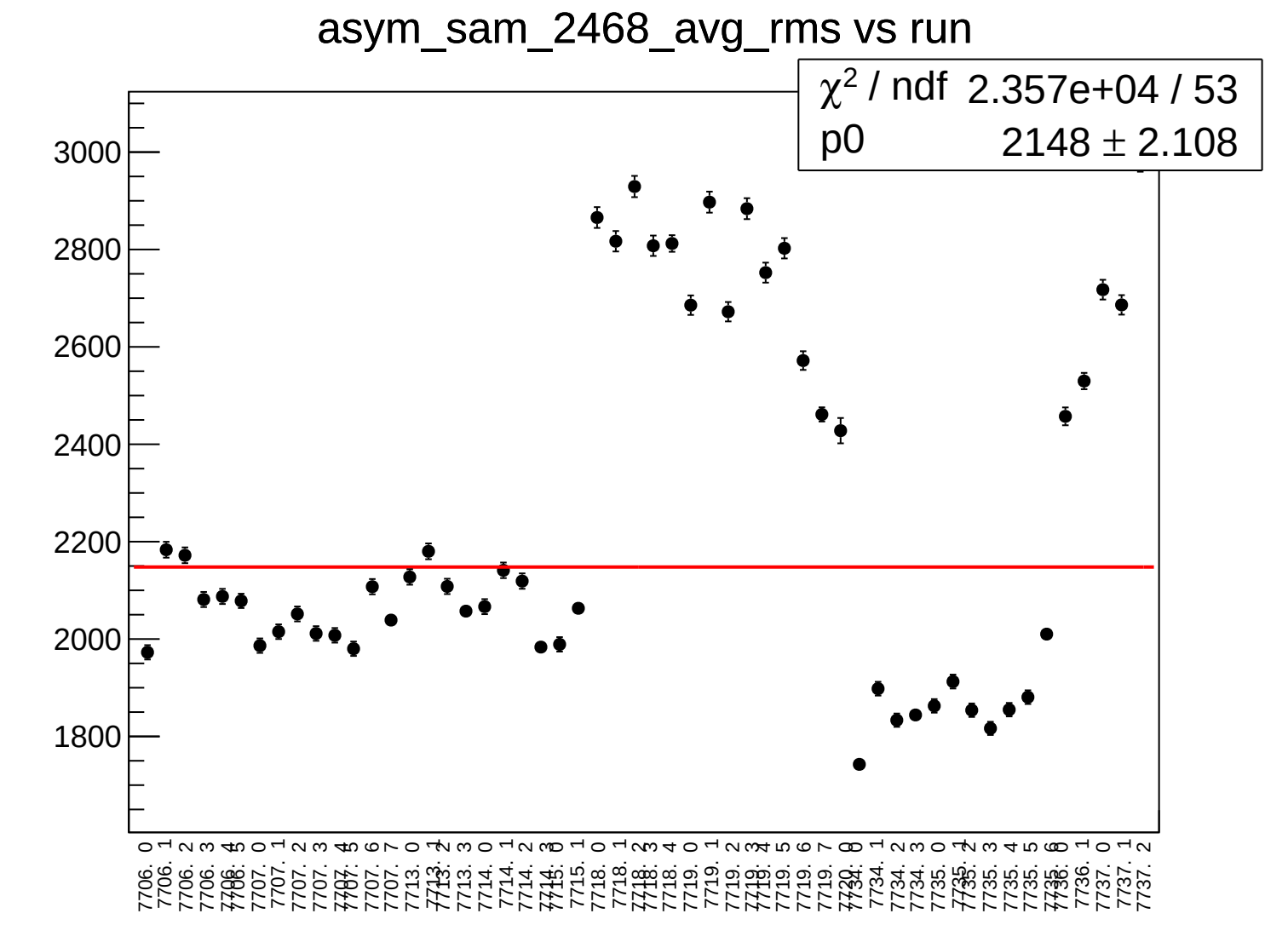

asym_sam_2468_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.71 / 53
p0 924.9 ± 3067
pull
Entries 54
Mean 919.2
Std Dev 0

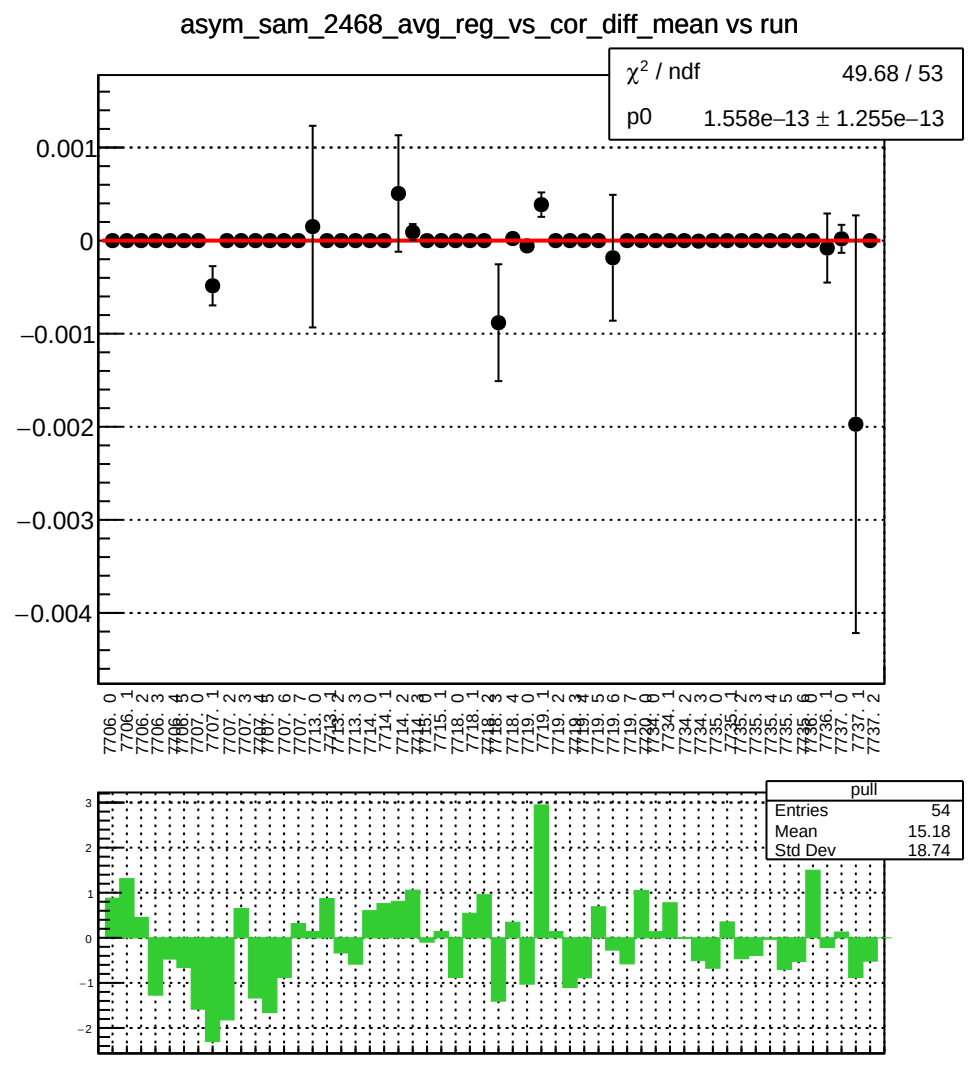

pull1D
Entries 54
Mean −0.005309
Std Dev 0.8132

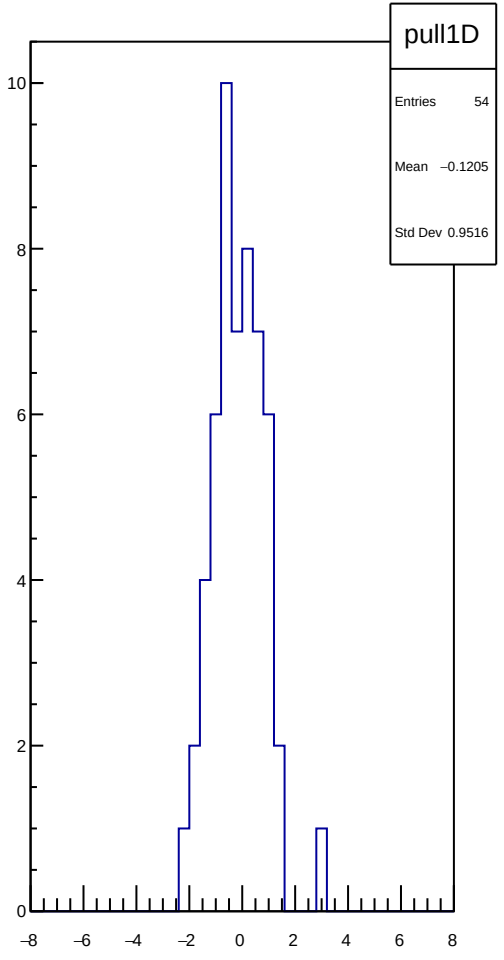

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.306e+04 / 53
p0 2211 ± 2.169
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

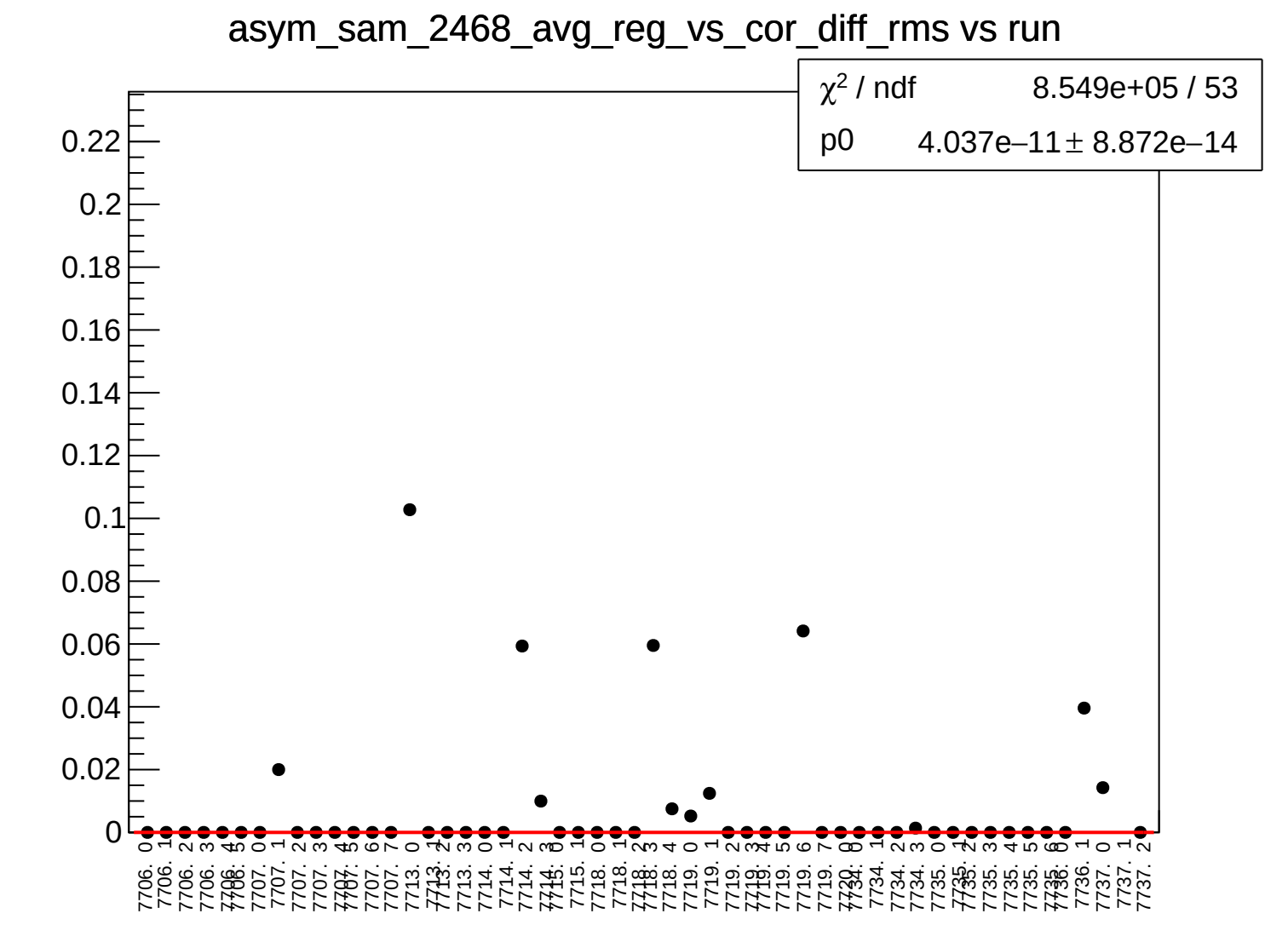

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 36.79 / 53
p0 −863.2 ± 2981
pull
Entries 54
Mean 909.3
Std Dev 0

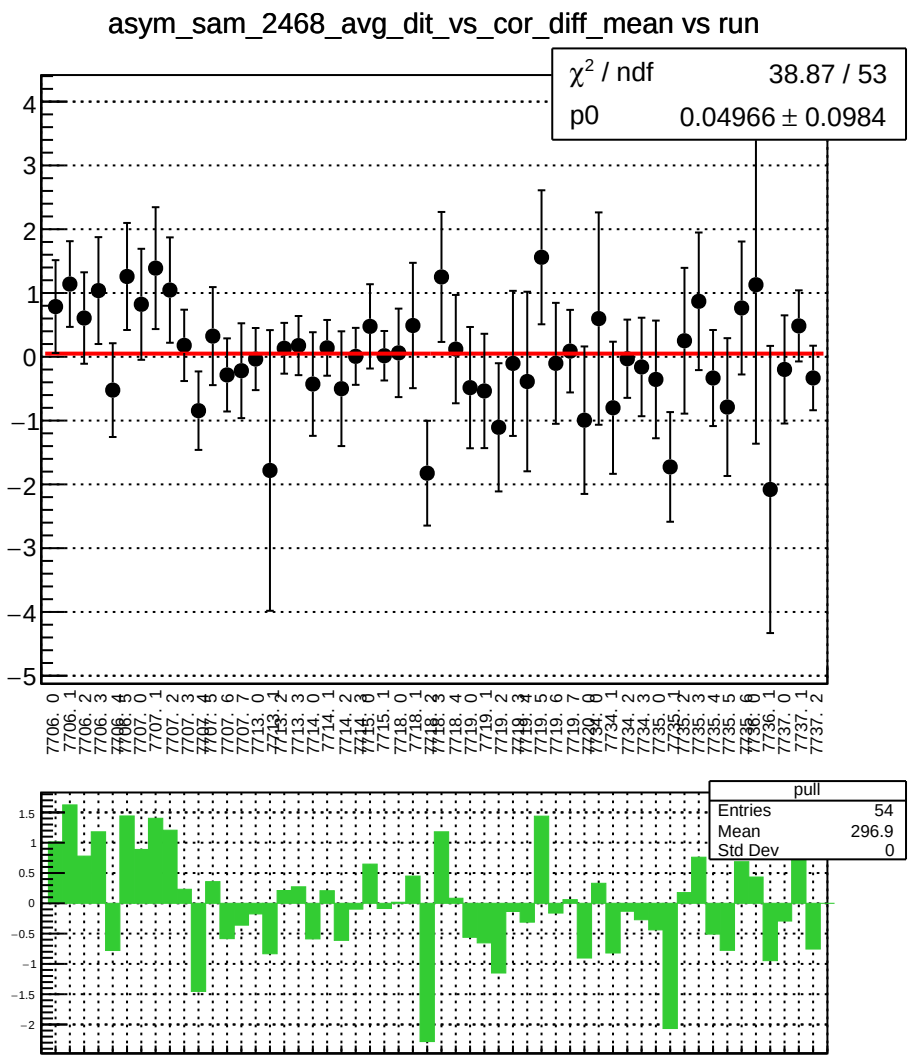

pull1D
Entries 54
Mean 0.005752
Std Dev 0.8254

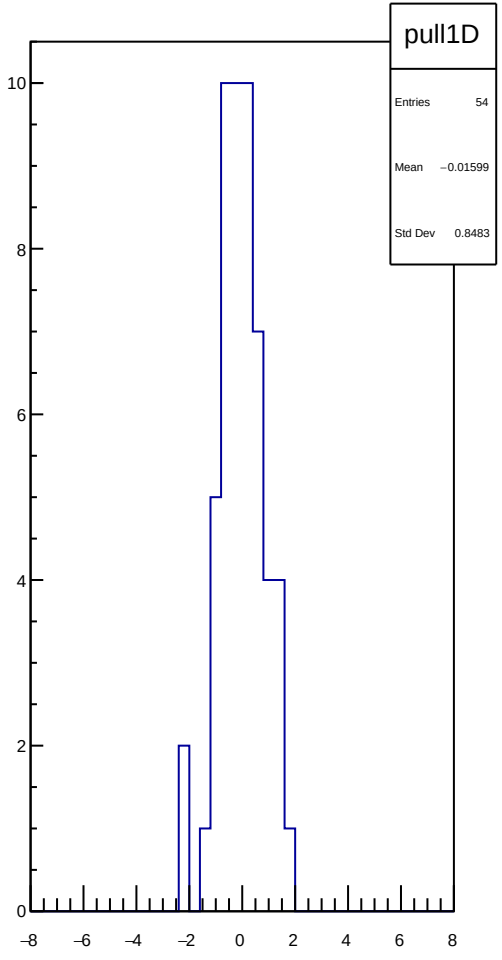

asym_sam_2468_avg_rms vs run
χ^2 / ndf 2.357e+04 / 53
p0 2148 ± 2.108
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

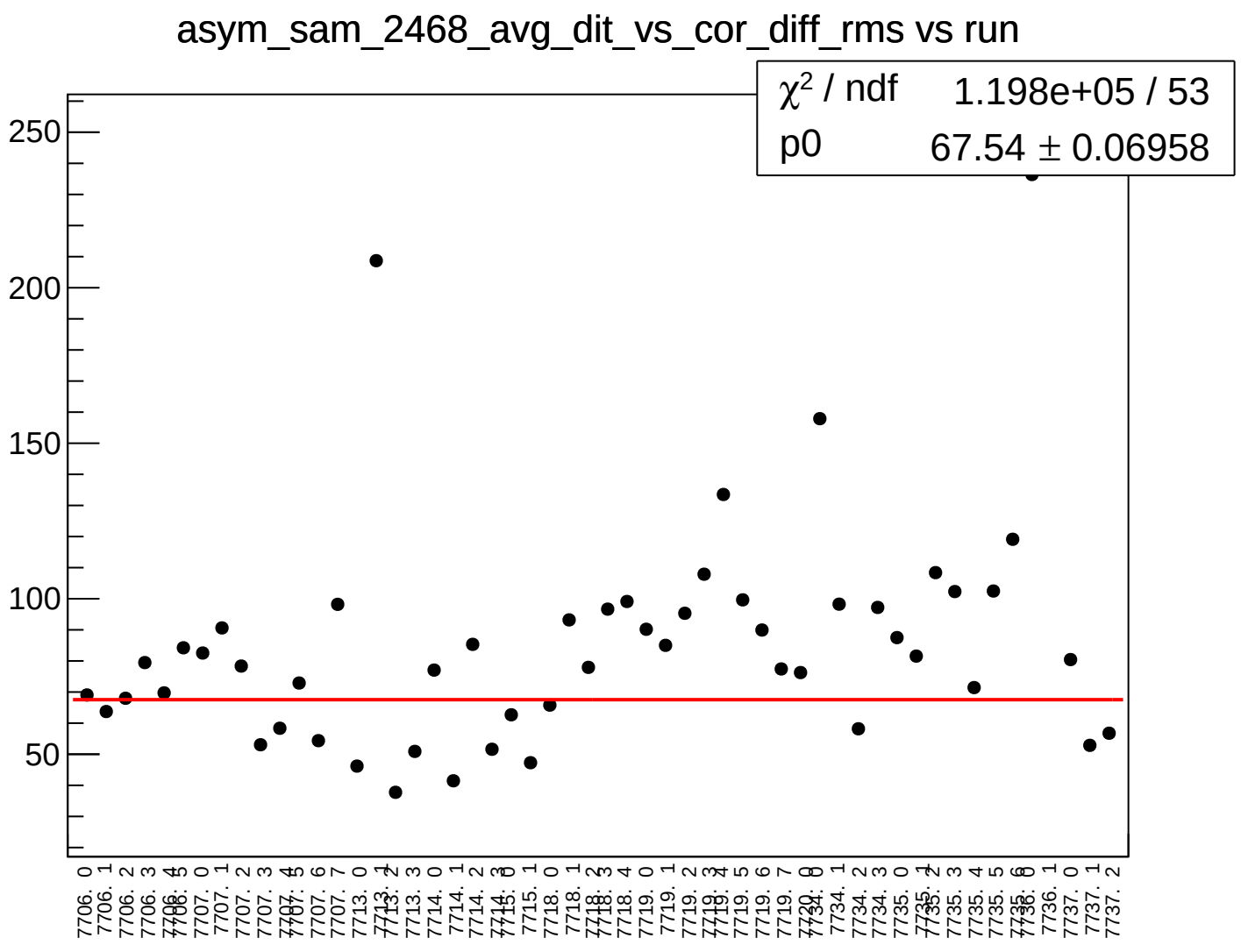

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.68 / 53
p0 1.558e−13 ± 1.255e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean 15.18
Std Dev 18.74

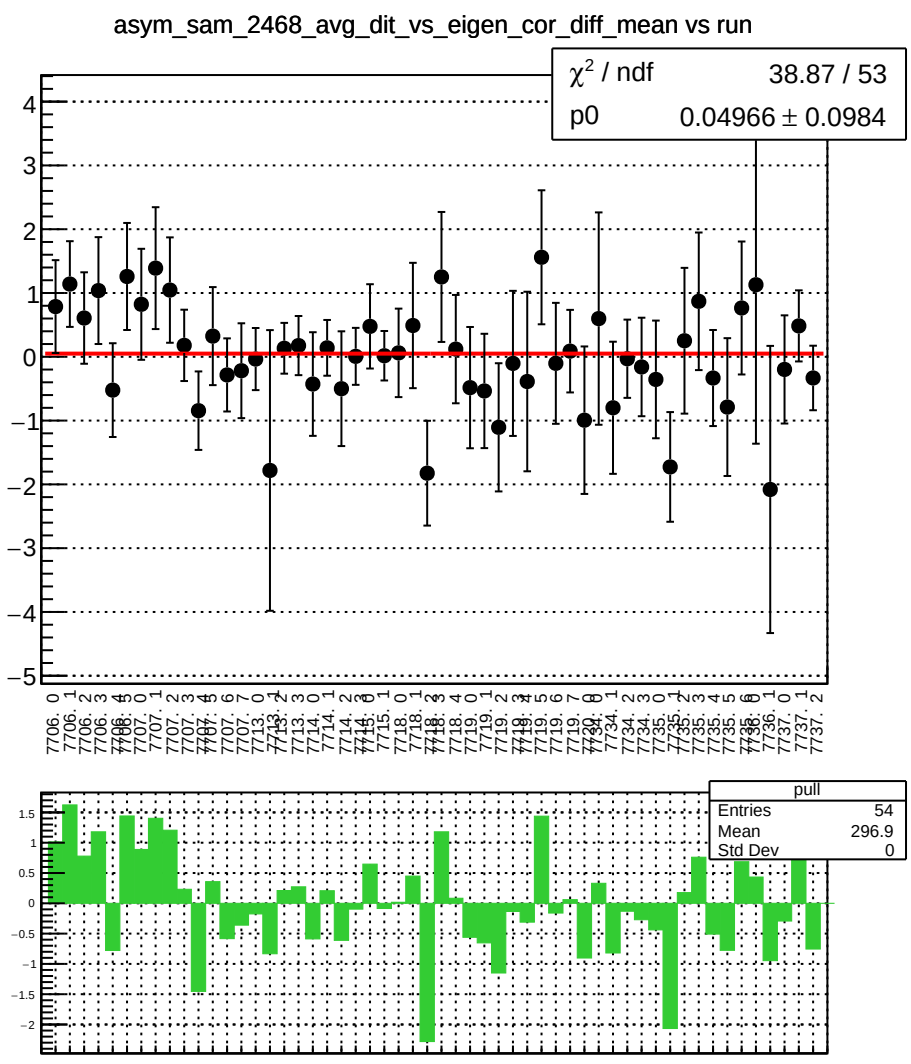

pull1D
Entries 54
Mean −0.1205
Std Dev 0.9516

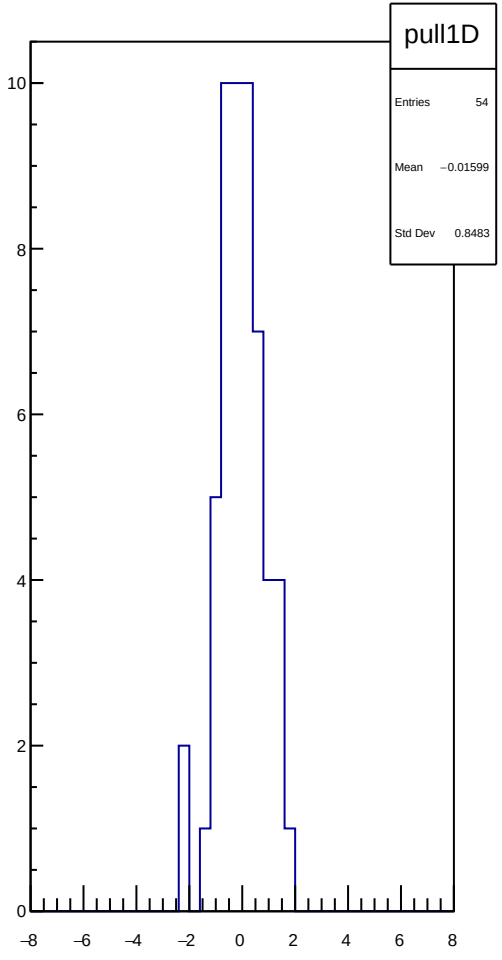

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.549e+05 / 53
p0 4.037e−11 ± 8.872e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

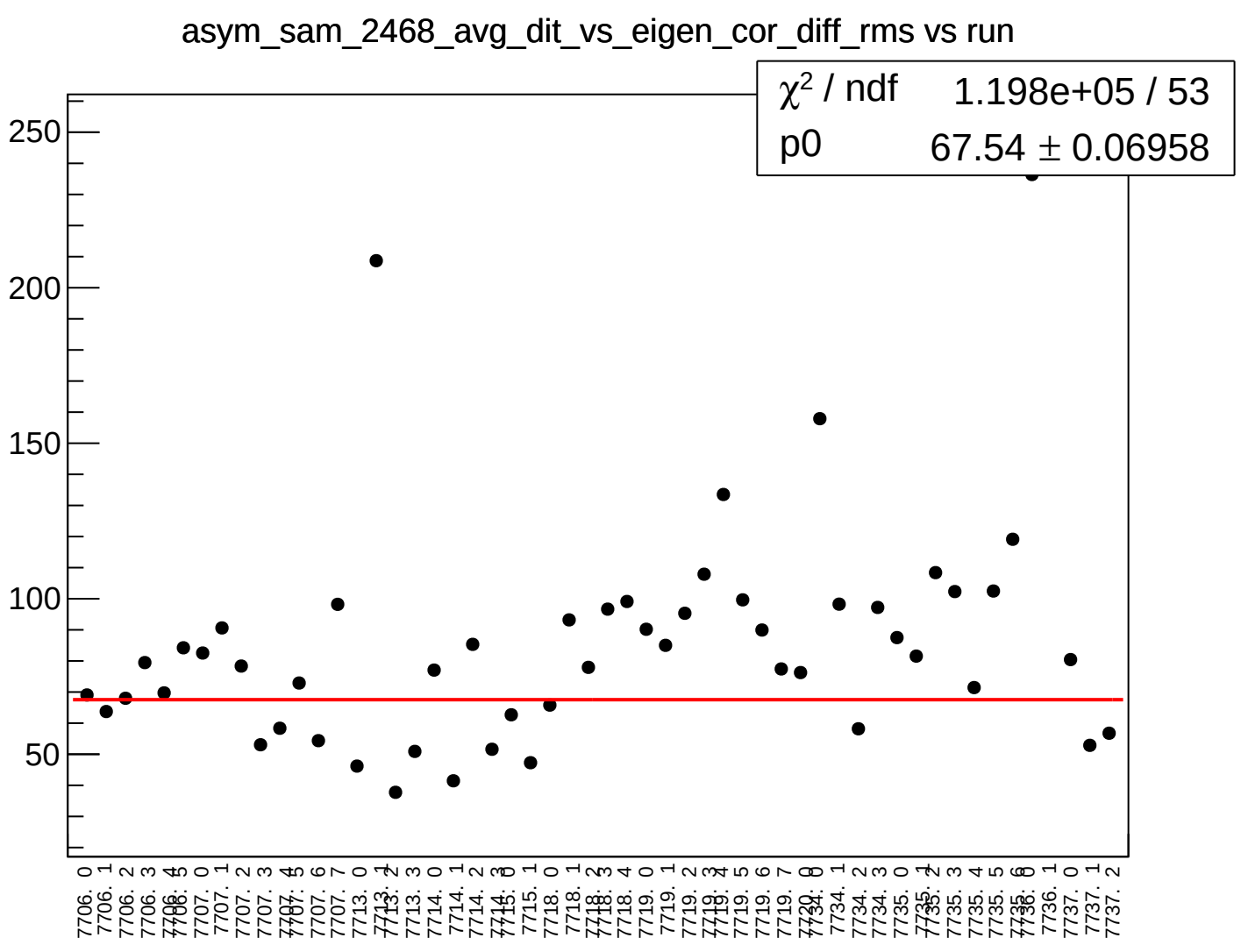

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.87 / 53
p0 0.04966 ± 0.0984
pull
Entries 54
Mean 296.9
Std Dev 0

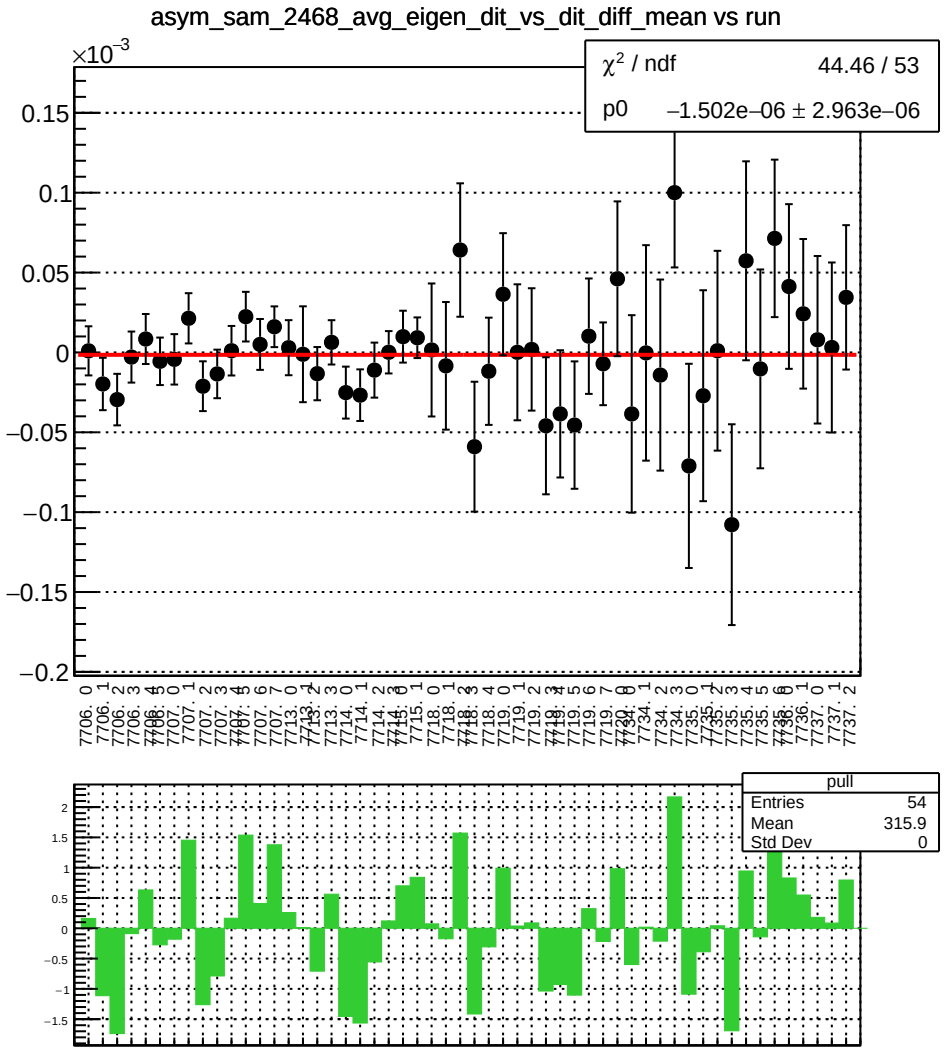

pull1D
Entries 54
Mean −0.01599
Std Dev 0.8483

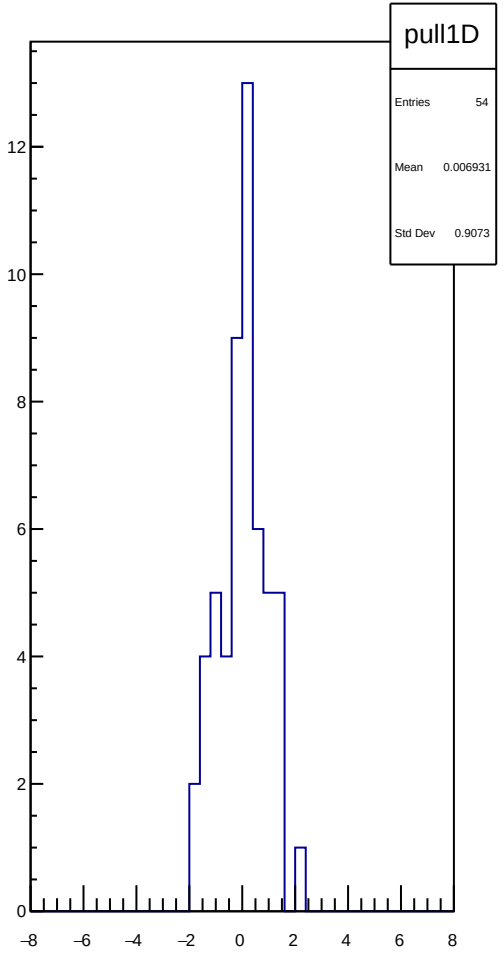

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.198e+05 / 53
p0 67.54 ± 0.06958
250
200
150
100
50

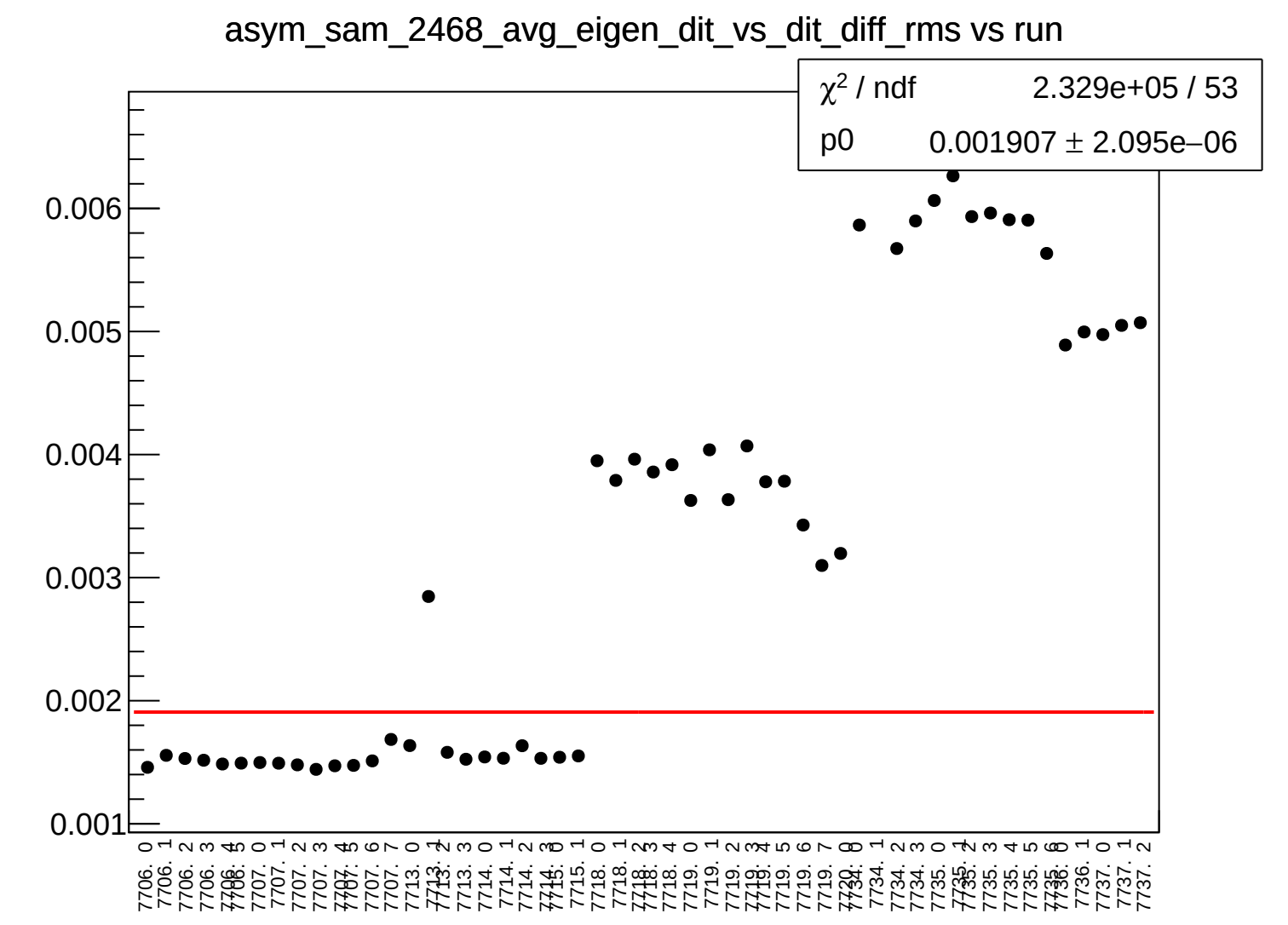

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.87 / 53
p0 0.04966 ± 0.0984
pull
Entries 54
Mean 296.9
Std Dev 0

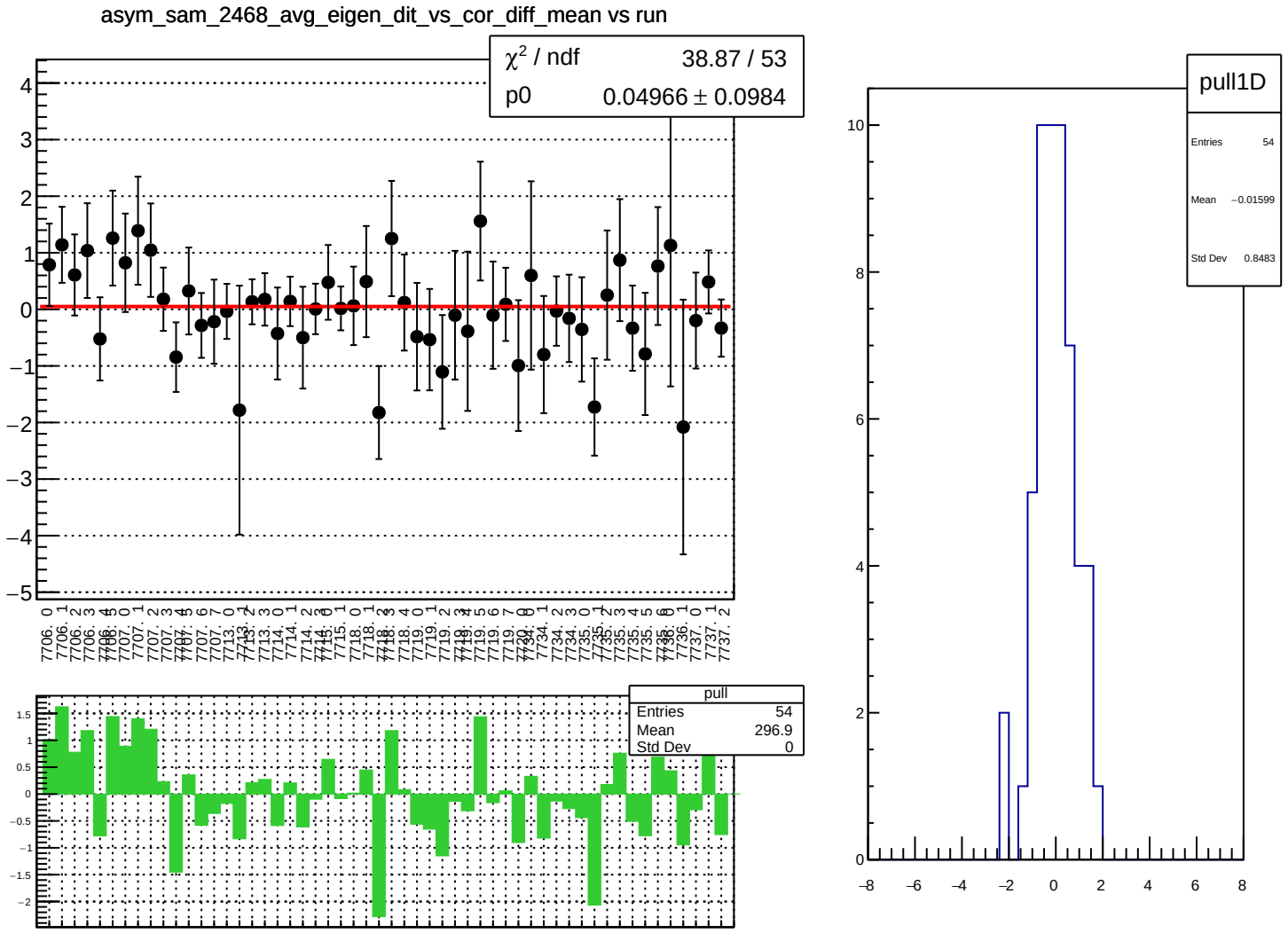

pull1D
Entries 54
Mean −0.01599
Std Dev 0.8483

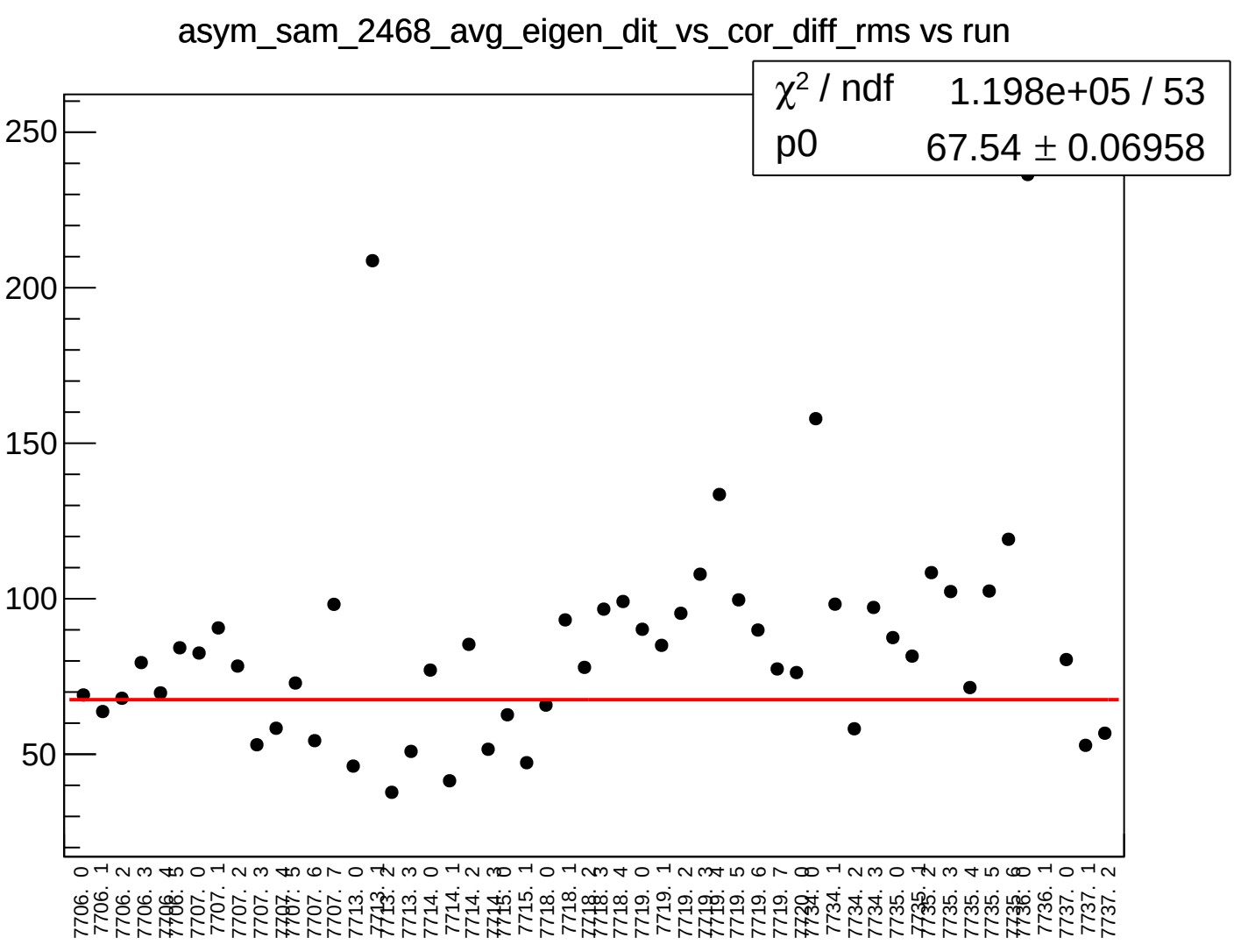

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 53
p0 67.54 ± 0.06958
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

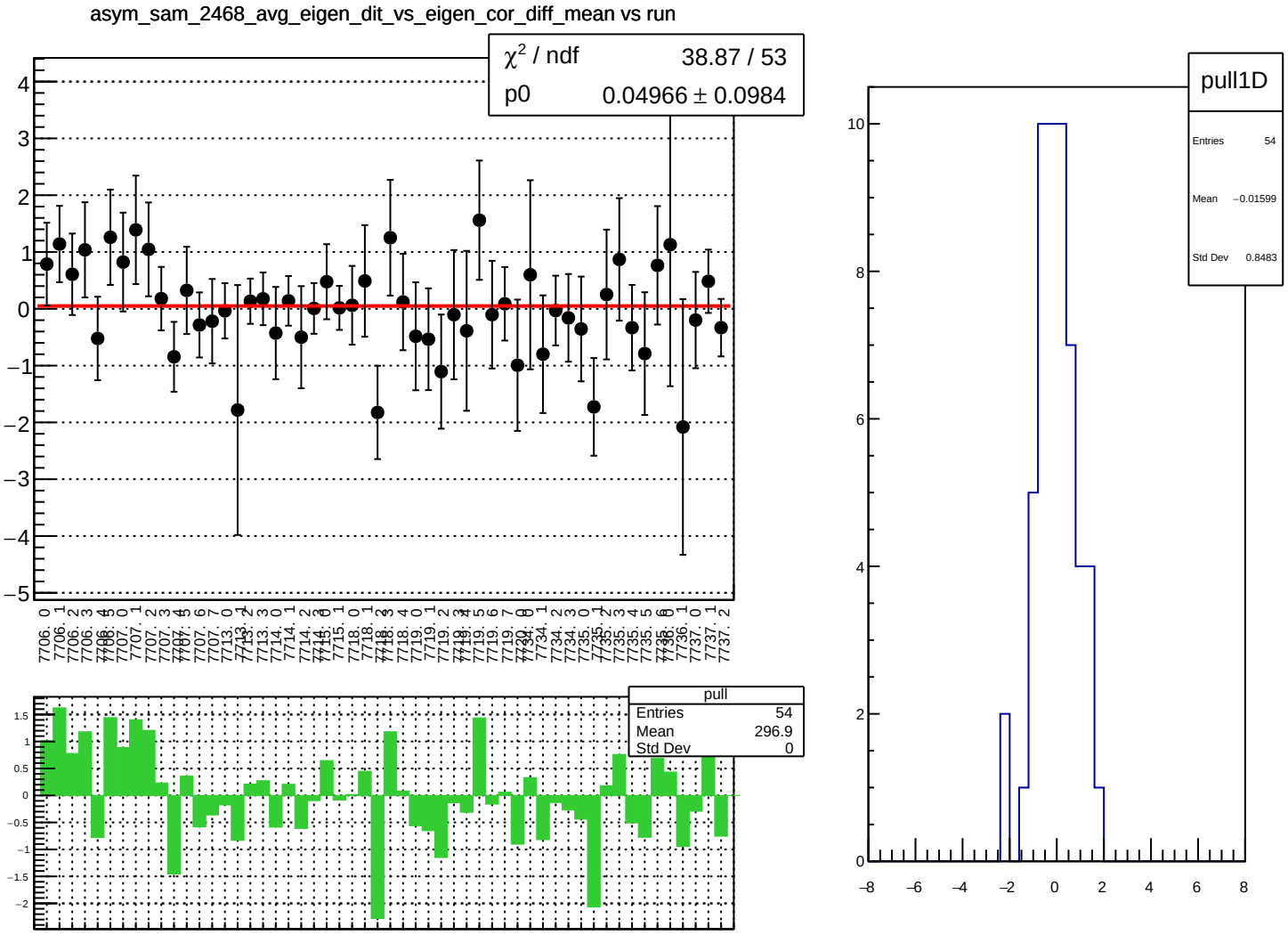

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 44.46 / 53
p0 −1.502e−06 ± 2.963e−06
pull
Entries 54
Mean 315.9
Std Dev 0

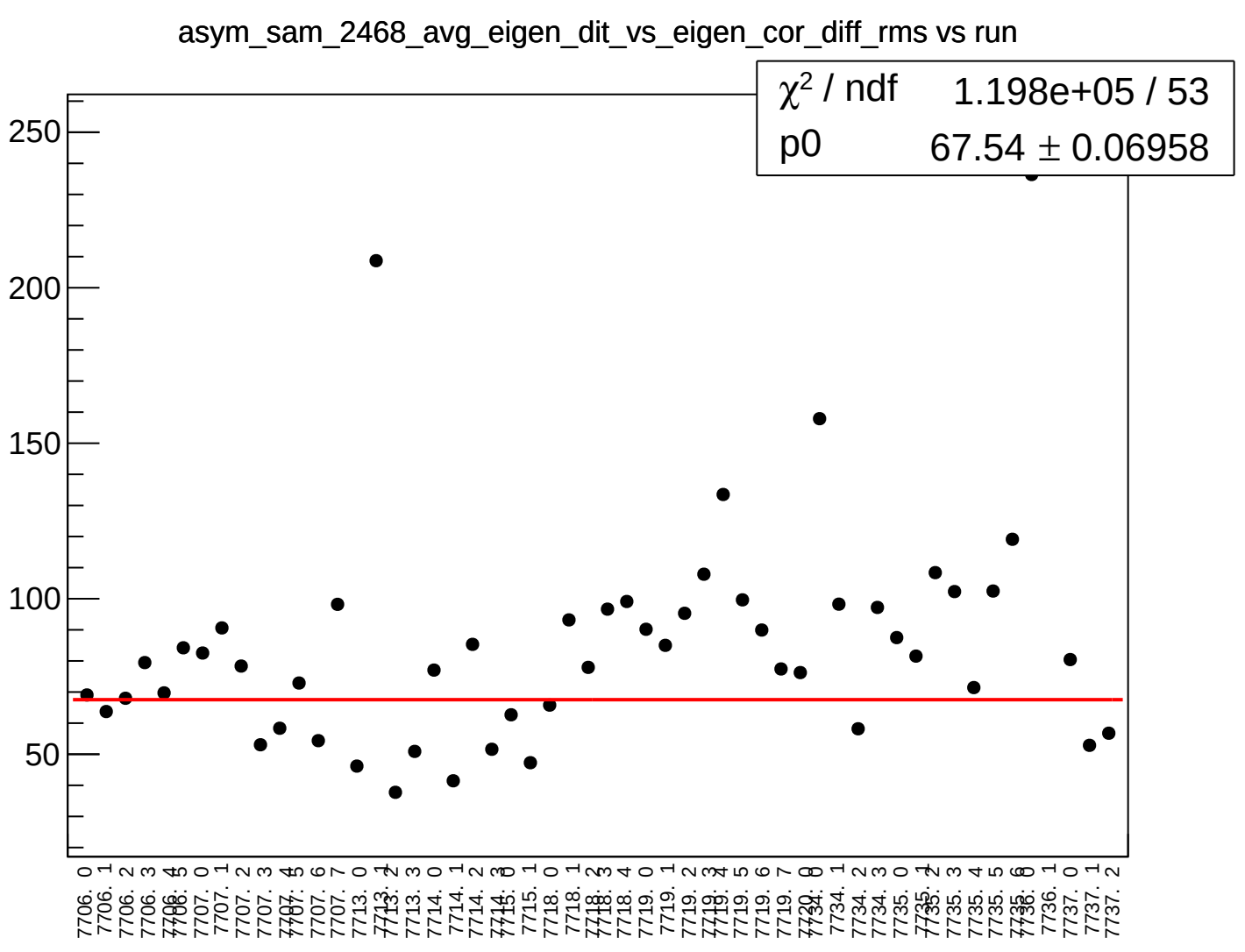

pull1D
Entries 54
Mean 0.006931
Std Dev 0.9073

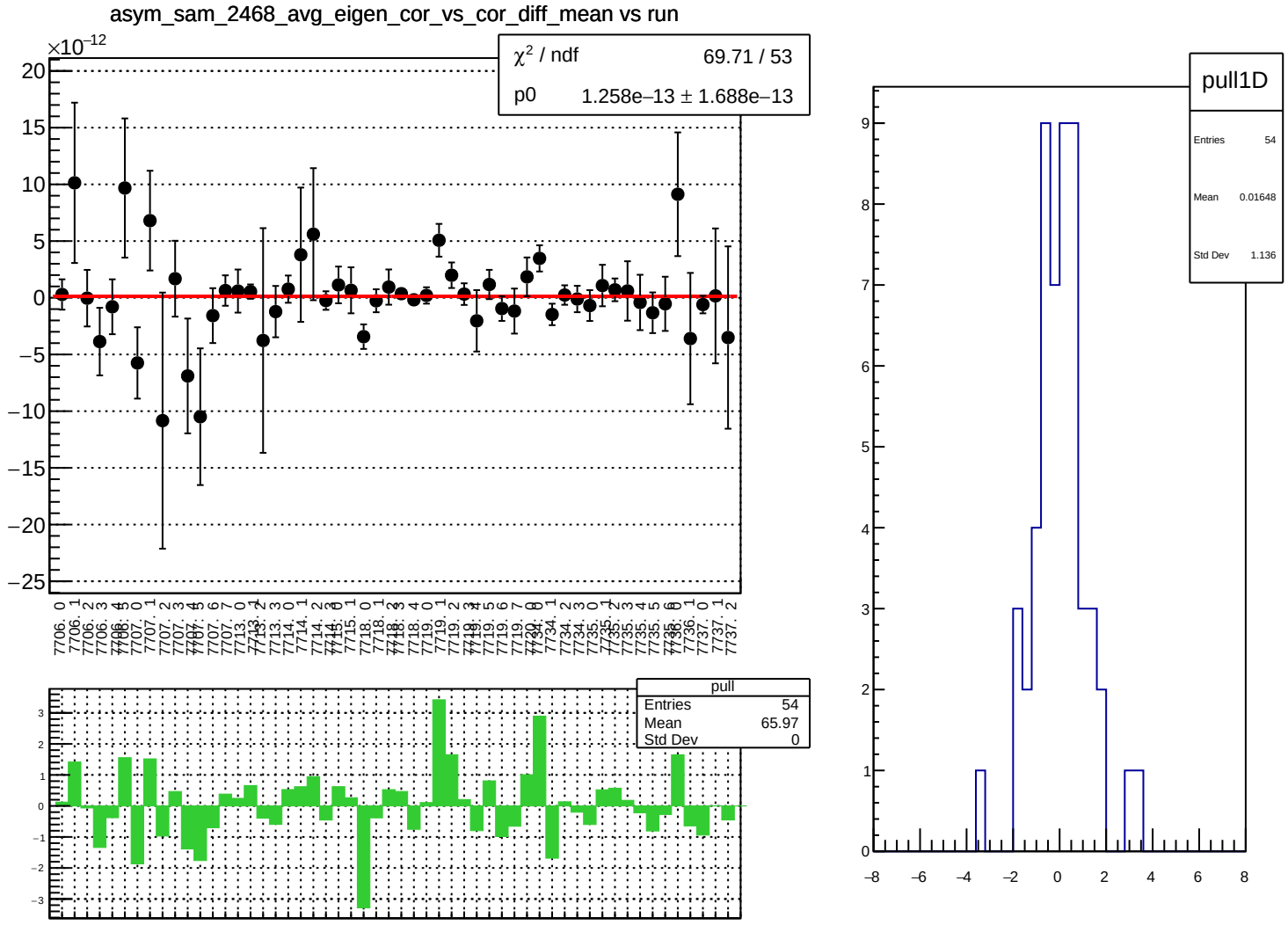

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.329e+05 / 53
p0 0.001907 ± 2.095e−06
0.006
0.005
0.004
0.003
0.002
0.001

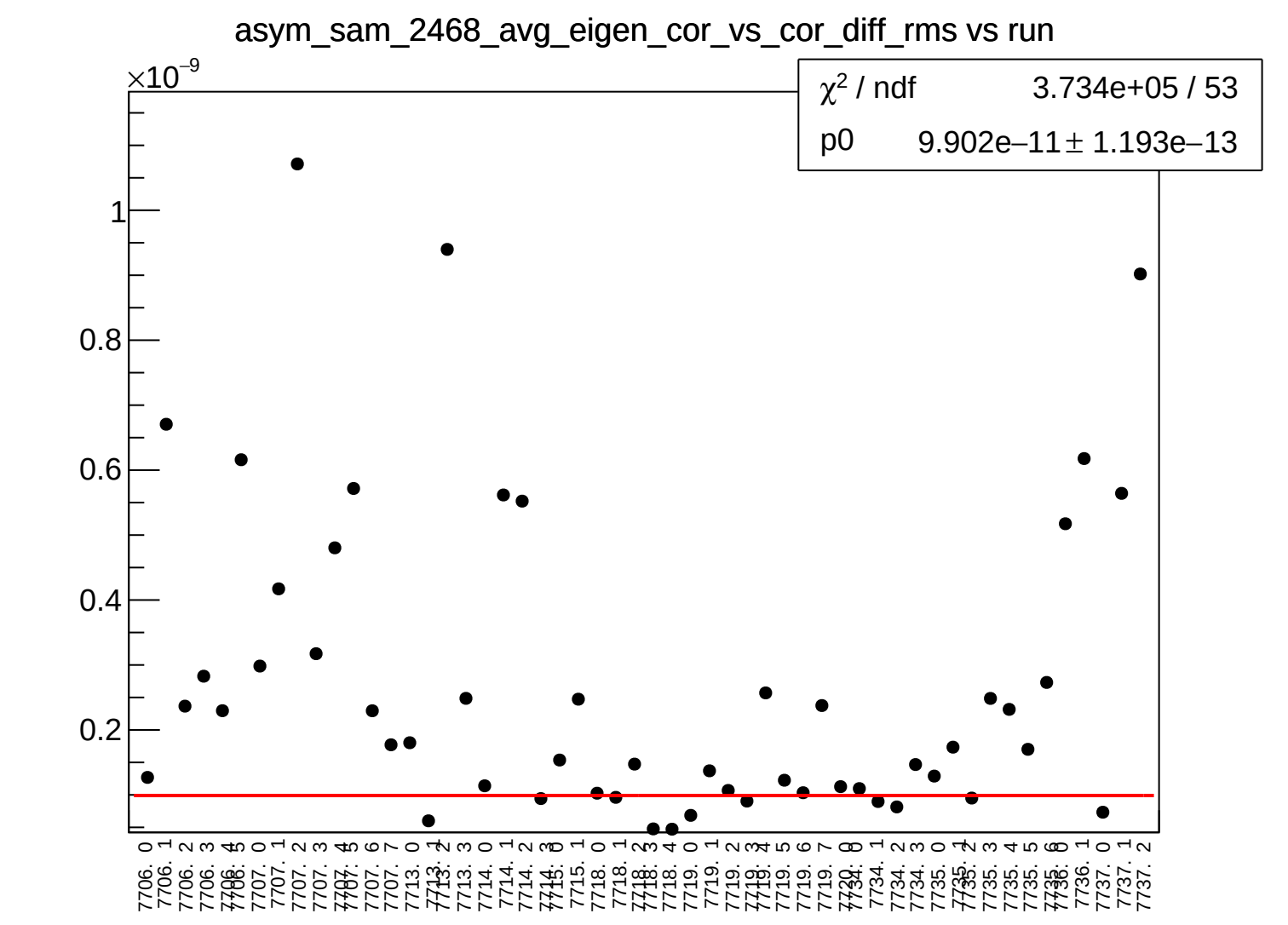

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.87 / 53
p0 0.04966 ± 0.0984
pull
Entries 54
Mean 296.9
Std Dev 0
pull1D
Entries 54
Mean −0.01599
Std Dev 0.8483

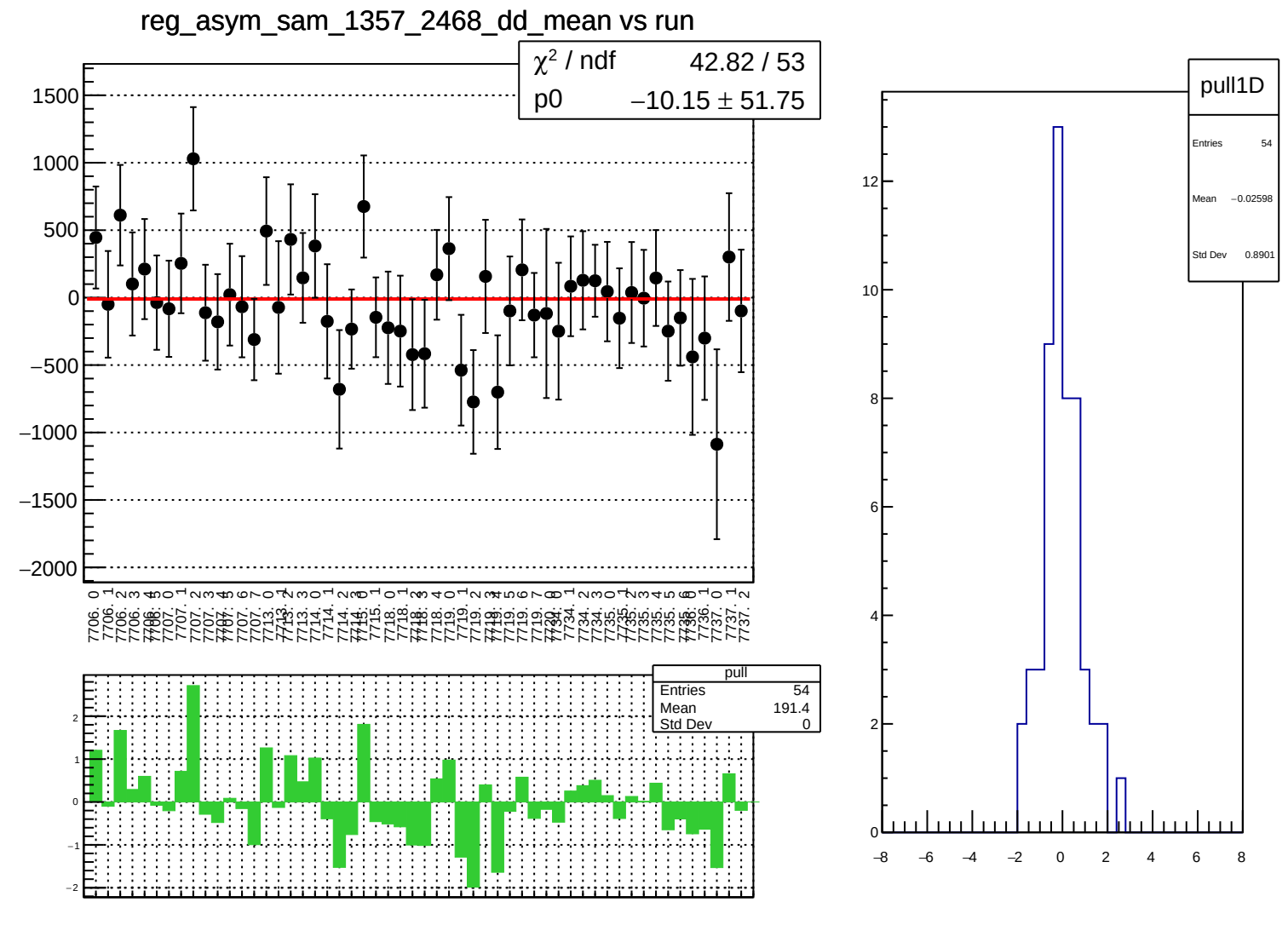

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 53
p0 67.54 ± 0.06958
250
200
150
100
50

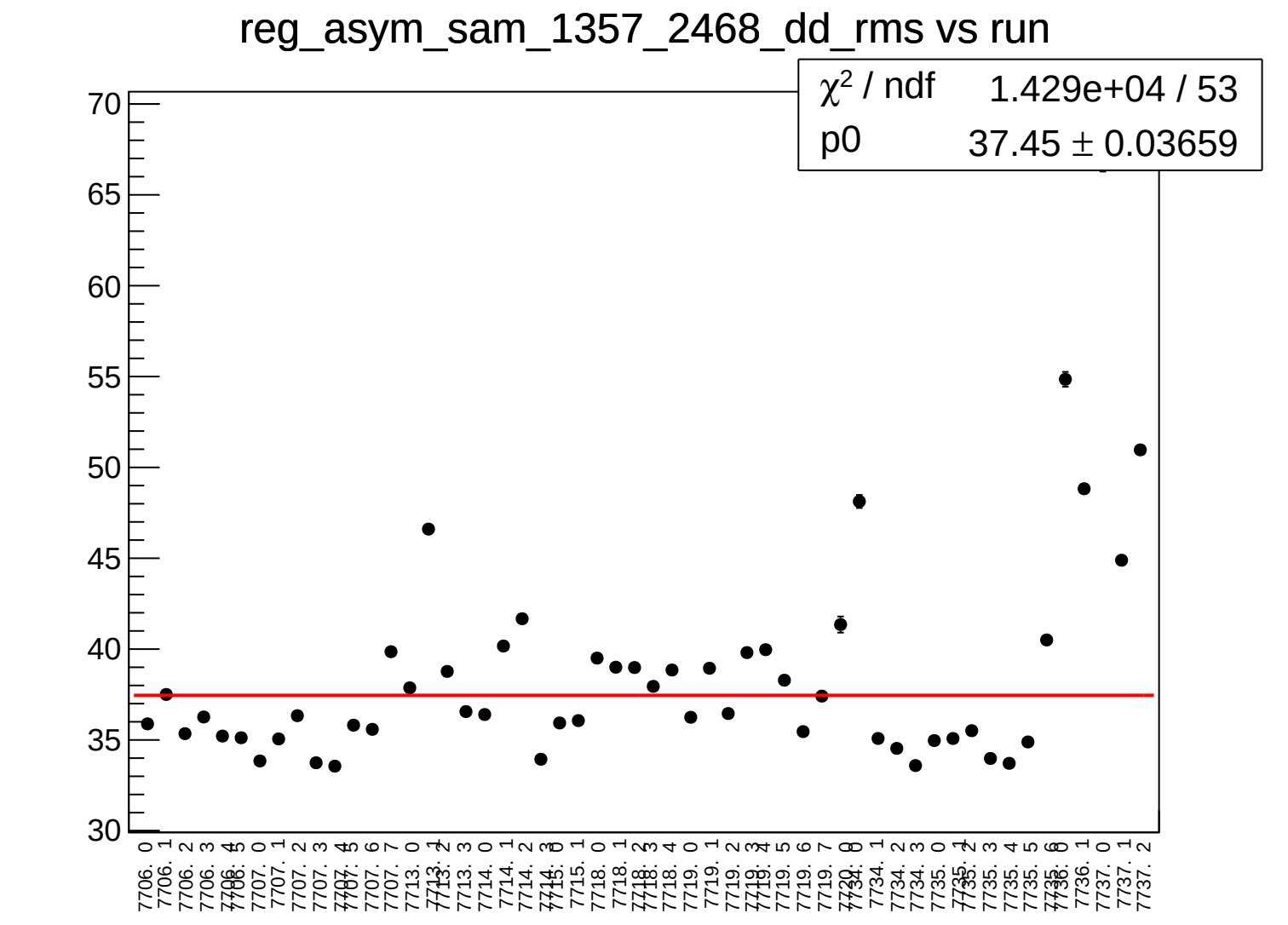

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.87 / 53
p0 0.04966 ± 0.0984
pull
Entries 54
Mean 296.9
Std Dev 0
pull1D
Entries 54
Mean −0.01599
Std Dev 0.8483

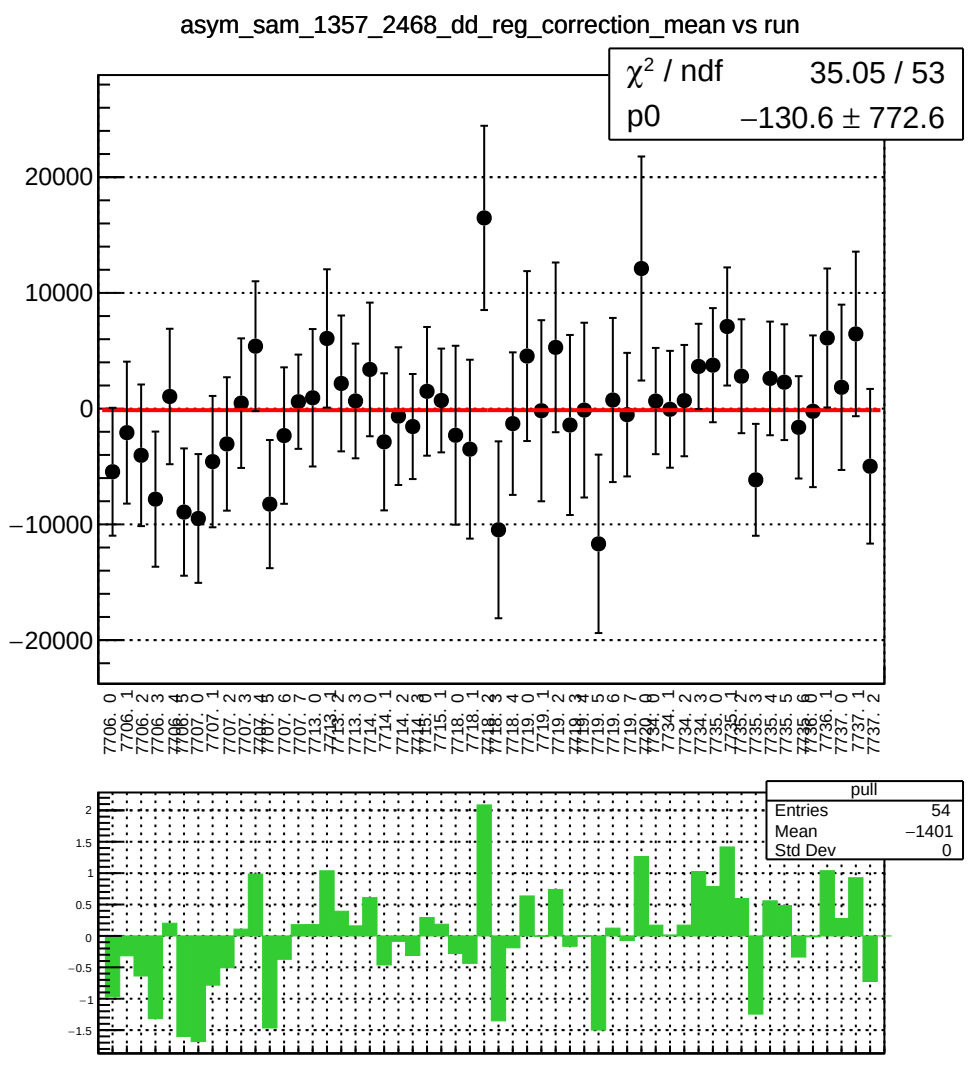

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 53
p0 67.54 ± 0.06958
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

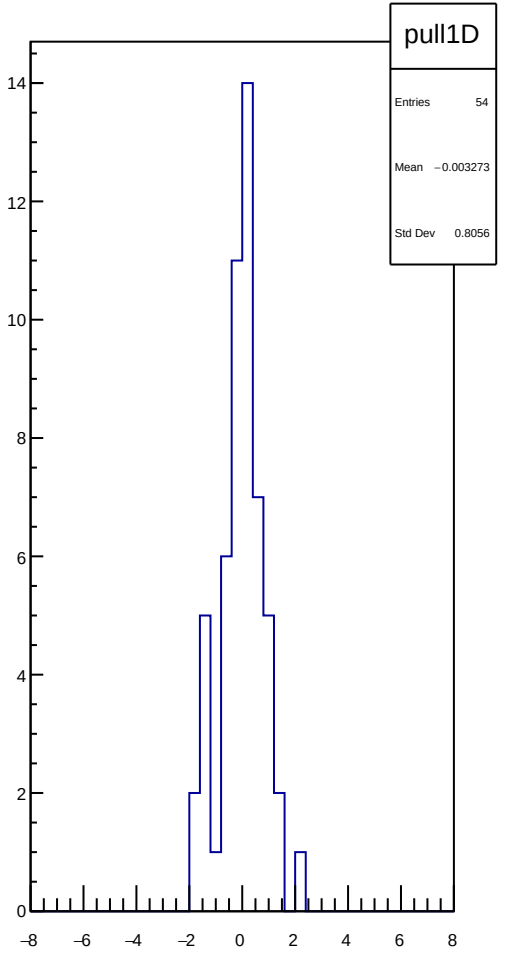

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.71 / 53
p0 1.258e−13 ± 1.688e−13
pull
Entries 54
Mean 65.97
Std Dev 0
pull1D
Entries 54
Mean 0.01648
Std Dev 1.136

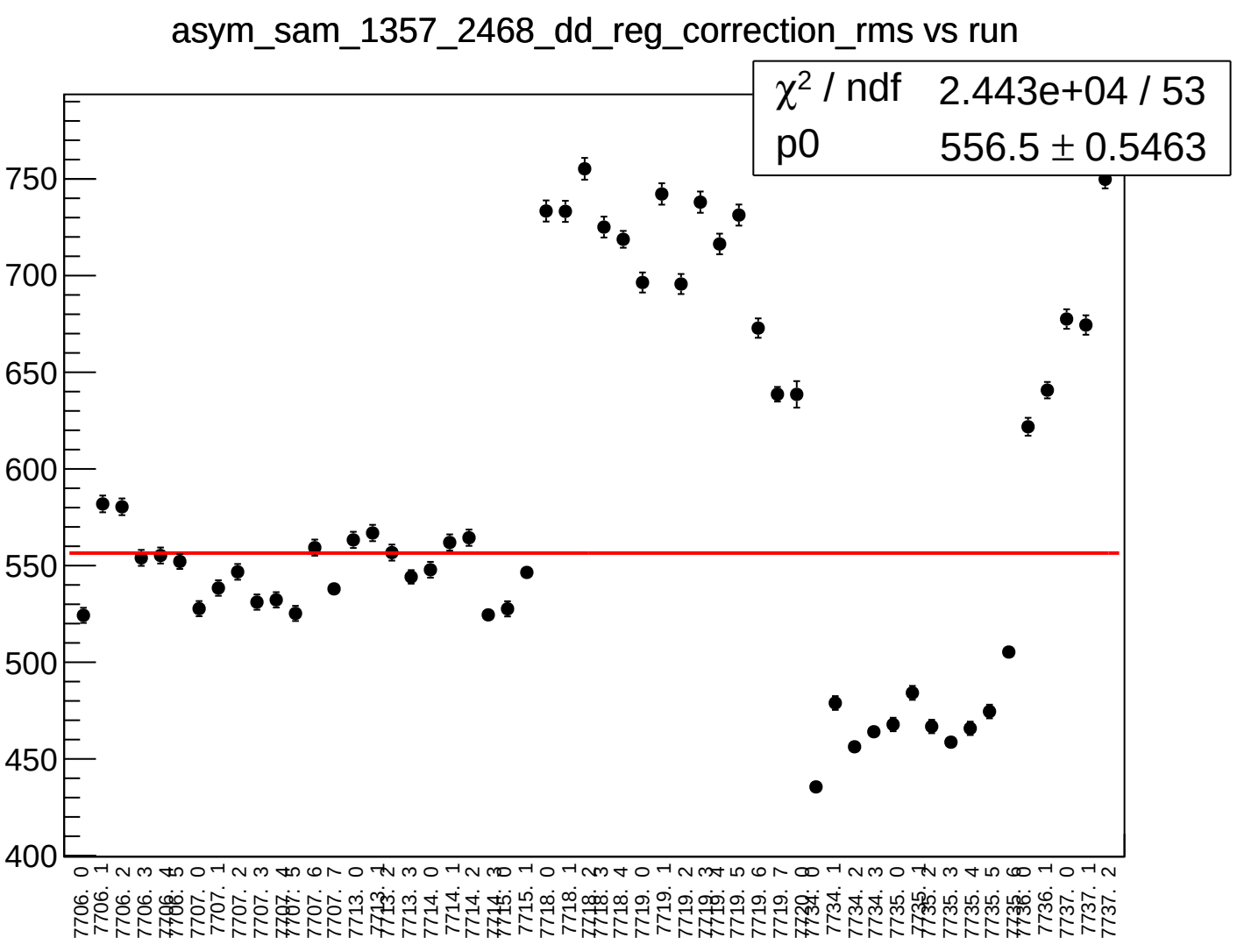

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.734e+05 / 53
p0 9.902e−11 ± 1.193e−13
1
0.8
0.6
0.4
0.2

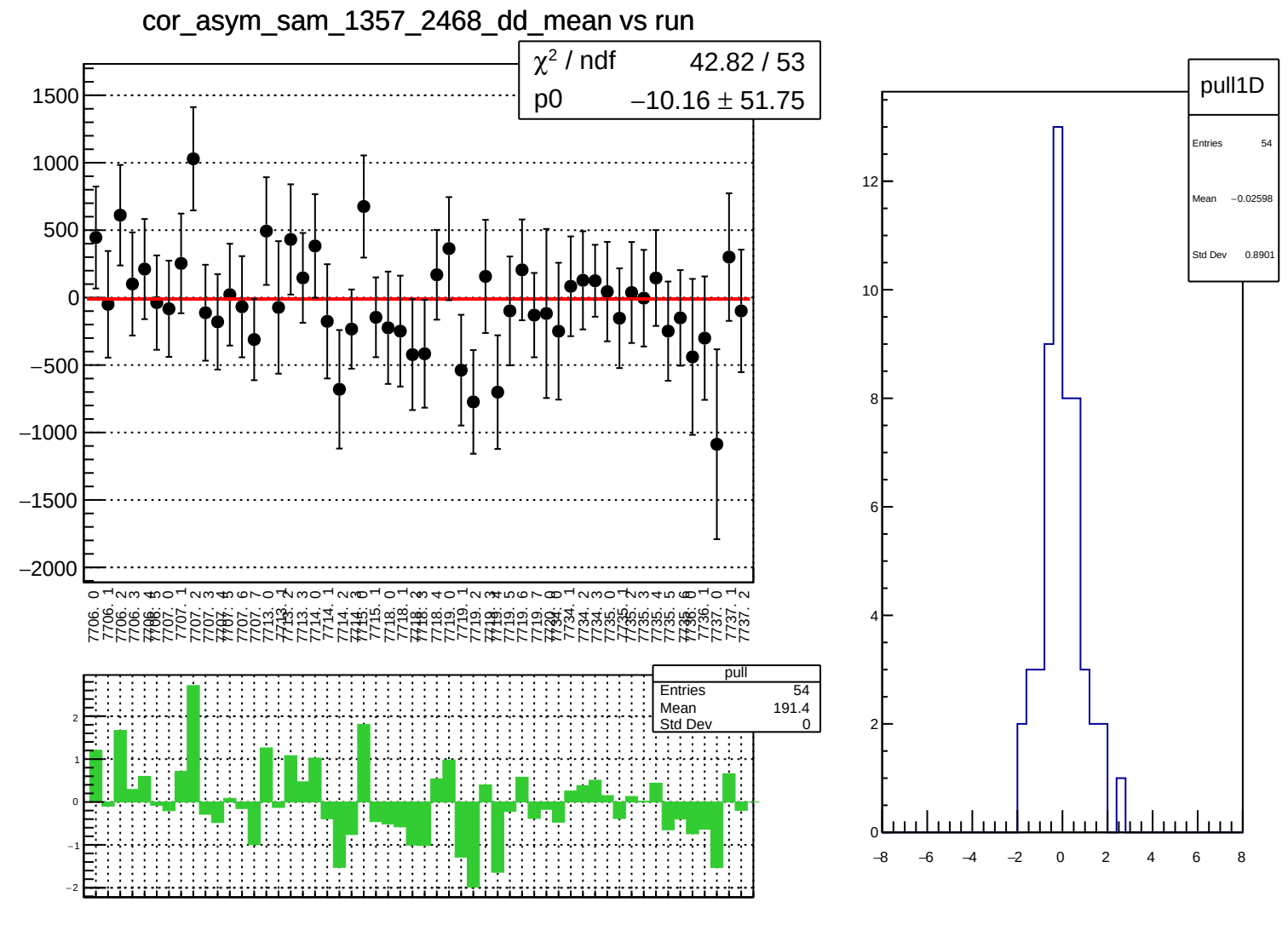

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 42.82 / 53
p0 −10.15 ± 51.75
pull
Entries 54
Mean 191.4
Std Dev 0
pull1D
Entries 54
Mean −0.02598
Std Dev 0.8901

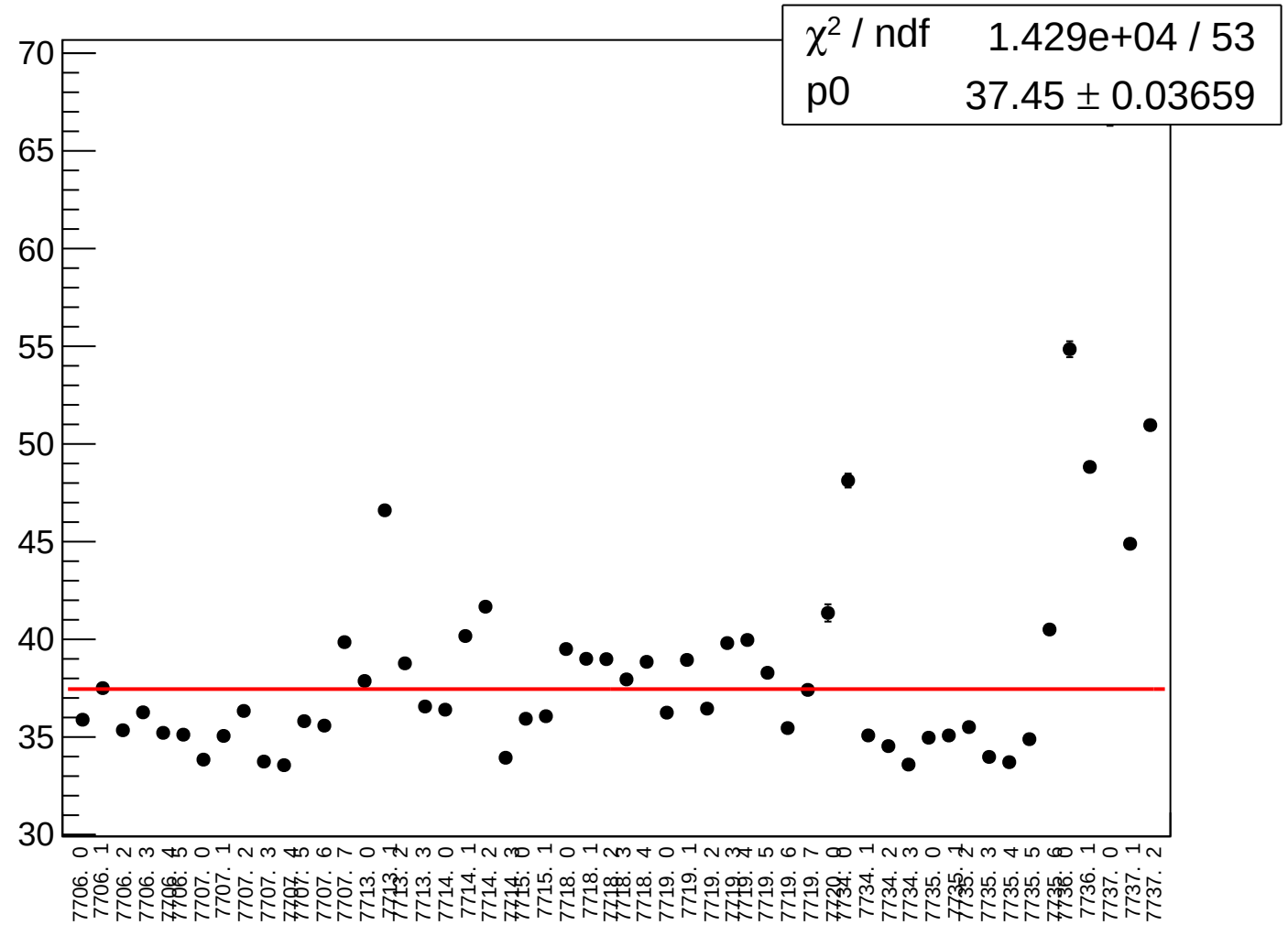

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.429e+04 / 53
p0 37.45 ± 0.03659
70
65
60
55
50
45
40
35
30

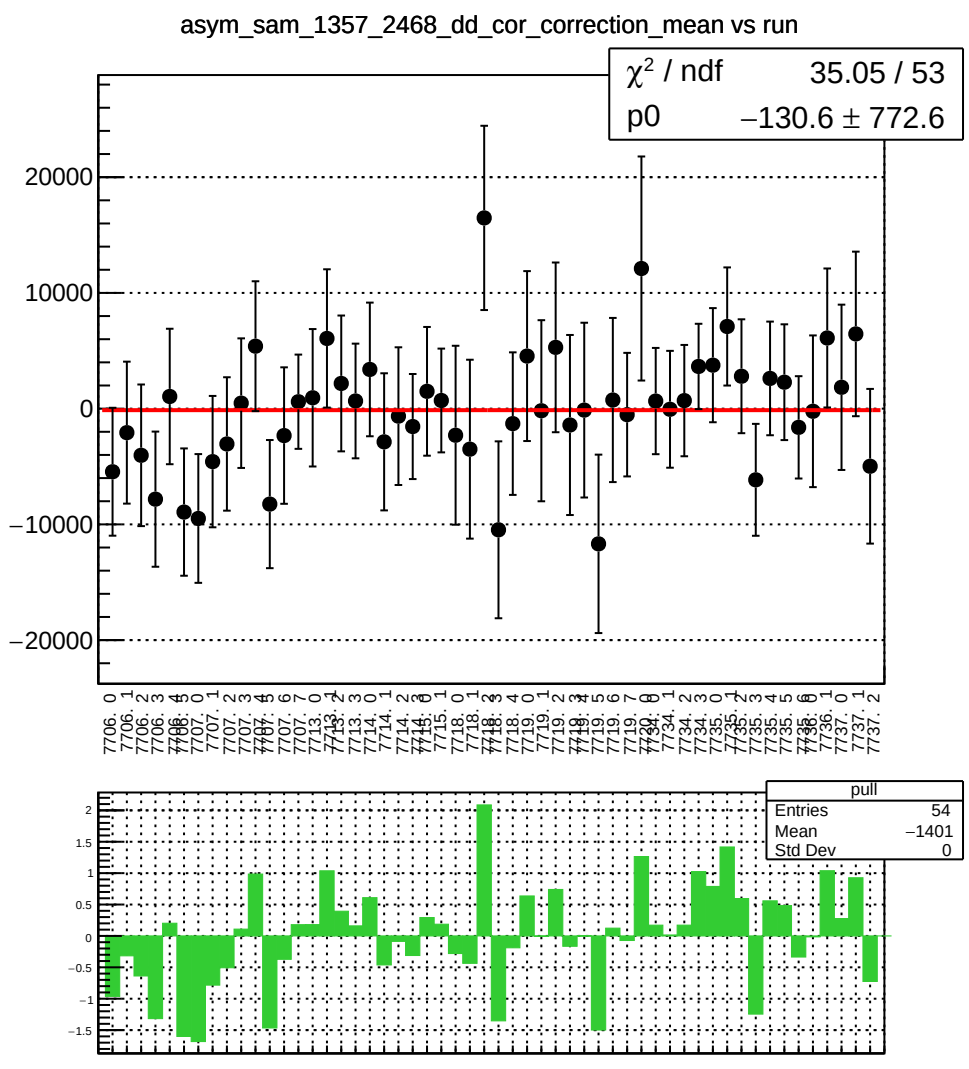

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 35.05 / 53
p0 −130.6 ± 772.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −1401
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

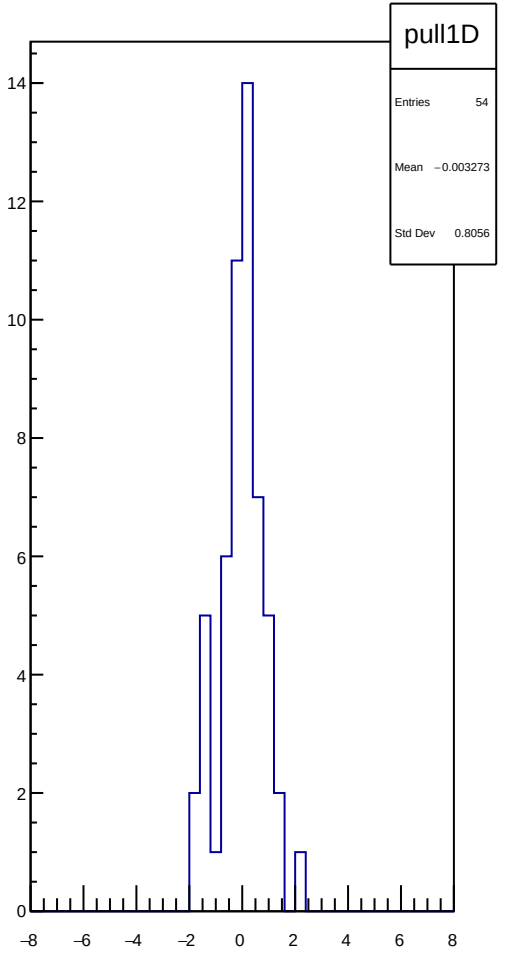

pull1D
Entries 54
Mean −0.003273
Std Dev 0.8056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

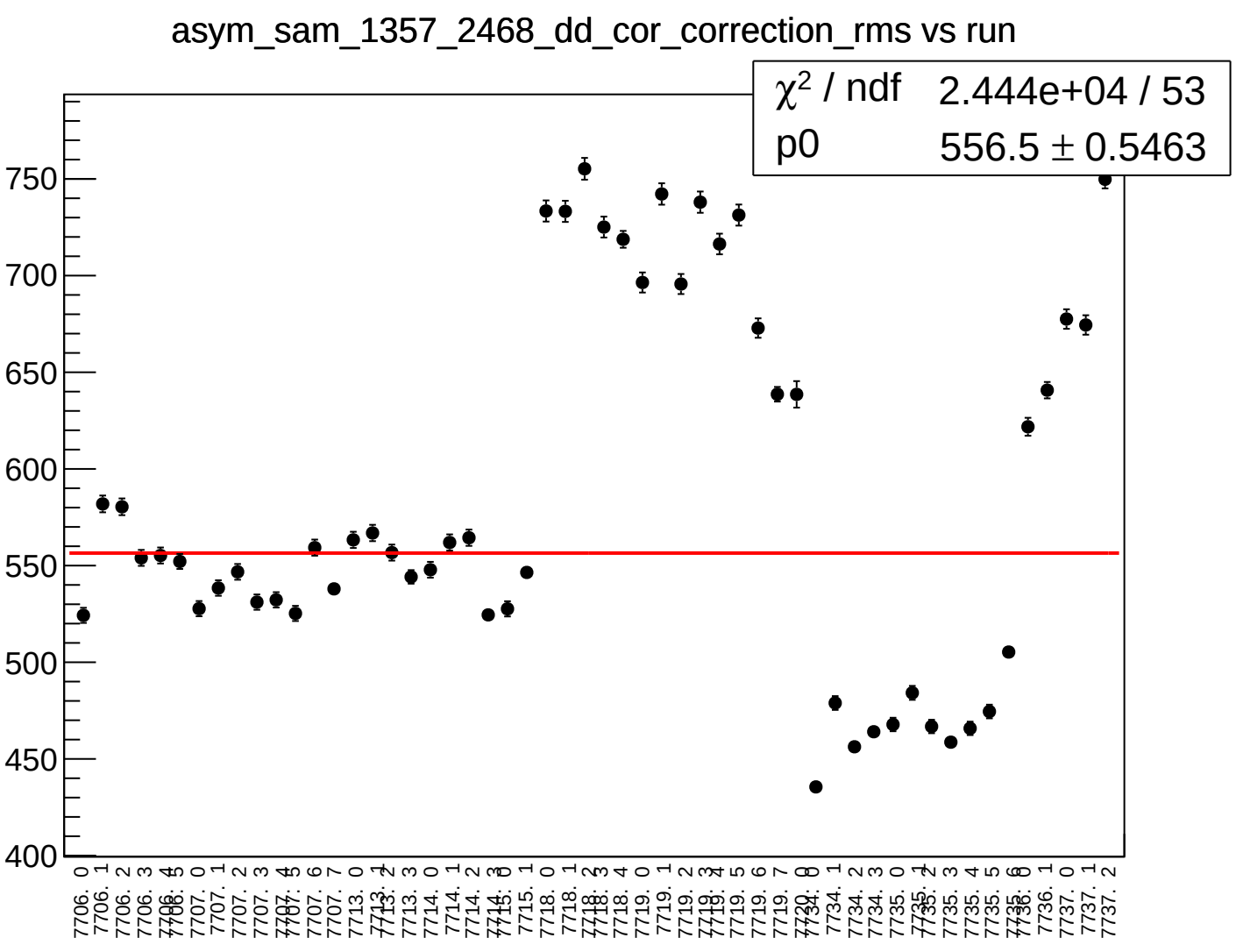

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 2.443e+04 / 53
p0 556.5 ± 0.5463
750
700
650
600
550
500
450
400

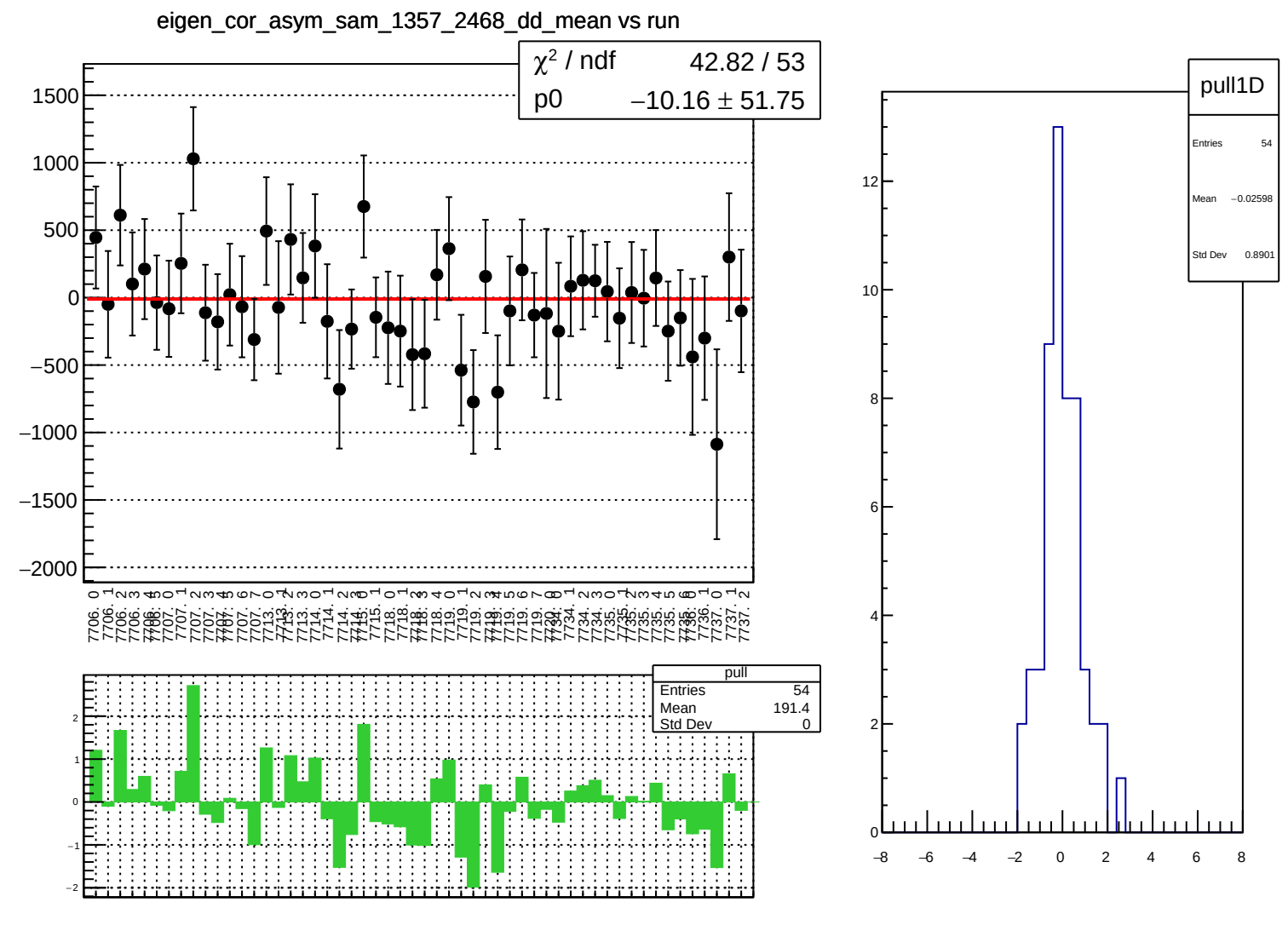

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 42.82 / 53
p0 −10.16 ± 51.75
pull
Entries 54
Mean 191.4
Std Dev 0
pull1D
Entries 54
Mean −0.02598
Std Dev 0.8901

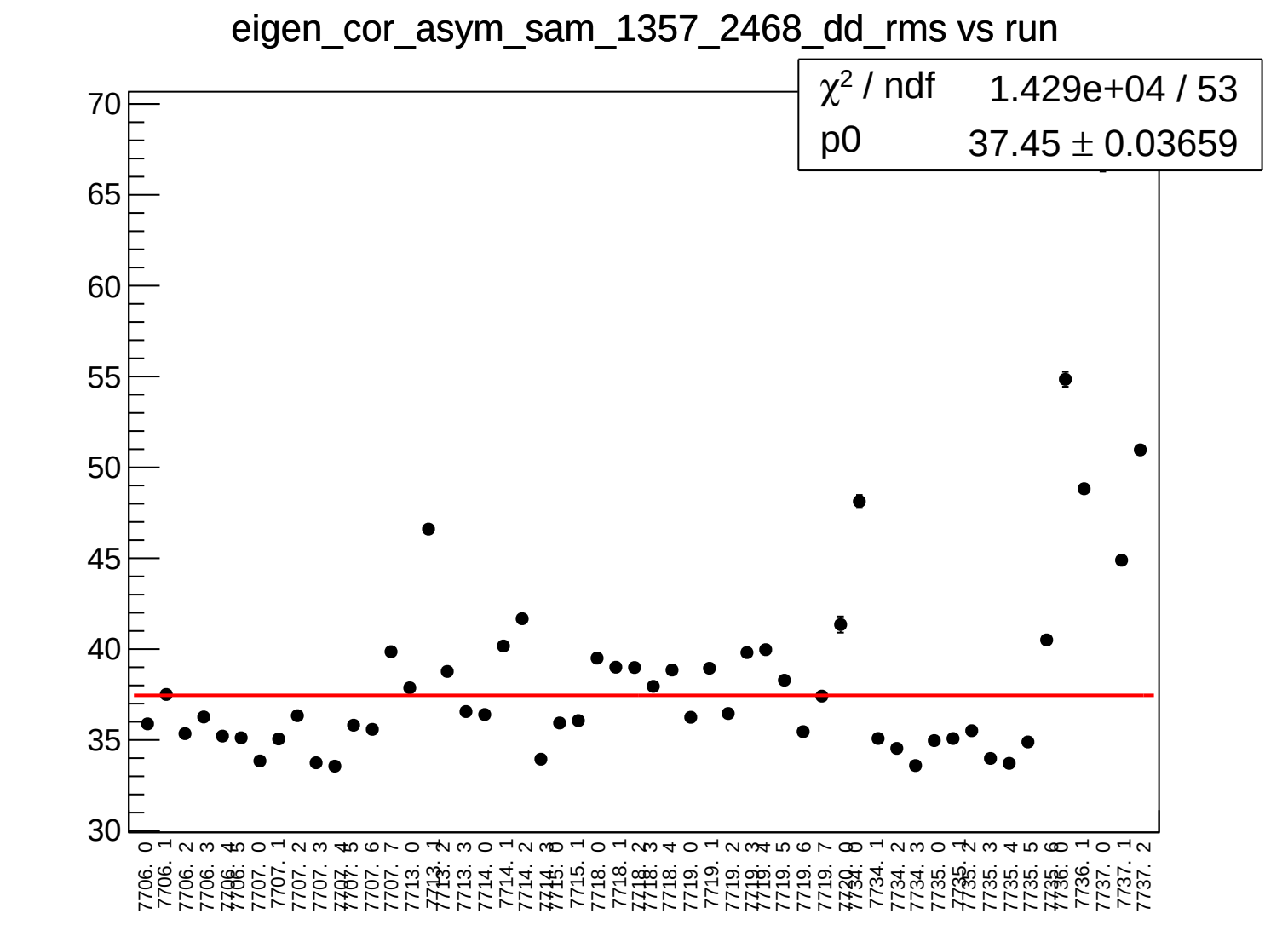

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.429e+04 / 53
p0 37.45 ± 0.03659
70
65
60
55
50
45
40
35
30
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

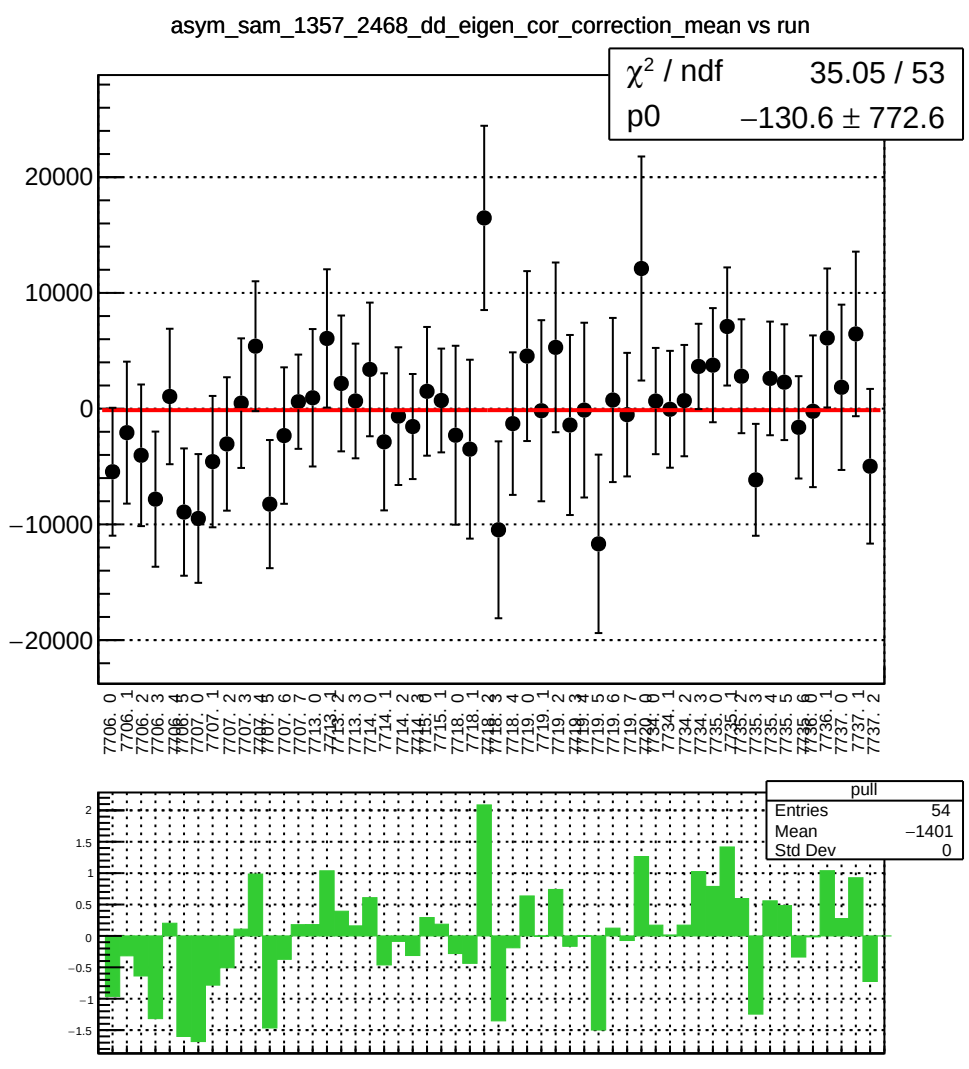

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 35.05 / 53
p0 −130.6 ± 772.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −1401
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

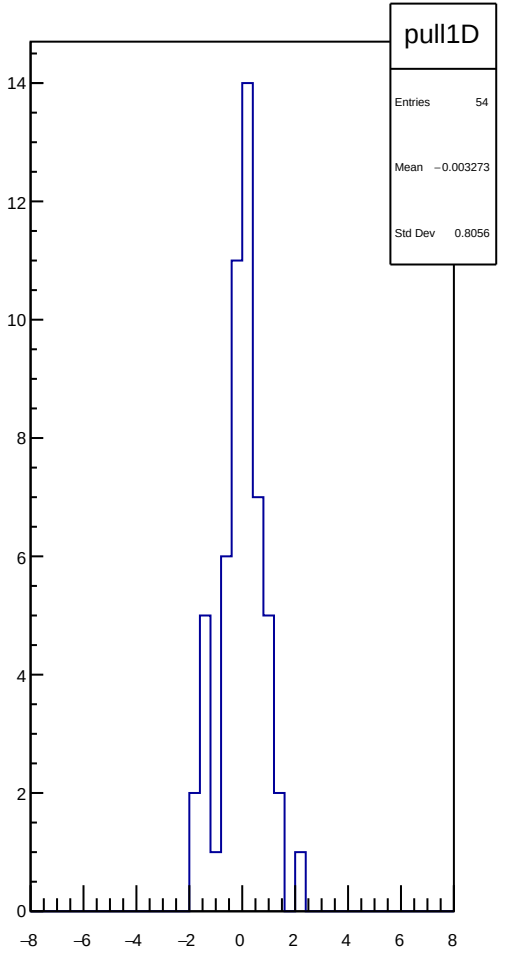

pull1D
Entries 54
Mean −0.003273
Std Dev 0.8056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

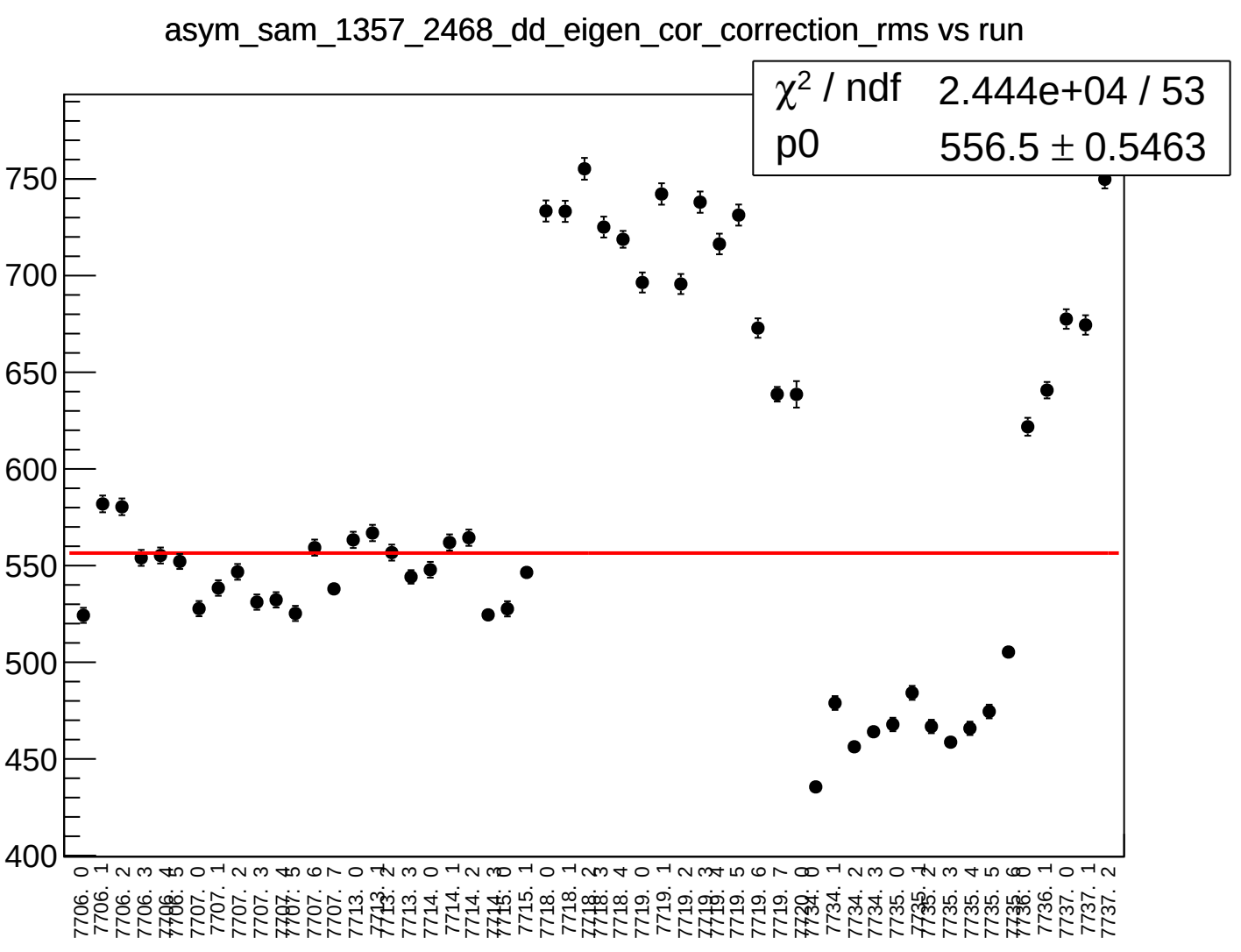

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 2.444e+04 / 53
p0 556.5 ± 0.5463
750
700
650
600
550
500
450
400

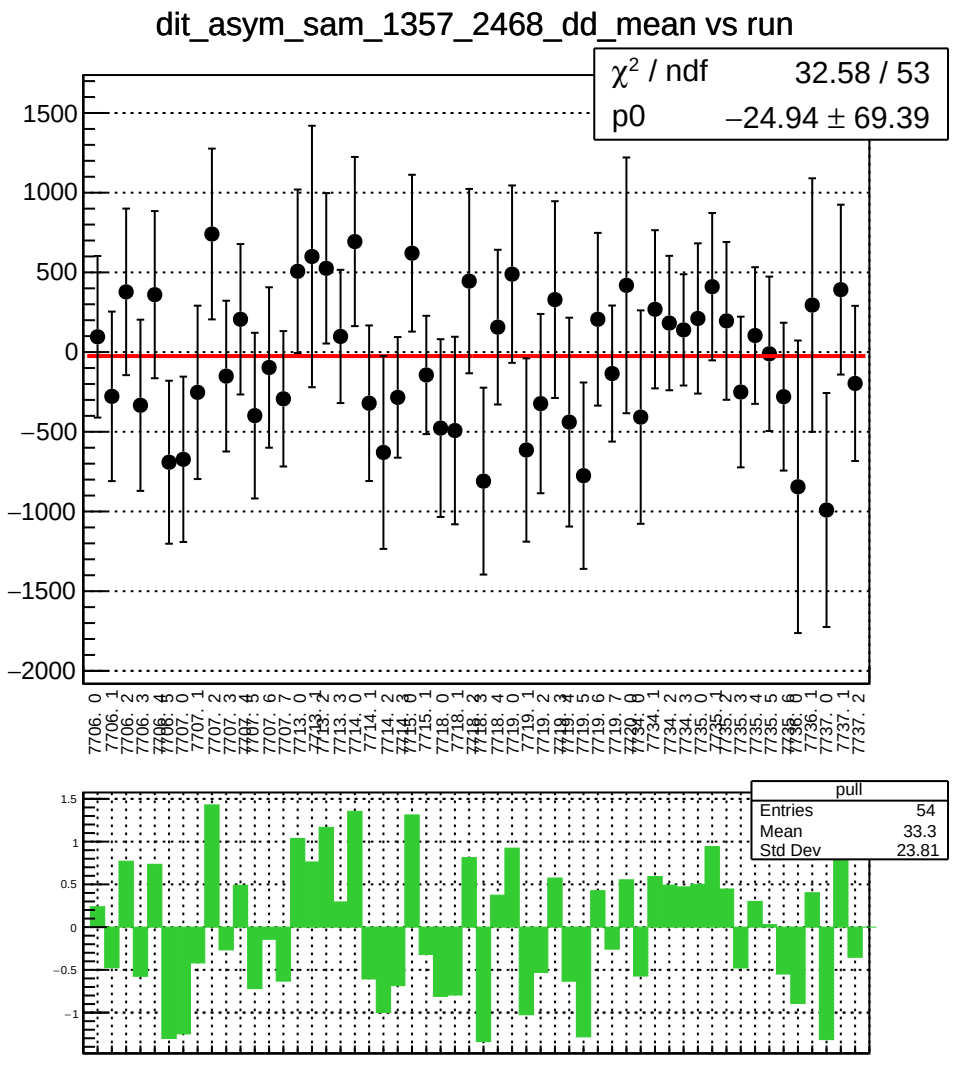

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 42.82 / 53
p0 −10.16 ± 51.75
pull
Entries 54
Mean 191.4
Std Dev 0
pull1D
Entries 54
Mean −0.02598
Std Dev 0.8901

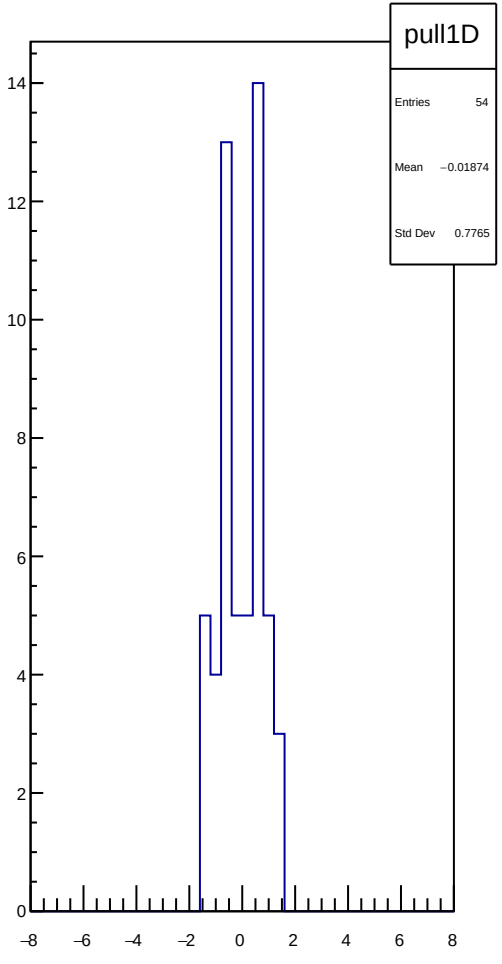

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.429e+04 / 53
p0 37.45 ± 0.03659
70
65
60
55
50
45
40
35
30
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

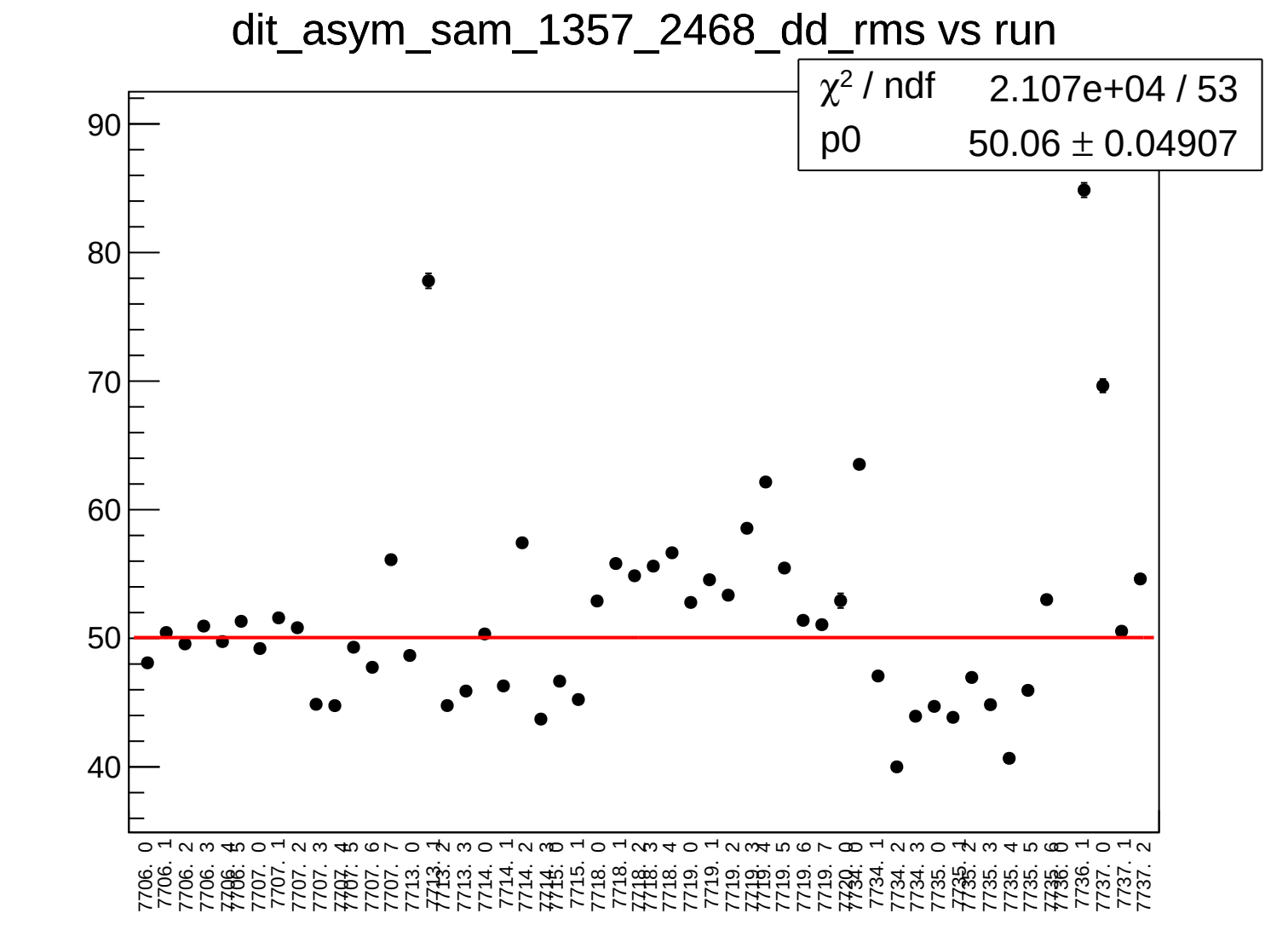

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.05 / 53
p0 −130.6 ± 772.6
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −1401
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

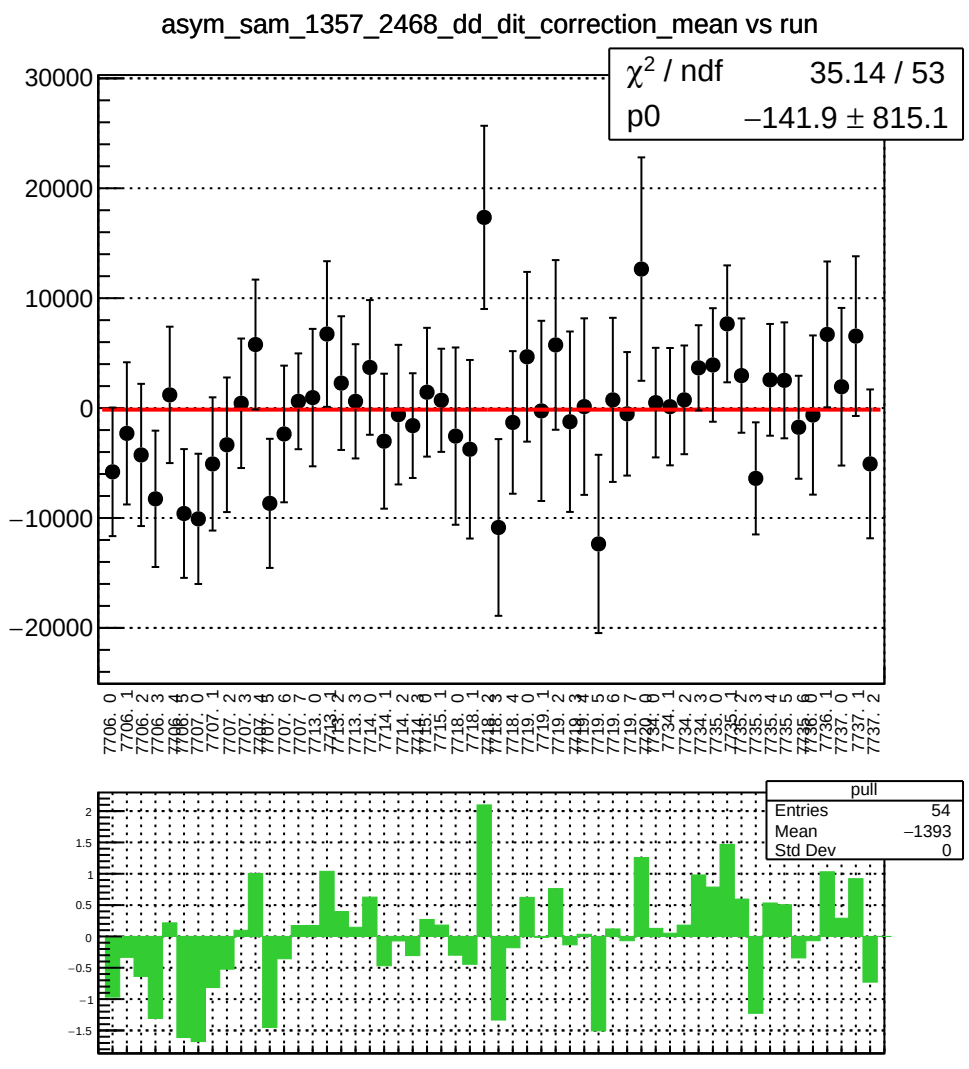

pull1D
Entries 54
Mean −0.003273
Std Dev 0.8056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

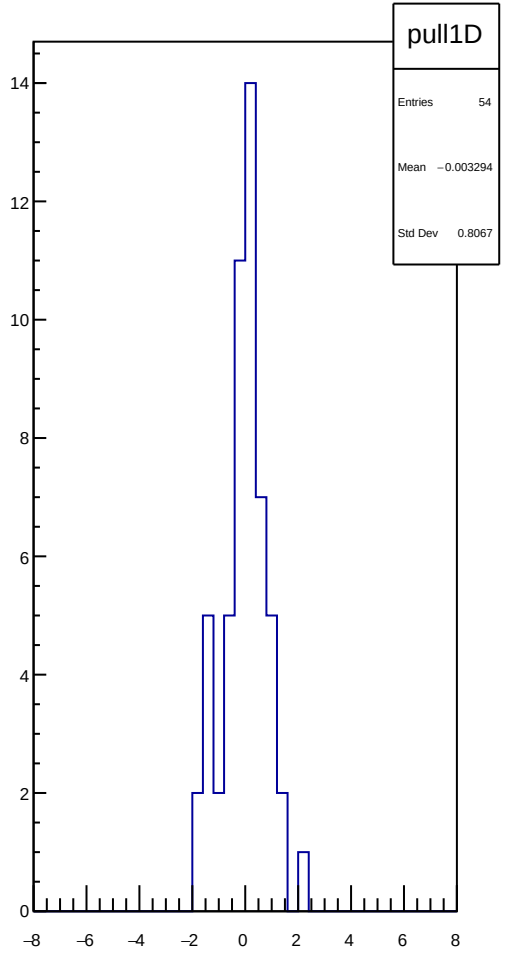

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.444e+04 / 53
p0 556.5 ± 0.5463
750
700
650
600
550
500
450
400

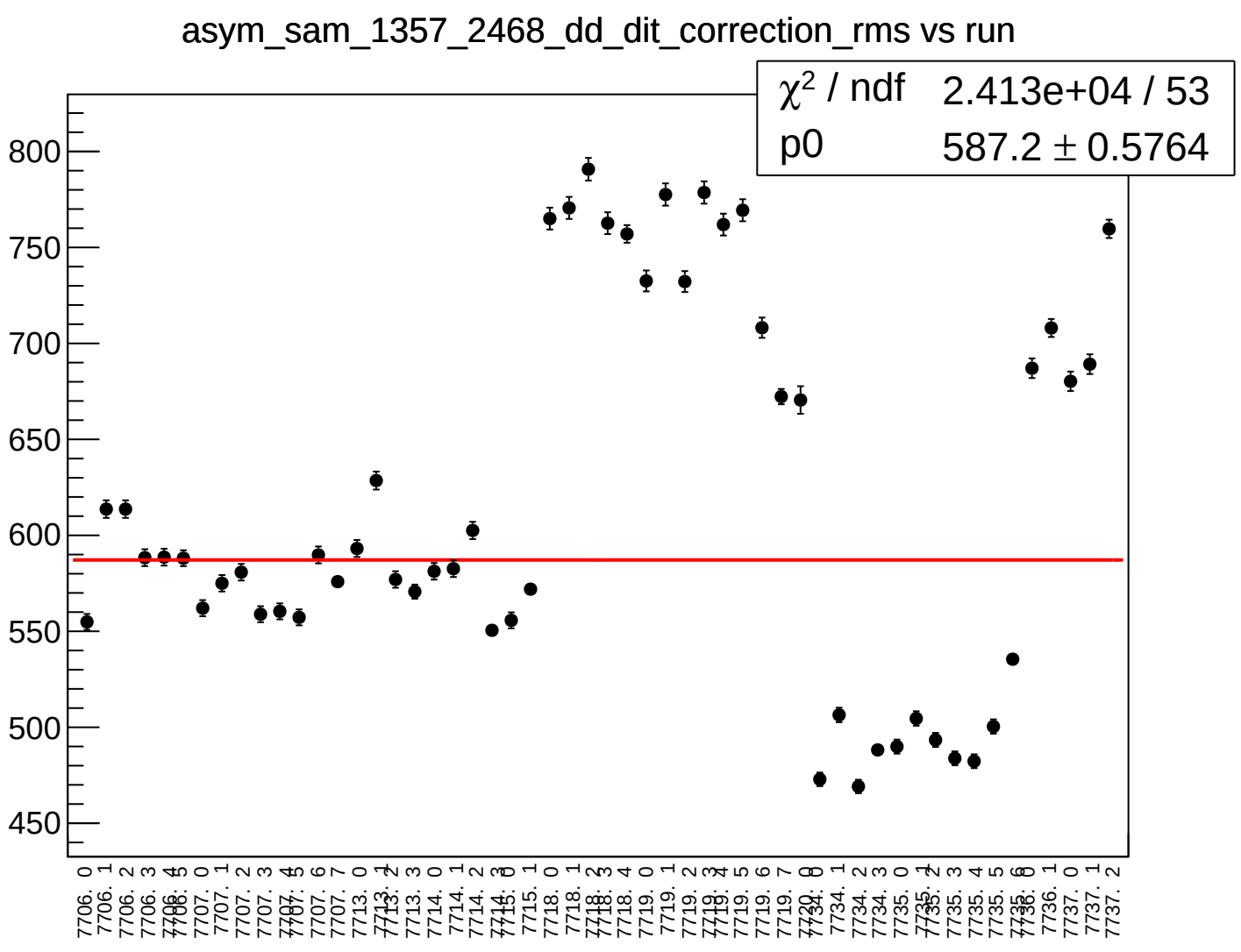

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 32.58 / 53
p0 −24.94 ± 69.39
pull
Entries 54
Mean 33.3
Std Dev 23.81

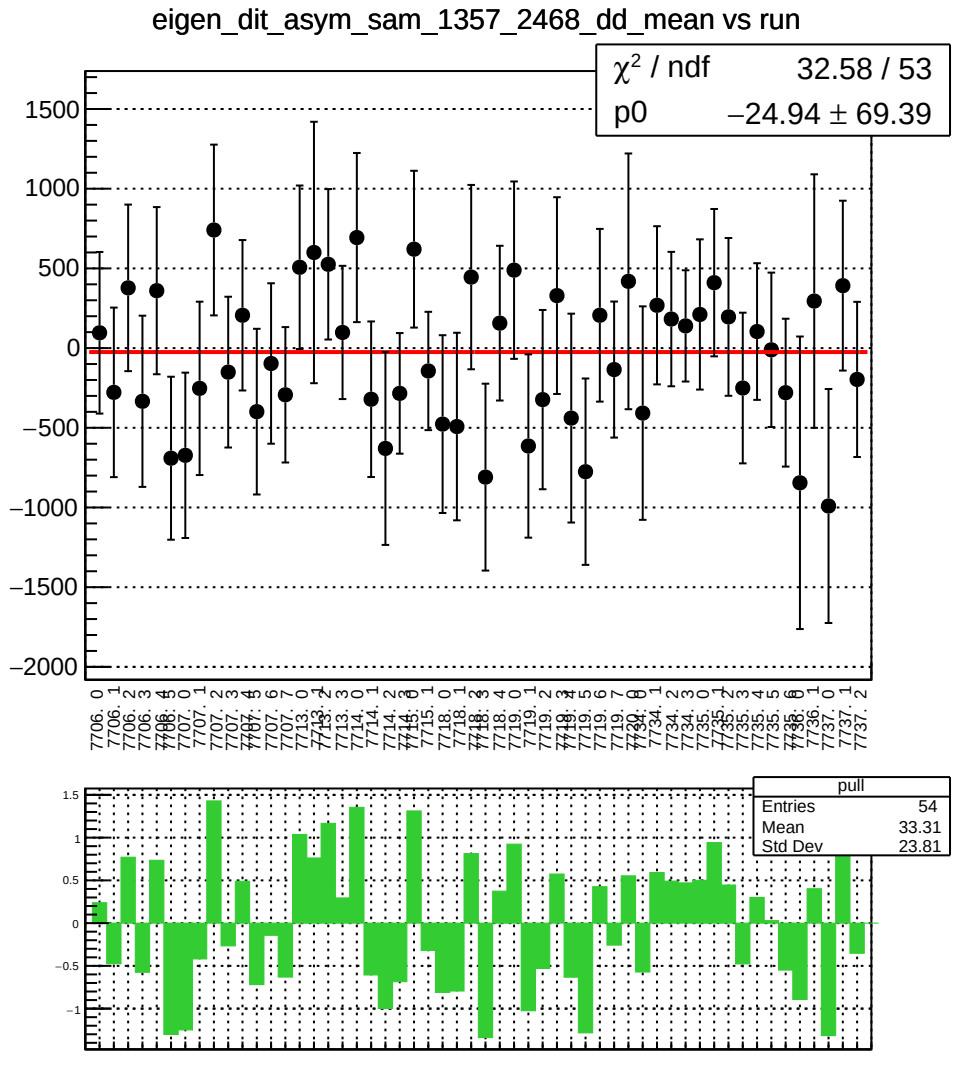

pull1D
Entries 54
Mean −0.01874
Std Dev 0.7765

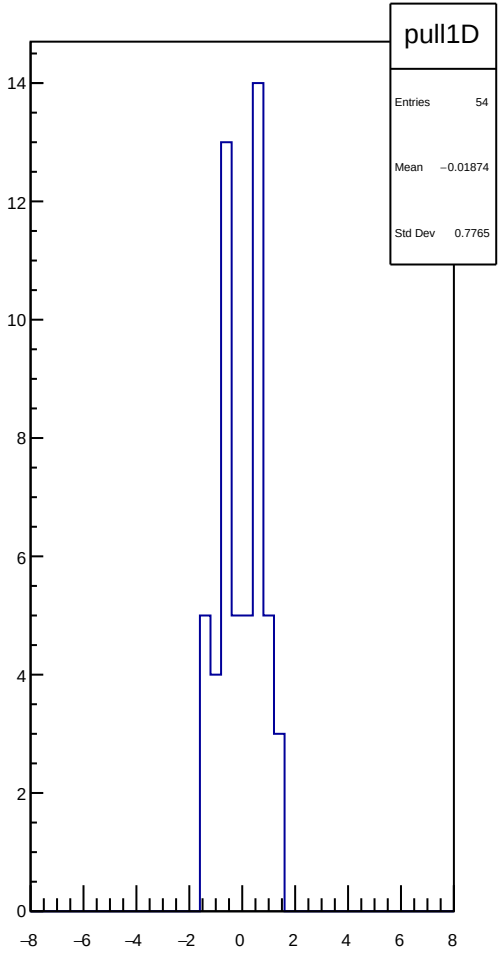

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.107e+04 / 53
p0 50.06 ± 0.04907
90
80
70
60
50
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

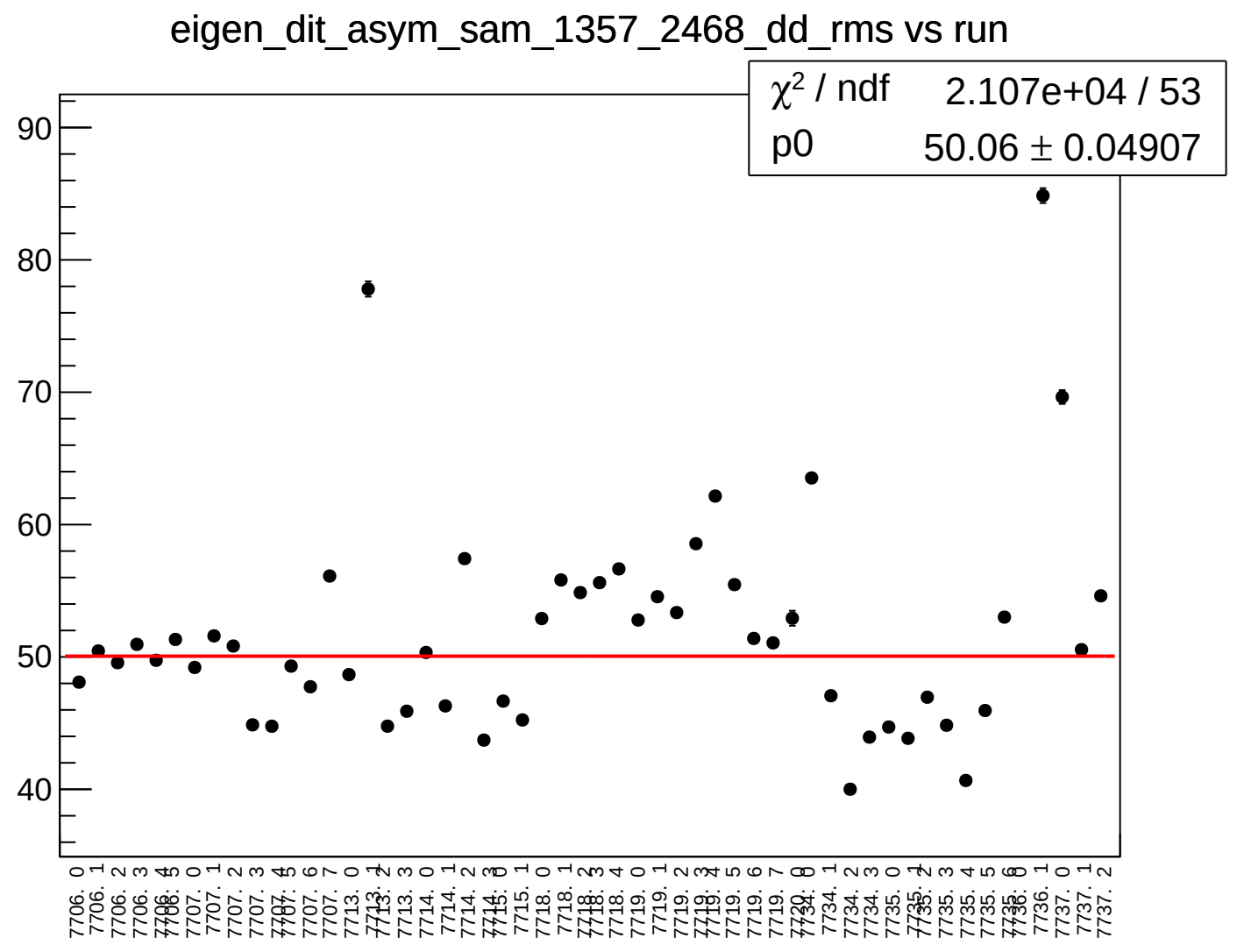

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 35.14 / 53
p0 −141.9 ± 815.1
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −1393
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

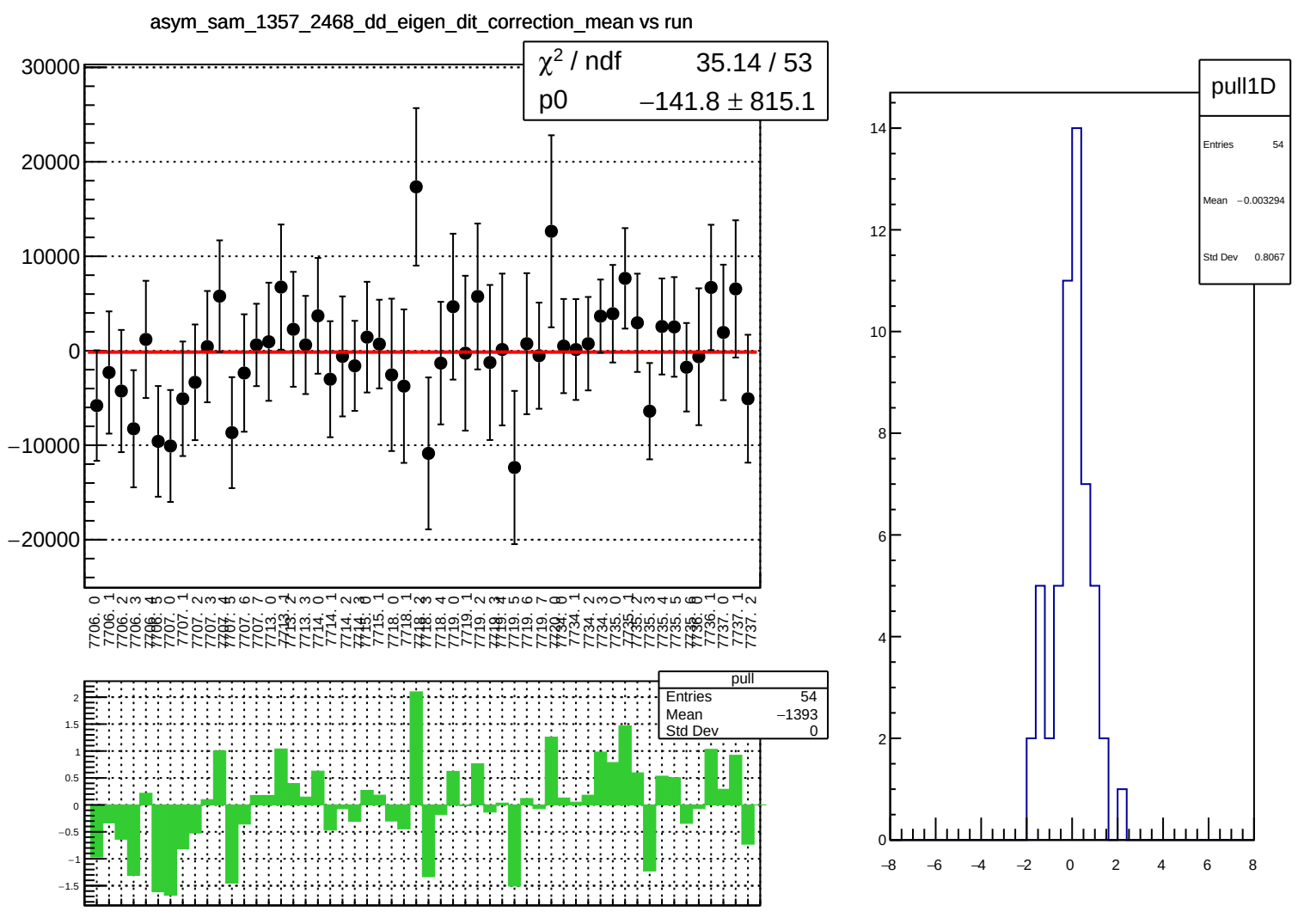

pull1D
Entries 54
Mean −0.003294
Std Dev 0.8067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

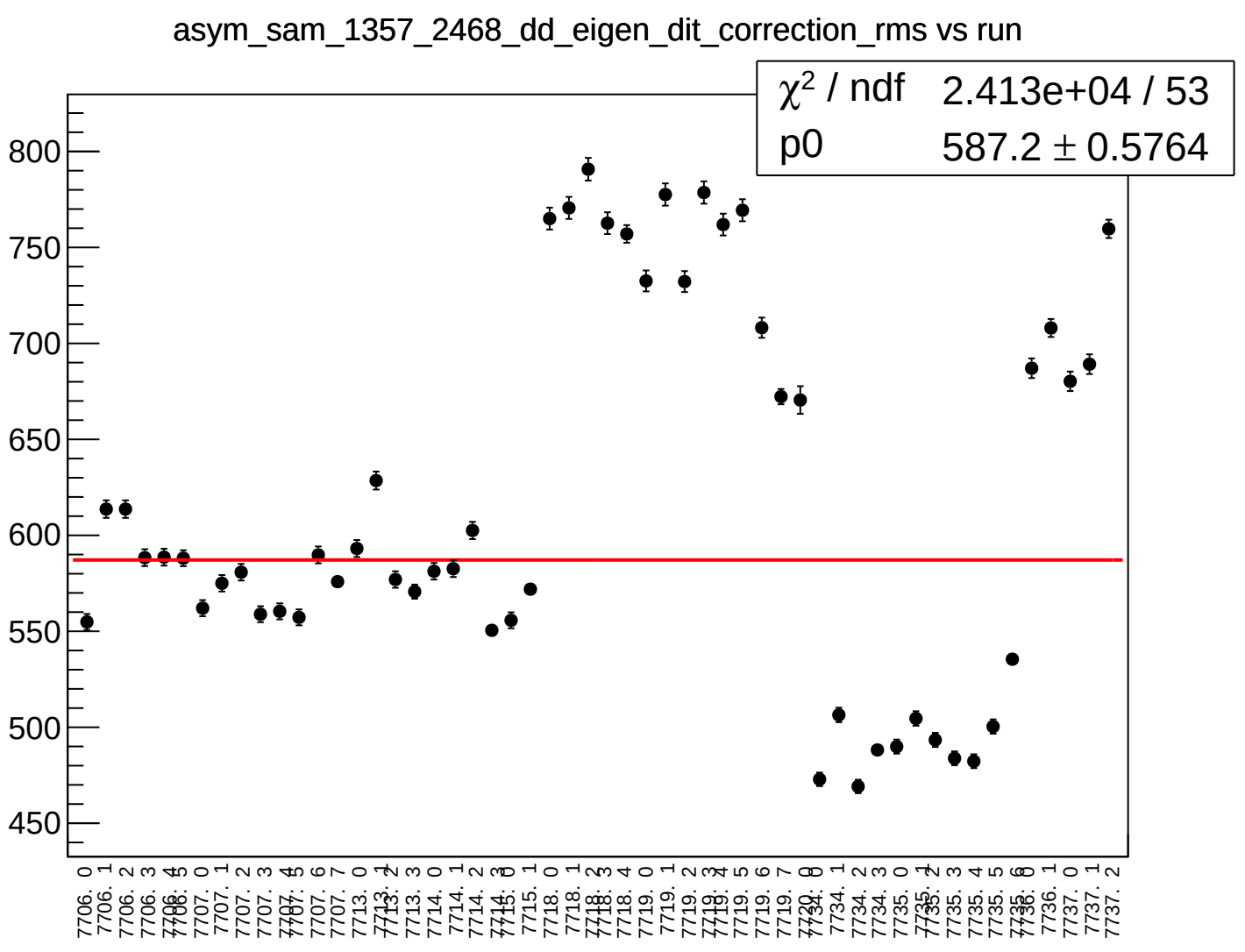

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 2.413e+04 / 53
p0 587.2 ± 0.5764
800
750
700
650
600
550
500
450

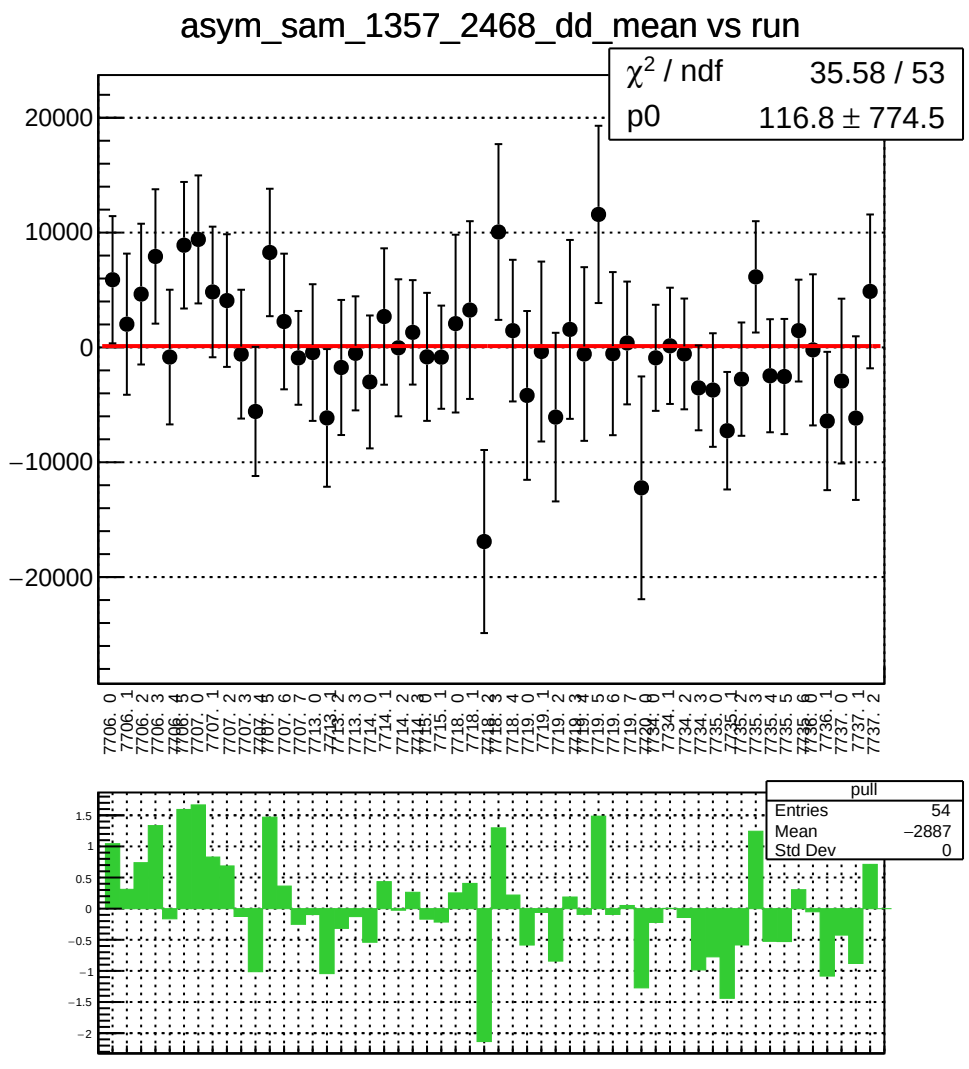

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 32.58 / 53
p0 −24.94 ± 69.39
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 54
Mean 33.31
Std Dev 23.81
1.5
1
0.5
0
−0.5
−1

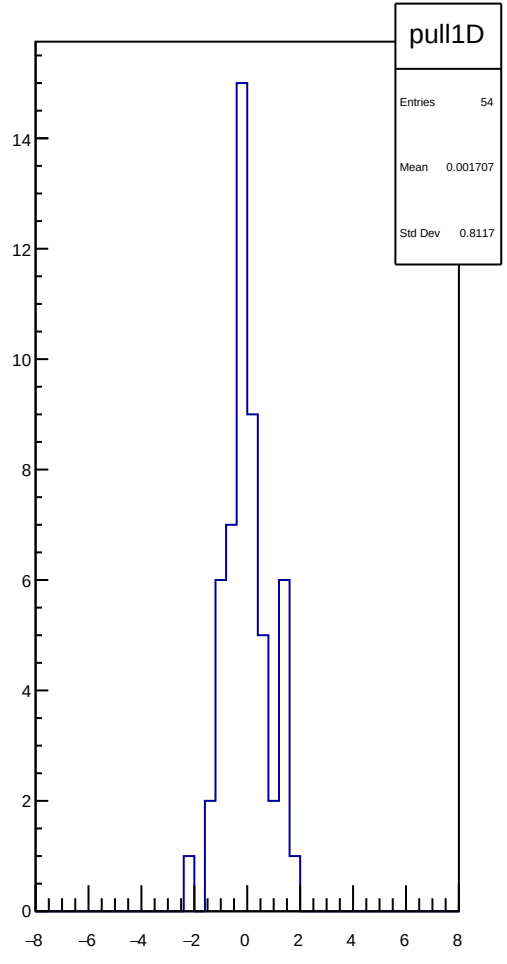

pull1D
Entries 54
Mean −0.01874
Std Dev 0.7765
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

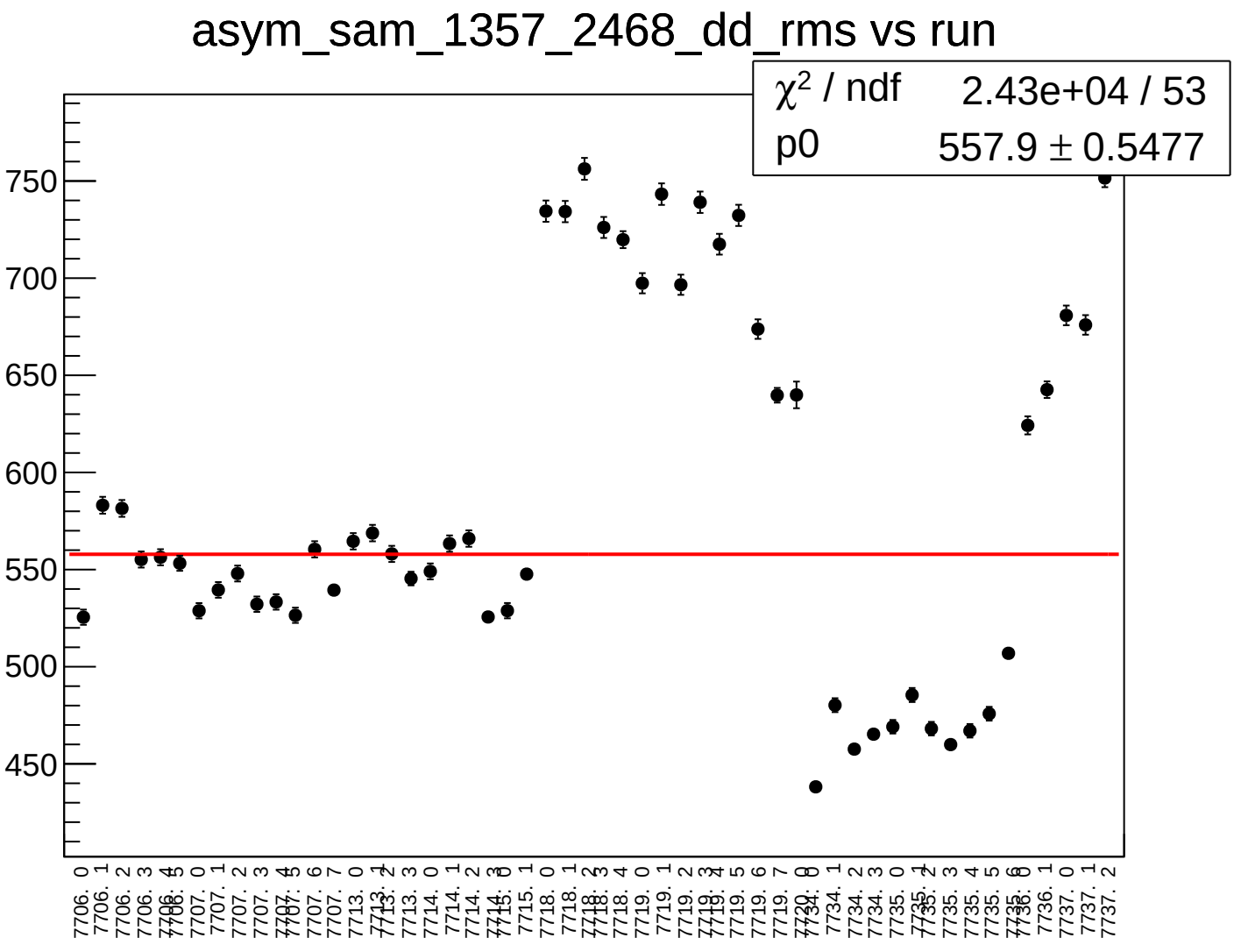

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.107e+04 / 53
p0 50.06 ± 0.04907
90
80
70
60
50
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

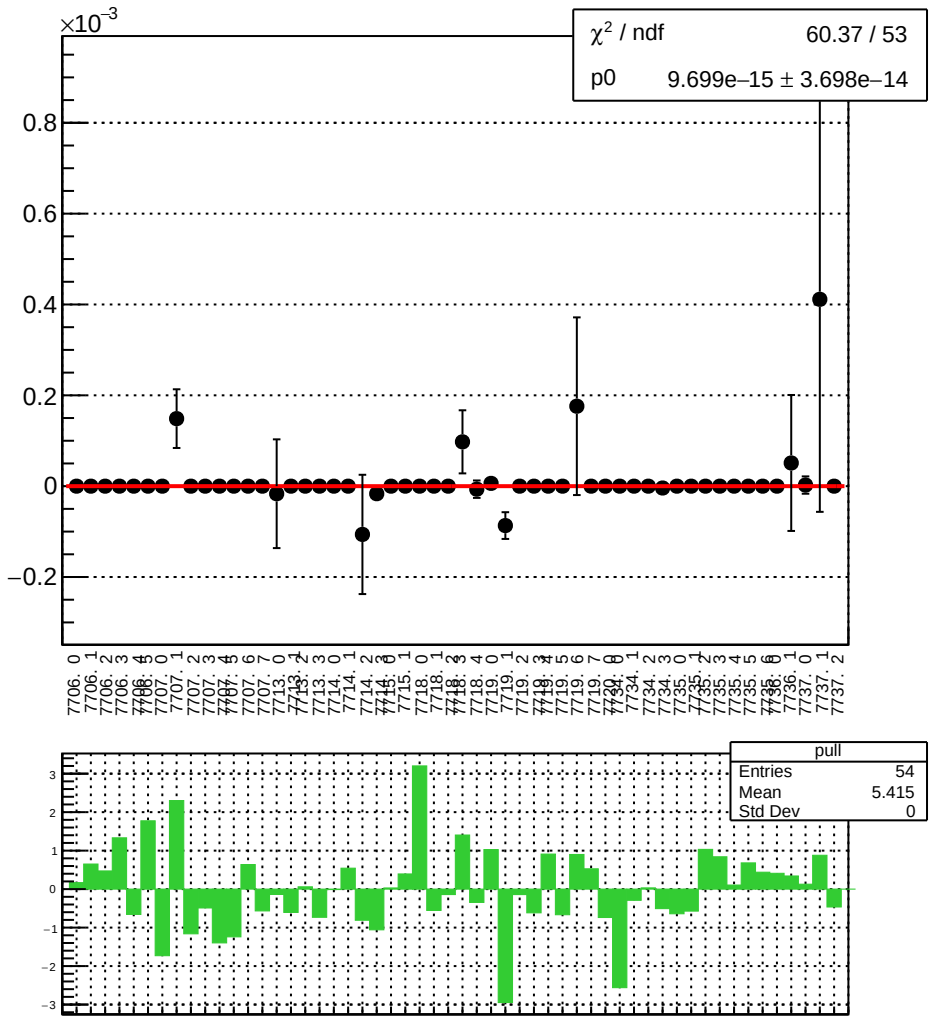

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.14 / 53
p0 −141.8 ± 815.1
pull
Entries 54
Mean −1393
Std Dev 0
pull1D
Entries 54
Mean −0.003294
Std Dev 0.8067

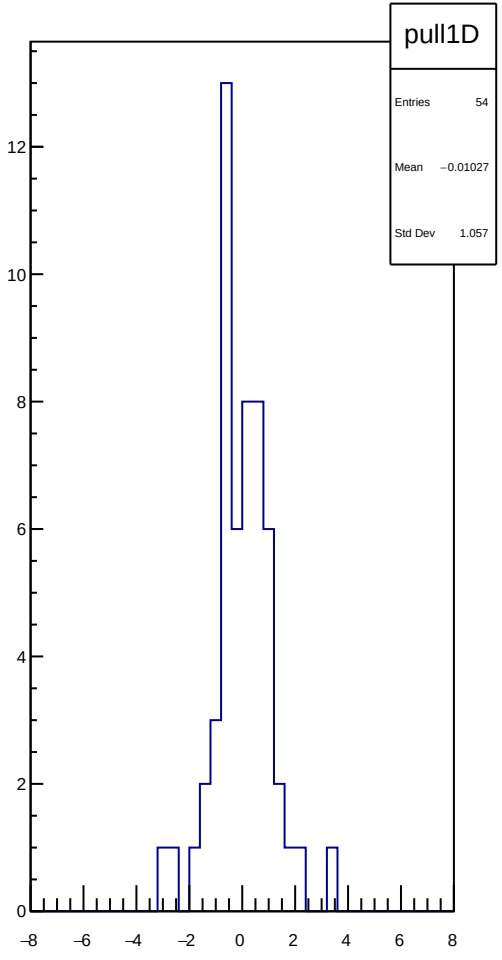

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.413e+04 / 53
p0 587.2 ± 0.5764
800
750
700
650
600
550
500
450

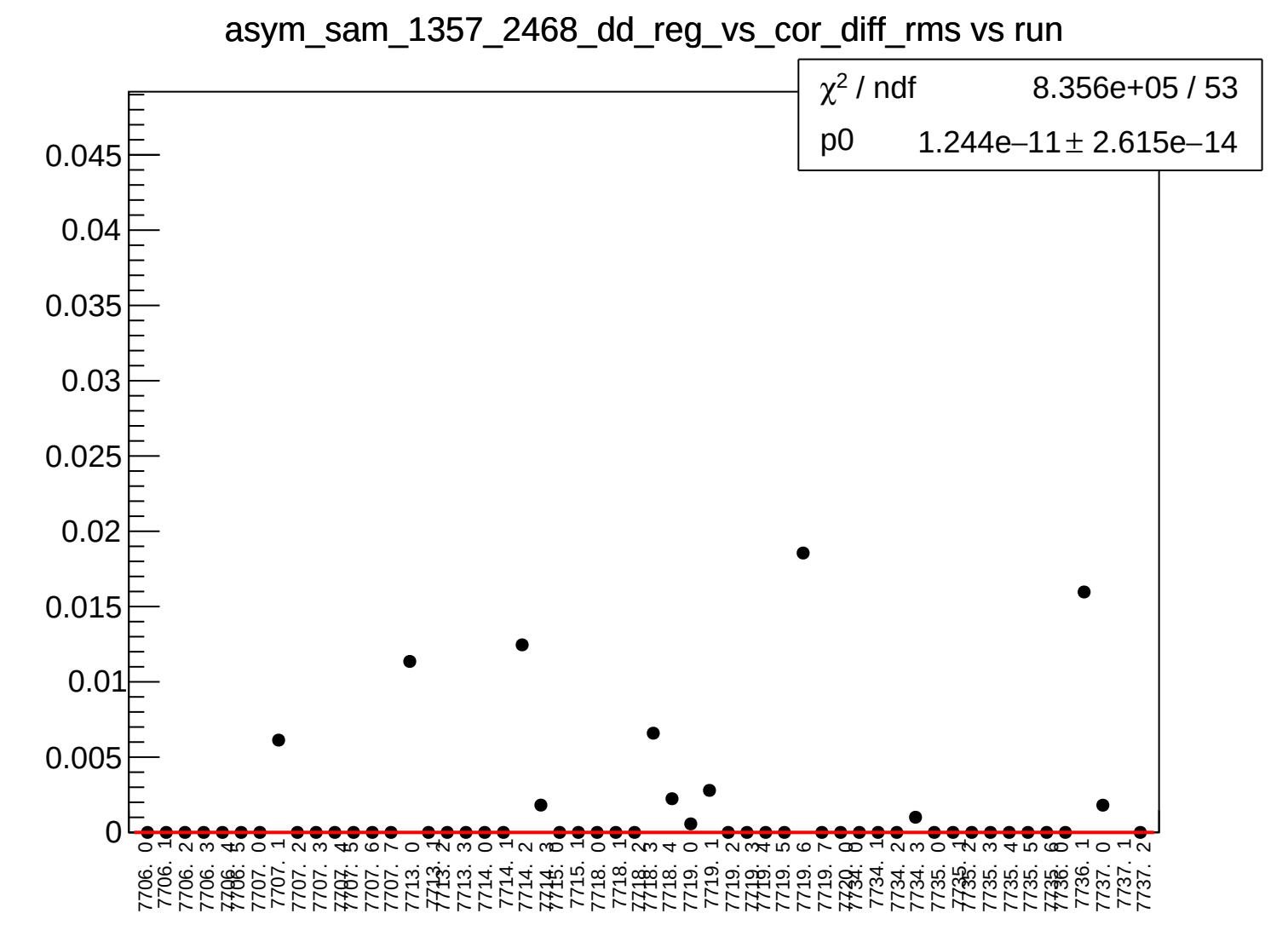

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 35.58 / 53
p0 116.8 ± 774.5
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −2887
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

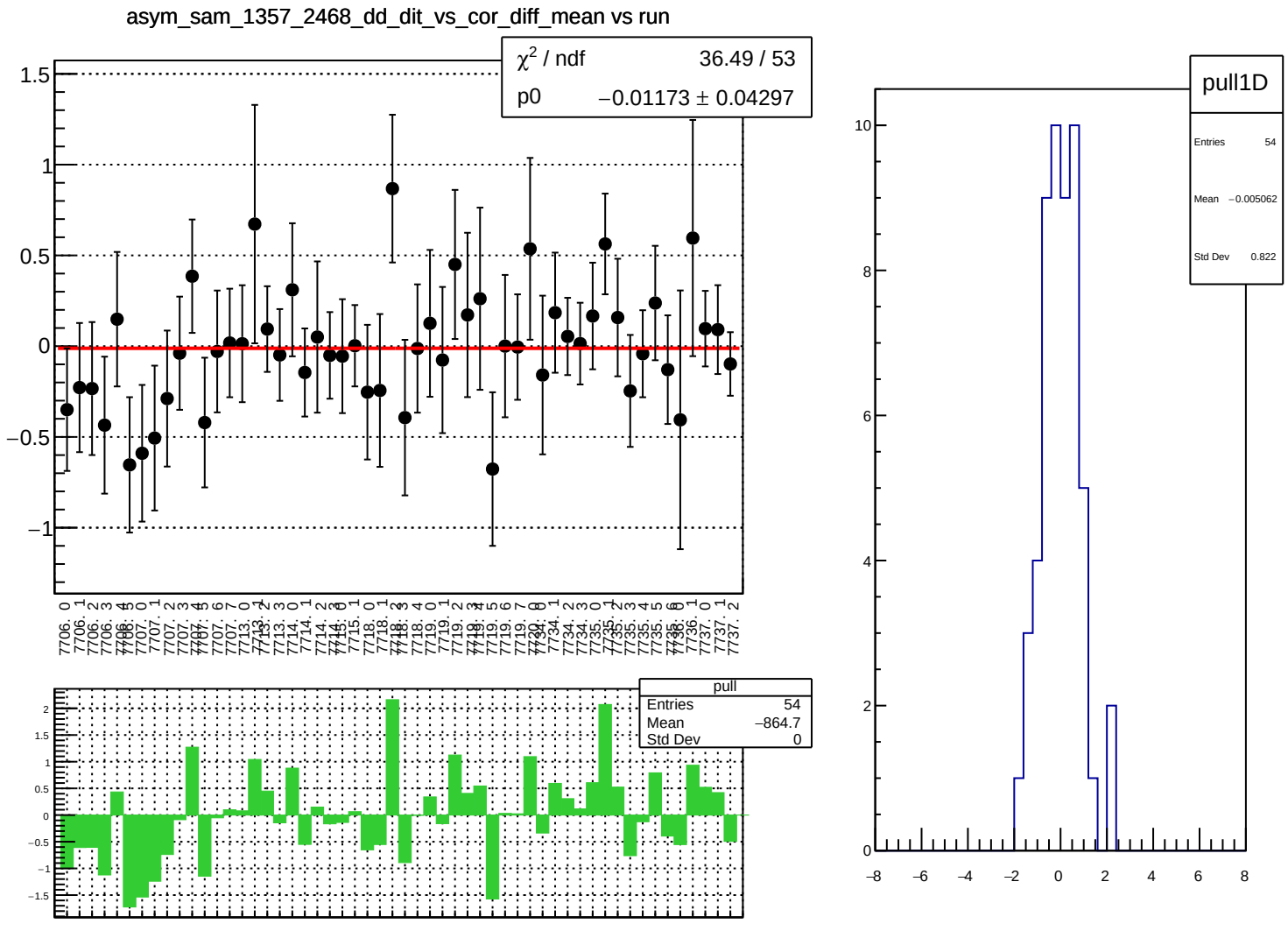

pull1D
Entries 54
Mean 0.001707
Std Dev 0.8117
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

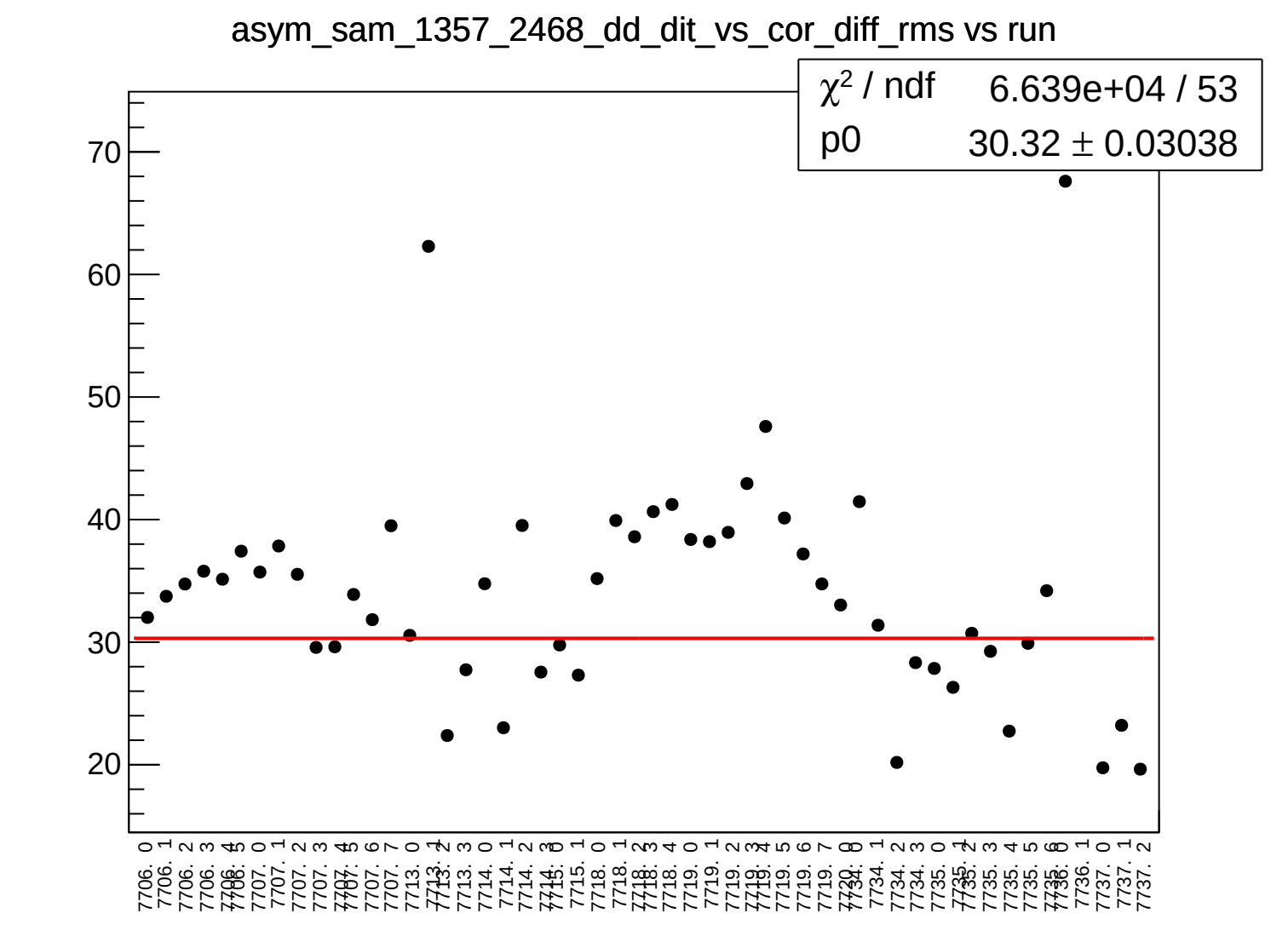

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.43e+04 / 53
p0 557.9 ± 0.5477
750
700
650
600
550
500
450

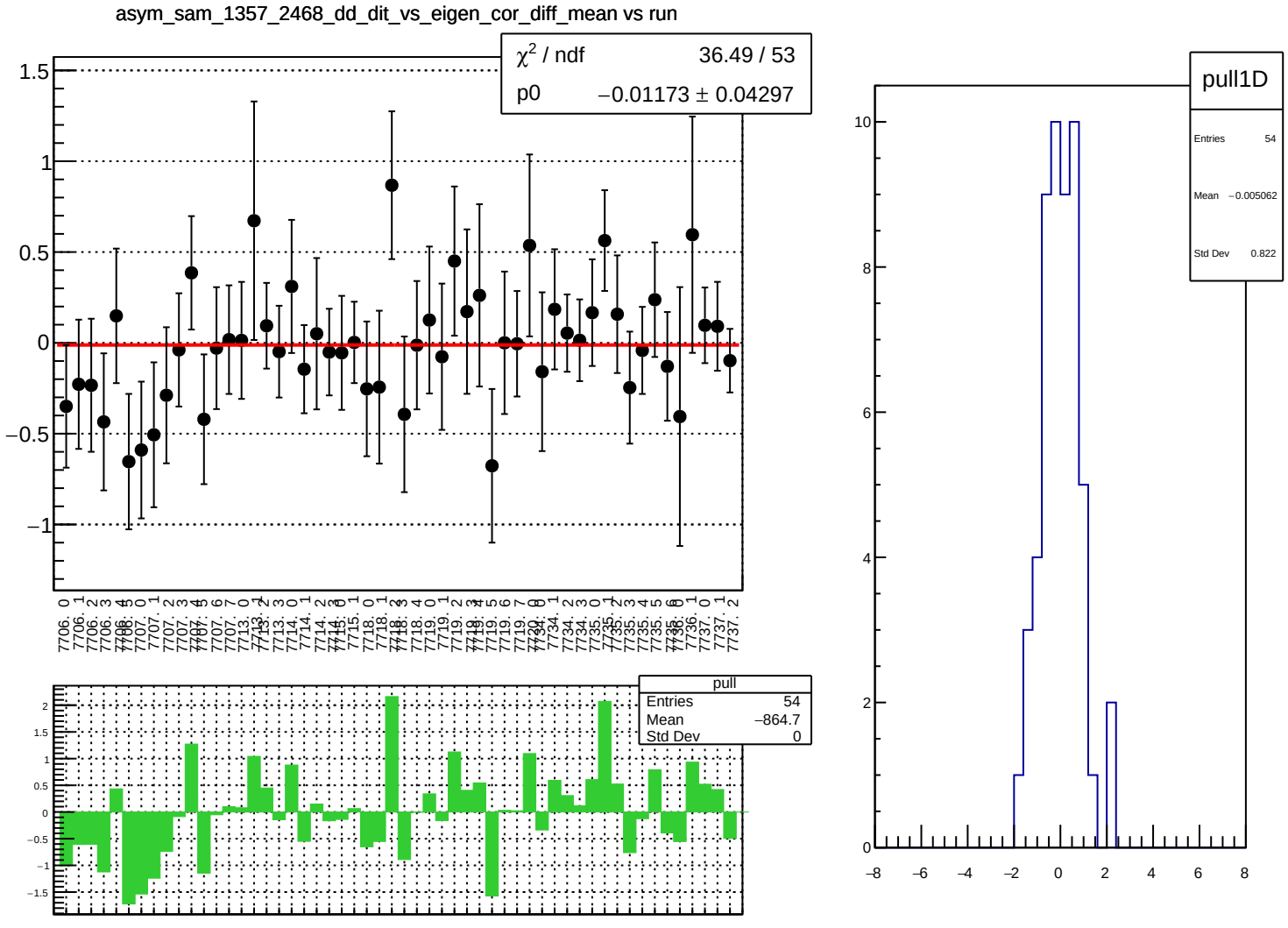

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 60.37 / 53
p0 9.699e−15 ± 3.698e−14
pull
Entries 54
Mean 5.415
Std Dev 0

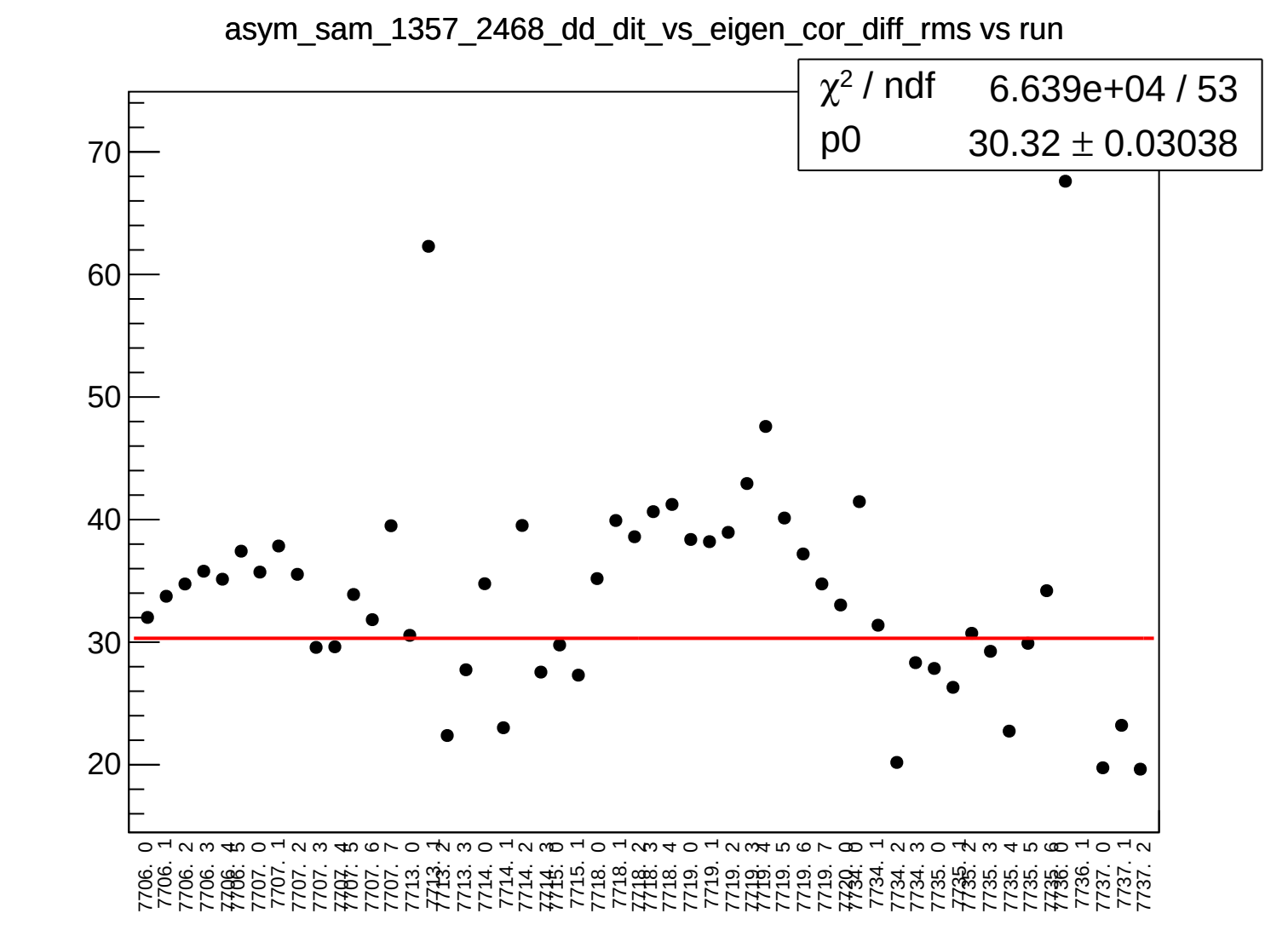

pull1D
Entries 54
Mean −0.01027
Std Dev 1.057

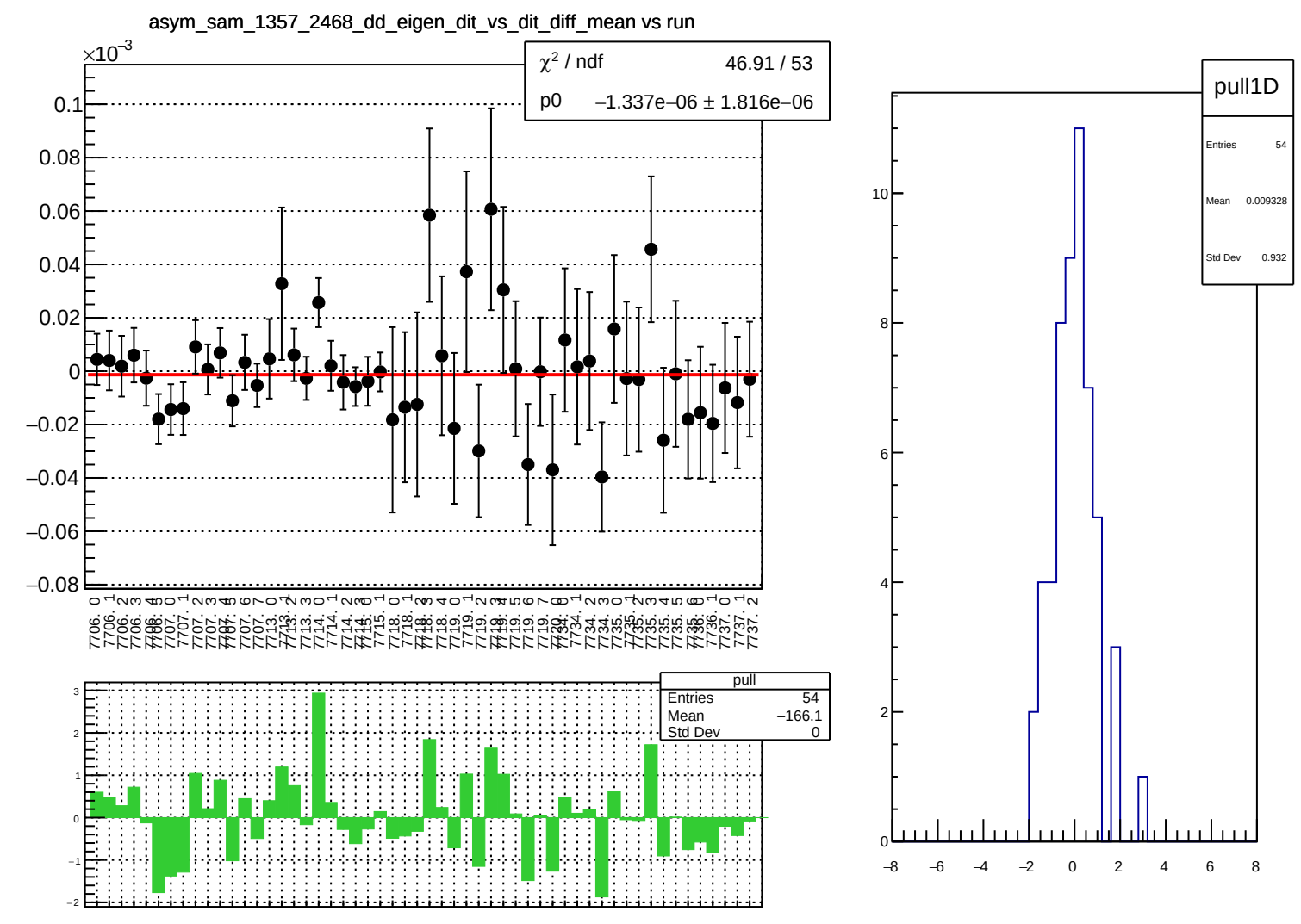

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.356e+05 / 53
p0 1.244e−11 ± 2.615e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

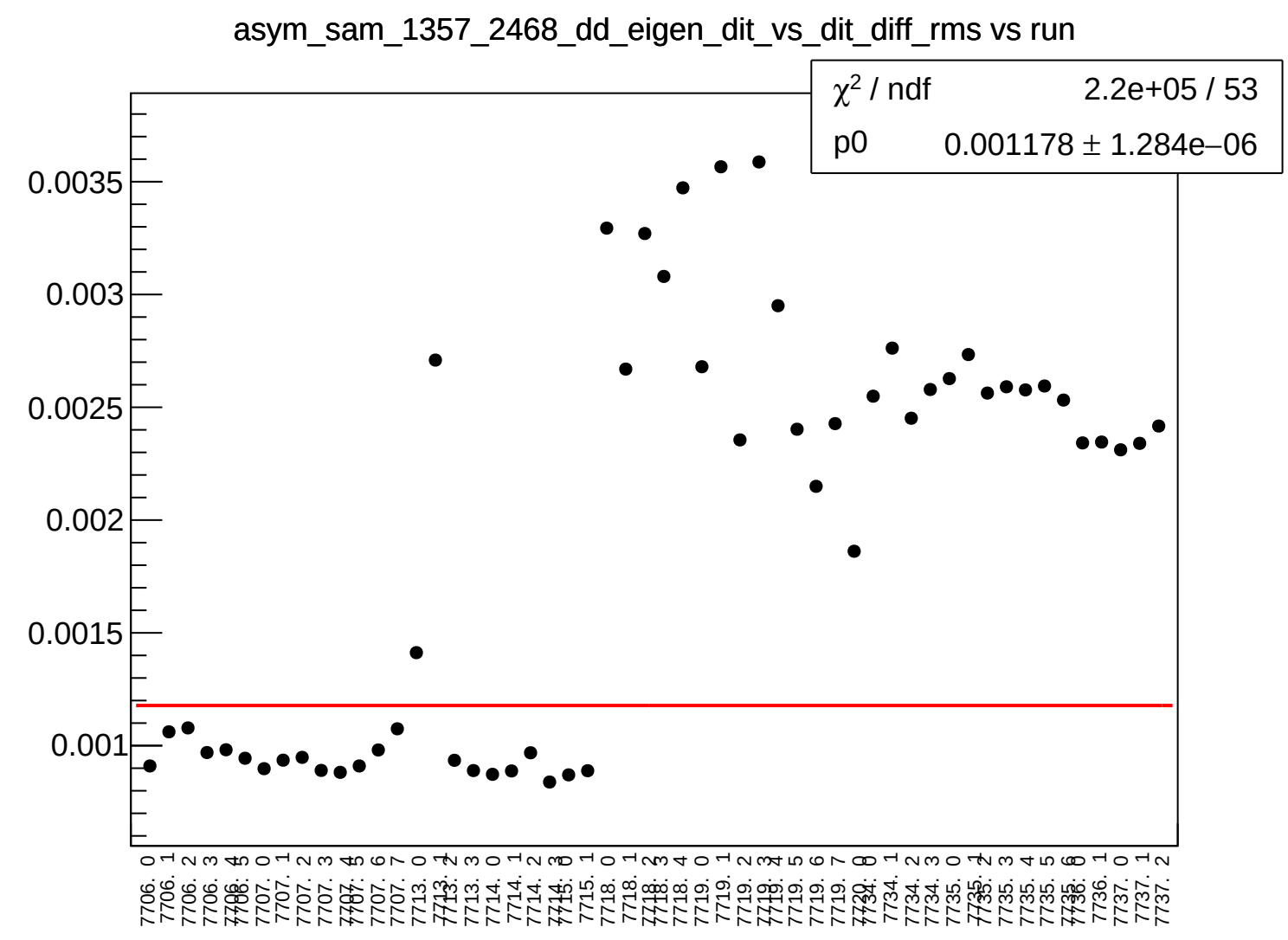

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.49 / 53
p0 −0.01173 ± 0.04297
pull
Entries 54
Mean −864.7
Std Dev 0
pull1D
Entries 54
Mean −0.005062
Std Dev 0.822

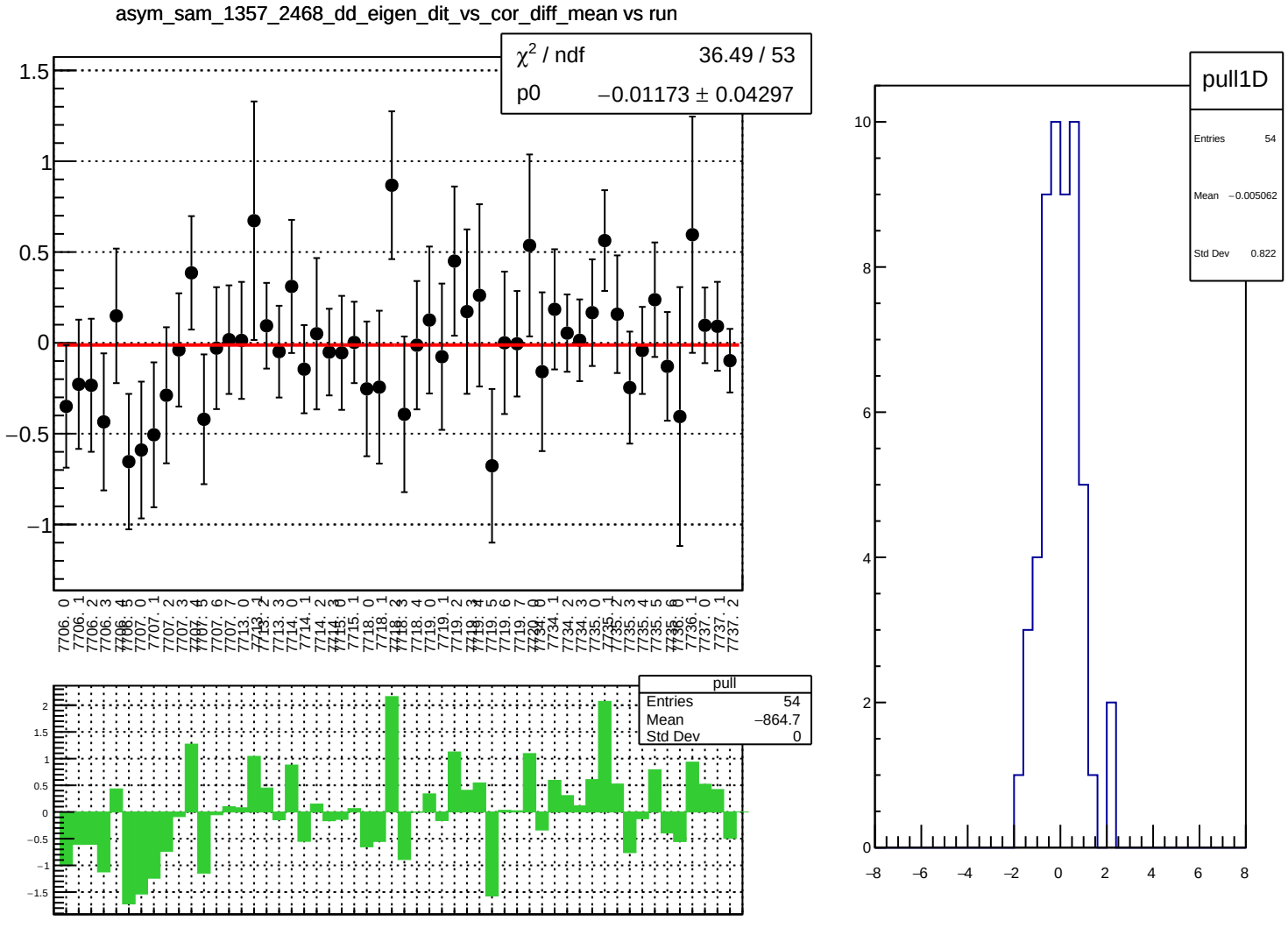

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.639e+04 / 53
p0 30.32 ± 0.03038
70
60
50
40
30
20

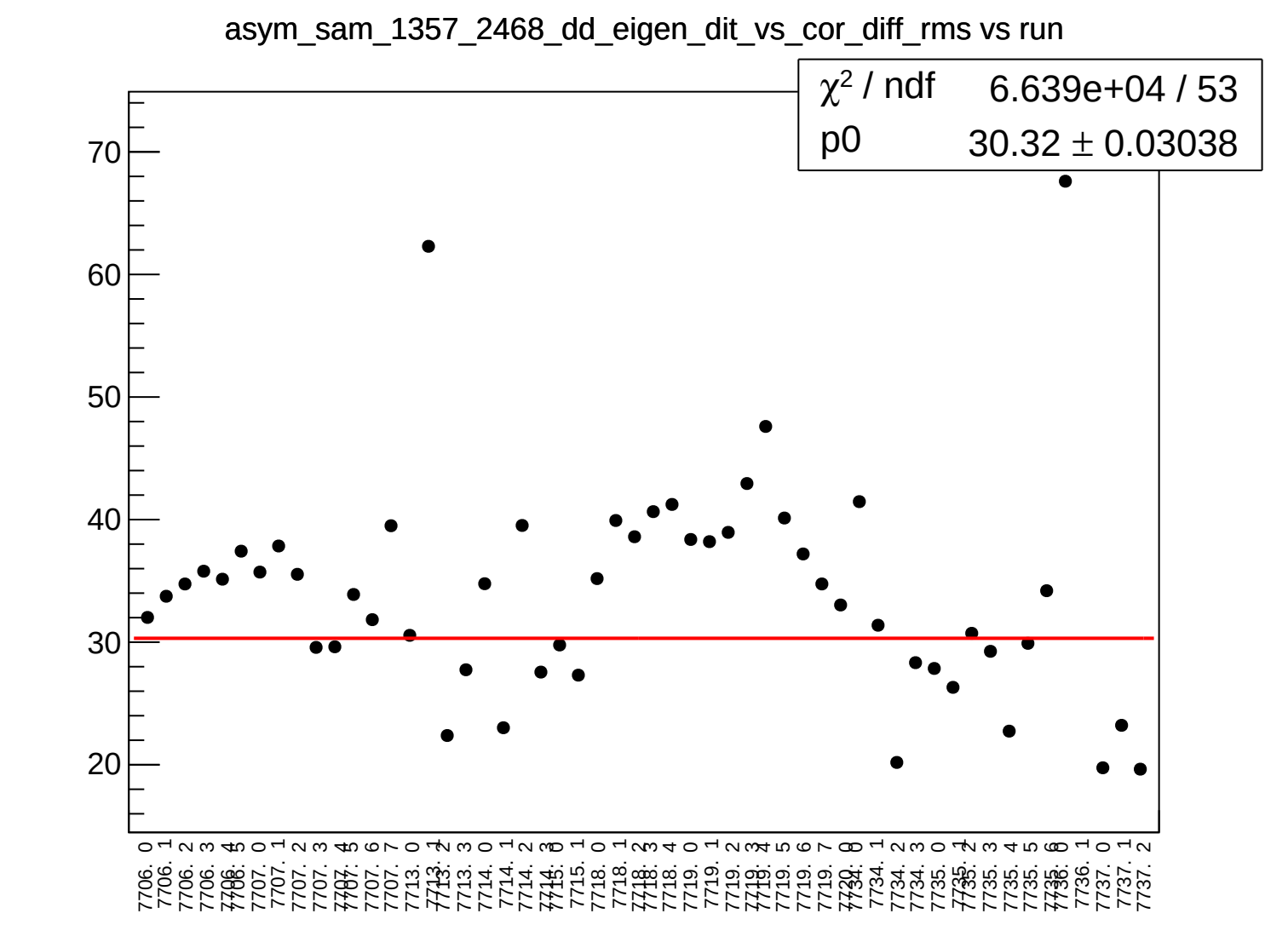

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.49 / 53
p0 −0.01173 ± 0.04297
pull
Entries 54
Mean −864.7
Std Dev 0
pull1D
Entries 54
Mean −0.005062
Std Dev 0.822

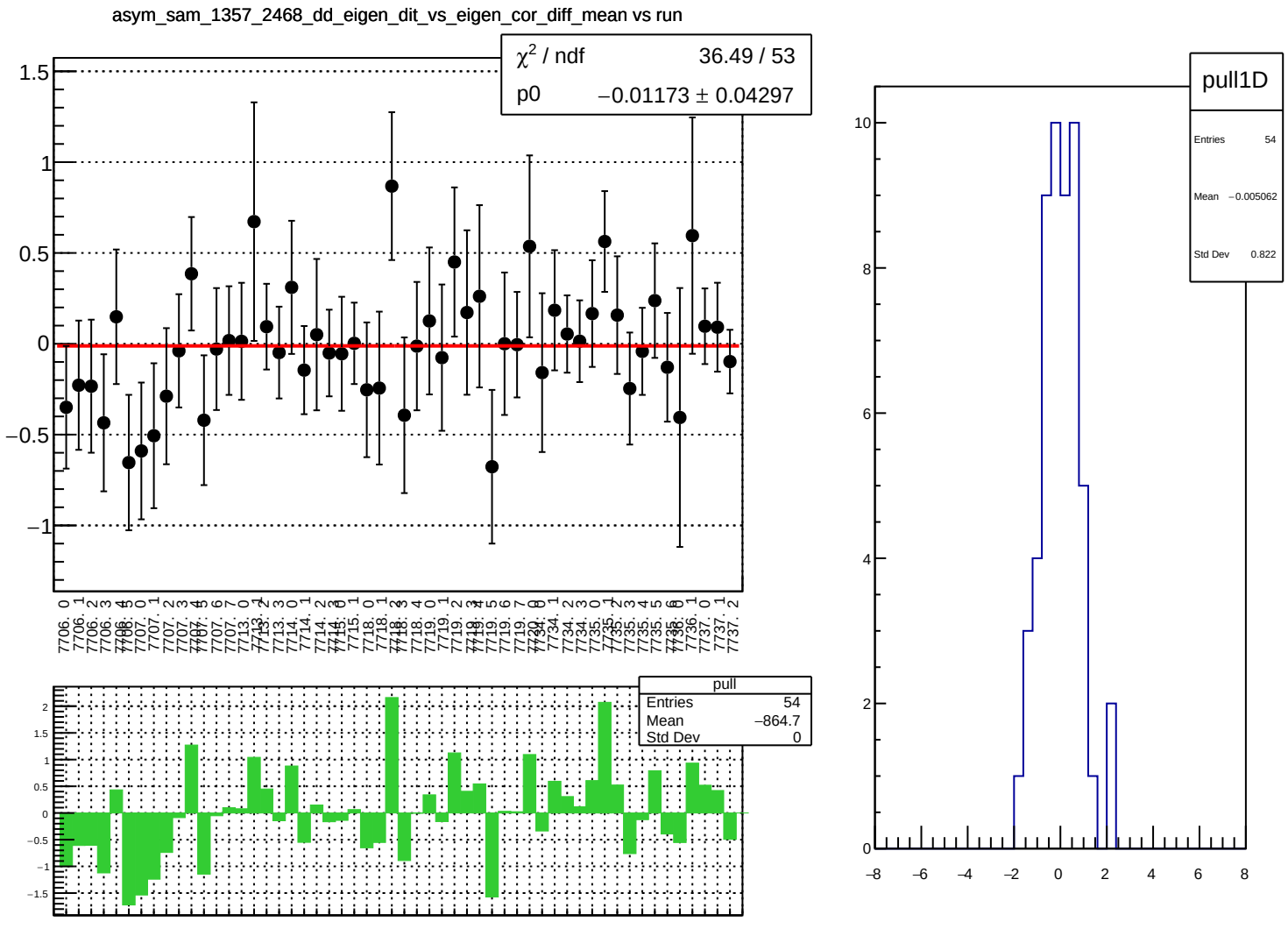

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.639e+04 / 53
p0 30.32 ± 0.03038
70
60
50
40
30
20

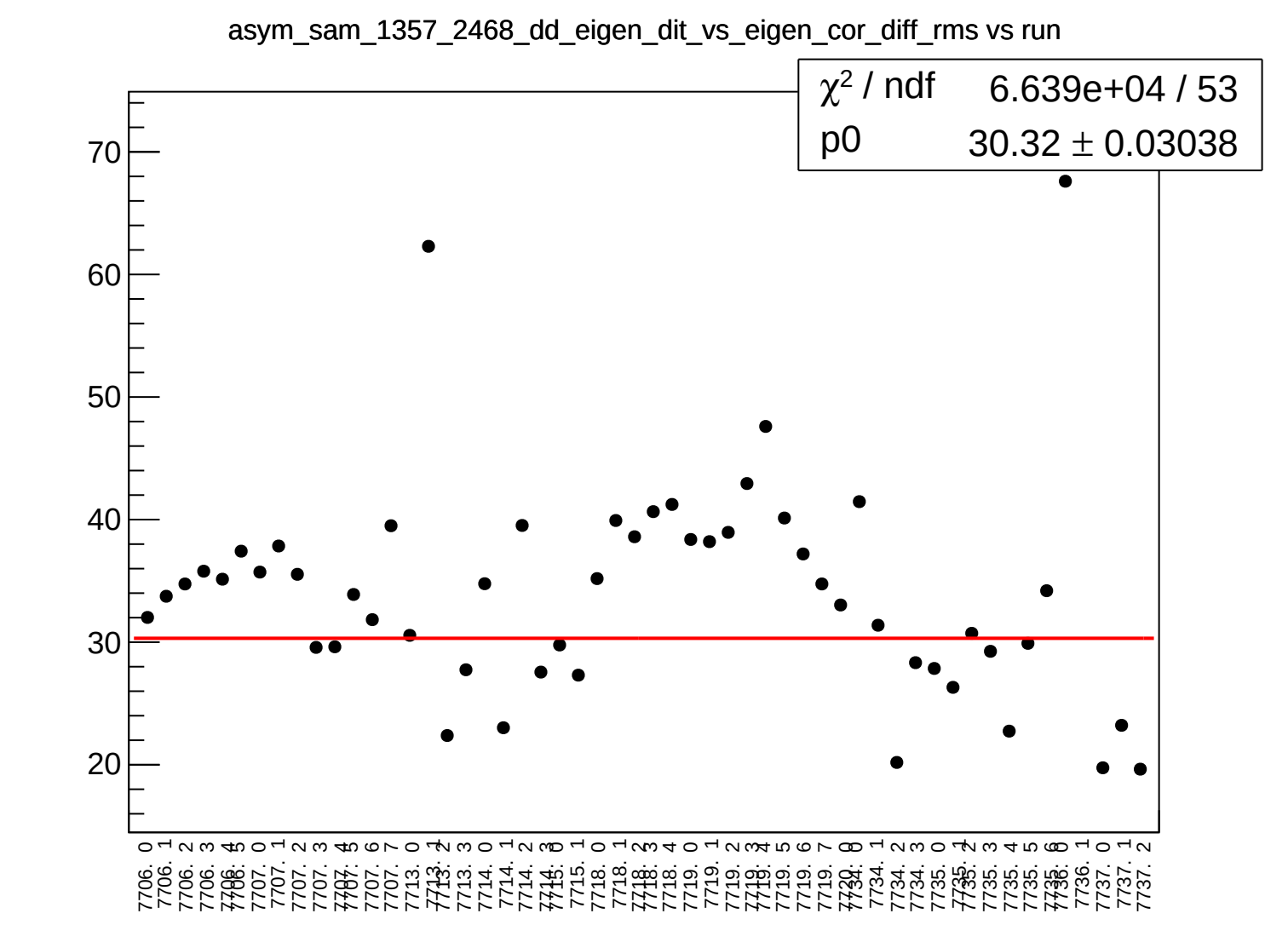

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 46.91 / 53
p0 −1.337e−06 ± 1.816e−06
pull
Entries 54
Mean −166.1
Std Dev 0
pull1D
Entries 54
Mean 0.009328
Std Dev 0.932

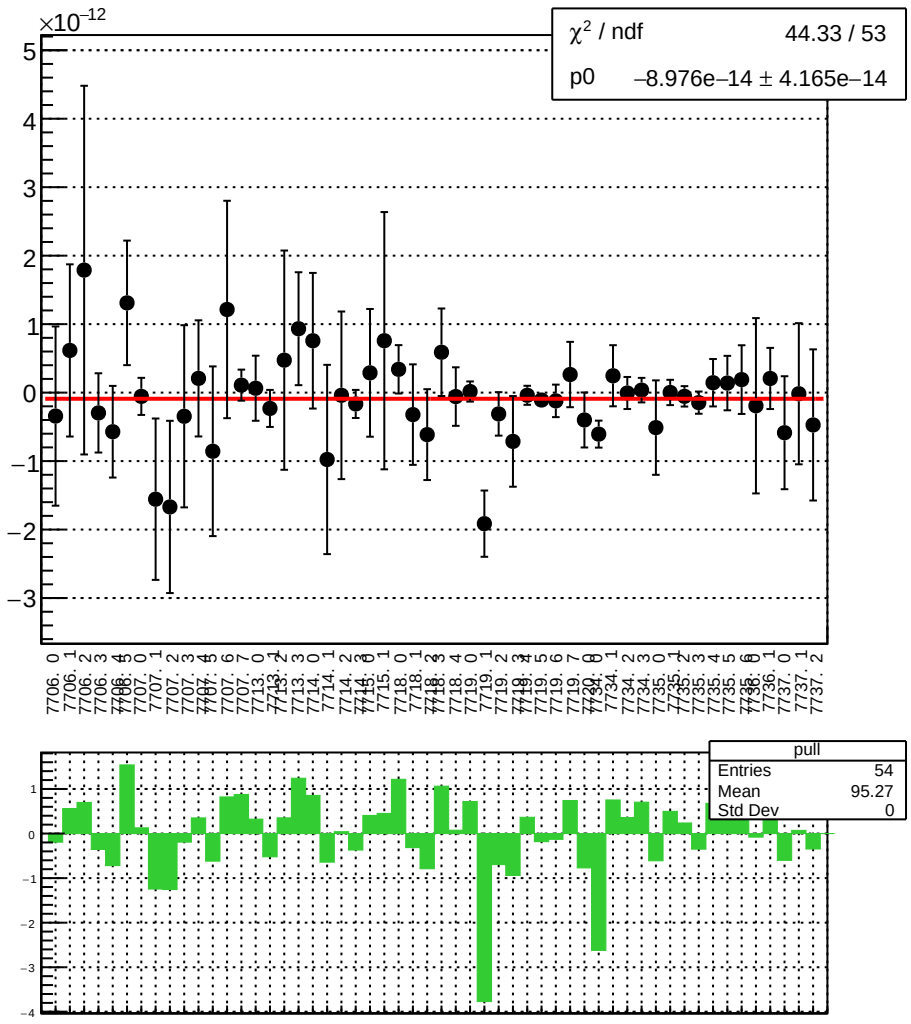

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.2e+05 / 53
p0 0.001178 ± 1.284e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001

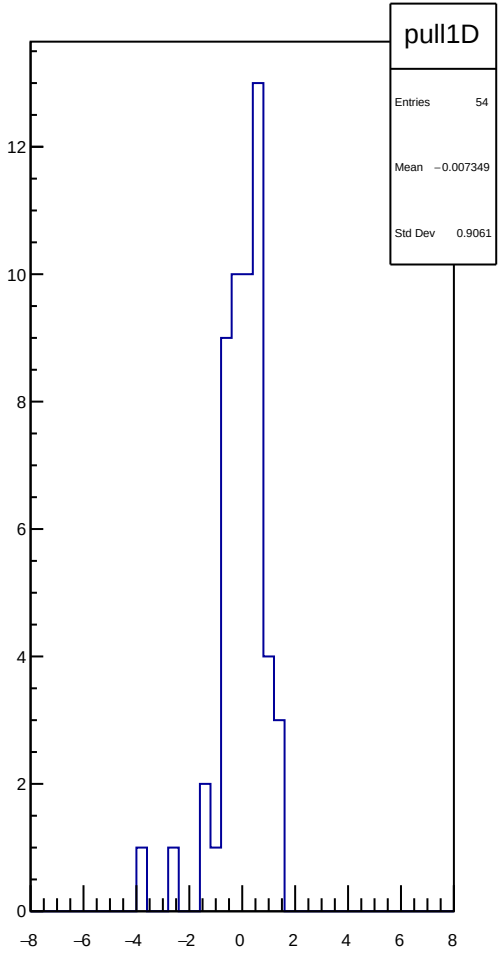

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.49 / 53
p0 −0.01173 ± 0.04297
pull
Entries 54
Mean −864.7
Std Dev 0
pull1D
Entries 54
Mean −0.005062
Std Dev 0.822

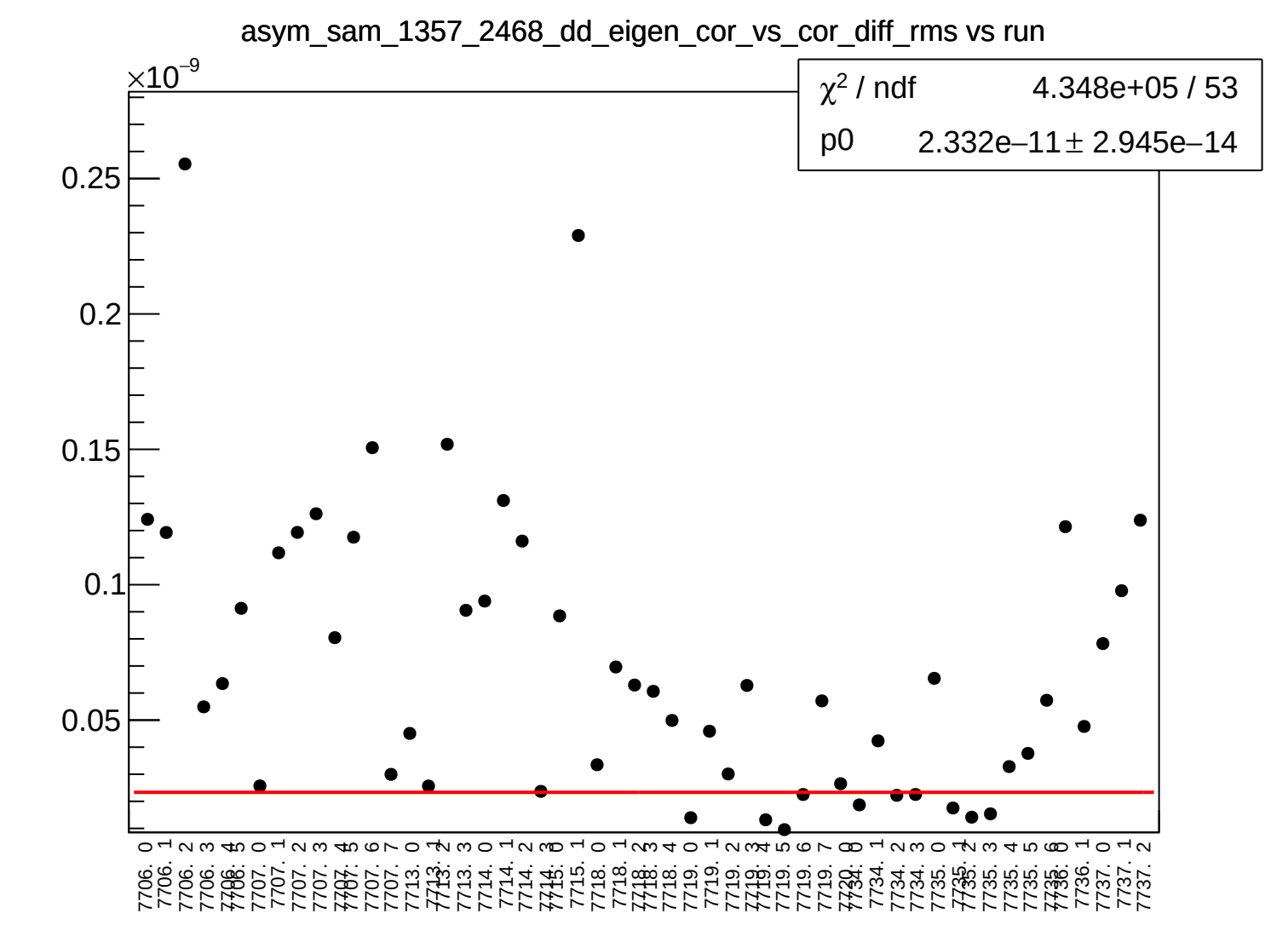

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.639e+04 / 53
p0 30.32 ± 0.03038
70
60
50
40
30
20

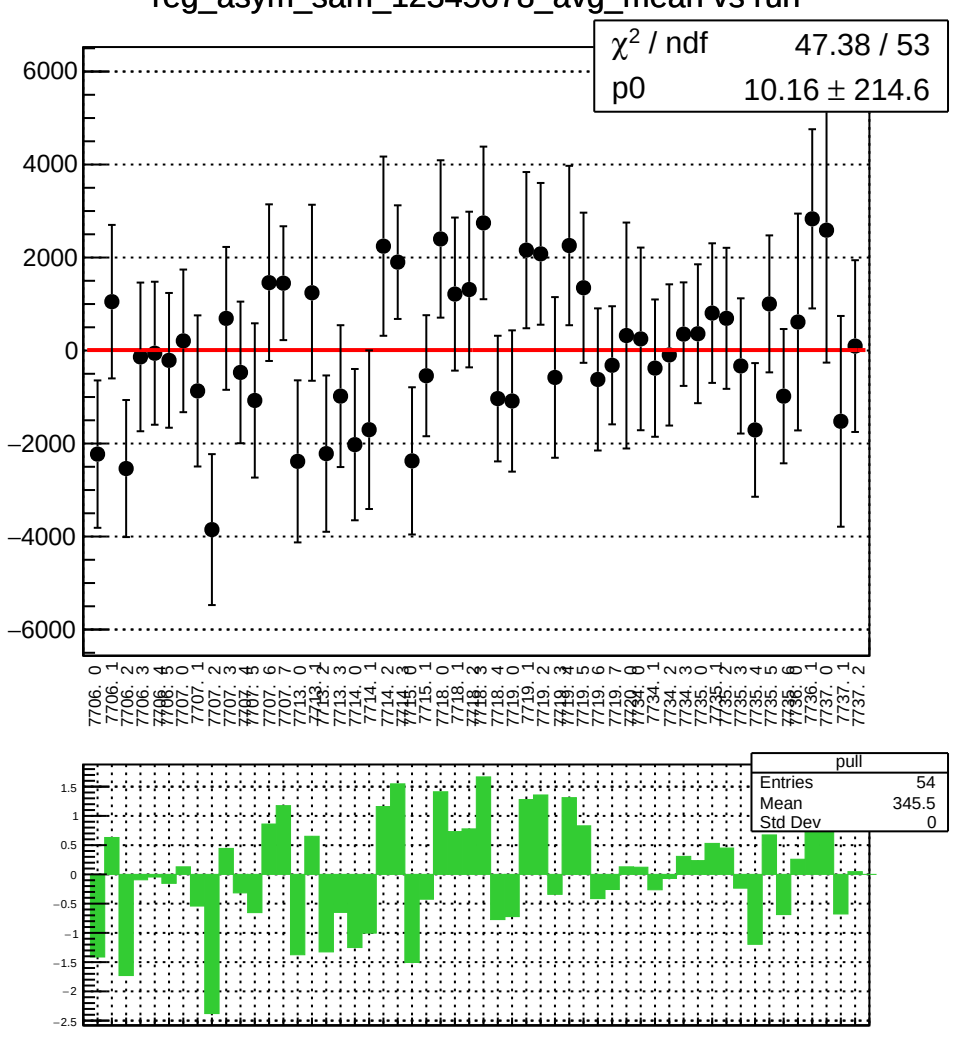

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.49 / 53
p0 −0.01173 ± 0.04297
pull
Entries 54
Mean −864.7
Std Dev 0
pull1D
Entries 54
Mean −0.005062
Std Dev 0.822

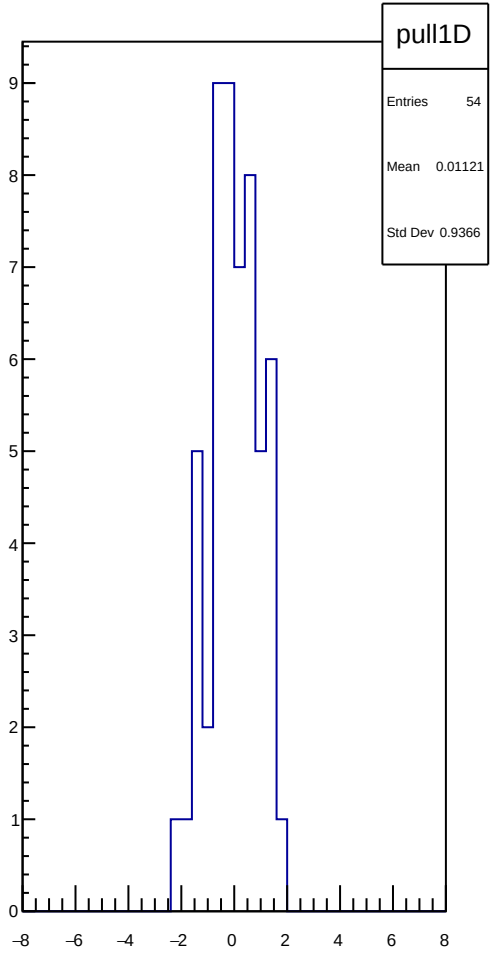

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.639e+04 / 53
p0 30.32 ± 0.03038
70
60
50
40
30
20

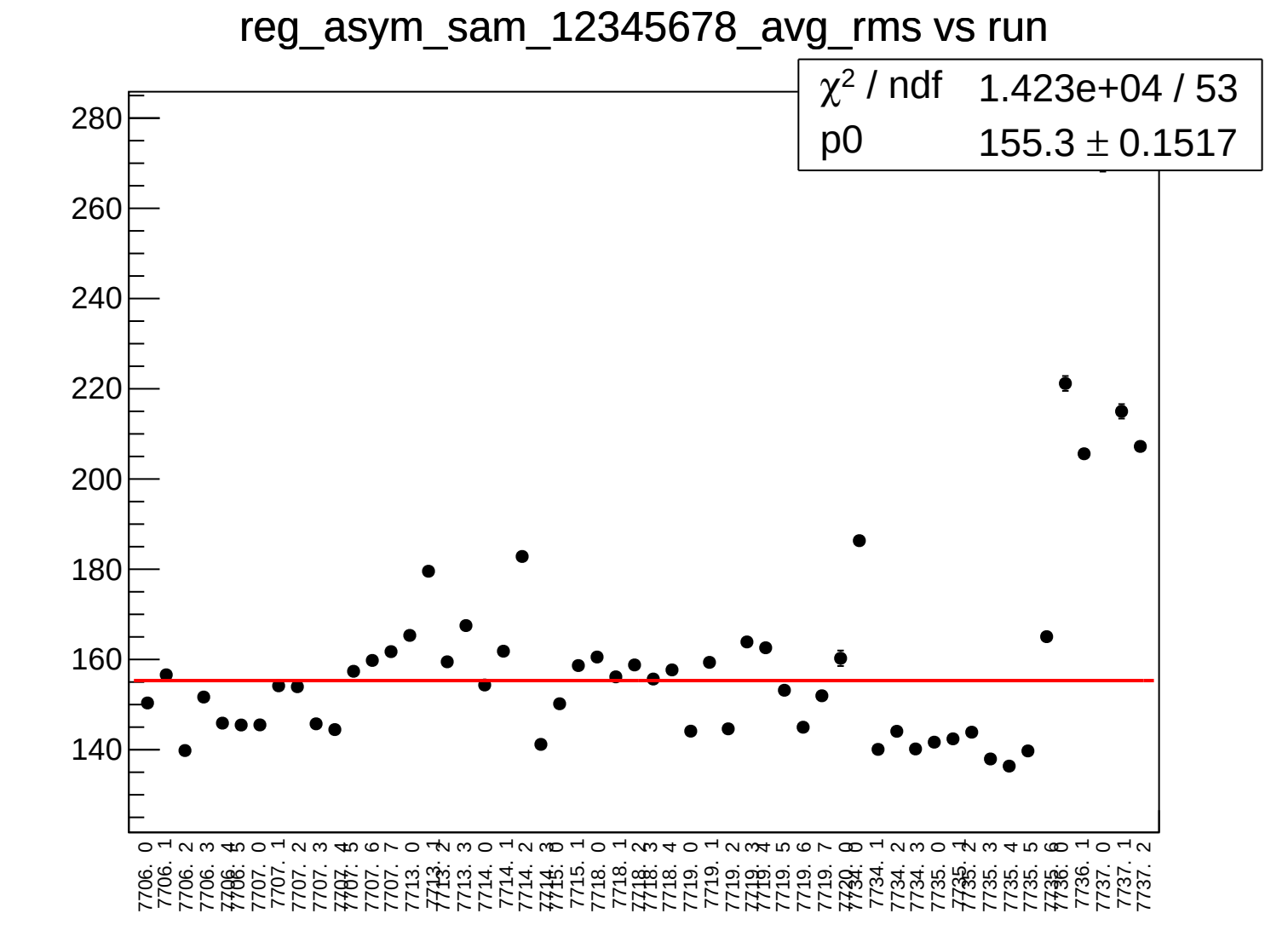

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.33 / 53
p0 −8.976e−14 ± 4.165e−14
pull
Entries 54
Mean 95.27
Std Dev 0

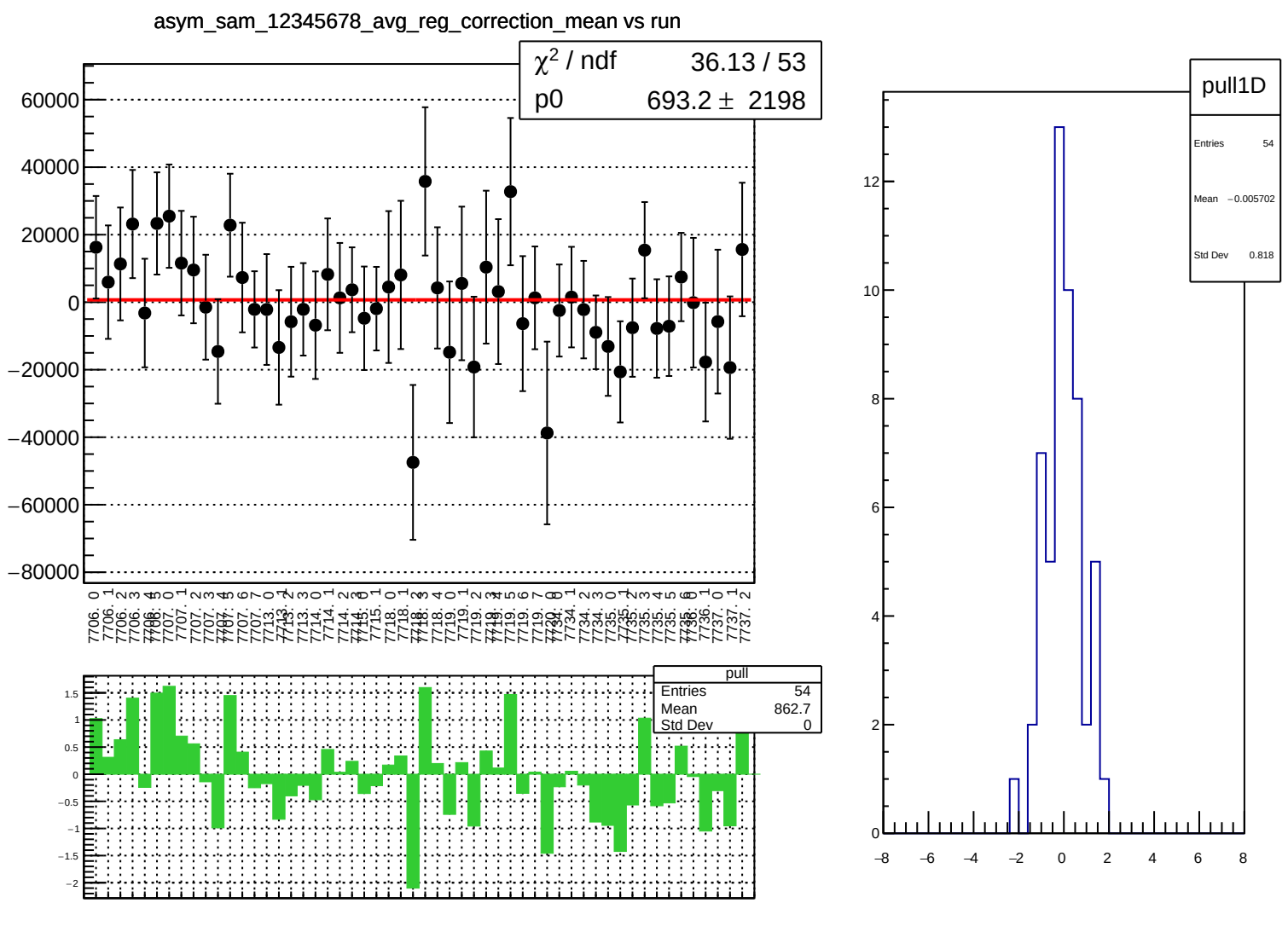

pull1D
Entries 54
Mean −0.007349
Std Dev 0.9061

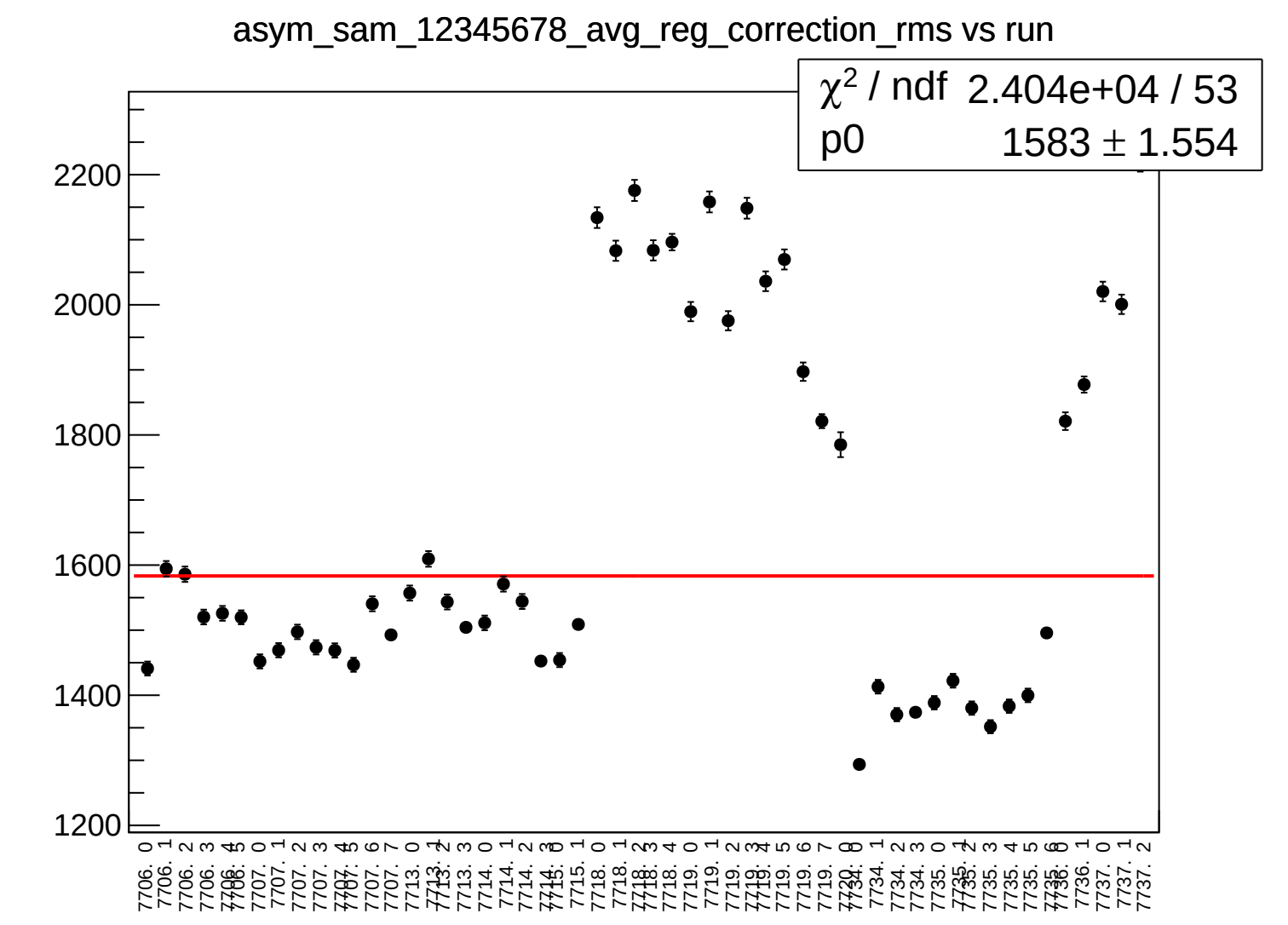

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.348e+05 / 53
p0 2.332e−11 ± 2.945e−14
0.25
0.2
0.15
0.1
0.05

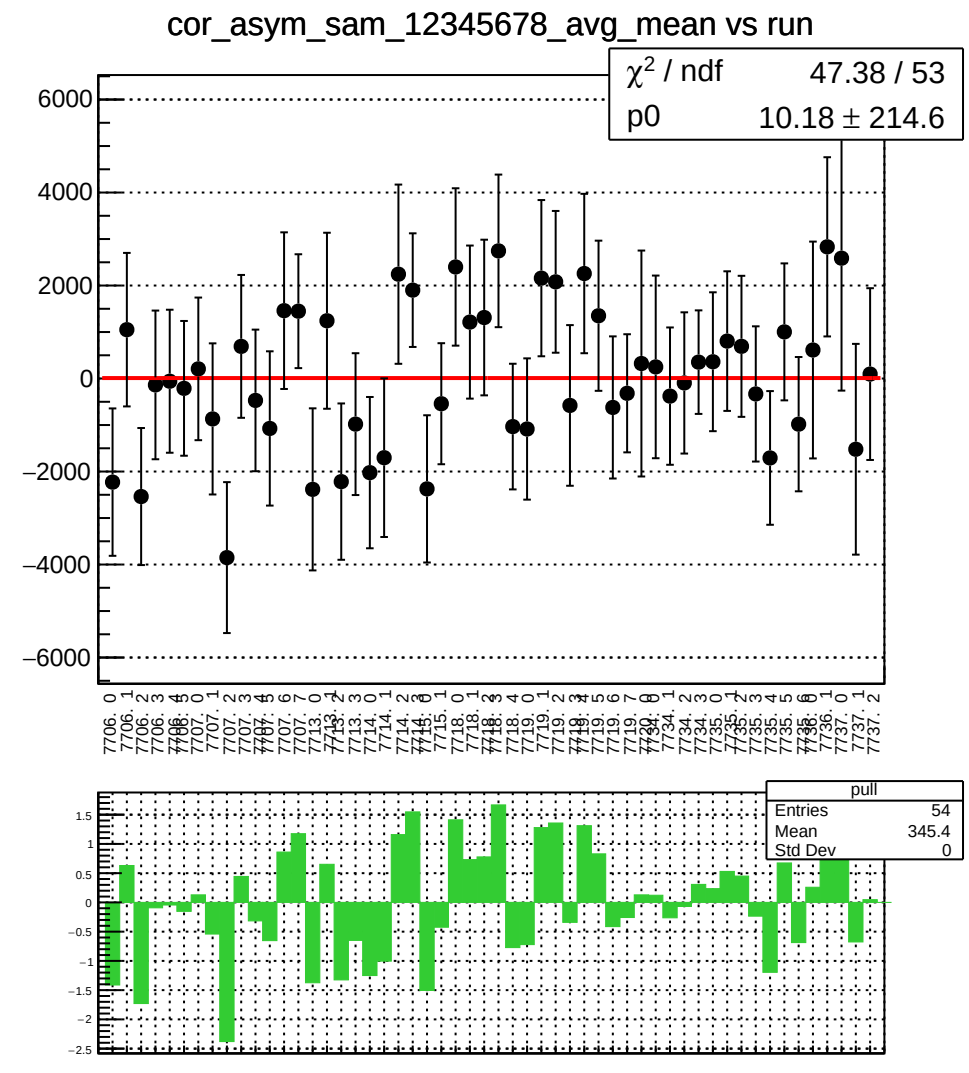

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.38 / 53
p0 10.16 ± 214.6
pull
Entries 54
Mean 345.5
Std Dev 0

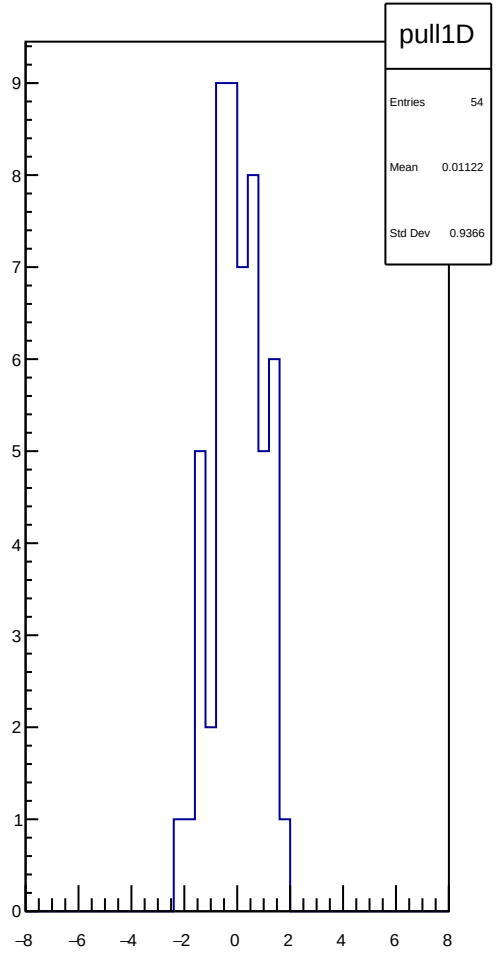

pull1D
Entries 54
Mean 0.01121
Std Dev 0.9366

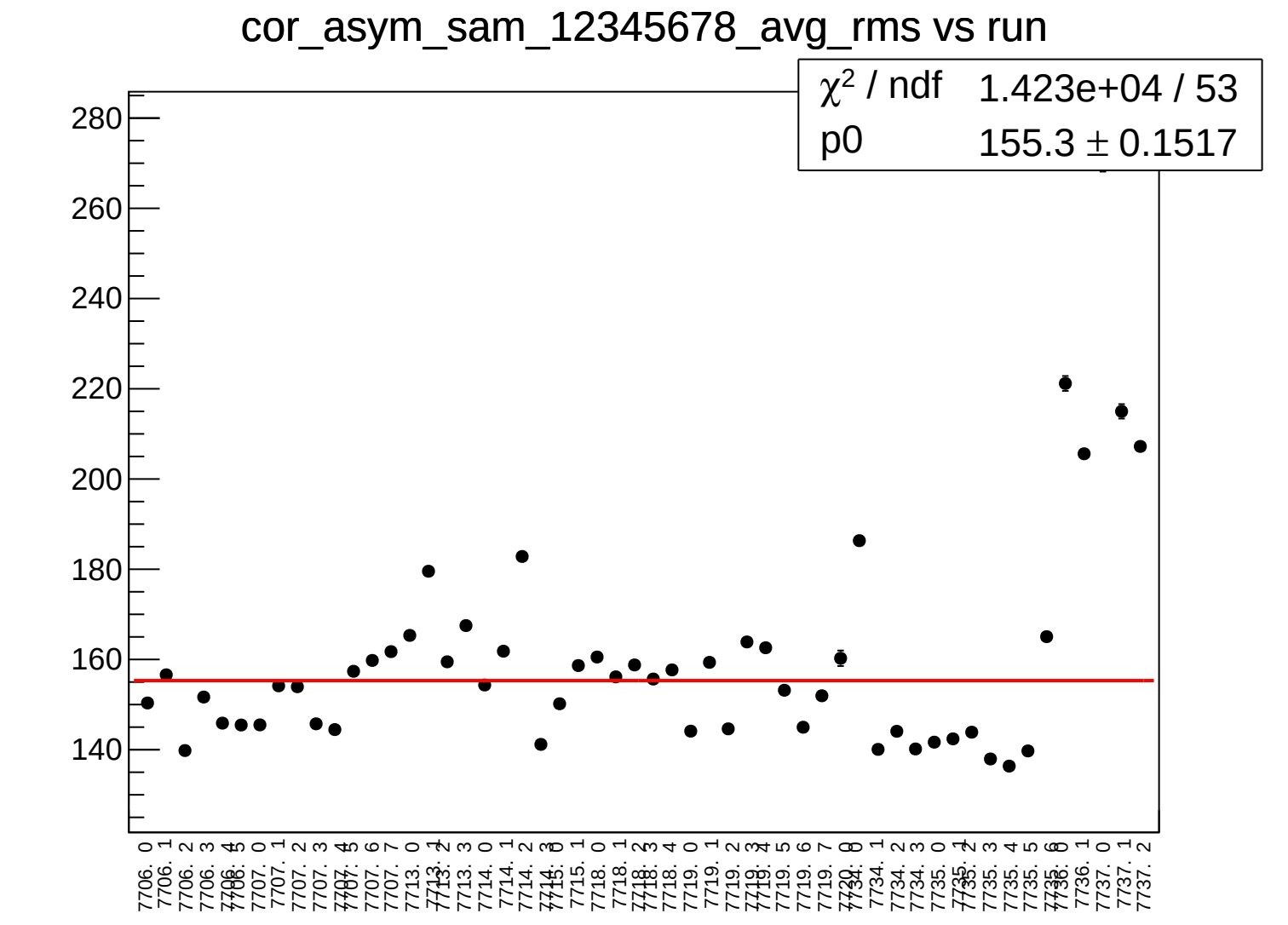

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.423e+04 / 53
p0 155.3 ± 0.1517
280
260
240
220
200
180
160
140

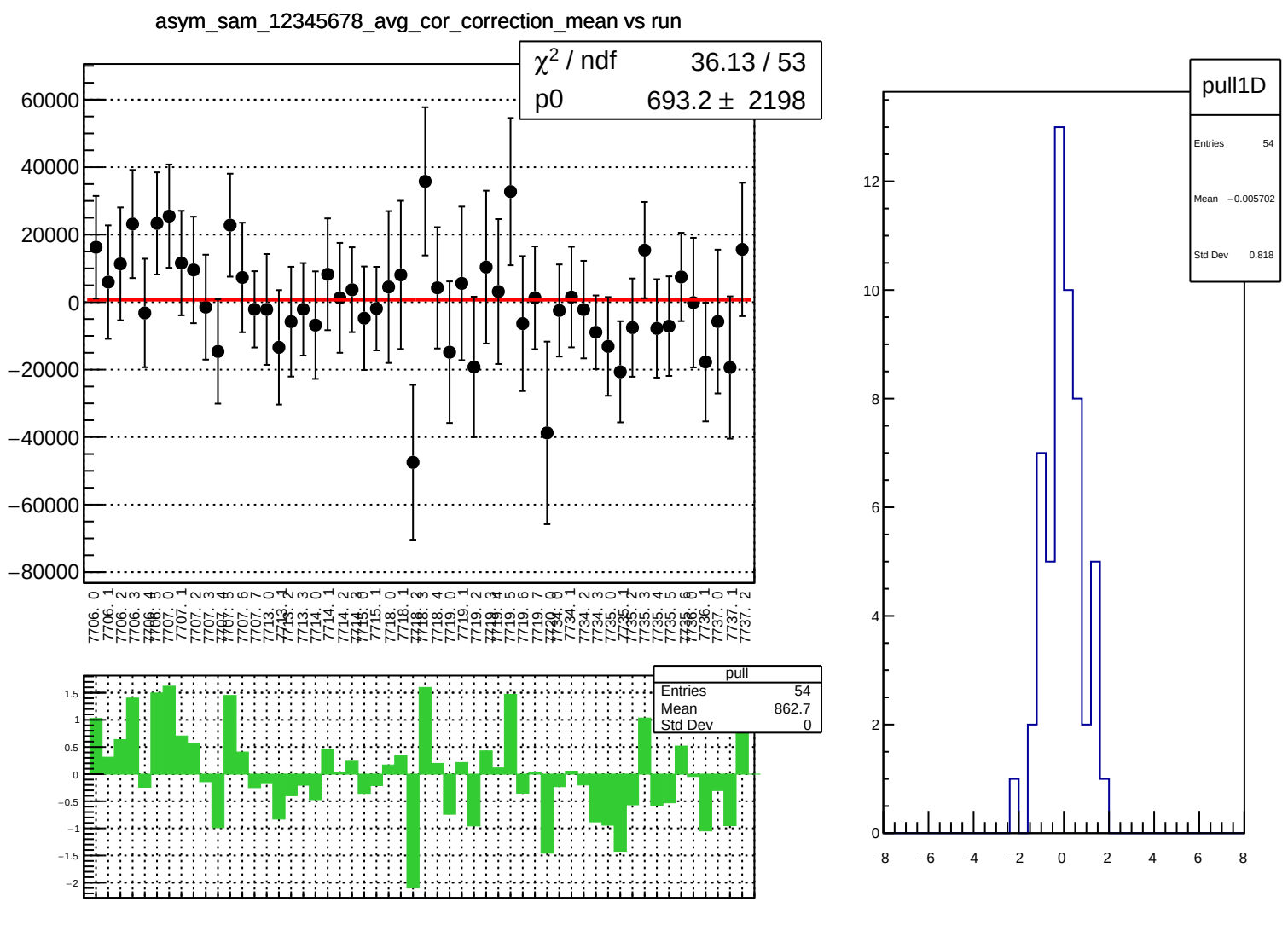

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 36.13 / 53
p0 693.2 ± 2198
pull
Entries 54
Mean 862.7
Std Dev 0
pull1D
Entries 54
Mean −0.005702
Std Dev 0.818

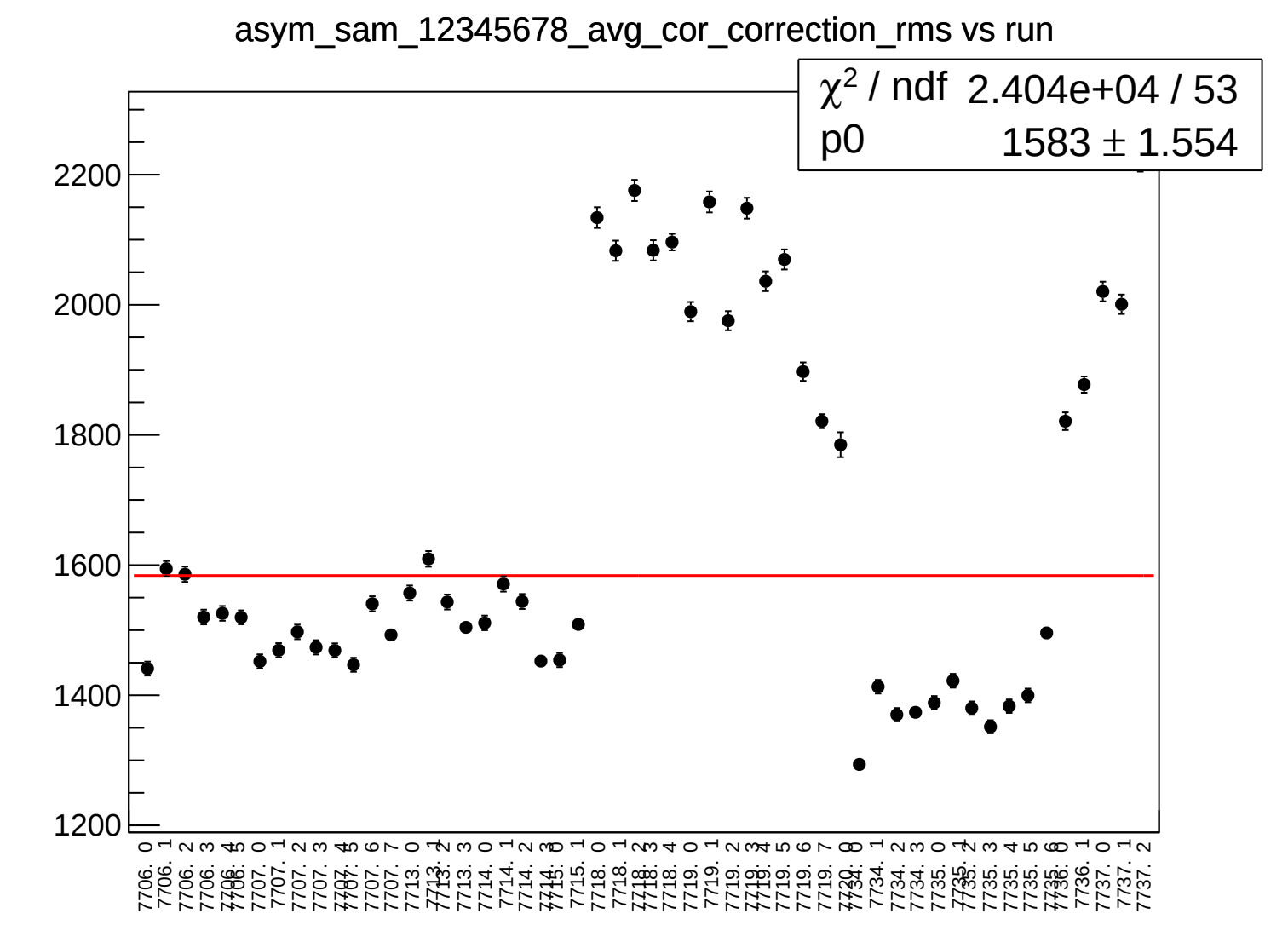

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 2.404e+04 / 53
p0 1583 ± 1.554
2200
2000
1800
1600
1400
1200

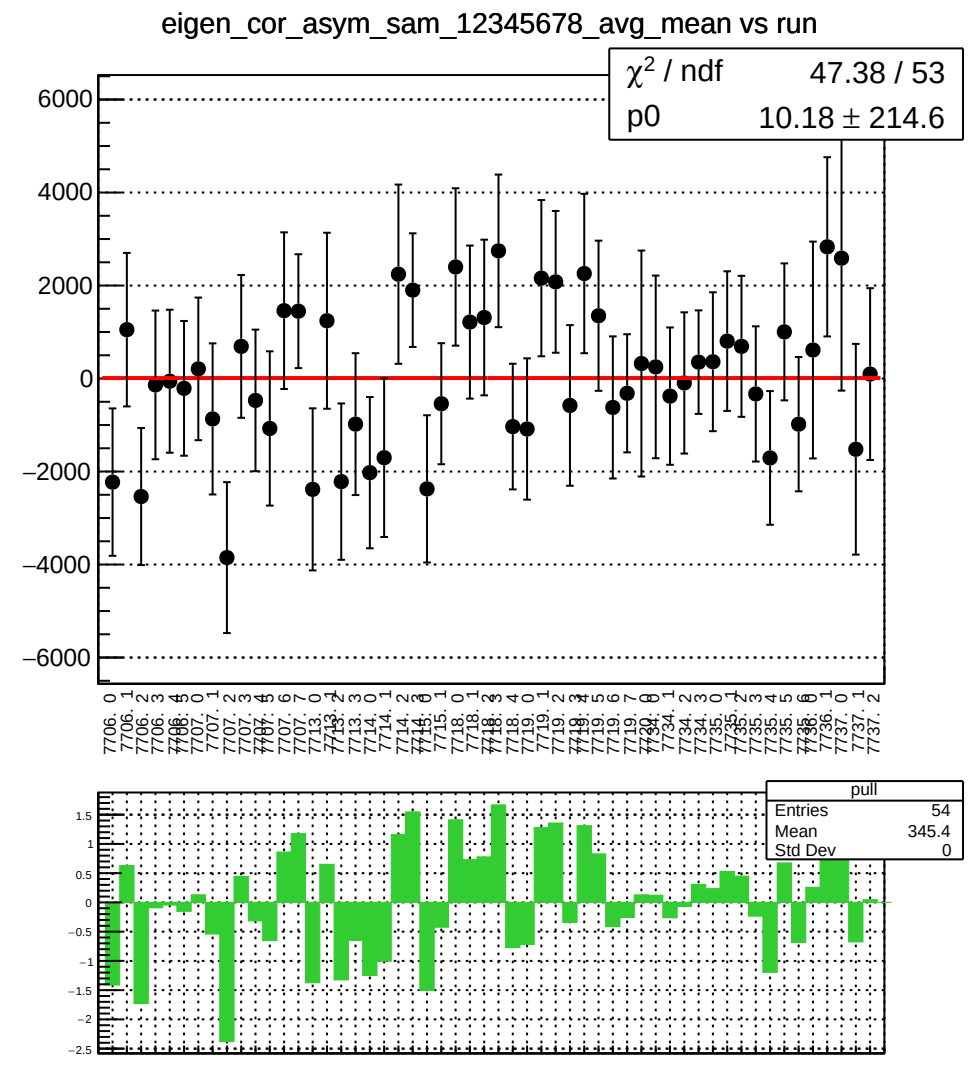

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.38 / 53
p0 10.18 ± 214.6
pull
Entries 54
Mean 345.4
Std Dev 0

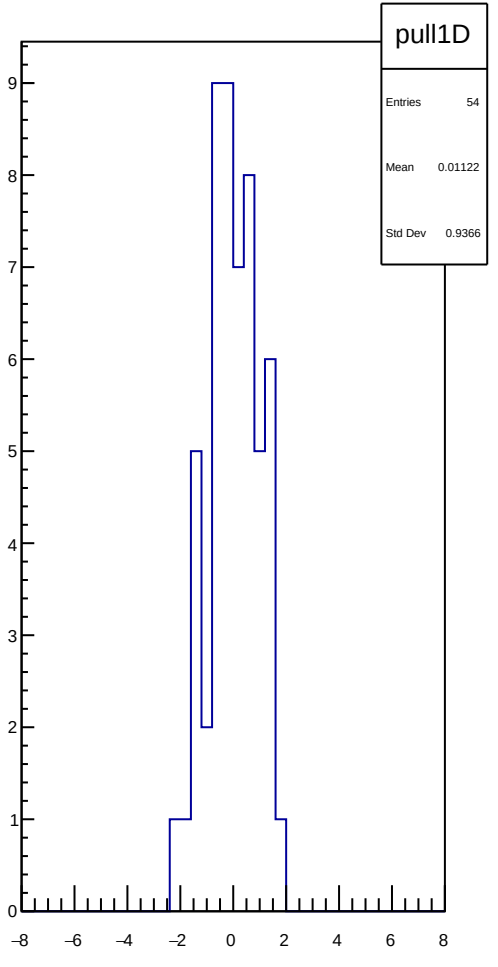

pull1D
Entries 54
Mean 0.01122
Std Dev 0.9366

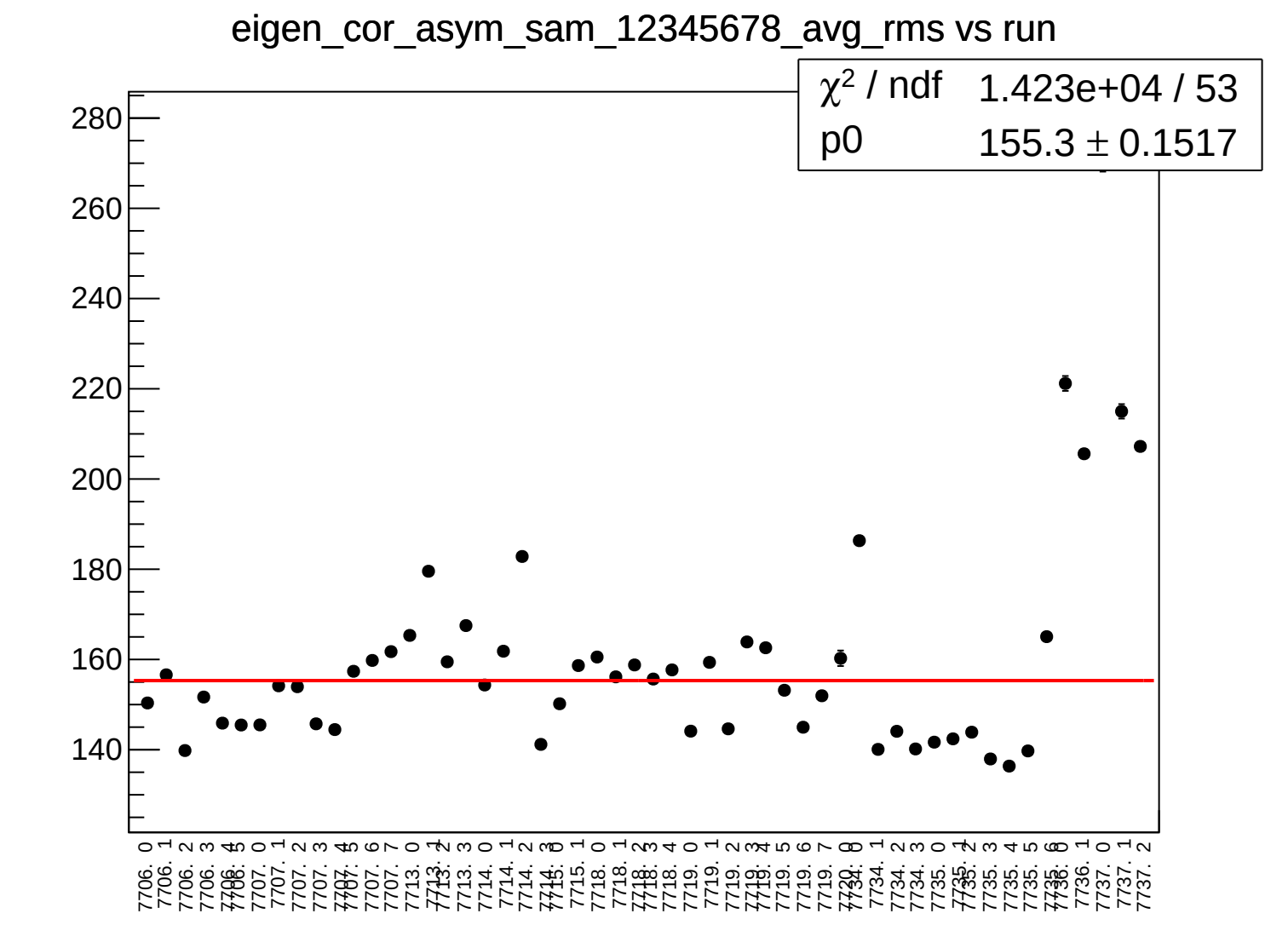

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.423e+04 / 53
p0 155.3 ± 0.1517
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

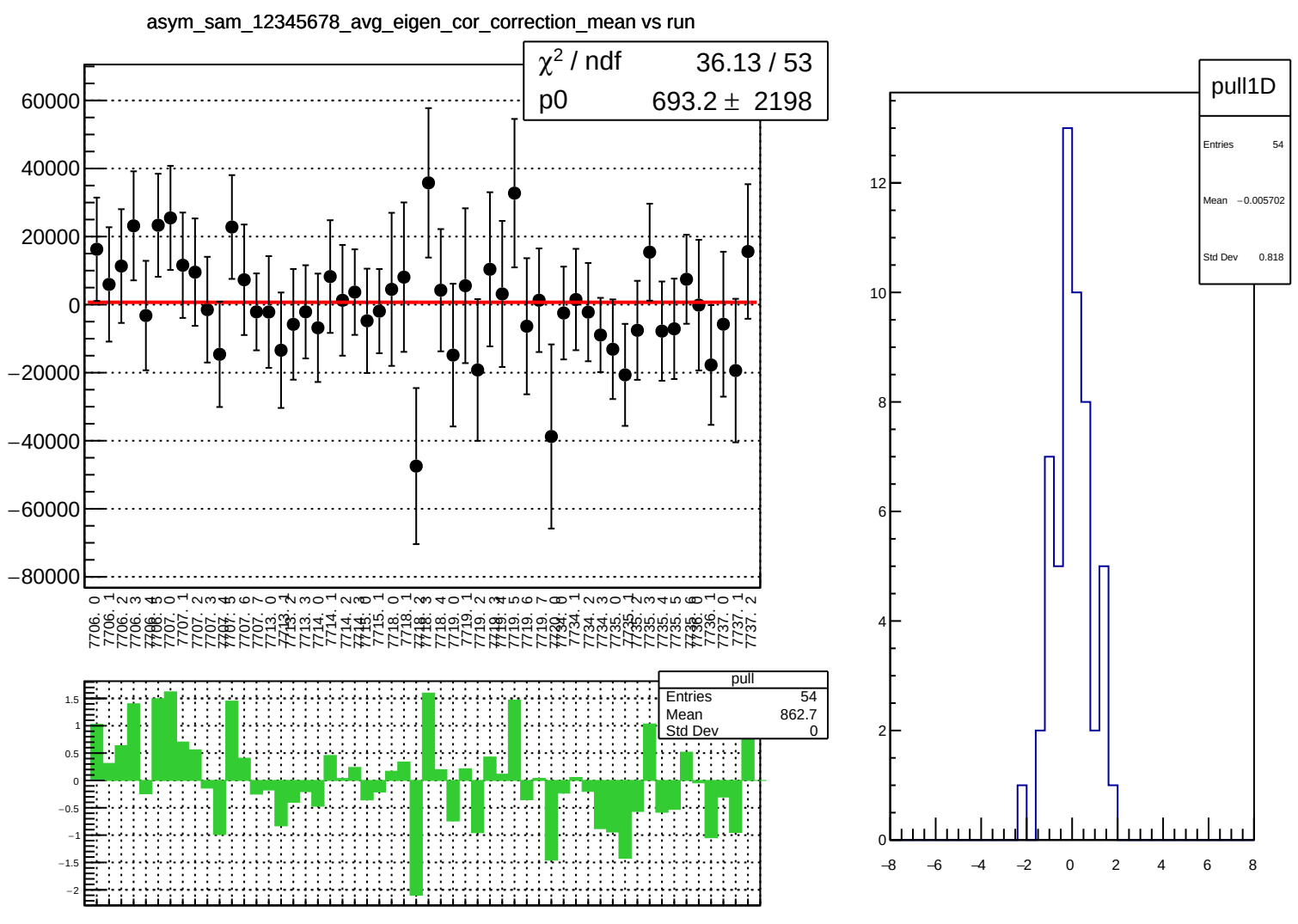

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 36.13 / 53
p0 693.2 ± 2198
pull
Entries 54
Mean 862.7
Std Dev 0
pull1D
Entries 54
Mean −0.005702
Std Dev 0.818

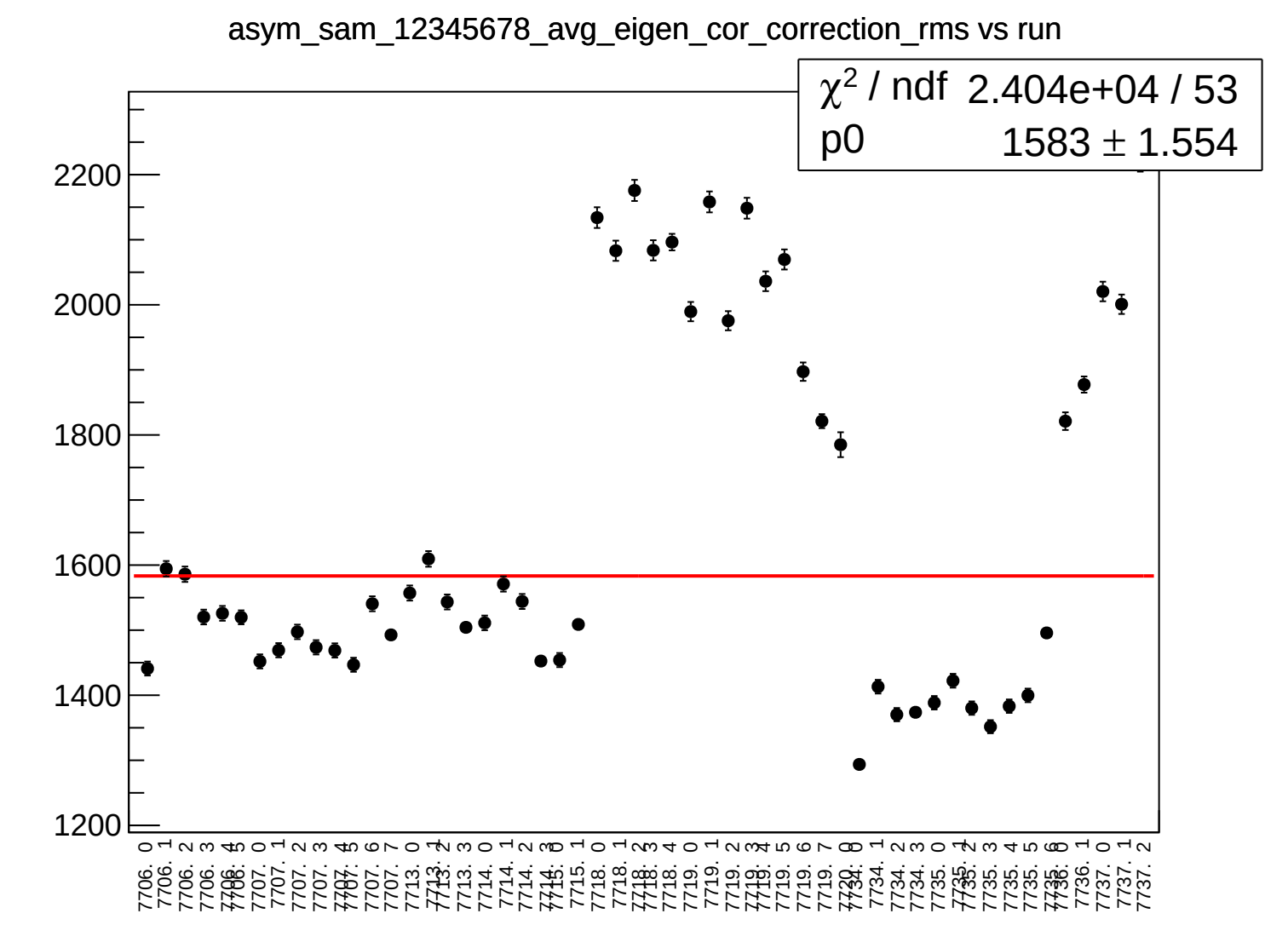

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 2.404e+04 / 53
p0 1583 ± 1.554
2200
2000
1800
1600
1400
1200

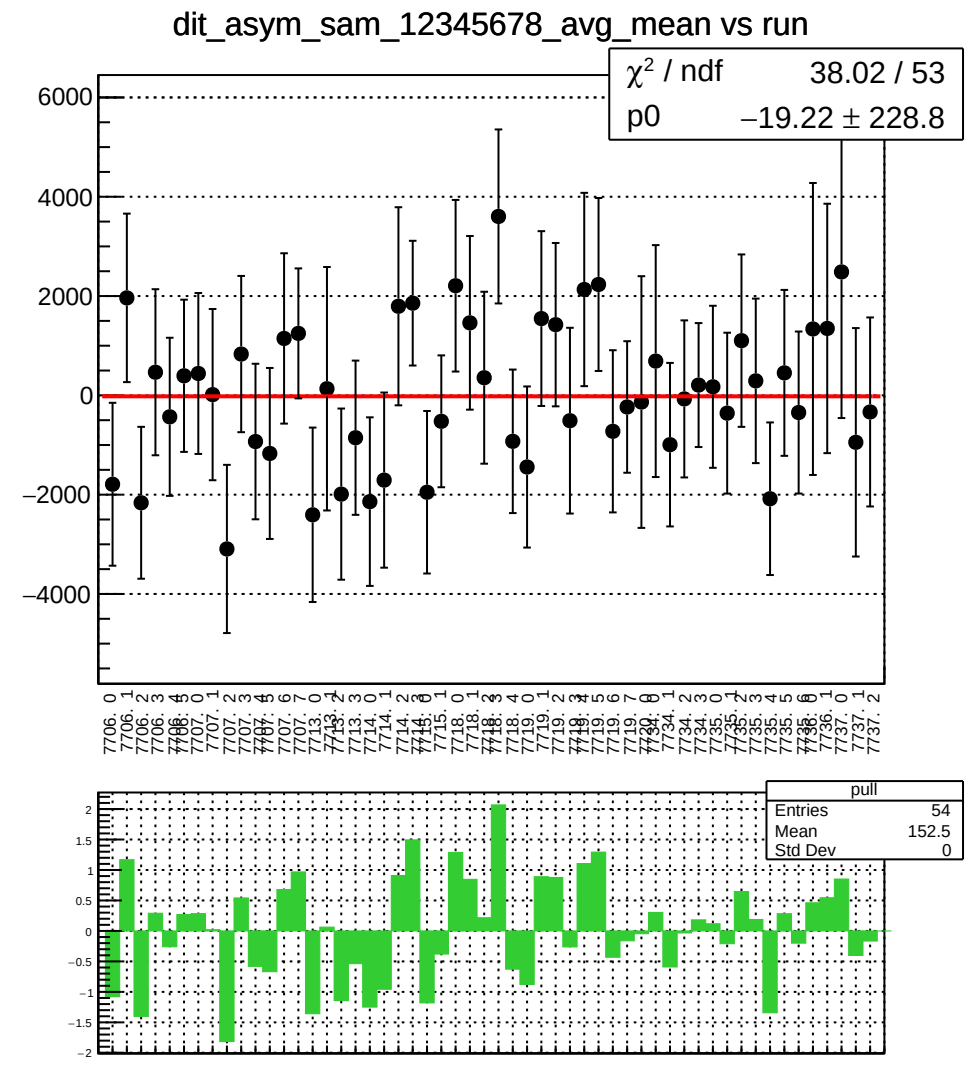

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.38 / 53
p0 10.18 ± 214.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 345.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

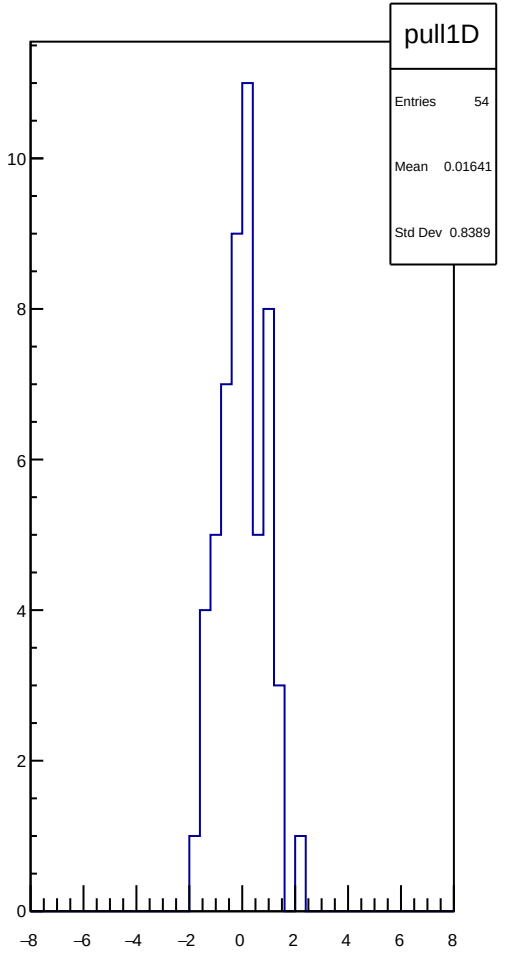

pull1D
Entries 54
Mean 0.01122
Std Dev 0.9366
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

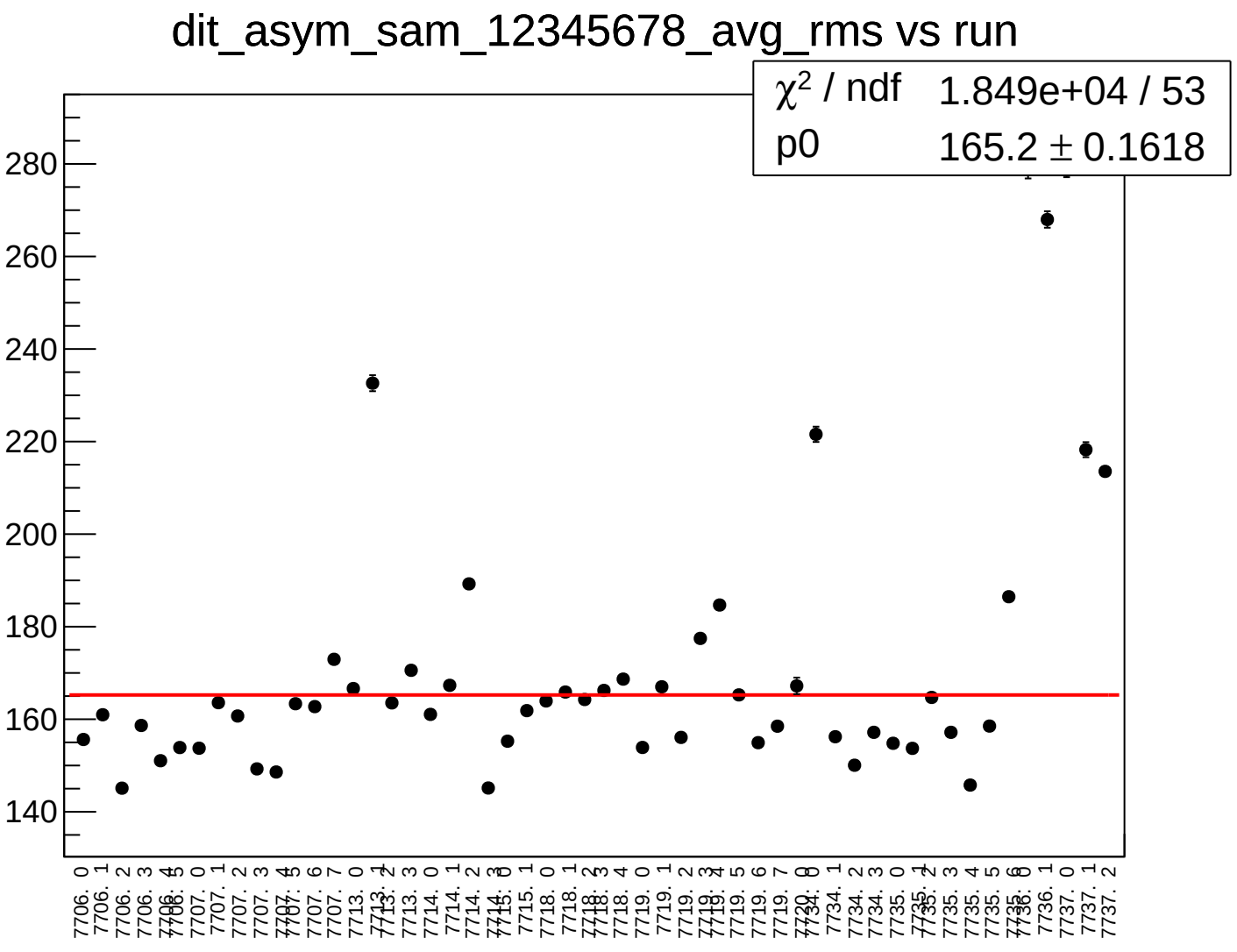

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.423e+04 / 53
p0 155.3 ± 0.1517
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

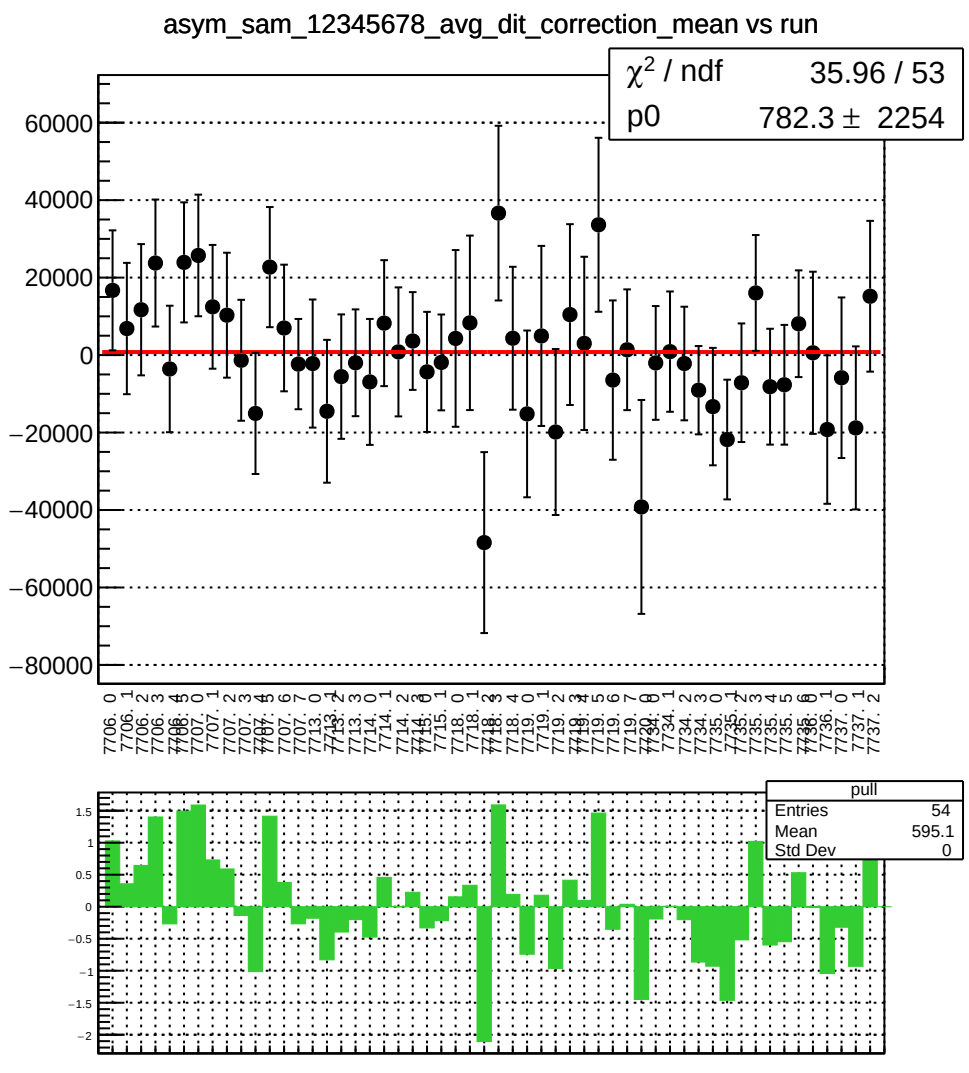

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 36.13 / 53
p0 693.2 ± 2198
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 862.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.005702
Std Dev 0.818
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

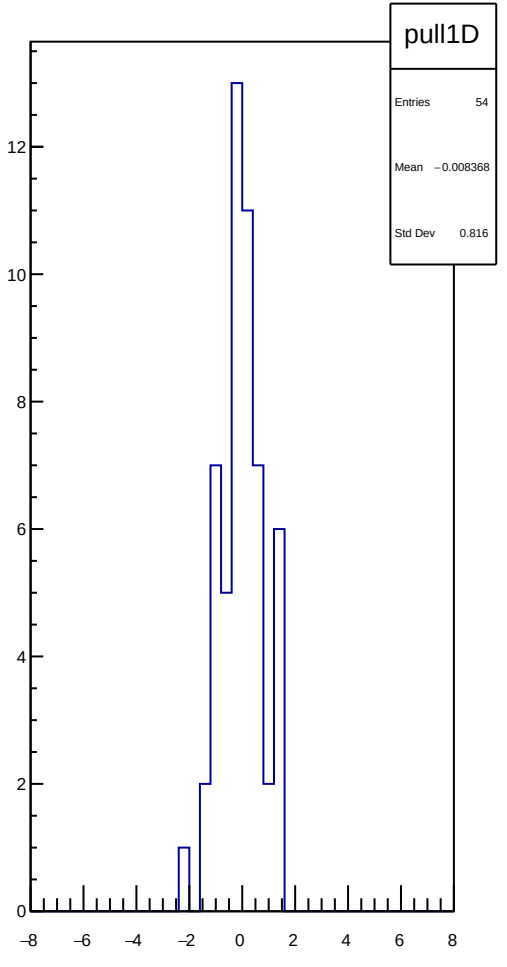

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.404e+04 / 53
p0 1583 ± 1.554
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

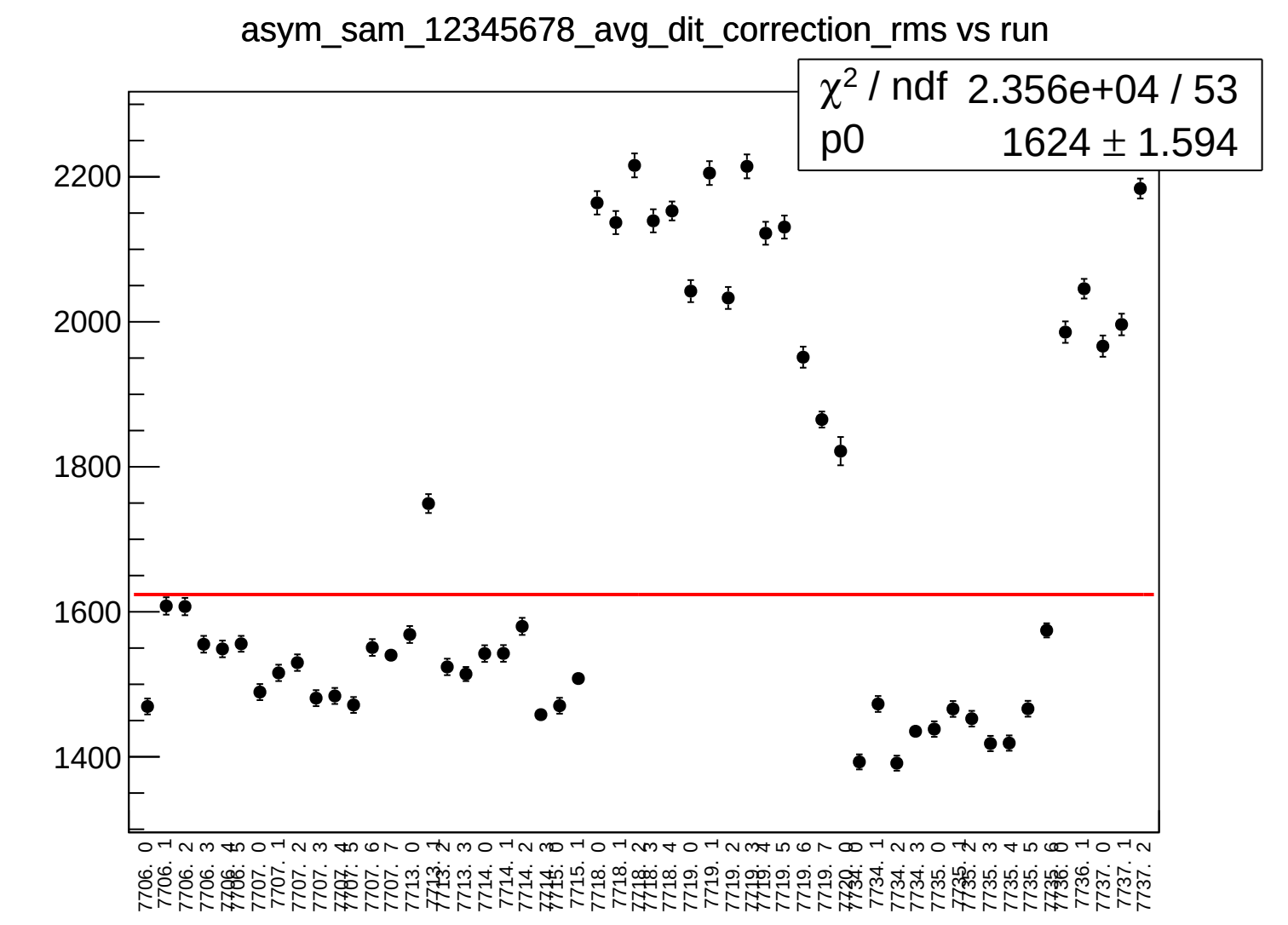

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 38.02 / 53
p0 −19.22 ± 228.8
pull
Entries 54
Mean 152.5
Std Dev 0

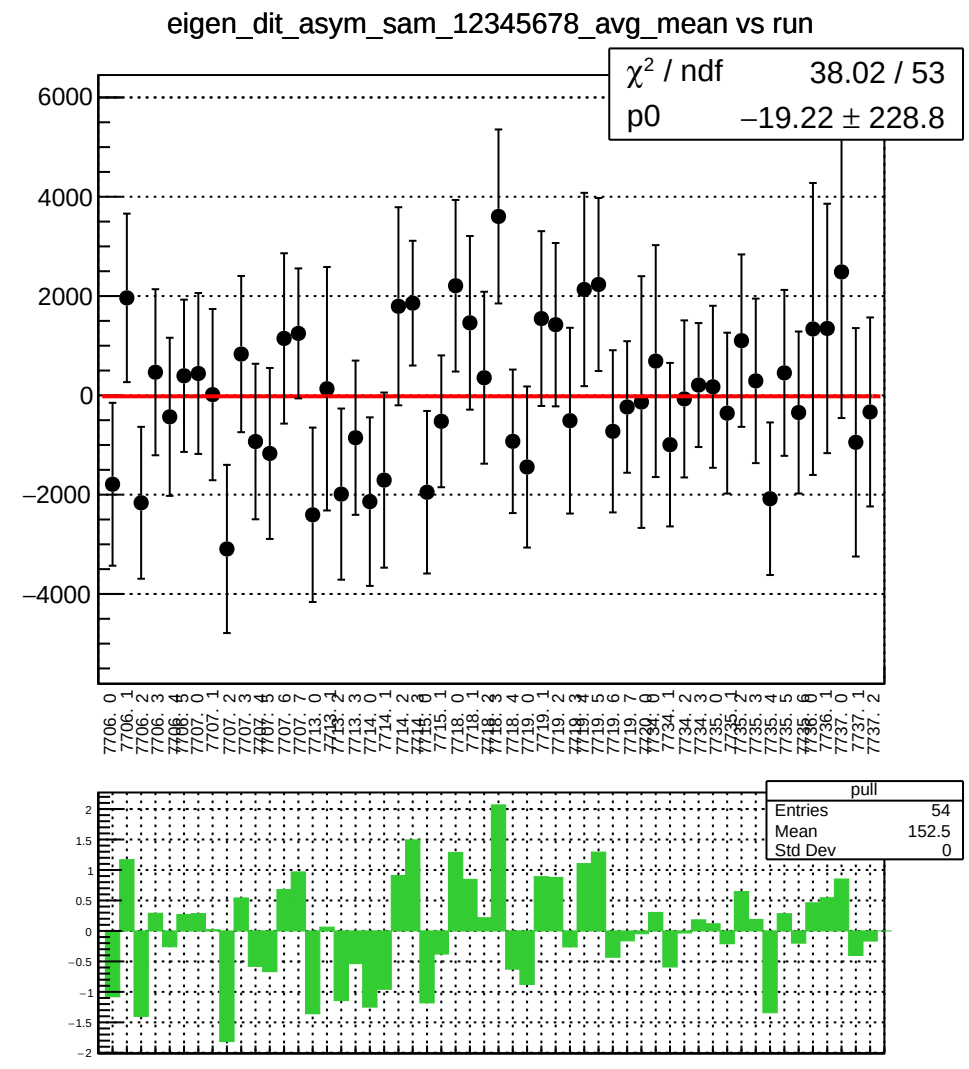

pull1D
Entries 54
Mean 0.01641
Std Dev 0.8389

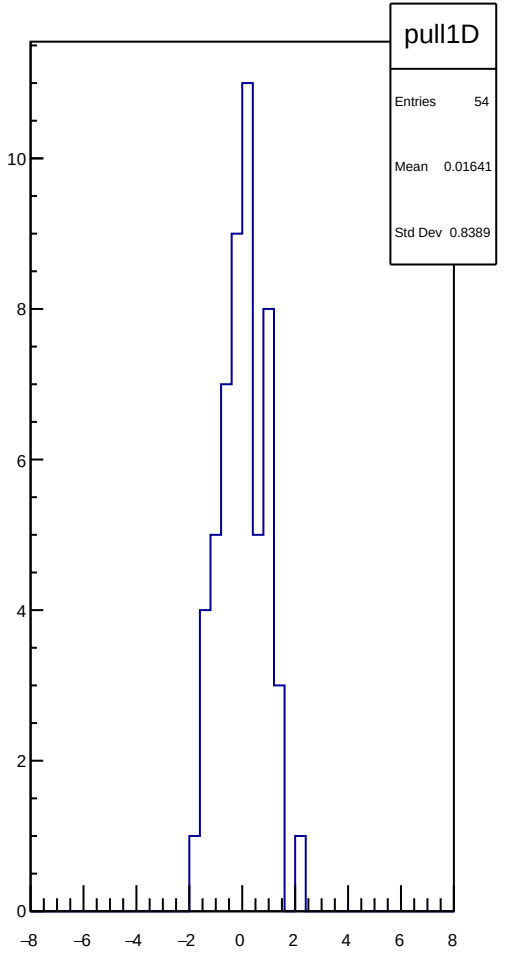

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.849e+04 / 53
p0 165.2 ± 0.1618
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

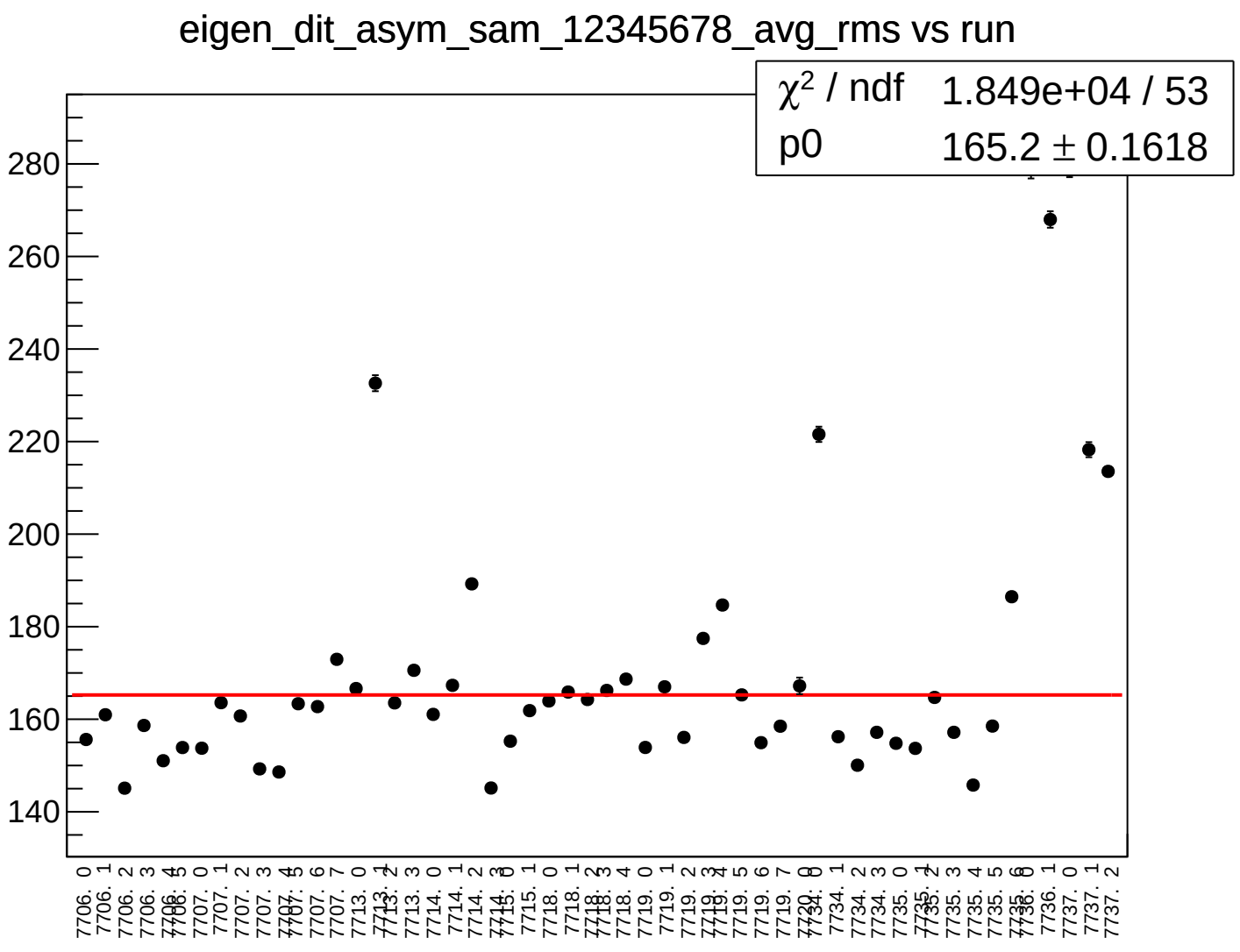

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 35.96 / 53
p0 782.3 ± 2254
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 595.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

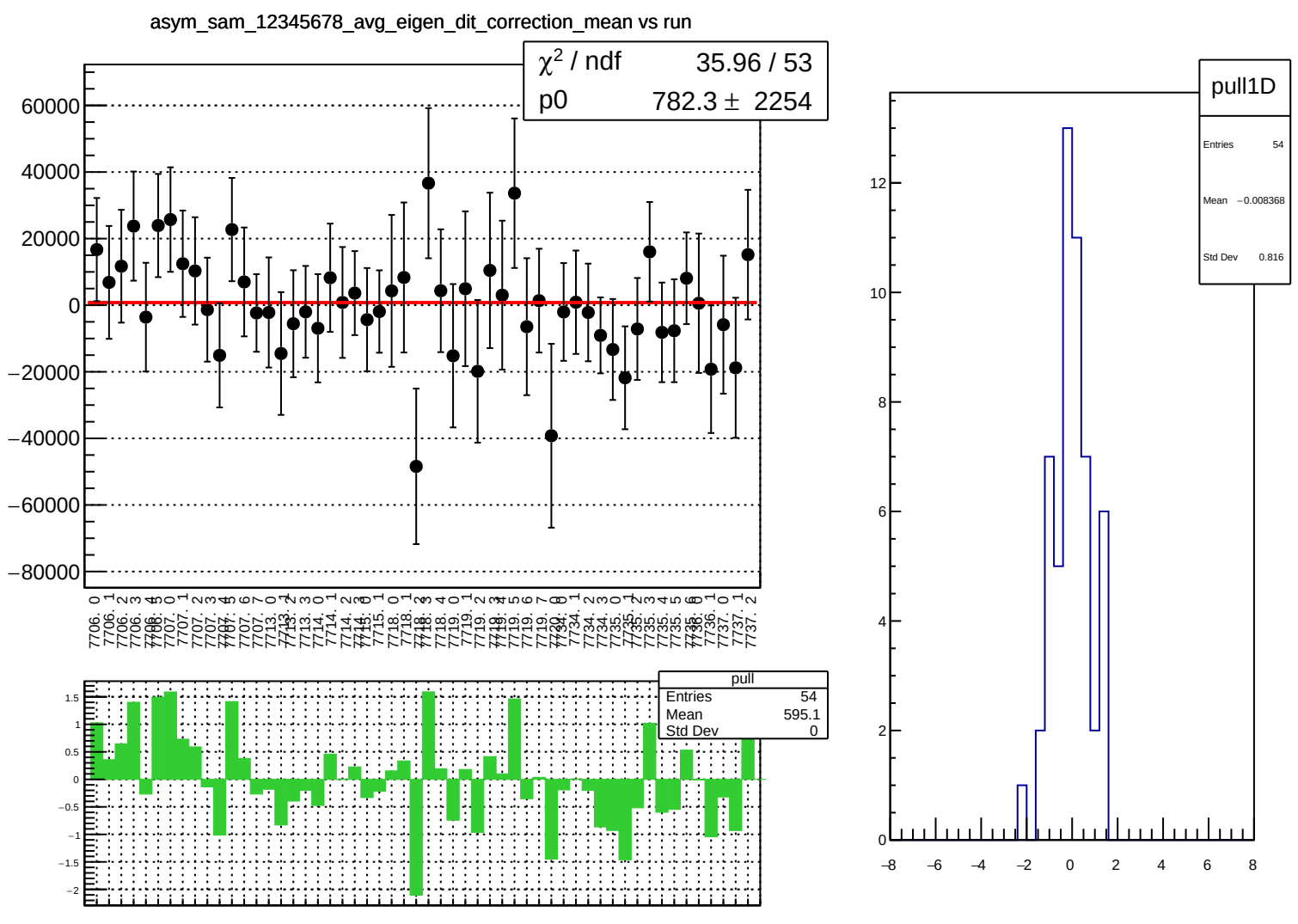

pull1D
Entries 54
Mean −0.008368
Std Dev 0.816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

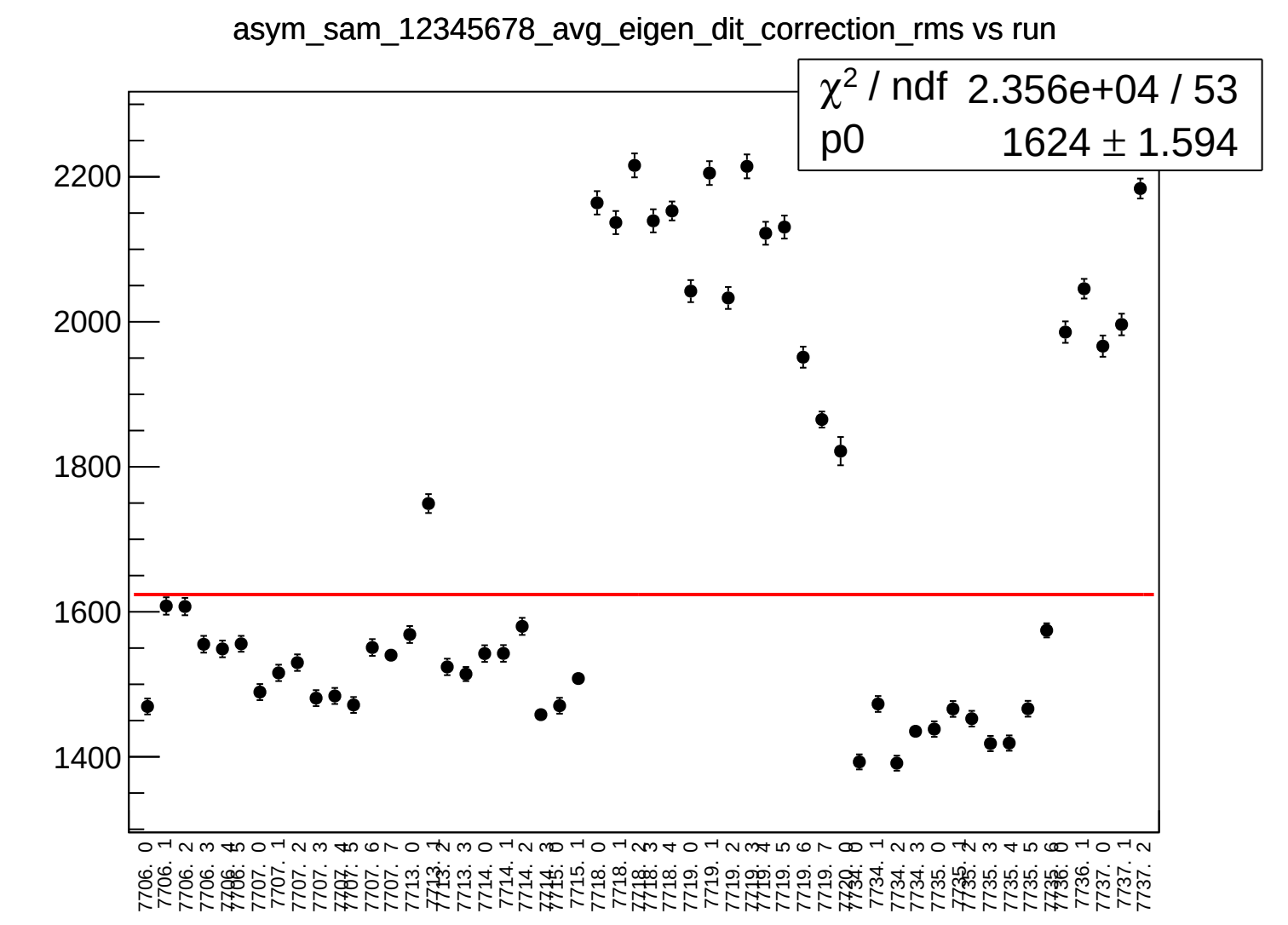

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2.356e+04 / 53
p0 1624 ± 1.594
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

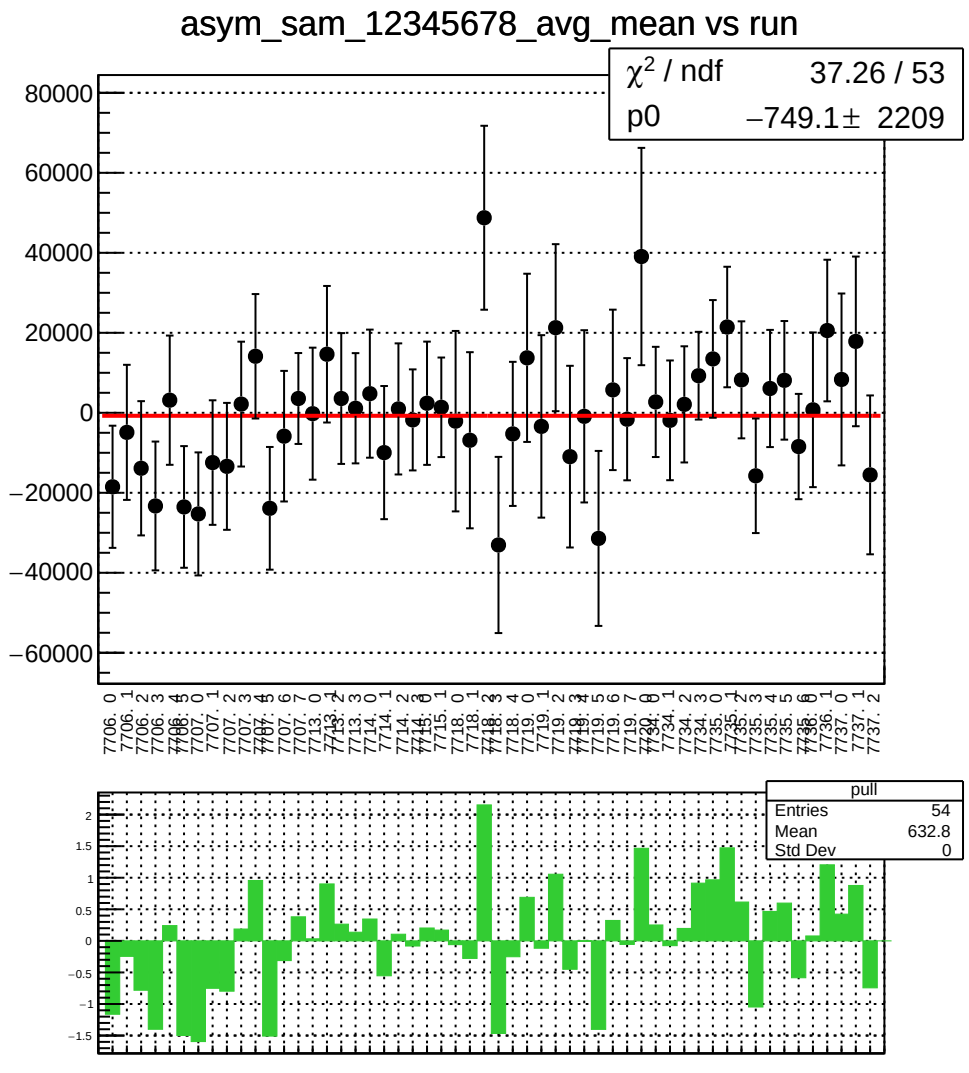

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 38.02 / 53
p0 −19.22 ± 228.8
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 152.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

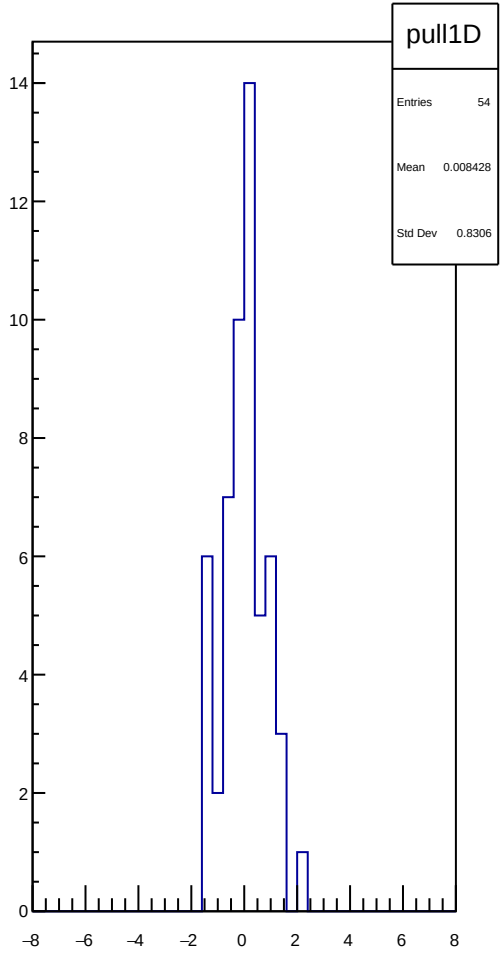

pull1D
Entries 54
Mean 0.01641
Std Dev 0.8389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

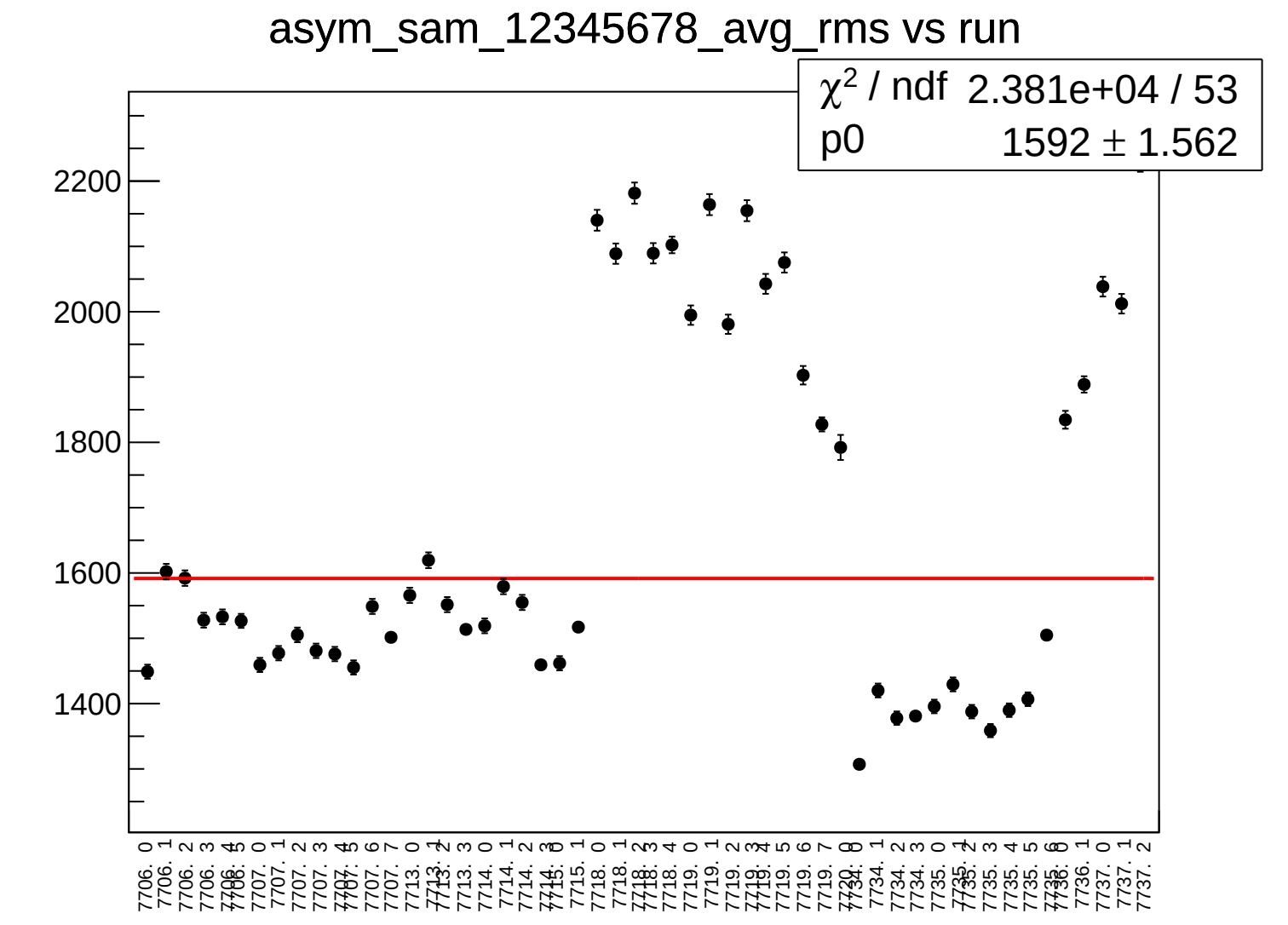

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.849e+04 / 53
p0 165.2 ± 0.1618
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

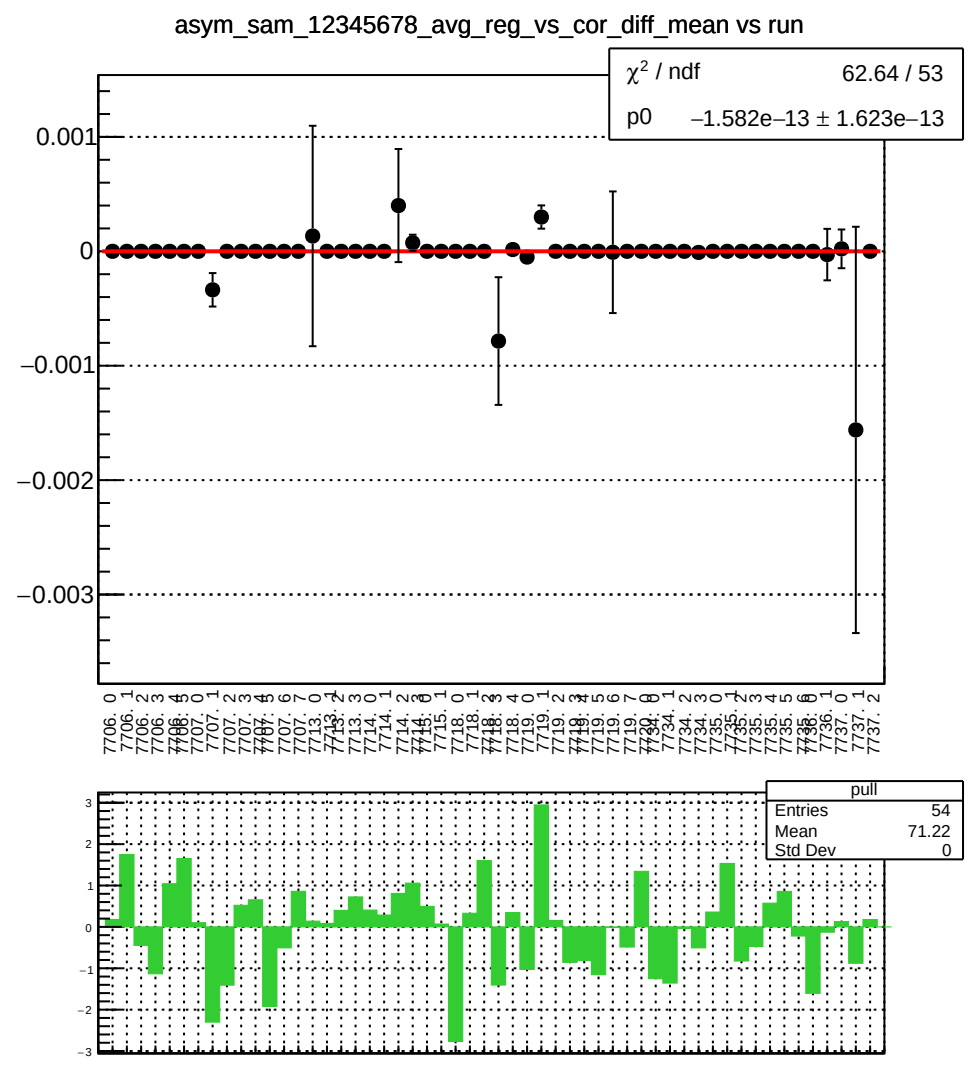

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 35.96 / 53
p0 782.3 ± 2254
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 595.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.008368
Std Dev 0.816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

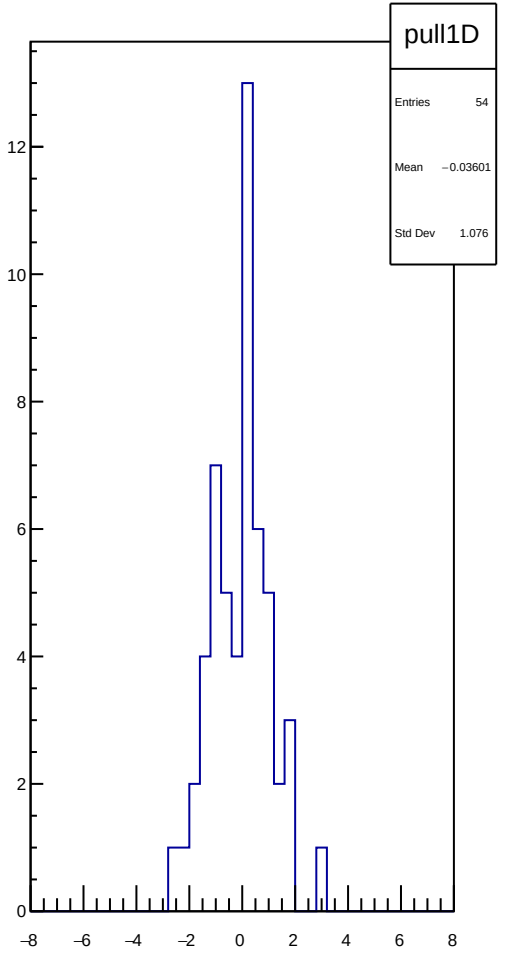

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.356e+04 / 53
p0 1624 ± 1.594
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

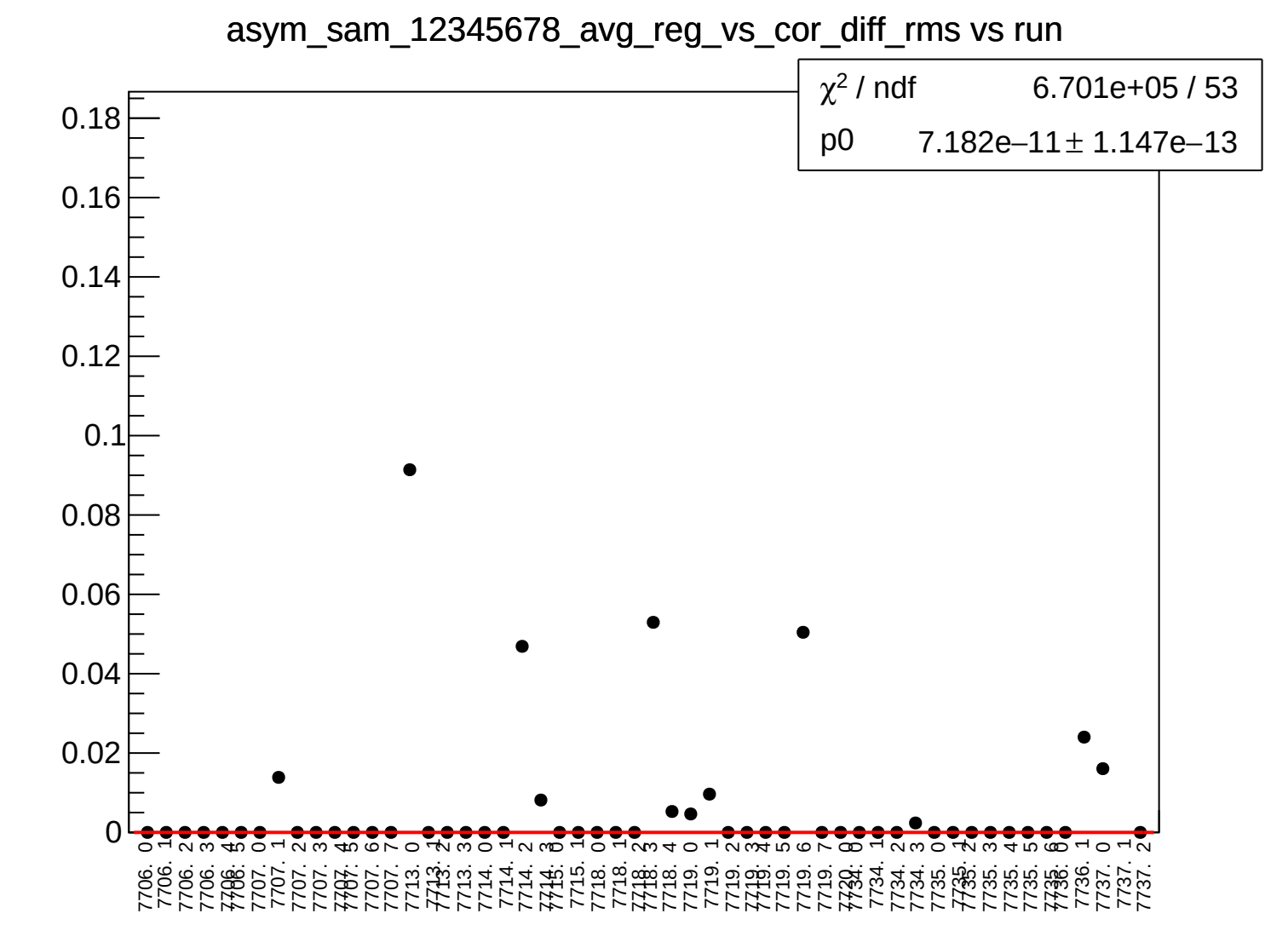

asym_sam_12345678_avg_mean vs run
χ² / ndf 37.26 / 53
p0 −749.1± 2209
pull
Entries 54
Mean 632.8
Std Dev 0

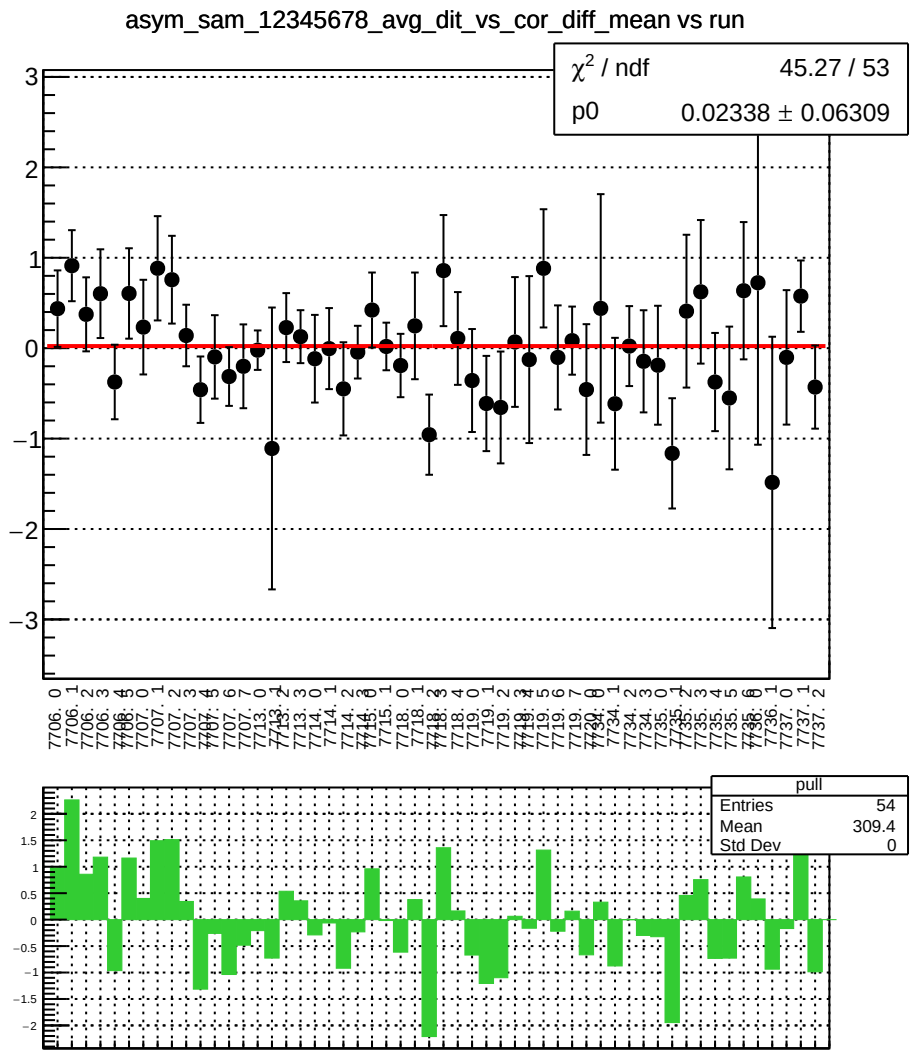

pull1D
Entries 54
Mean 0.008428
Std Dev 0.8306

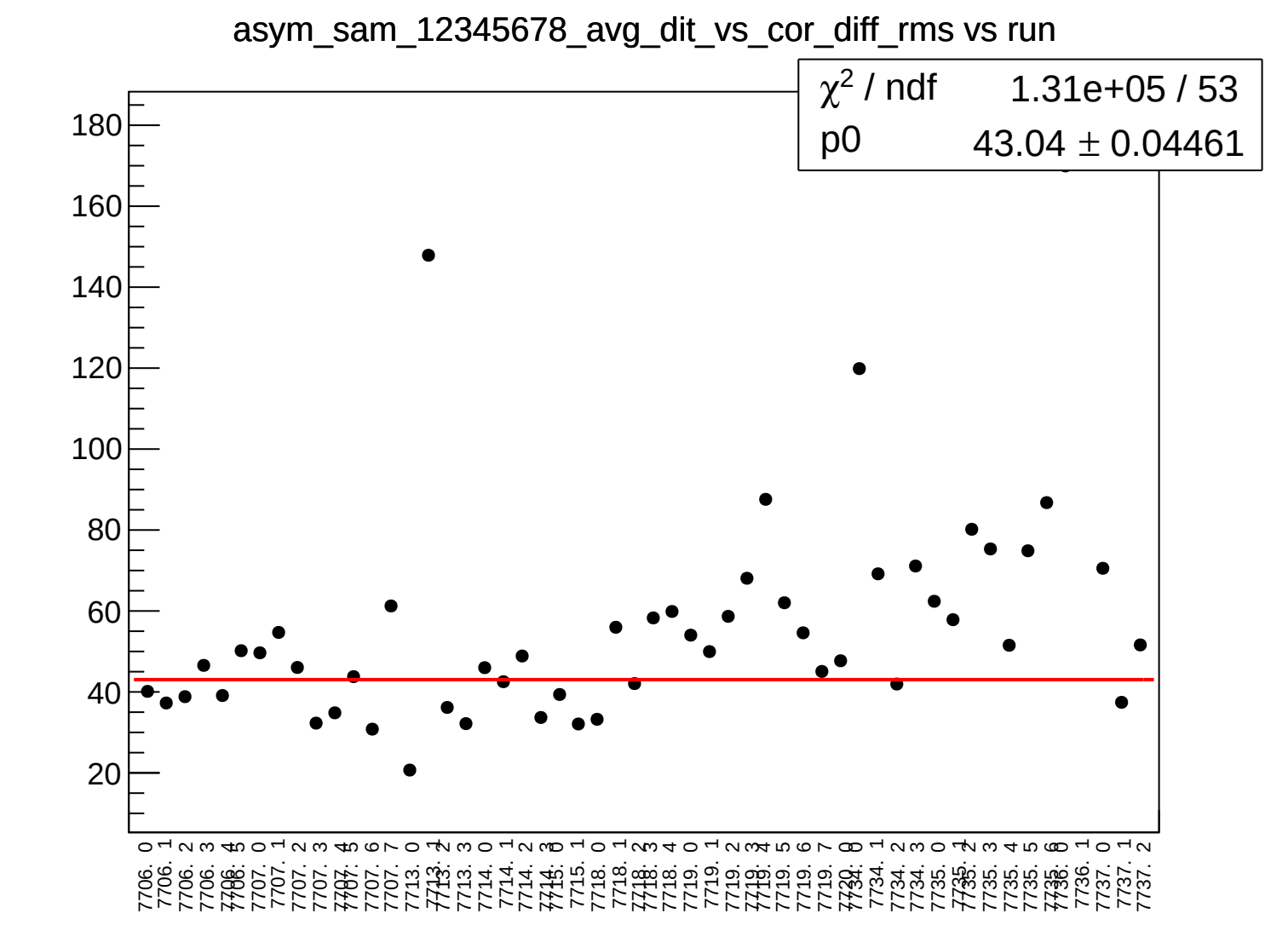

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.381e+04 / 53
p0 1592 ± 1.562
2200
2000
1800
1600
1400

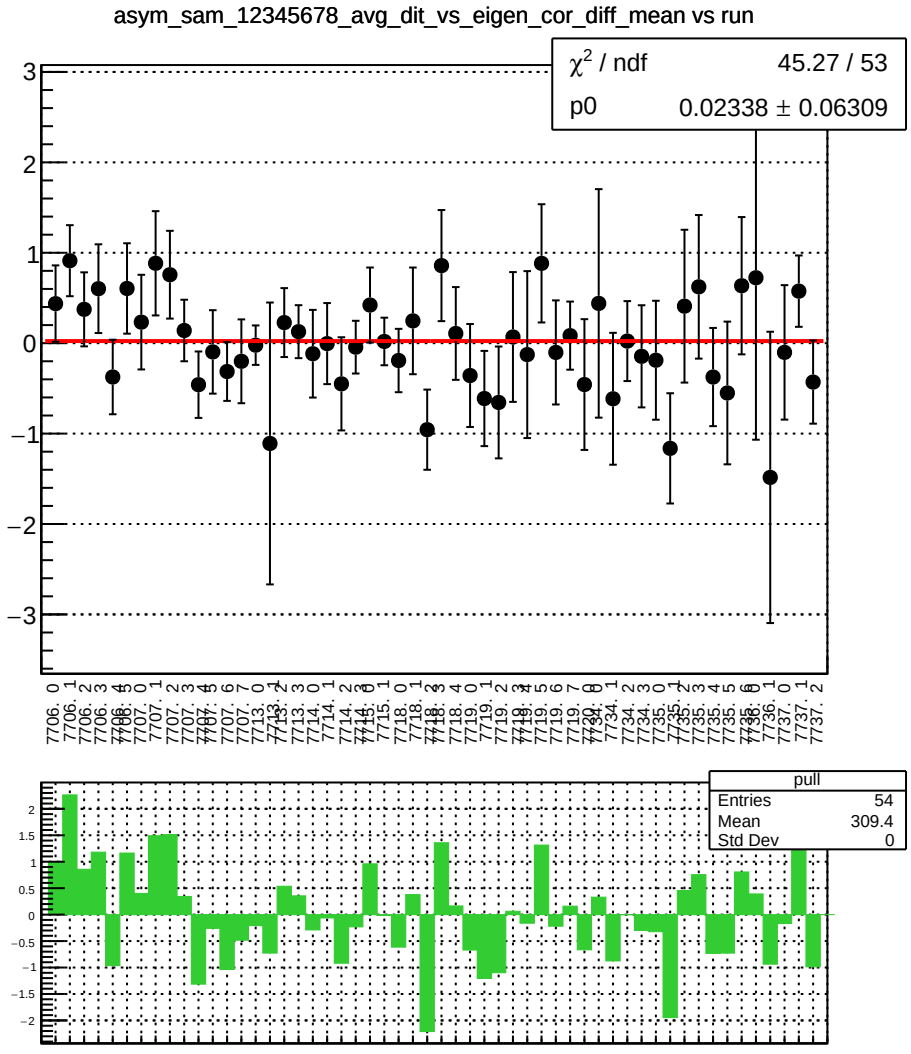

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.64 / 53
p0 −1.582e−13 ± 1.623e−13
0.001
0
−0.001
−0.002
−0.003
pull
Entries 54
Mean 71.22
Std Dev 0

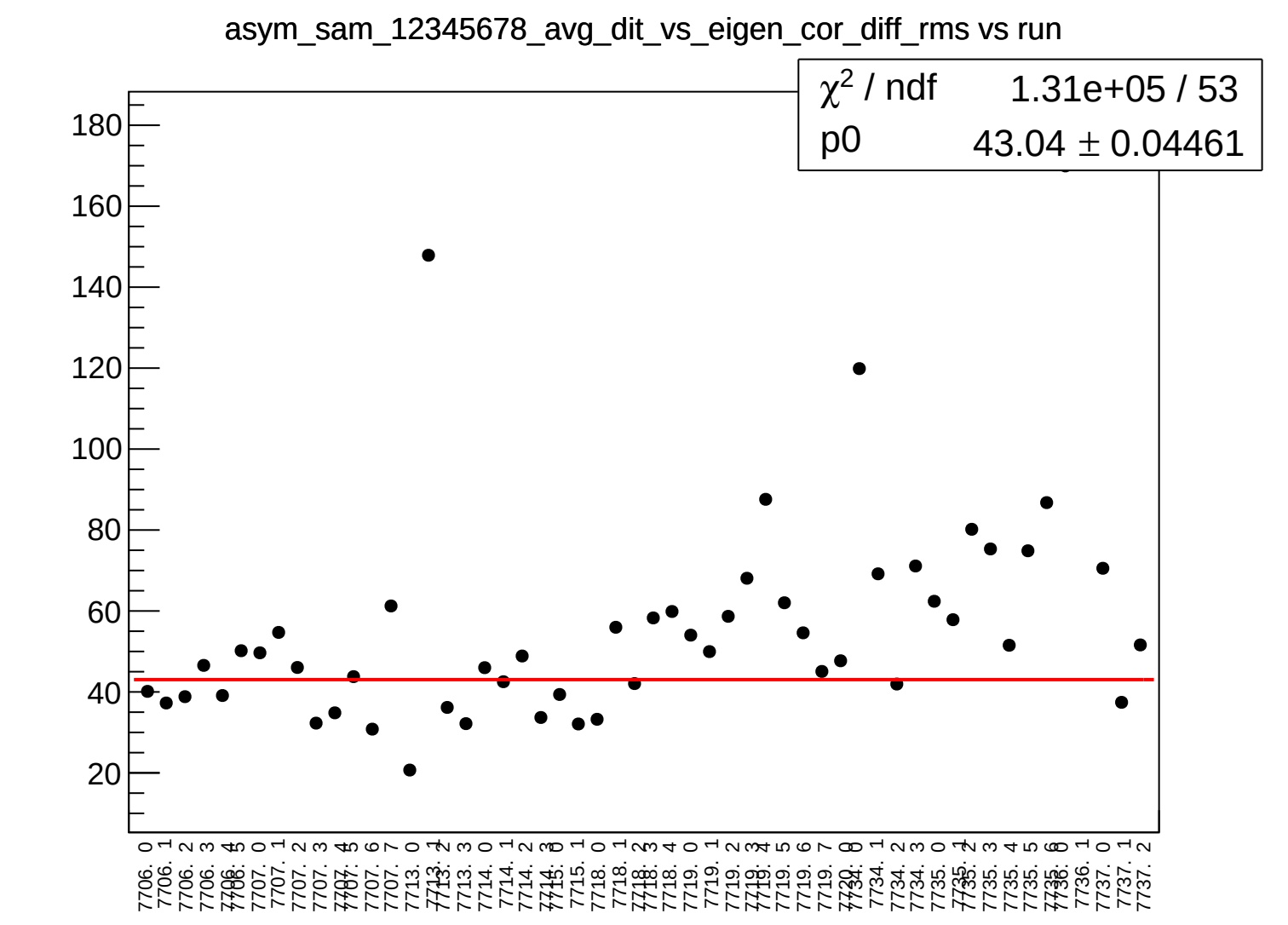

pull1D
Entries 54
Mean −0.03601
Std Dev 1.076

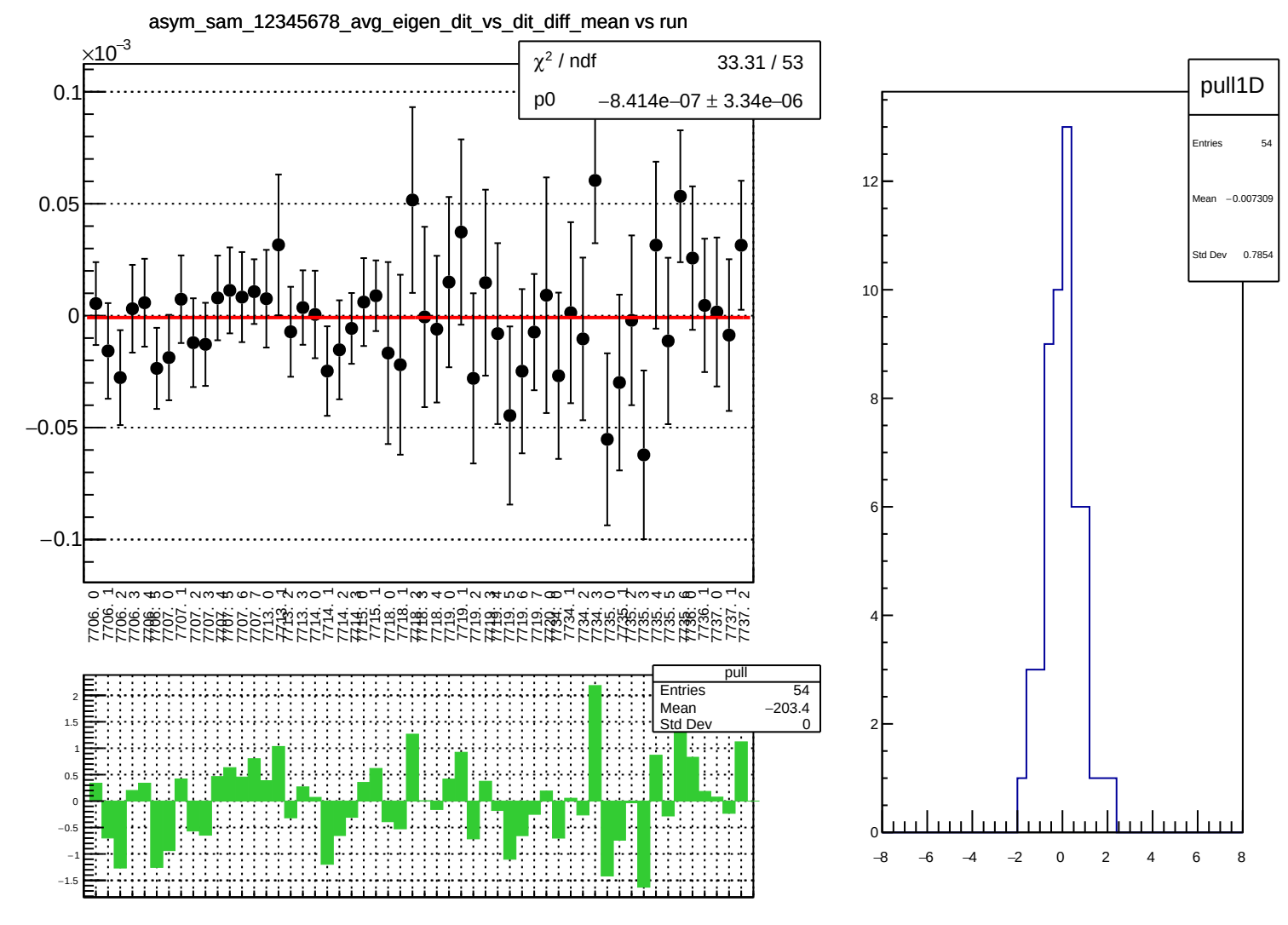

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.701e+05 / 53
p0 7.182e−11 ± 1.147e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

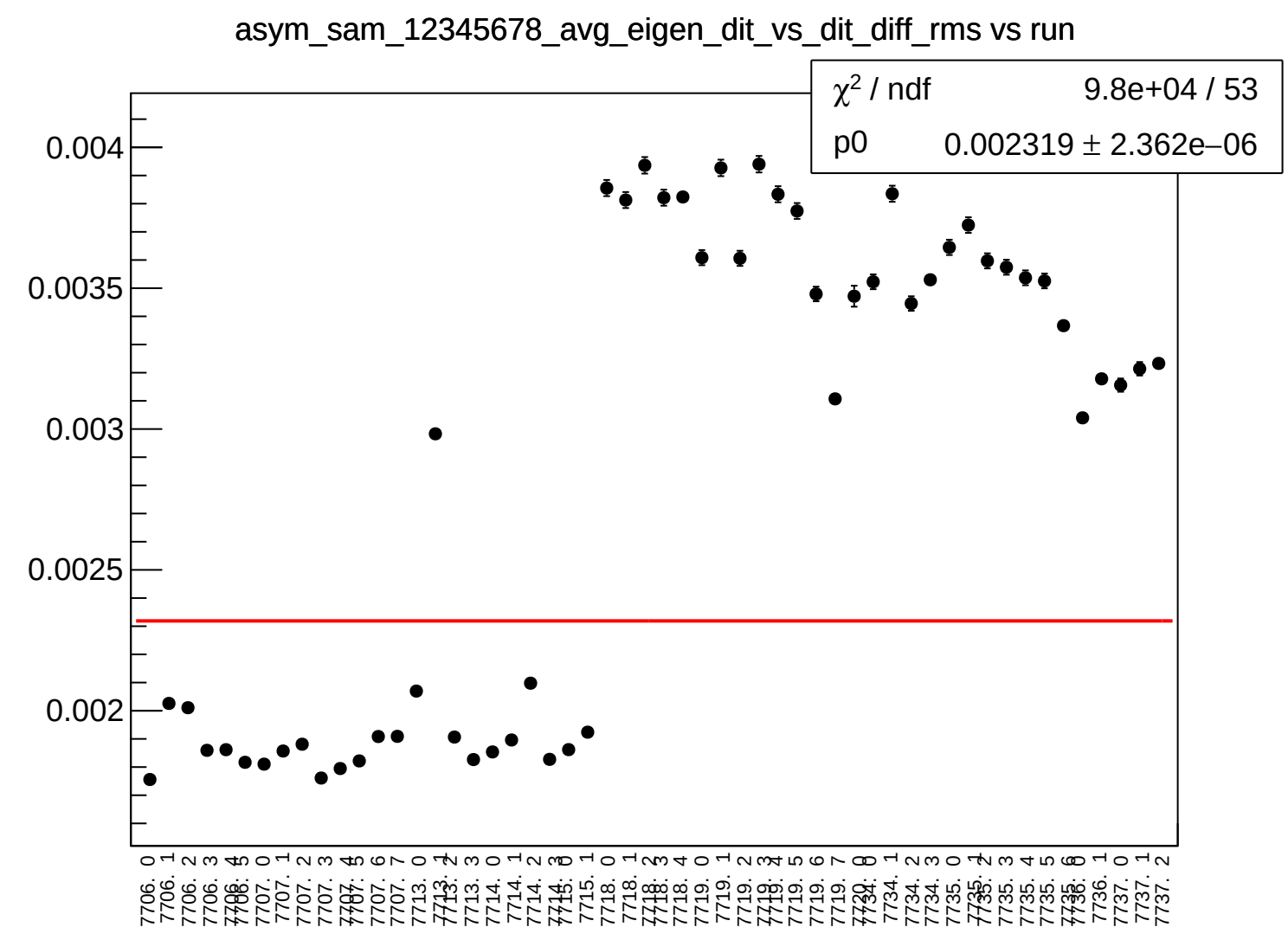

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.27 / 53
p0 0.02338 ± 0.06309
pull
Entries 54
Mean 309.4
Std Dev 0
pull1D
Entries 54
Mean −0.01339
Std Dev 0.9155

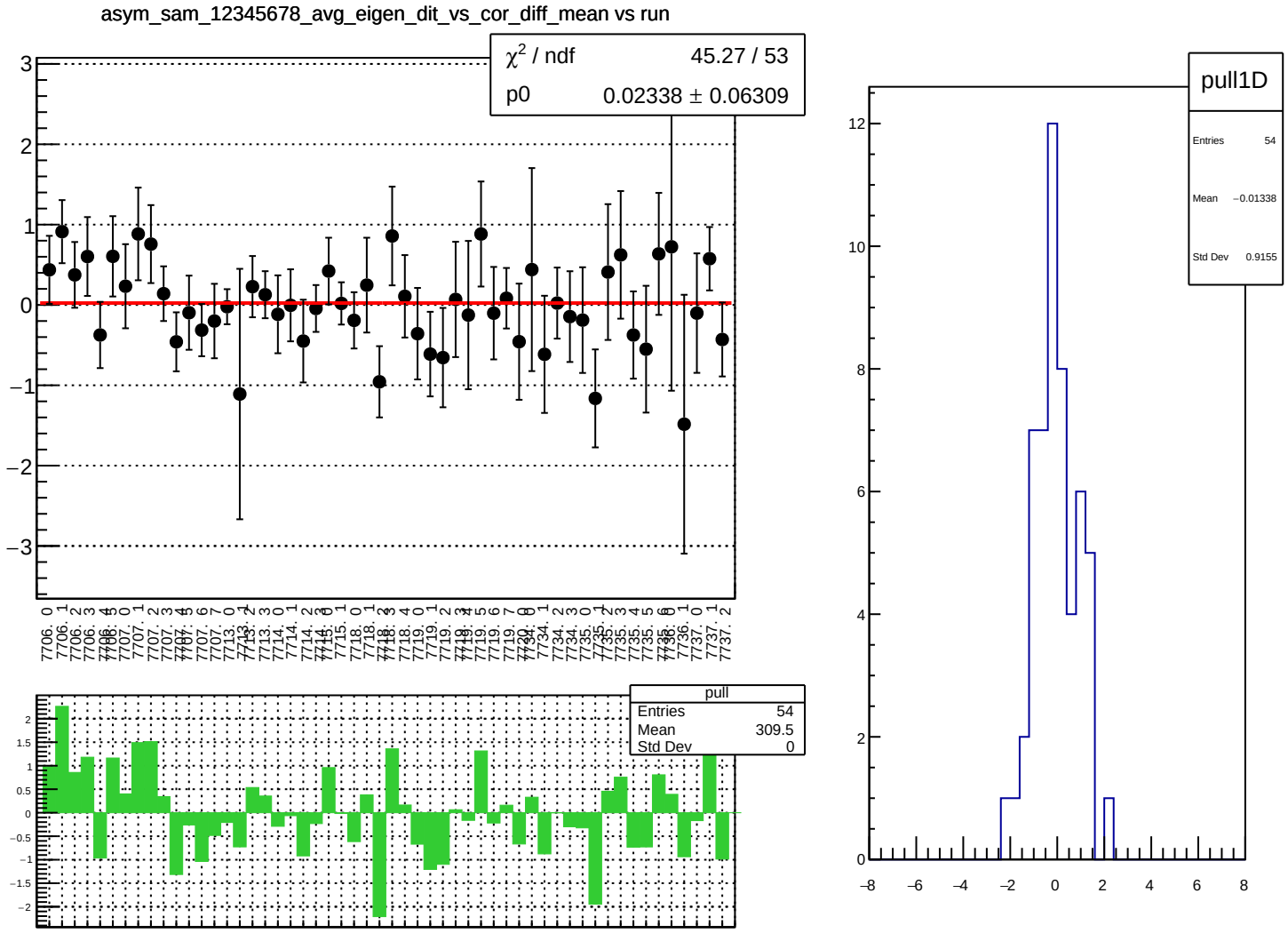

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.31e+05 / 53
p0 43.04 ± 0.04461
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

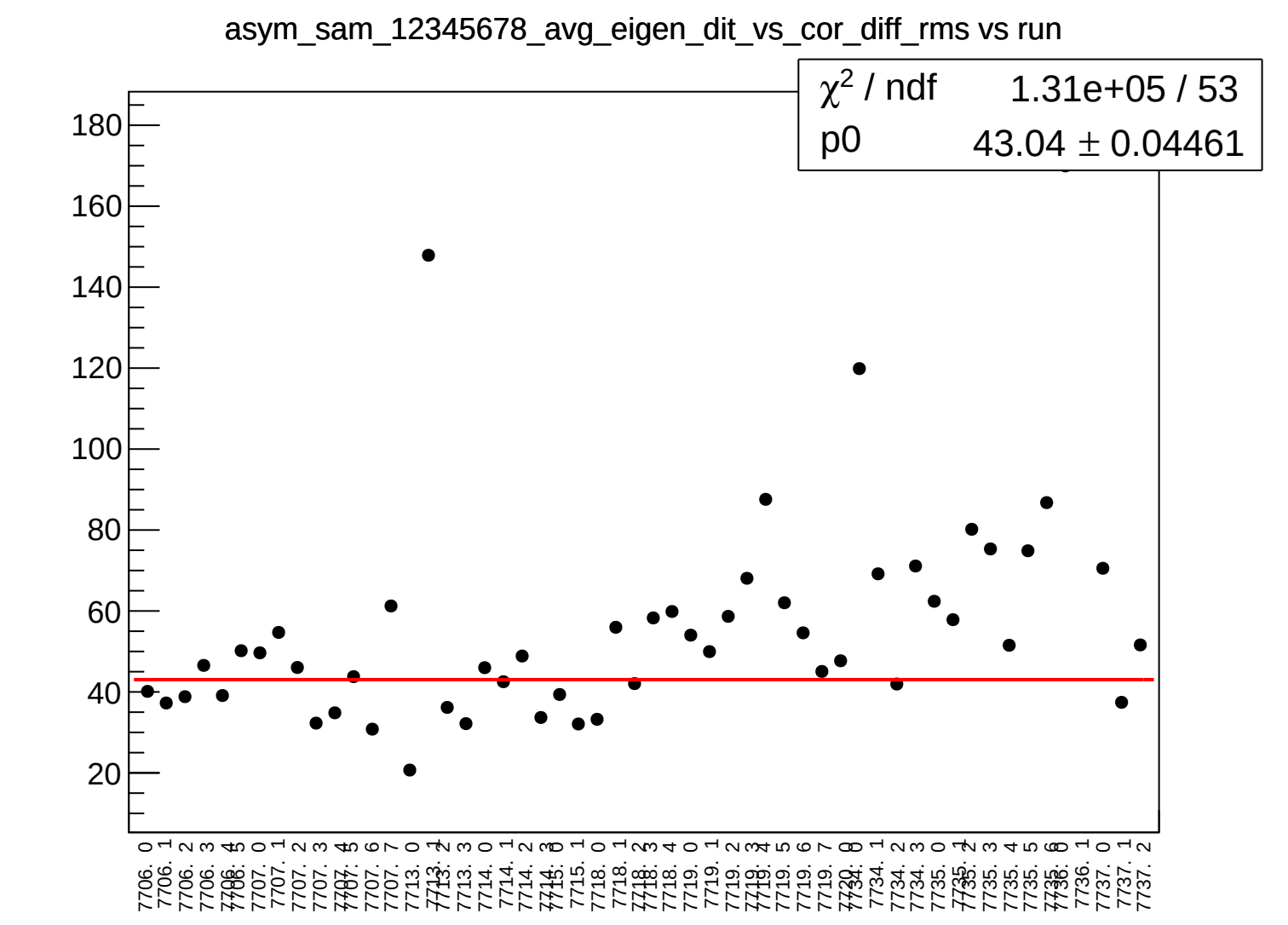

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.27 / 53
p0 0.02338 ± 0.06309
pull
Entries 54
Mean 309.4
Std Dev 0
pull1D
Entries 54
Mean −0.01339
Std Dev 0.9155

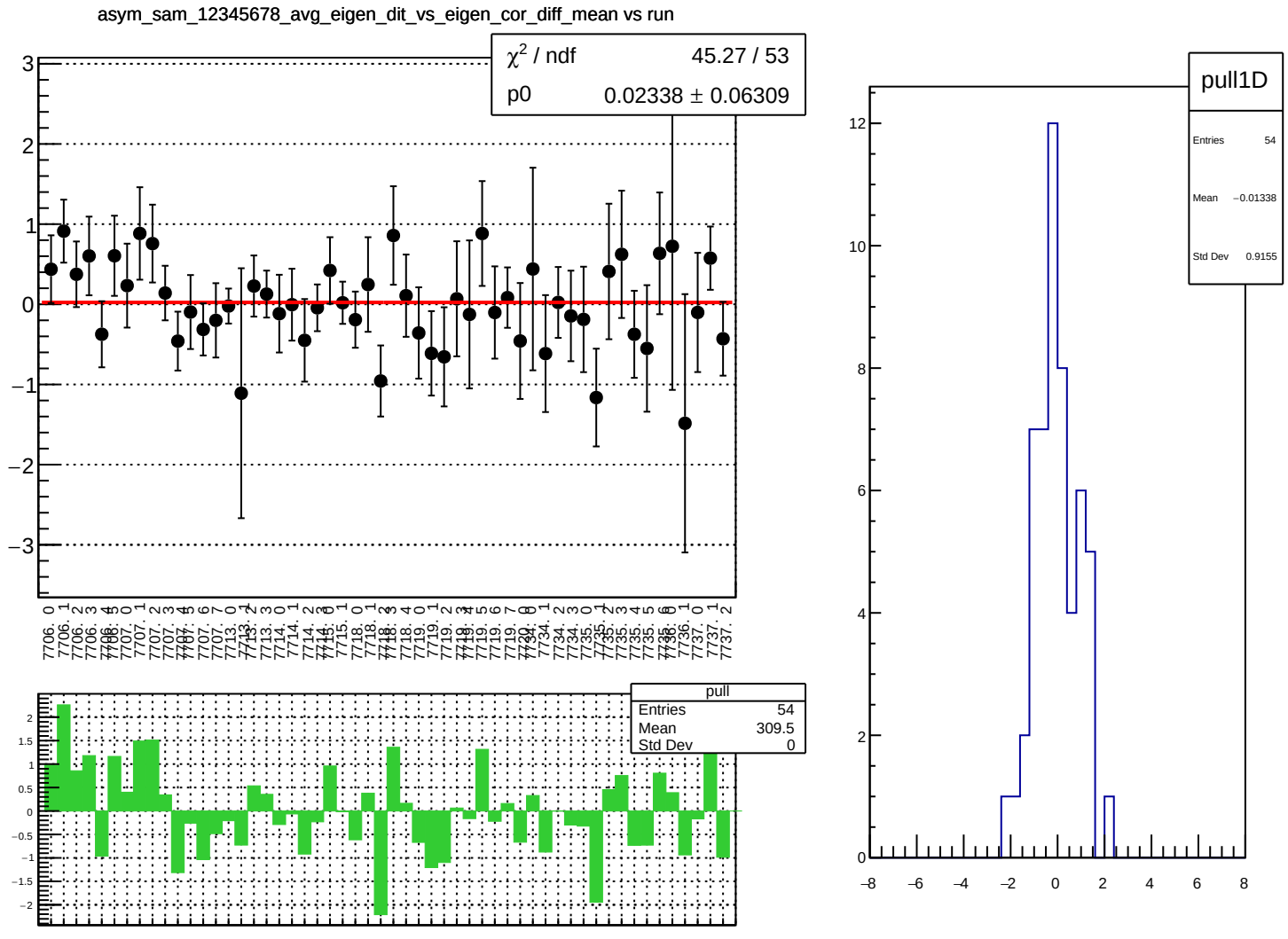

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 43.04 ± 0.04461
180
160
140
120
100
80
60
40
20

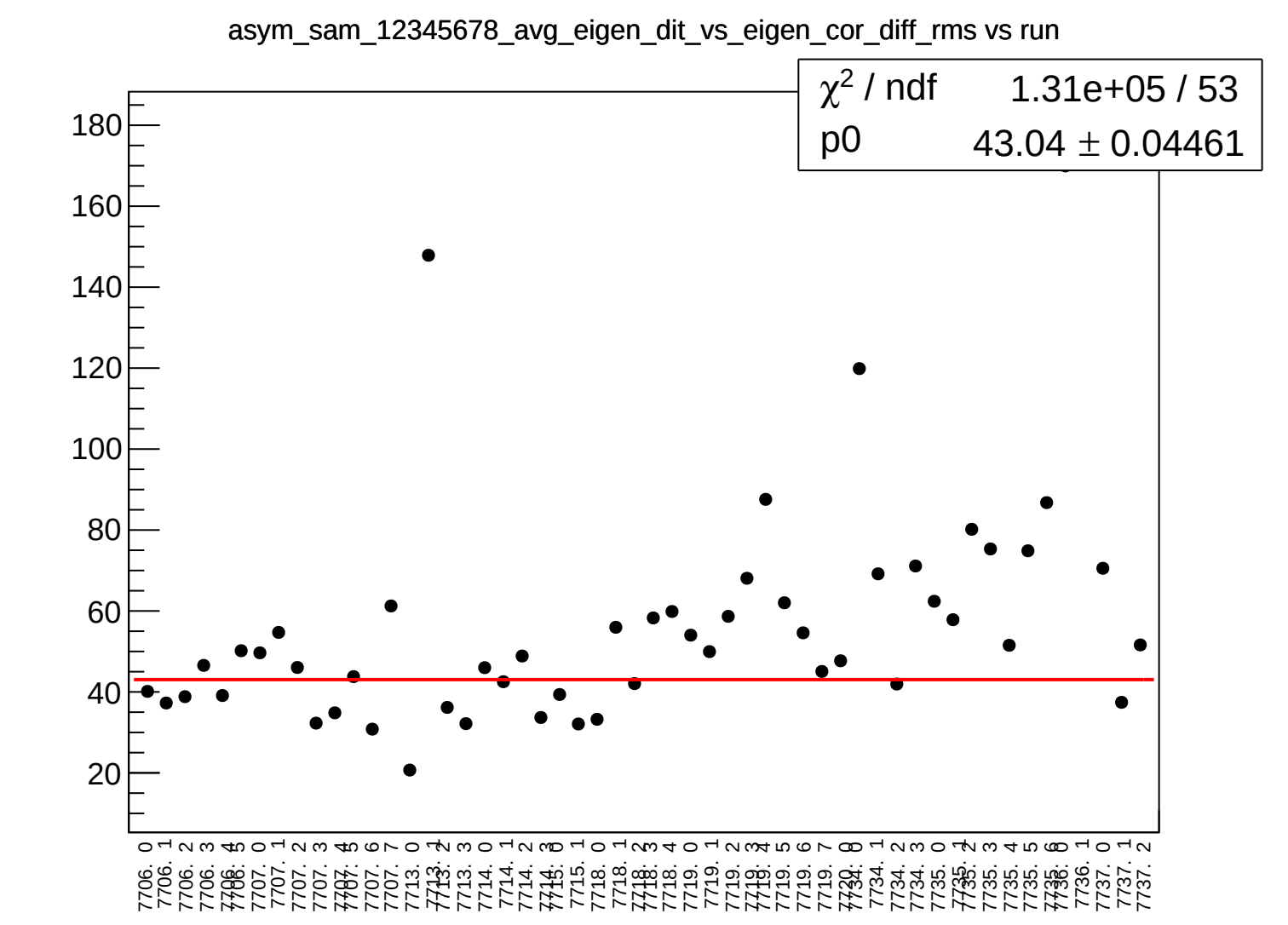

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.31 / 53
p0 −8.414e−07 ± 3.34e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −203.4
Std Dev 0
pull1D
Entries 54
Mean −0.007309
Std Dev 0.7854

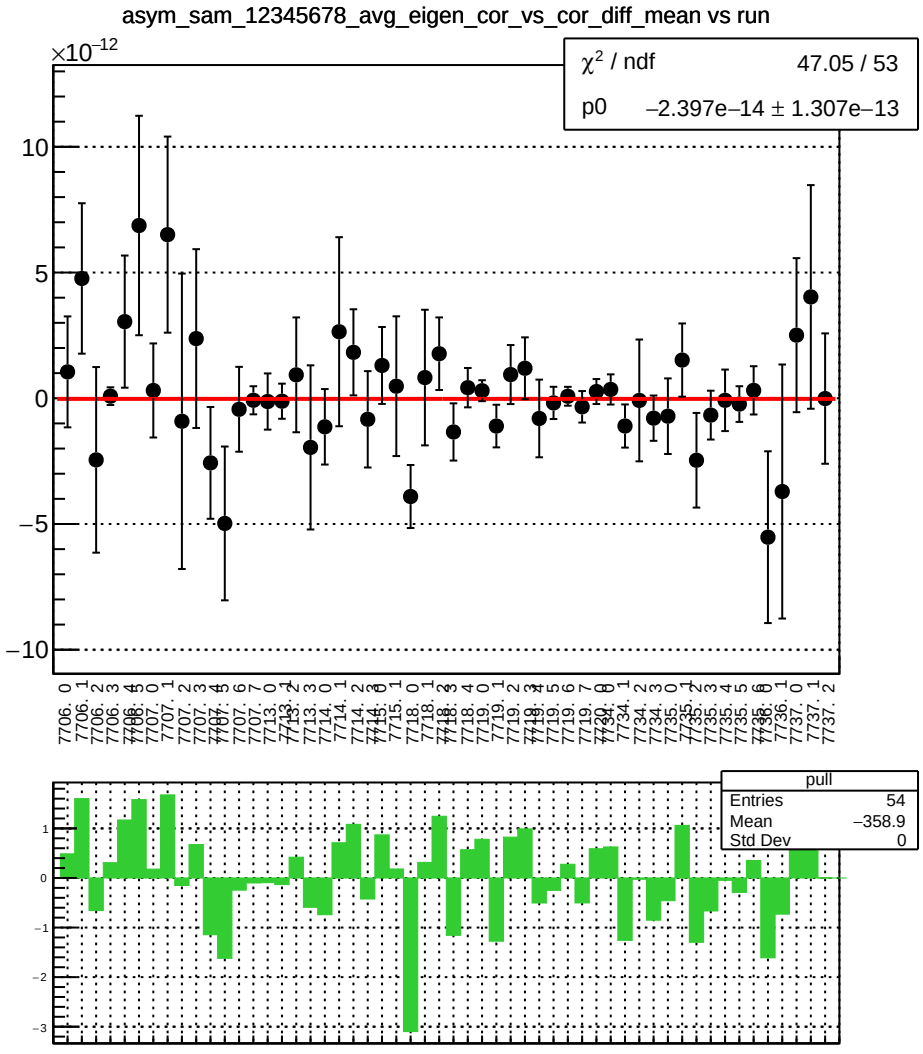

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.8e+04 / 53
p0 0.002319 ± 2.362e−06
0.004
0.0035
0.003
0.0025
0.002

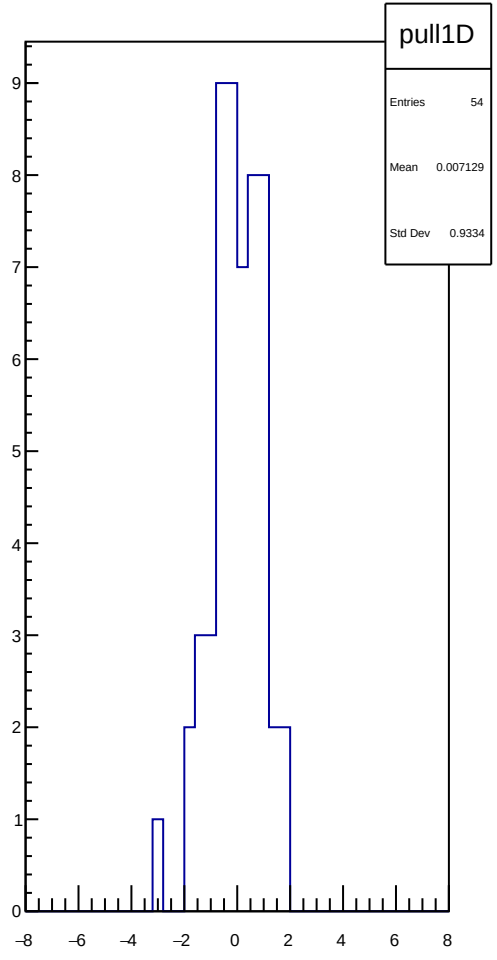

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.27 / 53
p0 0.02338 ± 0.06309
pull
Entries 54
Mean 309.5
Std Dev 0
pull1D
Entries 54
Mean −0.01338
Std Dev 0.9155

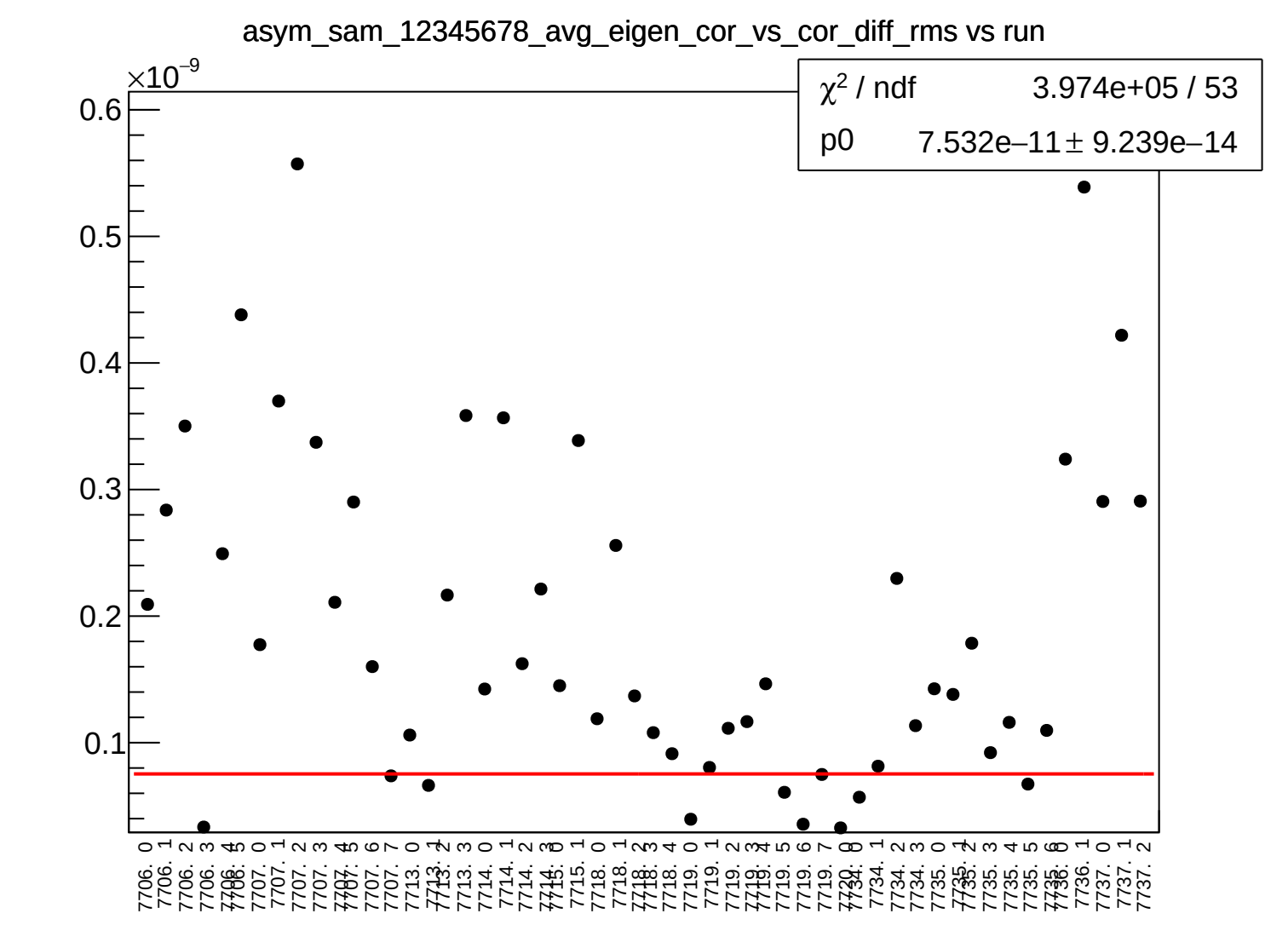

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 43.04 ± 0.04461
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

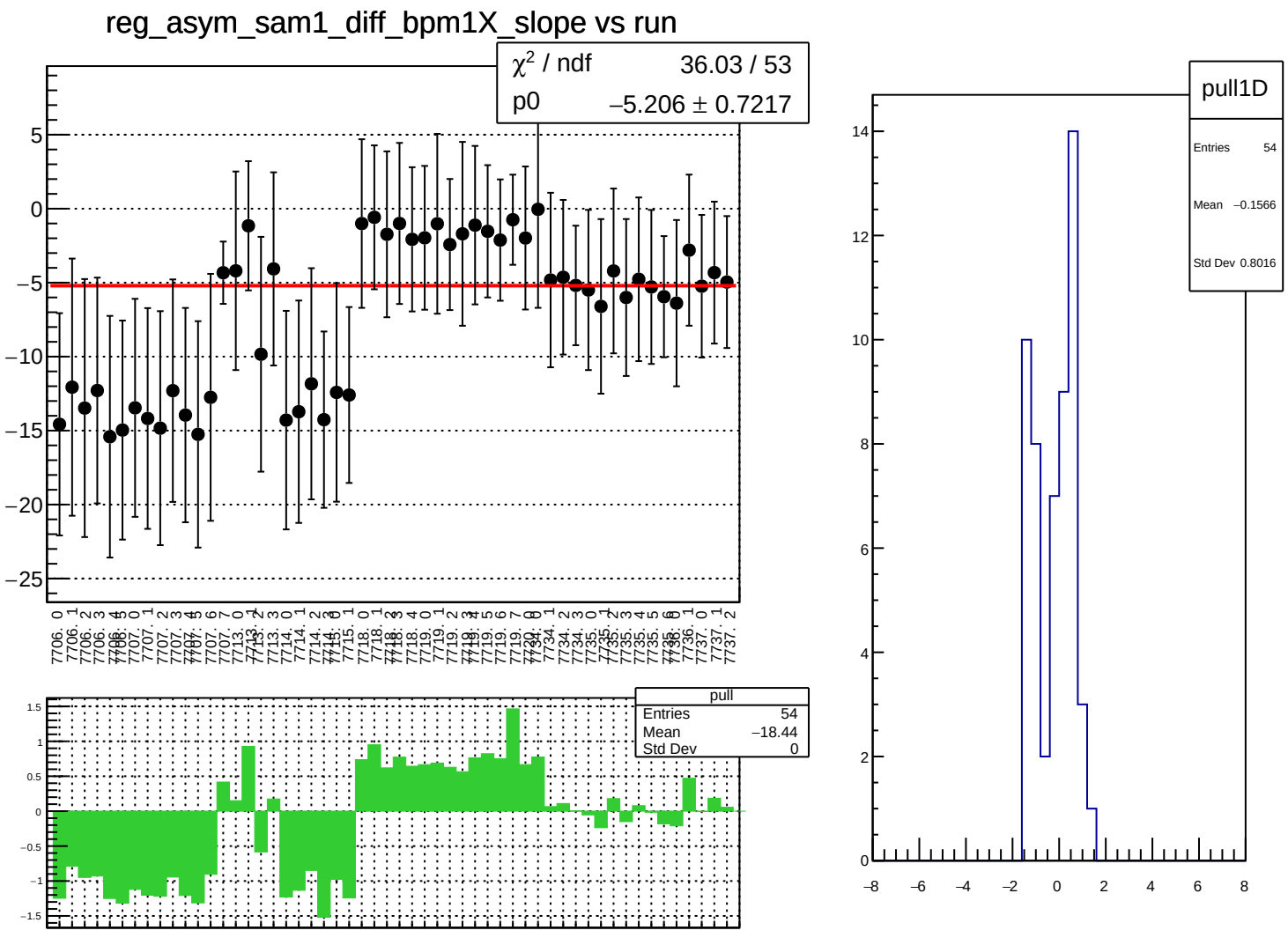

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.27 / 53
p0 0.02338 ± 0.06309
pull
Entries 54
Mean 309.5
Std Dev 0
pull1D
Entries 54
Mean −0.01338
Std Dev 0.9155

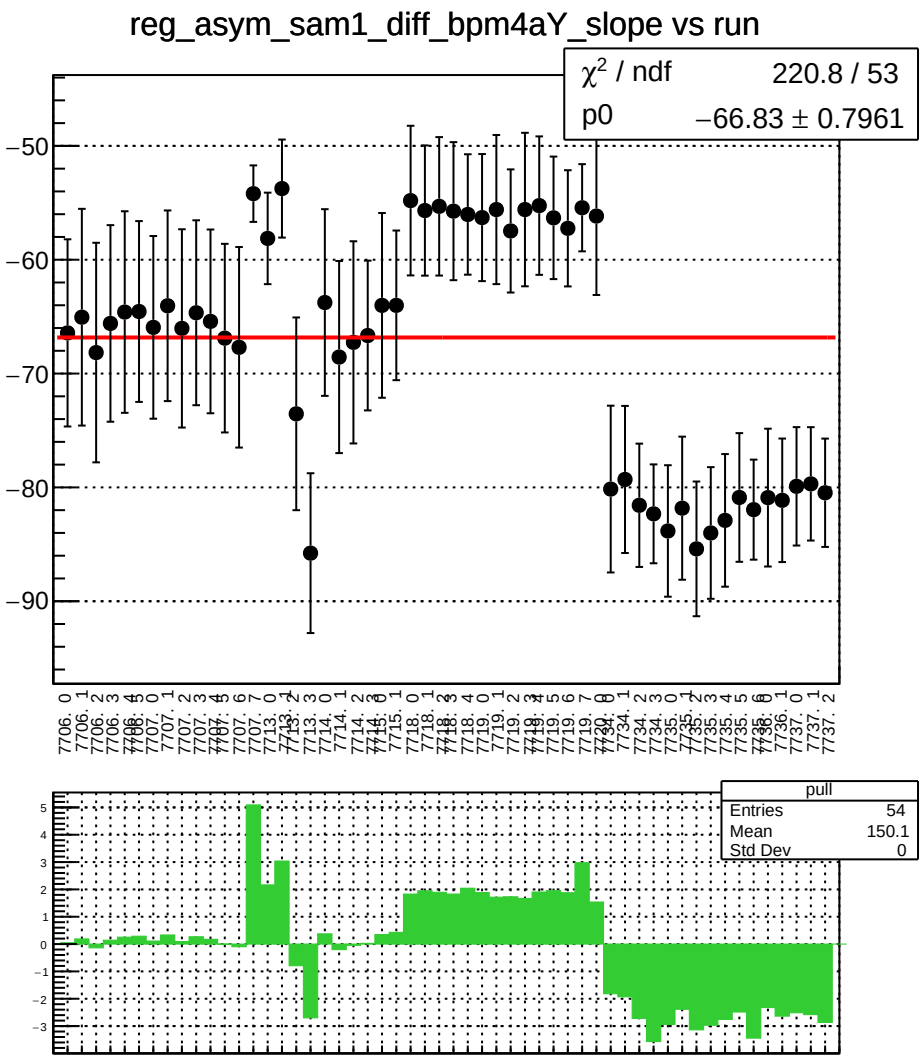

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.31e+05 / 53
p0 43.04 ± 0.04461
180
160
140
120
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7707. 0
7707. 1
7707. 2
7707. 3
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7715. 1
7718. 0
7718. 1
7718. 4
7719. 0
7719. 1
7719. 2
7719. 5
7719. 6
7719. 7
7734. 1
7734. 2
7734. 3
7735. 0
7735. 2
7735. 3
7735. 4
7735. 5
7736. 1
7737. 0
7737. 1
7737. 2

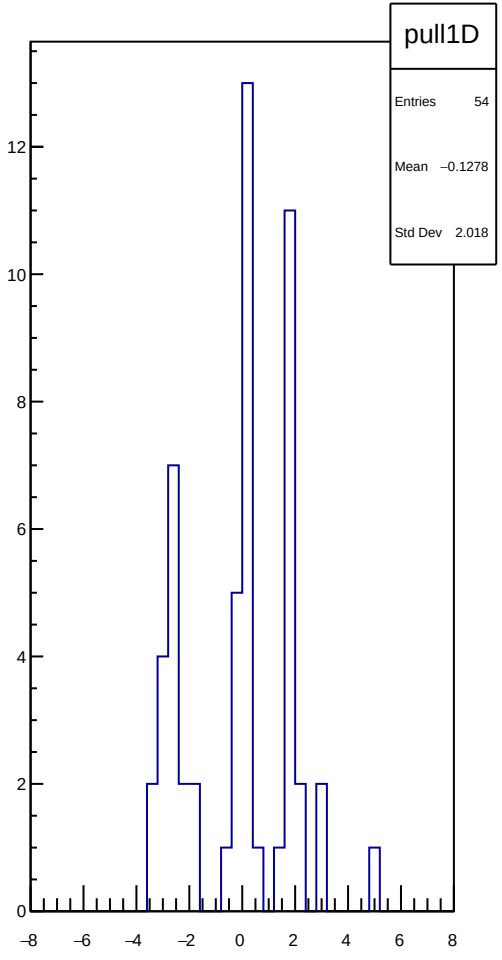

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.05 / 53
p0 −2.397e−14 ± 1.307e−13
pull
Entries 54
Mean −358.9
Std Dev 0

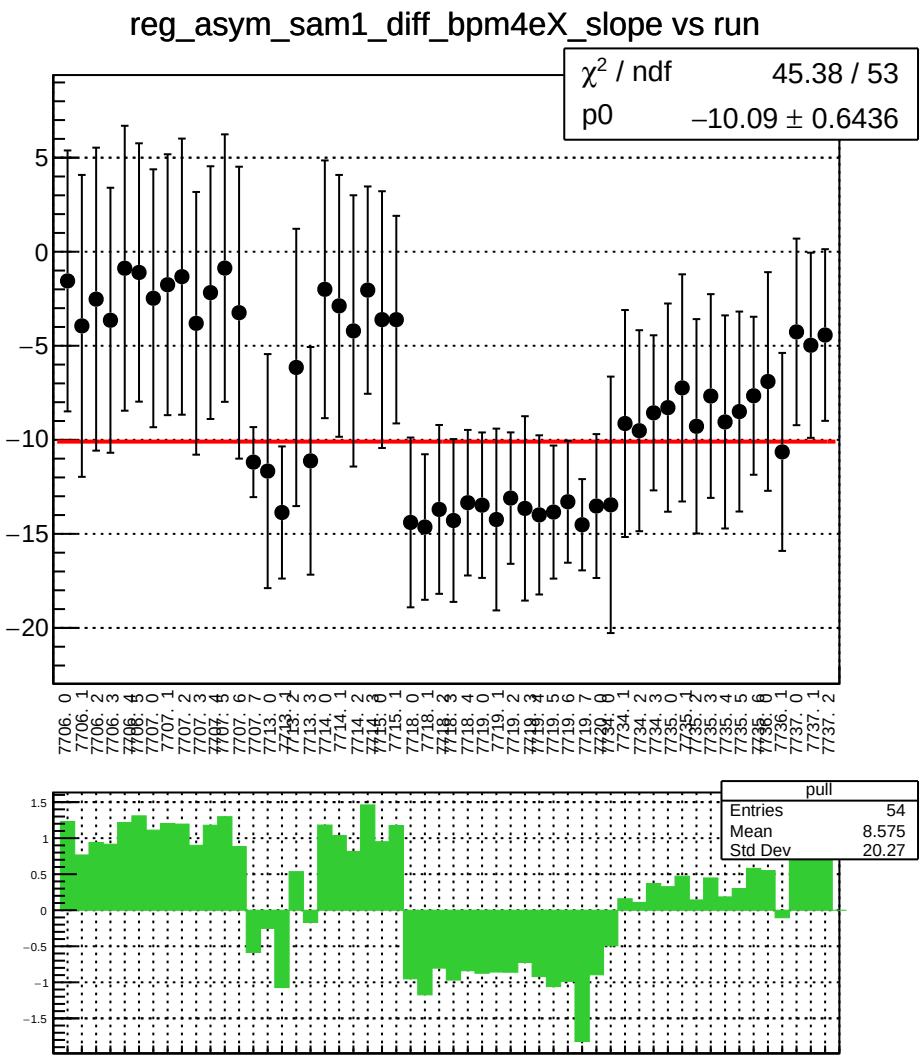

pull1D
Entries 54
Mean 0.007129
Std Dev 0.9334

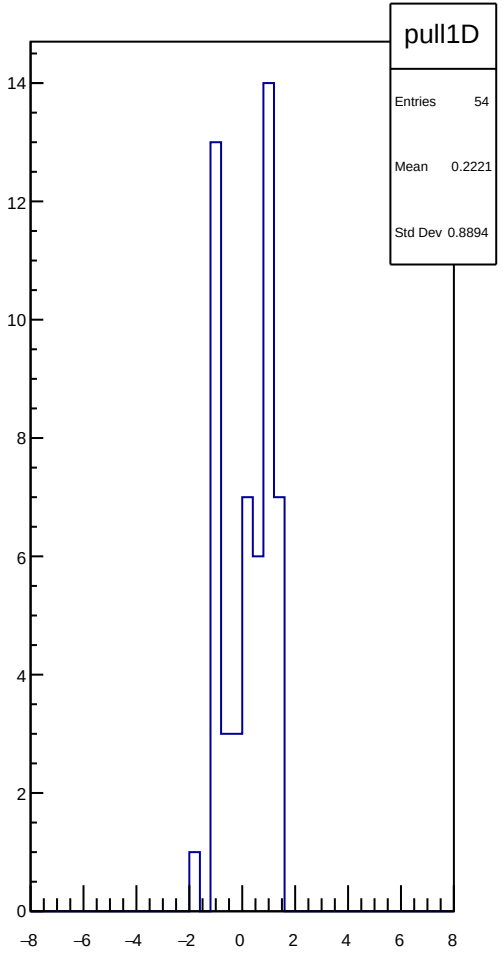

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.974e+05 / 53
p0 7.532e−11 ± 9.239e−14
0.6
0.5
0.4
0.3
0.2
0.1

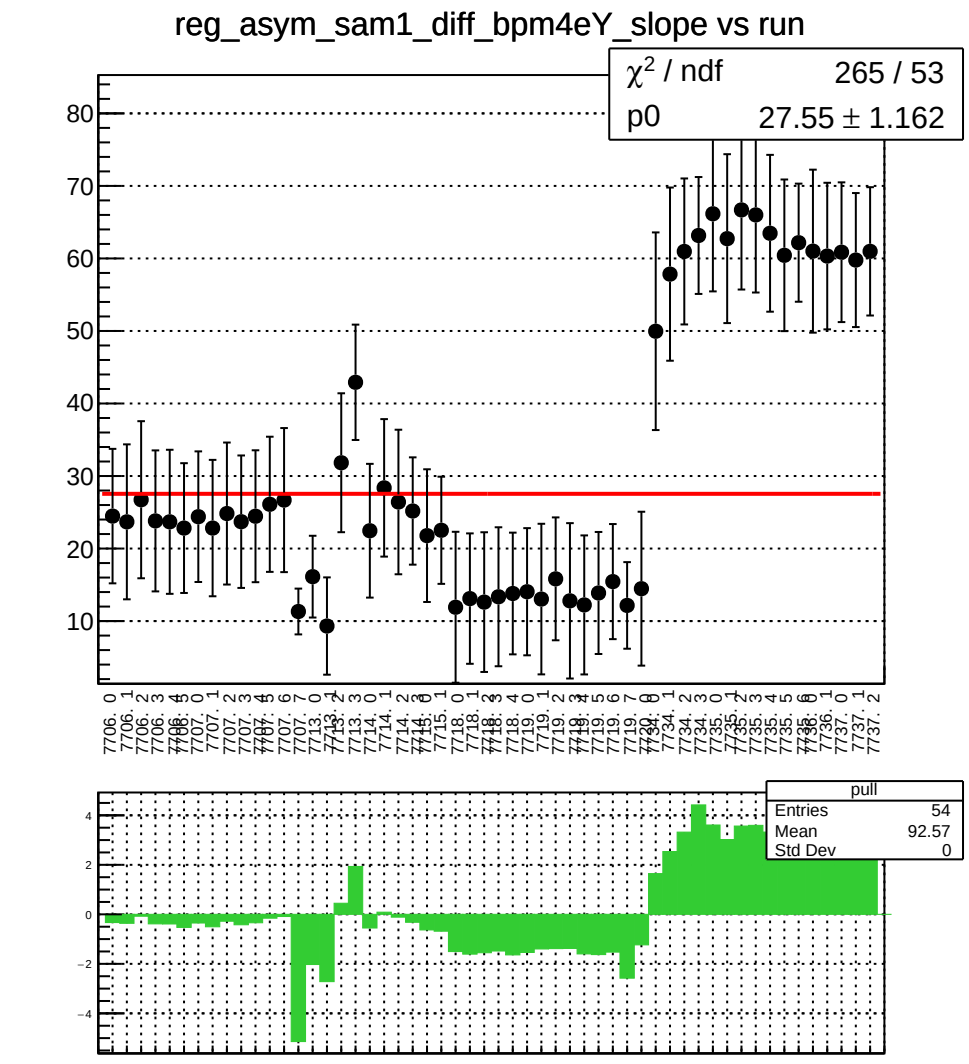

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 36.03 / 53
p0 −5.206 ± 0.7217
pull
Entries 54
Mean −18.44
Std Dev 0
pull1D
Entries 54
Mean −0.1566
Std Dev 0.8016

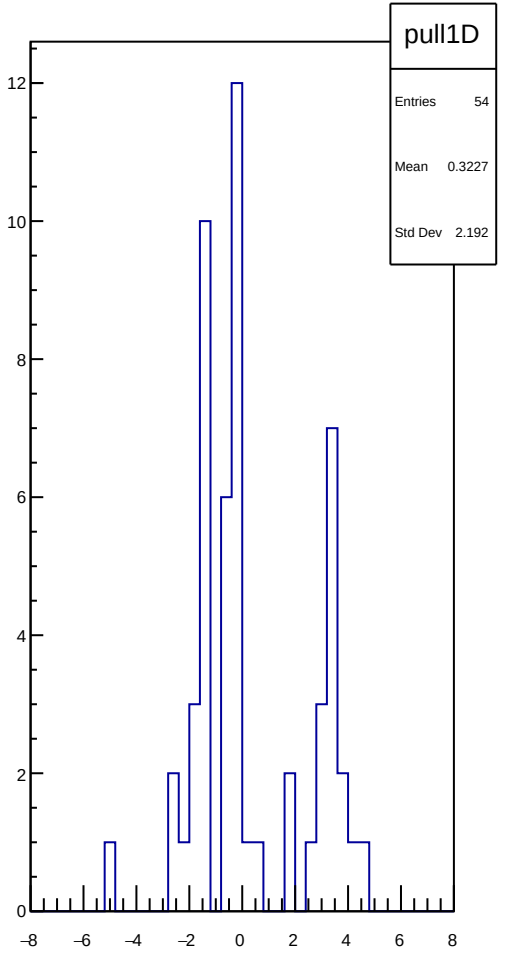

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 220.8 / 53
p0 −66.83 ± 0.7961
pull
Entries 54
Mean 150.1
Std Dev 0

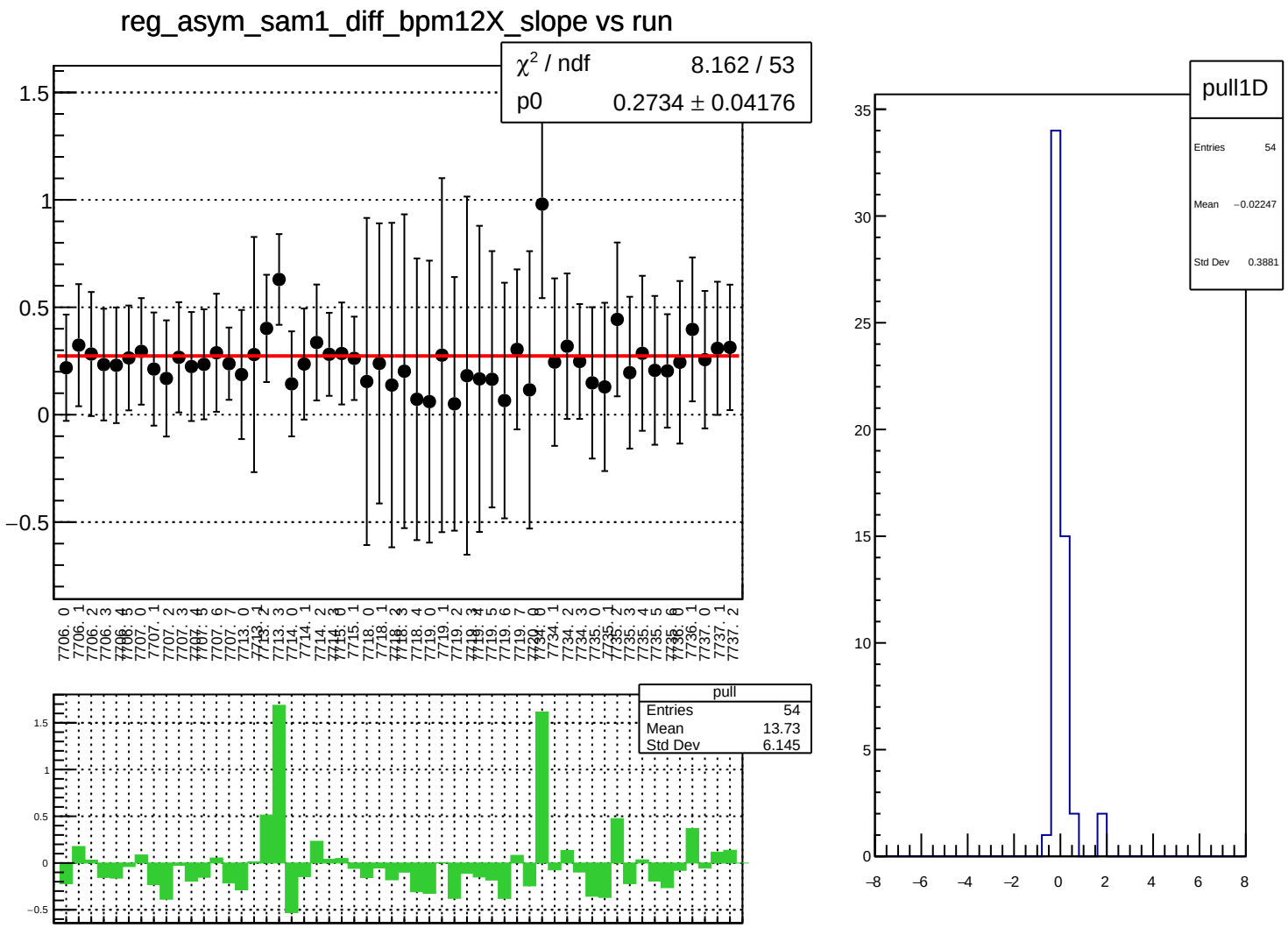

pull1D
Entries 54
Mean −0.1278
Std Dev 2.018

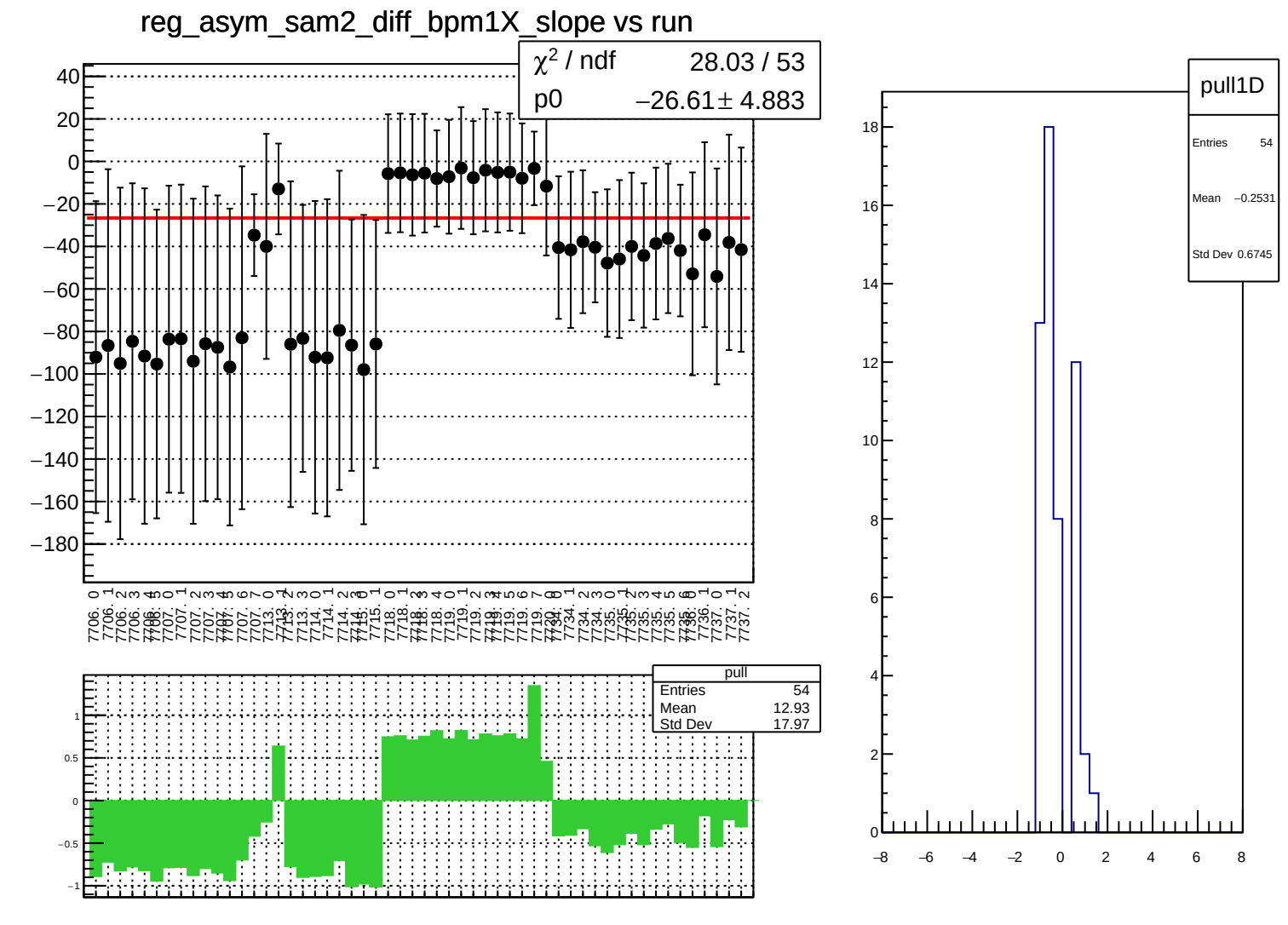

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 45.38 / 53
p0 −10.09 ± 0.6436
pull
Entries 54
Mean 8.575
Std Dev 20.27

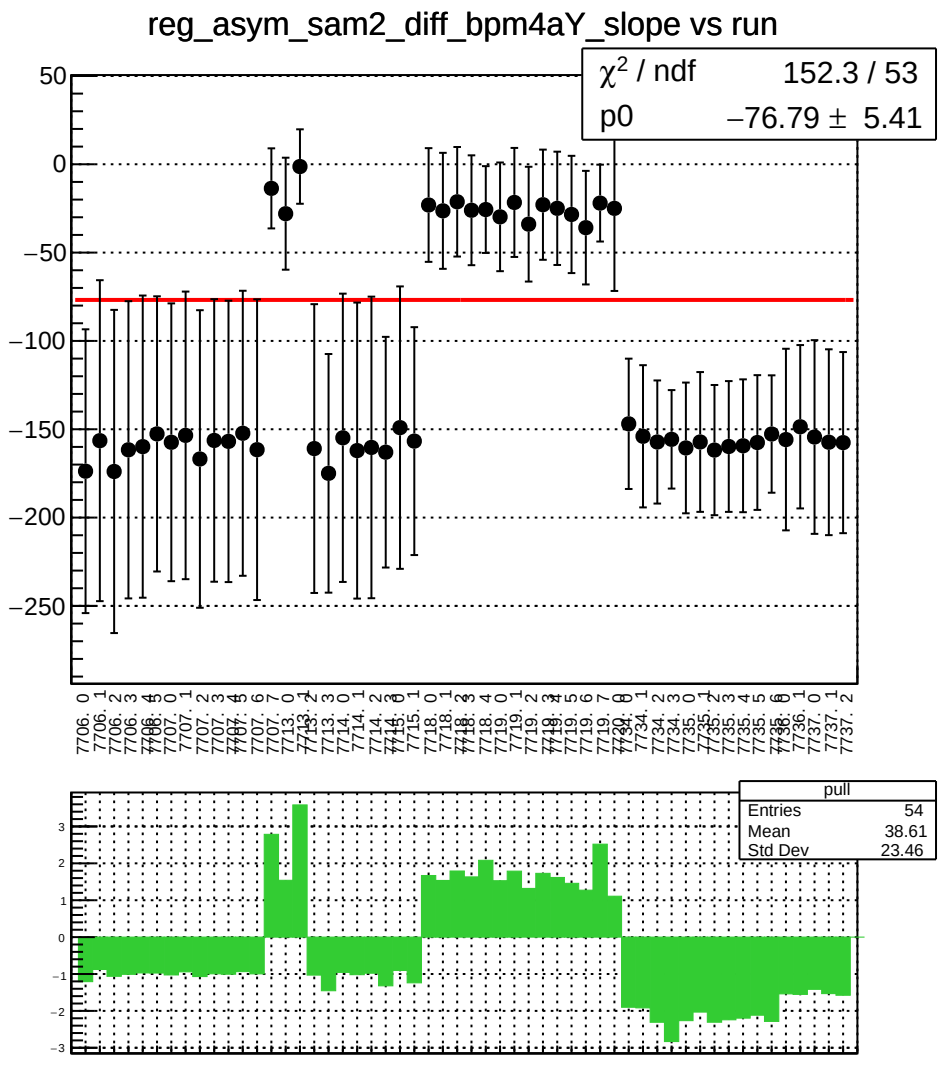

pull1D
Entries 54
Mean 0.2221
Std Dev 0.8894

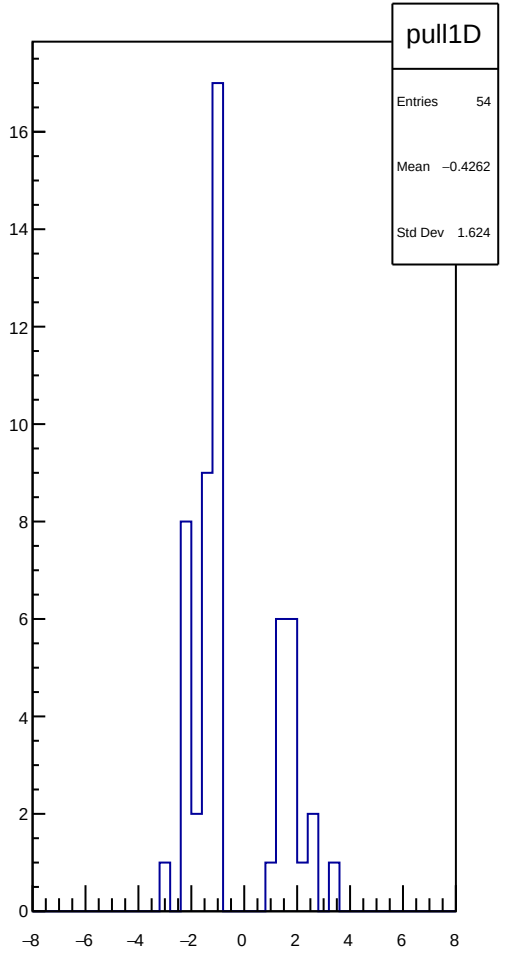

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 265 / 53
p0 27.55 ± 1.162
pull
Entries 54
Mean 92.57
Std Dev 0

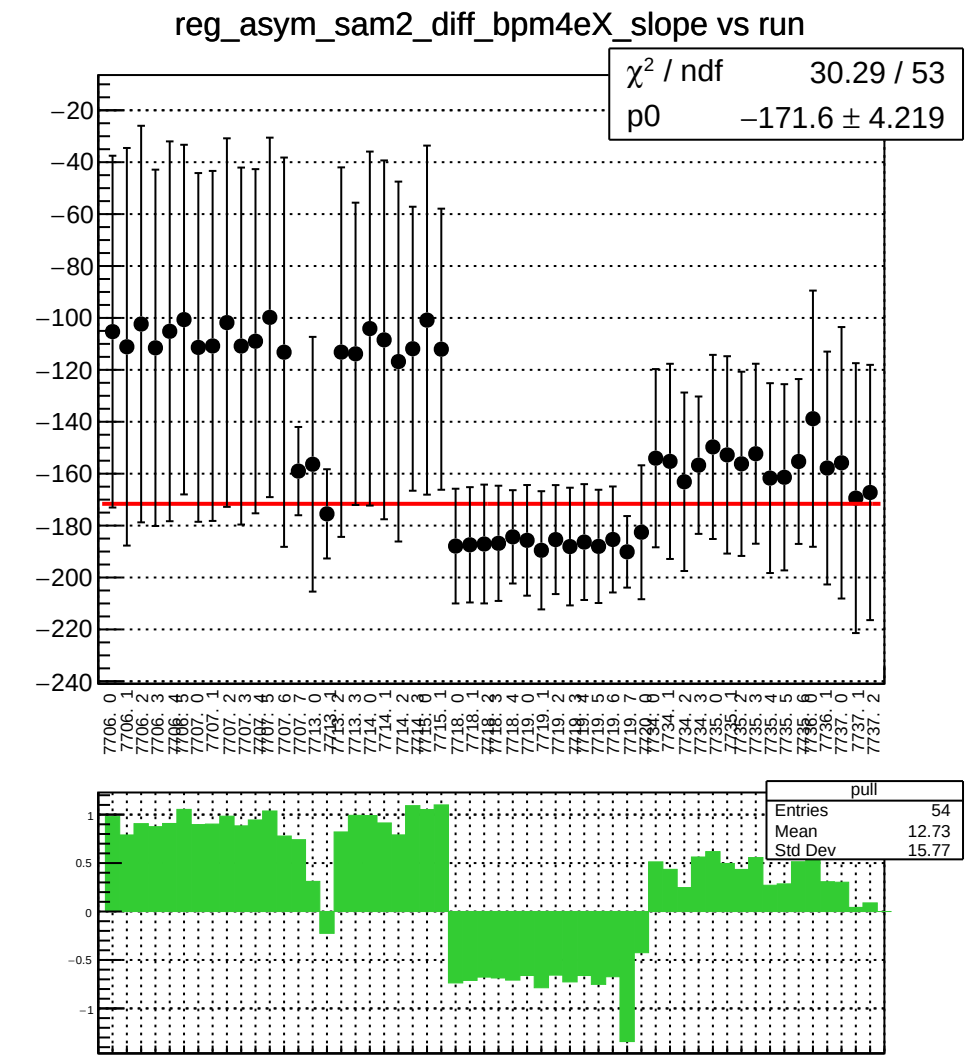

pull1D
Entries 54
Mean 0.3227
Std Dev 2.192

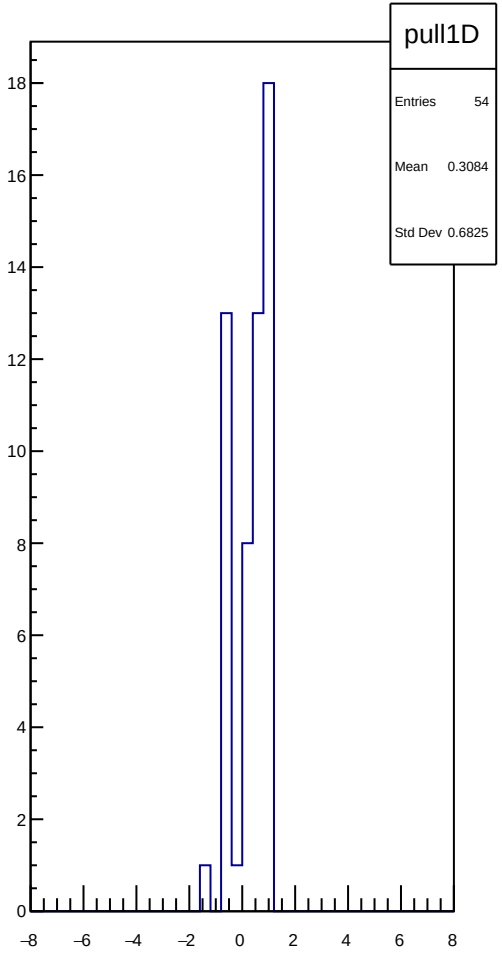

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.162 / 53
p0 0.2734 ± 0.04176
pull
Entries 54
Mean 13.73
Std Dev 6.145
pull1D
Entries 54
Mean −0.02247
Std Dev 0.3881

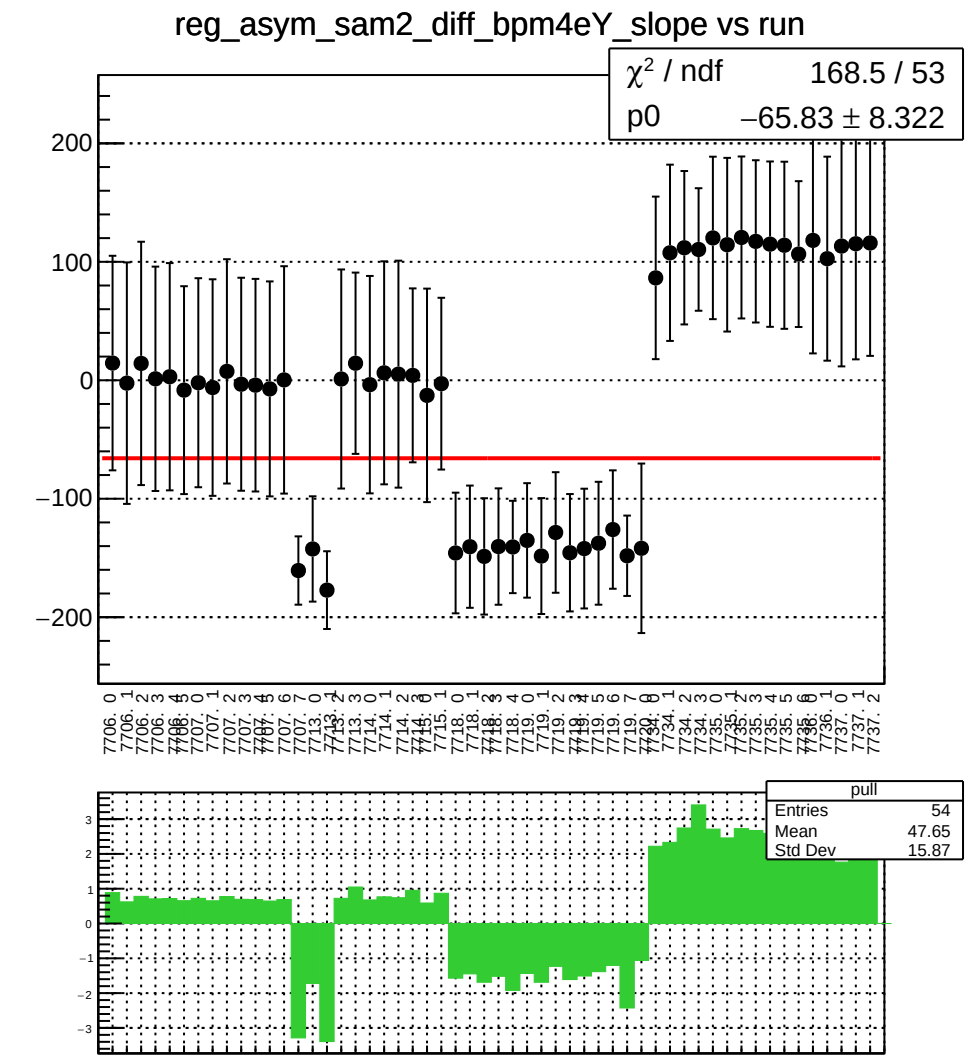

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 28.03 / 53
p0 −26.61 ± 4.883
pull
Entries 54
Mean 12.93
Std Dev 17.97
pull1D
Entries 54
Mean −0.2531
Std Dev 0.6745

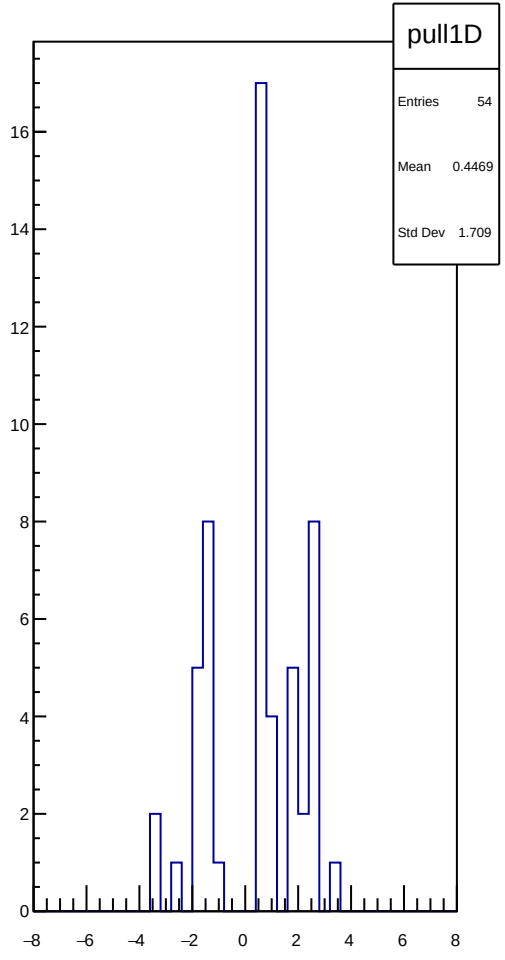

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 53
p0 −76.79 ± 5.41
pull
Entries 54
Mean 38.61
Std Dev 23.46

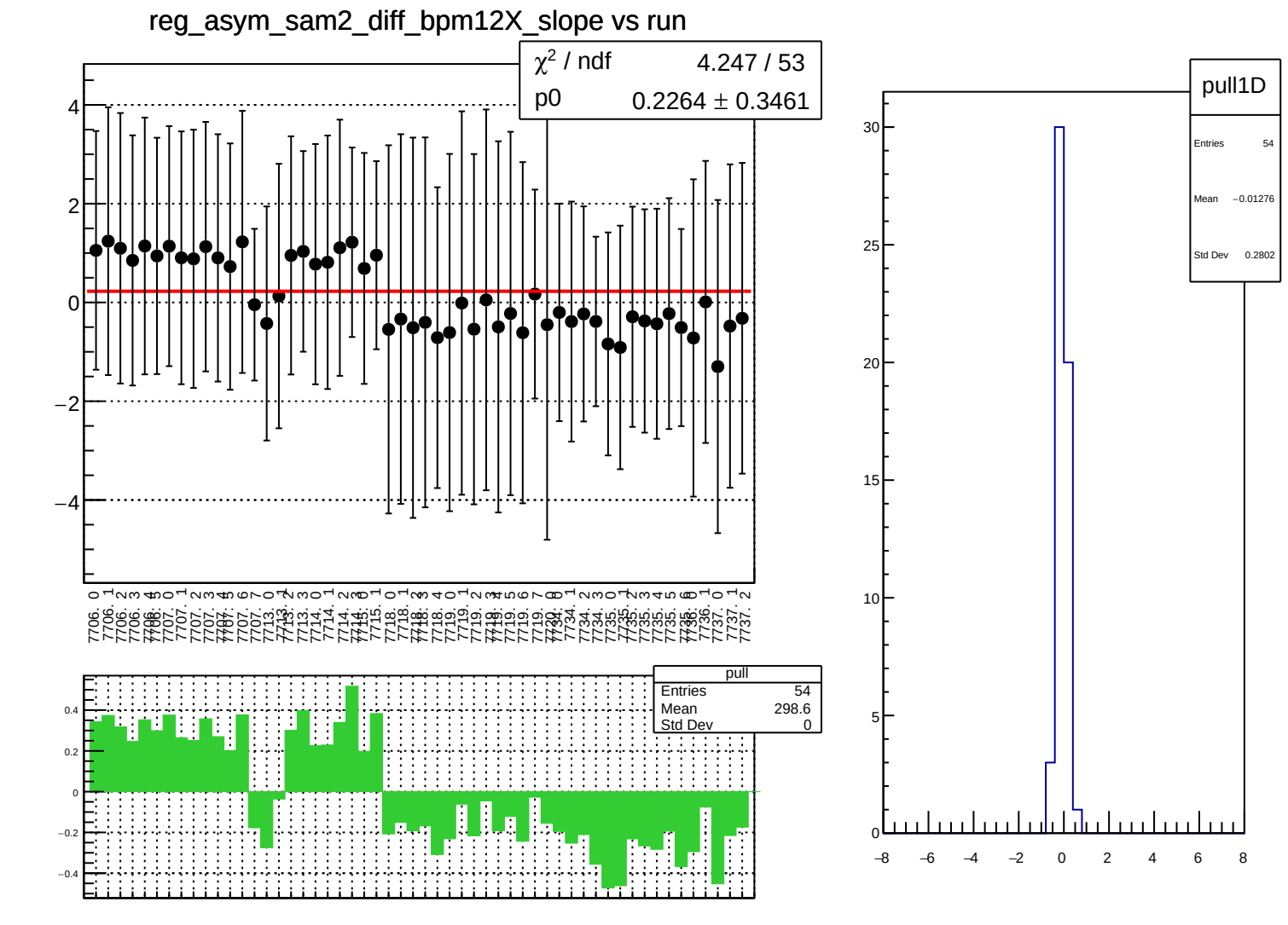

pull1D
Entries 54
Mean −0.4262
Std Dev 1.624

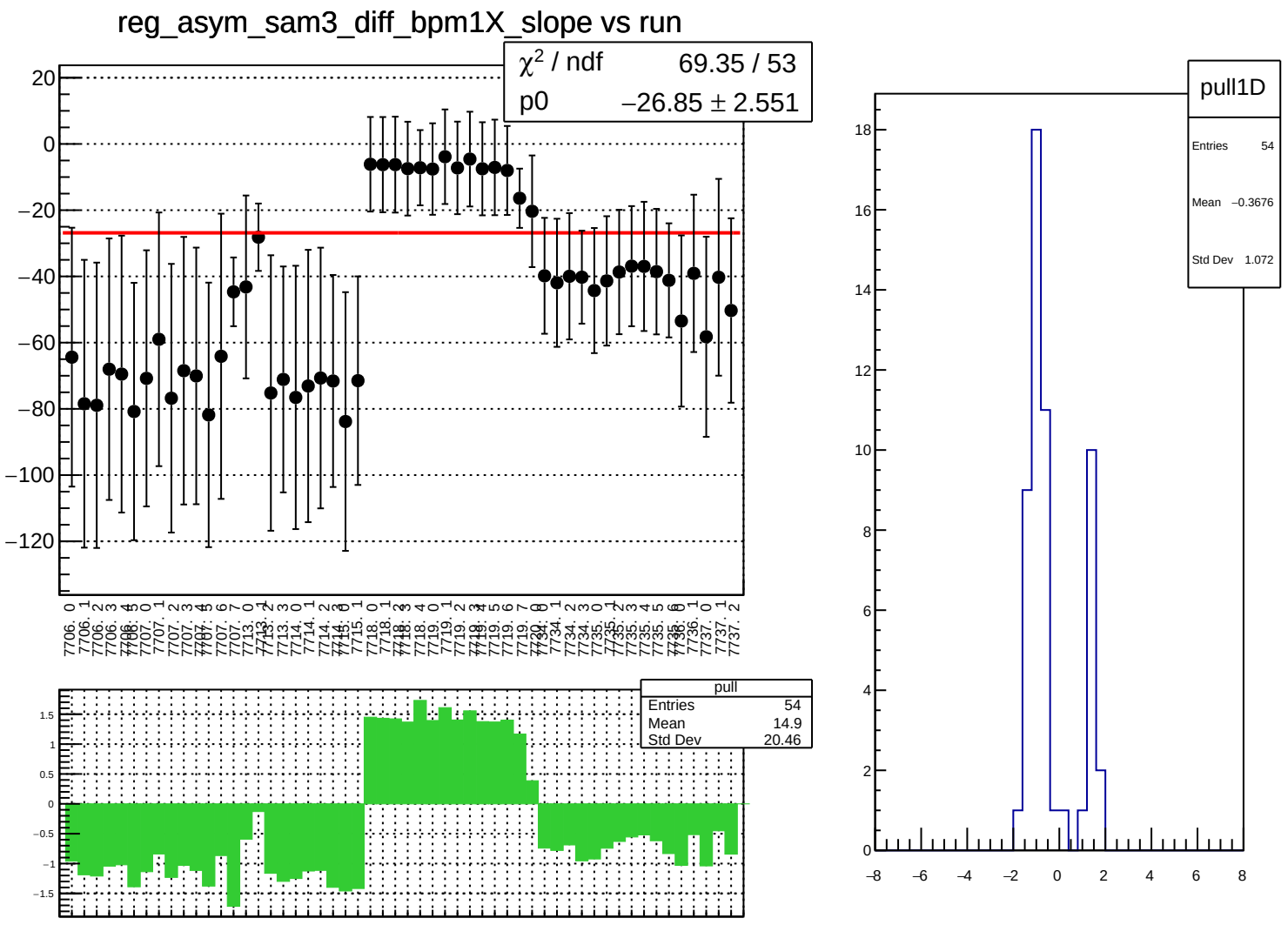

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 30.29 / 53
p0 −171.6 ± 4.219
pull
Entries 54
Mean 12.73
Std Dev 15.77

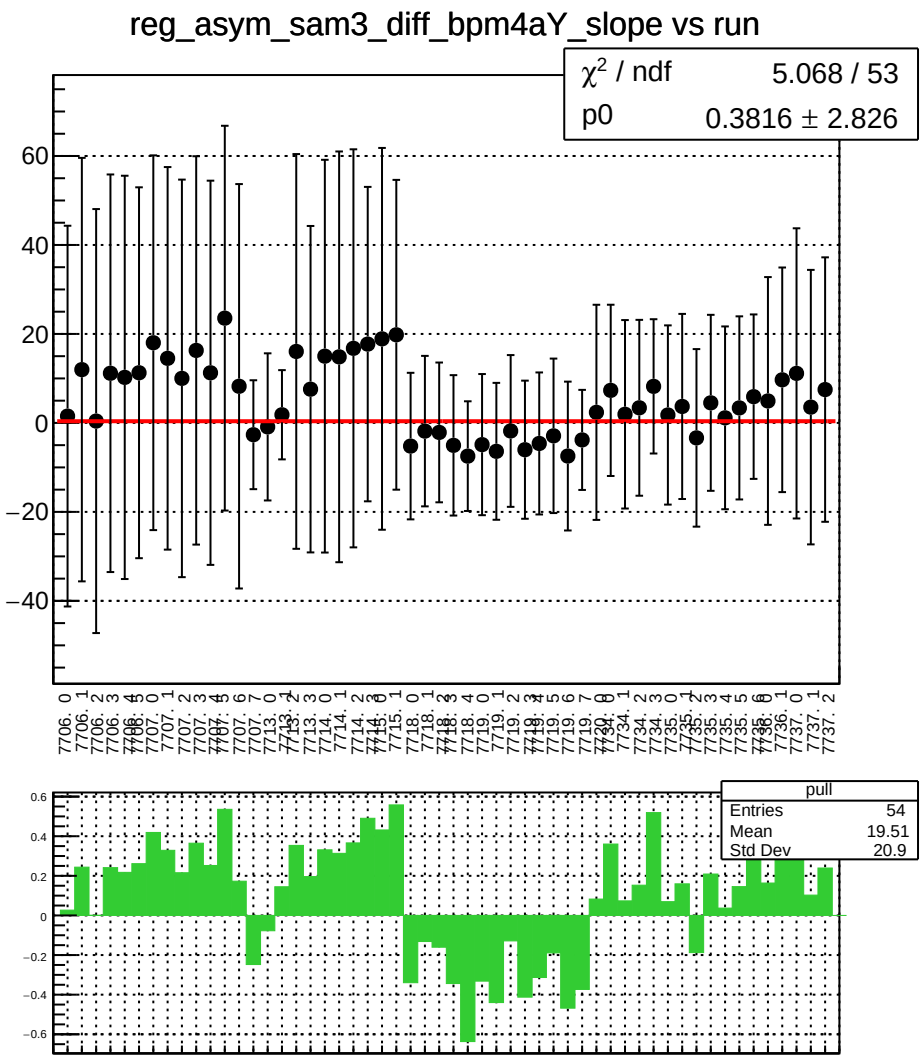

pull1D
Entries 54
Mean 0.3084
Std Dev 0.6825

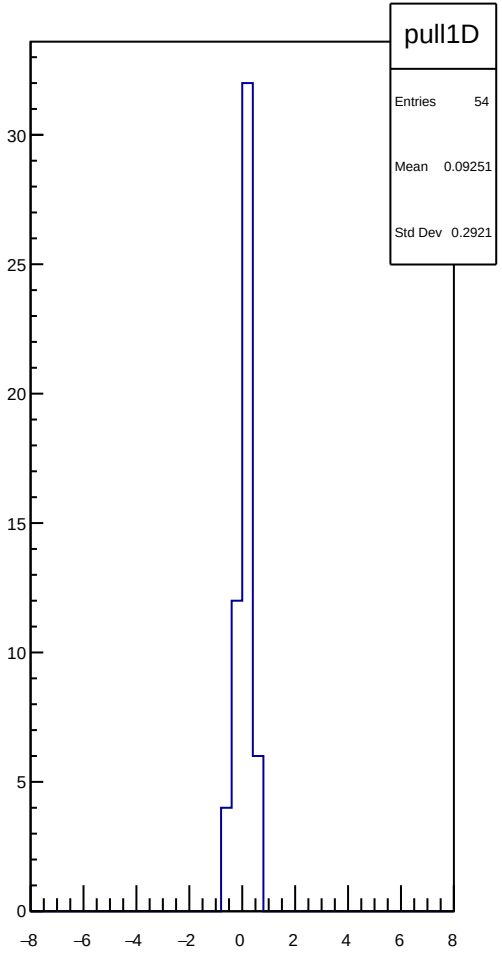

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 168.5 / 53
p0 −65.83 ± 8.322
200
100
0
−100
−200
pull
Entries 54
Mean 47.65
Std Dev 15.87
3
2
1
0
−1
−2
−3

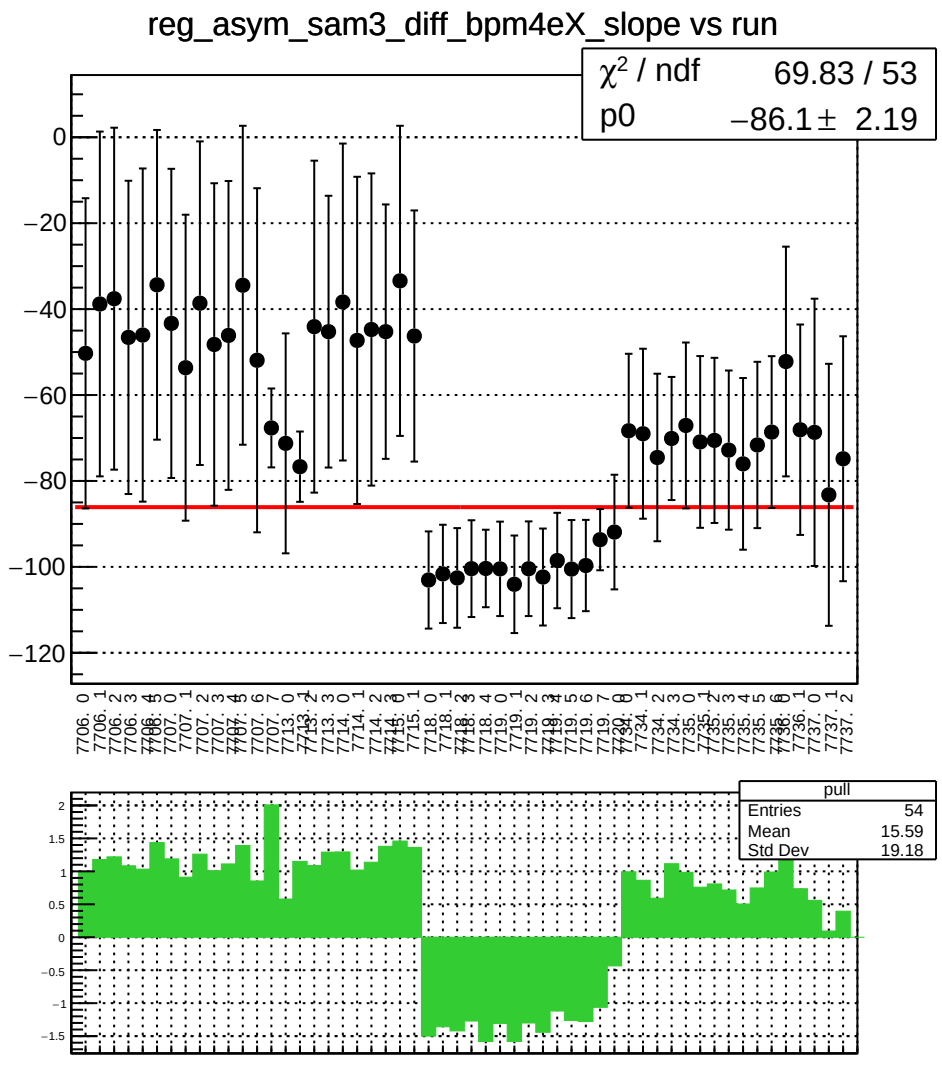

pull1D
Entries 54
Mean 0.4469
Std Dev 1.709
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

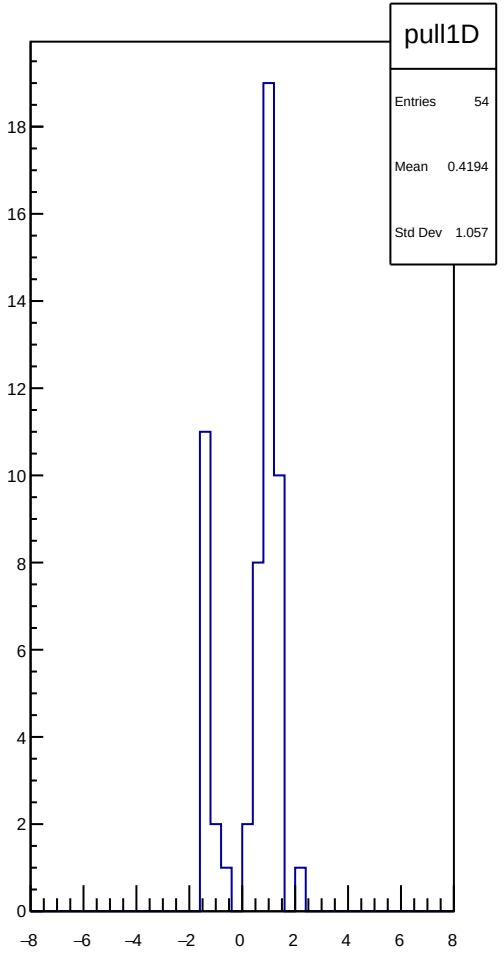

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 4.247 / 53
p0 0.2264 ± 0.3461
pull
Entries 54
Mean 298.6
Std Dev 0
pull1D
Entries 54
Mean −0.01276
Std Dev 0.2802

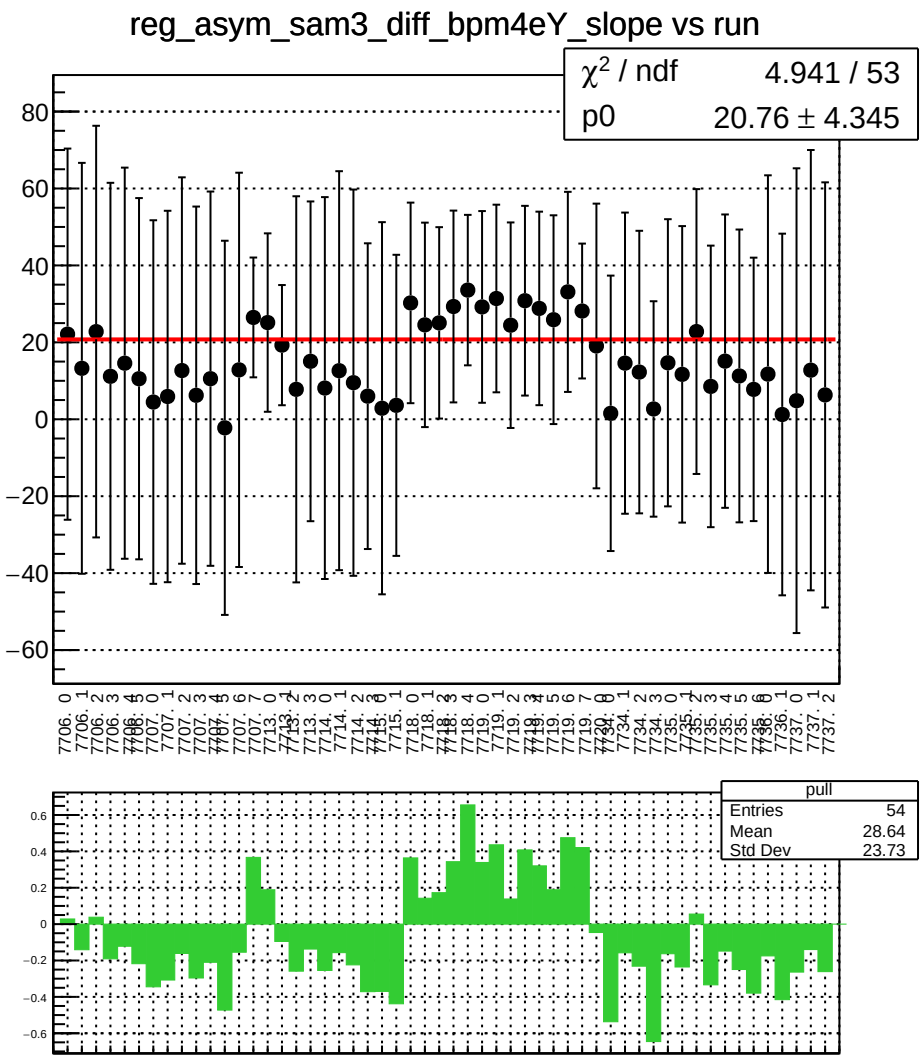

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 69.35 / 53
p0 −26.85 ± 2.551
pull
Entries 54
Mean 14.9
Std Dev 20.46
pull1D
Entries 54
Mean −0.3676
Std Dev 1.072

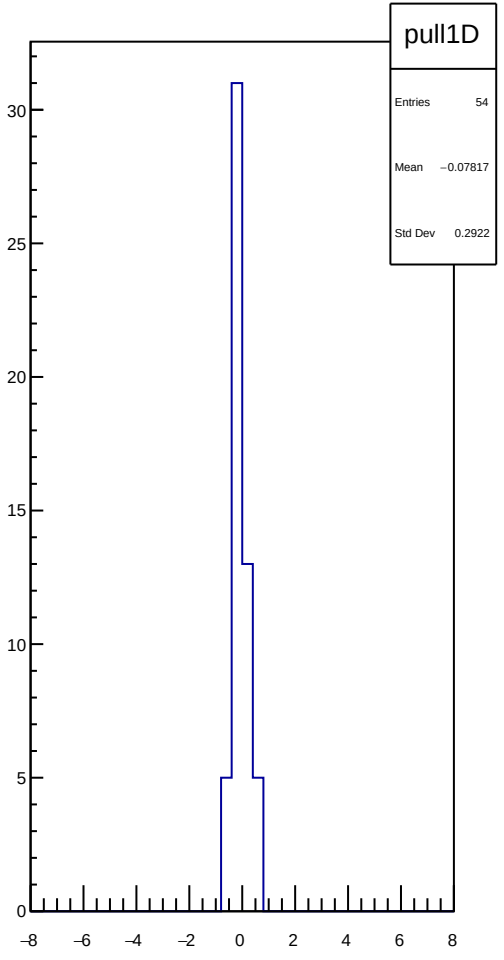

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.068 / 53
p0 0.3816 ± 2.826
pull
Entries 54
Mean 19.51
Std Dev 20.9

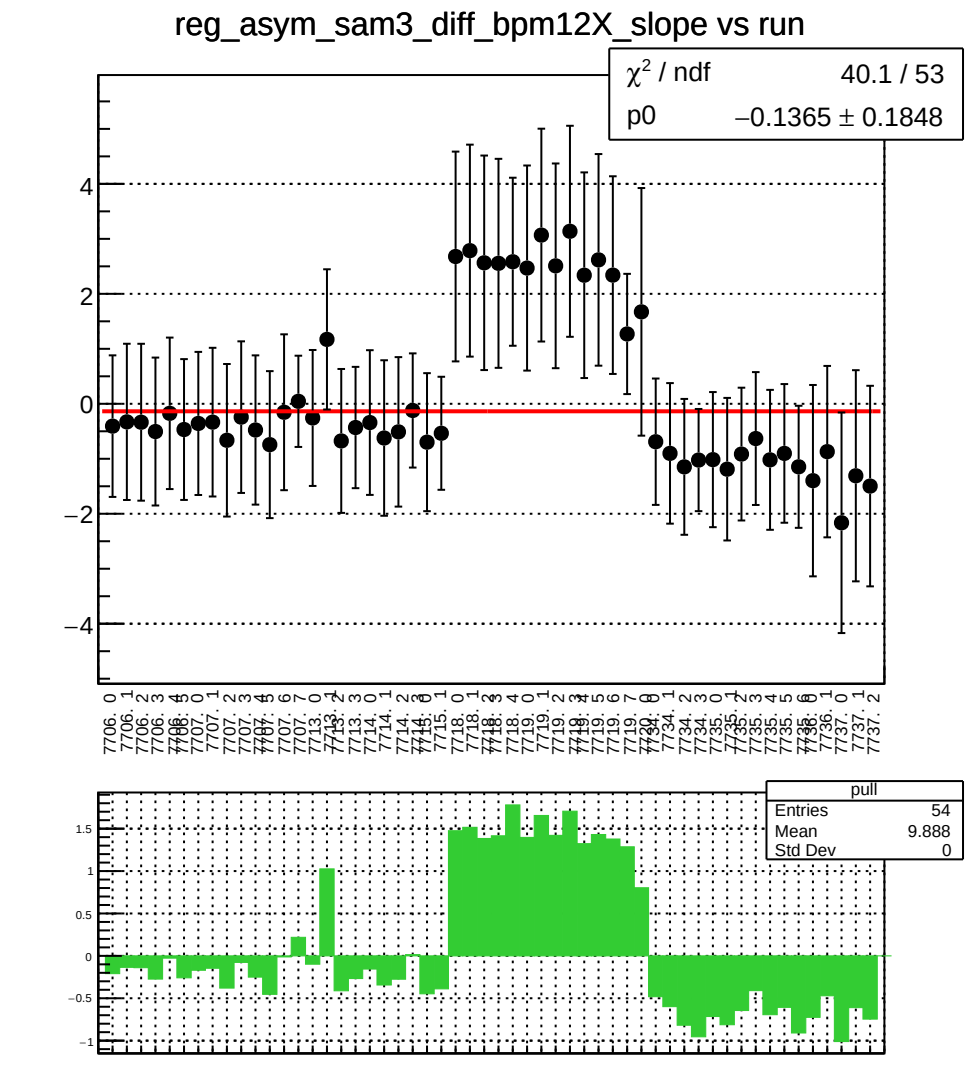

pull1D
Entries 54
Mean 0.09251
Std Dev 0.2921

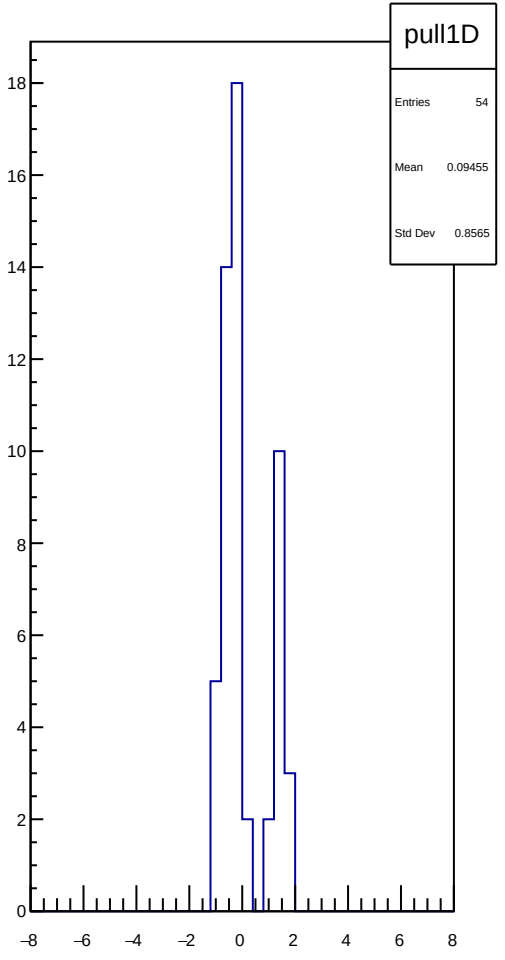

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 69.83 / 53
p0 −86.1 ± 2.19
pull
Entries 54
Mean 15.59
Std Dev 19.18

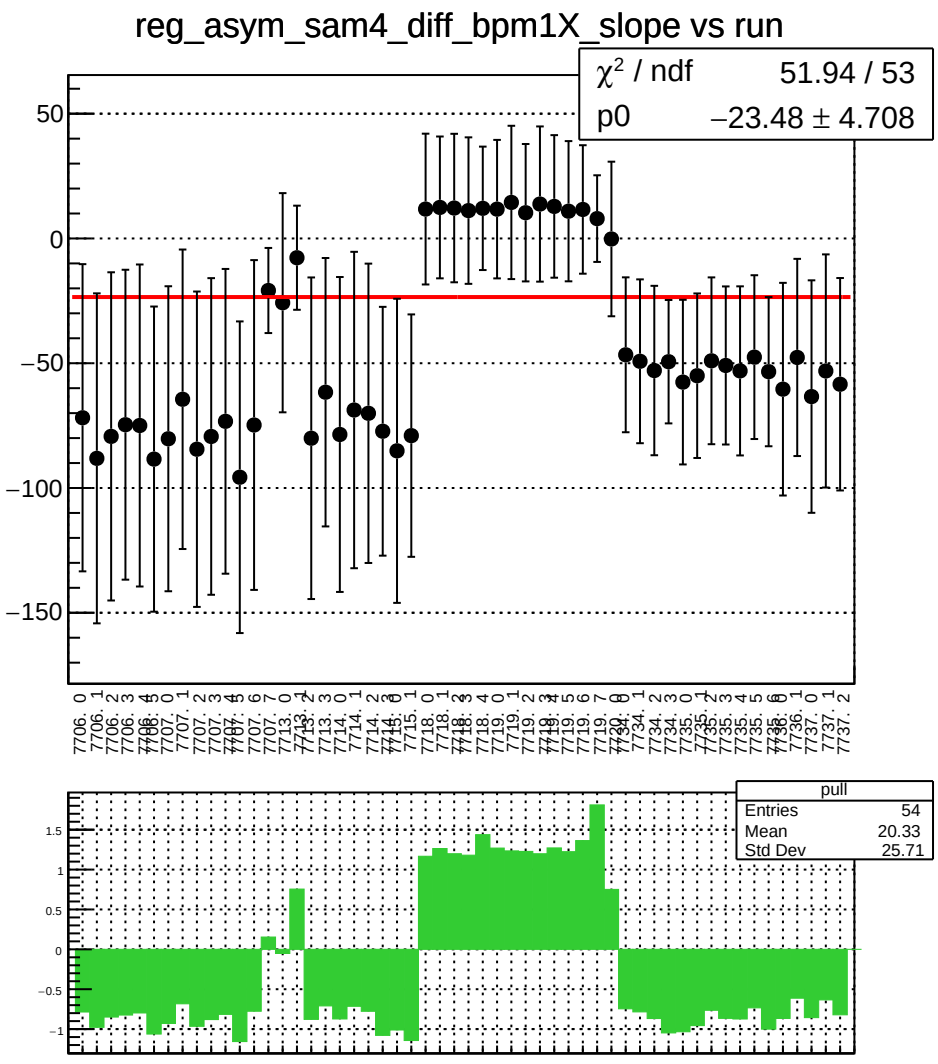

pull1D
Entries 54
Mean 0.4194
Std Dev 1.057

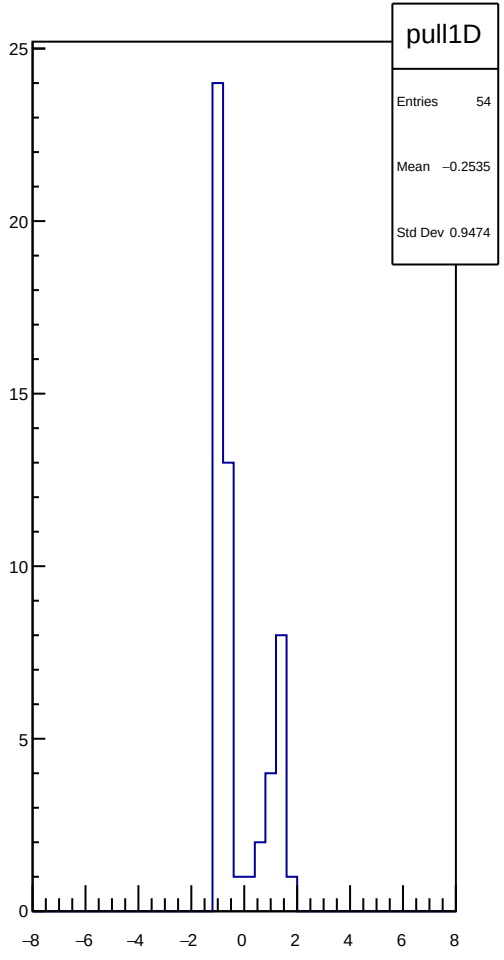

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.941 / 53
p0 20.76 ± 4.345
pull
Entries 54
Mean 28.64
Std Dev 23.73

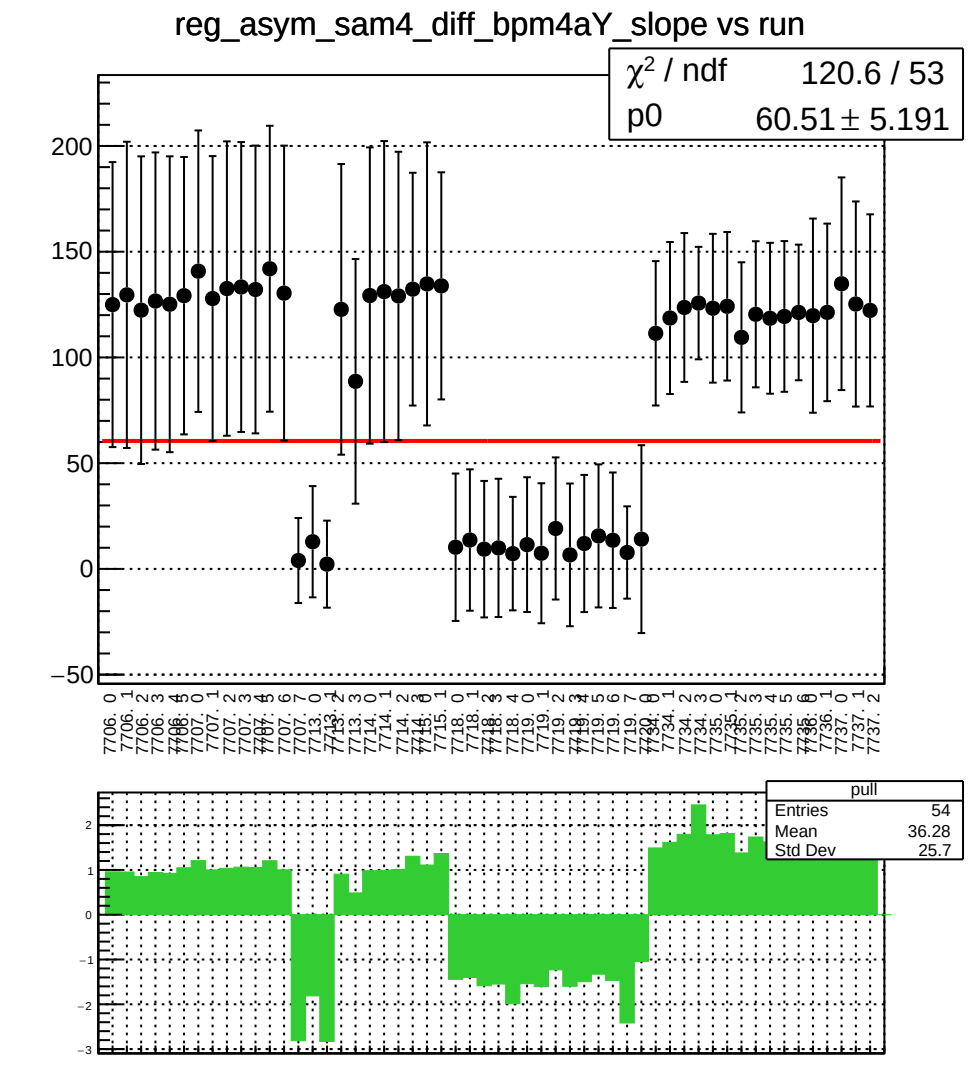

pull1D
Entries 54
Mean −0.07817
Std Dev 0.2922

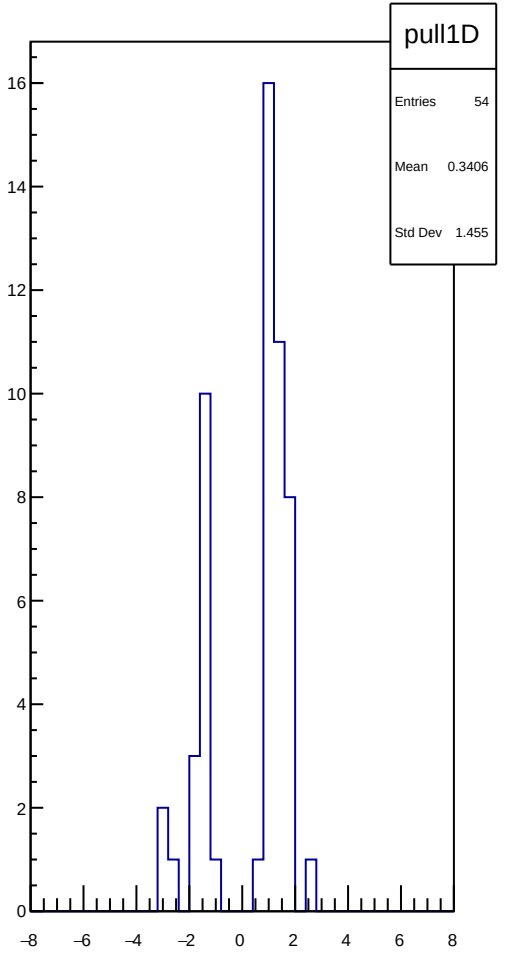

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 40.1 / 53
p0 −0.1365 ± 0.1848
pull
Entries 54
Mean 9.888
Std Dev 0

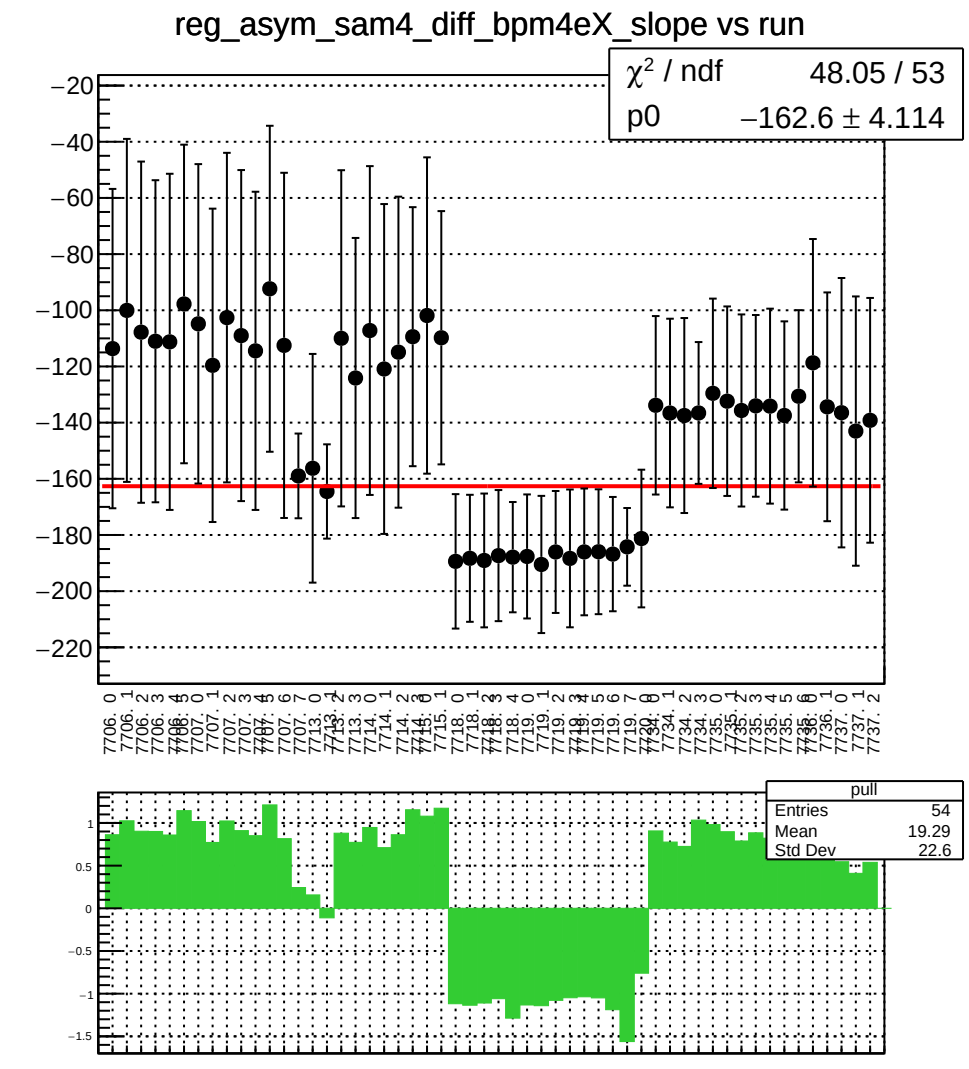

pull1D
Entries 54
Mean 0.09455
Std Dev 0.8565

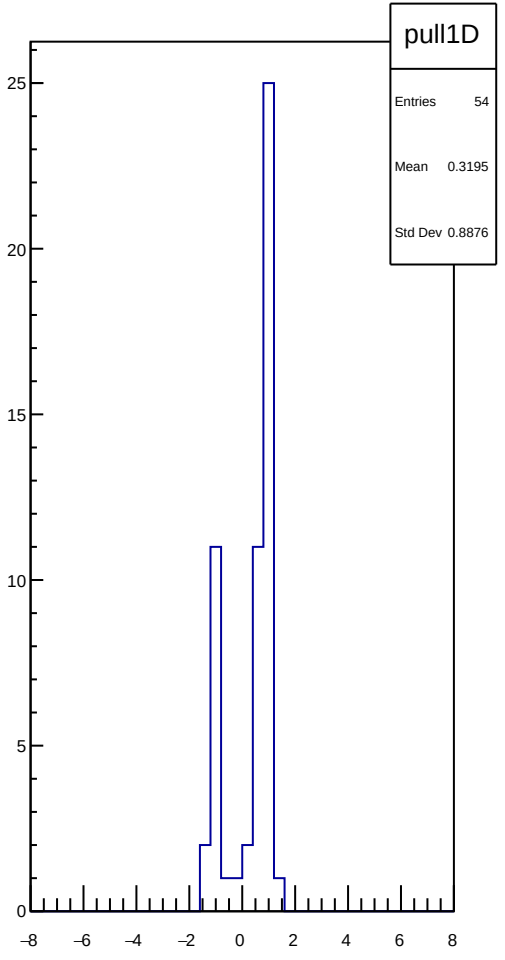

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 51.94 / 53
p0 −23.48 ± 4.708
pull
Entries 54
Mean 20.33
Std Dev 25.71

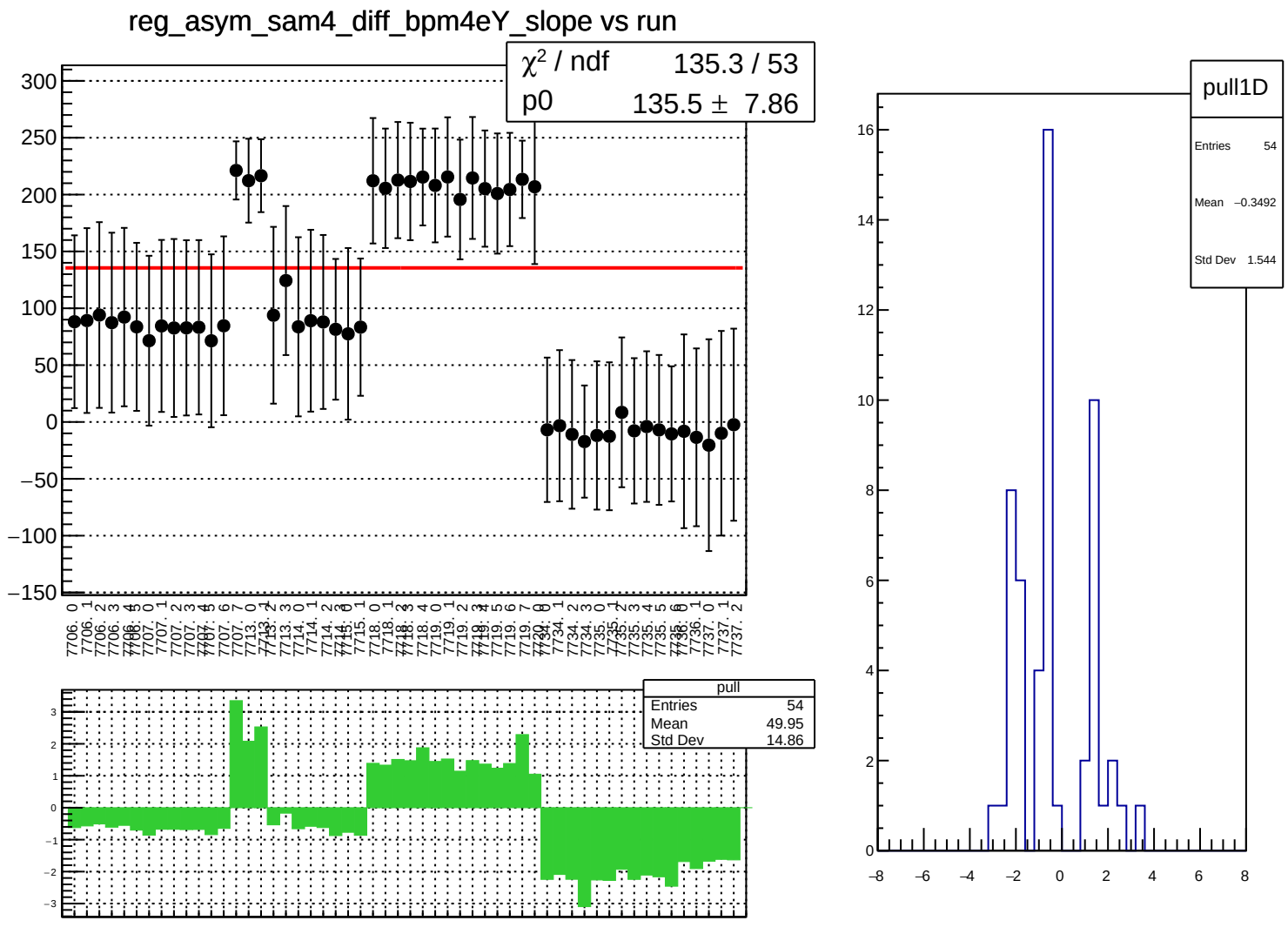

pull1D
Entries 54
Mean −0.2535
Std Dev 0.9474

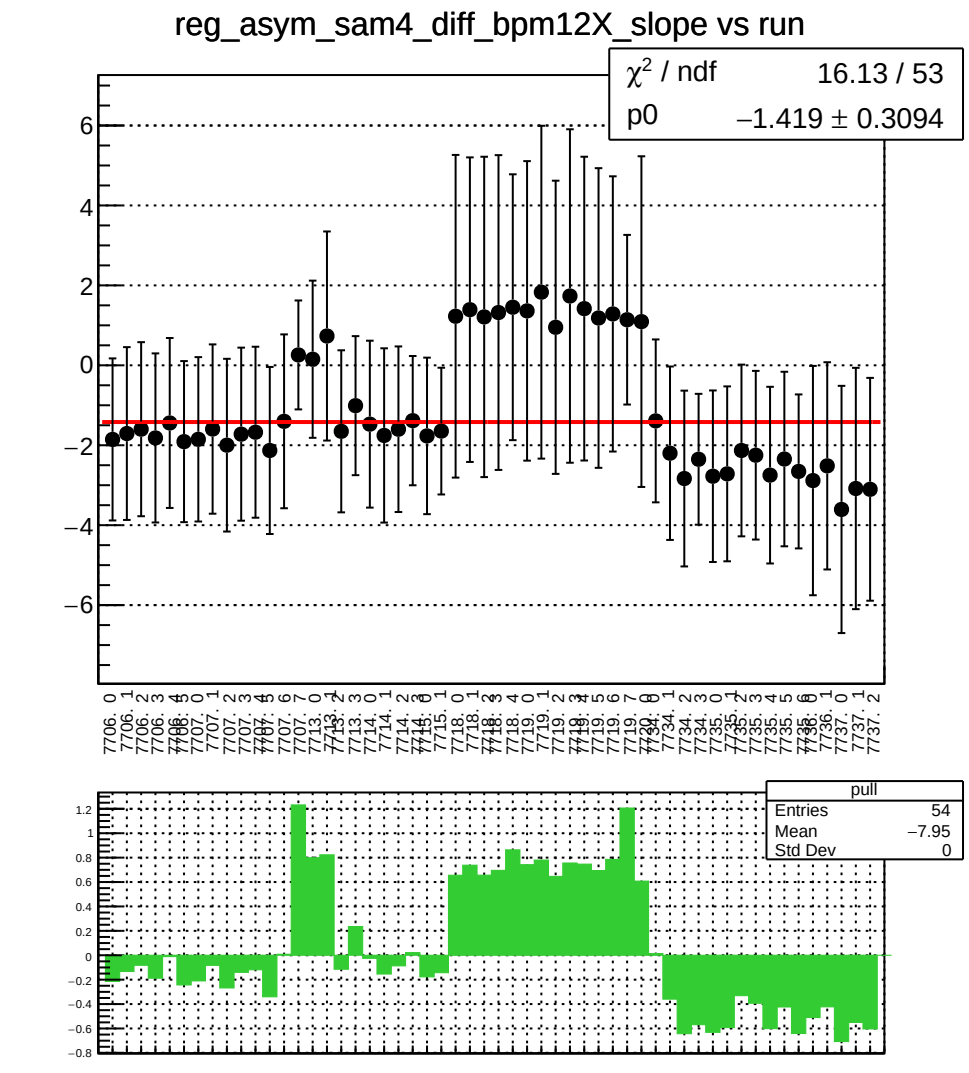

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 120.6 / 53
p0 60.51 ± 5.191
pull
Entries 54
Mean 36.28
Std Dev 25.7

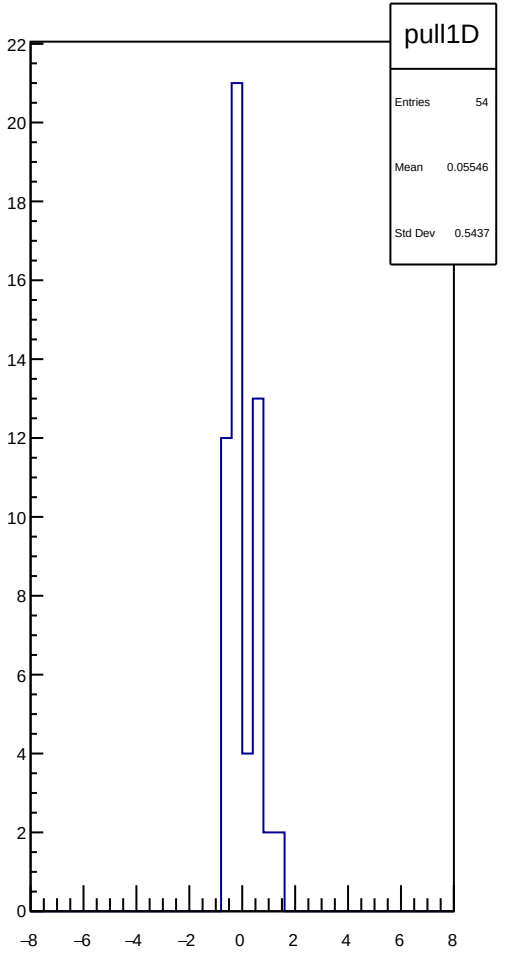

pull1D
Entries 54
Mean 0.3406
Std Dev 1.455

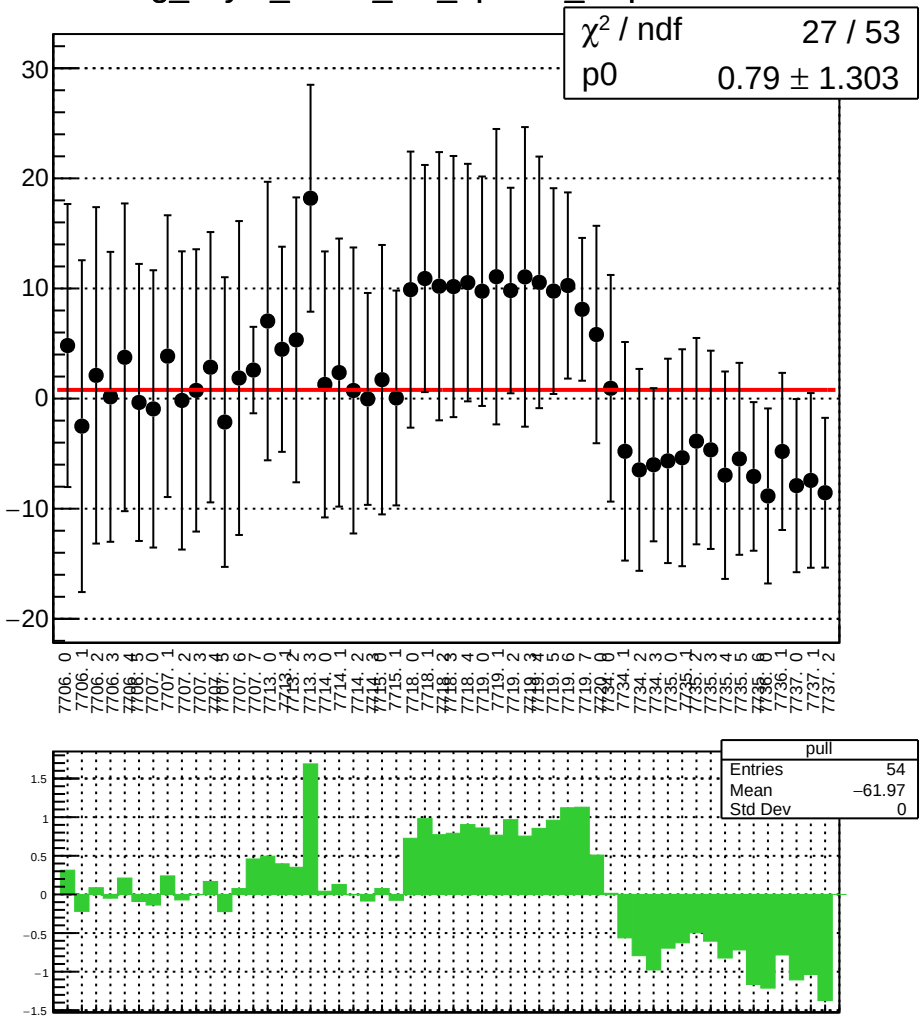

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 48.05 / 53
p0 −162.6 ± 4.114
pull
Entries 54
Mean 19.29
Std Dev 22.6

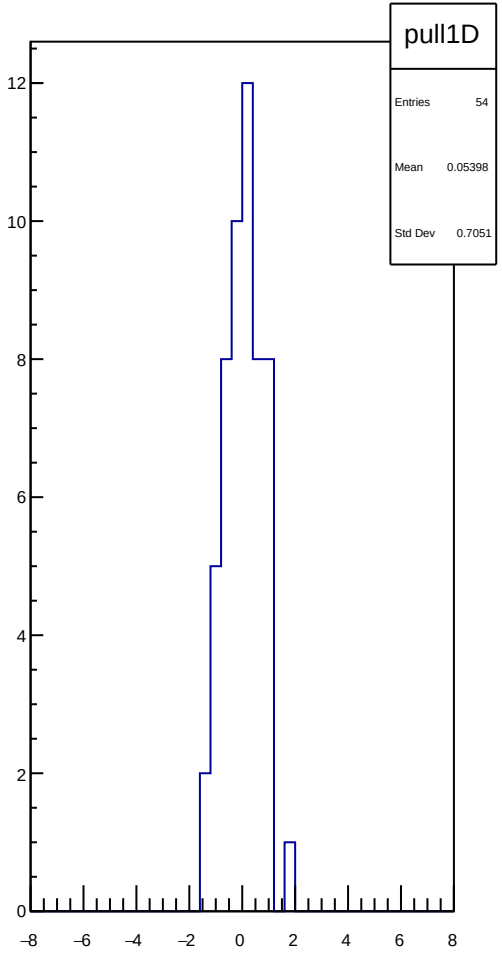

pull1D
Entries 54
Mean 0.3195
Std Dev 0.8876

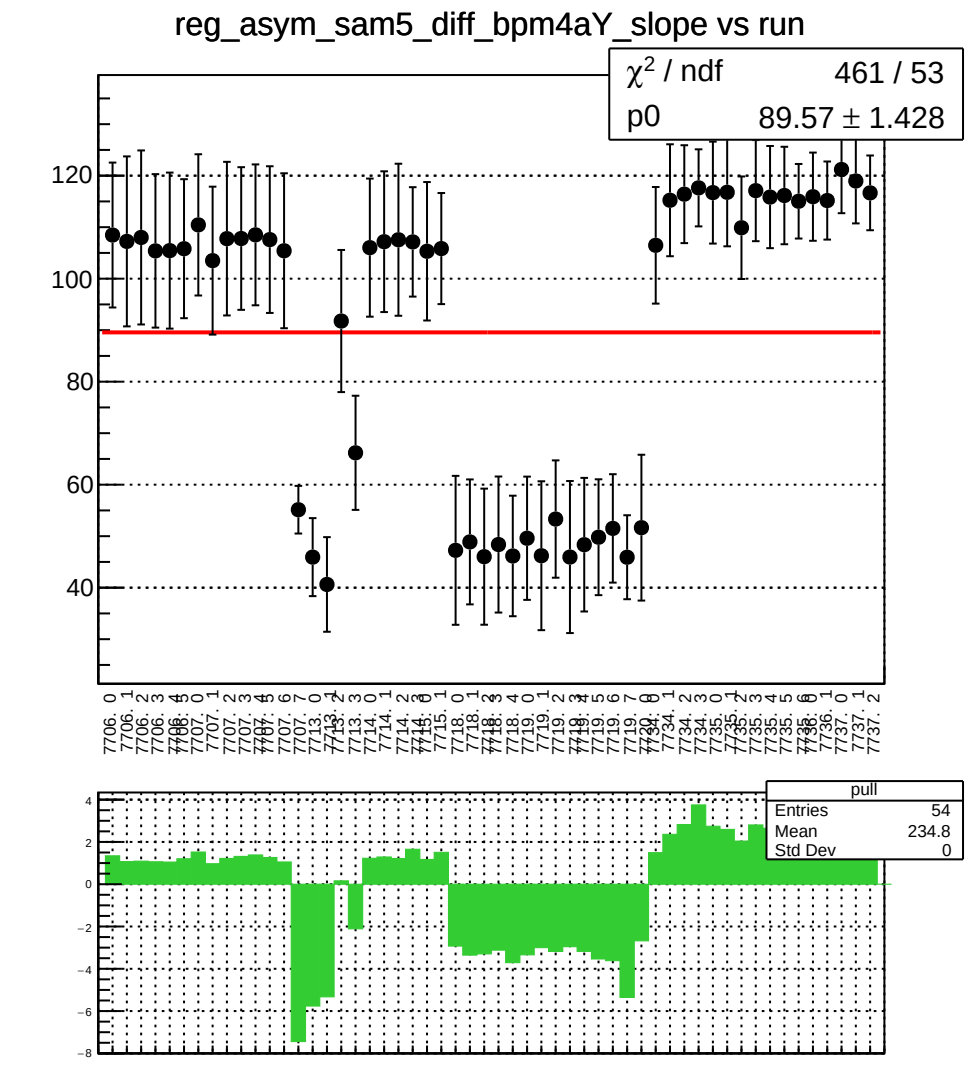

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 135.3 / 53
p0 135.5 ± 7.86
pull
Entries 54
Mean 49.95
Std Dev 14.86
pull1D
Entries 54
Mean −0.3492
Std Dev 1.544

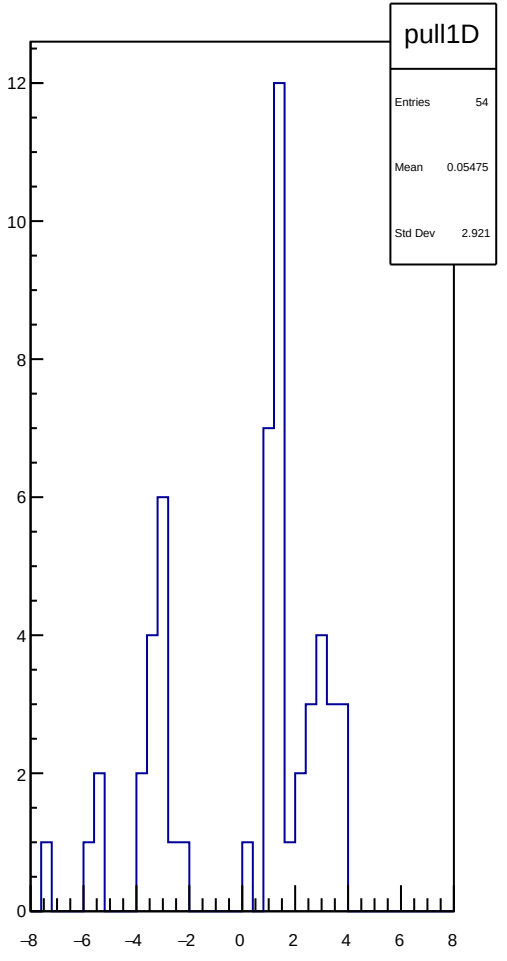

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 16.13 / 53
p0 −1.419 ± 0.3094
pull
Entries 54
Mean −7.95
Std Dev 0

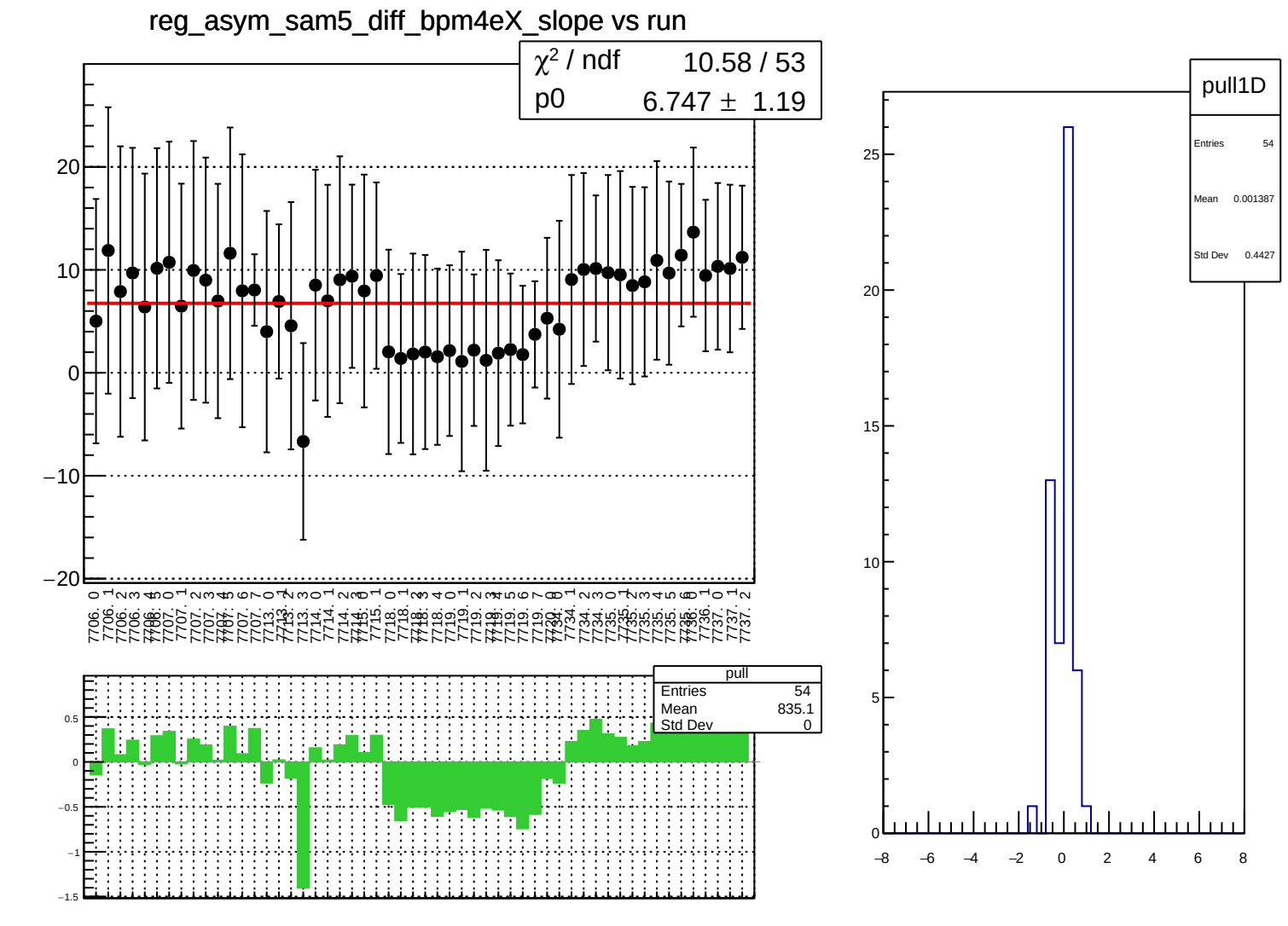

pull1D
Entries 54
Mean 0.05546
Std Dev 0.5437

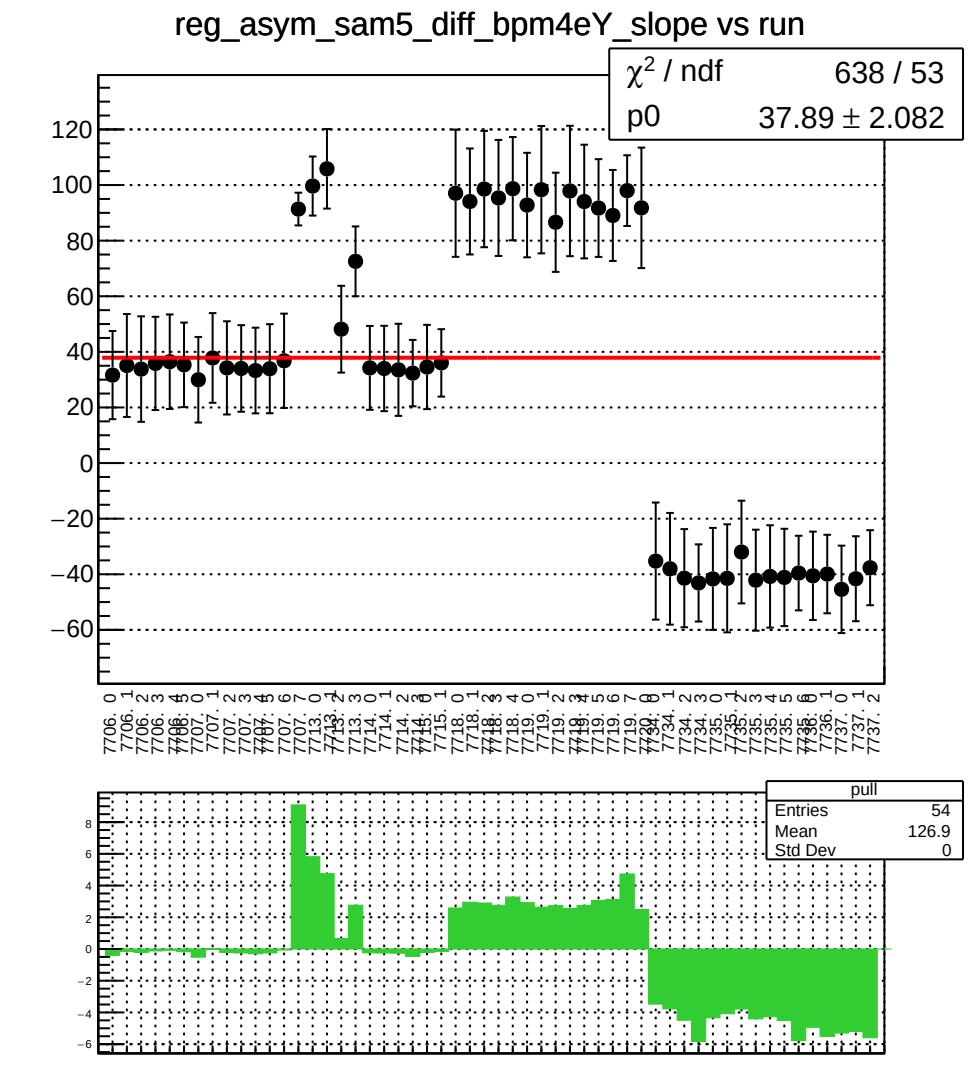

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 27 / 53
p0 0.79 ± 1.303
pull
Entries 54
Mean −61.97
Std Dev 0

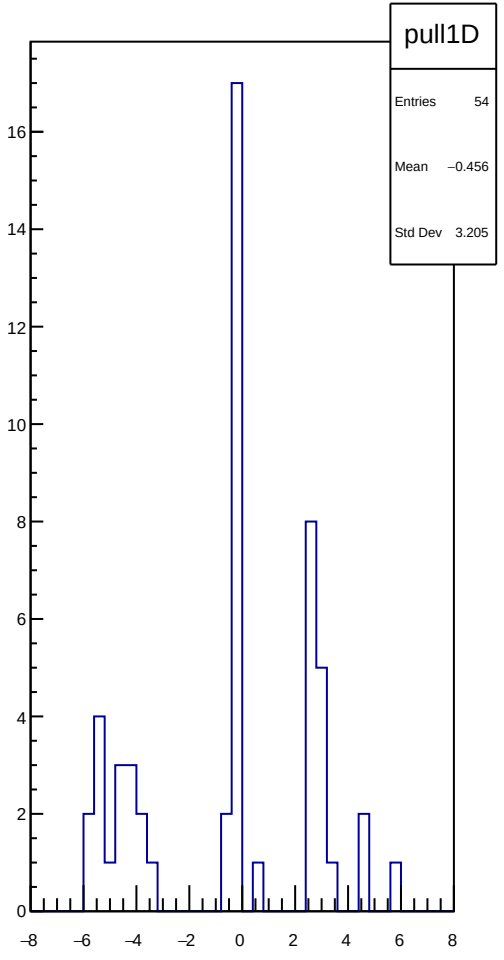

pull1D
Entries 54
Mean 0.05398
Std Dev 0.7051

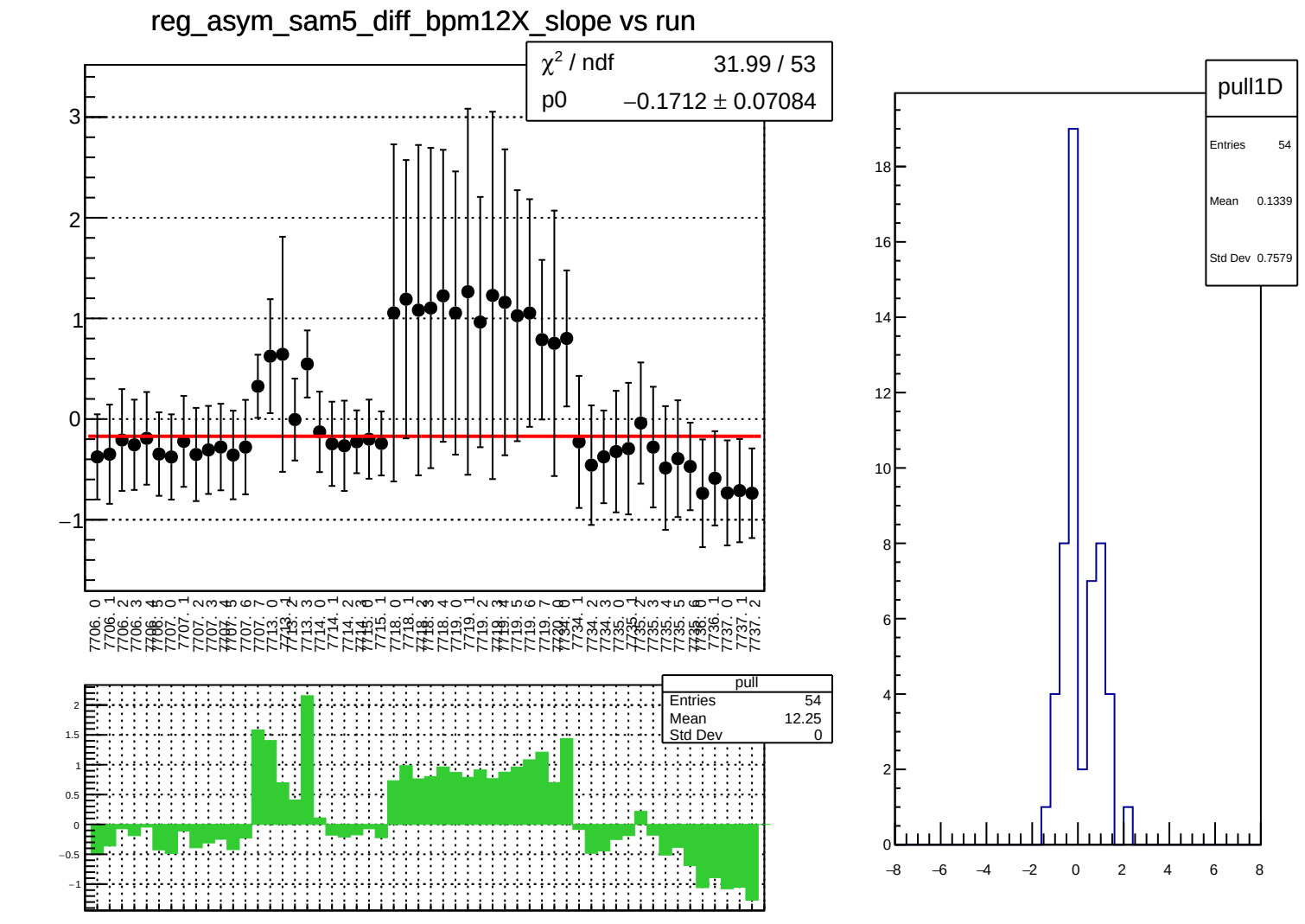

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 461 / 53
p0 89.57 ± 1.428
120
100
80
60
40
pull
Entries 54
Mean 234.8
Std Dev 0
4
2
0
−2
−4
−6
−8

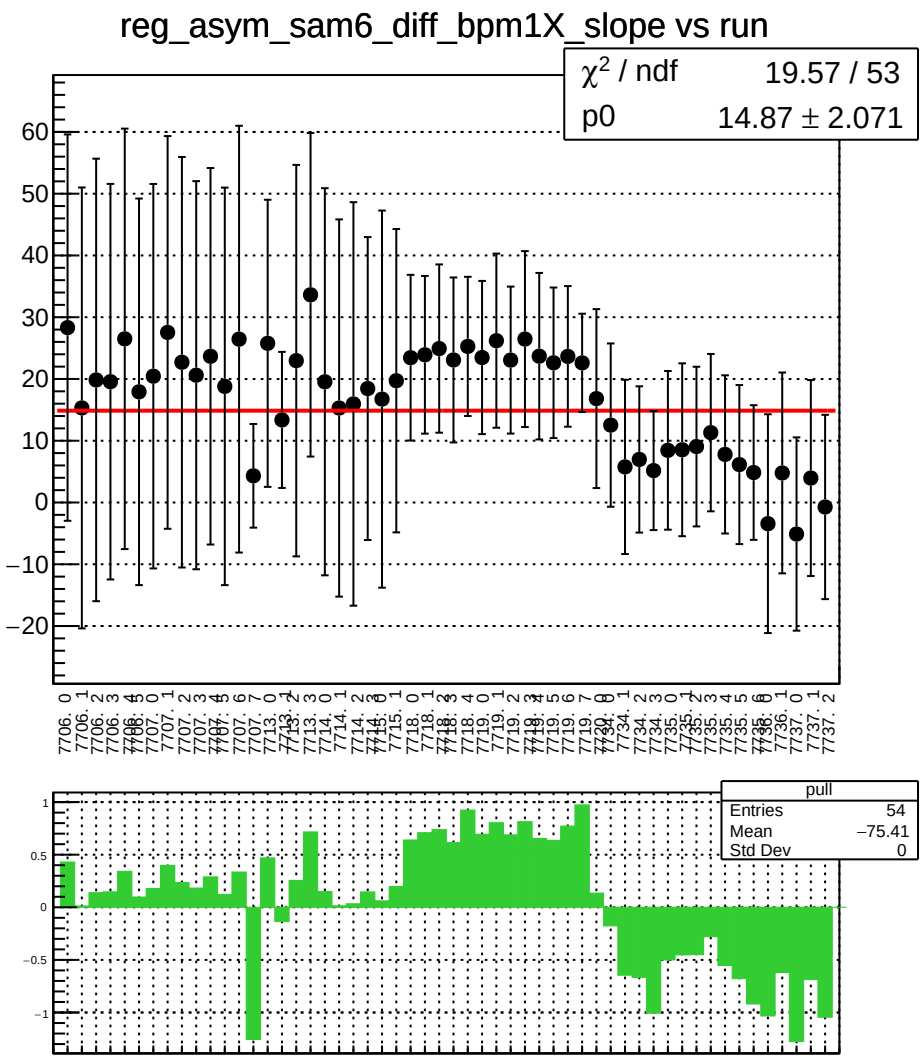

pull1D
Entries 54
Mean 0.05475
Std Dev 2.921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

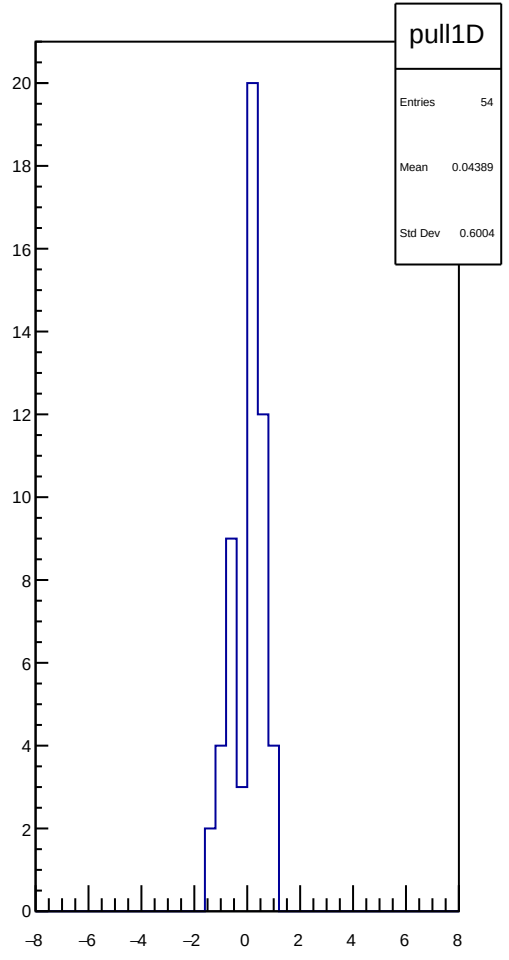

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.58 / 53
p0 6.747 ± 1.19
pull
Entries 54
Mean 835.1
Std Dev 0
pull1D
Entries 54
Mean 0.001387
Std Dev 0.4427

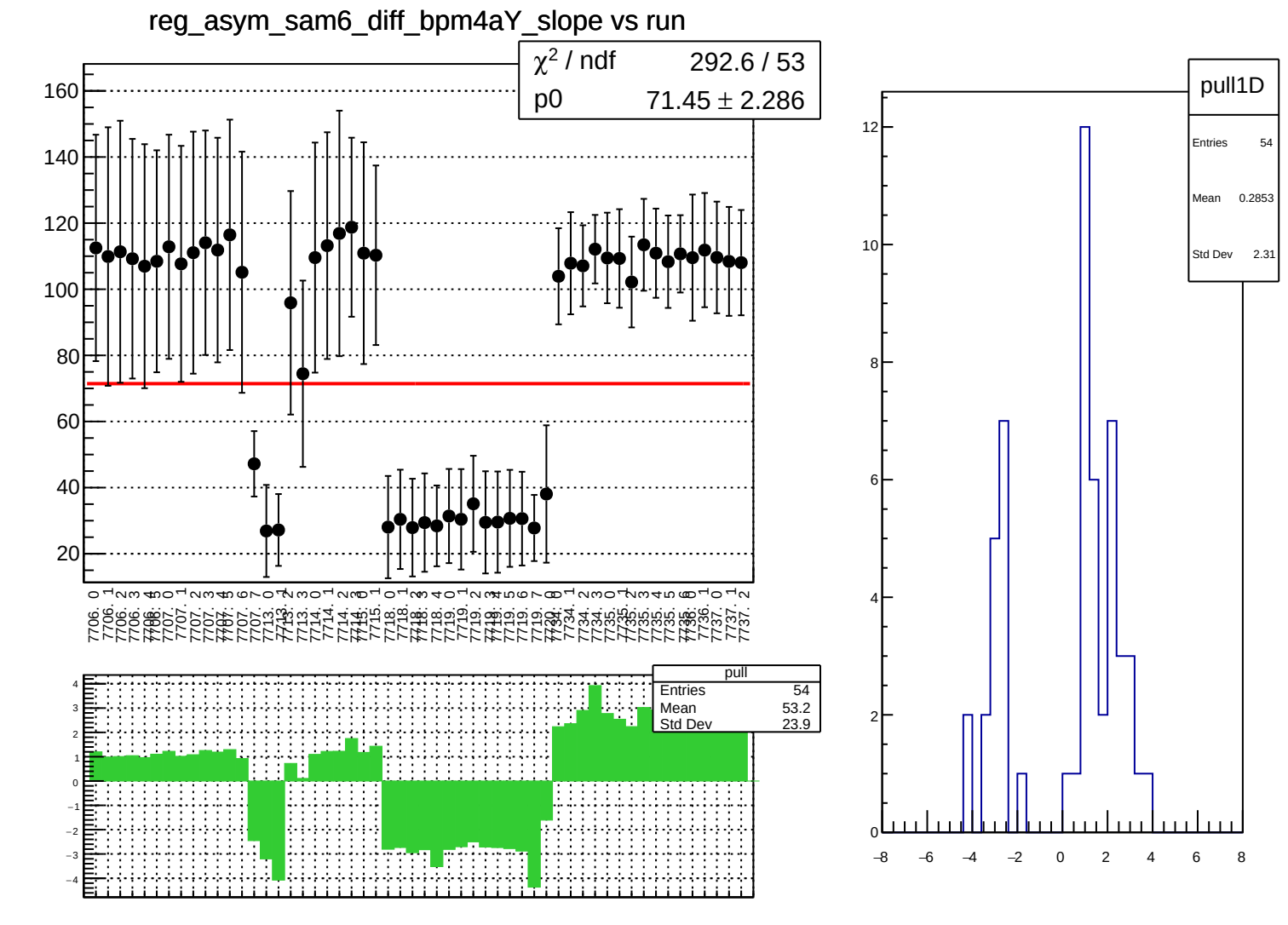

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 638 / 53
p0 37.89 ± 2.082
pull
Entries 54
Mean 126.9
Std Dev 0

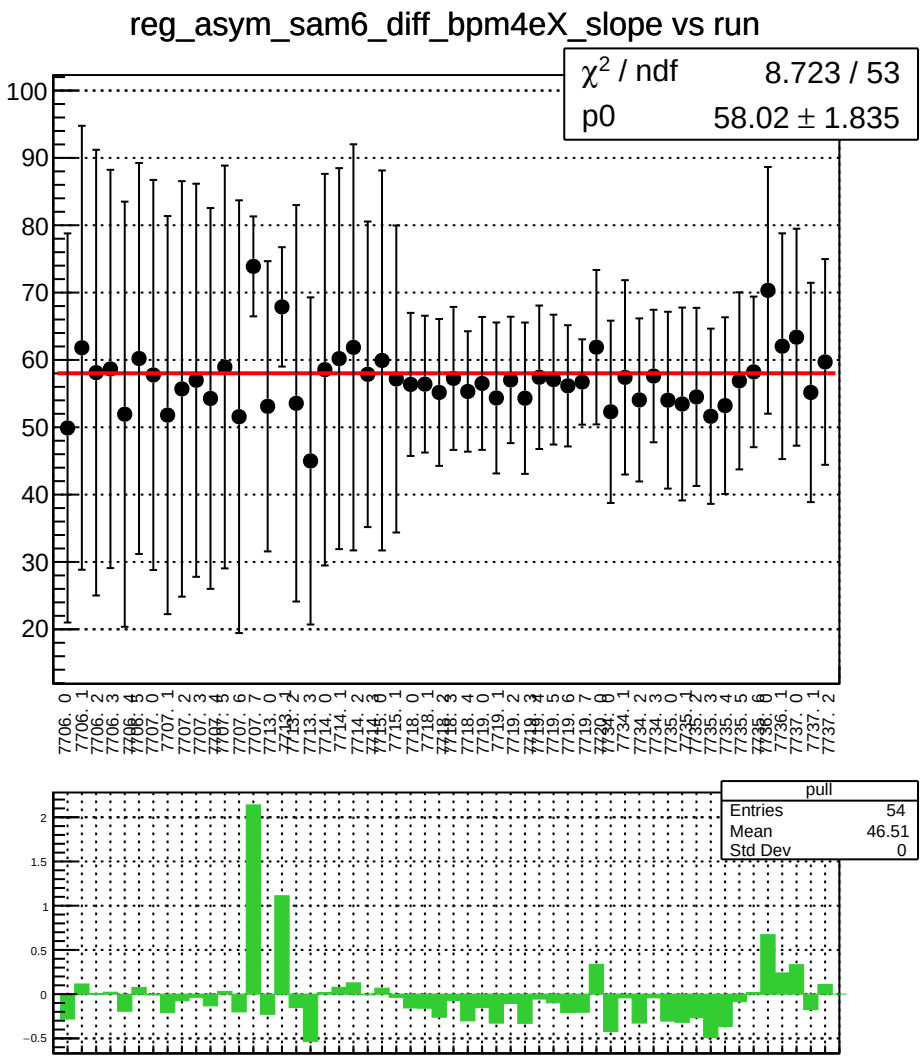

pull1D
Entries 54
Mean −0.456
Std Dev 3.205

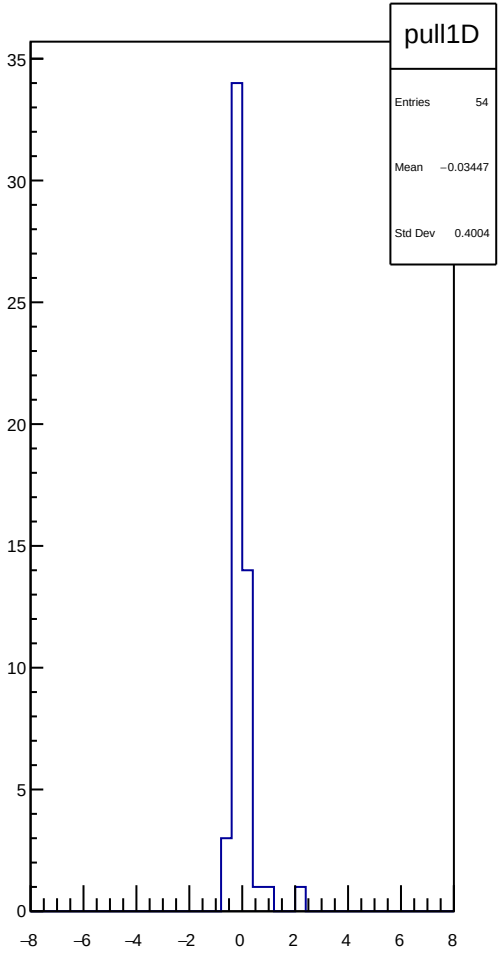

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 31.99 / 53
p0 −0.1712 ± 0.07084
pull
Entries 54
Mean 12.25
Std Dev 0
pull1D
Entries 54
Mean 0.1339
Std Dev 0.7579

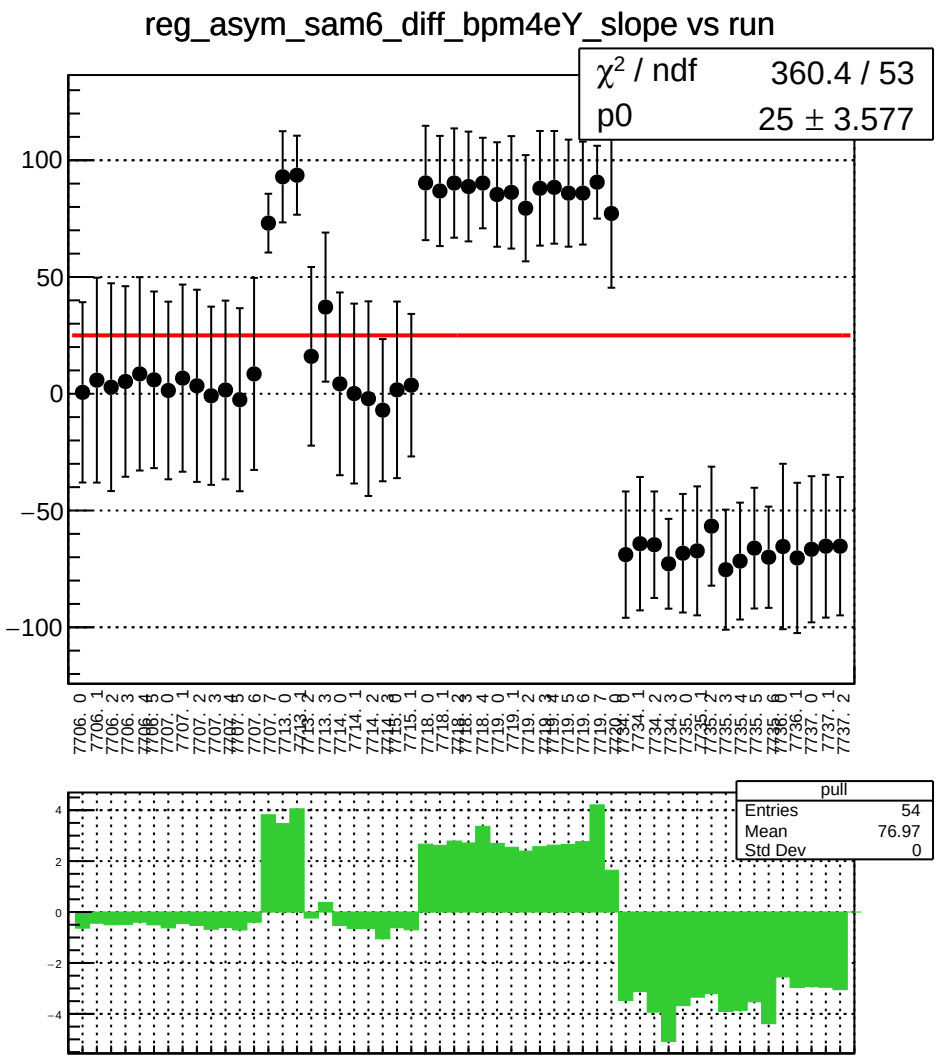

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 19.57 / 53
p0 14.87 ± 2.071
pull
Entries 54
Mean −75.41
Std Dev 0

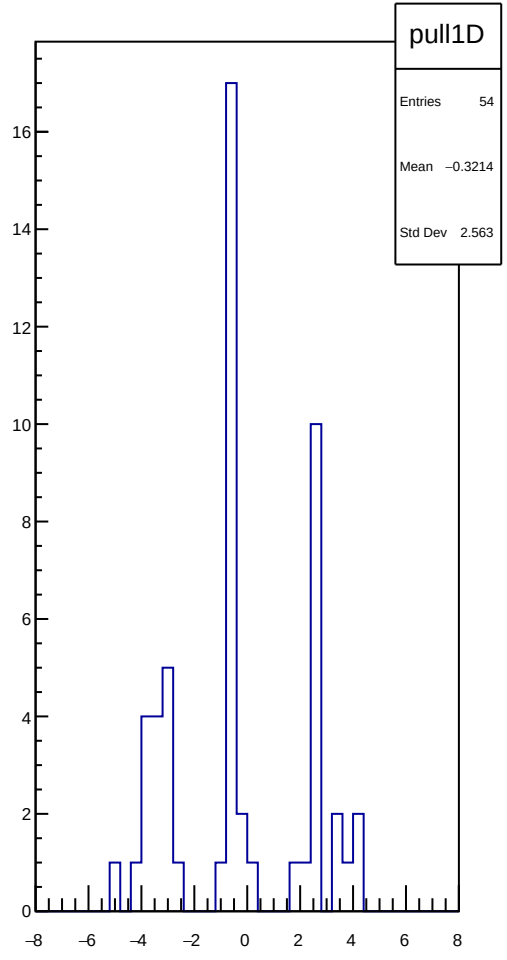

pull1D
Entries 54
Mean 0.04389
Std Dev 0.6004

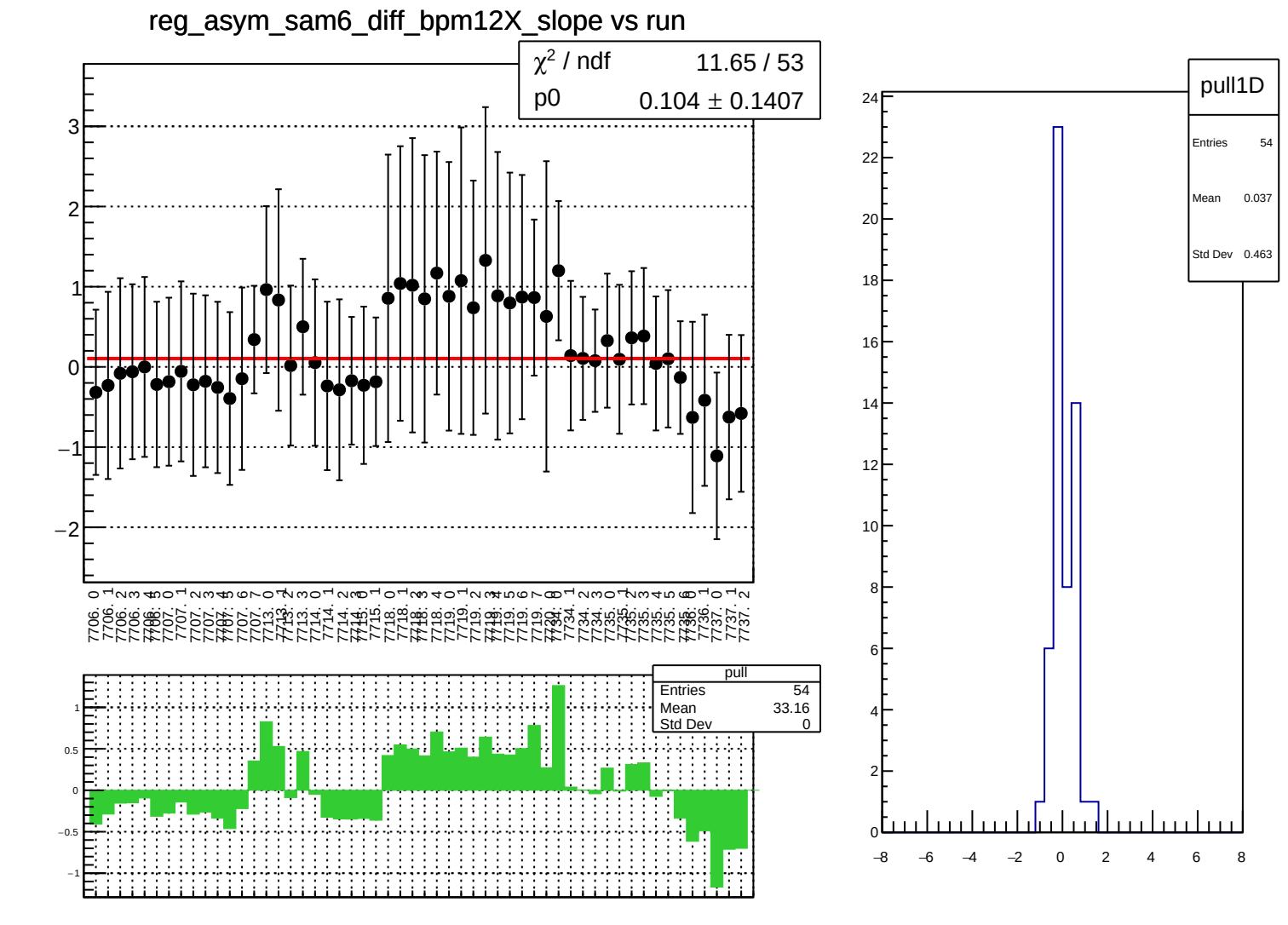

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 292.6 / 53
p0 71.45 ± 2.286
160
140
120
100
80
60
40
20
pull
Entries 54
Mean 53.2
Std Dev 23.9
pull1D
Entries 54
Mean 0.2853
Std Dev 2.31
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

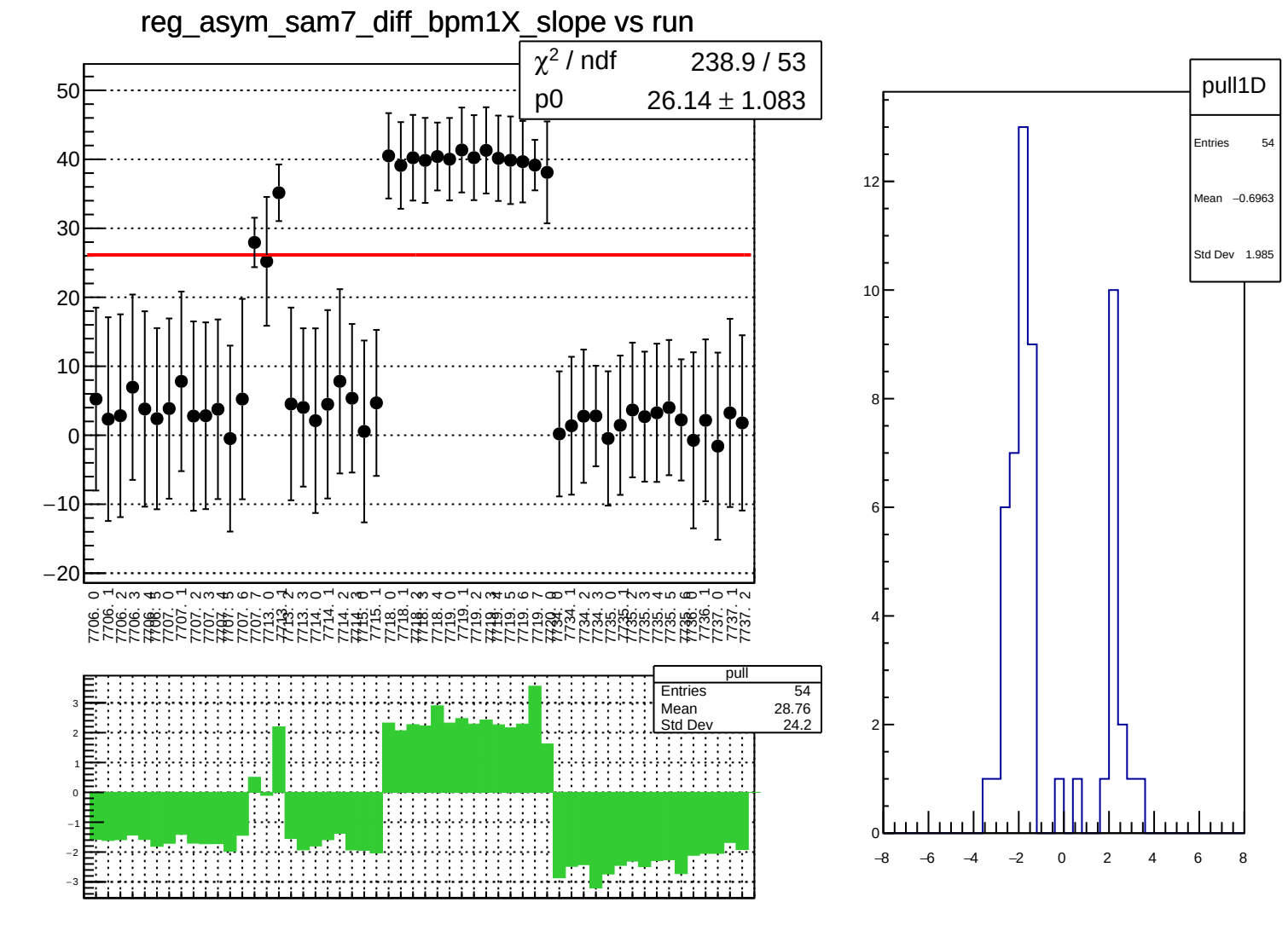

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.723 / 53
p0 58.02 ± 1.835
pull
Entries 54
Mean 46.51
Std Dev 0

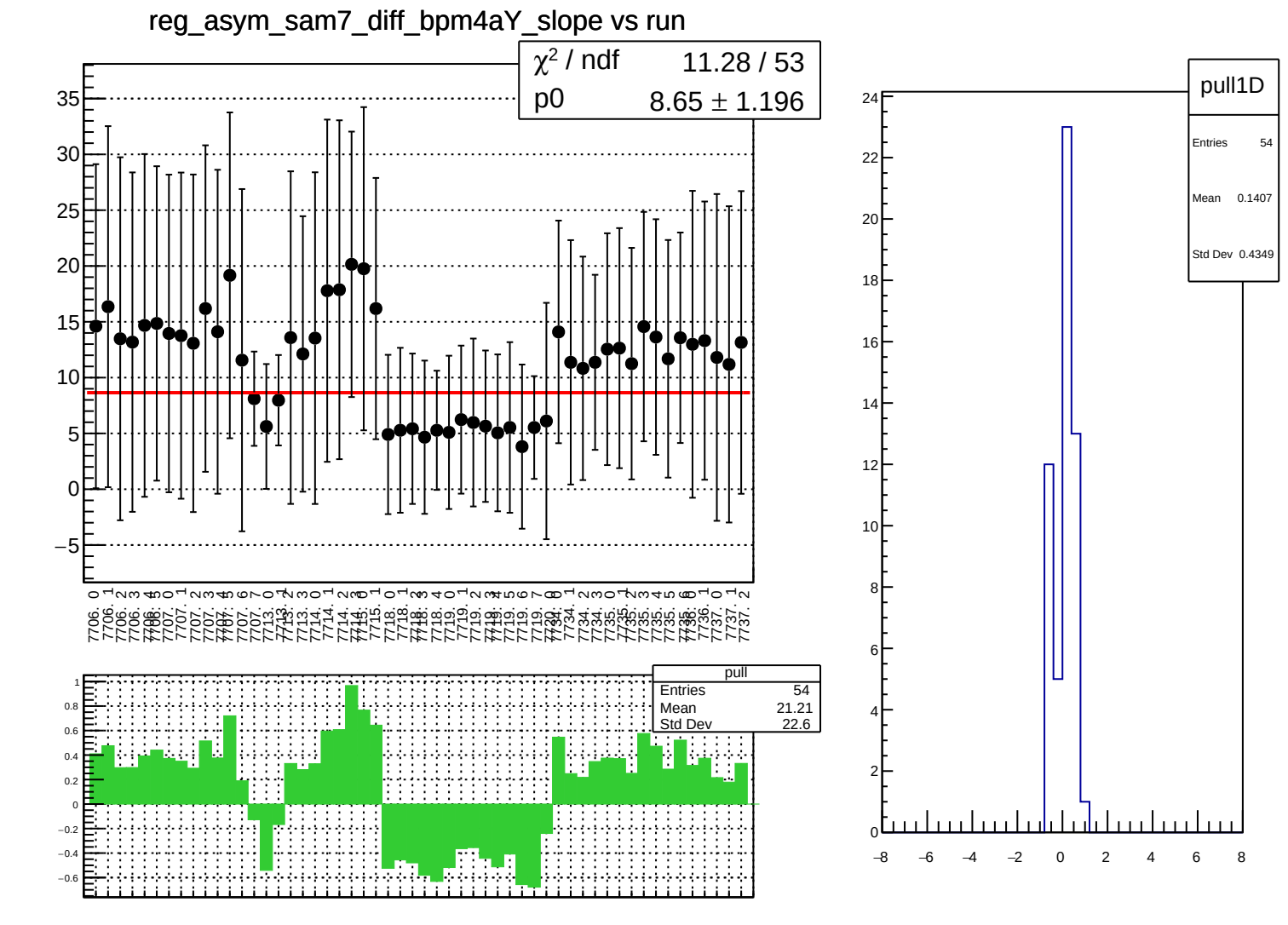

pull1D
Entries 54
Mean −0.03447
Std Dev 0.4004

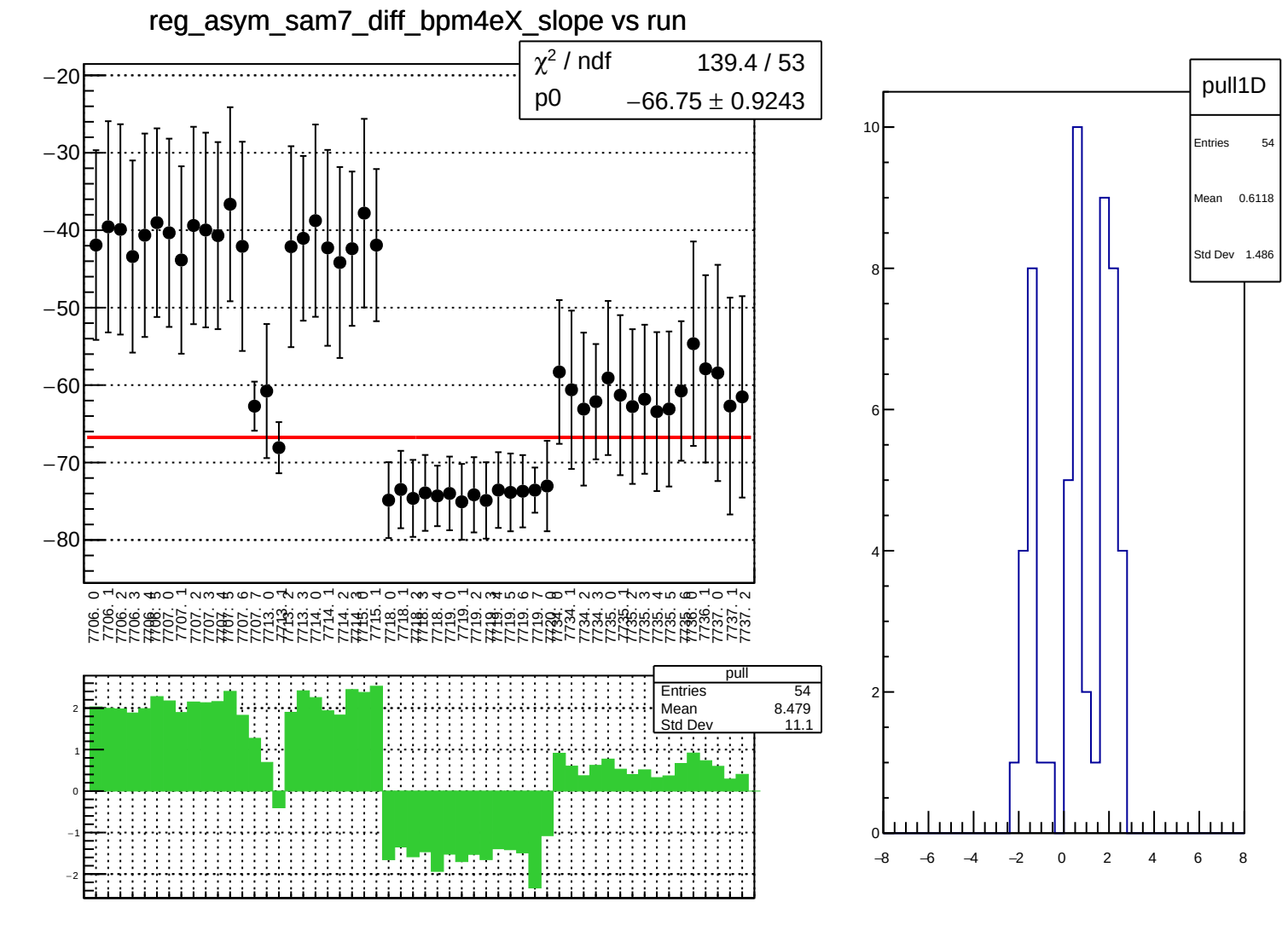

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 360.4 / 53
p0 25 ± 3.577
100
50
0
−50
−100
pull
Entries 54
Mean 76.97
Std Dev 0
4
2
0
−2
−4

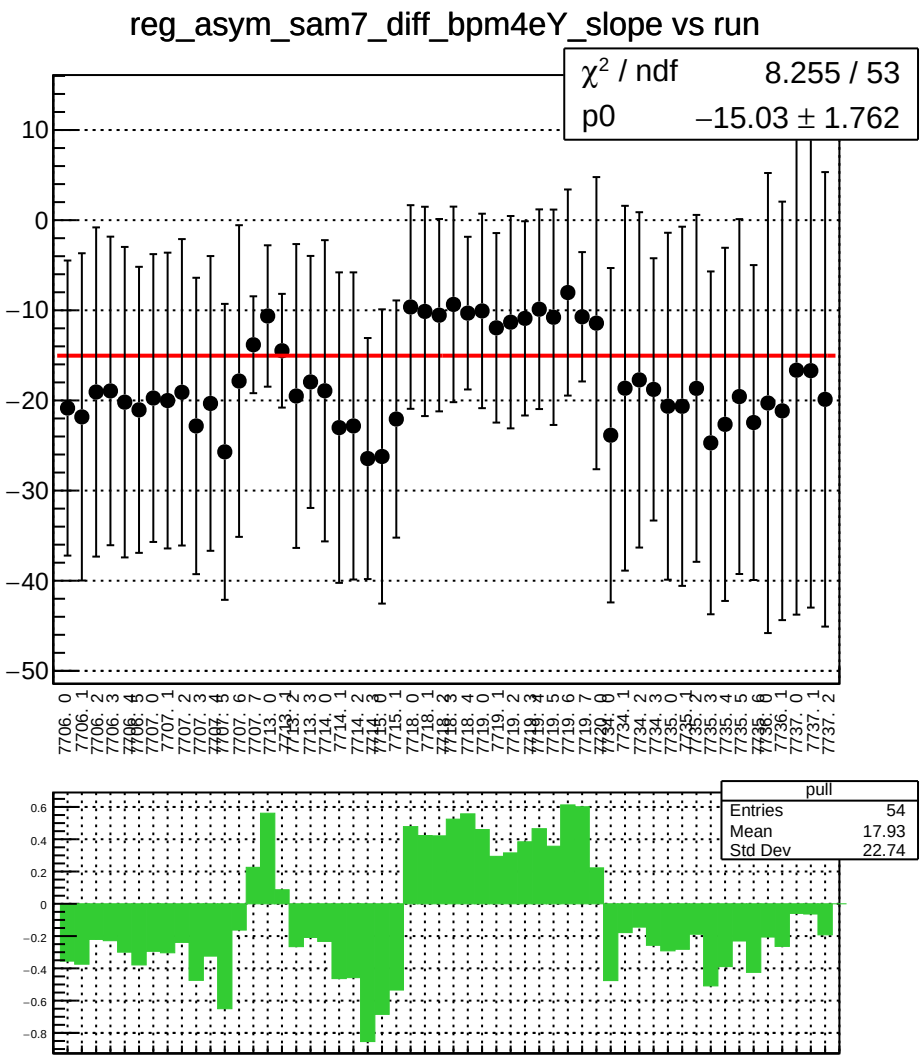

pull1D
Entries 54
Mean −0.3214
Std Dev 2.563
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

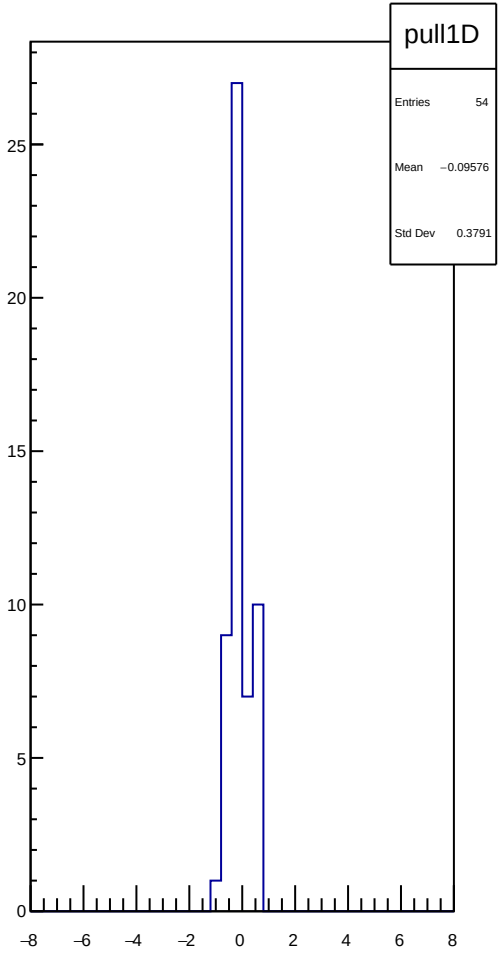

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 11.65 / 53
p0 0.104 ± 0.1407
pull
Entries 54
Mean 33.16
Std Dev 0
pull1D
Entries 54
Mean 0.037
Std Dev 0.463

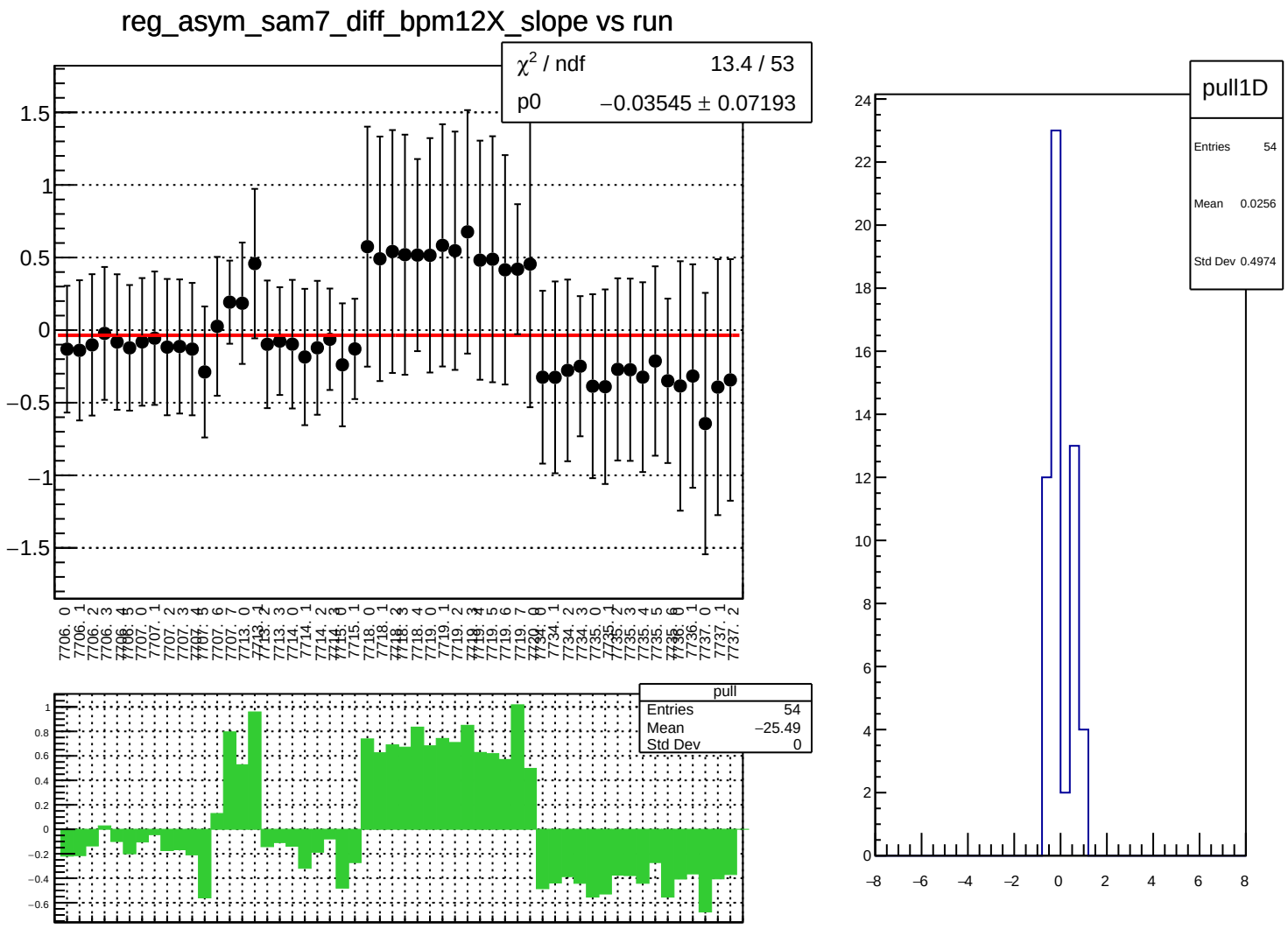

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 238.9 / 53
p0 26.14 ± 1.083
pull
Entries 54
Mean 28.76
Std Dev 24.2
pull1D
Entries 54
Mean −0.6963
Std Dev 1.985

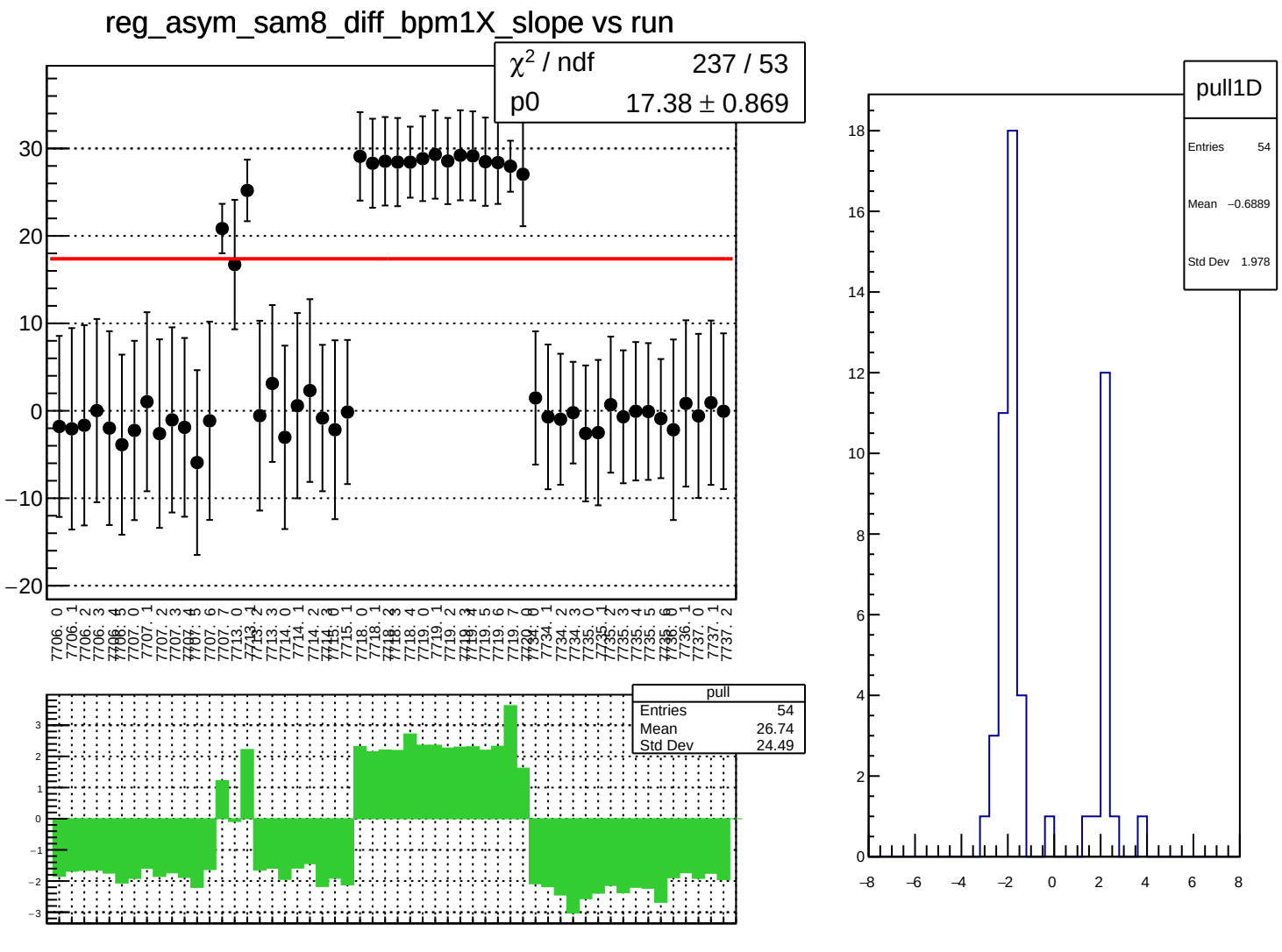

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 11.28 / 53
p0 8.65 ± 1.196
pull
Entries 54
Mean 21.21
Std Dev 22.6
pull1D
Entries 54
Mean 0.1407
Std Dev 0.4349

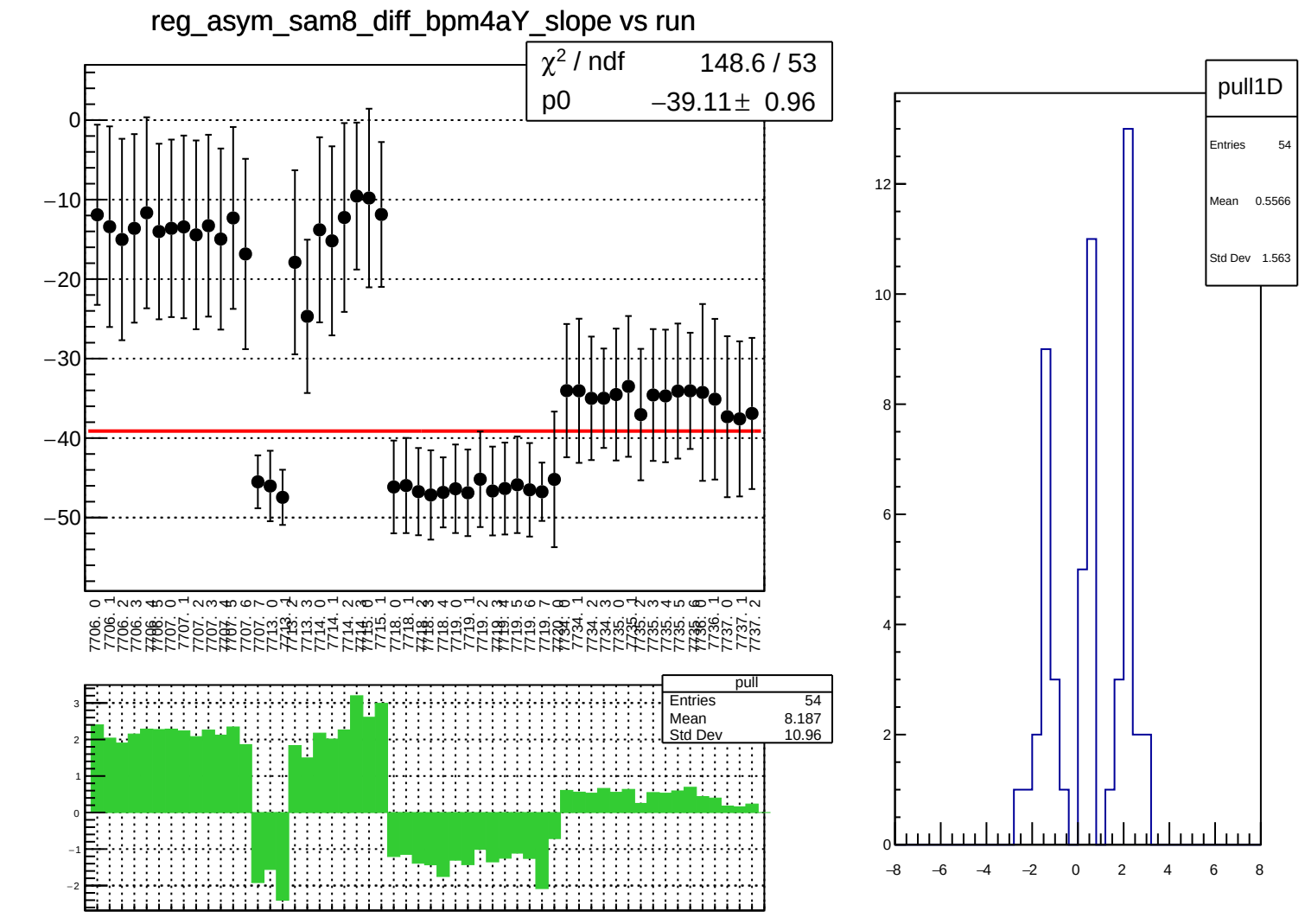

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 139.4 / 53
p0 −66.75 ± 0.9243
pull
Entries 54
Mean 8.479
Std Dev 11.1
pull1D
Entries 54
Mean 0.6118
Std Dev 1.486

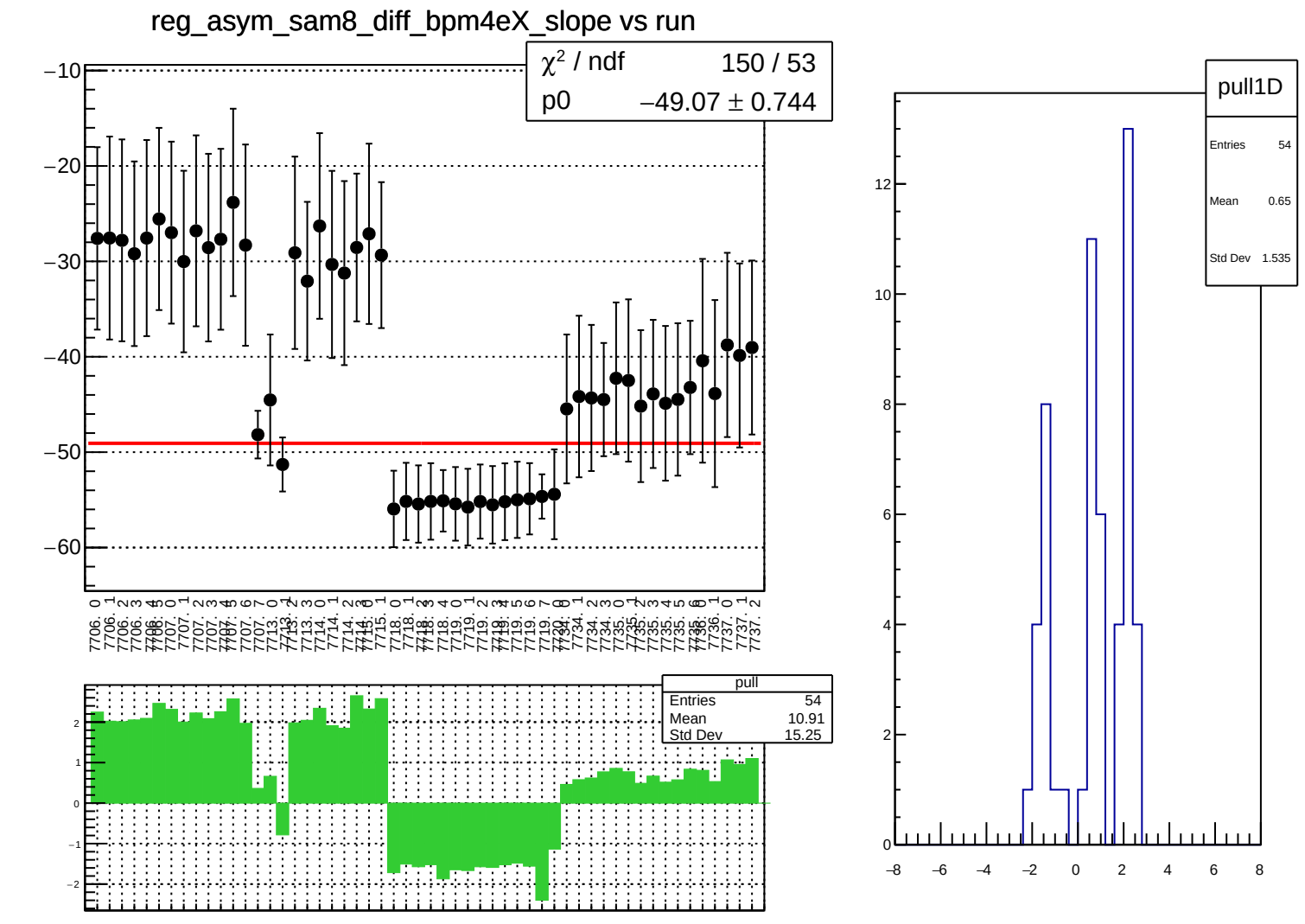

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 8.255 / 53
p0 −15.03 ± 1.762
pull
Entries 54
Mean 17.93
Std Dev 22.74

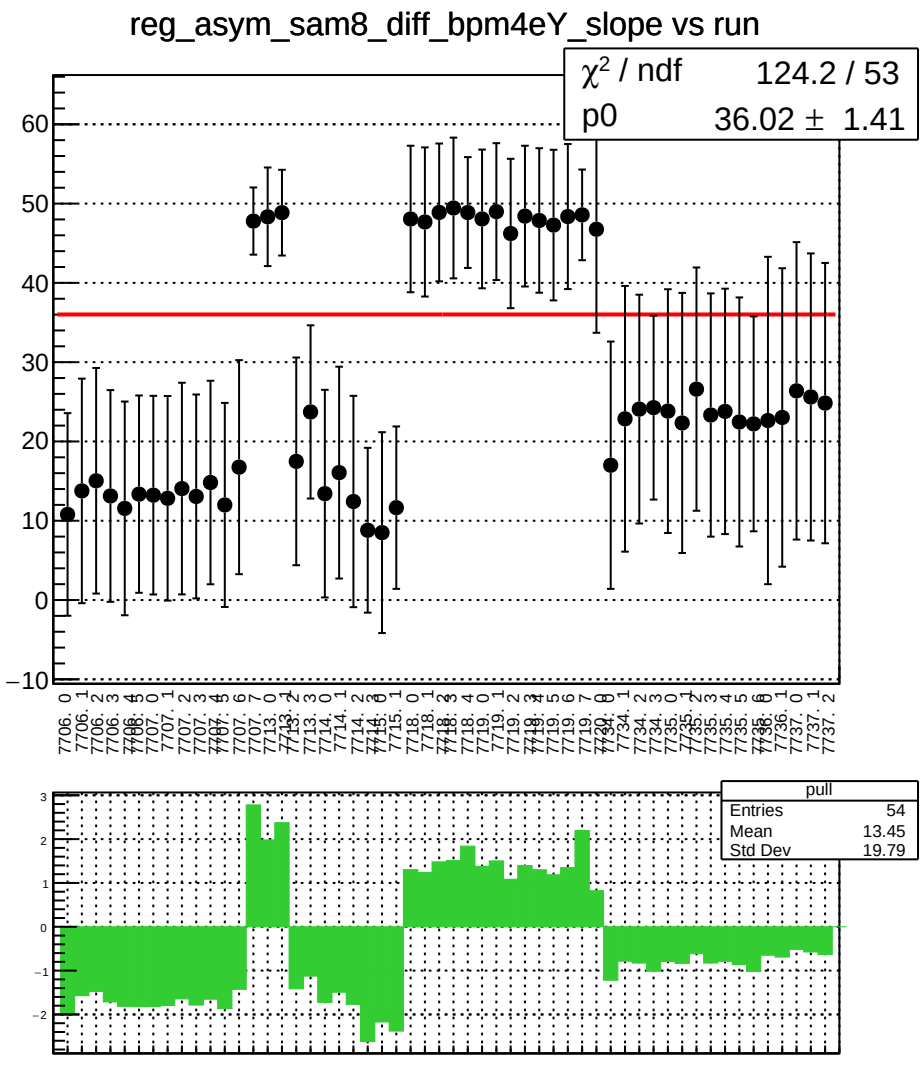

pull1D
Entries 54
Mean −0.09576
Std Dev 0.3791

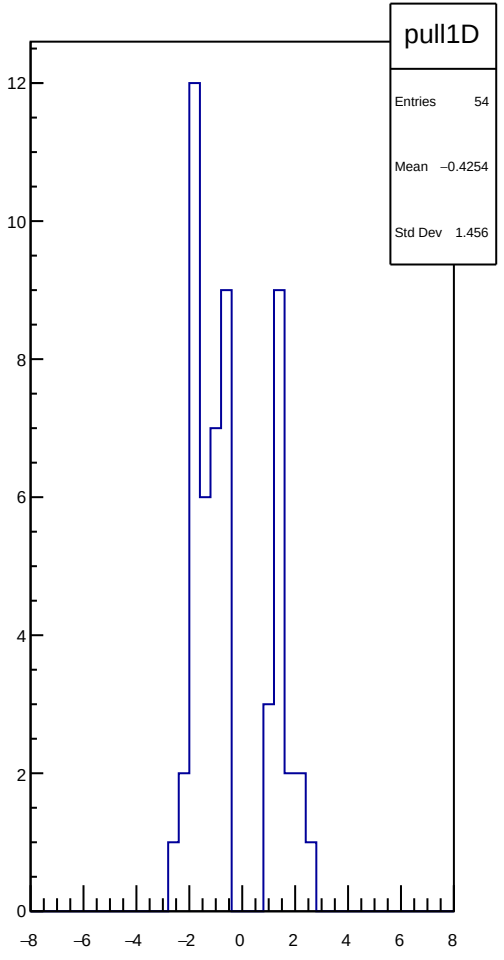

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 13.4 / 53
p0 −0.03545 ± 0.07193
pull
Entries 54
Mean −25.49
Std Dev 0
pull1D
Entries 54
Mean 0.0256
Std Dev 0.4974

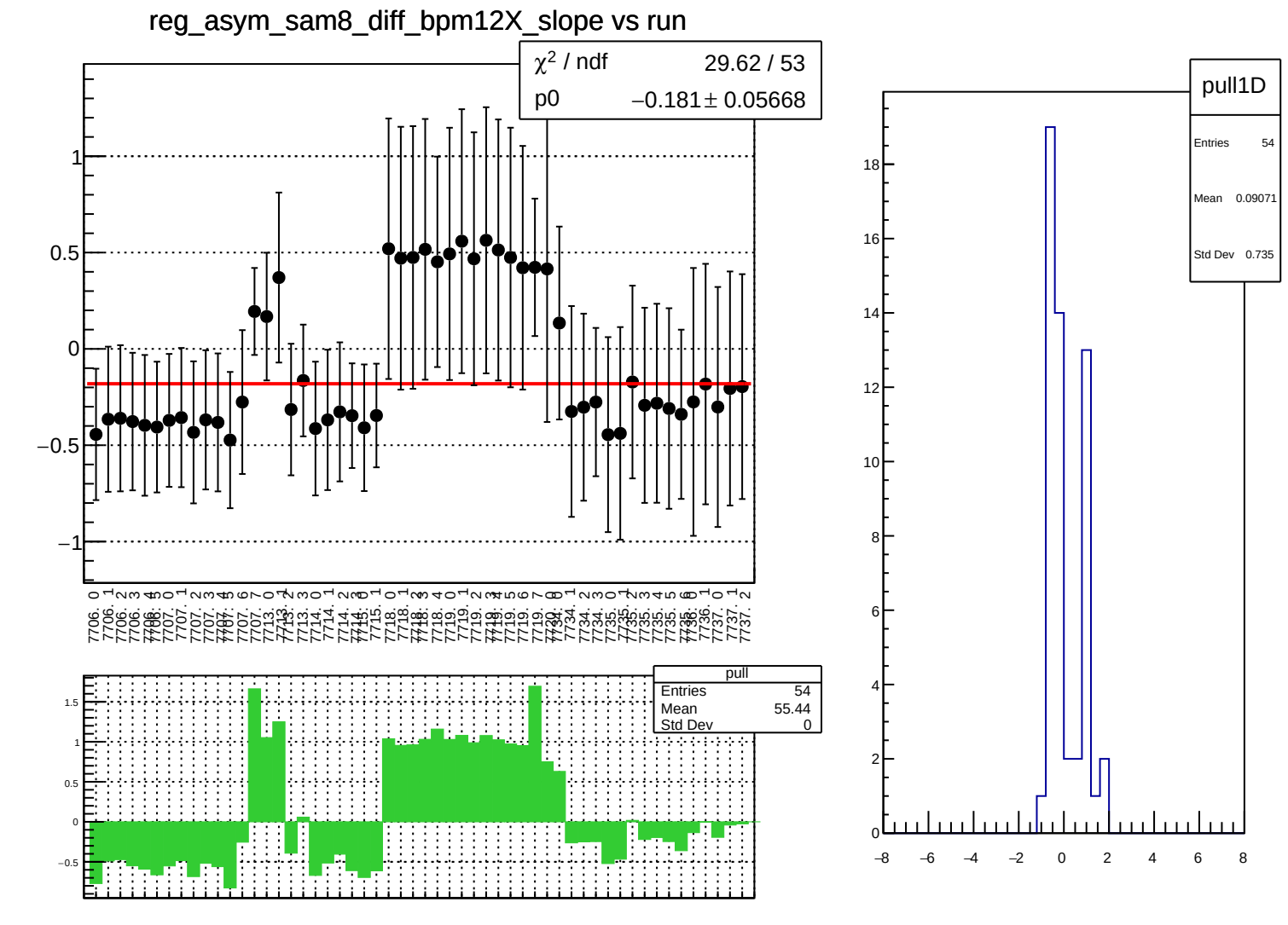

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 237 / 53
p0 17.38 ± 0.869
pull
Entries 54
Mean 26.74
Std Dev 24.49
pull1D
Entries 54
Mean −0.6889
Std Dev 1.978

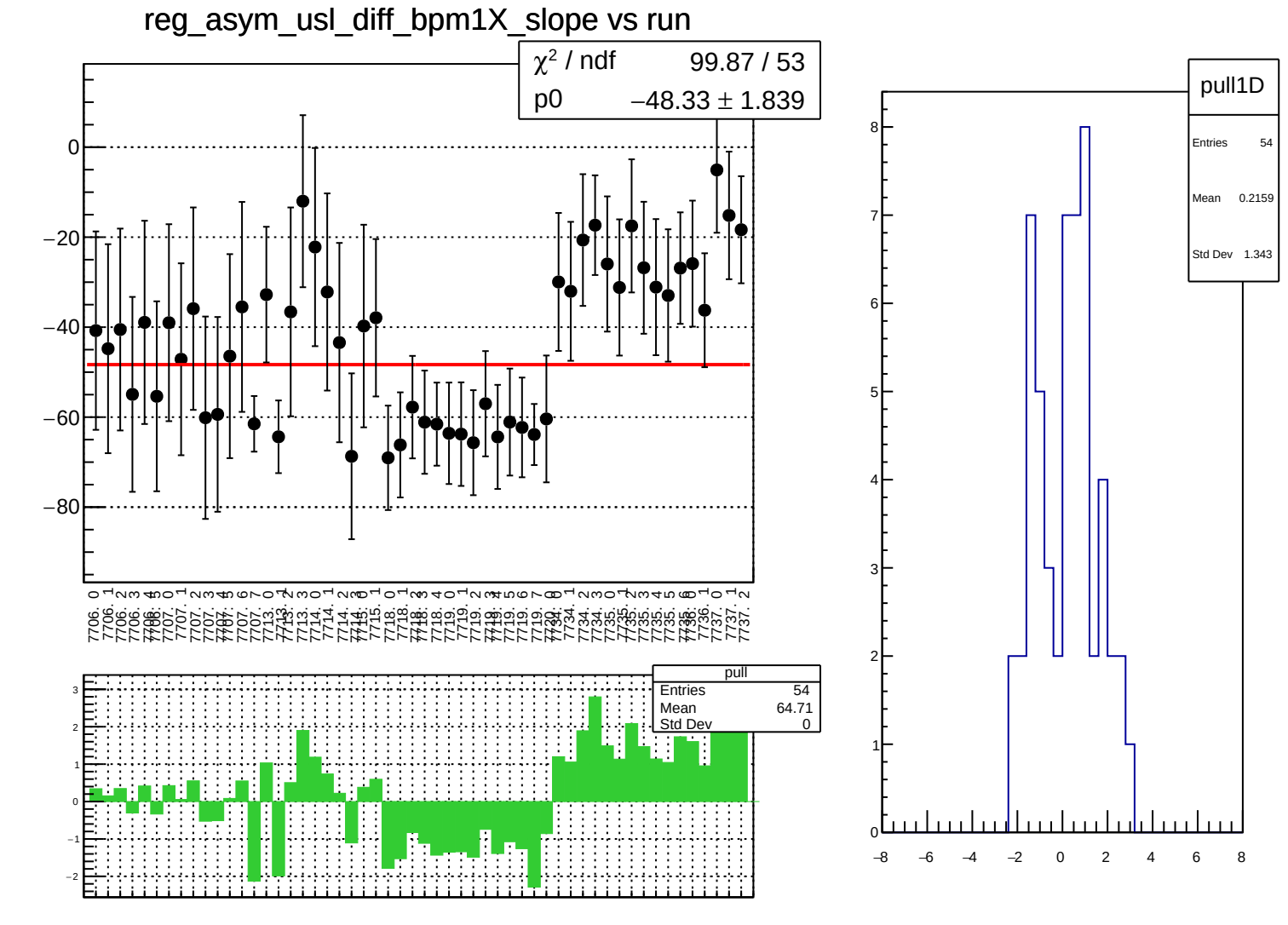

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 148.6 / 53
p0 −39.11 ± 0.96
pull
Entries 54
Mean 8.187
Std Dev 10.96
pull1D
Entries 54
Mean 0.5566
Std Dev 1.563

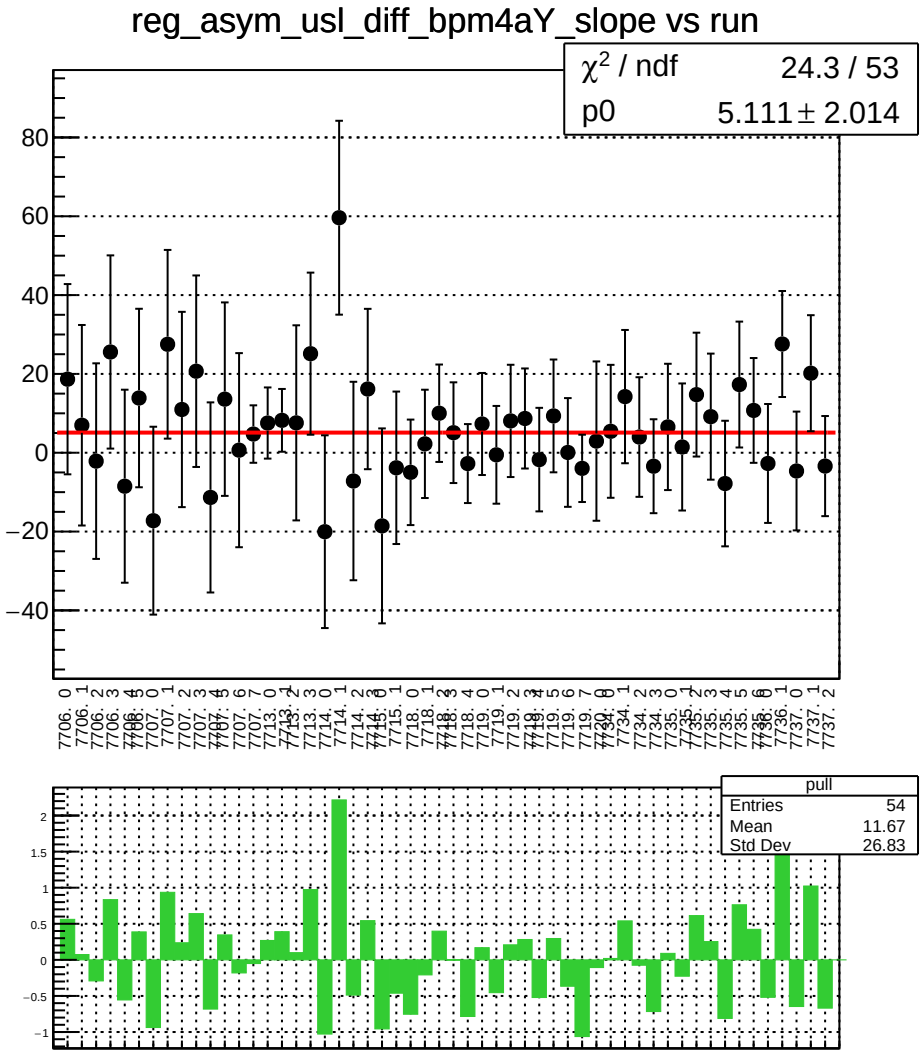

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 150 / 53
p0 −49.07 ± 0.744
pull
Entries 54
Mean 10.91
Std Dev 15.25
pull1D
Entries 54
Mean 0.65
Std Dev 1.535

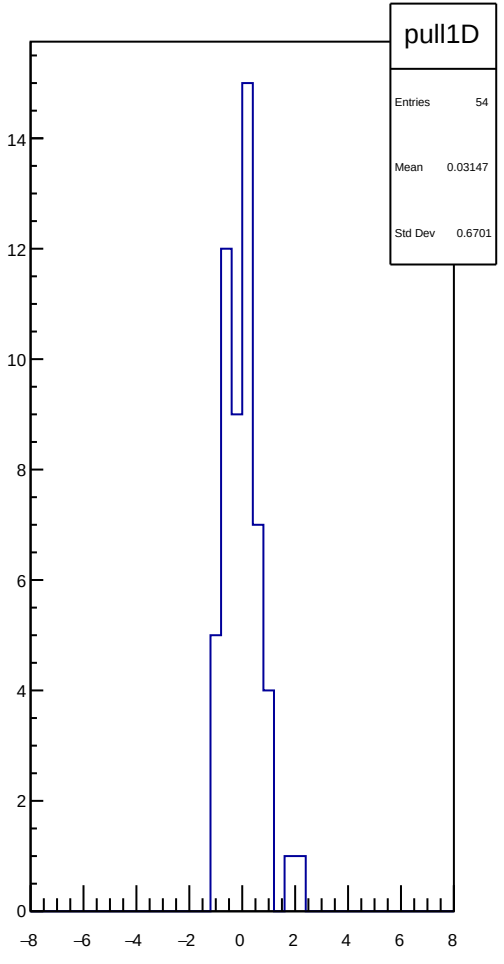

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 124.2 / 53
p0 36.02 ± 1.41
pull
Entries 54
Mean 13.45
Std Dev 19.79

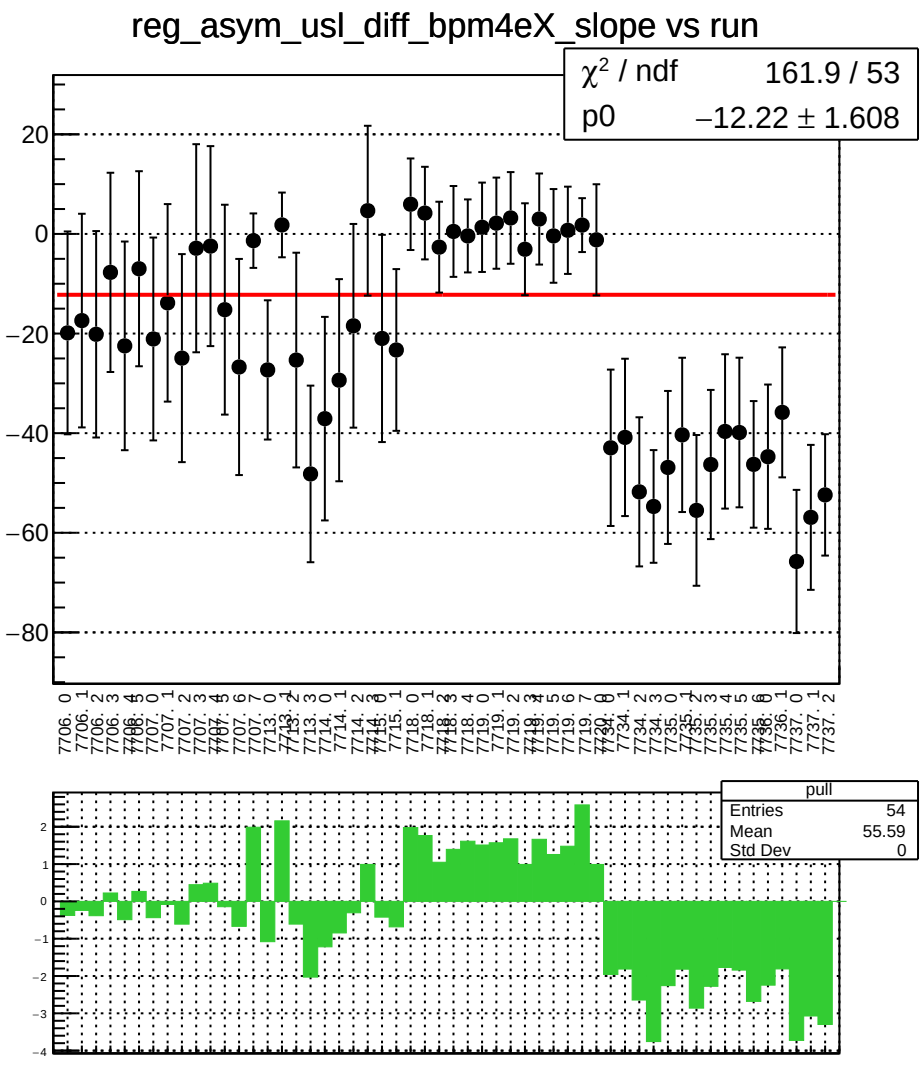

pull1D
Entries 54
Mean −0.4254
Std Dev 1.456

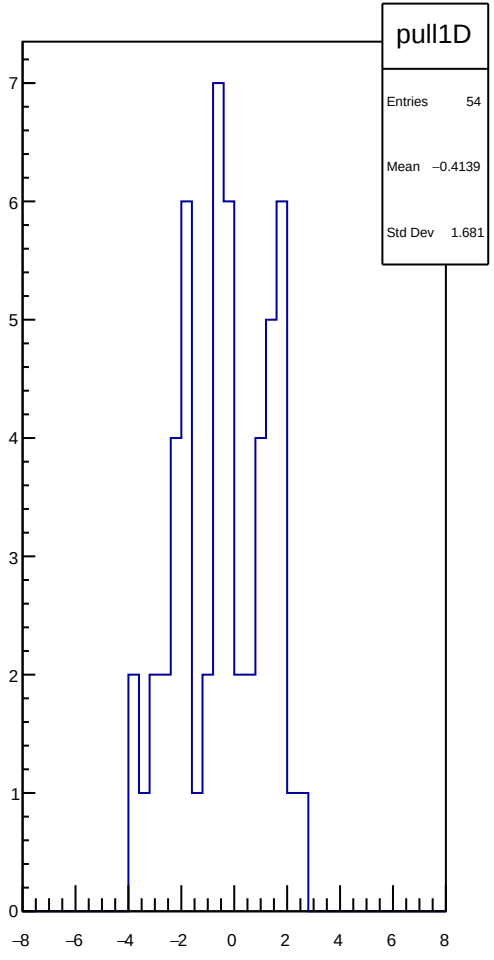

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 29.62 / 53
p0 −0.181 ± 0.05668
pull
Entries 54
Mean 55.44
Std Dev 0
pull1D
Entries 54
Mean 0.09071
Std Dev 0.735

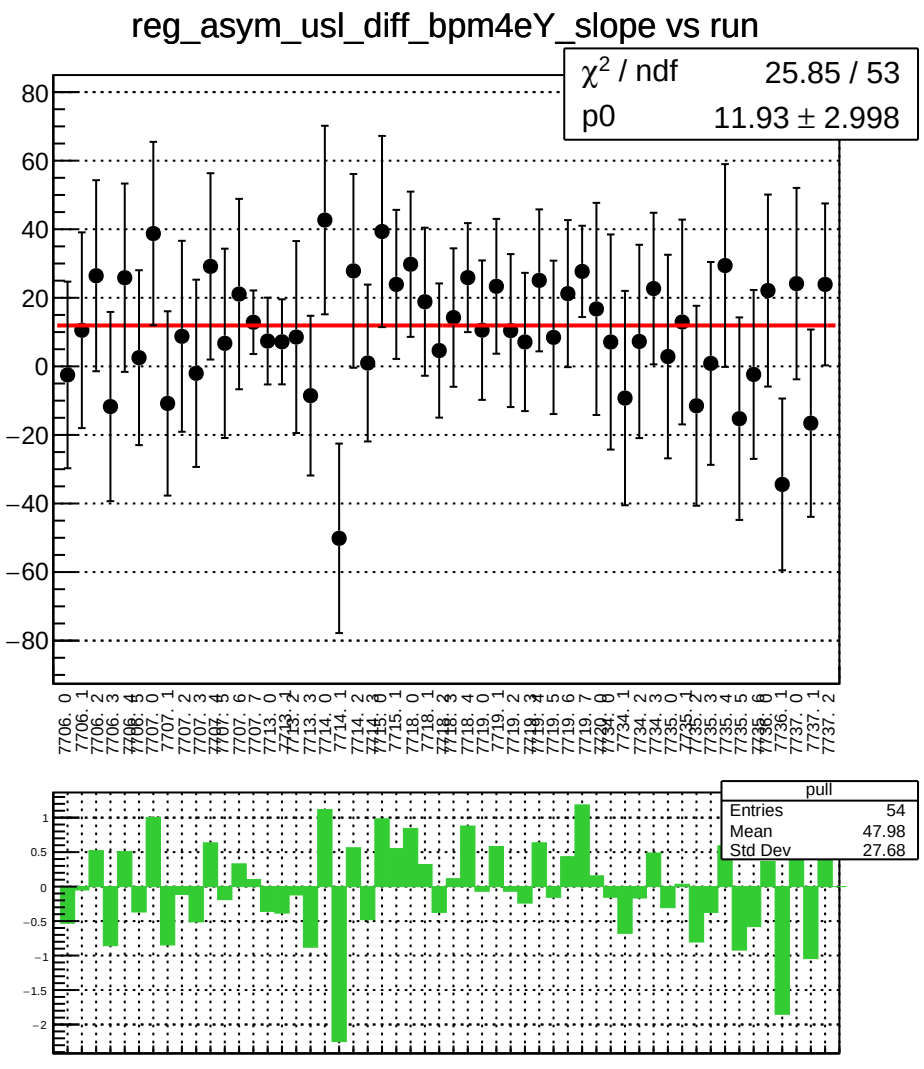

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 99.87 / 53
p0 −48.33 ± 1.839
pull
Entries 54
Mean 64.71
Std Dev 0
pull1D
Entries 54
Mean 0.2159
Std Dev 1.343

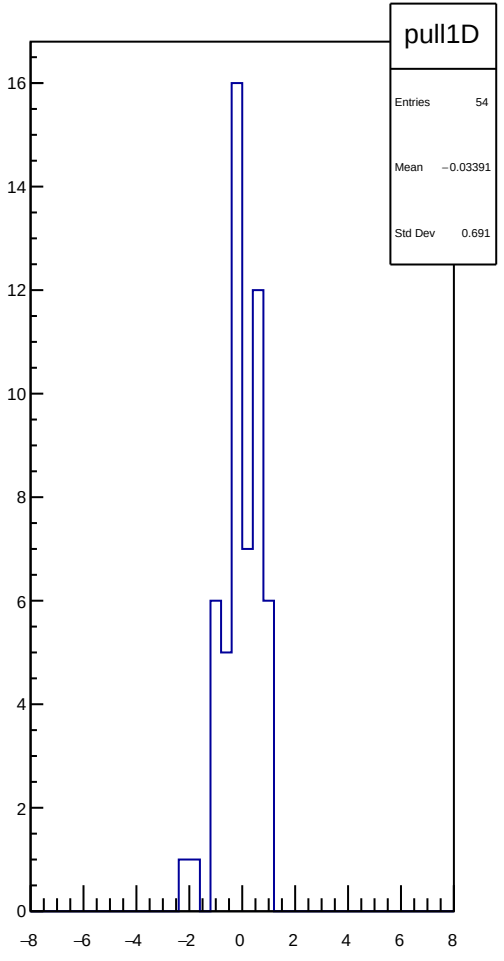

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.3 / 53
p0 5.111 ± 2.014
pull
Entries 54
Mean 11.67
Std Dev 26.83

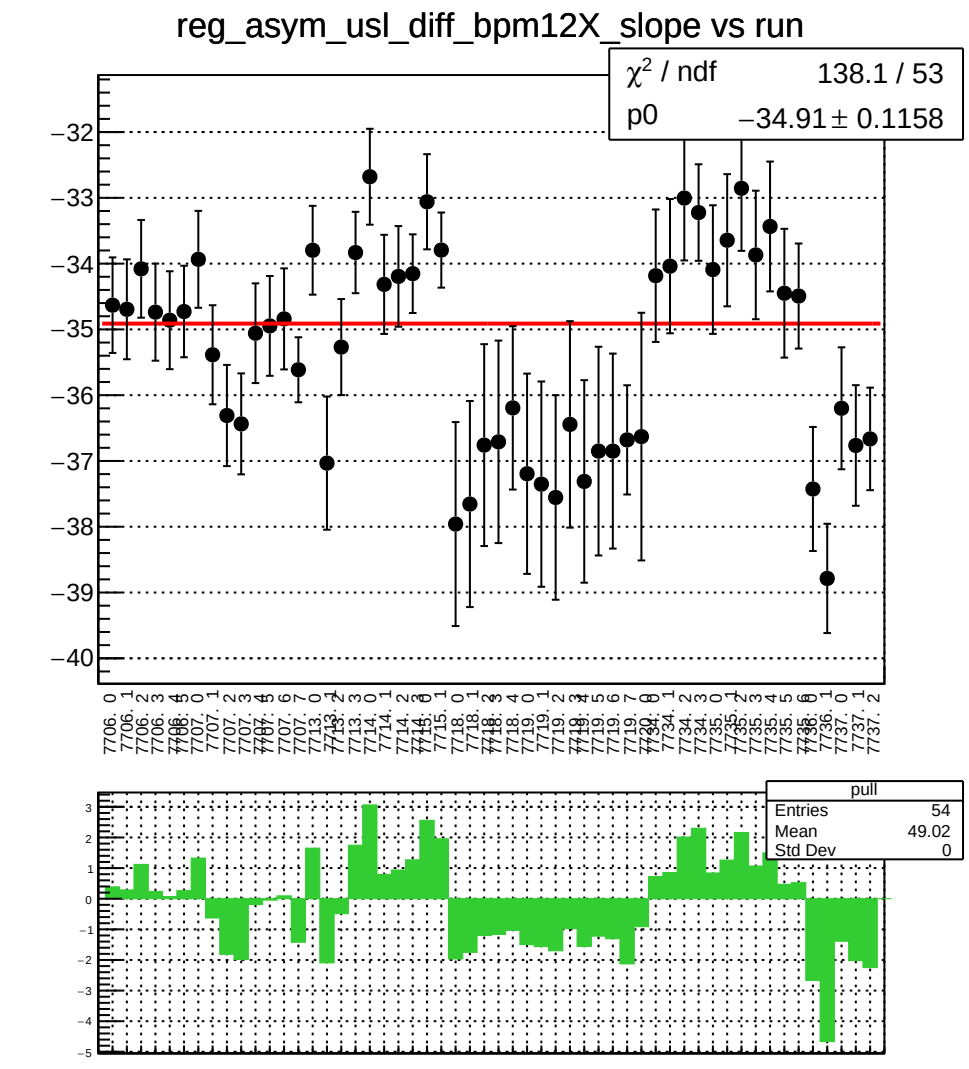

pull1D
Entries 54
Mean 0.03147
Std Dev 0.6701

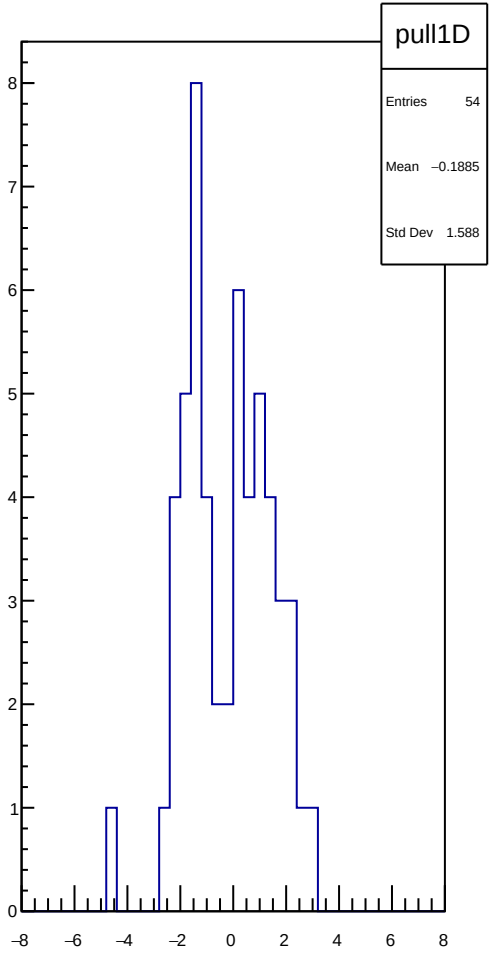

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 161.9 / 53
p0 −12.22 ± 1.608
pull
Entries 54
Mean 55.59
Std Dev 0

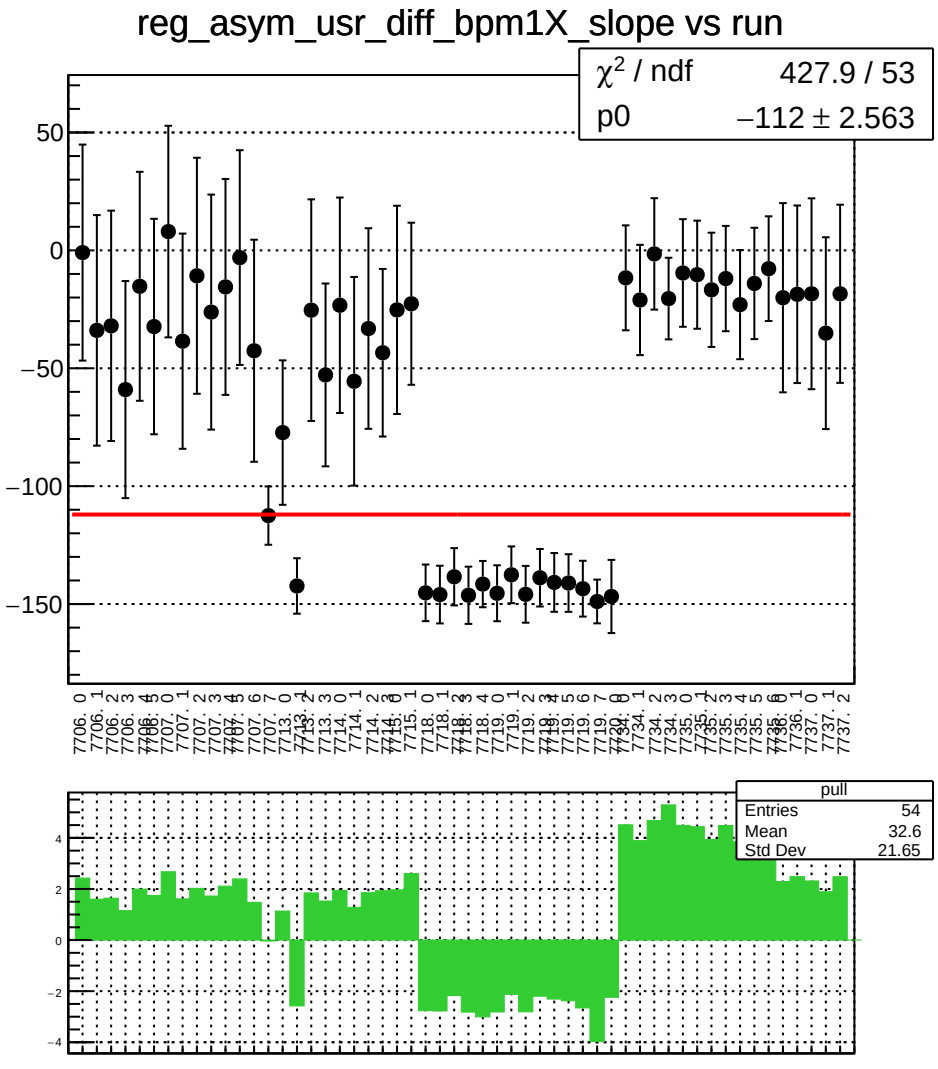

pull1D
Entries 54
Mean −0.4139
Std Dev 1.681

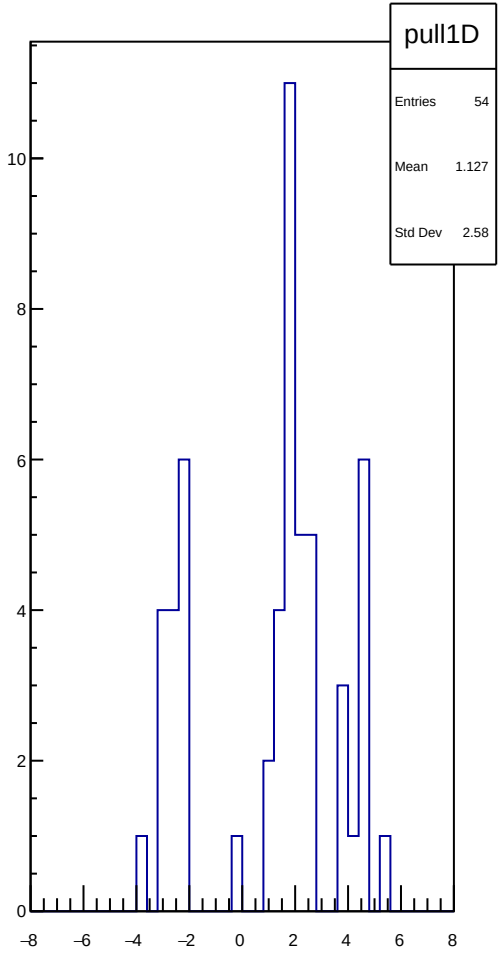

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.85 / 53
p0 11.93 ± 2.998
pull
Entries 54
Mean 47.98
Std Dev 27.68

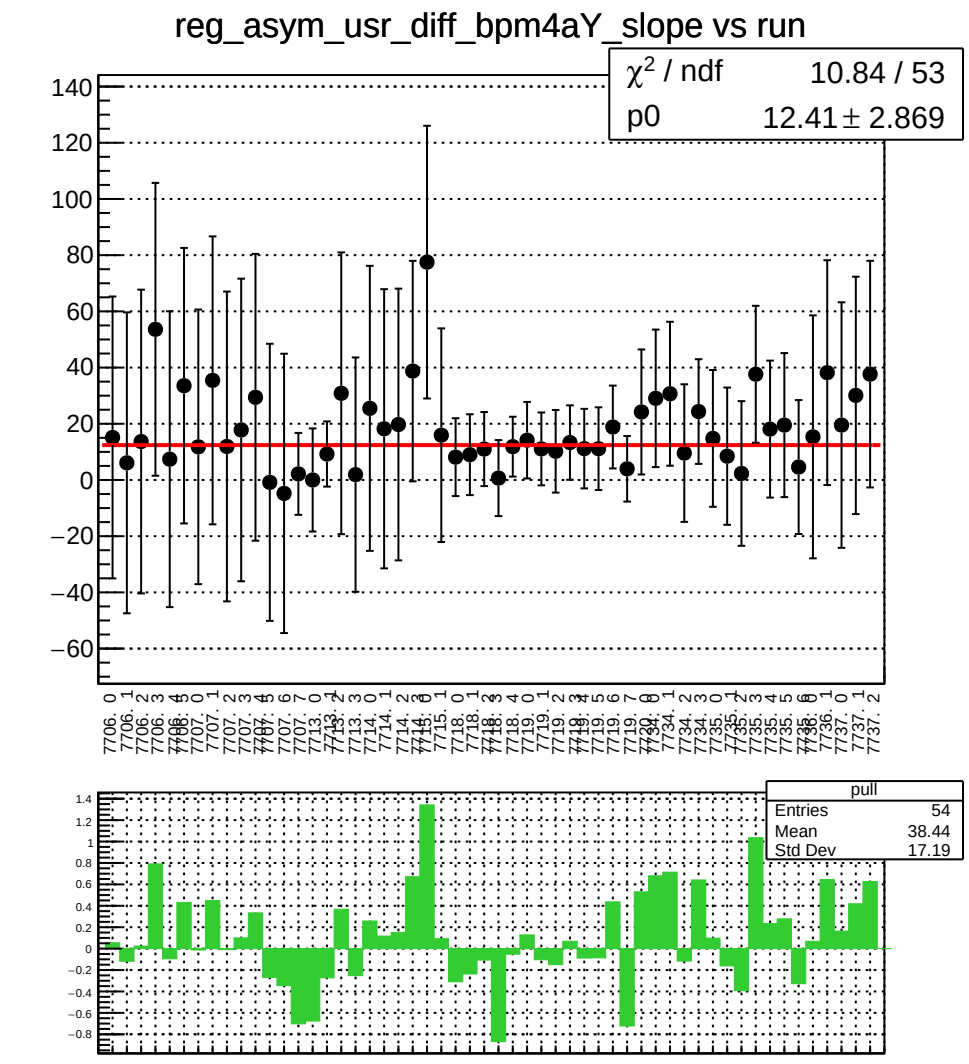

pull1D
Entries 54
Mean −0.03391
Std Dev 0.691

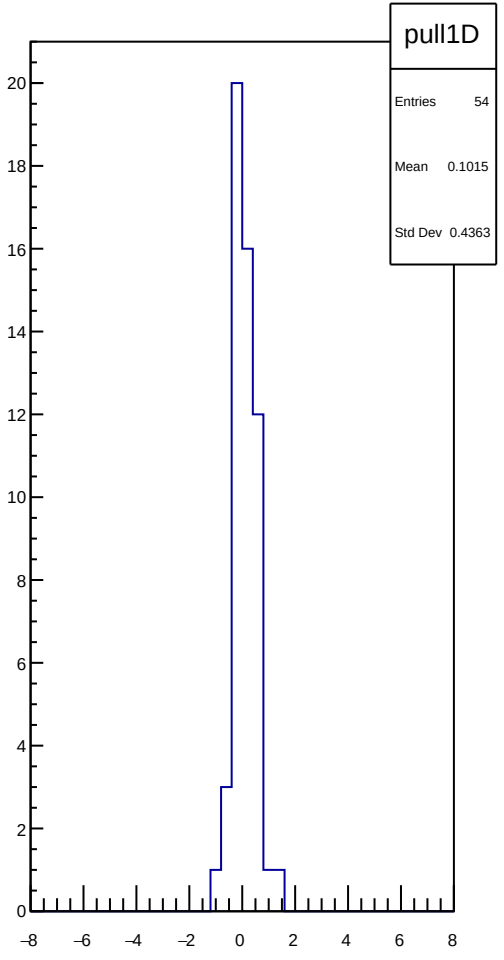

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 138.1 / 53
p0 −34.91 ± 0.1158
pull
Entries 54
Mean 49.02
Std Dev 0

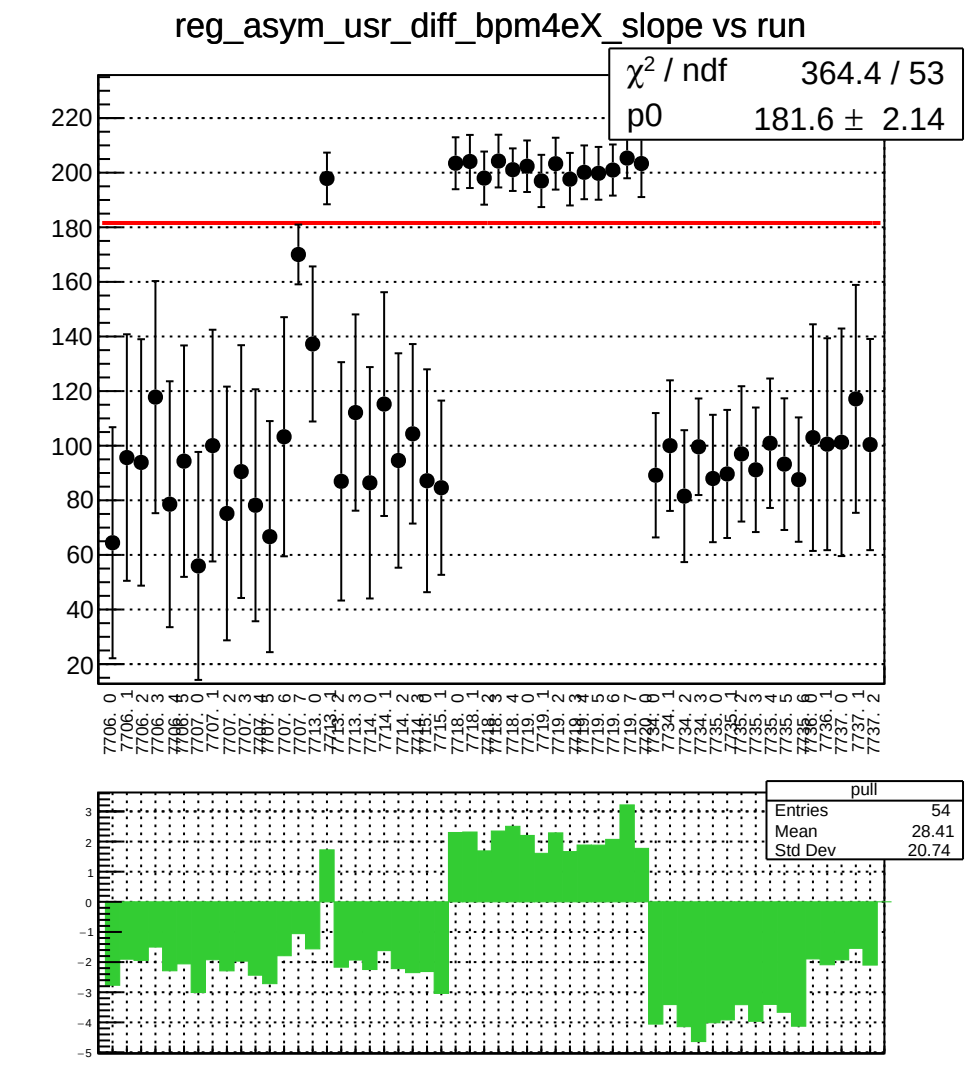

pull1D
Entries 54
Mean −0.1885
Std Dev 1.588

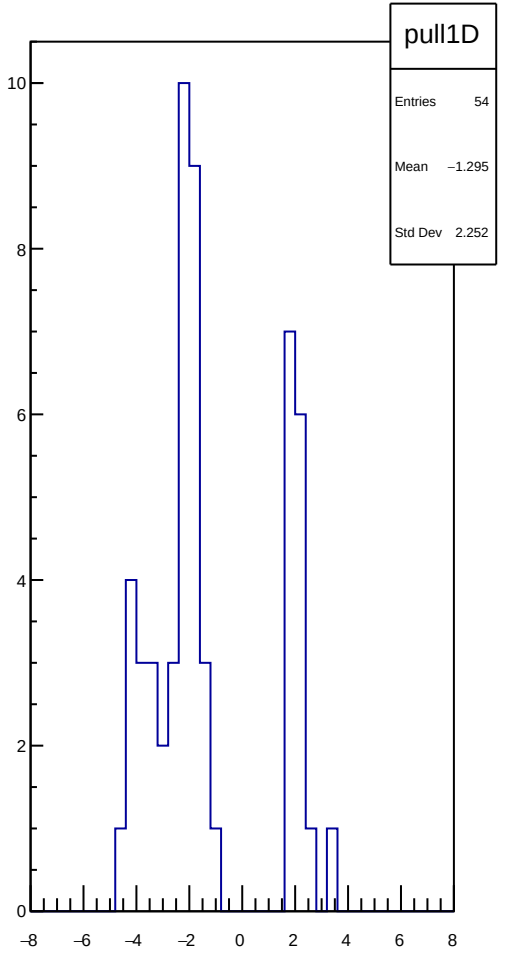

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 427.9 / 53
p0 −112 ± 2.563
pull
Entries 54
Mean 32.6
Std Dev 21.65

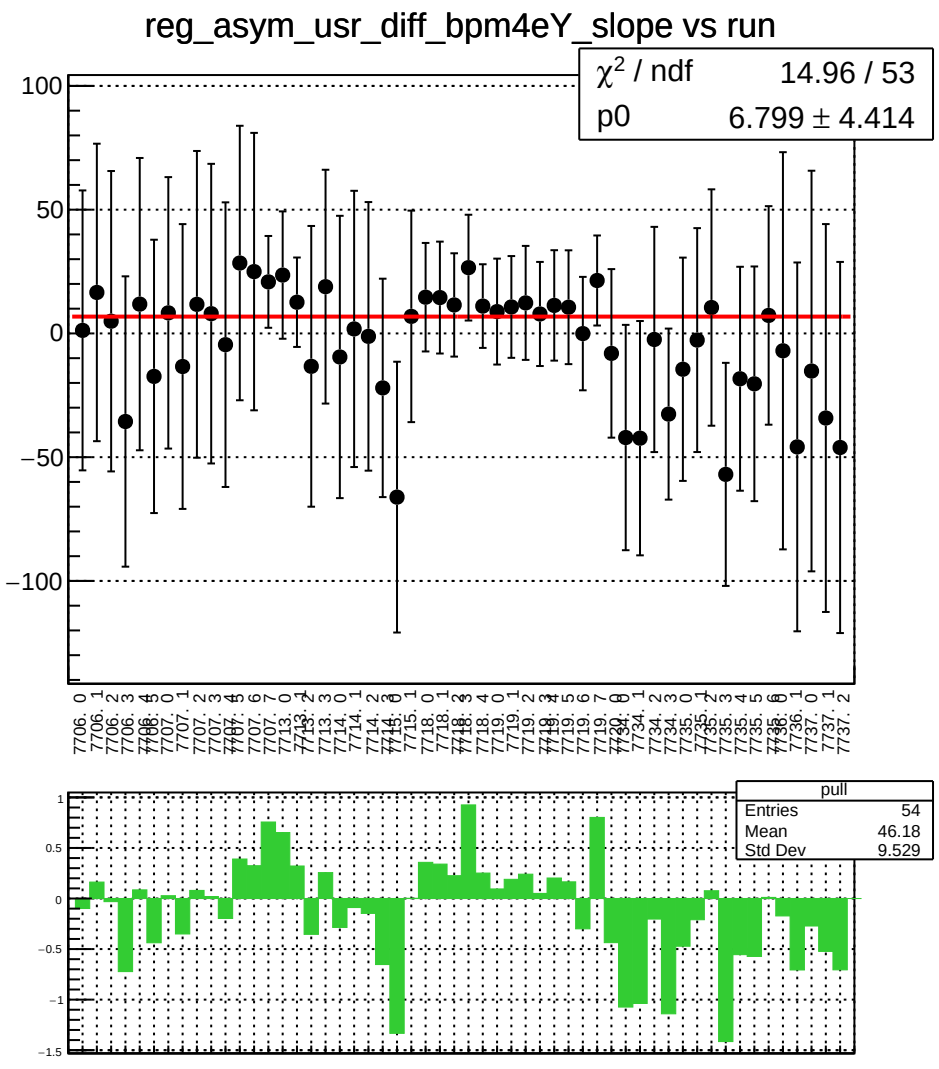

pull1D
Entries 54
Mean 1.127
Std Dev 2.58

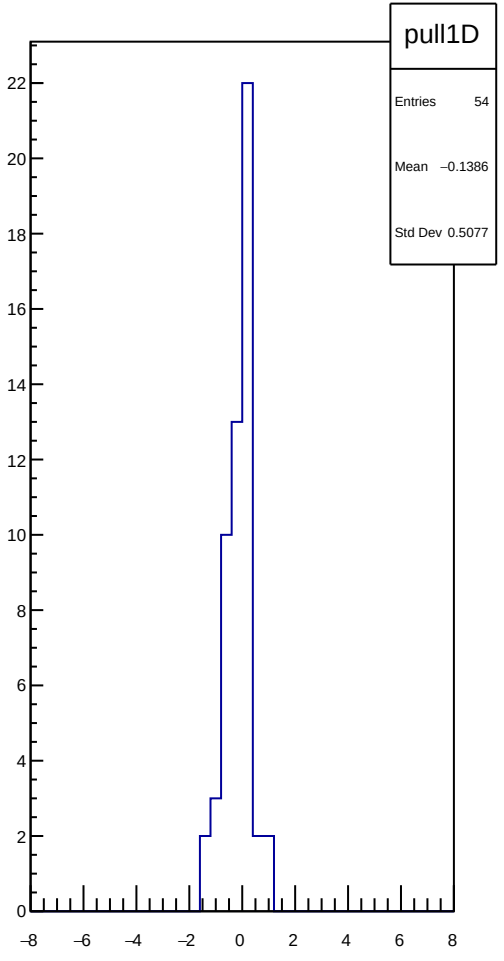

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 10.84 / 53
p0 12.41 ± 2.869
pull
Entries 54
Mean 38.44
Std Dev 17.19

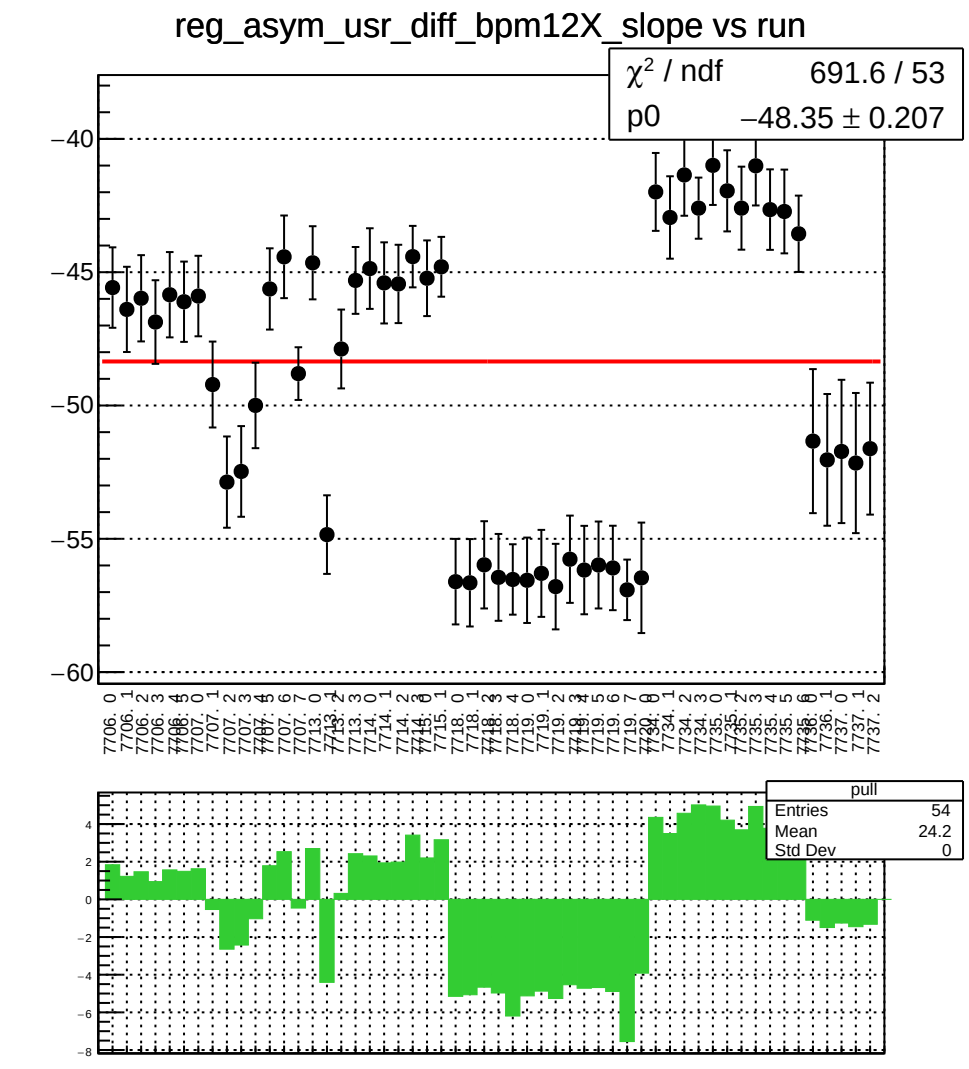

pull1D
Entries 54
Mean 0.1015
Std Dev 0.4363

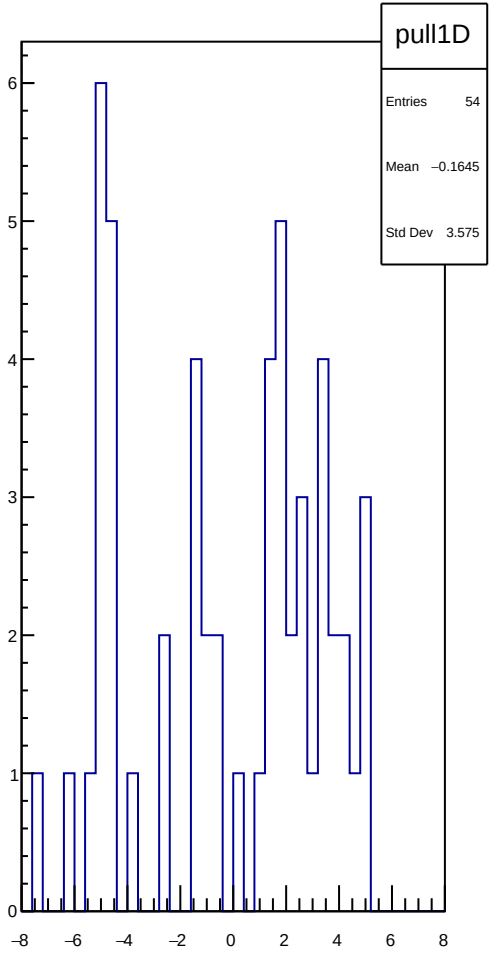

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 364.4 / 53
p0 181.6 ± 2.14
pull
Entries 54
Mean 28.41
Std Dev 20.74

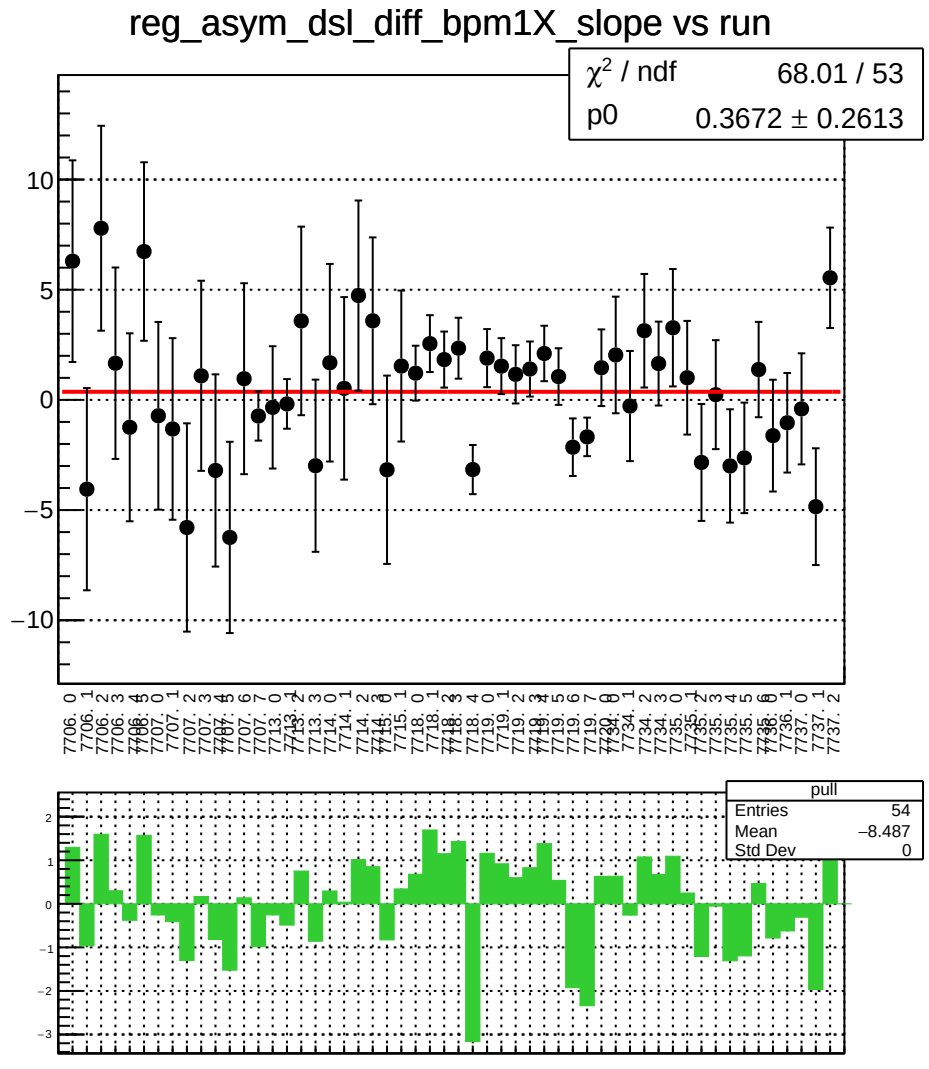

pull1D
Entries 54
Mean −1.295
Std Dev 2.252

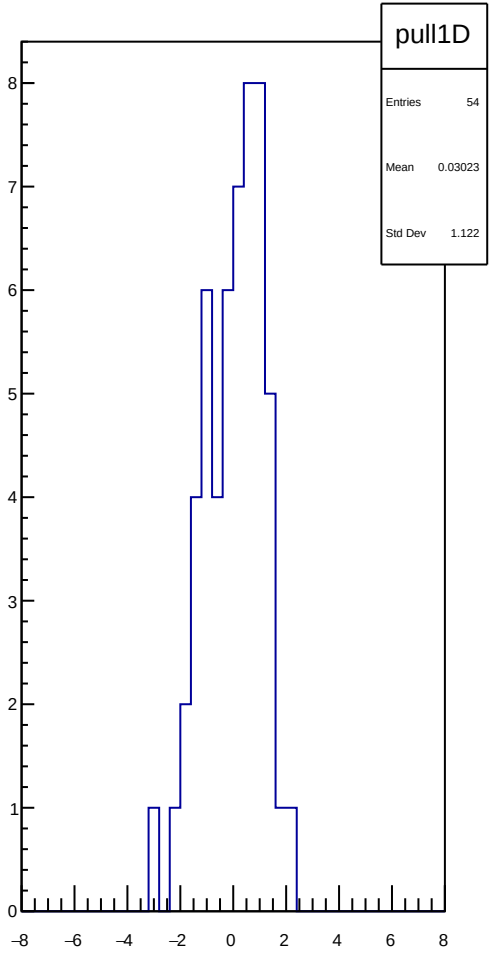

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 14.96 / 53
p0 6.799 ± 4.414
100
50
0
−50
−100
pull
Entries 54
Mean 46.18
Std Dev 9.529
1
0.5
0
−0.5
−1
−1.5

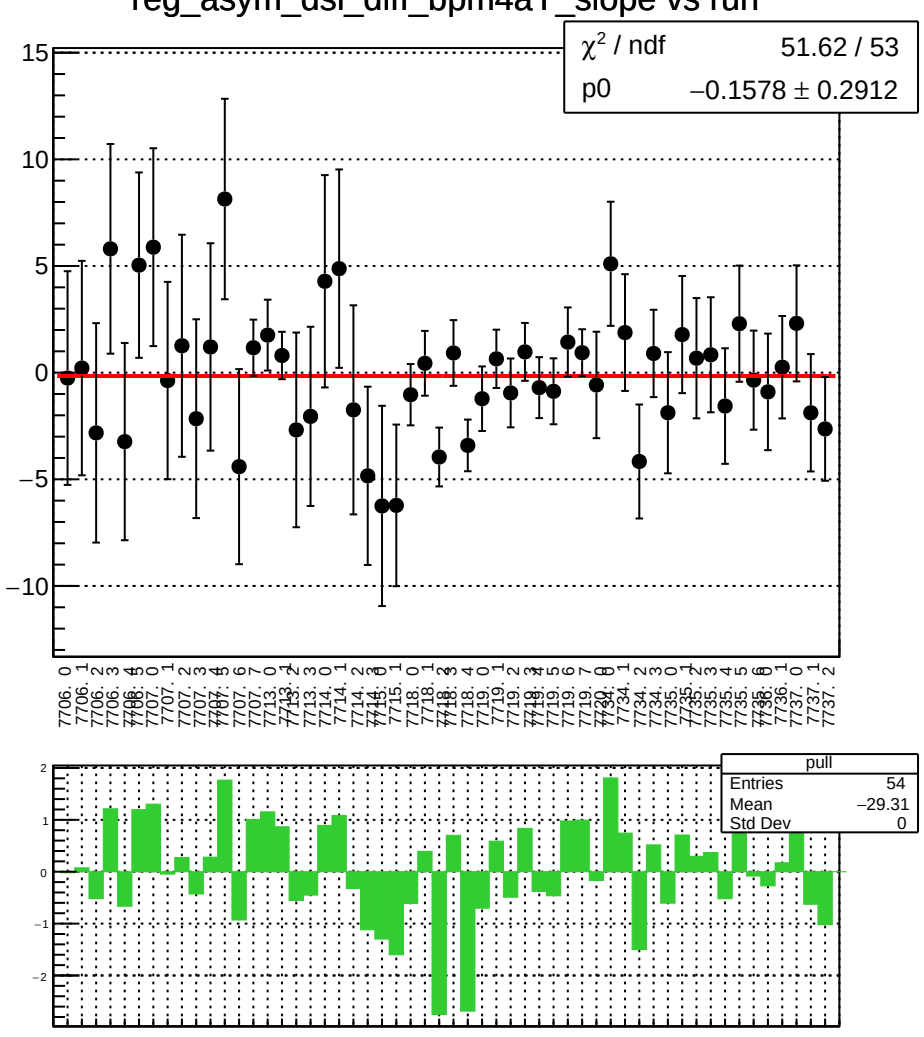

pull1D
Entries 54
Mean −0.1386
Std Dev 0.5077
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

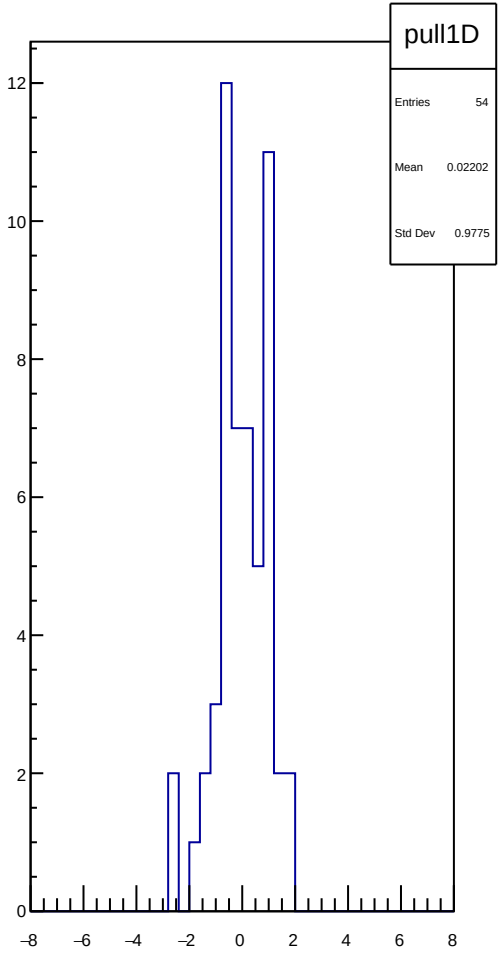

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 691.6 / 53
p0 −48.35 ± 0.207
pull
Entries 54
Mean 24.2
Std Dev 0

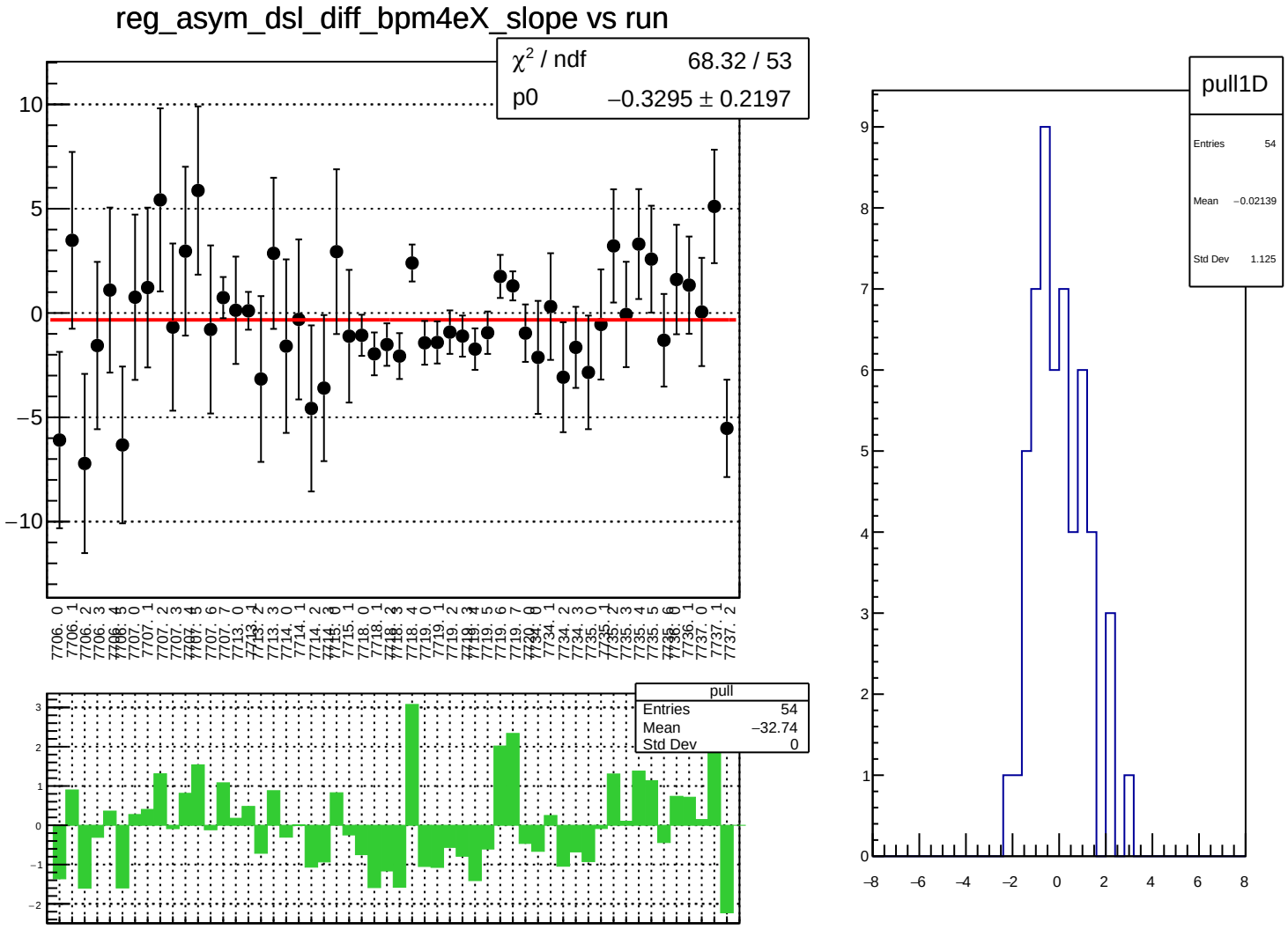

pull1D
Entries 54
Mean −0.1645
Std Dev 3.575

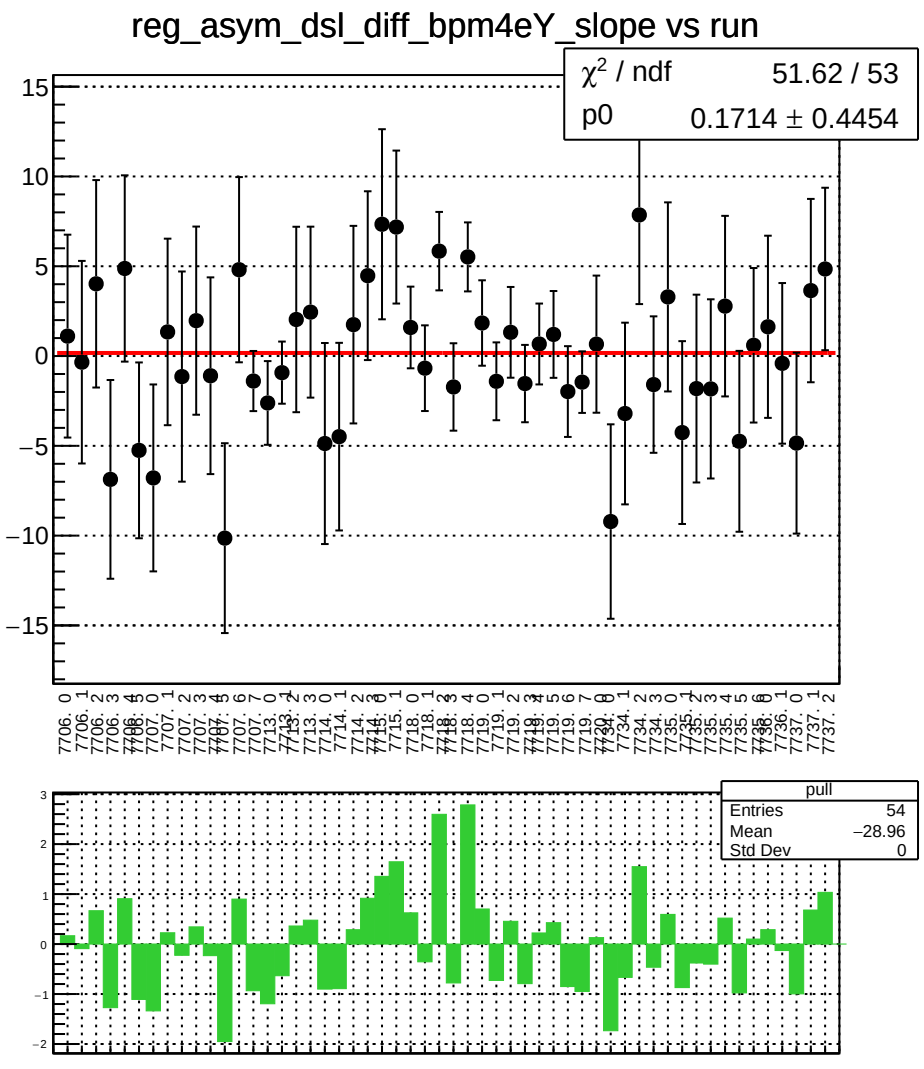

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 68.01 / 53
p0 0.3672 ± 0.2613
pull
Entries 54
Mean −8.487
Std Dev 0

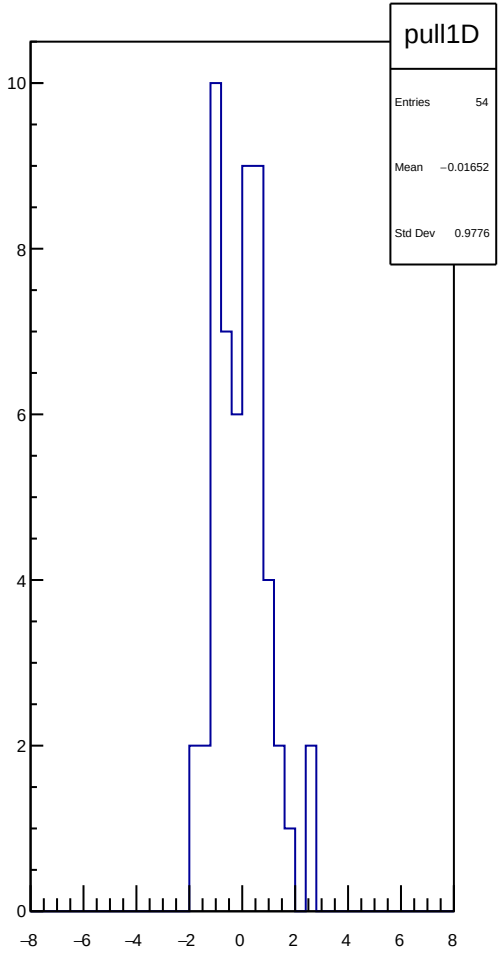

pull1D
Entries 54
Mean 0.03023
Std Dev 1.122

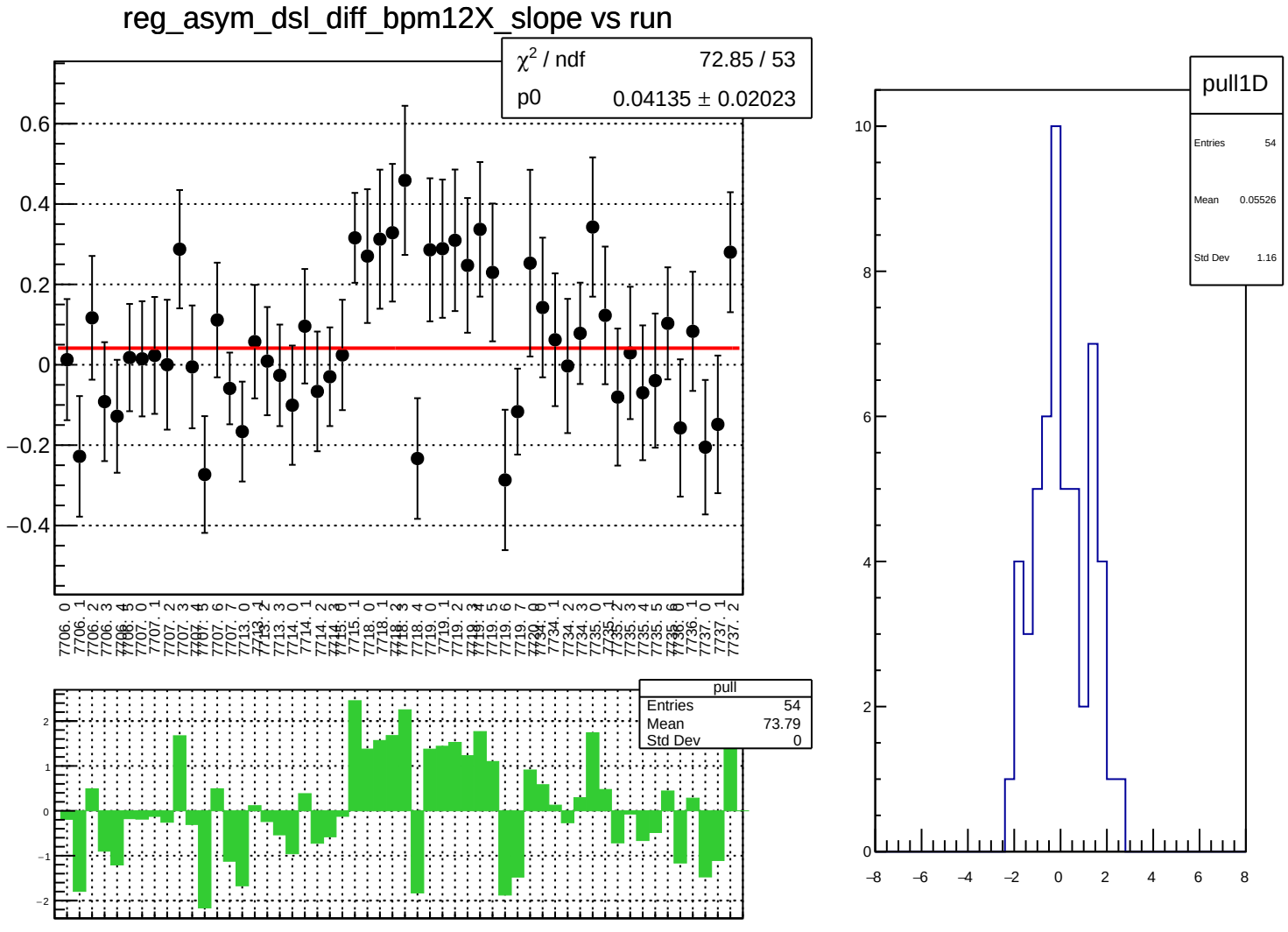

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 51.62 / 53
p0 −0.1578 ± 0.2912
pull
Entries 54
Mean −29.31
Std Dev 0

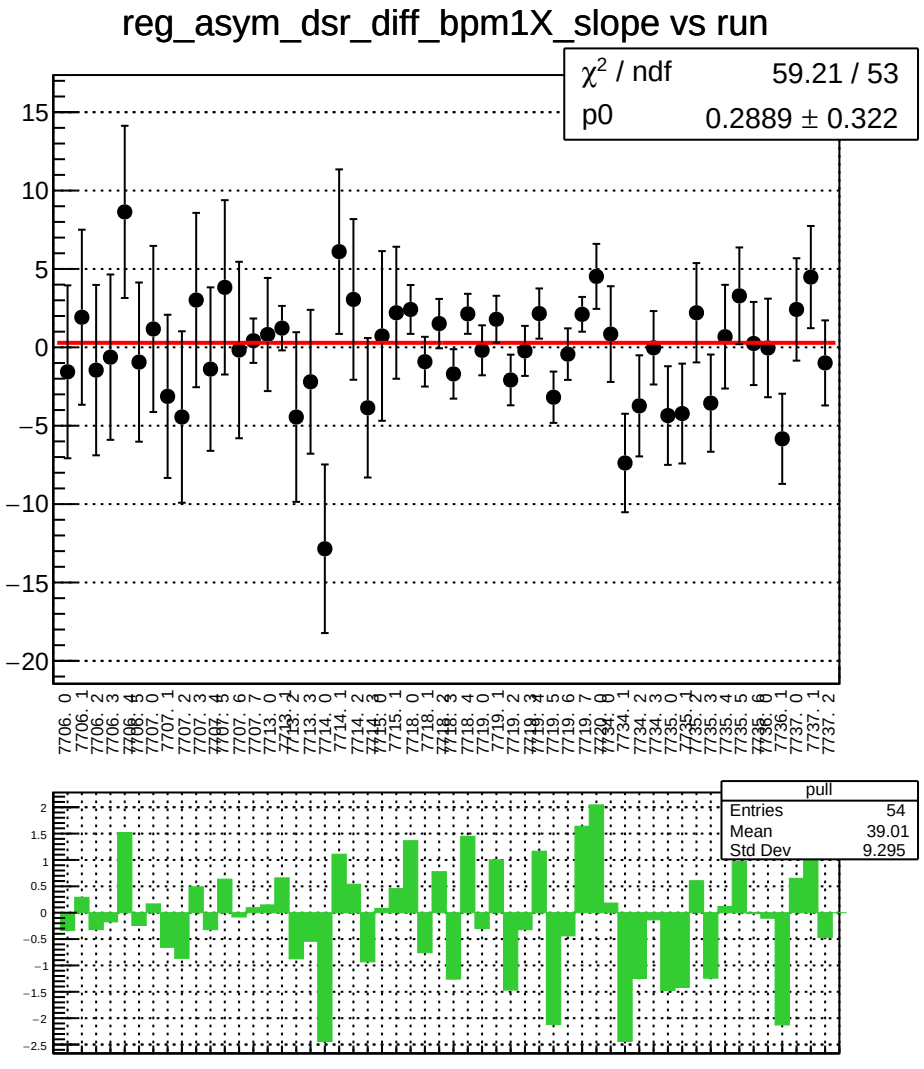

pull1D
Entries 54
Mean 0.02202
Std Dev 0.9775

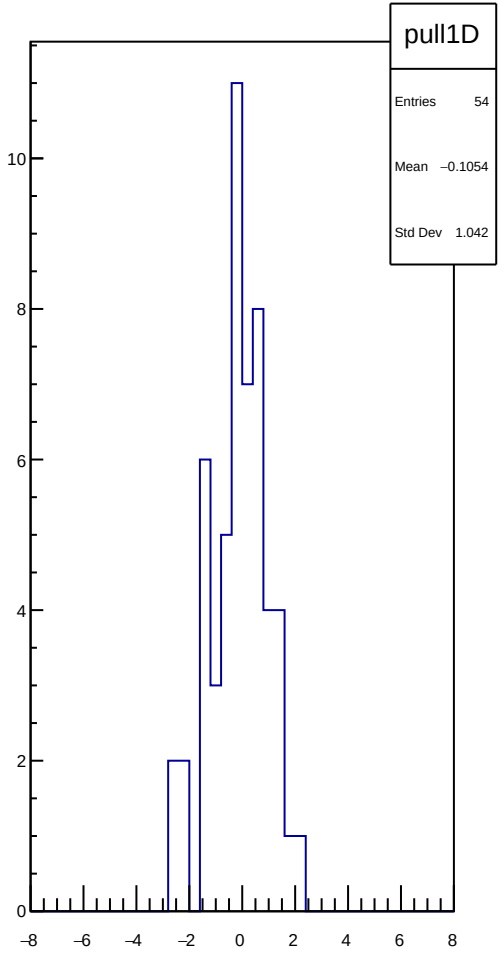

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 68.32 / 53
p0 −0.3295 ± 0.2197
pull
Entries 54
Mean −32.74
Std Dev 0
pull1D
Entries 54
Mean −0.02139
Std Dev 1.125

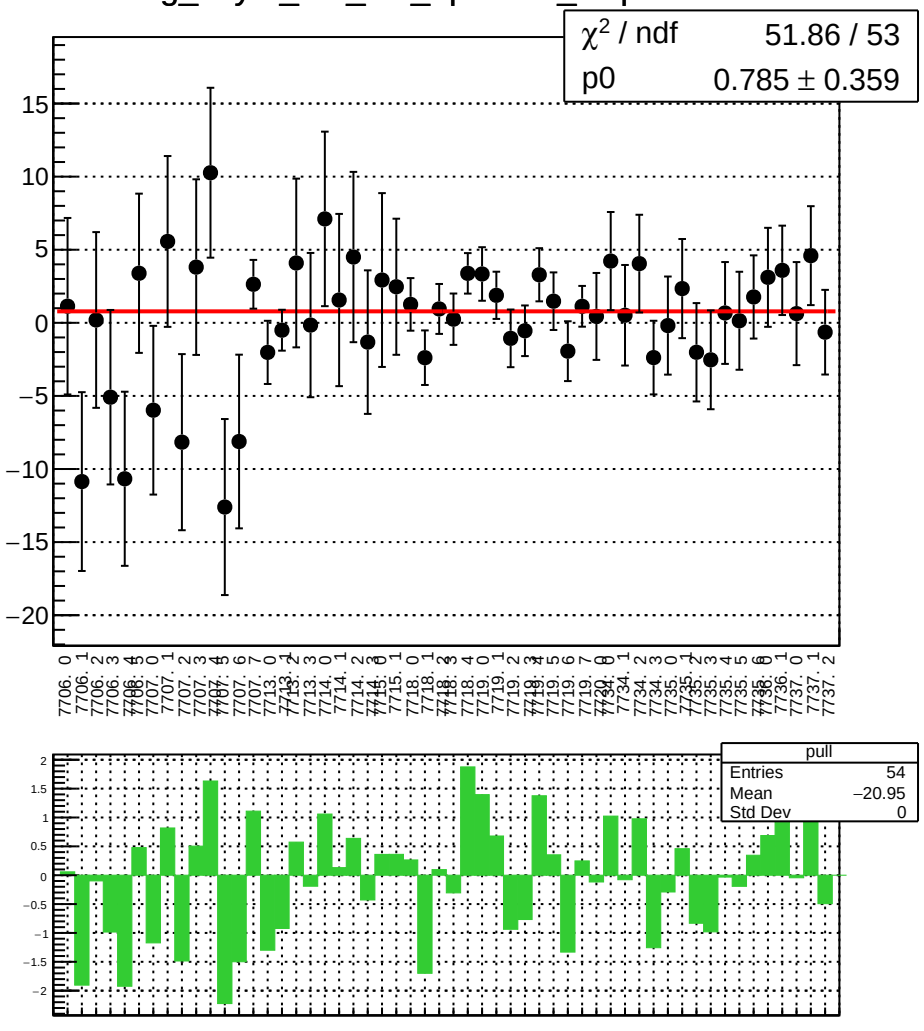

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 51.62 / 53
p0 0.1714 ± 0.4454
pull
Entries 54
Mean −28.96
Std Dev 0

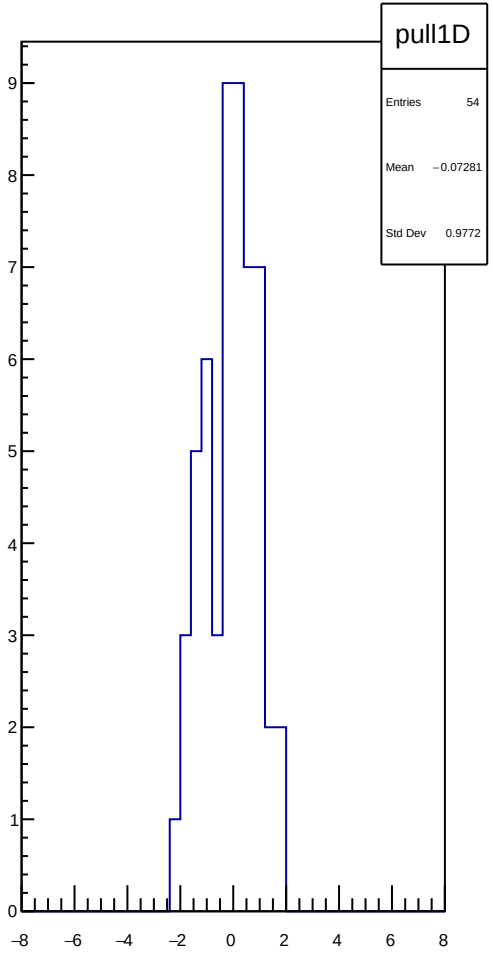

pull1D
Entries 54
Mean −0.01652
Std Dev 0.9776

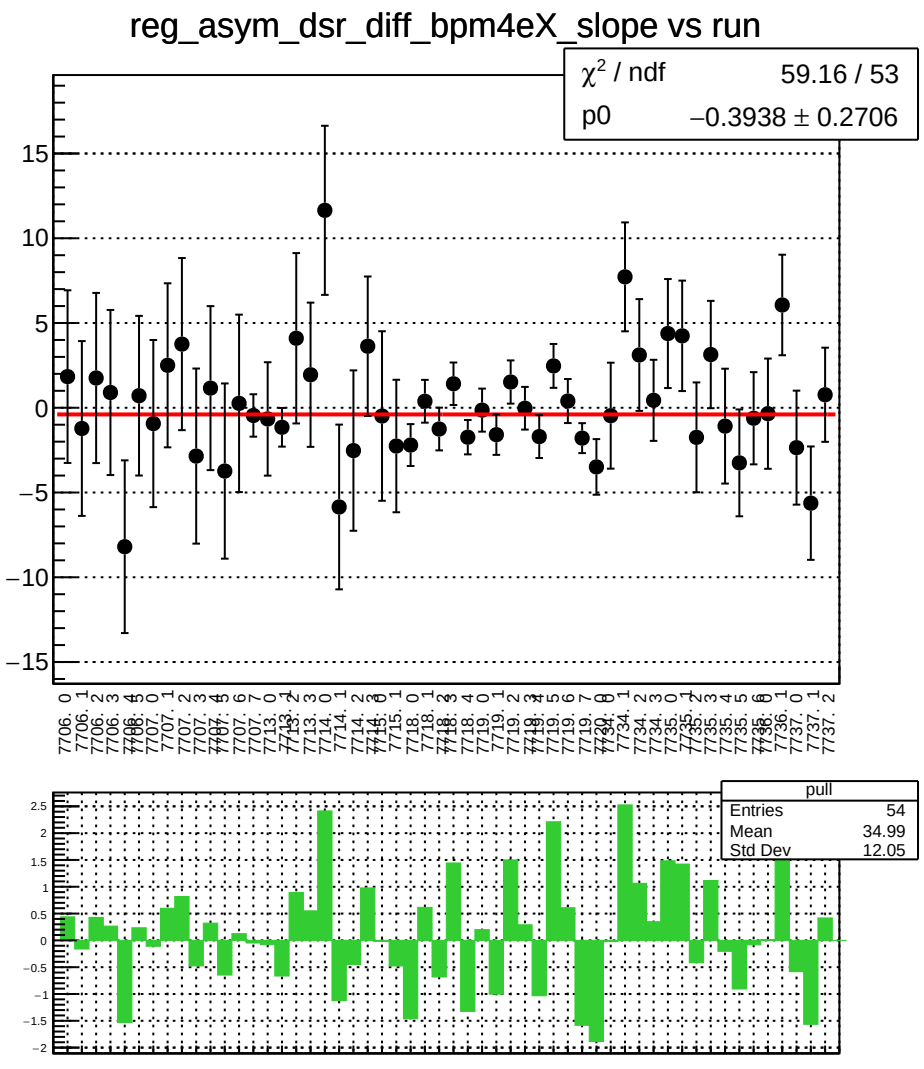

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 72.85 / 53
p0 0.04135 ± 0.02023
pull
Entries 54
Mean 73.79
Std Dev 0
pull1D
Entries 54
Mean 0.05526
Std Dev 1.16

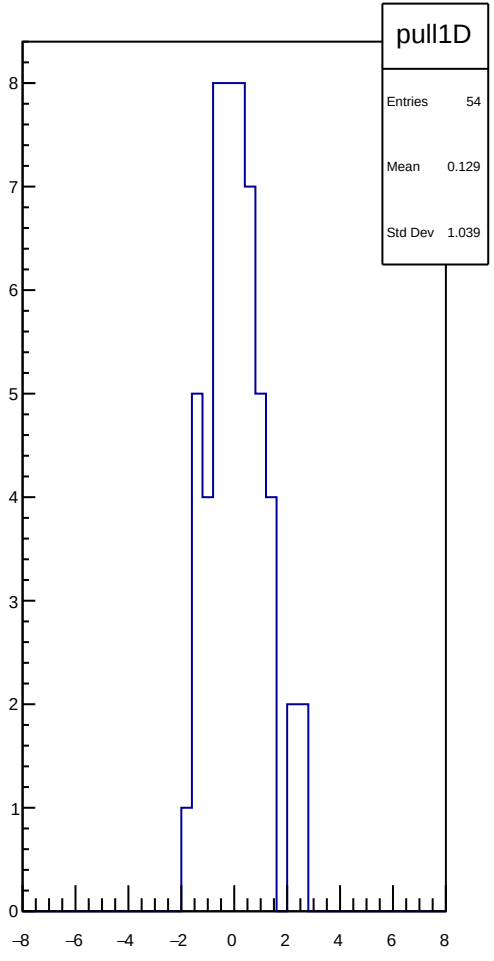

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 59.21 / 53
p0 0.2889 ± 0.322
pull
Entries 54
Mean 39.01
Std Dev 9.295

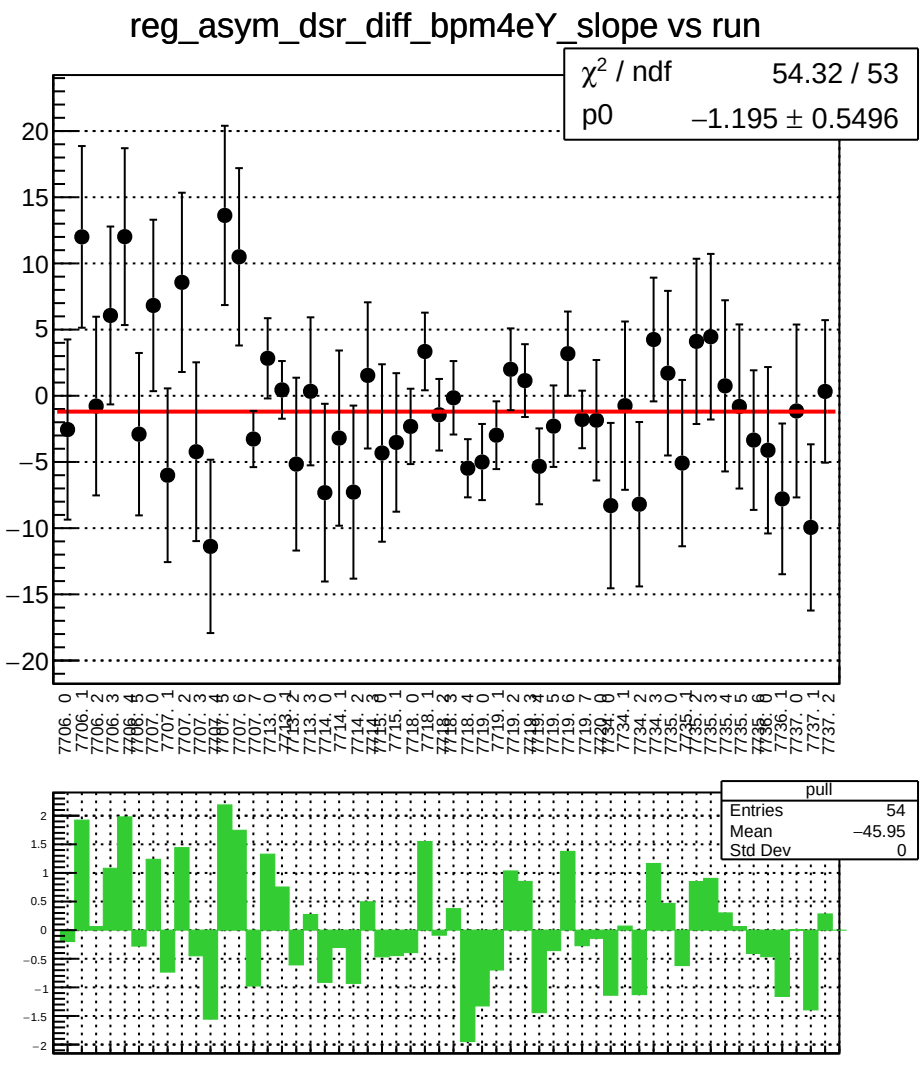

pull1D
Entries 54
Mean −0.1054
Std Dev 1.042

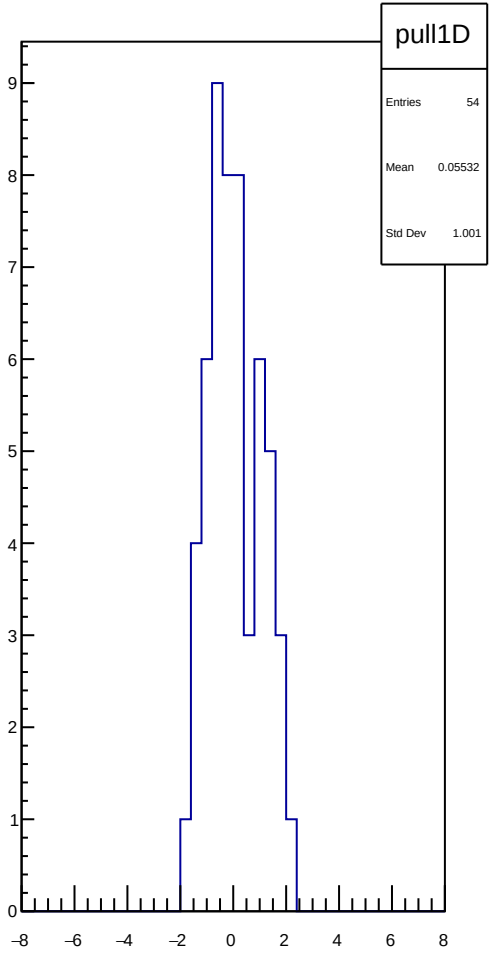

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 51.86 / 53
p0 0.785 ± 0.359
pull
Entries 54
Mean −20.95
Std Dev 0

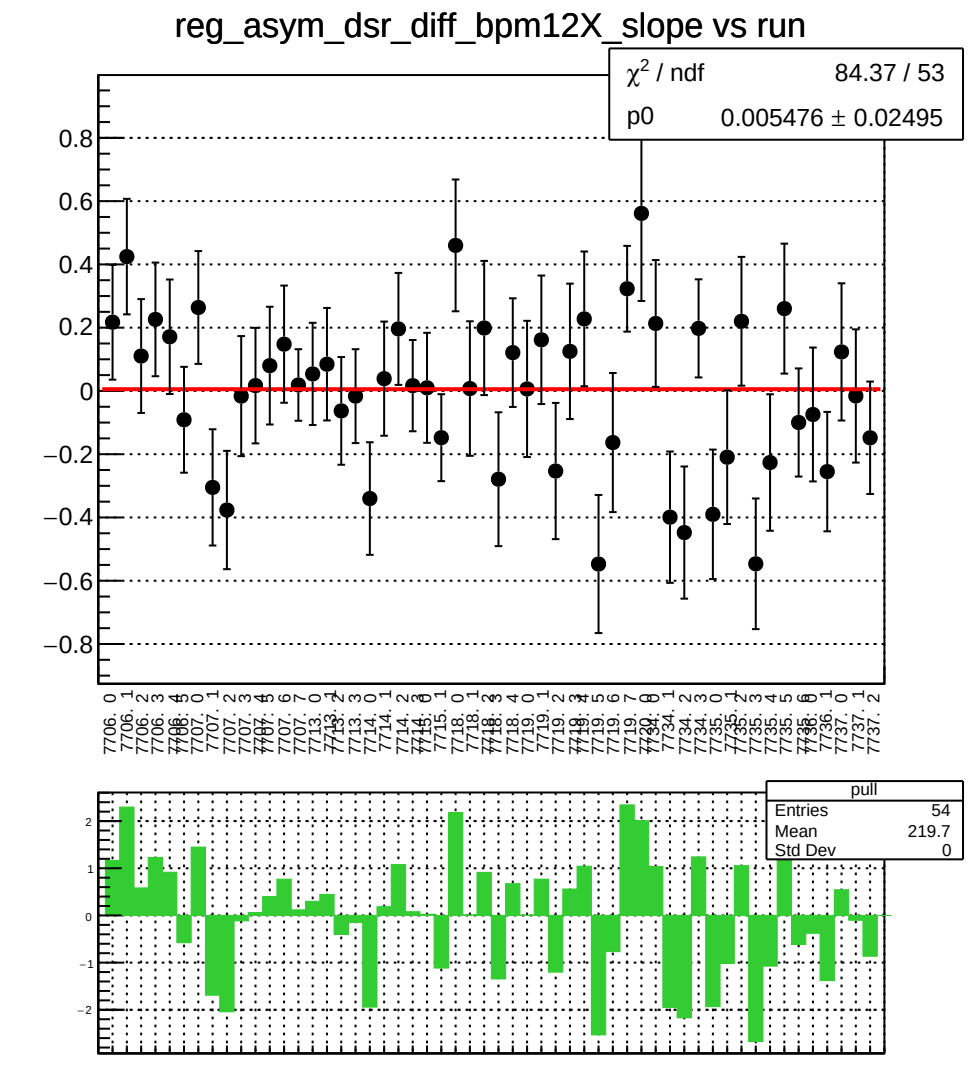

pull1D
Entries 54
Mean −0.07281
Std Dev 0.9772

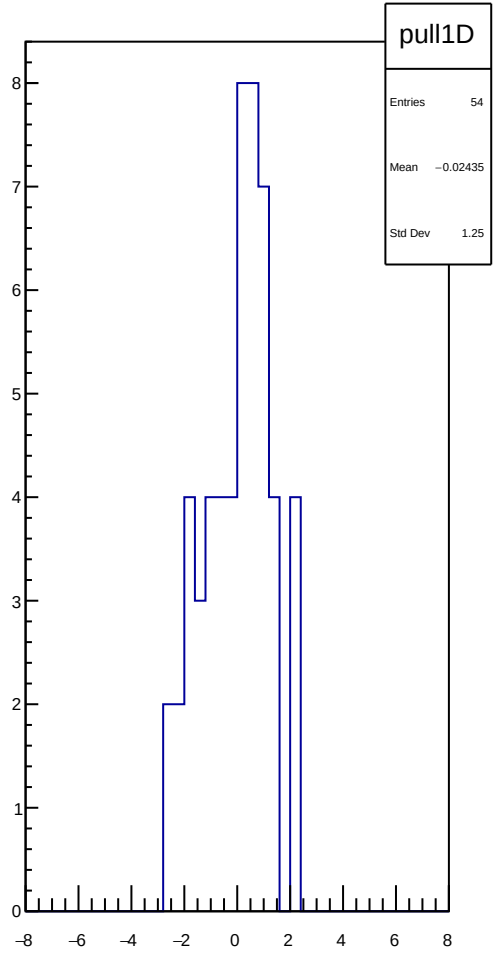

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 59.16 / 53
p0 −0.3938 ± 0.2706
pull
Entries 54
Mean 34.99
Std Dev 12.05

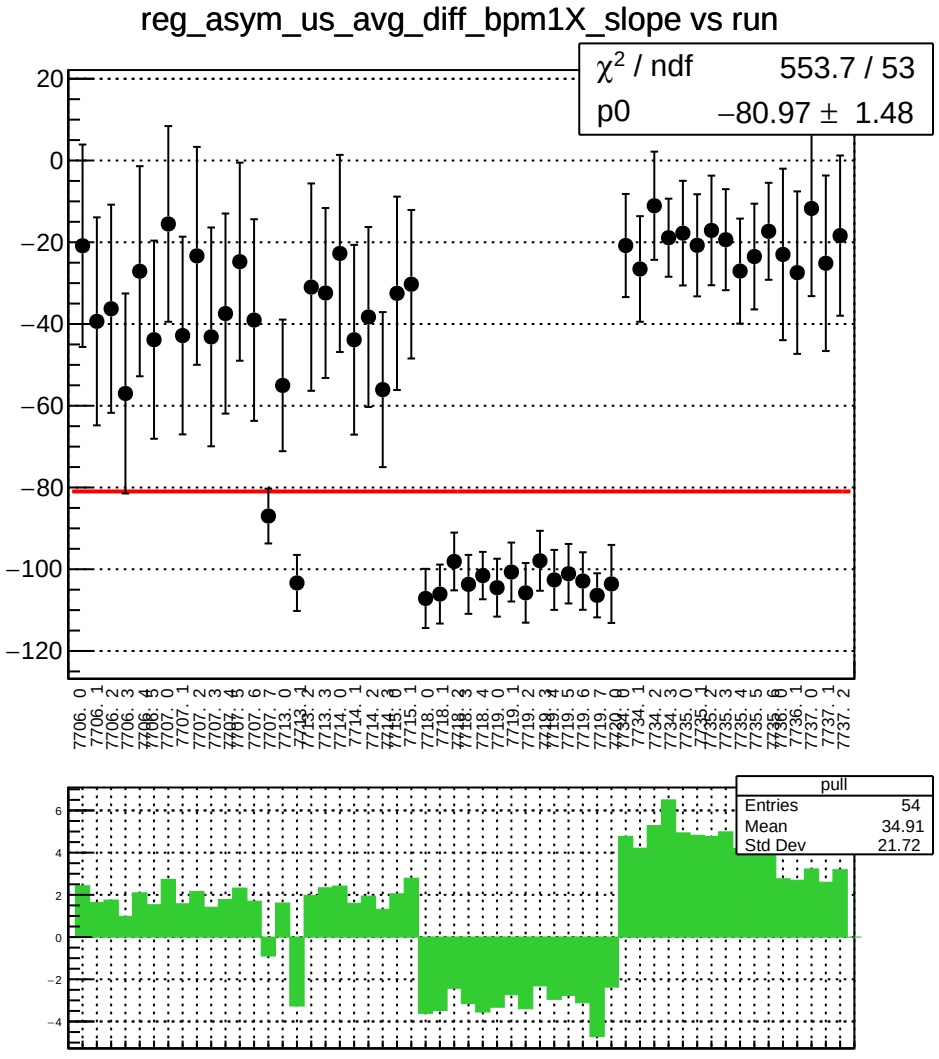

pull1D
Entries 54
Mean 0.129
Std Dev 1.039

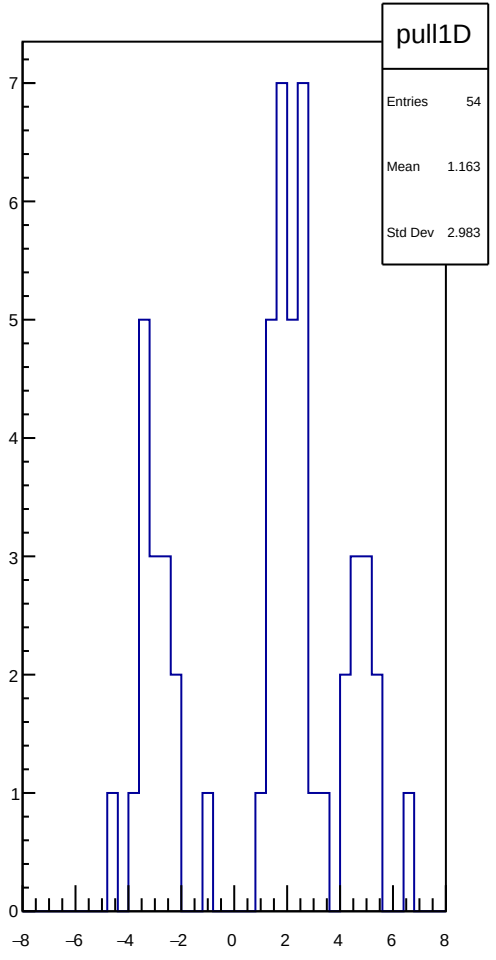

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 54.32 / 53
p0 −1.195 ± 0.5496
pull
Entries 54
Mean −45.95
Std Dev 0

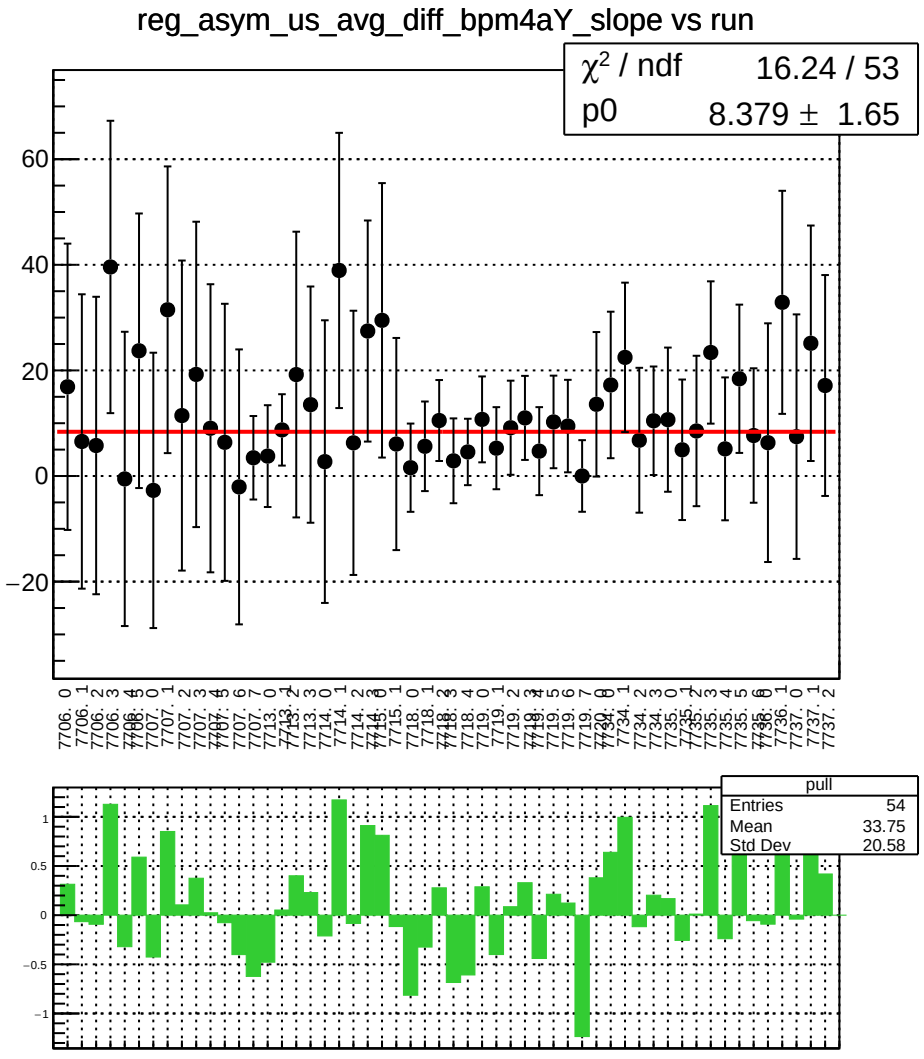

pull1D
Entries 54
Mean 0.05532
Std Dev 1.001

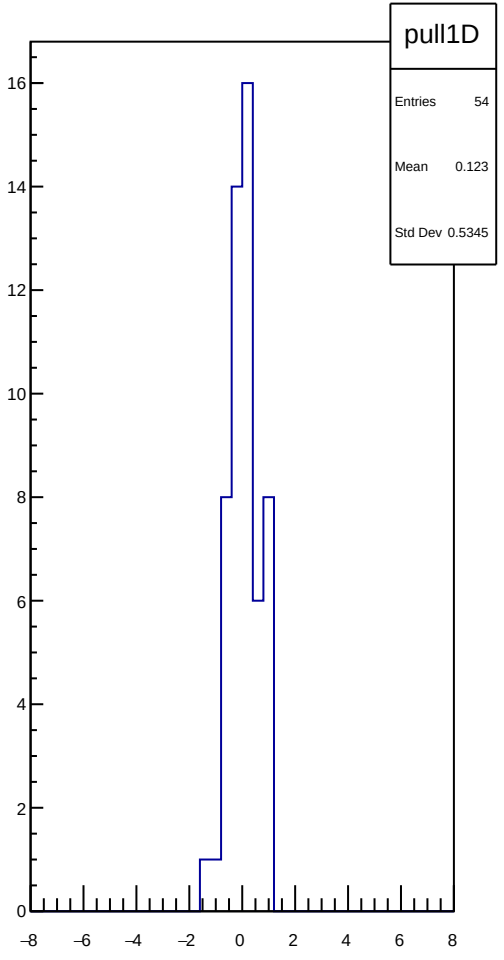

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 84.37 / 53
p0 0.005476 ± 0.02495
pull
Entries 54
Mean 219.7
Std Dev 0

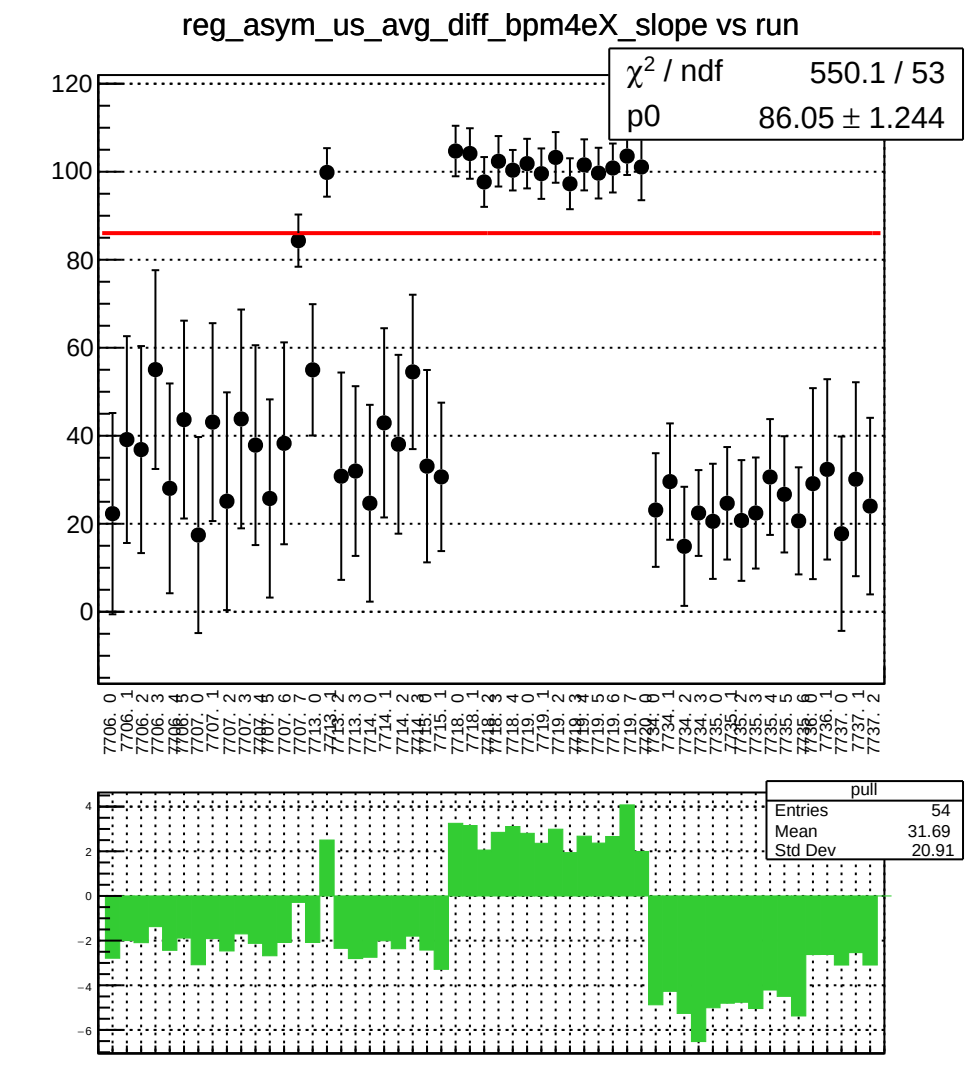

pull1D
Entries 54
Mean −0.02435
Std Dev 1.25

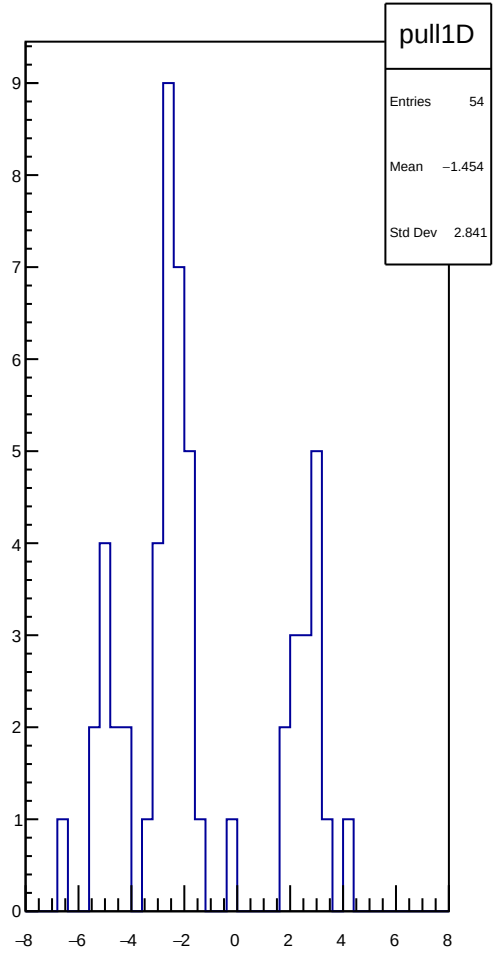

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 553.7 / 53
p0 −80.97 ± 1.48
pull
Entries 54
Mean 34.91
Std Dev 21.72

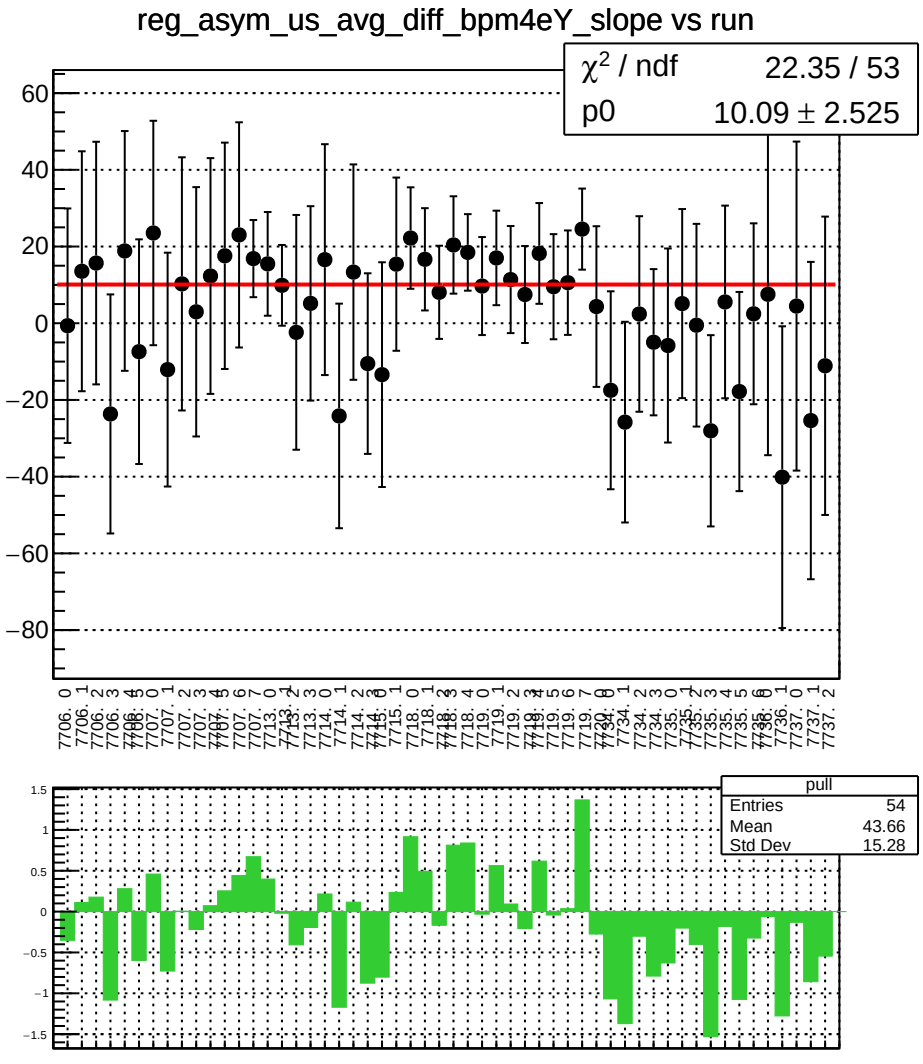

pull1D
Entries 54
Mean 1.163
Std Dev 2.983

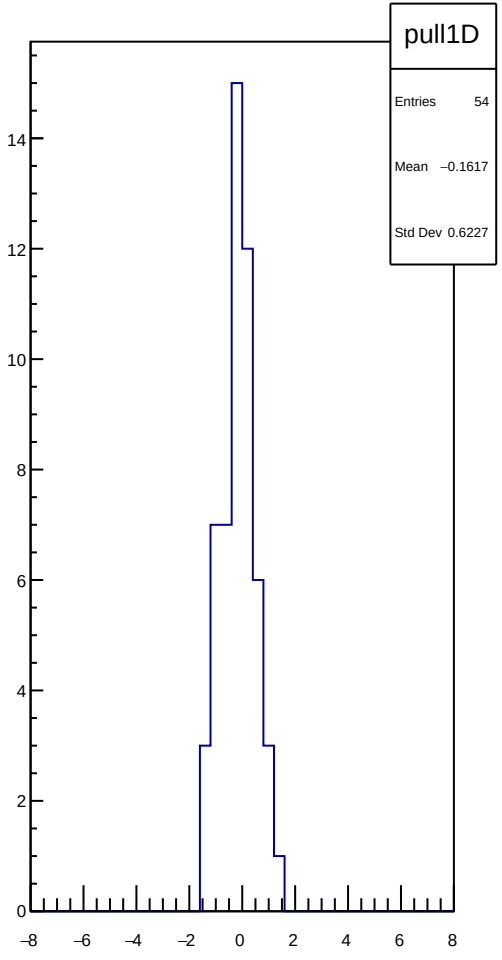

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.24 / 53
p0 8.379 ± 1.65
pull
Entries 54
Mean 33.75
Std Dev 20.58

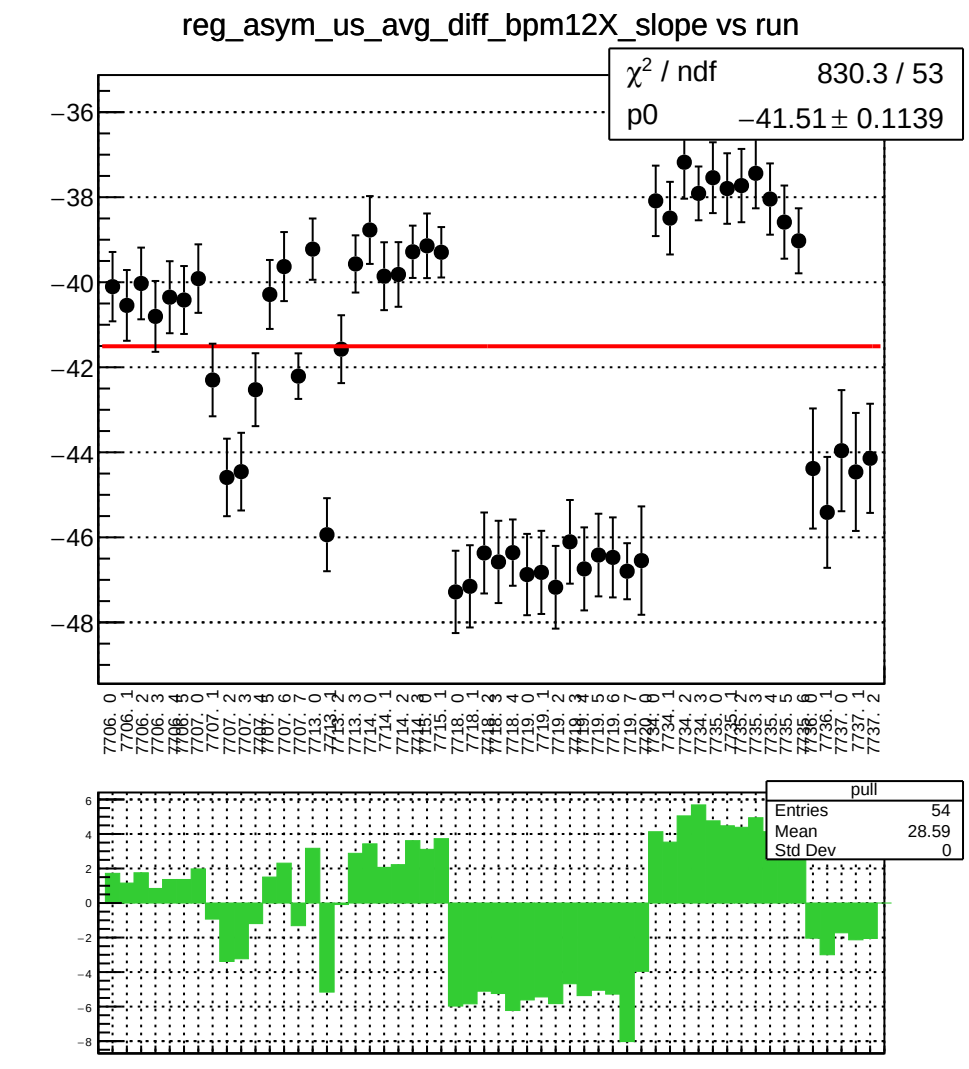

pull1D
Entries 54
Mean 0.123
Std Dev 0.5345

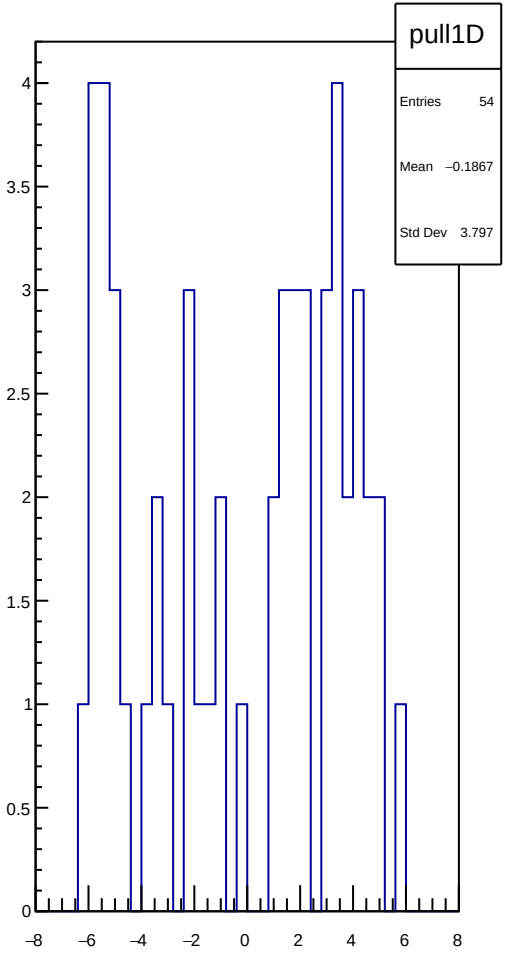

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 550.1 / 53
p0 86.05 ± 1.244
pull
Entries 54
Mean 31.69
Std Dev 20.91

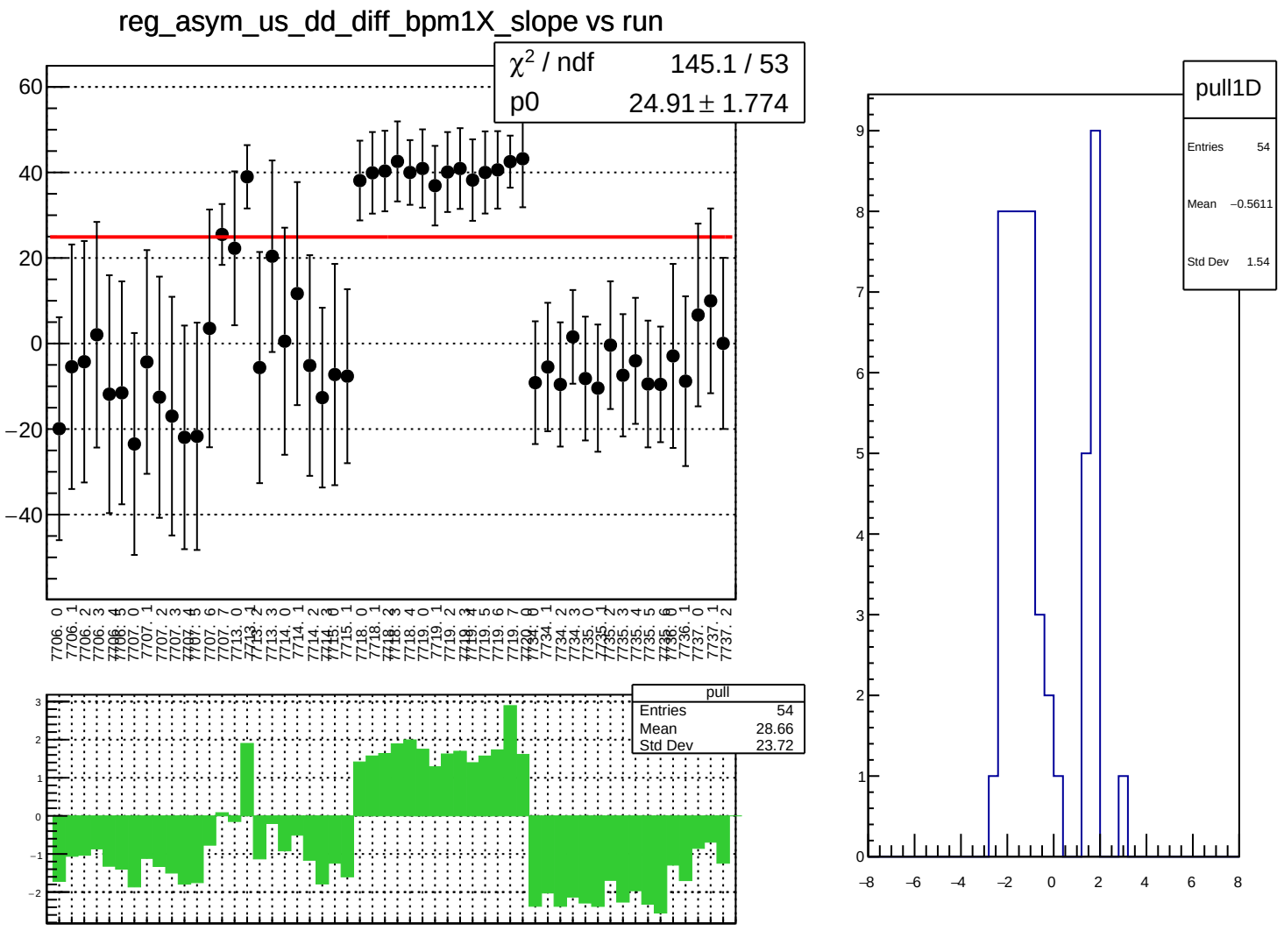

pull1D
Entries 54
Mean −1.454
Std Dev 2.841

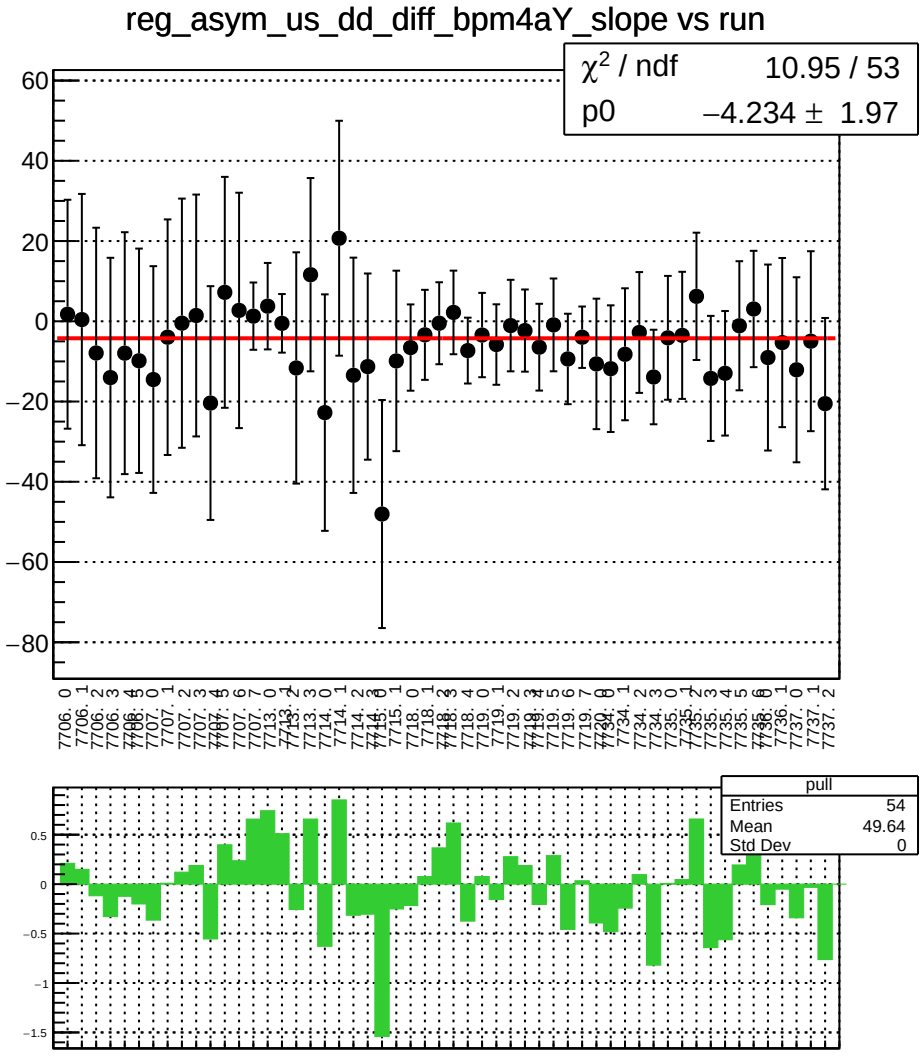

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.35 / 53
p0 10.09 ± 2.525
pull
Entries 54
Mean 43.66
Std Dev 15.28

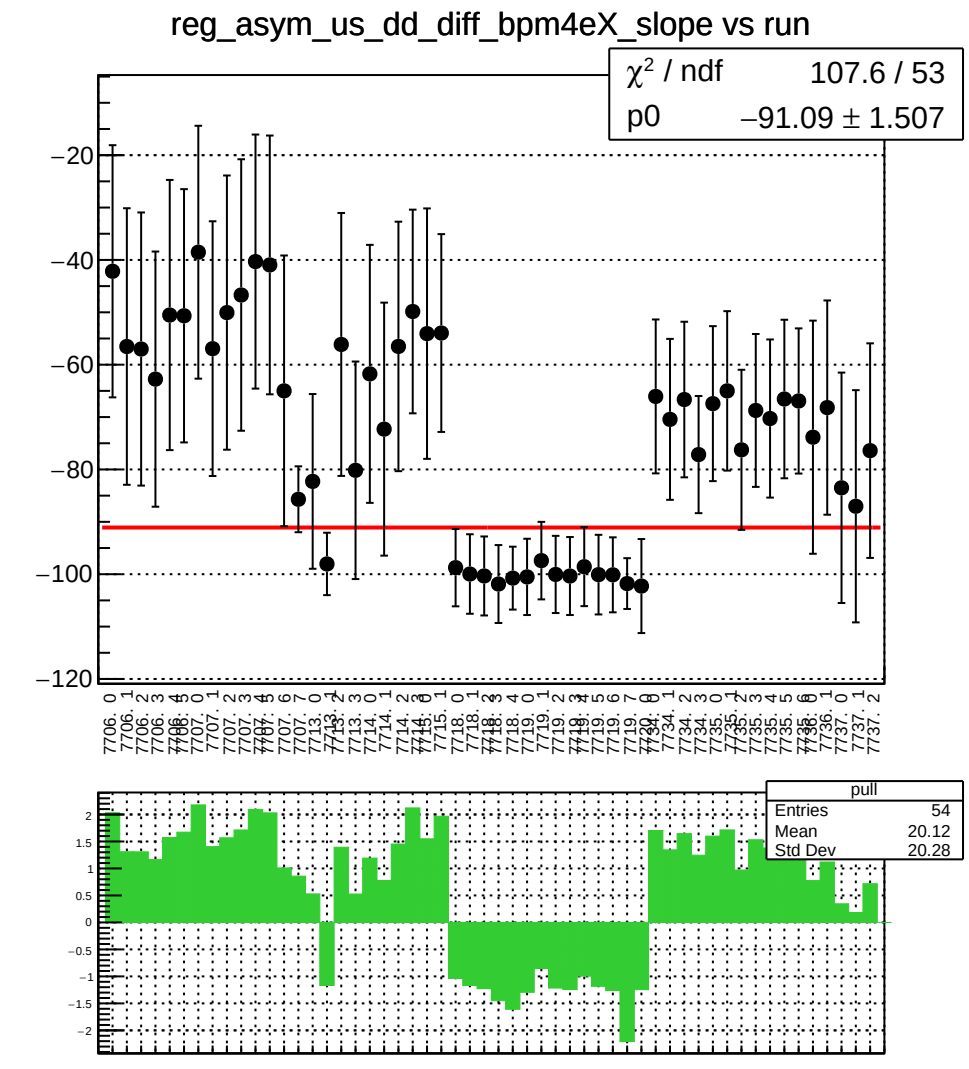

pull1D
Entries 54
Mean −0.1617
Std Dev 0.6227

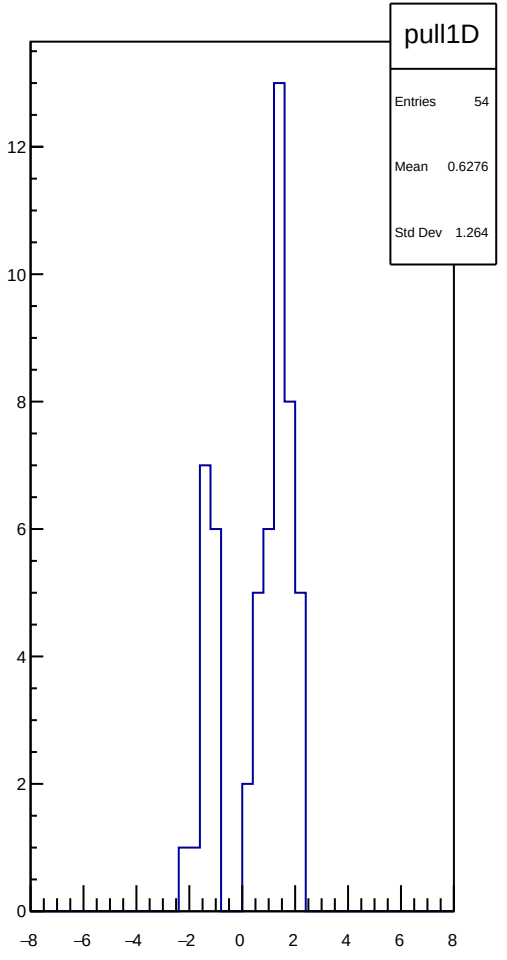

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 830.3 / 53
p0 −41.51 ± 0.1139
pull
Entries 54
Mean 28.59
Std Dev 0

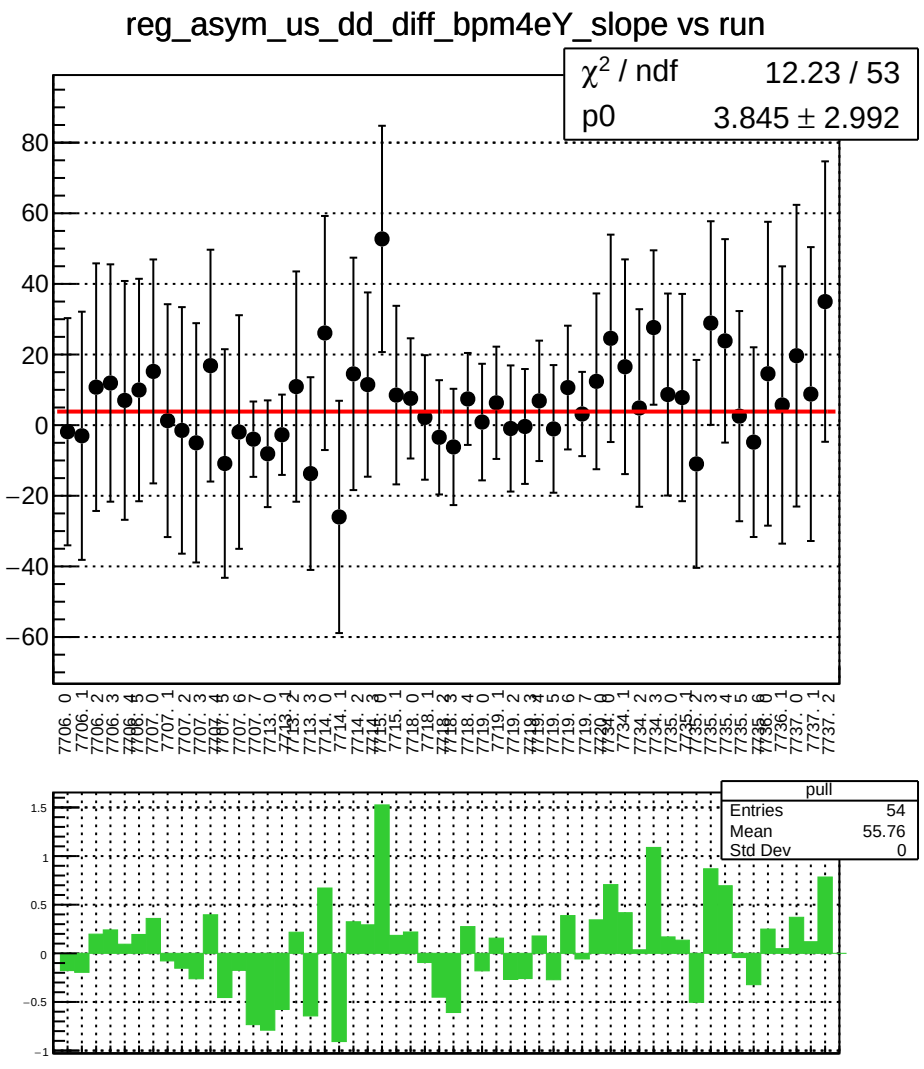

pull1D
Entries 54
Mean −0.1867
Std Dev 3.797

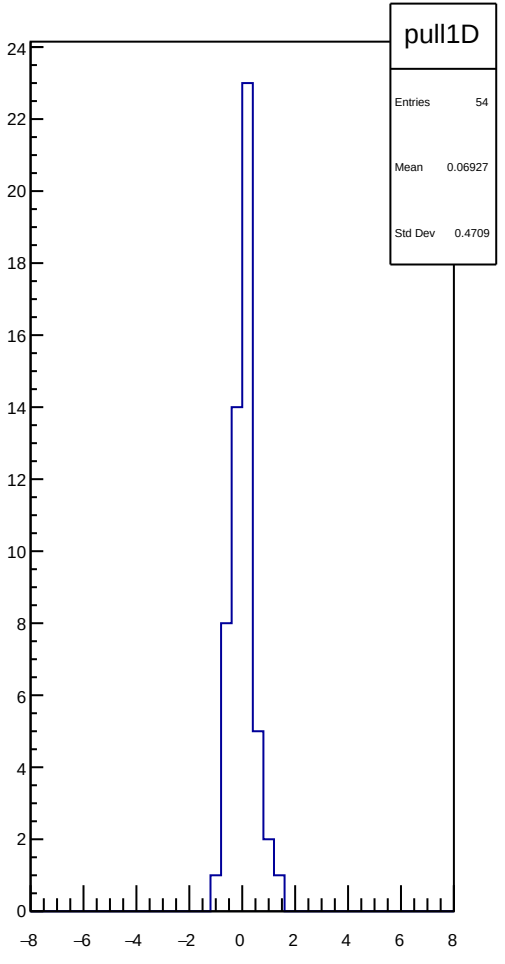

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 145.1 / 53
p0 24.91 ± 1.774
pull
Entries 54
Mean 28.66
Std Dev 23.72
pull1D
Entries 54
Mean −0.5611
Std Dev 1.54

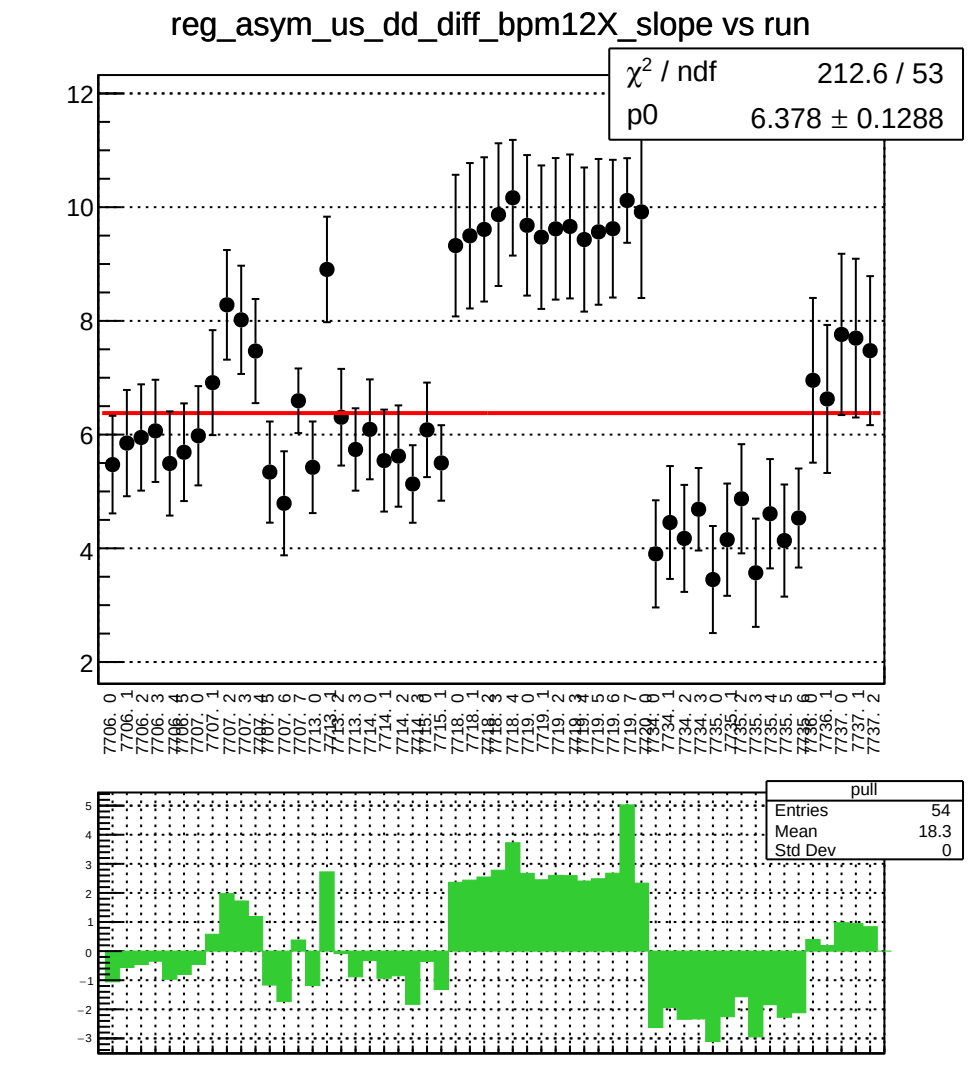

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.95 / 53
p0 −4.234 ± 1.97
pull
Entries 54
Mean 49.64
Std Dev 0
pull1D
Entries 54
Mean −0.0511
Std Dev 0.4475

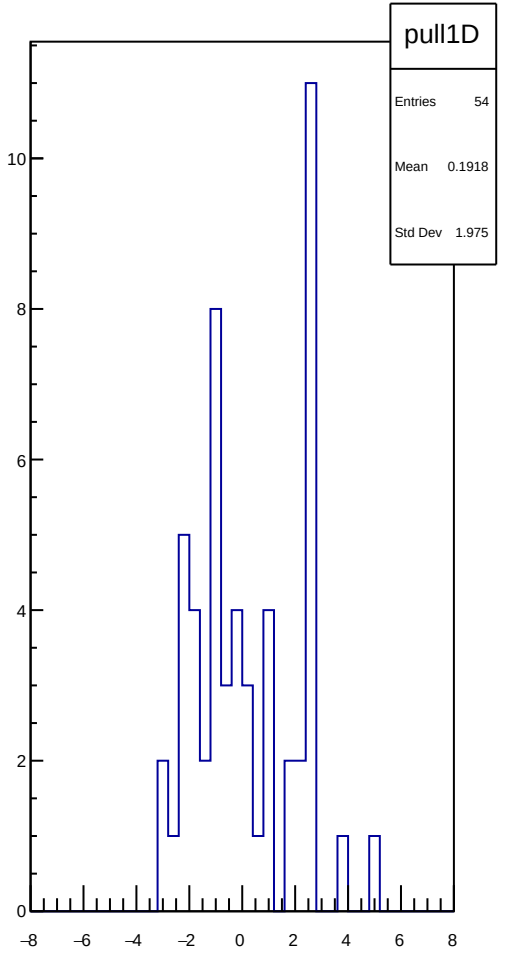

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.6 / 53
p0 −91.09 ± 1.507
pull
Entries 54
Mean 20.12
Std Dev 20.28

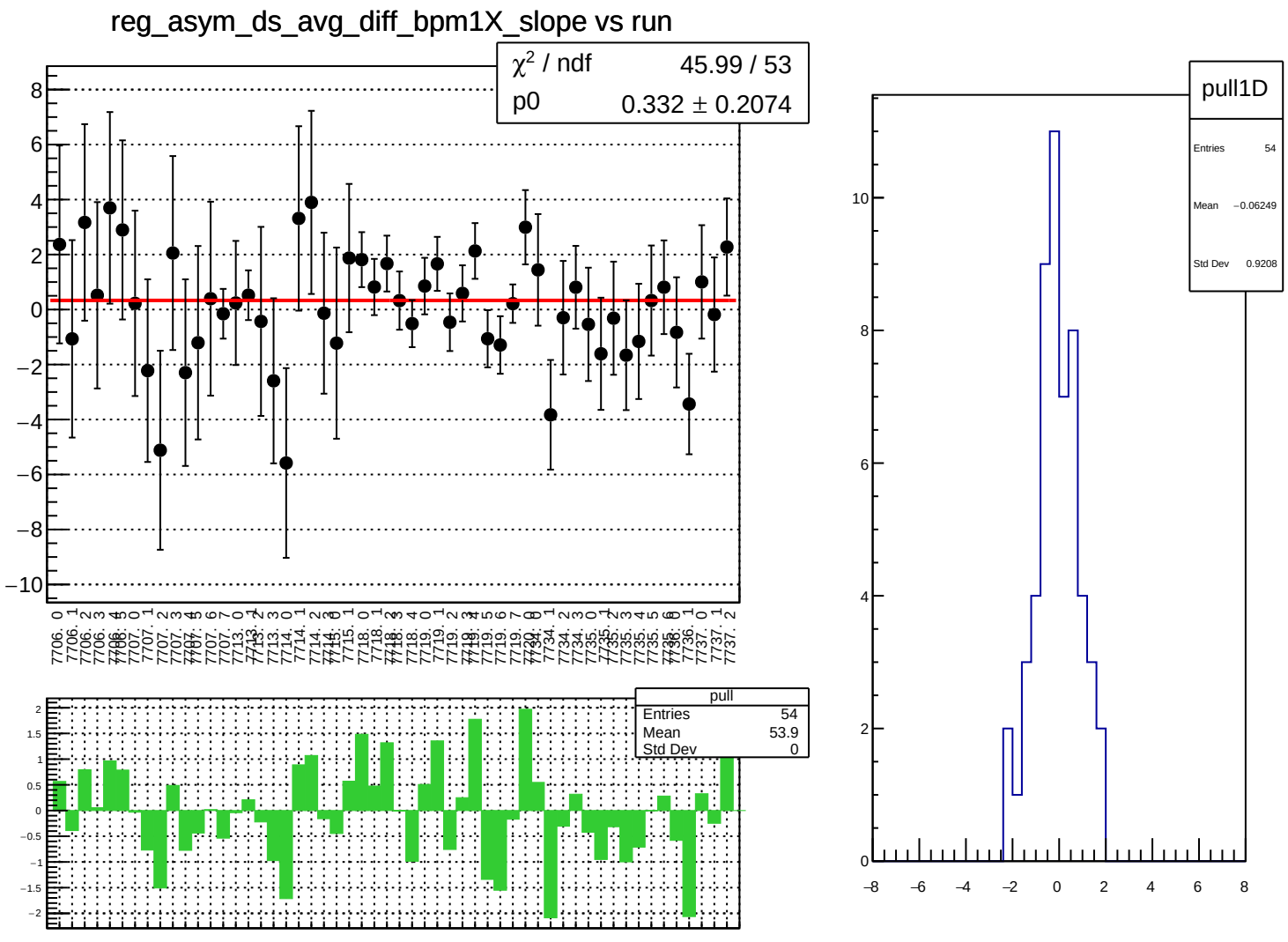

pull1D
Entries 54
Mean 0.6276
Std Dev 1.264

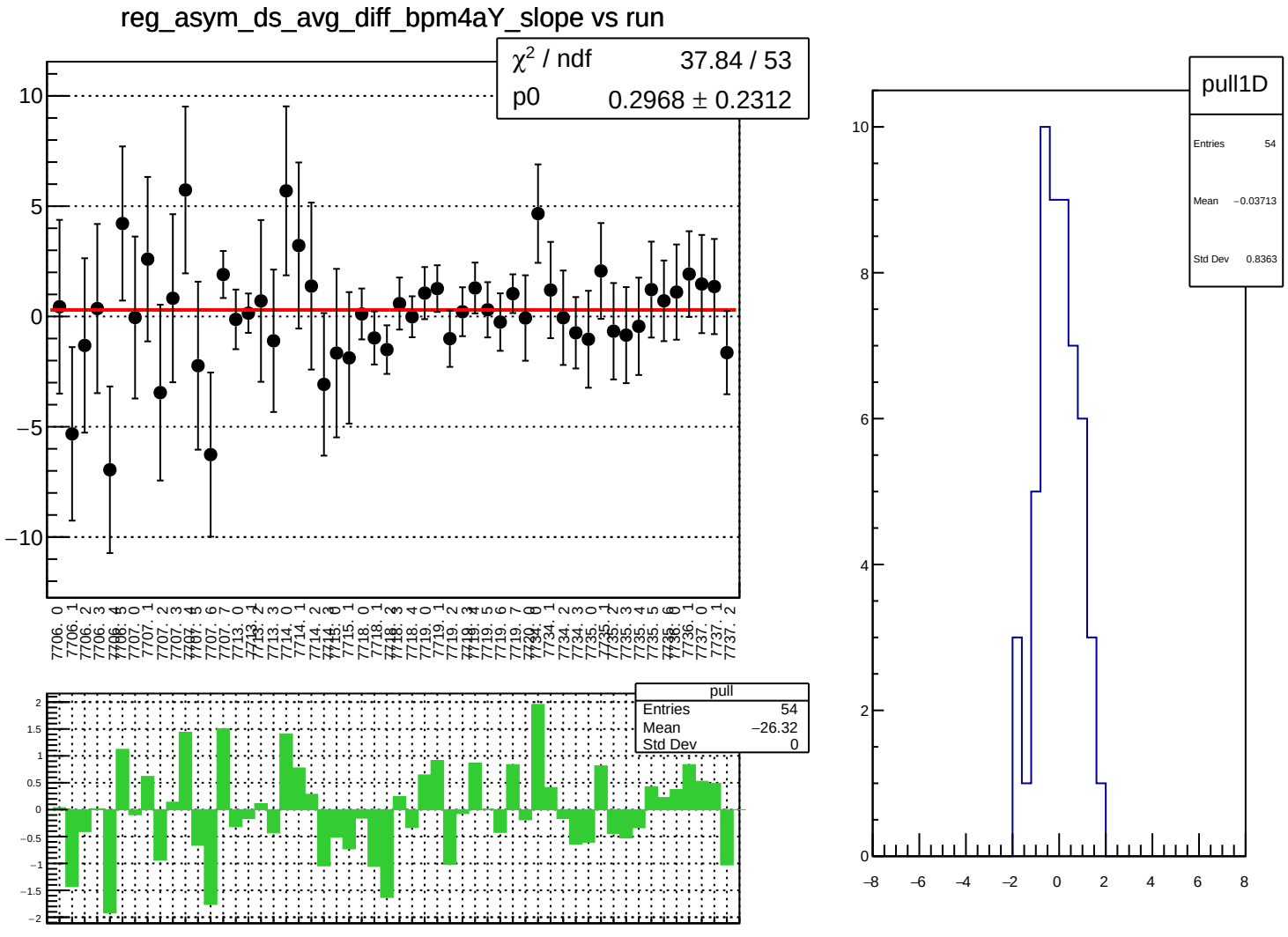

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 53
p0 3.845 ± 2.992
pull
Entries 54
Mean 55.76
Std Dev 0

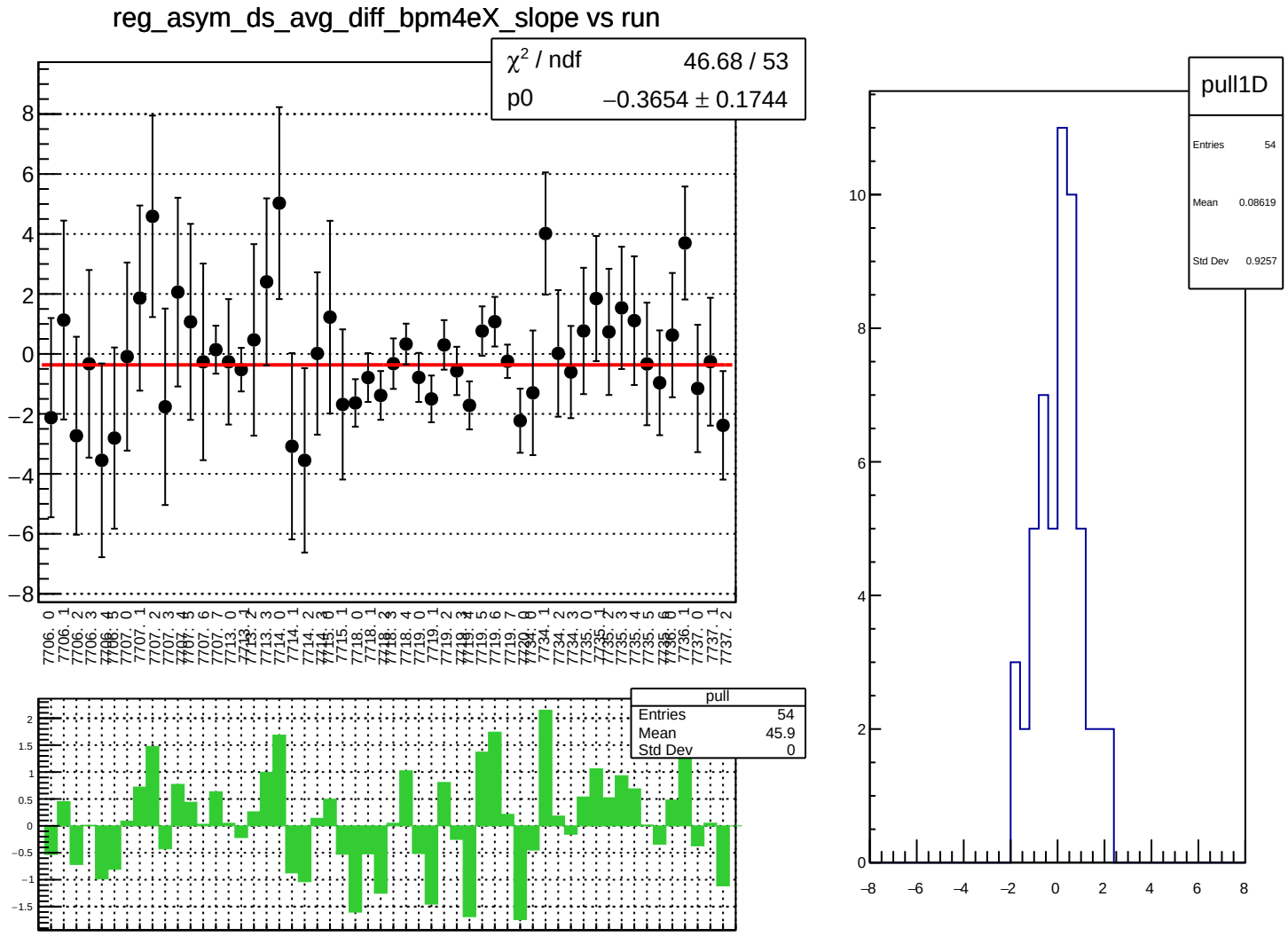

pull1D
Entries 54
Mean 0.06927
Std Dev 0.4709

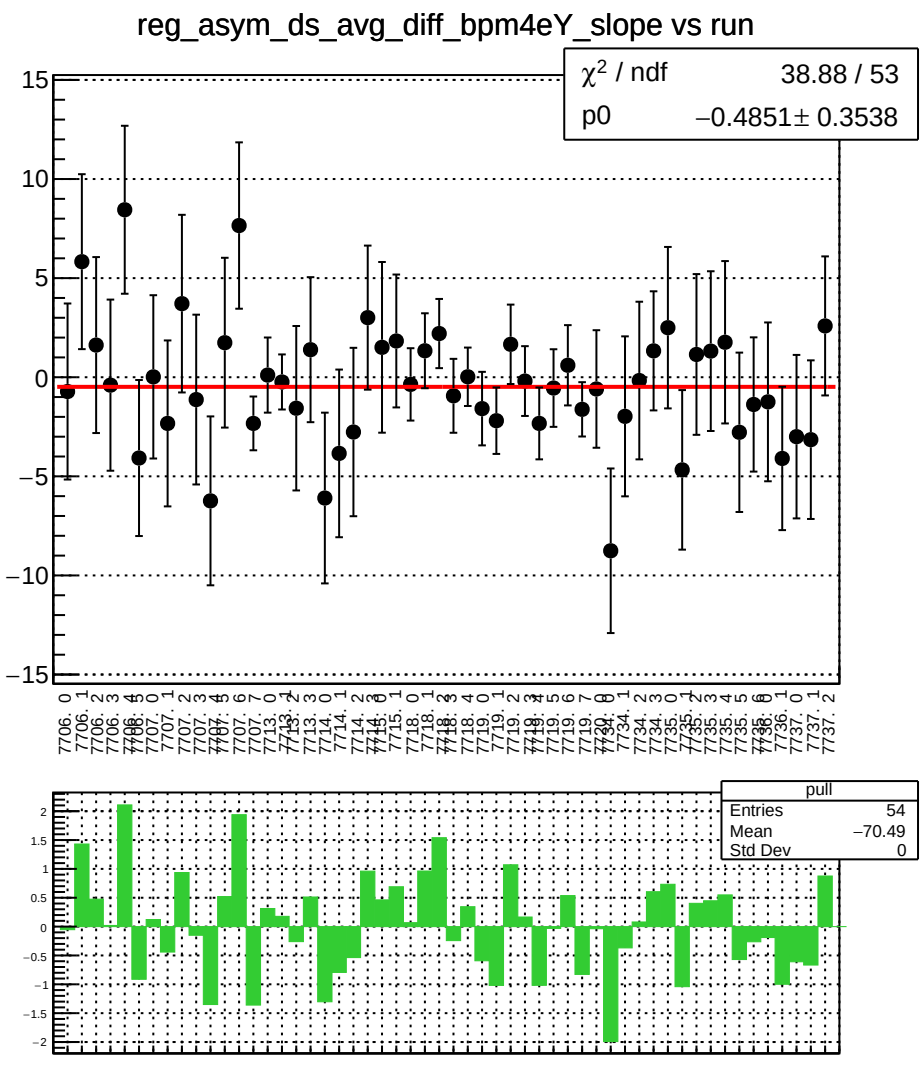

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 212.6 / 53
p0 6.378 ± 0.1288
pull
Entries 54
Mean 18.3
Std Dev 0

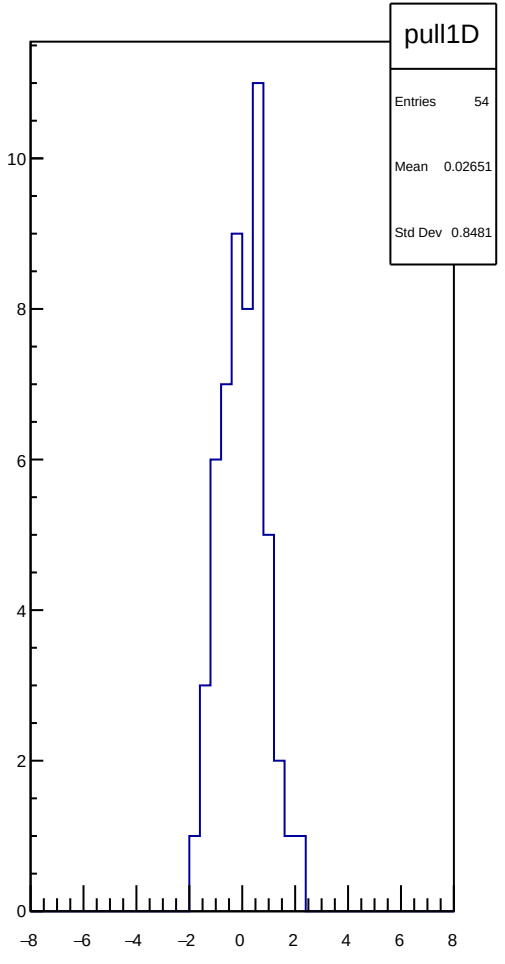

pull1D
Entries 54
Mean 0.1918
Std Dev 1.975

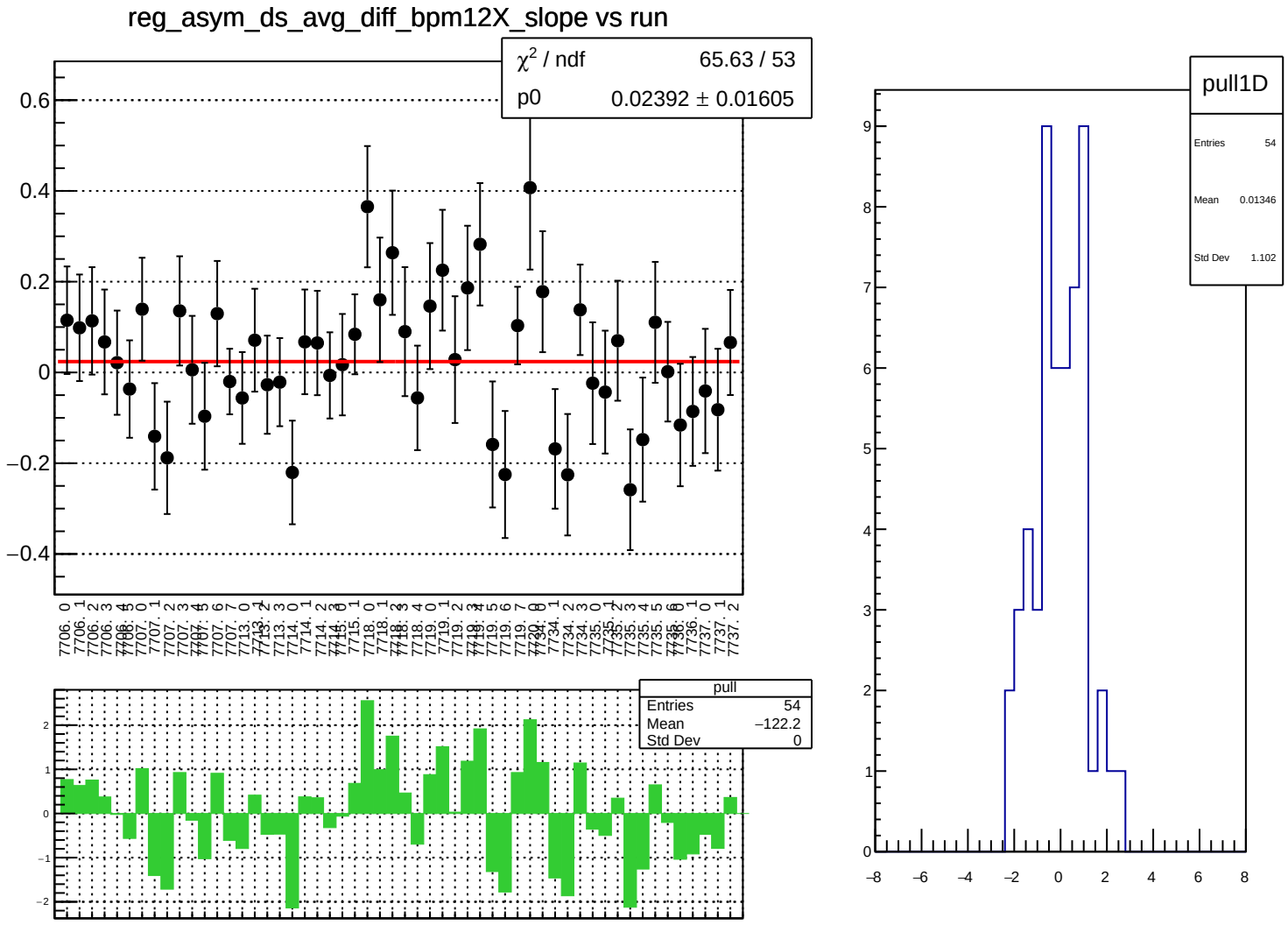

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 45.99 / 53
p0 0.332 ± 0.2074
pull
Entries 54
Mean 53.9
Std Dev 0
pull1D
Entries 54
Mean −0.06249
Std Dev 0.9208

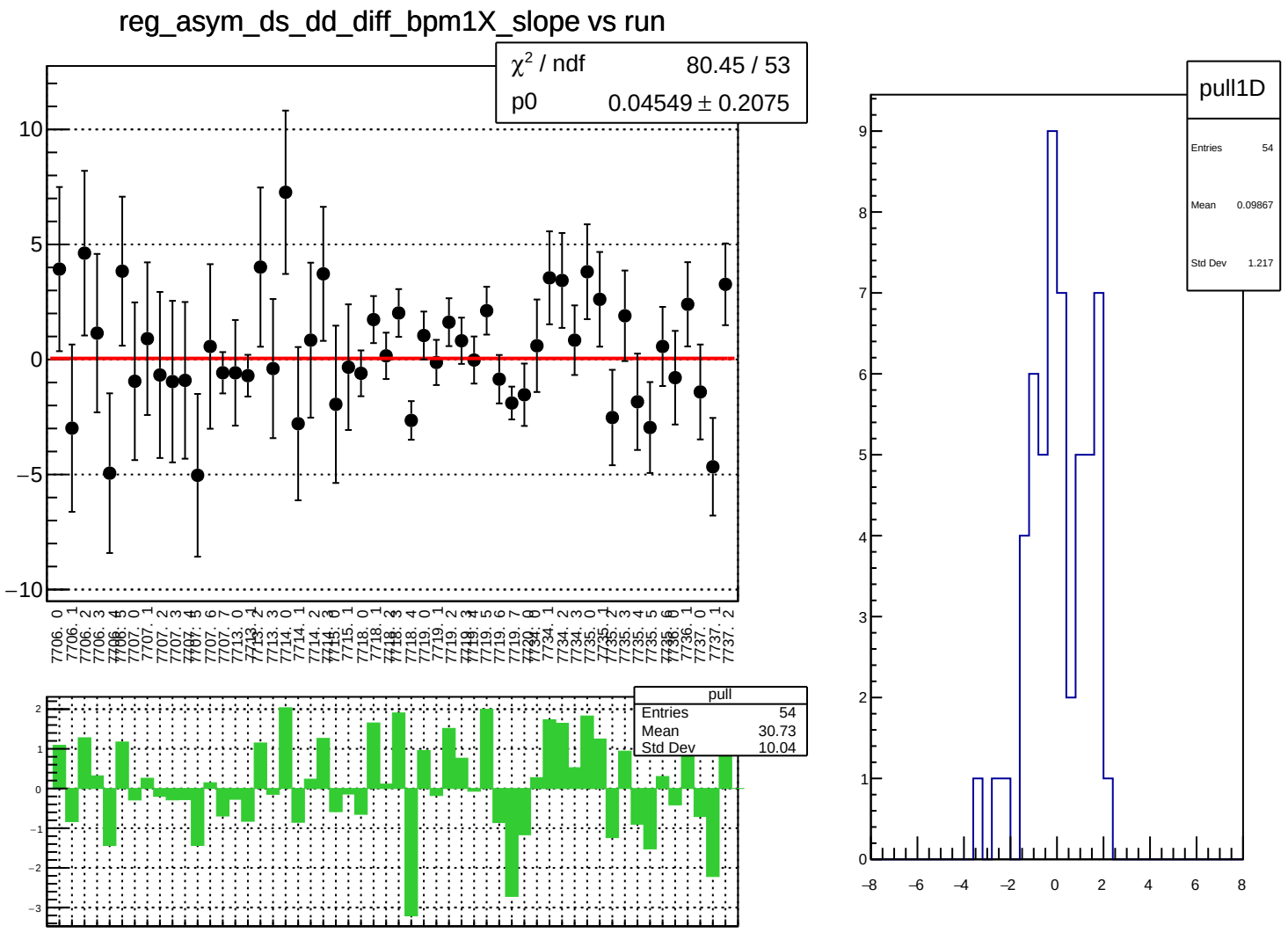

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.84 / 53
p0 0.2968 ± 0.2312
pull
Entries 54
Mean −26.32
Std Dev 0
pull1D
Entries 54
Mean −0.03713
Std Dev 0.8363

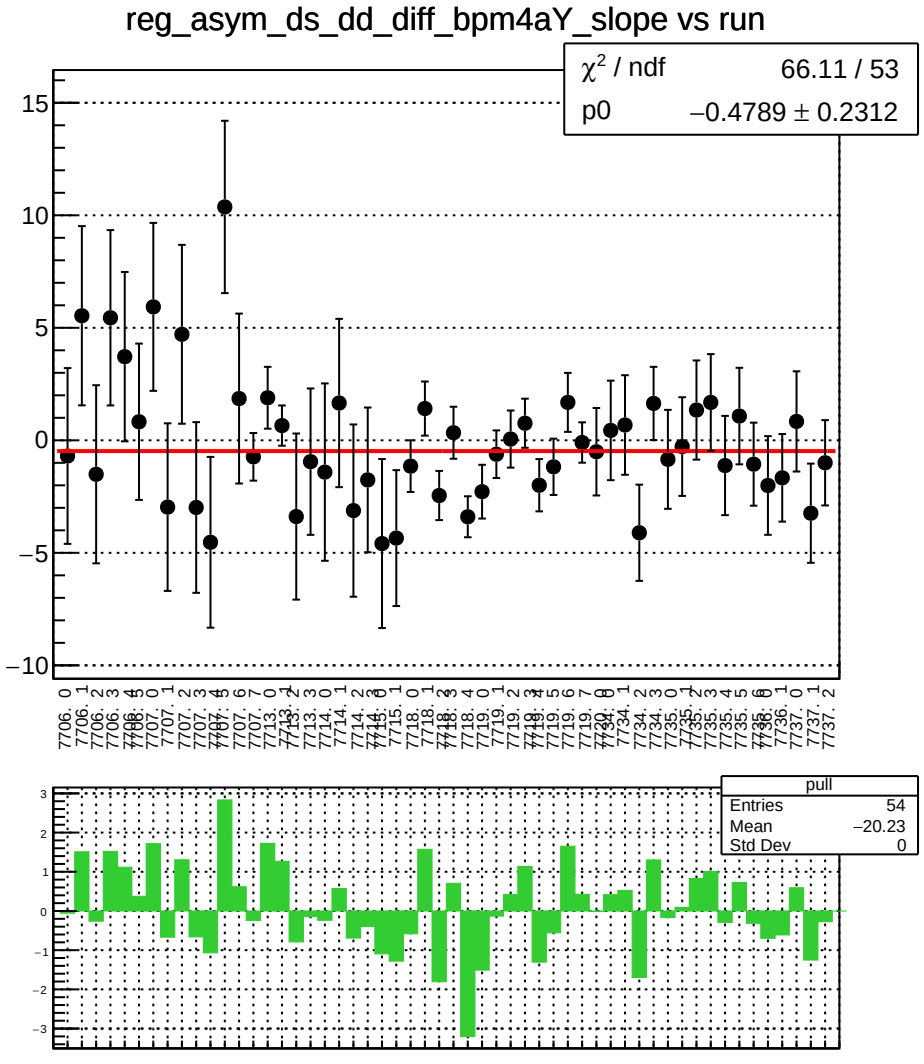

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.68 / 53
p0 −0.3654 ± 0.1744
pull
Entries 54
Mean 45.9
Std Dev 0
pull1D
Entries 54
Mean 0.08619
Std Dev 0.9257

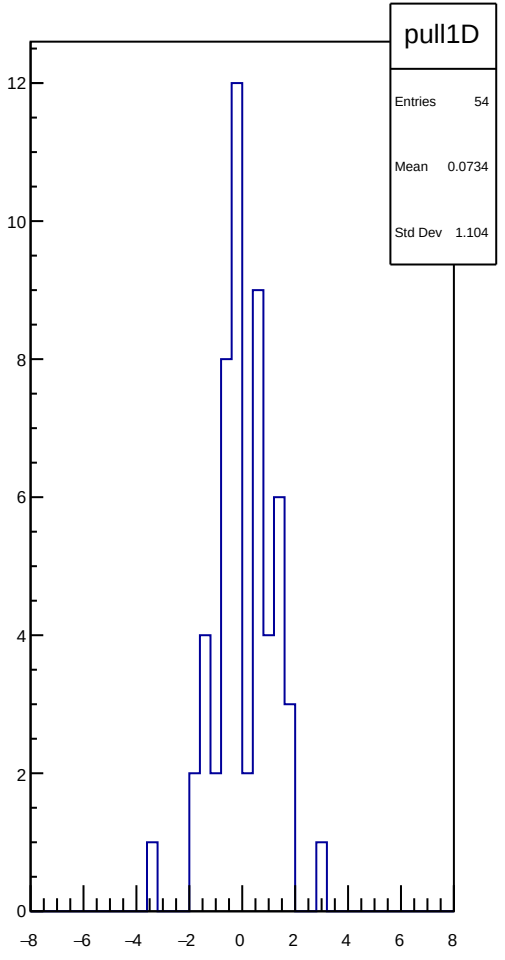

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.88 / 53
p0 −0.4851± 0.3538
pull
Entries 54
Mean −70.49
Std Dev 0

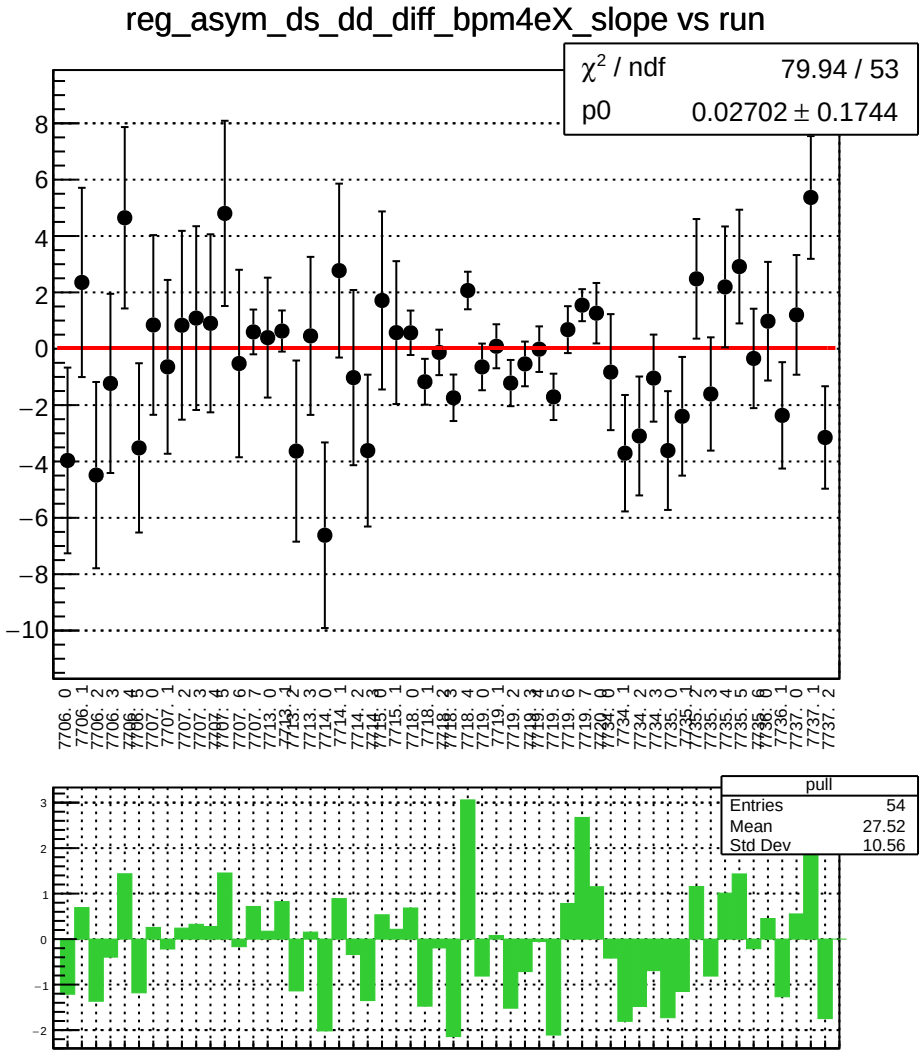

pull1D
Entries 54
Mean 0.02651
Std Dev 0.8481

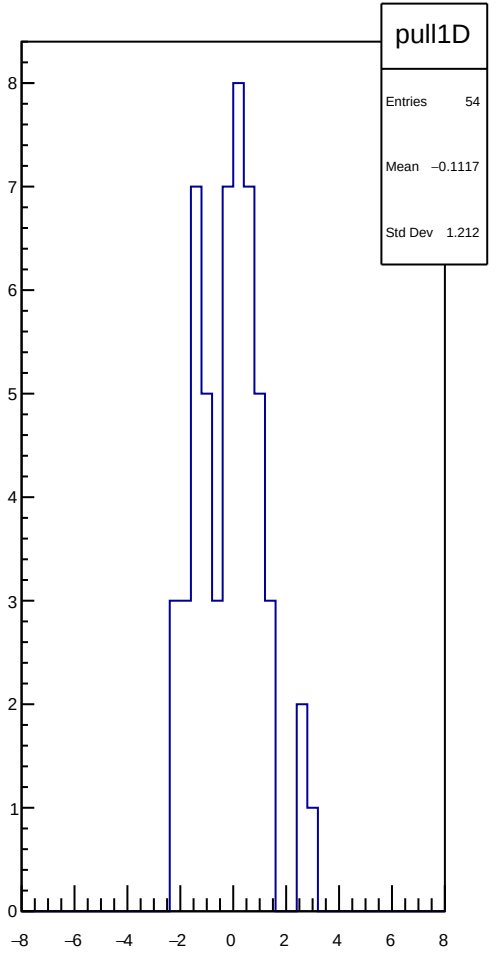

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 65.63 / 53
p0 0.02392 ± 0.01605
pull
Entries 54
Mean −122.2
Std Dev 0
pull1D
Entries 54
Mean 0.01346
Std Dev 1.102

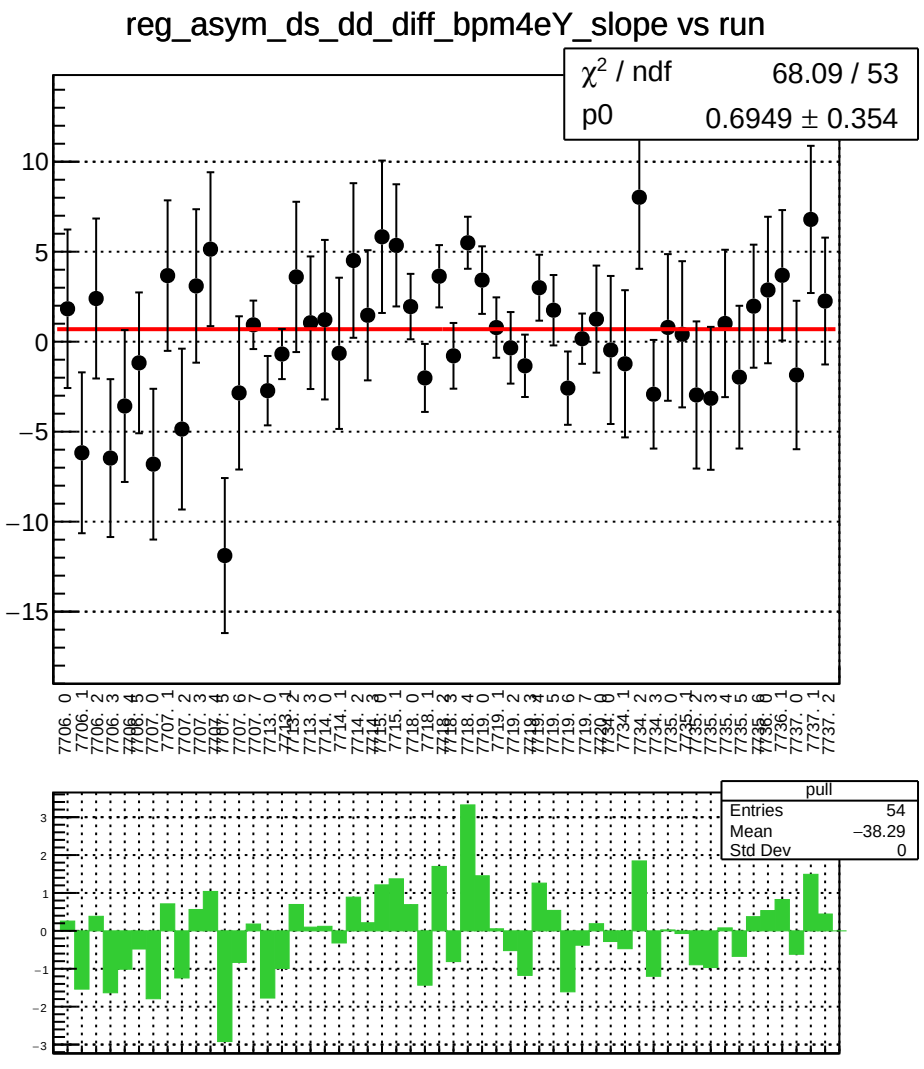

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 80.45 / 53
p0 0.04549 ± 0.2075
pull
Entries 54
Mean 30.73
Std Dev 10.04
pull1D
Entries 54
Mean 0.09867
Std Dev 1.217

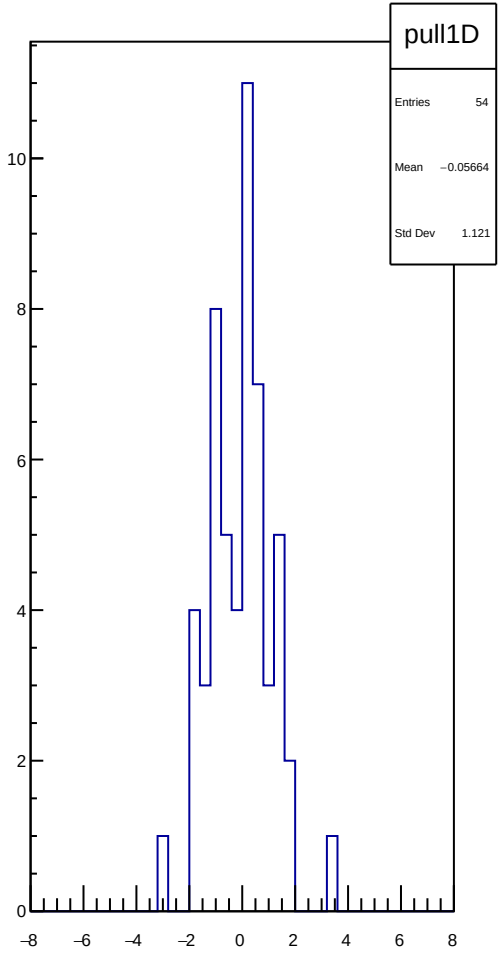

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.11 / 53
p0 −0.4789 ± 0.2312
pull
Entries 54
Mean −20.23
Std Dev 0

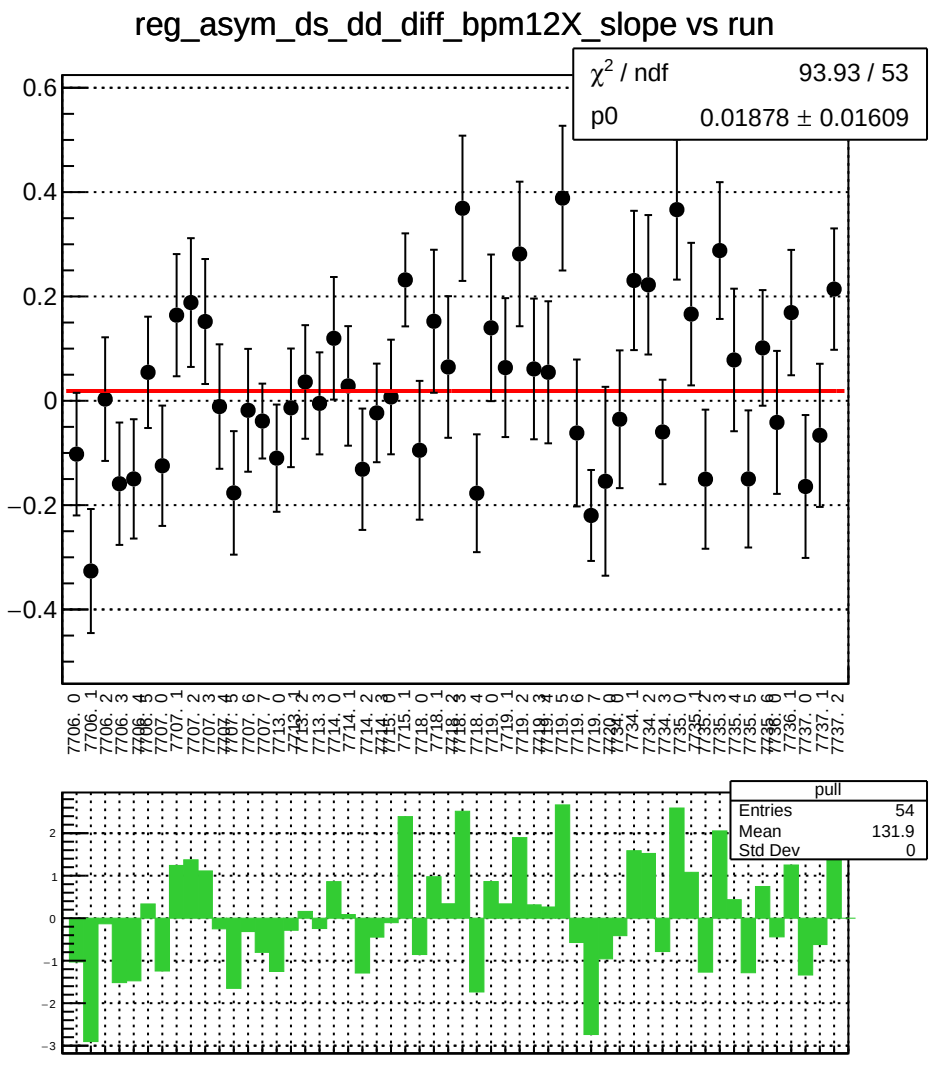

pull1D
Entries 54
Mean 0.0734
Std Dev 1.104

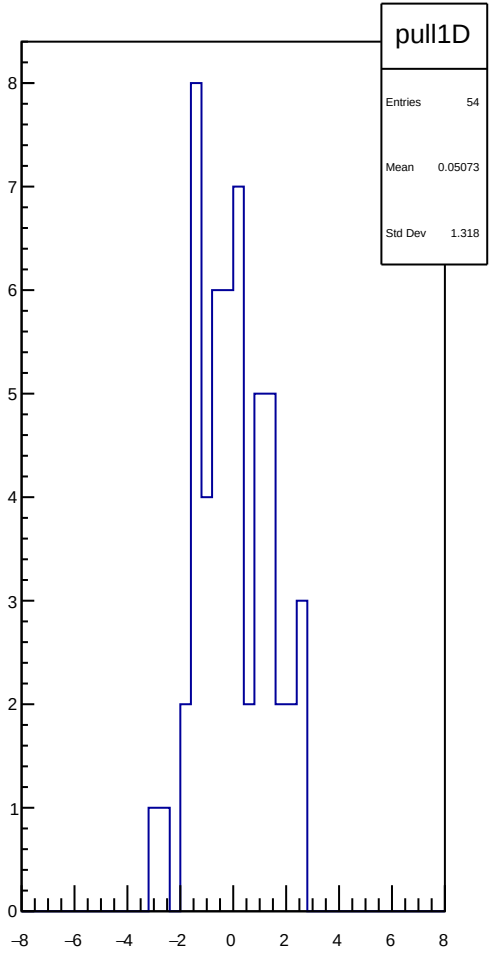

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.94 / 53
p0 0.02702 ± 0.1744
pull
Entries 54
Mean 27.52
Std Dev 10.56

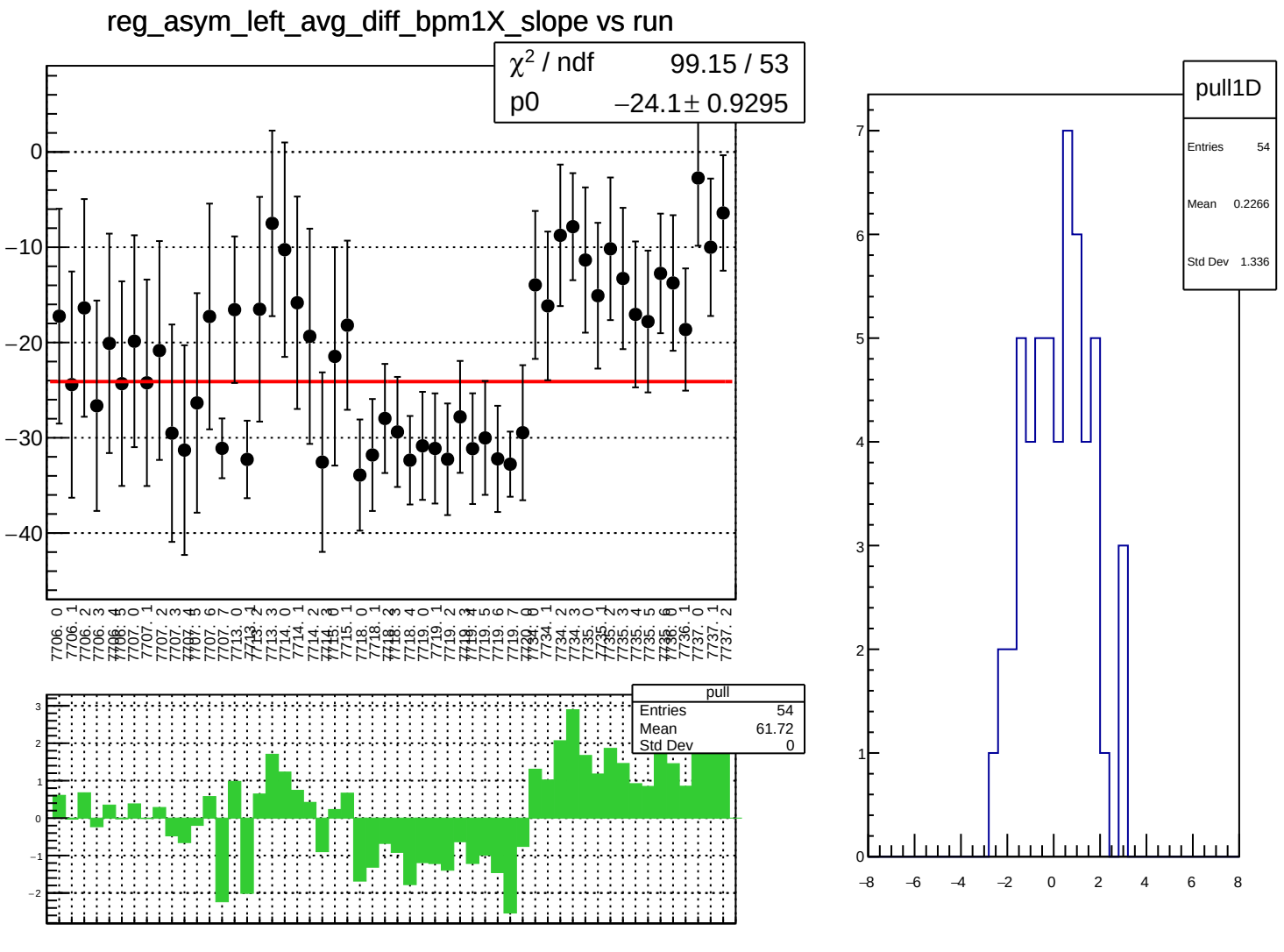

pull1D
Entries 54
Mean −0.1117
Std Dev 1.212

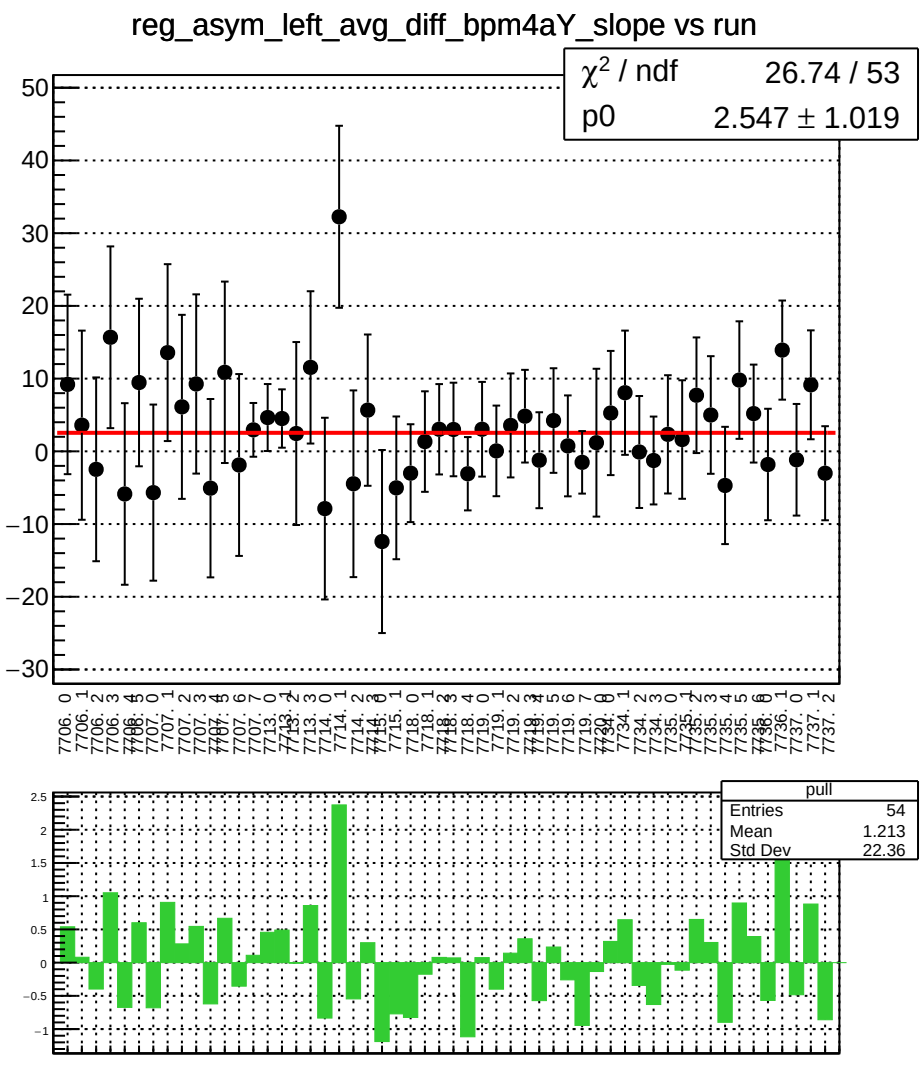

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.09 / 53
p0 0.6949 ± 0.354
pull
Entries 54
Mean −38.29
Std Dev 0

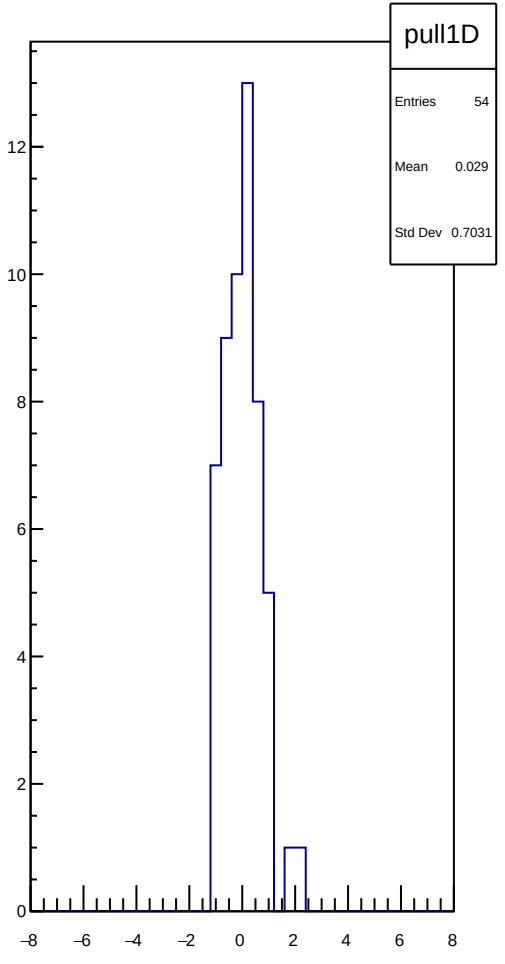

pull1D
Entries 54
Mean −0.05664
Std Dev 1.121

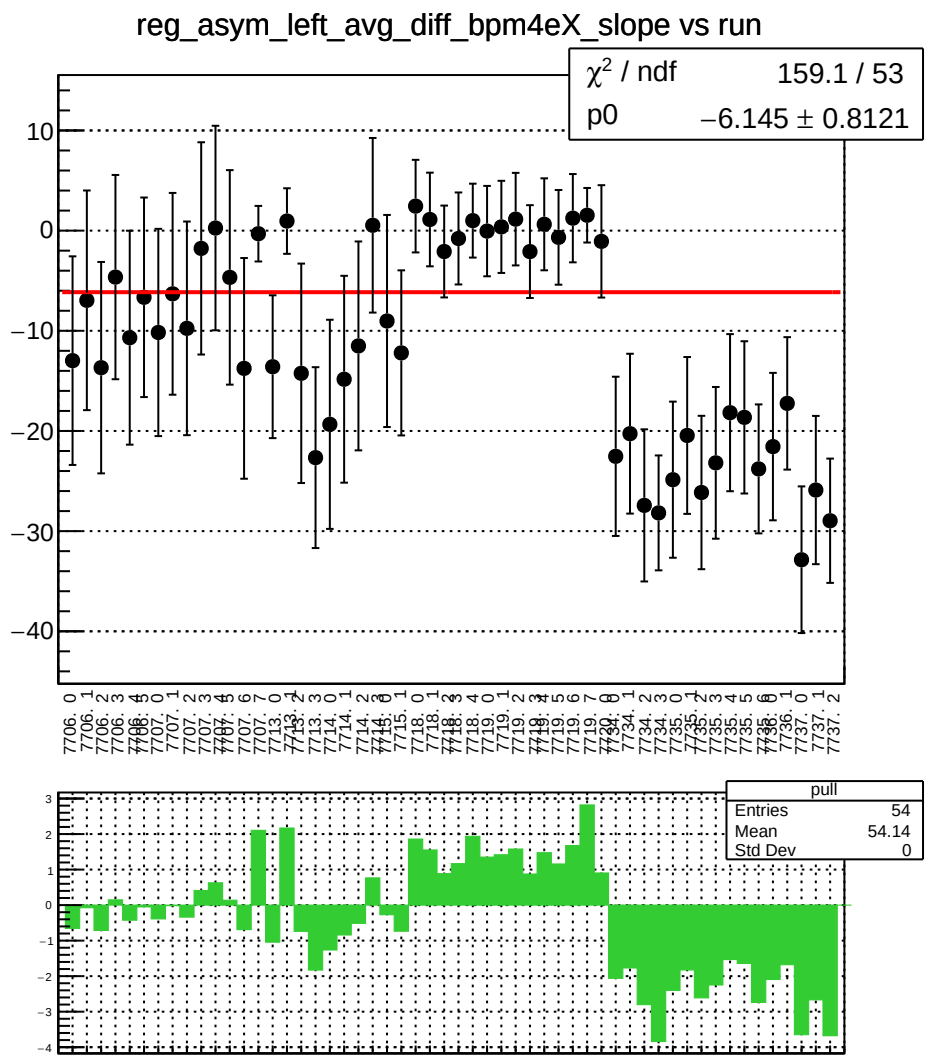

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 93.93 / 53
p0 0.01878 ± 0.01609
pull
Entries 54
Mean 131.9
Std Dev 0

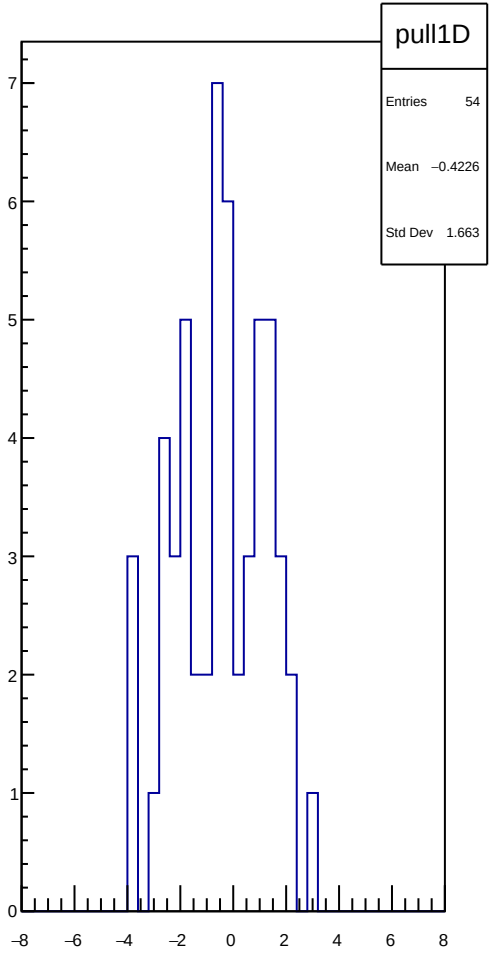

pull1D
Entries 54
Mean 0.05073
Std Dev 1.318

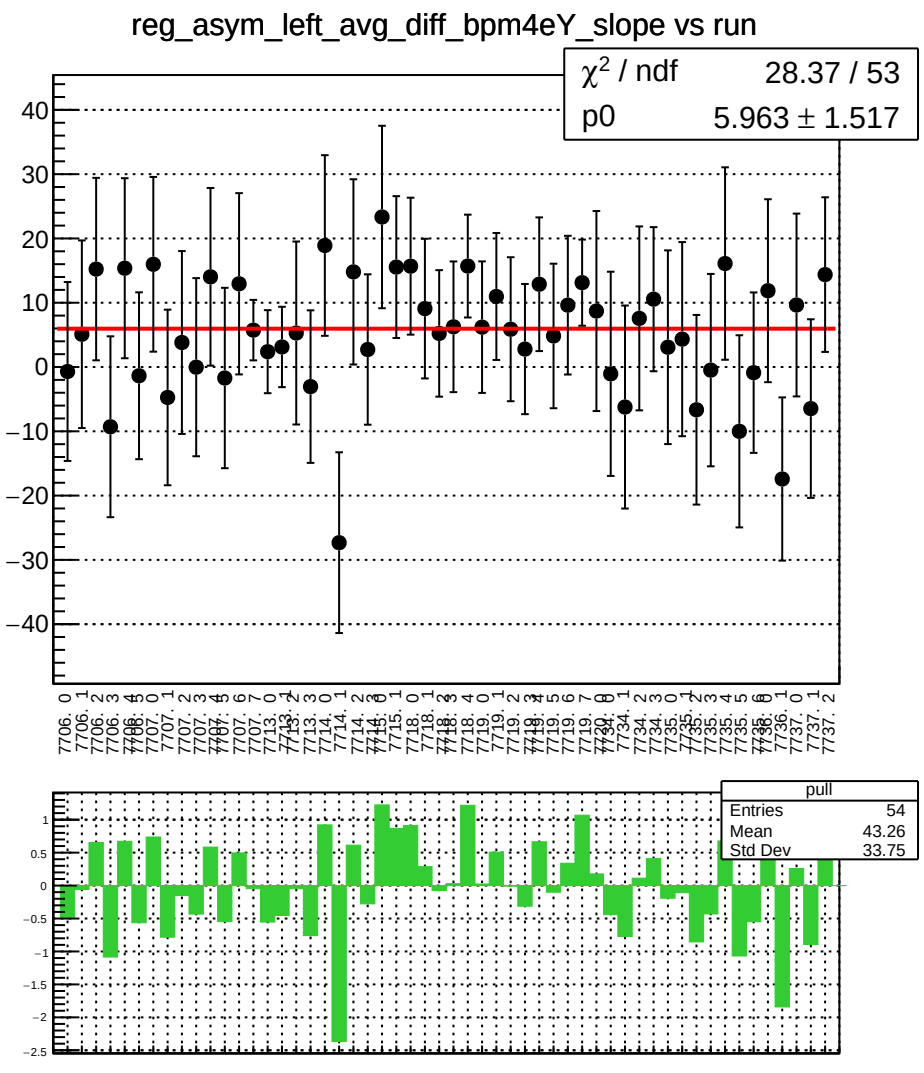

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 99.15 / 53
p0 −24.1 ± 0.9295
pull
Entries 54
Mean 61.72
Std Dev 0
pull1D
Entries 54
Mean 0.2266
Std Dev 1.336

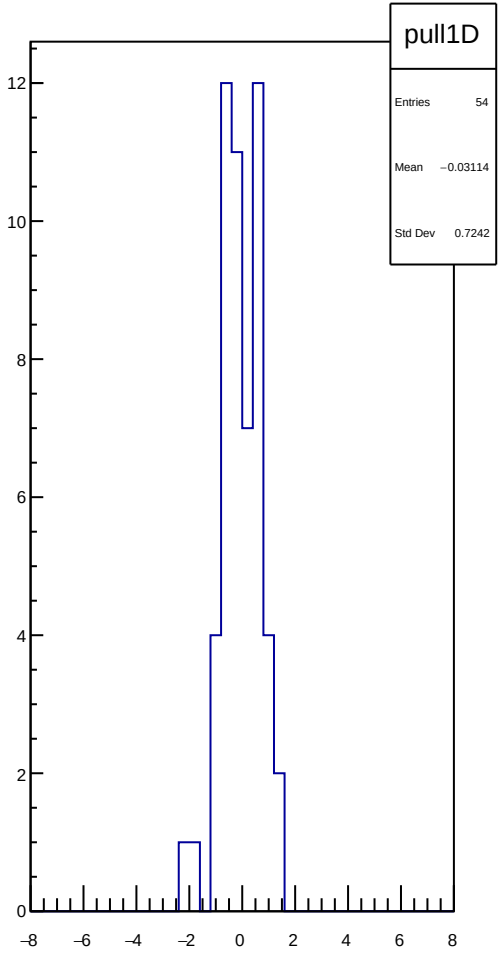

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.74 / 53
p0 2.547 ± 1.019
pull
Entries 54
Mean 1.213
Std Dev 22.36

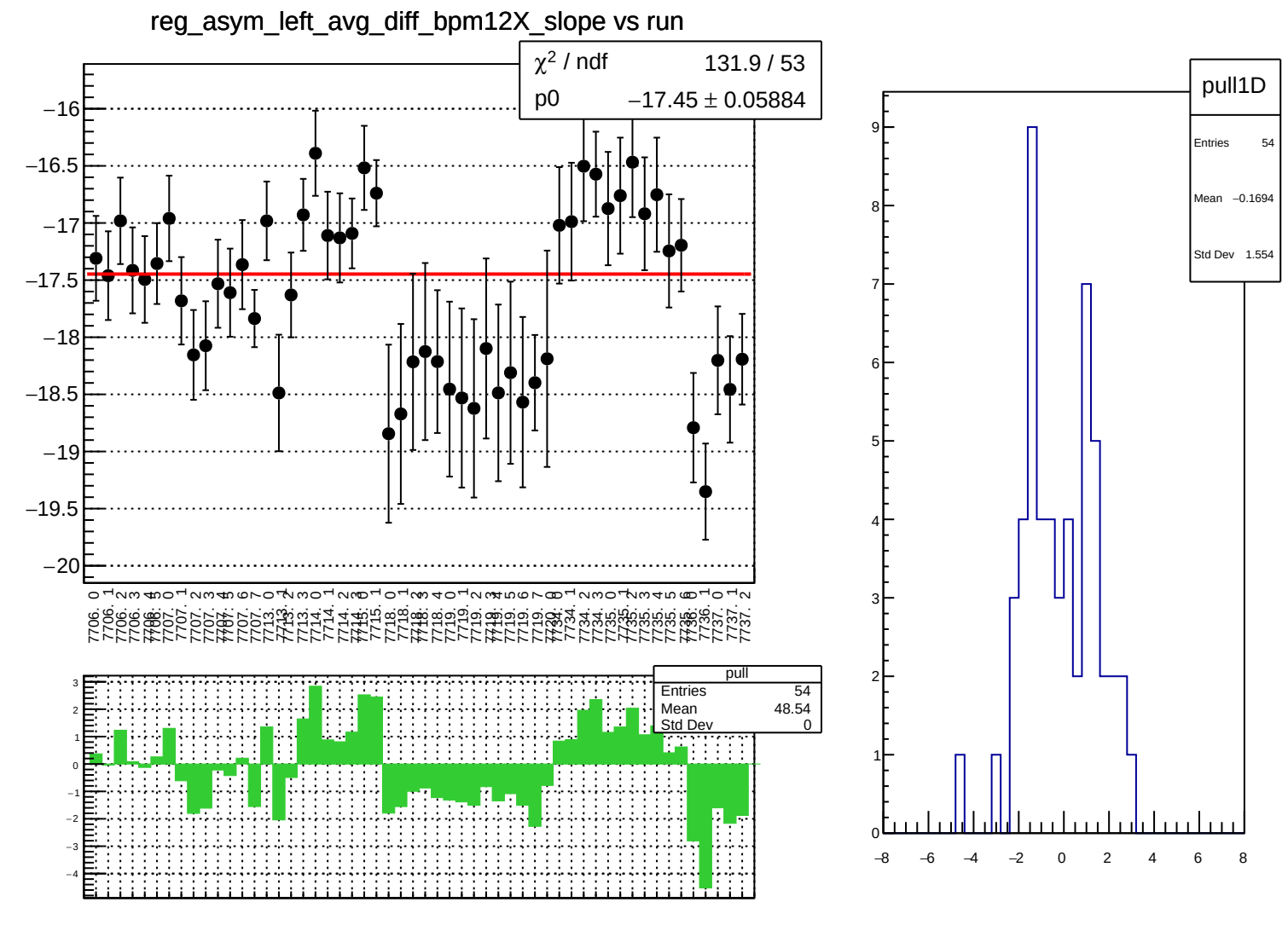

pull1D
Entries 54
Mean 0.029
Std Dev 0.7031

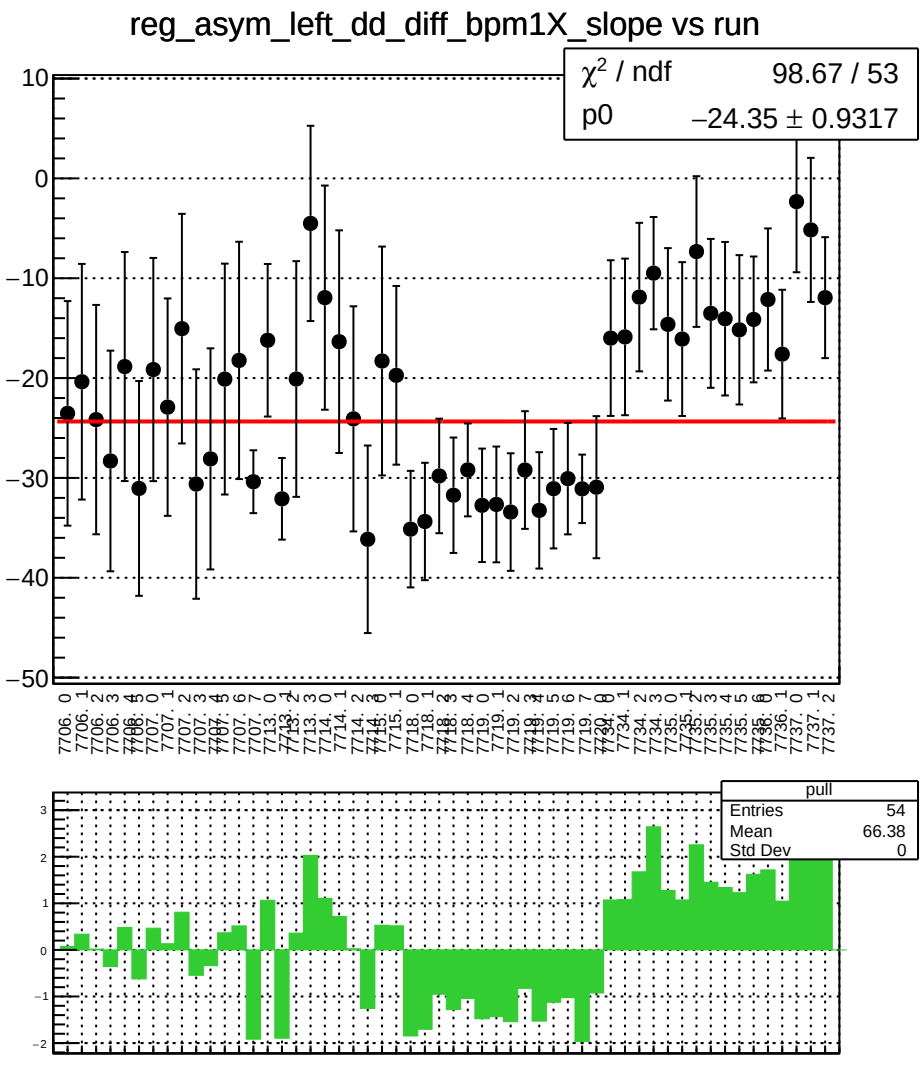

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 159.1 / 53
p0 −6.145 ± 0.8121
pull
Entries 54
Mean 54.14
Std Dev 0

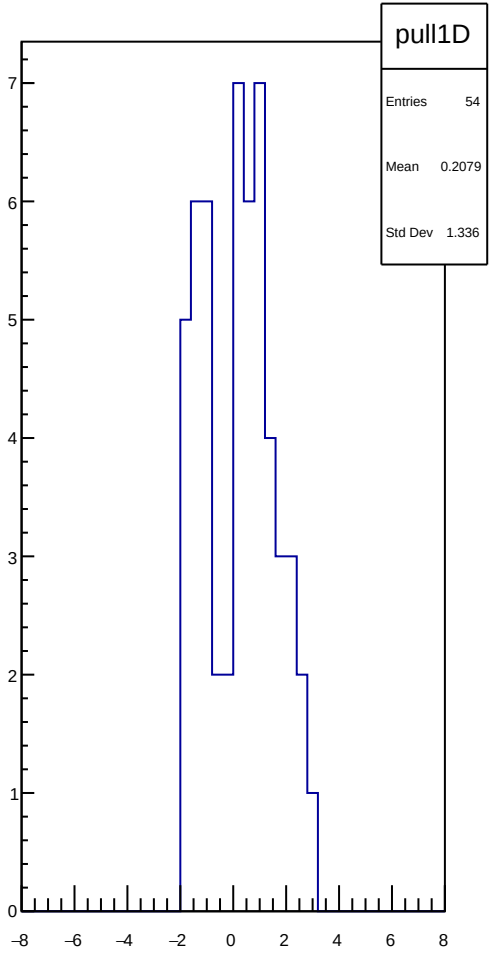

pull1D
Entries 54
Mean −0.4226
Std Dev 1.663

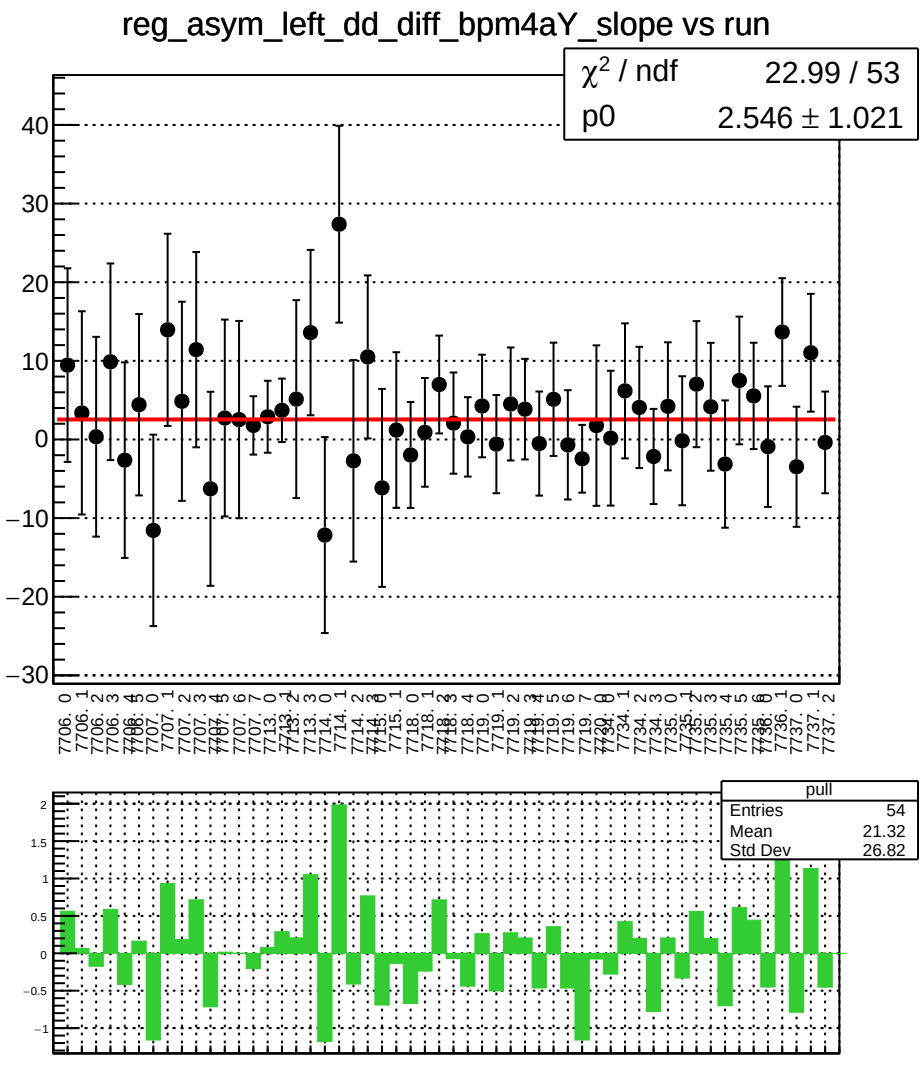

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.37 / 53
p0 5.963 ± 1.517
pull
Entries 54
Mean 43.26
Std Dev 33.75

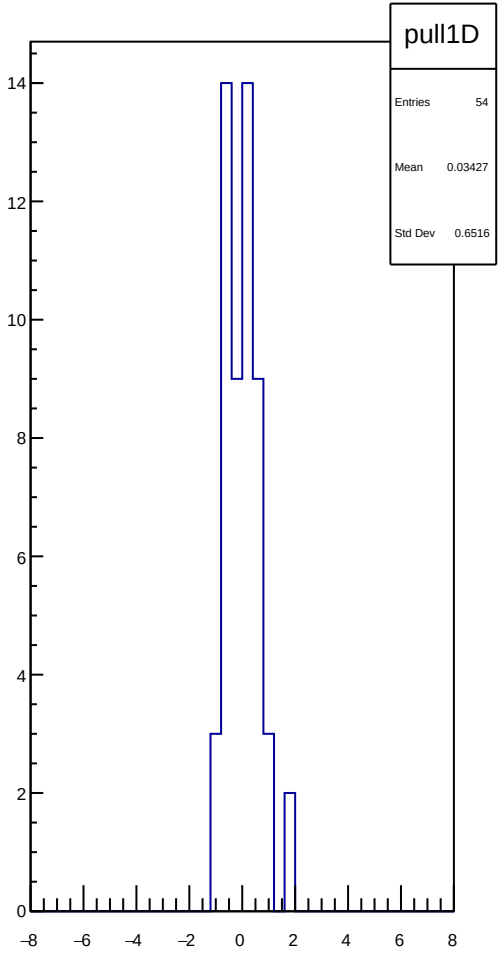

pull1D
Entries 54
Mean −0.03114
Std Dev 0.7242

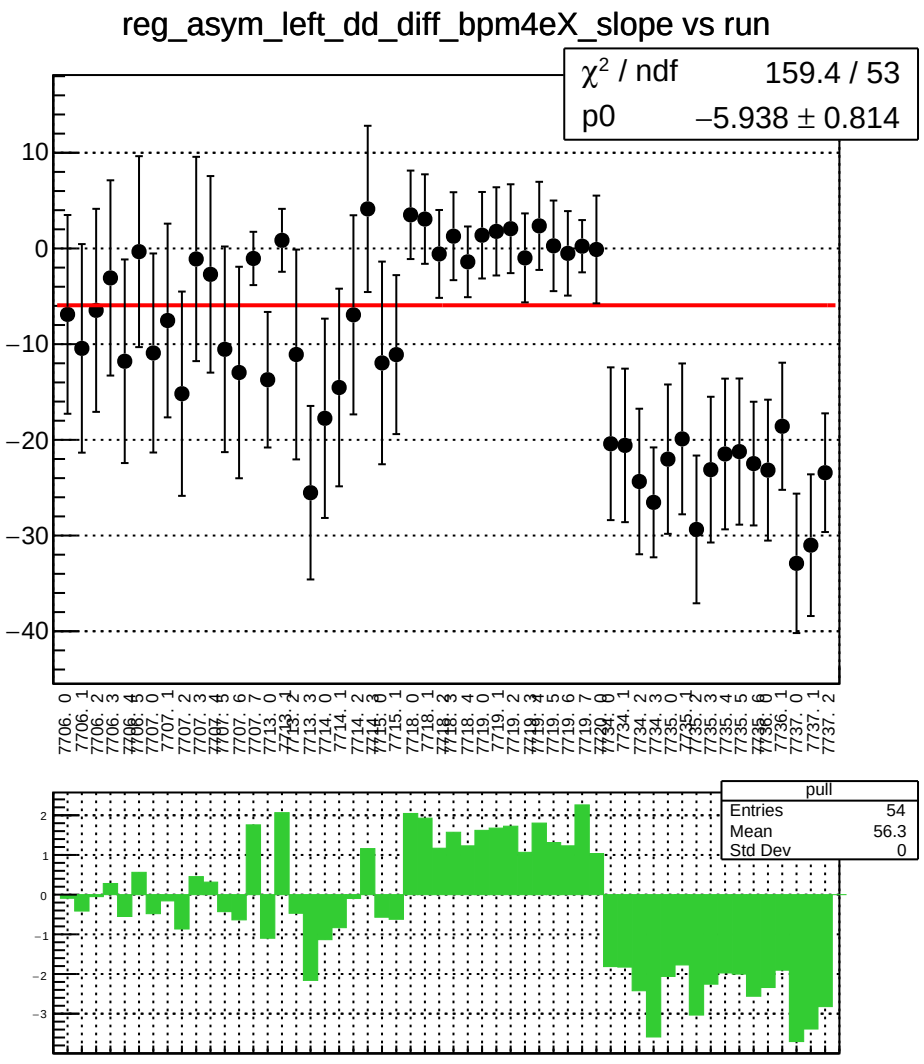

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 131.9 / 53
p0 −17.45 ± 0.05884
pull
Entries 54
Mean 48.54
Std Dev 0
pull1D
Entries 54
Mean −0.1694
Std Dev 1.554

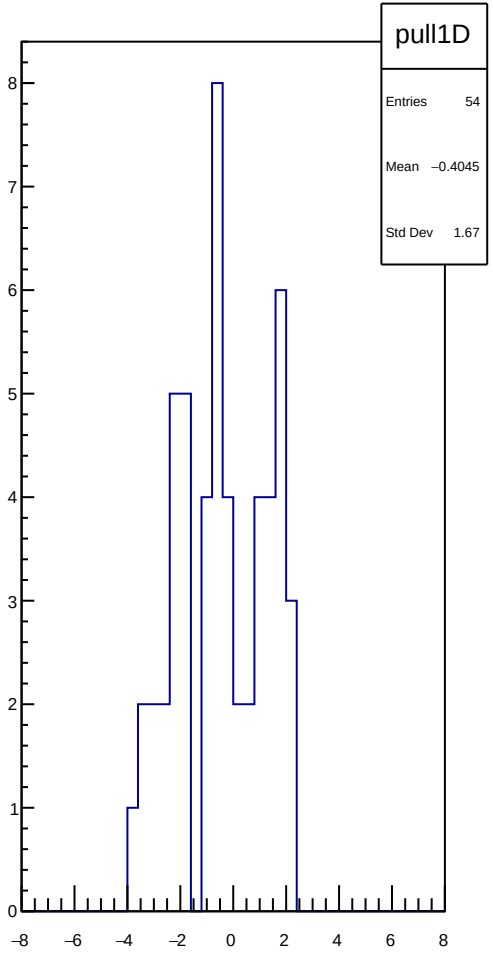

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 98.67 / 53
p0 −24.35 ± 0.9317
pull
Entries 54
Mean 66.38
Std Dev 0

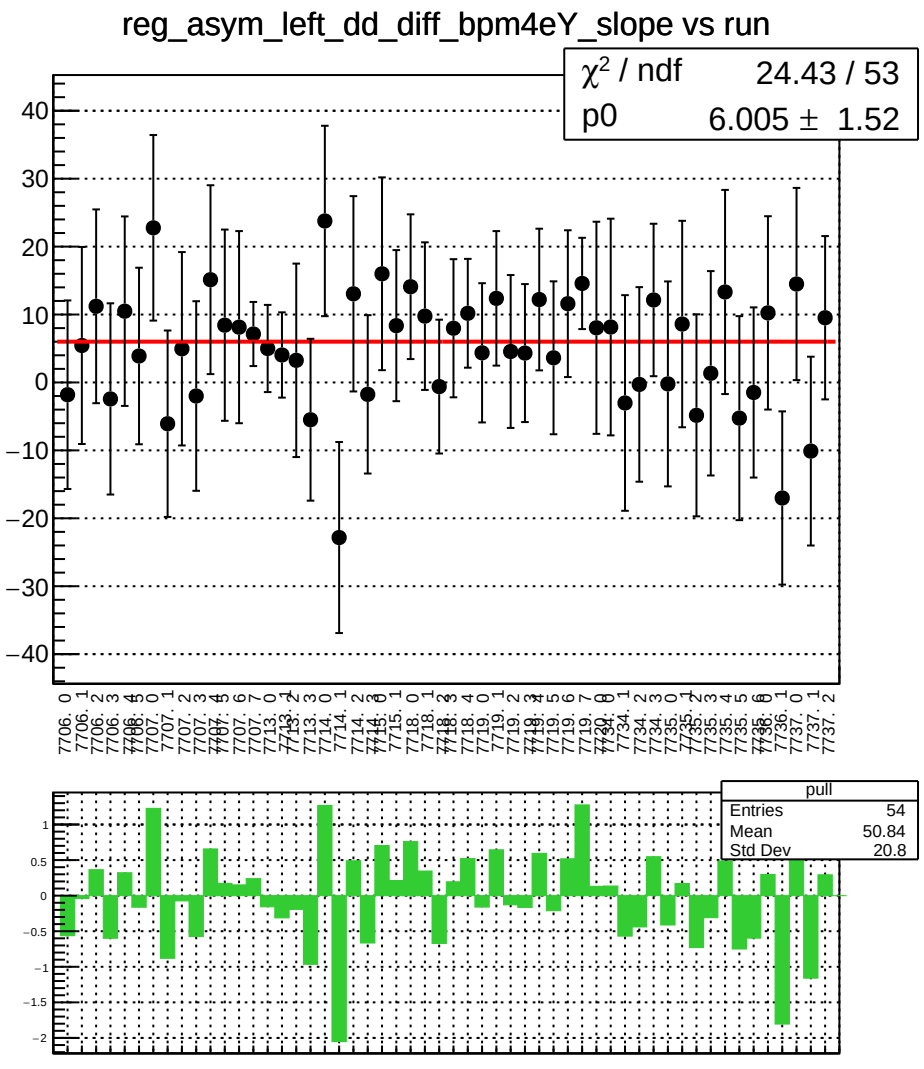

pull1D
Entries 54
Mean 0.2079
Std Dev 1.336

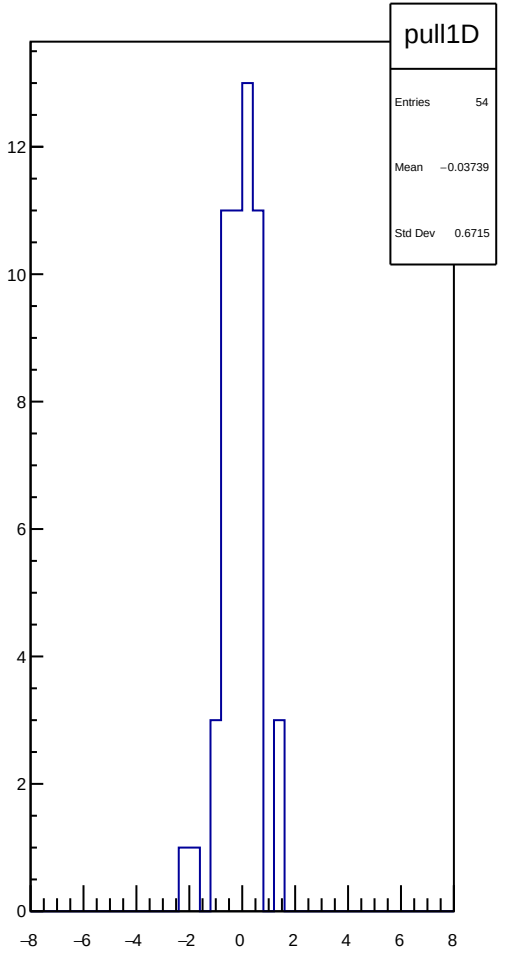

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.99 / 53
p0 2.546 ± 1.021
pull
Entries 54
Mean 21.32
Std Dev 26.82

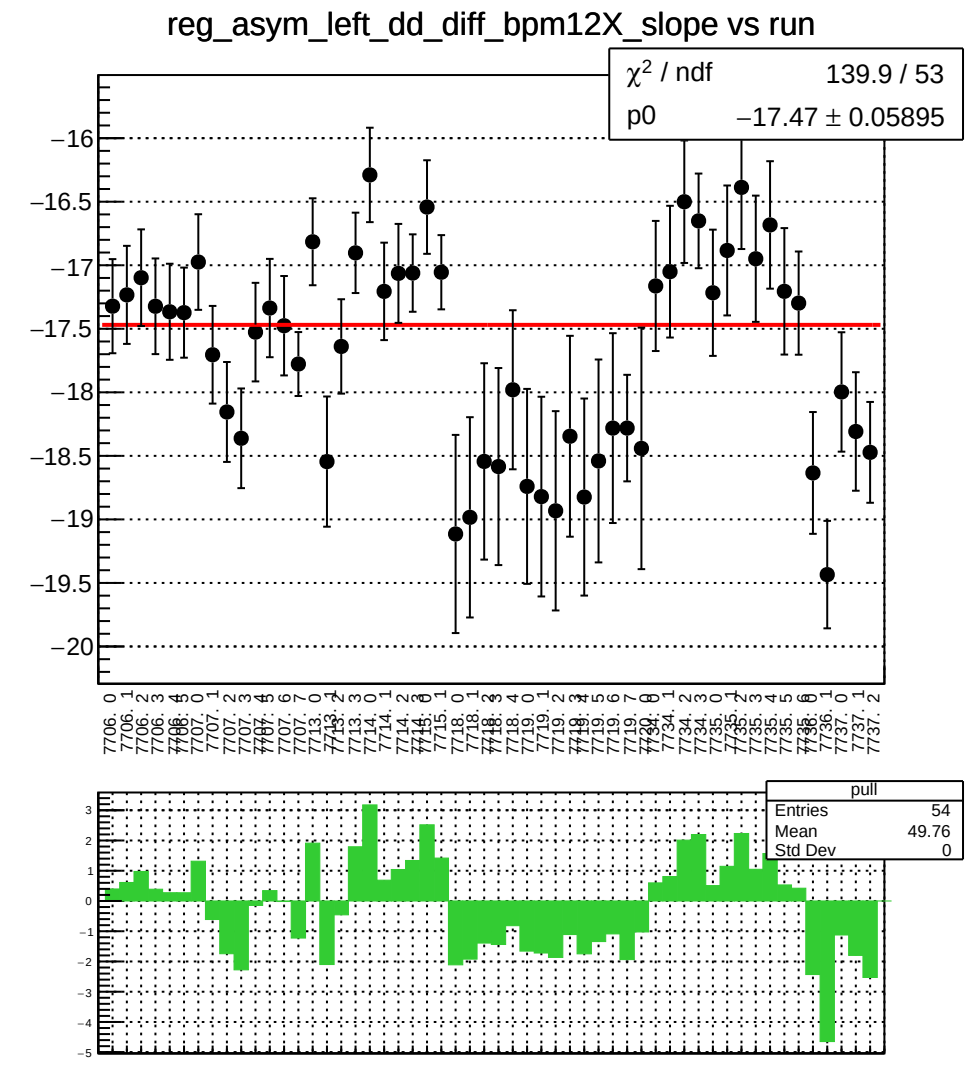

pull1D
Entries 54
Mean 0.03427
Std Dev 0.6516

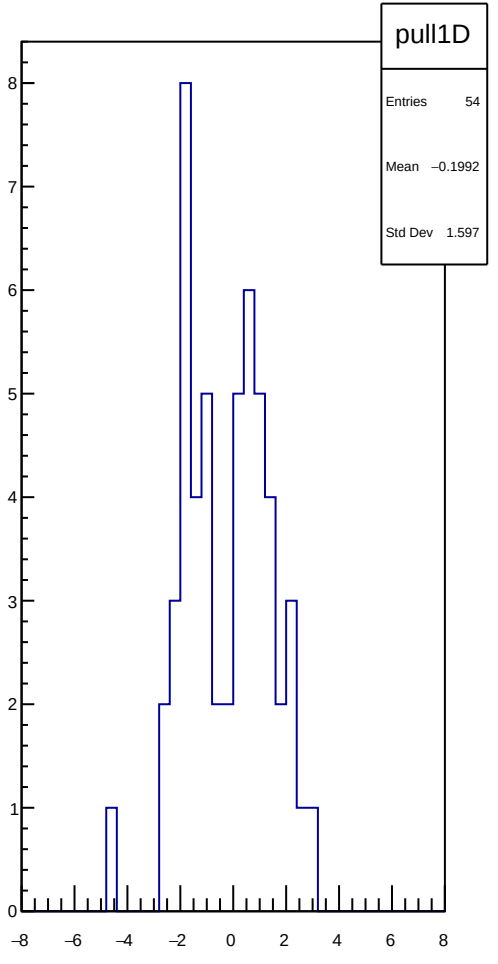

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 159.4 / 53
p0 −5.938 ± 0.814
pull
Entries 54
Mean 56.3
Std Dev 0

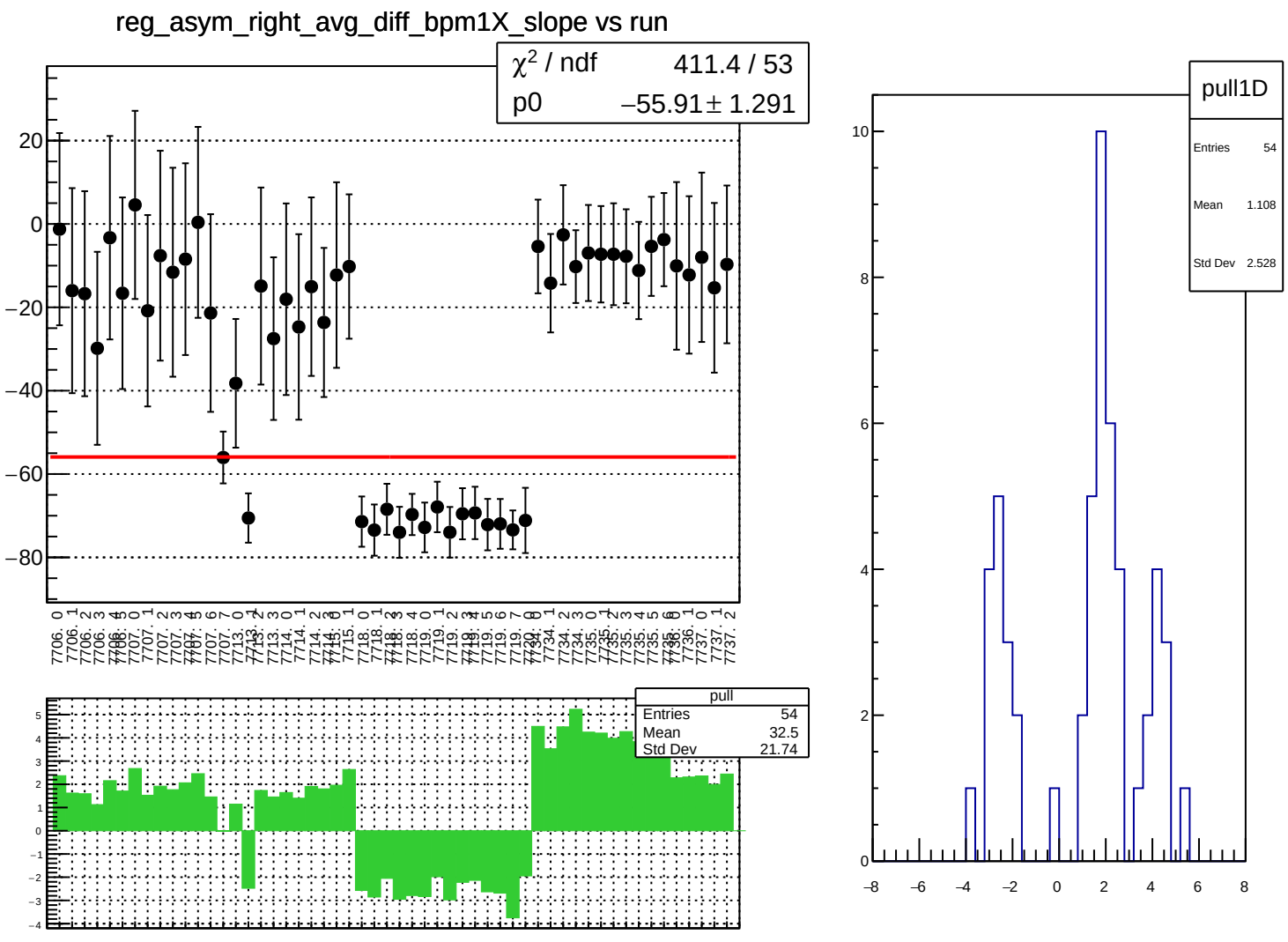

pull1D
Entries 54
Mean −0.4045
Std Dev 1.67

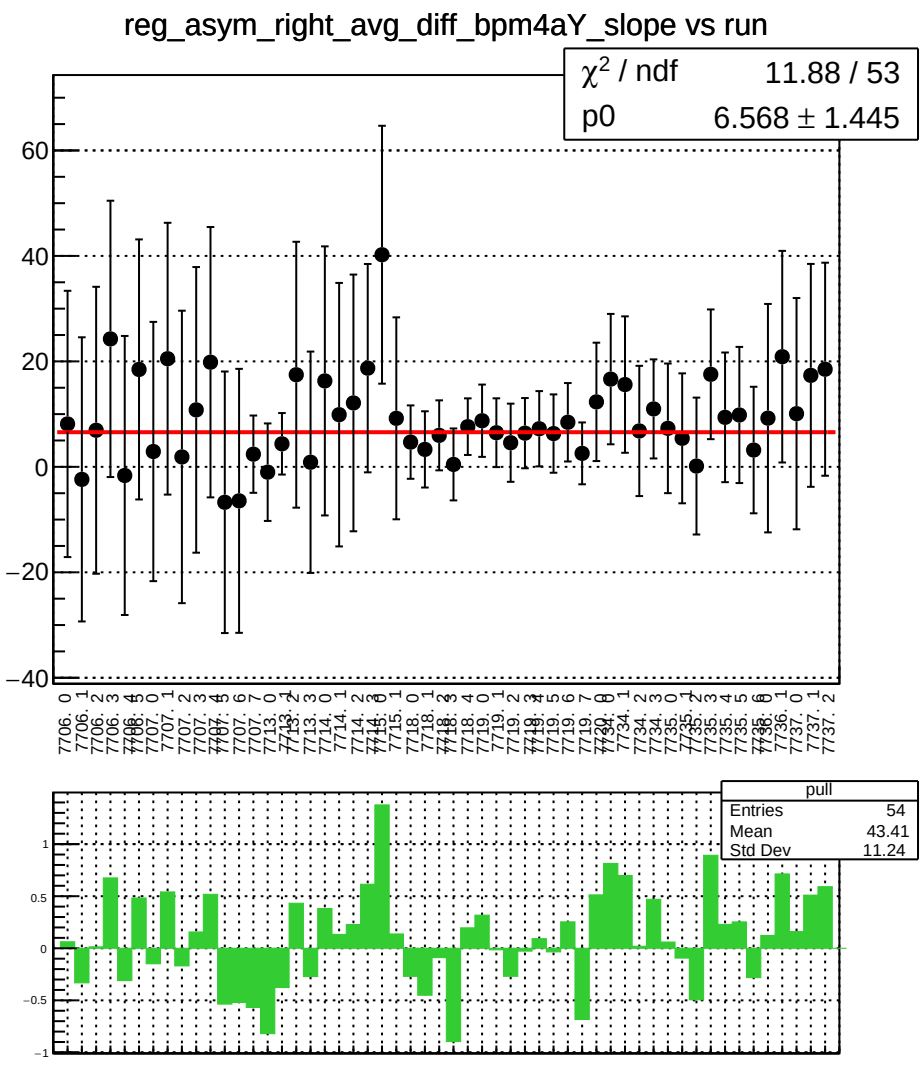

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.43 / 53
p0 6.005 ± 1.52
pull
Entries 54
Mean 50.84
Std Dev 20.8

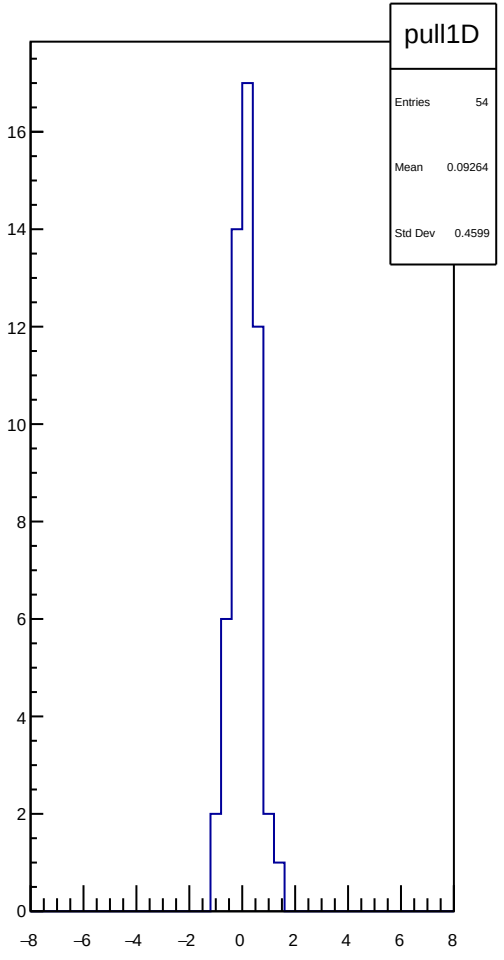

pull1D
Entries 54
Mean −0.03739
Std Dev 0.6715

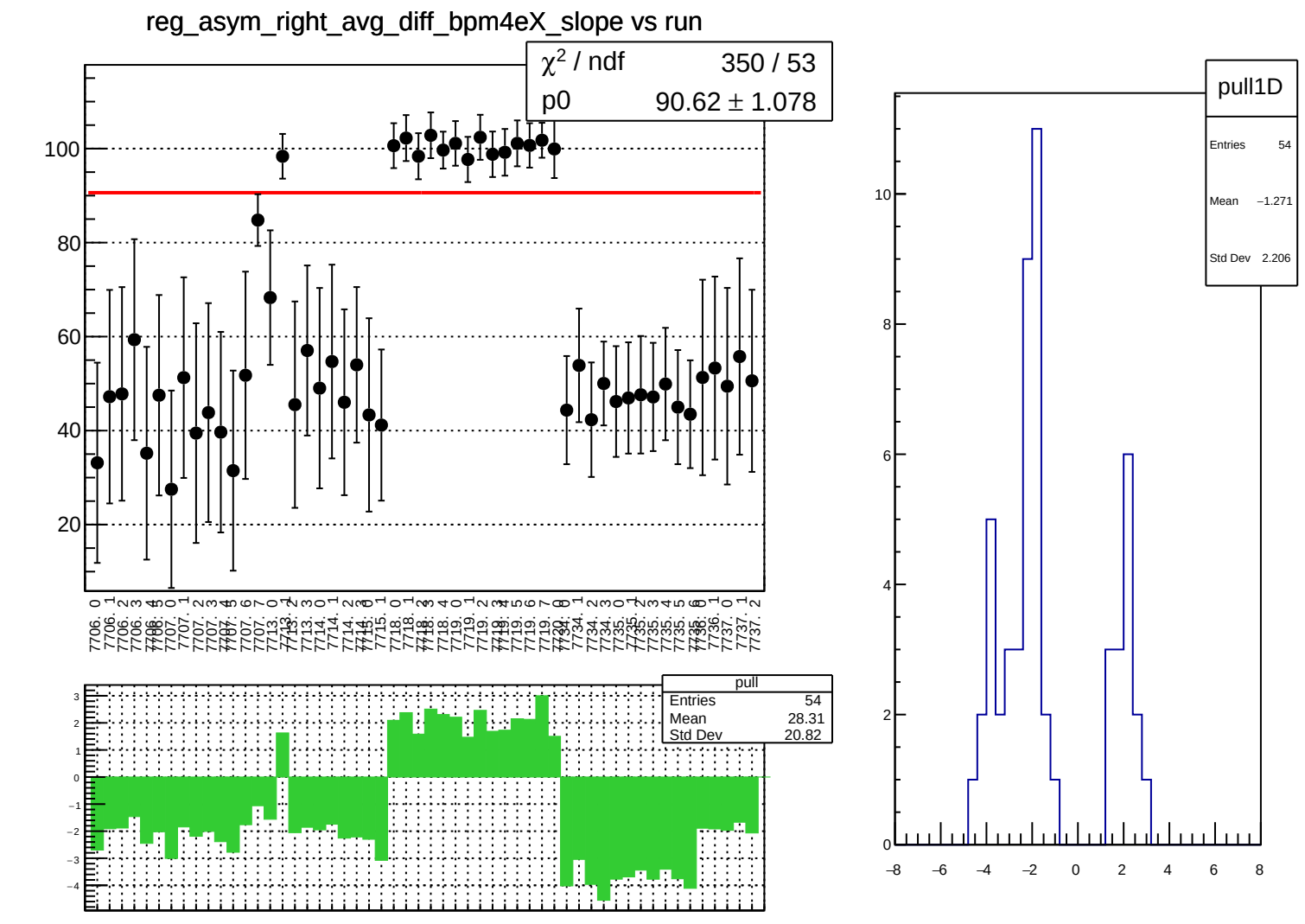

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 139.9 / 53
p0 −17.47 ± 0.05895
pull
Entries 54
Mean 49.76
Std Dev 0

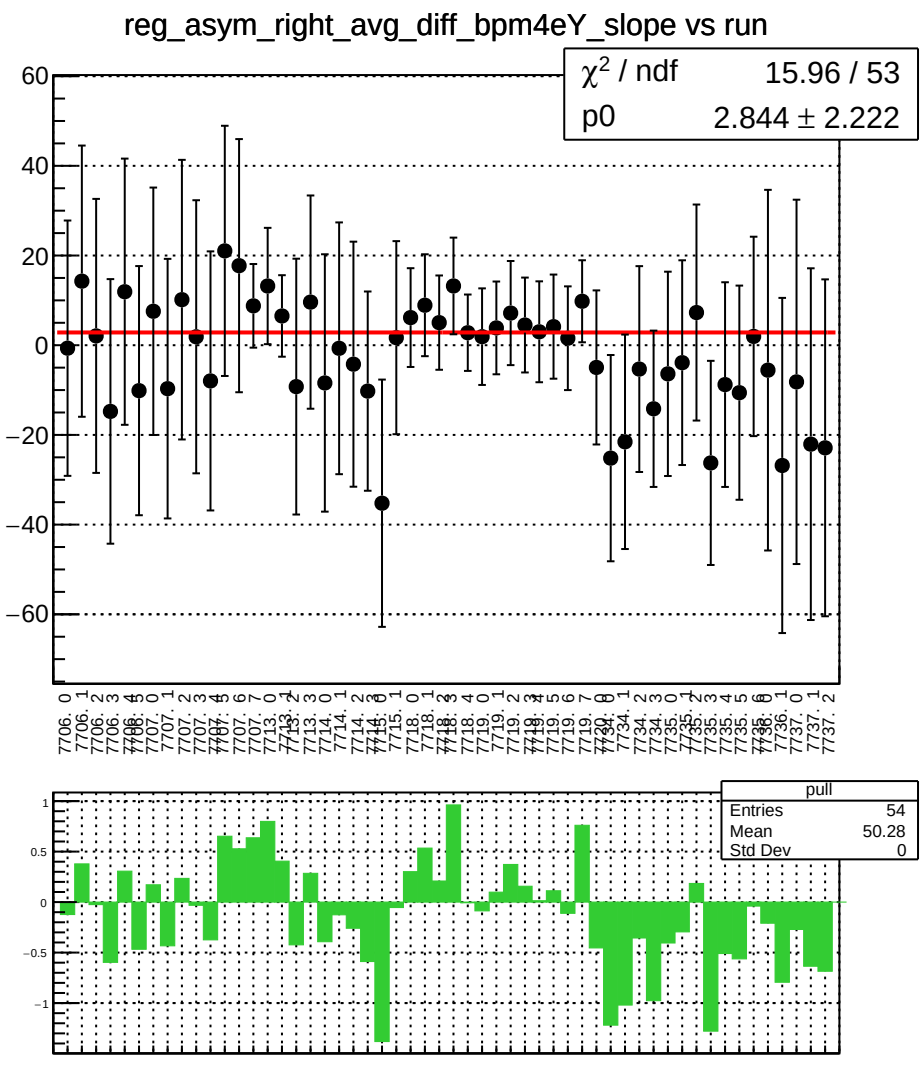

pull1D
Entries 54
Mean −0.1992
Std Dev 1.597

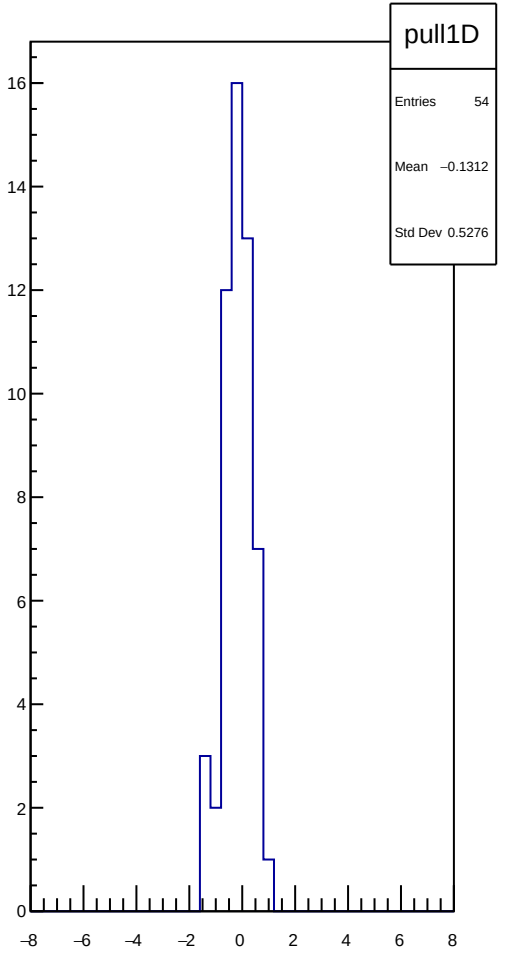

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 411.4 / 53
p0 −55.91 ± 1.291
pull
Entries 54
Mean 32.5
Std Dev 21.74
pull1D
Entries 54
Mean 1.108
Std Dev 2.528

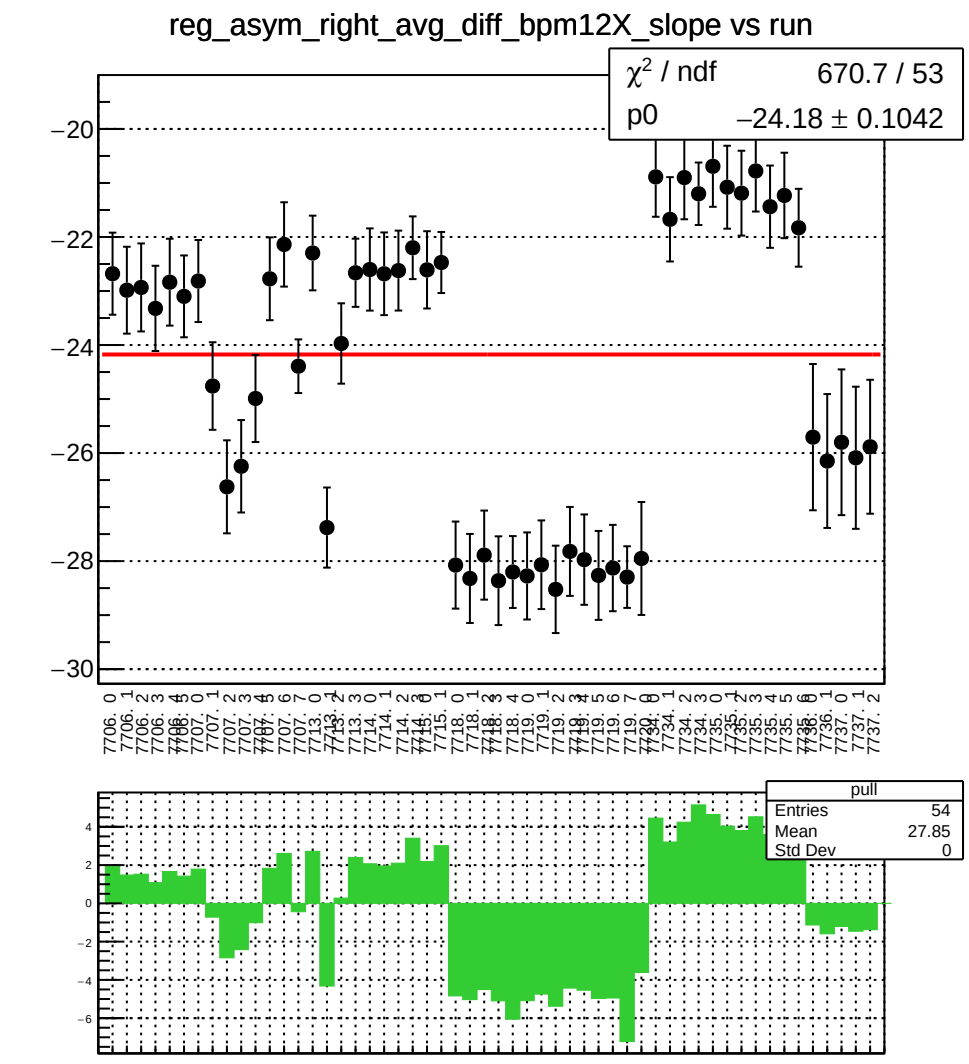

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.88 / 53
p0 6.568 ± 1.445
pull
Entries 54
Mean 43.41
Std Dev 11.24

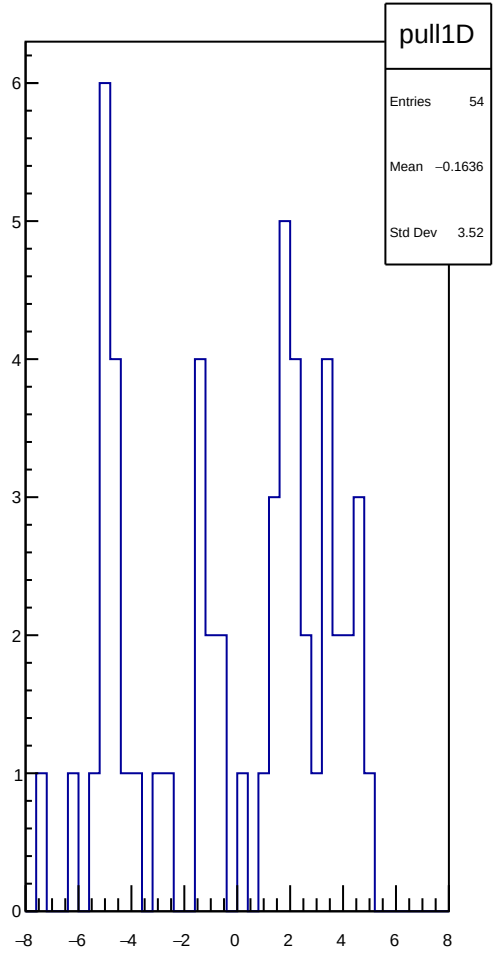

pull1D
Entries 54
Mean 0.09264
Std Dev 0.4599

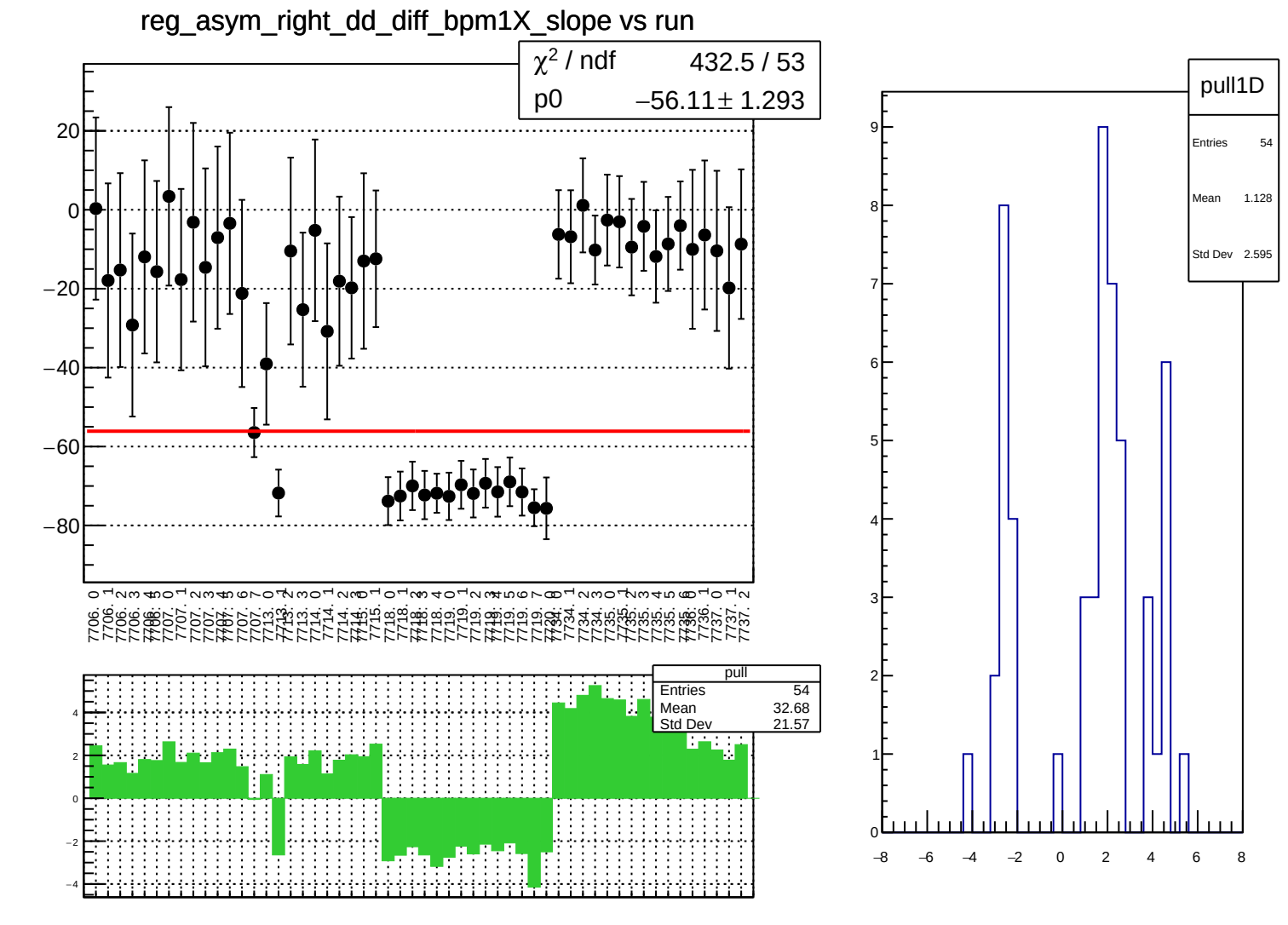

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 350 / 53
p0 90.62 ± 1.078
pull
Entries 54
Mean 28.31
Std Dev 20.82
pull1D
Entries 54
Mean −1.271
Std Dev 2.206

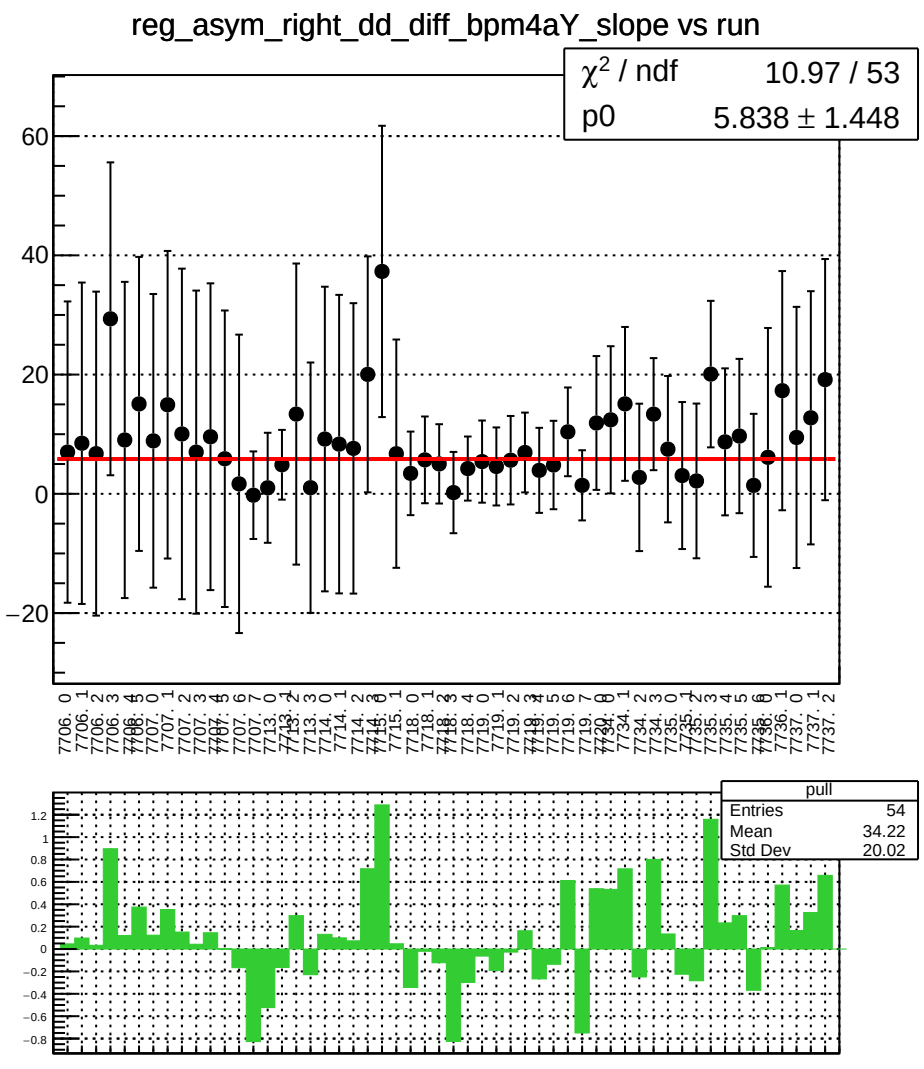

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.96 / 53
p0 2.844 ± 2.222
pull
Entries 54
Mean 50.28
Std Dev 0

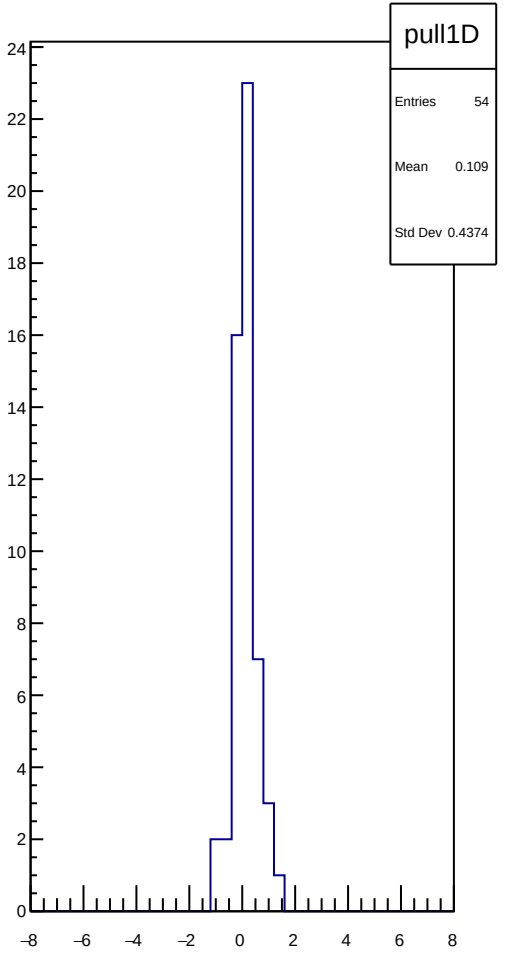

pull1D
Entries 54
Mean −0.1312
Std Dev 0.5276

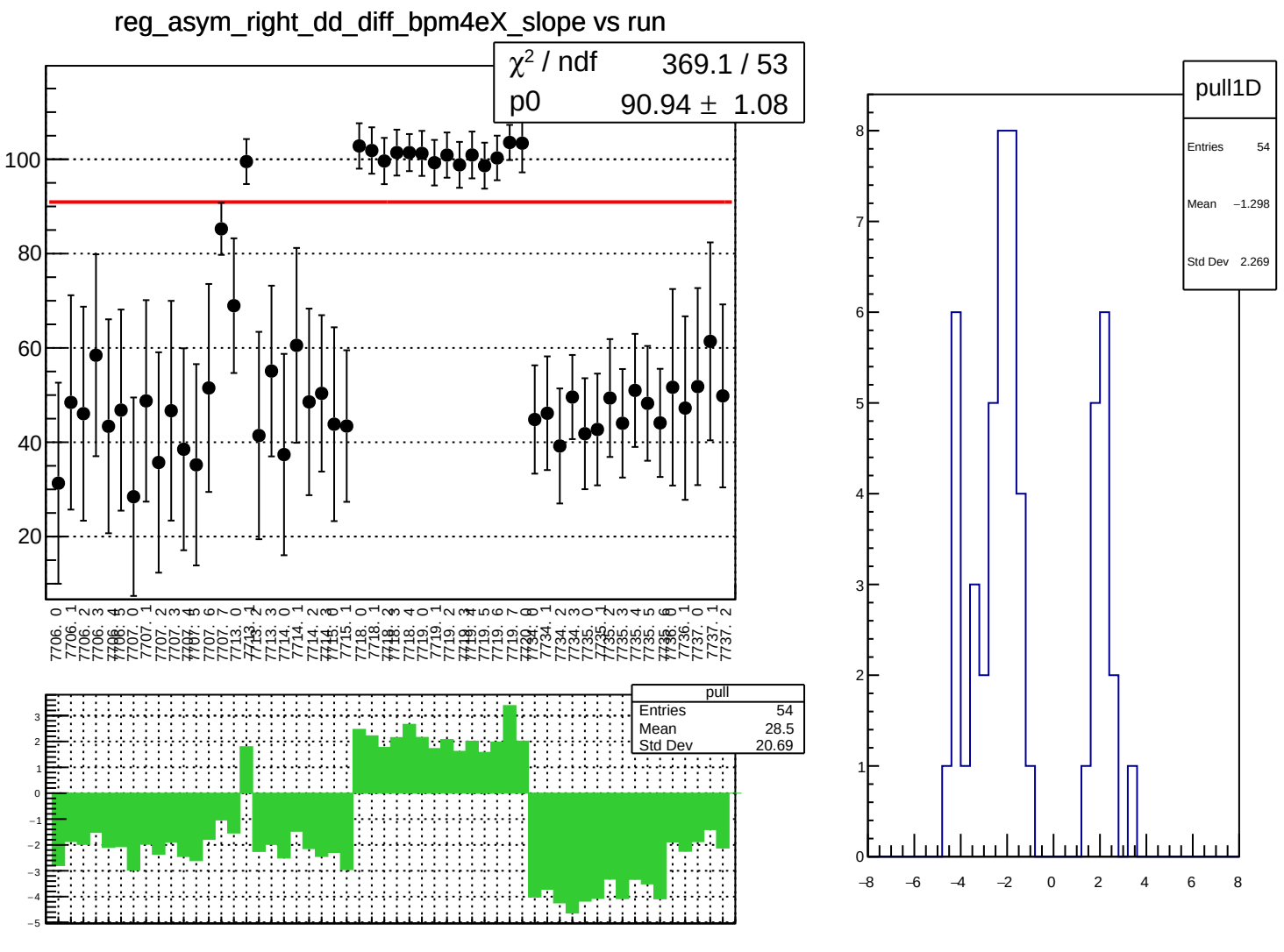

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 670.7 / 53
p0 −24.18 ± 0.1042
pull
Entries 54
Mean 27.85
Std Dev 0

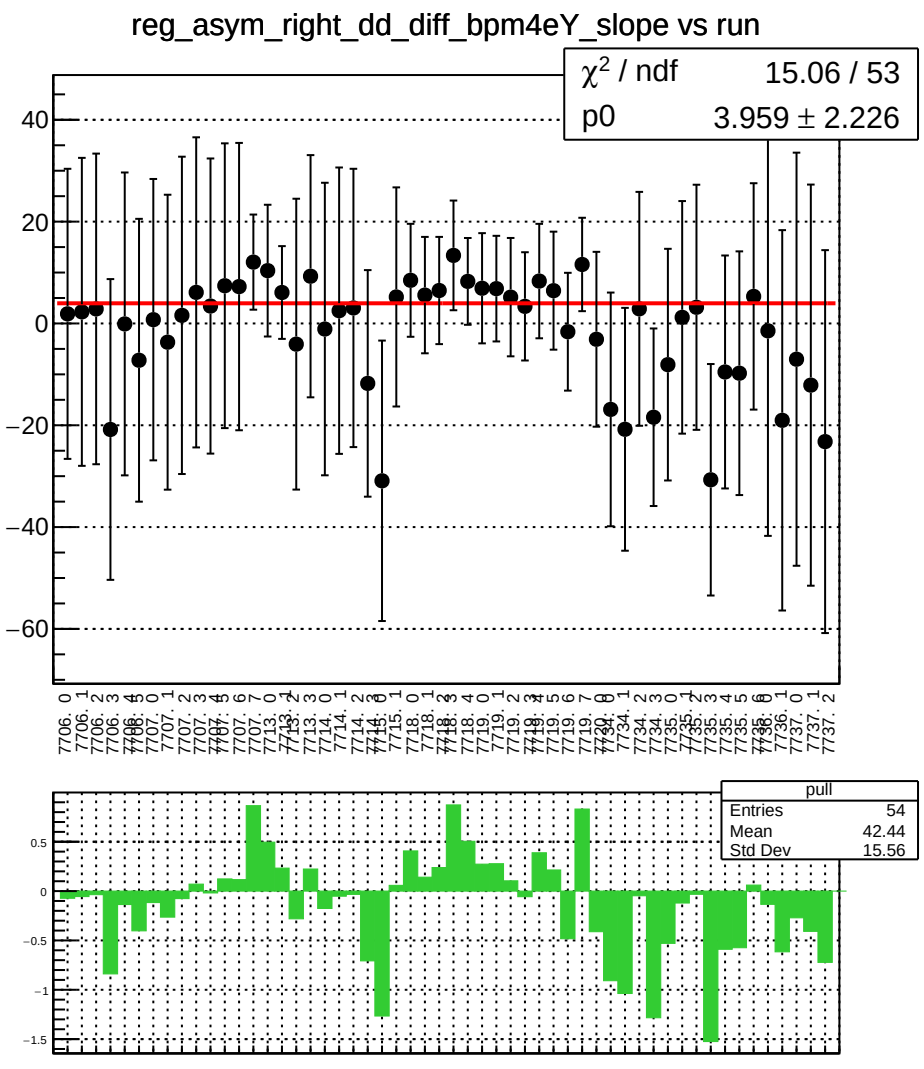

pull1D
Entries 54
Mean −0.1636
Std Dev 3.52

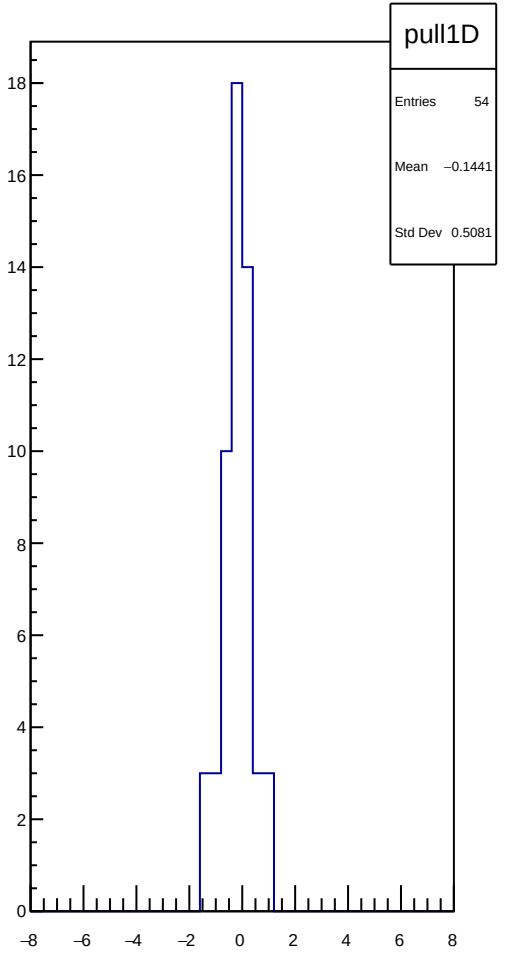

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 432.5 / 53
p0 −56.11± 1.293
pull
Entries 54
Mean 32.68
Std Dev 21.57
pull1D
Entries 54
Mean 1.128
Std Dev 2.595

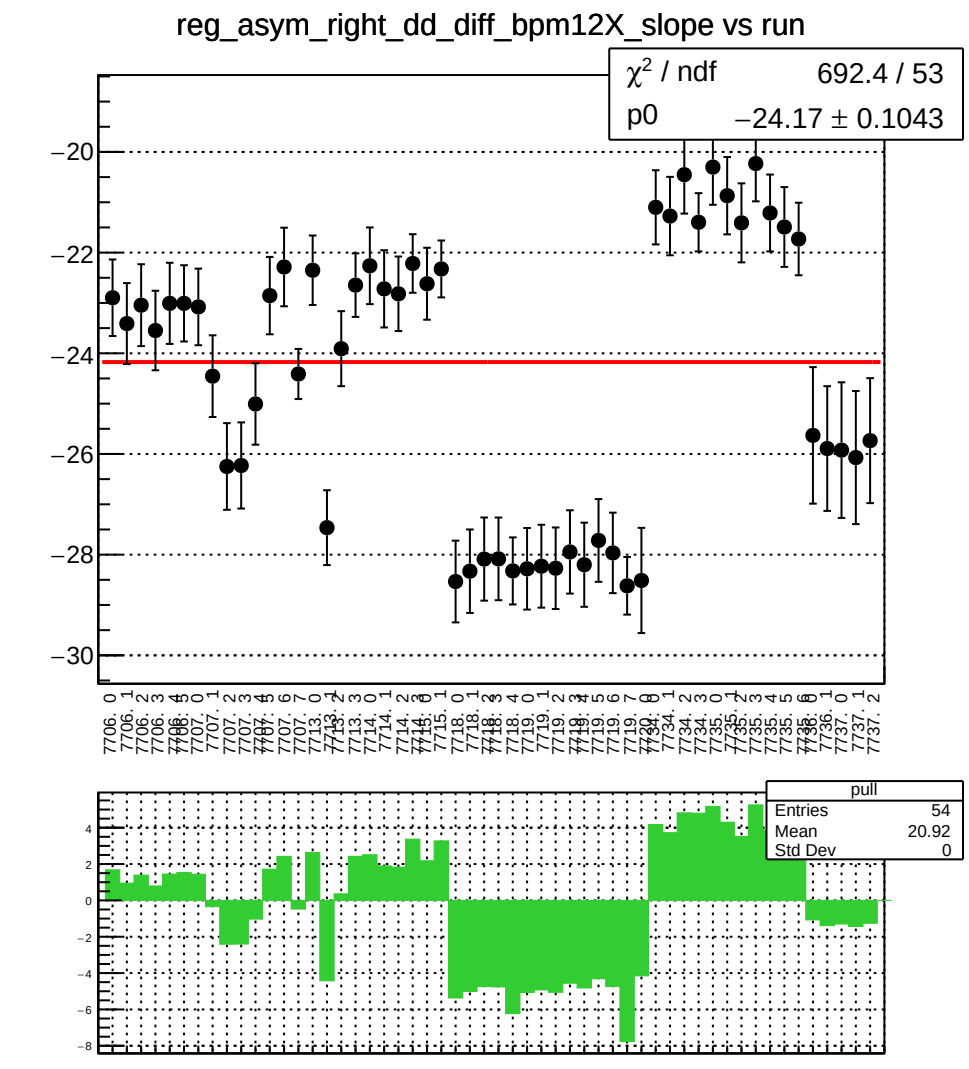

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.97 / 53
p0 5.838 ± 1.448
pull
Entries 54
Mean 34.22
Std Dev 20.02

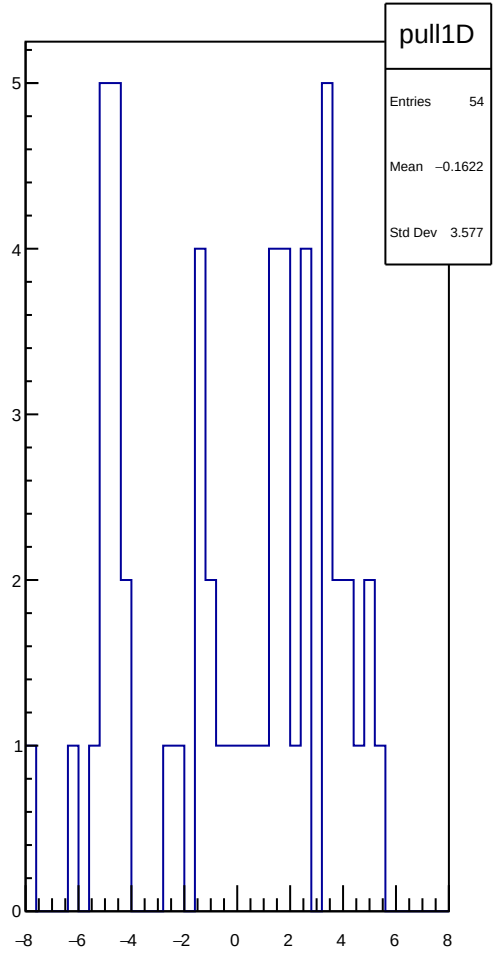

pull1D
Entries 54
Mean 0.109
Std Dev 0.4374

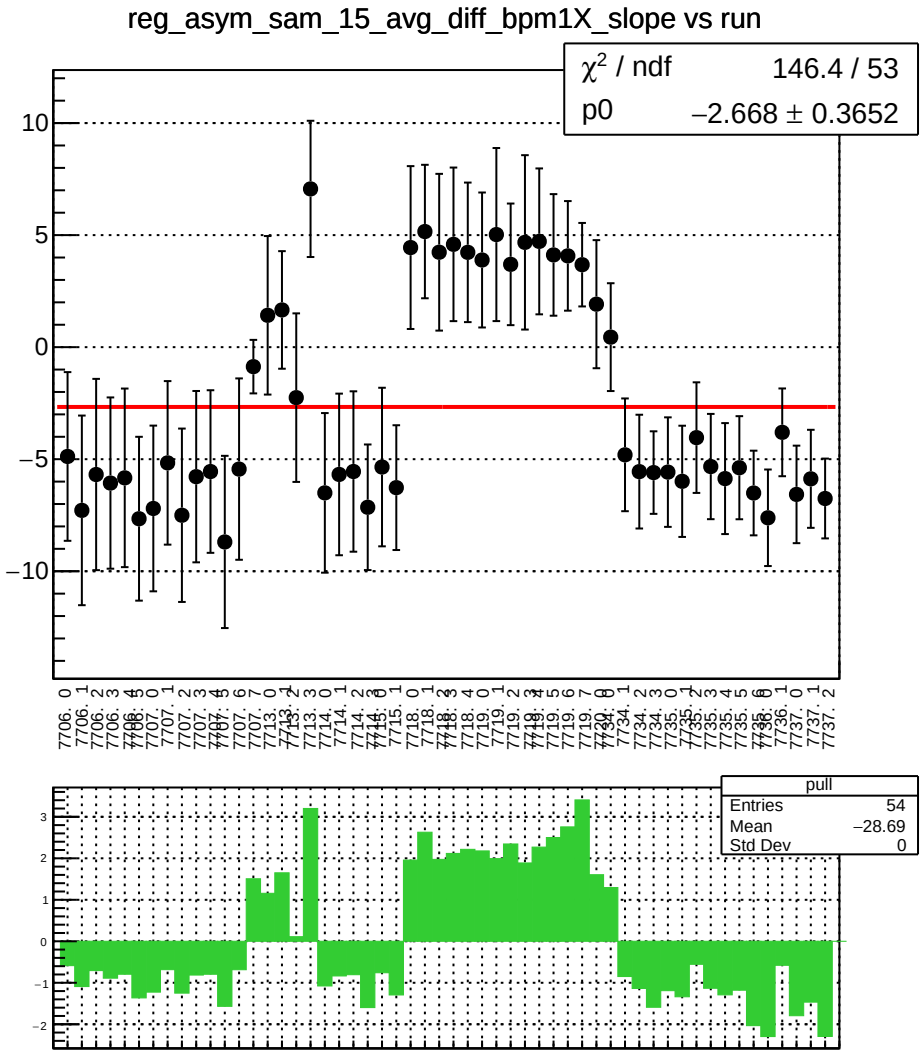

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 369.1 / 53
p0 90.94 ± 1.08
pull
Entries 54
Mean 28.5
Std Dev 20.69
pull1D
Entries 54
Mean −1.298
Std Dev 2.269

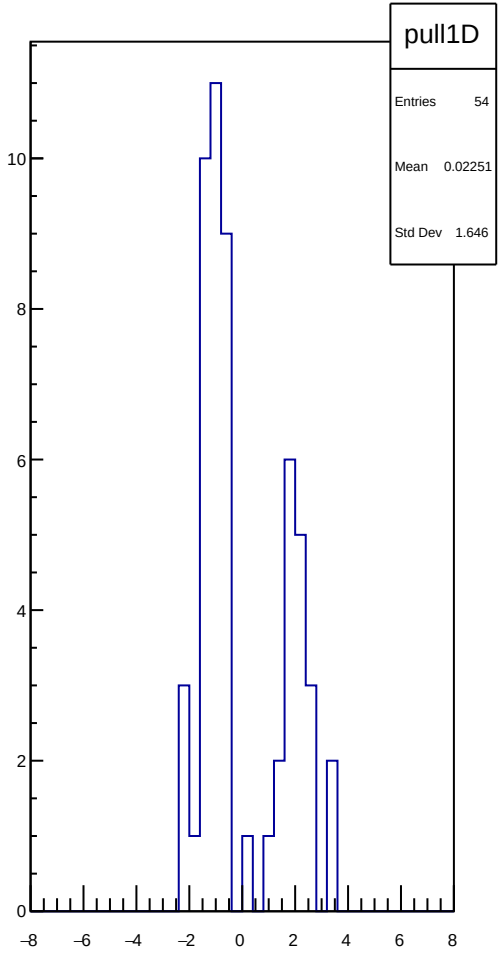

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.06 / 53
p0 3.959 ± 2.226
pull
Entries 54
Mean 42.44
Std Dev 15.56

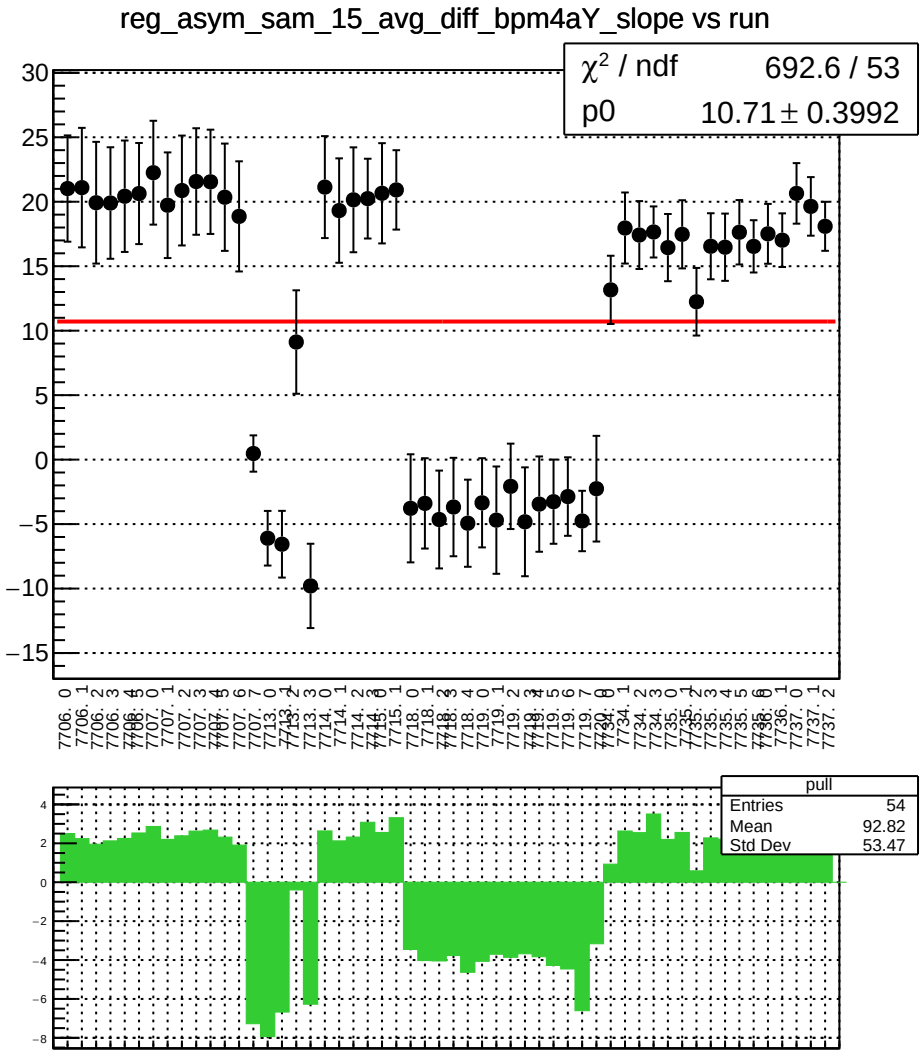

pull1D
Entries 54
Mean −0.1441
Std Dev 0.5081

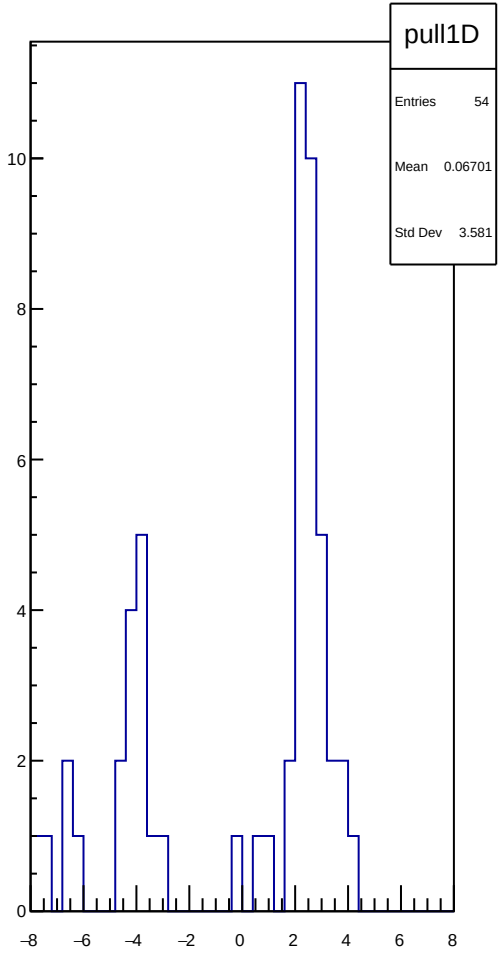

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 692.4 / 53
p0 −24.17 ± 0.1043
pull
Entries 54
Mean 20.92
Std Dev 0

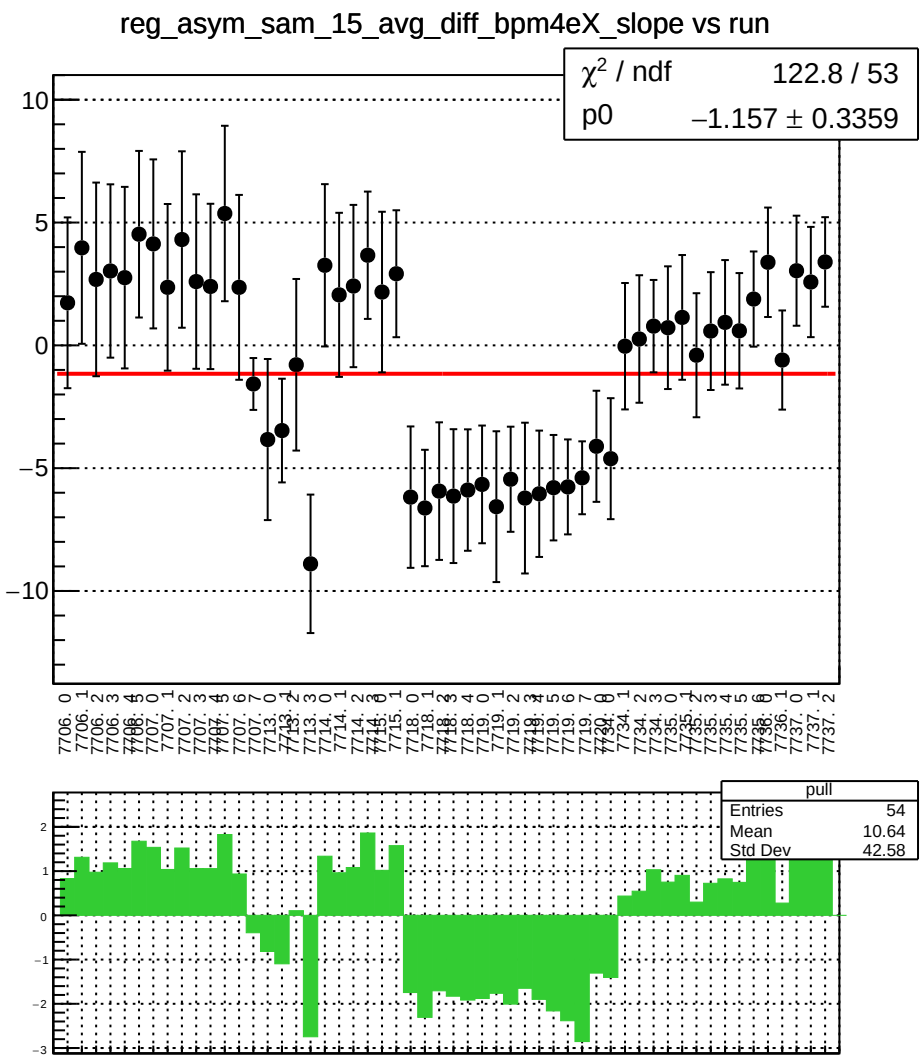

pull1D
Entries 54
Mean −0.1622
Std Dev 3.577

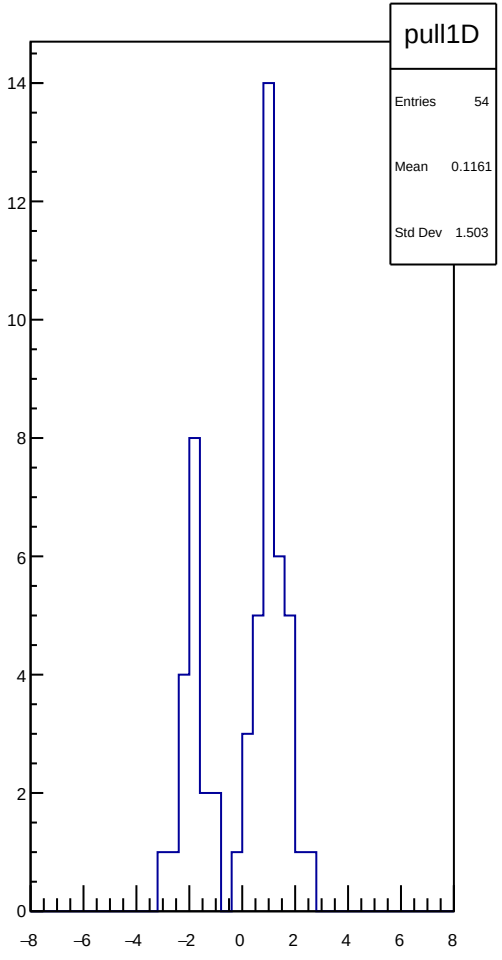

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 146.4 / 53
p0 −2.668 ± 0.3652
pull
Entries 54
Mean −28.69
Std Dev 0

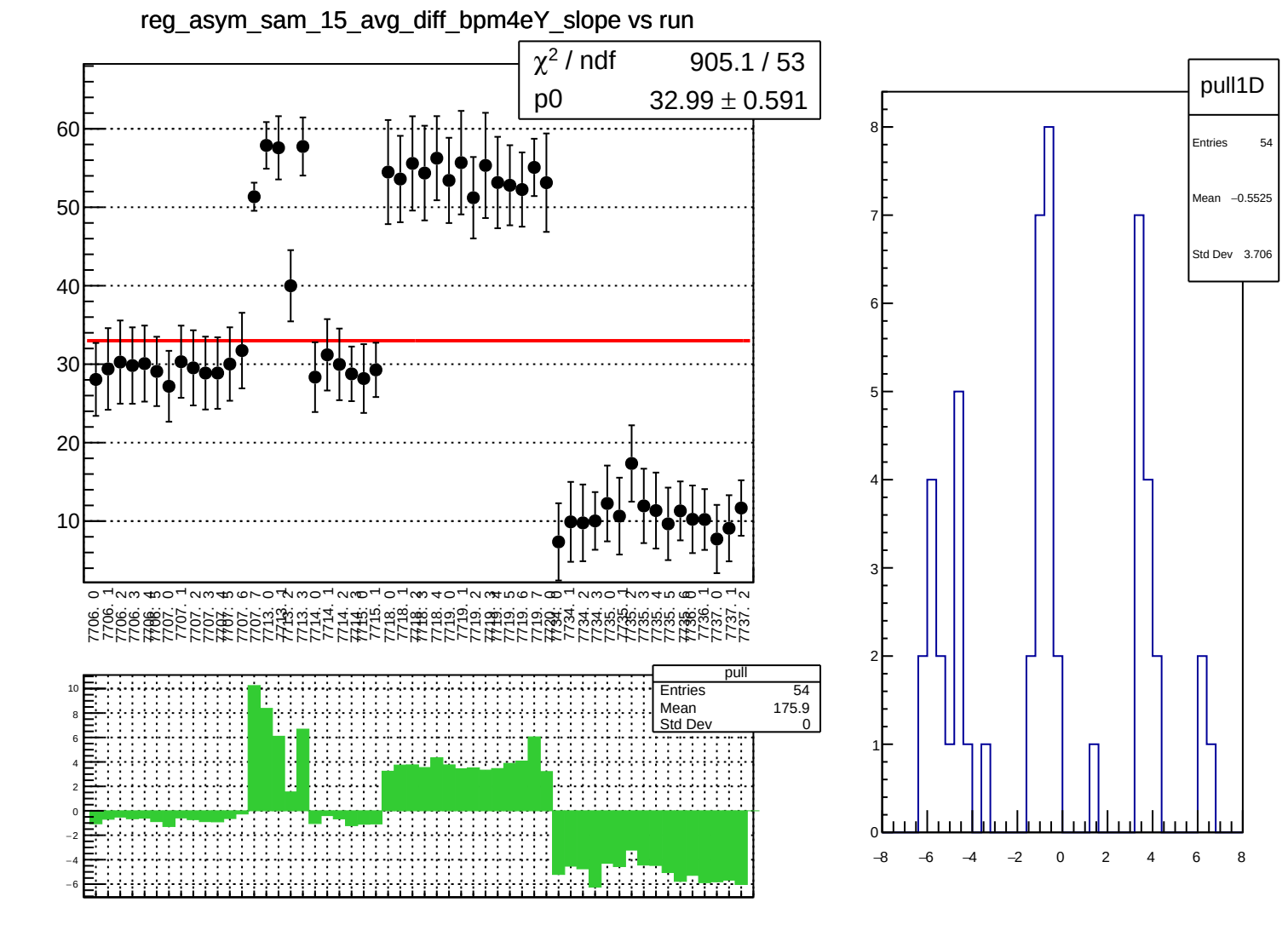

pull1D
Entries 54
Mean 0.02251
Std Dev 1.646

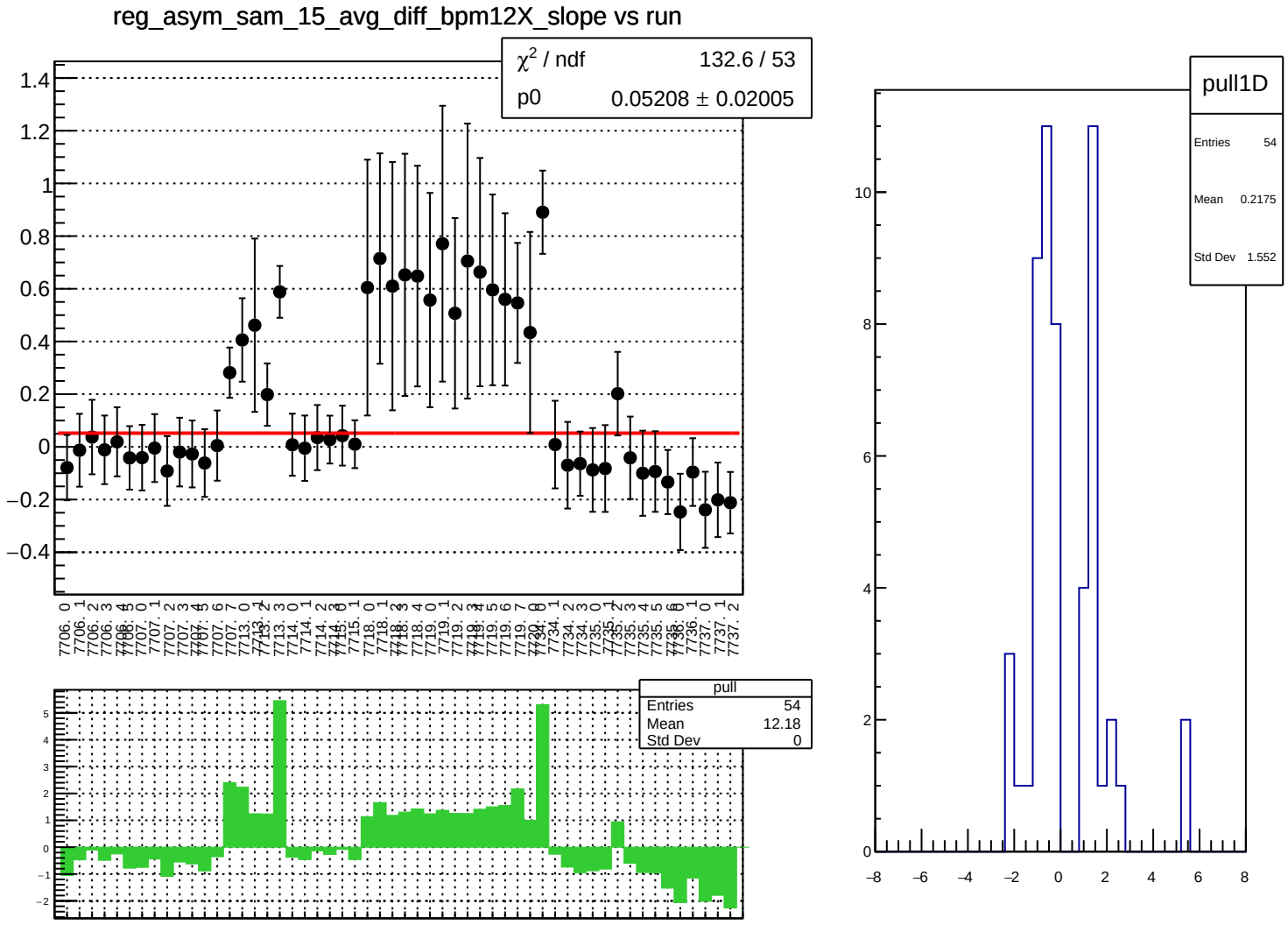

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 692.6 / 53
p0 10.71 ± 0.3992
pull
Entries 54
Mean 92.82
Std Dev 53.47

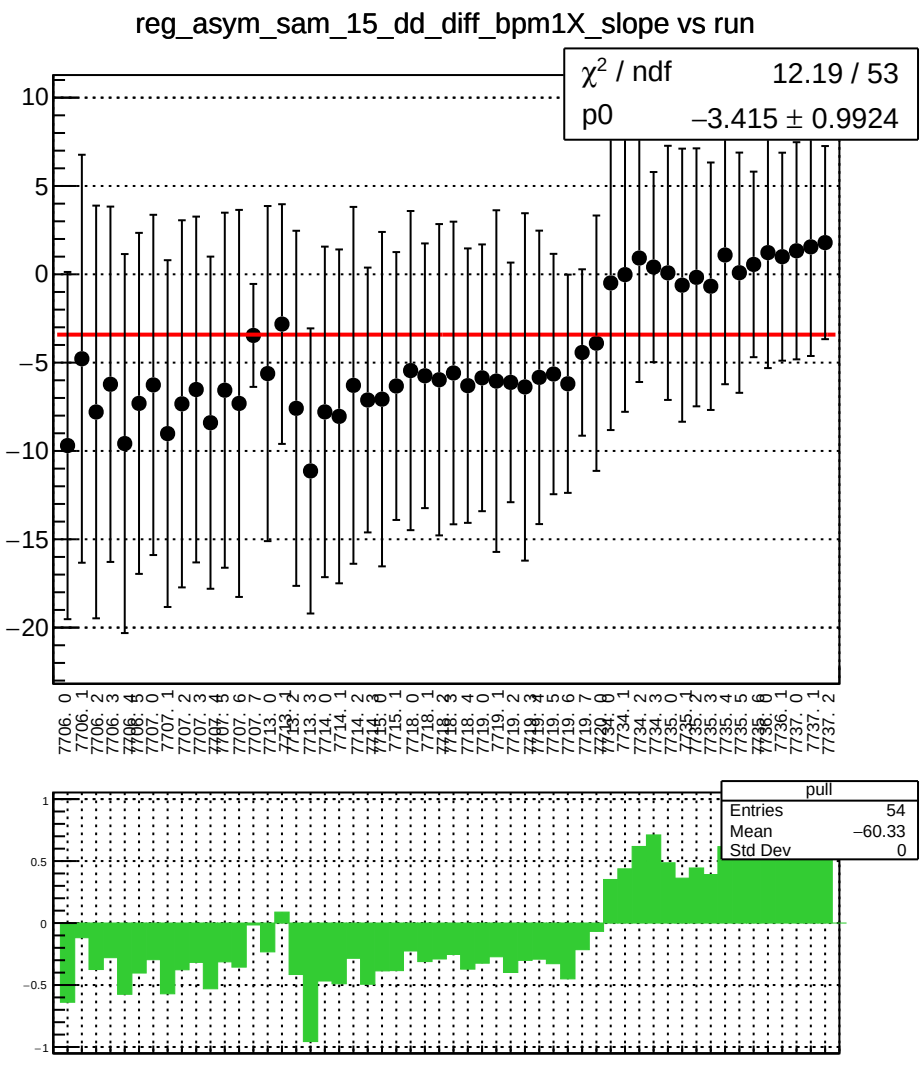

pull1D
Entries 54
Mean 0.06701
Std Dev 3.581

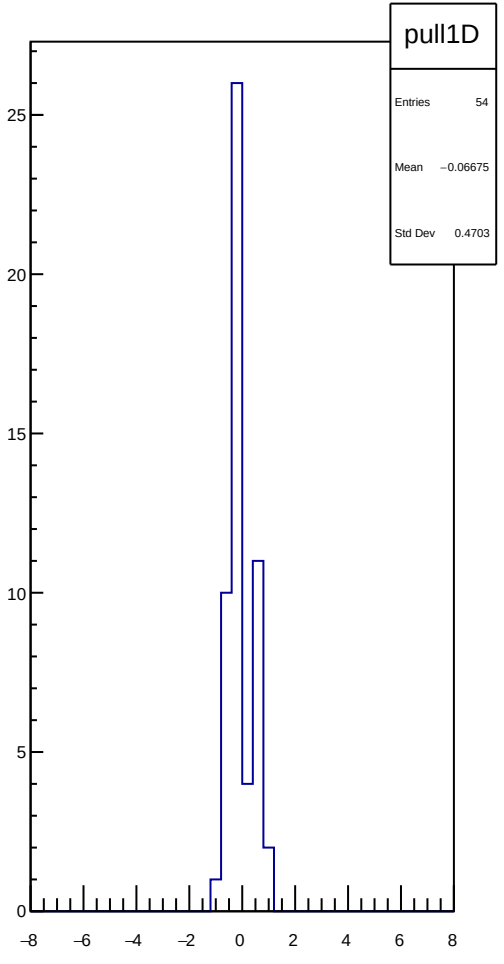

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 122.8 / 53
p0 −1.157 ± 0.3359
pull
Entries 54
Mean 10.64
Std Dev 42.58

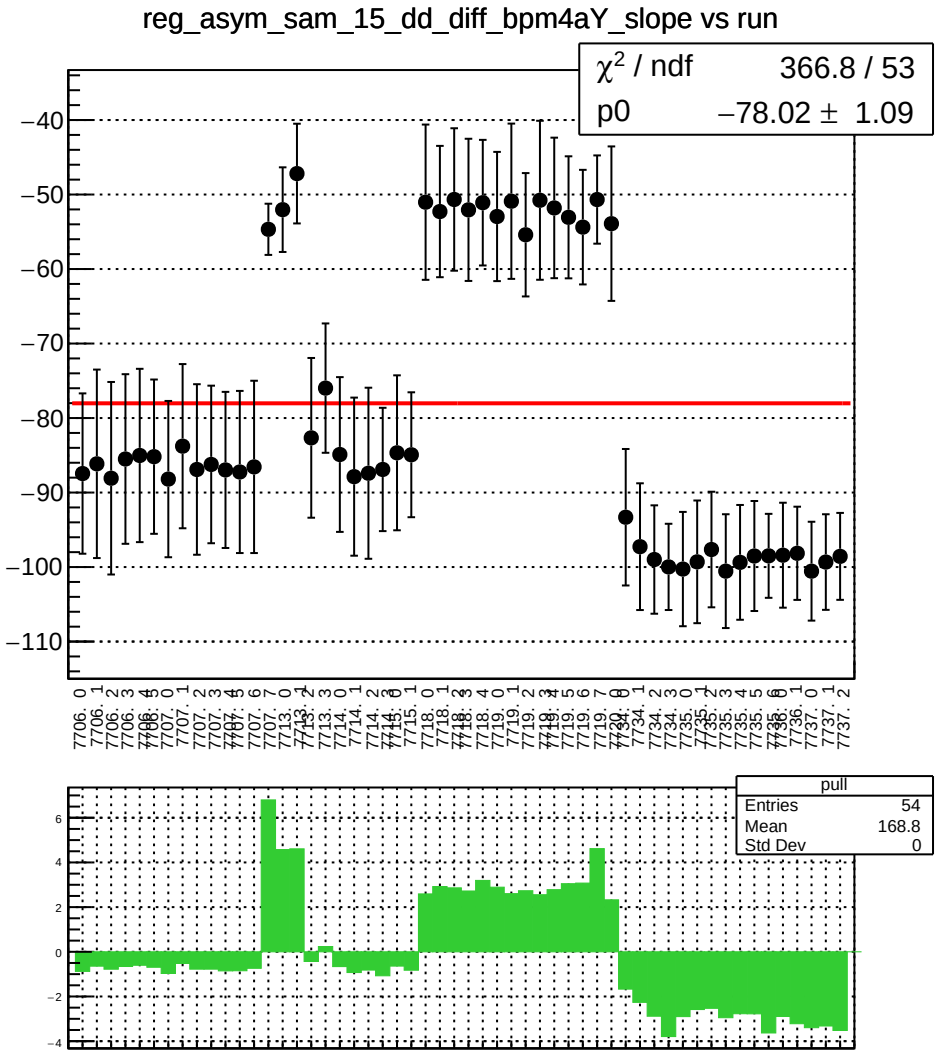

pull1D
Entries 54
Mean 0.1161
Std Dev 1.503

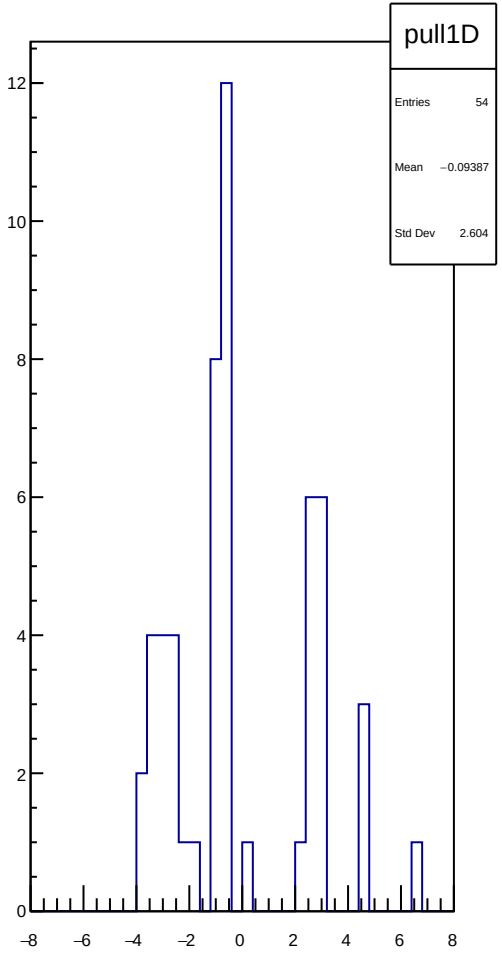

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 905.1 / 53
p0 32.99 ± 0.591
pull
Entries 54
Mean 175.9
Std Dev 0
pull1D
Entries 54
Mean −0.5525
Std Dev 3.706

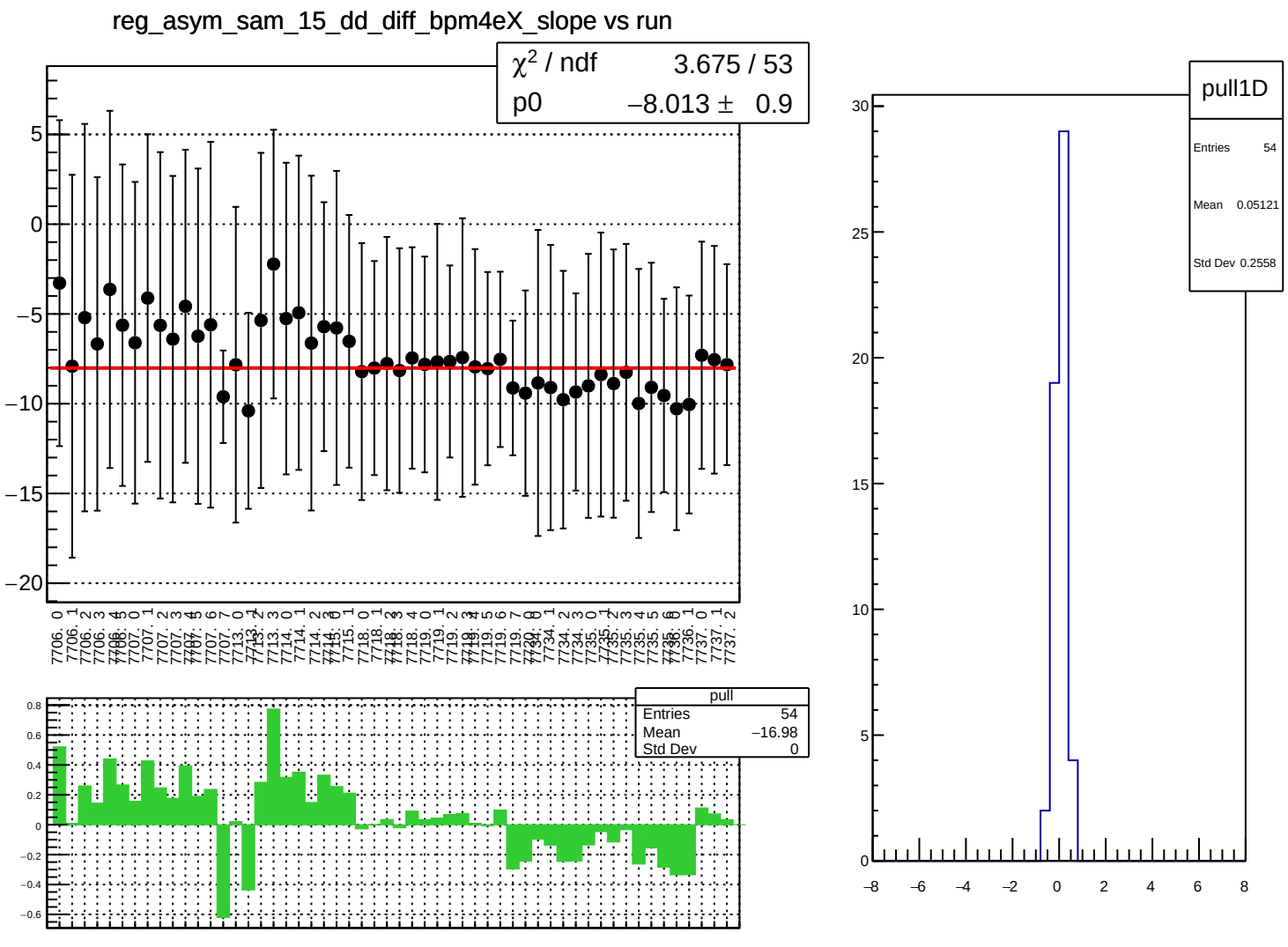

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 132.6 / 53
p0 0.05208 ± 0.02005
pull
Entries 54
Mean 12.18
Std Dev 0
pull1D
Entries 54
Mean 0.2175
Std Dev 1.552

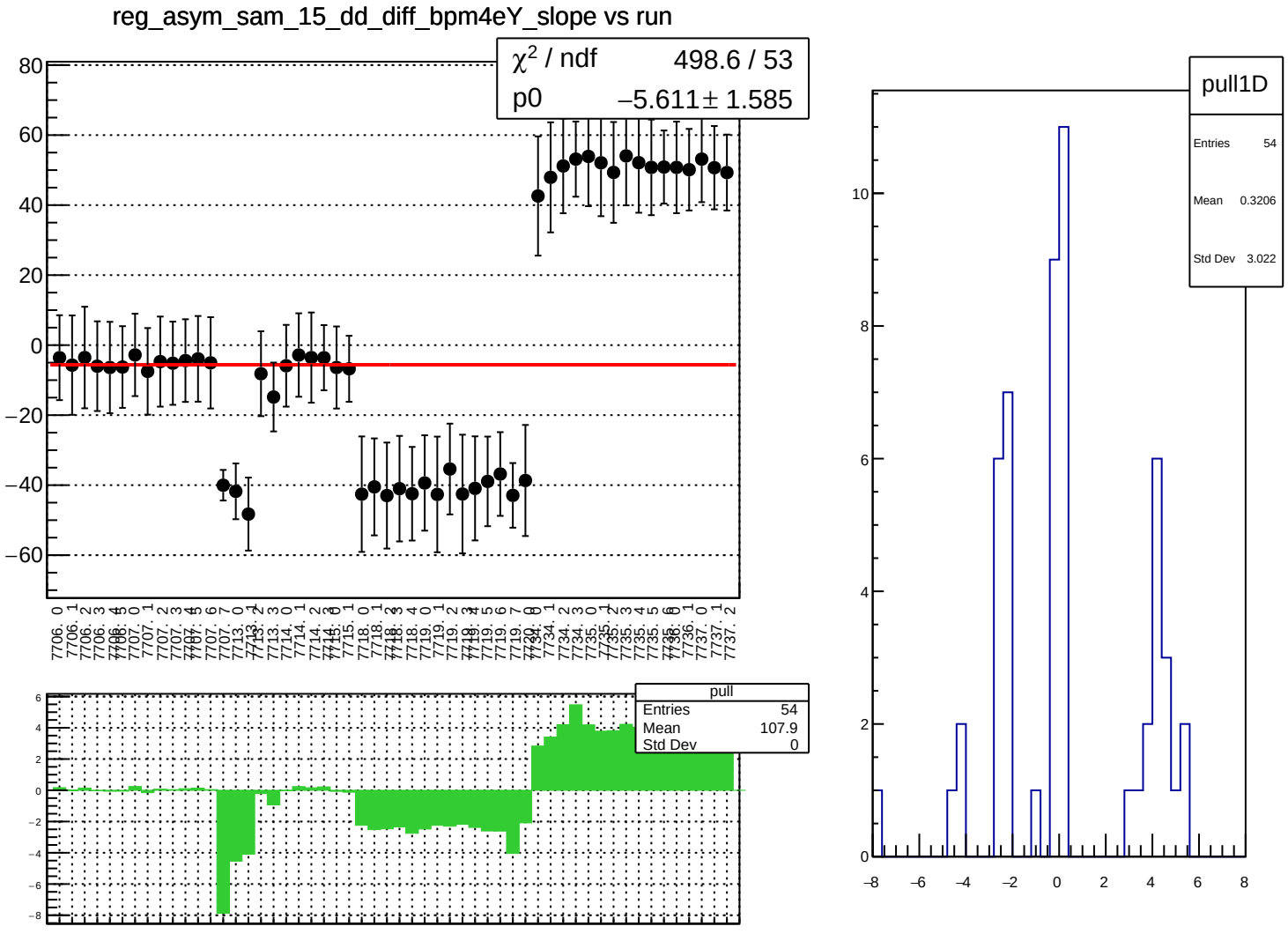

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 12.19 / 53
p0 −3.415 ± 0.9924
pull
Entries 54
Mean −60.33
Std Dev 0

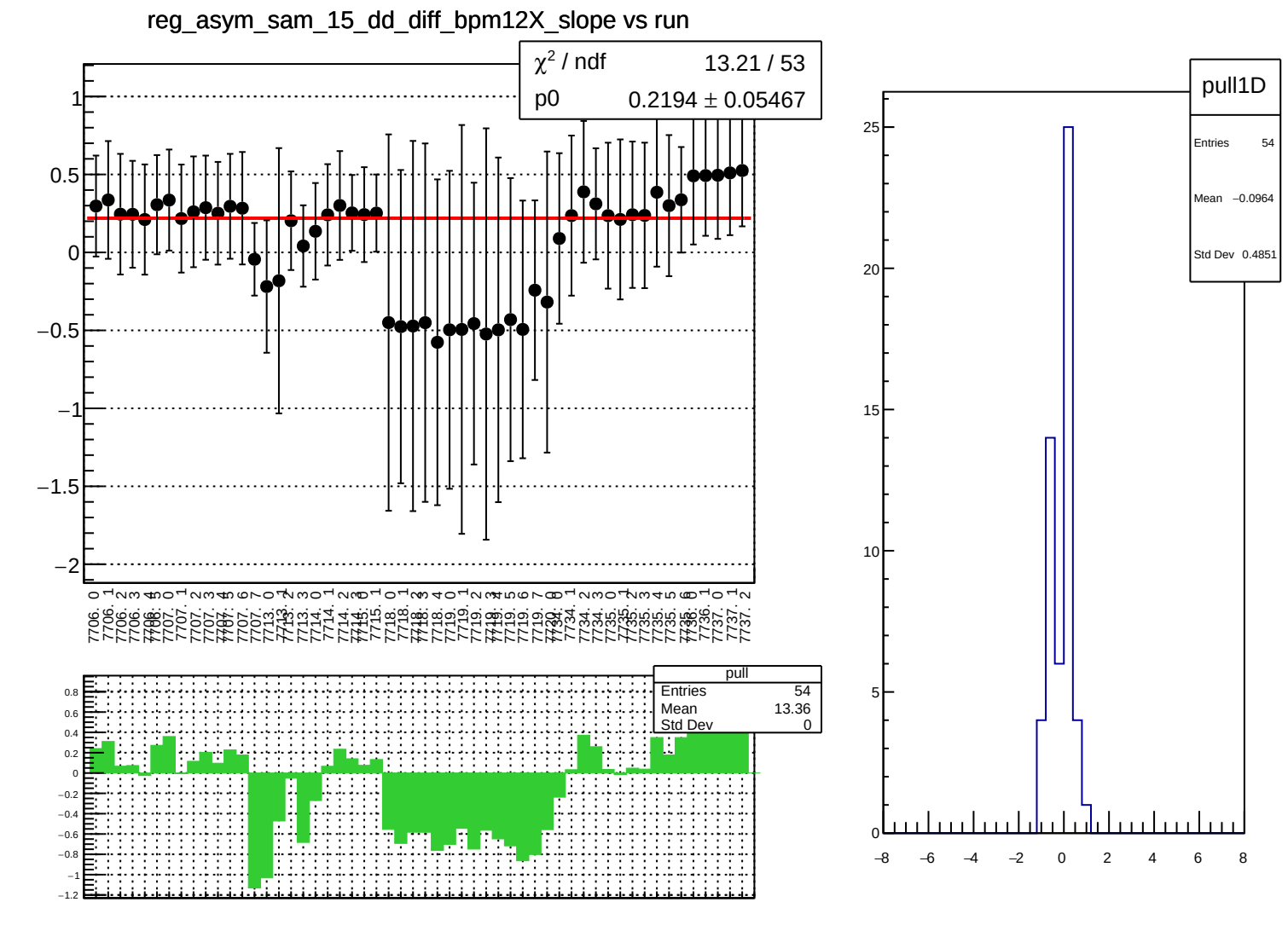

pull1D
Entries 54
Mean −0.06675
Std Dev 0.4703

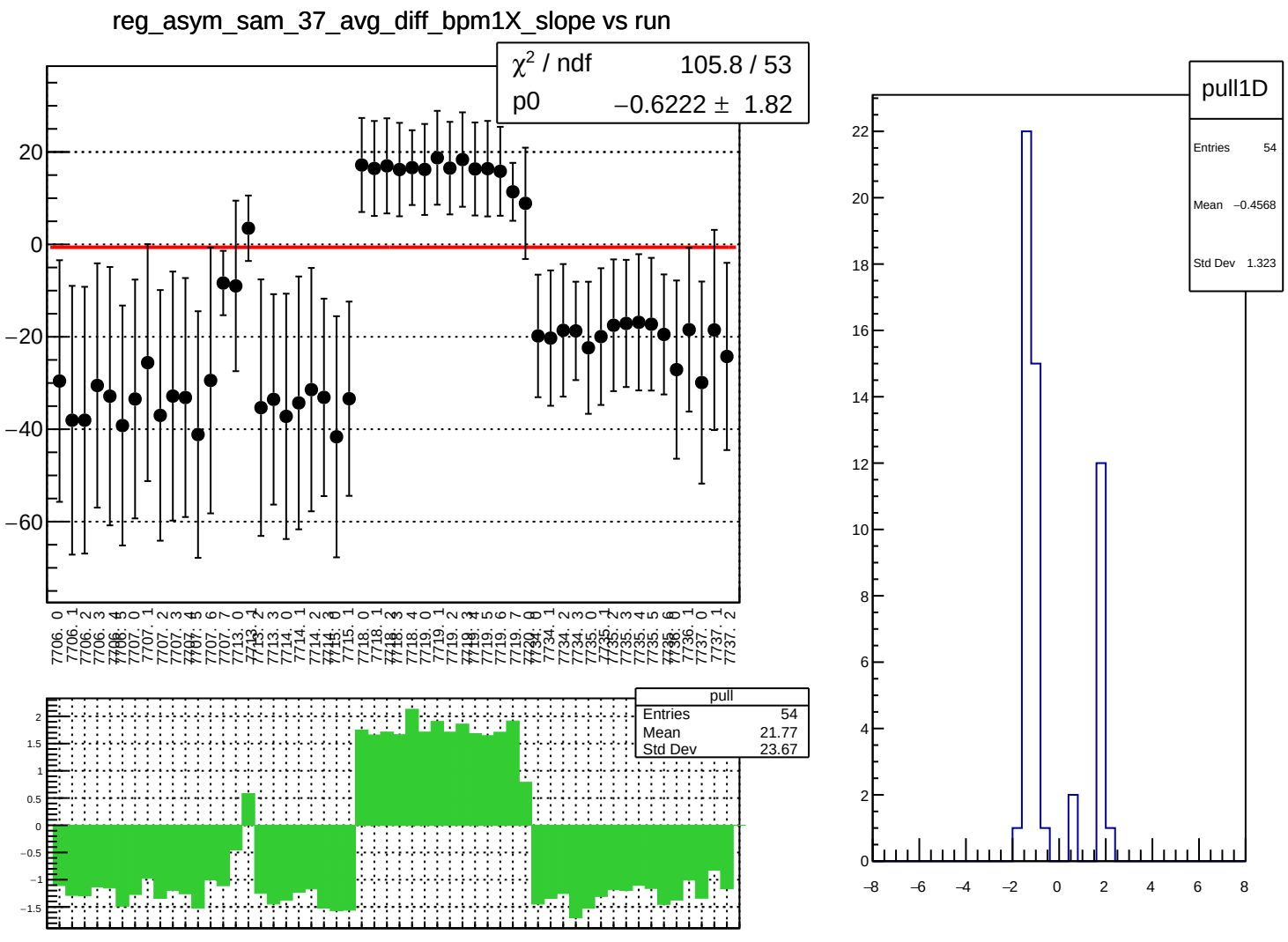

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 366.8 / 53
p0 −78.02 ± 1.09
pull
Entries 54
Mean 168.8
Std Dev 0

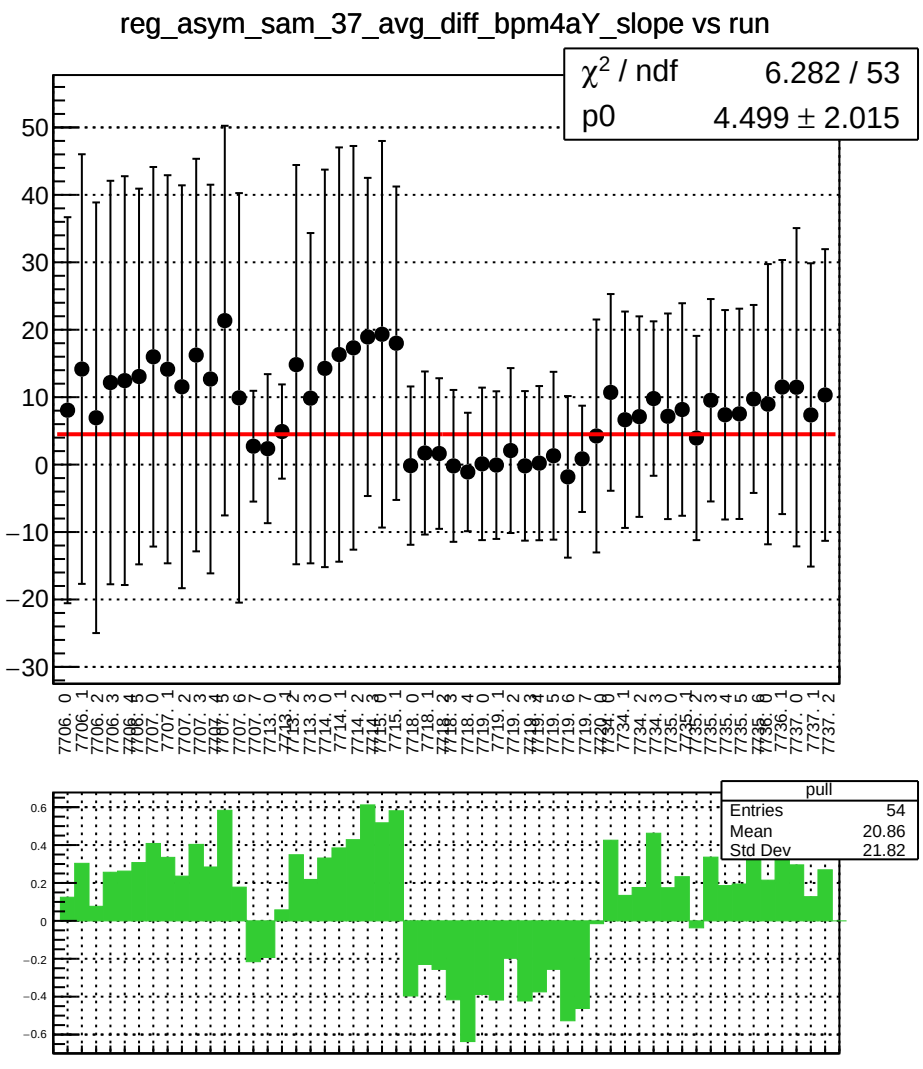

pull1D
Entries 54
Mean −0.09387
Std Dev 2.604

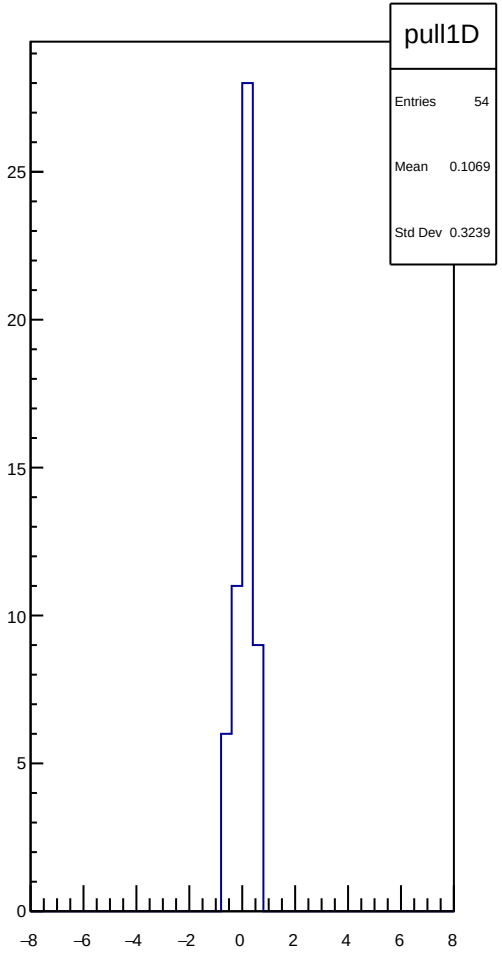

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.675 / 53
p0 −8.013 ± 0.9
pull
Entries 54
Mean −16.98
Std Dev 0
pull1D
Entries 54
Mean 0.05121
Std Dev 0.2558

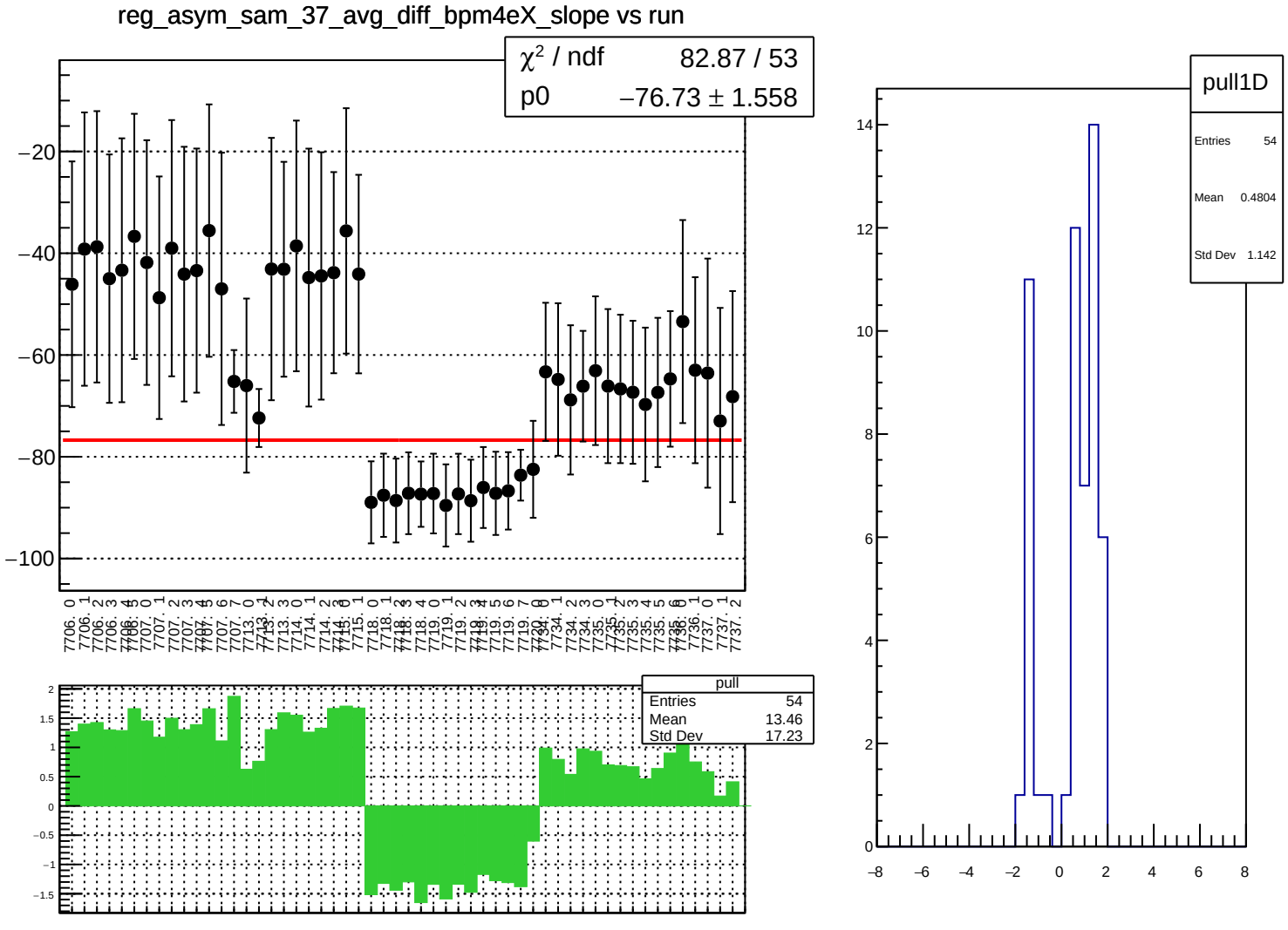

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 498.6 / 53
p0 −5.611± 1.585
pull
Entries 54
Mean 107.9
Std Dev 0
pull1D
Entries 54
Mean 0.3206
Std Dev 3.022

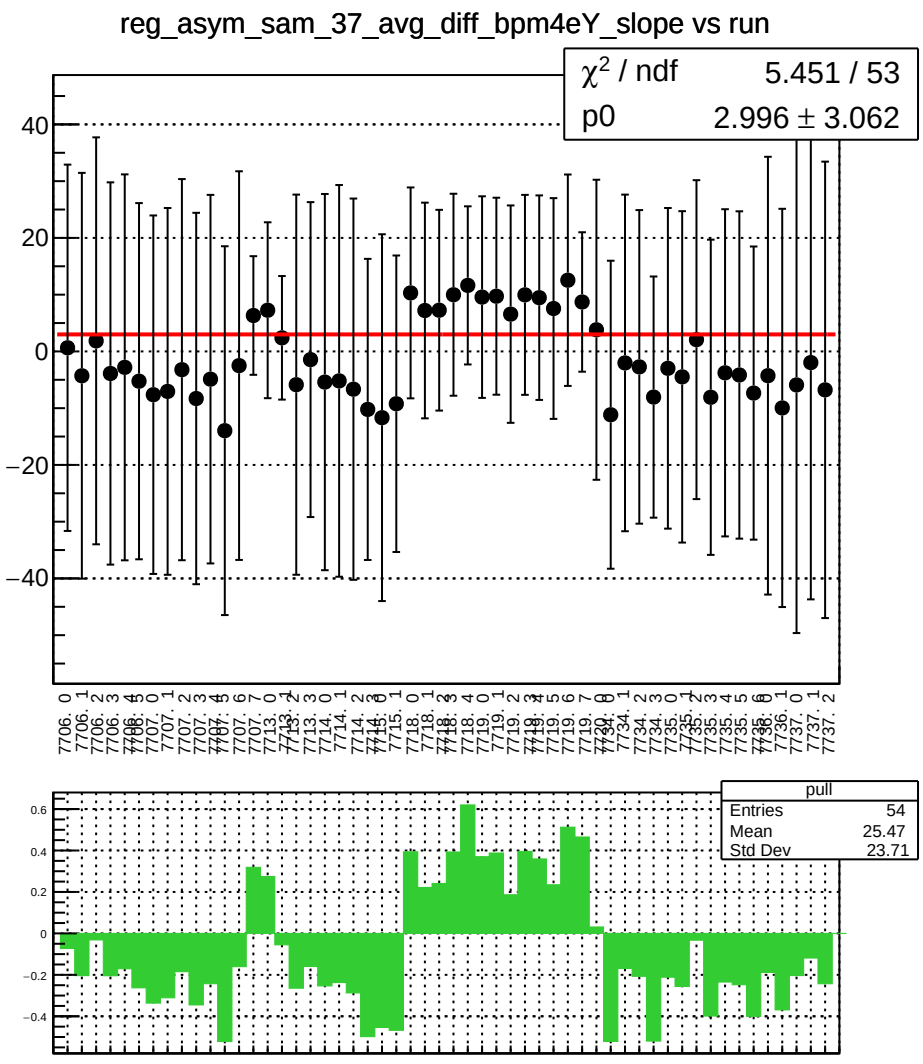

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 53
p0 0.2194 ± 0.05467
pull
Entries 54
Mean 13.36
Std Dev 0
pull1D
Entries 54
Mean −0.0964
Std Dev 0.4851

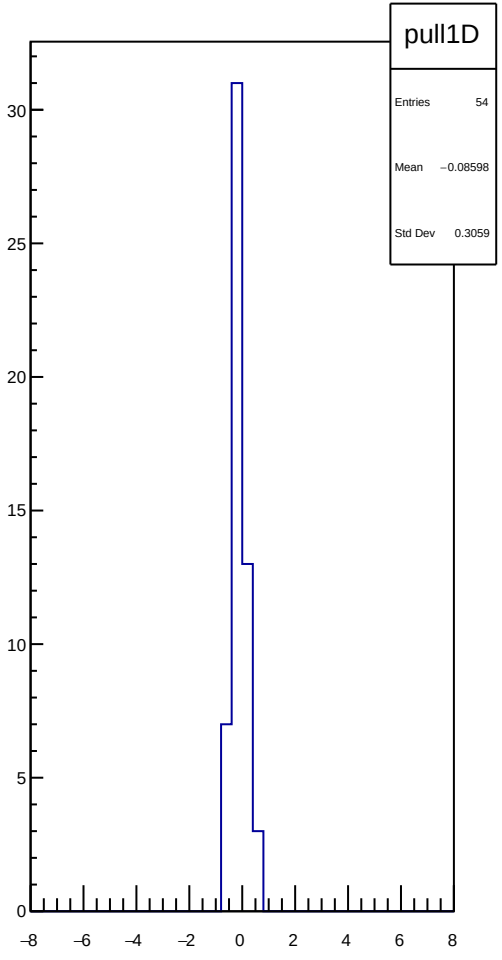

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 105.8 / 53
p0 −0.6222 ± 1.82
pull
Entries 54
Mean 21.77
Std Dev 23.67
pull1D
Entries 54
Mean −0.4568
Std Dev 1.323

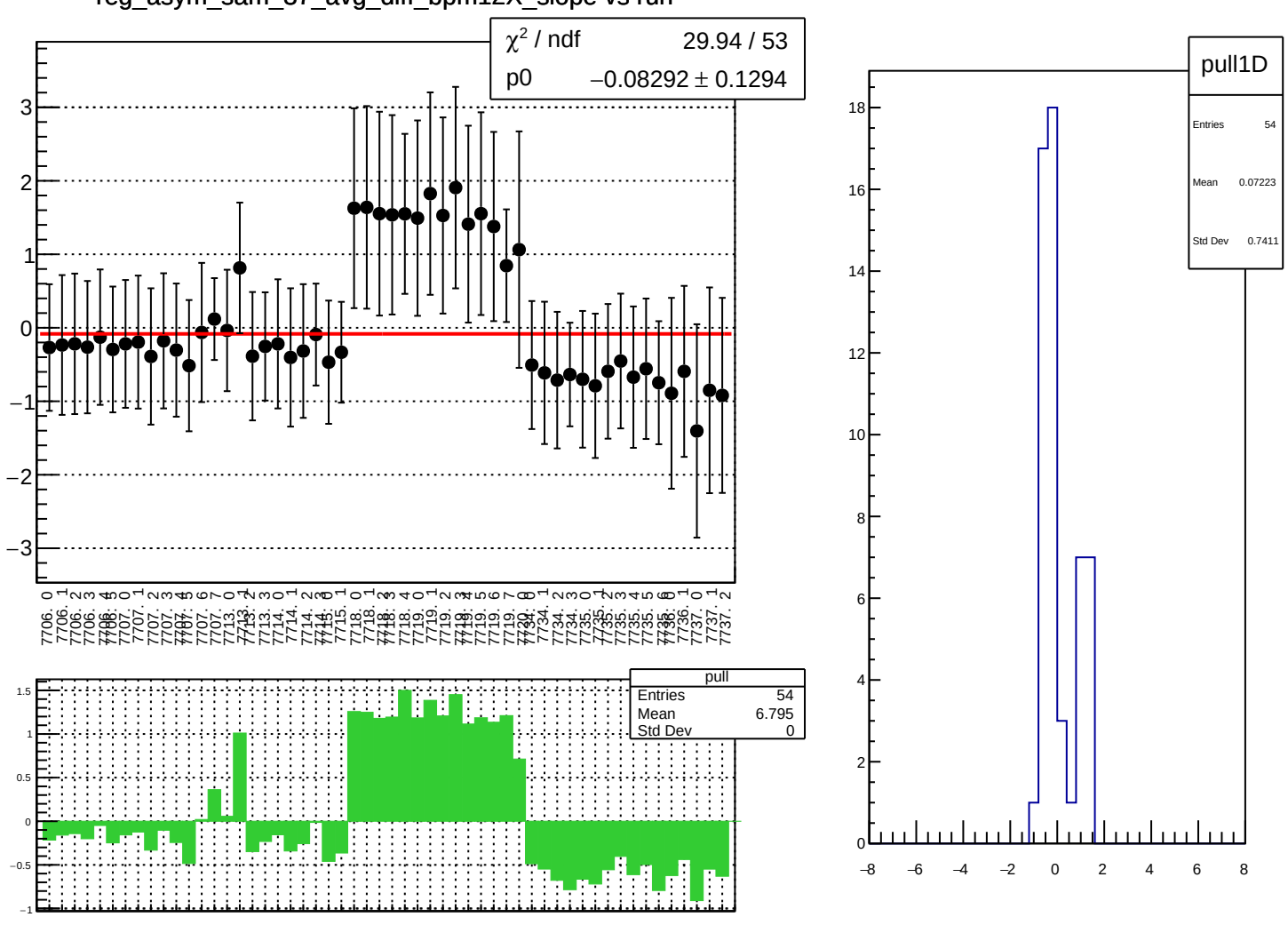

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.282 / 53
p0 4.499 ± 2.015
pull
Entries 54
Mean 20.86
Std Dev 21.82

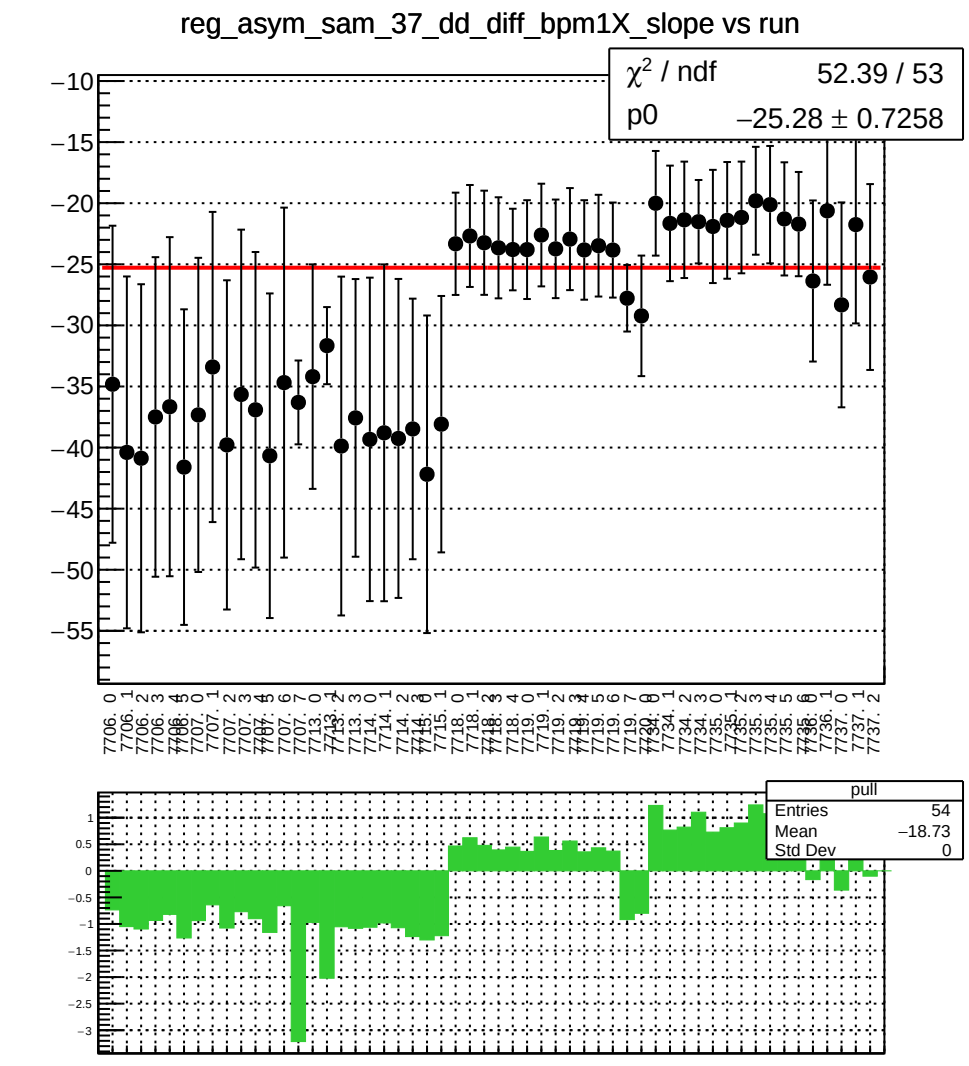

pull1D
Entries 54
Mean 0.1069
Std Dev 0.3239

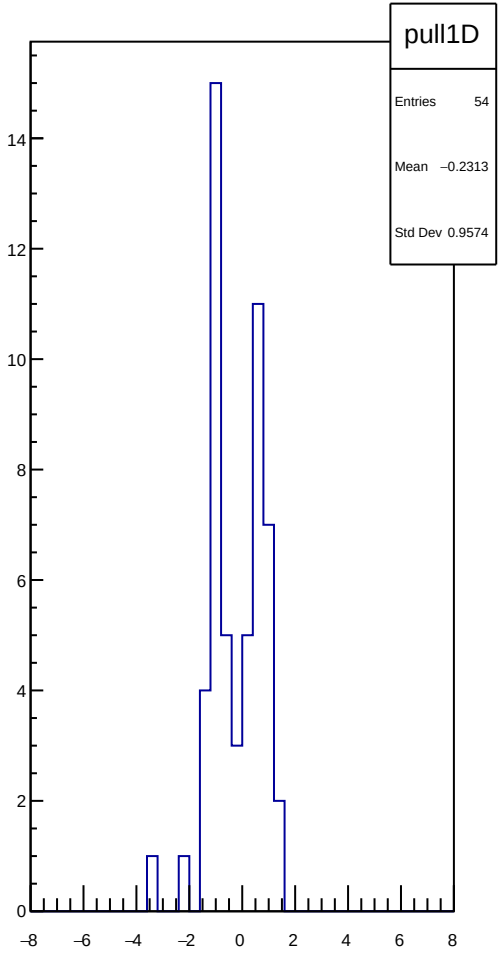

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.87 / 53
p0 −76.73 ± 1.558
pull
Entries 54
Mean 13.46
Std Dev 17.23
pull1D
Entries 54
Mean 0.4804
Std Dev 1.142

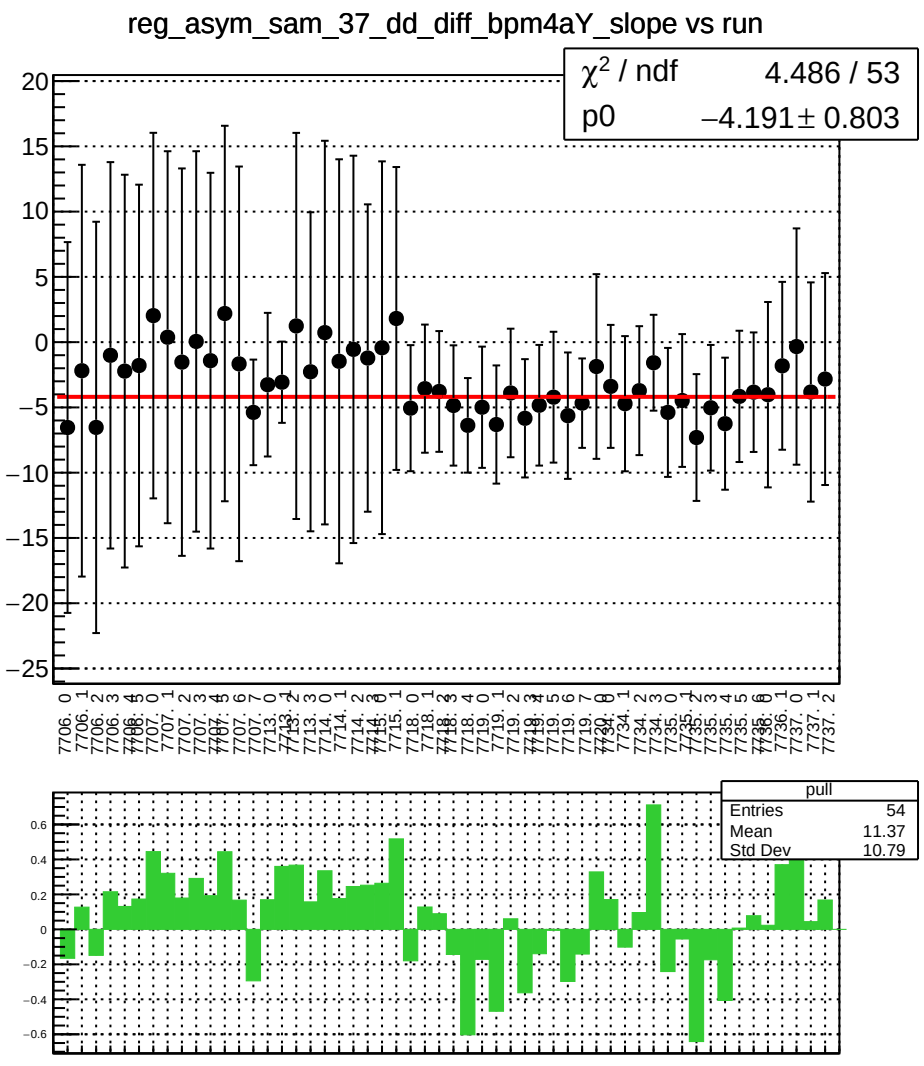

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.451 / 53
p0 2.996 ± 3.062
pull
Entries 54
Mean 25.47
Std Dev 23.71

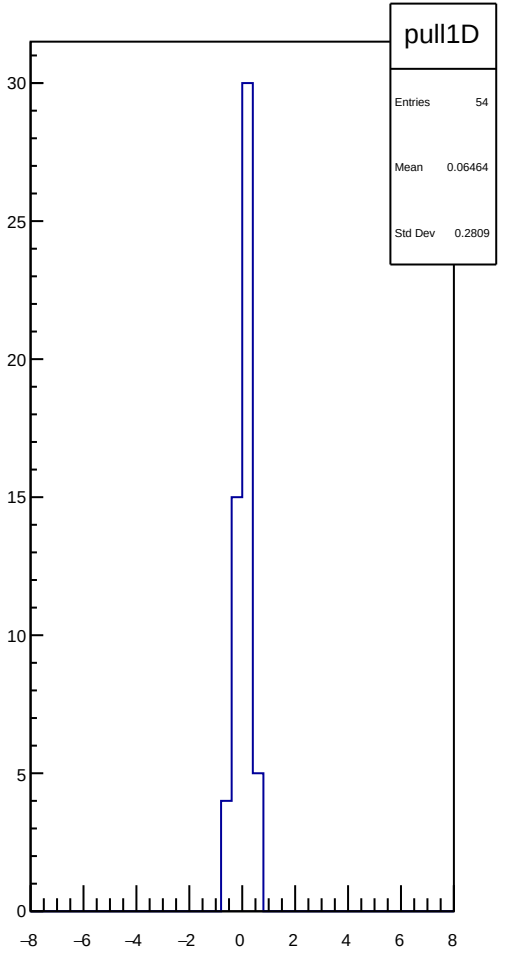

pull1D
Entries 54
Mean −0.08598
Std Dev 0.3059

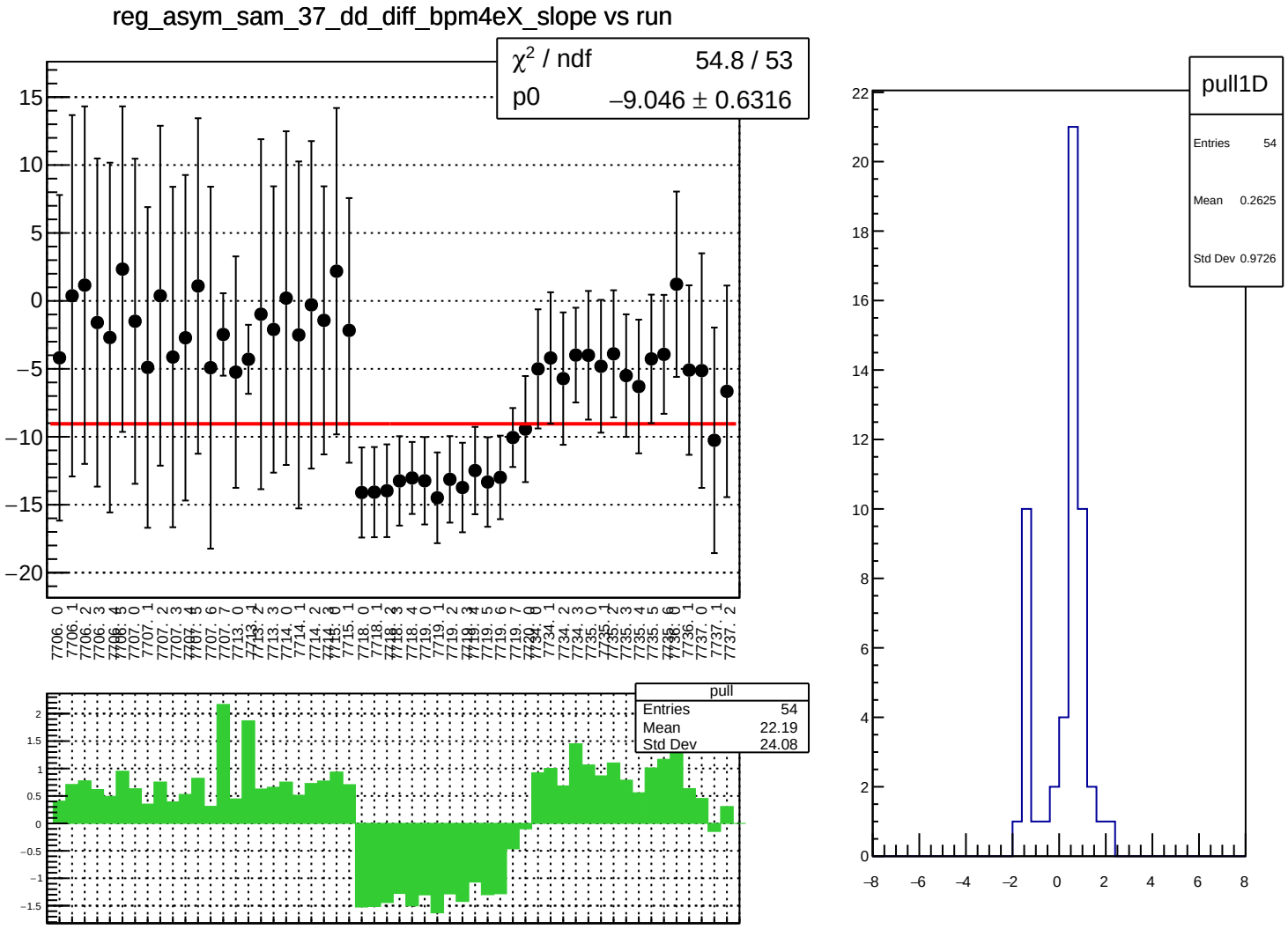

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 29.94 / 53
p0 −0.08292 ± 0.1294
pull
Entries 54
Mean 6.795
Std Dev 0
pull1D
Entries 54
Mean 0.07223
Std Dev 0.7411

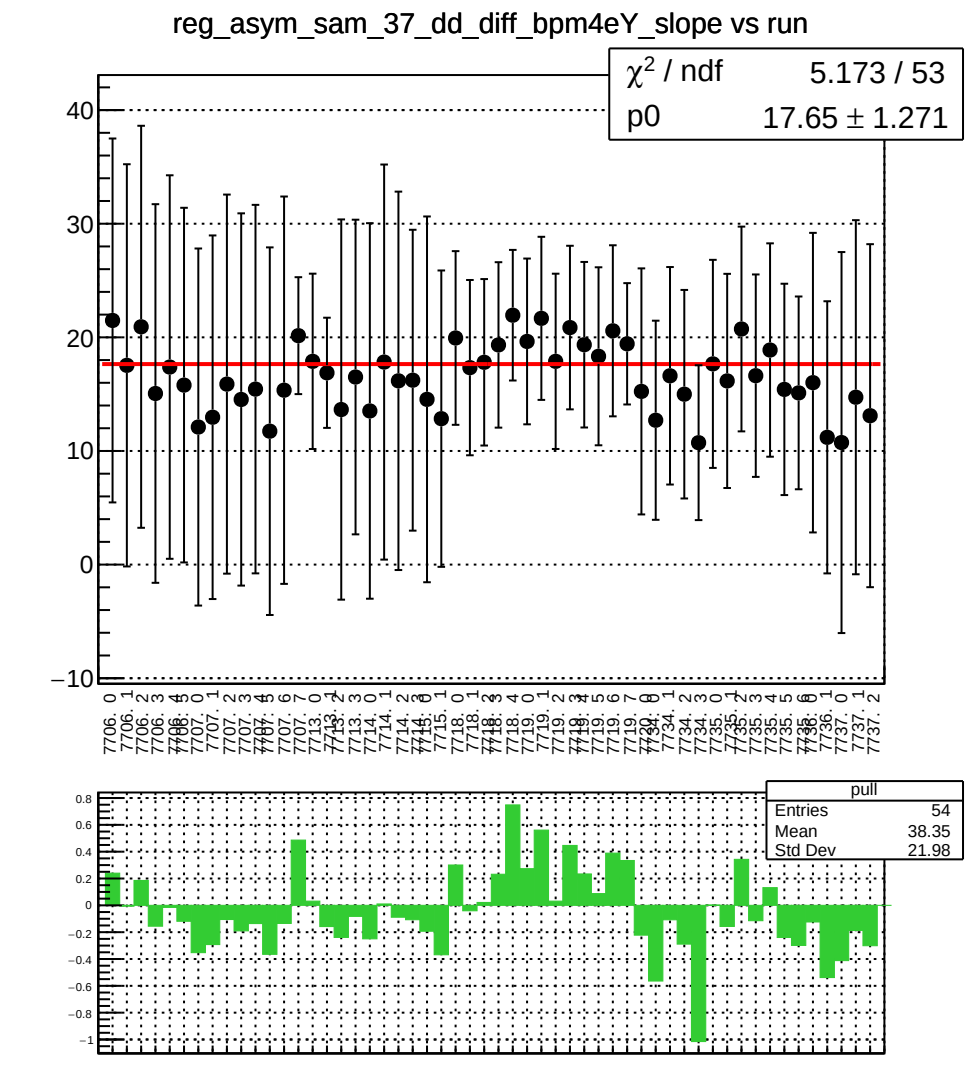

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 52.39 / 53
p0 −25.28 ± 0.7258
pull
Entries 54
Mean −18.73
Std Dev 0

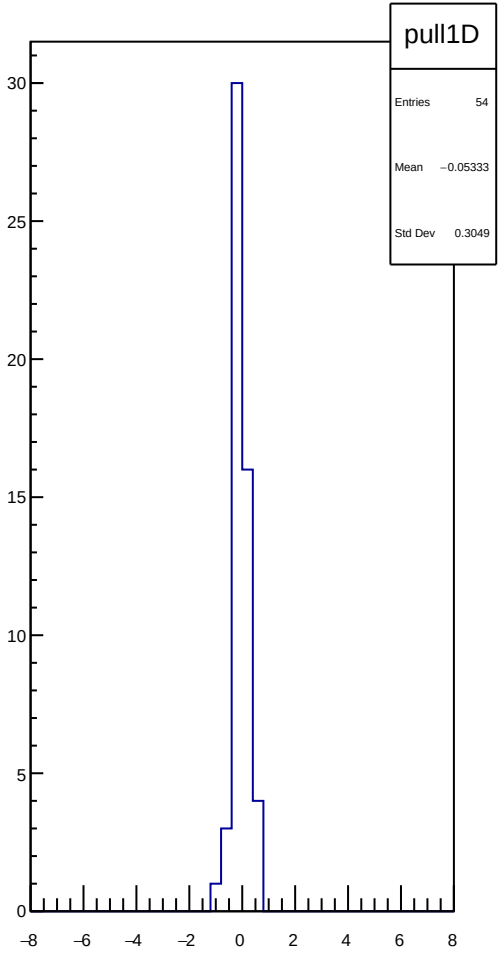

pull1D
Entries 54
Mean −0.2313
Std Dev 0.9574

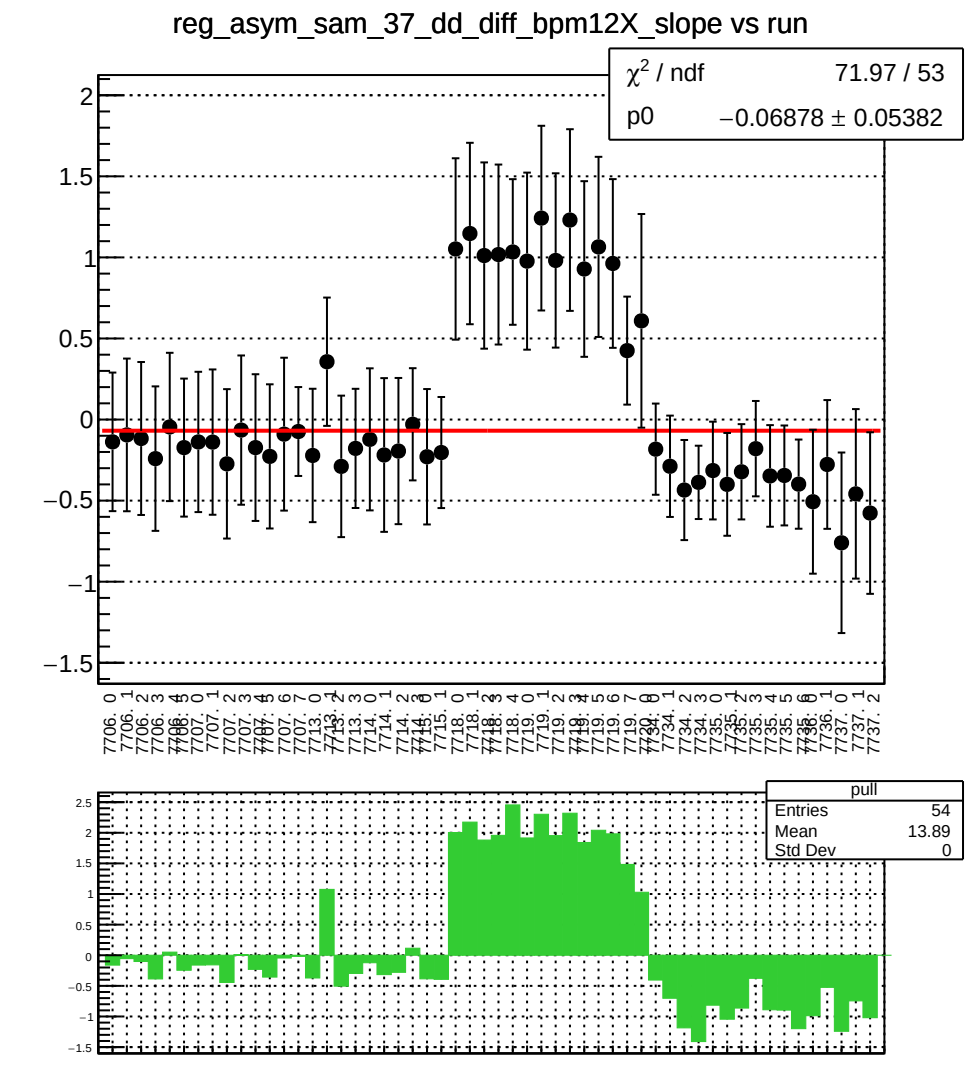

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.486 / 53
p0 −4.191 ± 0.803
pull
Entries 54
Mean 11.37
Std Dev 10.79

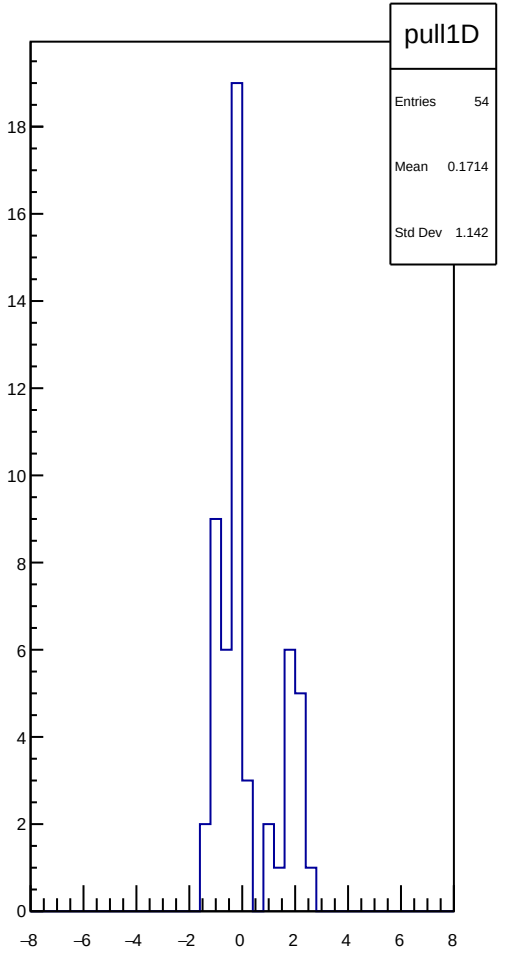

pull1D
Entries 54
Mean 0.06464
Std Dev 0.2809

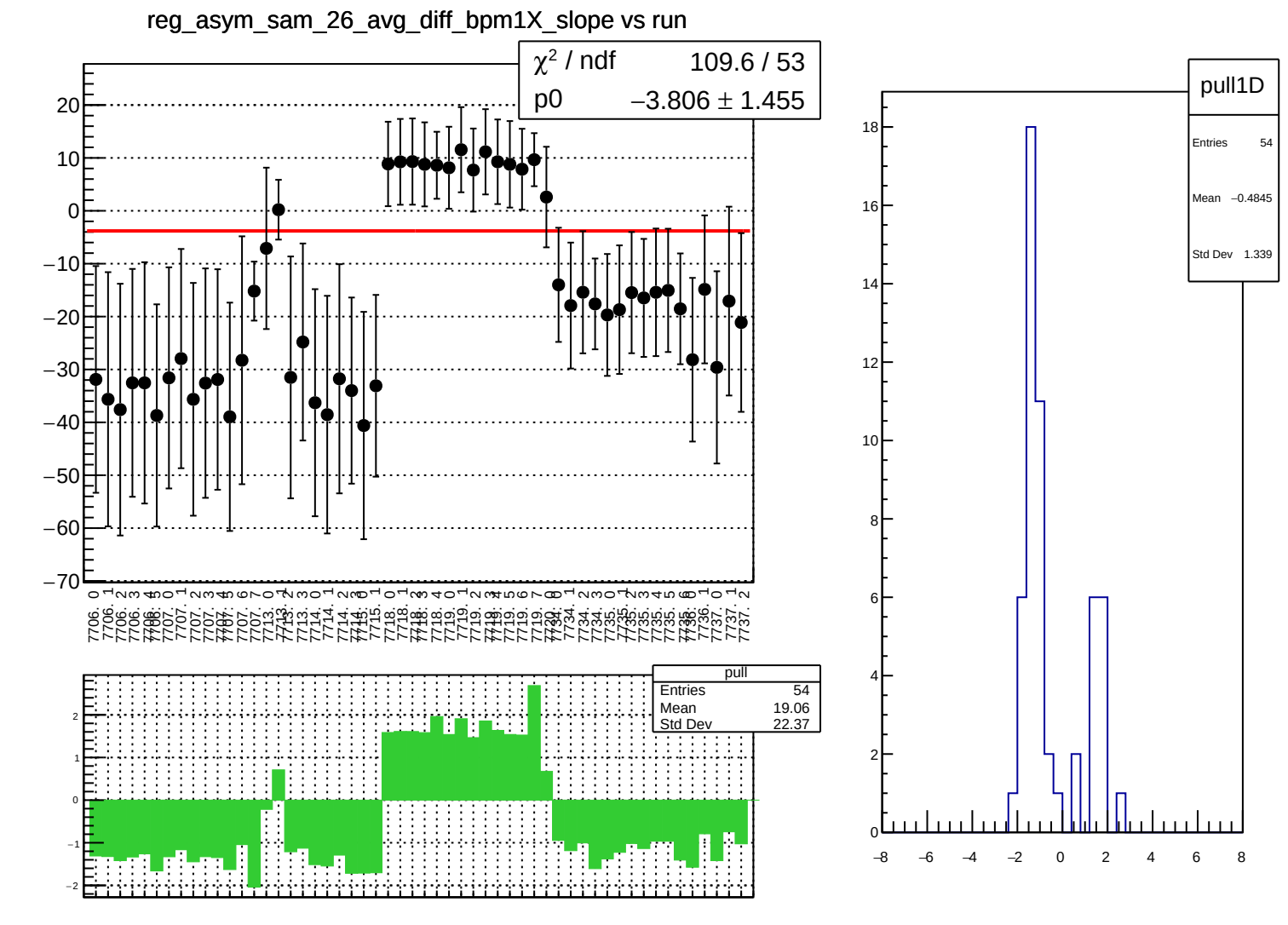

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.8 / 53
p0 −9.046 ± 0.6316
pull
Entries 54
Mean 22.19
Std Dev 24.08
pull1D
Entries 54
Mean 0.2625
Std Dev 0.9726

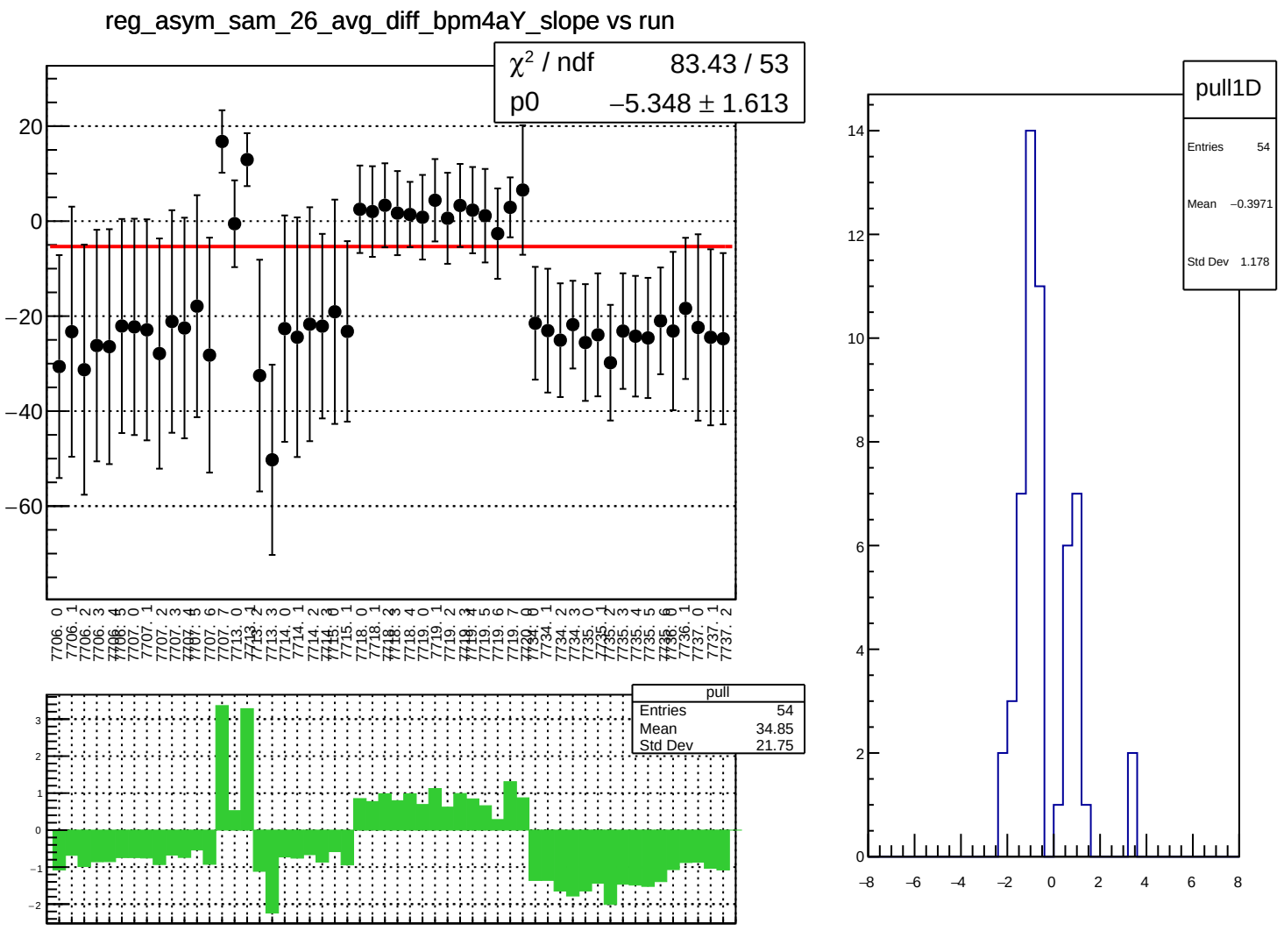

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.173 / 53
p0 17.65 ± 1.271
pull
Entries 54
Mean 38.35
Std Dev 21.98

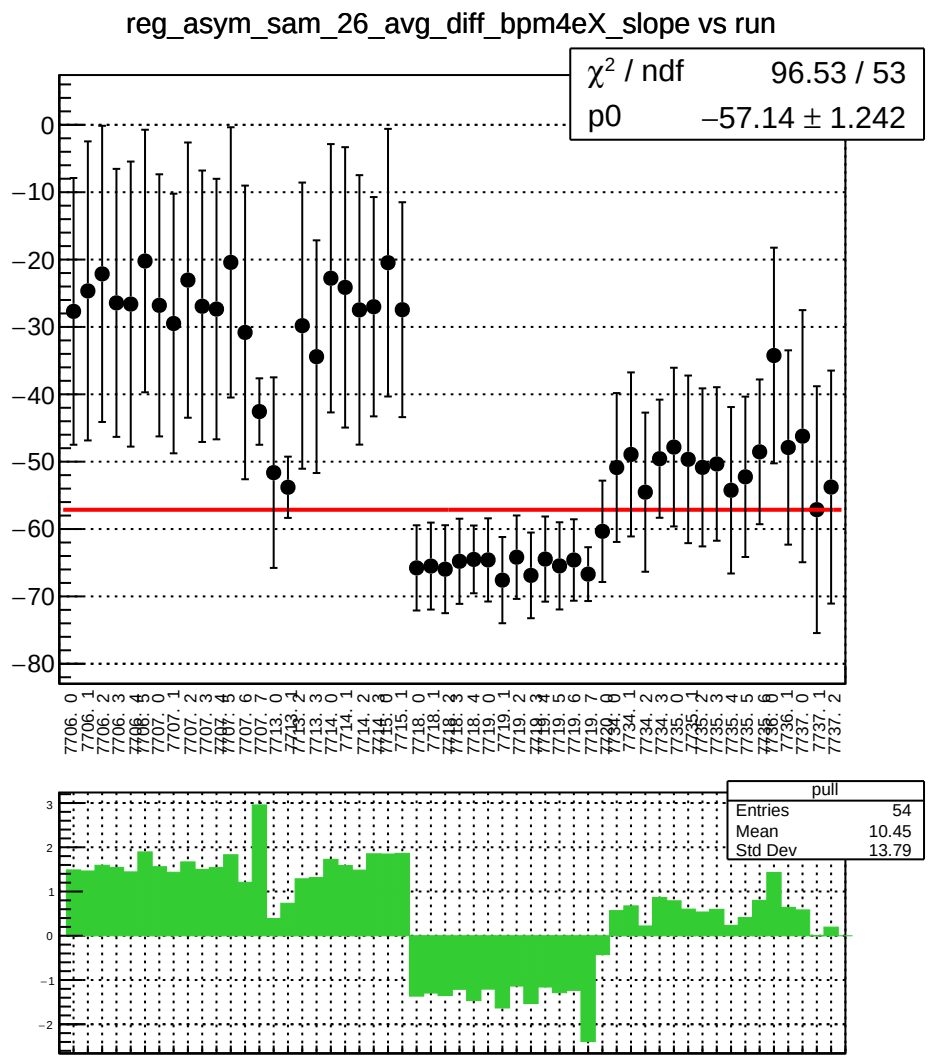

pull1D
Entries 54
Mean −0.05333
Std Dev 0.3049

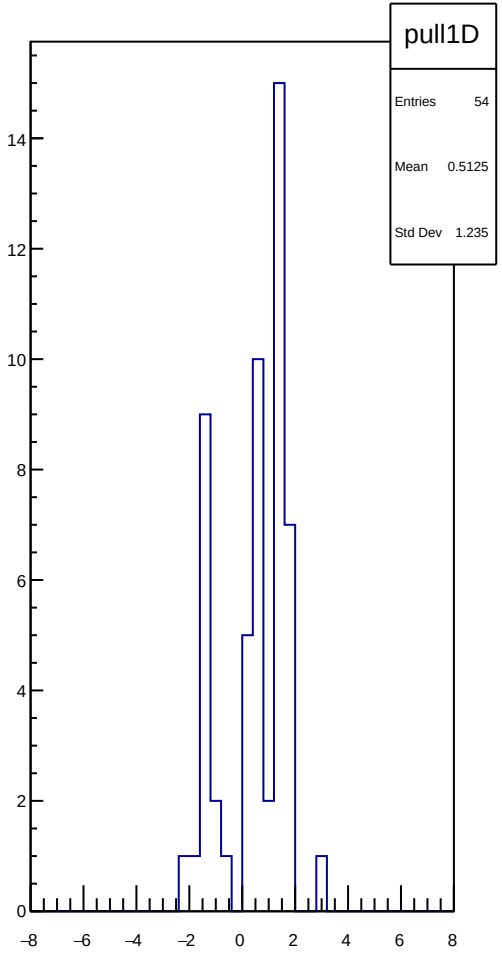

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 71.97 / 53
p0 −0.06878 ± 0.05382
pull
Entries 54
Mean 13.89
Std Dev 0

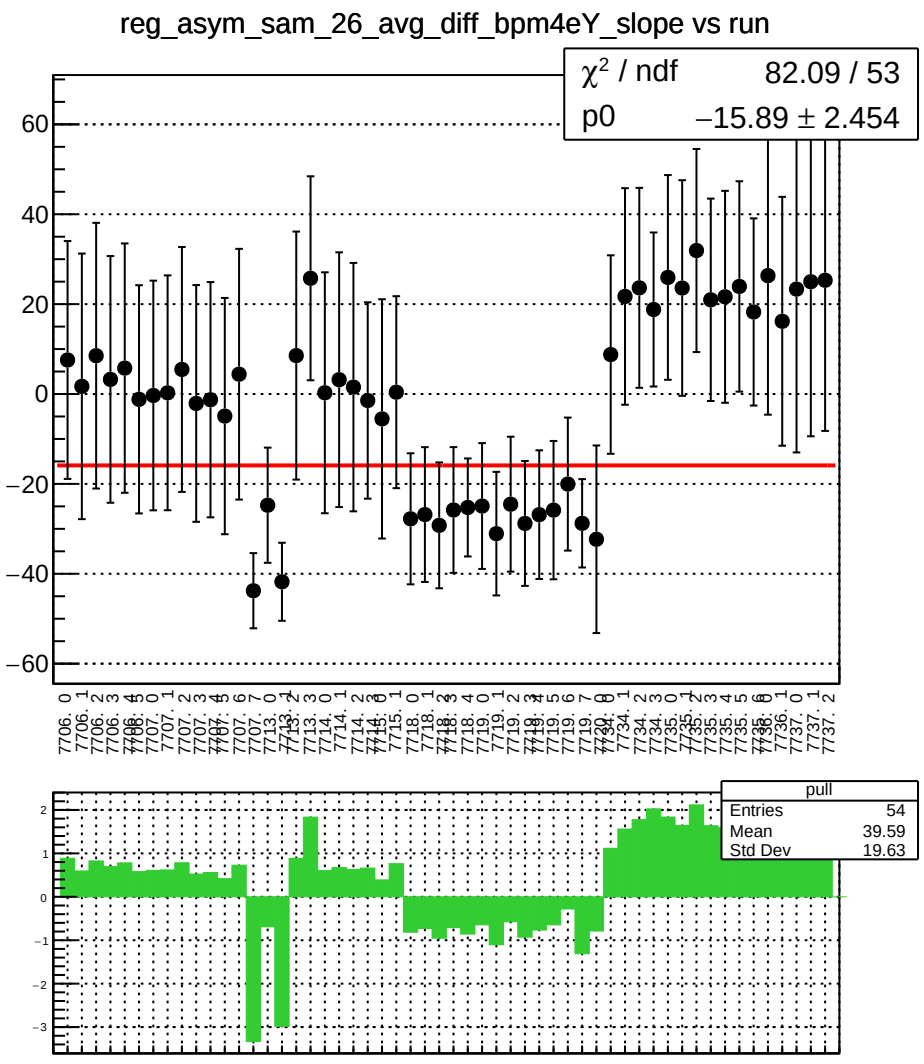

pull1D
Entries 54
Mean 0.1714
Std Dev 1.142

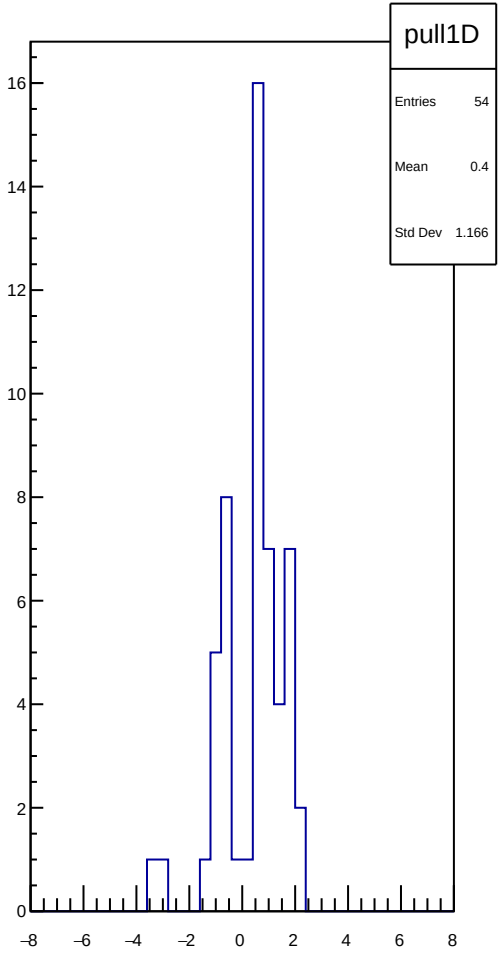

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 109.6 / 53
p0 −3.806 ± 1.455
pull
Entries 54
Mean 19.06
Std Dev 22.37
pull1D
Entries 54
Mean −0.4845
Std Dev 1.339

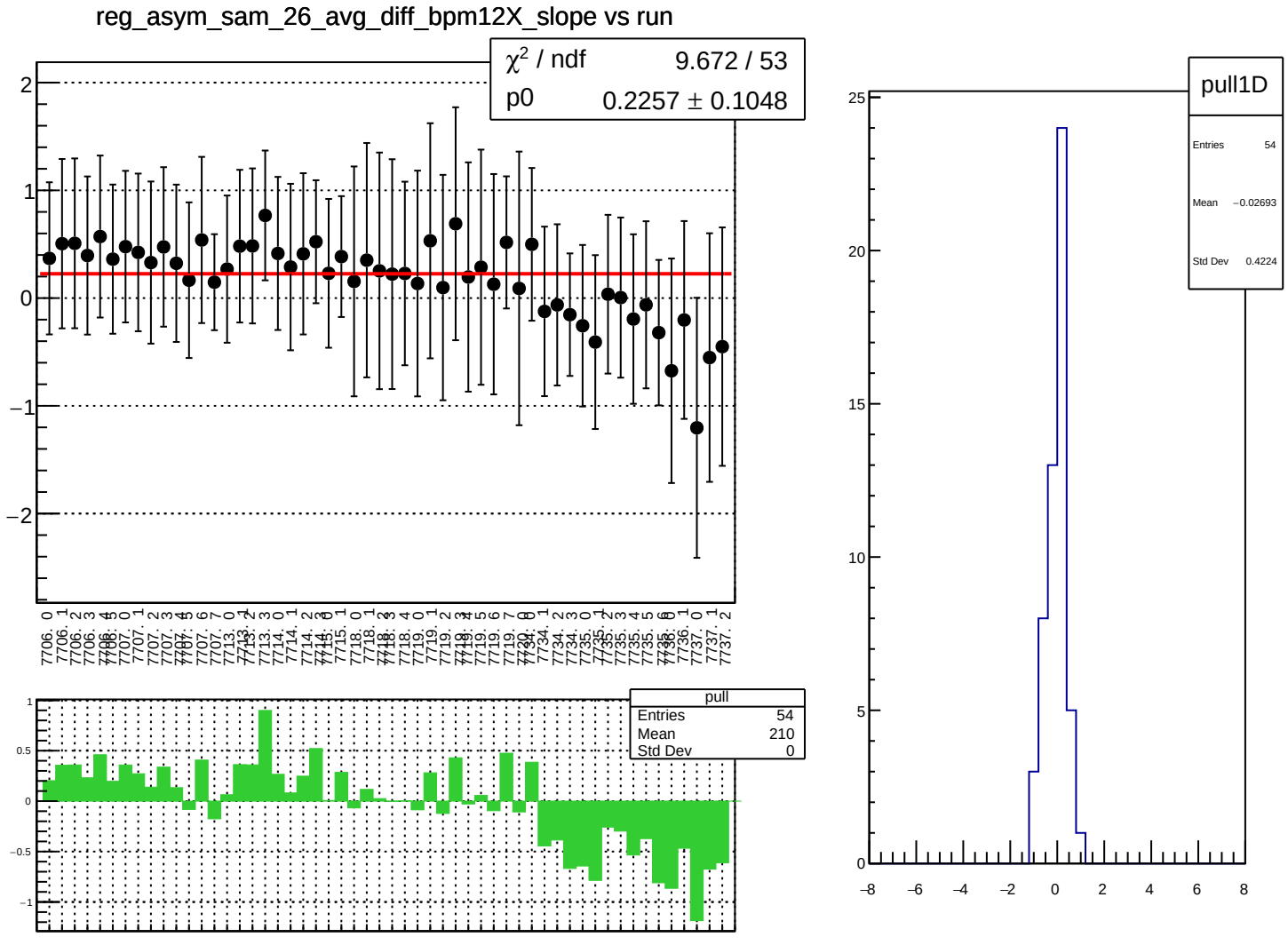

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 83.43 / 53
p0 −5.348 ± 1.613
pull
Entries 54
Mean 34.85
Std Dev 21.75
pull1D
Entries 54
Mean −0.3971
Std Dev 1.178

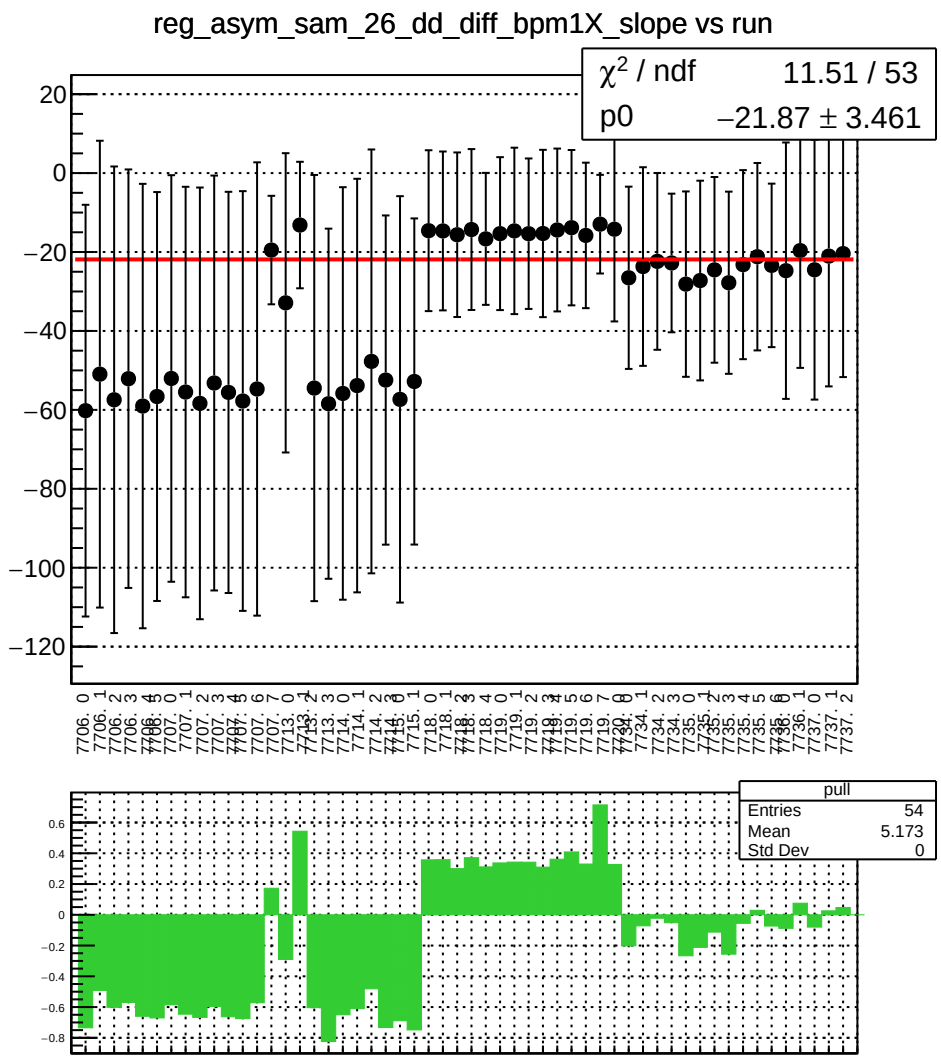

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.53 / 53
p0 −57.14 ± 1.242
pull
Entries 54
Mean 10.45
Std Dev 13.79

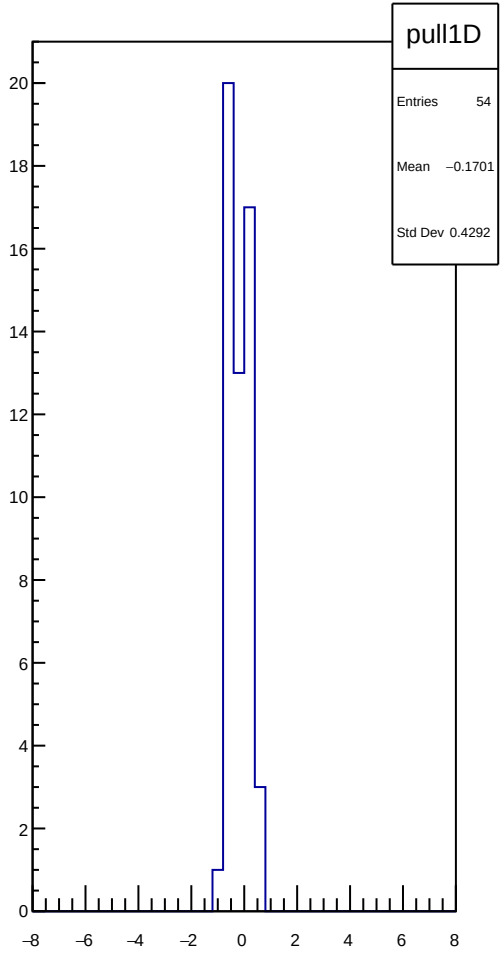

pull1D
Entries 54
Mean 0.5125
Std Dev 1.235

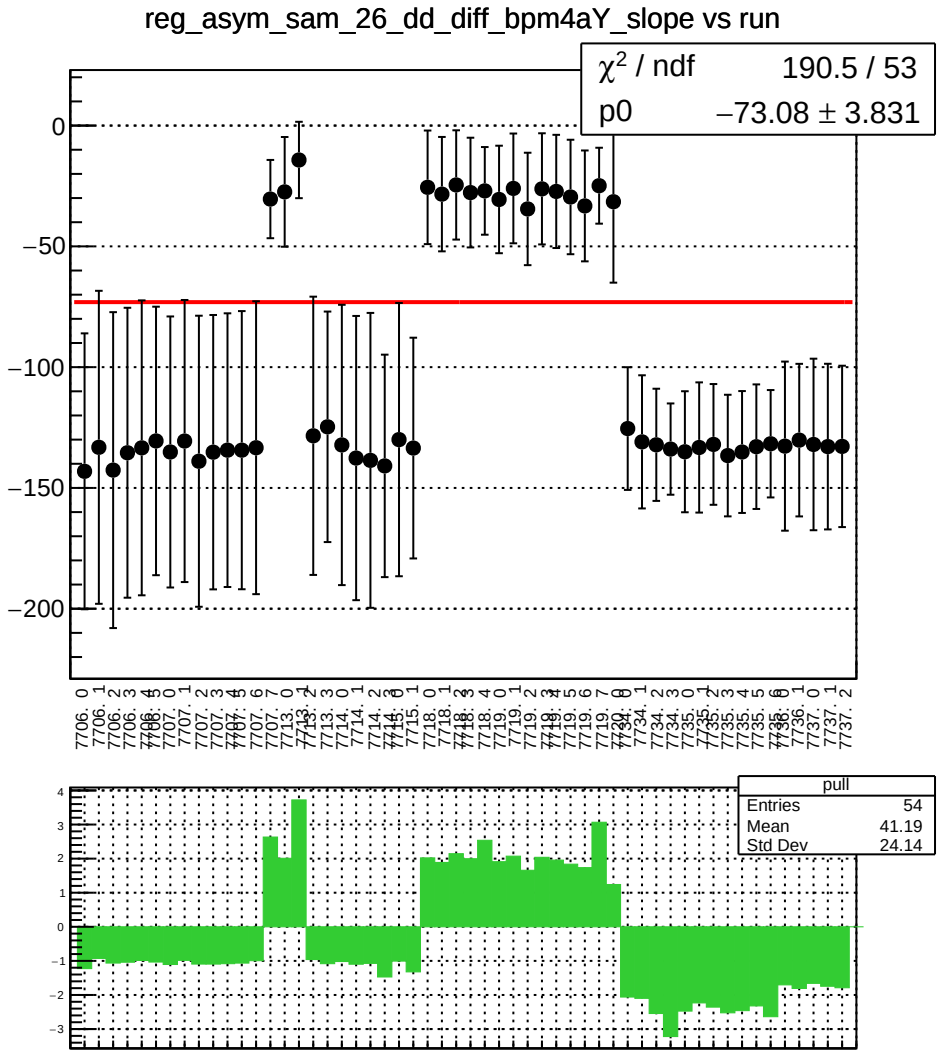

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.09 / 53
p0 −15.89 ± 2.454
pull
Entries 54
Mean 39.59
Std Dev 19.63

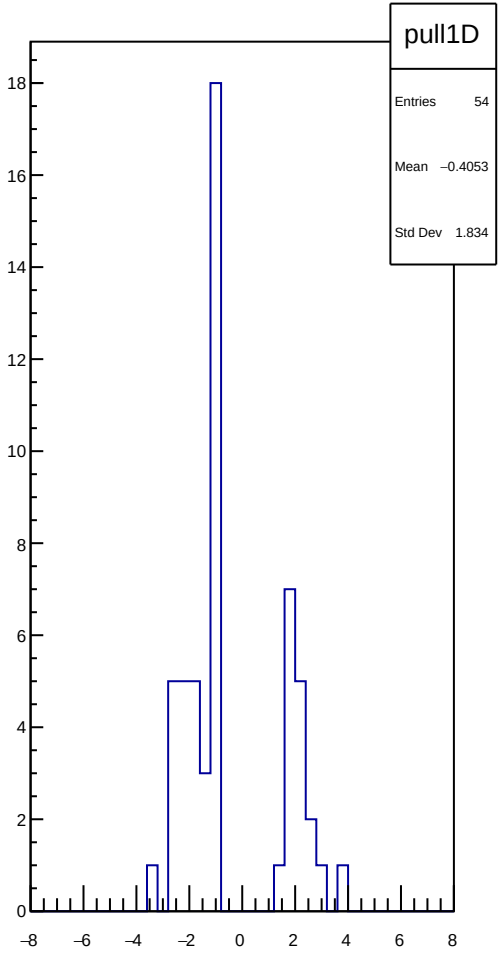

pull1D
Entries 54
Mean 0.4
Std Dev 1.166

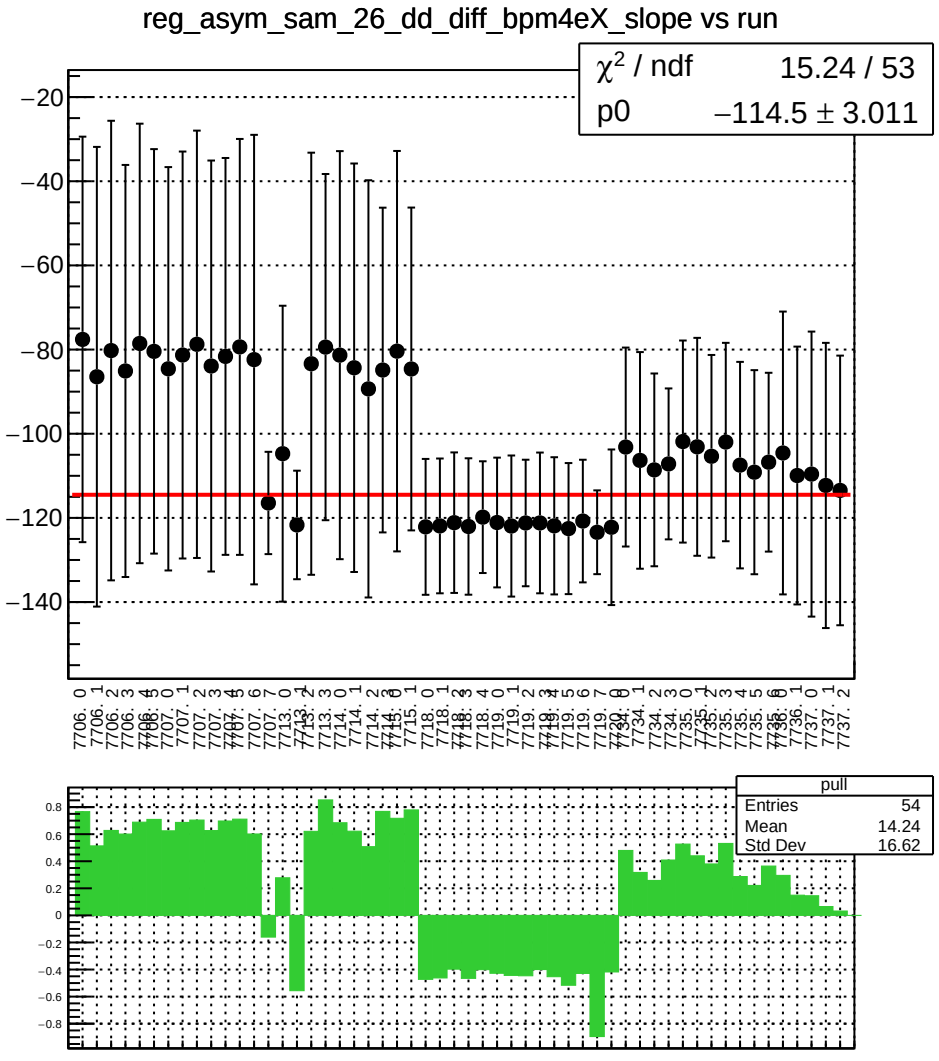

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 9.672 / 53
p0 0.2257 ± 0.1048
pull
Entries 54
Mean 210
Std Dev 0
pull1D
Entries 54
Mean −0.02693
Std Dev 0.4224

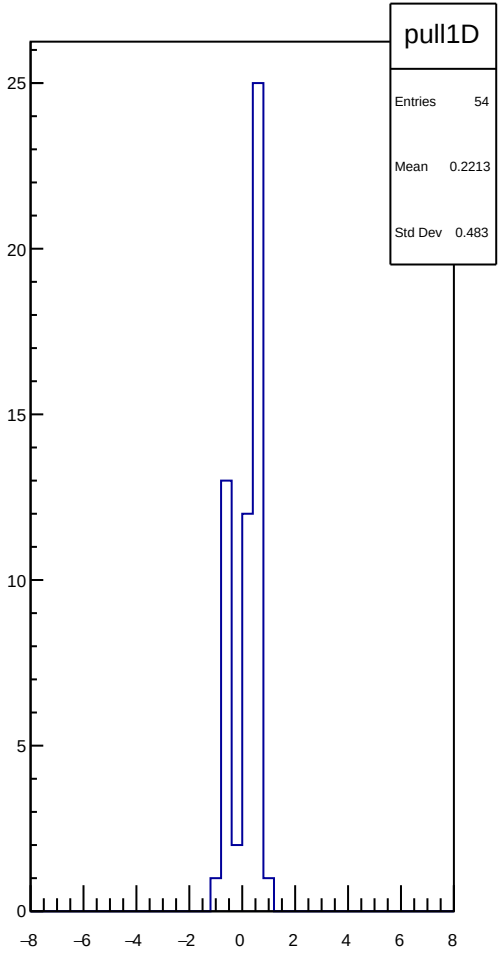

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.51 / 53
p0 −21.87 ± 3.461
pull
Entries 54
Mean 5.173
Std Dev 0

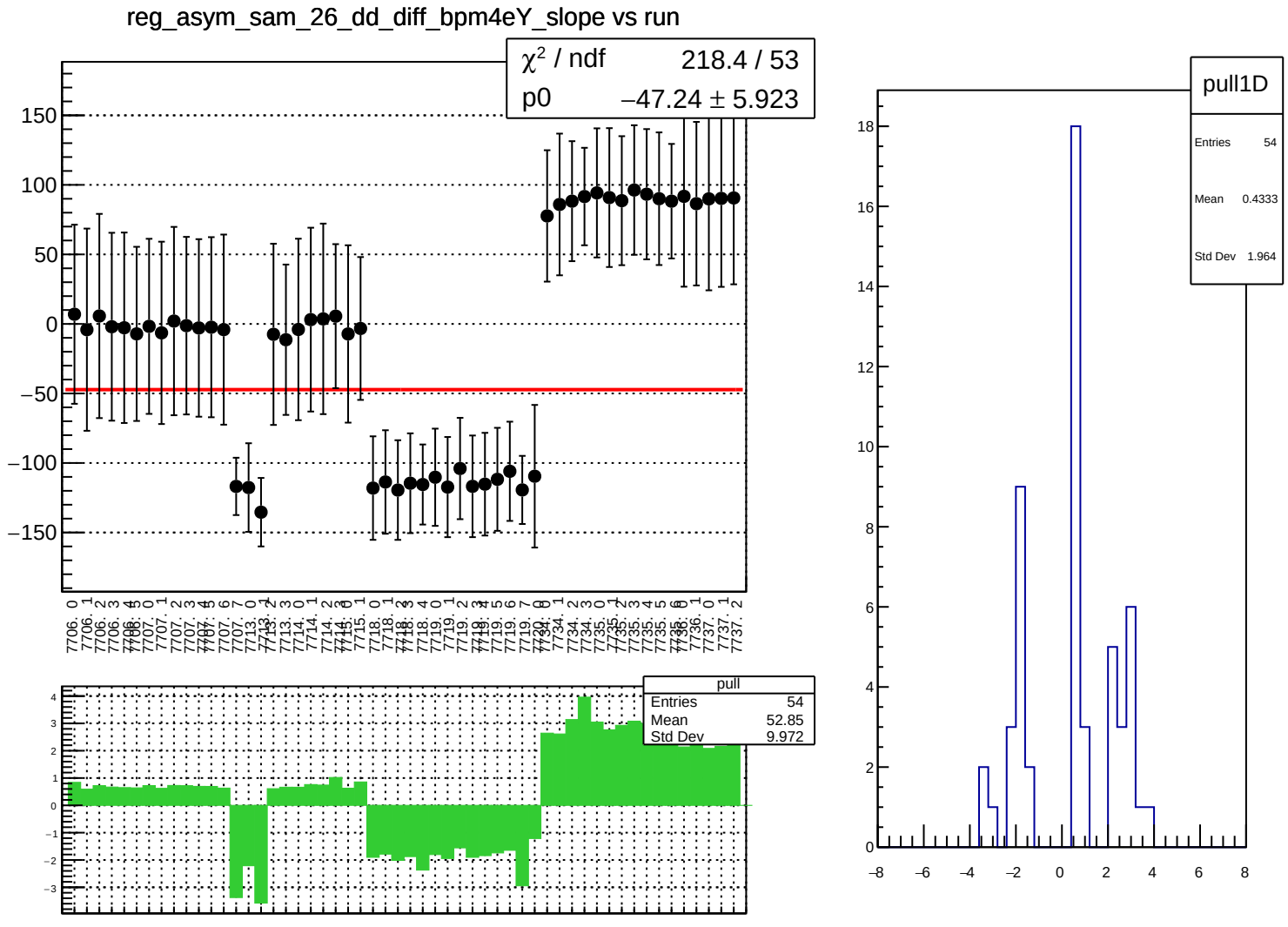

pull1D
Entries 54
Mean −0.1701
Std Dev 0.4292

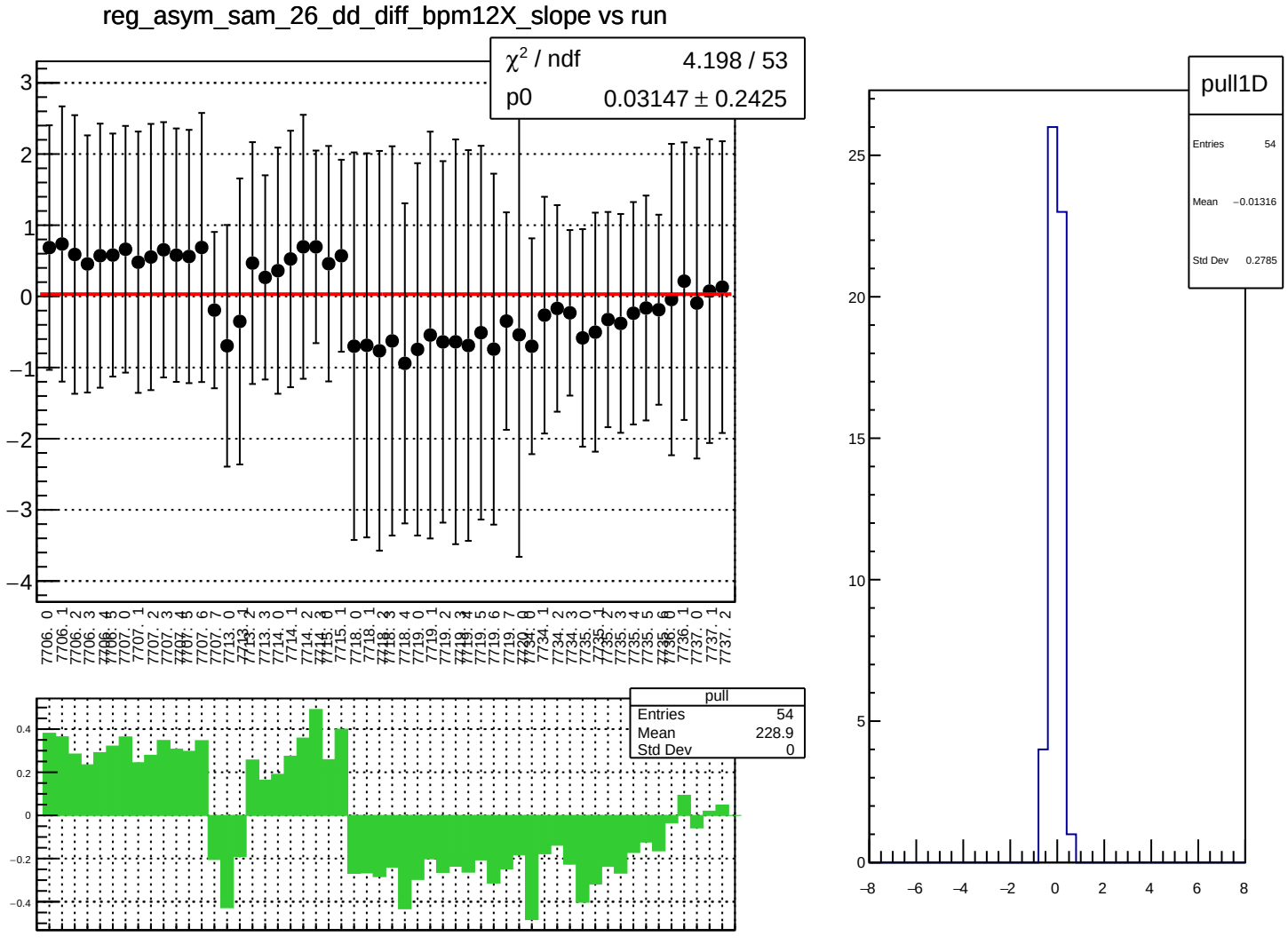

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 190.5 / 53
p0 −73.08 ± 3.831
pull
Entries 54
Mean 41.19
Std Dev 24.14

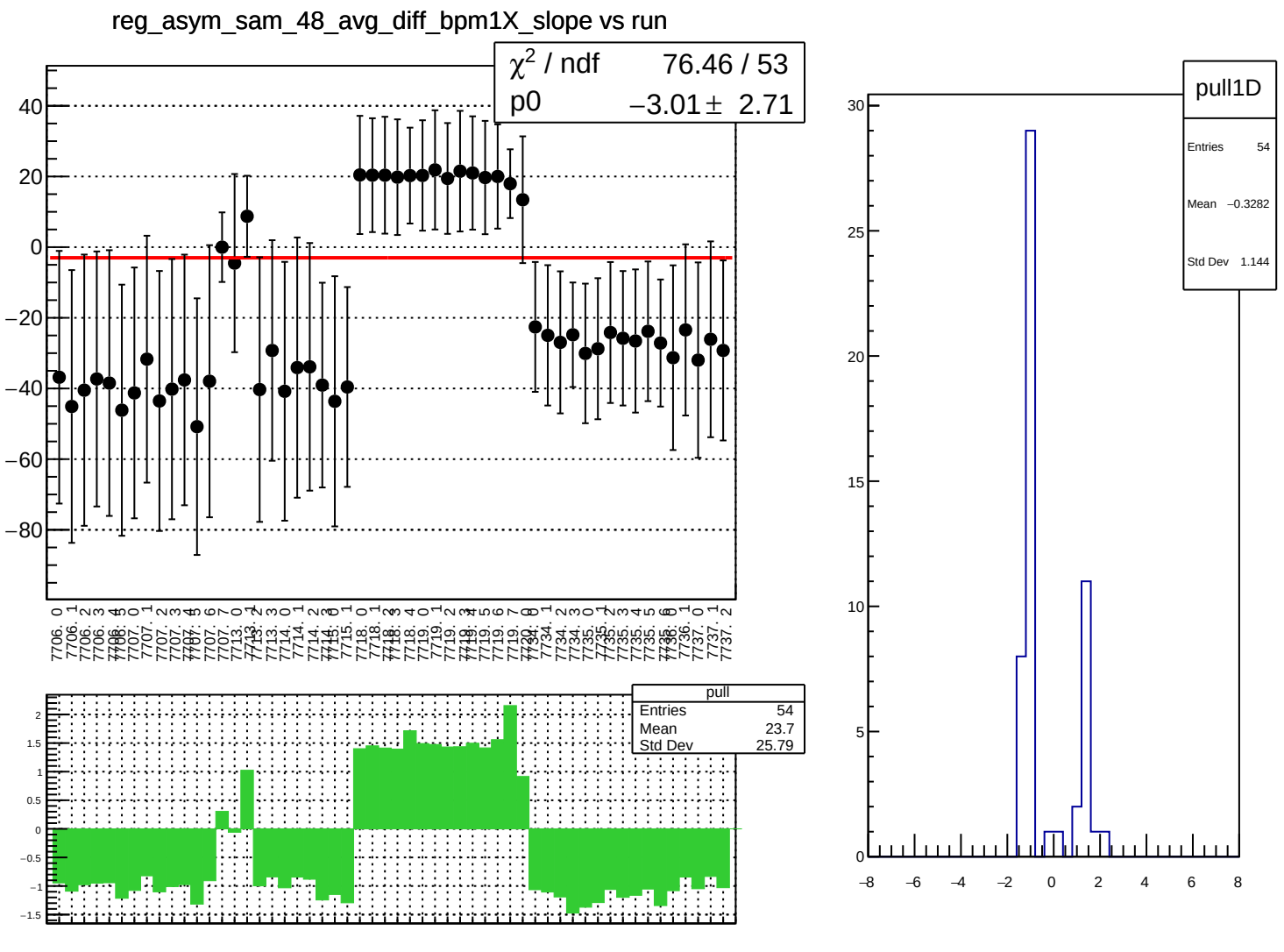

pull1D
Entries 54
Mean −0.4053
Std Dev 1.834

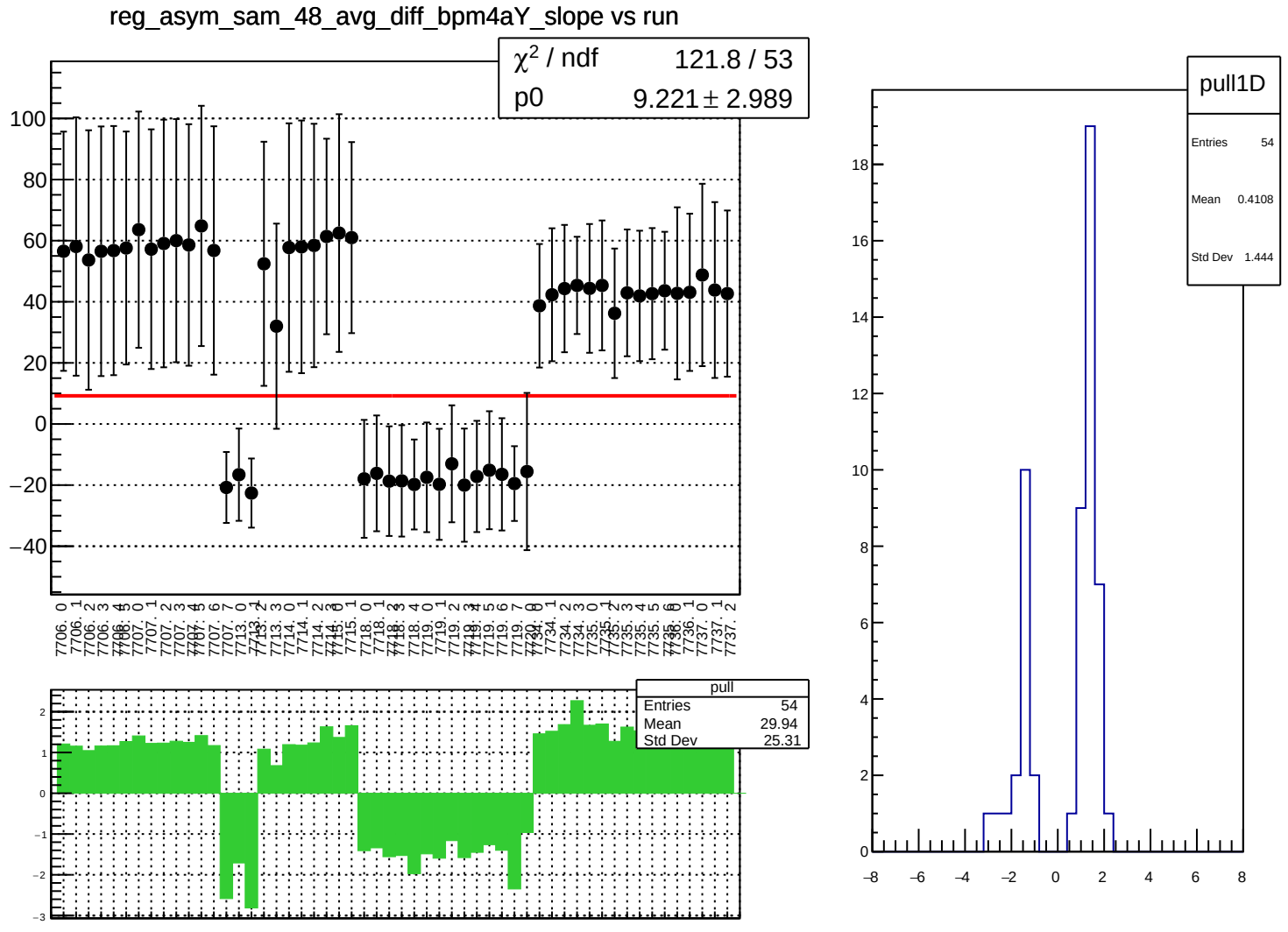

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.24 / 53
p0 −114.5 ± 3.011
pull
Entries 54
Mean 14.24
Std Dev 16.62

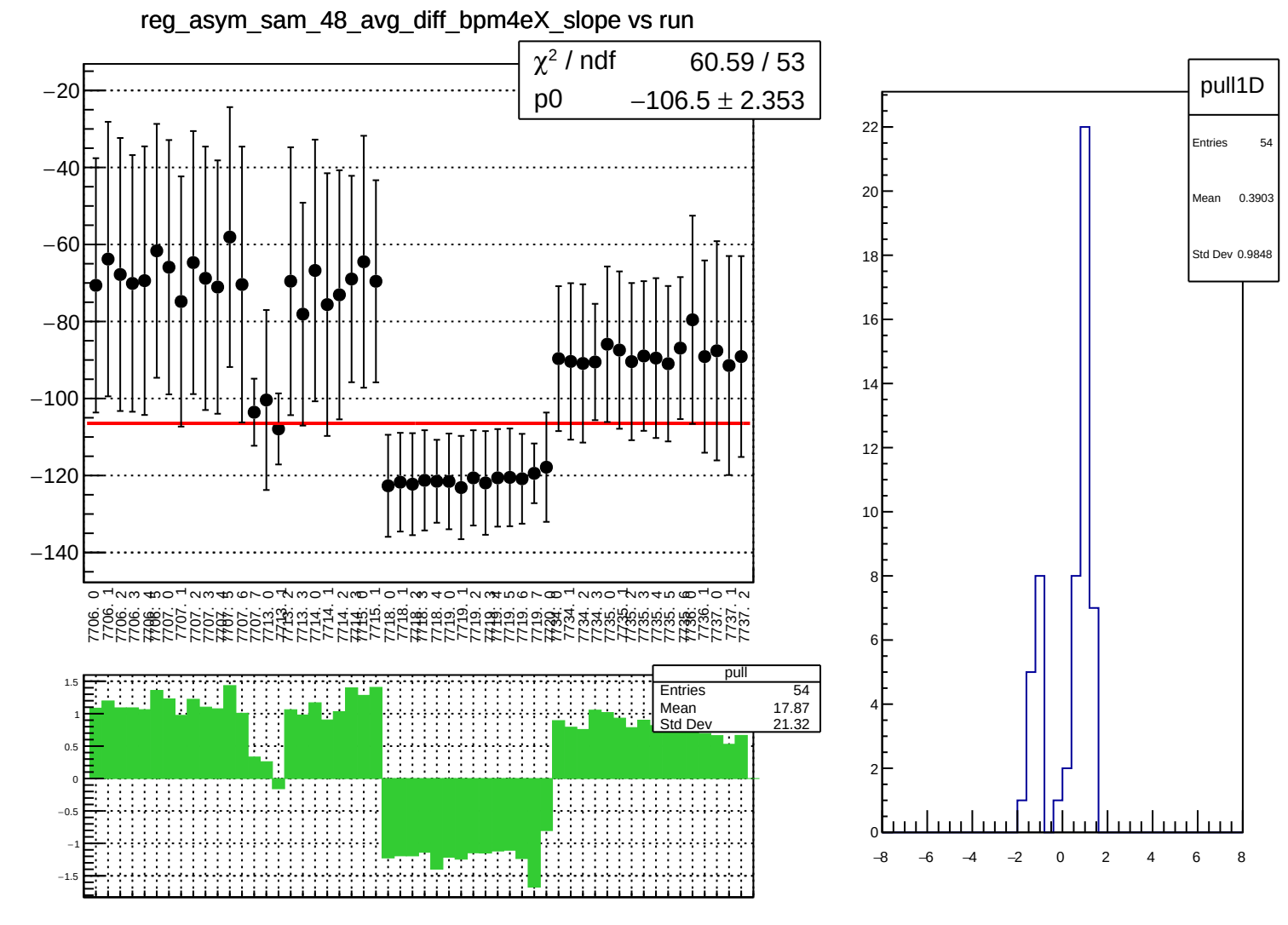

pull1D
Entries 54
Mean 0.2213
Std Dev 0.483

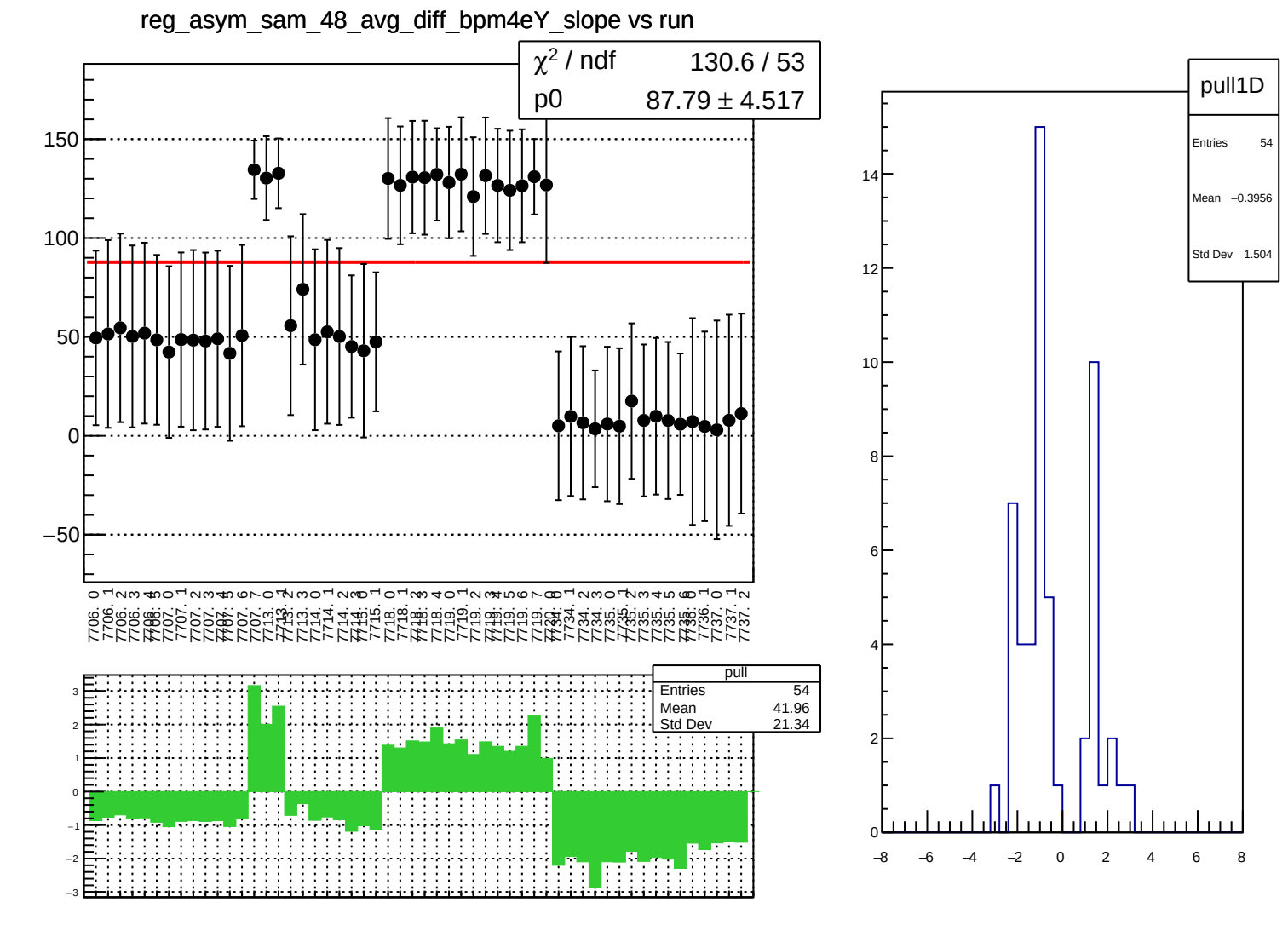

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 218.4 / 53
p0 −47.24 ± 5.923
pull
Entries 54
Mean 52.85
Std Dev 9.972
pull1D
Entries 54
Mean 0.4333
Std Dev 1.964

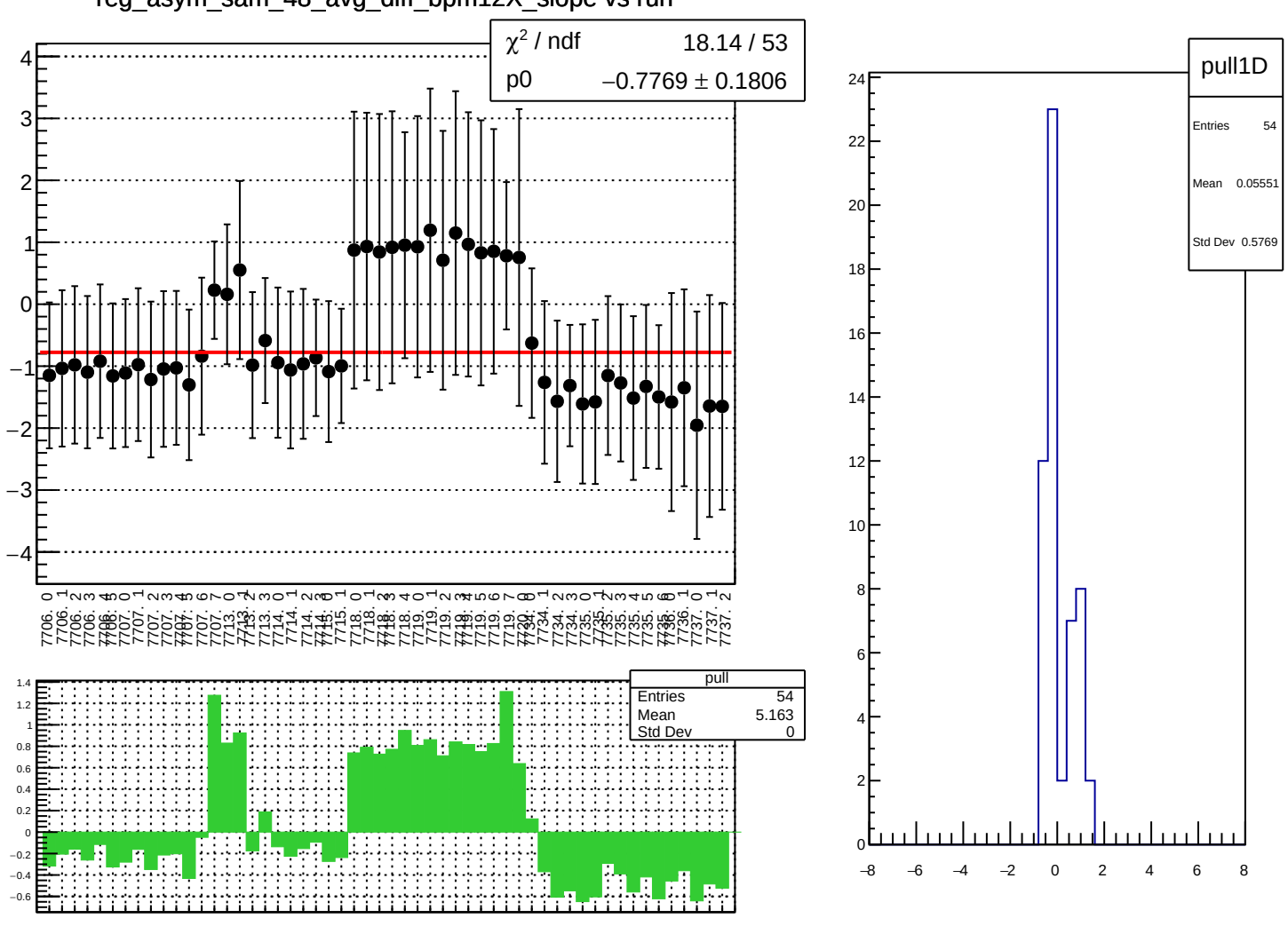

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.198 / 53
p0 0.03147 ± 0.2425
pull
Entries 54
Mean 228.9
Std Dev 0
pull1D
Entries 54
Mean −0.01316
Std Dev 0.2785

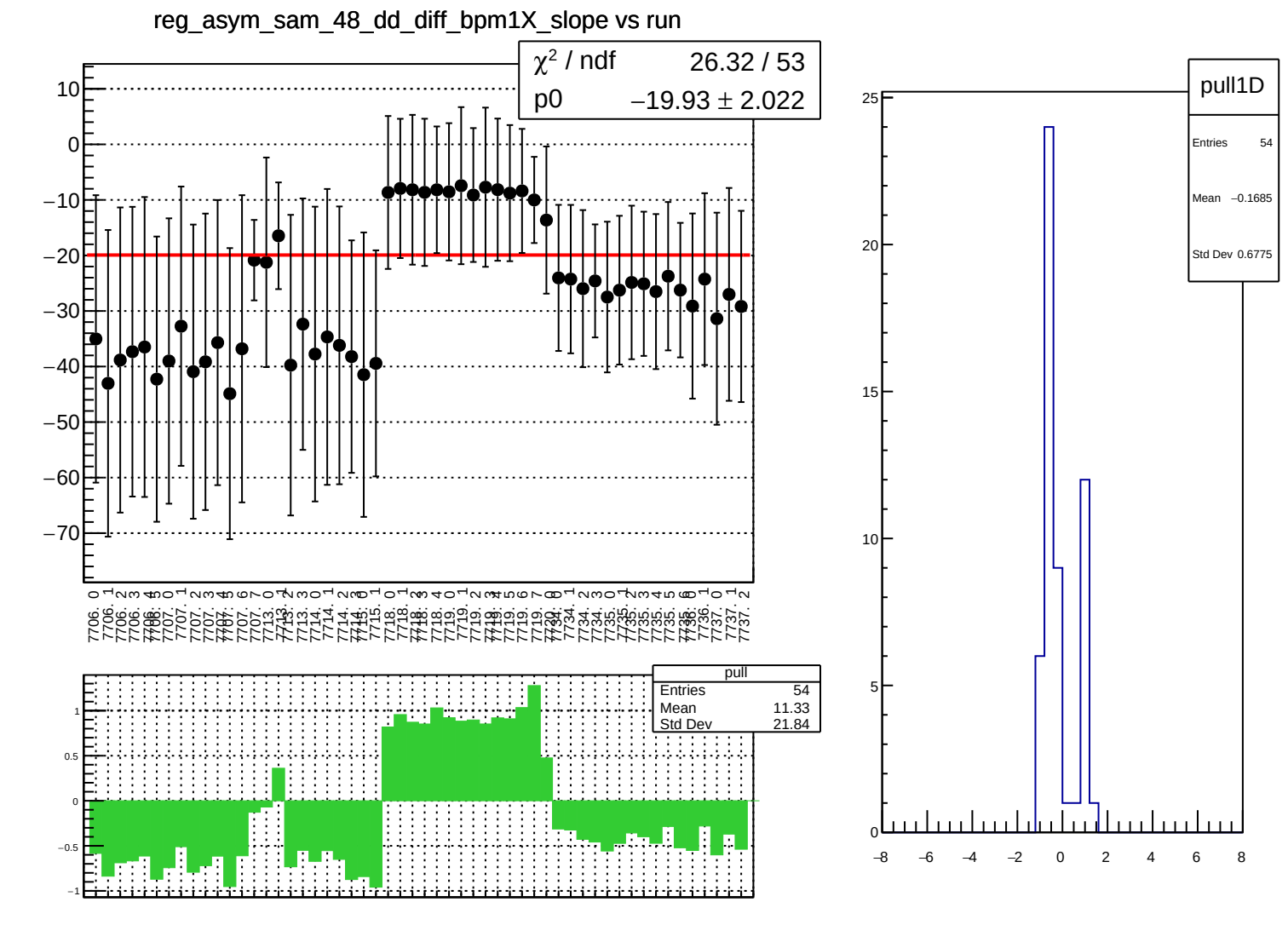

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 76.46 / 53
p0 −3.01 ± 2.71
pull
Entries 54
Mean 23.7
Std Dev 25.79
pull1D
Entries 54
Mean −0.3282
Std Dev 1.144

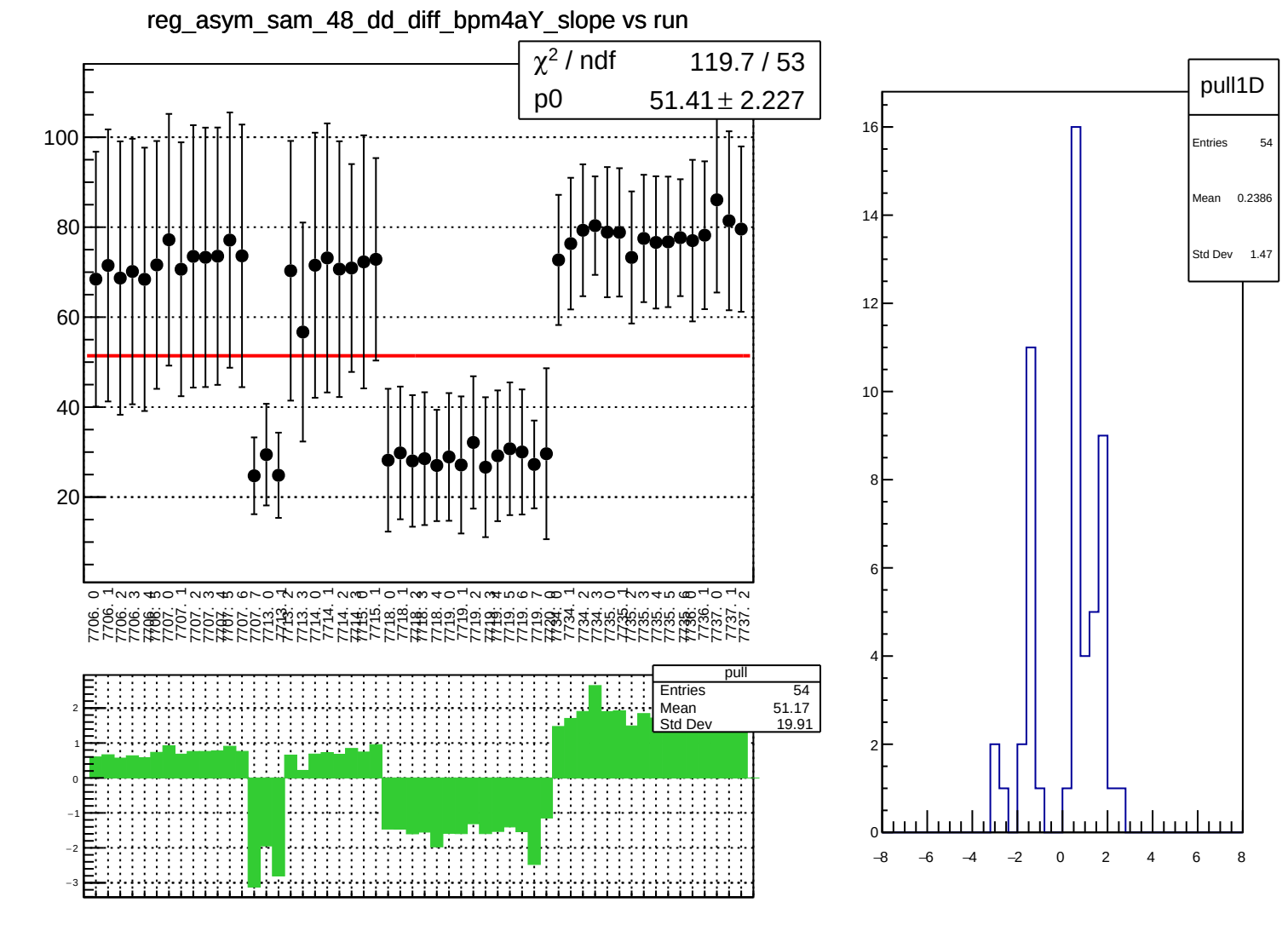

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 121.8 / 53
p0 9.221 ± 2.989
pull
Entries 54
Mean 29.94
Std Dev 25.31
pull1D
Entries 54
Mean 0.4108
Std Dev 1.444

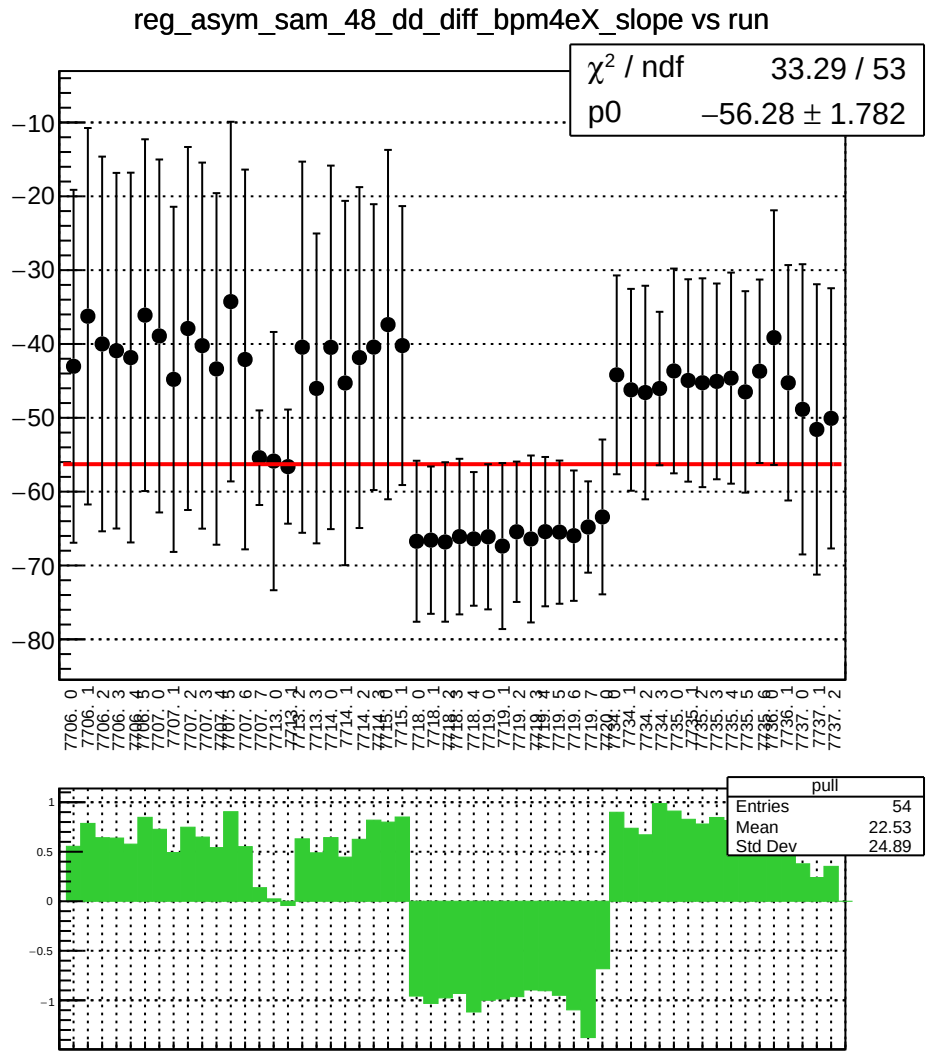

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.59 / 53
p0 −106.5 ± 2.353
pull
Entries 54
Mean 17.87
Std Dev 21.32
pull1D
Entries 54
Mean 0.3903
Std Dev 0.9848

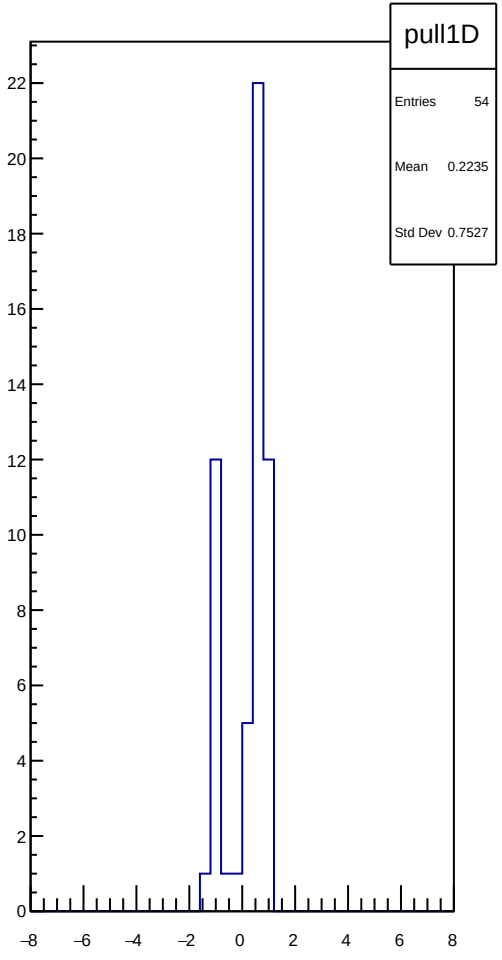

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 130.6 / 53
p0 87.79 ± 4.517
150
100
50
0
−50
pull
Entries 54
Mean 41.96
Std Dev 21.34
3
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.3956
Std Dev 1.504
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

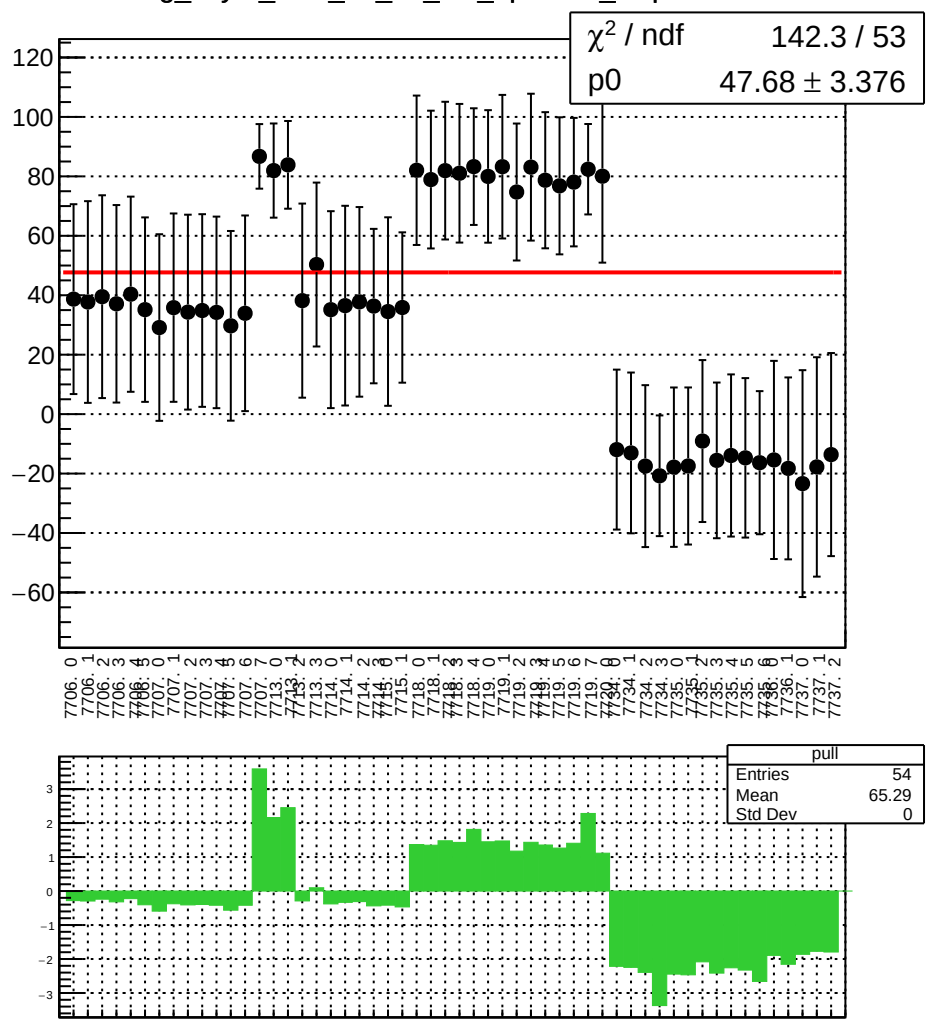

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 18.14 / 53
p0 −0.7769 ± 0.1806
pull
Entries 54
Mean 5.163
Std Dev 0
pull1D
Entries 54
Mean 0.05551
Std Dev 0.5769

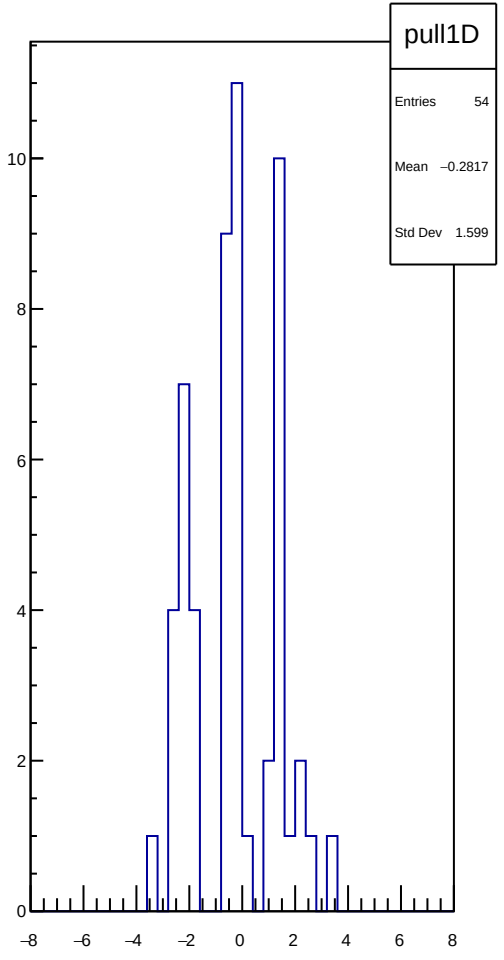

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 26.32 / 53
p0 −19.93 ± 2.022
pull
Entries 54
Mean 11.33
Std Dev 21.84
pull1D
Entries 54
Mean −0.1685
Std Dev 0.6775

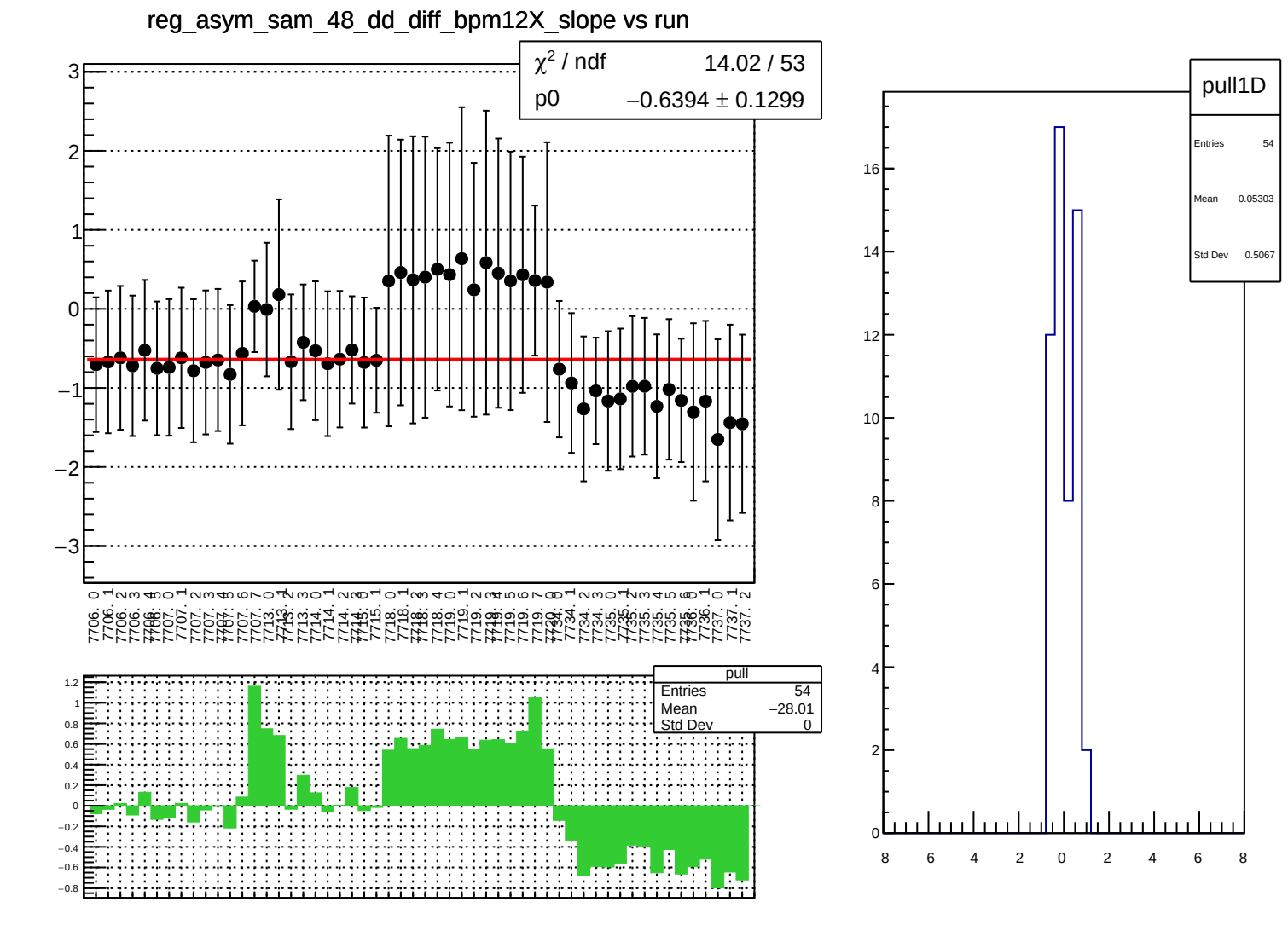

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 119.7 / 53
p0 51.41 ± 2.227
pull
Entries 54
Mean 51.17
Std Dev 19.91
pull1D
Entries 54
Mean 0.2386
Std Dev 1.47

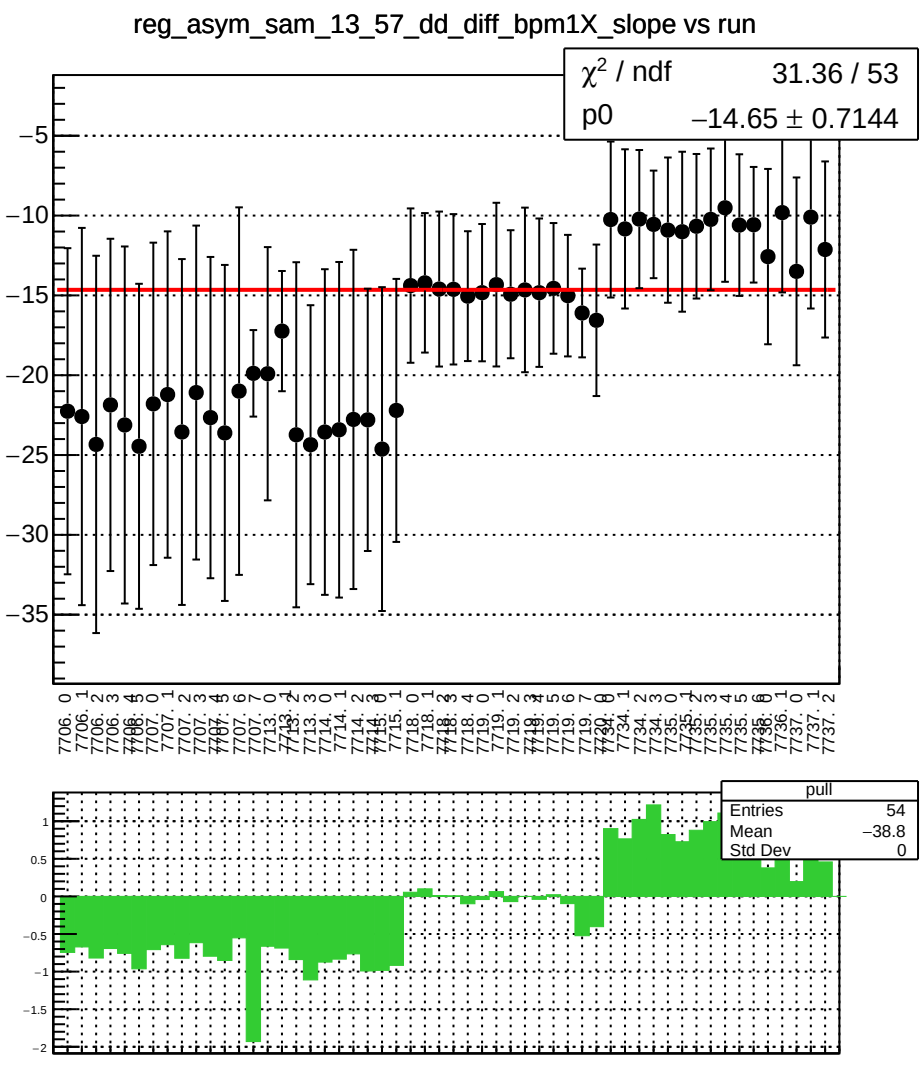

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.29 / 53
p0 −56.28 ± 1.782
pull
Entries 54
Mean 22.53
Std Dev 24.89

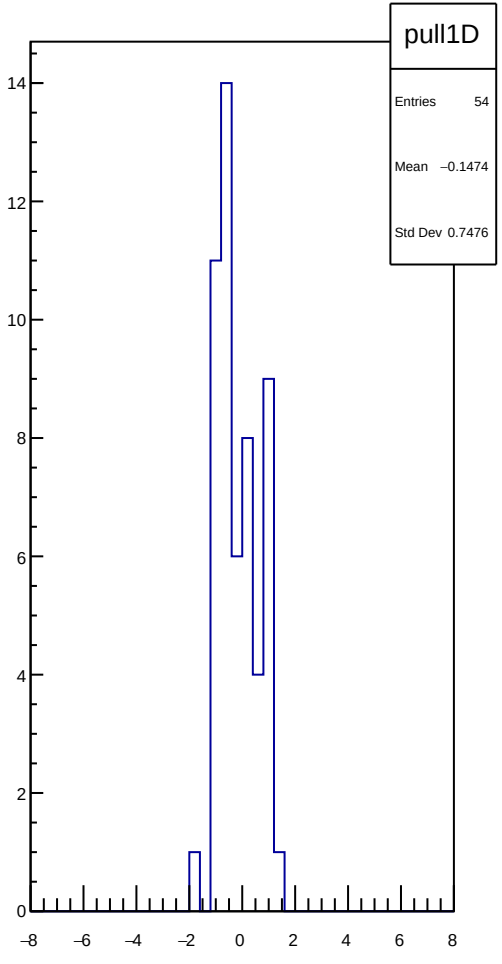

pull1D
Entries 54
Mean 0.2235
Std Dev 0.7527

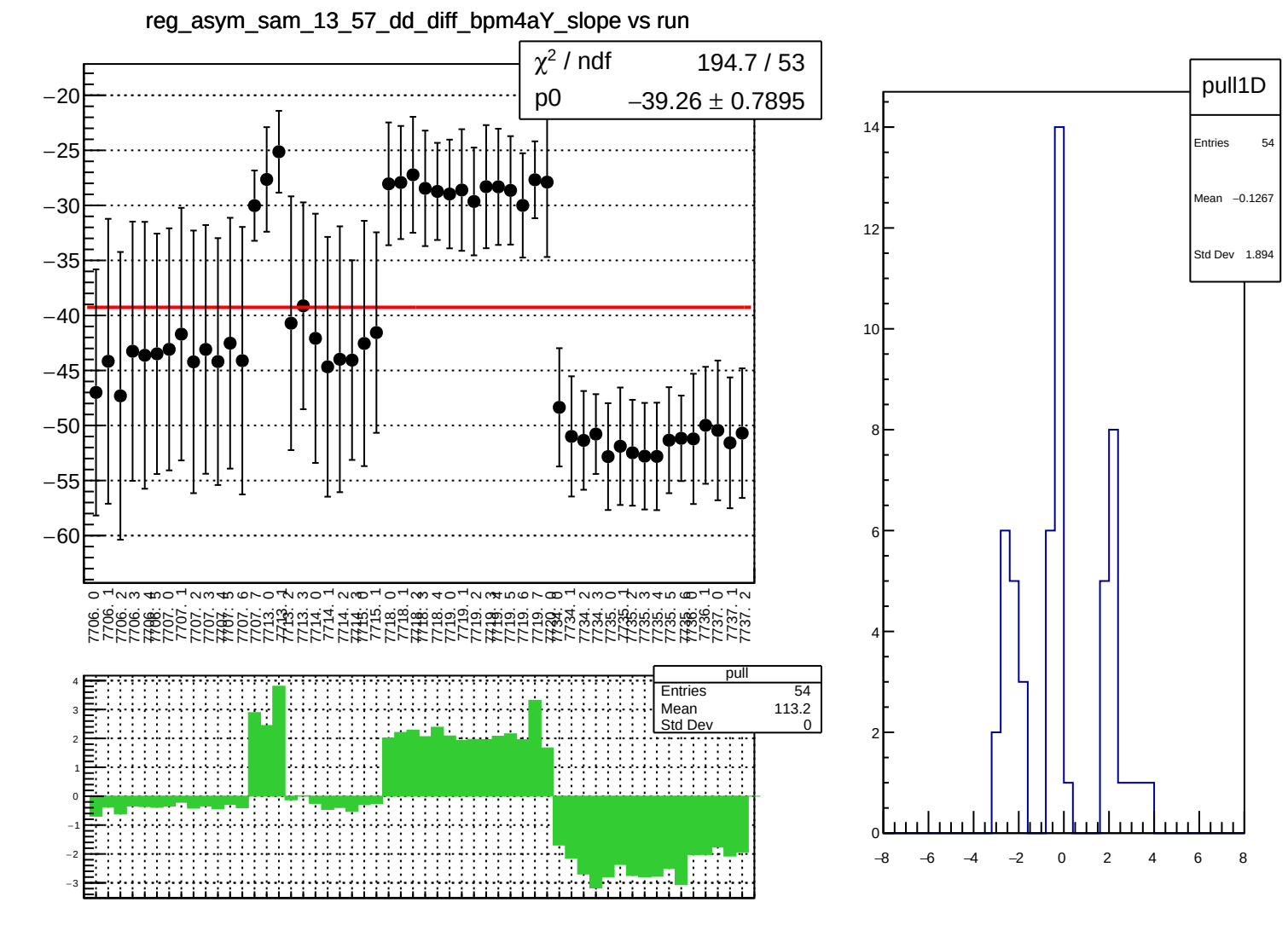

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 142.3 / 53
p0 47.68 ± 3.376
pull
Entries 54
Mean 65.29
Std Dev 0

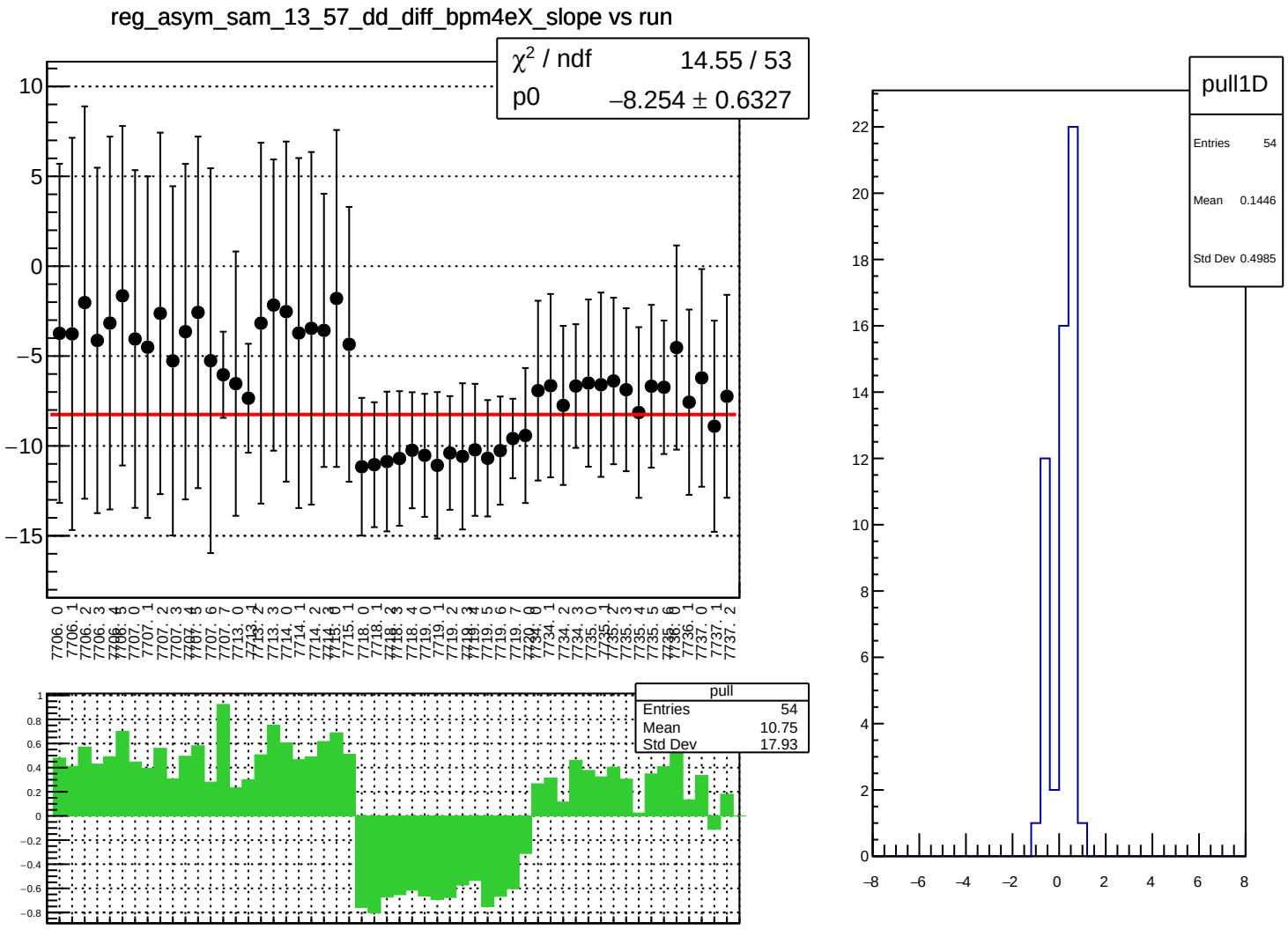

pull1D
Entries 54
Mean −0.2817
Std Dev 1.599

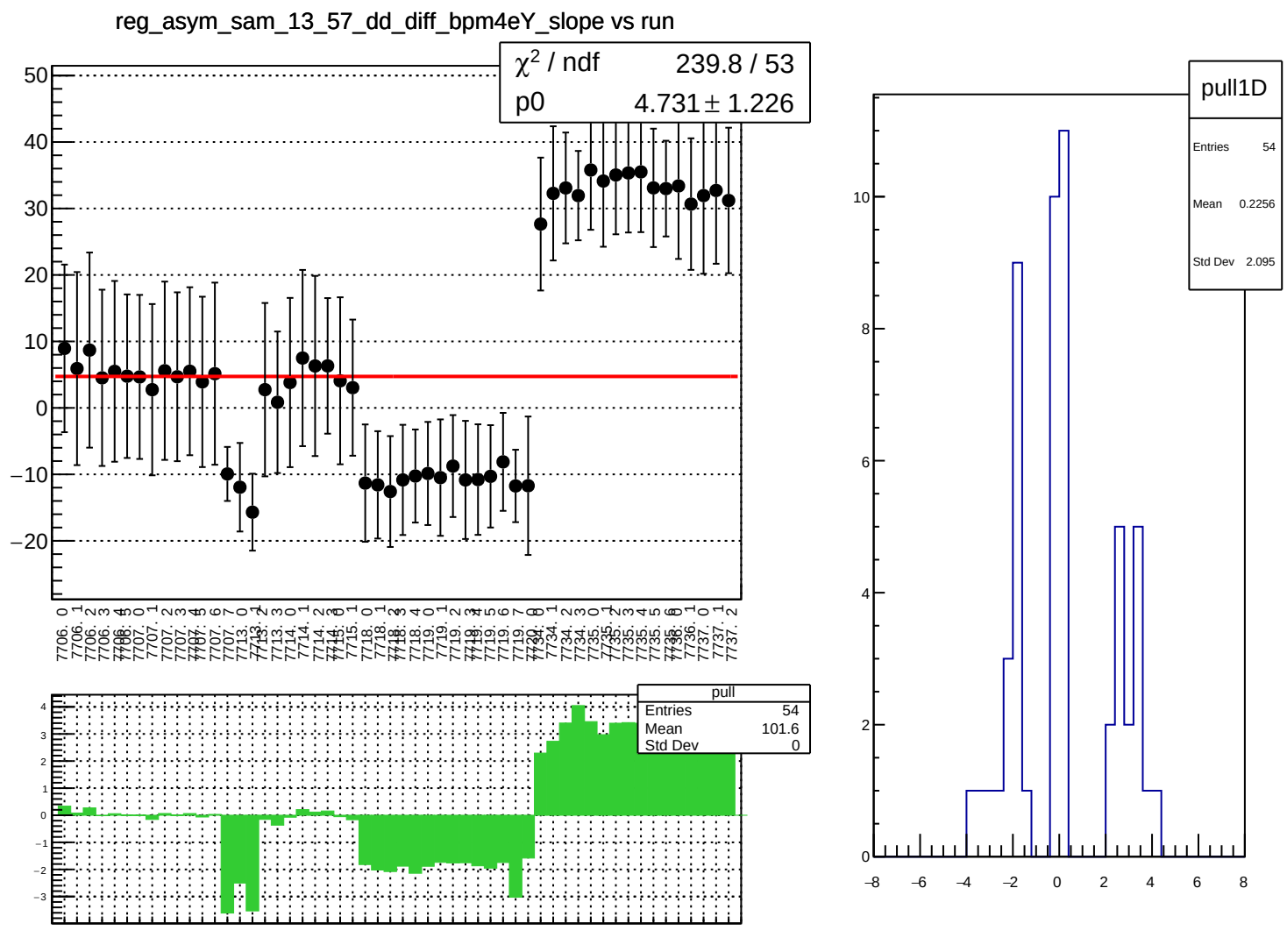

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 14.02 / 53
p0 −0.6394 ± 0.1299
pull
Entries 54
Mean −28.01
Std Dev 0
pull1D
Entries 54
Mean 0.05303
Std Dev 0.5067

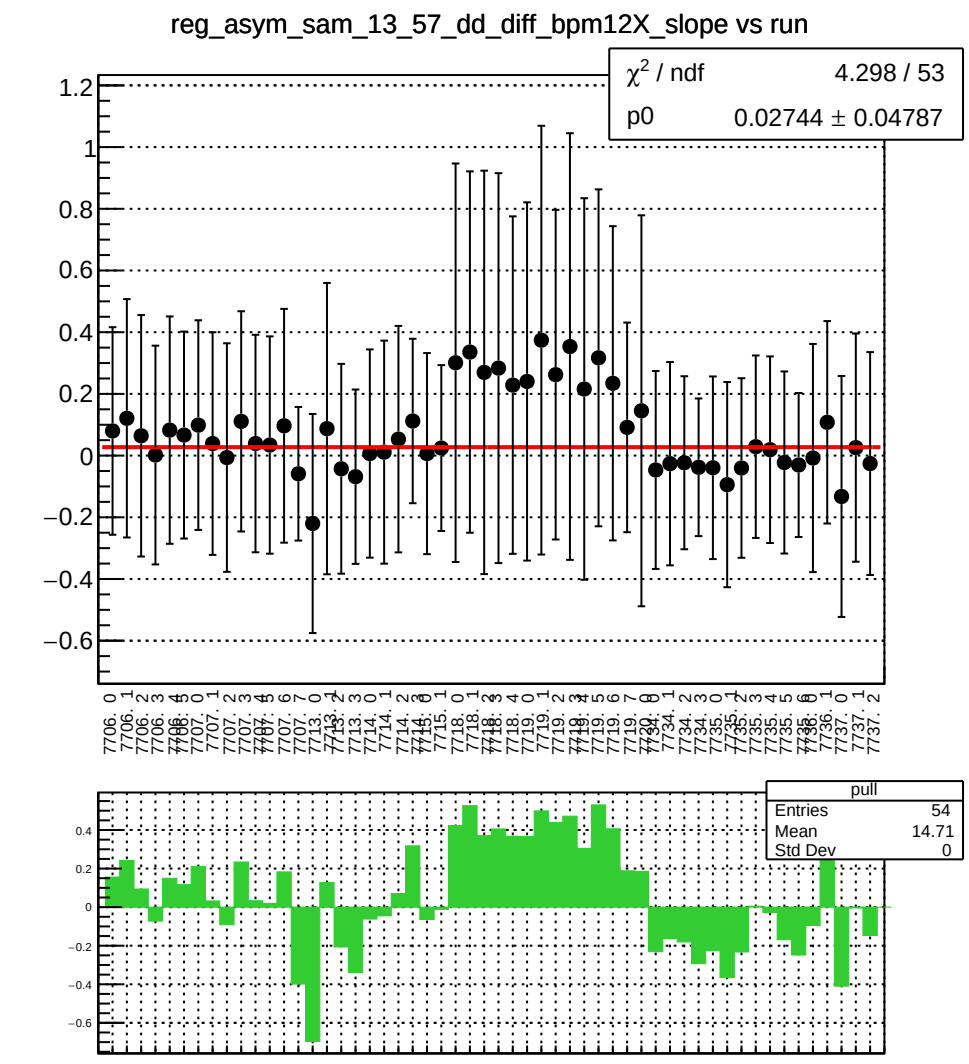

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 31.36 / 53
p0 −14.65 ± 0.7144
pull
Entries 54
Mean −38.8
Std Dev 0

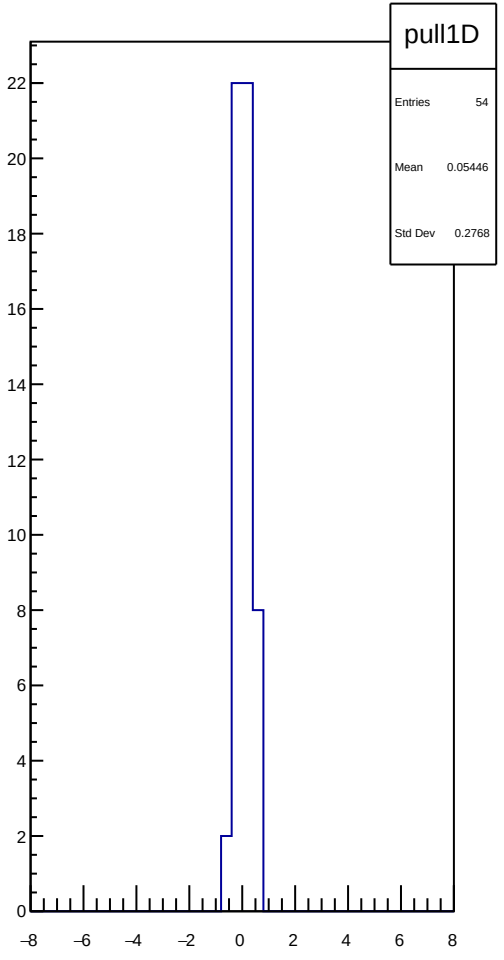

pull1D
Entries 54
Mean −0.1474
Std Dev 0.7476

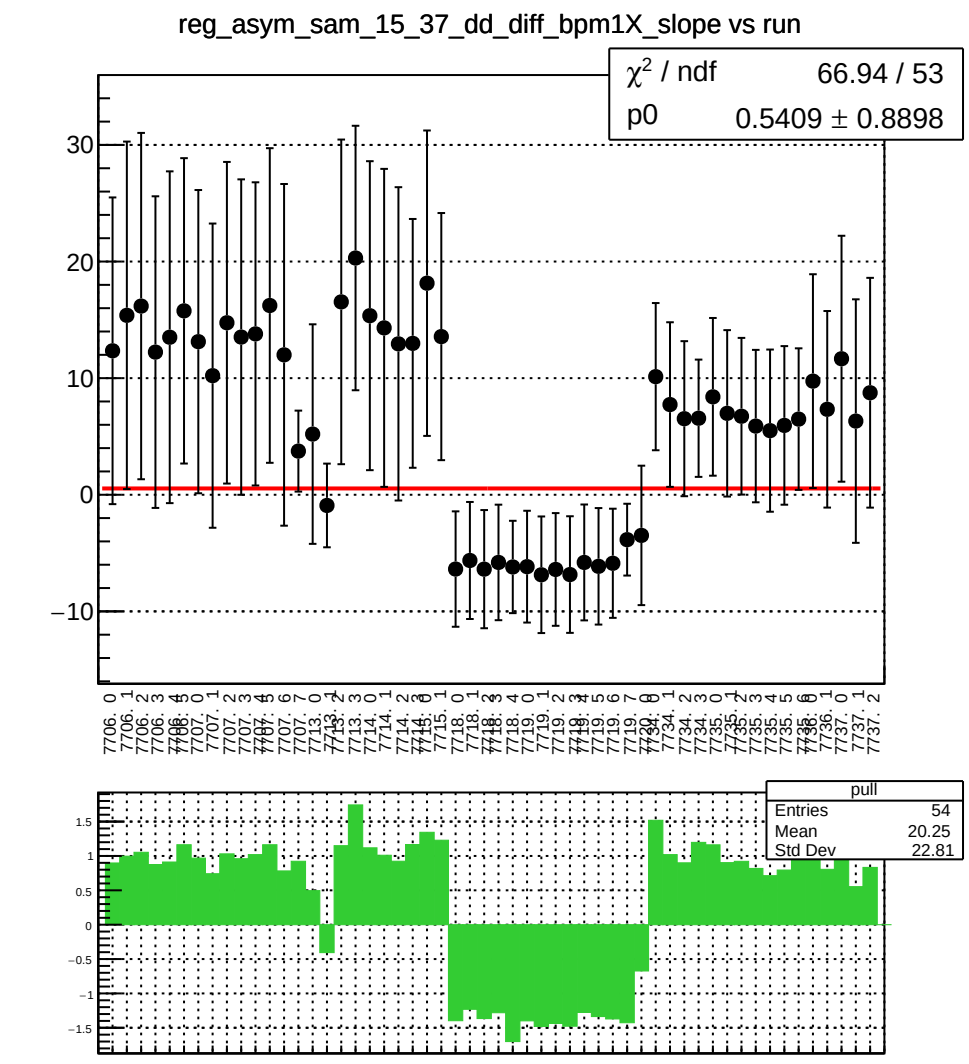

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 194.7 / 53
p0 −39.26 ± 0.7895
pull
Entries 54
Mean 113.2
Std Dev 0
pull1D
Entries 54
Mean −0.1267
Std Dev 1.894

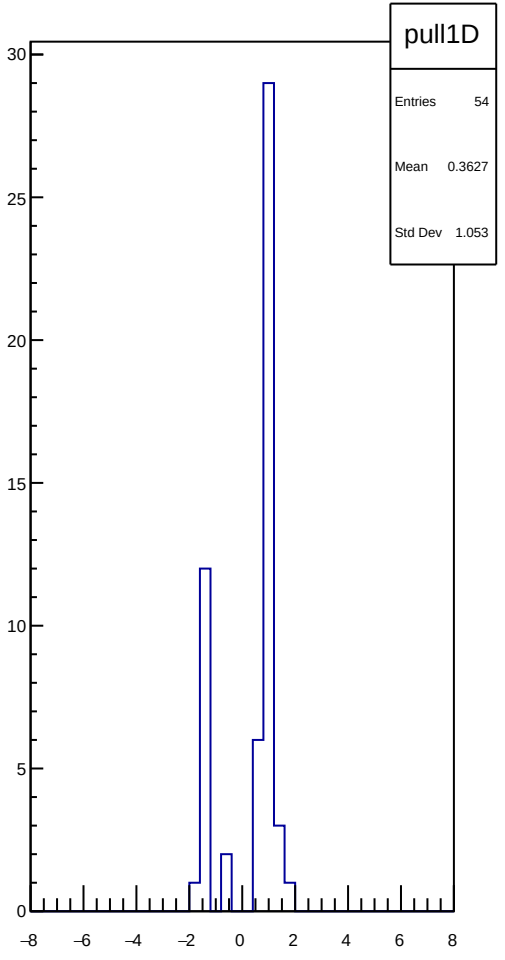

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 53
p0 −8.254 ± 0.6327
pull
Entries 54
Mean 10.75
Std Dev 17.93
pull1D
Entries 54
Mean 0.1446
Std Dev 0.4985

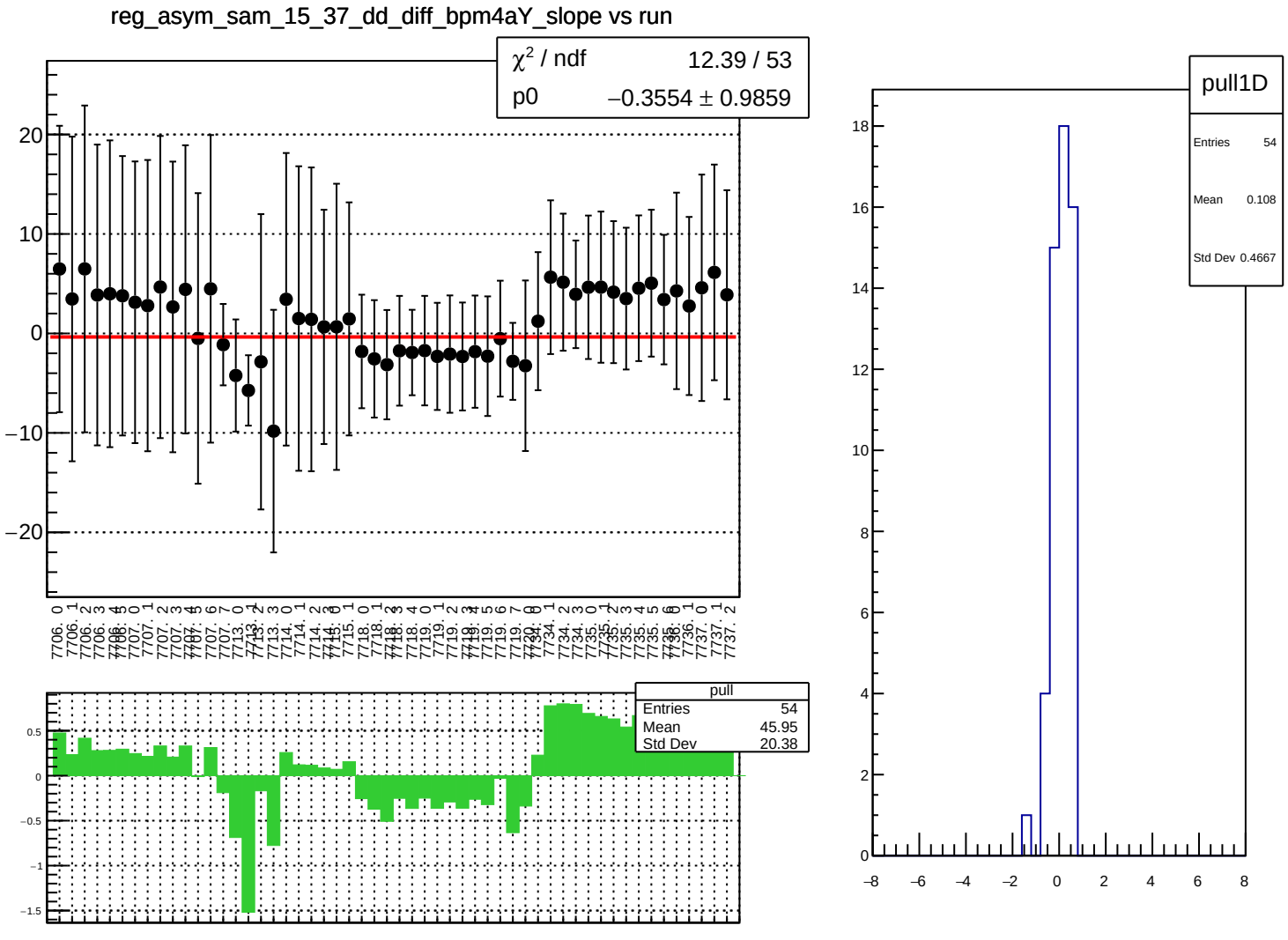

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 239.8 / 53
p0 4.731 ± 1.226
pull
Entries 54
Mean 101.6
Std Dev 0
pull1D
Entries 54
Mean 0.2256
Std Dev 2.095

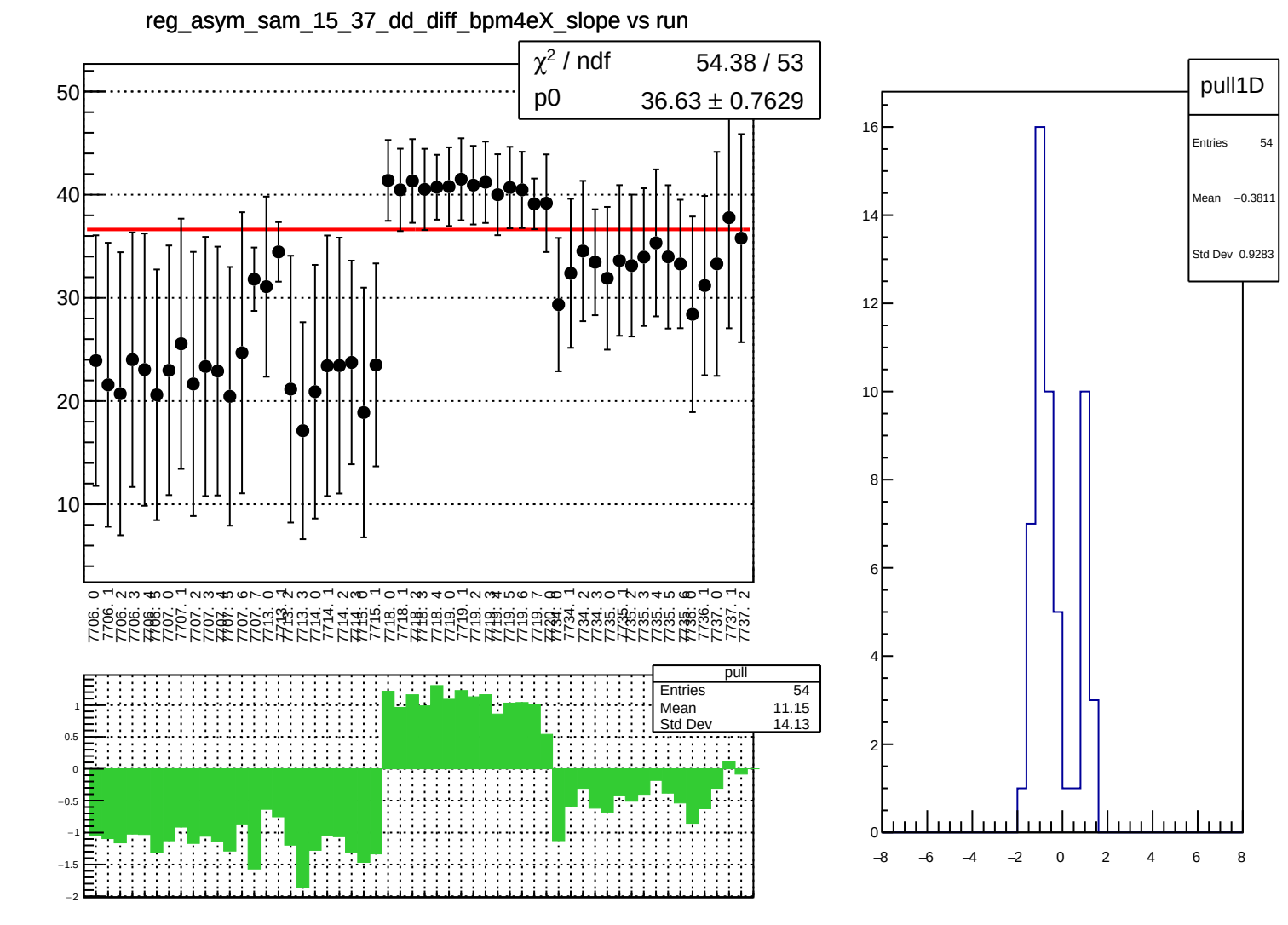

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 4.298 / 53
p0 0.02744 ± 0.04787
pull
Entries 54
Mean 14.71
Std Dev 0

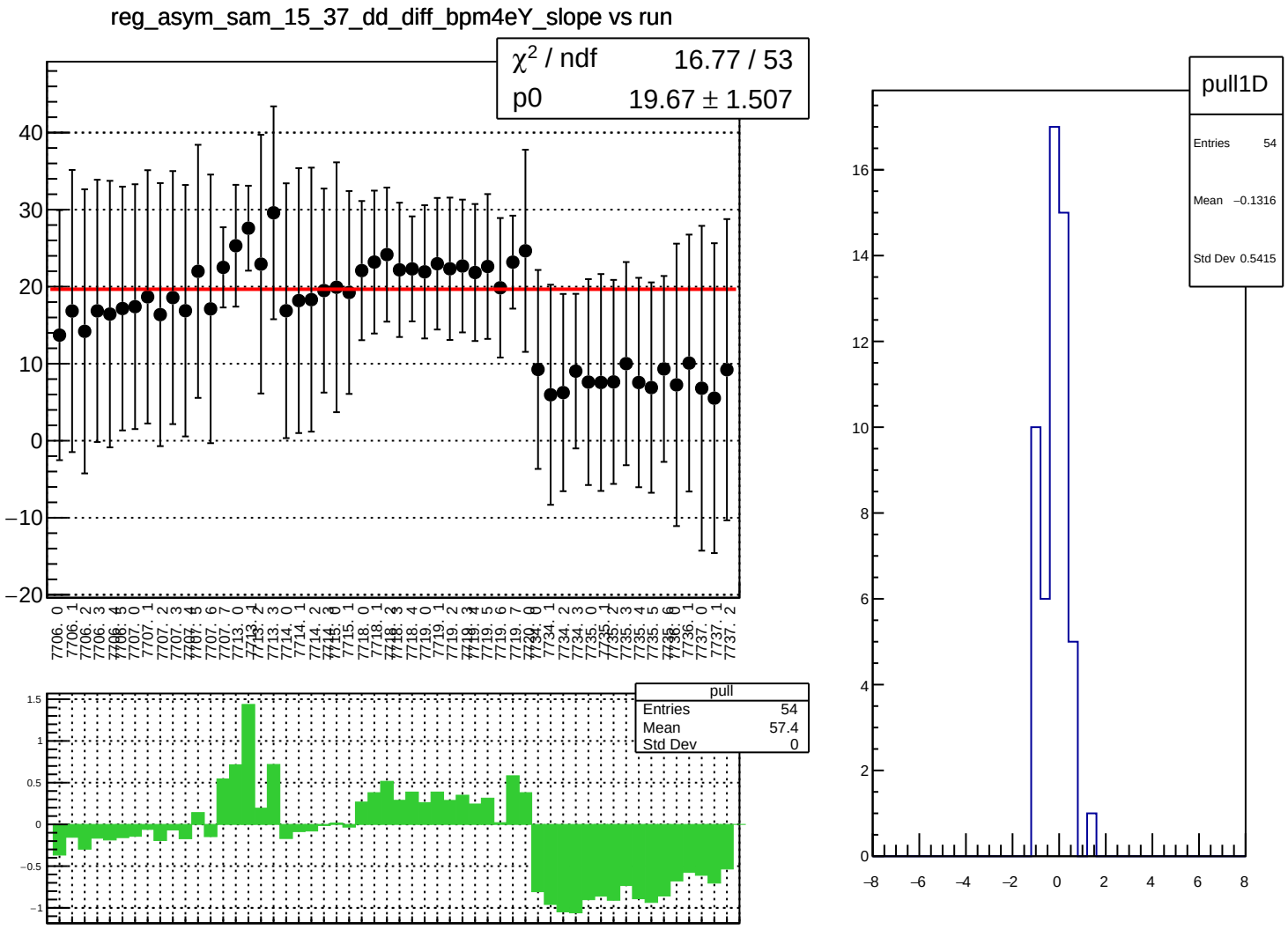

pull1D
Entries 54
Mean 0.05446
Std Dev 0.2768

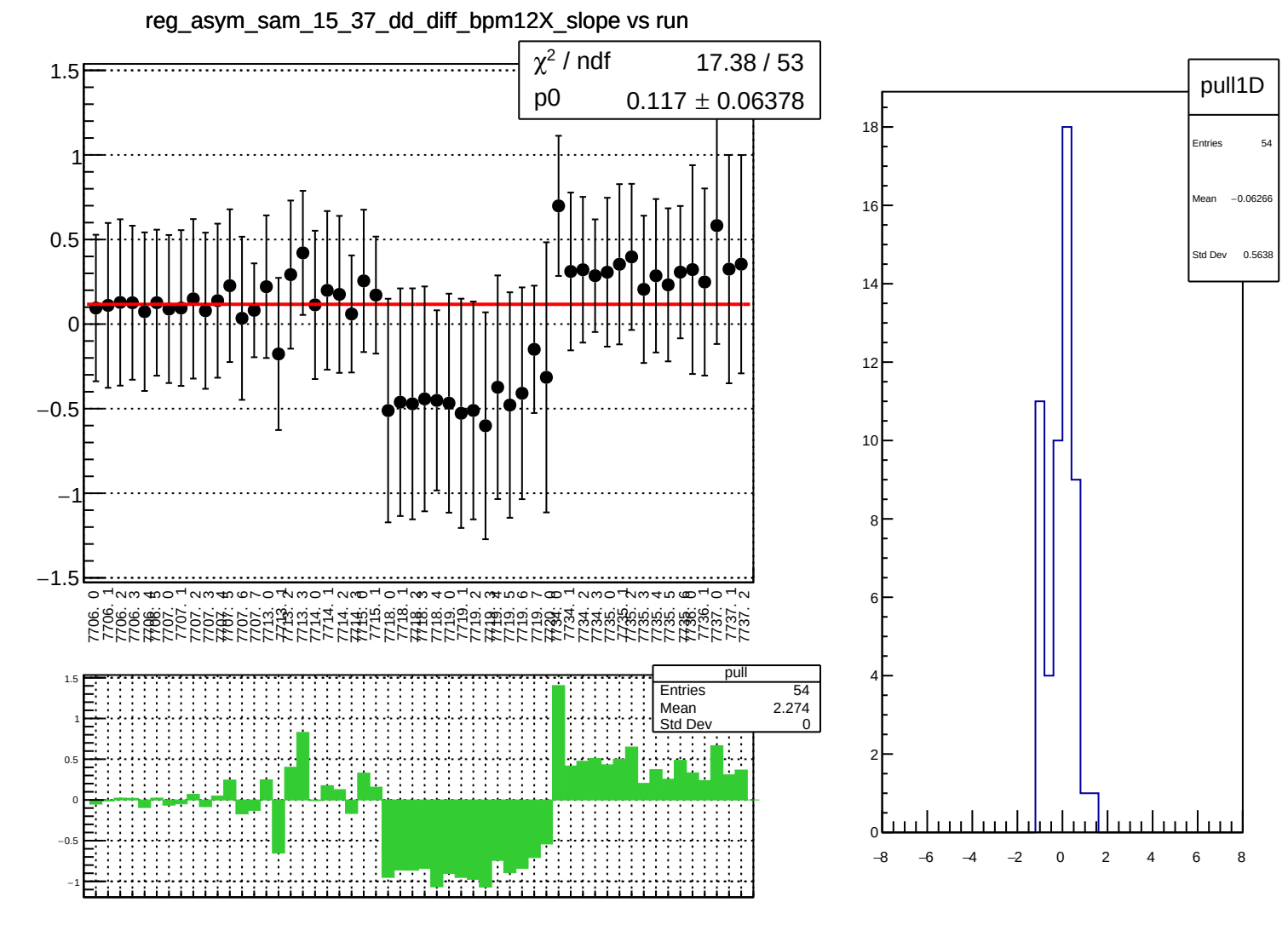

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 66.94 / 53
p0 0.5409 ± 0.8898
pull
Entries 54
Mean 20.25
Std Dev 22.81

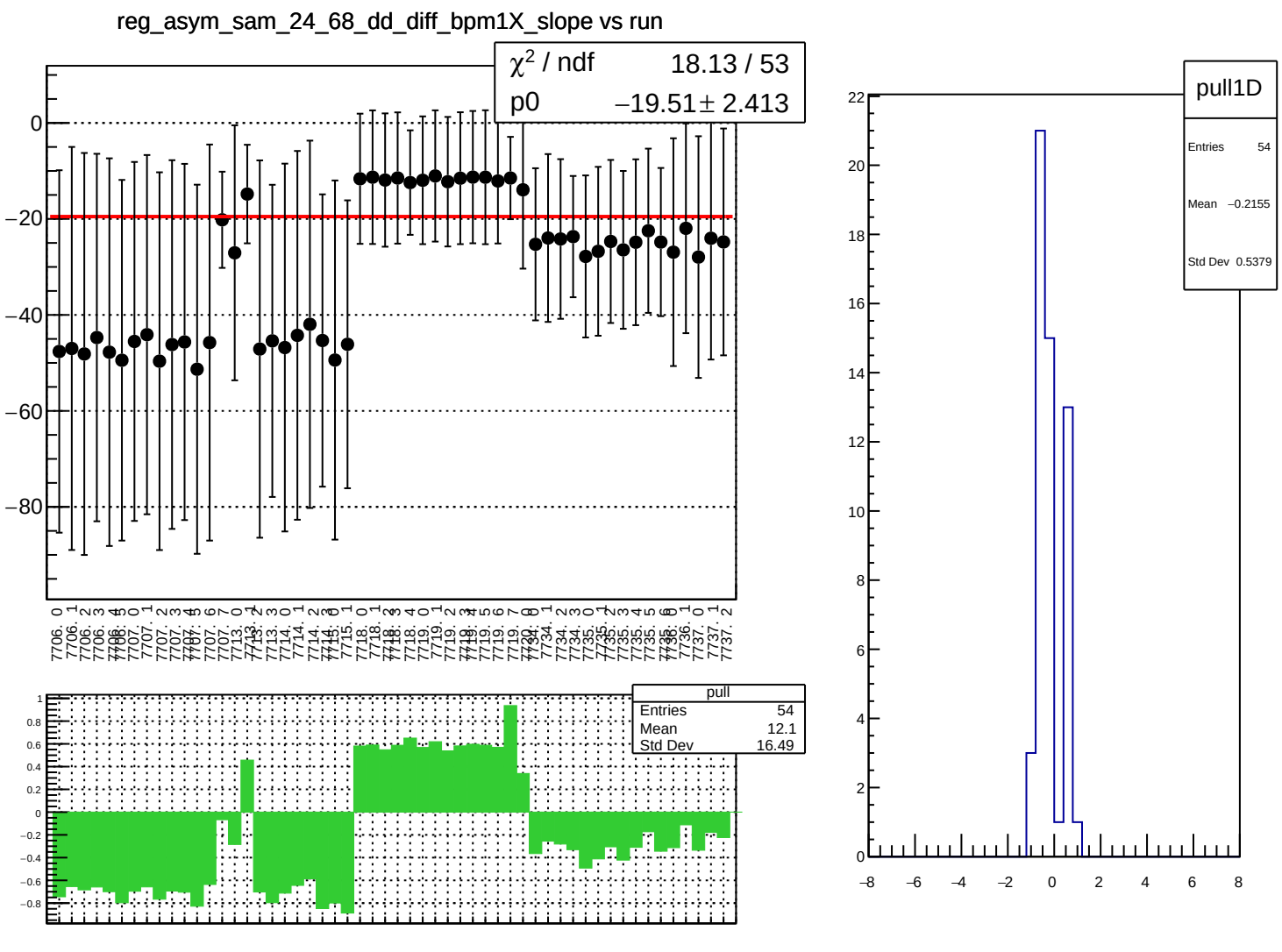

pull1D
Entries 54
Mean 0.3627
Std Dev 1.053

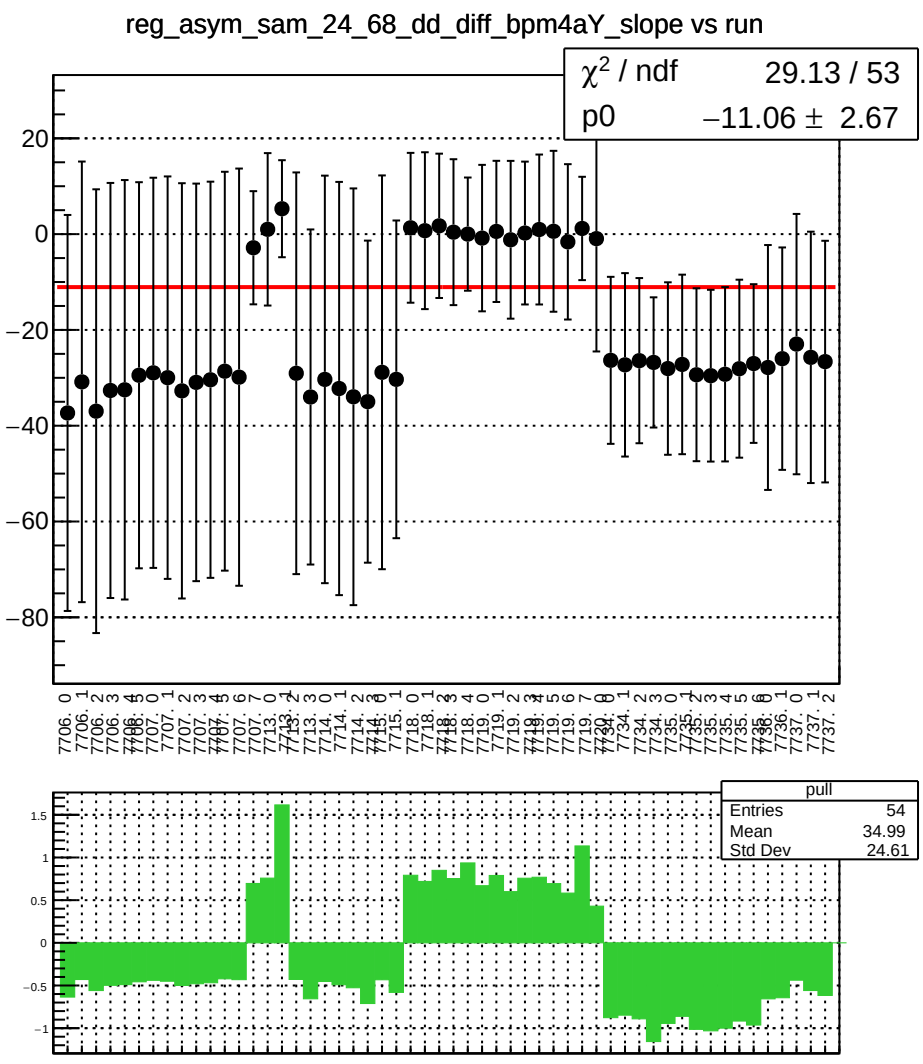

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.39 / 53
p0 −0.3554 ± 0.9859
pull
Entries 54
Mean 45.95
Std Dev 20.38
pull1D
Entries 54
Mean 0.108
Std Dev 0.4667

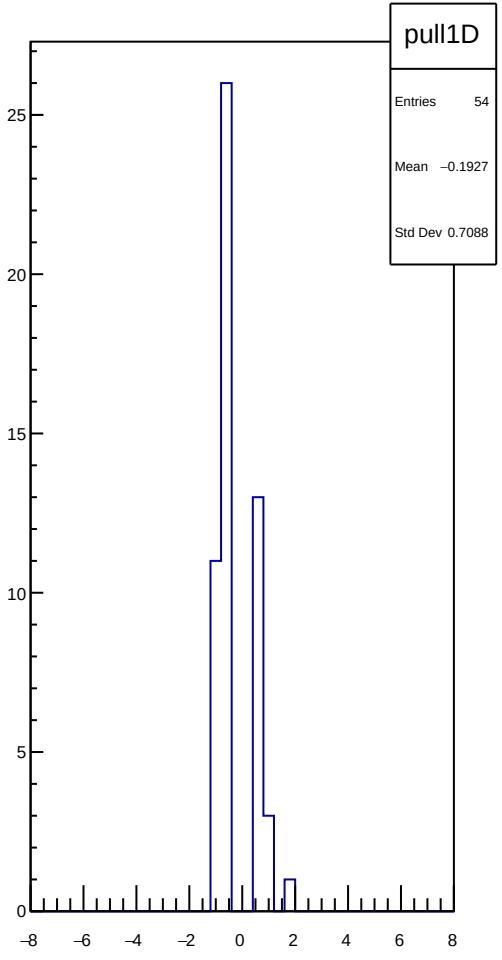

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.38 / 53
p0 36.63 ± 0.7629
pull
Entries 54
Mean 11.15
Std Dev 14.13
pull1D
Entries 54
Mean −0.3811
Std Dev 0.9283

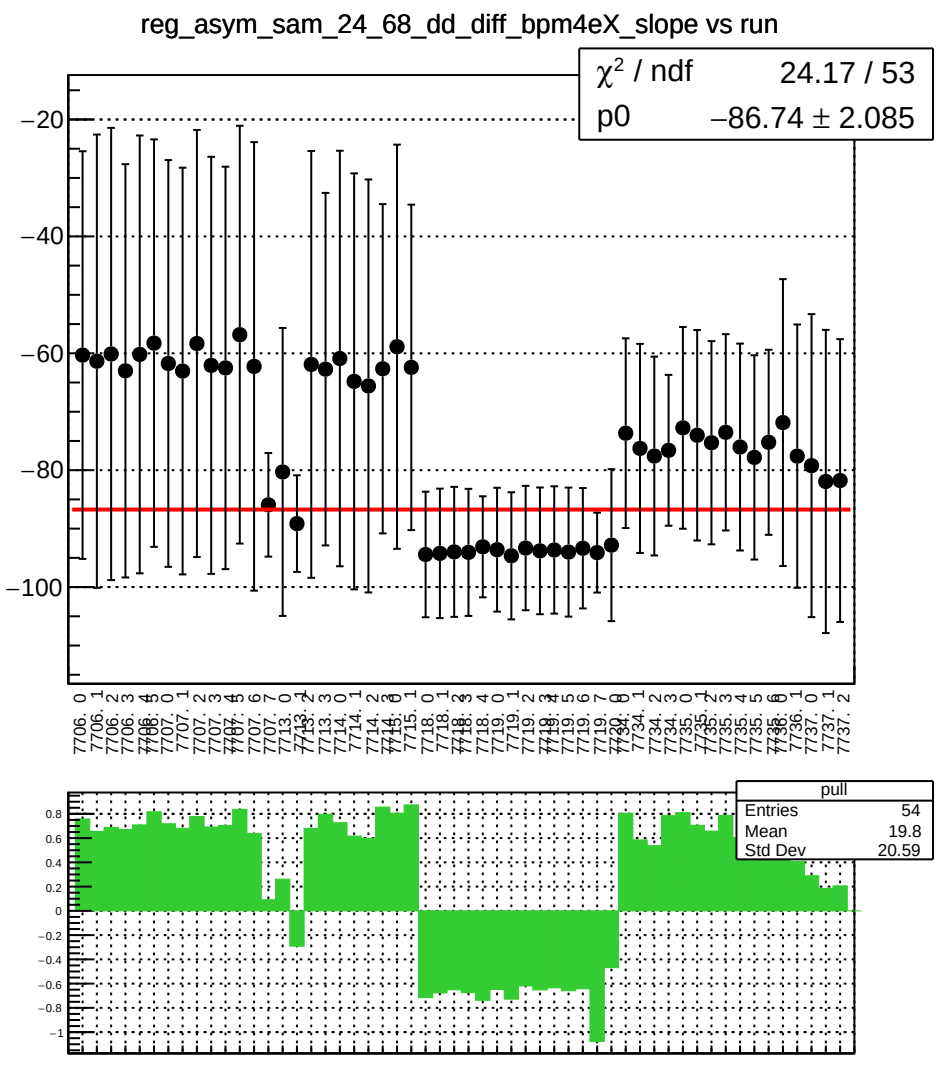

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.77 / 53
p0 19.67 ± 1.507
pull
Entries 54
Mean 57.4
Std Dev 0
pull1D
Entries 54
Mean −0.1316
Std Dev 0.5415

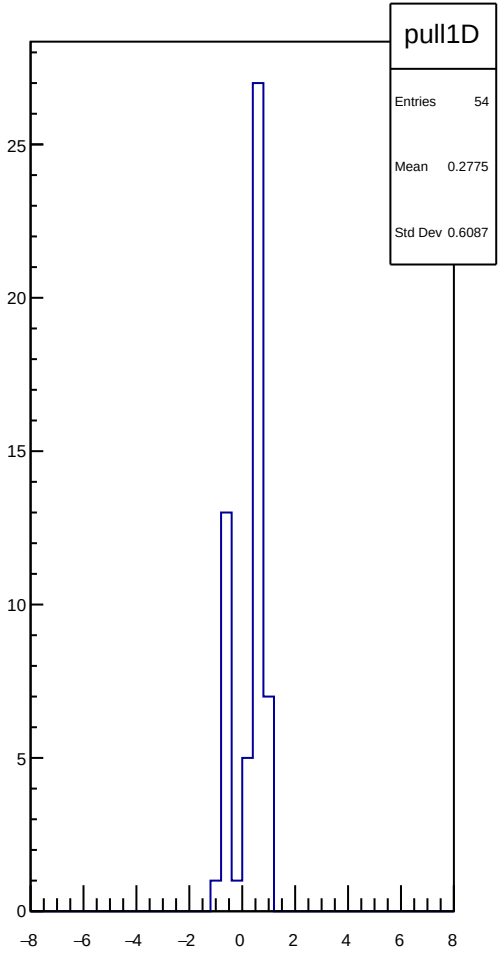

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.38 / 53
p0 0.117 ± 0.06378
pull
Entries 54
Mean 2.274
Std Dev 0
pull1D
Entries 54
Mean −0.06266
Std Dev 0.5638

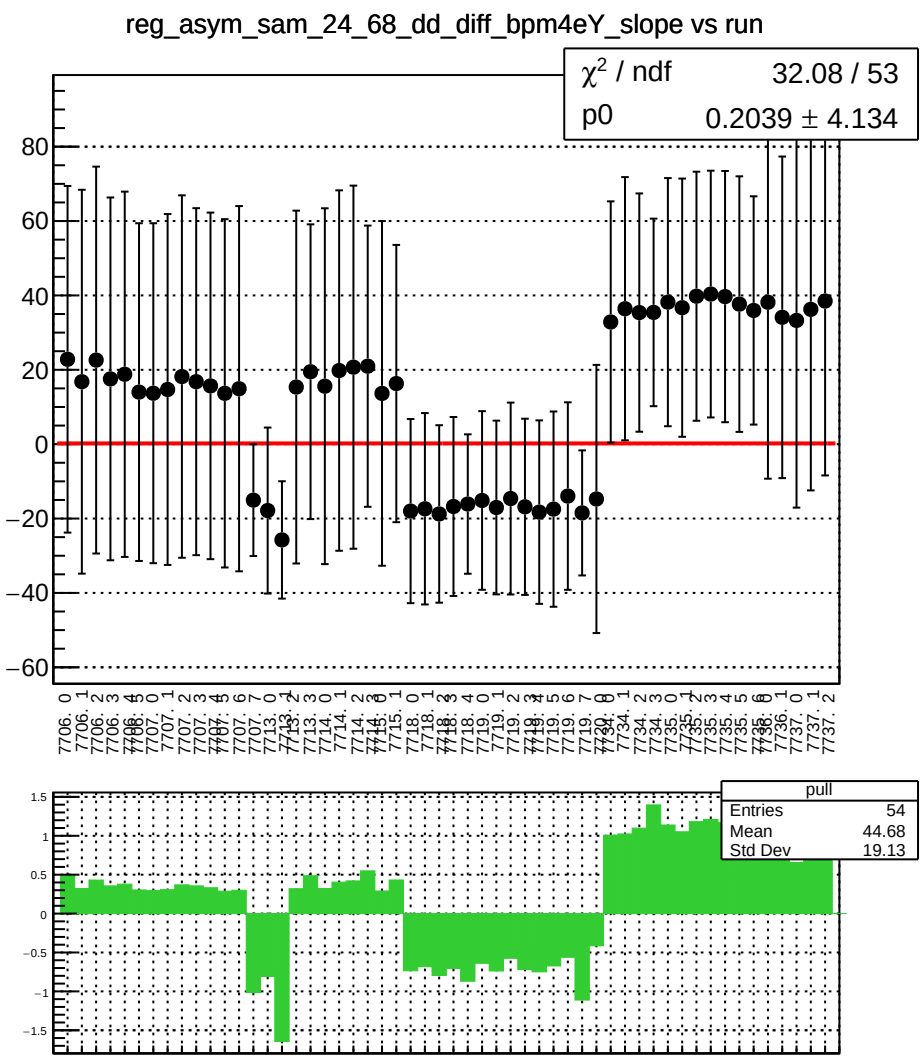

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 18.13 / 53
p0 −19.51 ± 2.413
pull
Entries 54
Mean 12.1
Std Dev 16.49
pull1D
Entries 54
Mean −0.2155
Std Dev 0.5379

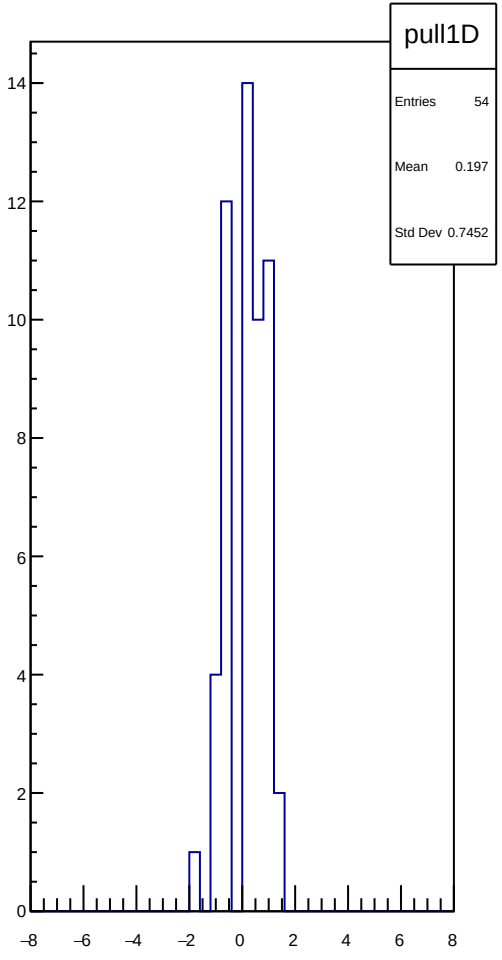

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.13 / 53
p0 −11.06 ± 2.67
pull
Entries 54
Mean 34.99
Std Dev 24.61

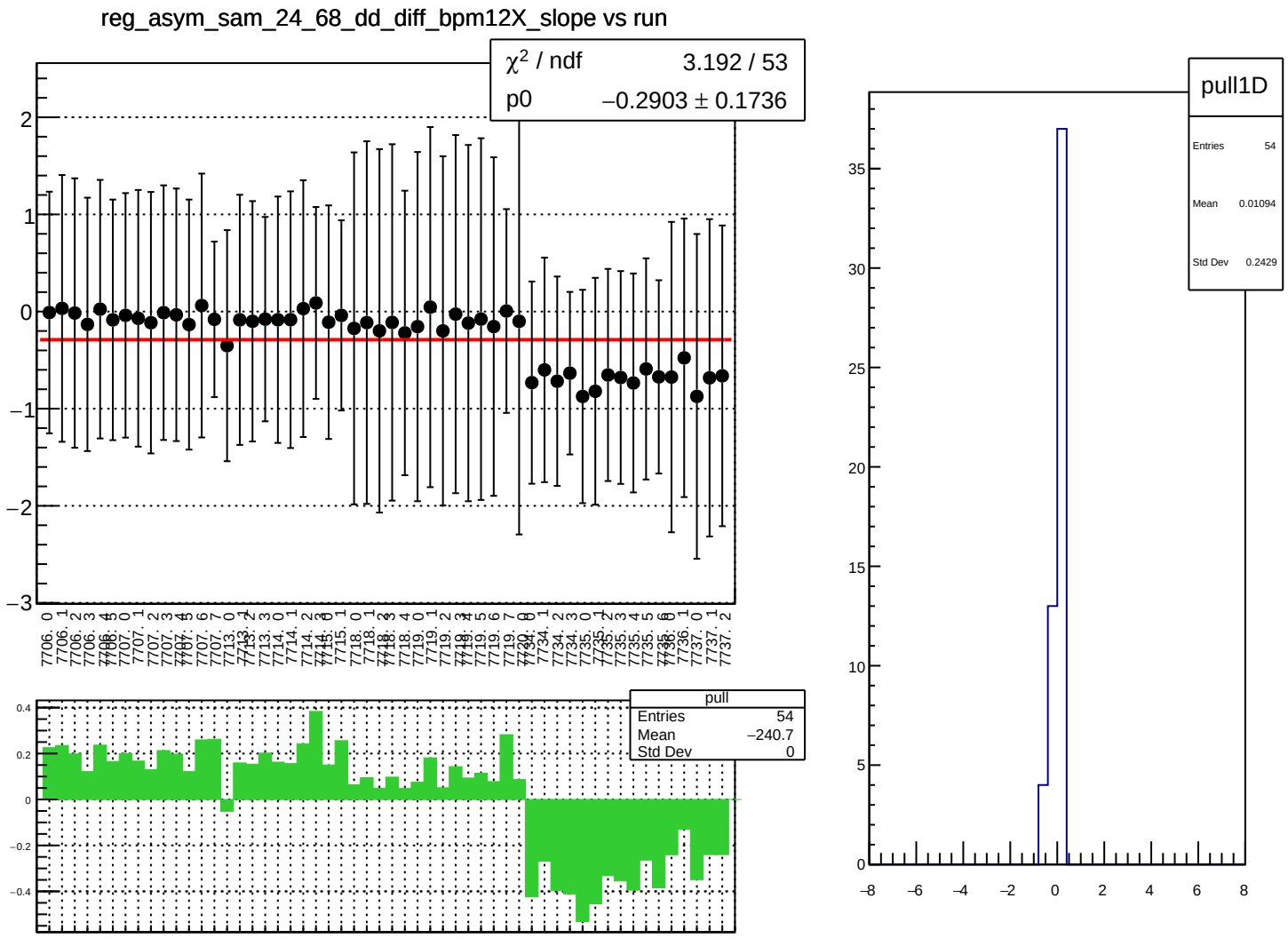

pull1D
Entries 54
Mean −0.1927
Std Dev 0.7088

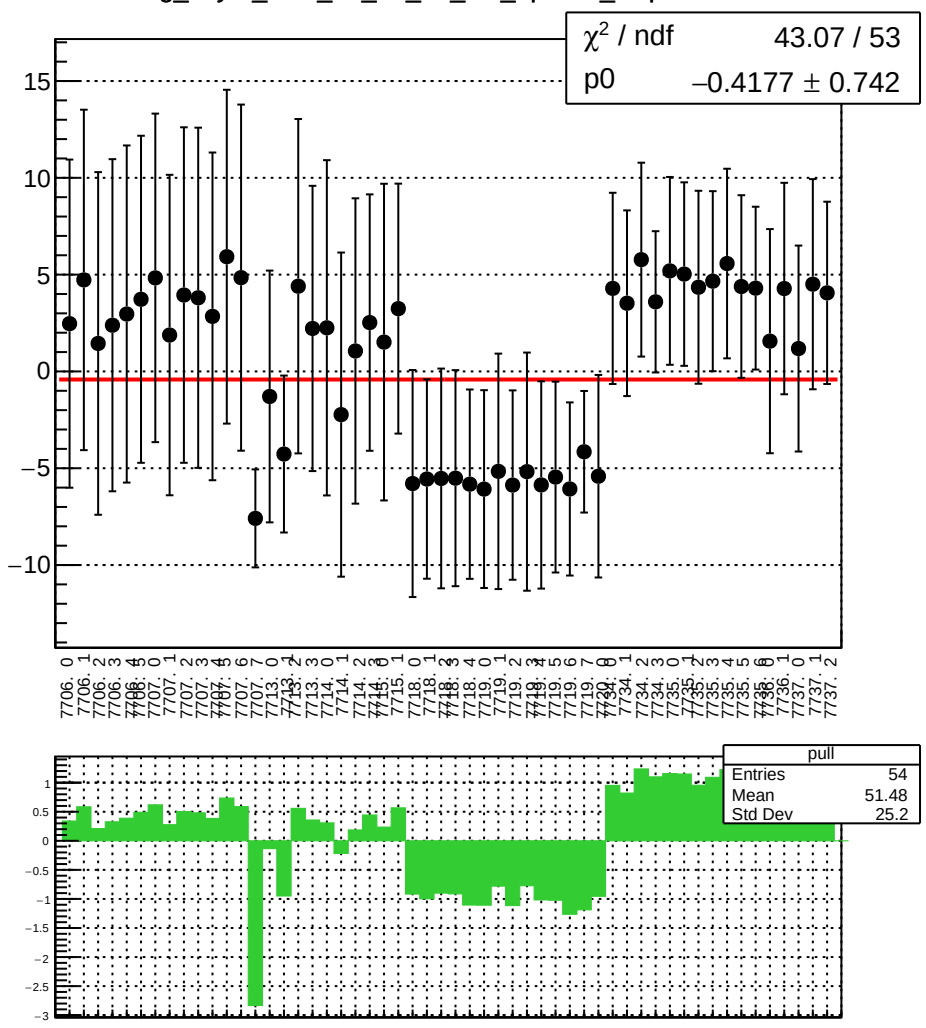

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.17 / 53
p0 −86.74 ± 2.085
pull
Entries 54
Mean 19.8
Std Dev 20.59

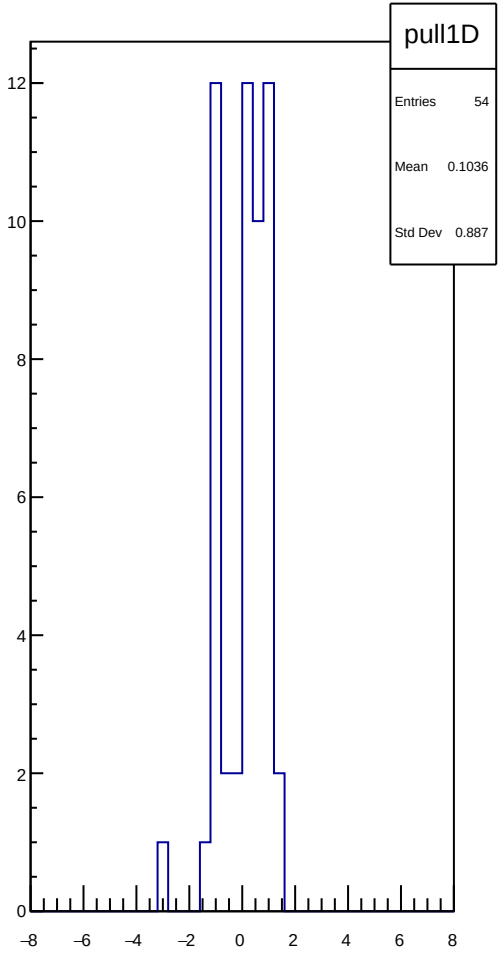

pull1D
Entries 54
Mean 0.2775
Std Dev 0.6087

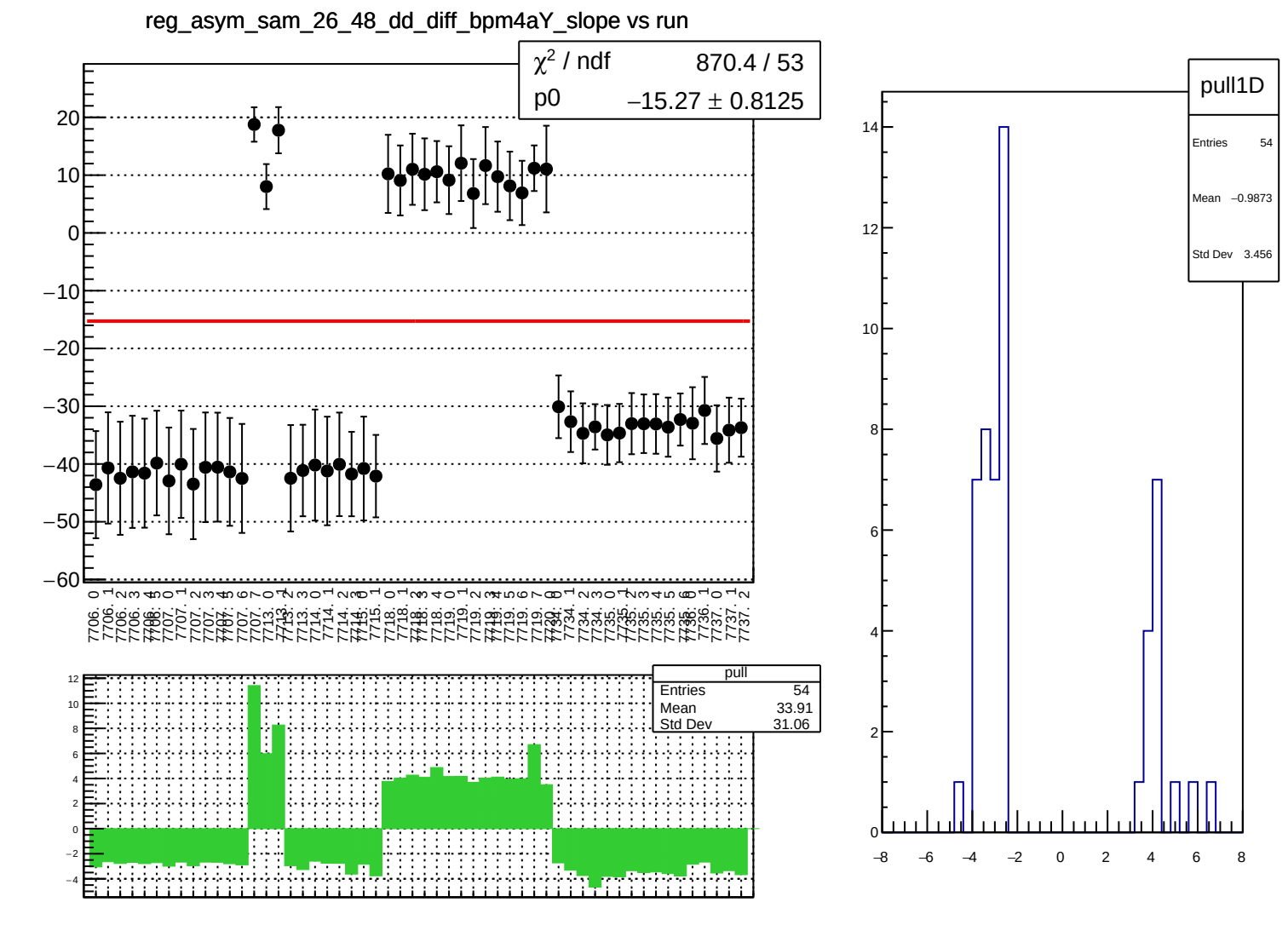

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.08 / 53
p0 0.2039 ± 4.134
pull
Entries 54
Mean 44.68
Std Dev 19.13

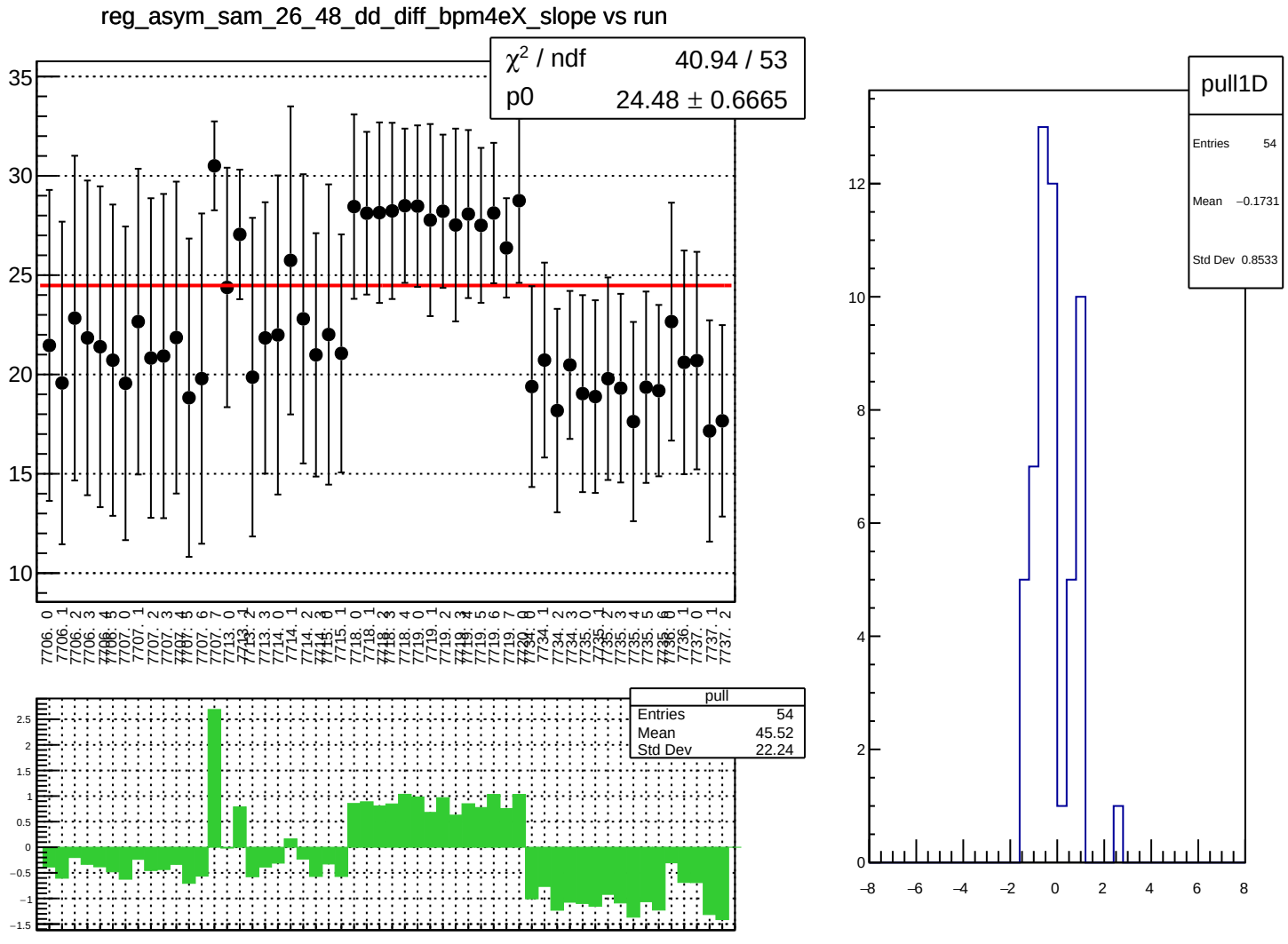

pull1D
Entries 54
Mean 0.197
Std Dev 0.7452

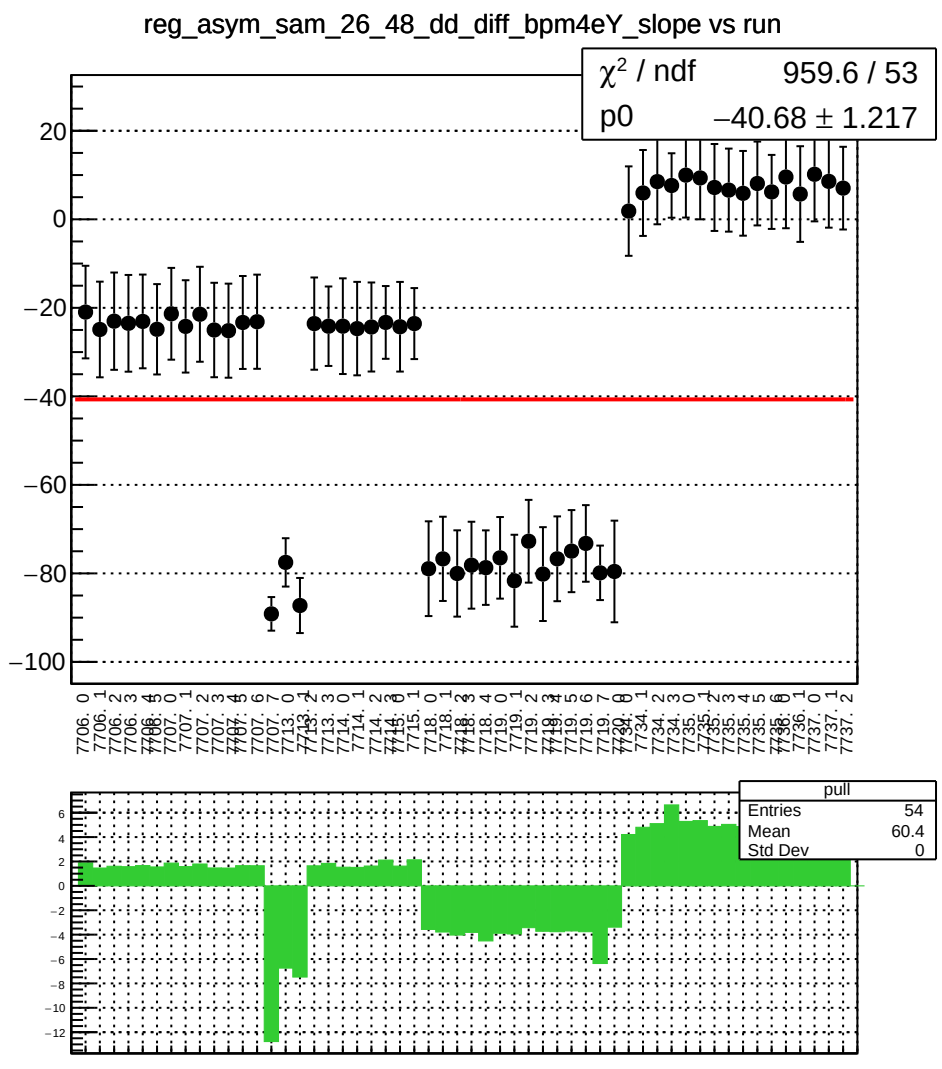

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.192 / 53
p0 −0.2903 ± 0.1736
pull
Entries 54
Mean −240.7
Std Dev 0
pull1D
Entries 54
Mean 0.01094
Std Dev 0.2429

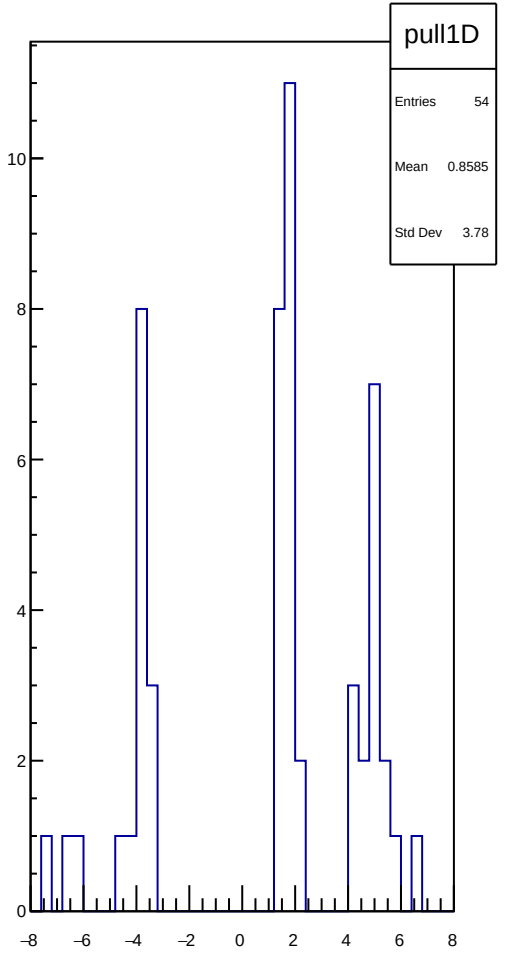

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 43.07 / 53
p0 −0.4177 ± 0.742
pull
Entries 54
Mean 51.48
Std Dev 25.2

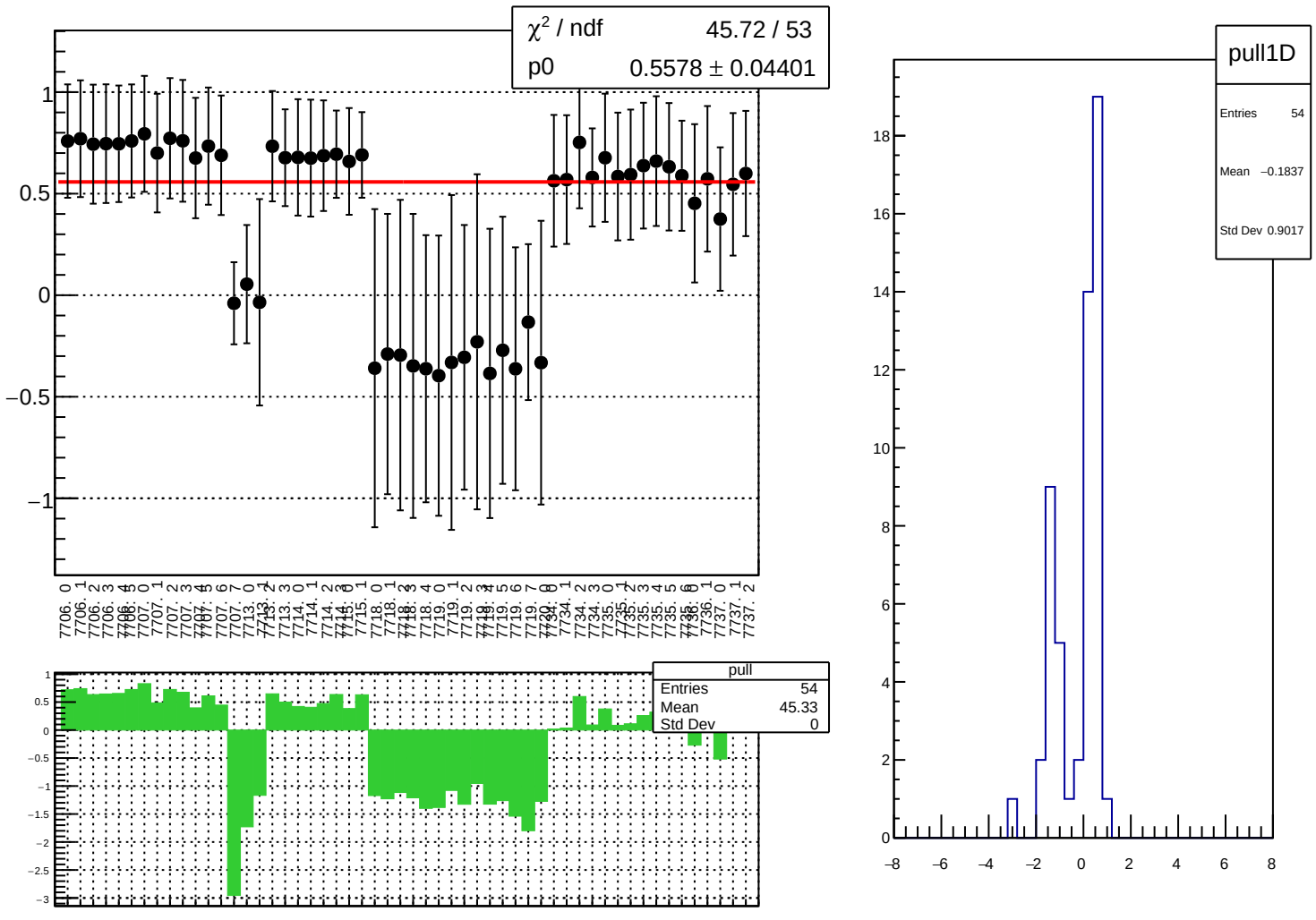

pull1D
Entries 54
Mean 0.1036
Std Dev 0.887

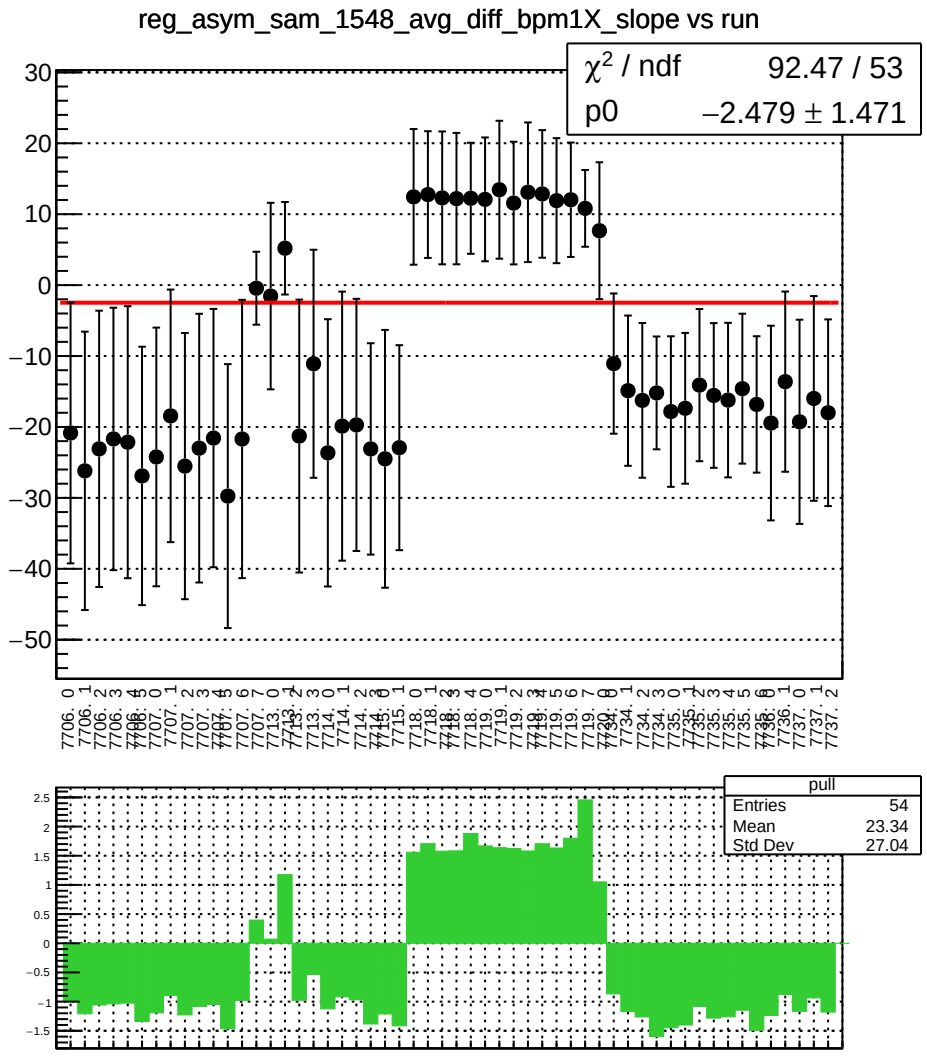

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 870.4 / 53
p0 −15.27 ± 0.8125
pull
Entries 54
Mean 33.91
Std Dev 31.06
pull1D
Entries 54
Mean −0.9873
Std Dev 3.456

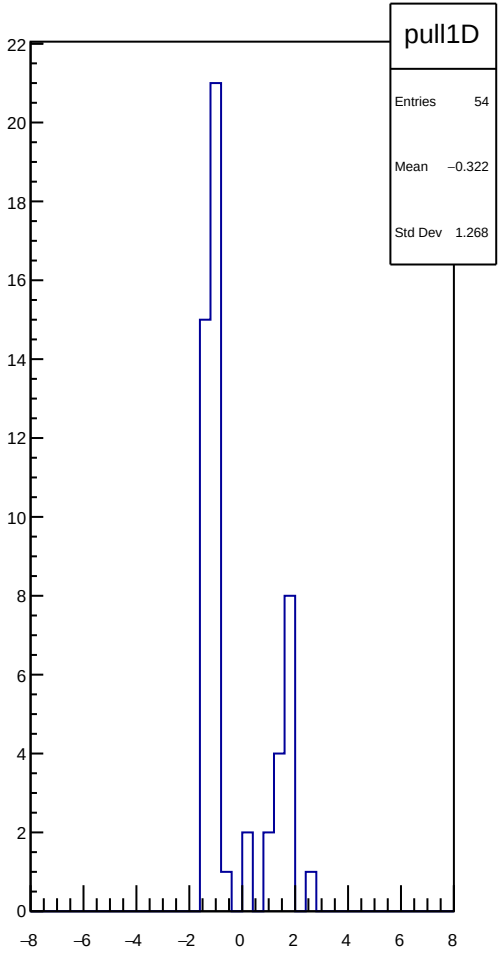

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.94 / 53
p0 24.48 ± 0.6665
pull
Entries 54
Mean 45.52
Std Dev 22.24
pull1D
Entries 54
Mean −0.1731
Std Dev 0.8533

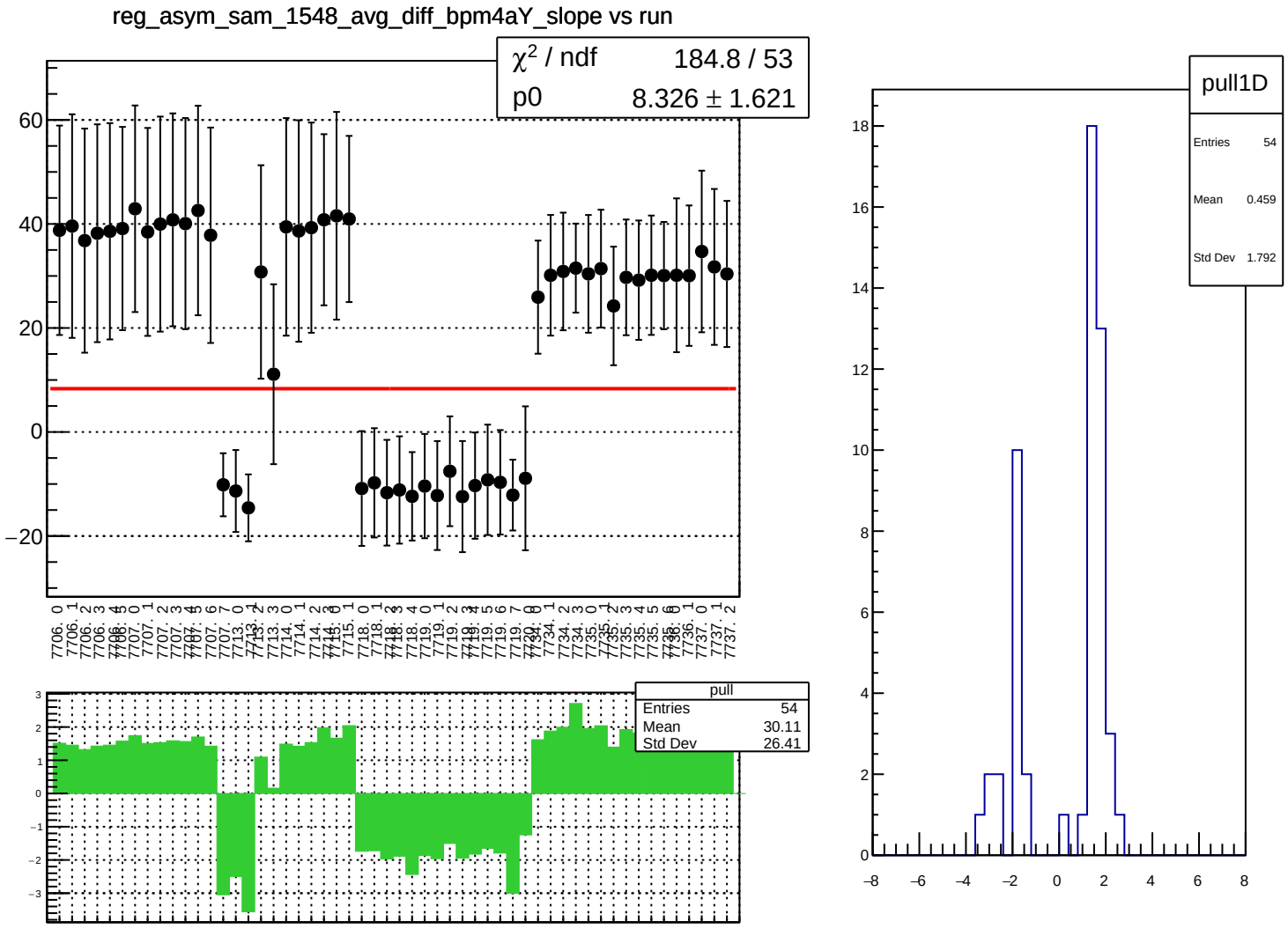

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 959.6 / 53
p0 −40.68 ± 1.217
pull
Entries 54
Mean 60.4
Std Dev 0

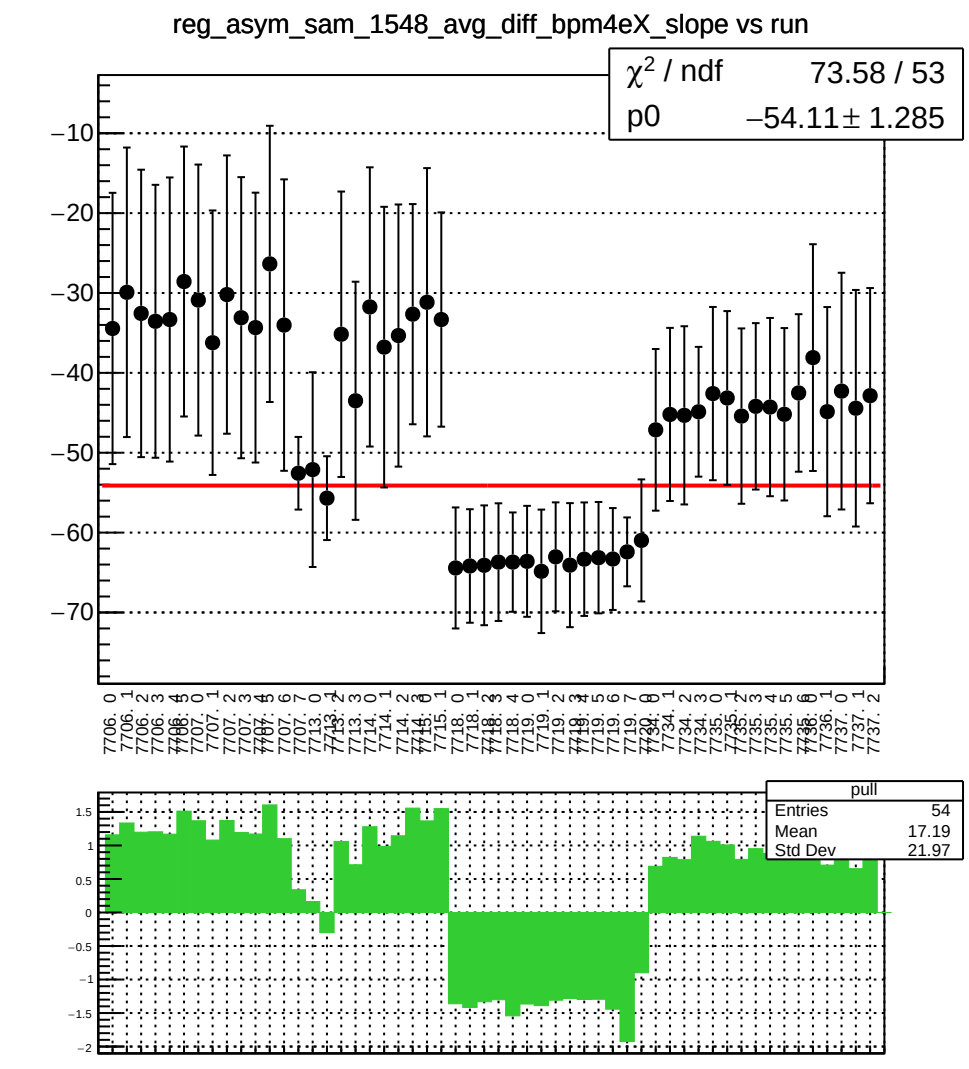

pull1D
Entries 54
Mean 0.8585
Std Dev 3.78

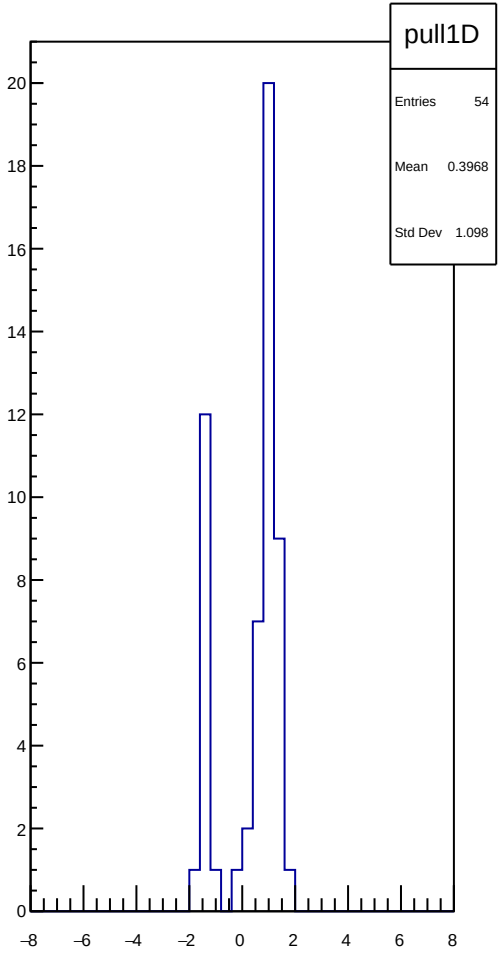

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 45.72 / 53
p0 0.5578 ± 0.04401
pull
Entries 54
Mean 45.33
Std Dev 0
pull1D
Entries 54
Mean −0.1837
Std Dev 0.9017

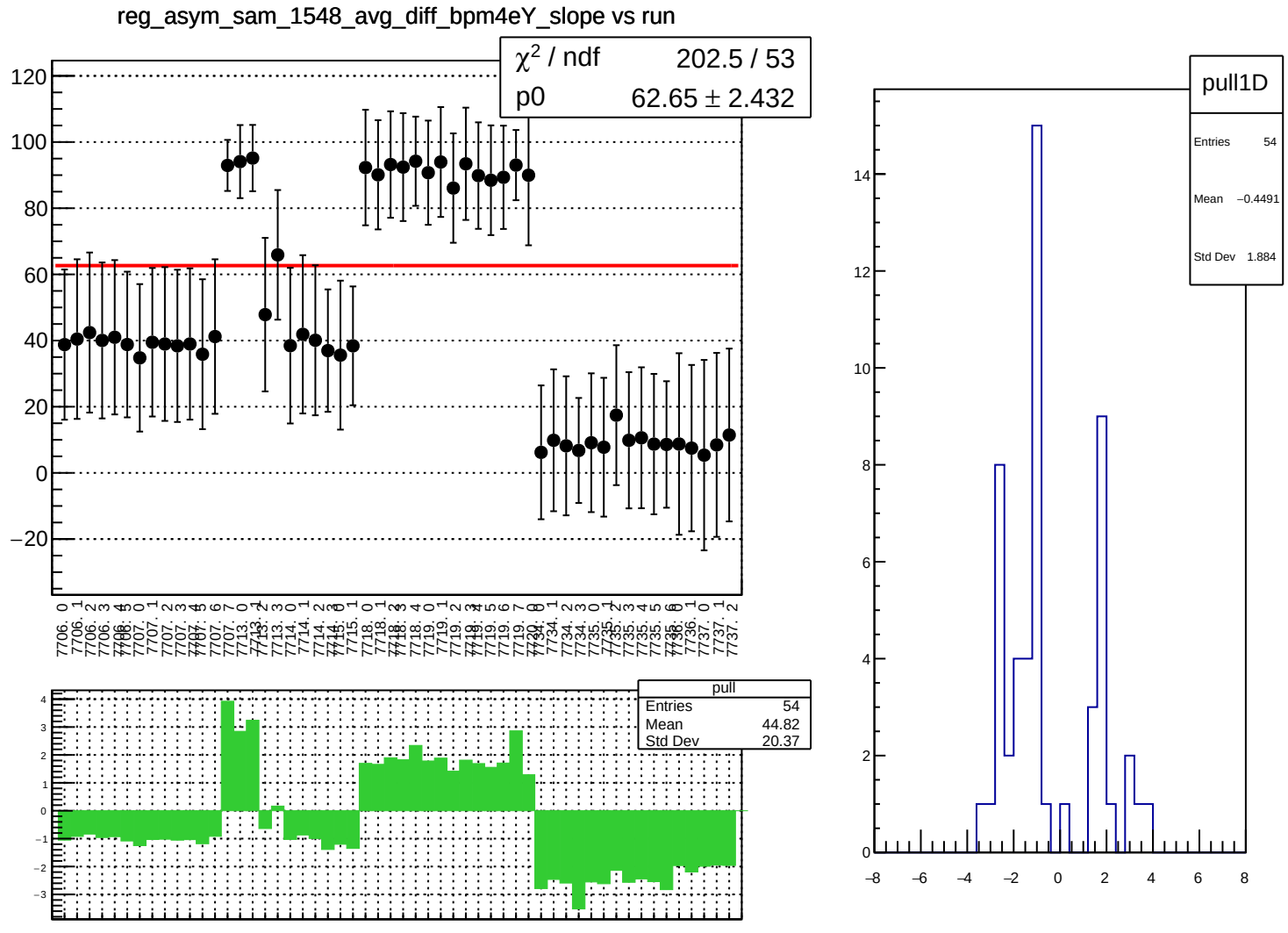

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 92.47 / 53
p0 −2.479 ± 1.471
pull
Entries 54
Mean 23.34
Std Dev 27.04

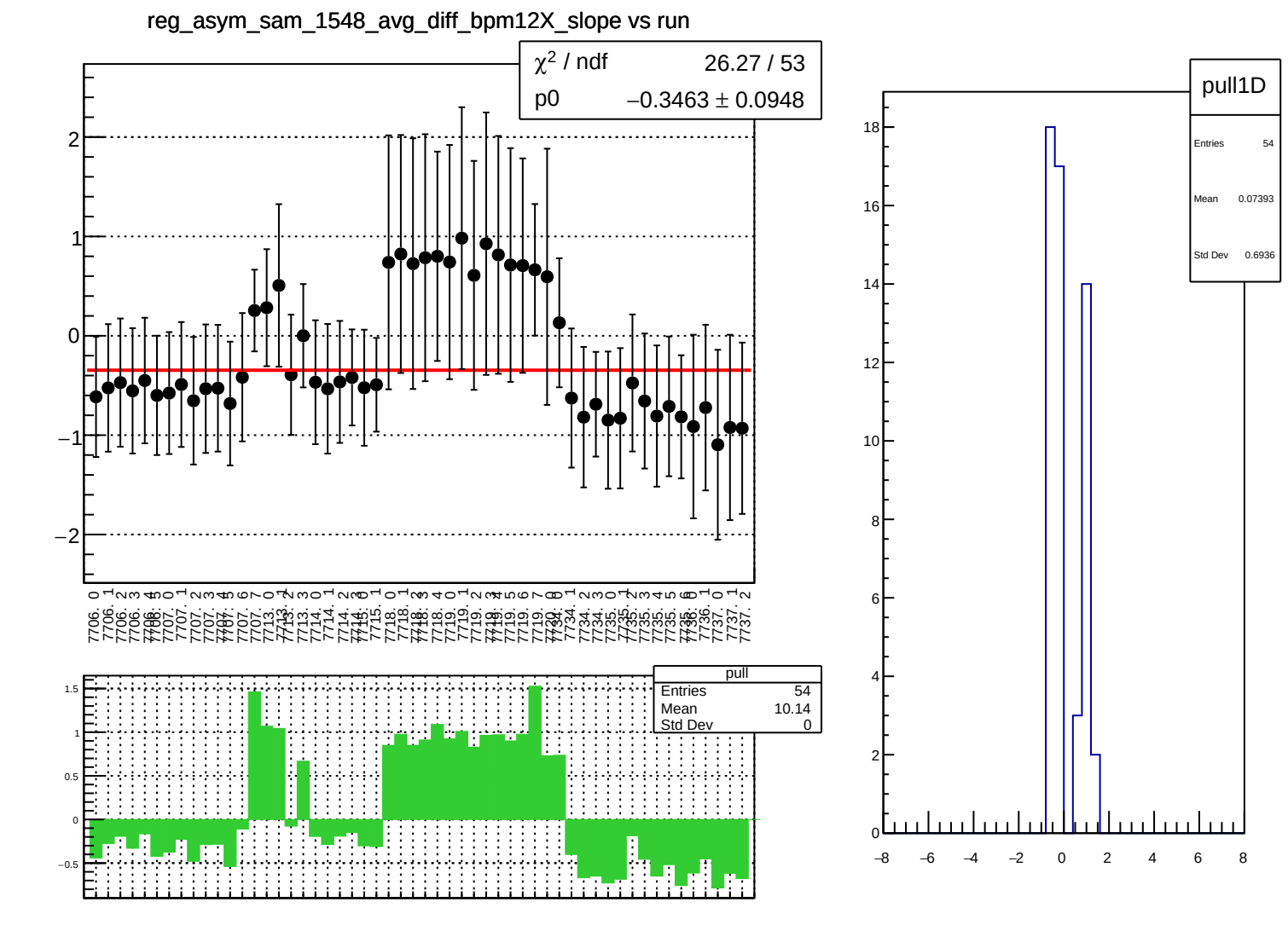

pull1D
Entries 54
Mean −0.322
Std Dev 1.268

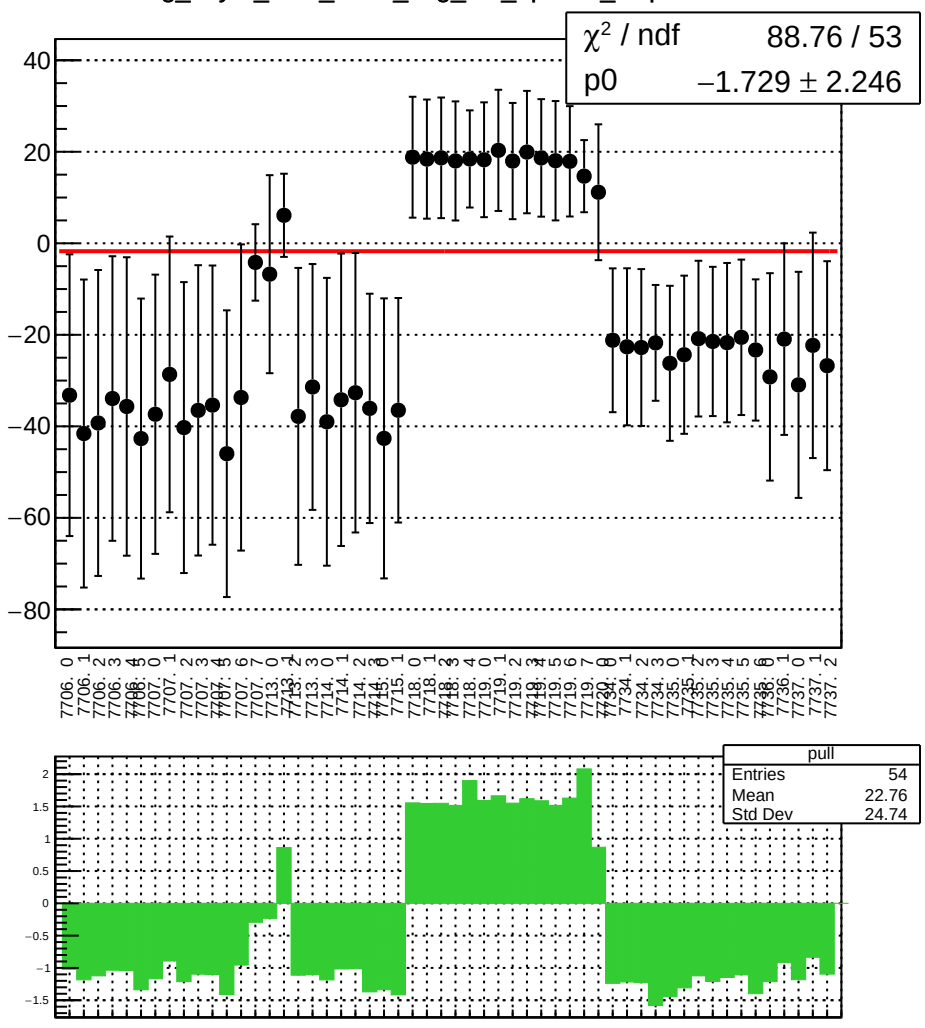

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 184.8 / 53
p0 8.326 ± 1.621
pull
Entries 54
Mean 30.11
Std Dev 26.41
pull1D
Entries 54
Mean 0.459
Std Dev 1.792

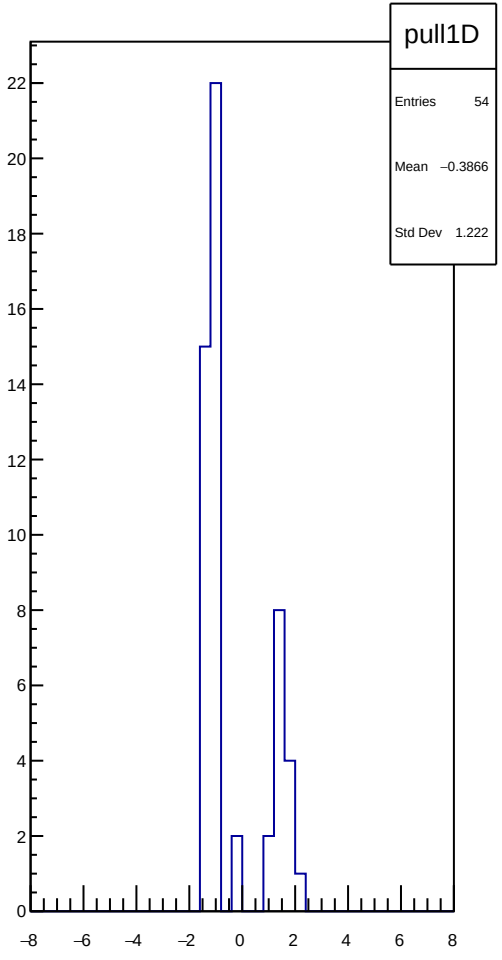

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.58 / 53
p0 −54.11± 1.285
pull
Entries 54
Mean 17.19
Std Dev 21.97

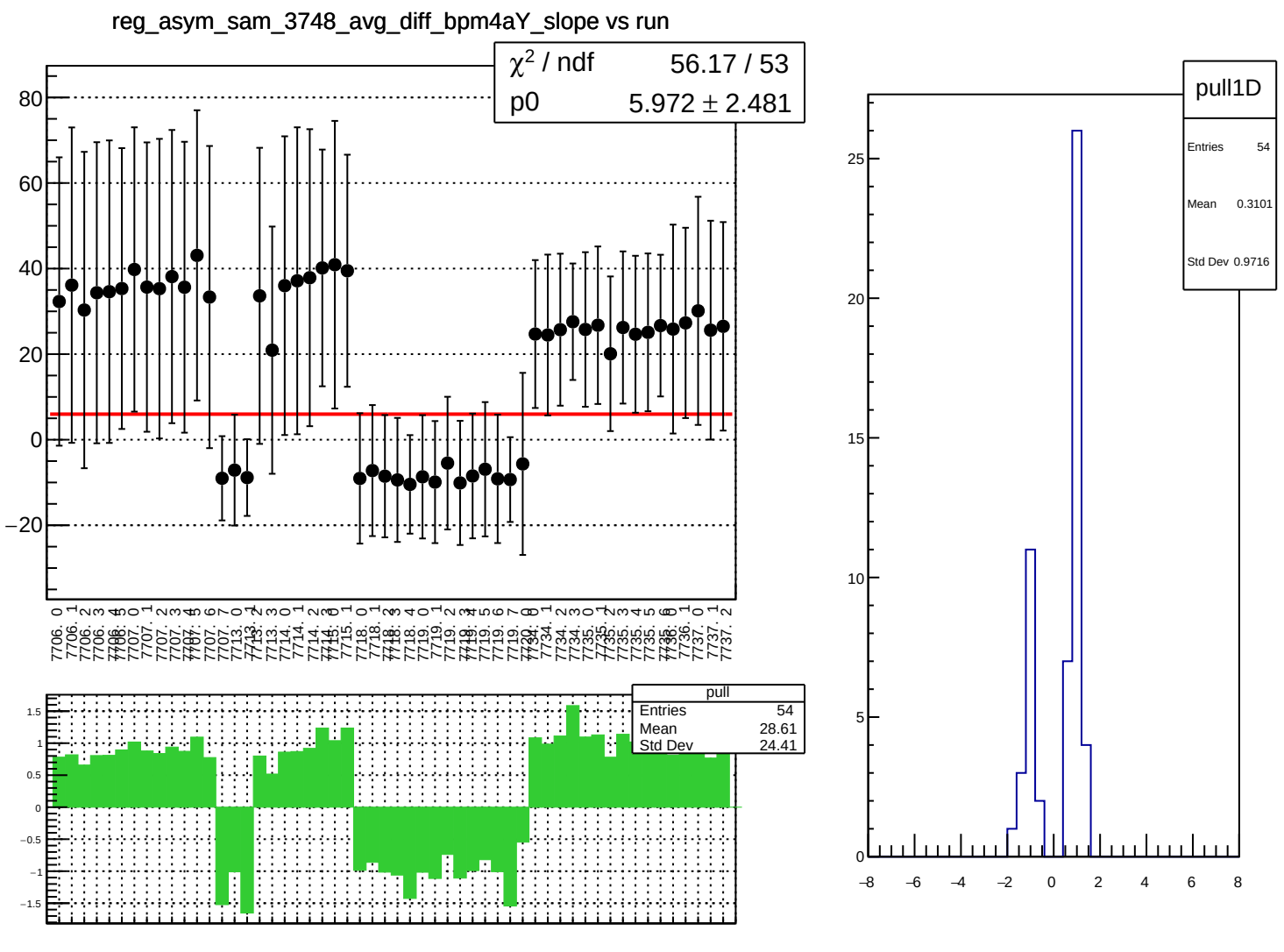

pull1D
Entries 54
Mean 0.3968
Std Dev 1.098

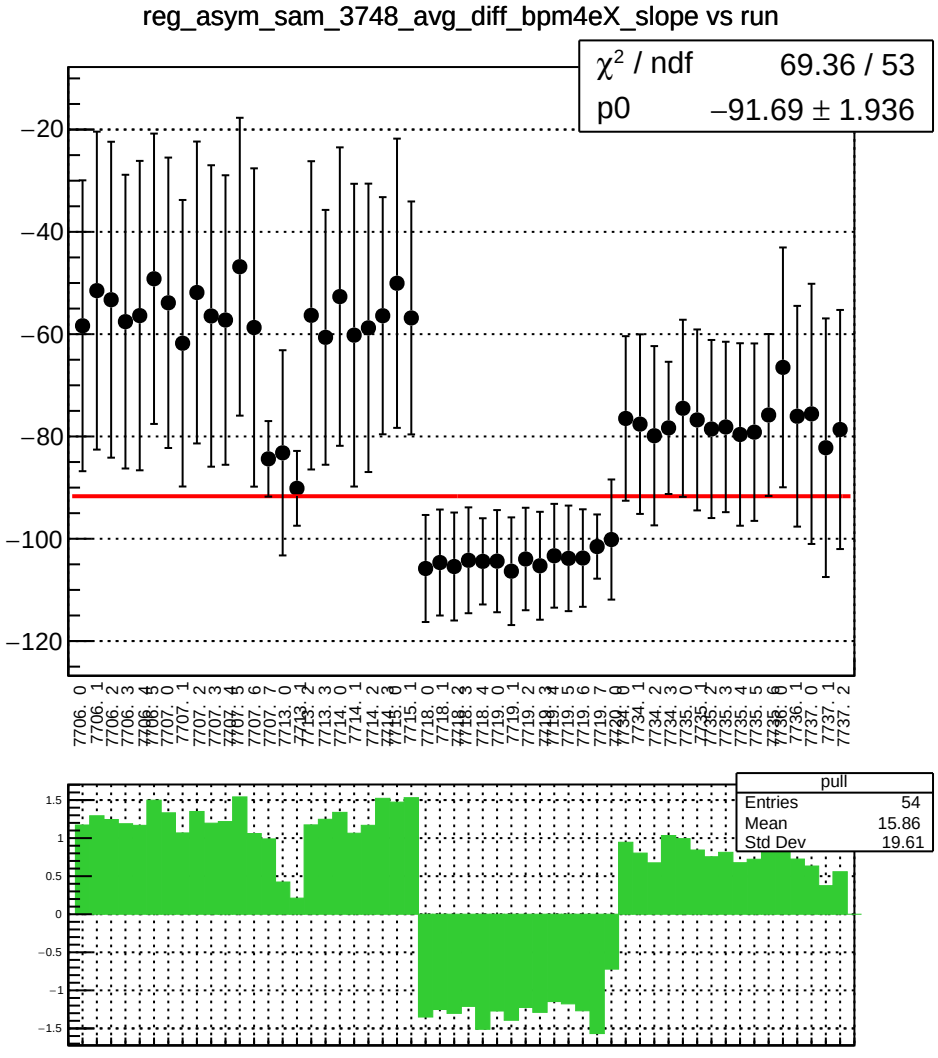

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 202.5 / 53
p0 62.65 ± 2.432
pull
Entries 54
Mean 44.82
Std Dev 20.37
pull1D
Entries 54
Mean −0.4491
Std Dev 1.884

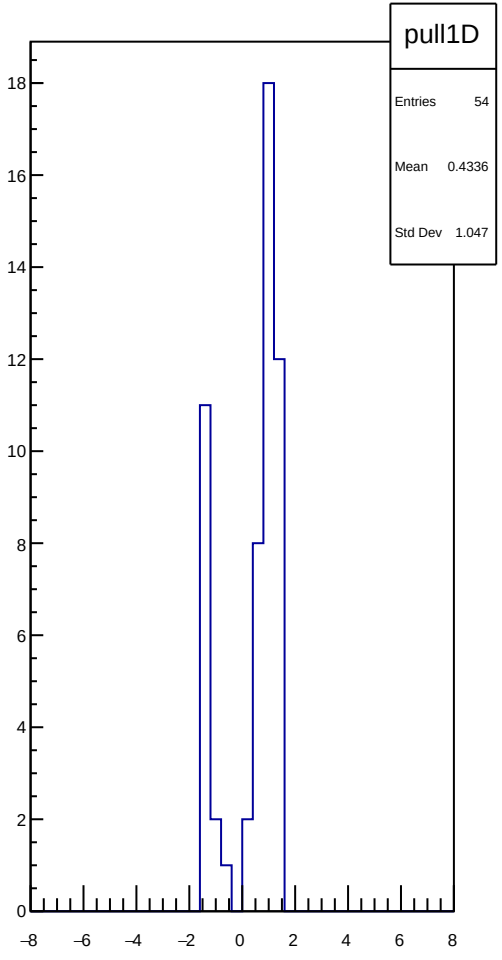

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 26.27 / 53
p0 −0.3463 ± 0.0948
pull
Entries 54
Mean 10.14
Std Dev 0
pull1D
Entries 54
Mean 0.07393
Std Dev 0.6936

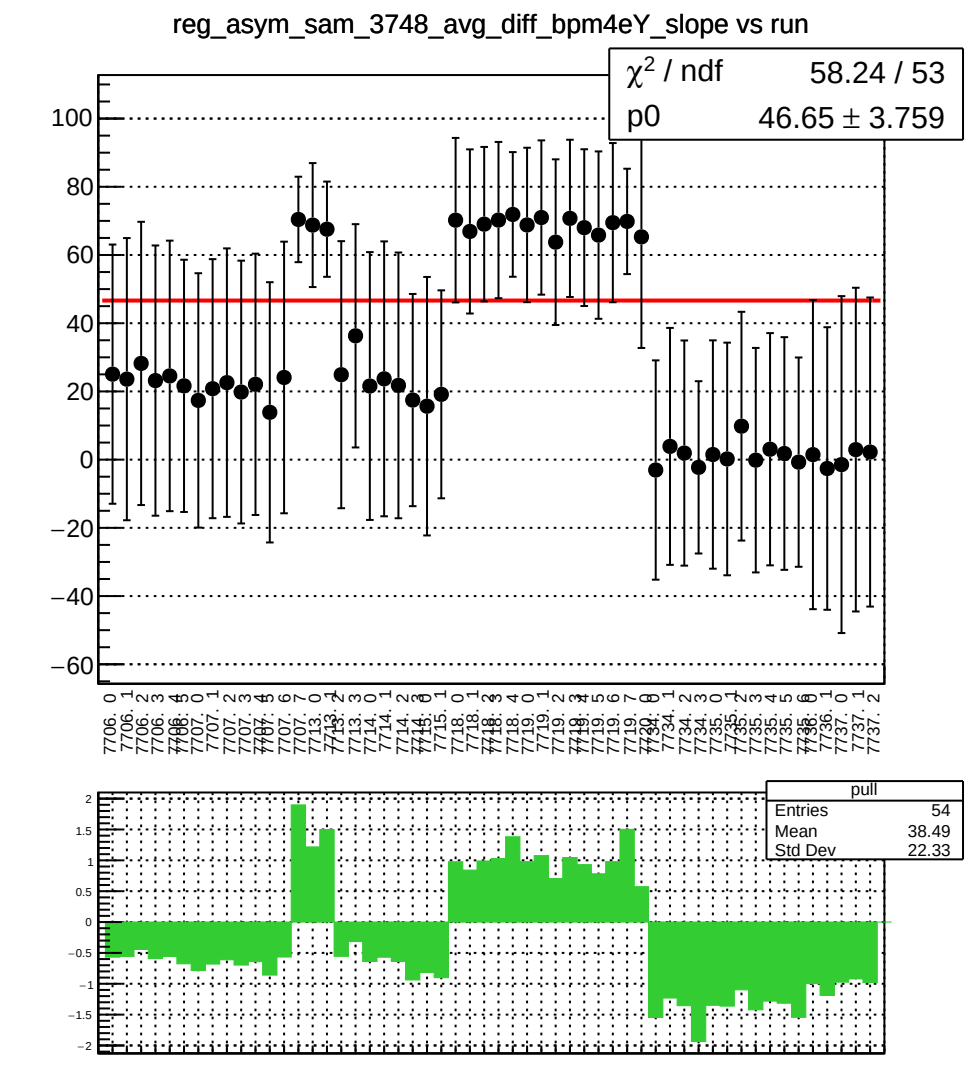

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 88.76 / 53
p0 −1.729 ± 2.246
pull
Entries 54
Mean 22.76
Std Dev 24.74

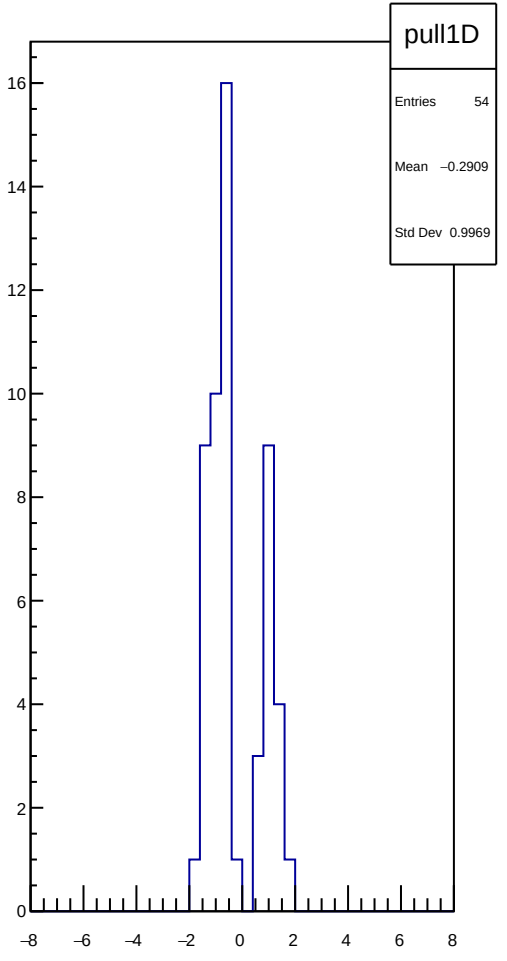

pull1D
Entries 54
Mean −0.3866
Std Dev 1.222

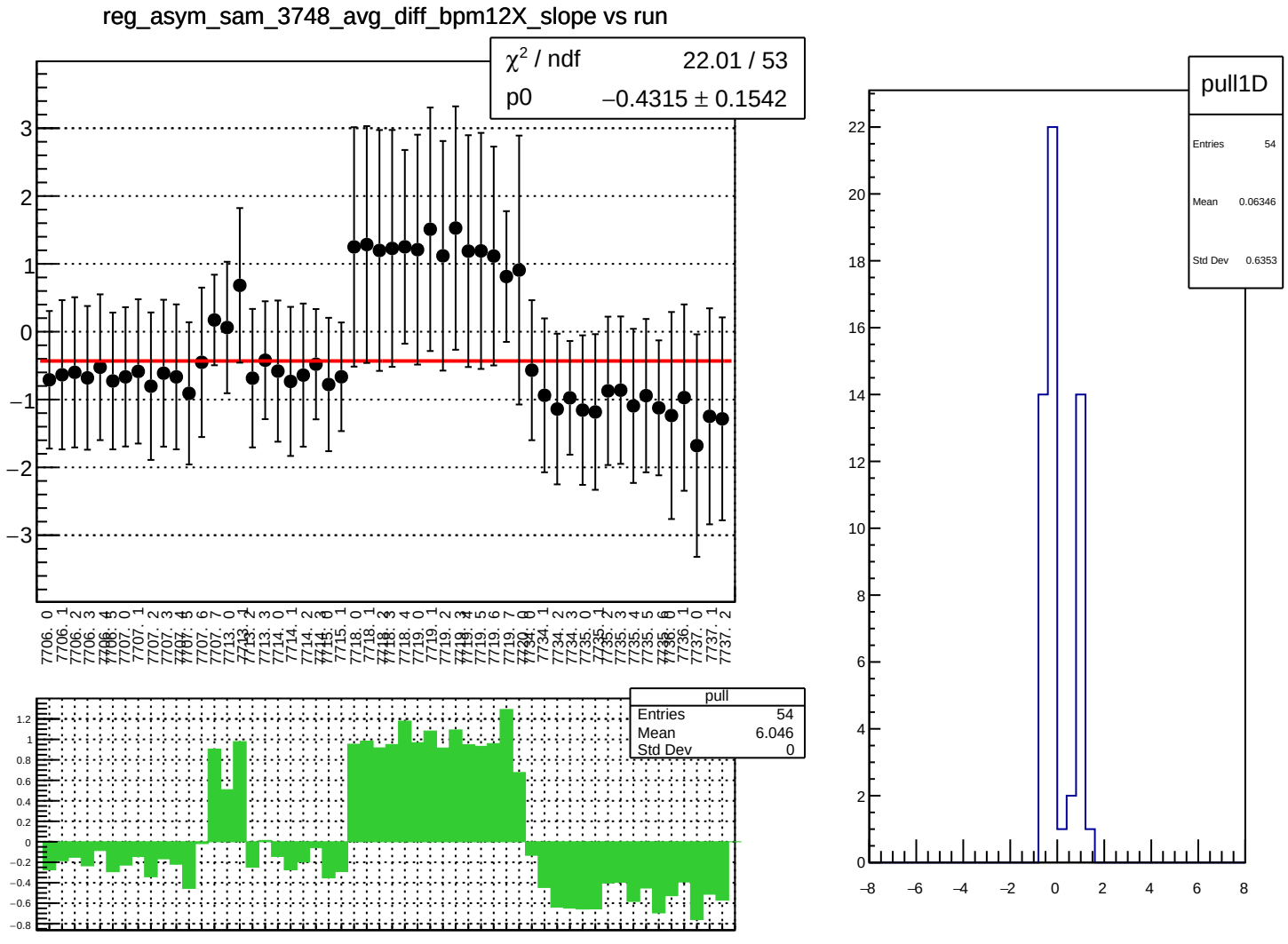

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.17 / 53
p0 5.972 ± 2.481
pull
Entries 54
Mean 28.61
Std Dev 24.41
pull1D
Entries 54
Mean 0.3101
Std Dev 0.9716

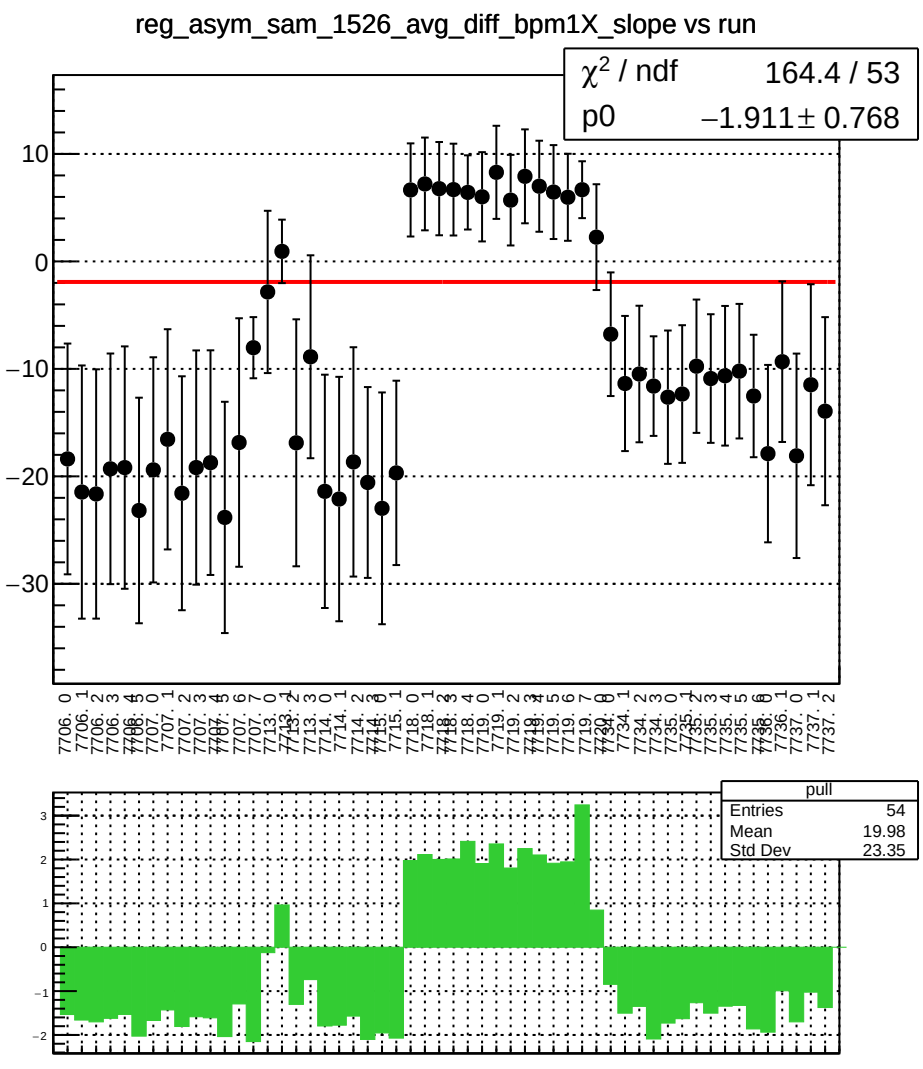

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.36 / 53
p0 −91.69 ± 1.936
pull
Entries 54
Mean 15.86
Std Dev 19.61

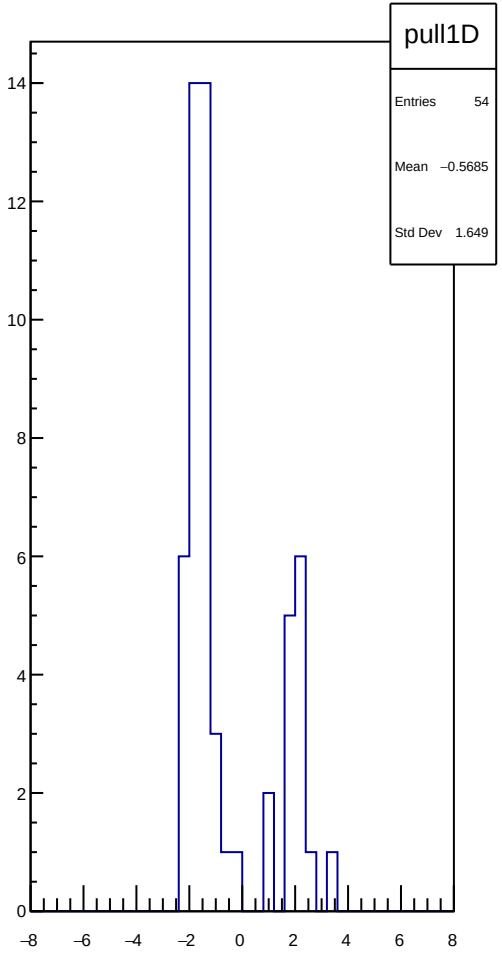

pull1D
Entries 54
Mean 0.4336
Std Dev 1.047

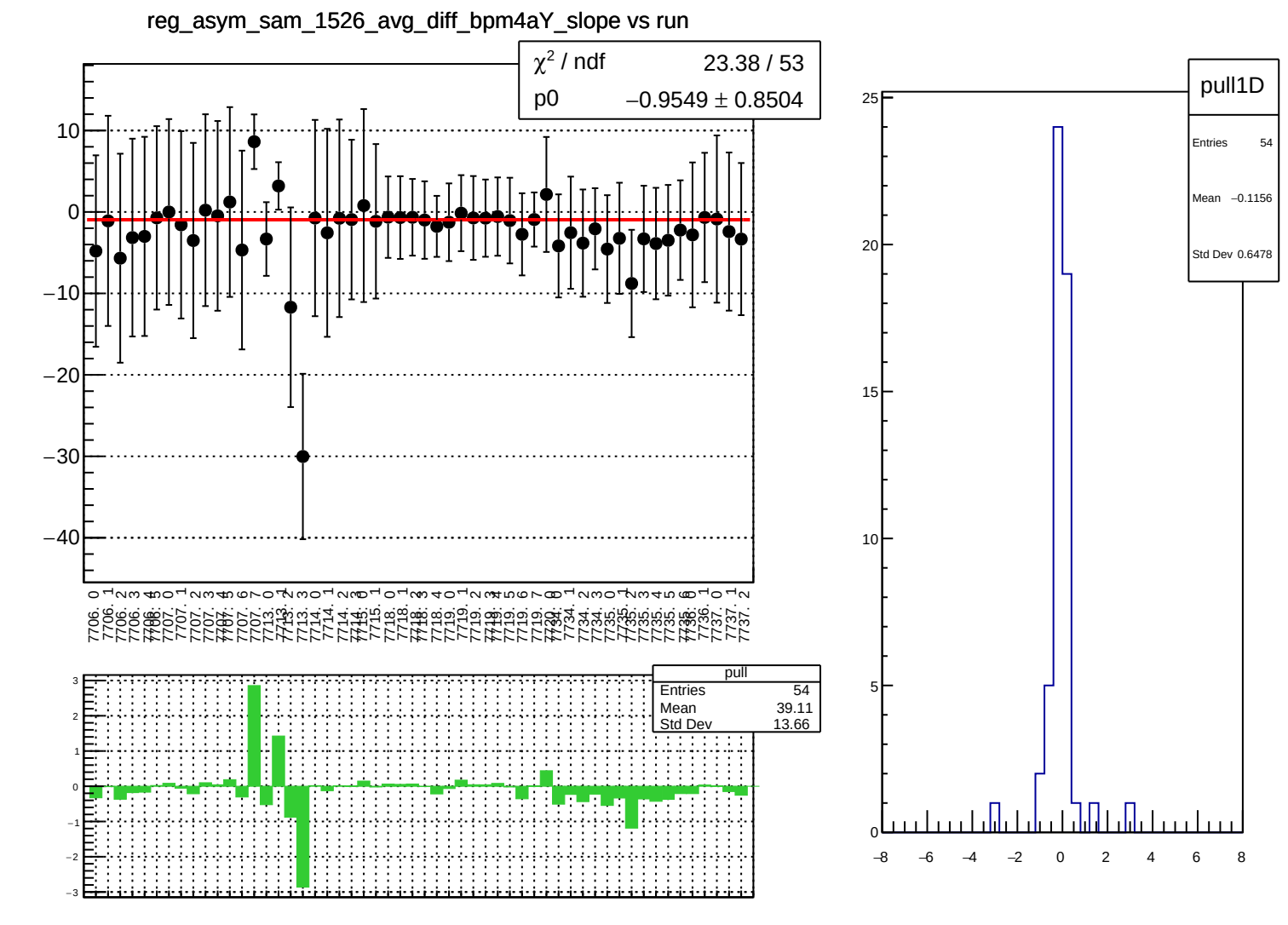

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.24 / 53
p0 46.65 ± 3.759
pull
Entries 54
Mean 38.49
Std Dev 22.33

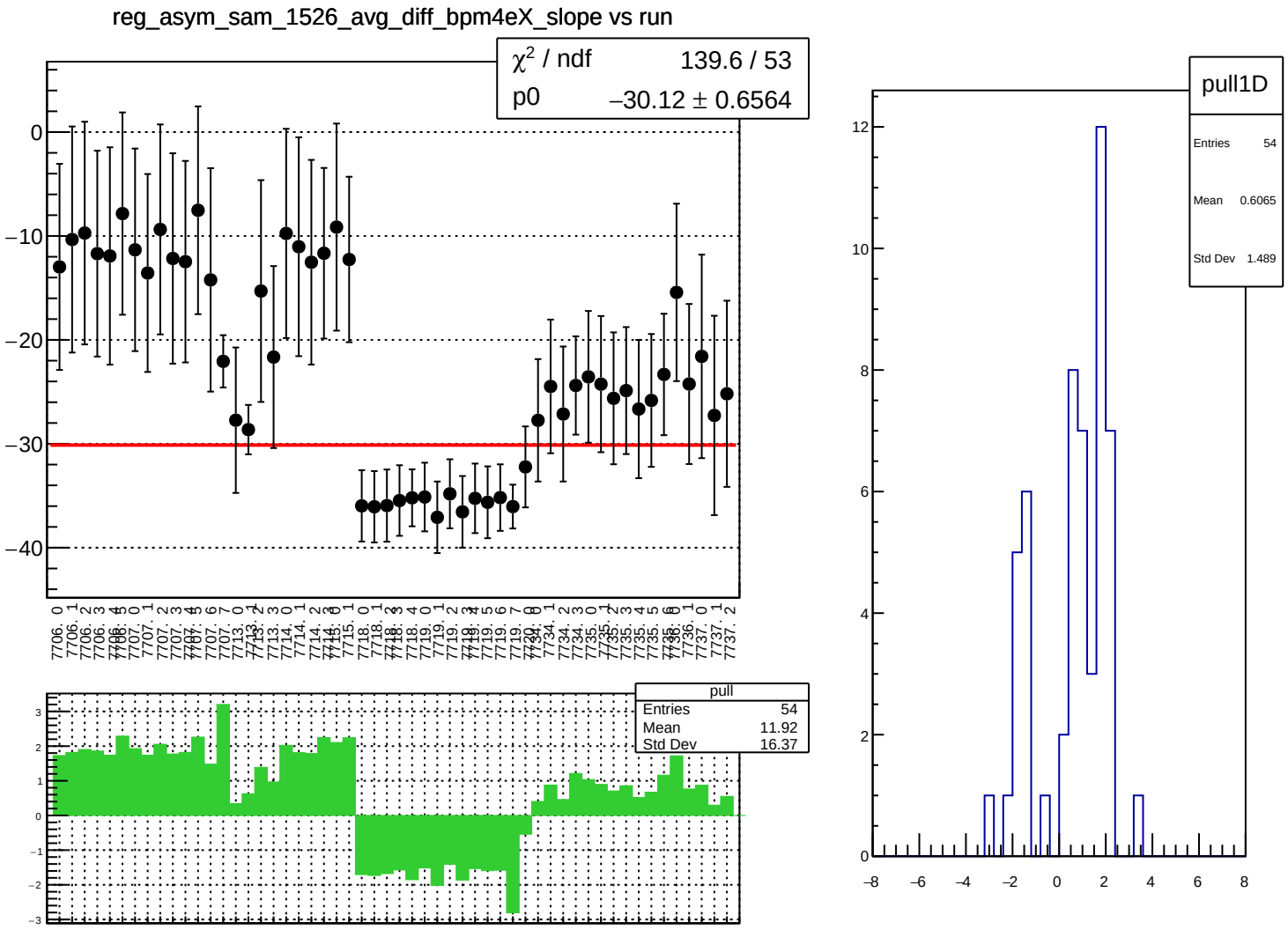

pull1D
Entries 54
Mean −0.2909
Std Dev 0.9969

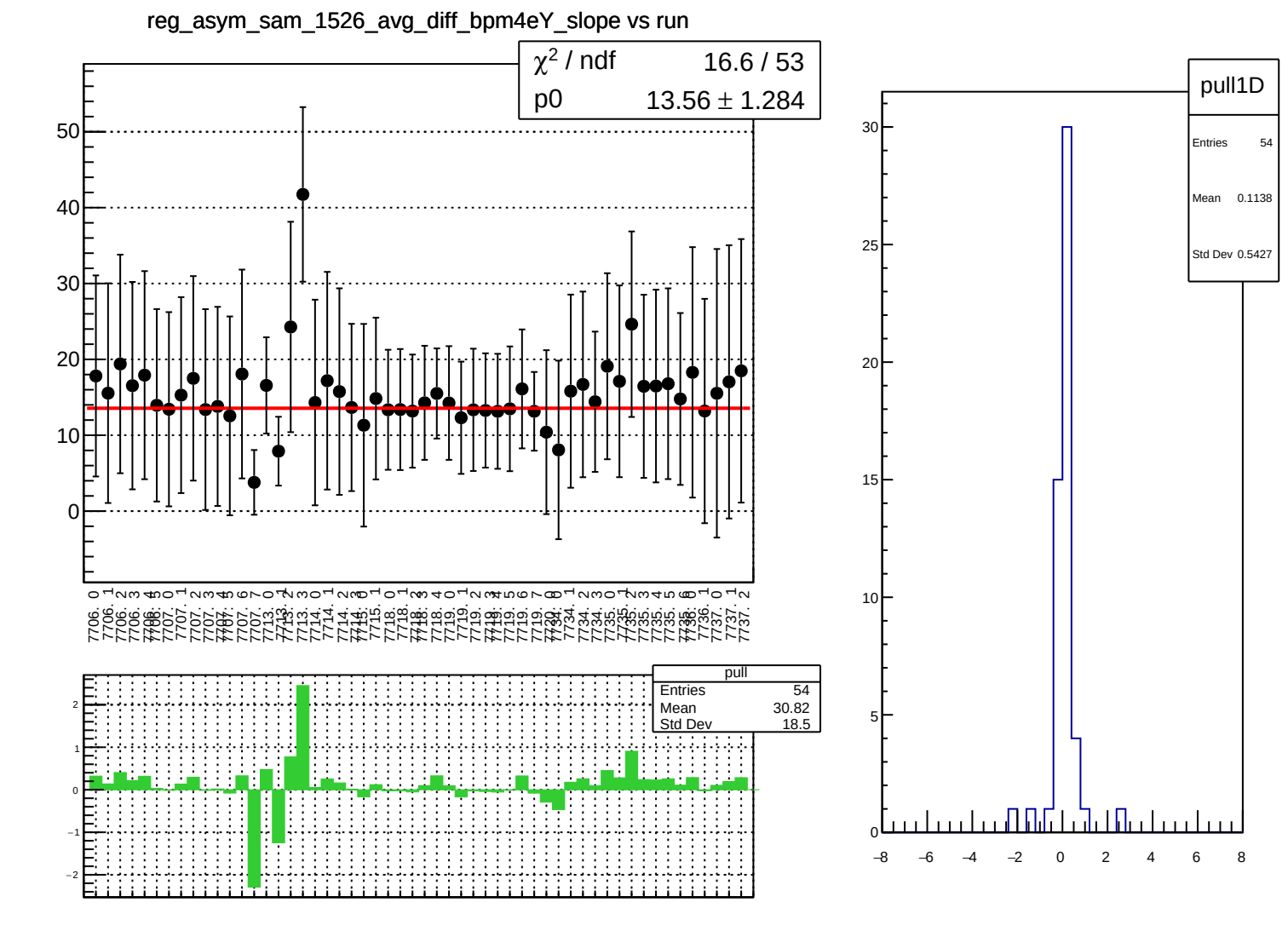

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 22.01 / 53
p0 −0.4315 ± 0.1542
pull
Entries 54
Mean 6.046
Std Dev 0
pull1D
Entries 54
Mean 0.06346
Std Dev 0.6353

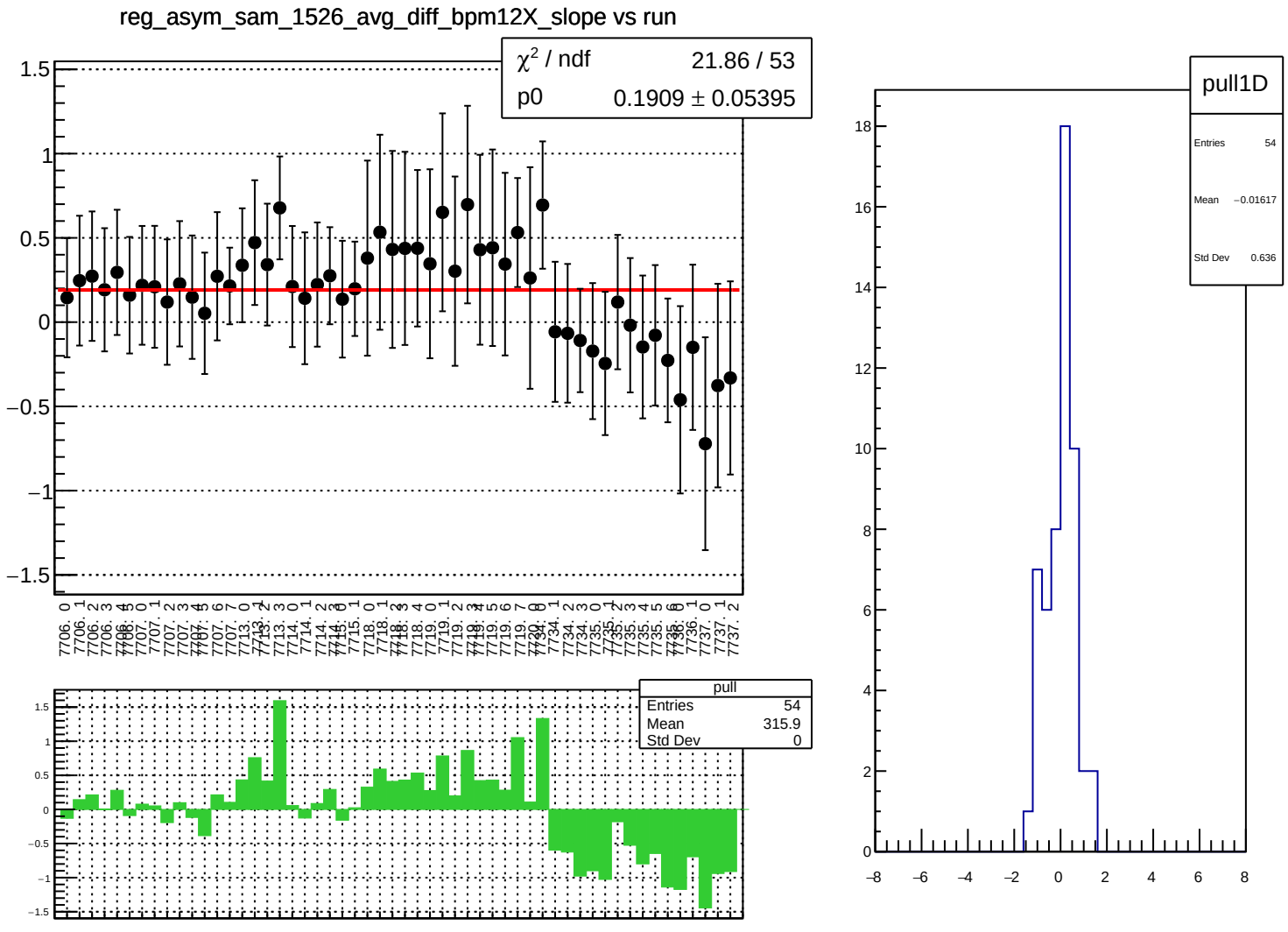

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 164.4 / 53
p0 −1.911 ± 0.768
pull
Entries 54
Mean 19.98
Std Dev 23.35

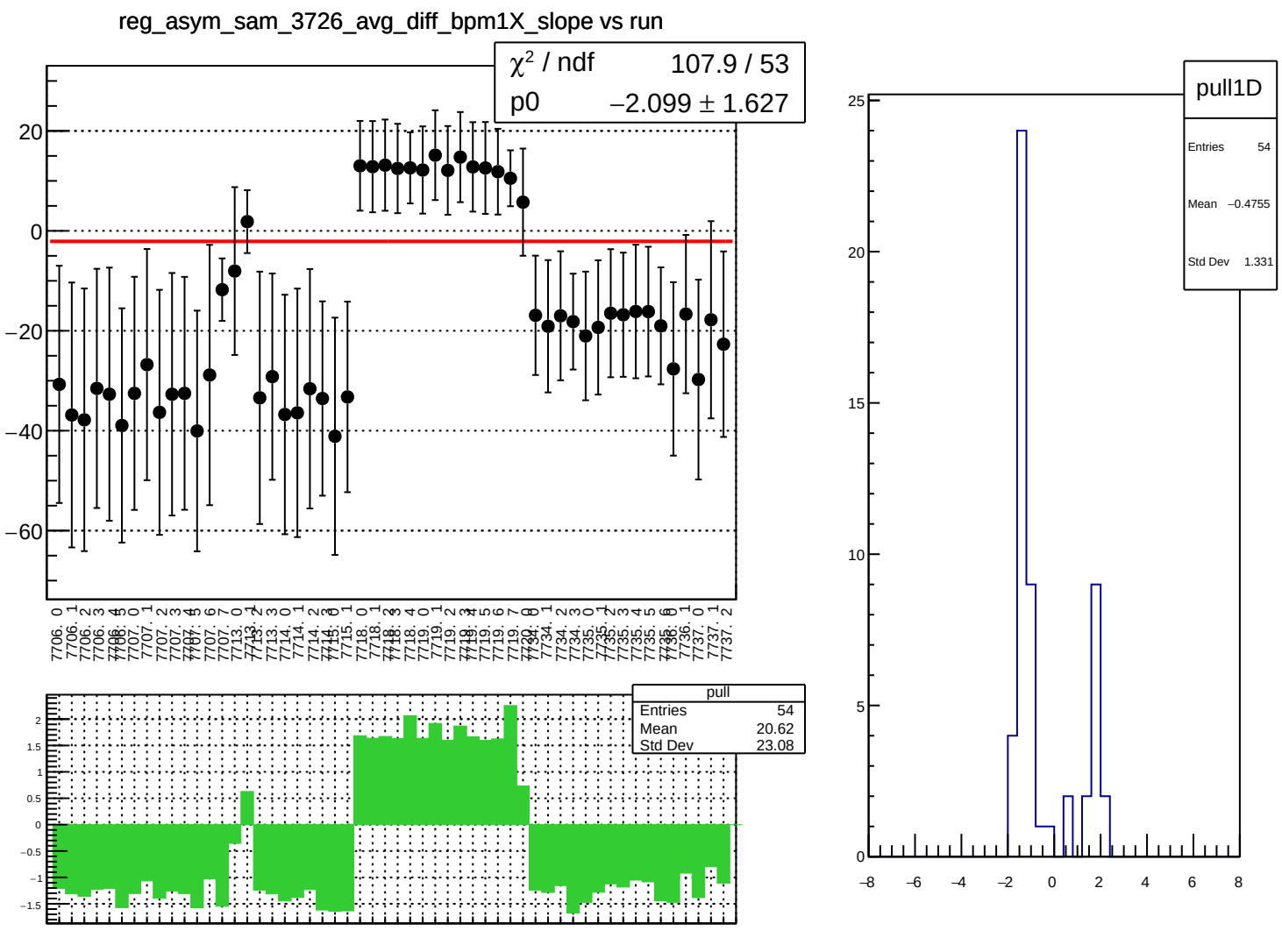

pull1D
Entries 54
Mean −0.5685
Std Dev 1.649

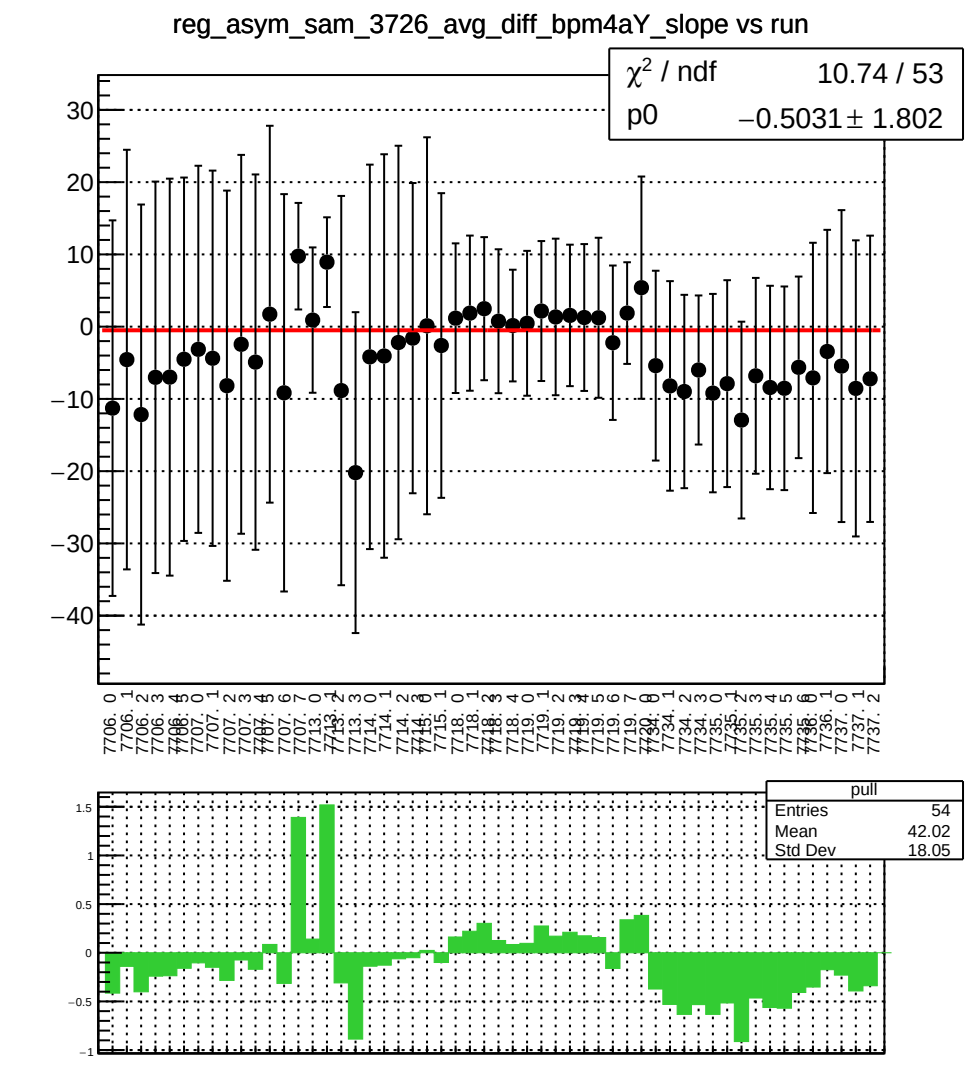

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.38 / 53
p0 −0.9549 ± 0.8504
pull
Entries 54
Mean 39.11
Std Dev 13.66
pull1D
Entries 54
Mean −0.1156
Std Dev 0.6478

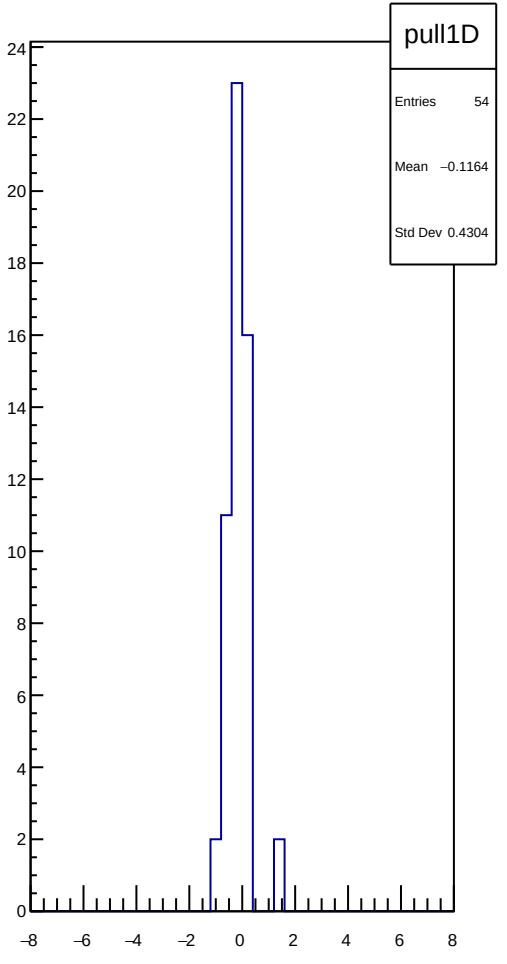

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 139.6 / 53
p0 −30.12 ± 0.6564
pull
Entries 54
Mean 11.92
Std Dev 16.37
pull1D
Entries 54
Mean 0.6065
Std Dev 1.489

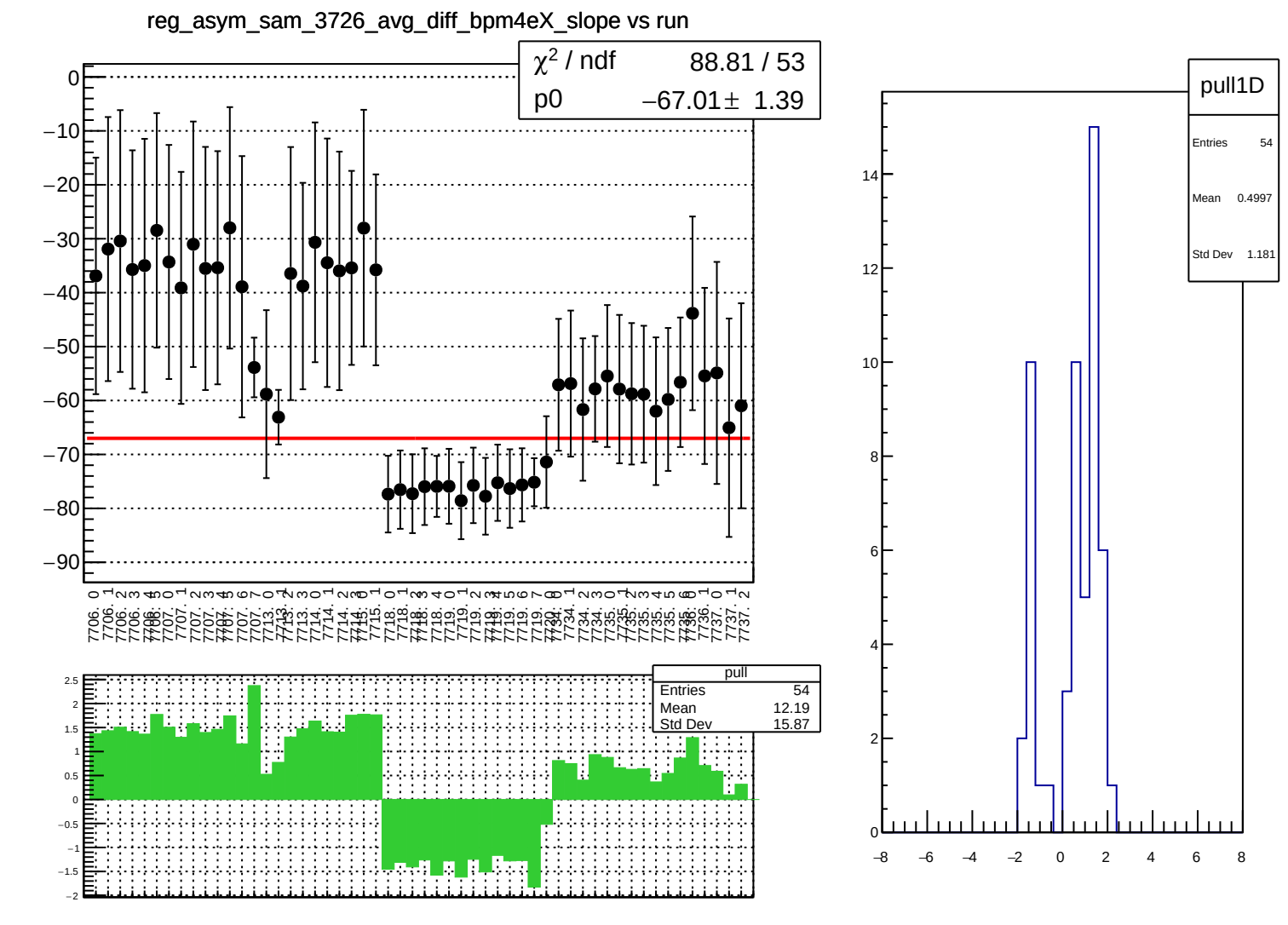

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.6 / 53
p0 13.56 ± 1.284
pull
Entries 54
Mean 30.82
Std Dev 18.5
pull1D
Entries 54
Mean 0.1138
Std Dev 0.5427

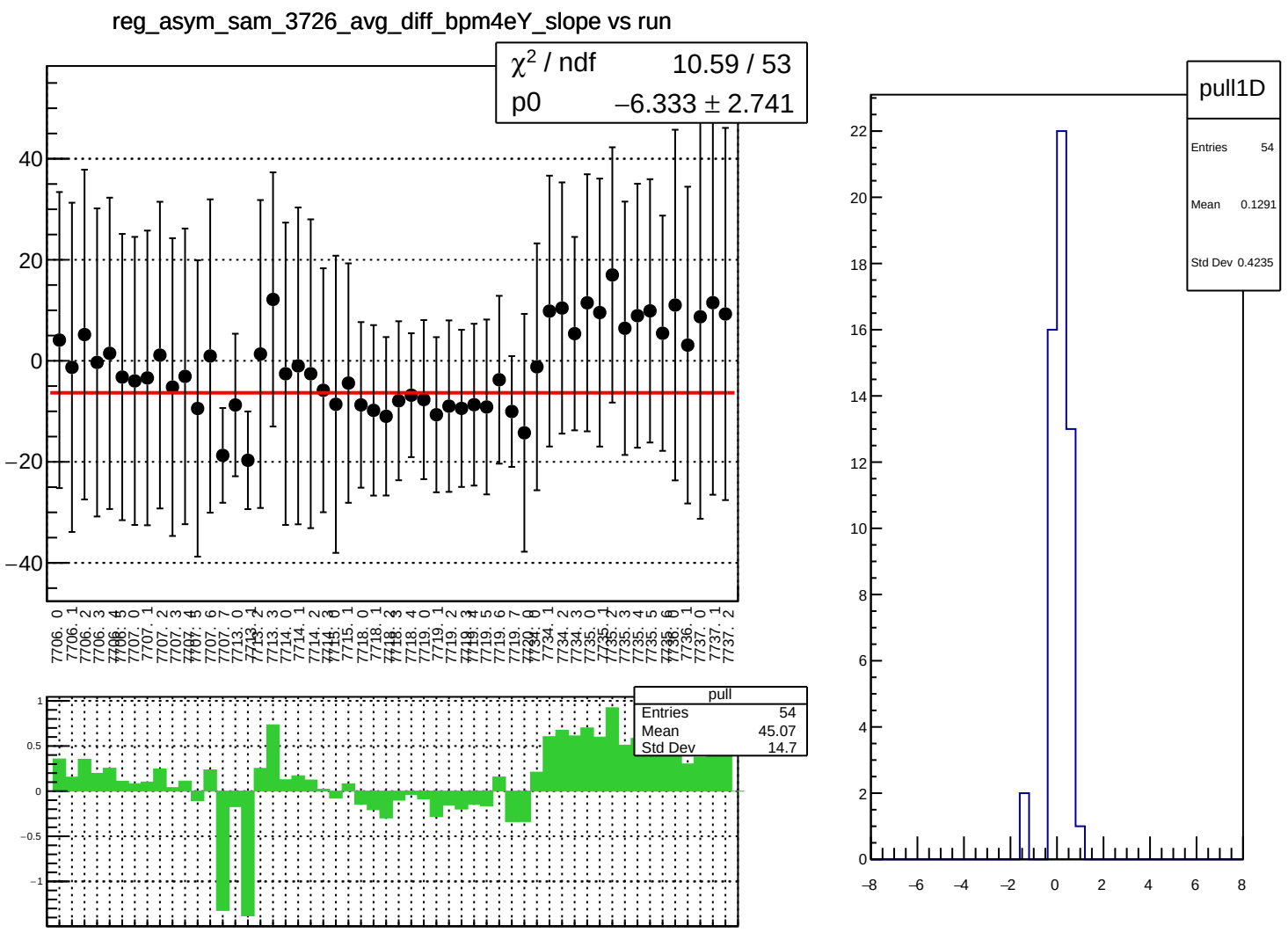

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 21.86 / 53
p0 0.1909 ± 0.05395
pull
Entries 54
Mean 315.9
Std Dev 0
pull1D
Entries 54
Mean −0.01617
Std Dev 0.636

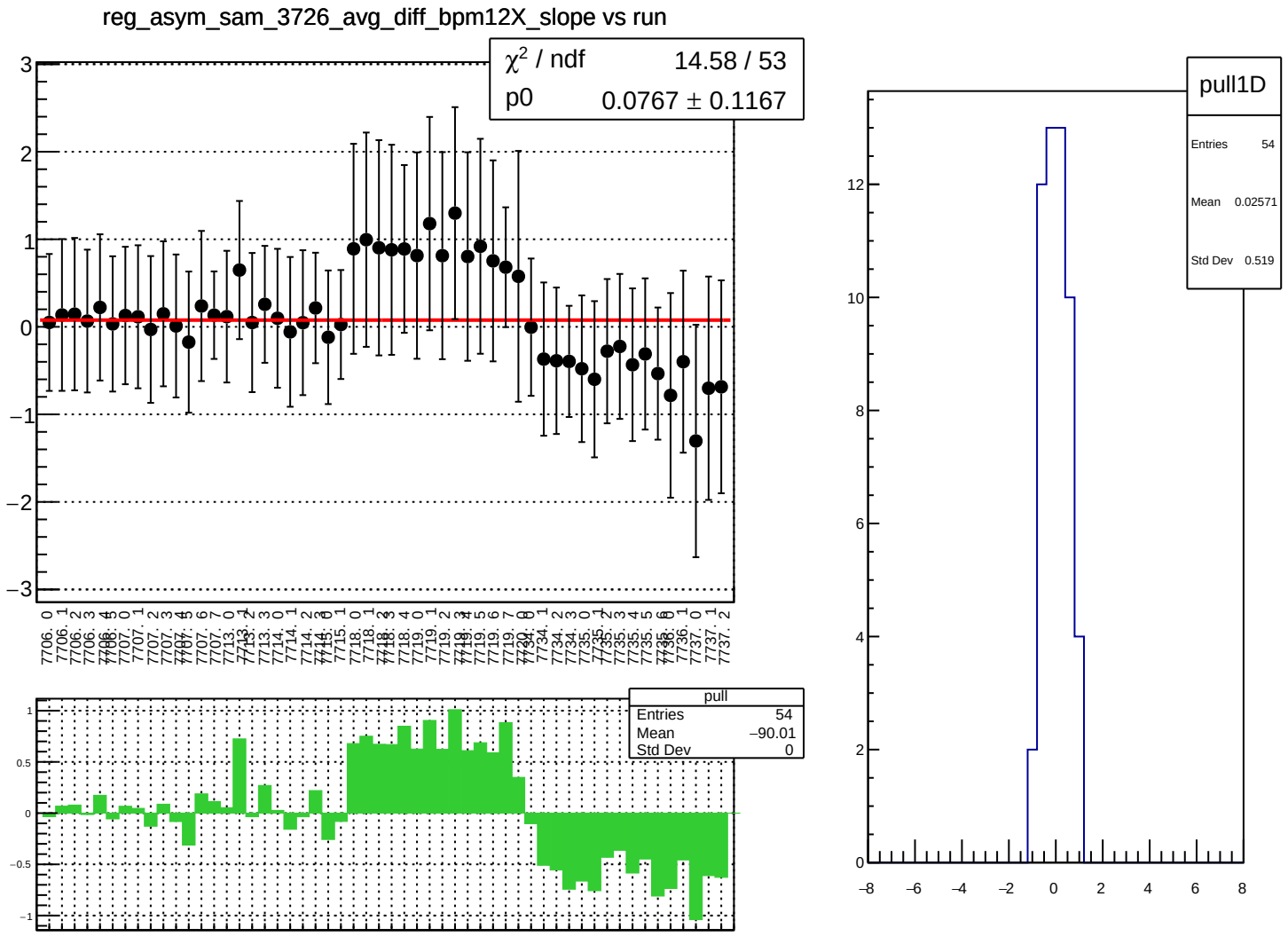

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 107.9 / 53
p0 −2.099 ± 1.627
pull
Entries 54
Mean 20.62
Std Dev 23.08
pull1D
Entries 54
Mean −0.4755
Std Dev 1.331

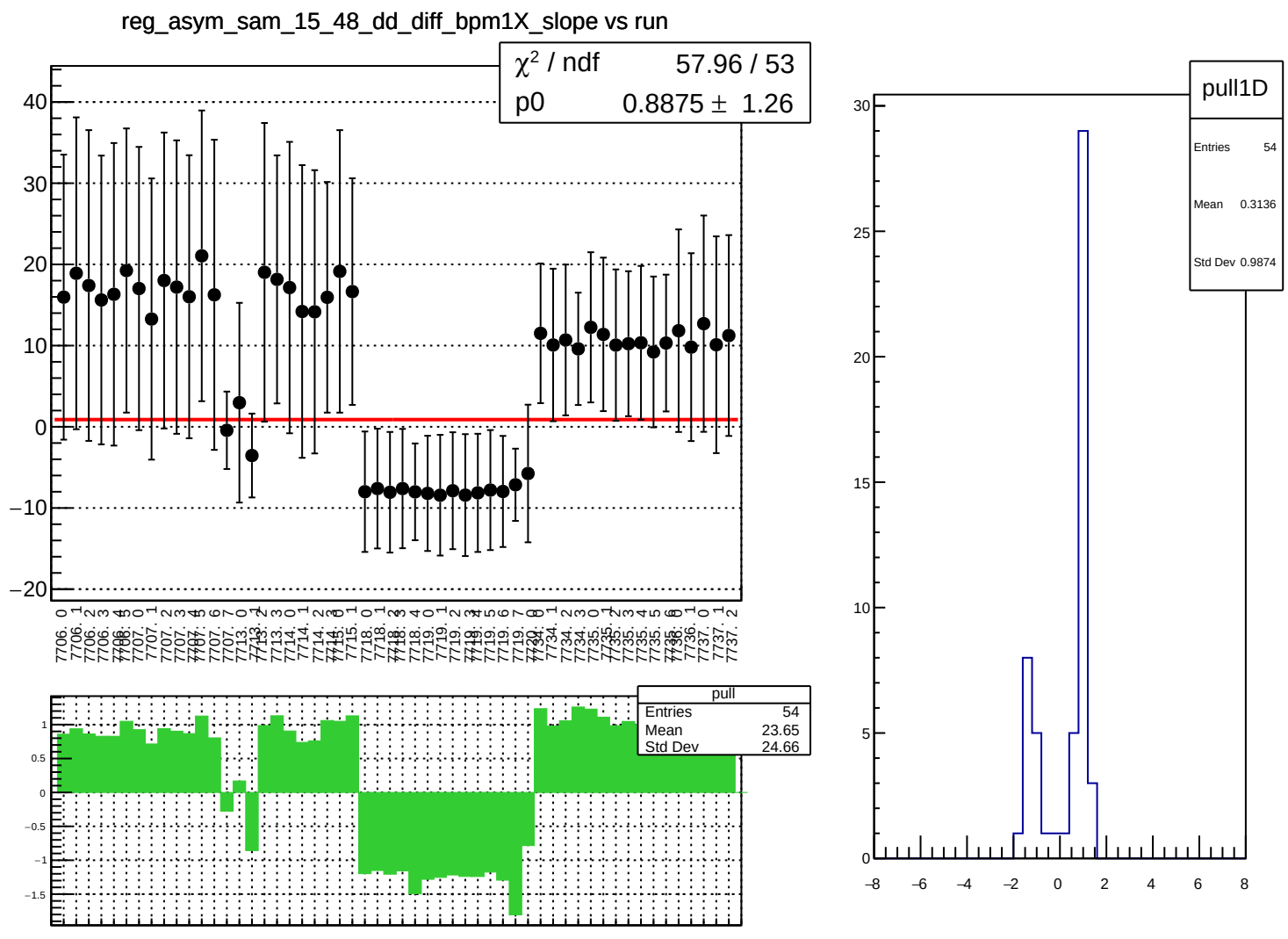

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.74 / 53
p0 −0.5031 ± 1.802
pull
Entries 54
Mean 42.02
Std Dev 18.05

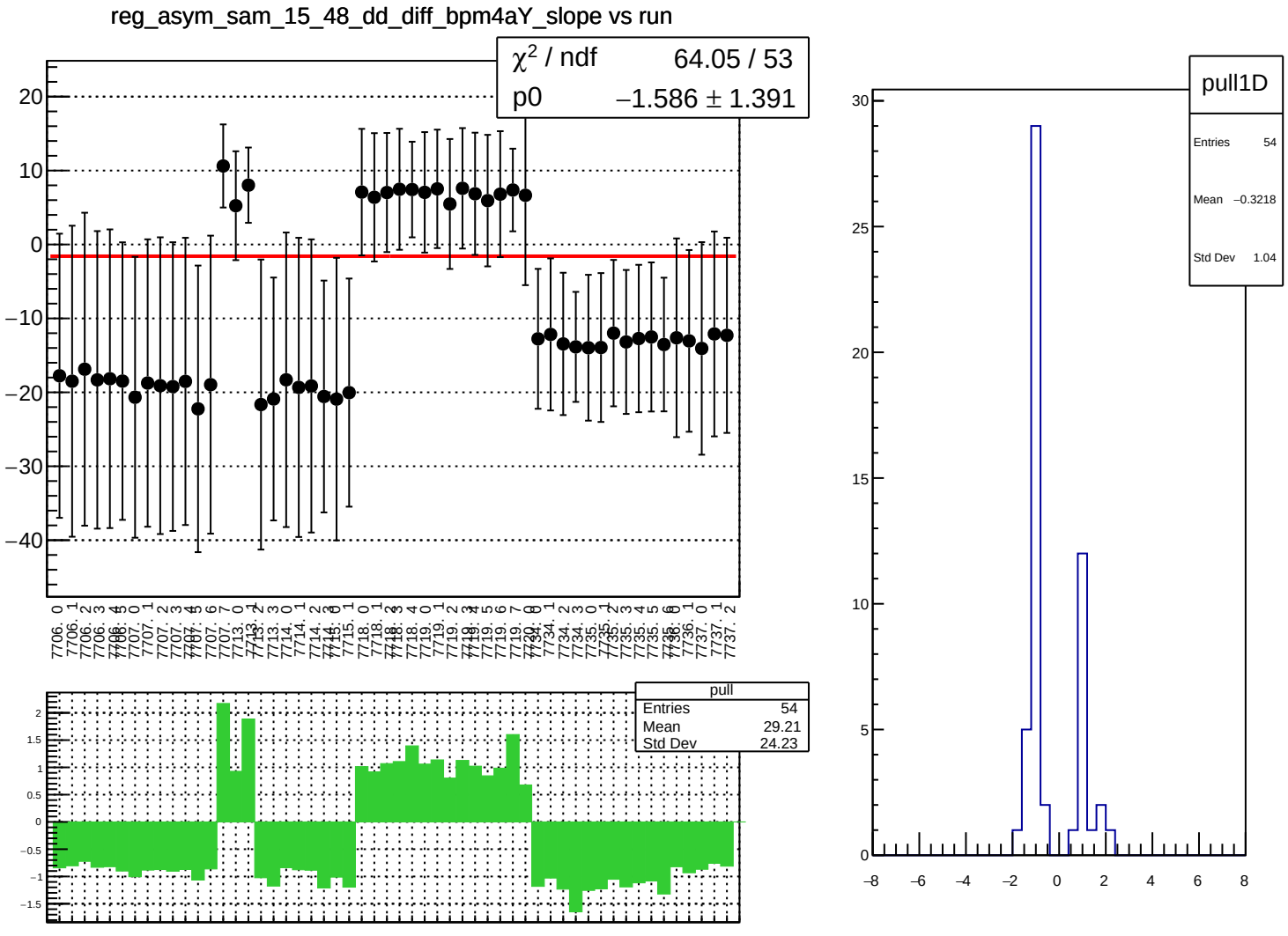

pull1D
Entries 54
Mean −0.1164
Std Dev 0.4304

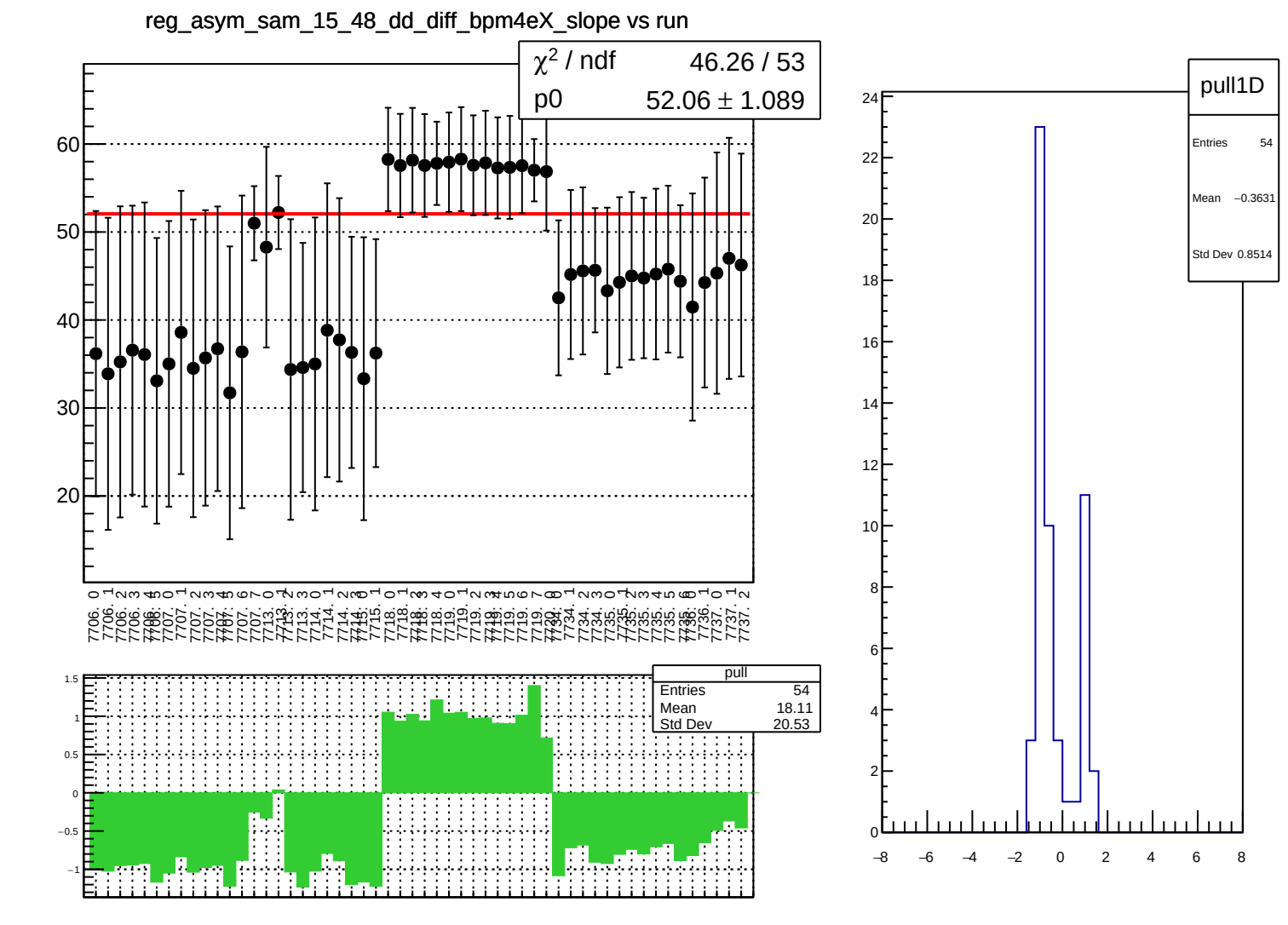

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.81 / 53
p0 −67.01± 1.39
pull
Entries 54
Mean 12.19
Std Dev 15.87
pull1D
Entries 54
Mean 0.4997
Std Dev 1.181

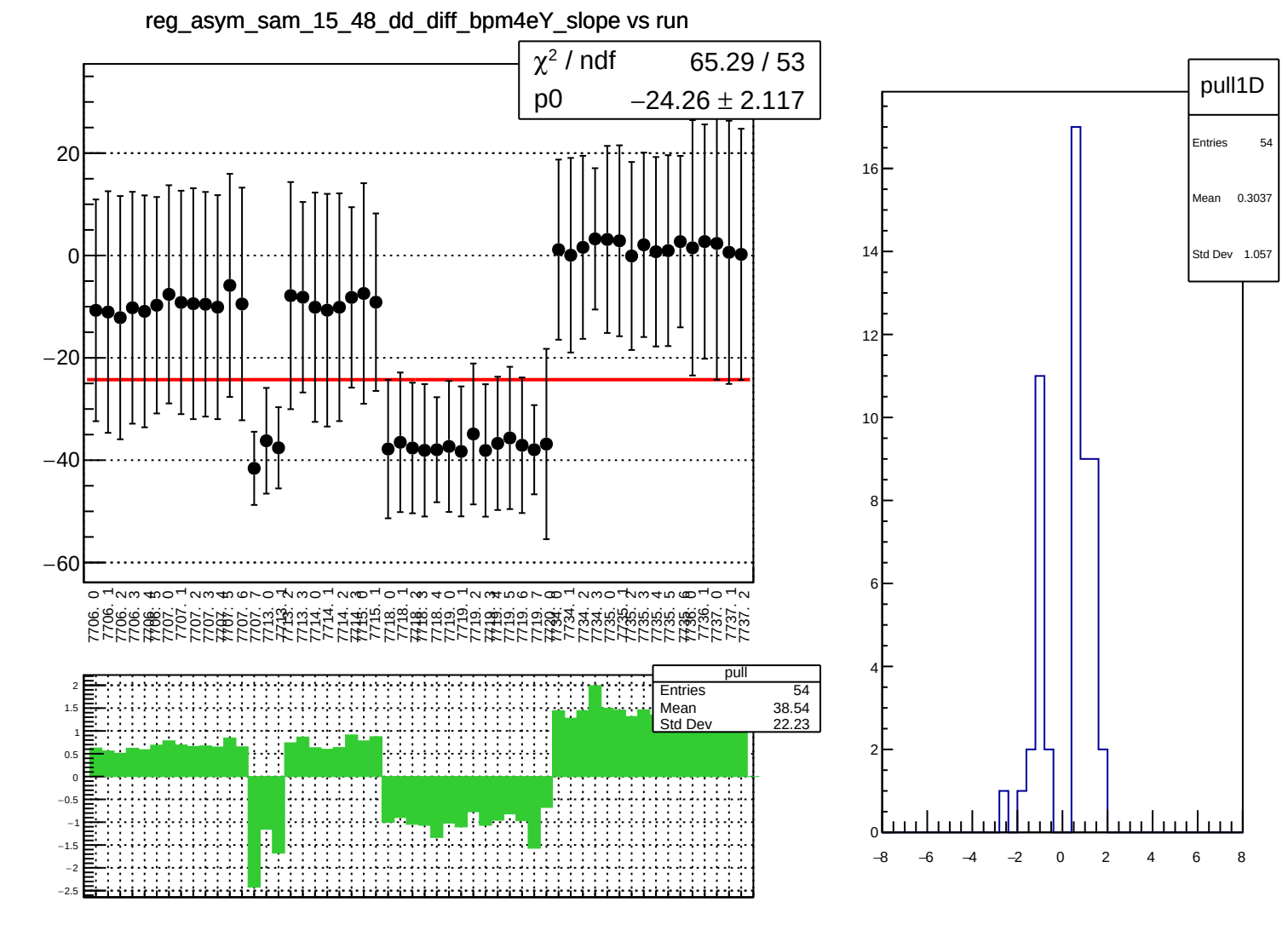

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.59 / 53
p0 −6.333 ± 2.741
pull
Entries 54
Mean 45.07
Std Dev 14.7
pull1D
Entries 54
Mean 0.1291
Std Dev 0.4235

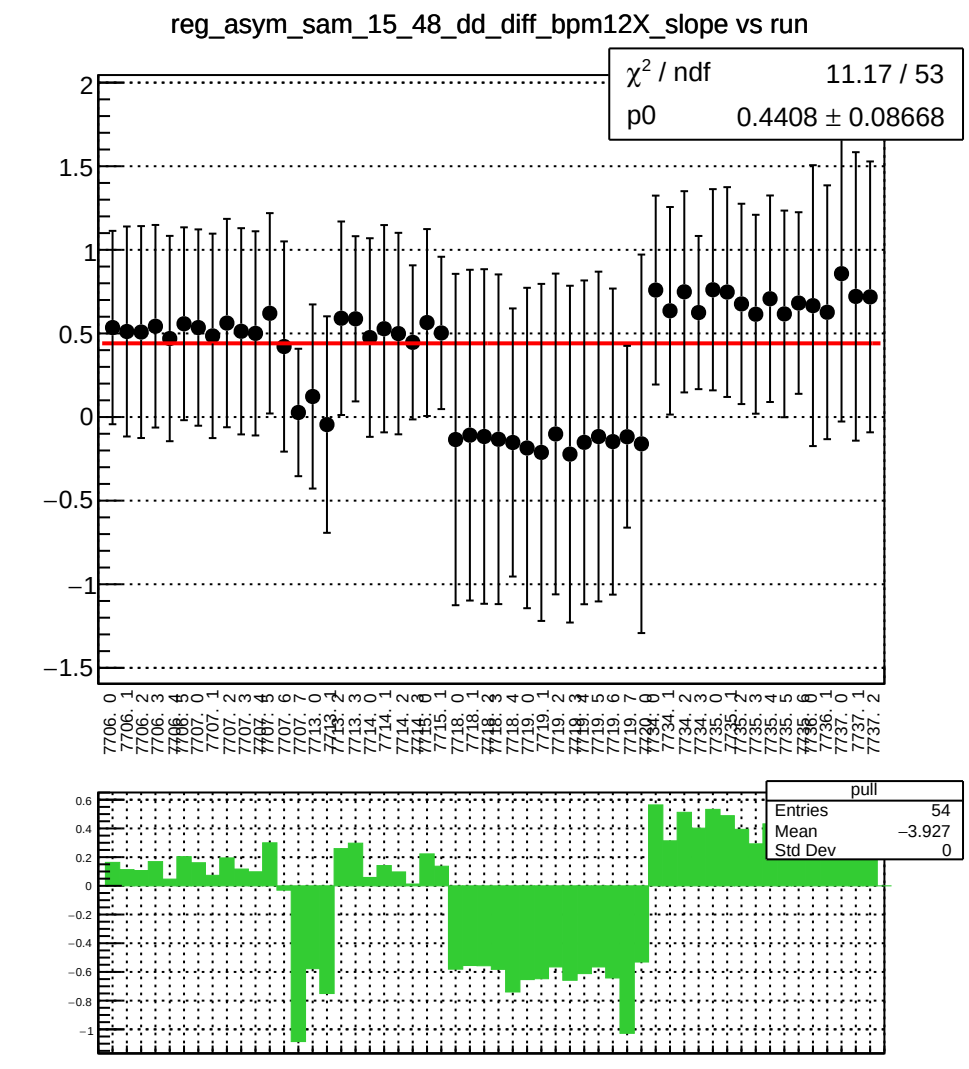

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 14.58 / 53
p0 0.0767 ± 0.1167
pull
Entries 54
Mean −90.01
Std Dev 0
pull1D
Entries 54
Mean 0.02571
Std Dev 0.519

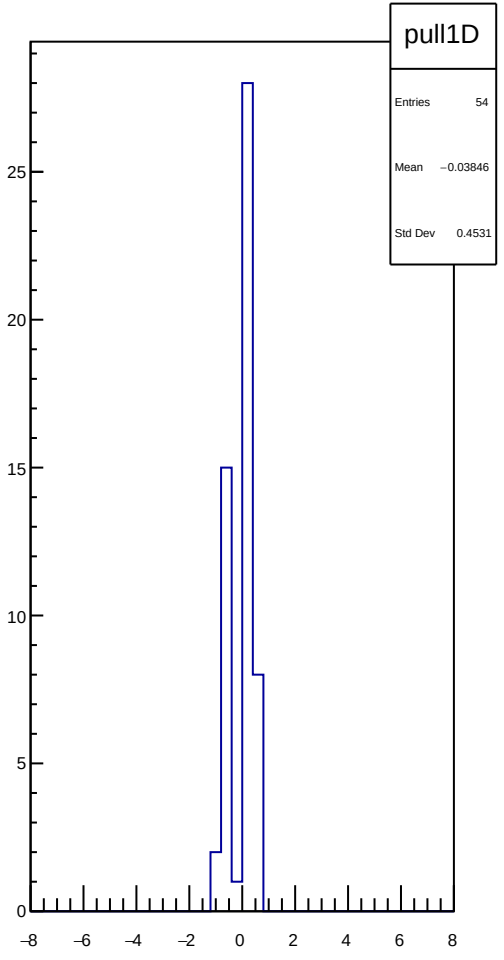

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 57.96 / 53
p0 0.8875 ± 1.26
pull
Entries 54
Mean 23.65
Std Dev 24.66
pull1D
Entries 54
Mean 0.3136
Std Dev 0.9874

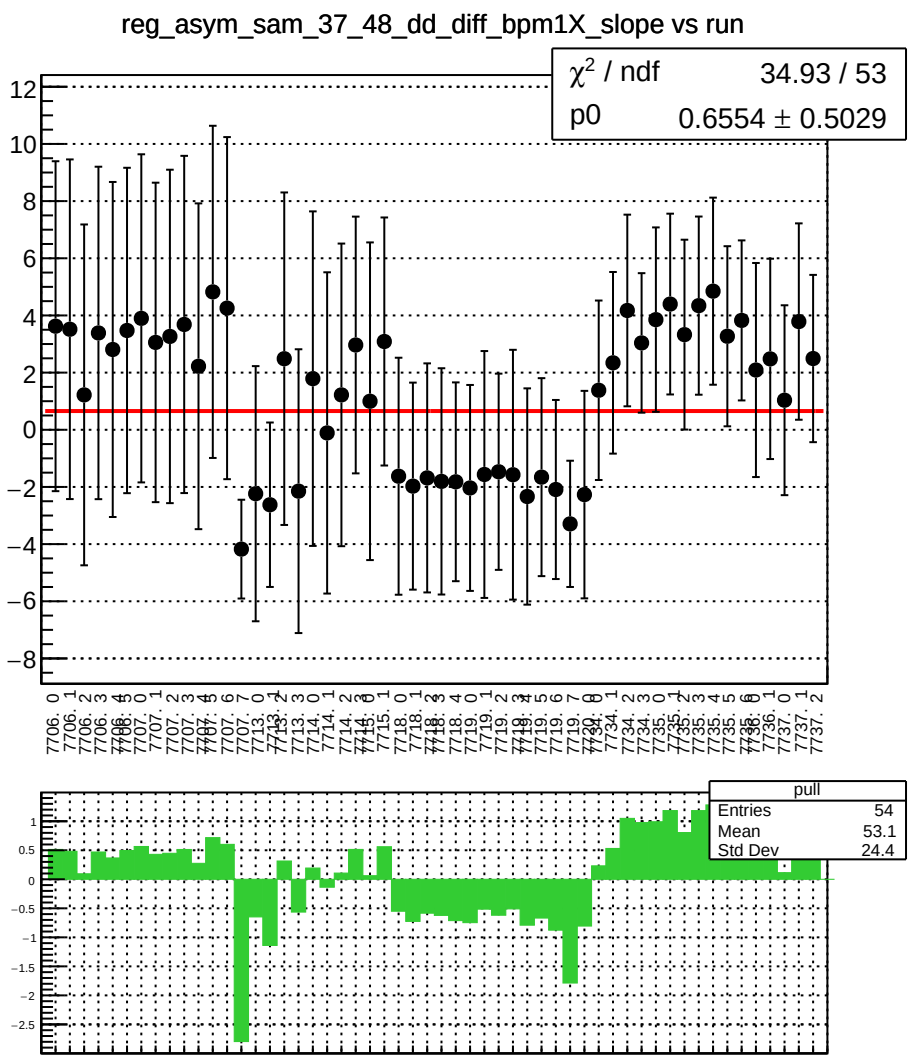

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.05 / 53
p0 −1.586 ± 1.391
pull
Entries 54
Mean 29.21
Std Dev 24.23
pull1D
Entries 54
Mean −0.3218
Std Dev 1.04

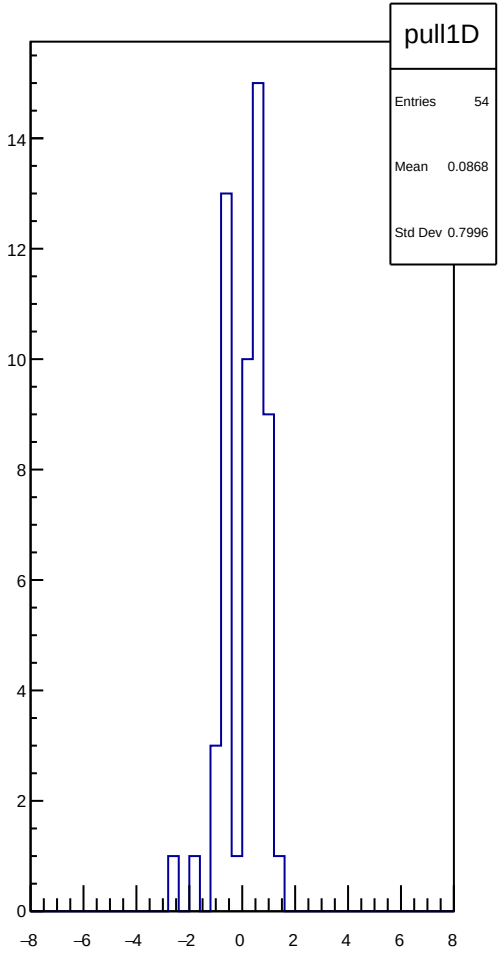

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.26 / 53
p0 52.06 ± 1.089
pull
Entries 54
Mean 18.11
Std Dev 20.53
pull1D
Entries 54
Mean −0.3631
Std Dev 0.8514

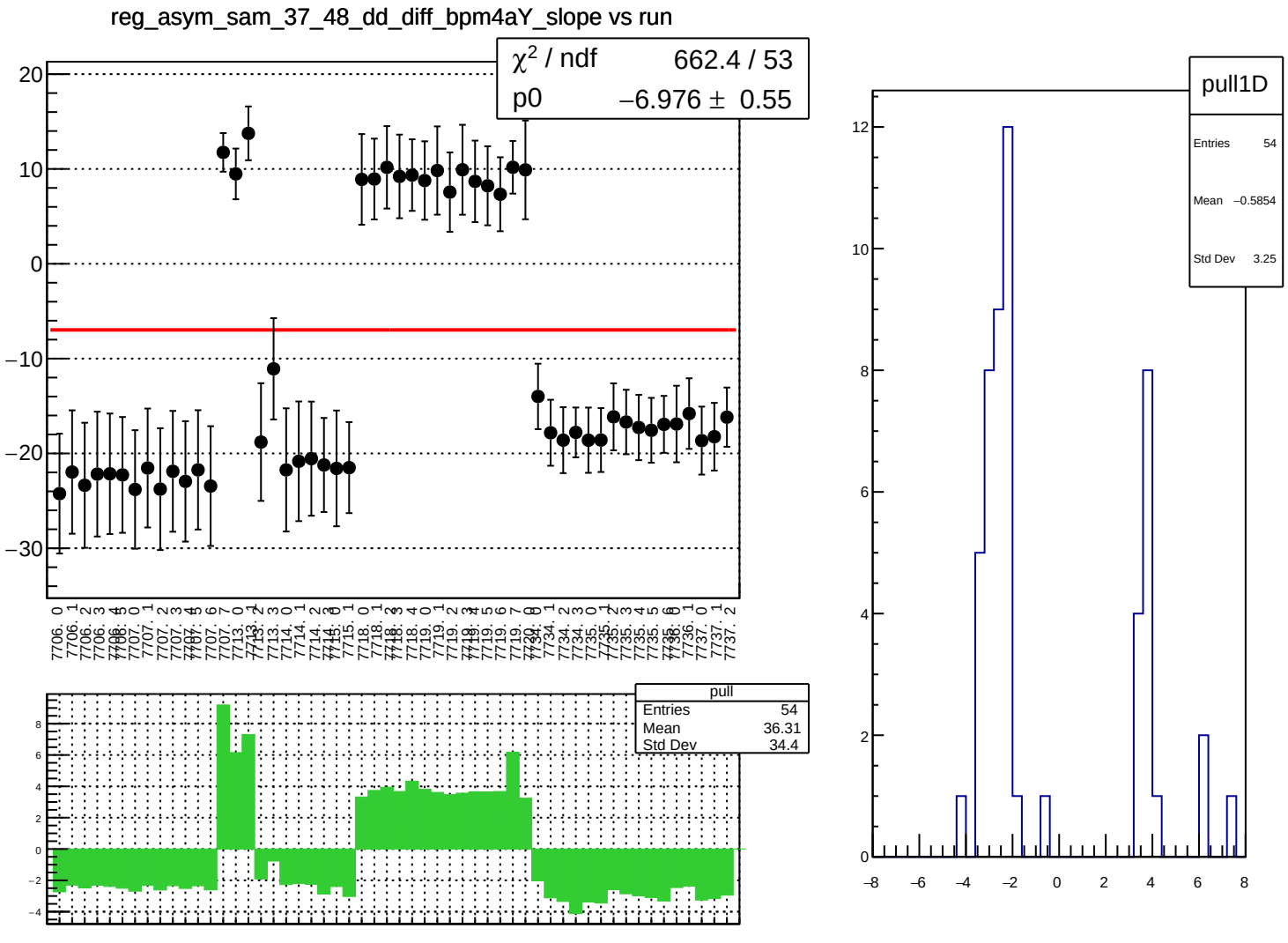

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.29 / 53
p0 −24.26 ± 2.117
pull
Entries 54
Mean 38.54
Std Dev 22.23
pull1D
Entries 54
Mean 0.3037
Std Dev 1.057

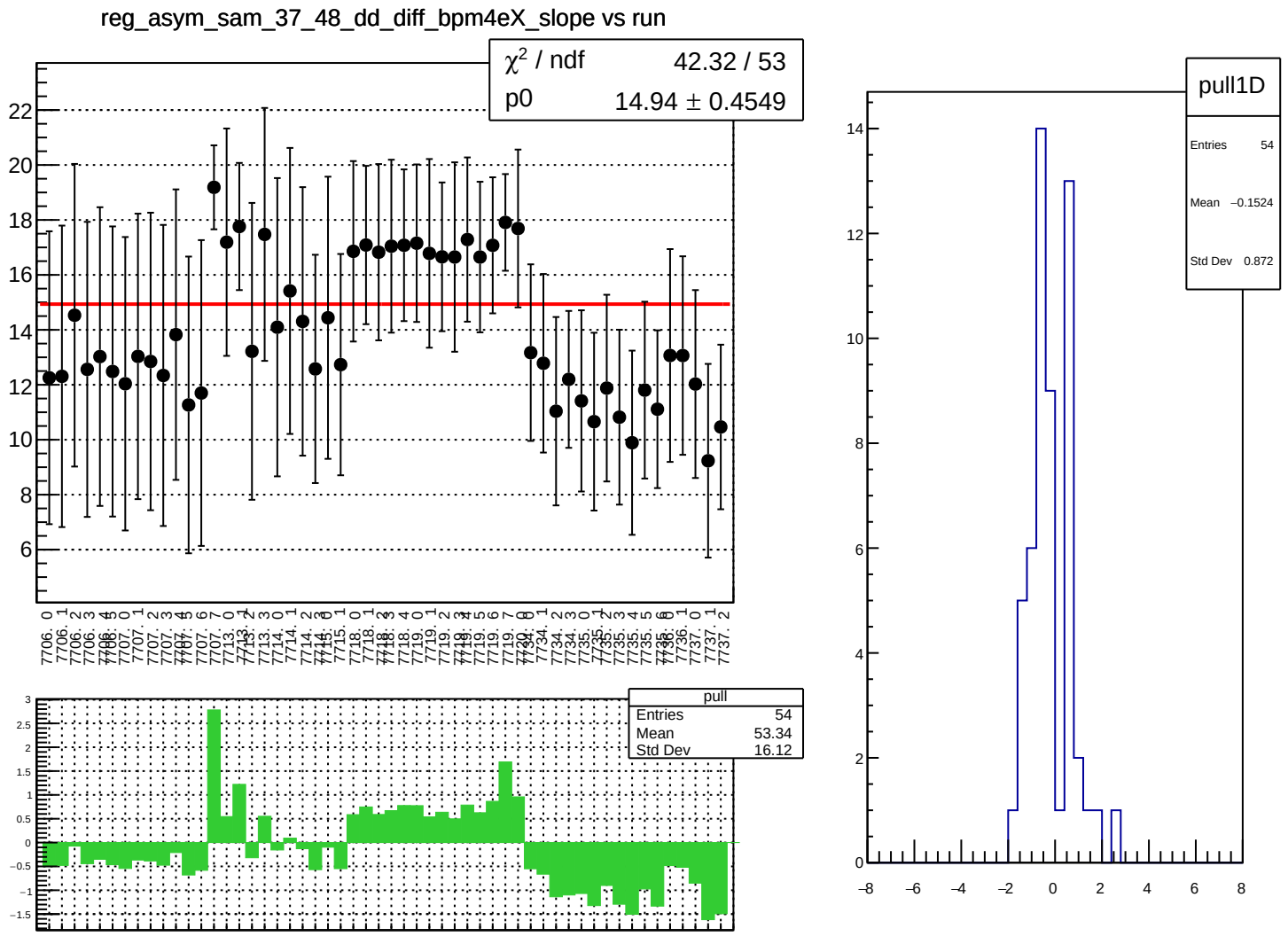

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.17 / 53
p0 0.4408 ± 0.08668
pull
Entries 54
Mean −3.927
Std Dev 0

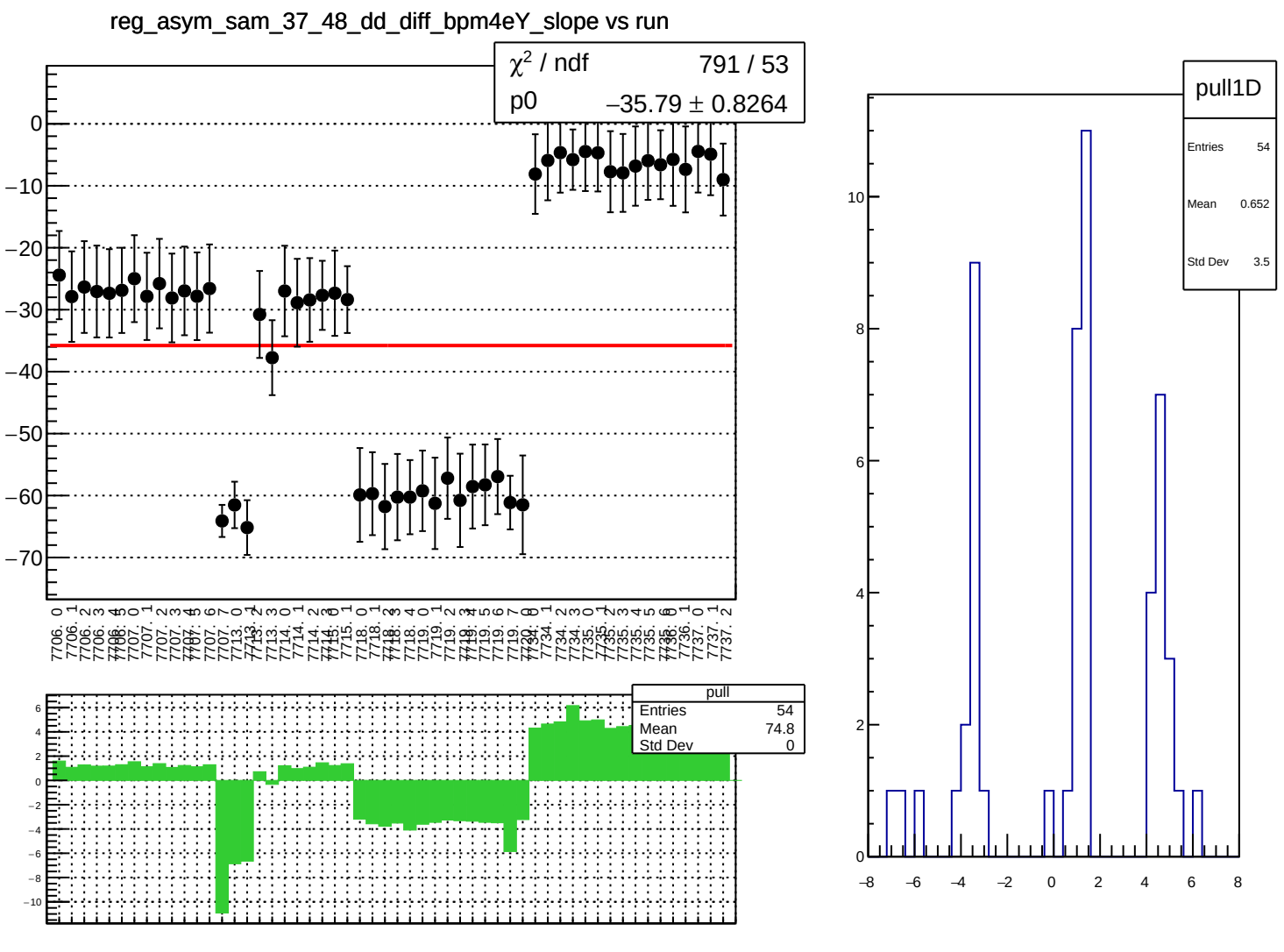

pull1D
Entries 54
Mean −0.03846
Std Dev 0.4531

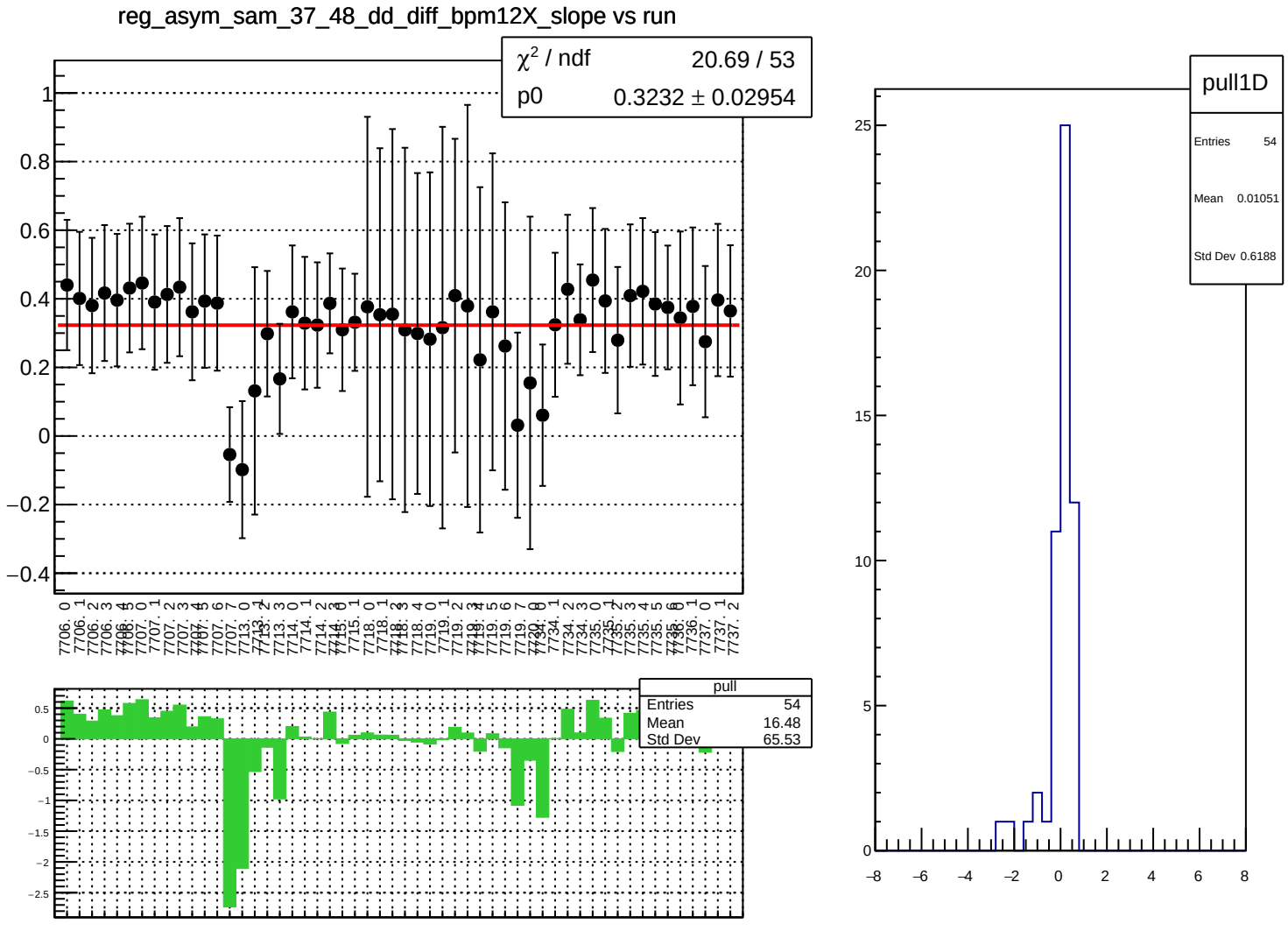

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 34.93 / 53
p0 0.6554 ± 0.5029
pull
Entries 54
Mean 53.1
Std Dev 24.4

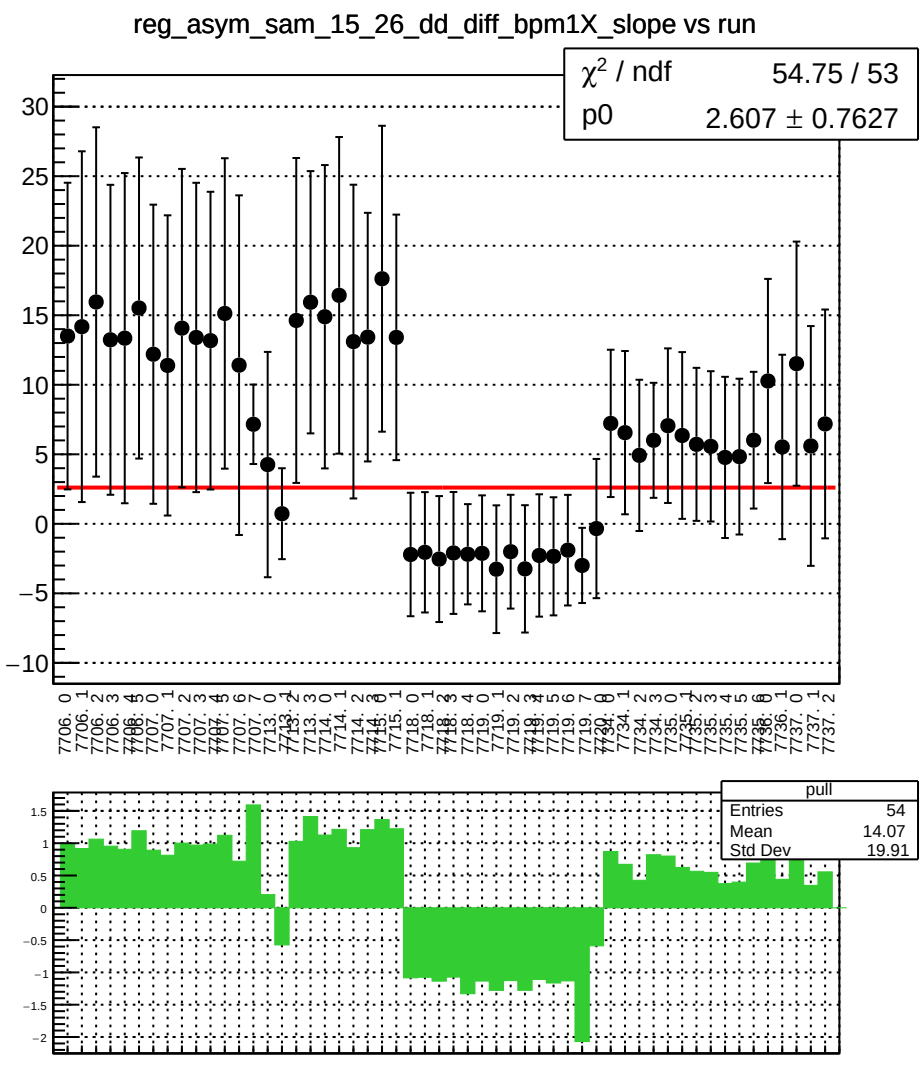

pull1D
Entries 54
Mean 0.0868
Std Dev 0.7996

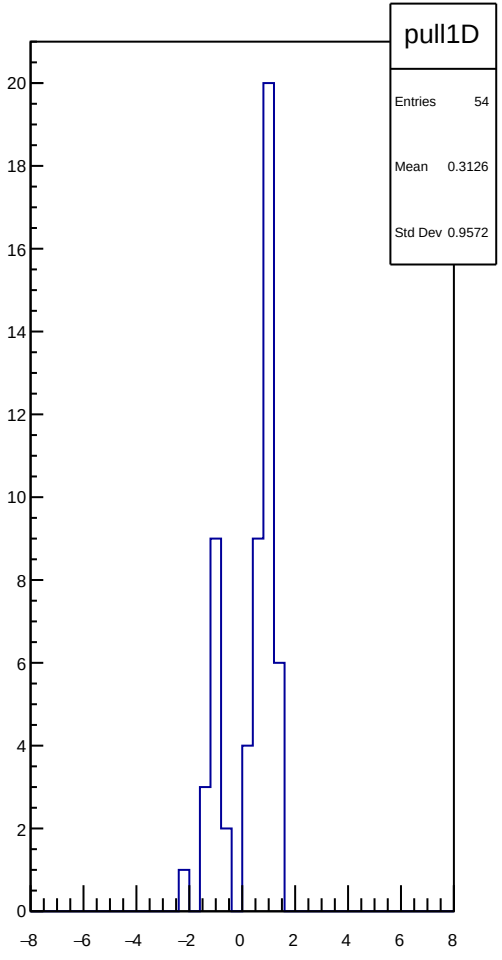

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 662.4 / 53
p0 −6.976 ± 0.55
pull
Entries 54
Mean 36.31
Std Dev 34.4
pull1D
Entries 54
Mean −0.5854
Std Dev 3.25

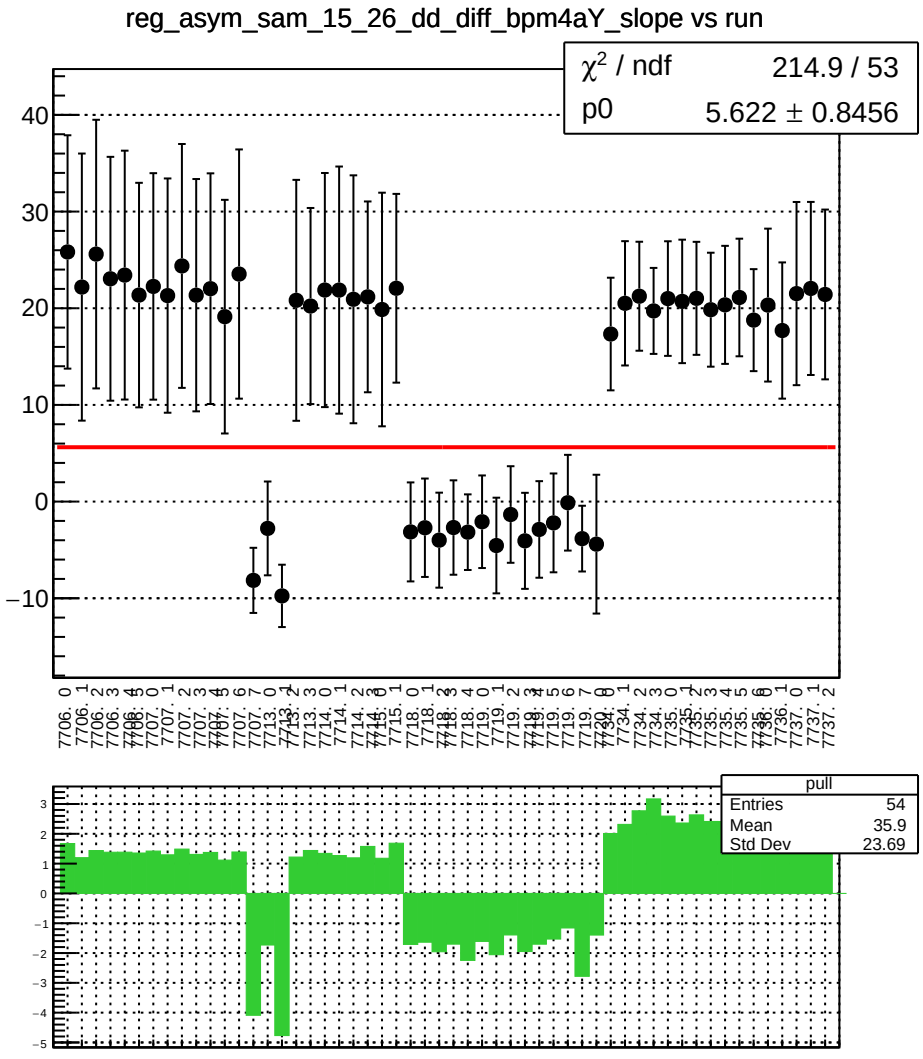

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.32 / 53
p0 14.94 ± 0.4549
pull
Entries 54
Mean 53.34
Std Dev 16.12
pull1D
Entries 54
Mean −0.1524
Std Dev 0.872

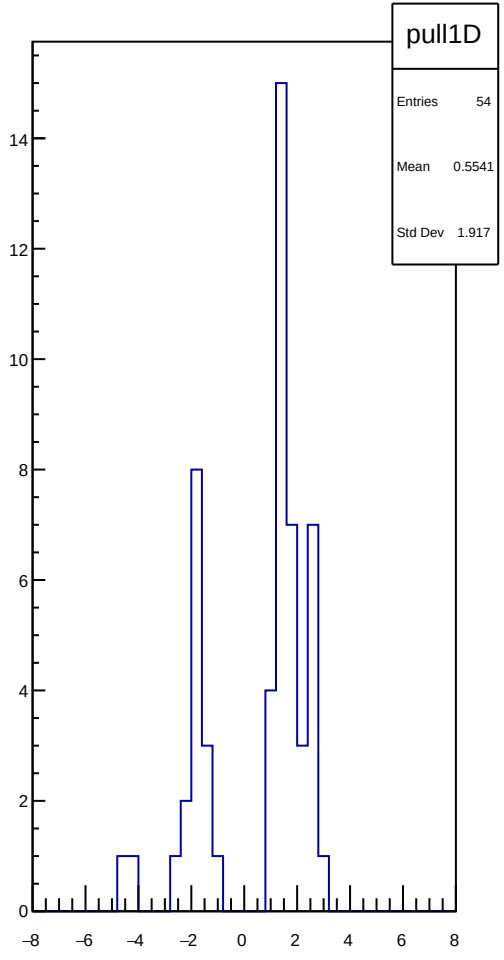

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 791 / 53
p0 −35.79 ± 0.8264
pull
Entries 54
Mean 74.8
Std Dev 0
pull1D
Entries 54
Mean 0.652
Std Dev 3.5

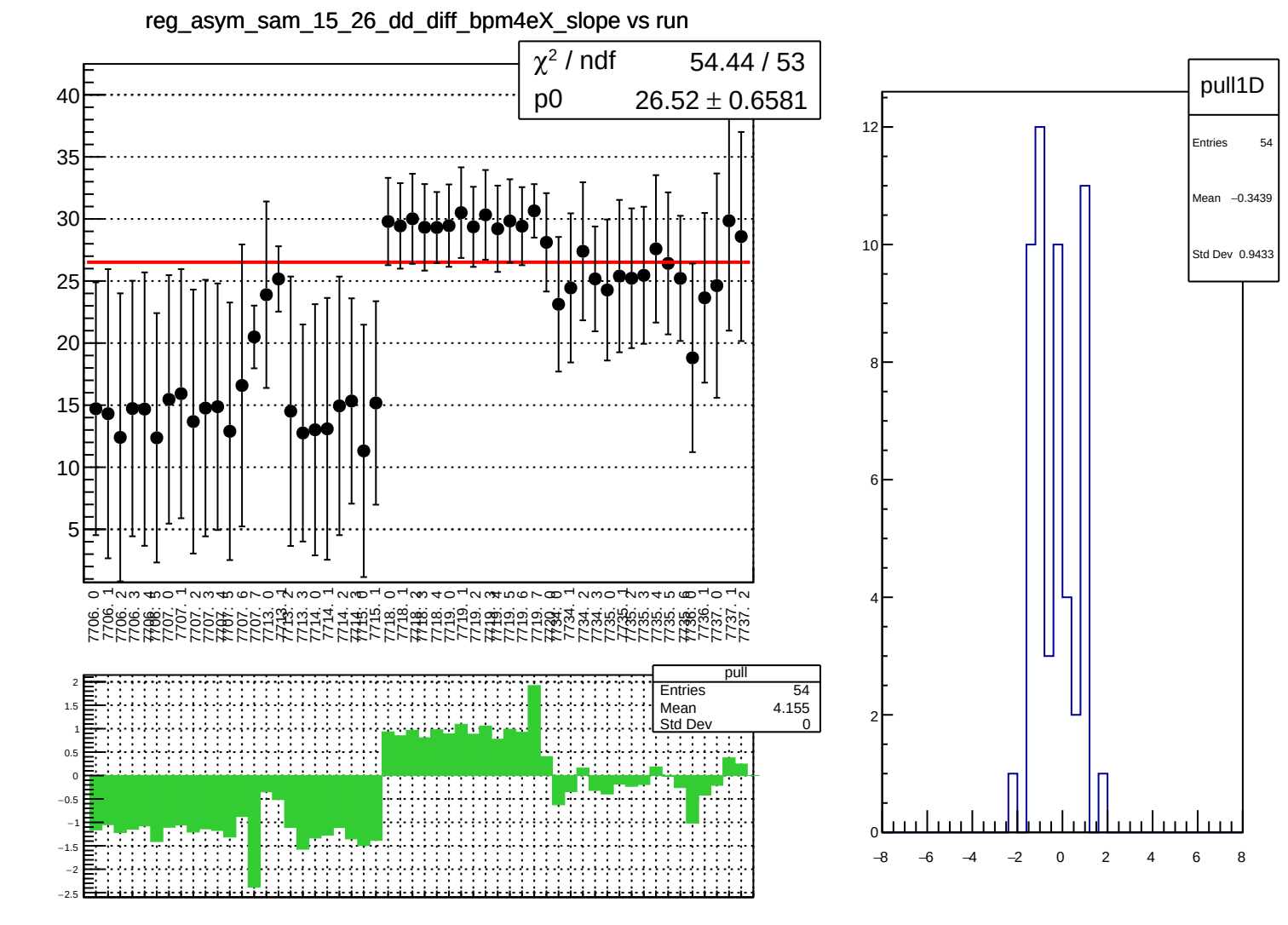

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 20.69 / 53
p0 0.3232 ± 0.02954
pull
Entries 54
Mean 16.48
Std Dev 65.53
pull1D
Entries 54
Mean 0.01051
Std Dev 0.6188

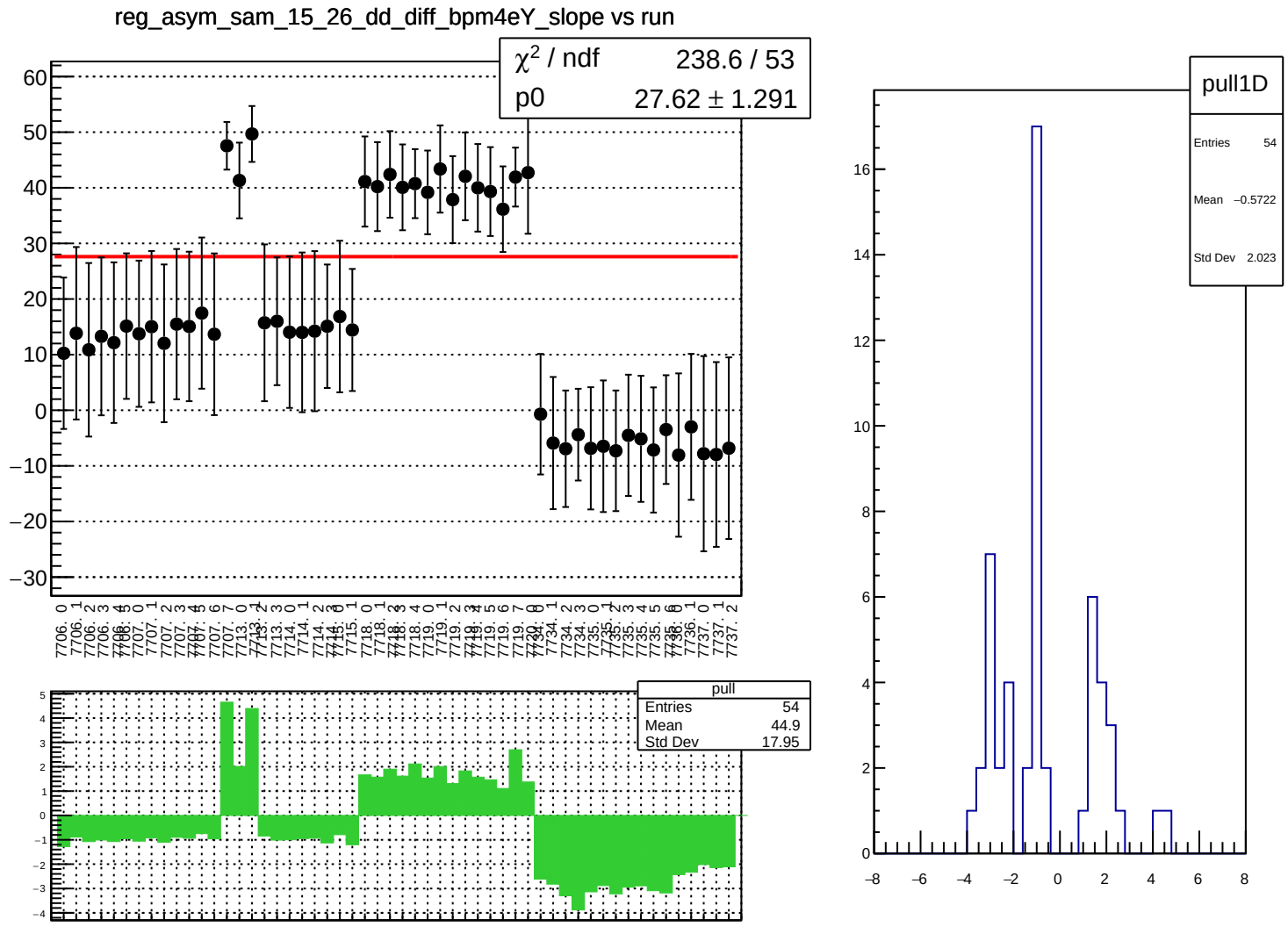

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 54.75 / 53
p0 2.607 ± 0.7627
pull
Entries 54
Mean 14.07
Std Dev 19.91

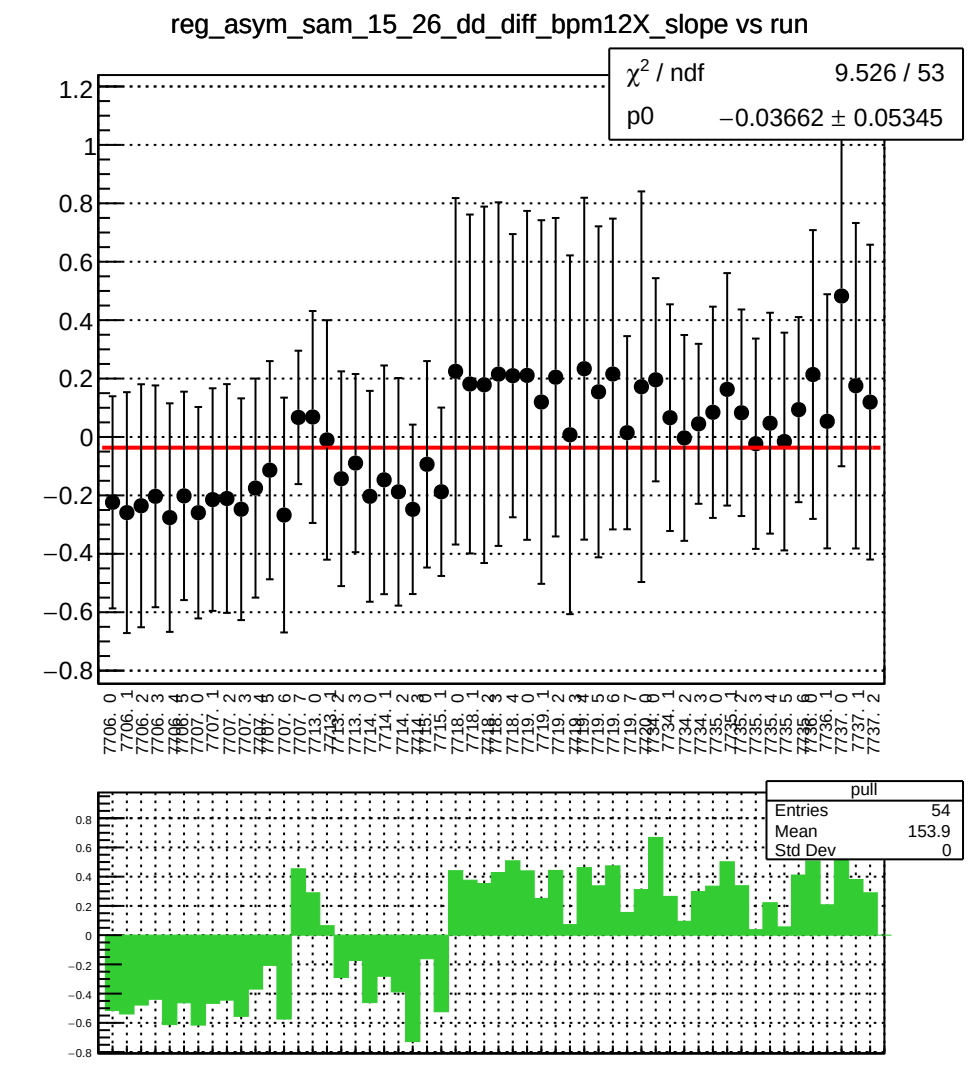

pull1D
Entries 54
Mean 0.3126
Std Dev 0.9572

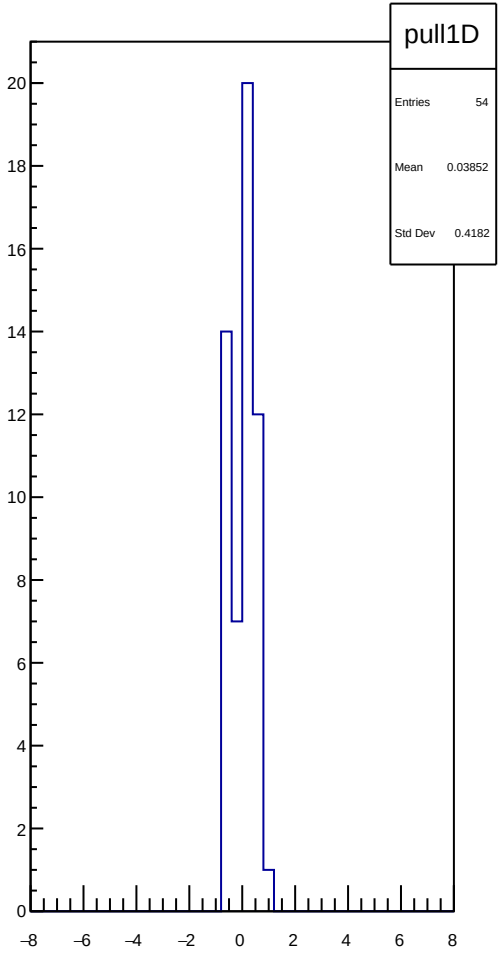

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 214.9 / 53
p0 5.622 ± 0.8456
pull
Entries 54
Mean 35.9
Std Dev 23.69

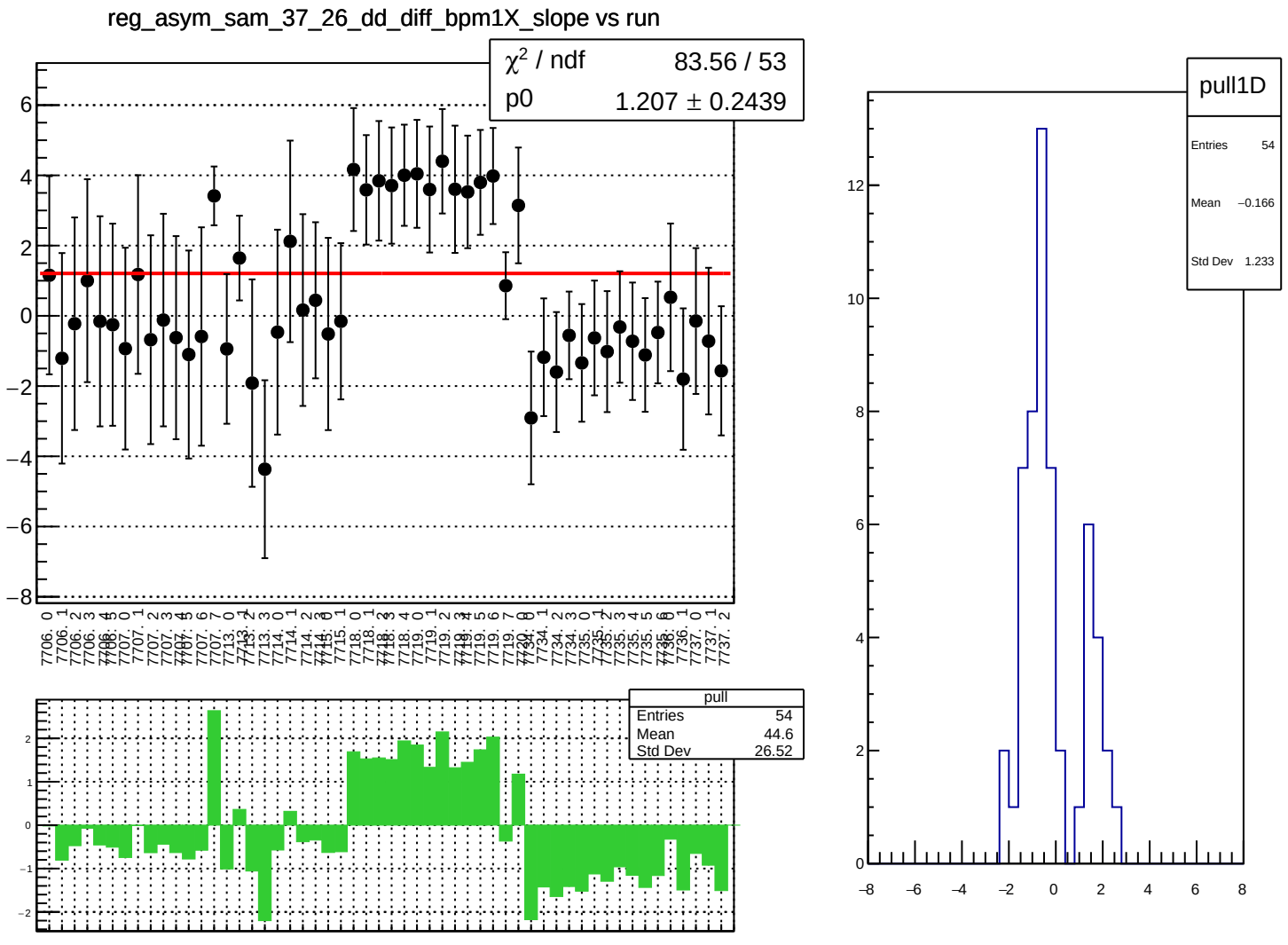

pull1D
Entries 54
Mean 0.5541
Std Dev 1.917

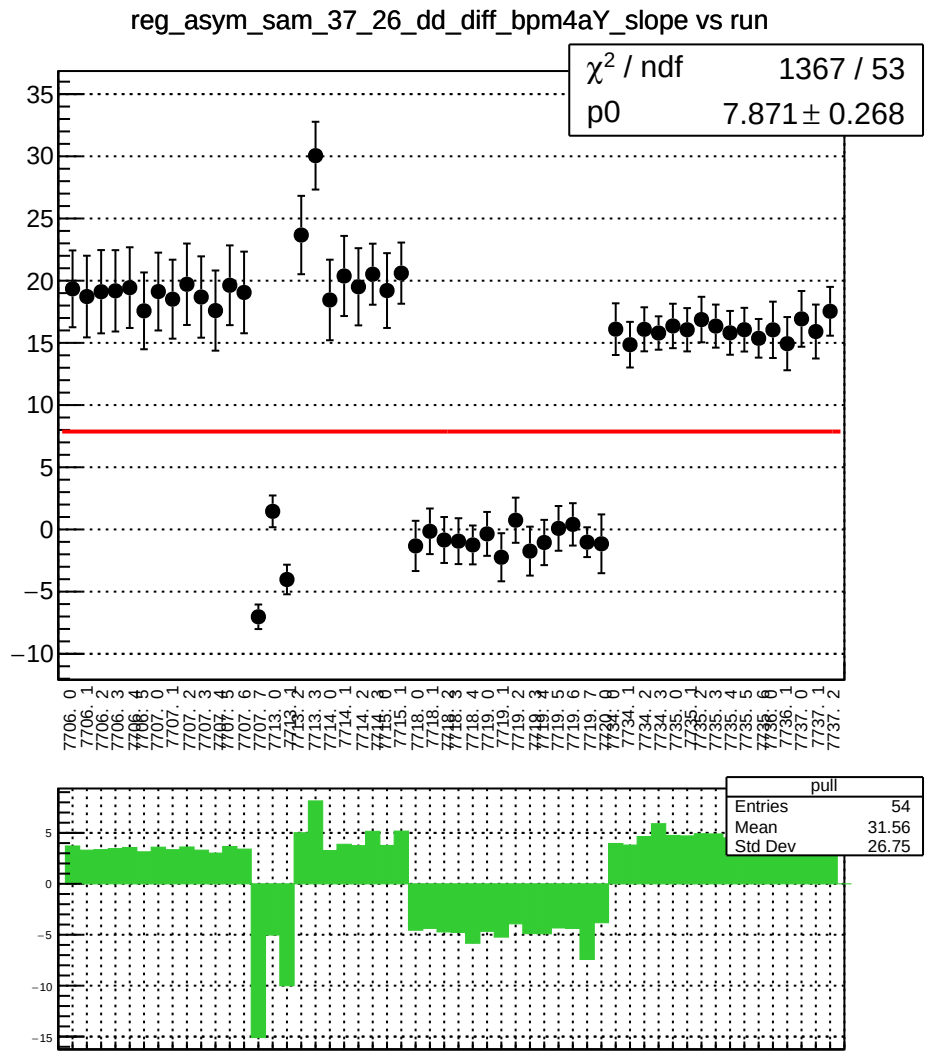

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.44 / 53
p0 26.52 ± 0.6581
pull
Entries 54
Mean 4.155
Std Dev 0
pull1D
Entries 54
Mean −0.3439
Std Dev 0.9433

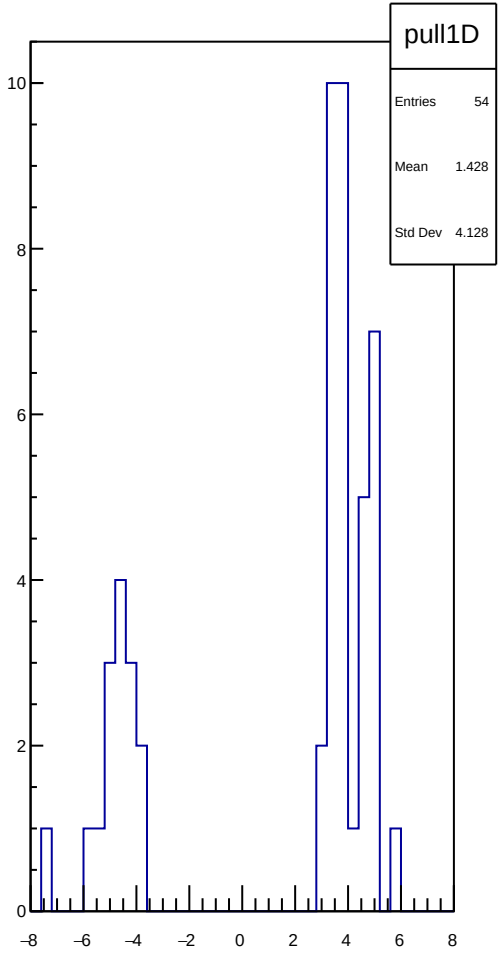

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 238.6 / 53
p0 27.62 ± 1.291
pull
Entries 54
Mean 44.9
Std Dev 17.95
pull1D
Entries 54
Mean −0.5722
Std Dev 2.023

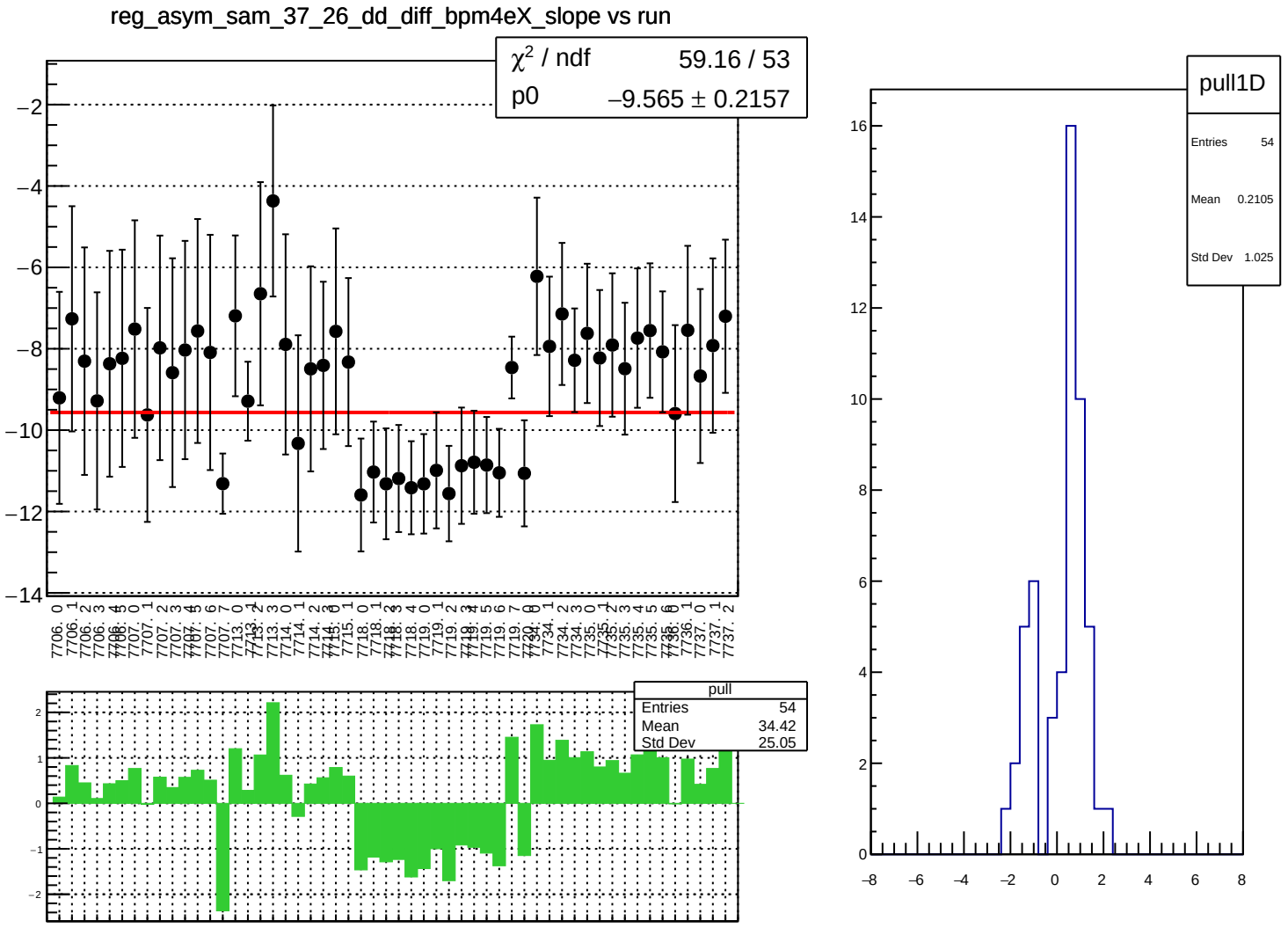

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.526 / 53
p0 −0.03662 ± 0.05345
pull
Entries 54
Mean 153.9
Std Dev 0

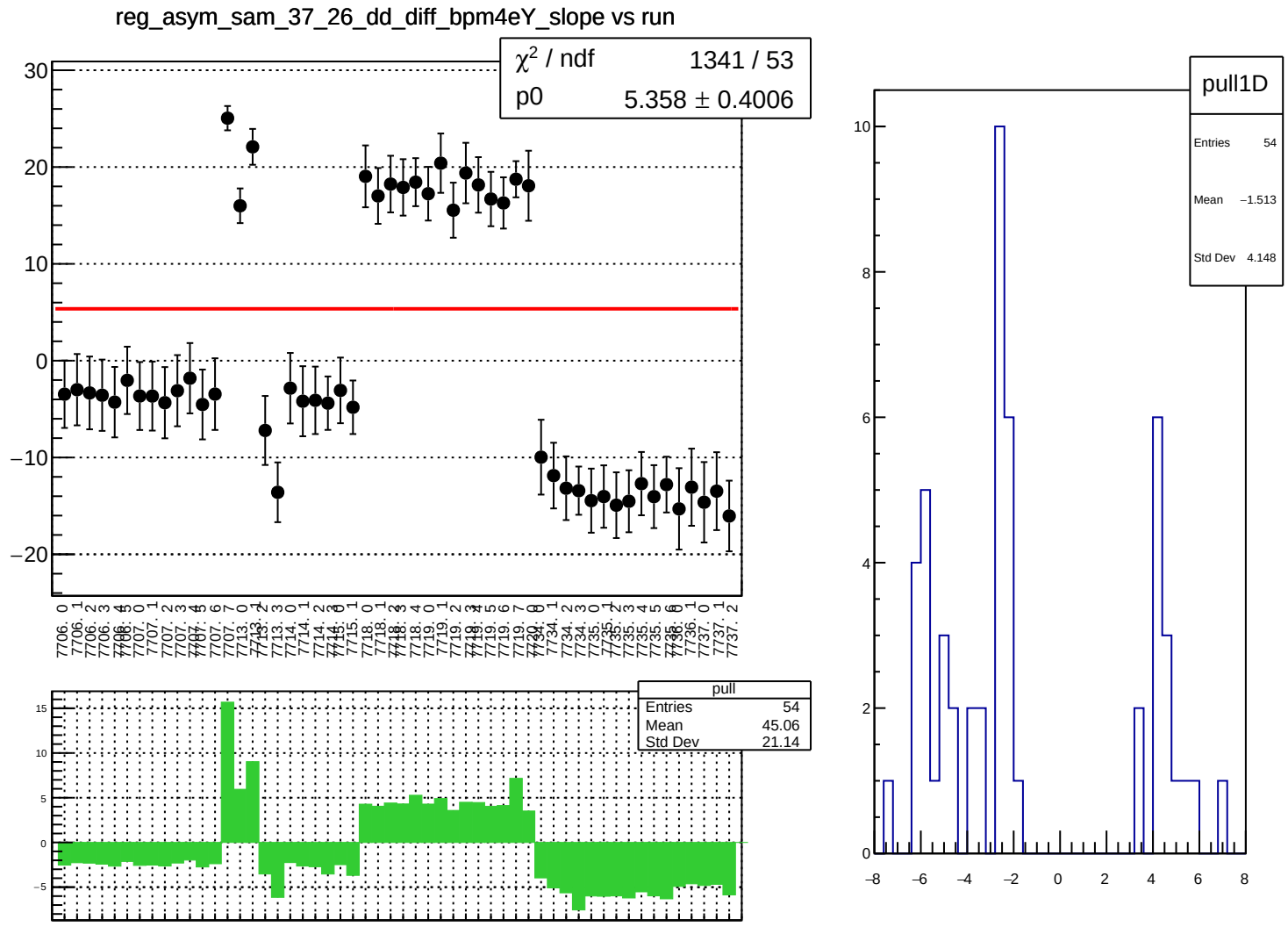

pull1D
Entries 54
Mean 0.03852
Std Dev 0.4182

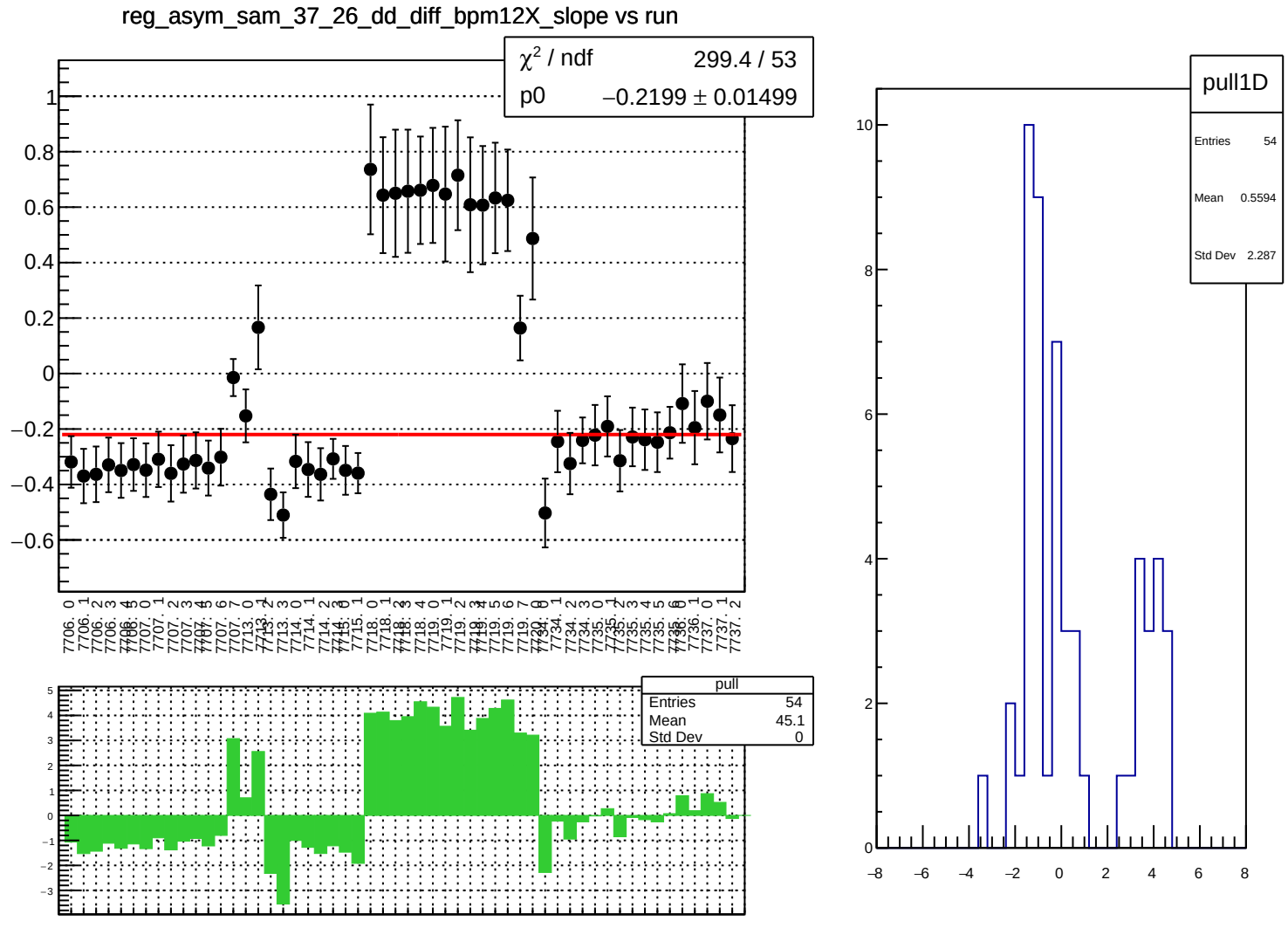

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 83.56 / 53
p0 1.207 ± 0.2439
pull
Entries 54
Mean 44.6
Std Dev 26.52
pull1D
Entries 54
Mean −0.166
Std Dev 1.233

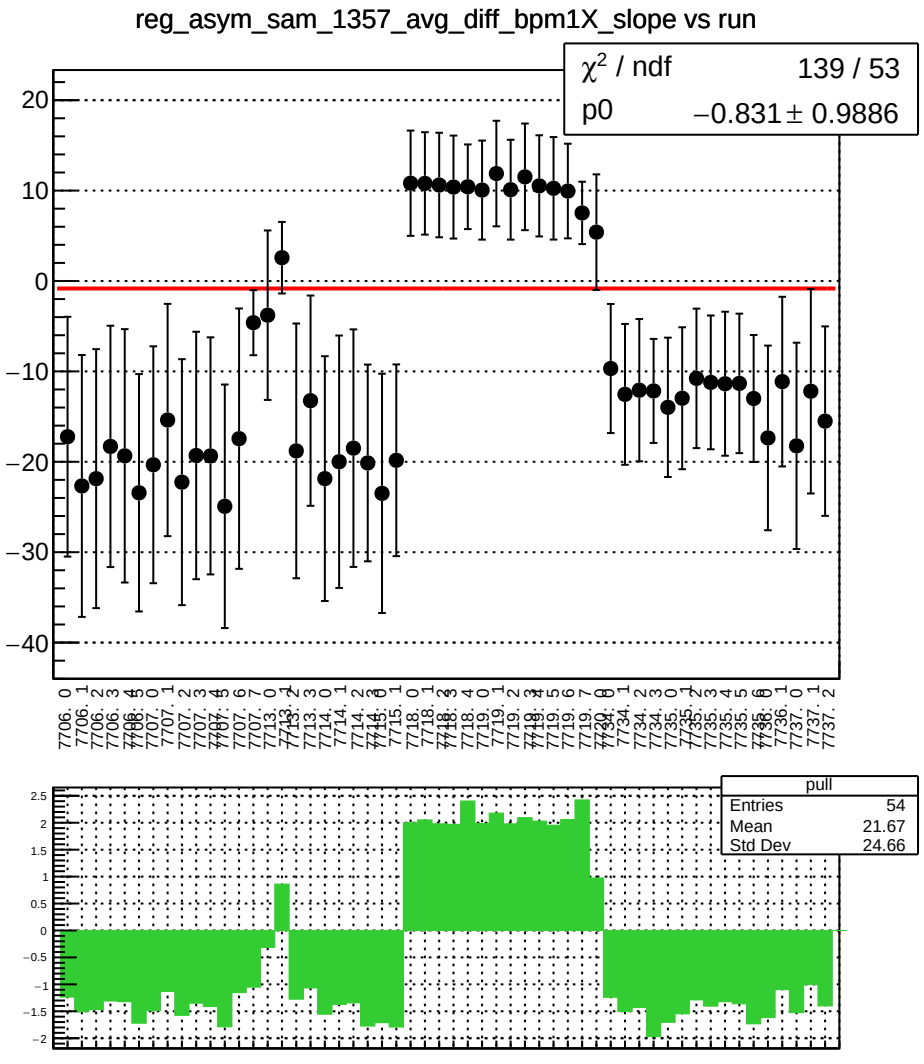

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1367 / 53
p0 7.871 ± 0.268
pull
Entries 54
Mean 31.56
Std Dev 26.75

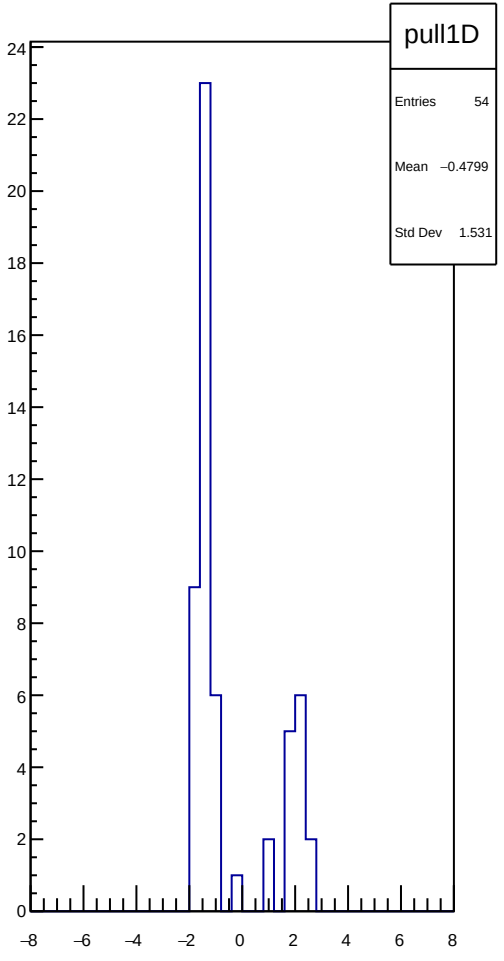

pull1D
Entries 54
Mean 1.428
Std Dev 4.128

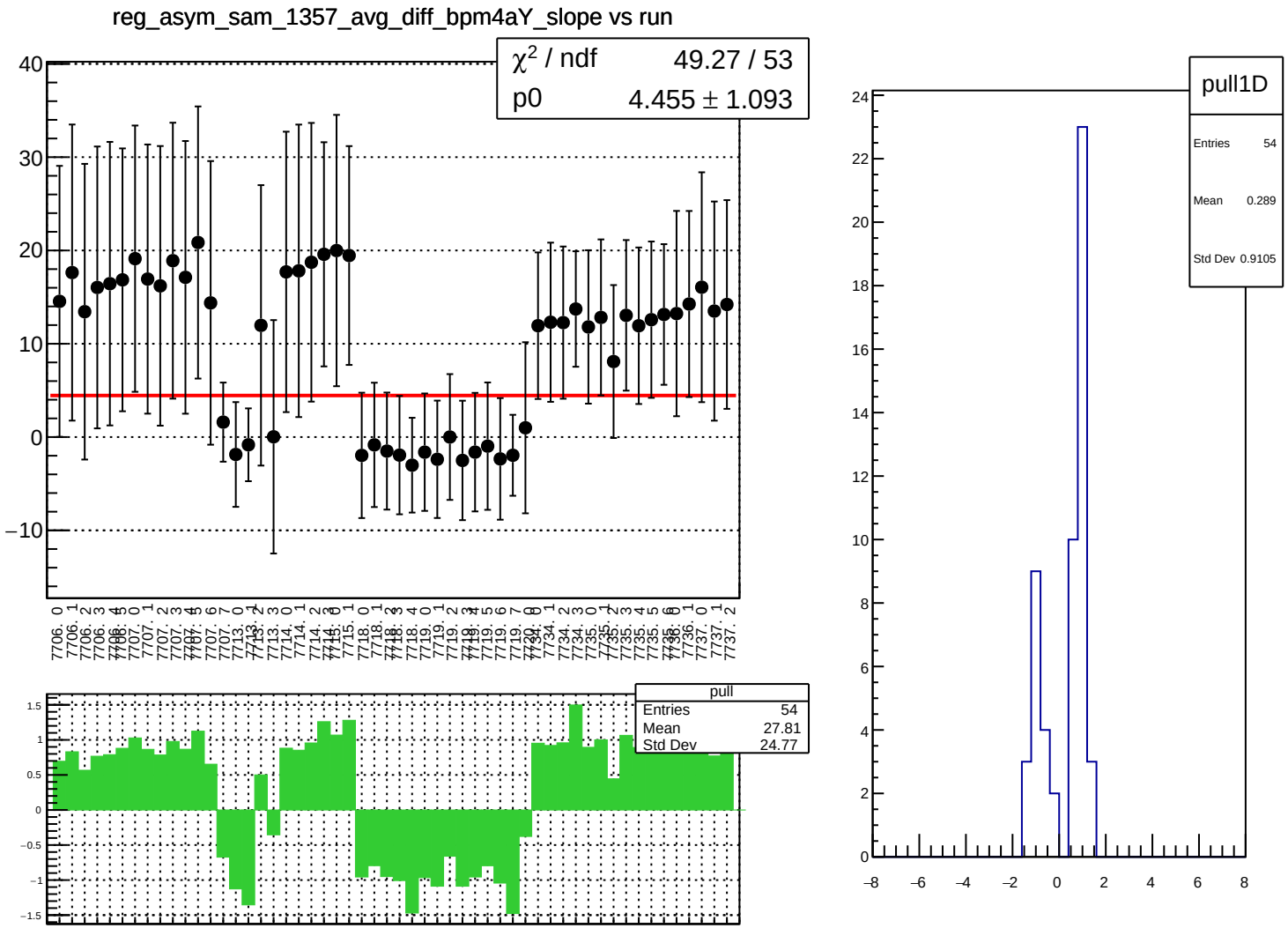

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.16 / 53
p0 −9.565 ± 0.2157
pull
Entries 54
Mean 34.42
Std Dev 25.05
pull1D
Entries 54
Mean 0.2105
Std Dev 1.025

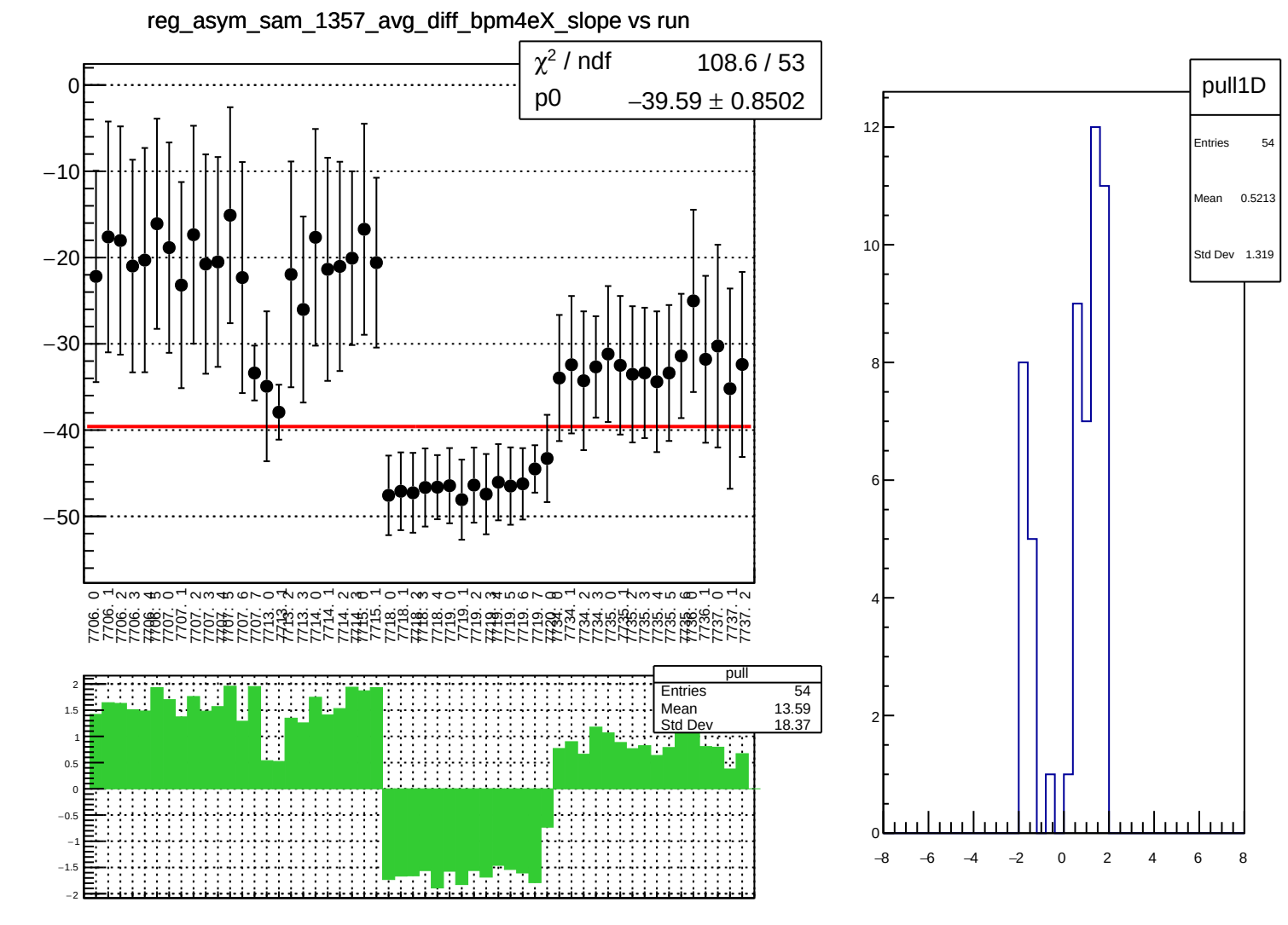

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1341 / 53
p0 5.358 ± 0.4006
pull
Entries 54
Mean 45.06
Std Dev 21.14
pull1D
Entries 54
Mean −1.513
Std Dev 4.148

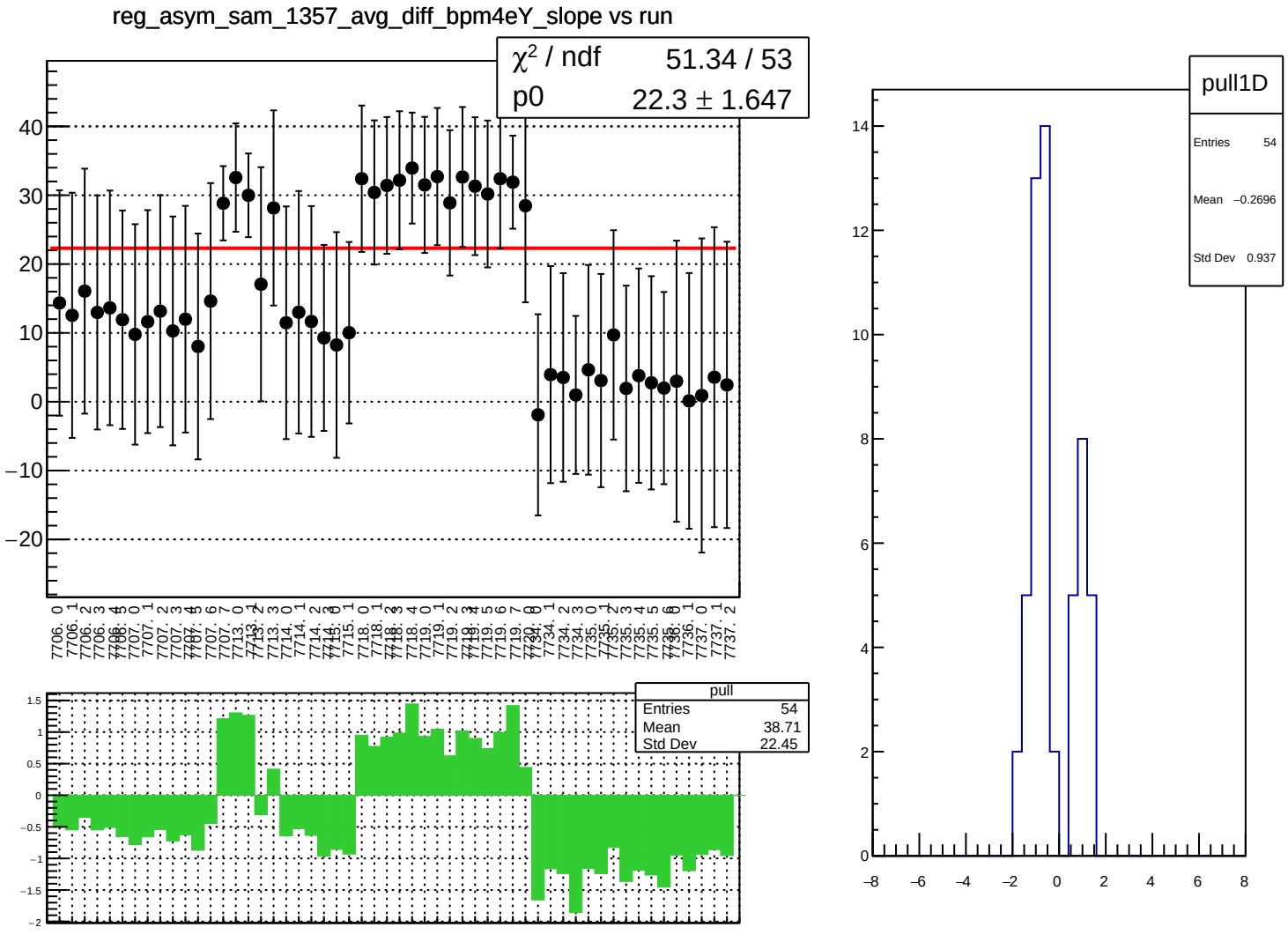

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 299.4 / 53
p0 −0.2199 ± 0.01499
pull
Entries 54
Mean 45.1
Std Dev 0
pull1D
Entries 54
Mean 0.5594
Std Dev 2.287

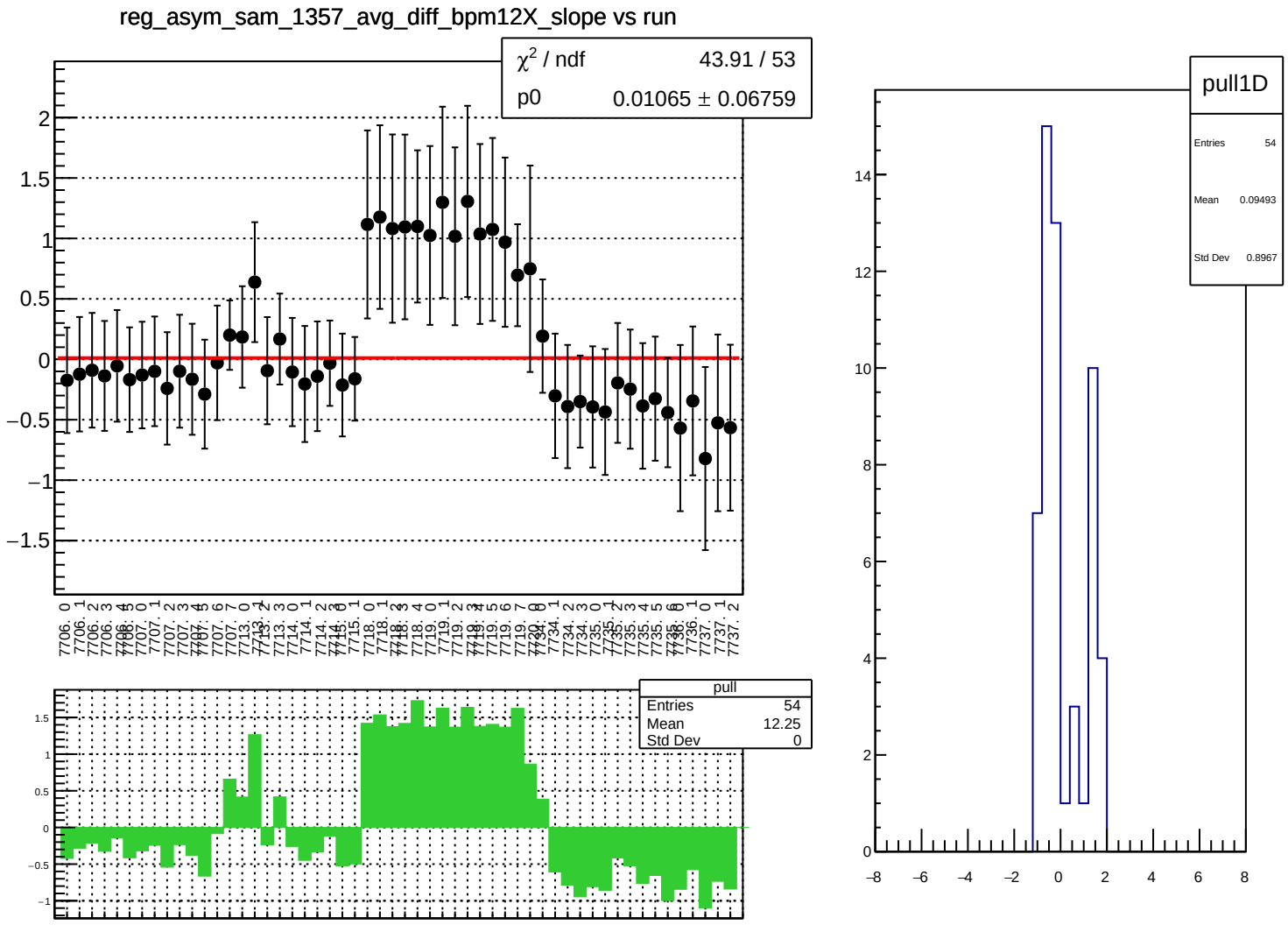

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 139 / 53
p0 −0.831 ± 0.9886
pull
Entries 54
Mean 21.67
Std Dev 24.66

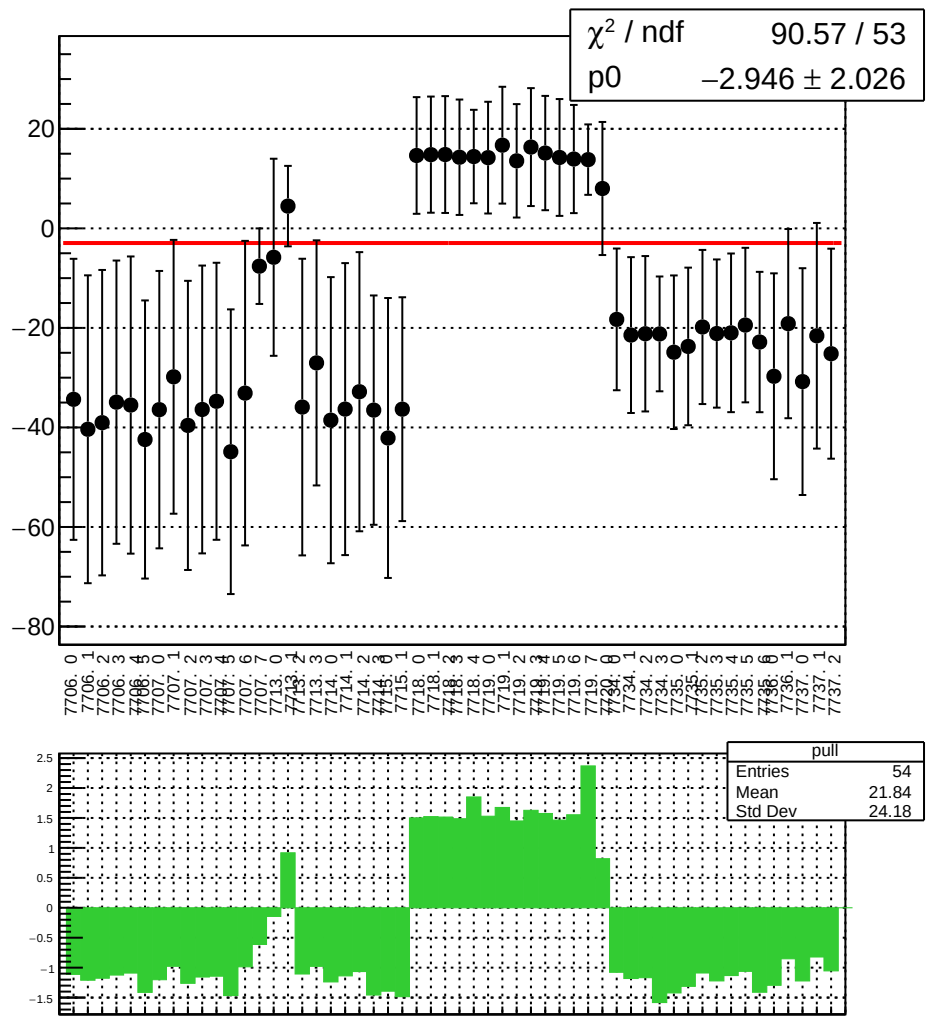

pull1D
Entries 54
Mean −0.4799
Std Dev 1.531

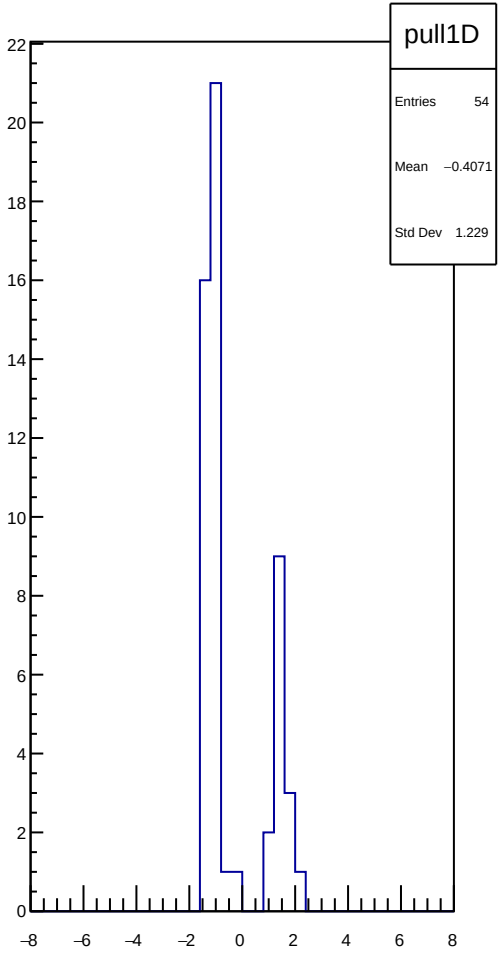

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.27 / 53
p0 4.455 ± 1.093
pull
Entries 54
Mean 27.81
Std Dev 24.77
pull1D
Entries 54
Mean 0.289
Std Dev 0.9105

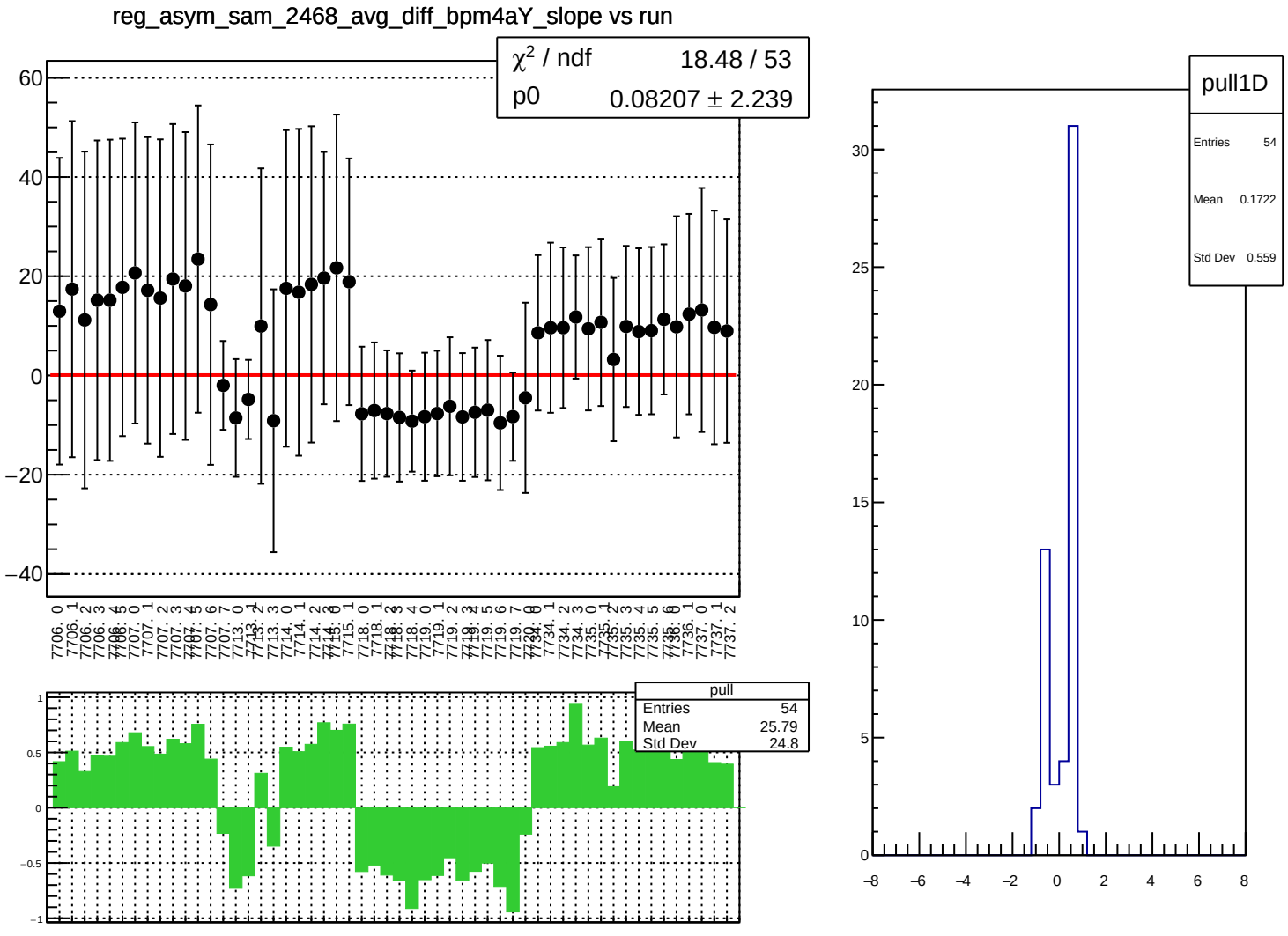

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 108.6 / 53
p0 −39.59 ± 0.8502
pull
Entries 54
Mean 13.59
Std Dev 18.37
pull1D
Entries 54
Mean 0.5213
Std Dev 1.319

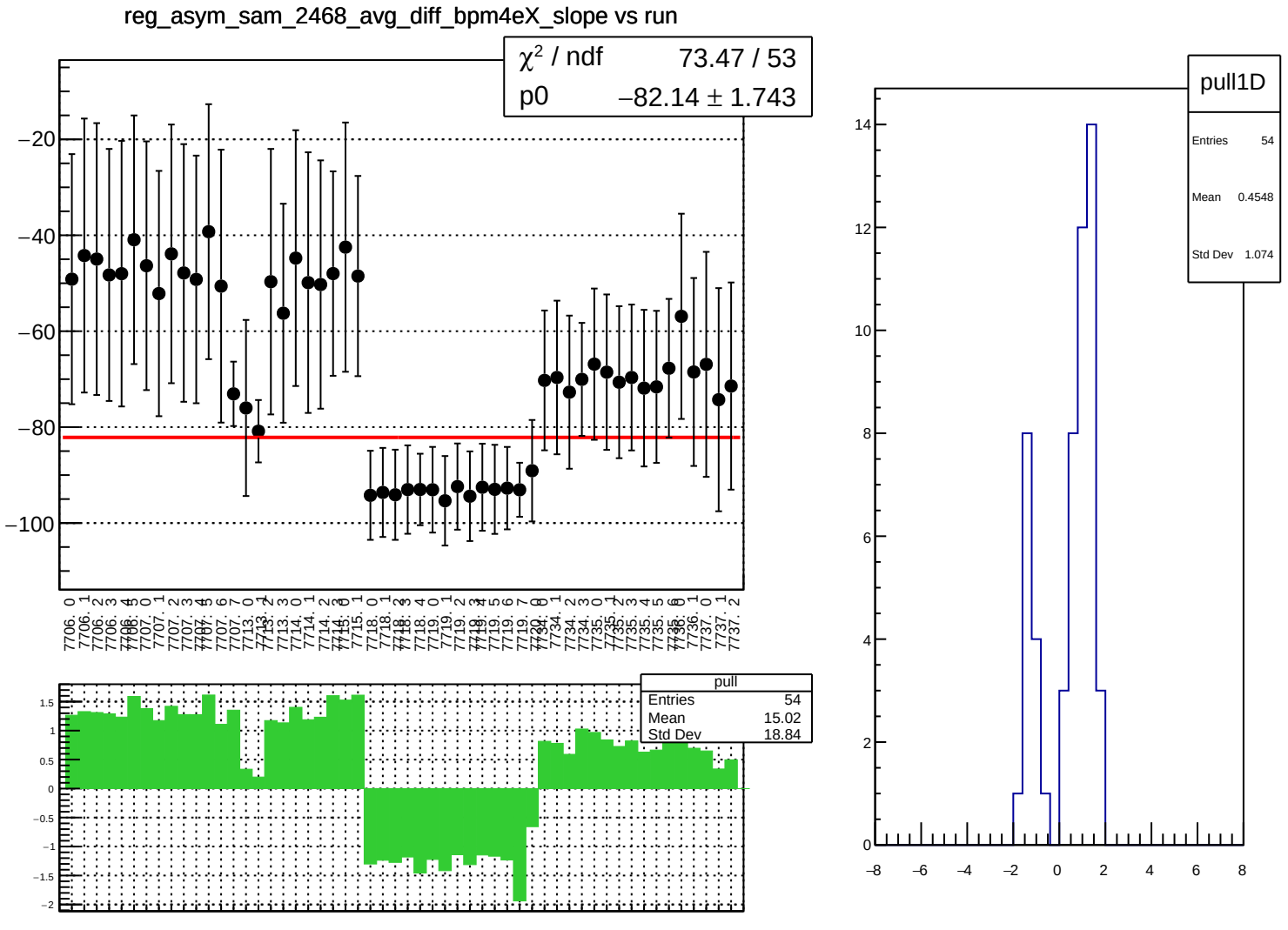

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.34 / 53
p0 22.3 ± 1.647
pull
Entries 54
Mean 38.71
Std Dev 22.45
pull1D
Entries 54
Mean −0.2696
Std Dev 0.937

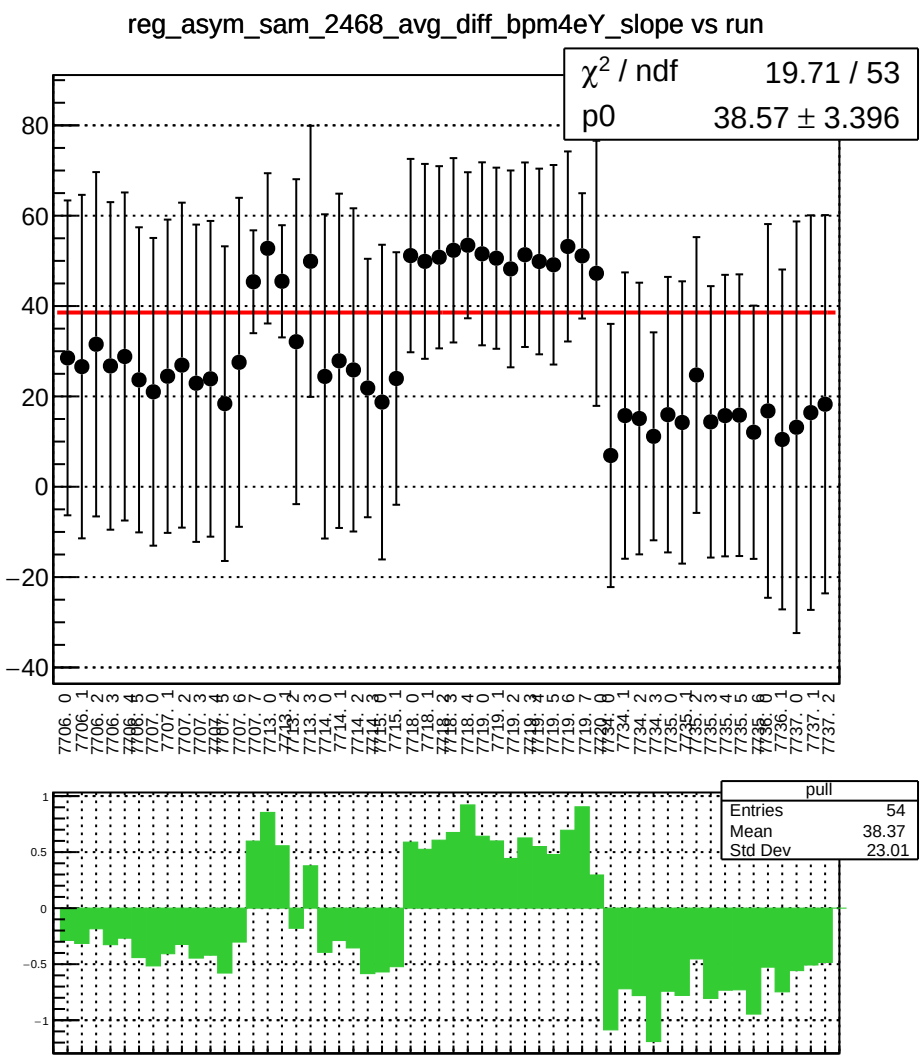

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 43.91 / 53
p0 0.01065 ± 0.06759
pull
Entries 54
Mean 12.25
Std Dev 0
pull1D
Entries 54
Mean 0.09493
Std Dev 0.8967

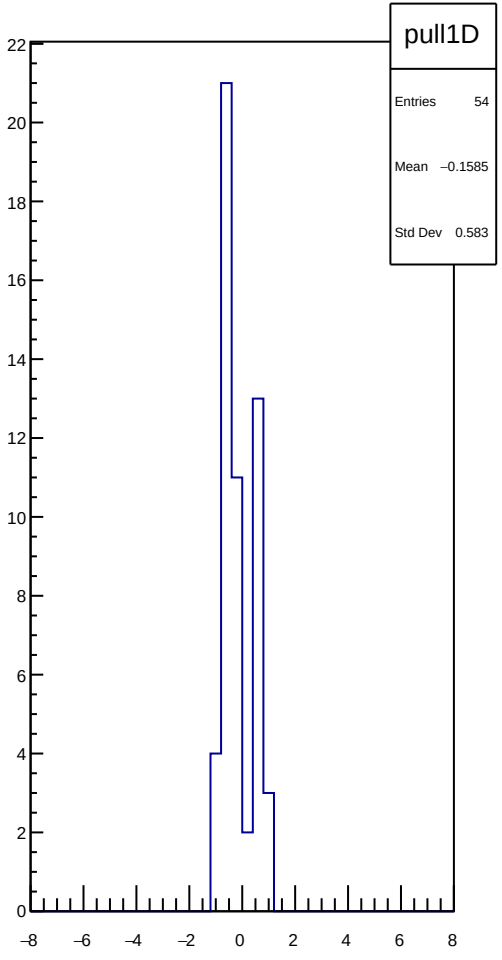

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 90.57 / 53
p0 −2.946 ± 2.026
pull
Entries 54
Mean 21.84
Std Dev 24.18

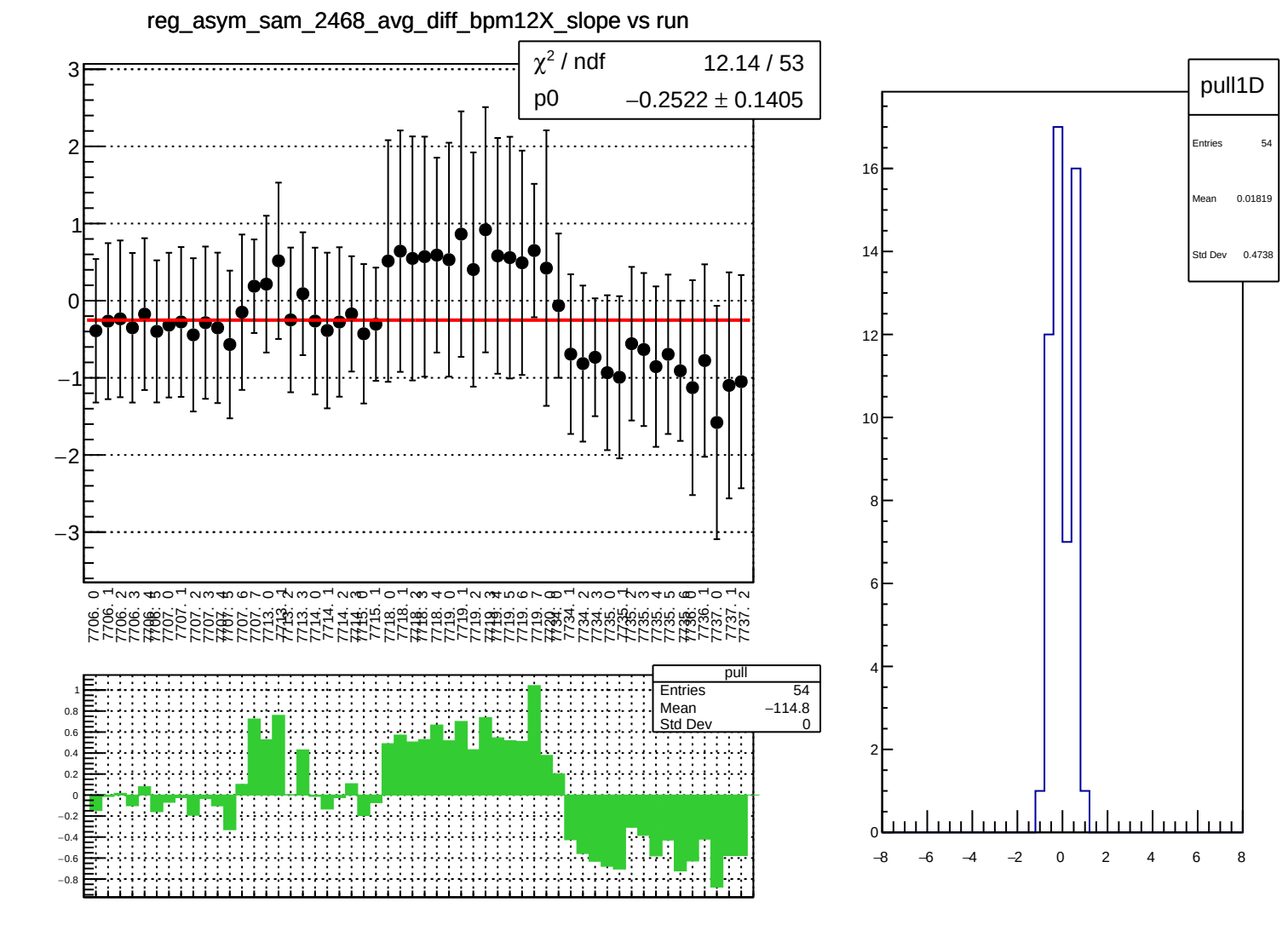

pull1D
Entries 54
Mean −0.4071
Std Dev 1.229

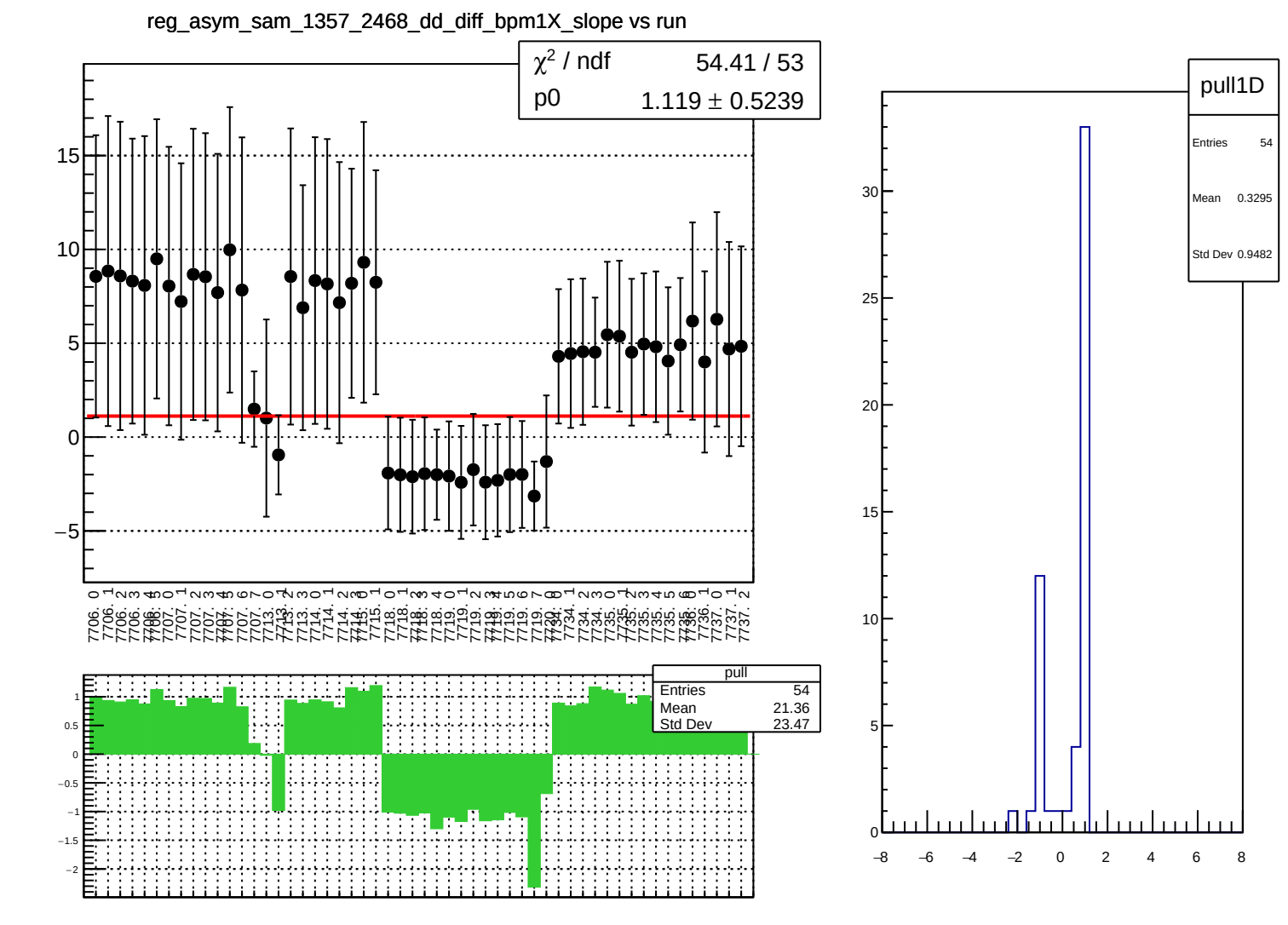

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.48 / 53
p0 0.08207 ± 2.239
pull
Entries 54
Mean 25.79
Std Dev 24.8
pull1D
Entries 54
Mean 0.1722
Std Dev 0.559

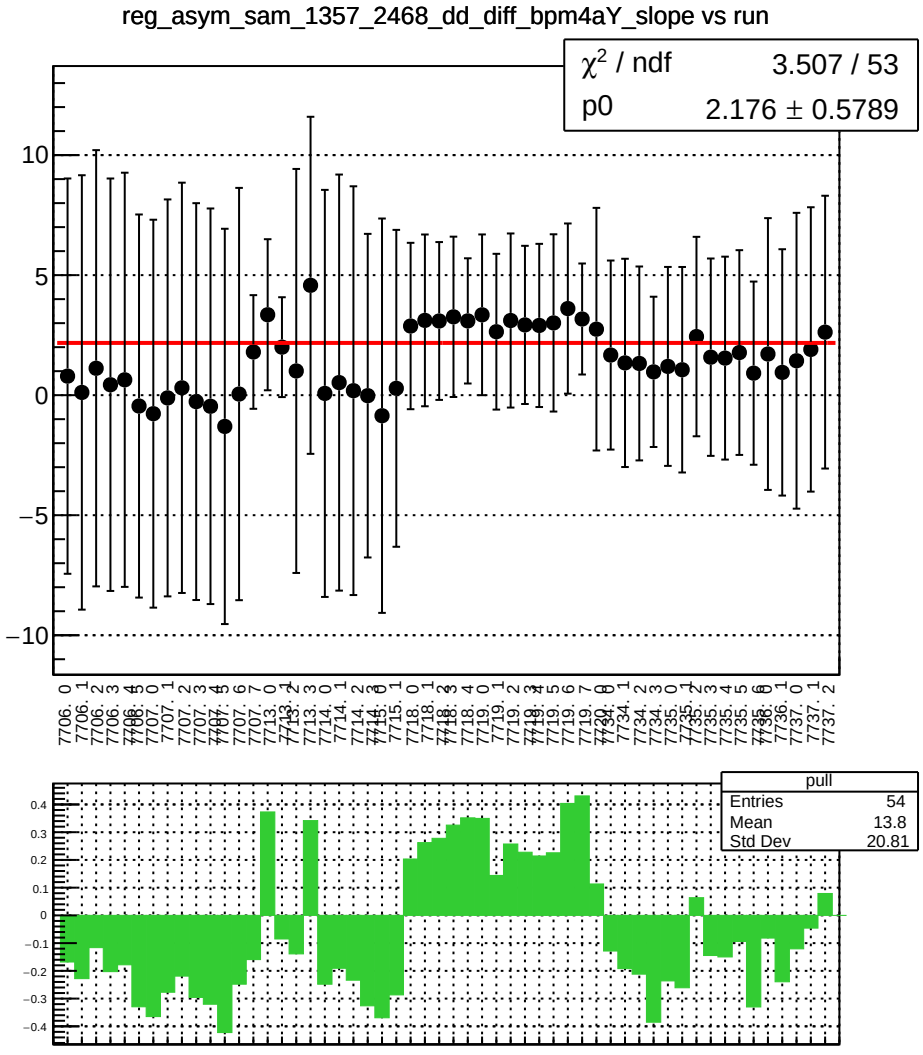

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.47 / 53
p0 −82.14 ± 1.743
pull
Entries 54
Mean 15.02
Std Dev 18.84
pull1D
Entries 54
Mean 0.4548
Std Dev 1.074

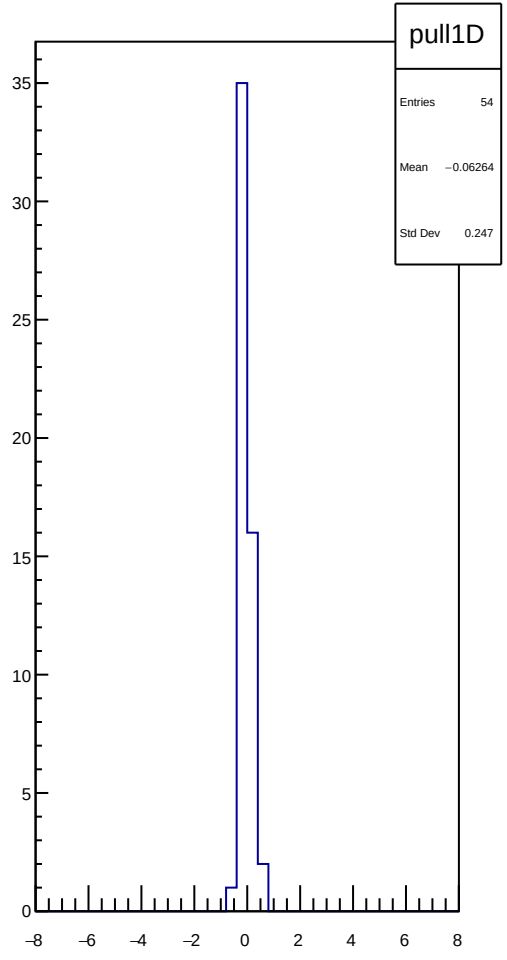

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.71 / 53
p0 38.57 ± 3.396
pull
Entries 54
Mean 38.37
Std Dev 23.01

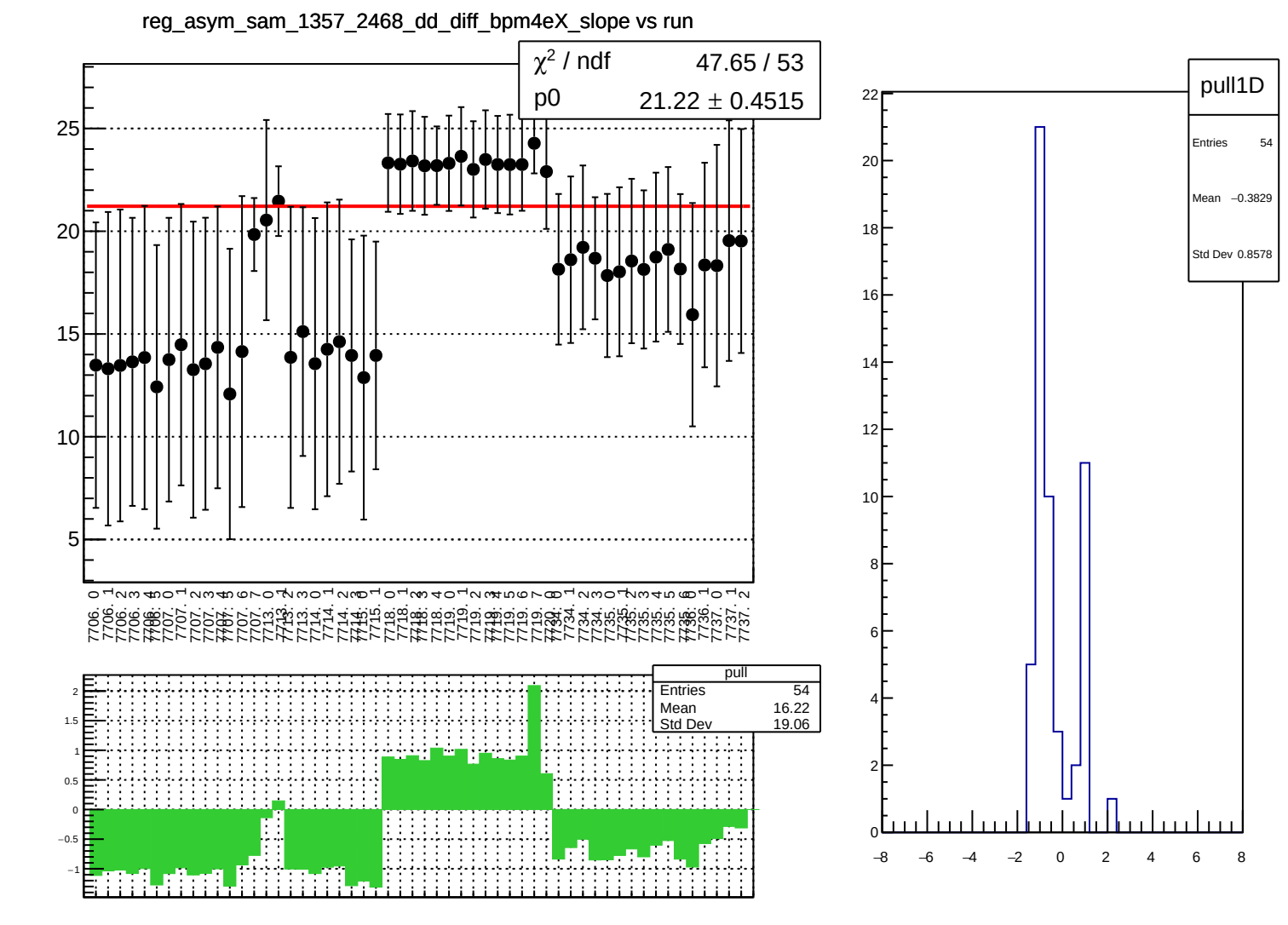

pull1D
Entries 54
Mean −0.1585
Std Dev 0.583

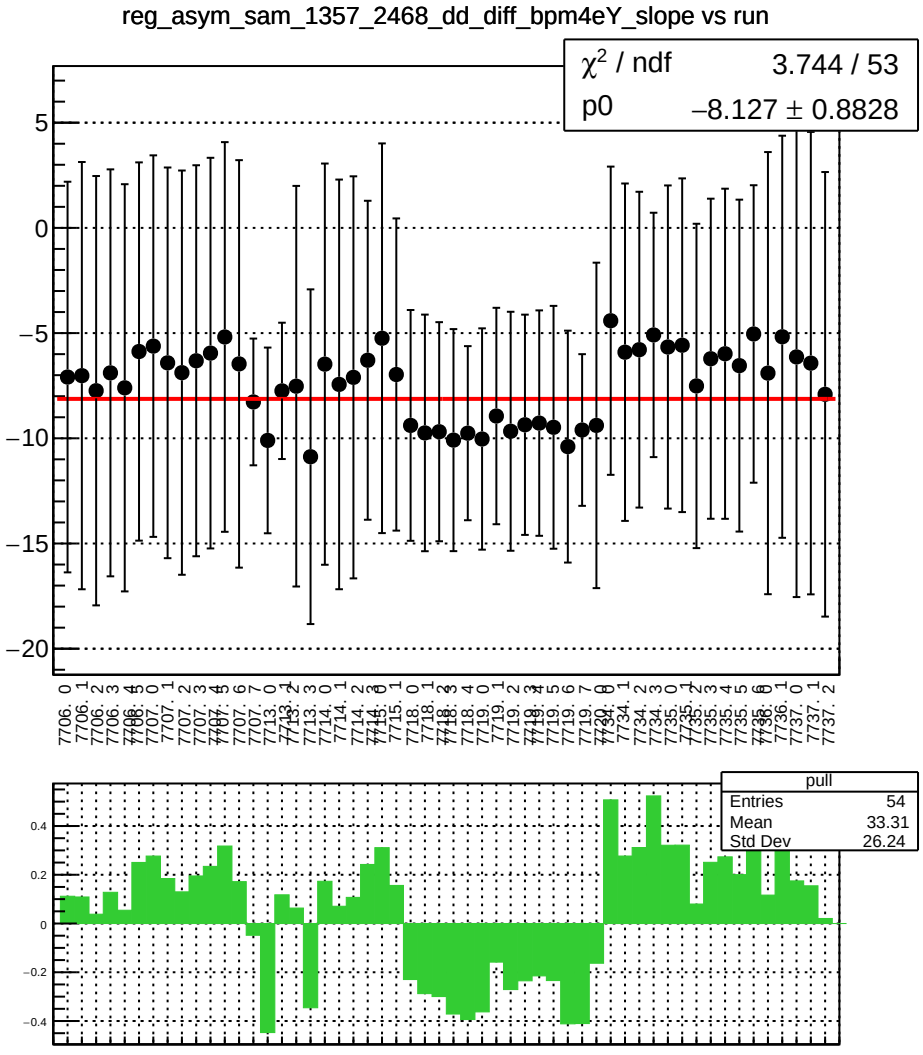

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 12.14 / 53
p0 −0.2522 ± 0.1405
pull
Entries 54
Mean −114.8
Std Dev 0
pull1D
Entries 54
Mean 0.01819
Std Dev 0.4738

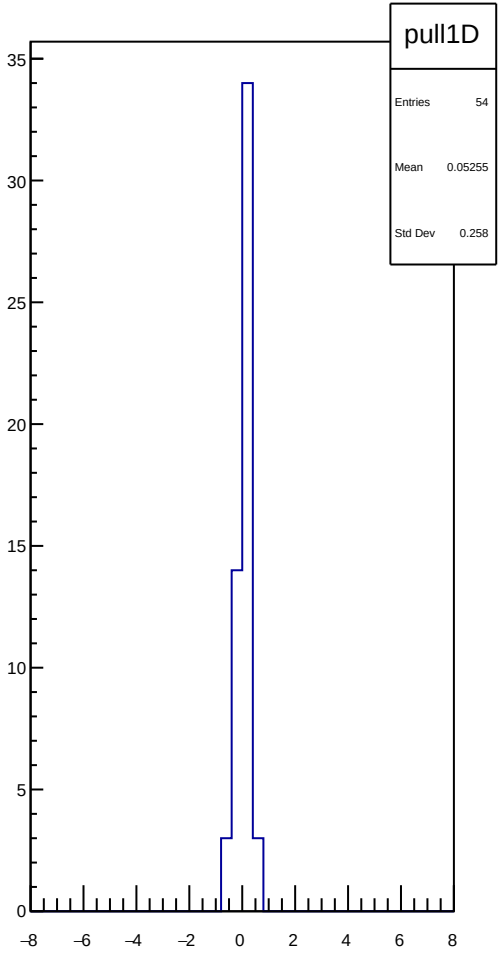

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 54.41 / 53
p0 1.119 ± 0.5239
pull
Entries 54
Mean 21.36
Std Dev 23.47
pull1D
Entries 54
Mean 0.3295
Std Dev 0.9482

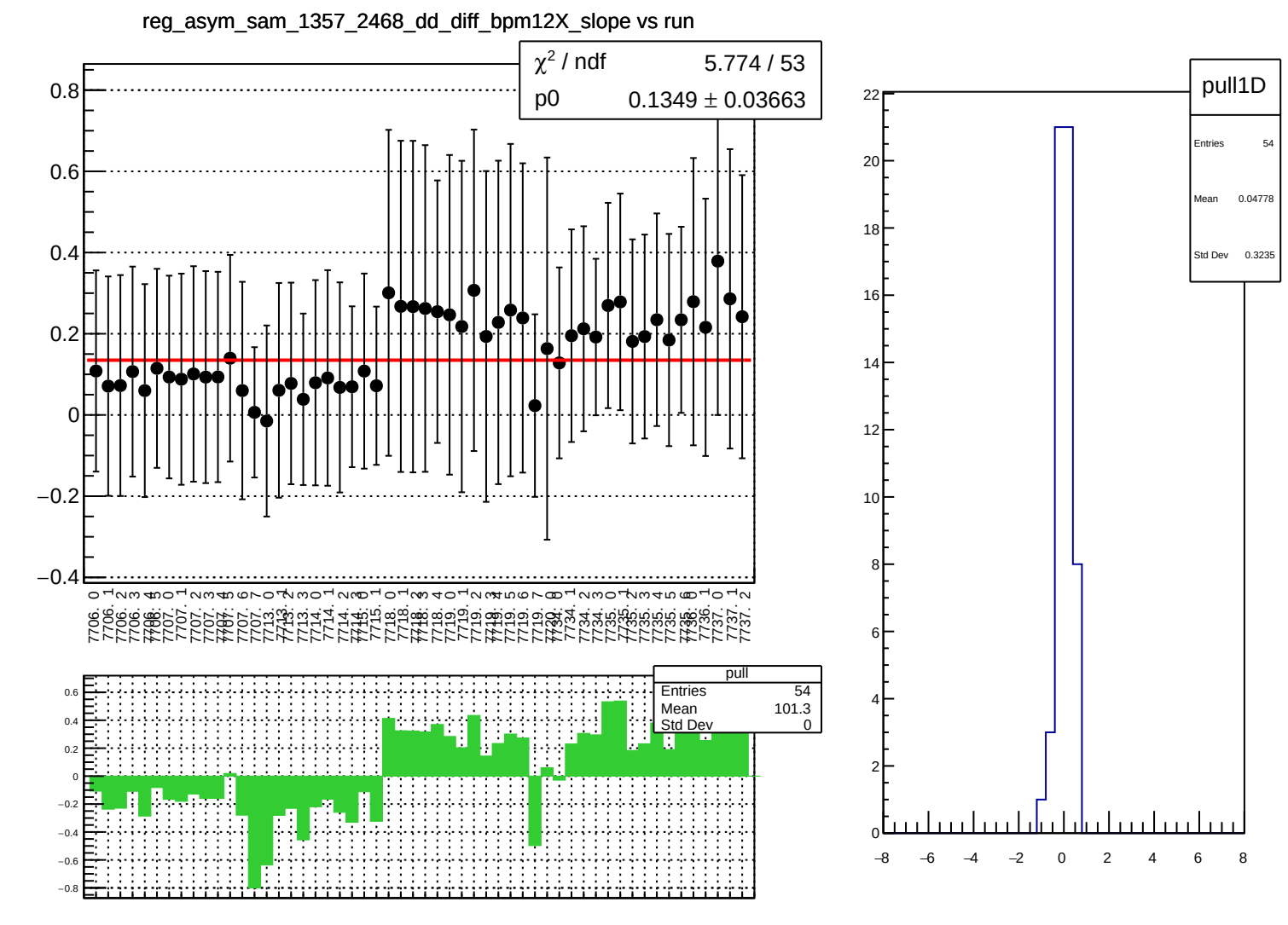

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.507 / 53
p0 2.176 ± 0.5789
pull
Entries 54
Mean 13.8
Std Dev 20.81

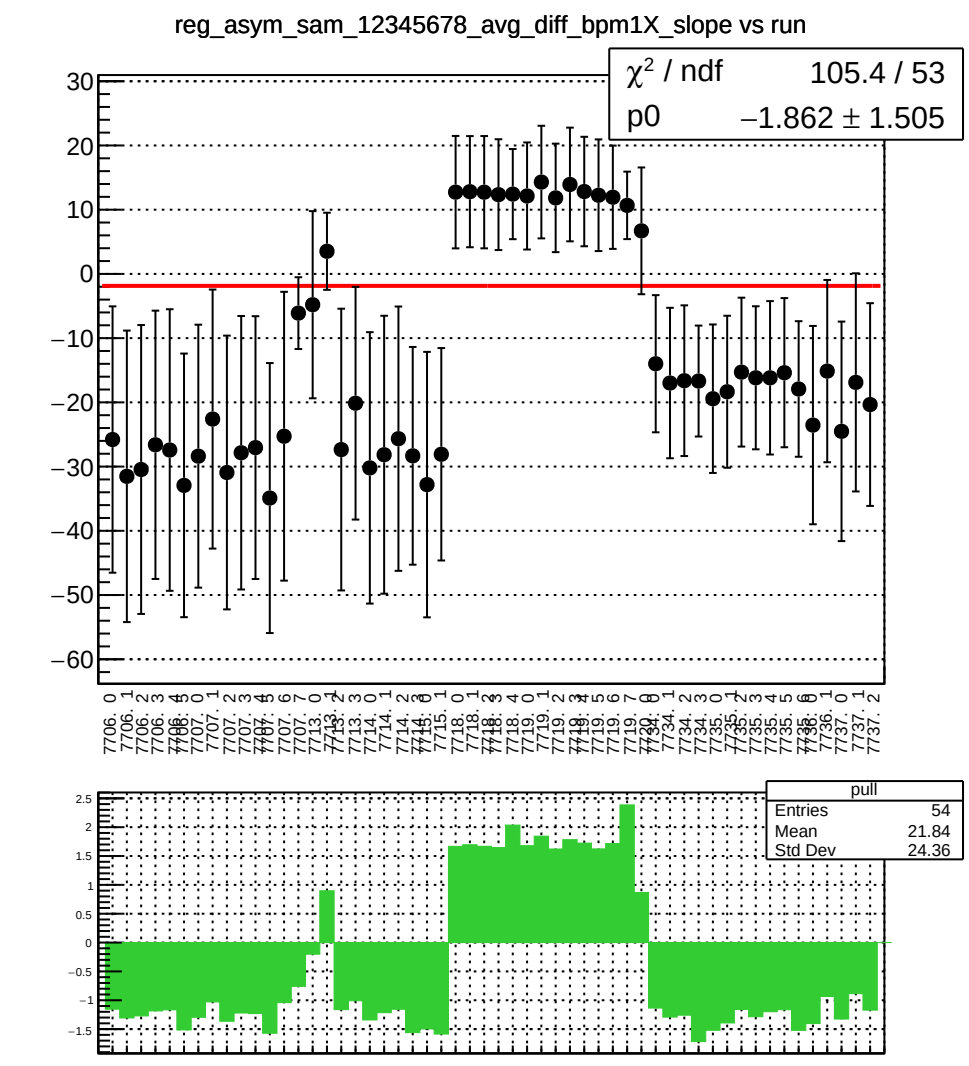

pull1D
Entries 54
Mean −0.06264
Std Dev 0.247

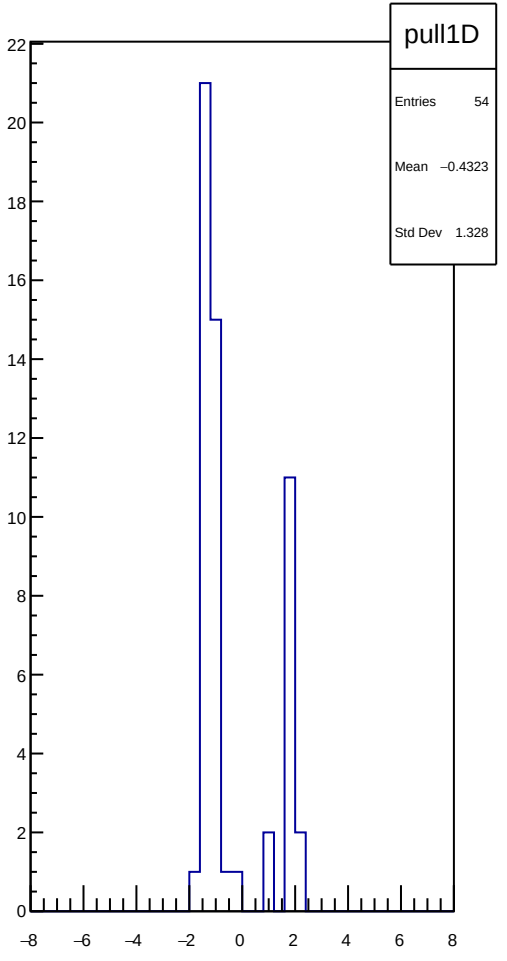

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.65 / 53
p0 21.22 ± 0.4515
pull
Entries 54
Mean 16.22
Std Dev 19.06
pull1D
Entries 54
Mean −0.3829
Std Dev 0.8578

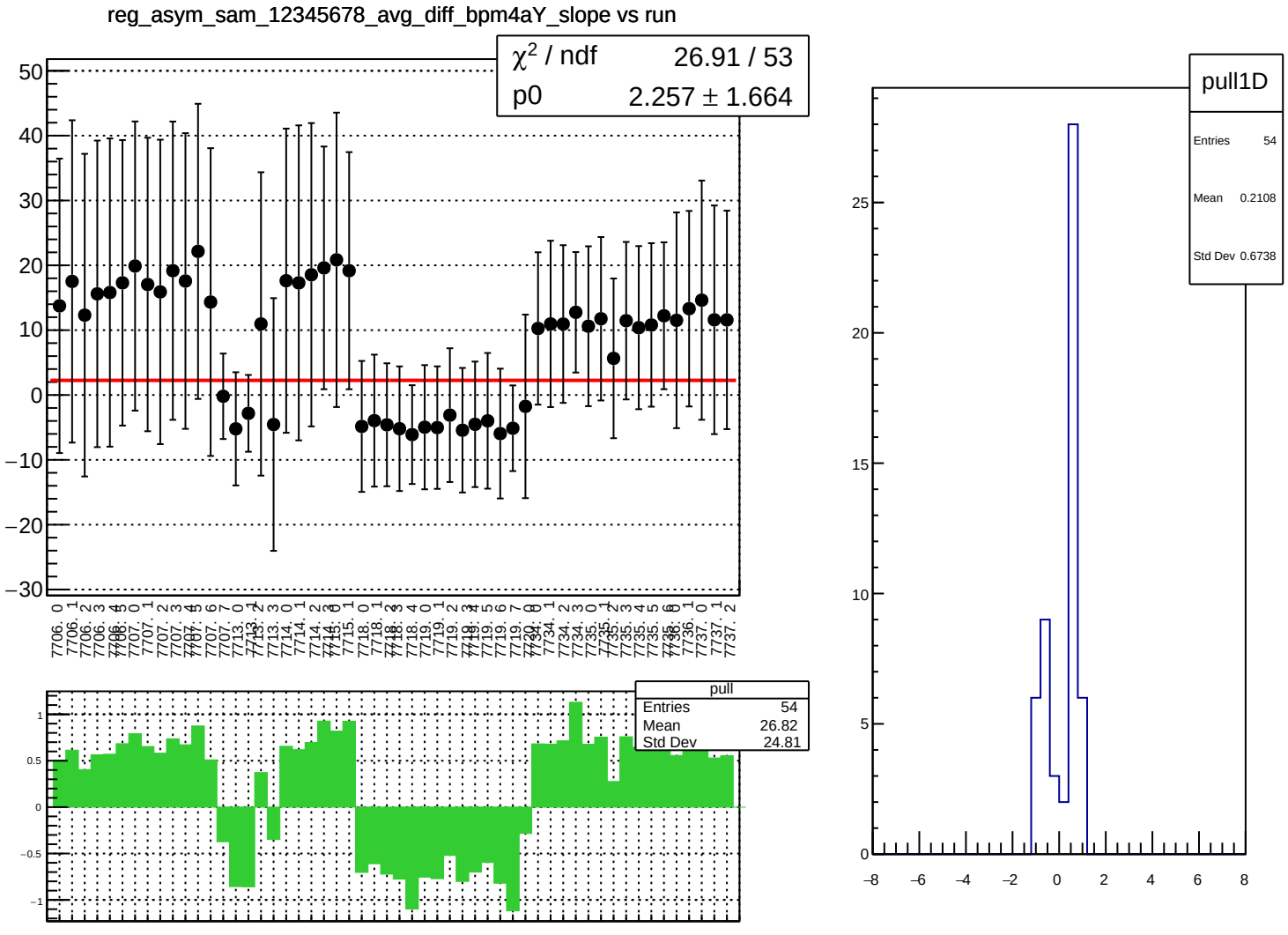

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.744 / 53
p0 −8.127 ± 0.8828
pull
Entries 54
Mean 33.31
Std Dev 26.24

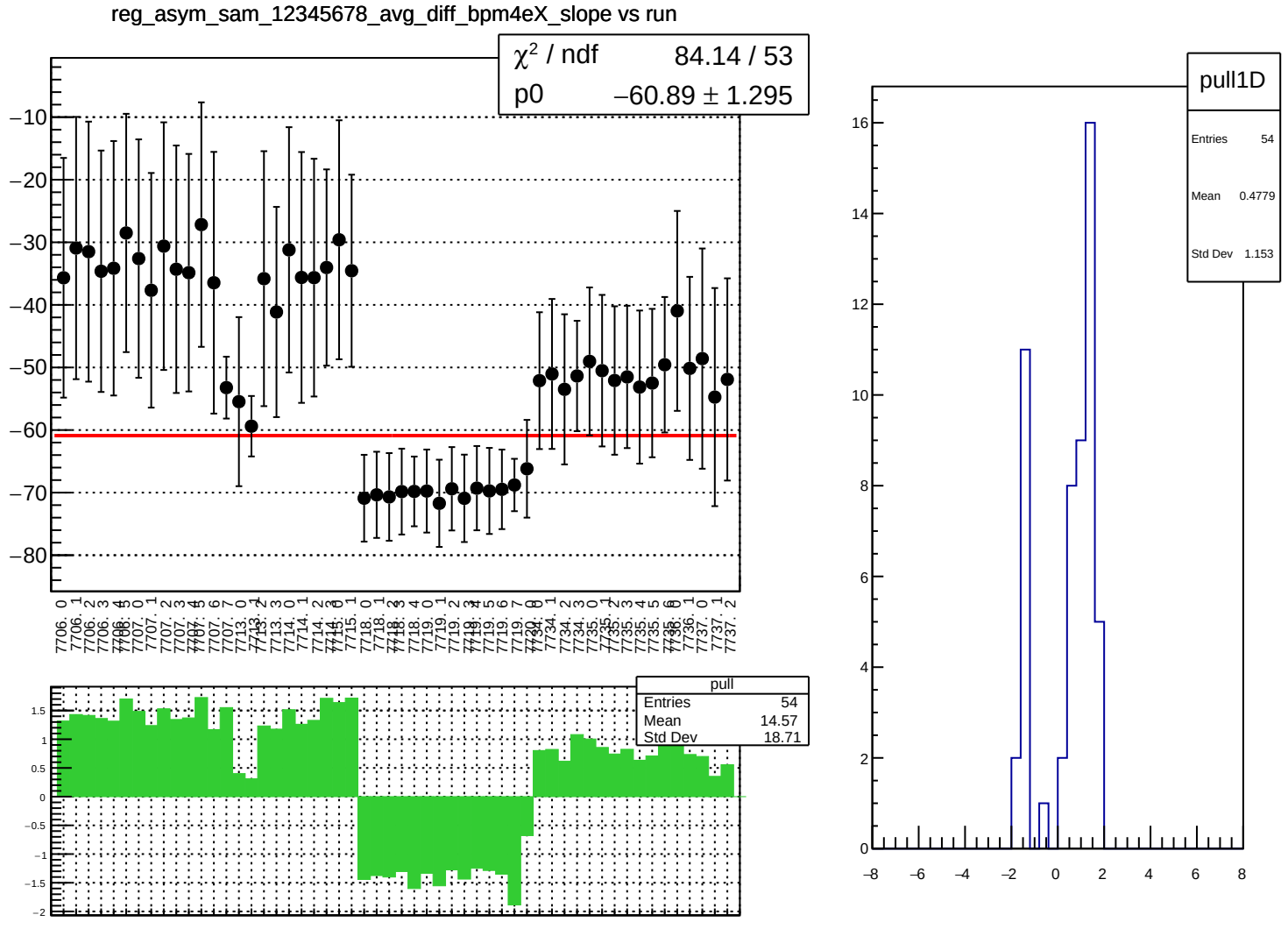

pull1D
Entries 54
Mean 0.05255
Std Dev 0.258

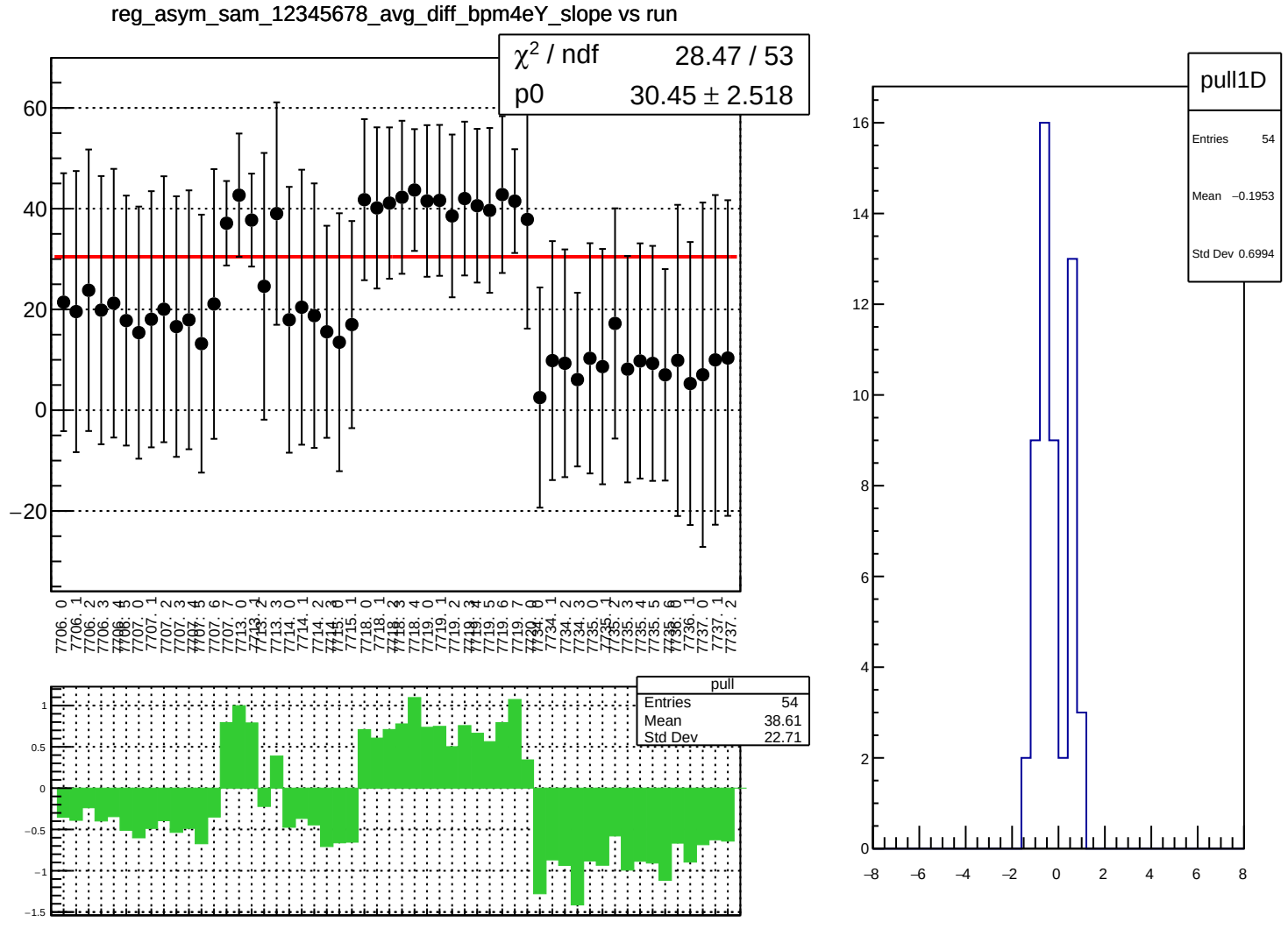

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 5.774 / 53
p0 0.1349 ± 0.03663
pull
Entries 54
Mean 101.3
Std Dev 0
pull1D
Entries 54
Mean 0.04778
Std Dev 0.3235

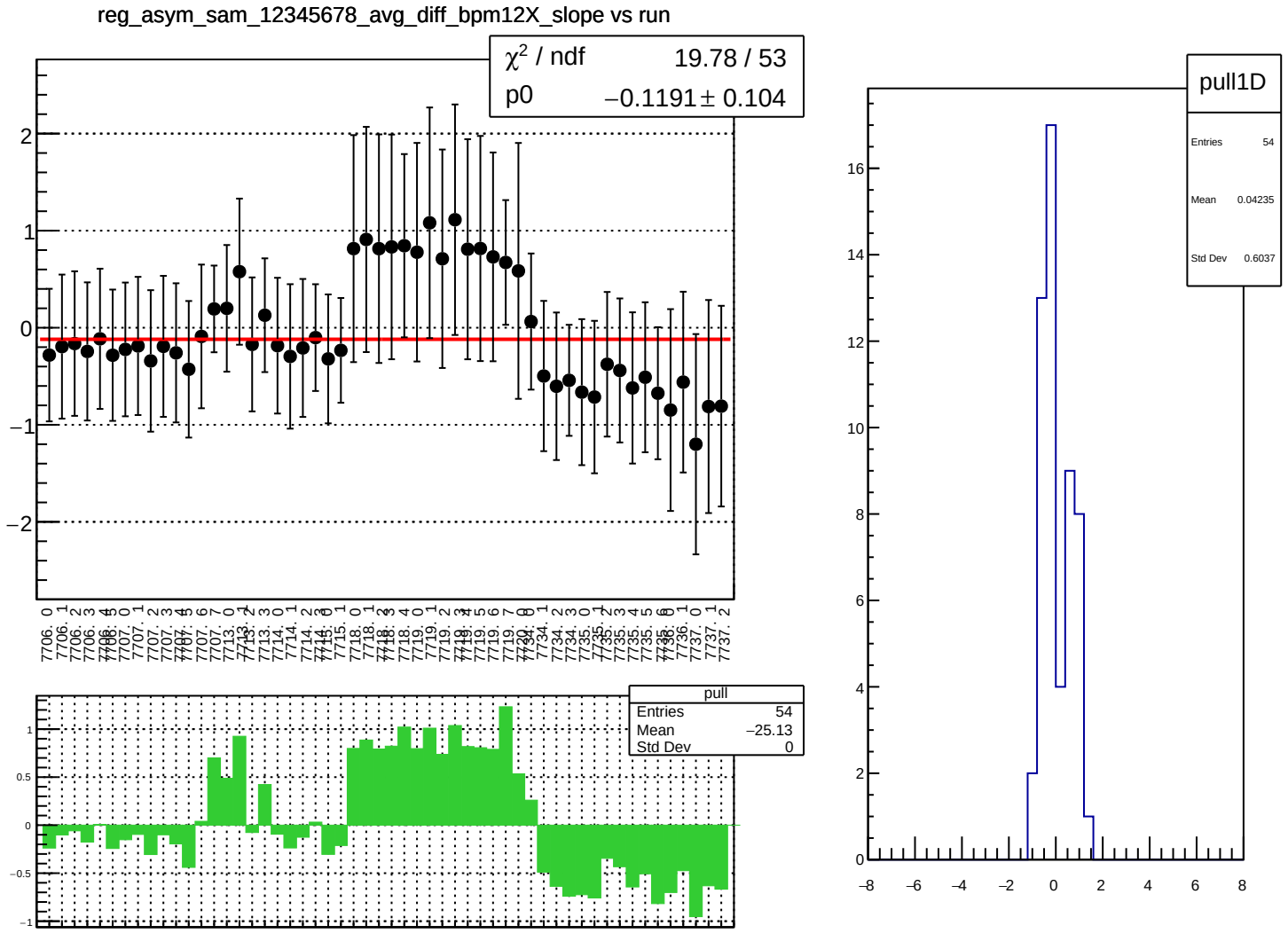

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 105.4 / 53
p0 −1.862 ± 1.505
pull
Entries 54
Mean 21.84
Std Dev 24.36

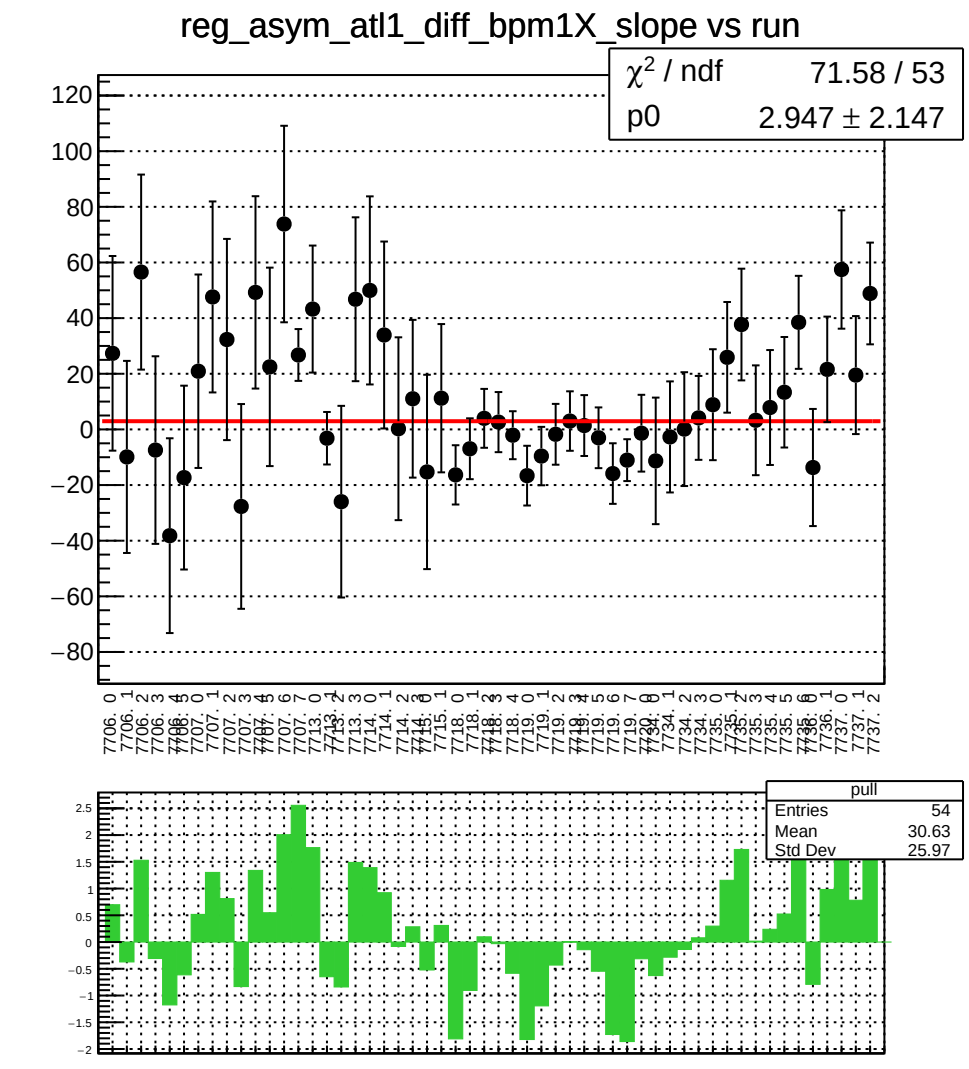

pull1D
Entries 54
Mean −0.4323
Std Dev 1.328

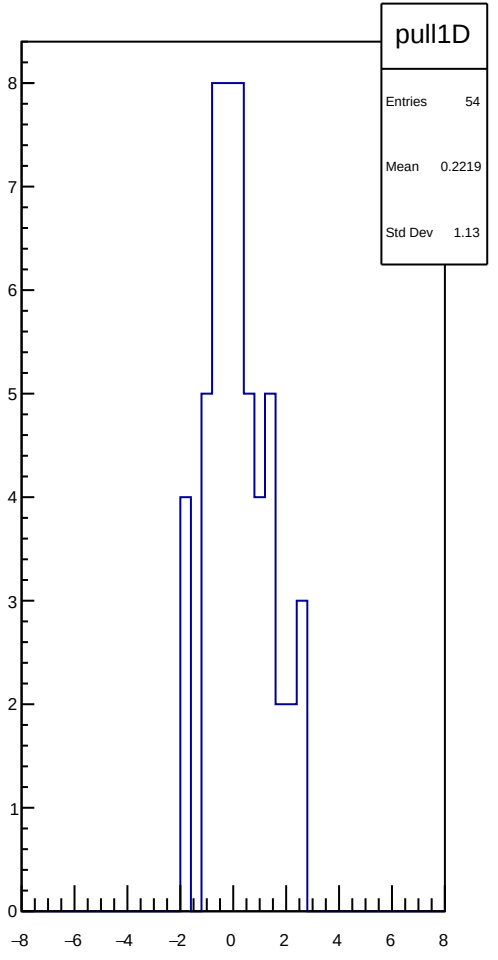

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 53
p0 2.257 ± 1.664
pull
Entries 54
Mean 26.82
Std Dev 24.81
pull1D
Entries 54
Mean 0.2108
Std Dev 0.6738

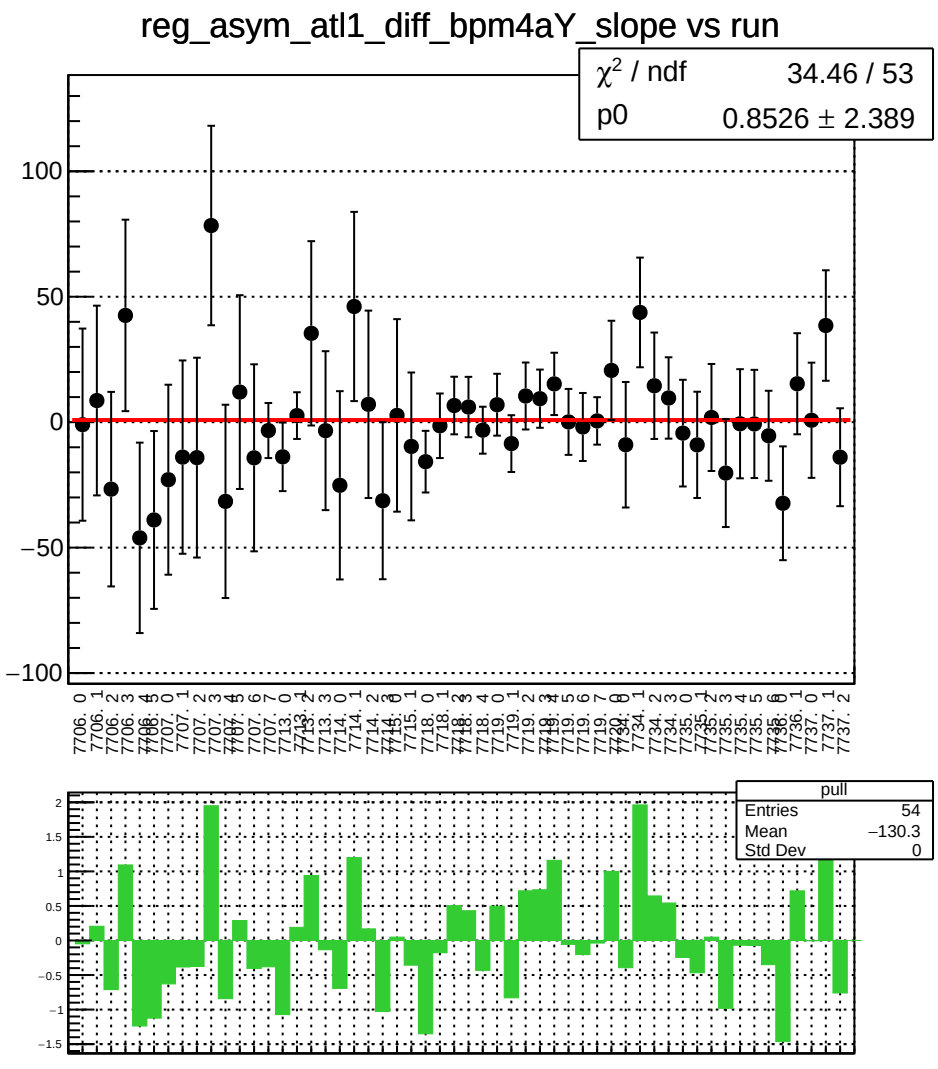

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.14 / 53
p0 −60.89 ± 1.295
pull
Entries 54
Mean 14.57
Std Dev 18.71
pull1D
Entries 54
Mean 0.4779
Std Dev 1.153

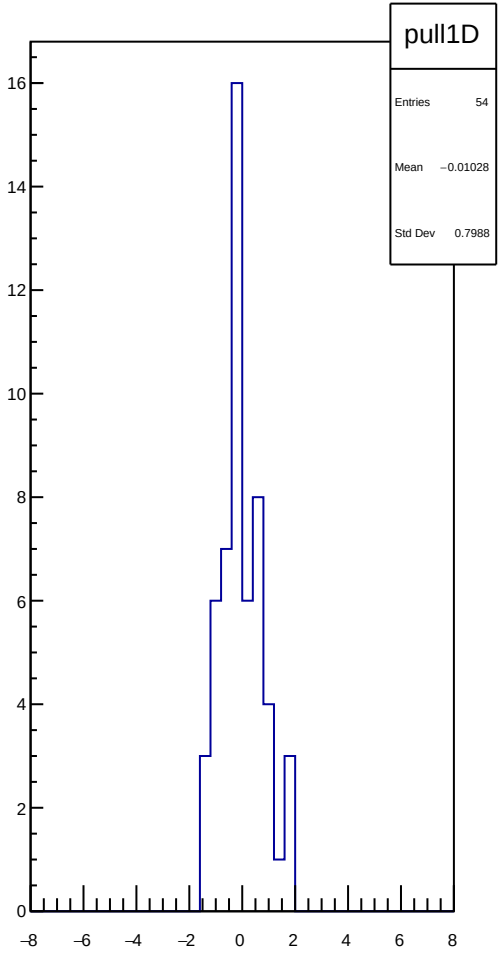

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.47 / 53
p0 30.45 ± 2.518
pull
Entries 54
Mean 38.61
Std Dev 22.71
pull1D
Entries 54
Mean −0.1953
Std Dev 0.6994

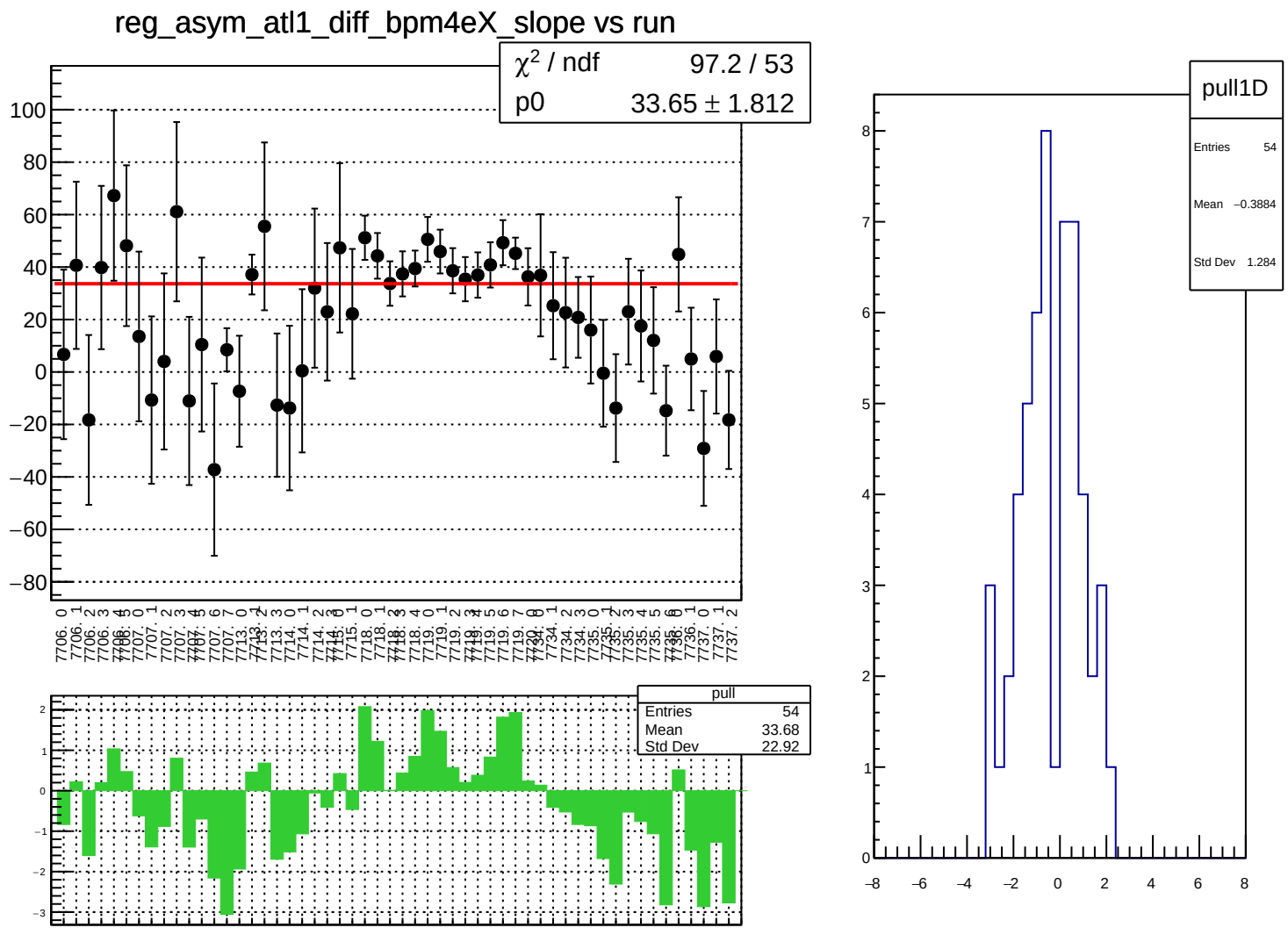

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 19.78 / 53
p0 −0.1191 ± 0.104
pull
Entries 54
Mean −25.13
Std Dev 0
pull1D
Entries 54
Mean 0.04235
Std Dev 0.6037

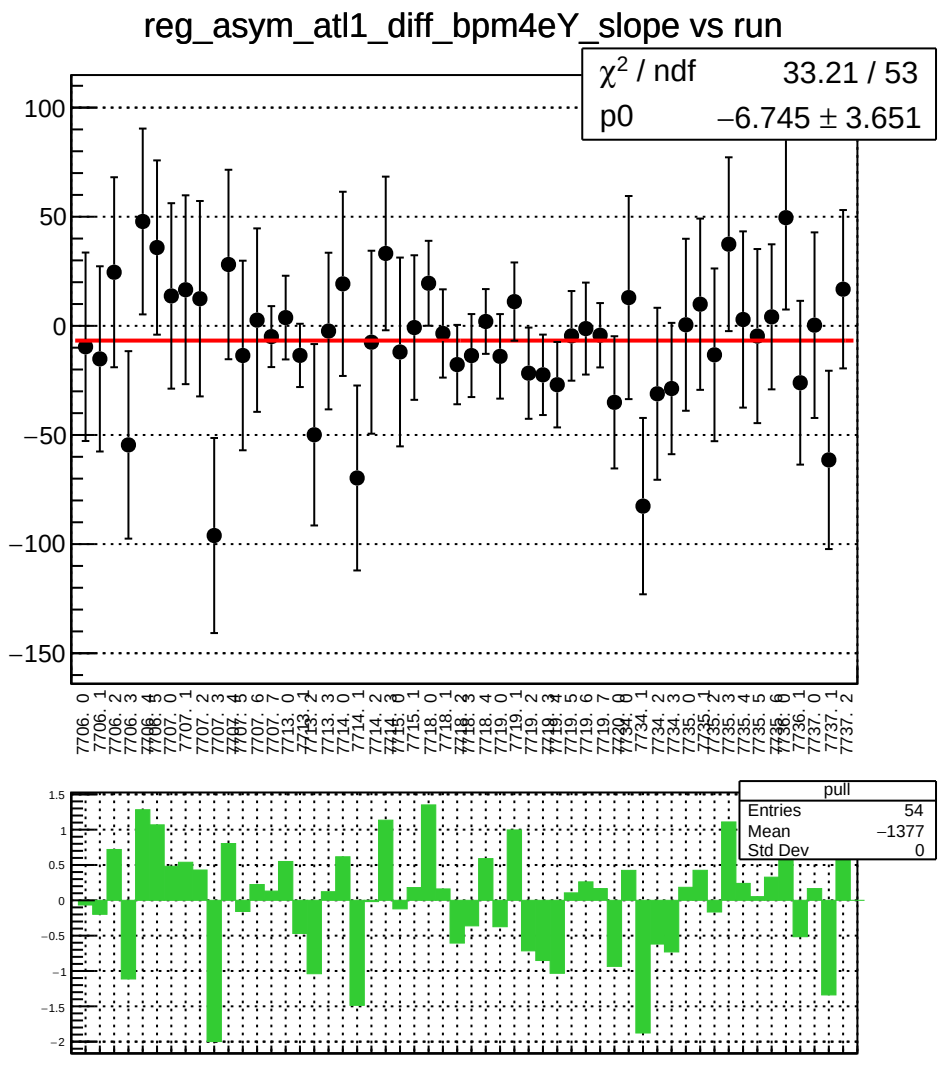

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 71.58 / 53
p0 2.947 ± 2.147
pull
Entries 54
Mean 30.63
Std Dev 25.97

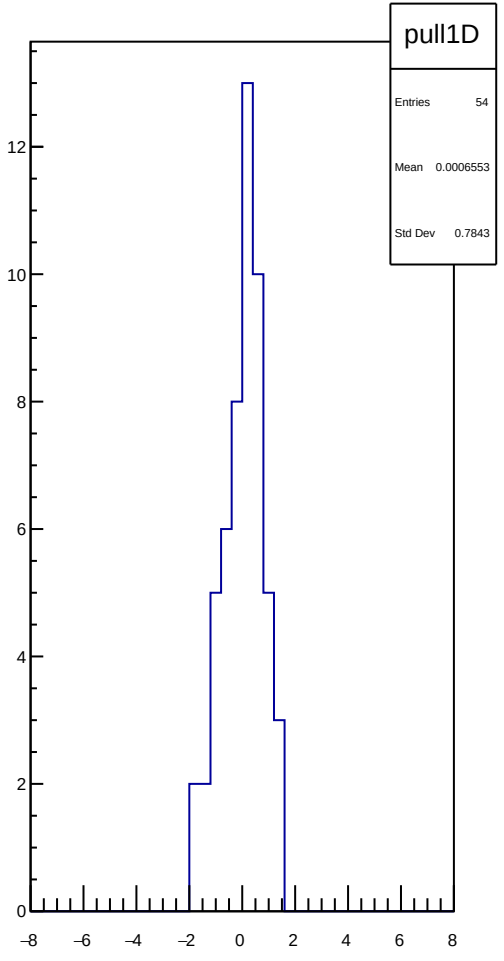

pull1D
Entries 54
Mean 0.2219
Std Dev 1.13

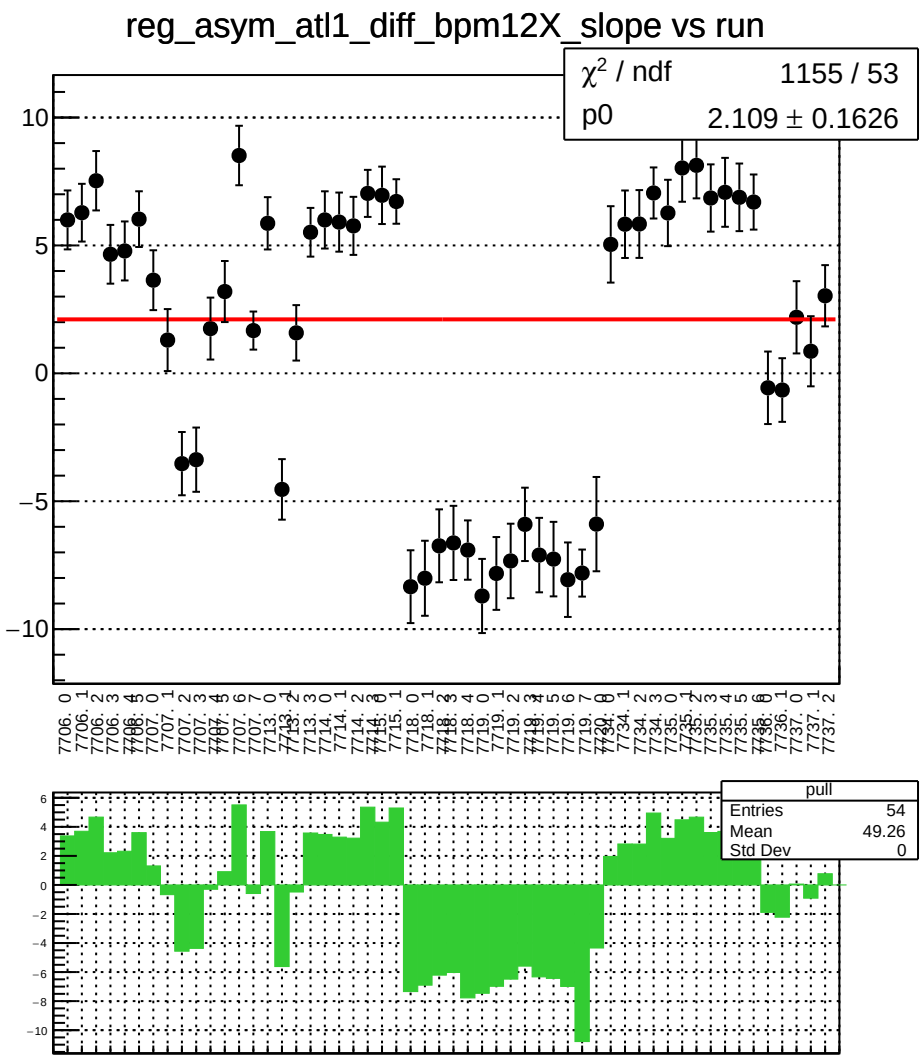

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 34.46 / 53
p0 0.8526 ± 2.389
pull
Entries 54
Mean −130.3
Std Dev 0

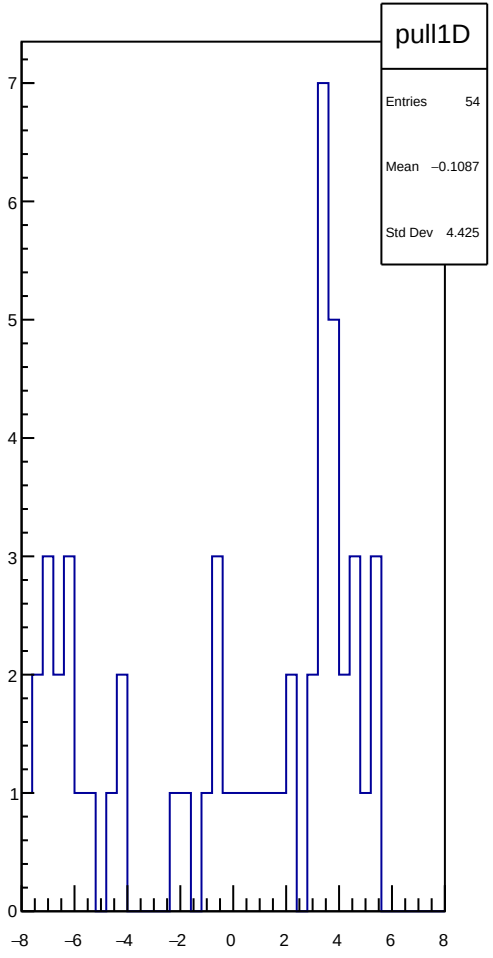

pull1D
Entries 54
Mean −0.01028
Std Dev 0.7988

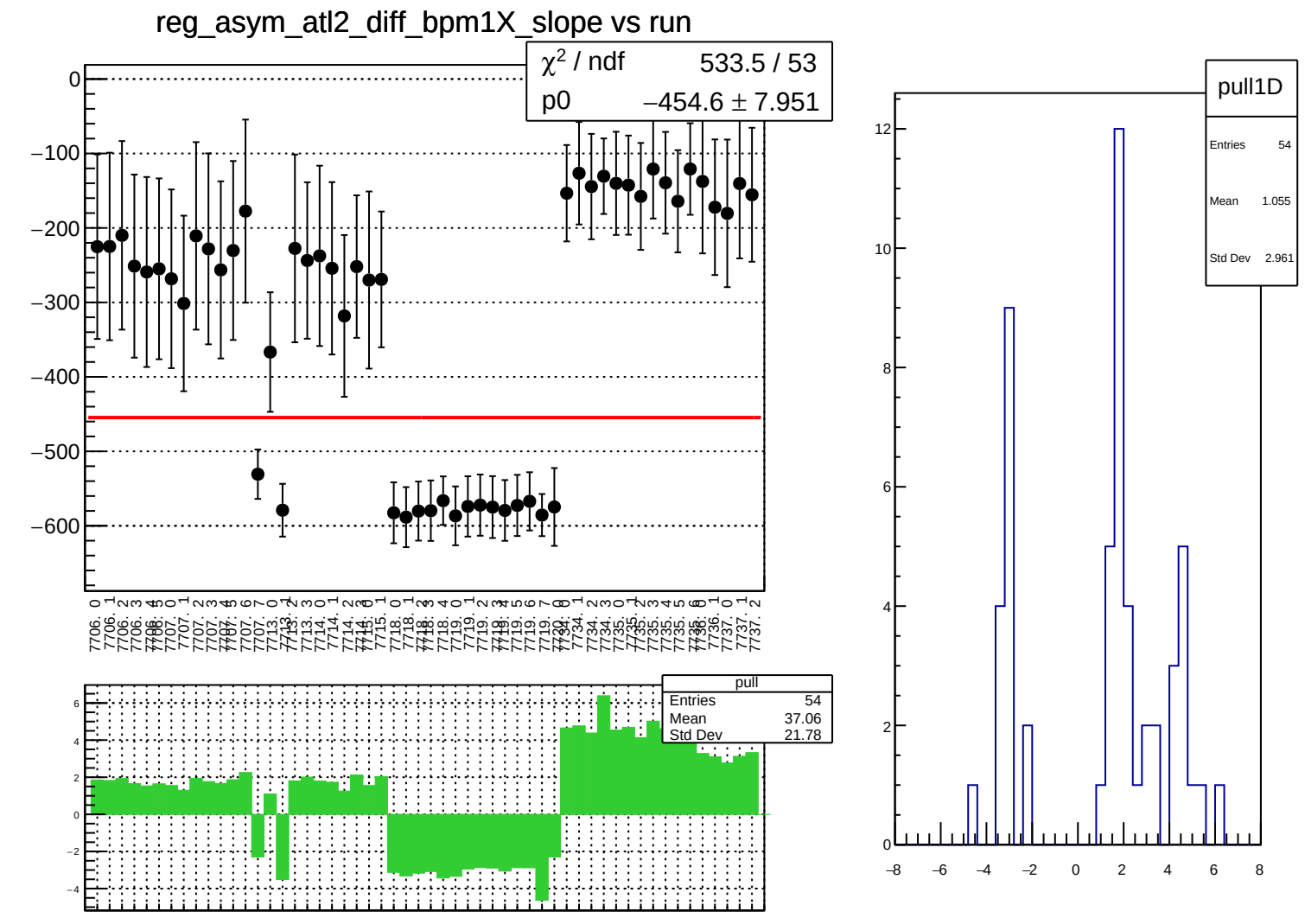

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 97.2 / 53
p0 33.65 ± 1.812
pull
Entries 54
Mean 33.68
Std Dev 22.92
pull1D
Entries 54
Mean −0.3884
Std Dev 1.284

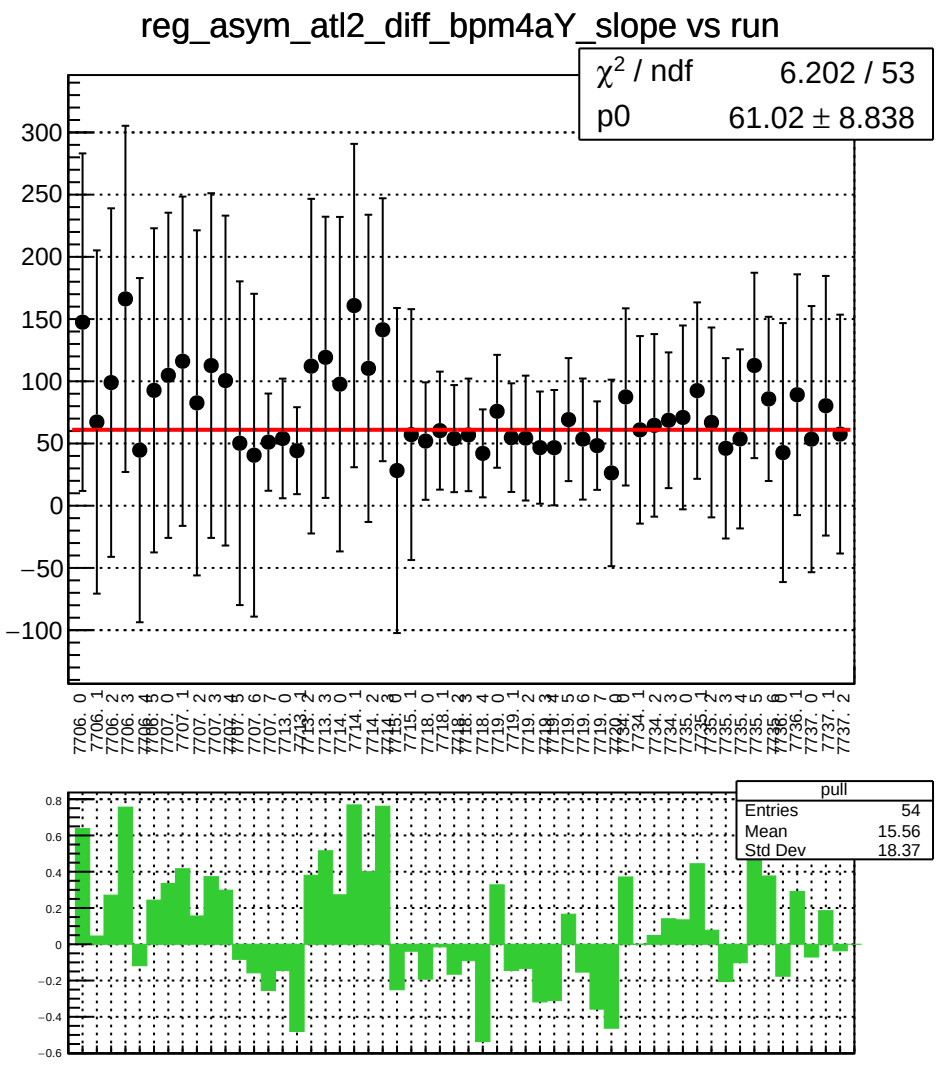

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 33.21 / 53
p0 −6.745 ± 3.651
pull
Entries 54
Mean −1377
Std Dev 0

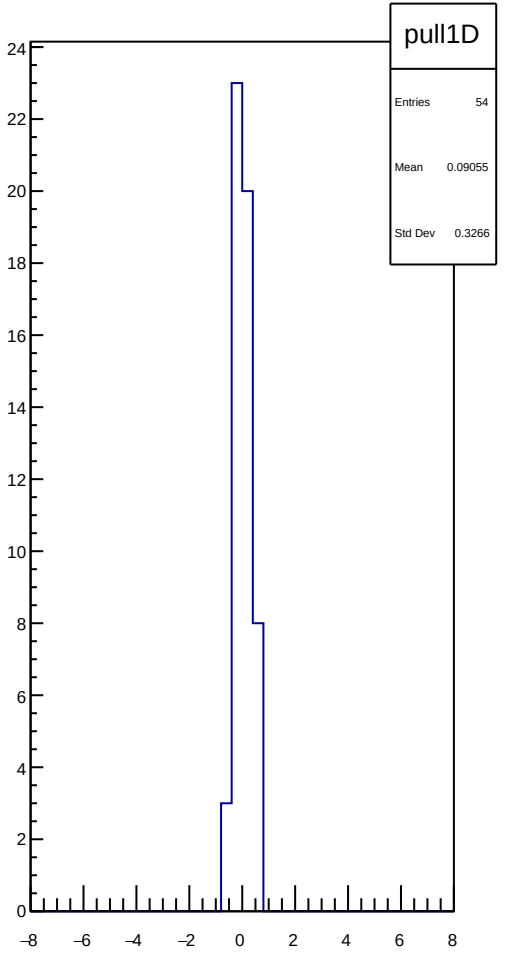

pull1D
Entries 54
Mean 0.0006553
Std Dev 0.7843

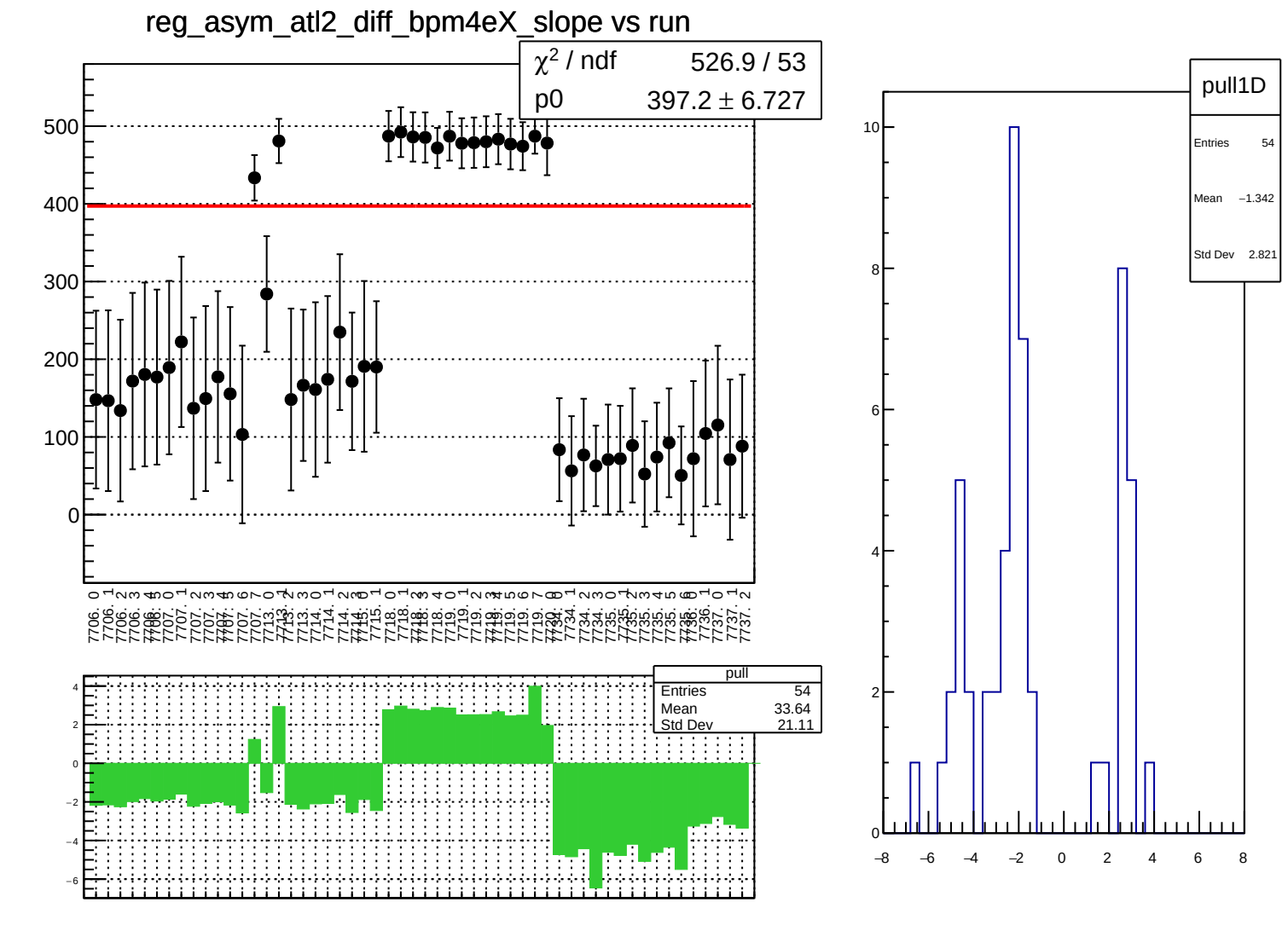

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1155 / 53
p0 2.109 ± 0.1626
pull
Entries 54
Mean 49.26
Std Dev 0

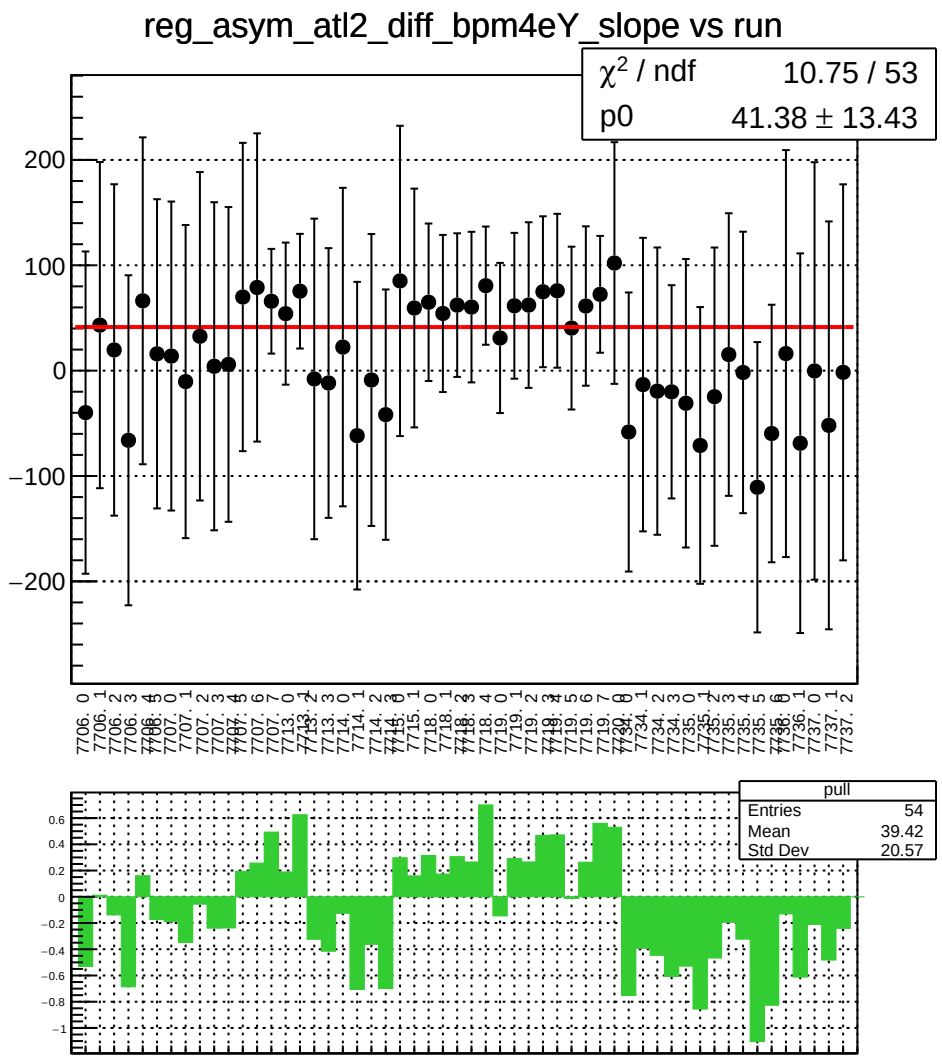

pull1D
Entries 54
Mean −0.1087
Std Dev 4.425

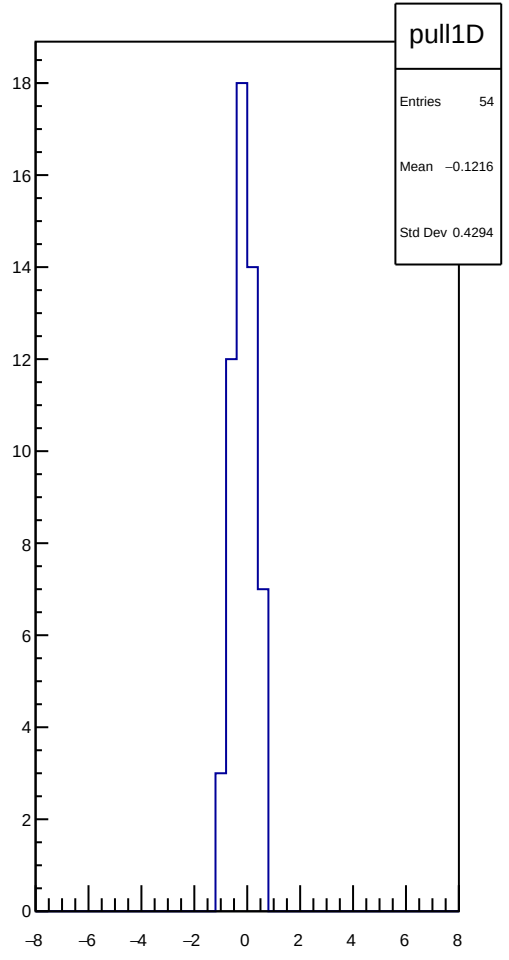

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 533.5 / 53
p0 −454.6 ± 7.951
pull
Entries 54
Mean 37.06
Std Dev 21.78
pull1D
Entries 54
Mean 1.055
Std Dev 2.961

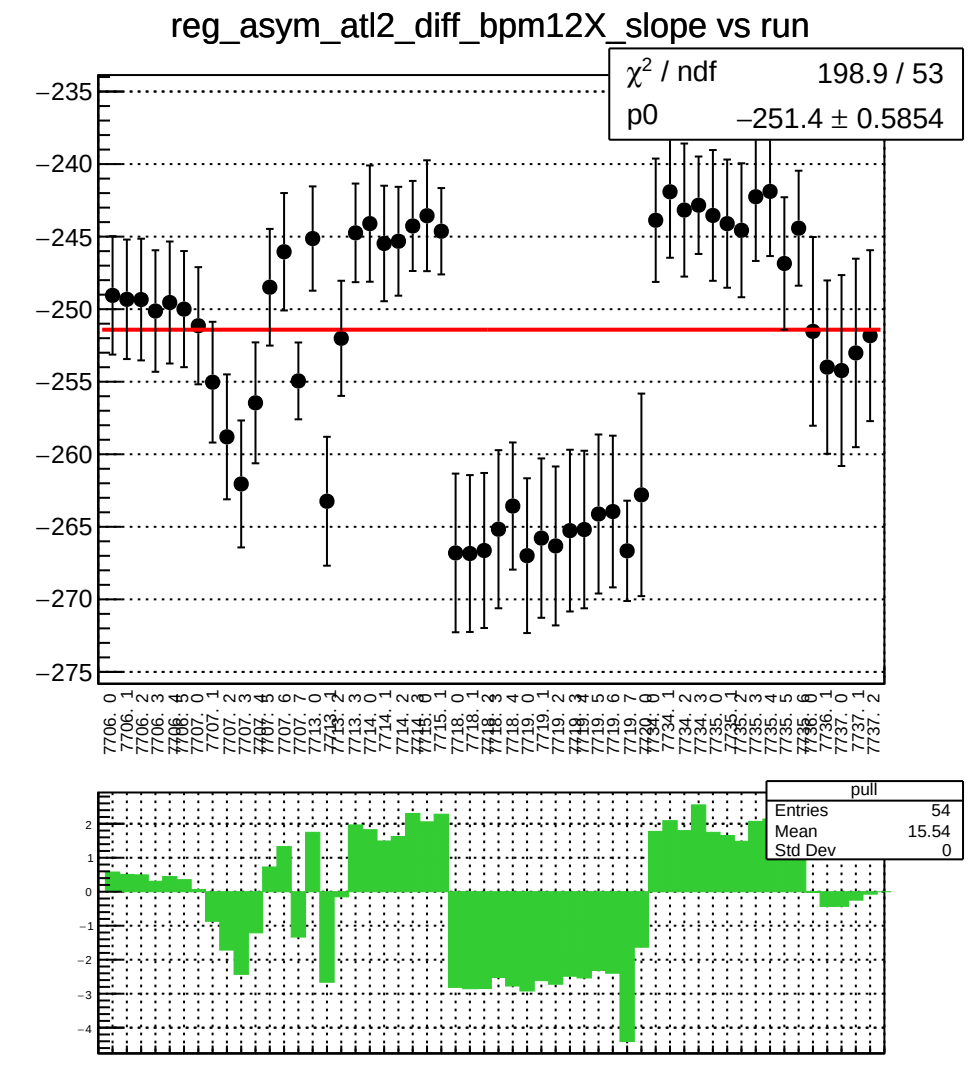

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.202 / 53
p0 61.02 ± 8.838
pull
Entries 54
Mean 15.56
Std Dev 18.37

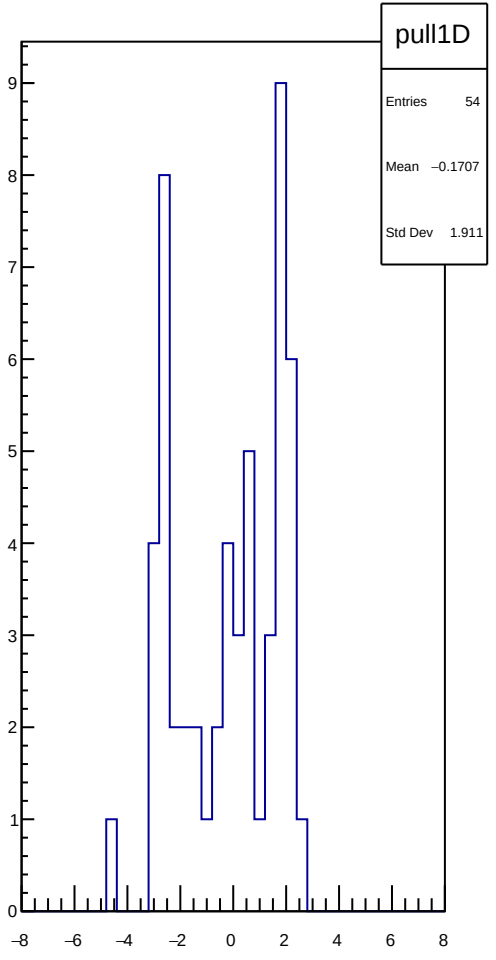

pull1D
Entries 54
Mean 0.09055
Std Dev 0.3266

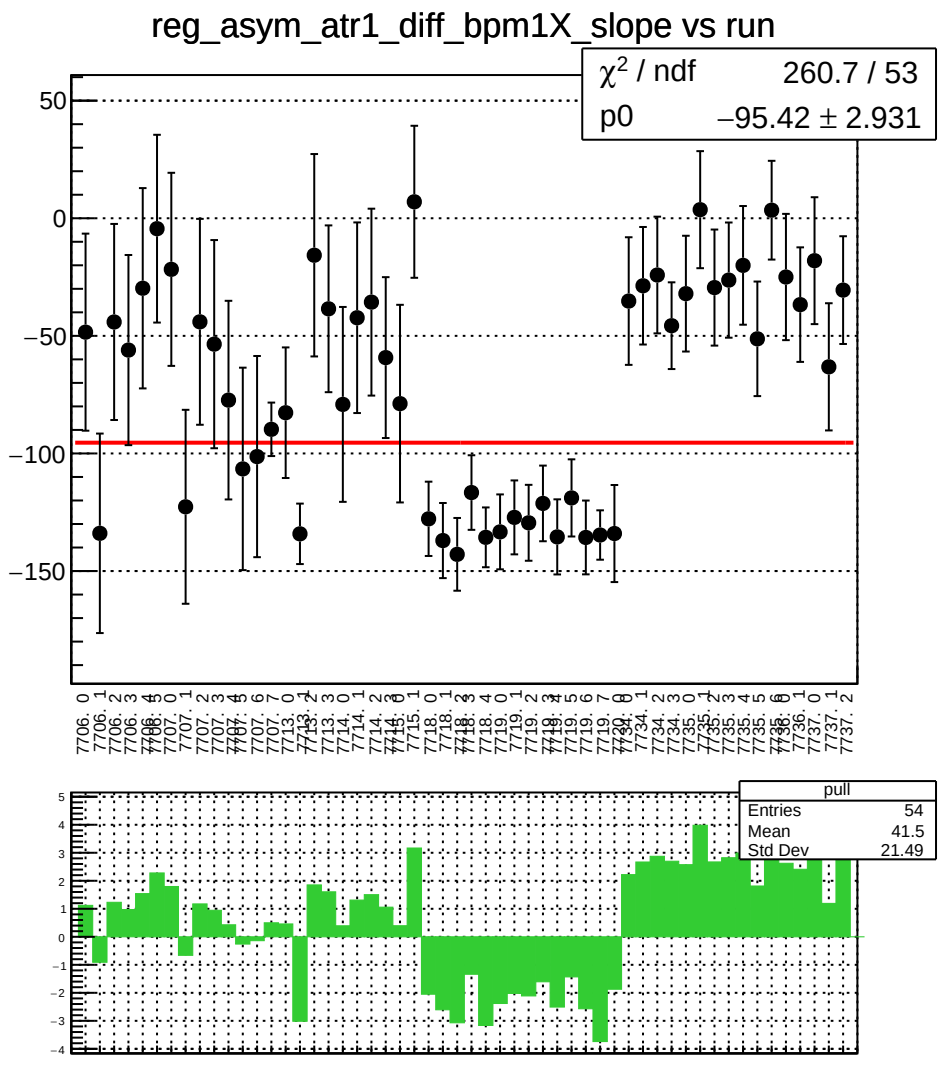

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 526.9 / 53
p0 397.2 ± 6.727
pull
Entries 54
Mean 33.64
Std Dev 21.11
pull1D
Entries 54
Mean −1.342
Std Dev 2.821

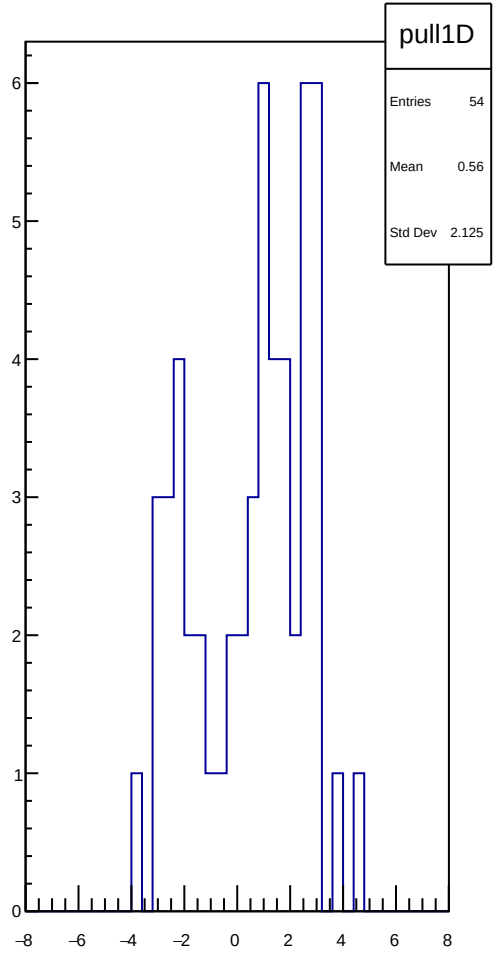

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.75 / 53
p0 41.38 ± 13.43
200
100
0
−100
−200
pull
Entries 54
Mean 39.42
Std Dev 20.57
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

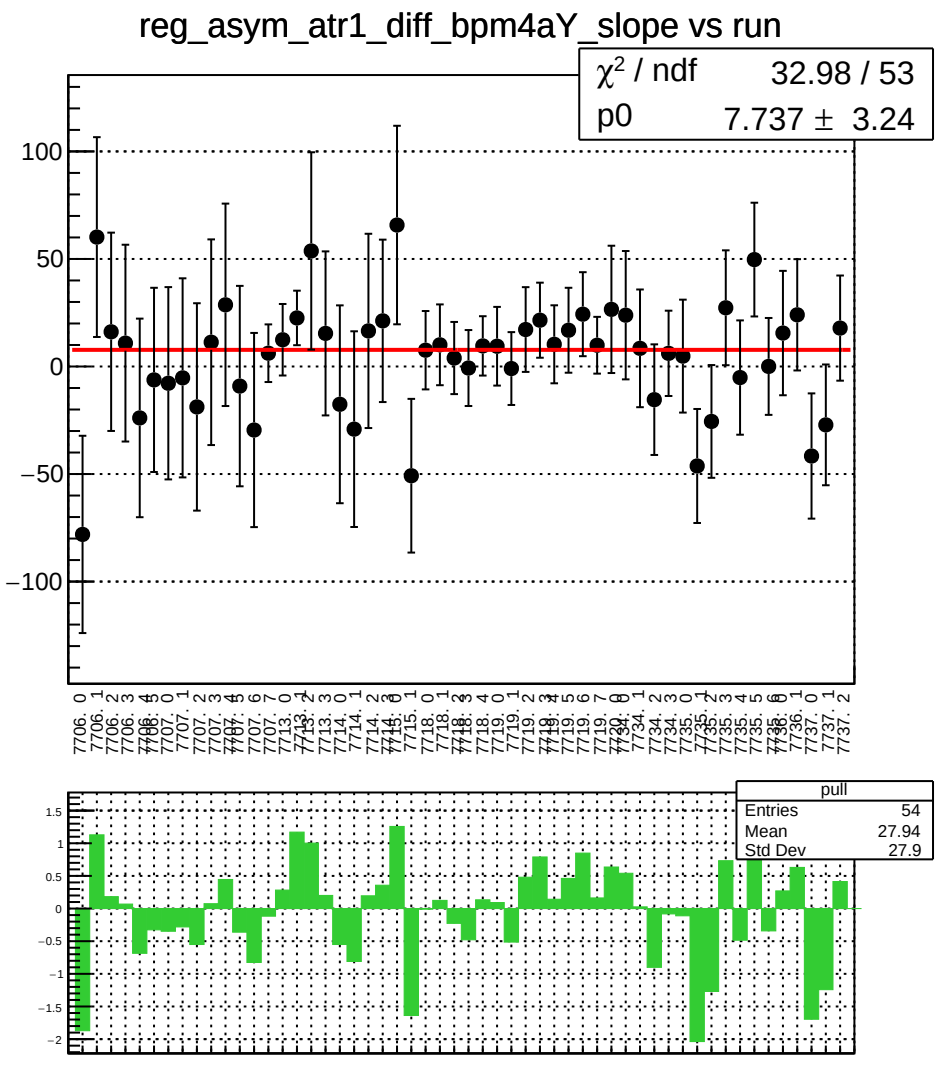

pull1D
Entries 54
Mean −0.1216
Std Dev 0.4294
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

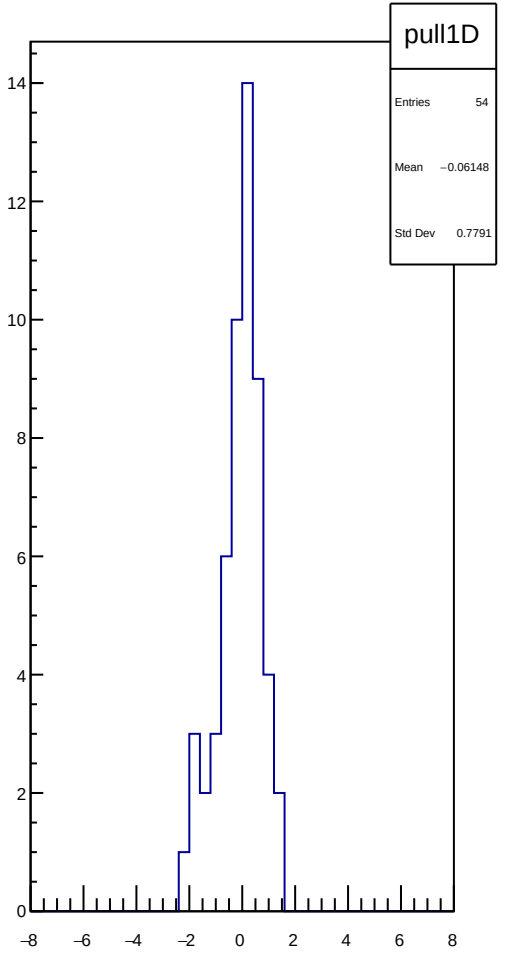

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 198.9 / 53
p0 −251.4 ± 0.5854
pull
Entries 54
Mean 15.54
Std Dev 0

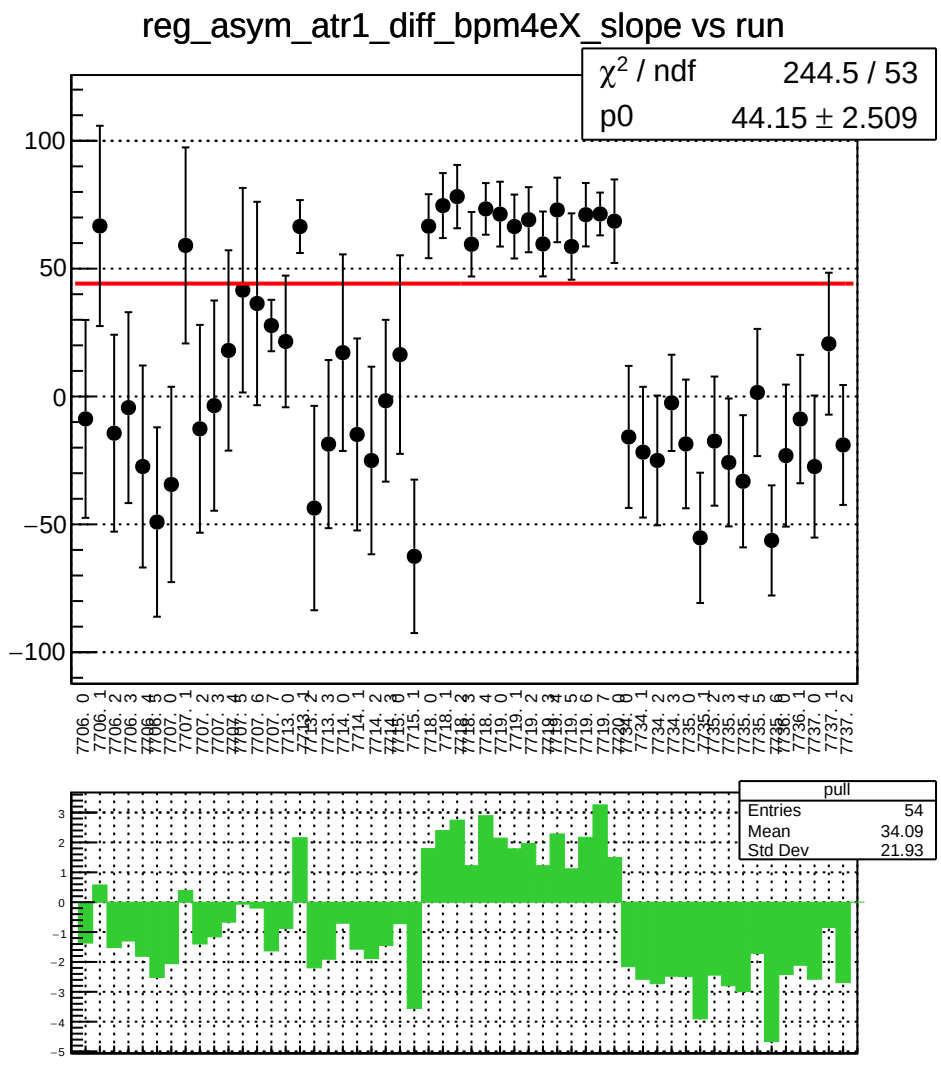

pull1D
Entries 54
Mean −0.1707
Std Dev 1.911

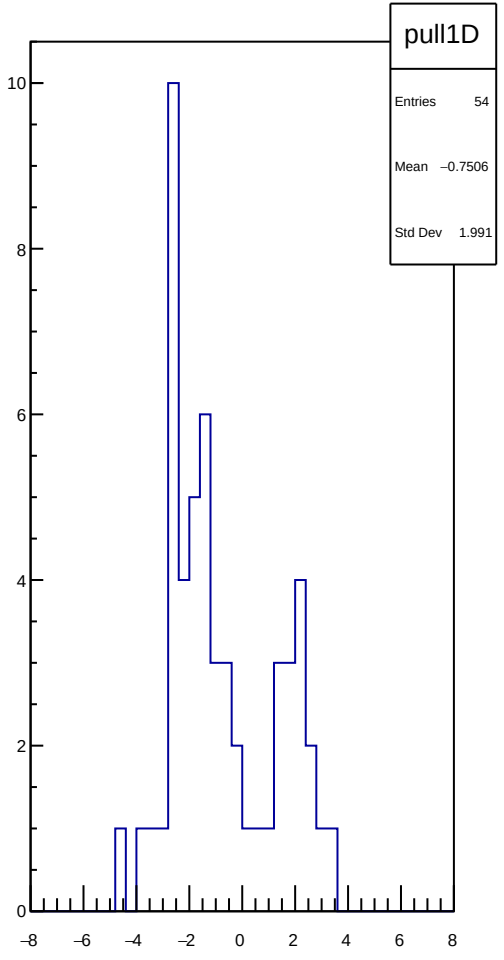

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 260.7 / 53
p0 −95.42 ± 2.931
50
0
−50
−100
−150
pull
Entries 54
Mean 41.5
Std Dev 21.49

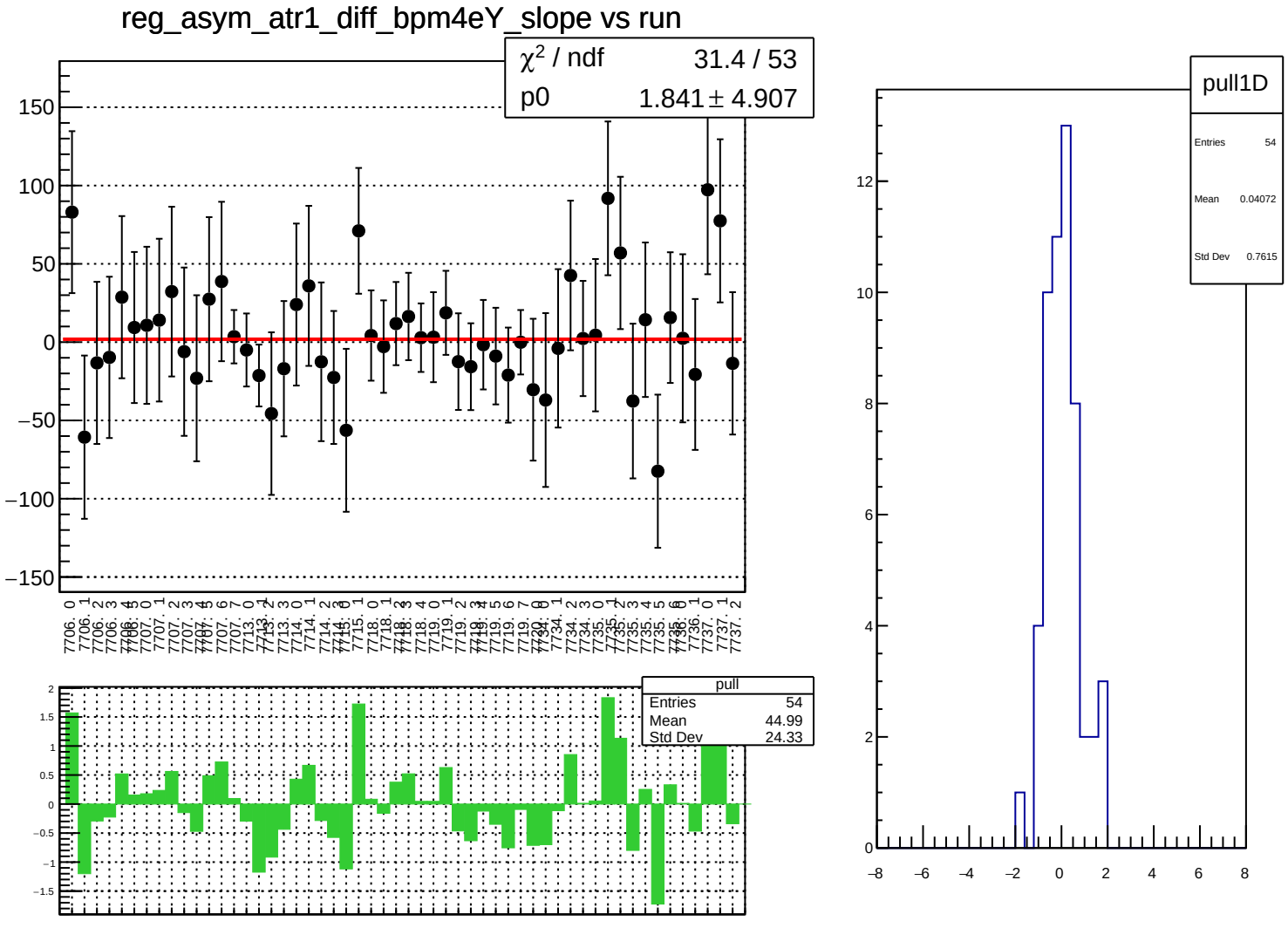

pull1D
Entries 54
Mean 0.56
Std Dev 2.125

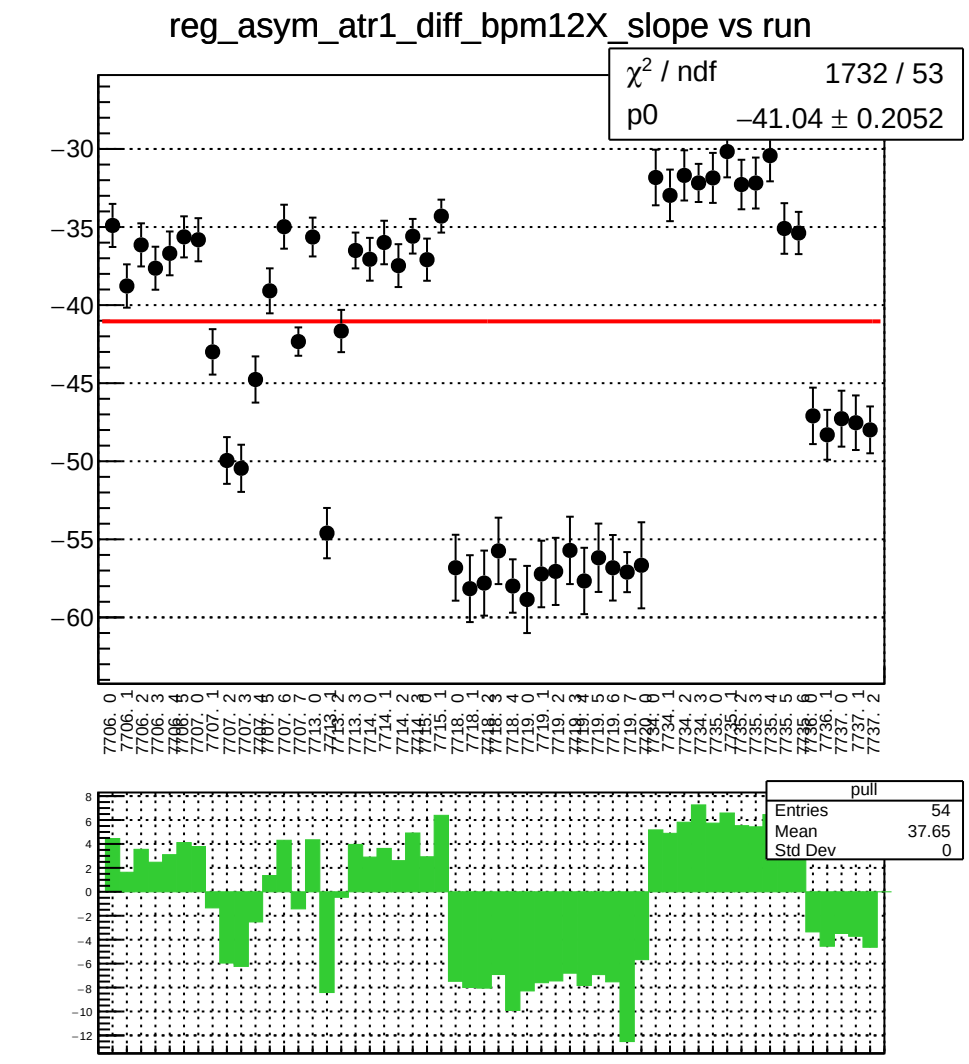

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 32.98 / 53
p0 7.737 ± 3.24
pull
Entries 54
Mean 27.94
Std Dev 27.9

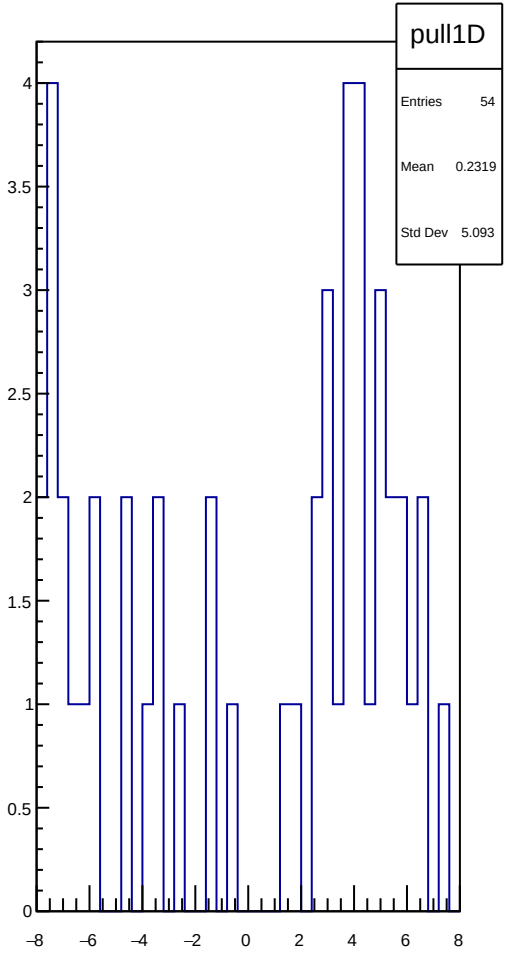

pull1D
Entries 54
Mean −0.06148
Std Dev 0.7791

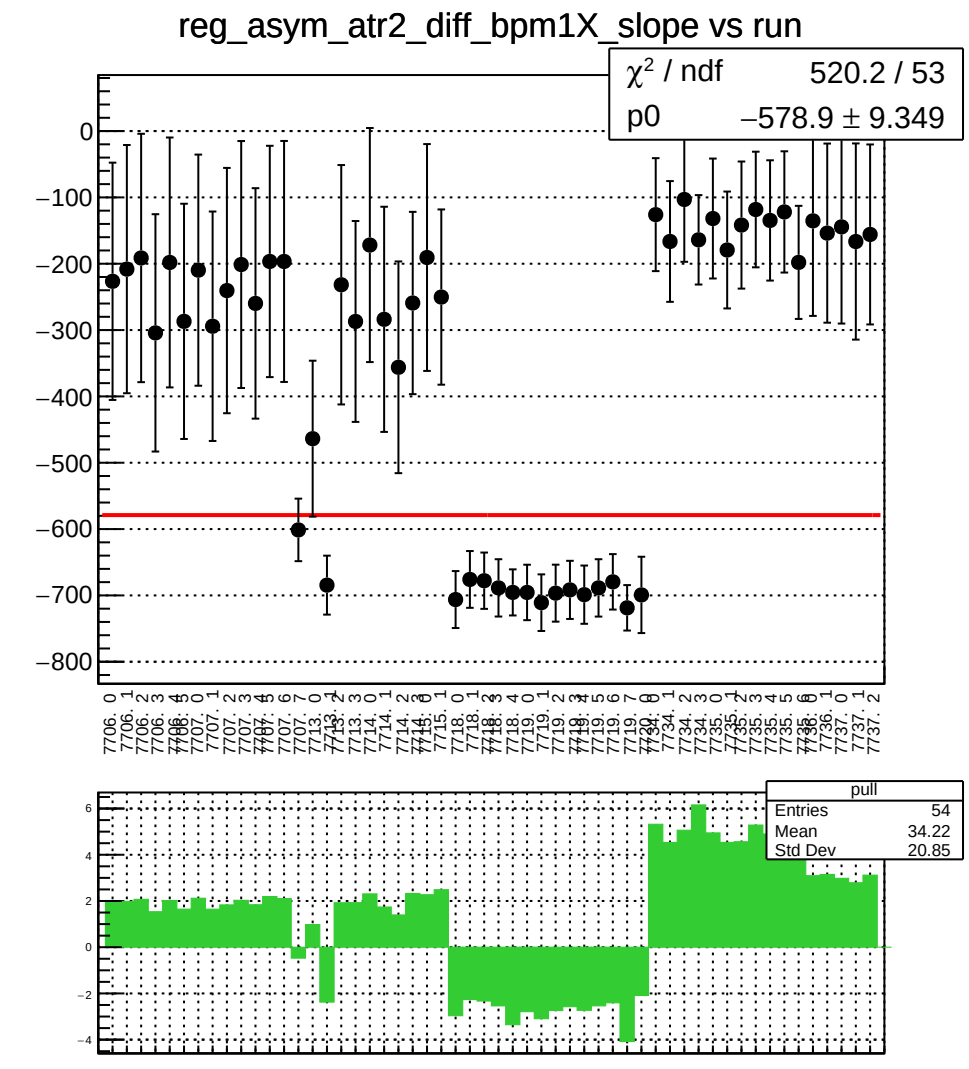

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 244.5 / 53
p0 44.15 ± 2.509
pull
Entries 54
Mean 34.09
Std Dev 21.93

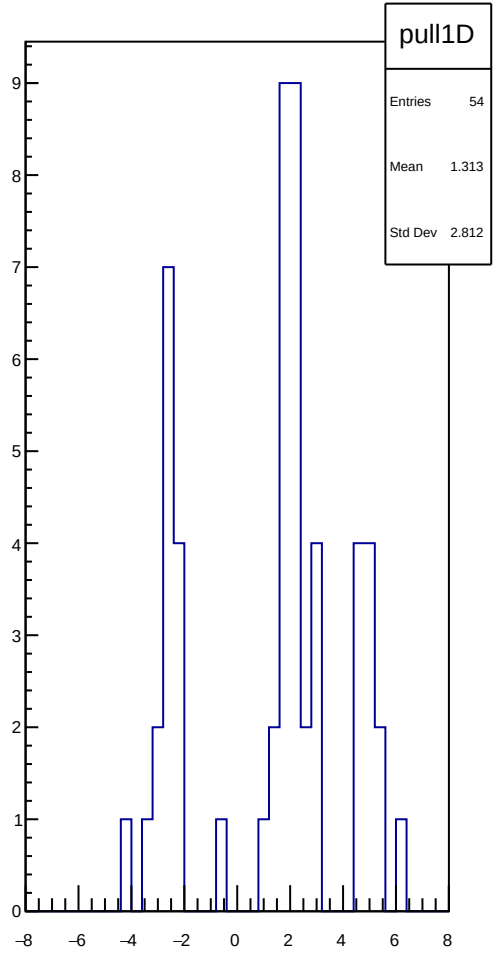

pull1D
Entries 54
Mean −0.7506
Std Dev 1.991

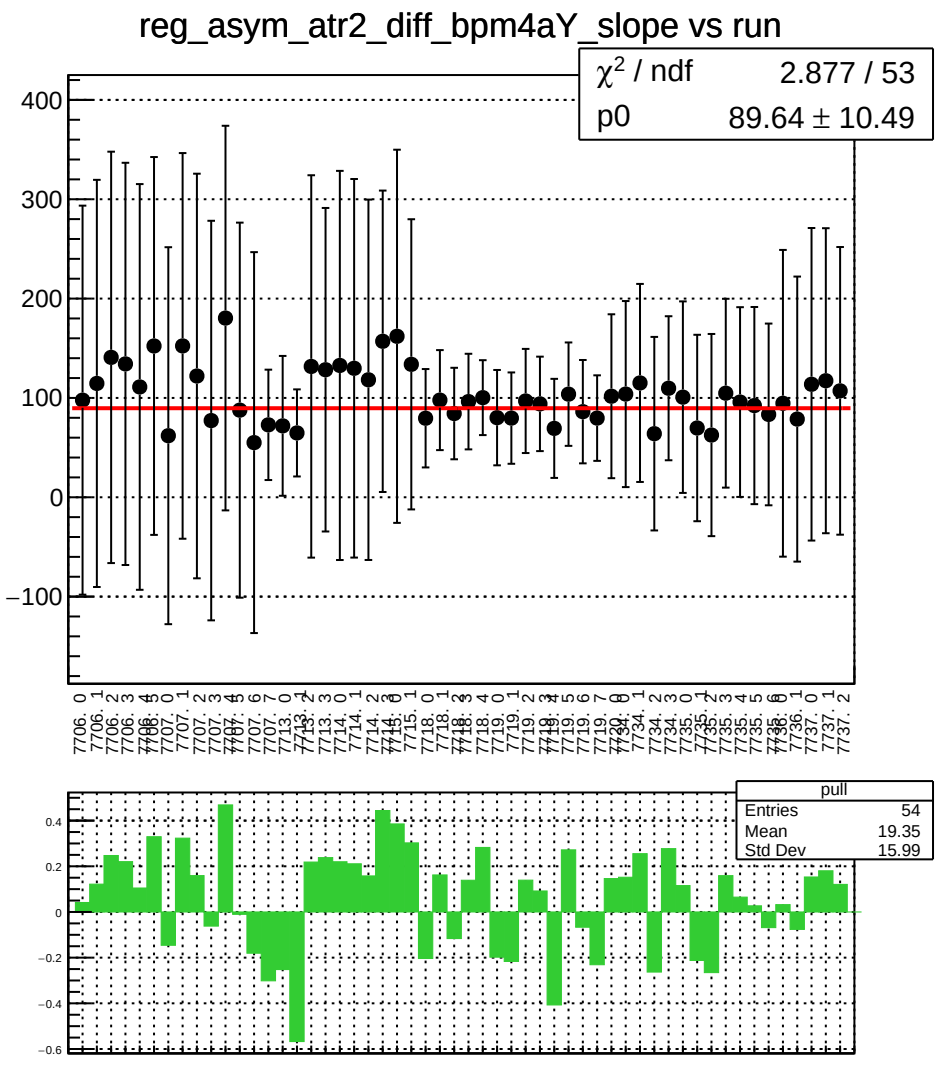

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 31.4 / 53
p0 1.841 ± 4.907
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 44.99
Std Dev 24.33
pull1D
Entries 54
Mean 0.04072
Std Dev 0.7615

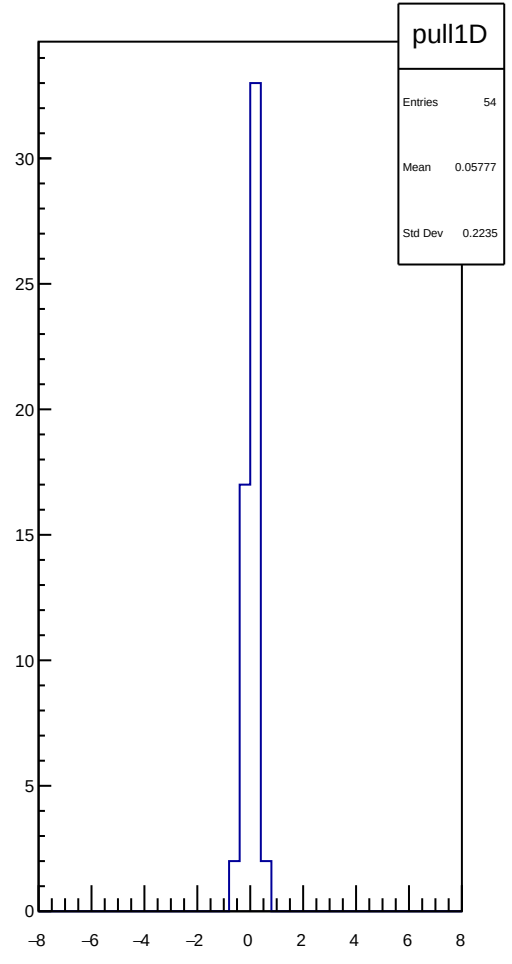

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1732 / 53
p0 −41.04 ± 0.2052
pull
Entries 54
Mean 37.65
Std Dev 0

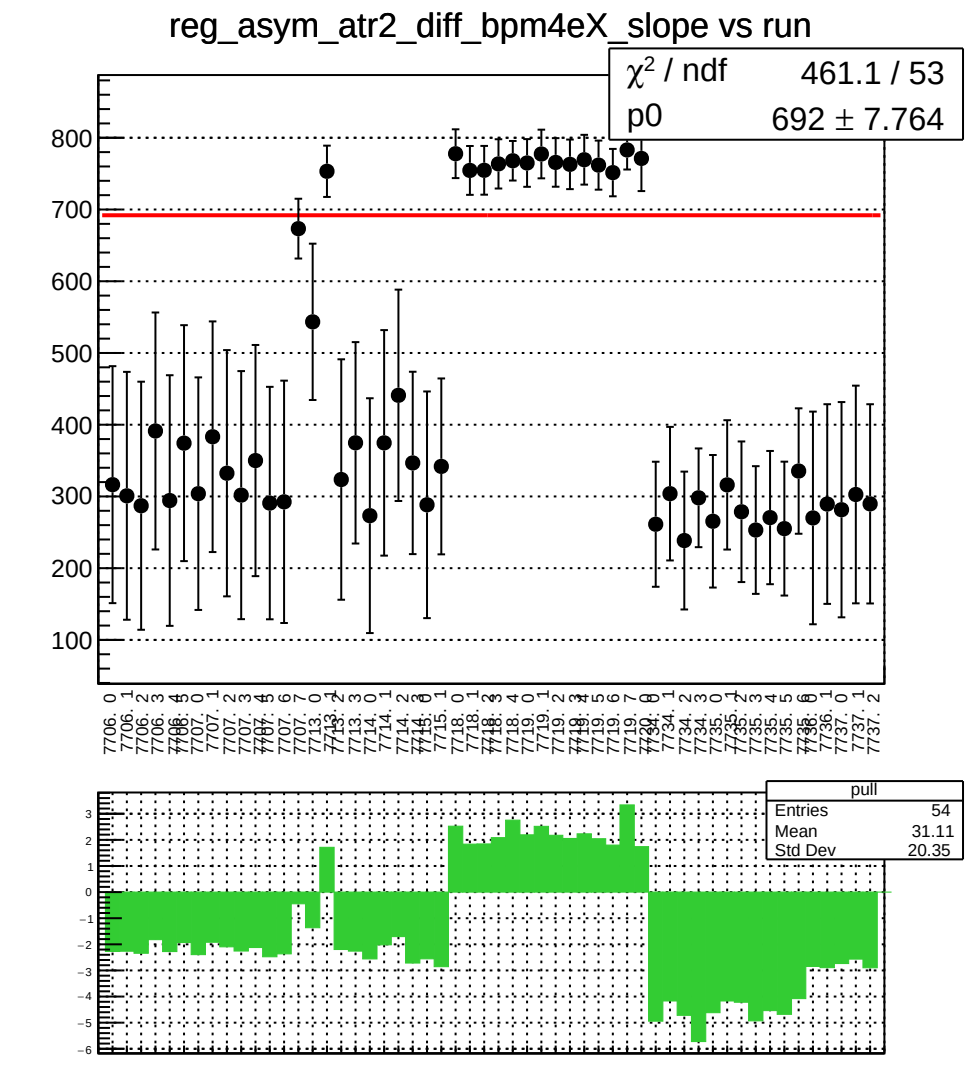

pull1D
Entries 54
Mean 0.2319
Std Dev 5.093

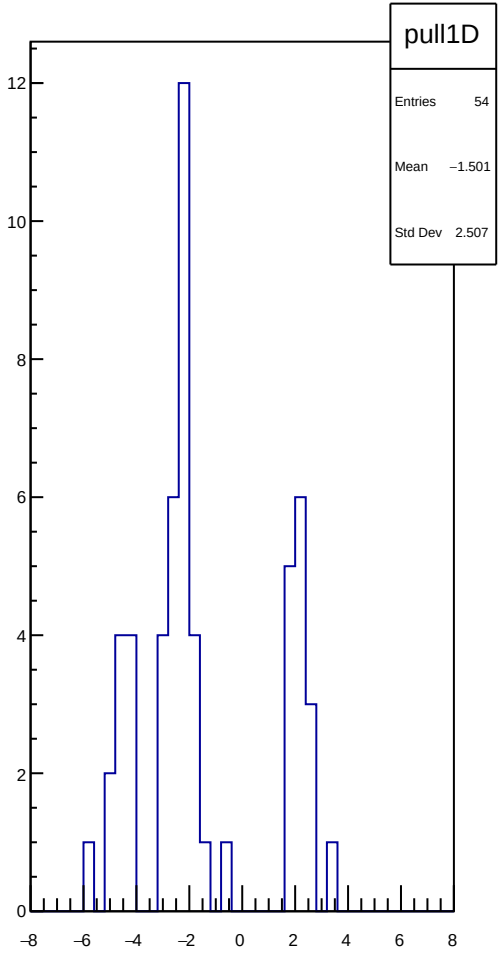

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 520.2 / 53
p0 −578.9 ± 9.349
pull
Entries 54
Mean 34.22
Std Dev 20.85

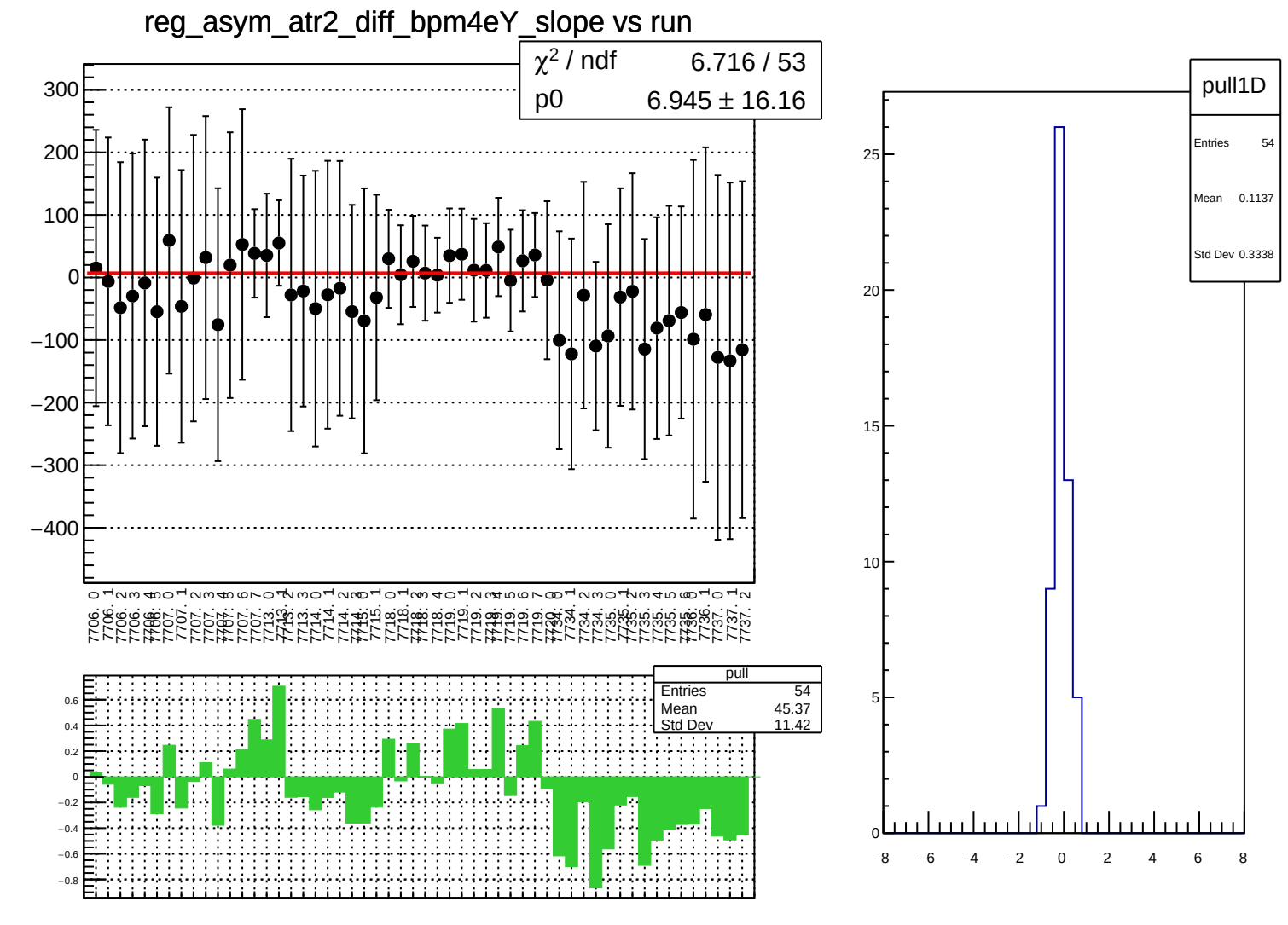

pull1D
Entries 54
Mean 1.313
Std Dev 2.812

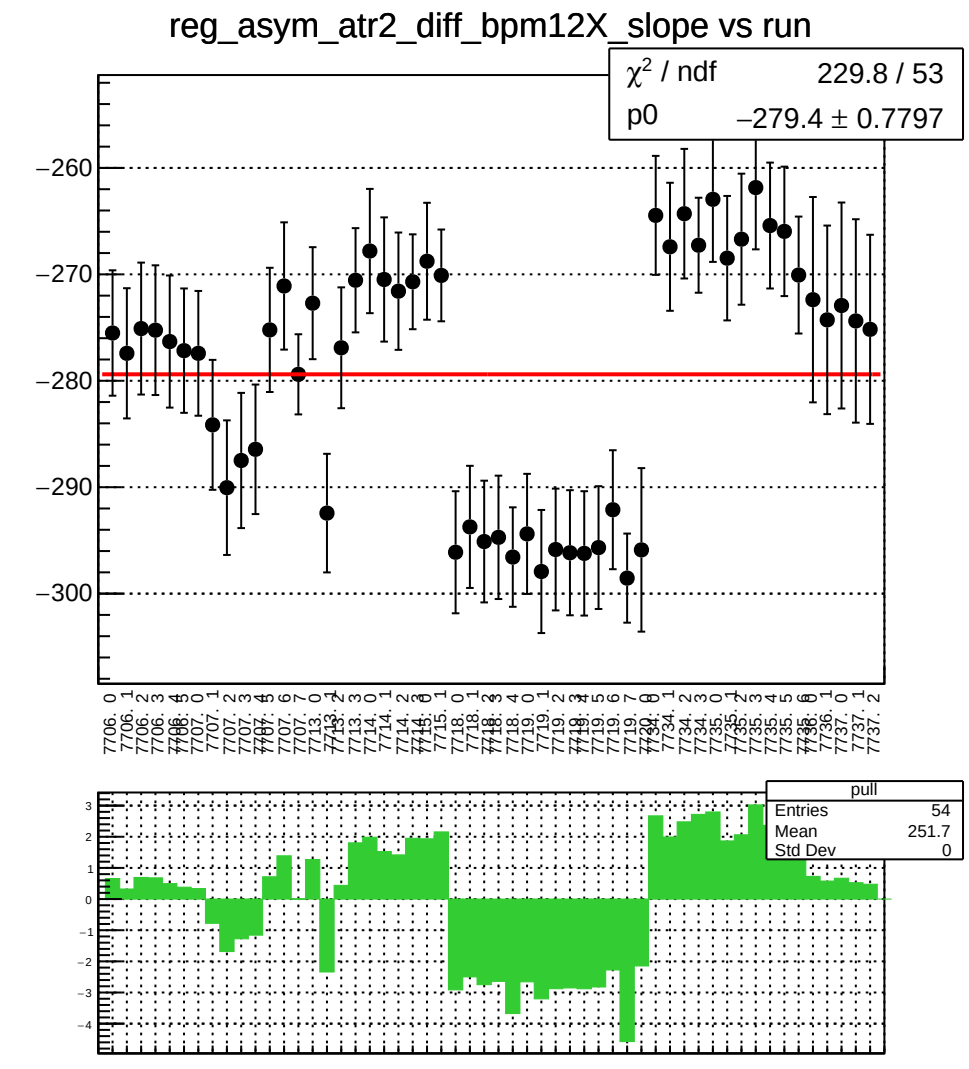

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.877 / 53
p0 89.64 ± 10.49
pull
Entries 54
Mean 19.35
Std Dev 15.99

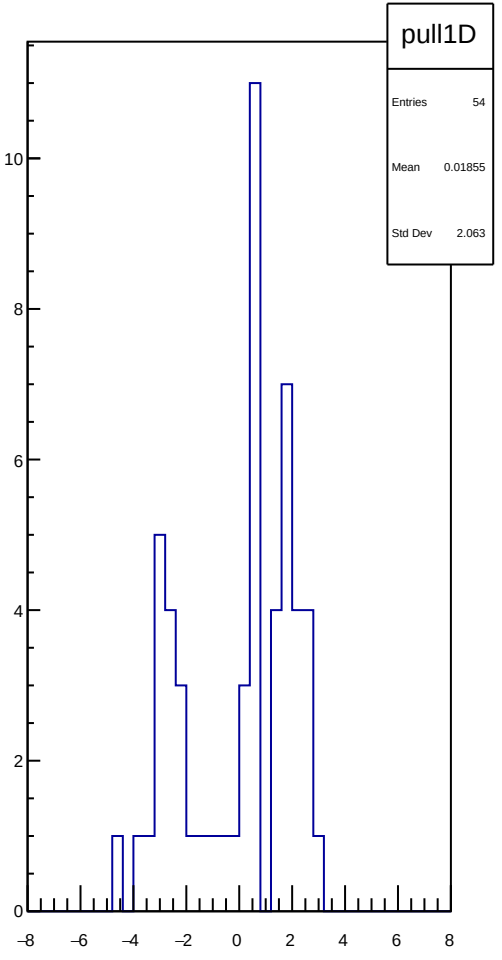

pull1D
Entries 54
Mean 0.05777
Std Dev 0.2235

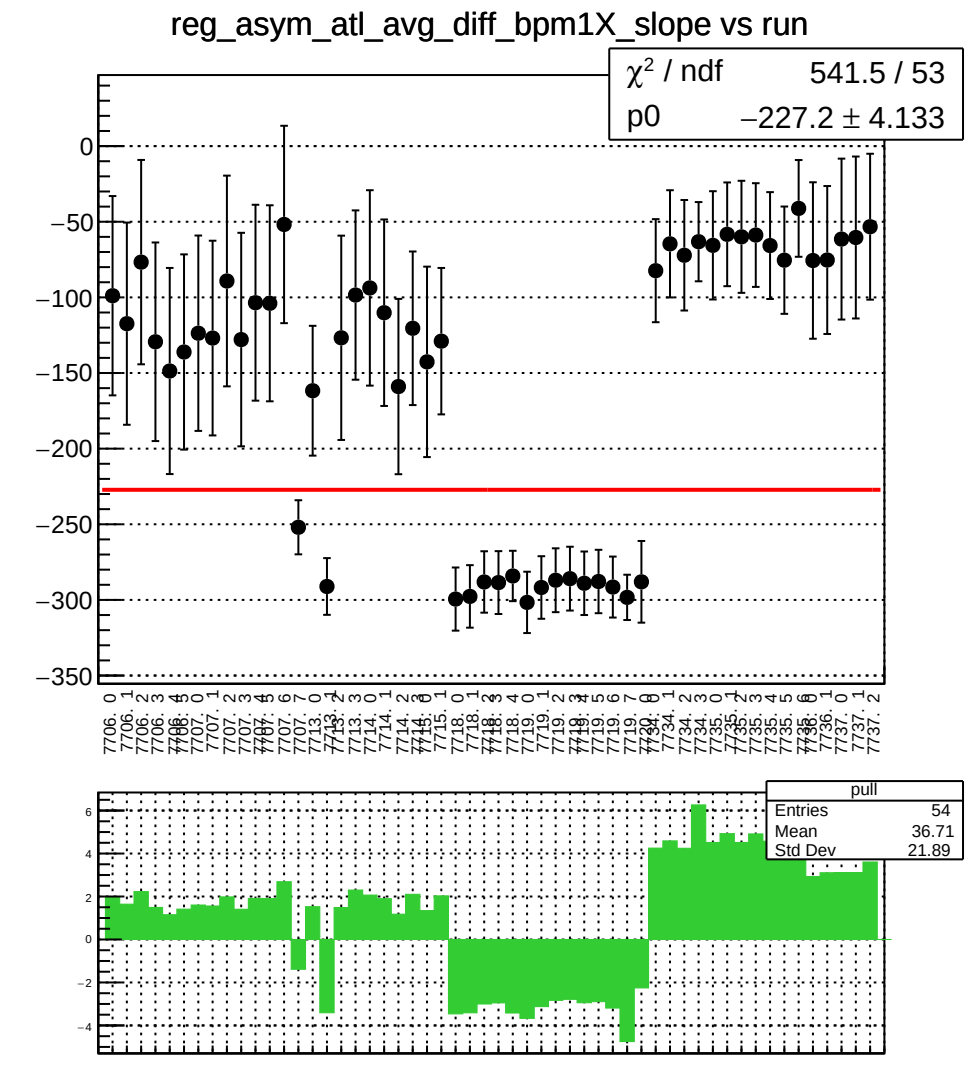

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 461.1 / 53
p0 692 ± 7.764
pull
Entries 54
Mean 31.11
Std Dev 20.35

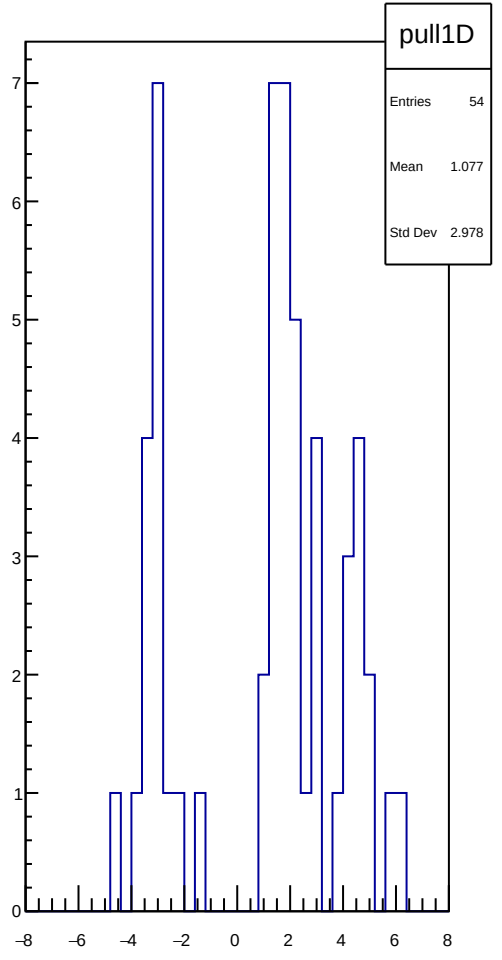

pull1D
Entries 54
Mean −1.501
Std Dev 2.507

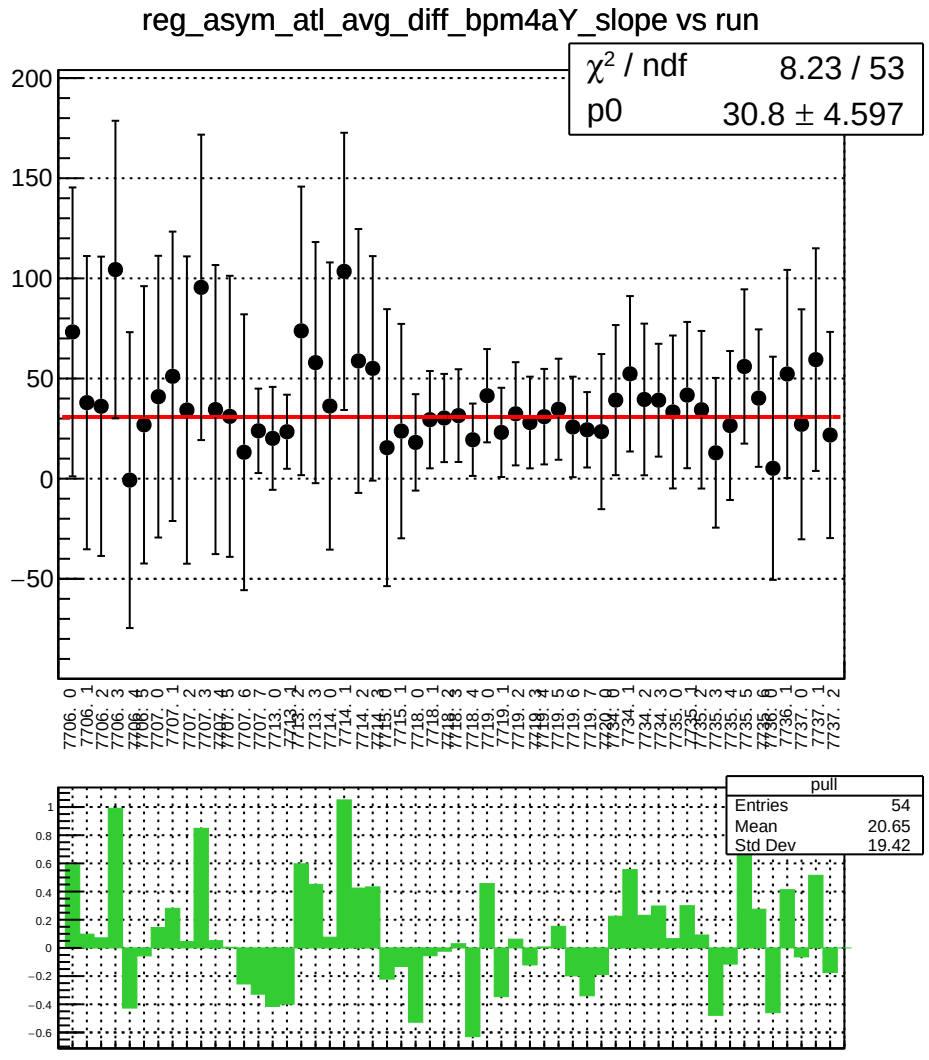

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.716 / 53
p0 6.945 ± 16.16
pull
Entries 54
Mean 45.37
Std Dev 11.42
pull1D
Entries 54
Mean −0.1137
Std Dev 0.3338

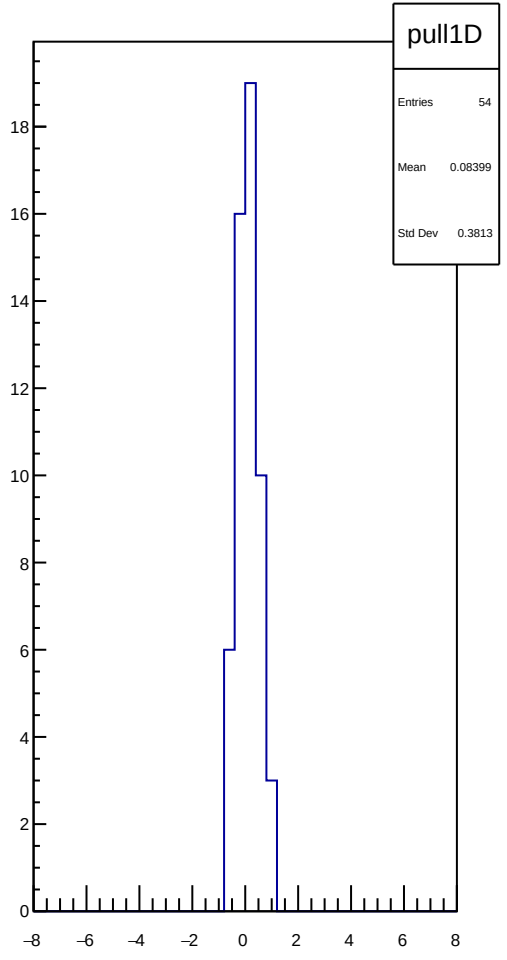

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 229.8 / 53
p0 −279.4 ± 0.7797
pull
Entries 54
Mean 251.7
Std Dev 0

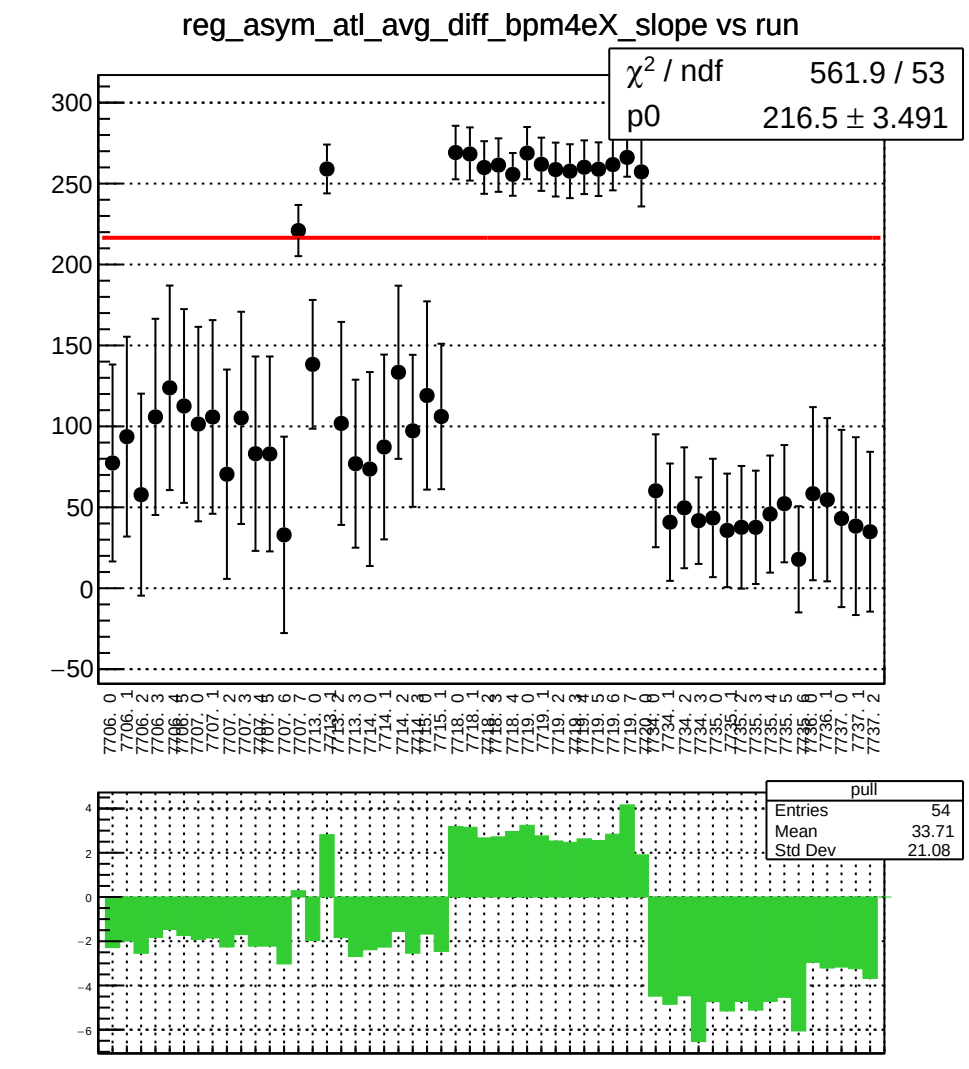

pull1D
Entries 54
Mean 0.01855
Std Dev 2.063

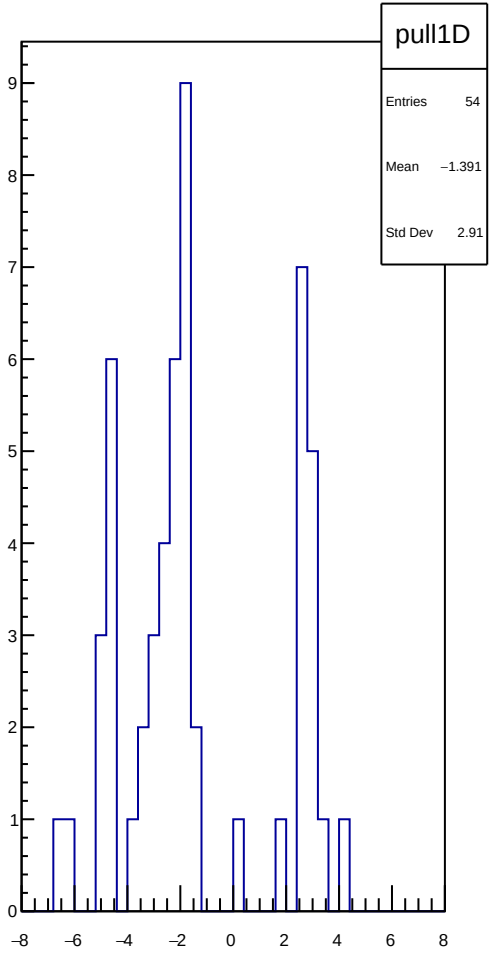

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 541.5 / 53
p0 −227.2 ± 4.133
pull
Entries 54
Mean 36.71
Std Dev 21.89

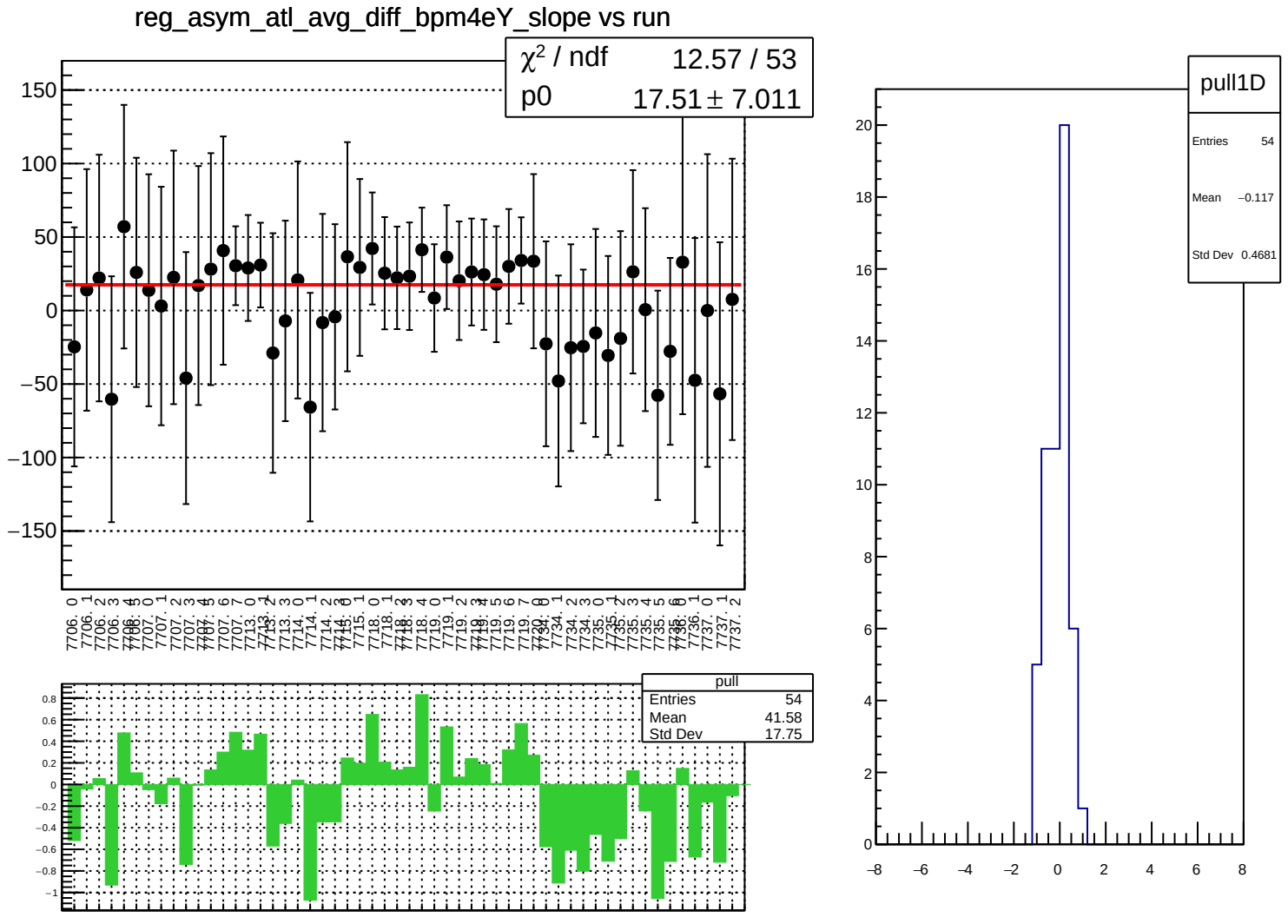

pull1D
Entries 54
Mean 1.077
Std Dev 2.978

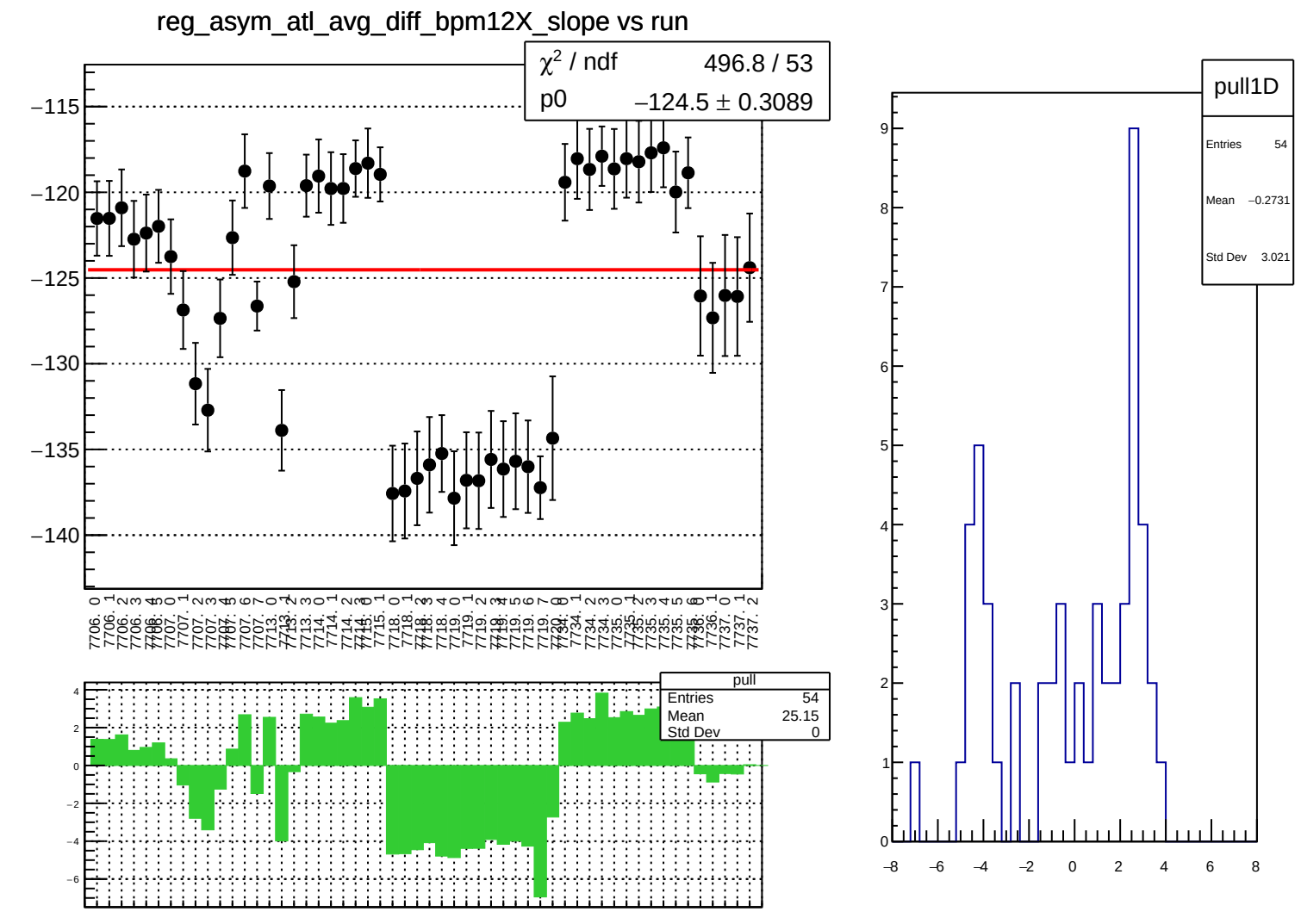

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.23 / 53
p0 30.8 ± 4.597
200
150
100
50
0
−50
pull
Entries 54
Mean 20.65
Std Dev 19.42
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

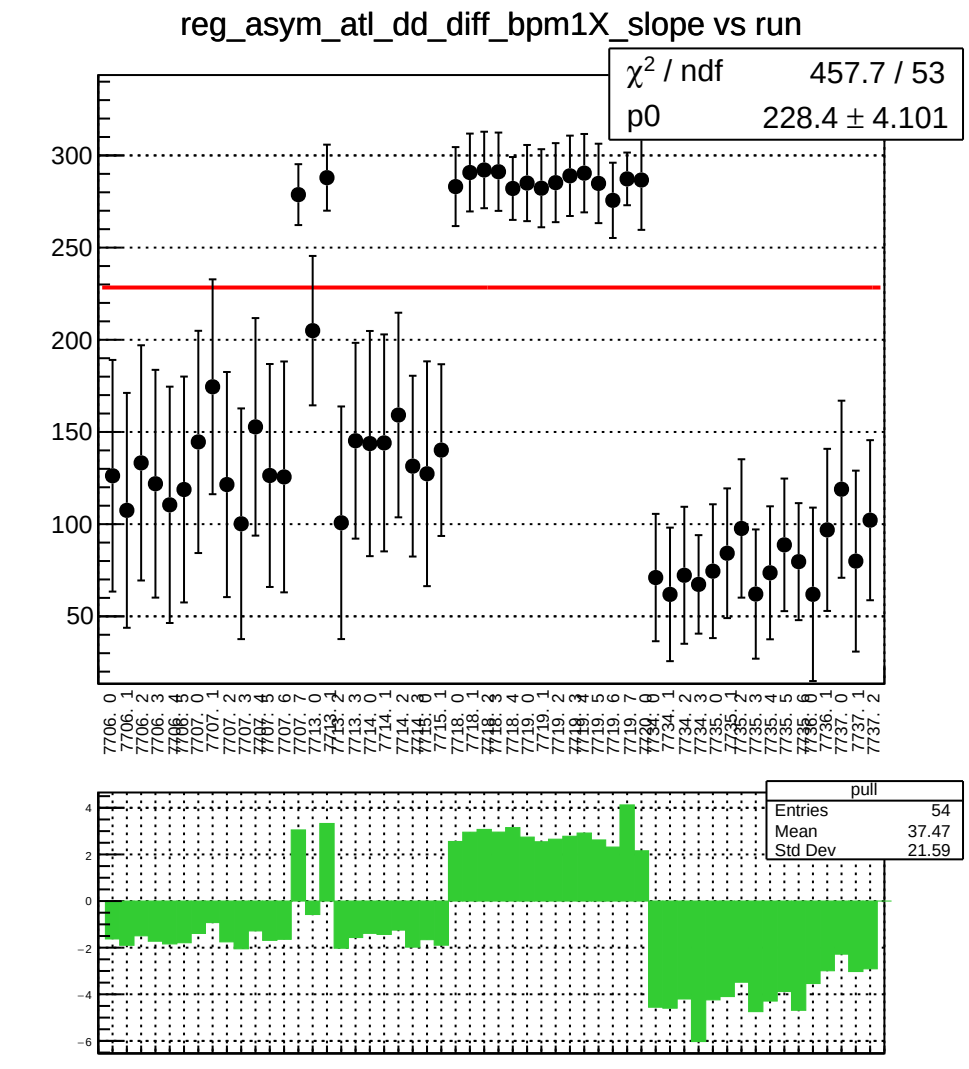

pull1D
Entries 54
Mean 0.08399
Std Dev 0.3813
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

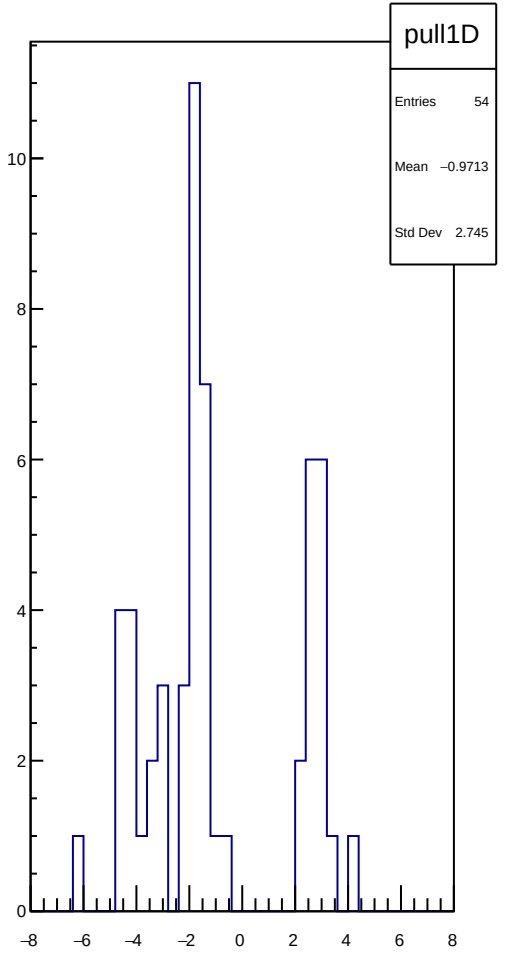

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 561.9 / 53
p0 216.5 ± 3.491
pull
Entries 54
Mean 33.71
Std Dev 21.08

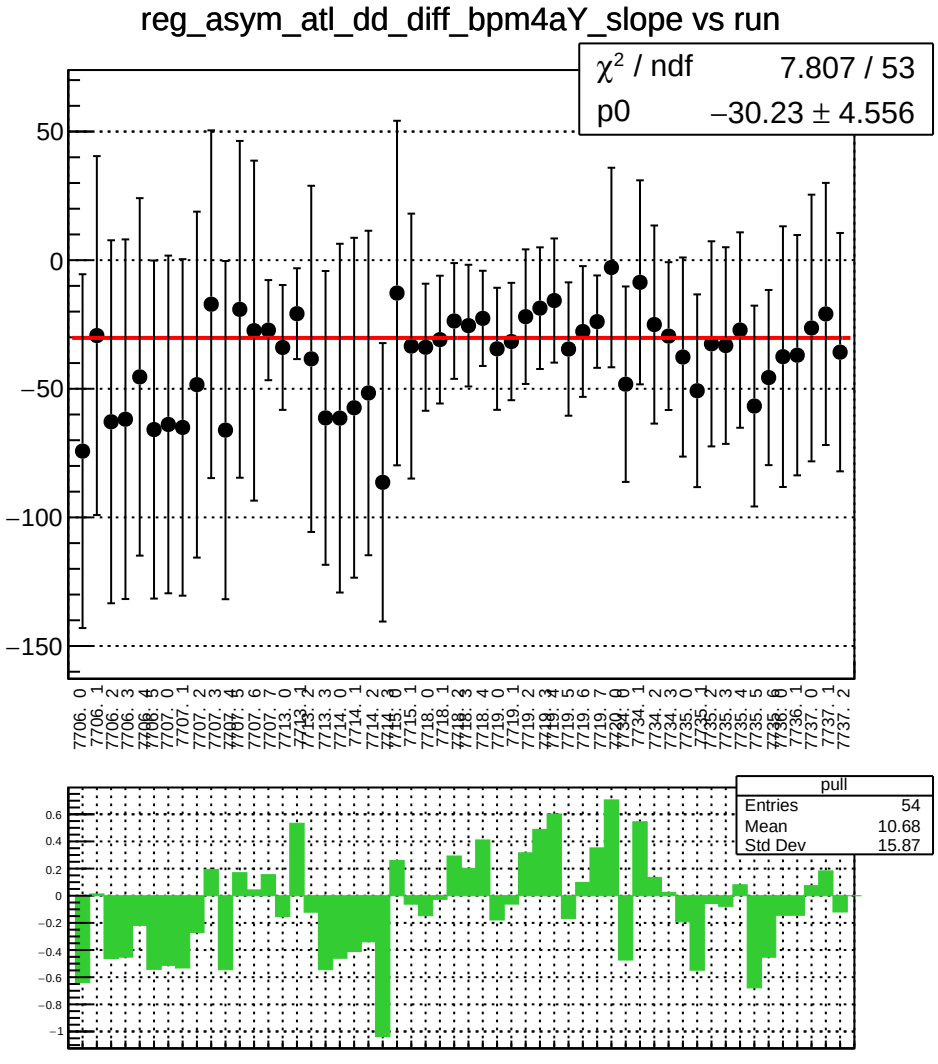

pull1D
Entries 54
Mean −1.391
Std Dev 2.91

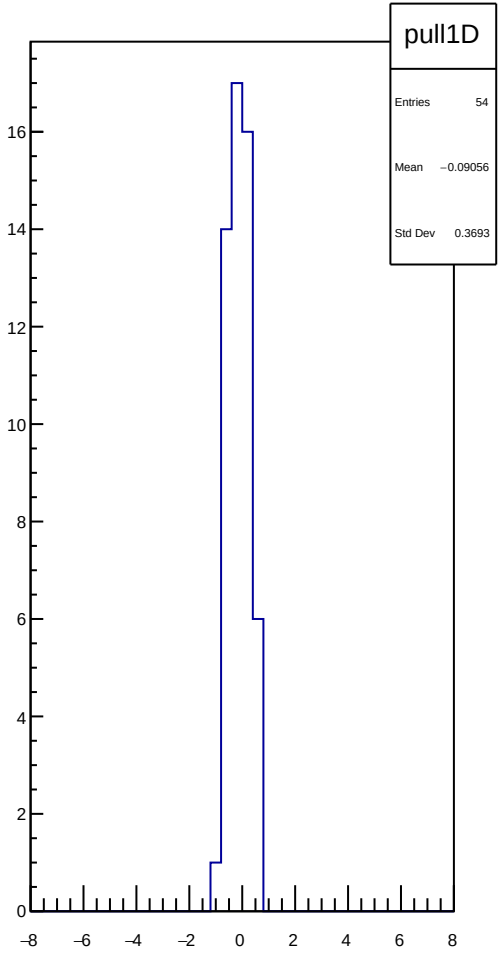

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.57 / 53
p0 17.51 ± 7.011
pull
Entries 54
Mean 41.58
Std Dev 17.75
pull1D
Entries 54
Mean −0.117
Std Dev 0.4681

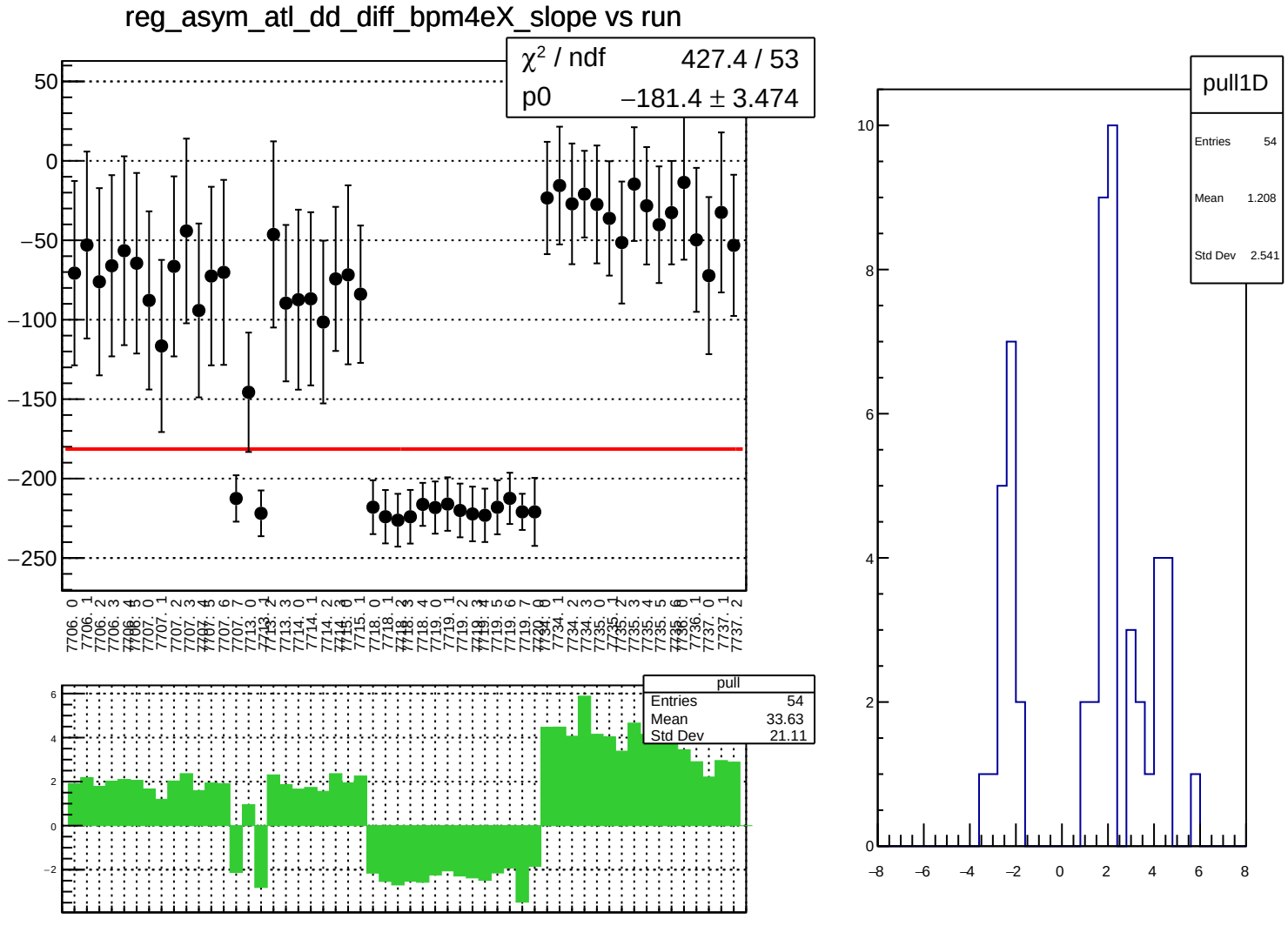

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 496.8 / 53
p0 −124.5 ± 0.3089
−115
−120
−125
−130
−135
−140
pull
Entries 54
Mean 25.15
Std Dev 0
pull1D
Entries 54
Mean −0.2731
Std Dev 3.021

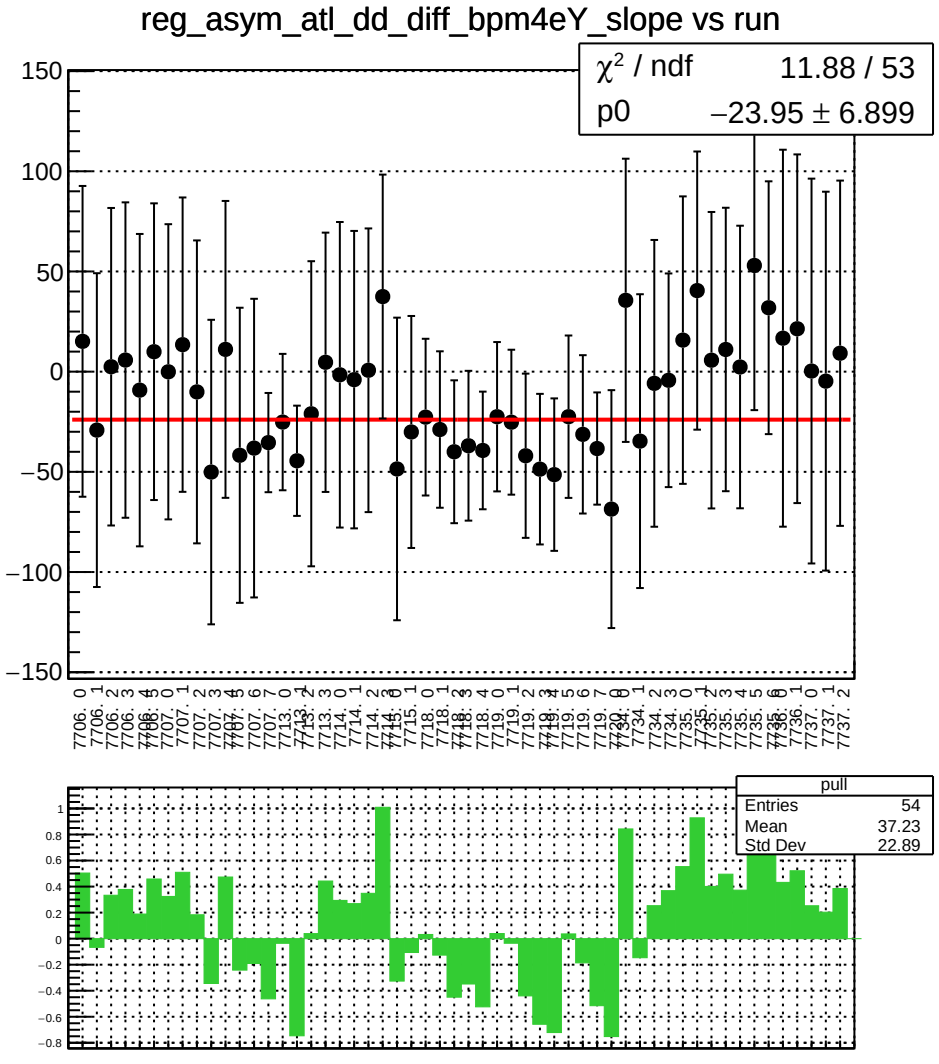

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 457.7 / 53
p0 228.4 ± 4.101
300
250
200
150
100
50
pull
Entries 54
Mean 37.47
Std Dev 21.59
4
2
0
−2
−4
−6

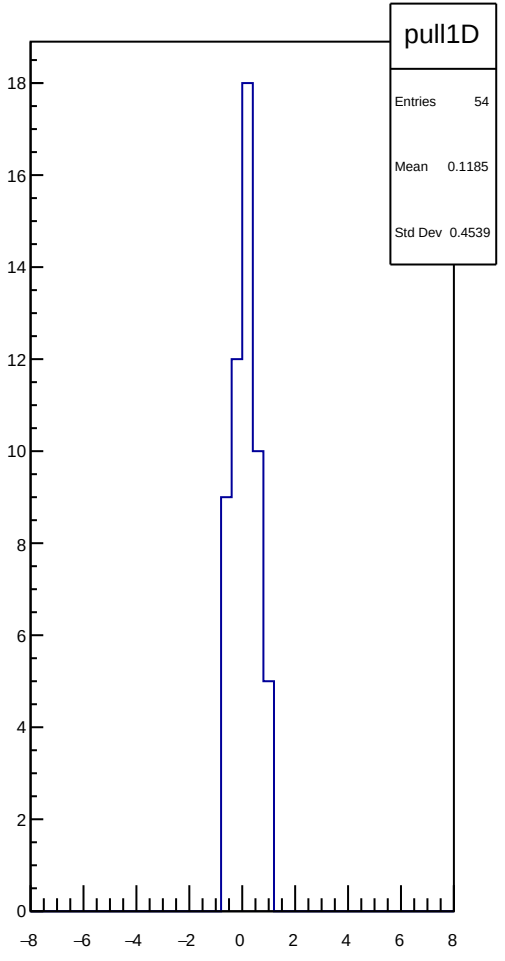

pull1D
Entries 54
Mean −0.9713
Std Dev 2.745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

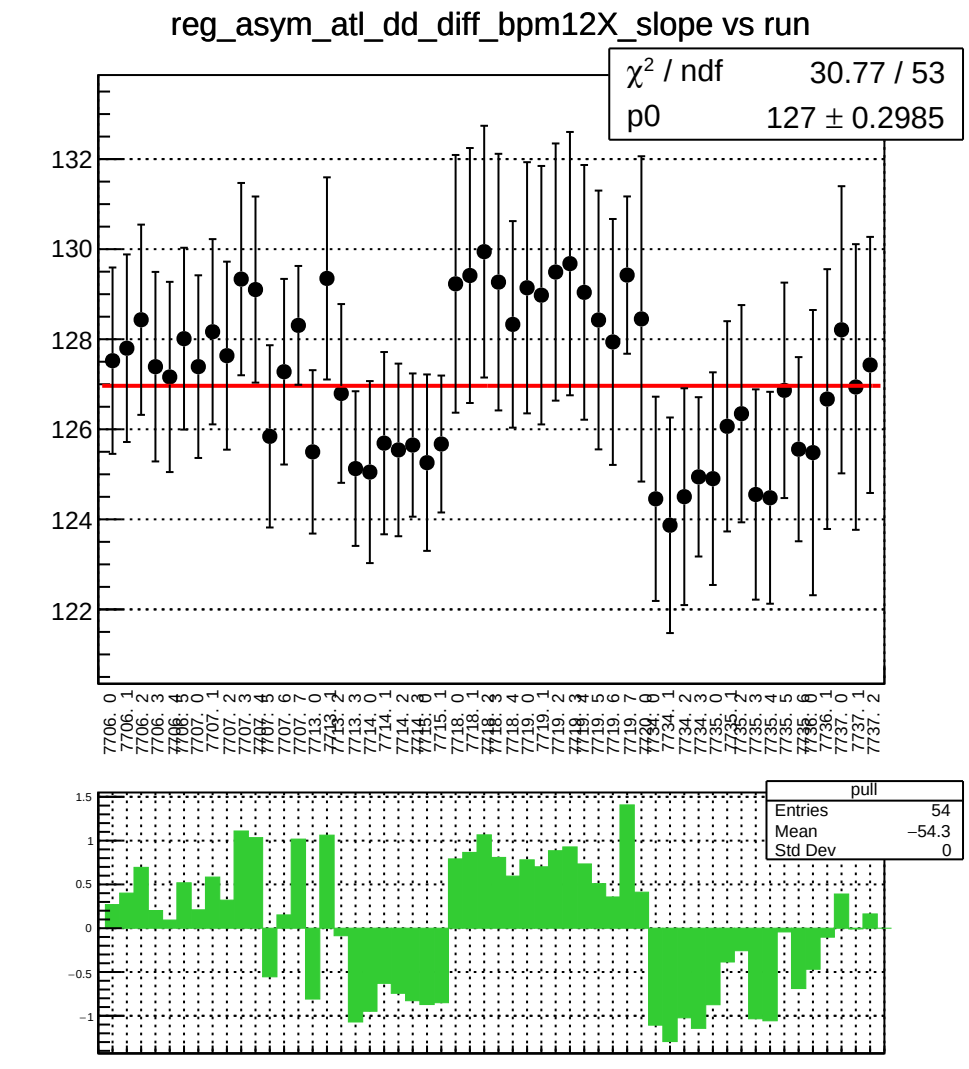

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.807 / 53
p0 −30.23 ± 4.556
pull
Entries 54
Mean 10.68
Std Dev 15.87

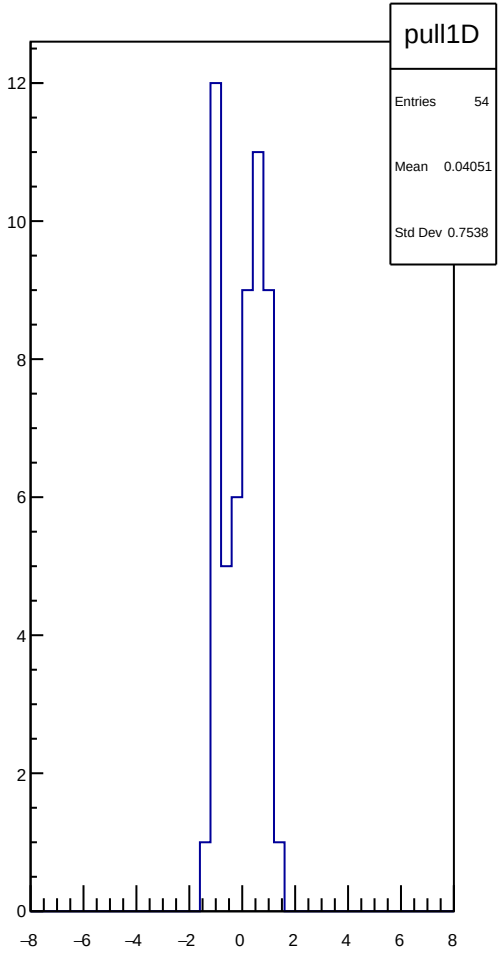

pull1D
Entries 54
Mean −0.09056
Std Dev 0.3693

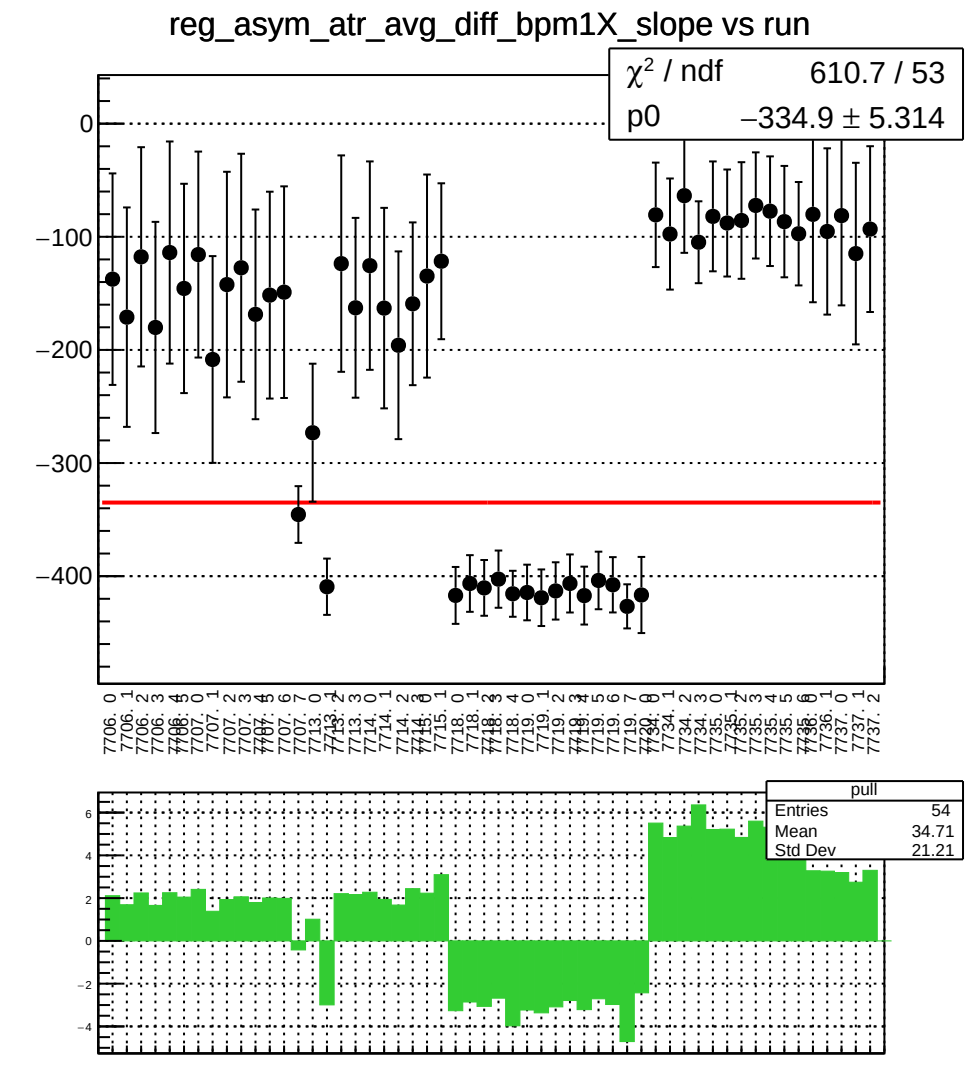

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 427.4 / 53
p0 −181.4 ± 3.474
pull
Entries 54
Mean 33.63
Std Dev 21.11
pull1D
Entries 54
Mean 1.208
Std Dev 2.541

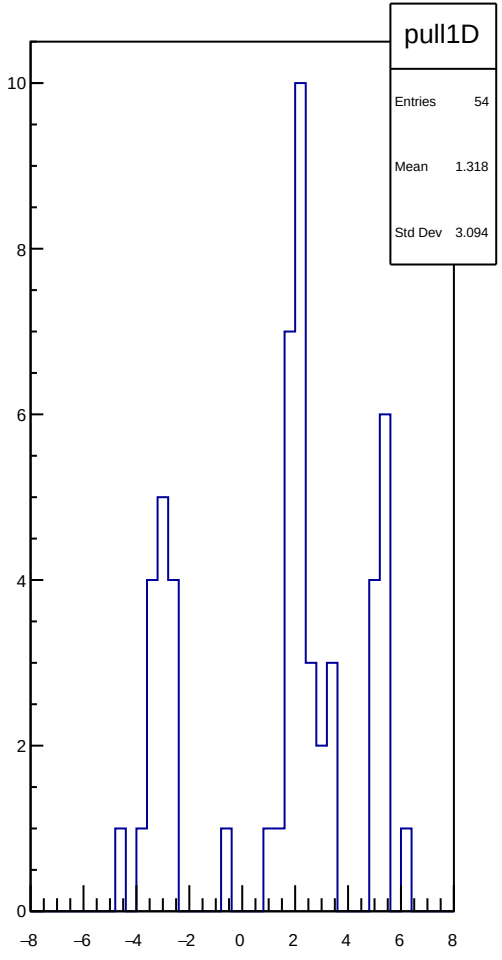

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.88 / 53
p0 −23.95 ± 6.899
pull
Entries 54
Mean 37.23
Std Dev 22.89

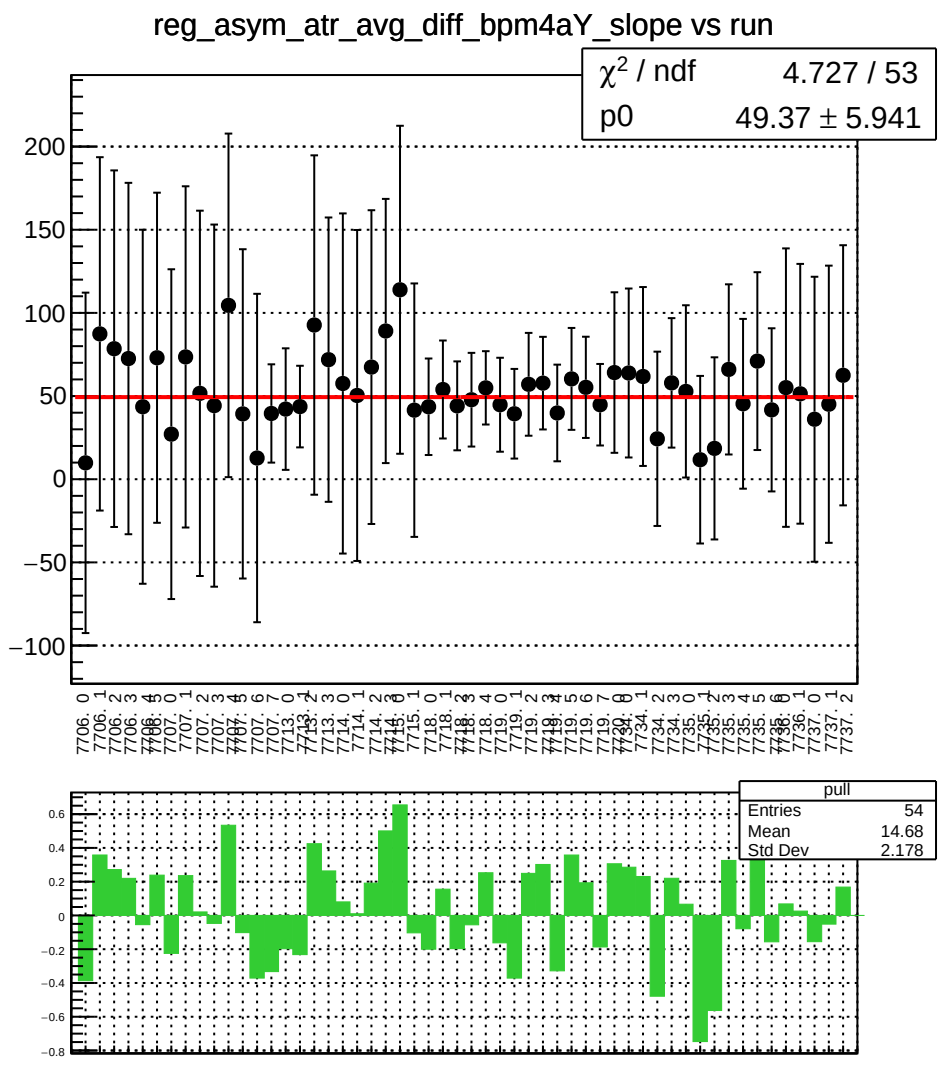

pull1D
Entries 54
Mean 0.1185
Std Dev 0.4539

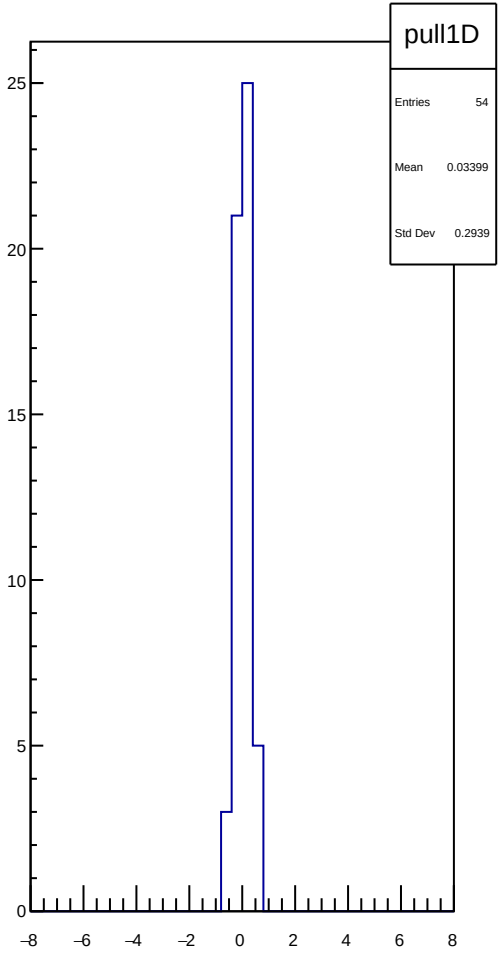

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 30.77 / 53
p0 127 ± 0.2985
pull
Entries 54
Mean −54.3
Std Dev 0

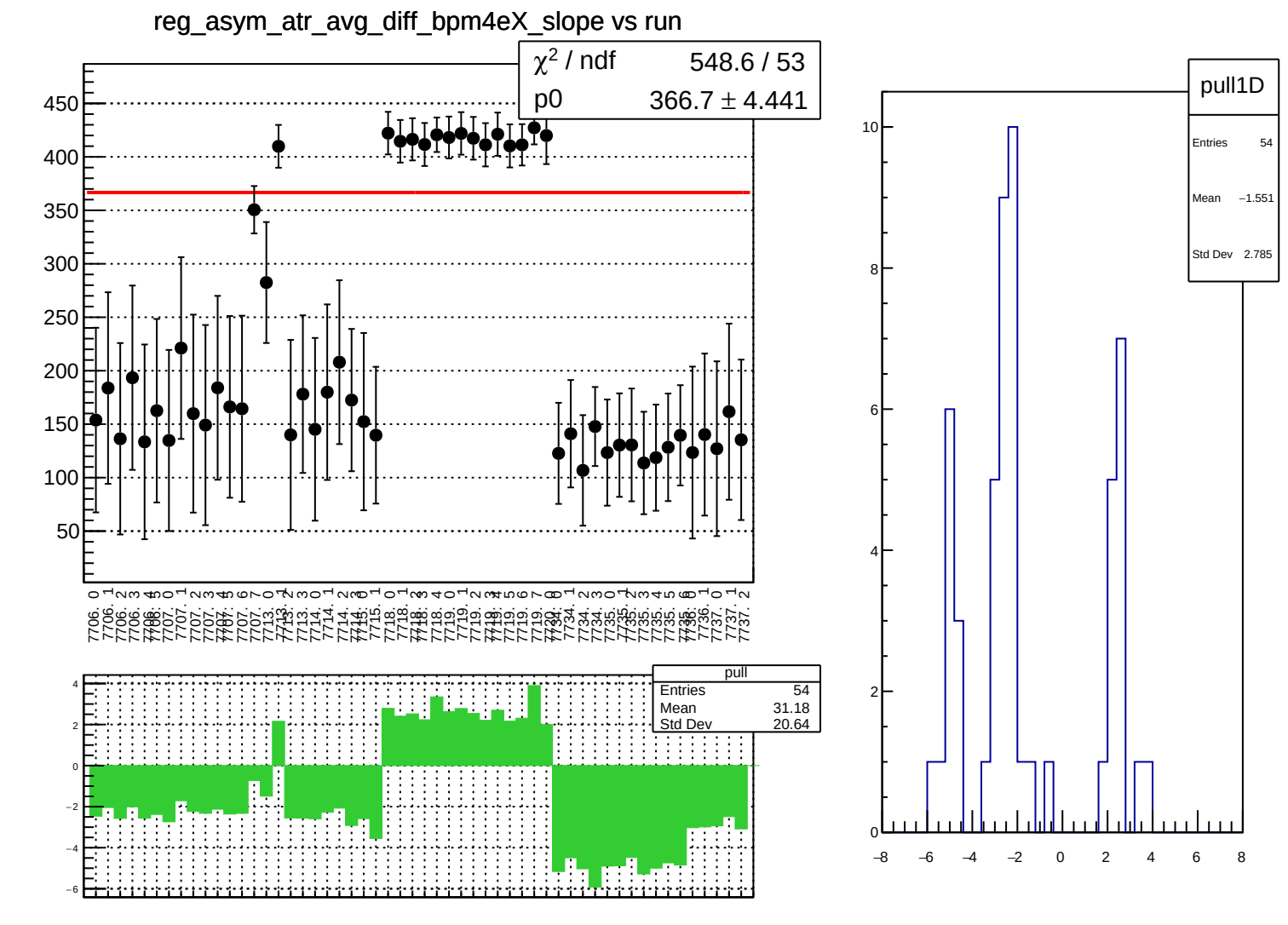

pull1D
Entries 54
Mean 0.04051
Std Dev 0.7538

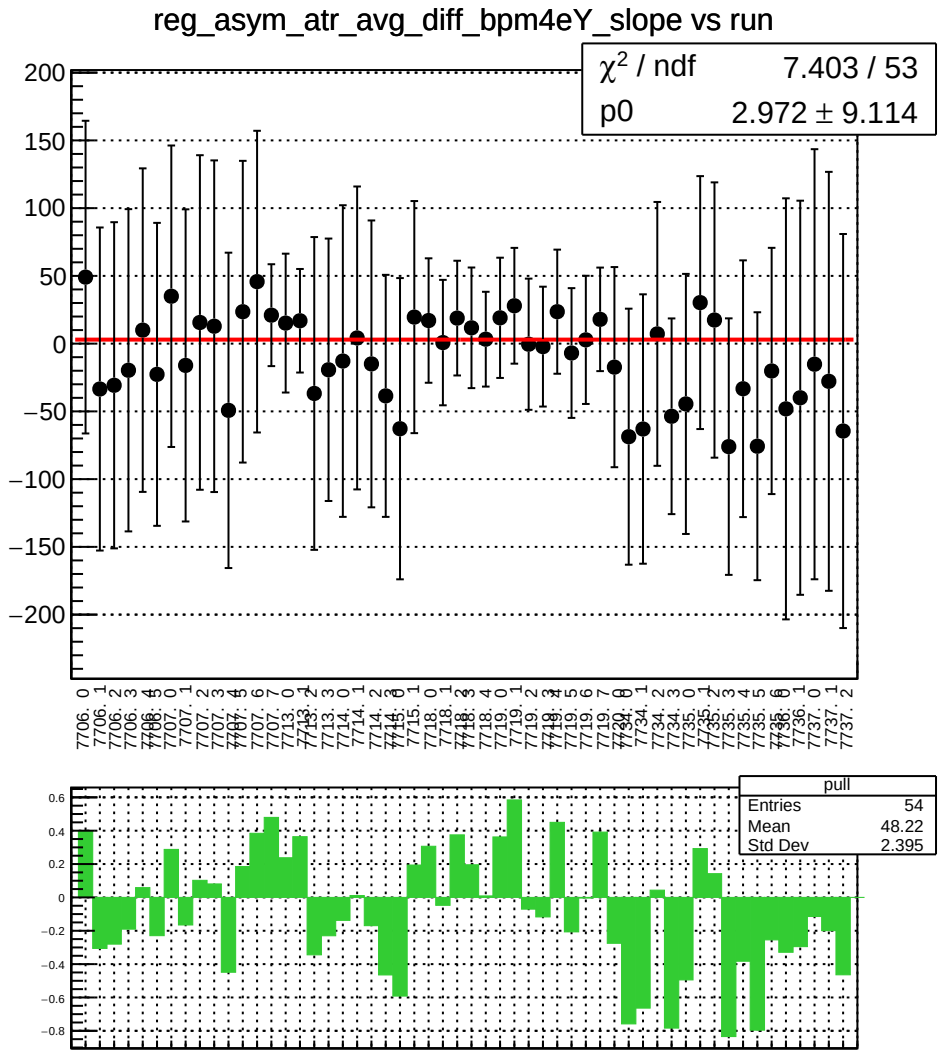

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 610.7 / 53
p0 −334.9 ± 5.314
pull
Entries 54
Mean 34.71
Std Dev 21.21

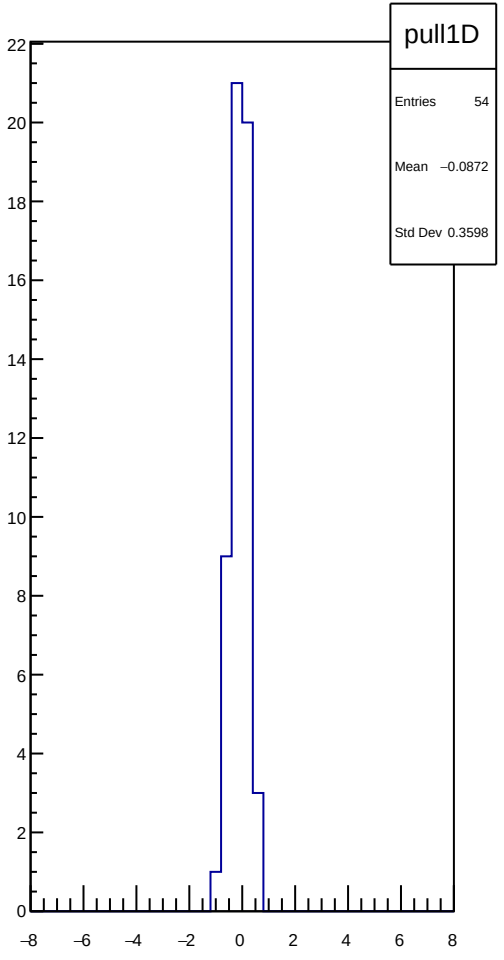

pull1D
Entries 54
Mean 1.318
Std Dev 3.094

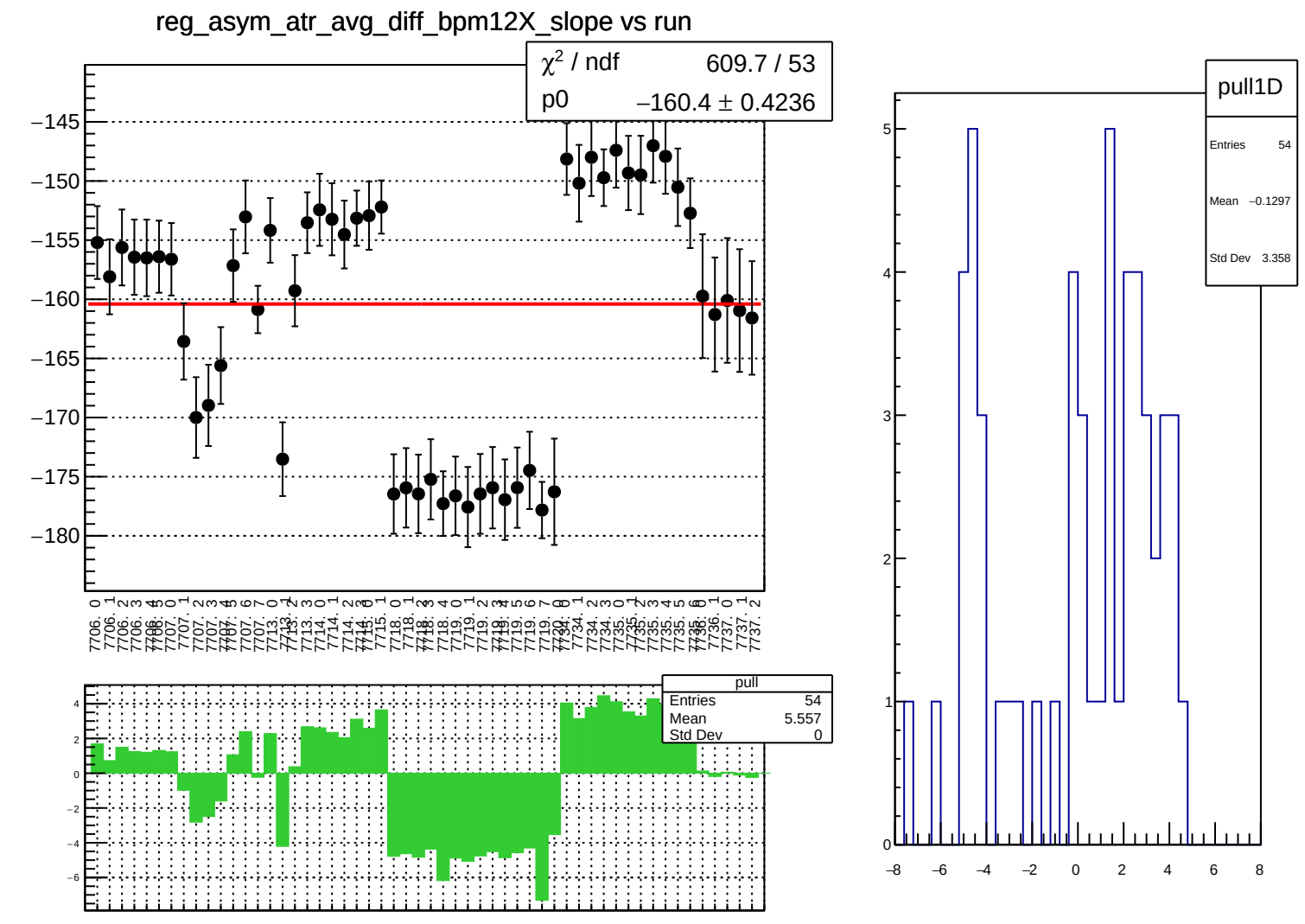

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.727 / 53
p0 49.37 ± 5.941
pull
Entries 54
Mean 14.68
Std Dev 2.178

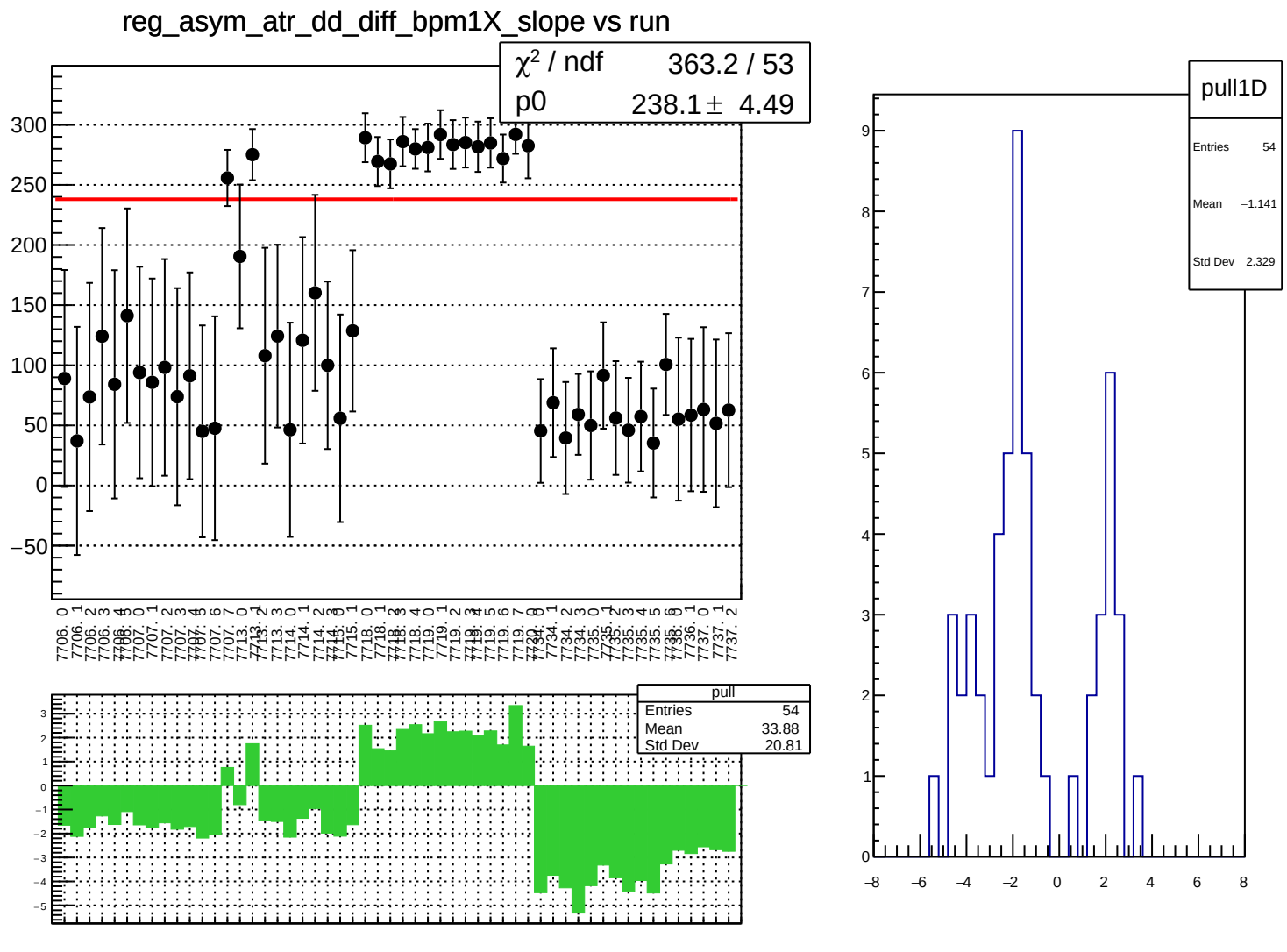

pull1D
Entries 54
Mean 0.03399
Std Dev 0.2939

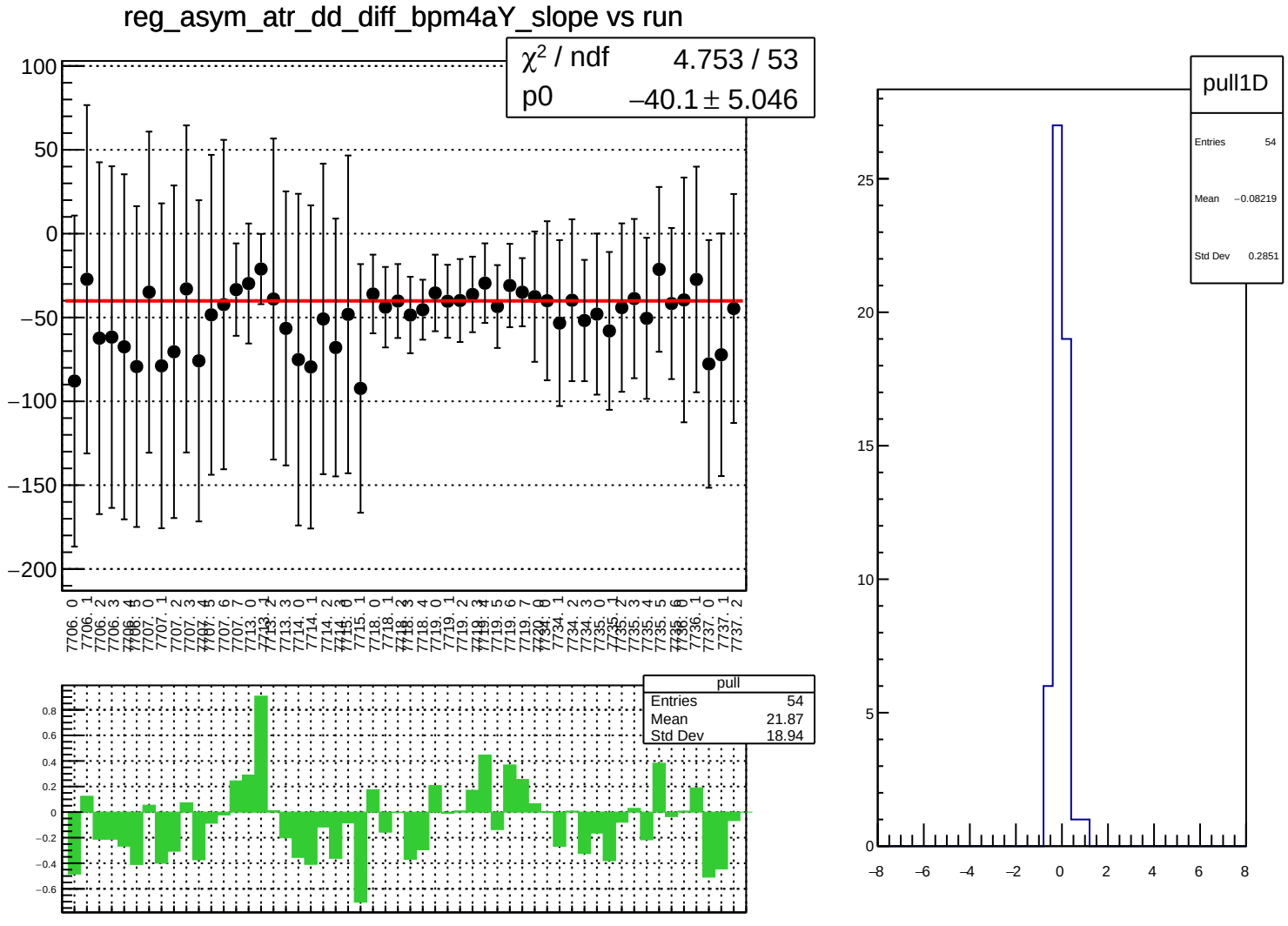

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 548.6 / 53
p0 366.7 ± 4.441
pull
Entries 54
Mean 31.18
Std Dev 20.64
pull1D
Entries 54
Mean −1.551
Std Dev 2.785

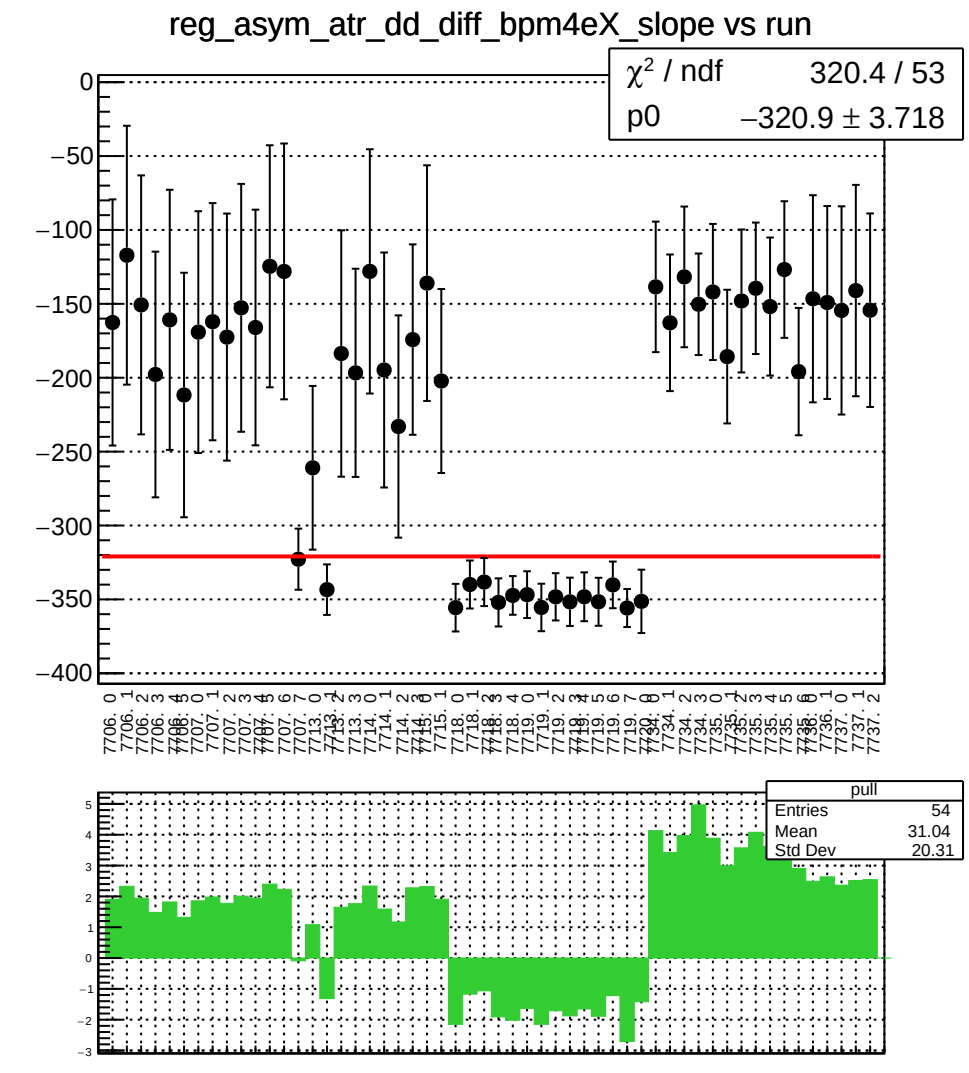

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.403 / 53
p0 2.972 ± 9.114
pull
Entries 54
Mean 48.22
Std Dev 2.395

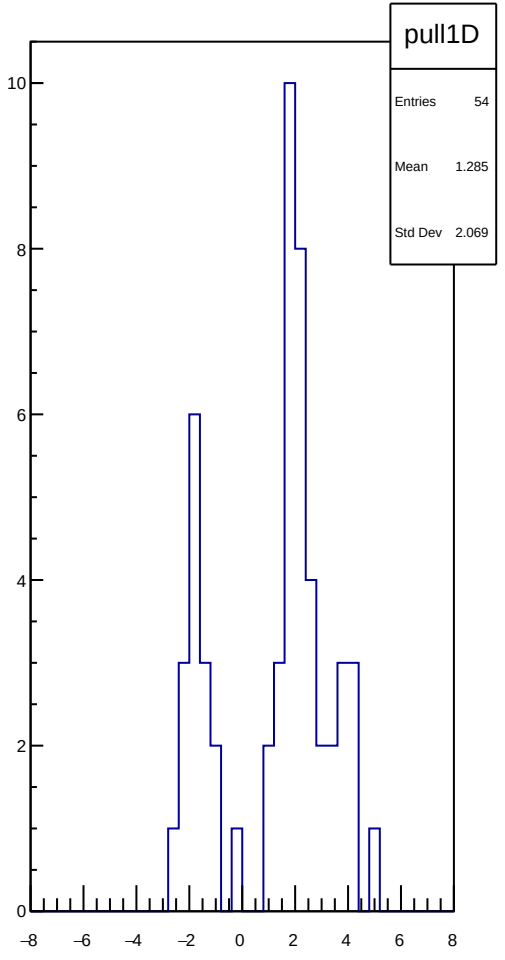

pull1D
Entries 54
Mean −0.0872
Std Dev 0.3598

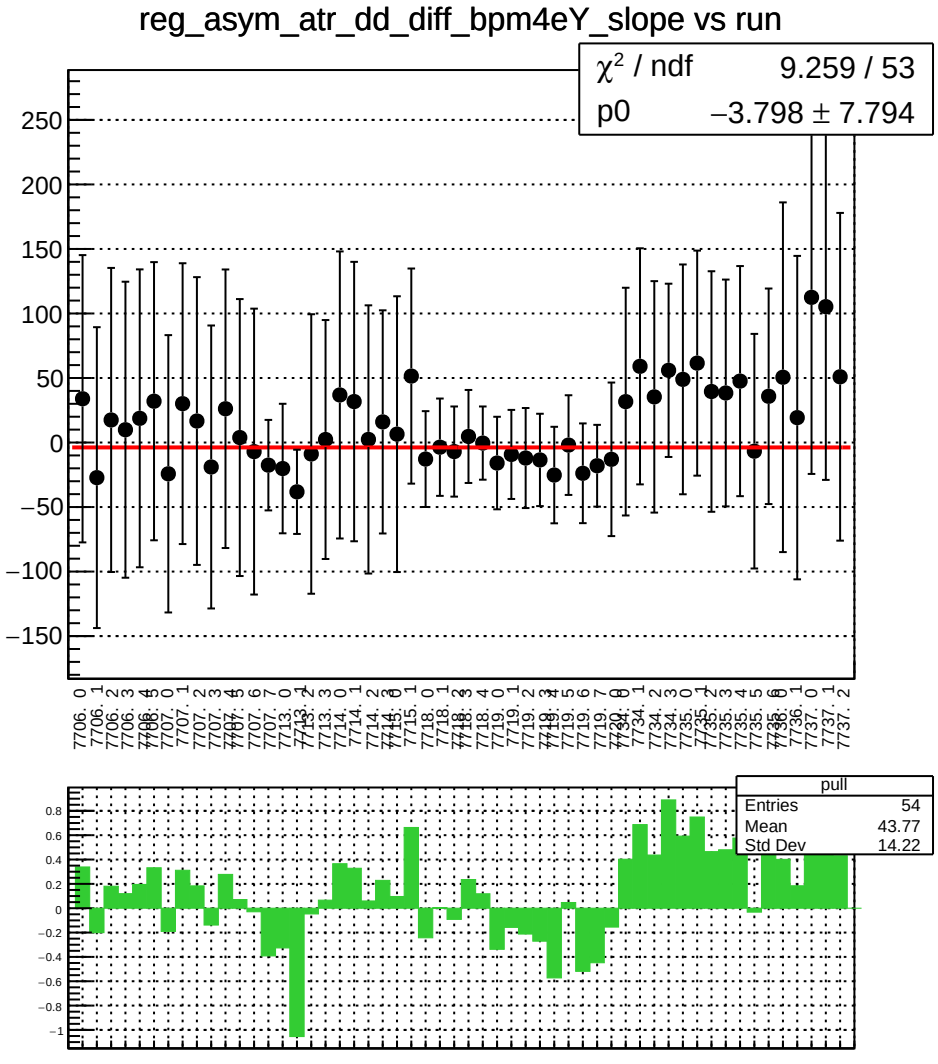

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 609.7 / 53
p0 −160.4 ± 0.4236
pull
Entries 54
Mean 5.557
Std Dev 0
pull1D
Entries 54
Mean −0.1297
Std Dev 3.358

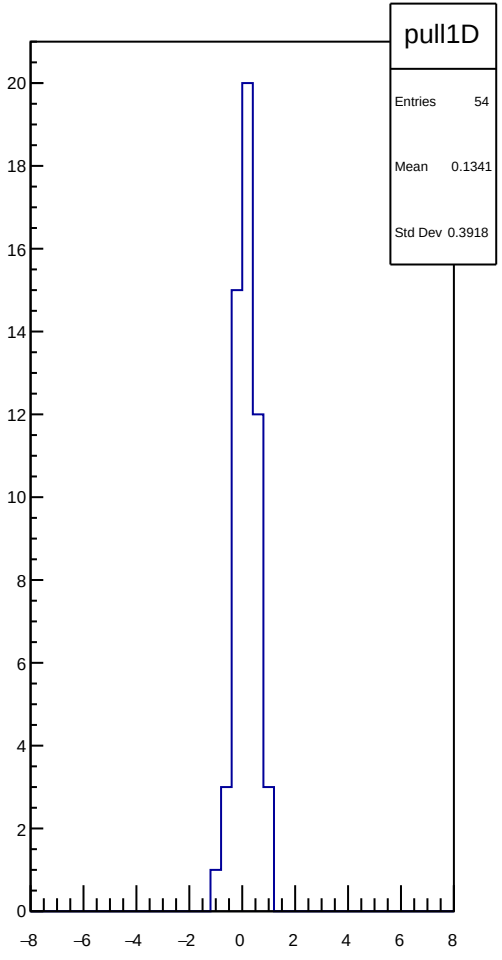

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 363.2 / 53
p0 238.1 ± 4.49
pull
Entries 54
Mean 33.88
Std Dev 20.81
pull1D
Entries 54
Mean −1.141
Std Dev 2.329

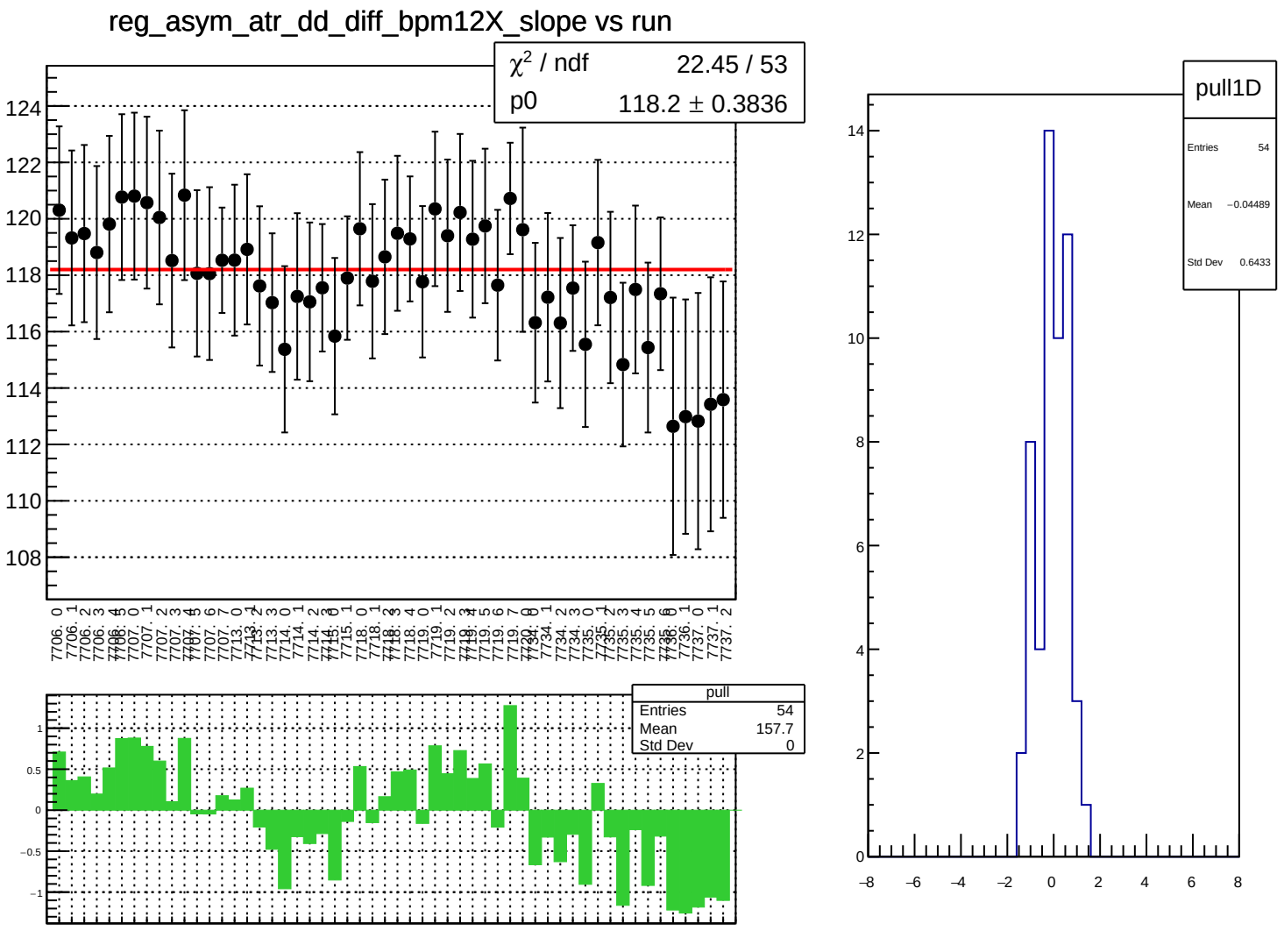

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.753 / 53
p0 −40.1 ± 5.046
pull
Entries 54
Mean 21.87
Std Dev 18.94
pull1D
Entries 54
Mean −0.08219
Std Dev 0.2851

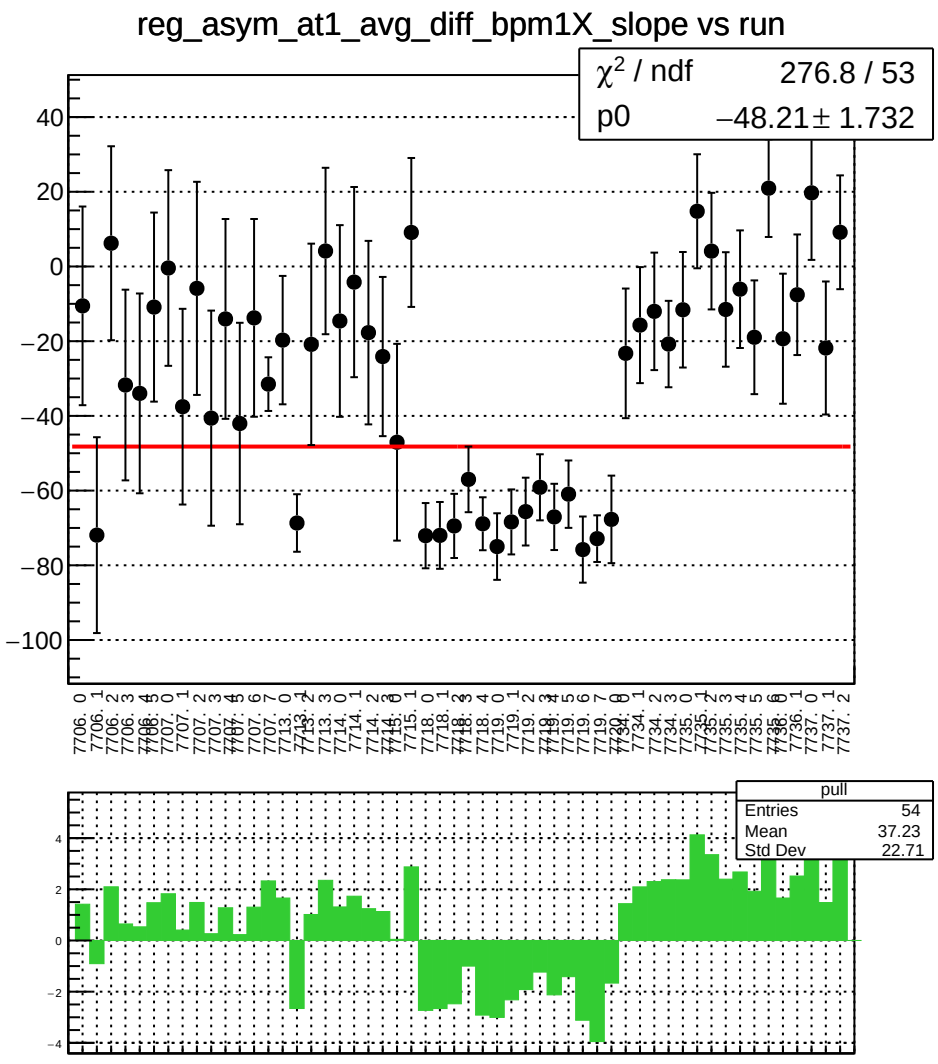

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 320.4 / 53
p0 −320.9 ± 3.718
pull
Entries 54
Mean 31.04
Std Dev 20.31

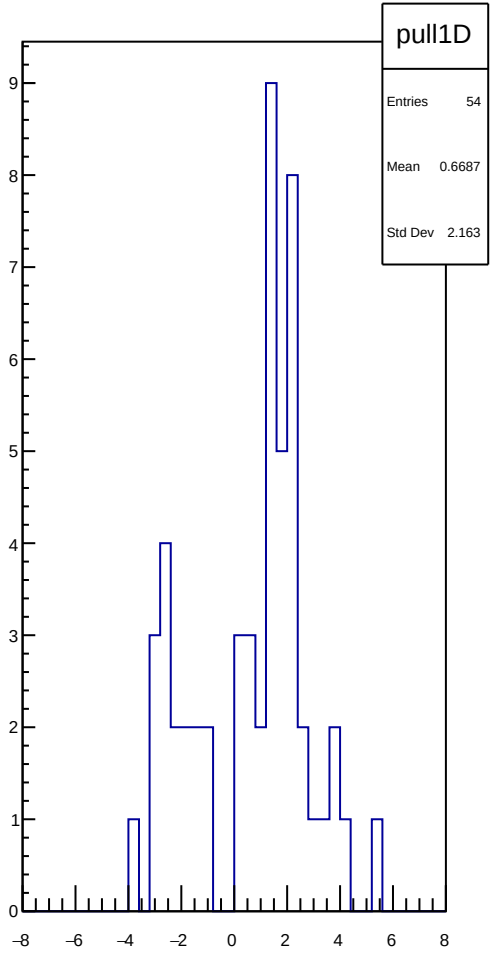

pull1D
Entries 54
Mean 1.285
Std Dev 2.069

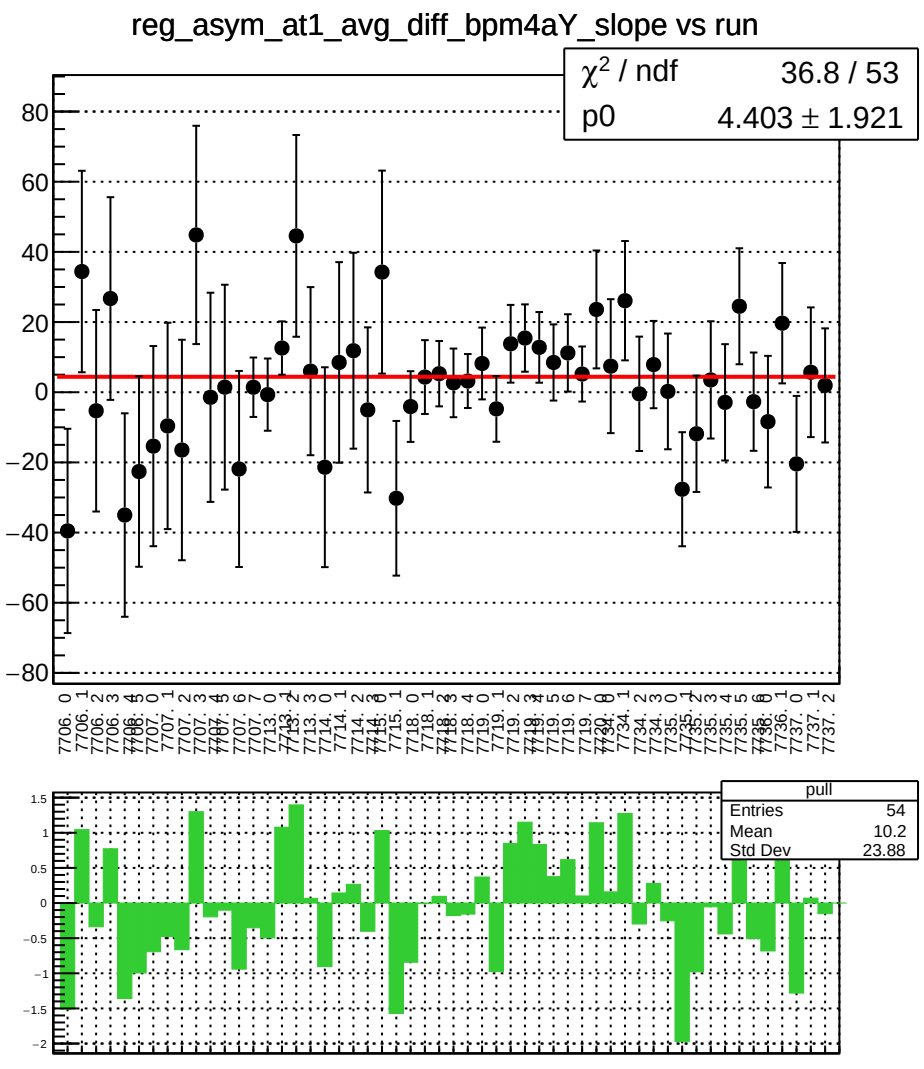

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.259 / 53
p0 −3.798 ± 7.794
pull
Entries 54
Mean 43.77
Std Dev 14.22

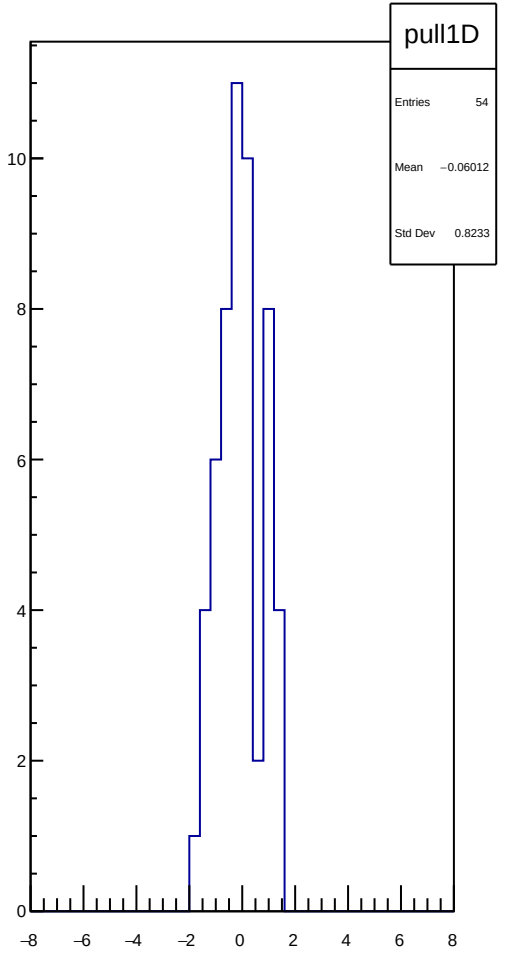

pull1D
Entries 54
Mean 0.1341
Std Dev 0.3918

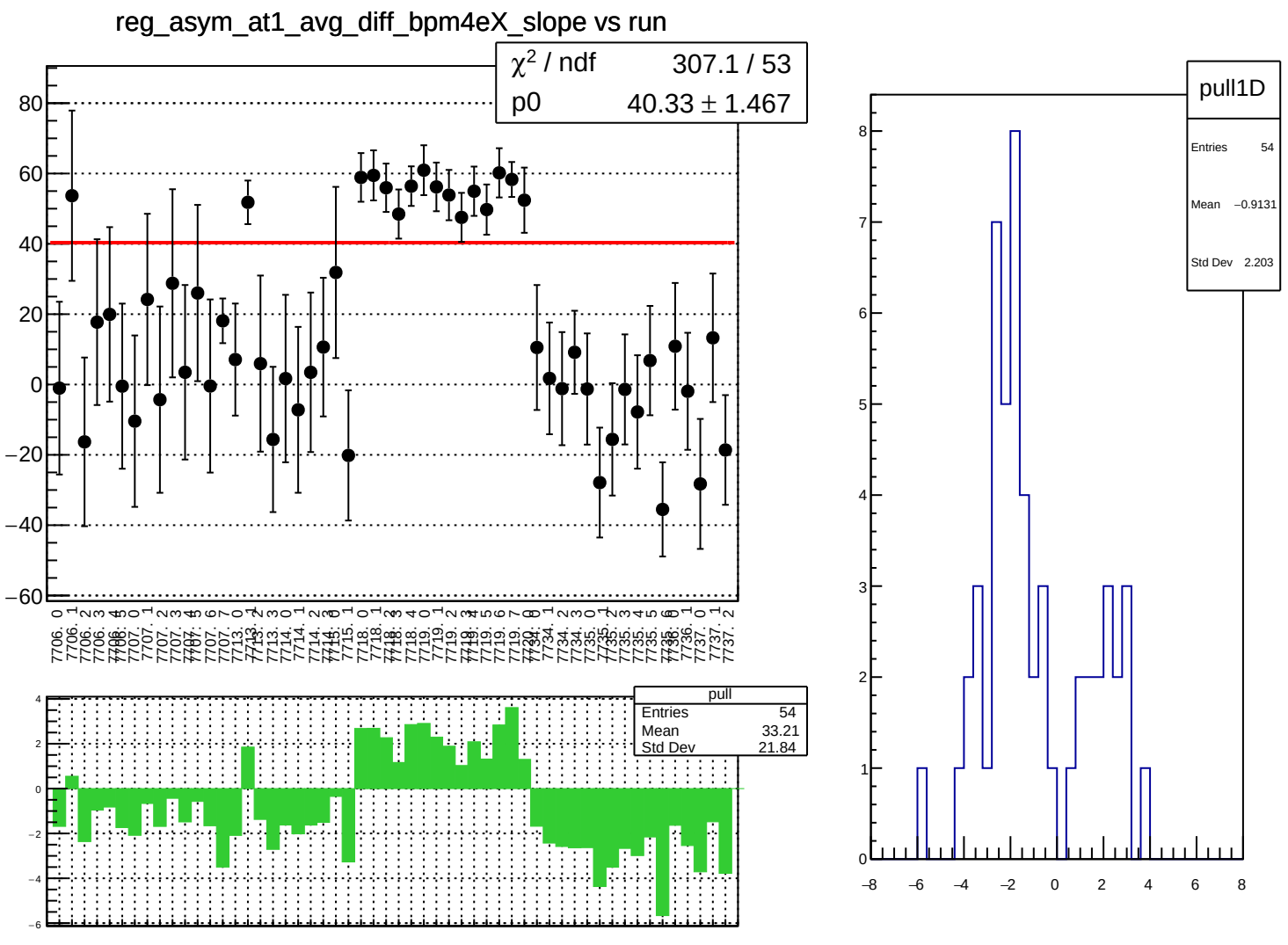

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 22.45 / 53
p0 118.2 ± 0.3836
pull
Entries 54
Mean 157.7
Std Dev 0
pull1D
Entries 54
Mean −0.04489
Std Dev 0.6433

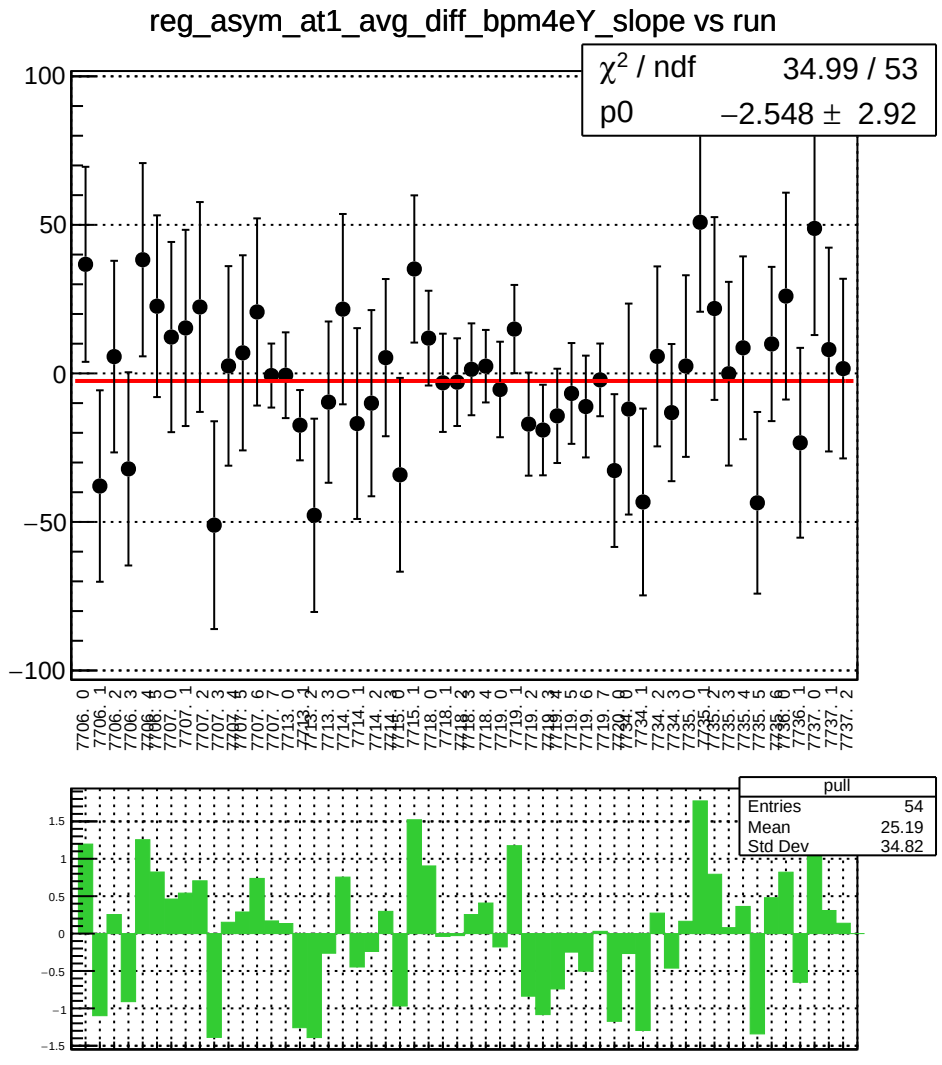

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 276.8 / 53
p0 −48.21± 1.732
pull
Entries 54
Mean 37.23
Std Dev 22.71

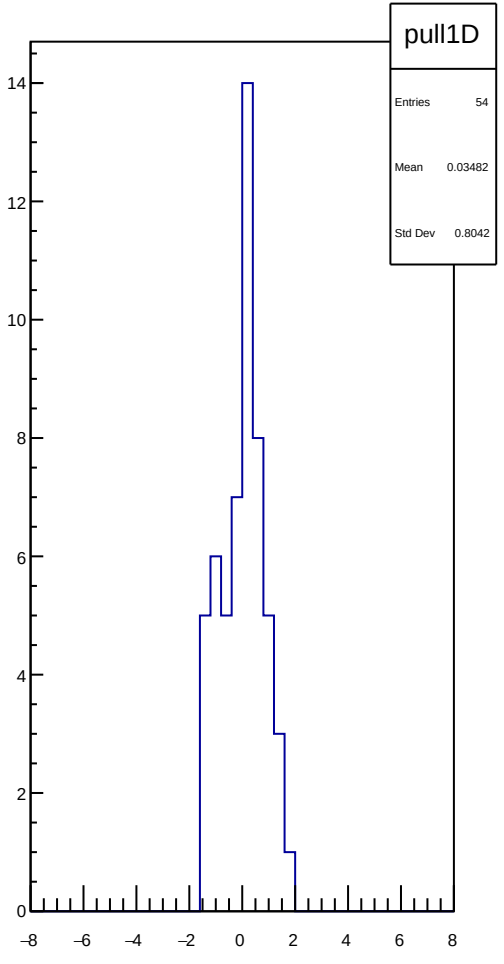

pull1D
Entries 54
Mean 0.6687
Std Dev 2.163

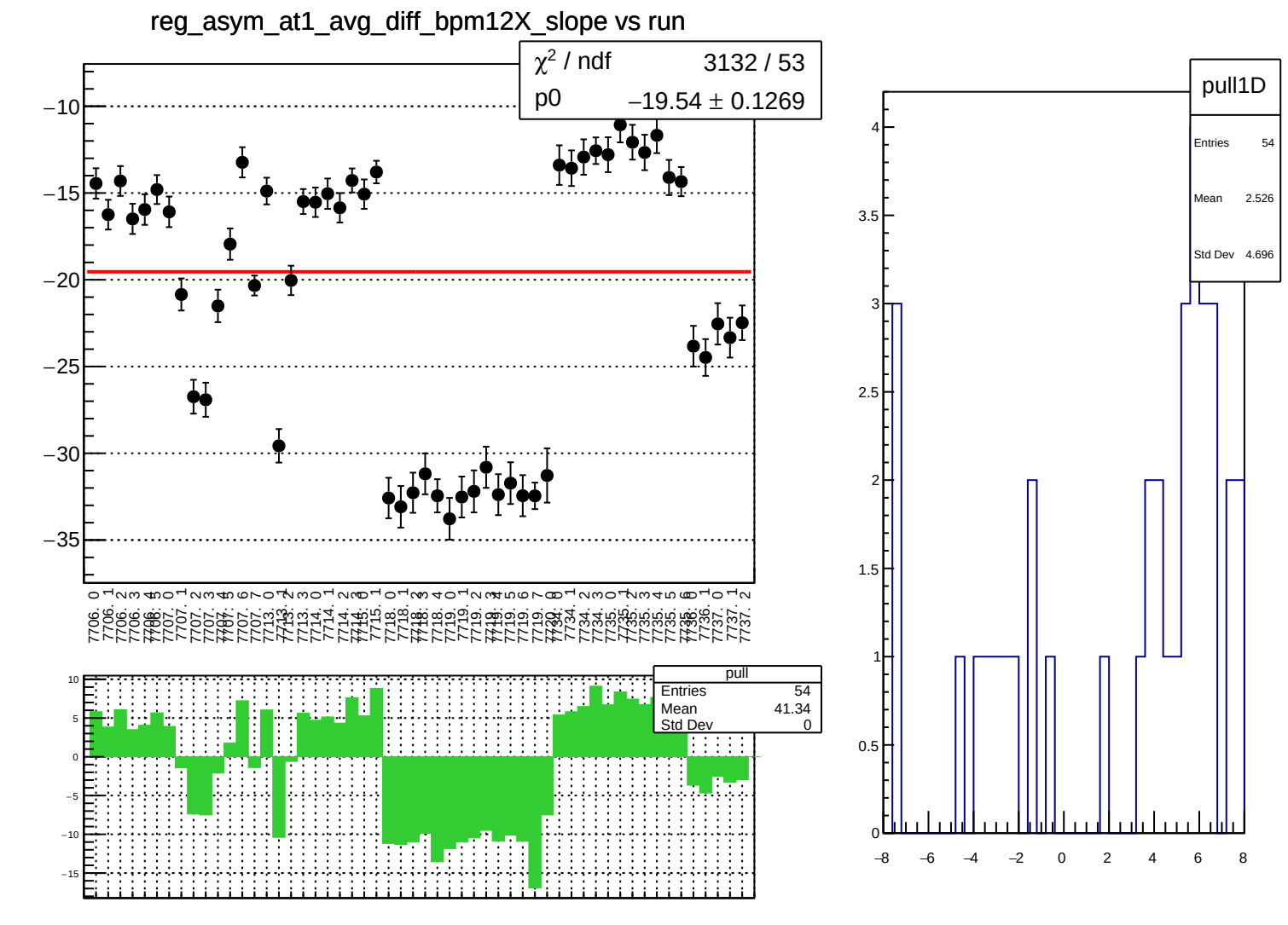

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.8 / 53
p0 4.403 ± 1.921
pull
Entries 54
Mean 10.2
Std Dev 23.88

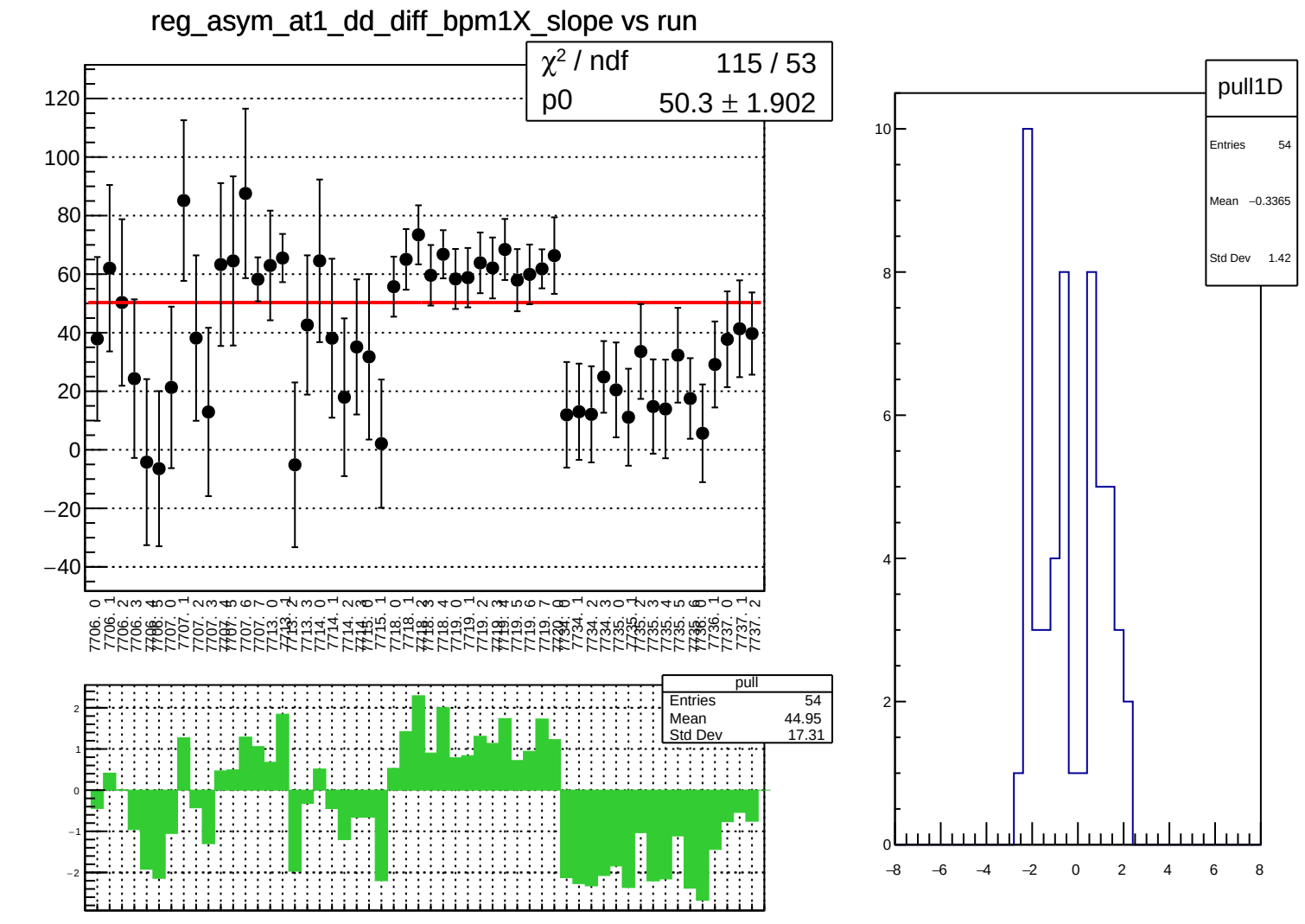

pull1D
Entries 54
Mean −0.06012
Std Dev 0.8233

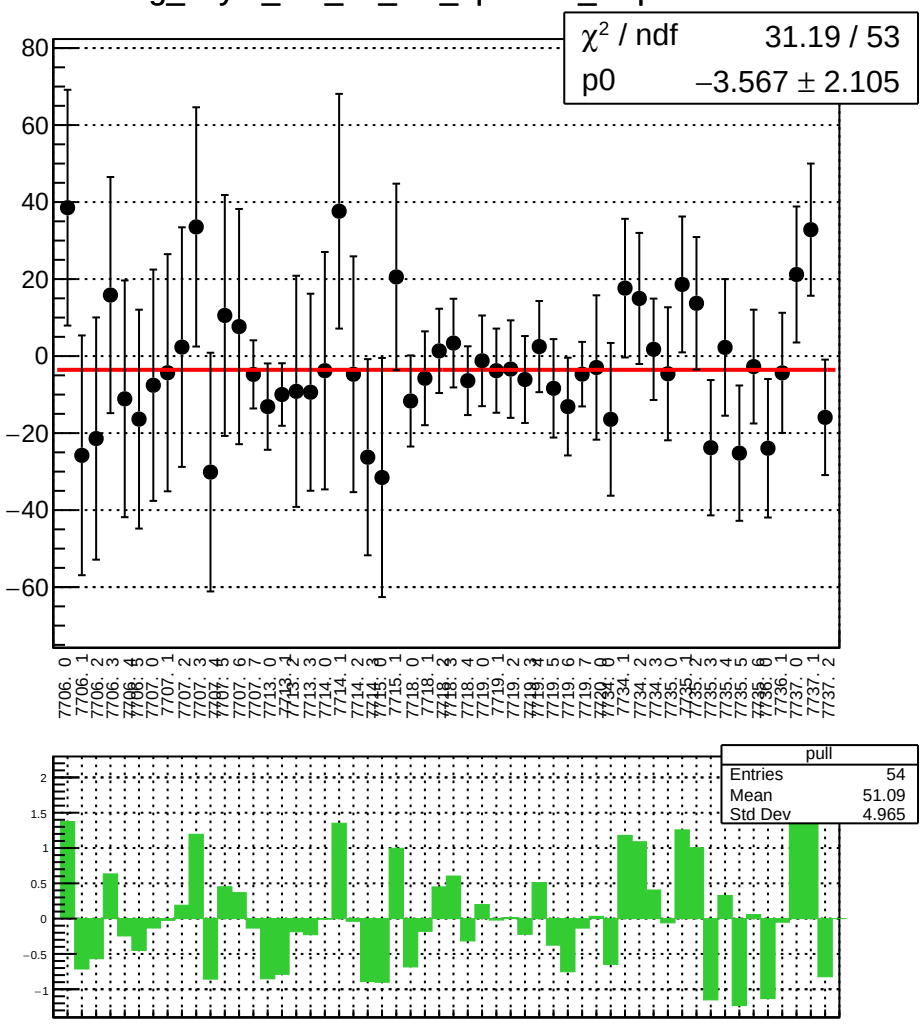

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 307.1 / 53
p0 40.33 ± 1.467
pull
Entries 54
Mean 33.21
Std Dev 21.84
pull1D
Entries 54
Mean −0.9131
Std Dev 2.203

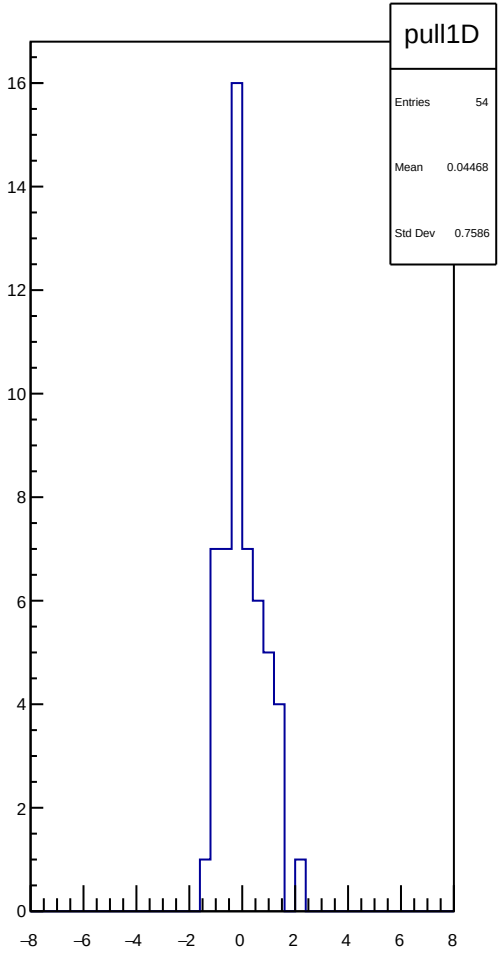

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.99 / 53
p0 −2.548 ± 2.92
pull
Entries 54
Mean 25.19
Std Dev 34.82

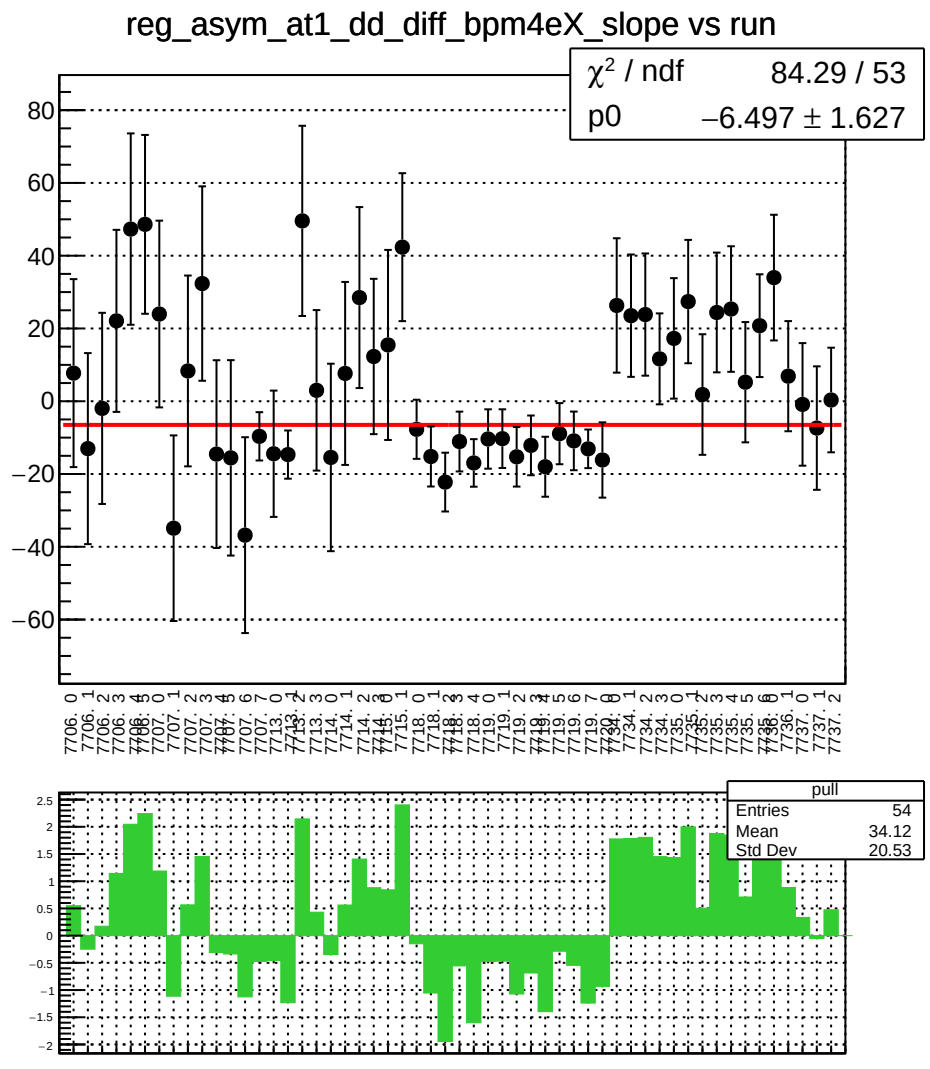

pull1D
Entries 54
Mean 0.03482
Std Dev 0.8042

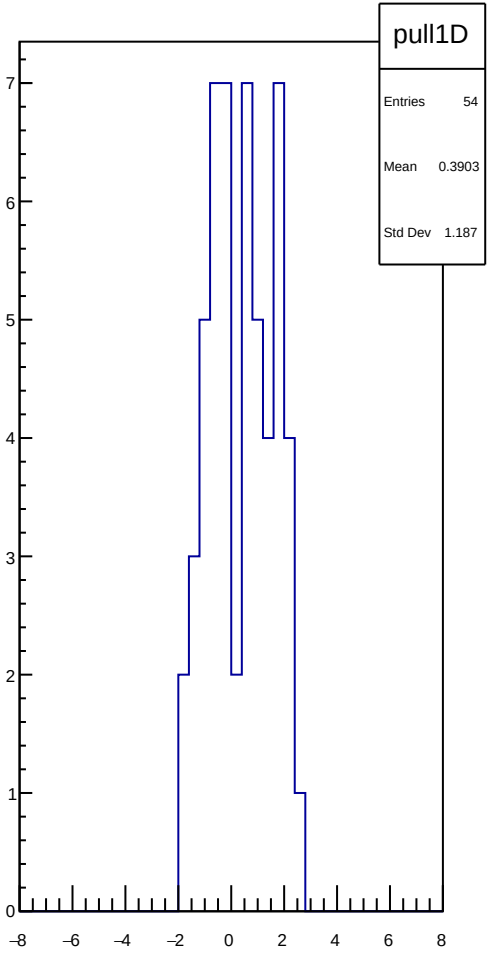

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 3132 / 53
p0 −19.54 ± 0.1269
pull
Entries 54
Mean 41.34
Std Dev 0
pull1D
Entries 54
Mean 2.526
Std Dev 4.696

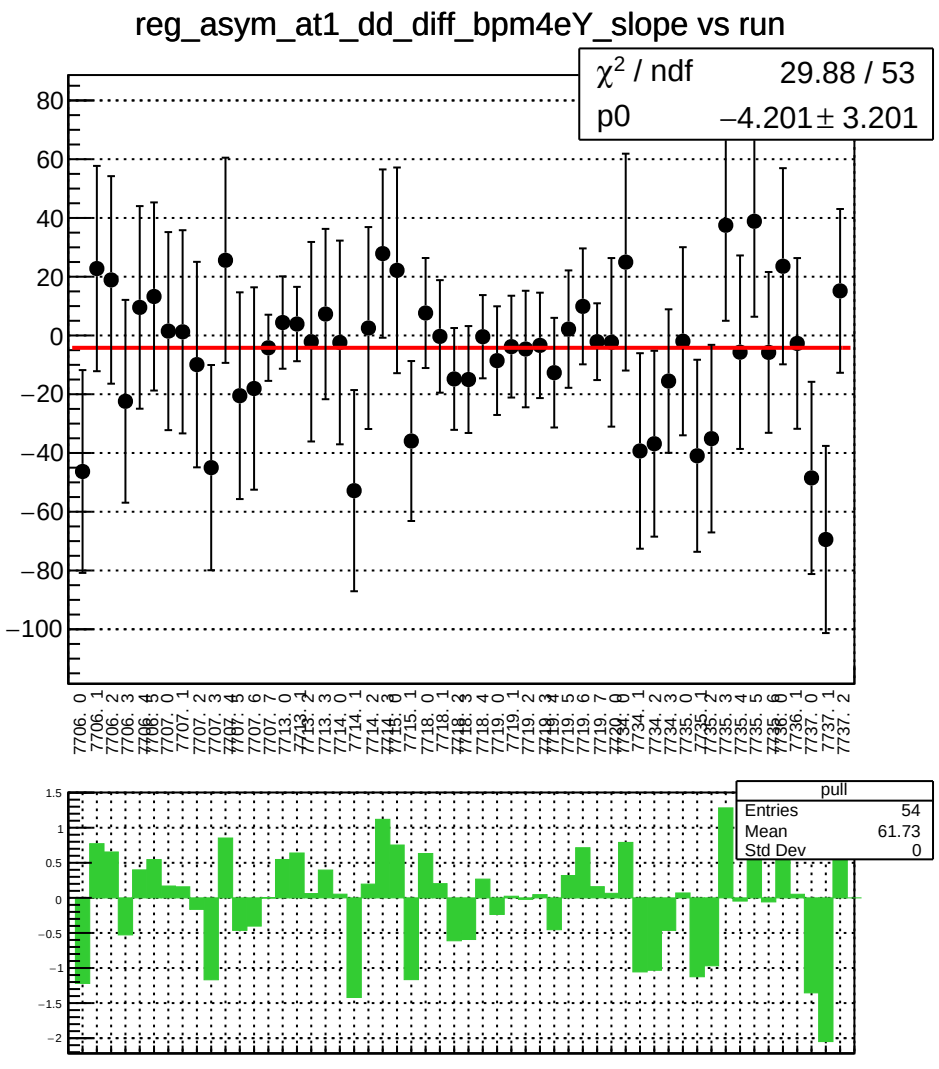

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 115 / 53
p0 50.3 ± 1.902
pull
Entries 54
Mean 44.95
Std Dev 17.31
pull1D
Entries 54
Mean −0.3365
Std Dev 1.42

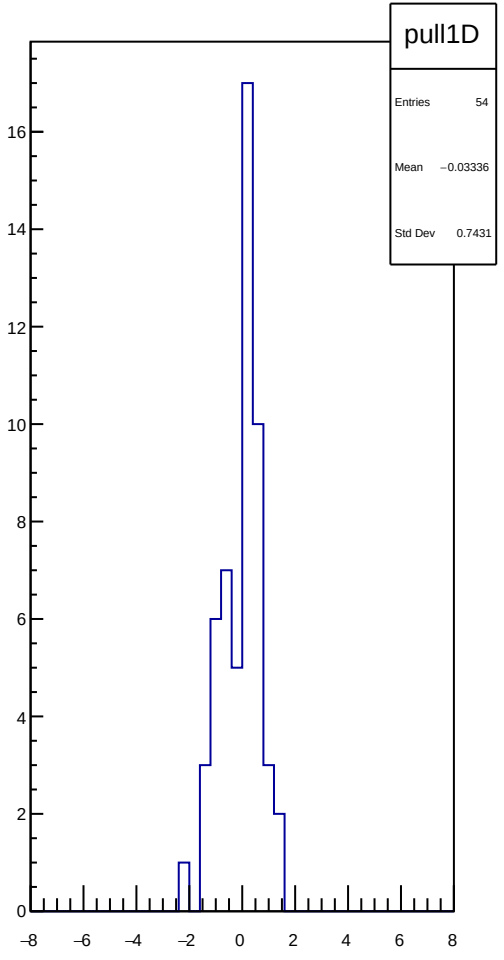

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.19 / 53
p0 −3.567 ± 2.105
pull
Entries 54
Mean 51.09
Std Dev 4.965

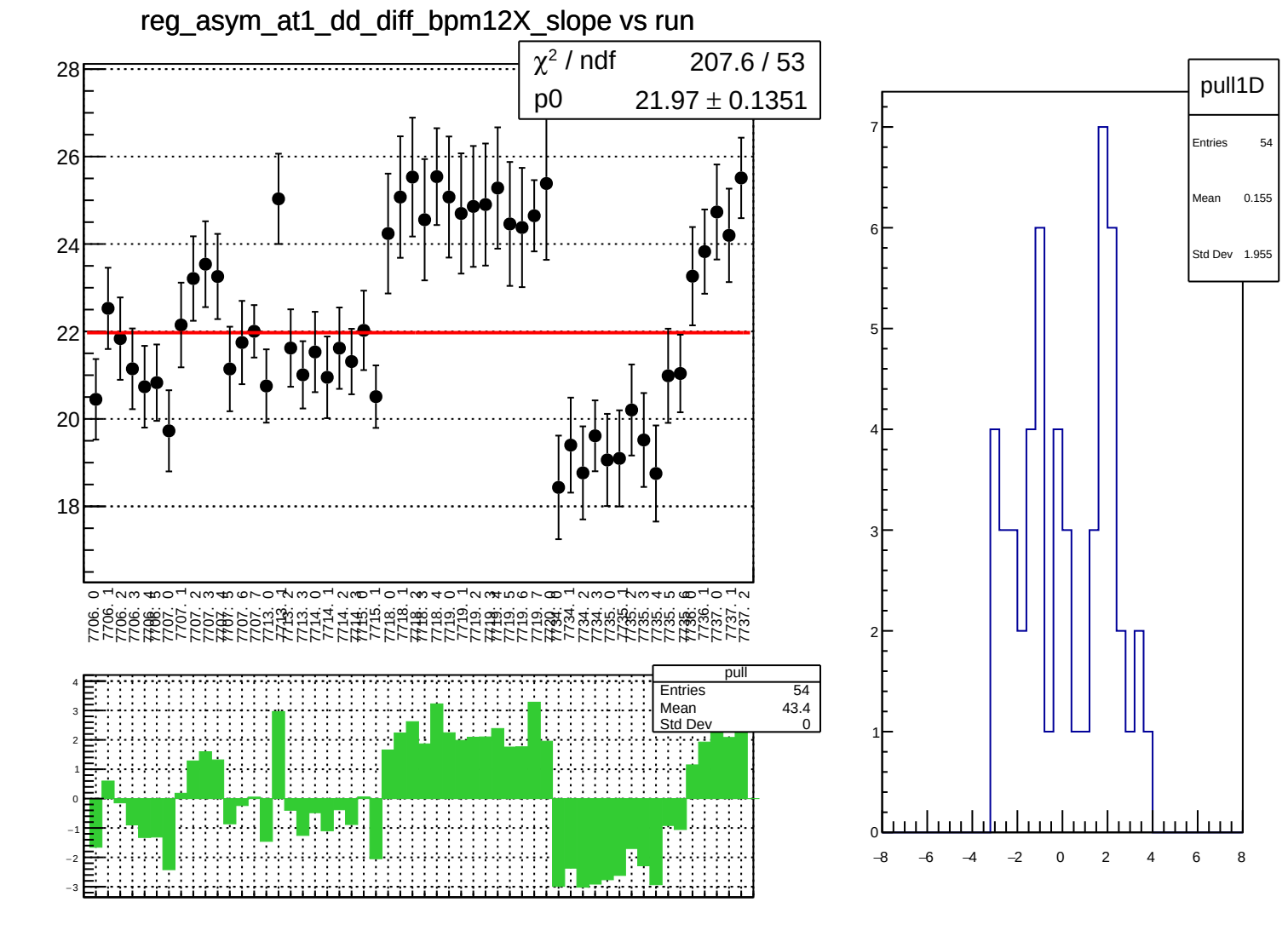

pull1D
Entries 54
Mean 0.04468
Std Dev 0.7586

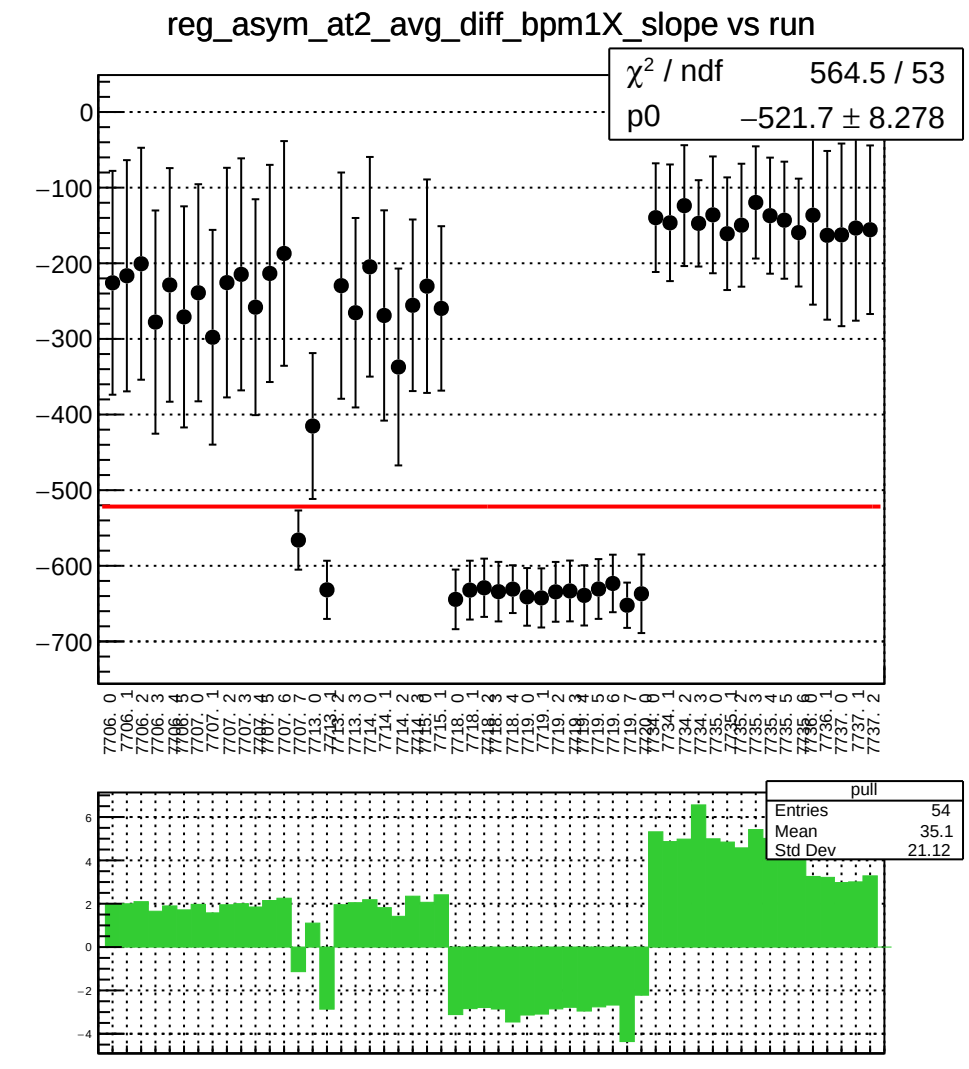

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.29 / 53
p0 −6.497 ± 1.627
pull
Entries 54
Mean 34.12
Std Dev 20.53

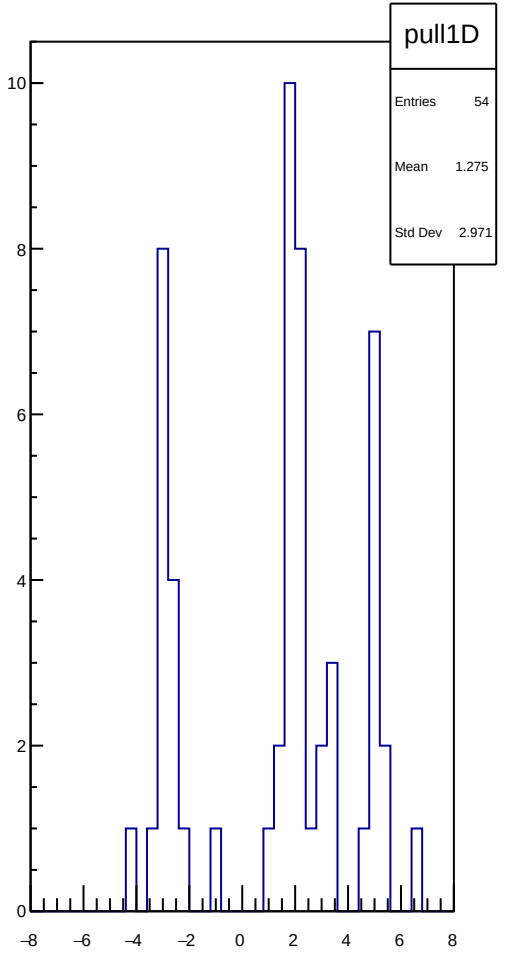

pull1D
Entries 54
Mean 0.3903
Std Dev 1.187

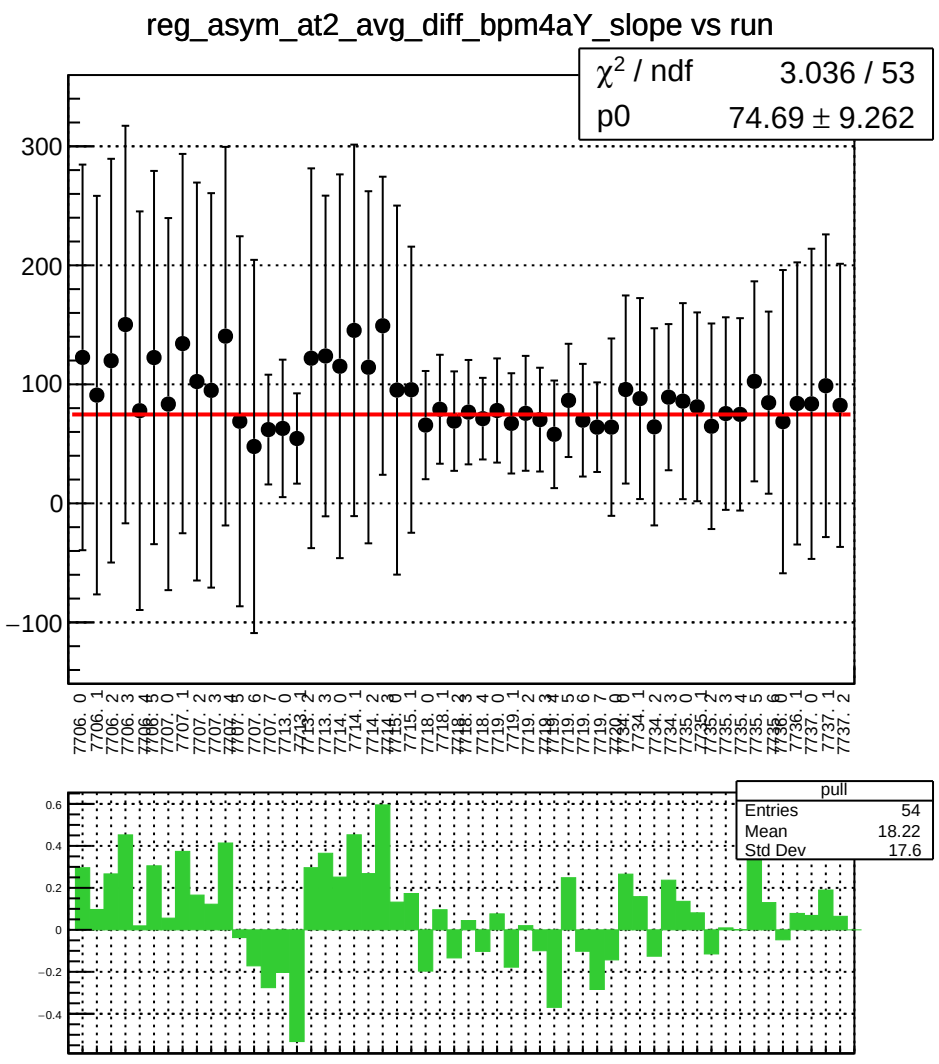

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.88 / 53
p0 −4.201 ± 3.201
pull
Entries 54
Mean 61.73
Std Dev 0

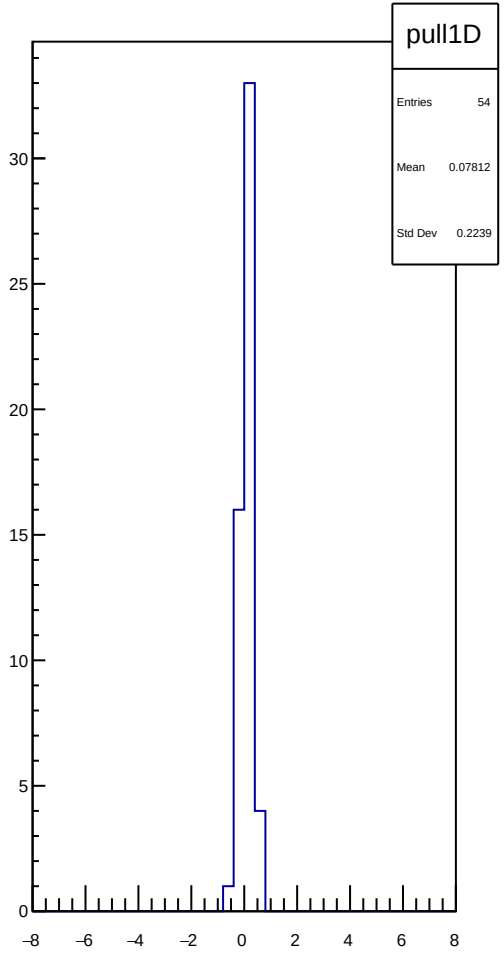

pull1D
Entries 54
Mean −0.03336
Std Dev 0.7431

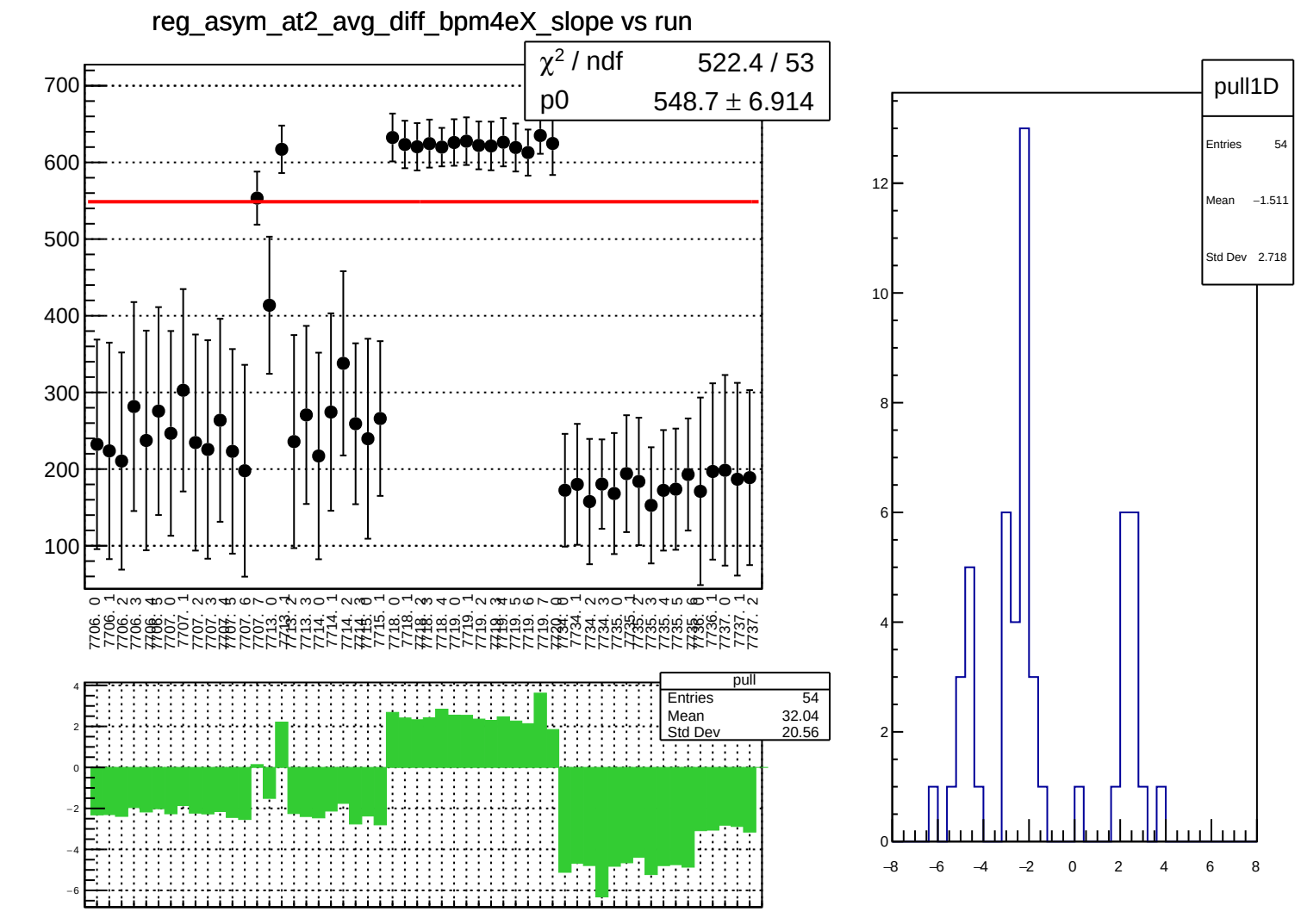

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 207.6 / 53
p0 21.97 ± 0.1351
pull
Entries 54
Mean 43.4
Std Dev 0
pull1D
Entries 54
Mean 0.155
Std Dev 1.955

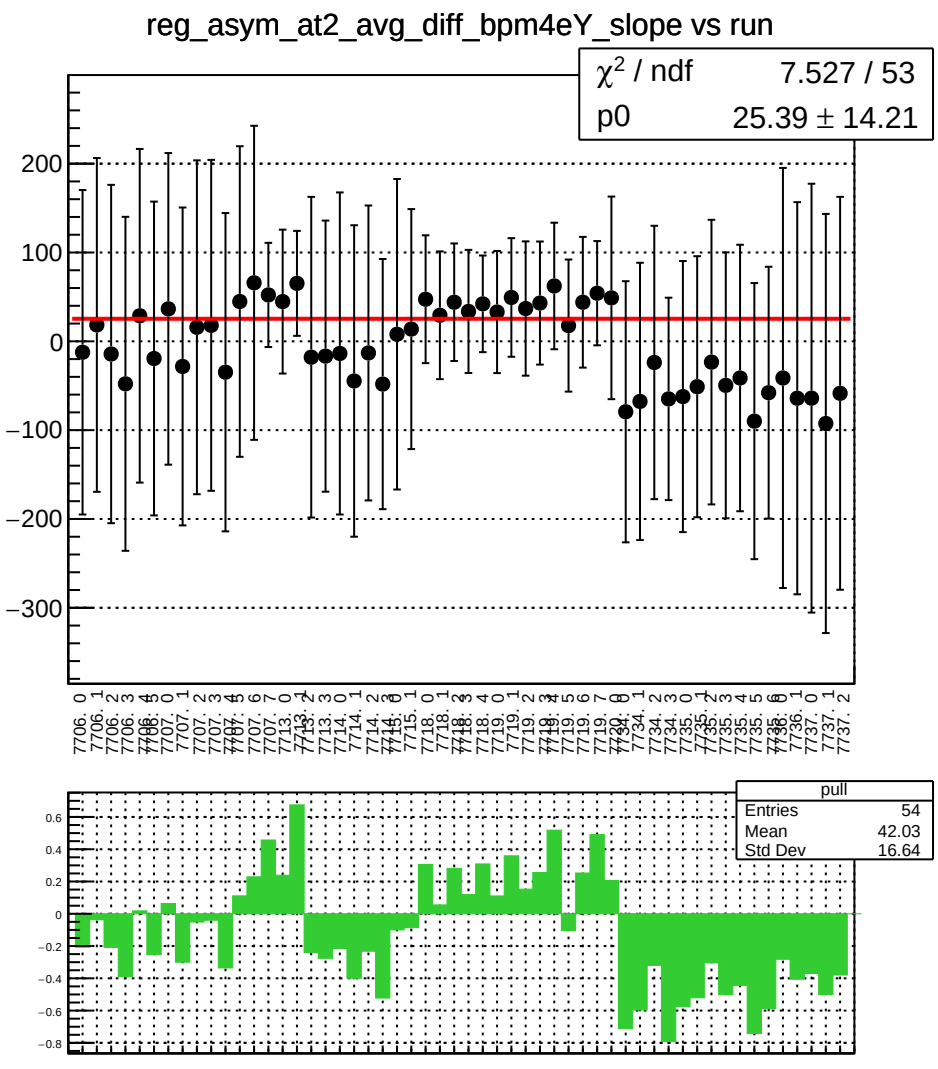

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 564.5 / 53
p0 −521.7 ± 8.278
pull
Entries 54
Mean 35.1
Std Dev 21.12

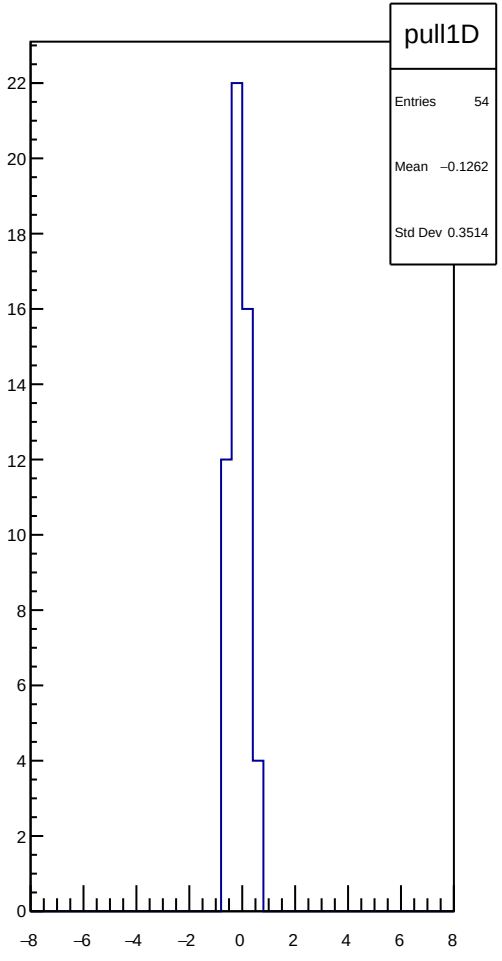

pull1D
Entries 54
Mean 1.275
Std Dev 2.971

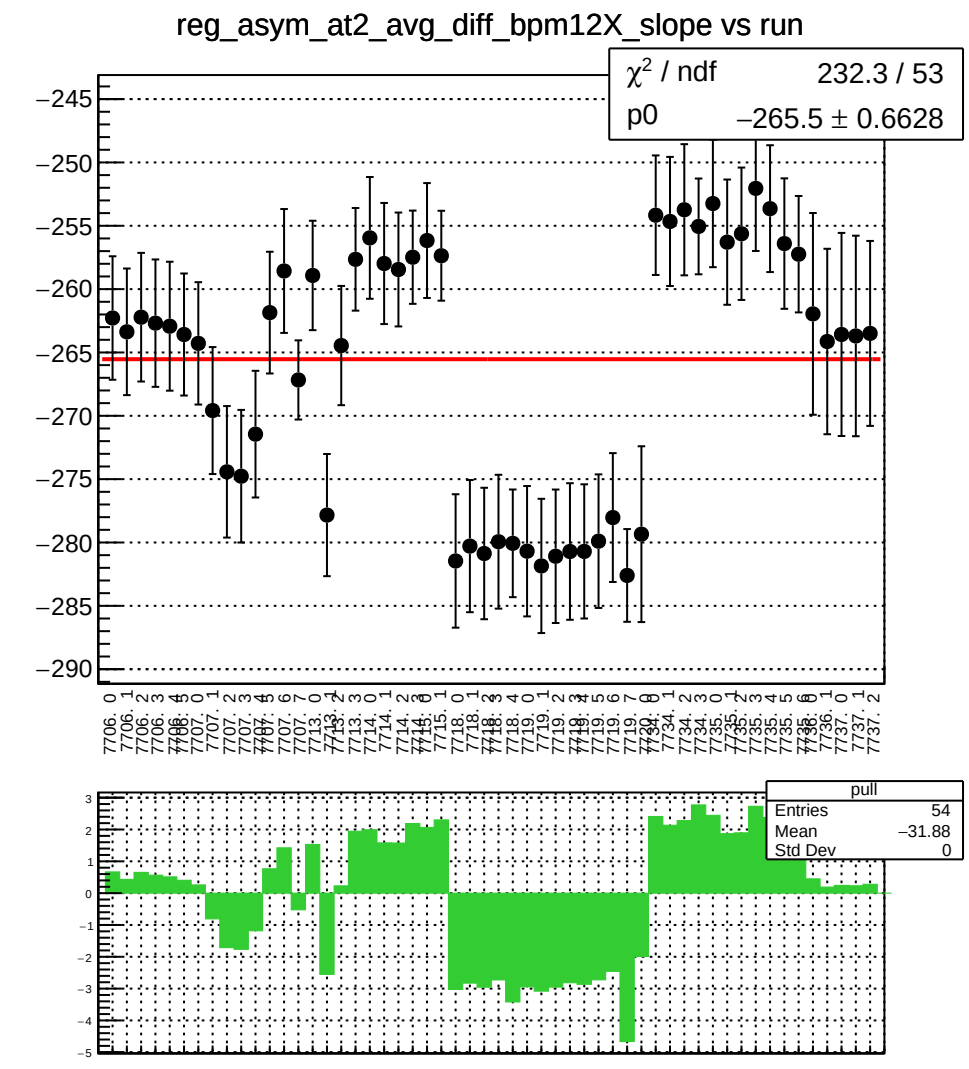

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.036 / 53
p0 74.69 ± 9.262
300
200
100
0
−100
pull
Entries 54
Mean 18.22
Std Dev 17.6
0.6
0.4
0.2
0
−0.2
−0.4

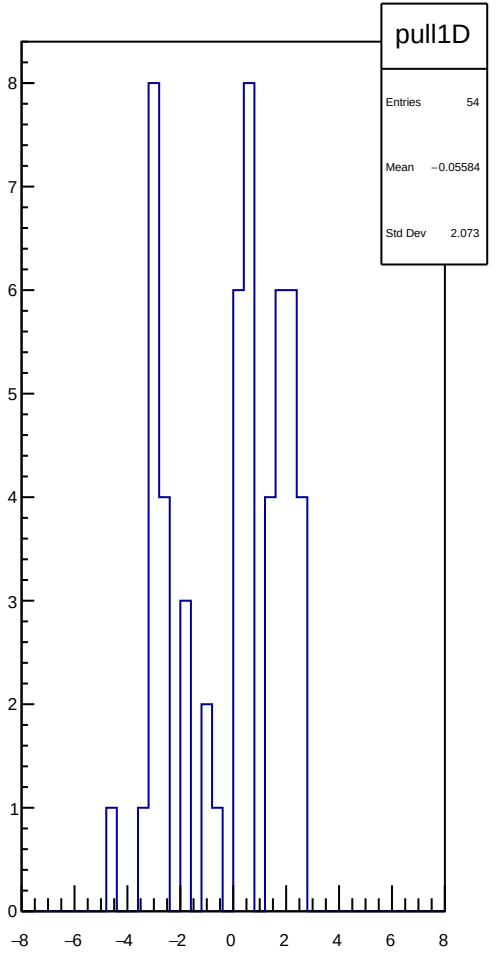

pull1D
Entries 54
Mean 0.07812
Std Dev 0.2239
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

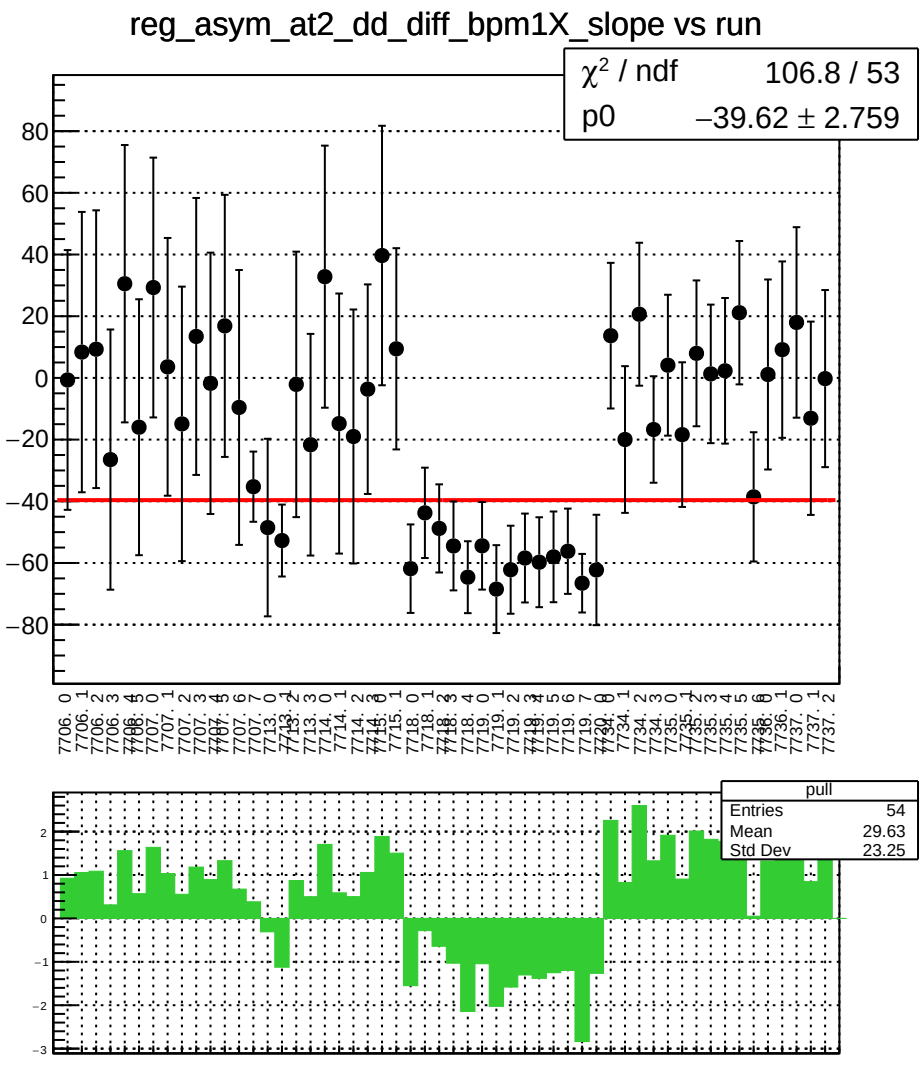

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 522.4 / 53
p0 548.7 ± 6.914
700
600
500
400
300
200
100
pull
Entries 54
Mean 32.04
Std Dev 20.56
4
2
0
−2
−4
−6
pull1D
Entries 54
Mean −1.511
Std Dev 2.718
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

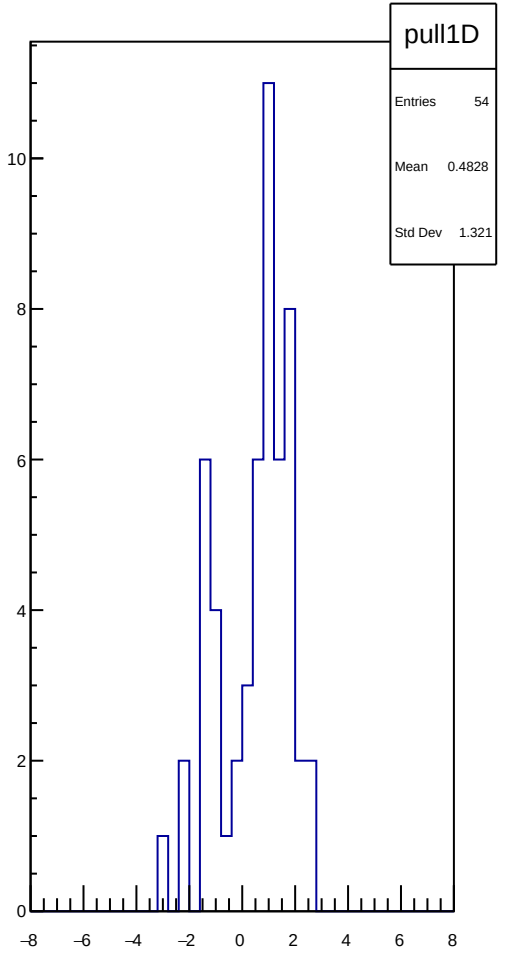

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.527 / 53
p0 25.39 ± 14.21
pull
Entries 54
Mean 42.03
Std Dev 16.64

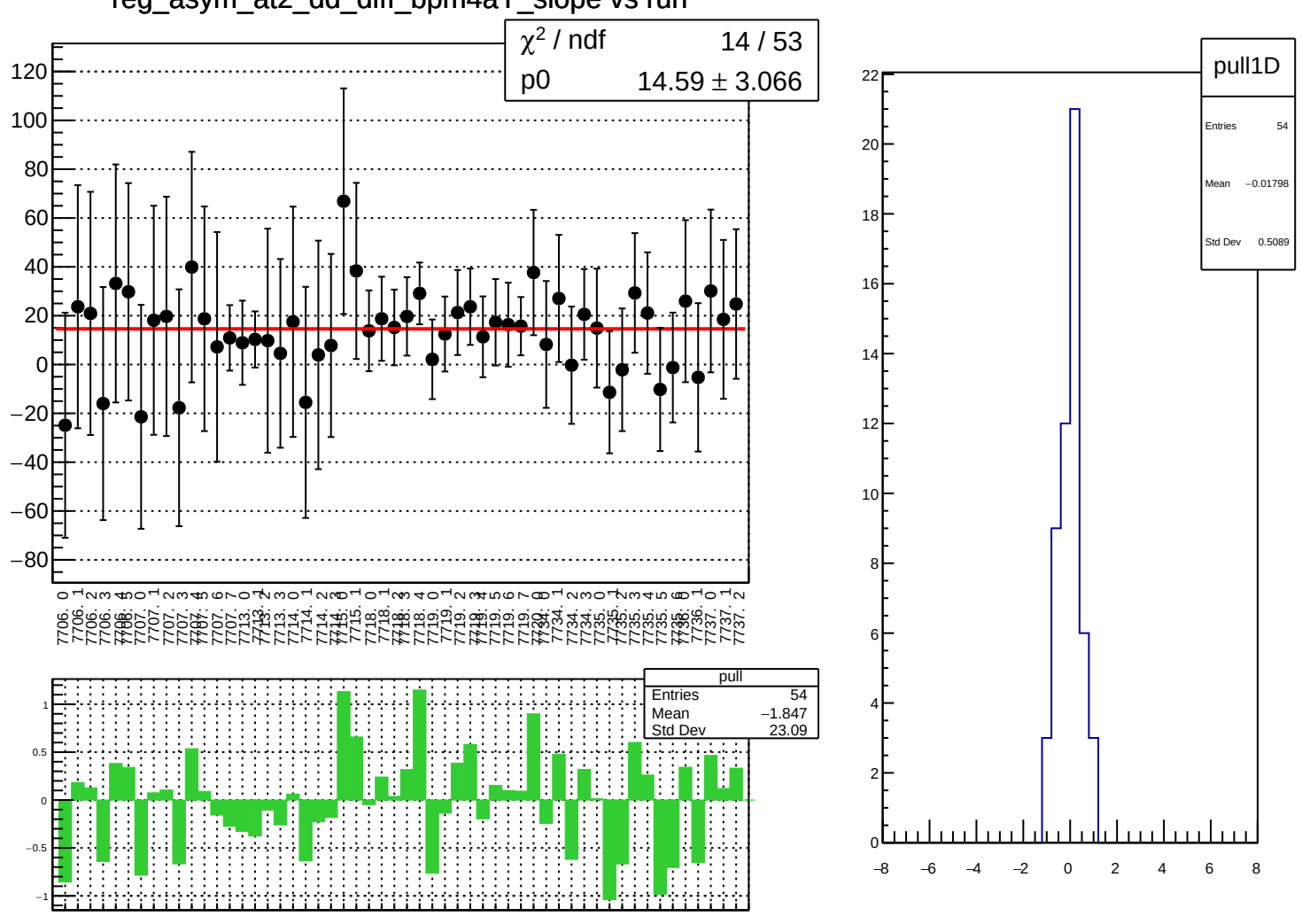

pull1D
Entries 54
Mean −0.1262
Std Dev 0.3514

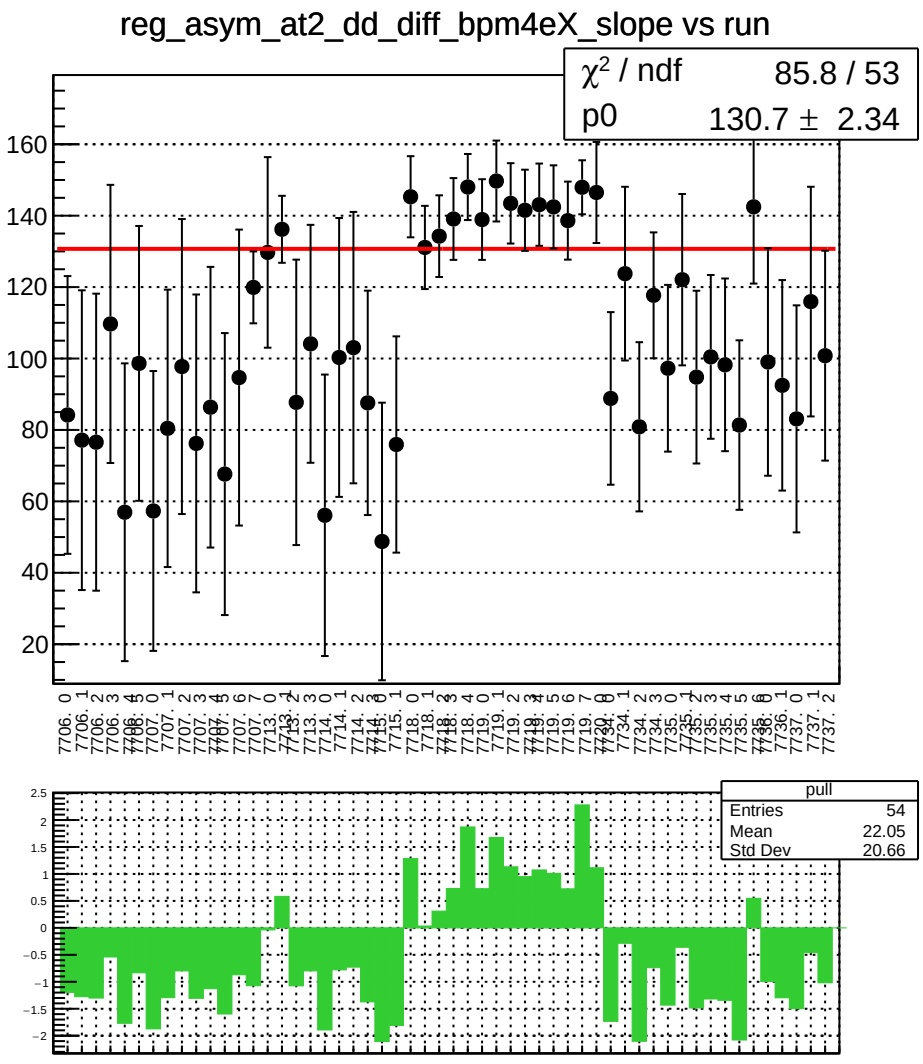

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 232.3 / 53
p0 −265.5 ± 0.6628
pull
Entries 54
Mean −31.88
Std Dev 0

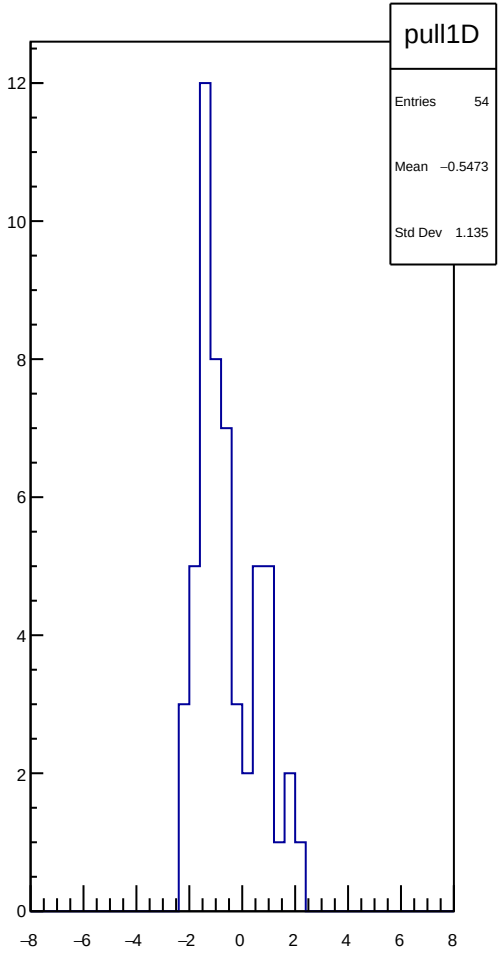

pull1D
Entries 54
Mean −0.05584
Std Dev 2.073

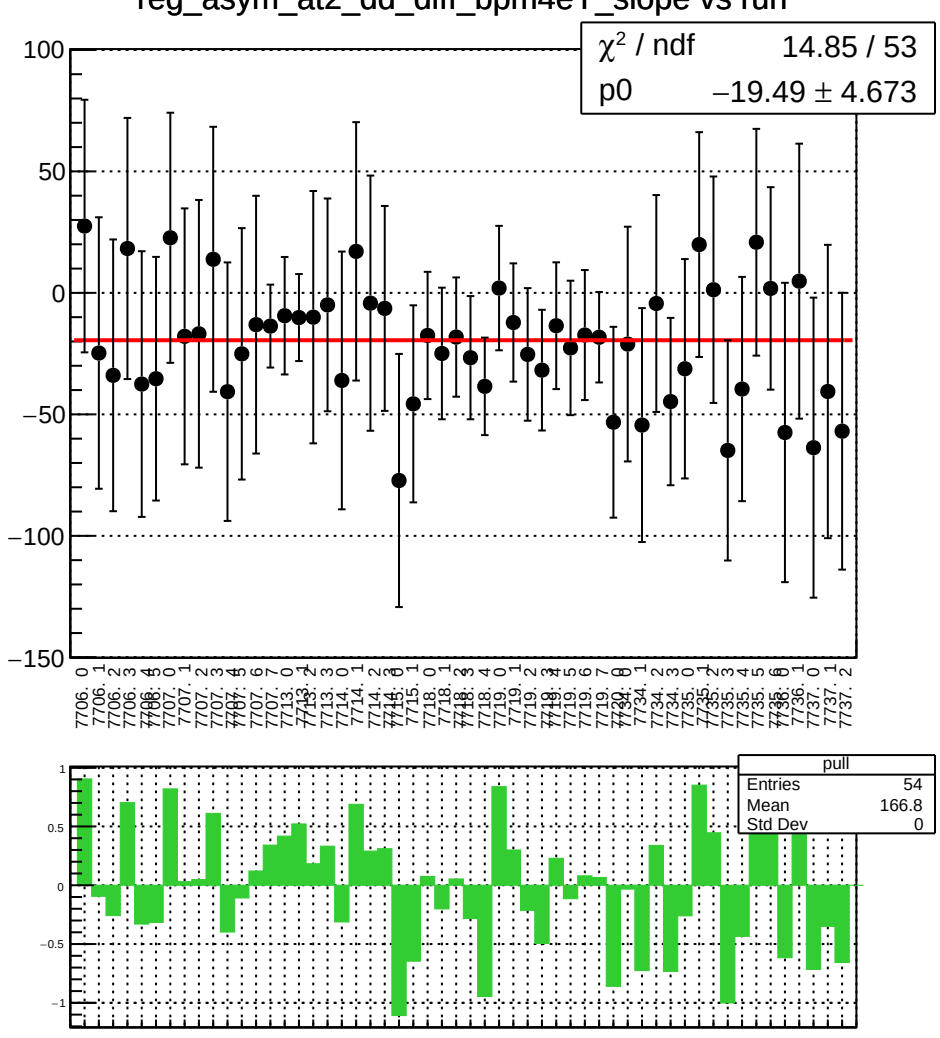

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 106.8 / 53
p0 −39.62 ± 2.759
pull
Entries 54
Mean 29.63
Std Dev 23.25

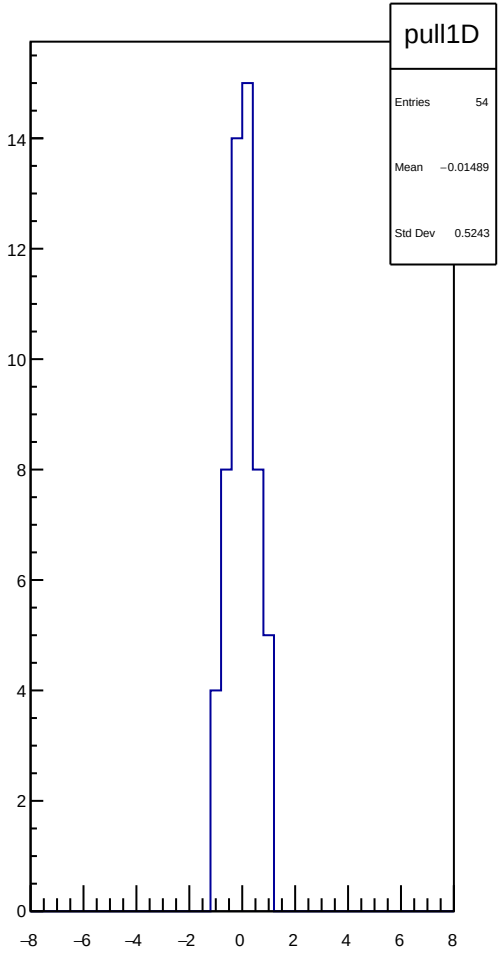

pull1D
Entries 54
Mean 0.4828
Std Dev 1.321

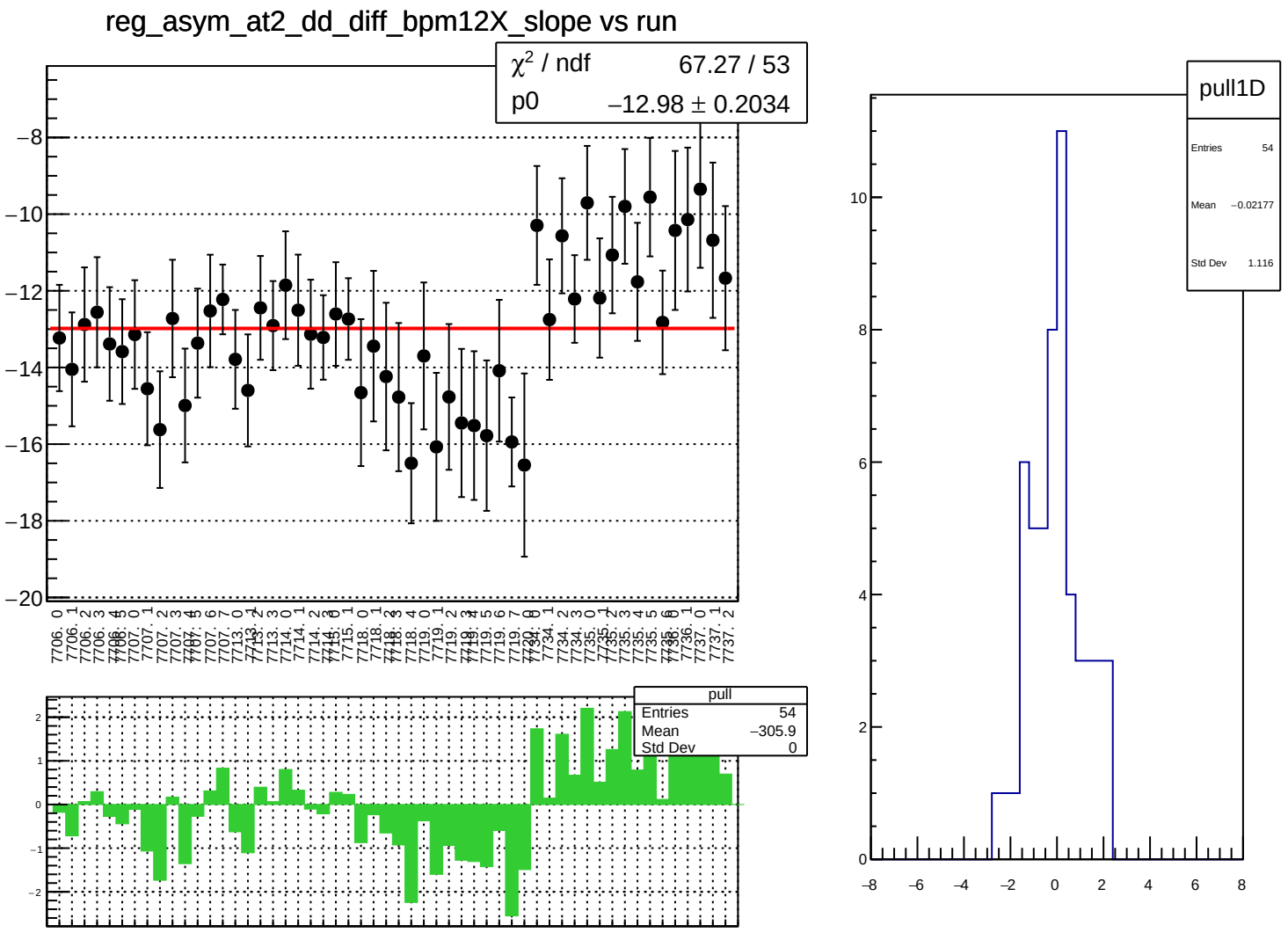

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14 / 53
p0 14.59 ± 3.066
pull
Entries 54
Mean −1.847
Std Dev 23.09
pull1D
Entries 54
Mean −0.01798
Std Dev 0.5089

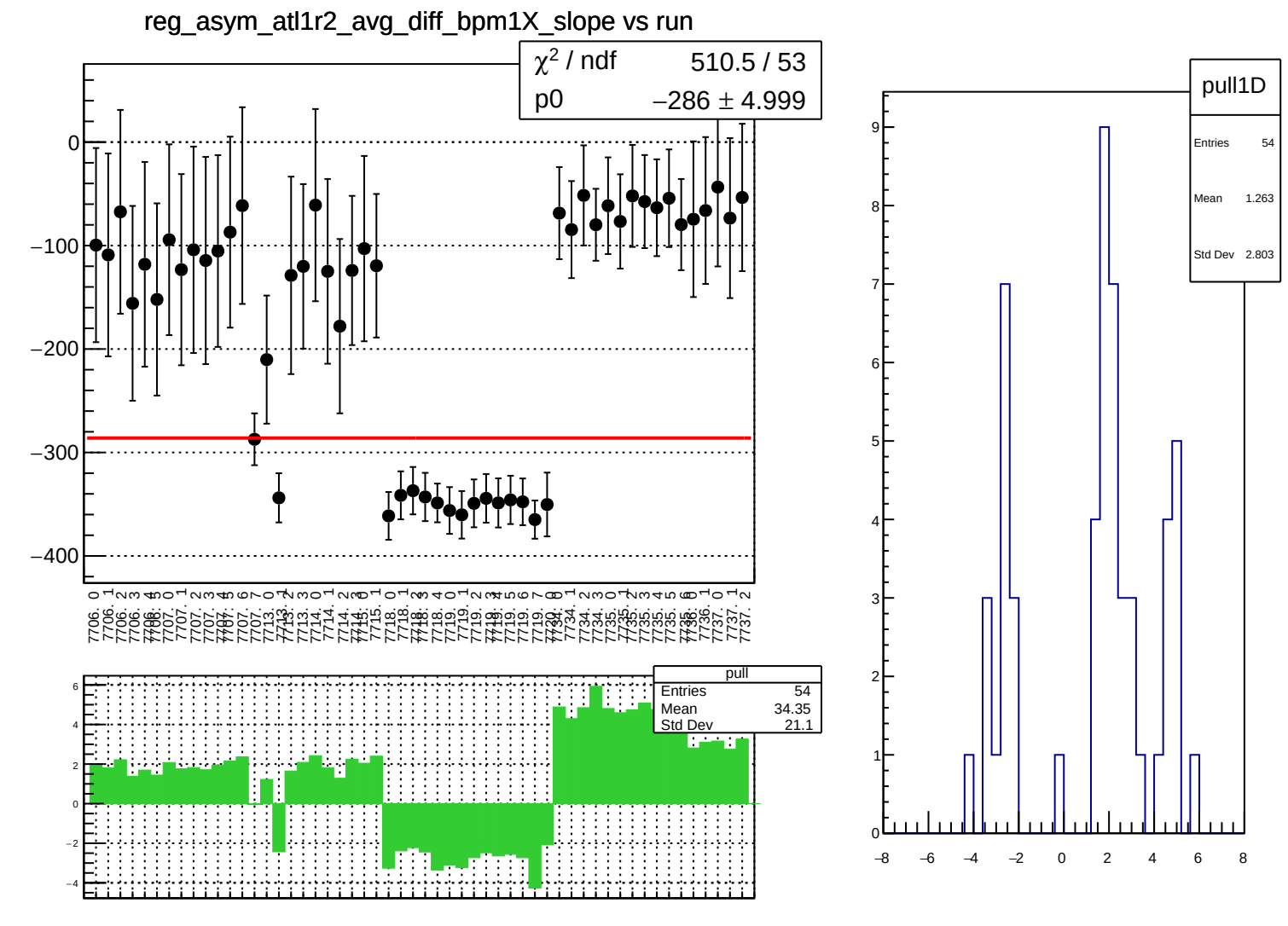

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.8 / 53
p0 130.7 ± 2.34
pull
Entries 54
Mean 22.05
Std Dev 20.66

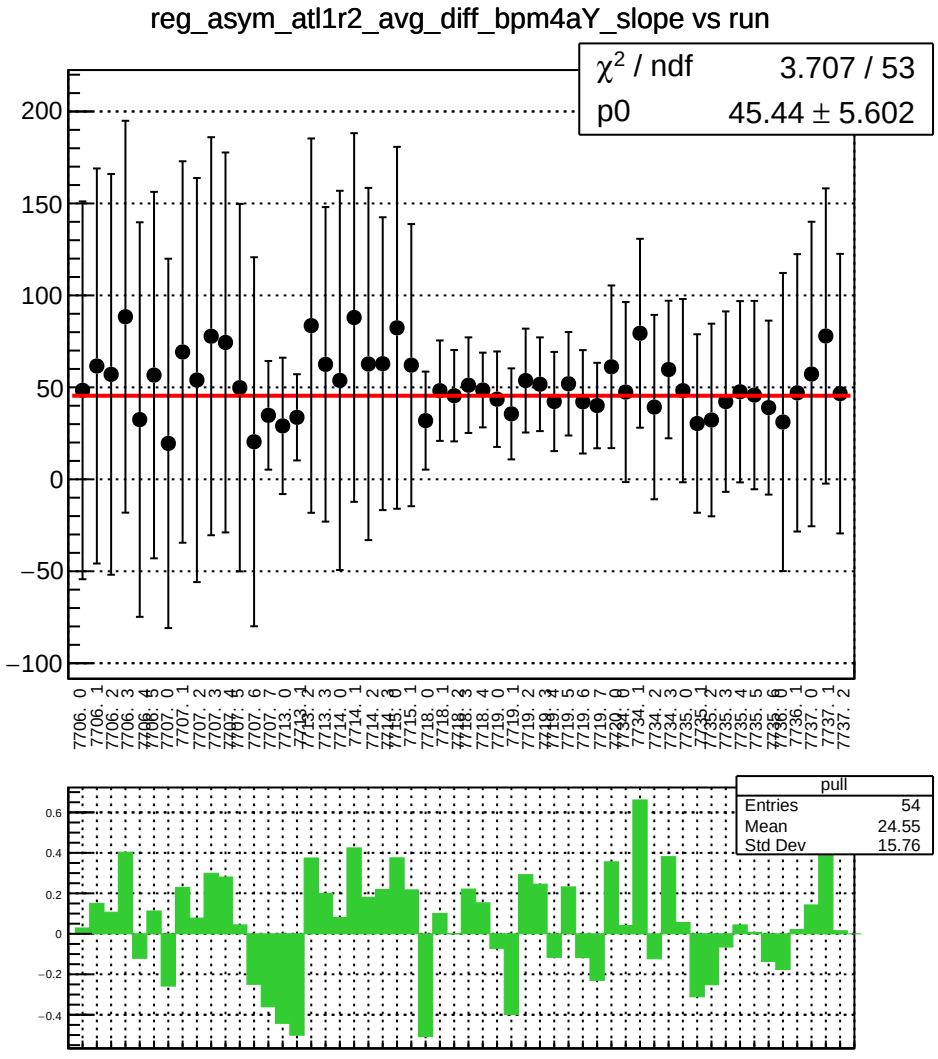

pull1D
Entries 54
Mean −0.5473
Std Dev 1.135

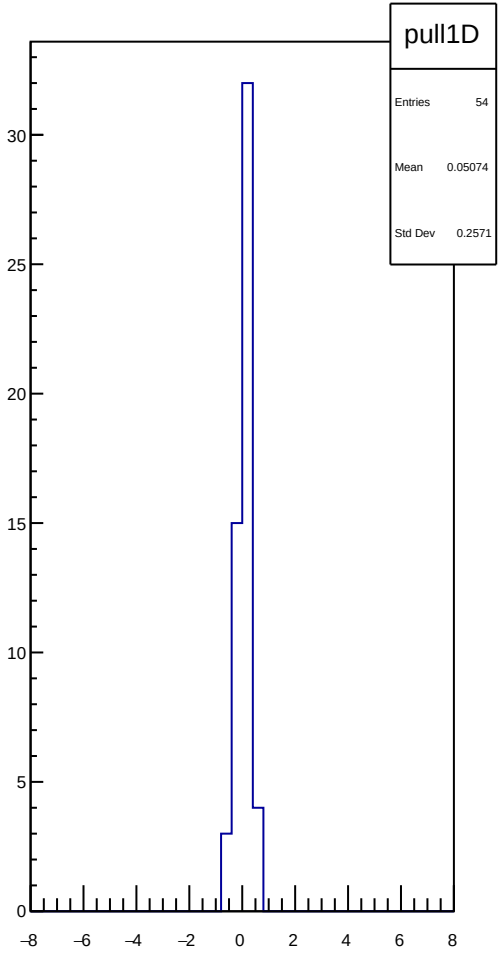

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.85 / 53
p0 −19.49 ± 4.673
pull
Entries 54
Mean 166.8
Std Dev 0

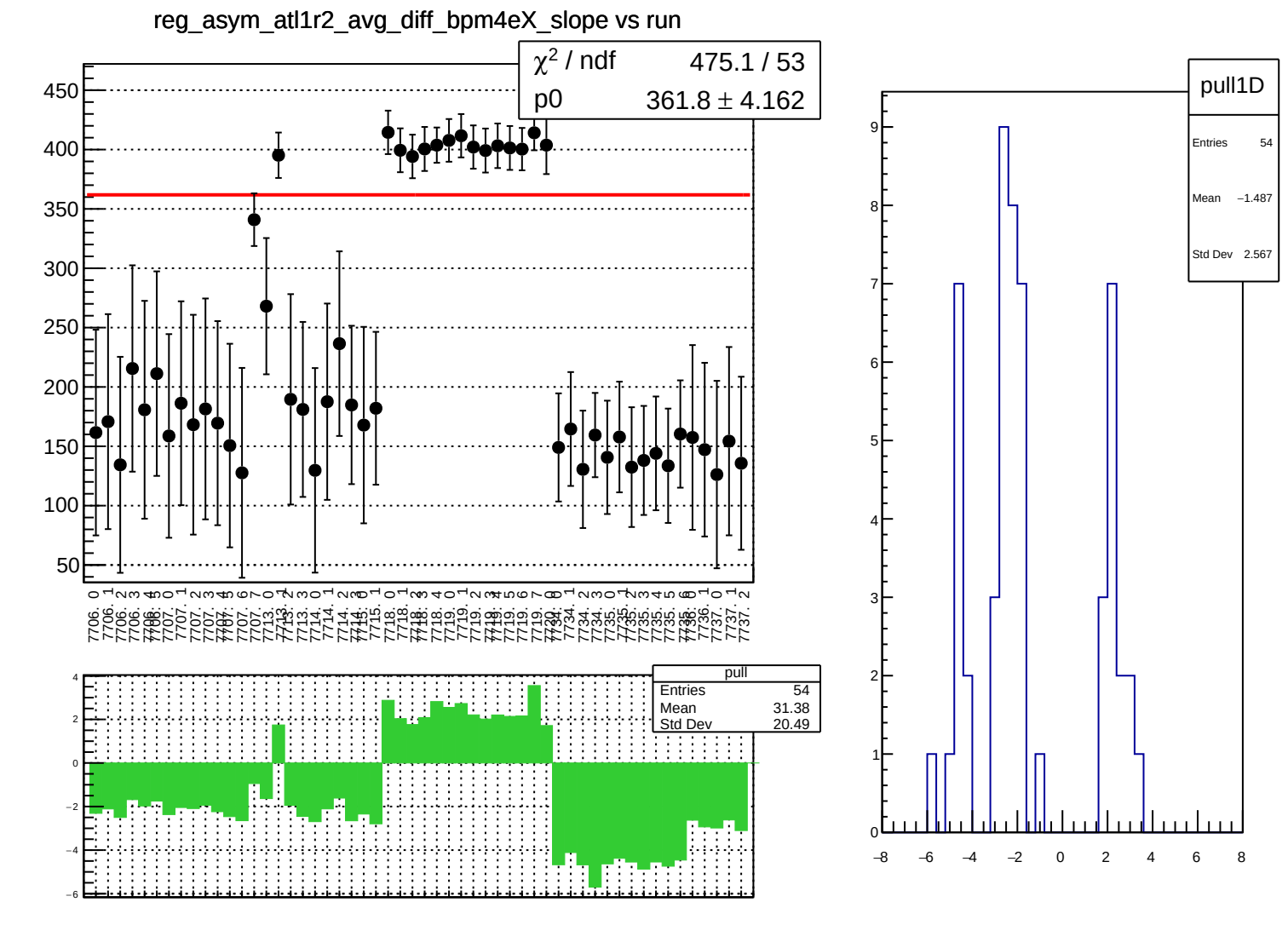

pull1D
Entries 54
Mean −0.01489
Std Dev 0.5243

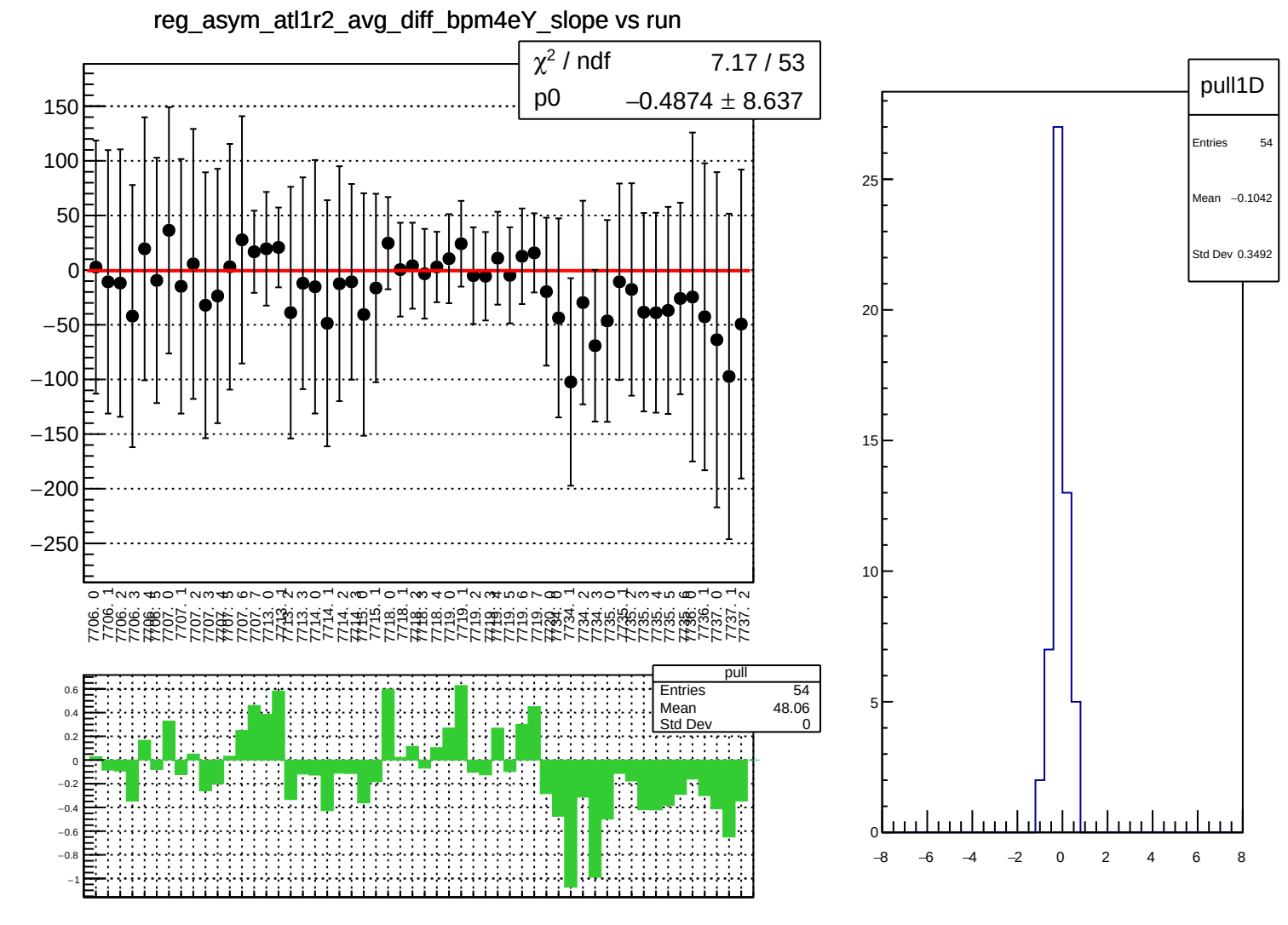

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 67.27 / 53
p0 −12.98 ± 0.2034
pull
Entries 54
Mean −305.9
Std Dev 0
pull1D
Entries 54
Mean −0.02177
Std Dev 1.116

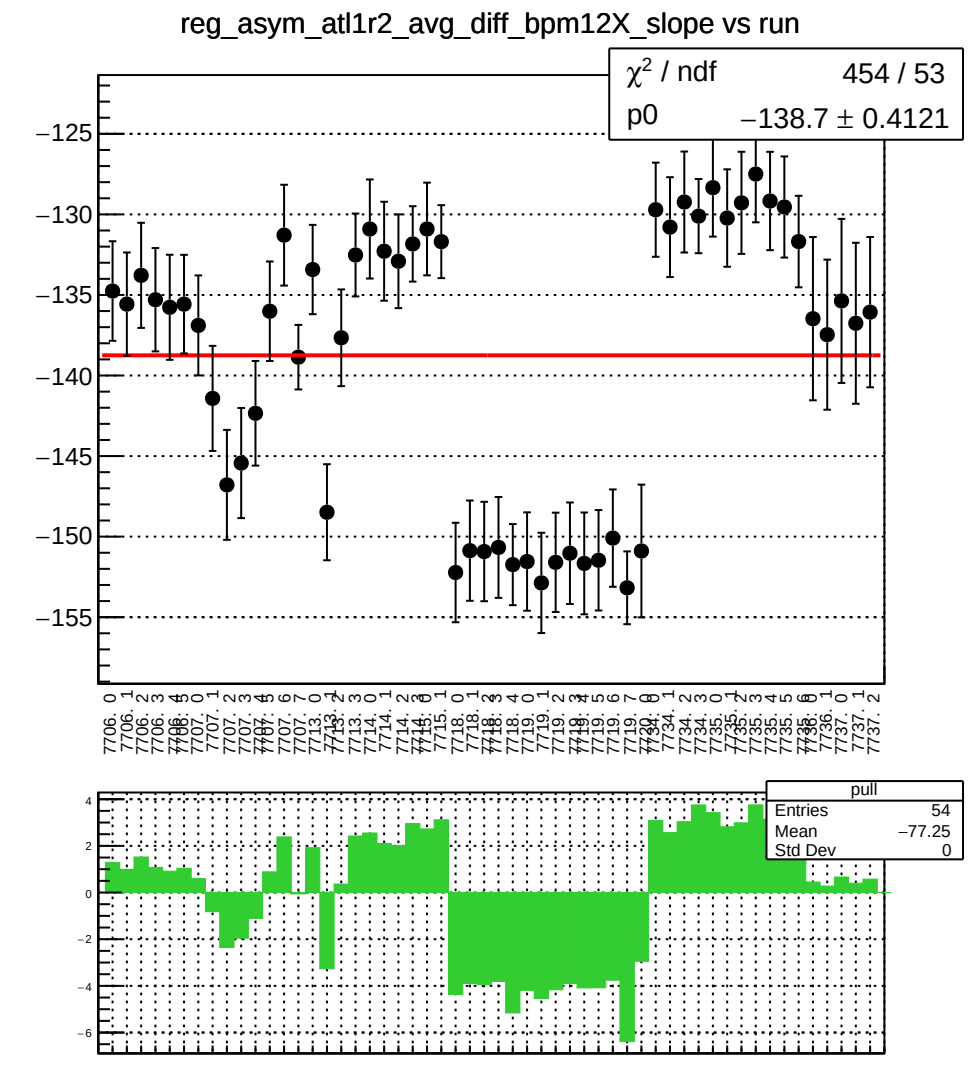

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 510.5 / 53
p0 −286 ± 4.999
pull
Entries 54
Mean 34.35
Std Dev 21.1
pull1D
Entries 54
Mean 1.263
Std Dev 2.803

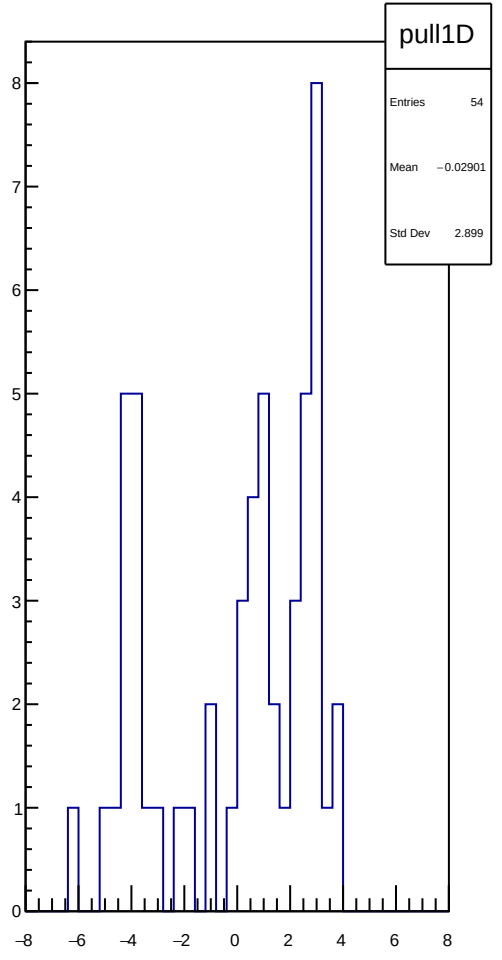

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.707 / 53
p0 45.44 ± 5.602
pull
Entries 54
Mean 24.55
Std Dev 15.76

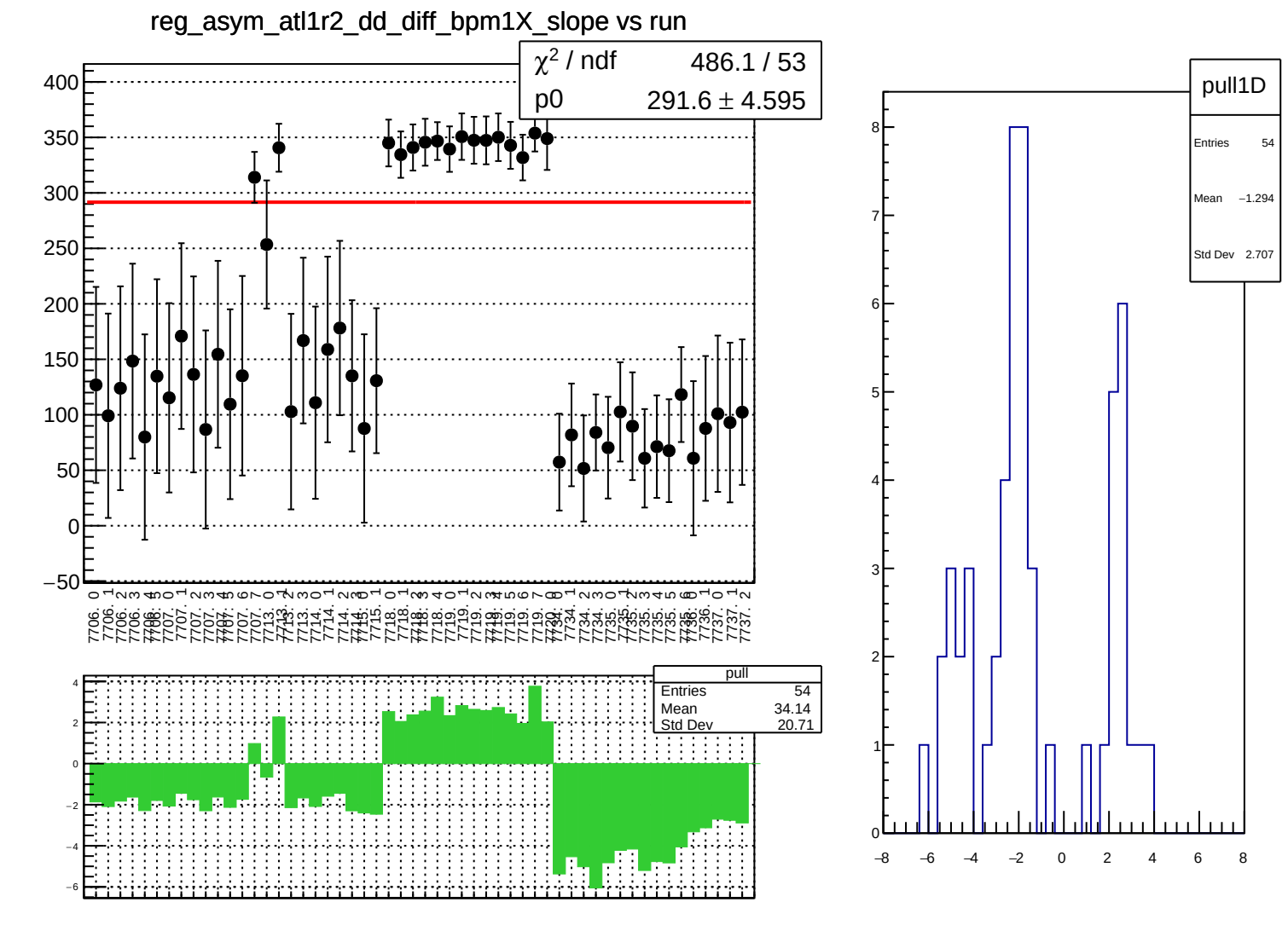

pull1D
Entries 54
Mean 0.05074
Std Dev 0.2571

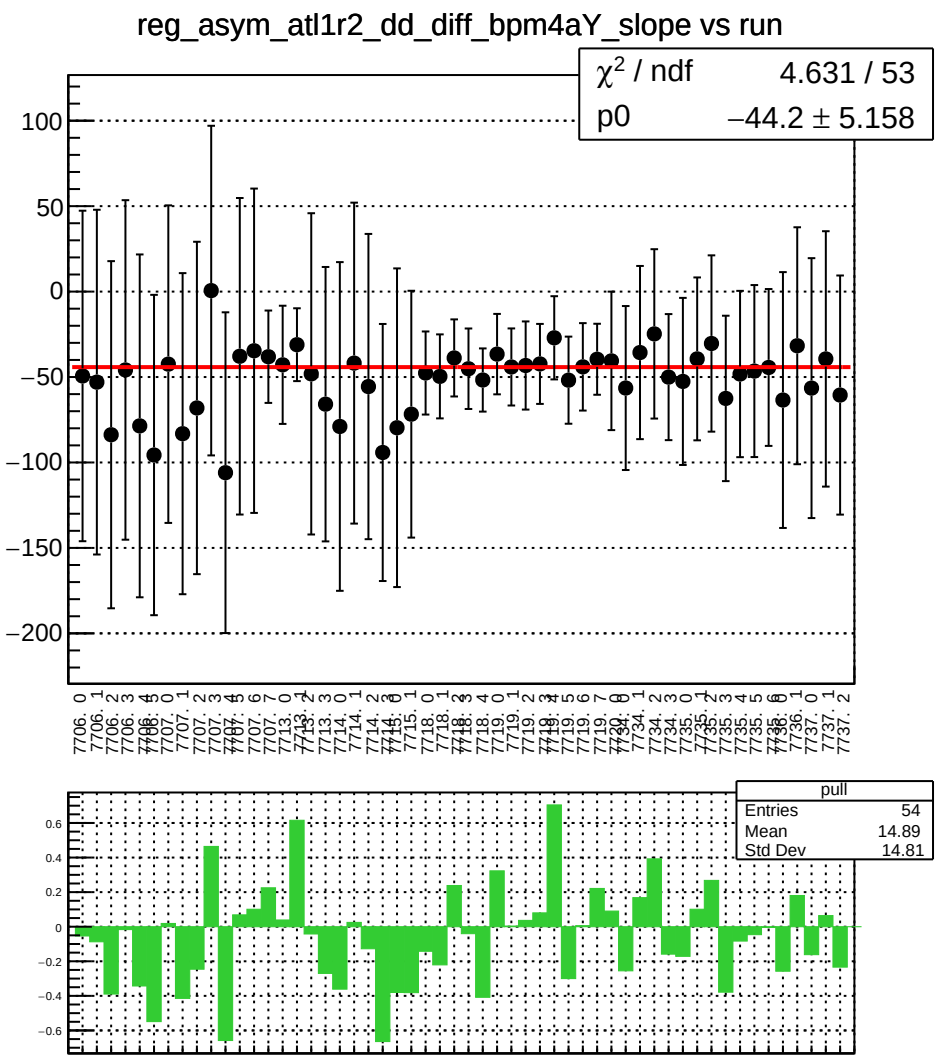

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 475.1 / 53
p0 361.8 ± 4.162
pull
Entries 54
Mean 31.38
Std Dev 20.49
pull1D
Entries 54
Mean −1.487
Std Dev 2.567

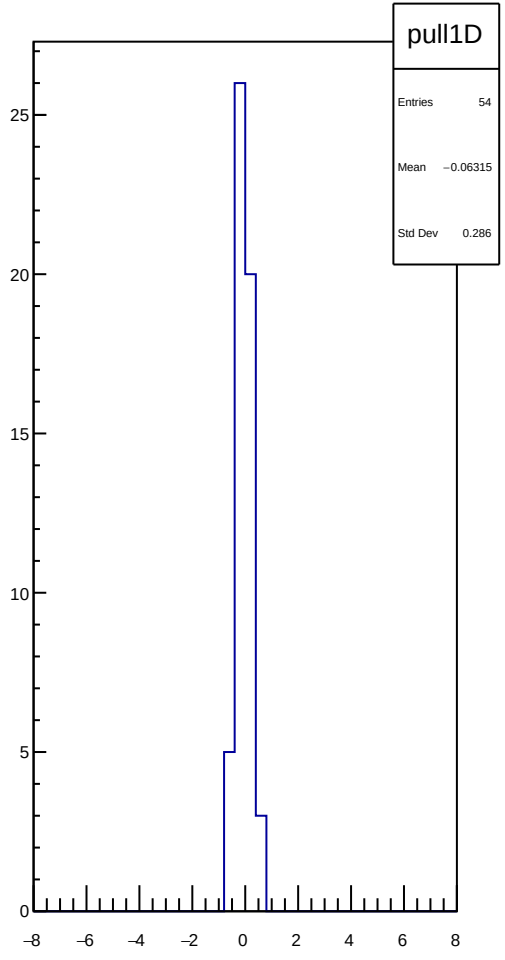

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.17 / 53
p0 −0.4874 ± 8.637
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean 48.06
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 54
Mean −0.1042
Std Dev 0.3492
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

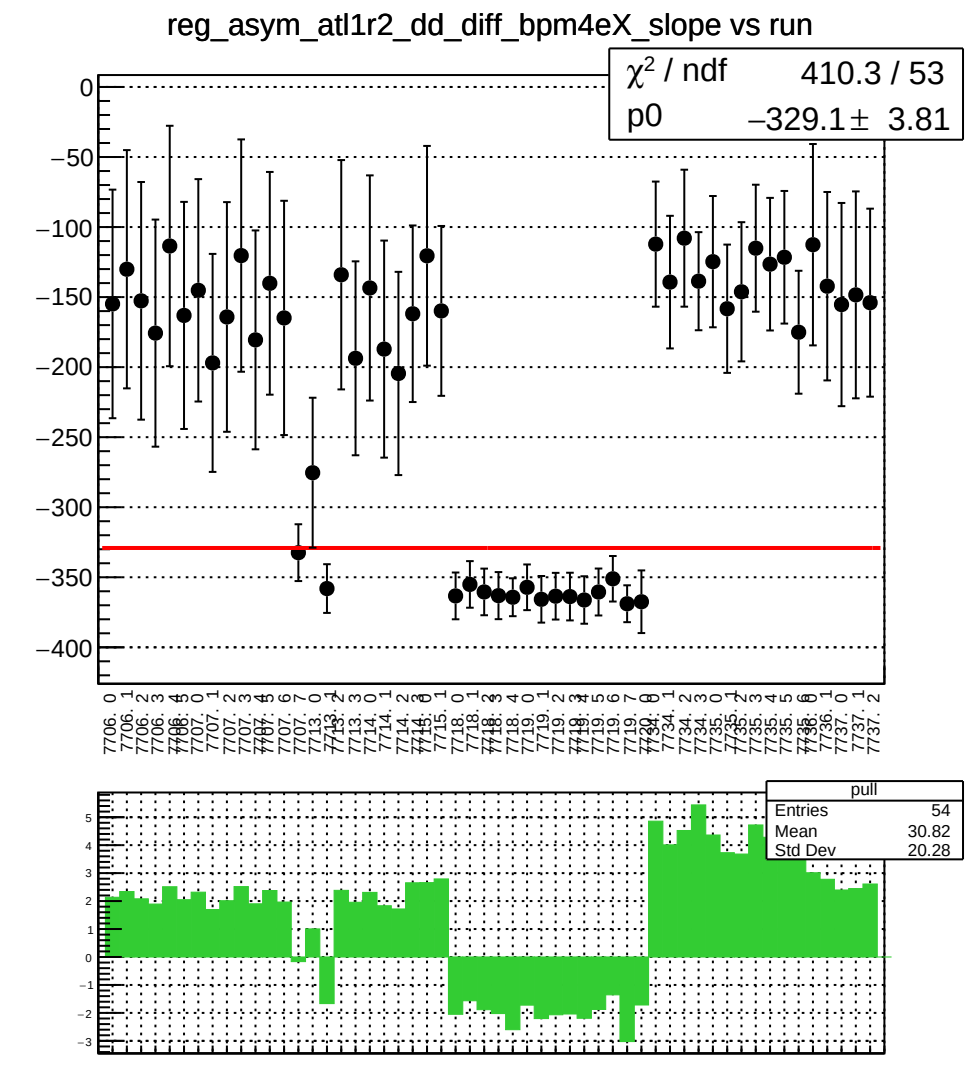

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 454 / 53
p0 −138.7 ± 0.4121
pull
Entries 54
Mean −77.25
Std Dev 0

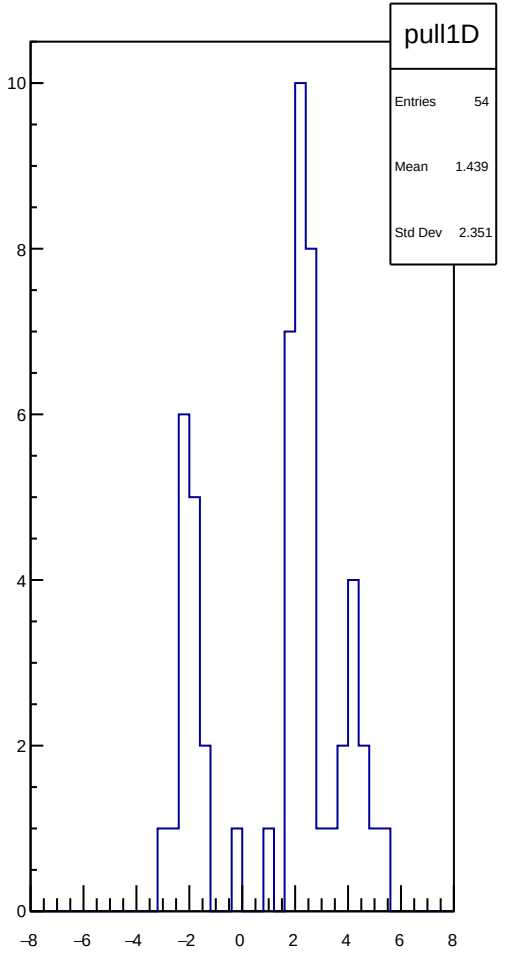

pull1D
Entries 54
Mean −0.02901
Std Dev 2.899

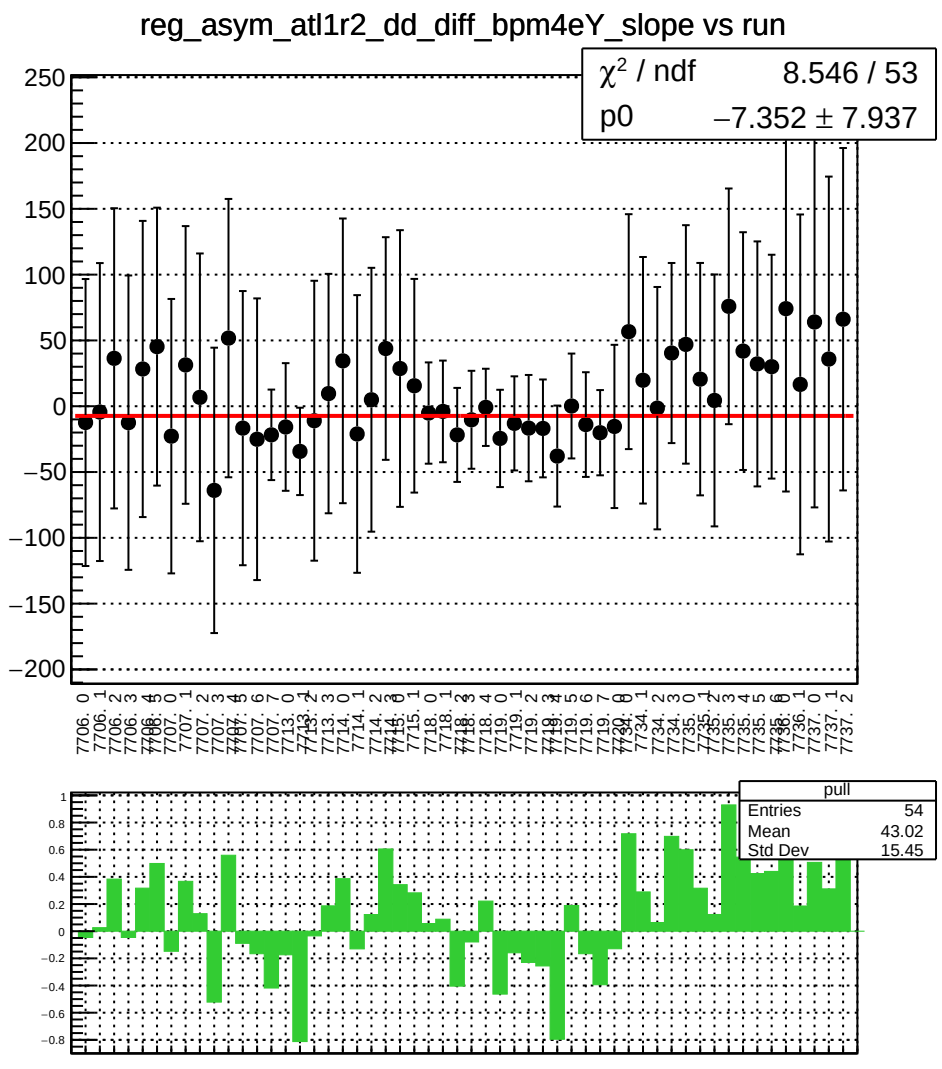

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 486.1 / 53
p0 291.6 ± 4.595
pull
Entries 54
Mean 34.14
Std Dev 20.71
pull1D
Entries 54
Mean −1.294
Std Dev 2.707

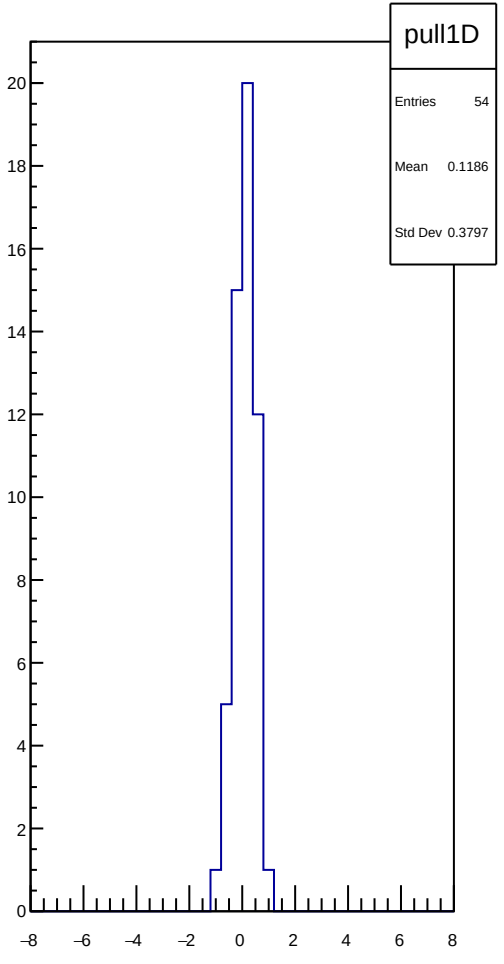

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.631 / 53
p0 −44.2 ± 5.158
pull
Entries 54
Mean 14.89
Std Dev 14.81

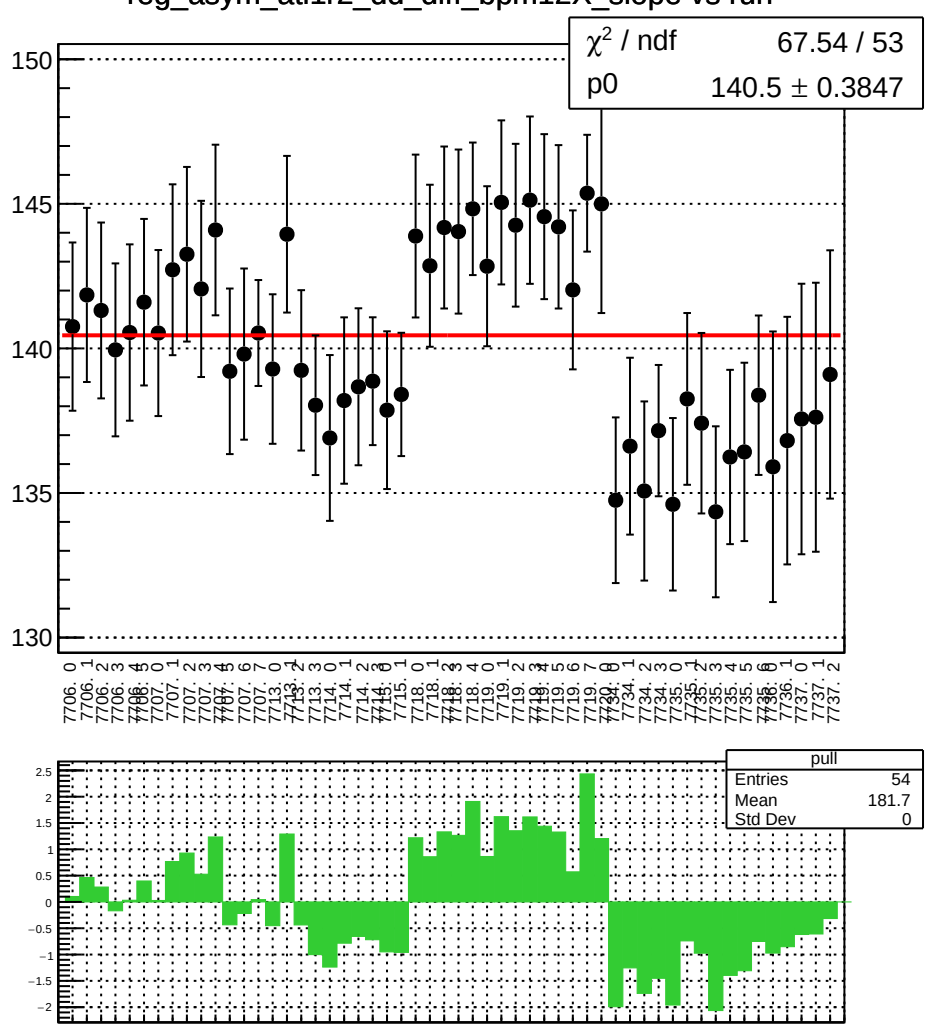

pull1D
Entries 54
Mean −0.06315
Std Dev 0.286

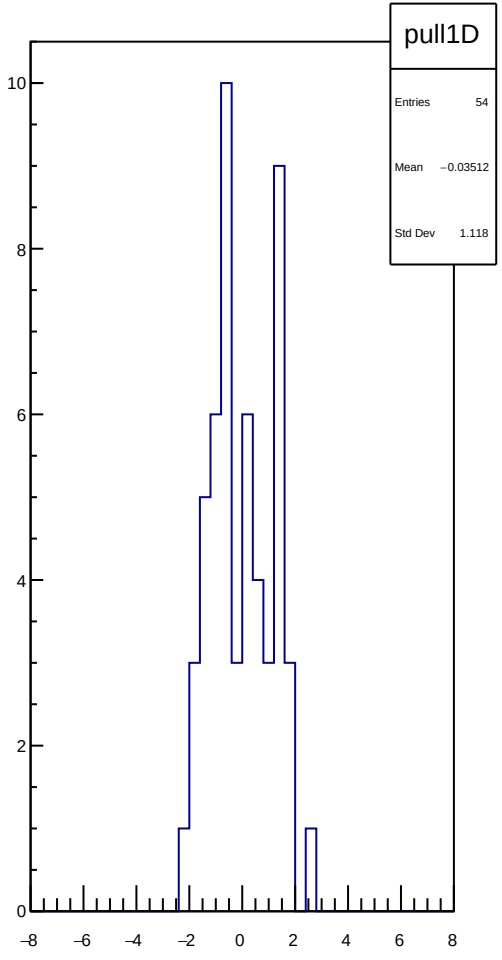

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 410.3 / 53
p0 −329.1 ± 3.81
pull
Entries 54
Mean 30.82
Std Dev 20.28

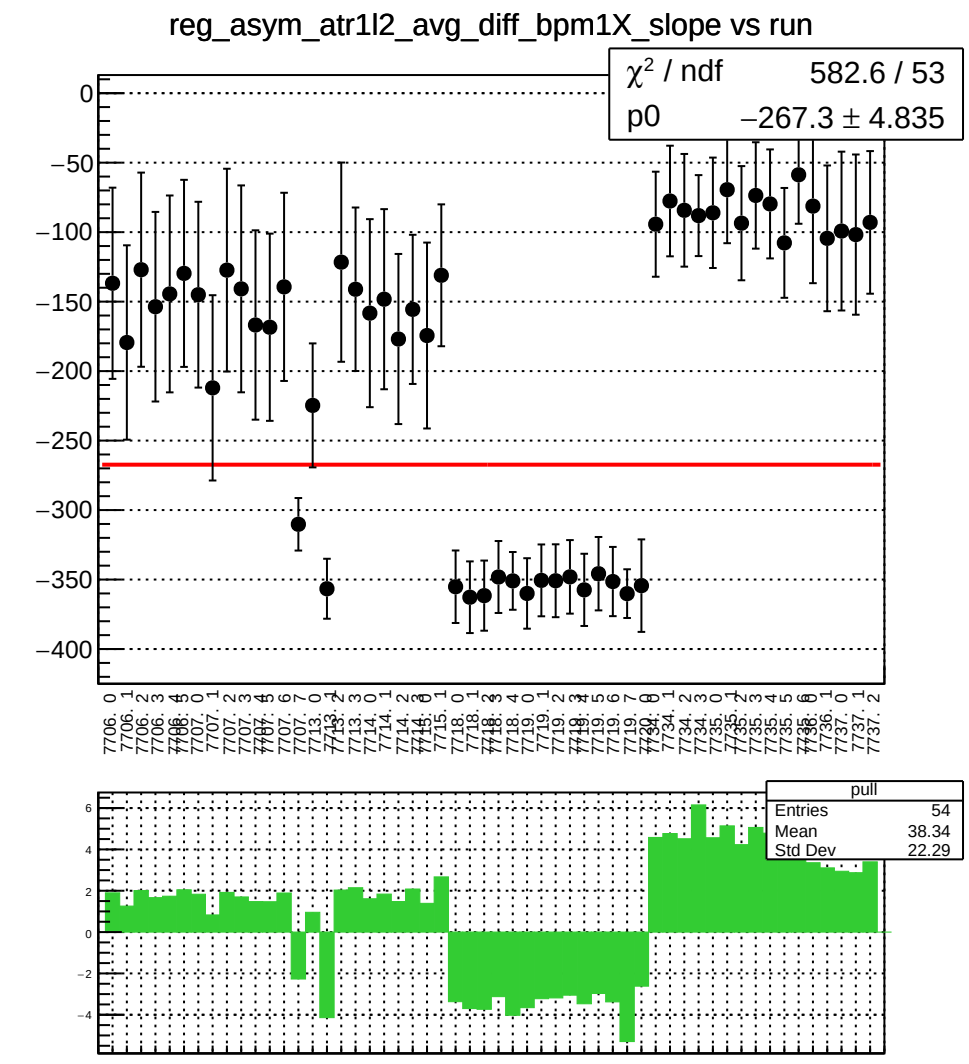

pull1D
Entries 54
Mean 1.439
Std Dev 2.351

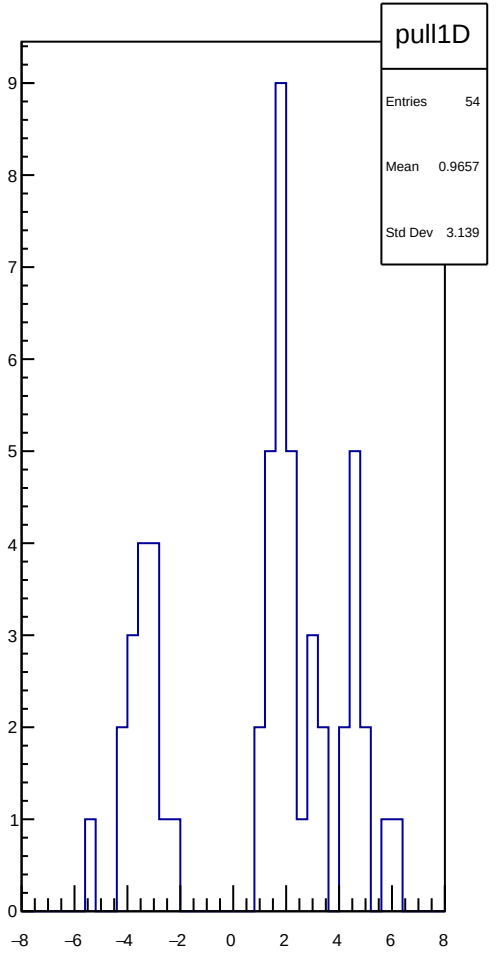

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.546 / 53
p0 −7.352 ± 7.937
pull
Entries 54
Mean 43.02
Std Dev 15.45

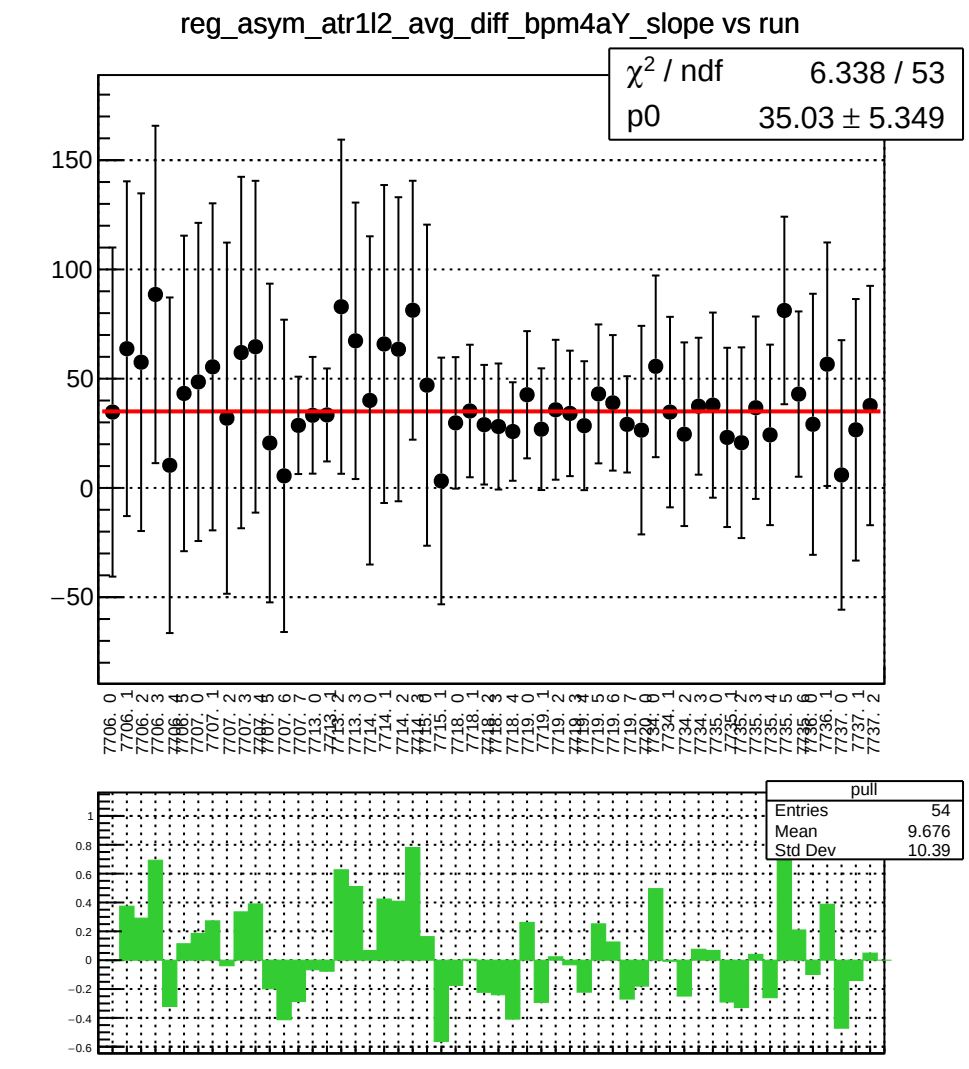

pull1D
Entries 54
Mean 0.1186
Std Dev 0.3797

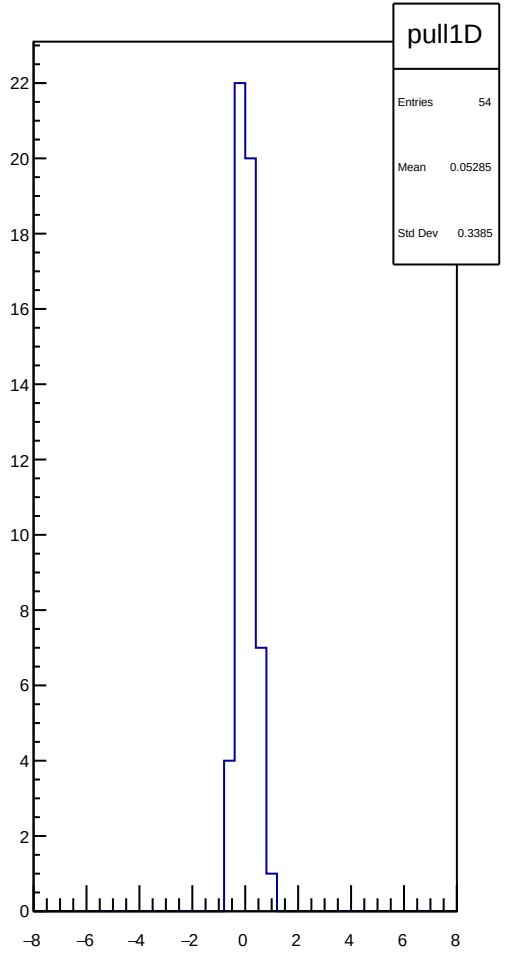

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 67.54 / 53
p0 140.5 ± 0.3847
150
145
140
135
130
pull
Entries 54
Mean 181.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

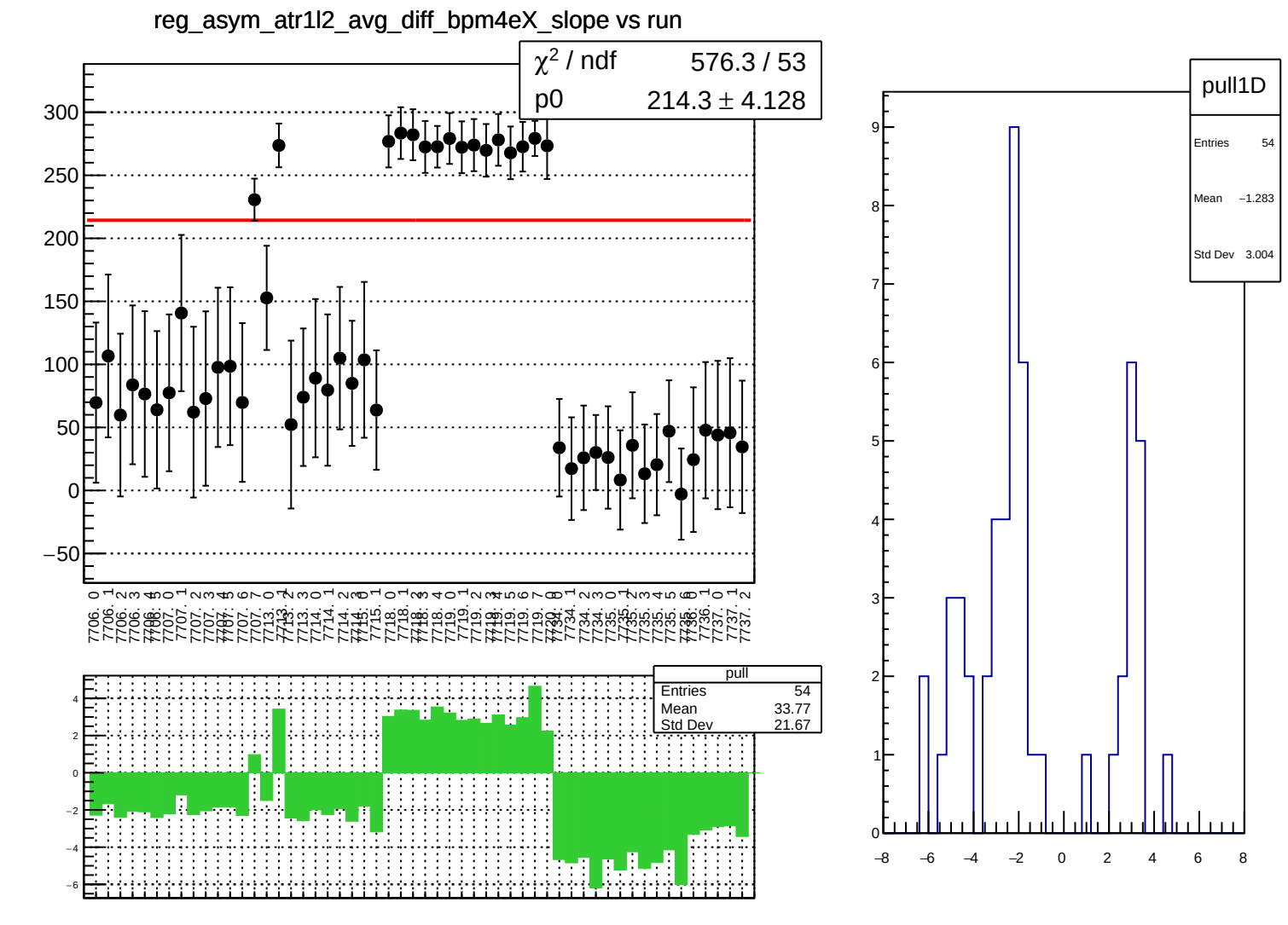

pull1D
Entries 54
Mean −0.03512
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

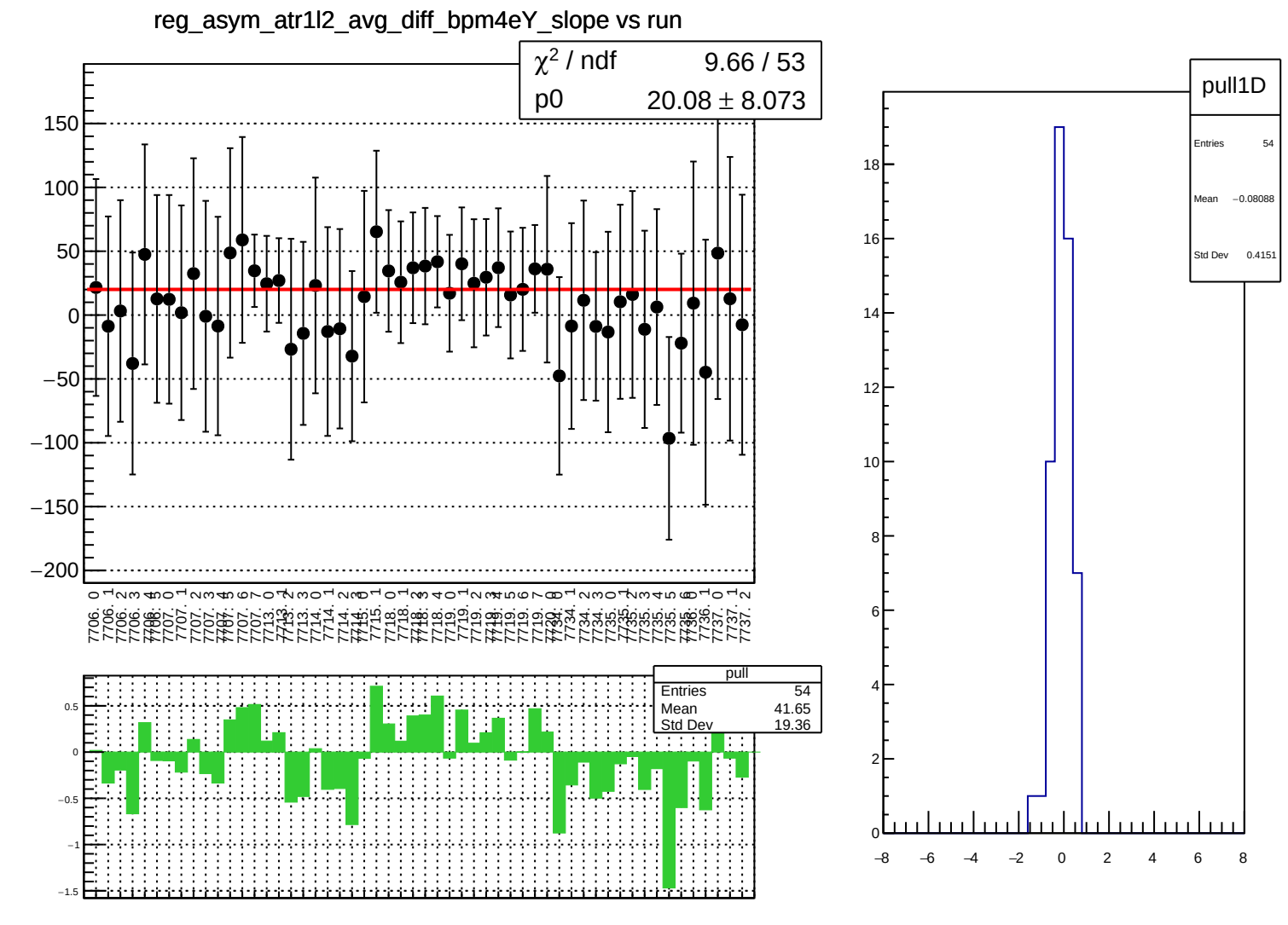

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 582.6 / 53
p0 −267.3 ± 4.835
pull
Entries 54
Mean 38.34
Std Dev 22.29

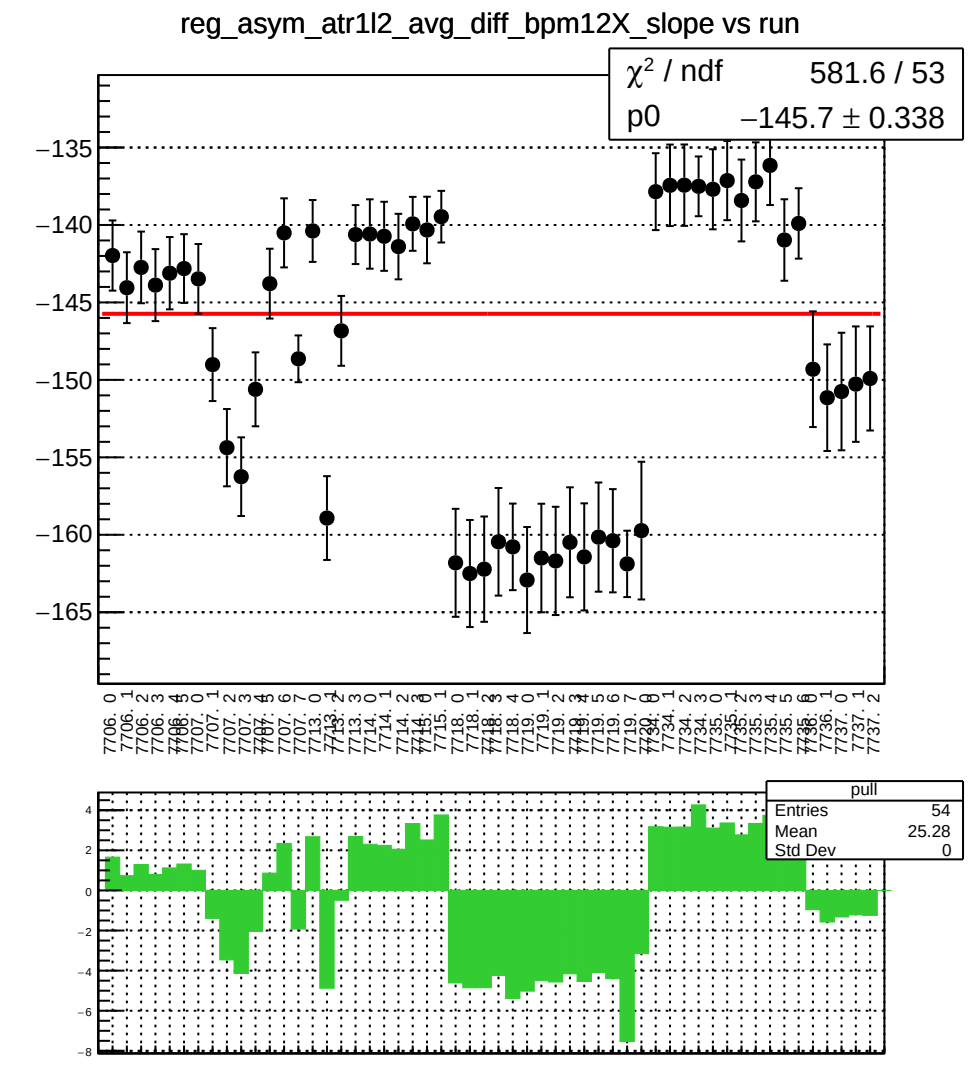

pull1D
Entries 54
Mean 0.9657
Std Dev 3.139

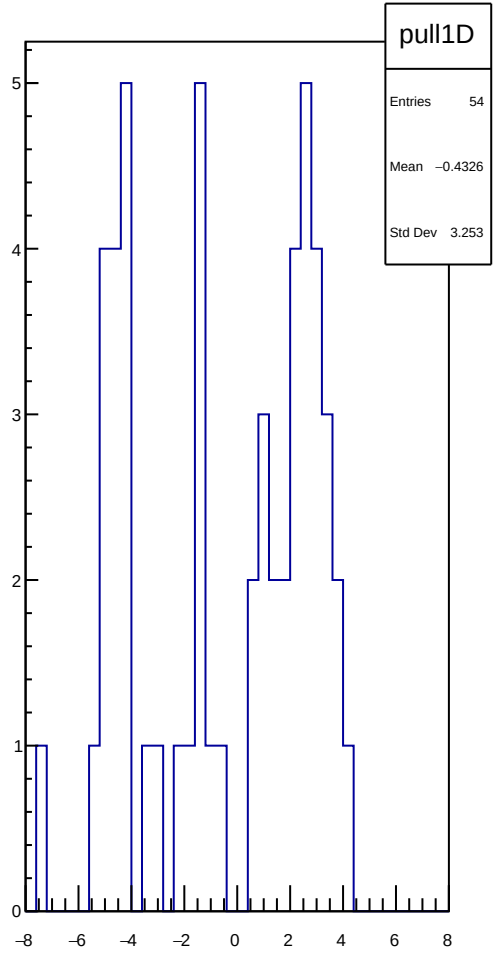

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.338 / 53
p0 35.03 ± 5.349
150
100
50
0
−50
pull
Entries 54
Mean 9.676
Std Dev 10.39
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

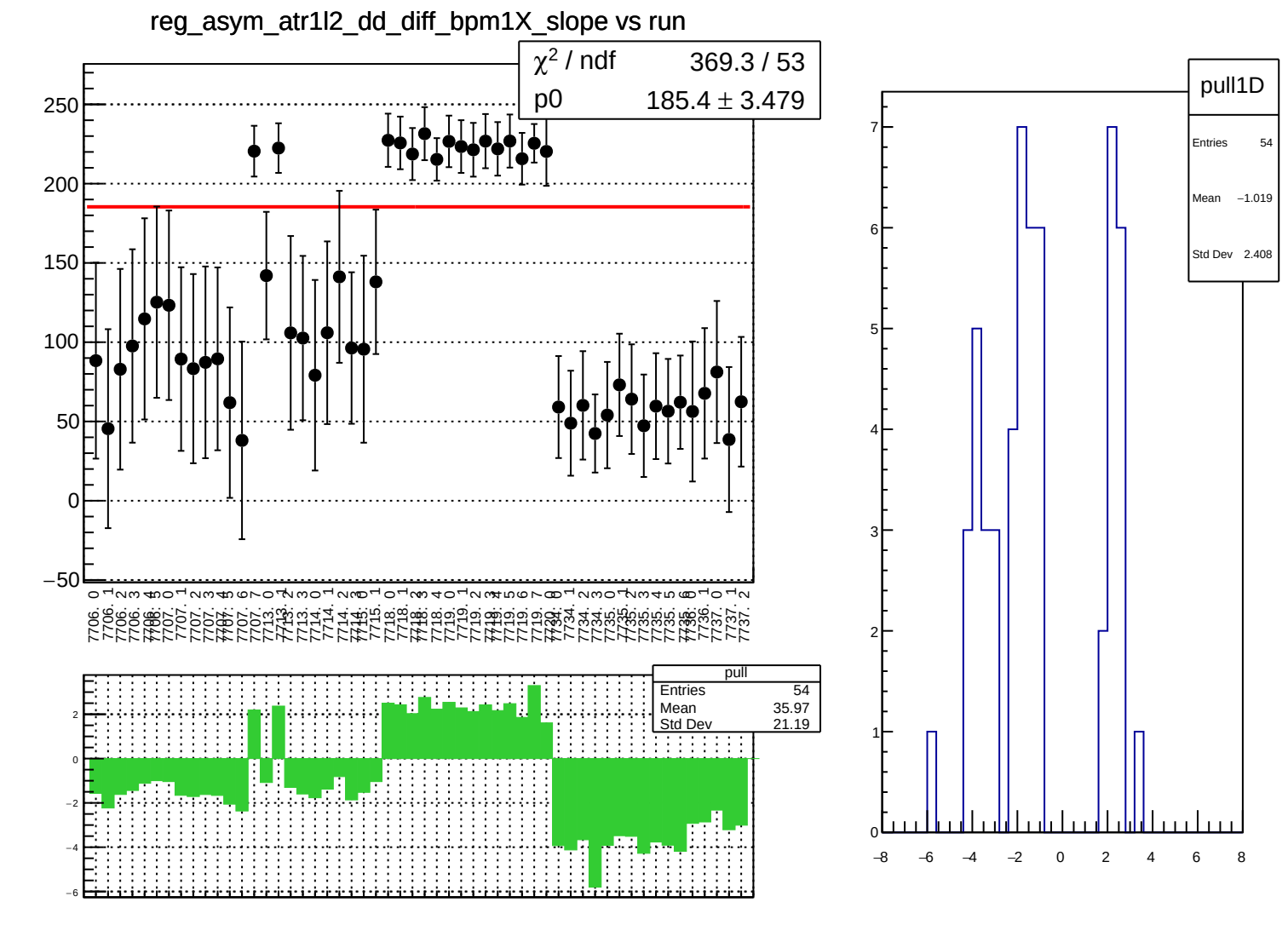

pull1D
Entries 54
Mean 0.05285
Std Dev 0.3385
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

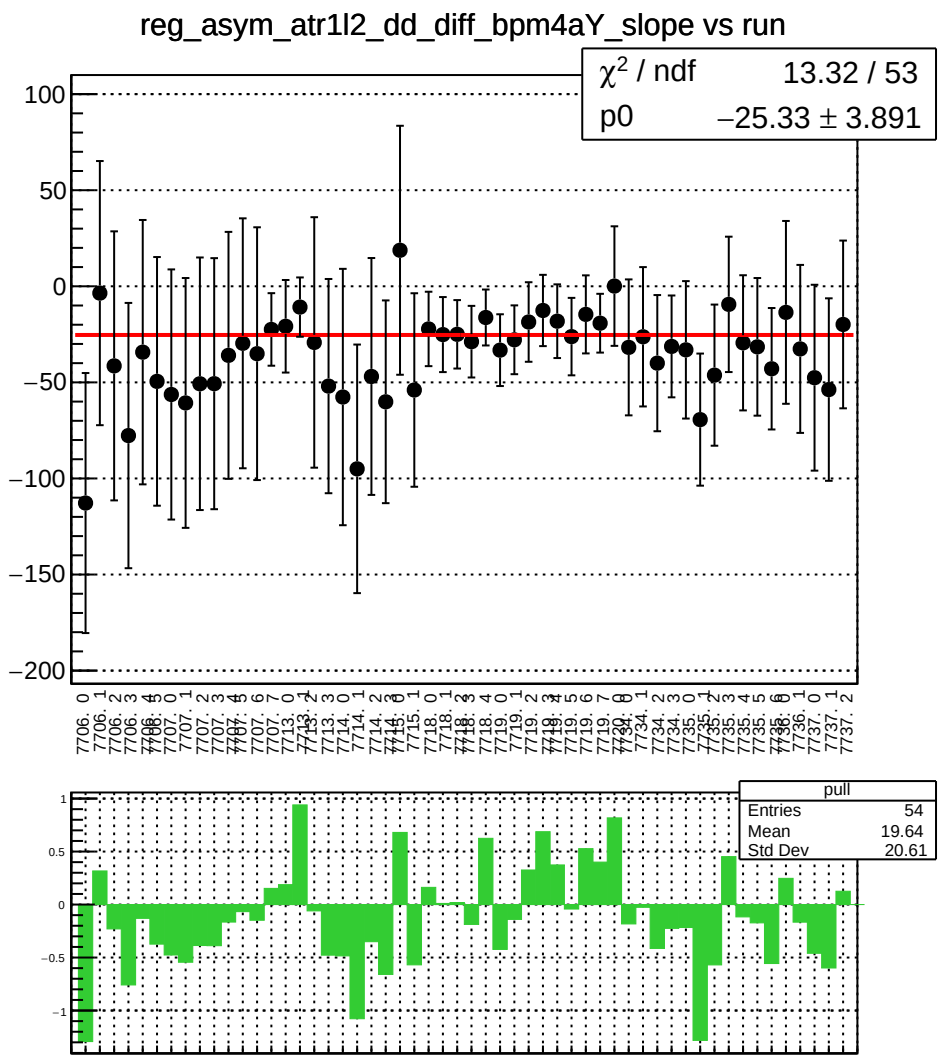

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 576.3 / 53
p0 214.3 ± 4.128
pull
Entries 54
Mean 33.77
Std Dev 21.67
pull1D
Entries 54
Mean −1.283
Std Dev 3.004

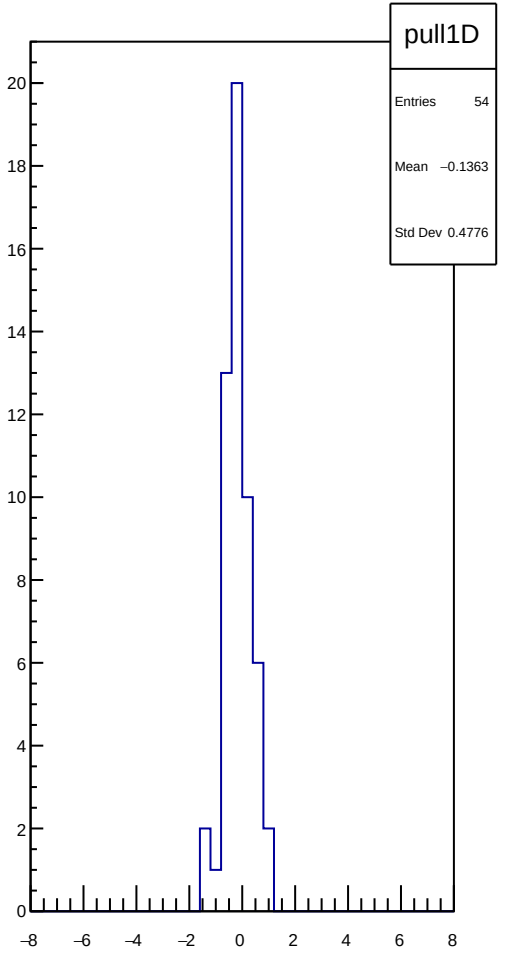

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.66 / 53
p0 20.08 ± 8.073
pull
Entries 54
Mean 41.65
Std Dev 19.36
pull1D
Entries 54
Mean −0.08088
Std Dev 0.4151

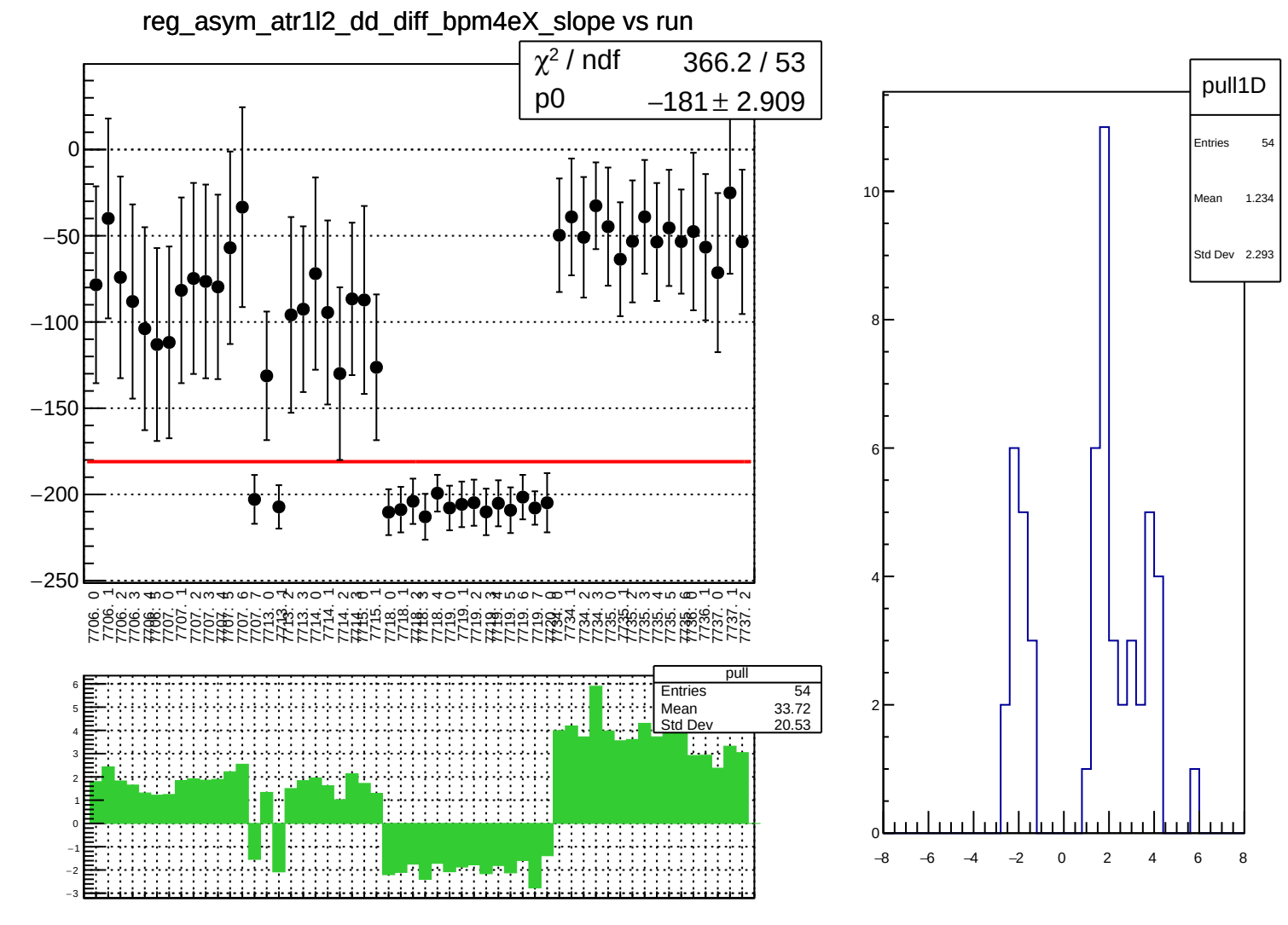

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 581.6 / 53
p0 −145.7 ± 0.338
pull
Entries 54
Mean 25.28
Std Dev 0

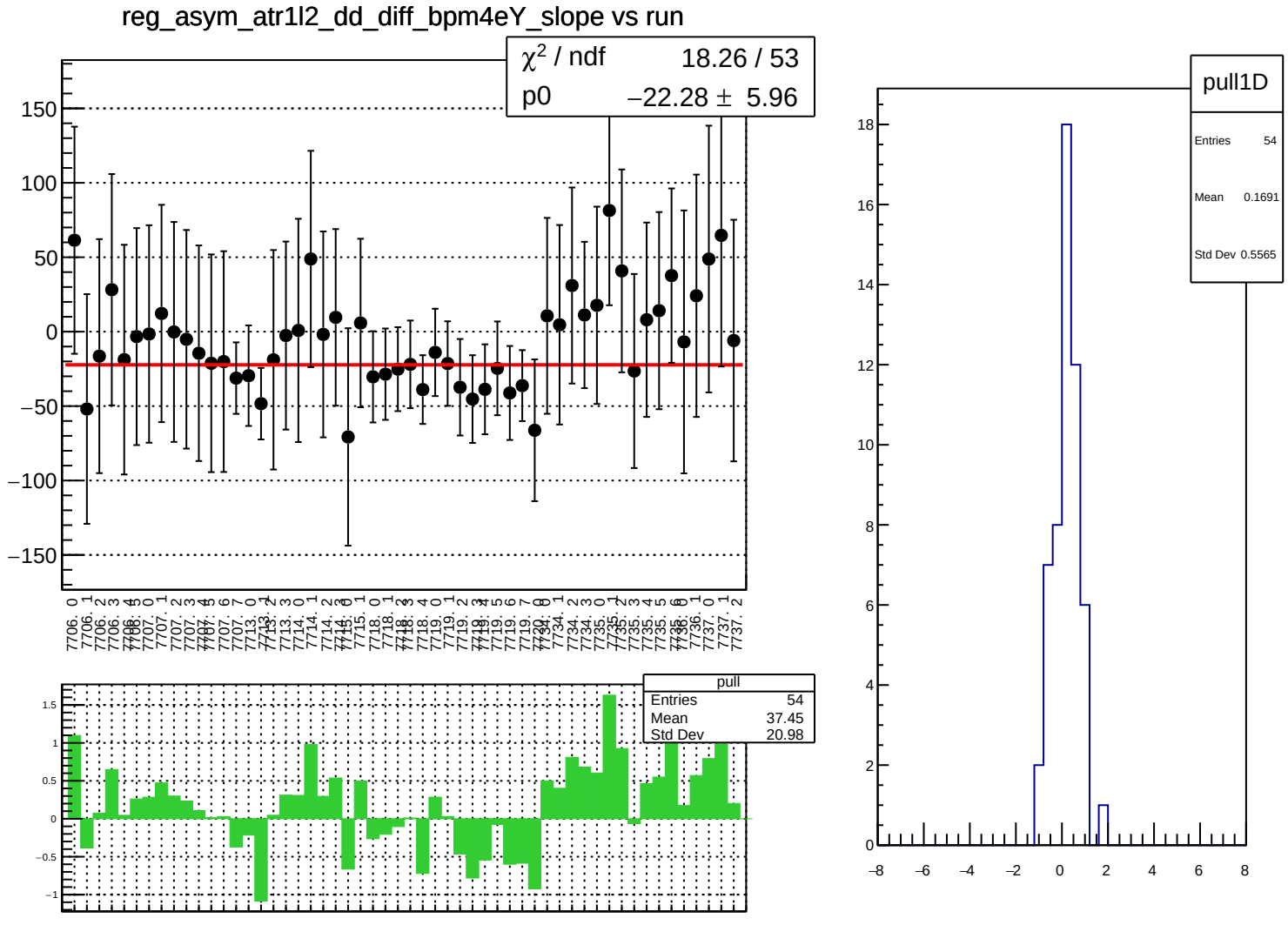

pull1D
Entries 54
Mean −0.4326
Std Dev 3.253

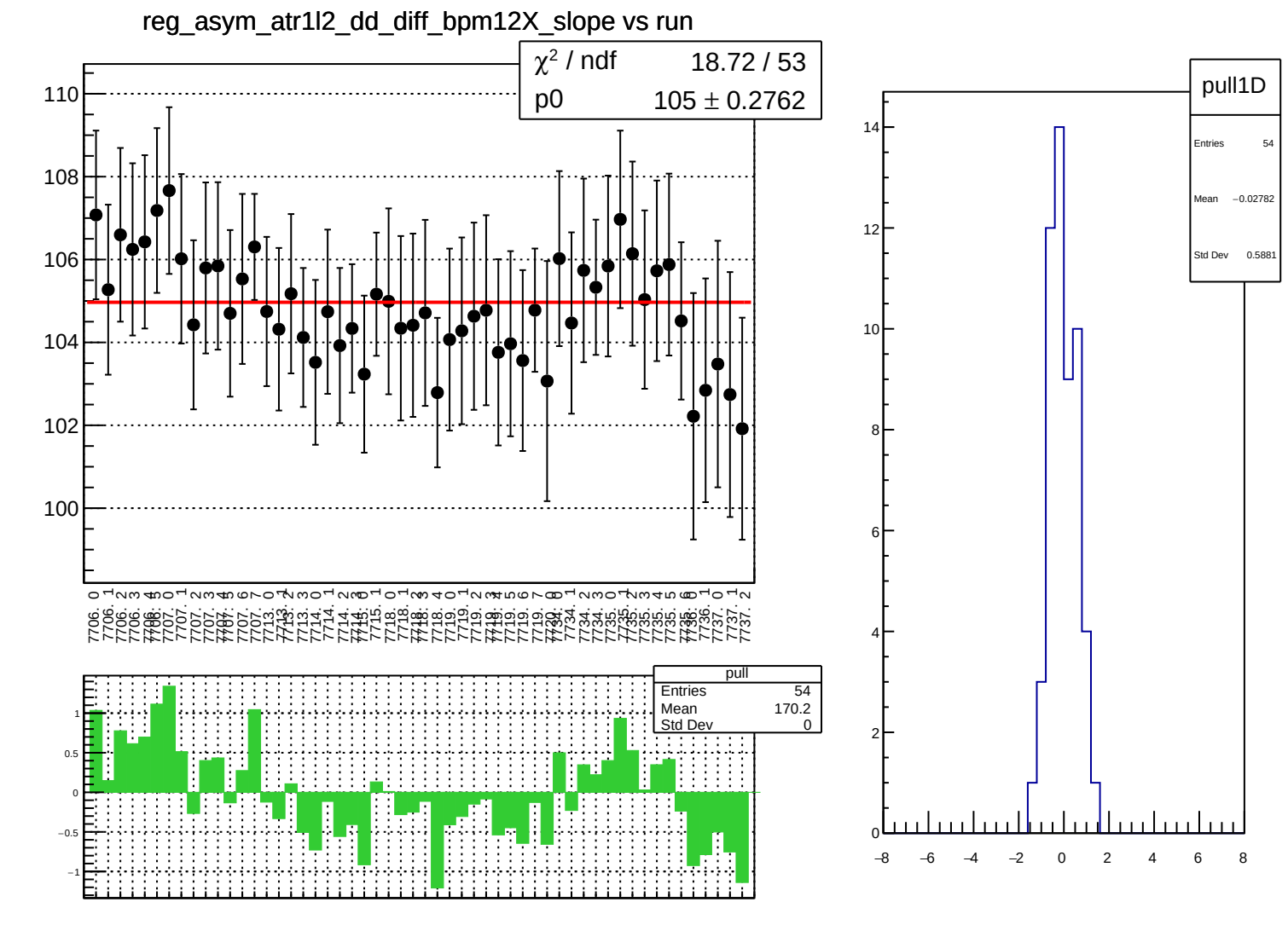

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 369.3 / 53
p0 185.4 ± 3.479
pull
Entries 54
Mean 35.97
Std Dev 21.19
pull1D
Entries 54
Mean −1.019
Std Dev 2.408

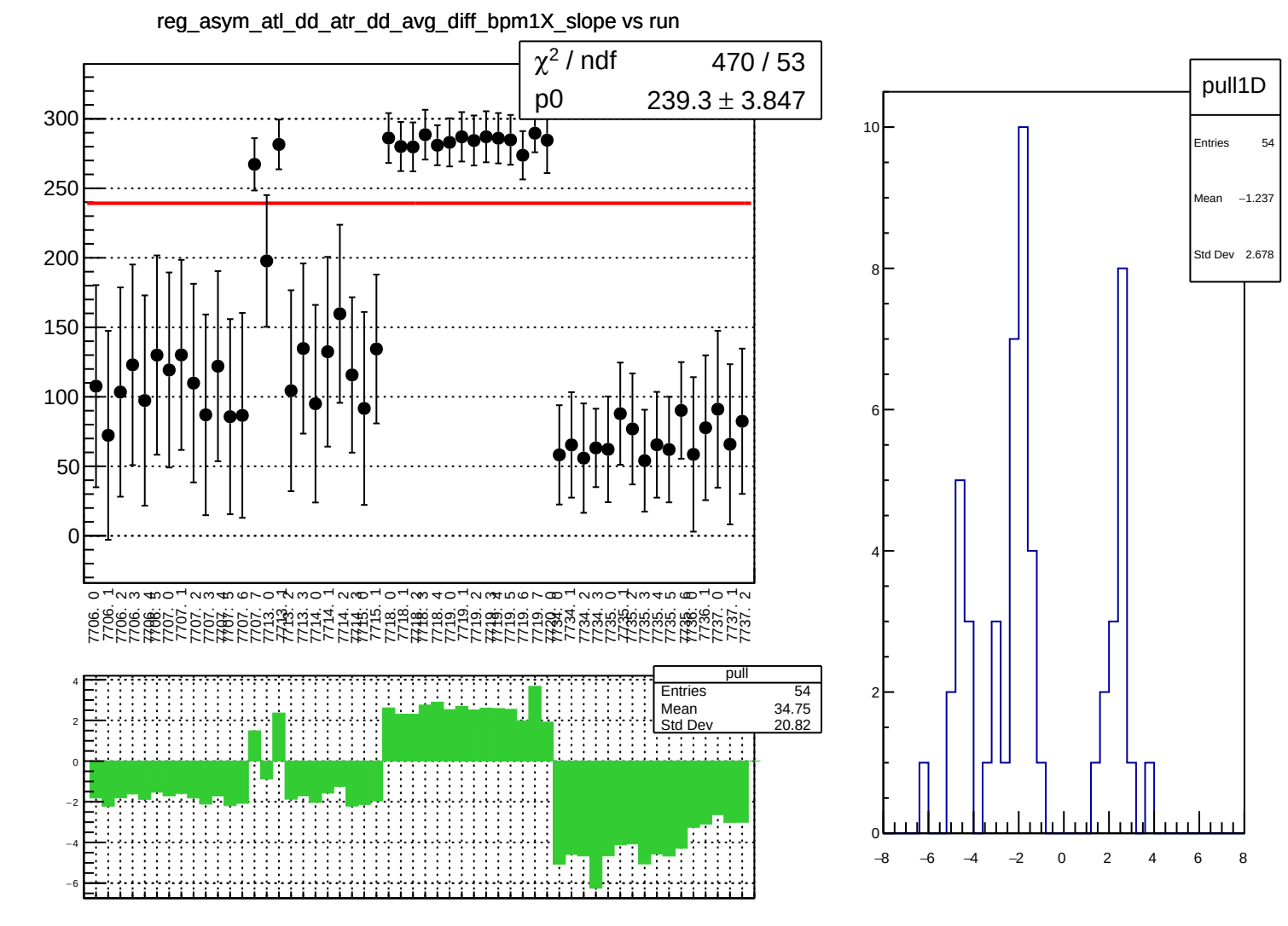

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 53
p0 −25.33 ± 3.891
pull
Entries 54
Mean 19.64
Std Dev 20.61

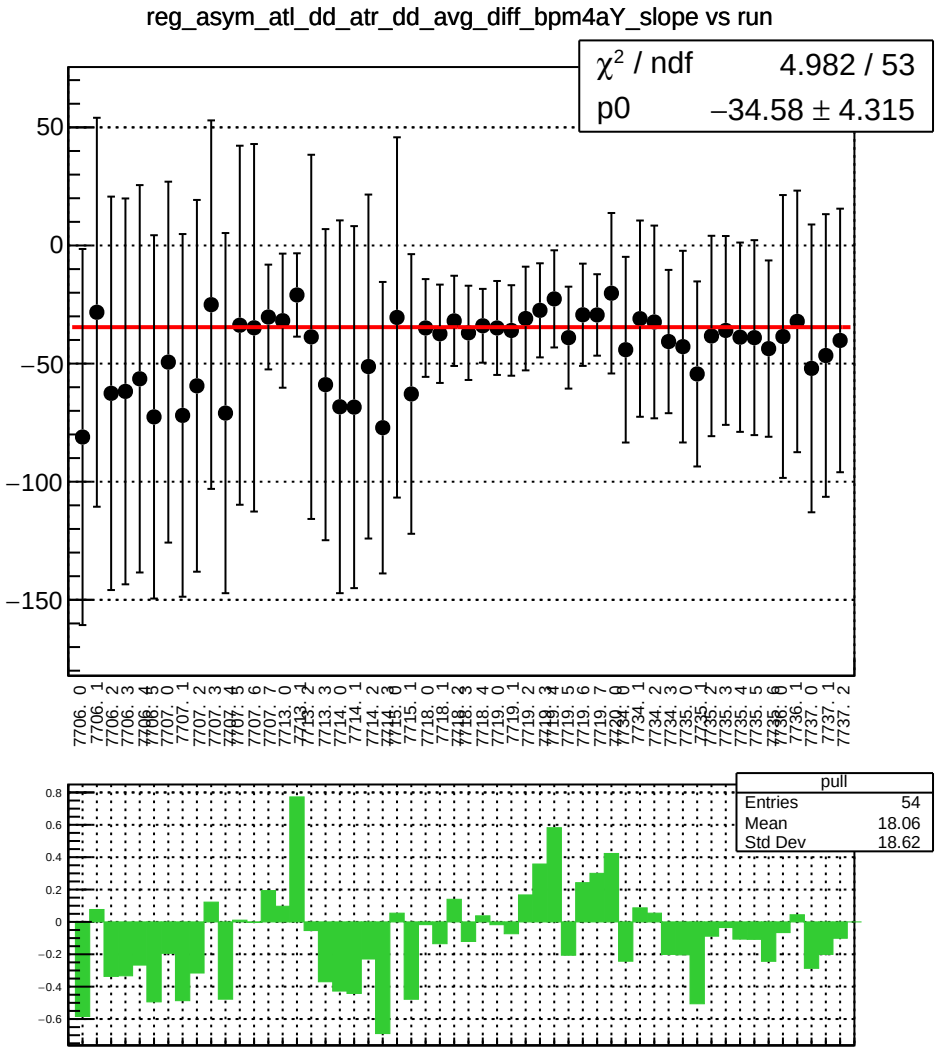

pull1D
Entries 54
Mean −0.1363
Std Dev 0.4776

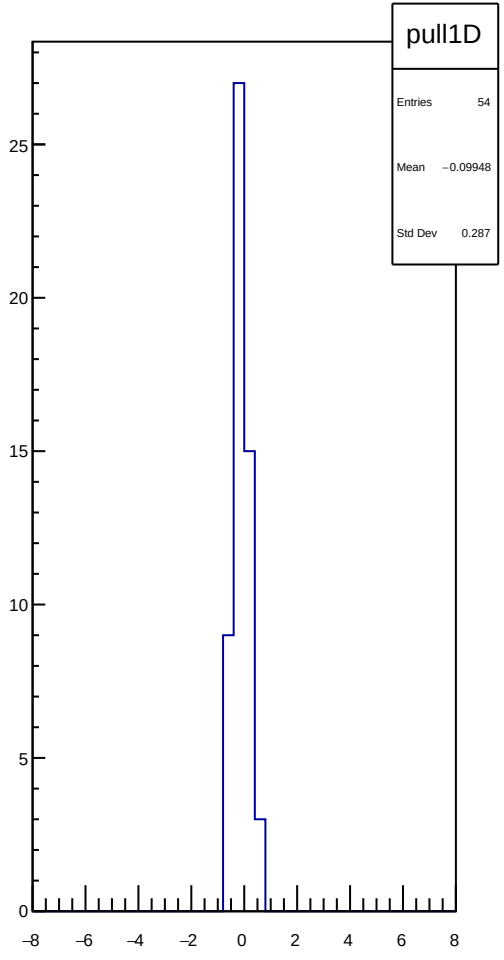

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 366.2 / 53
p0 −181 ± 2.909
pull
Entries 54
Mean 33.72
Std Dev 20.53
pull1D
Entries 54
Mean 1.234
Std Dev 2.293

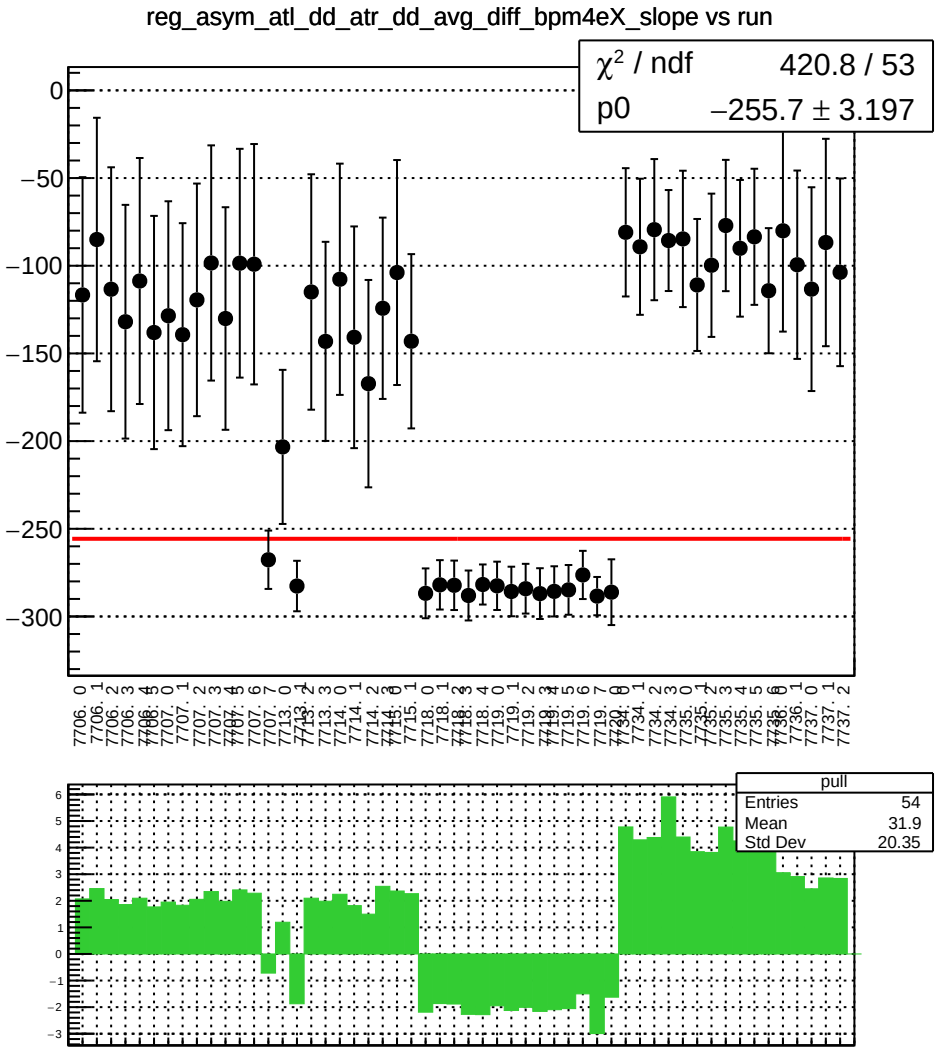

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.26 / 53
p0 −22.28 ± 5.96
pull
Entries 54
Mean 37.45
Std Dev 20.98
pull1D
Entries 54
Mean 0.1691
Std Dev 0.5565

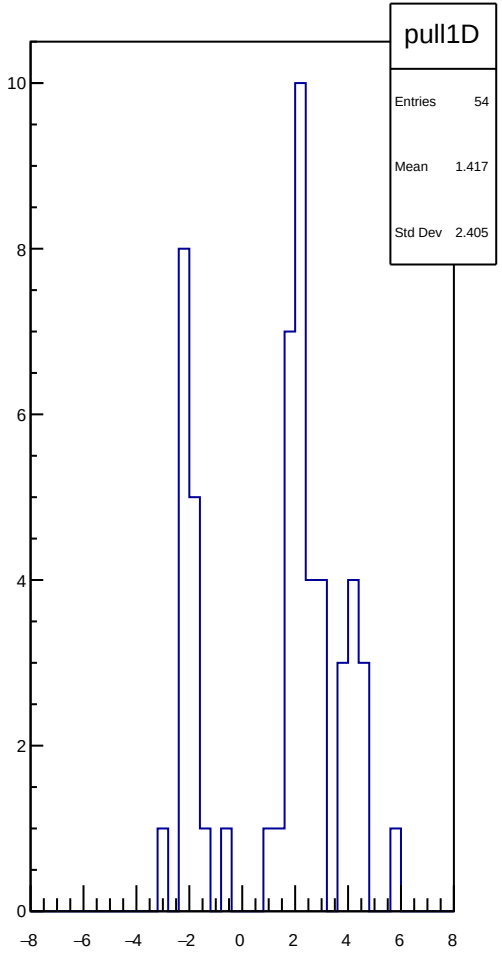

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 18.72 / 53
p0 105 ± 0.2762
110
108
106
104
102
100
pull
Entries 54
Mean 170.2
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.02782
Std Dev 0.5881
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

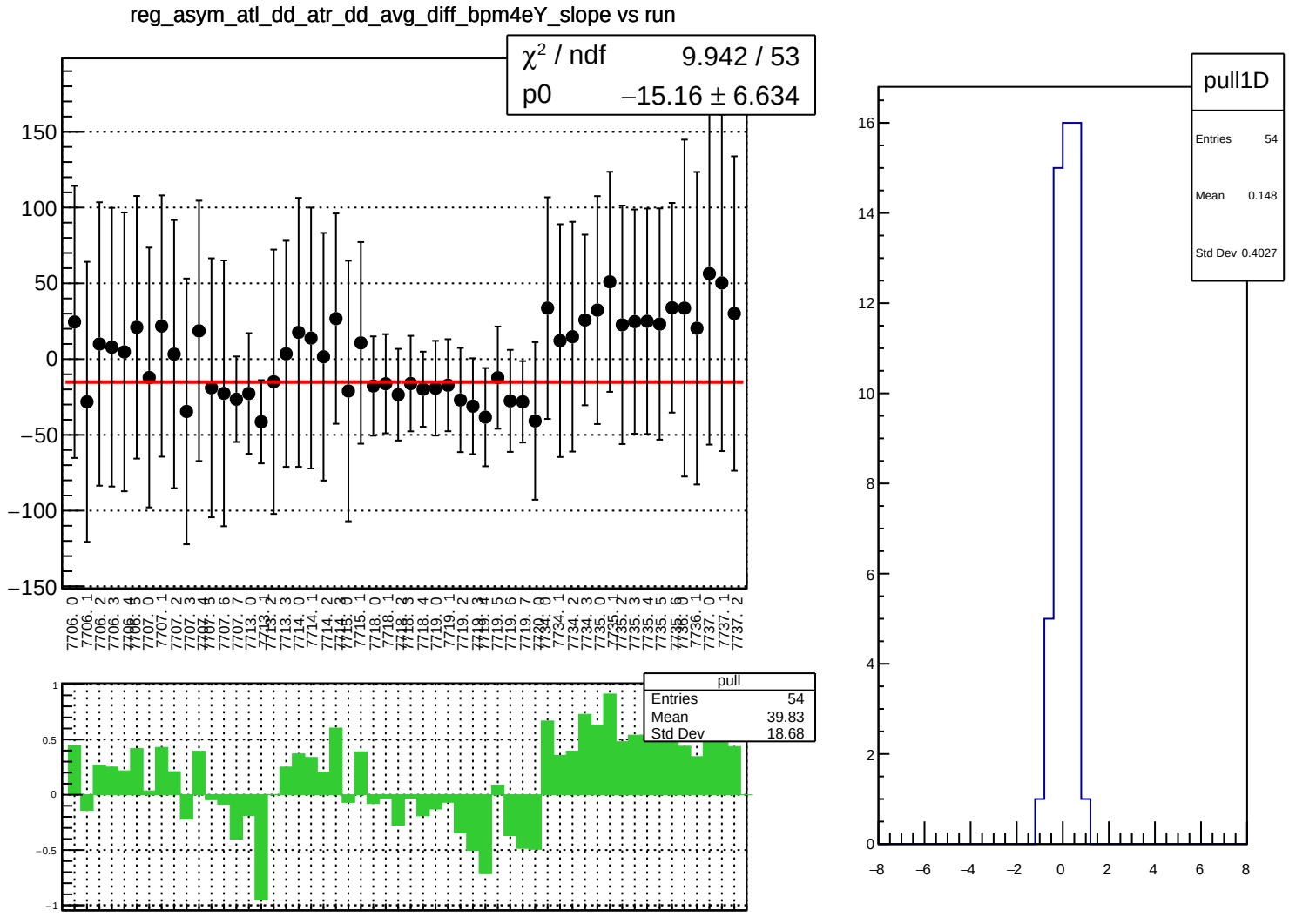

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 470 / 53
p0 239.3 ± 3.847
pull
Entries 54
Mean 34.75
Std Dev 20.82
pull1D
Entries 54
Mean −1.237
Std Dev 2.678

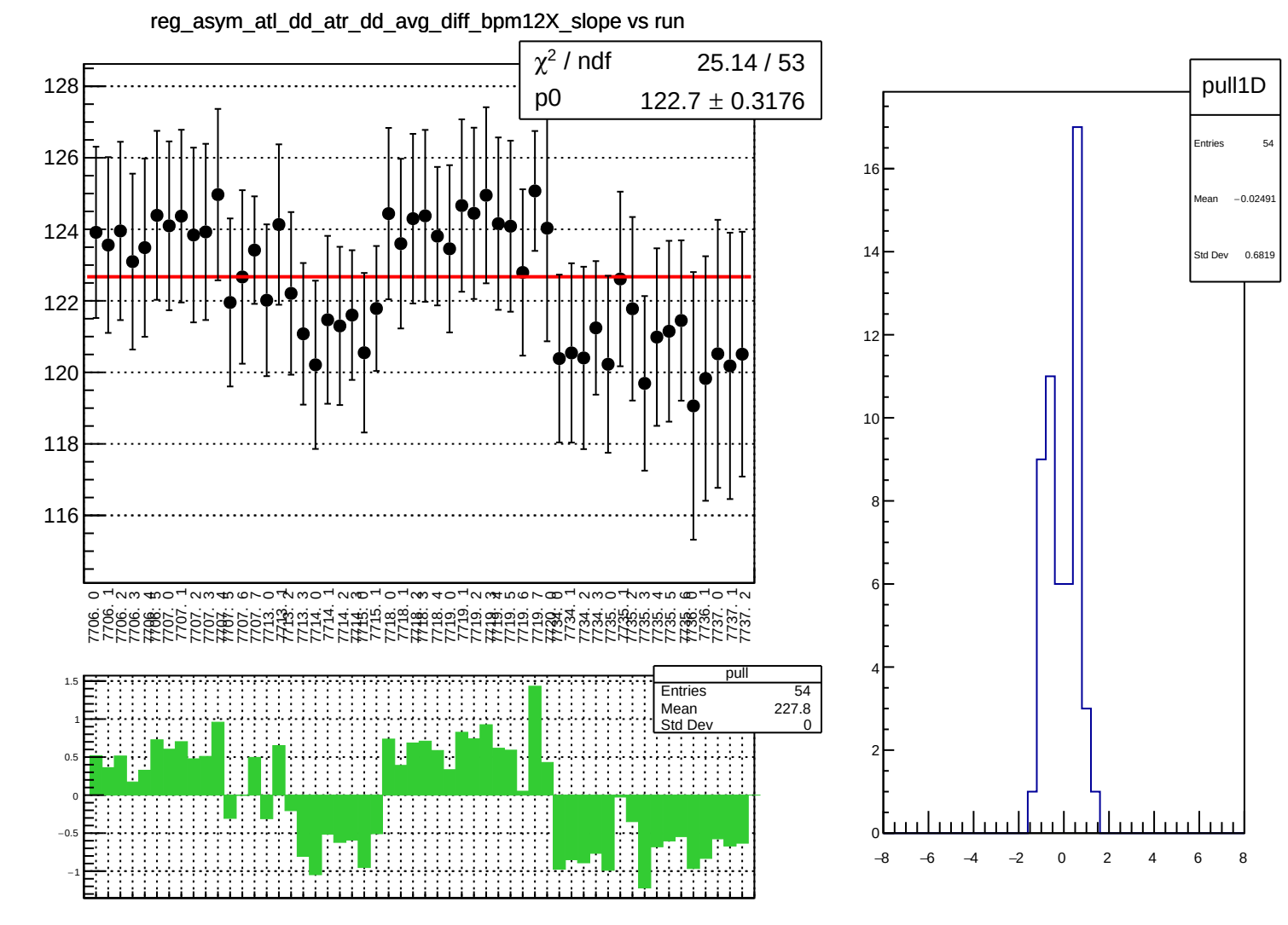

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 53
p0 −34.58 ± 4.315
50
0
−50
−100
−150
pull
Entries 54
Mean 18.06
Std Dev 18.62
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

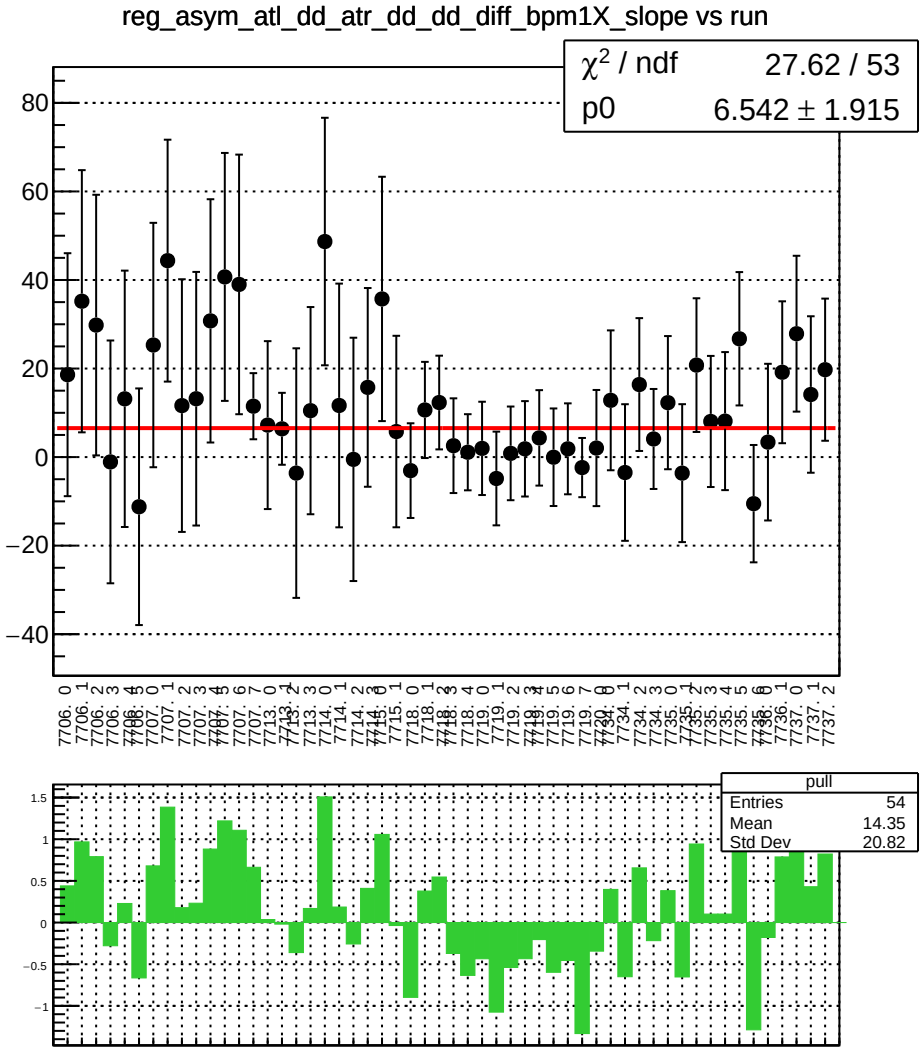

pull1D
Entries 54
Mean −0.09948
Std Dev 0.287
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

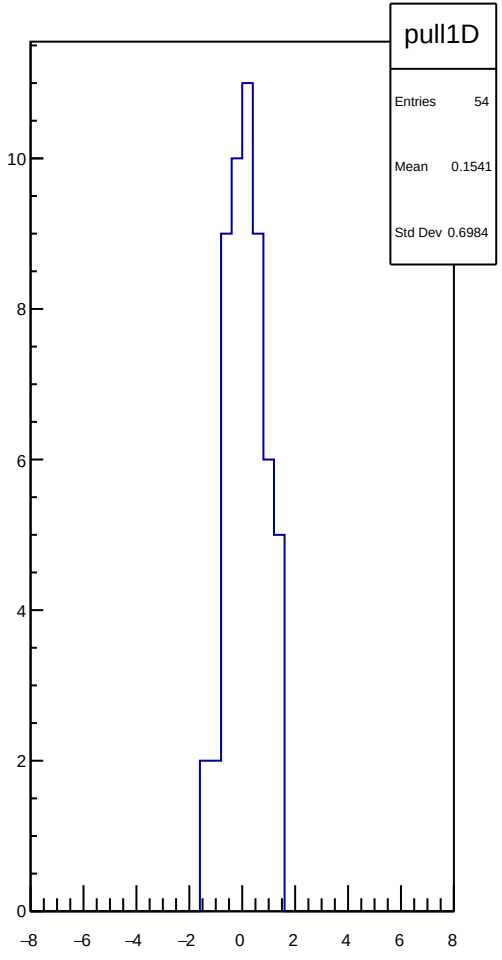

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 420.8 / 53
p0 −255.7 ± 3.197
pull
Entries 54
Mean 31.9
Std Dev 20.35

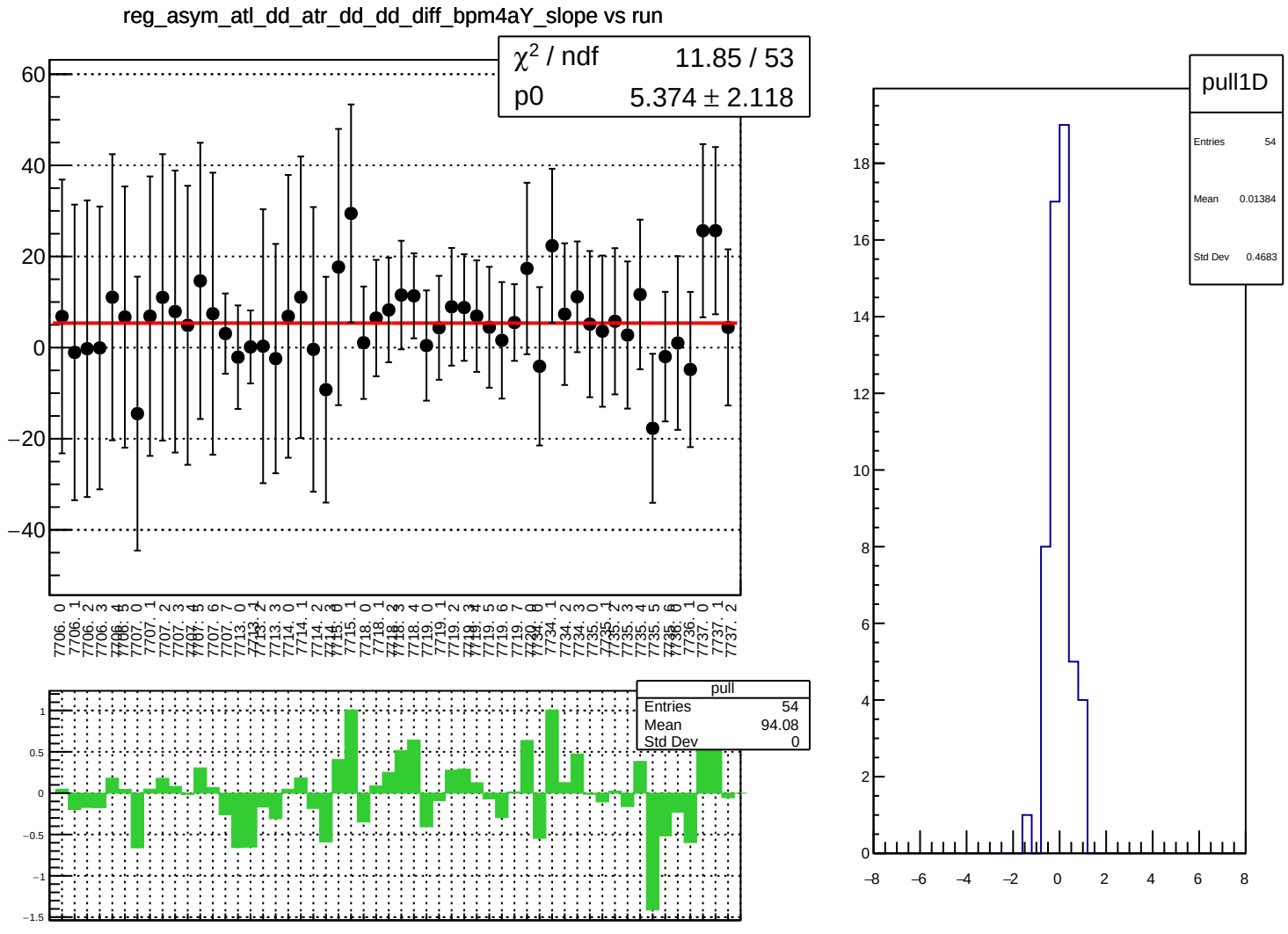

pull1D
Entries 54
Mean 1.417
Std Dev 2.405

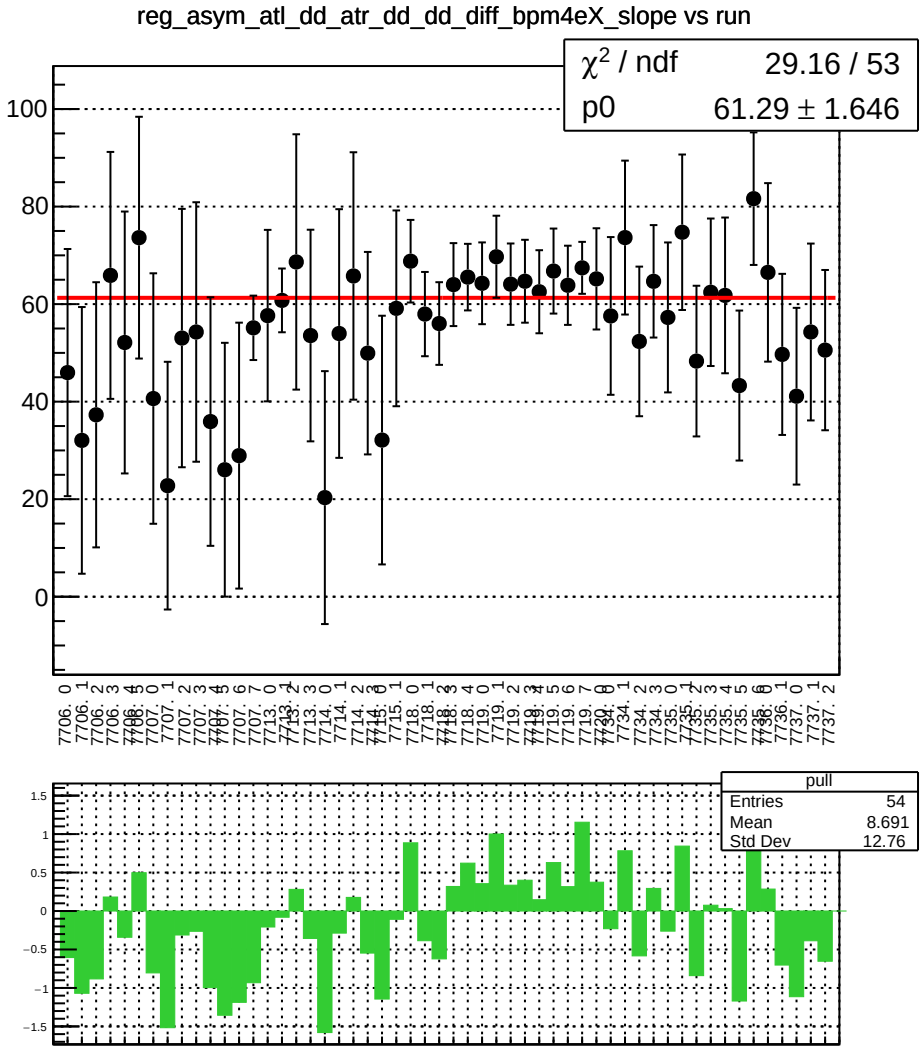

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.942 / 53
p0 −15.16 ± 6.634
pull
Entries 54
Mean 39.83
Std Dev 18.68
pull1D
Entries 54
Mean 0.148
Std Dev 0.4027

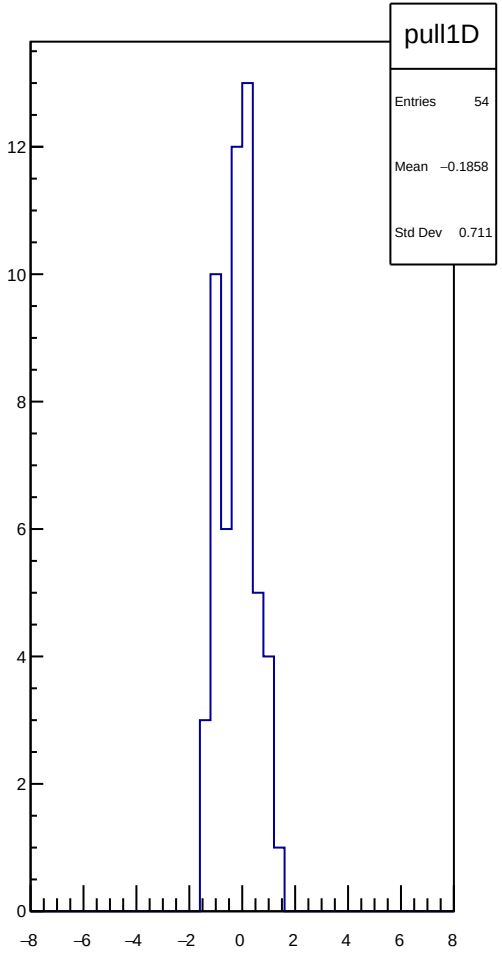

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 25.14 / 53
p0 122.7 ± 0.3176
128
126
124
122
120
118
116
pull
Entries 54
Mean 227.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.02491
Std Dev 0.6819
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

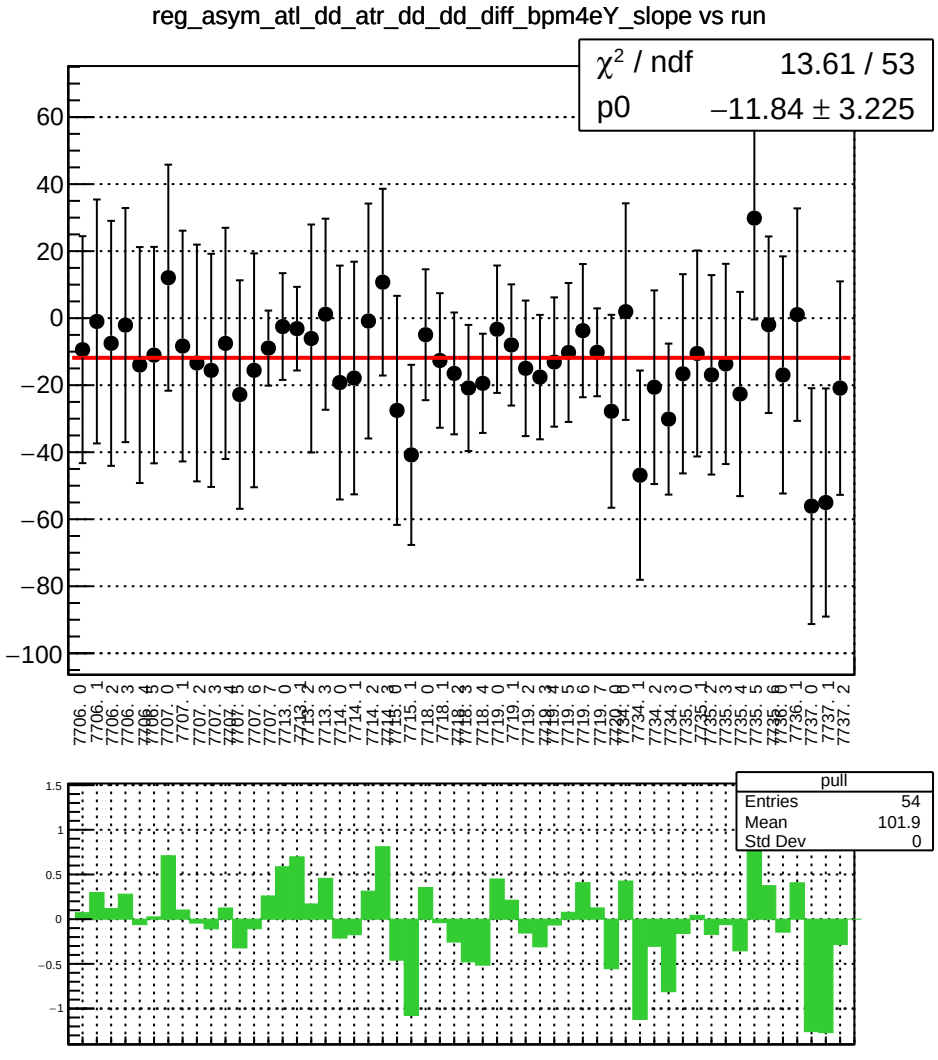

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 27.62 / 53
p0 6.542 ± 1.915
pull
Entries 54
Mean 14.35
Std Dev 20.82

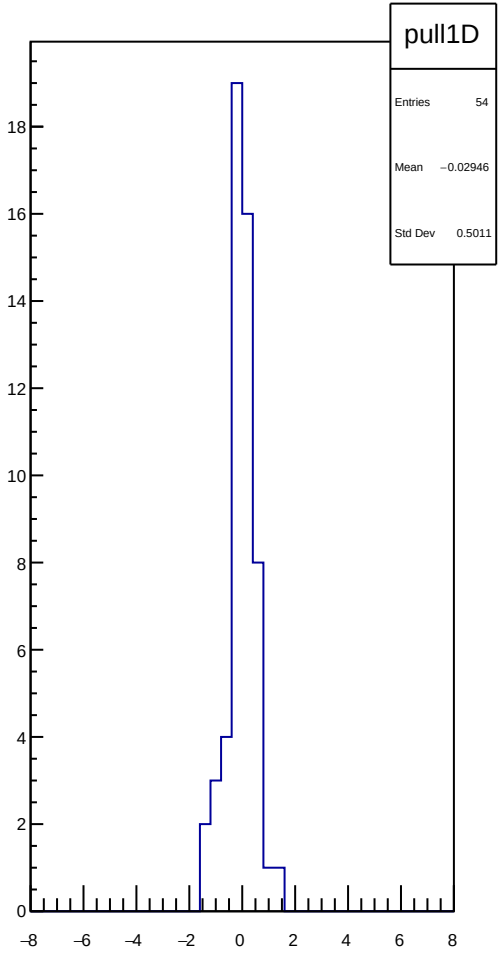

pull1D
Entries 54
Mean 0.1541
Std Dev 0.6984

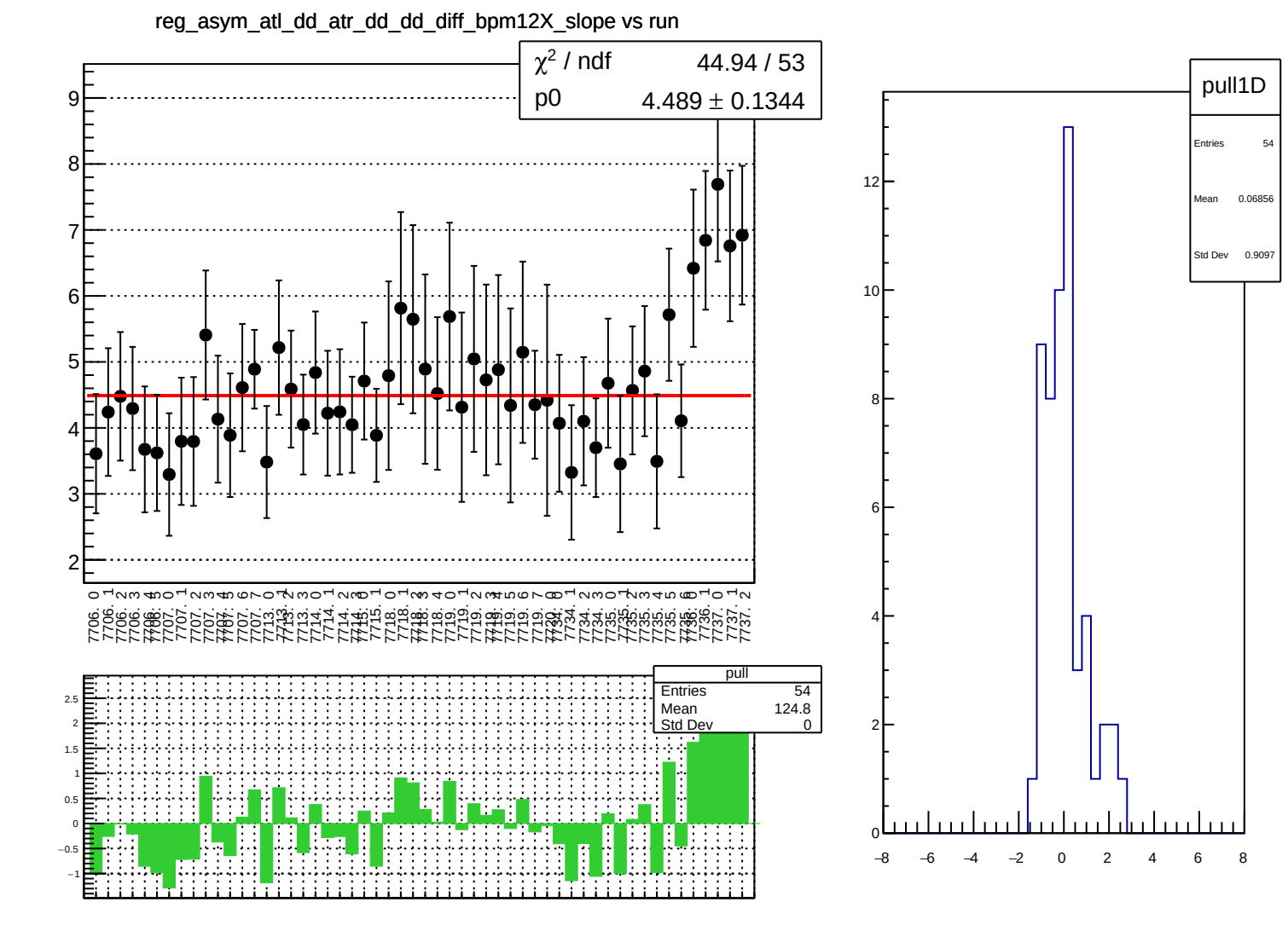

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.85 / 53
p0 5.374 ± 2.118
pull
Entries 54
Mean 94.08
Std Dev 0
pull1D
Entries 54
Mean 0.01384
Std Dev 0.4683

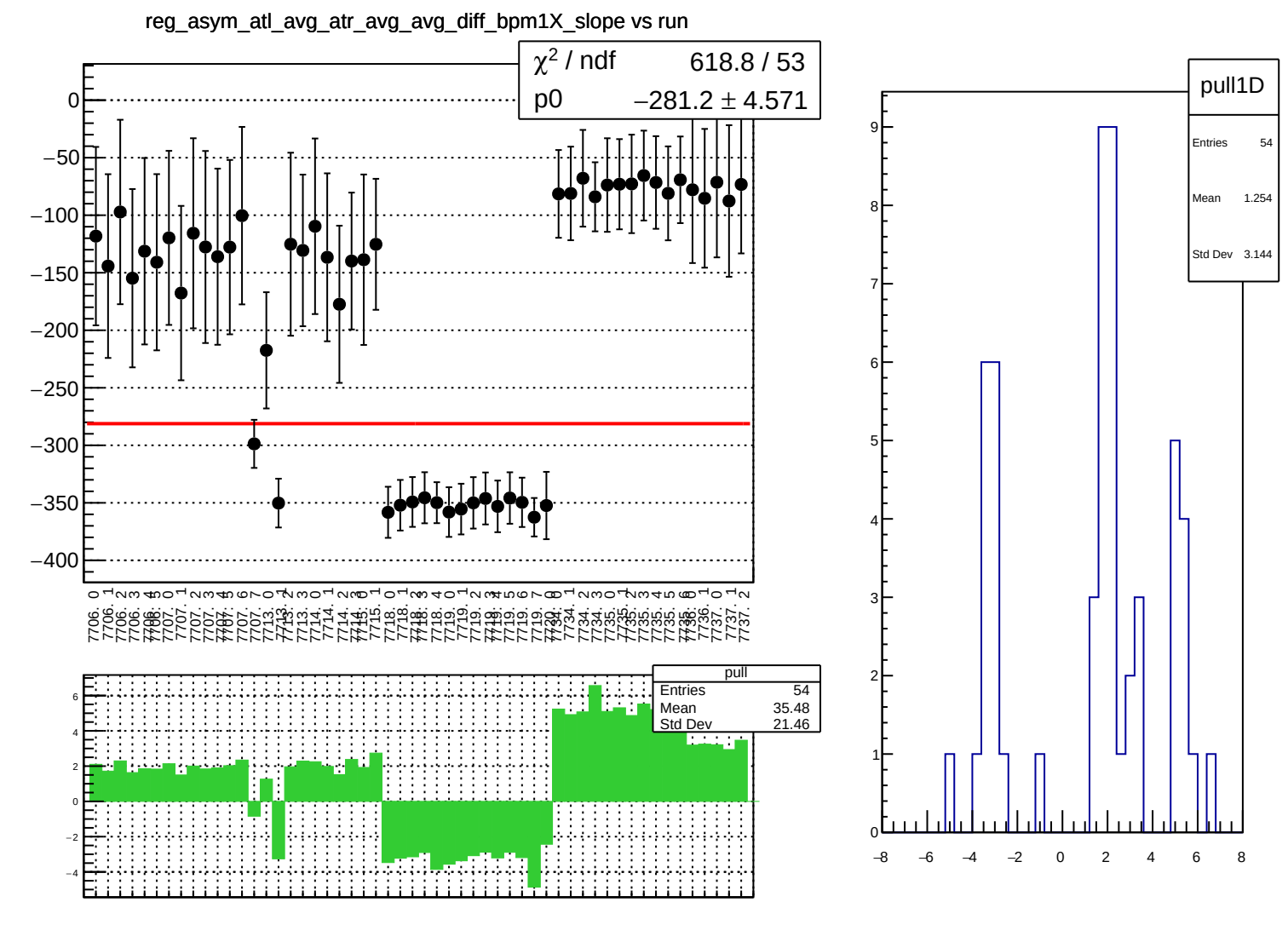

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.16 / 53
p0 61.29 ± 1.646
pull
Entries 54
Mean 8.691
Std Dev 12.76

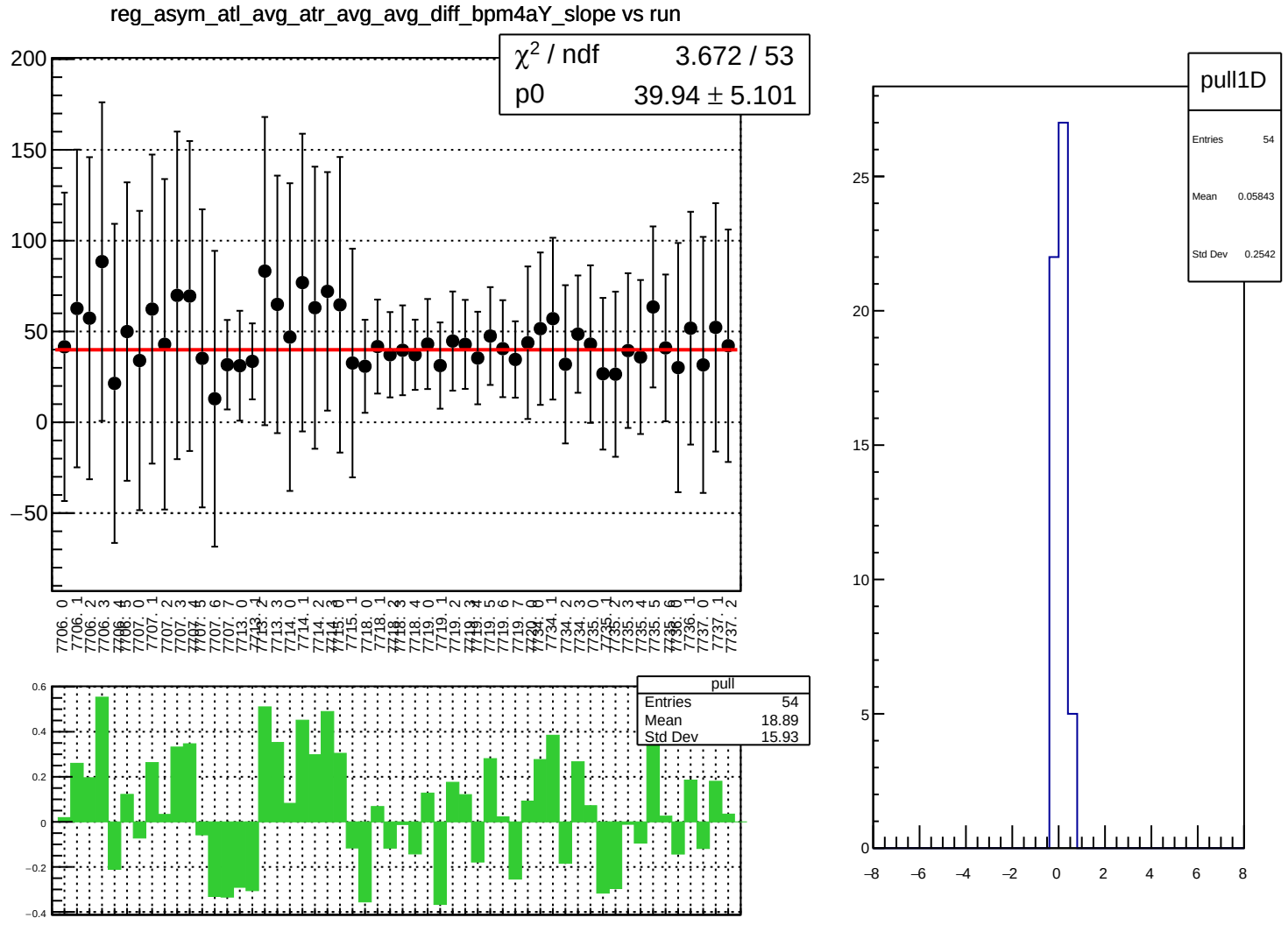

pull1D
Entries 54
Mean −0.1858
Std Dev 0.711

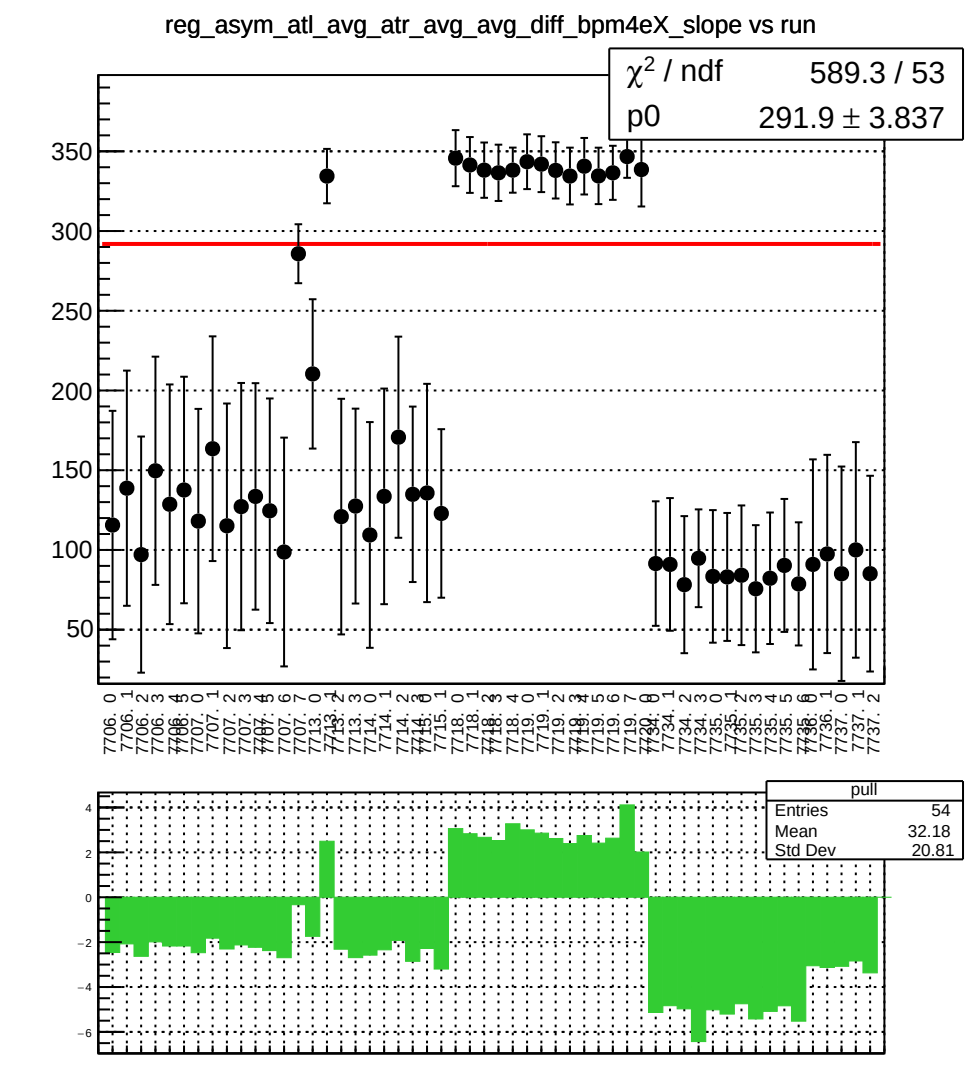

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.61 / 53
p0 −11.84 ± 3.225
pull
Entries 54
Mean 101.9
Std Dev 0

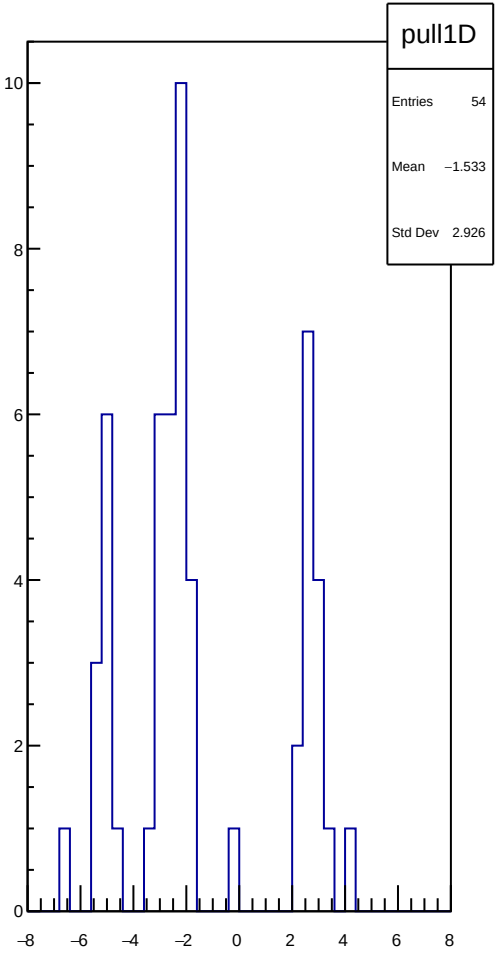

pull1D
Entries 54
Mean −0.02946
Std Dev 0.5011

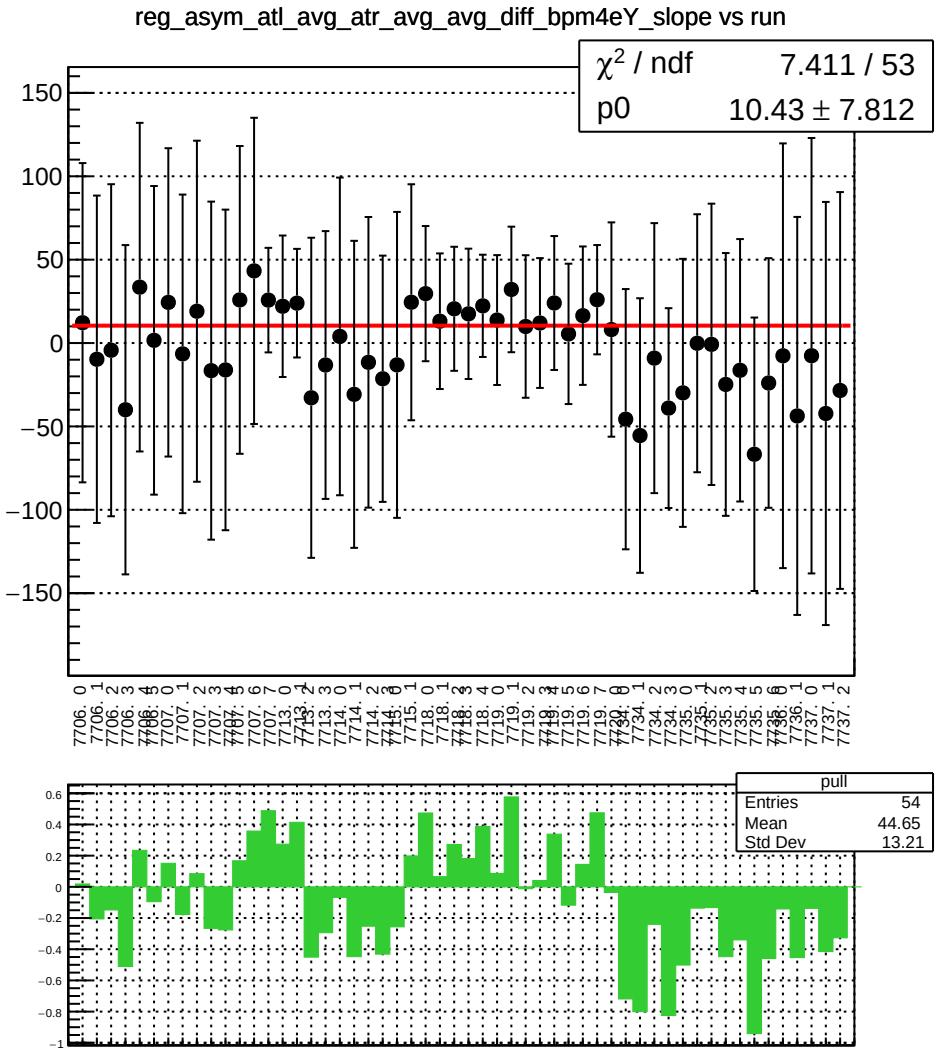

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 44.94 / 53
p0 4.489 ± 0.1344
pull
Entries 54
Mean 124.8
Std Dev 0
pull1D
Entries 54
Mean 0.06856
Std Dev 0.9097

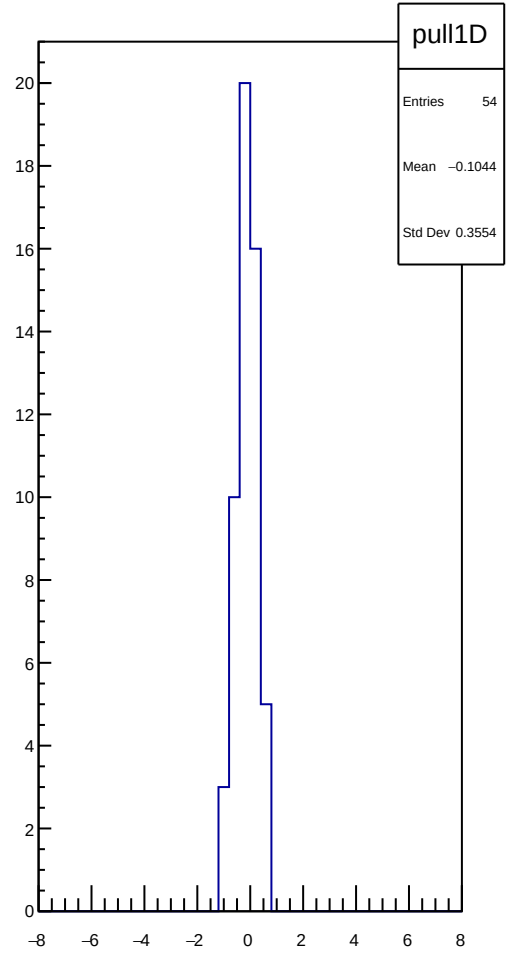

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 618.8 / 53
p0 −281.2 ± 4.571
pull
Entries 54
Mean 35.48
Std Dev 21.46
pull1D
Entries 54
Mean 1.254
Std Dev 3.144

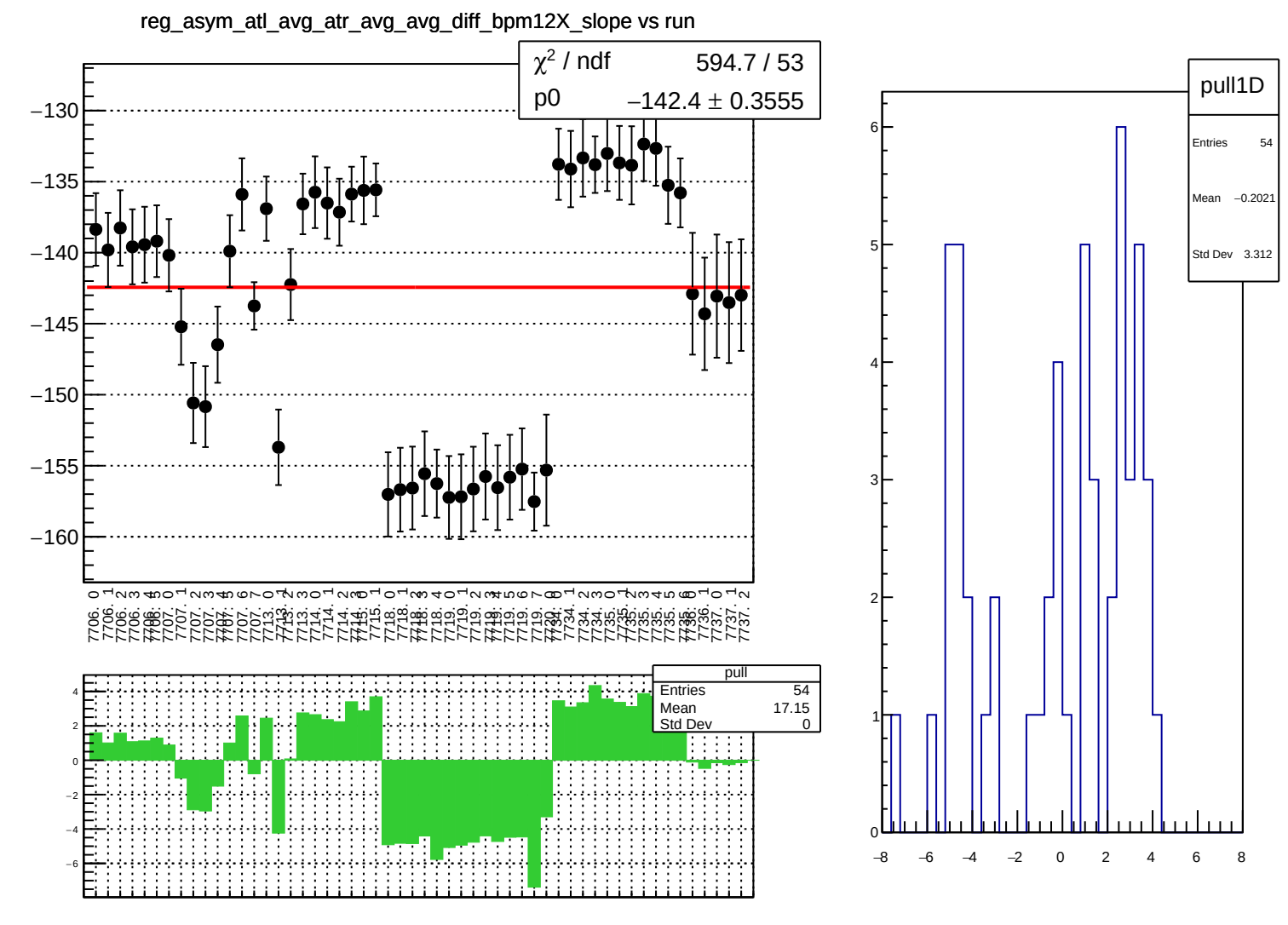

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.672 / 53
p0 39.94 ± 5.101
pull
Entries 54
Mean 18.89
Std Dev 15.93
pull1D
Entries 54
Mean 0.05843
Std Dev 0.2542

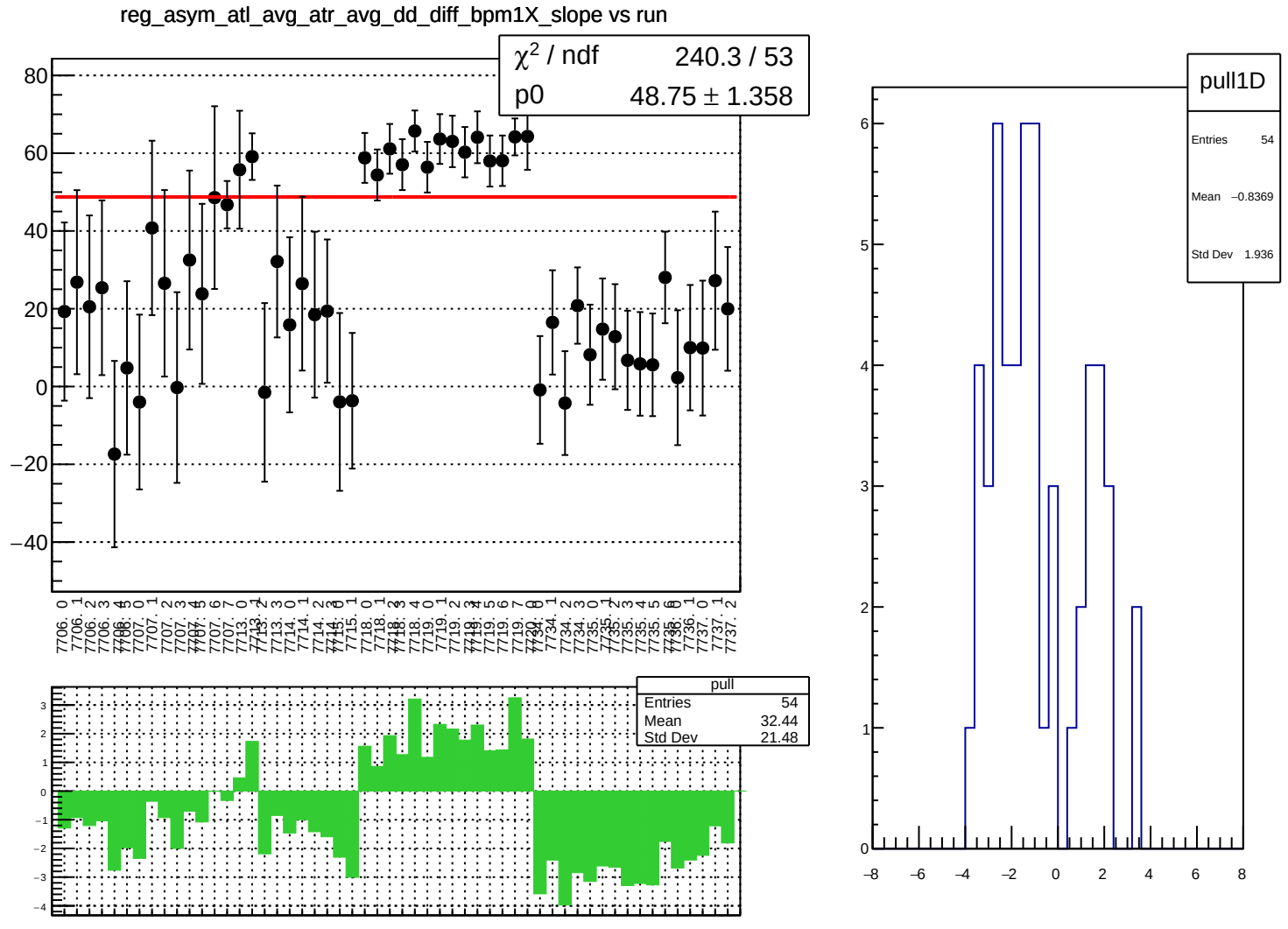

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 589.3 / 53
p0 291.9 ± 3.837
pull
Entries 54
Mean 32.18
Std Dev 20.81

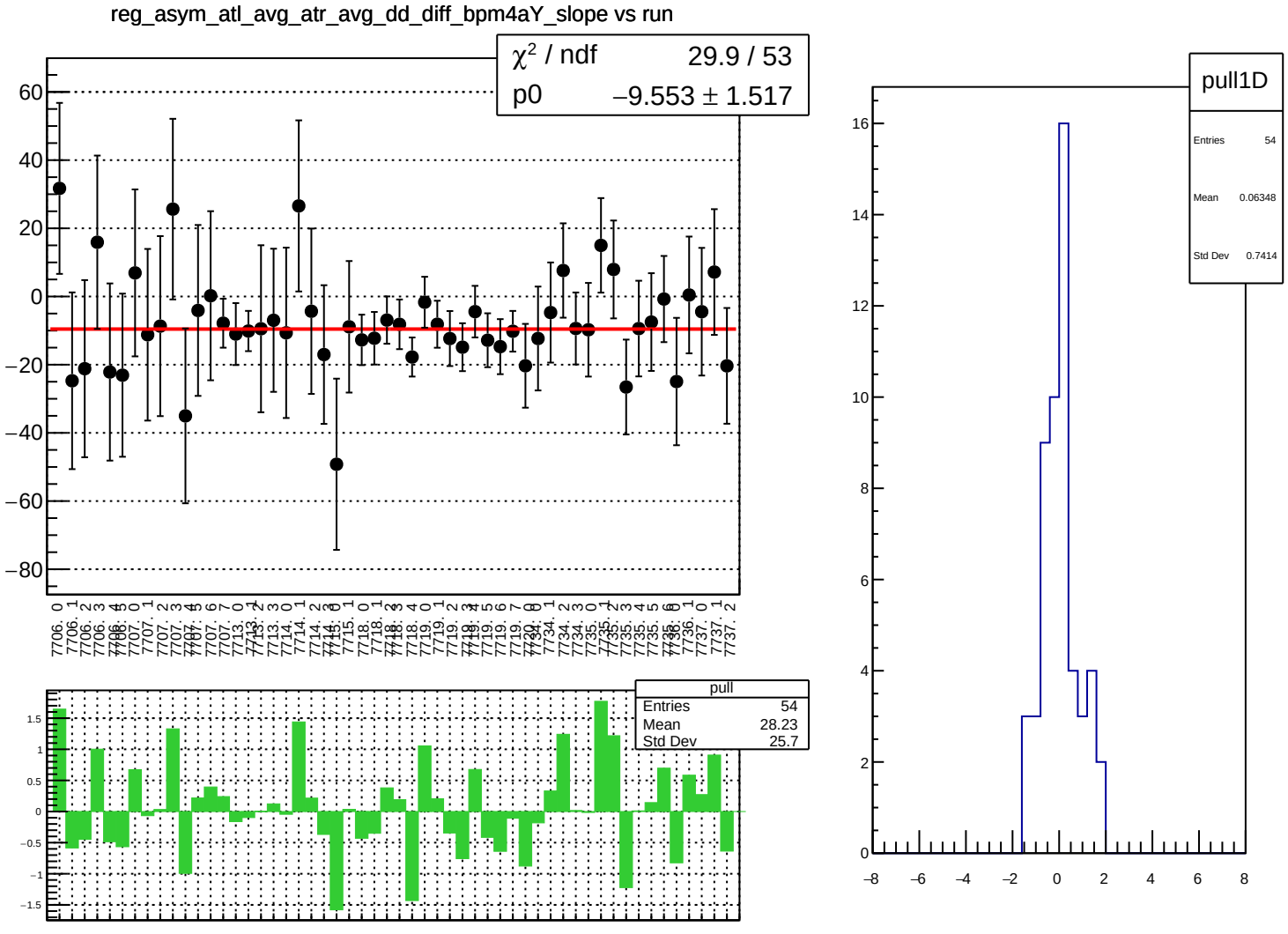

pull1D
Entries 54
Mean −1.533
Std Dev 2.926

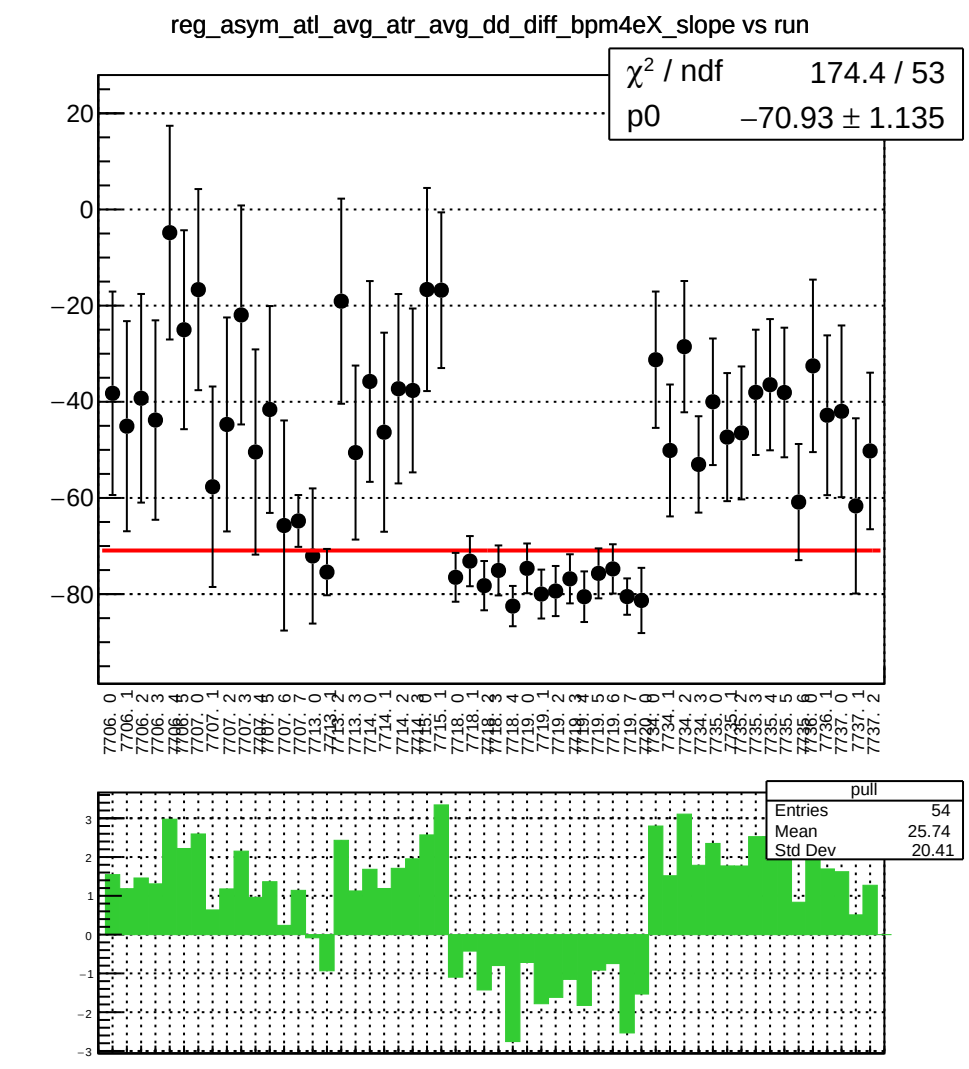

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.411 / 53
p0 10.43 ± 7.812
pull
Entries 54
Mean 44.65
Std Dev 13.21

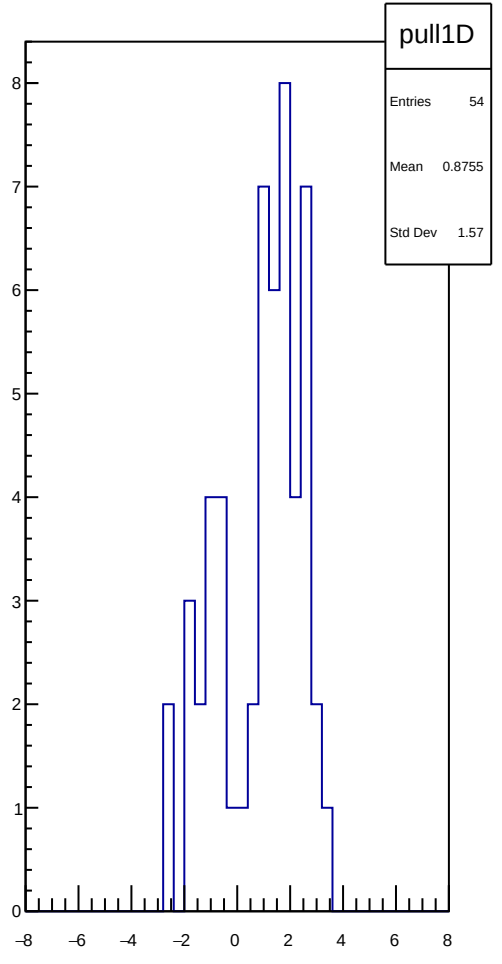

pull1D
Entries 54
Mean −0.1044
Std Dev 0.3554

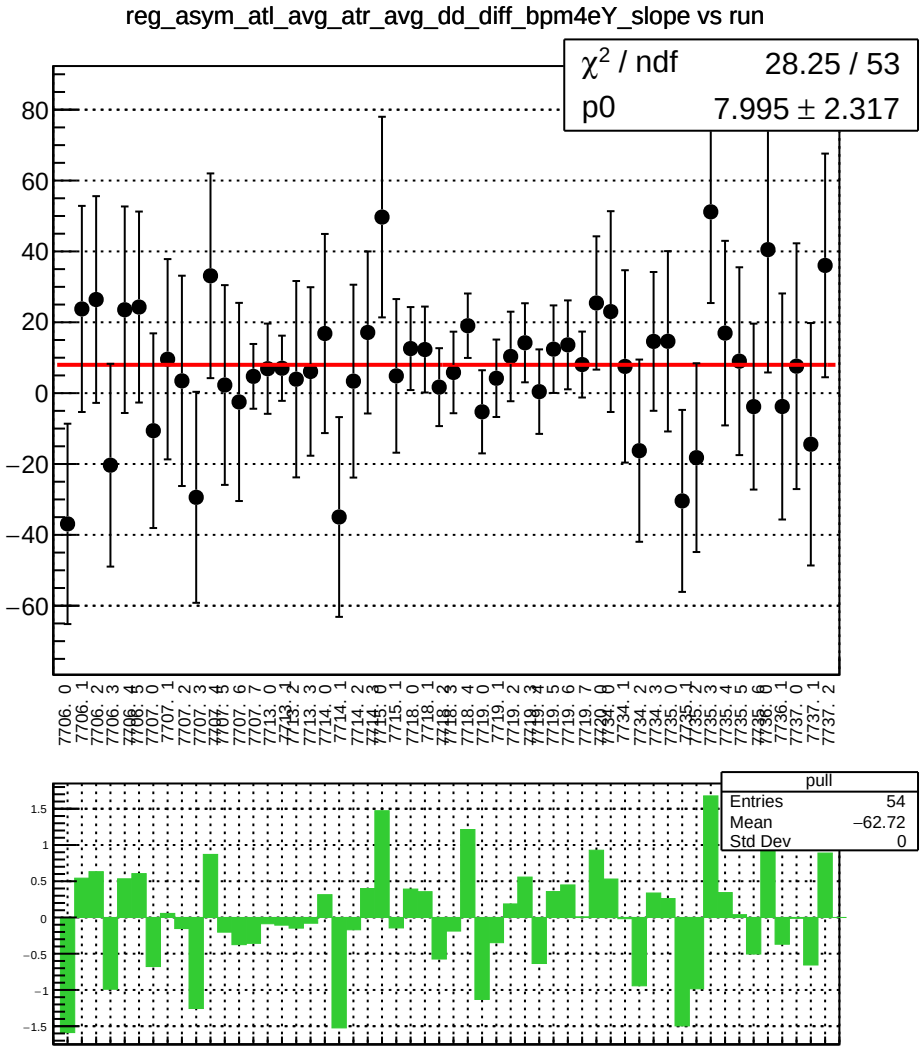

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 594.7 / 53
p0 −142.4 ± 0.3555
pull
Entries 54
Mean 17.15
Std Dev 0
pull1D
Entries 54
Mean −0.2021
Std Dev 3.312

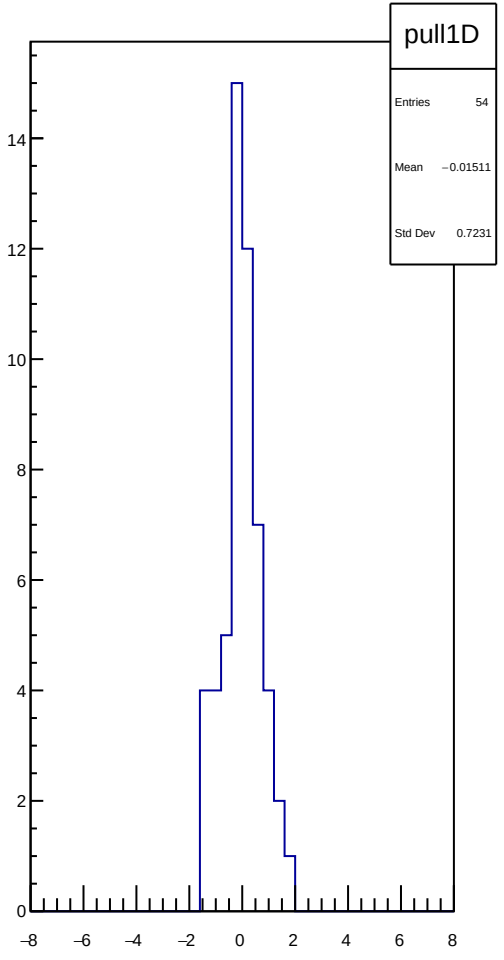

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 240.3 / 53
p0 48.75 ± 1.358
pull
Entries 54
Mean 32.44
Std Dev 21.48
pull1D
Entries 54
Mean −0.8369
Std Dev 1.936

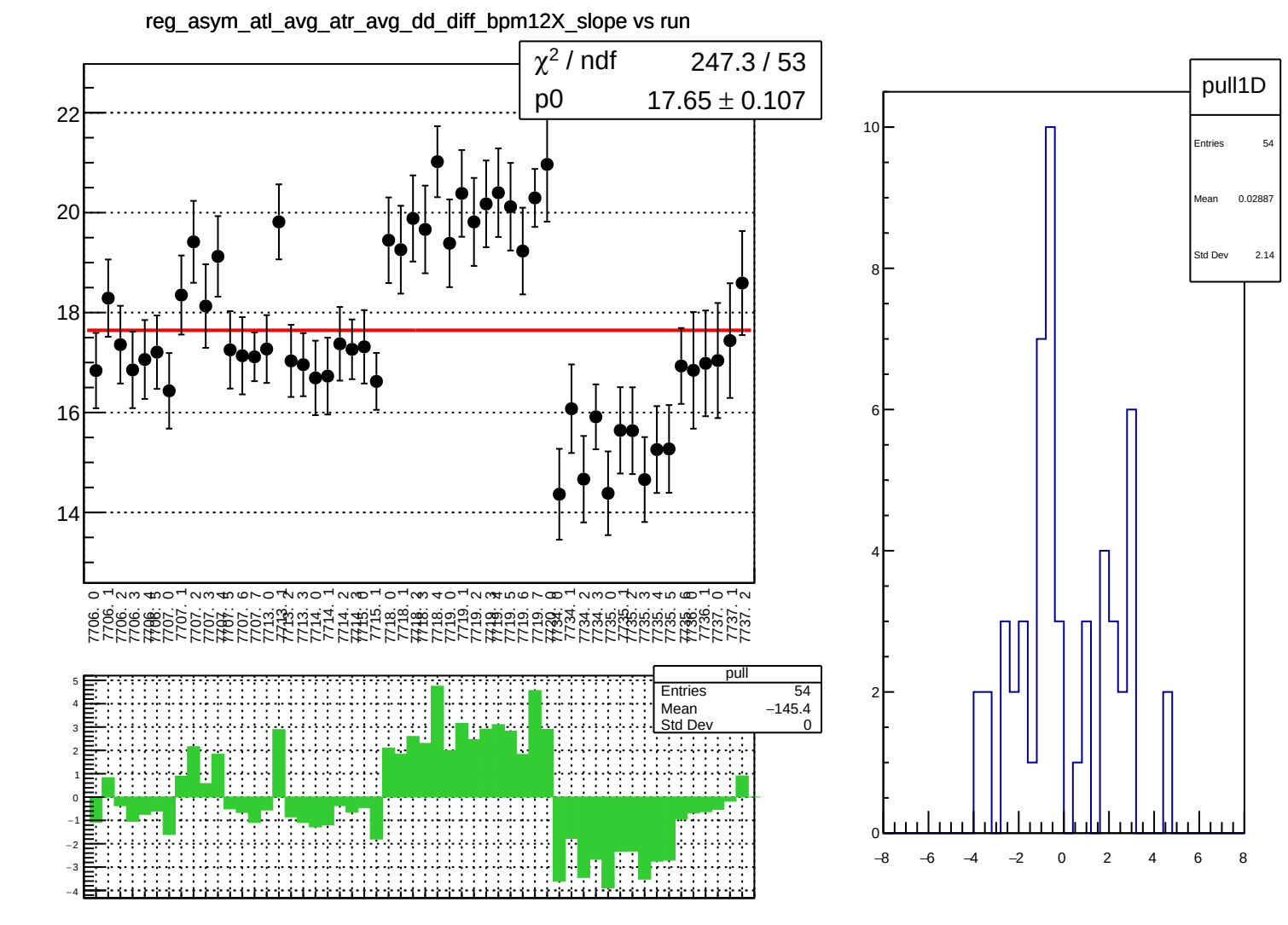

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.9 / 53
p0 −9.553 ± 1.517
pull
Entries 54
Mean 28.23
Std Dev 25.7
pull1D
Entries 54
Mean 0.06348
Std Dev 0.7414

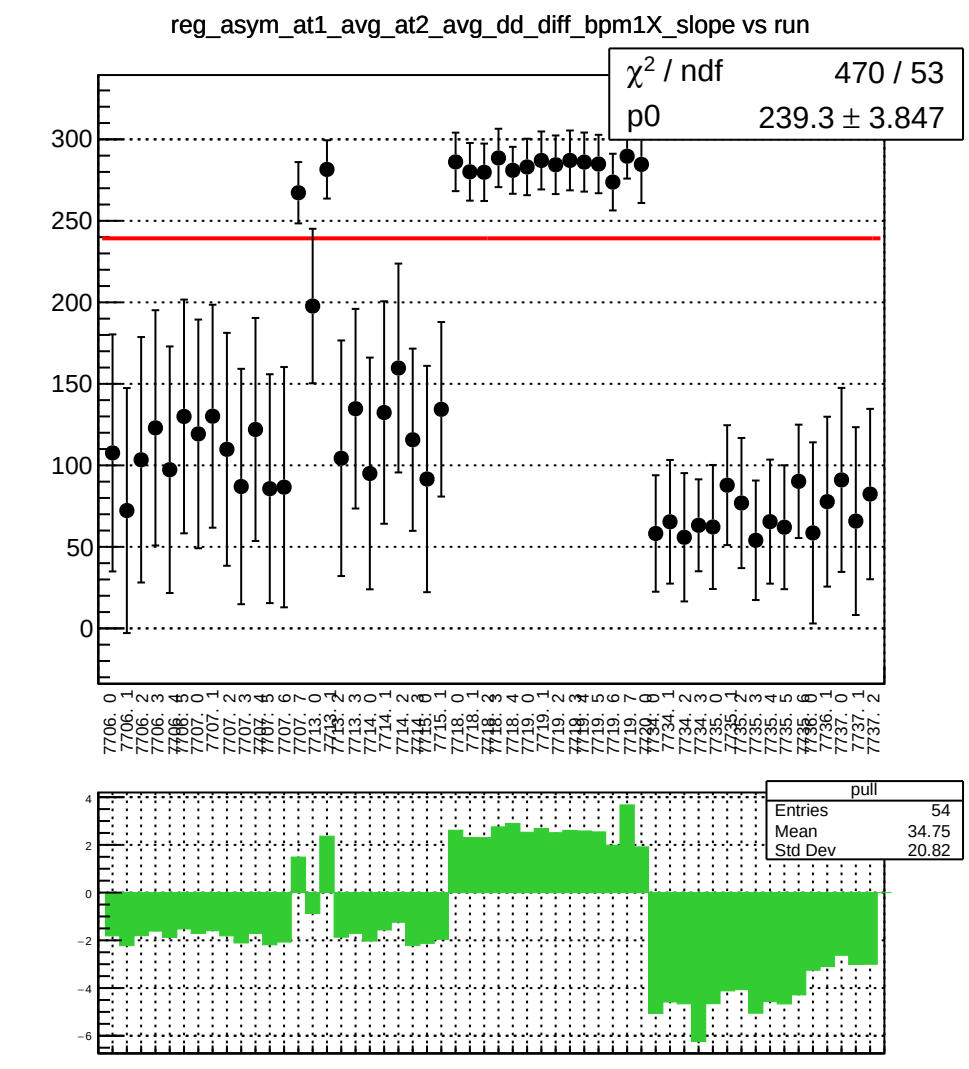

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 174.4 / 53
p0 −70.93 ± 1.135
pull
Entries 54
Mean 25.74
Std Dev 20.41

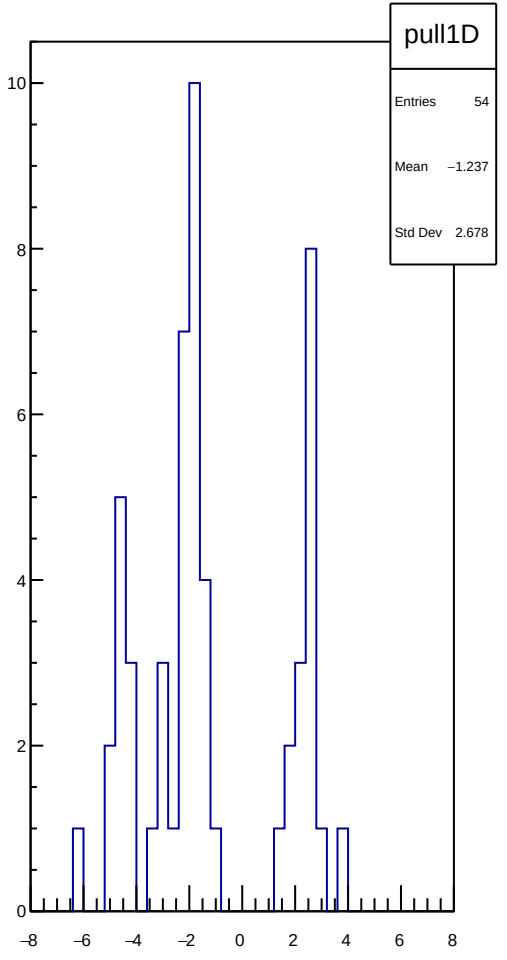

pull1D
Entries 54
Mean 0.8755
Std Dev 1.57

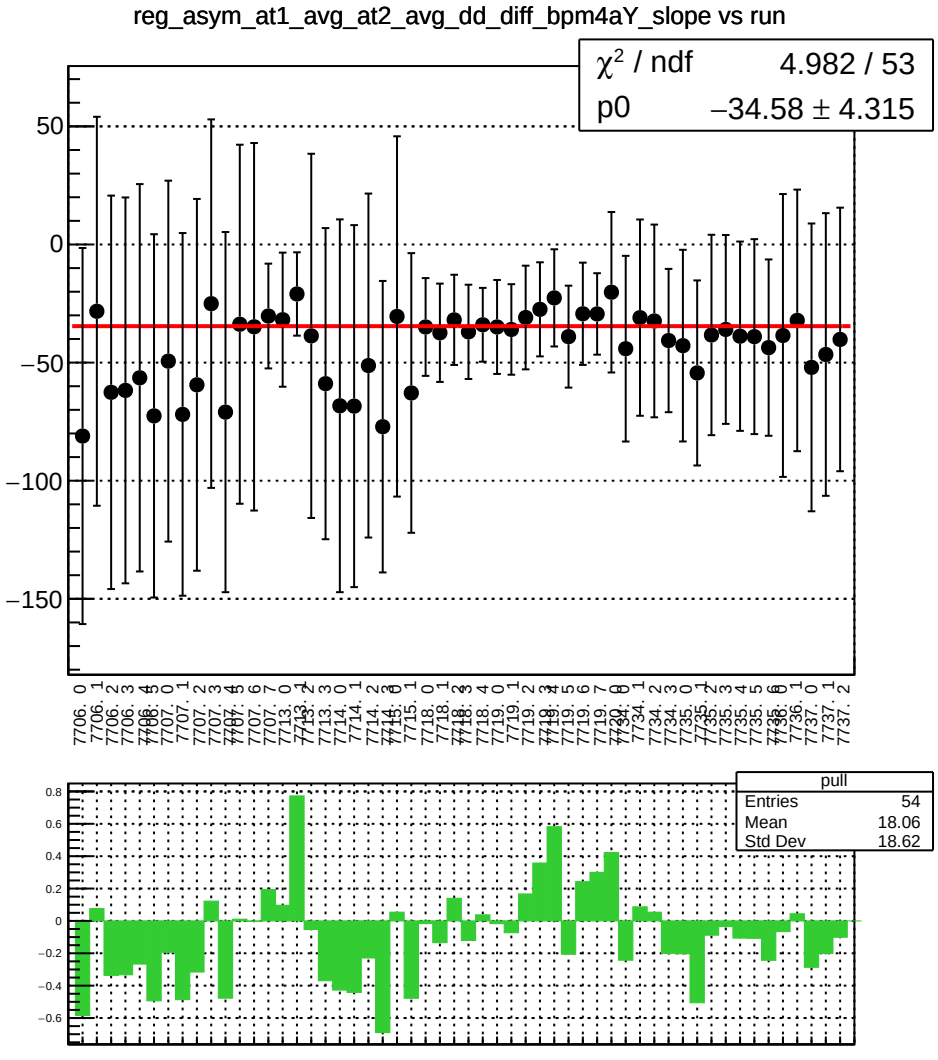

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.25 / 53
p0 7.995 ± 2.317
pull
Entries 54
Mean −62.72
Std Dev 0

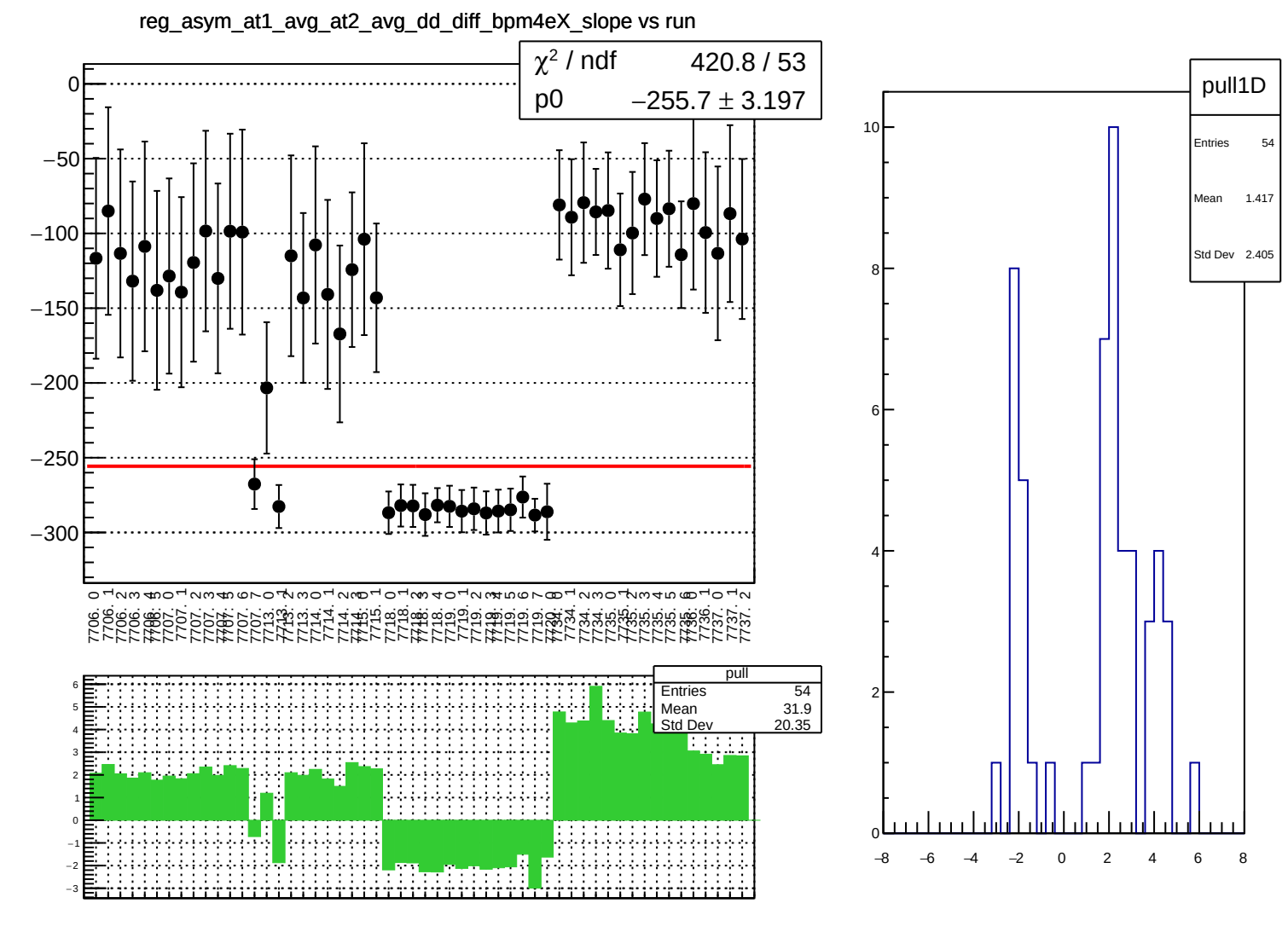

pull1D
Entries 54
Mean −0.01511
Std Dev 0.7231

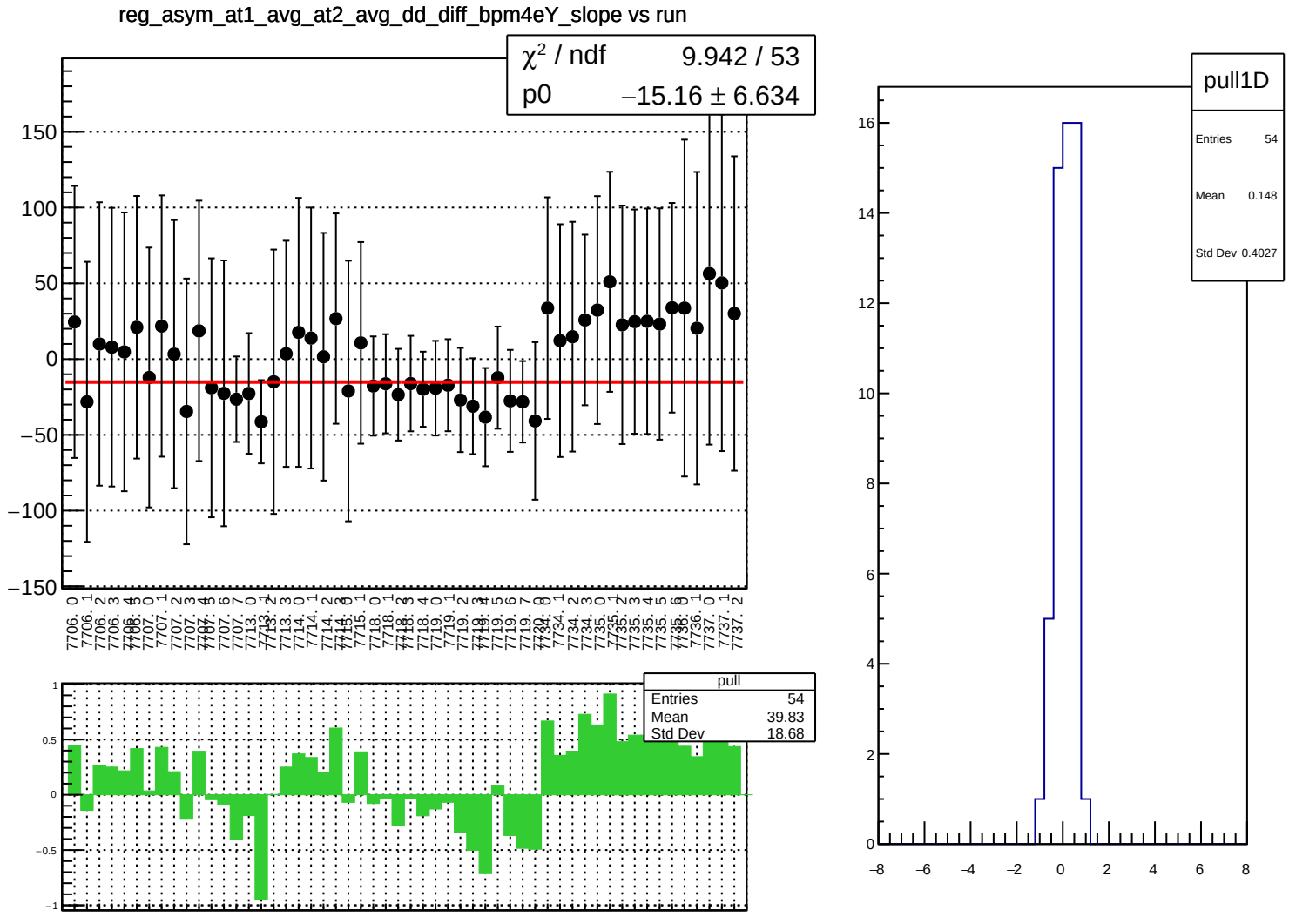

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 247.3 / 53
p0 17.65 ± 0.107
22
20
18
16
14
pull
Entries 54
Mean −145.4
Std Dev 0
pull1D
Entries 54
Mean 0.02887
Std Dev 2.14

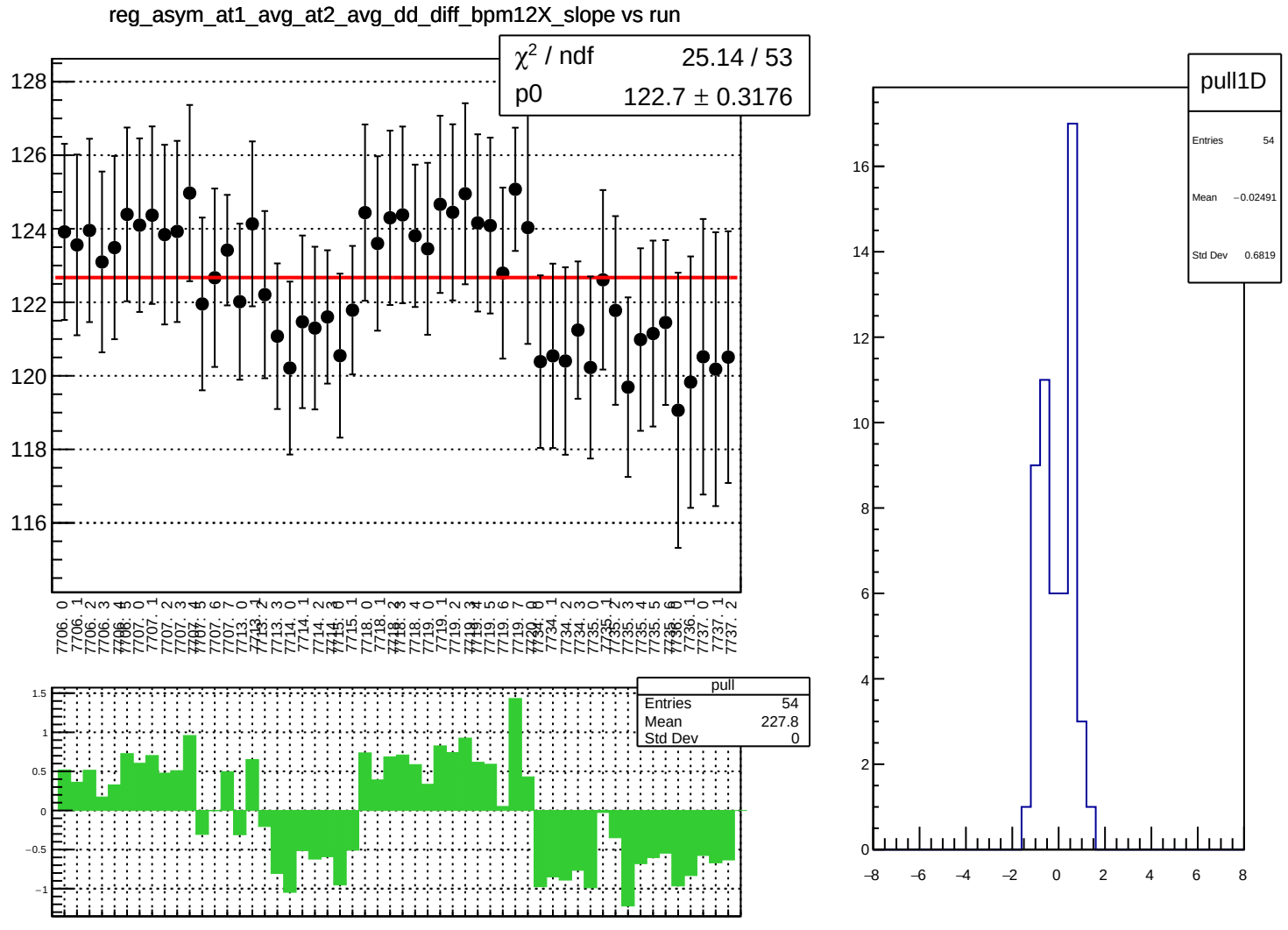

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 470 / 53
p0 239.3 ± 3.847
pull
Entries 54
Mean 34.75
Std Dev 20.82

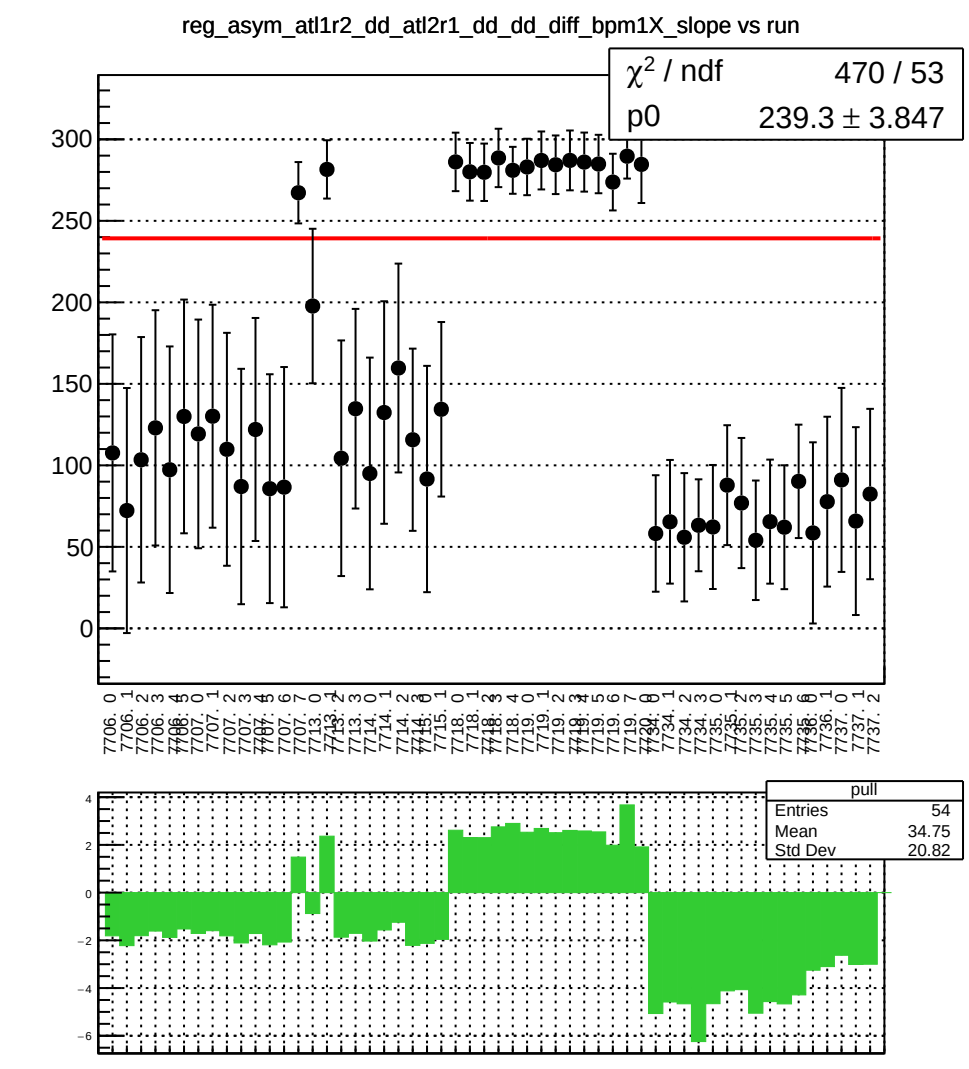

pull1D
Entries 54
Mean −1.237
Std Dev 2.678

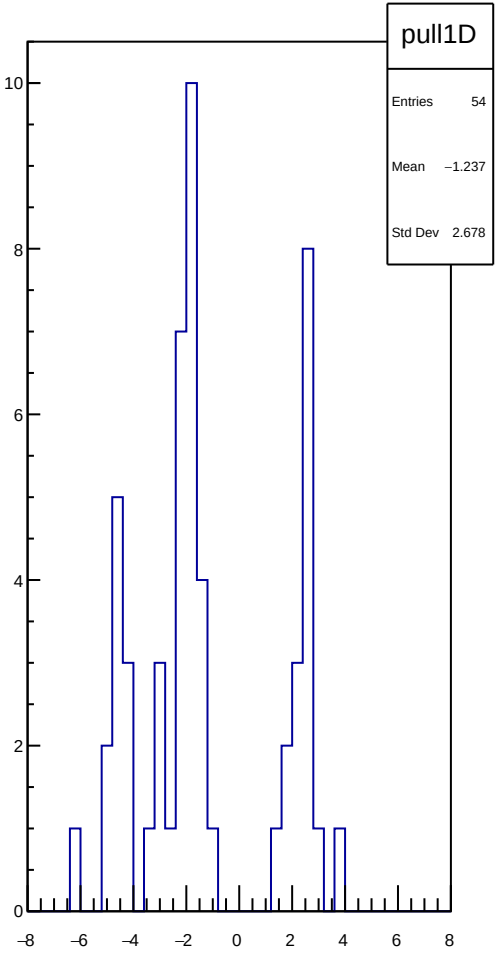

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 53
p0 −34.58 ± 4.315
pull
Entries 54
Mean 18.06
Std Dev 18.62
pull1D
Entries 54
Mean −0.09948
Std Dev 0.287

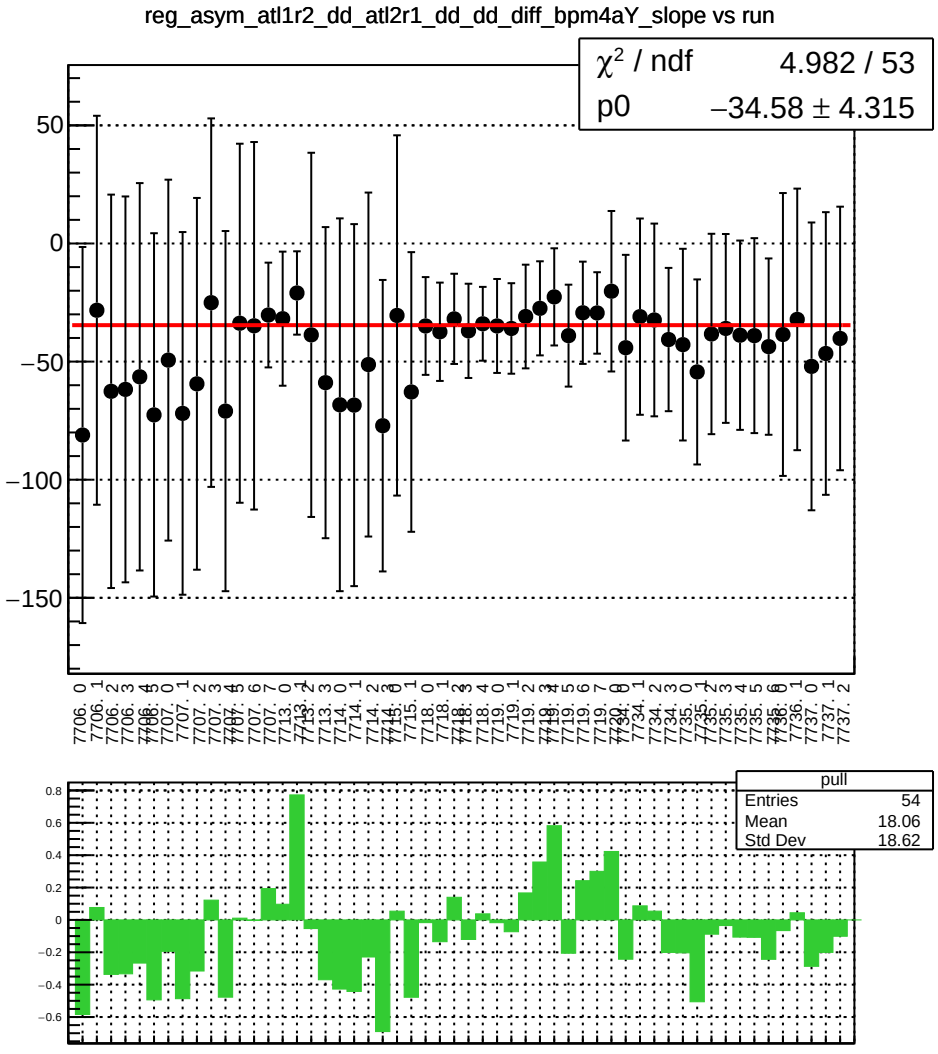

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 420.8 / 53
p0 −255.7 ± 3.197
pull
Entries 54
Mean 31.9
Std Dev 20.35
pull1D
Entries 54
Mean 1.417
Std Dev 2.405

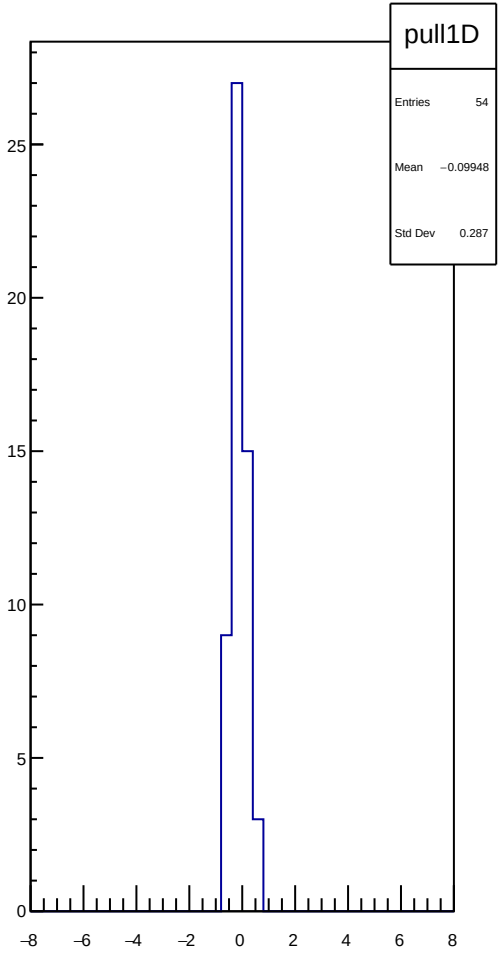

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.942 / 53
p0 −15.16 ± 6.634
pull
Entries 54
Mean 39.83
Std Dev 18.68
pull1D
Entries 54
Mean 0.148
Std Dev 0.4027

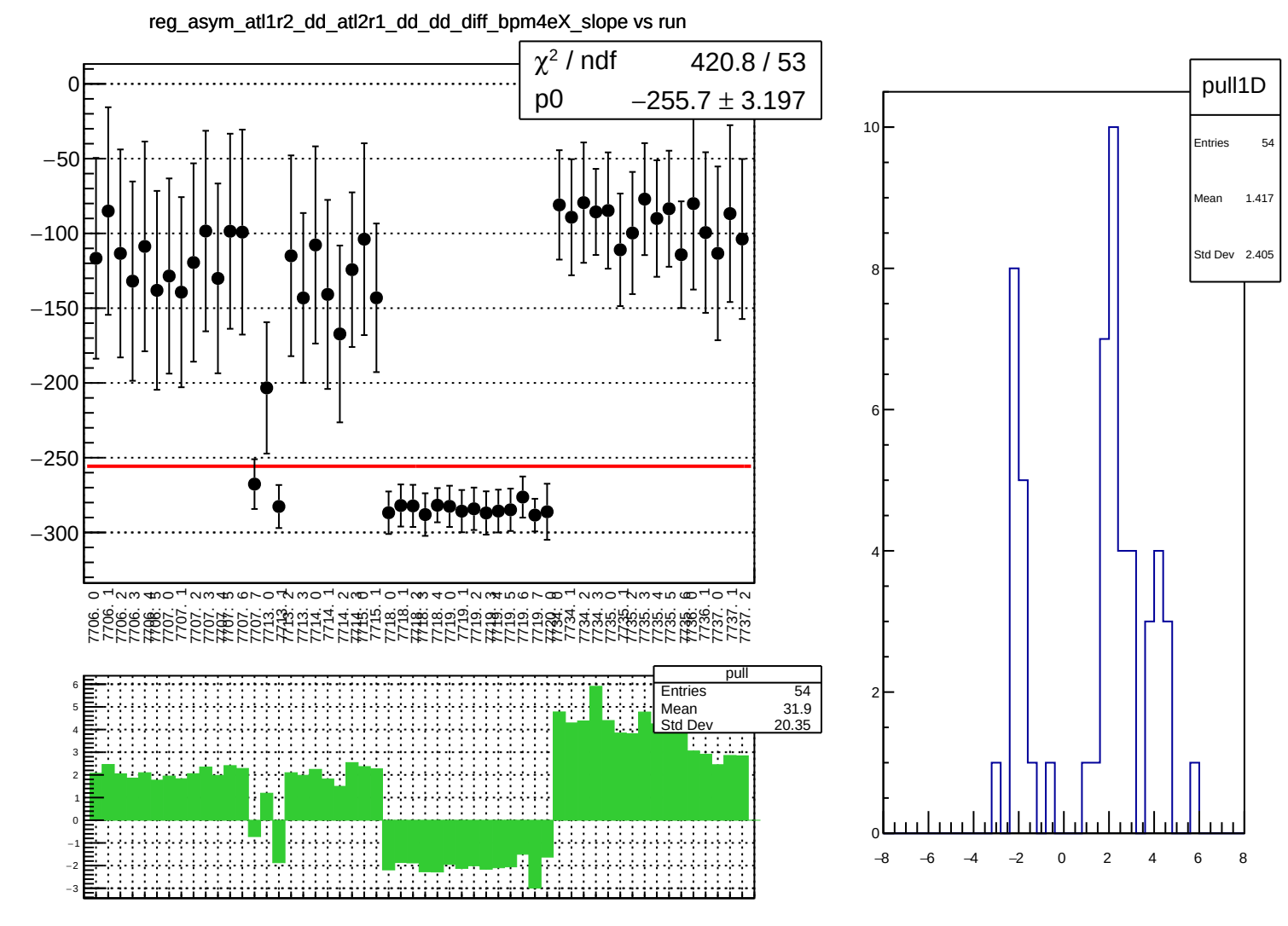

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 25.14 / 53
p0 122.7 ± 0.3176
pull
Entries 54
Mean 227.8
Std Dev 0
pull1D
Entries 54
Mean −0.02491
Std Dev 0.6819

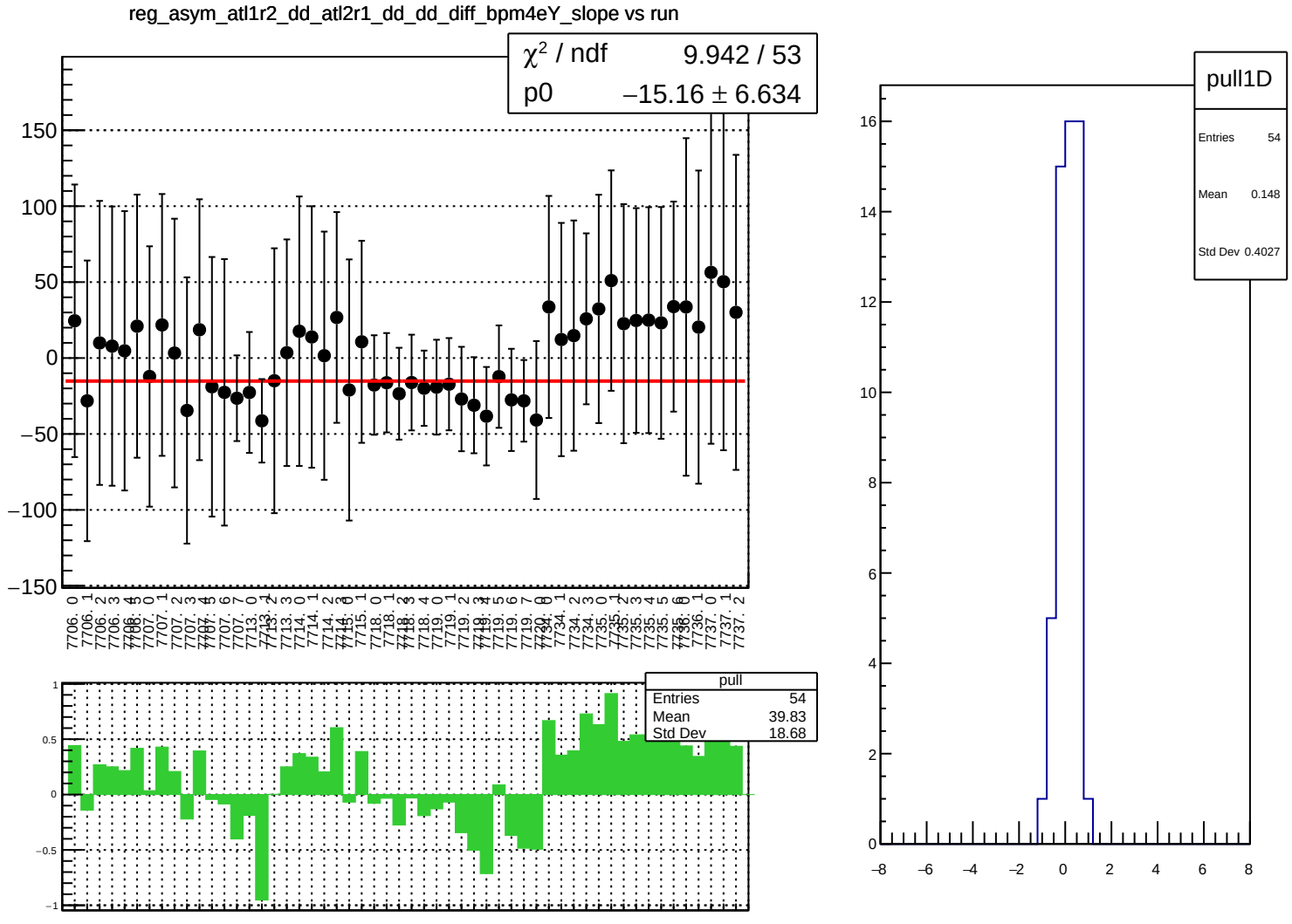

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 470 / 53
p0 239.3 ± 3.847
pull
Entries 54
Mean 34.75
Std Dev 20.82

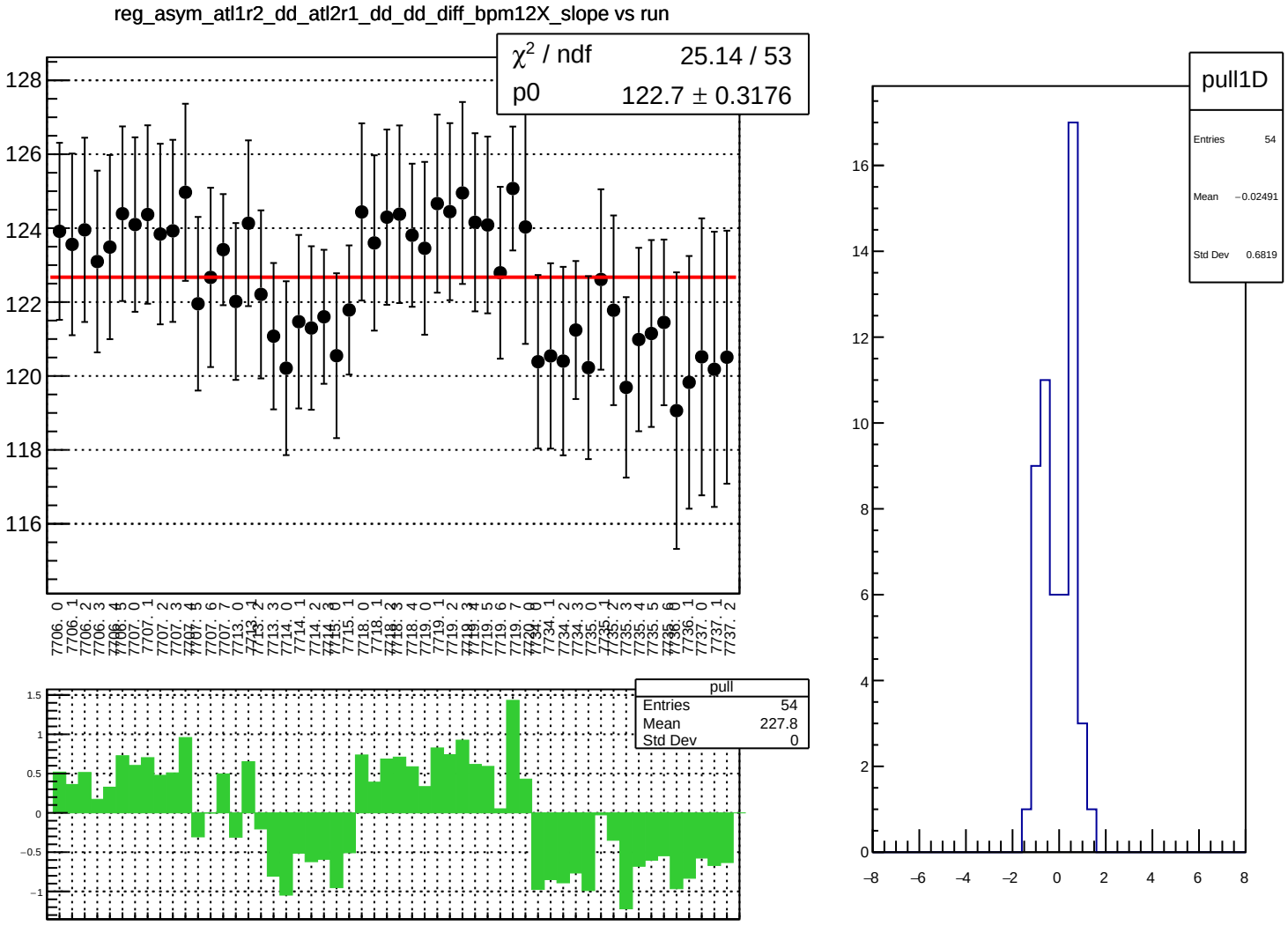

pull1D
Entries 54
Mean −1.237
Std Dev 2.678

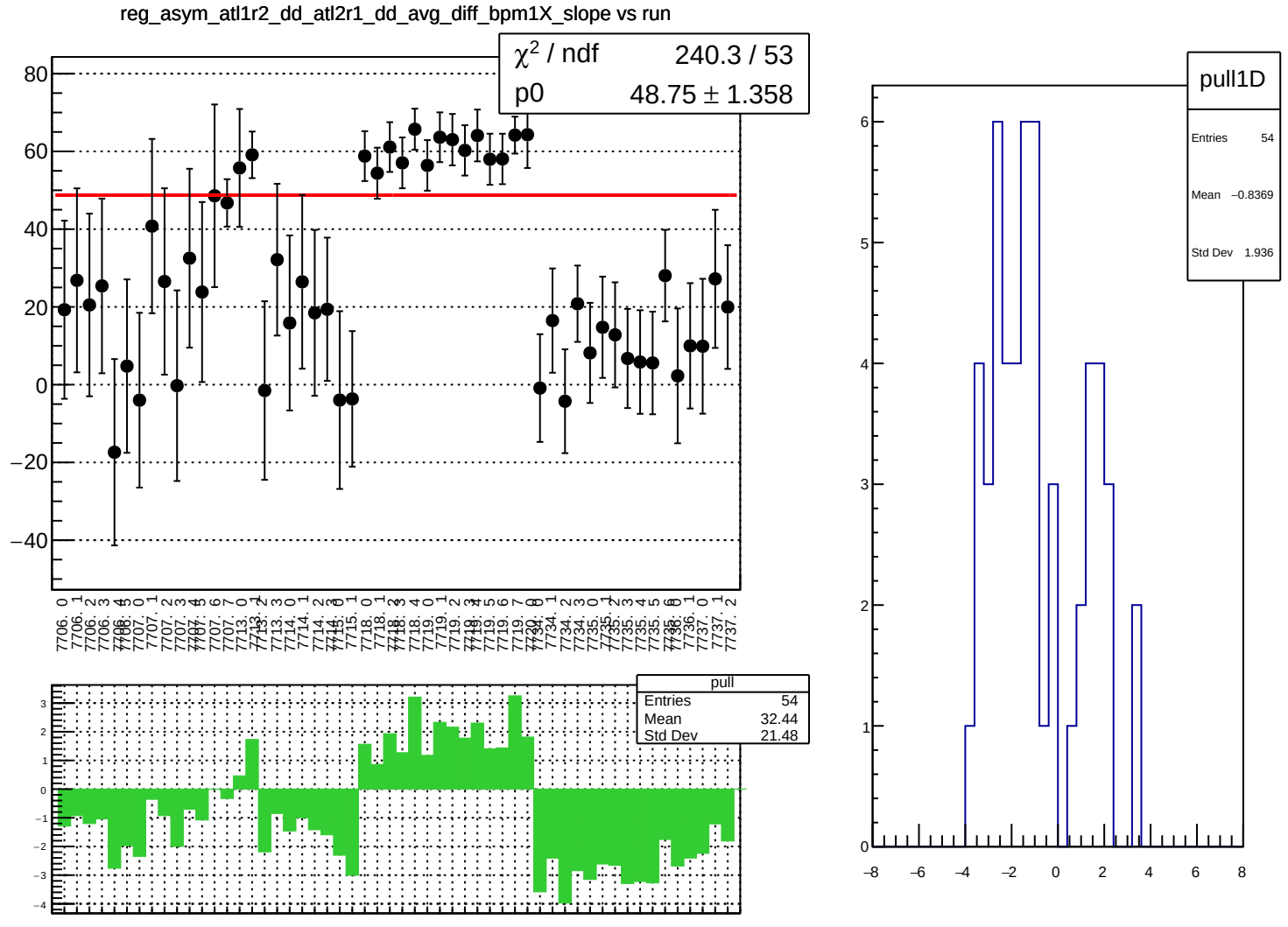

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 53
p0 −34.58 ± 4.315
pull
Entries 54
Mean 18.06
Std Dev 18.62

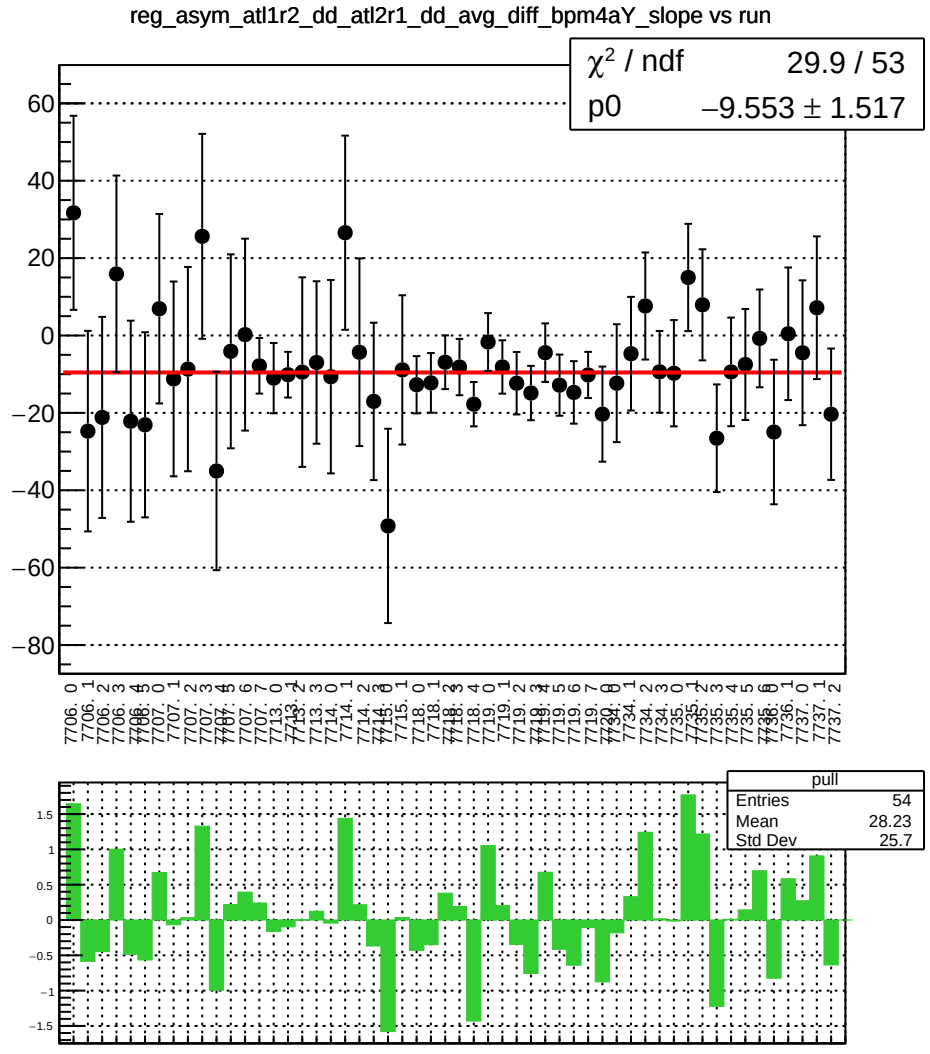

pull1D
Entries 54
Mean −0.09948
Std Dev 0.287

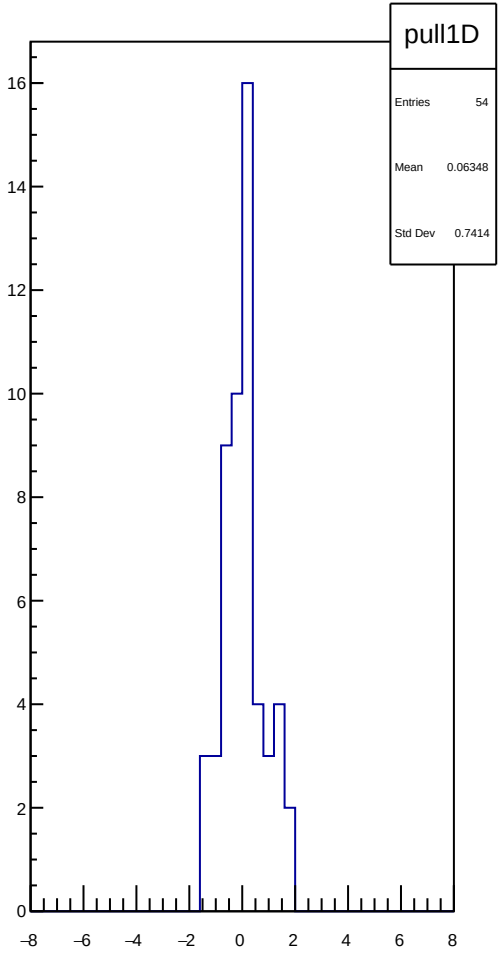

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 420.8 / 53
p0 −255.7 ± 3.197
pull
Entries 54
Mean 31.9
Std Dev 20.35
pull1D
Entries 54
Mean 1.417
Std Dev 2.405

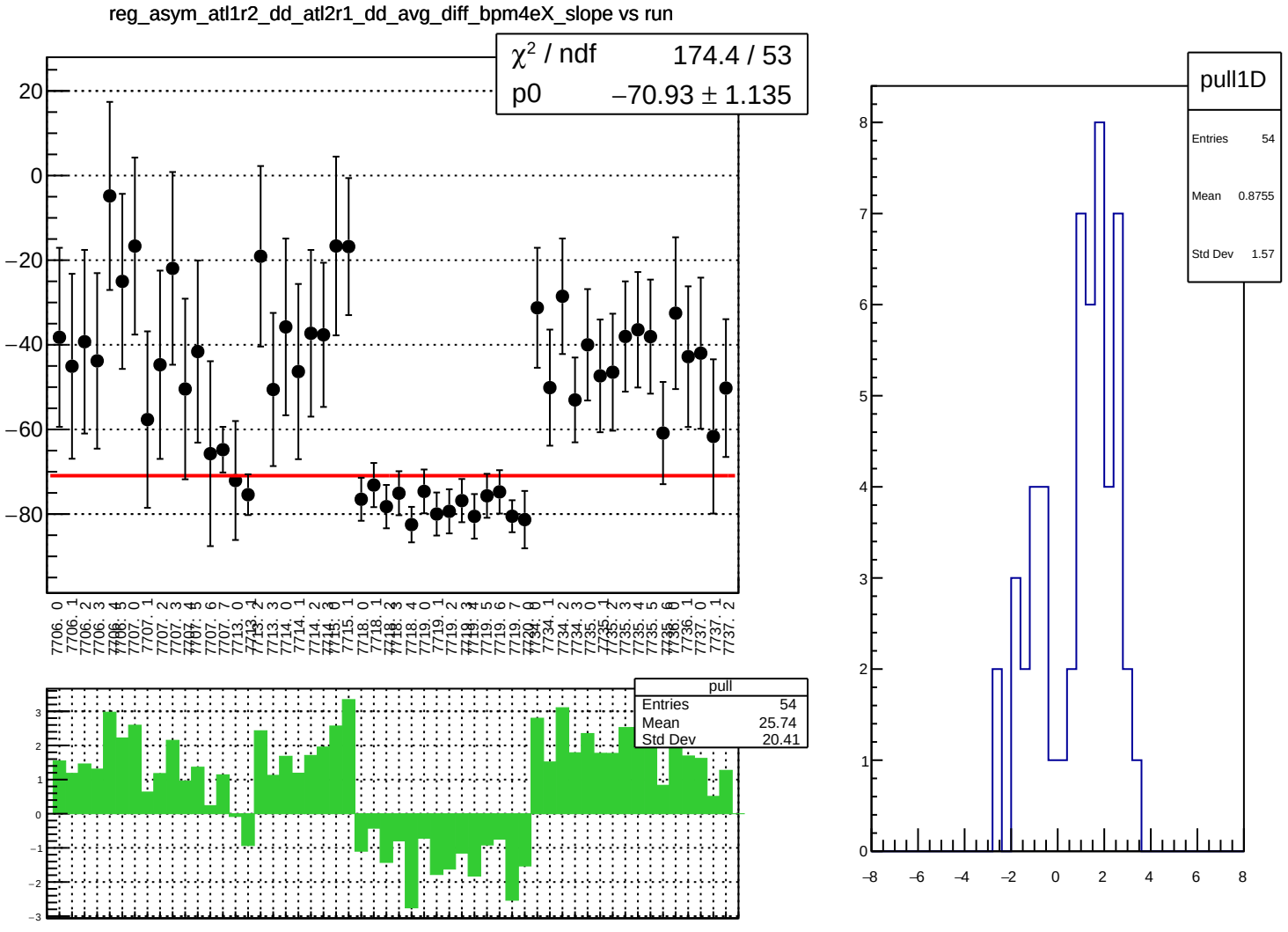

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.942 / 53
p0 −15.16 ± 6.634
pull
Entries 54
Mean 39.83
Std Dev 18.68
pull1D
Entries 54
Mean 0.148
Std Dev 0.4027

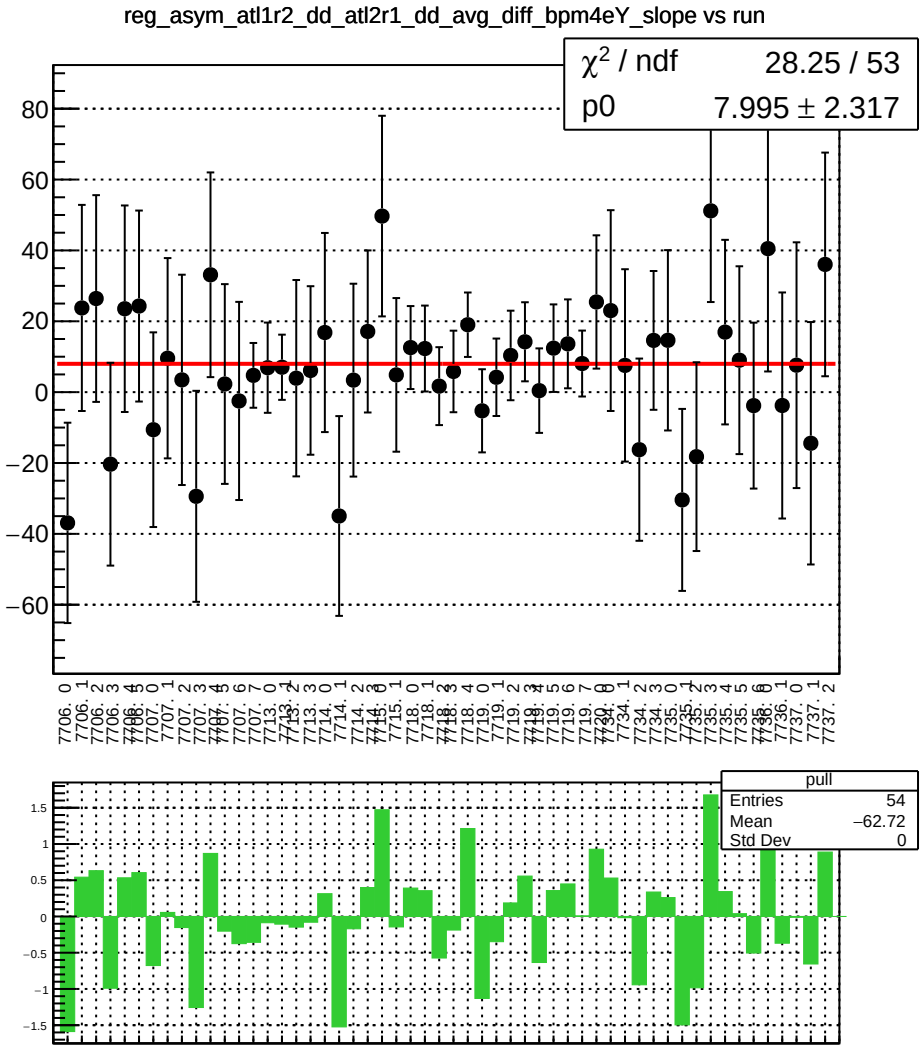

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 25.14 / 53
p0 122.7 ± 0.3176
pull
Entries 54
Mean 227.8
Std Dev 0
pull1D
Entries 54
Mean −0.02491
Std Dev 0.6819

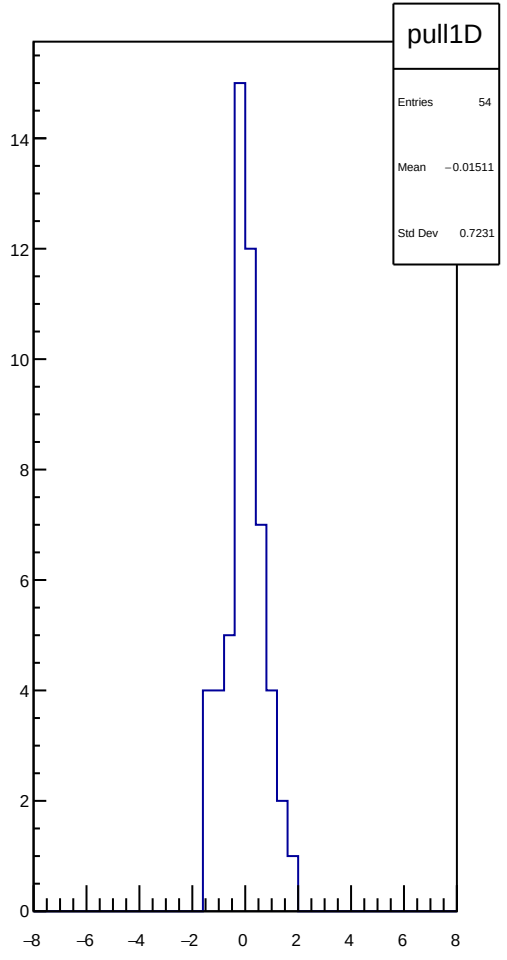

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 240.3 / 53
p0 48.75 ± 1.358
pull
Entries 54
Mean 32.44
Std Dev 21.48
pull1D
Entries 54
Mean −0.8369
Std Dev 1.936

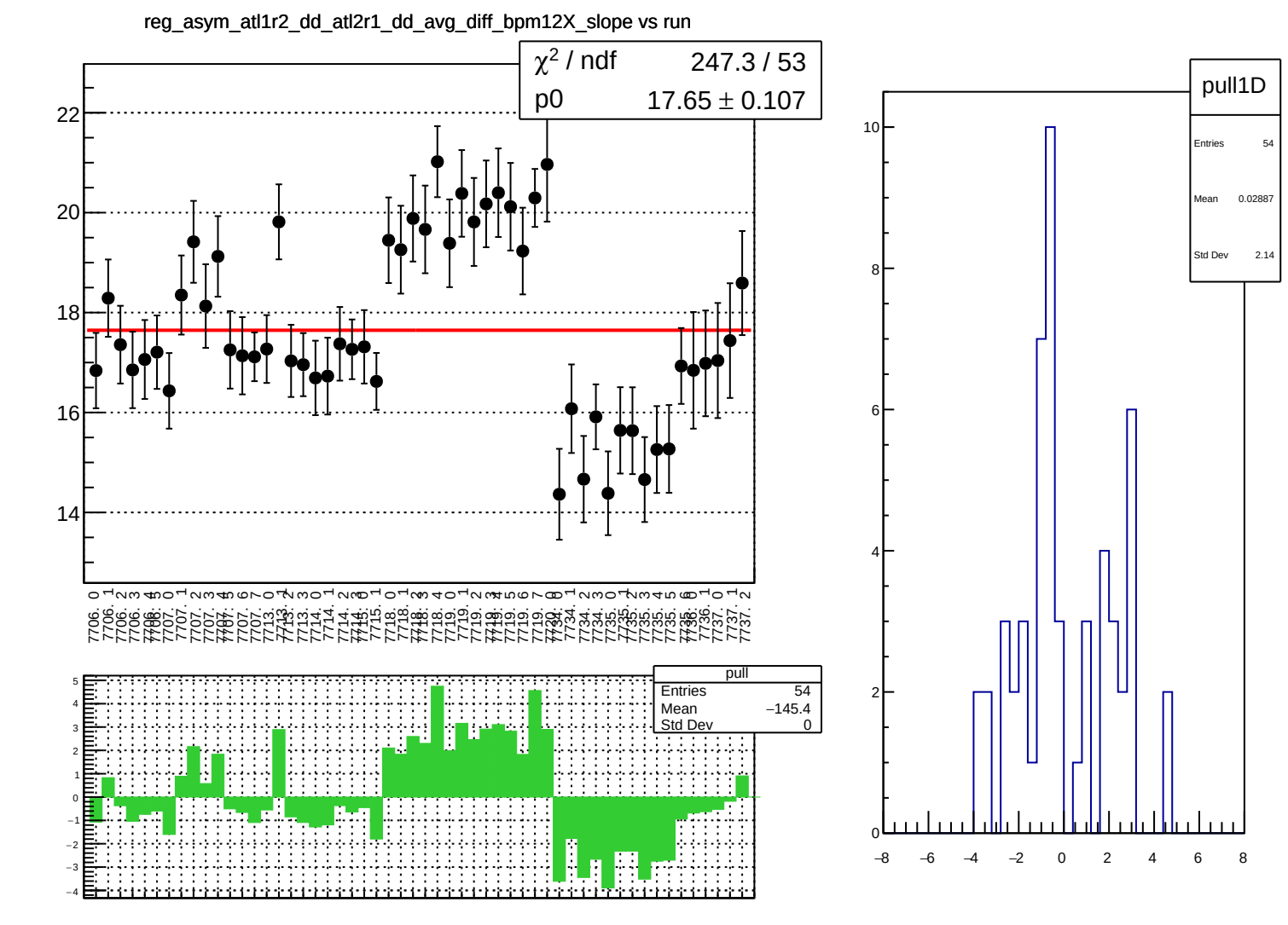

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.9 / 53
p0 −9.553 ± 1.517
pull
Entries 54
Mean 28.23
Std Dev 25.7

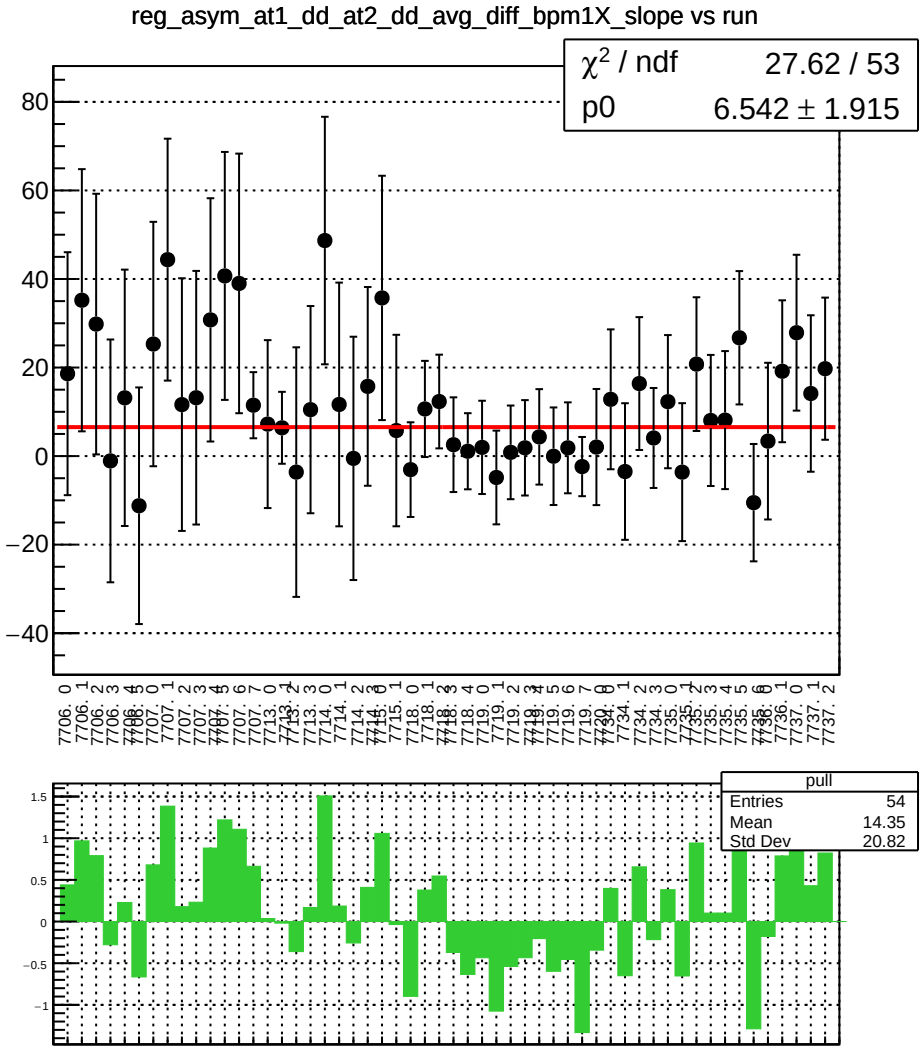

pull1D
Entries 54
Mean 0.06348
Std Dev 0.7414

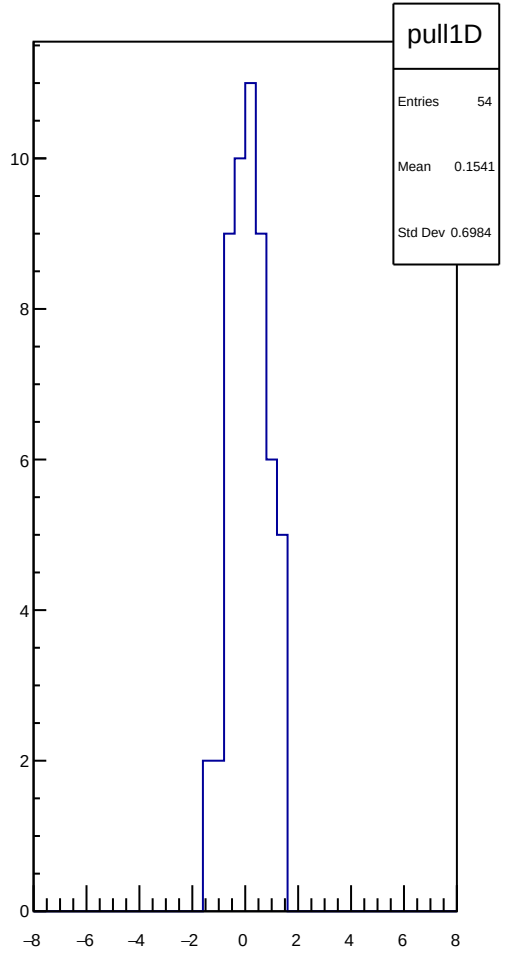

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 174.4 / 53
p0 −70.93 ± 1.135
pull
Entries 54
Mean 25.74
Std Dev 20.41
pull1D
Entries 54
Mean 0.8755
Std Dev 1.57

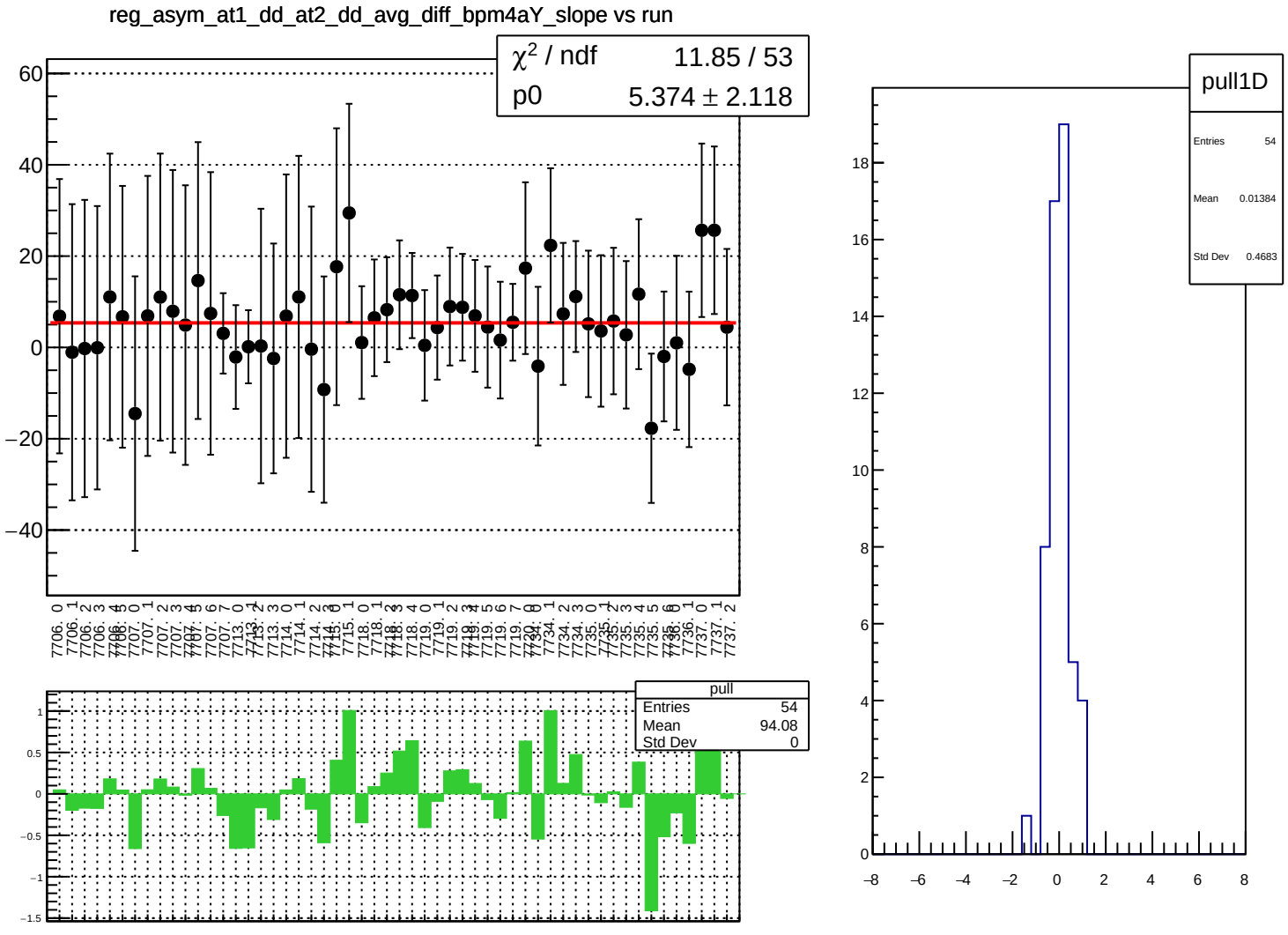

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.25 / 53
p0 7.995 ± 2.317
pull
Entries 54
Mean −62.72
Std Dev 0

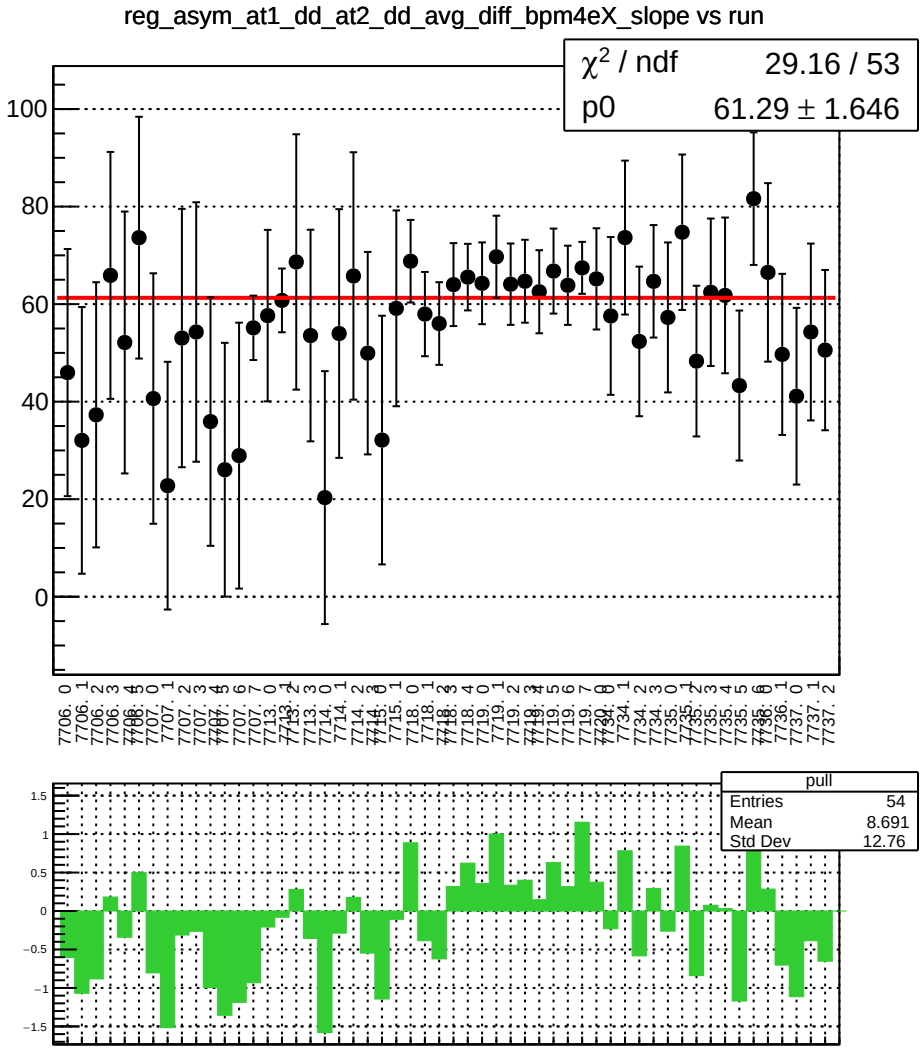

pull1D
Entries 54
Mean −0.01511
Std Dev 0.7231

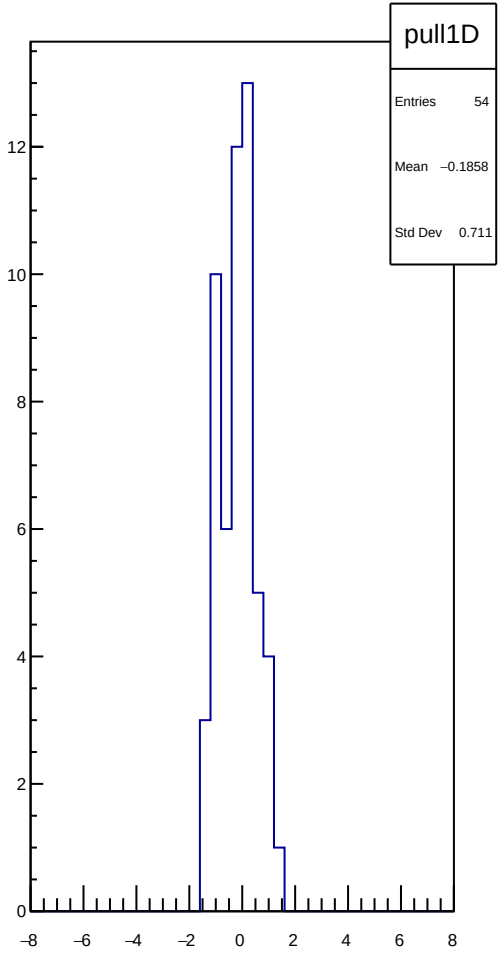

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 247.3 / 53
p0 17.65 ± 0.107
pull
Entries 54
Mean −145.4
Std Dev 0
pull1D
Entries 54
Mean 0.02887
Std Dev 2.14

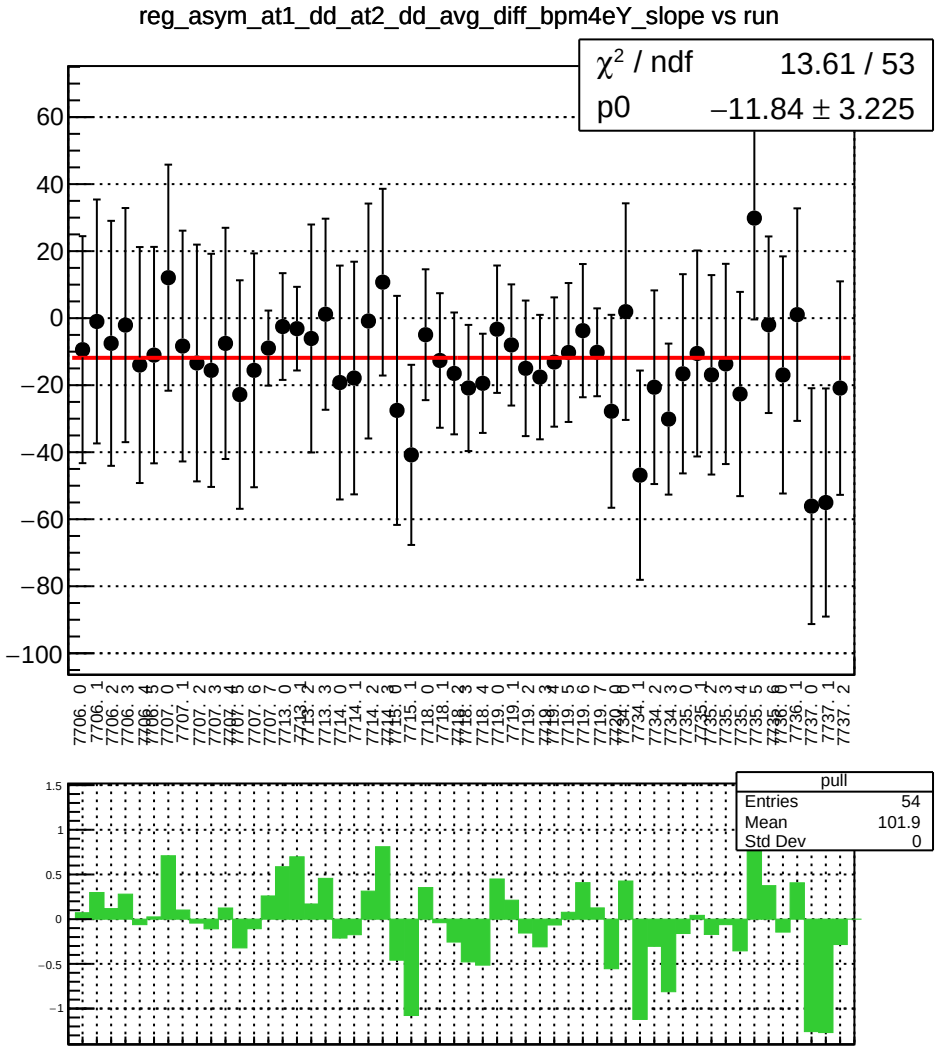

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 27.62 / 53
p0 6.542 ± 1.915
pull
Entries 54
Mean 14.35
Std Dev 20.82

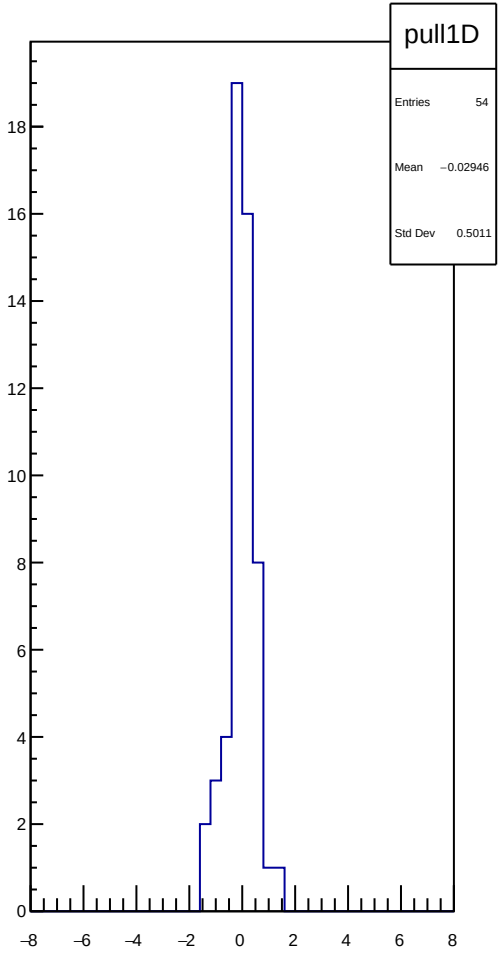

pull1D
Entries 54
Mean 0.1541
Std Dev 0.6984

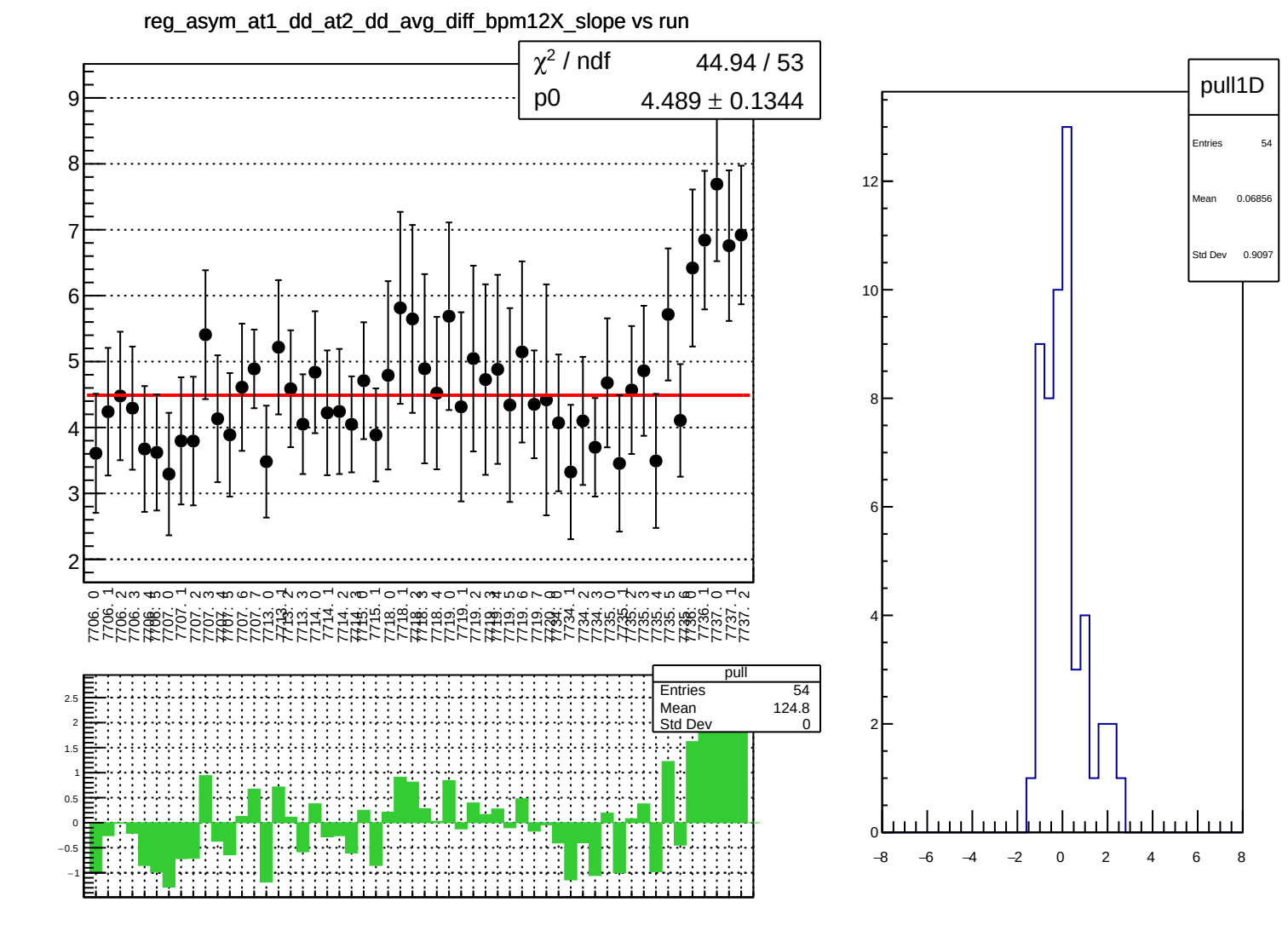

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.85 / 53
p0 5.374 ± 2.118
pull
Entries 54
Mean 94.08
Std Dev 0
pull1D
Entries 54
Mean 0.01384
Std Dev 0.4683

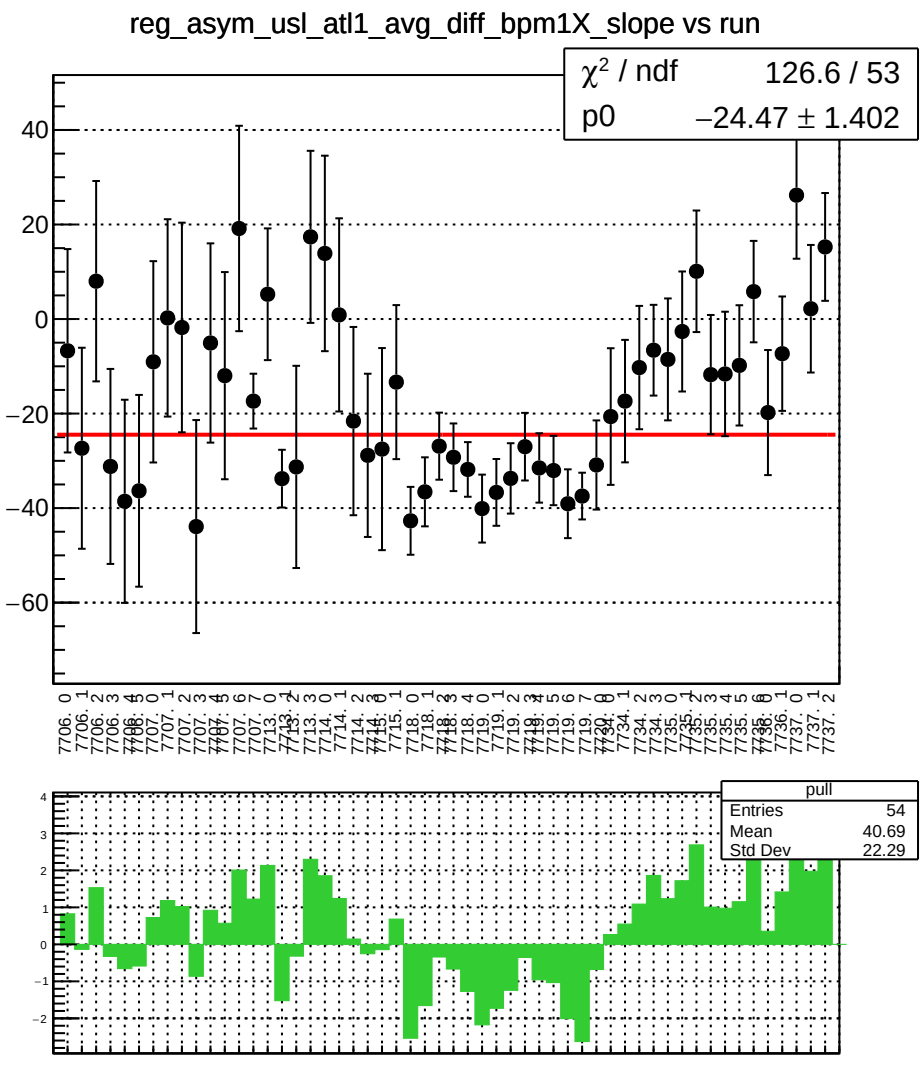

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.16 / 53
p0 61.29 ± 1.646
pull
Entries 54
Mean 8.691
Std Dev 12.76

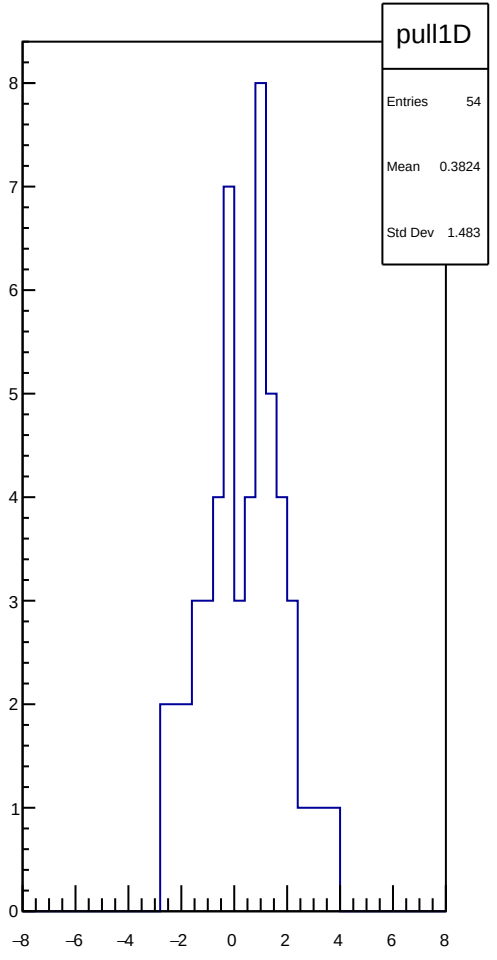

pull1D
Entries 54
Mean −0.1858
Std Dev 0.711

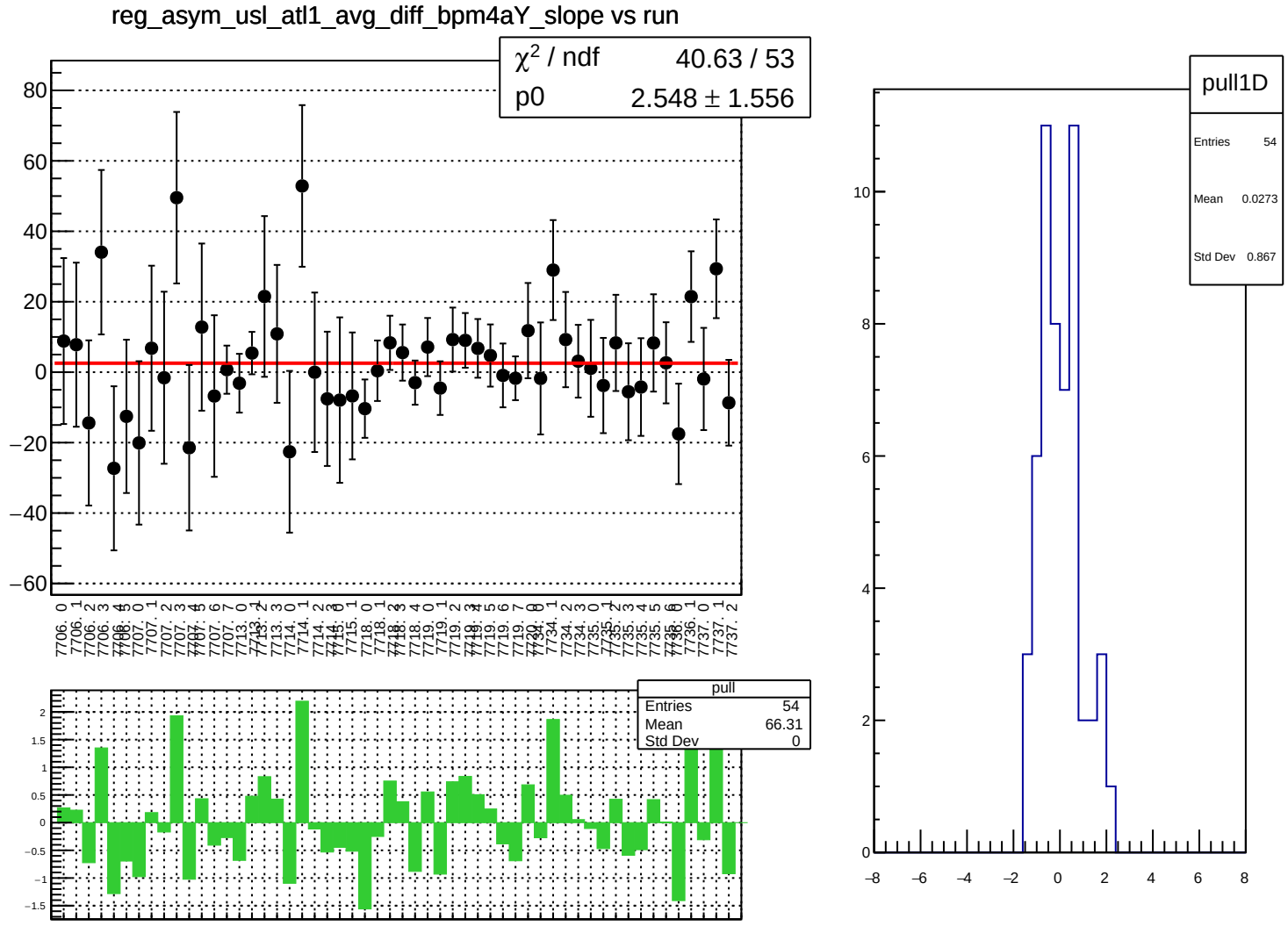

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.61 / 53
p0 −11.84 ± 3.225
pull
Entries 54
Mean 101.9
Std Dev 0

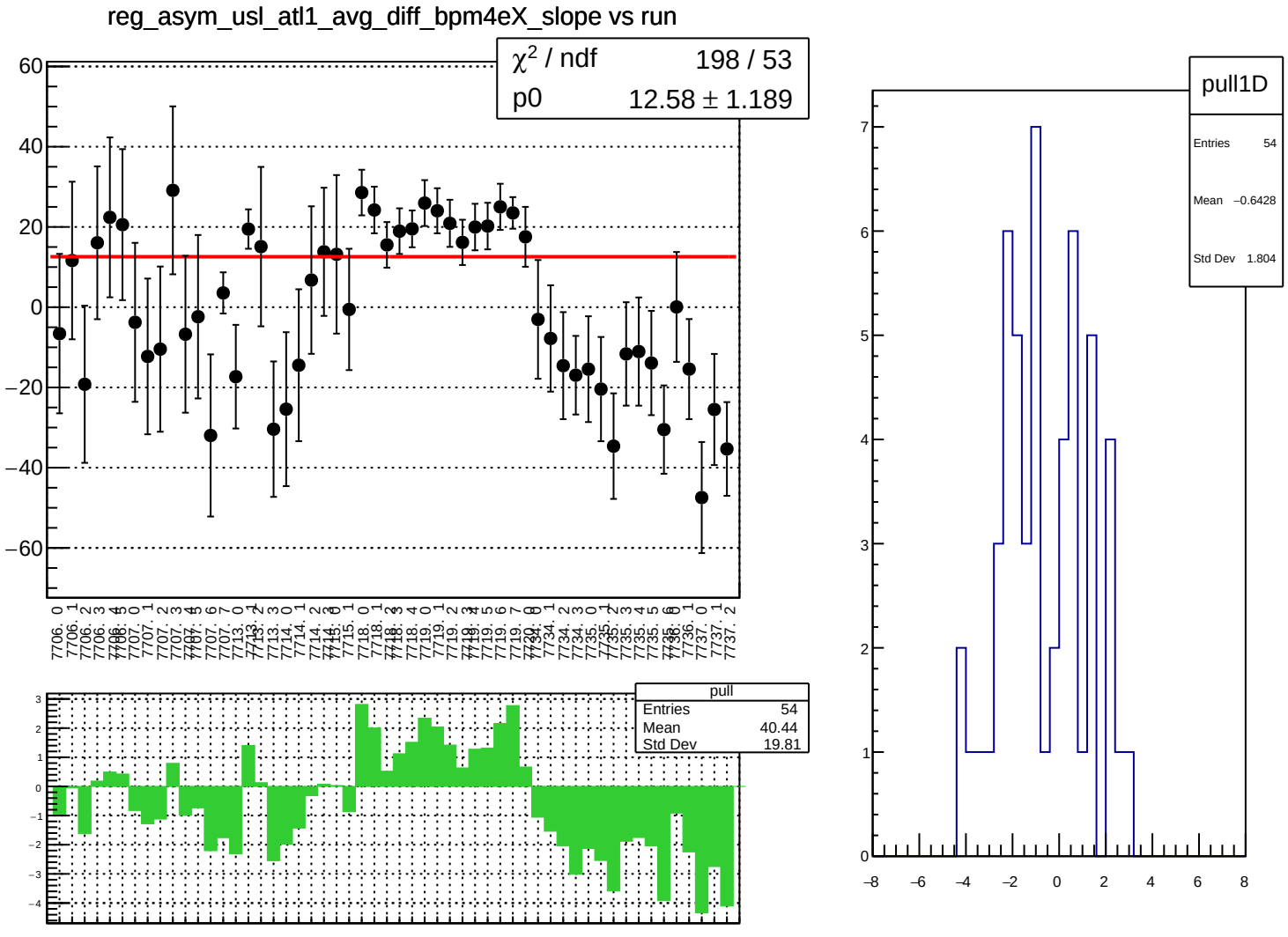

pull1D
Entries 54
Mean −0.02946
Std Dev 0.5011

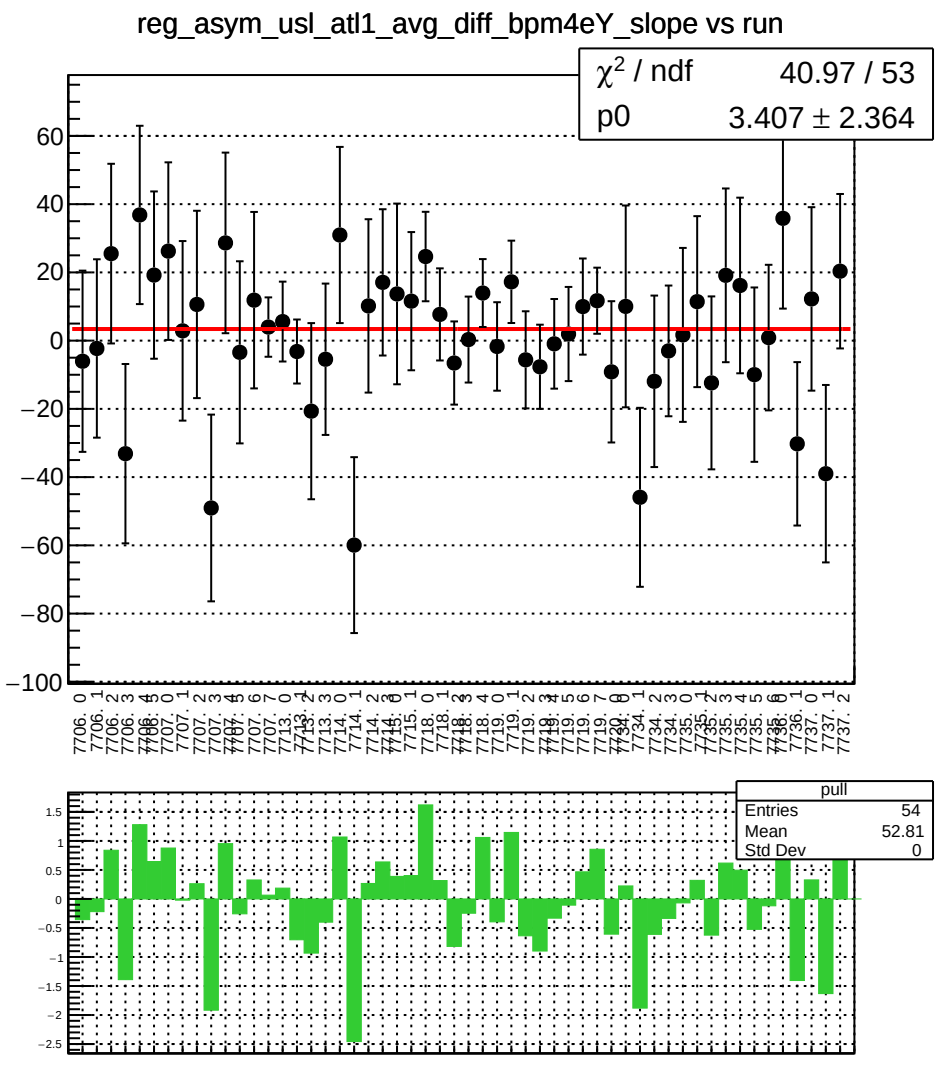

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 44.94 / 53
p0 4.489 ± 0.1344
pull
Entries 54
Mean 124.8
Std Dev 0
pull1D
Entries 54
Mean 0.06856
Std Dev 0.9097

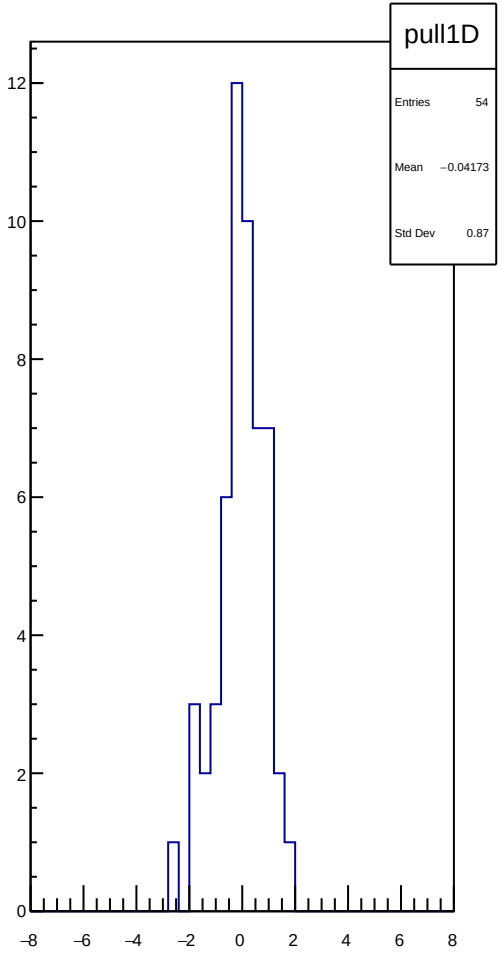

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 126.6 / 53
p0 −24.47 ± 1.402
pull
Entries 54
Mean 40.69
Std Dev 22.29

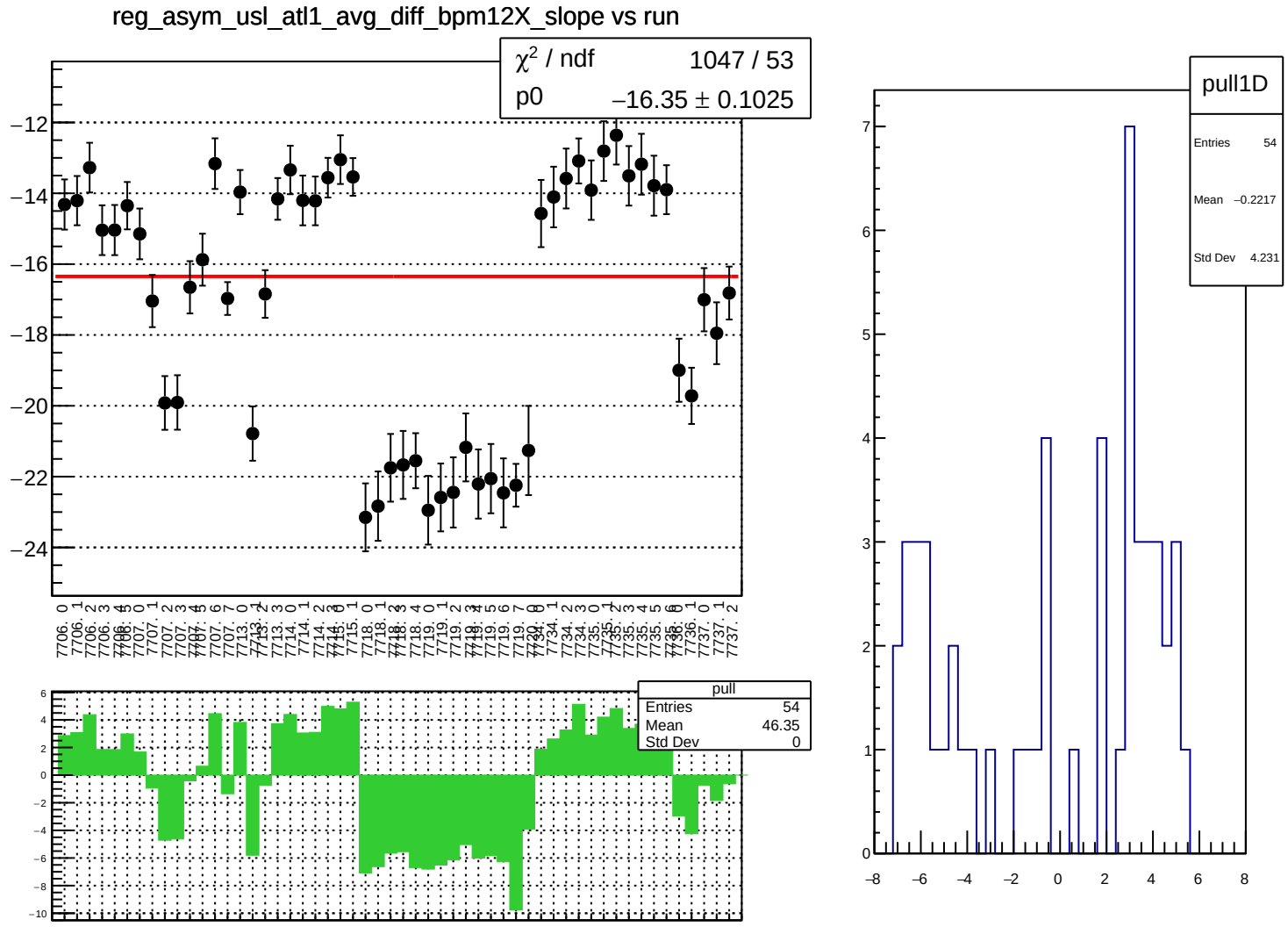

pull1D
Entries 54
Mean 0.3824
Std Dev 1.483

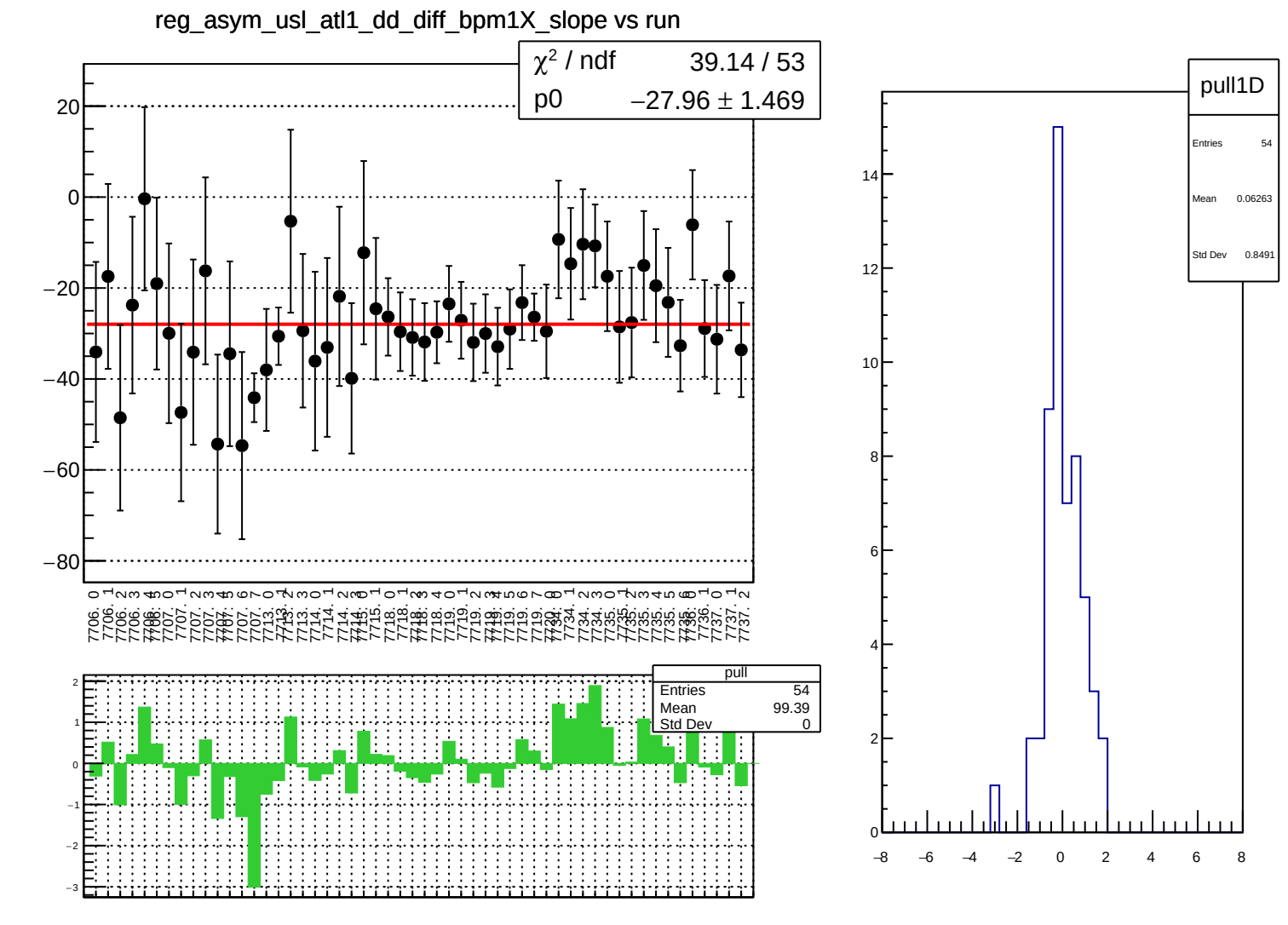

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.63 / 53
p0 2.548 ± 1.556
pull
Entries 54
Mean 66.31
Std Dev 0
pull1D
Entries 54
Mean 0.0273
Std Dev 0.867

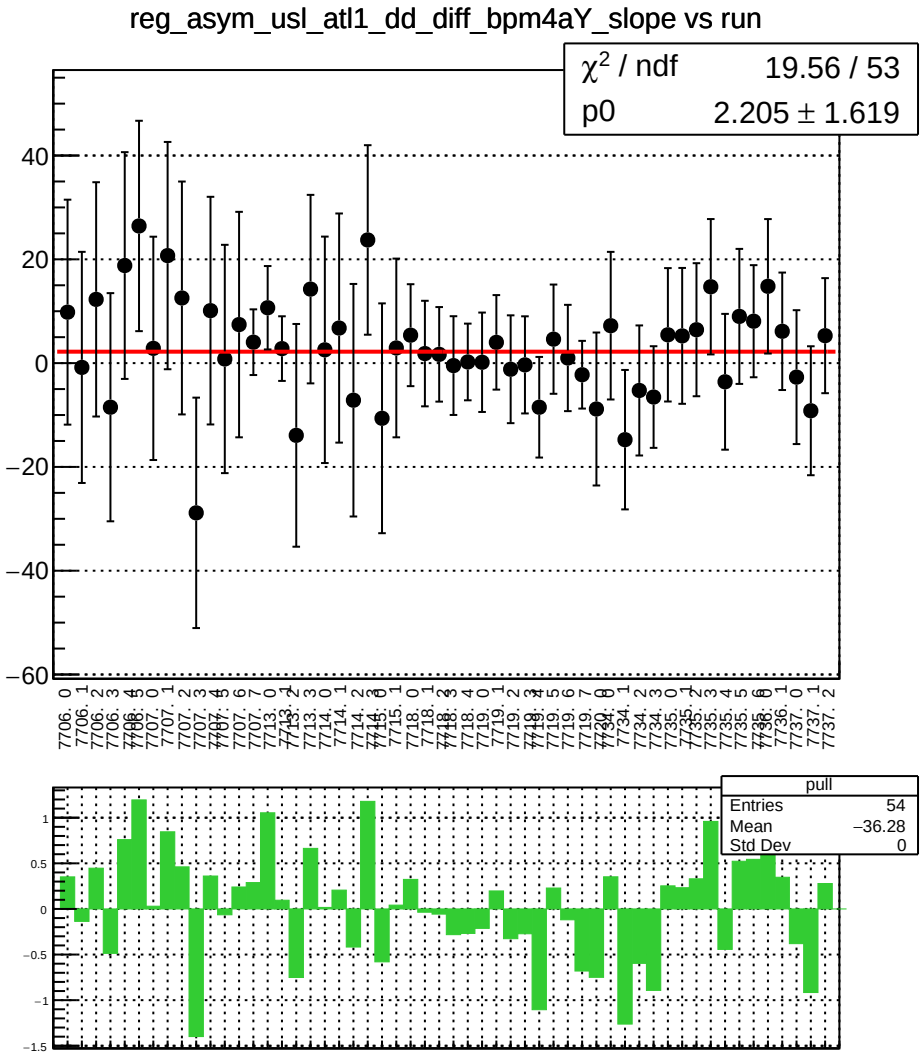

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 198 / 53
p0 12.58 ± 1.189
pull
Entries 54
Mean 40.44
Std Dev 19.81
pull1D
Entries 54
Mean −0.6428
Std Dev 1.804

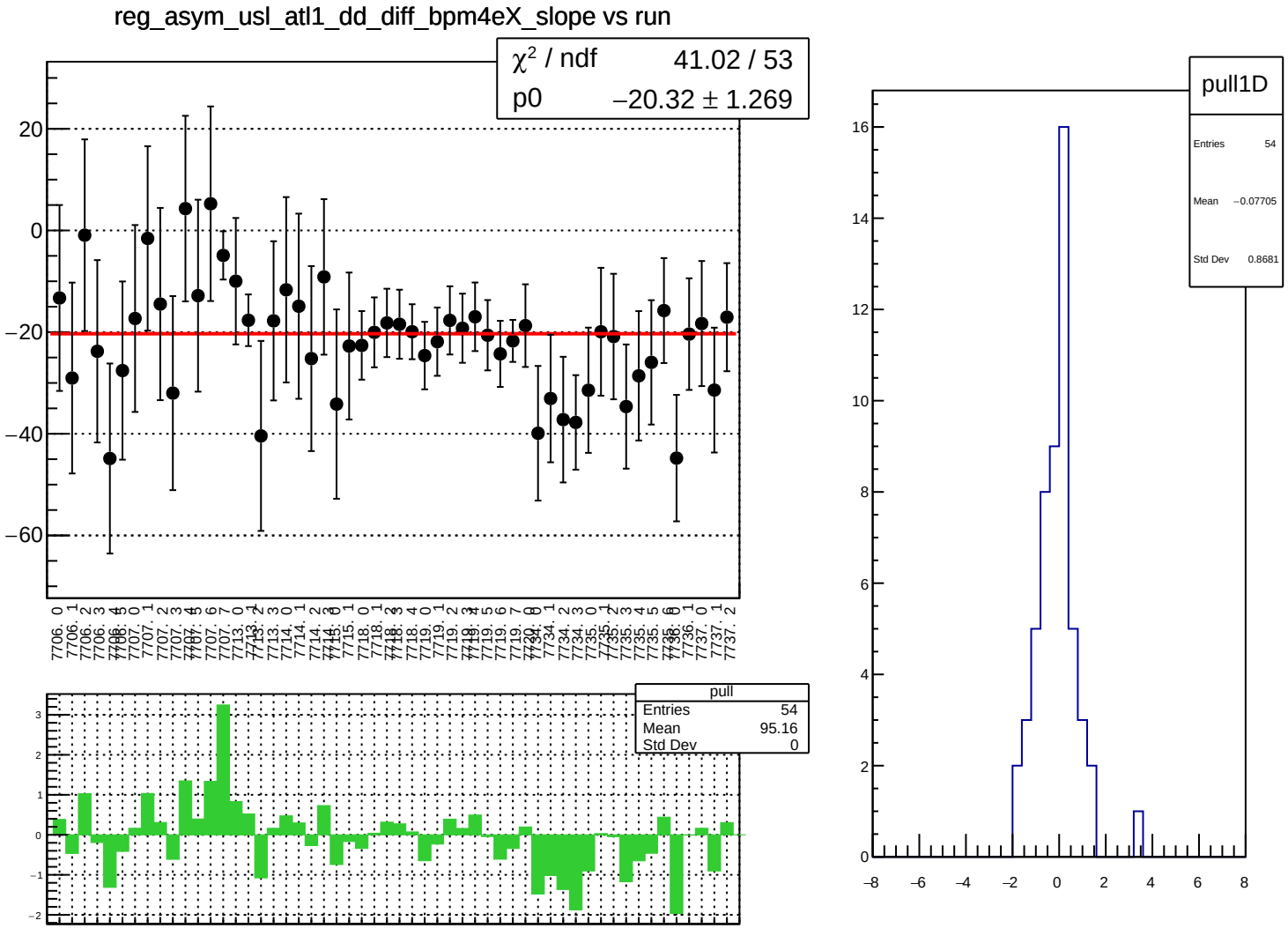

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.97 / 53
p0 3.407 ± 2.364
pull
Entries 54
Mean 52.81
Std Dev 0

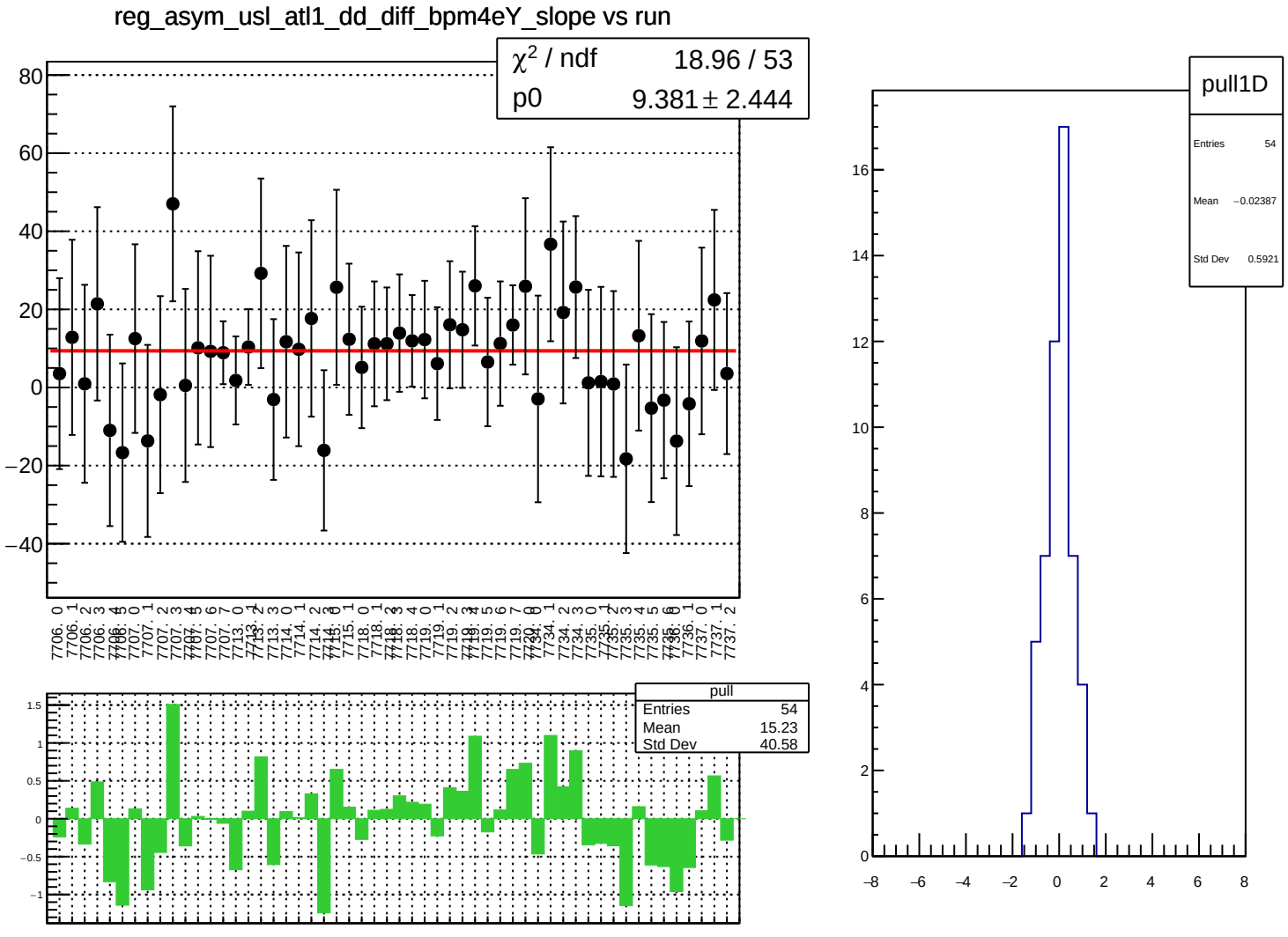

pull1D
Entries 54
Mean −0.04173
Std Dev 0.87

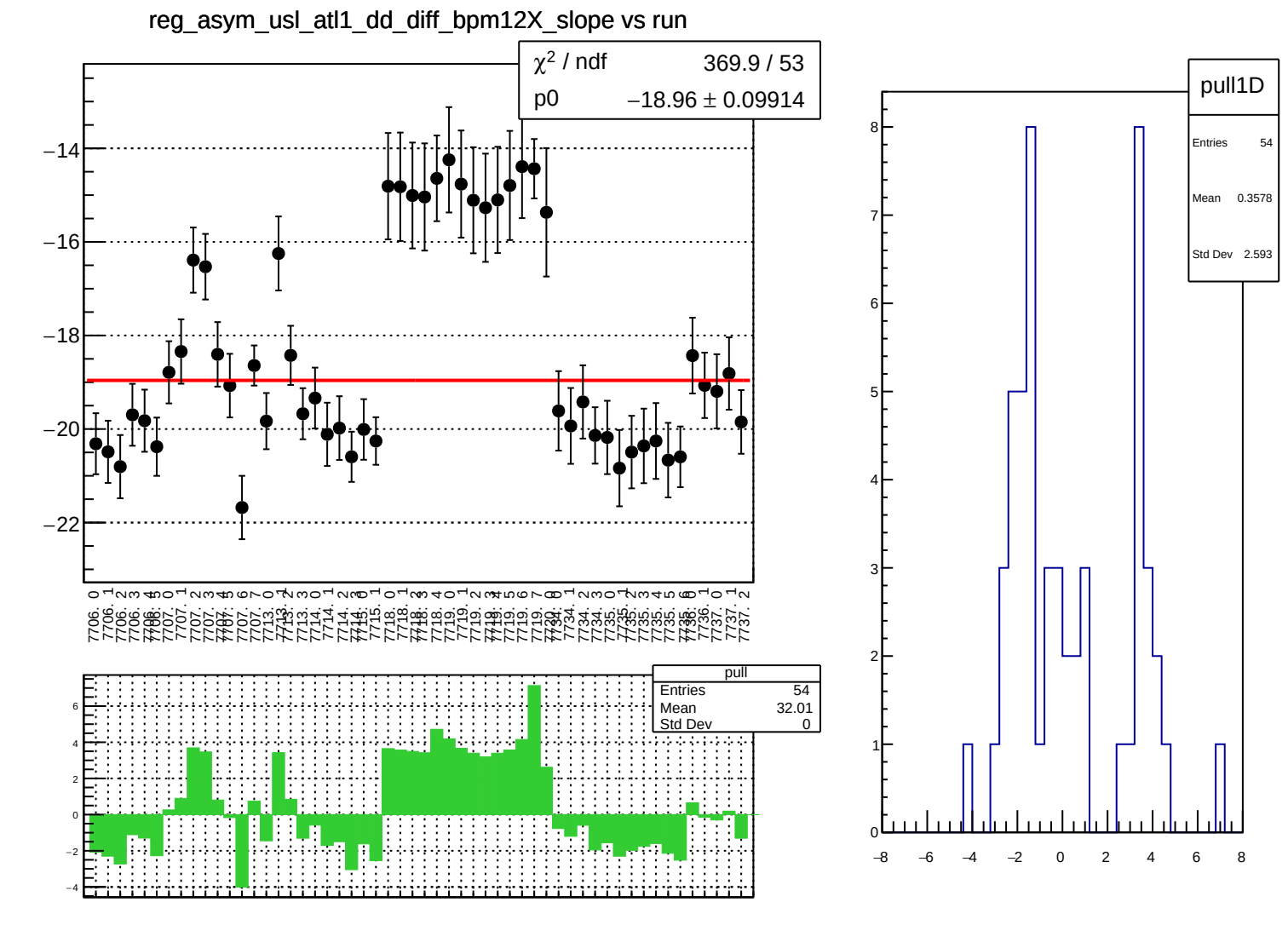

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 1047 / 53
p0 −16.35 ± 0.1025
pull
Entries 54
Mean 46.35
Std Dev 0
pull1D
Entries 54
Mean −0.2217
Std Dev 4.231

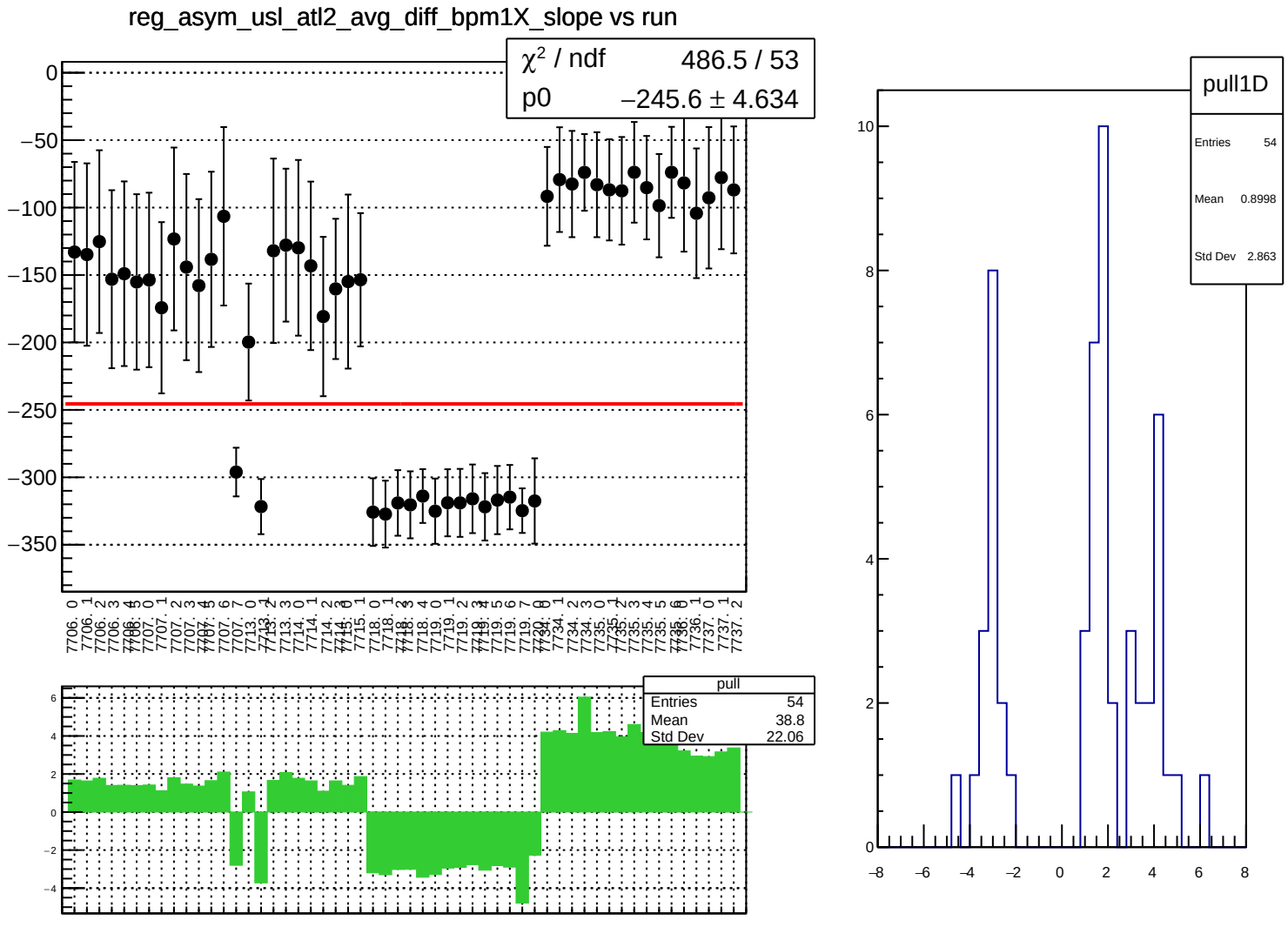

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 39.14 / 53
p0 −27.96 ± 1.469
pull
Entries 54
Mean 99.39
Std Dev 0
pull1D
Entries 54
Mean 0.06263
Std Dev 0.8491

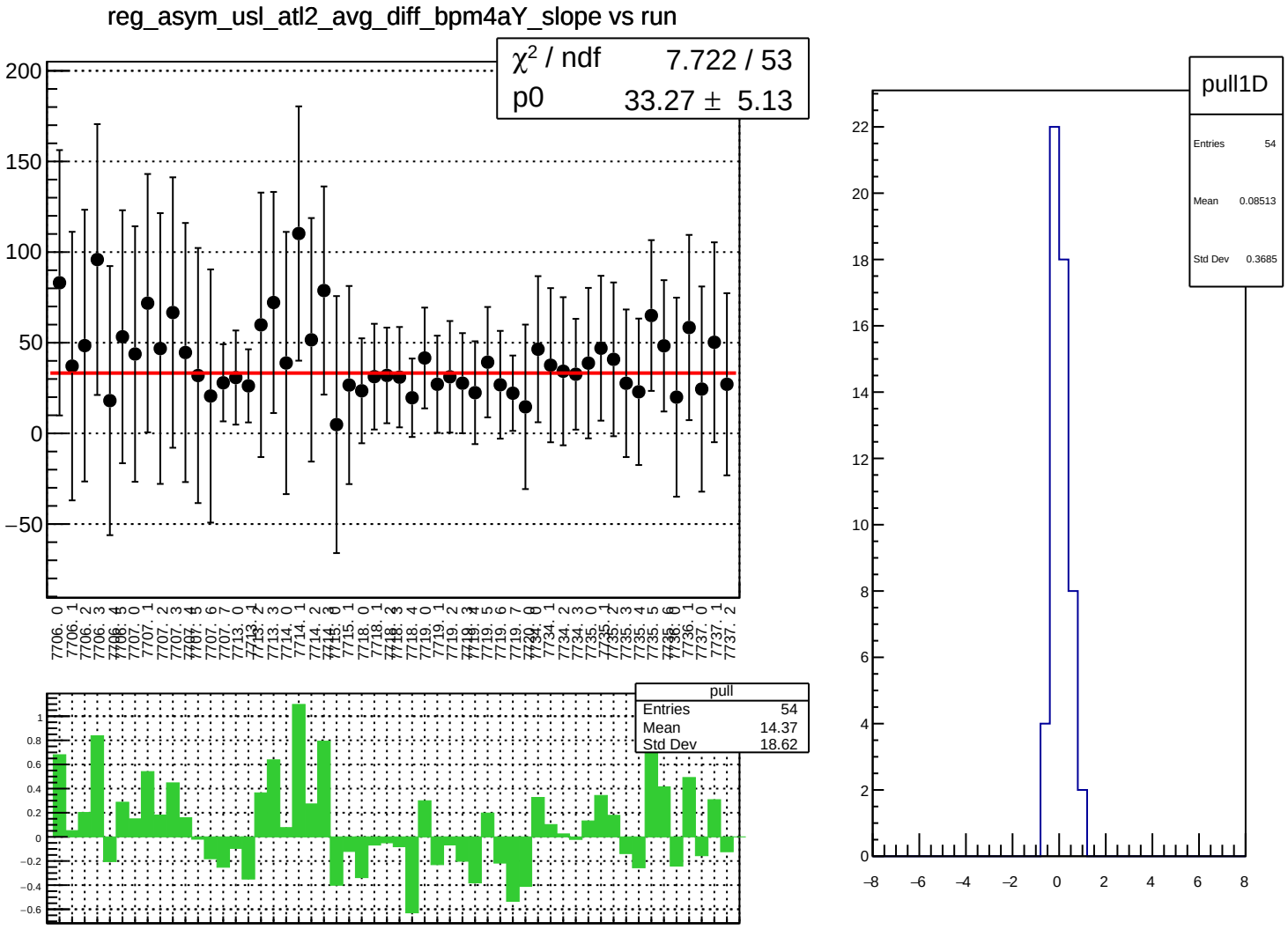

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.56 / 53
p0 2.205 ± 1.619
pull
Entries 54
Mean −36.28
Std Dev 0
pull1D
Entries 54
Mean 0.02491
Std Dev 0.6013

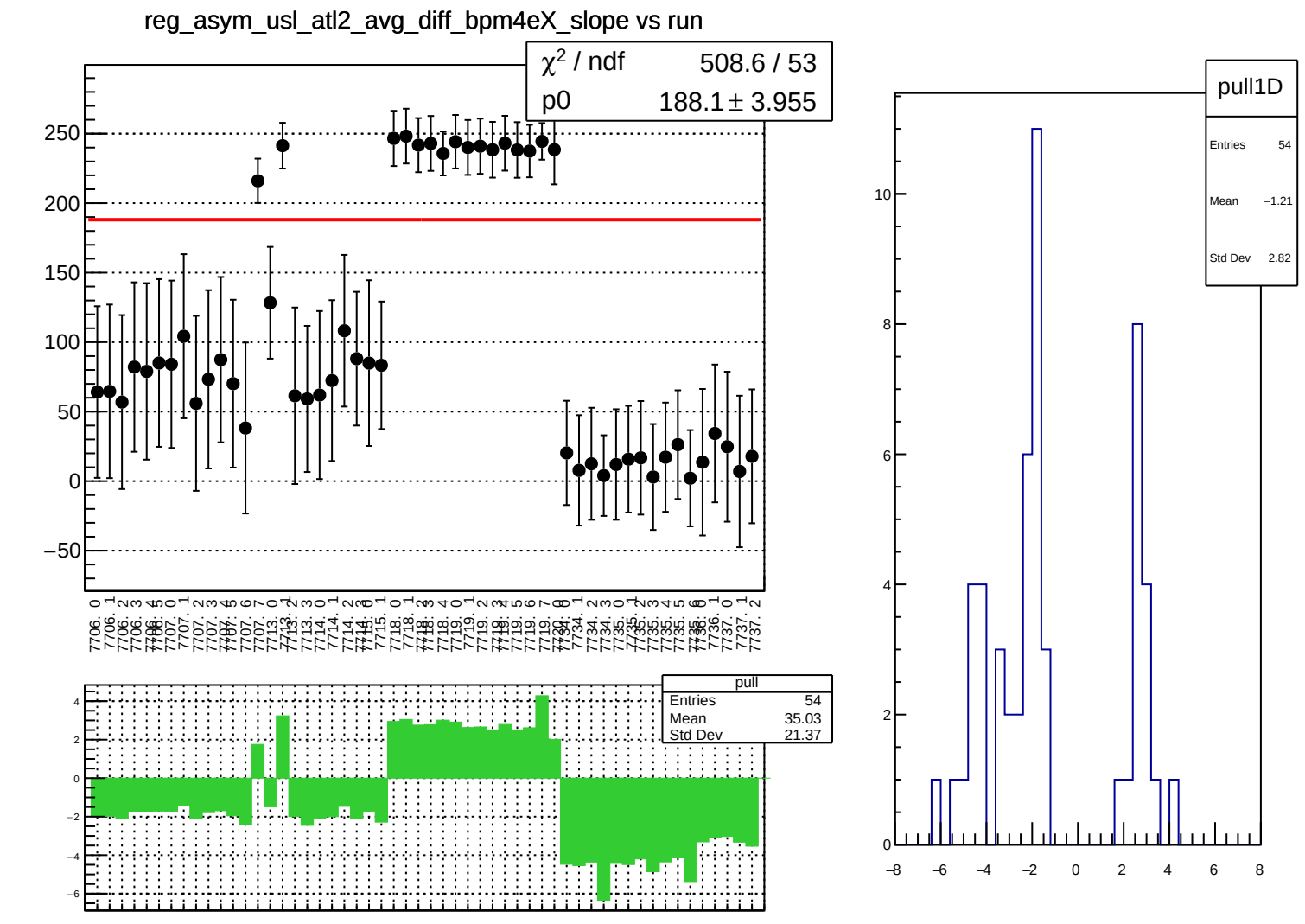

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.02 / 53
p0 −20.32 ± 1.269
pull
Entries 54
Mean 95.16
Std Dev 0
pull1D
Entries 54
Mean −0.07705
Std Dev 0.8681

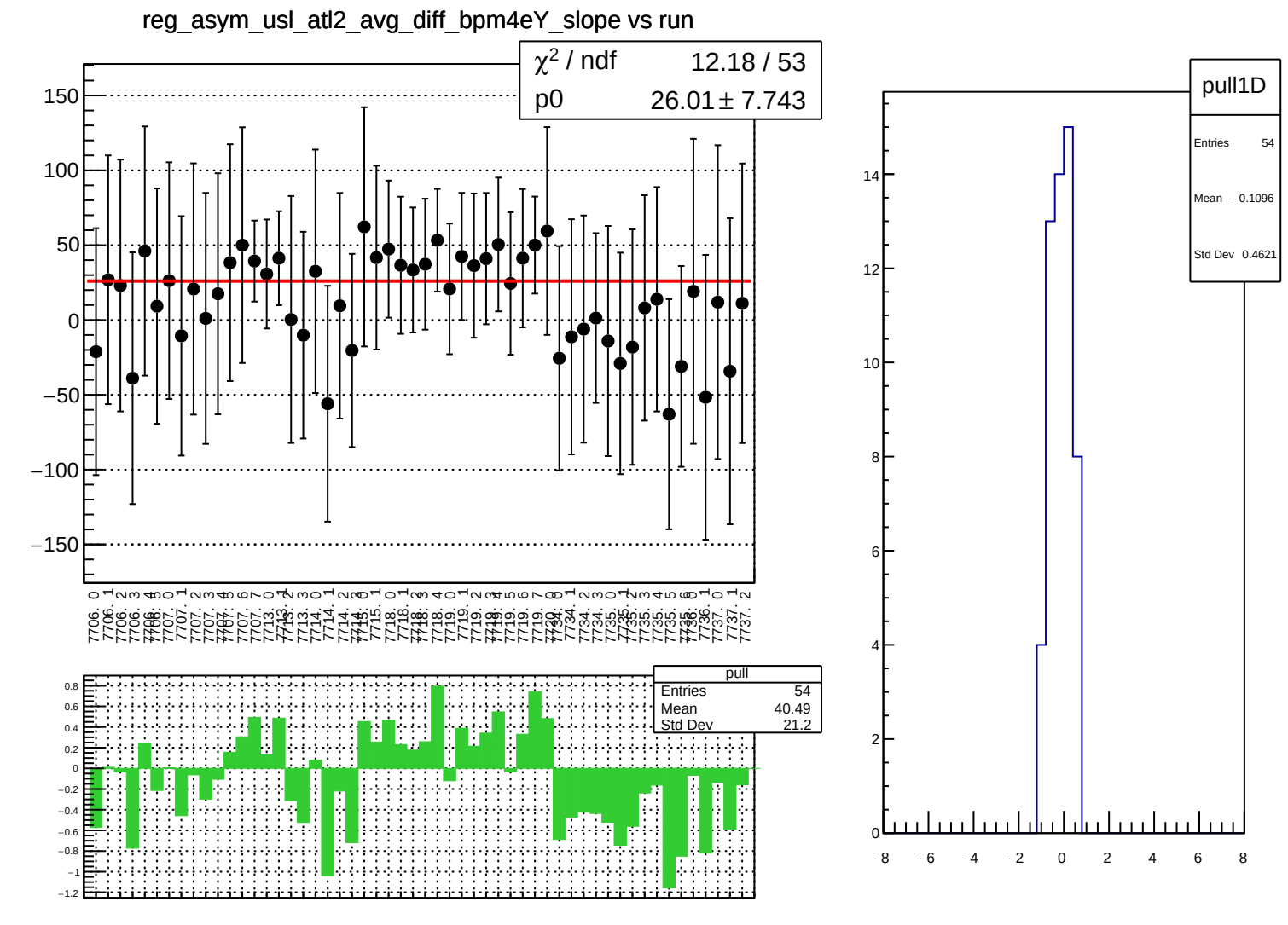

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.96 / 53
p0 9.381 ± 2.444
pull
Entries 54
Mean 15.23
Std Dev 40.58
pull1D
Entries 54
Mean −0.02387
Std Dev 0.5921

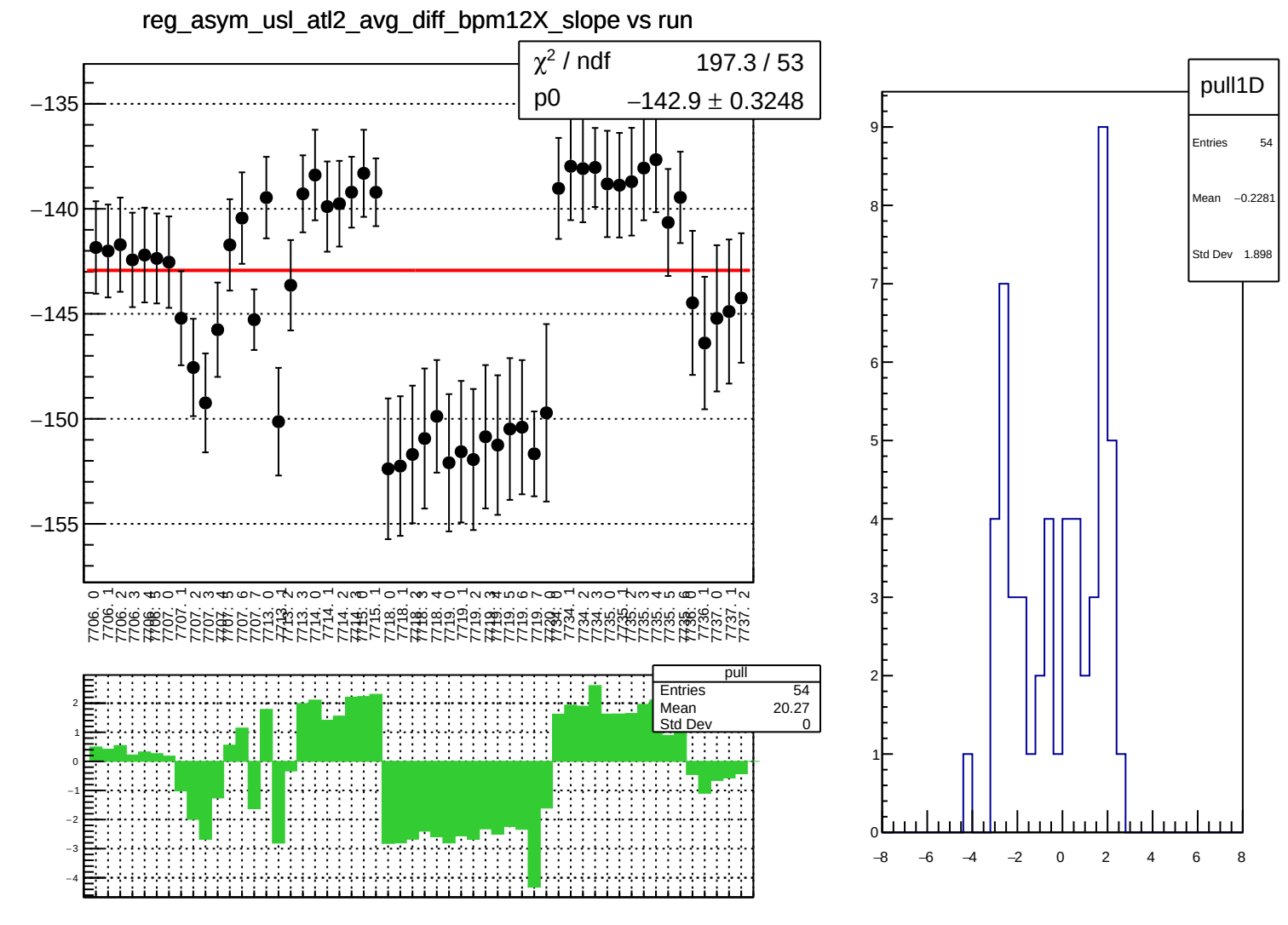

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 369.9 / 53
p0 −18.96 ± 0.09914
pull
Entries 54
Mean 32.01
Std Dev 0
pull1D
Entries 54
Mean 0.3578
Std Dev 2.593

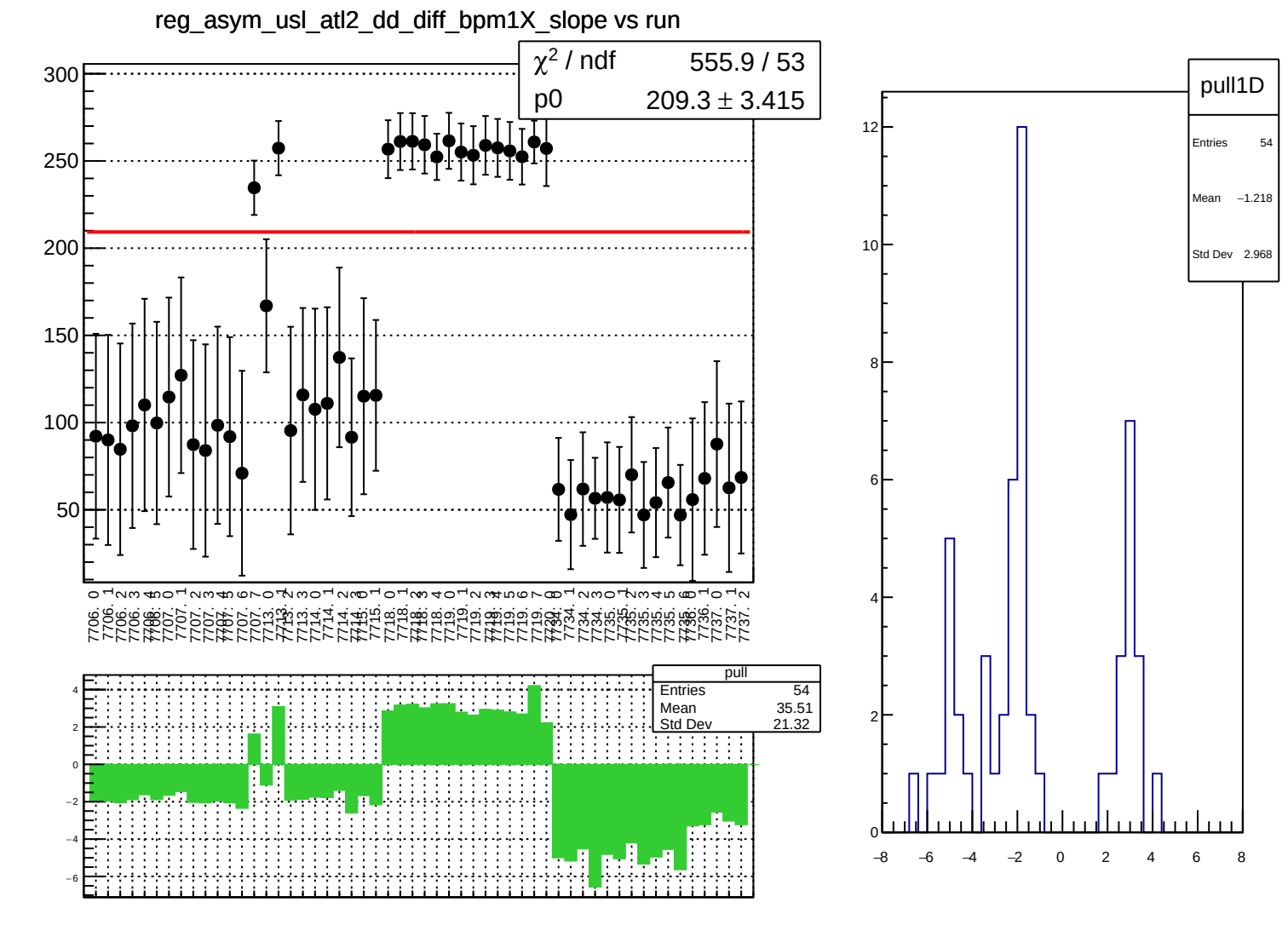

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 486.5 / 53
p0 −245.6 ± 4.634
pull
Entries 54
Mean 38.8
Std Dev 22.06
pull1D
Entries 54
Mean 0.8998
Std Dev 2.863

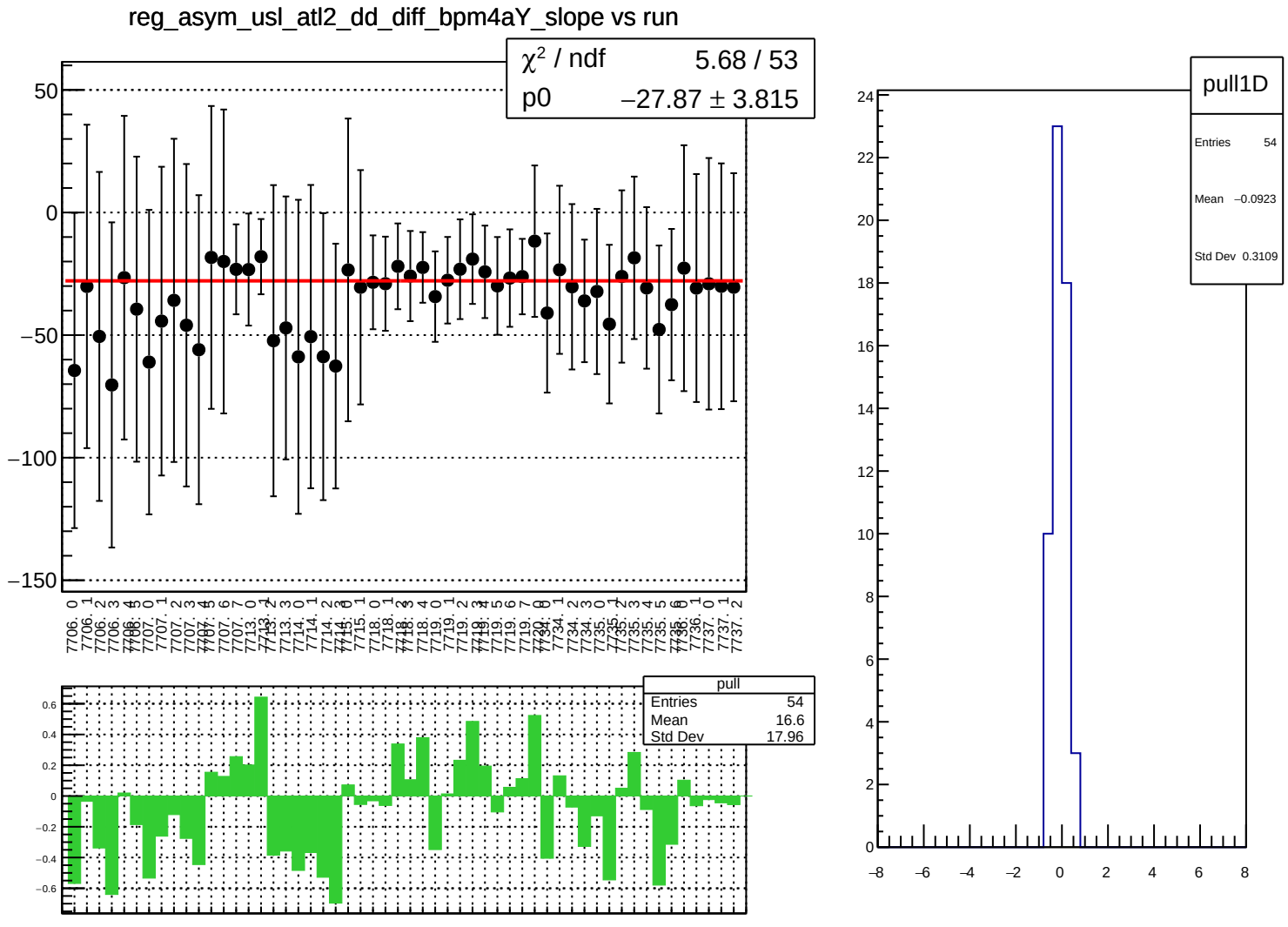

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.722 / 53
p0 33.27 ± 5.13
pull
Entries 54
Mean 14.37
Std Dev 18.62
pull1D
Entries 54
Mean 0.08513
Std Dev 0.3685

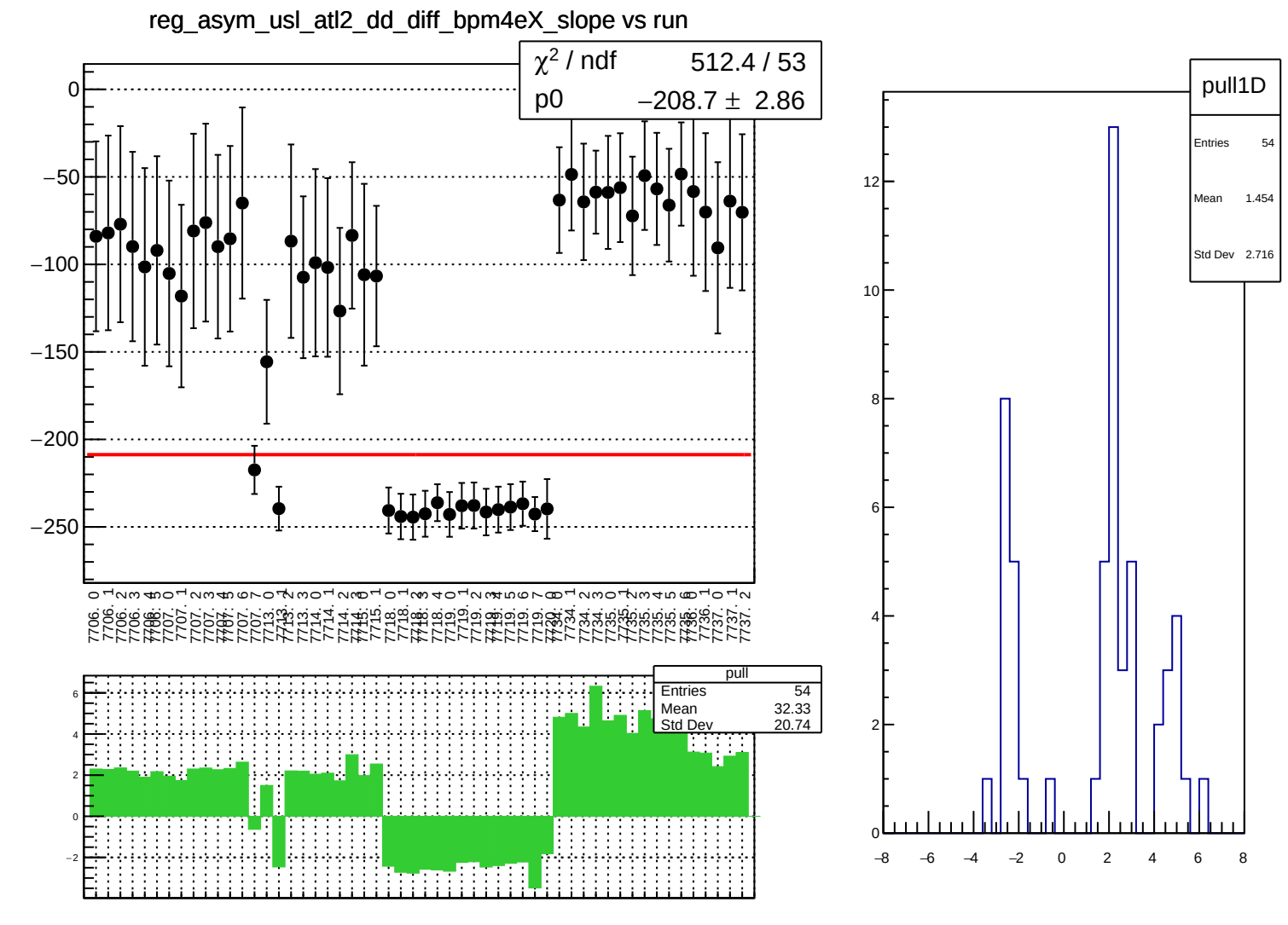

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 508.6 / 53
p0 188.1 ± 3.955
pull
Entries 54
Mean 35.03
Std Dev 21.37
pull1D
Entries 54
Mean −1.21
Std Dev 2.82

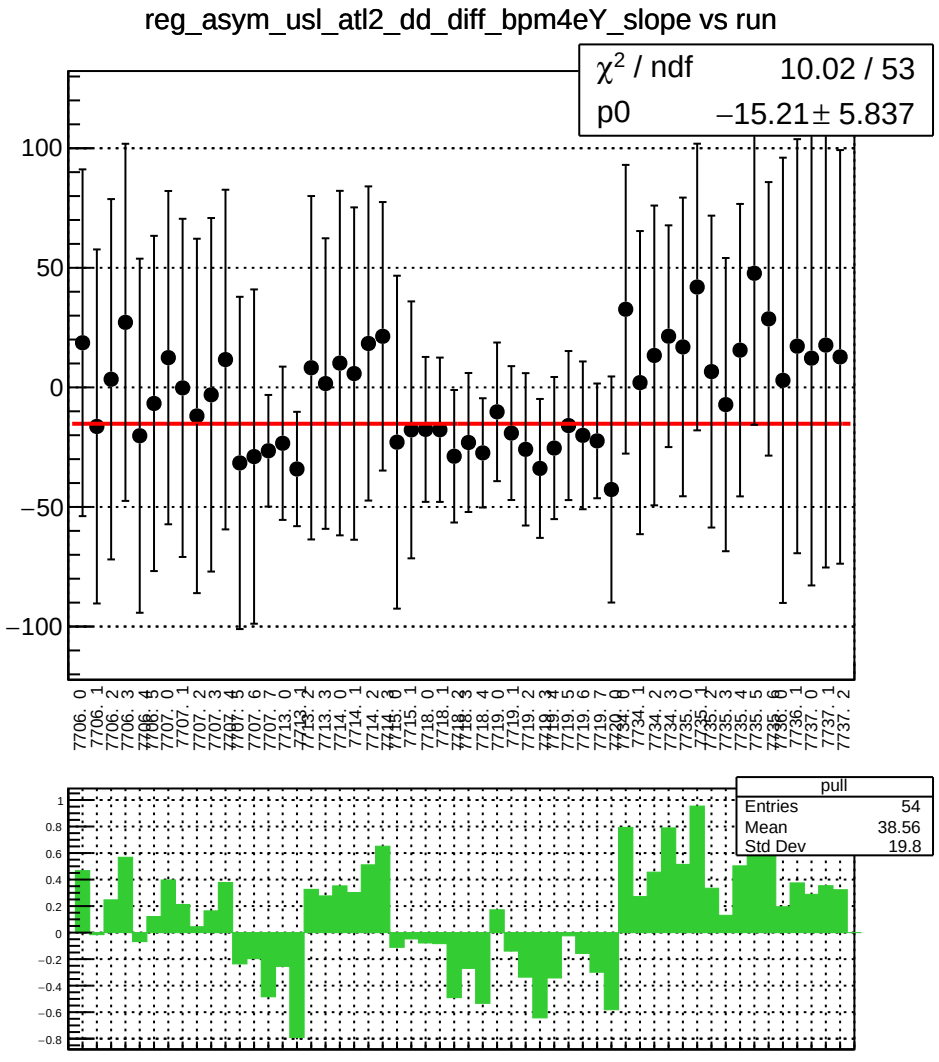

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.18 / 53
p0 26.01 ± 7.743
pull
Entries 54
Mean 40.49
Std Dev 21.2
pull1D
Entries 54
Mean −0.1096
Std Dev 0.4621

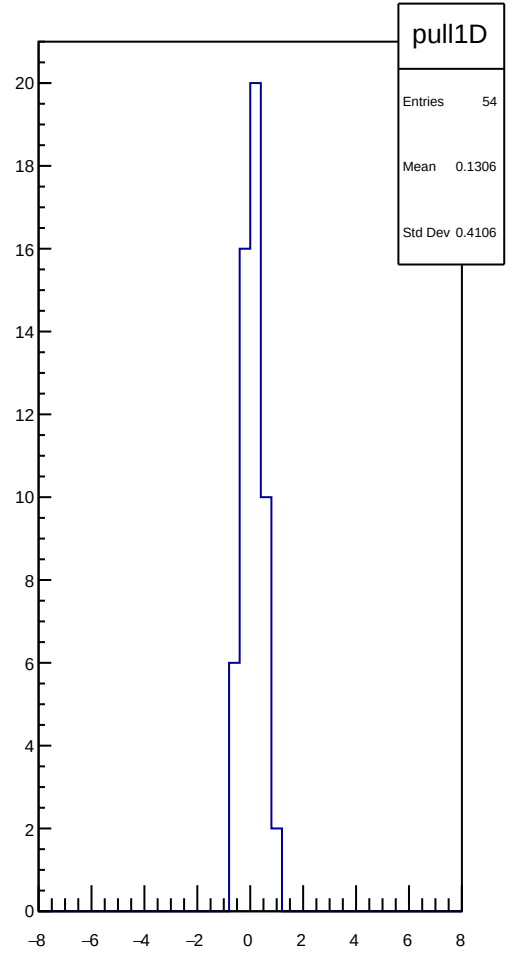

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 197.3 / 53
p0 −142.9 ± 0.3248
−135
−140
−145
−150
−155
pull
Entries 54
Mean 20.27
Std Dev 0
pull1D
Entries 54
Mean −0.2281
Std Dev 1.898

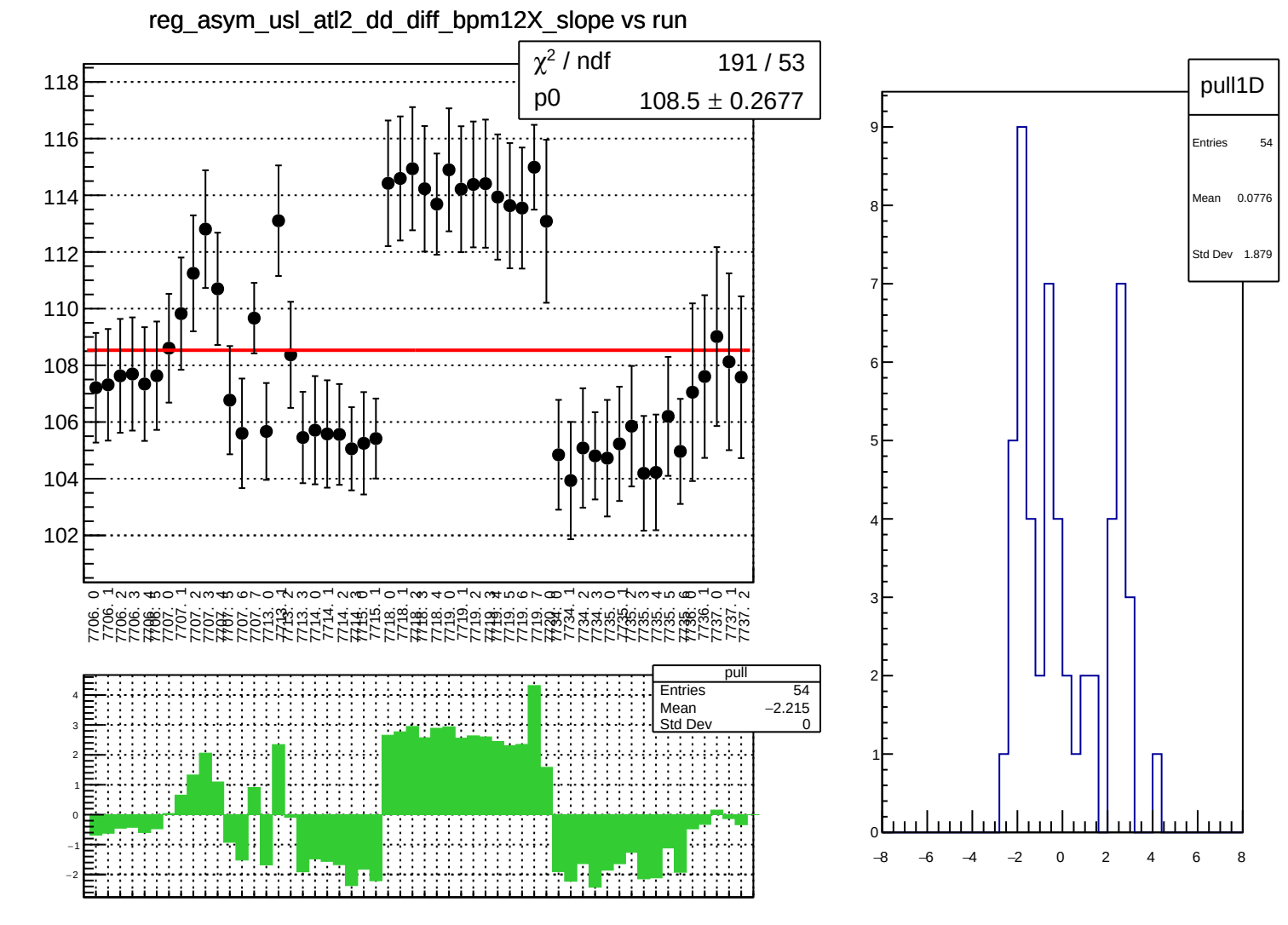

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 555.9 / 53
p0 209.3 ± 3.415
pull
Entries 54
Mean 35.51
Std Dev 21.32
pull1D
Entries 54
Mean −1.218
Std Dev 2.968

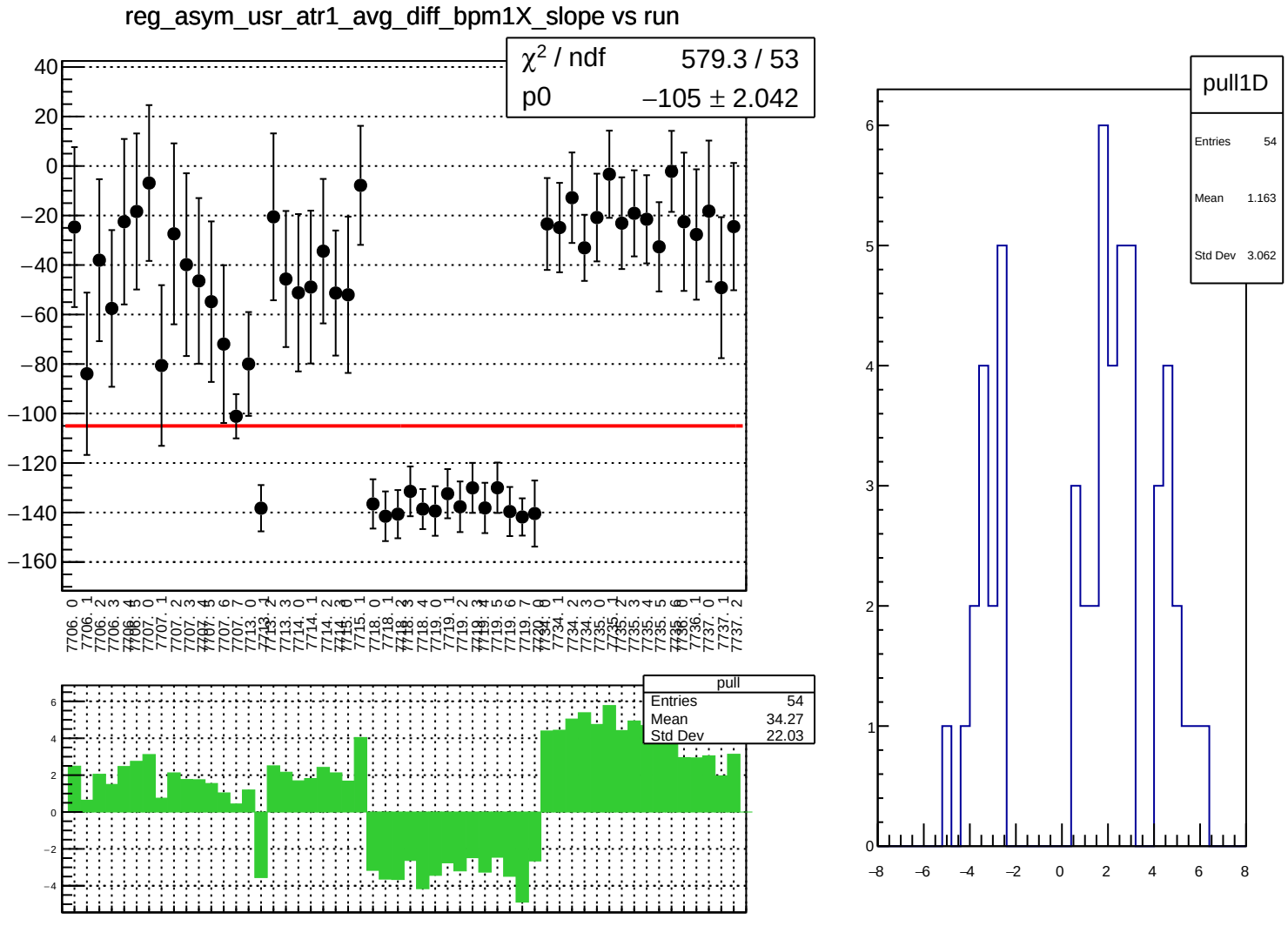

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.68 / 53
p0 −27.87 ± 3.815
pull
Entries 54
Mean 16.6
Std Dev 17.96
pull1D
Entries 54
Mean −0.0923
Std Dev 0.3109

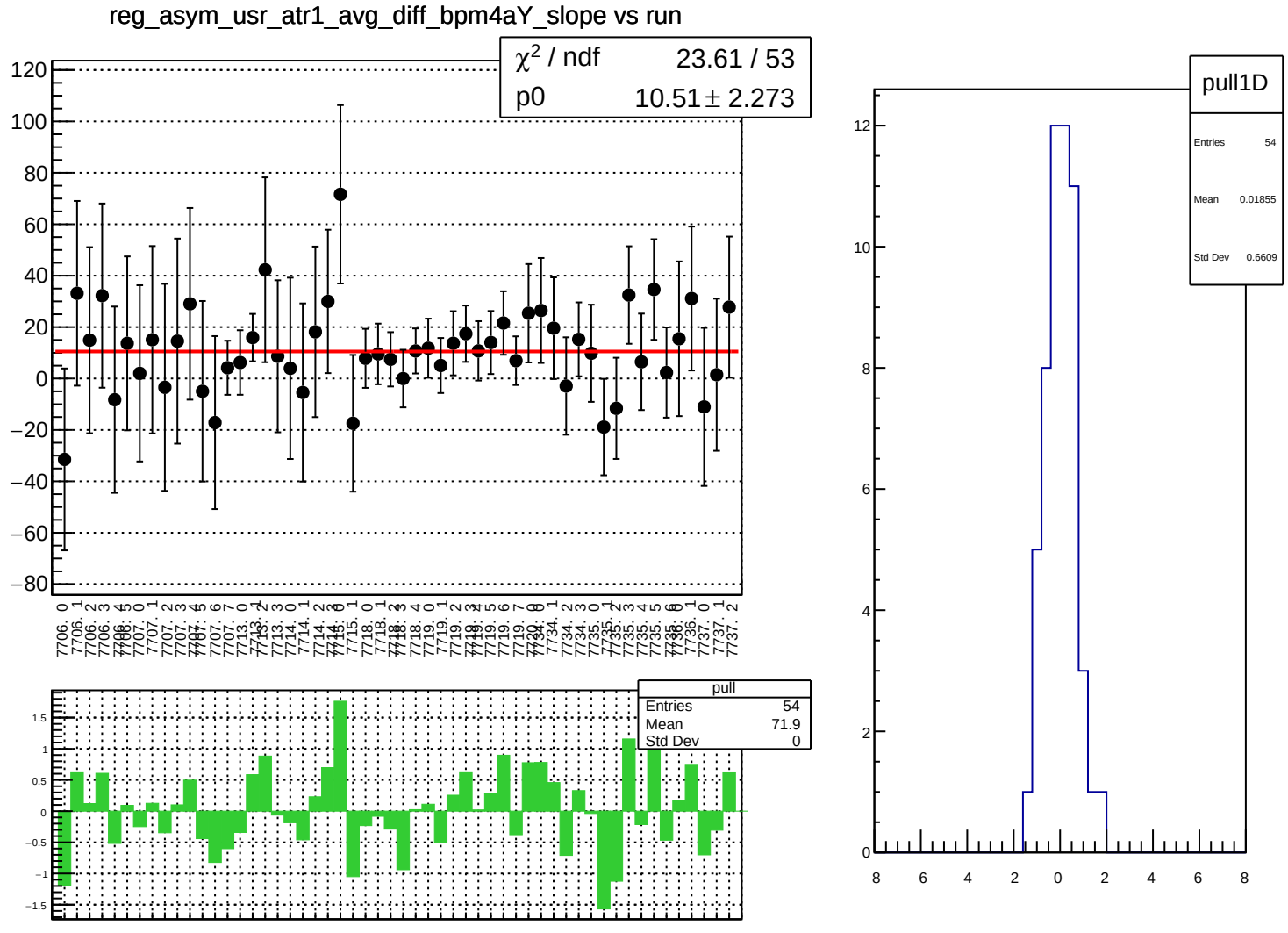

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 512.4 / 53
p0 −208.7 ± 2.86
pull
Entries 54
Mean 32.33
Std Dev 20.74
pull1D
Entries 54
Mean 1.454
Std Dev 2.716

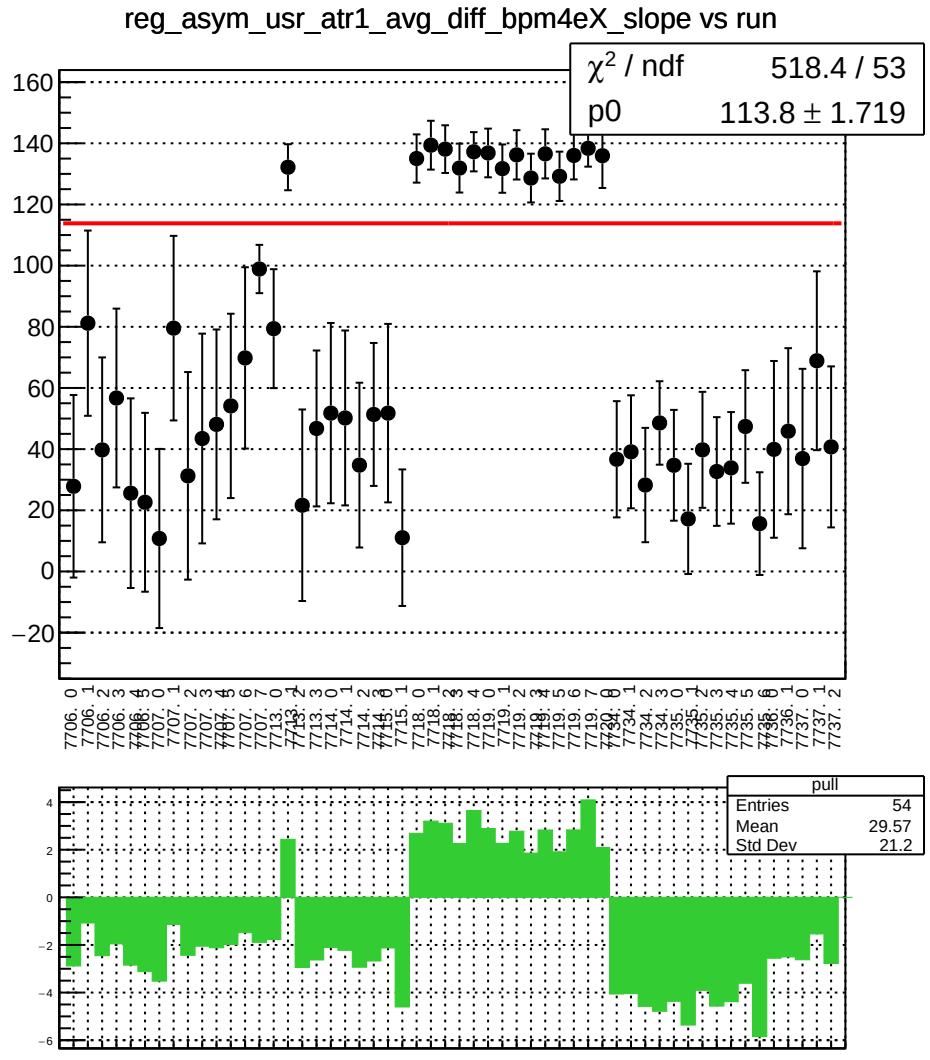

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.02 / 53
p0 −15.21 ± 5.837
pull
Entries 54
Mean 38.56
Std Dev 19.8

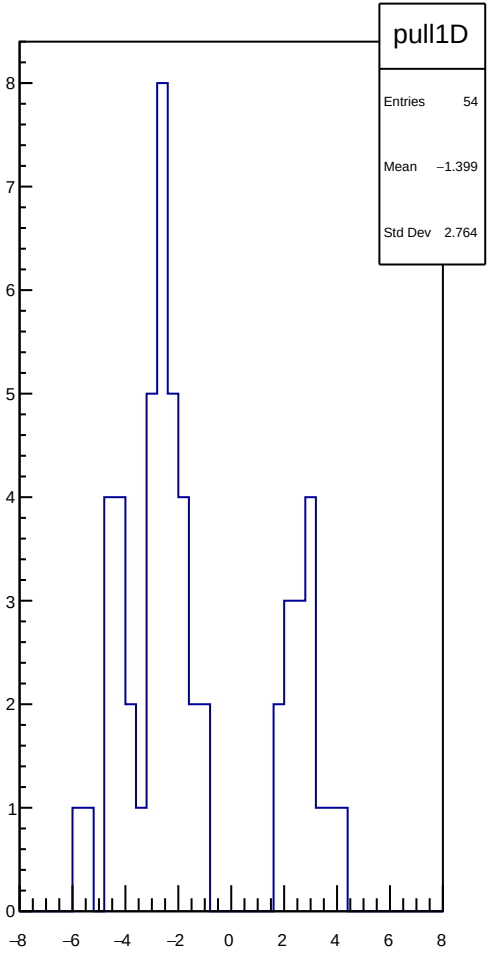

pull1D
Entries 54
Mean 0.1306
Std Dev 0.4106

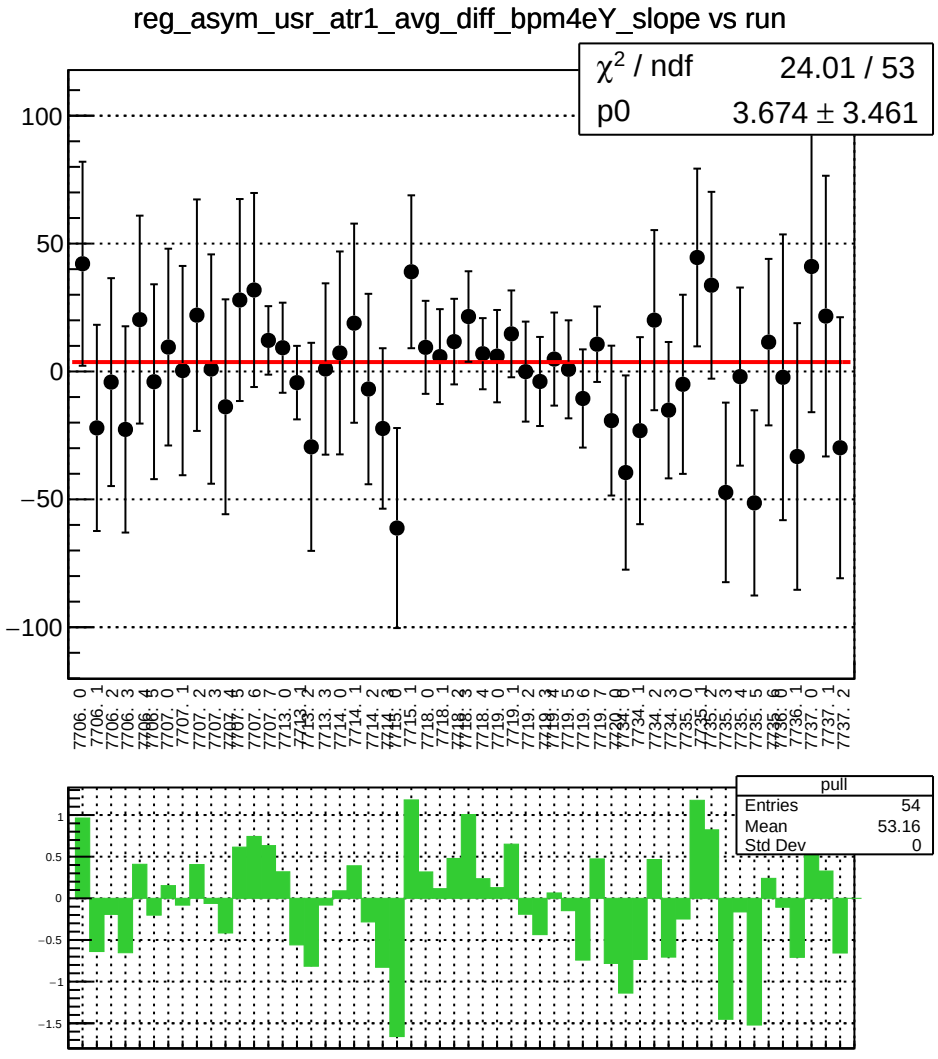

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 191 / 53
p0 108.5 ± 0.2677
pull
Entries 54
Mean −2.215
Std Dev 0
pull1D
Entries 54
Mean 0.0776
Std Dev 1.879

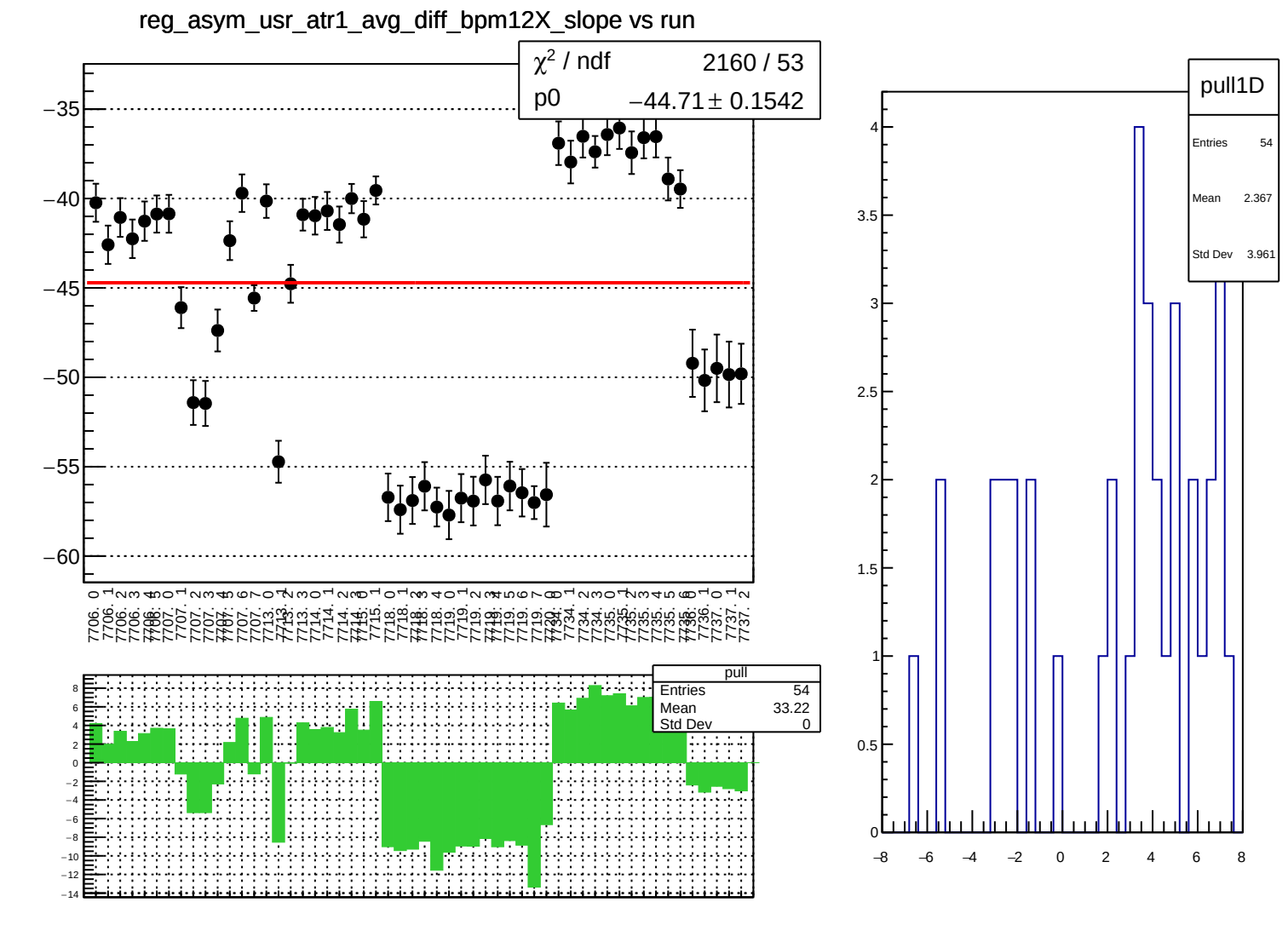

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 579.3 / 53
p0 −105 ± 2.042
pull
Entries 54
Mean 34.27
Std Dev 22.03
pull1D
Entries 54
Mean 1.163
Std Dev 3.062

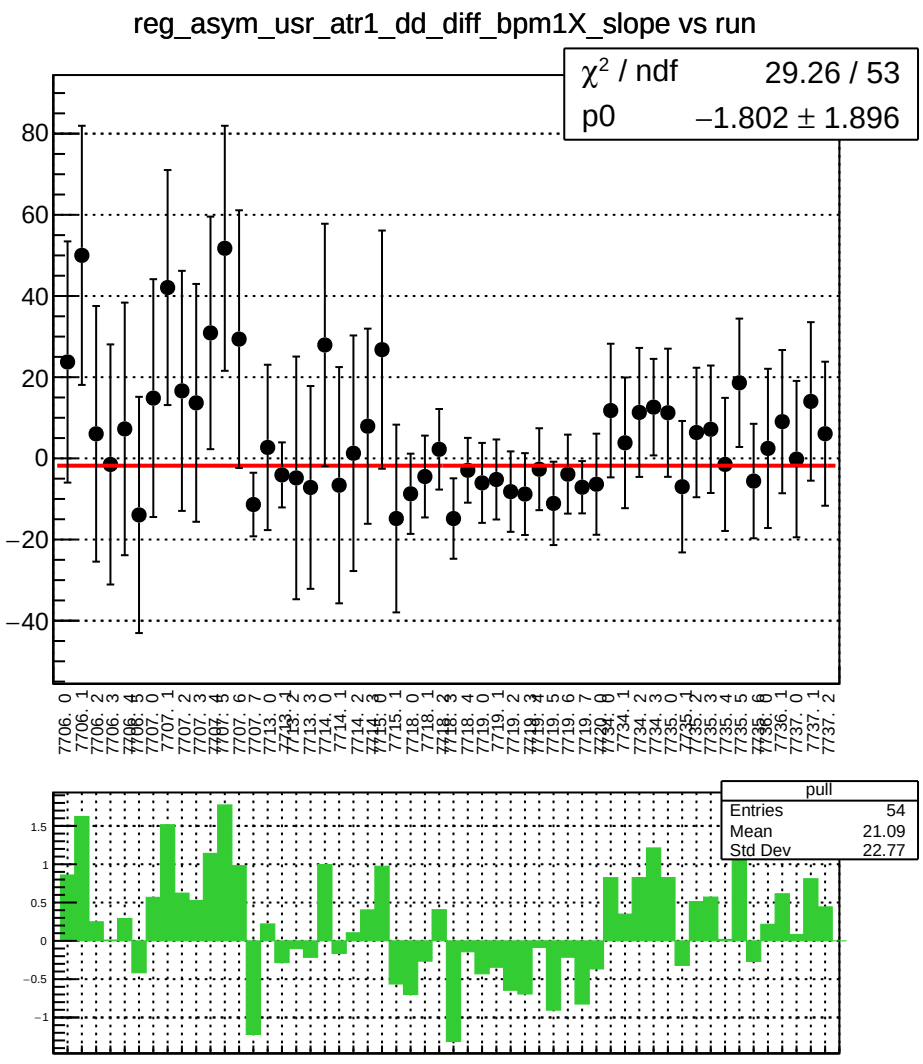

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.61 / 53
p0 10.51 ± 2.273
pull
Entries 54
Mean 71.9
Std Dev 0
pull1D
Entries 54
Mean 0.01855
Std Dev 0.6609

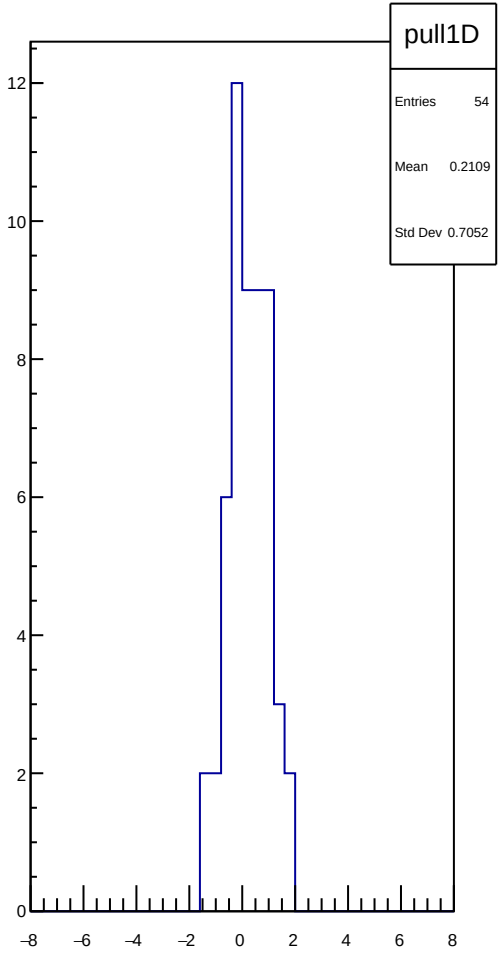

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 518.4 / 53
p0 113.8 ± 1.719
pull
Entries 54
Mean 29.57
Std Dev 21.2

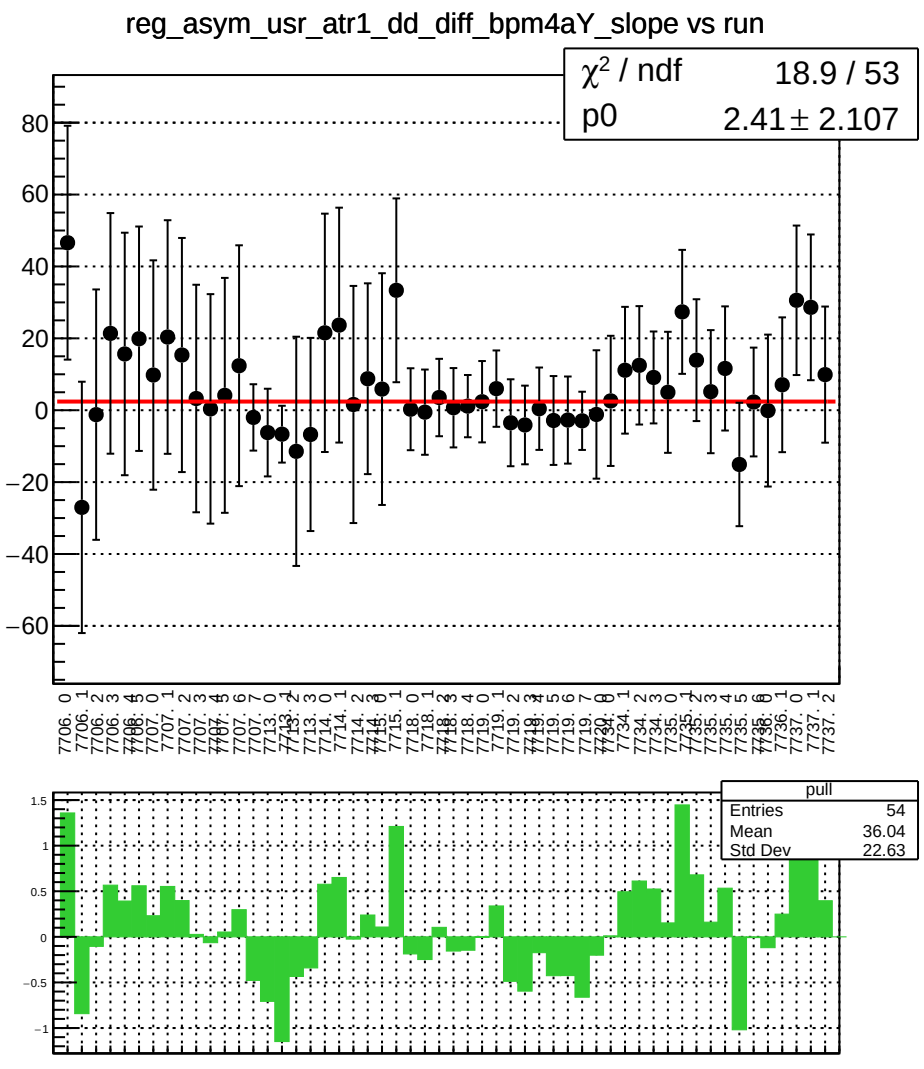

pull1D
Entries 54
Mean −1.399
Std Dev 2.764

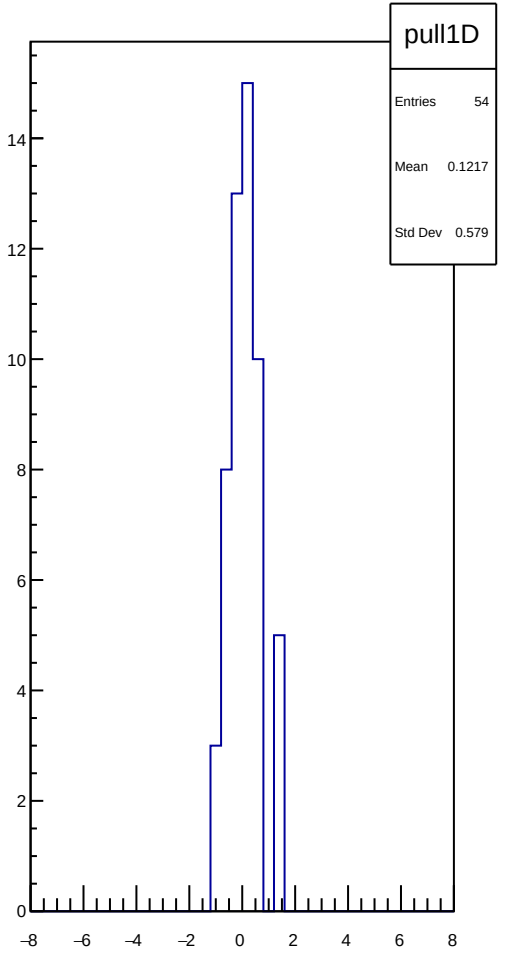

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.01 / 53
p0 3.674 ± 3.461
pull
Entries 54
Mean 53.16
Std Dev 0
pull1D
Entries 54
Mean −0.05819
Std Dev 0.6642

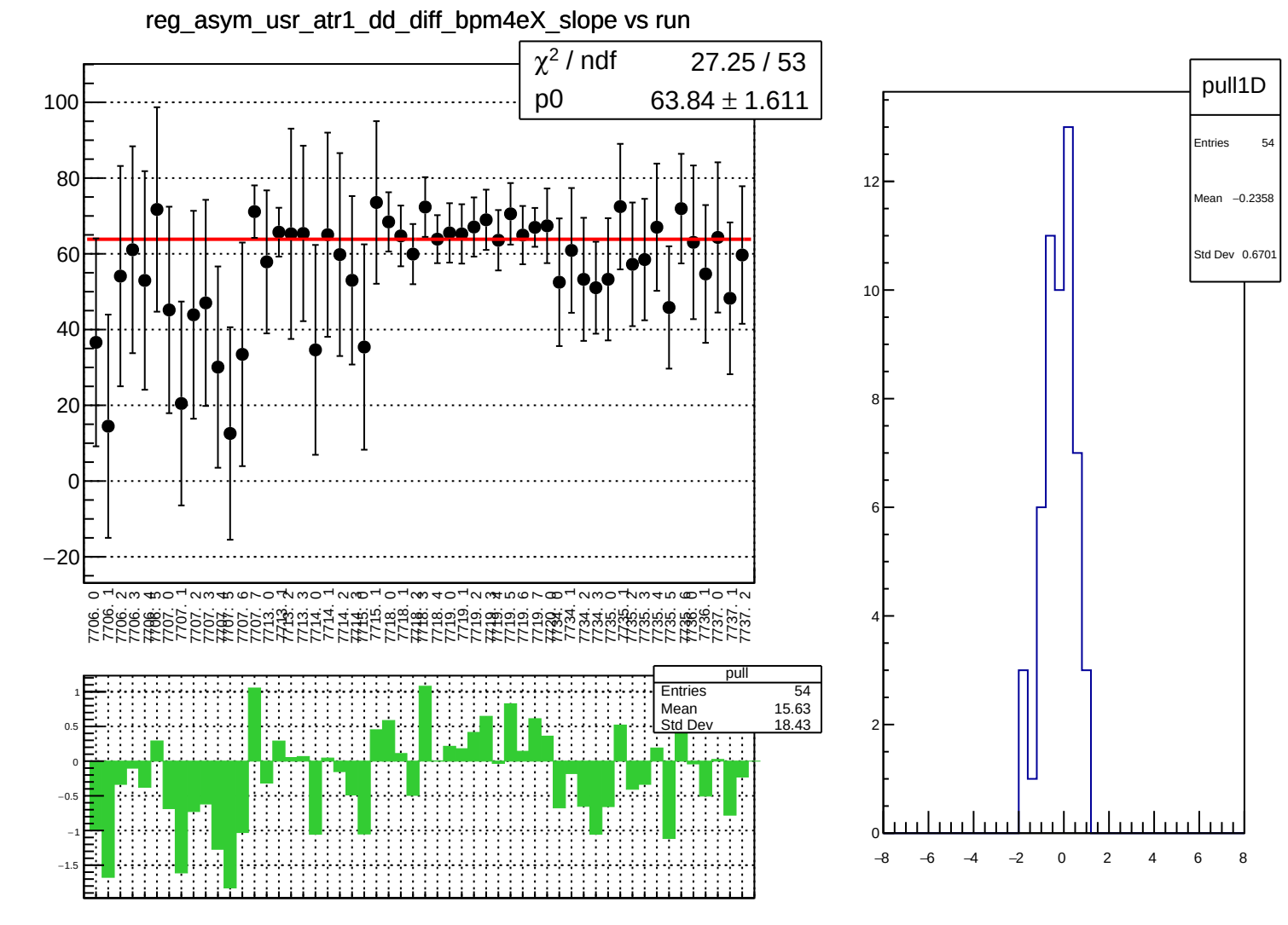

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 2160 / 53
p0 −44.71 ± 0.1542
pull
Entries 54
Mean 33.22
Std Dev 0
pull1D
Entries 54
Mean 2.367
Std Dev 3.961

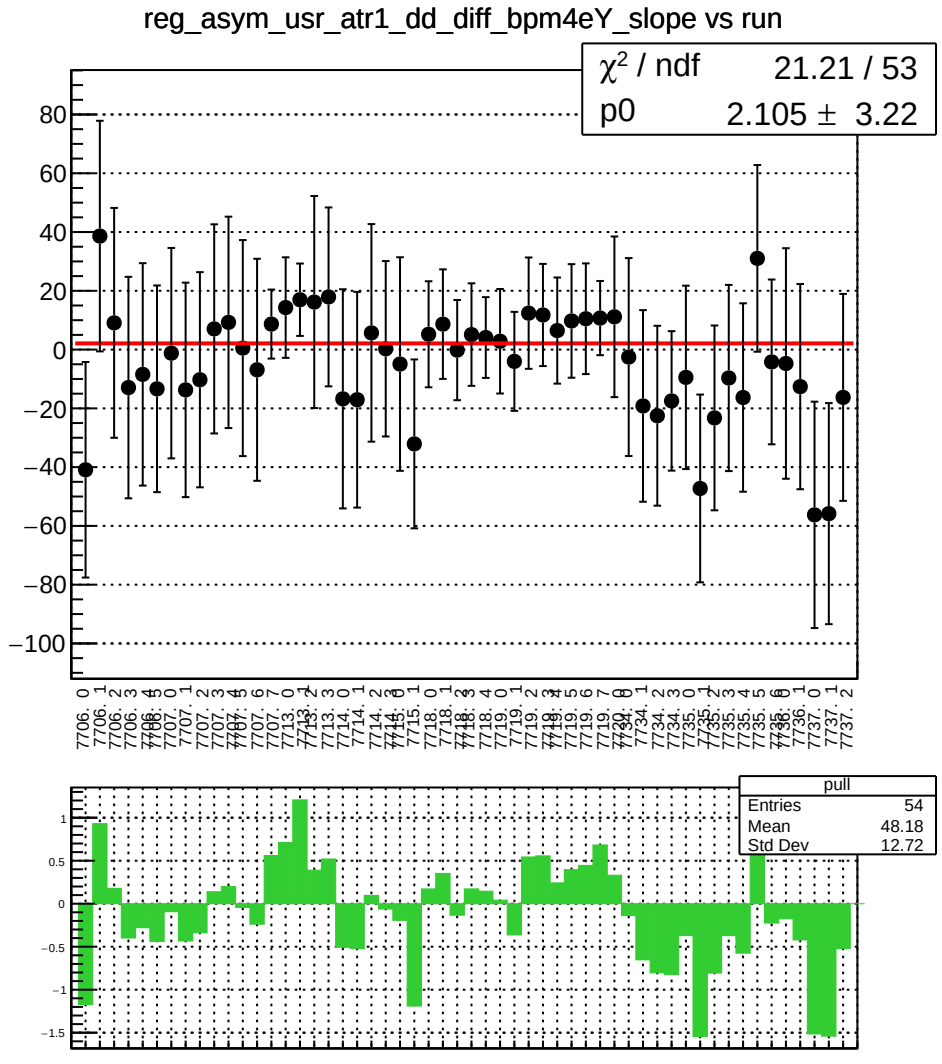

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 29.26 / 53
p0 −1.802 ± 1.896
pull
Entries 54
Mean 21.09
Std Dev 22.77

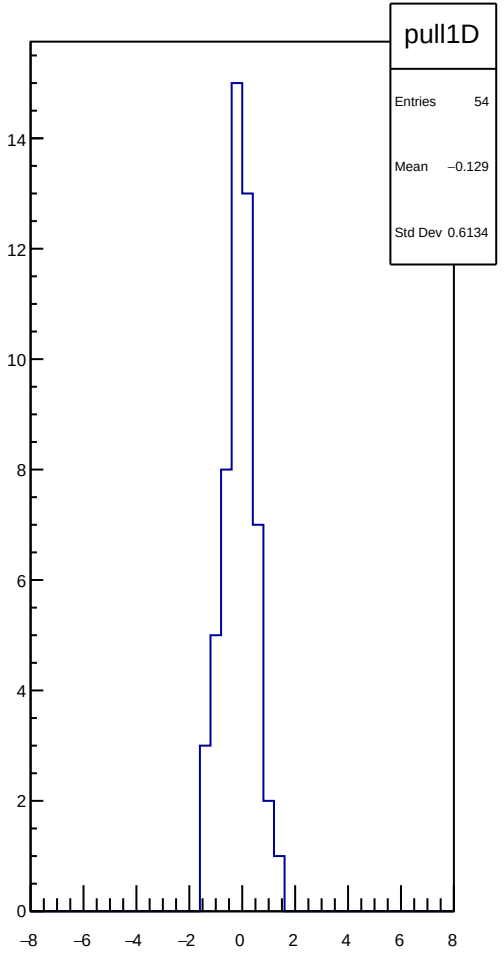

pull1D
Entries 54
Mean 0.2109
Std Dev 0.7052

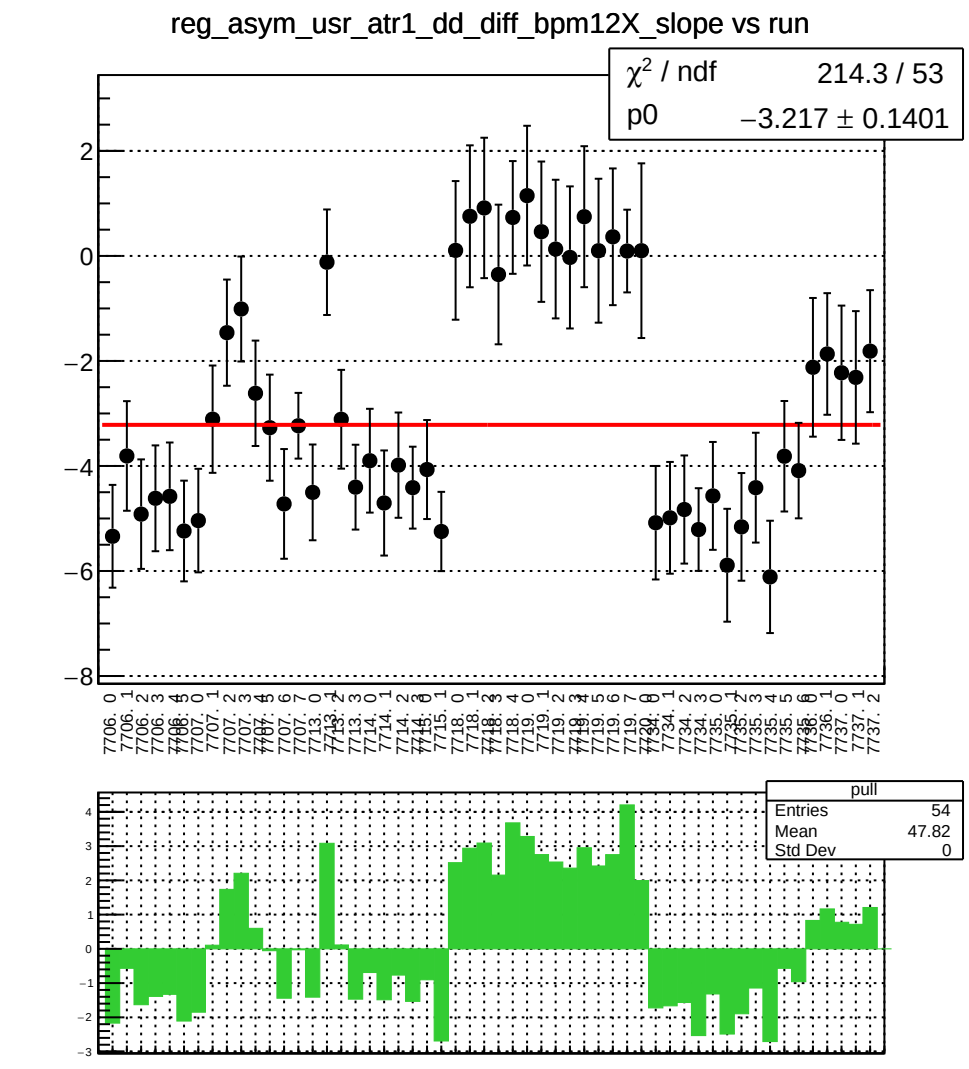

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.9 / 53
p0 2.41 ± 2.107
pull
Entries 54
Mean 36.04
Std Dev 22.63

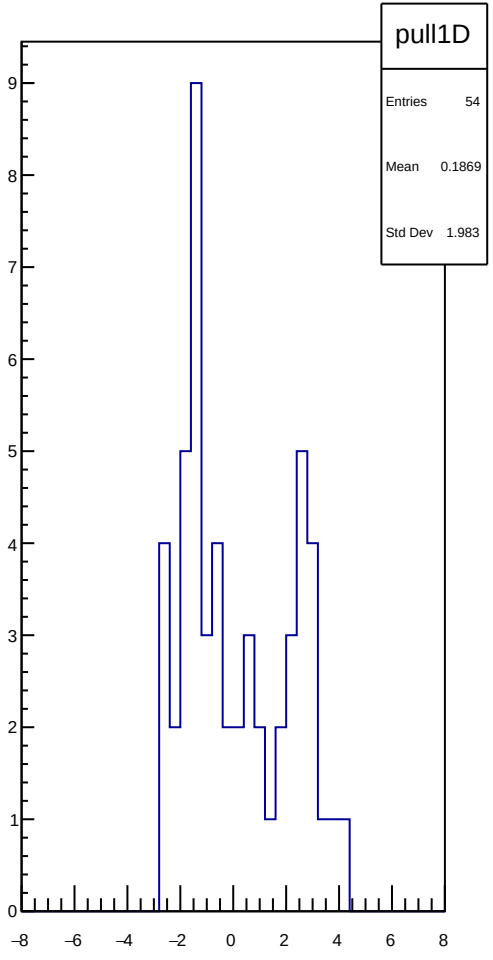

pull1D
Entries 54
Mean 0.1217
Std Dev 0.579

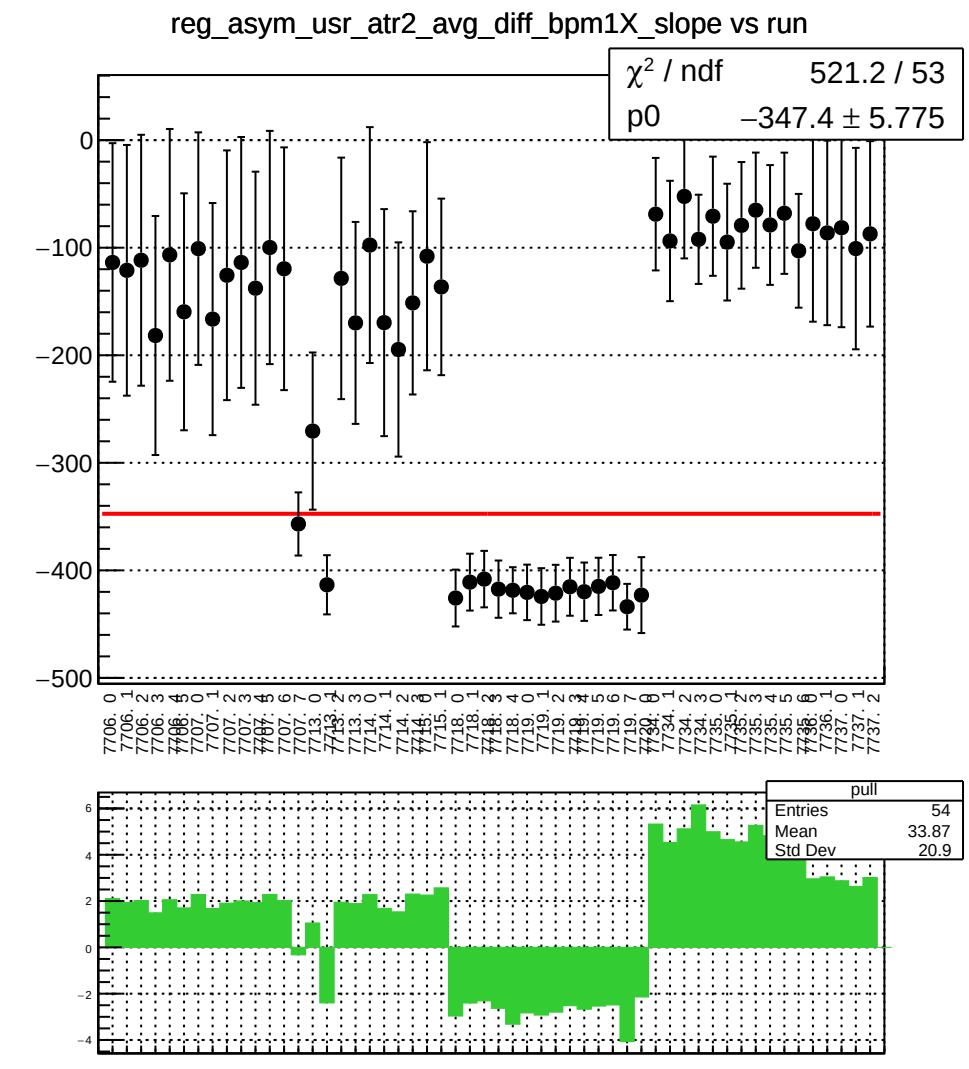

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.25 / 53
p0 63.84 ± 1.611
pull
Entries 54
Mean 15.63
Std Dev 18.43
pull1D
Entries 54
Mean −0.2358
Std Dev 0.6701

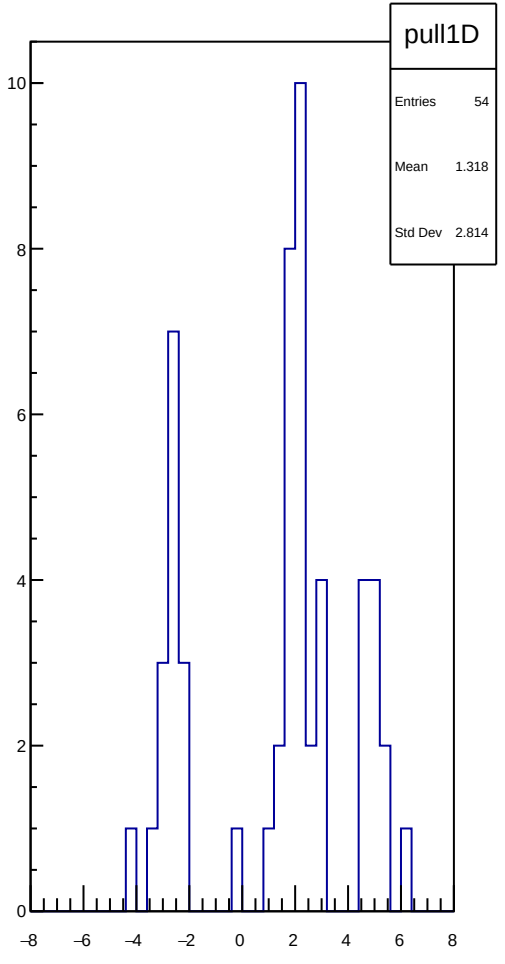

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.21 / 53
p0 2.105 ± 3.22
pull
Entries 54
Mean 48.18
Std Dev 12.72

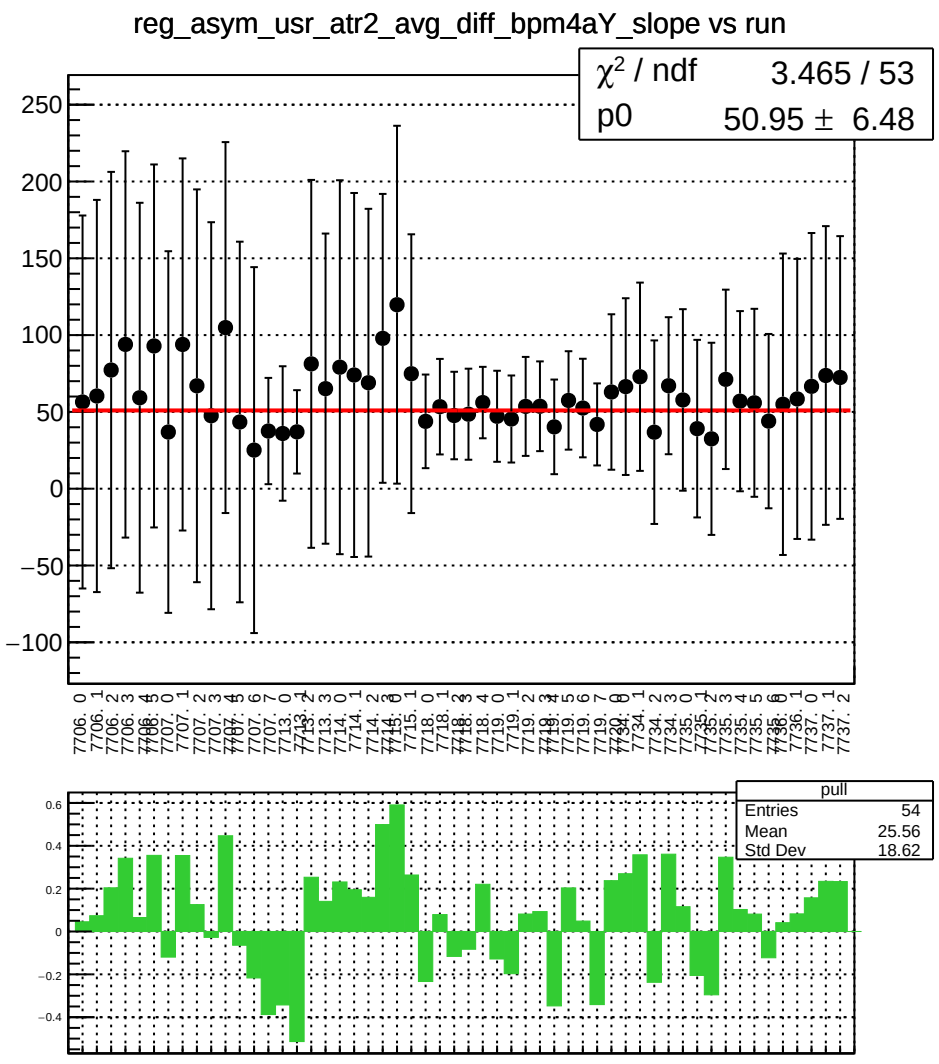

pull1D
Entries 54
Mean −0.129
Std Dev 0.6134

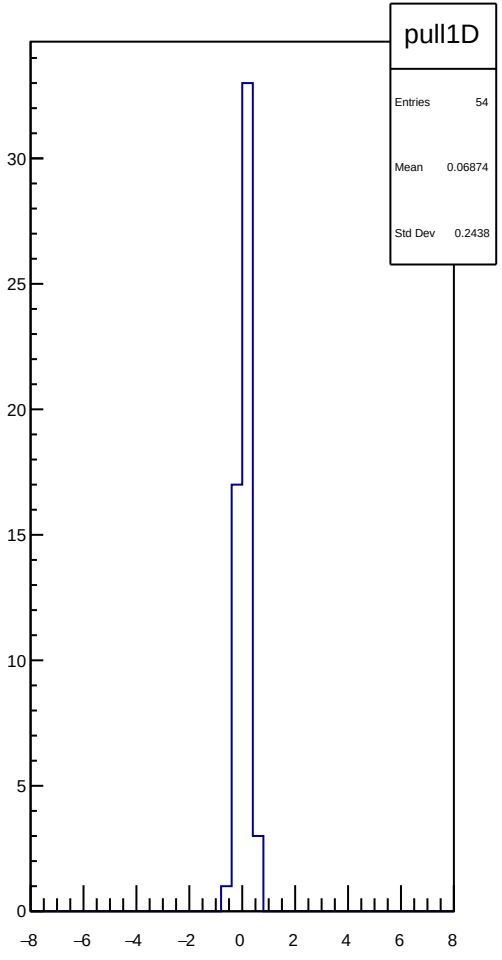

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 214.3 / 53
p0 −3.217 ± 0.1401
pull
Entries 54
Mean 47.82
Std Dev 0

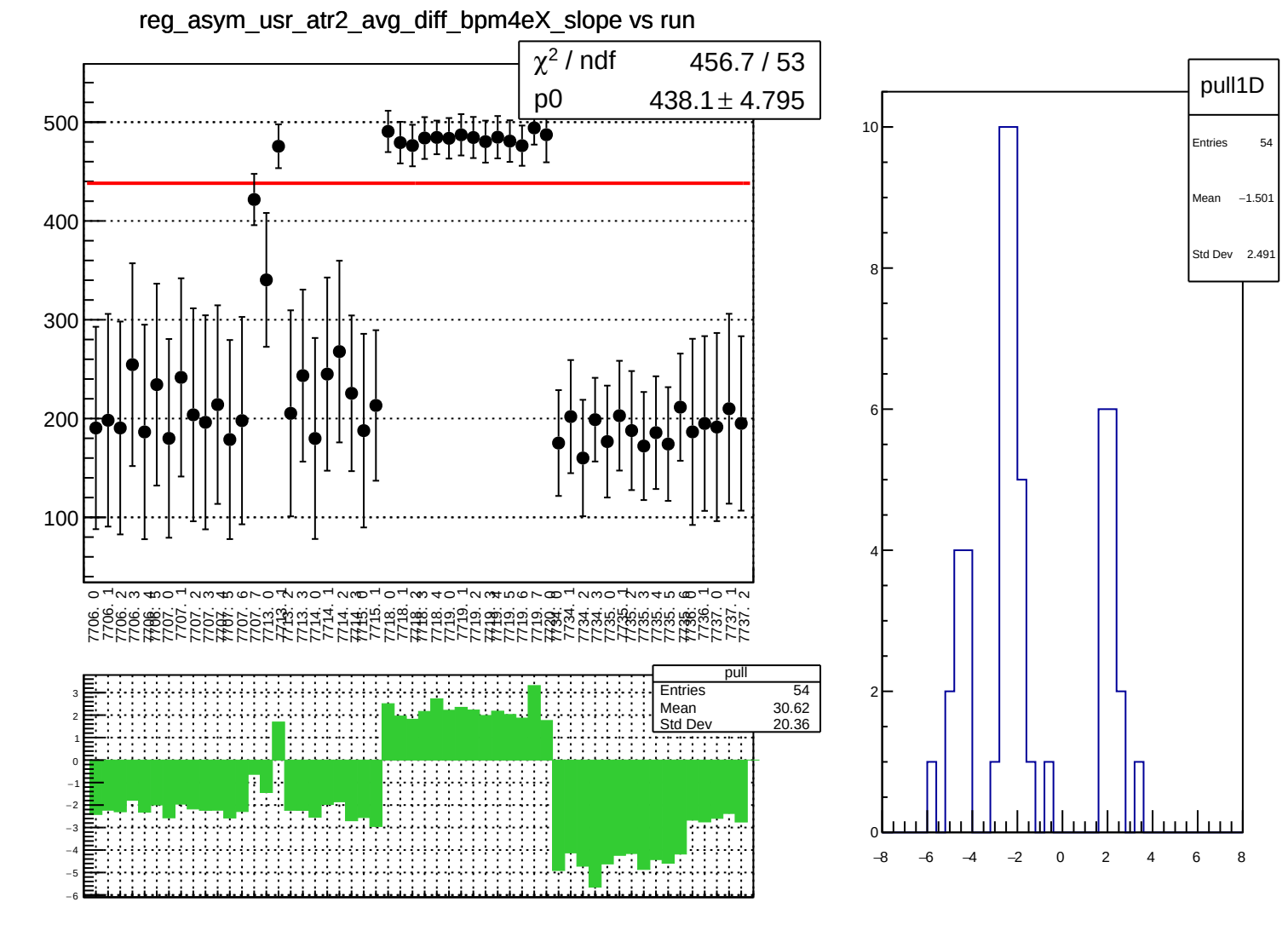

pull1D
Entries 54
Mean 0.1869
Std Dev 1.983

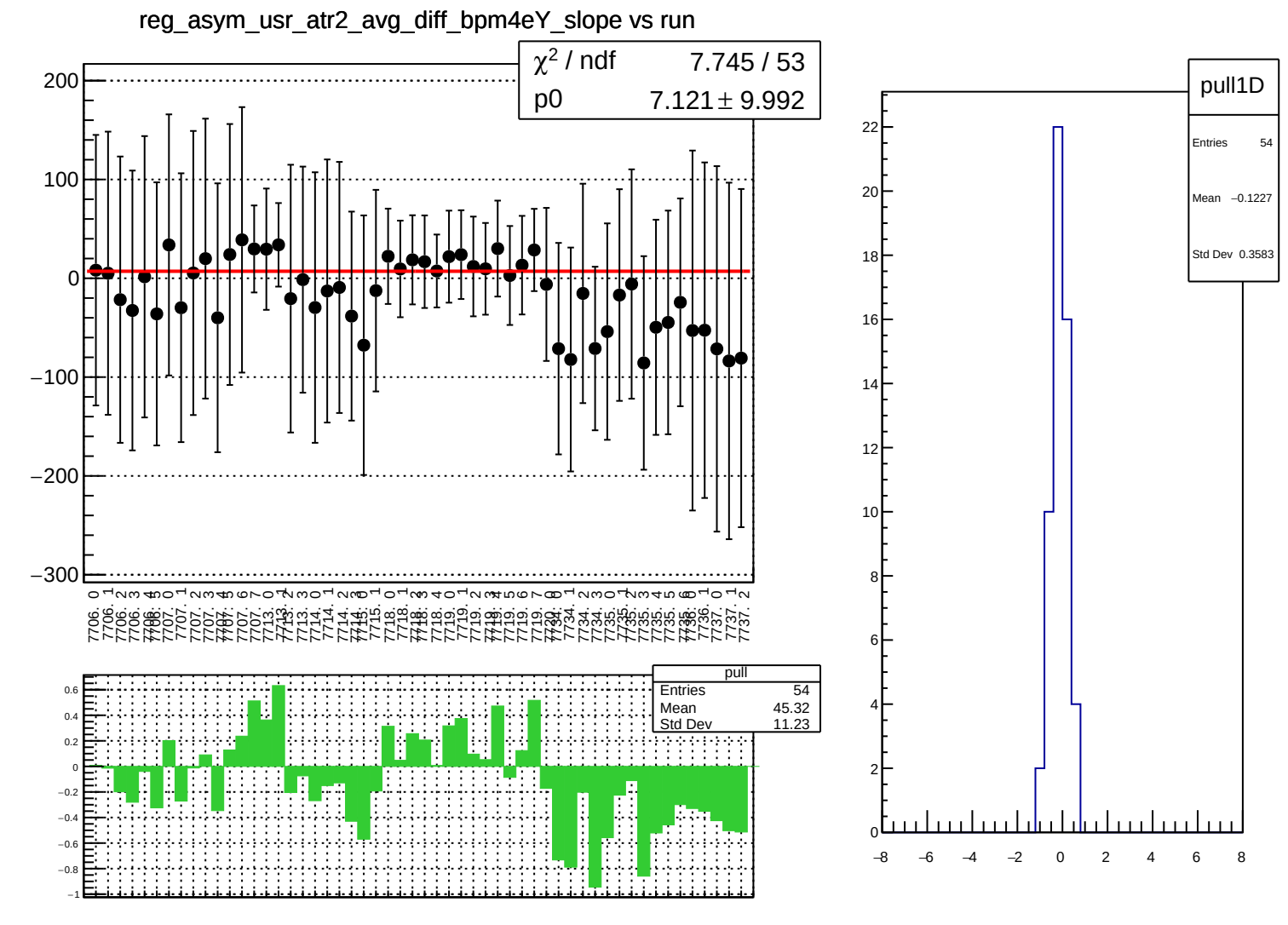

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 521.2 / 53
p0 −347.4 ± 5.775
pull
Entries 54
Mean 33.87
Std Dev 20.9

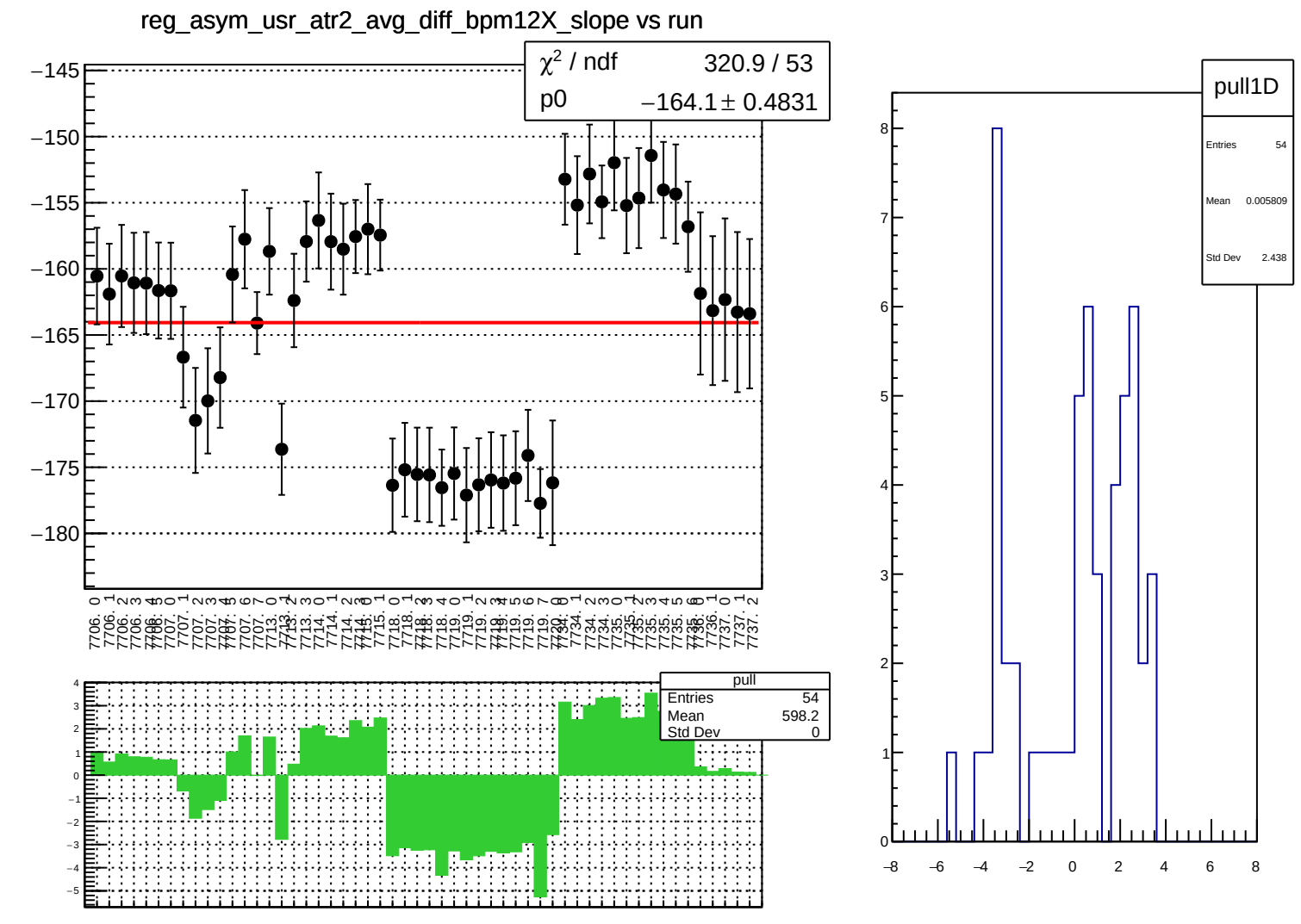

pull1D
Entries 54
Mean 1.318
Std Dev 2.814

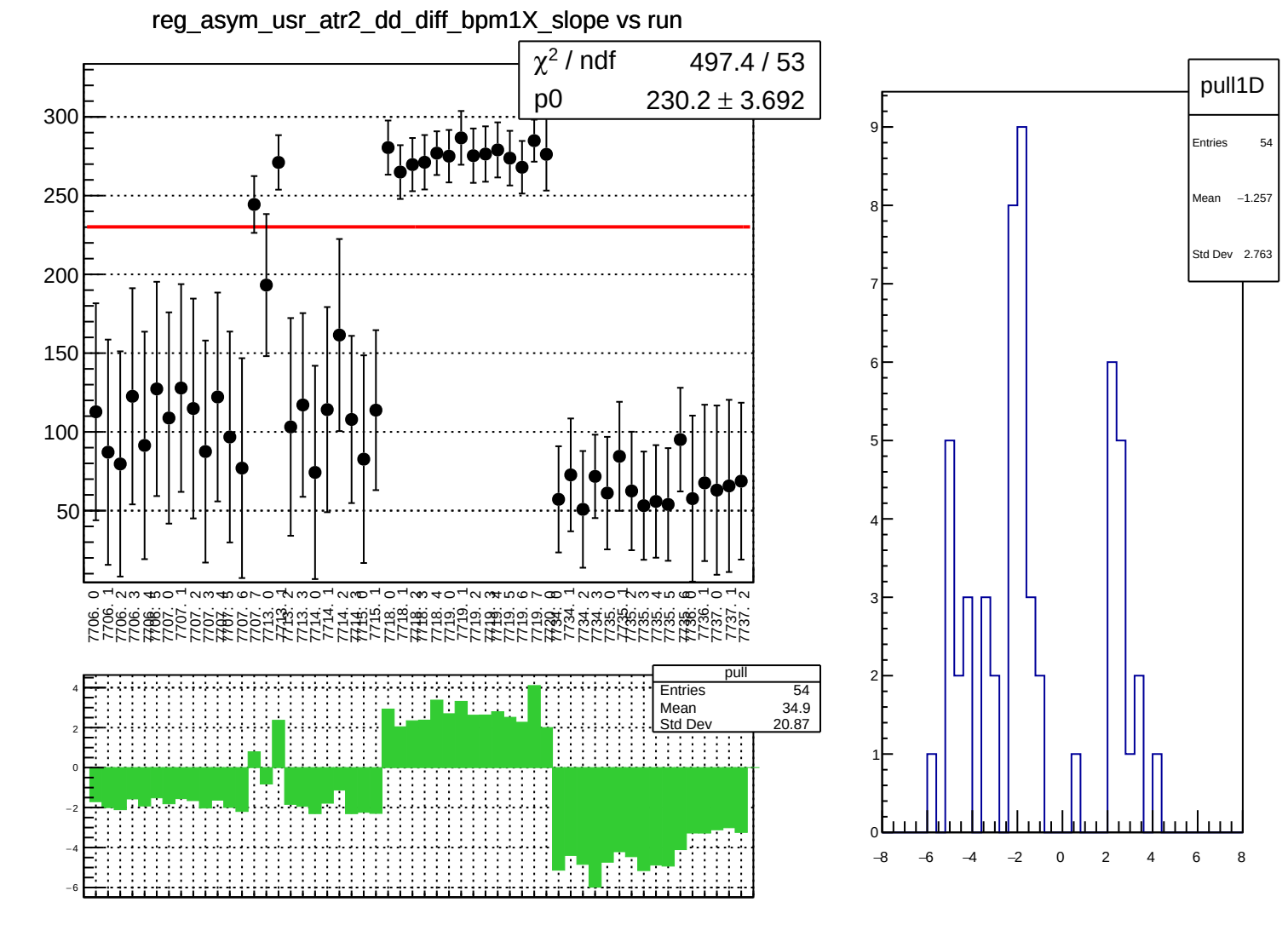

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.465 / 53
p0 50.95 ± 6.48
pull
Entries 54
Mean 25.56
Std Dev 18.62

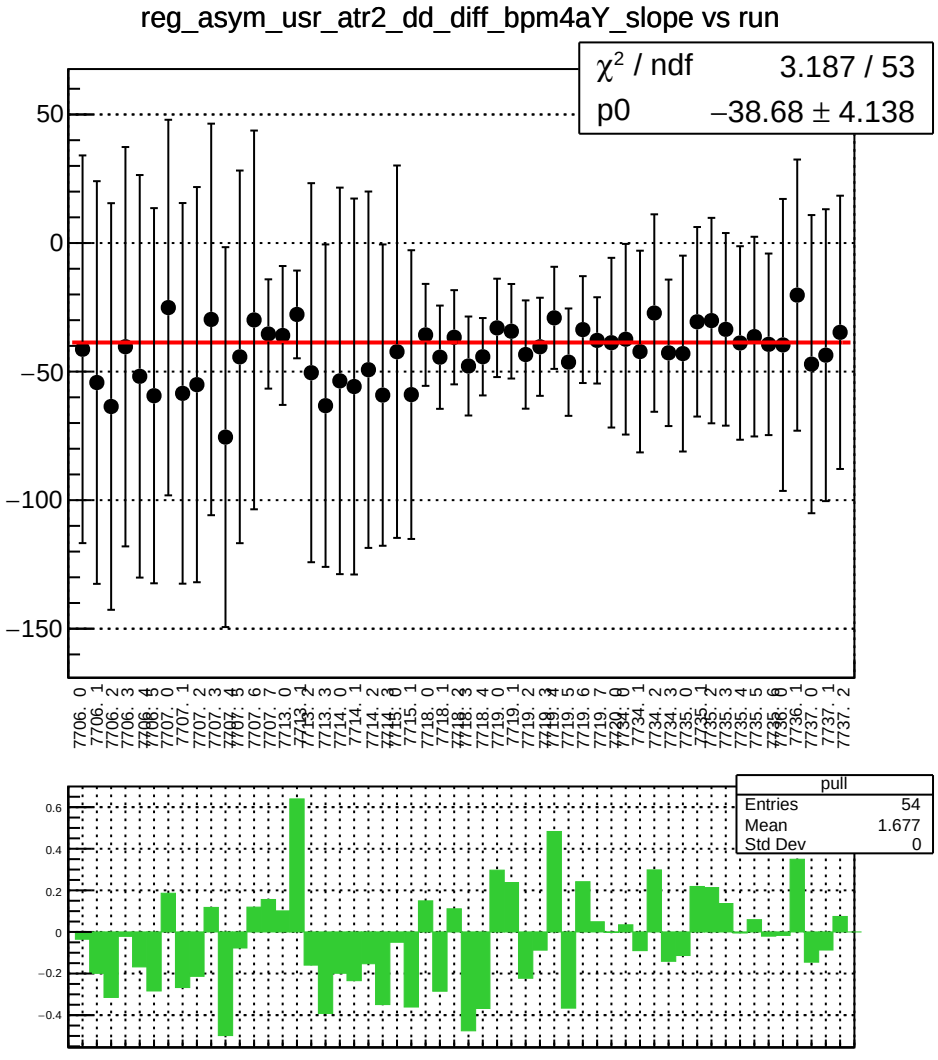

pull1D
Entries 54
Mean 0.06874
Std Dev 0.2438

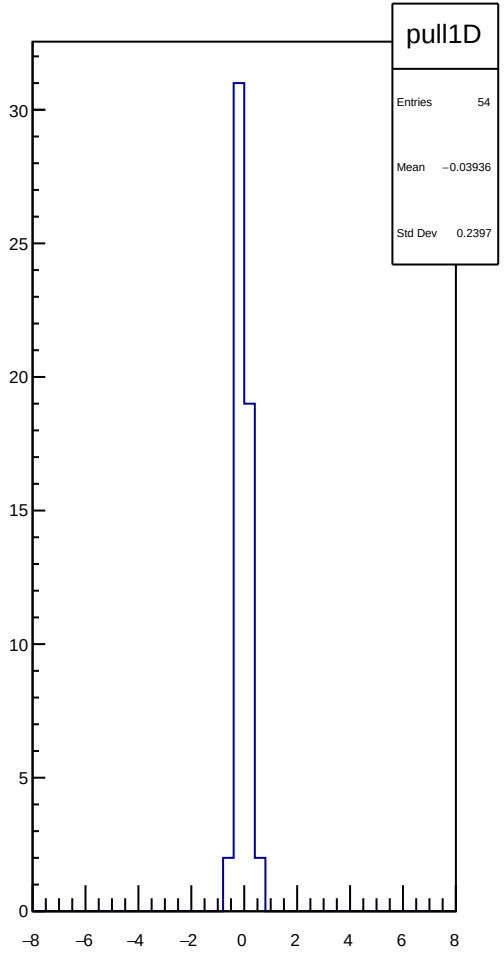

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 456.7 / 53
p0 438.1 ± 4.795
pull
Entries 54
Mean 30.62
Std Dev 20.36
pull1D
Entries 54
Mean −1.501
Std Dev 2.491

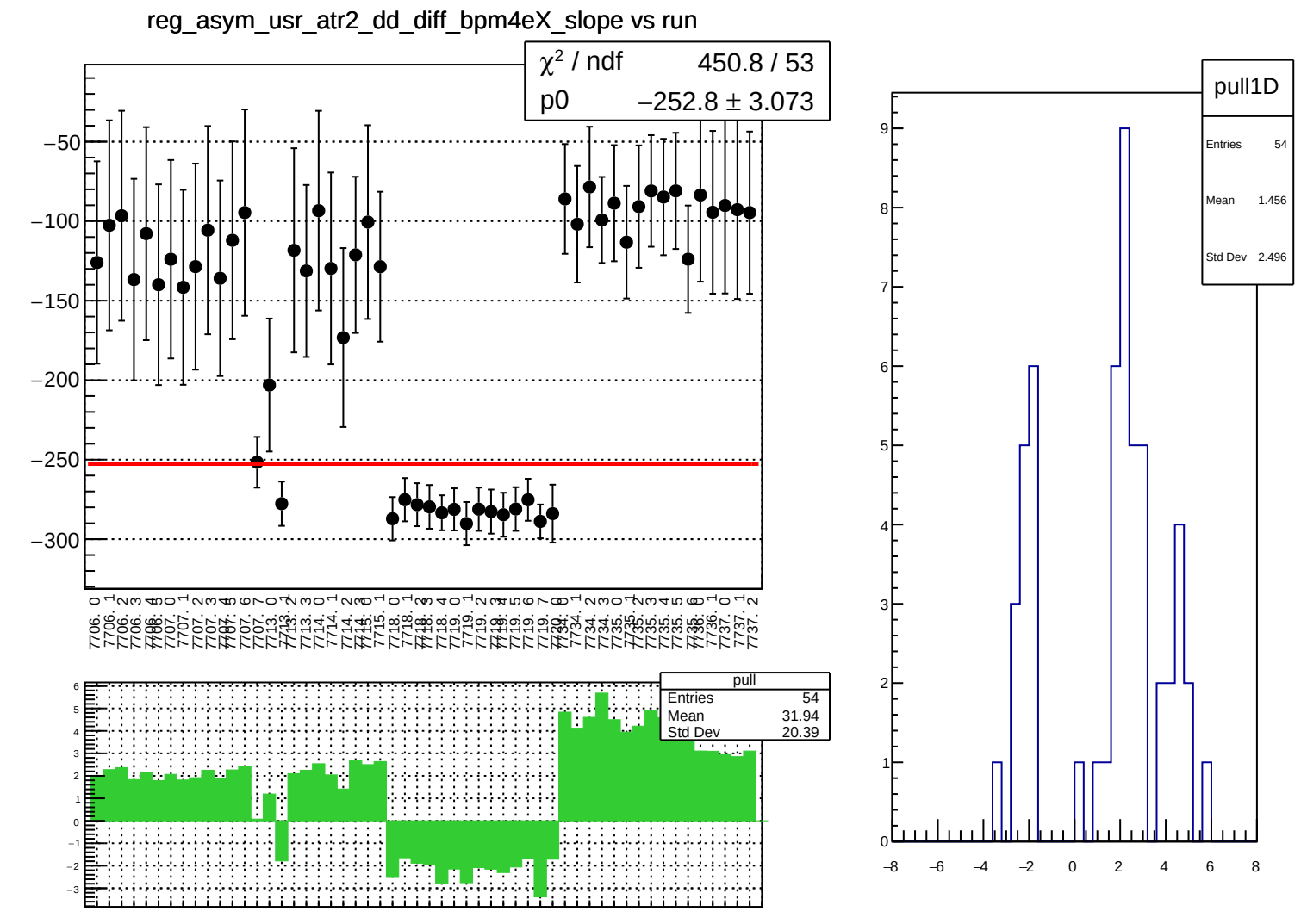

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.745 / 53
p0 7.121 ± 9.992
pull
Entries 54
Mean 45.32
Std Dev 11.23
pull1D
Entries 54
Mean −0.1227
Std Dev 0.3583

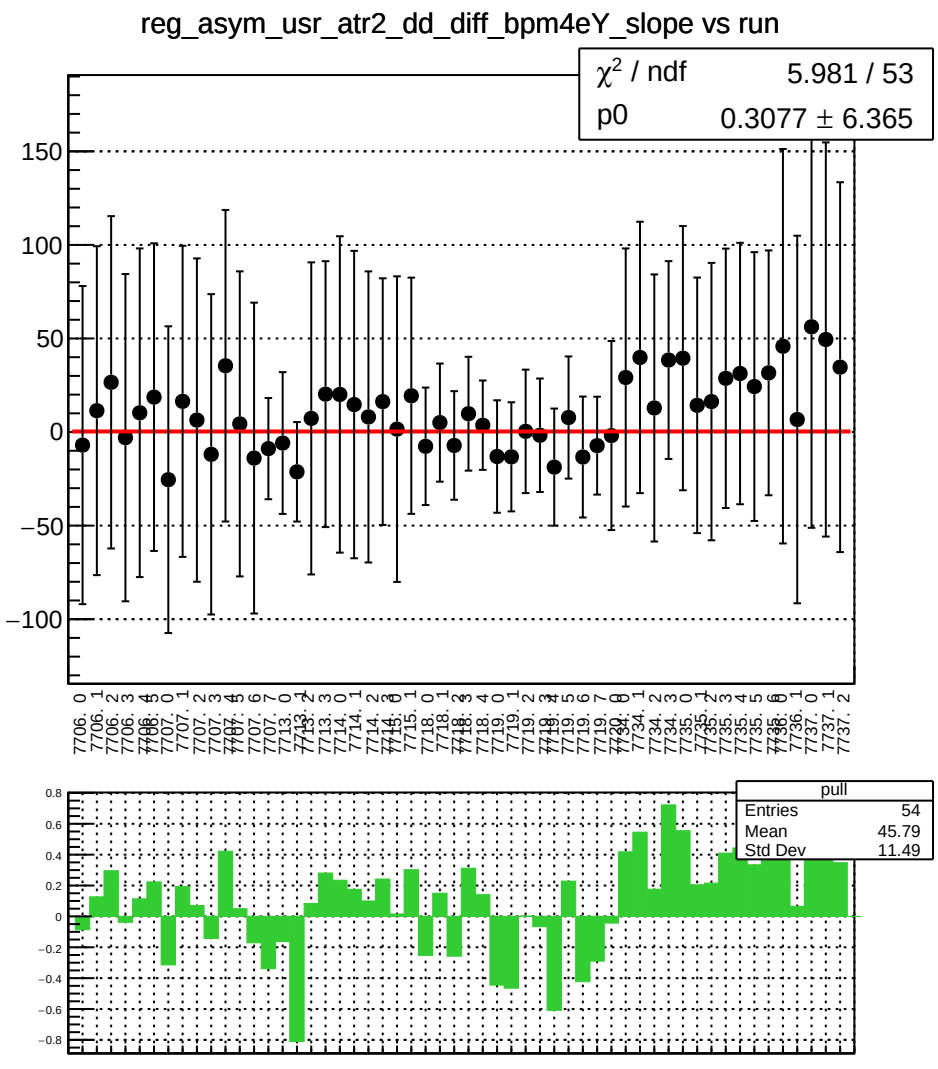

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 320.9 / 53
p0 −164.1 ± 0.4831
pull
Entries 54
Mean 598.2
Std Dev 0
pull1D
Entries 54
Mean 0.005809
Std Dev 2.438

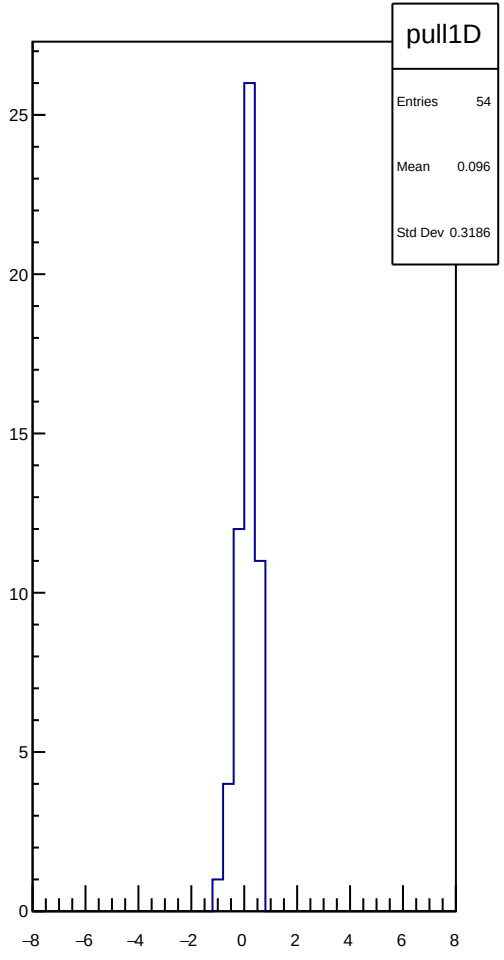

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 497.4 / 53
p0 230.2 ± 3.692
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7706. 5
7706. 6
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7713. 3
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7718. 4
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 54
Mean 34.9
Std Dev 20.87
4
2
0
−2
−4
−6
pull1D
Entries 54
Mean −1.257
Std Dev 2.763
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

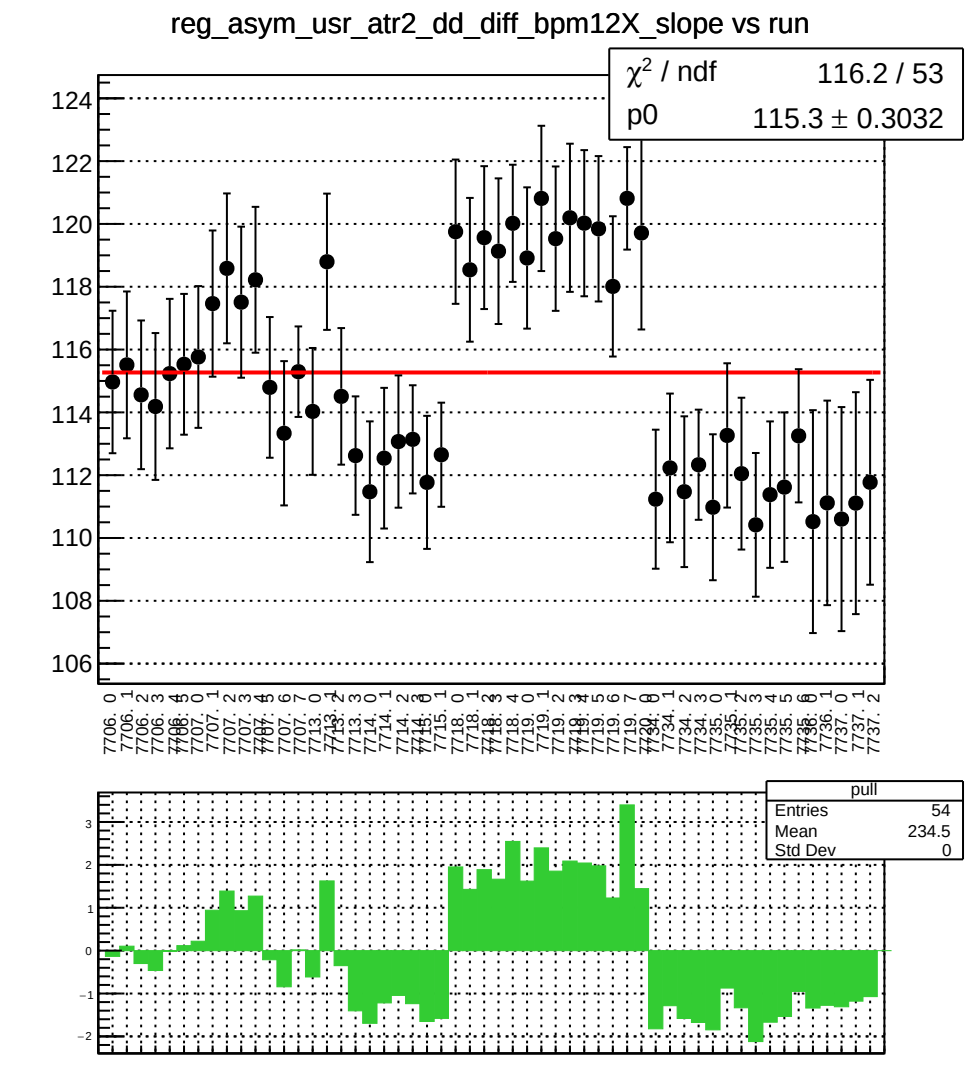

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.187 / 53
p0 −38.68 ± 4.138
pull
Entries 54
Mean 1.677
Std Dev 0

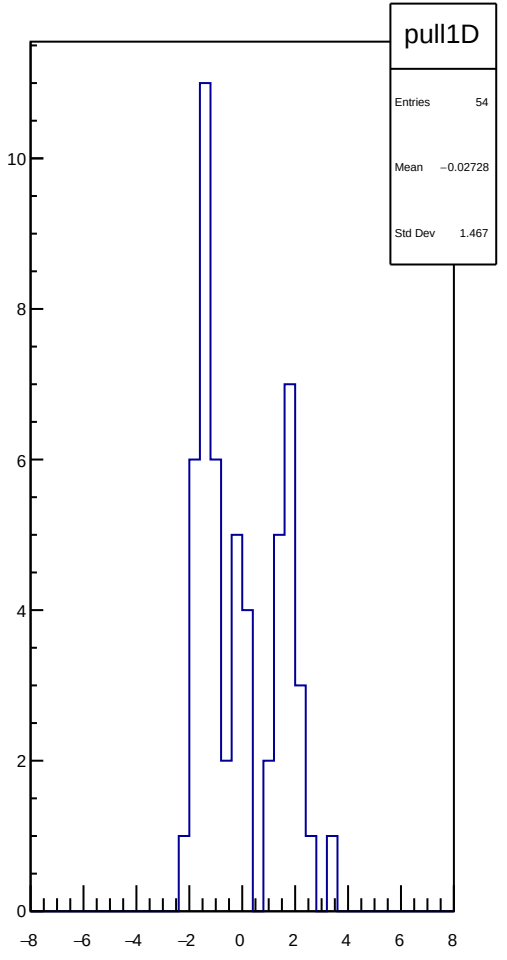

pull1D
Entries 54
Mean −0.03936
Std Dev 0.2397

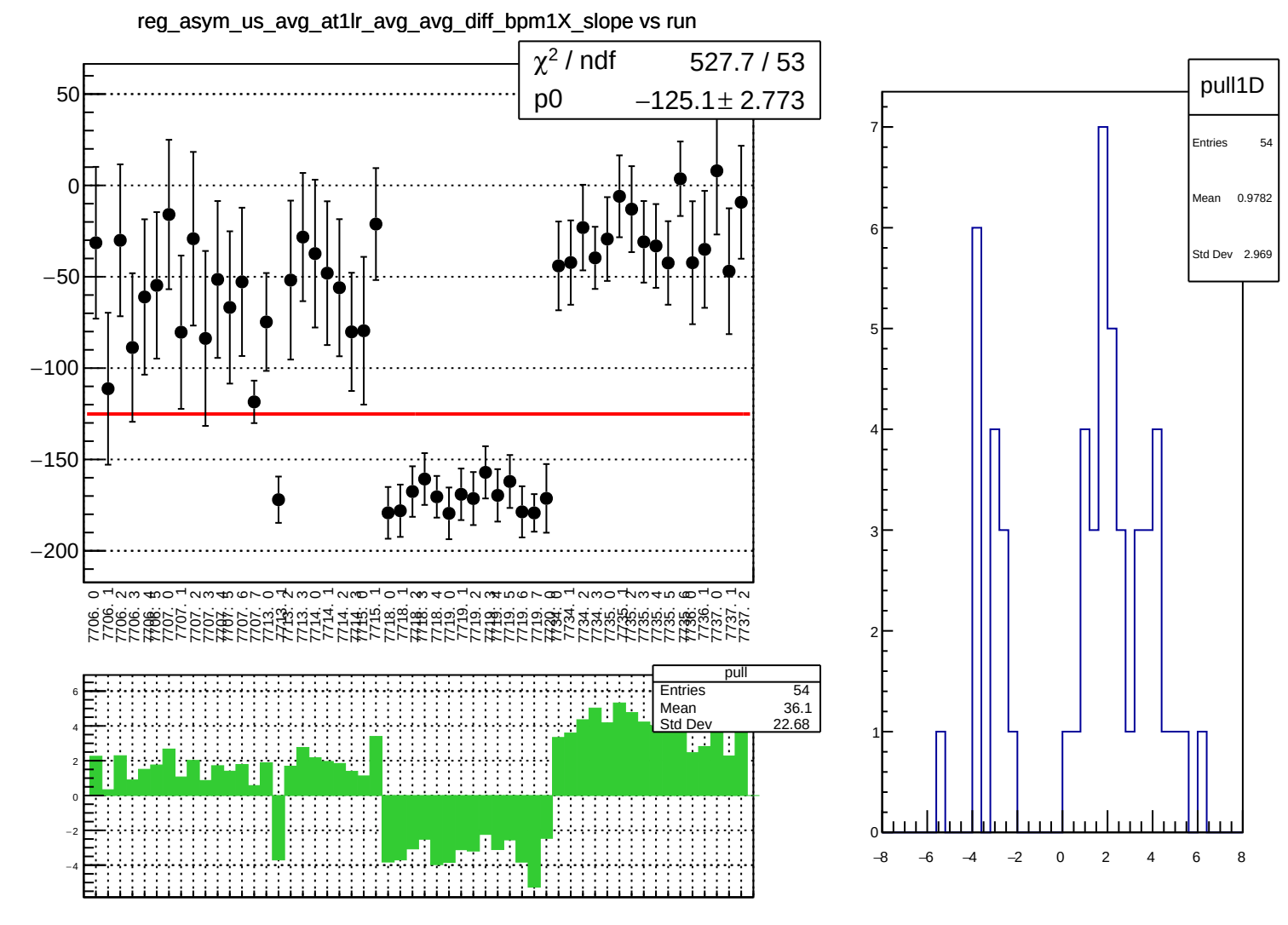

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 450.8 / 53
p0 −252.8 ± 3.073
pull
Entries 54
Mean 31.94
Std Dev 20.39
pull1D
Entries 54
Mean 1.456
Std Dev 2.496

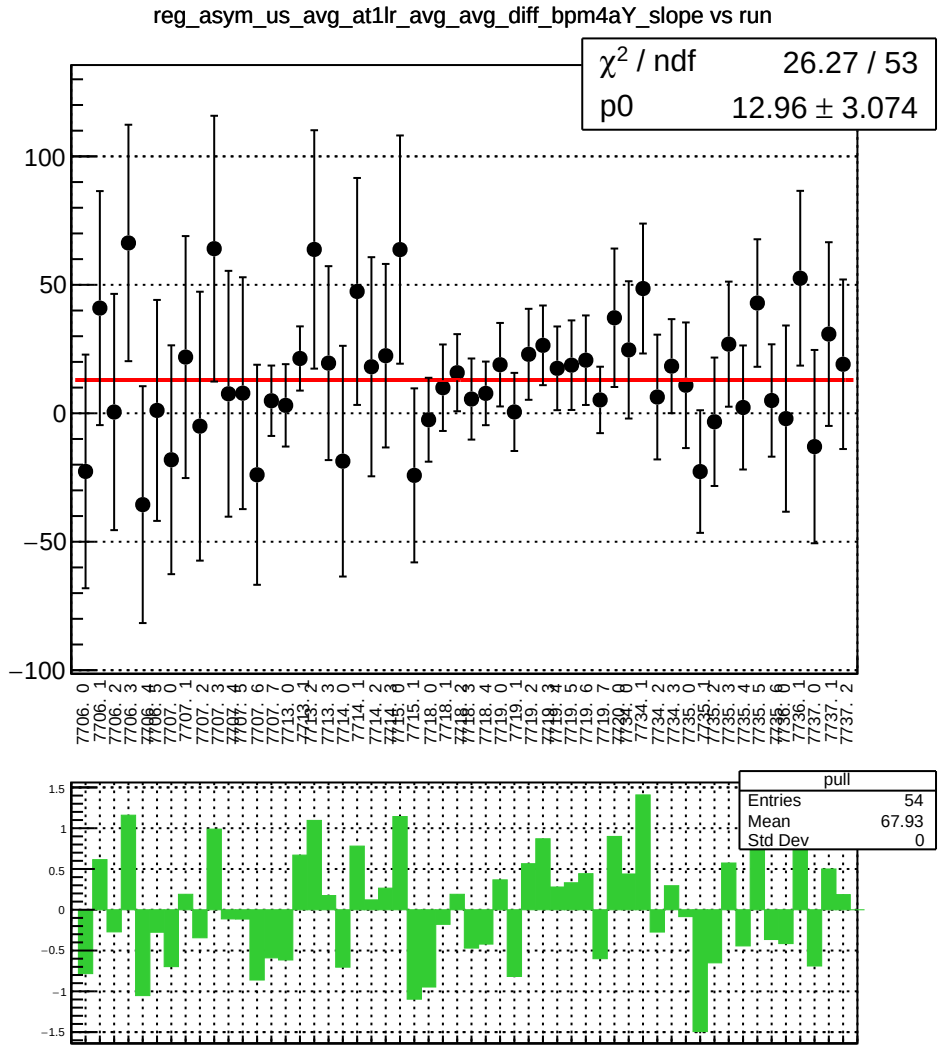

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.981 / 53
p0 0.3077 ± 6.365
pull
Entries 54
Mean 45.79
Std Dev 11.49

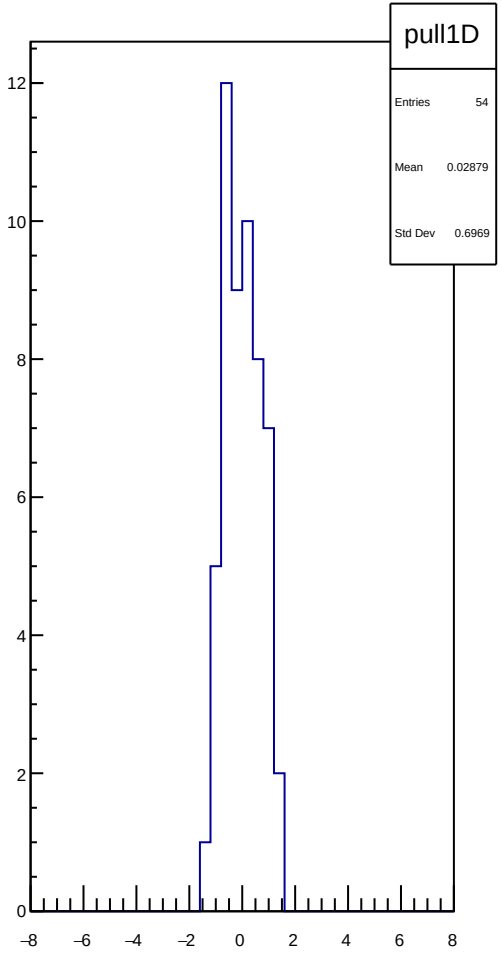

pull1D
Entries 54
Mean 0.096
Std Dev 0.3186

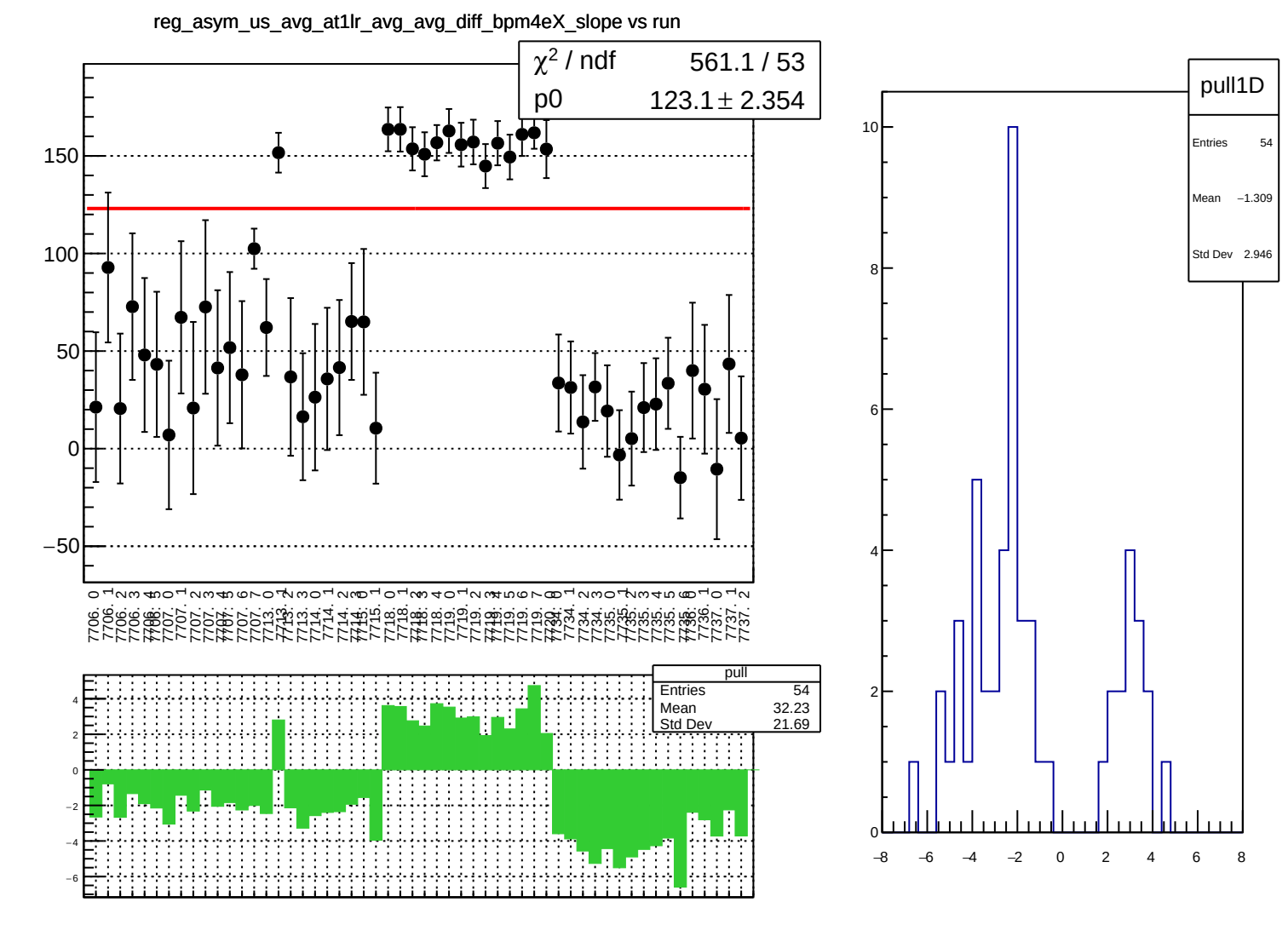

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 116.2 / 53
p0 115.3 ± 0.3032
pull
Entries 54
Mean 234.5
Std Dev 0

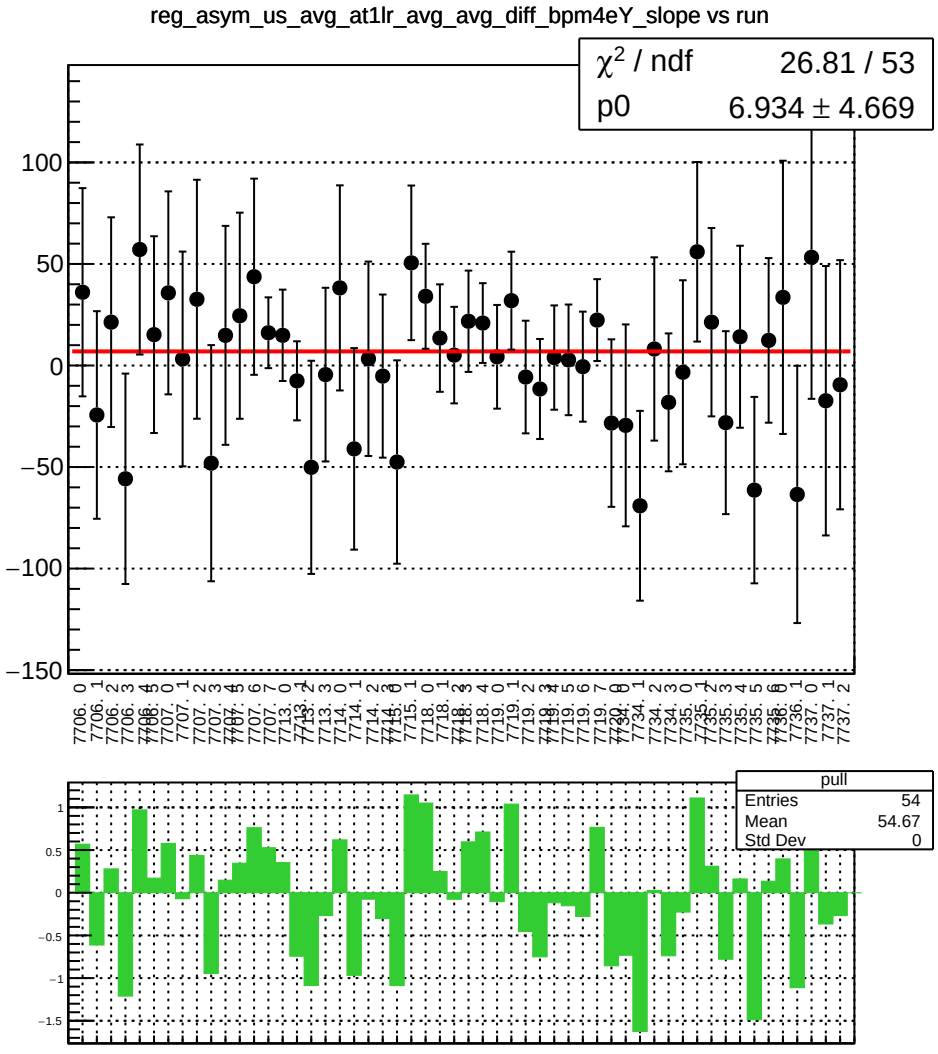

pull1D
Entries 54
Mean −0.02728
Std Dev 1.467

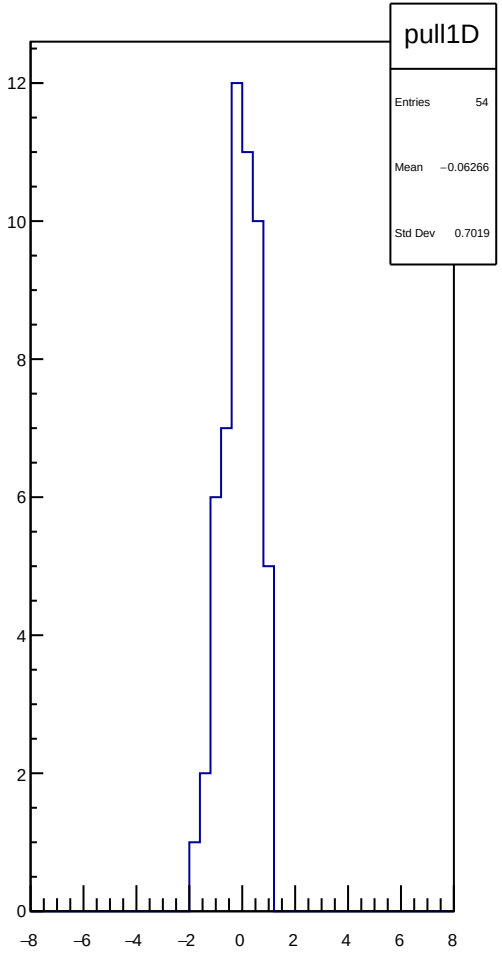

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 527.7 / 53
p0 −125.1± 2.773
pull
Entries 54
Mean 36.1
Std Dev 22.68
pull1D
Entries 54
Mean 0.9782
Std Dev 2.969

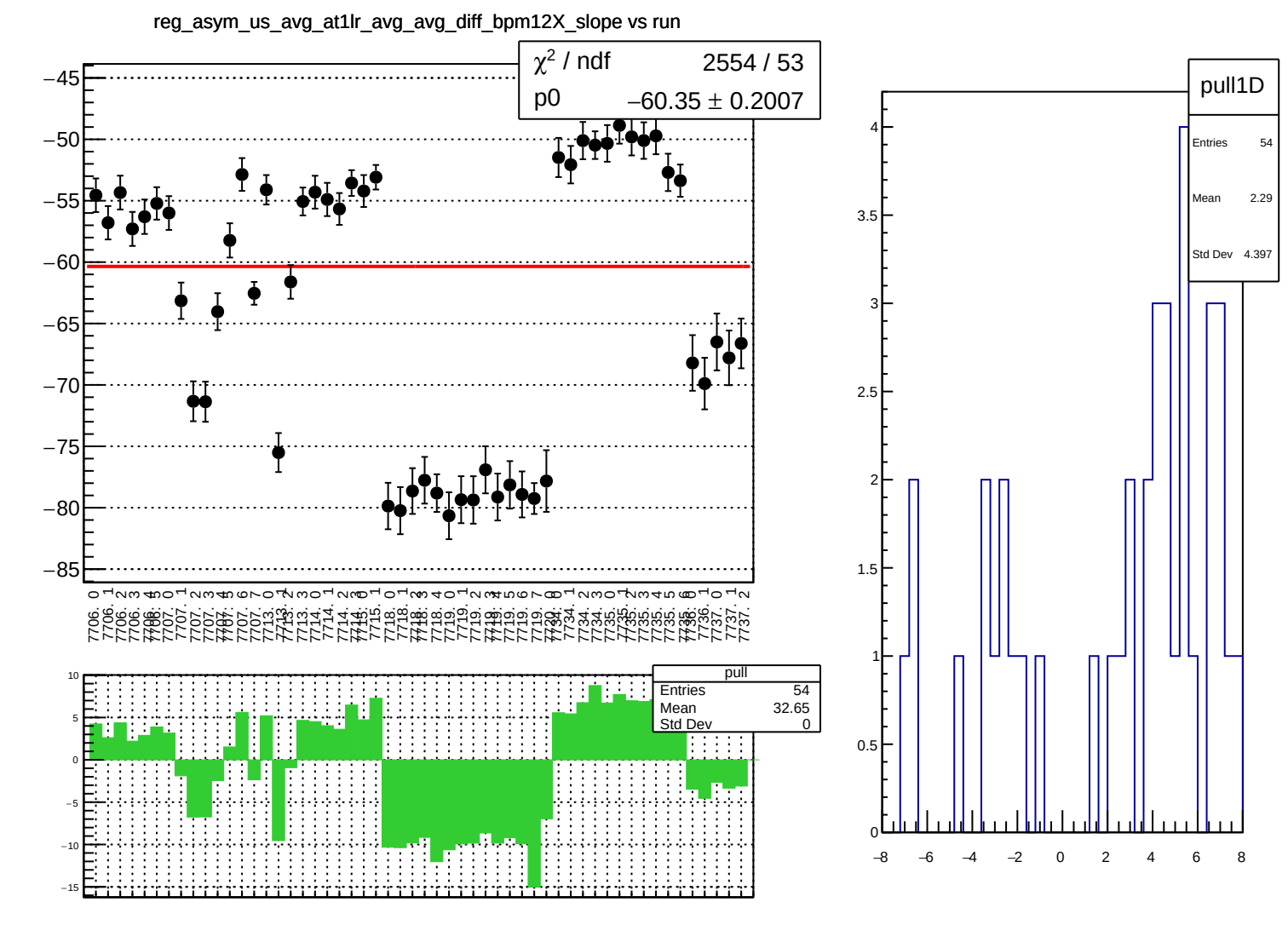

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.27 / 53
p0 12.96 ± 3.074
pull
Entries 54
Mean 67.93
Std Dev 0

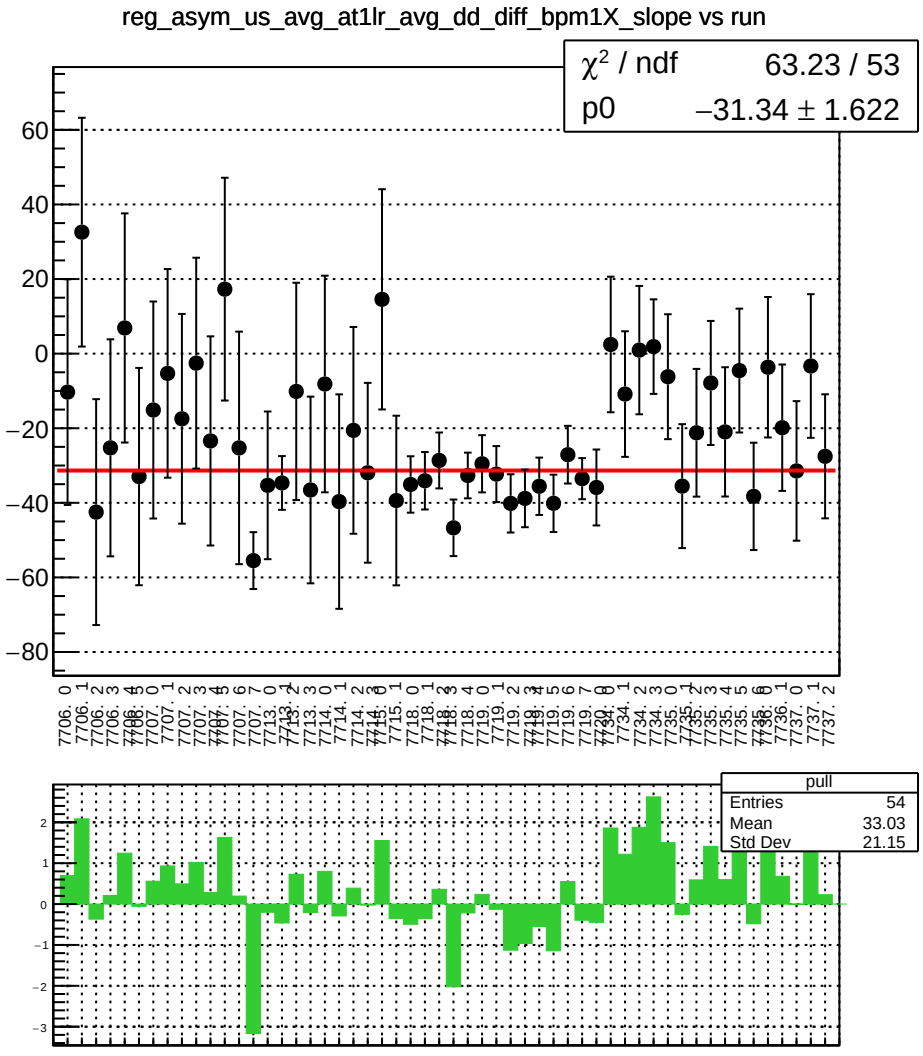

pull1D
Entries 54
Mean 0.02879
Std Dev 0.6969

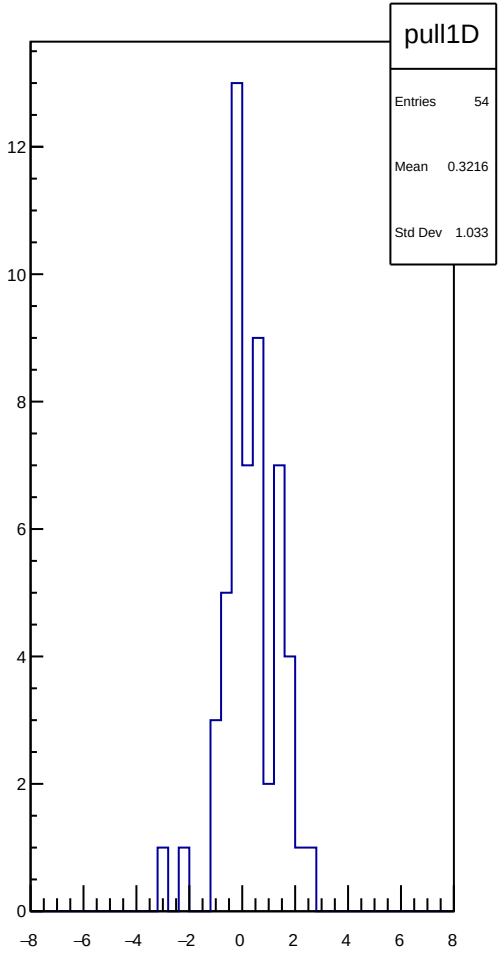

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 561.1 / 53
p0 123.1 ± 2.354
150
100
50
0
−50
pull
Entries 54
Mean 32.23
Std Dev 21.69
4
2
0
−2
−4
−6
pull1D
Entries 54
Mean −1.309
Std Dev 2.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

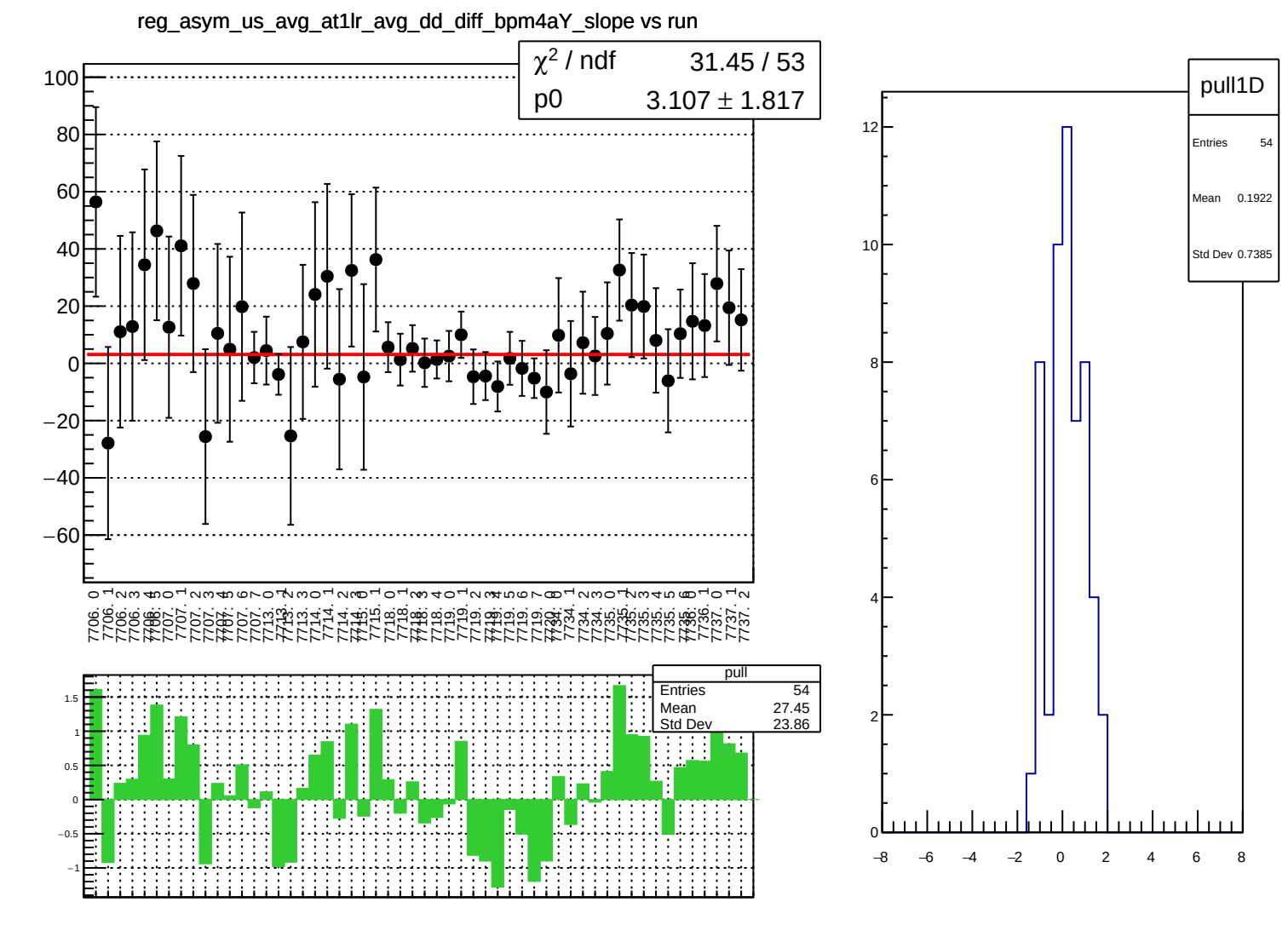

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.81 / 53
p0 6.934 ± 4.669
pull
Entries 54
Mean 54.67
Std Dev 0

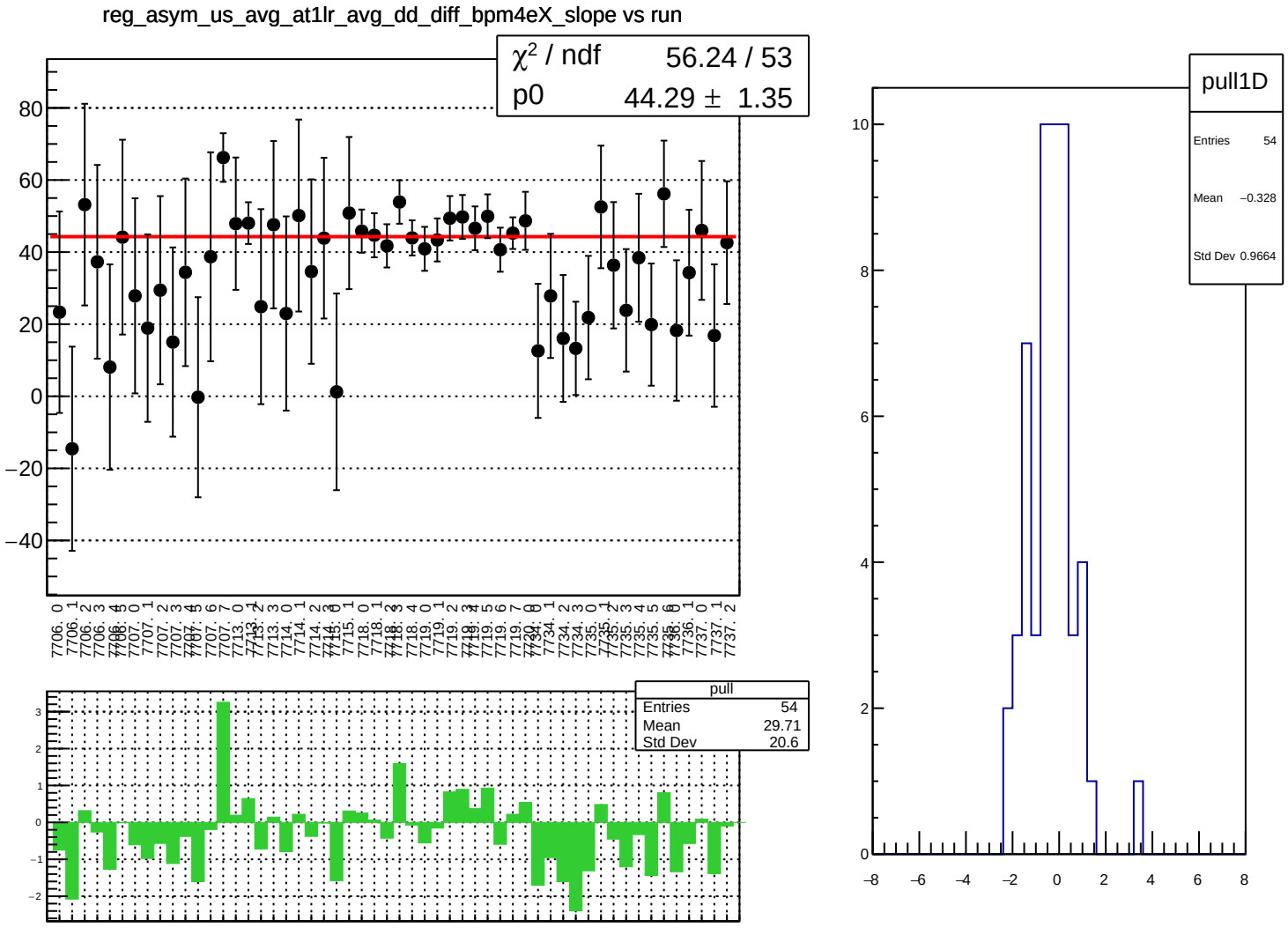

pull1D
Entries 54
Mean −0.06266
Std Dev 0.7019

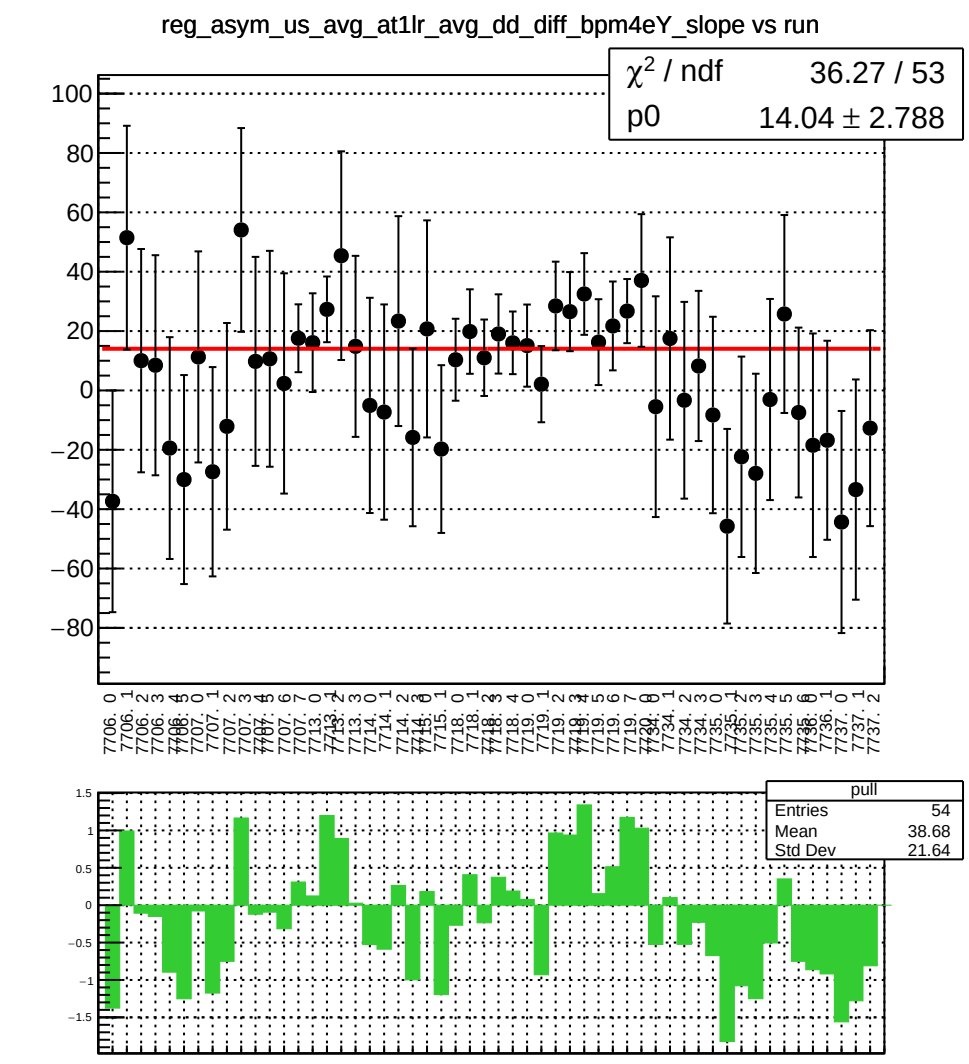

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 2554 / 53
p0 −60.35 ± 0.2007
pull
Entries 54
Mean 32.65
Std Dev 0
pull1D
Entries 54
Mean 2.29
Std Dev 4.397

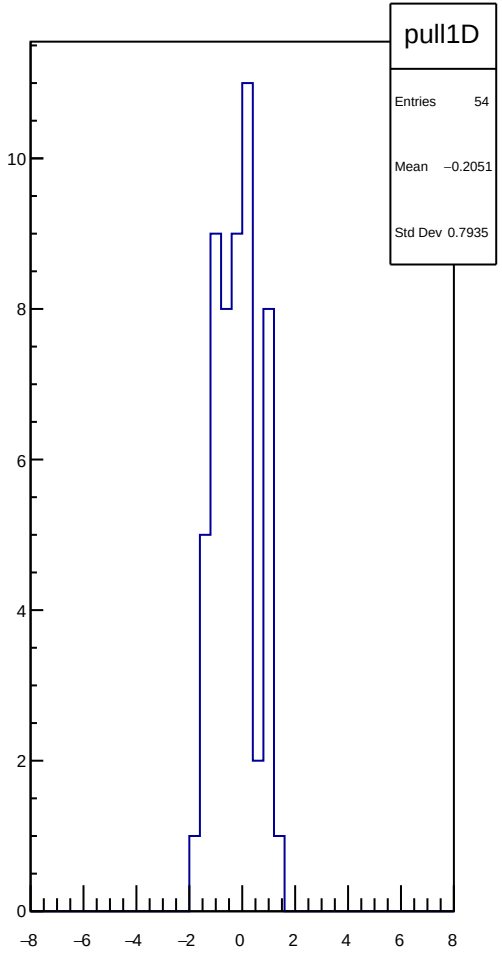

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 63.23 / 53
p0 −31.34 ± 1.622
pull
Entries 54
Mean 33.03
Std Dev 21.15

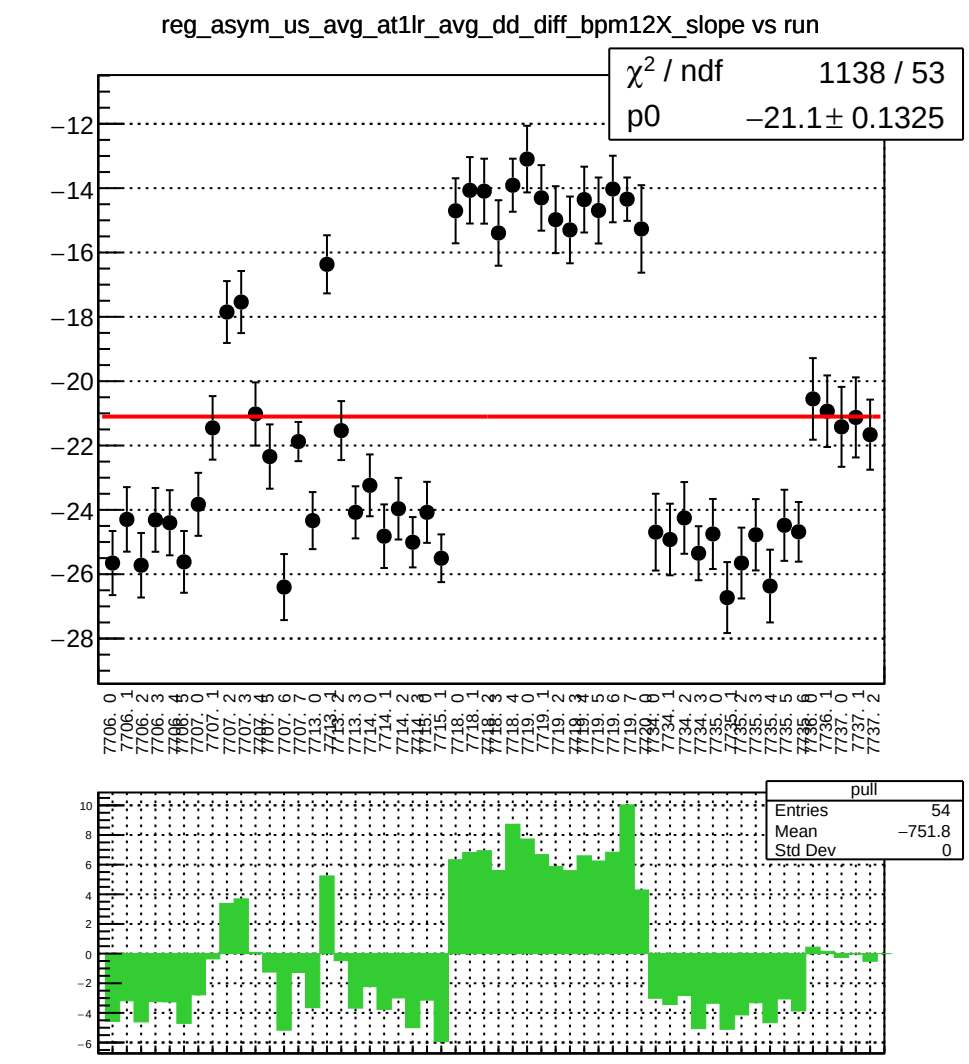

pull1D
Entries 54
Mean 0.3216
Std Dev 1.033

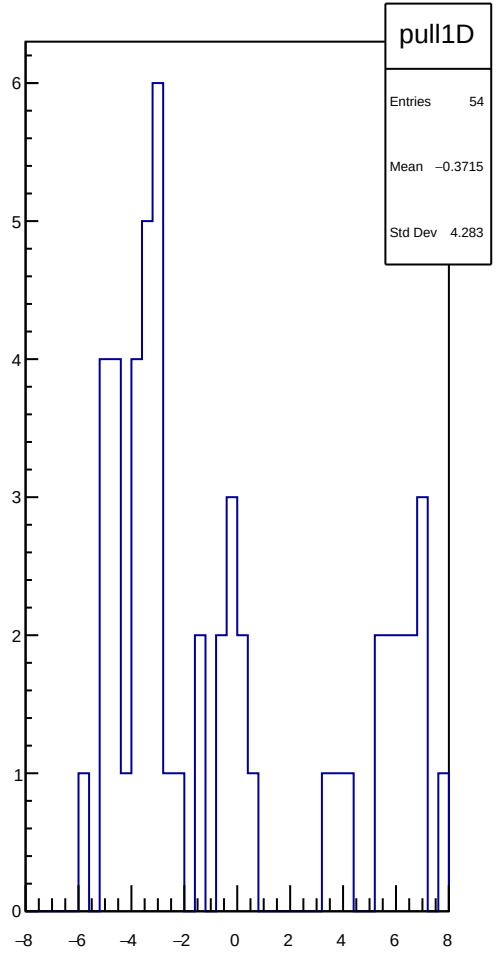

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.45 / 53
p0 3.107 ± 1.817
pull
Entries 54
Mean 27.45
Std Dev 23.86
pull1D
Entries 54
Mean 0.1922
Std Dev 0.7385

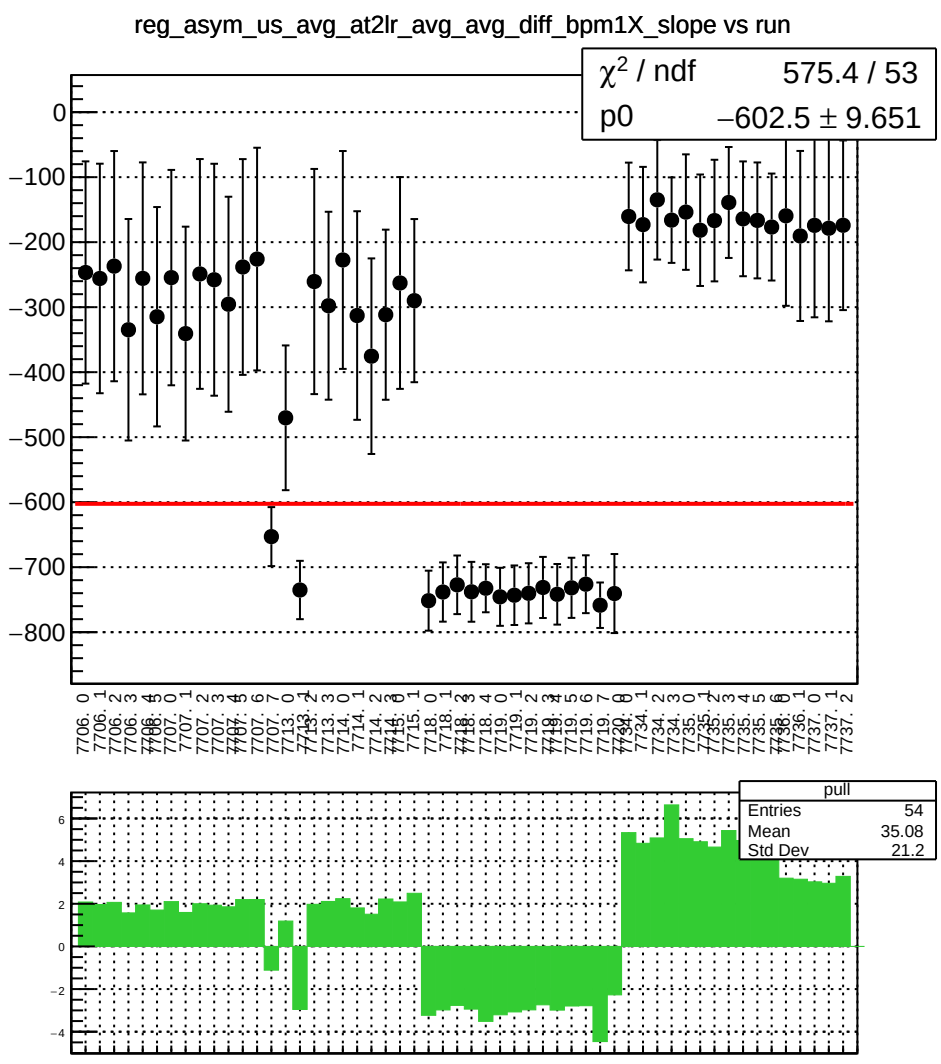

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.24 / 53
p0 44.29 ± 1.35
pull
Entries 54
Mean 29.71
Std Dev 20.6
pull1D
Entries 54
Mean −0.328
Std Dev 0.9664

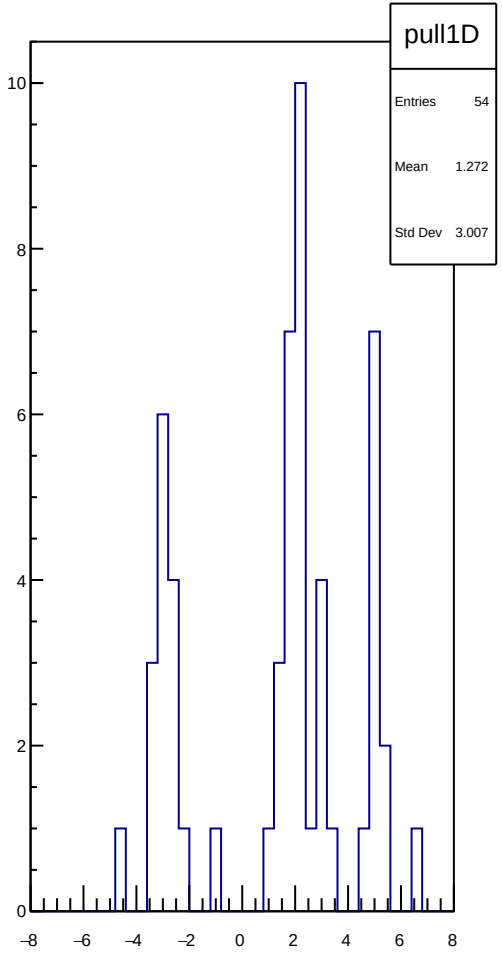

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.27 / 53
p0 14.04 ± 2.788
pull
Entries 54
Mean 38.68
Std Dev 21.64

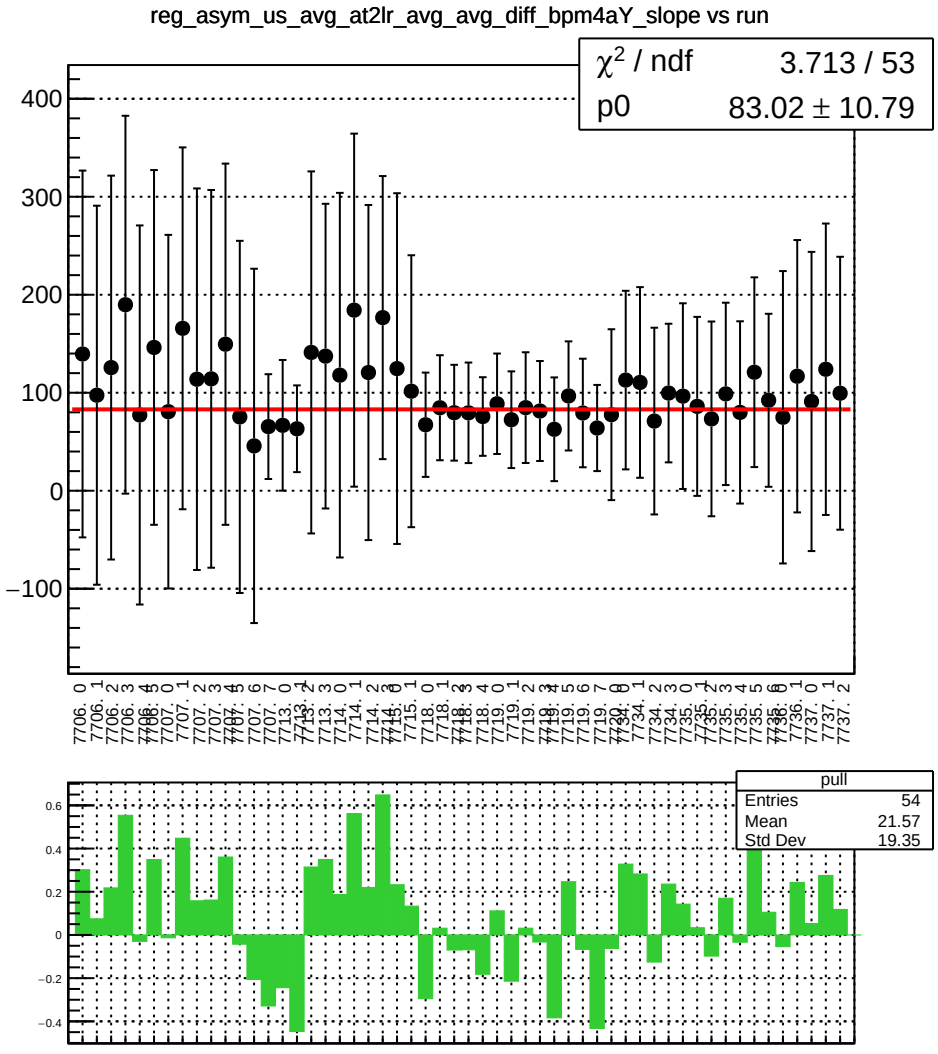

pull1D
Entries 54
Mean −0.2051
Std Dev 0.7935

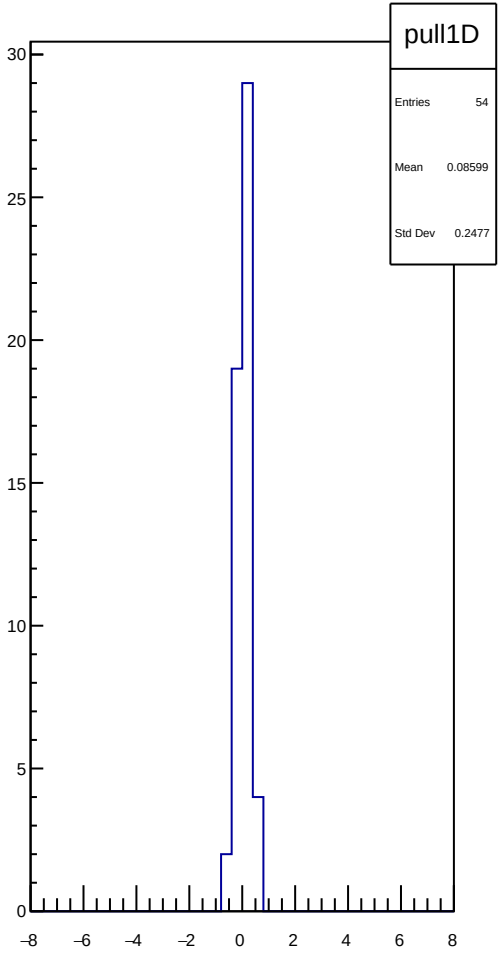

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1138 / 53
p0 −21.1 ± 0.1325
pull
Entries 54
Mean −751.8
Std Dev 0

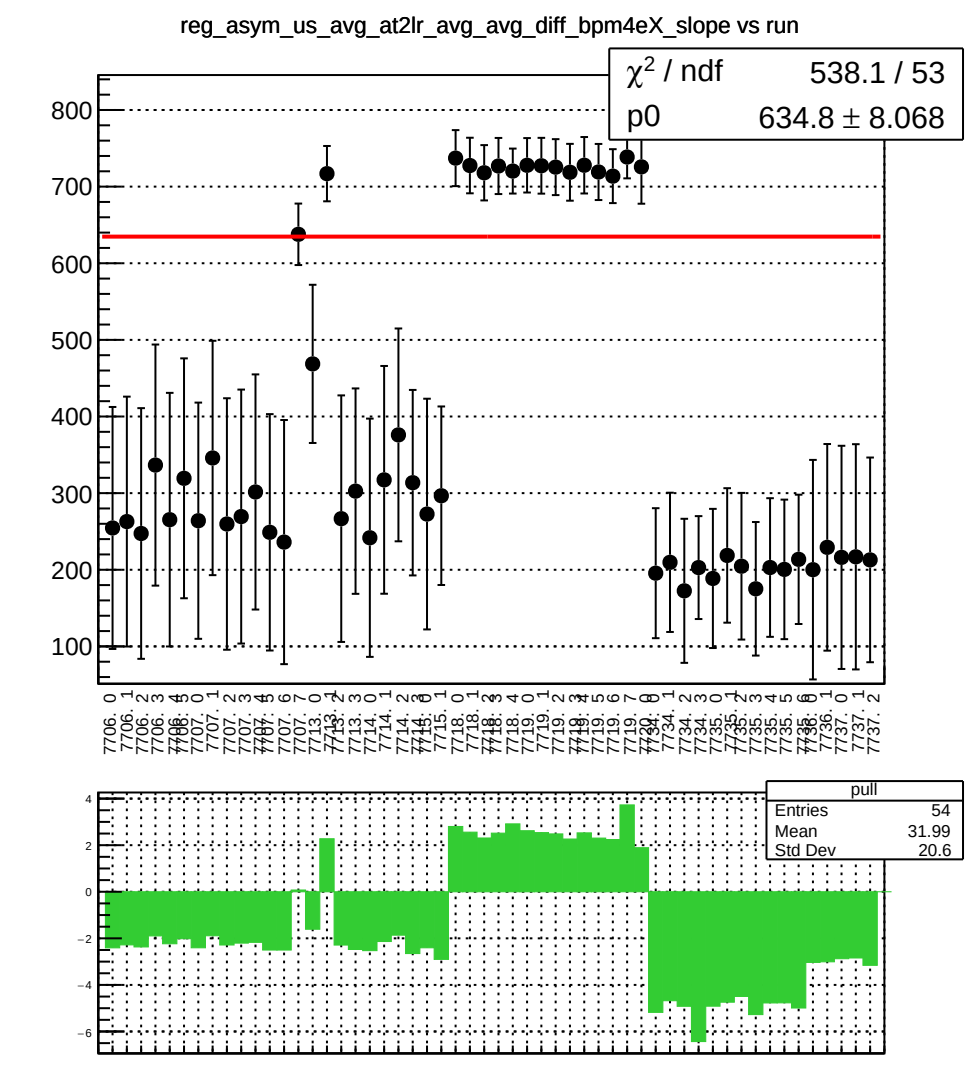

pull1D
Entries 54
Mean −0.3715
Std Dev 4.283

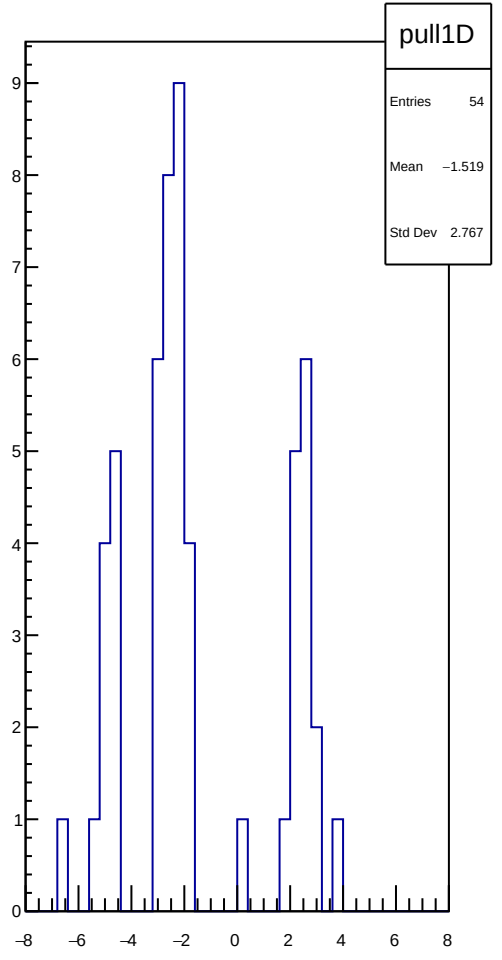

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 575.4 / 53
p0 −602.5 ± 9.651
pull
Entries 54
Mean 35.08
Std Dev 21.2

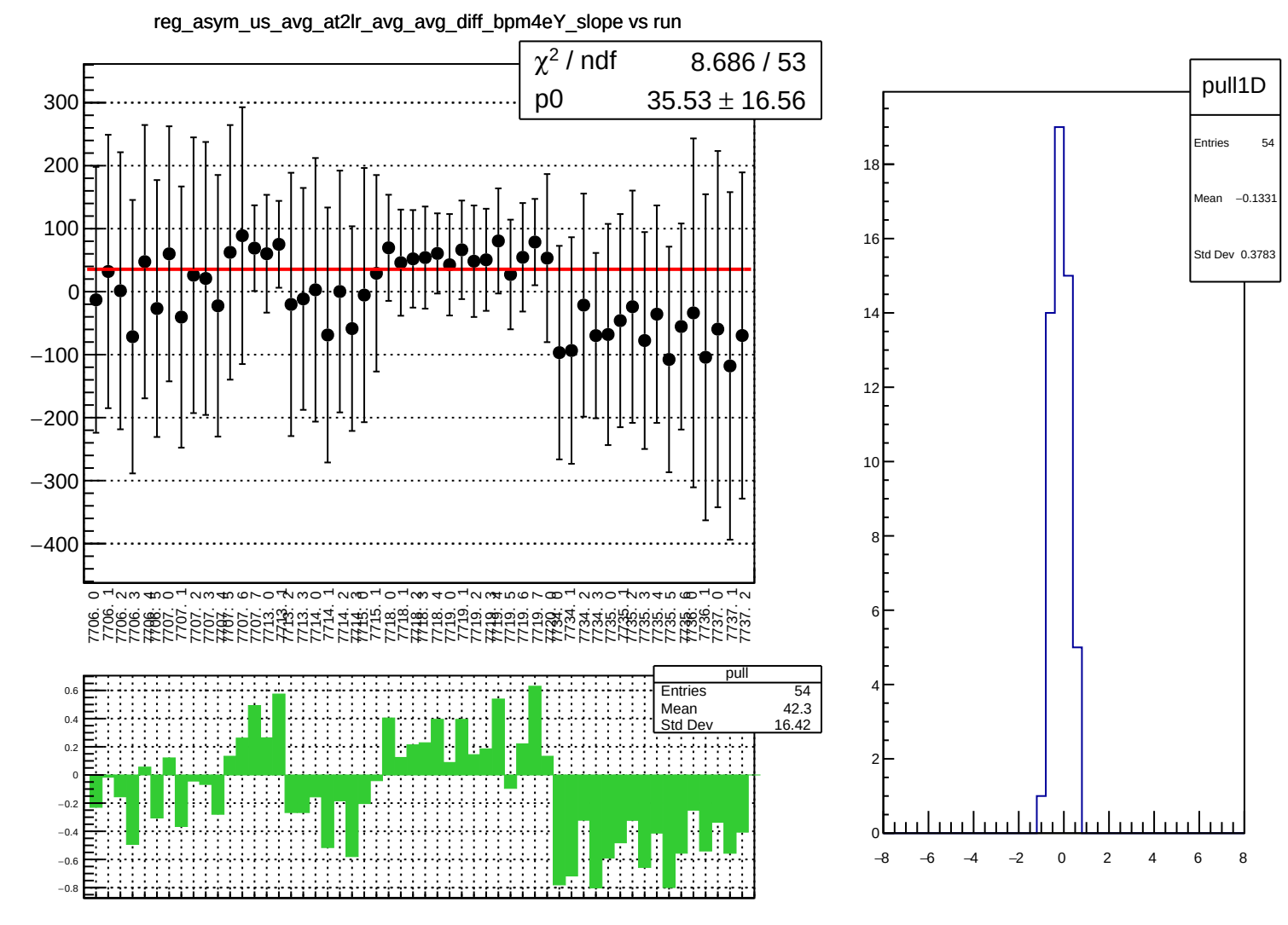

pull1D
Entries 54
Mean 1.272
Std Dev 3.007

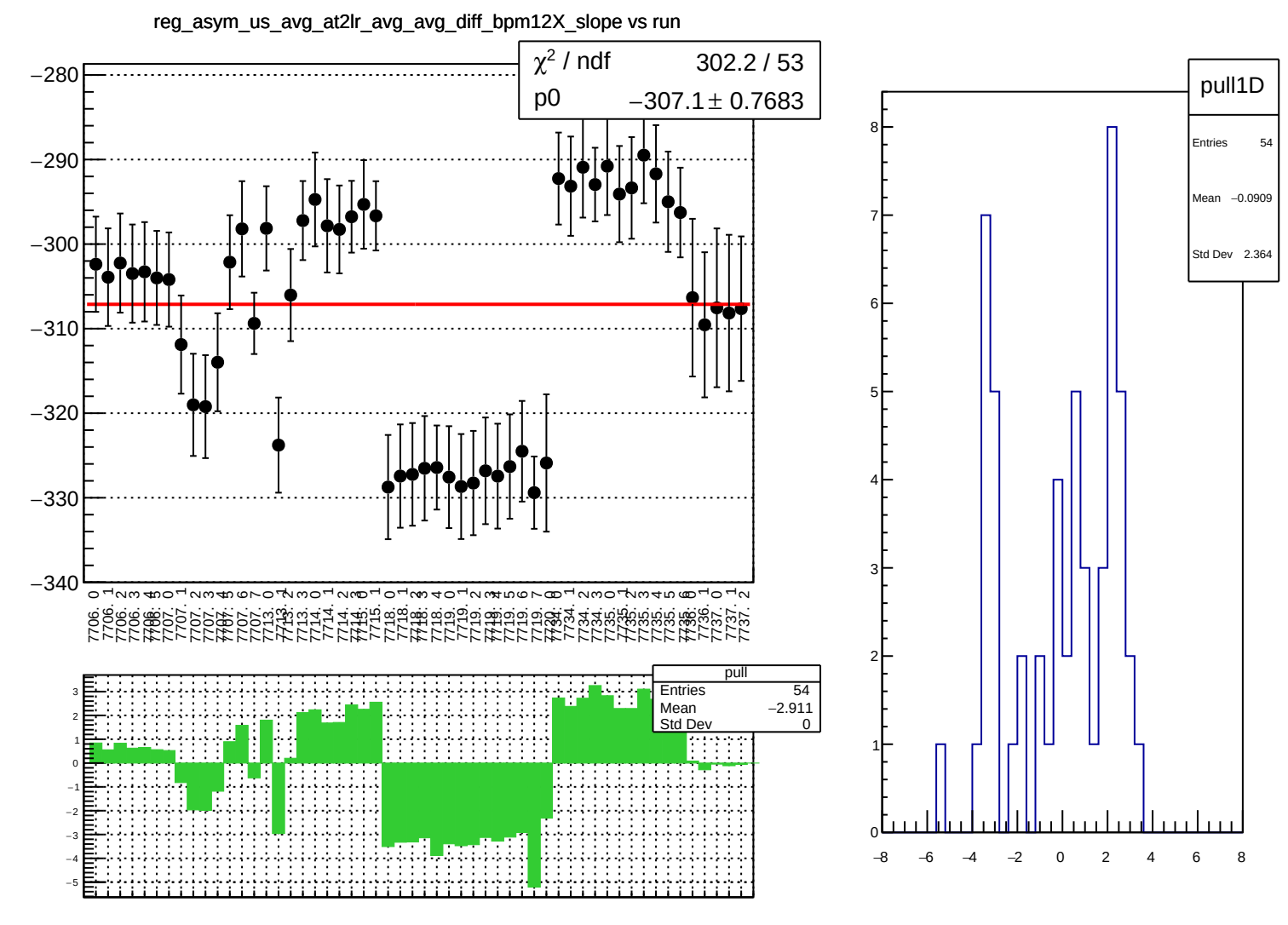

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.713 / 53
p0 83.02 ± 10.79
pull
Entries 54
Mean 21.57
Std Dev 19.35

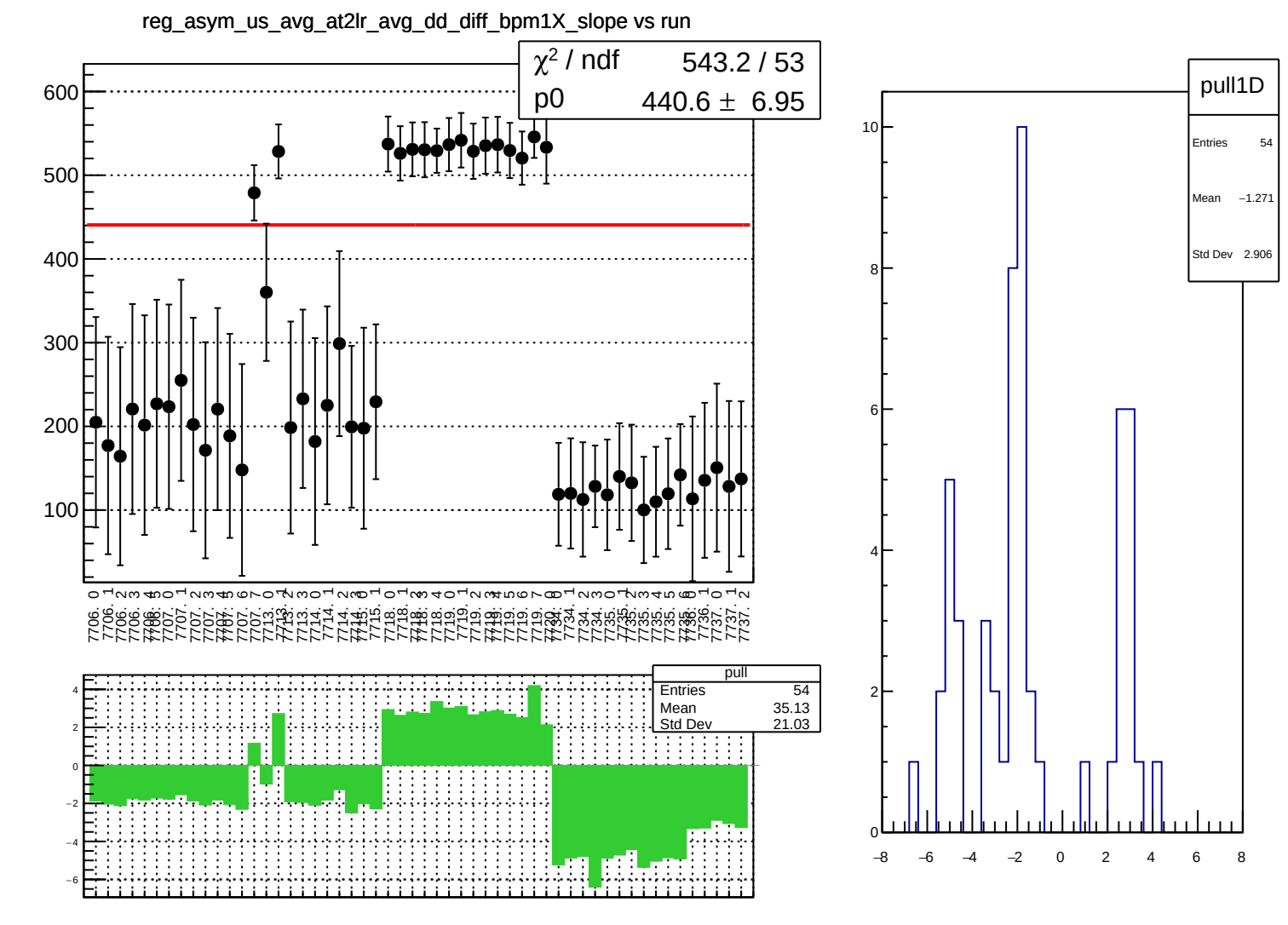

pull1D
Entries 54
Mean 0.08599
Std Dev 0.2477

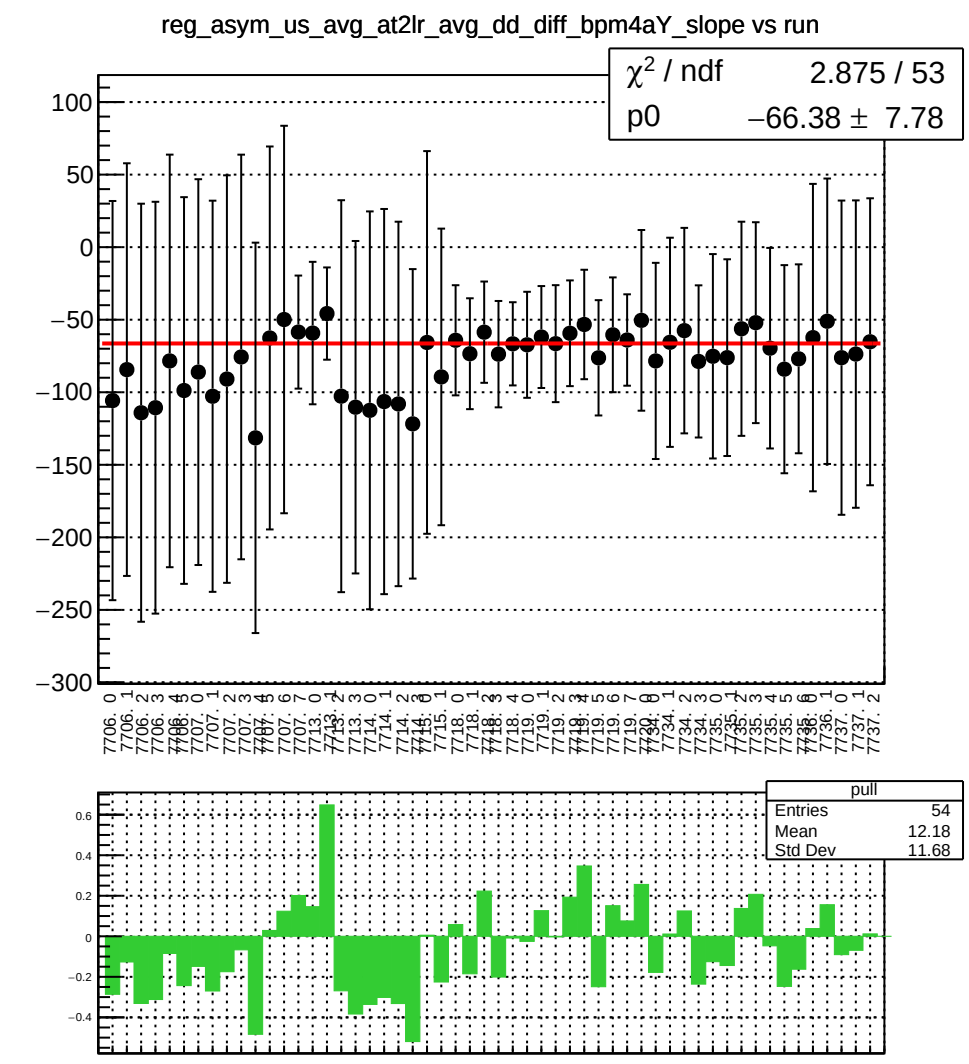

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 538.1 / 53
p0 634.8 ± 8.068
pull
Entries 54
Mean 31.99
Std Dev 20.6

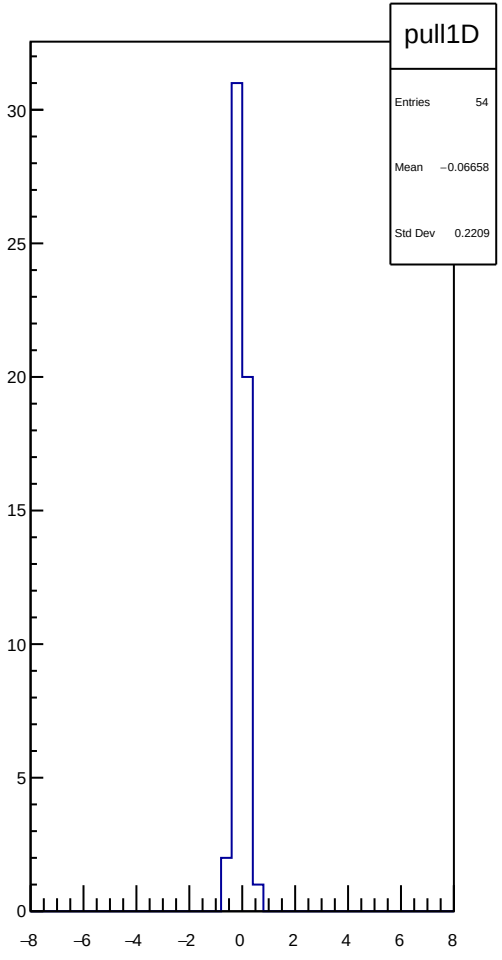

pull1D
Entries 54
Mean −1.519
Std Dev 2.767

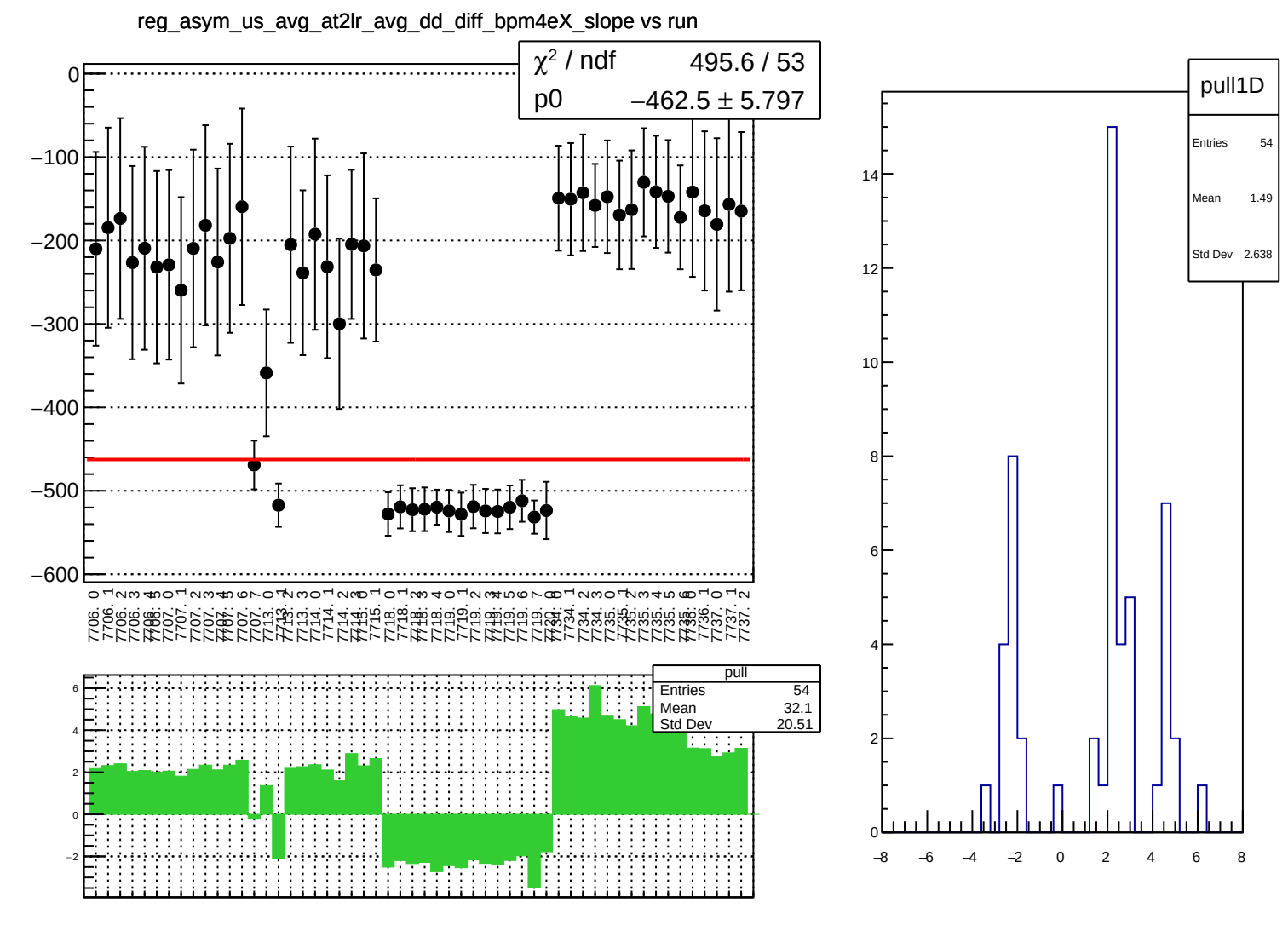

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.686 / 53
p0 35.53 ± 16.56
pull
Entries 54
Mean 42.3
Std Dev 16.42
pull1D
Entries 54
Mean −0.1331
Std Dev 0.3783

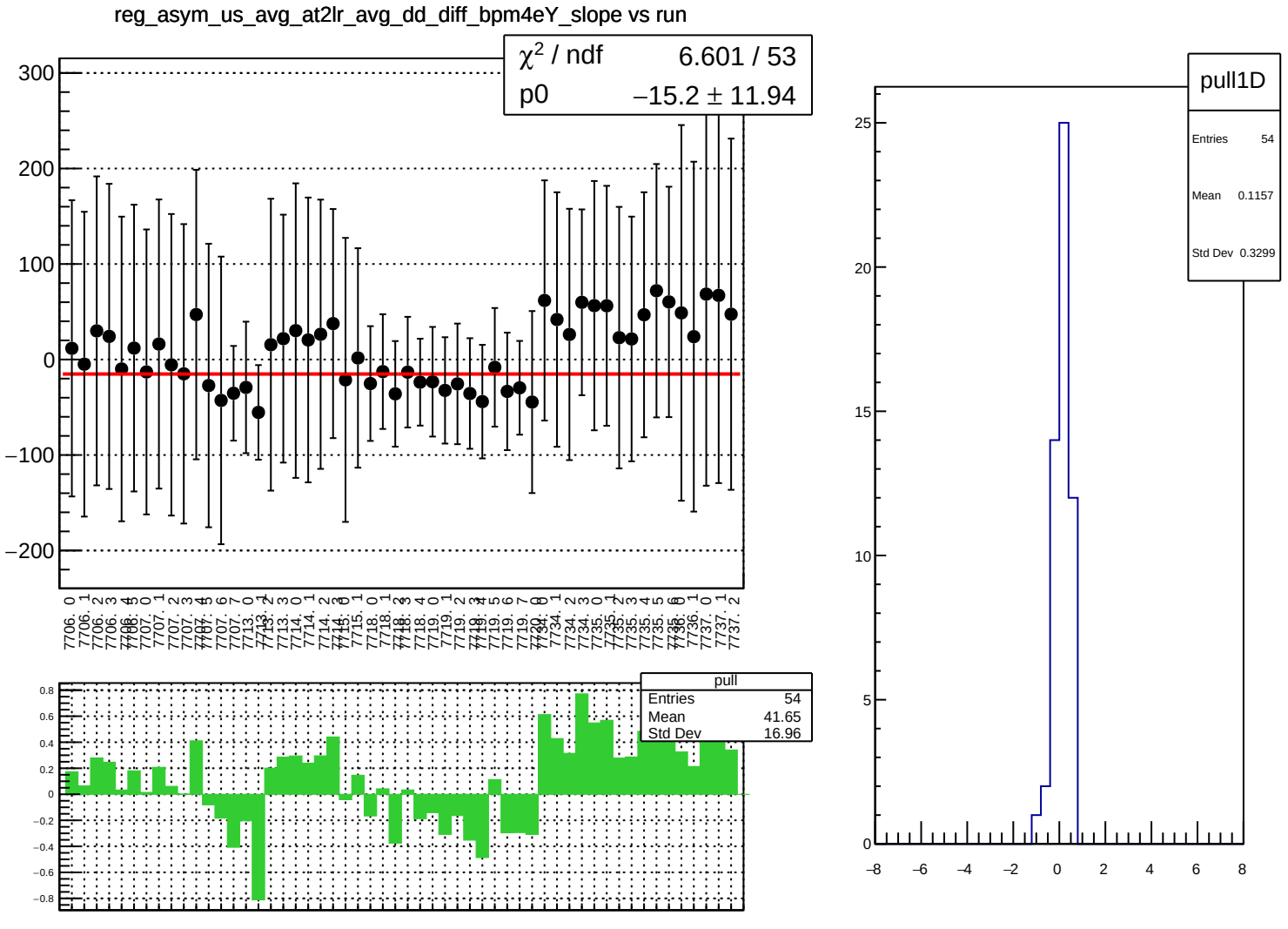

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 302.2 / 53
p0 −307.1 ± 0.7683
pull
Entries 54
Mean −2.911
Std Dev 0
pull1D
Entries 54
Mean −0.0909
Std Dev 2.364

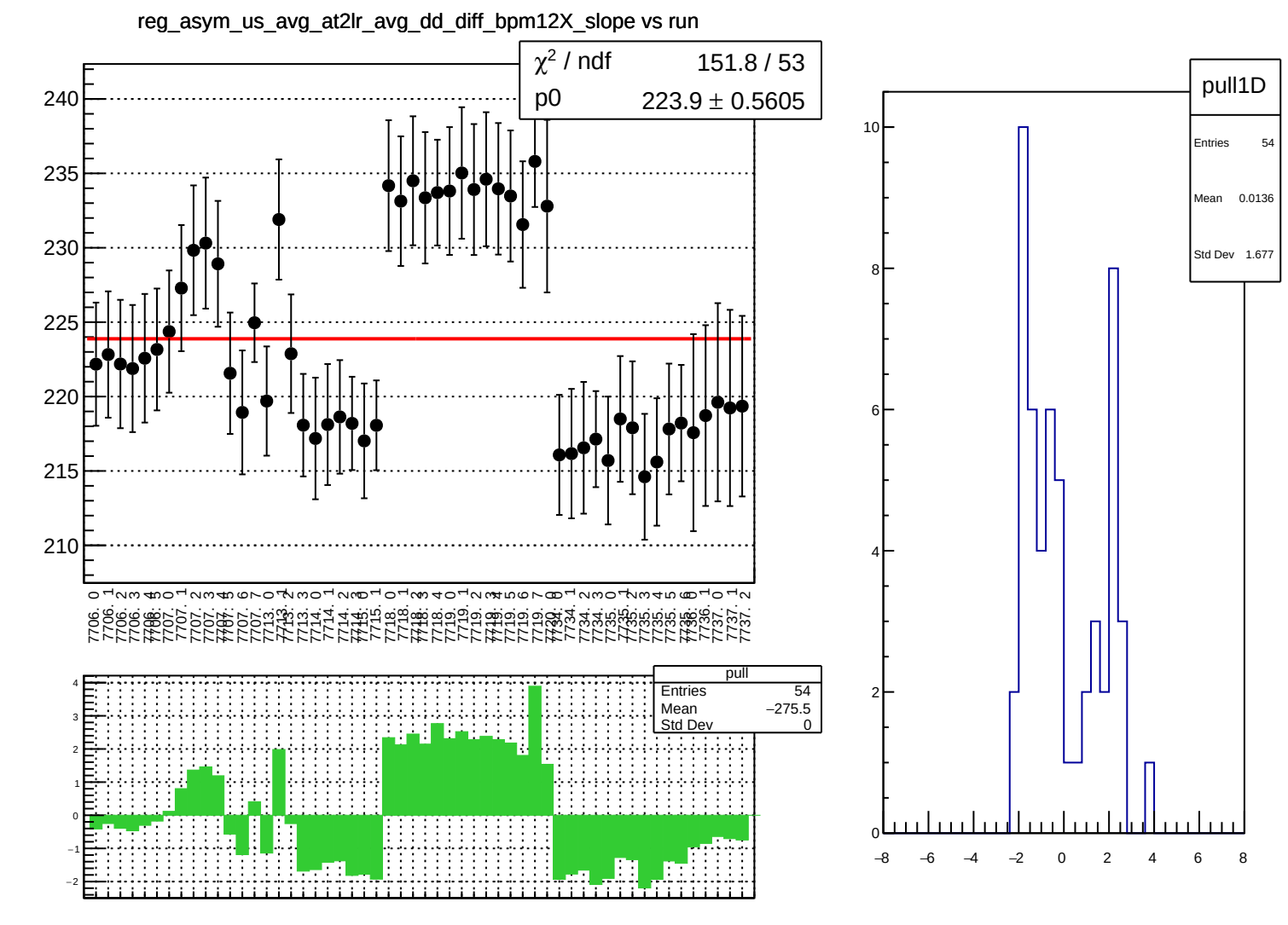

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 543.2 / 53
p0 440.6 ± 6.95
pull
Entries 54
Mean 35.13
Std Dev 21.03
pull1D
Entries 54
Mean −1.271
Std Dev 2.906

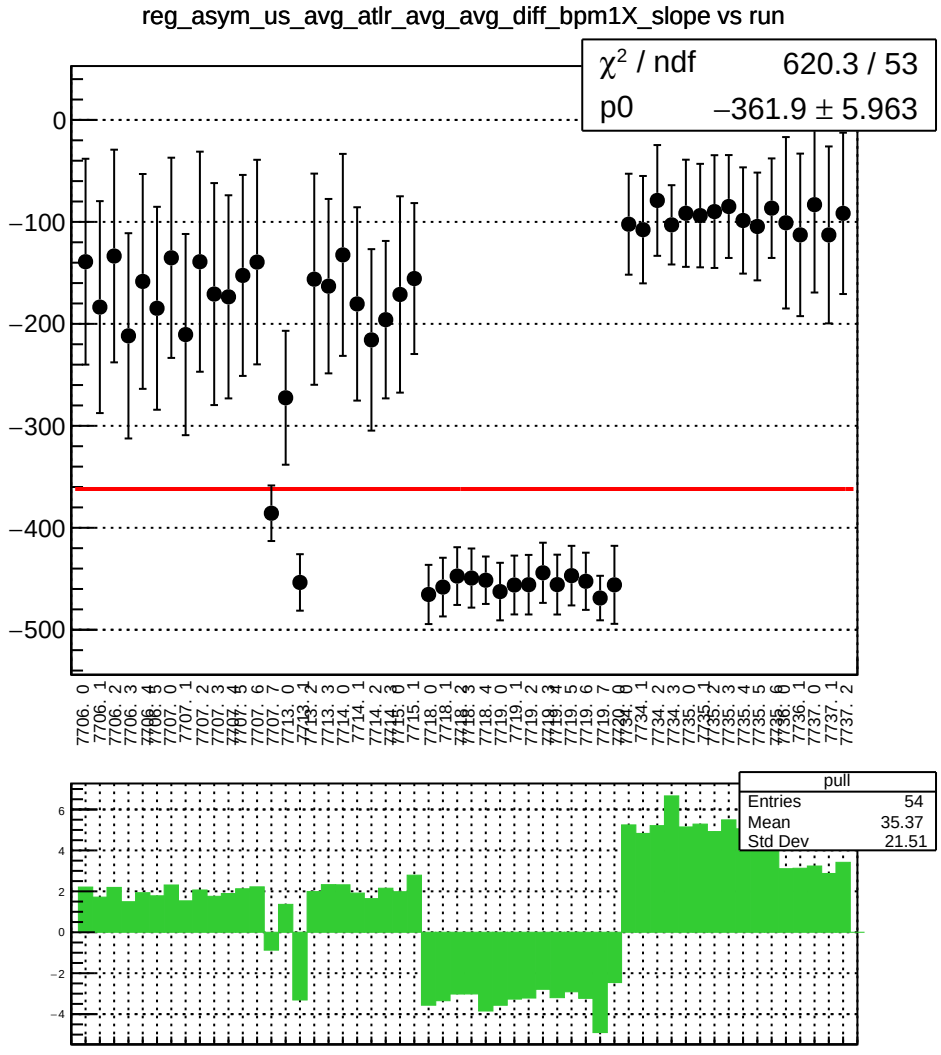

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.875 / 53
p0 −66.38 ± 7.78
pull
Entries 54
Mean 12.18
Std Dev 11.68

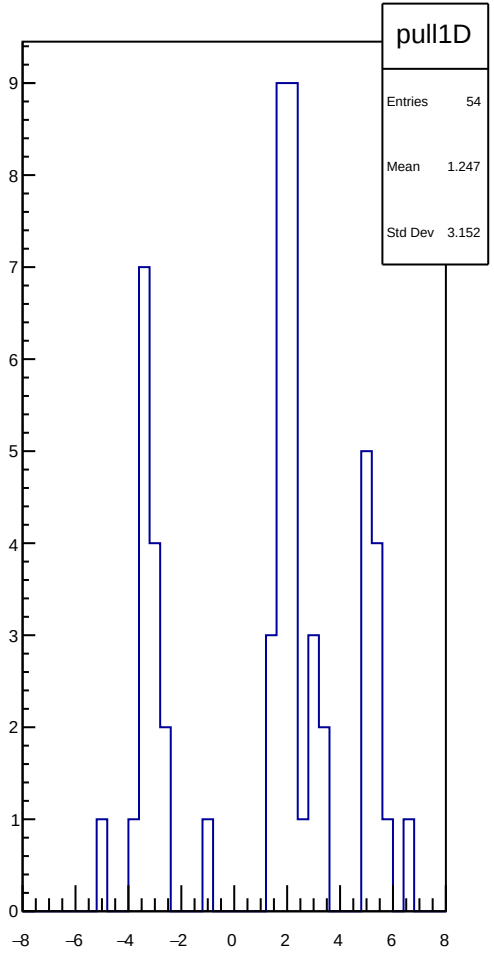

pull1D
Entries 54
Mean −0.06658
Std Dev 0.2209

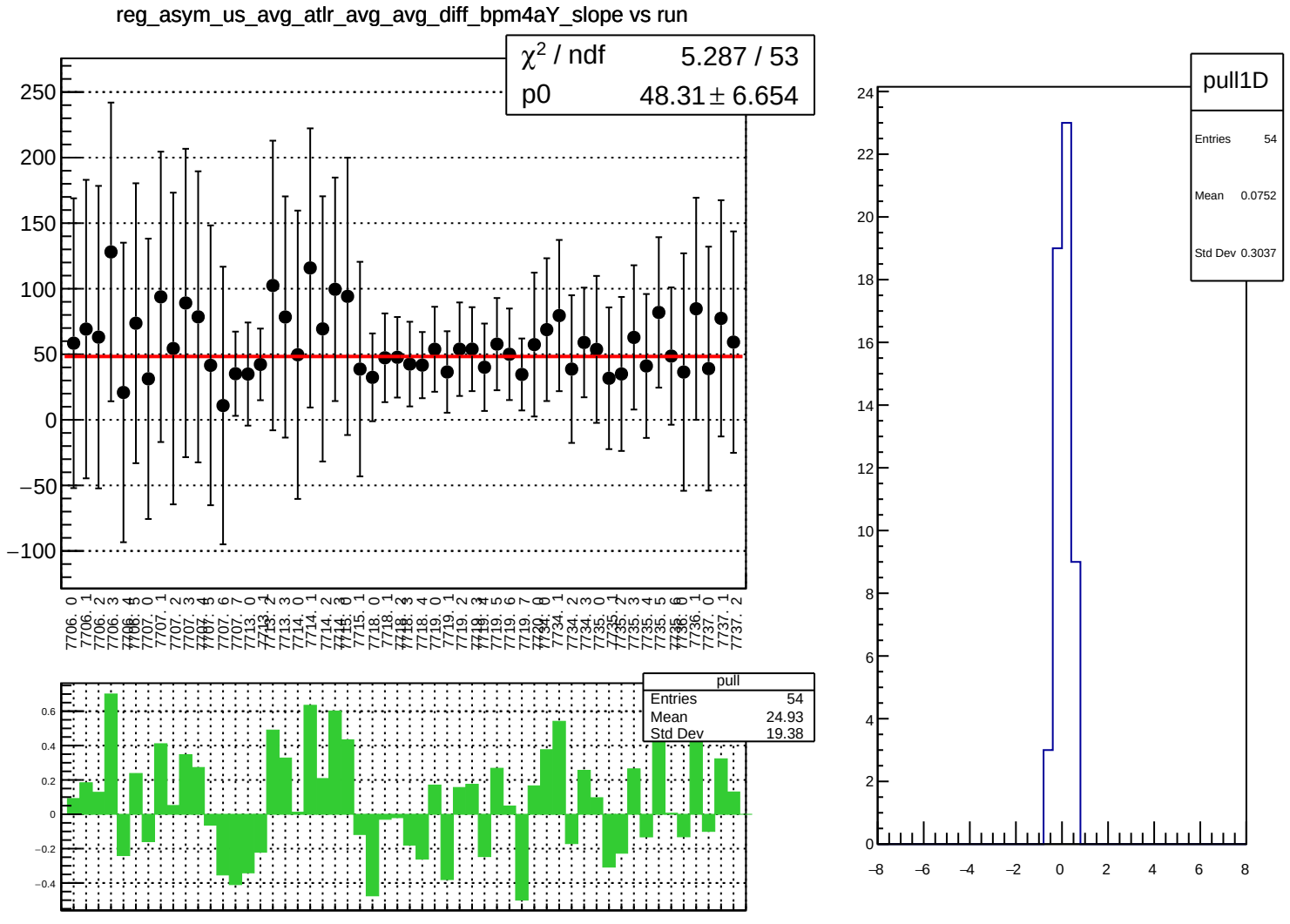

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 495.6 / 53
p0 −462.5 ± 5.797
pull
Entries 54
Mean 32.1
Std Dev 20.51
pull1D
Entries 54
Mean 1.49
Std Dev 2.638

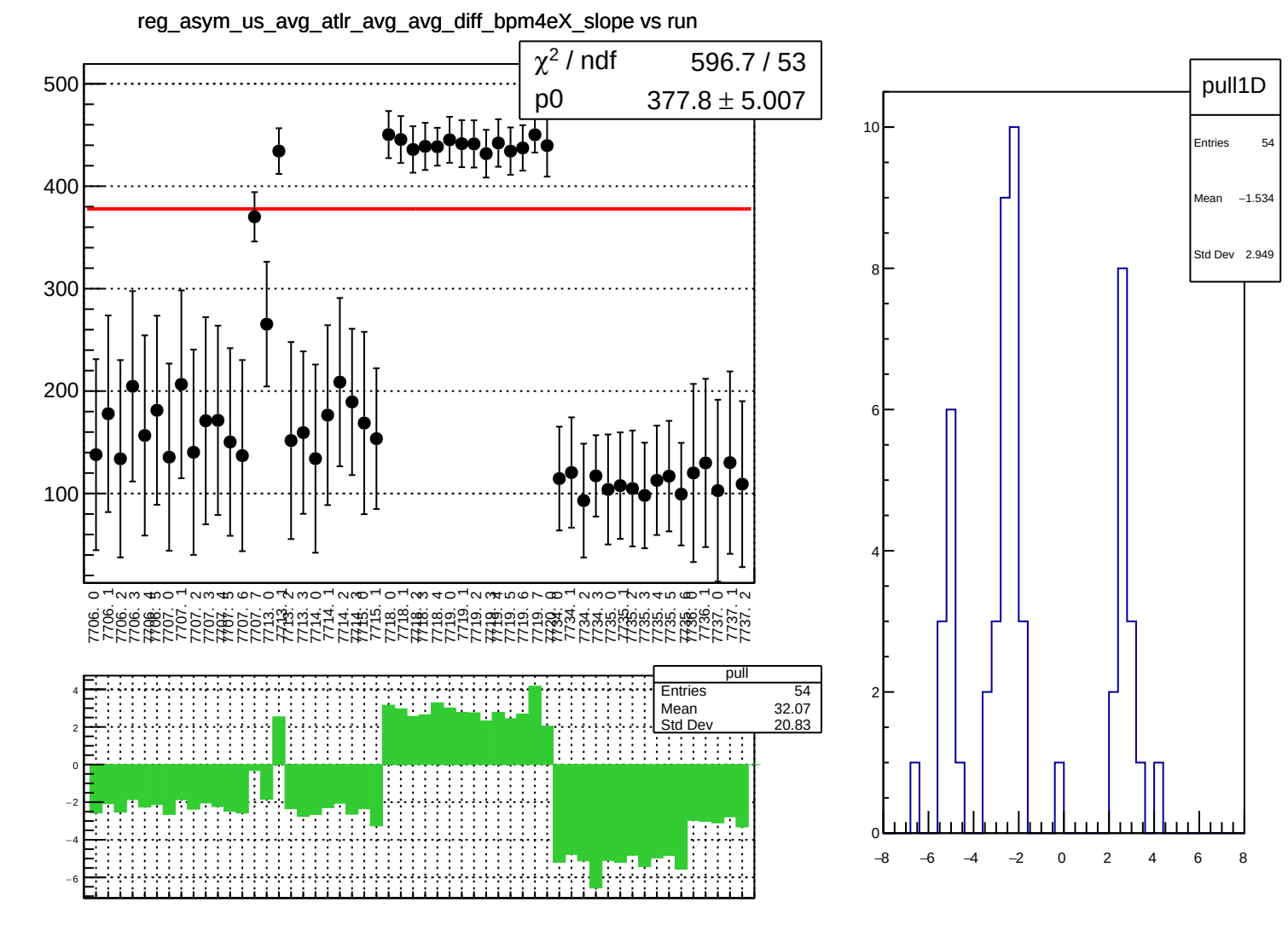

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.601 / 53
p0 −15.2 ± 11.94
pull
Entries 54
Mean 41.65
Std Dev 16.96
pull1D
Entries 54
Mean 0.1157
Std Dev 0.3299

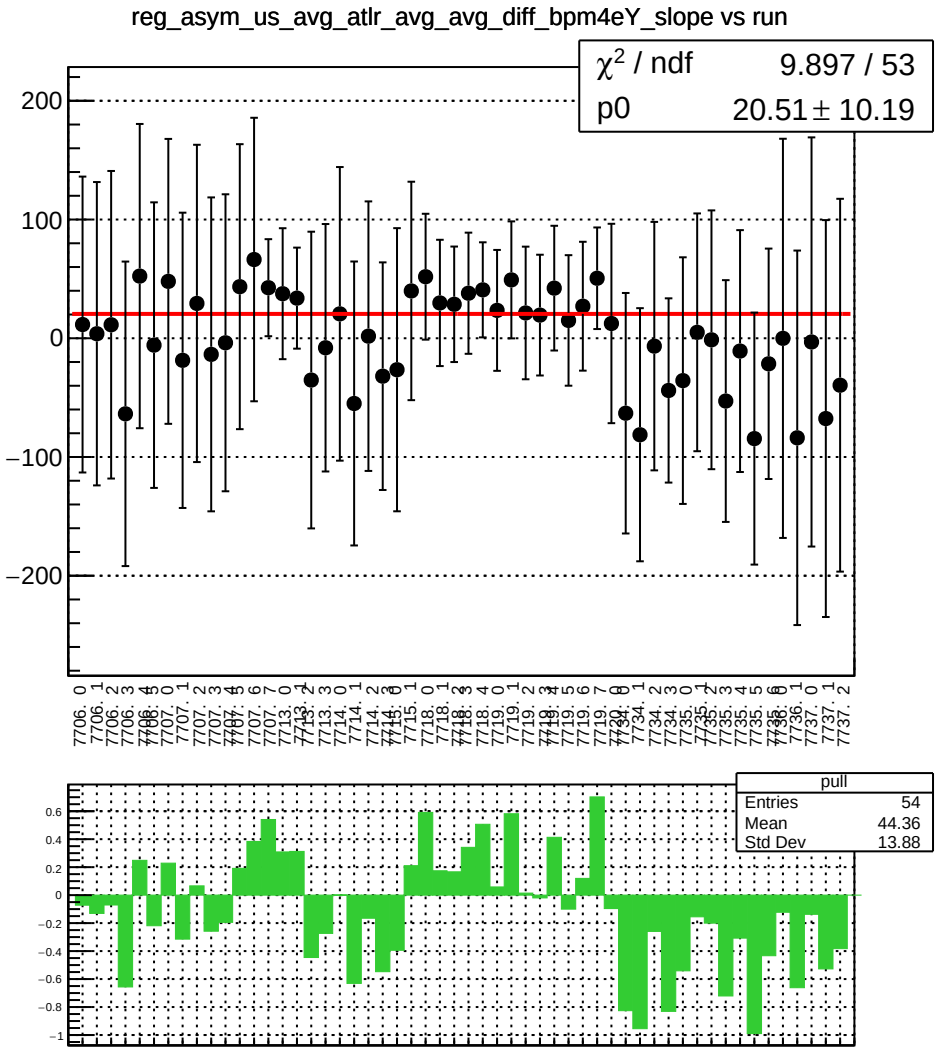

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 151.8 / 53
p0 223.9 ± 0.5605
240
235
230
225
220
215
210
pull
Entries 54
Mean −275.5
Std Dev 0
pull1D
Entries 54
Mean 0.0136
Std Dev 1.677

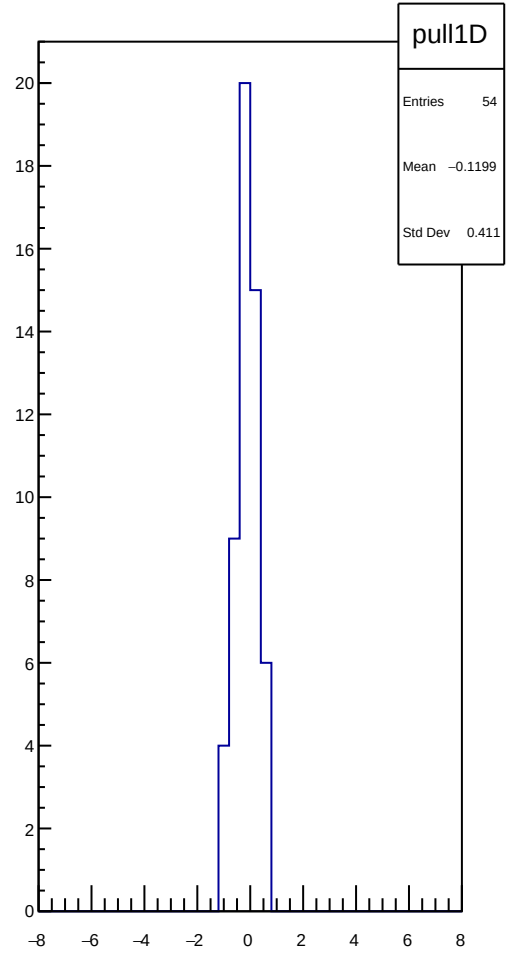

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 620.3 / 53
p0 −361.9 ± 5.963
pull
Entries 54
Mean 35.37
Std Dev 21.51

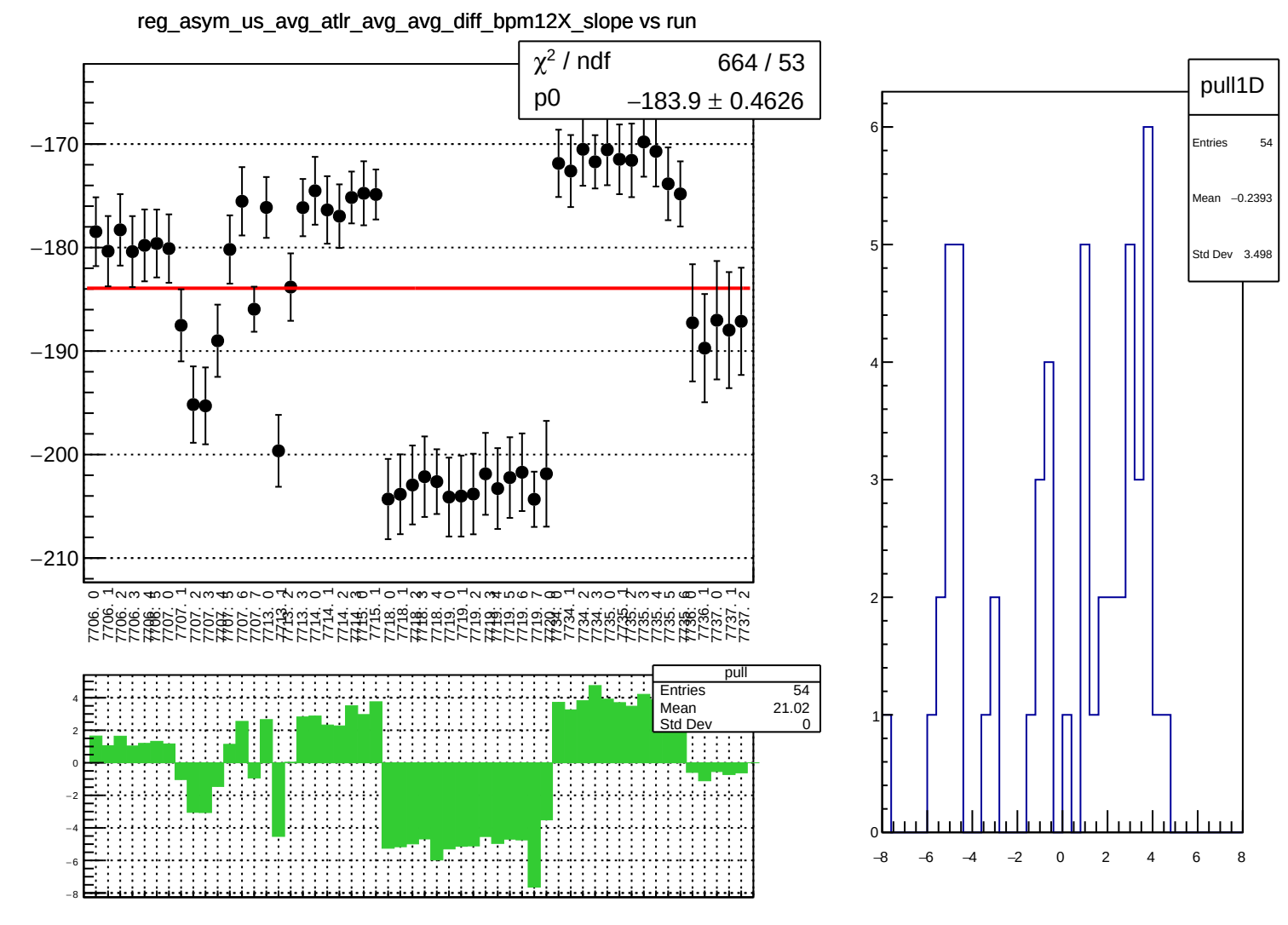

pull1D
Entries 54
Mean 1.247
Std Dev 3.152

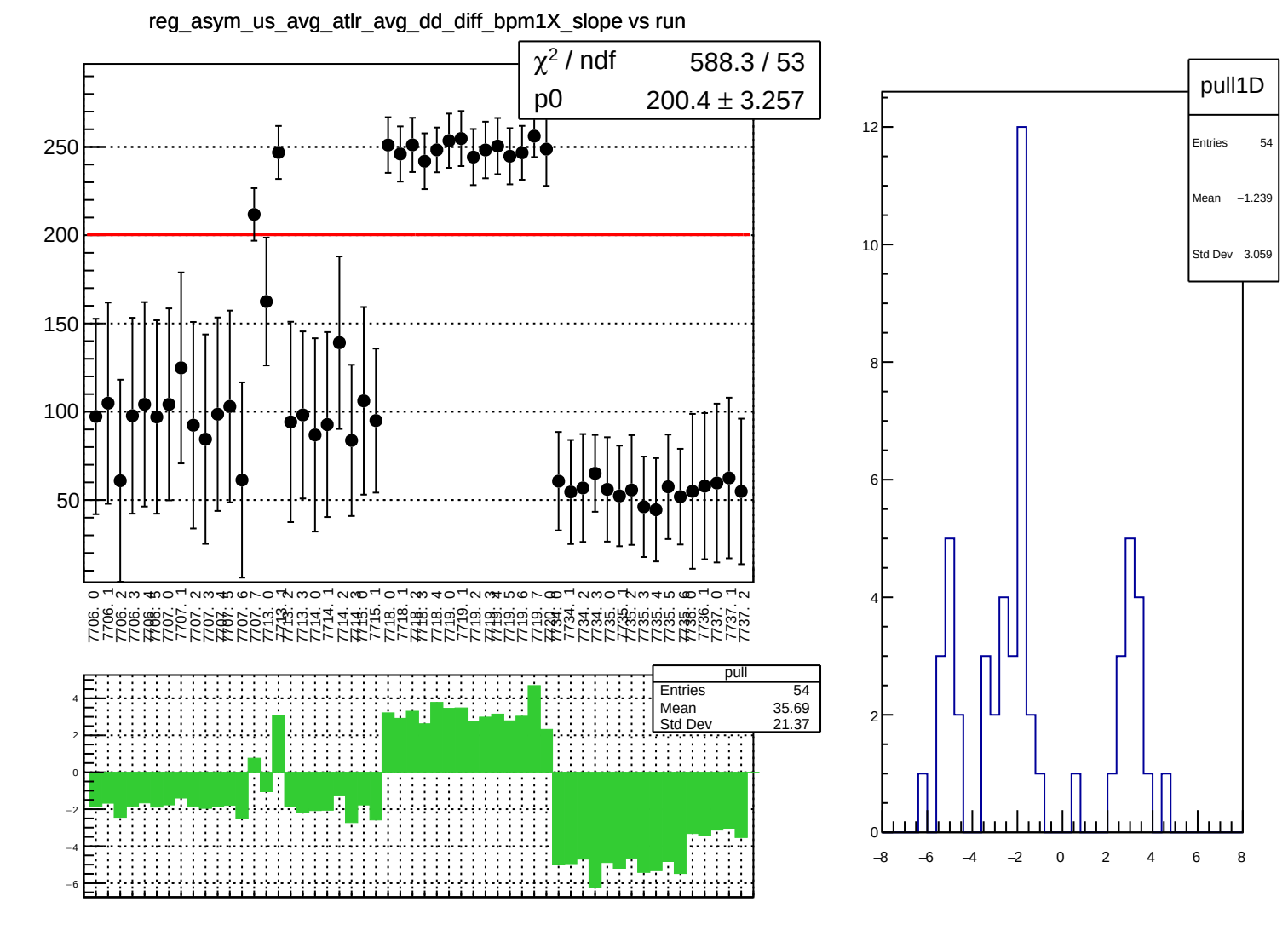

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.287 / 53
p0 48.31 ± 6.654
pull
Entries 54
Mean 24.93
Std Dev 19.38
pull1D
Entries 54
Mean 0.0752
Std Dev 0.3037

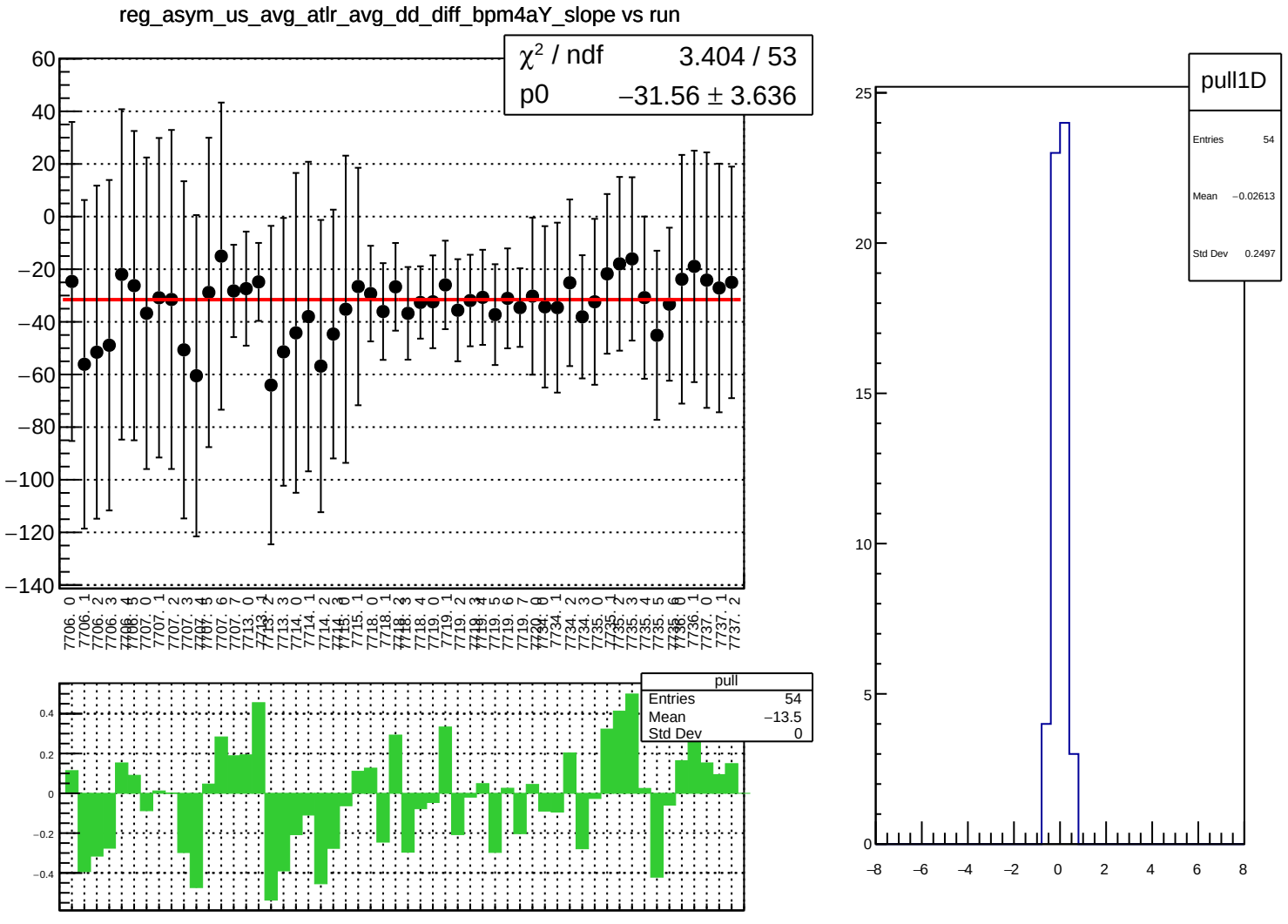

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 596.7 / 53
p0 377.8 ± 5.007
pull
Entries 54
Mean 32.07
Std Dev 20.83
pull1D
Entries 54
Mean −1.534
Std Dev 2.949

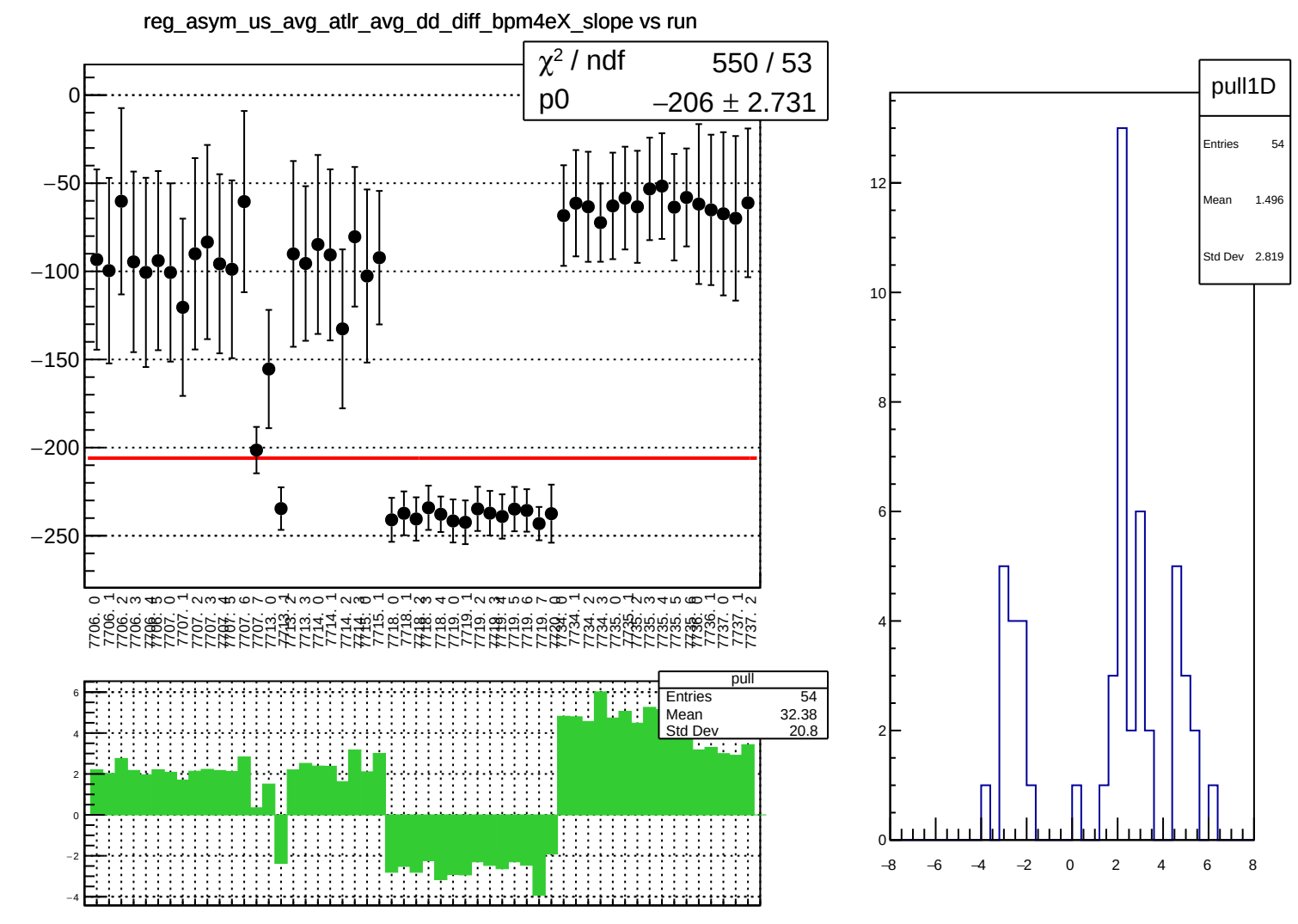

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.897 / 53
p0 20.51 ± 10.19
pull
Entries 54
Mean 44.36
Std Dev 13.88

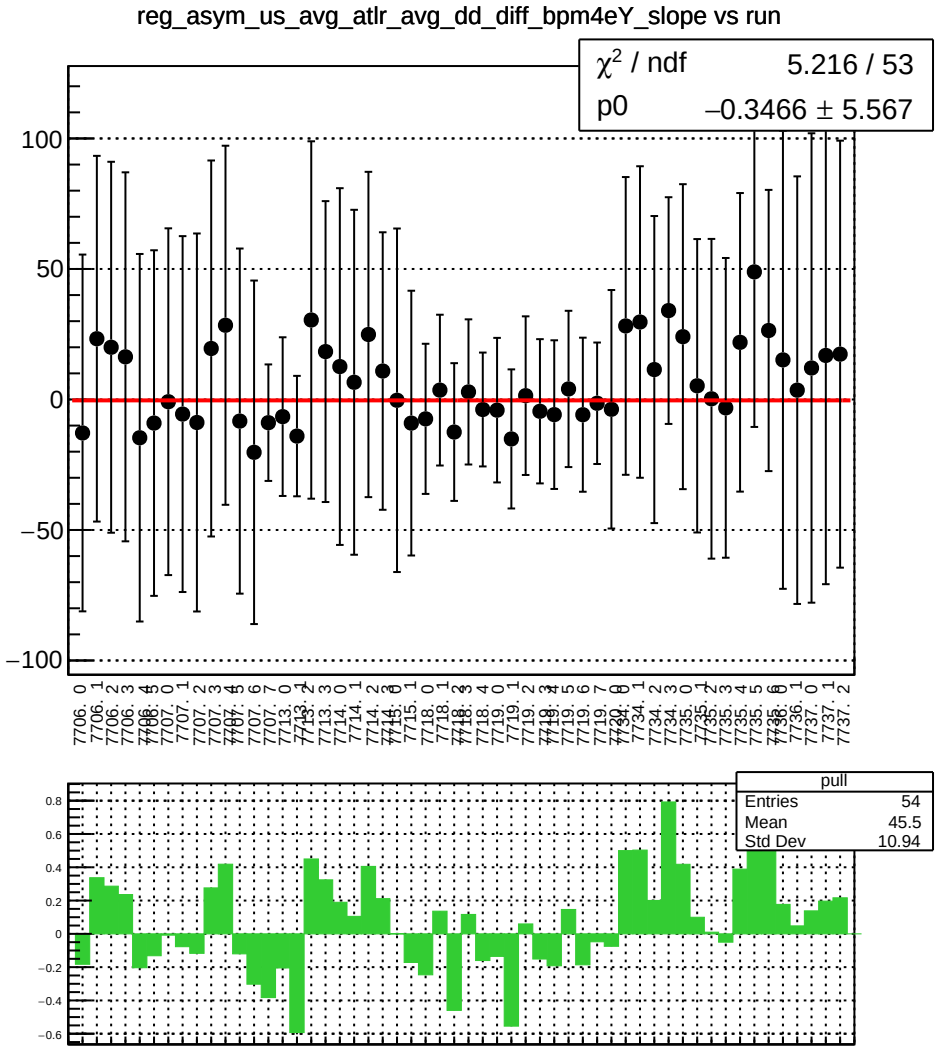

pull1D
Entries 54
Mean −0.1199
Std Dev 0.411

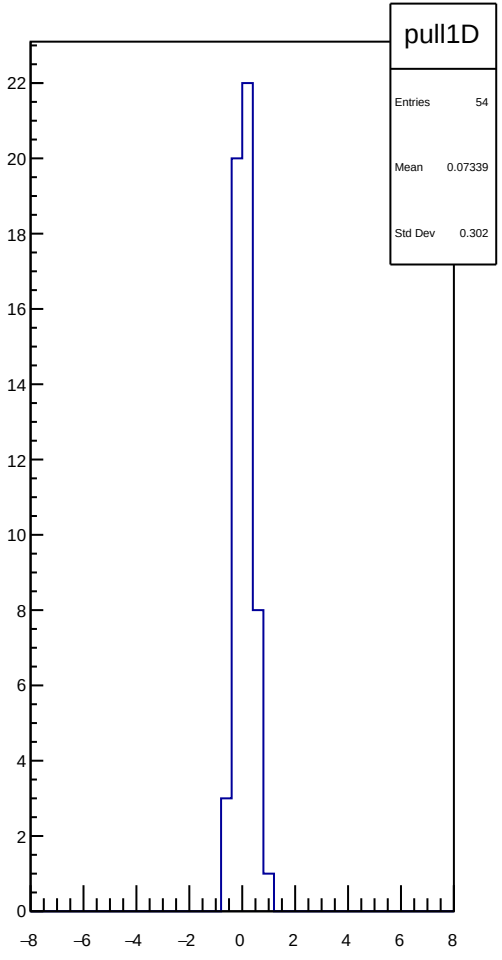

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 664 / 53
p0 −183.9 ± 0.4626
−170
−180
−190
−200
−210
pull
Entries 54
Mean 21.02
Std Dev 0
pull1D
Entries 54
Mean −0.2393
Std Dev 3.498

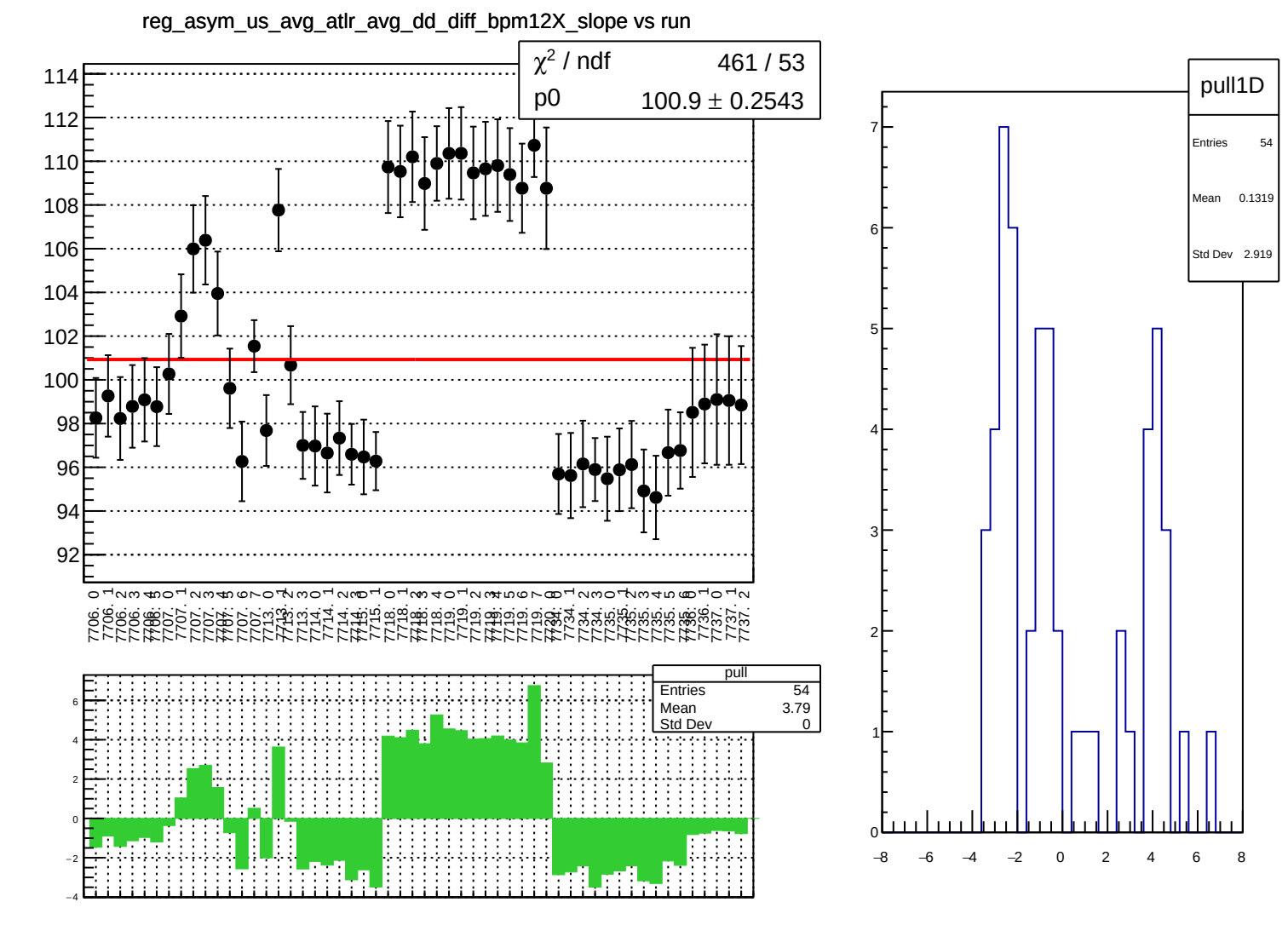

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 588.3 / 53
p0 200.4 ± 3.257
250
200
150
100
50
pull
Entries 54
Mean 35.69
Std Dev 21.37
4
2
0
−2
−4
−6
pull1D
Entries 54
Mean −1.239
Std Dev 3.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

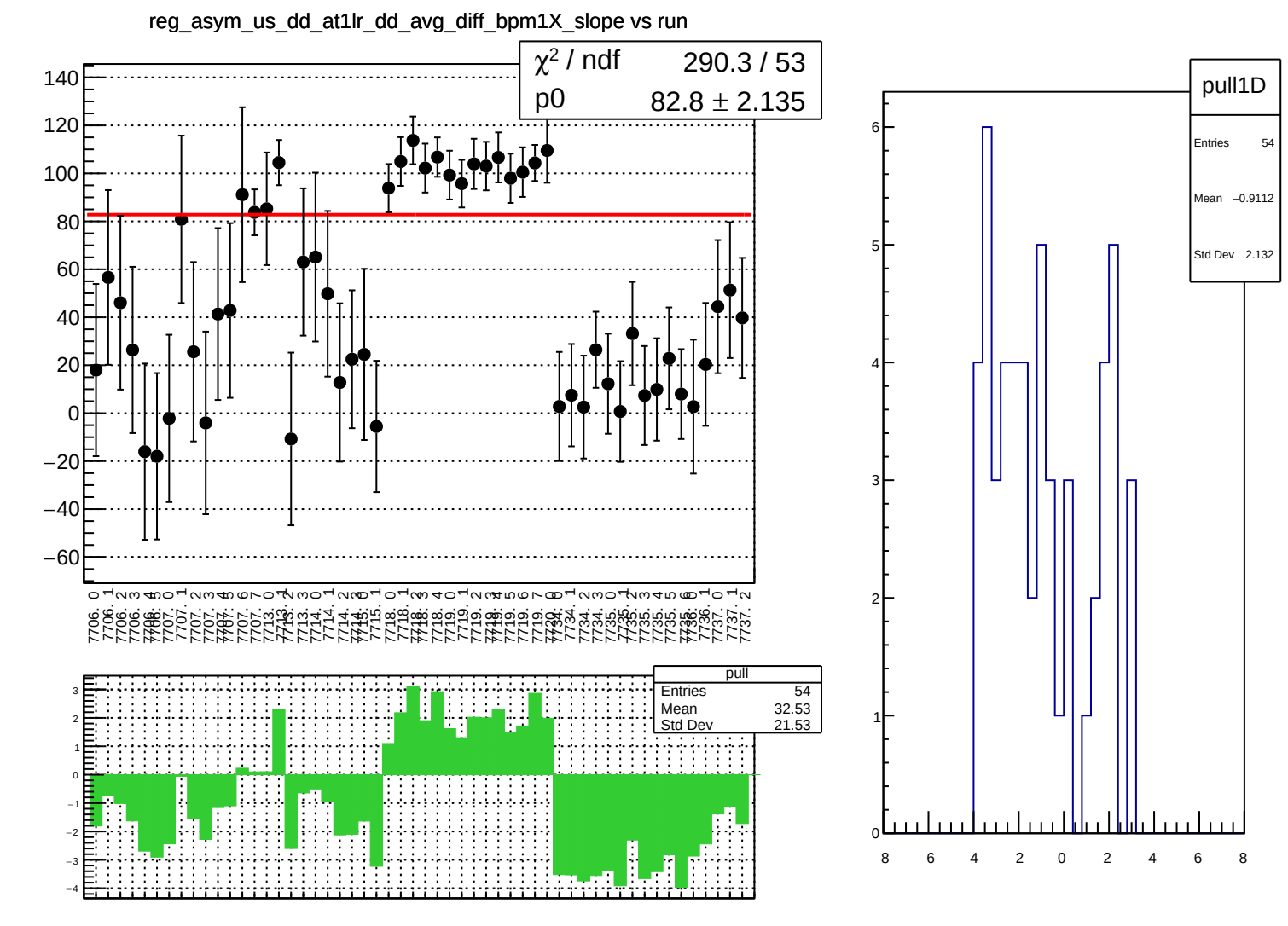

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.404 / 53
p0 −31.56 ± 3.636
pull
Entries 54
Mean −13.5
Std Dev 0
pull1D
Entries 54
Mean −0.02613
Std Dev 0.2497

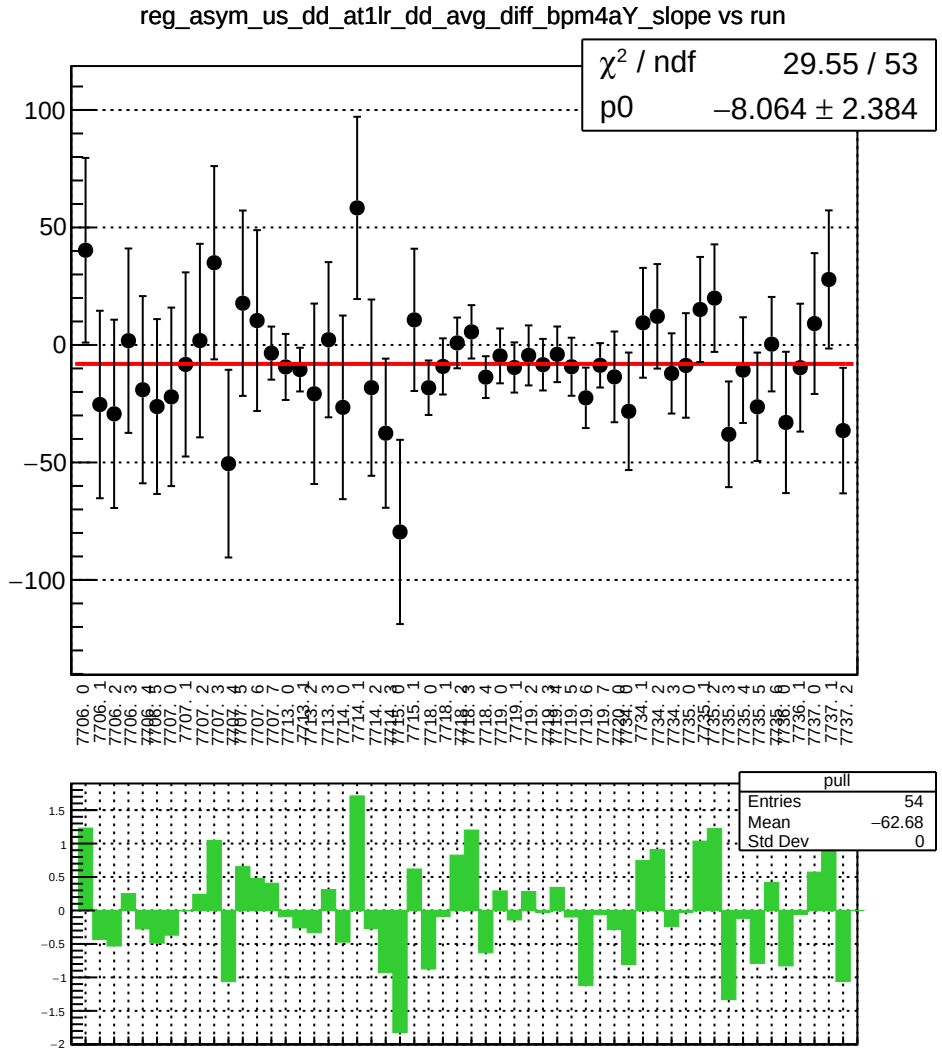

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 550 / 53
p0 −206 ± 2.731
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean 32.38
Std Dev 20.8
pull1D
Entries 54
Mean 1.496
Std Dev 2.819

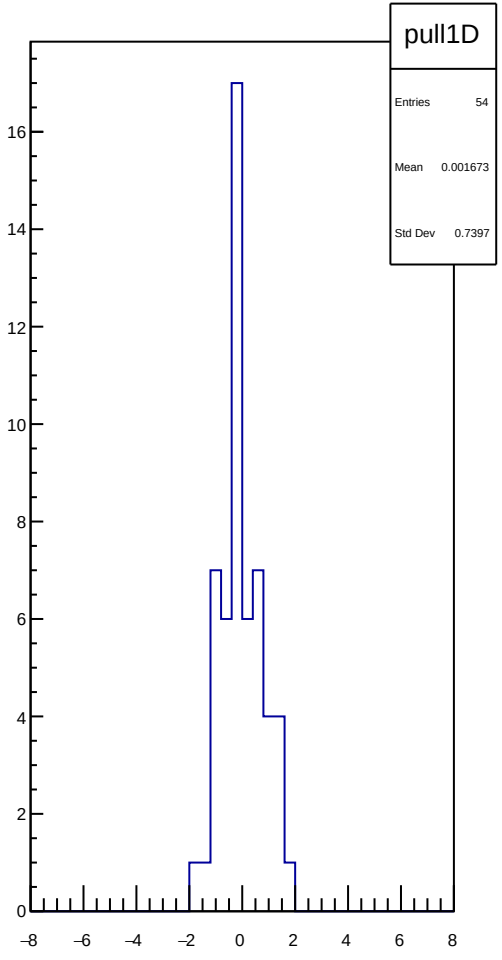

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.216 / 53
p0 −0.3466 ± 5.567
pull
Entries 54
Mean 45.5
Std Dev 10.94

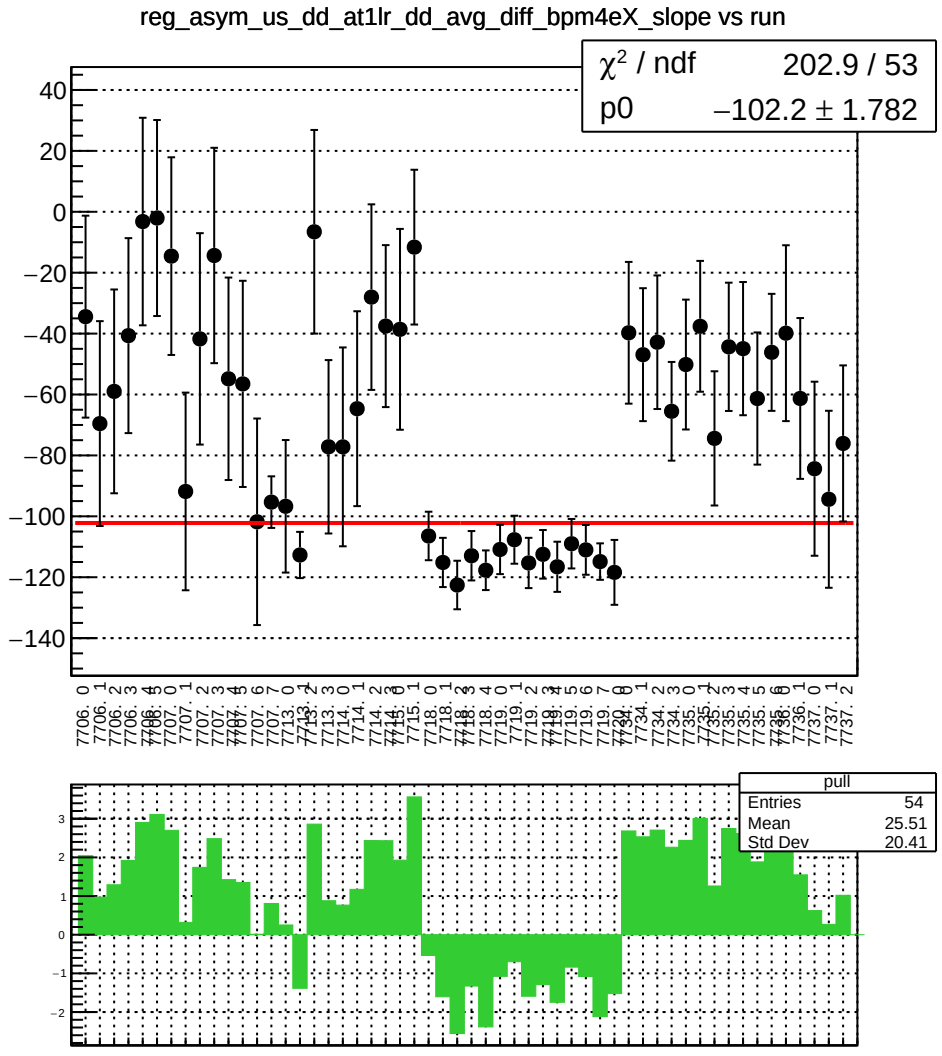

pull1D
Entries 54
Mean 0.07339
Std Dev 0.302

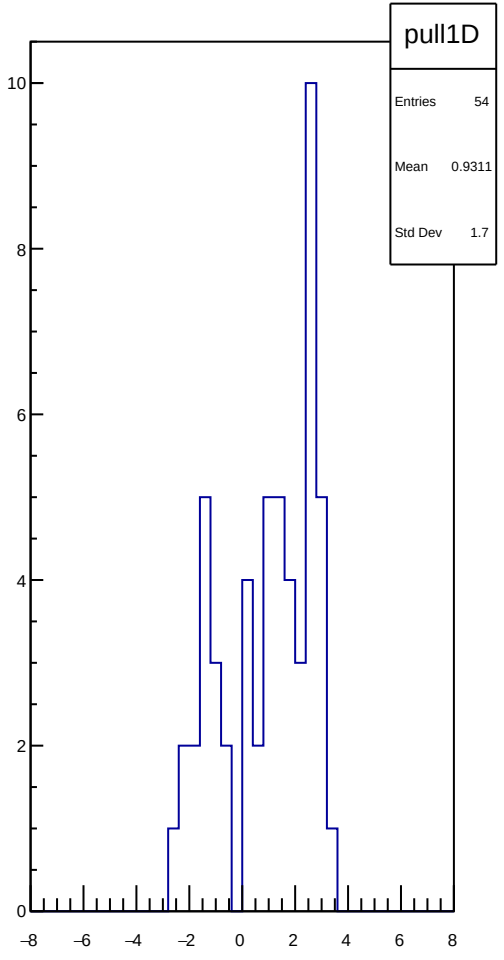

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 461 / 53
p0 100.9 ± 0.2543
pull
Entries 54
Mean 3.79
Std Dev 0
pull1D
Entries 54
Mean 0.1319
Std Dev 2.919

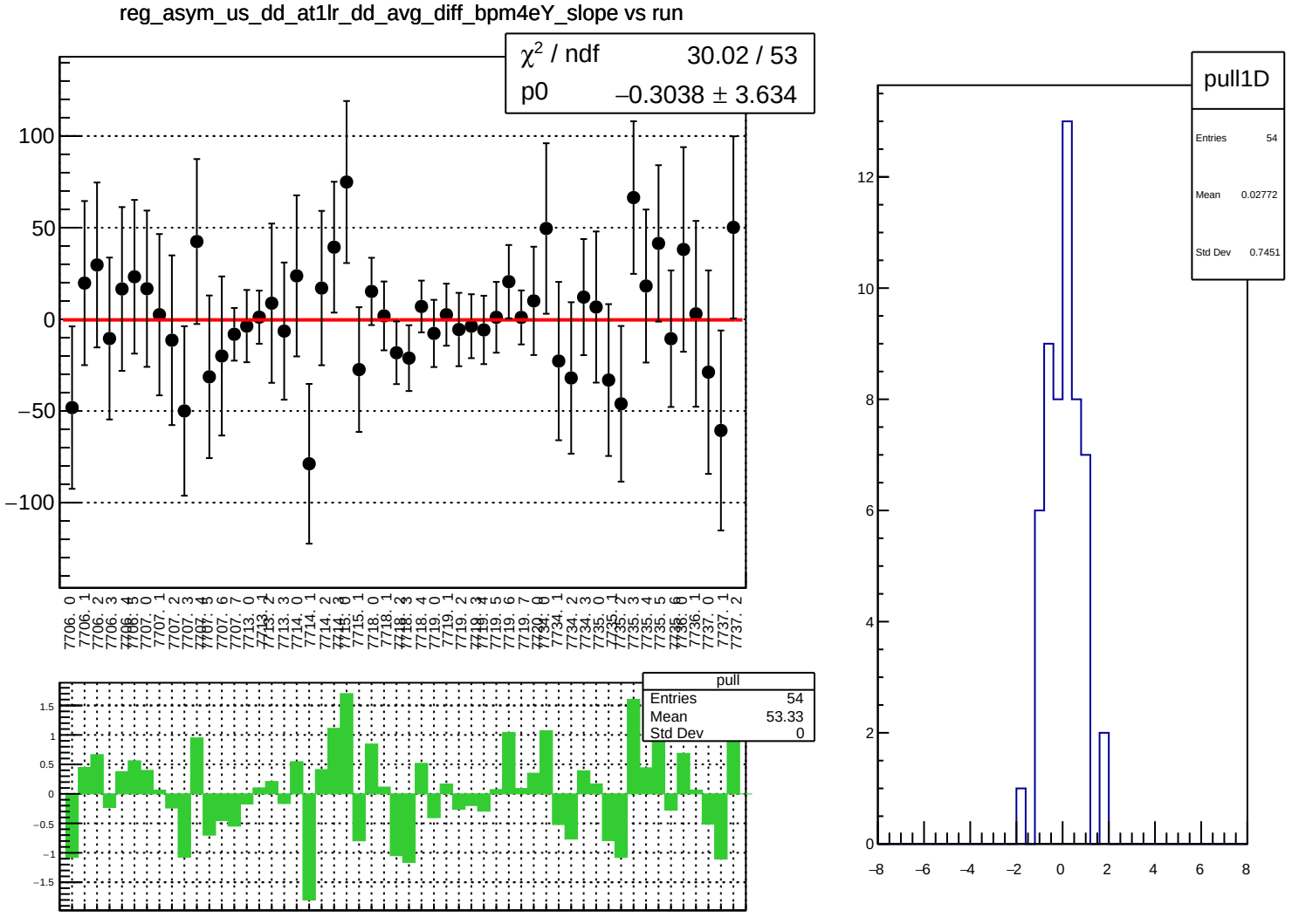

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 290.3 / 53
p0 82.8 ± 2.135
pull
Entries 54
Mean 32.53
Std Dev 21.53
pull1D
Entries 54
Mean −0.9112
Std Dev 2.132

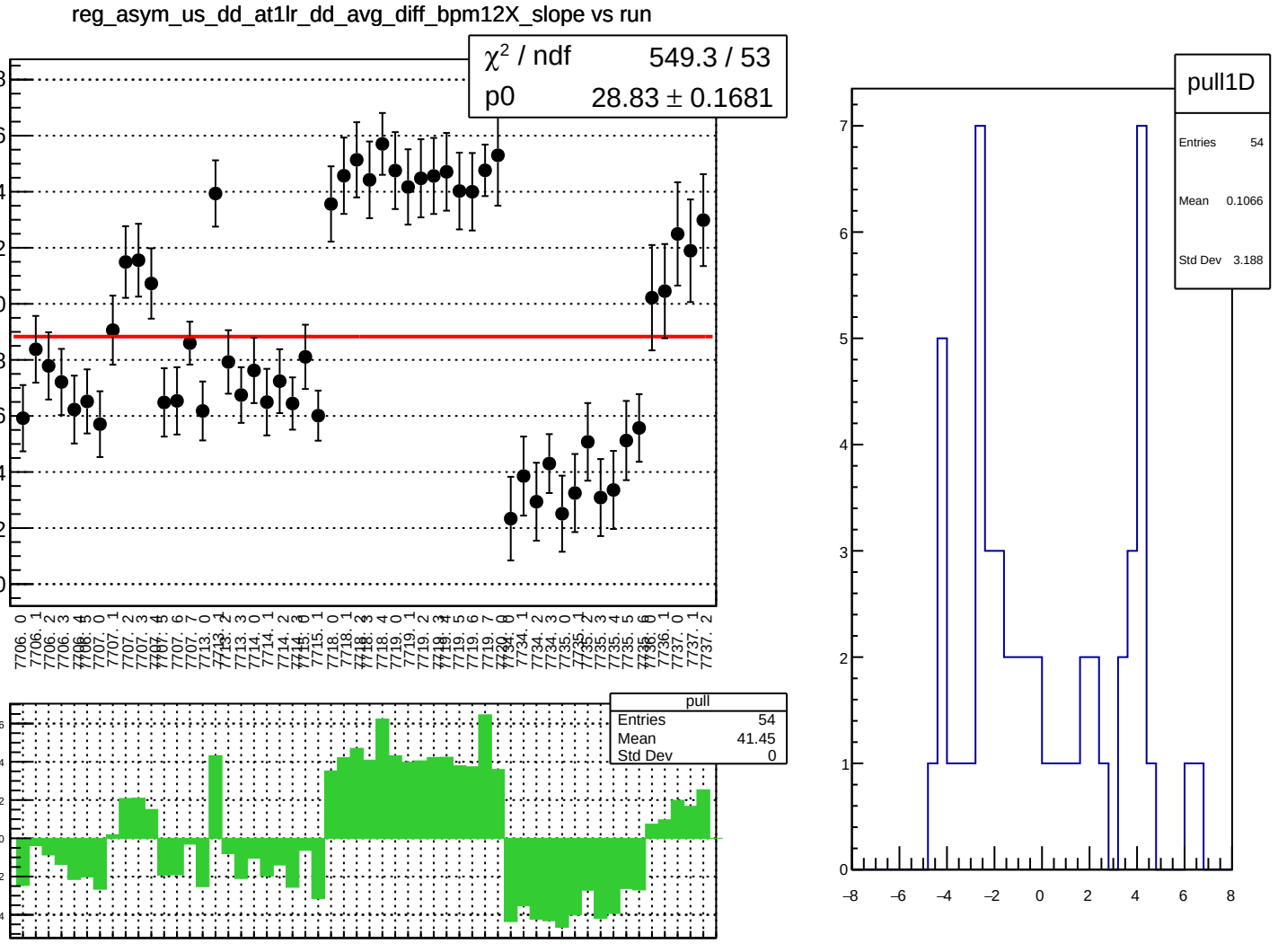

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.55 / 53
p0 −8.064 ± 2.384
pull
Entries 54
Mean −62.68
Std Dev 0

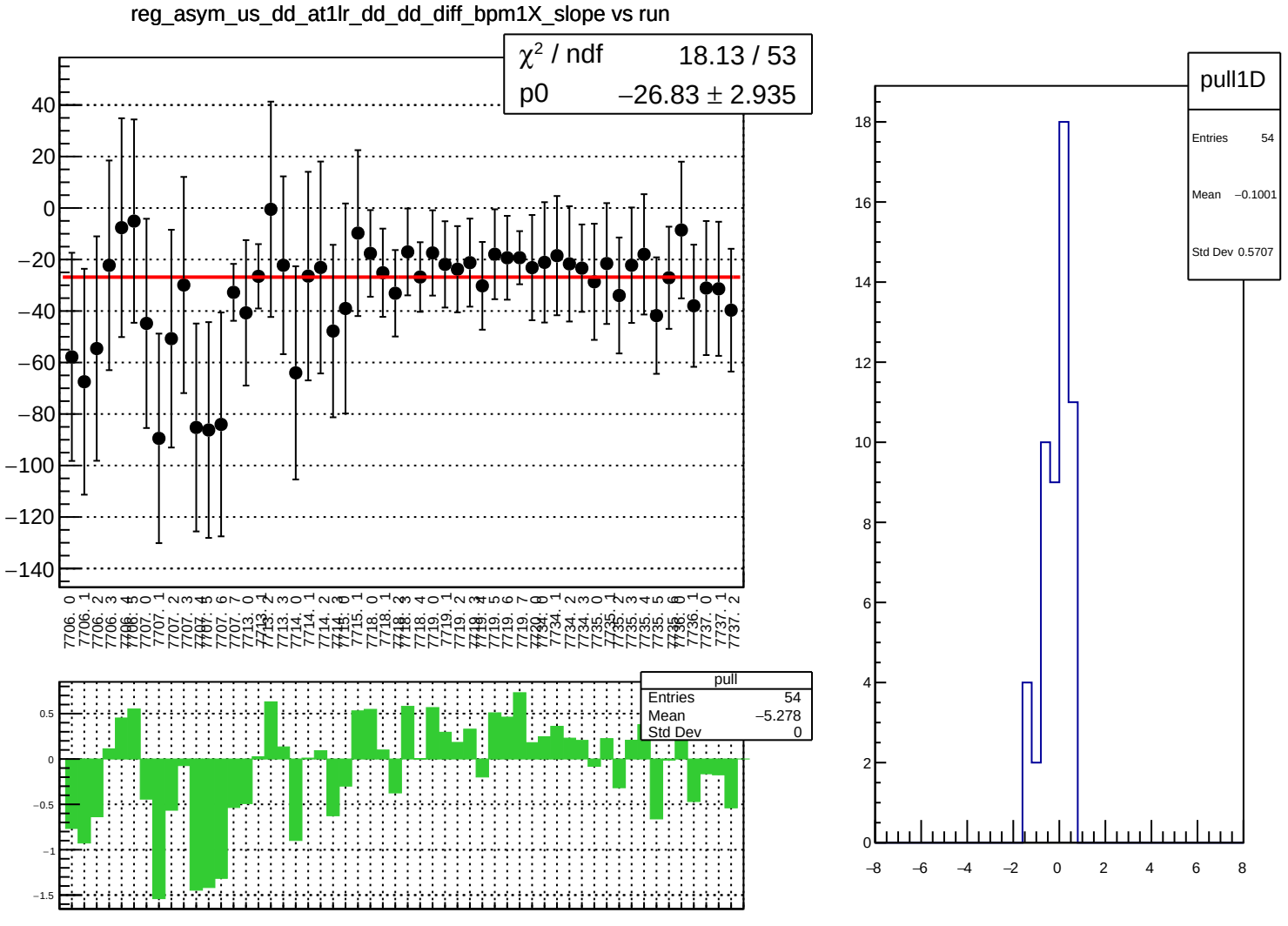

pull1D
Entries 54
Mean 0.001673
Std Dev 0.7397

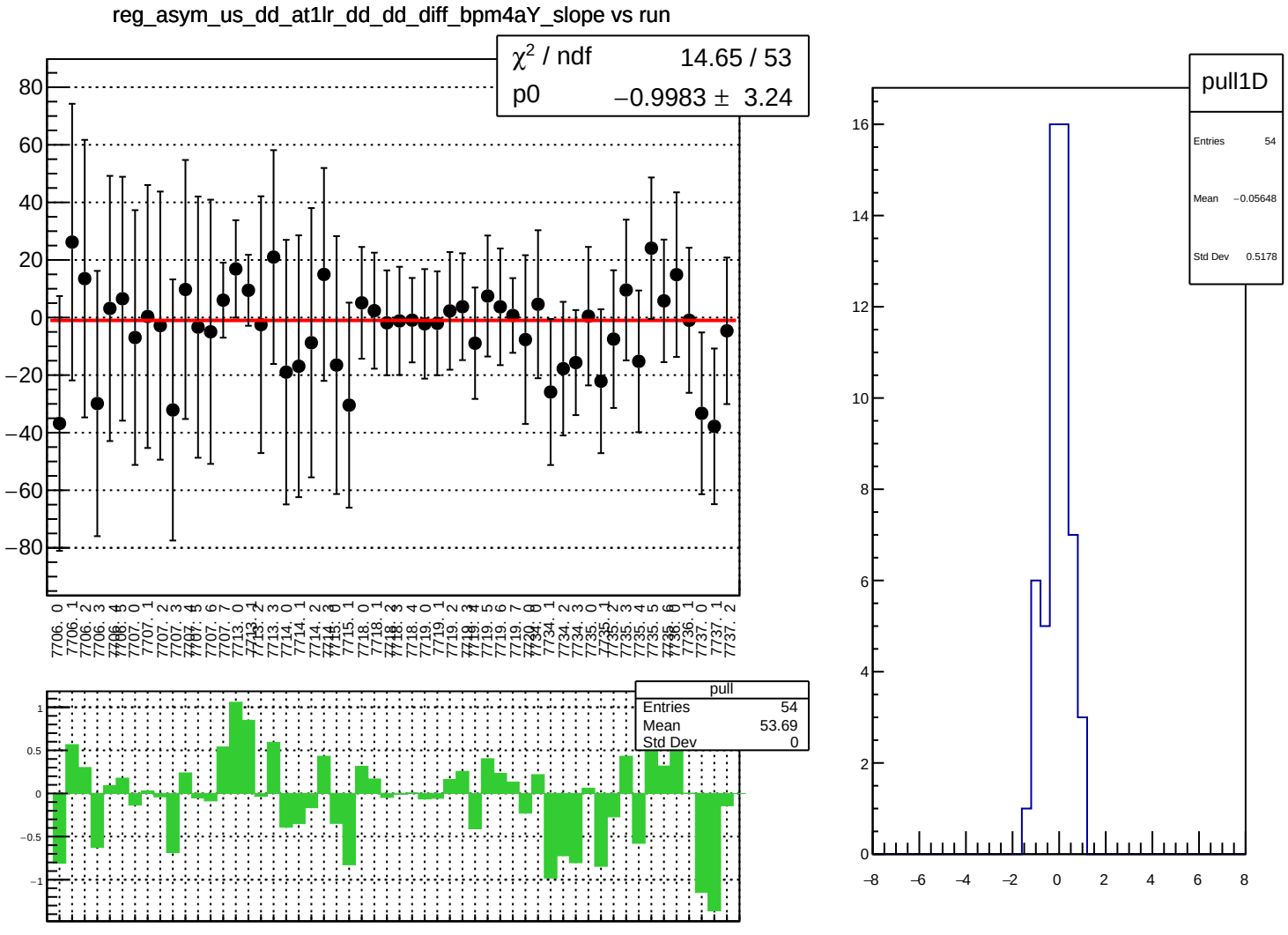

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 202.9 / 53
p0 −102.2 ± 1.782
pull
Entries 54
Mean 25.51
Std Dev 20.41

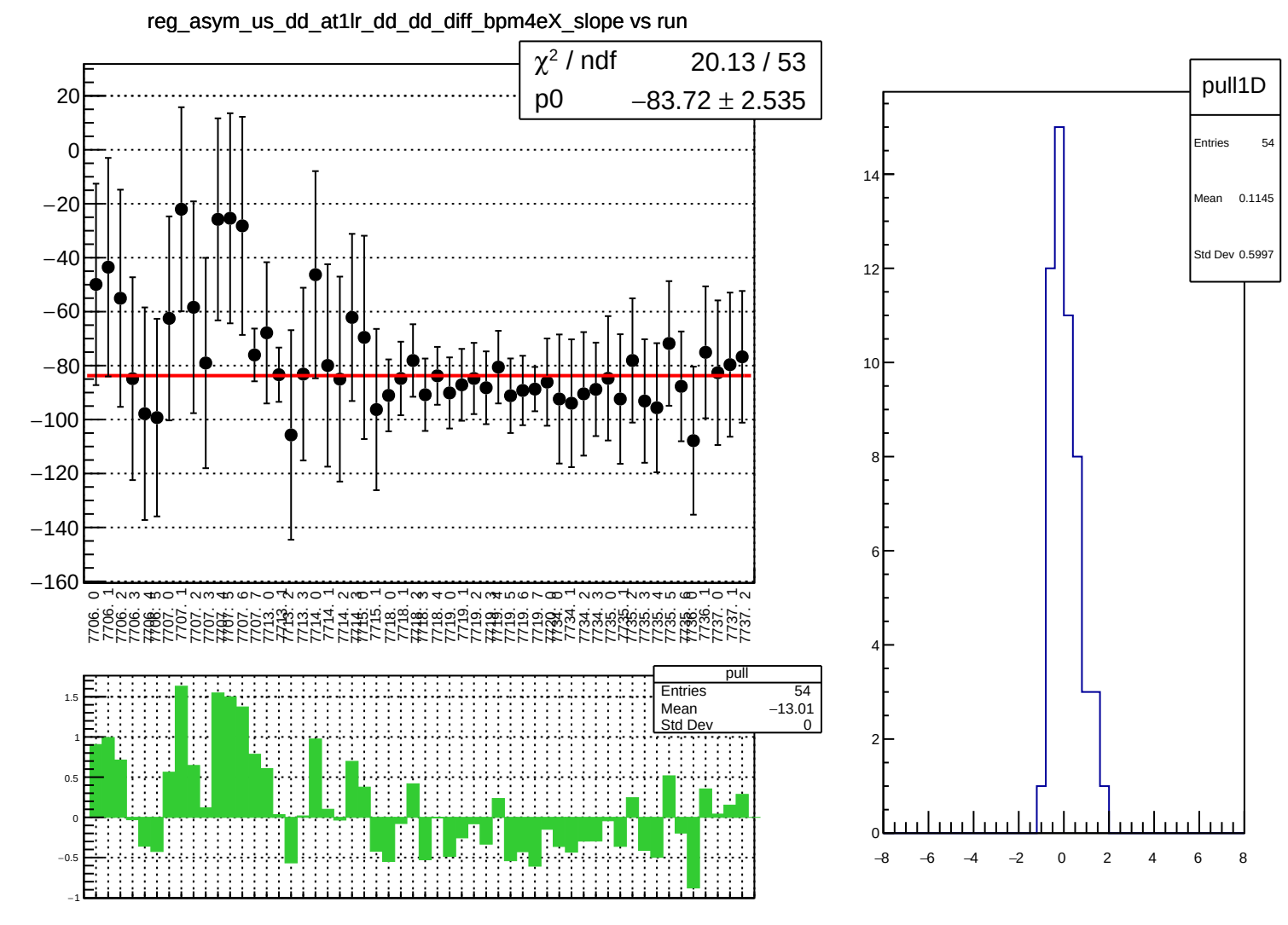

pull1D
Entries 54
Mean 0.9311
Std Dev 1.7

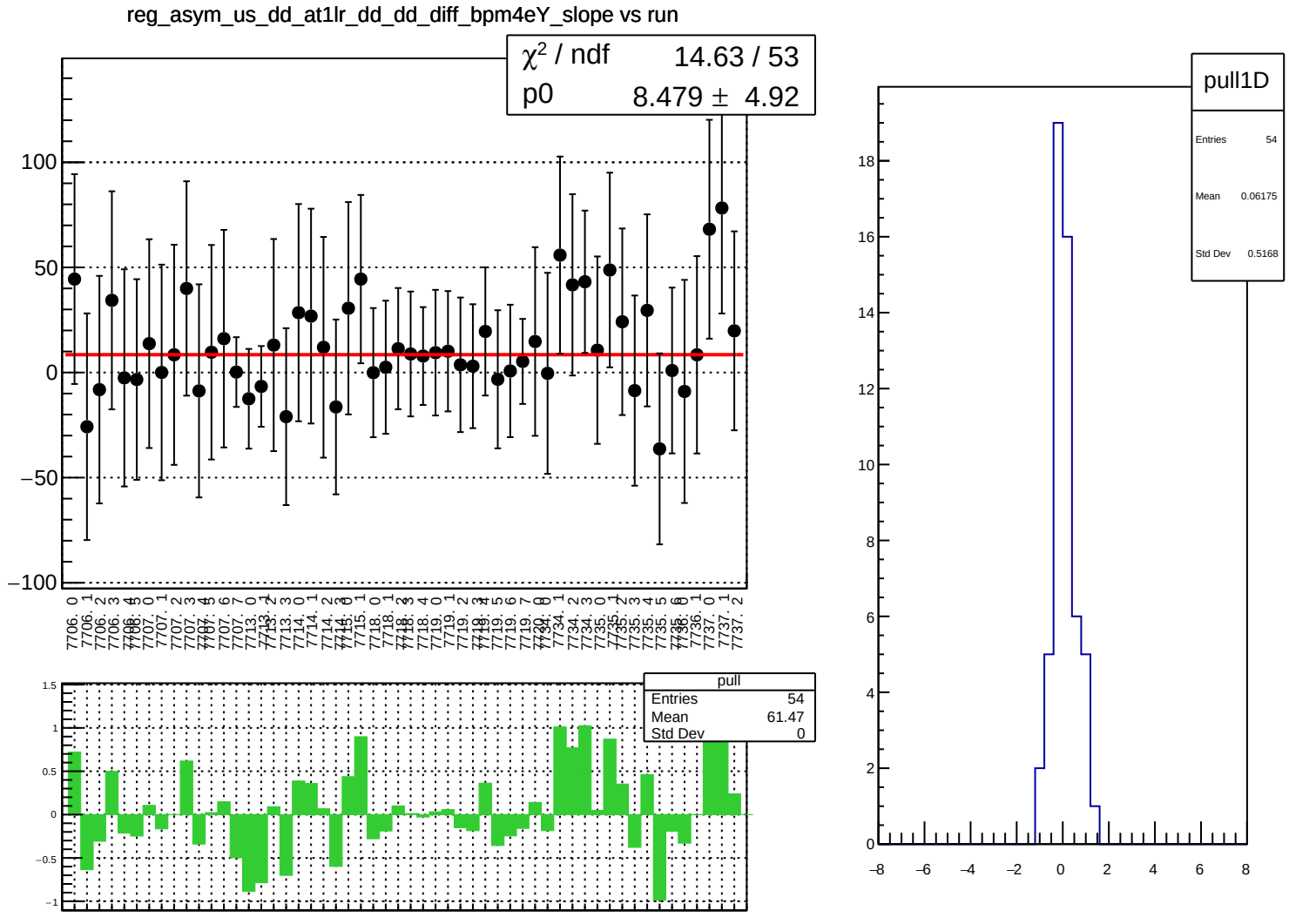

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.02 / 53
p0 −0.3038 ± 3.634
100
50
0
−50
−100
pull
Entries 54
Mean 53.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean 0.02772
Std Dev 0.7451
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

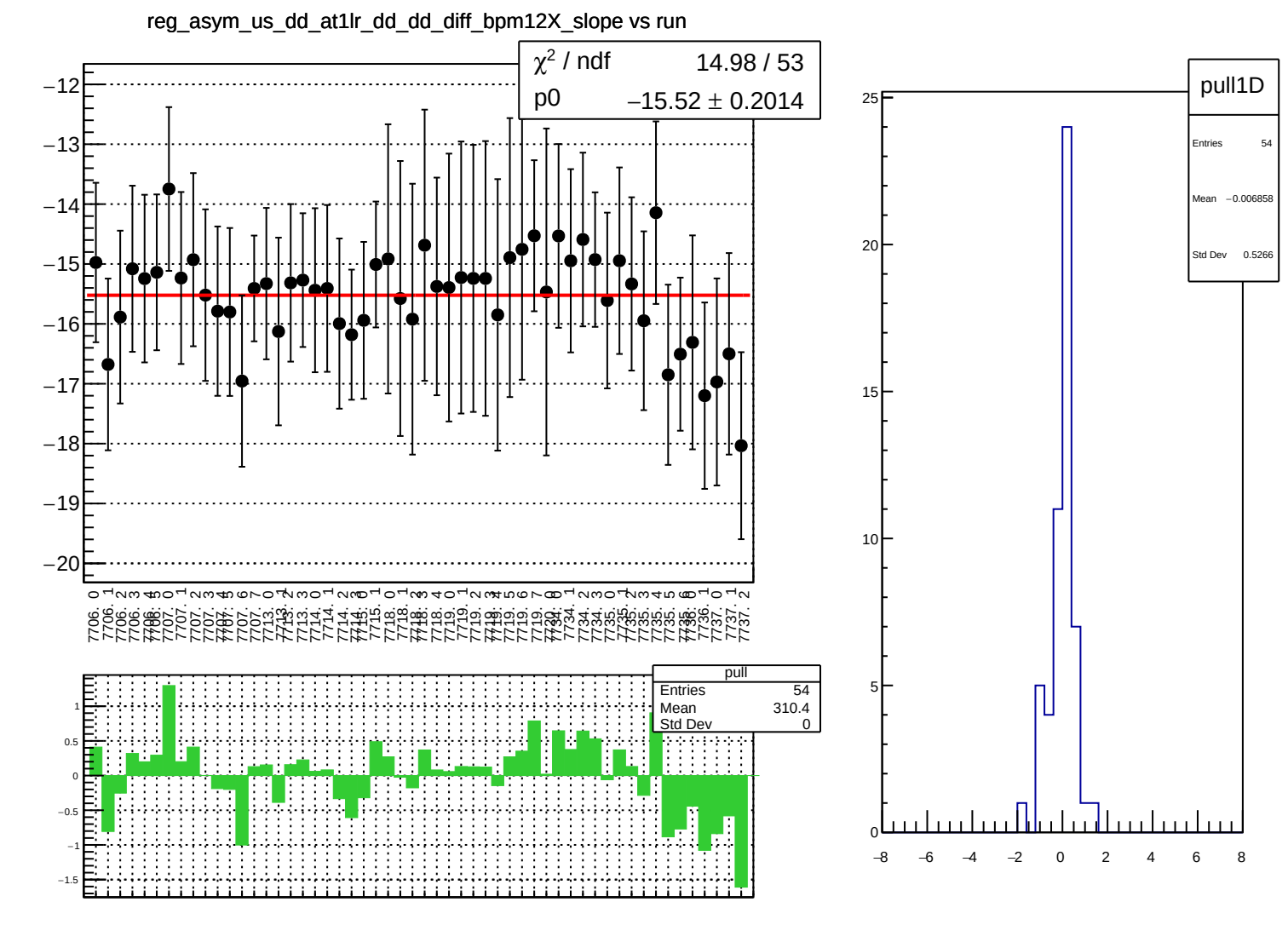

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 549.3 / 53
p0 28.83 ± 0.1681
pull
Entries 54
Mean 41.45
Std Dev 0
pull1D
Entries 54
Mean 0.1066
Std Dev 3.188

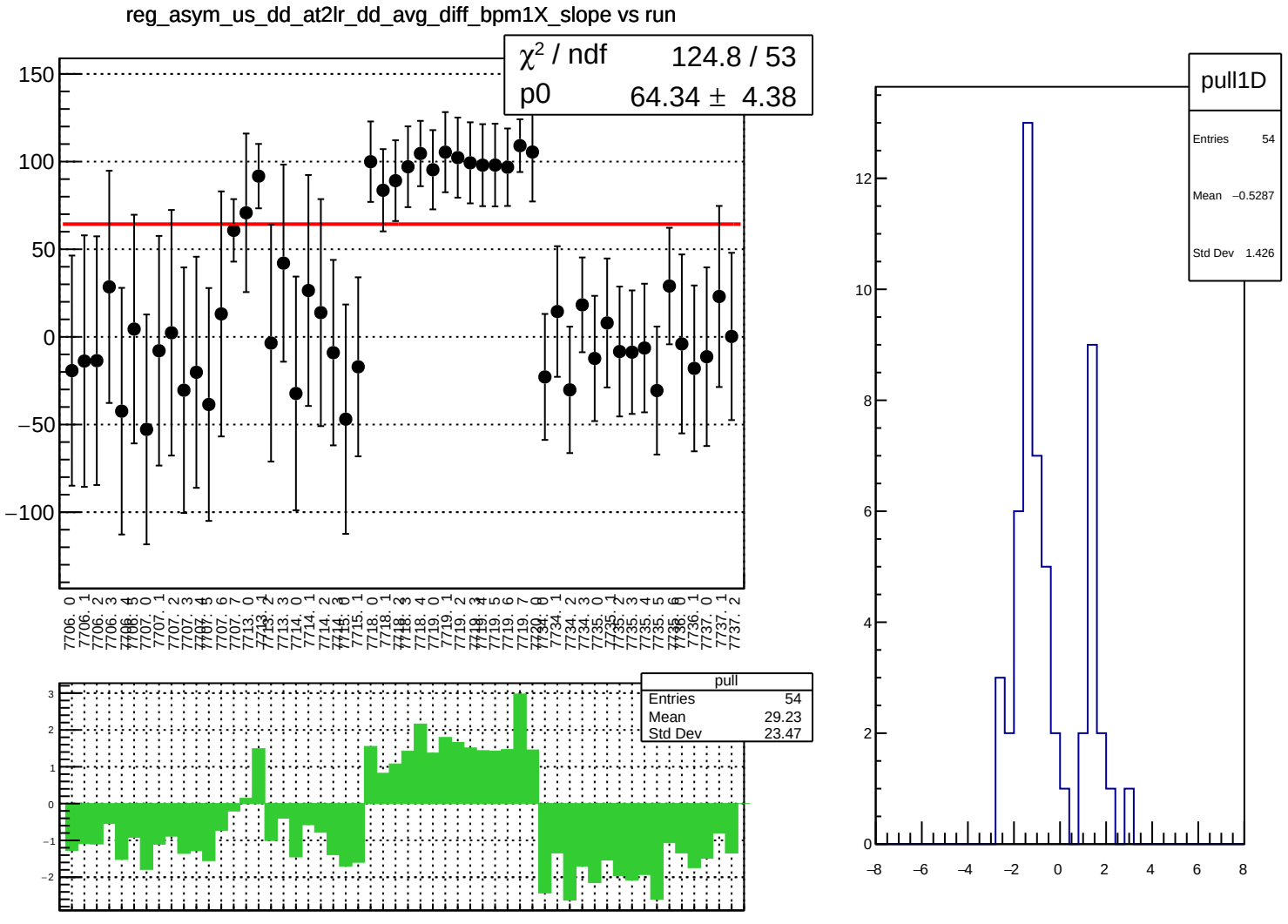

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 18.13 / 53
p0 −26.83 ± 2.935
pull
Entries 54
Mean −5.278
Std Dev 0
pull1D
Entries 54
Mean −0.1001
Std Dev 0.5707

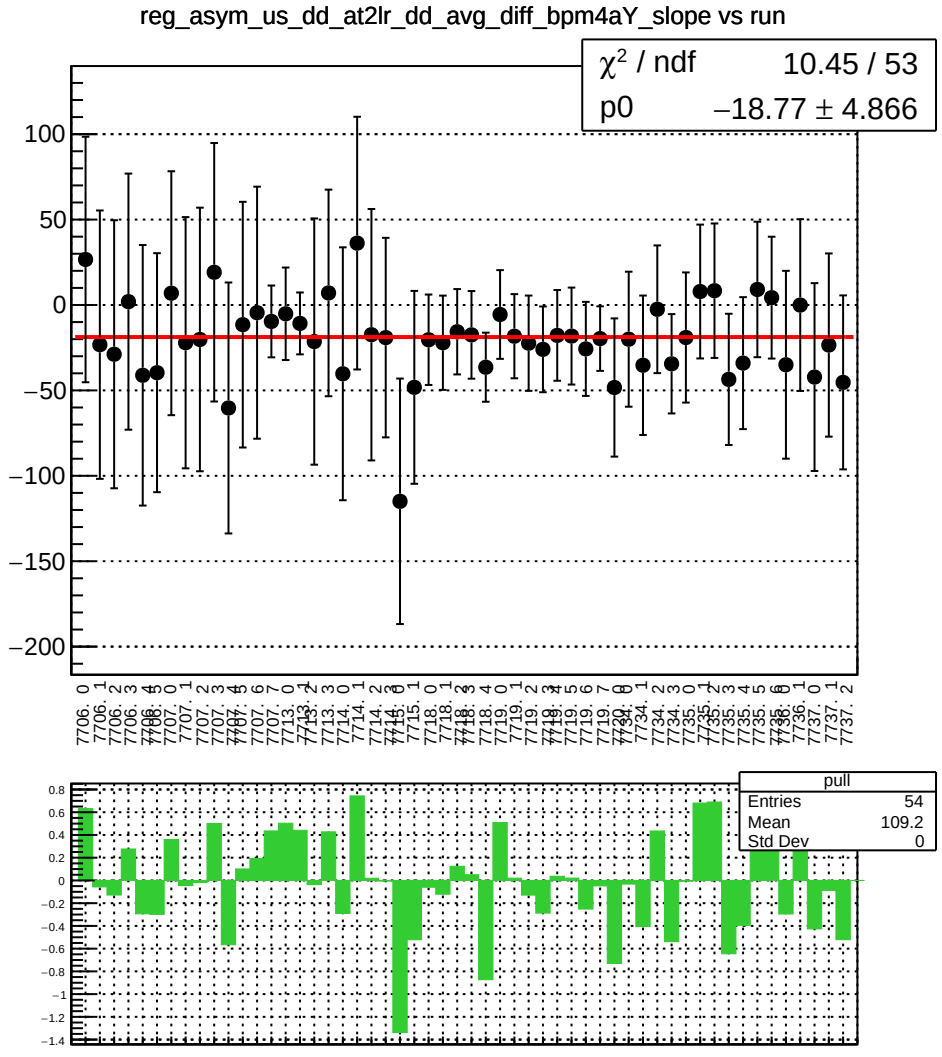

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.65 / 53
p0 −0.9983 ± 3.24
pull
Entries 54
Mean 53.69
Std Dev 0
pull1D
Entries 54
Mean −0.05648
Std Dev 0.5178

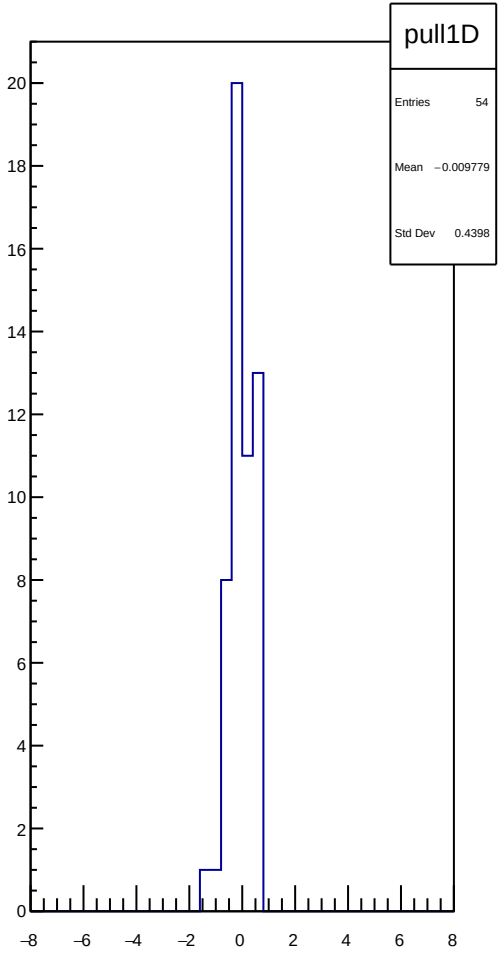

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.13 / 53
p0 −83.72 ± 2.535
pull
Entries 54
Mean −13.01
Std Dev 0
pull1D
Entries 54
Mean 0.1145
Std Dev 0.5997

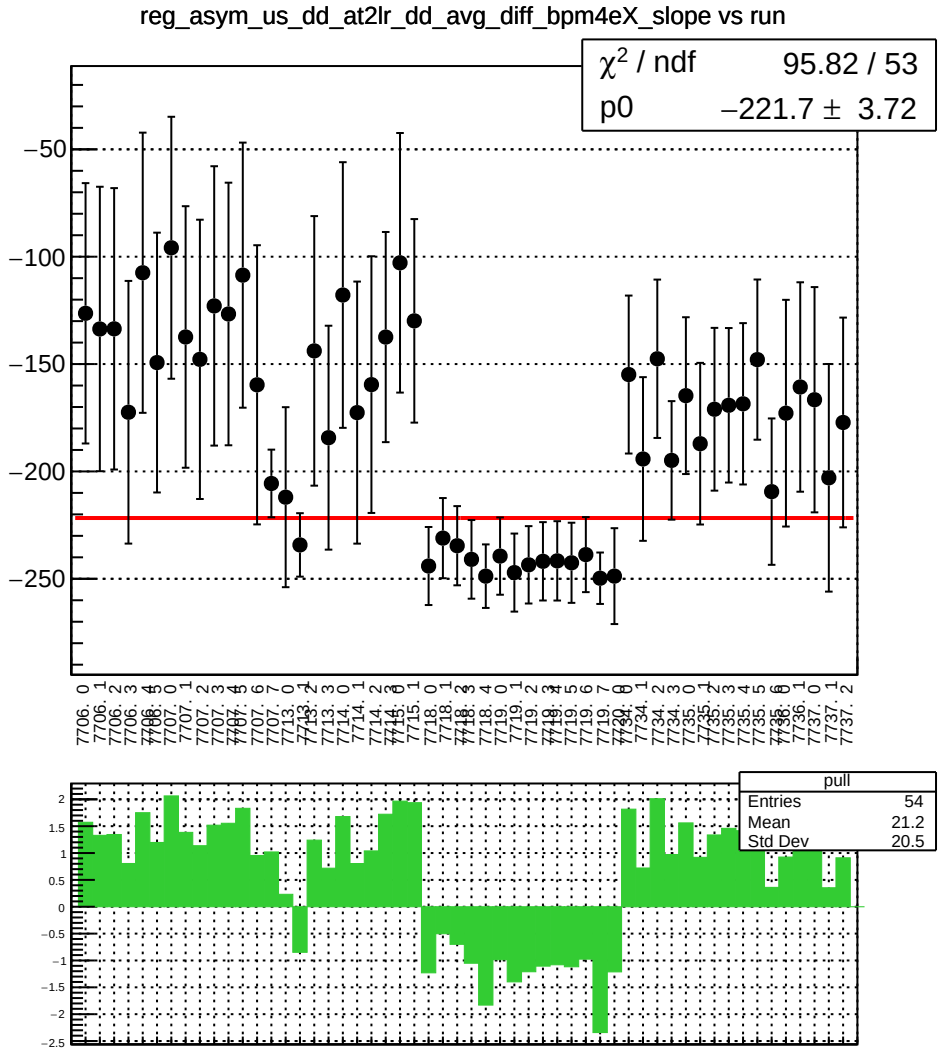

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.63 / 53
p0 8.479 ± 4.92
pull
Entries 54
Mean 61.47
Std Dev 0
pull1D
Entries 54
Mean 0.06175
Std Dev 0.5168

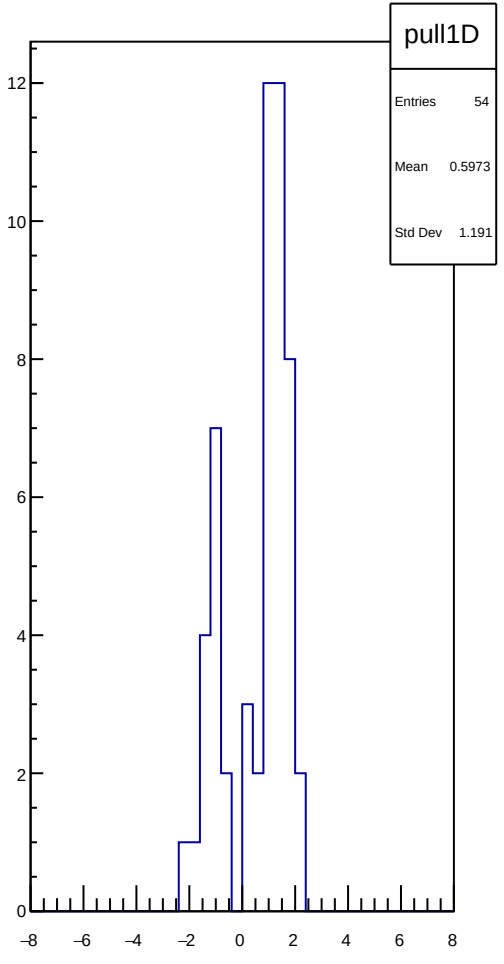

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 14.98 / 53
p0 −15.52 ± 0.2014
pull
Entries 54
Mean 310.4
Std Dev 0
pull1D
Entries 54
Mean −0.006858
Std Dev 0.5266

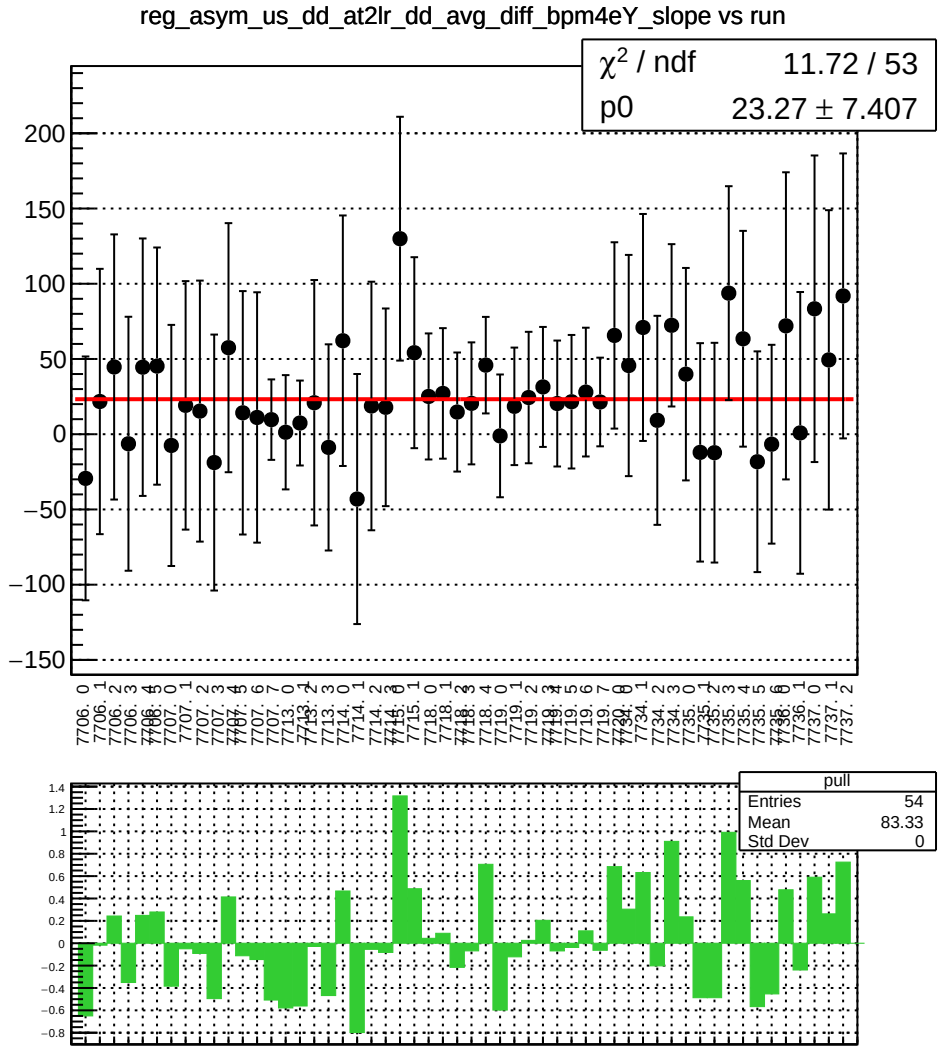

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 124.8 / 53
p0 64.34 ± 4.38
pull
Entries 54
Mean 29.23
Std Dev 23.47
pull1D
Entries 54
Mean −0.5287
Std Dev 1.426

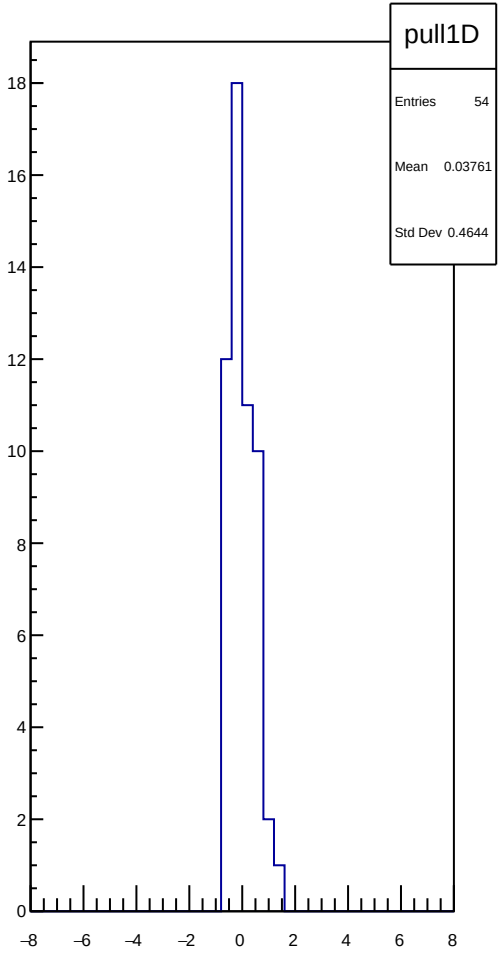

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.45 / 53
p0 −18.77 ± 4.866
pull
Entries 54
Mean 109.2
Std Dev 0

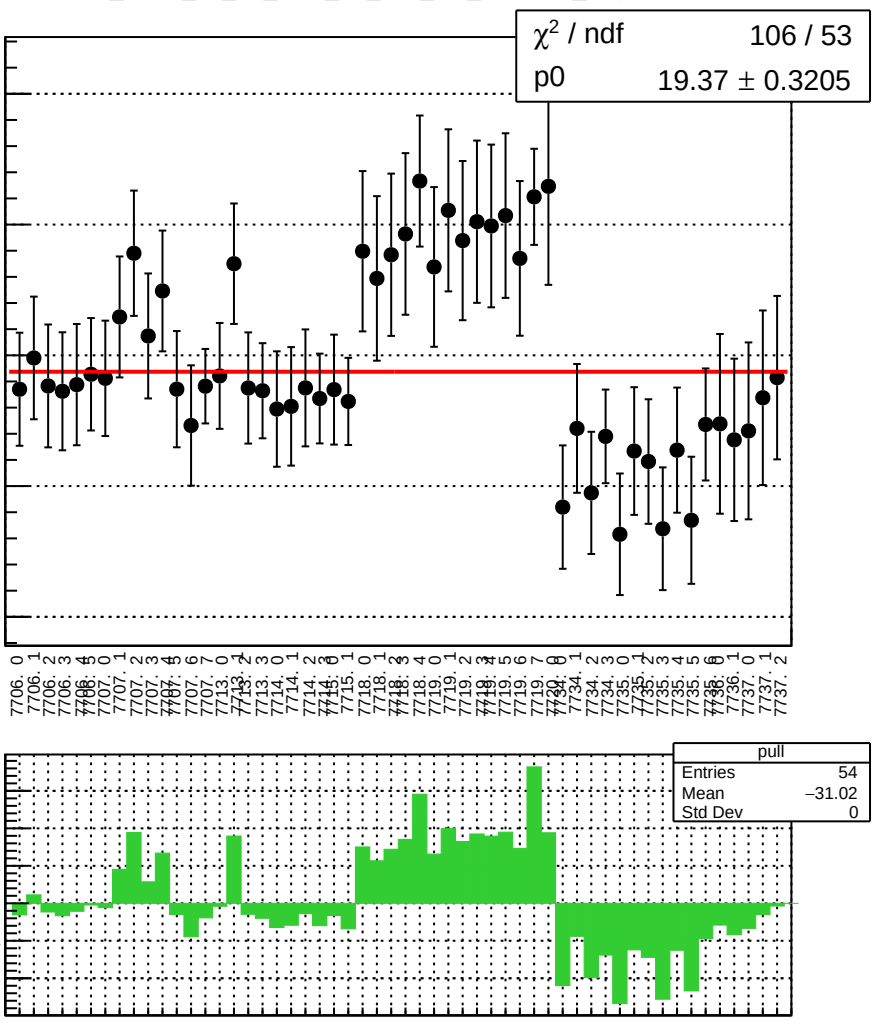

pull1D
Entries 54
Mean −0.009779
Std Dev 0.4398

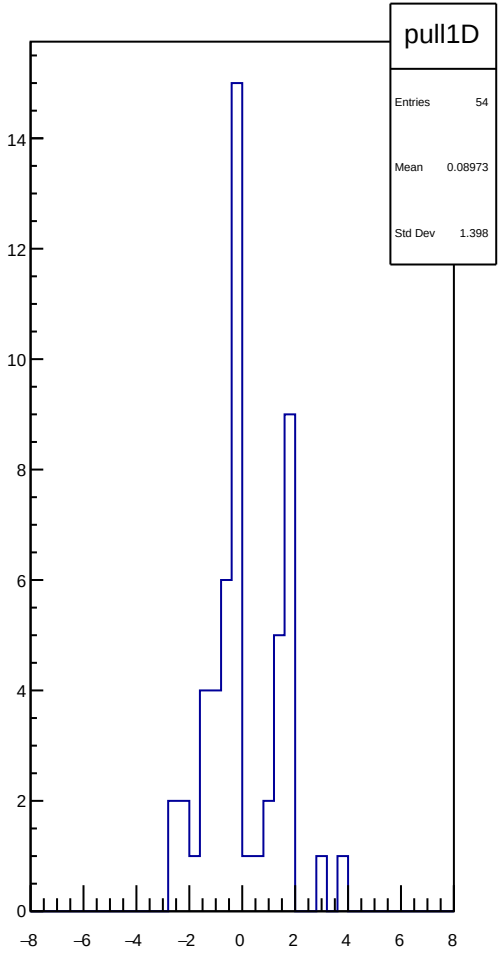

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.82 / 53
p0 −221.7 ± 3.72
pull
Entries 54
Mean 21.2
Std Dev 20.5

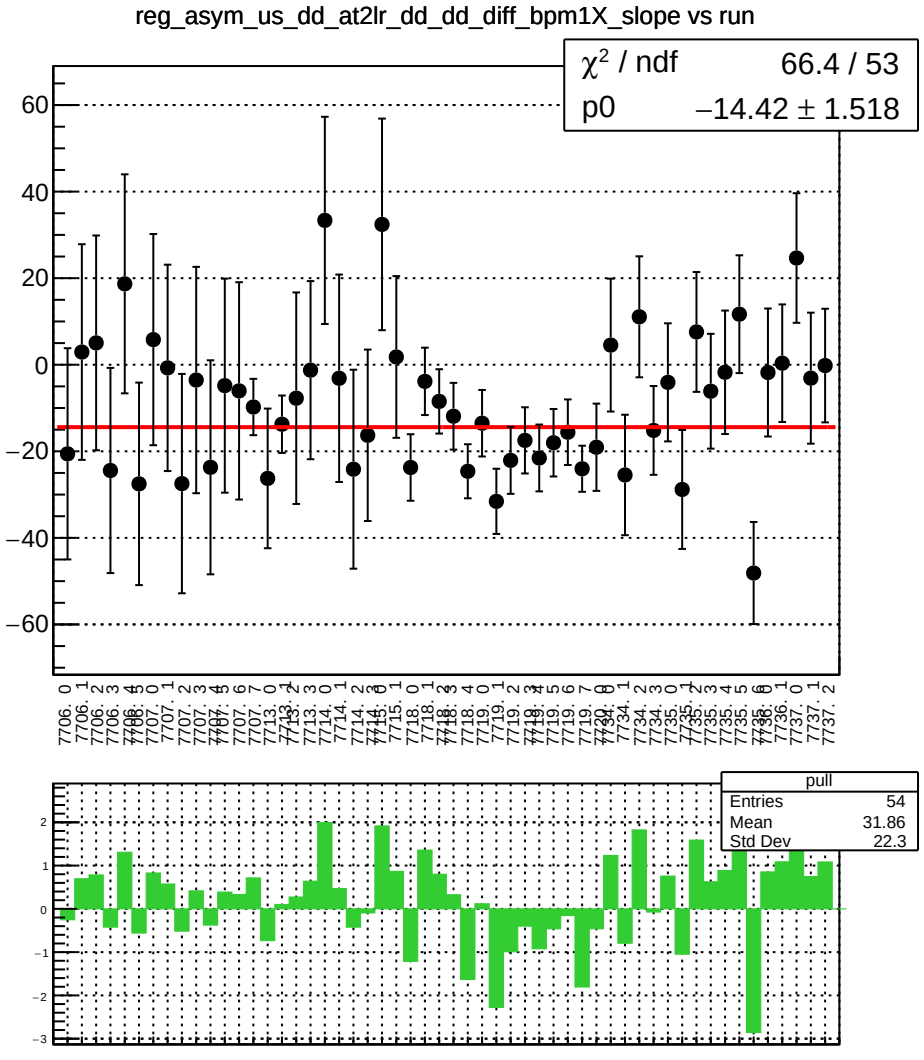

pull1D
Entries 54
Mean 0.5973
Std Dev 1.191

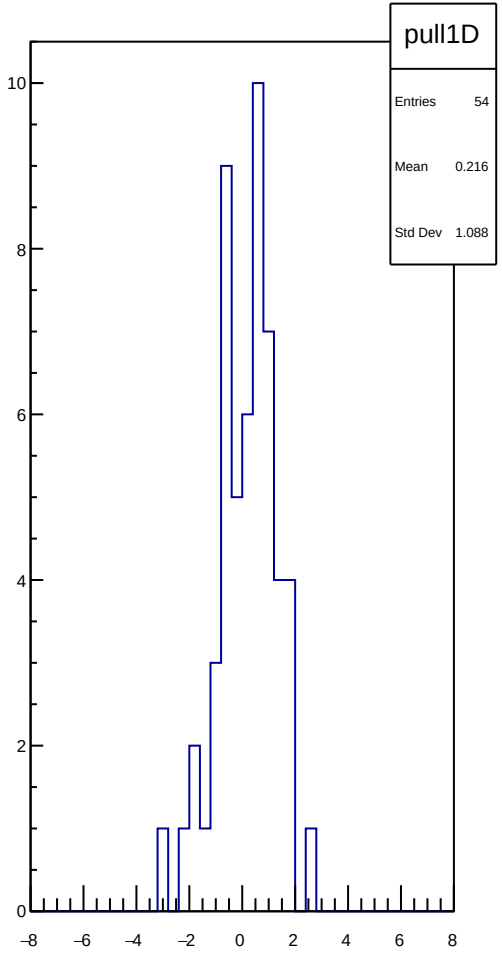

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.72 / 53
p0 23.27 ± 7.407
pull
Entries 54
Mean 83.33
Std Dev 0

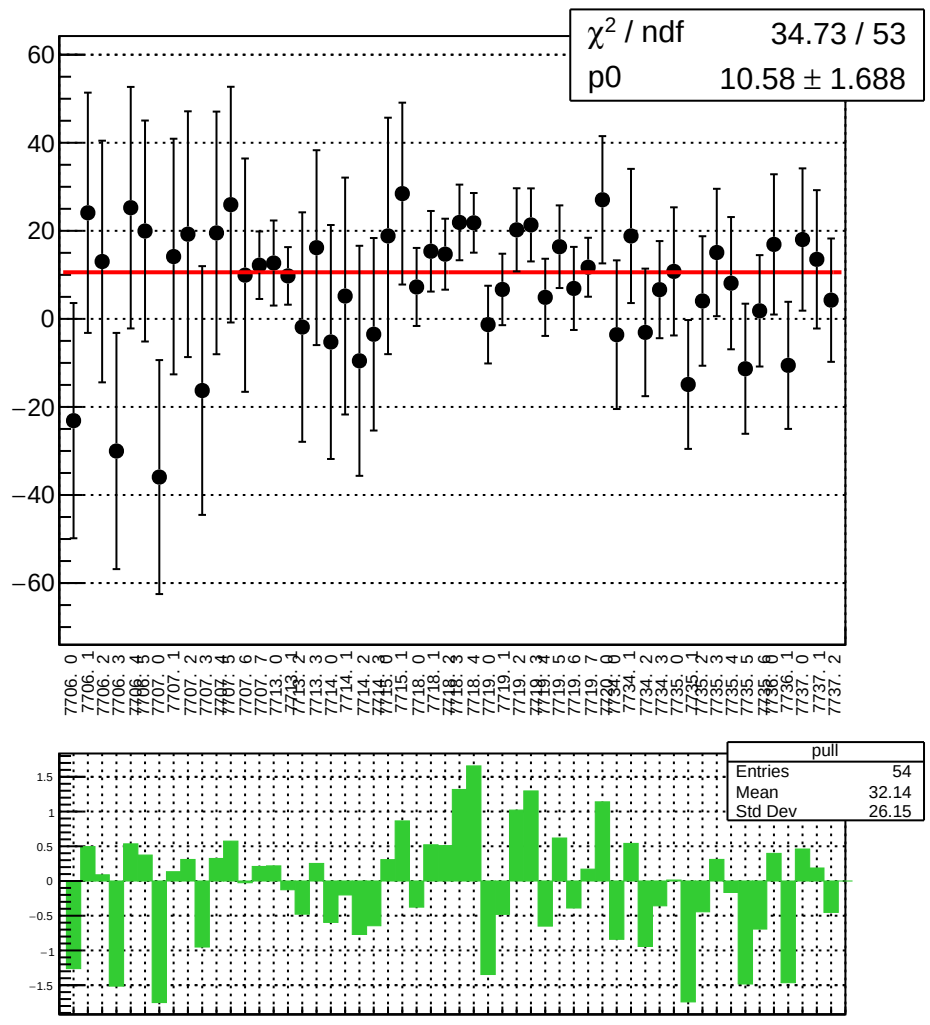

pull1D
Entries 54
Mean 0.03761
Std Dev 0.4644

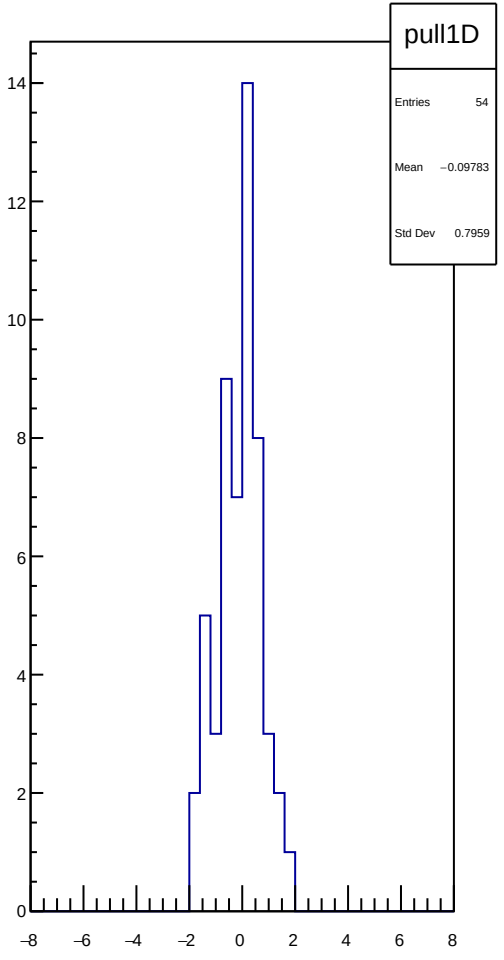

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 106 / 53
p0 19.37 ± 0.3205
pull
Entries 54
Mean −31.02
Std Dev 0

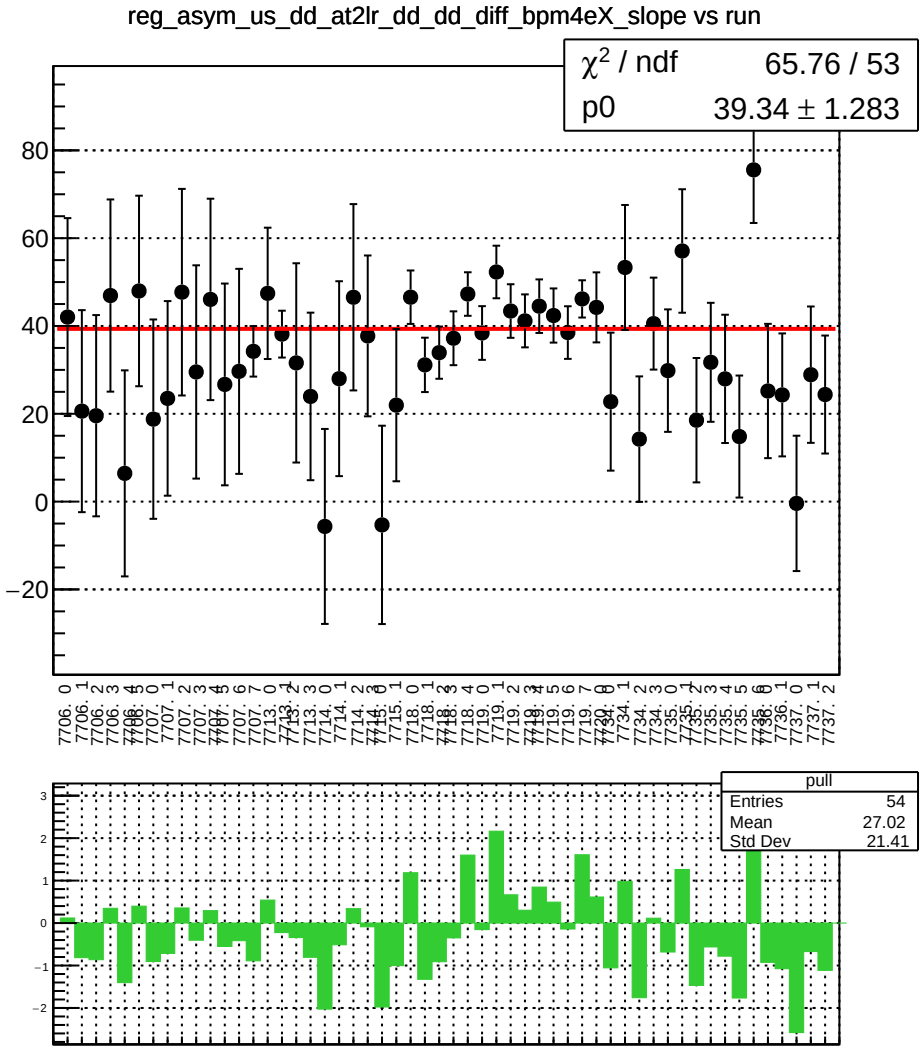

pull1D
Entries 54
Mean 0.08973
Std Dev 1.398

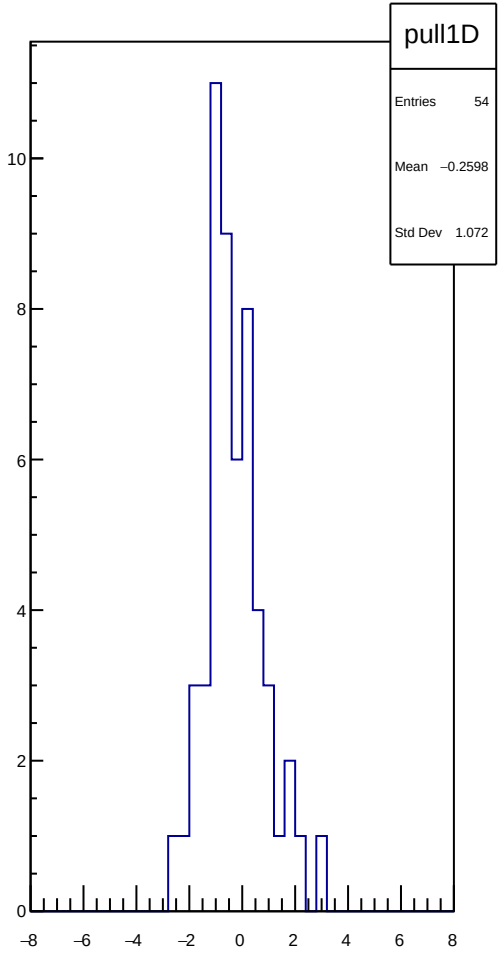

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 66.4 / 53
p0 −14.42 ± 1.518
pull
Entries 54
Mean 31.86
Std Dev 22.3

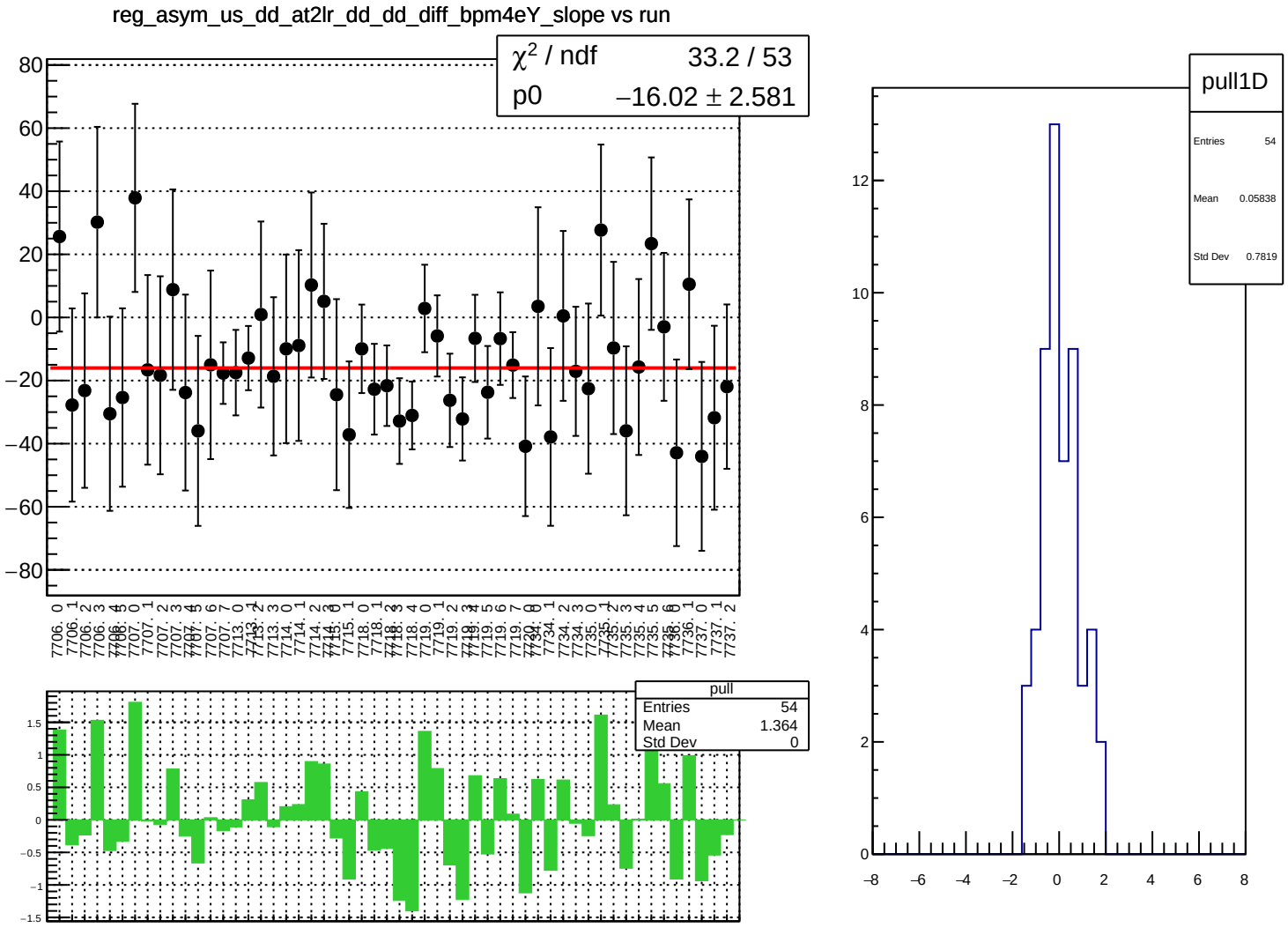

pull1D
Entries 54
Mean 0.216
Std Dev 1.088

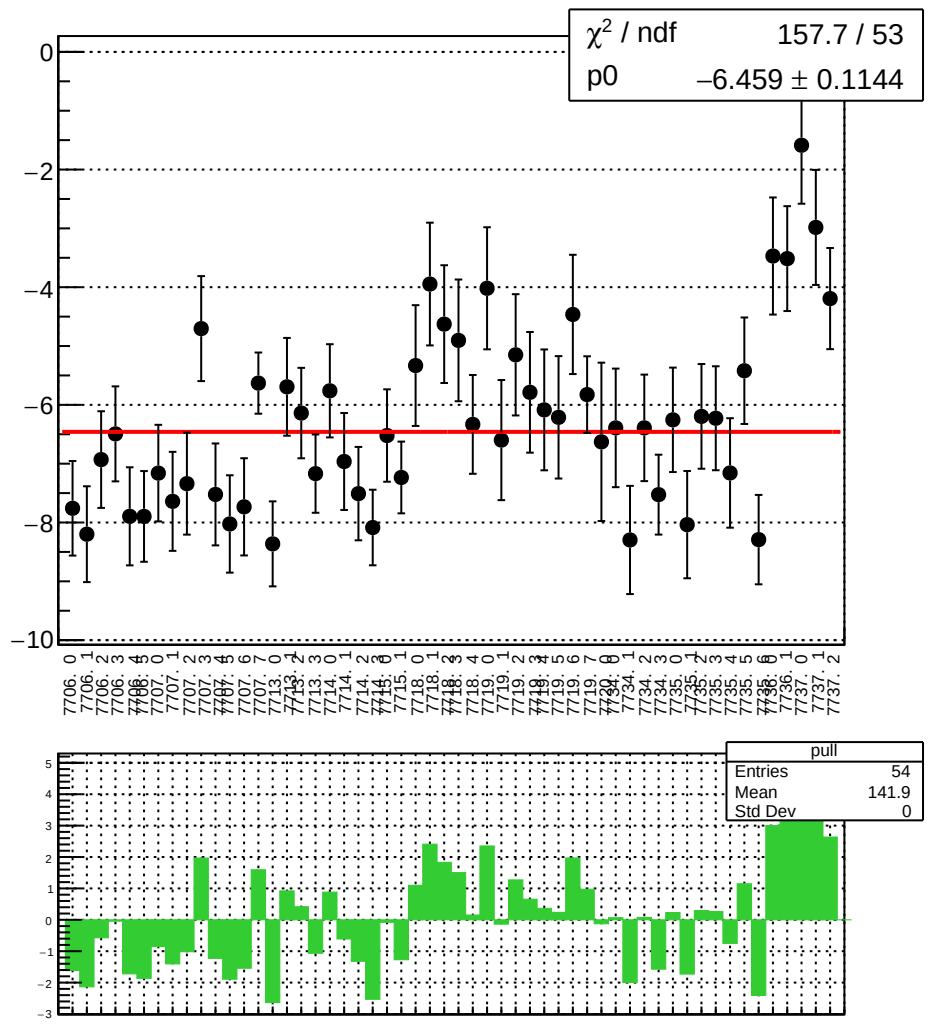

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.73 / 53
p0 10.58 ± 1.688
pull
Entries 54
Mean 32.14
Std Dev 26.15

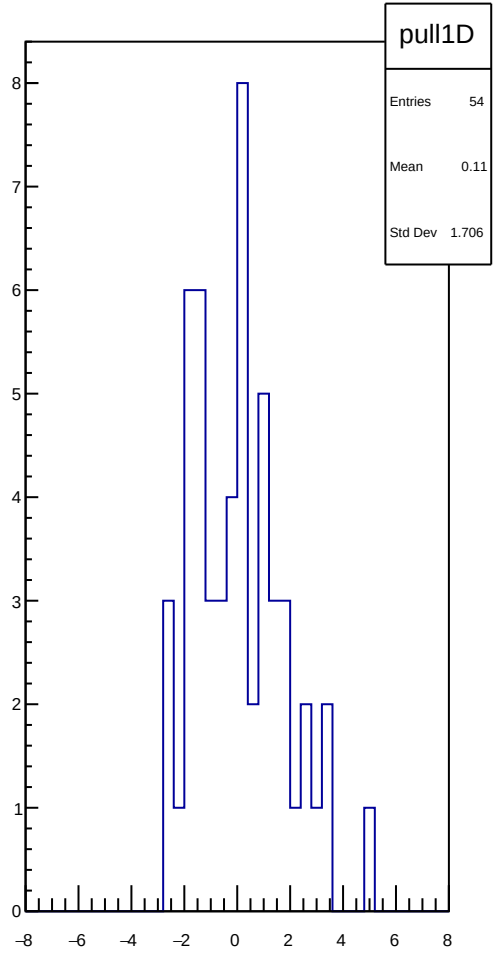

pull1D
Entries 54
Mean −0.09783
Std Dev 0.7959

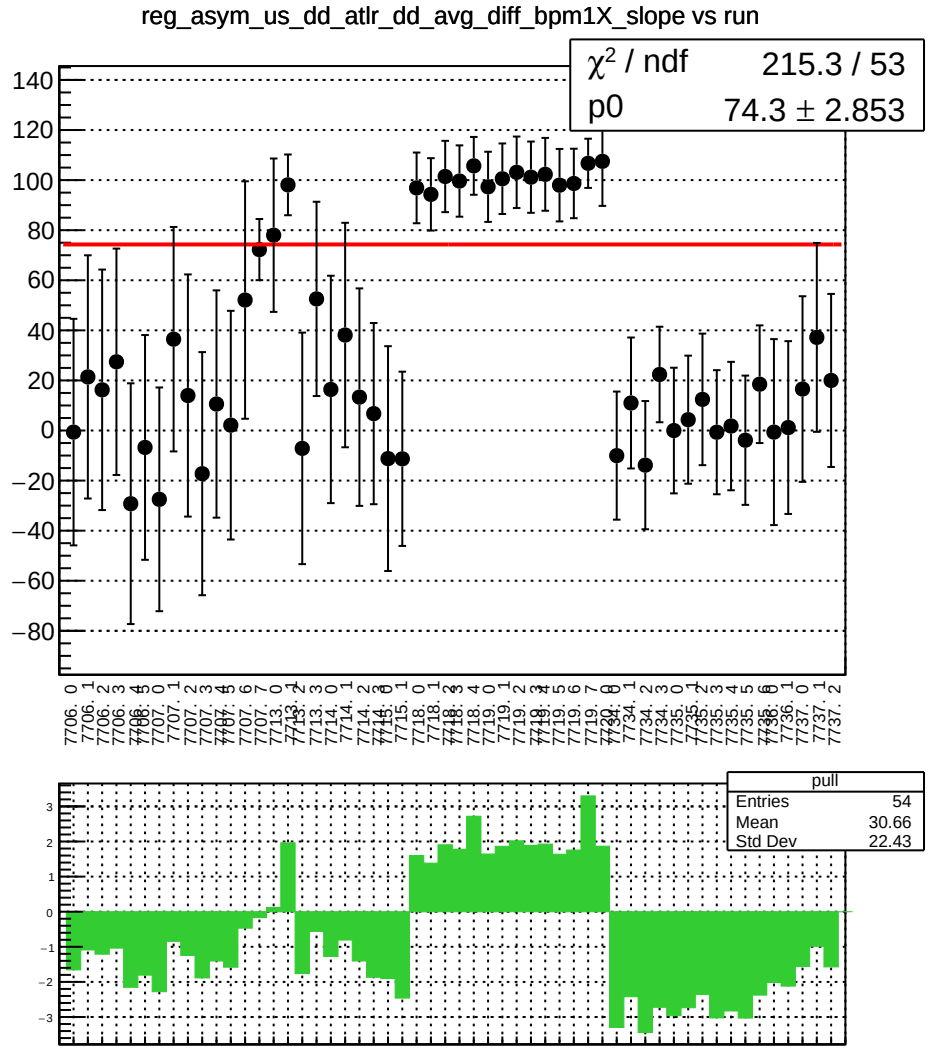

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.76 / 53
p0 39.34 ± 1.283
pull
Entries 54
Mean 27.02
Std Dev 21.41

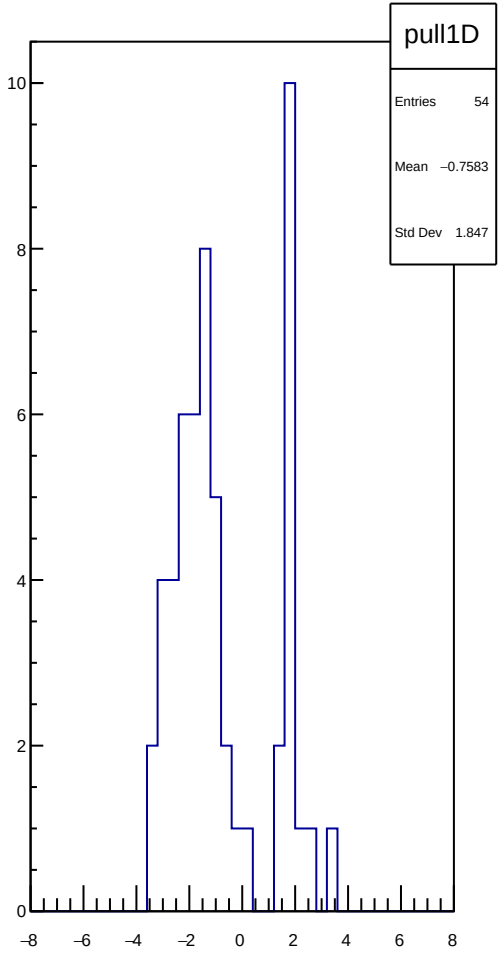

pull1D
Entries 54
Mean −0.2598
Std Dev 1.072

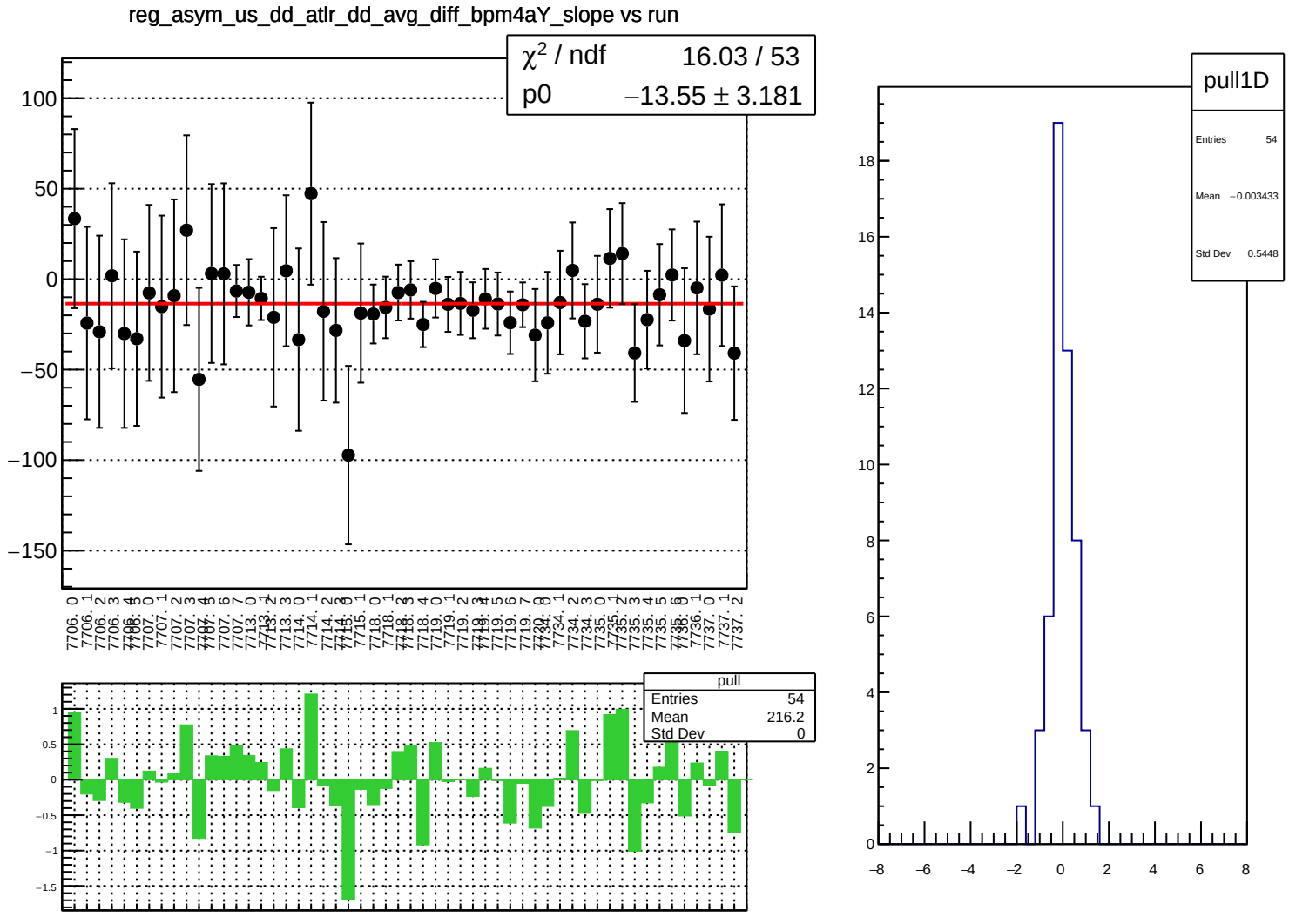

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.2 / 53
p0 −16.02 ± 2.581
pull
Entries 54
Mean 1.364
Std Dev 0
pull1D
Entries 54
Mean 0.05838
Std Dev 0.7819

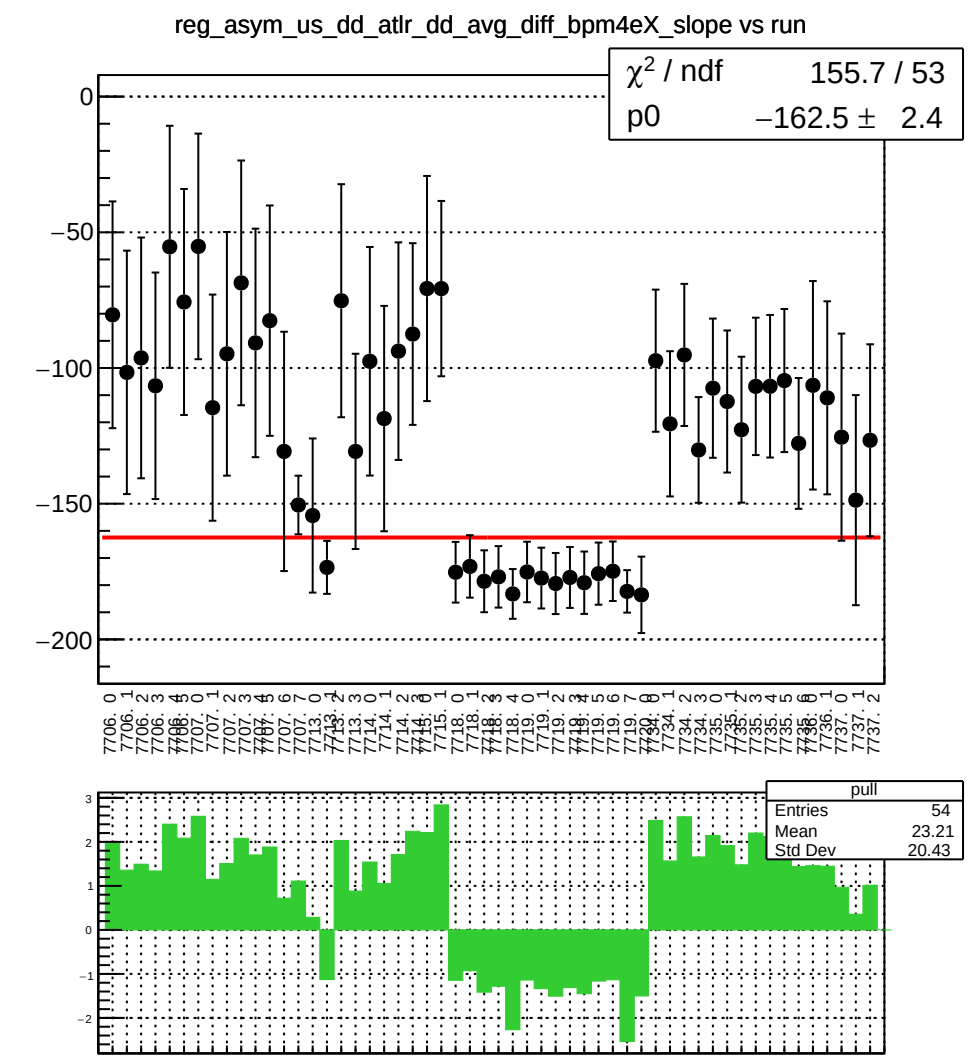

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 157.7 / 53
p0 −6.459 ± 0.1144
pull
Entries 54
Mean 141.9
Std Dev 0

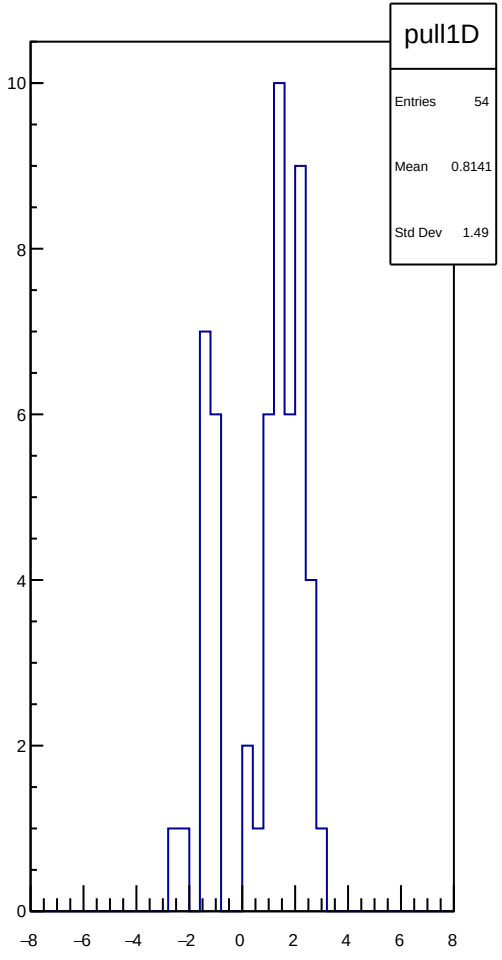

pull1D
Entries 54
Mean 0.11
Std Dev 1.706

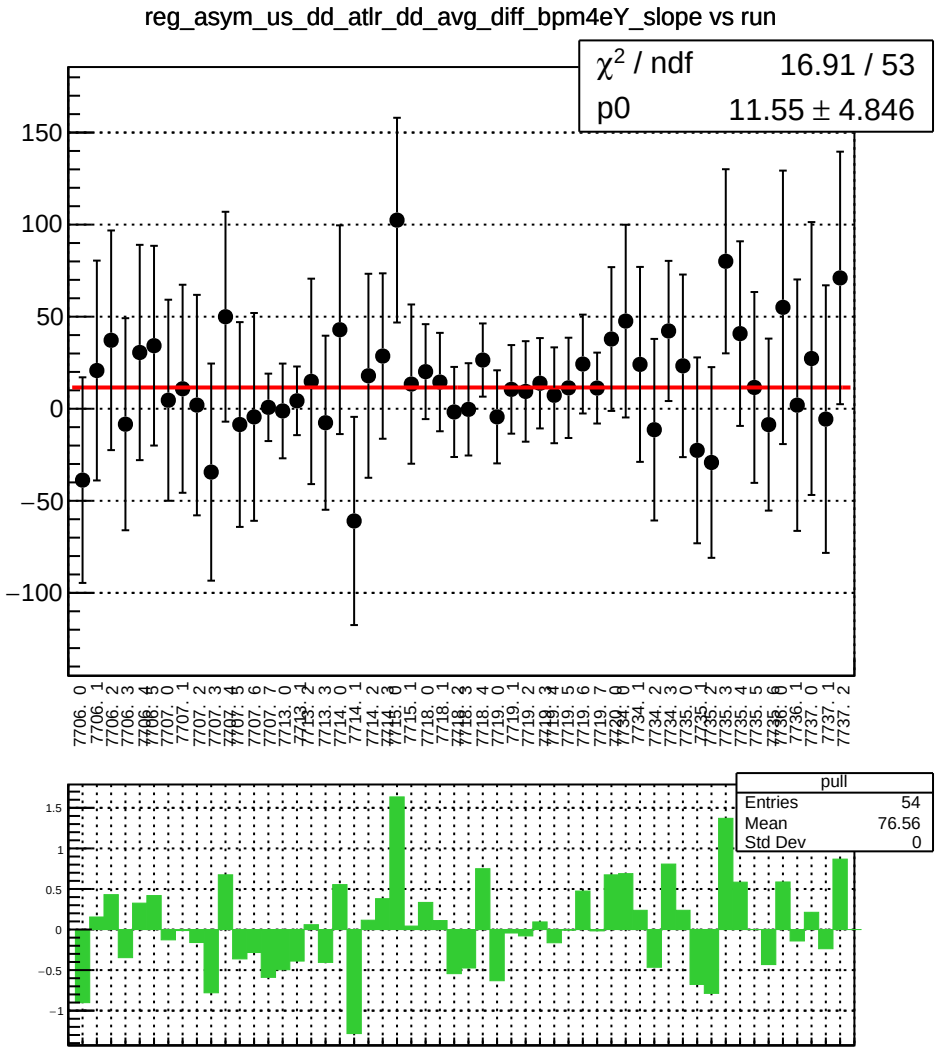

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 215.3 / 53
p0 74.3 ± 2.853
pull
Entries 54
Mean 30.66
Std Dev 22.43

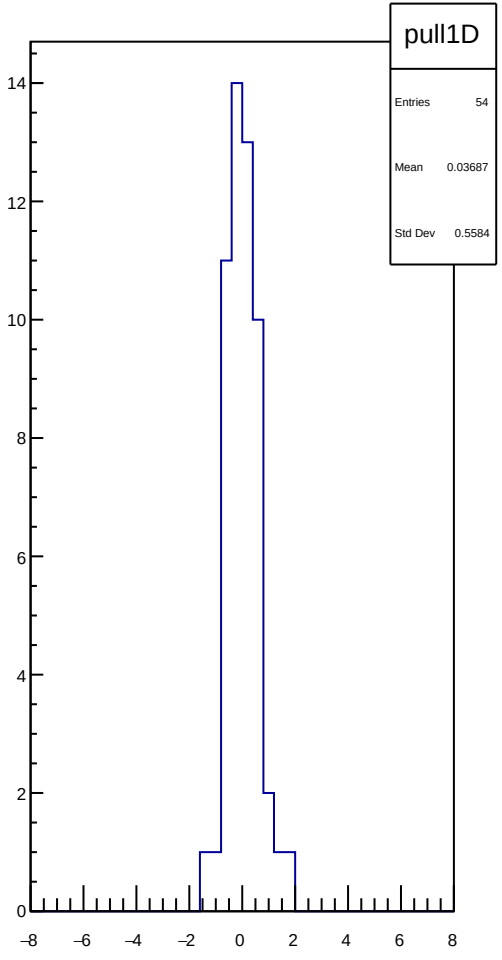

pull1D
Entries 54
Mean −0.7583
Std Dev 1.847

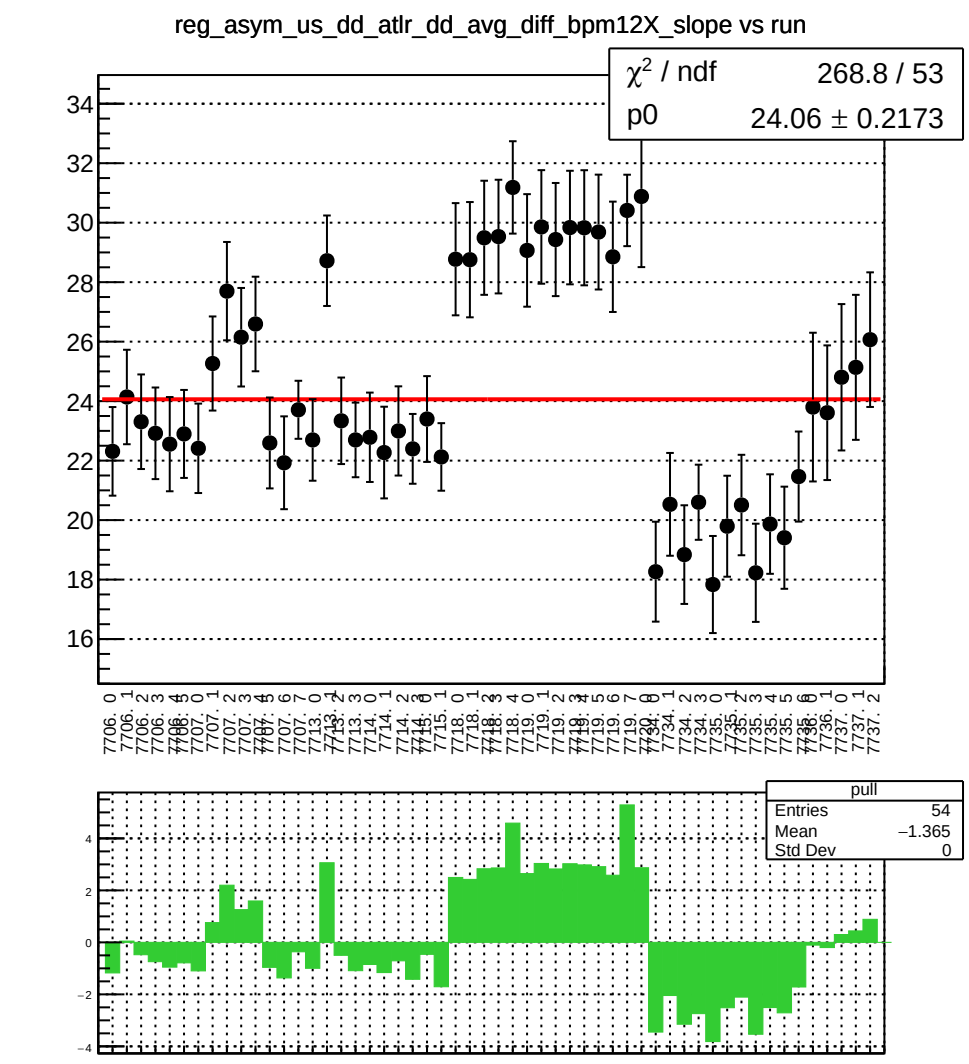

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.03 / 53
p0 −13.55 ± 3.181
pull
Entries 54
Mean 216.2
Std Dev 0
pull1D
Entries 54
Mean −0.003433
Std Dev 0.5448

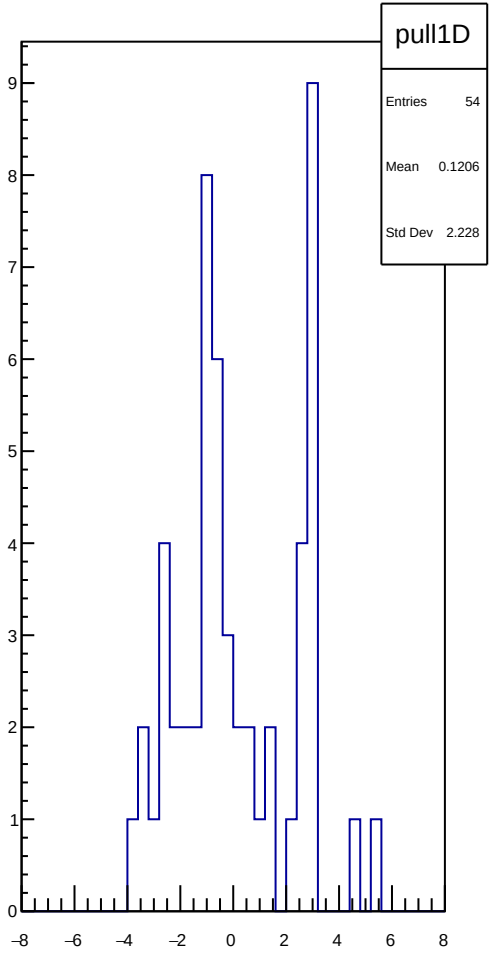

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 155.7 / 53
p0 −162.5 ± 2.4
pull
Entries 54
Mean 23.21
Std Dev 20.43

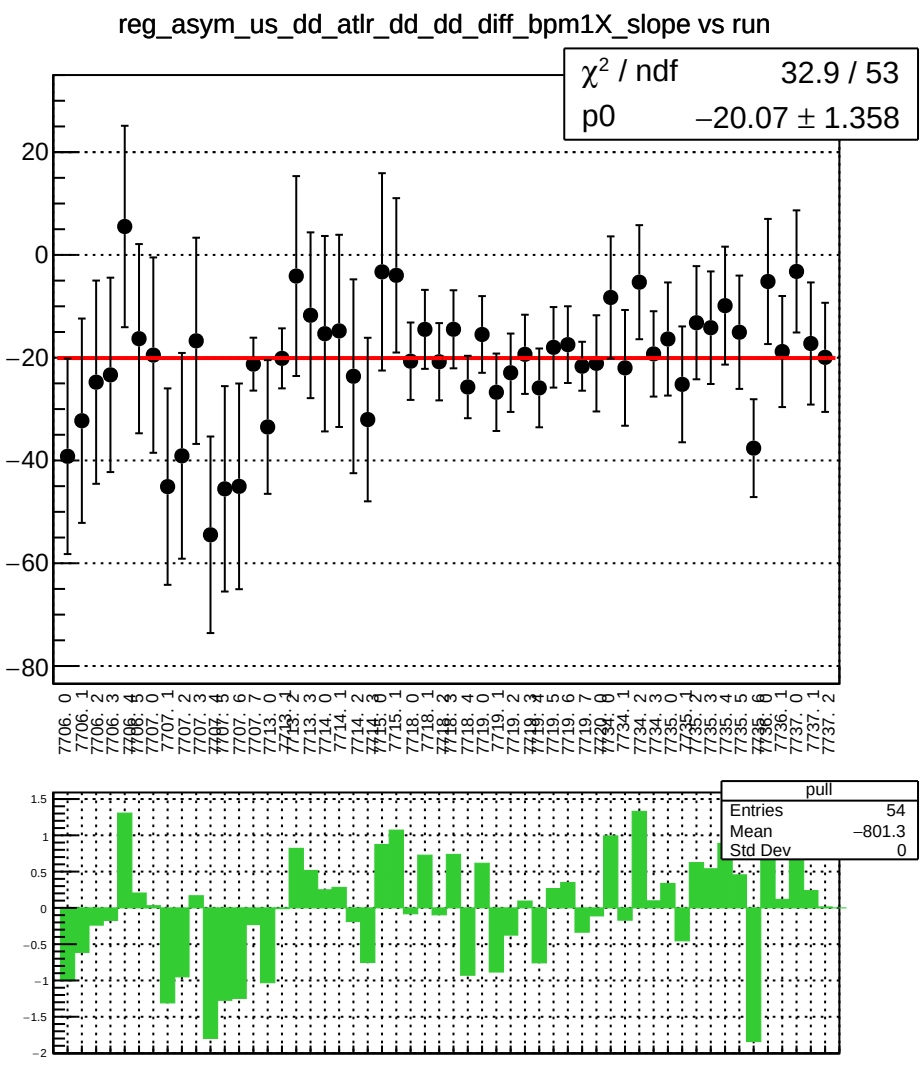

pull1D
Entries 54
Mean 0.8141
Std Dev 1.49

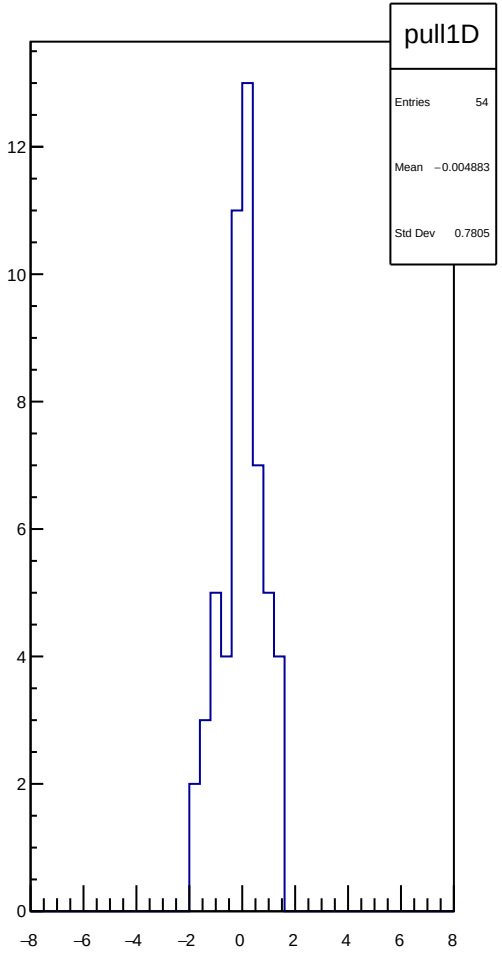

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.91 / 53
p0 11.55 ± 4.846
pull
Entries 54
Mean 76.56
Std Dev 0

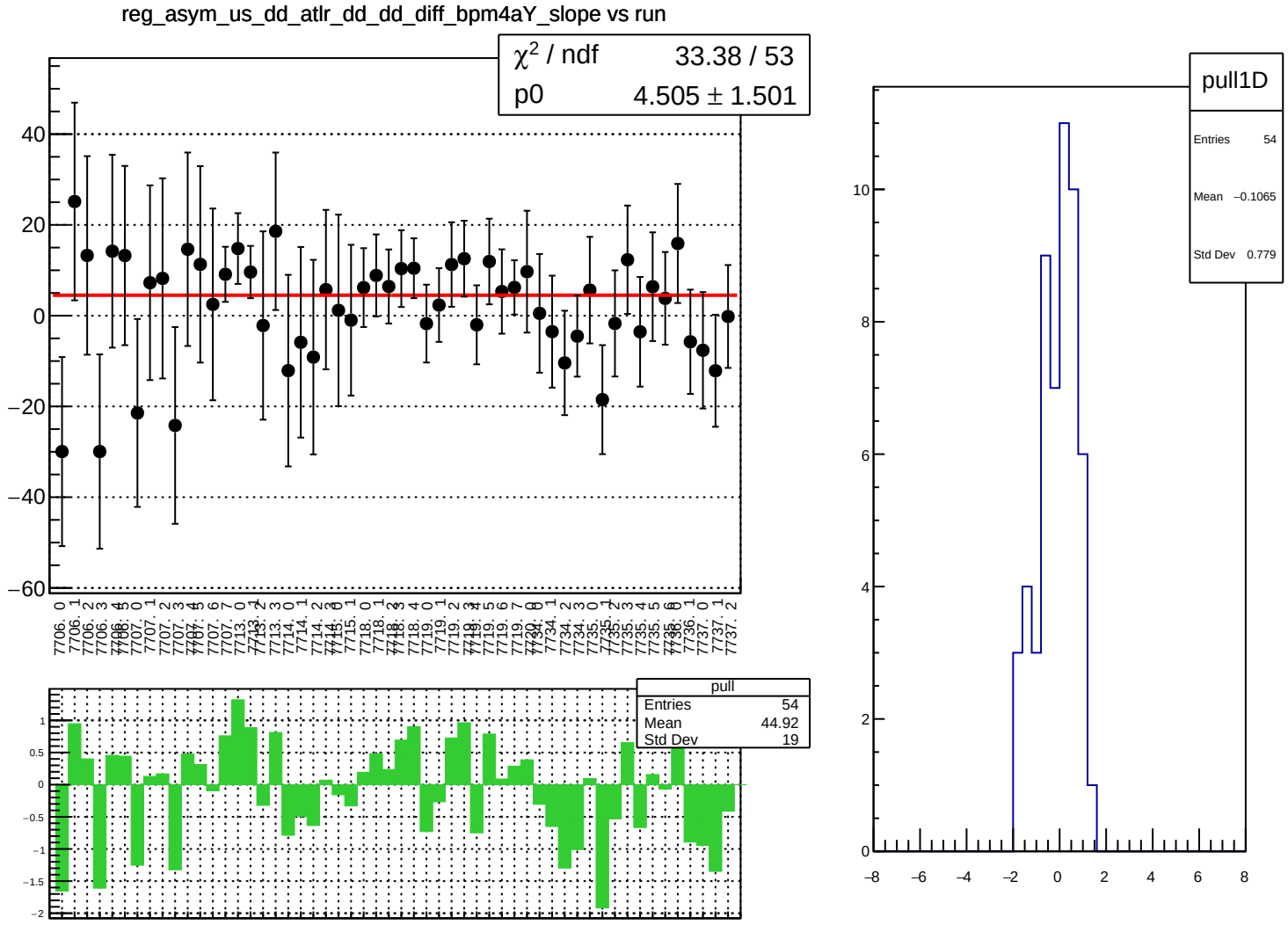

pull1D
Entries 54
Mean 0.03687
Std Dev 0.5584

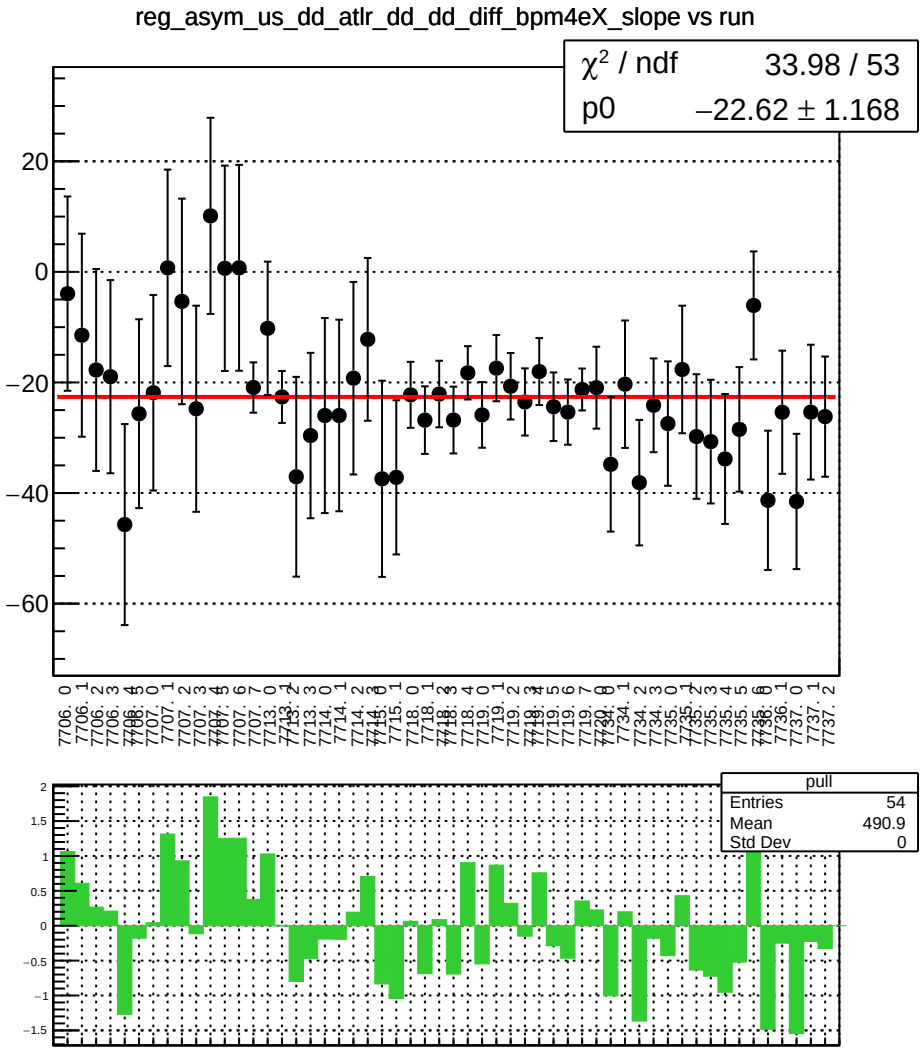

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 268.8 / 53
p0 24.06 ± 0.2173
pull
Entries 54
Mean −1.365
Std Dev 0

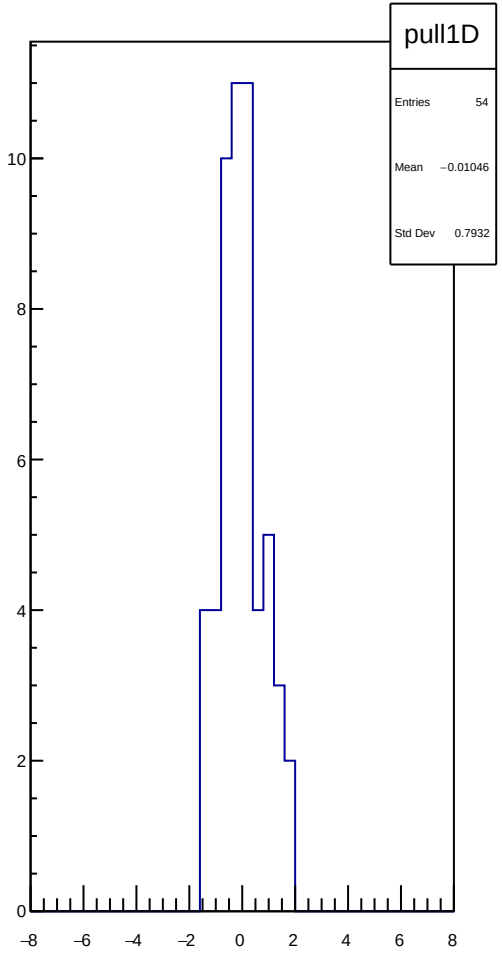

pull1D
Entries 54
Mean 0.1206
Std Dev 2.228

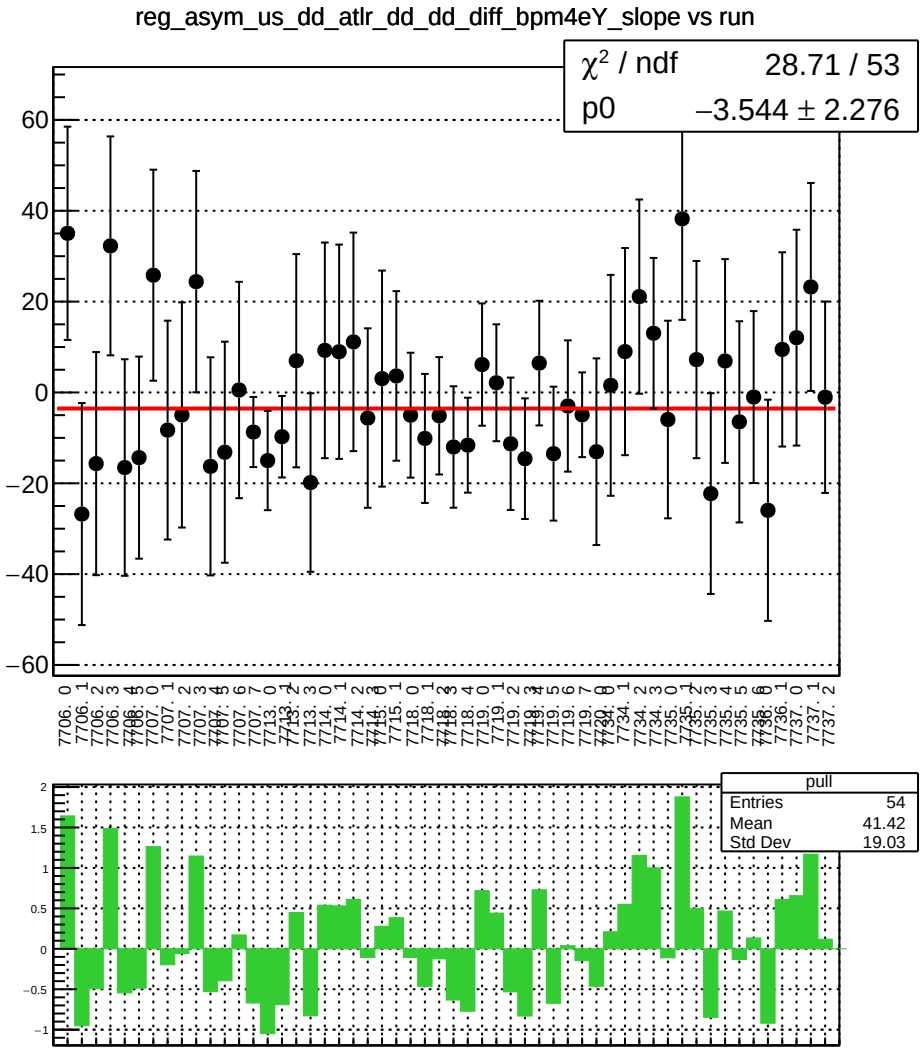

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 32.9 / 53
p0 −20.07 ± 1.358
pull
Entries 54
Mean −801.3
Std Dev 0

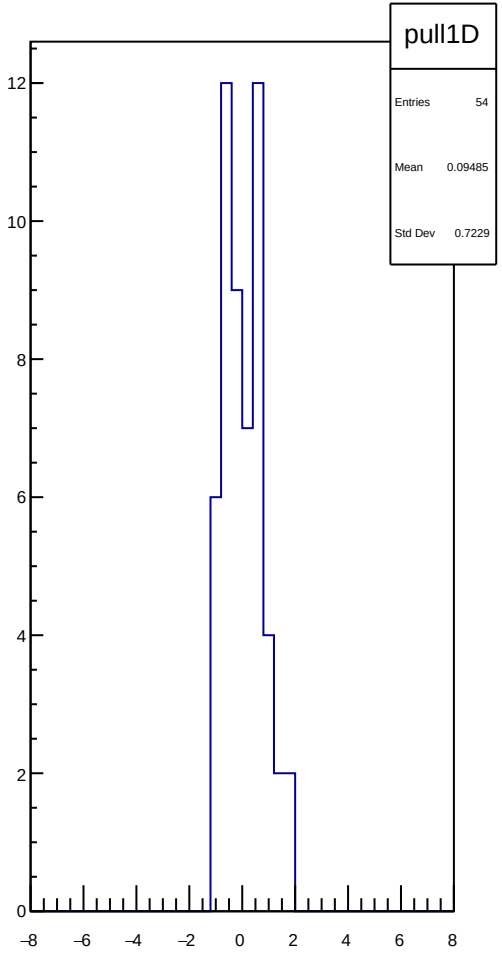

pull1D
Entries 54
Mean −0.004883
Std Dev 0.7805

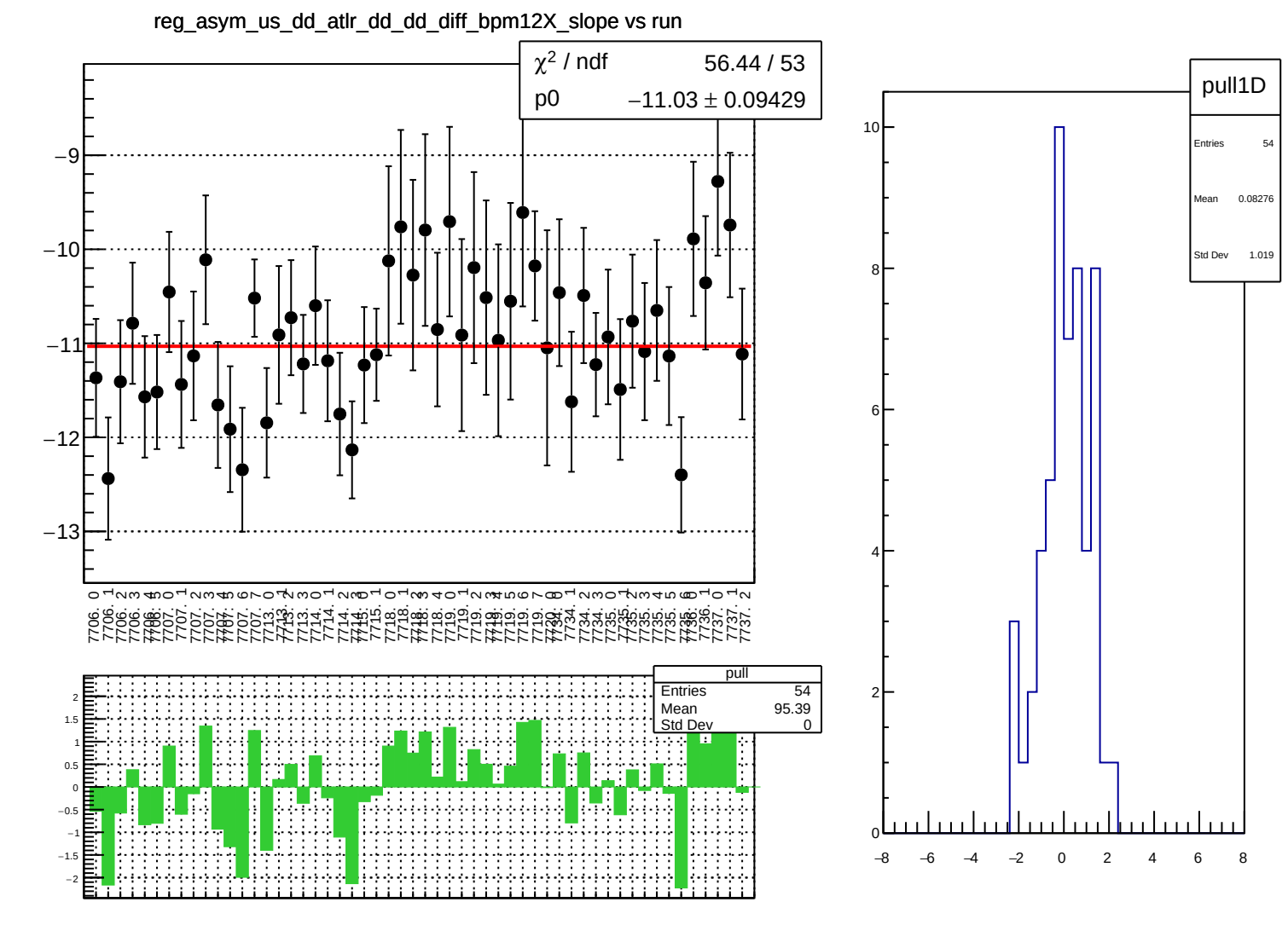

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.38 / 53
p0 4.505 ± 1.501
pull
Entries 54
Mean 44.92
Std Dev 19
pull1D
Entries 54
Mean −0.1065
Std Dev 0.779

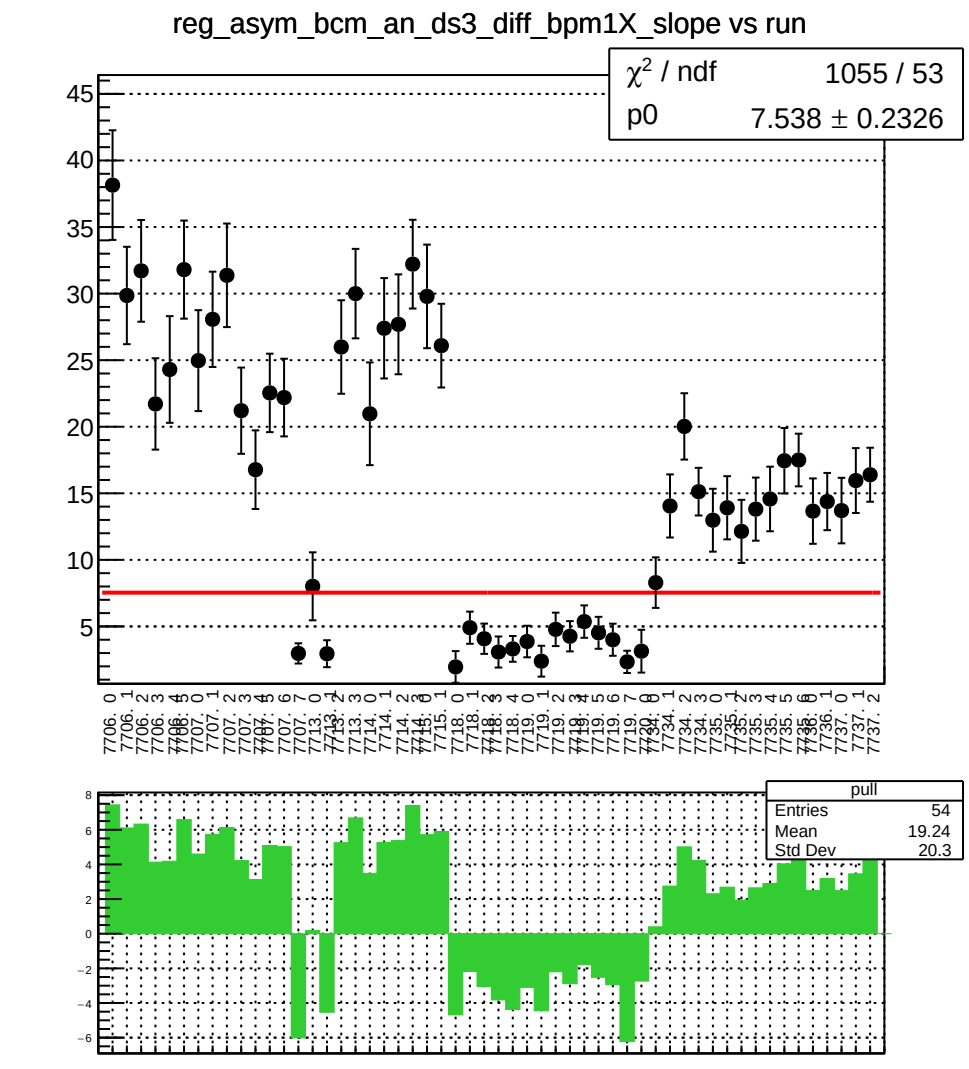

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.98 / 53
p0 −22.62 ± 1.168
pull
Entries 54
Mean 490.9
Std Dev 0

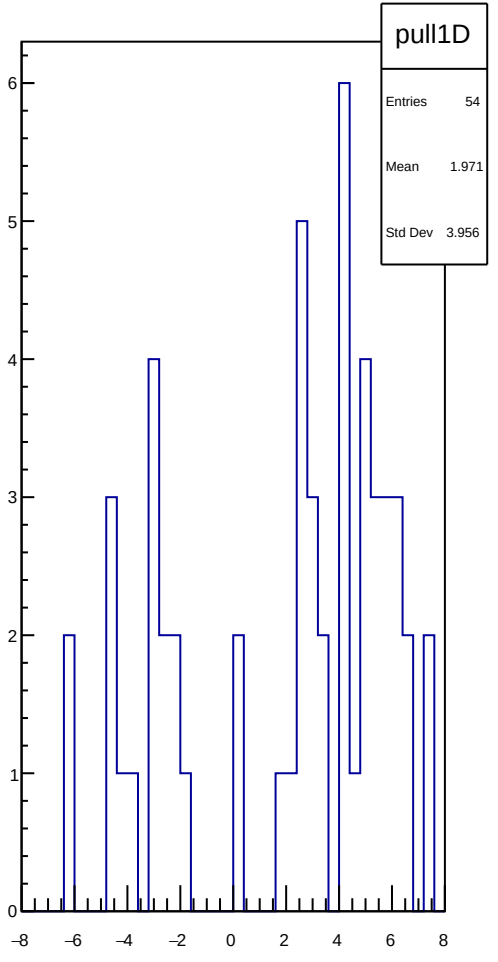

pull1D
Entries 54
Mean −0.01046
Std Dev 0.7932

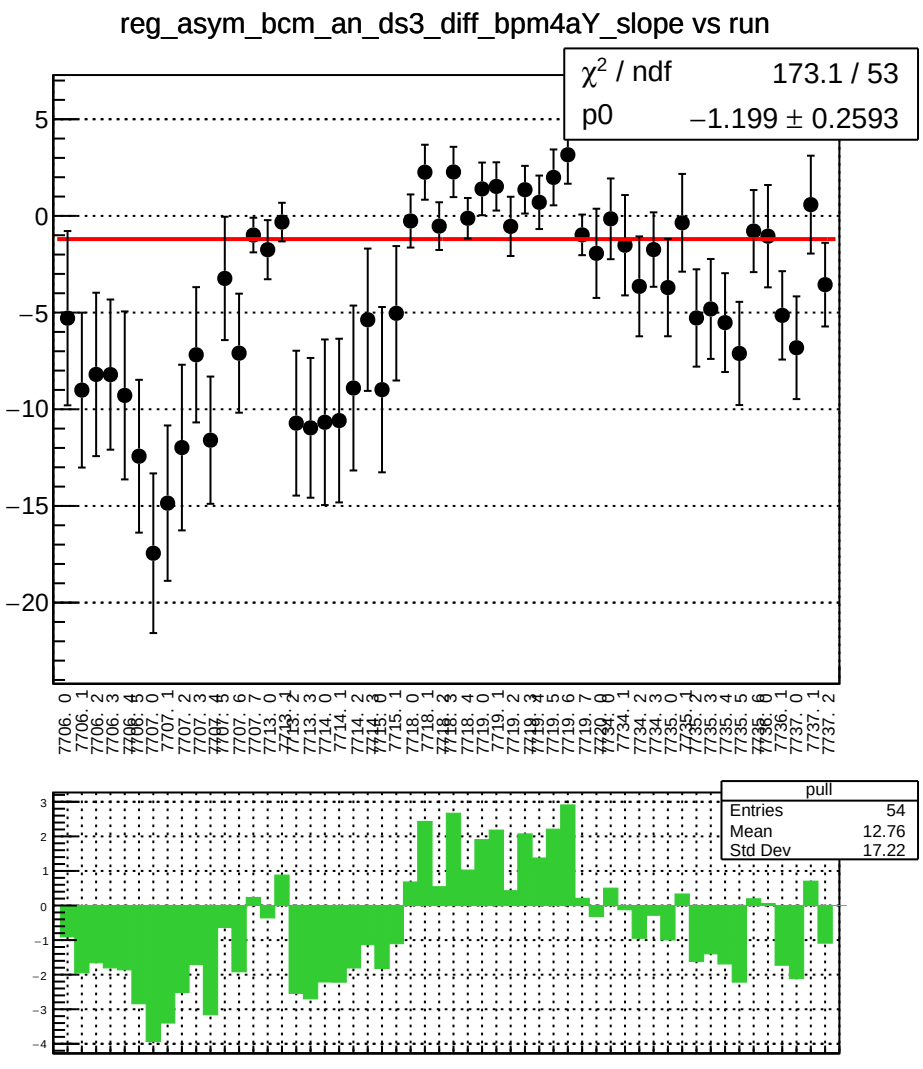

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.71 / 53
p0 −3.544 ± 2.276
pull
Entries 54
Mean 41.42
Std Dev 19.03

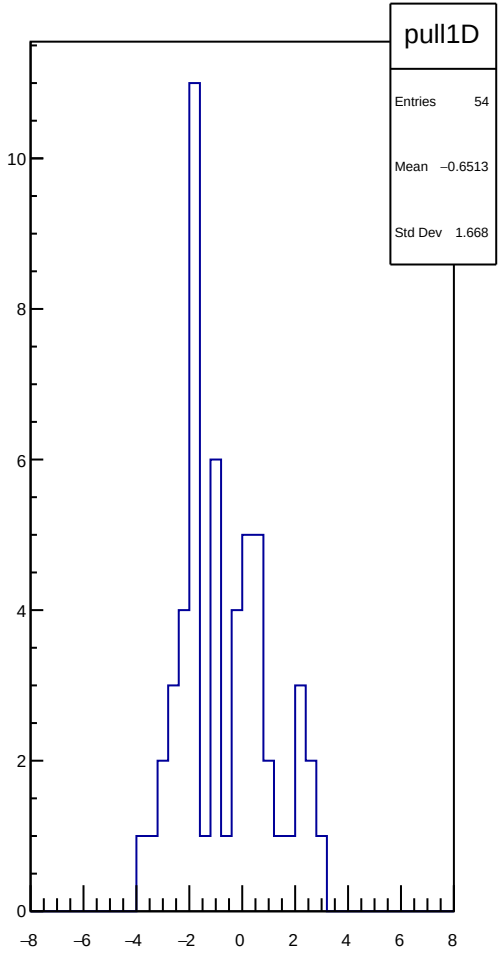

pull1D
Entries 54
Mean 0.09485
Std Dev 0.7229

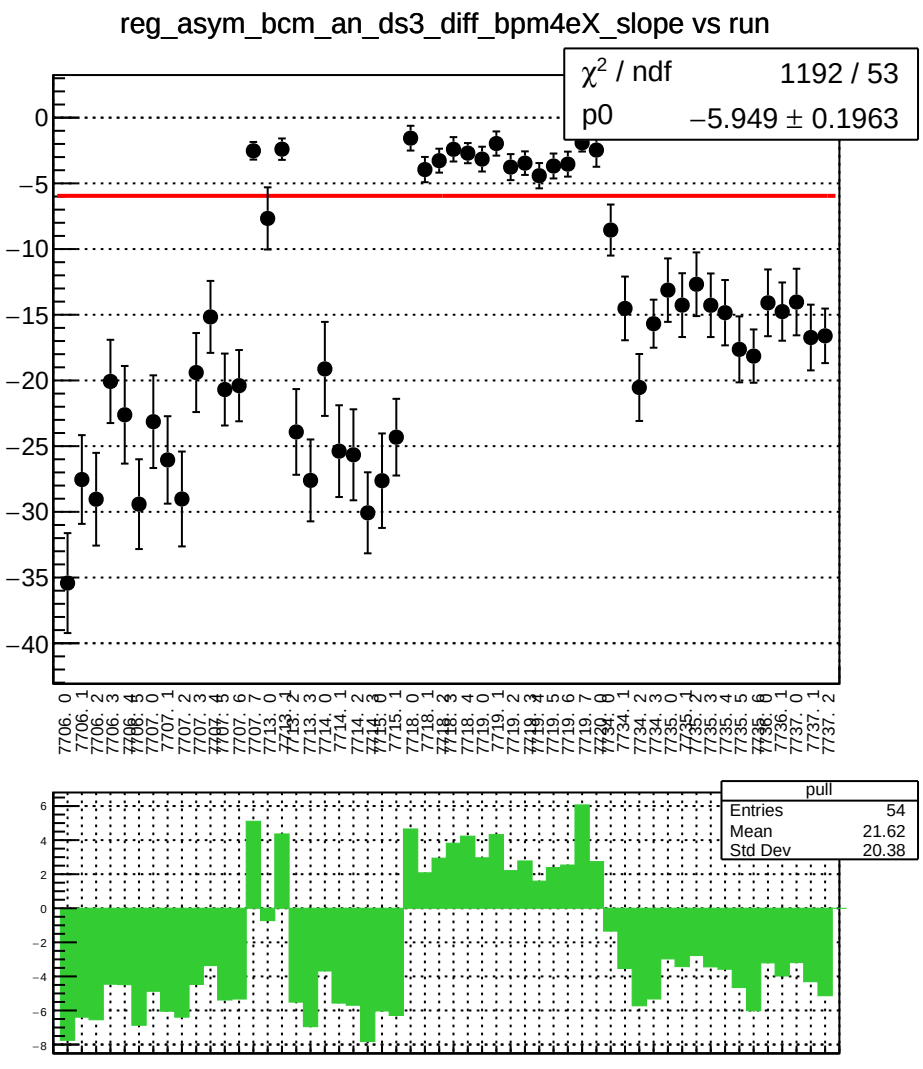

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 56.44 / 53
p0 −11.03 ± 0.09429
pull
Entries 54
Mean 95.39
Std Dev 0
pull1D
Entries 54
Mean 0.08276
Std Dev 1.019

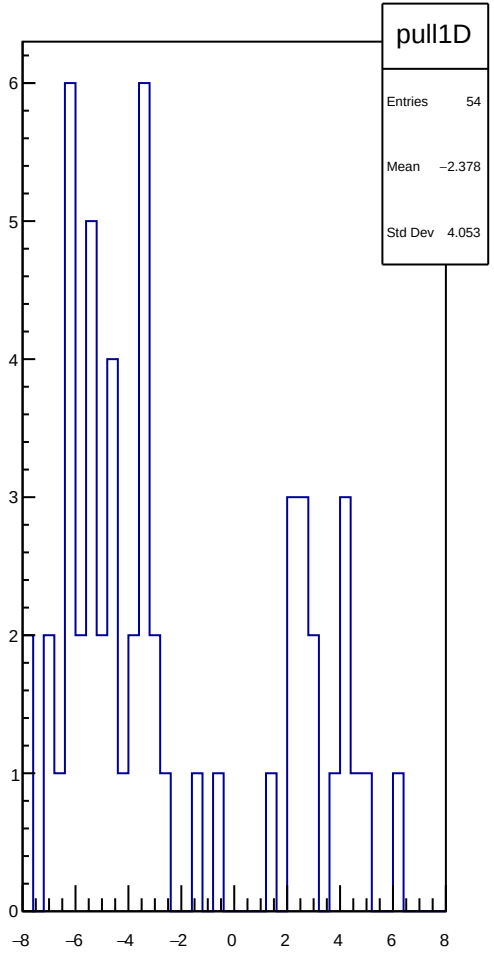

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1055 / 53
p0 7.538 ± 0.2326
pull
Entries 54
Mean 19.24
Std Dev 20.3

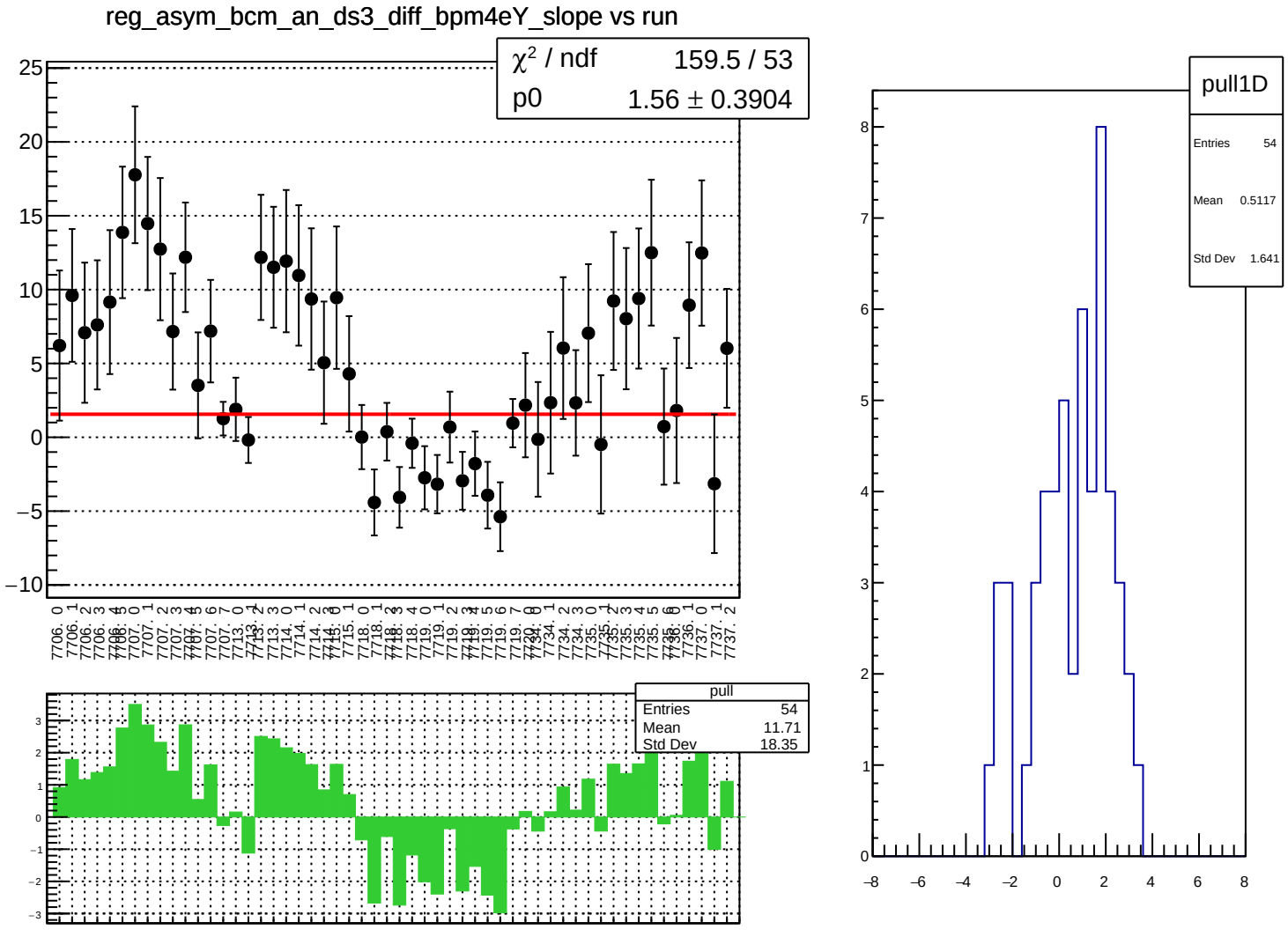

pull1D
Entries 54
Mean 1.971
Std Dev 3.956

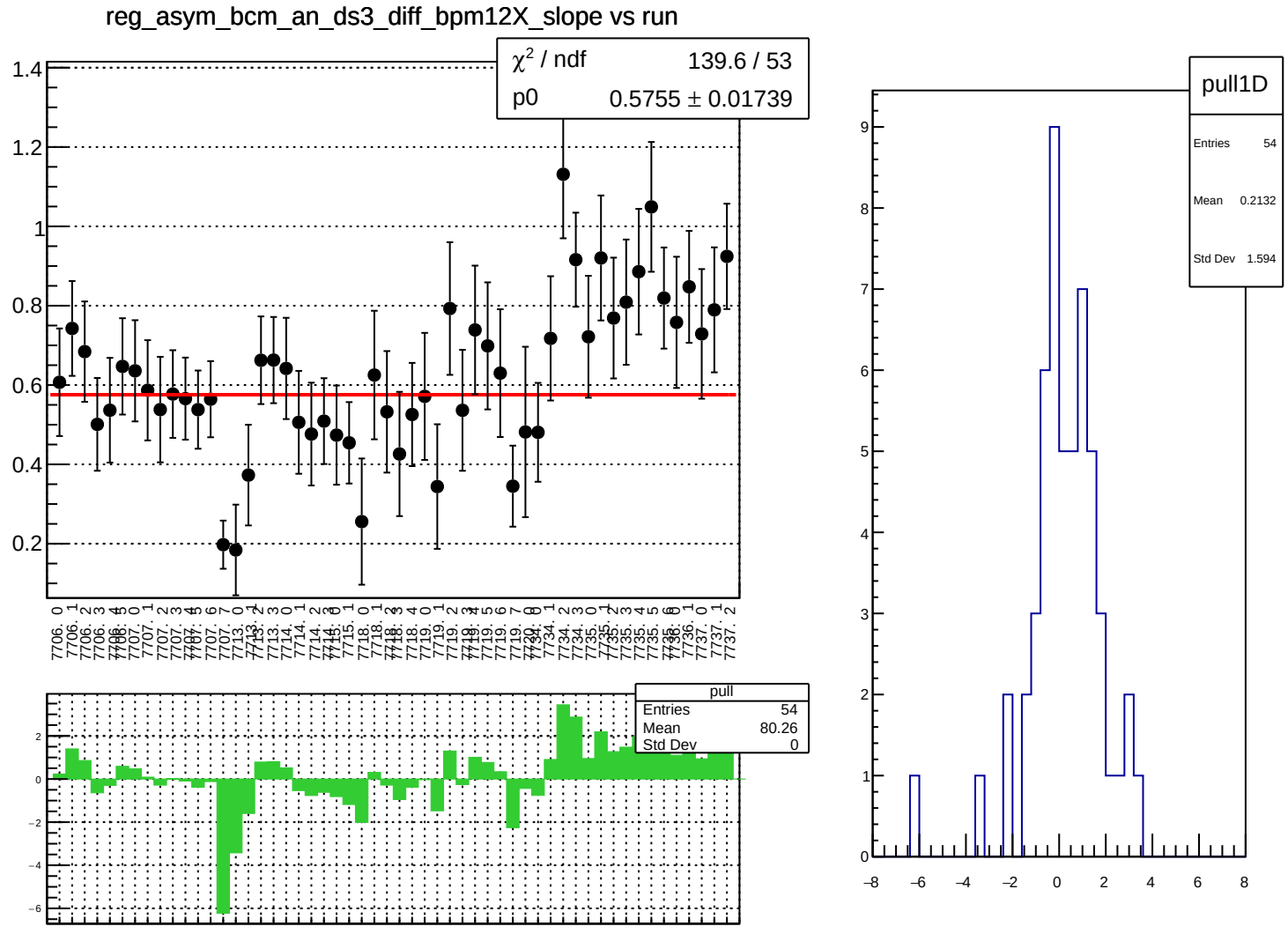

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 173.1 / 53
p0 −1.199 ± 0.2593
pull
Entries 54
Mean 12.76
Std Dev 17.22

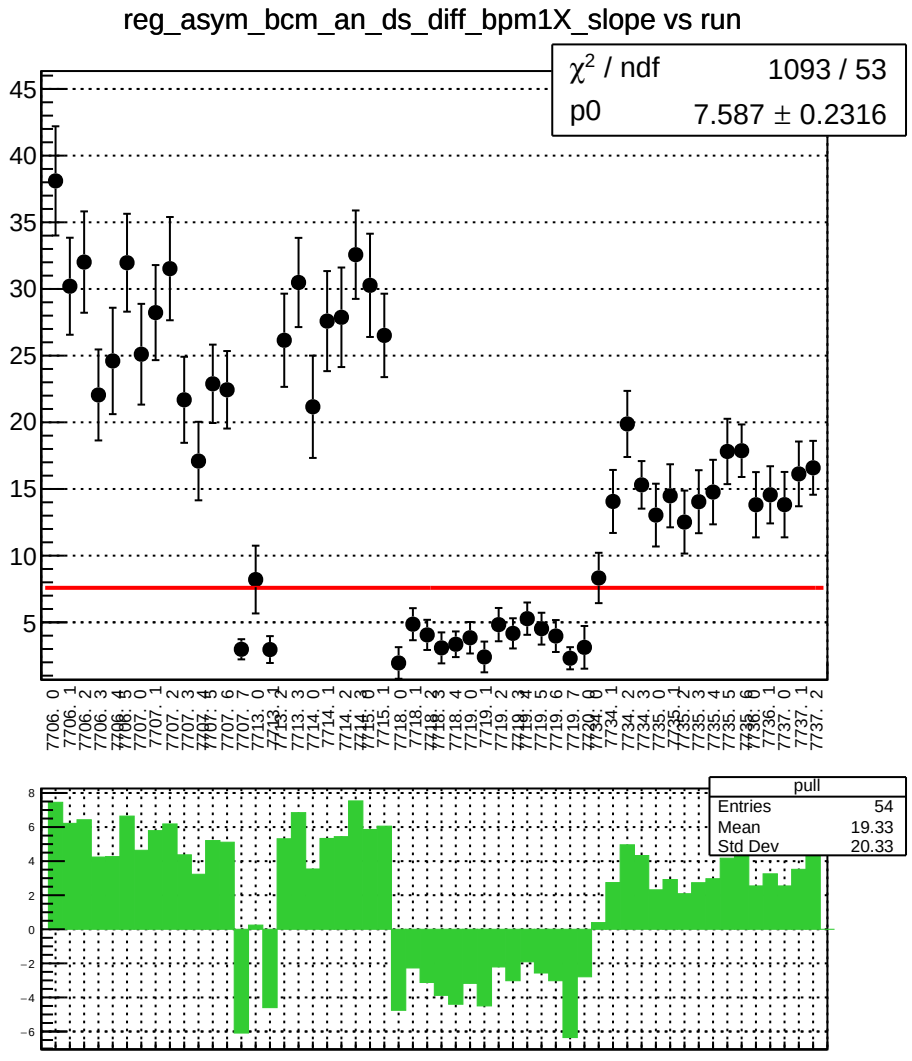

pull1D
Entries 54
Mean −0.6513
Std Dev 1.668

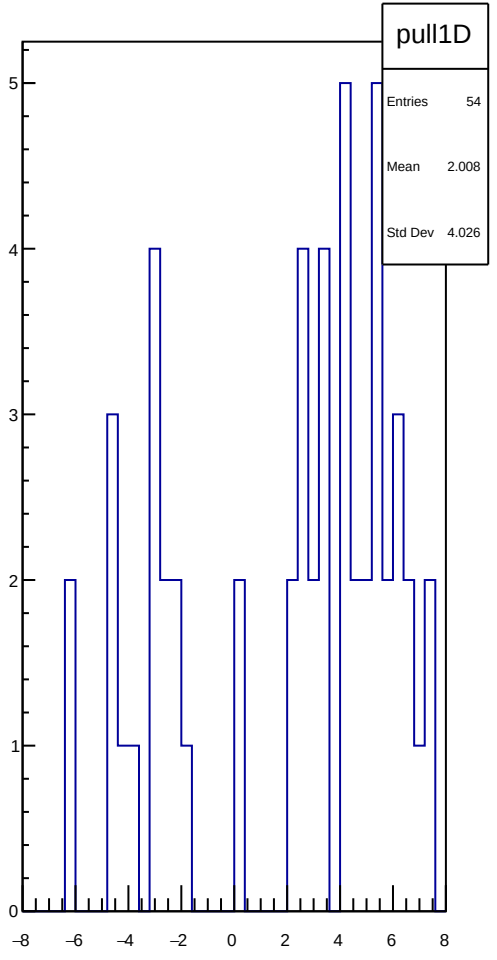

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1192 / 53
p0 −5.949 ± 0.1963
pull
Entries 54
Mean 21.62
Std Dev 20.38

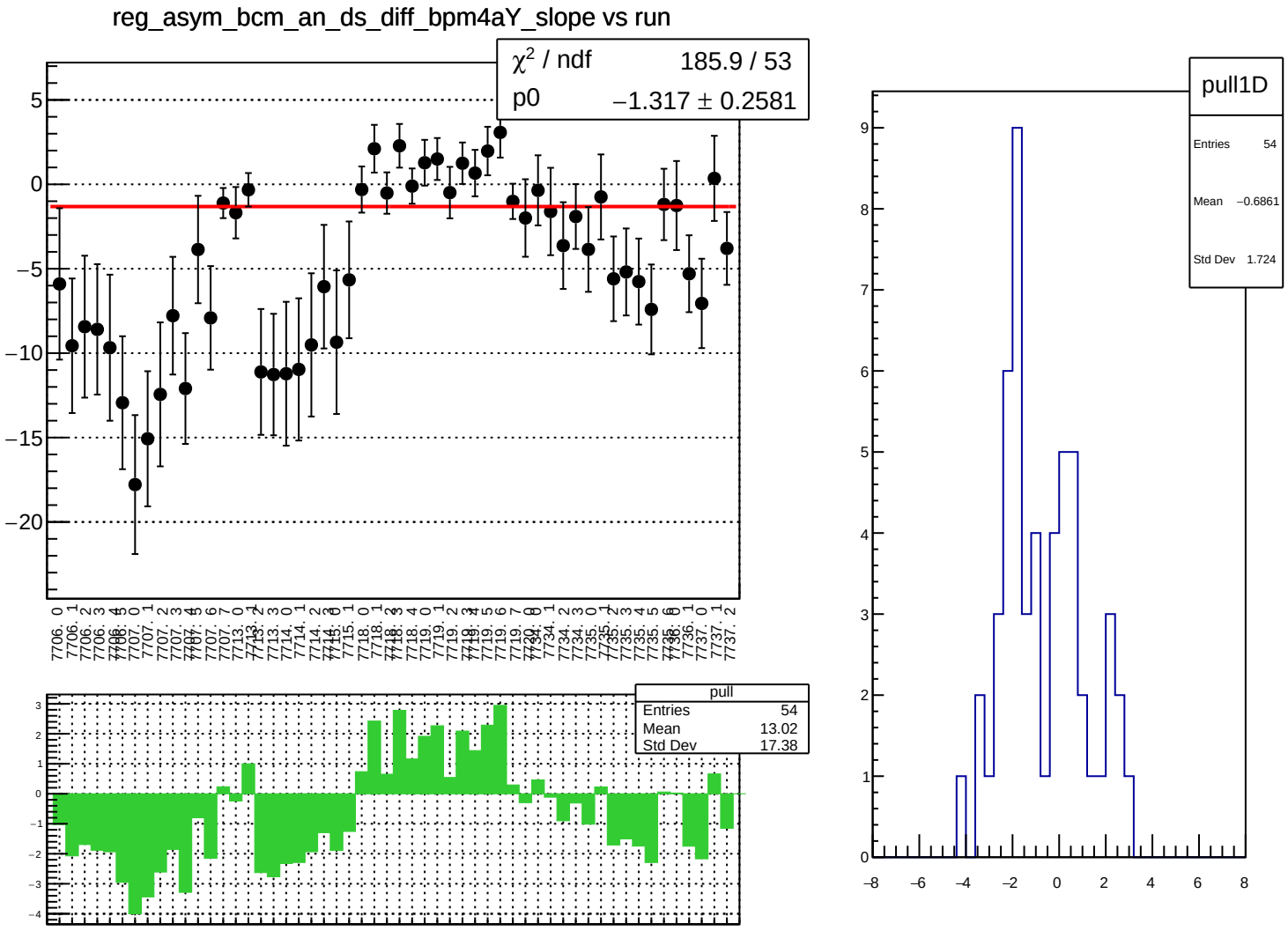

pull1D
Entries 54
Mean −2.378
Std Dev 4.053

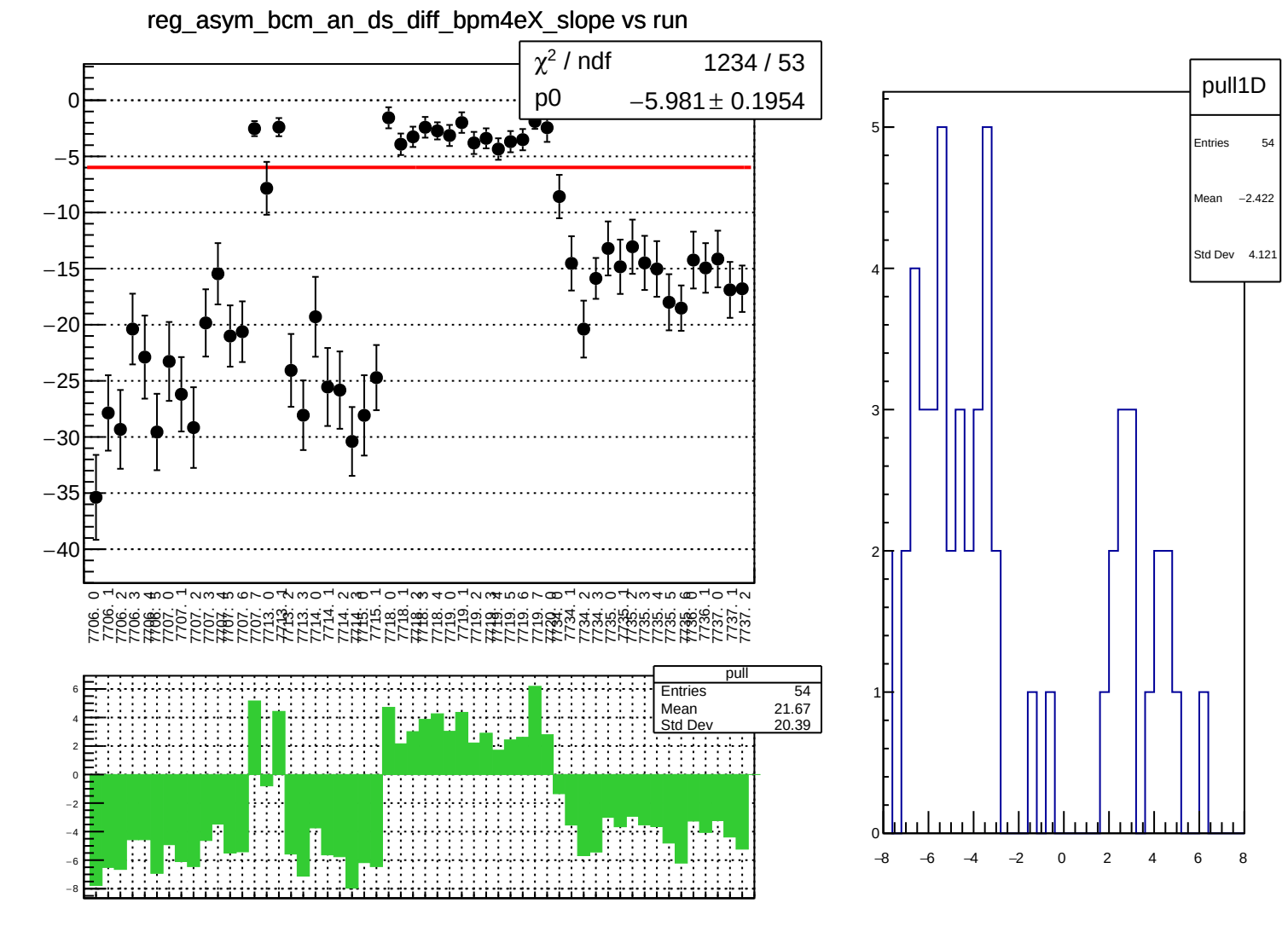

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 159.5 / 53
p0 1.56 ± 0.3904
pull
Entries 54
Mean 11.71
Std Dev 18.35
pull1D
Entries 54
Mean 0.5117
Std Dev 1.641

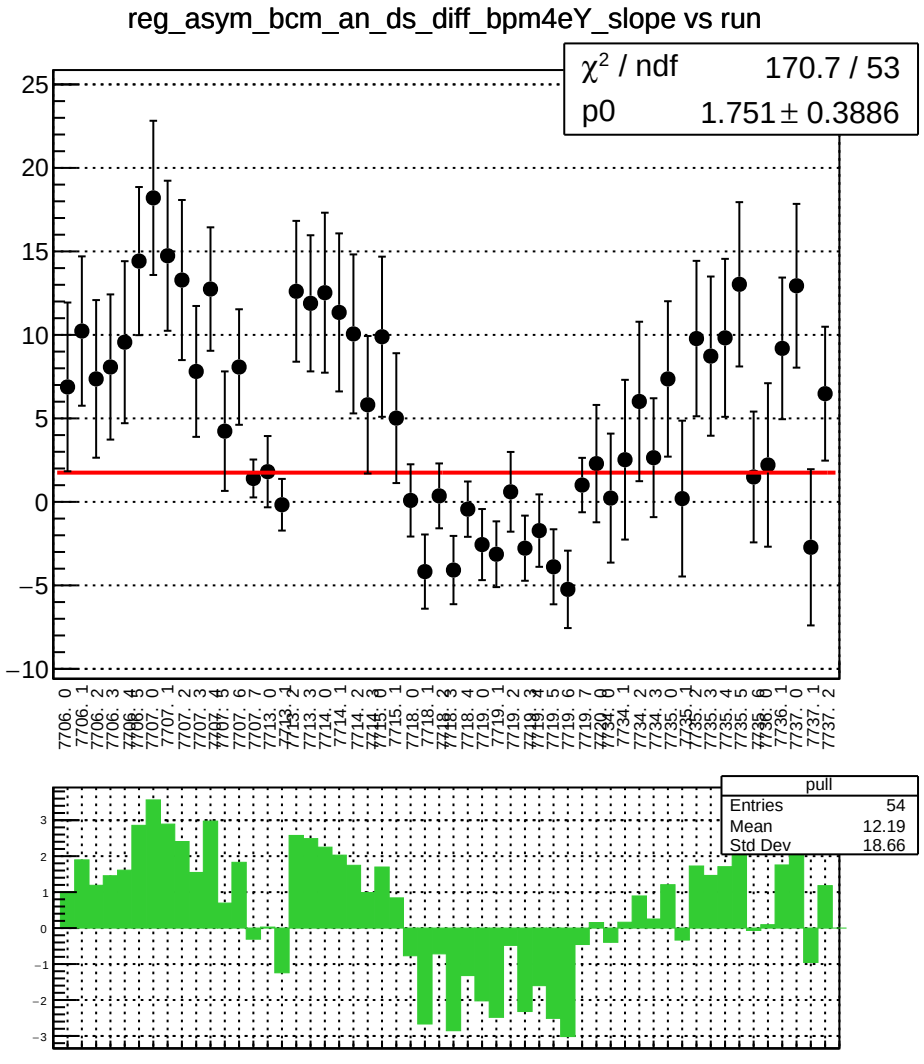

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 139.6 / 53
p0 0.5755 ± 0.01739
pull
Entries 54
Mean 80.26
Std Dev 0
pull1D
Entries 54
Mean 0.2132
Std Dev 1.594

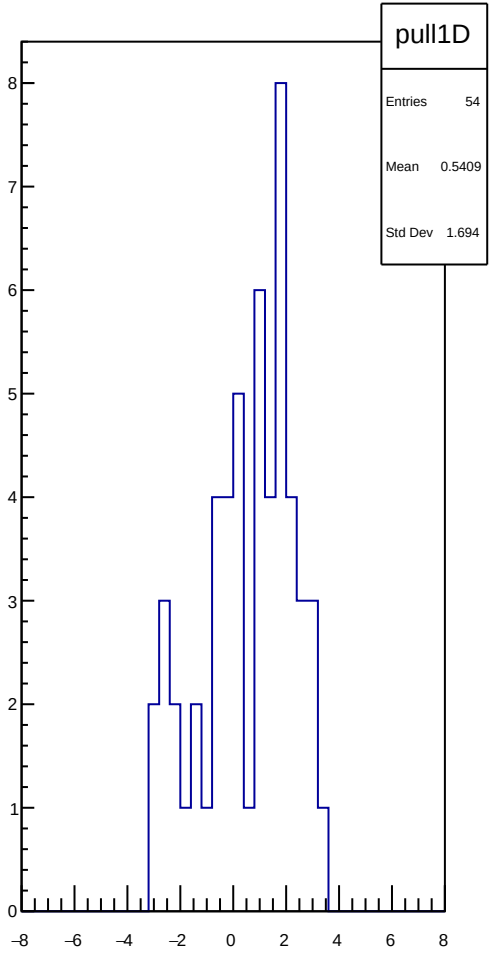

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1093 / 53
p0 7.587 ± 0.2316
pull
Entries 54
Mean 19.33
Std Dev 20.33

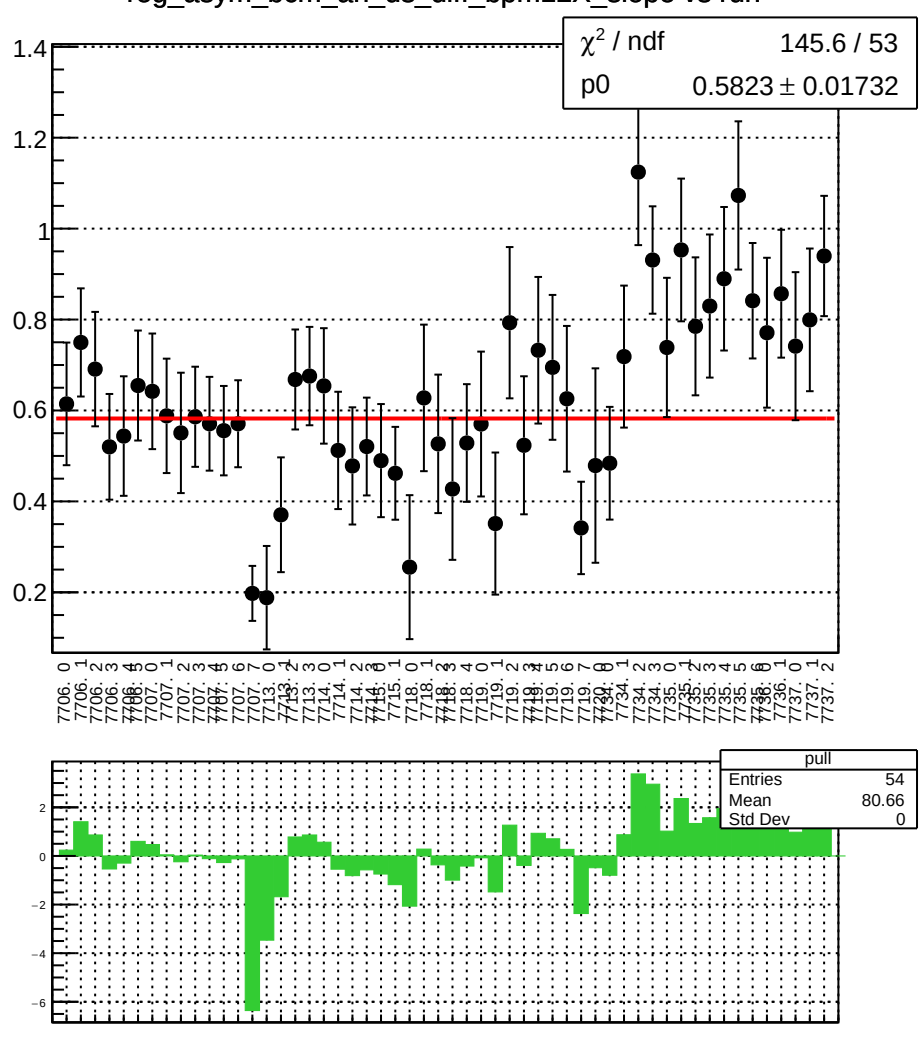

pull1D
Entries 54
Mean 2.008
Std Dev 4.026

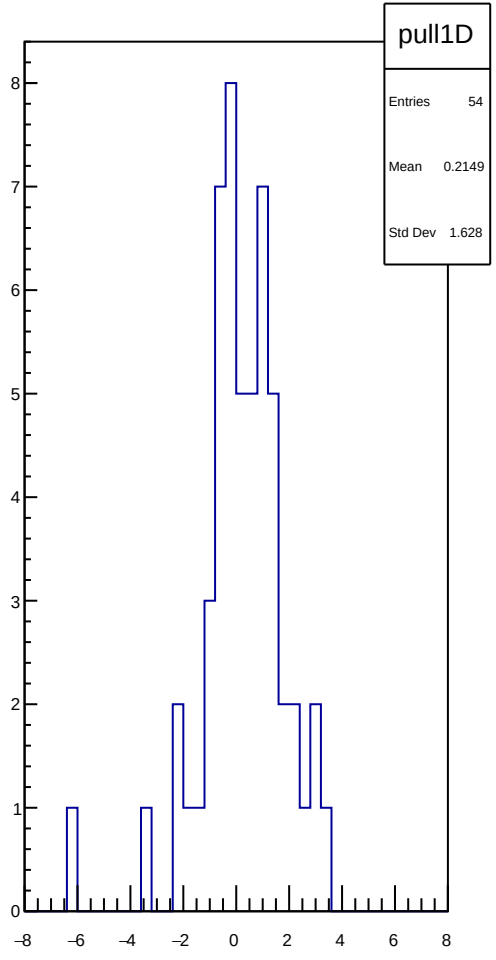

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 185.9 / 53
p0 −1.317 ± 0.2581
pull
Entries 54
Mean 13.02
Std Dev 17.38
pull1D
Entries 54
Mean −0.6861
Std Dev 1.724


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1234 / 53
p0 −5.981 ± 0.1954
pull
Entries 54
Mean 21.67
Std Dev 20.39
pull1D
Entries 54
Mean −2.422
Std Dev 4.121

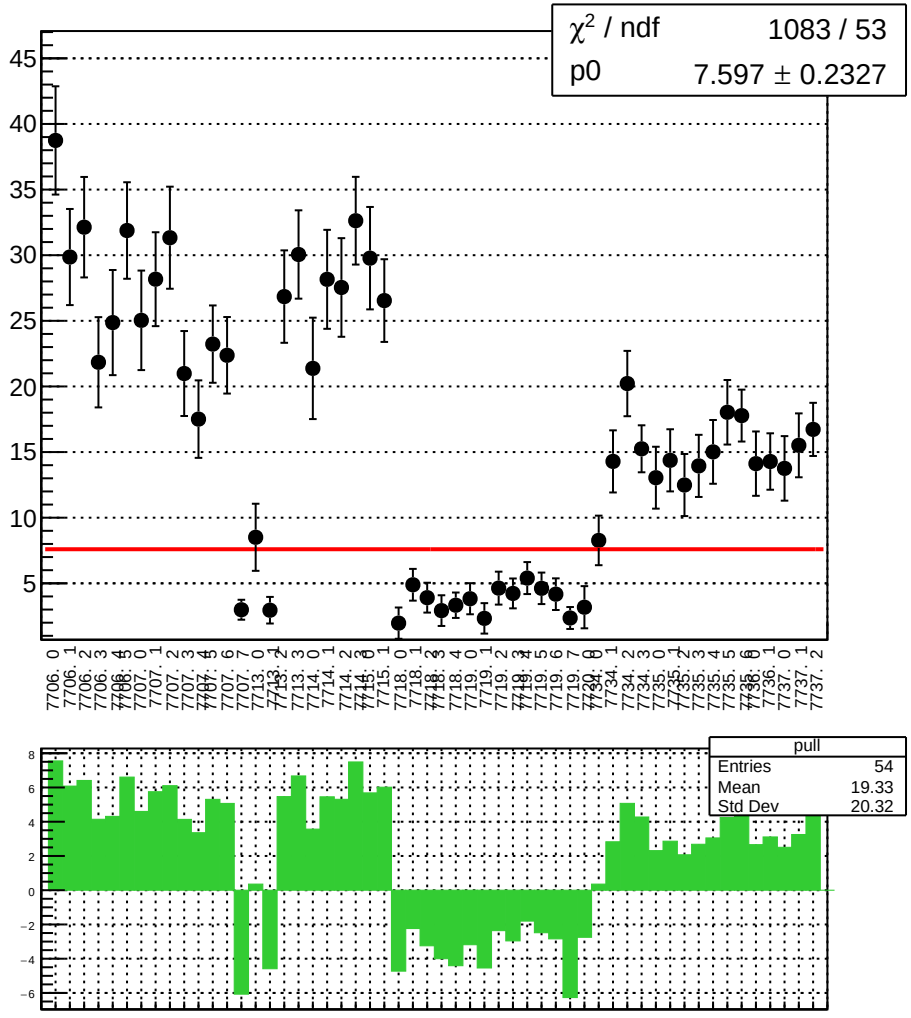

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 170.7 / 53
p0 1.751 ± 0.3886
pull
Entries 54
Mean 12.19
Std Dev 18.66

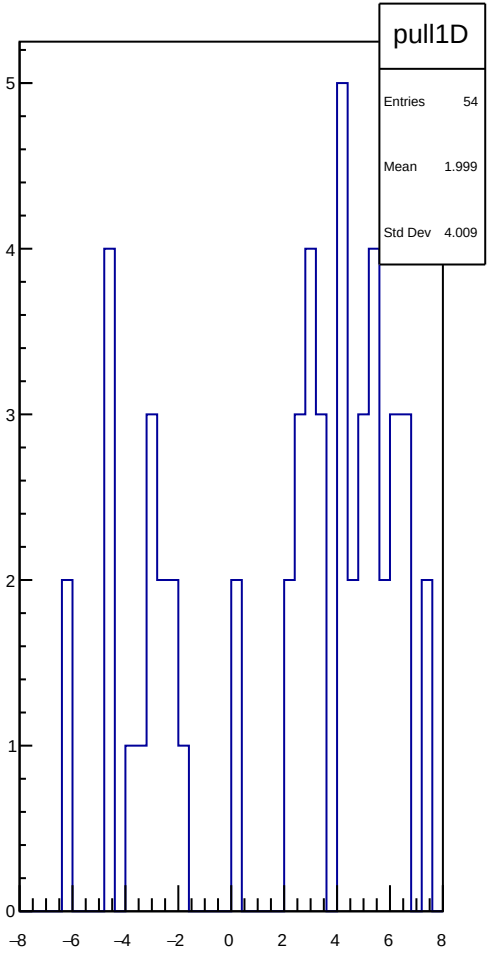

pull1D
Entries 54
Mean 0.5409
Std Dev 1.694

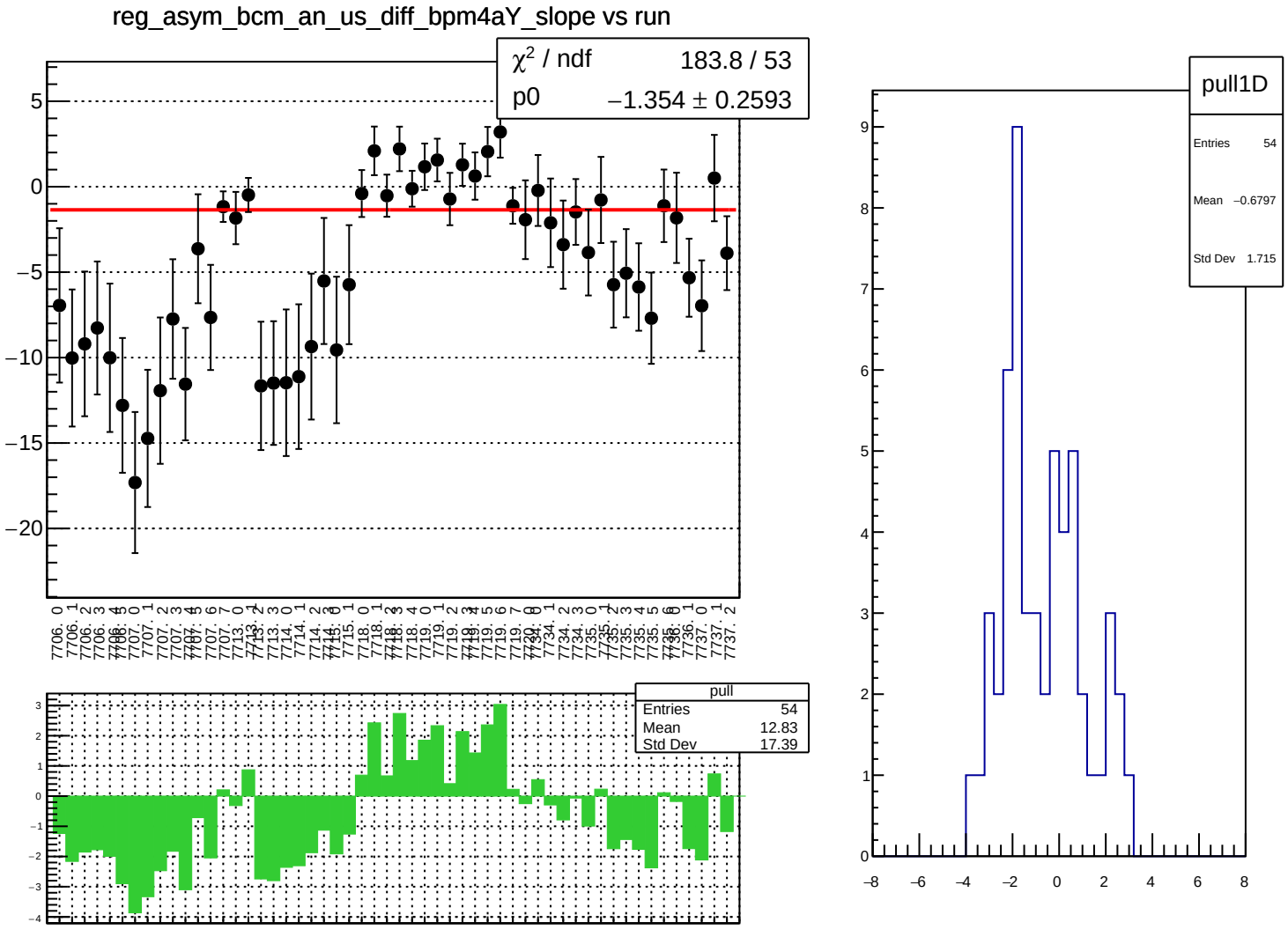

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 145.6 / 53
p0 0.5823 ± 0.01732
pull
Entries 54
Mean 80.66
Std Dev 0

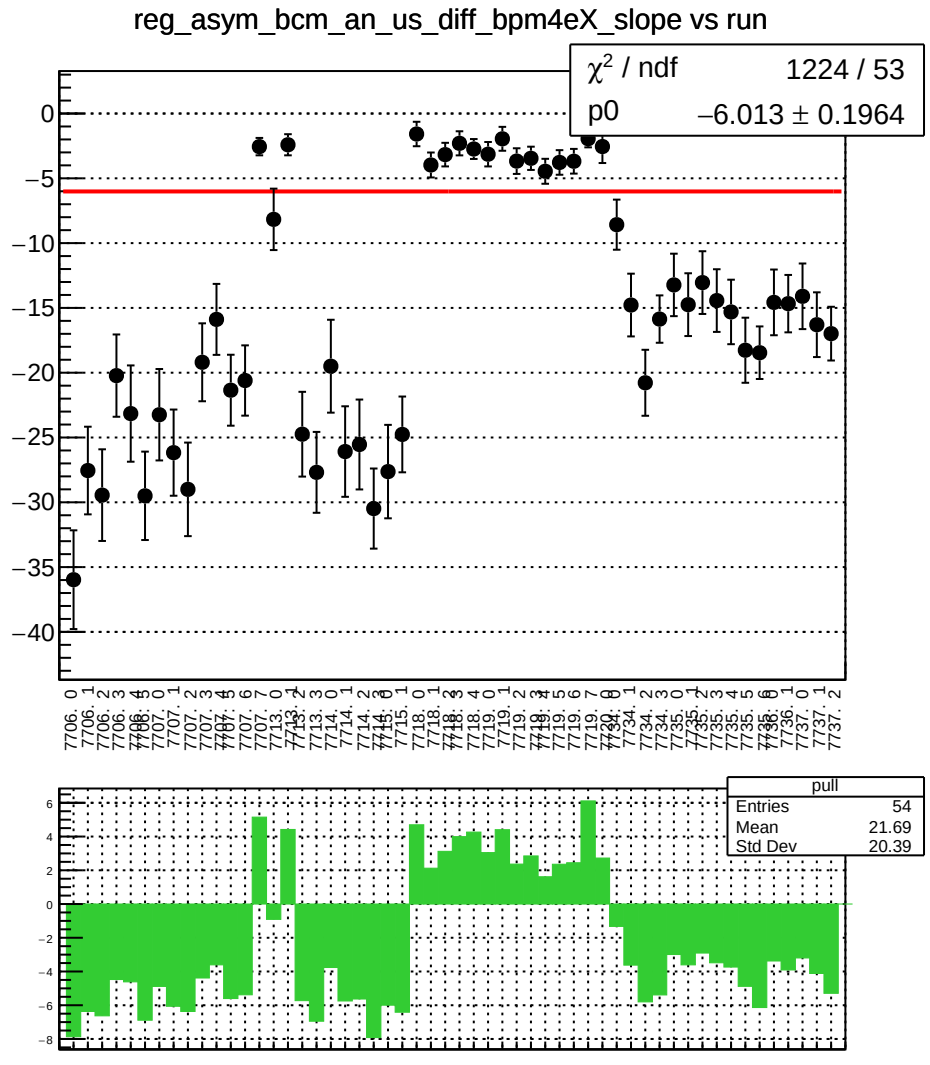

pull1D
Entries 54
Mean 0.2149
Std Dev 1.628

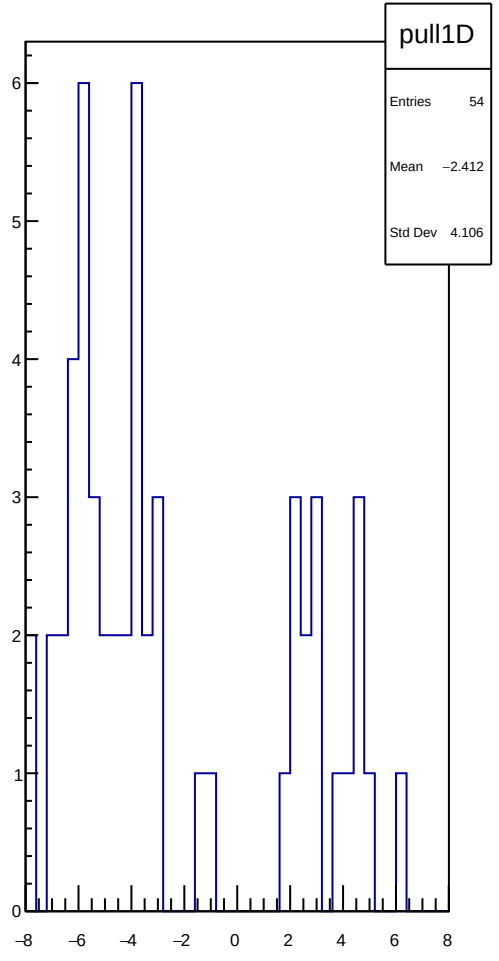
reg_asym_bcm_an_us_diff_bpm1X_slope vs run

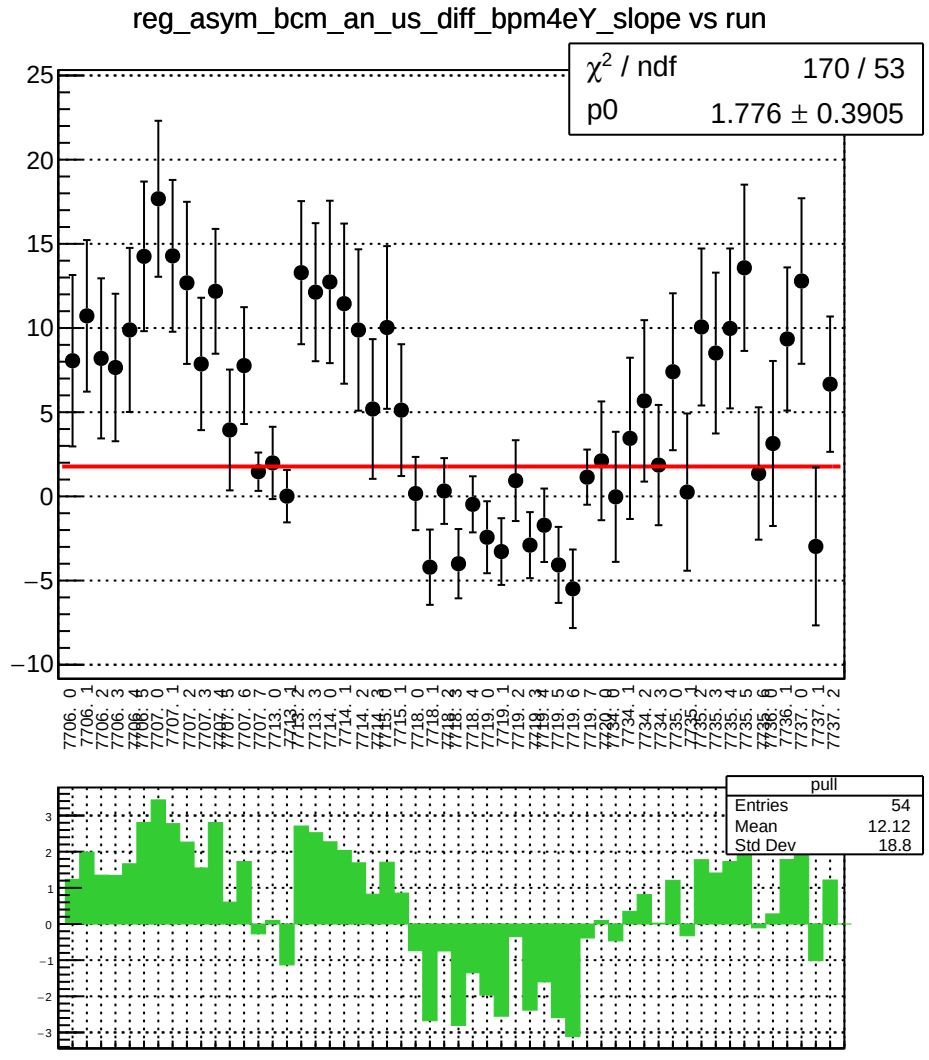


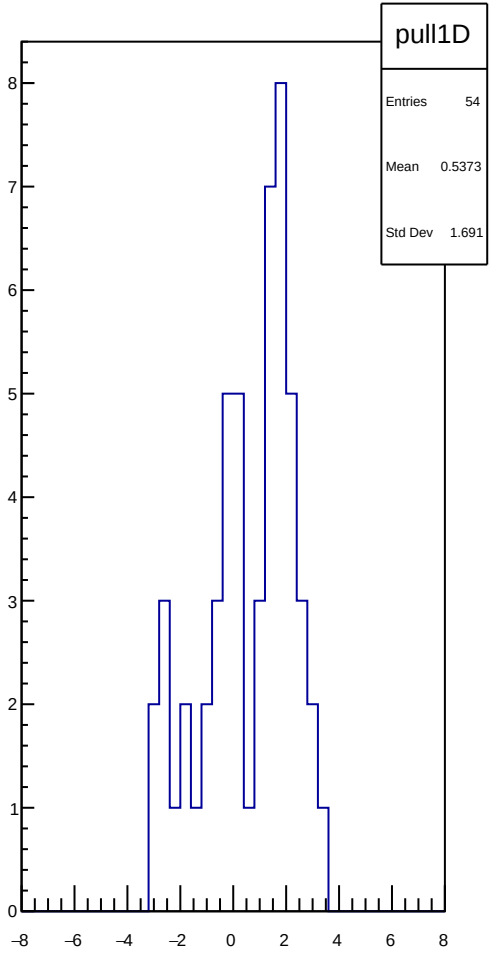


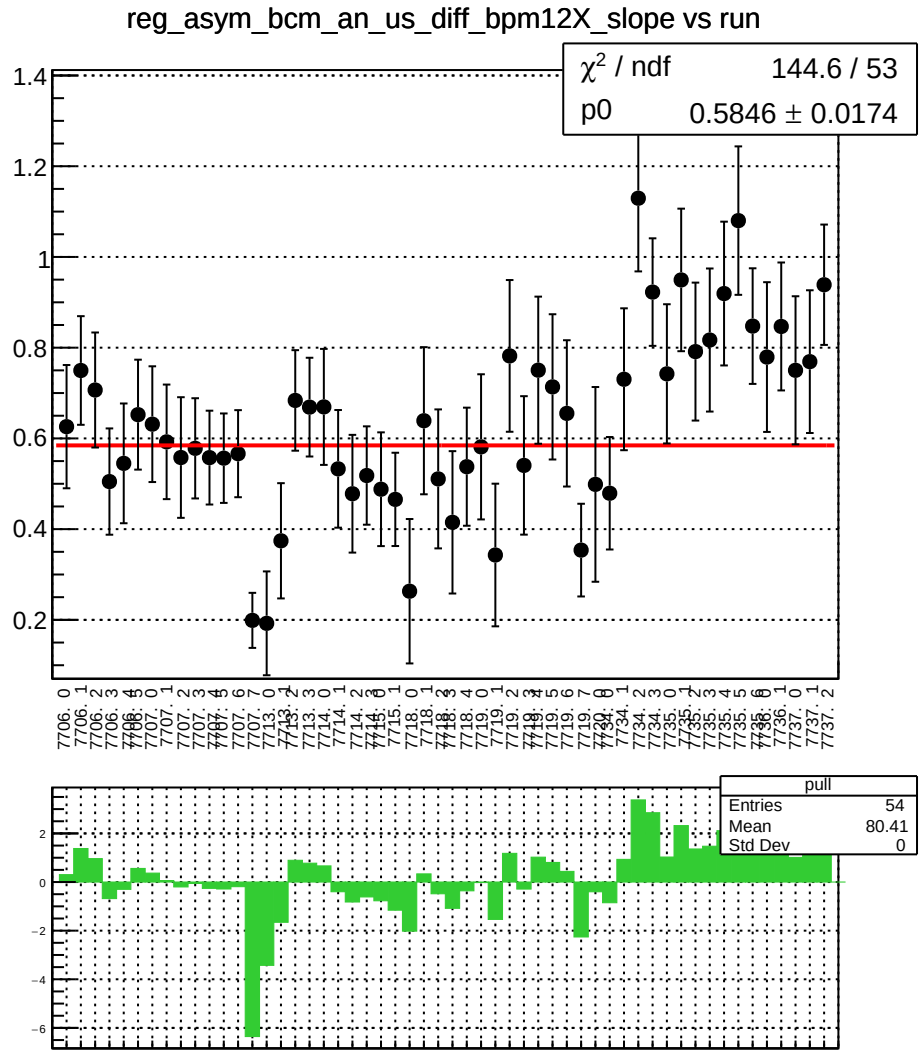

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 183.8 / 53
p0 −1.354 ± 0.2593
pull
Entries 54
Mean 12.83
Std Dev 17.39
pull1D
Entries 54
Mean −0.6797
Std Dev 1.715

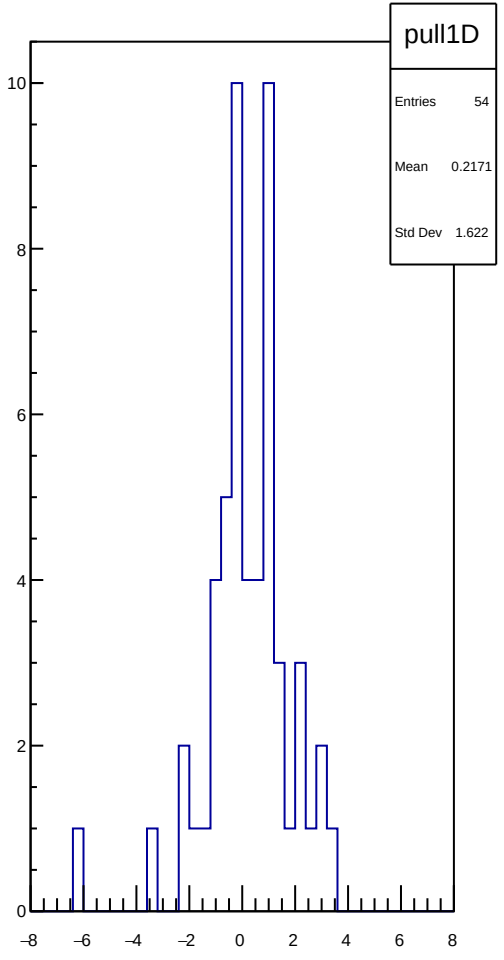

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1224 / 53
p0 −6.013 ± 0.1964
pull
Entries 54
Mean 21.69
Std Dev 20.39

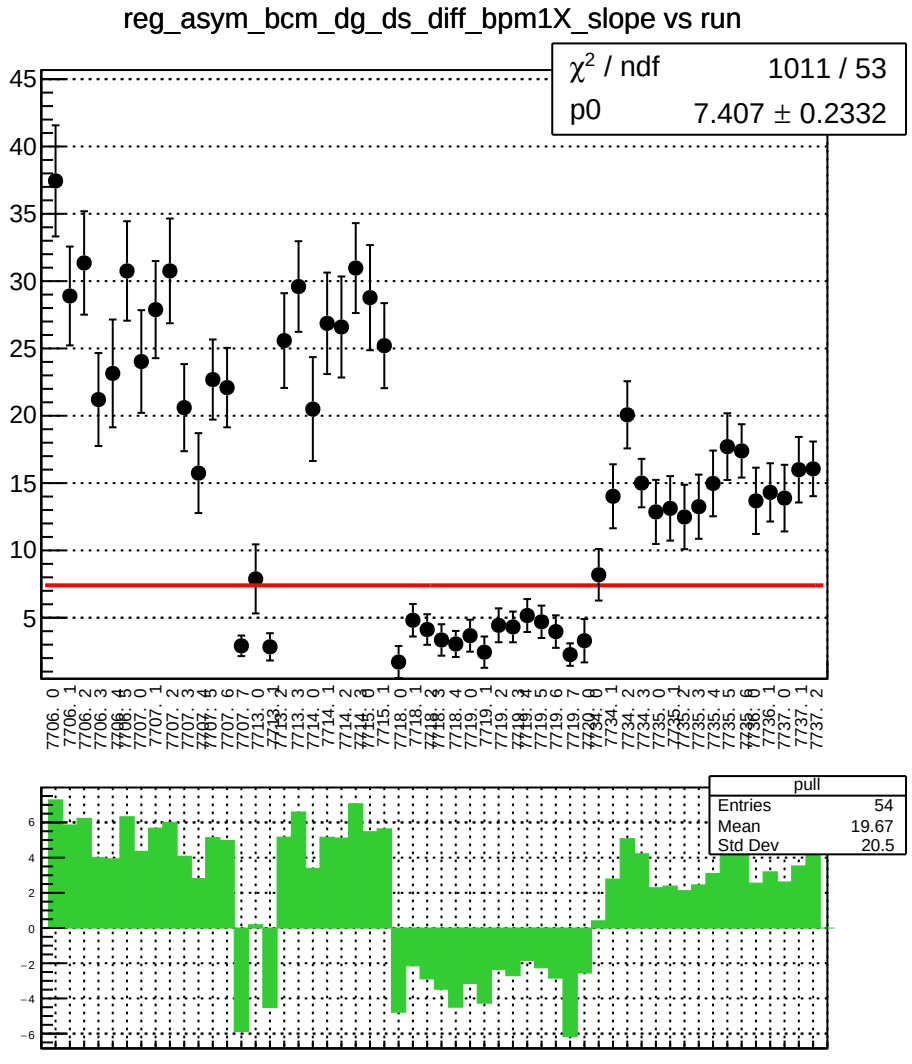

pull1D
Entries 54
Mean −2.412
Std Dev 4.106

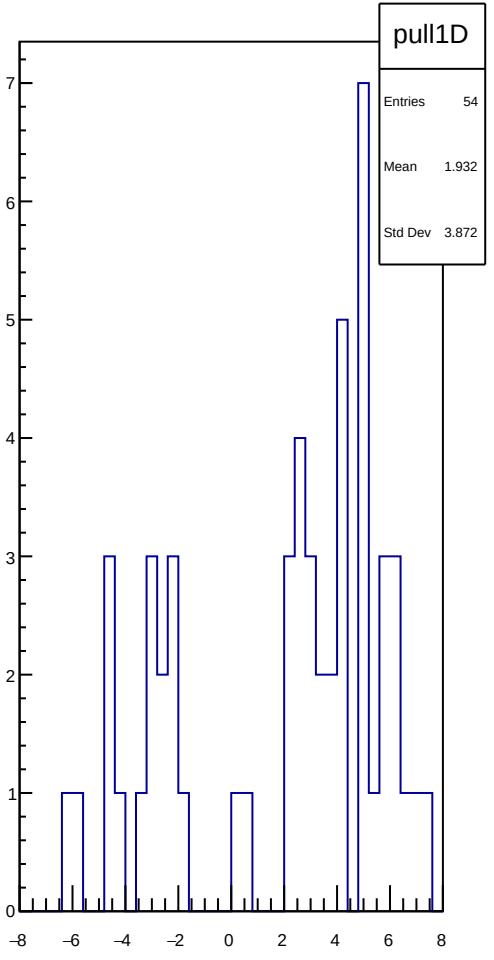

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 170 / 53
p0 1.776 ± 0.3905
pull
Entries 54
Mean 12.12
Std Dev 18.8

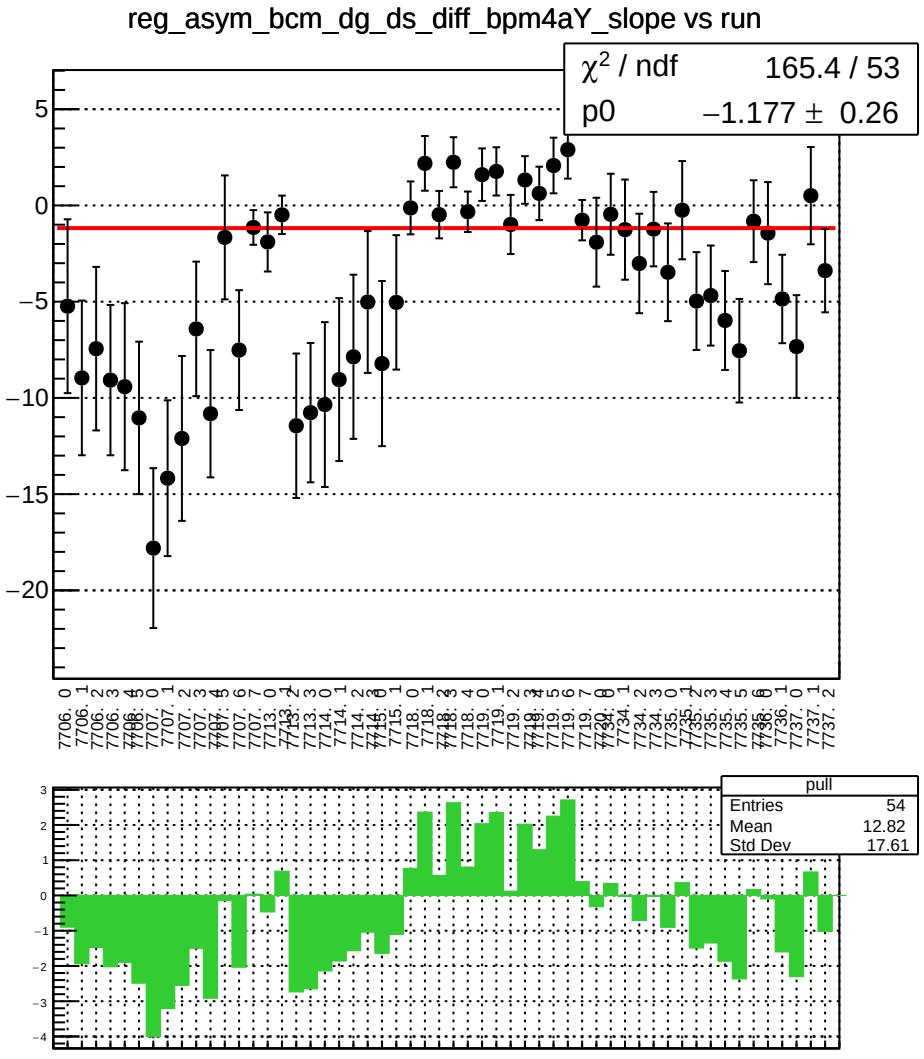

pull1D
Entries 54
Mean 0.5373
Std Dev 1.691

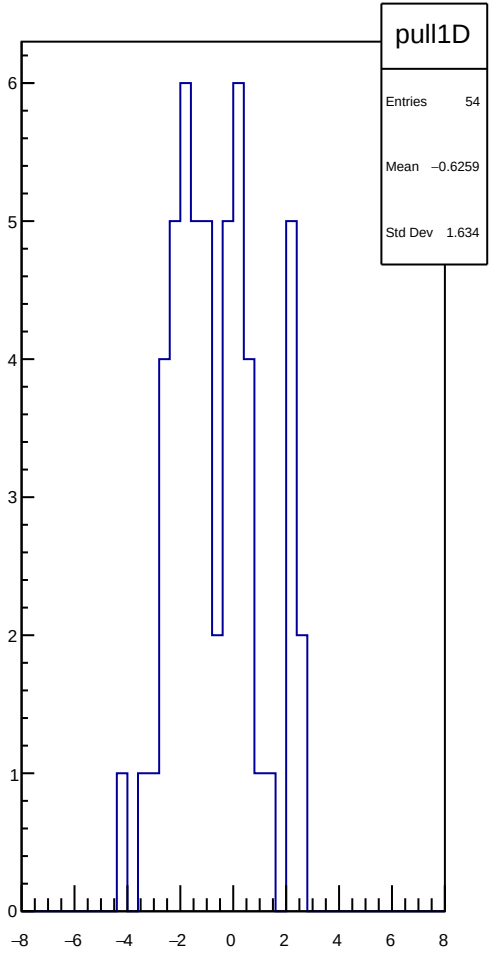

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 144.6 / 53
p0 0.5846 ± 0.0174
pull
Entries 54
Mean 80.41
Std Dev 0

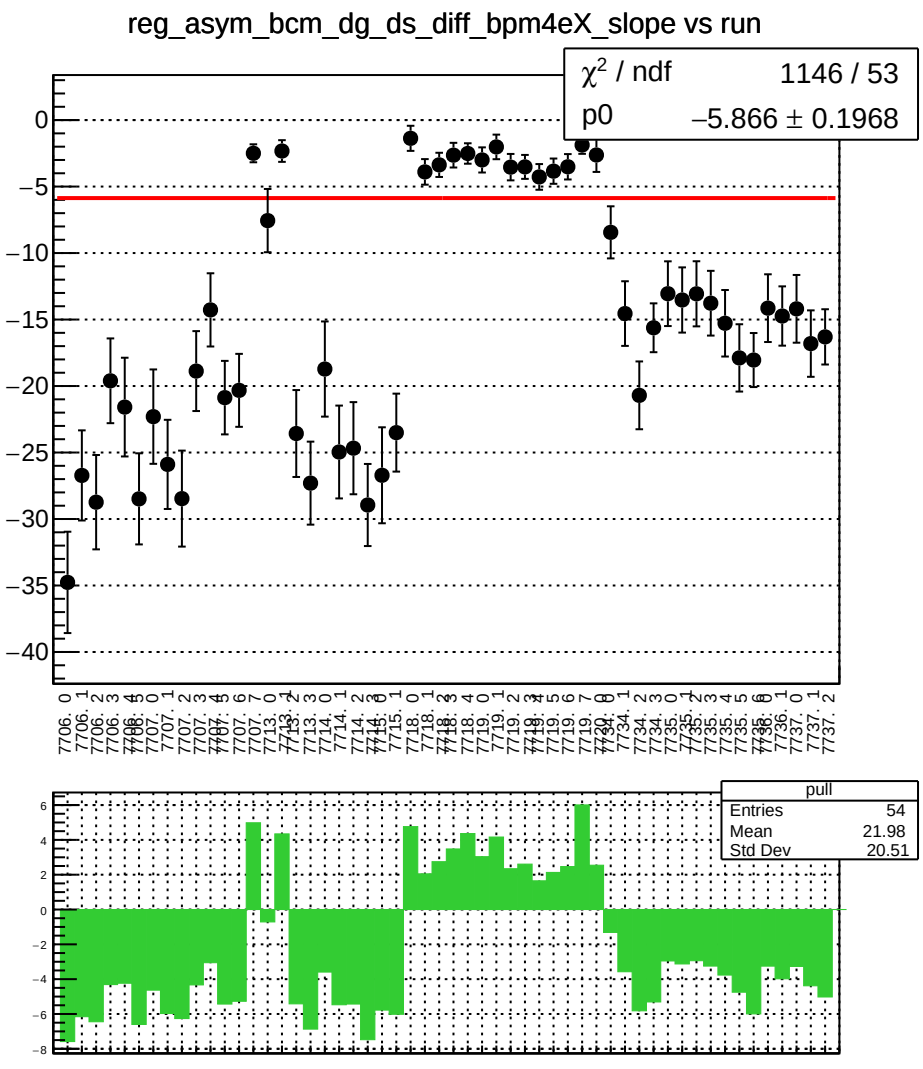

pull1D
Entries 54
Mean 0.2171
Std Dev 1.622

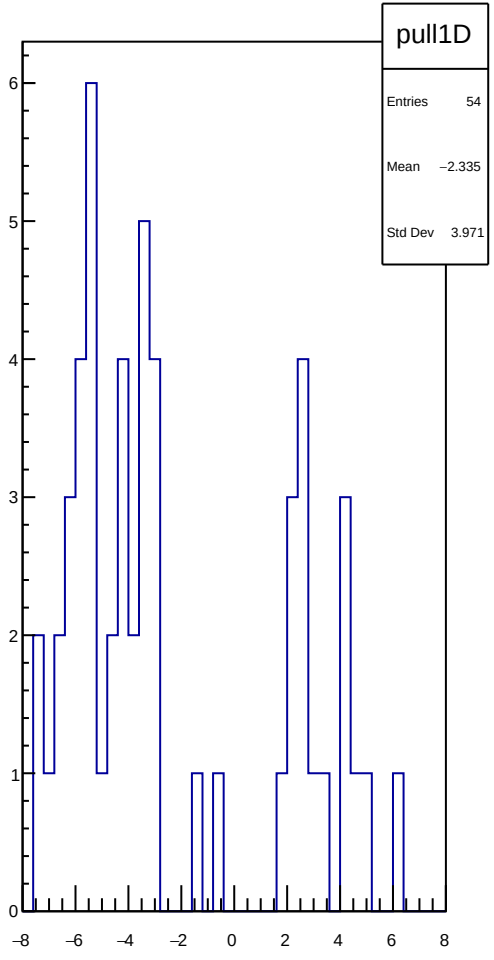

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1011 / 53
p0 7.407 ± 0.2332
pull
Entries 54
Mean 19.67
Std Dev 20.5

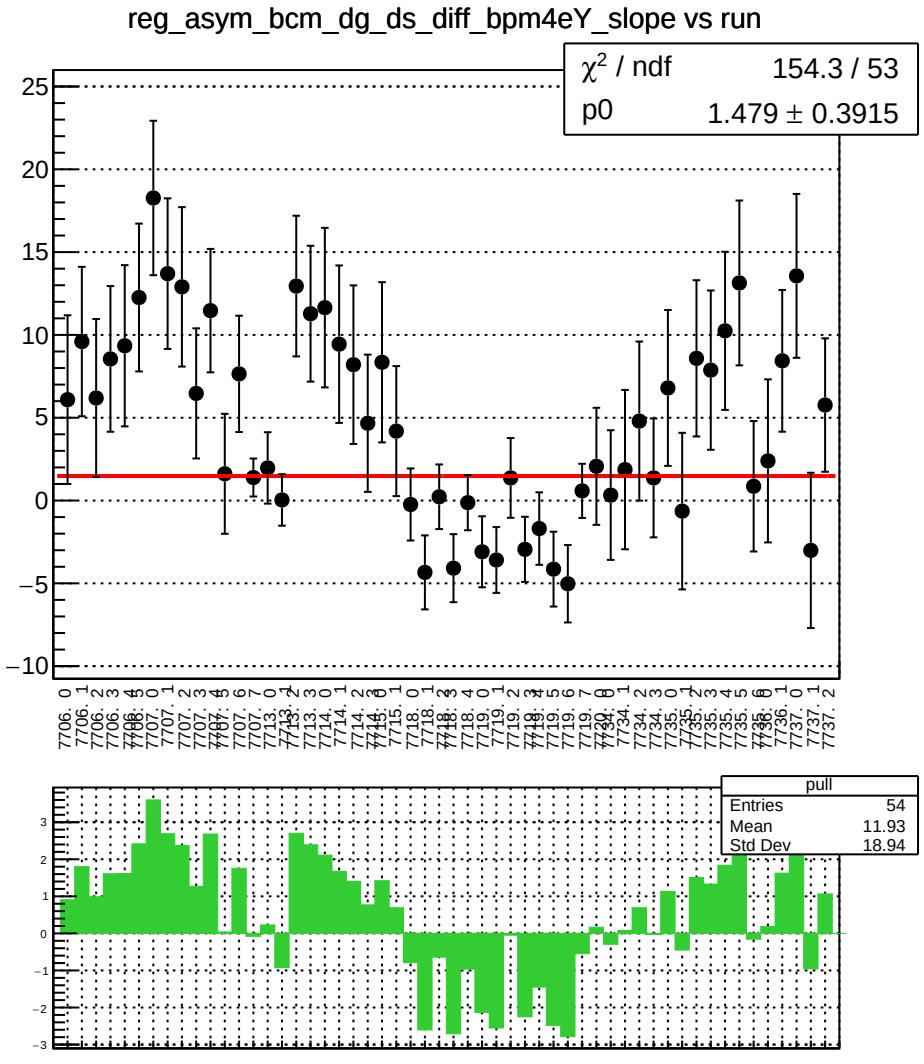

pull1D
Entries 54
Mean 1.932
Std Dev 3.872

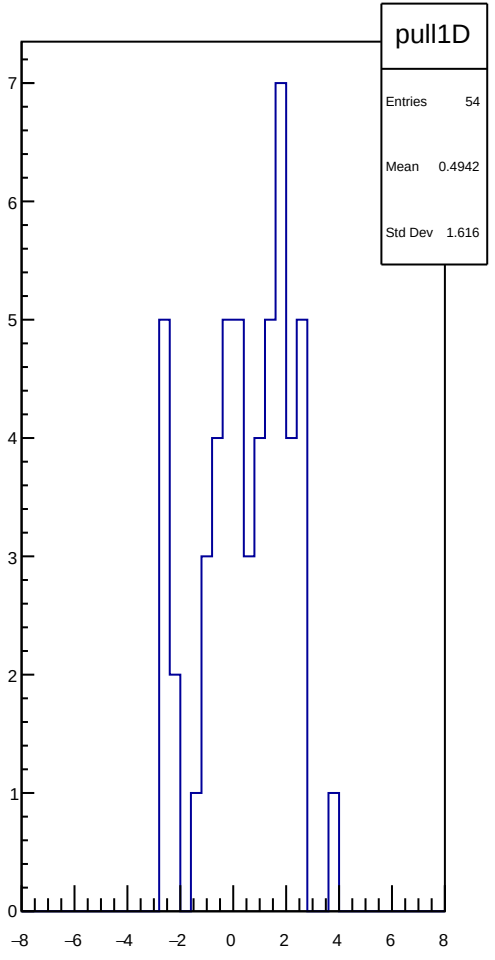

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 165.4 / 53
p0 −1.177 ± 0.26
pull
Entries 54
Mean 12.82
Std Dev 17.61

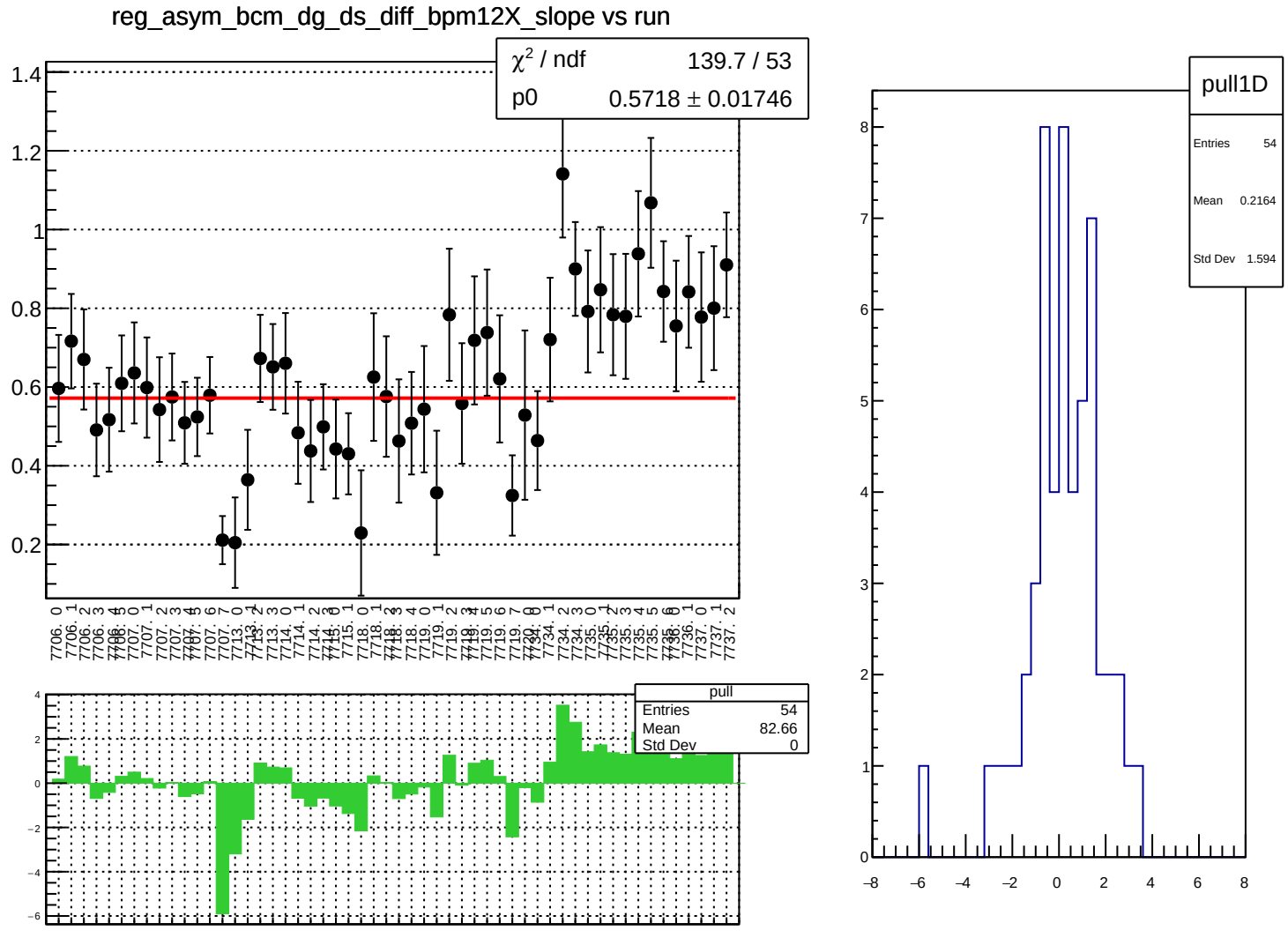

pull1D
Entries 54
Mean −0.6259
Std Dev 1.634

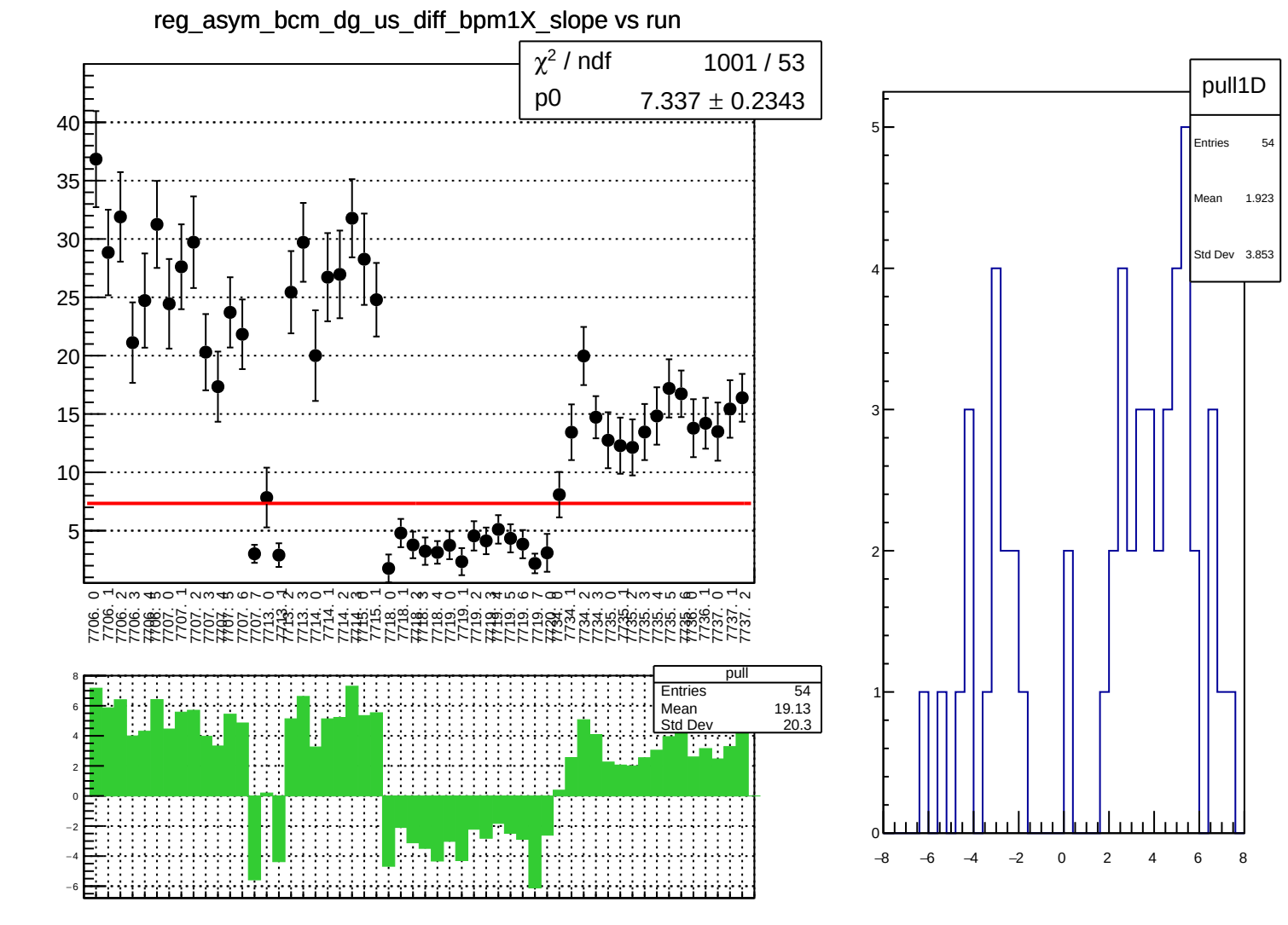

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1146 / 53
p0 −5.866 ± 0.1968
pull
Entries 54
Mean 21.98
Std Dev 20.51

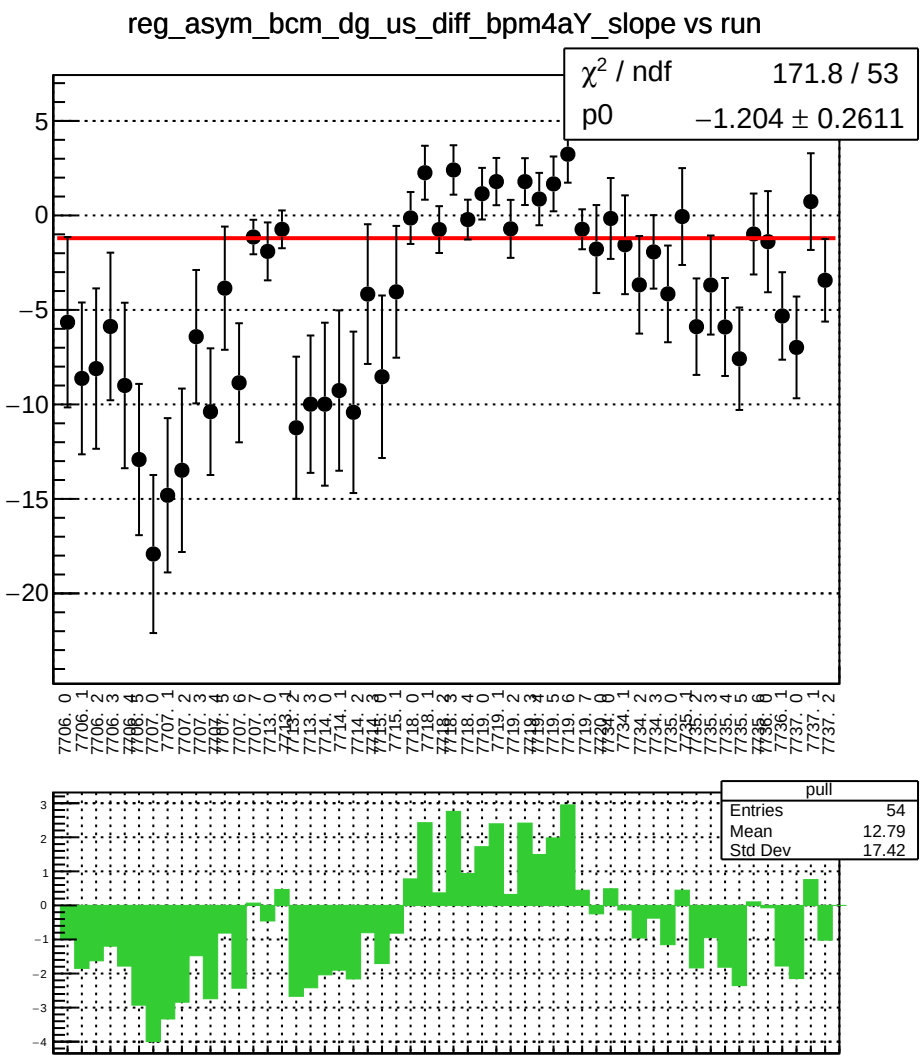

pull1D
Entries 54
Mean −2.335
Std Dev 3.971

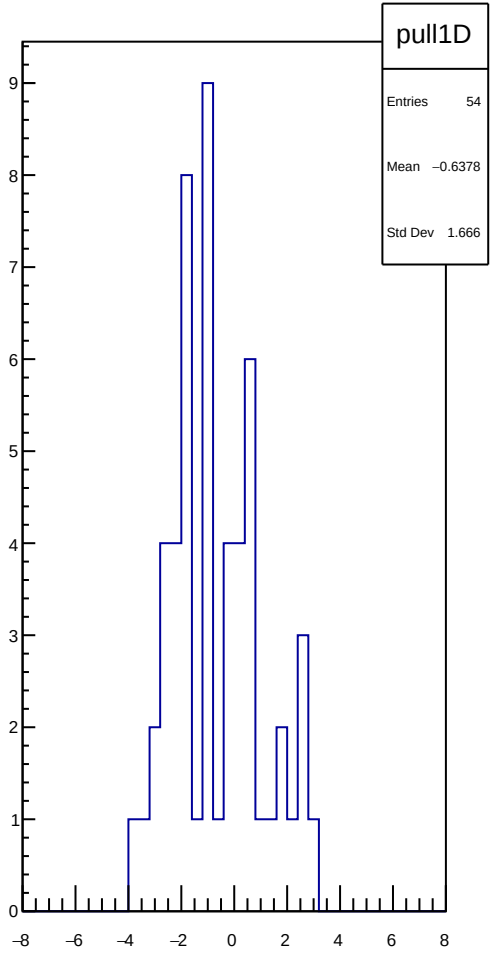

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.3 / 53
p0 1.479 ± 0.3915
pull
Entries 54
Mean 11.93
Std Dev 18.94

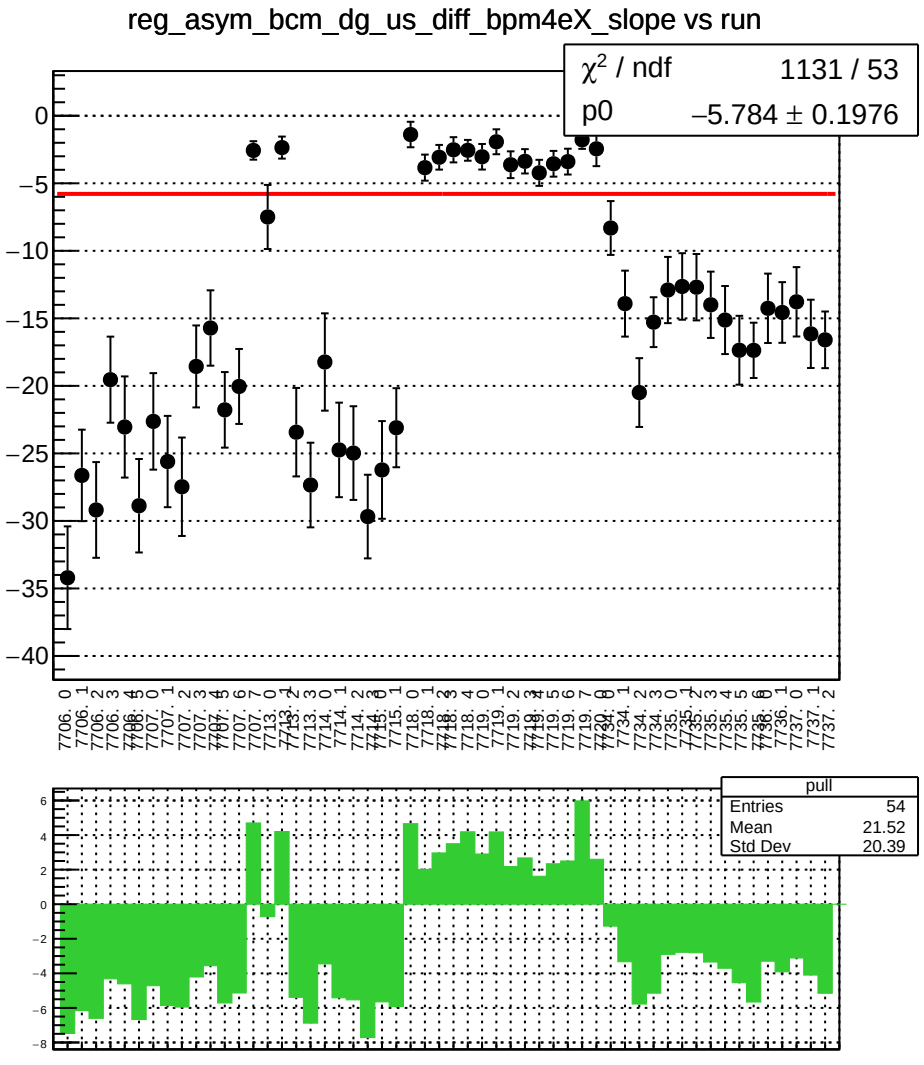

pull1D
Entries 54
Mean 0.4942
Std Dev 1.616

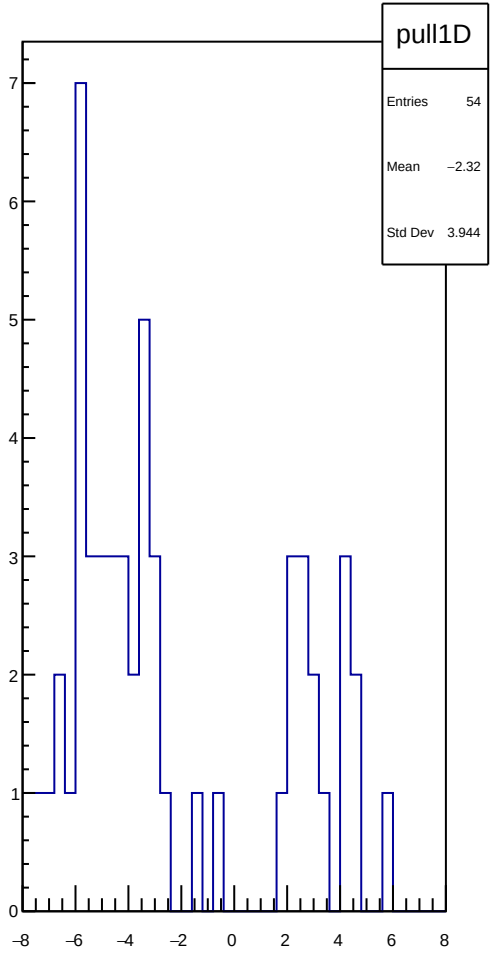

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 139.7 / 53
p0 0.5718 ± 0.01746
pull
Entries 54
Mean 82.66
Std Dev 0
pull1D
Entries 54
Mean 0.2164
Std Dev 1.594

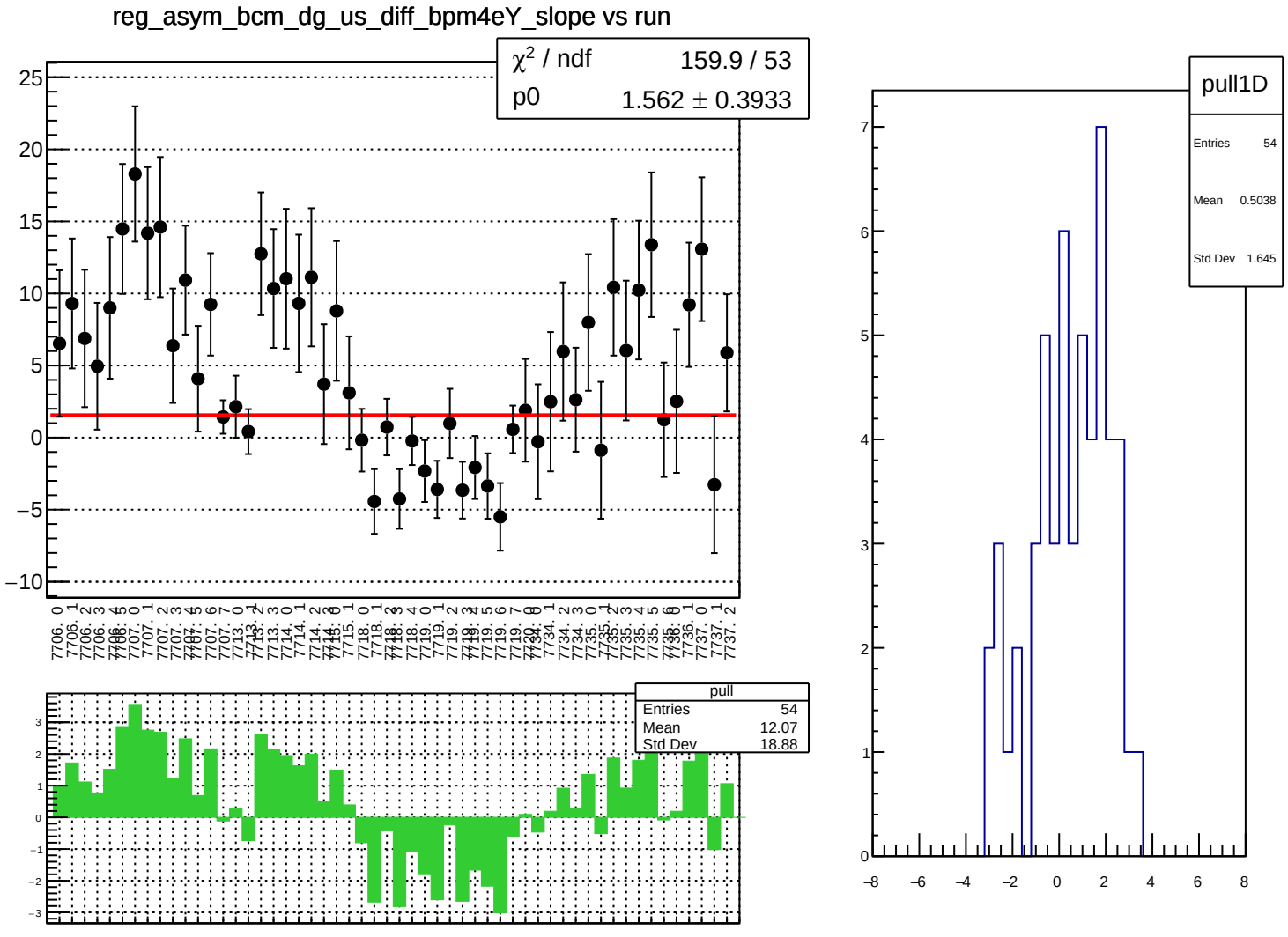

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1001 / 53
p0 7.337 ± 0.2343
pull
Entries 54
Mean 19.13
Std Dev 20.3
pull1D
Entries 54
Mean 1.923
Std Dev 3.853

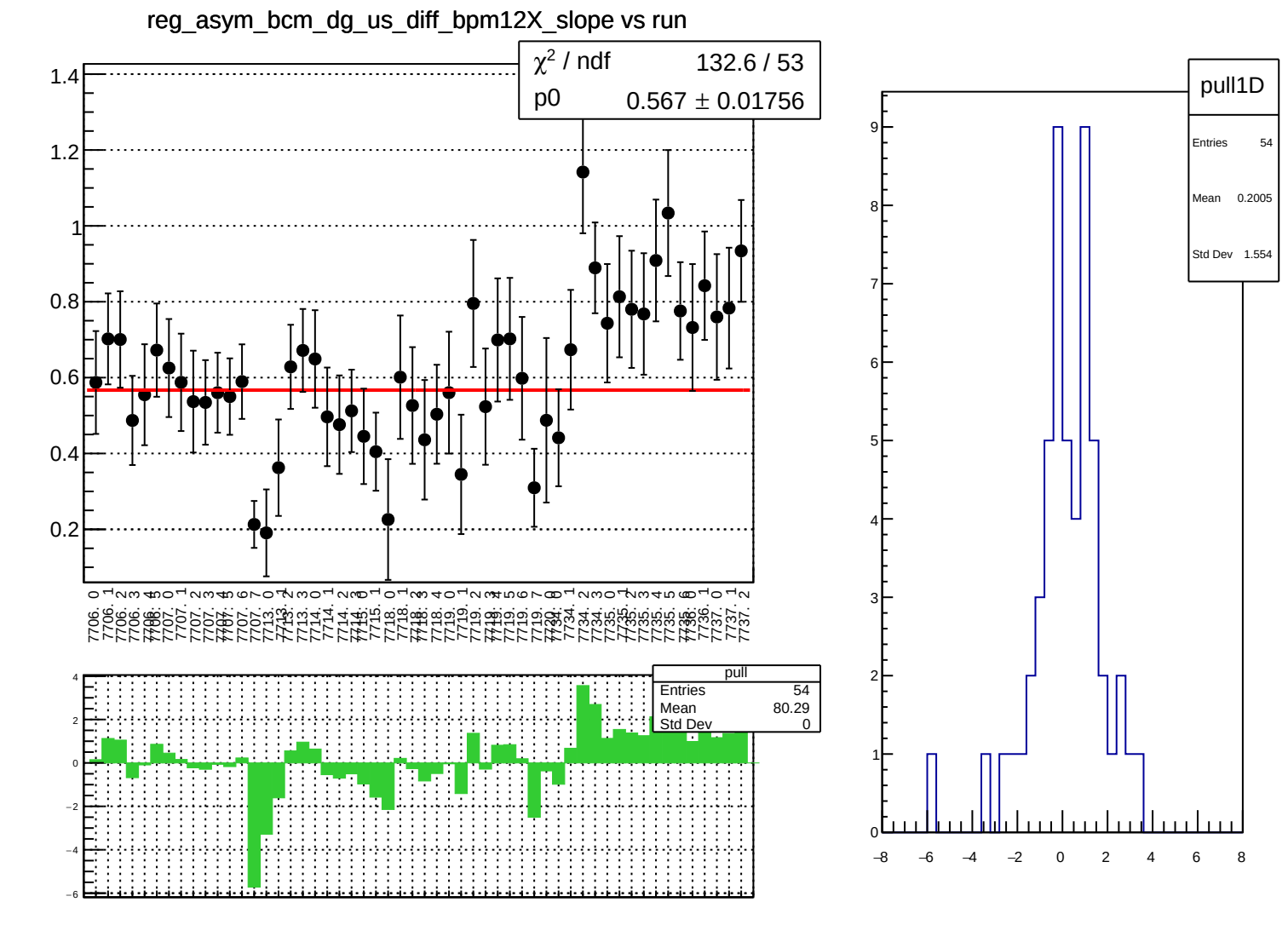

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 171.8 / 53
p0 −1.204 ± 0.2611
pull
Entries 54
Mean 12.79
Std Dev 17.42

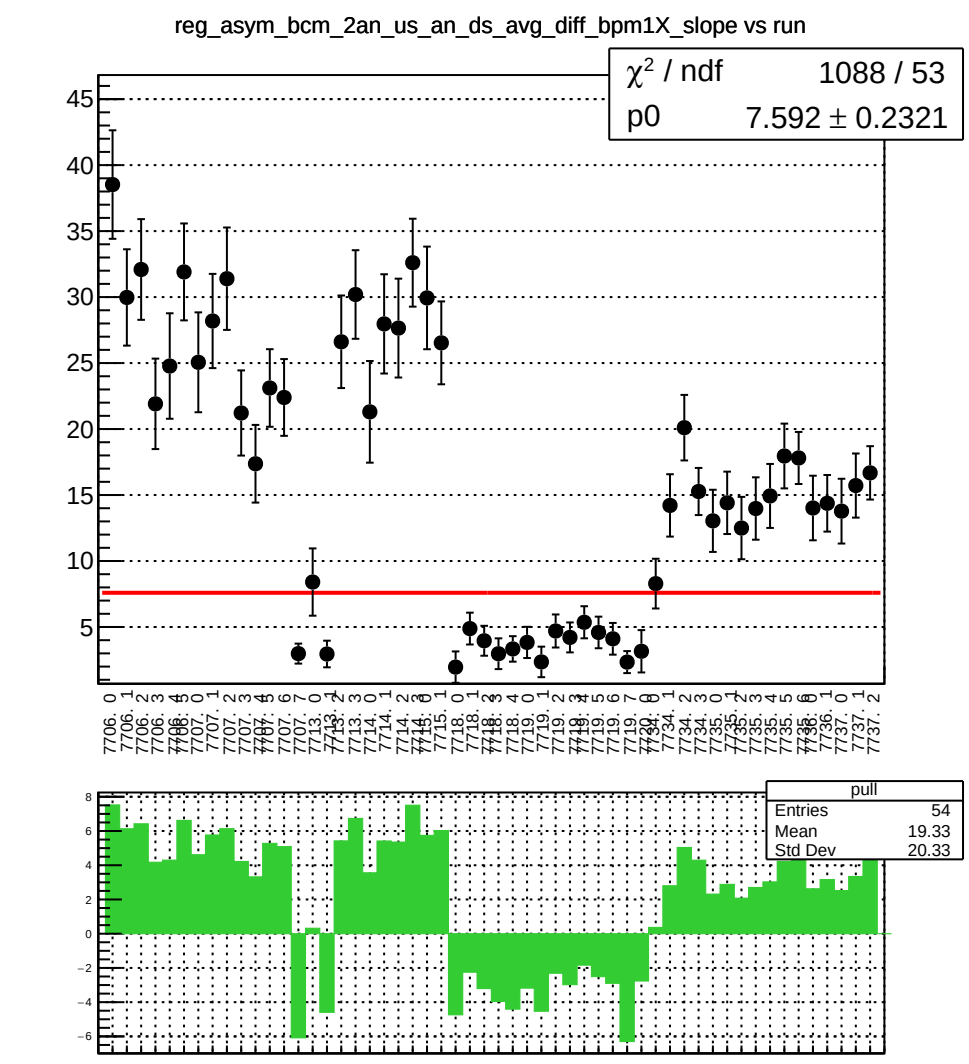

pull1D
Entries 54
Mean −0.6378
Std Dev 1.666

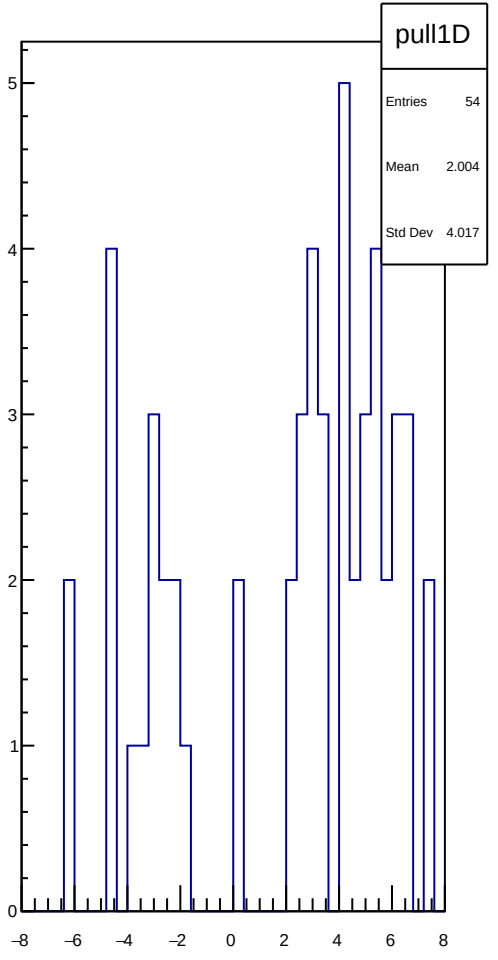

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1131 / 53
p0 −5.784 ± 0.1976
pull
Entries 54
Mean 21.52
Std Dev 20.39

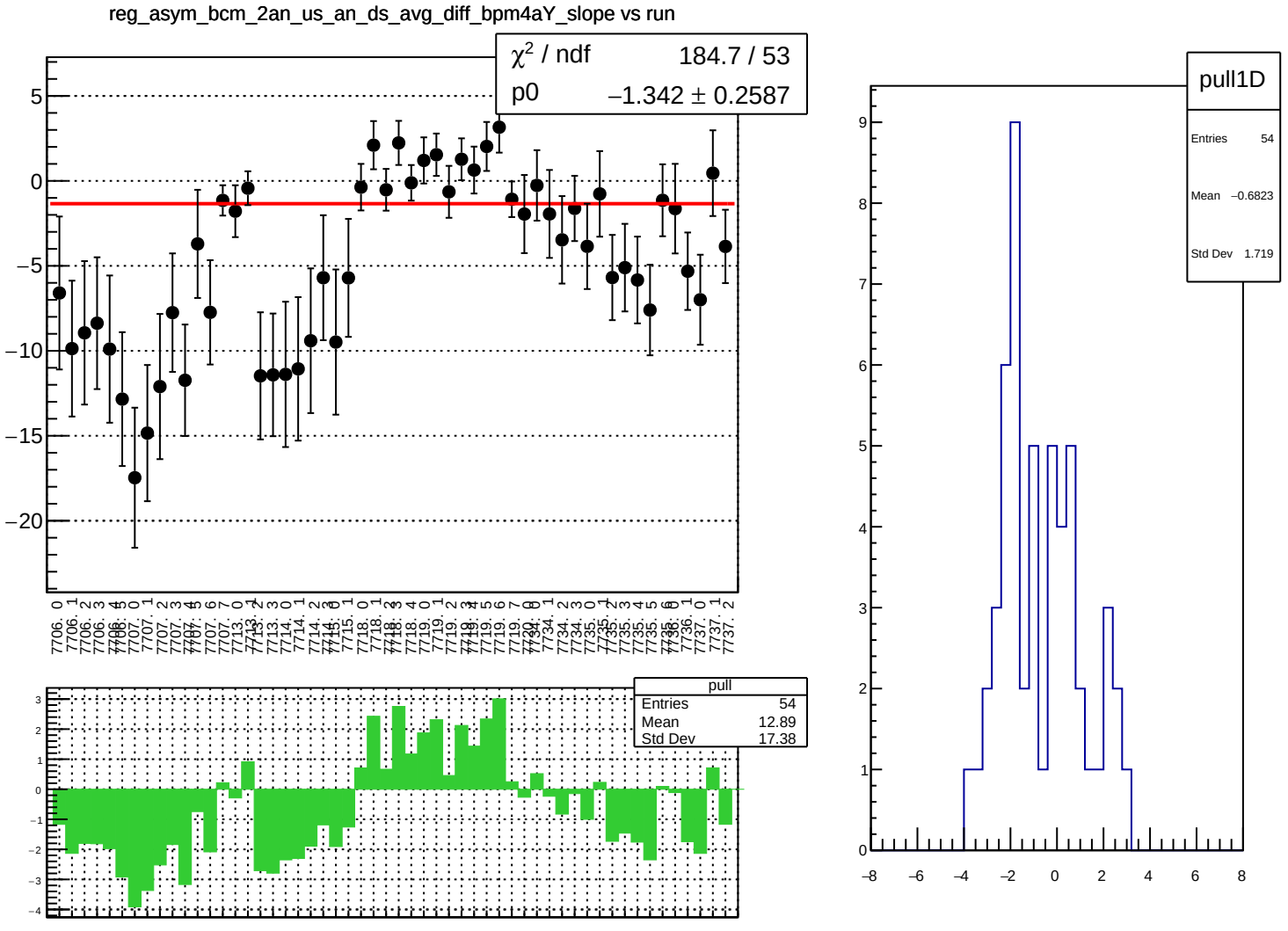

pull1D
Entries 54
Mean −2.32
Std Dev 3.944

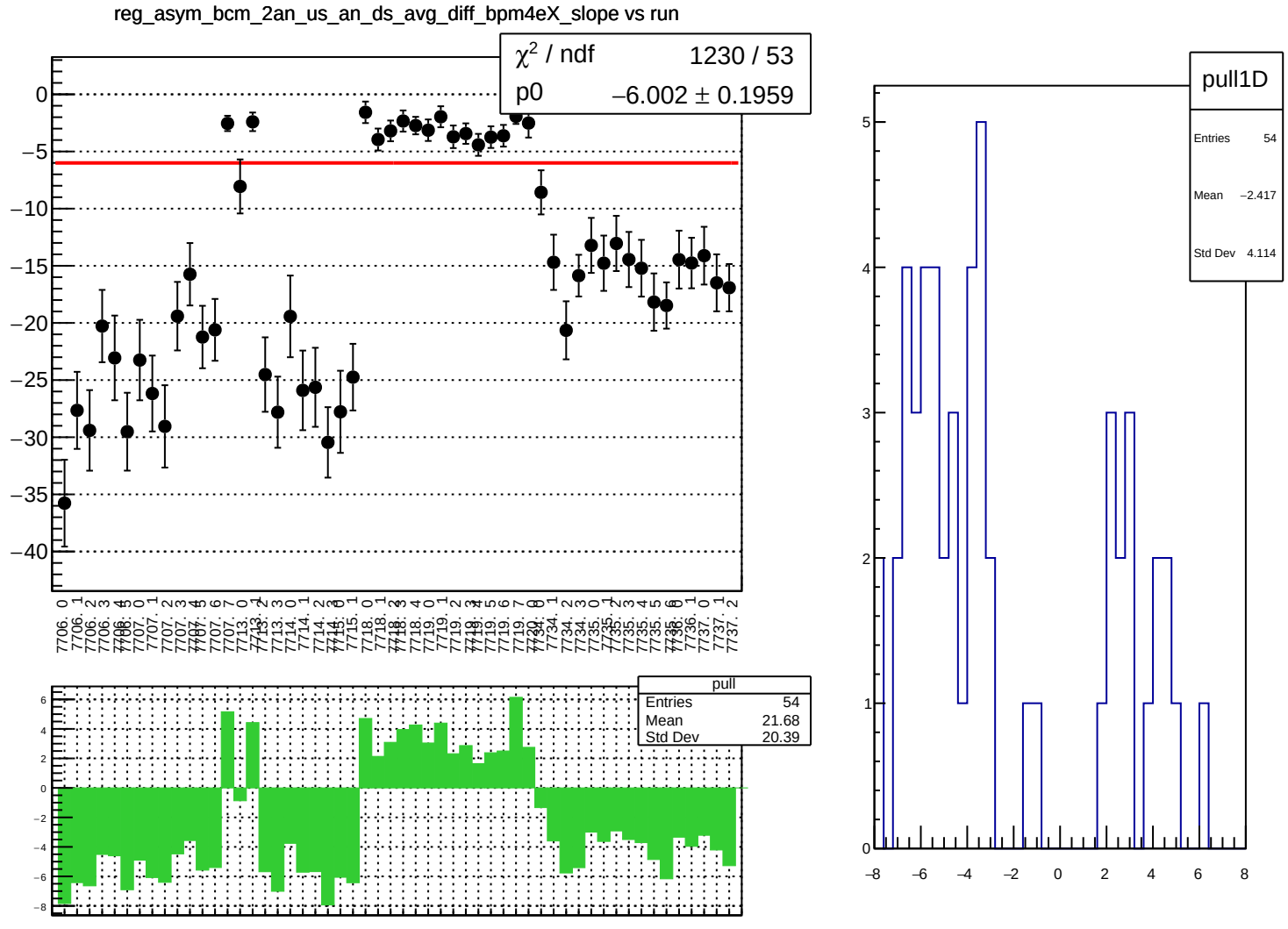

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 159.9 / 53
p0 1.562 ± 0.3933
pull
Entries 54
Mean 12.07
Std Dev 18.88
pull1D
Entries 54
Mean 0.5038
Std Dev 1.645

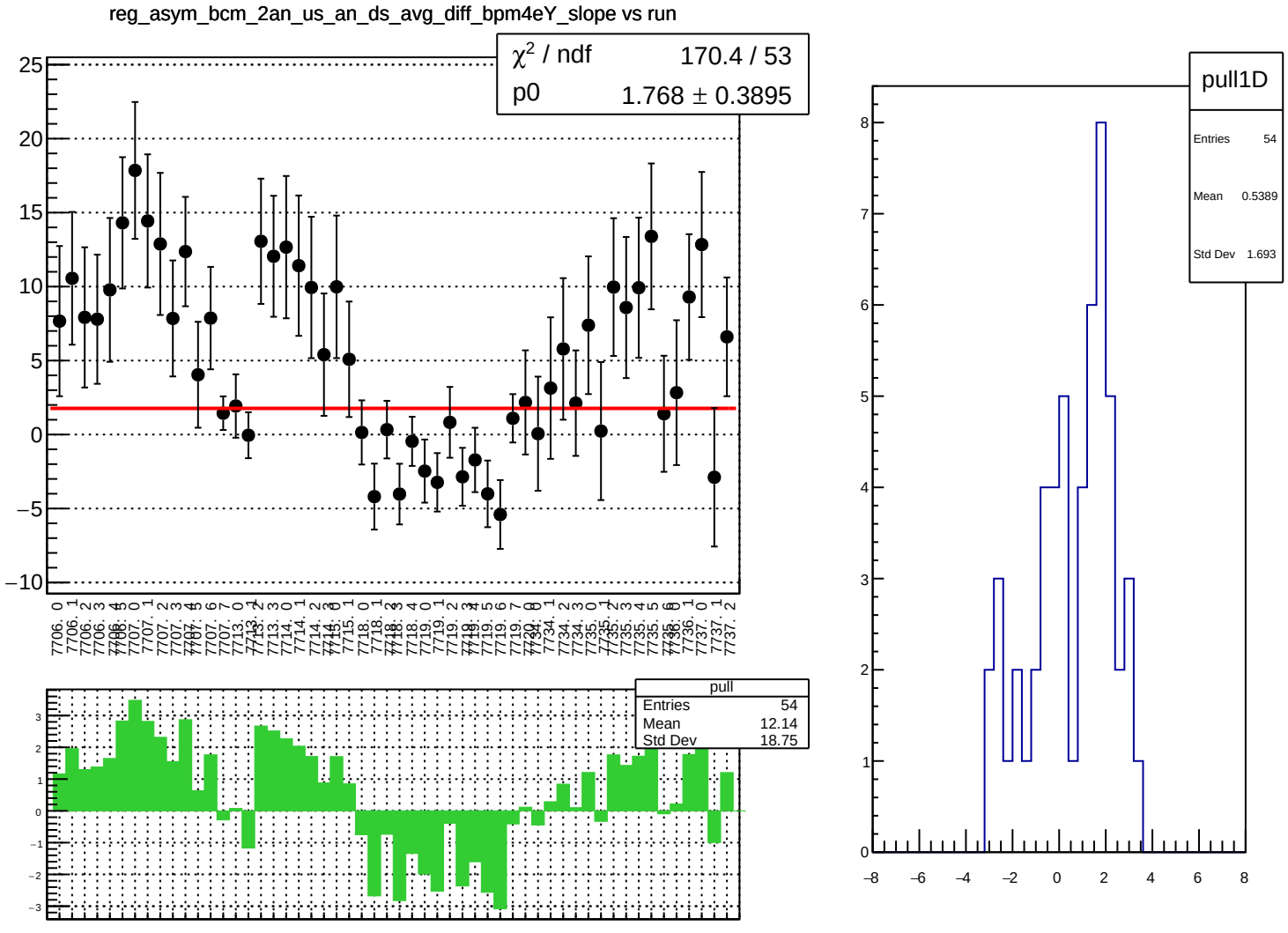

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 132.6 / 53
p0 0.567 ± 0.01756
pull
Entries 54
Mean 80.29
Std Dev 0
pull1D
Entries 54
Mean 0.2005
Std Dev 1.554

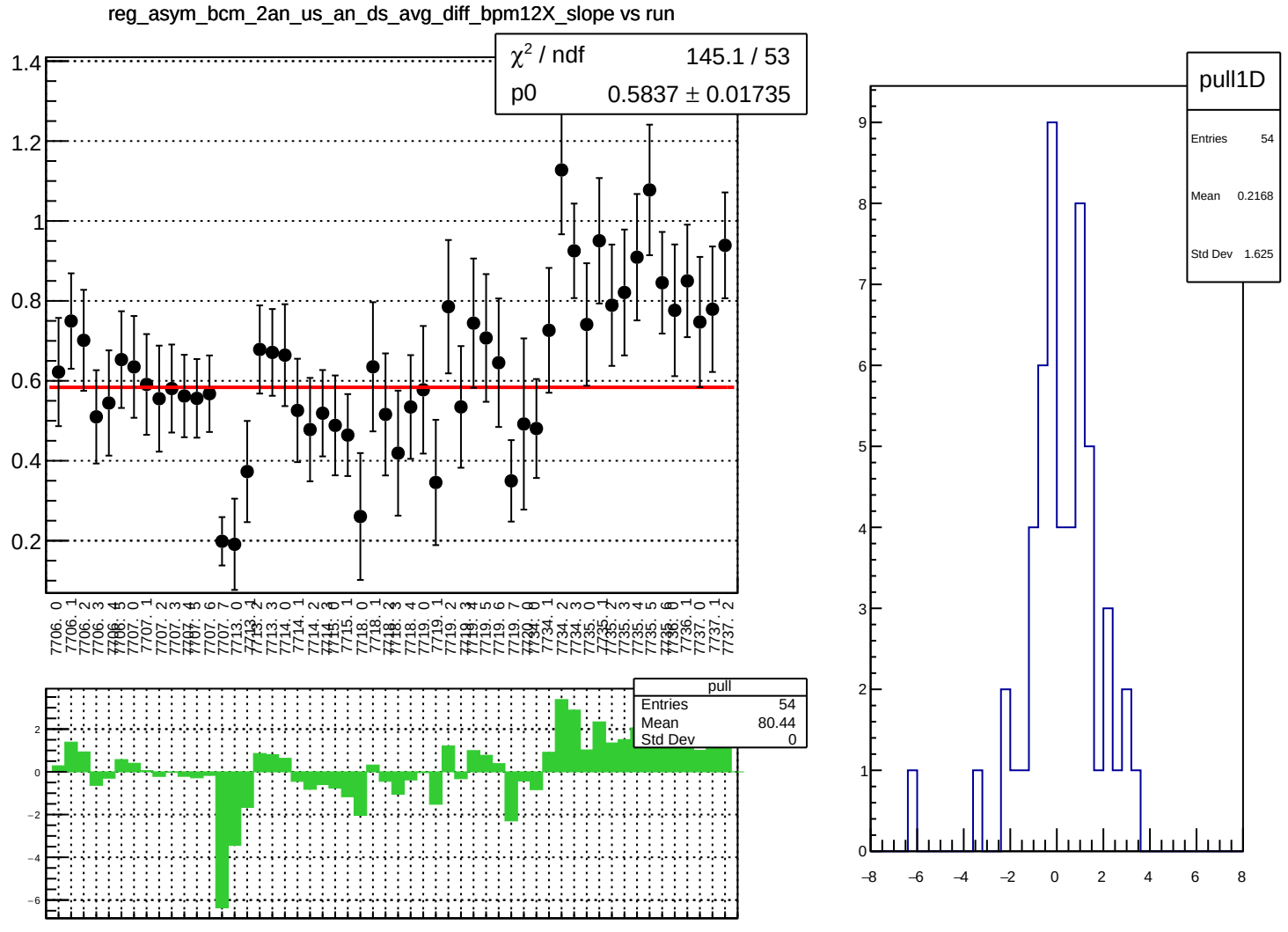

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1088 / 53
p0 7.592 ± 0.2321
pull
Entries 54
Mean 19.33
Std Dev 20.33

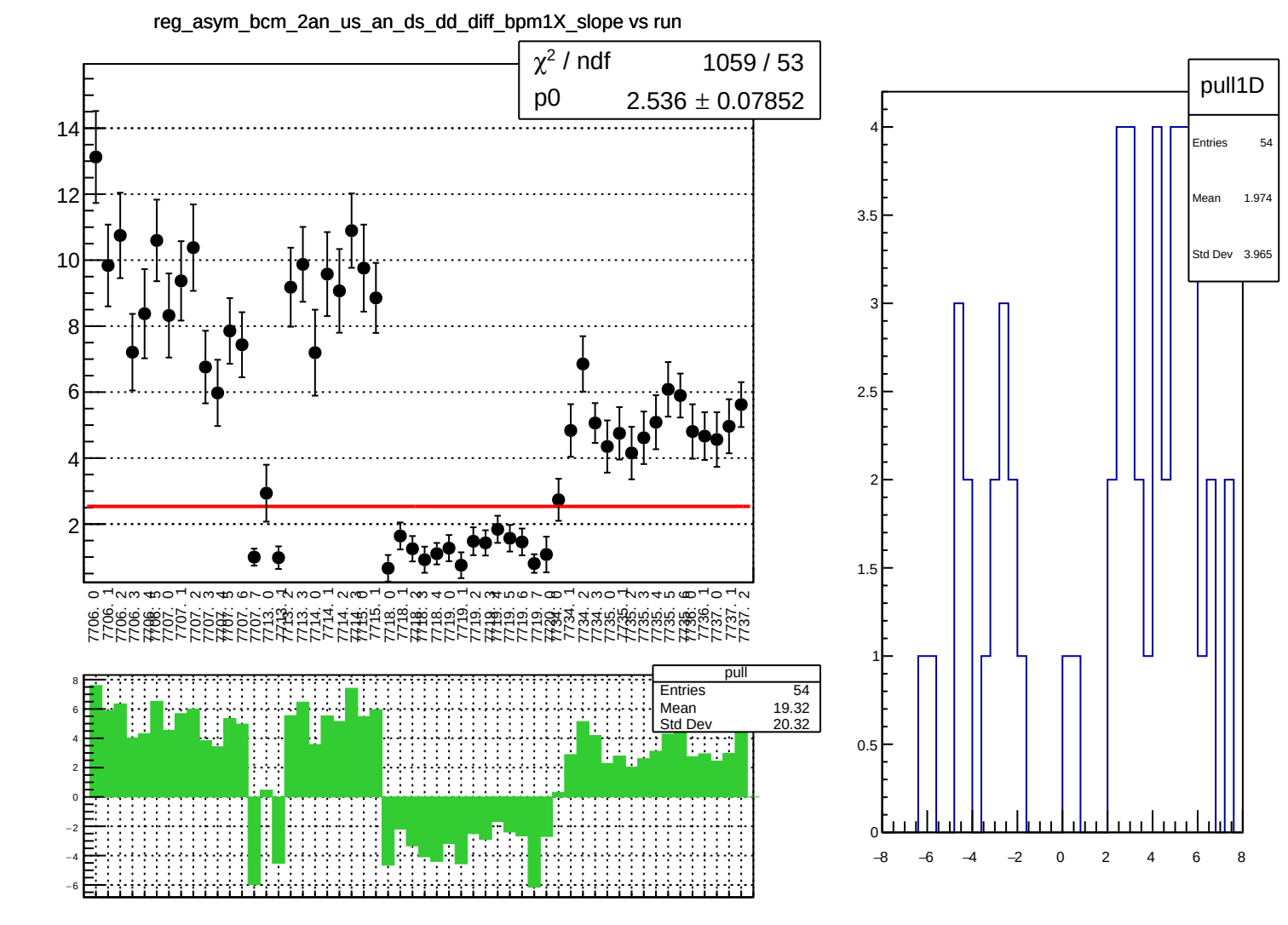

pull1D
Entries 54
Mean 2.004
Std Dev 4.017

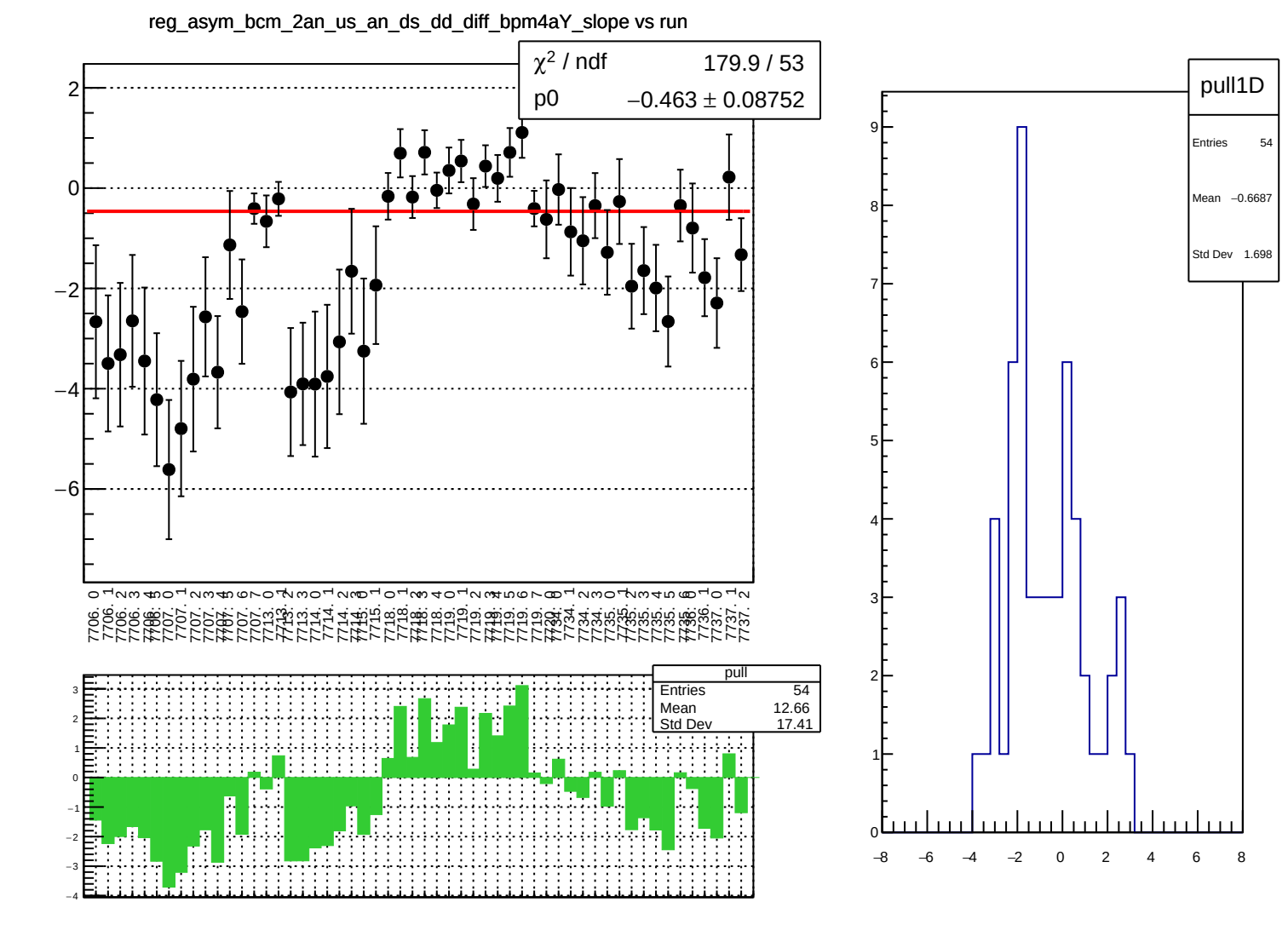

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 184.7 / 53
p0 −1.342 ± 0.2587
pull
Entries 54
Mean 12.89
Std Dev 17.38
pull1D
Entries 54
Mean −0.6823
Std Dev 1.719

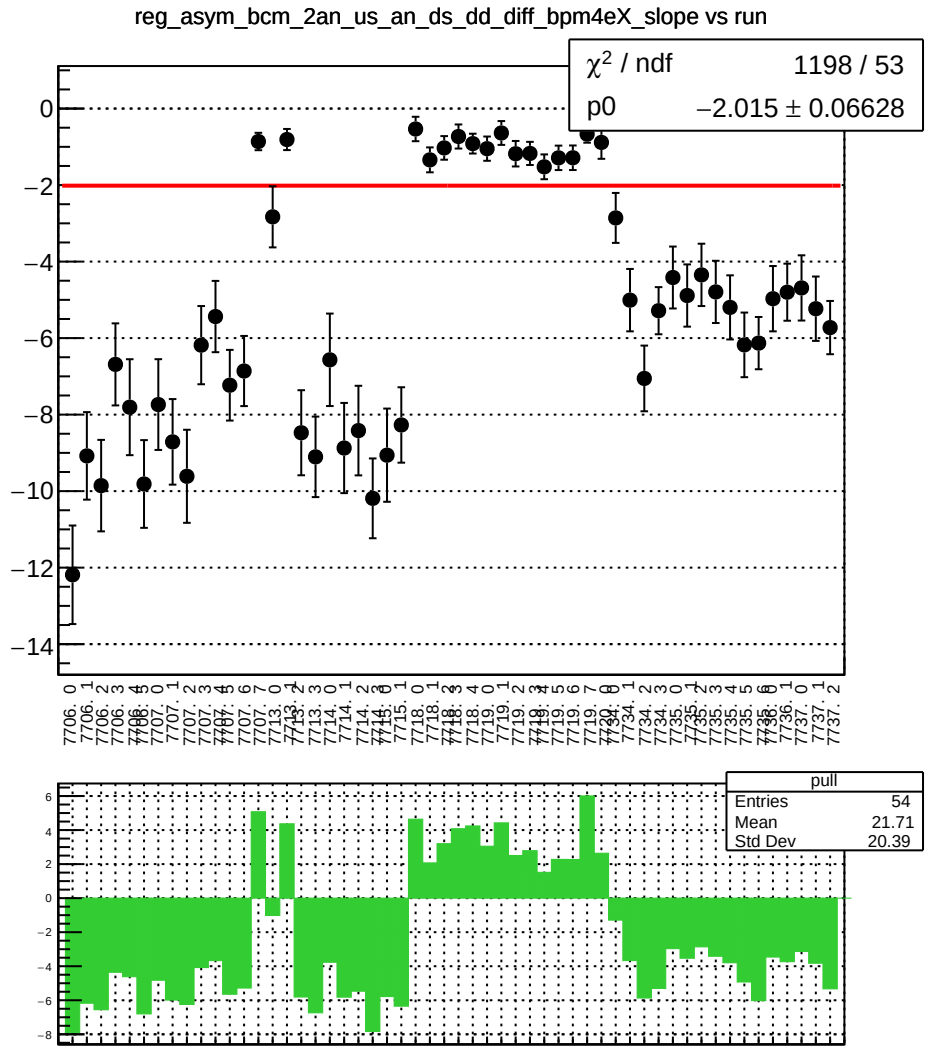

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1230 / 53
p0 −6.002 ± 0.1959
pull
Entries 54
Mean 21.68
Std Dev 20.39
pull1D
Entries 54
Mean −2.417
Std Dev 4.114

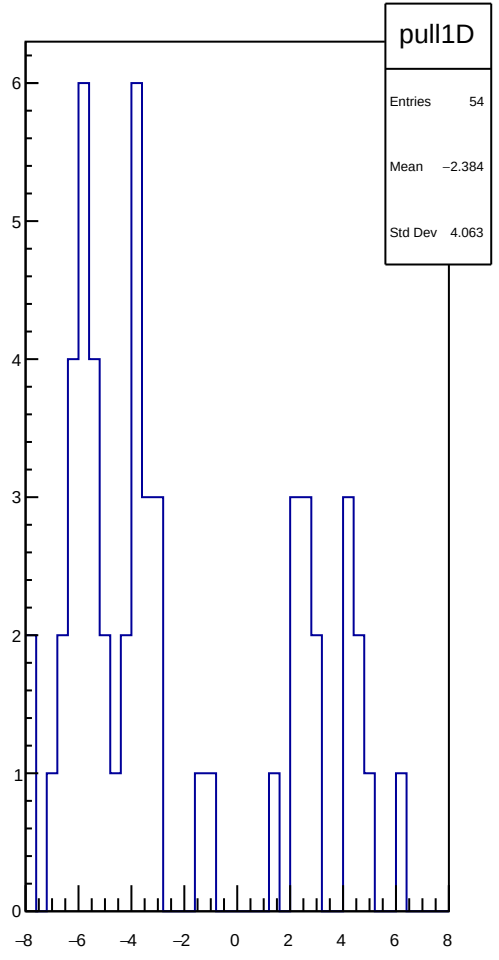

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 170.4 / 53
p0 1.768 ± 0.3895
pull
Entries 54
Mean 12.14
Std Dev 18.75
pull1D
Entries 54
Mean 0.5389
Std Dev 1.693

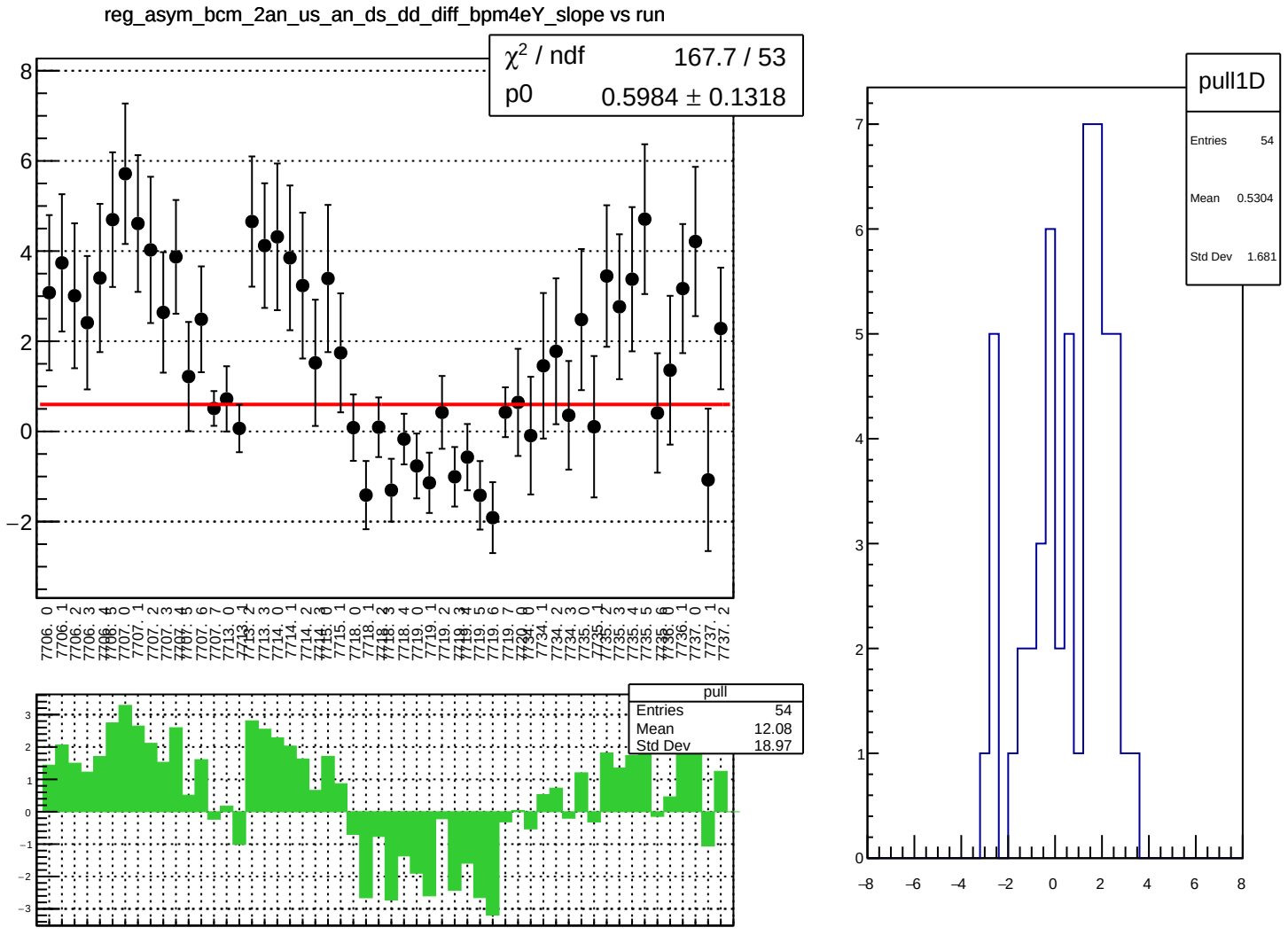

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 145.1 / 53
p0 0.5837 ± 0.01735
pull
Entries 54
Mean 80.44
Std Dev 0
pull1D
Entries 54
Mean 0.2168
Std Dev 1.625

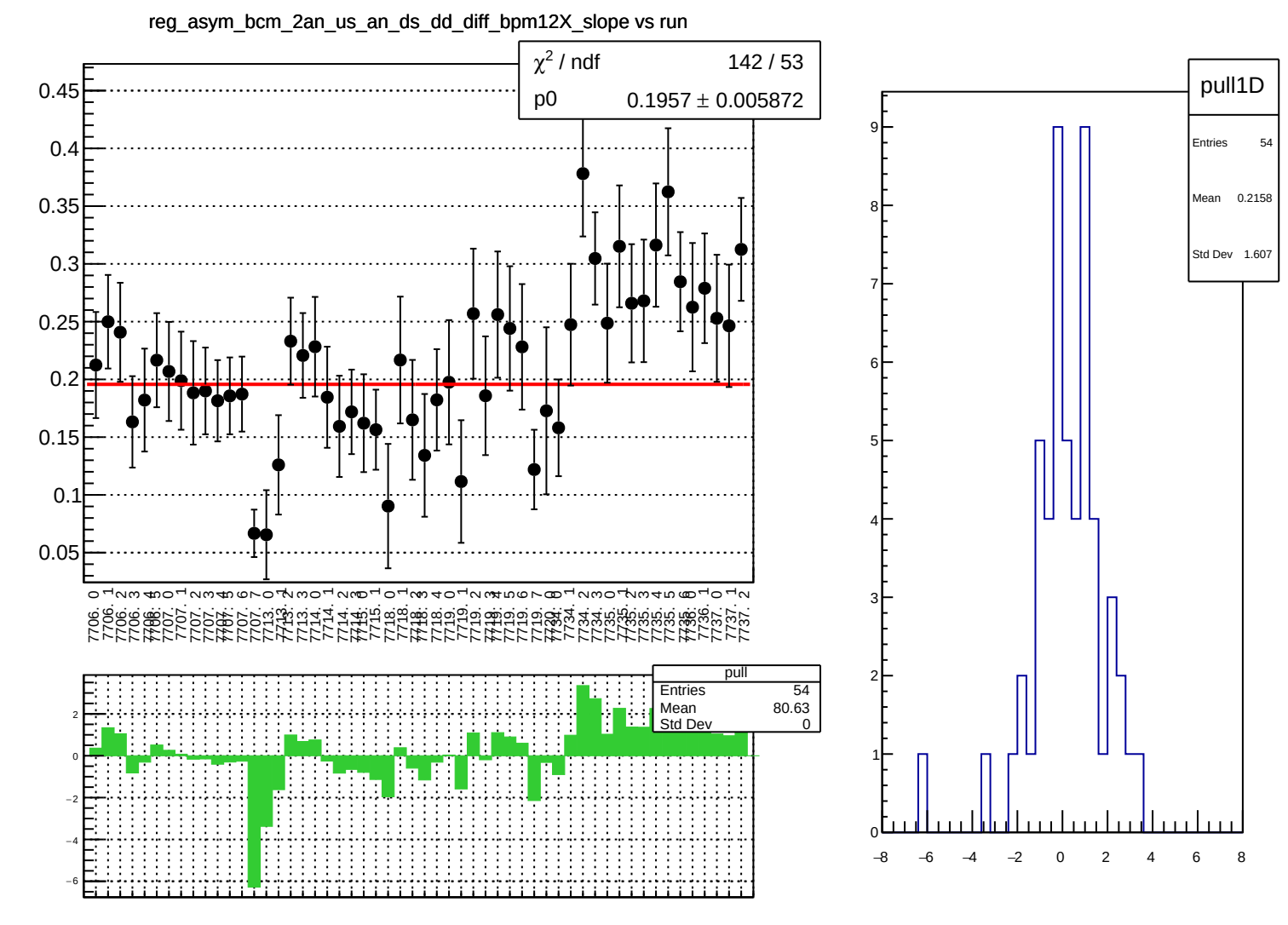

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 1059 / 53
p0 2.536 ± 0.07852
pull
Entries 54
Mean 19.32
Std Dev 20.32
pull1D
Entries 54
Mean 1.974
Std Dev 3.965

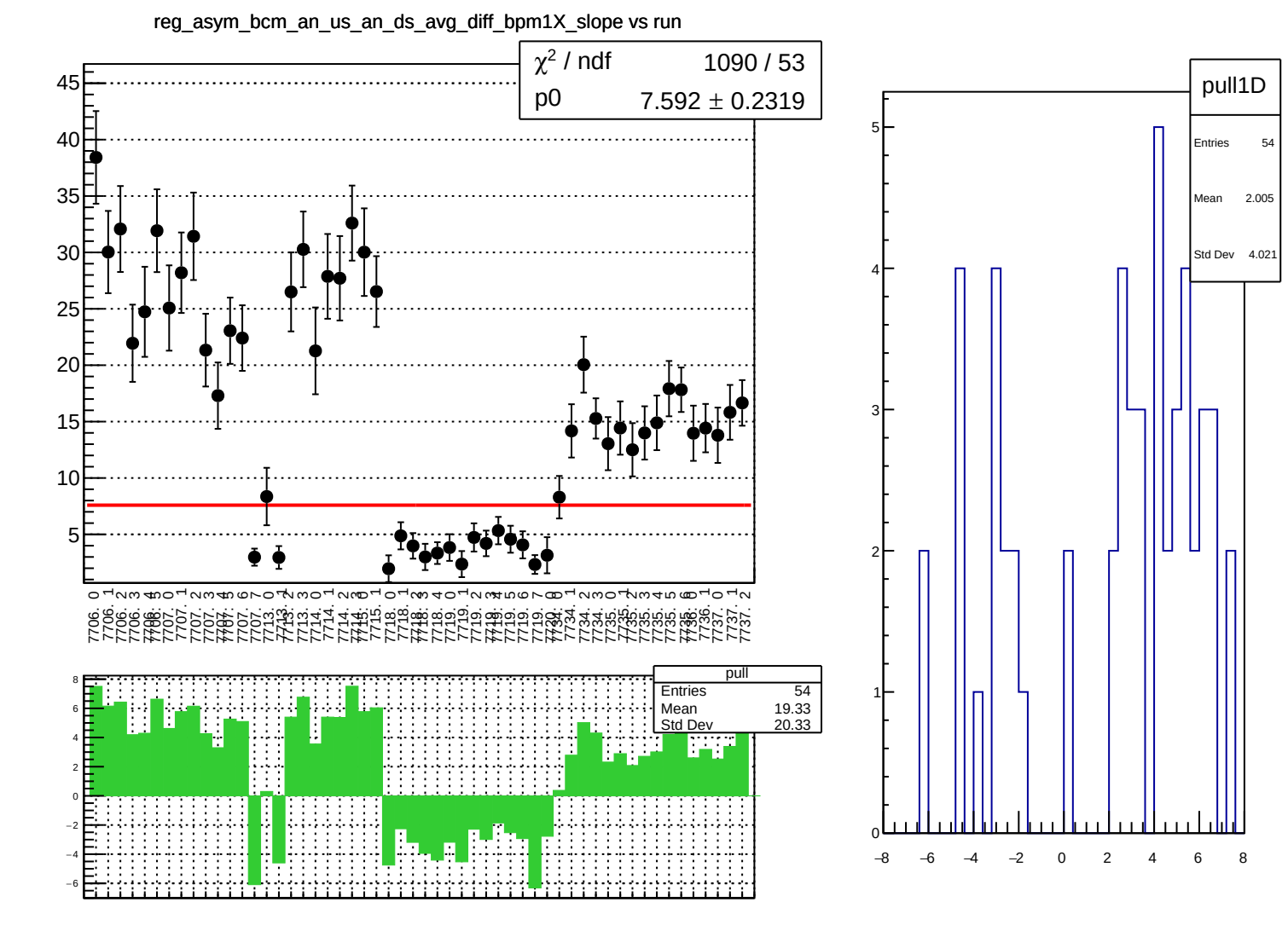

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 179.9 / 53
p0 −0.463 ± 0.08752
pull
Entries 54
Mean 12.66
Std Dev 17.41
pull1D
Entries 54
Mean −0.6687
Std Dev 1.698

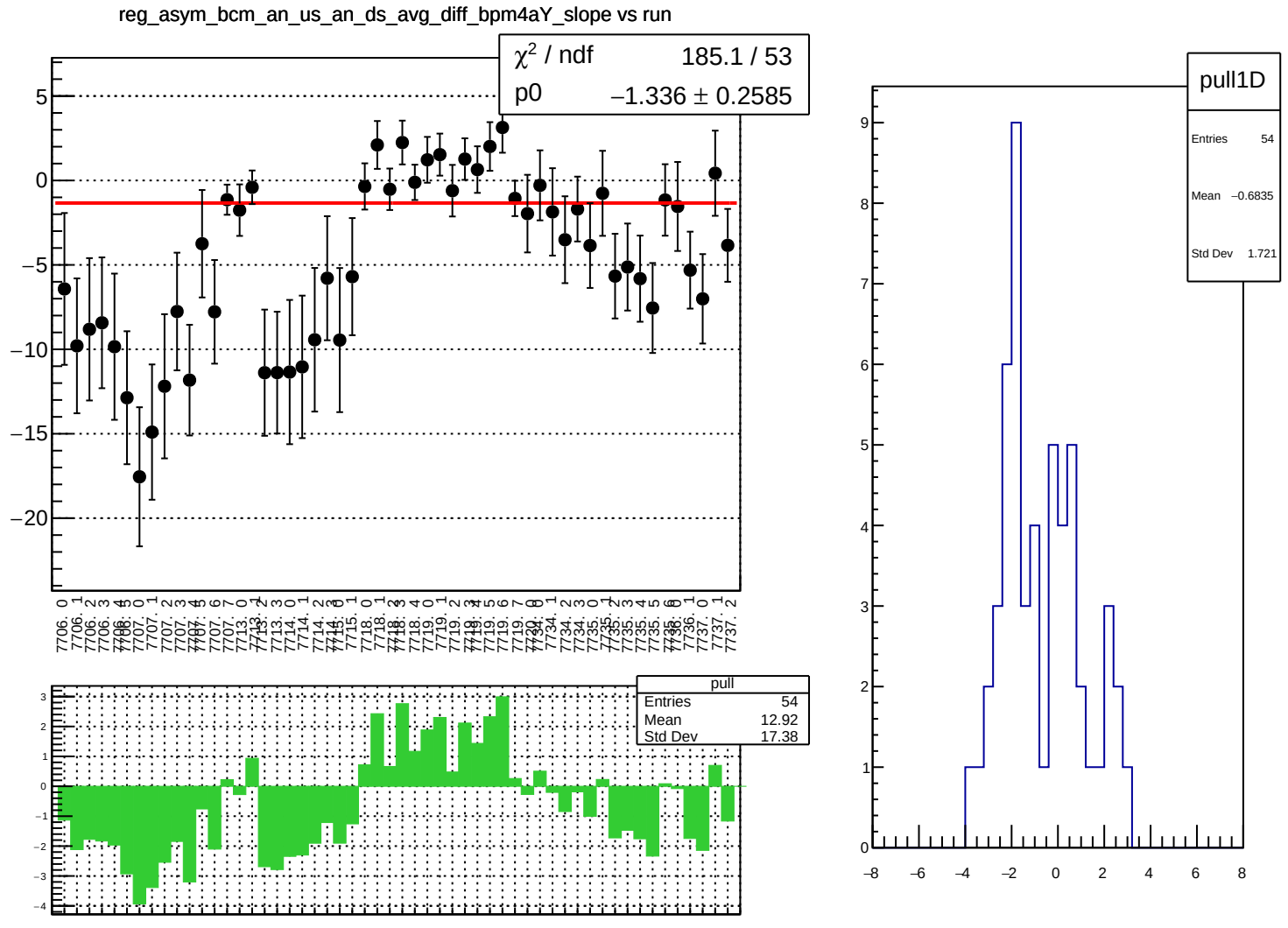

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 1198 / 53
p0 −2.015 ± 0.06628
pull
Entries 54
Mean 21.71
Std Dev 20.39

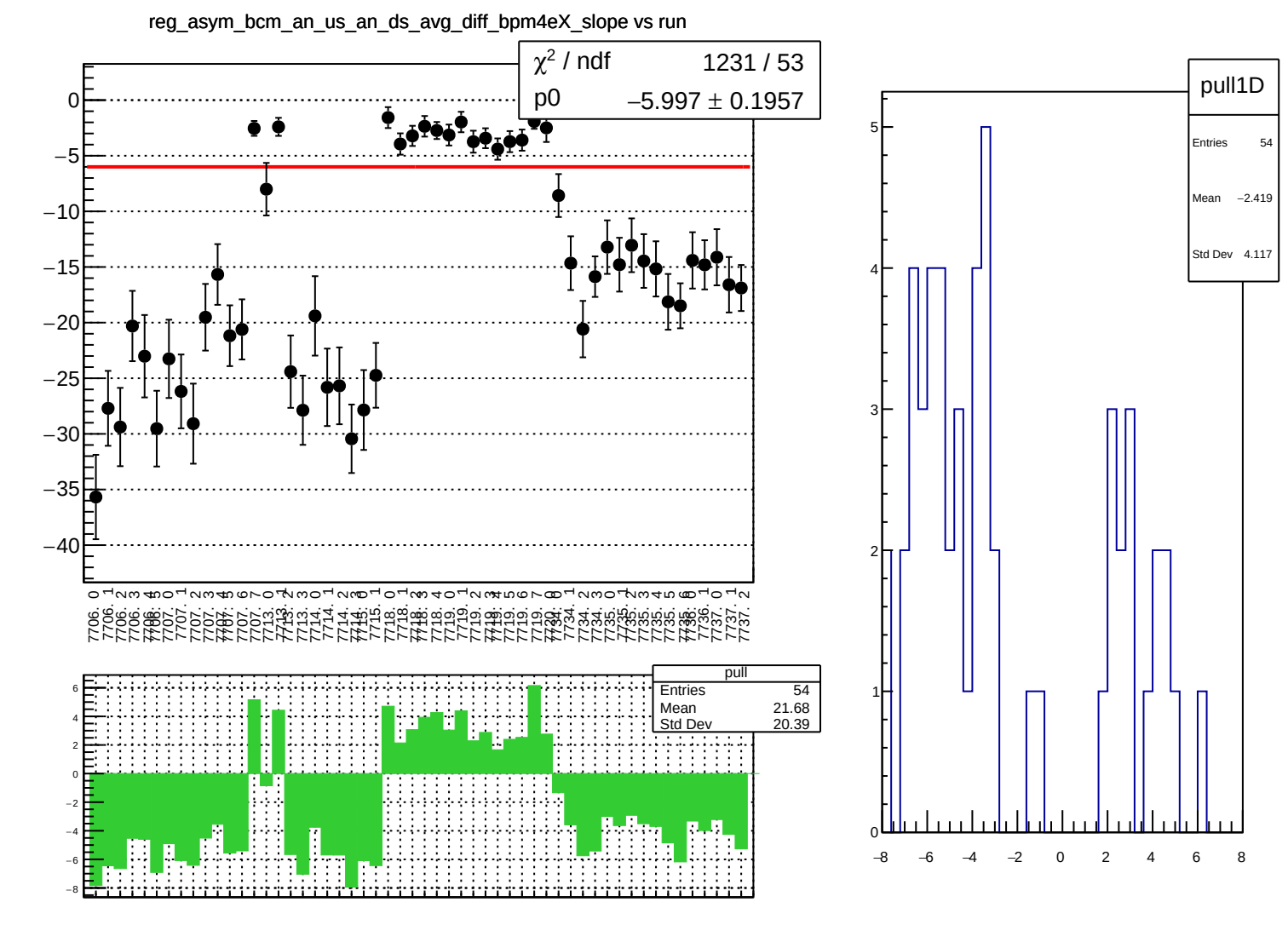

pull1D
Entries 54
Mean −2.384
Std Dev 4.063

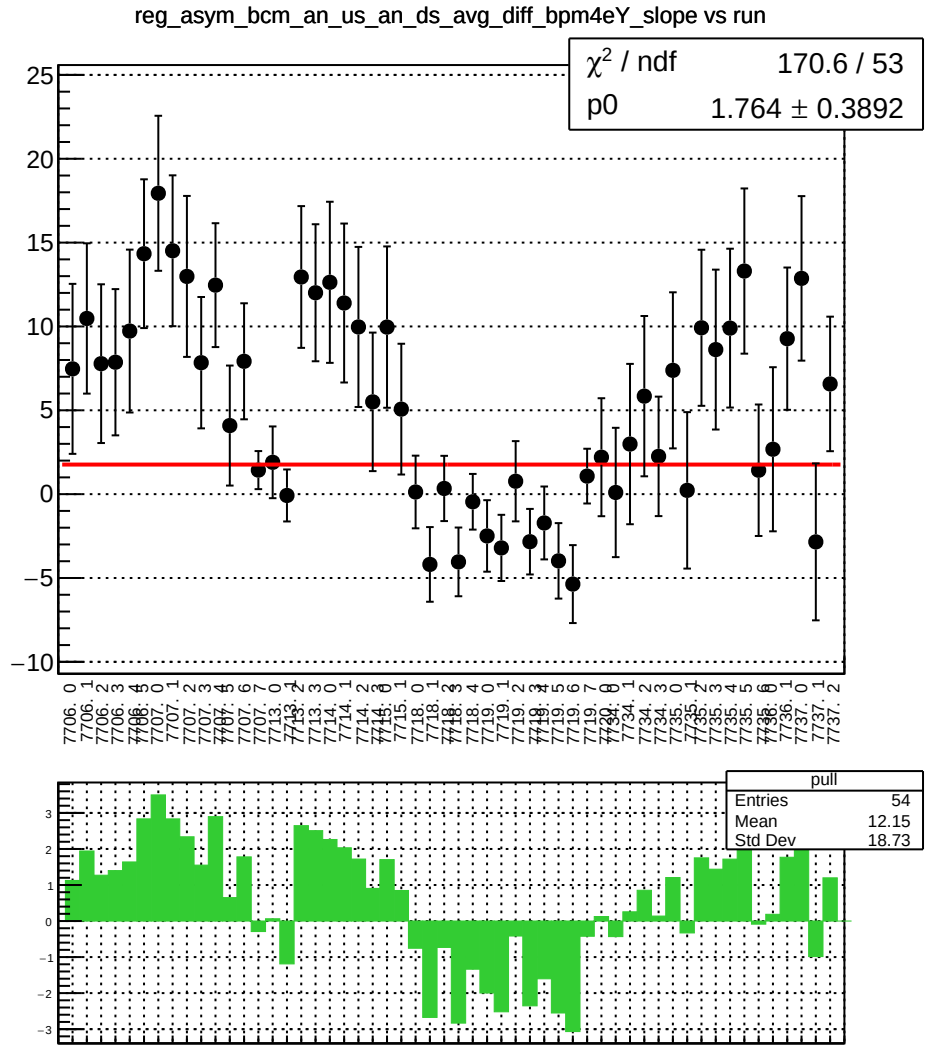

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 167.7 / 53
p0 0.5984 ± 0.1318
pull
Entries 54
Mean 12.08
Std Dev 18.97
pull1D
Entries 54
Mean 0.5304
Std Dev 1.681

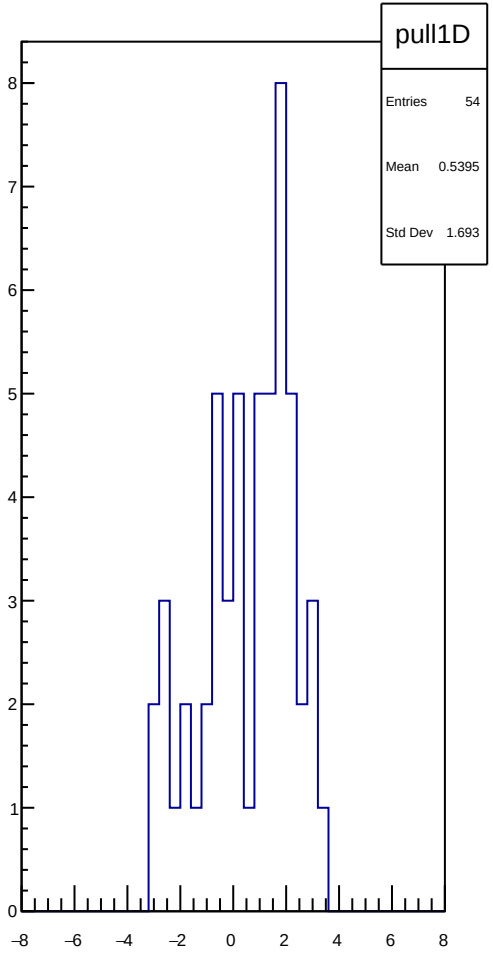

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 142 / 53
p0 0.1957 ± 0.005872
pull
Entries 54
Mean 80.63
Std Dev 0
pull1D
Entries 54
Mean 0.2158
Std Dev 1.607

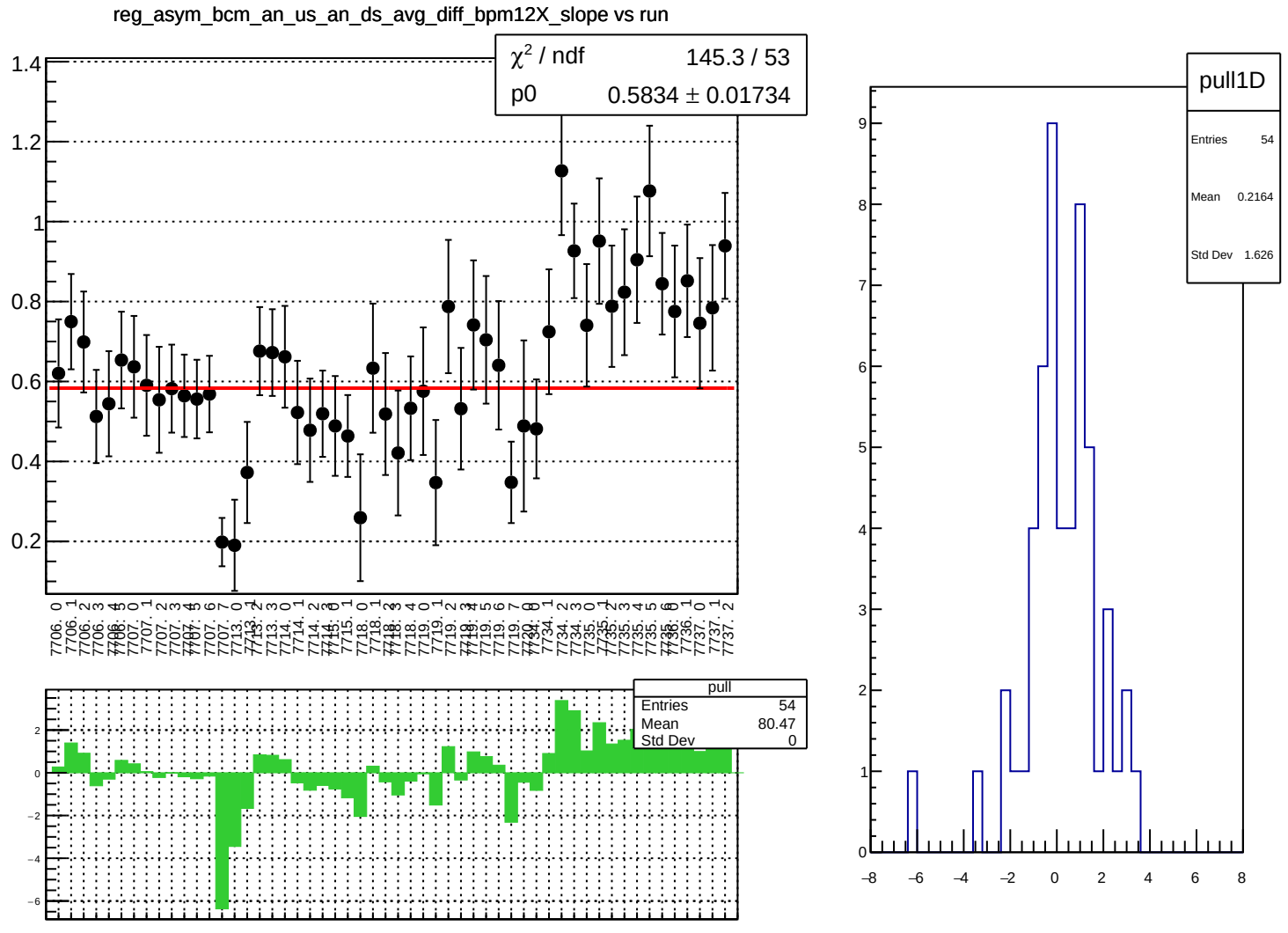

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1090 / 53
p0 7.592 ± 0.2319
pull
Entries 54
Mean 19.33
Std Dev 20.33
pull1D
Entries 54
Mean 2.005
Std Dev 4.021

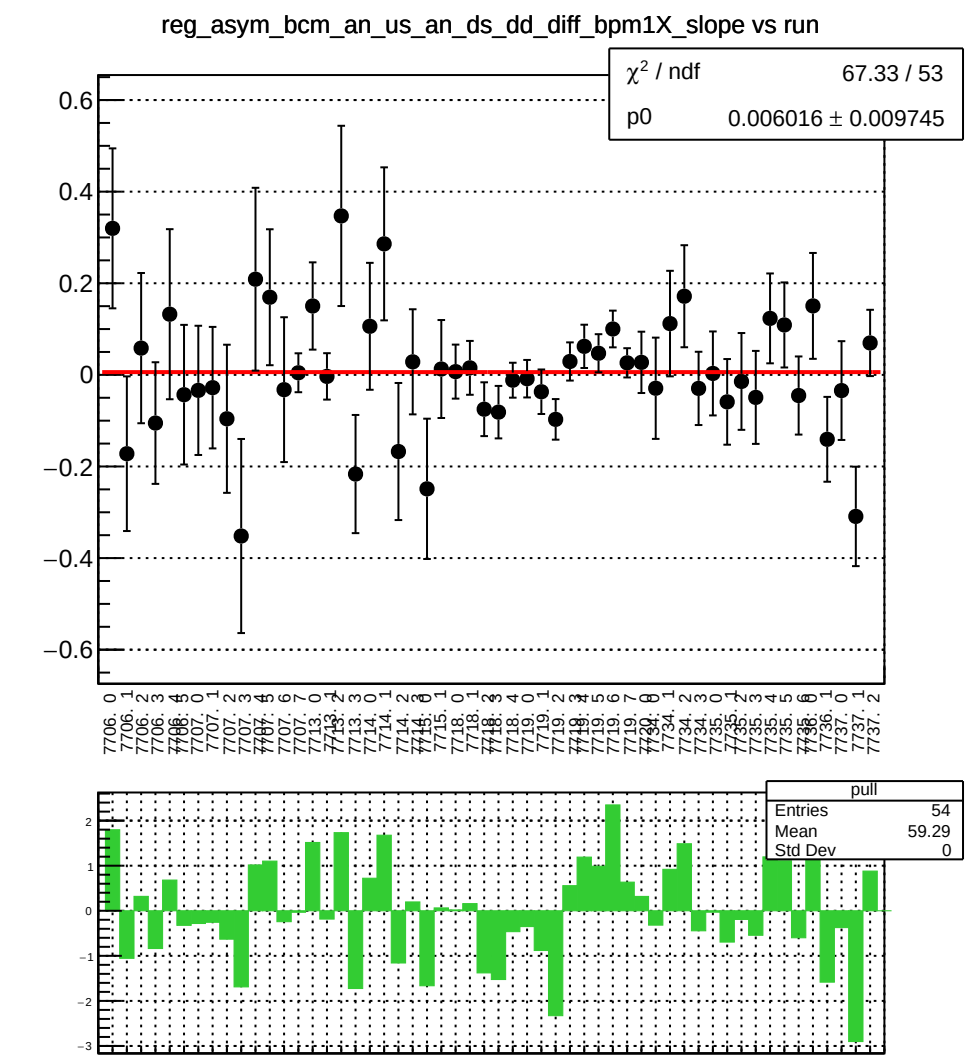

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 185.1 / 53
p0 −1.336 ± 0.2585
pull
Entries 54
Mean 12.92
Std Dev 17.38
pull1D
Entries 54
Mean −0.6835
Std Dev 1.721

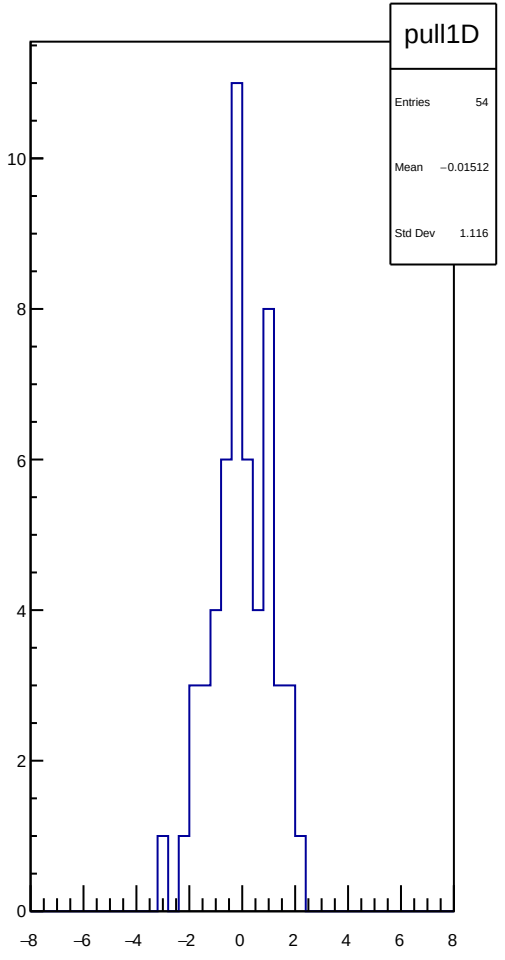

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1231 / 53
p0 −5.997 ± 0.1957
pull
Entries 54
Mean 21.68
Std Dev 20.39
pull1D
Entries 54
Mean −2.419
Std Dev 4.117

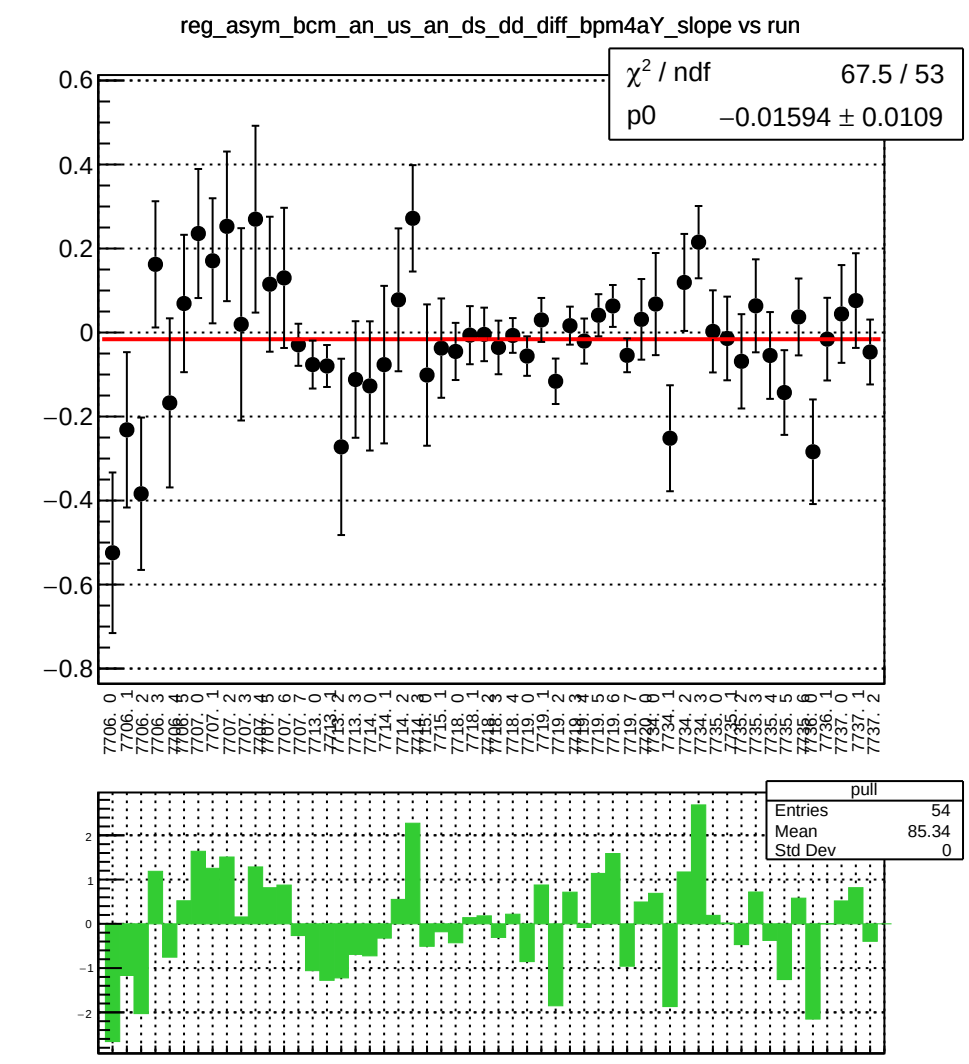

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 170.6 / 53
p0 1.764 ± 0.3892
pull
Entries 54
Mean 12.15
Std Dev 18.73

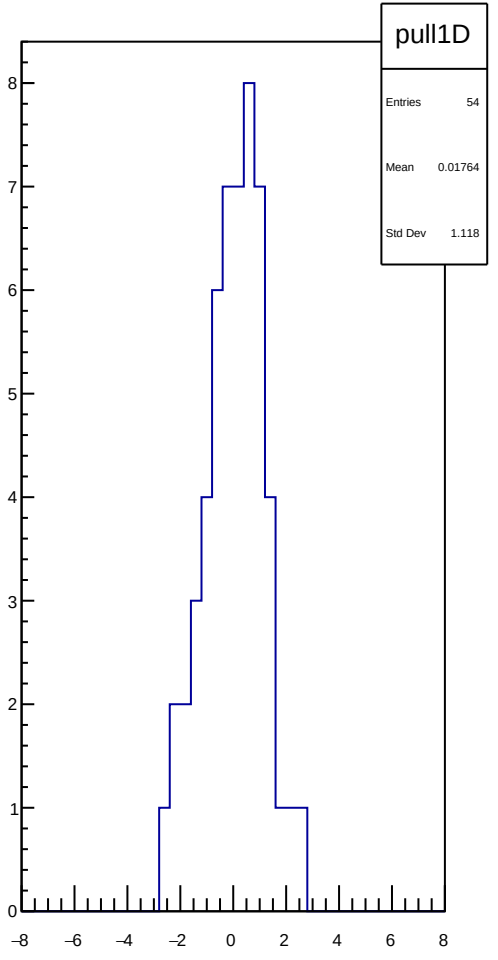

pull1D
Entries 54
Mean 0.5395
Std Dev 1.693

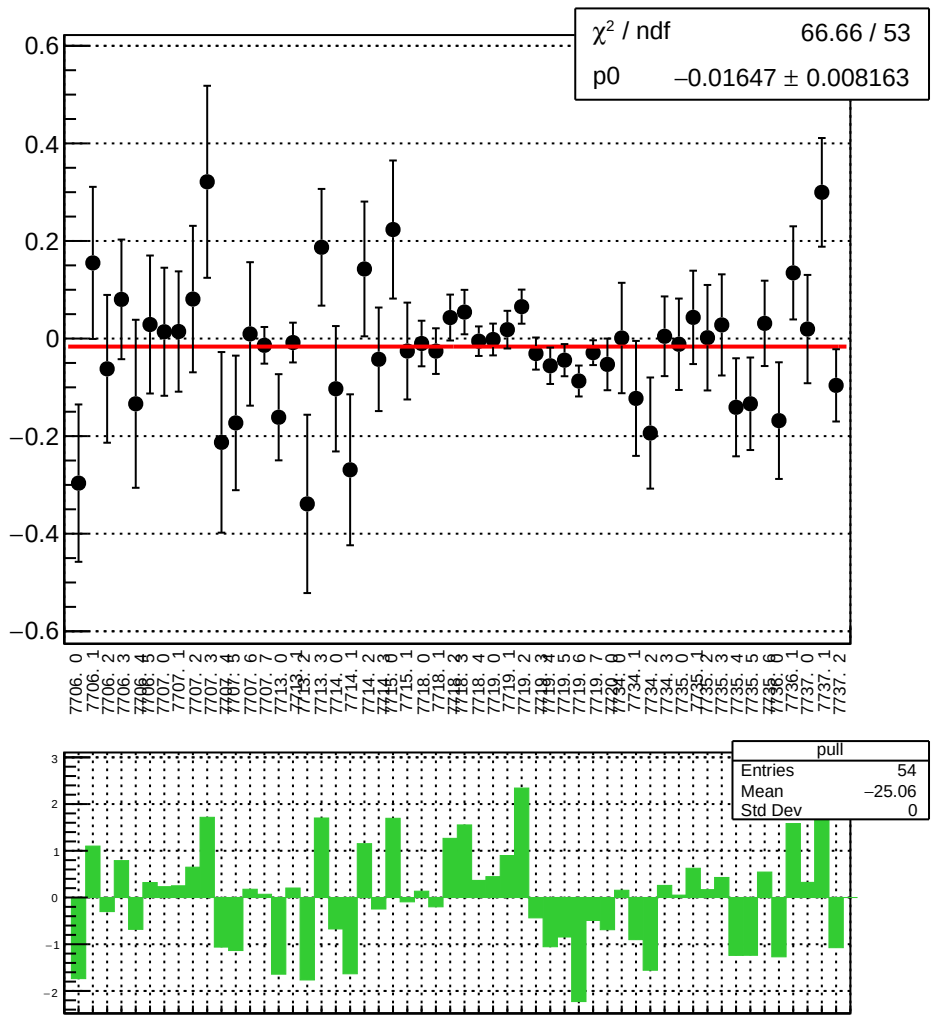

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 145.3 / 53
p0 0.5834 ± 0.01734
pull
Entries 54
Mean 80.47
Std Dev 0
pull1D
Entries 54
Mean 0.2164
Std Dev 1.626

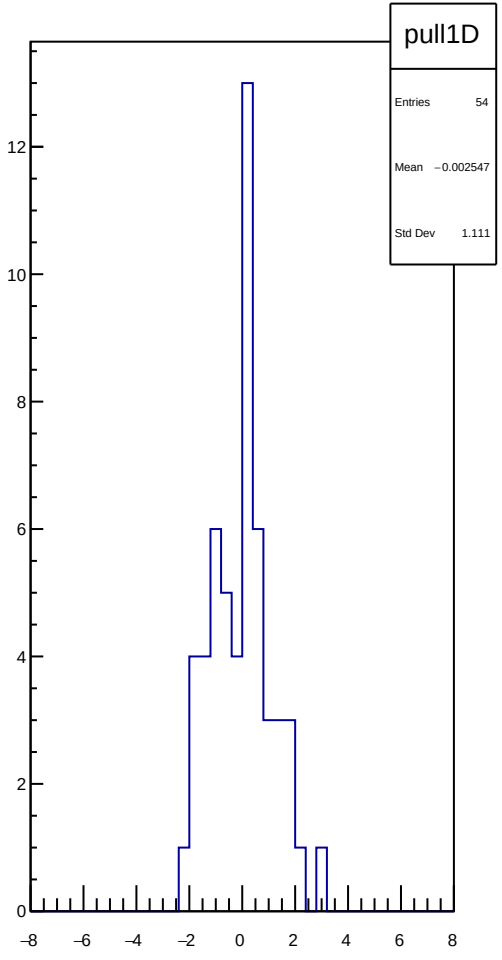

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 67.33 / 53
p0 0.006016 ± 0.009745
pull
Entries 54
Mean 59.29
Std Dev 0

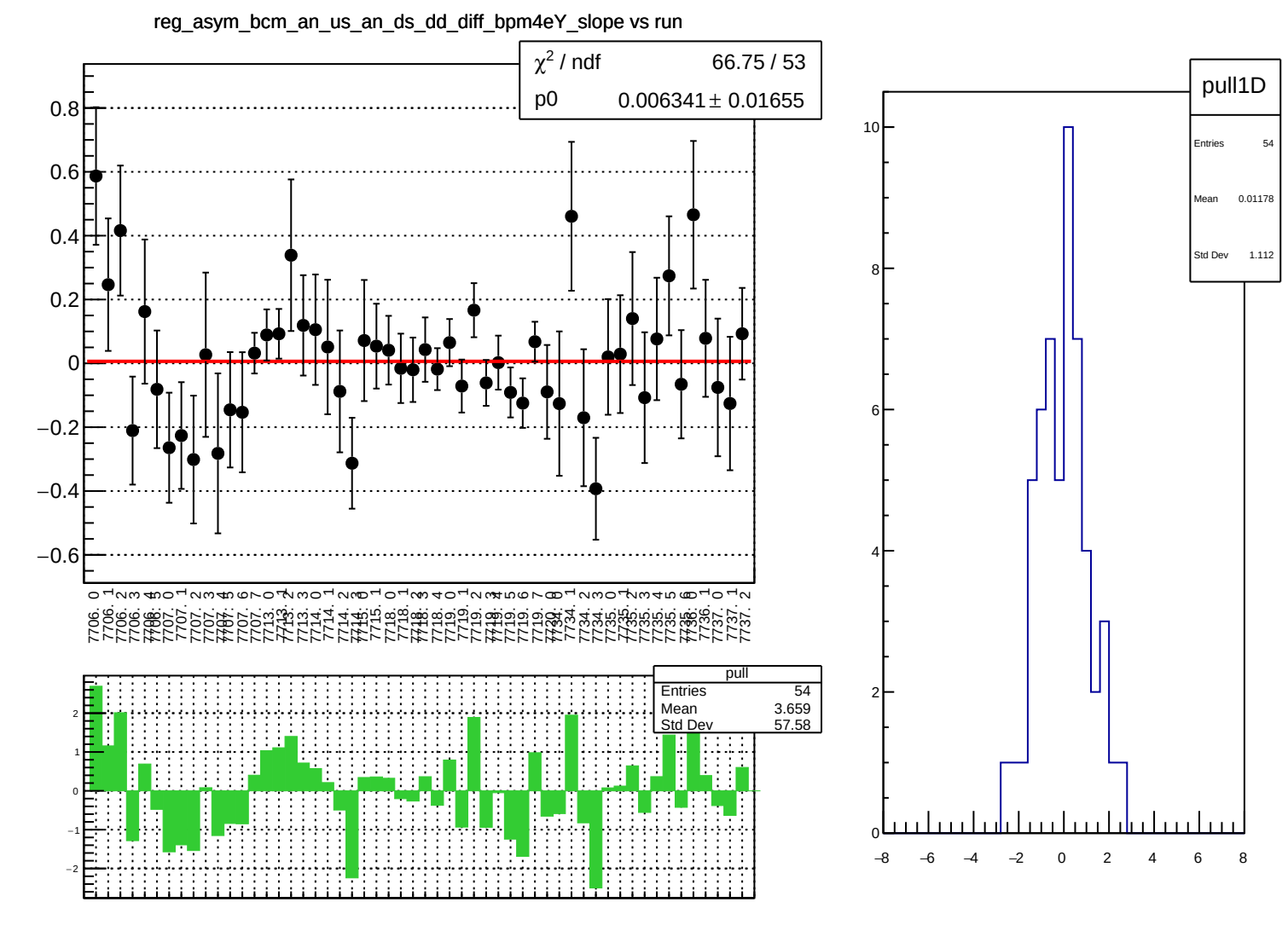

pull1D
Entries 54
Mean −0.01512
Std Dev 1.116

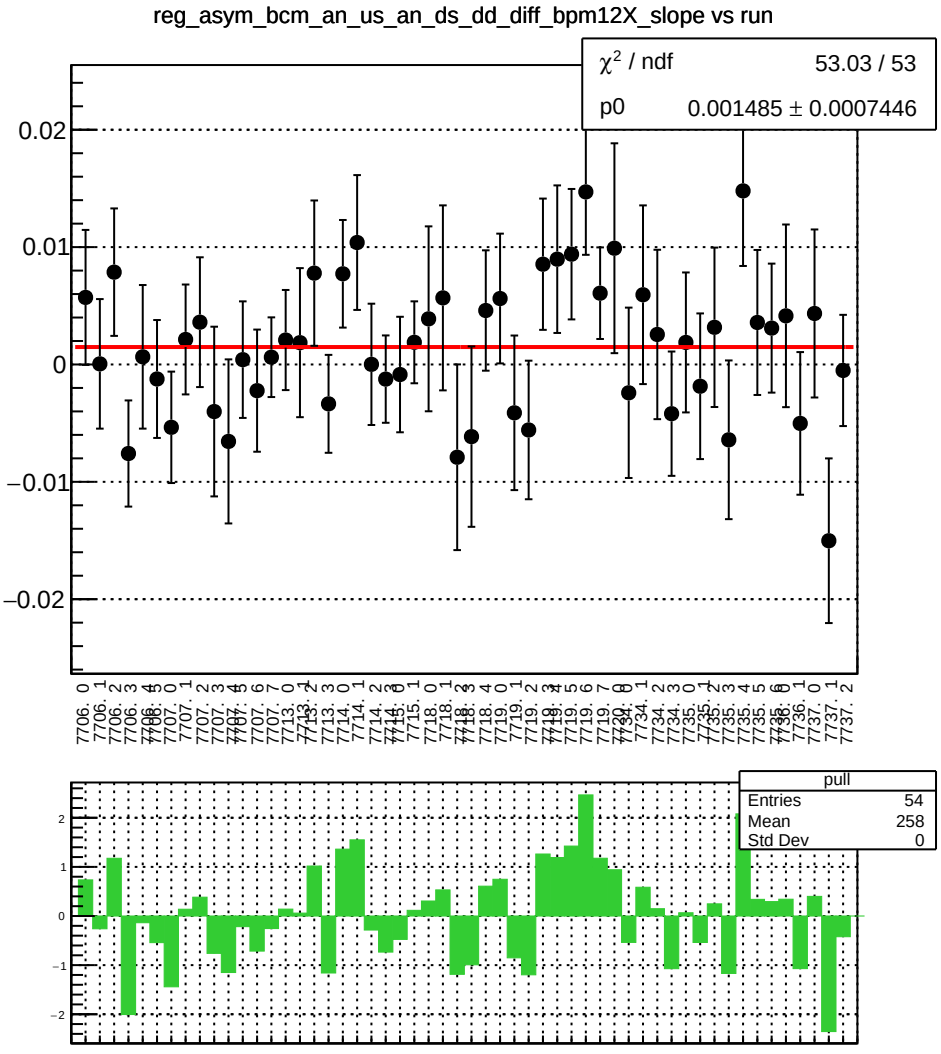

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.5 / 53
p0 −0.01594 ± 0.0109
pull
Entries 54
Mean 85.34
Std Dev 0

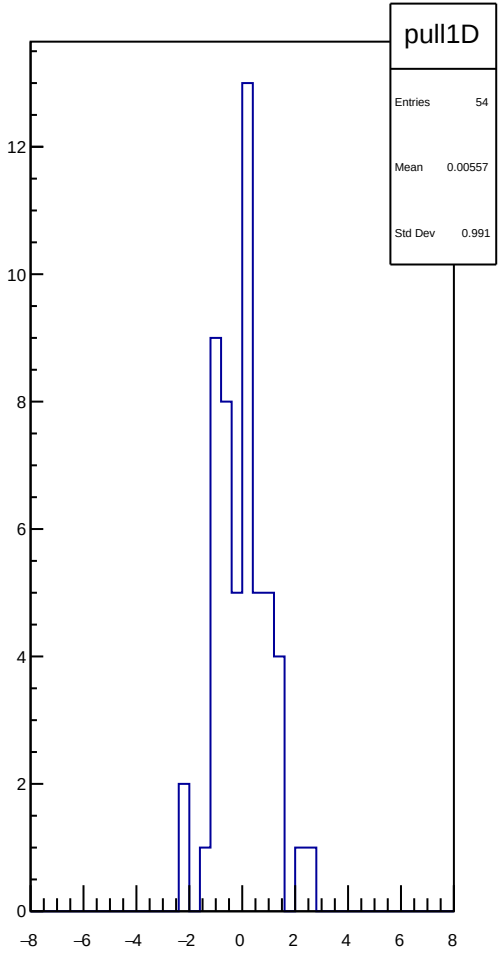

pull1D
Entries 54
Mean 0.01764
Std Dev 1.118

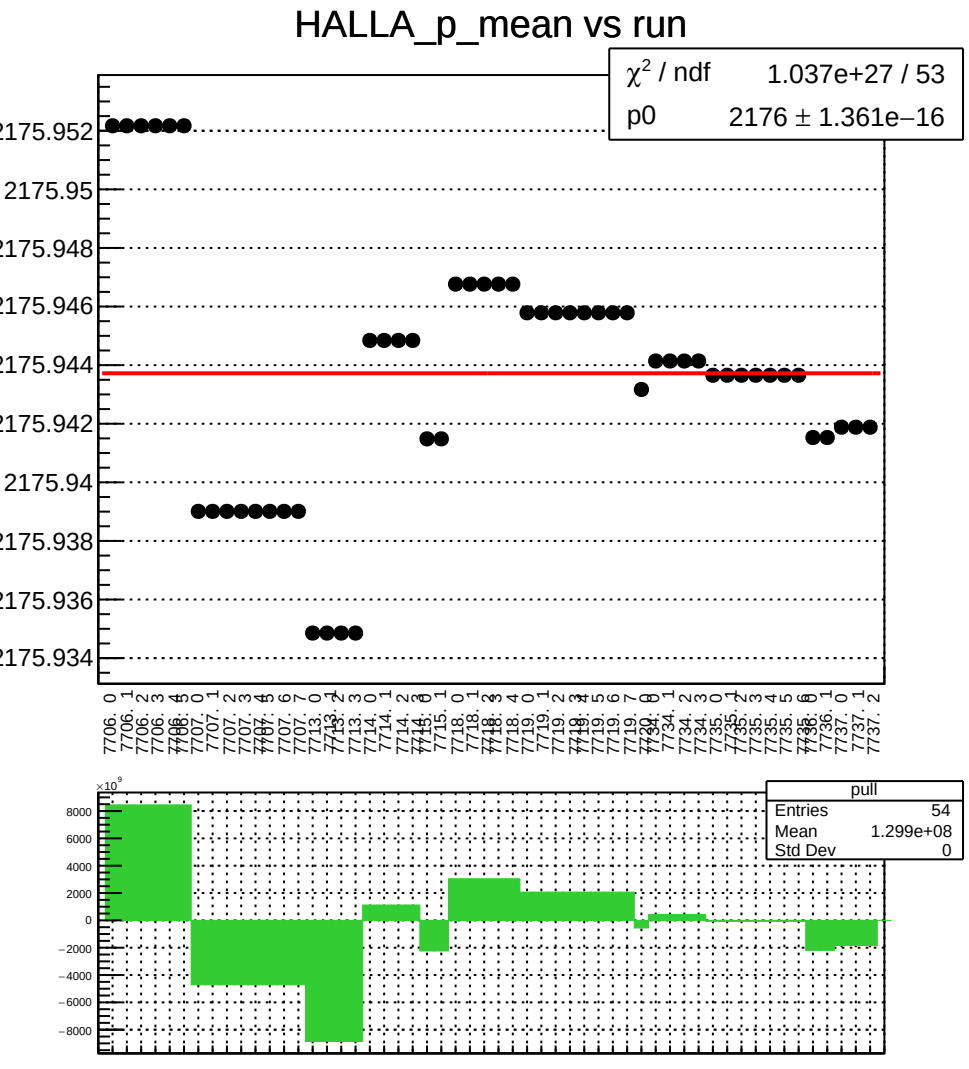

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.66 / 53
p0 −0.01647 ± 0.008163
pull
Entries 54
Mean −25.06
Std Dev 0

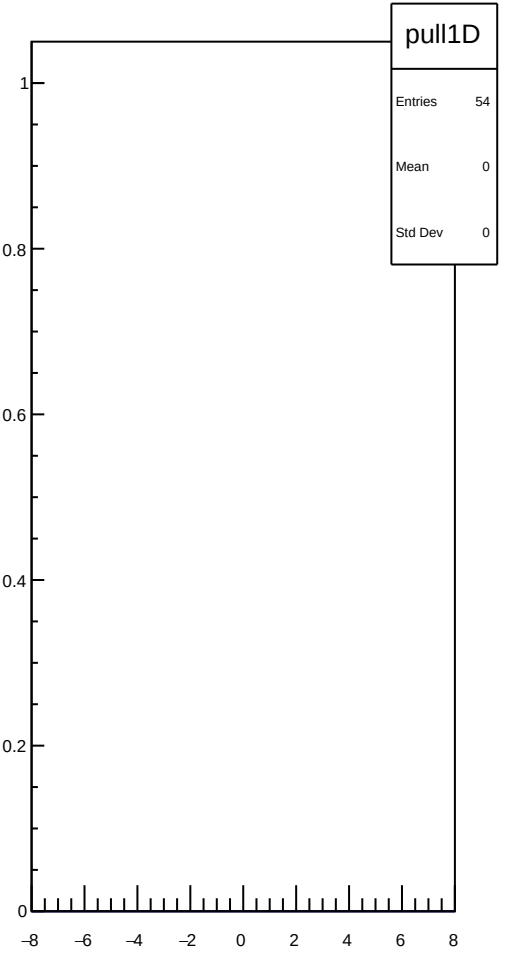

pull1D
Entries 54
Mean −0.002547
Std Dev 1.111

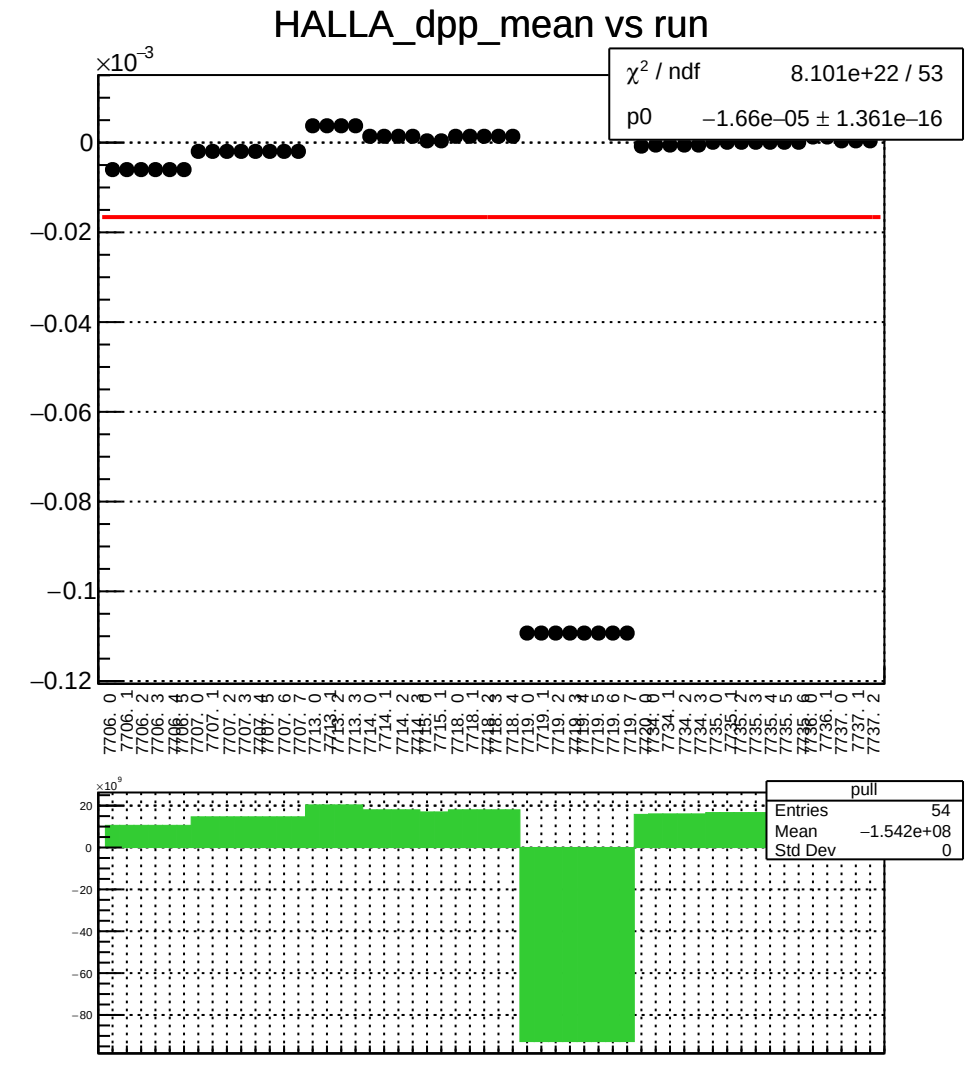

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.75 / 53
p0 0.006341 ± 0.01655
pull
Entries 54
Mean 3.659
Std Dev 57.58
pull1D
Entries 54
Mean 0.01178
Std Dev 1.112

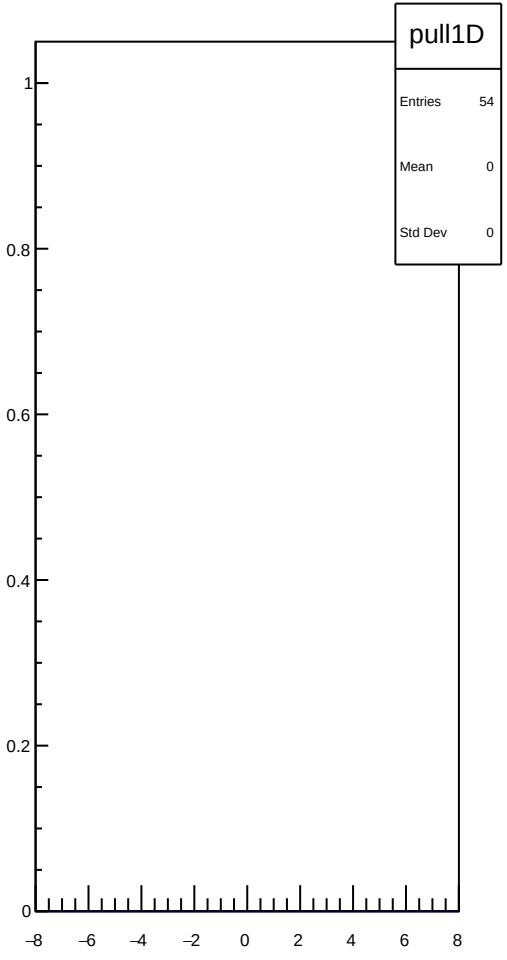

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 53.03 / 53
p0 0.001485 ± 0.0007446
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 258
Std Dev 0
2
1
0
−1
−2

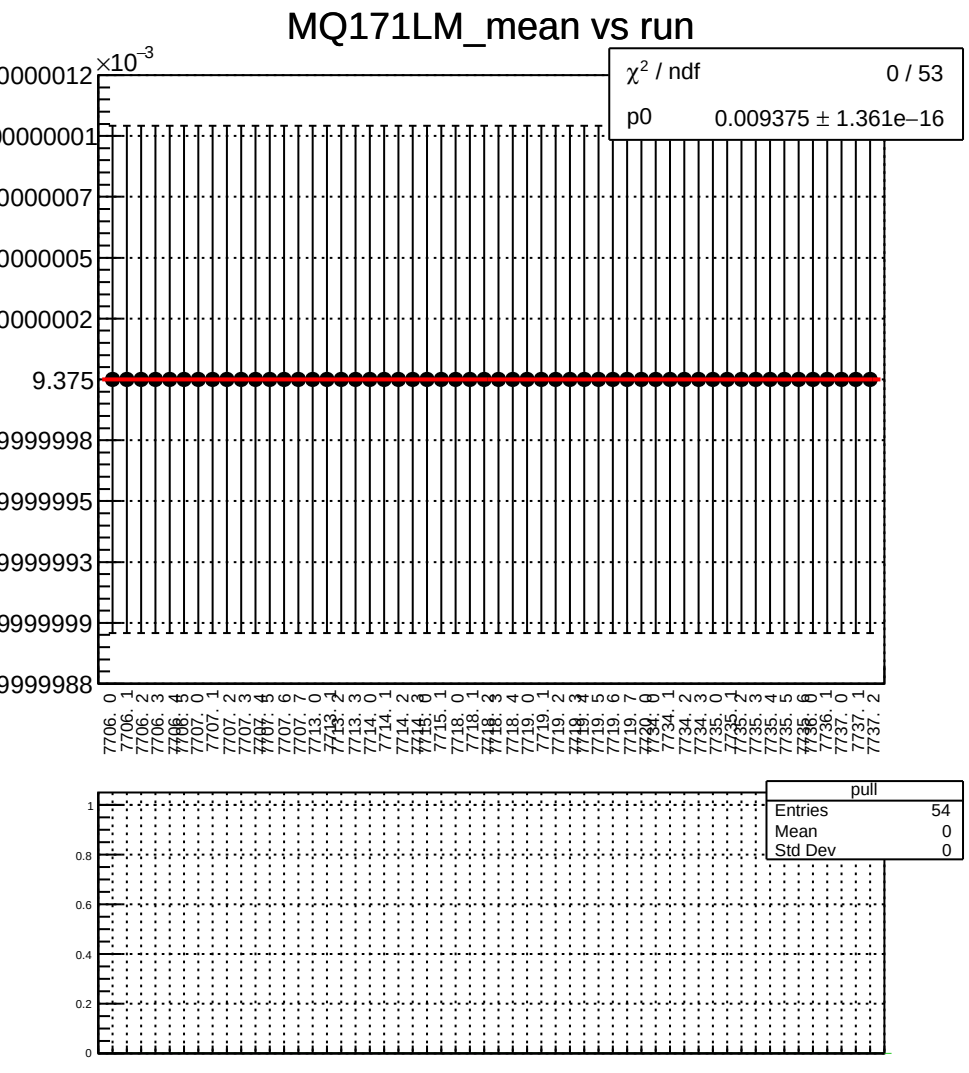

pull1D
Entries 54
Mean 0.00557
Std Dev 0.991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

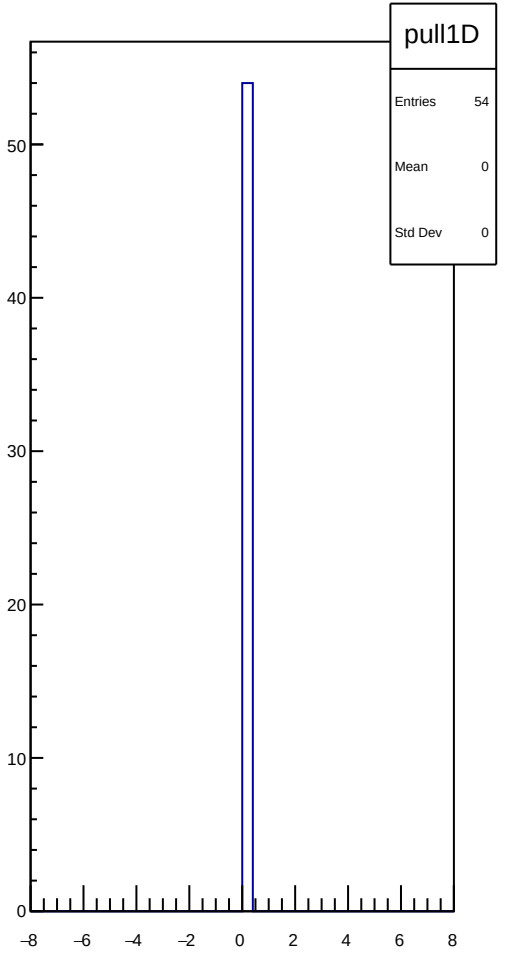

HALLA_p_mean vs run
χ² / ndf 1.037e+27 / 53
p0 2176 ± 1.361e−16
2175.952
2175.95
2175.948
2175.946
2175.944
2175.942
2175.94
2175.938
2175.936
2175.934
pull
Entries 54
Mean 1.299e+08
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000

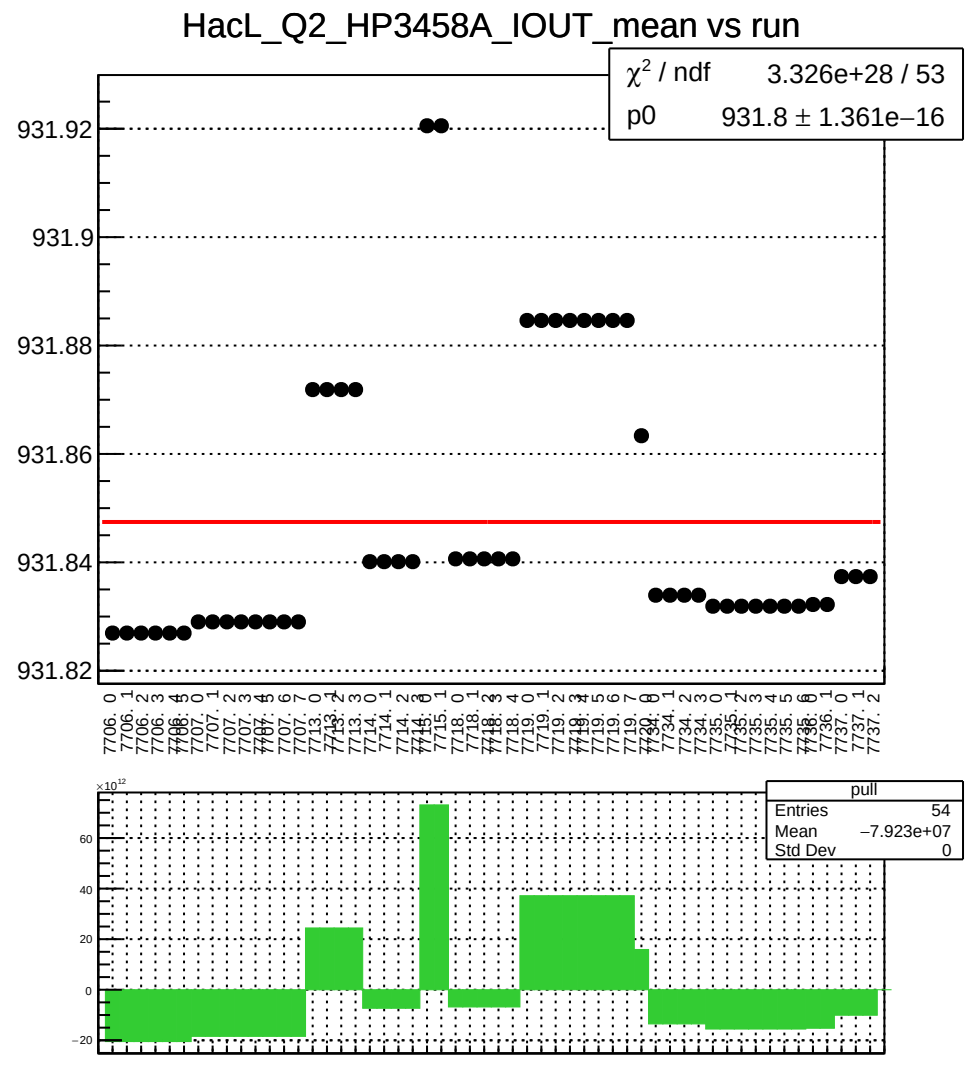

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

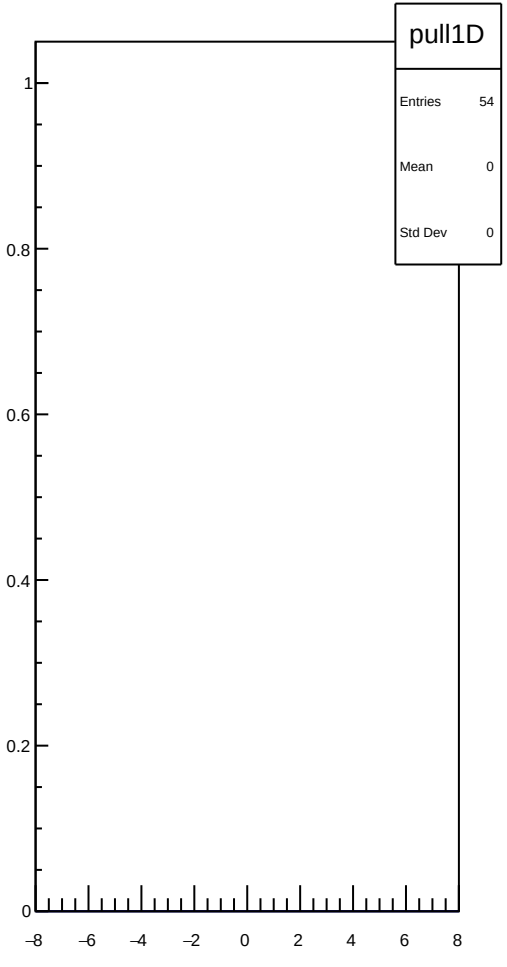

HALLA_dpp_mean vs run
χ² / ndf 8.101e+22 / 53
p0 −1.66e−05 ± 1.361e−16
pull
Entries 54
Mean −1.542e+08
Std Dev 0

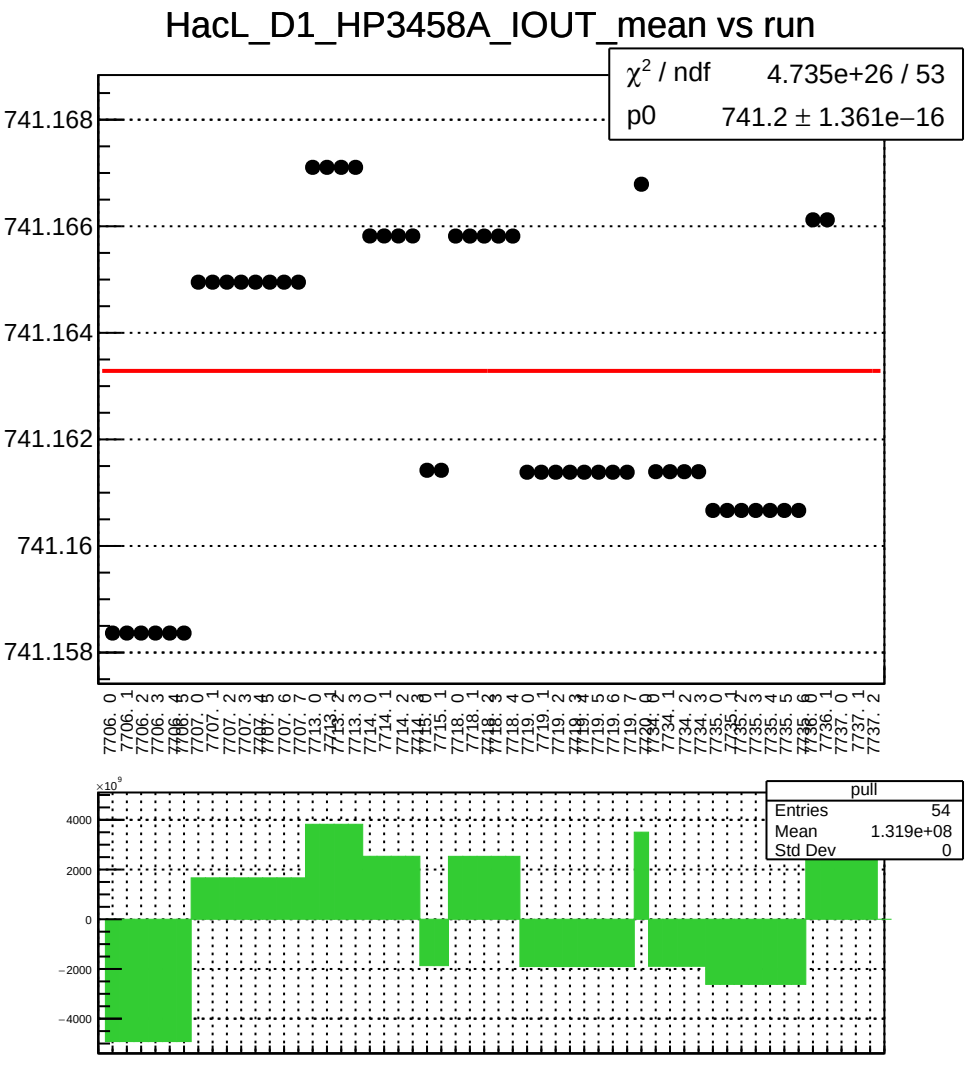

pull1D
Entries 54
Mean 0
Std Dev 0

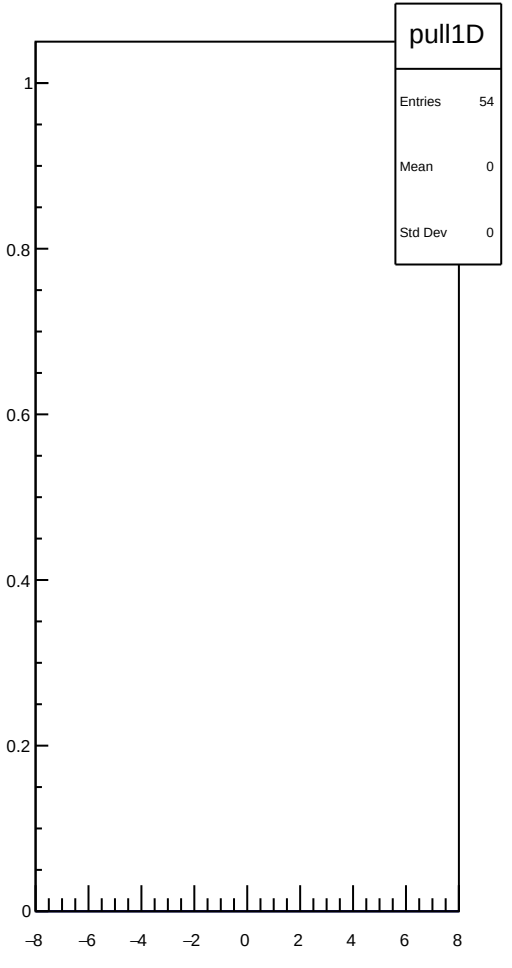

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

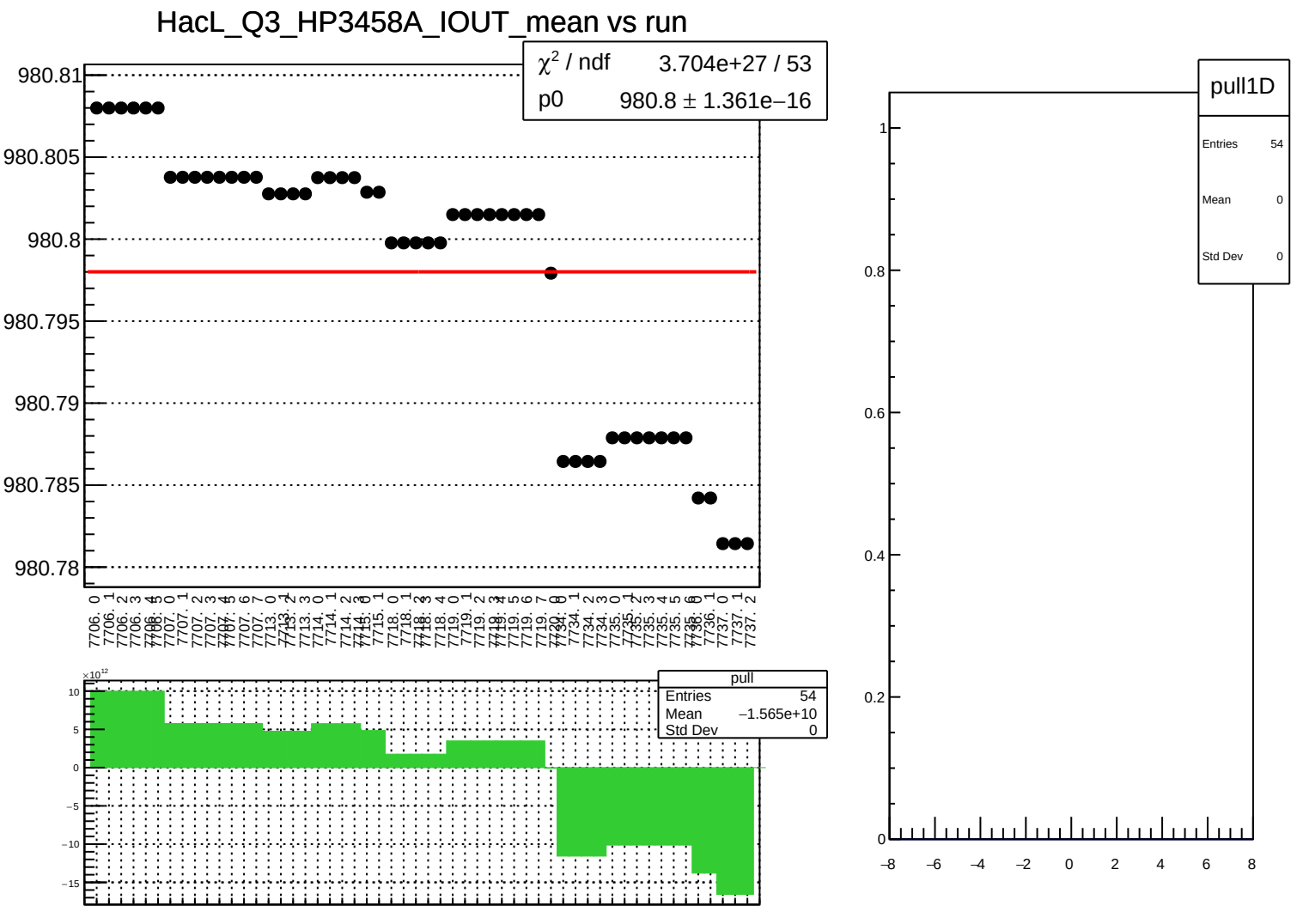

pull1D
Entries 54
Mean 0
Std Dev 0

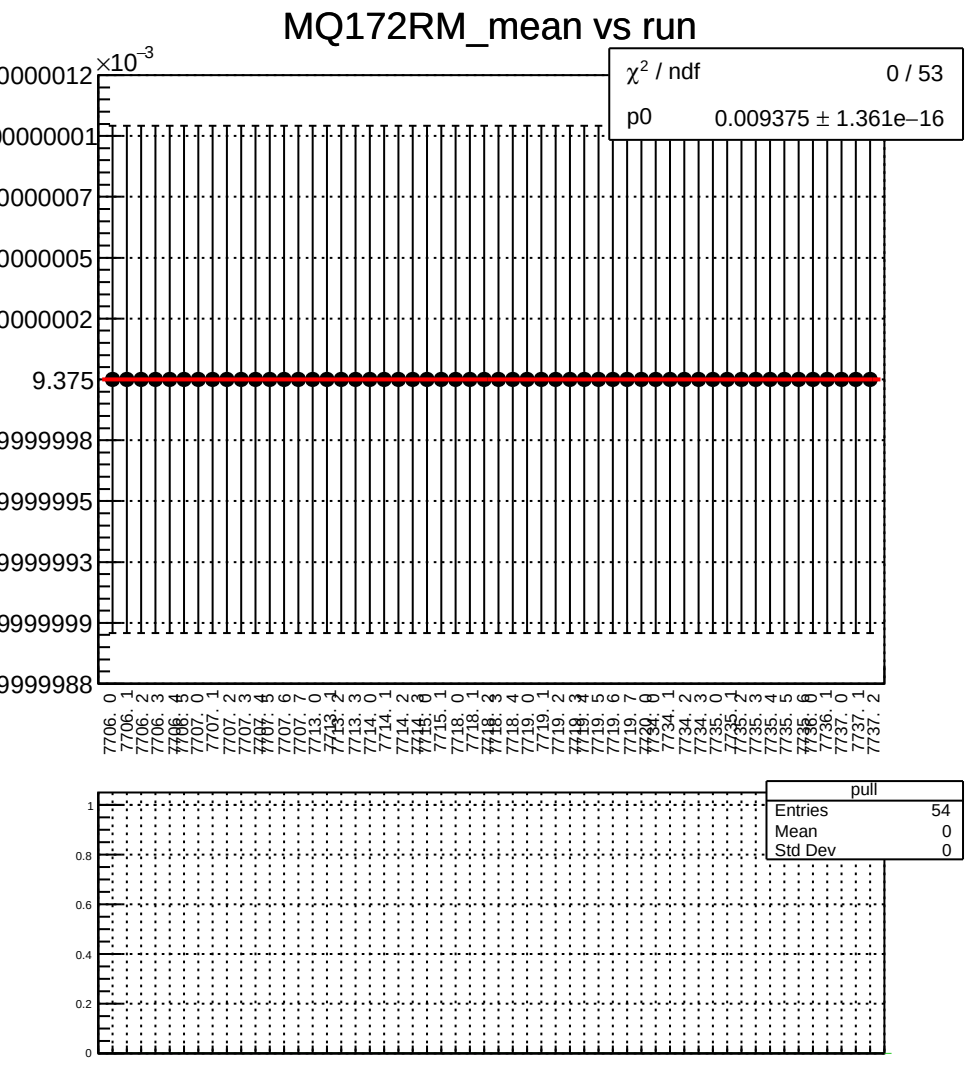

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 3.326e+28 / 53
p0 931.8 ± 1.361e−16
931.92
931.9
931.88
931.86
931.84
931.82
pull
Entries 54
Mean −7.923e+07
Std Dev 0
×10¹²
60
40
20
0
−20

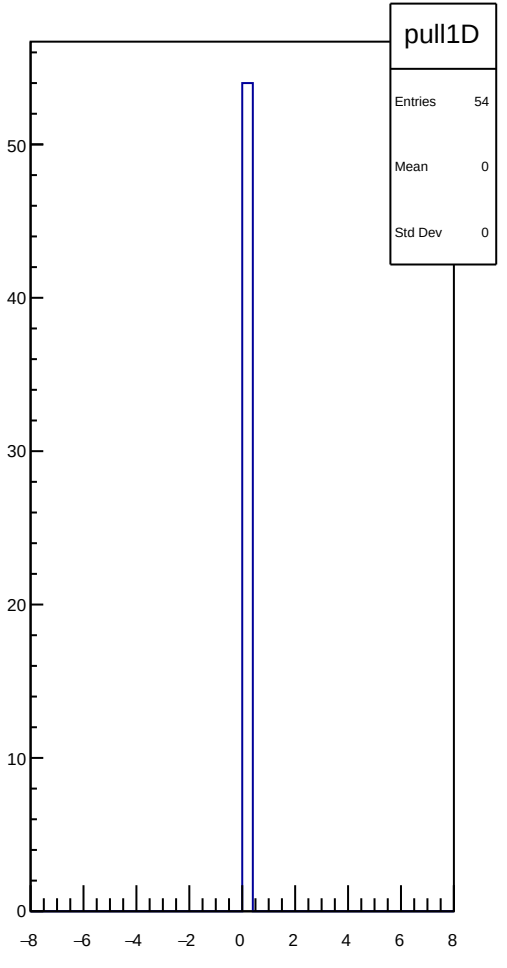

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

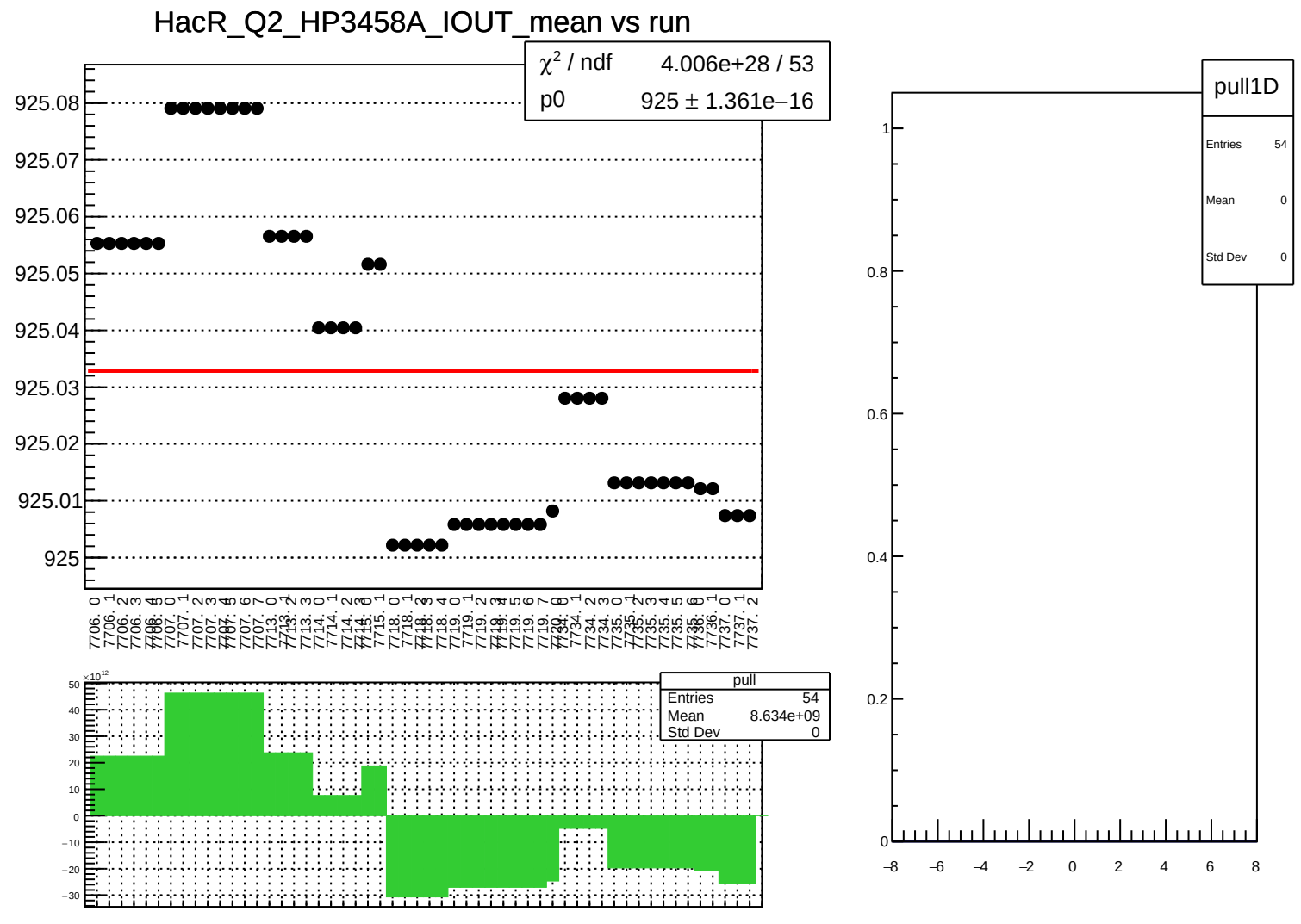

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 4.735e+26 / 53
p0 741.2 ± 1.361e−16
741.168
741.166
741.164
741.162
741.16
741.158
pull
Entries 54
Mean 1.319e+08
Std Dev 0
×10⁹
4000
2000
0
−2000
−4000

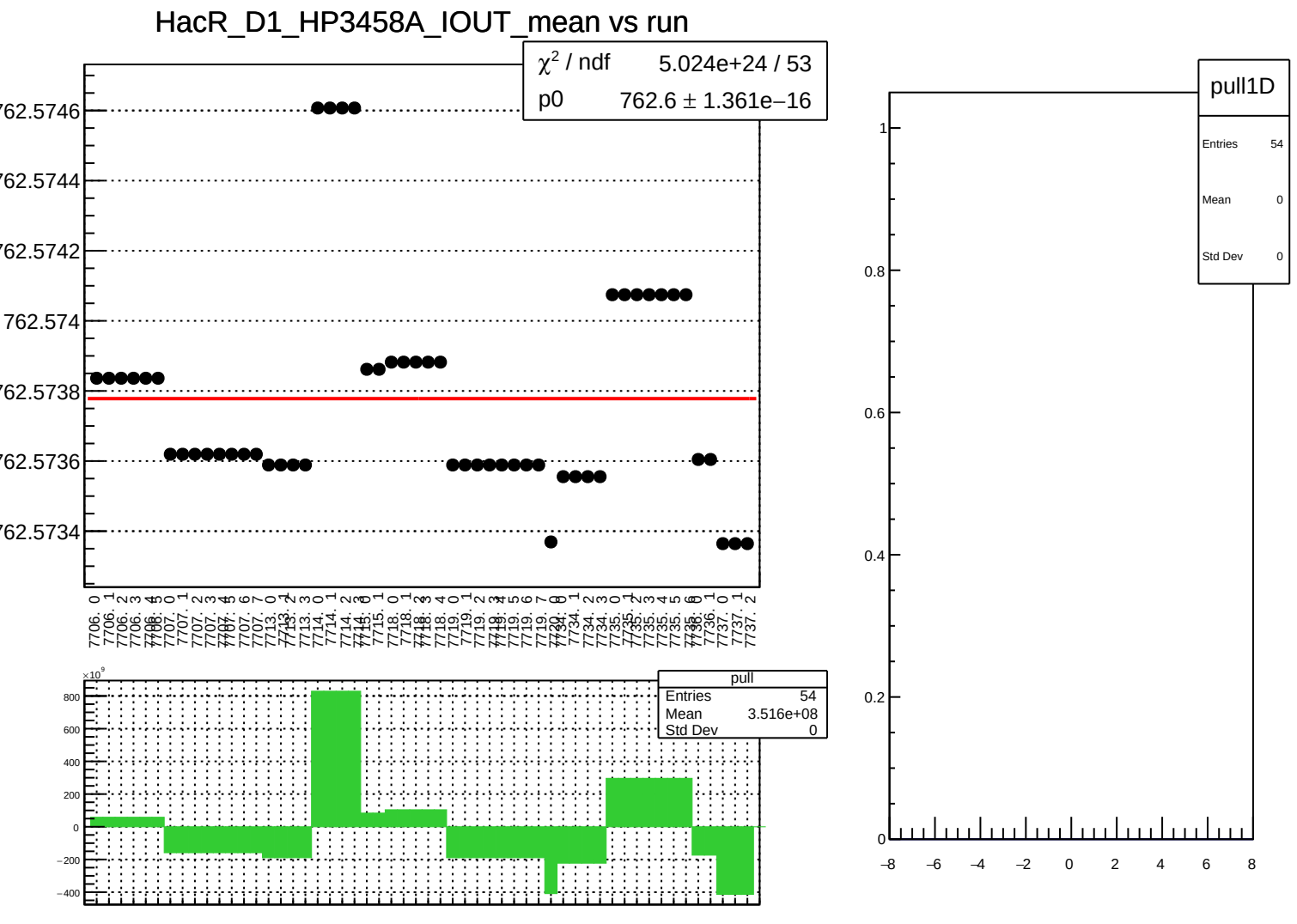

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

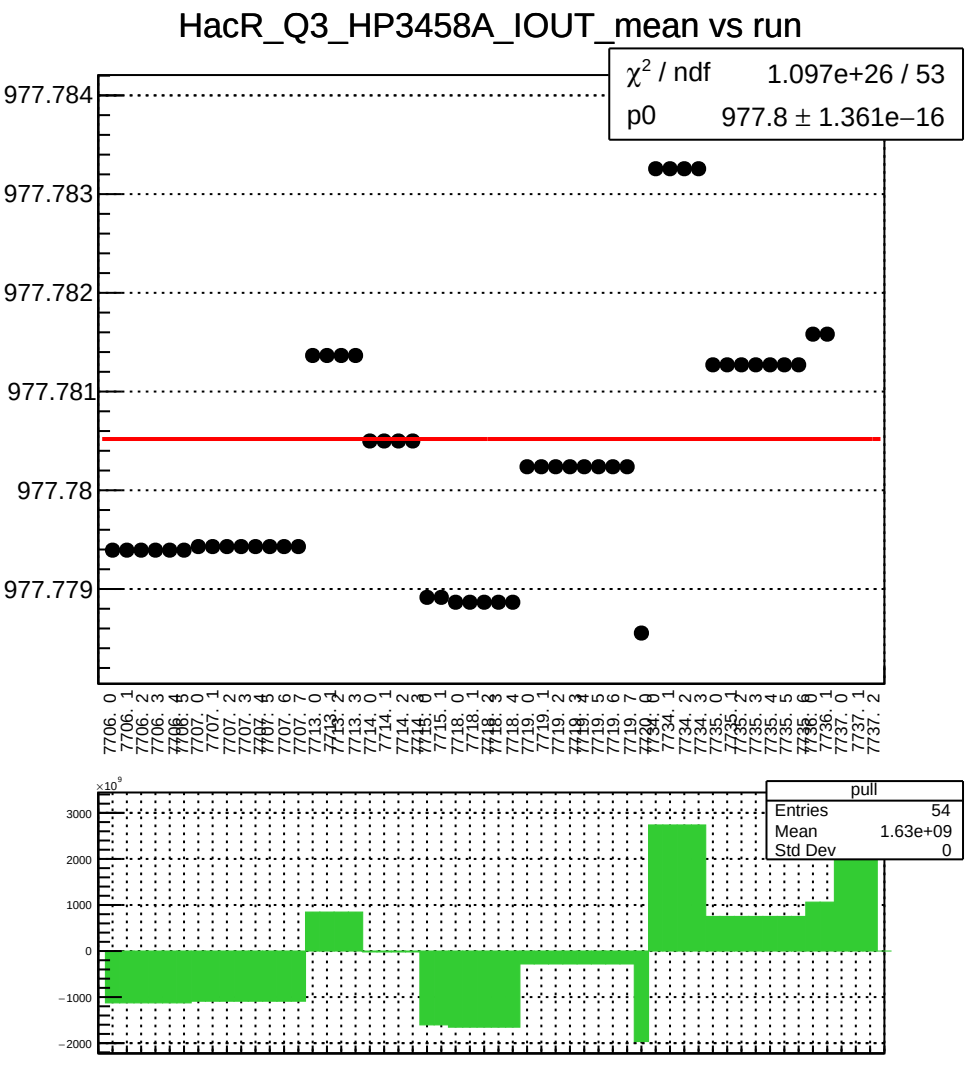

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.704e+27 / 53
p0 980.8 ± 1.361e−16
980.81
980.805
980.8
980.795
980.79
980.785
980.78
pull
Entries 54
Mean −1.565e+10
Std Dev 0
×10¹²
10
5
0
−5
−10
−15
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

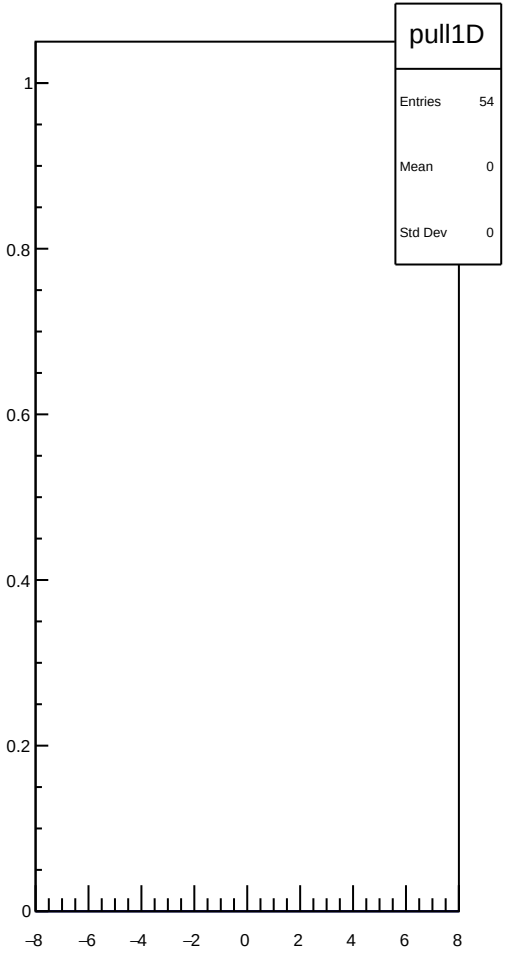

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

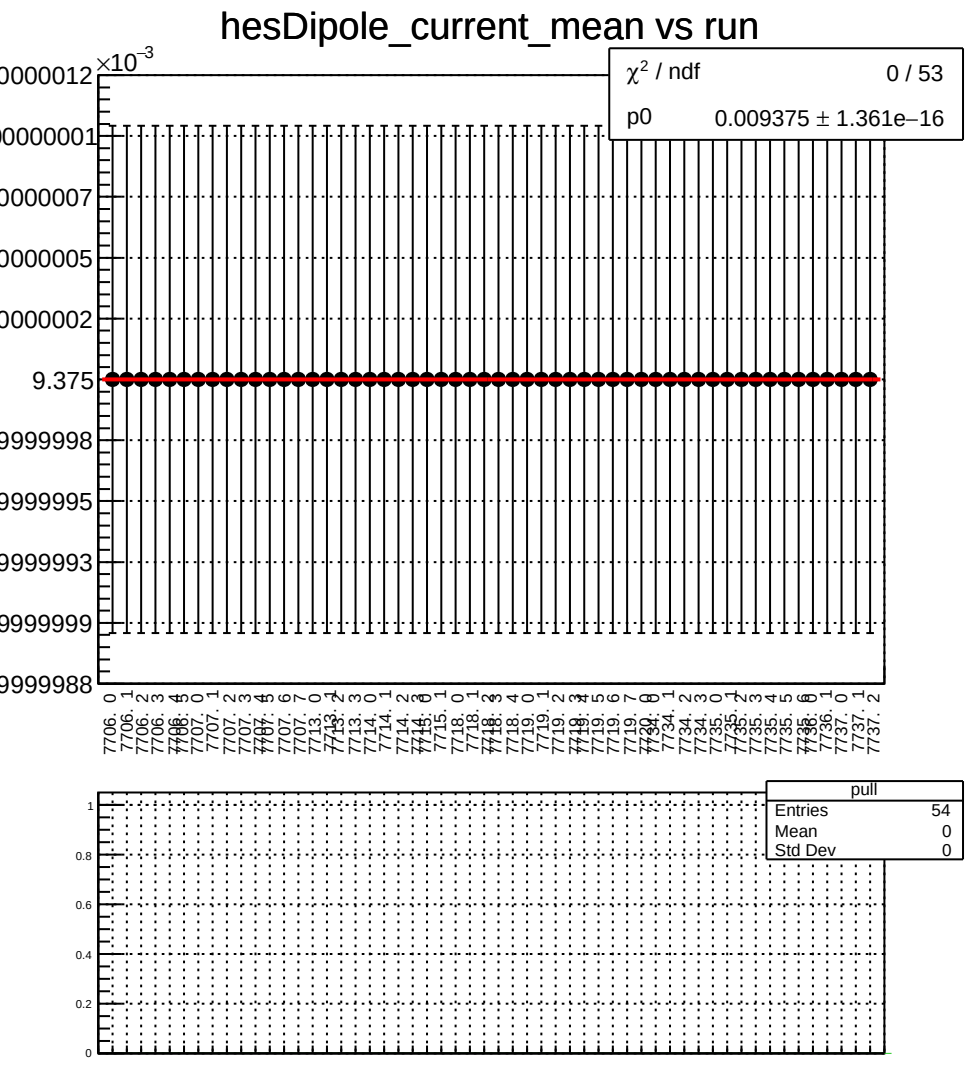

pull1D
Entries 54
Mean 0
Std Dev 0

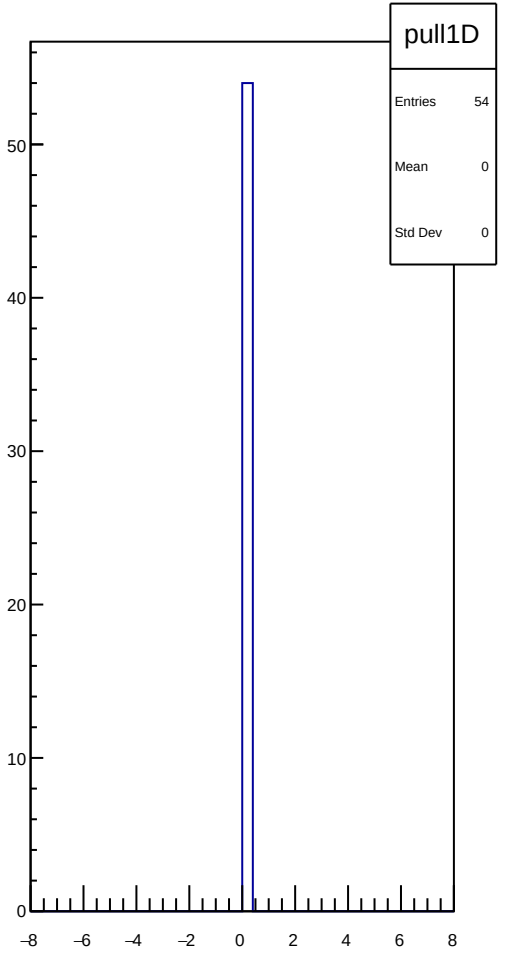

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 4.006e+28 / 53
p0 925 ± 1.361e−16
925.08
925.07
925.06
925.05
925.04
925.03
925.02
925.01
925
pull
Entries 54
Mean 8.634e+09
Std Dev 0
×10¹²
50
40
30
20
10
0
−10
−20
−30
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

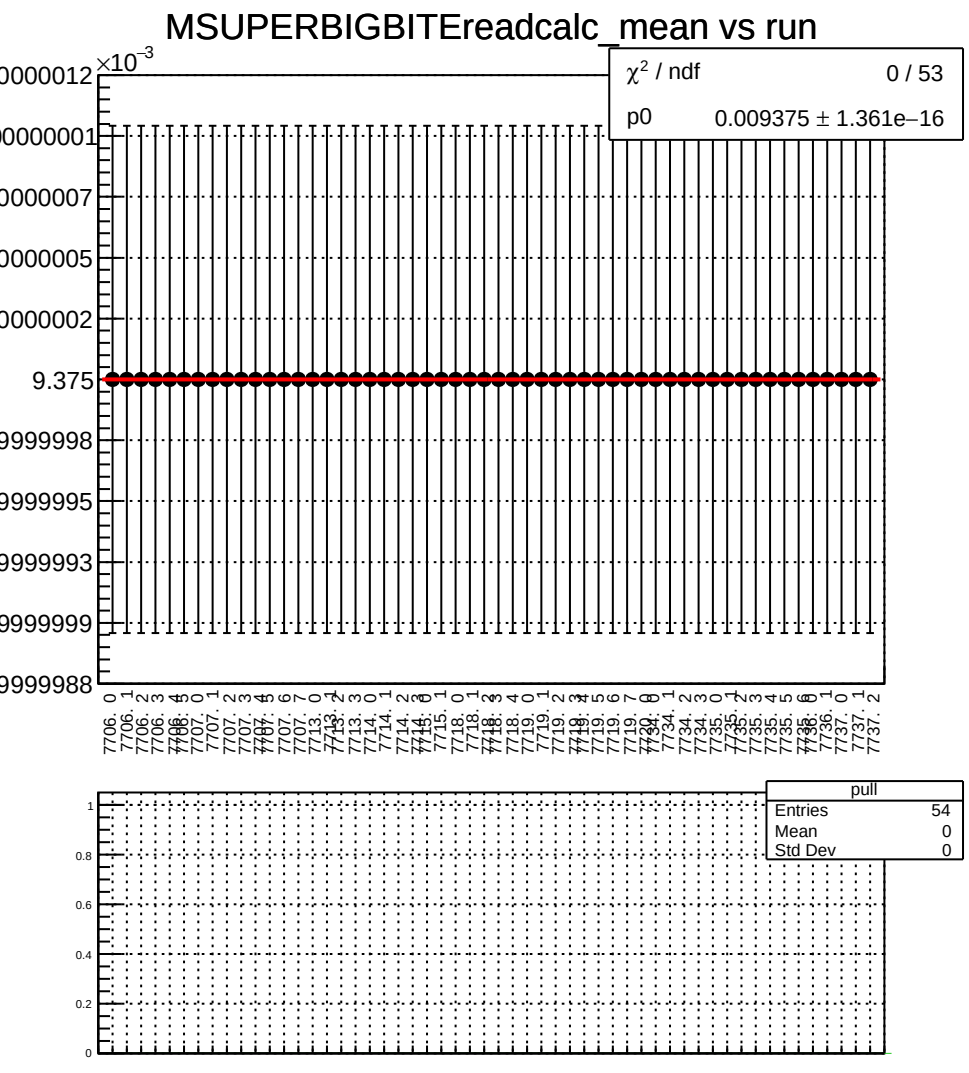

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.024e+24 / 53
p0 762.6 ± 1.361e−16
762.5746
762.5744
762.5742
762.574
762.5738
762.5736
762.5734
pull
Entries 54
Mean 3.516e+08
Std Dev 0
×10⁹
800
600
400
200
0
−200
−400
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

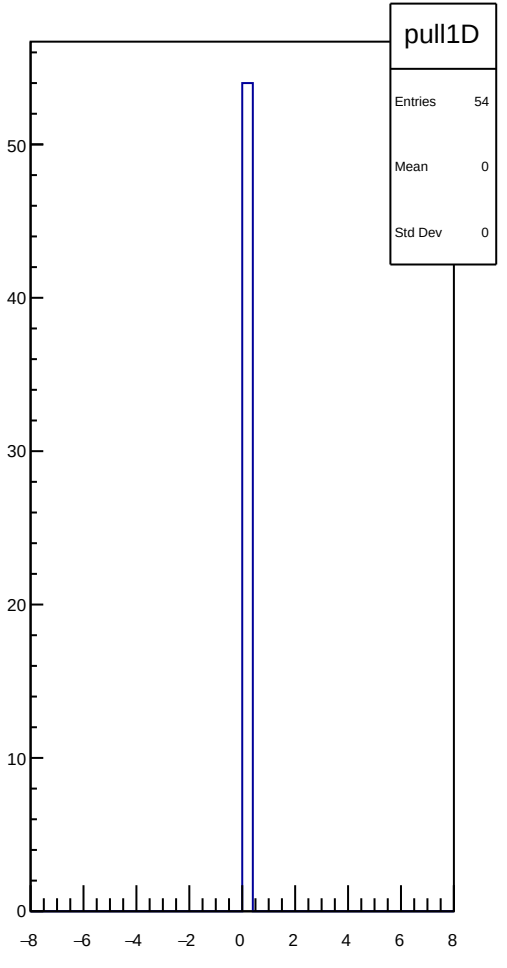

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.097e+26 / 53
p0 977.8 ± 1.361e−16
977.784
977.783
977.782
977.781
977.78
977.779
pull
Entries 54
Mean 1.63e+09
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000

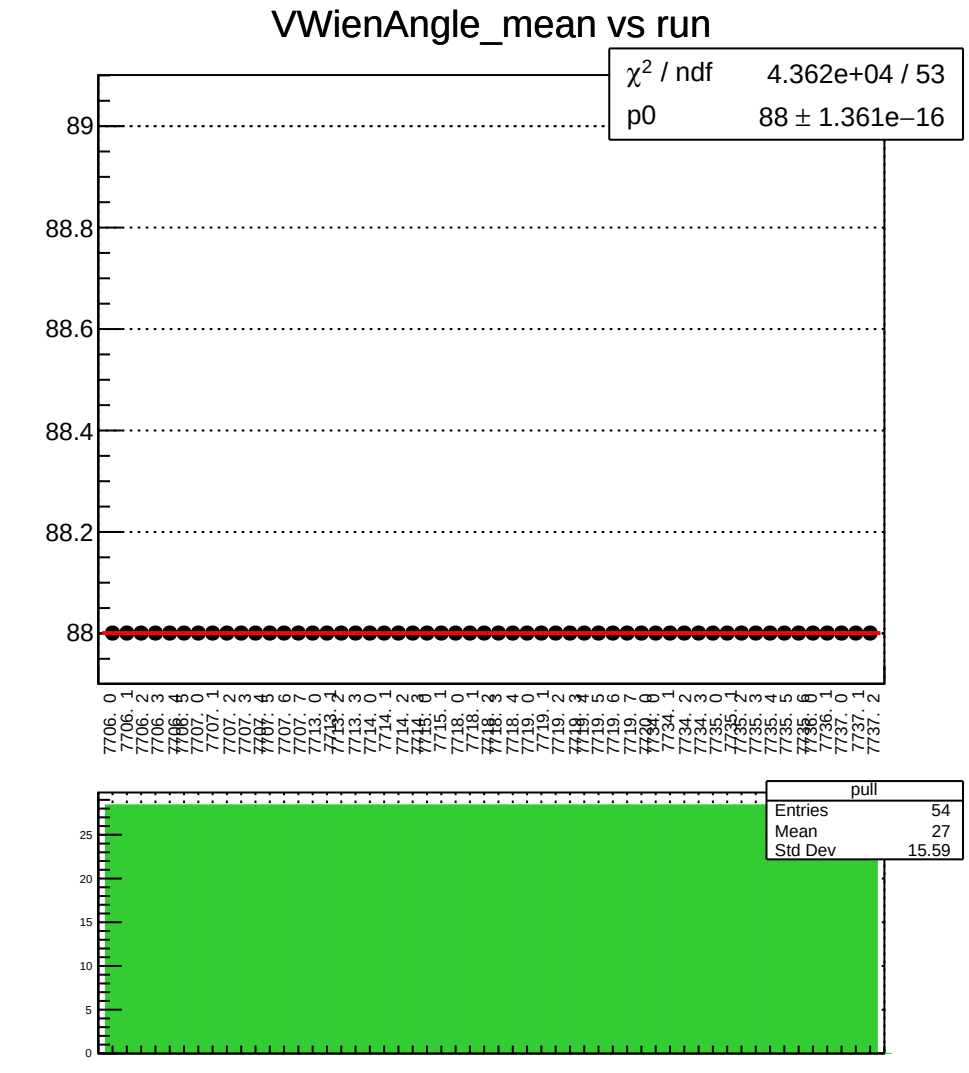

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

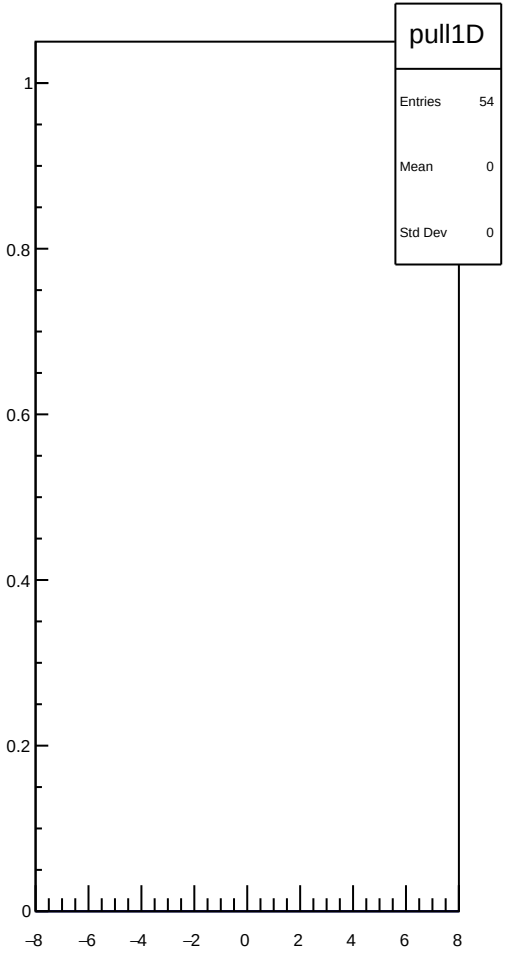

hesDipole_current_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

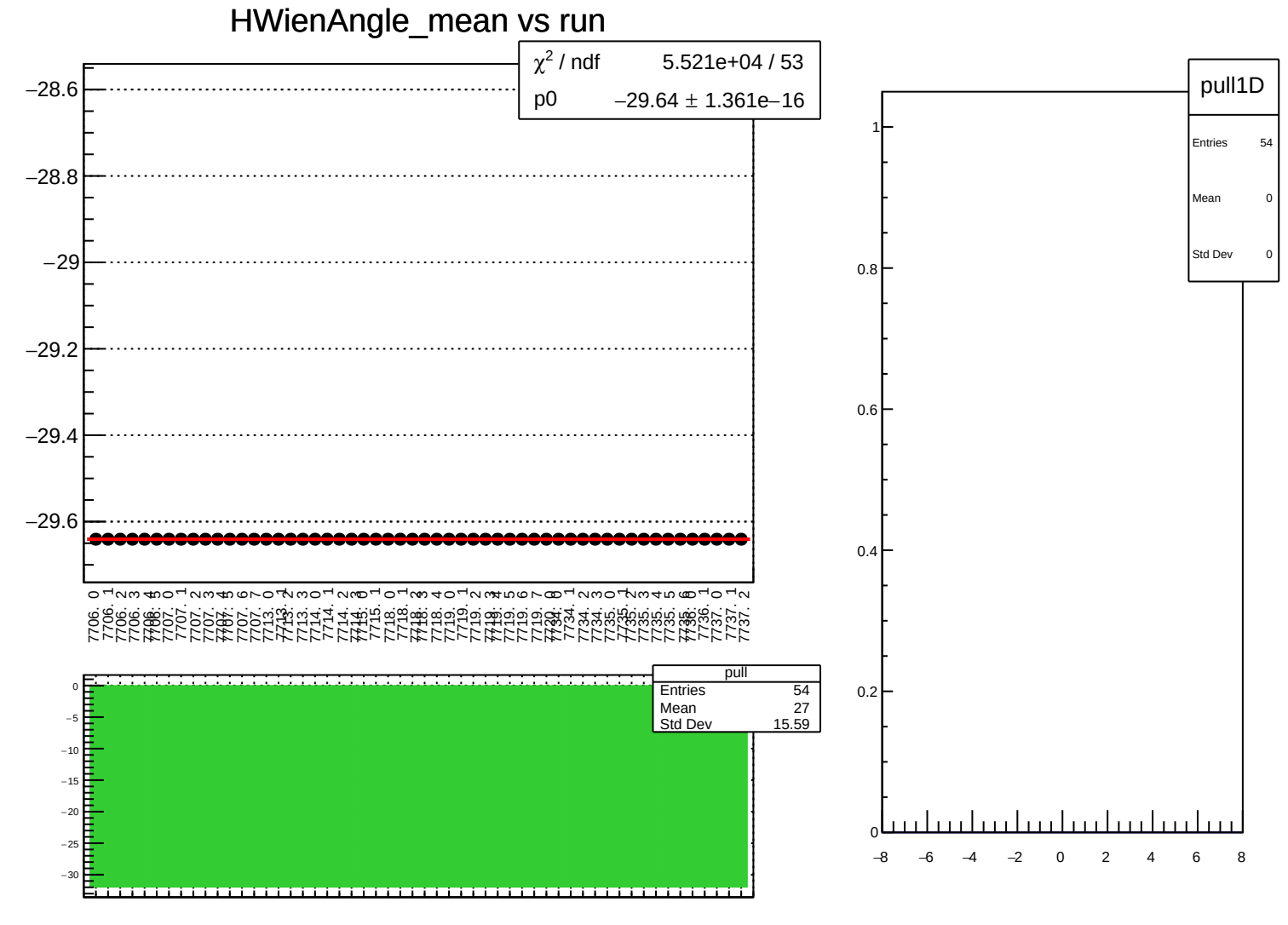

pull1D
Entries 54
Mean 0
Std Dev 0

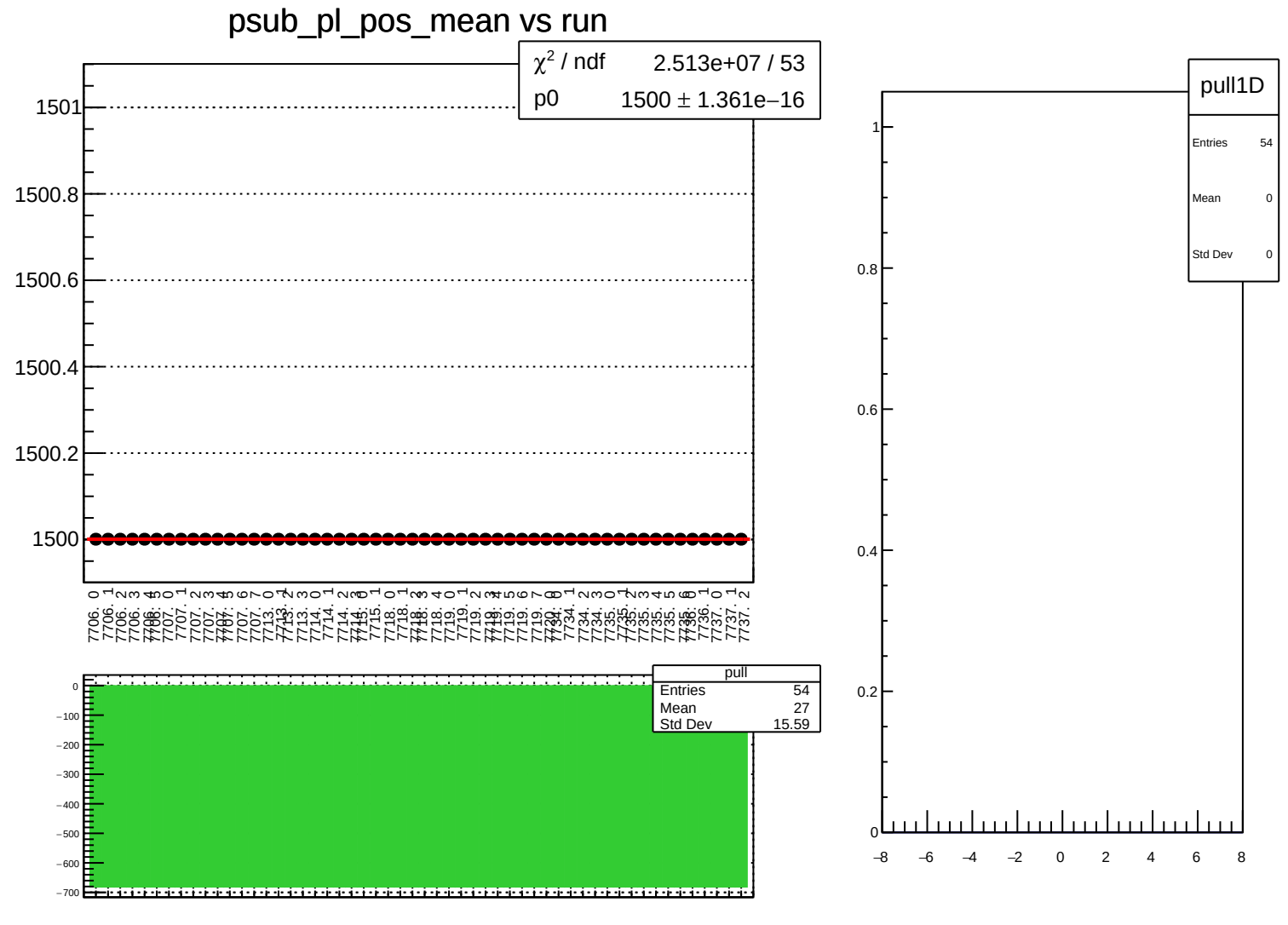

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

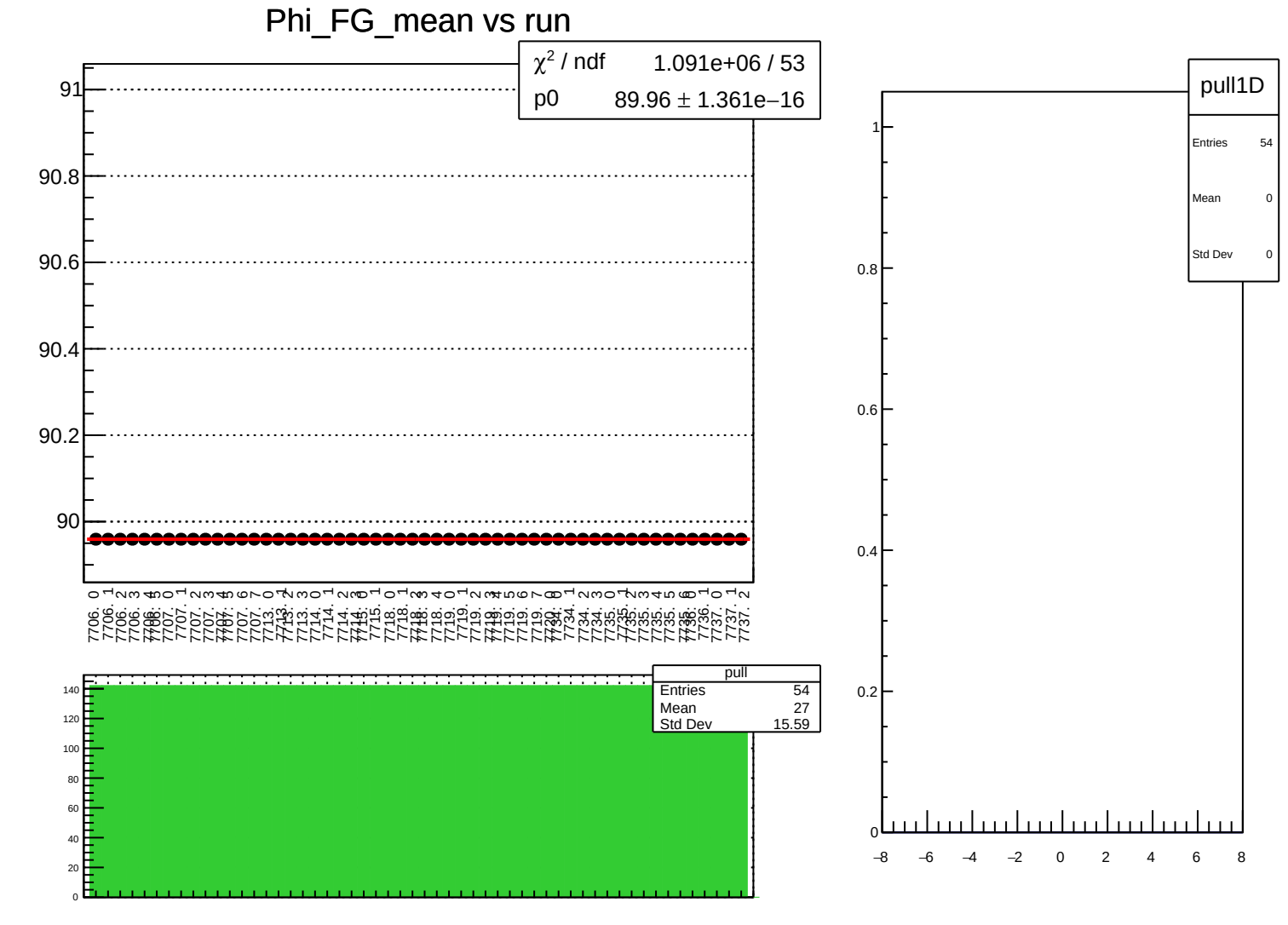

pull1D
Entries 54
Mean 0
Std Dev 0

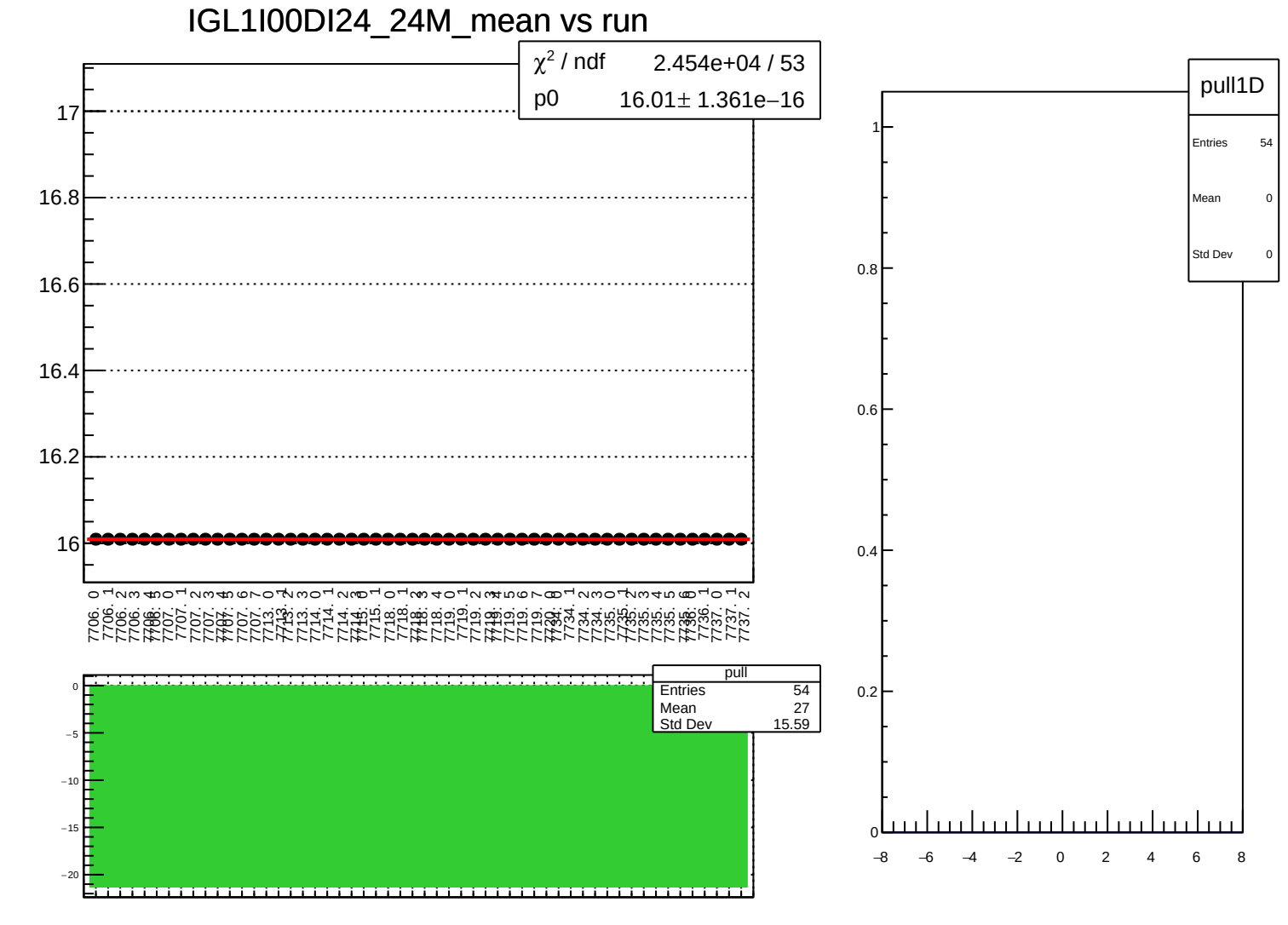

VWienAngle_mean vs run
χ² / ndf 4.362e+04 / 53
p0 88 ± 1.361e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 54
Mean 27
Std Dev 15.59
25
20
15
10
5
0

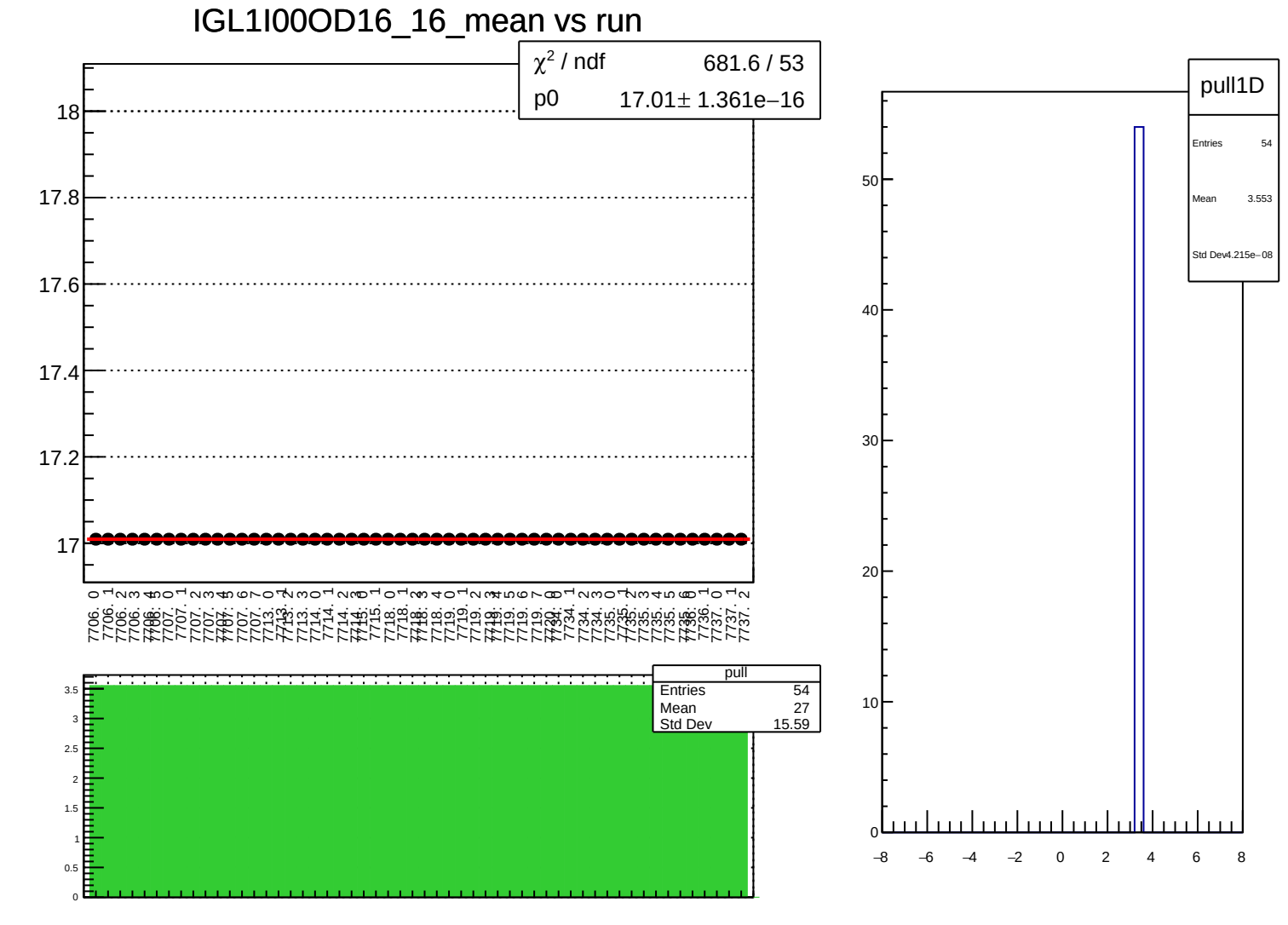

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

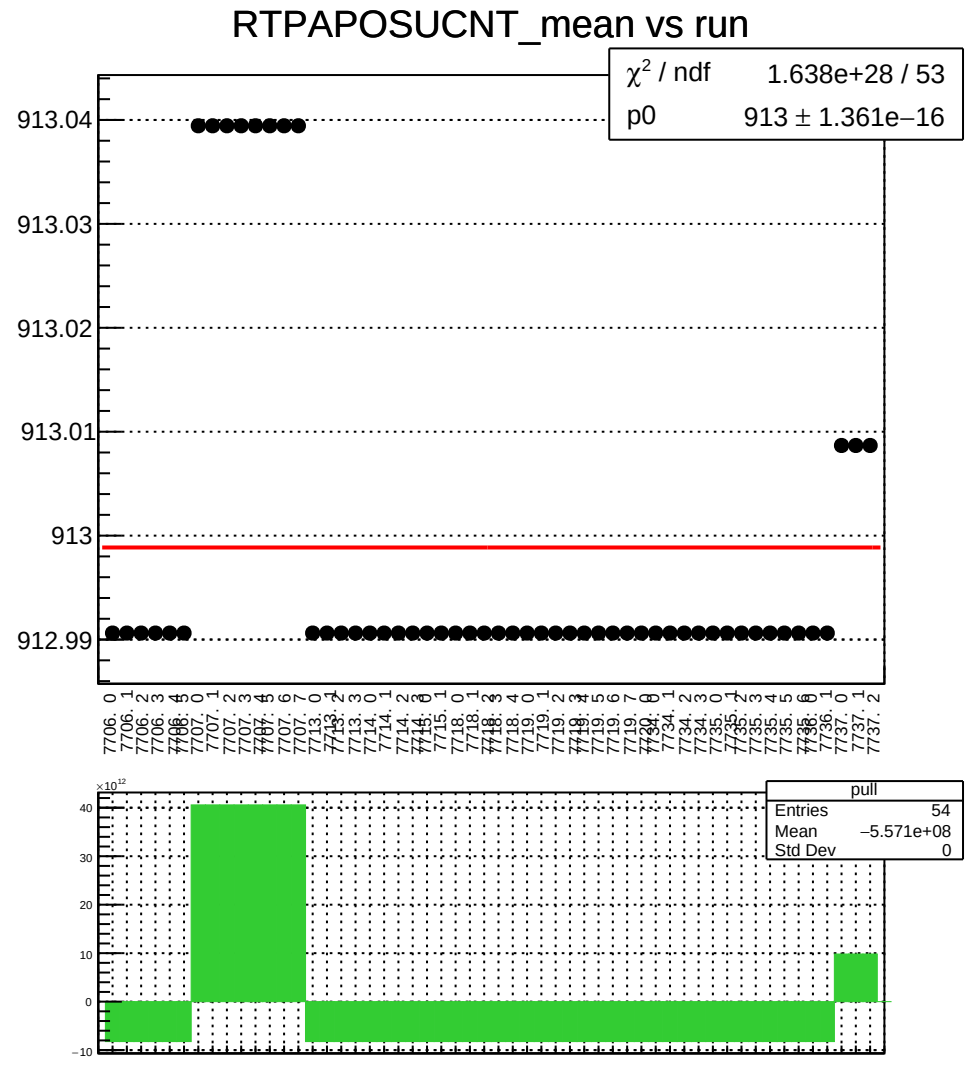

HWienAngle_mean vs run
χ² / ndf 5.521e+04 / 53
p0 −29.64 ± 1.361e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 54
Mean 27
Std Dev 15.59
pull1D
Entries 54
Mean 0
Std Dev 0

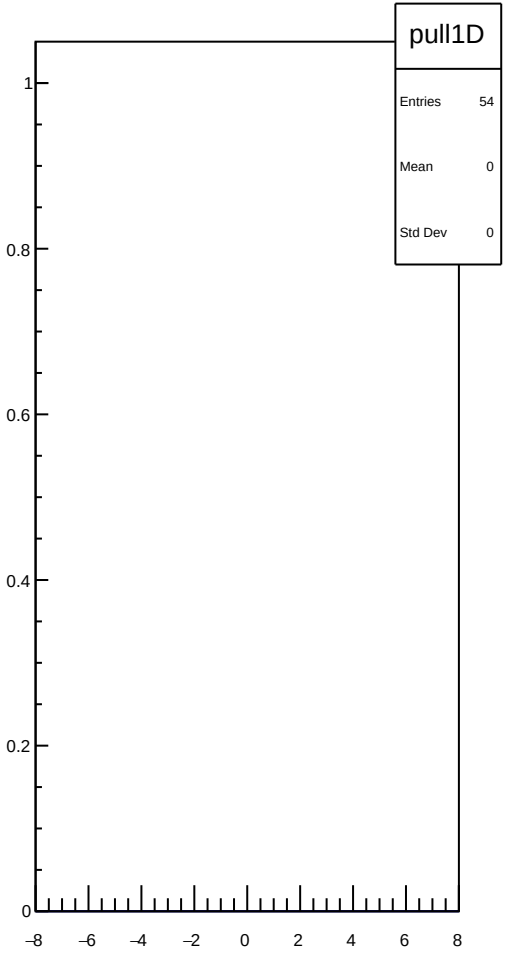

psub_pl_pos_mean vs run
χ² / ndf 2.513e+07 / 53
p0 1500 ± 1.361e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 54
Mean 27
Std Dev 15.59
0
−100
−200
−300
−400
−500
−600
−700
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

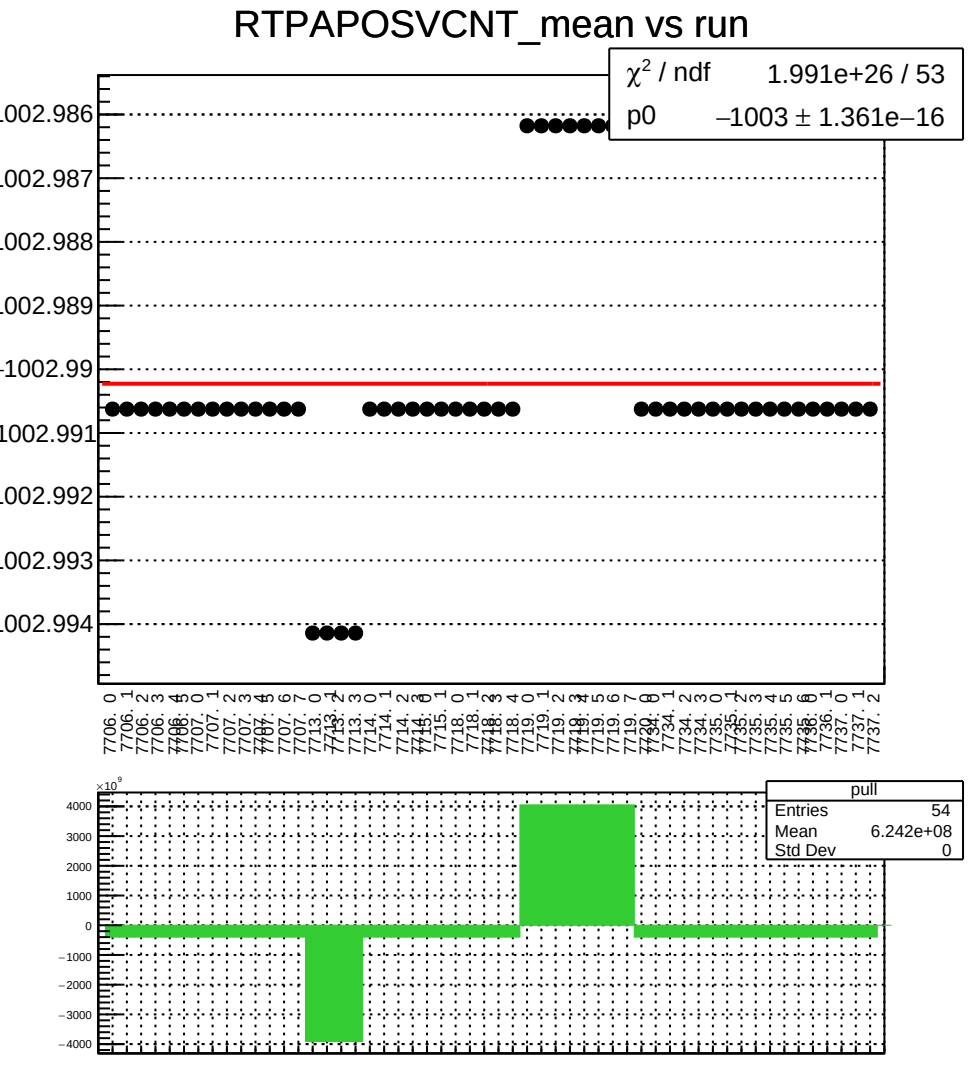

Phi_FG_mean vs run
χ² / ndf 1.091e+06 / 53
p0 89.96 ± 1.361e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 54
Mean 27
Std Dev 15.59
140
120
100
80
60
40
20
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

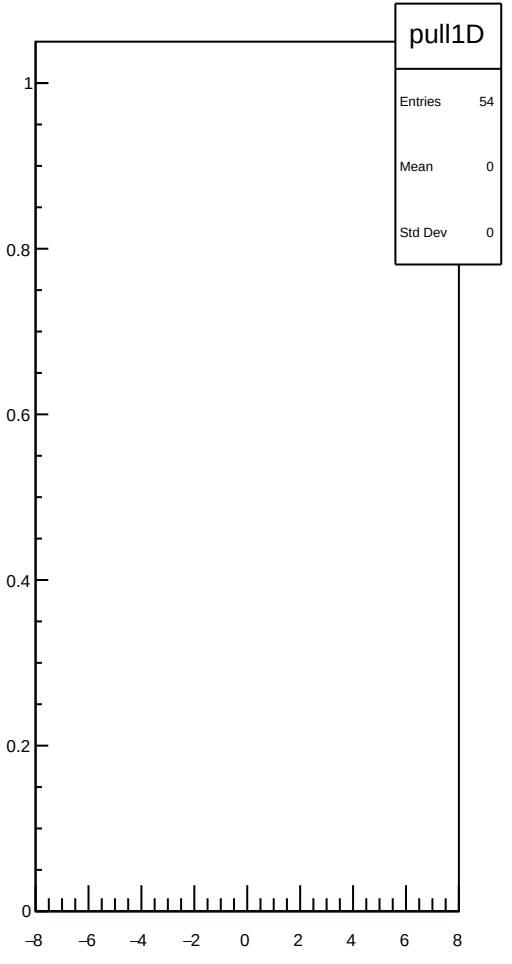

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.454e+04 / 53
p0 16.01± 1.361e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 54
Mean 27
Std Dev 15.59
0
−5
−10
−15
−20
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

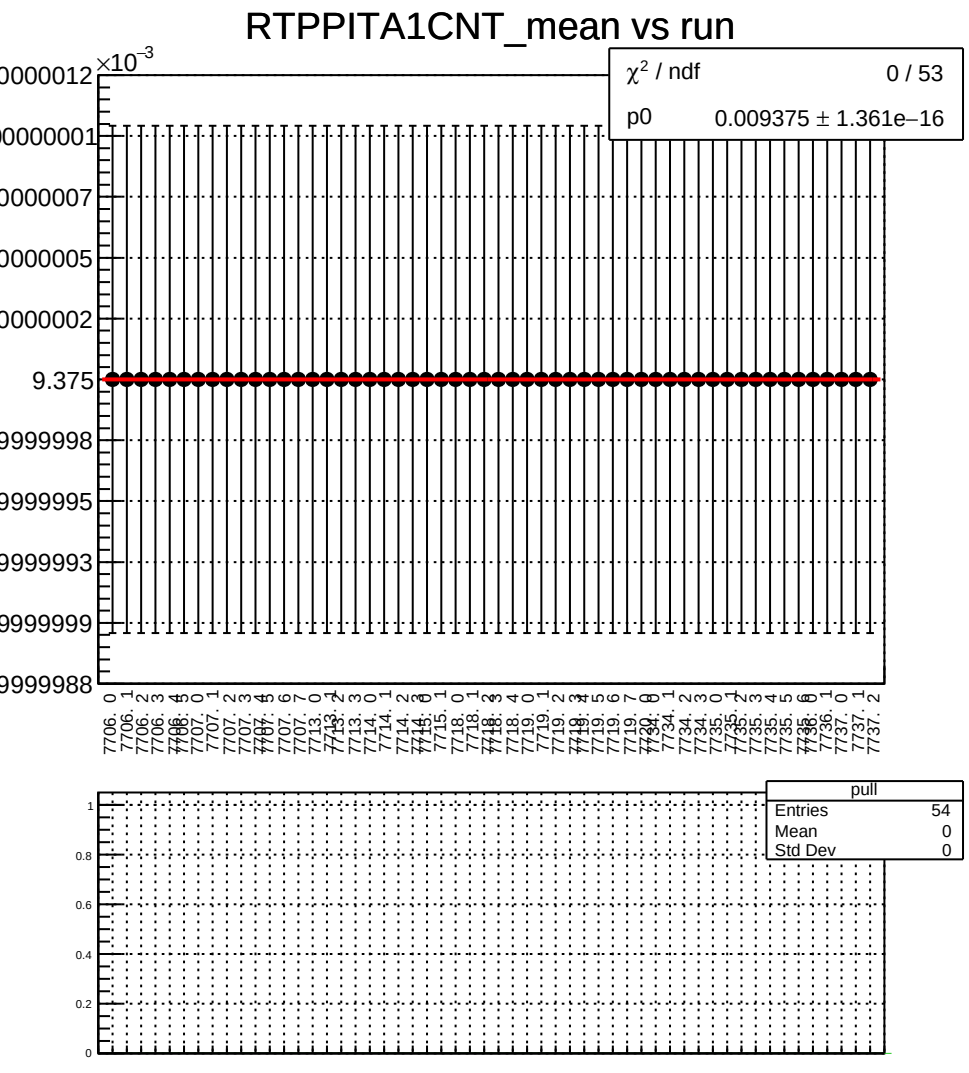

IGL1I00OD16_16_mean vs run
χ² / ndf 681.6 / 53
p0 17.01± 1.361e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 54
Mean 27
Std Dev 15.59
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 54
Mean 3.553
Std Dev4.215e−08
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

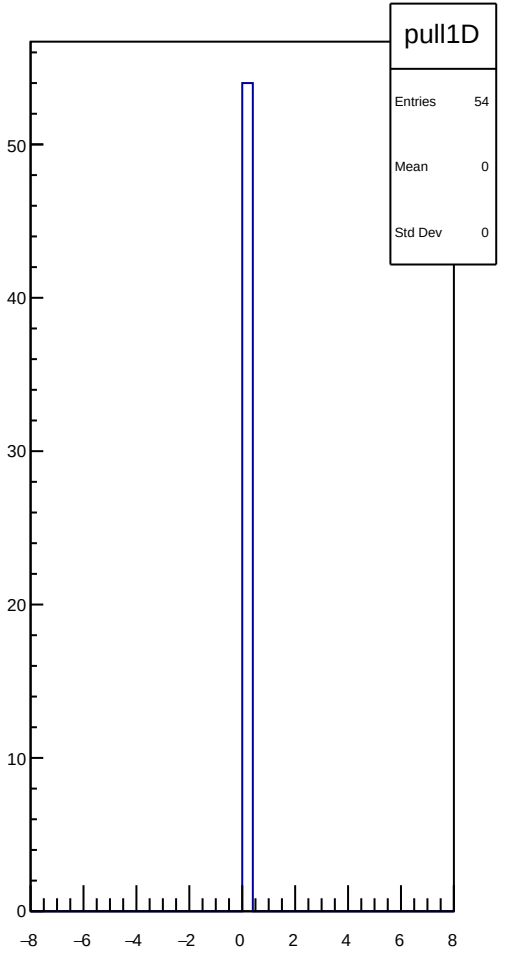

RTPAPOSUCNT_mean vs run
χ² / ndf 1.638e+28 / 53
p0 913 ± 1.361e−16
913.04
913.03
913.02
913.01
913
912.99
pull
Entries 54
Mean −5.571e+08
Std Dev 0
×10¹²
40
30
20
10
0
−10

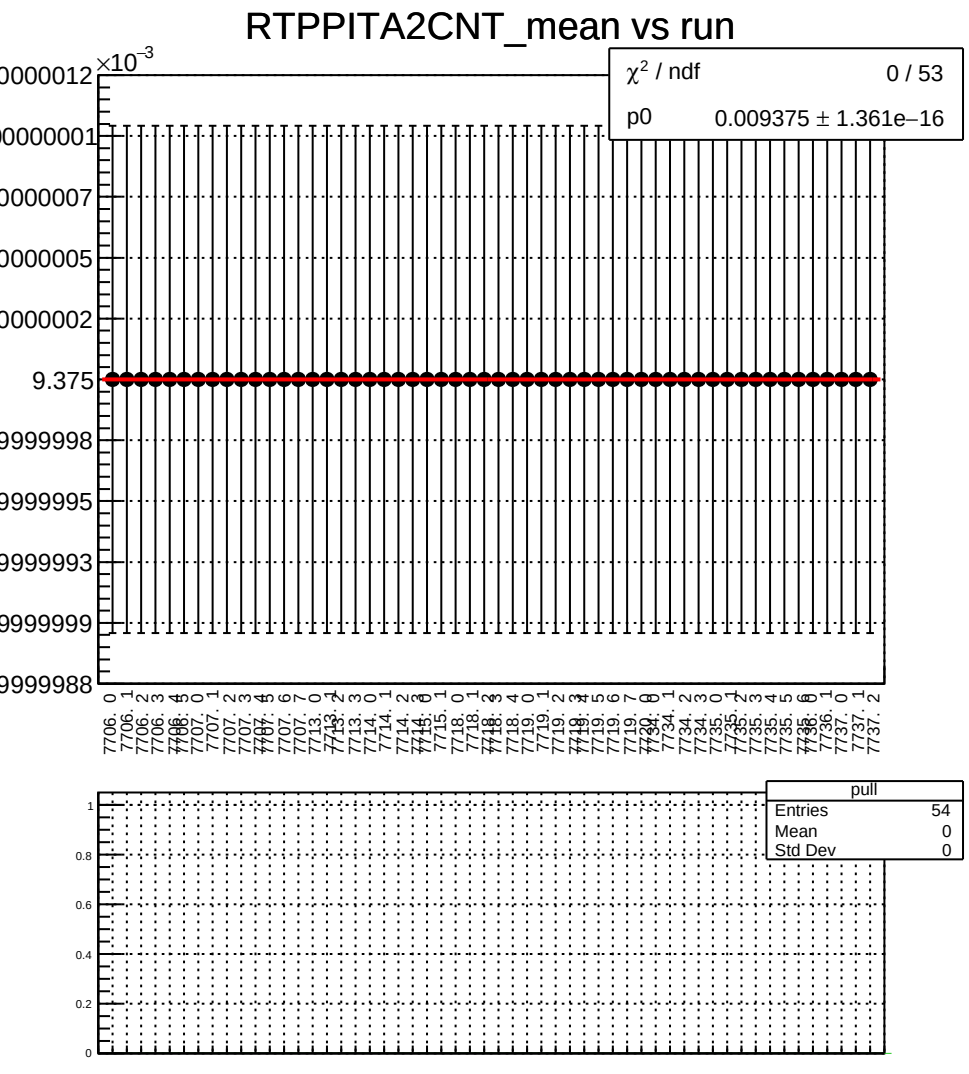

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

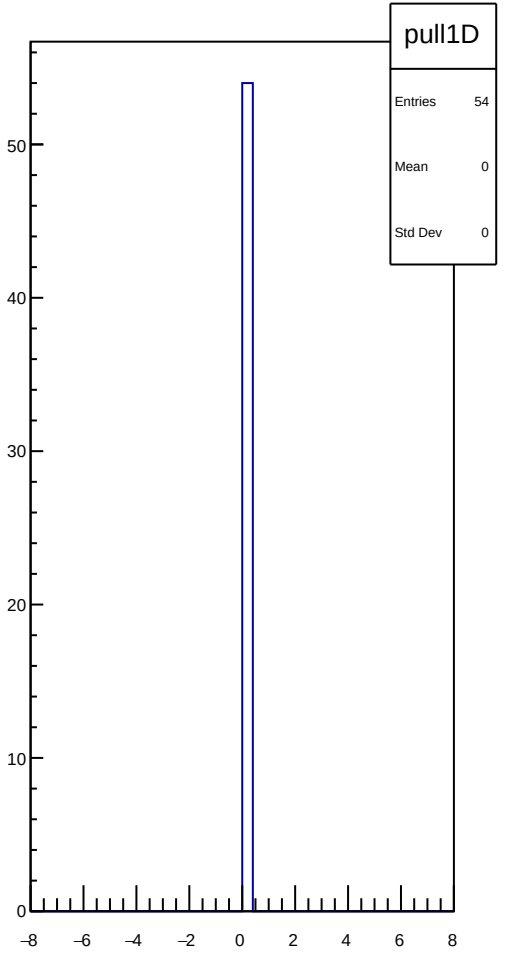

RTPAPOSVCNT_mean vs run
χ² / ndf 1.991e+26 / 53
p0 −1003 ± 1.361e−16
1002.986
1002.987
1002.988
1002.989
1002.99
1002.991
1002.992
1002.993
1002.994
pull
Entries 54
Mean 6.242e+08
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000


pull1D
Entries 54
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
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0